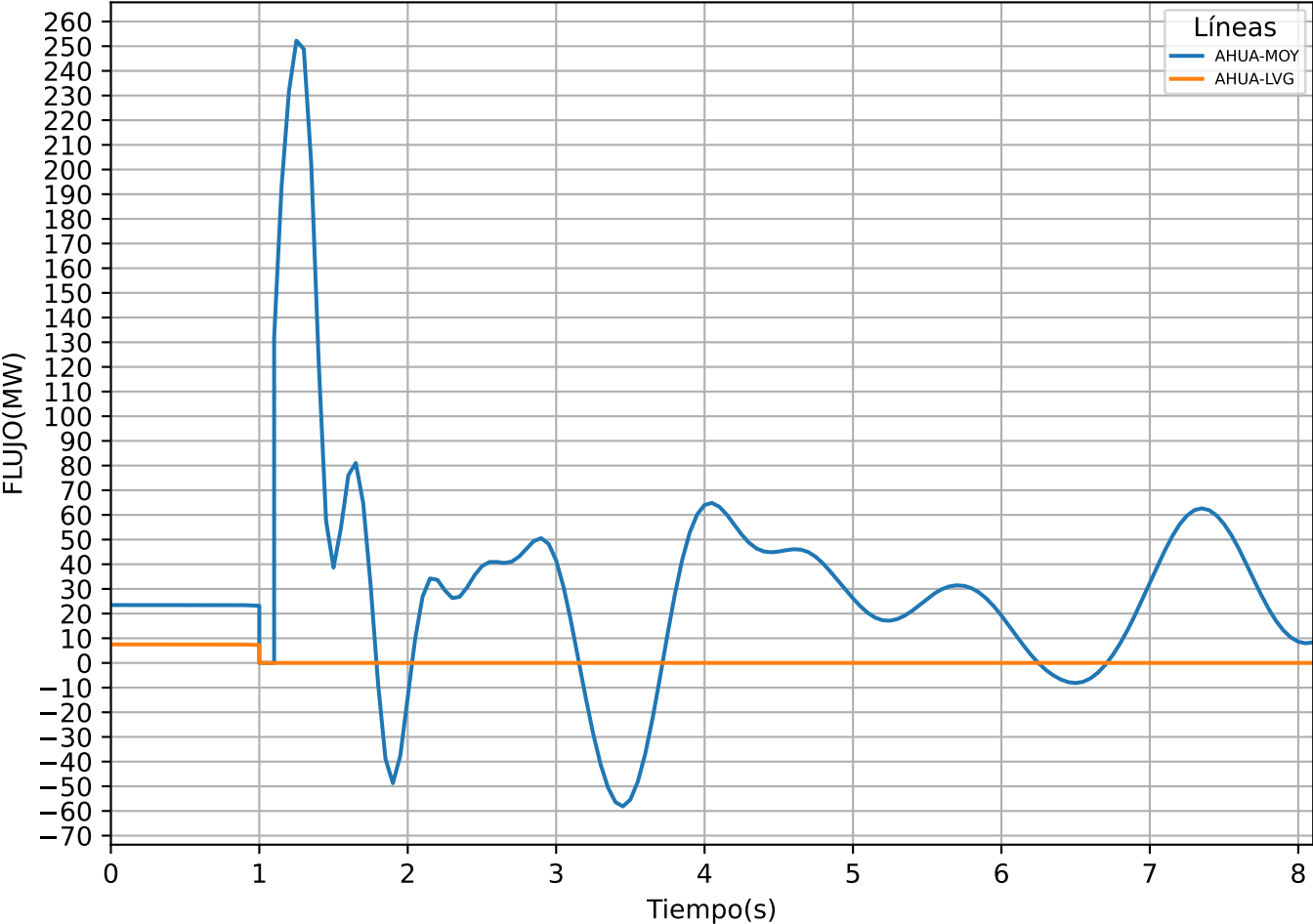
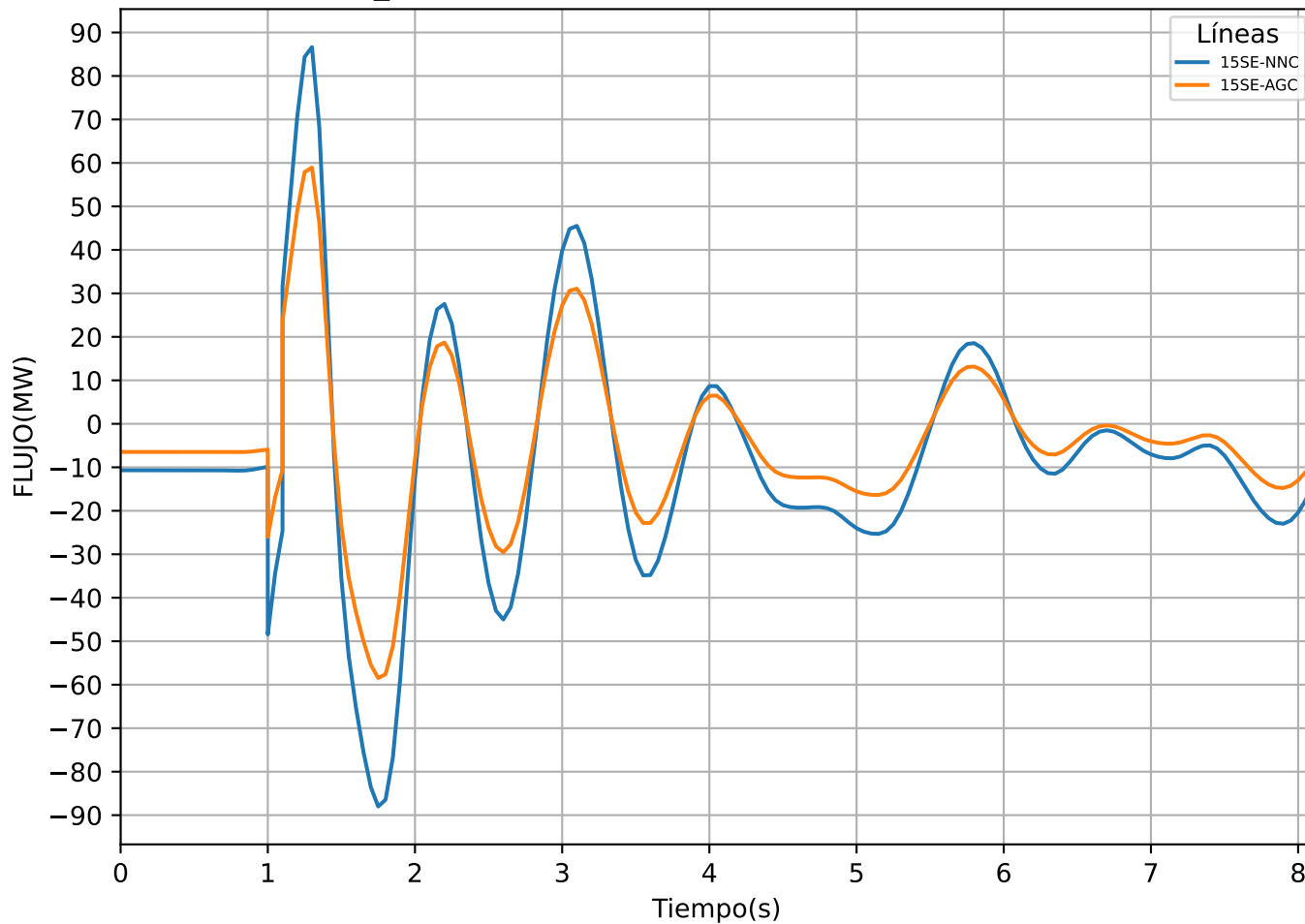


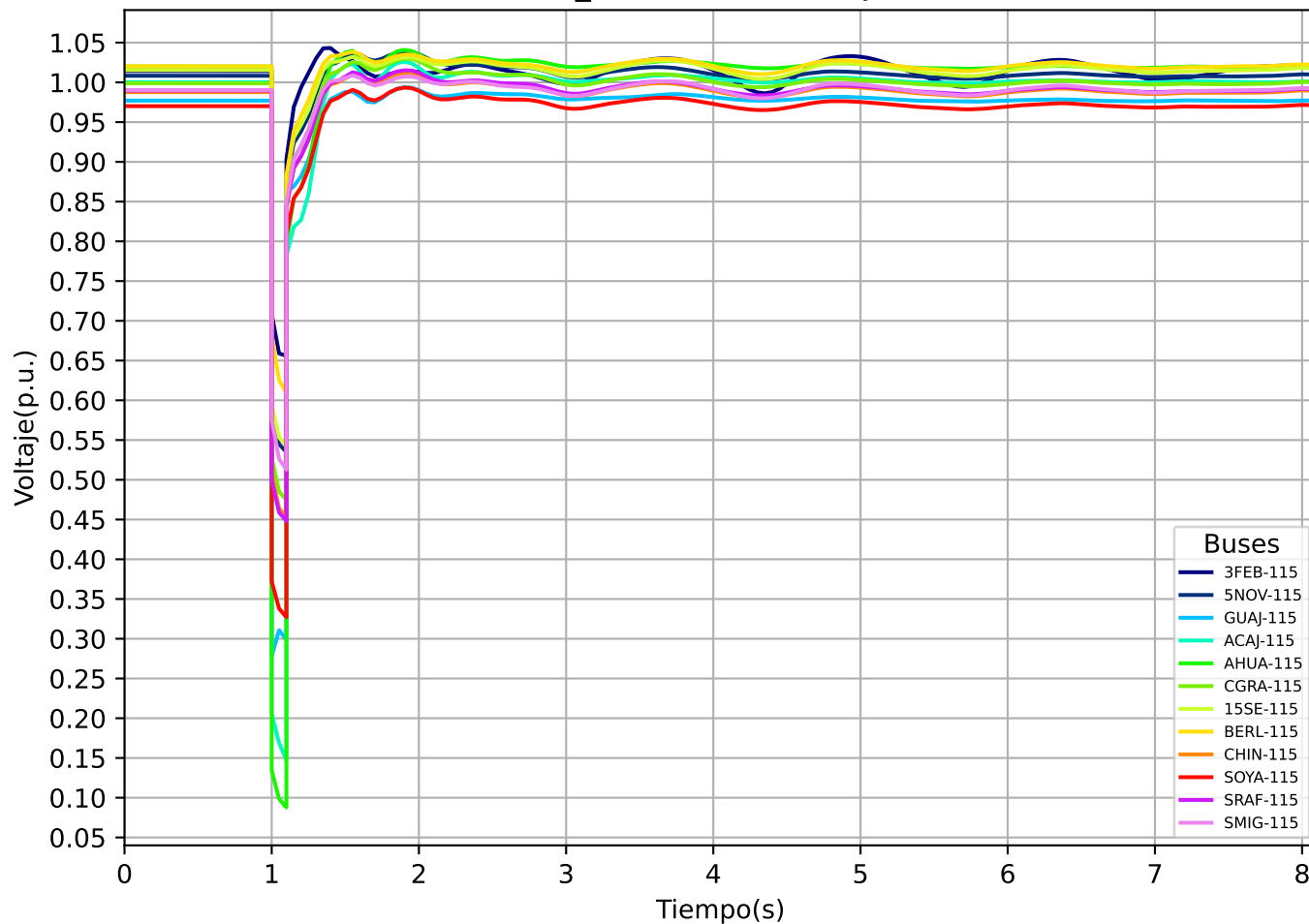
F11_AHUA-LVG: FLUJO INTERCONEXIONES ESA-GUA



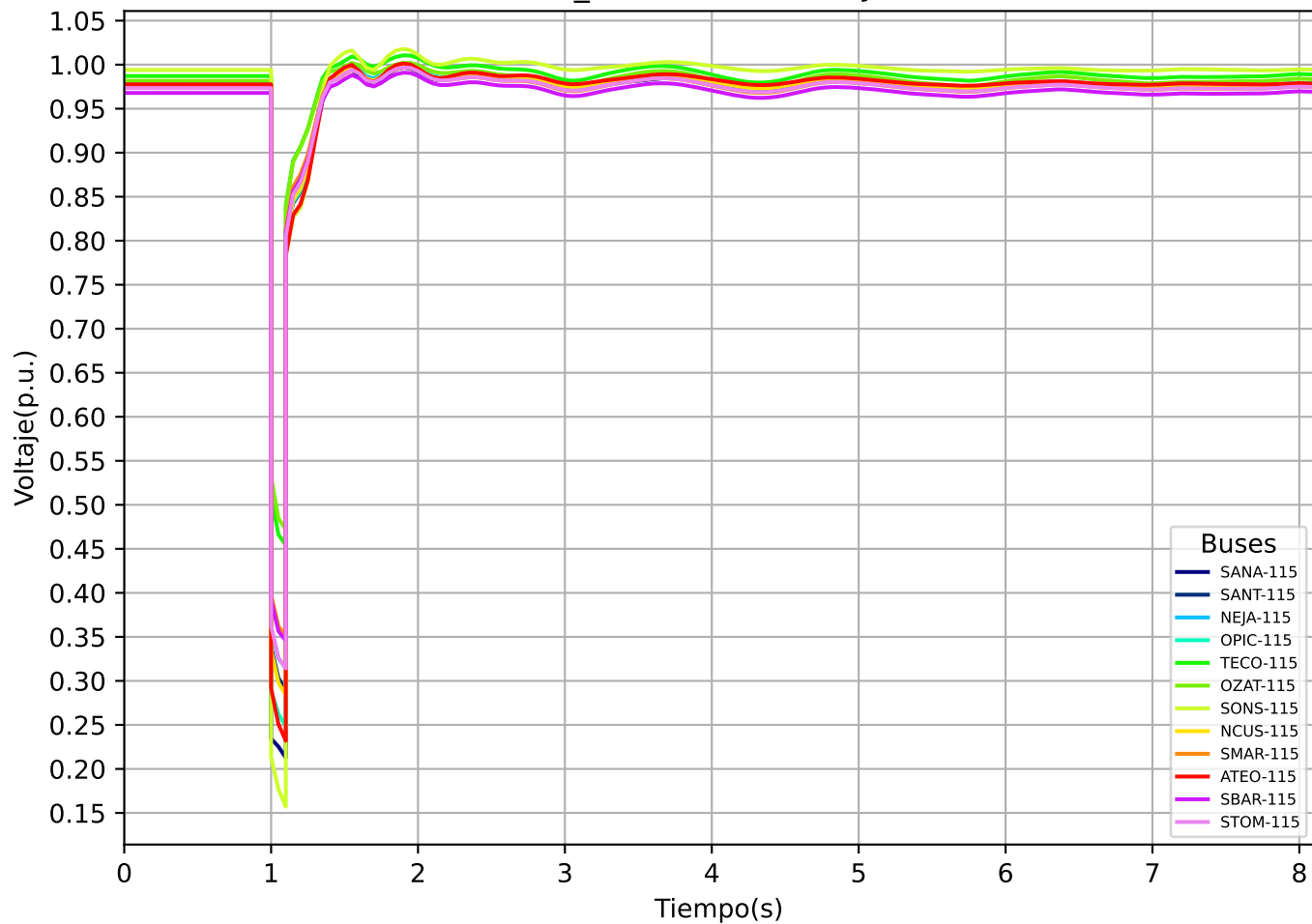
F11_AHUA-LVG: FLUJO INTERCONEXIONES ESA-HON



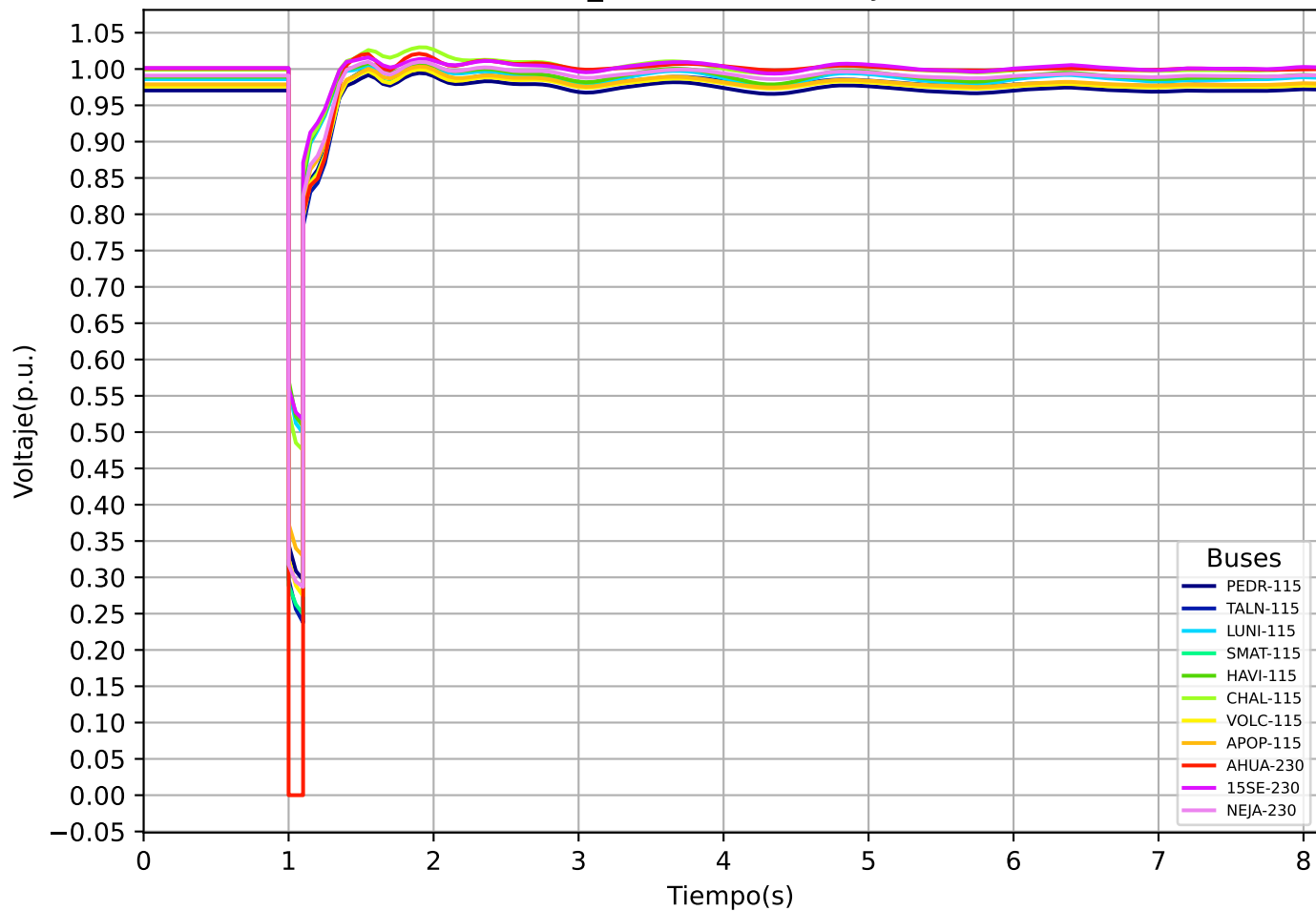
F11_AHUA-LVG: VOLTAJE 1



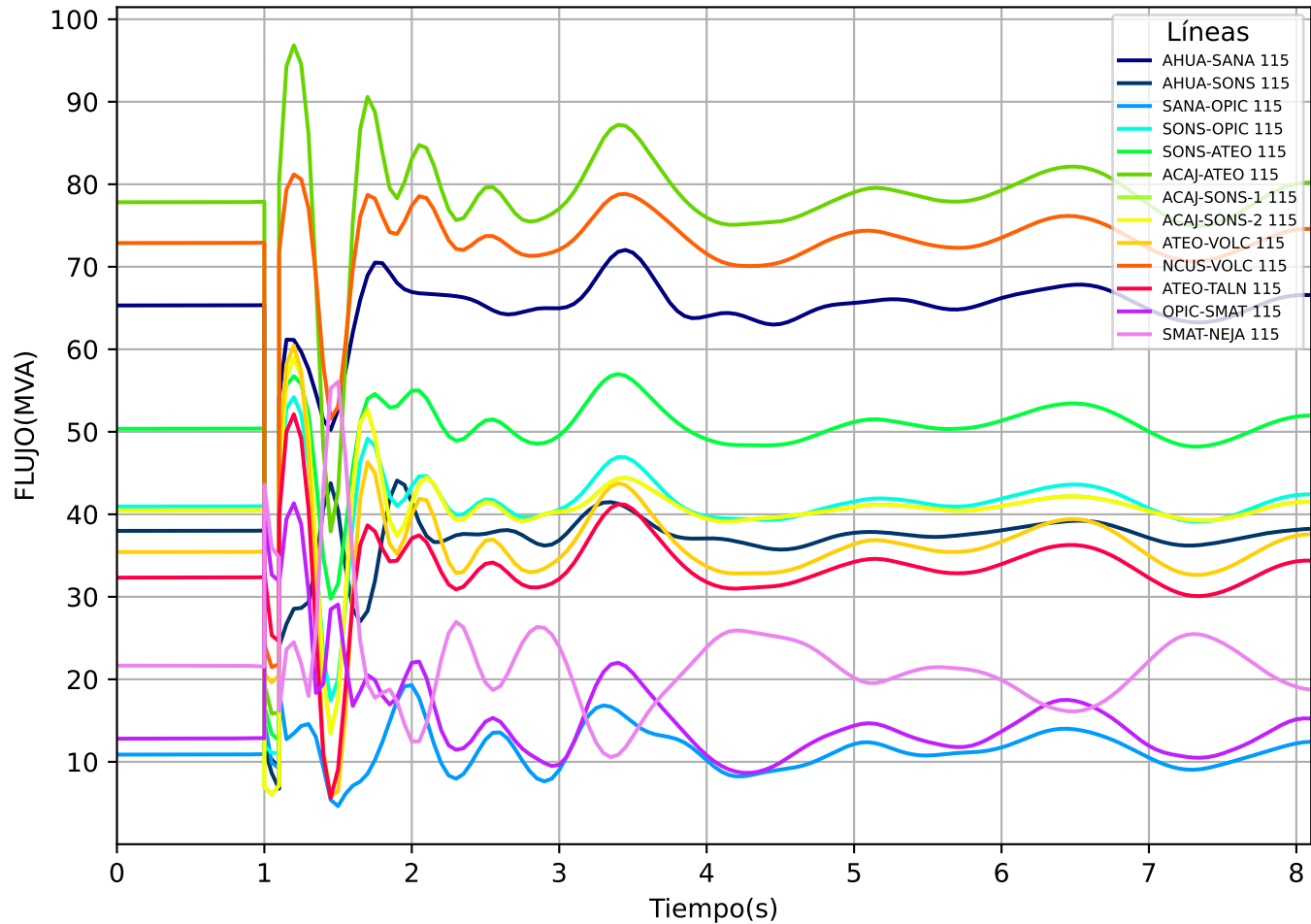
F11_AHUA-LVG: VOLTAJE 2



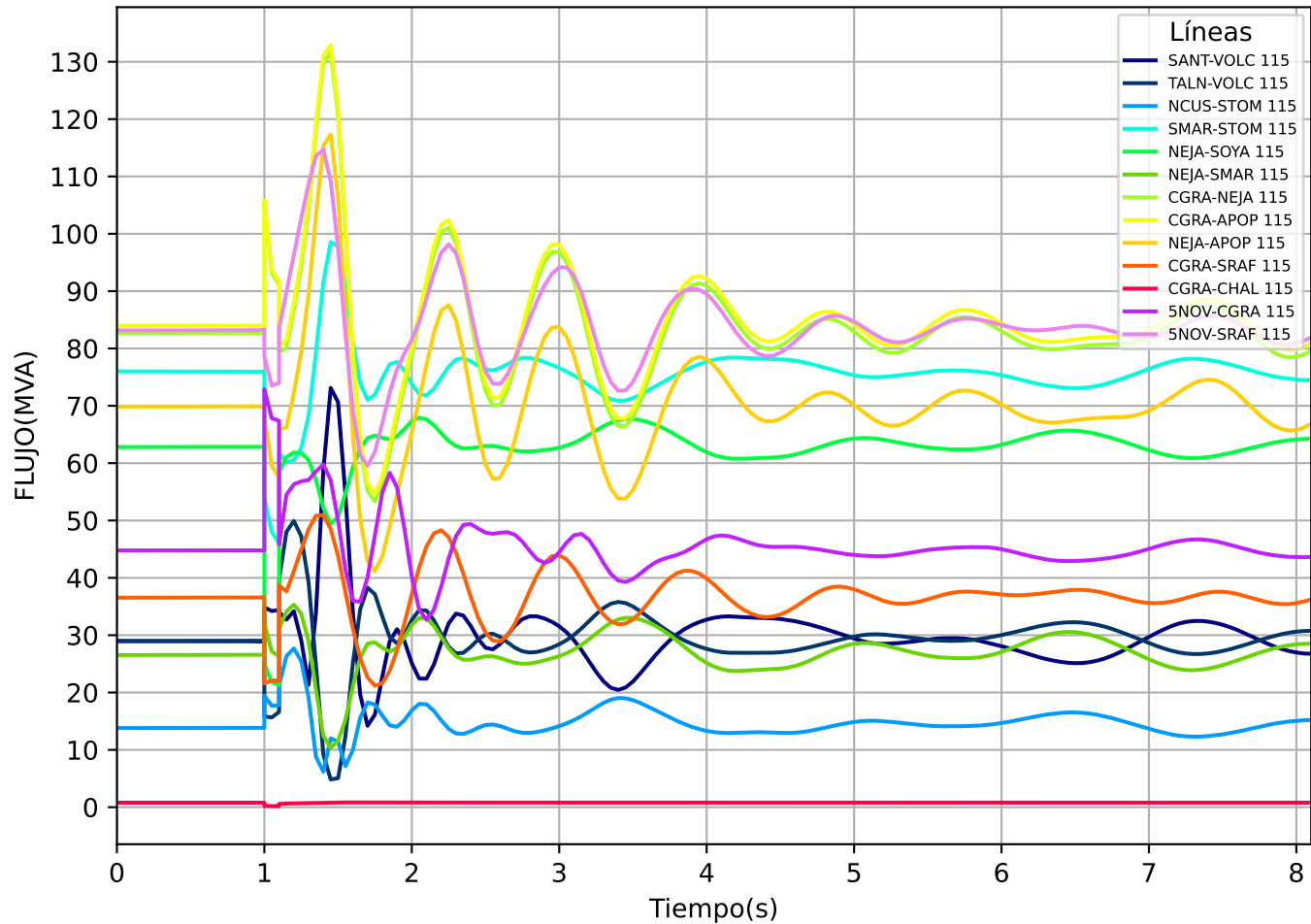
F11_AHUA-LVG: VOLTAJE 3



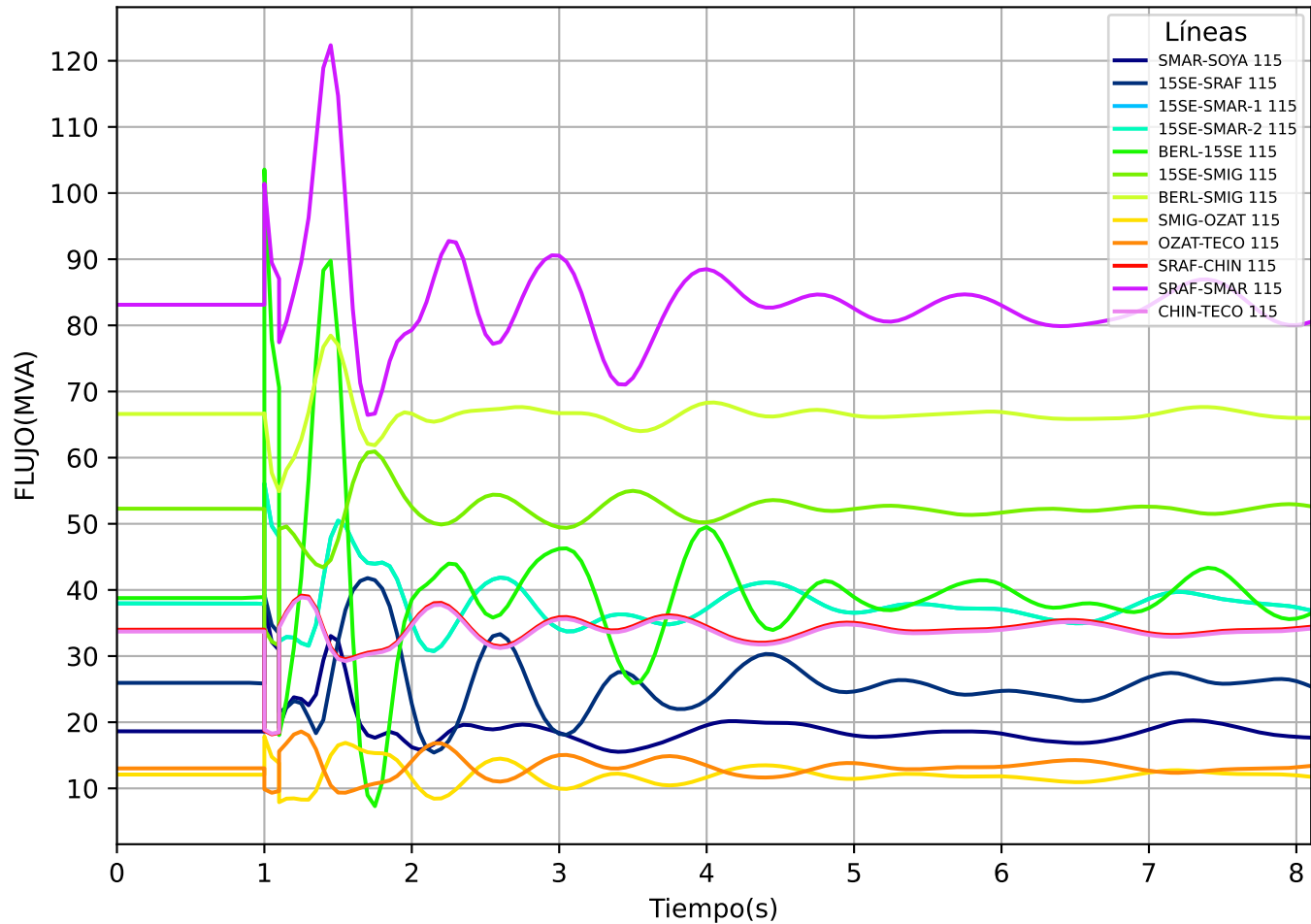
F11_AHUA-LVG: FLUJO L-115kV 1



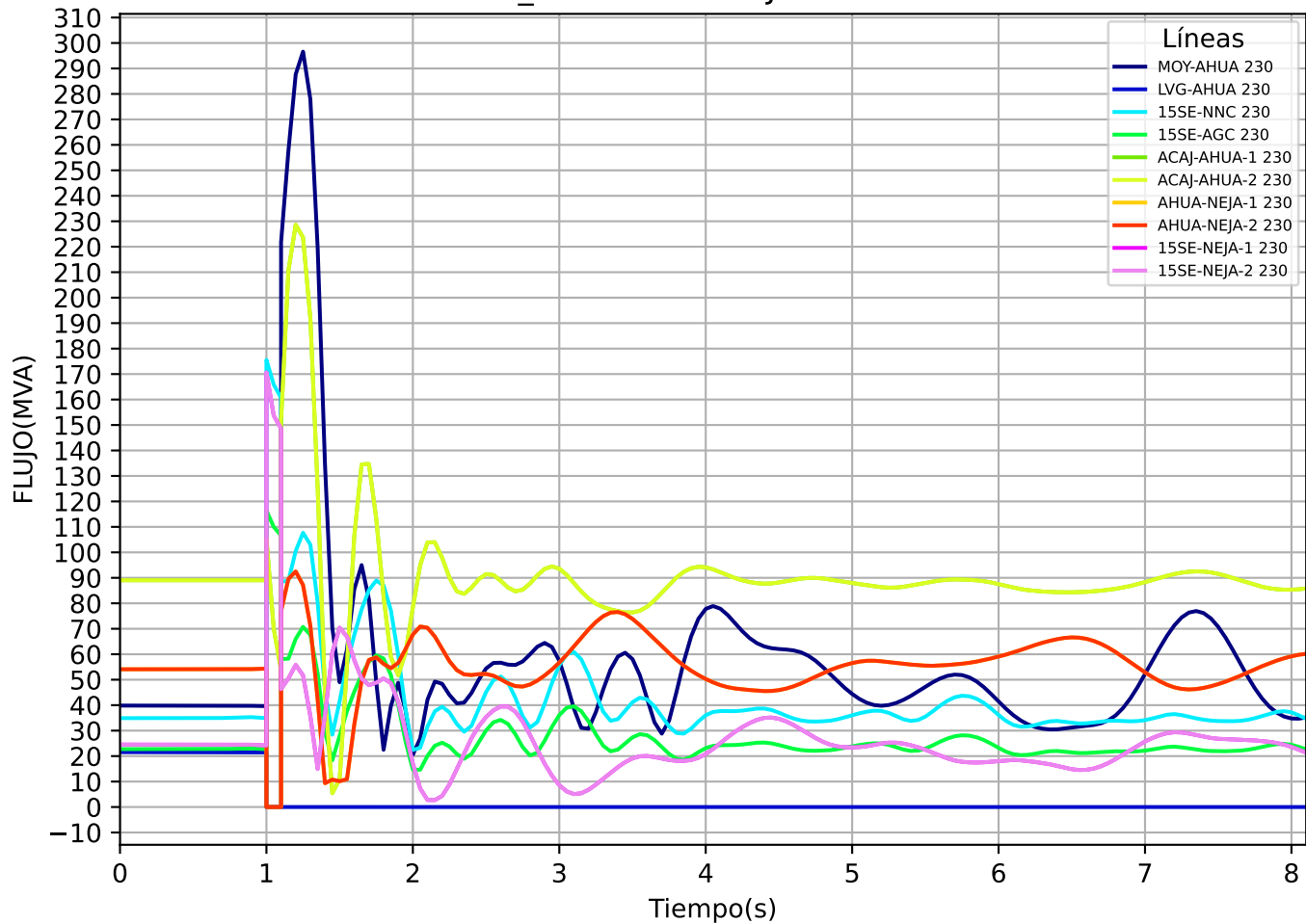
F11_AHUA-LVG: FLUJO L-115kV 2



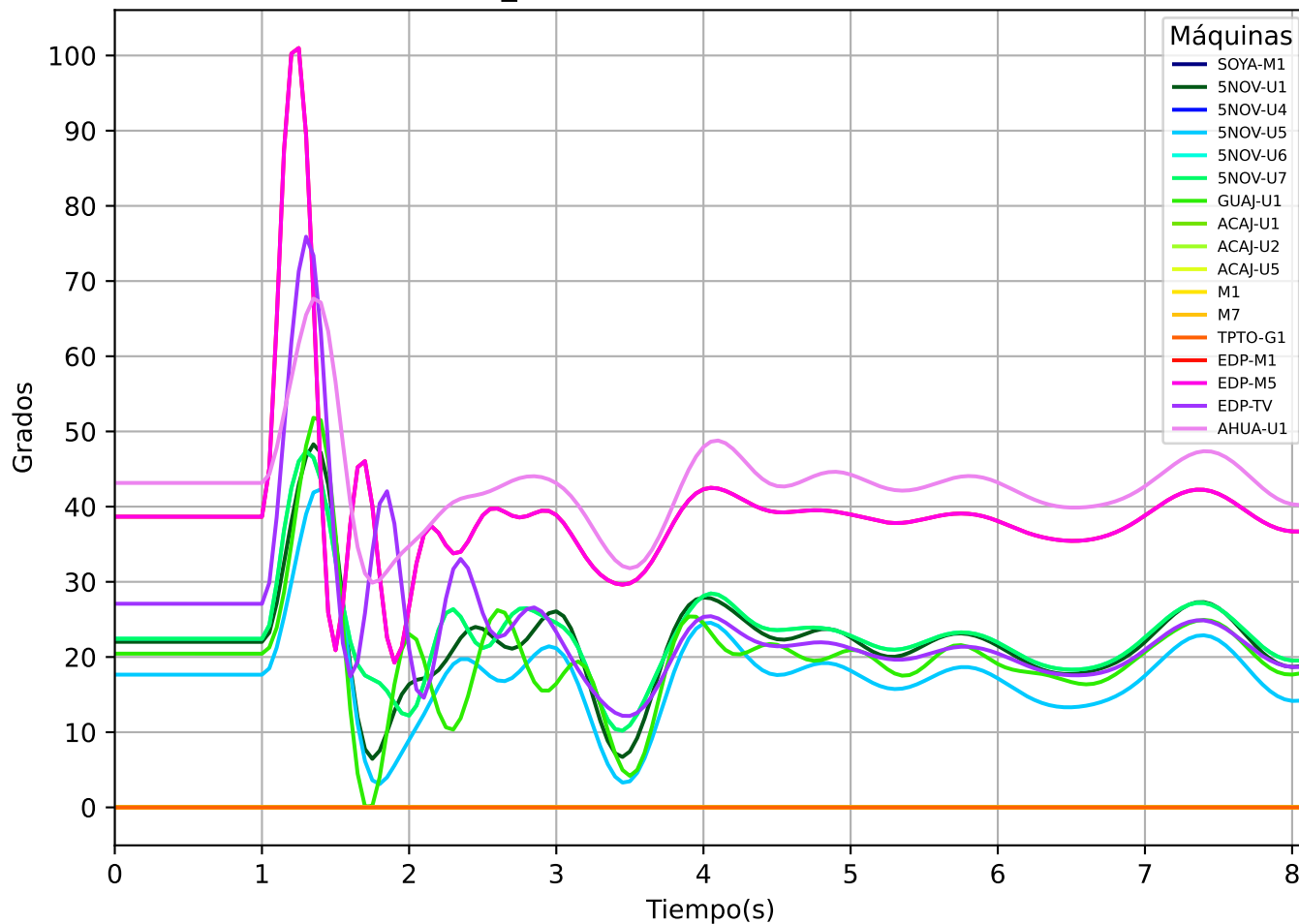
F11_AHUA-LVG: FLUJO L-115kV 3



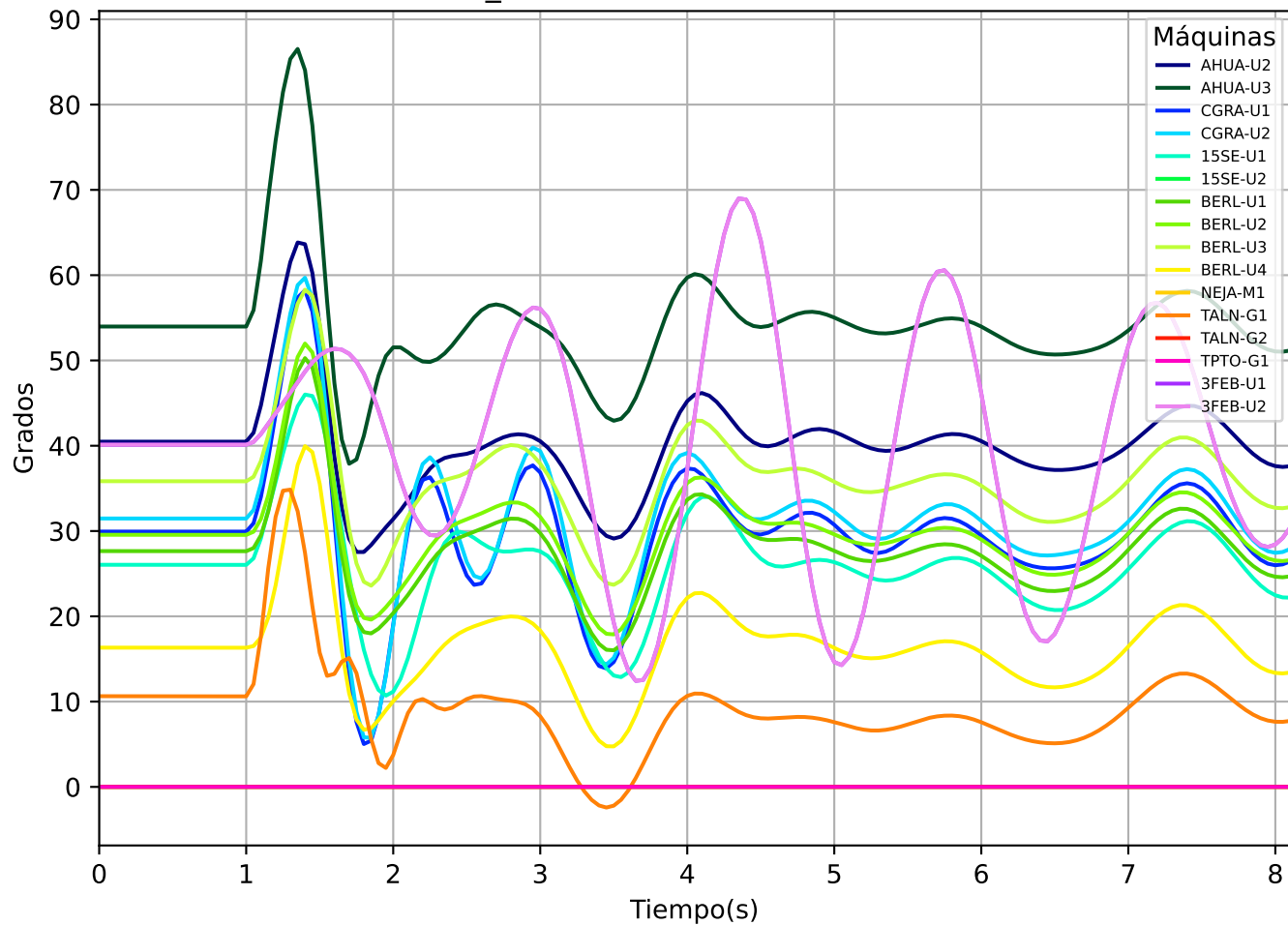
F11_AHUA-LVG: FLUJO L-230kV 4



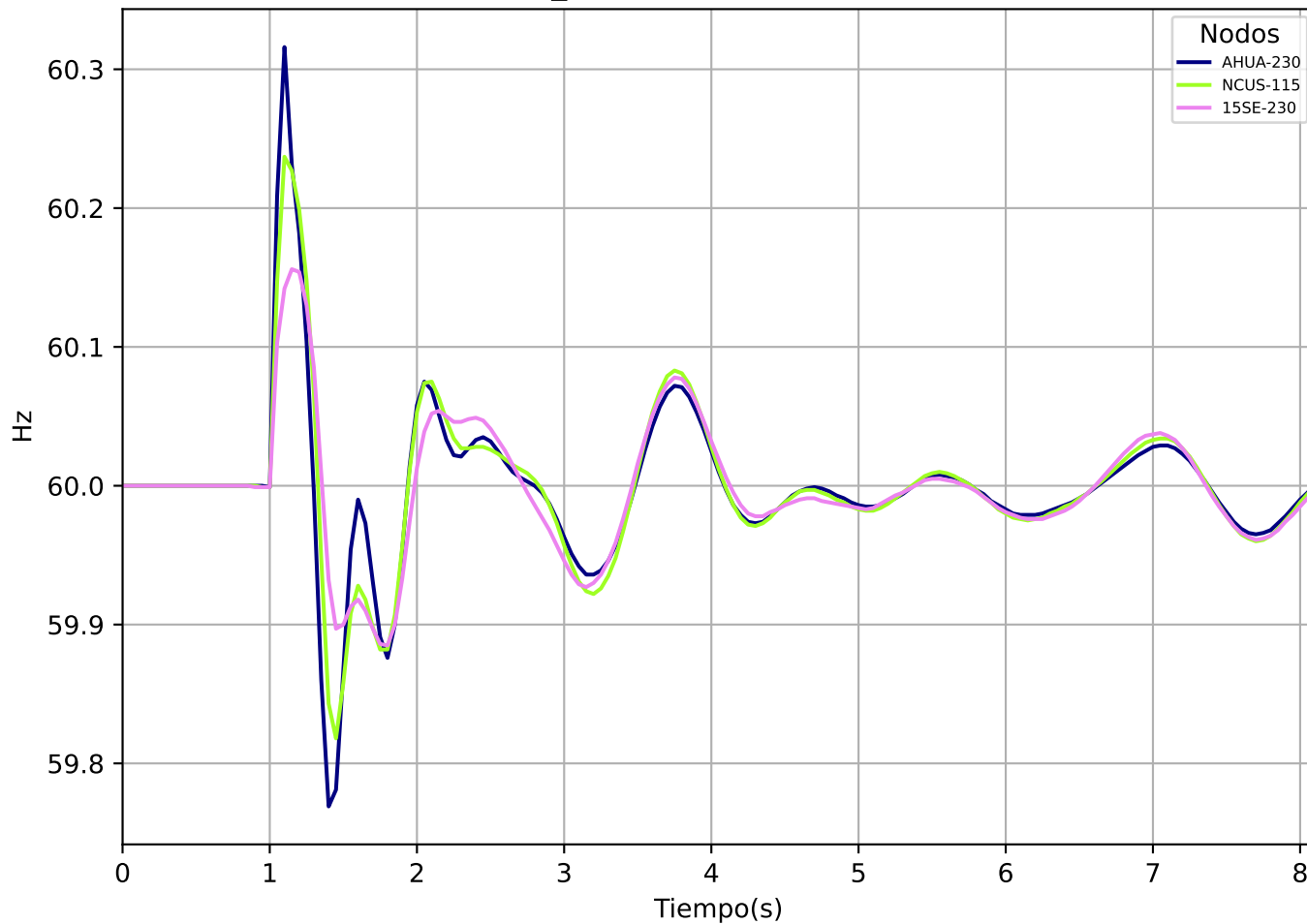
F11_AHUA-LVG: ANGULO ROTOR 1



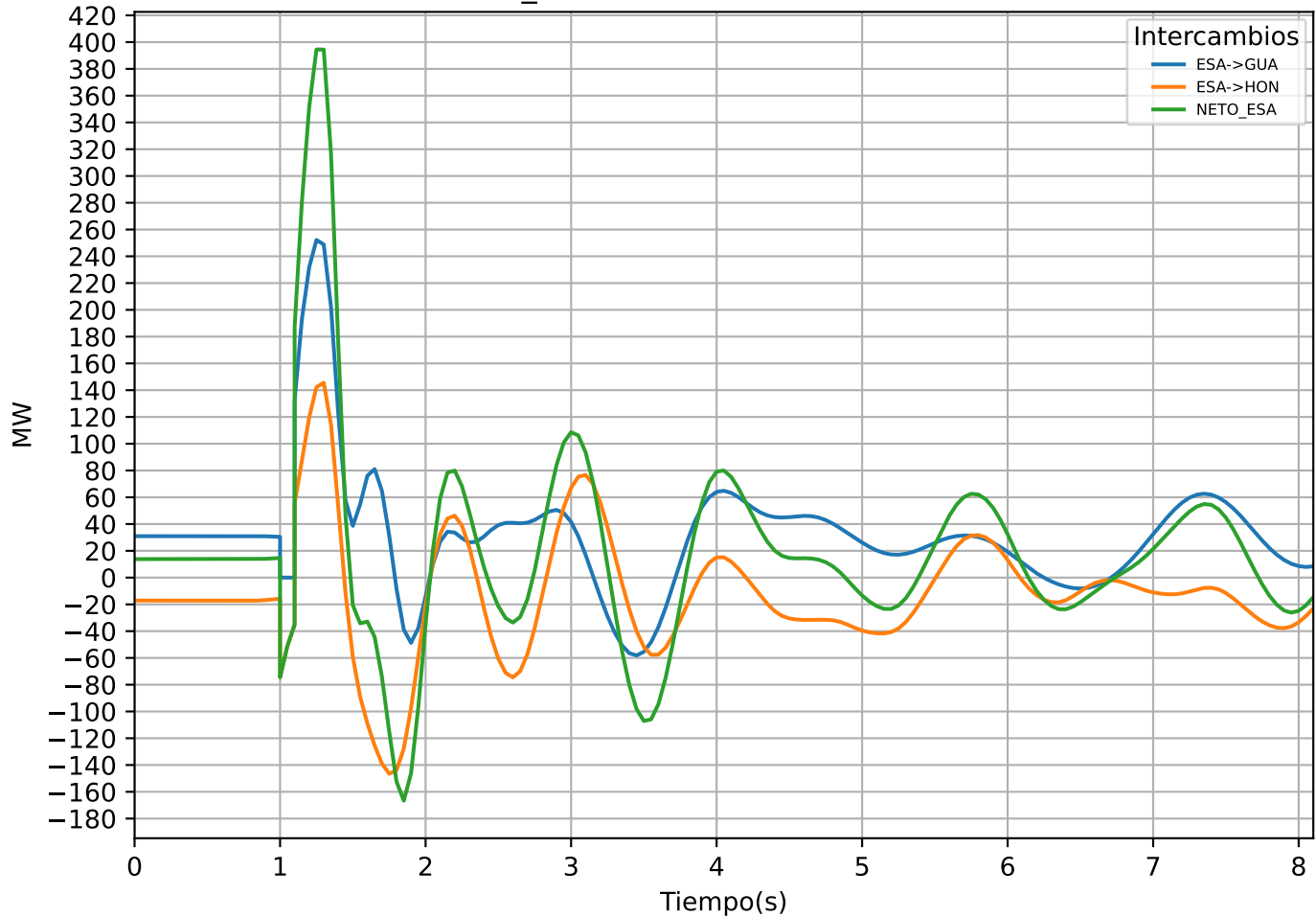
F11_AHUA-LVG: ANGULO ROTOR 2



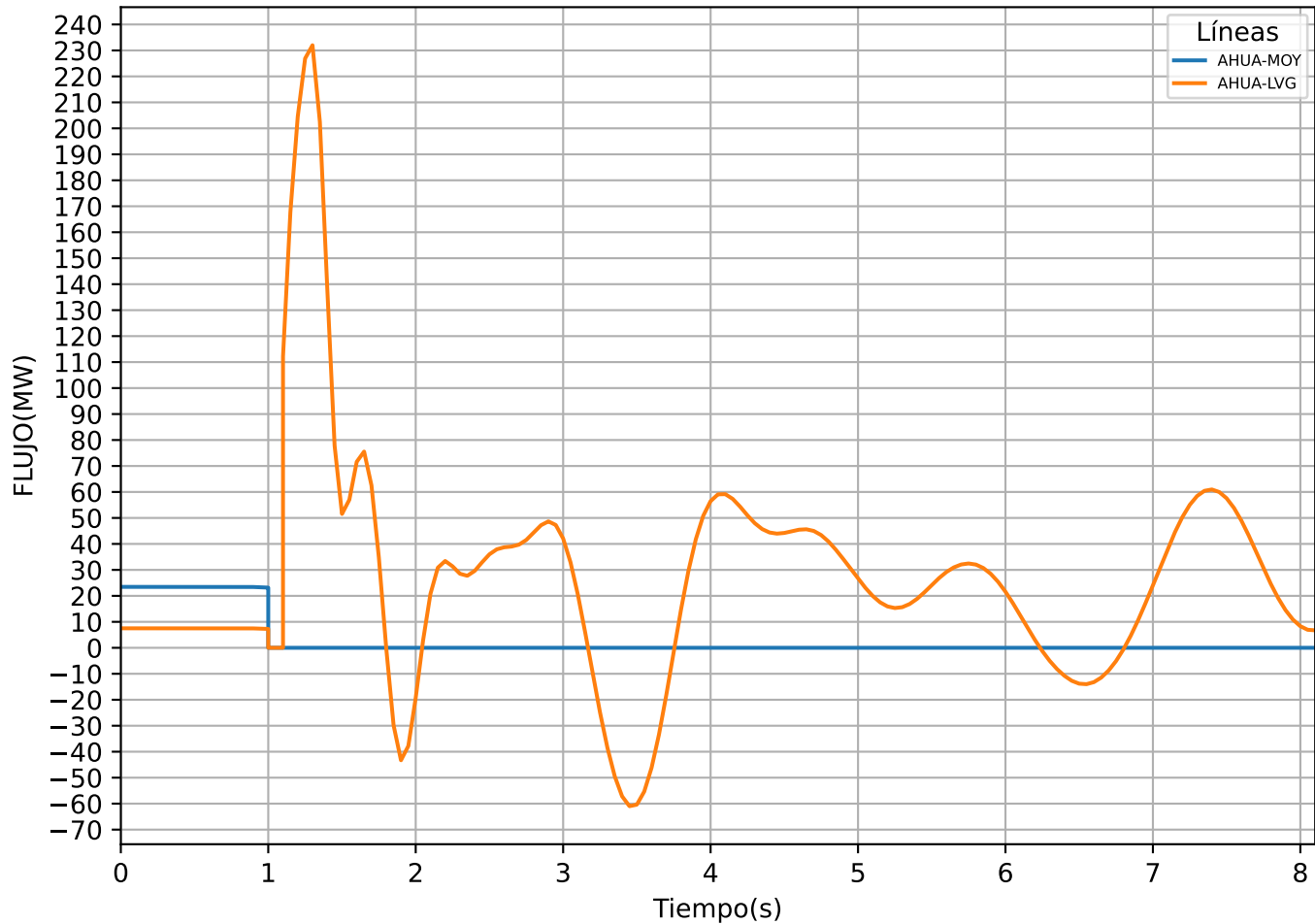
F11_AHUA-LVG: FRECUENCIA



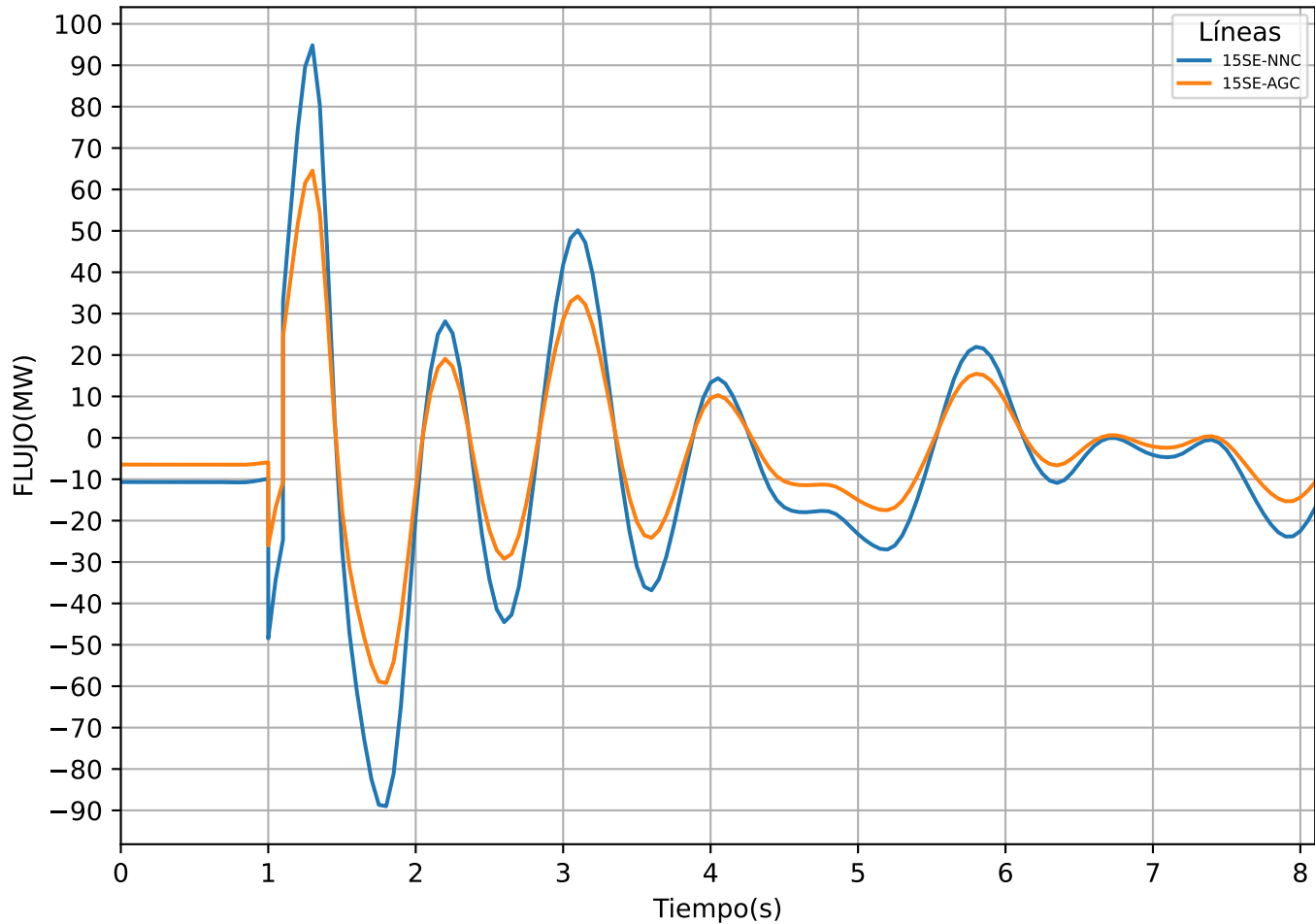
F11_AHUA-LVG: Intercambios ESA



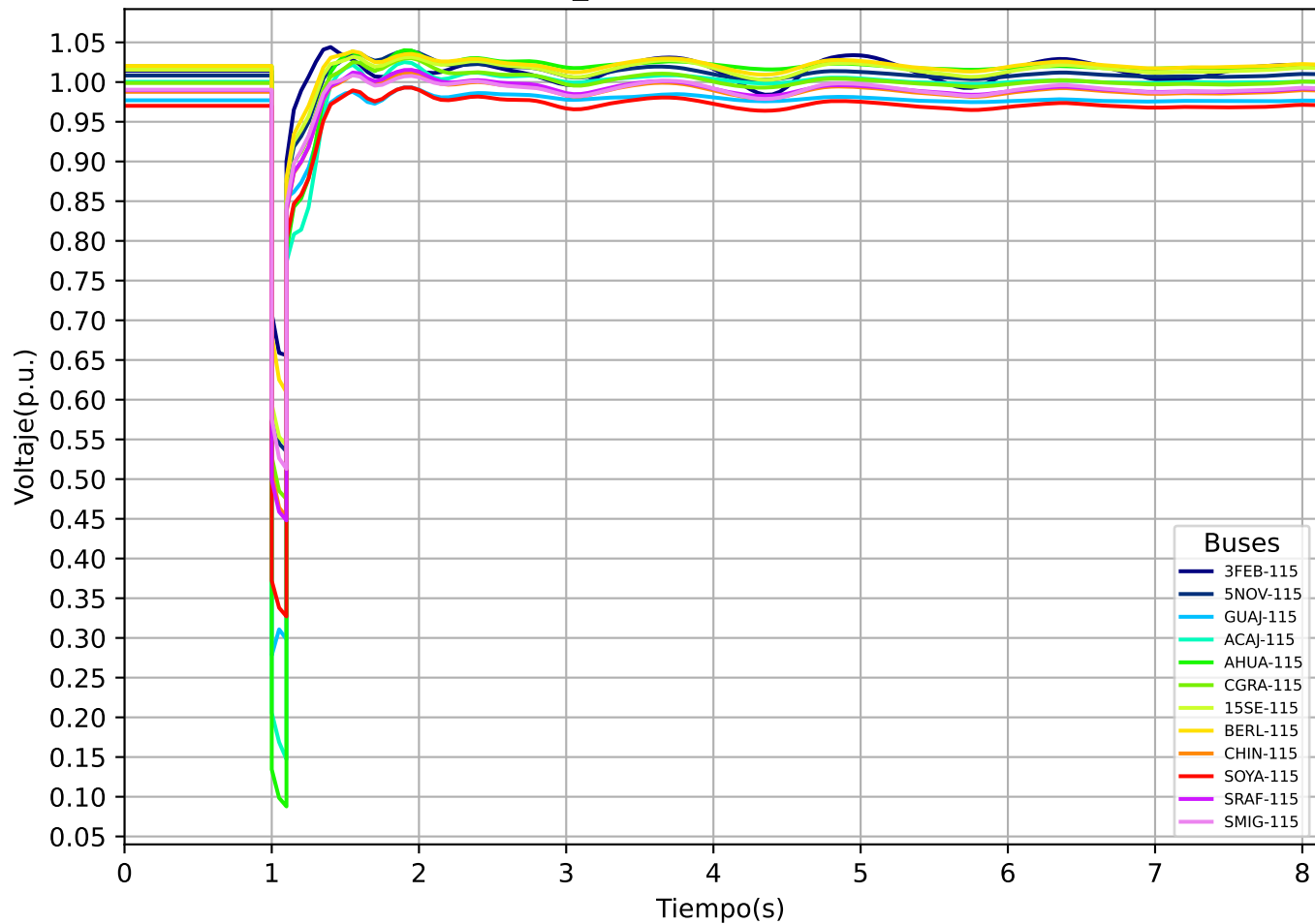
F12_AHUA-MOY: FLUJO INTERCONEXIONES ESA-GUA



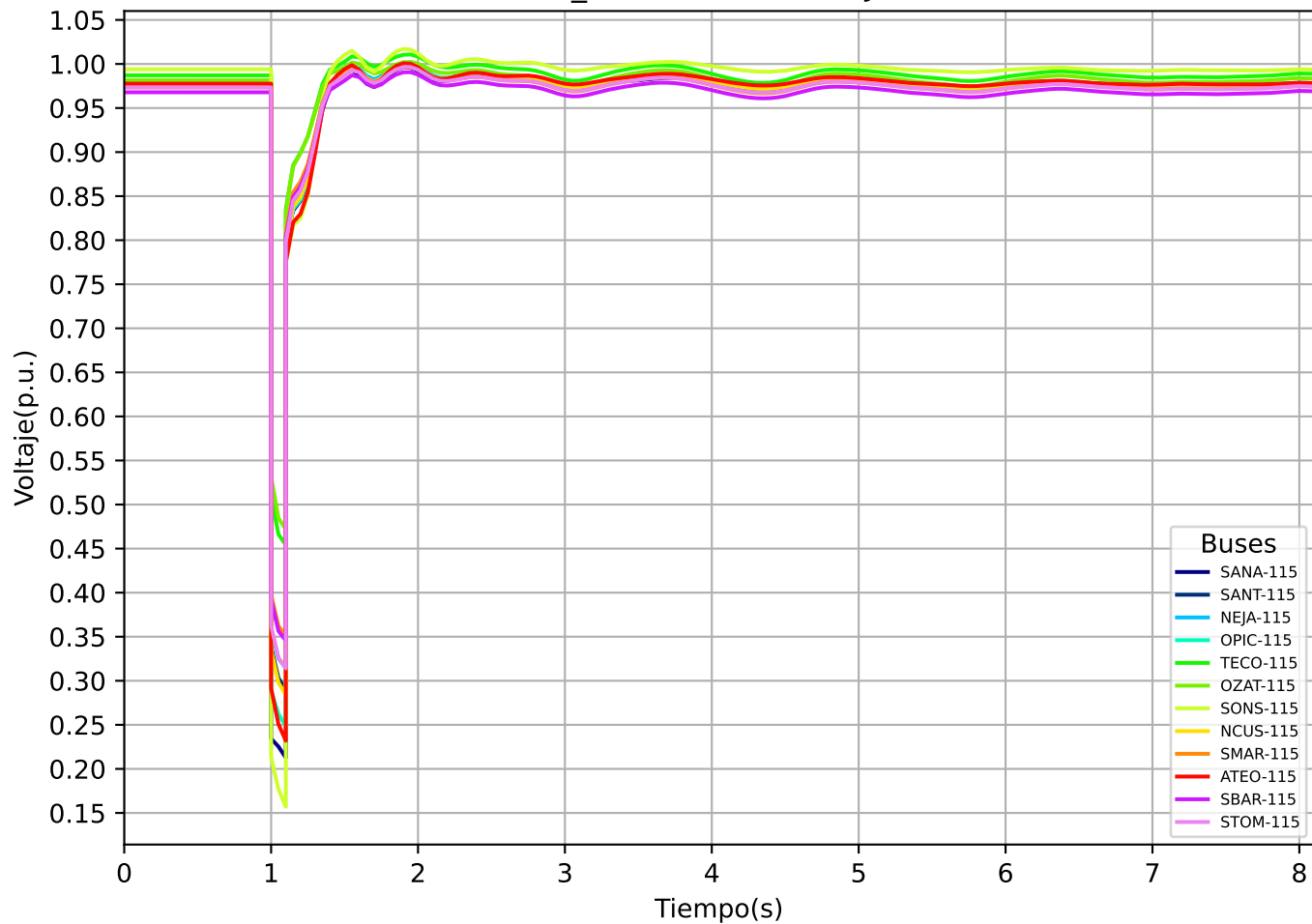
F12_AHUA-MOY: FLUJO INTERCONEXIONES ESA-HON



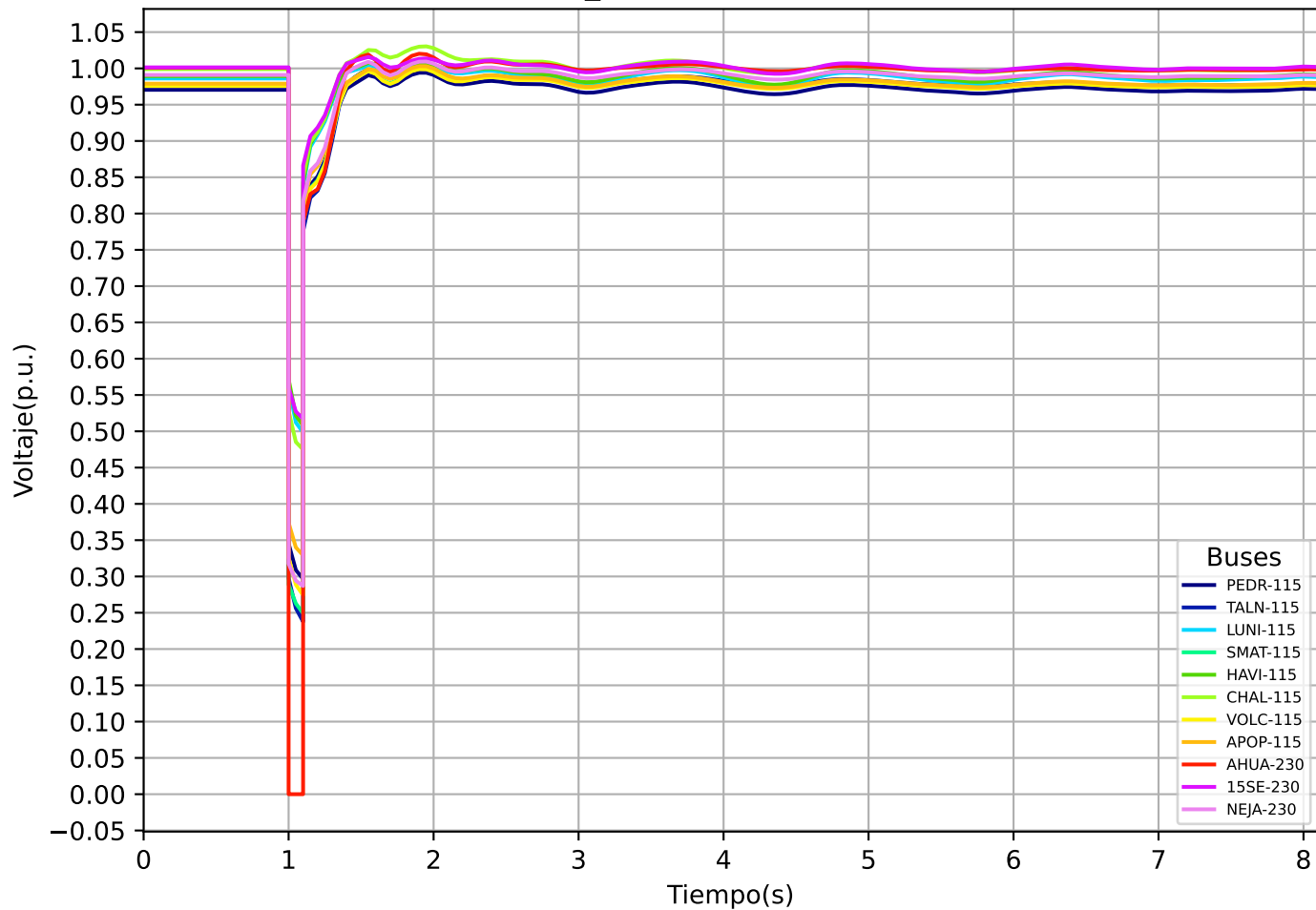
F12_AHUA-MOY: VOLTAJE 1



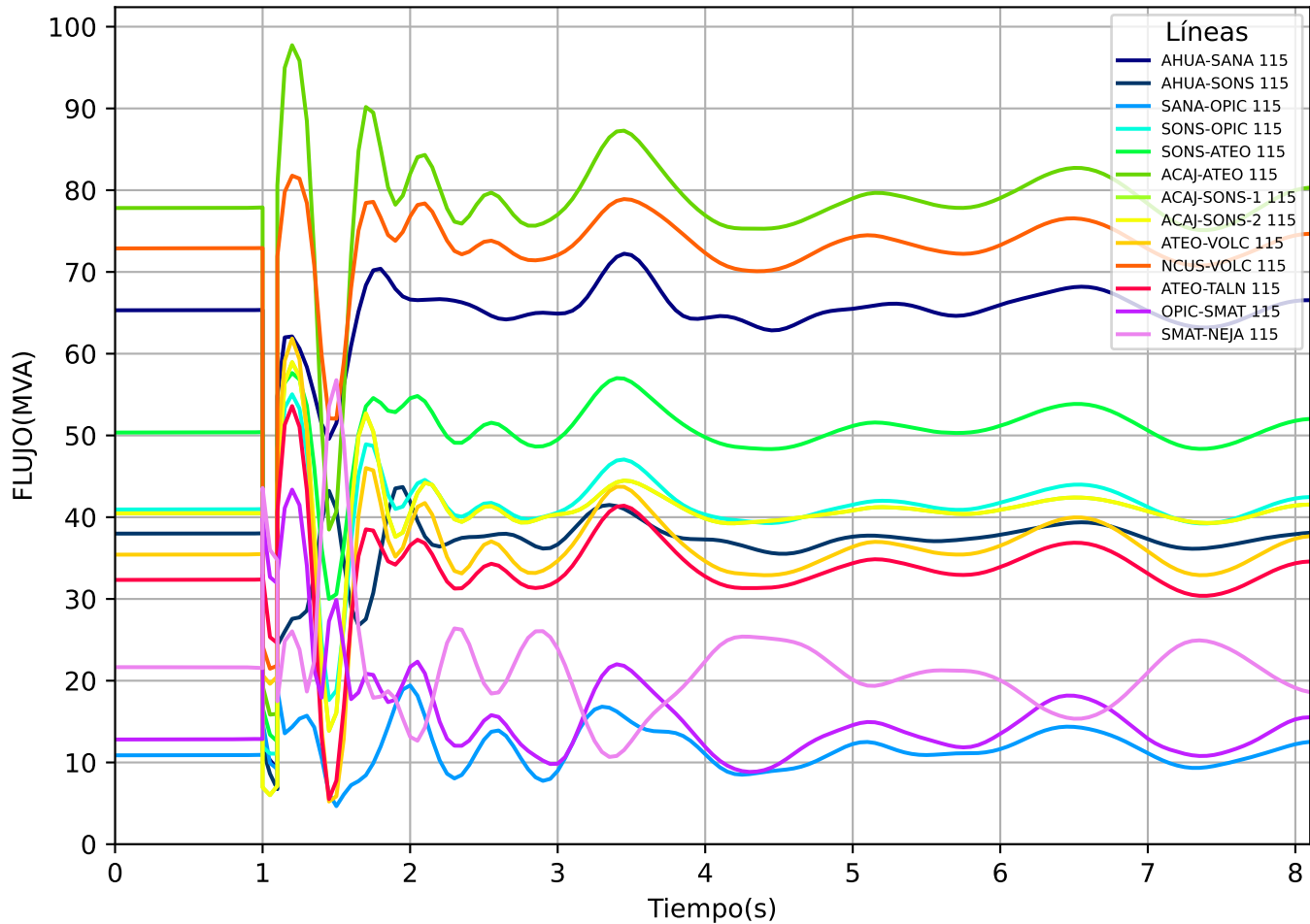
F12_AHUA-MOY: VOLTAJE 2



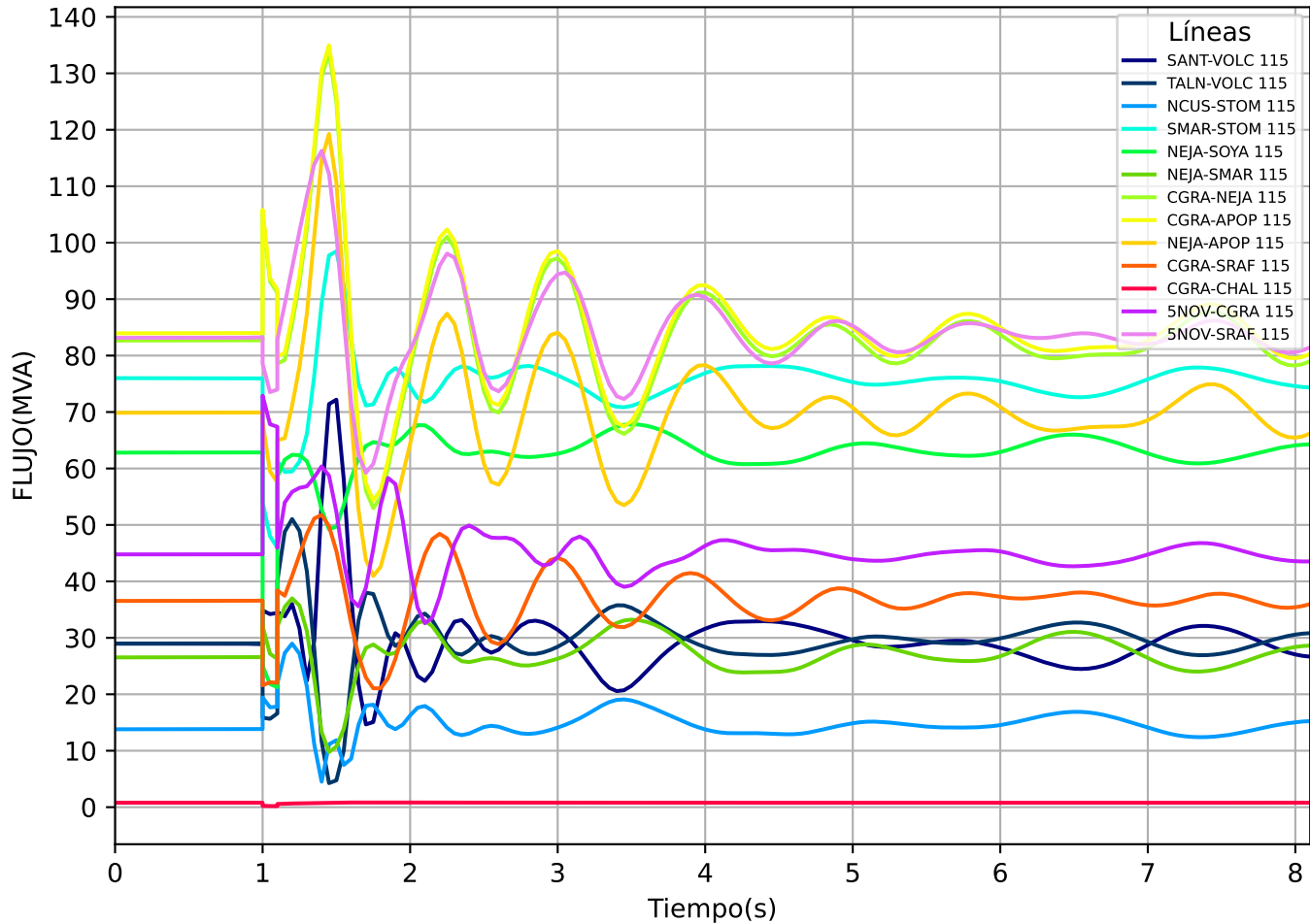
F12_AHUA-MOY: VOLTAJE 3



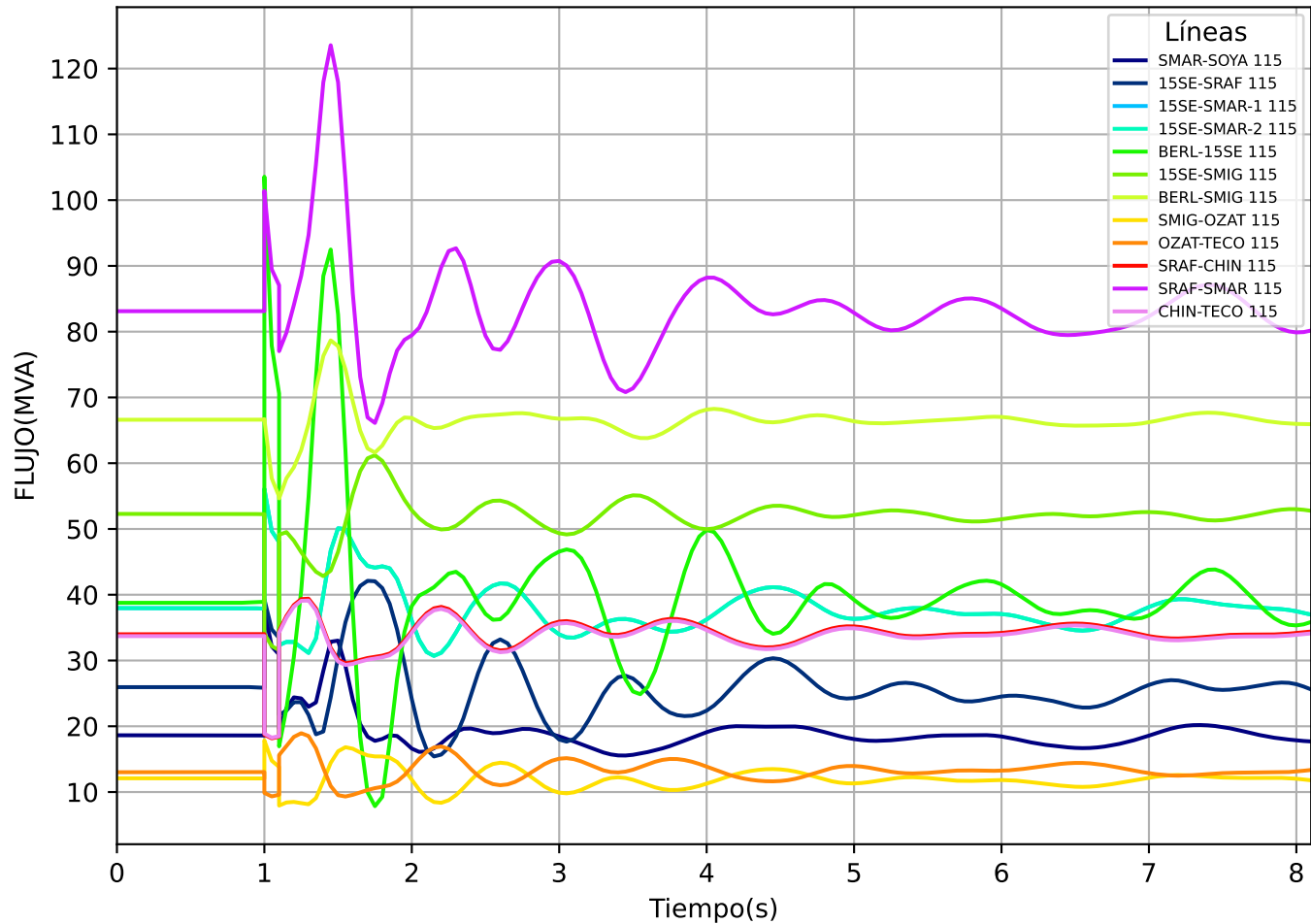
F12_AHUA-MOY: FLUJO L-115kV 1



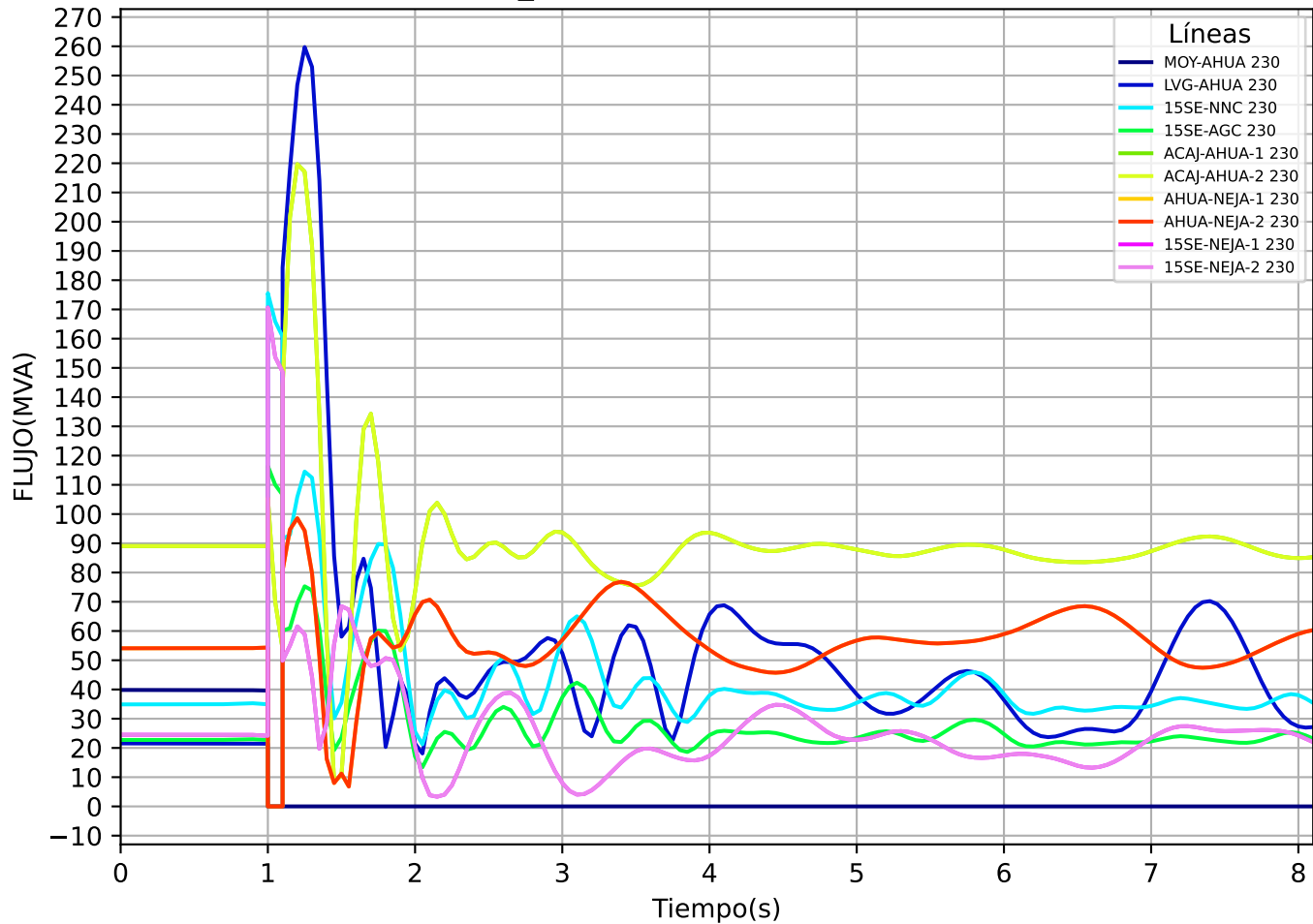
F12_AHUA-MOY: FLUJO L-115kV 2



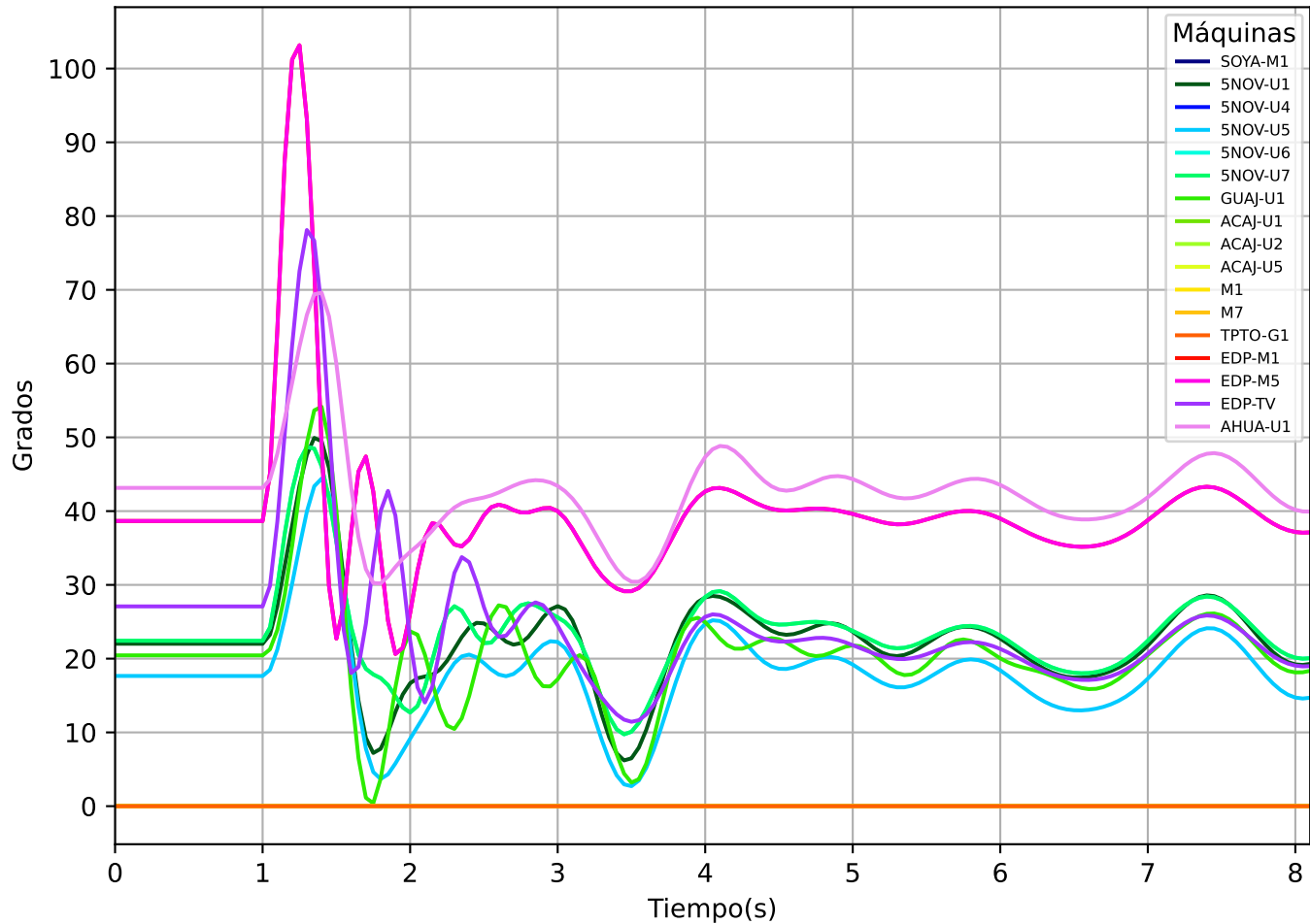
F12_AHUA-MOY: FLUJO L-115kV 3



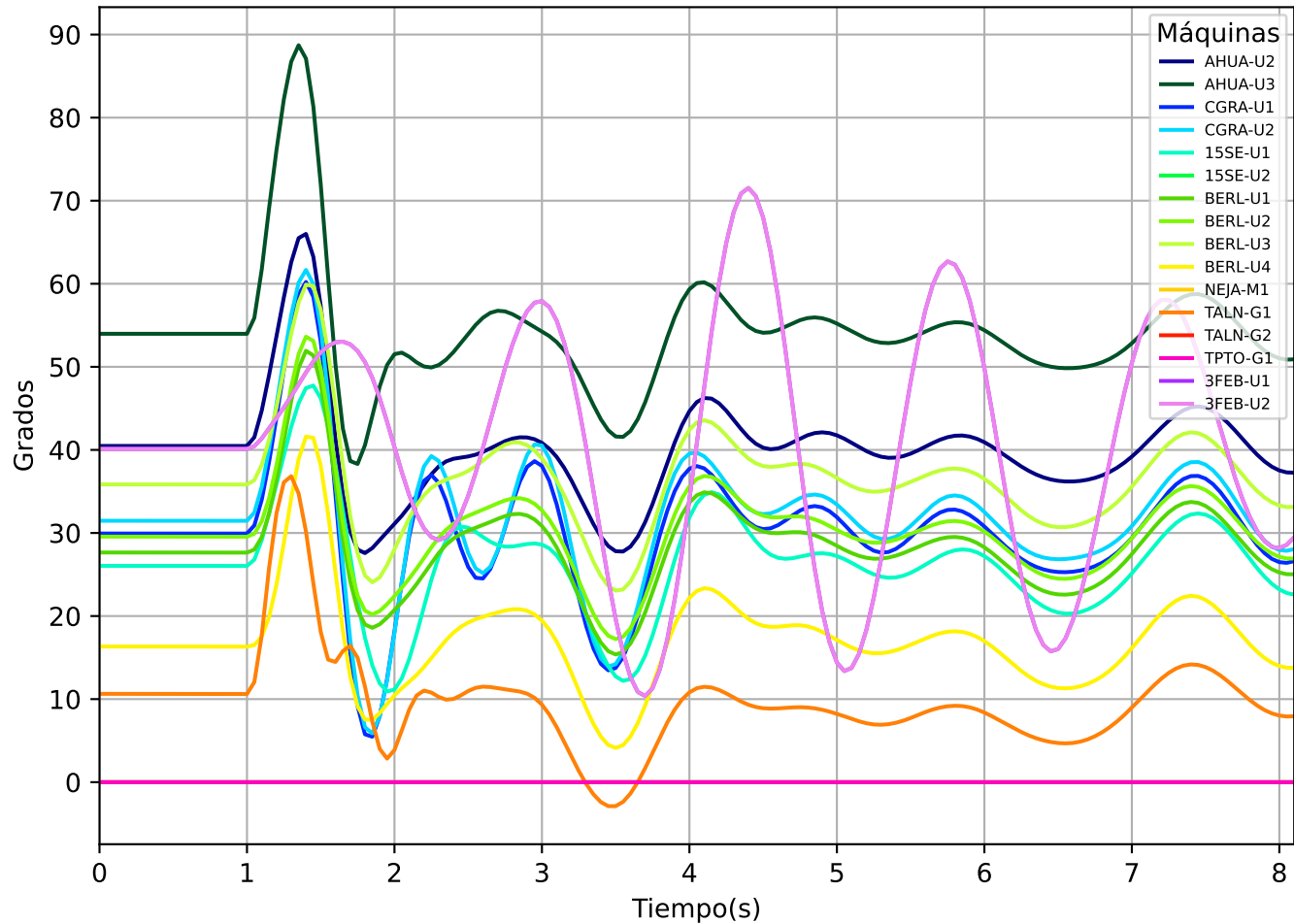
F12_AHUA-MOY: FLUJO L-230kV 4



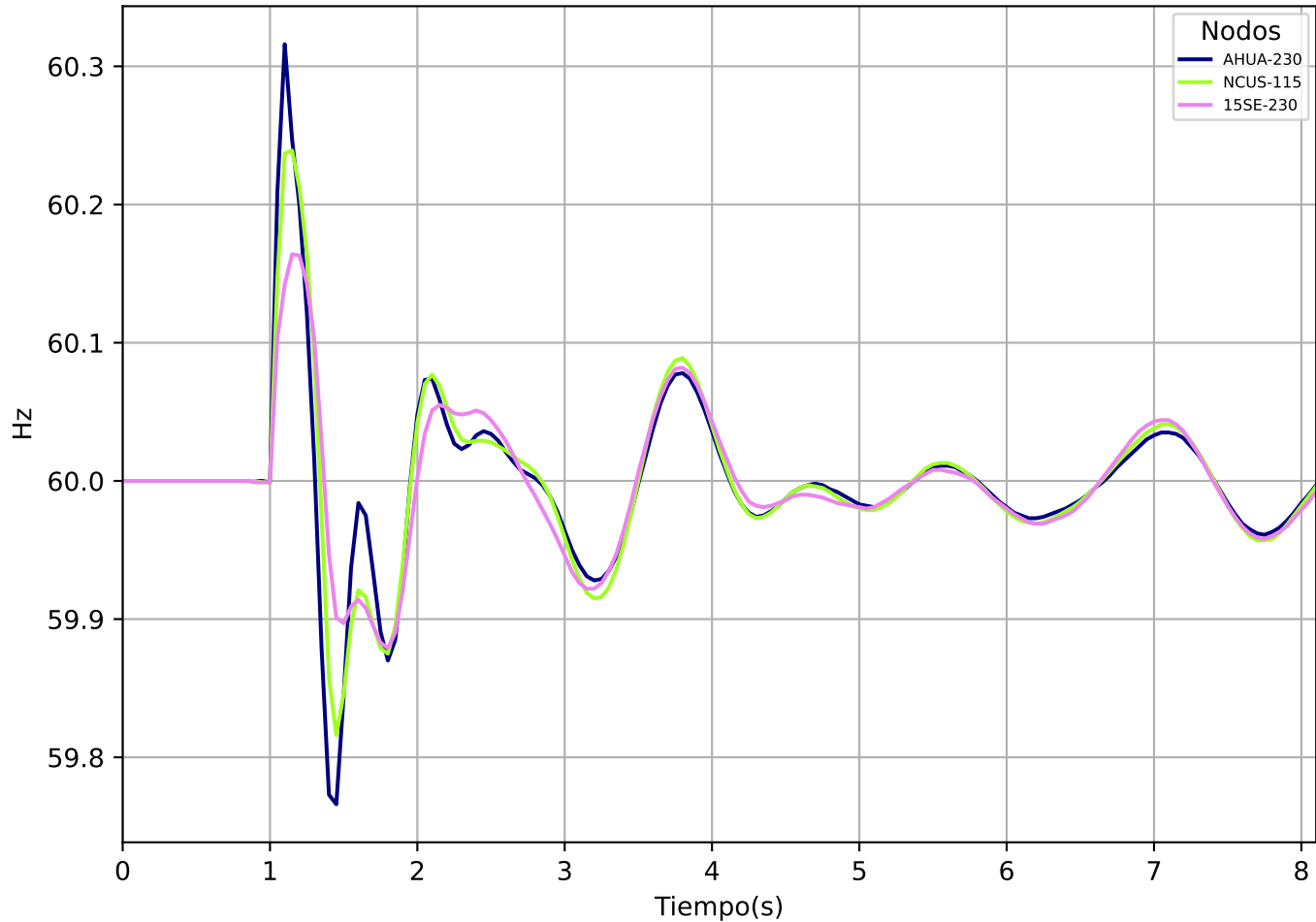
F12_AHUA-MOY: ANGULO ROTOR 1



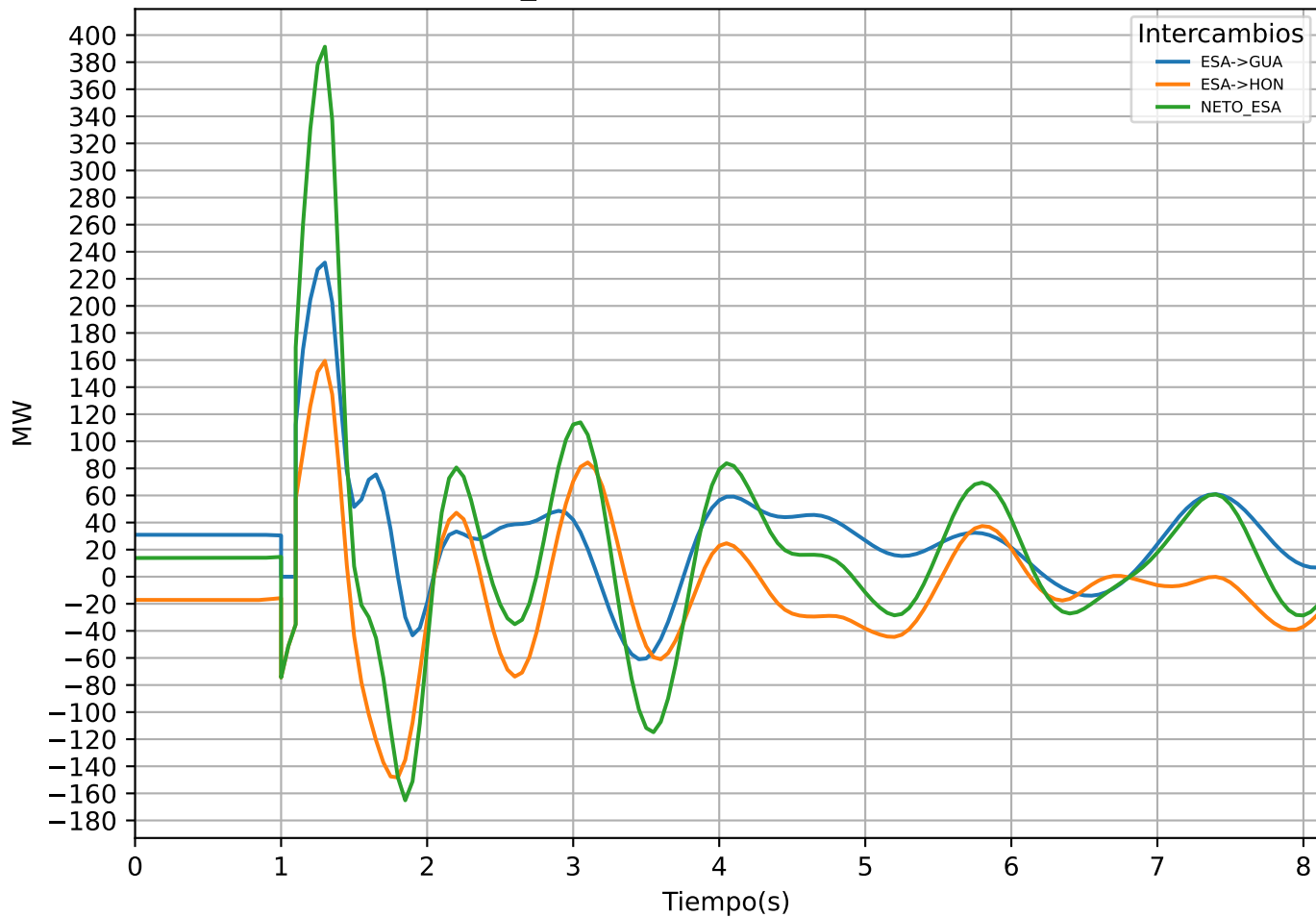
F12_AHUA-MOY: ANGULO ROTOR 2



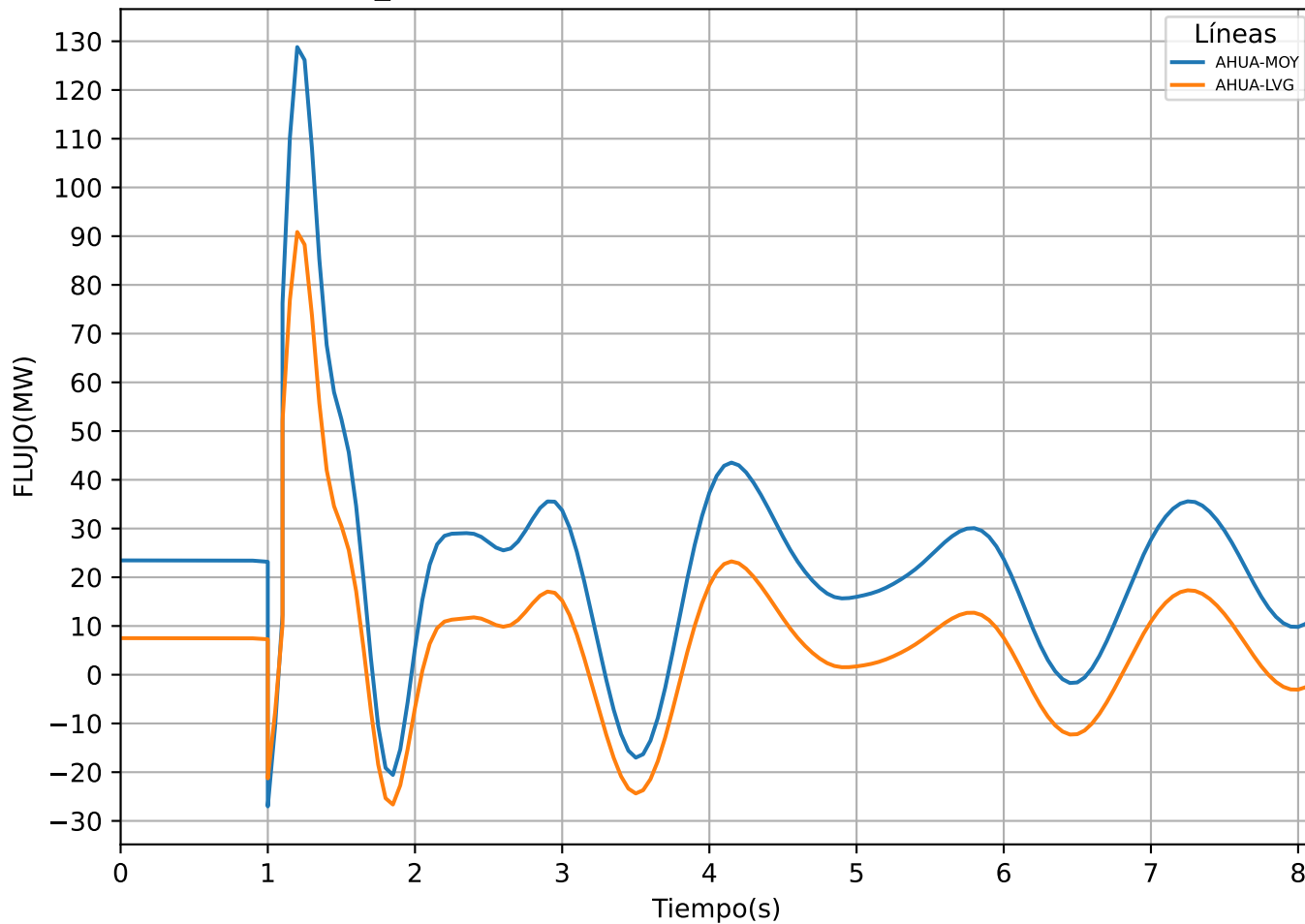
F12_AHUA-MOY: FRECUENCIA



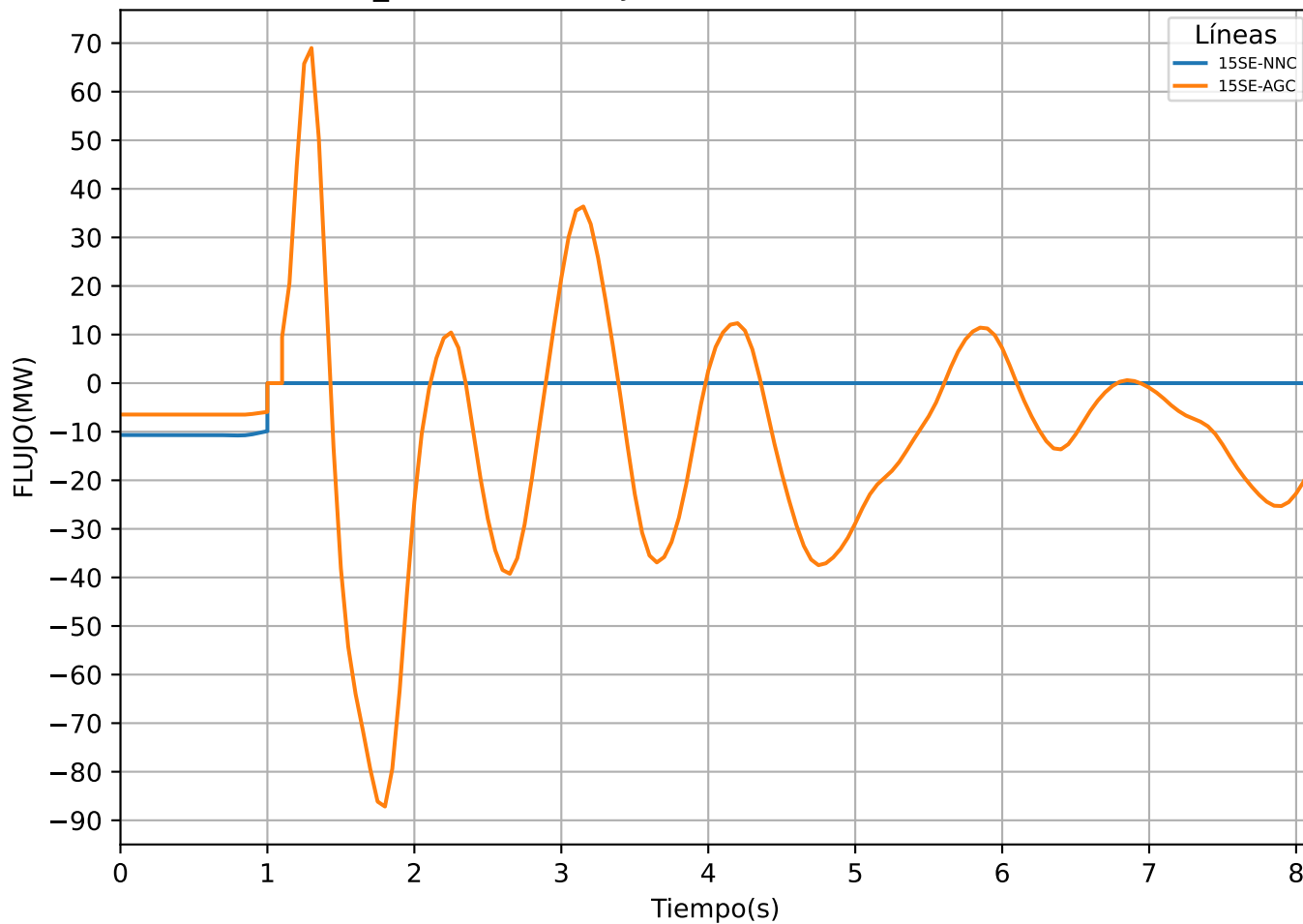
F12_AHUA-MOY: Intercambios ESA



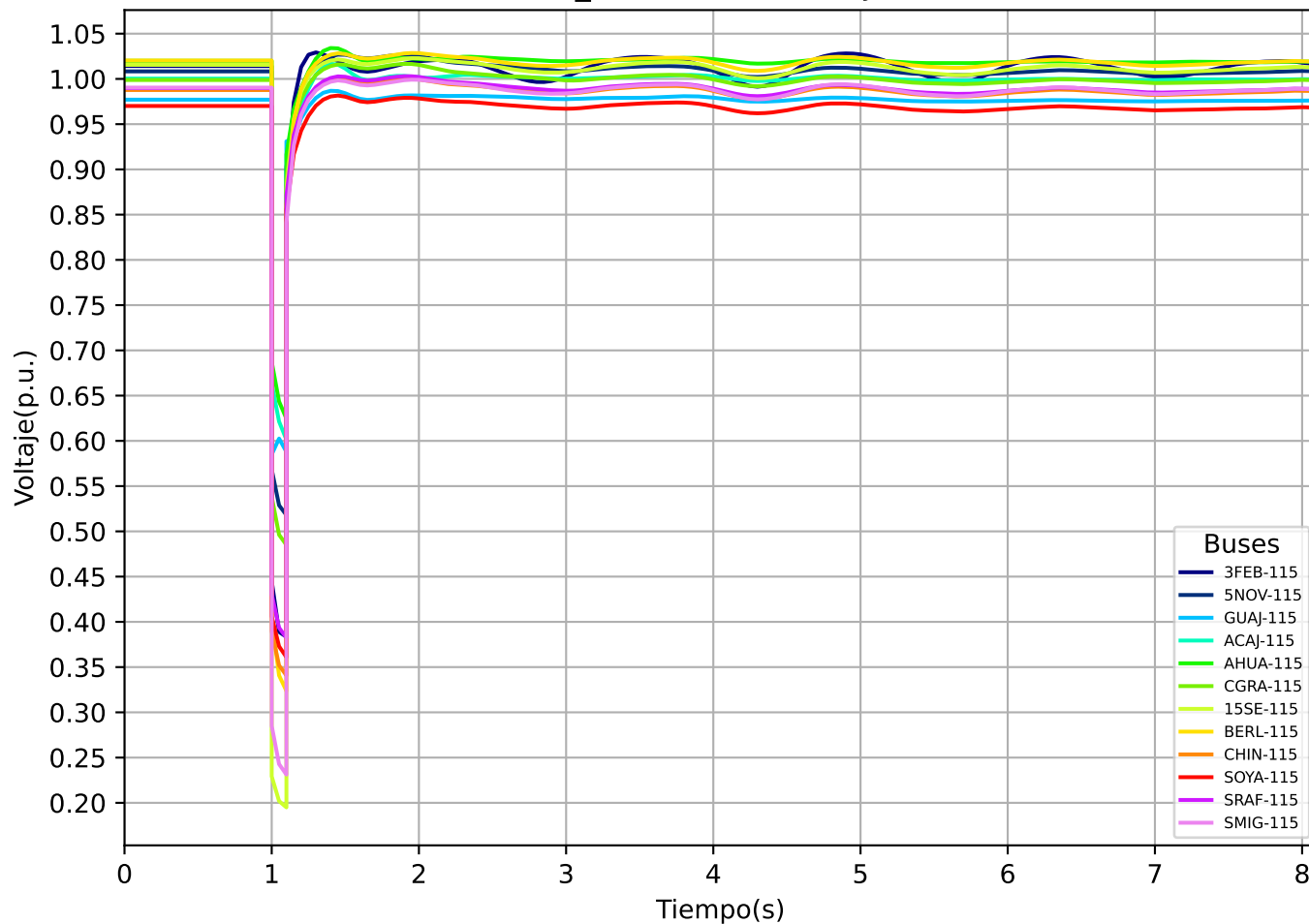
F13_15SE-NNC: FLUJO INTERCONEXIONES ESA-GUA



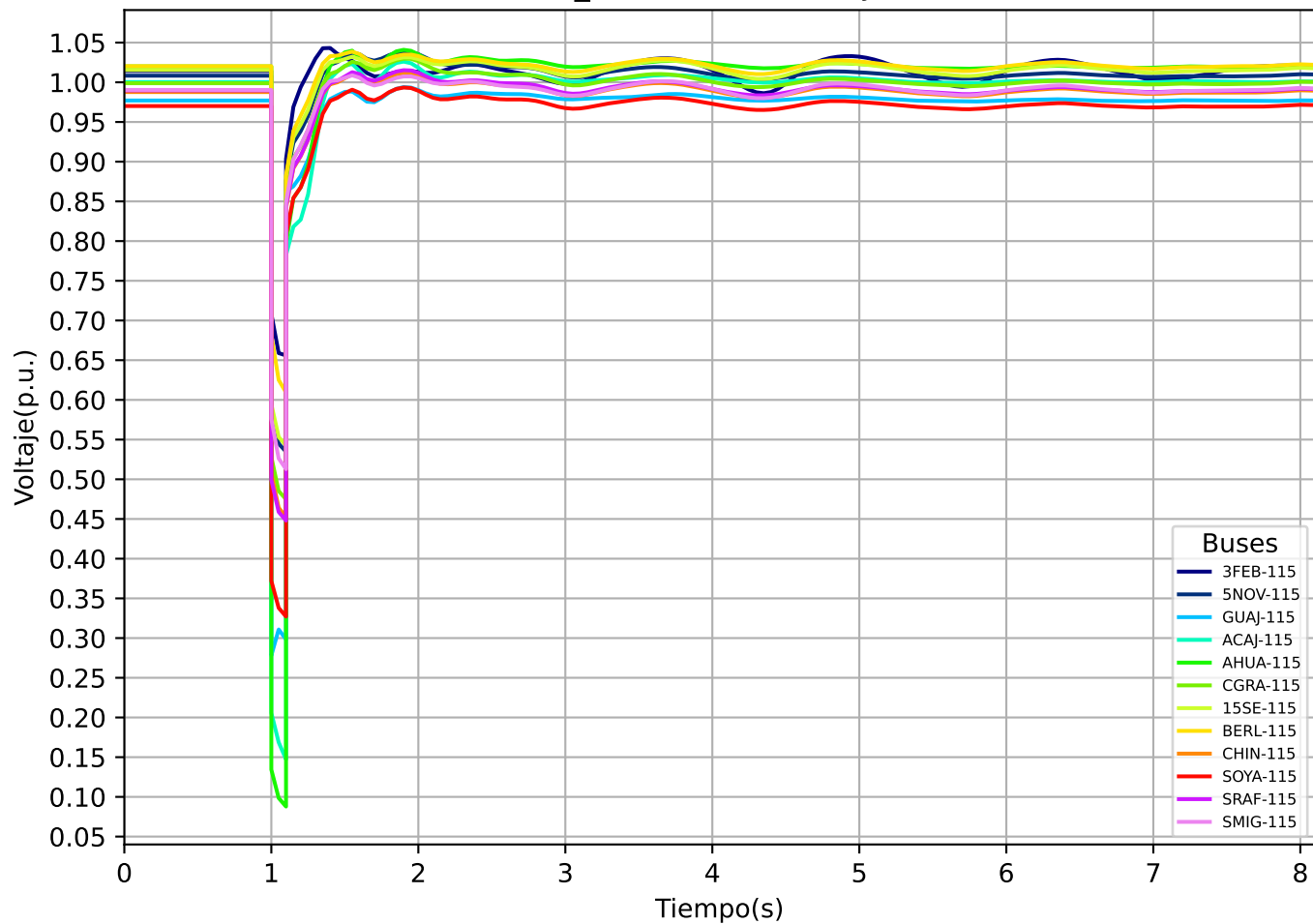
F13_15SE-NNC: FLUJO INTERCONEXIONES ESA-HON



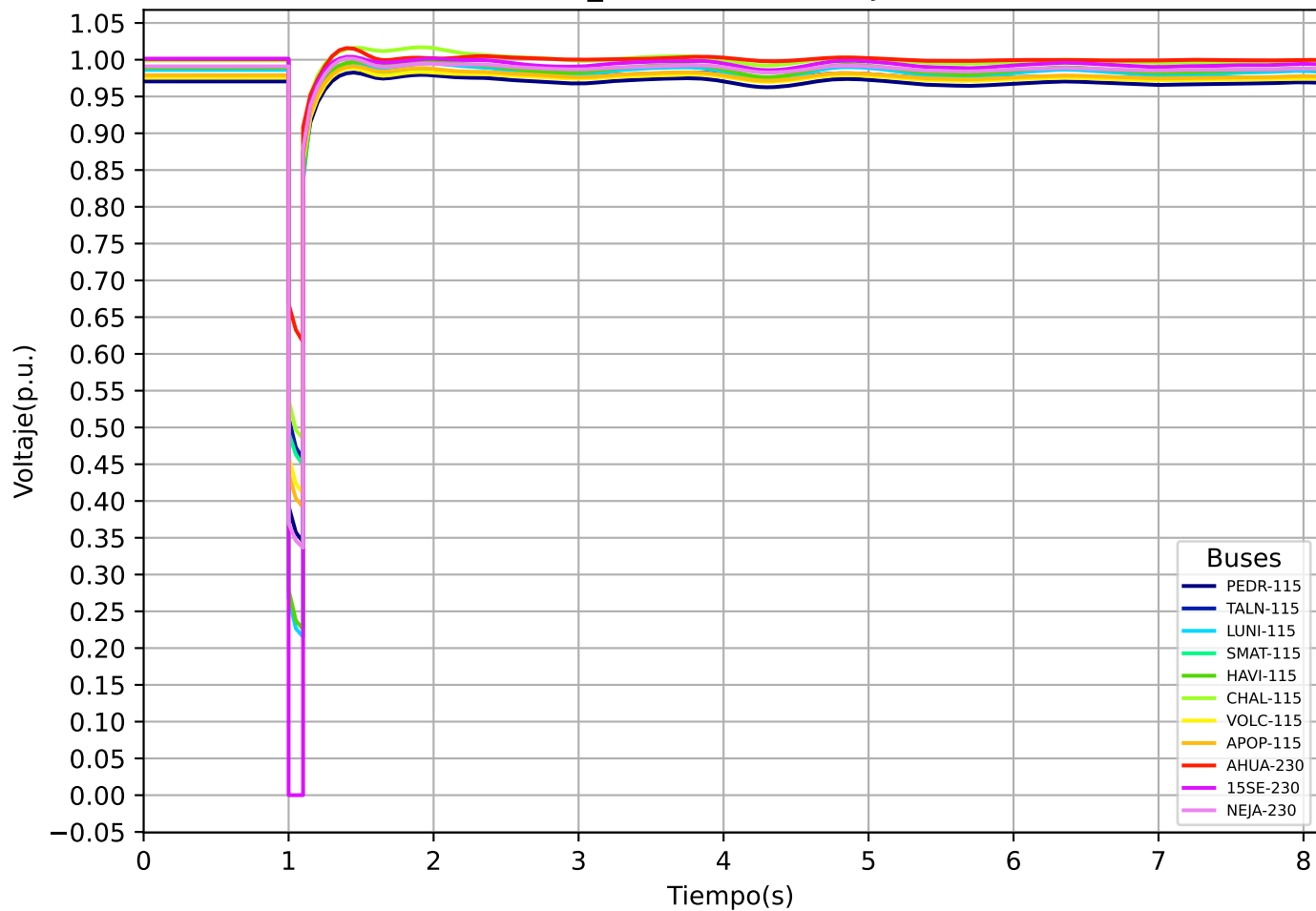
F13_15SE-NNC: VOLTAJE 1



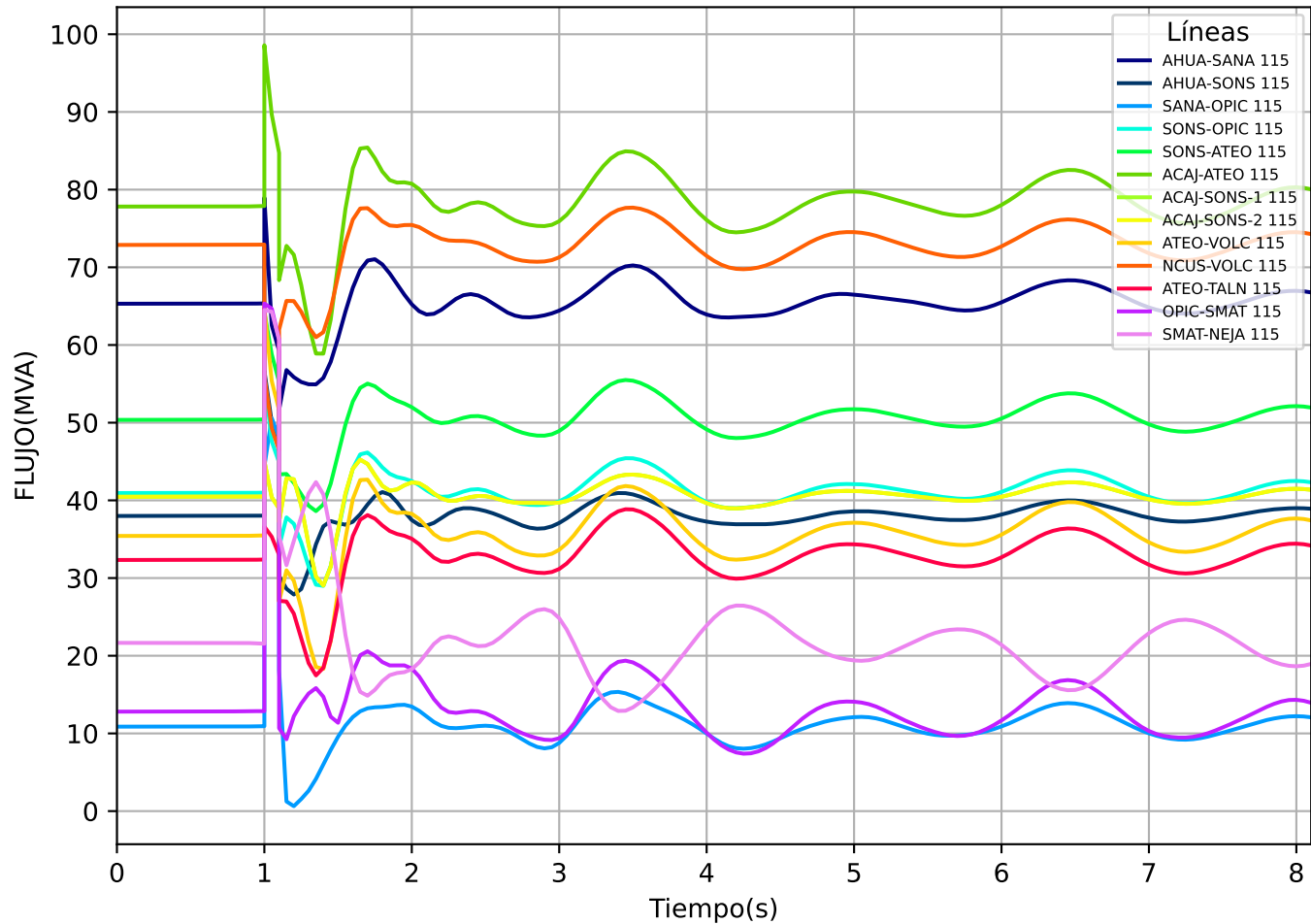
F11_AHUA-LVG: VOLTAJE 1



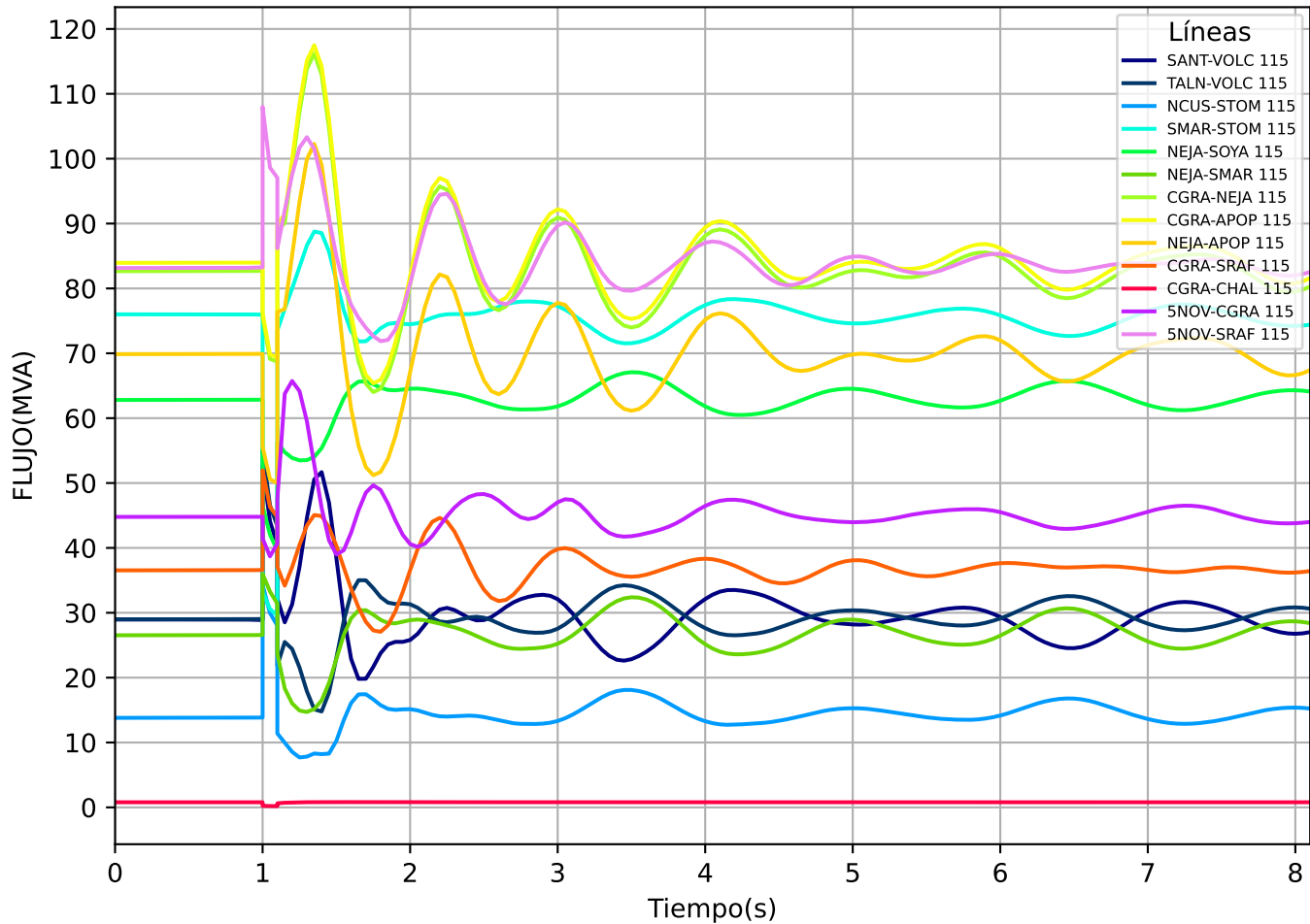
F13_15SE-NNC: VOLTAJE 3



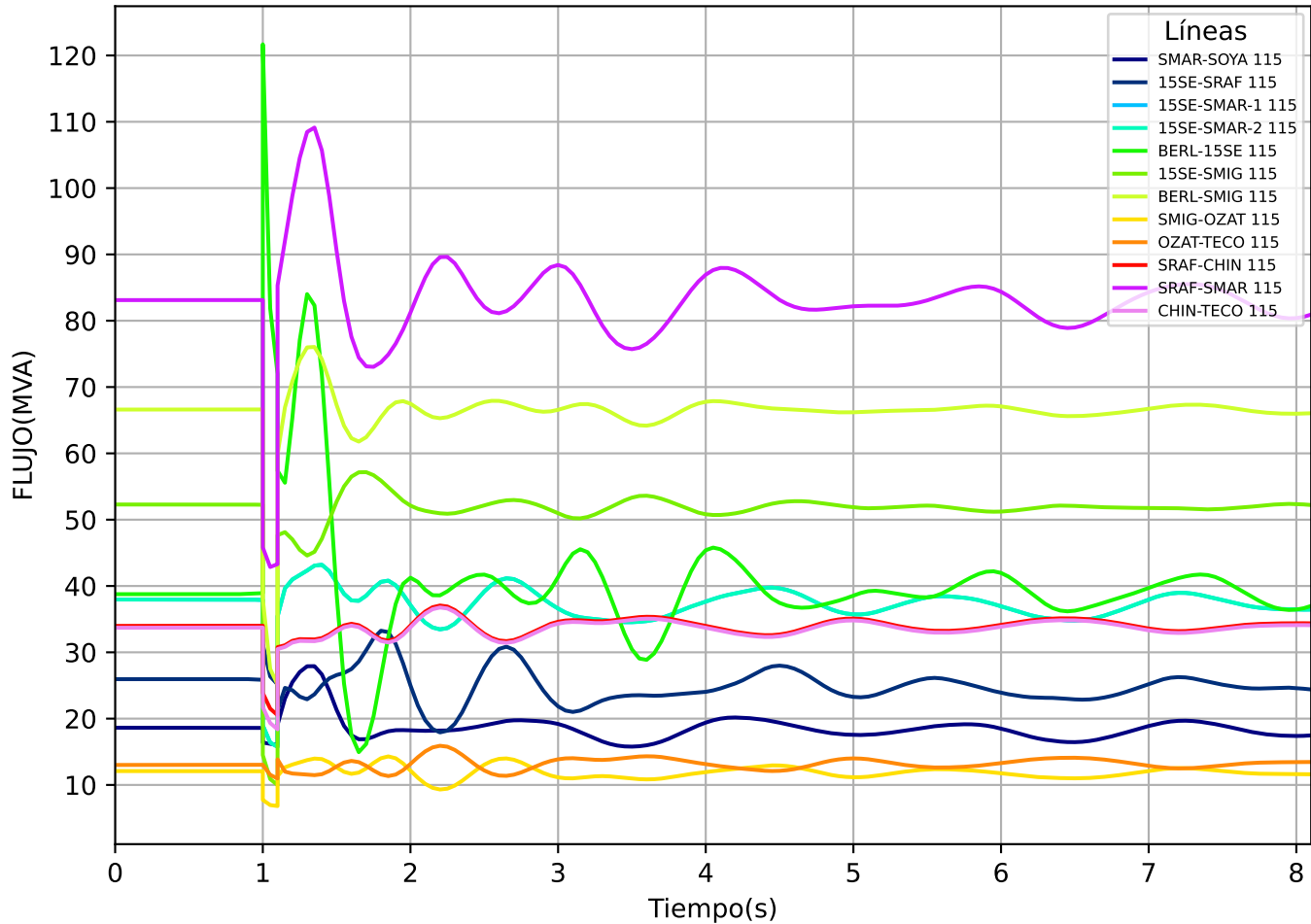
F13_15SE-NNC: FLUJO L-115kV 1



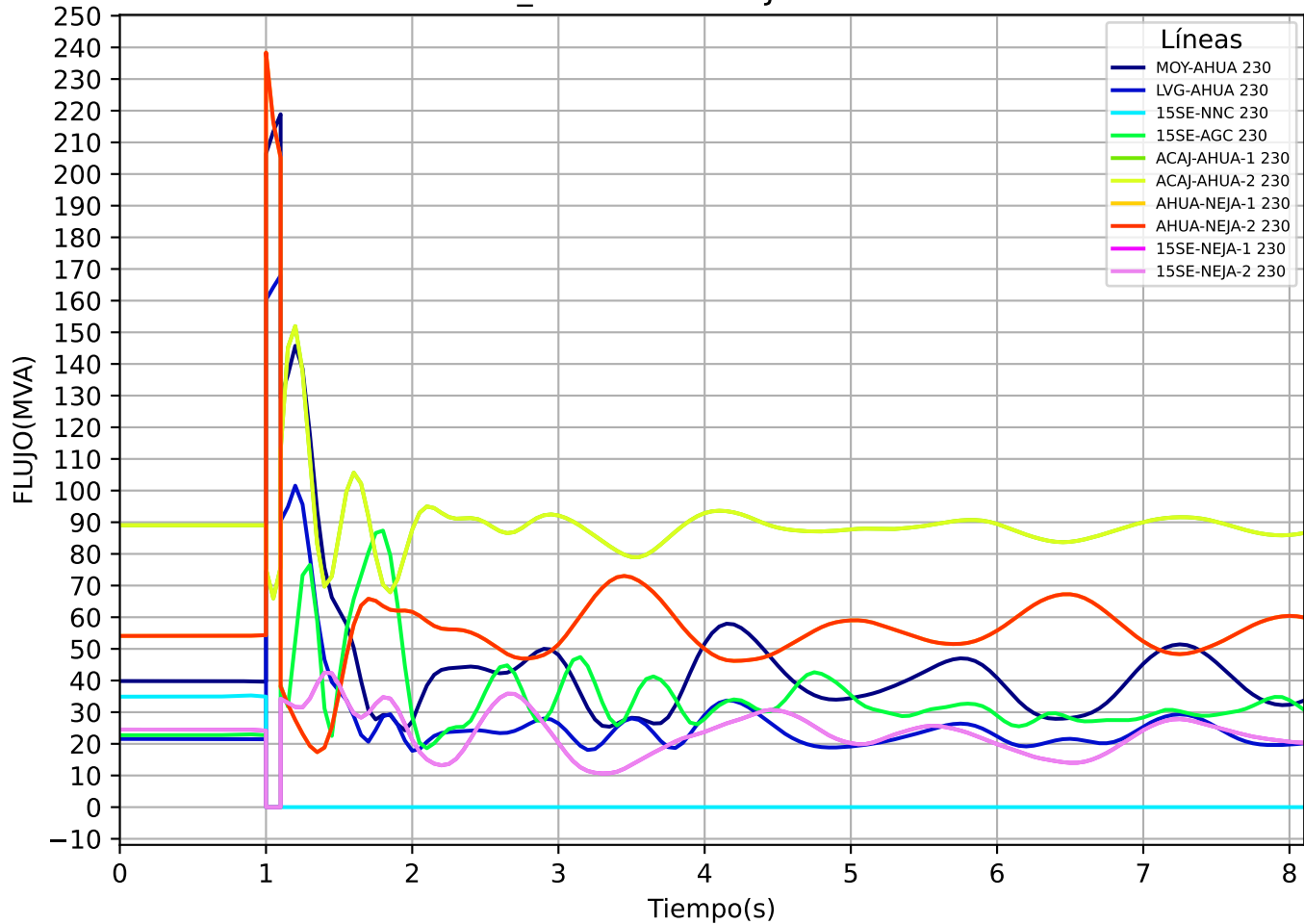
F13_15SE-NNC: FLUJO L-115kV 2



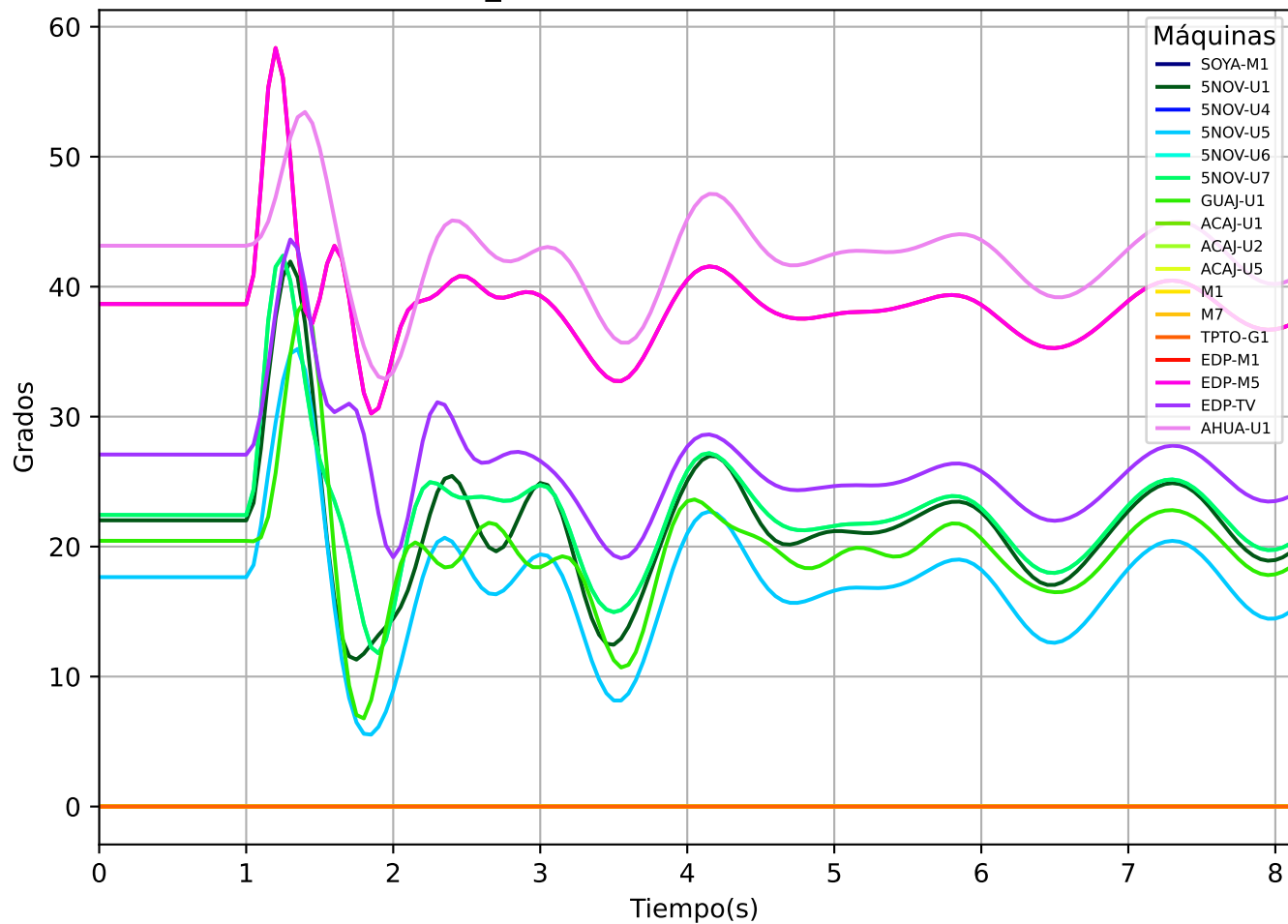
F13_15SE-NNC: FLUJO L-115kV 3



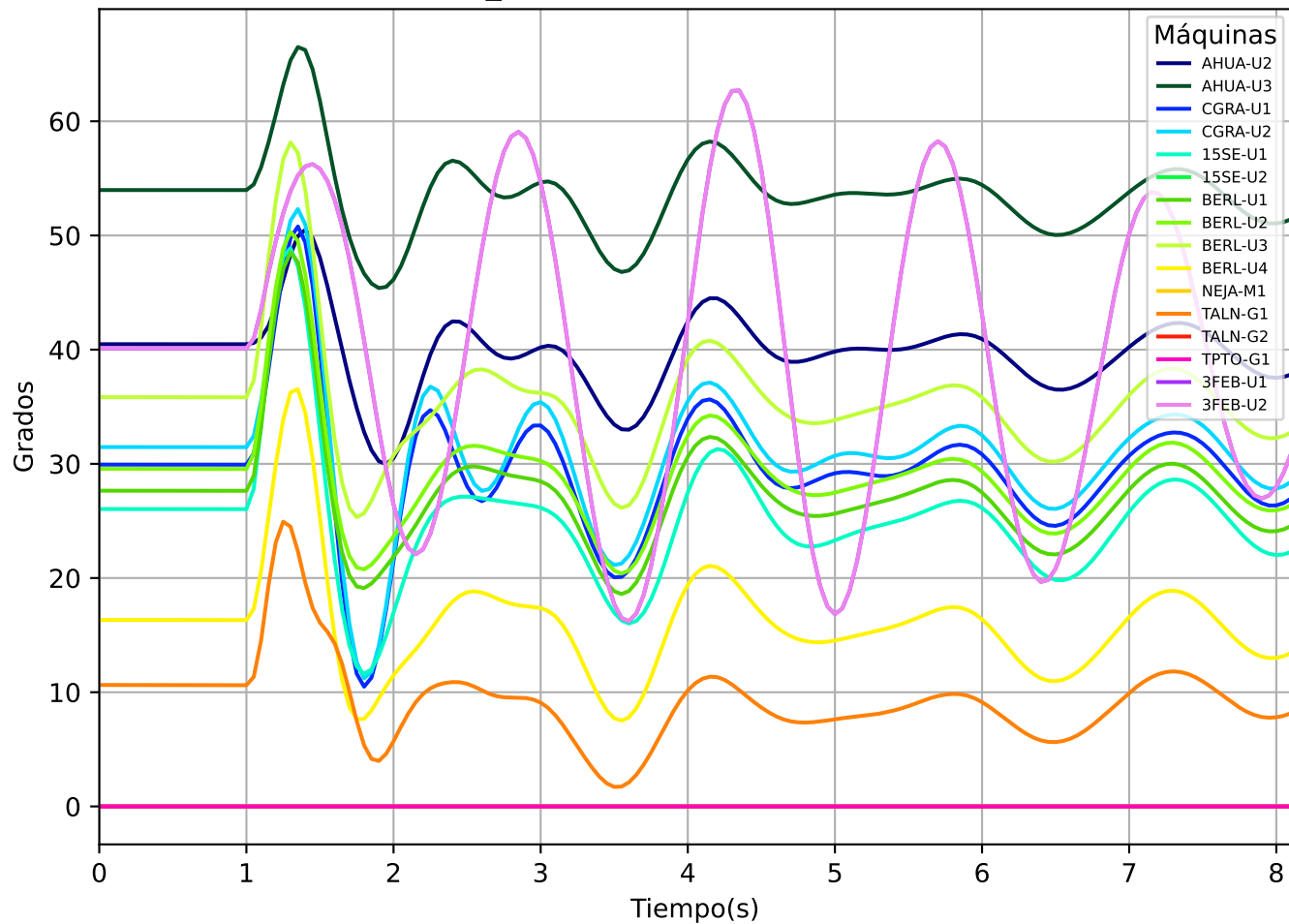
F13_15SE-NNC: FLUJO L-230kV 4



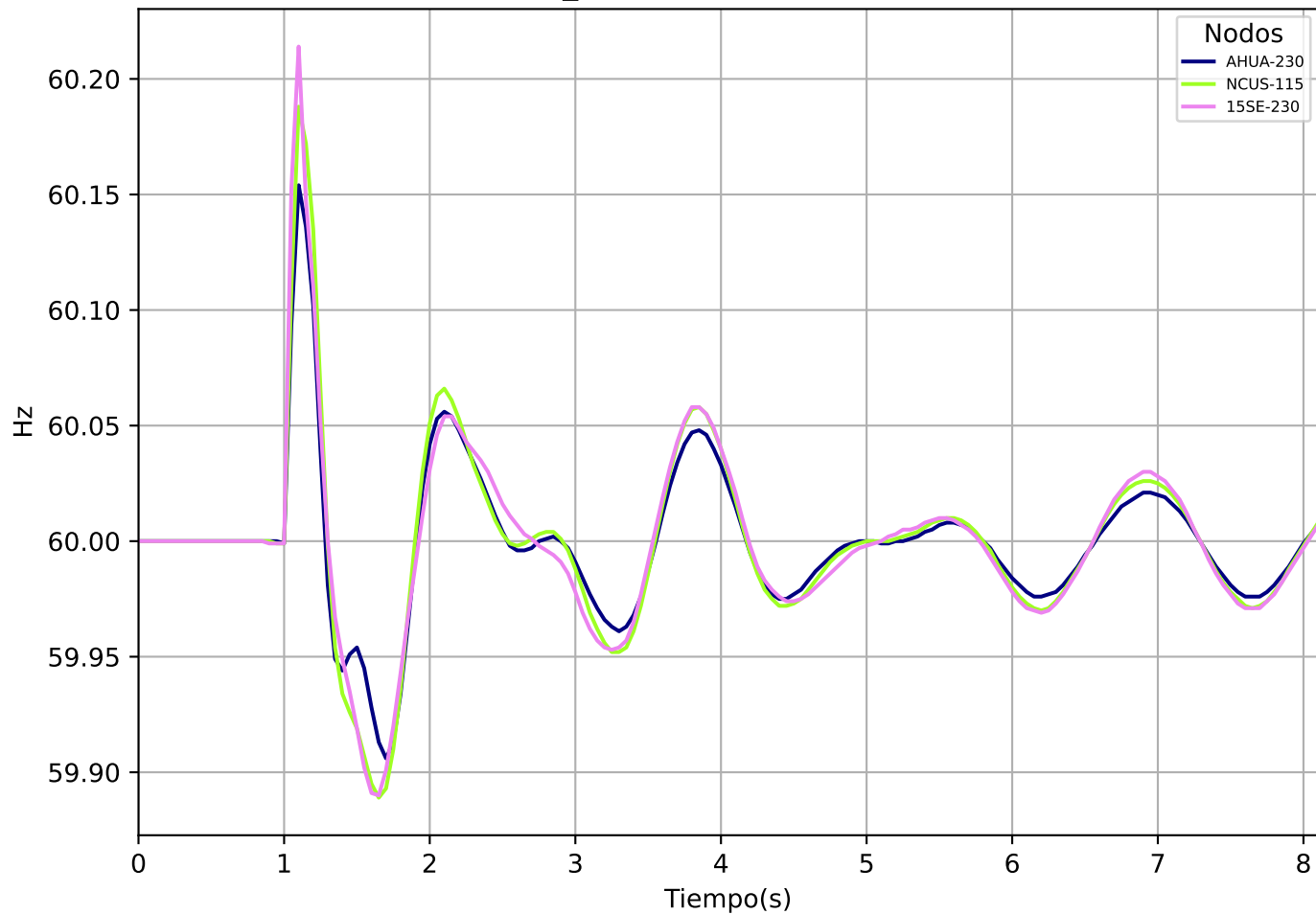
F13_15SE-NNC: ANGULO ROTOR 1



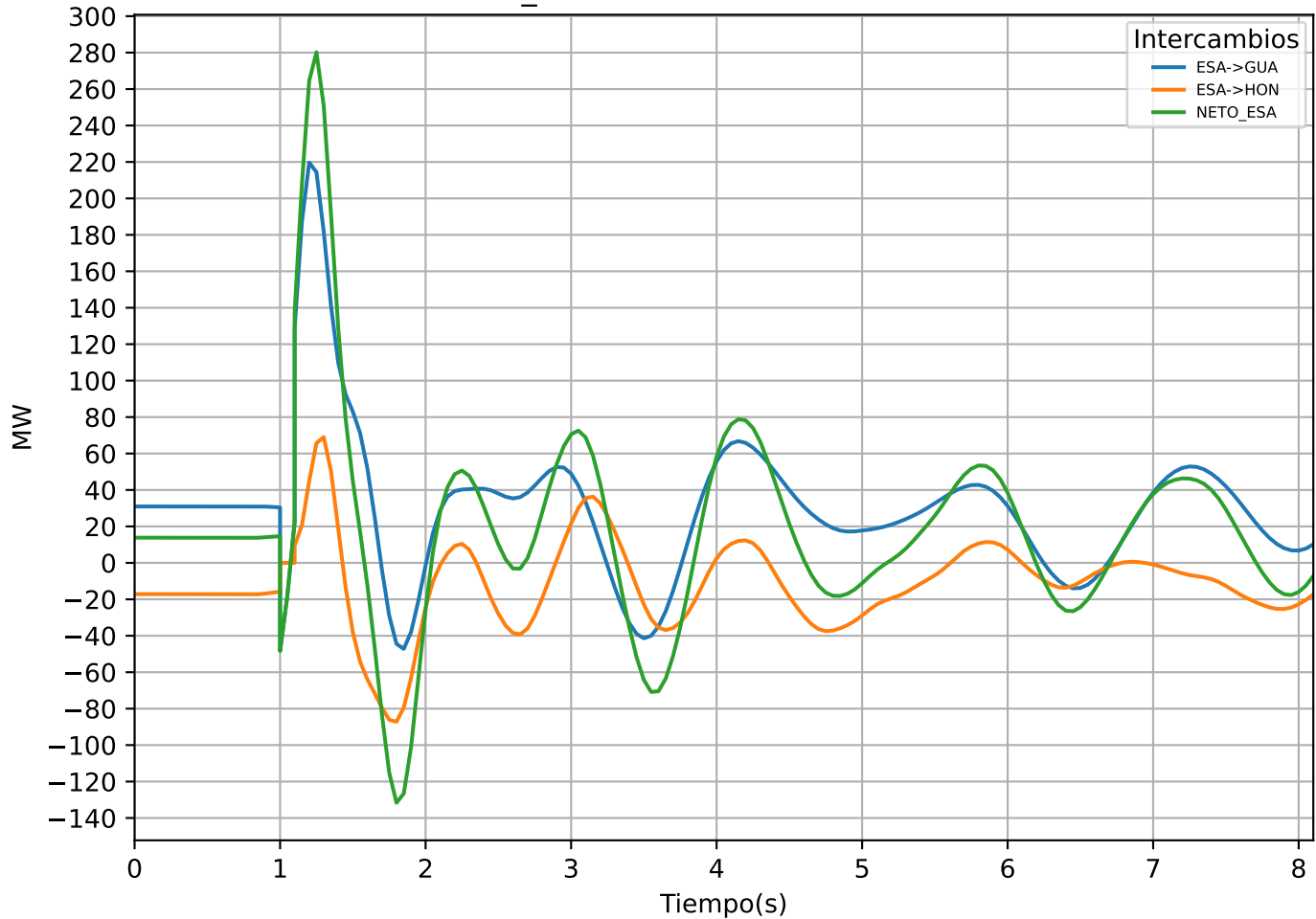
F13_15SE-NNC: ANGULO ROTOR 2



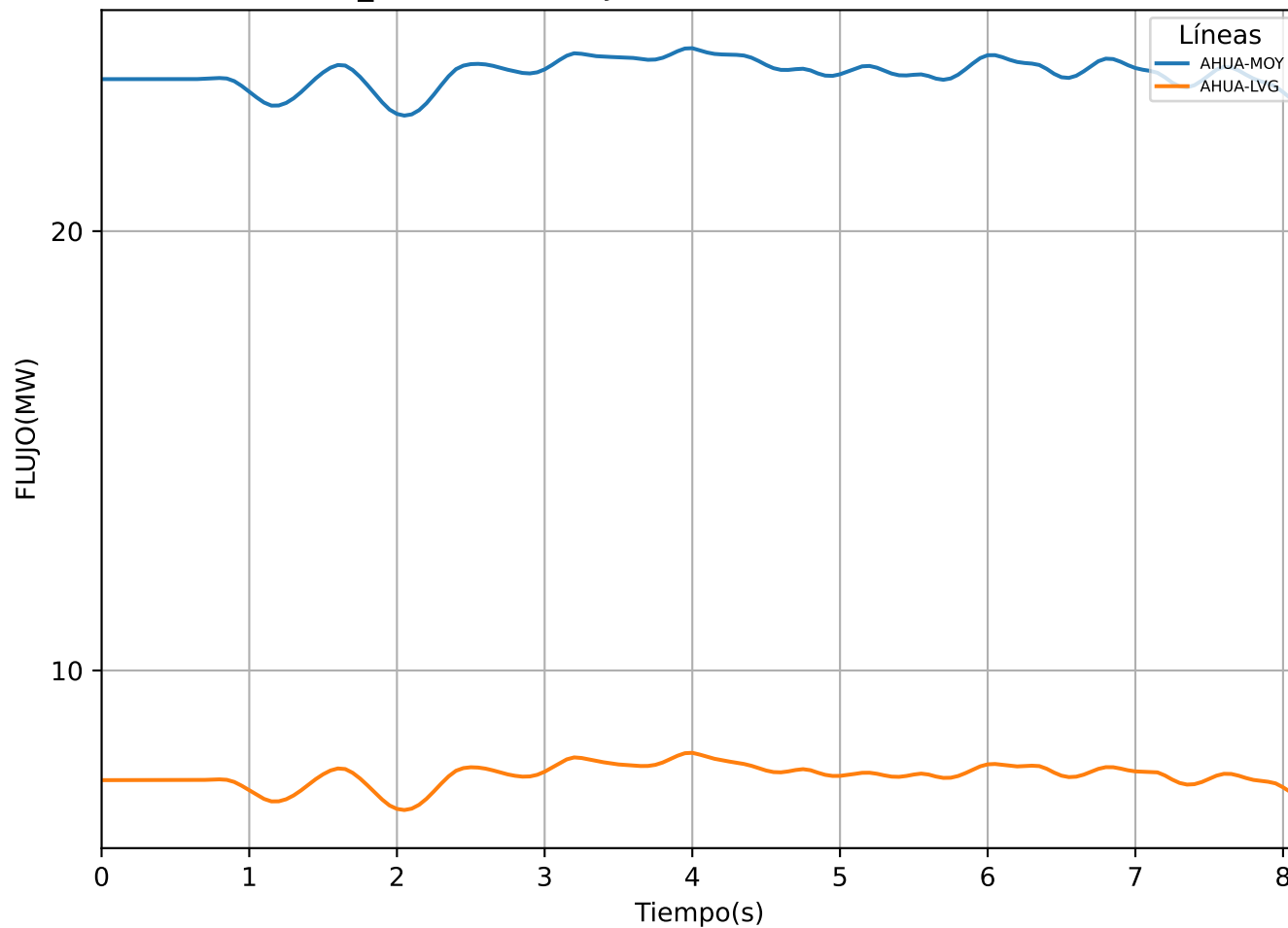
F13_15SE-NNC: FRECUENCIA



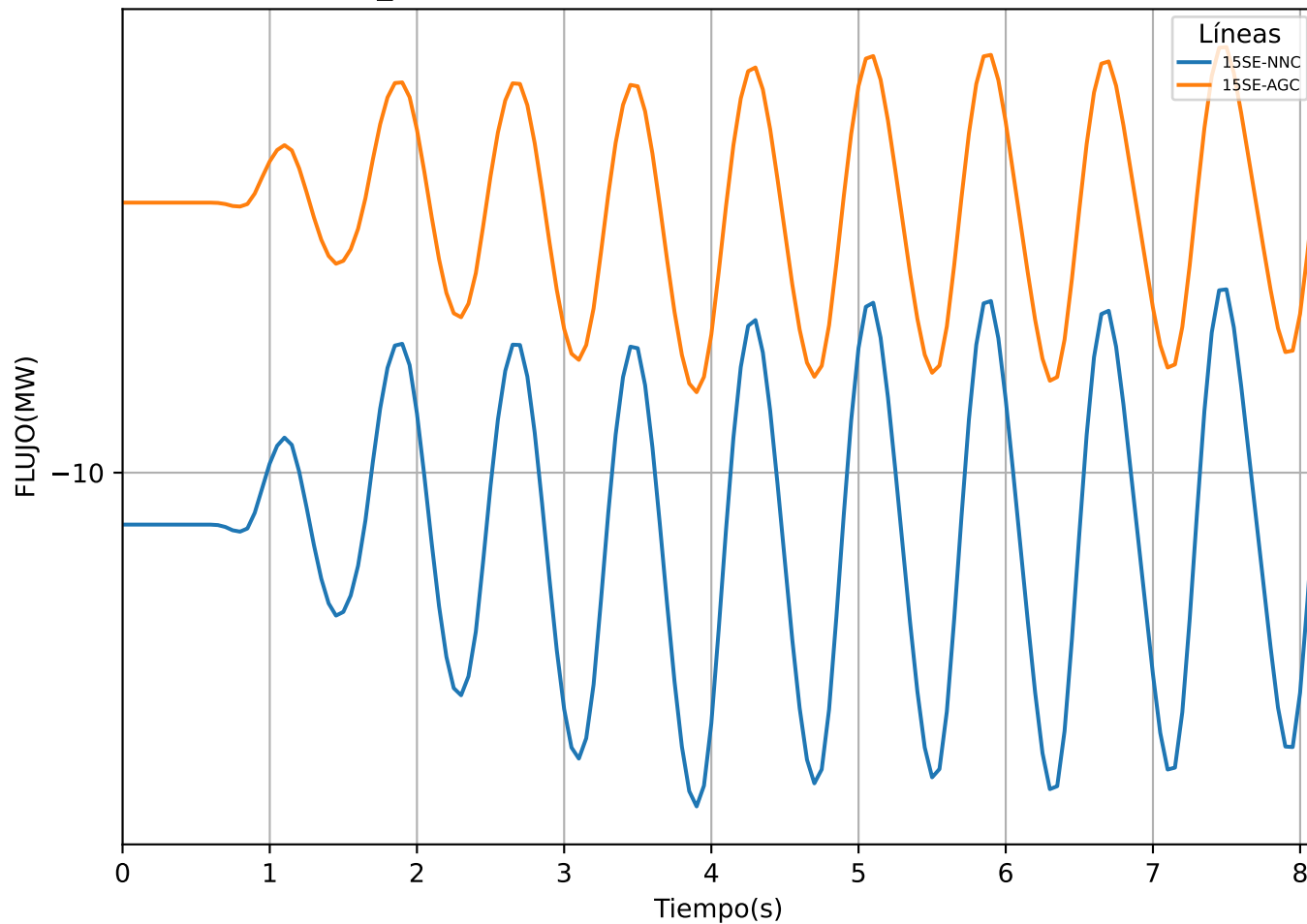
F13_15SE-NNC: Intercambios ESA



F14_15SE-AGC: FLUJO INTERCONEXIONES ESA-GUA

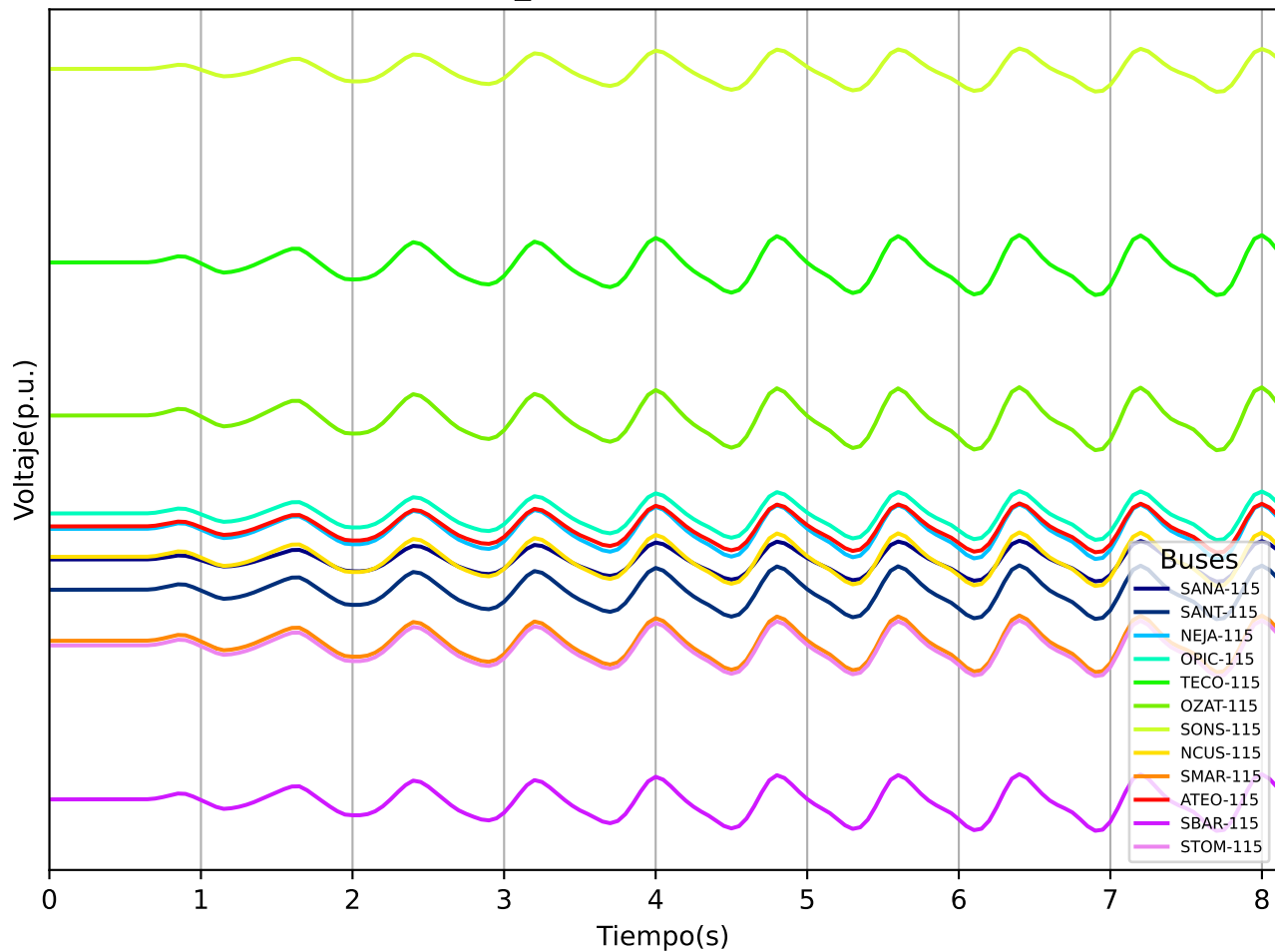


F14_15SE-AGC: FLUJO INTERCONEXIONES ESA-HON

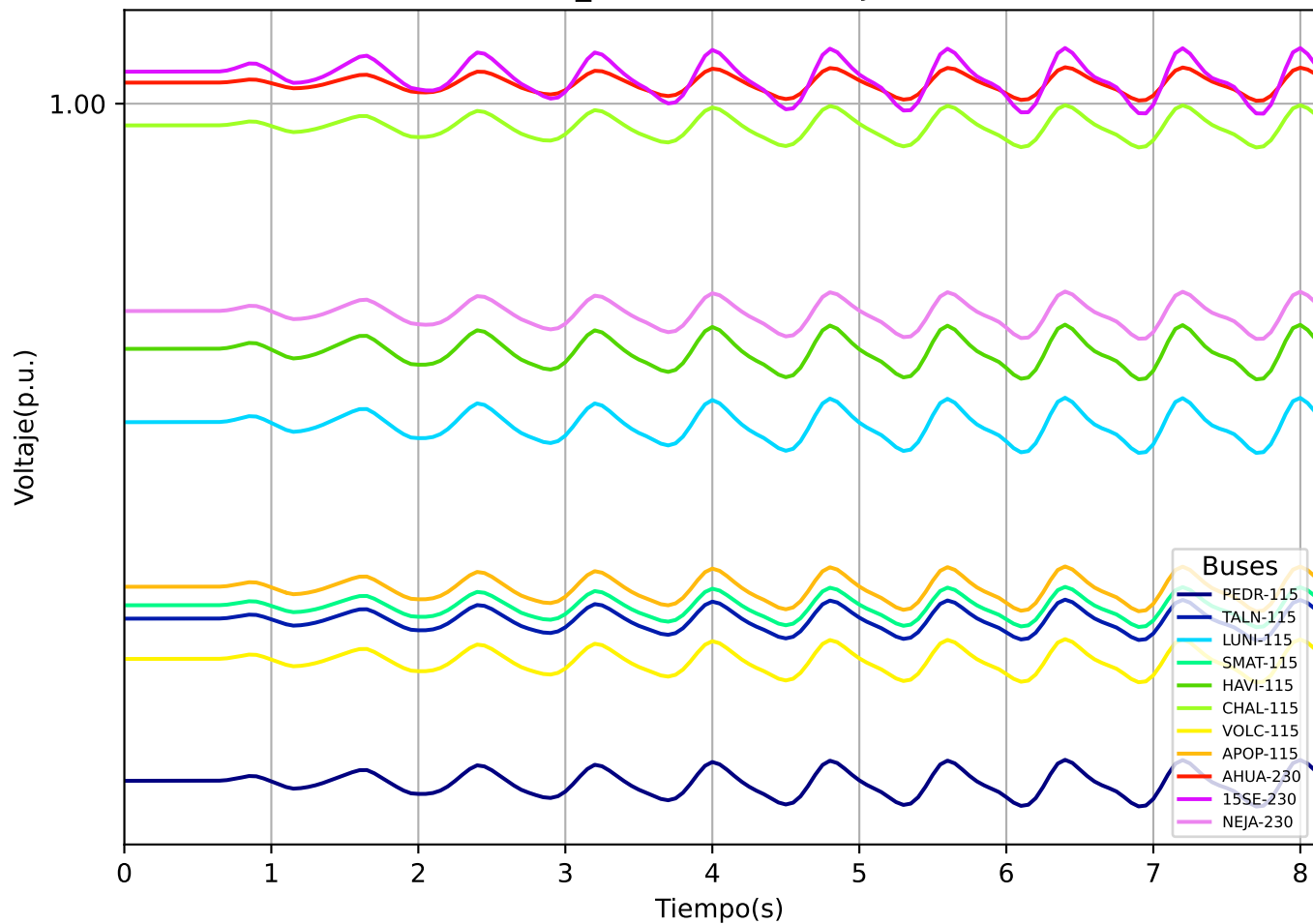


Voltaje(p.u.) 1.00

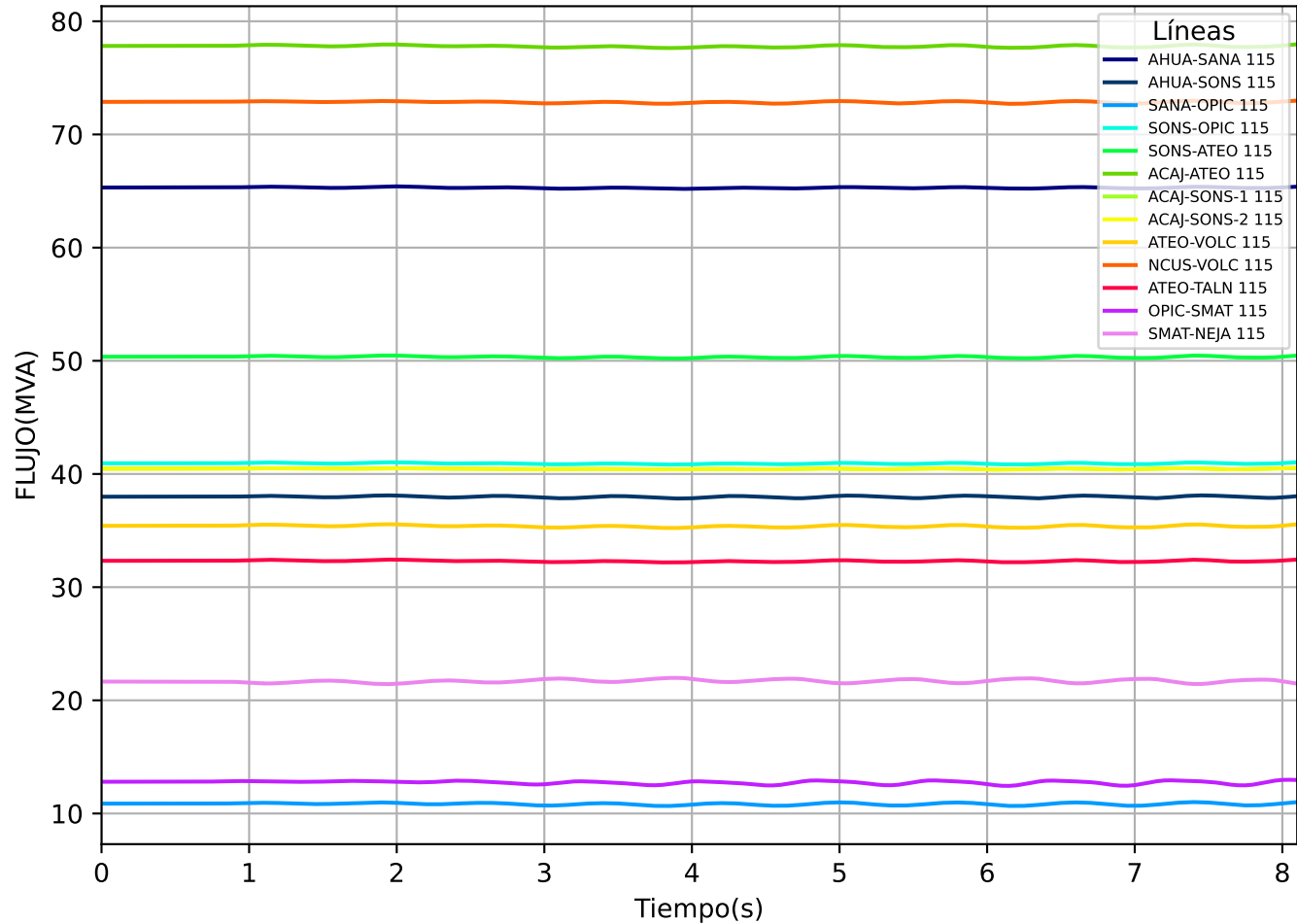
F14_15SE-AGC: VOLTAJE 2



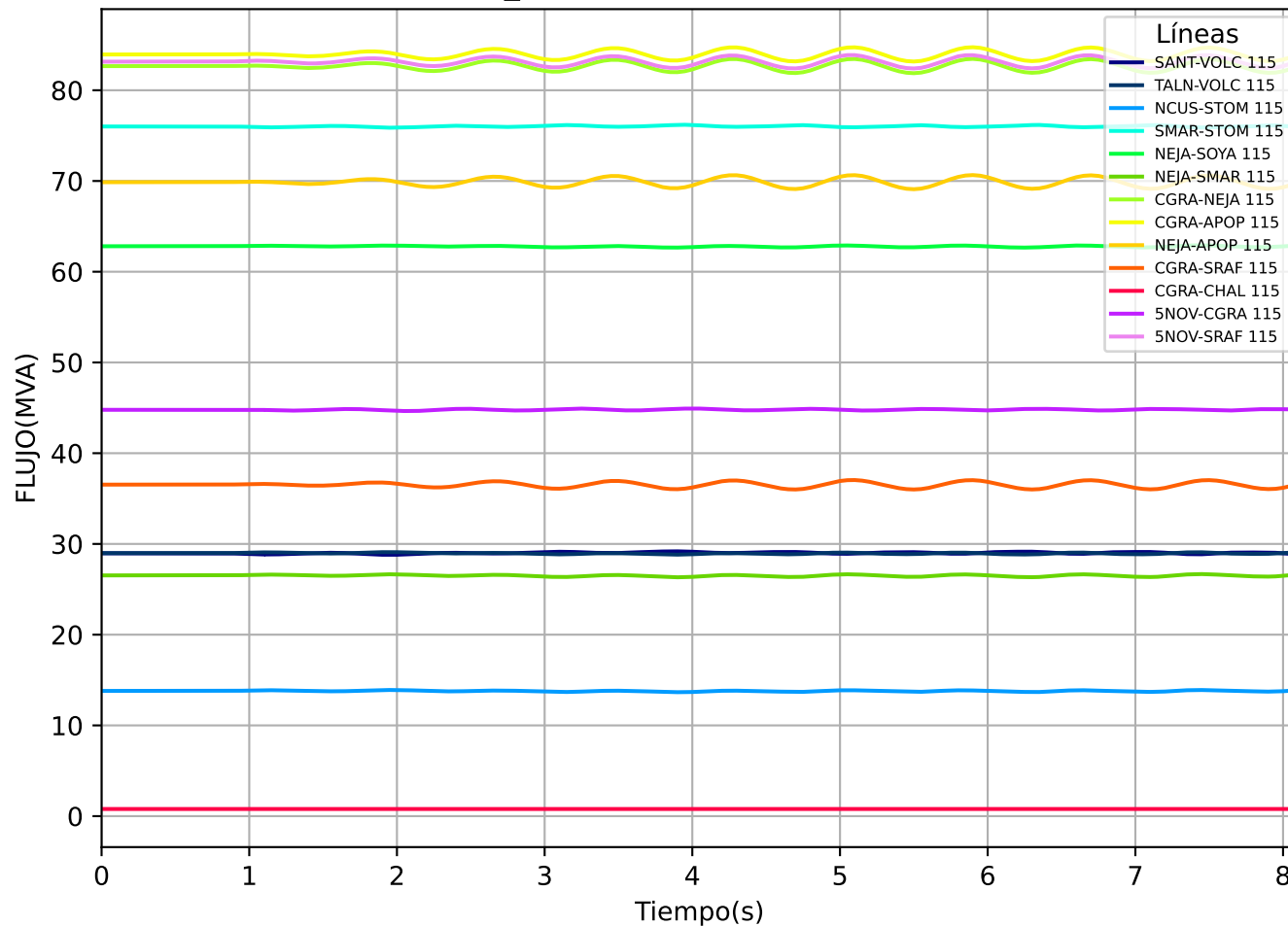
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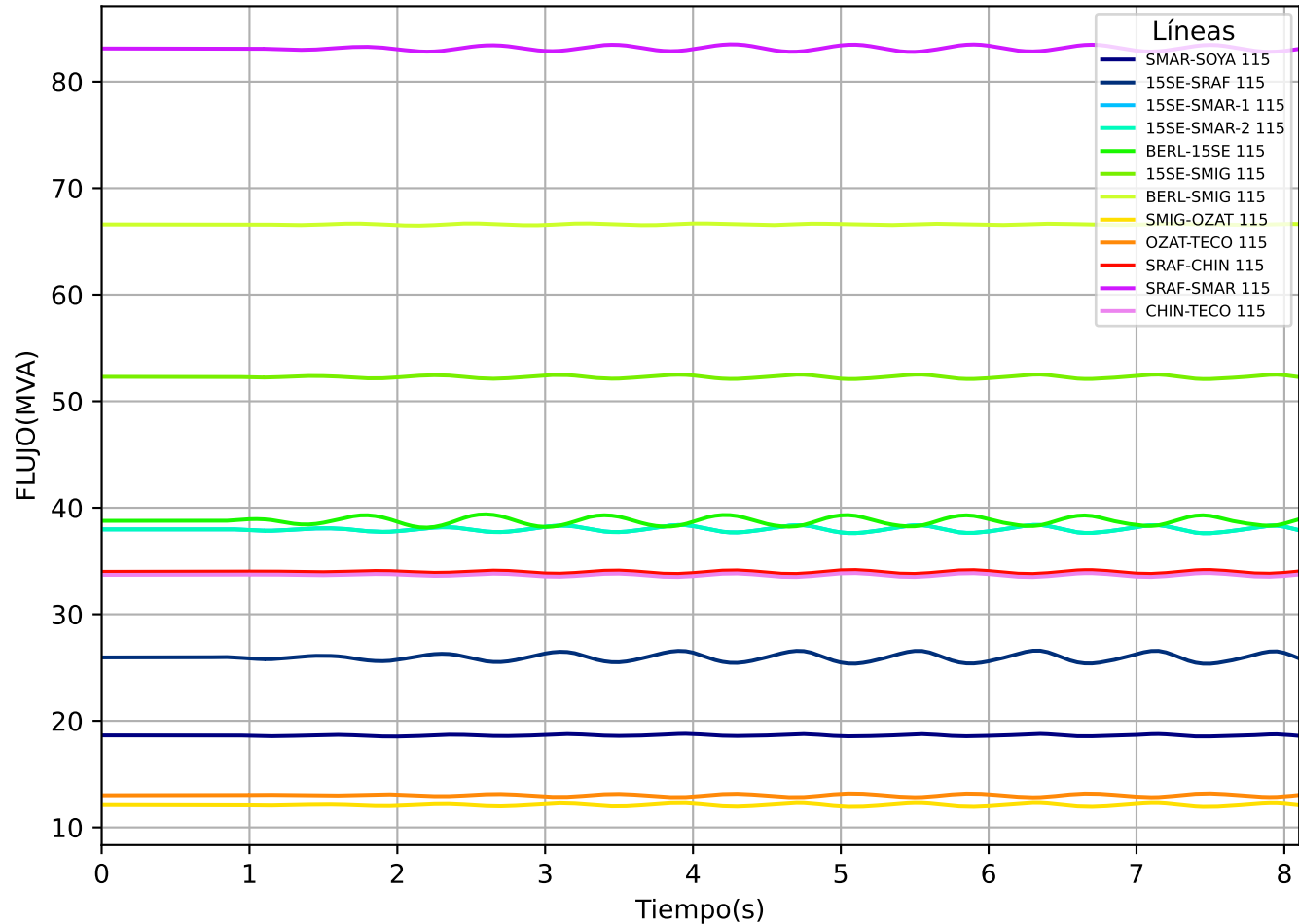
F14_15SE-AGC: FLUJO L-115kV 1



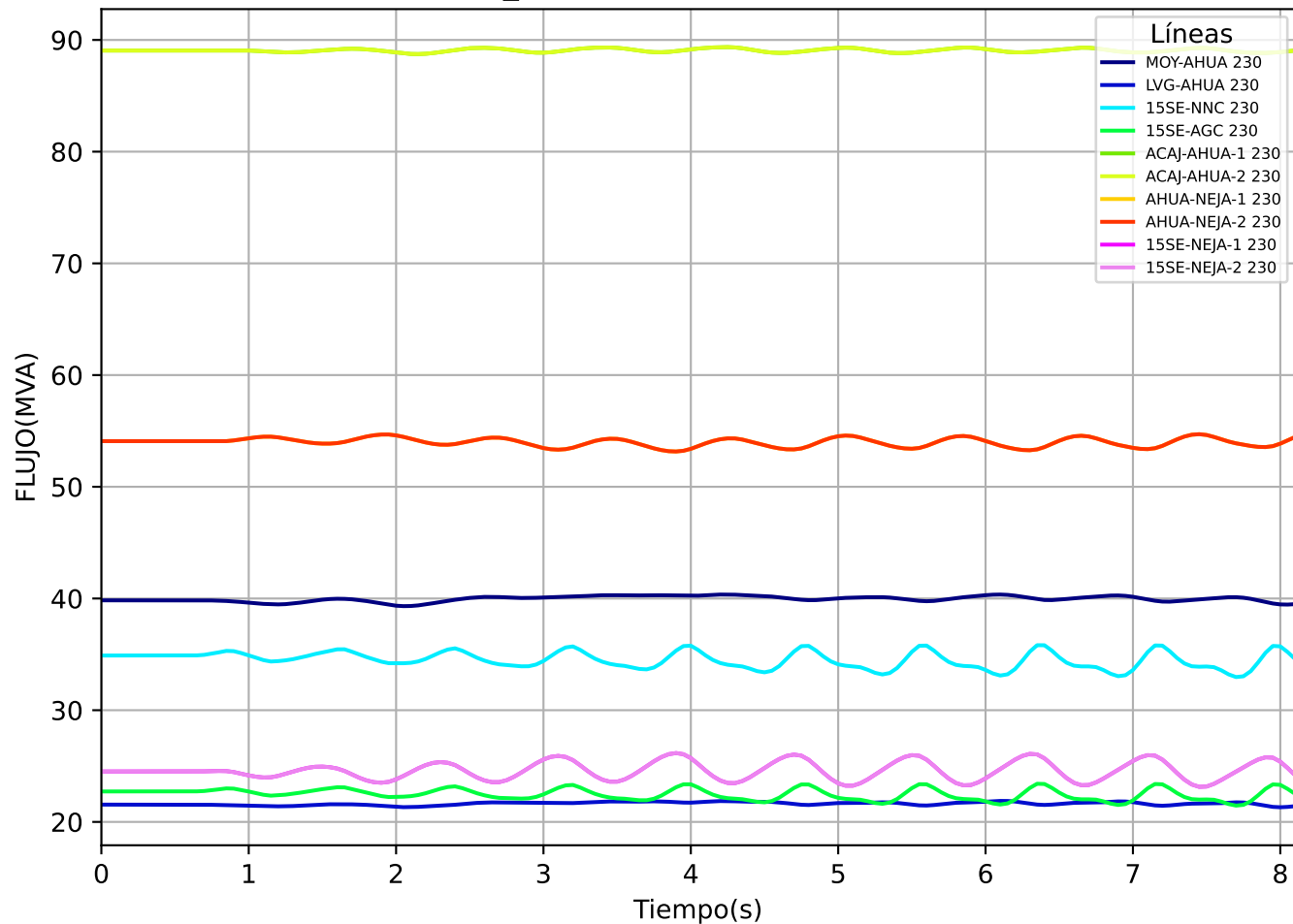
F14_15SE-AGC: FLUJO L-115kV 2



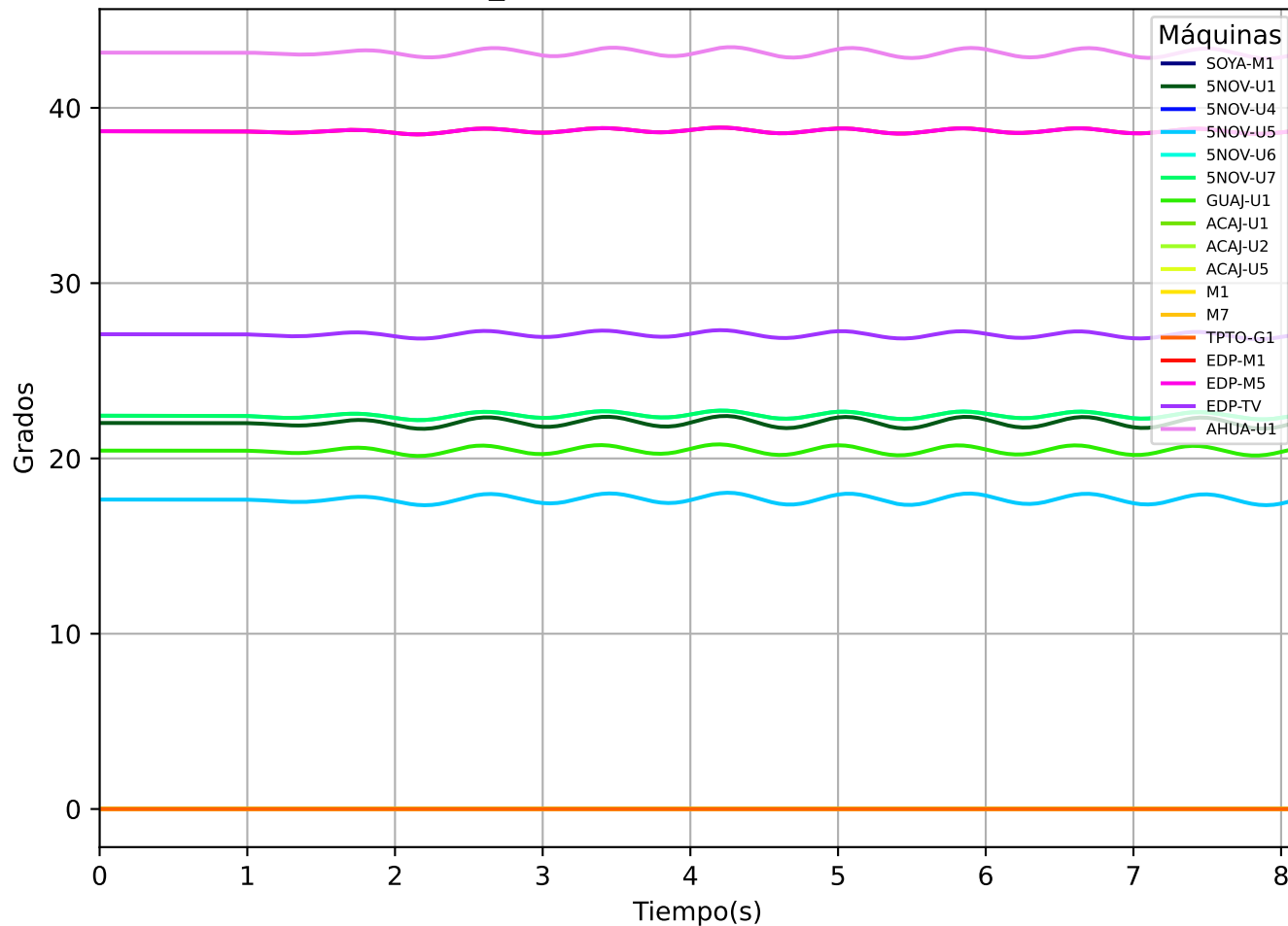
F14_15SE-AGC: FLUJO L-115kV 3



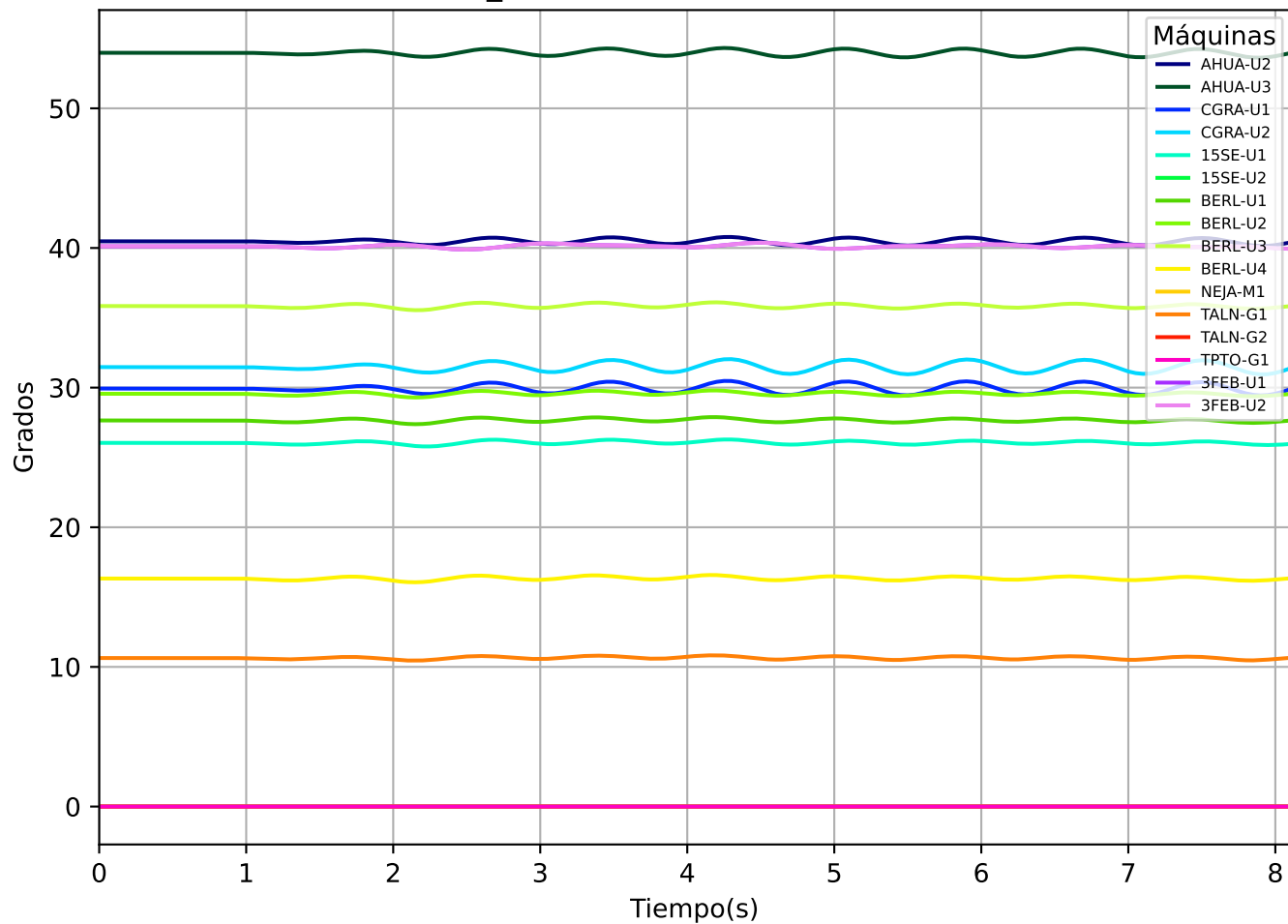
F14_15SE-AGC: FLUJO L-230kV 4



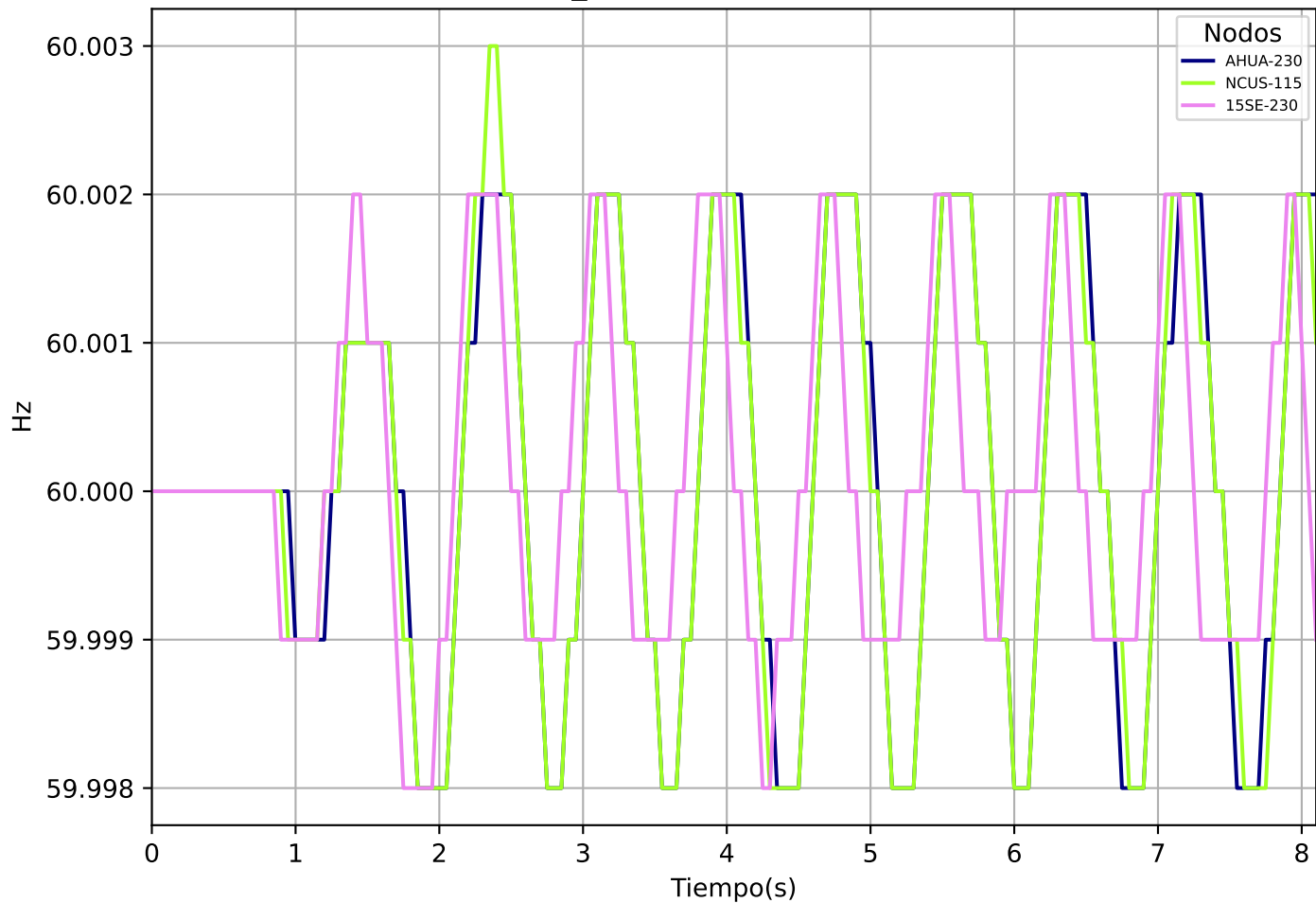
F14_15SE-AGC: ANGULO ROTOR 1



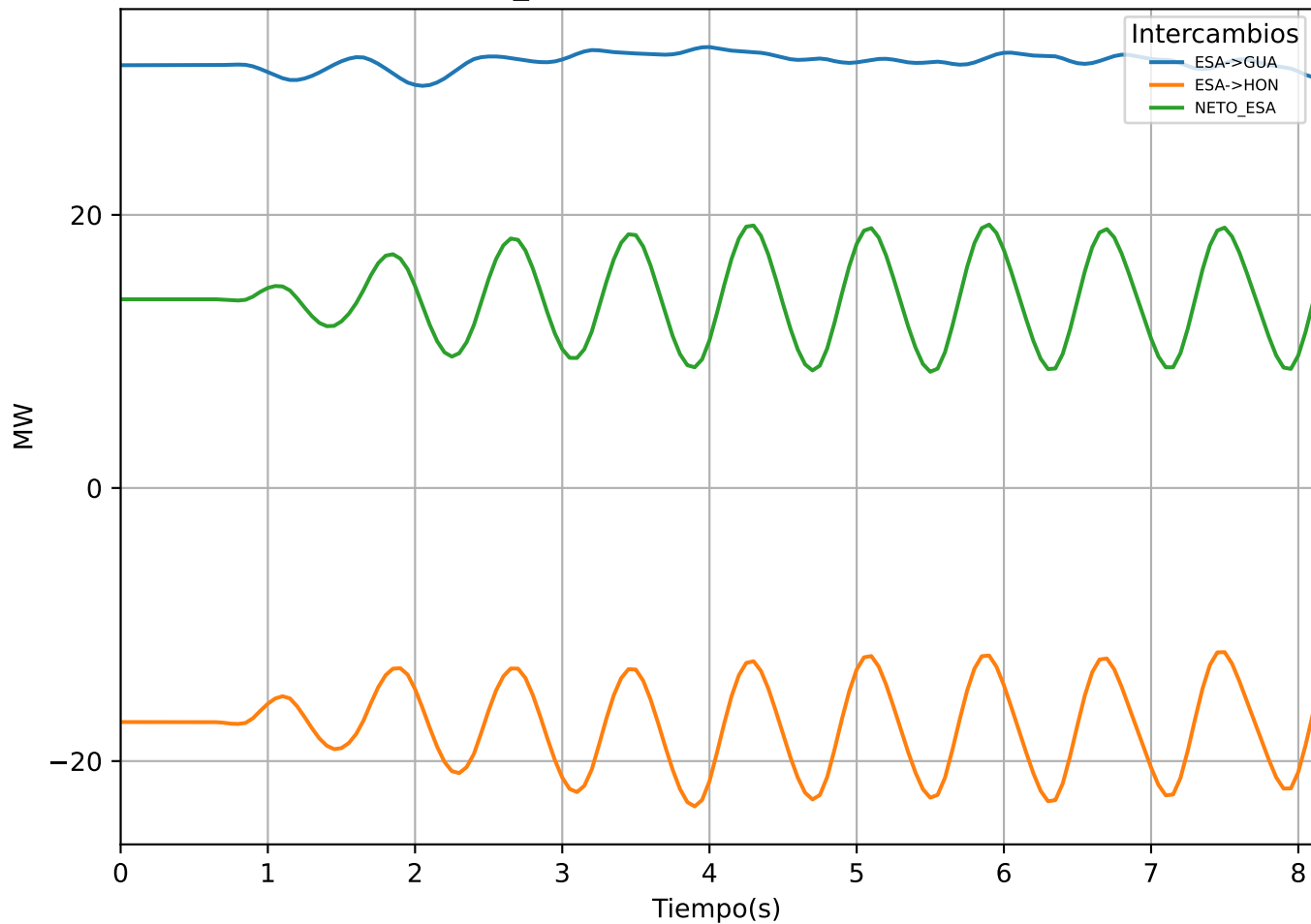
F14_15SE-AGC: ANGULO ROTOR 2



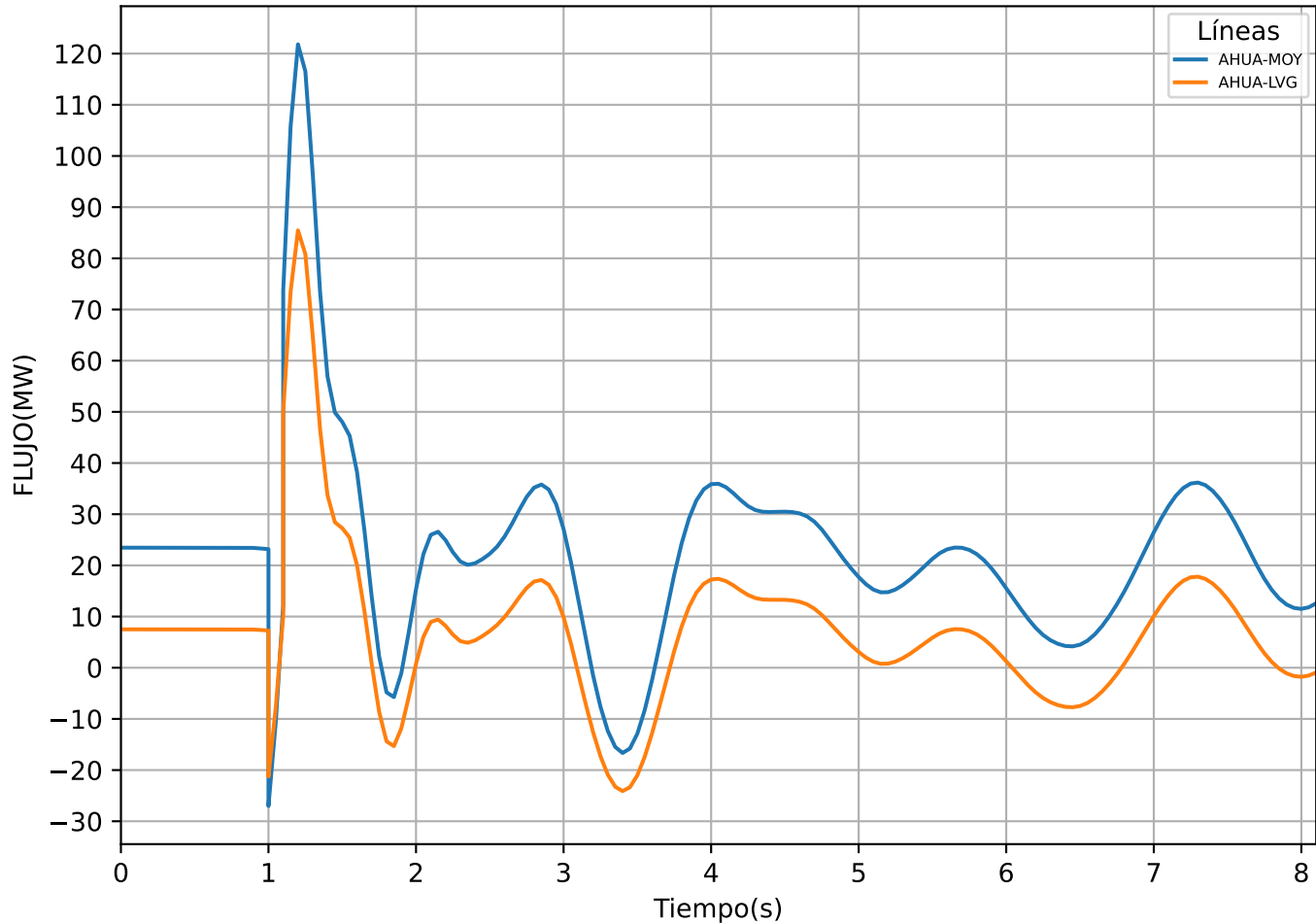
F14_15SE-AGC: FRECUENCIA



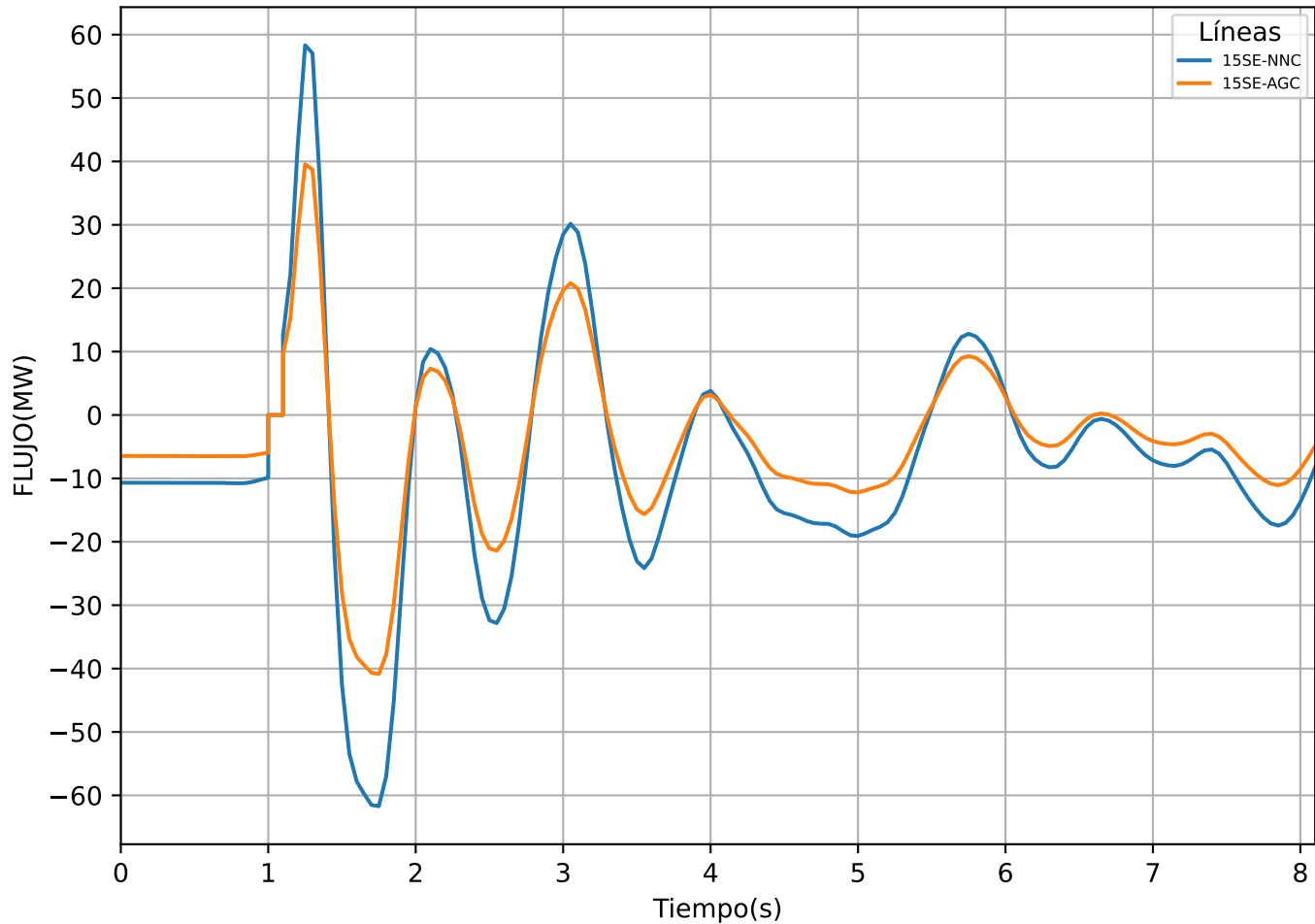
F14_15SE-AGC: Intercambios ESA



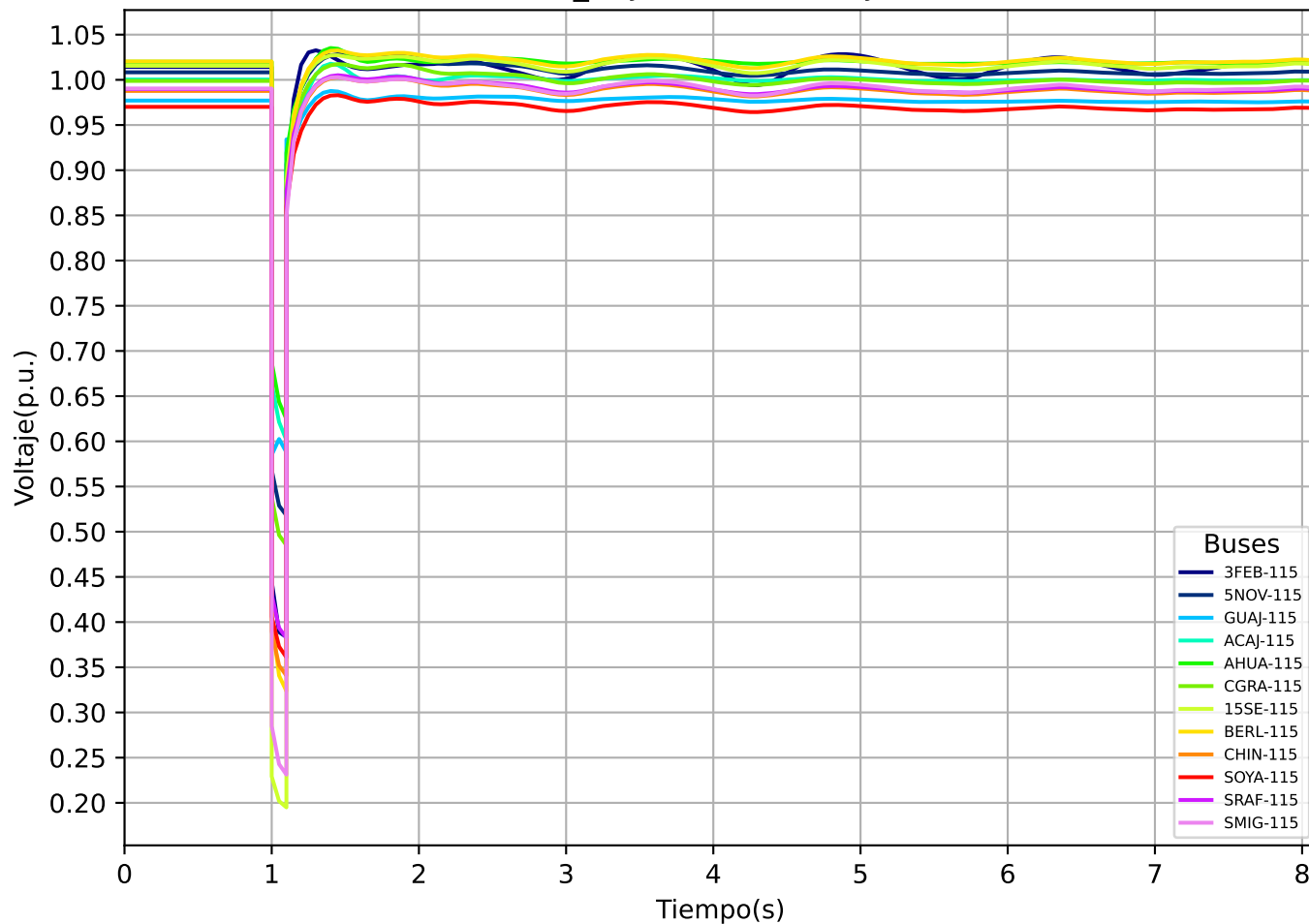
F15_NEJA-15SE: FLUJO INTERCONEXIONES ESA-GUA



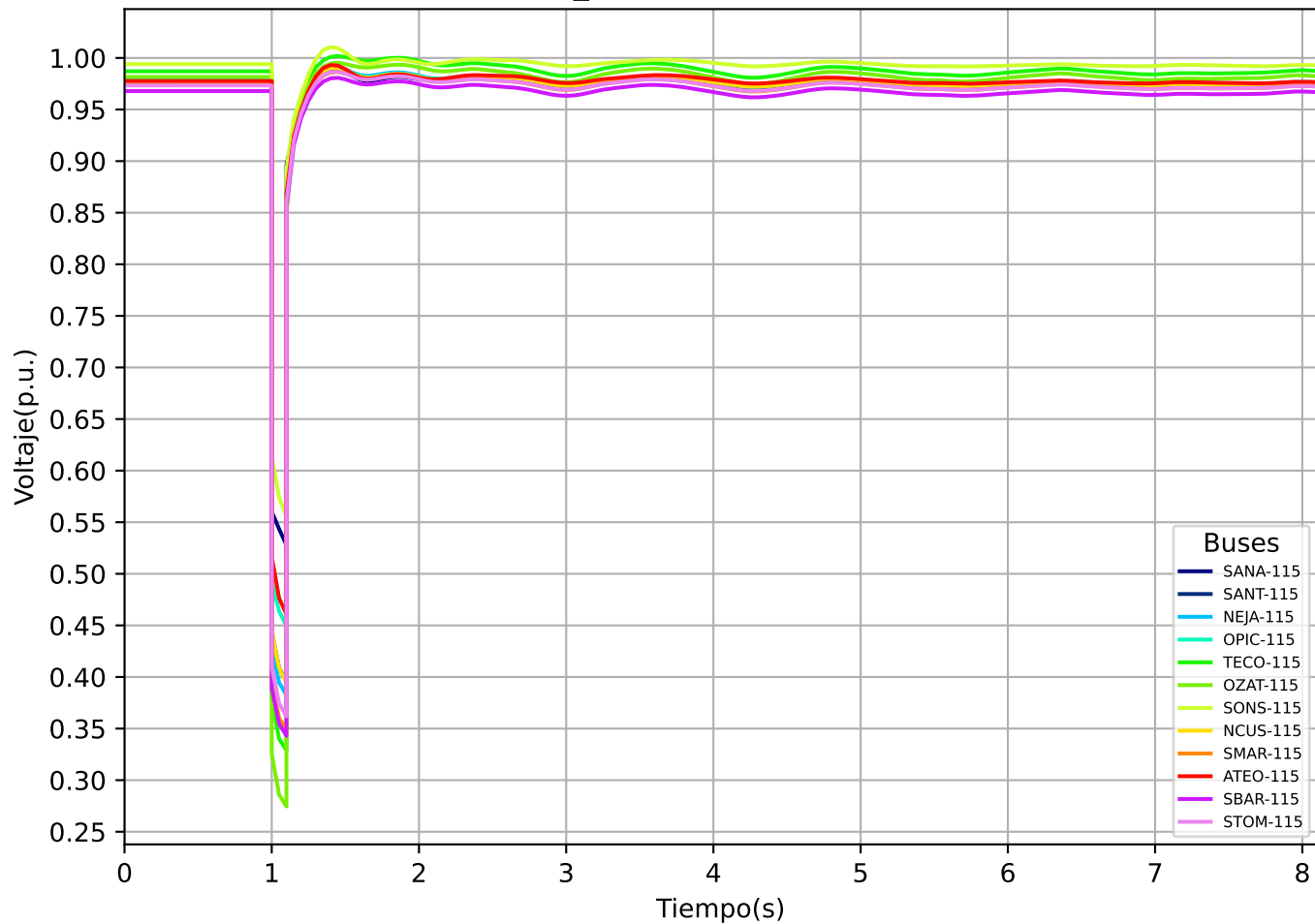
F15_NEJA-15SE: FLUJO INTERCONEXIONES ESA-HON



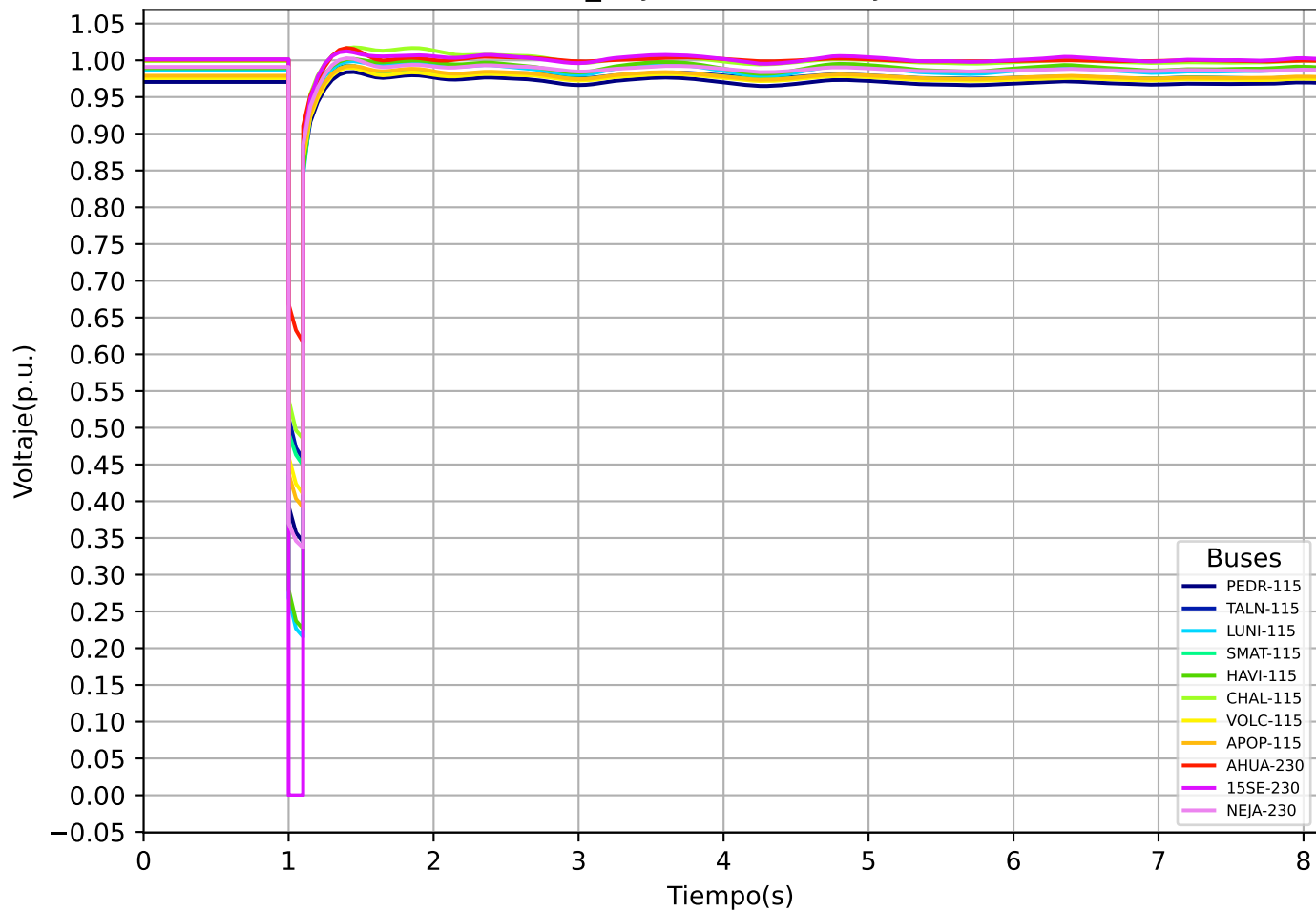
F15_NEJA-15SE: VOLTAJE 1



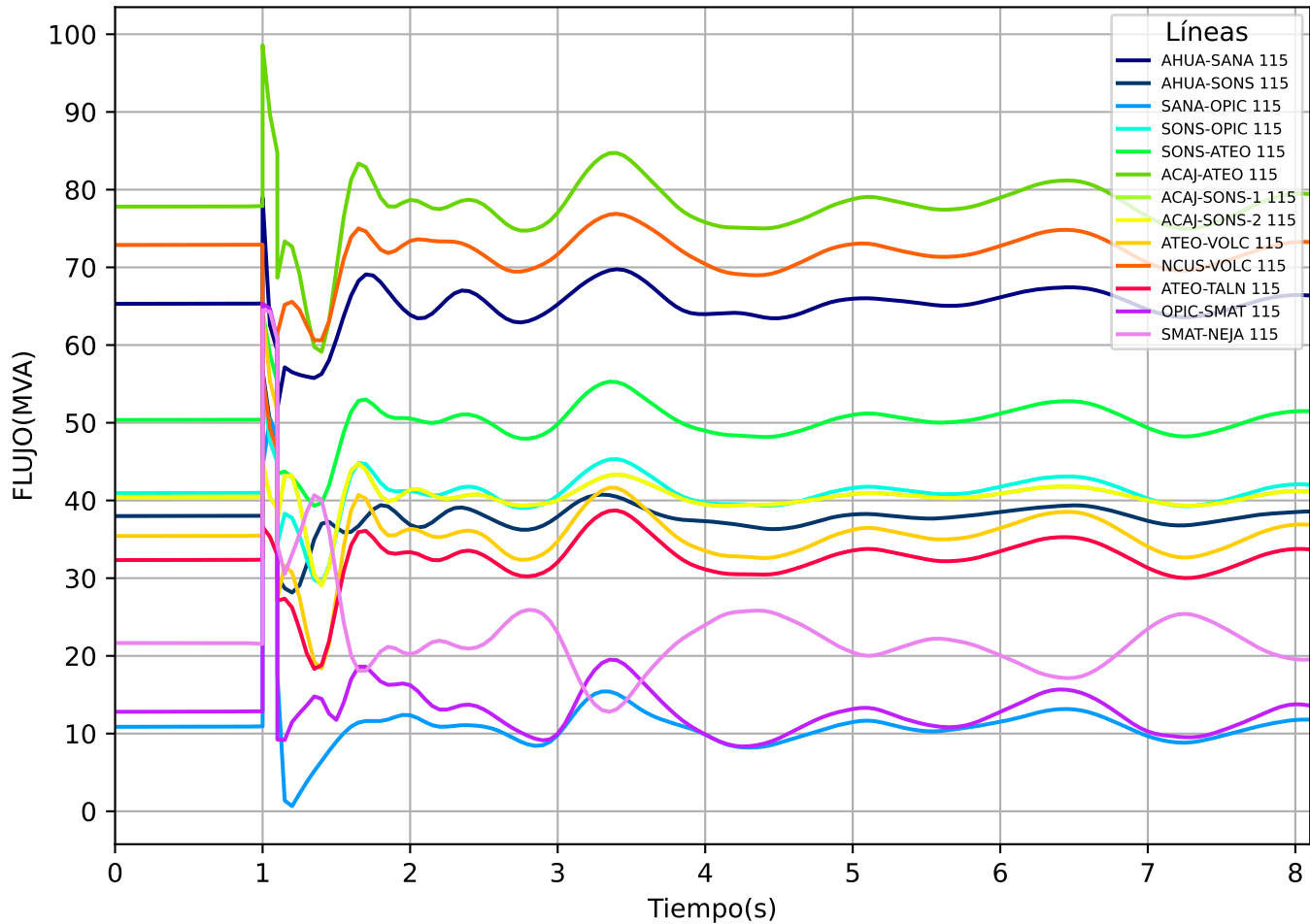
F15_NEJA-15SE: VOLTAJE 2



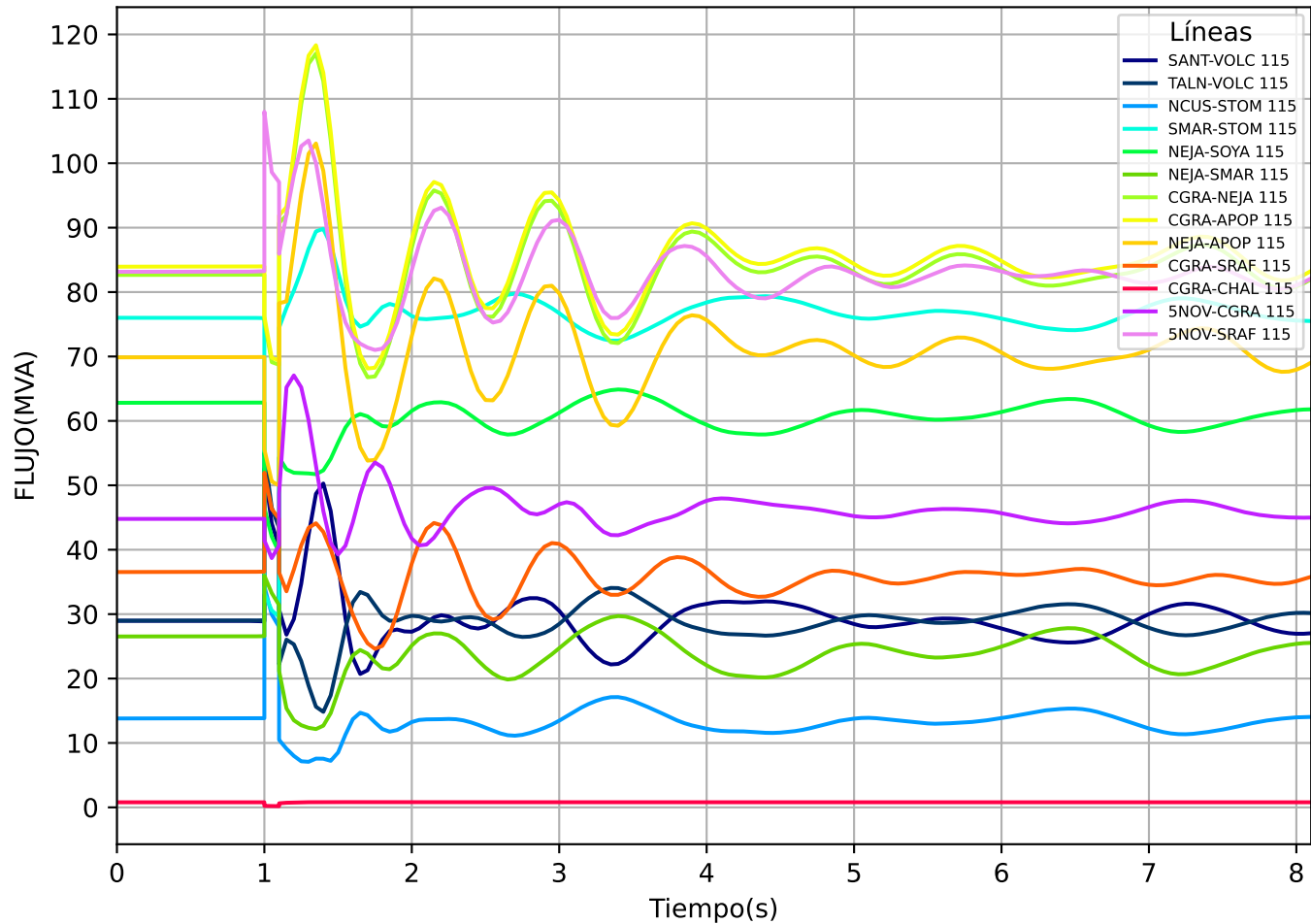
F15_NEJA-15SE: VOLTAJE 3



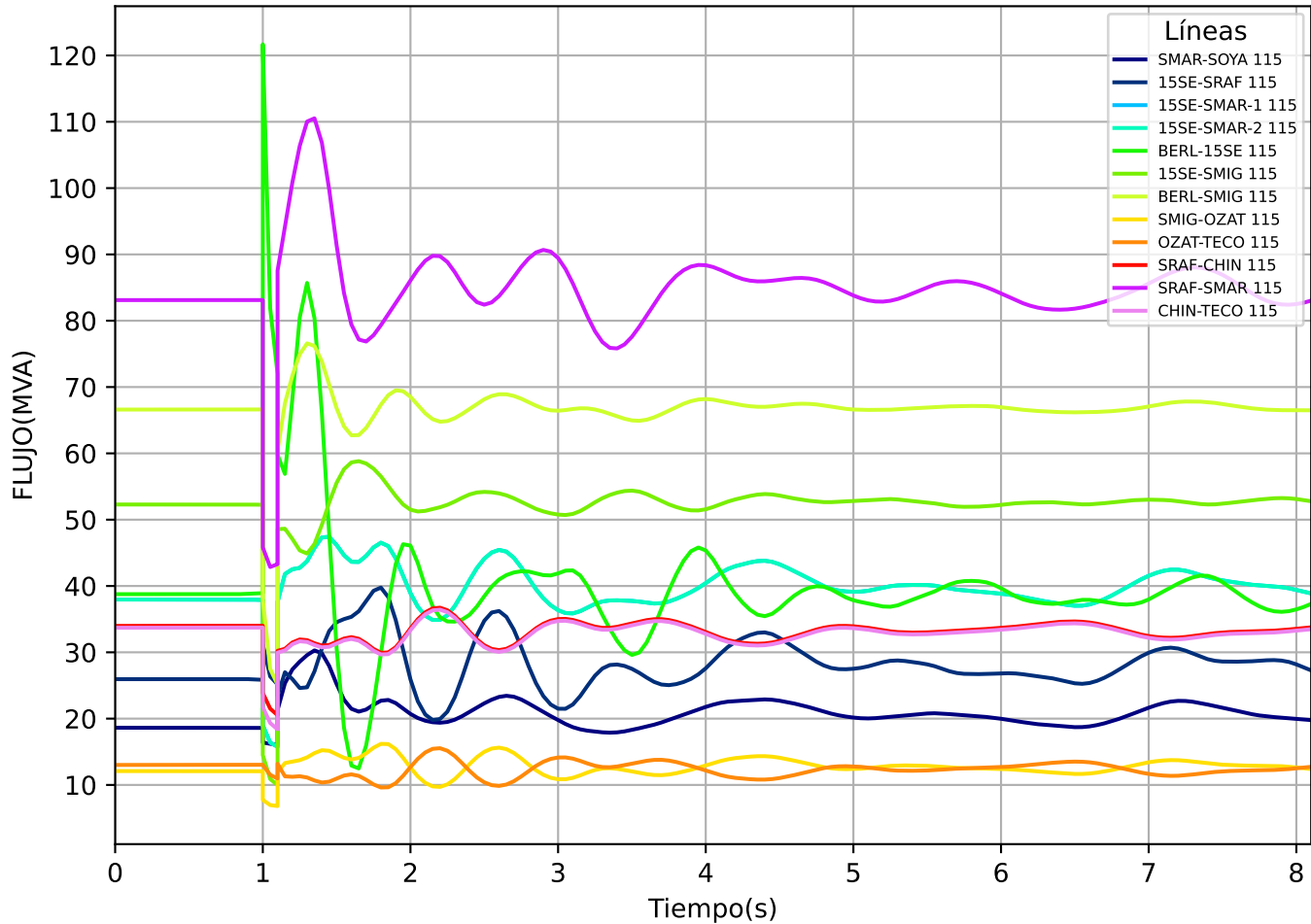
F15_NEJA-15SE: FLUJO L-115kV 1



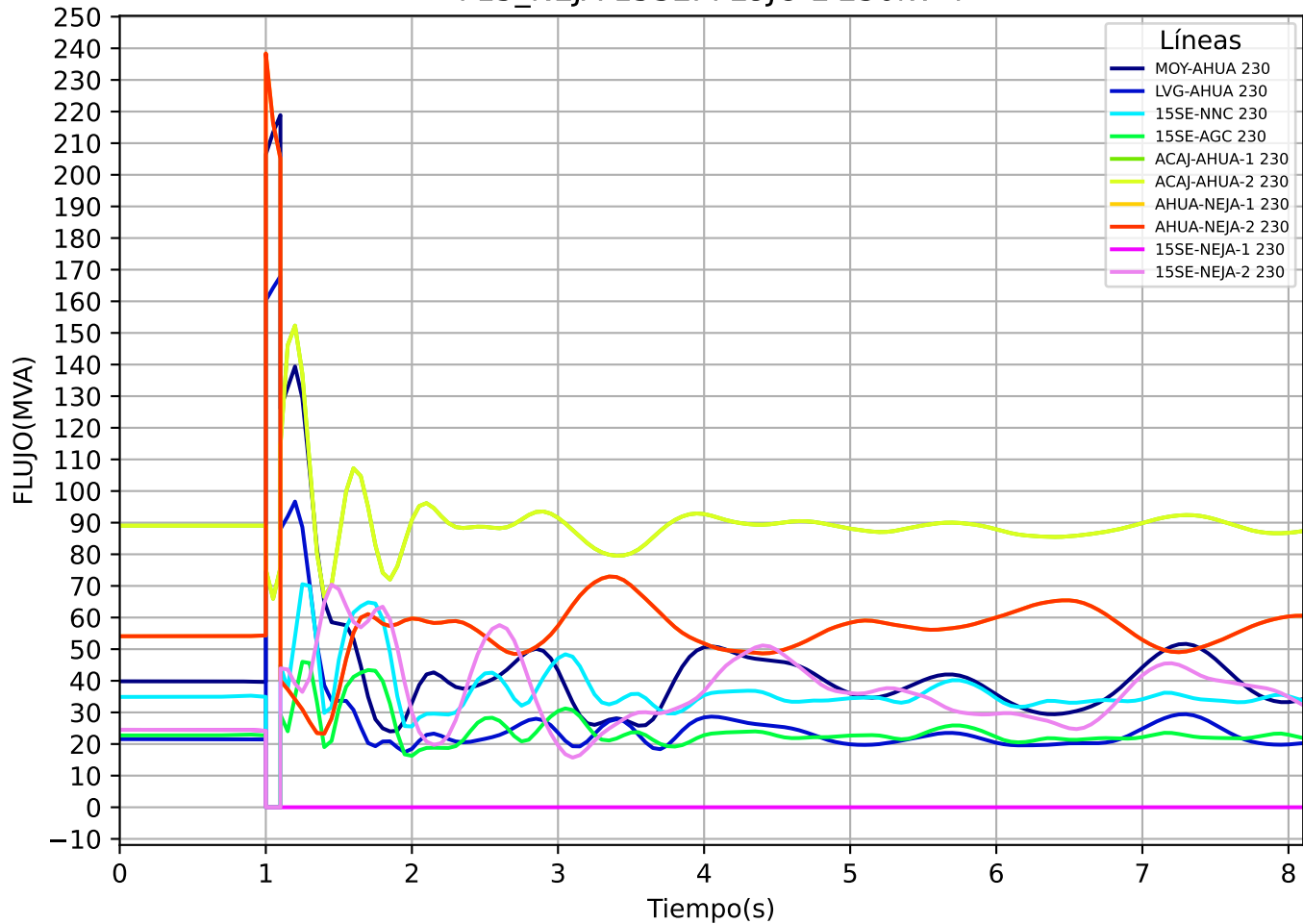
F15_NEJA-15SE: FLUJO L-115kV 2



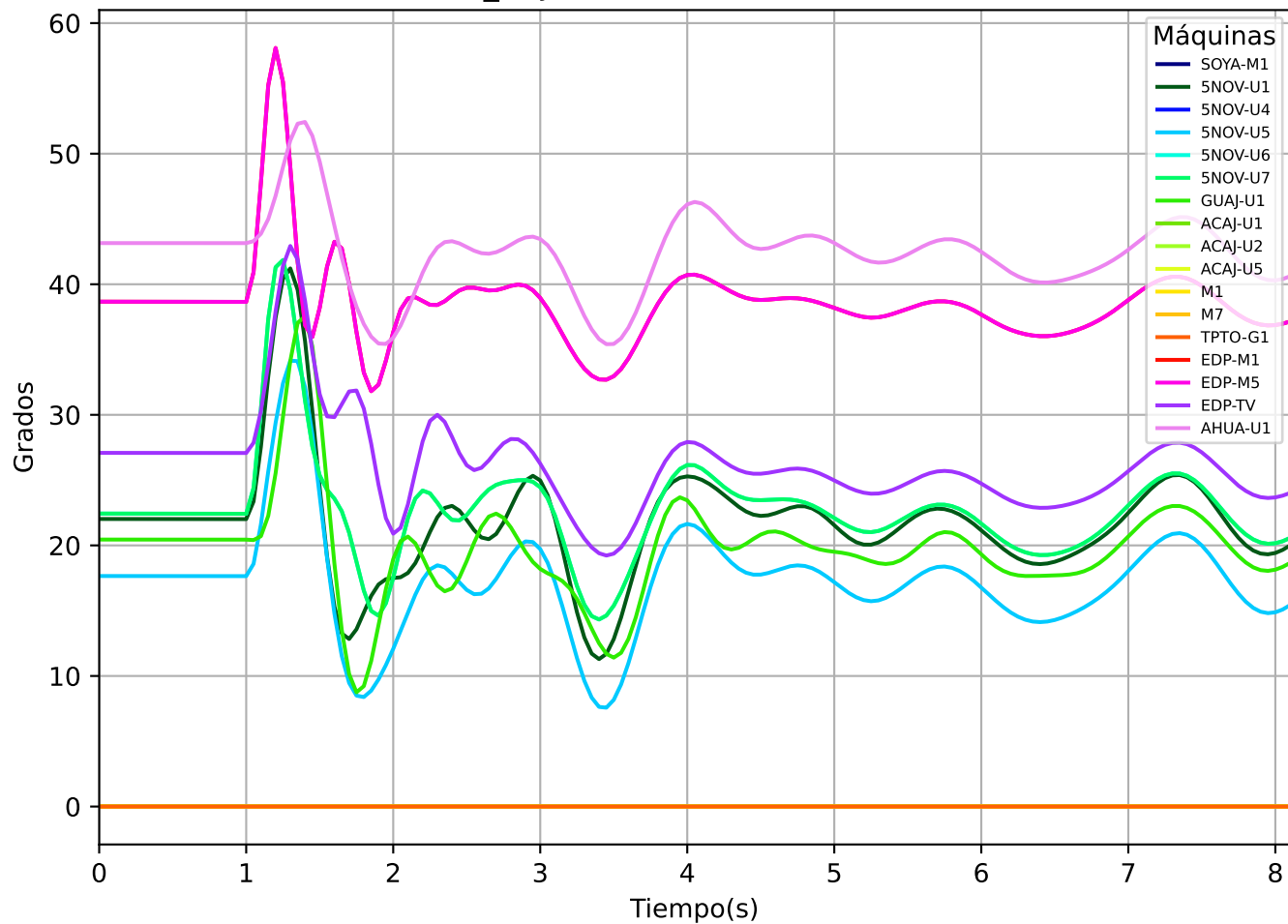
F15_NEJA-15SE: FLUJO L-115kV 3



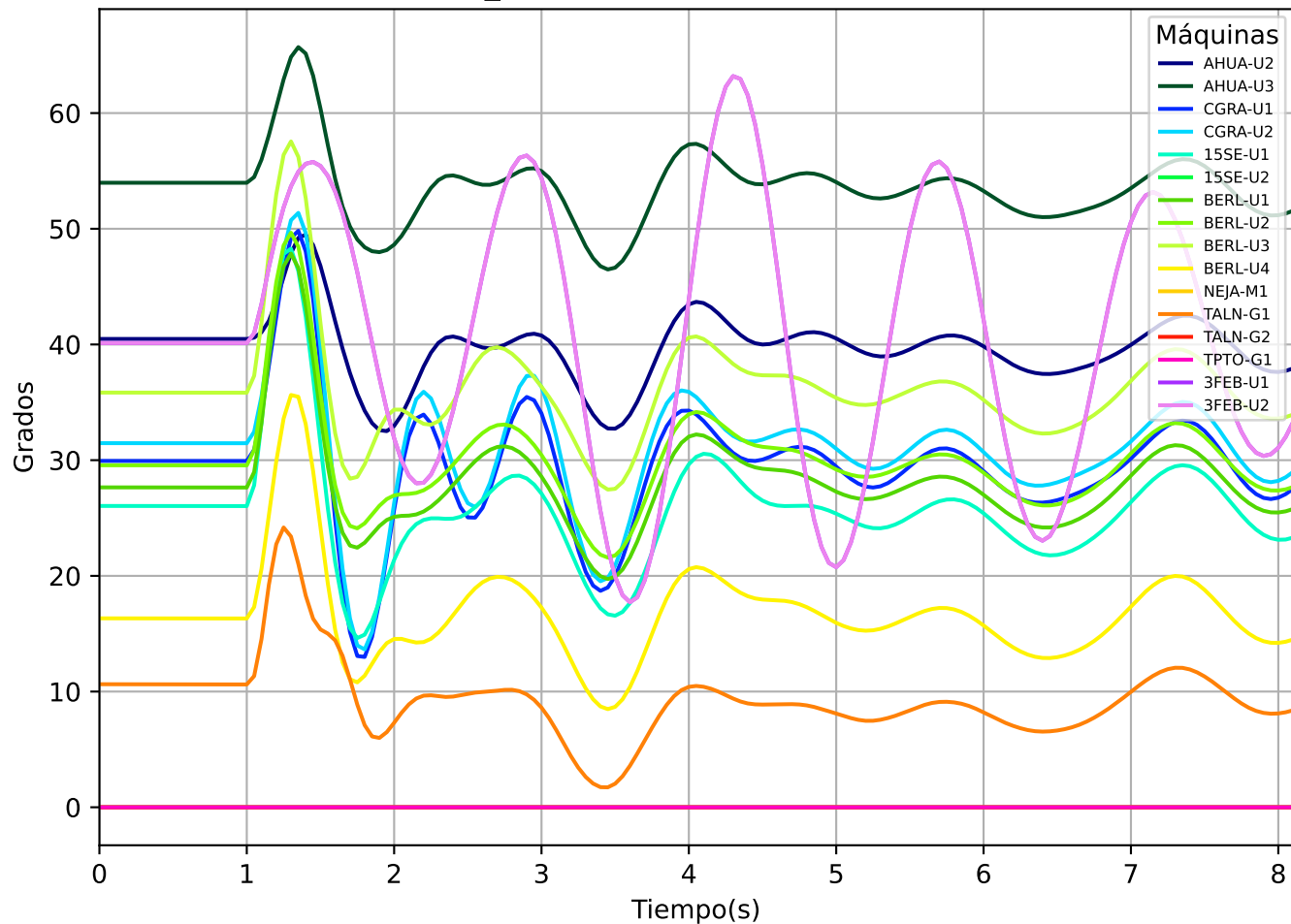
F15_NEJA-15SE: FLUJO L-230kV 4



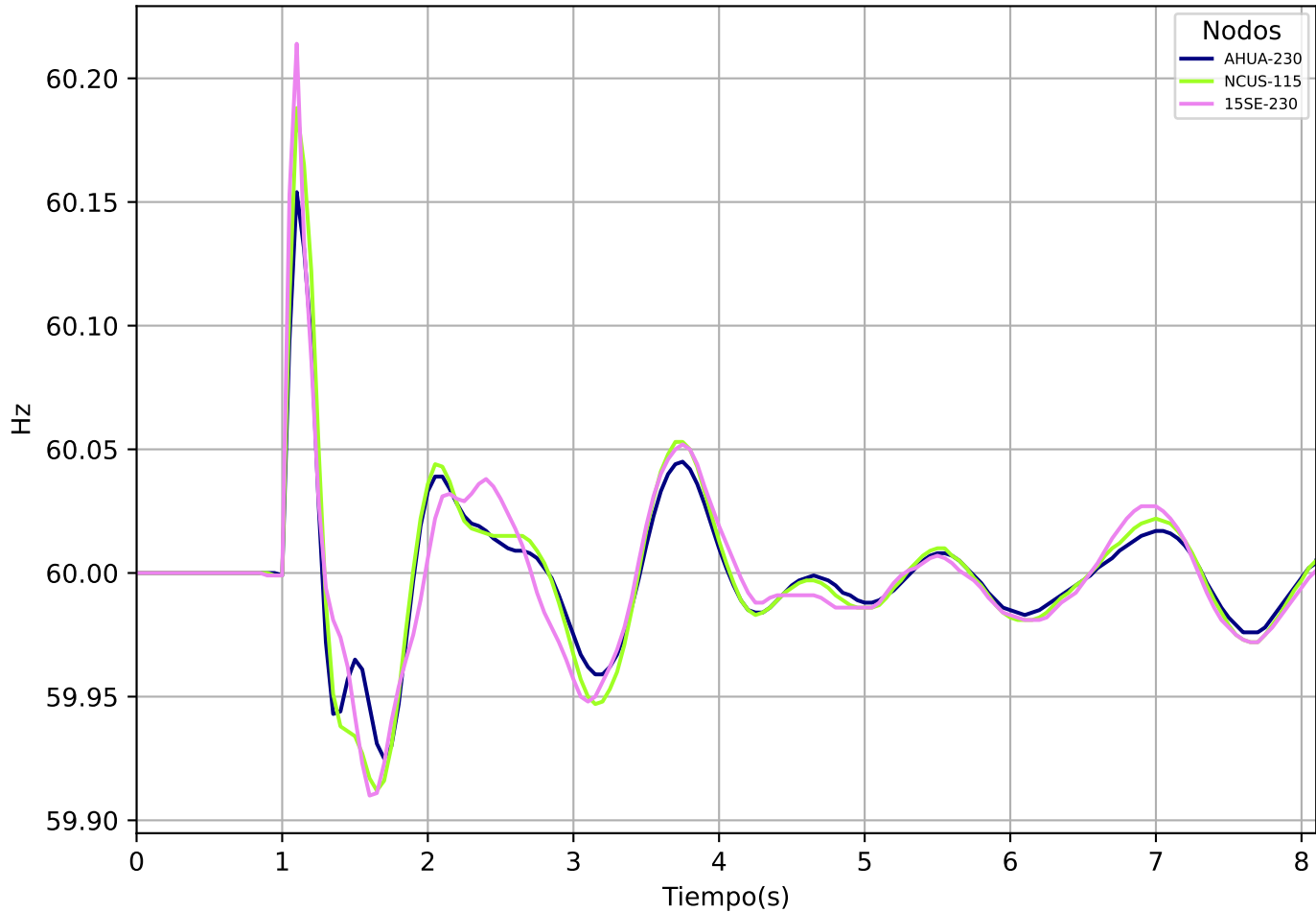
F15_NEJA-15SE: ANGULO ROTOR 1



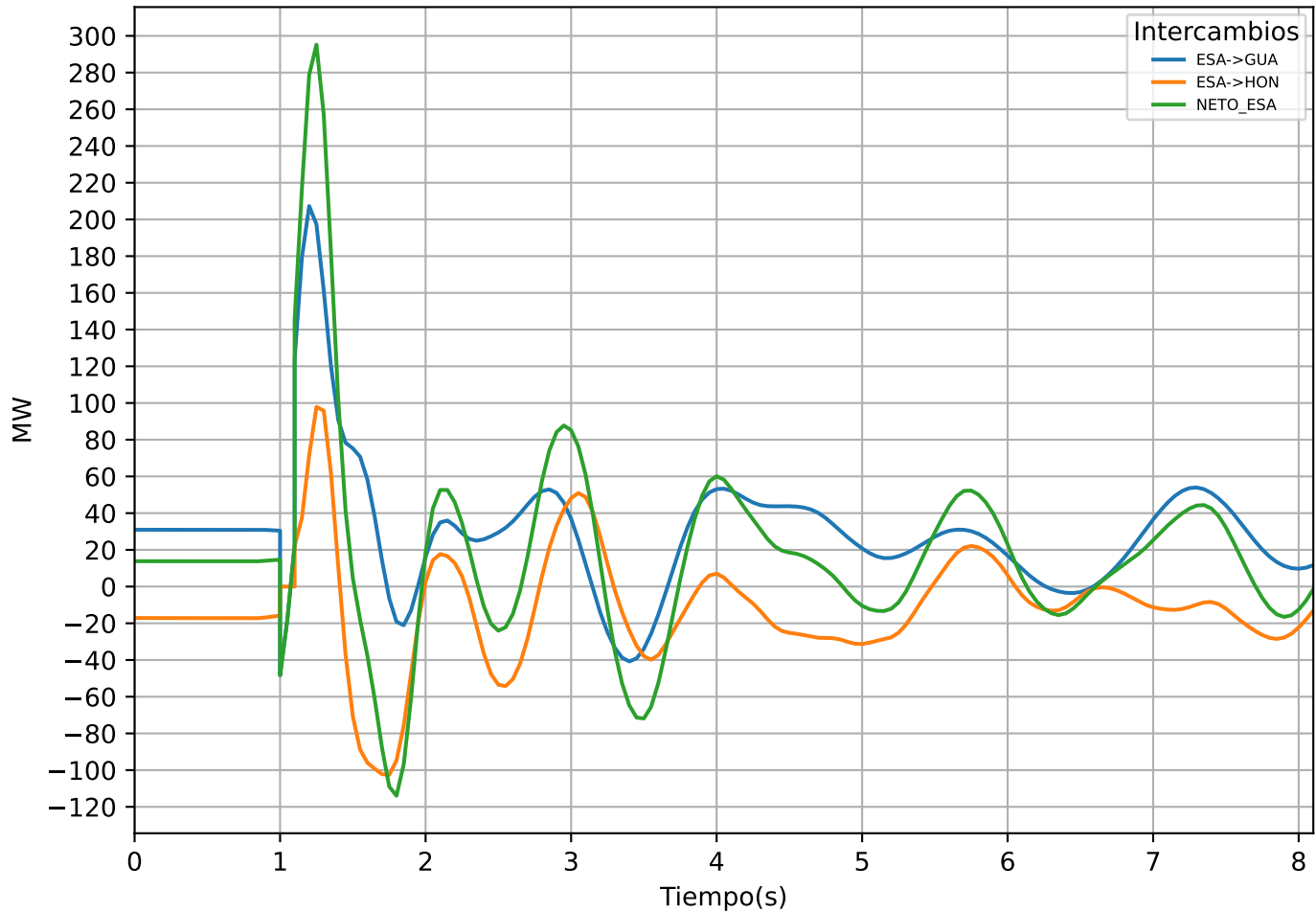
F15_NEJA-15SE: ANGULO ROTOR 2



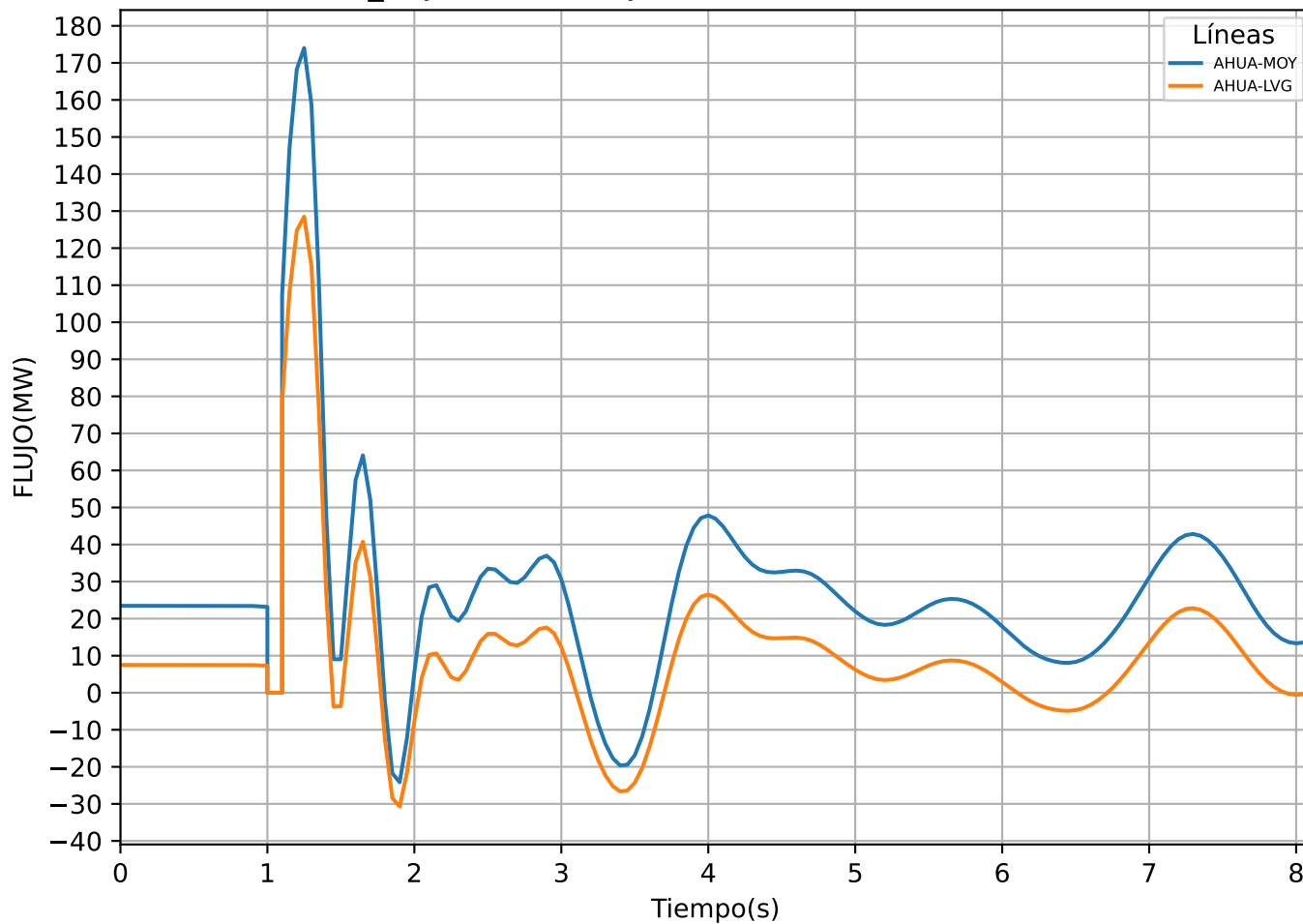
F15_NEJA-15SE: FRECUENCIA



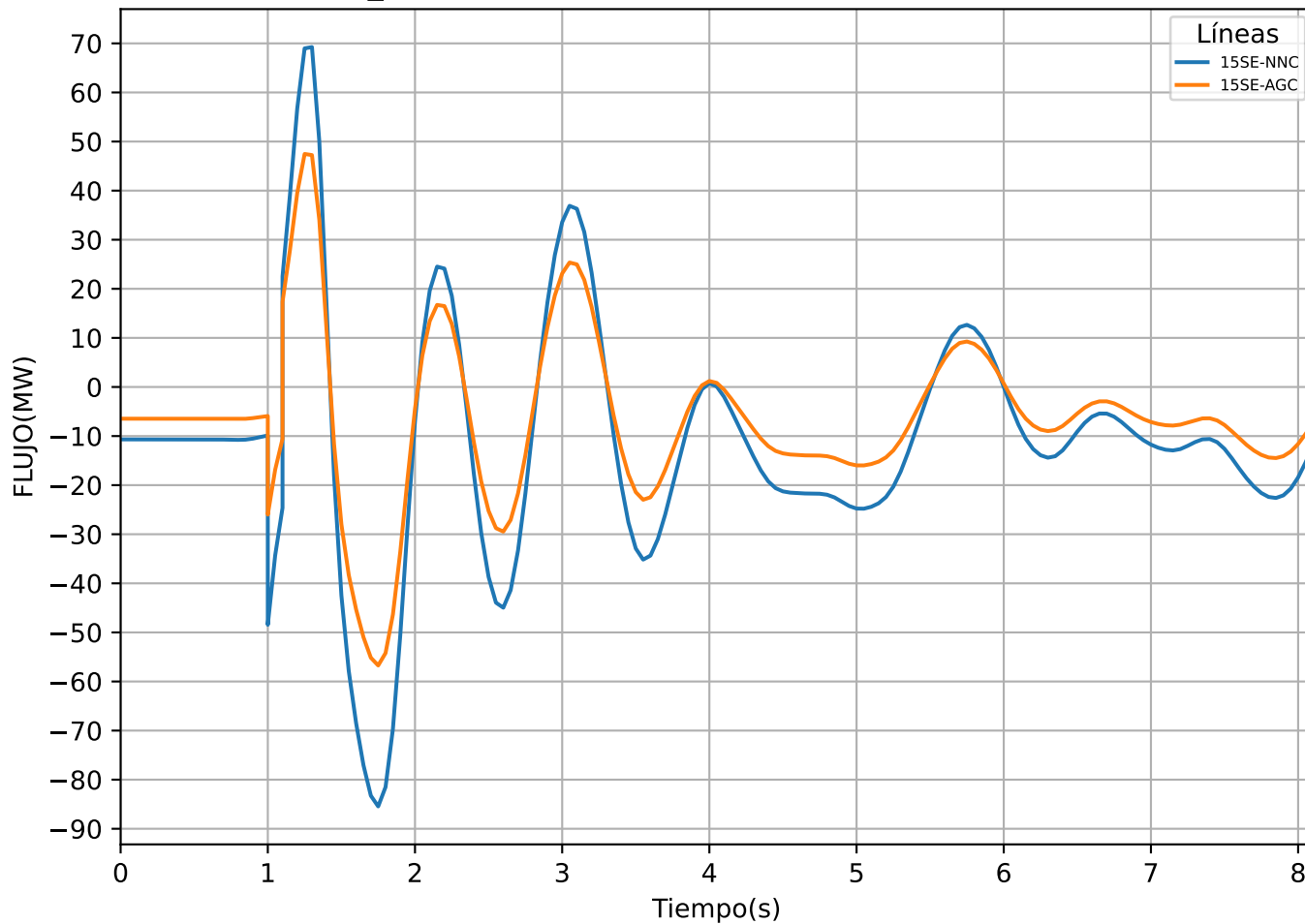
F15_NEJA-15SE: Intercambios ESA



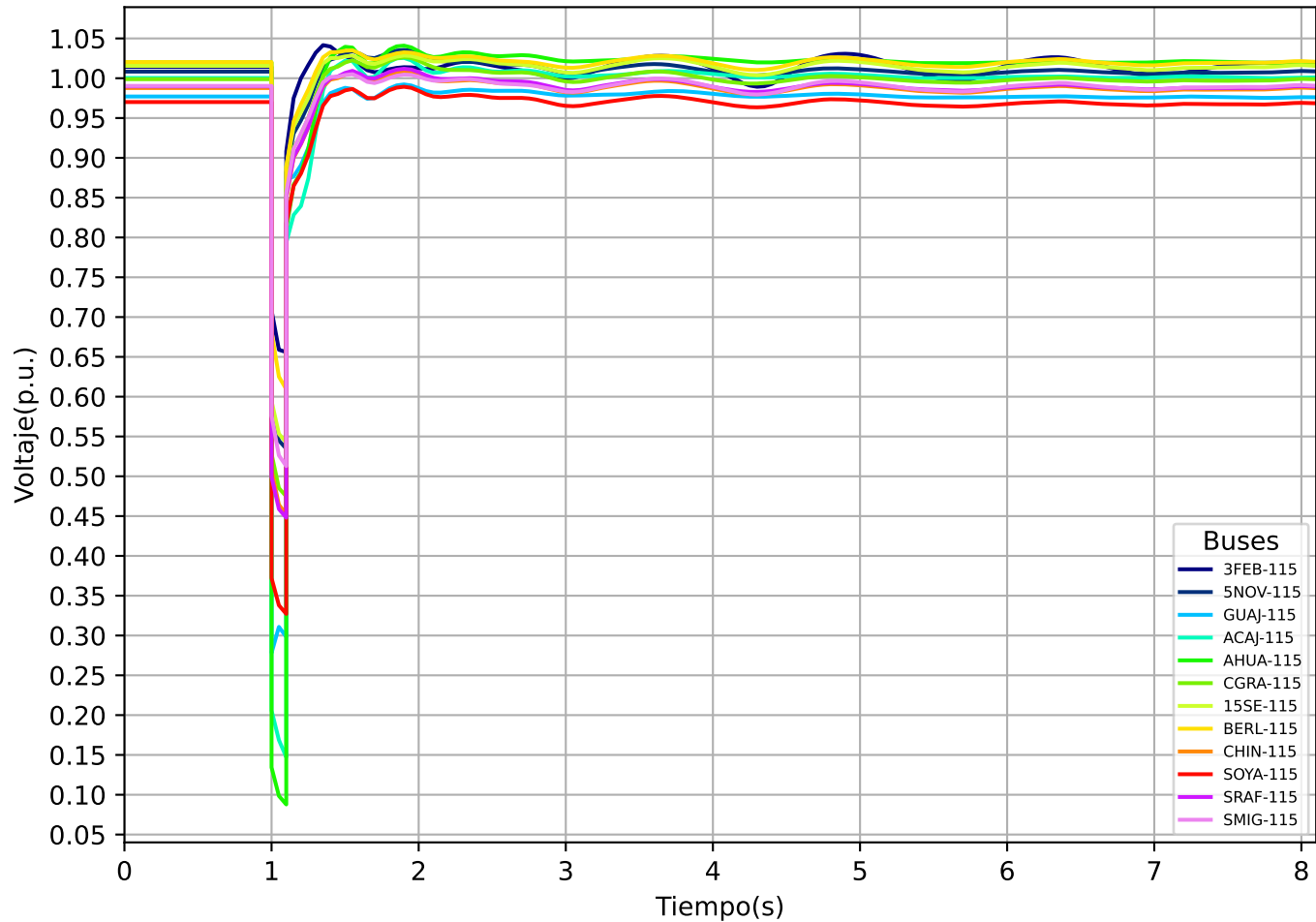
F16_NEJA-AHUA: FLUJO INTERCONEXIONES ESA-GUA



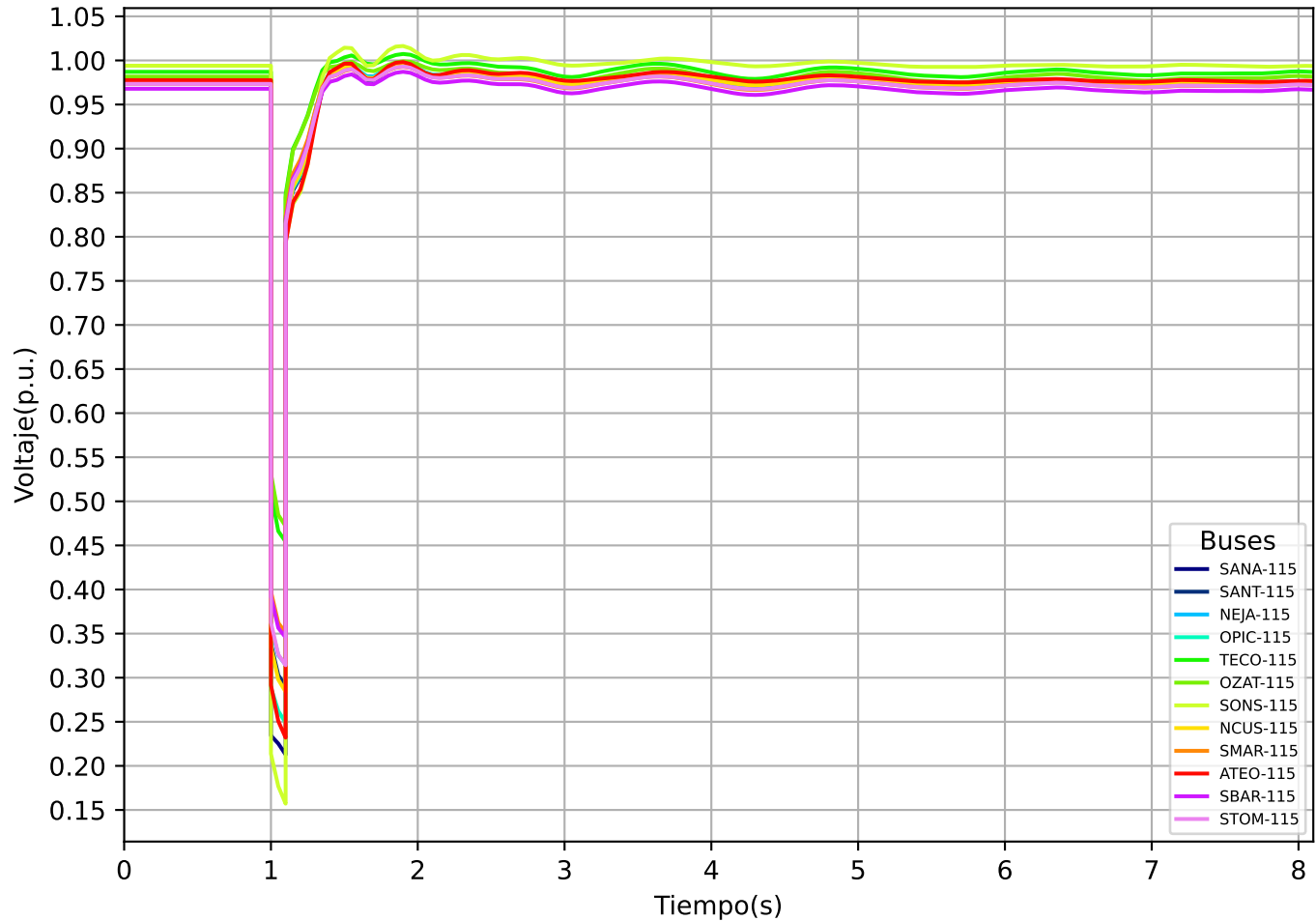
F16_NEJA-AHUA: FLUJO INTERCONEXIONES ESA-HON



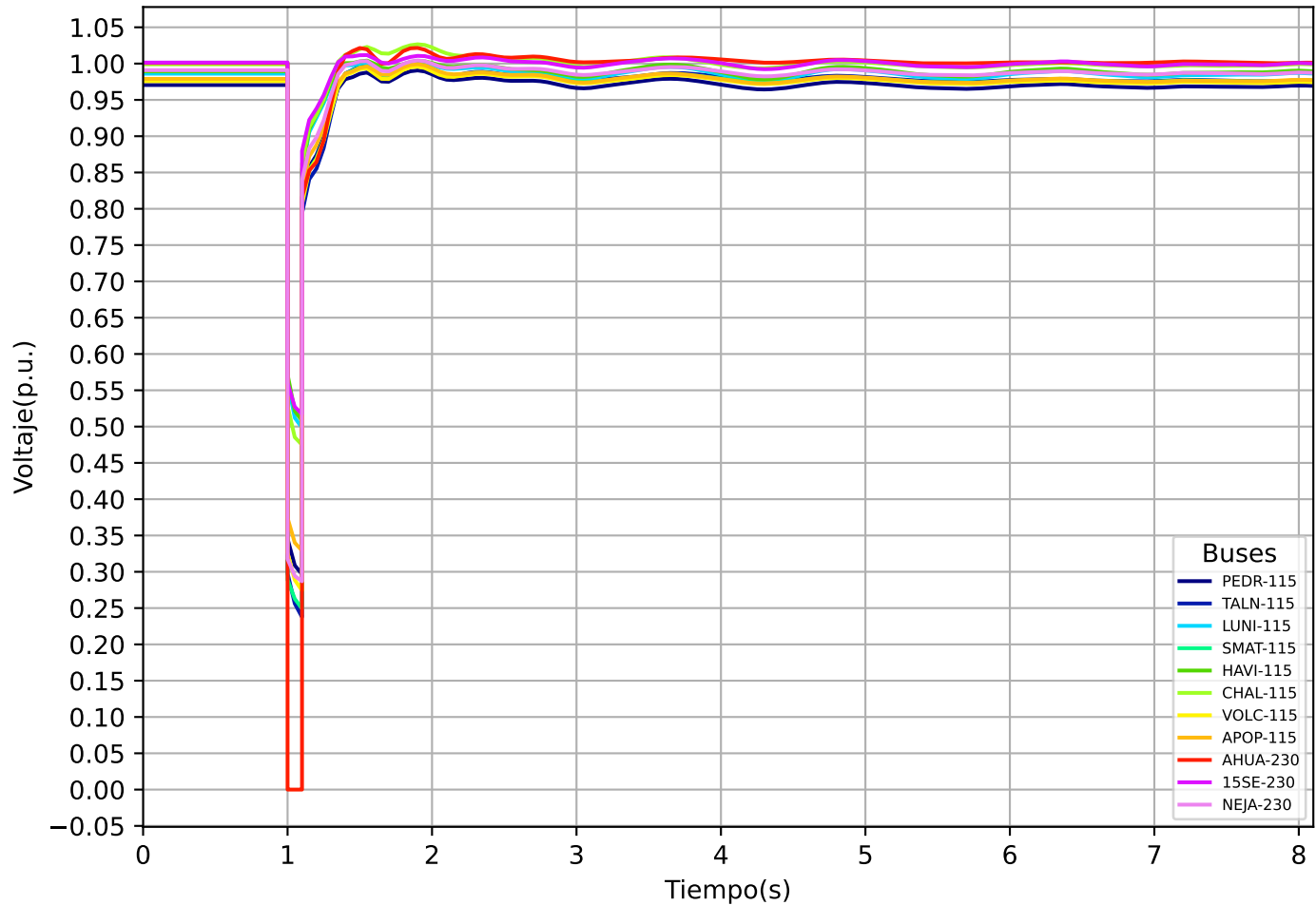
F16 NEJA-AHUA: VOLTAJE 1



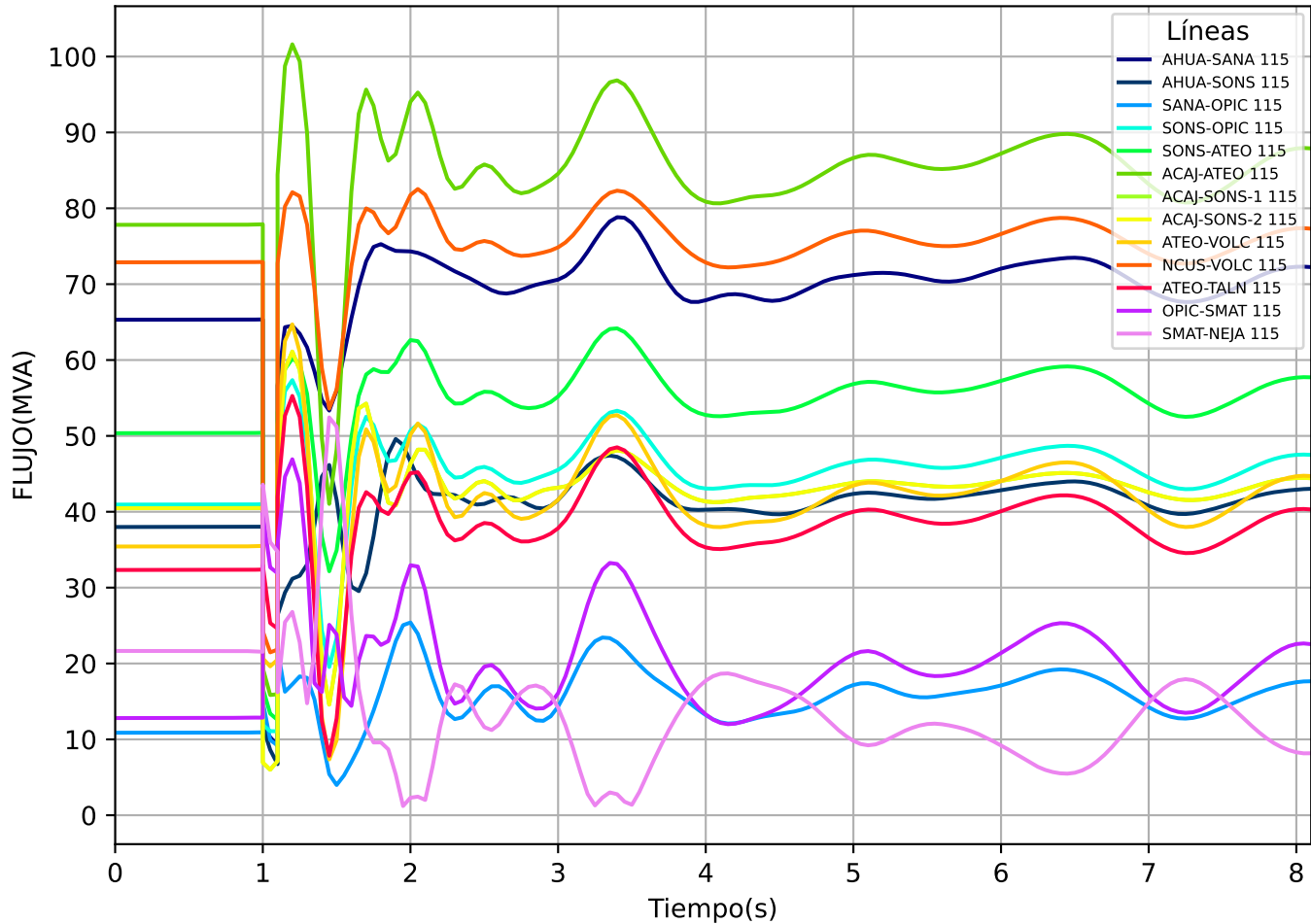
F16_NEJA-AHUA: VOLTAJE 2



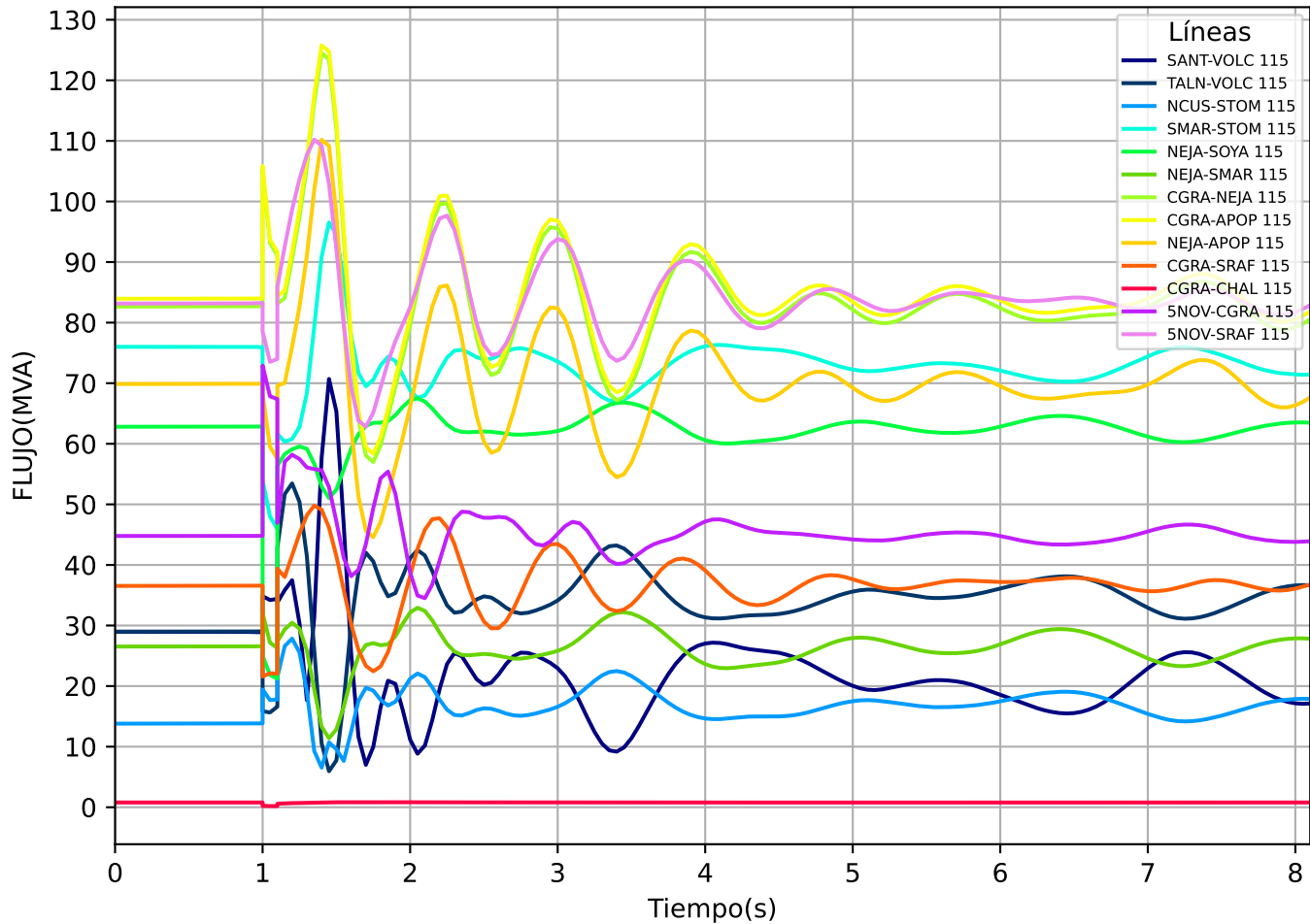
F16_NEJA-AHUA: VOLTAJE 3



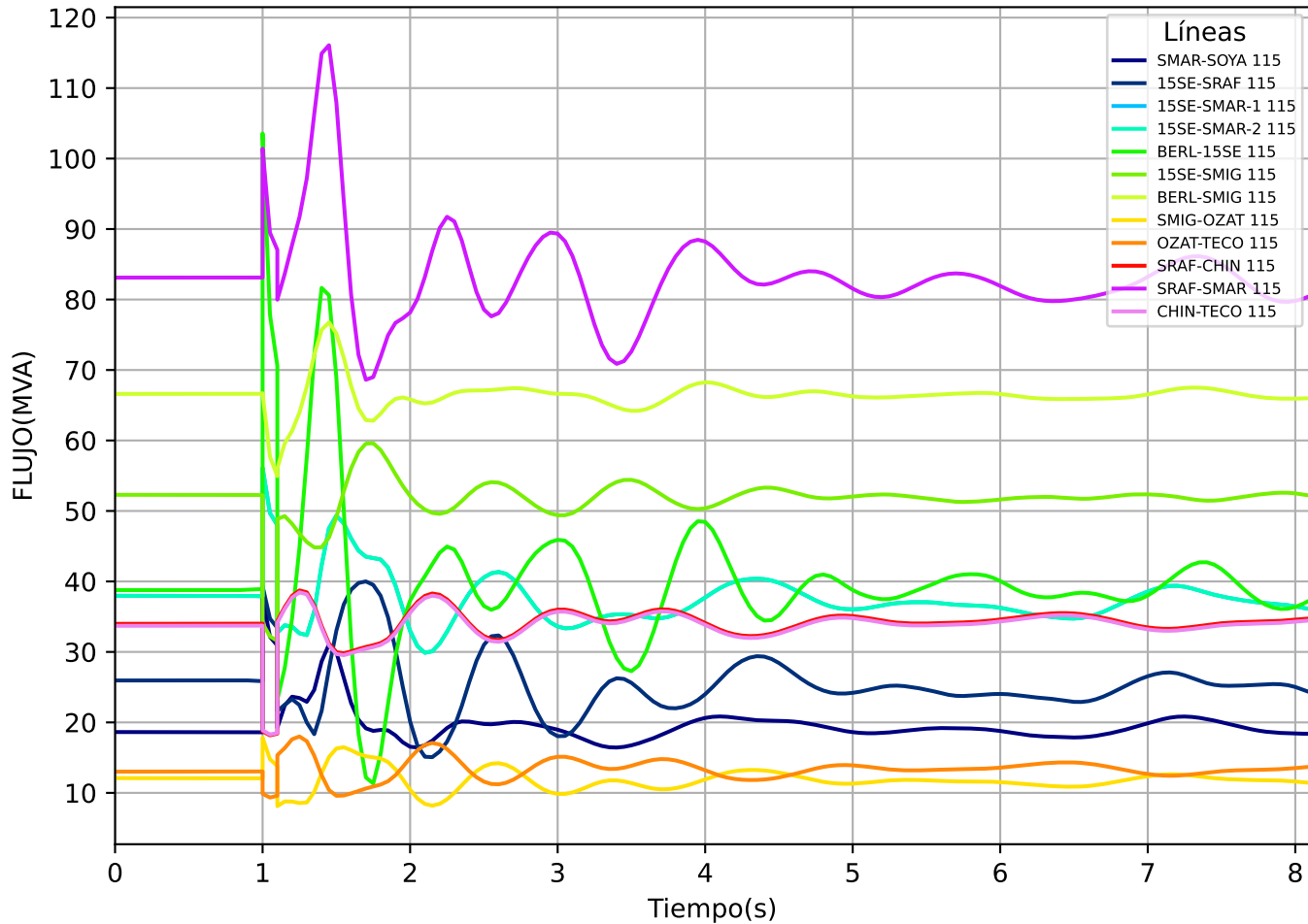
F16_NEJA-AHUA: FLUJO L-115kV 1



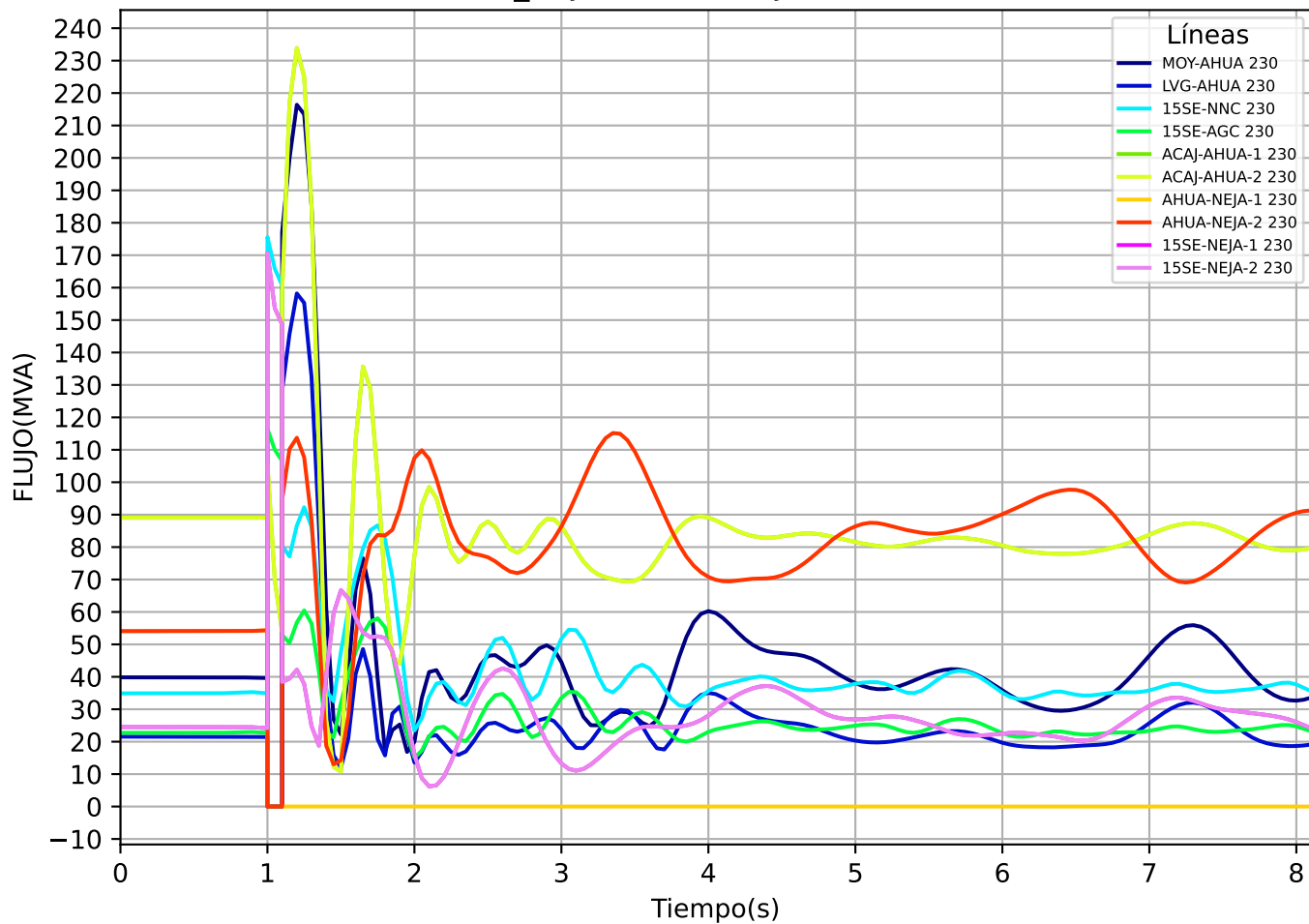
F16_NEJA-AHUA: FLUJO L-115kV 2



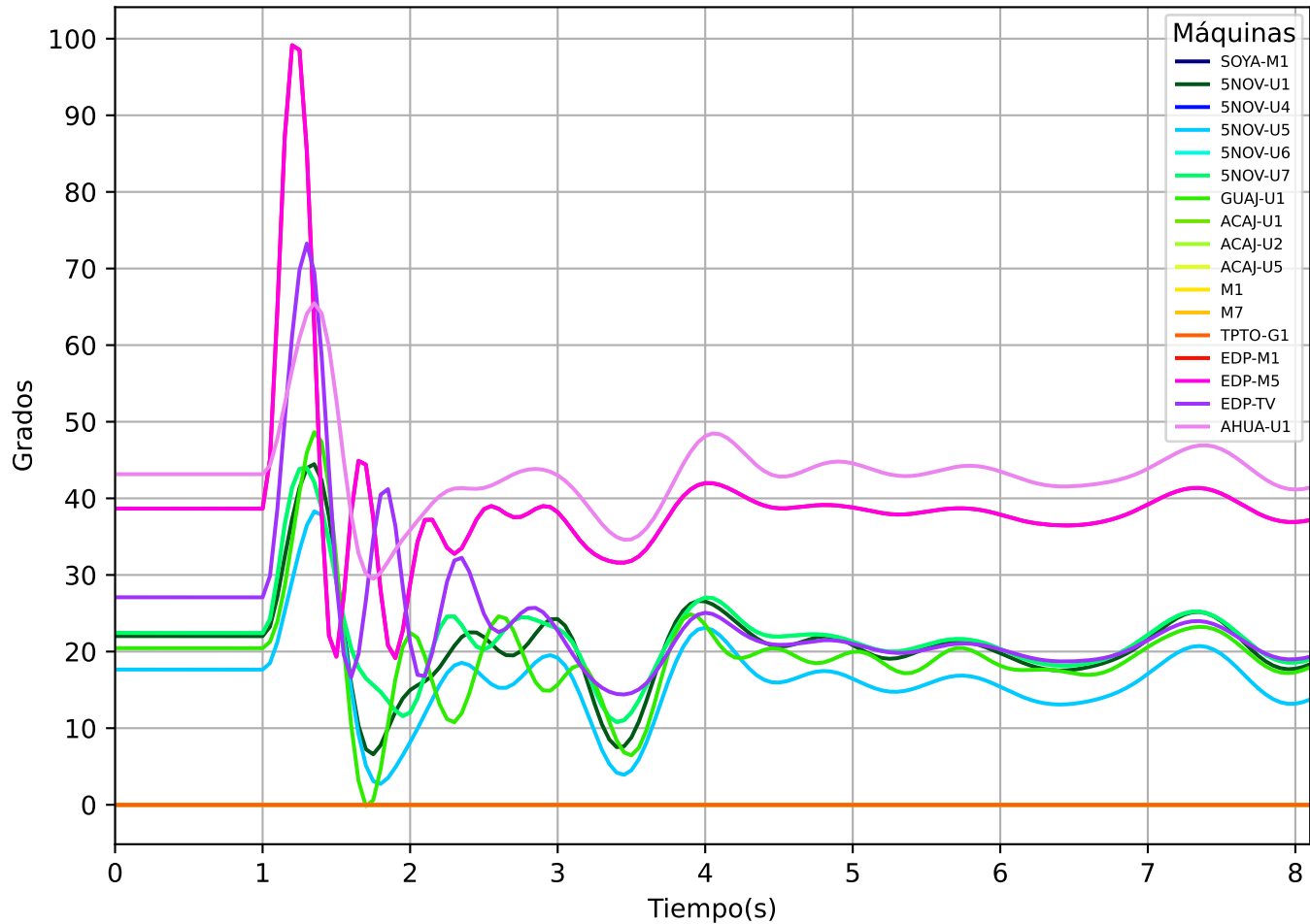
F16_NEJA-AHUA: FLUJO L-115kV 3



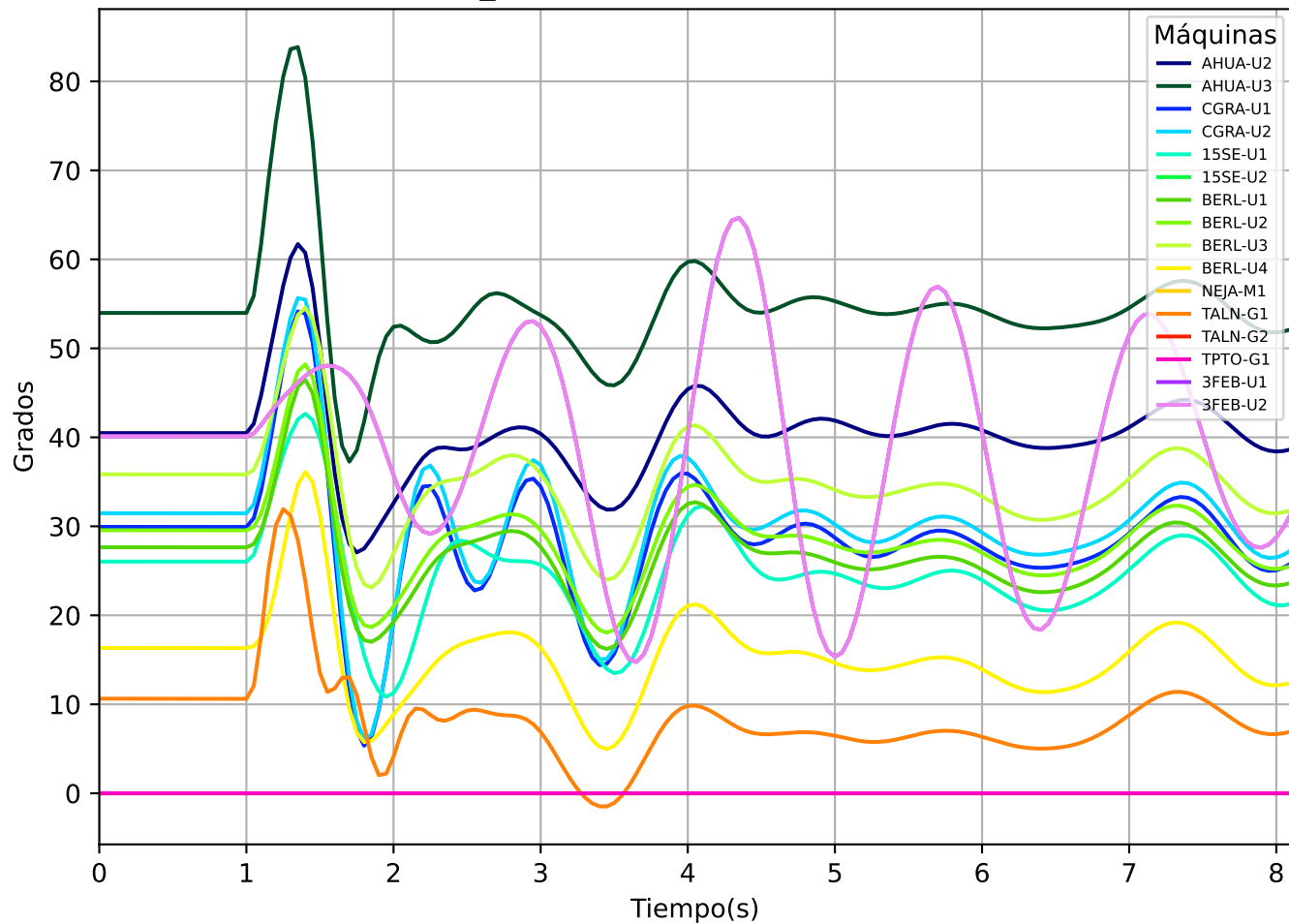
F16_NEJA-AHUA: FLUJO L-230kV 4



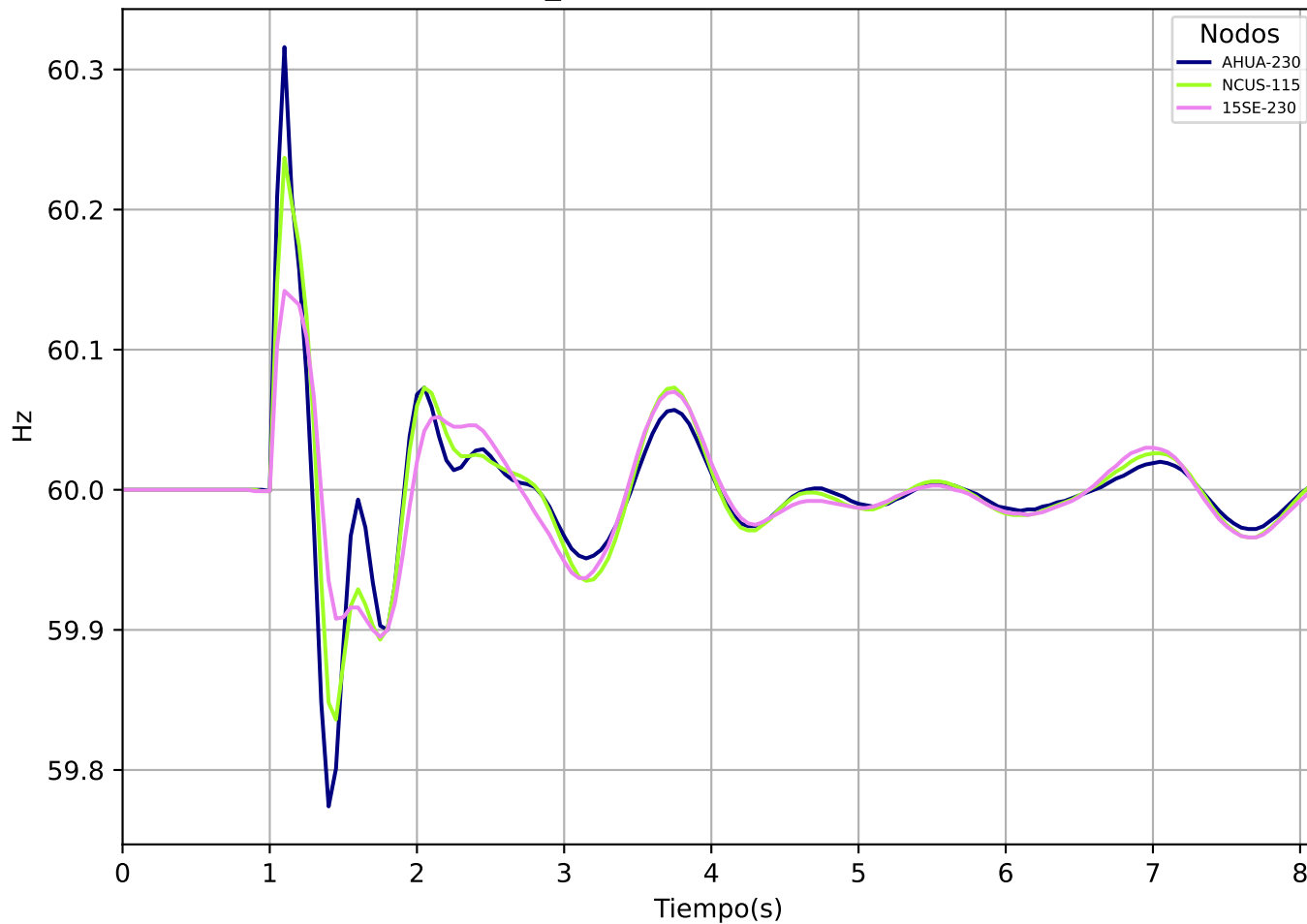
F16_NEJA-AHUA: ANGULO ROTOR 1



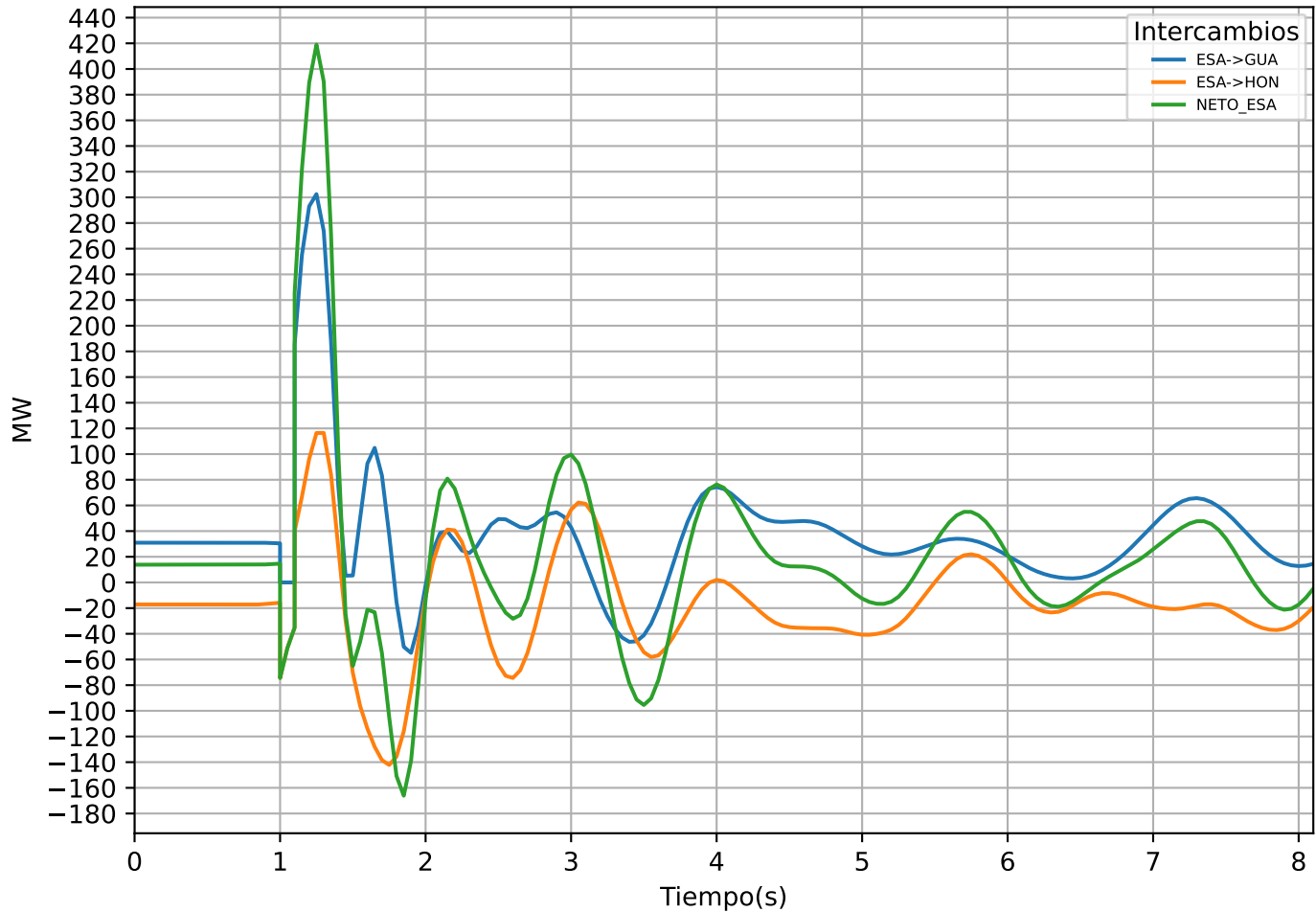
F16_NEJA-AHUA: ANGULO ROTOR 2



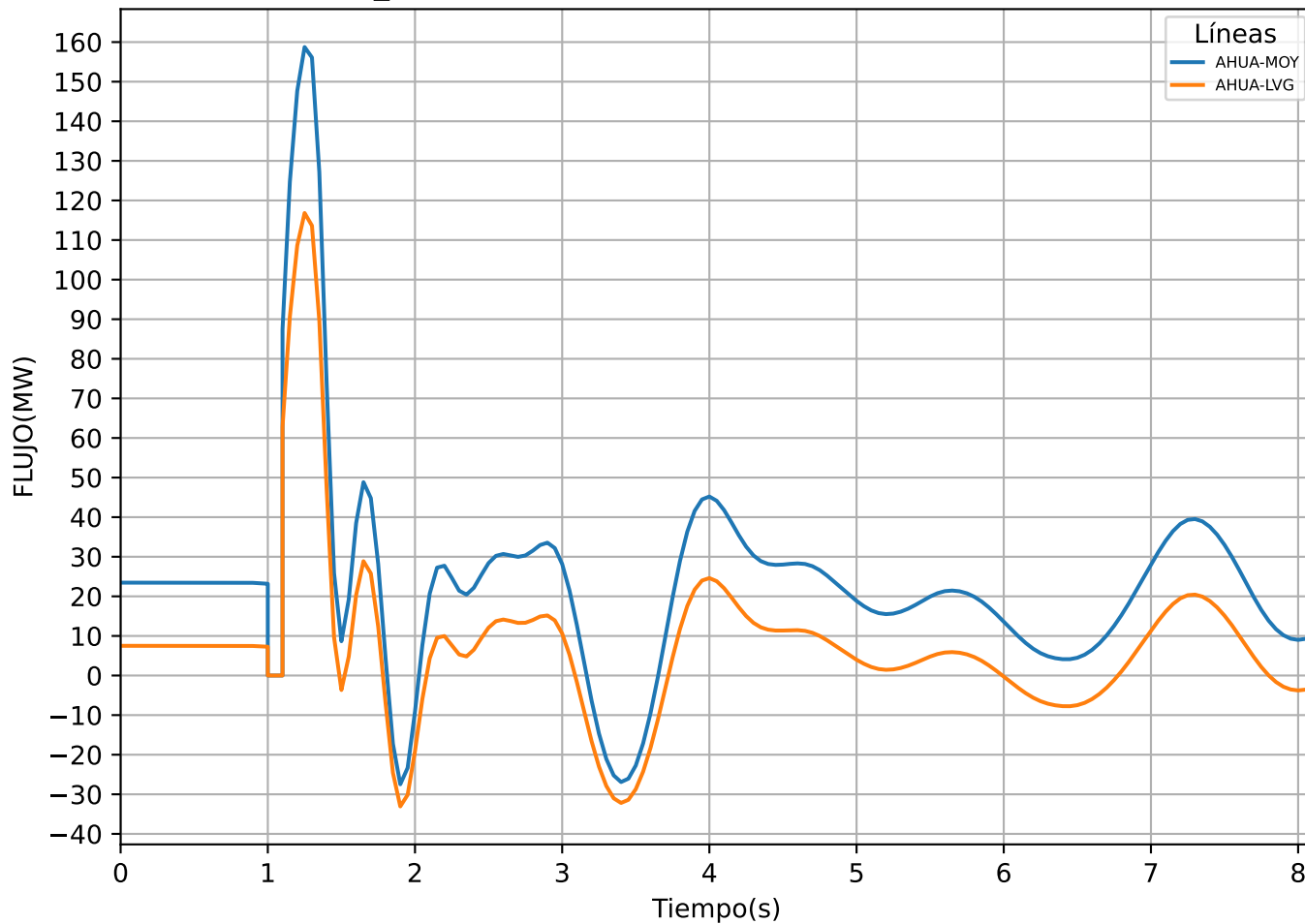
F16_NEJA-AHUA: FRECUENCIA



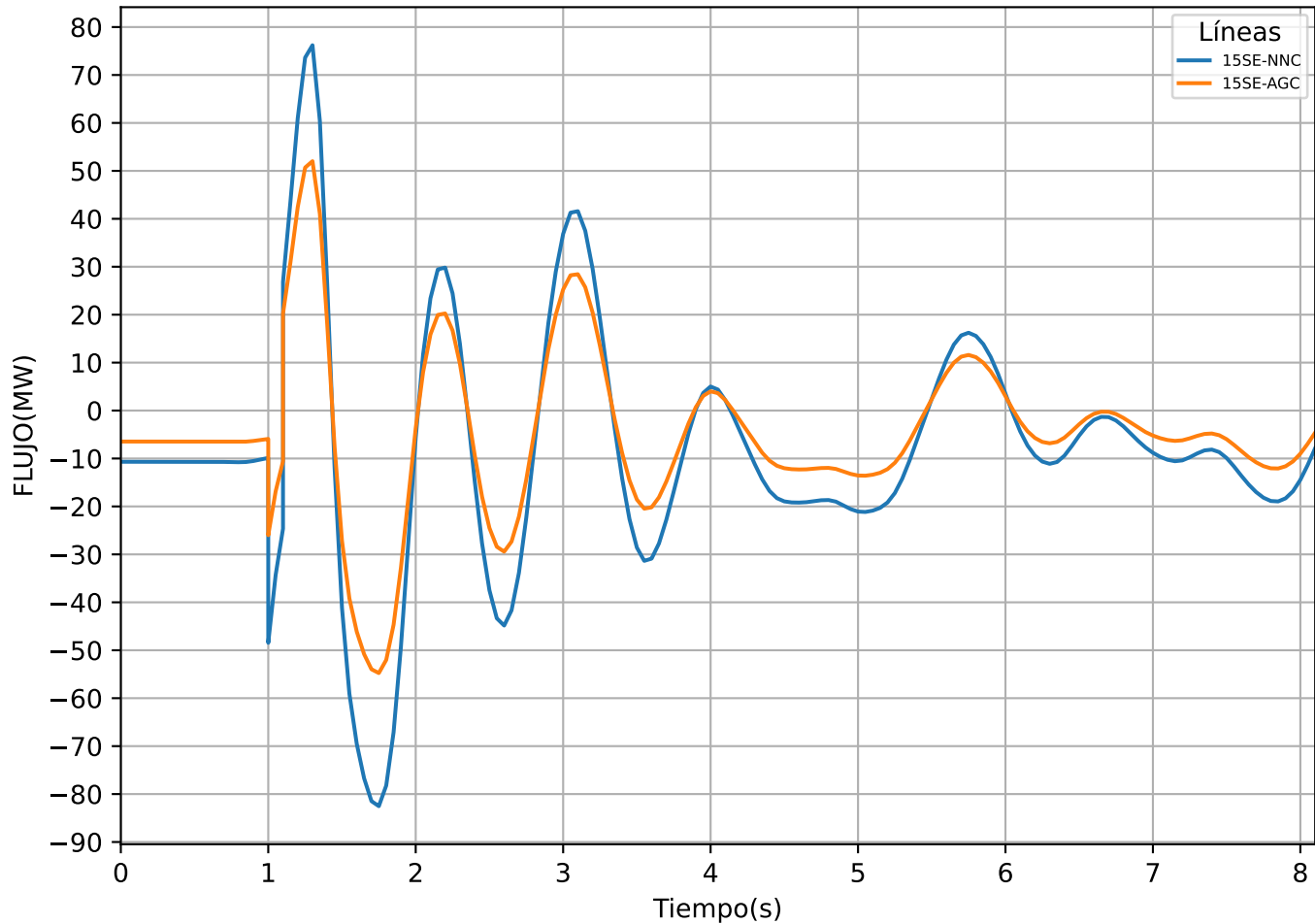
F16_NEJA-AHUA: Intercambios ESA



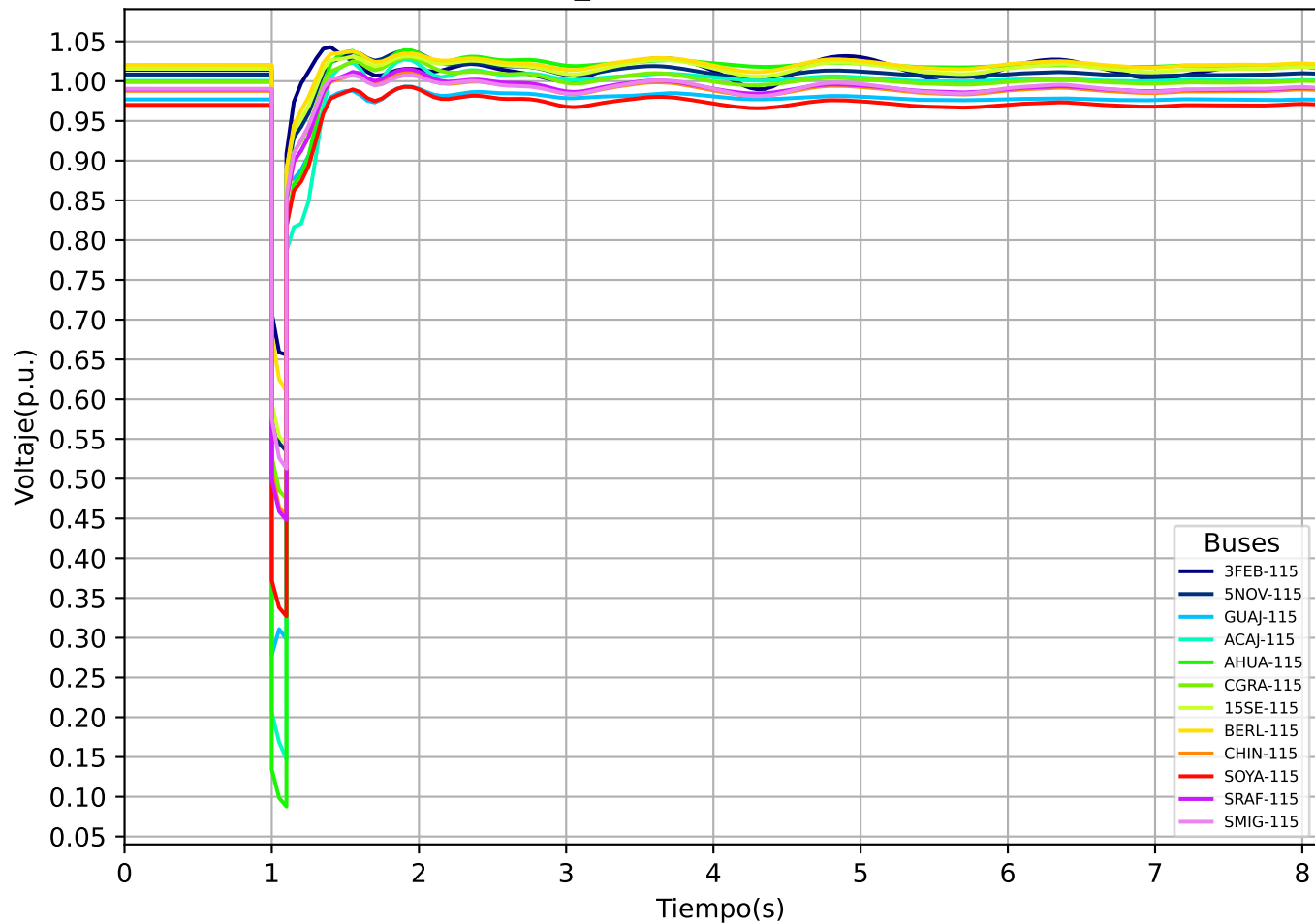
F17_EDP-AHUA: FLUJO INTERCONEXIONES ESA-GUA



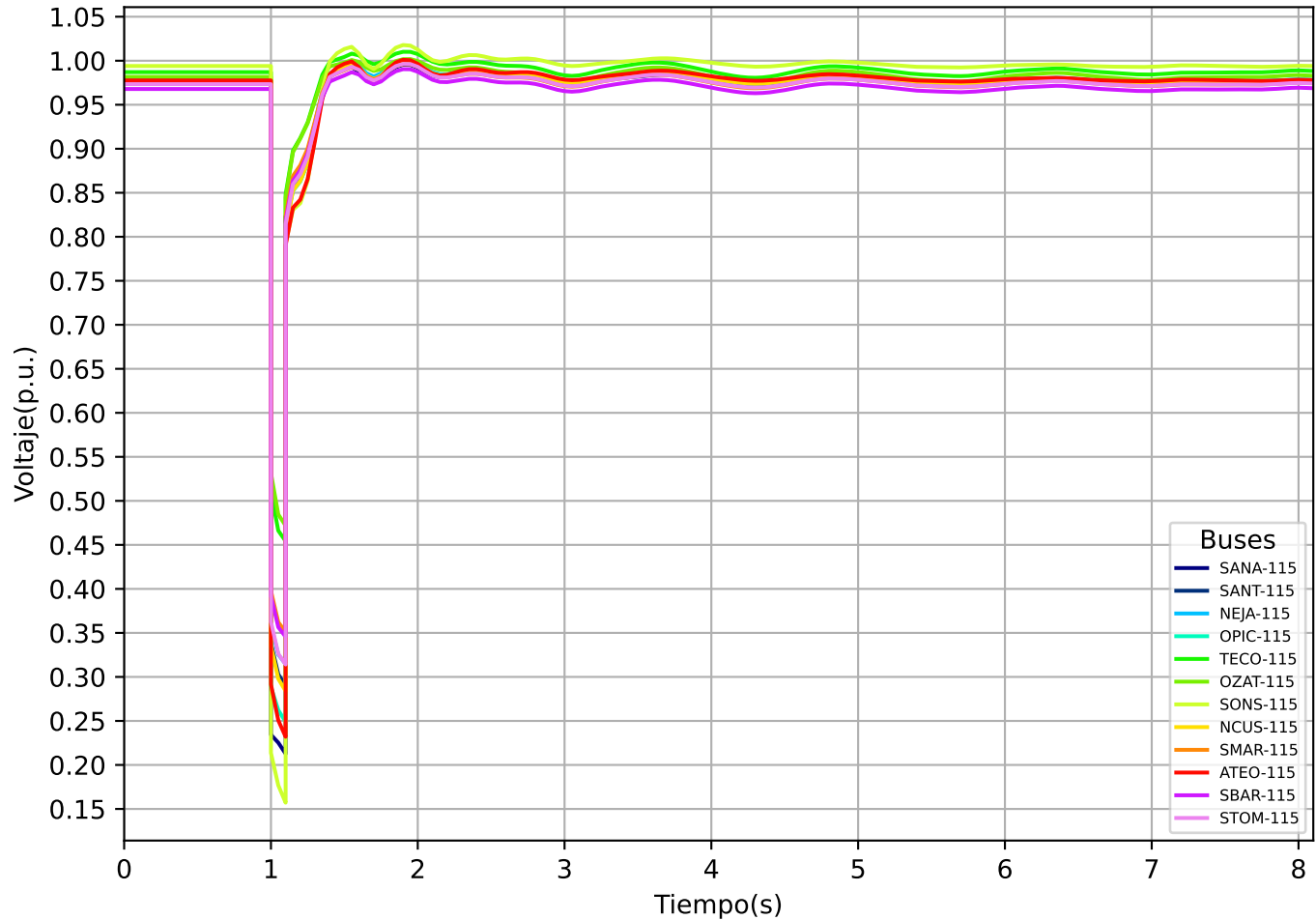
F17_EDP-AHUA: FLUJO INTERCONEXIONES ESA-HON



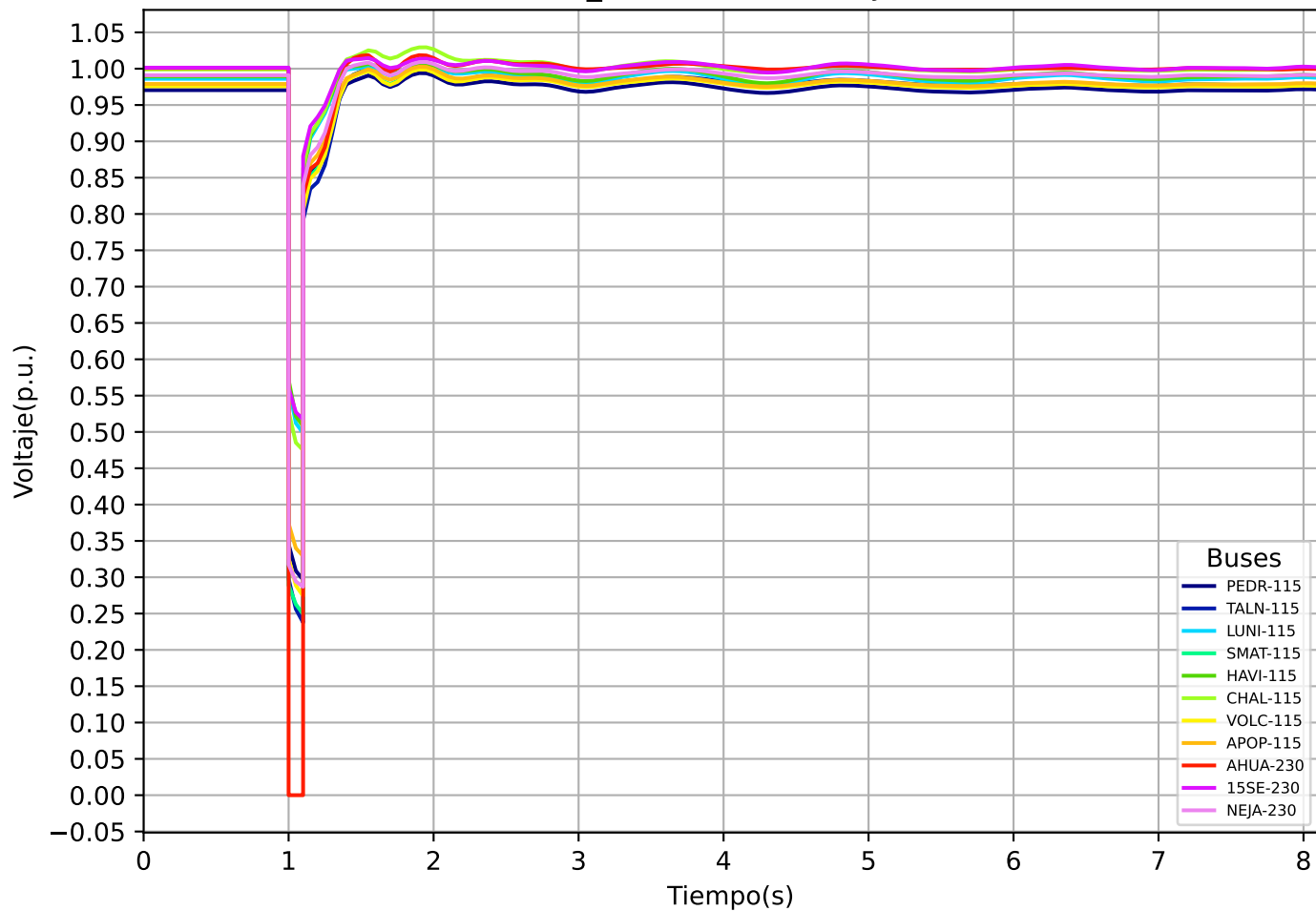
F17_EDP-AHUA: VOLTAJE 1



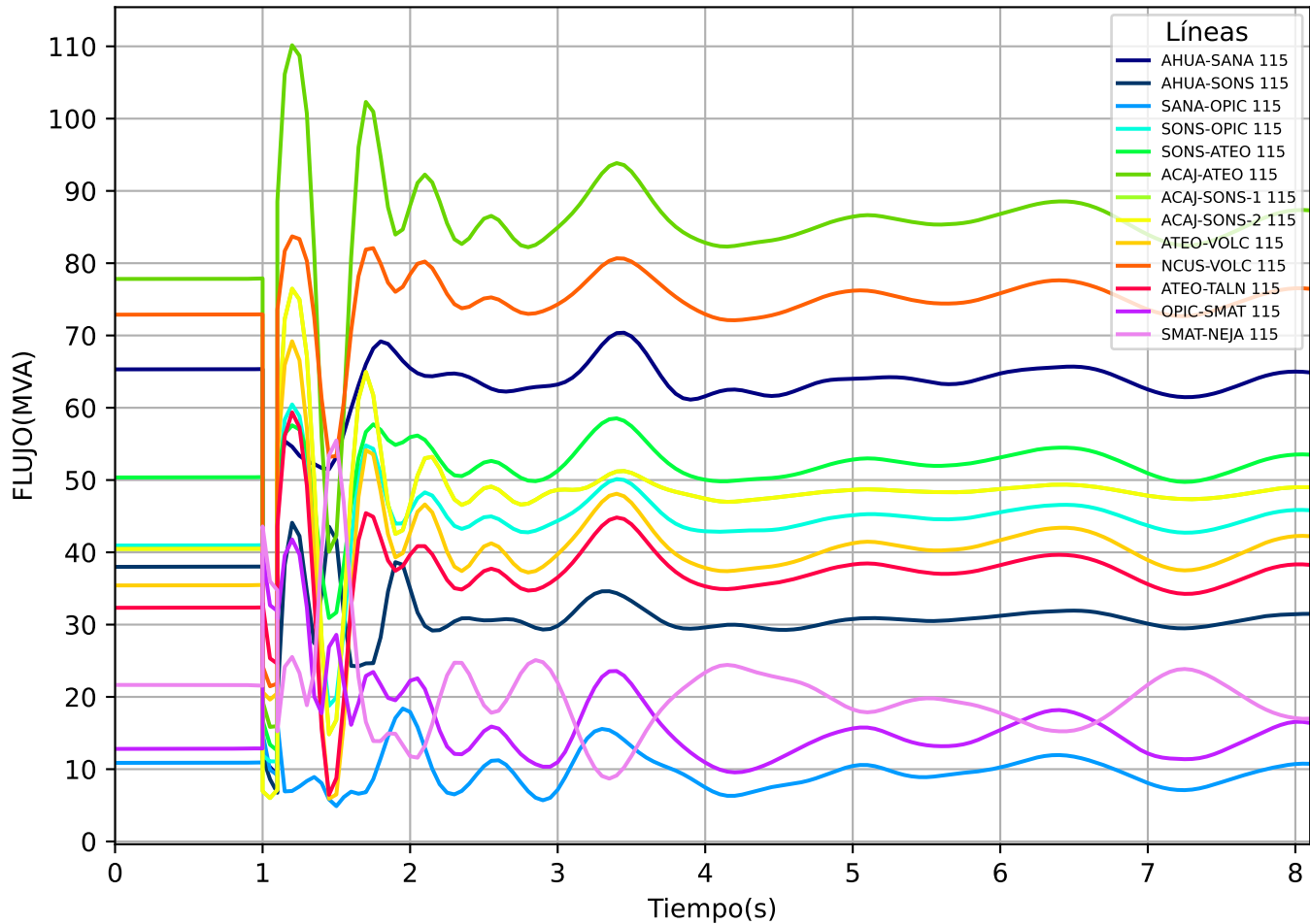
F17_EDP-AHUA: VOLTAJE 2



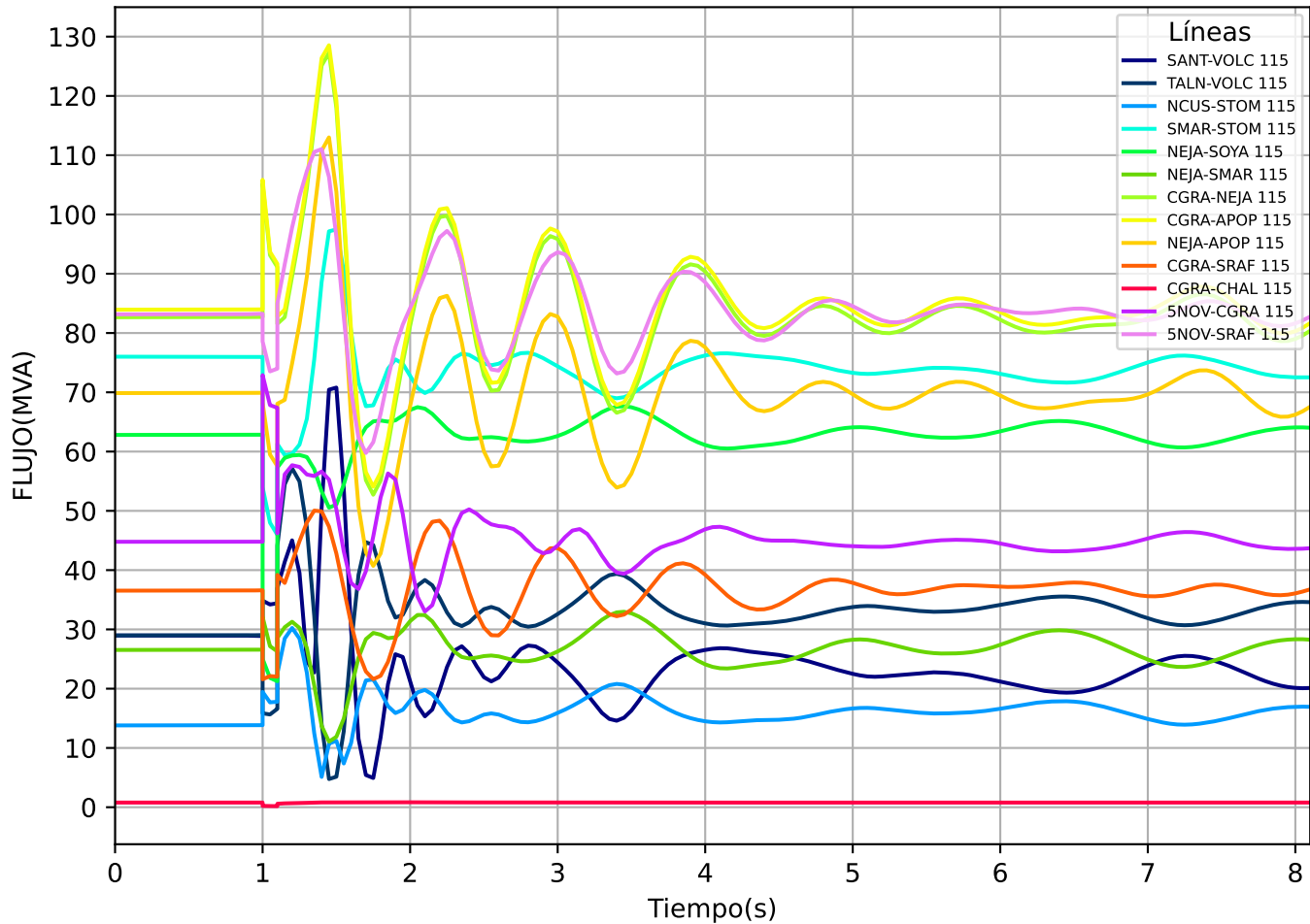
F17_EDP-AHUA: VOLTAJE 3



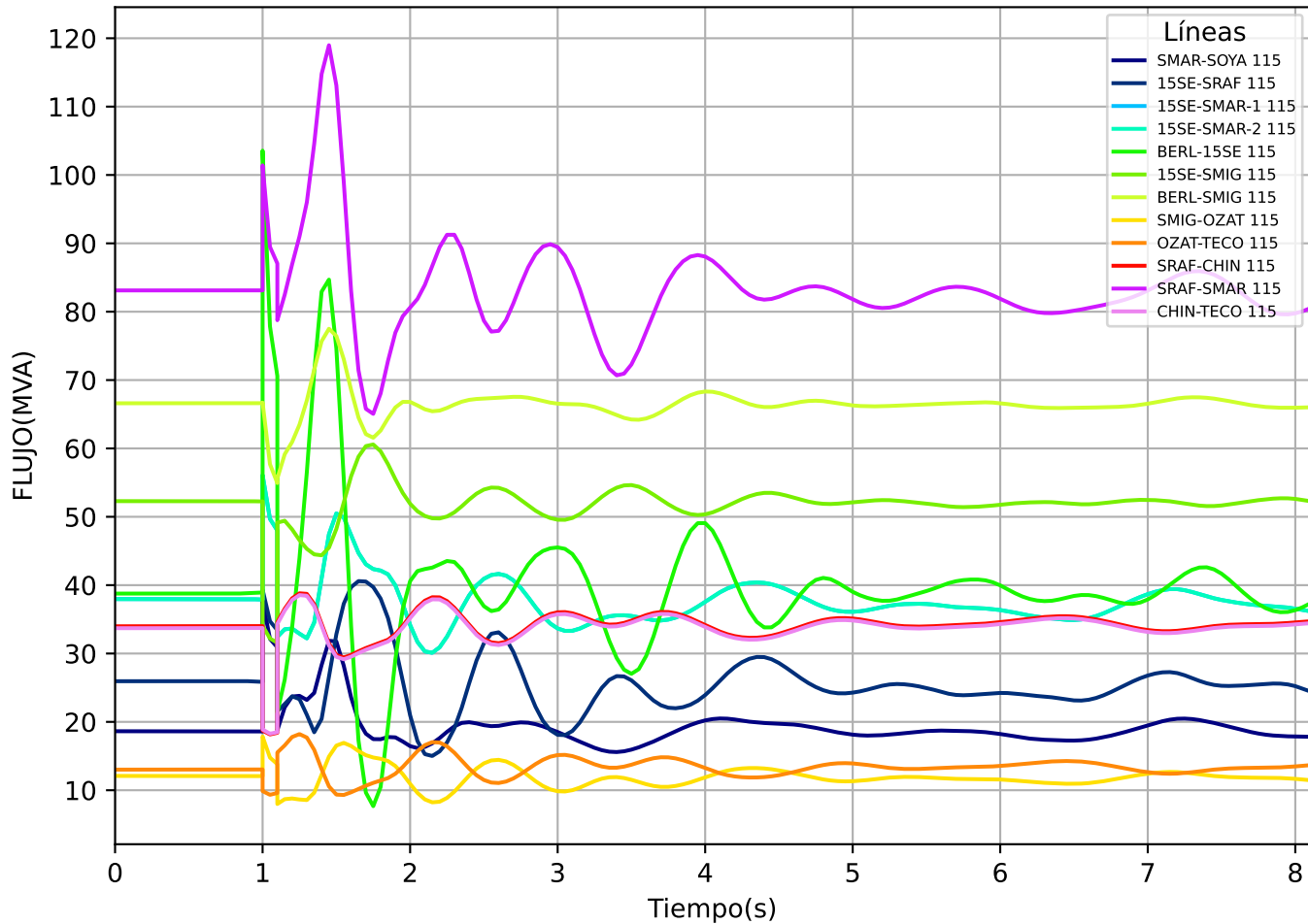
F17_EDP-AHUA: FLUJO L-115kV 1



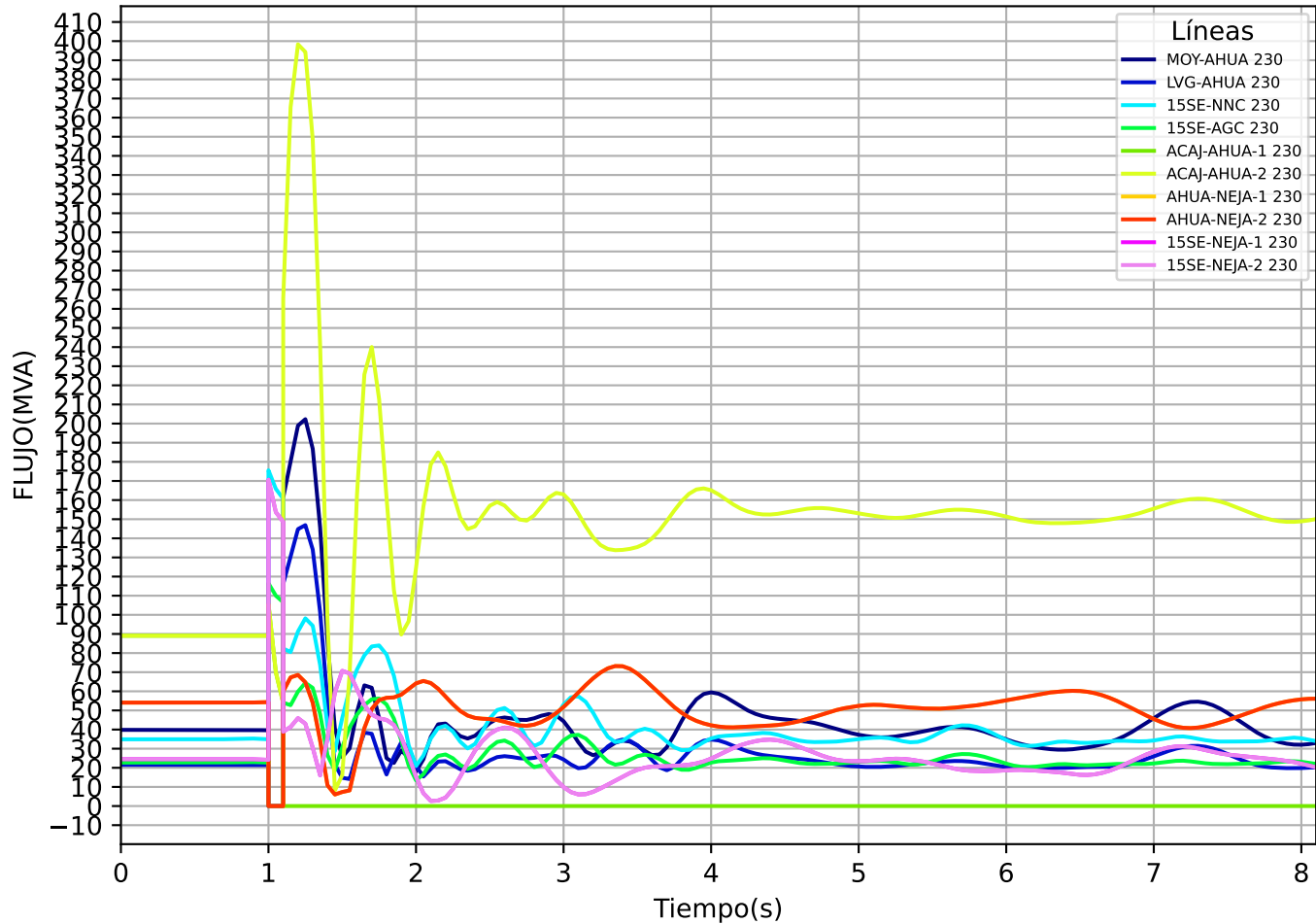
F17_EDP-AHUA: FLUJO L-115kV 2



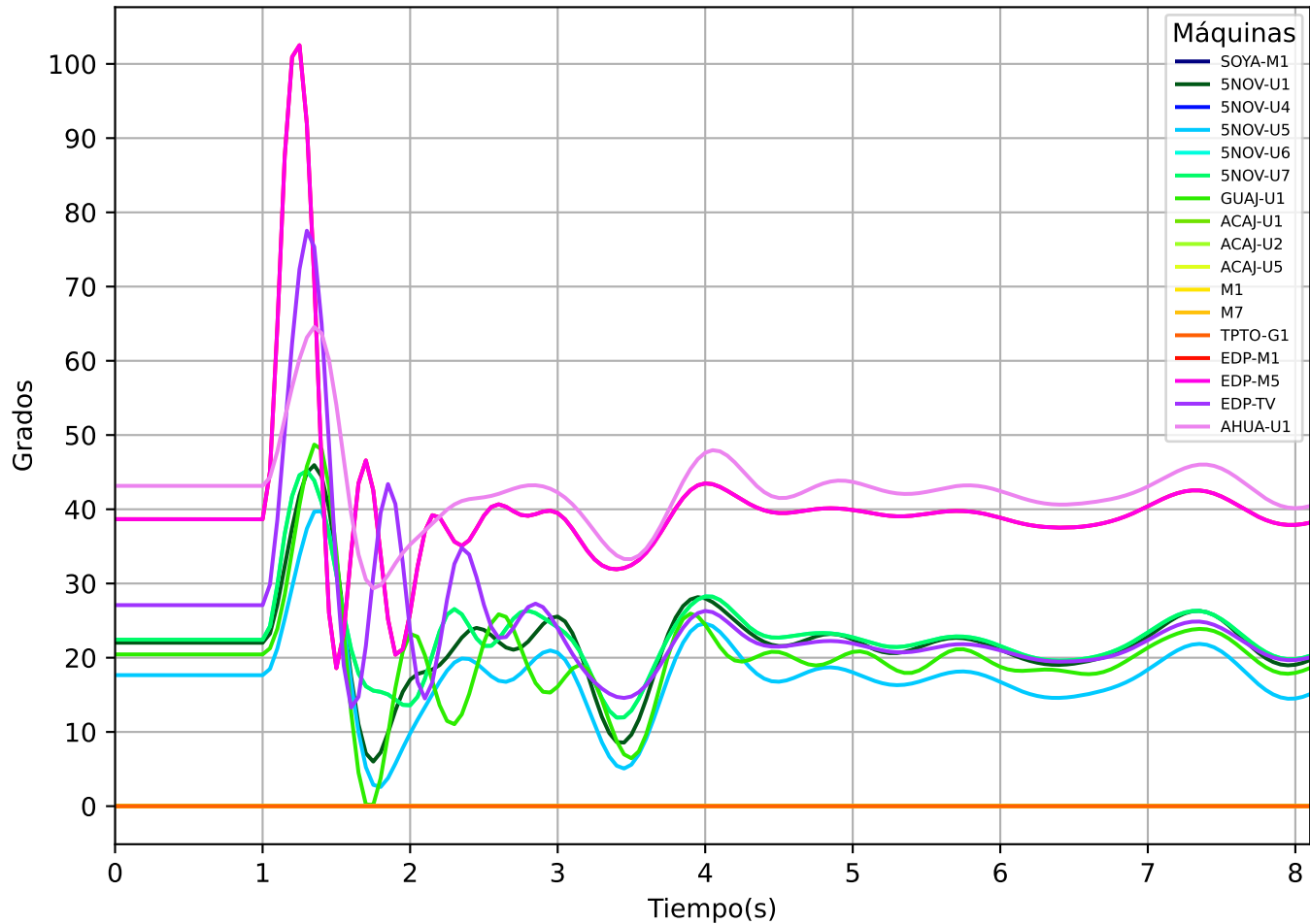
F17_EDP-AHUA: FLUJO L-115kV 3



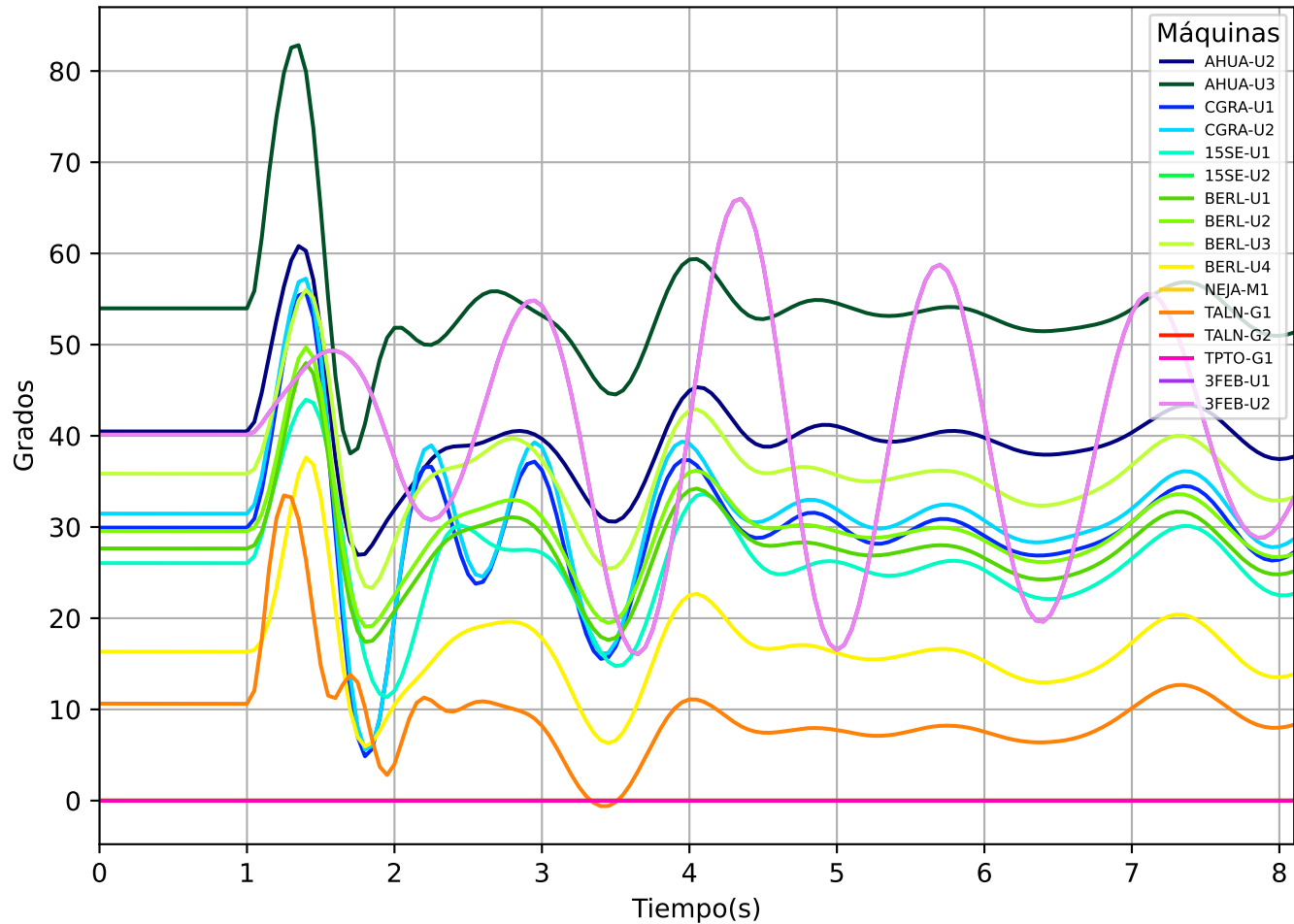
F17_EDP-AHUA: FLUJO L-230kV 4



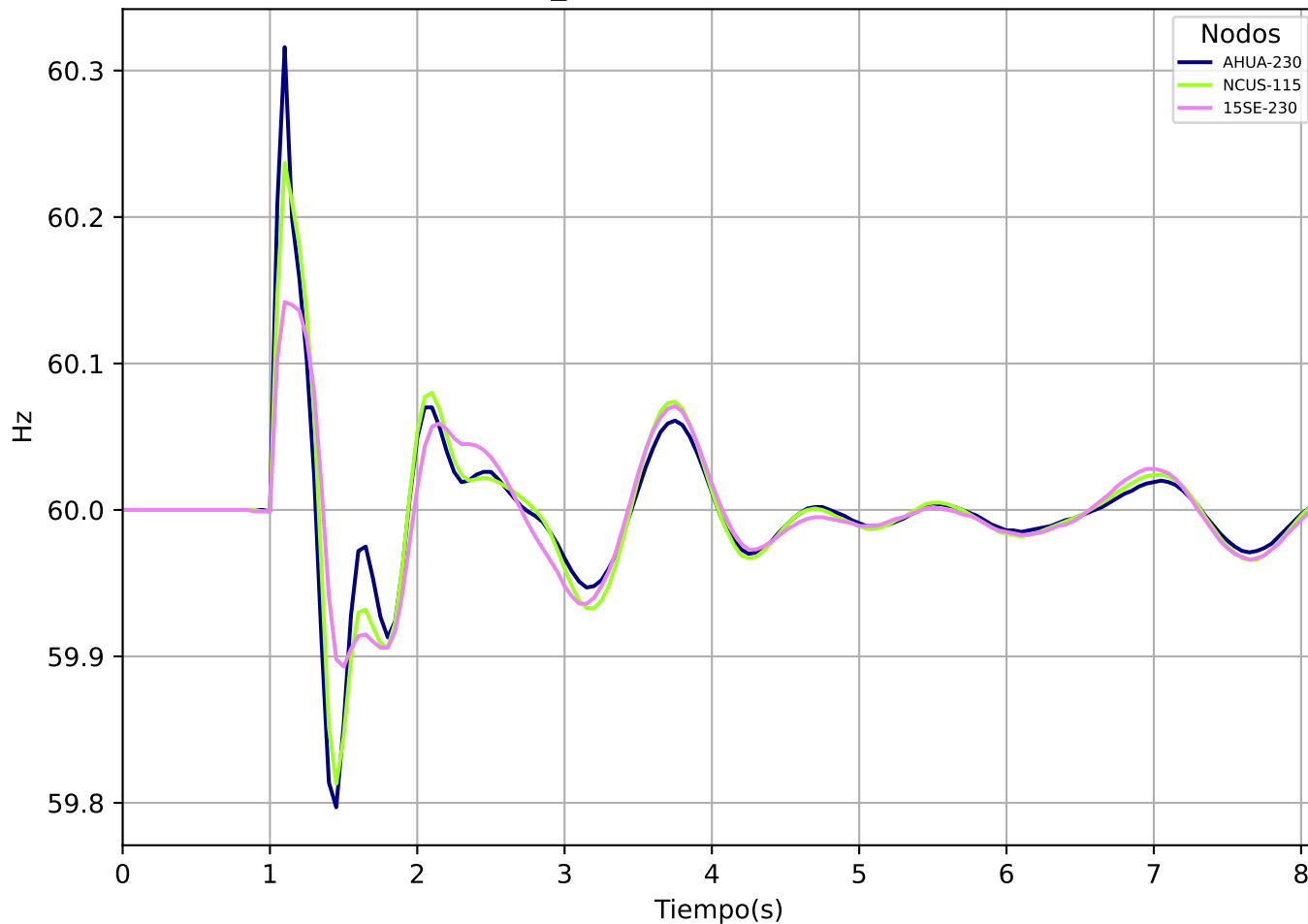
F17_EDP-AHUA: ANGULO ROTOR 1



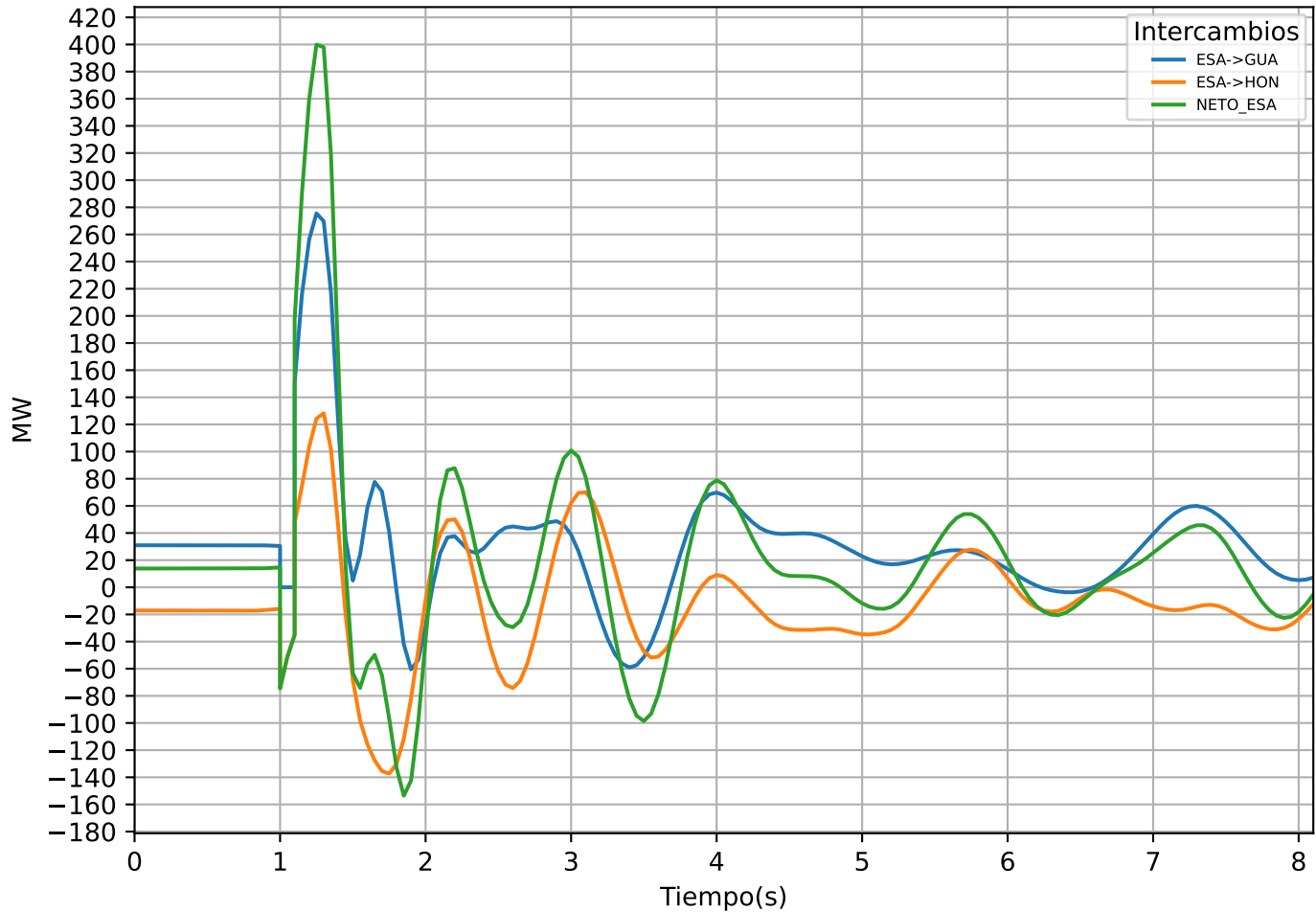
F17_EDP-AHUA: ANGULO ROTOR 2



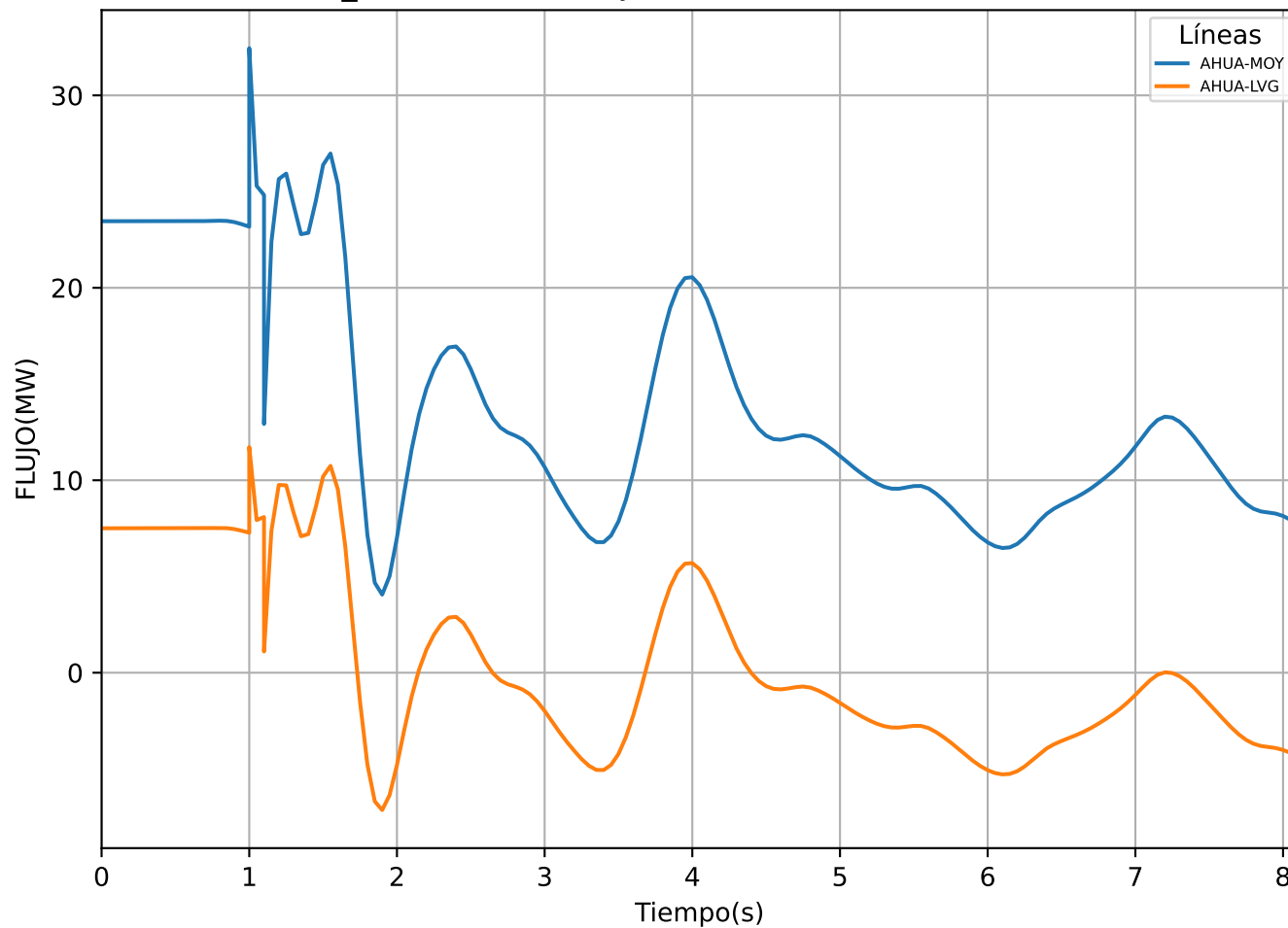
F17_EDP-AHUA: FRECUENCIA



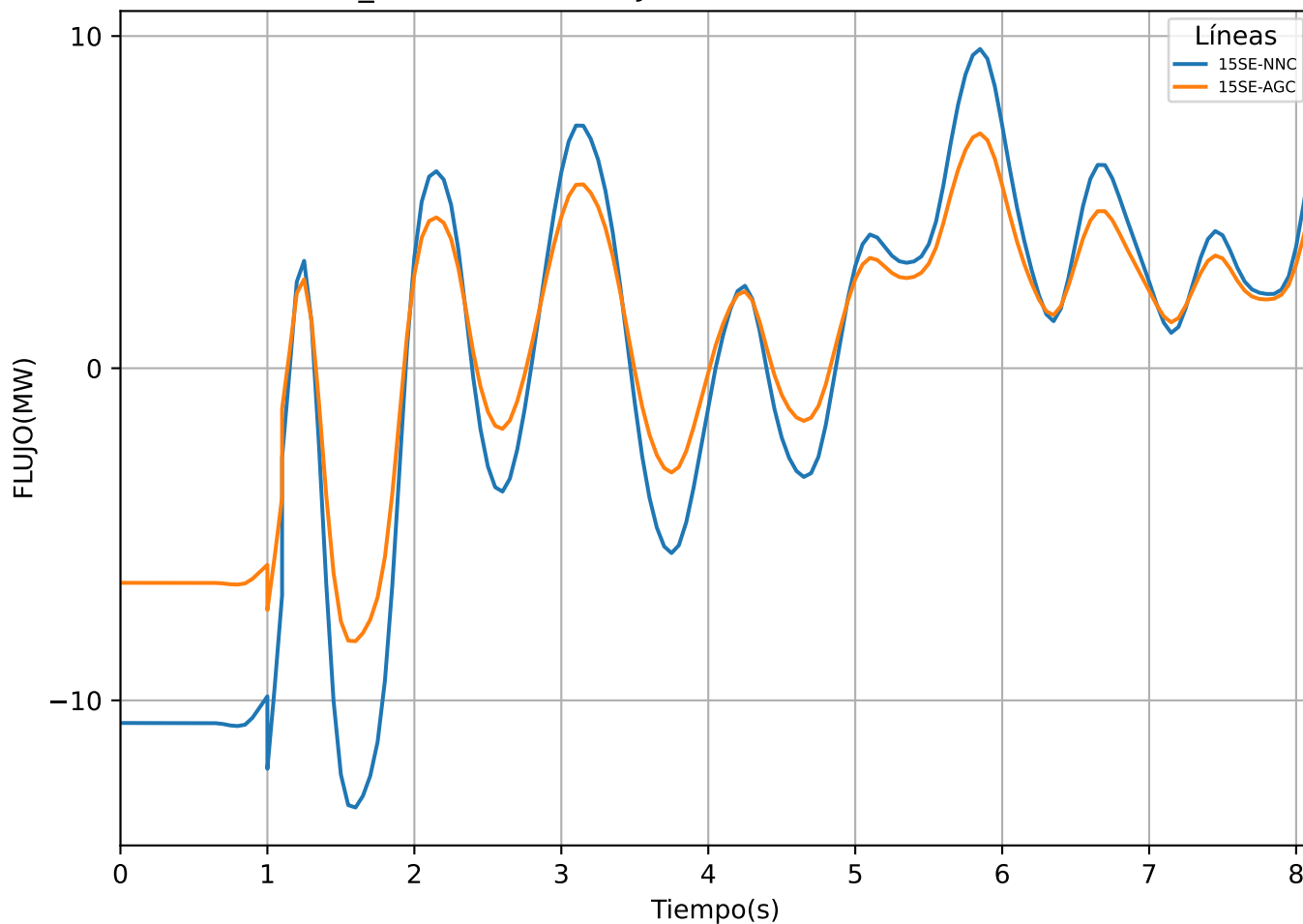
F17_EDP-AHUA: Intercambios ESA



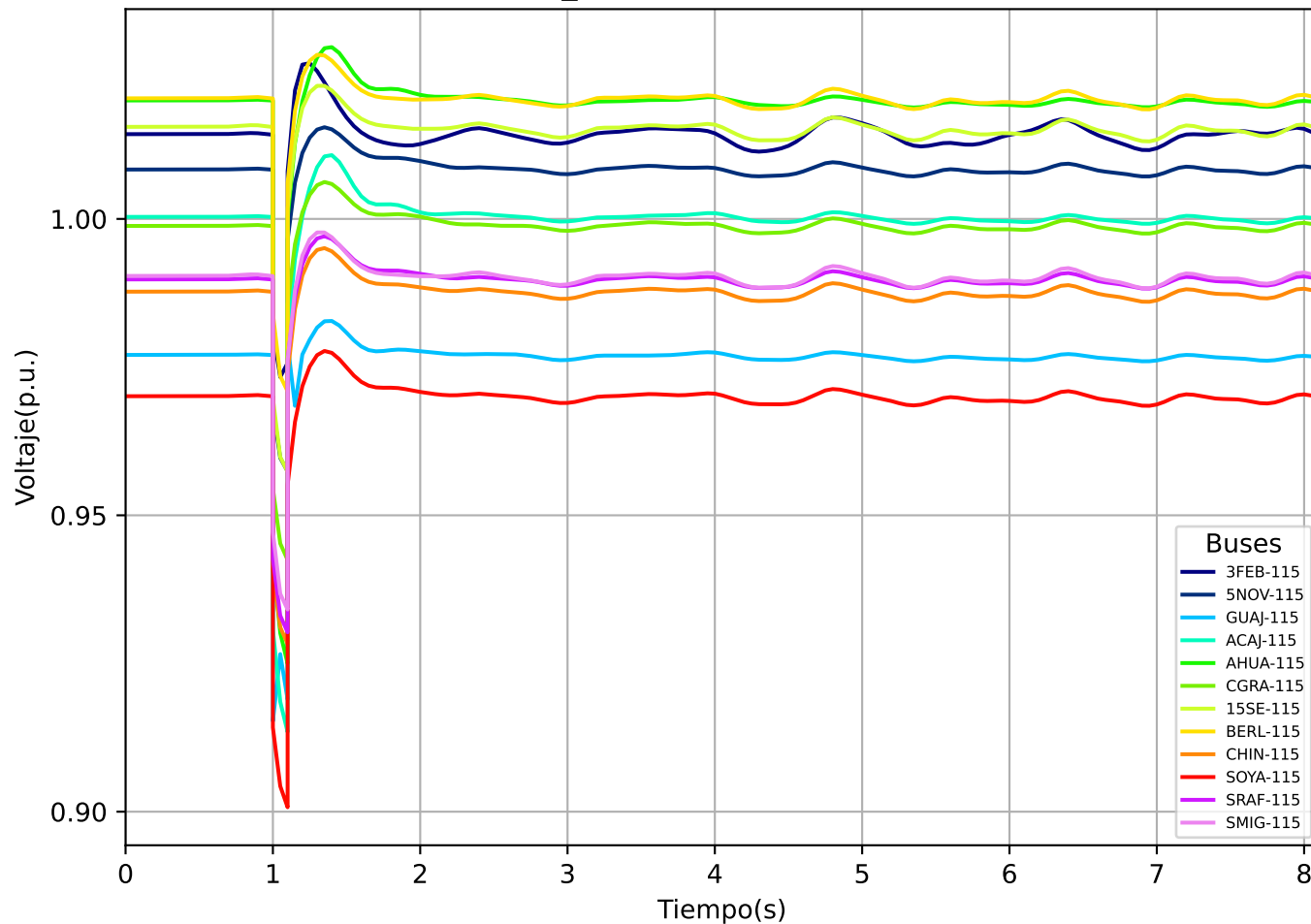
F18_GUAT-HOND: FLUJO INTERCONEXIONES ESA-GUA



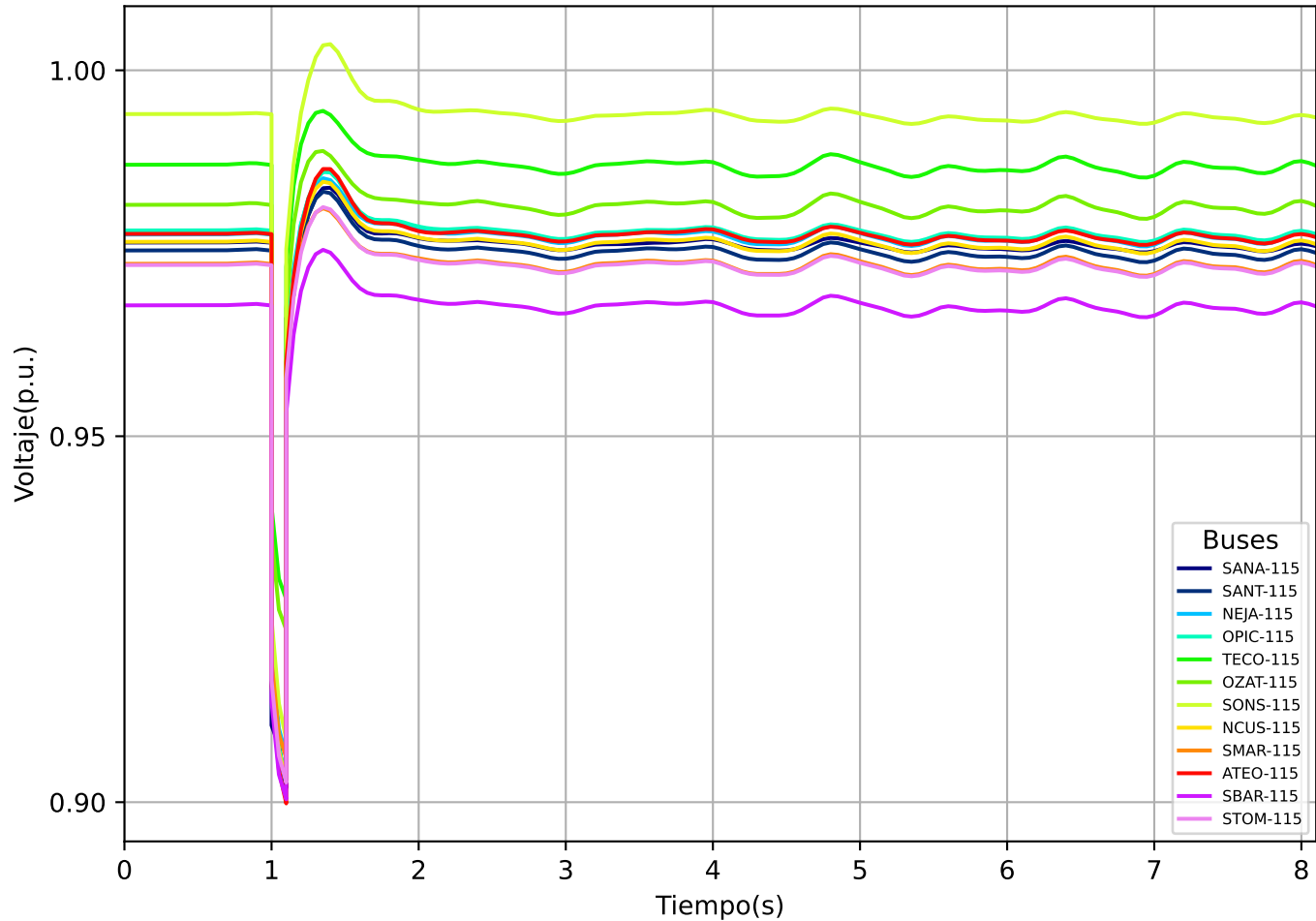
F18_GUAT-HOND: FLUJO INTERCONEXIONES ESA-HON



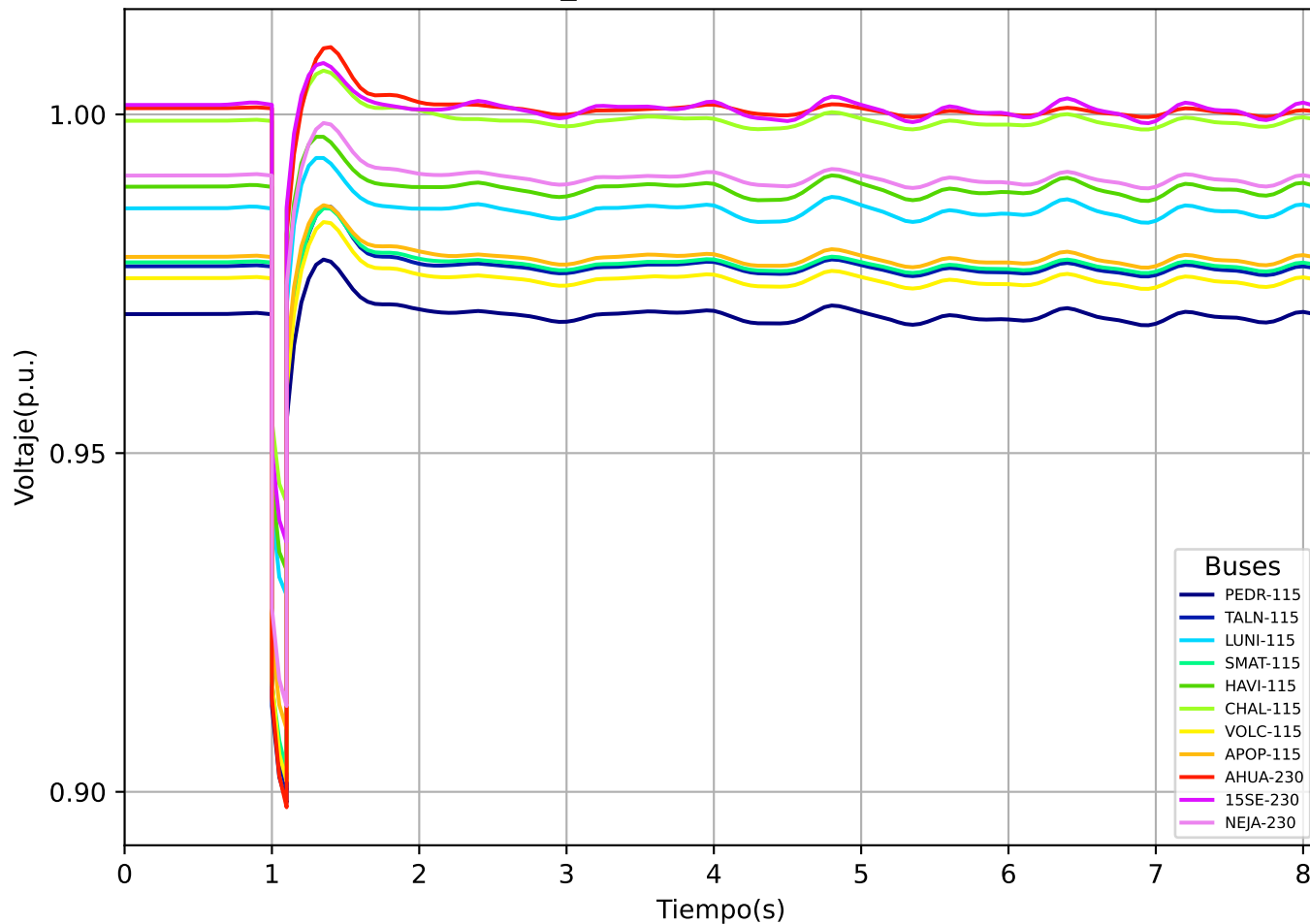
F18_GUAT-HOND: VOLTAJE 1



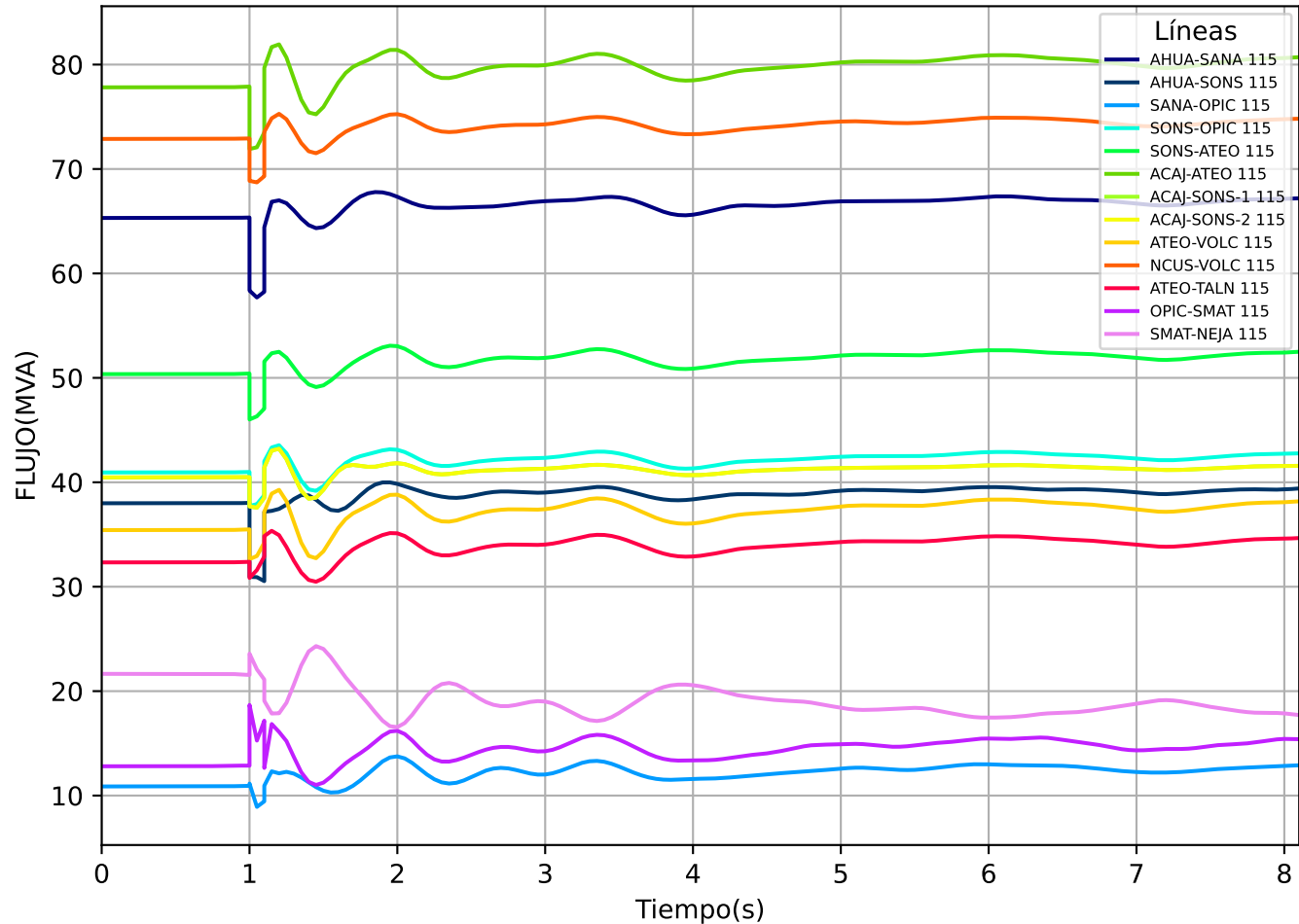
F18_GUAT-HOND: VOLTAJE 2



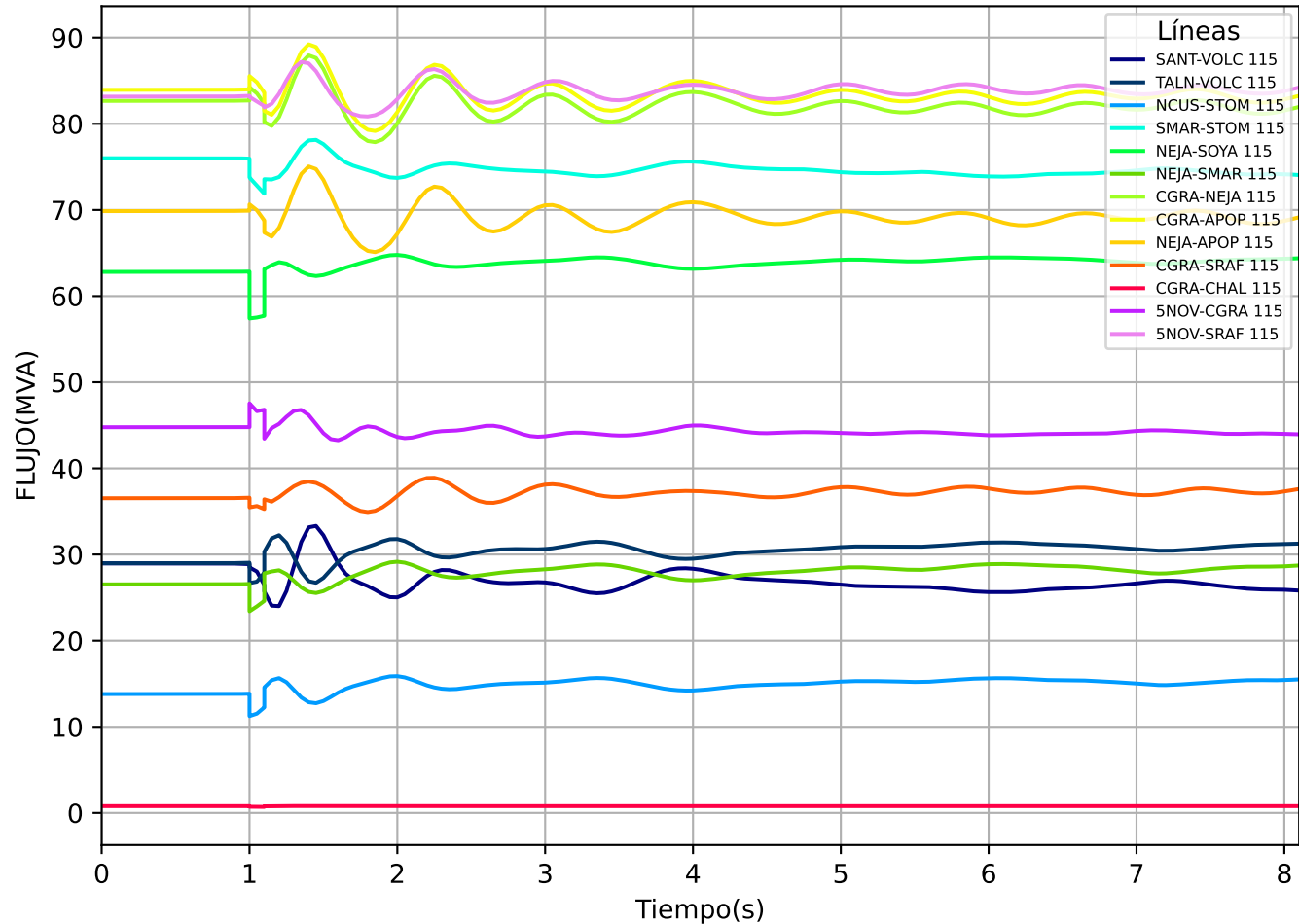
F18_GUAT-HOND: VOLTAJE 3



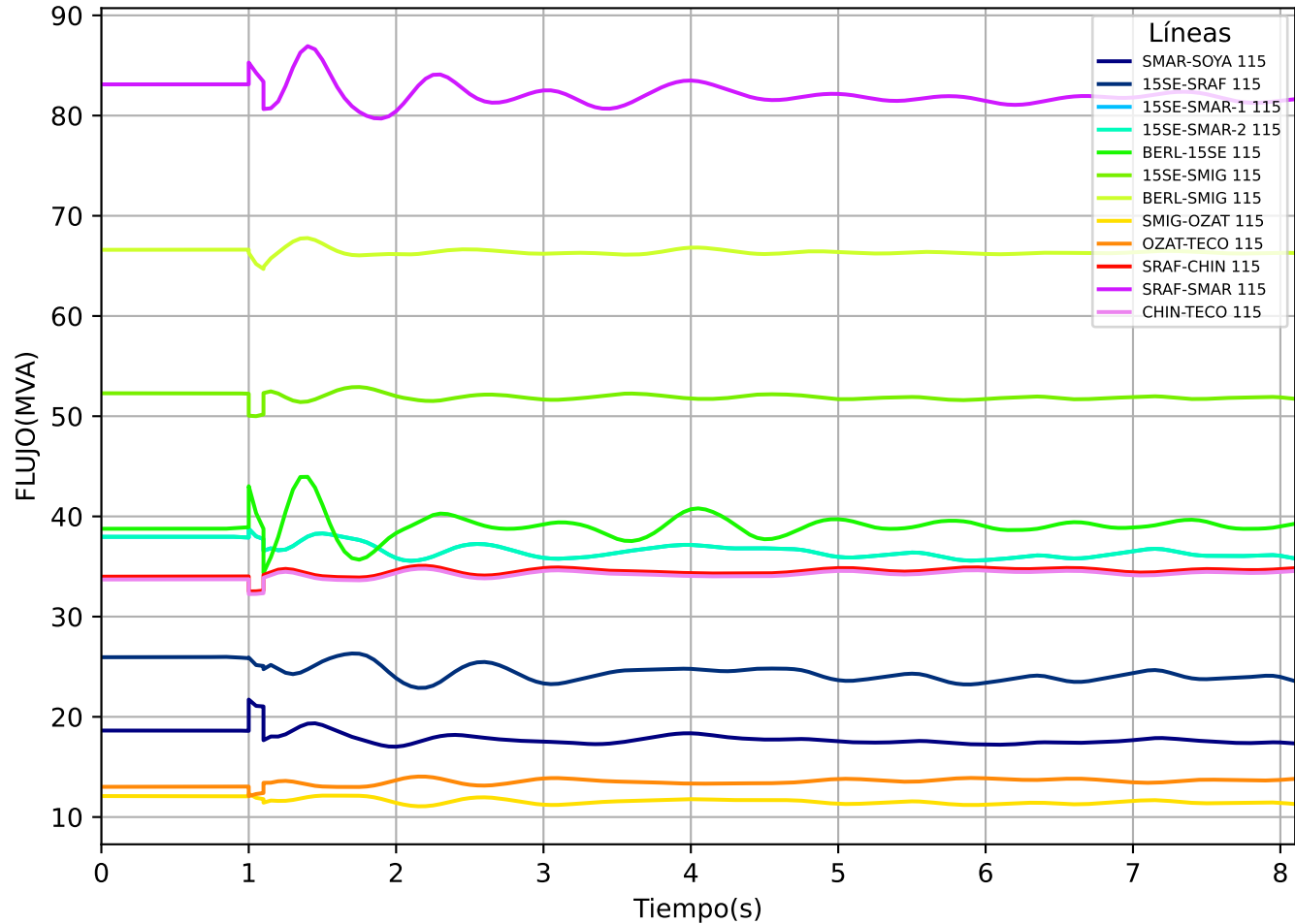
F18_GUAT-HOND: FLUJO L-115kV 1



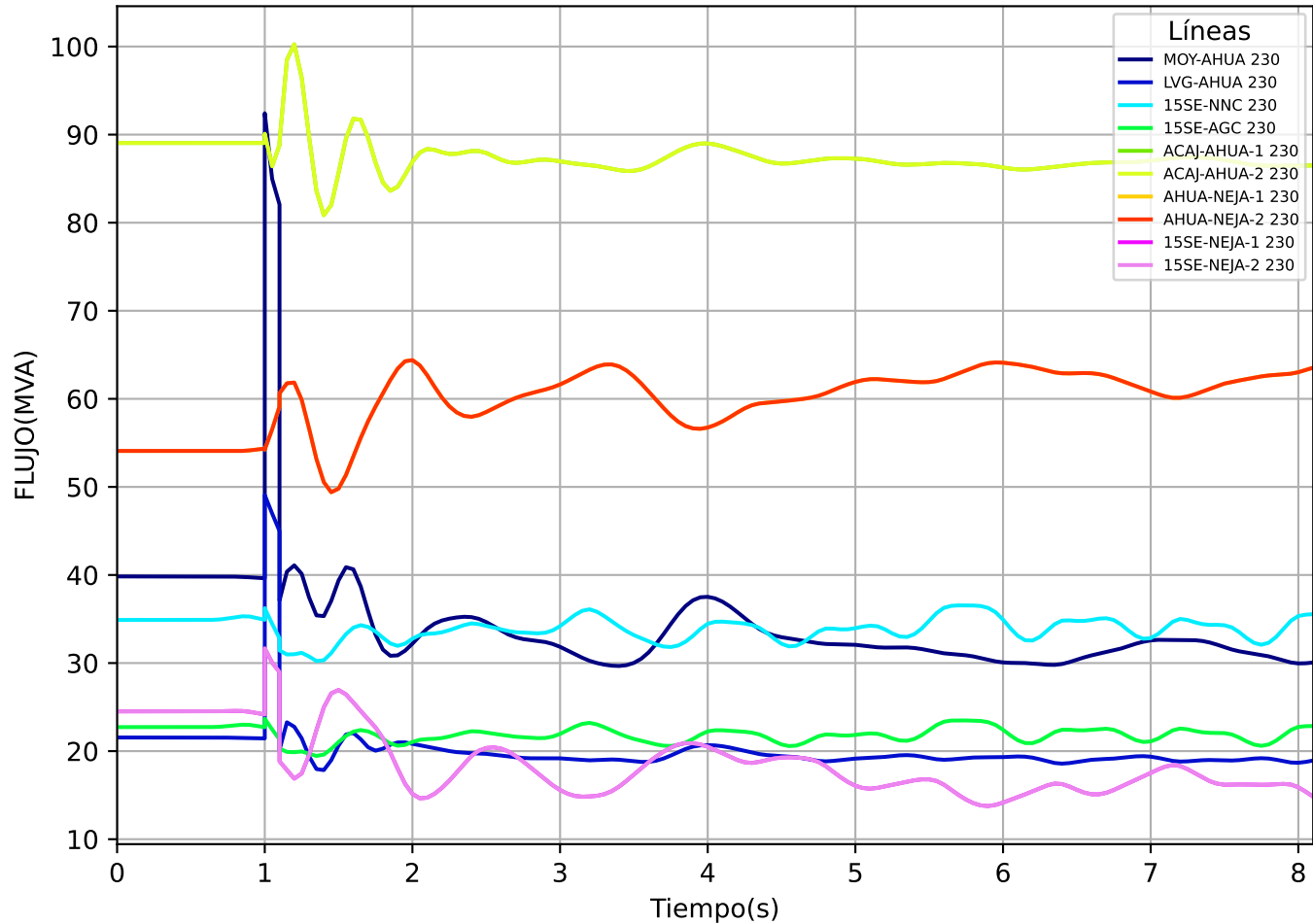
F18_GUAT-HOND: FLUJO L-115kV 2



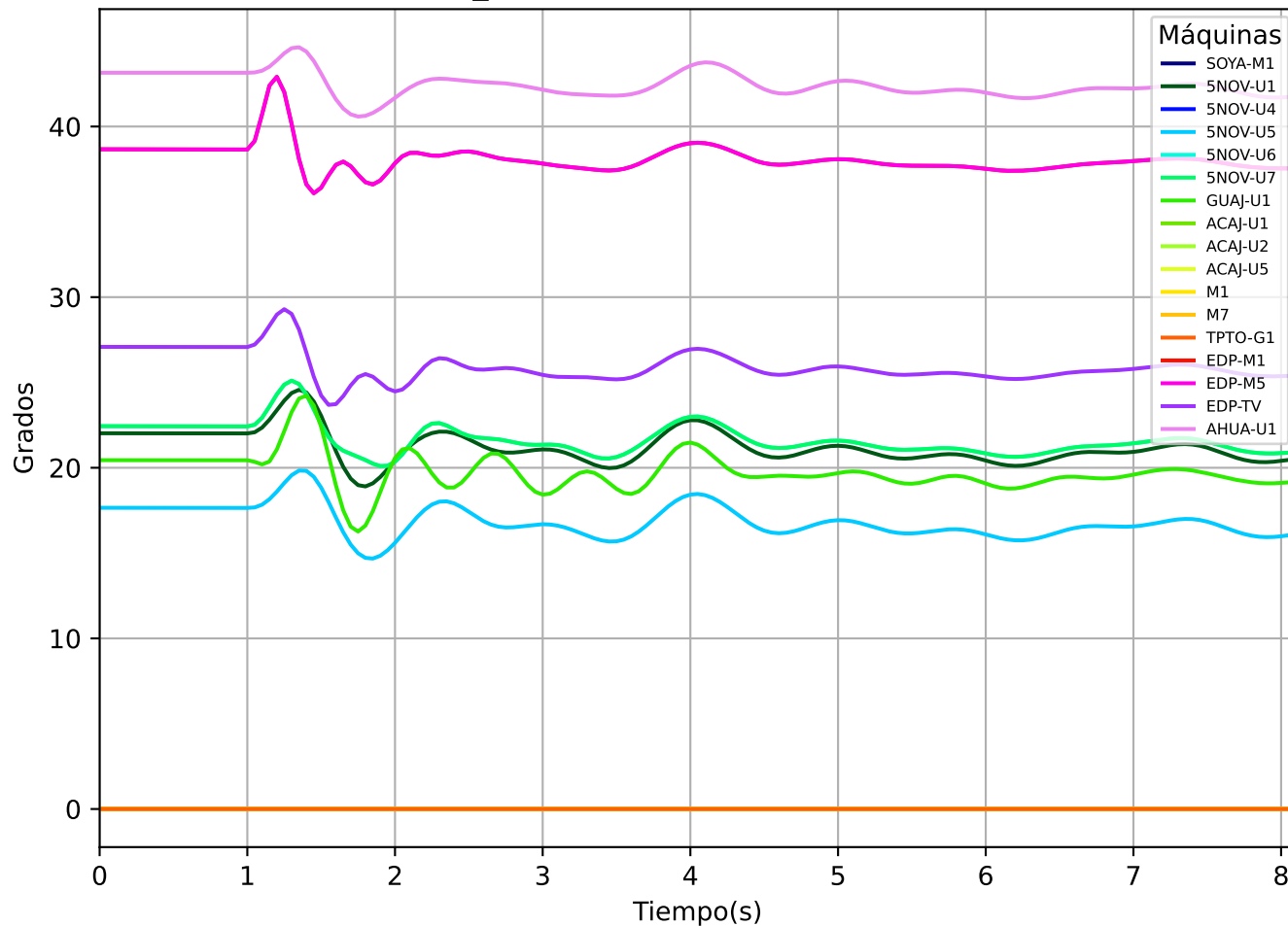
F18_GUAT-HOND: FLUJO L-115kV 3



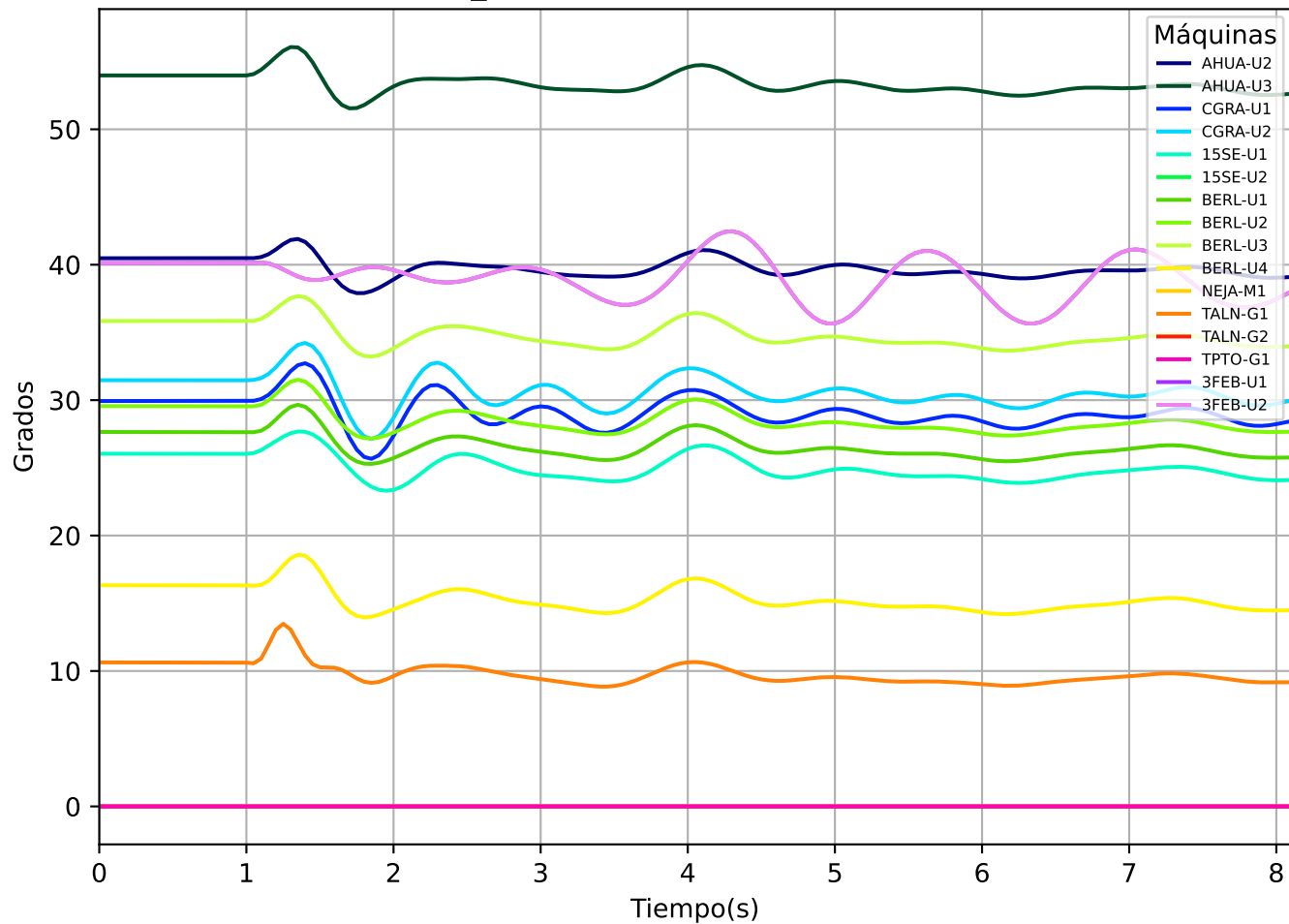
F18_GUAT-HOND: FLUJO L-230kV 4



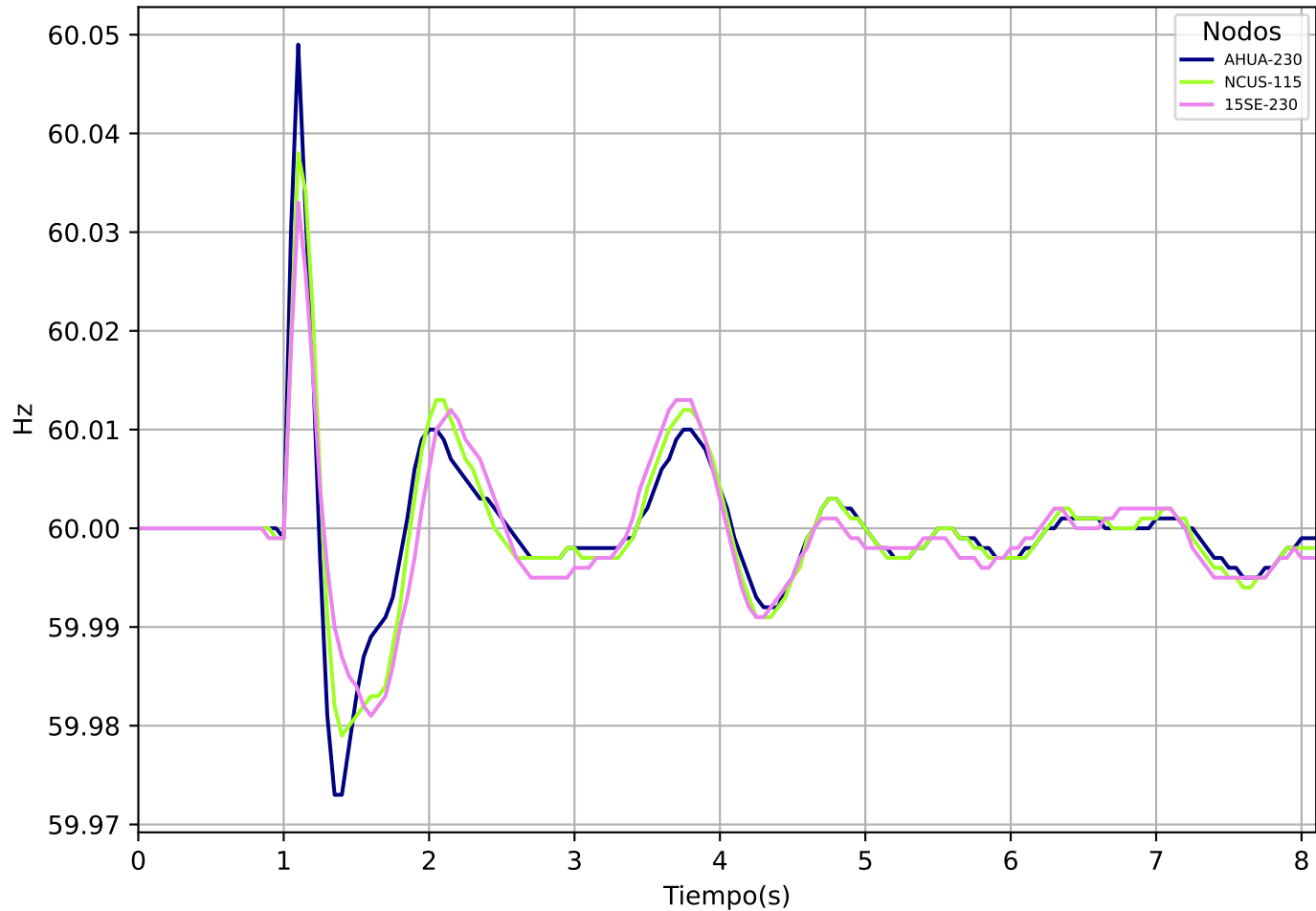
F18_GUAT-HOND: ANGULO ROTOR 1



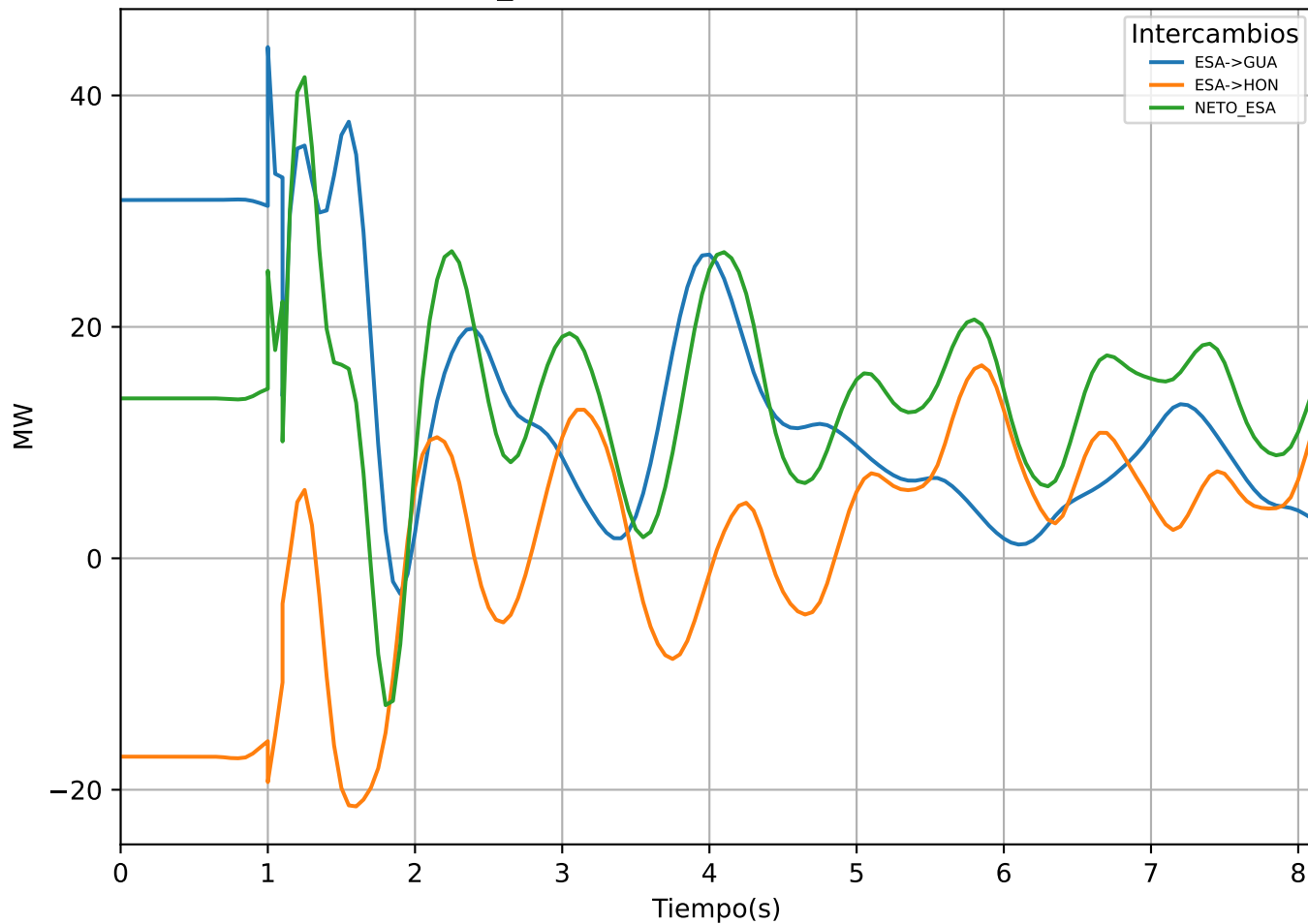
F18_GUAT-HOND: ANGULO ROTOR 2



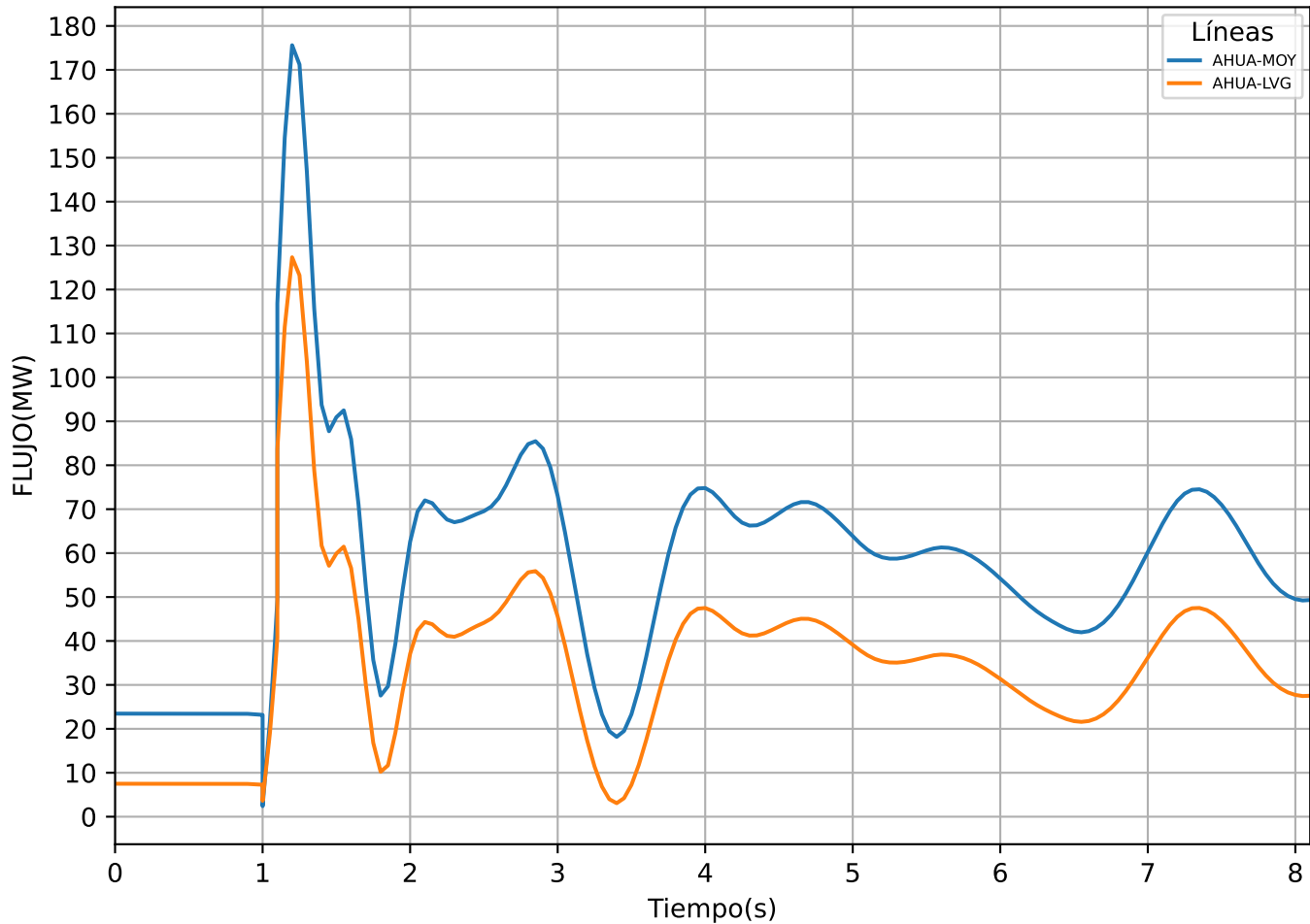
F18_GUAT-HOND: FRECUENCIA



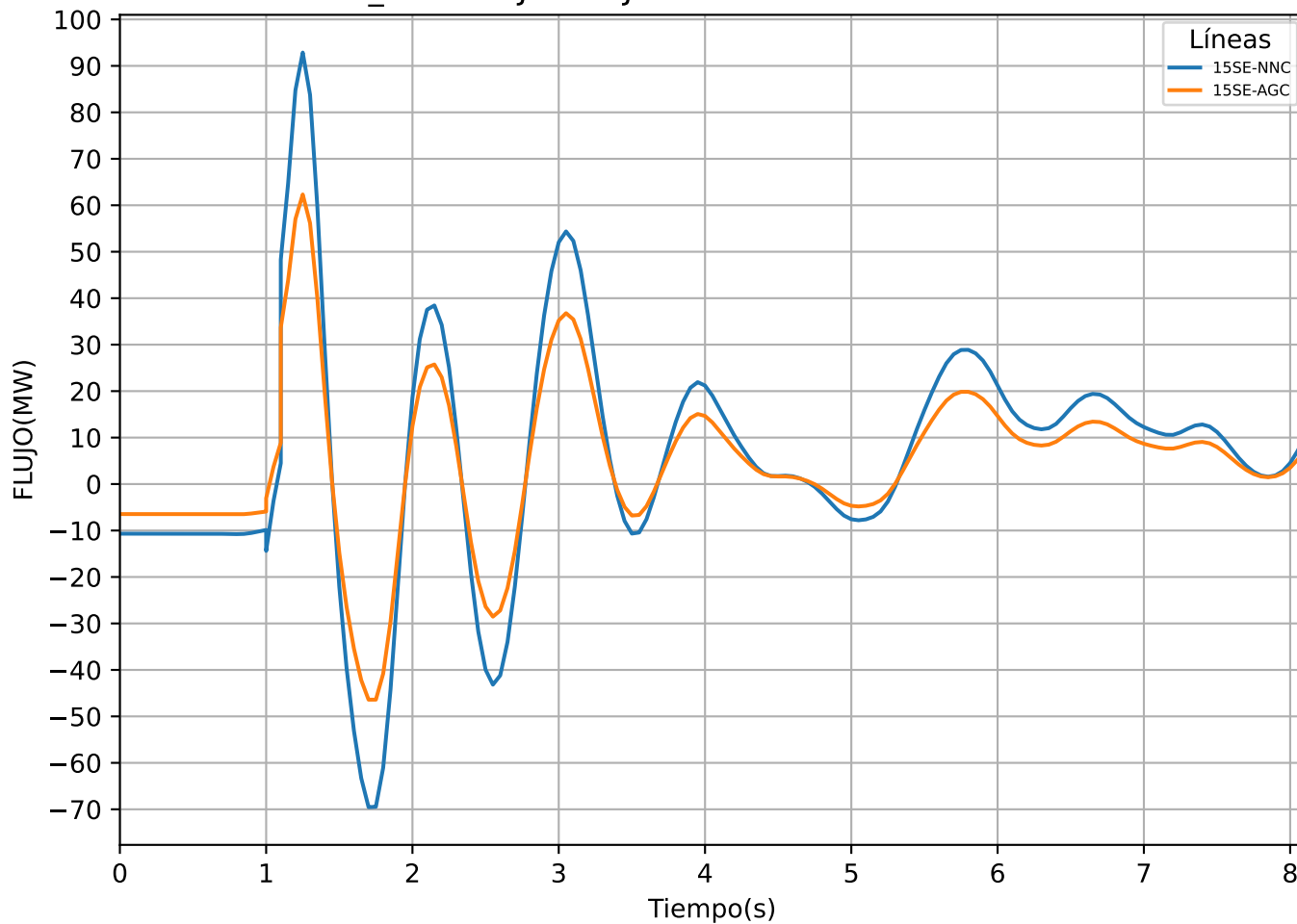
F18_GUAT-HOND: Intercambios ESA



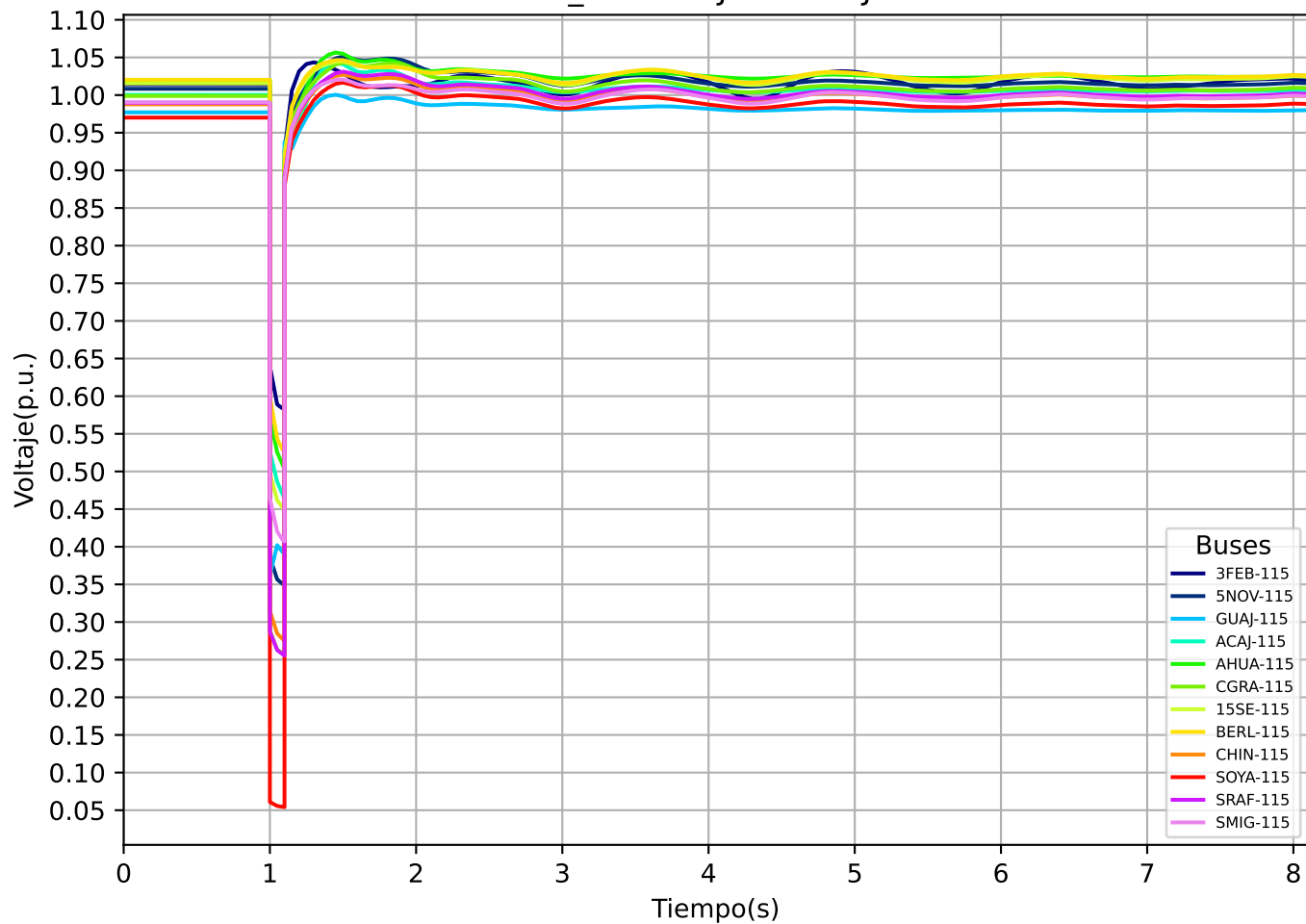
F19_SMAT-NEJA: FLUJO INTERCONEXIONES ESA-GUA



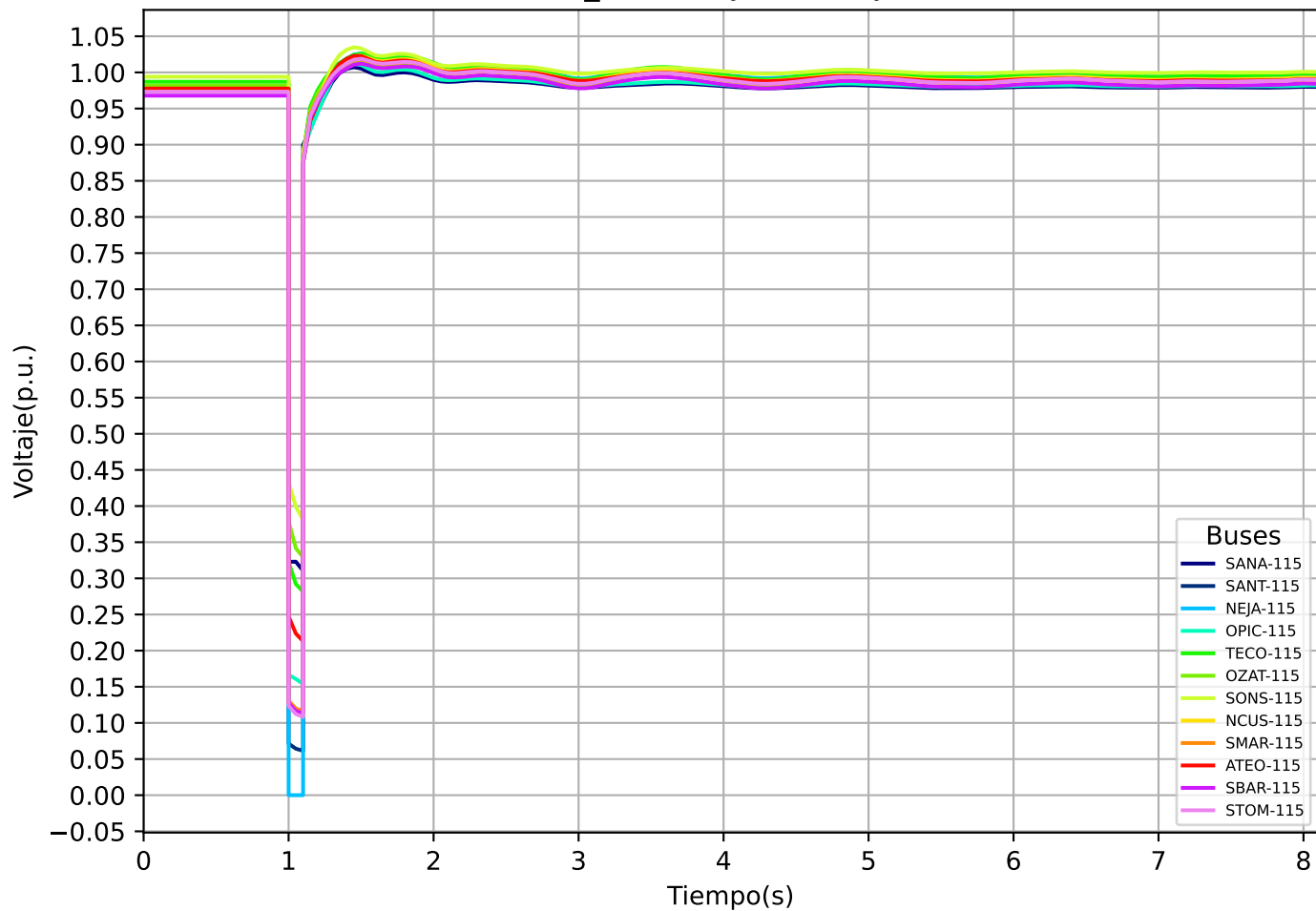
F19_SMAT-NEJA: FLUJO INTERCONEXIONES ESA-HON



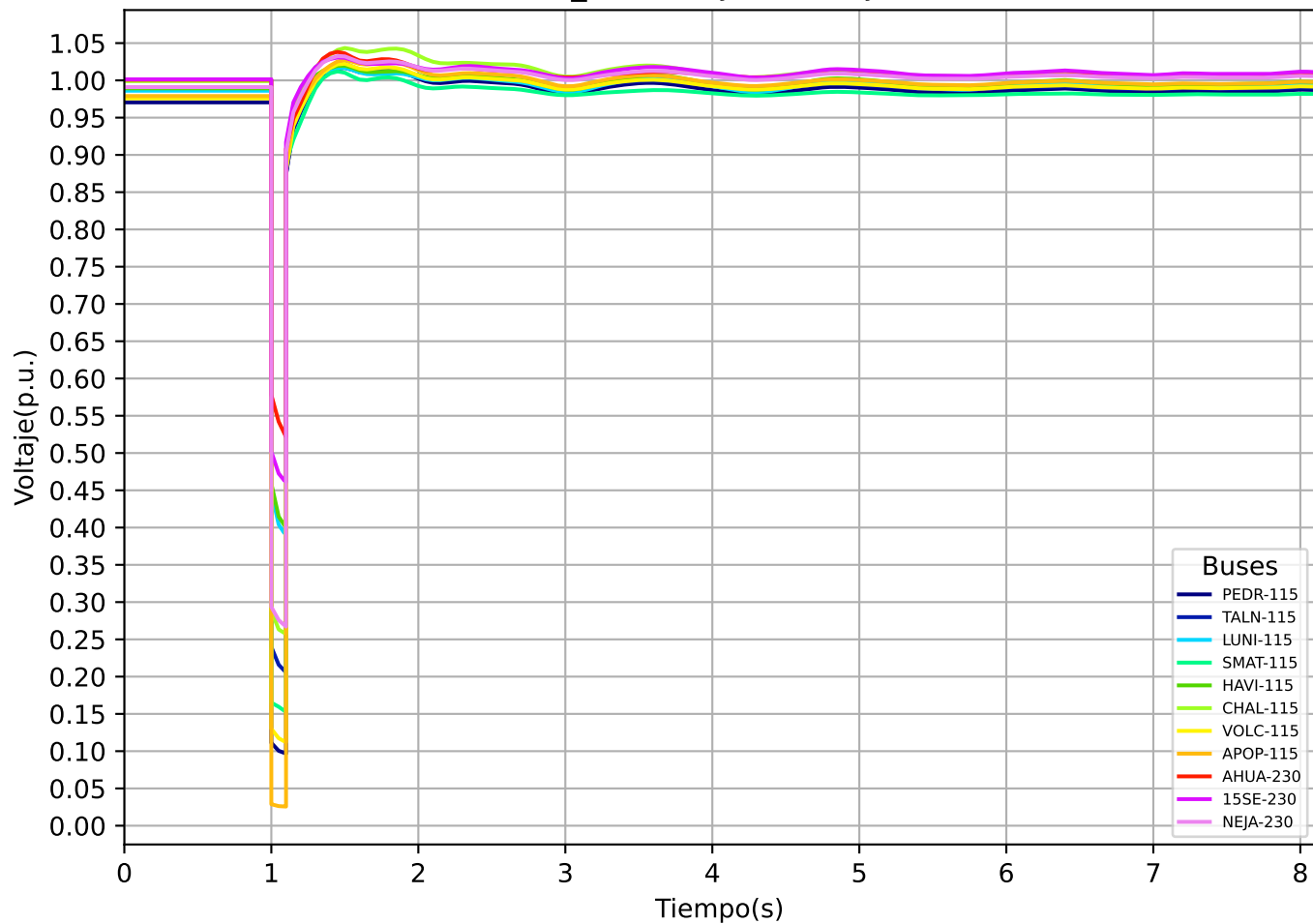
F19_SMAT-NEJA: VOLTAJE 1



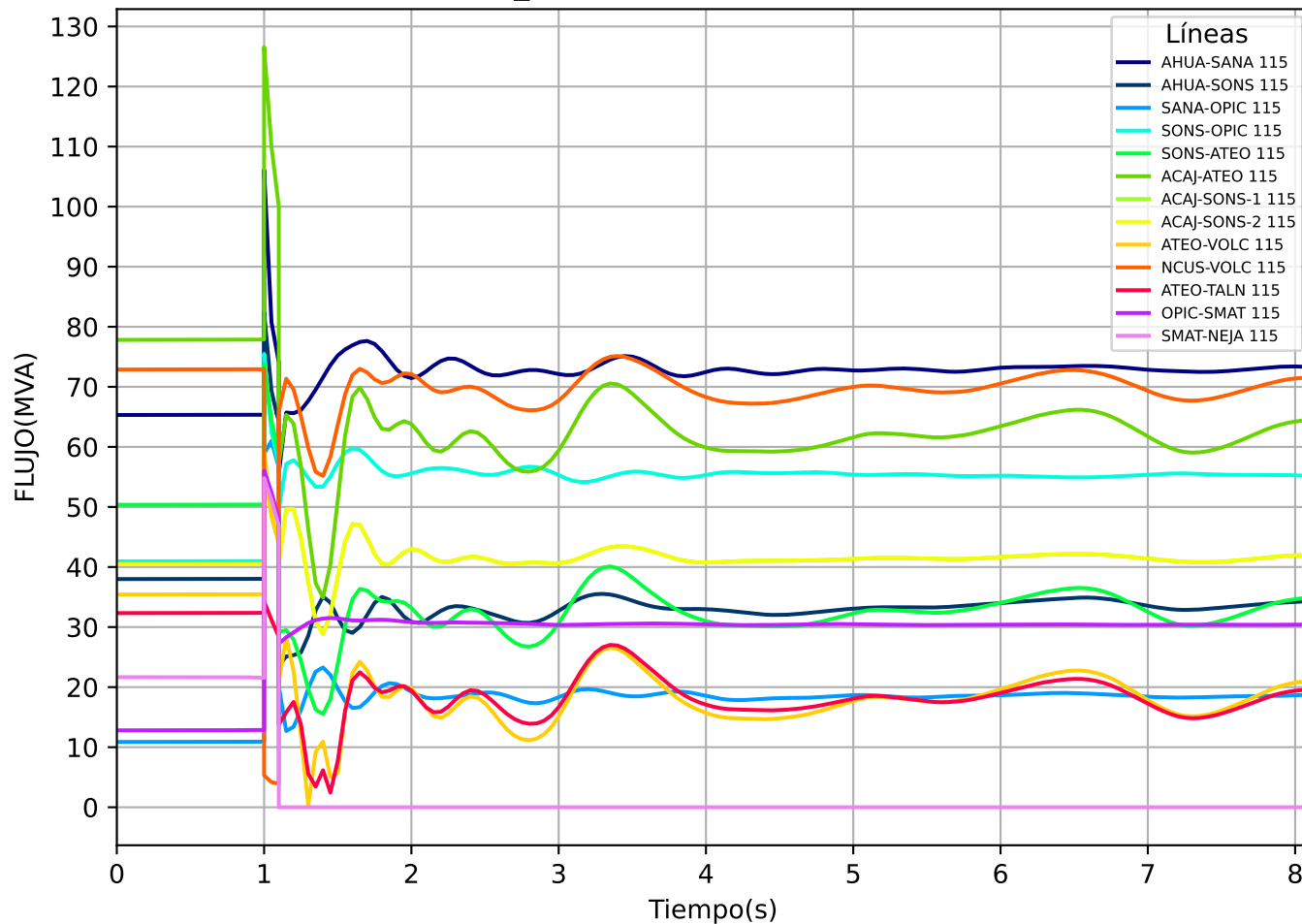
F19_SMAT-NEJA: VOLTAJE 2



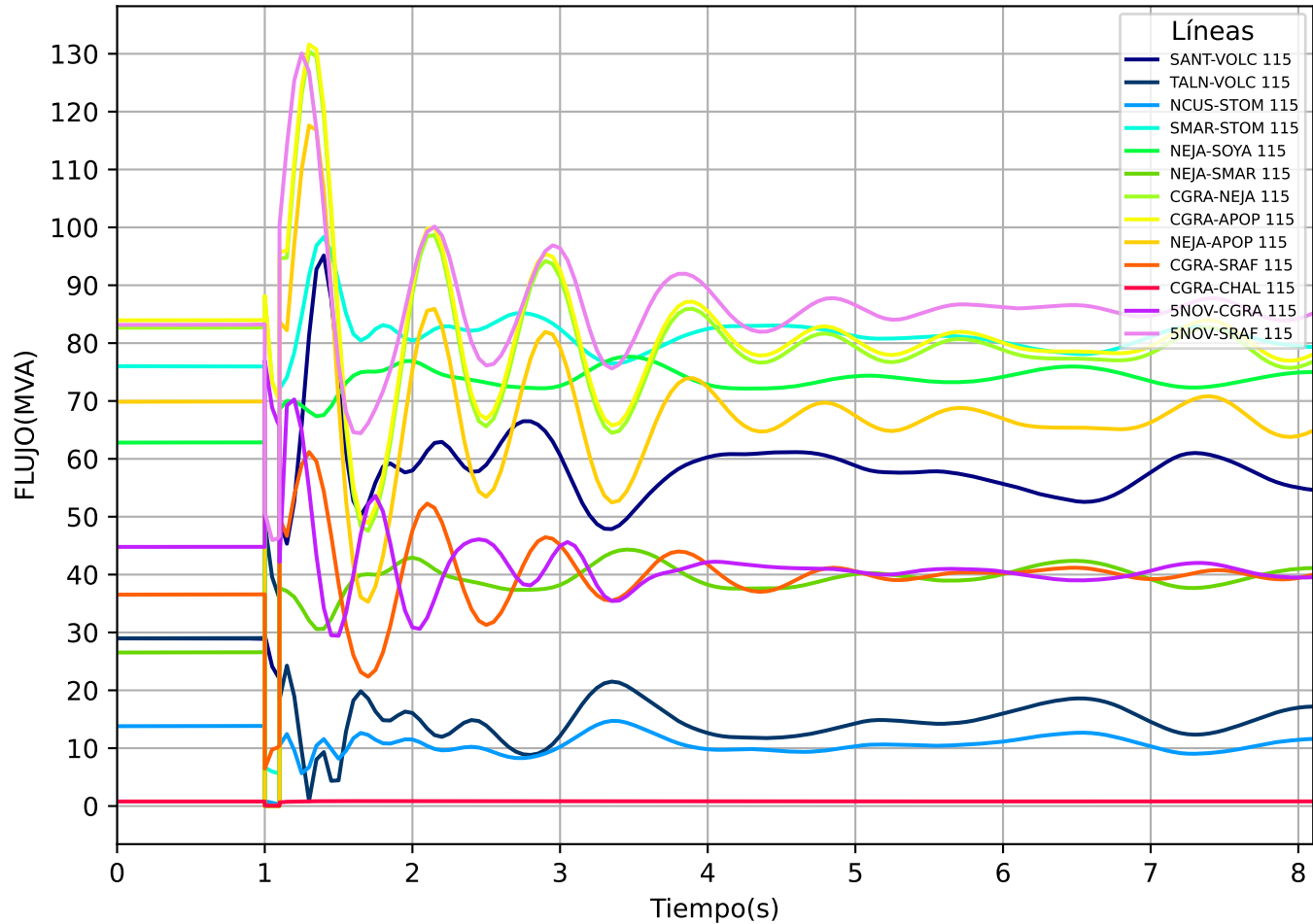
F19_SMAT-NEJA: VOLTAJE 3



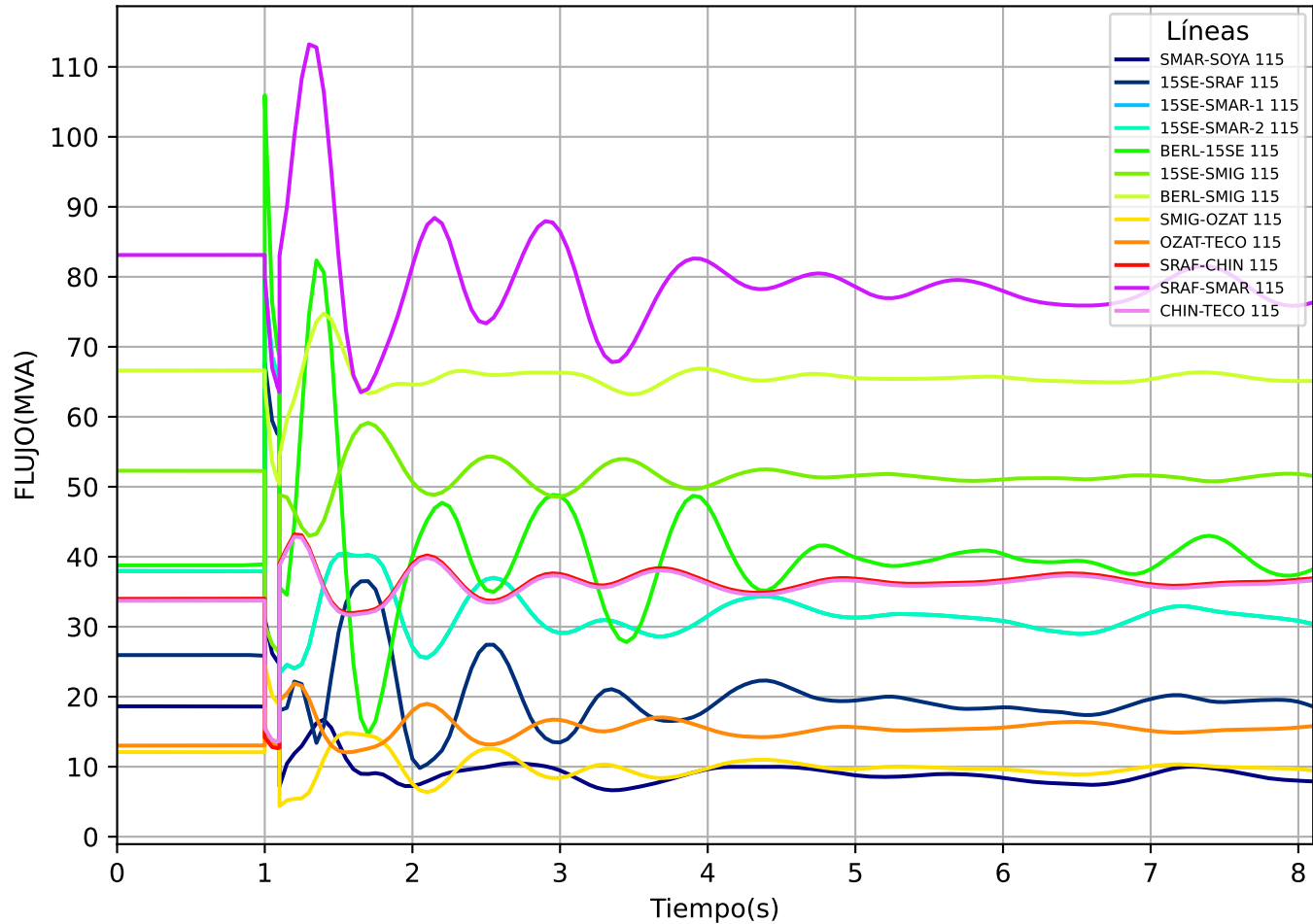
F19_SMAT-NEJA: FLUJO L-115kV 1



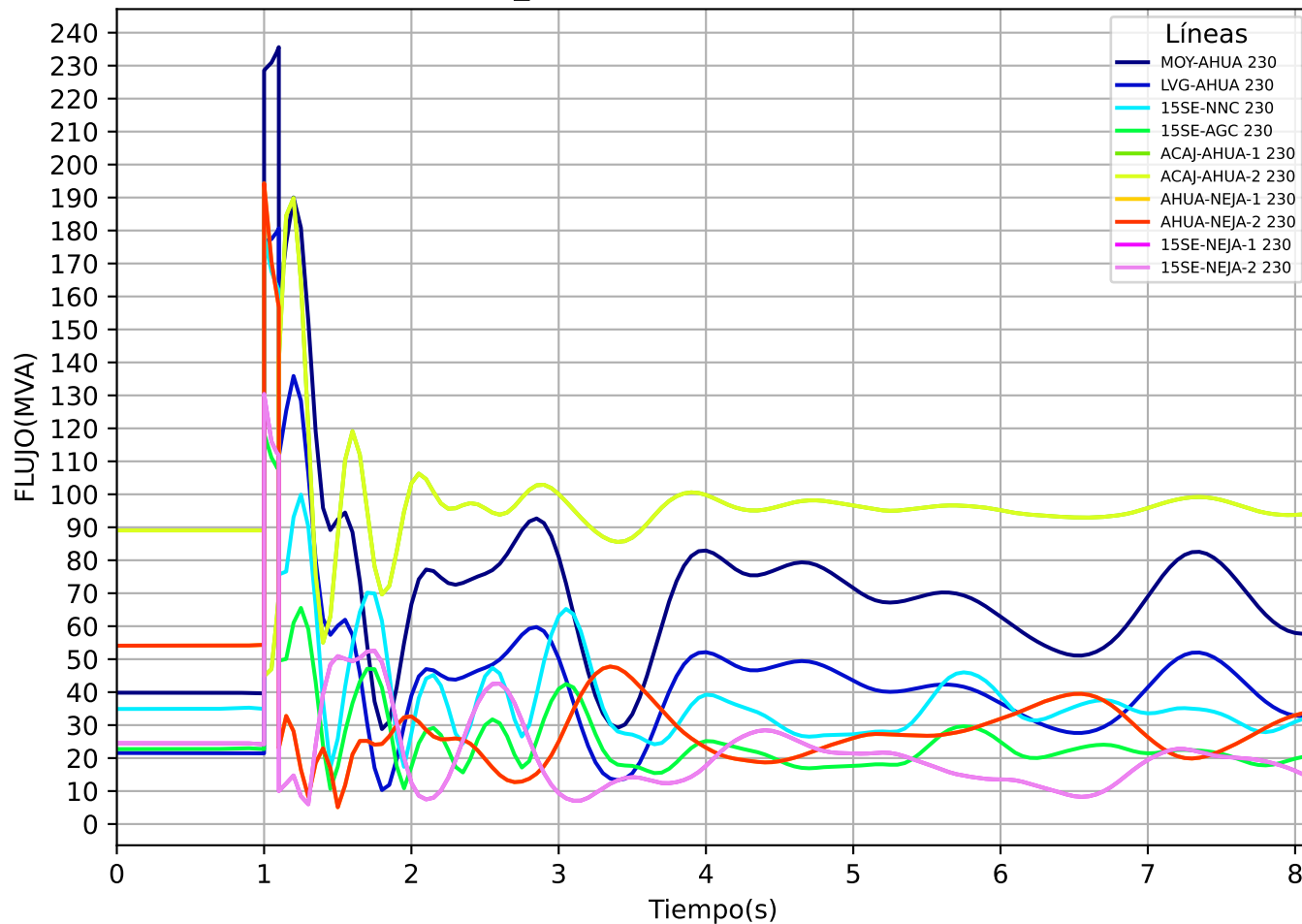
F19_SMAT-NEJA: FLUJO L-115kV 2



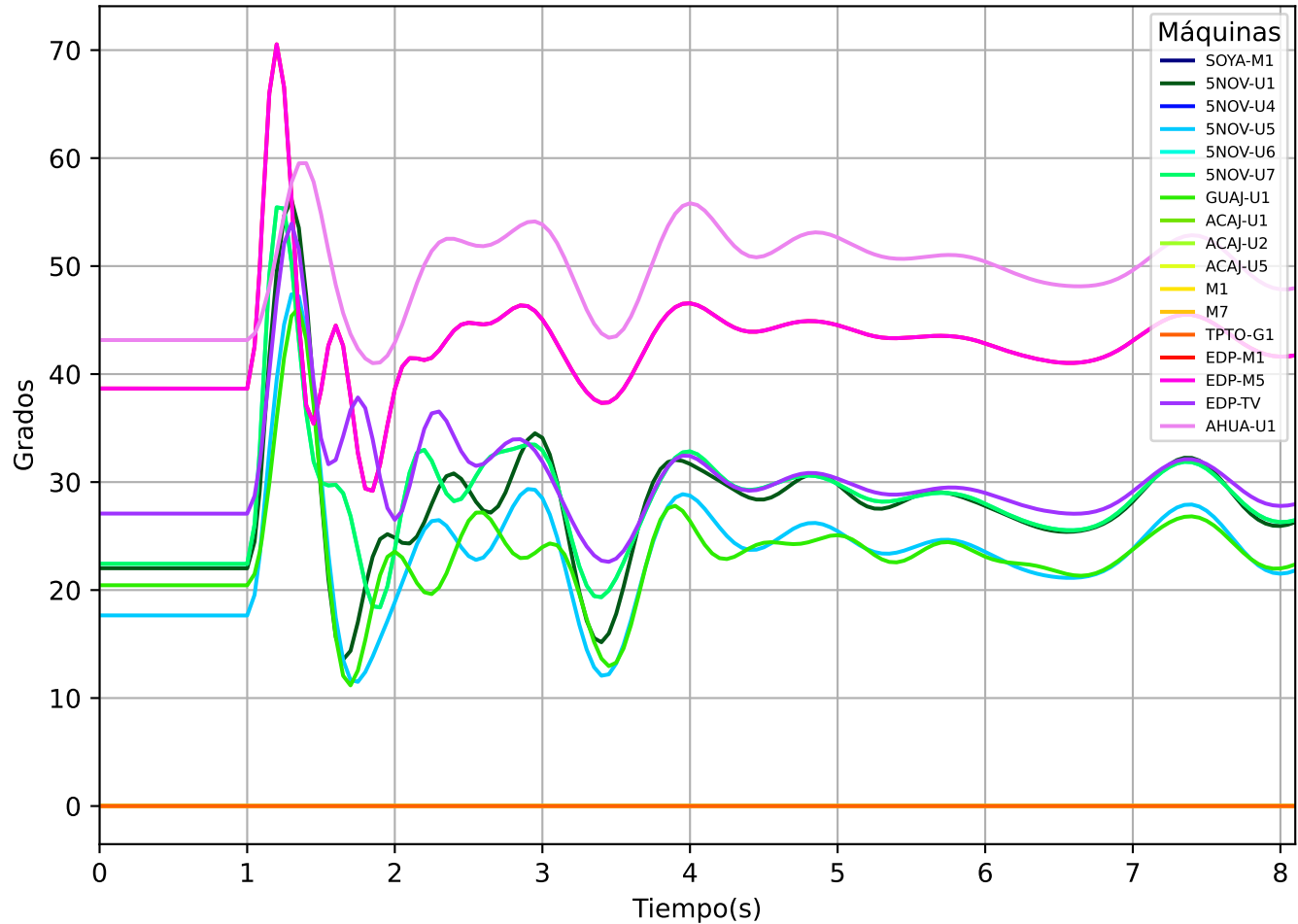
F19_SMAT-NEJA: FLUJO L-115kV 3



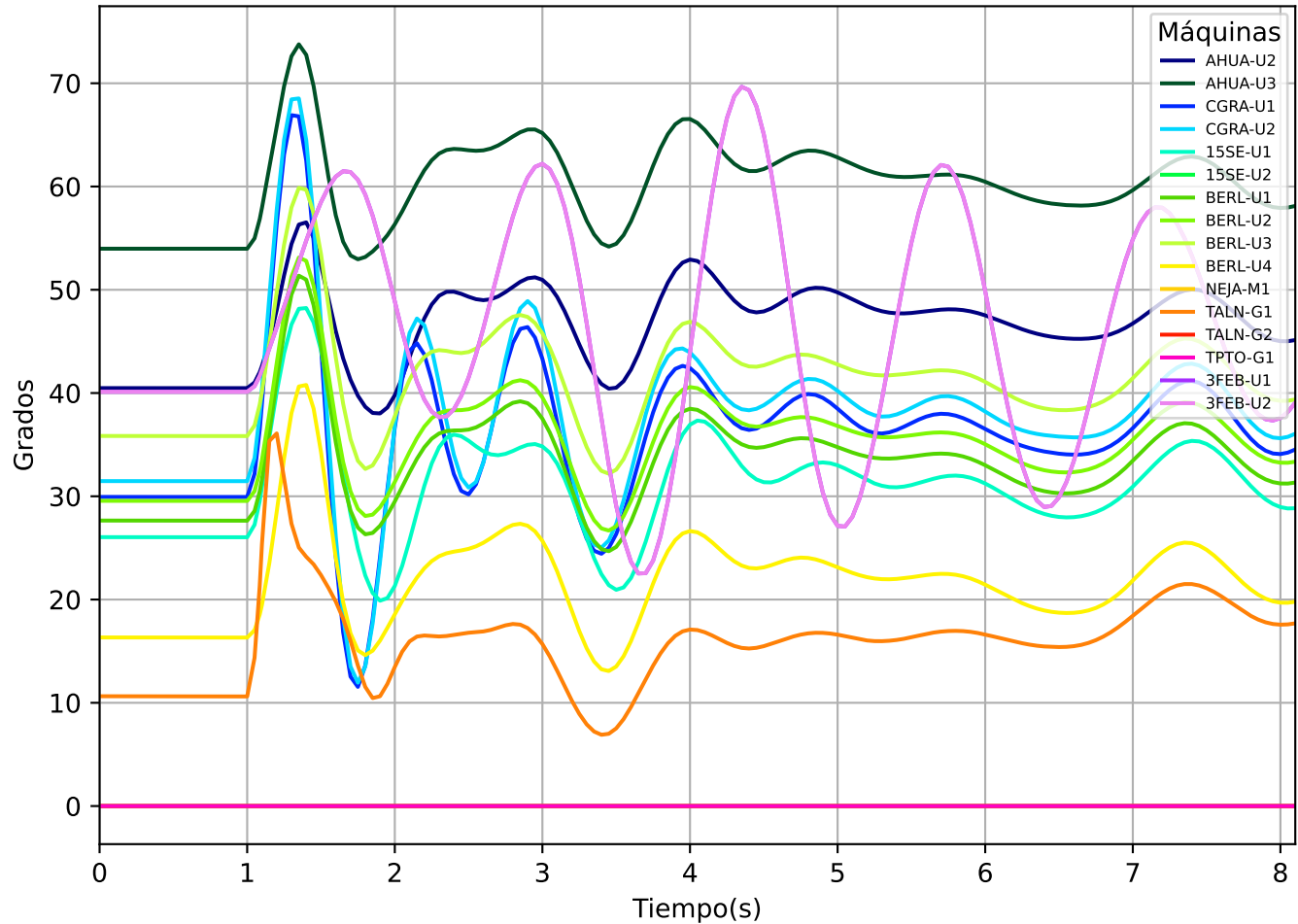
F19_SMAT-NEJA: FLUJO L-230kV 4



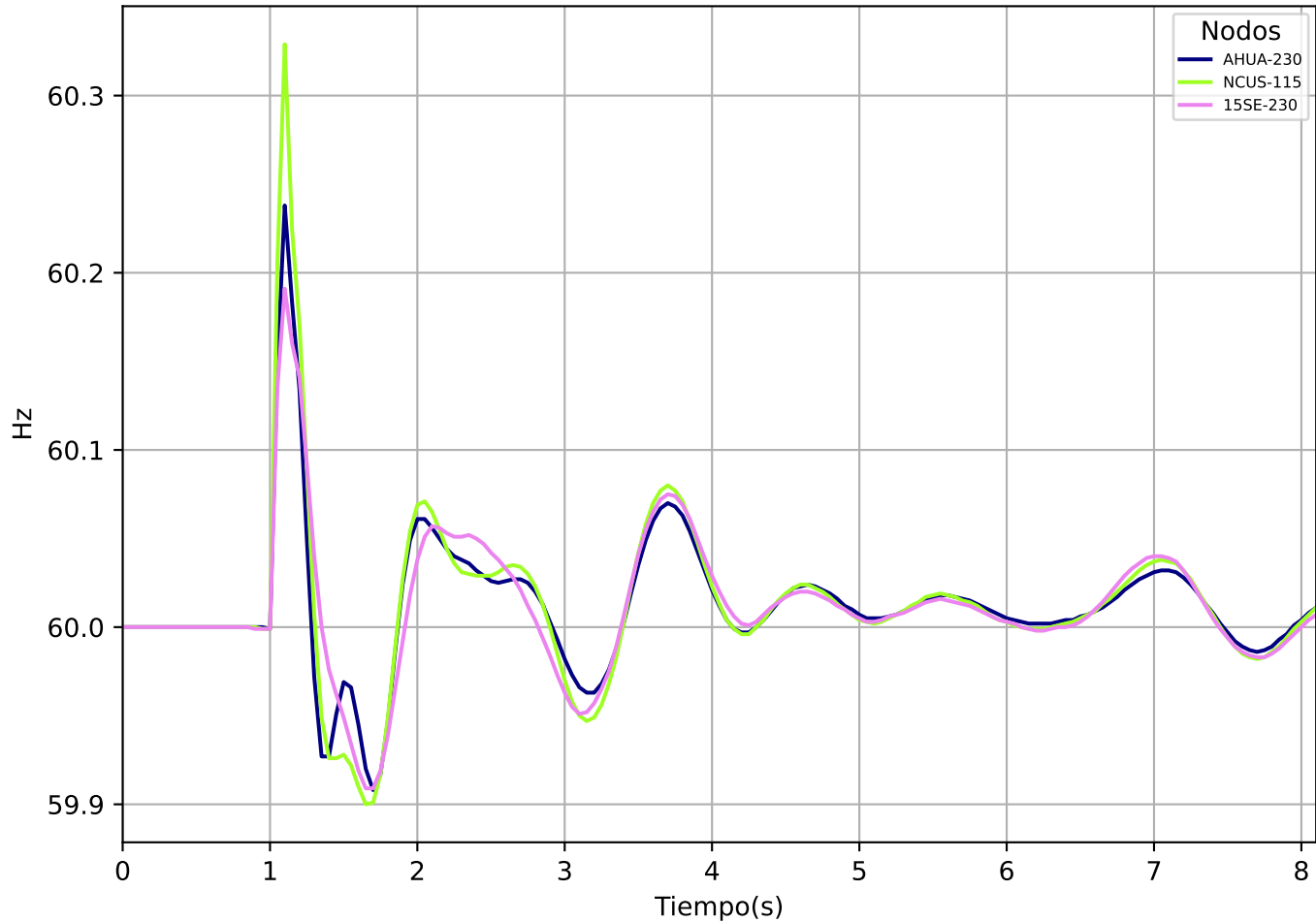
F19_SMAT-NEJA: ANGULO ROTOR 1



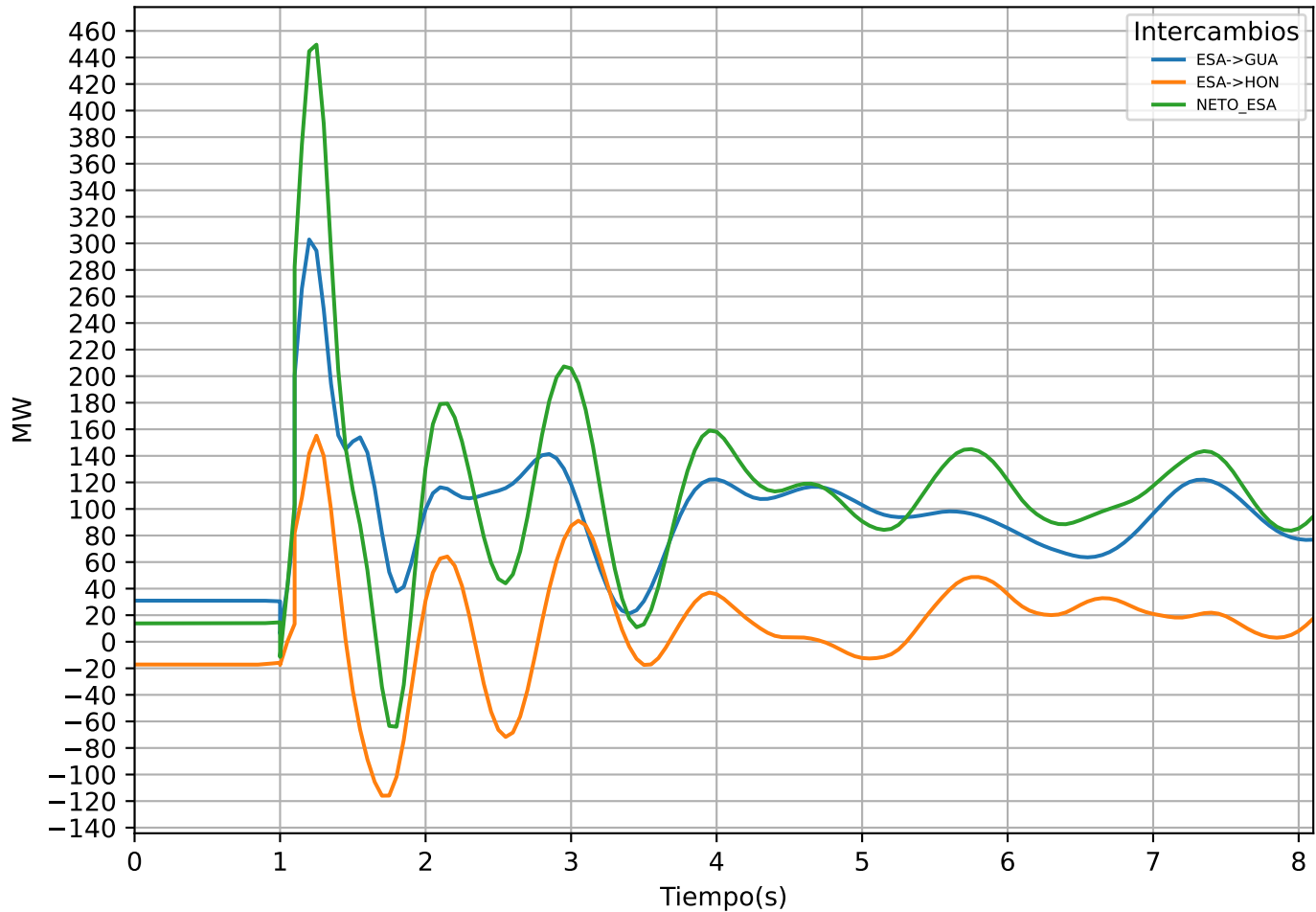
F19_SMAT-NEJA: ANGULO ROTOR 2



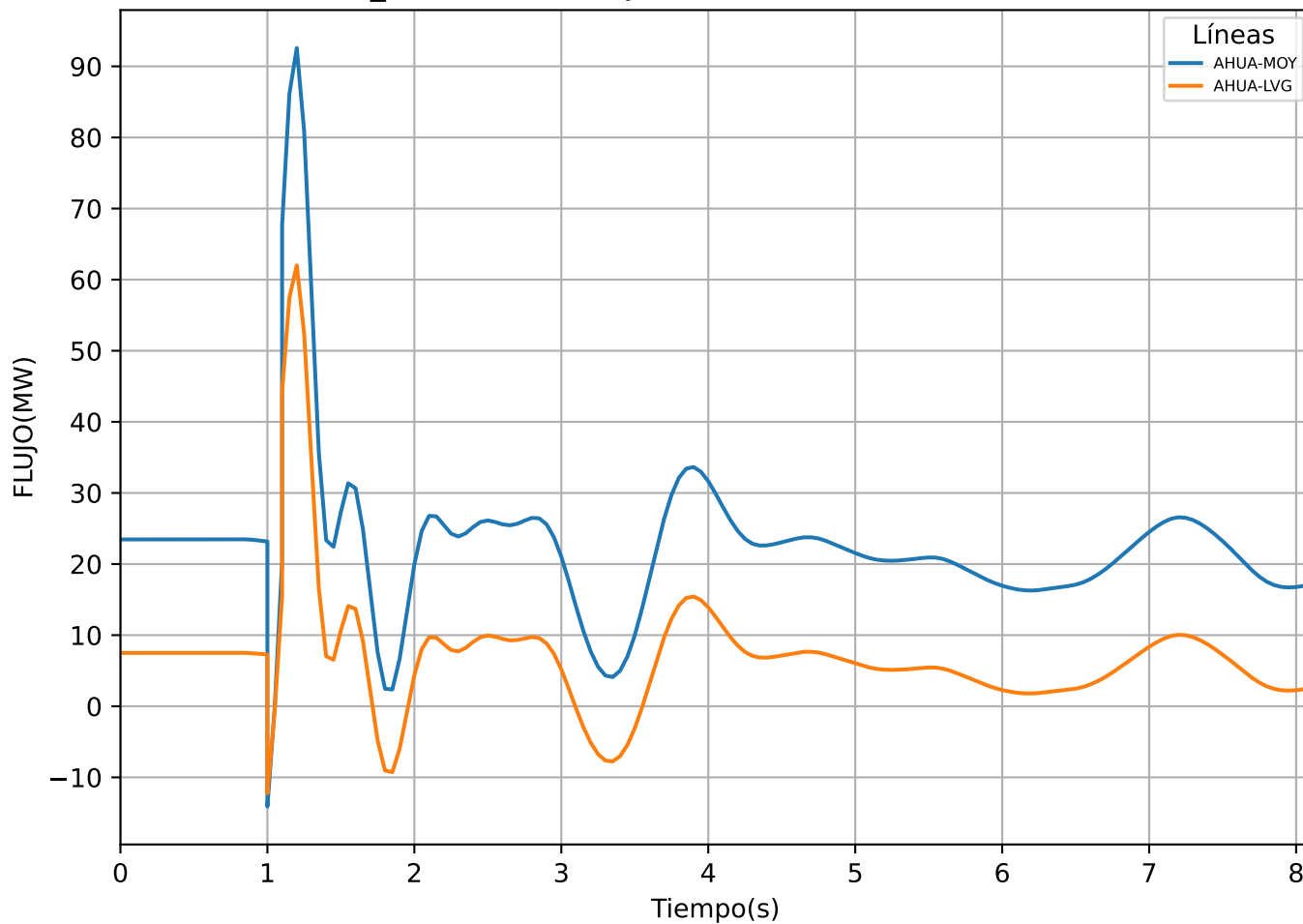
F19_SMAT-NEJA: FRECUENCIA



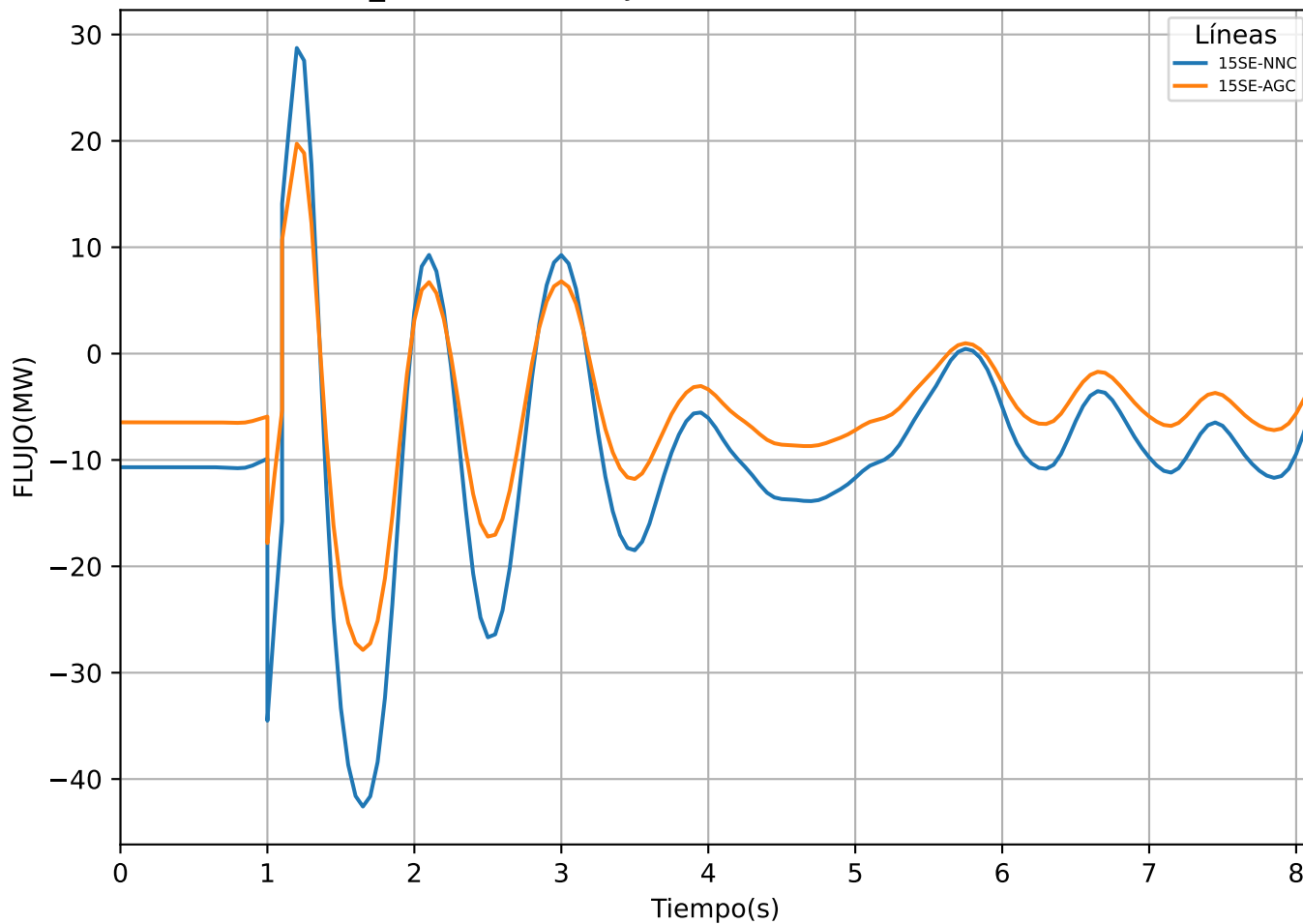
F19_SMAT-NEJA: Intercambios ESA



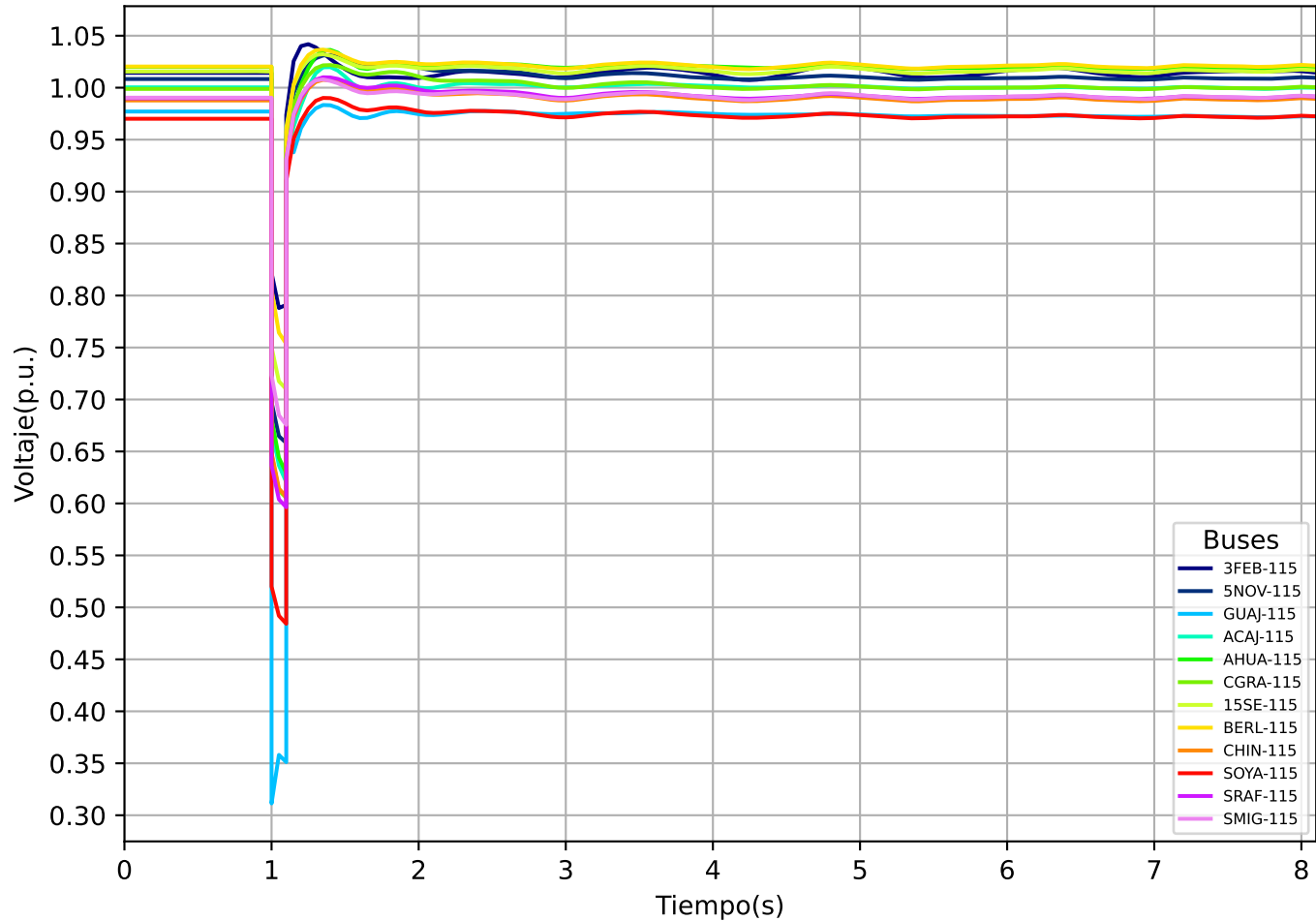
F20_OPIC-SMAT: FLUJO INTERCONEXIONES ESA-GUA



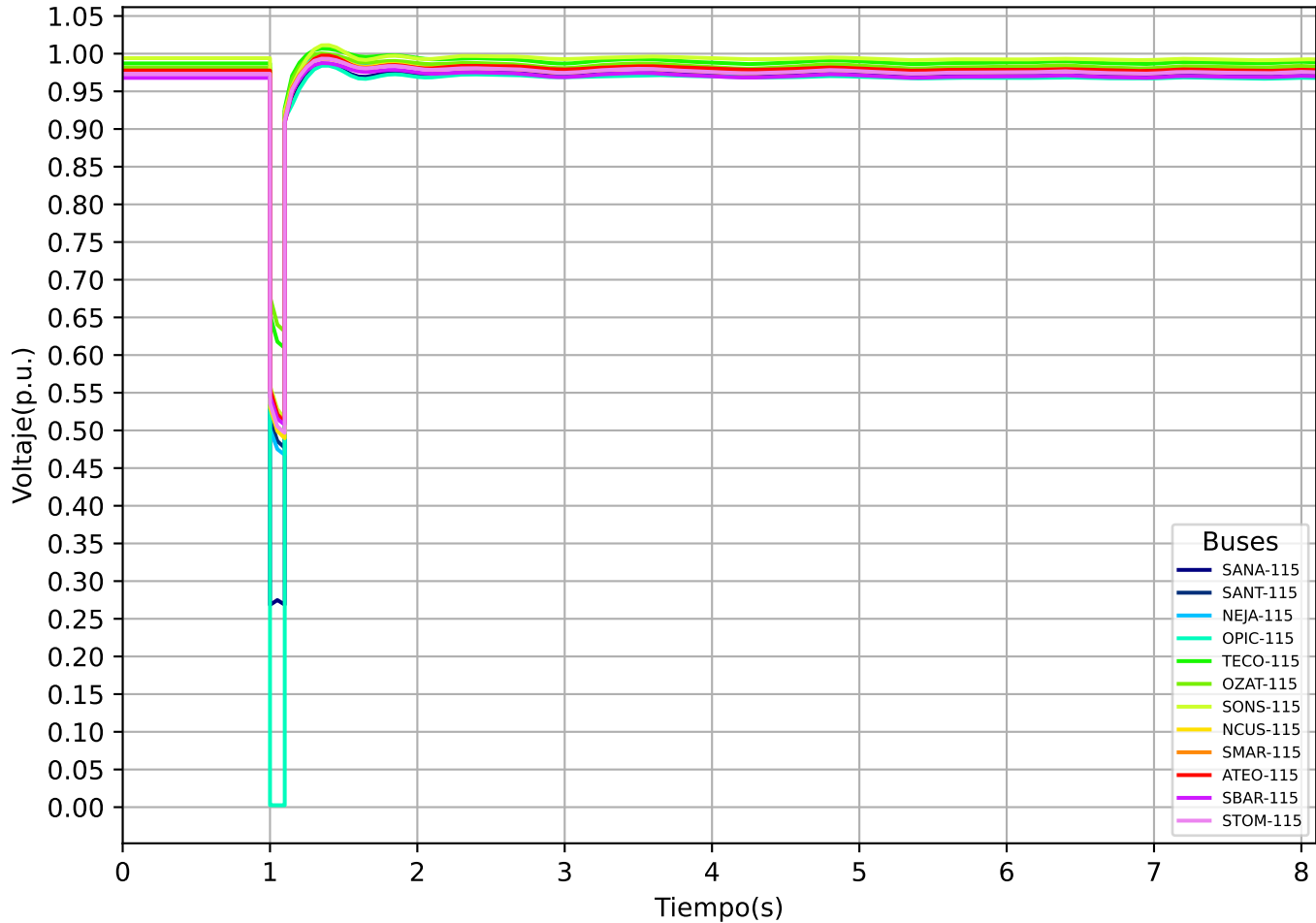
F20_OPIC-SMAT: FLUJO INTERCONEXIONES ESA-HON



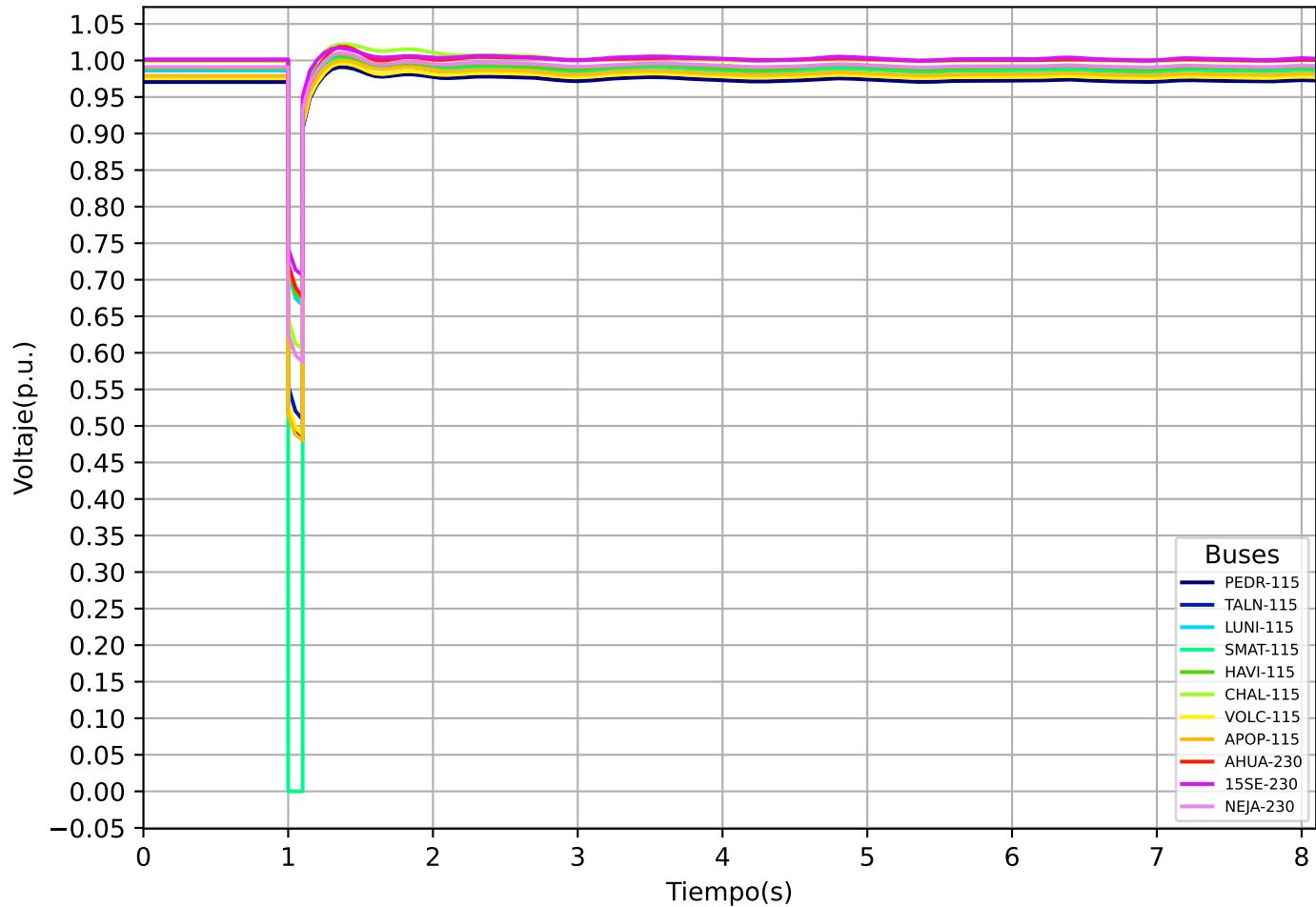
F20_OPIC-SMAT: VOLTAJE 1



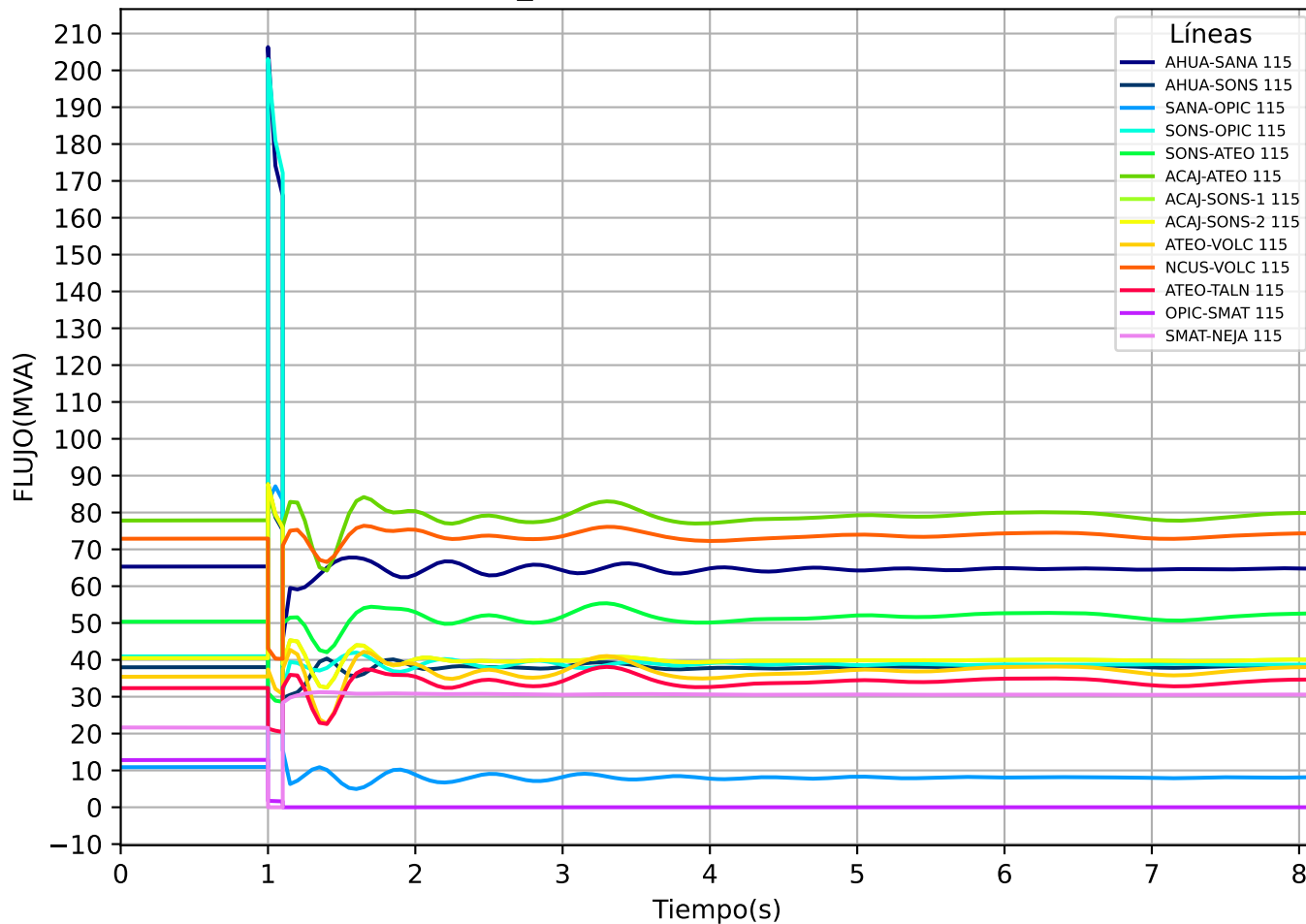
F20 OPIC-SMAT: VOLTAJE 2



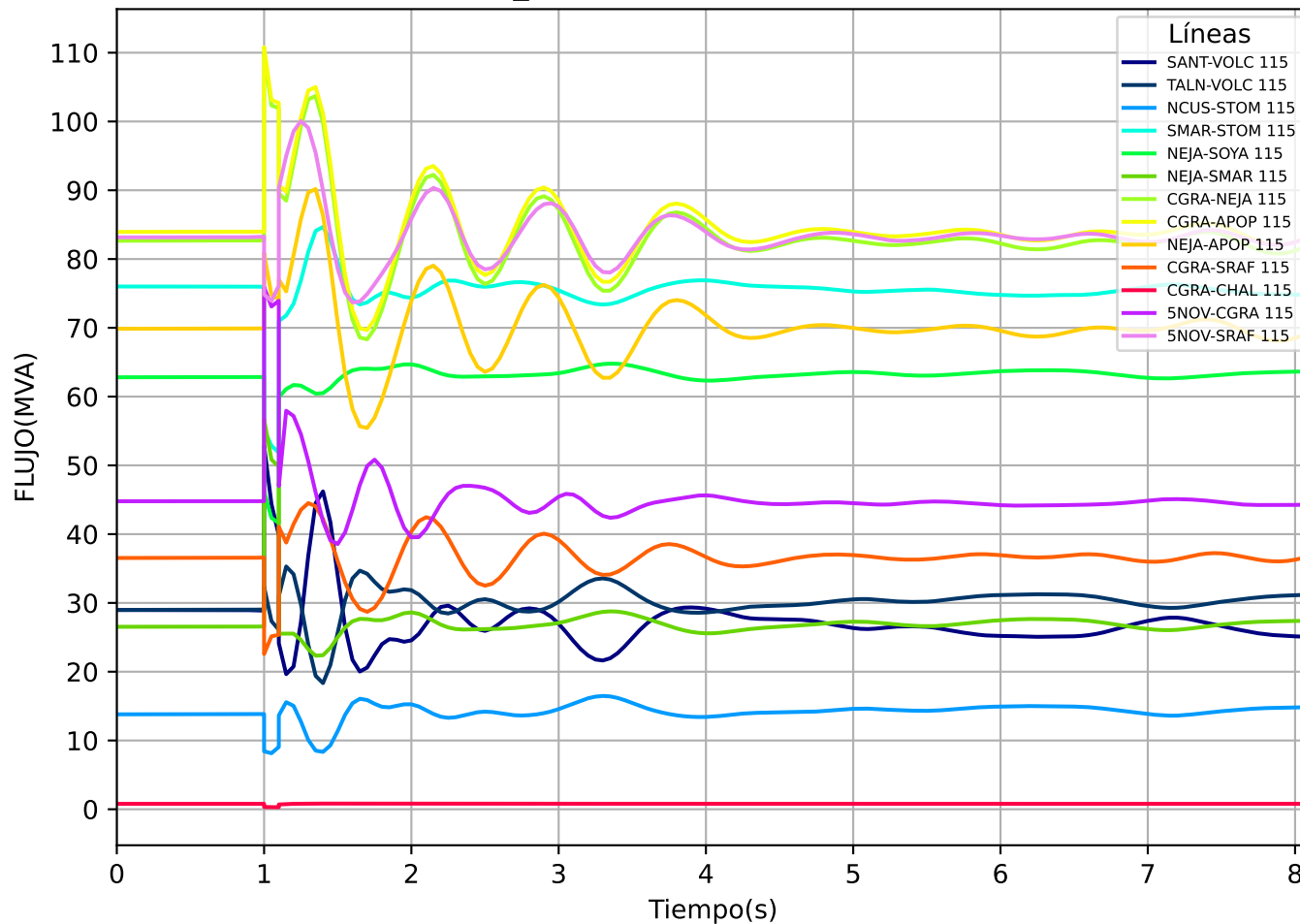
F20_OPIC-SMAT: VOLTAJE 3



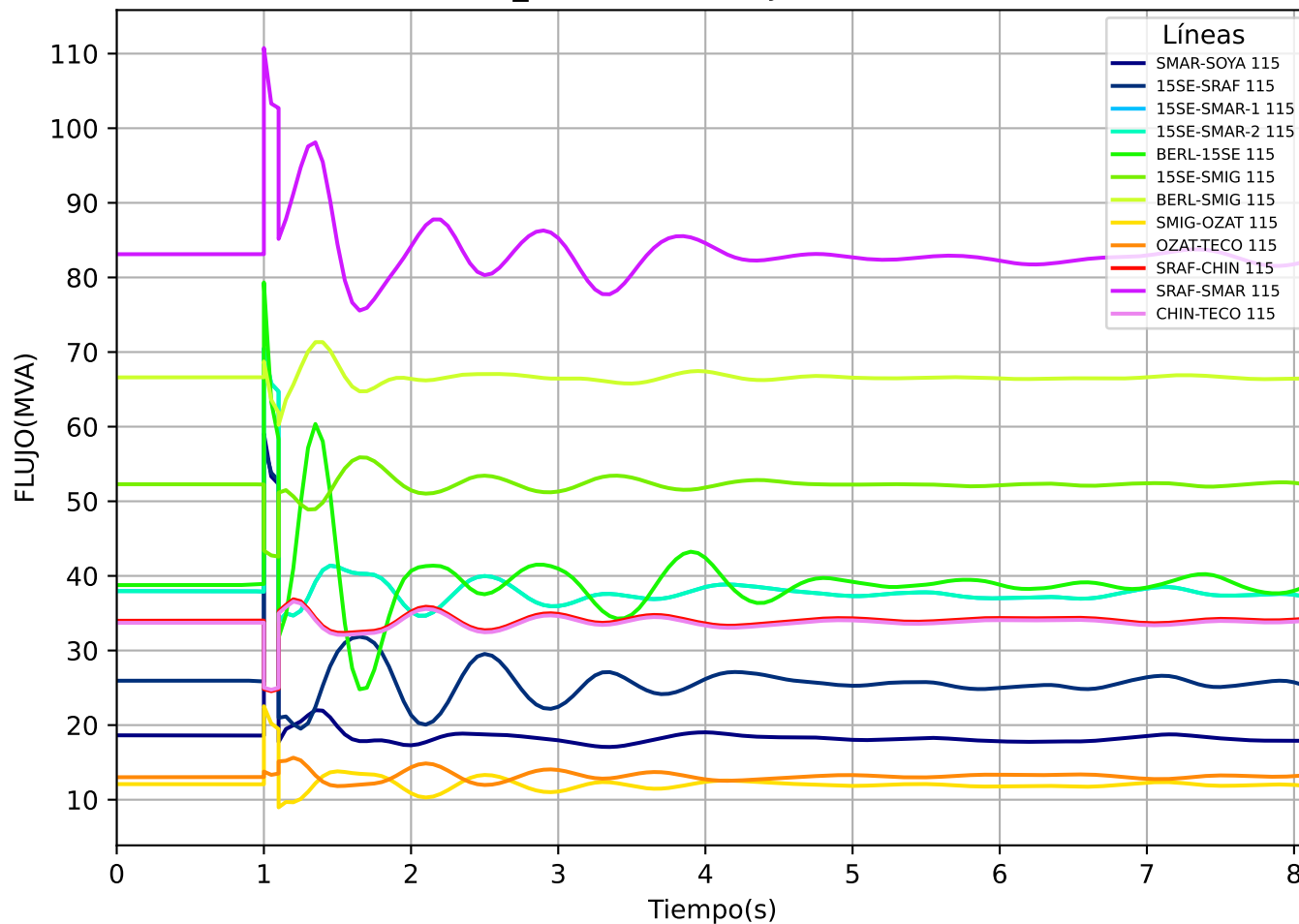
F20_OPIC-SMAT: FLUJO L-115kV 1



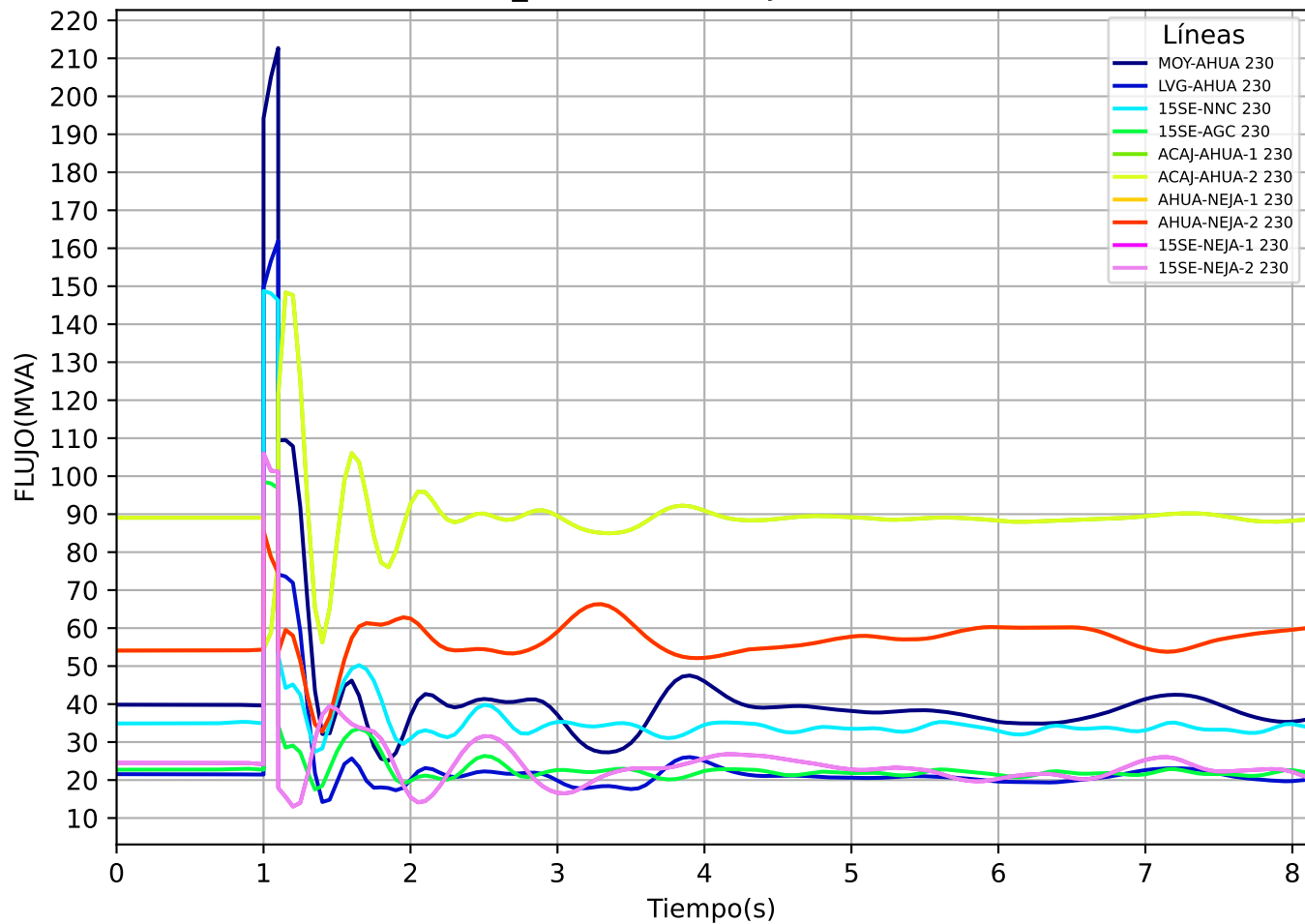
F20_OPIC-SMAT: FLUJO L-115kV 2



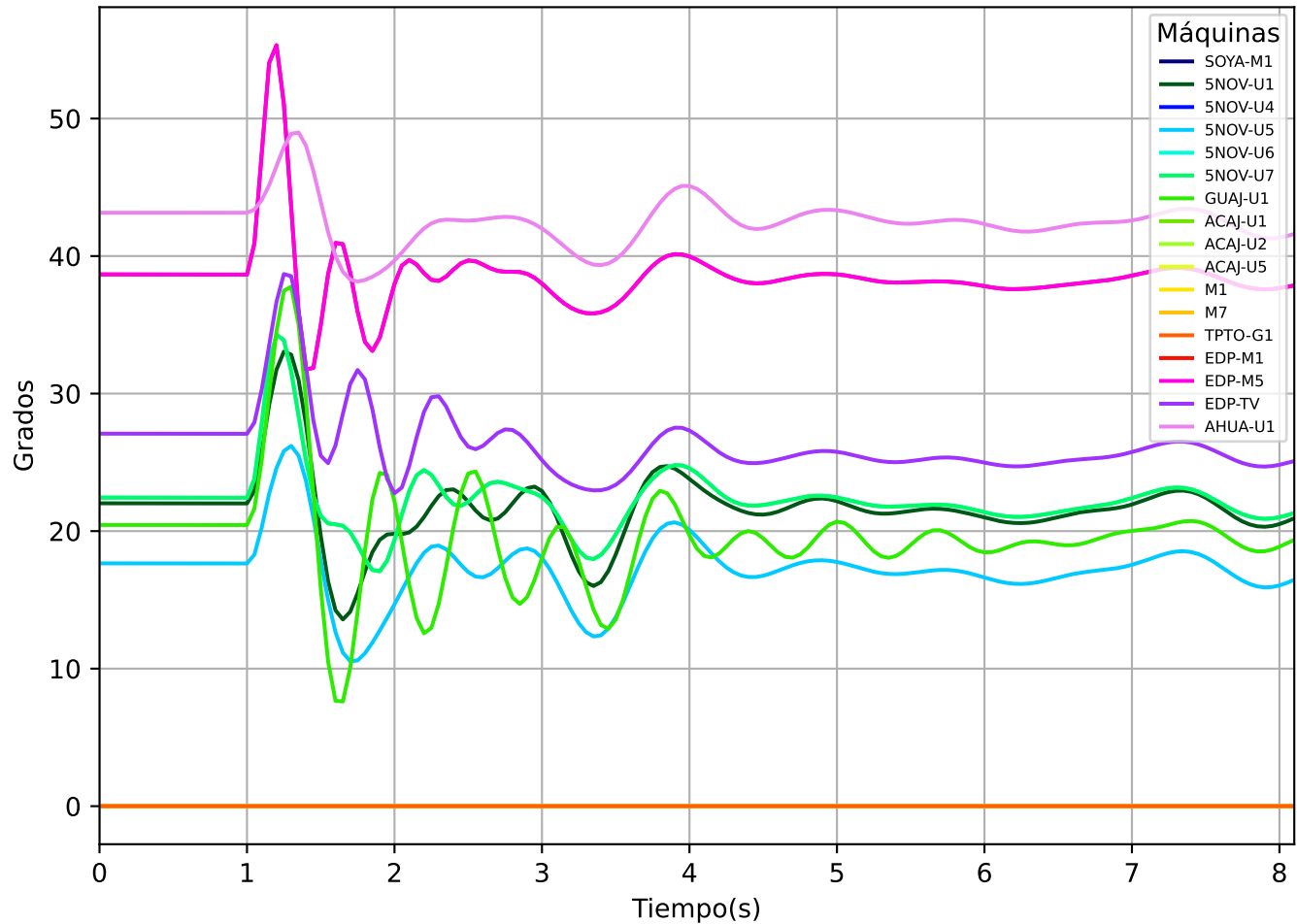
F20_OPIC-SMAT: FLUJO L-115kV 3



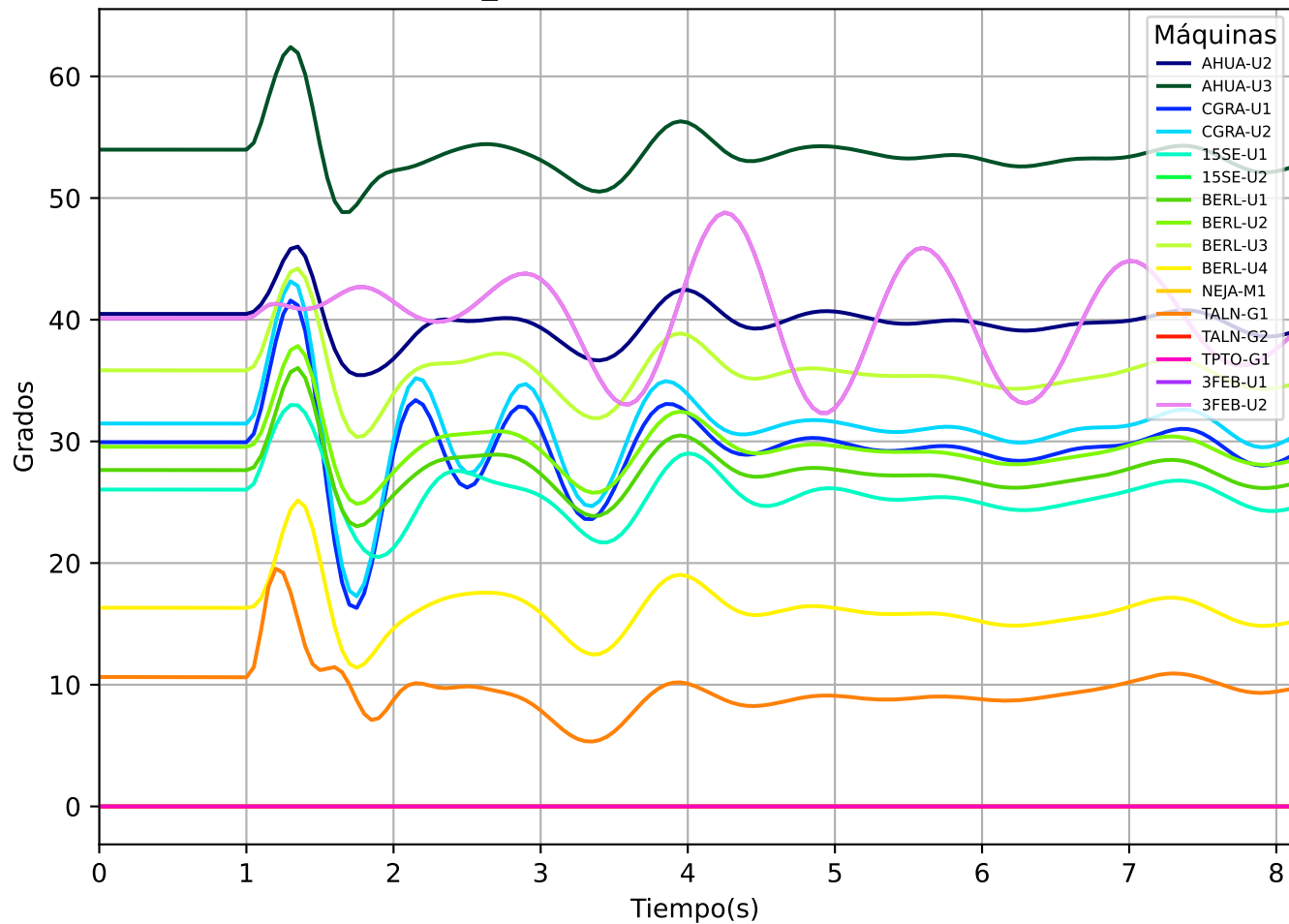
F20_OPIC-SMAT: FLUJO L-230kV 4



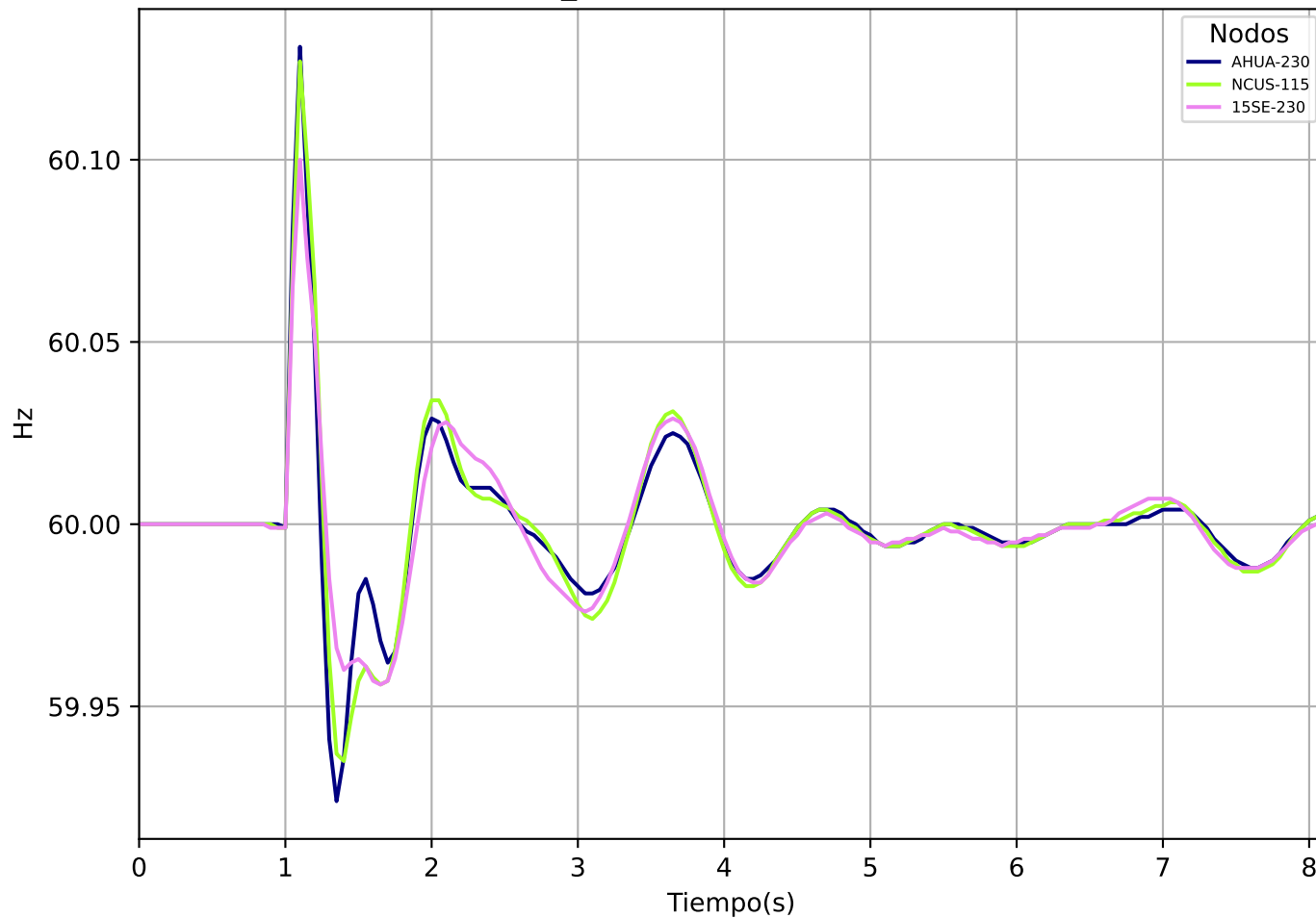
F20_OPIC-SMAT: ANGULO ROTOR 1



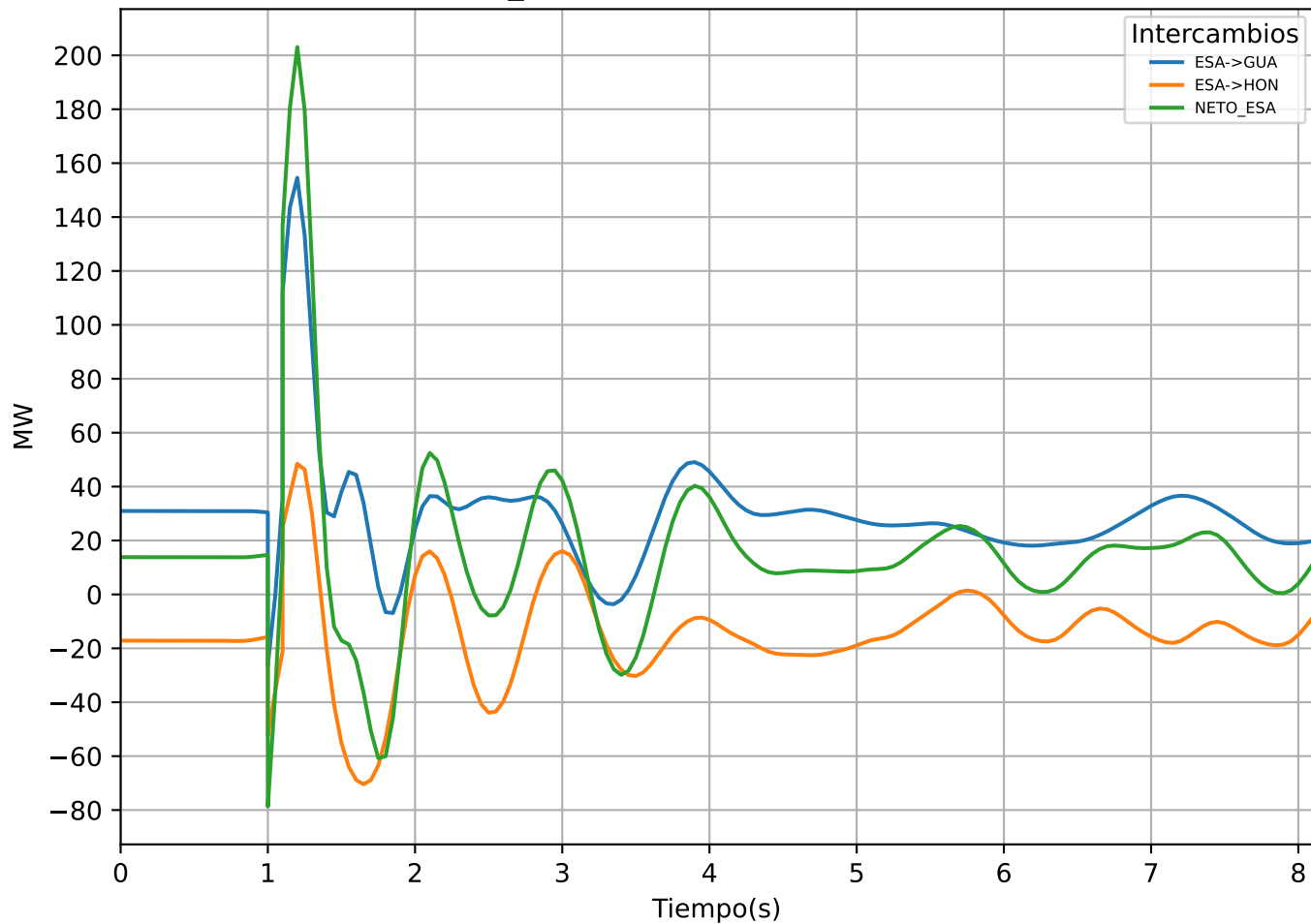
F20_OPIC-SMAT: ANGULO ROTOR 2



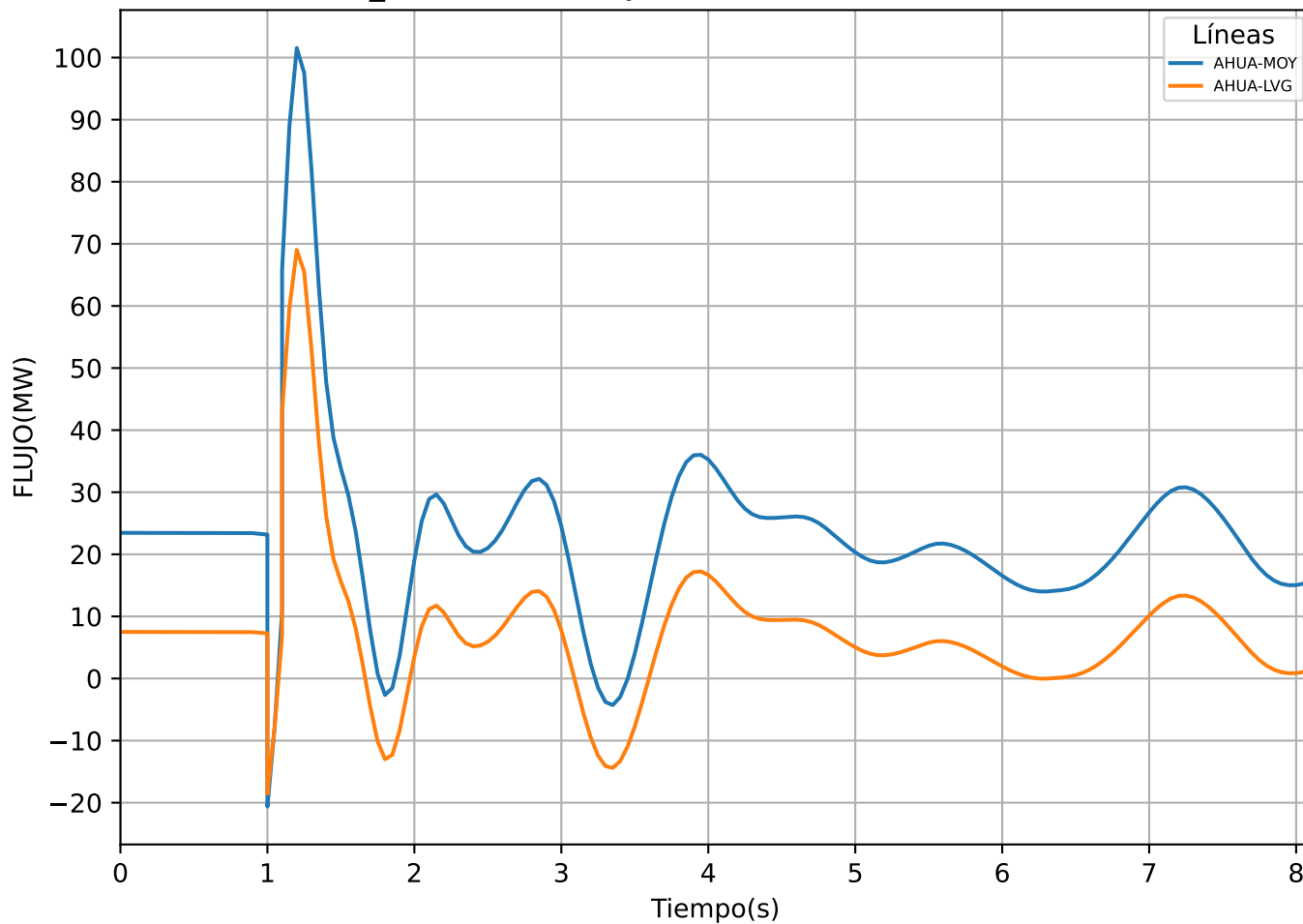
F20_OPIC-SMAT: FRECUENCIA



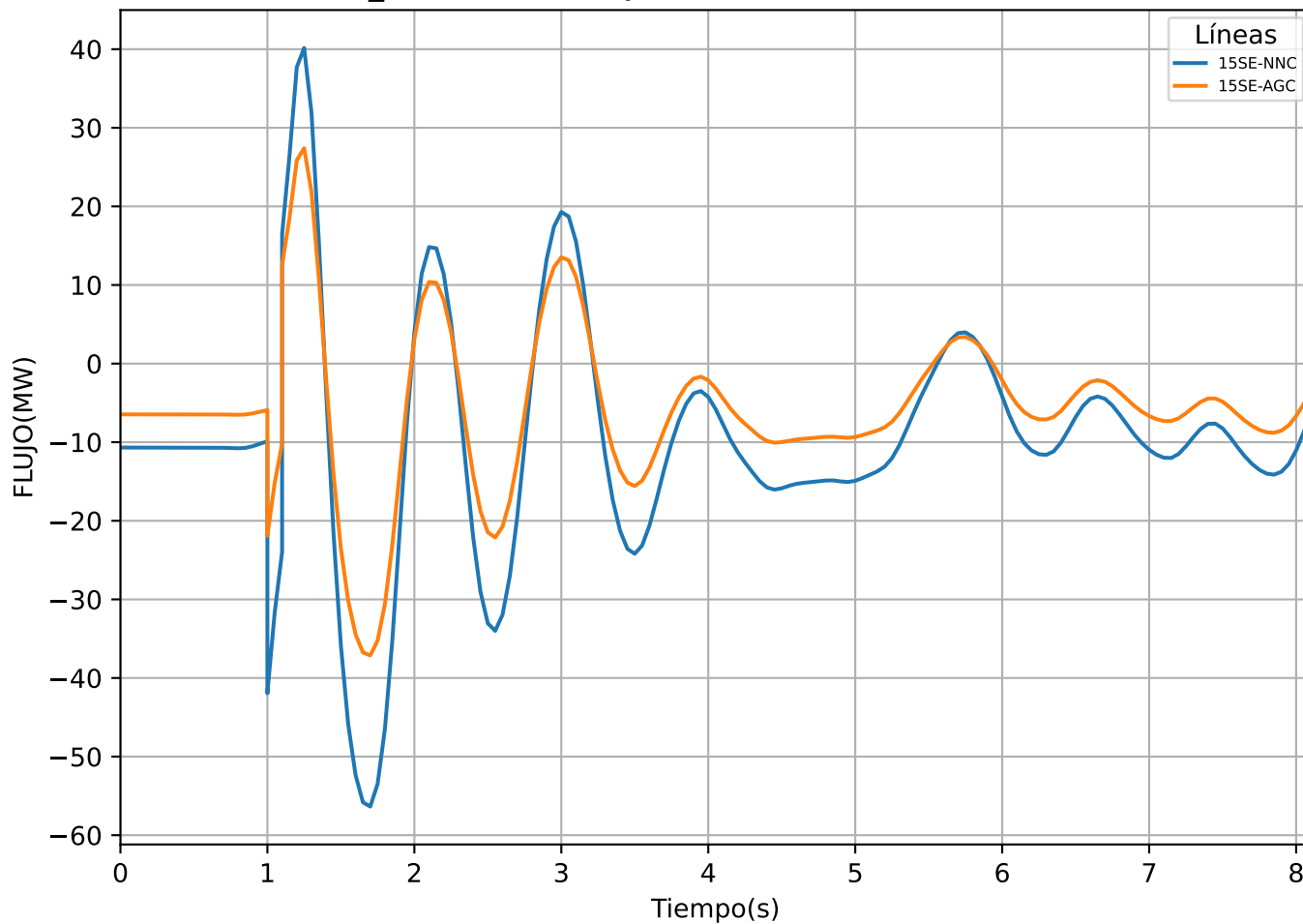
F20_OPIC-SMAT: Intercambios ESA



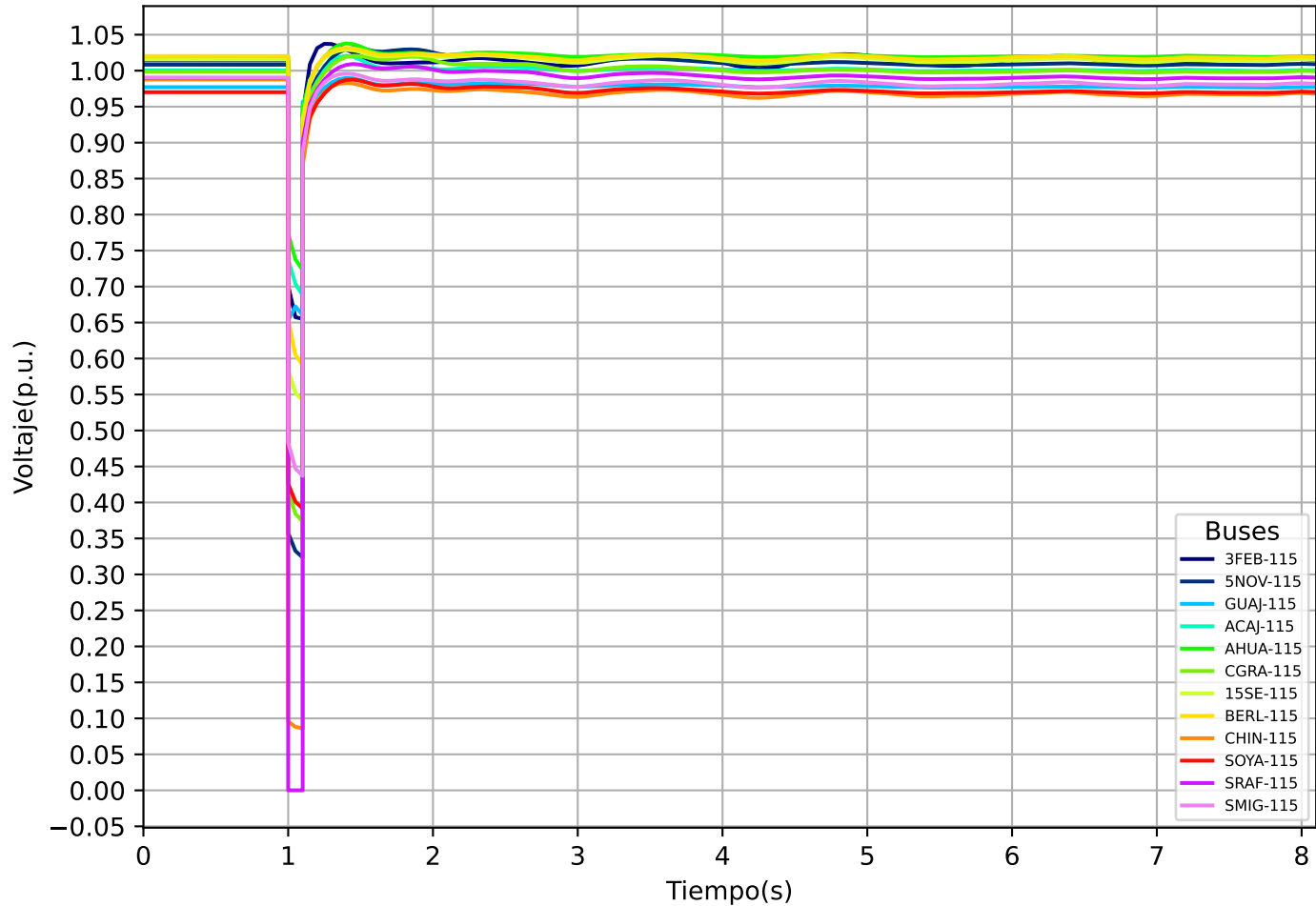
F21_SRAF-CHIN: FLUJO INTERCONEXIONES ESA-GUA



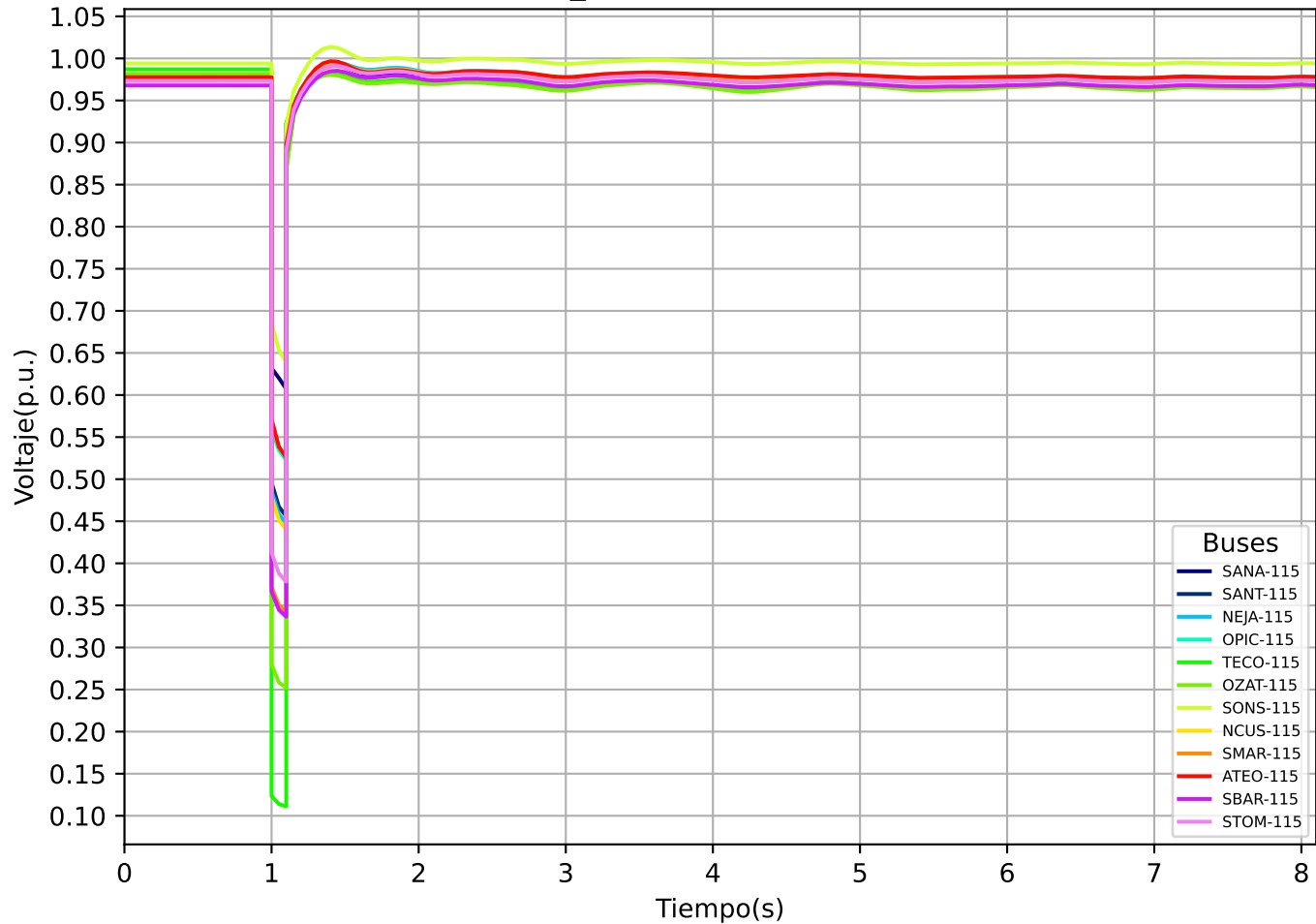
F21_SRAF-CHIN: FLUJO INTERCONEXIONES ESA-HON



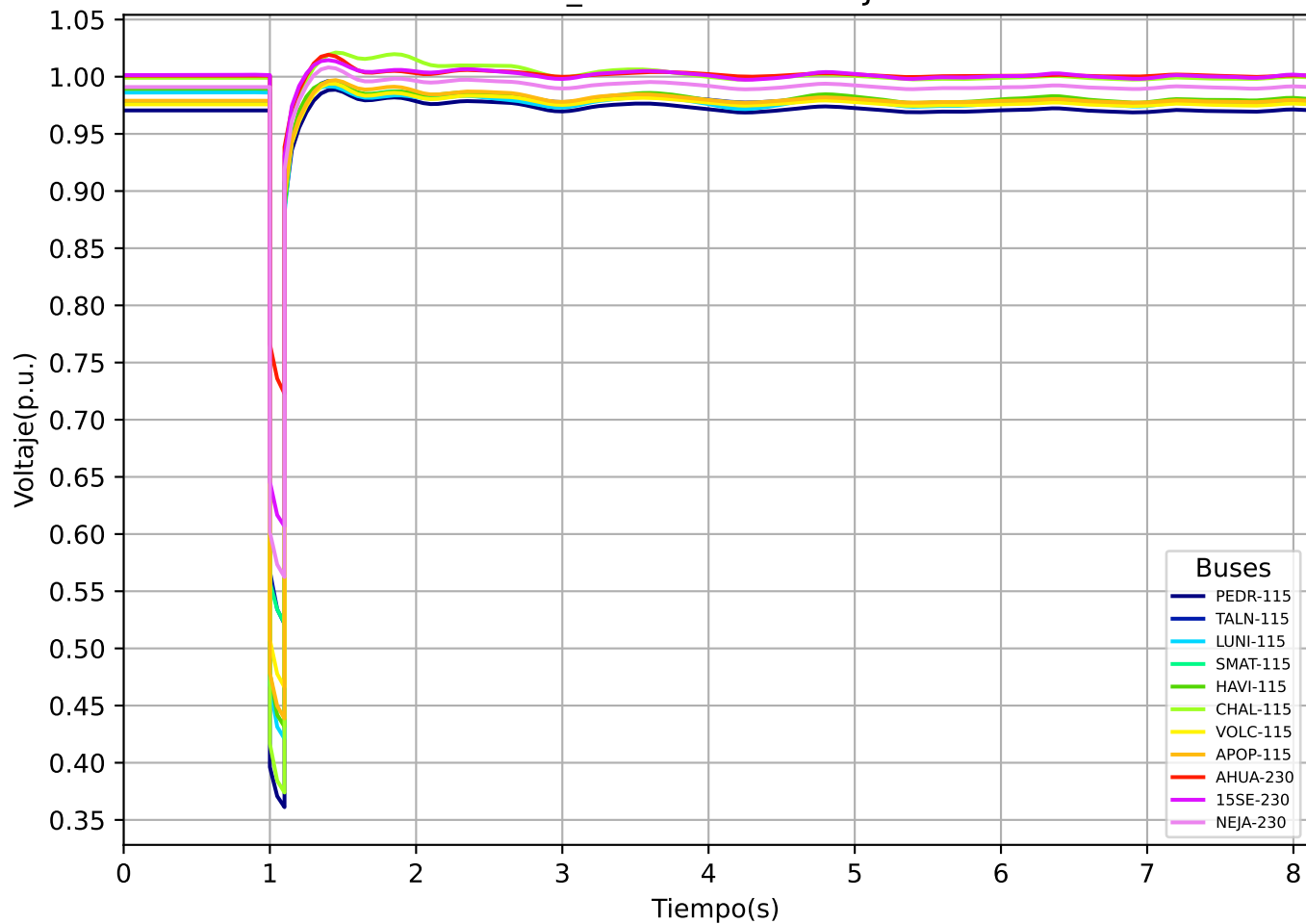
F21_SRAF-CHIN: VOLTAJE 1



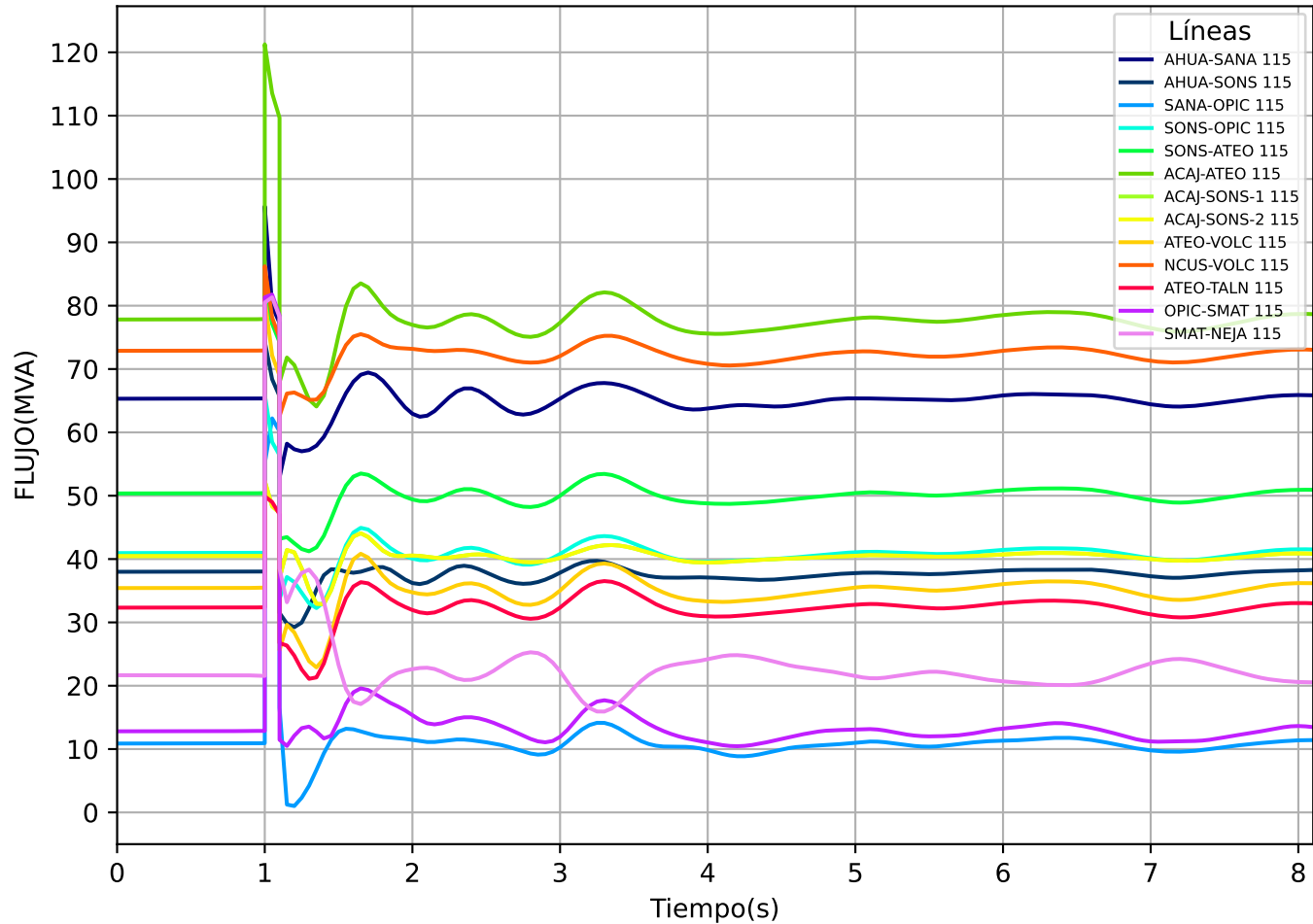
F21_SRAF-CHIN: VOLTAJE 2



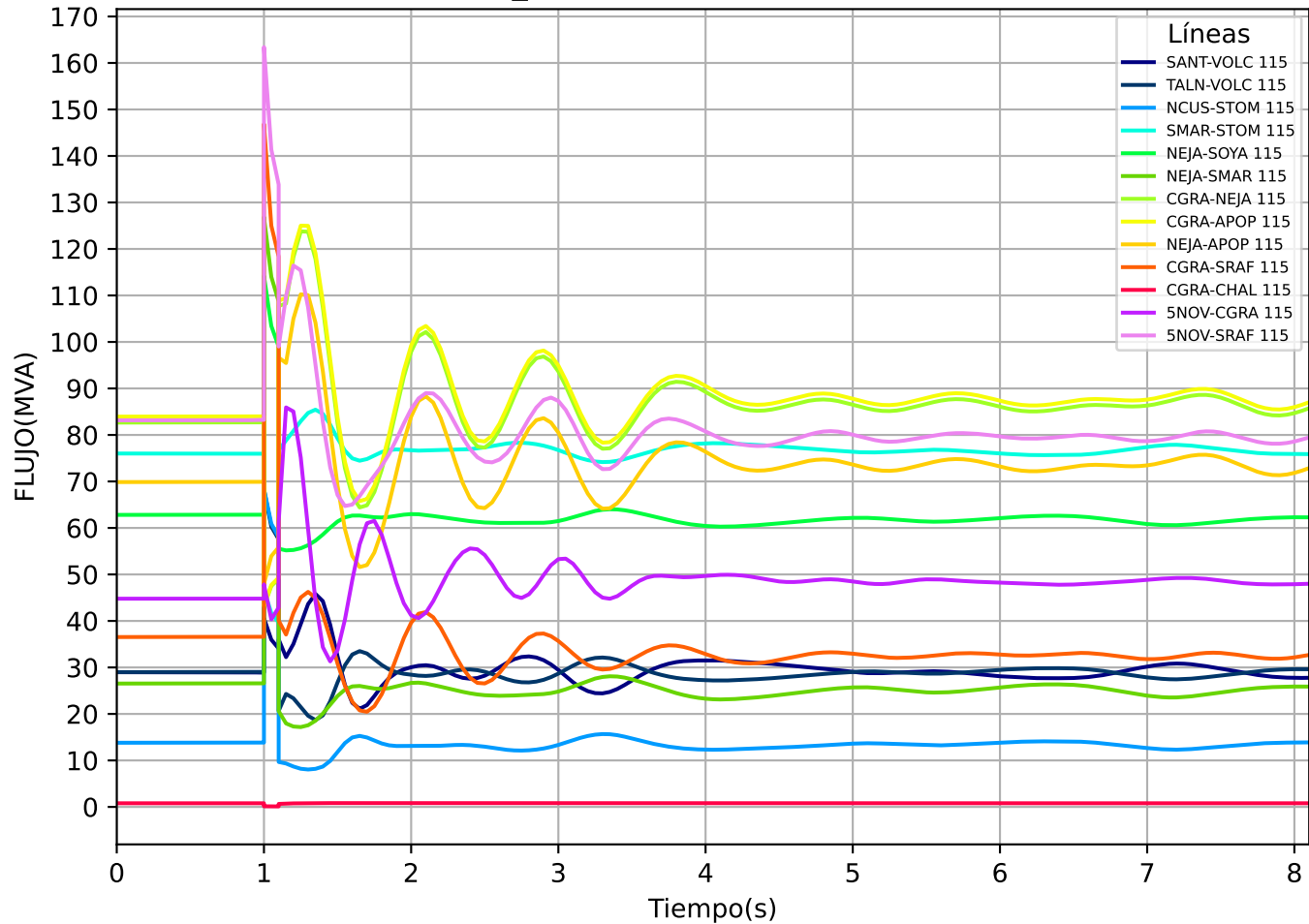
F21_SRAF-CHIN: VOLTAJE 3



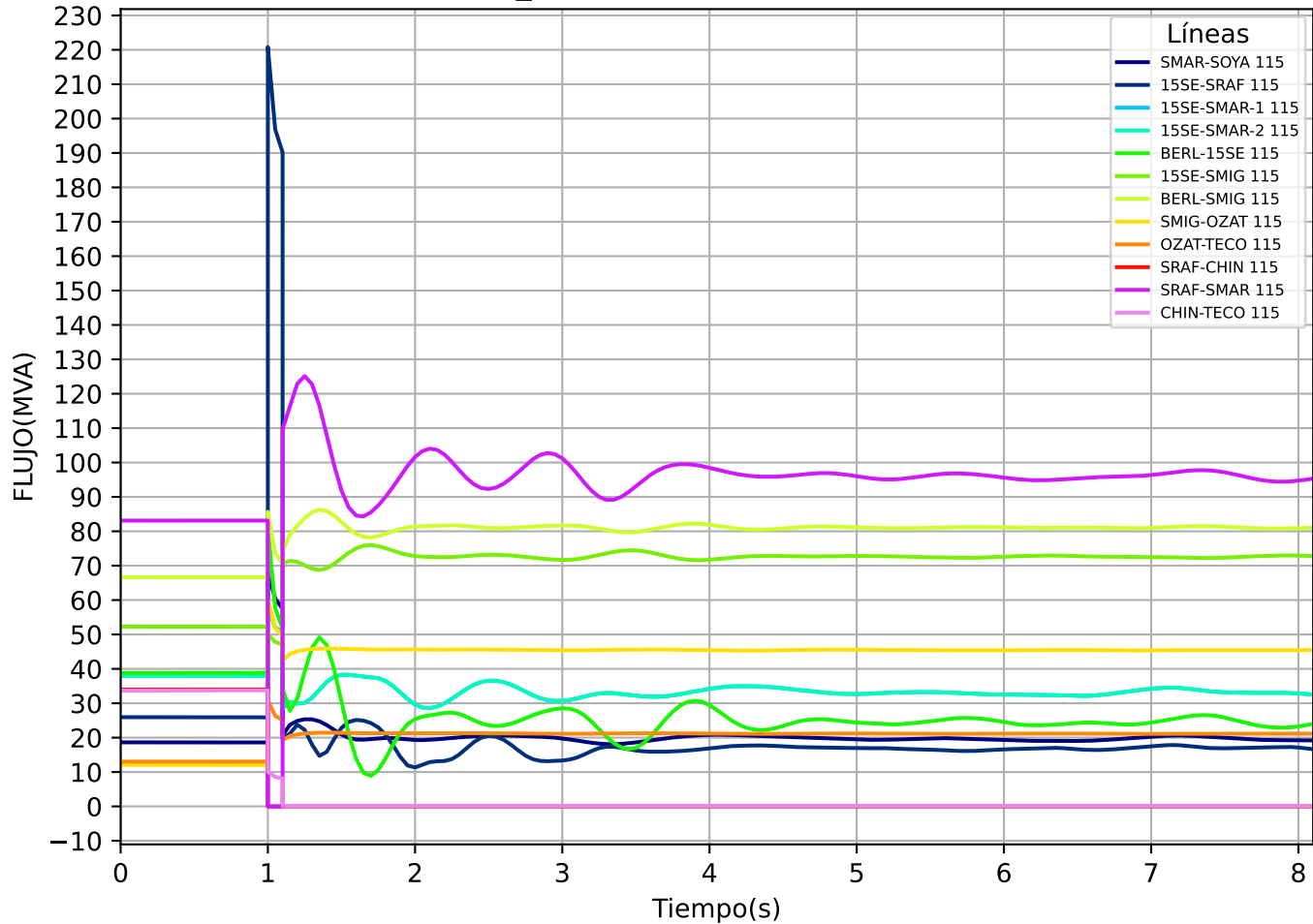
F21_SRAF-CHIN: FLUJO L-115kV 1



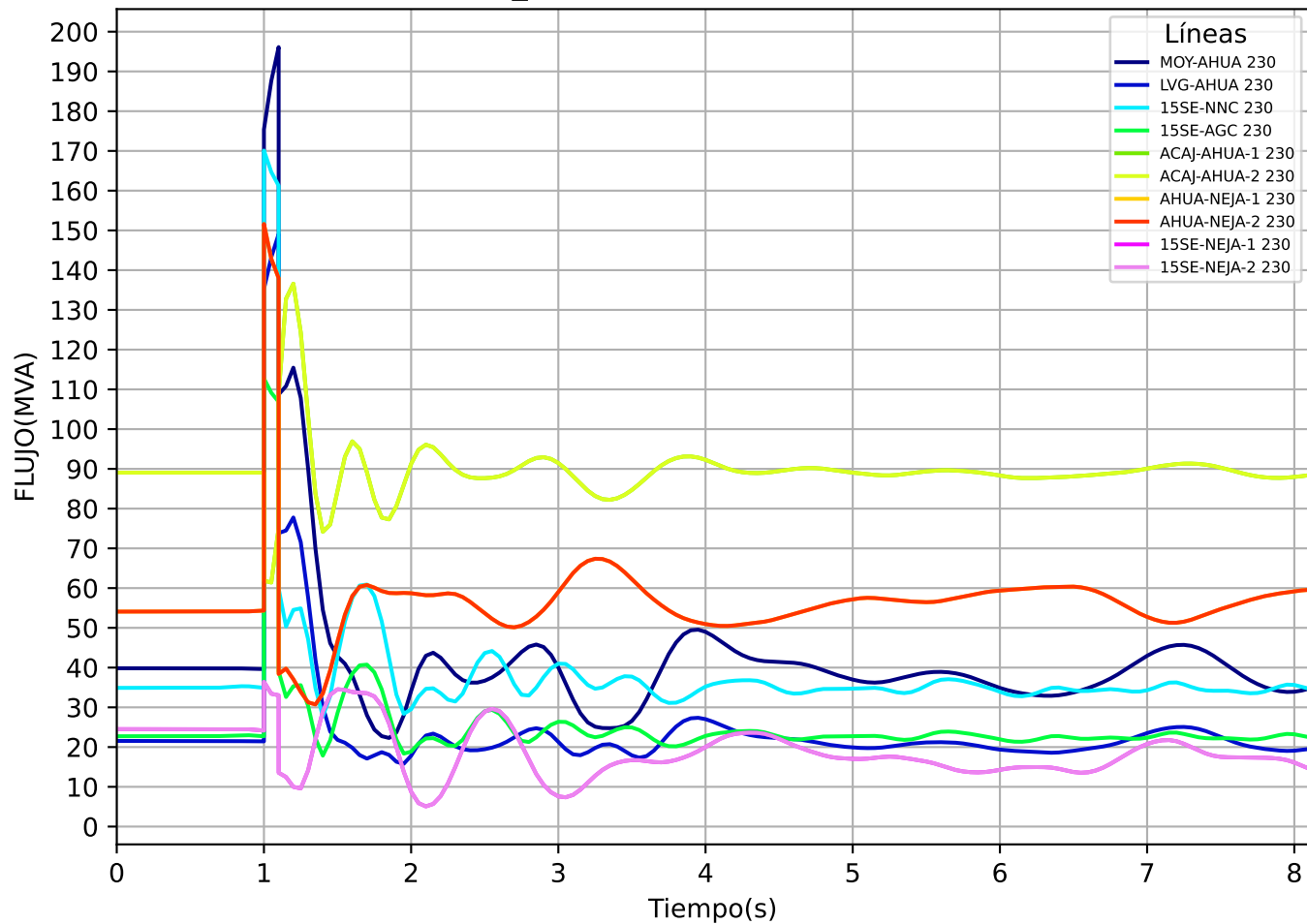
F21_SRAF-CHIN: FLUJO L-115kV 2



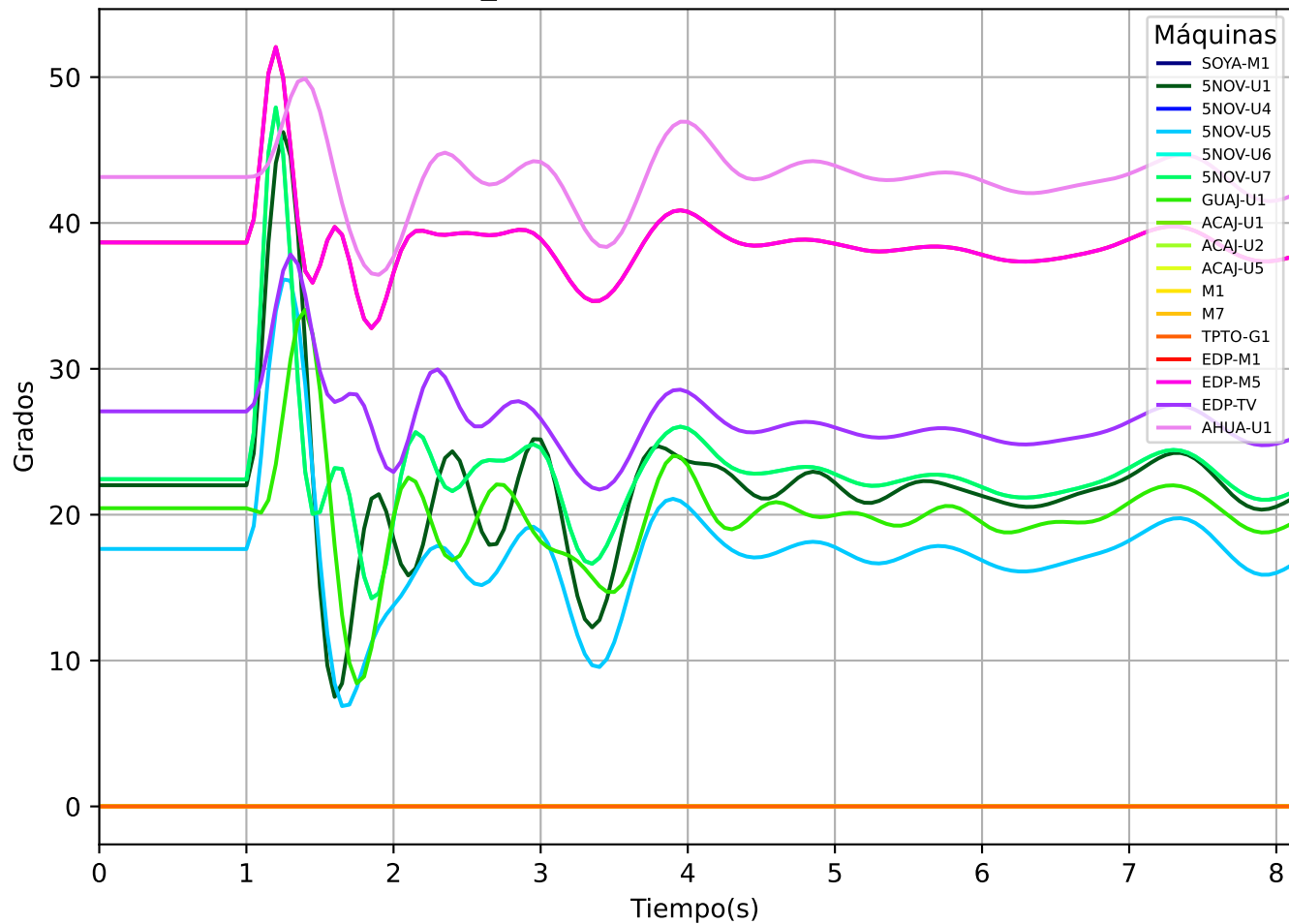
F21_SRAF-CHIN: FLUJO L-115kV 3



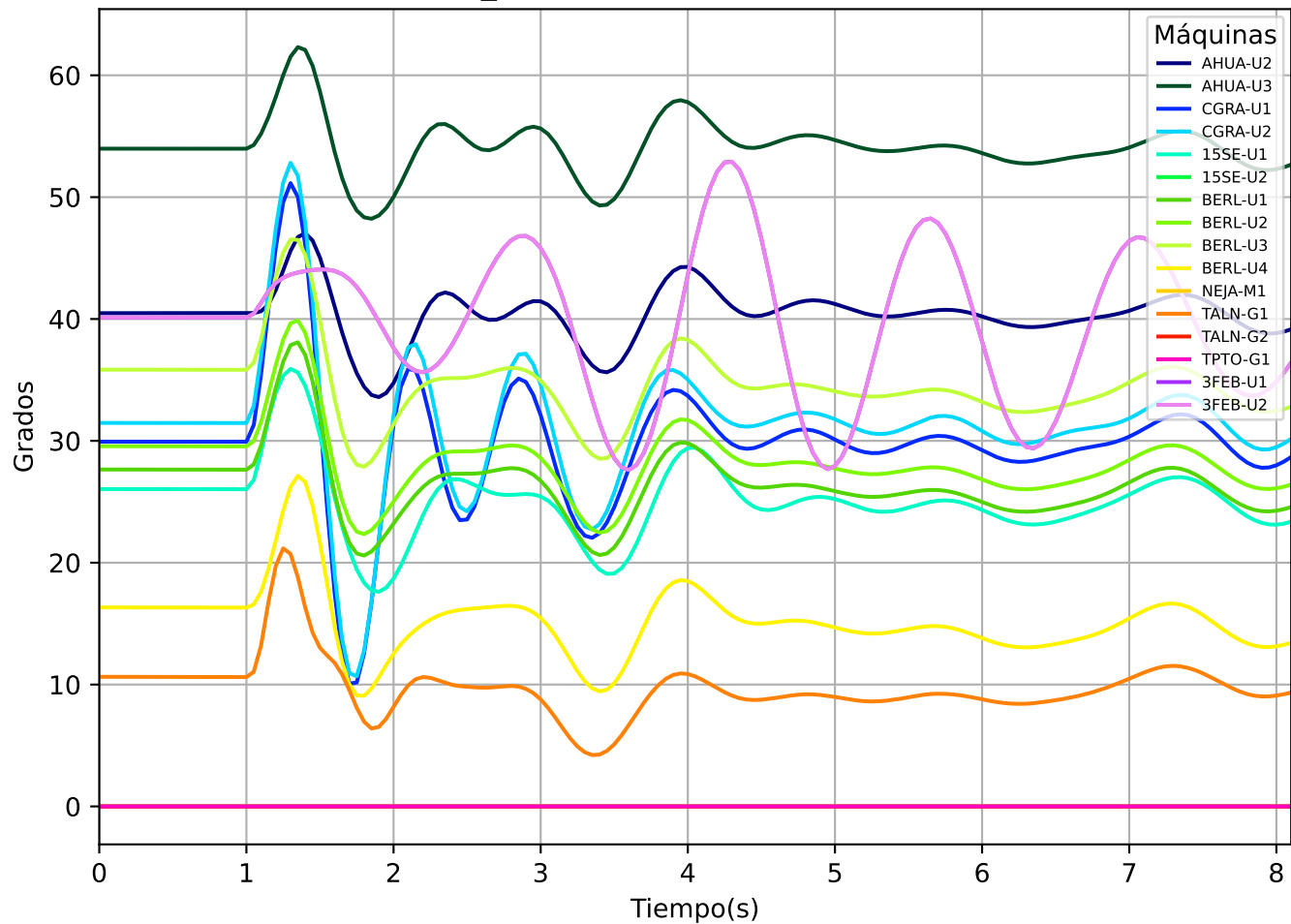
F21_SRAF-CHIN: FLUJO L-230kV 4



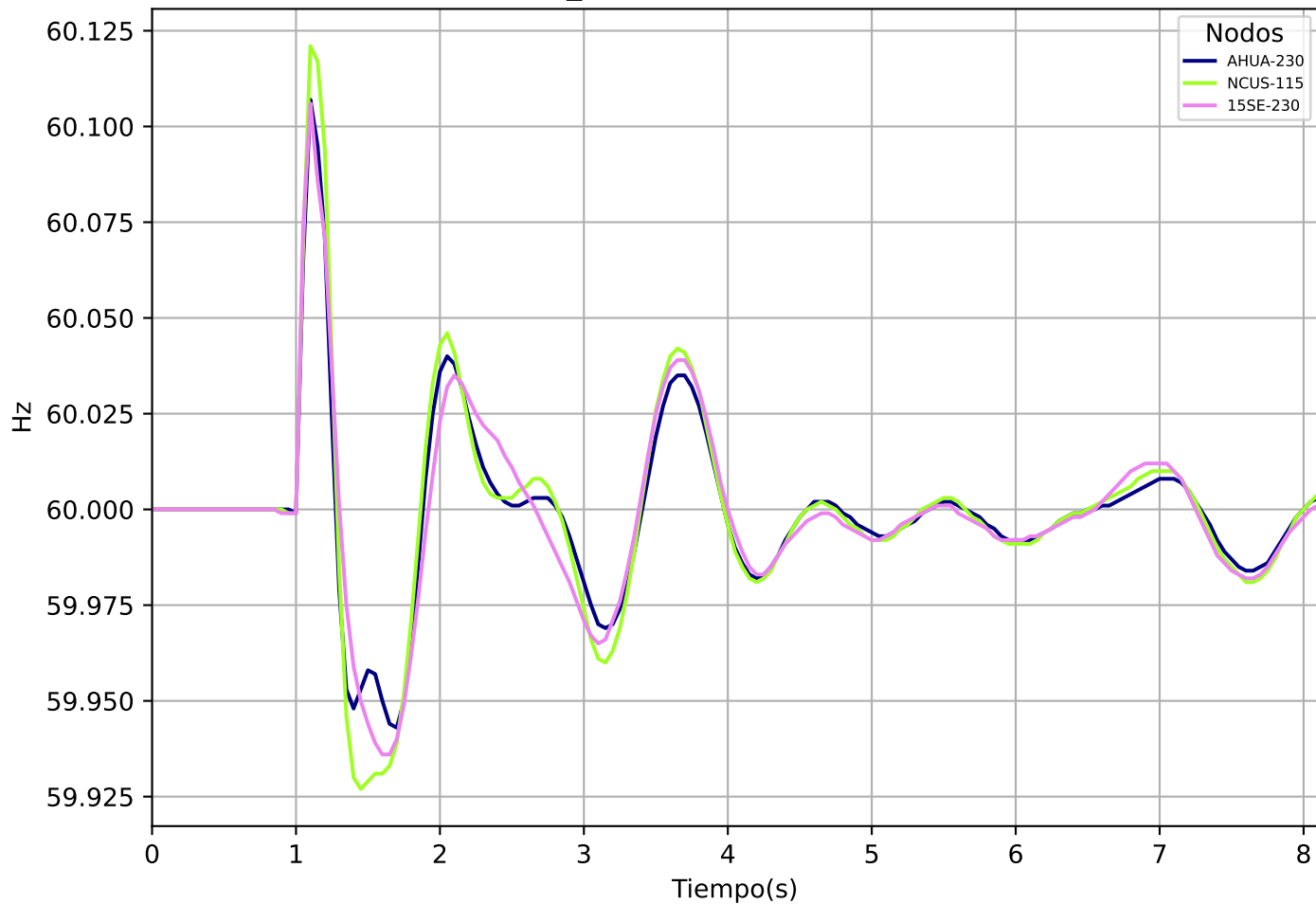
F21_SRAF-CHIN: ANGULO ROTOR 1



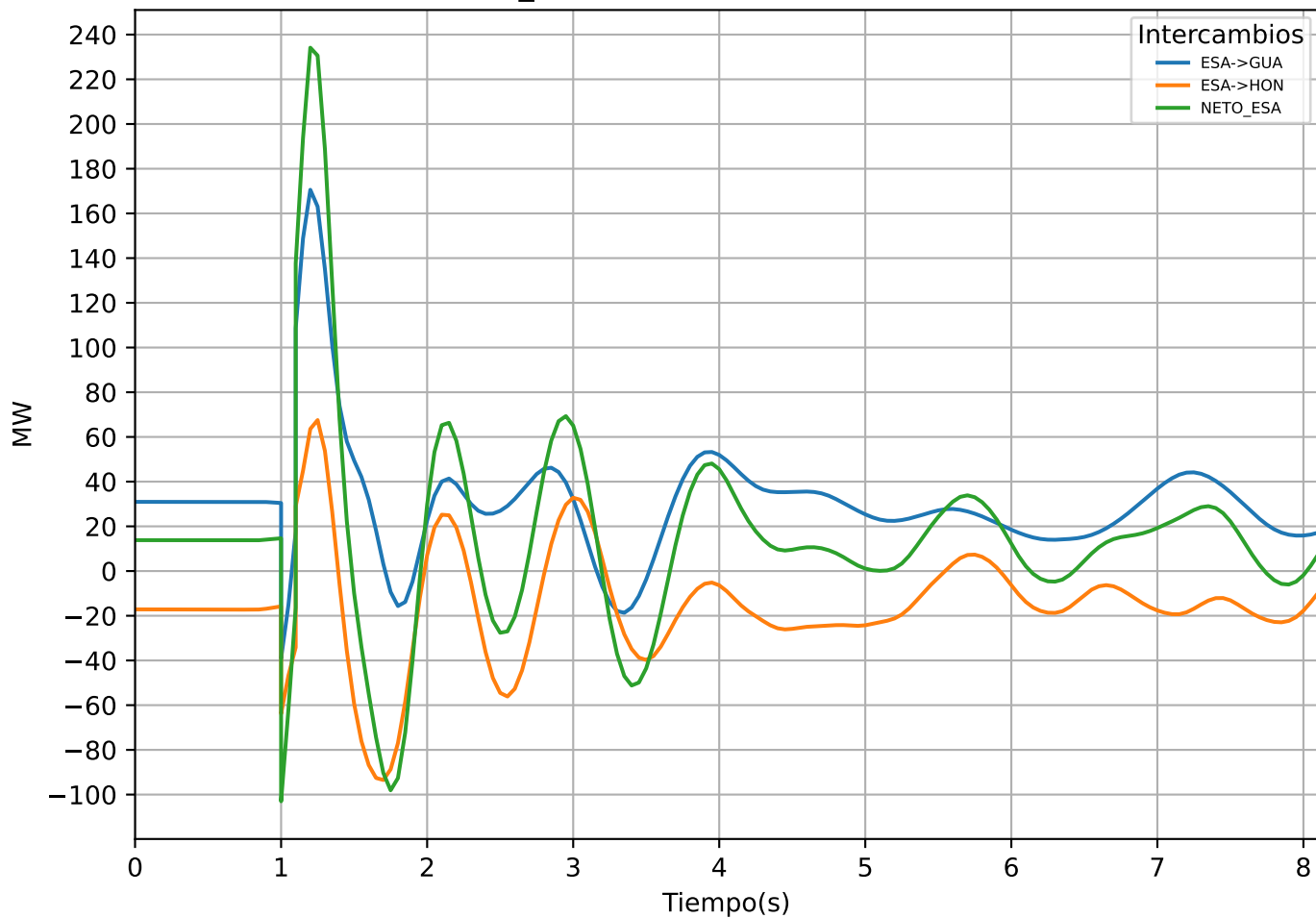
F21_SRAF-CHIN: ANGULO ROTOR 2



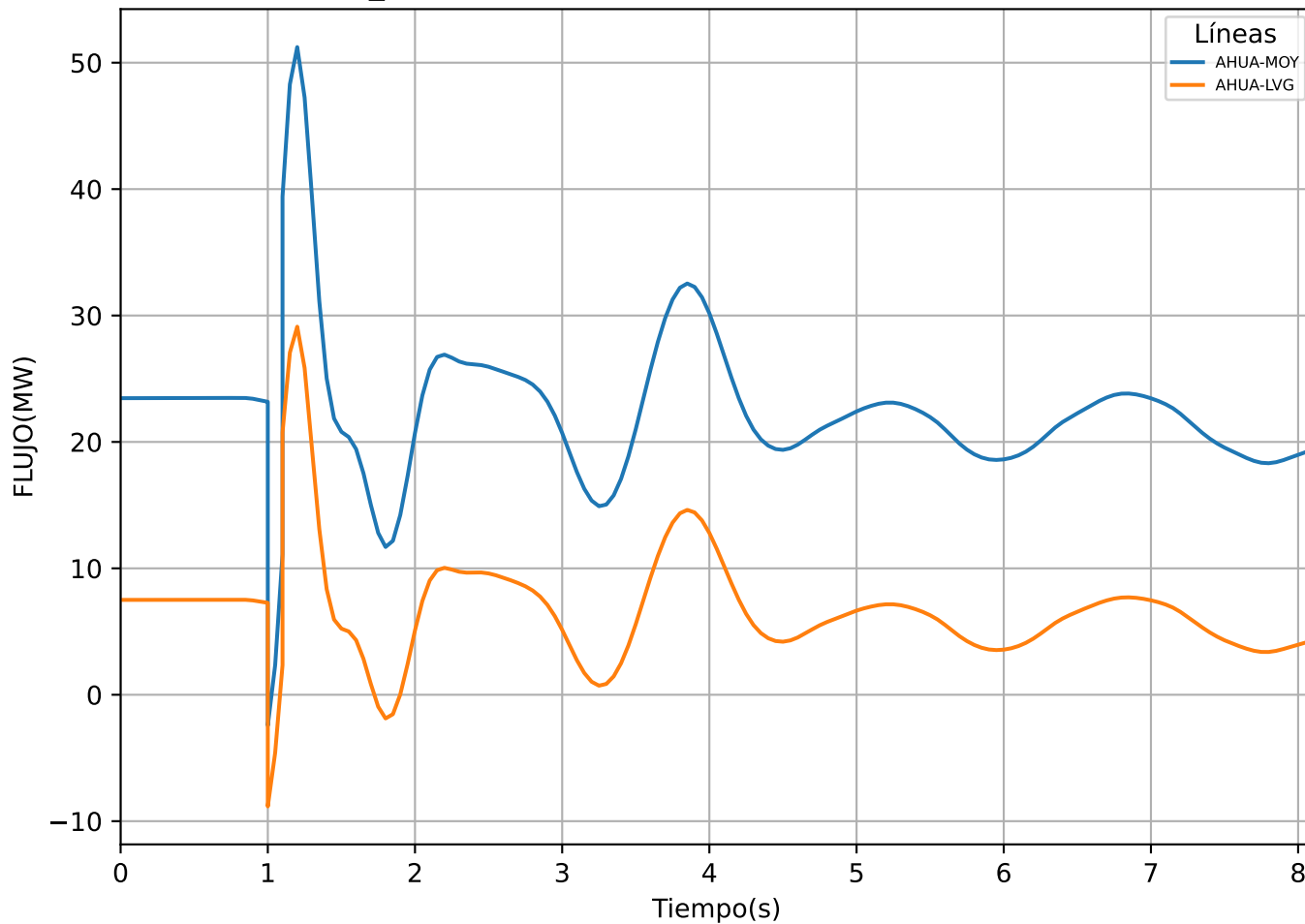
F21_SRAF-CHIN: FRECUENCIA



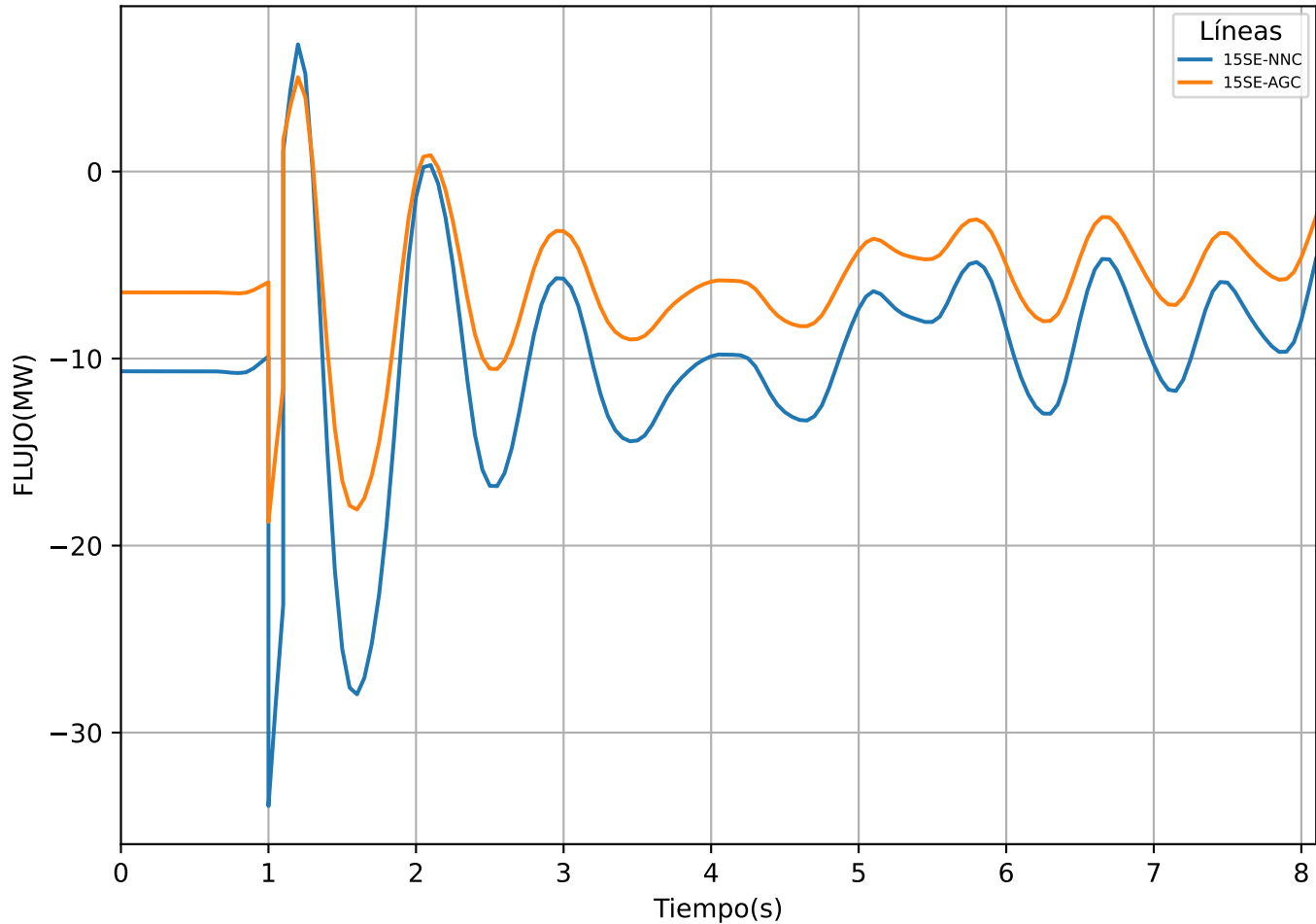
F21_SRAF-CHIN: Intercambios ESA



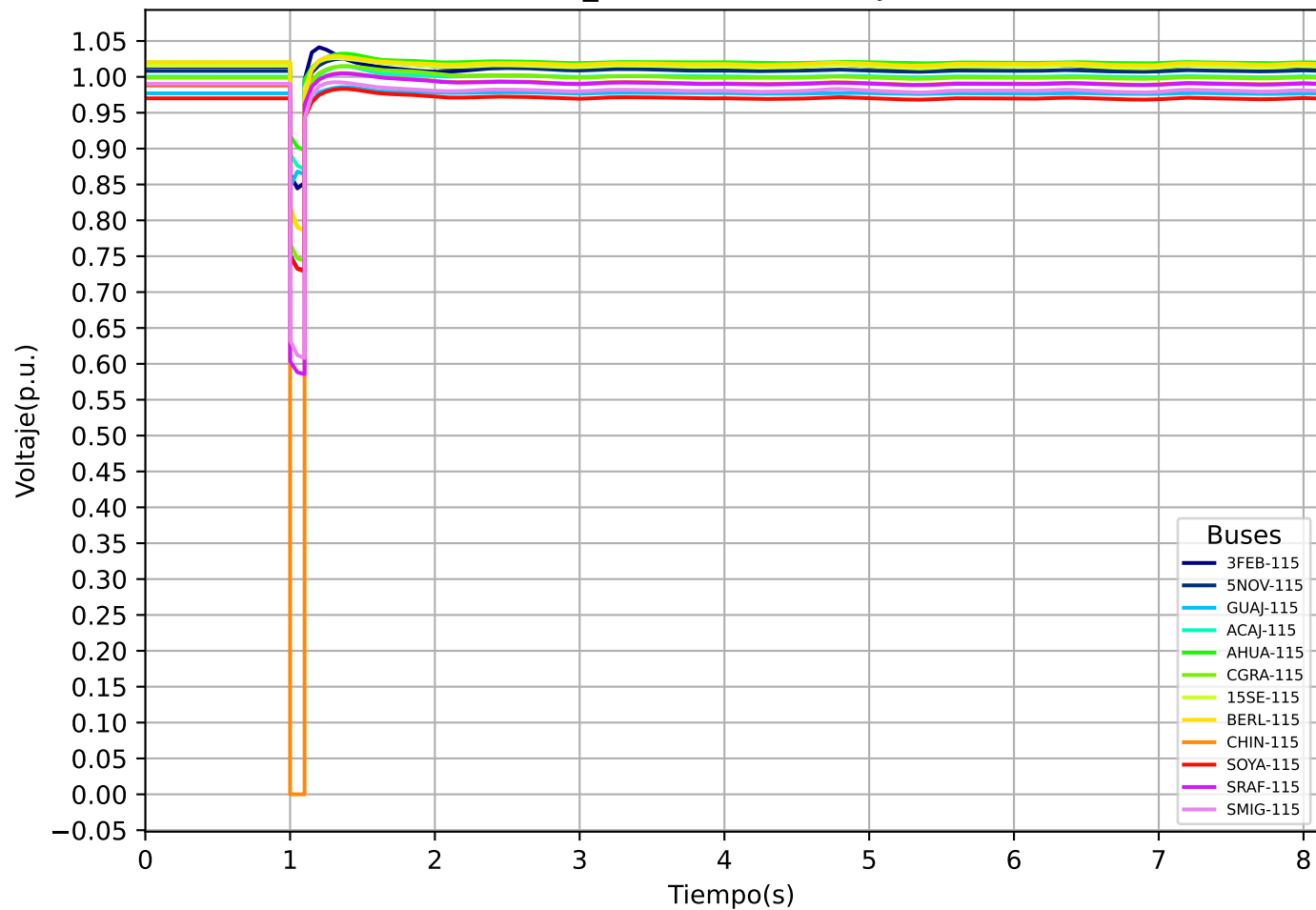
F22_CHIN-TECO: FLUJO INTERCONEXIONES ESA-GUA



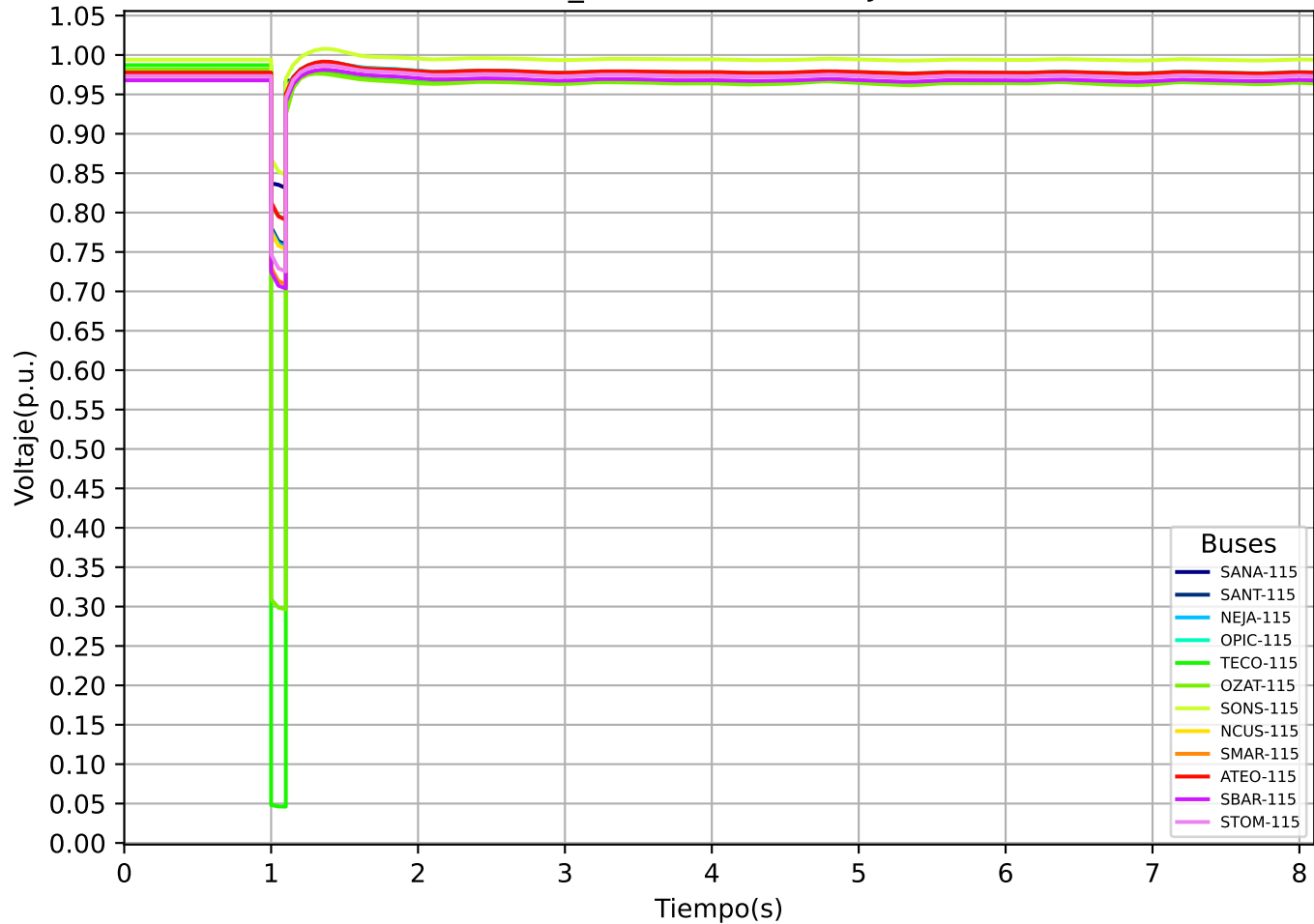
F22_CHIN-TECO: FLUJO INTERCONEXIONES ESA-HON



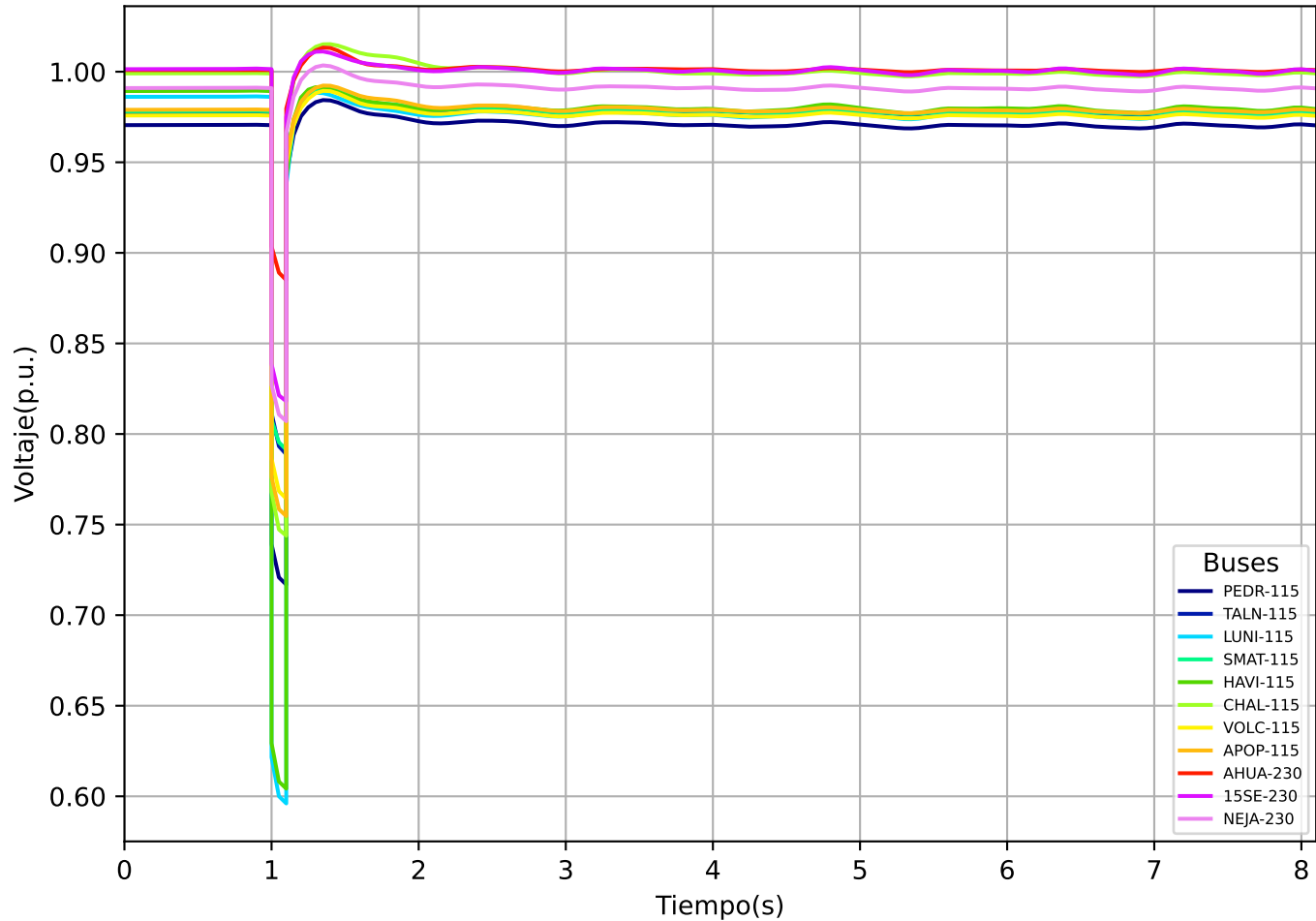
F22_CHIN-TECO: VOLTAJE 1



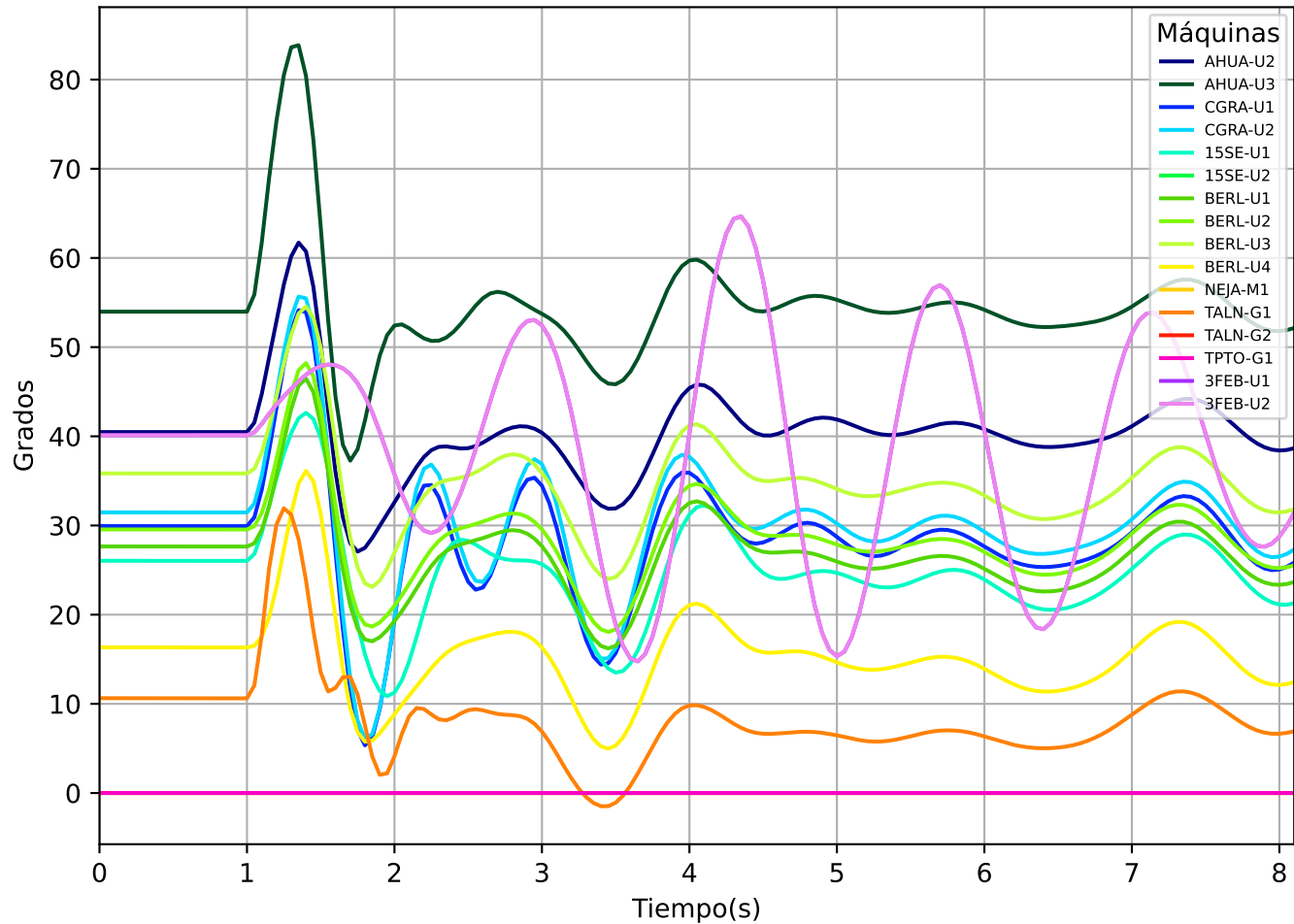
F22_CHIN-TECO: VOLTAJE 2



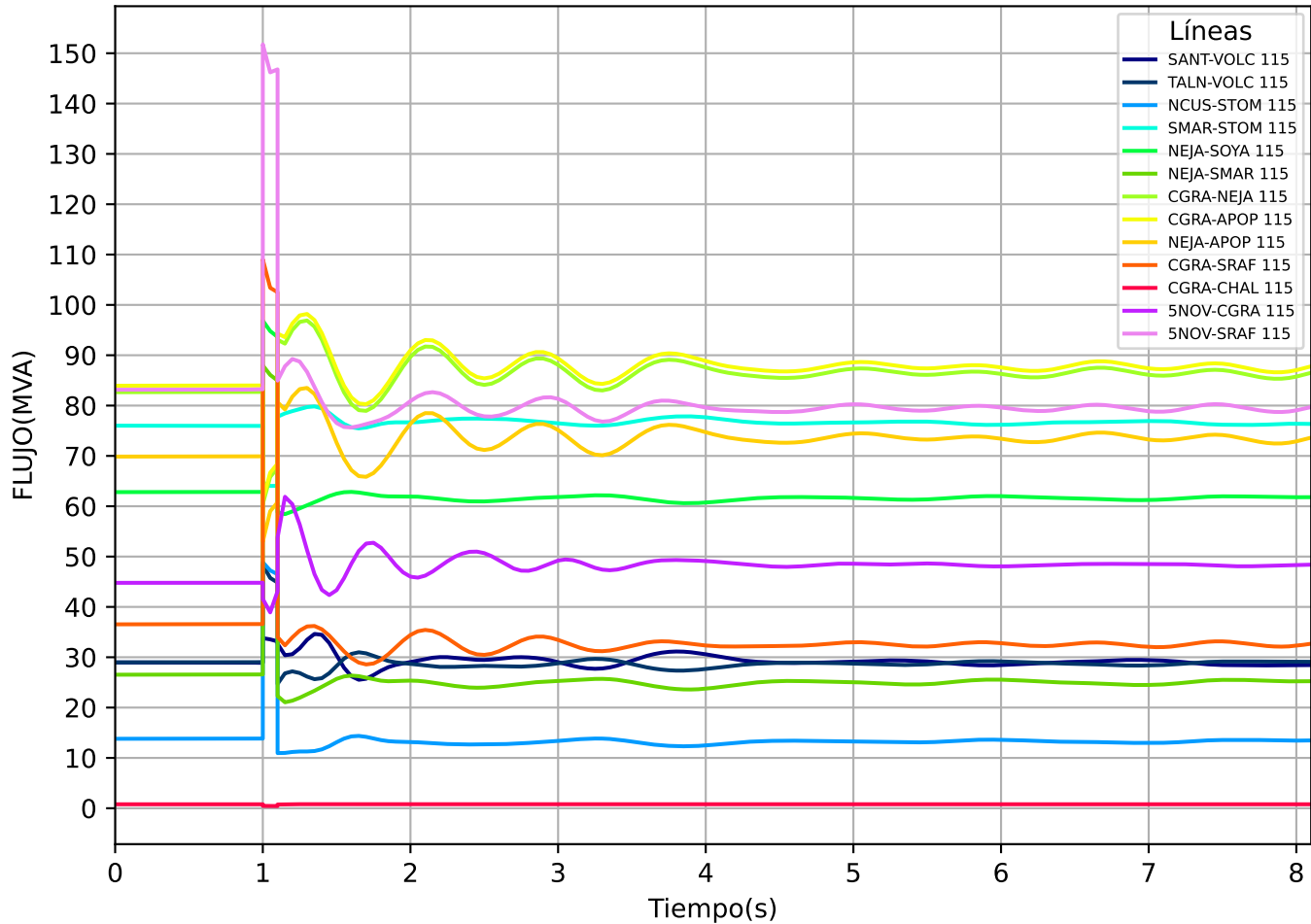
F22_CHIN-TECO: VOLTAJE 3



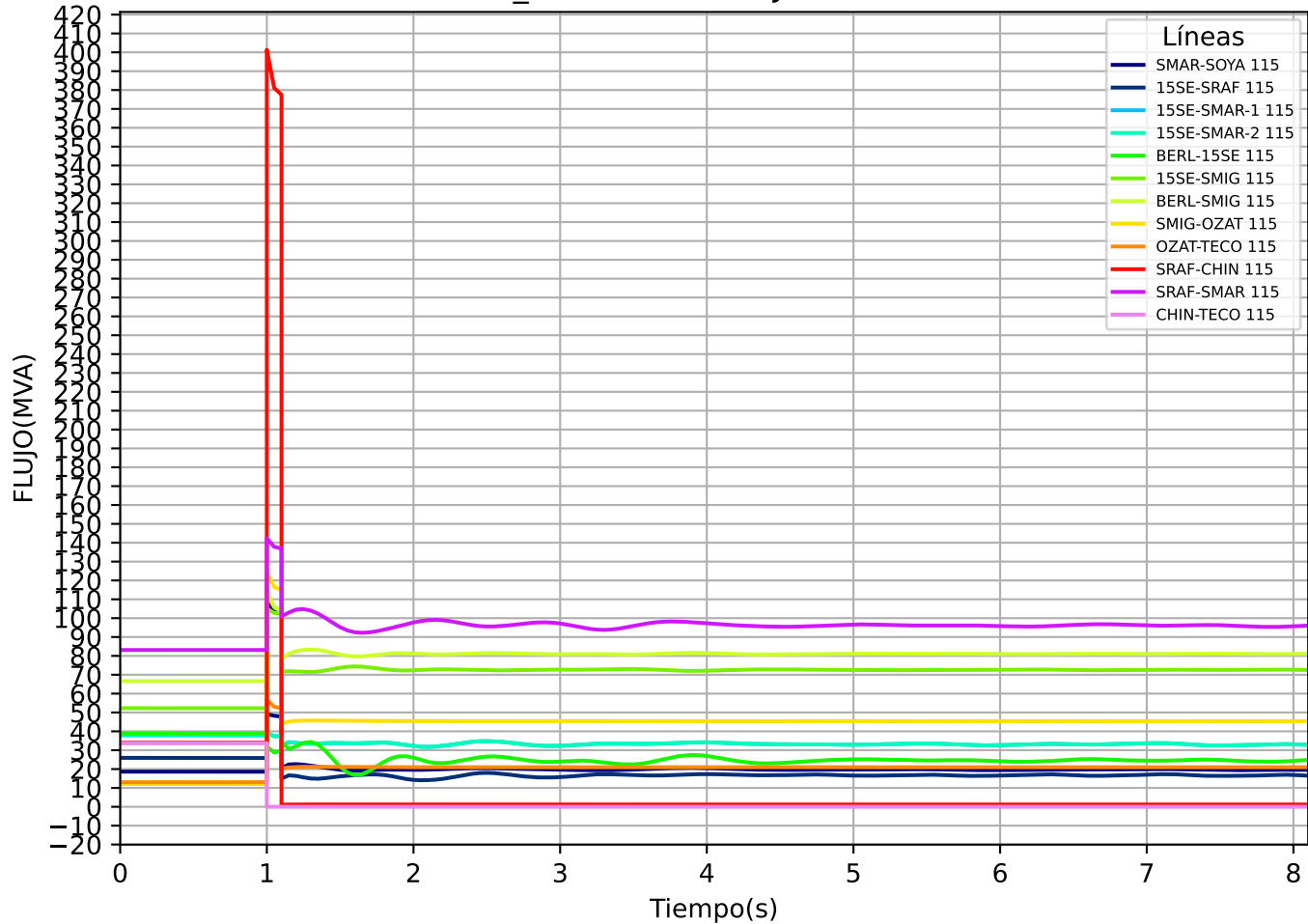
F16_NEJA-AHUA: ANGULO ROTOR 2



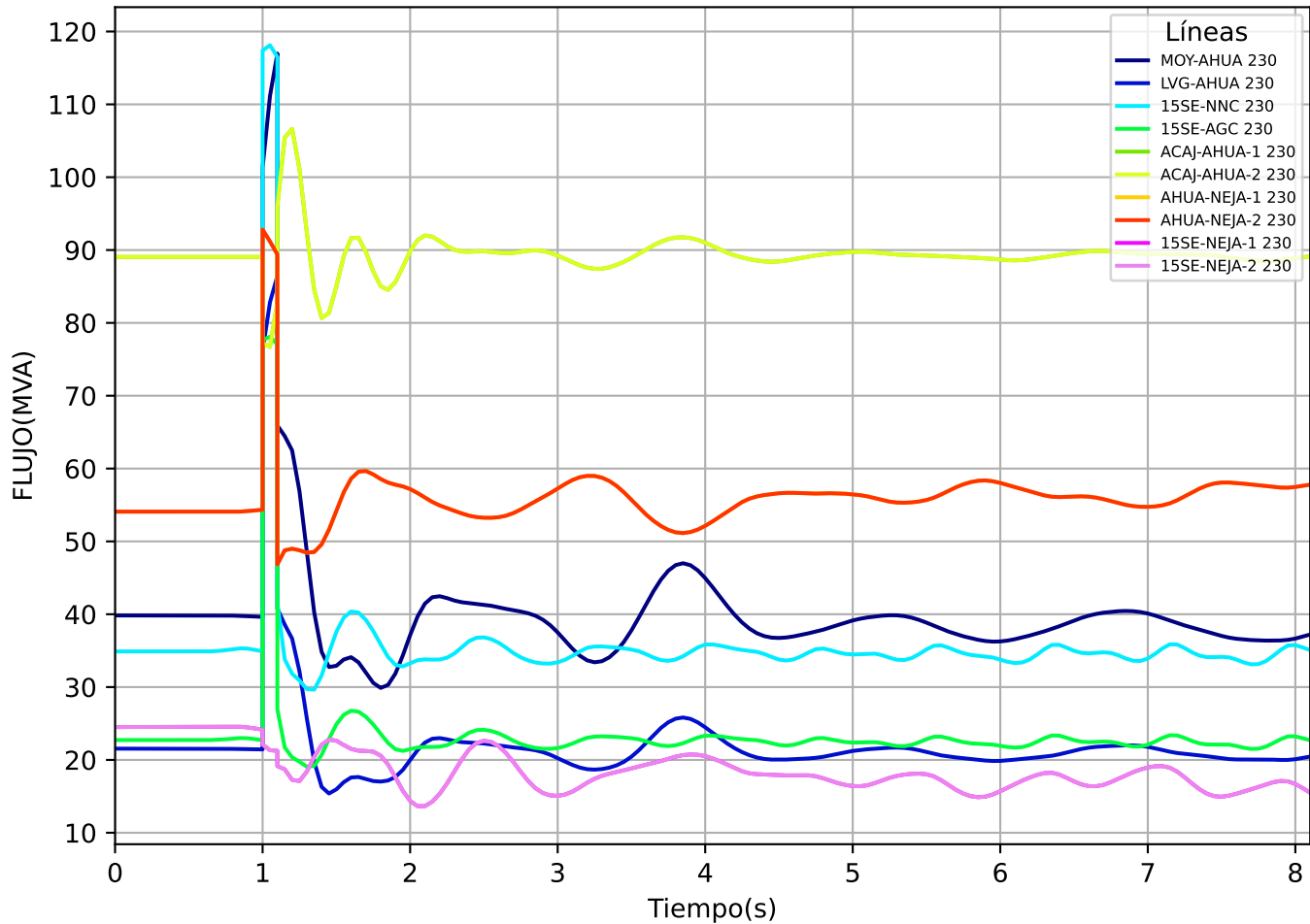
F22_CHIN-TECO: FLUJO L-115kV 2



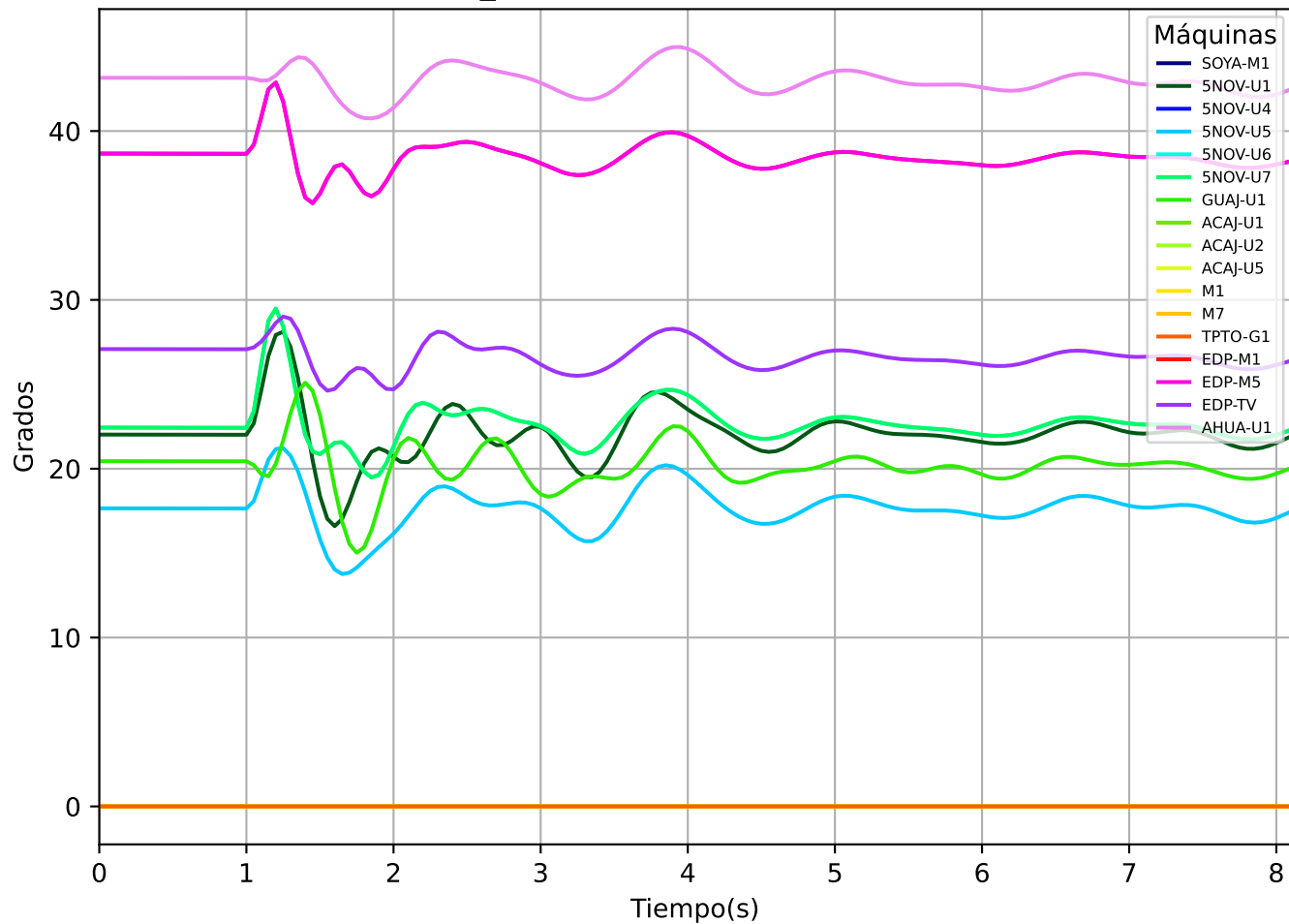
F22_CHIN-TECO: FLUJO L-115kV 3



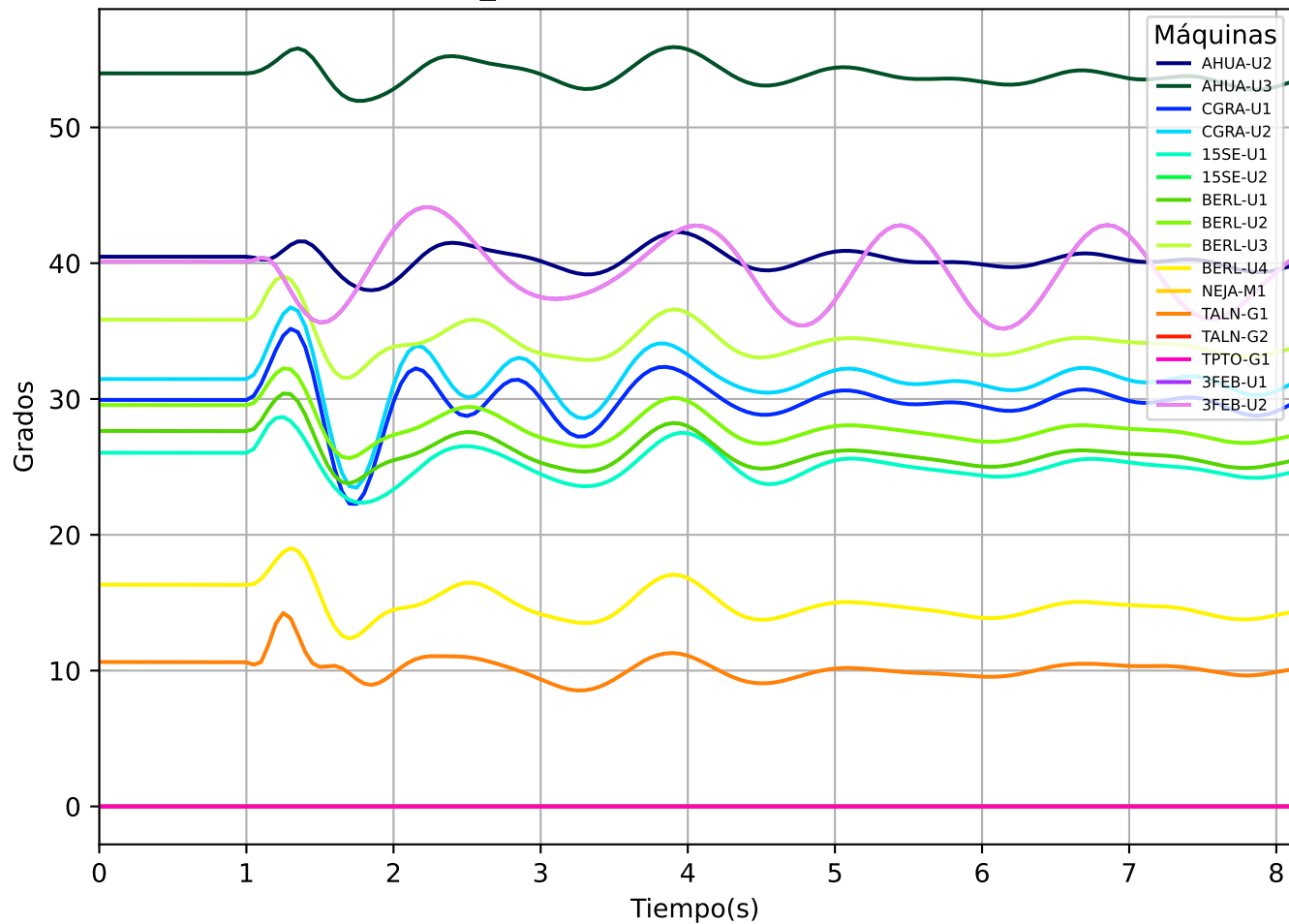
F22_CHIN-TECO: FLUJO L-230kV 4



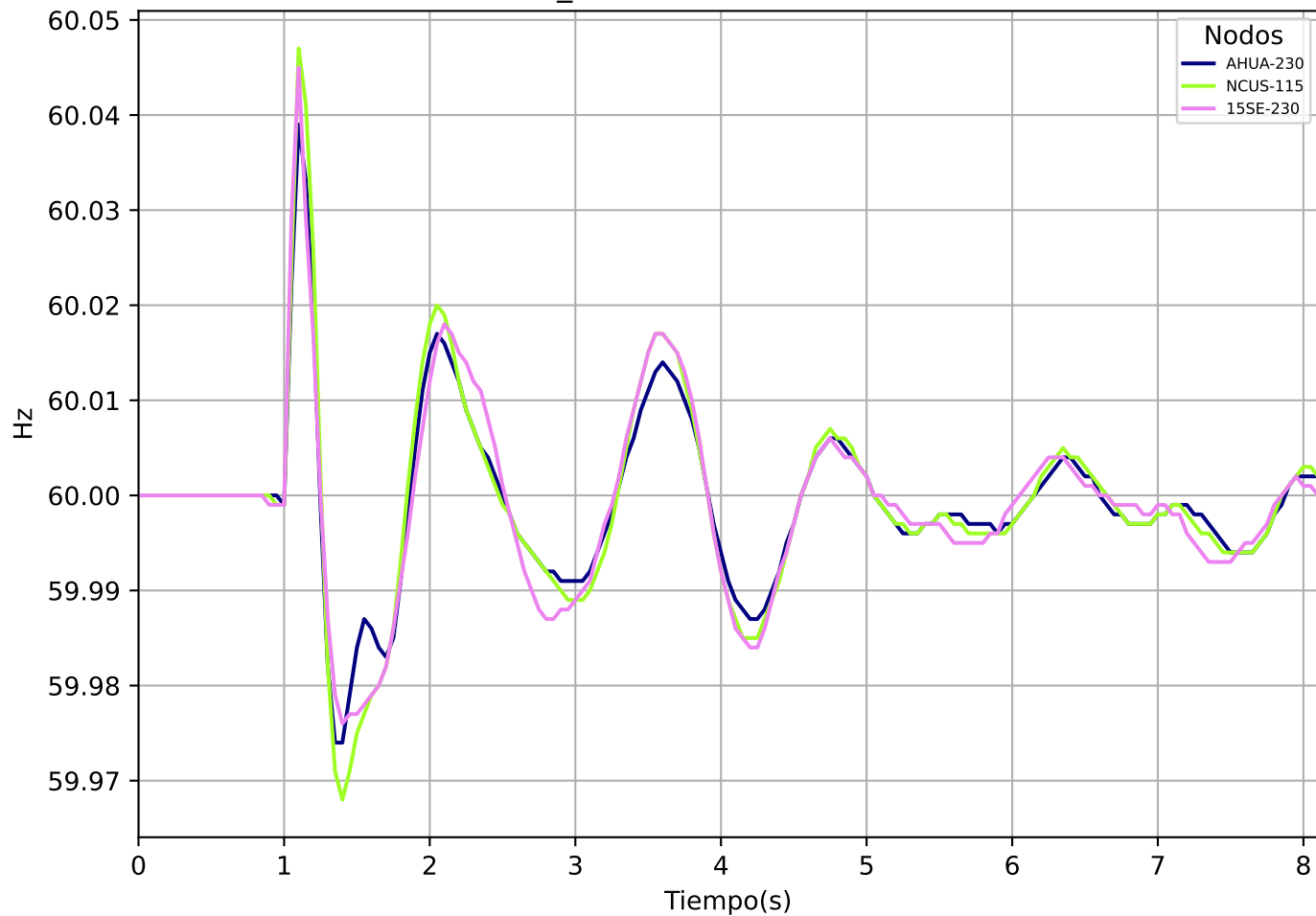
F22_CHIN-TECO: ANGULO ROTOR 1



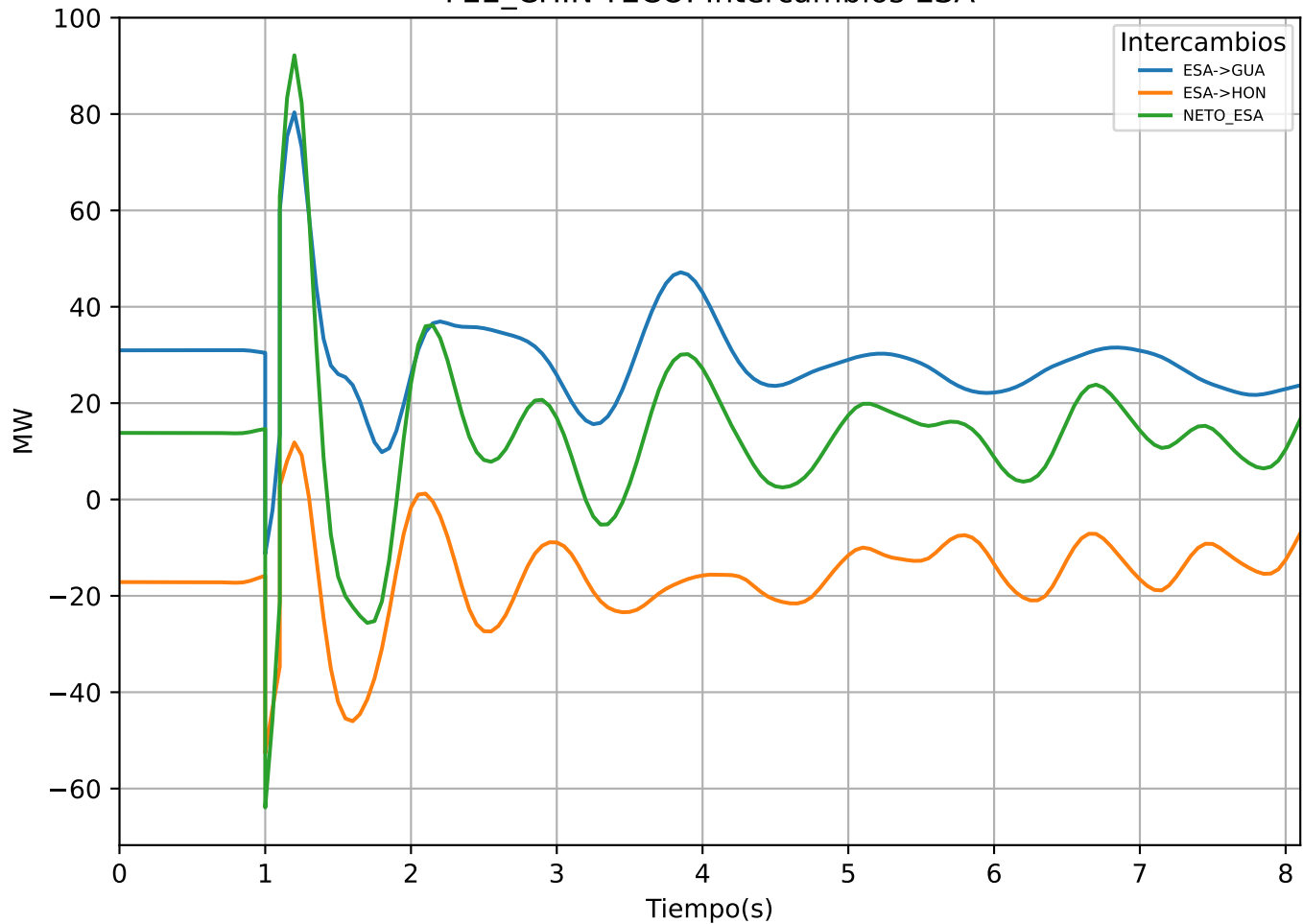
F22_CHIN-TECO: ANGULO ROTOR 2



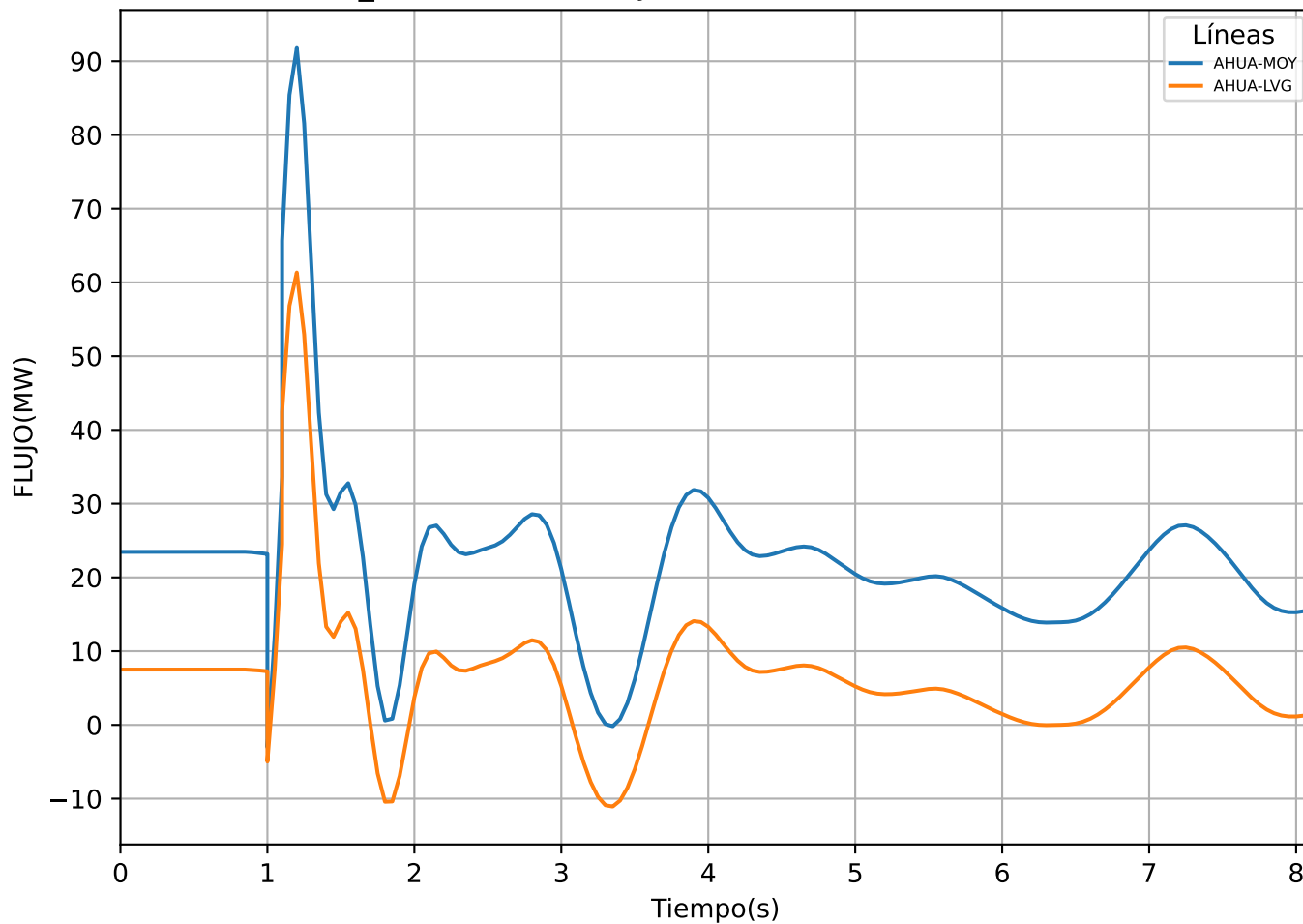
F22_CHIN-TECO: FRECUENCIA



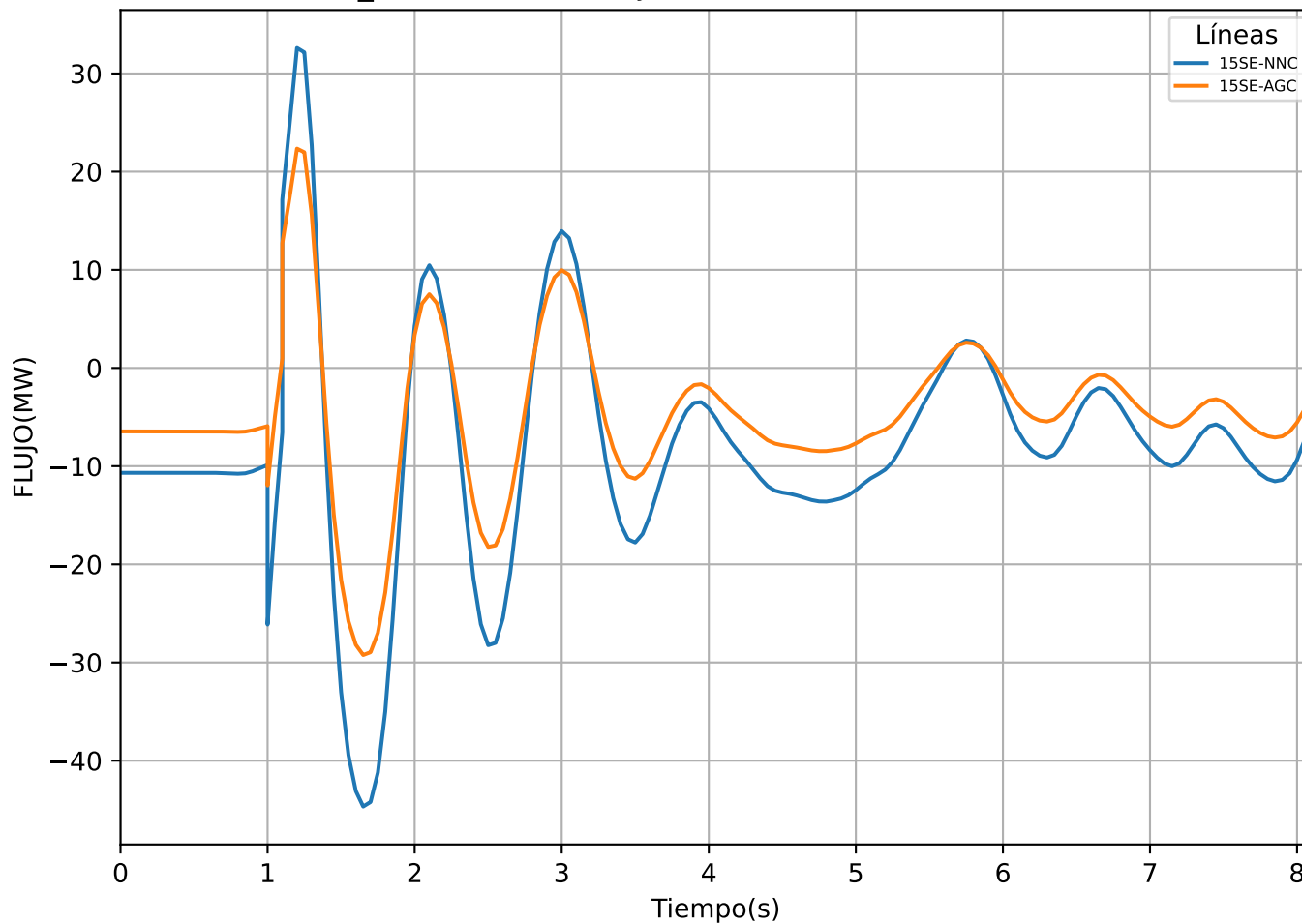
F22_CHIN-TECO: Intercambios ESA



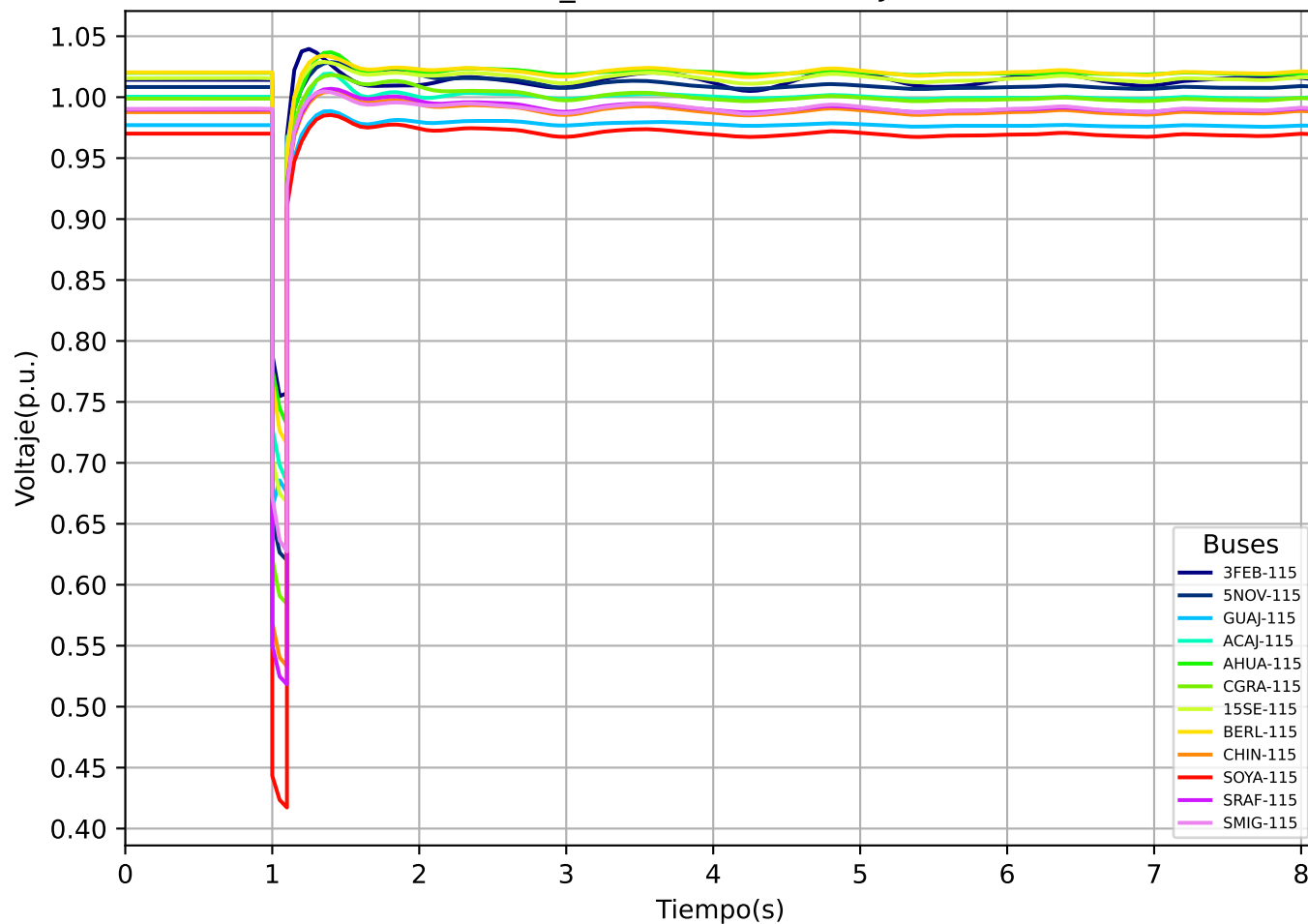
F23_STOM-SMAR: FLUJO INTERCONEXIONES ESA-GUA



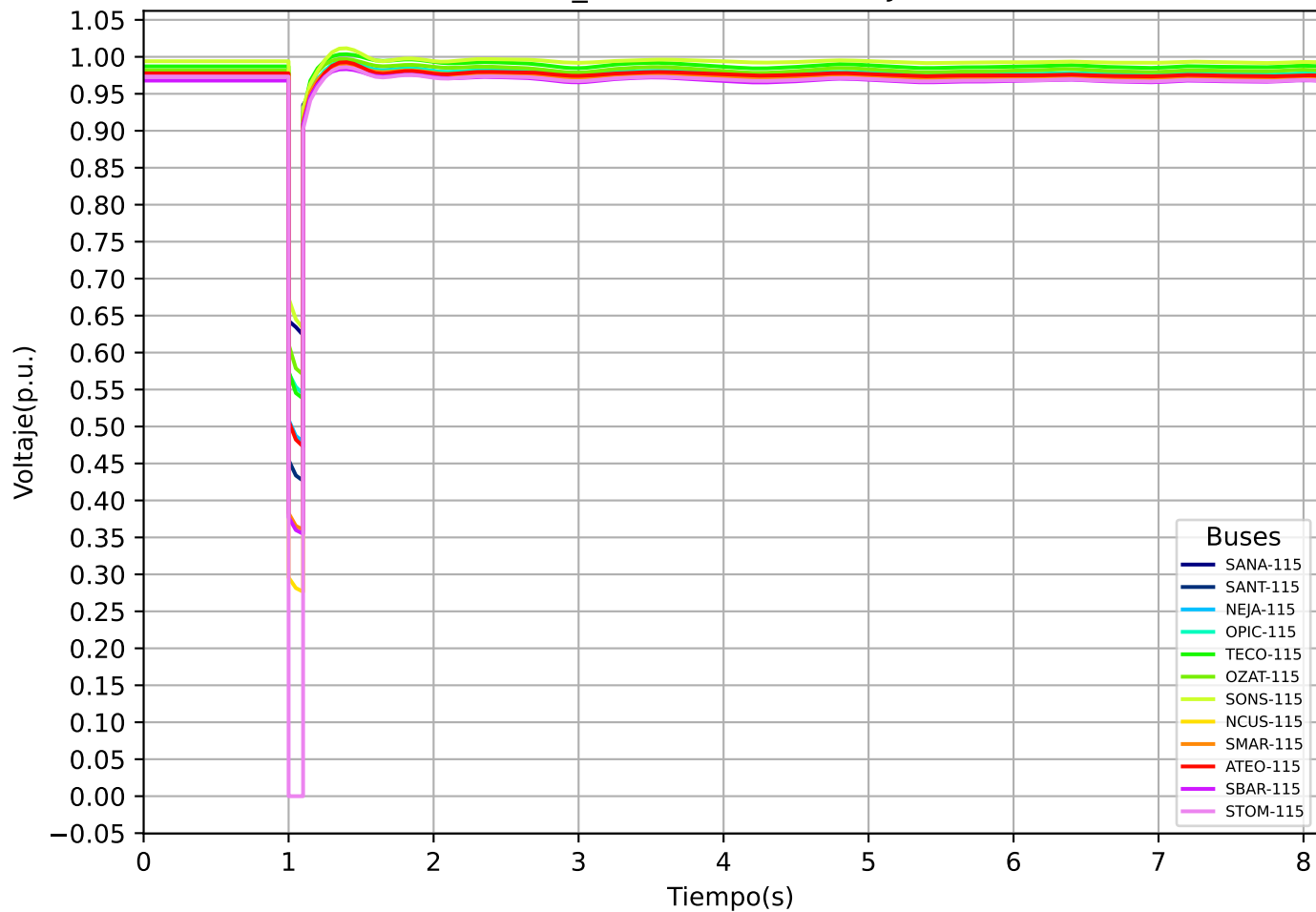
F23_STOM-SMAR: FLUJO INTERCONEXIONES ESA-HON



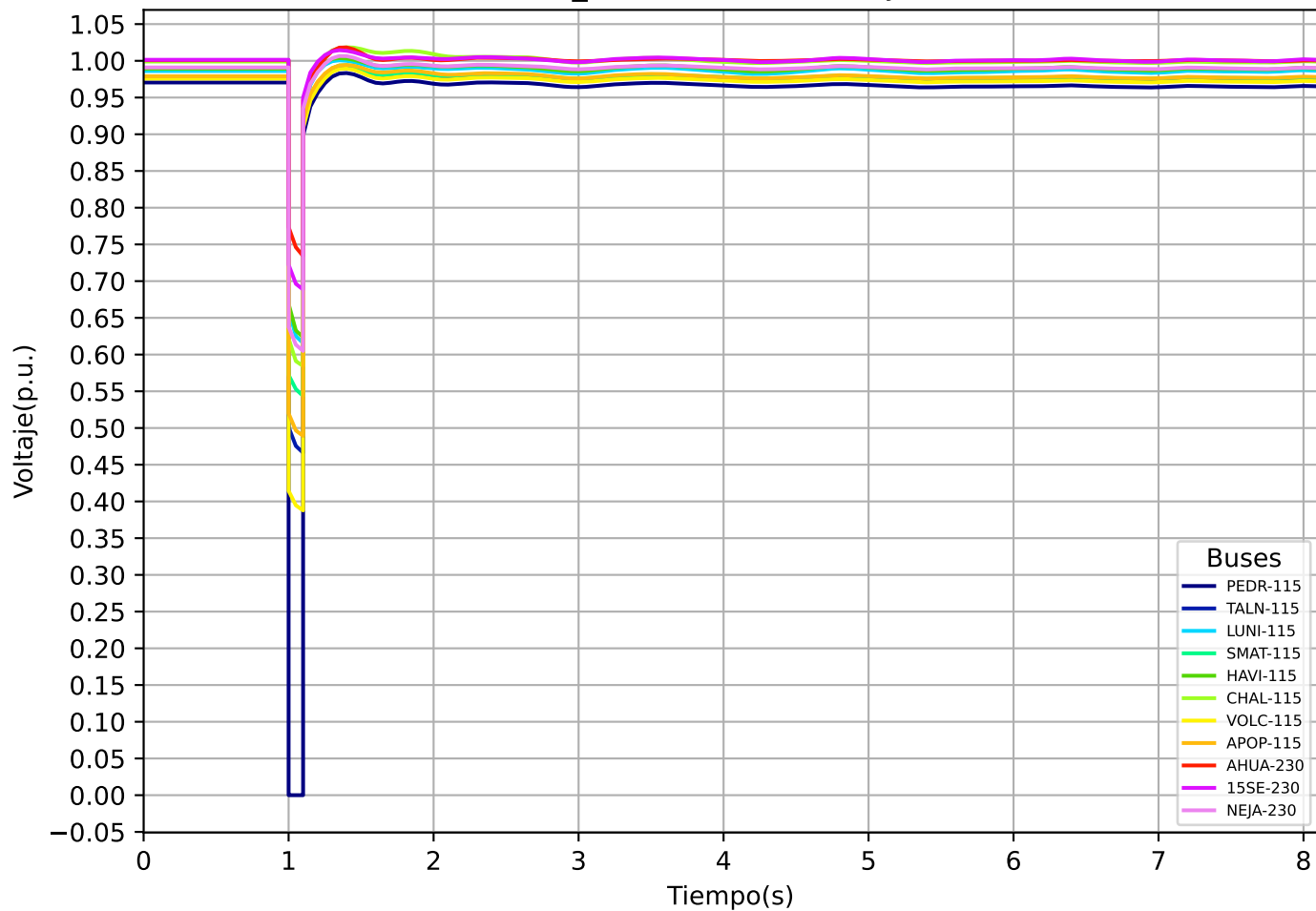
F23_STOM-SMAR: VOLTAJE 1



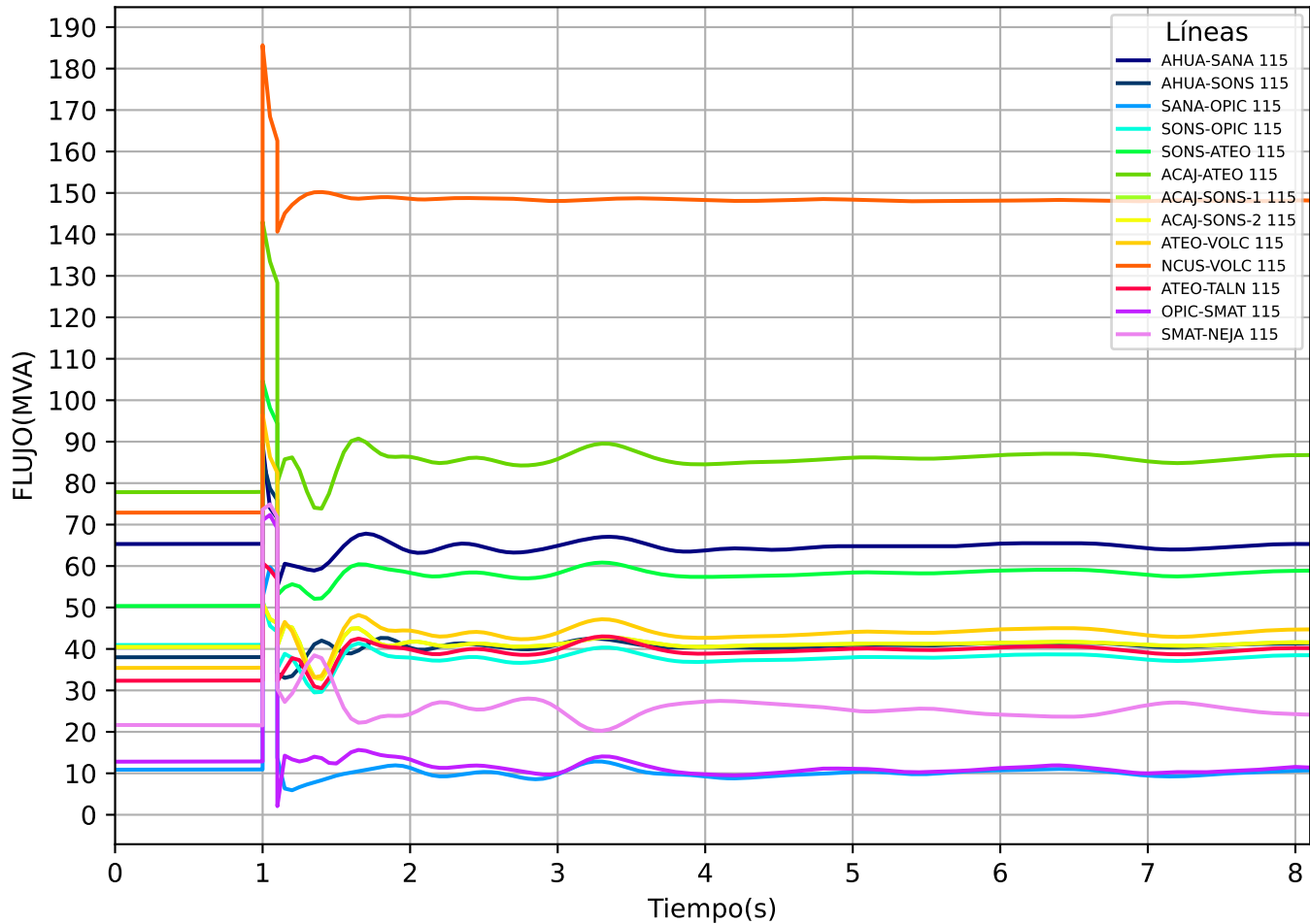
F23_STOM-SMAR: VOLTAJE 2



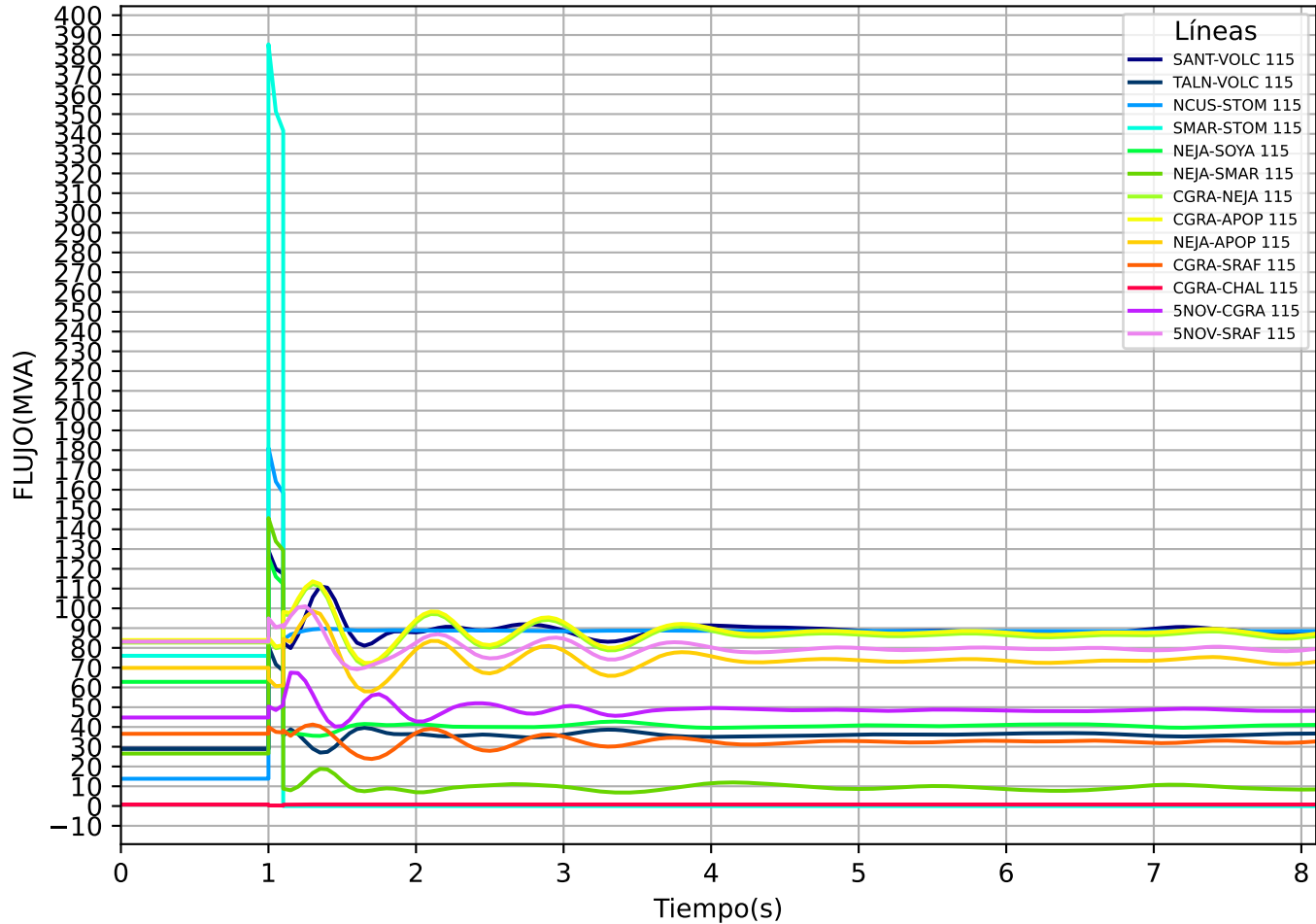
F23_STOM-SMAR: VOLTAJE 3



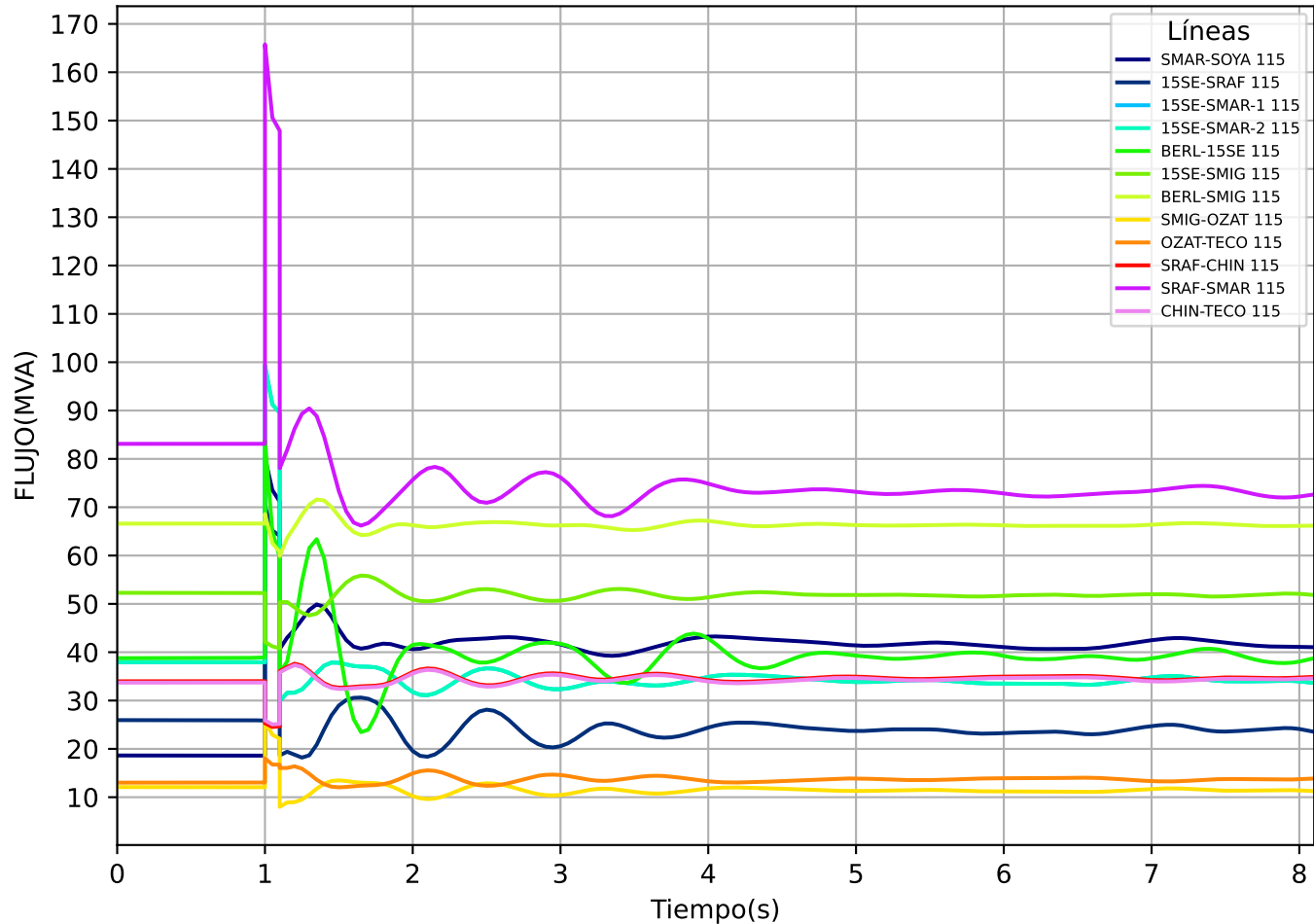
F23_STOM-SMAR: FLUJO L-115kV 1



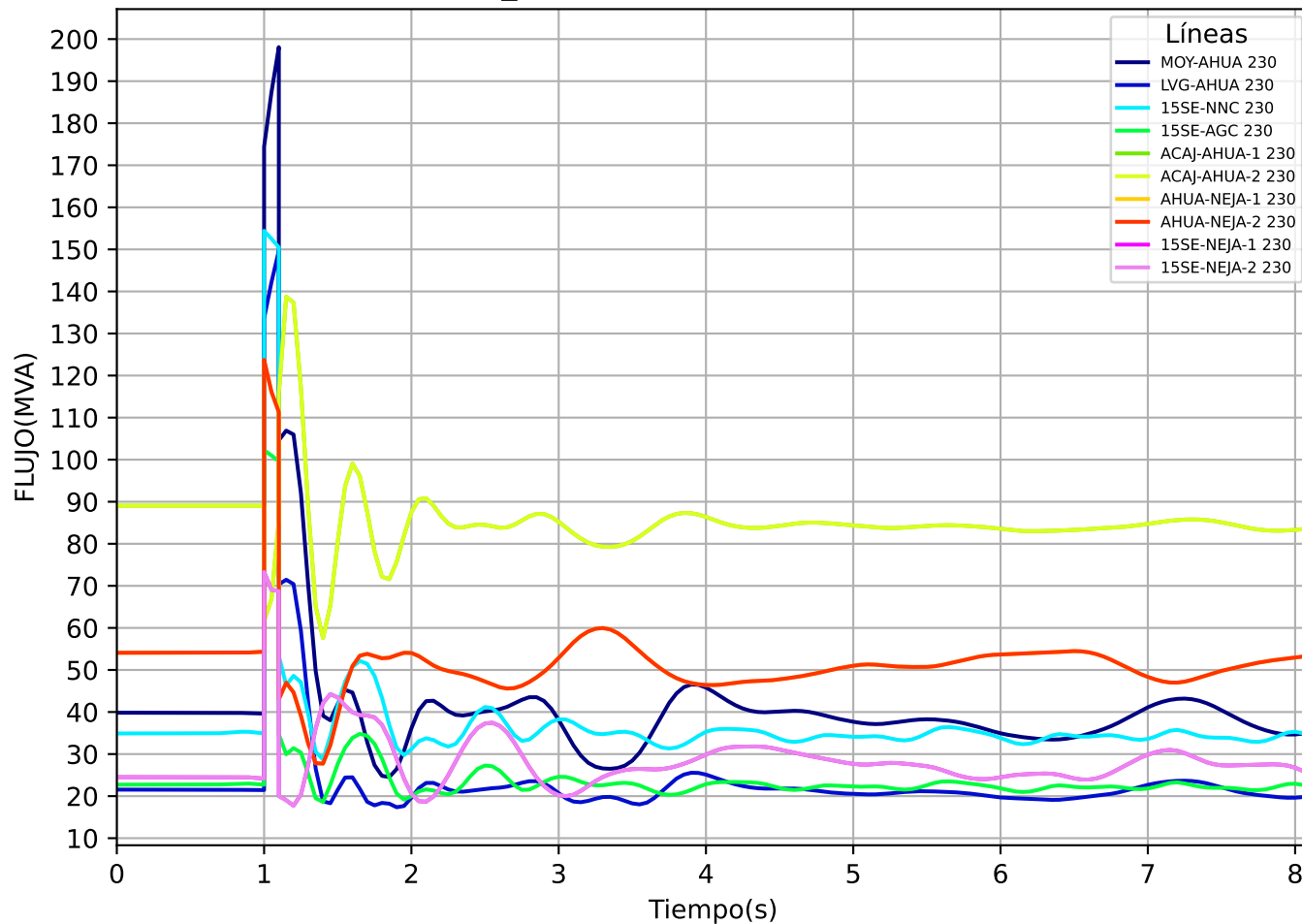
F23_STOM-SMAR: FLUJO L-115kV 2



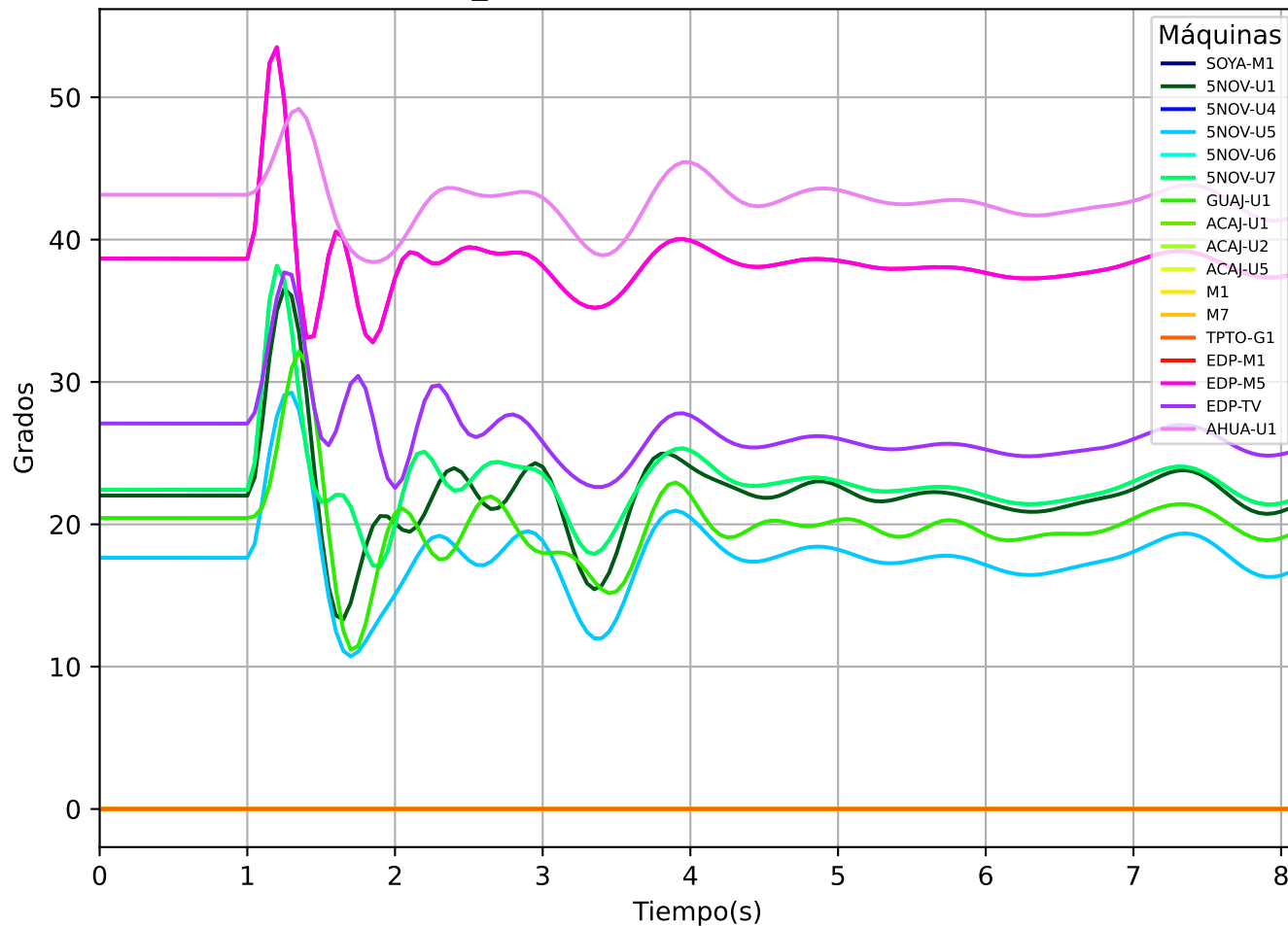
F23_STOM-SMAR: FLUJO L-115kV 3



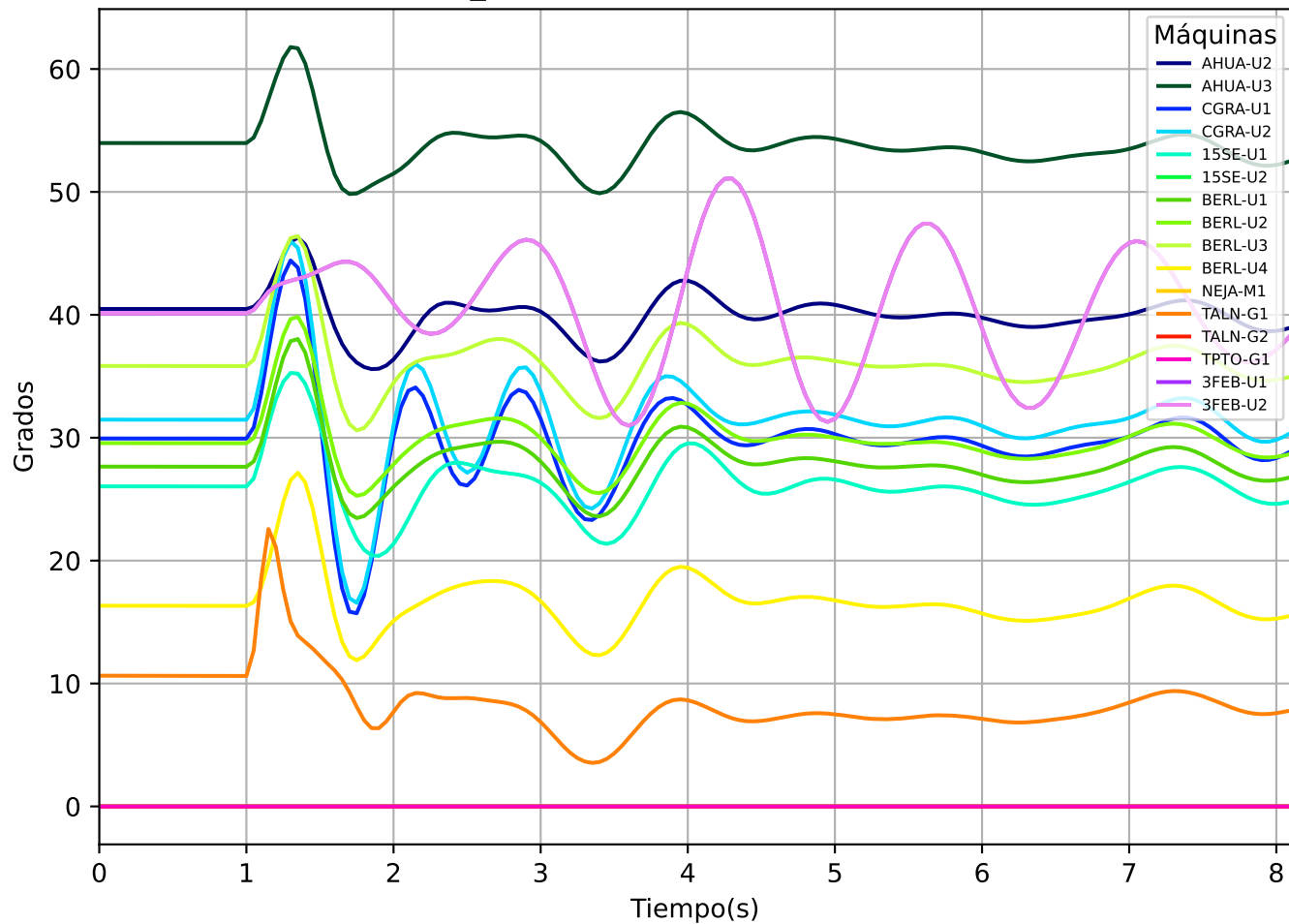
F23_STOM-SMAR: FLUJO L-230kV 4



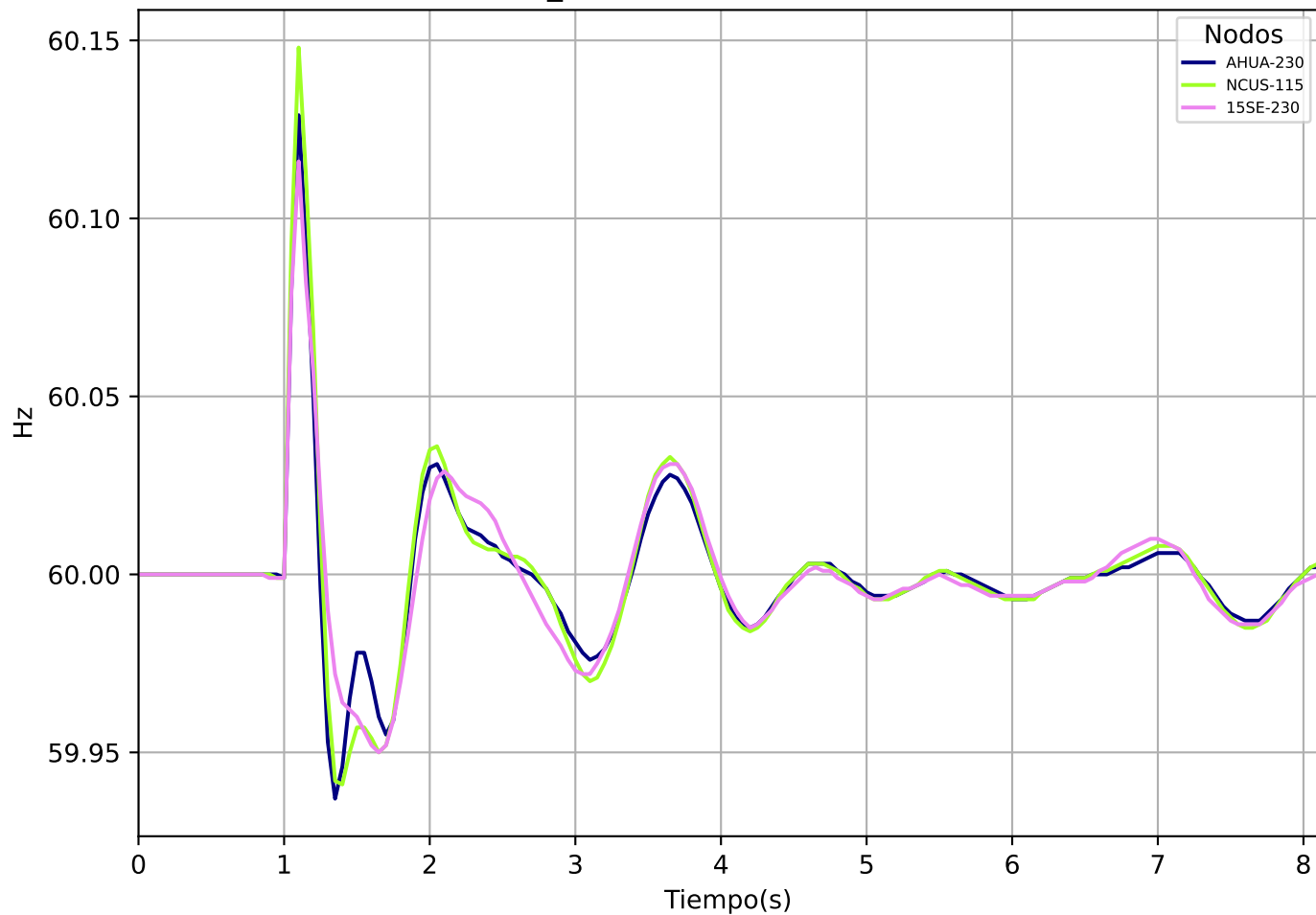
F23_STOM-SMAR: ANGULO ROTOR 1



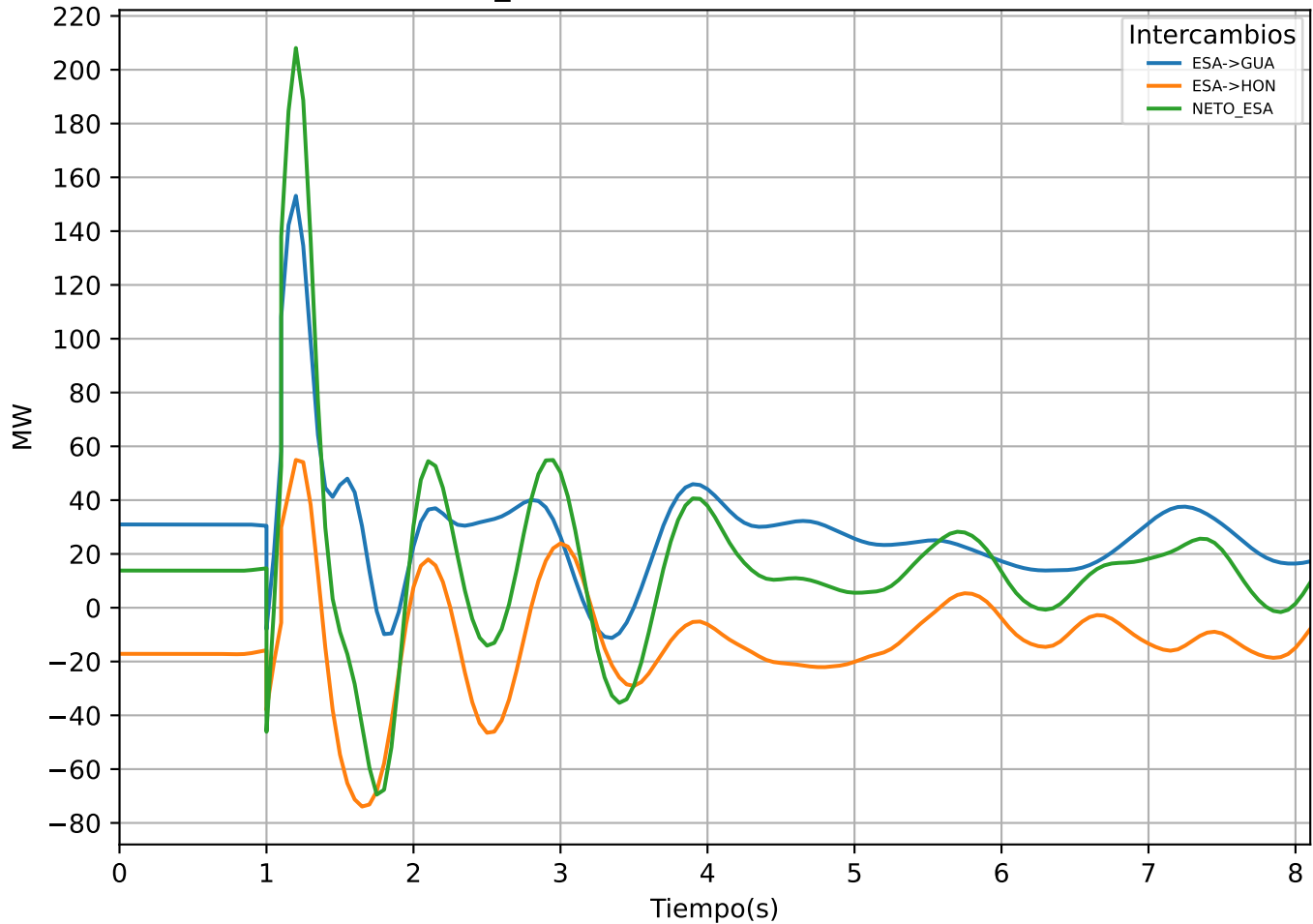
F23_STOM-SMAR: ANGULO ROTOR 2



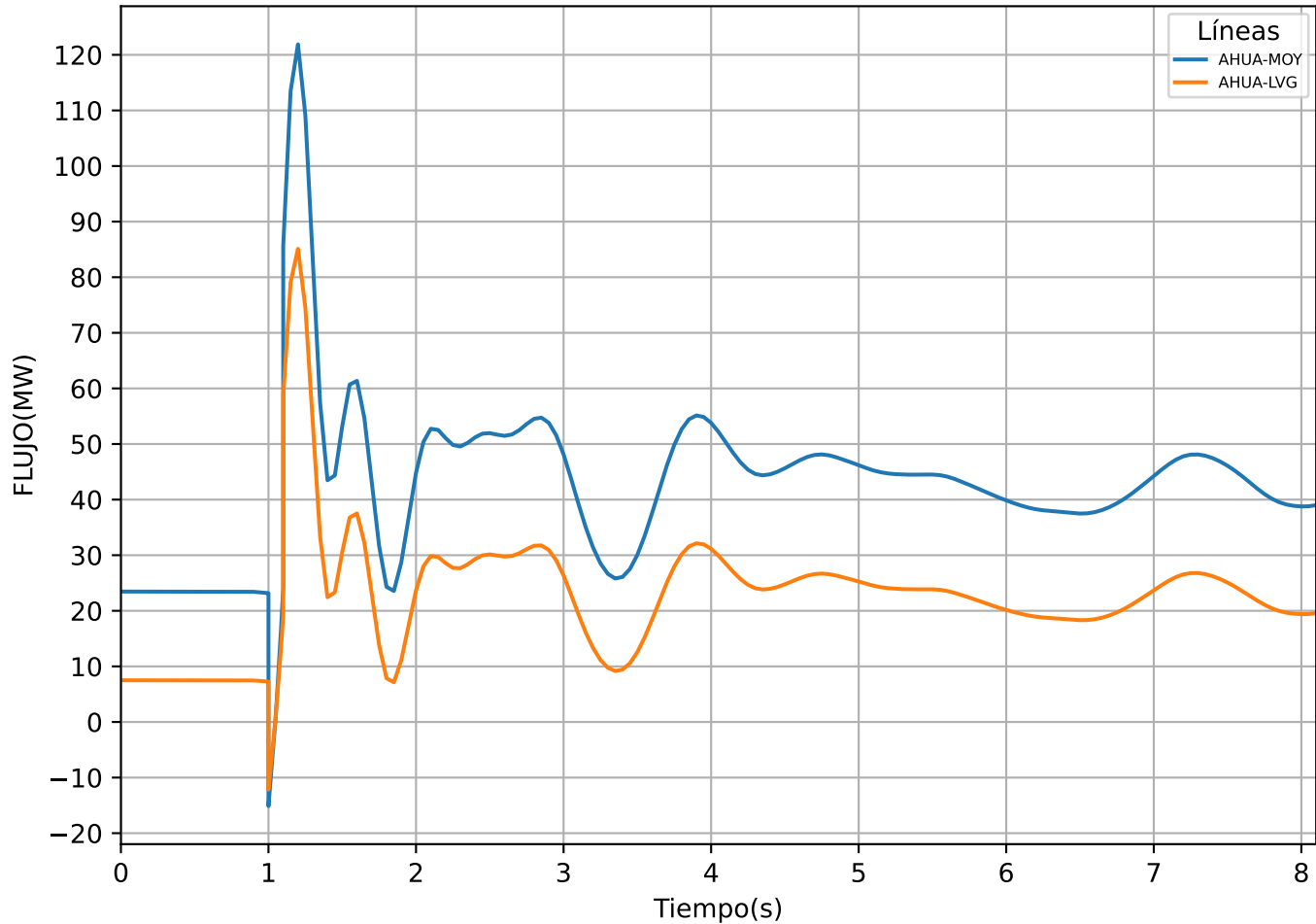
F23_STOM-SMAR: FRECUENCIA



F23_STOM-SMAR: Intercambios ESA



F24_ATEO-ACAJ: FLUJO INTERCONEXIONES ESA-GUA



F24_ATEO-ACAJ: FLUJO INTERCONEXIONES ESA-HON

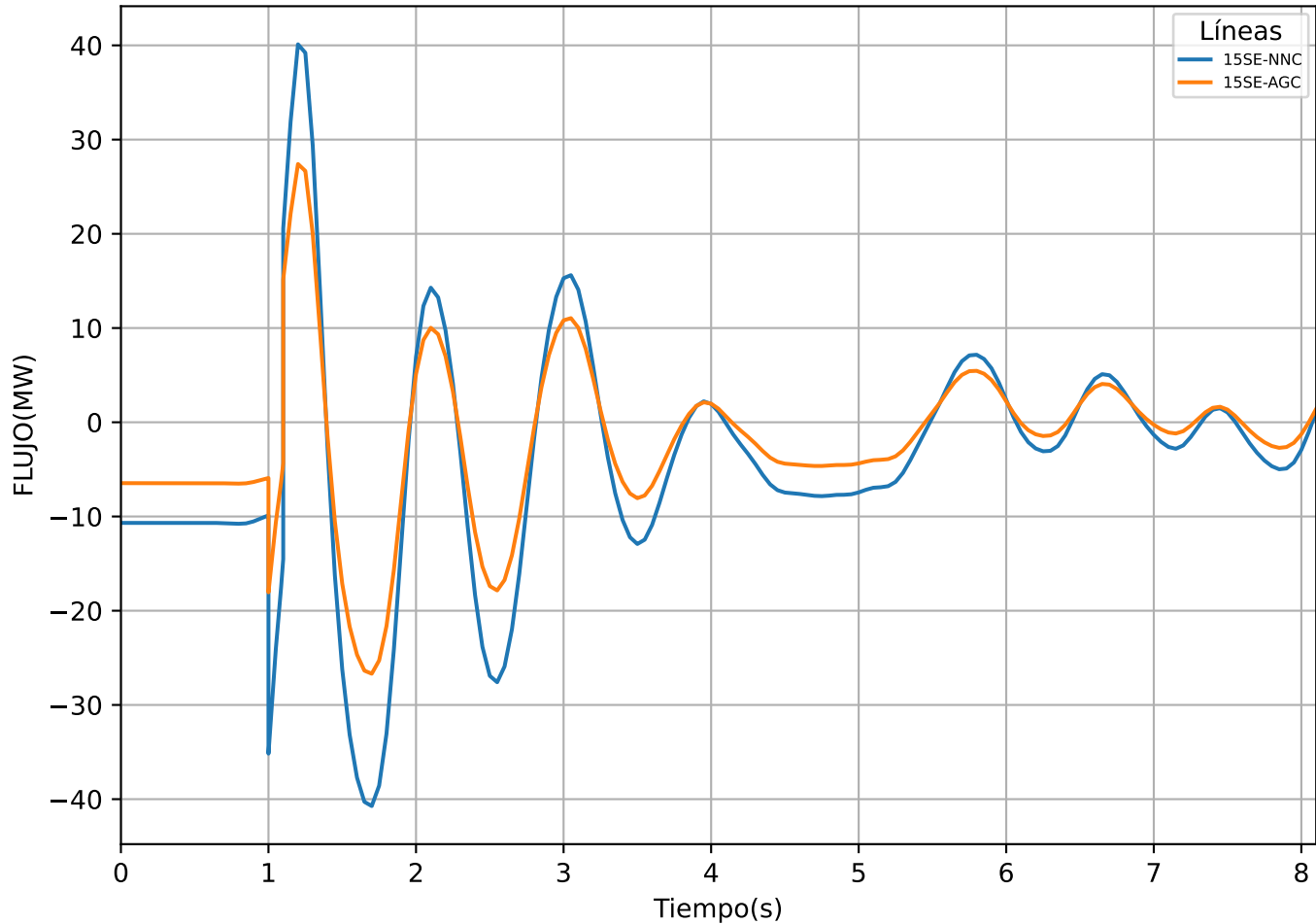
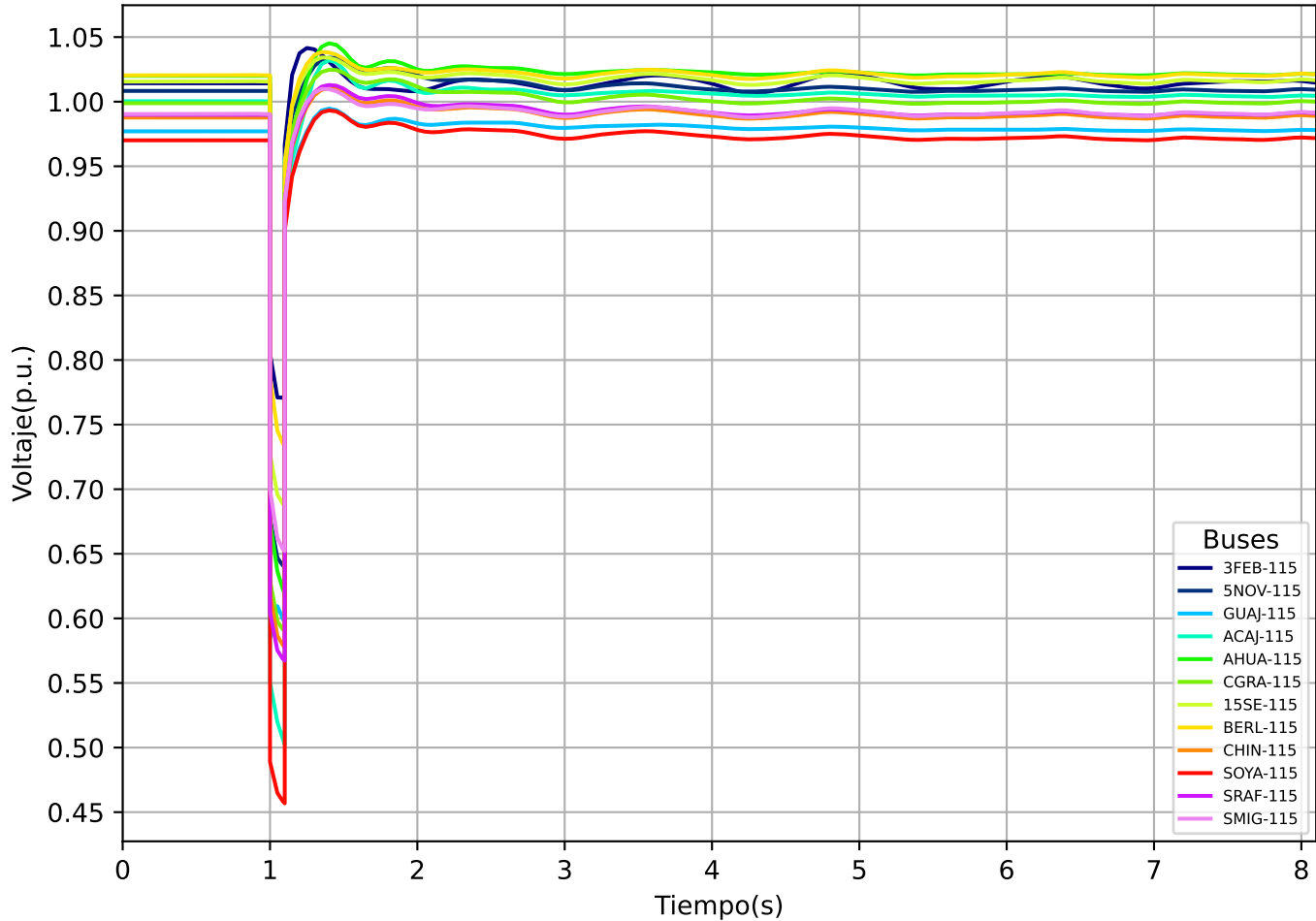
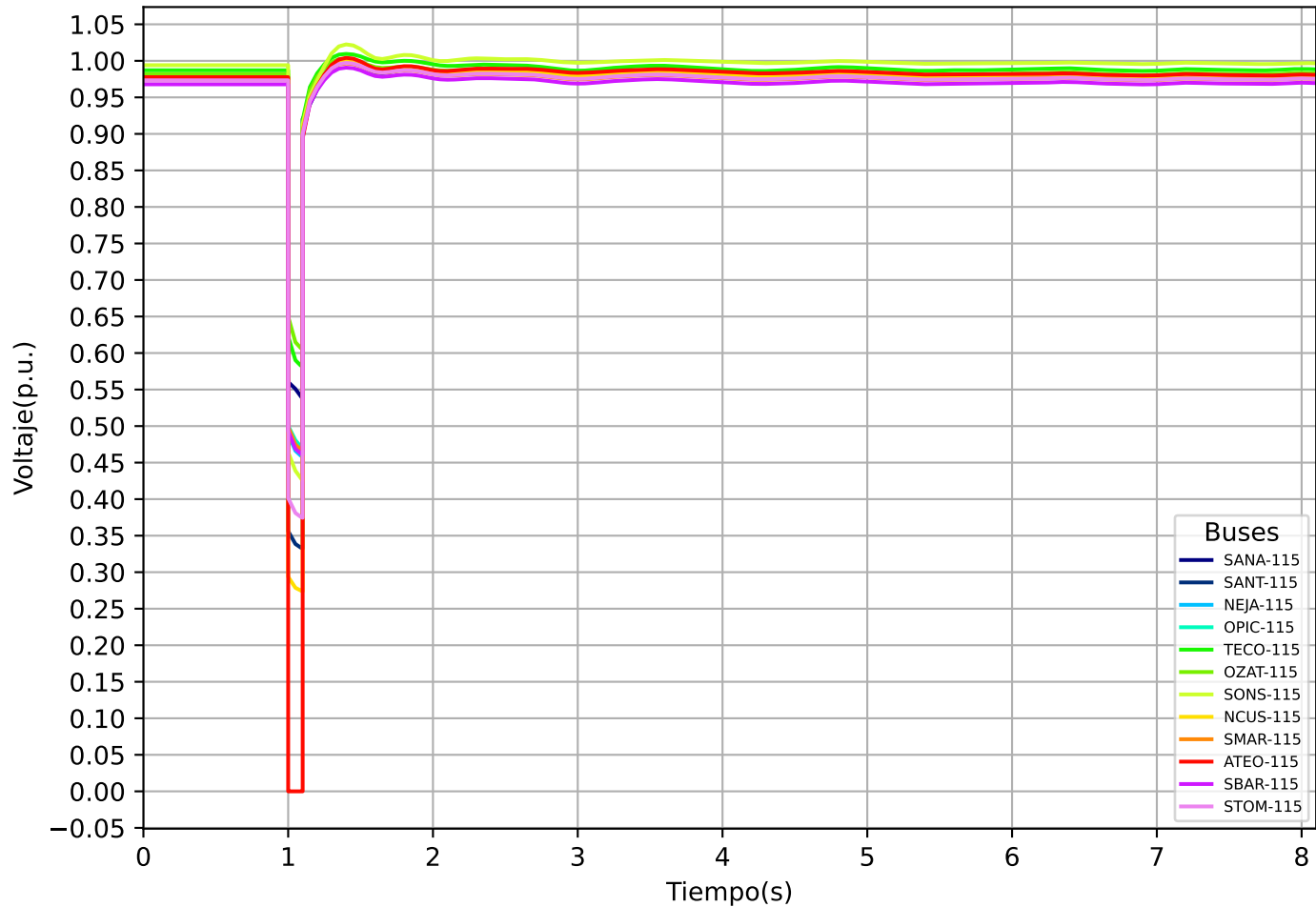


Figure 10 displays the normalized power spectrum of the 115 bus voltage for various buses. The x-axis represents frequency in Hz, ranging from 0 to 8. The y-axis represents normalized power, ranging from 0 to 1.0. All buses show a sharp peak at approximately 1.0 Hz, indicating a resonance or fault frequency. The peak magnitude varies slightly between buses, with 3FEB-115 and 5NOV-115 showing the highest peaks and SOYA-115 showing the lowest. The power spectrum for each bus is represented by a different colored line.

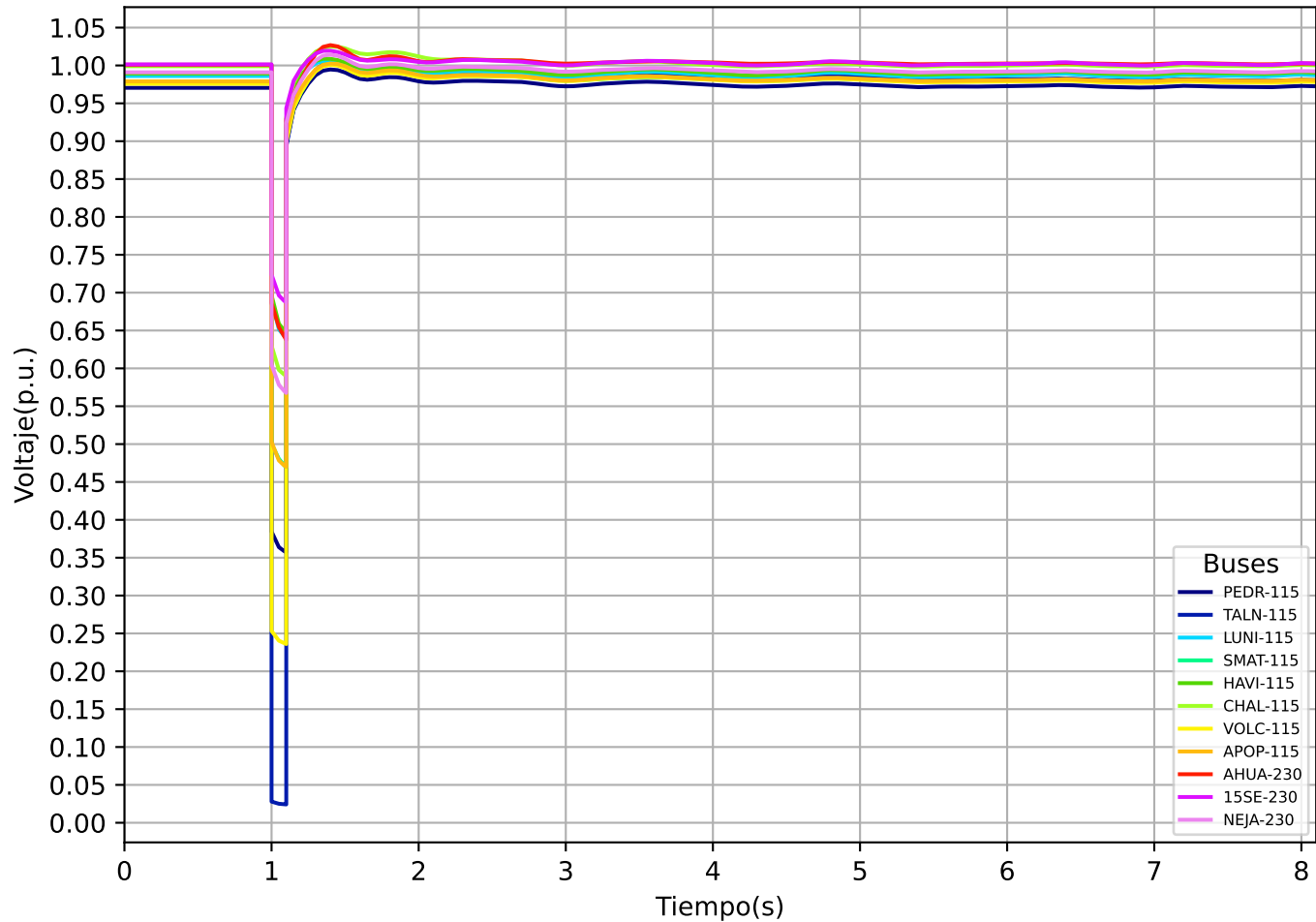
Bus	Color	Approximate Peak Power at 1.0 Hz
3FEB-115	Dark Blue	0.95
5NOV-115	Dark Blue	0.95
GUAJ-115	Light Blue	0.90
ACAJ-115	Cyan	0.88
AHUA-115	Green	0.85
CGRA-115	Light Green	0.82
15SE-115	Yellow-Green	0.80
BERL-115	Yellow	0.78
CHIN-115	Orange	0.75
SOYA-115	Red	0.70
SRAF-115	Purple	0.68
SMIG-115	Pink	0.65



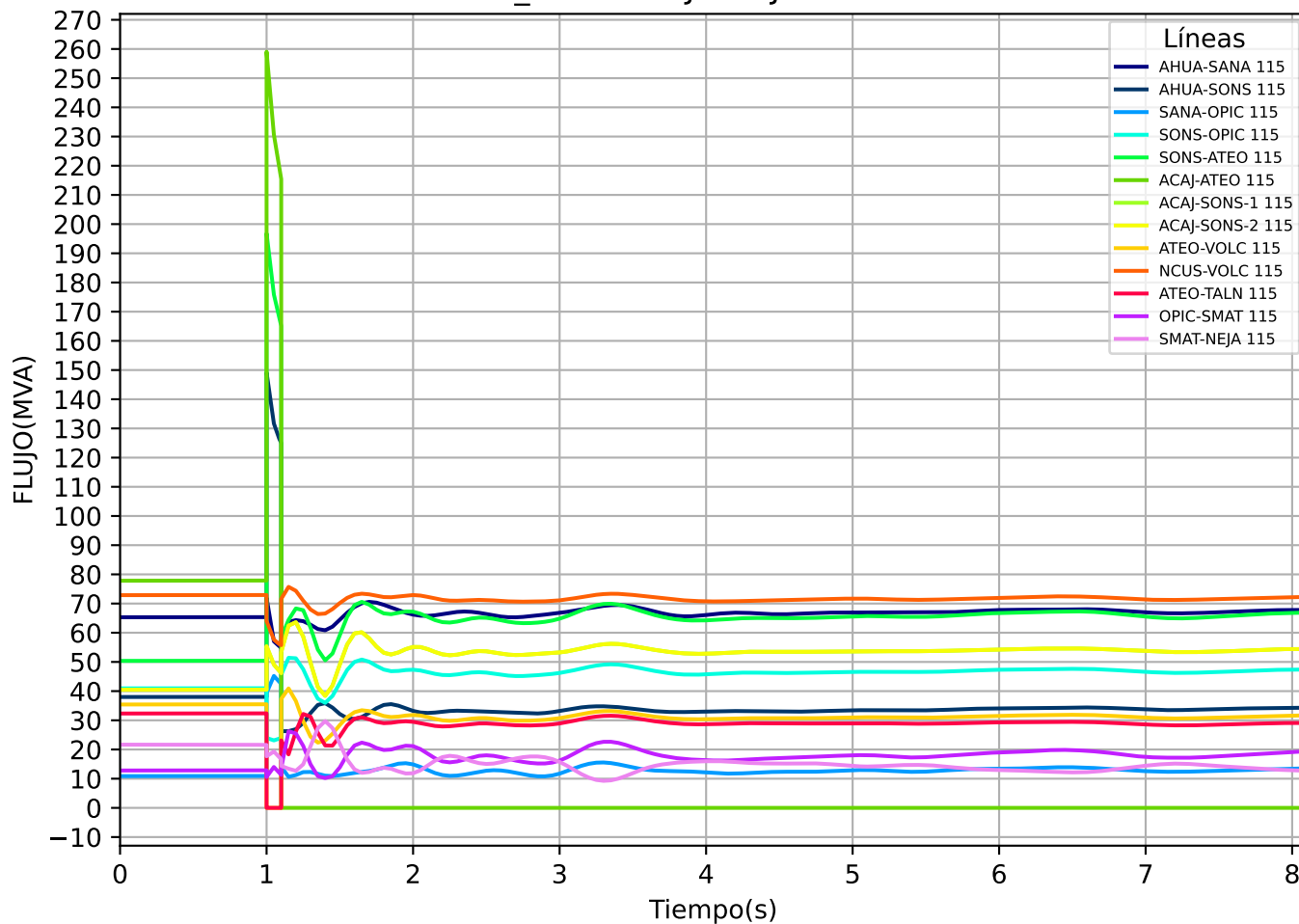
F24_ATEO-ACAJ: VOLTAJE 2



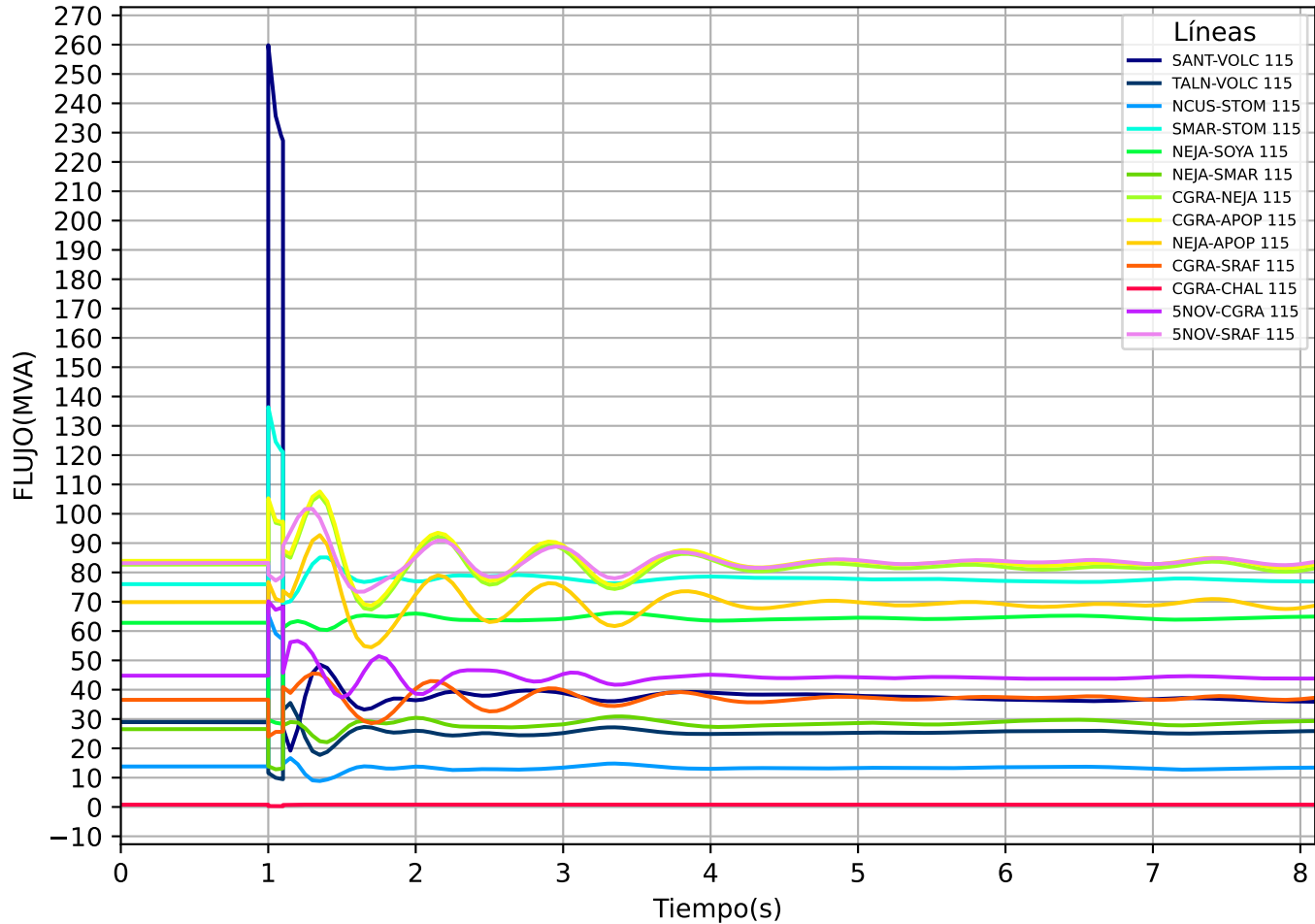
F24_ATEO-ACAJ: VOLTAJE 3



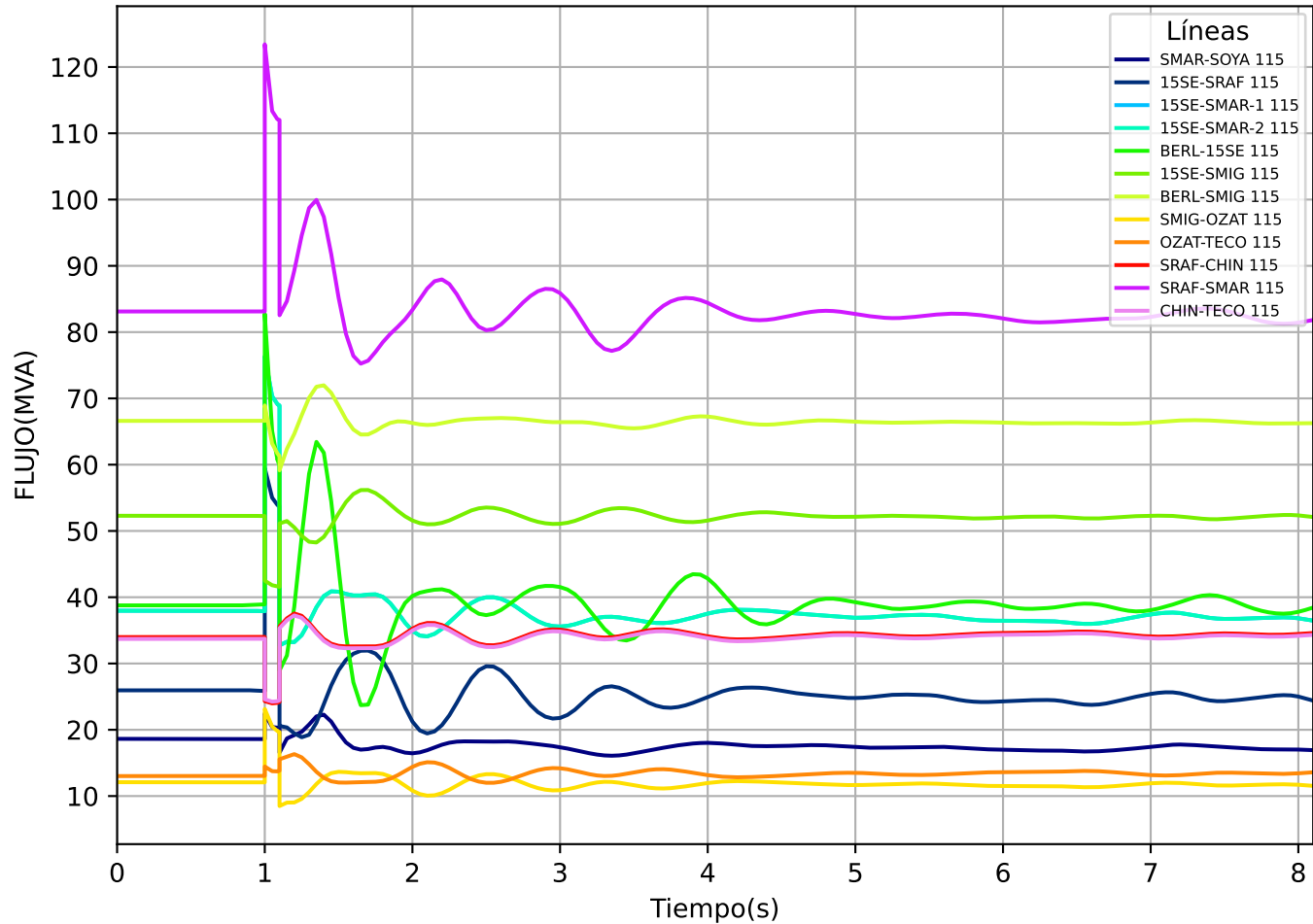
F24_ATEO-ACAJ: FLUJO L-115kV 1



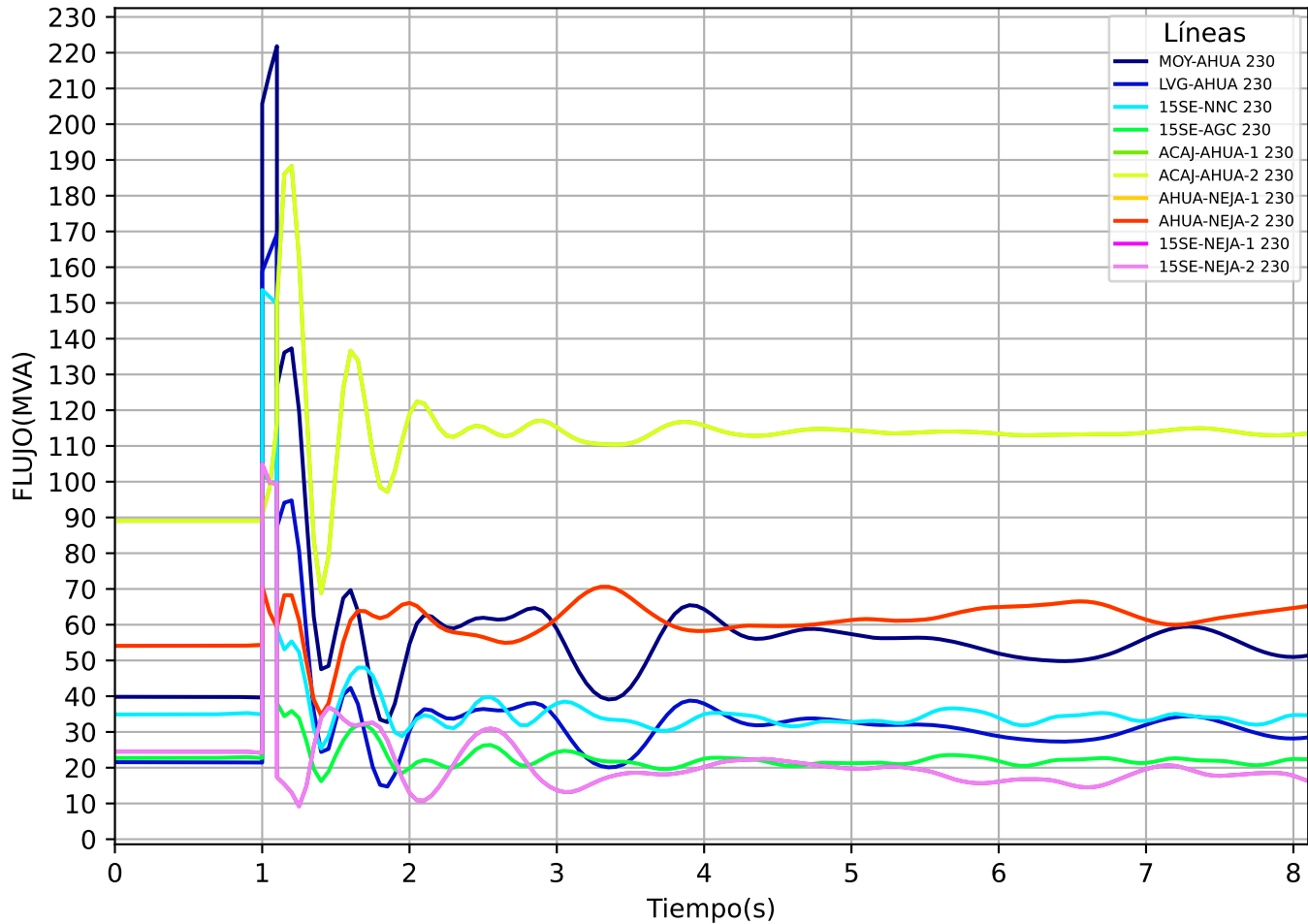
F24_ATEO-ACAJ: FLUJO L-115kV 2



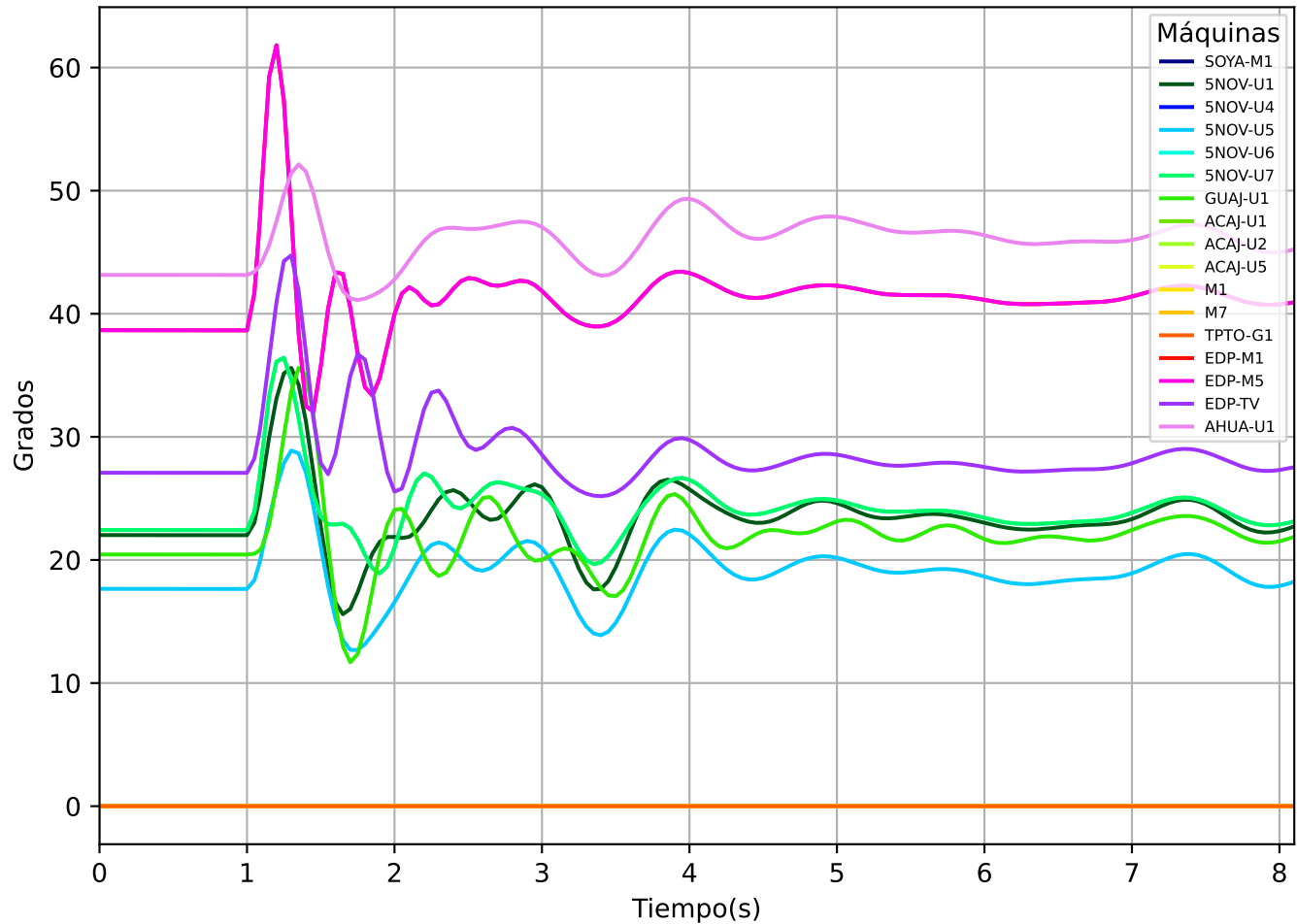
F24_ATEO-ACAJ: FLUJO L-115kV 3



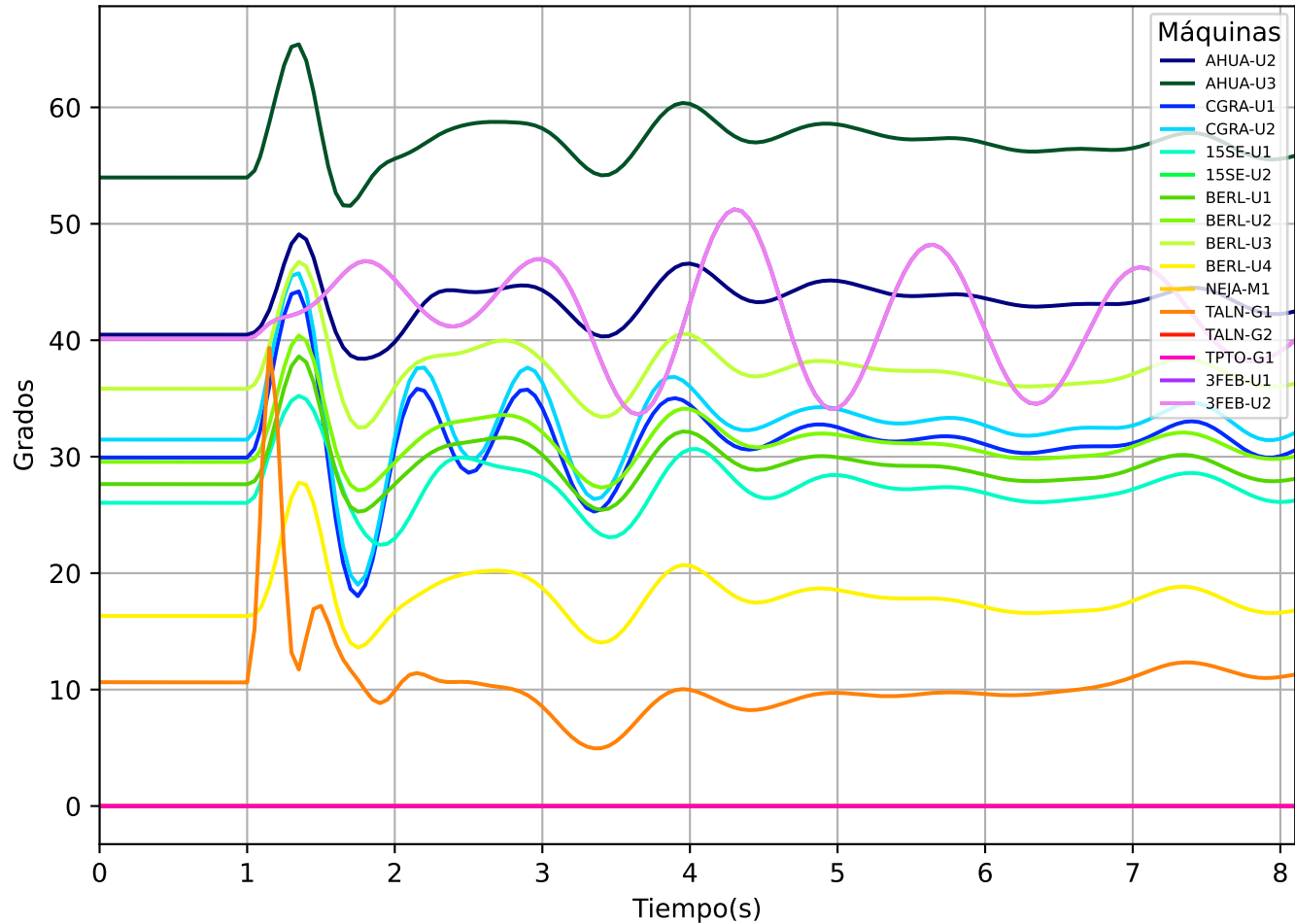
F24_ATEO-ACAJ: FLUJO L-230kV 4



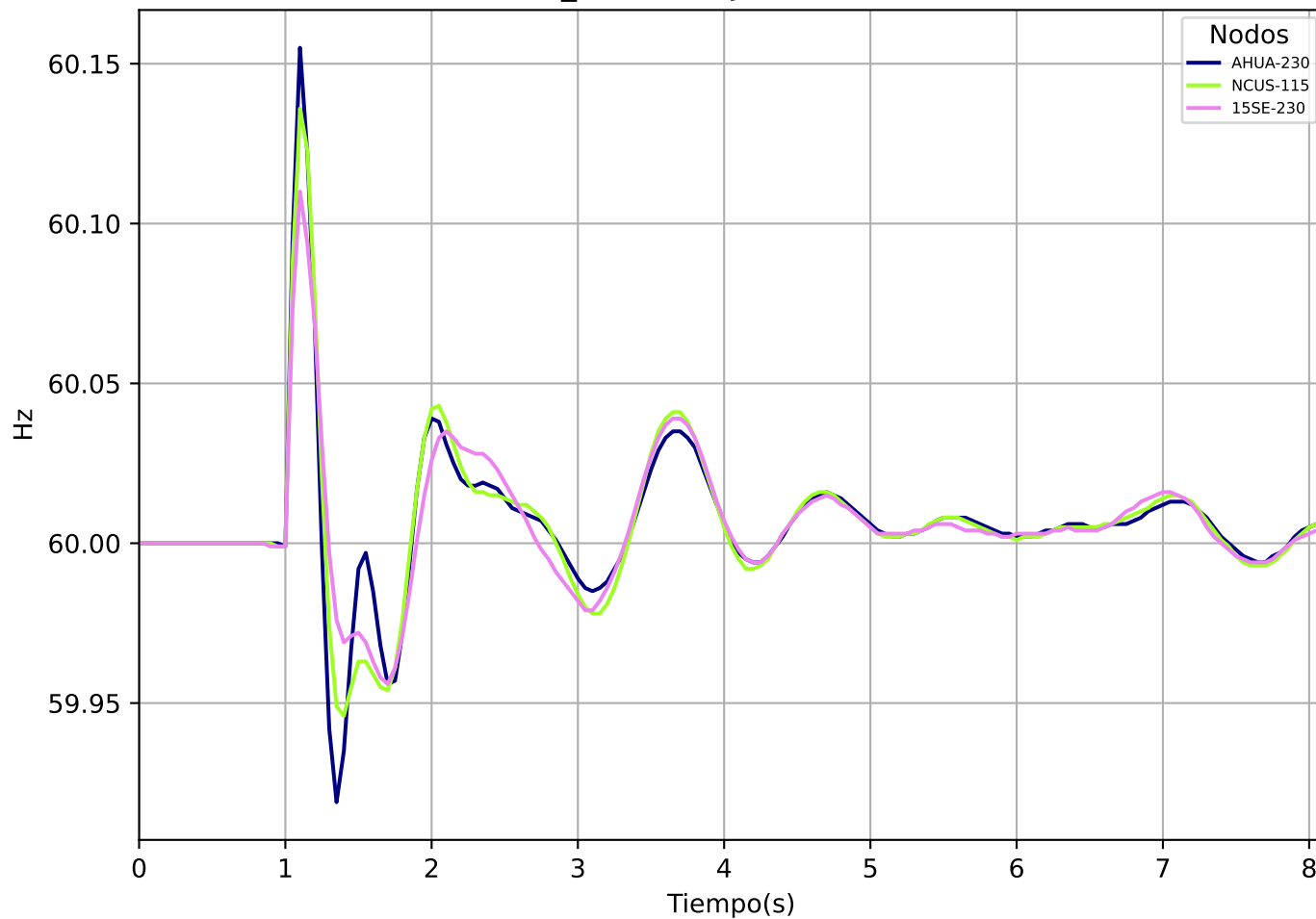
F24_ATEO-ACAJ: ANGULO ROTOR 1



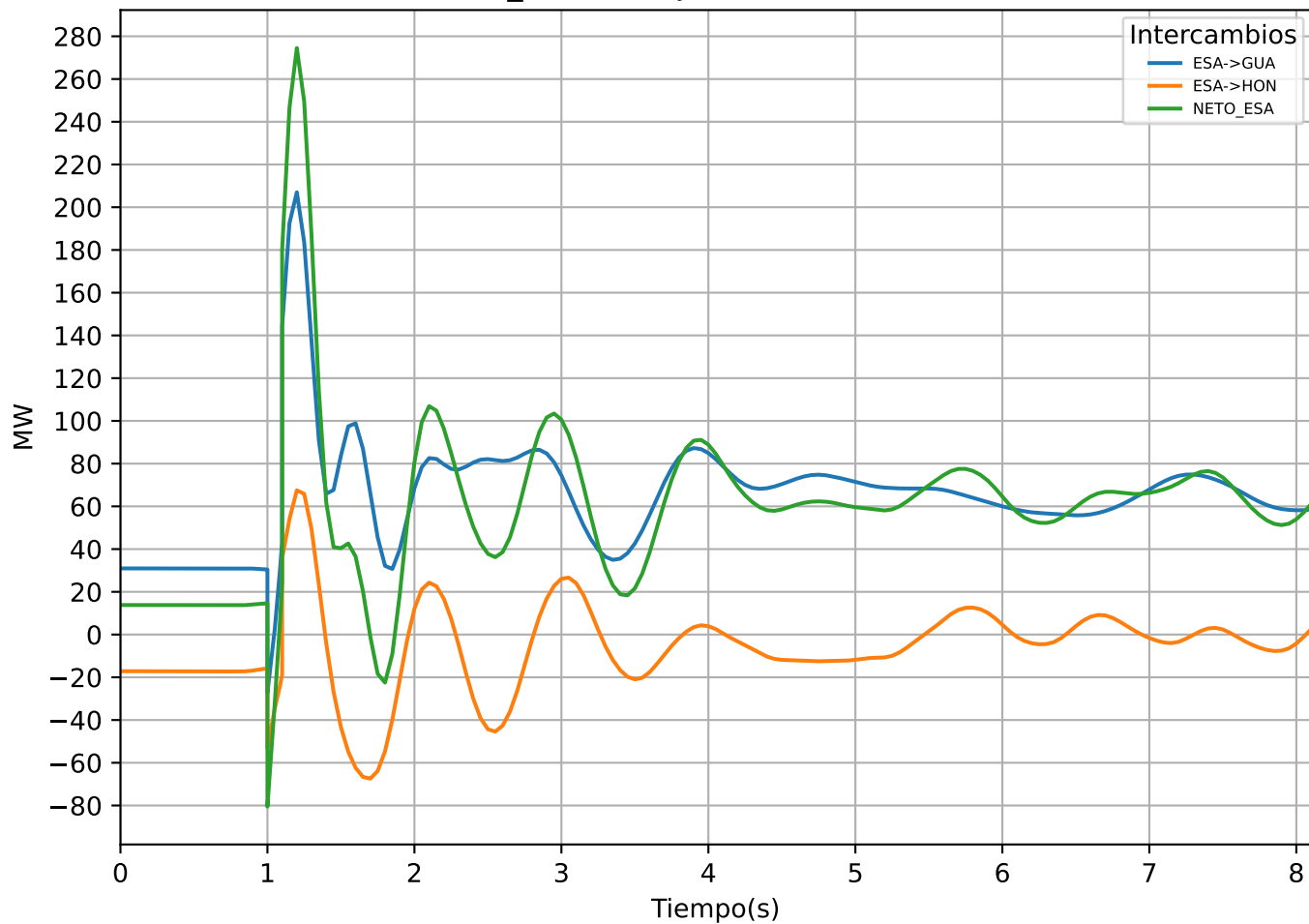
F24_ATEO-ACAJ: ANGULO ROTOR 2



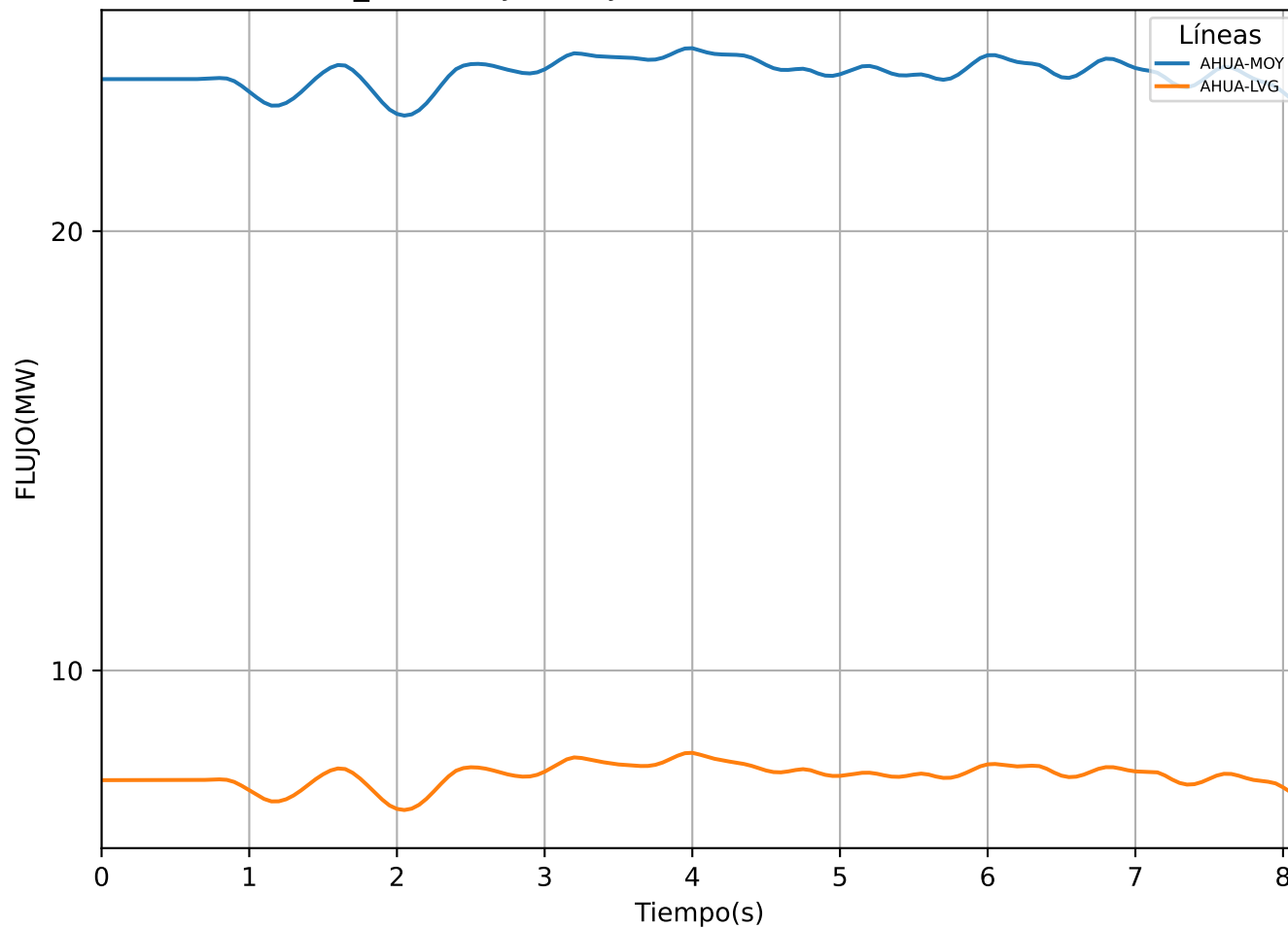
F24_ATEO-ACAJ: FRECUENCIA



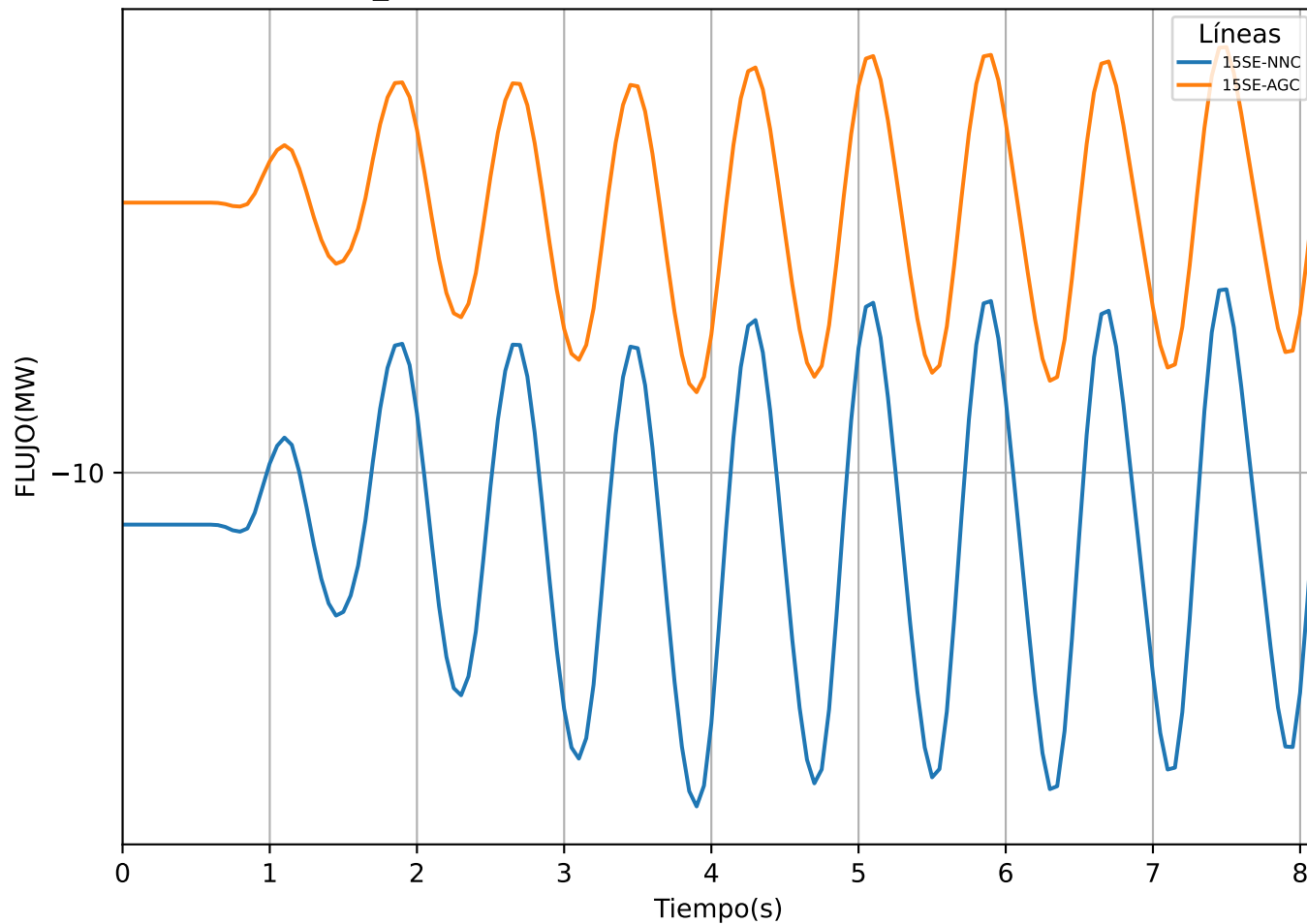
F24_ATEO-ACAJ: Intercambios ESA



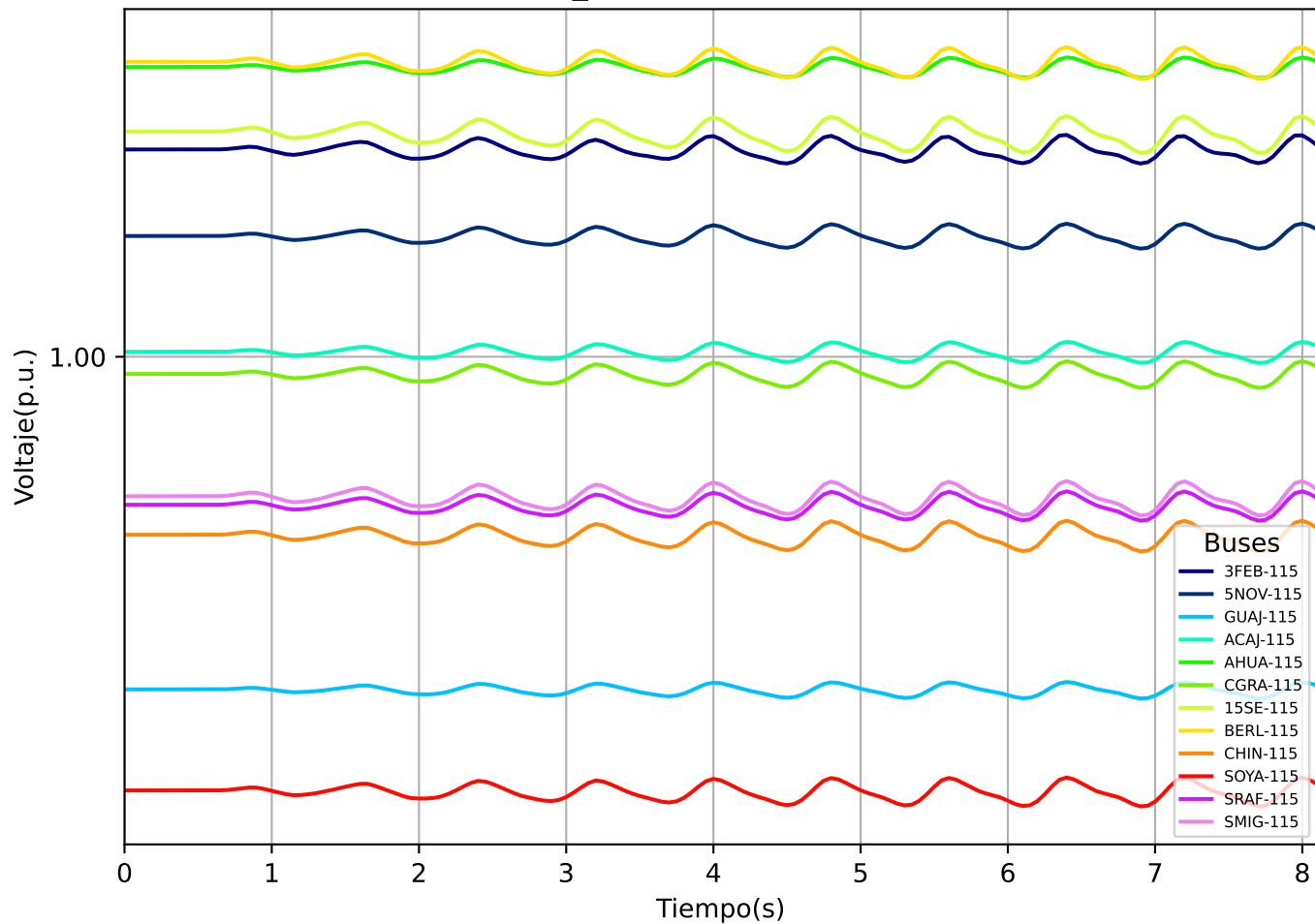
F25_SANT-NEJA: FLUJO INTERCONEXIONES ESA-GUA



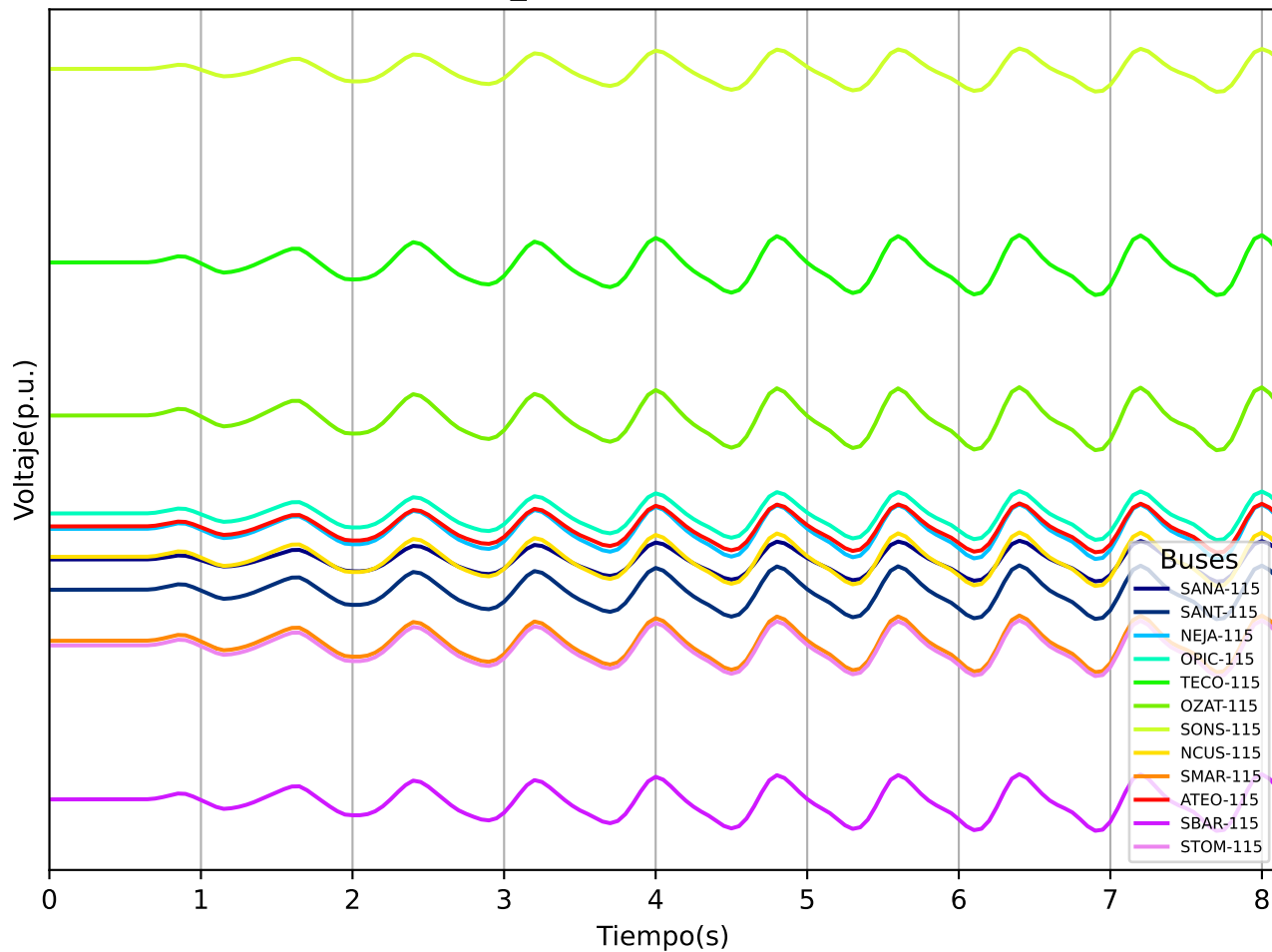
F25_SANT-NEJA: FLUJO INTERCONEXIONES ESA-HON



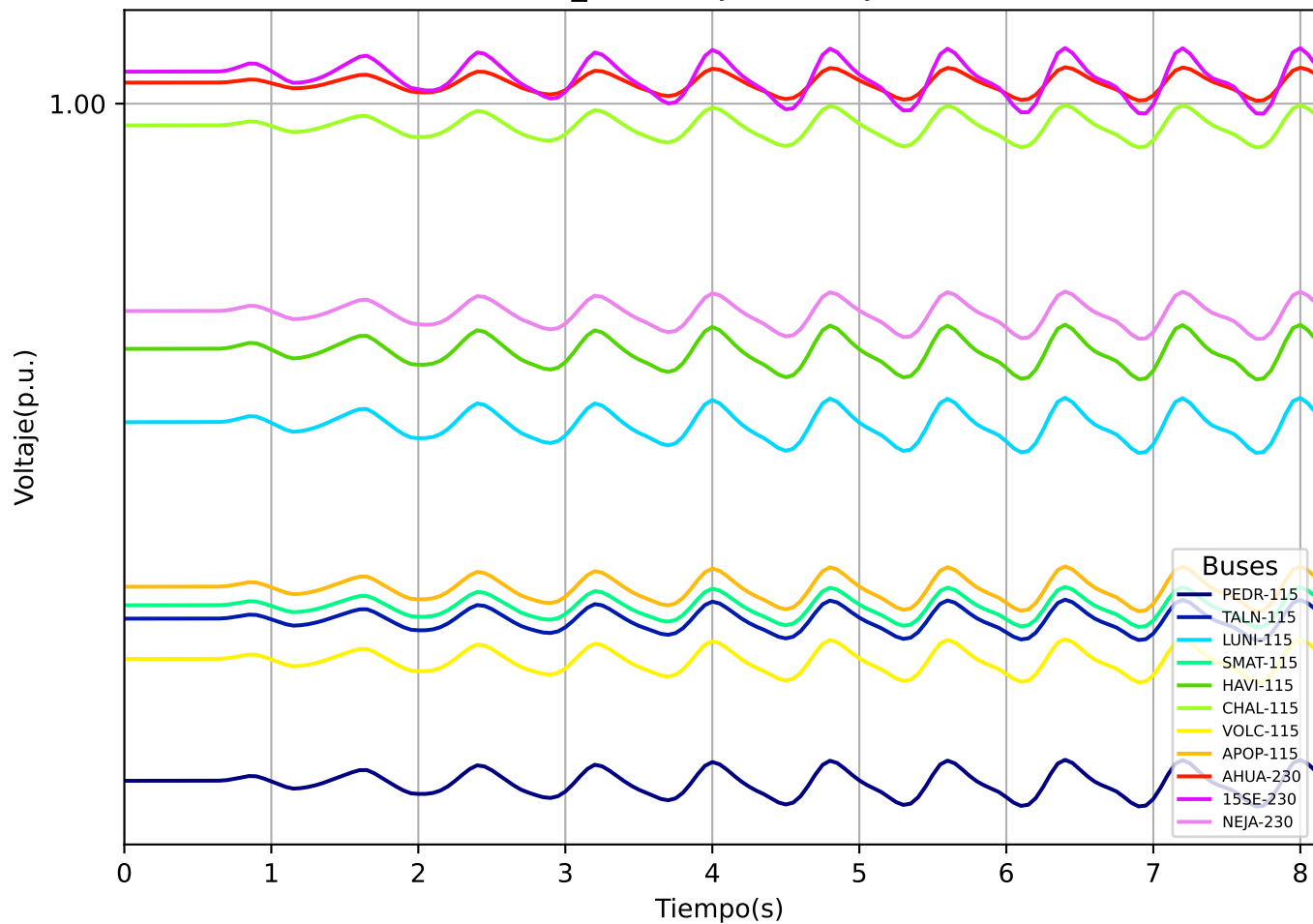
F25_SANT-NEJA: VOLTAJE 1



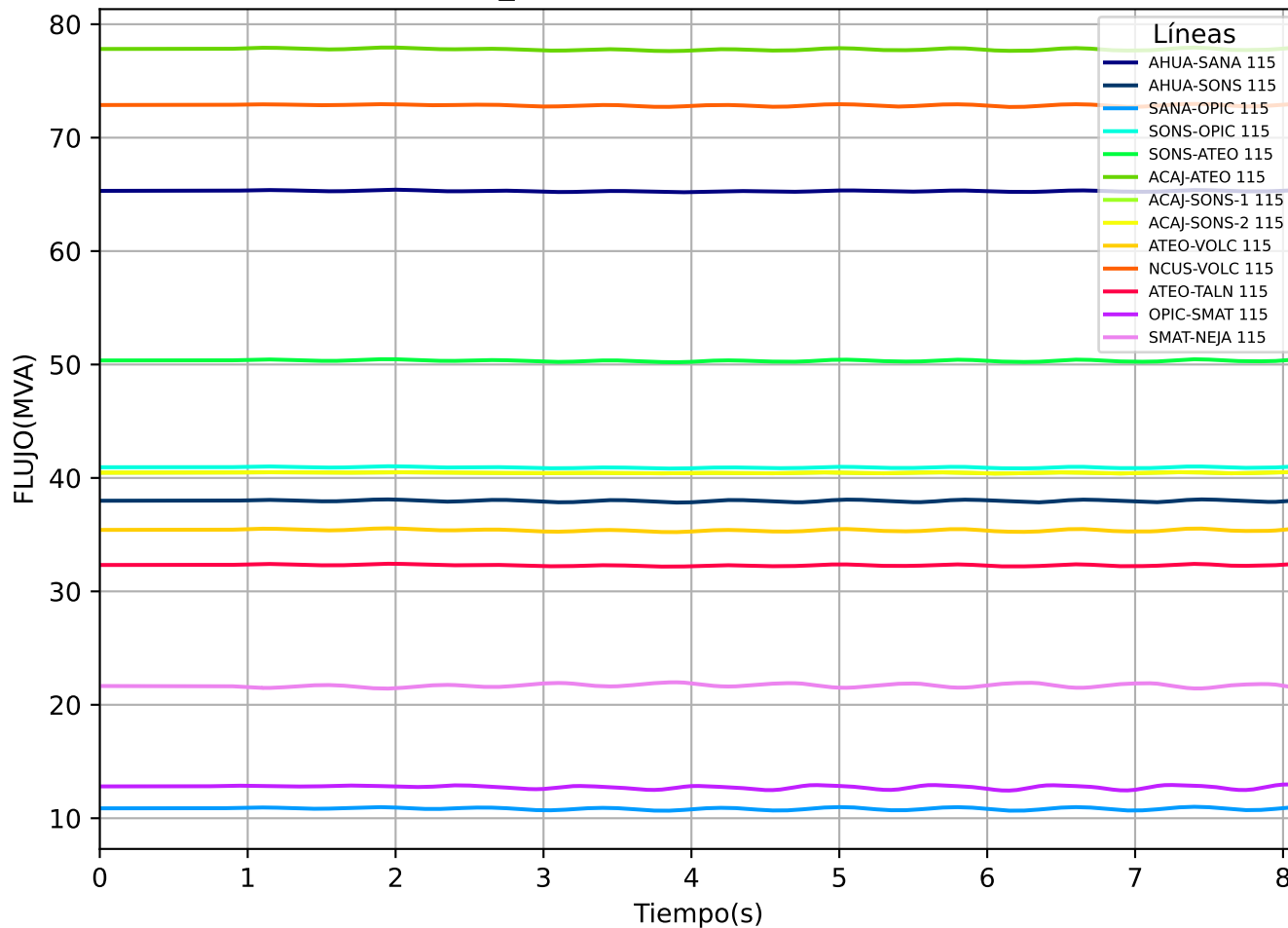
F25_SANT-NEJA: VOLTAJE 2



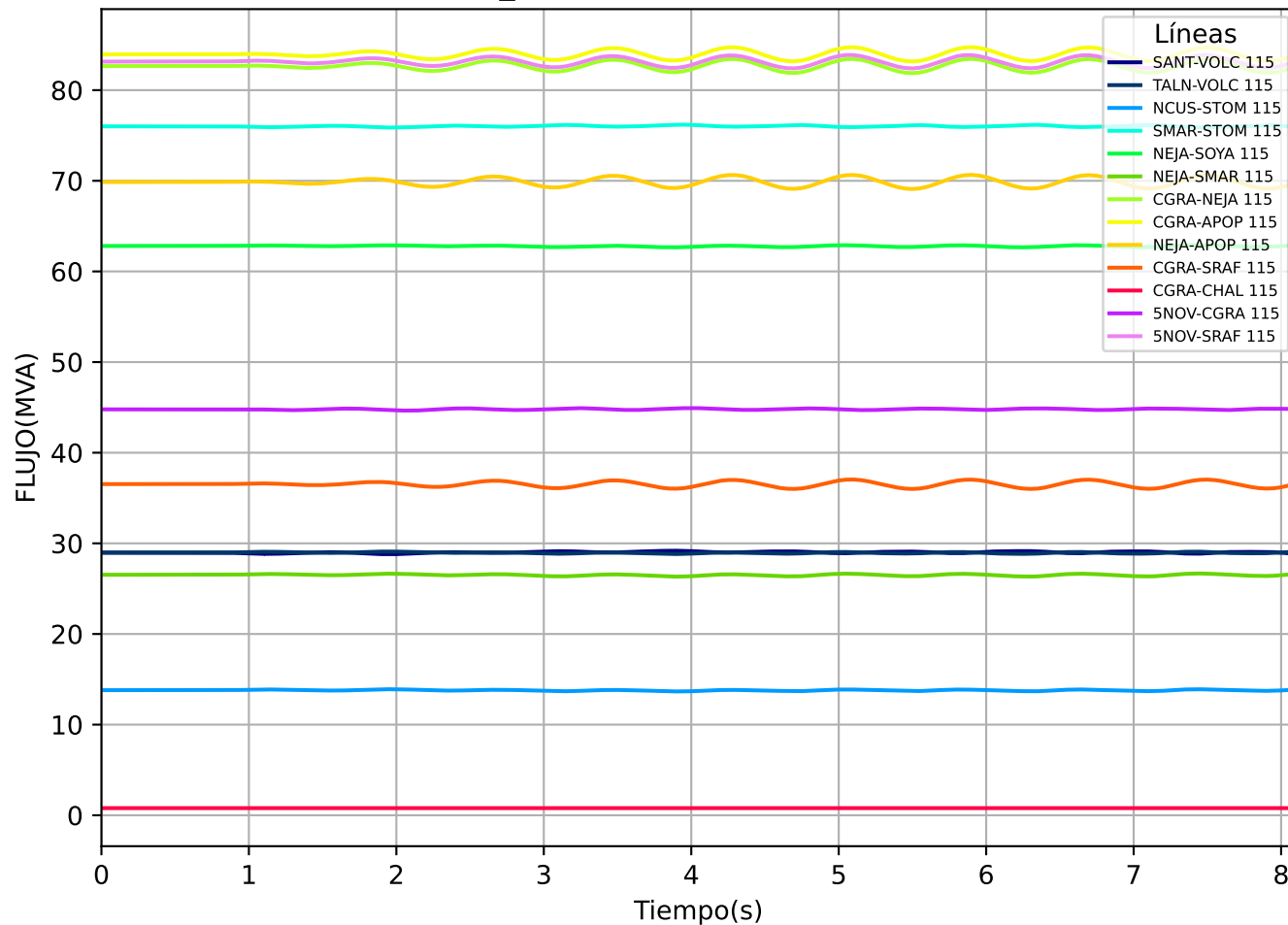
F25_SANT-NEJA: VOLTAJE 3



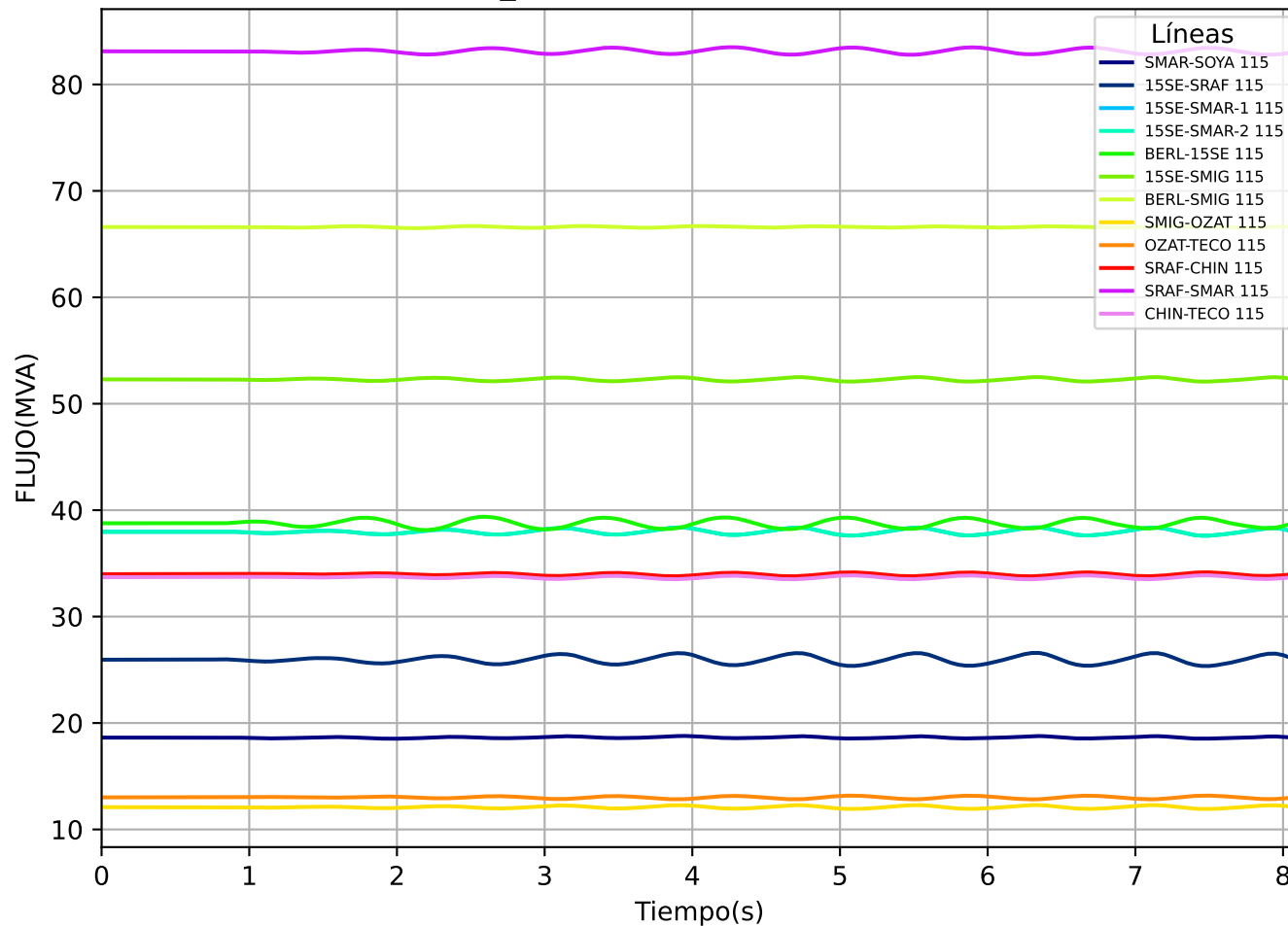
F25_SANT-NEJA: FLUJO L-115kV 1



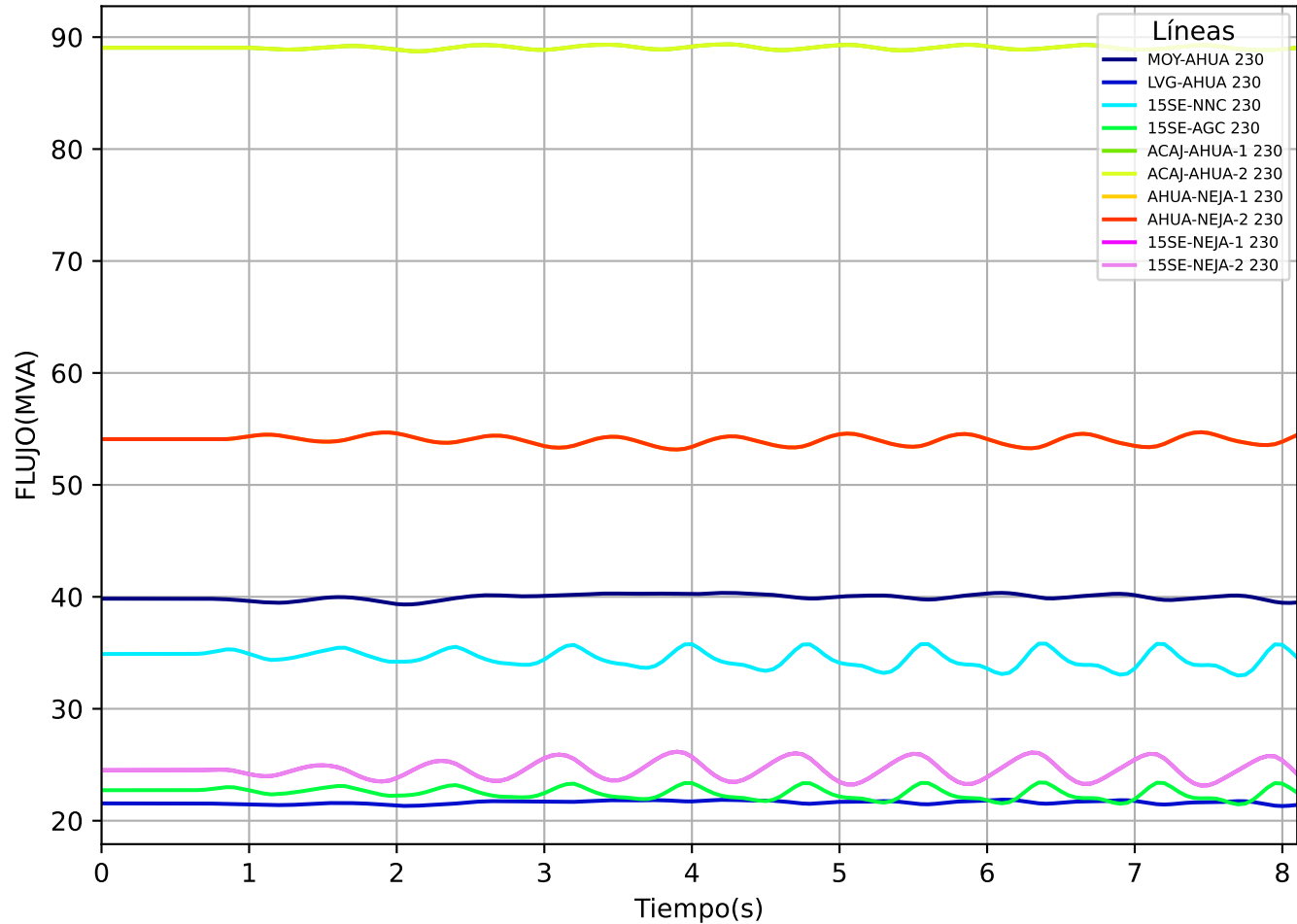
F25_SANT-NEJA: FLUJO L-115kV 2



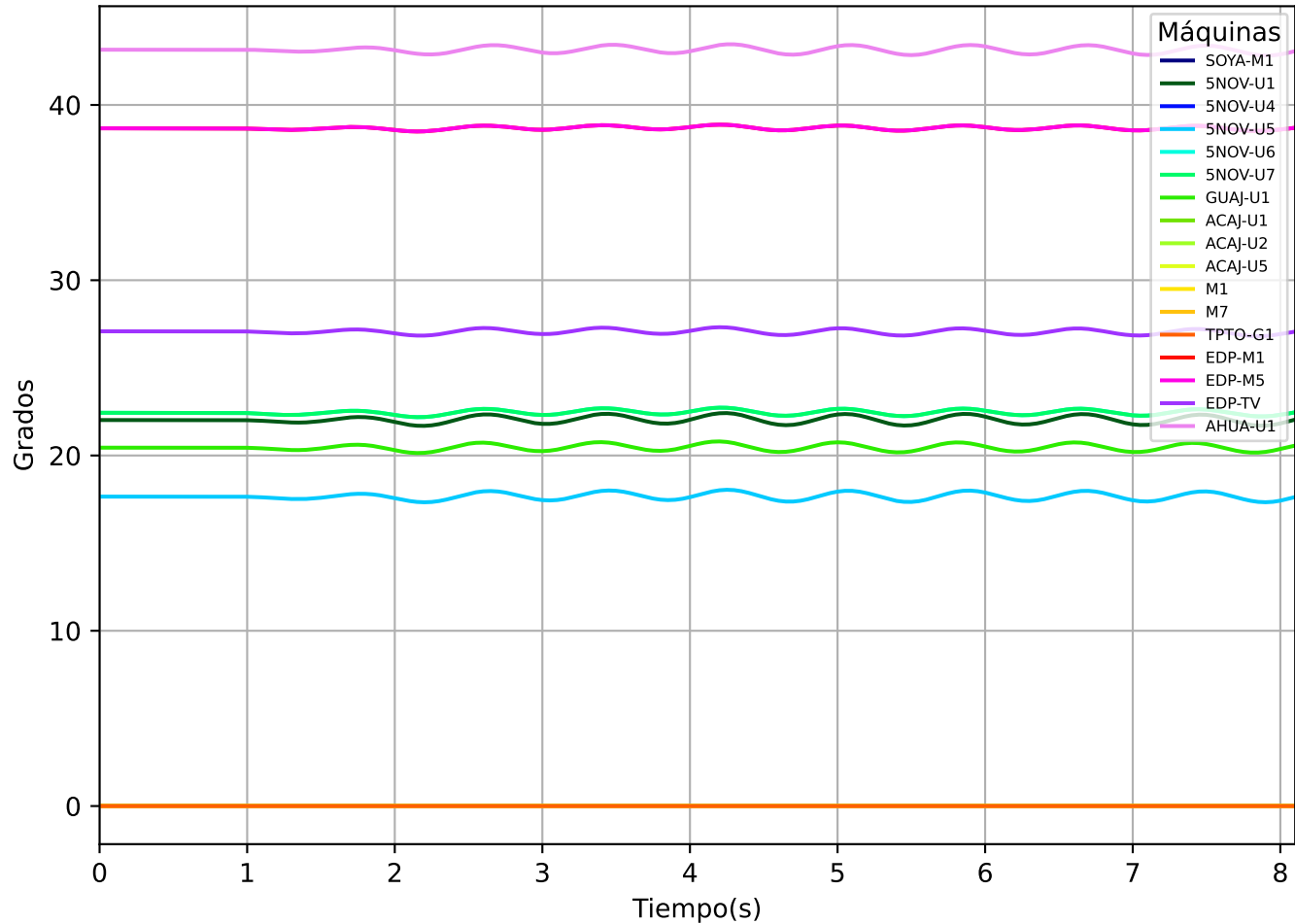
F25_SANT-NEJA: FLUJO L-115kV 3



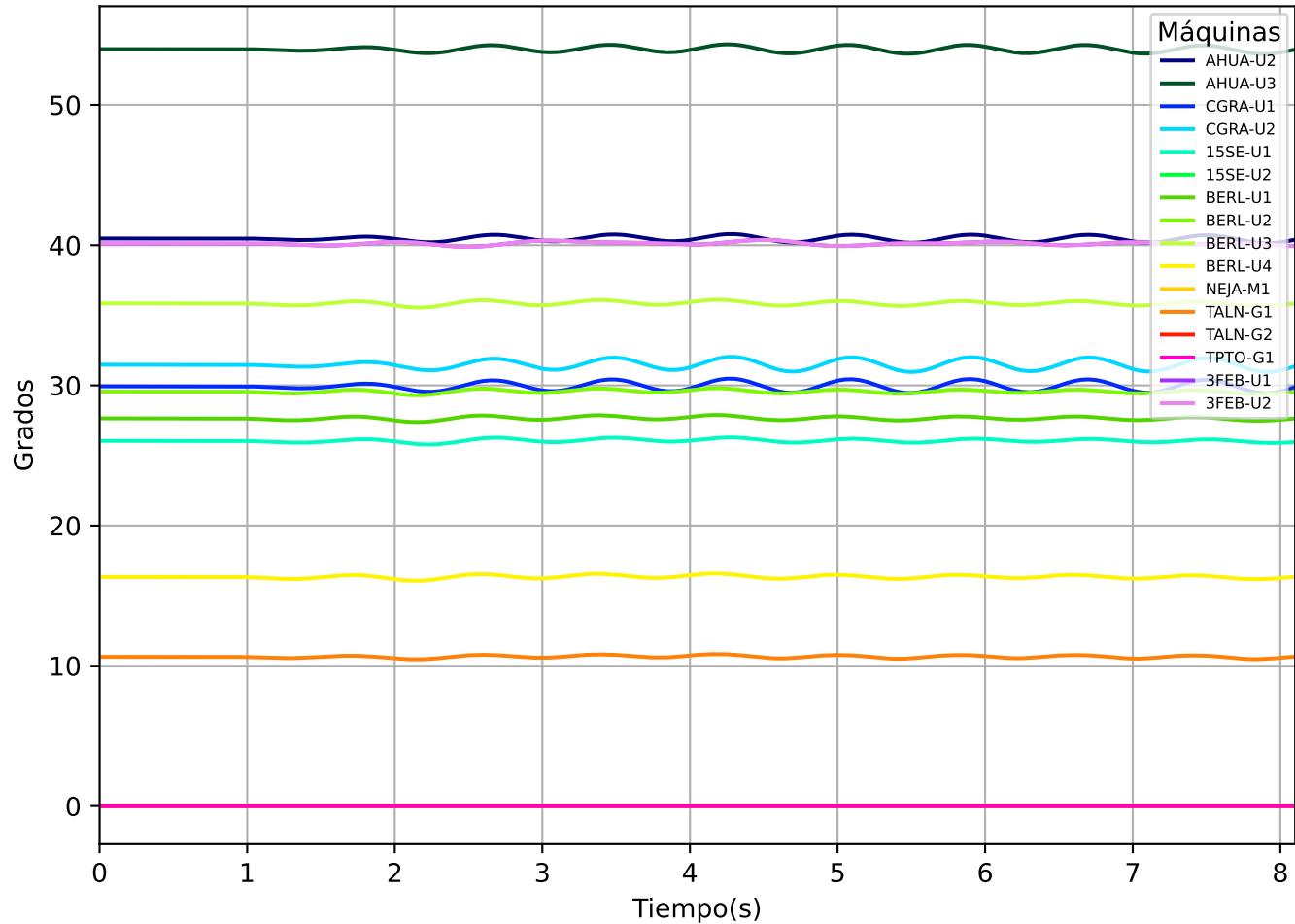
F25_SANT-NEJA: FLUJO L-230kV 4



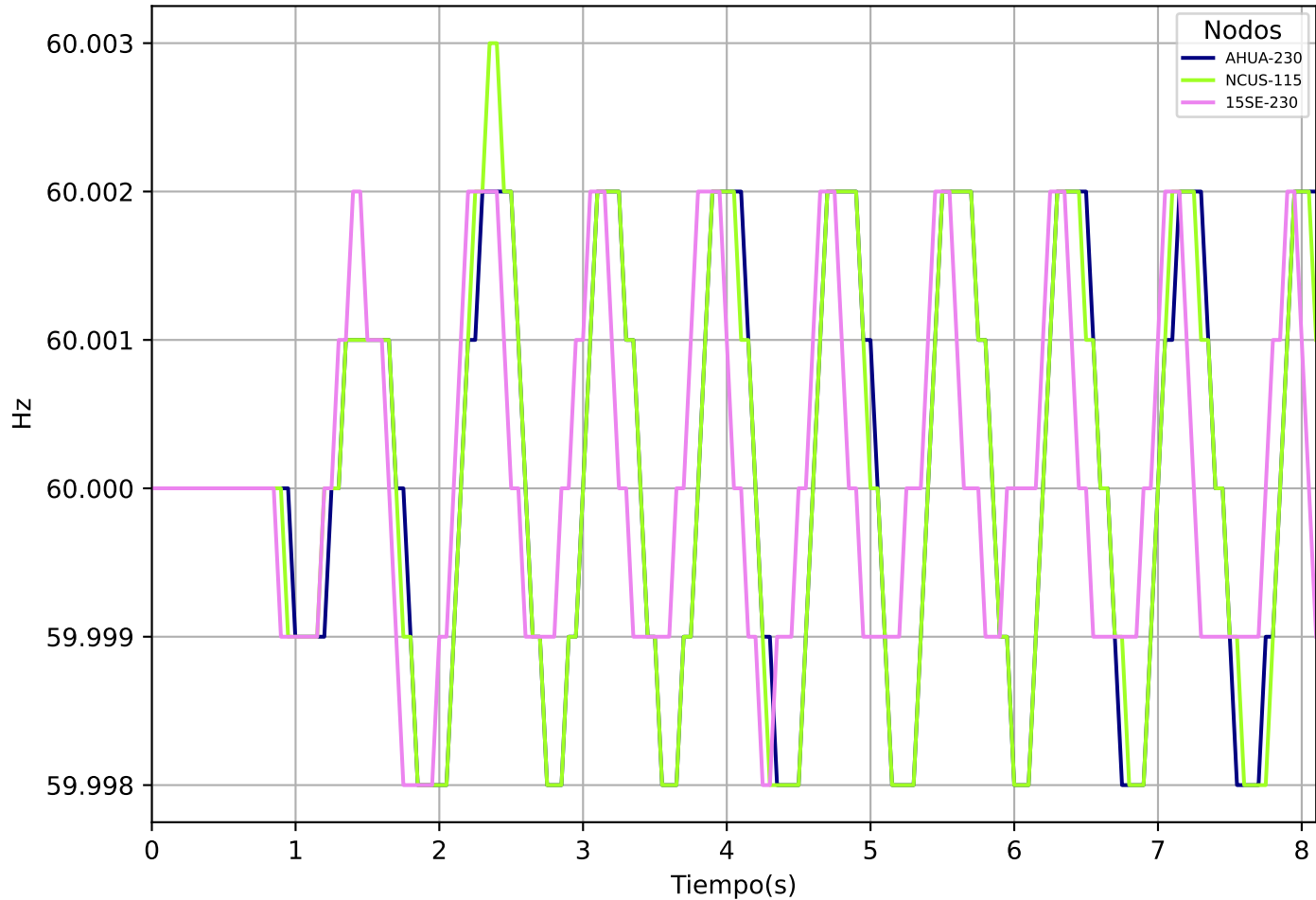
F25_SANT-NEJA: ANGULO ROTOR 1



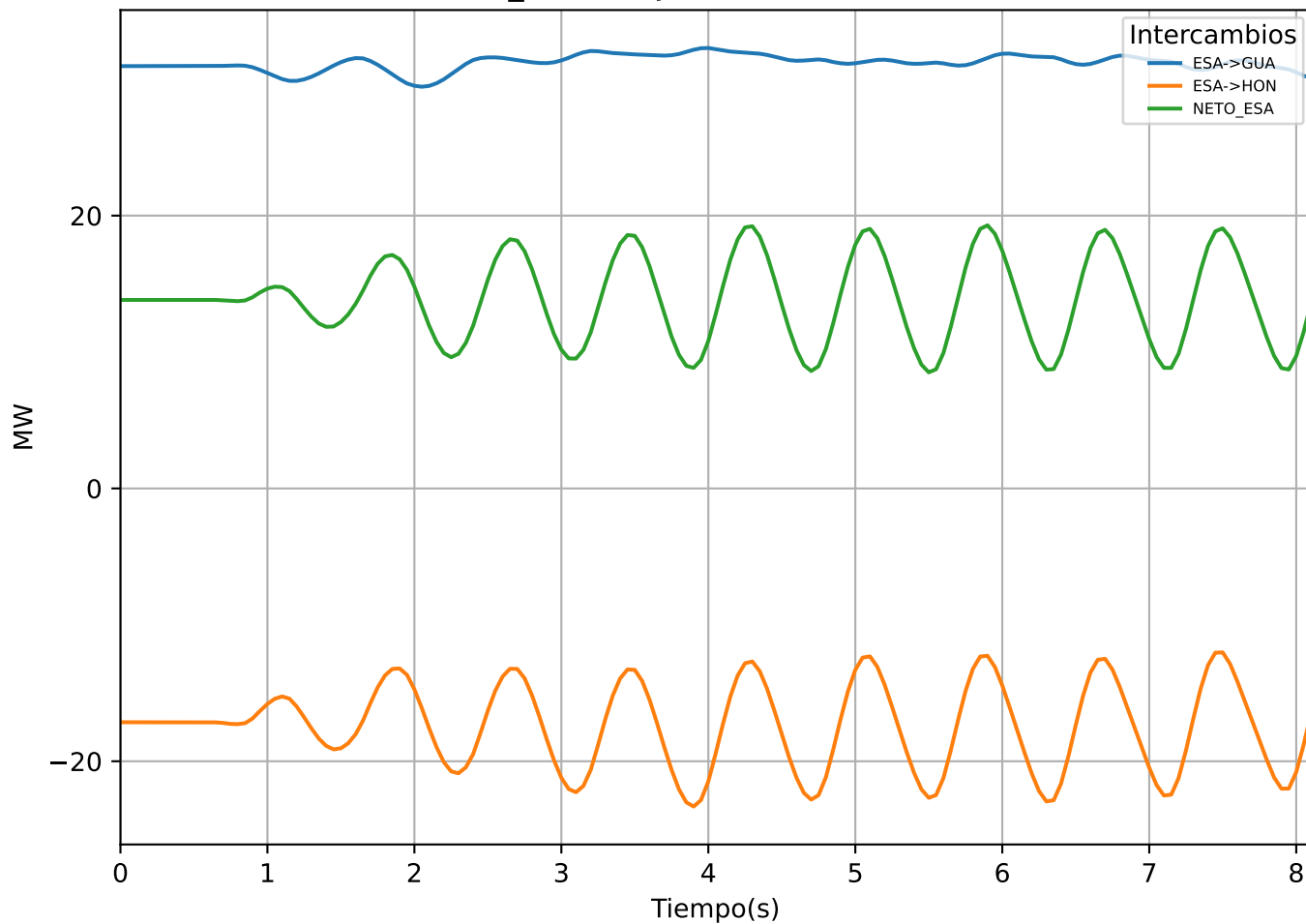
F25_SANT-NEJA: ANGULO ROTOR 2



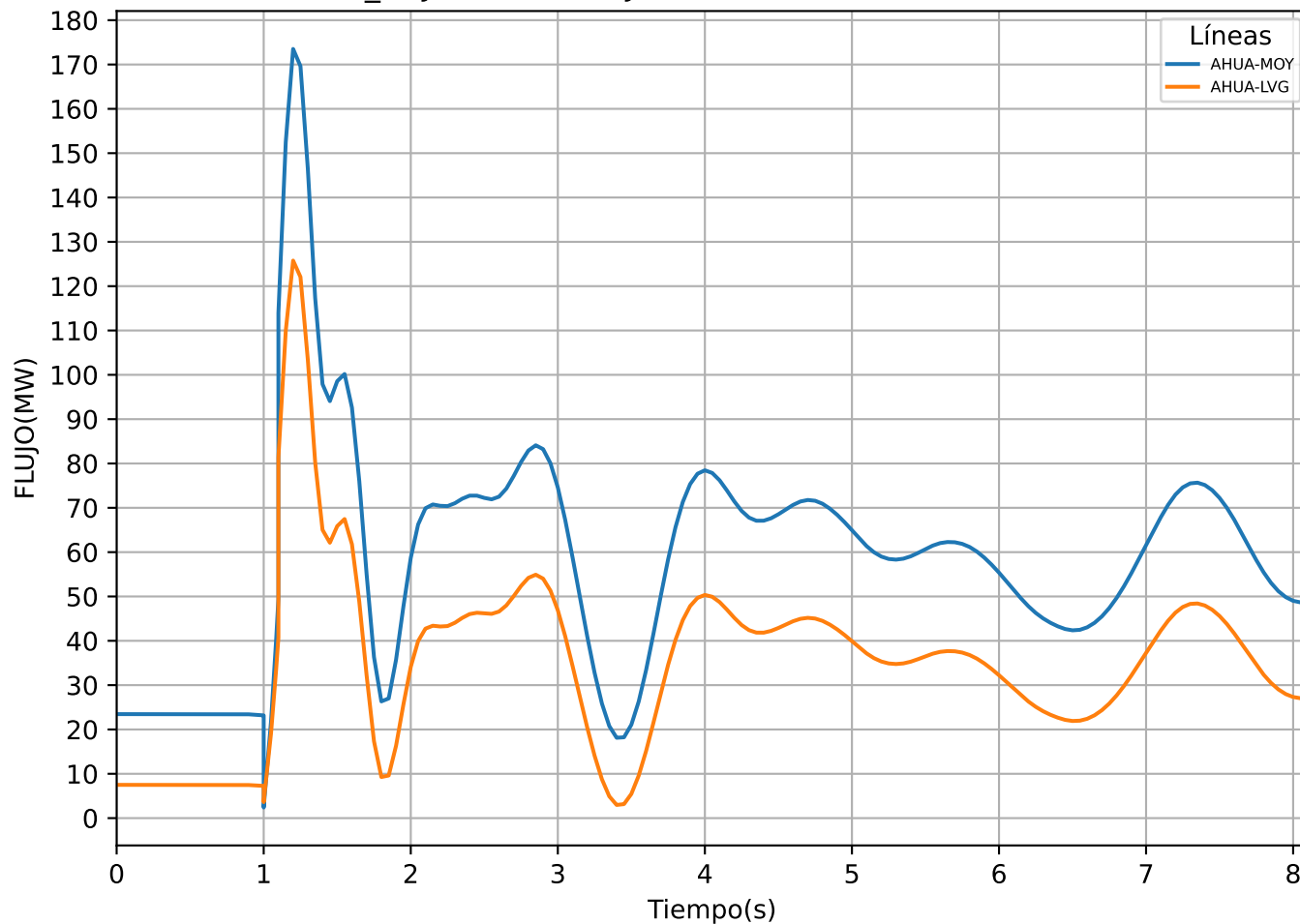
F25_SANT-NEJA: FRECUENCIA



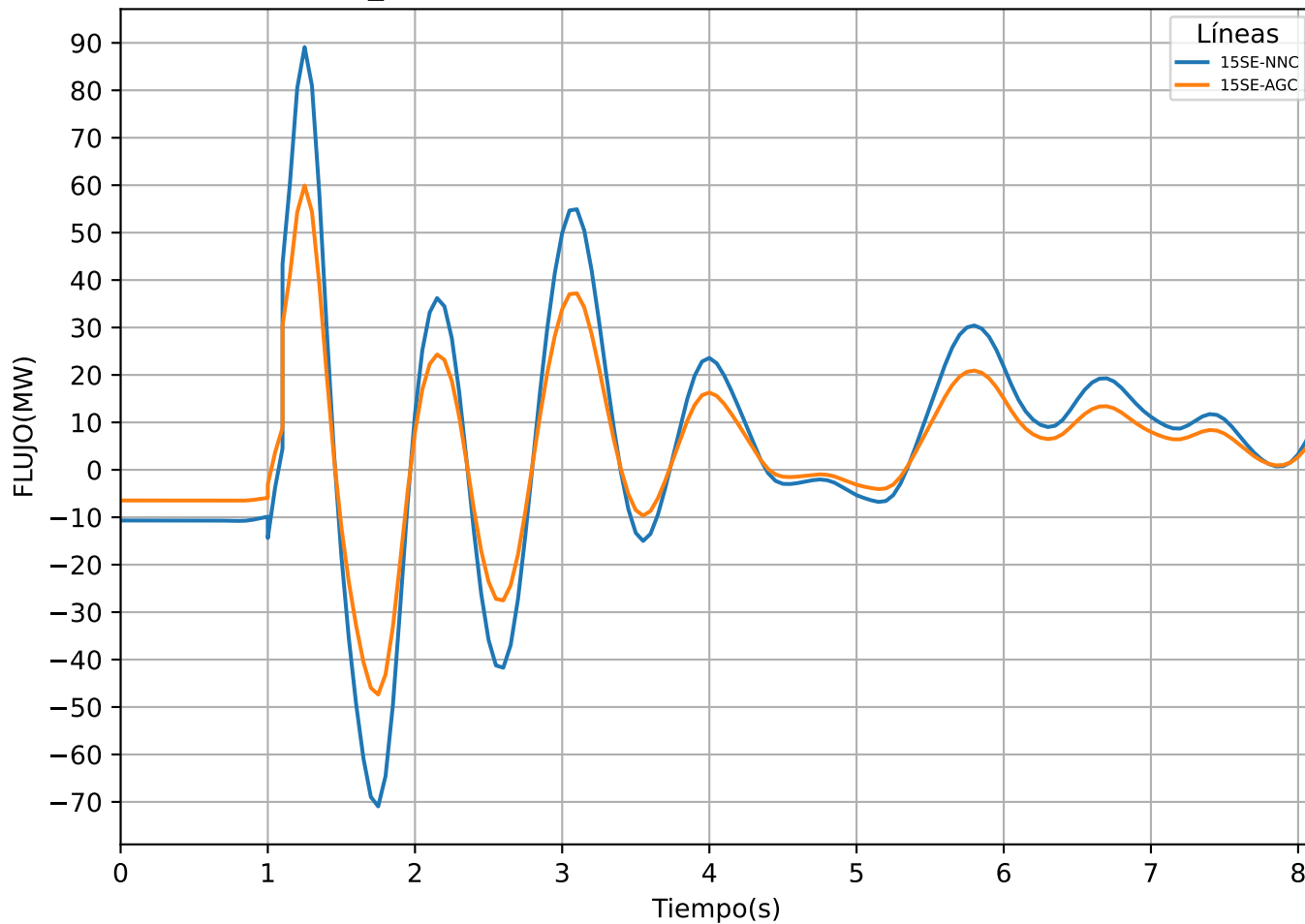
F25_SANT-NEJA: Intercambios ESA



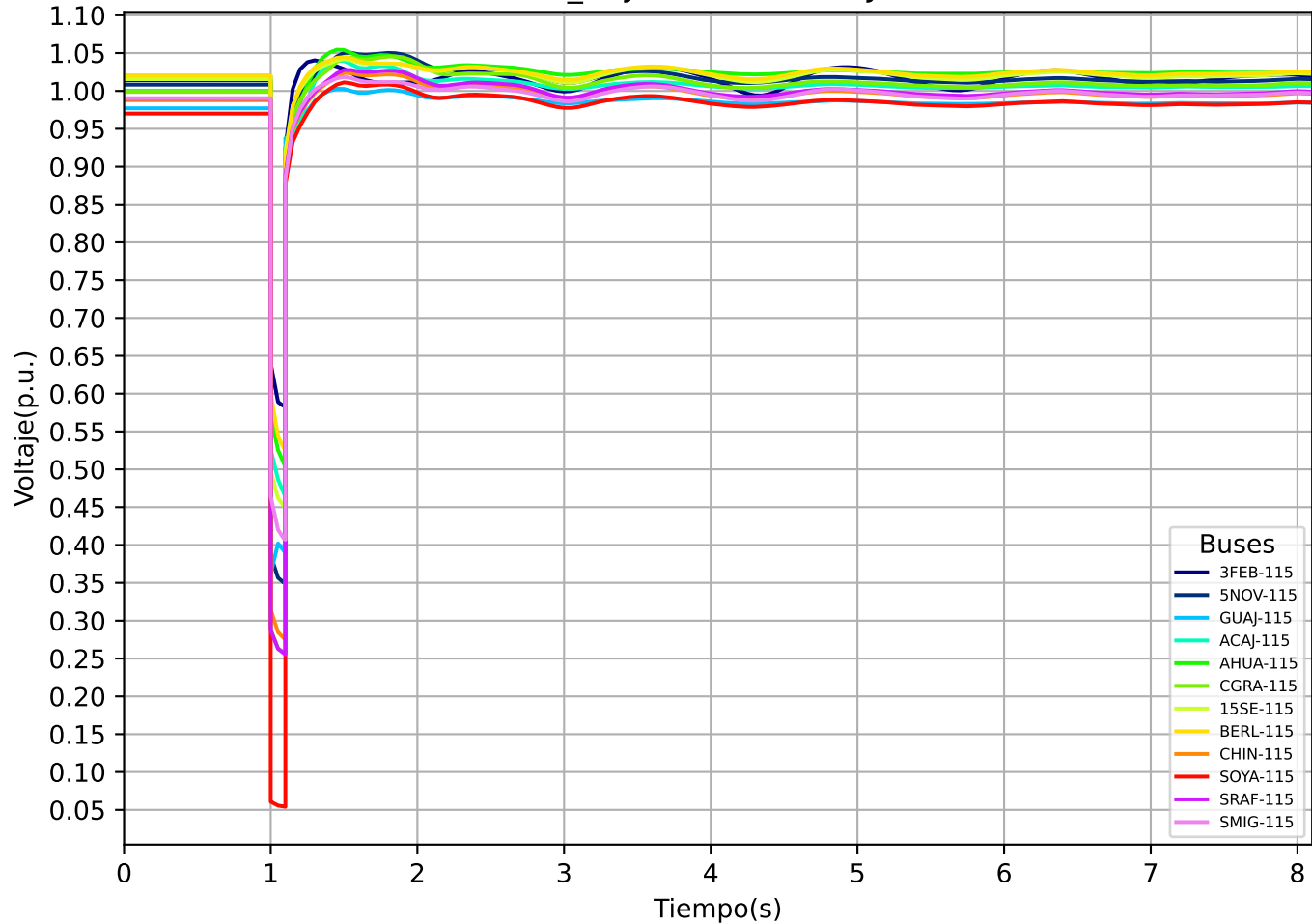
F26_NEJA-CGRA: FLUJO INTERCONEXIONES ESA-GUA



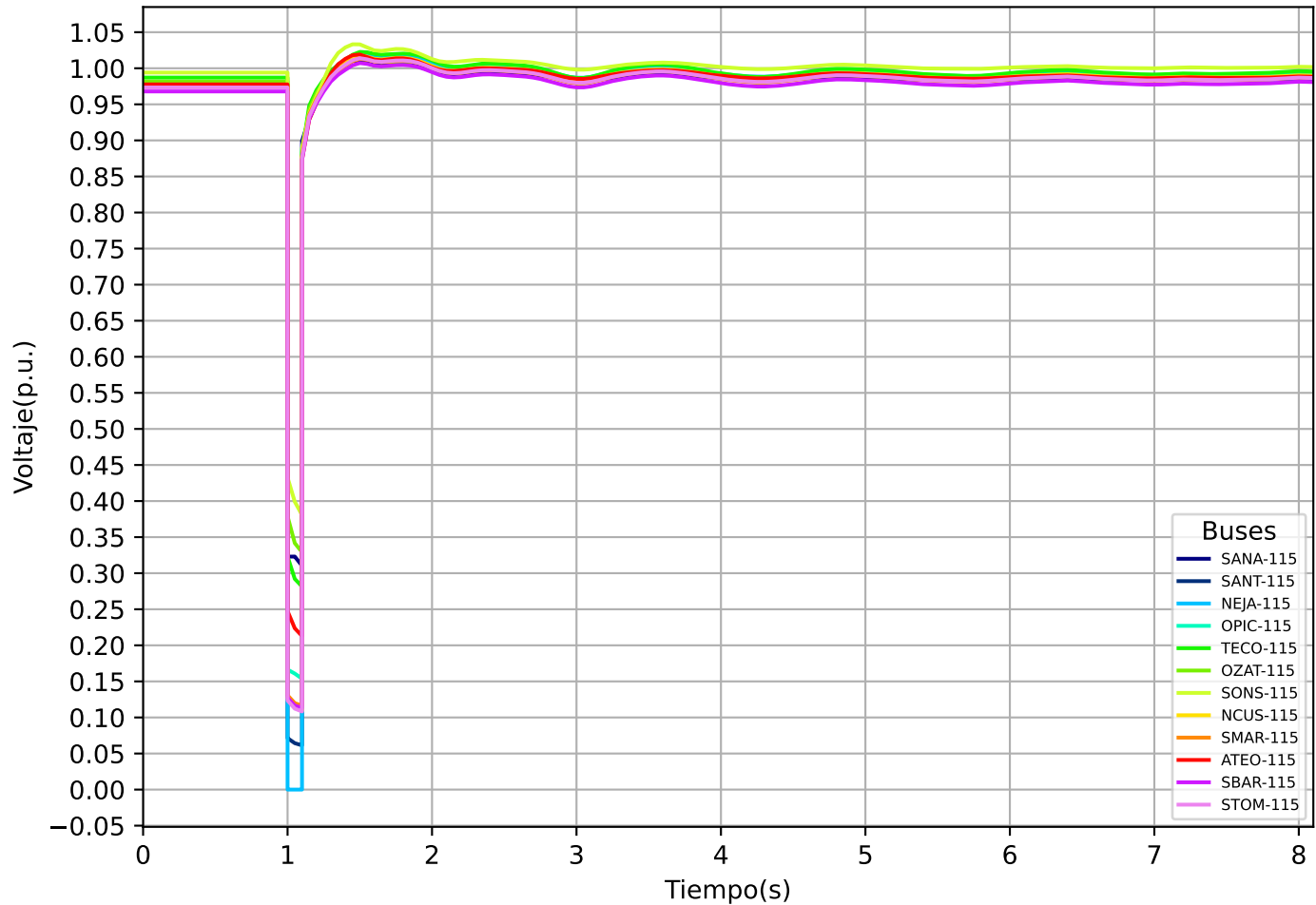
F26_NEJA-CGRA: FLUJO INTERCONEXIONES ESA-HON



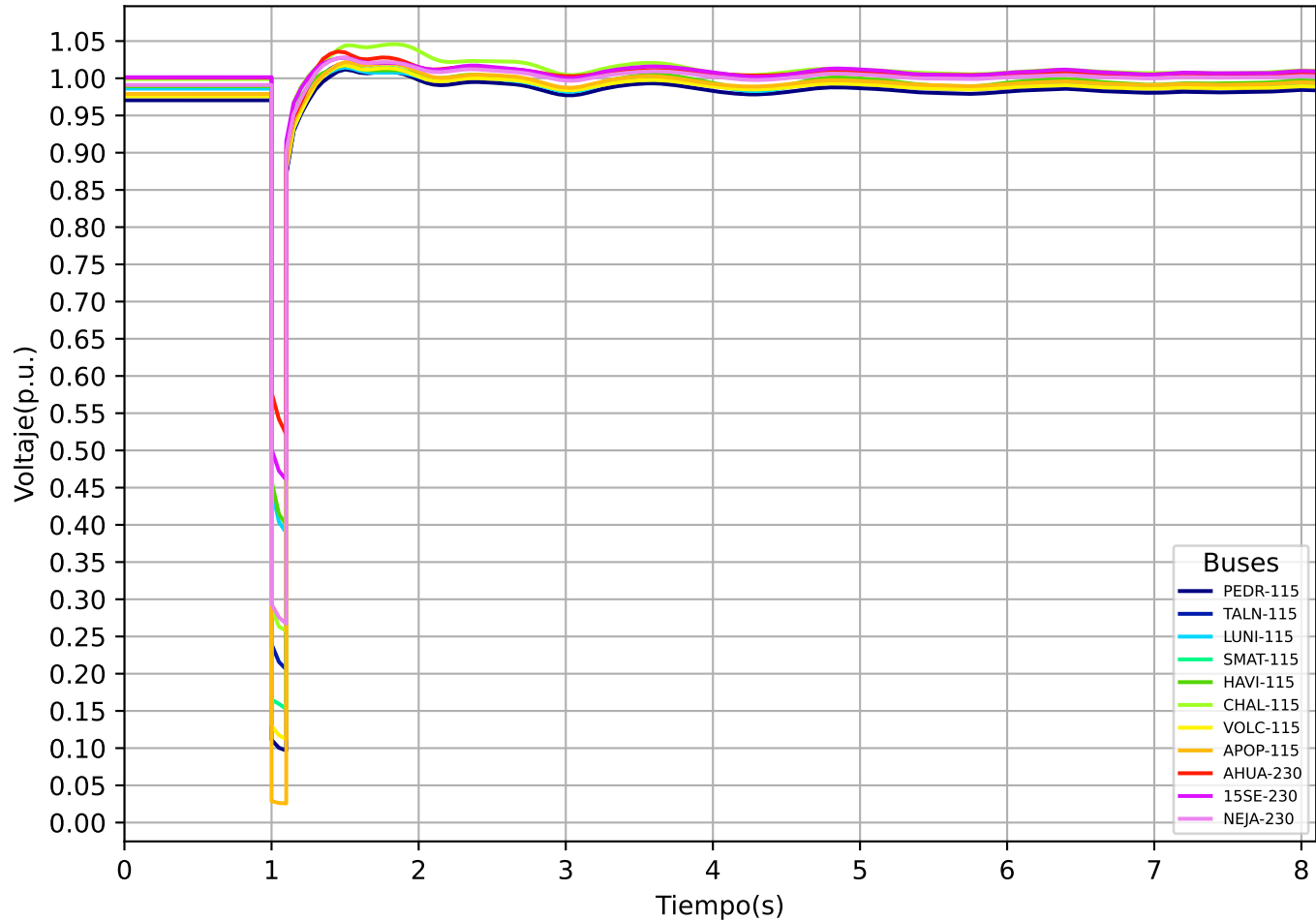
F26_NEJA-CGRA: VOLTAJE 1



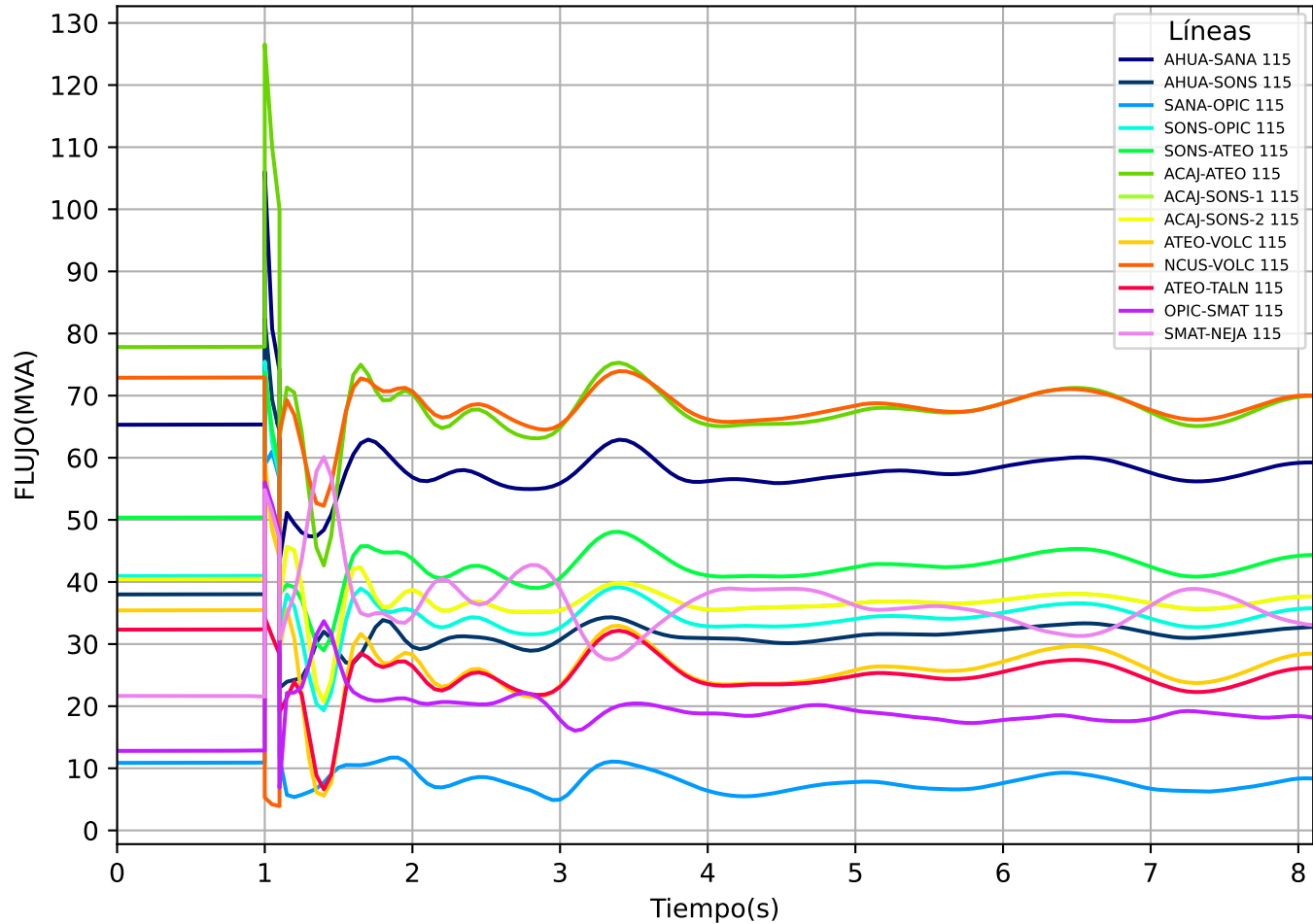
F26_NEJA-CGRA: VOLTAJE 2



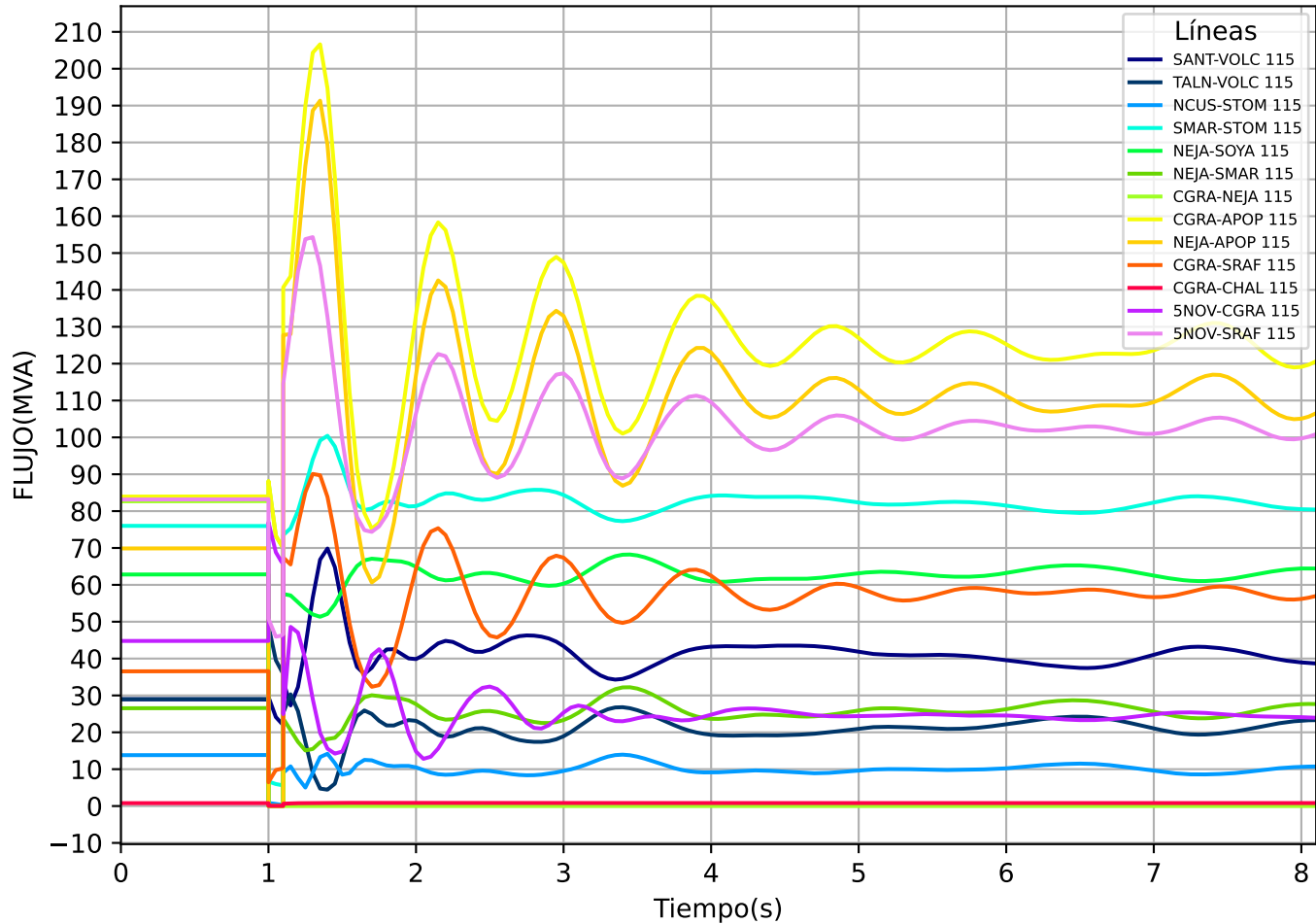
F26_NEJA-CGRA: VOLTAJE 3



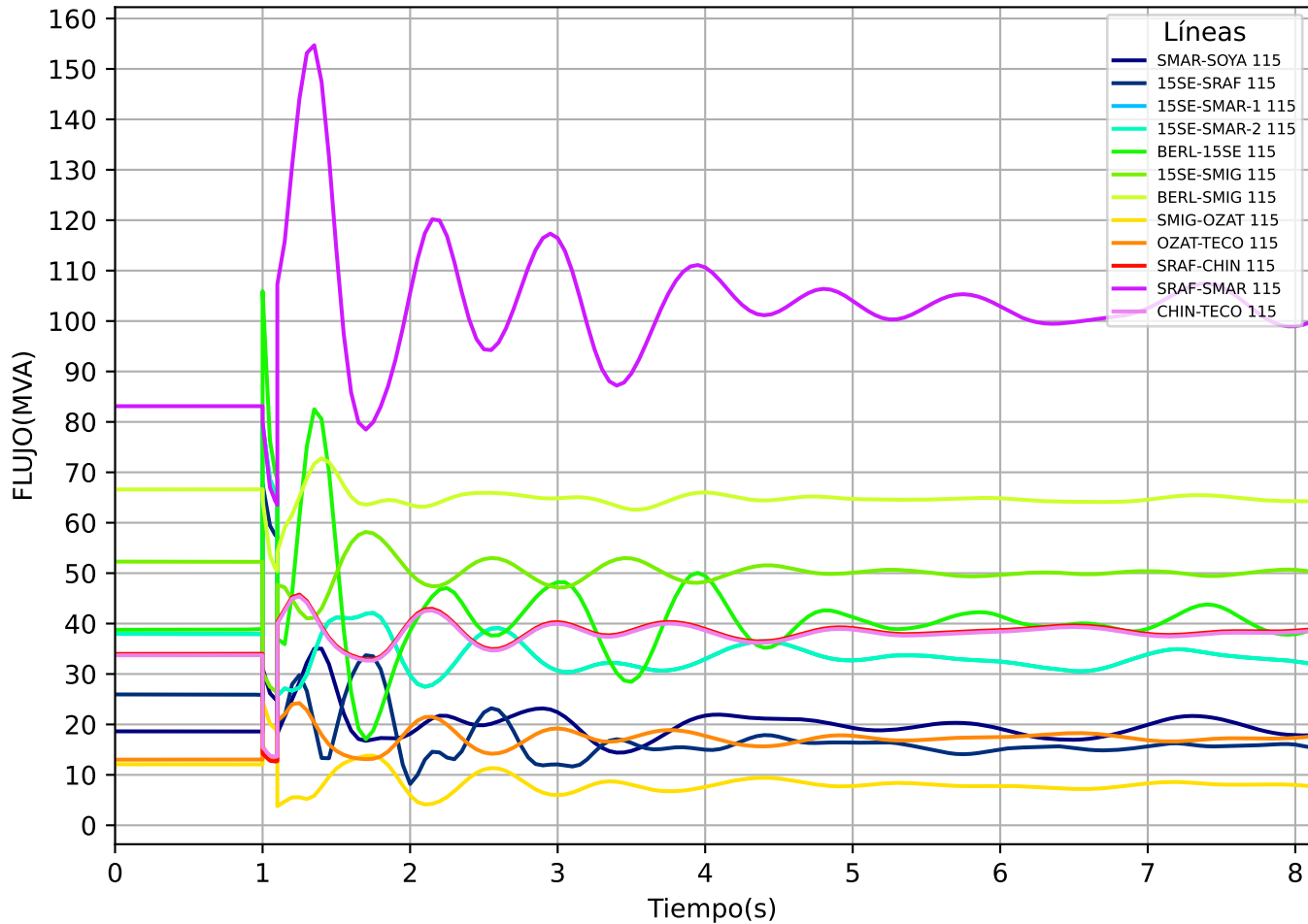
F26_NEJA-CGRA: FLUJO L-115kV 1



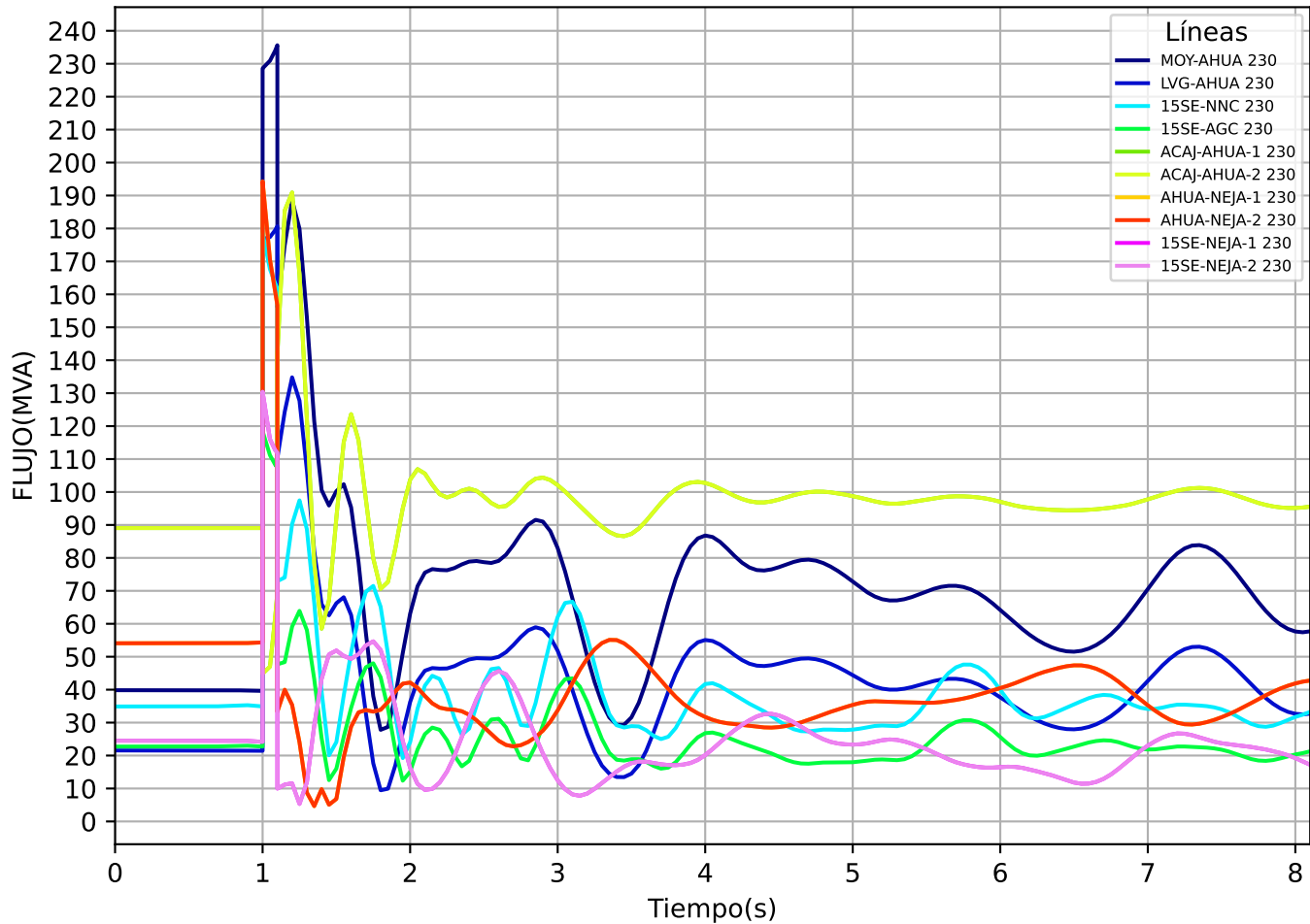
F26_NEJA-CGRA: FLUJO L-115kV 2



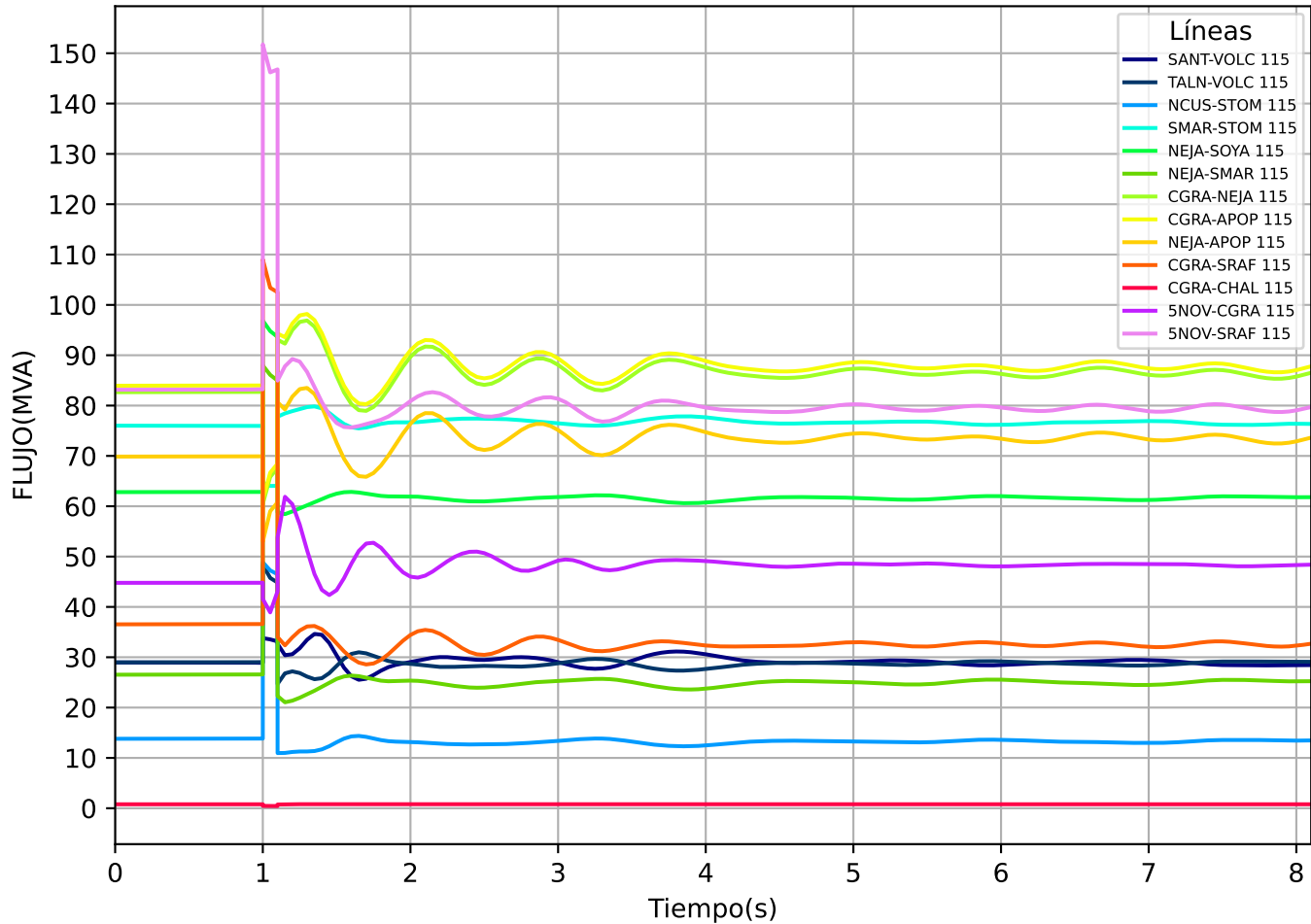
F26_NEJA-CGRA: FLUJO L-115kV 3



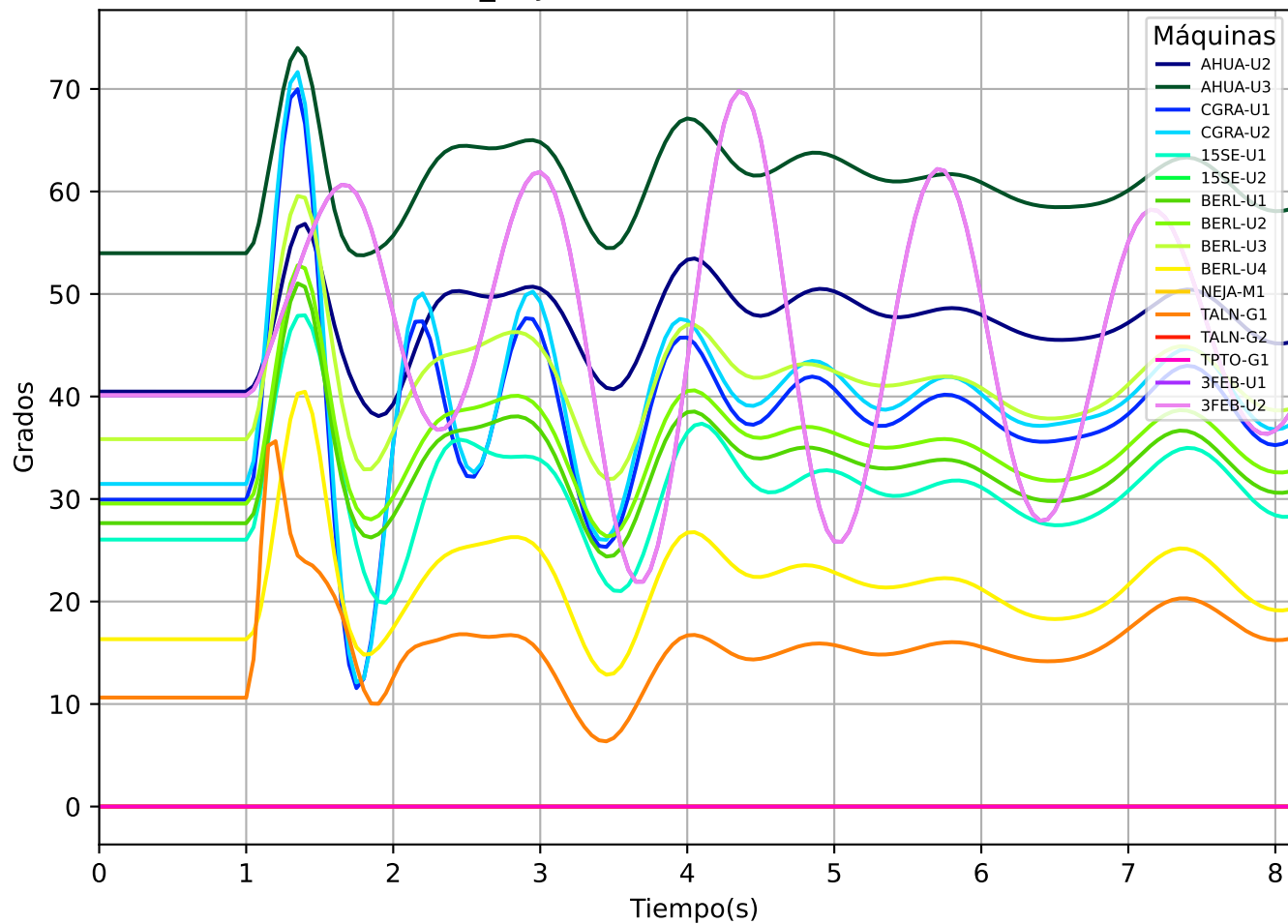
F26_NEJA-CGRA: FLUJO L-230kV 4



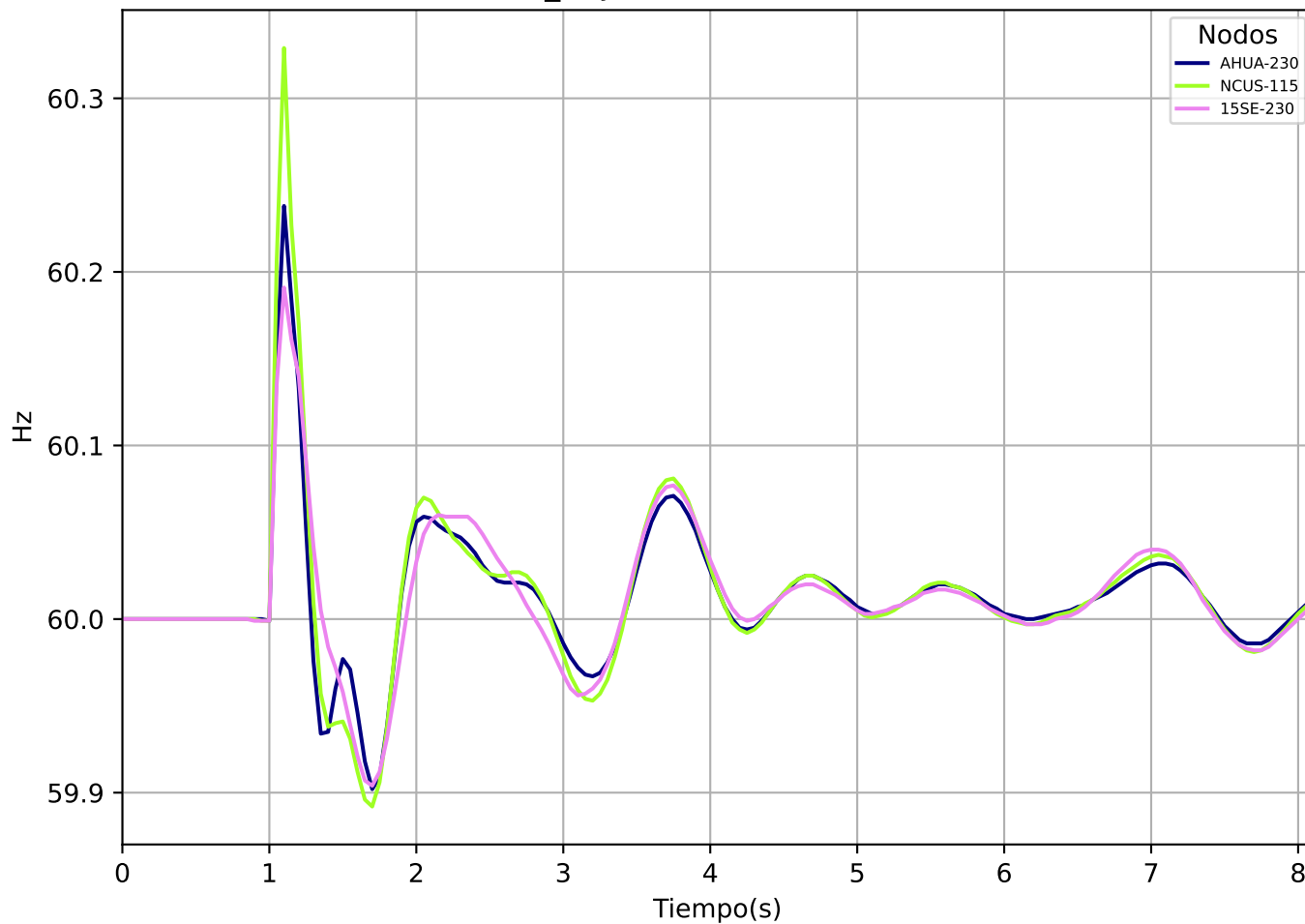
F22_CHIN-TECO: FLUJO L-115kV 2



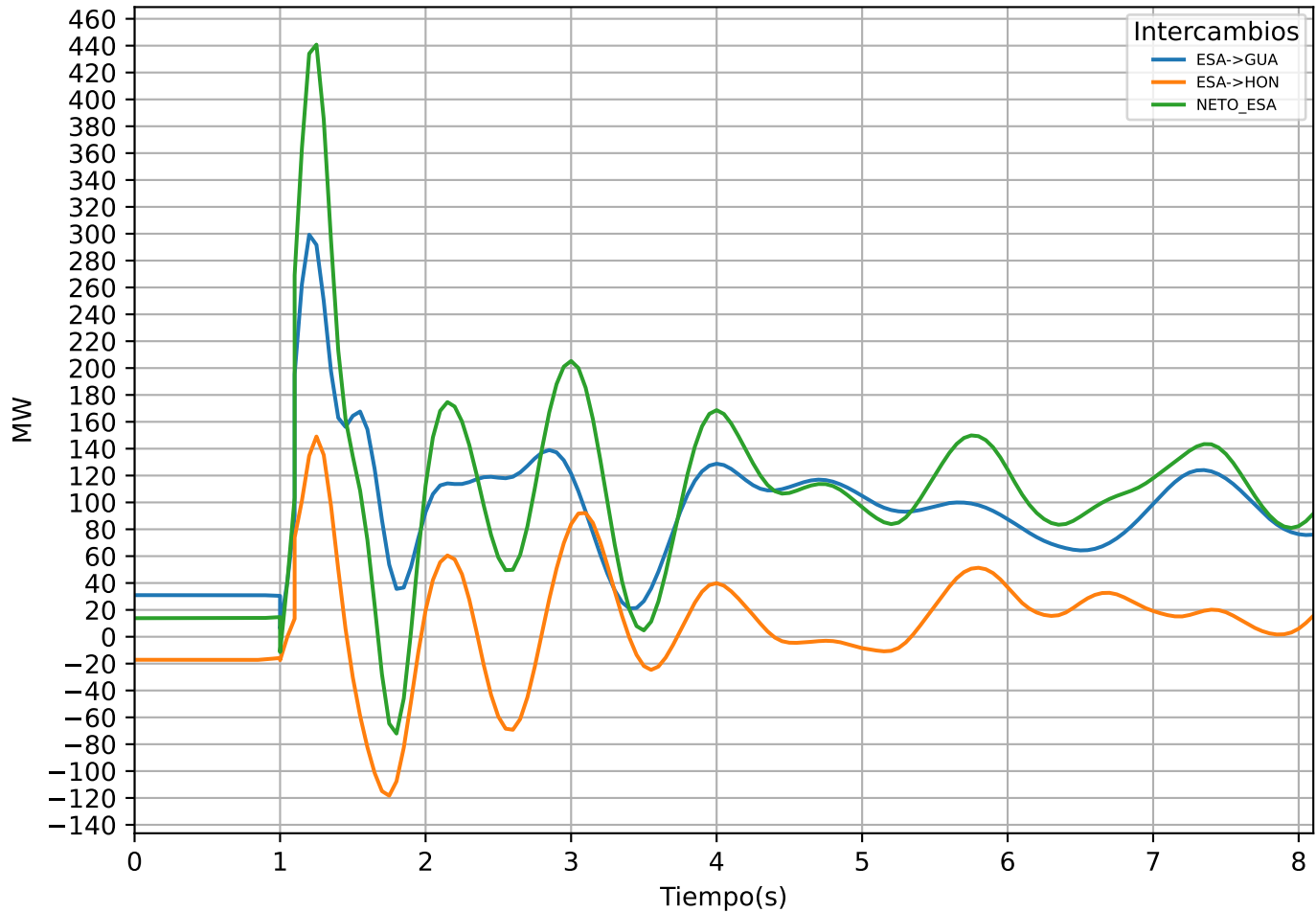
F26_NEJA-CGRA: ANGULO ROTOR 2



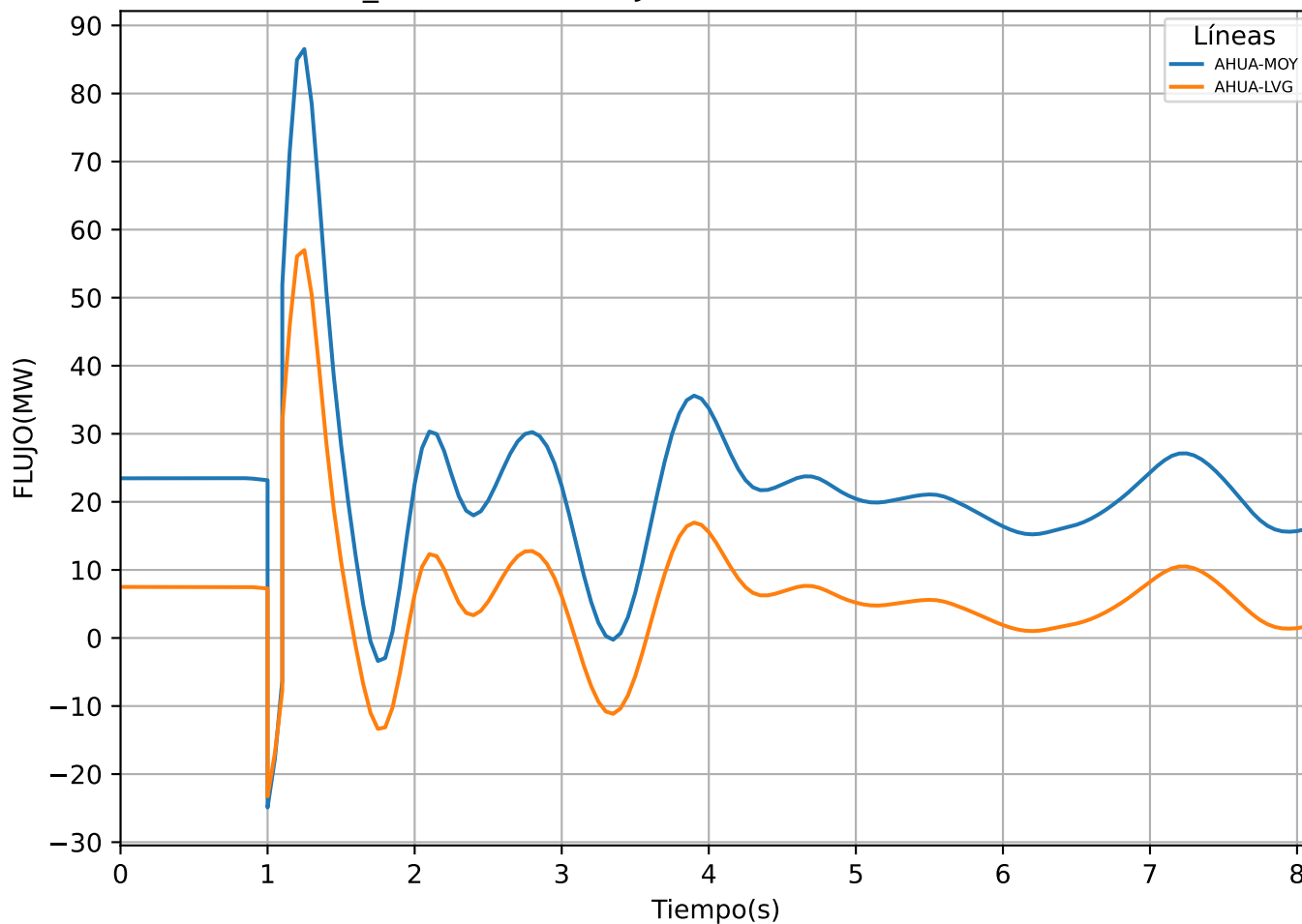
F26_NEJA-CGRA: FRECUENCIA



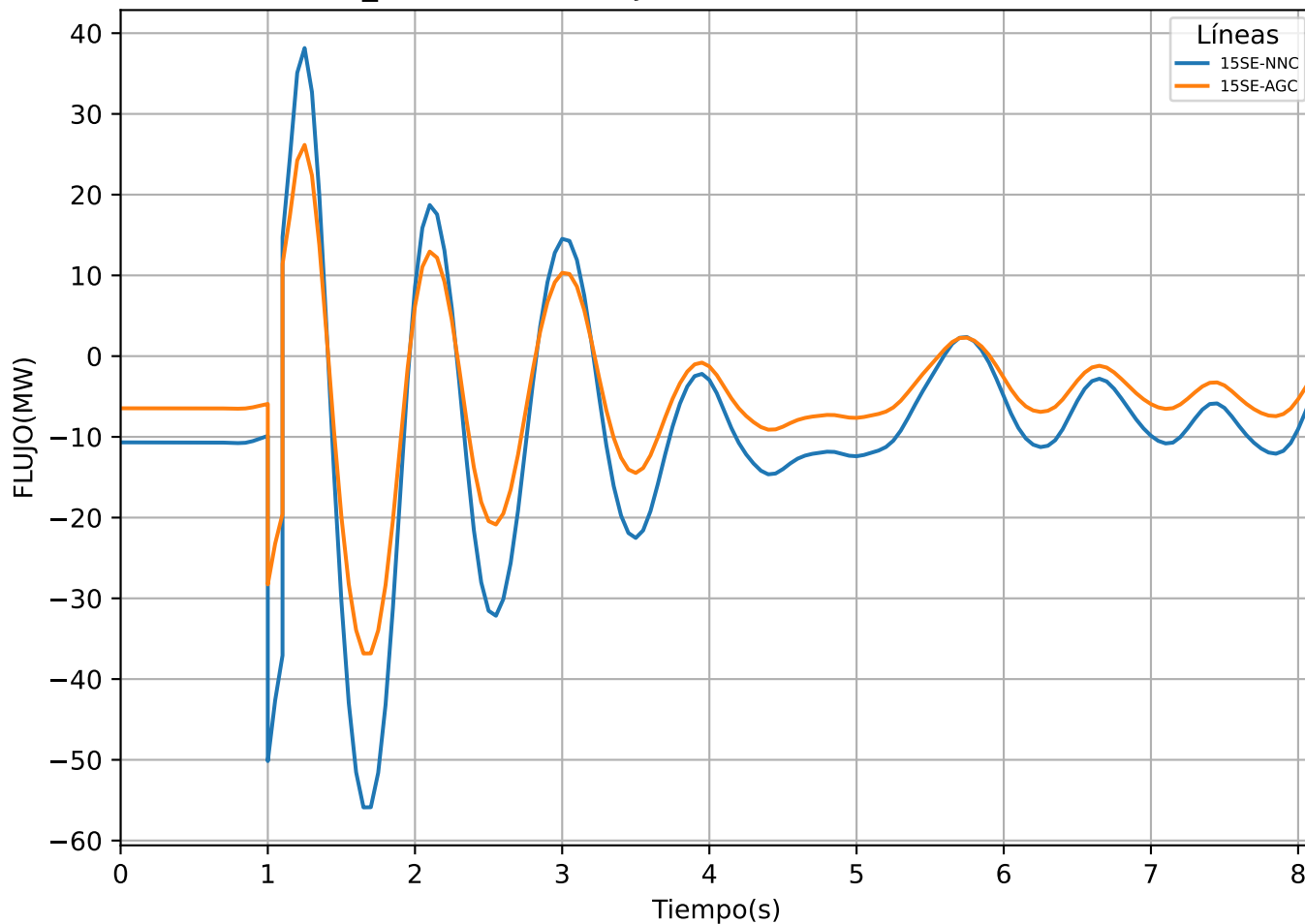
F26_NEJA-CGRA: Intercambios ESA



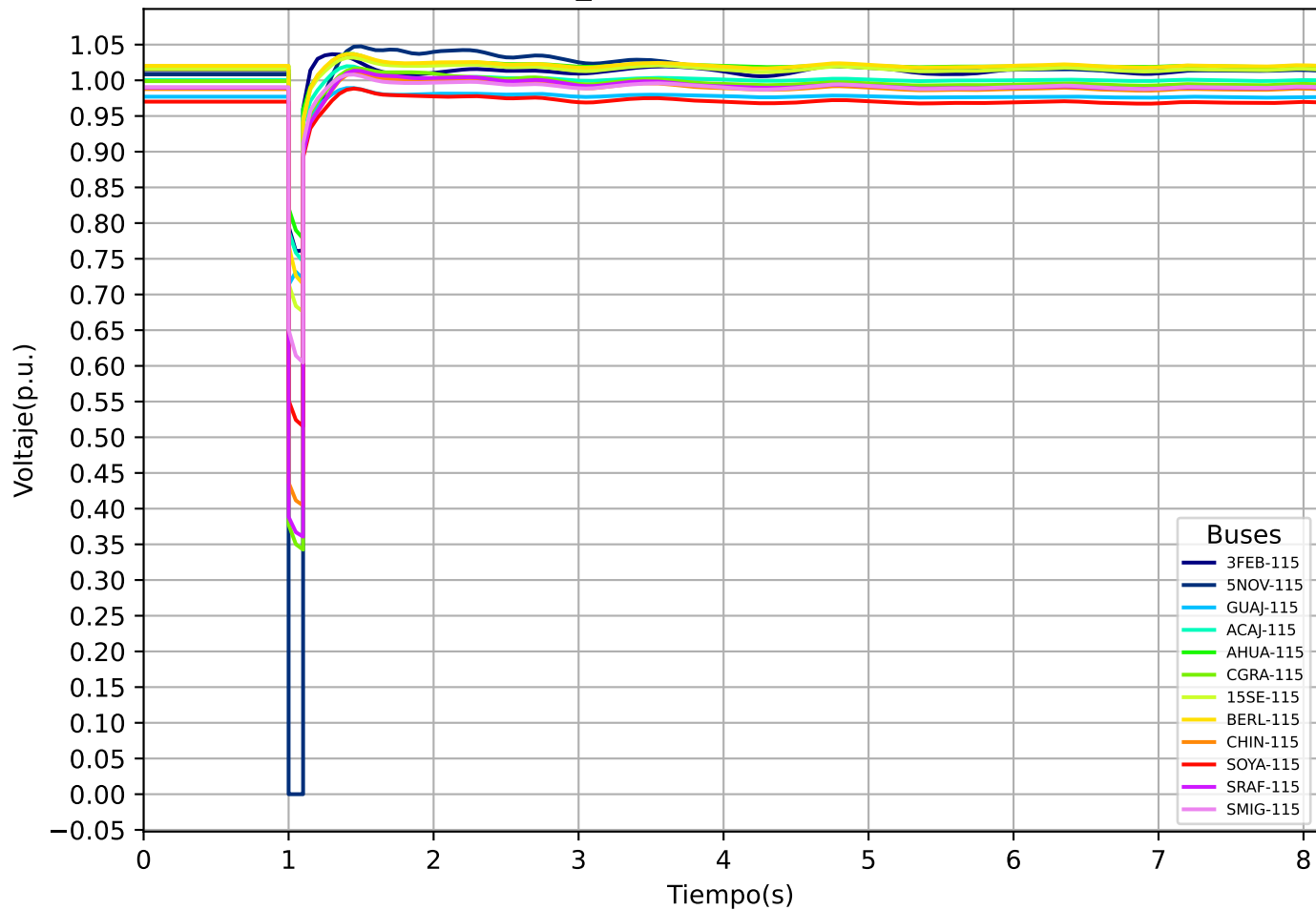
F27_5NOV-CCRA: FLUJO INTERCONEXIONES ESA-GUA



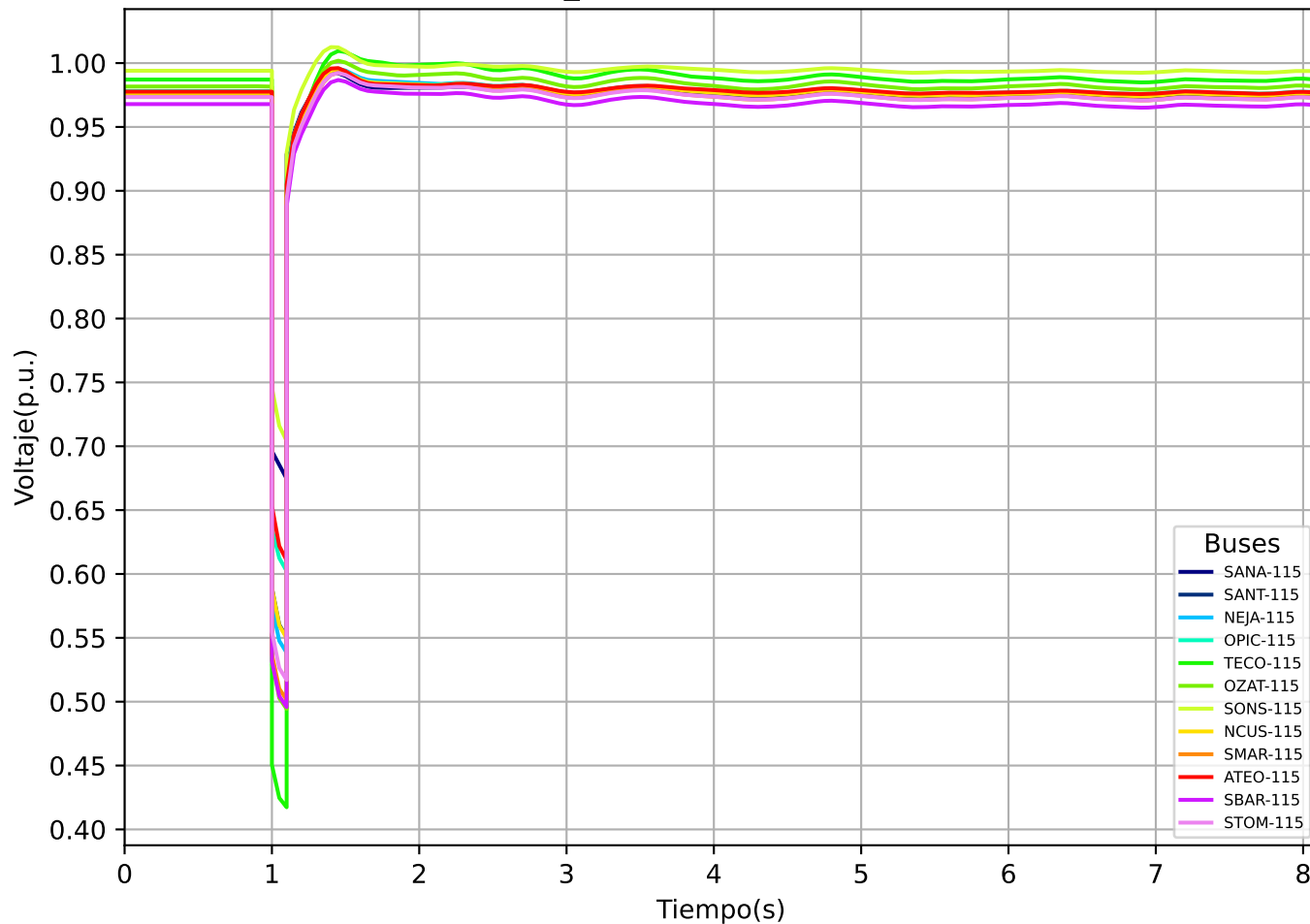
F27_5NOV-CCRA: FLUJO INTERCONEXIONES ESA-HON



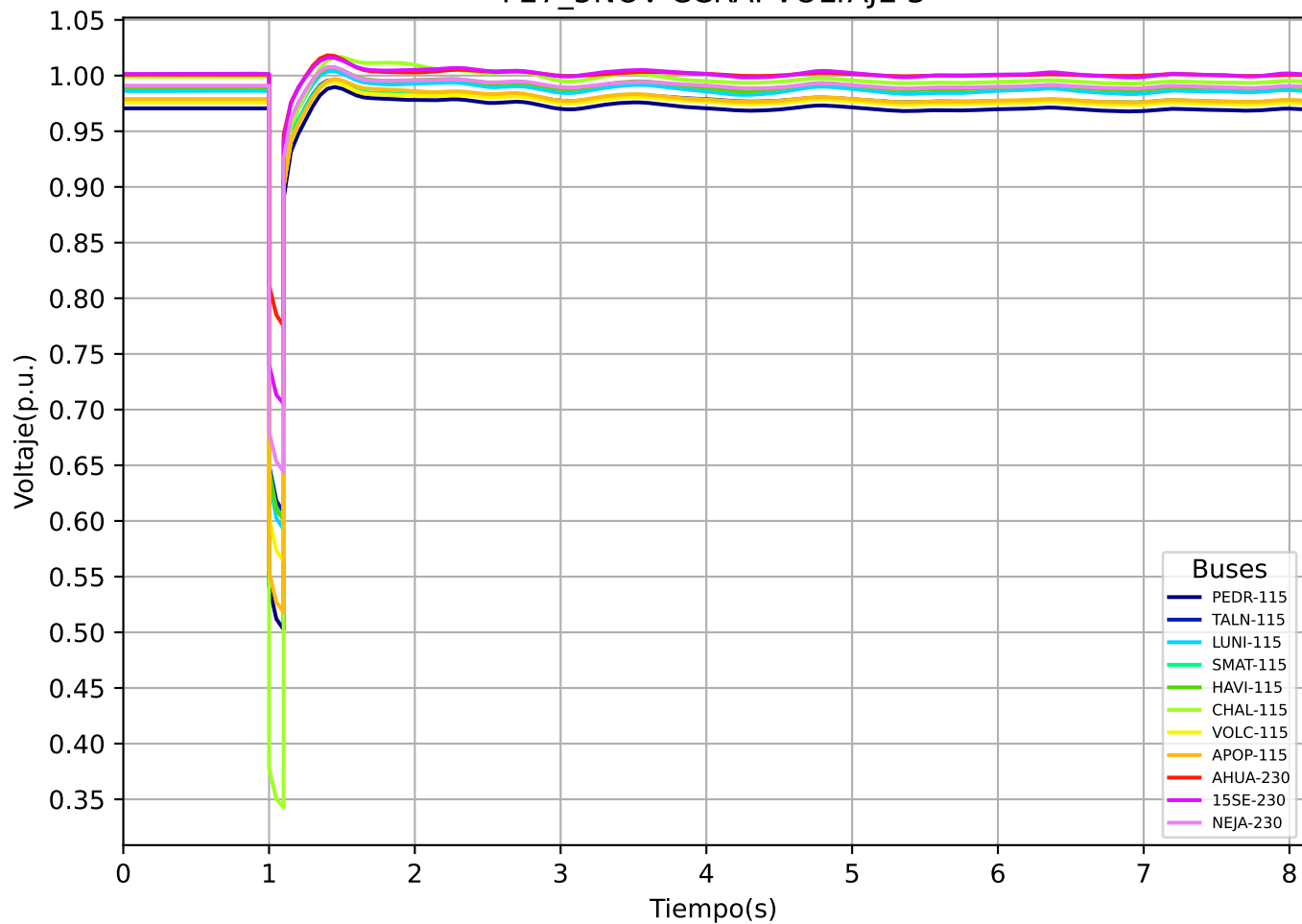
F27_5NOV-CCRA: VOLTAJE 1



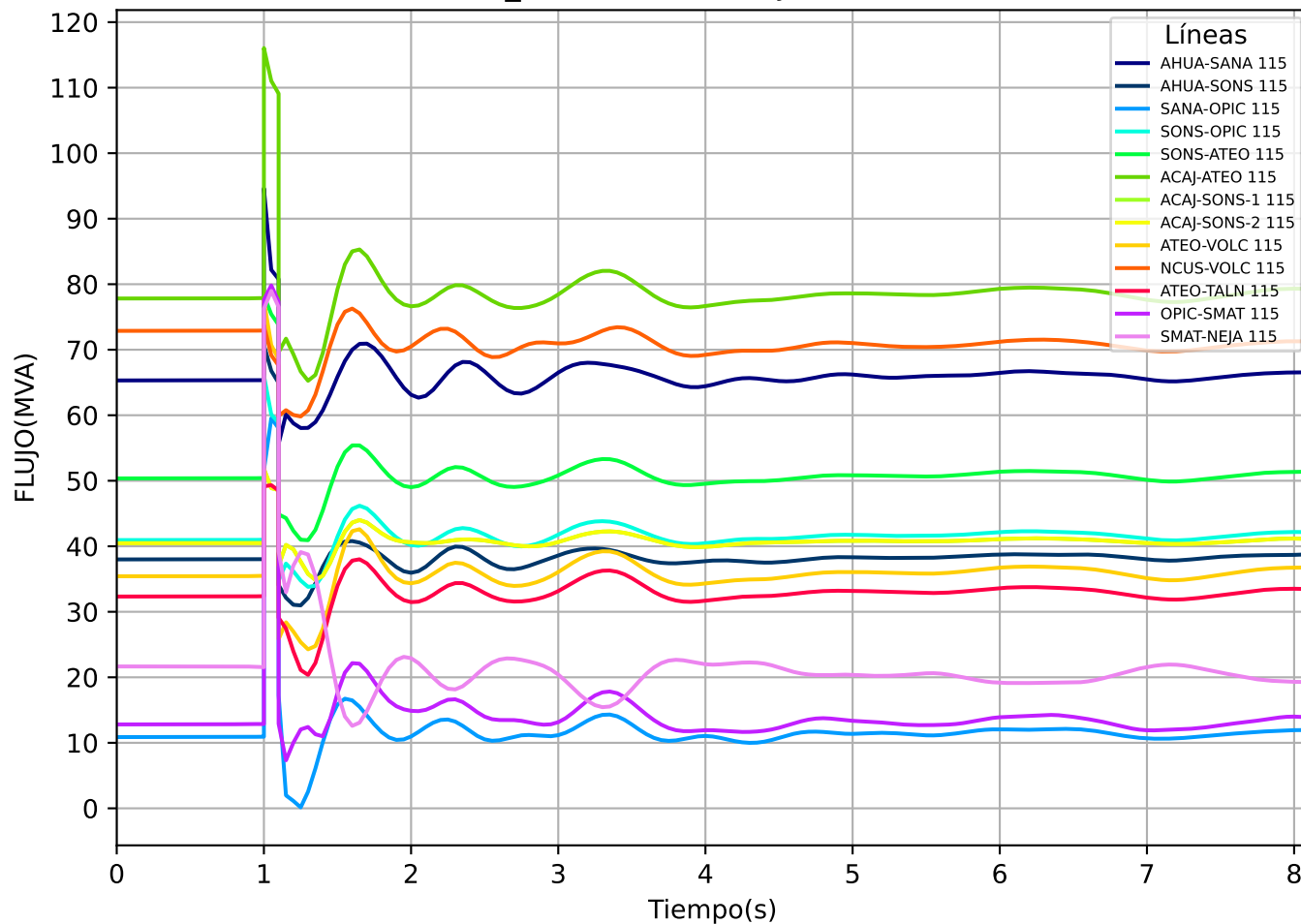
F27_5NOV-CCRA: VOLTAJE 2



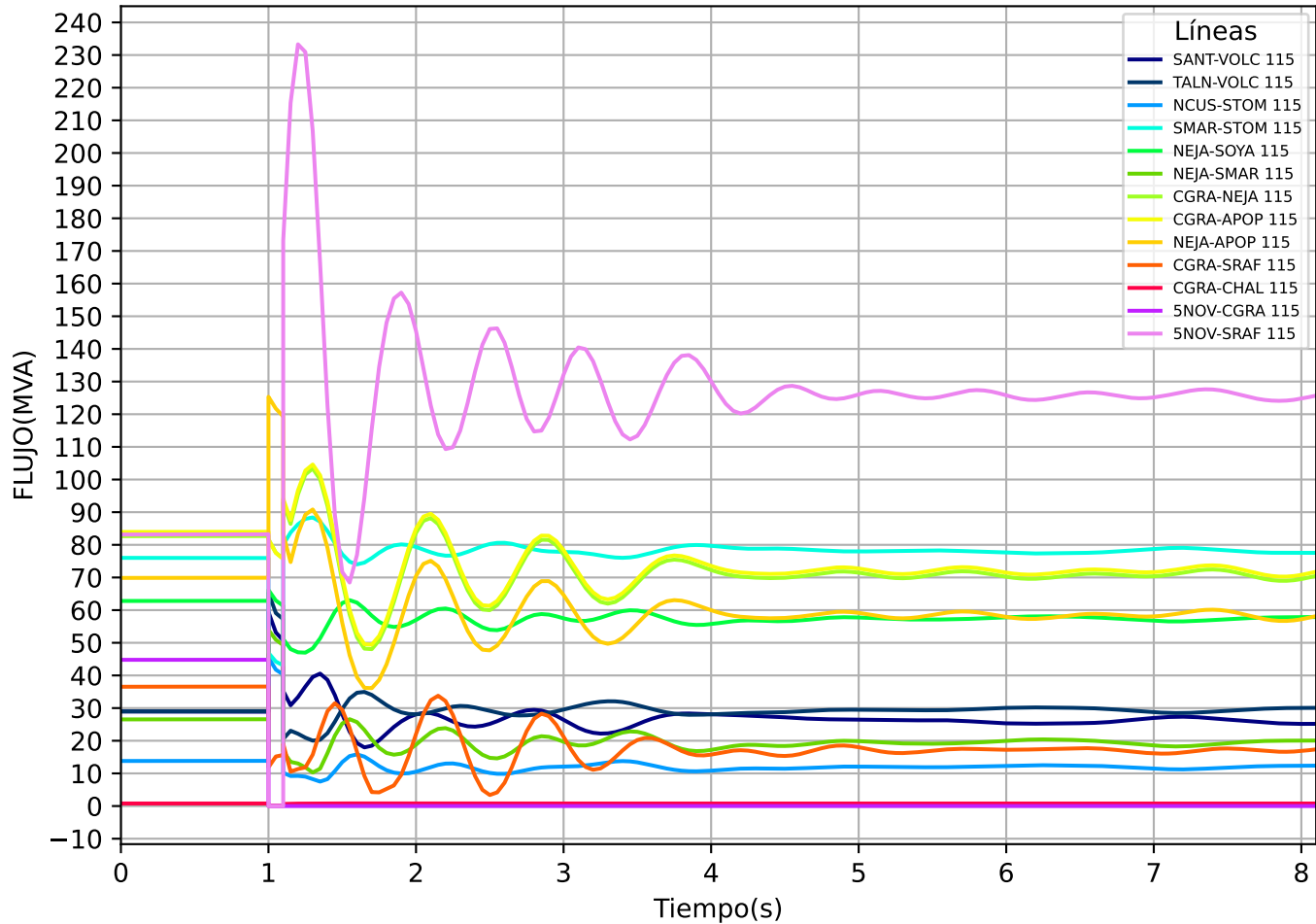
F27_5NOV-CCRA: VOLTAJE 3



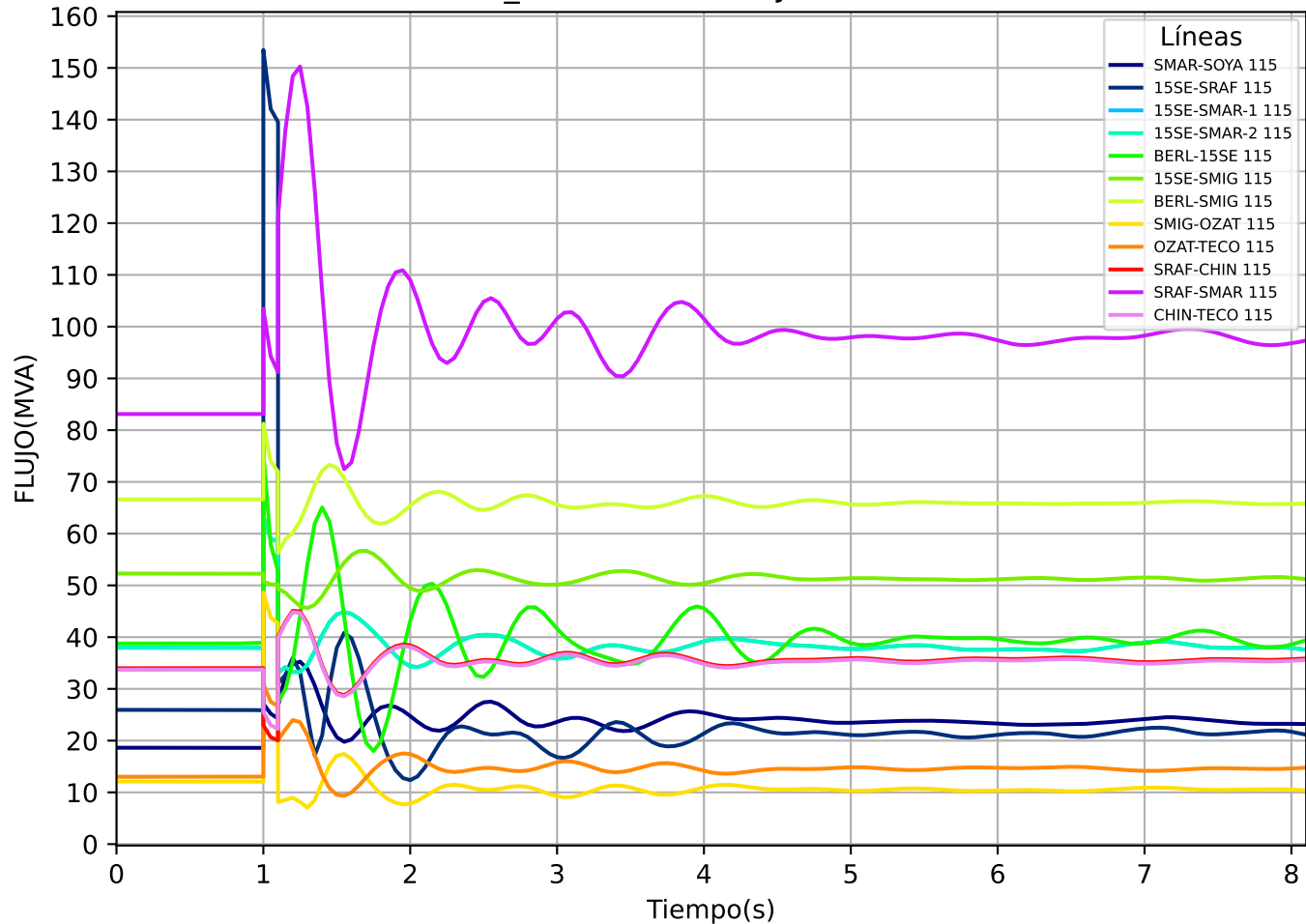
F27_5NOV-CCRA: FLUJO L-115kV 1



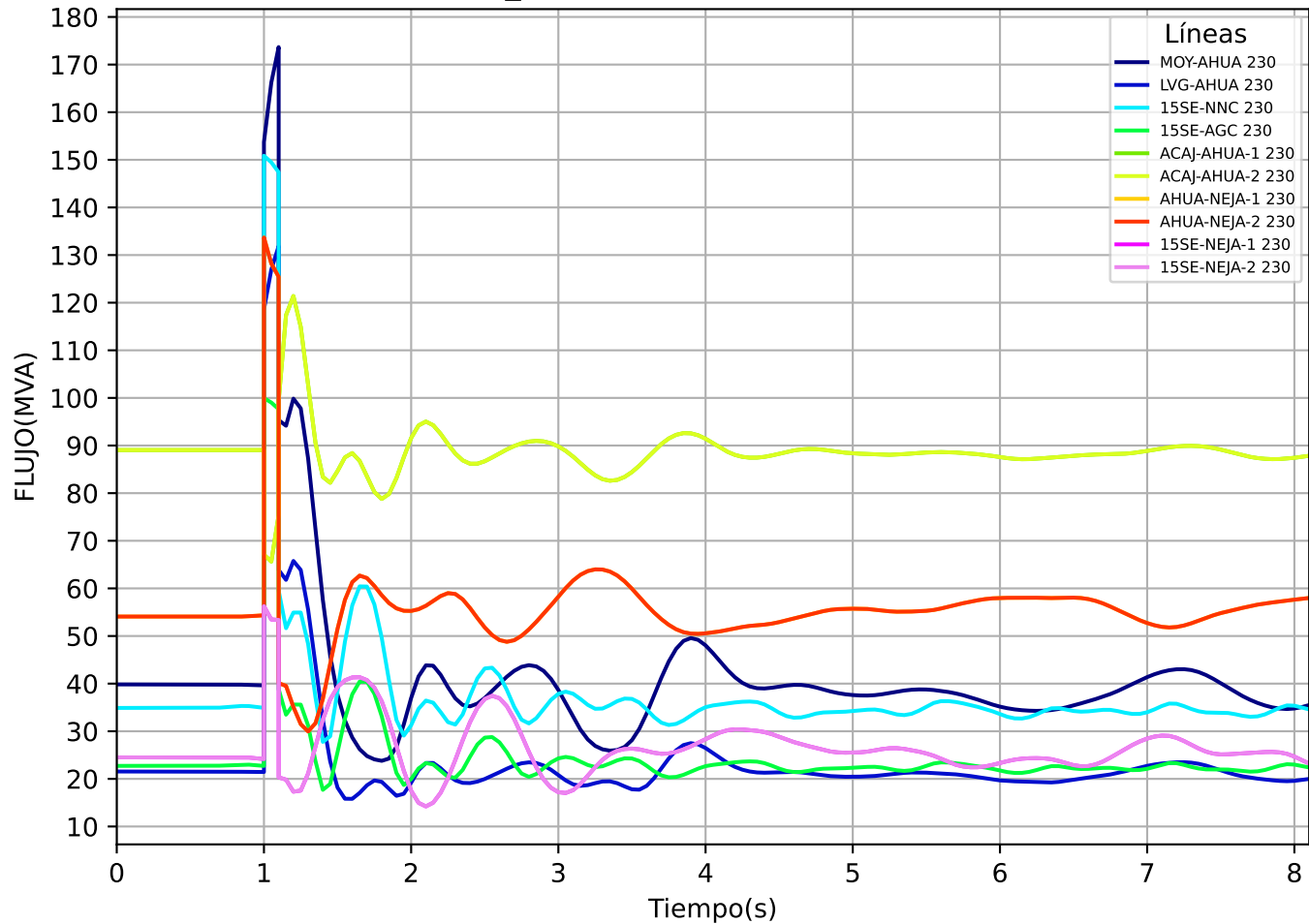
F27_5NOV-CCRA: FLUJO L-115kV 2



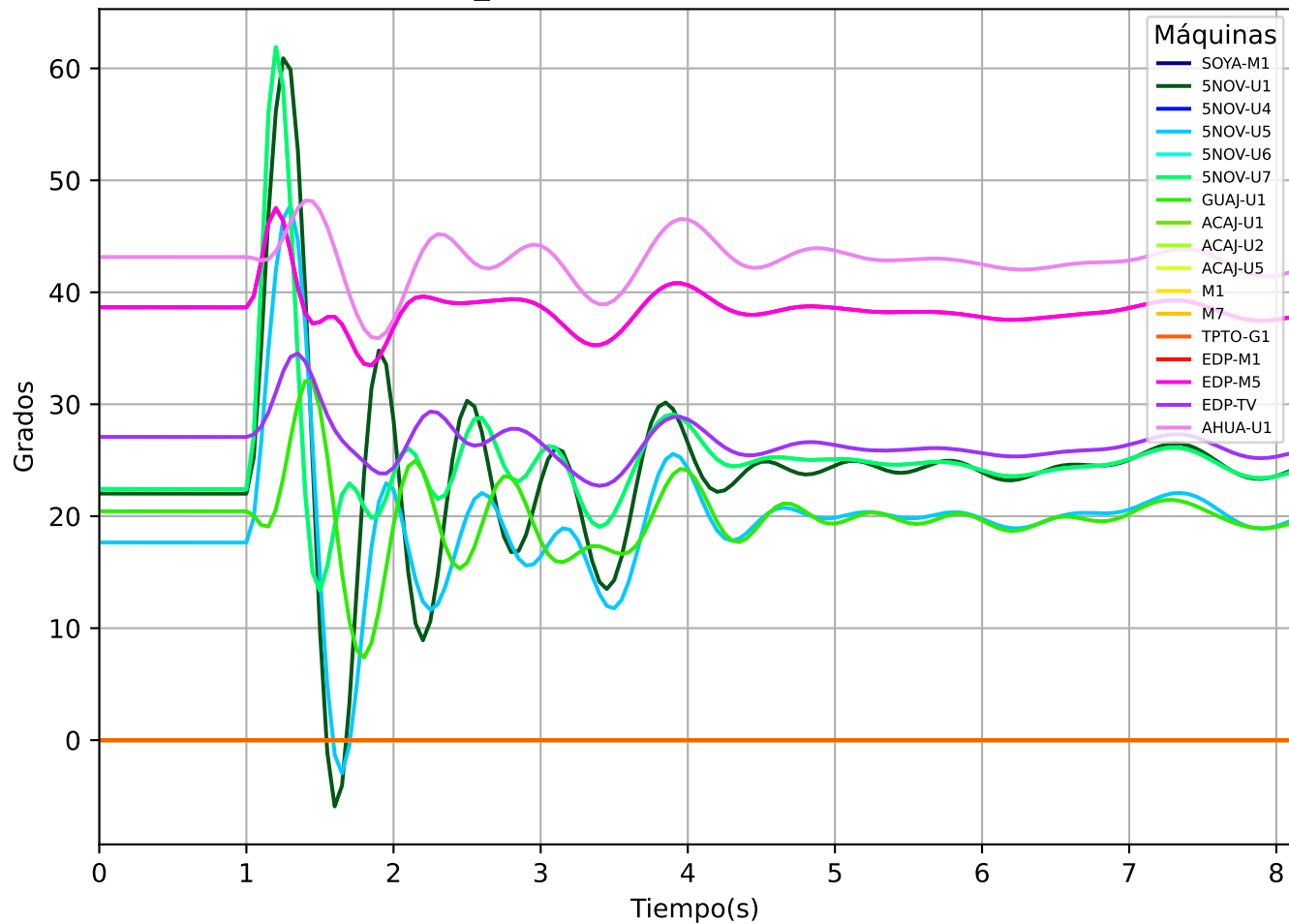
F27_5NOV-CCRA: FLUJO L-115kV 3



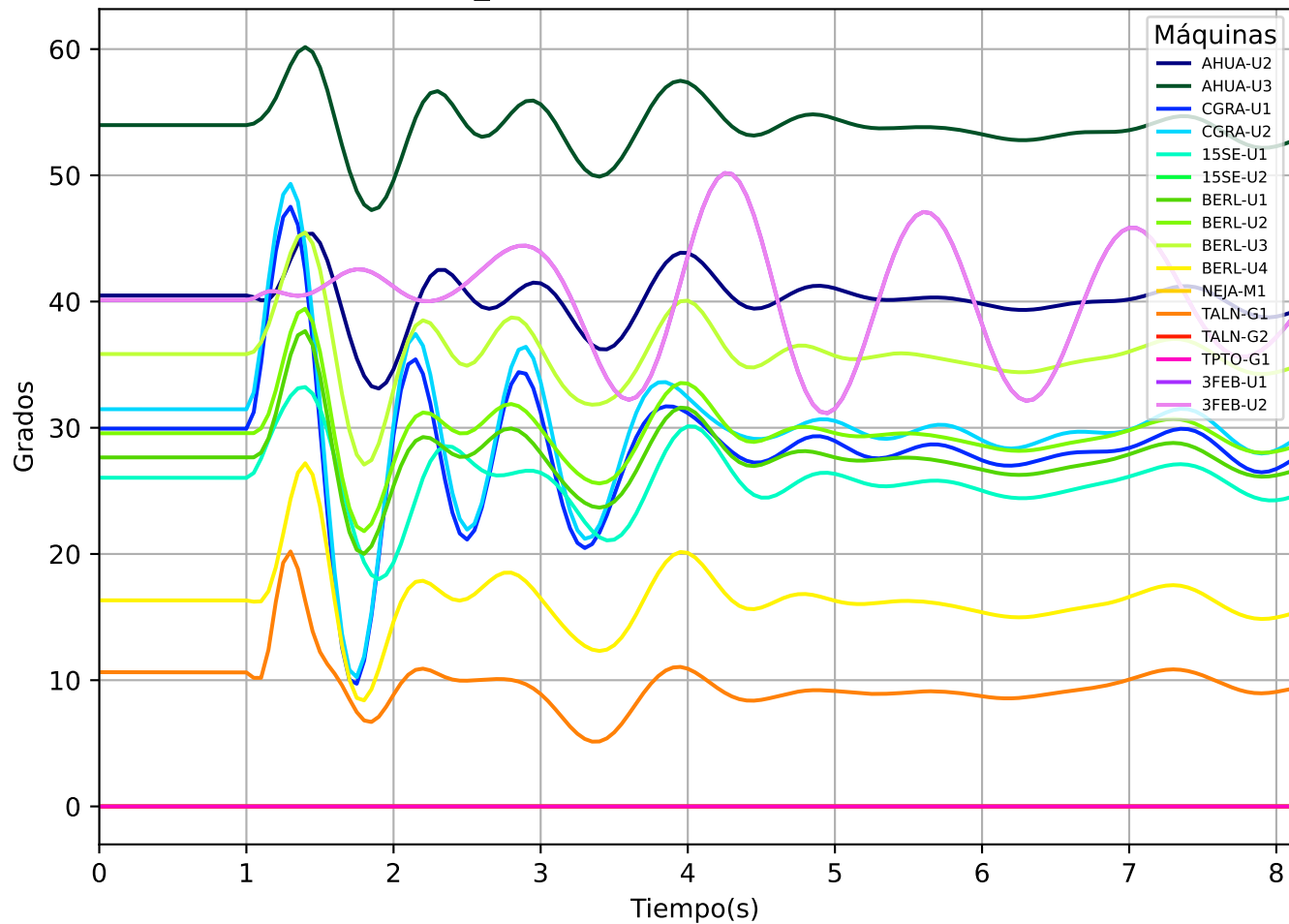
F27_5NOV-CCRA: FLUJO L-230kV 4



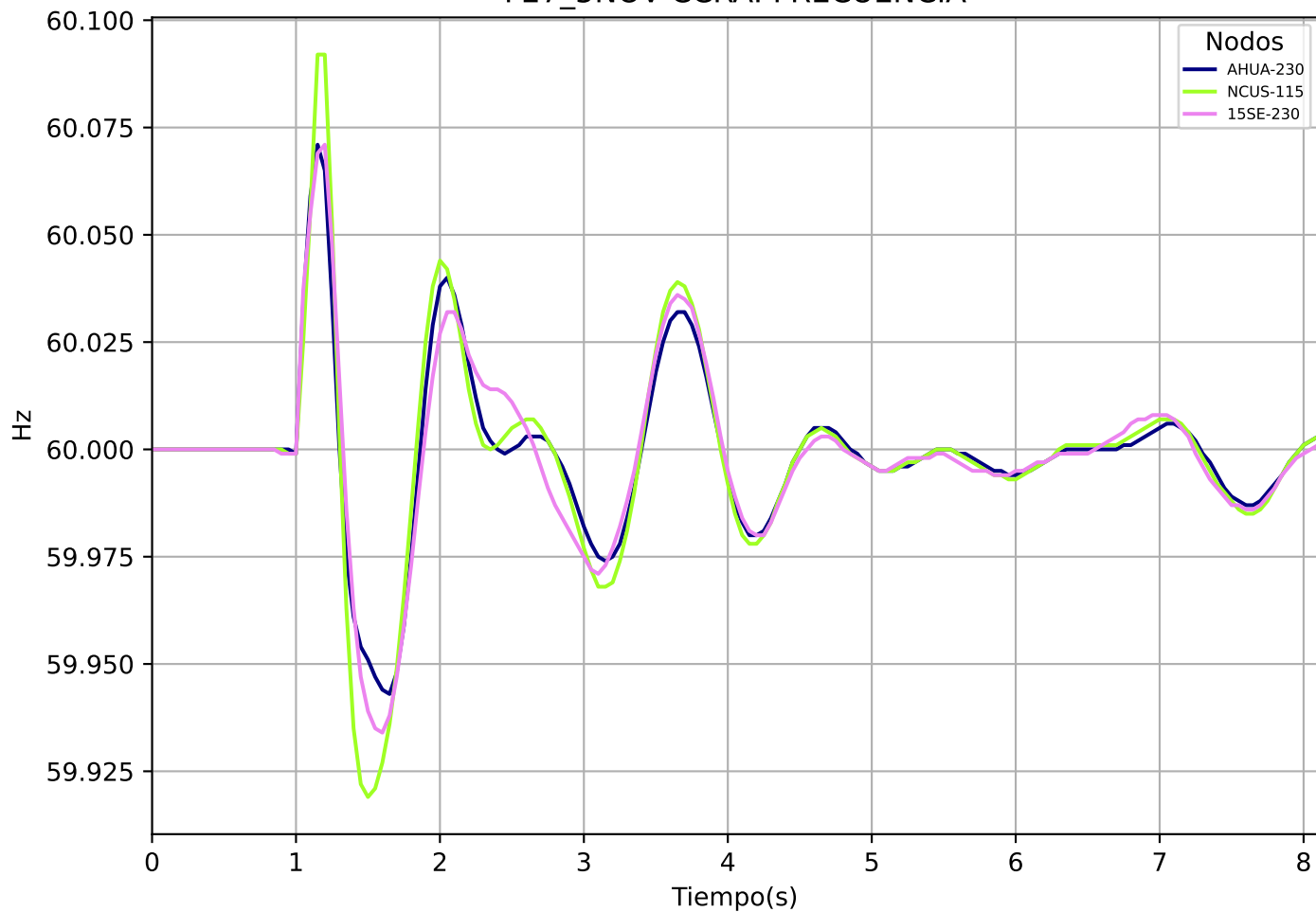
F27_5NOV-CCRA: ANGULO ROTOR 1



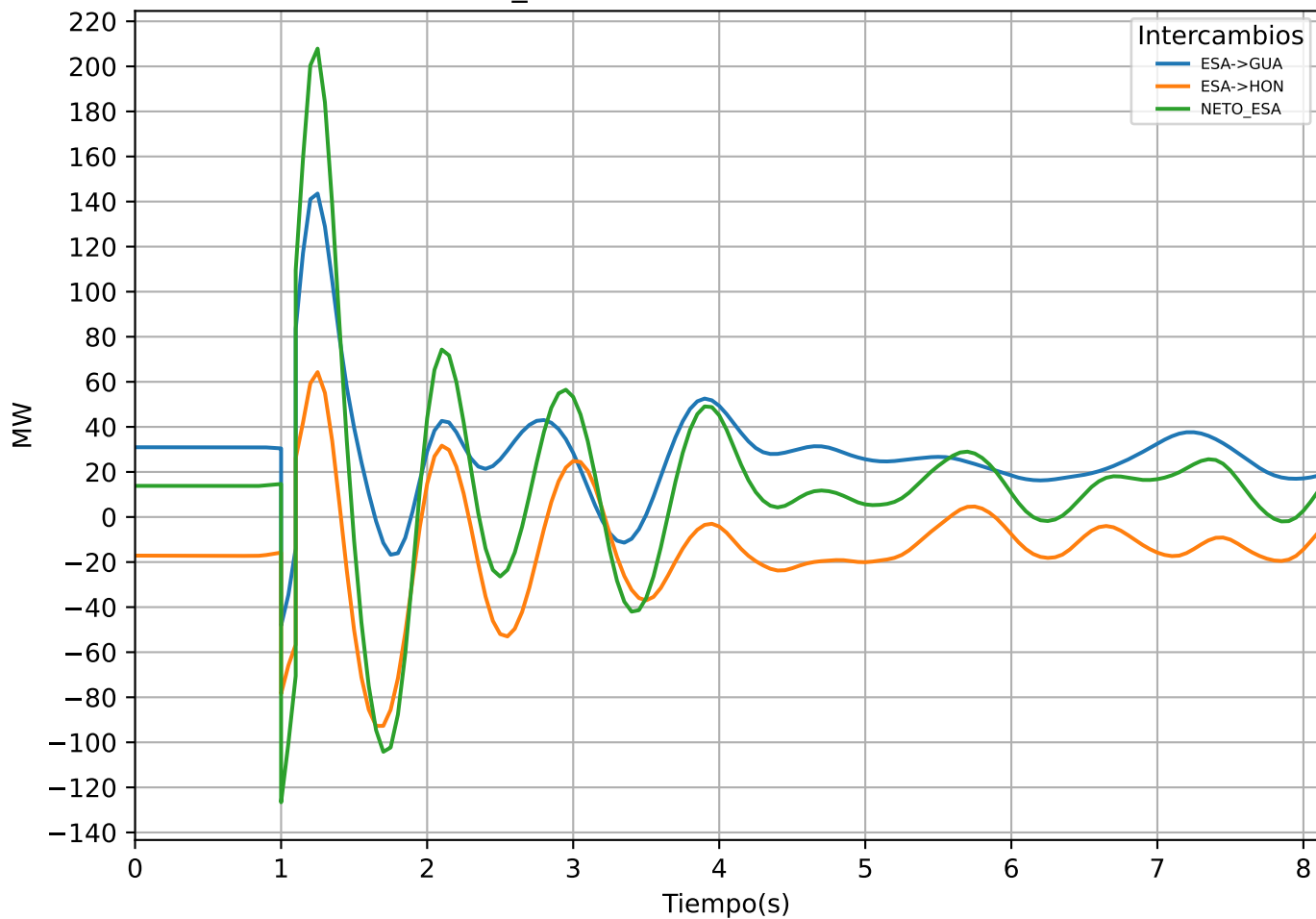
F27_5NOV-CCRA: ANGULO ROTOR 2



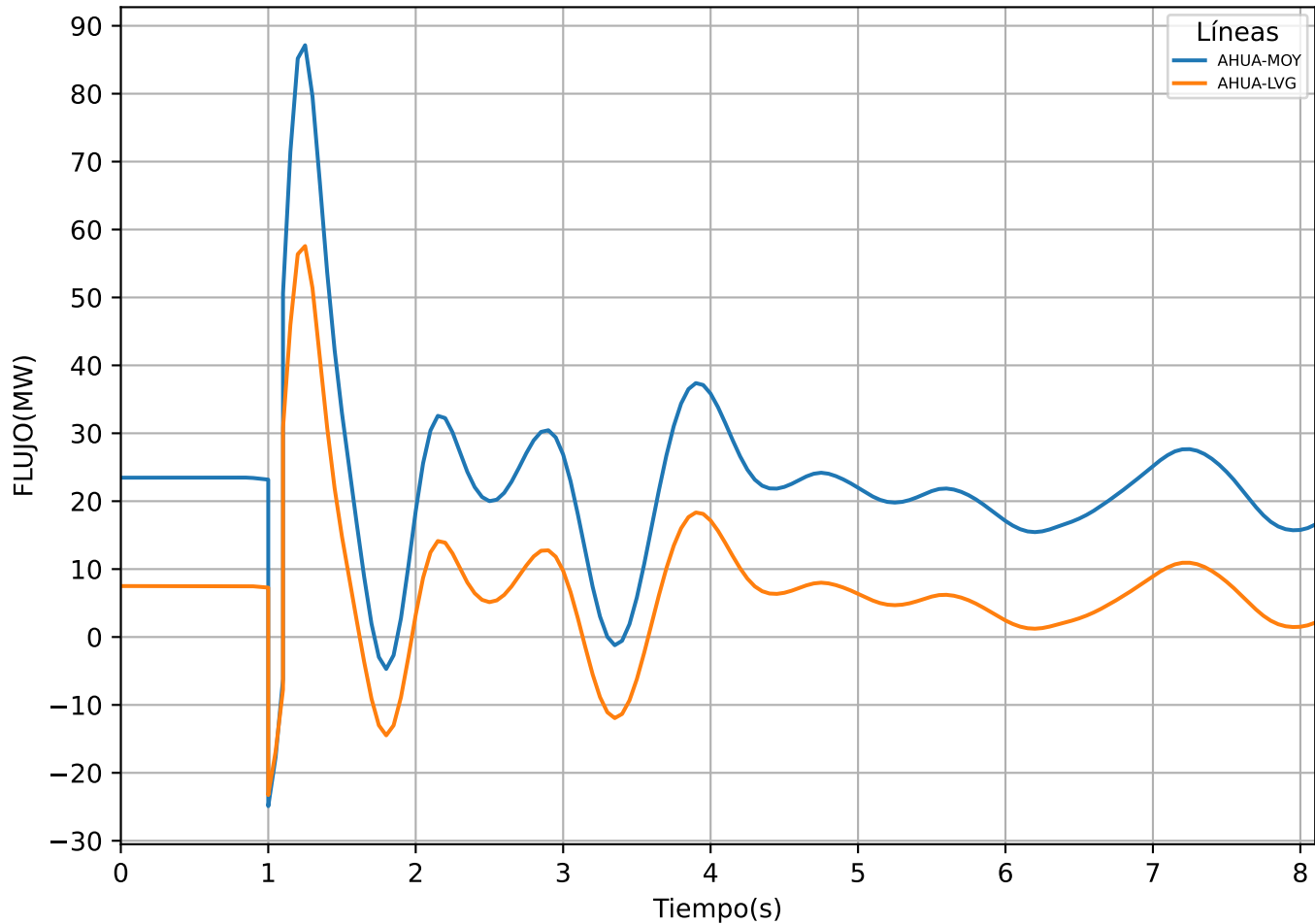
F27_5NOV-CCRA: FRECUENCIA



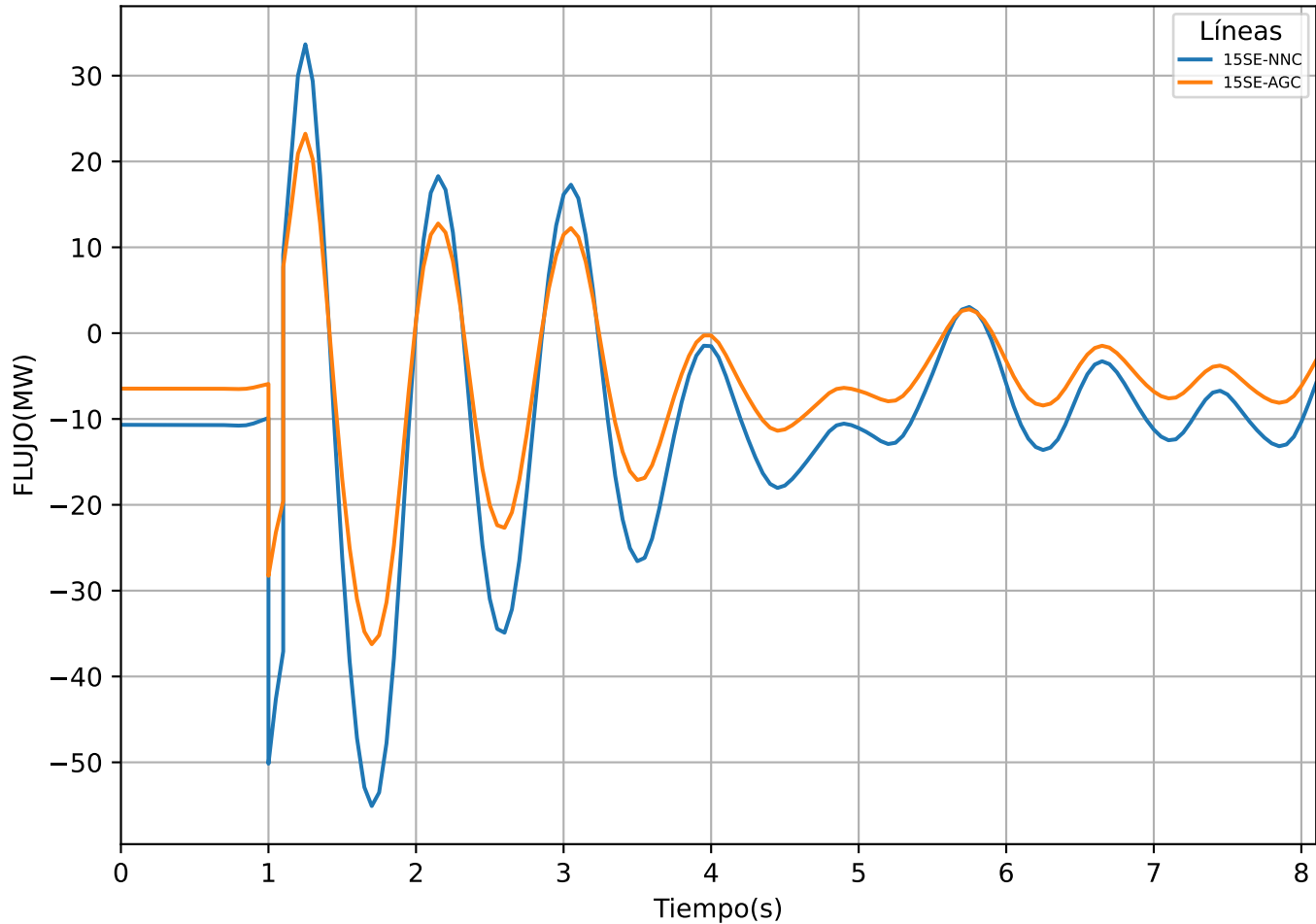
F27_5NOV-CCRA: Intercambios ESA



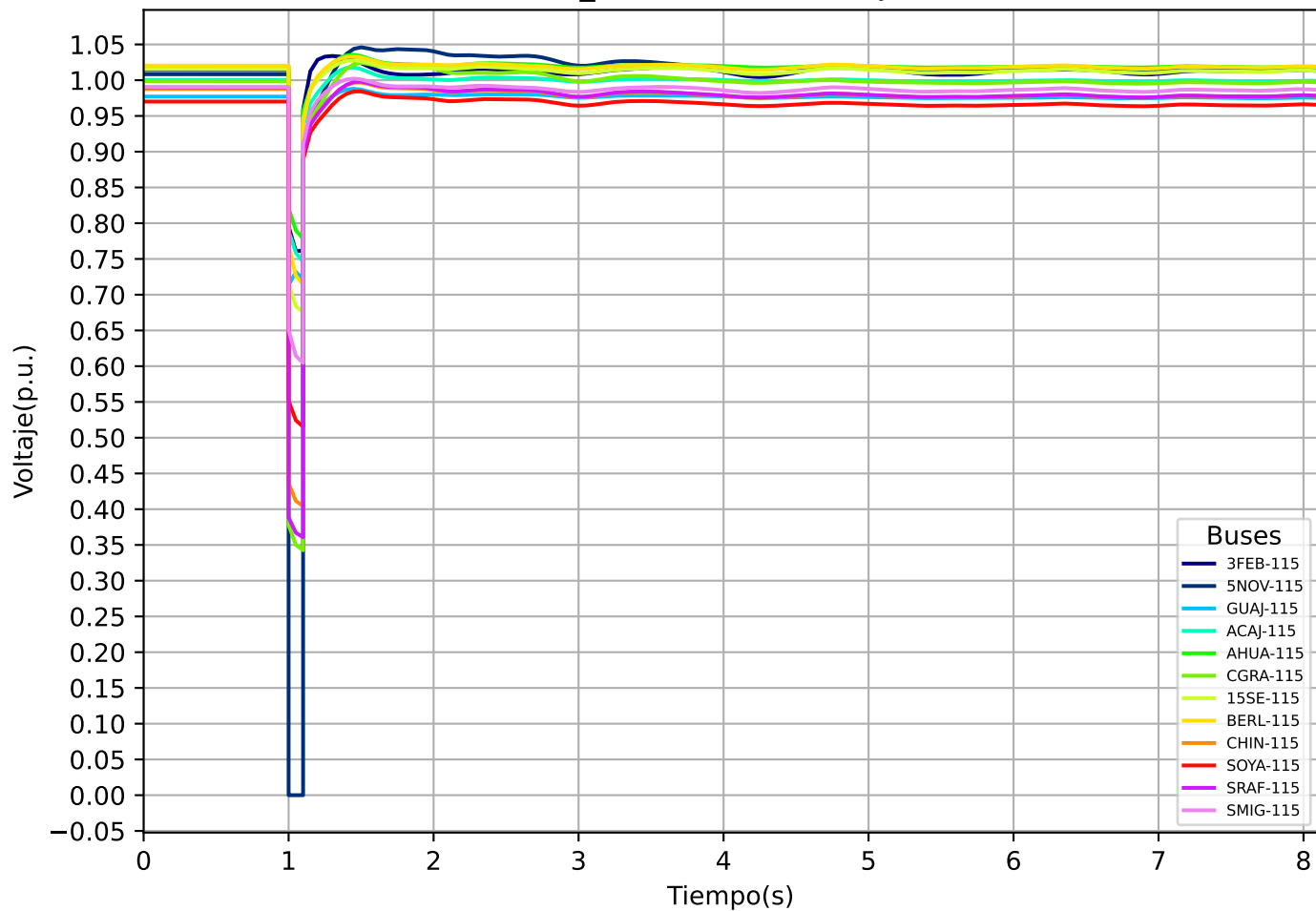
F28_5NOV-SRAF: FLUJO INTERCONEXIONES ESA-GUA



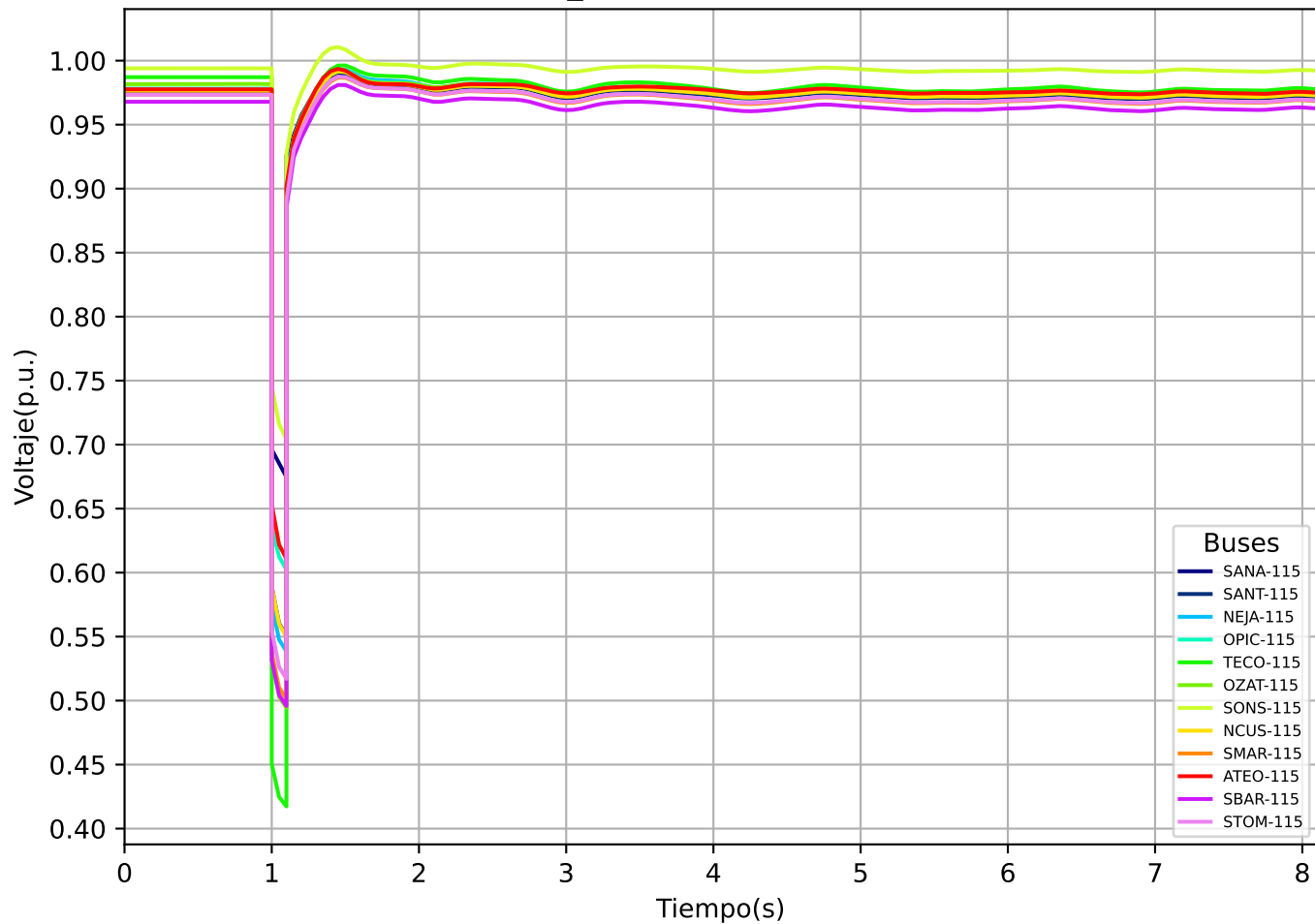
F28_5NOV-SRAF: FLUJO INTERCONEXIONES ESA-HON



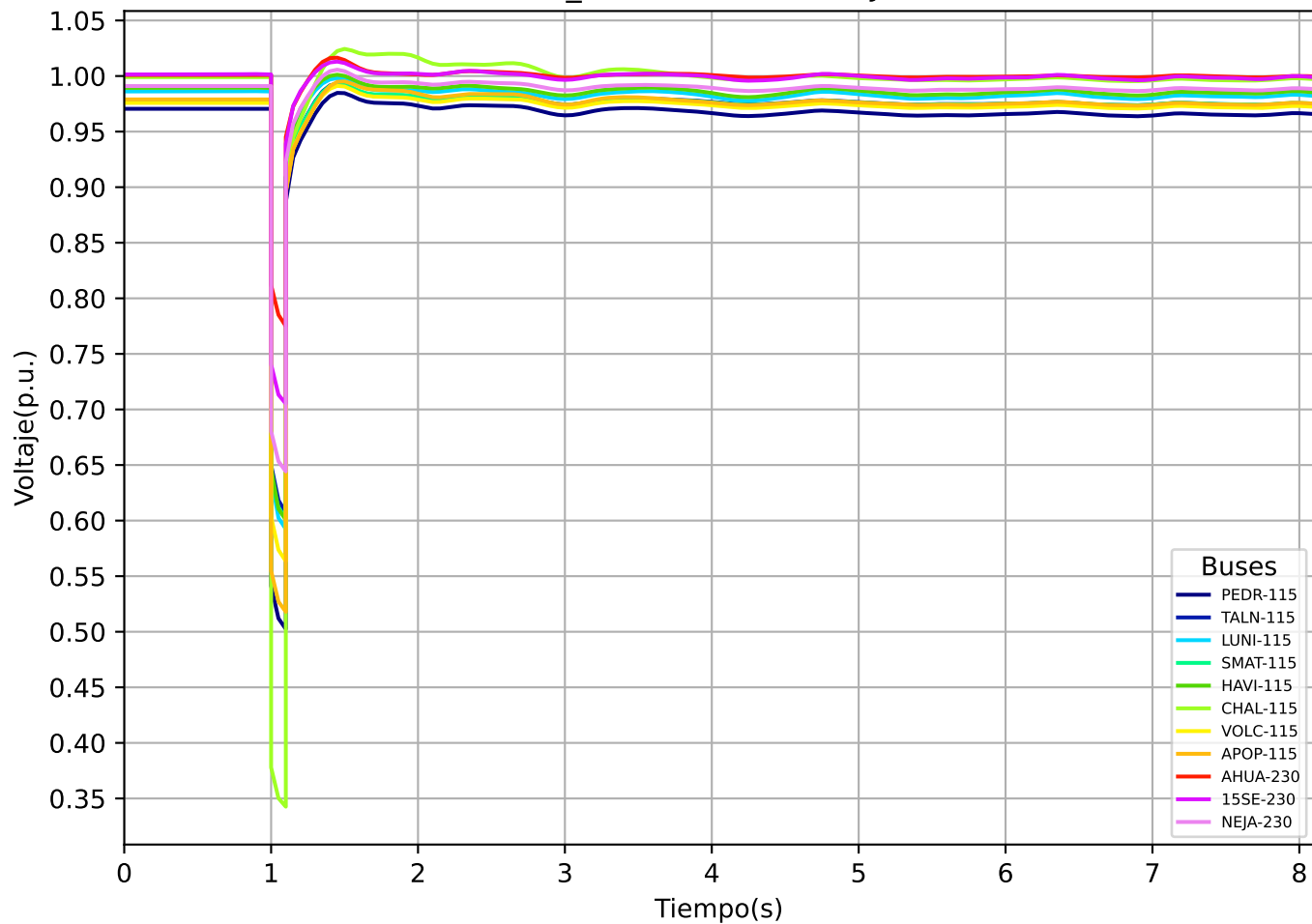
F28_5NOV-SRAF: VOLTAJE 1



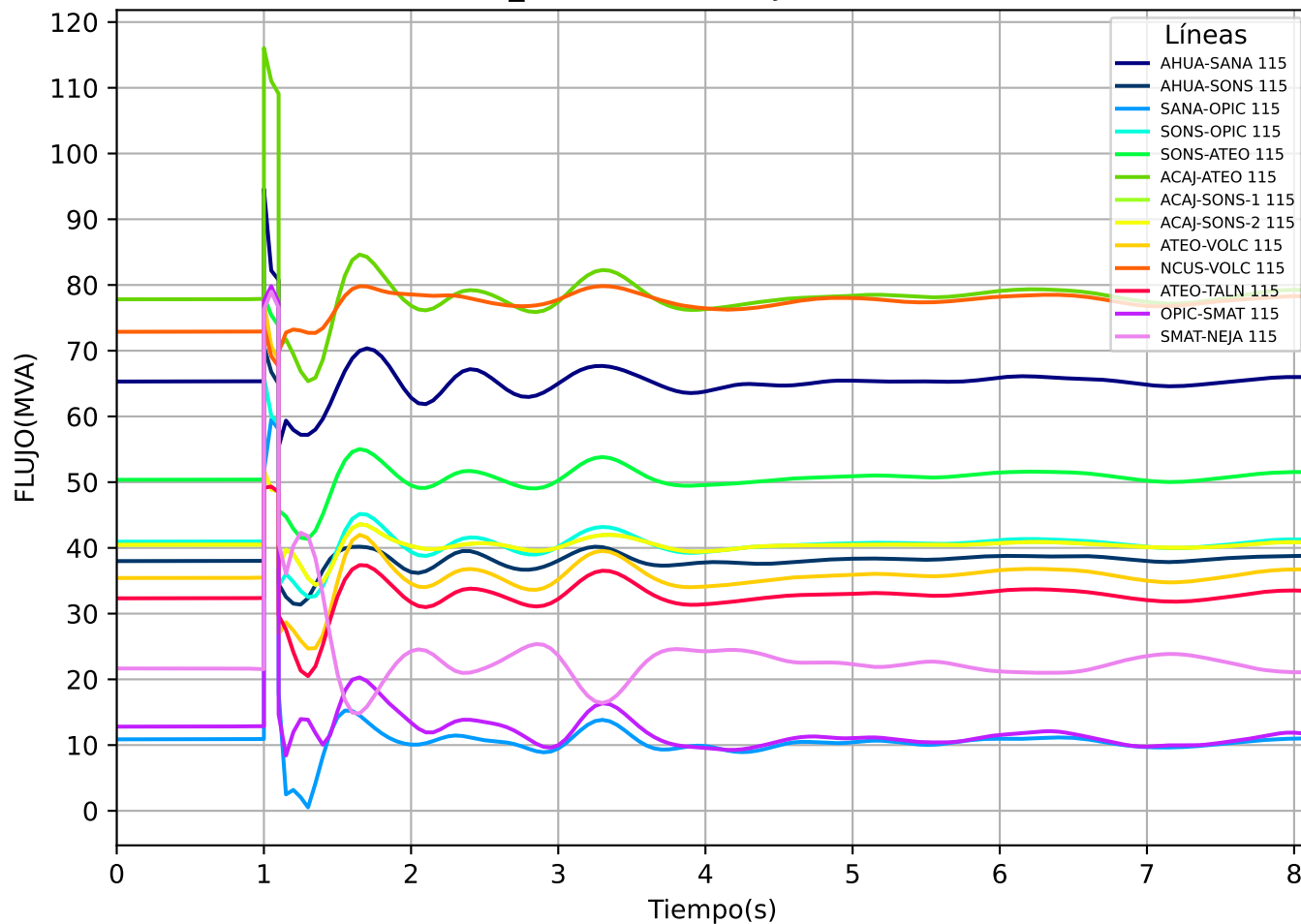
F28_5NOV-SRAF: VOLTAJE 2



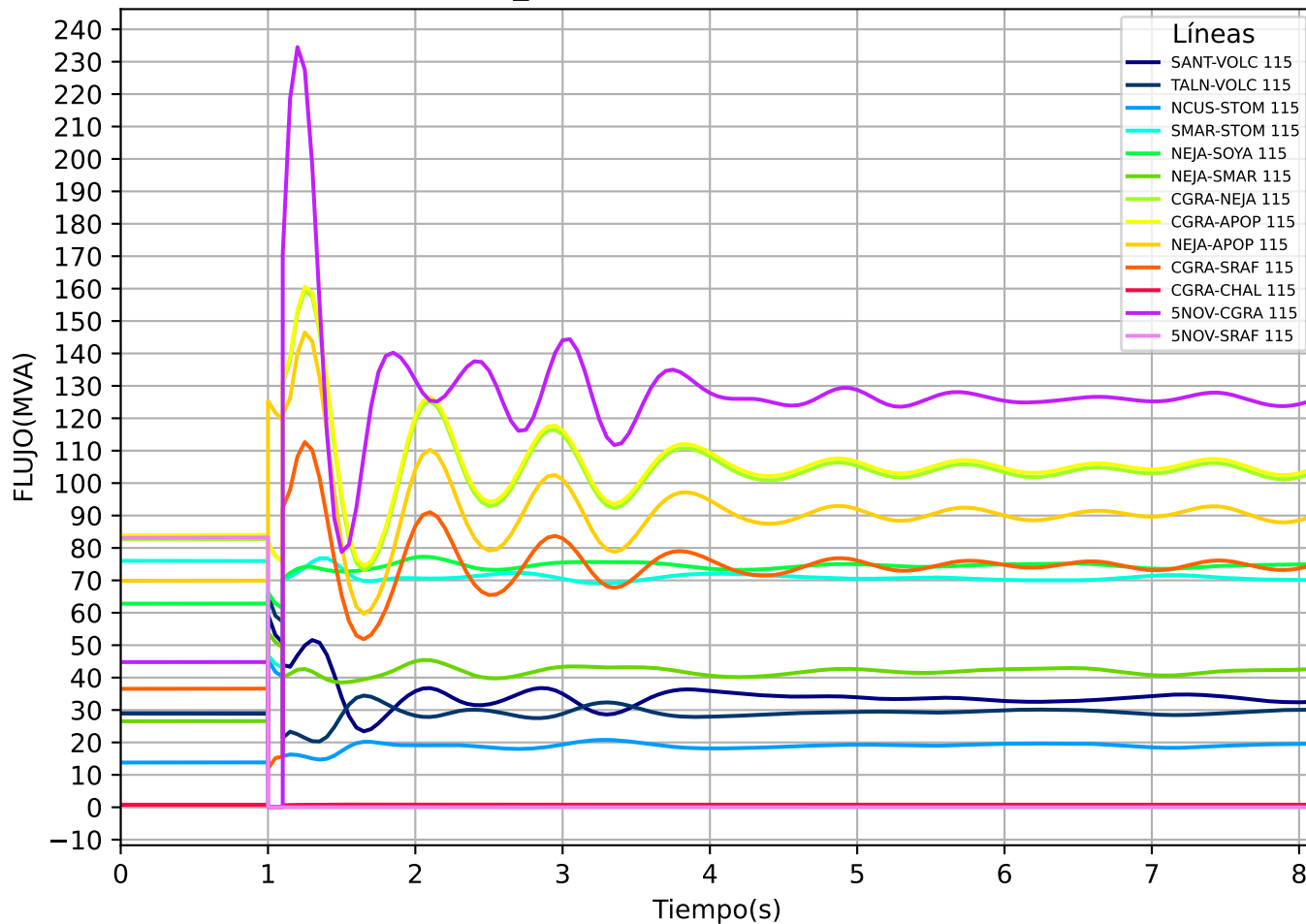
F28_5NOV-SRAF: VOLTAJE 3



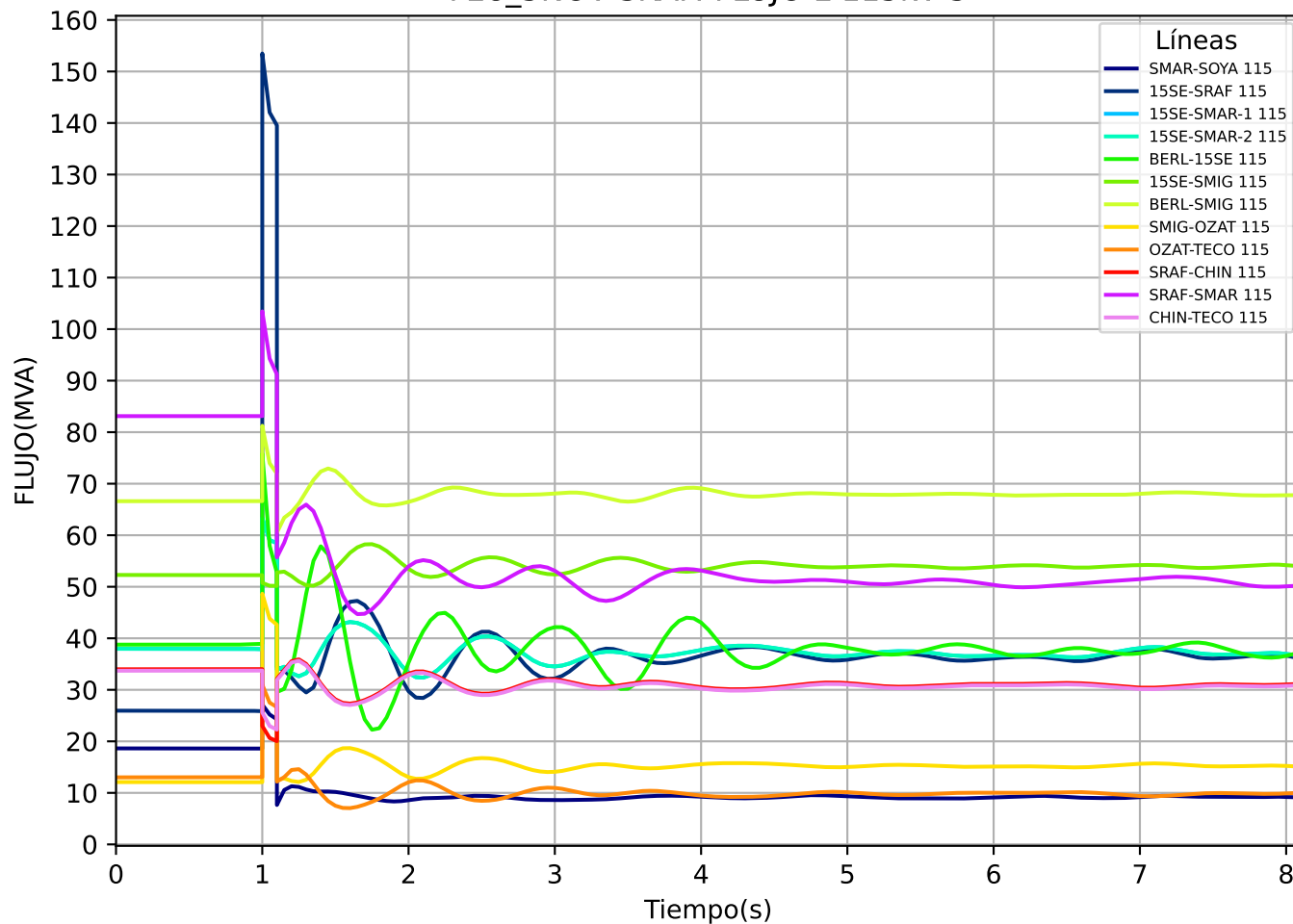
F28_5NOV-SRAF: FLUJO L-115kV 1



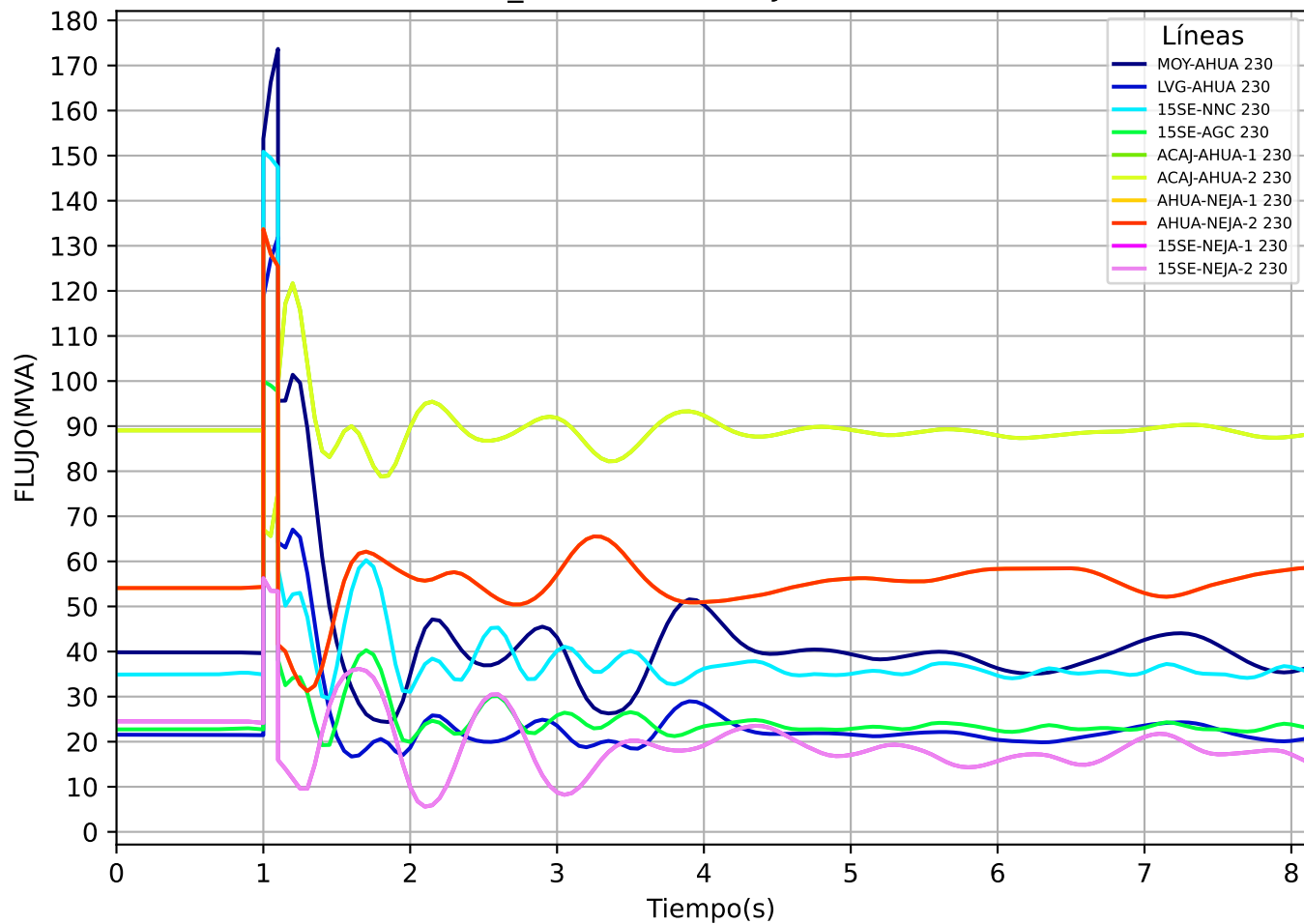
F28_5NOV-SRAF: FLUJO L-115kV 2



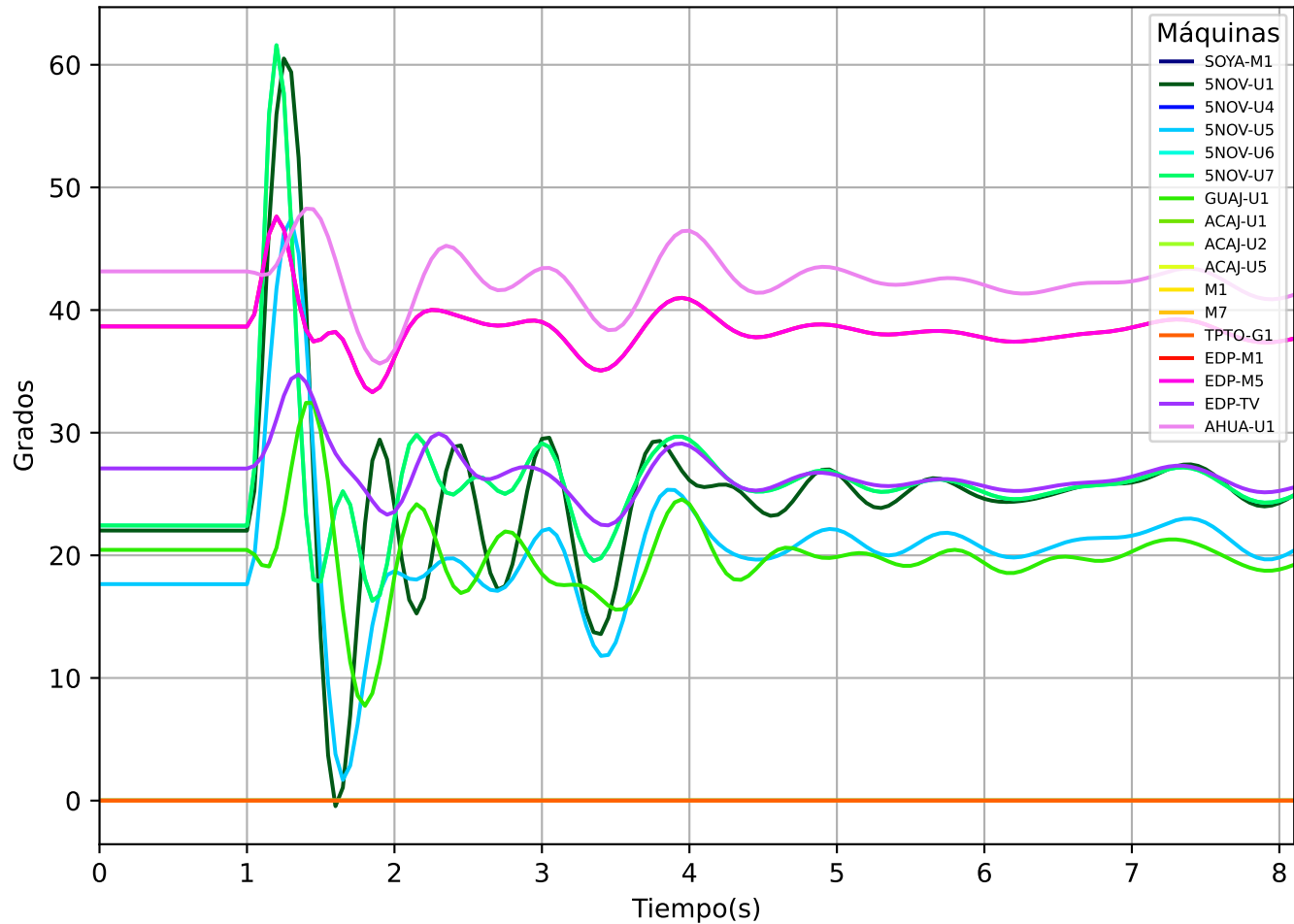
F28_5NOV-SRAF: FLUJO L-115kV 3



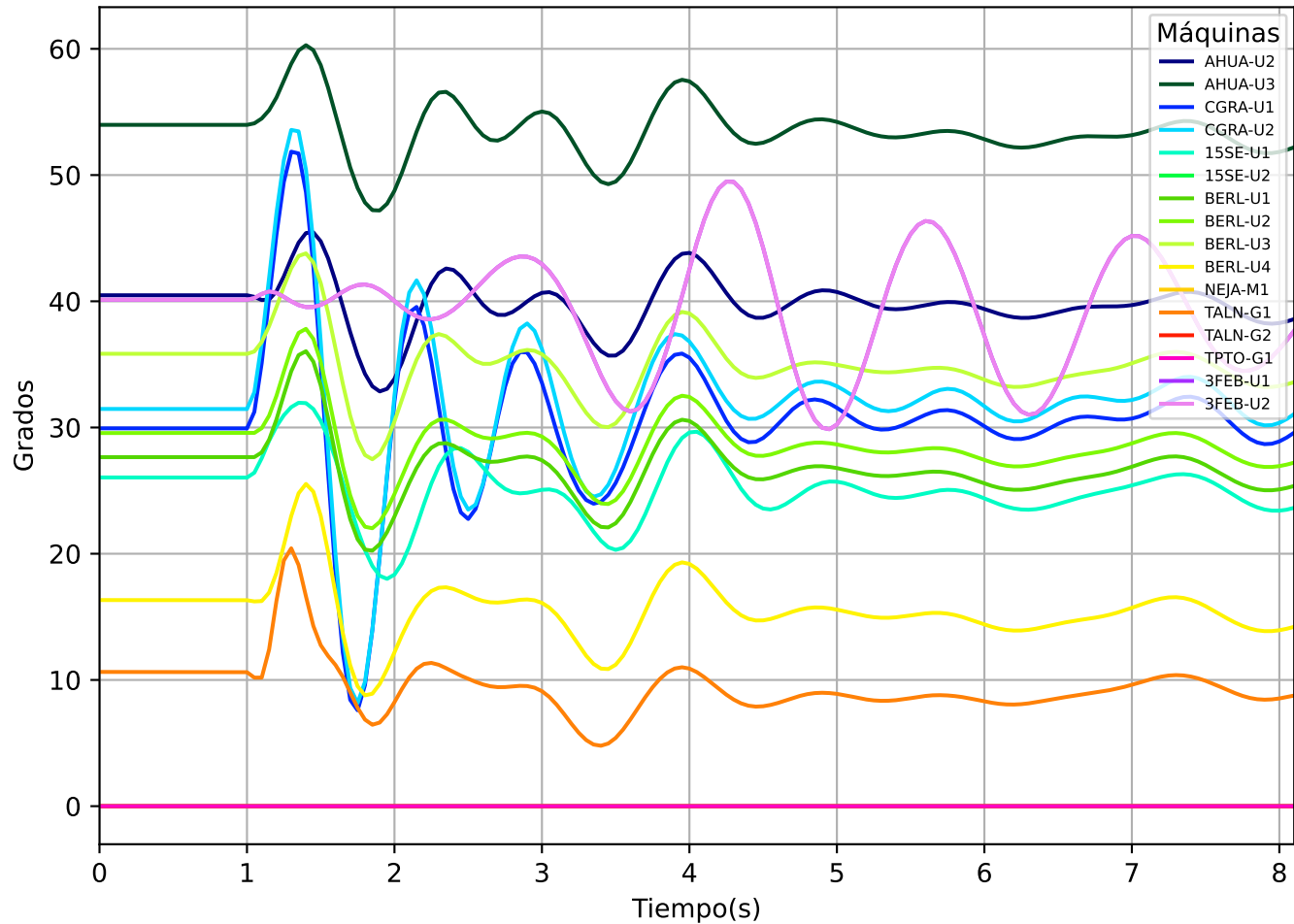
F28_5NOV-SRAF: FLUJO L-230kV 4



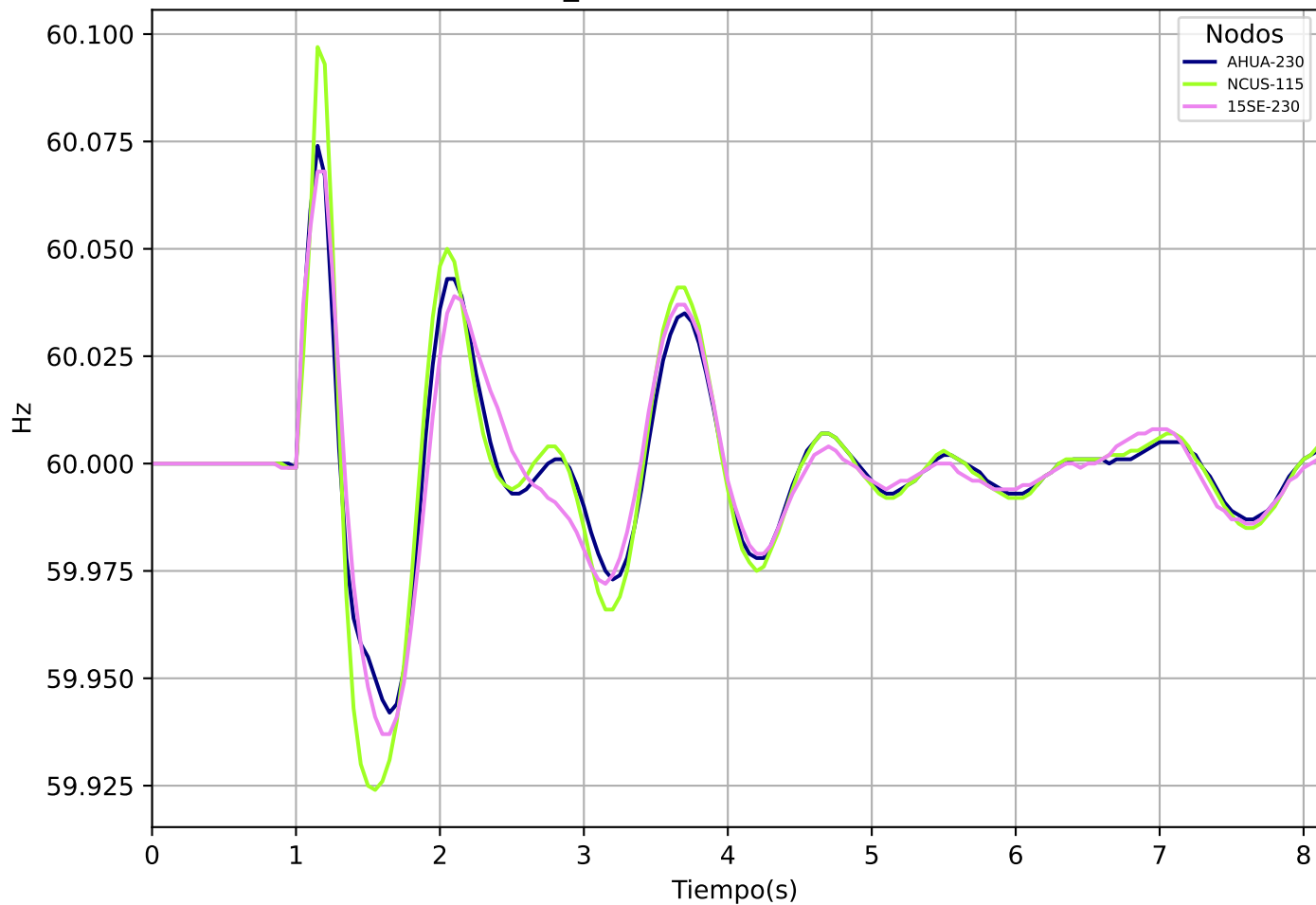
F28_5NOV-SRAF: ANGULO ROTOR 1



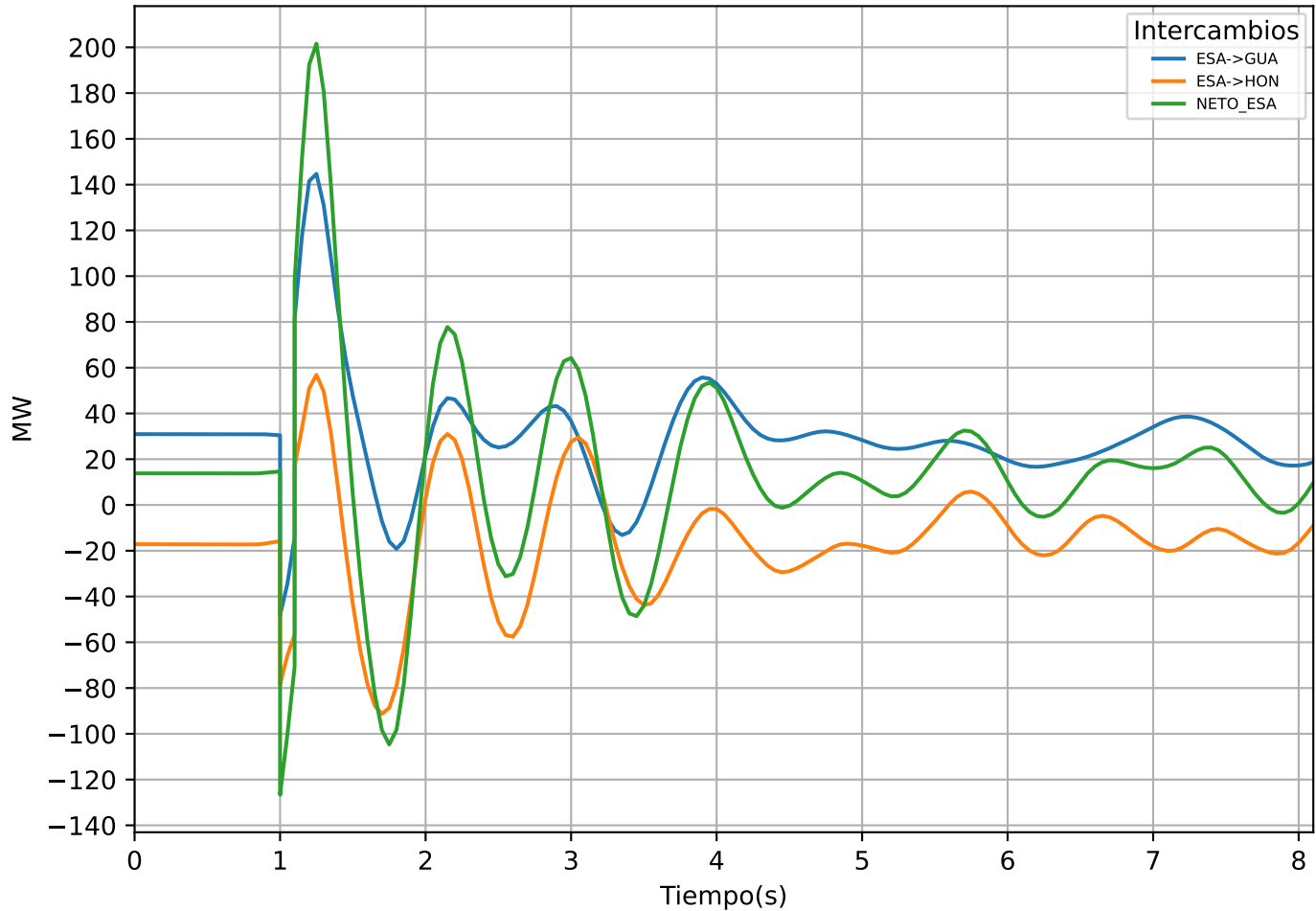
F28_5NOV-SRAF: ANGULO ROTOR 2



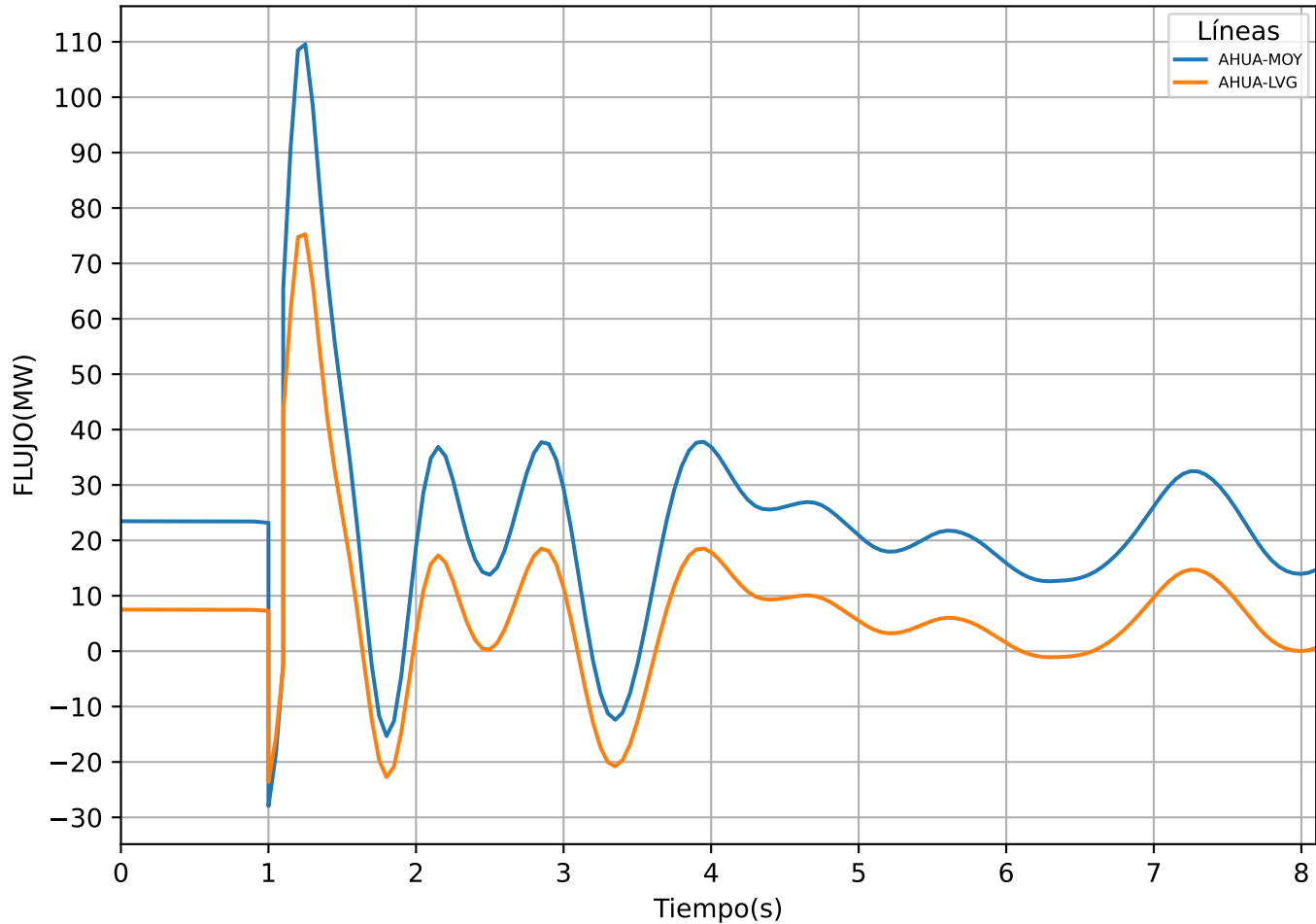
F28_5NOV-SRAF: FRECUENCIA



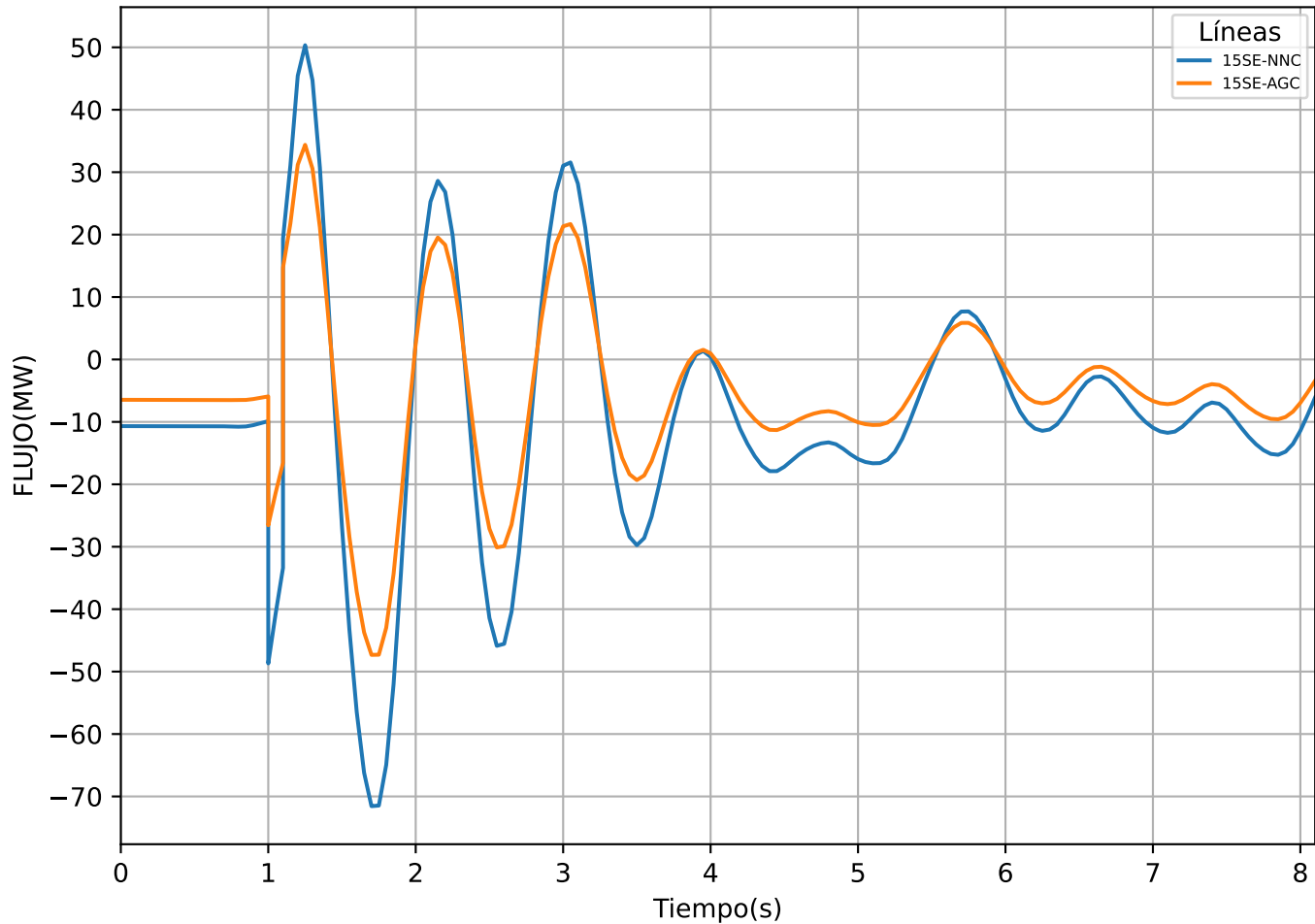
F28_5NOV-SRAF: Intercambios ESA



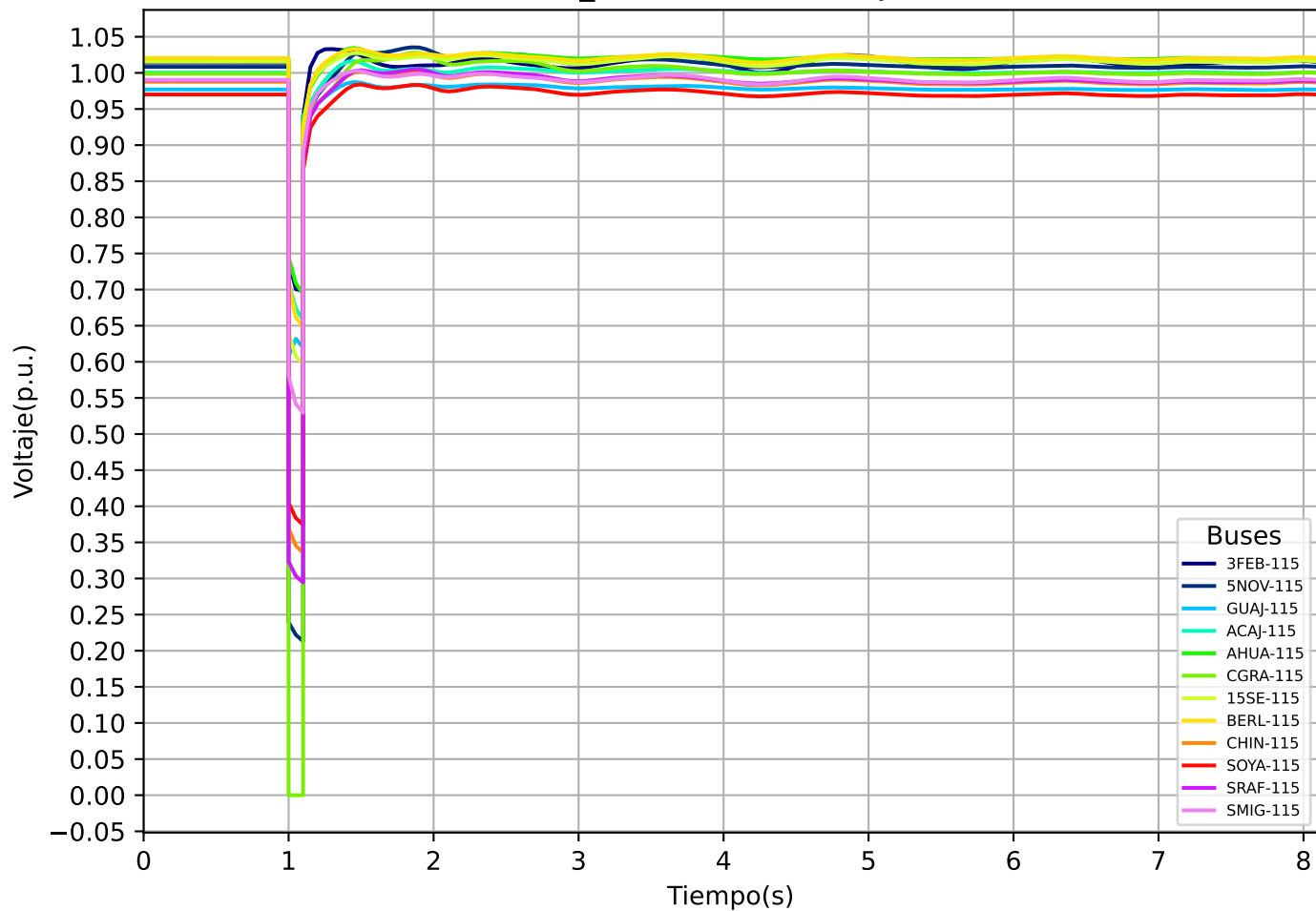
F29_CGRA-SRAF: FLUJO INTERCONEXIONES ESA-GUA



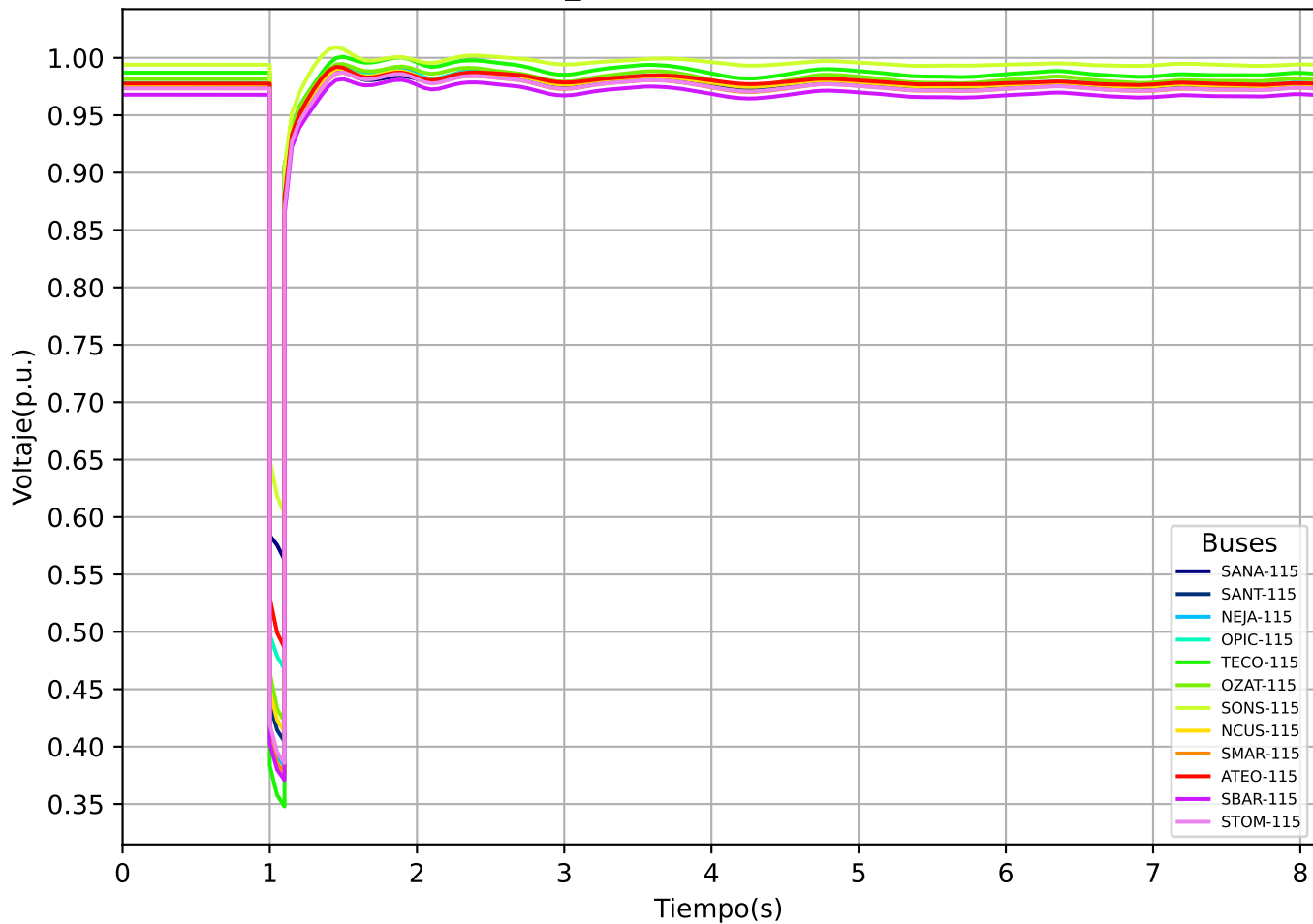
F29_CGRA-SRAF: FLUJO INTERCONEXIONES ESA-HON



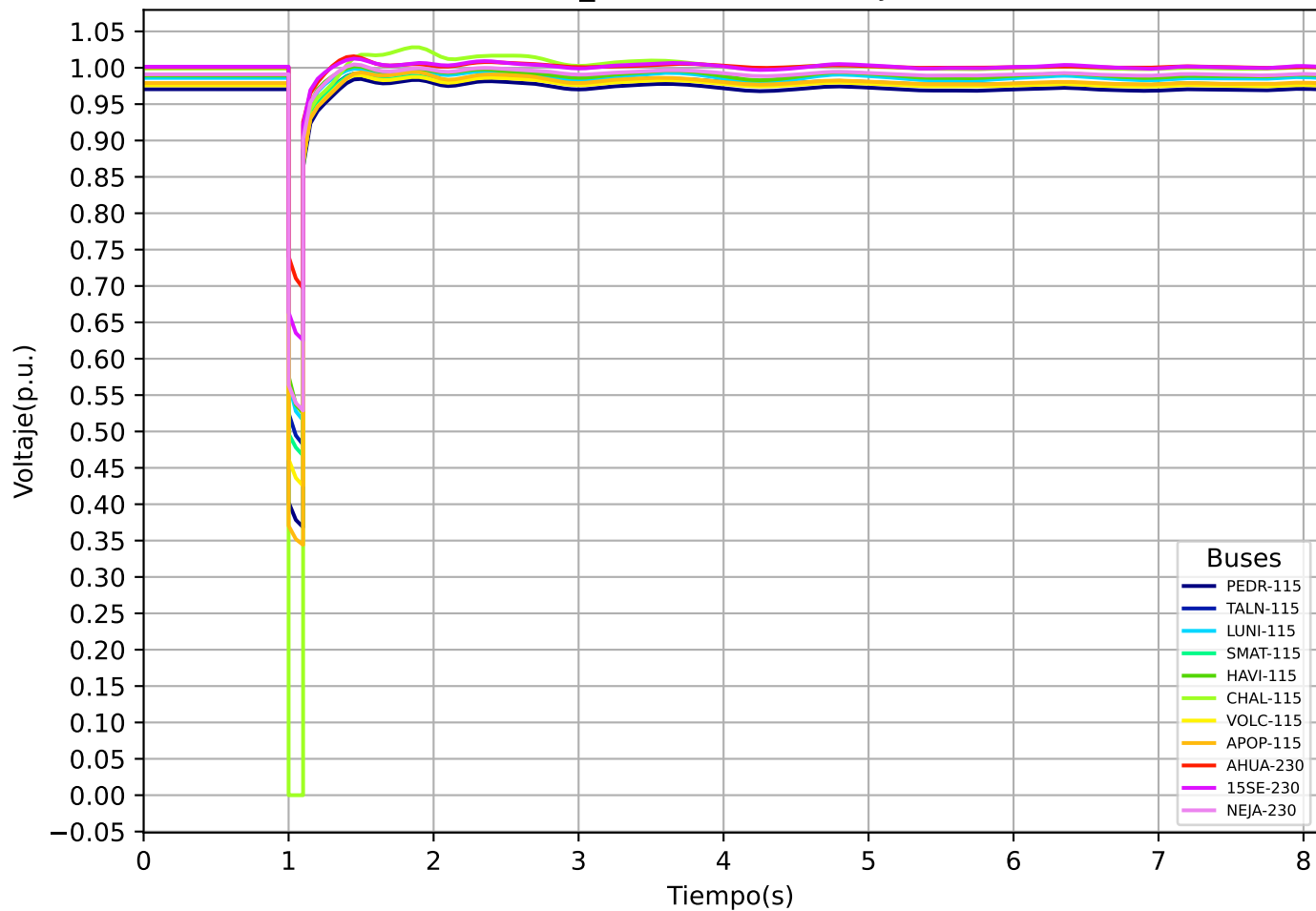
F29_CGRA-SRAF: VOLTAJE 1



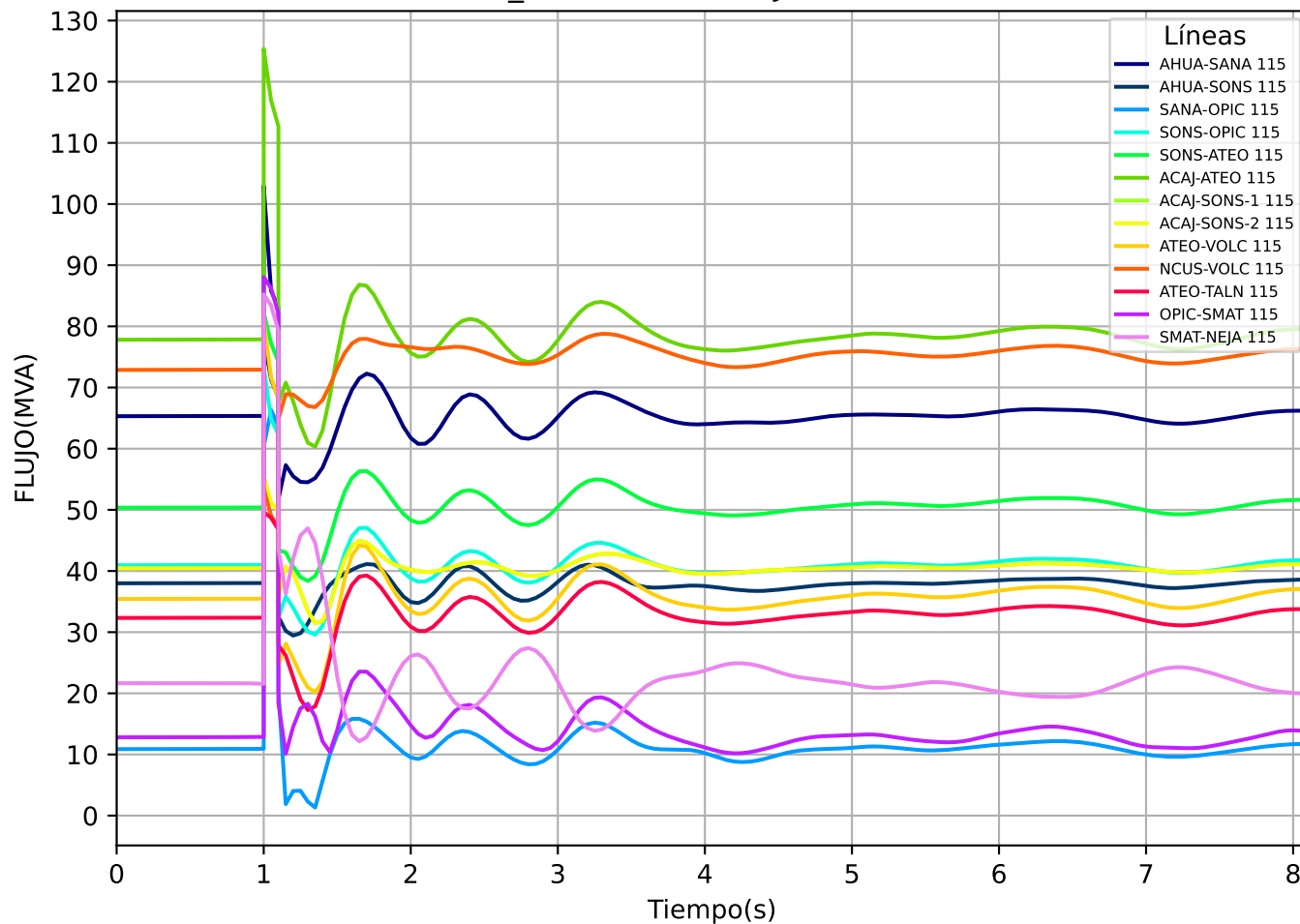
F29_CGRA-SRAF: VOLTAJE 2



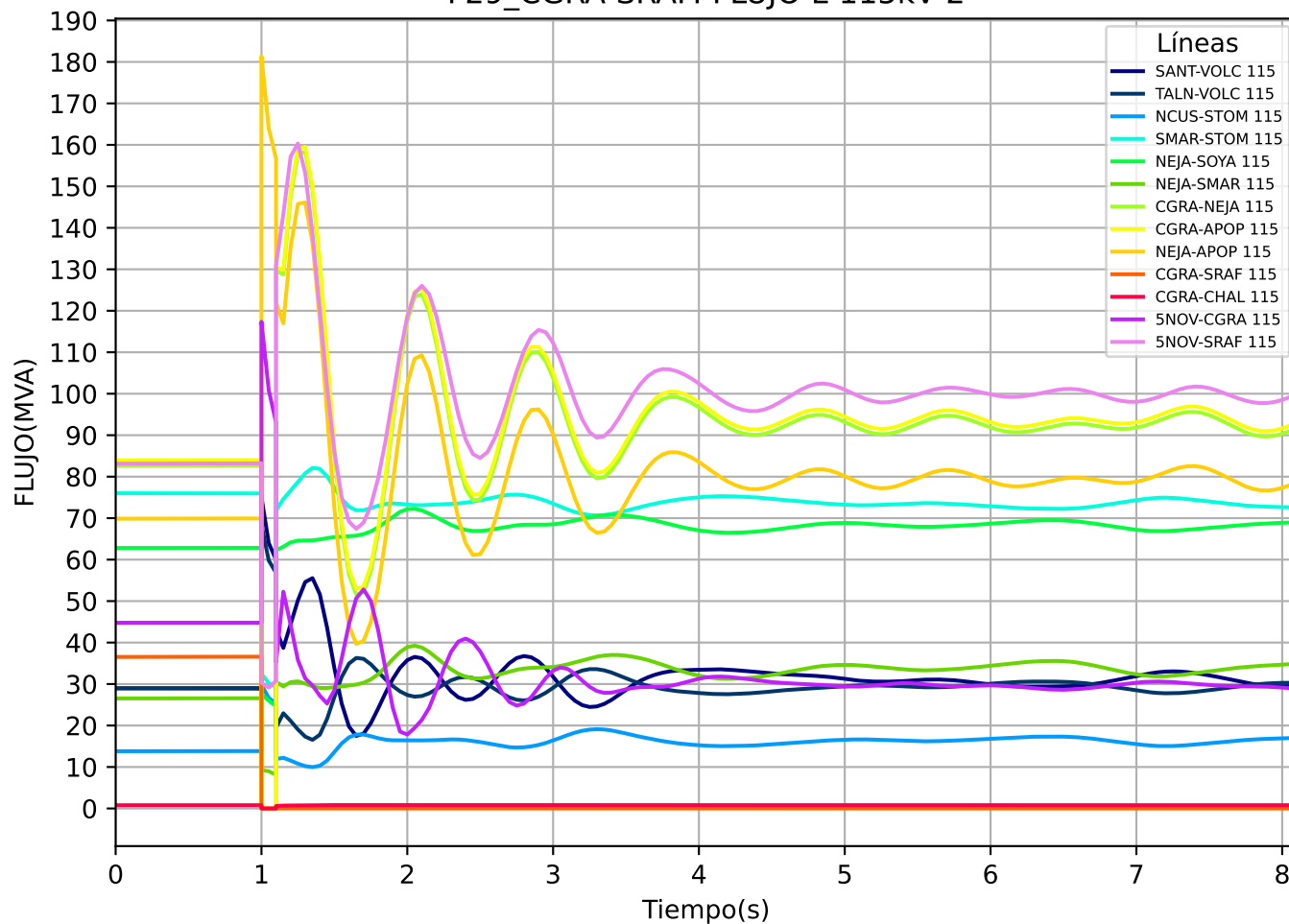
F29_CGRA-SRAF: VOLTAJE 3



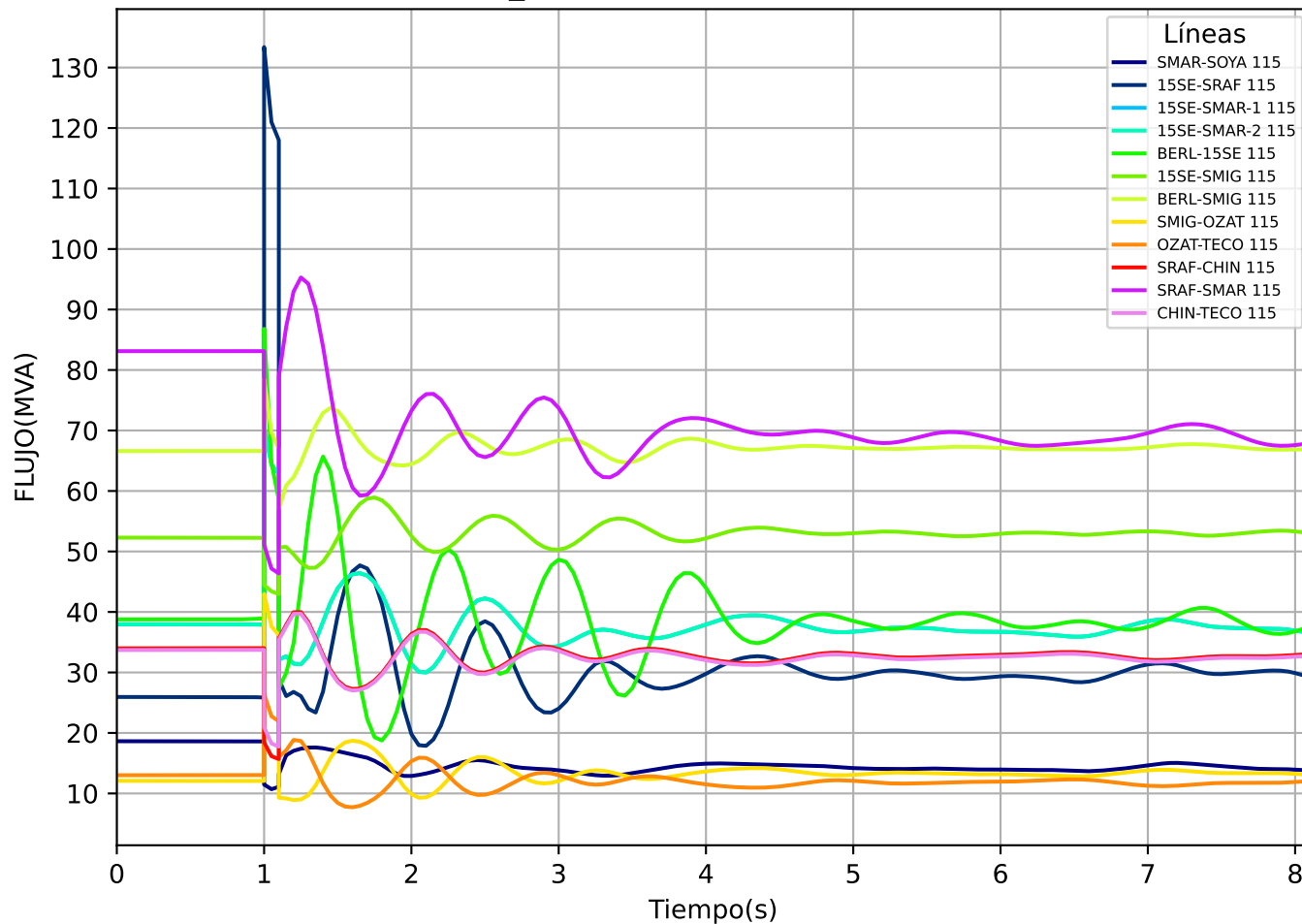
F29_CGRA-SRAF: FLUJO L-115kV 1



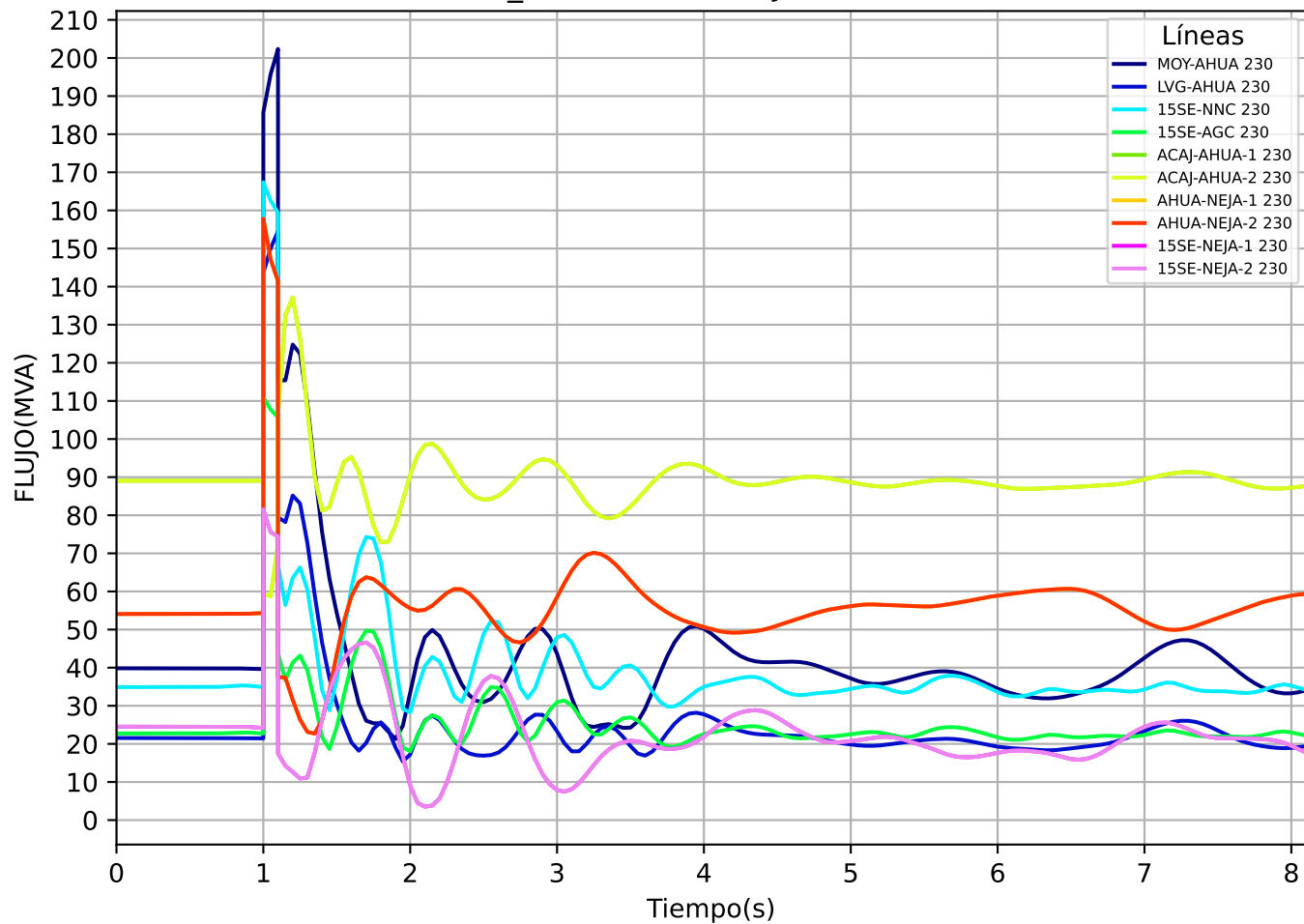
F29_CGRA-SRAF: FLUJO L-115kV 2



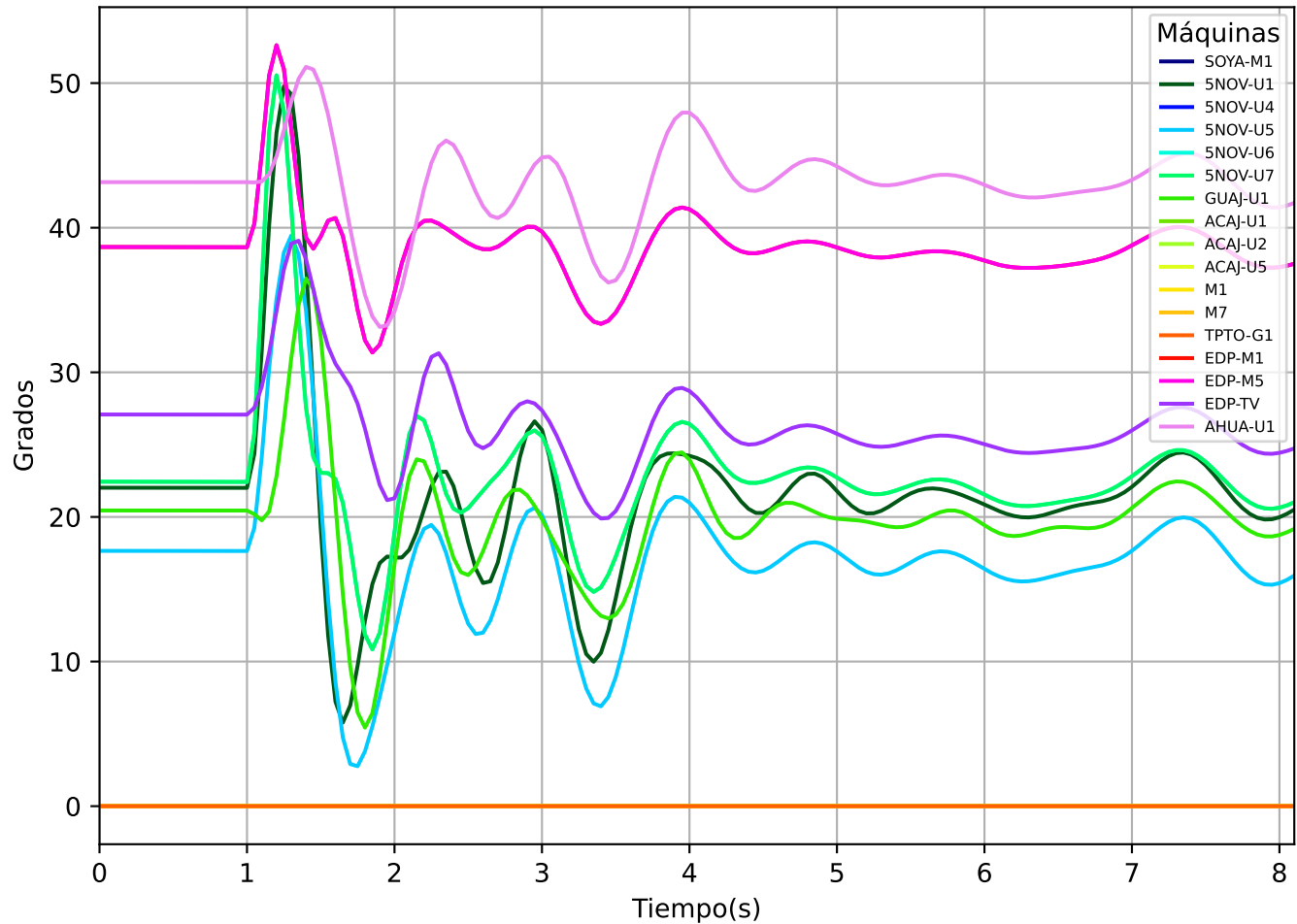
F29_CGRA-SRAF: FLUJO L-115kV 3



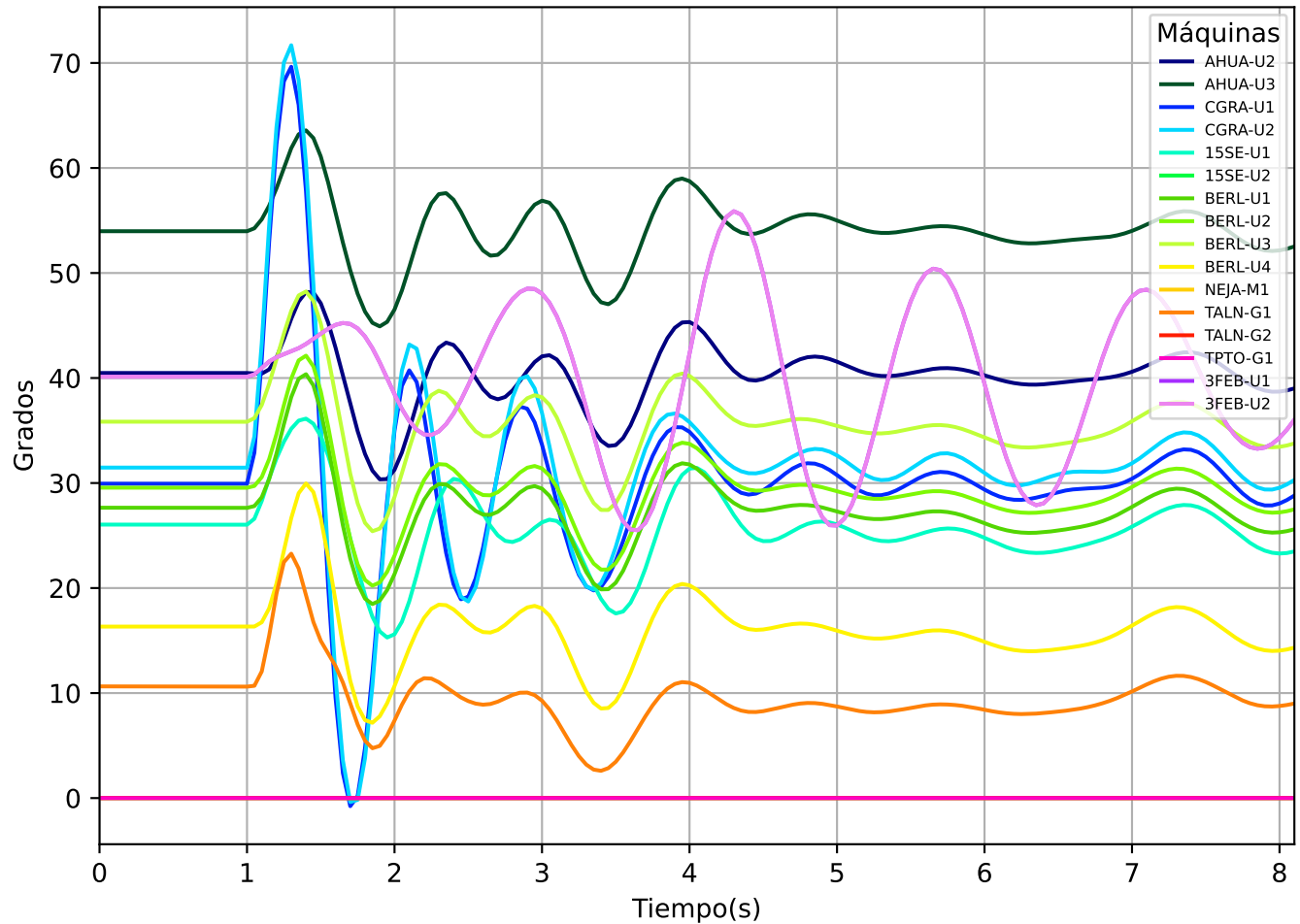
F29_CGRA-SRAF: FLUJO L-230kV 4



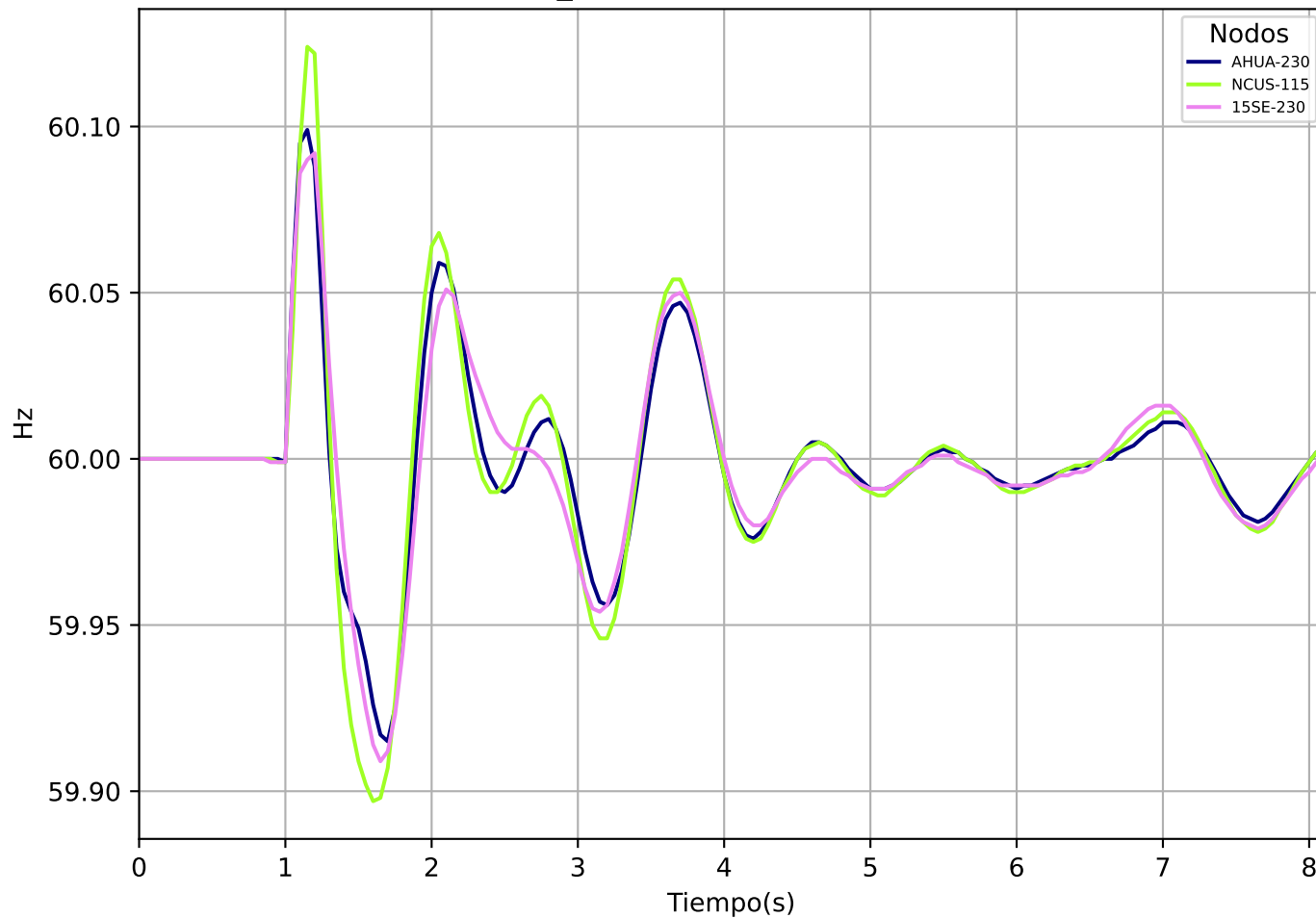
F29_CGRA-SRAF: ANGULO ROTOR 1



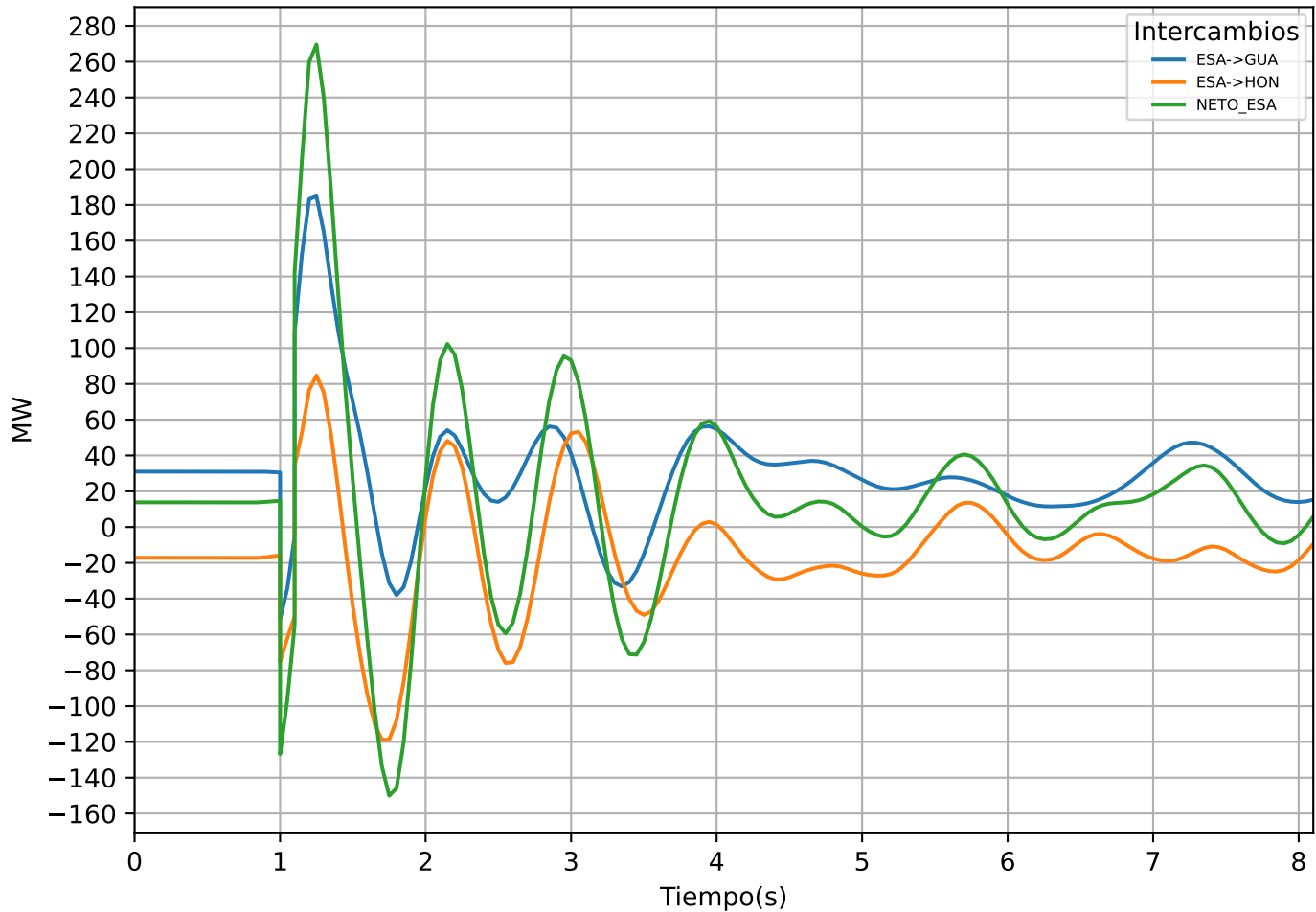
F29_CGRA-SRAF: ANGULO ROTOR 2



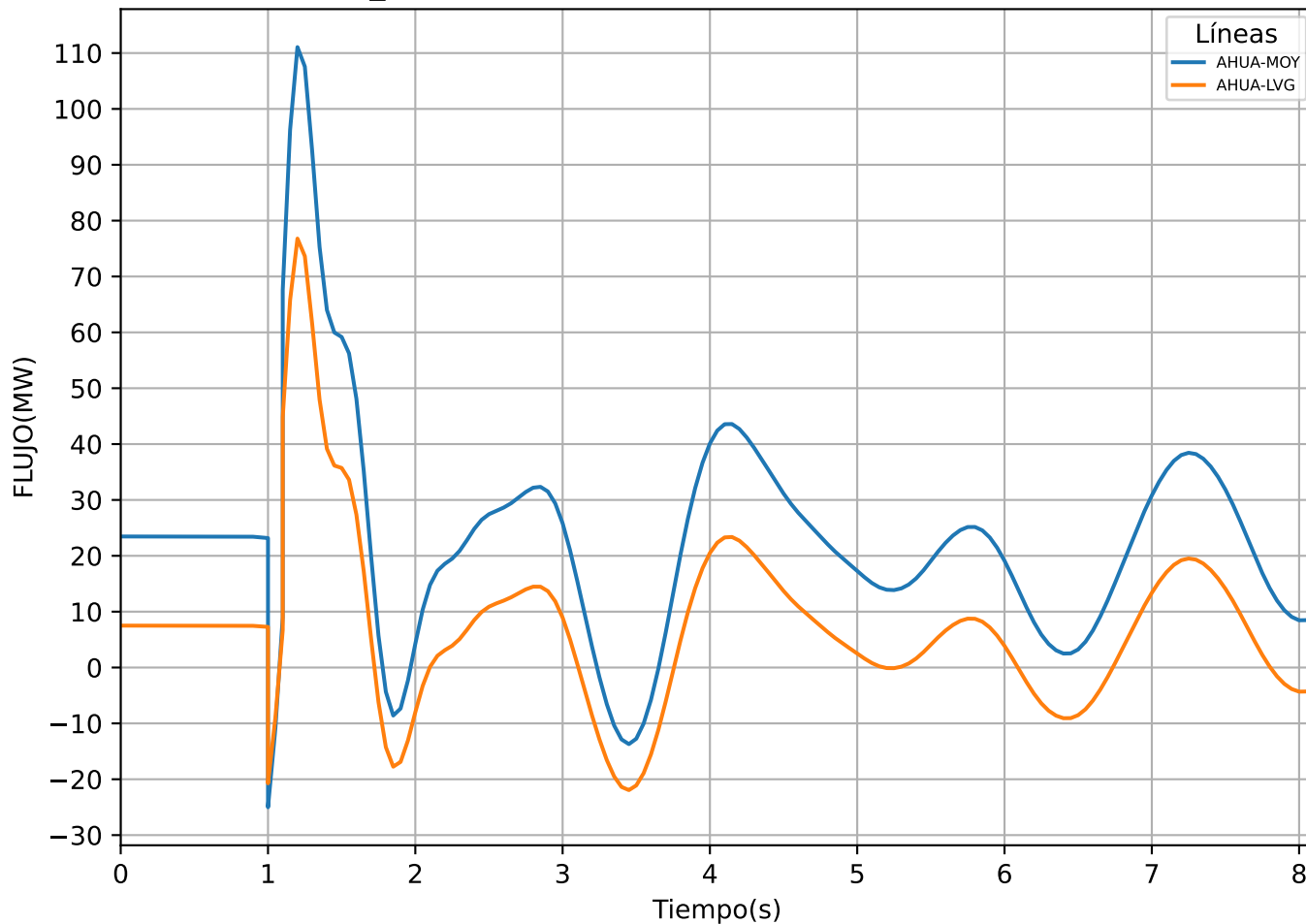
F29_CGRA-SRAF: FRECUENCIA



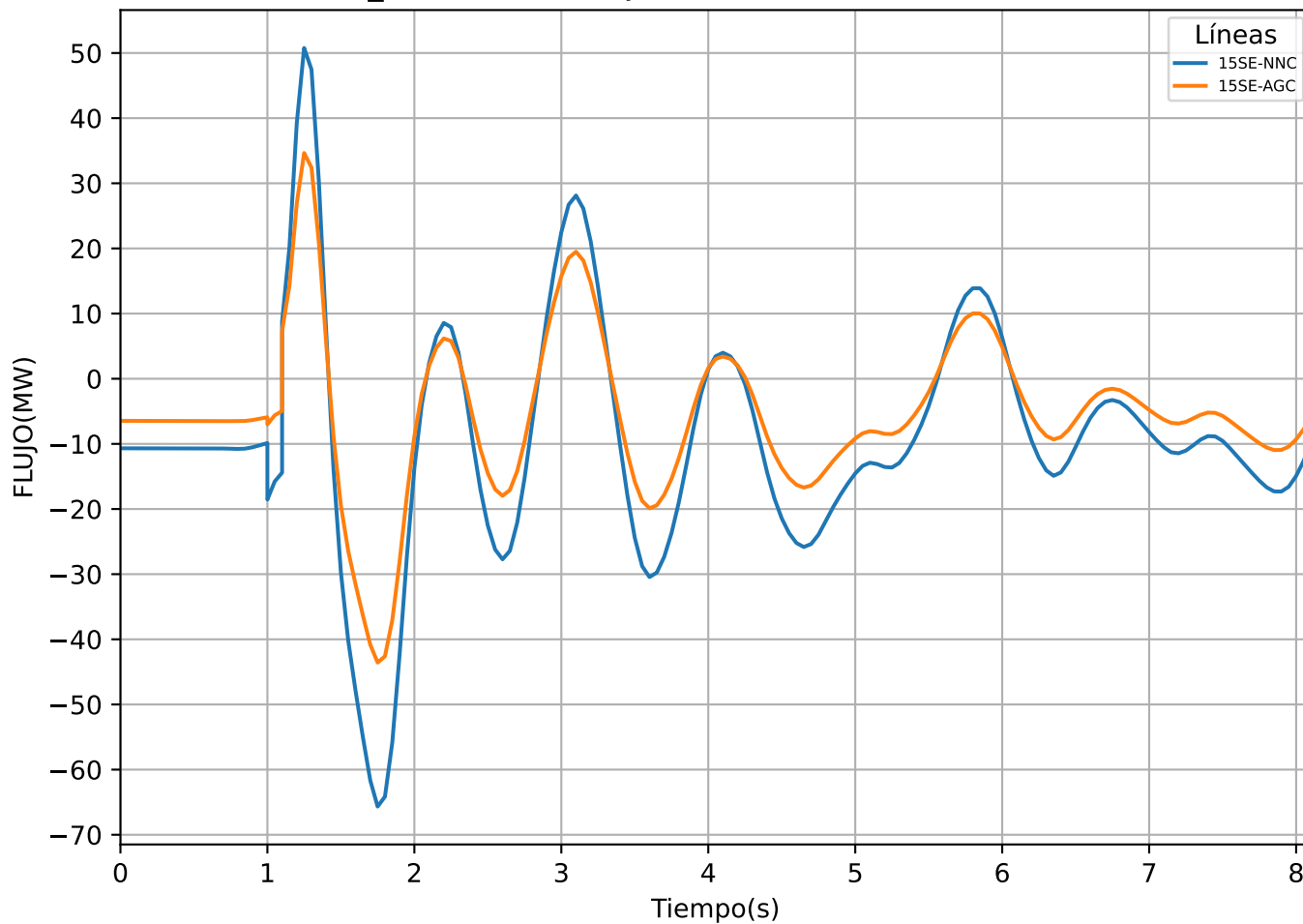
F29_CGRA-SRAF: Intercambios ESA



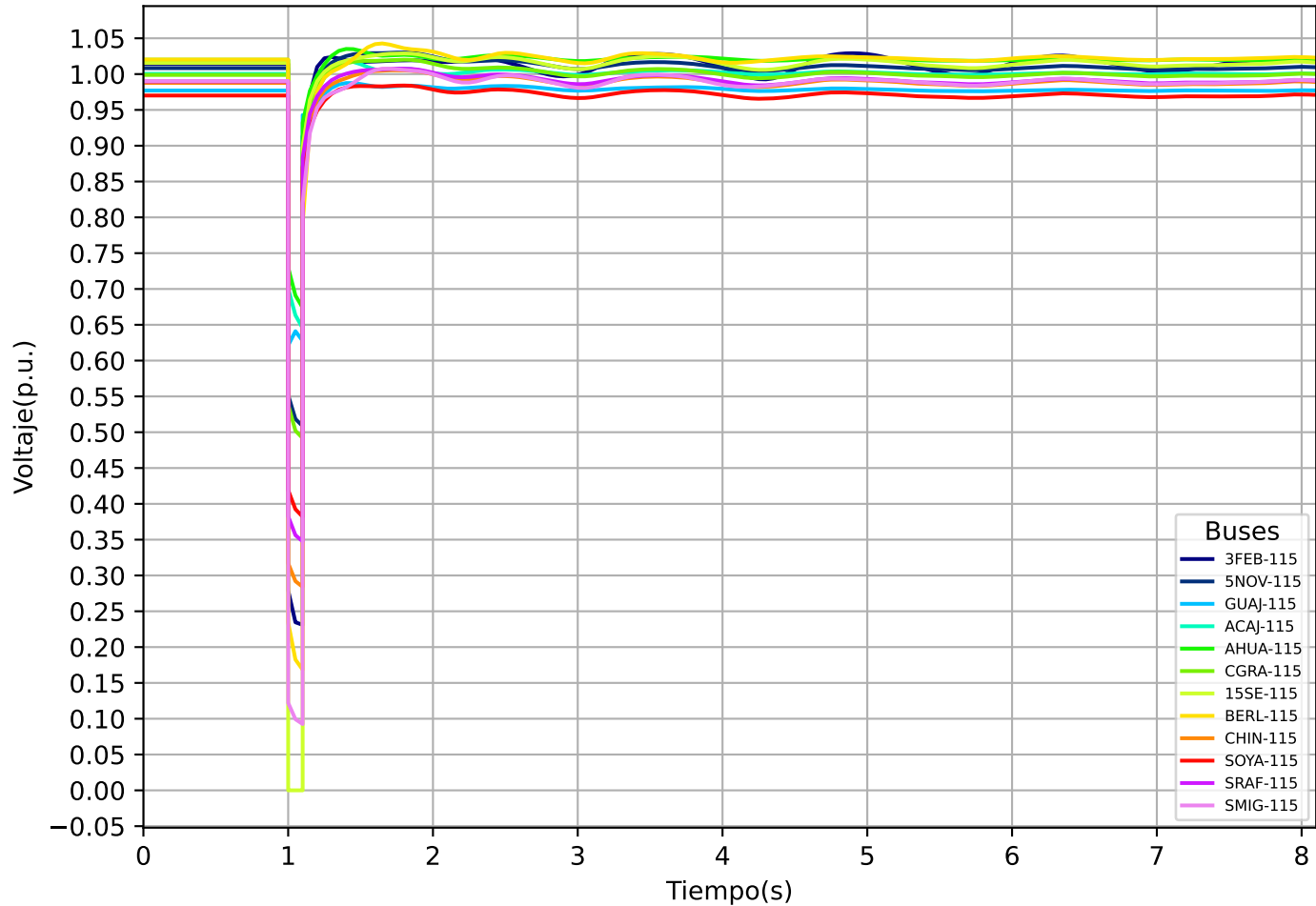
F30_15SE-BERL: FLUJO INTERCONEXIONES ESA-GUA



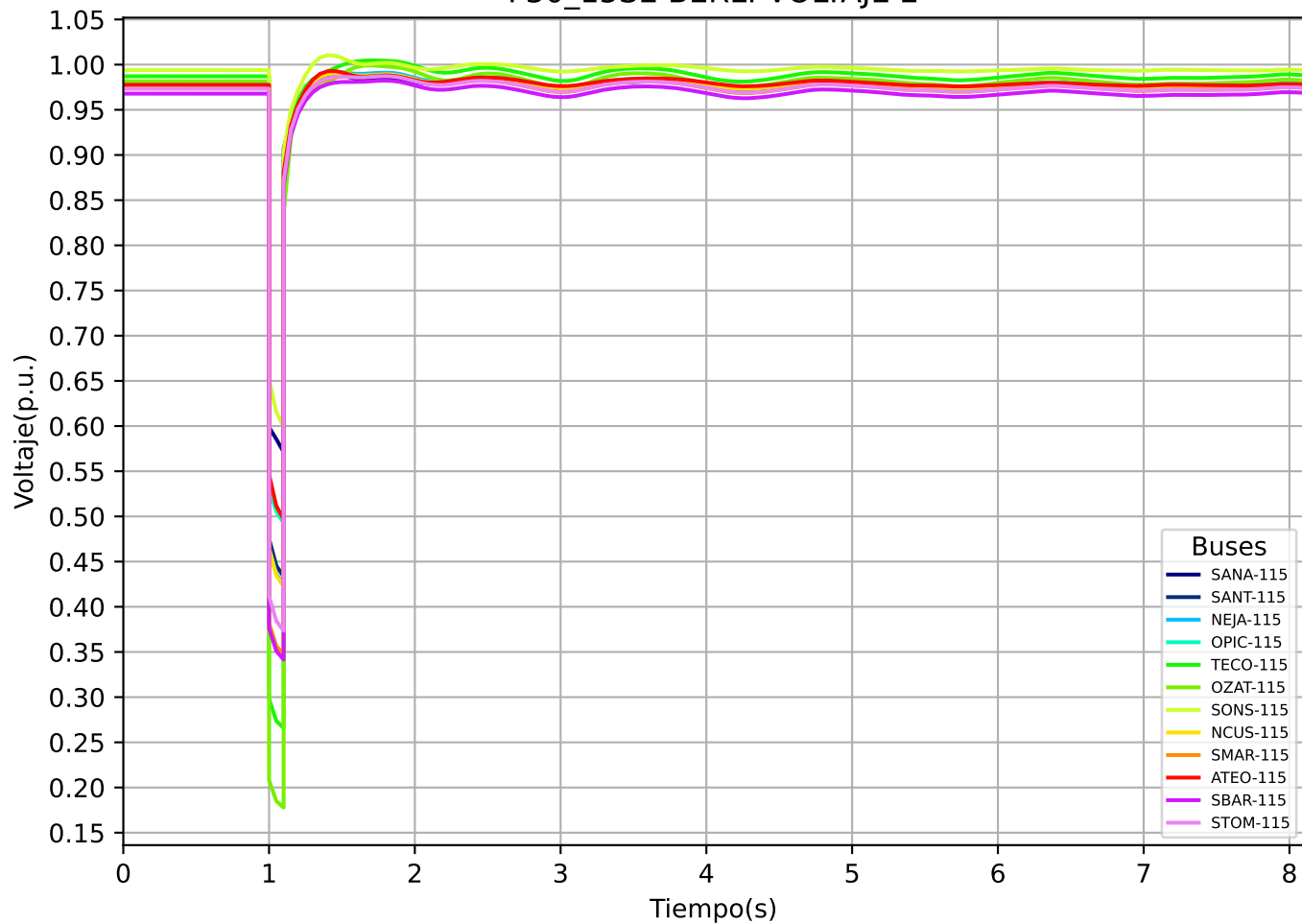
F30_15SE-BERL: FLUJO INTERCONEXIONES ESA-HON



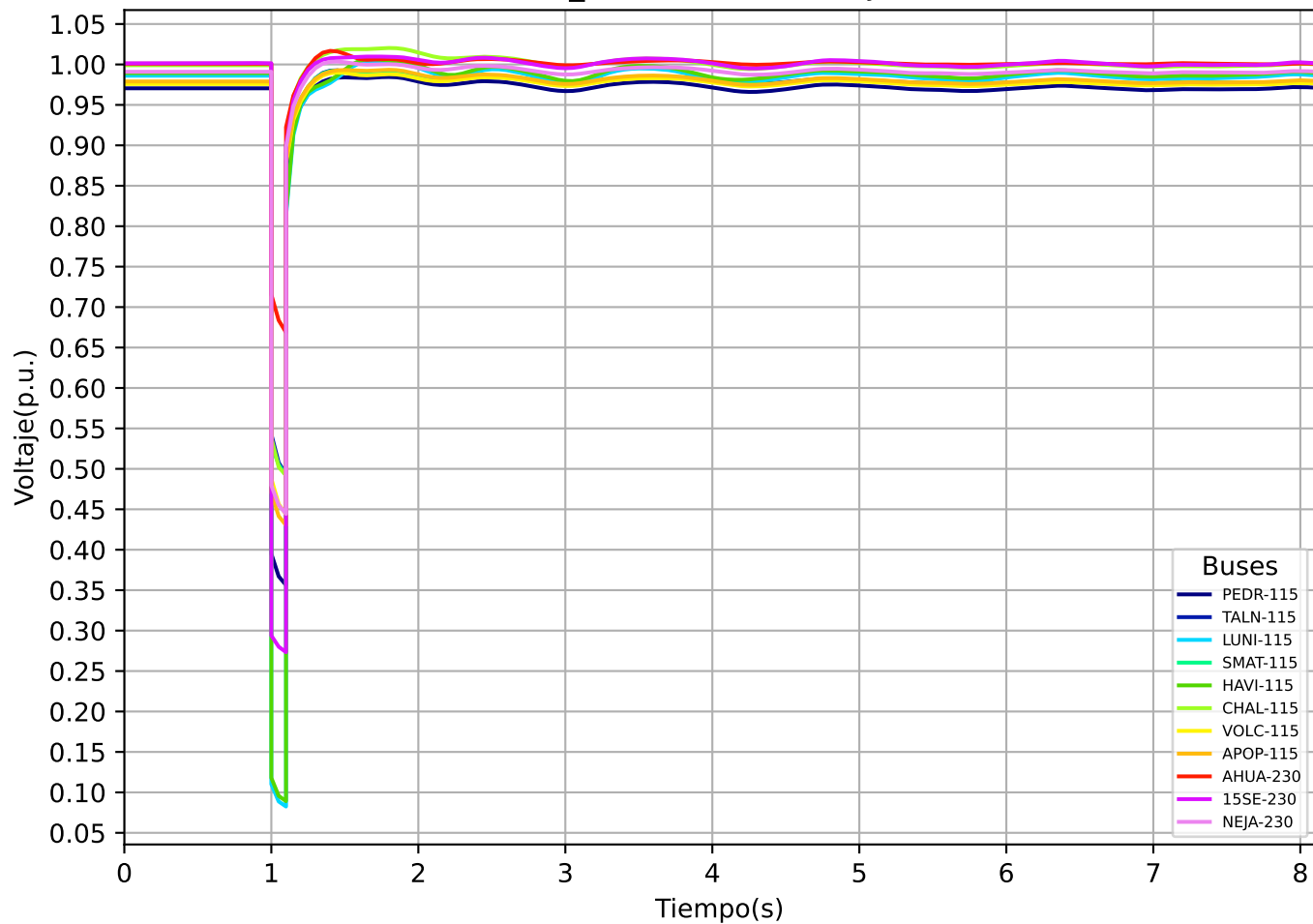
F30_15SE-BERL: VOLTAJE 1



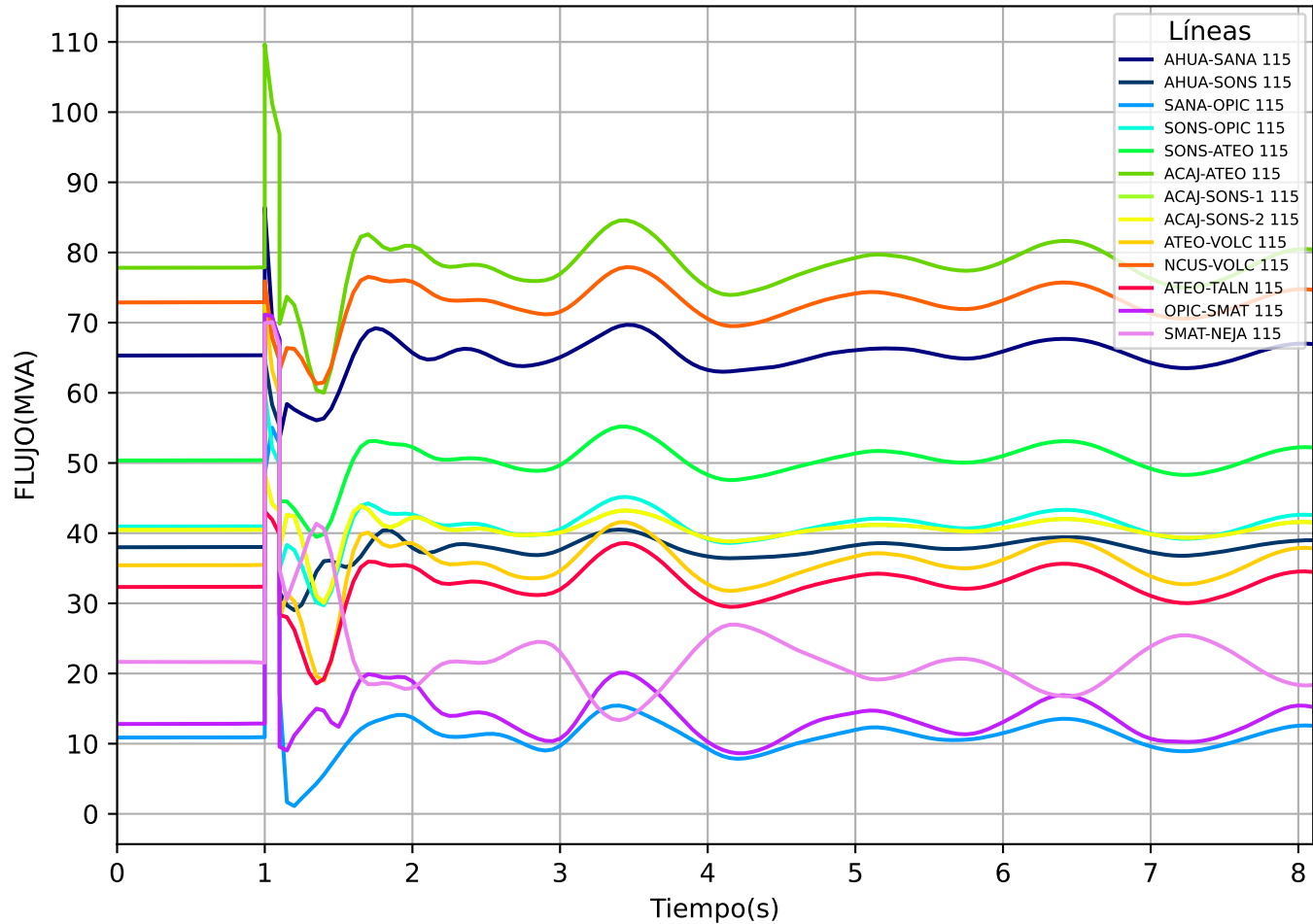
F30_15SE-BERL: VOLTAJE 2



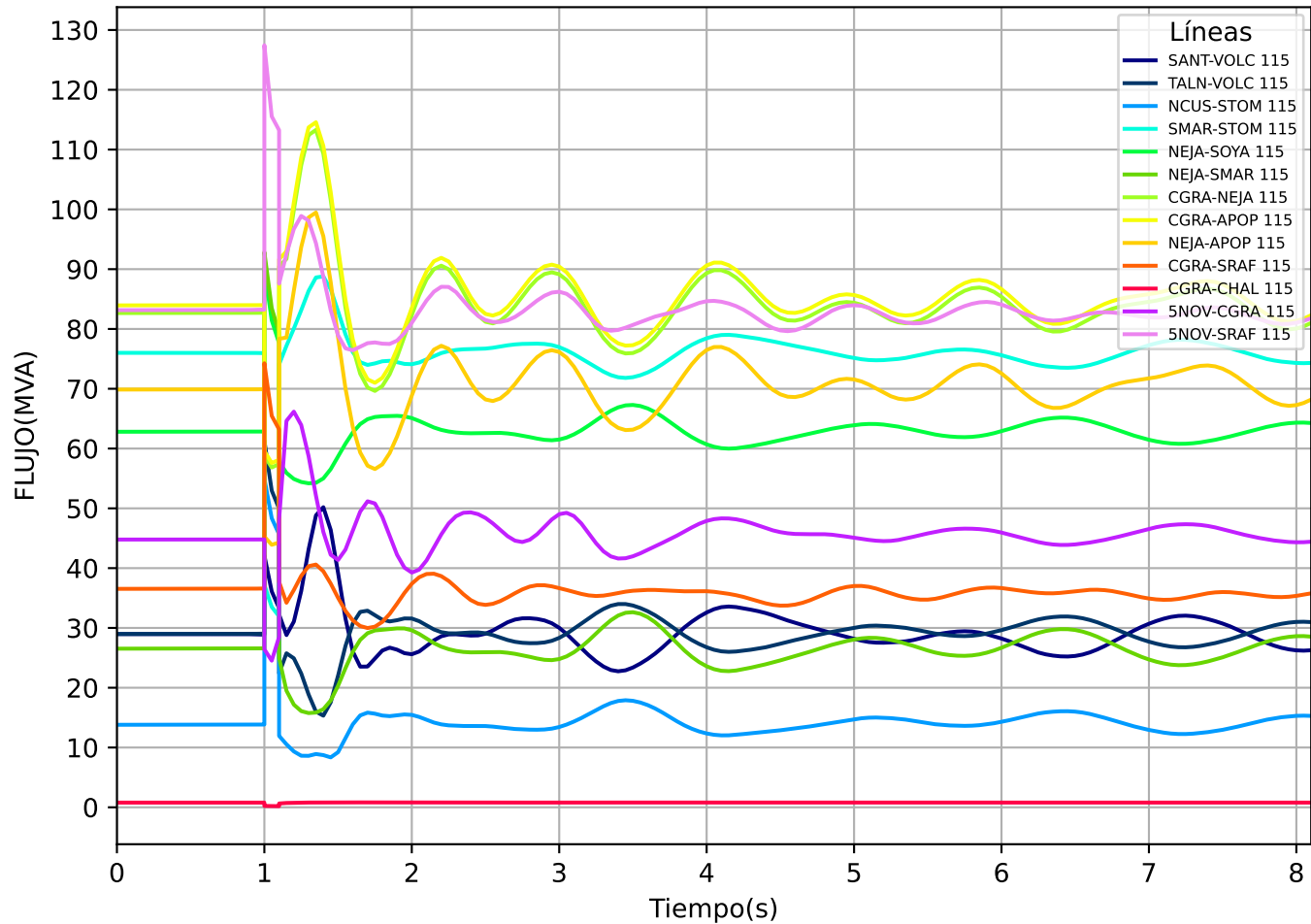
F30_15SE-BERL: VOLTAJE 3



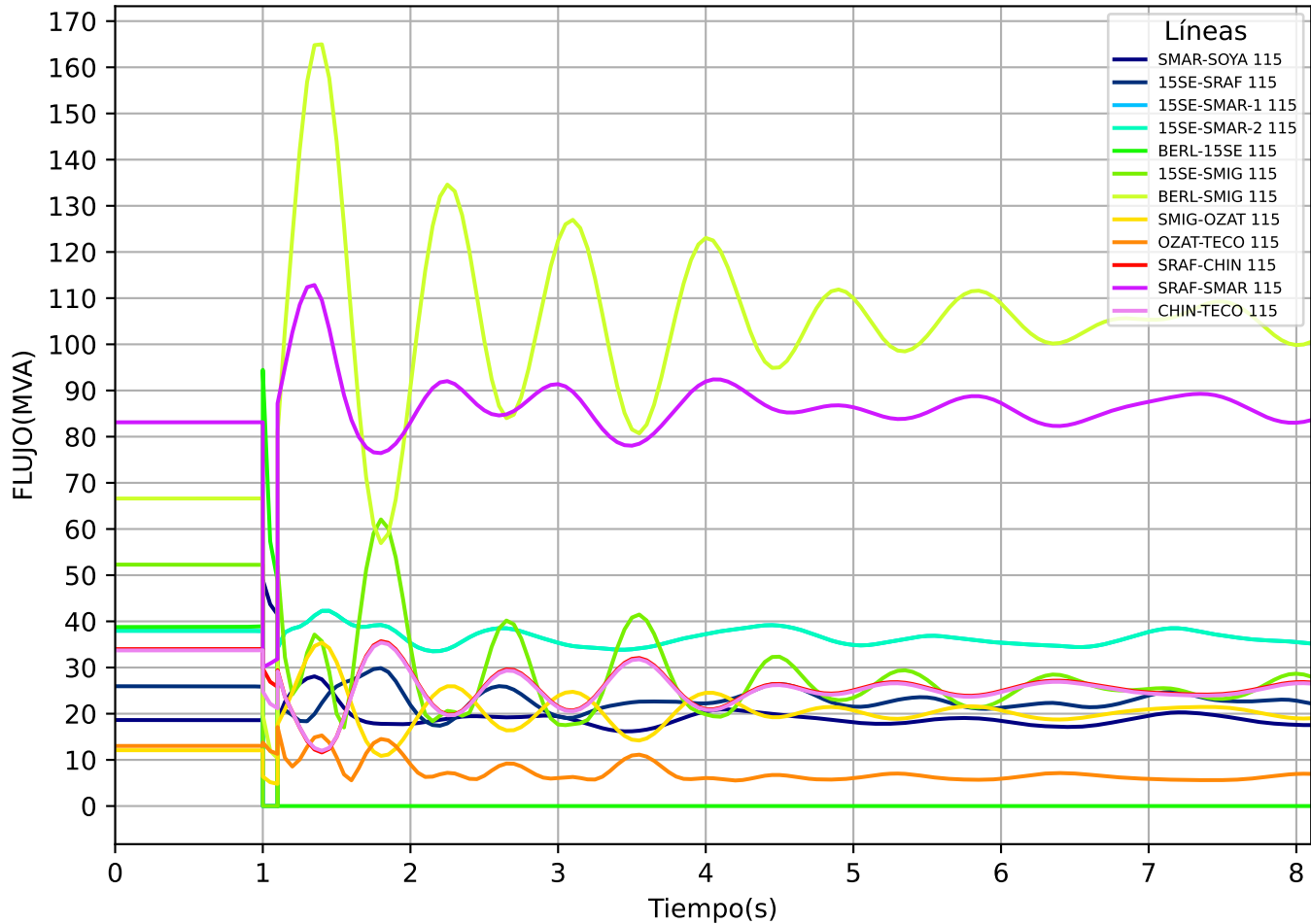
F30_15SE-BERL: FLUJO L-115kV 1



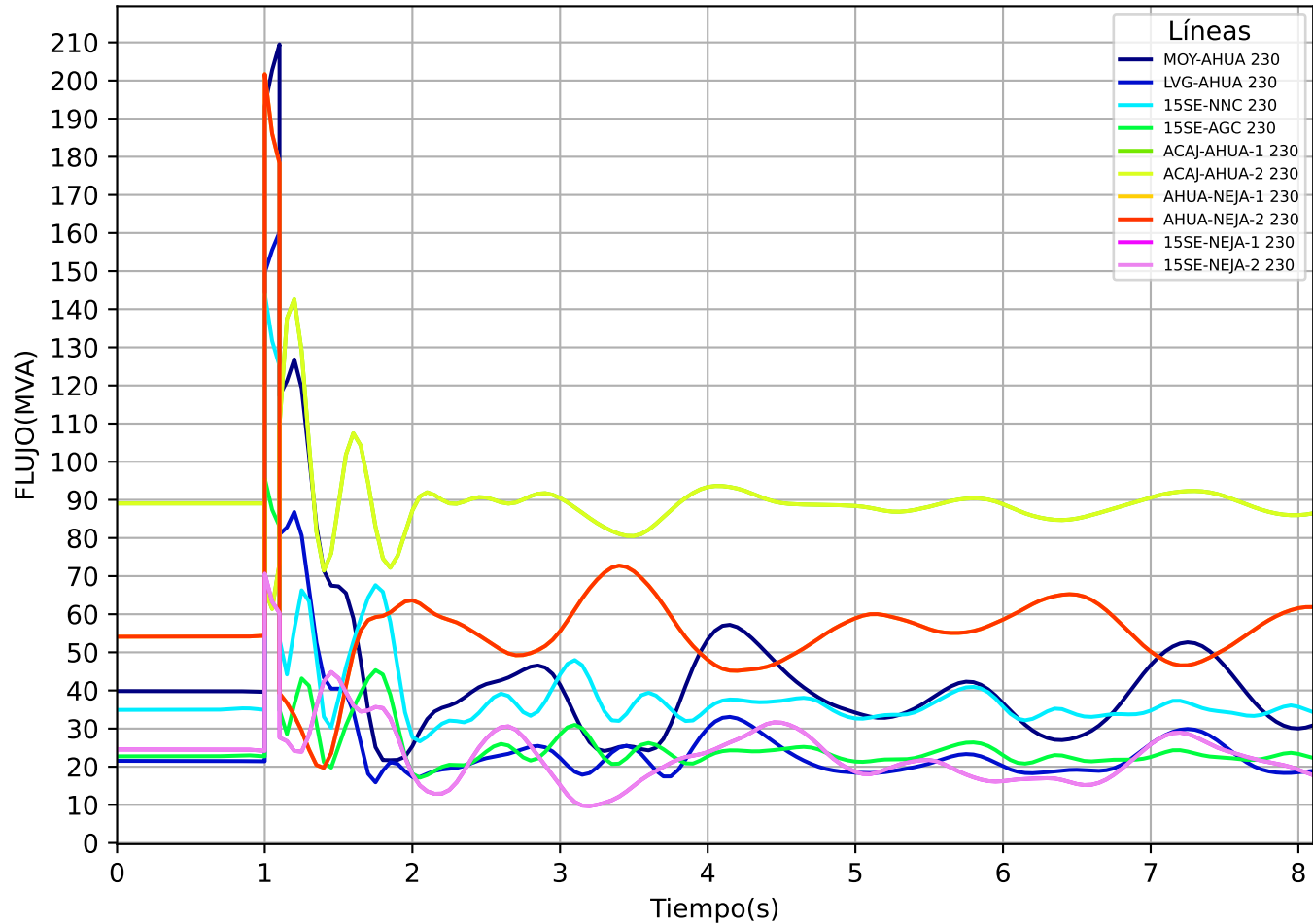
F30_15SE-BERL: FLUJO L-115kV 2



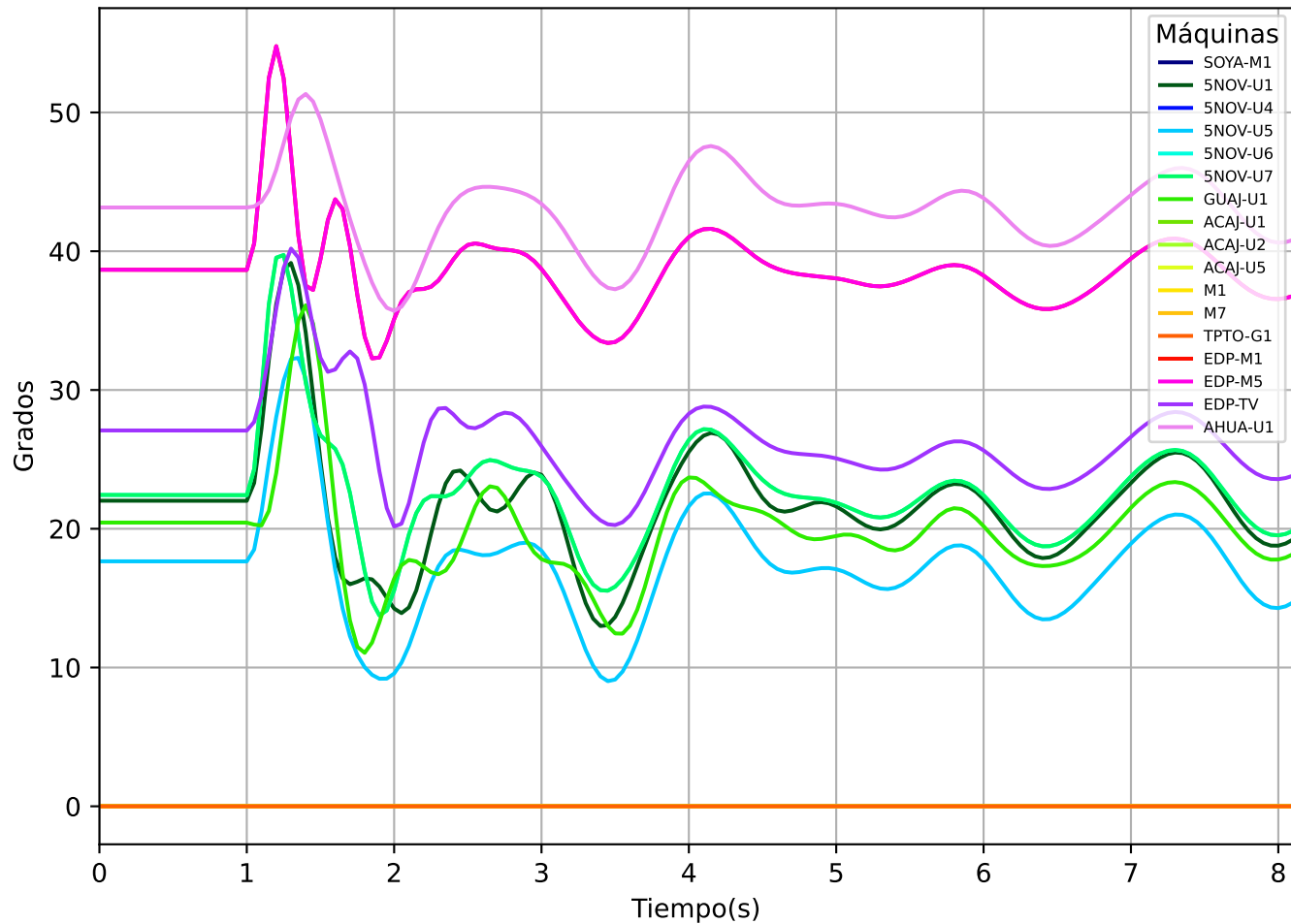
F30_15SE-BERL: FLUJO L-115kV 3



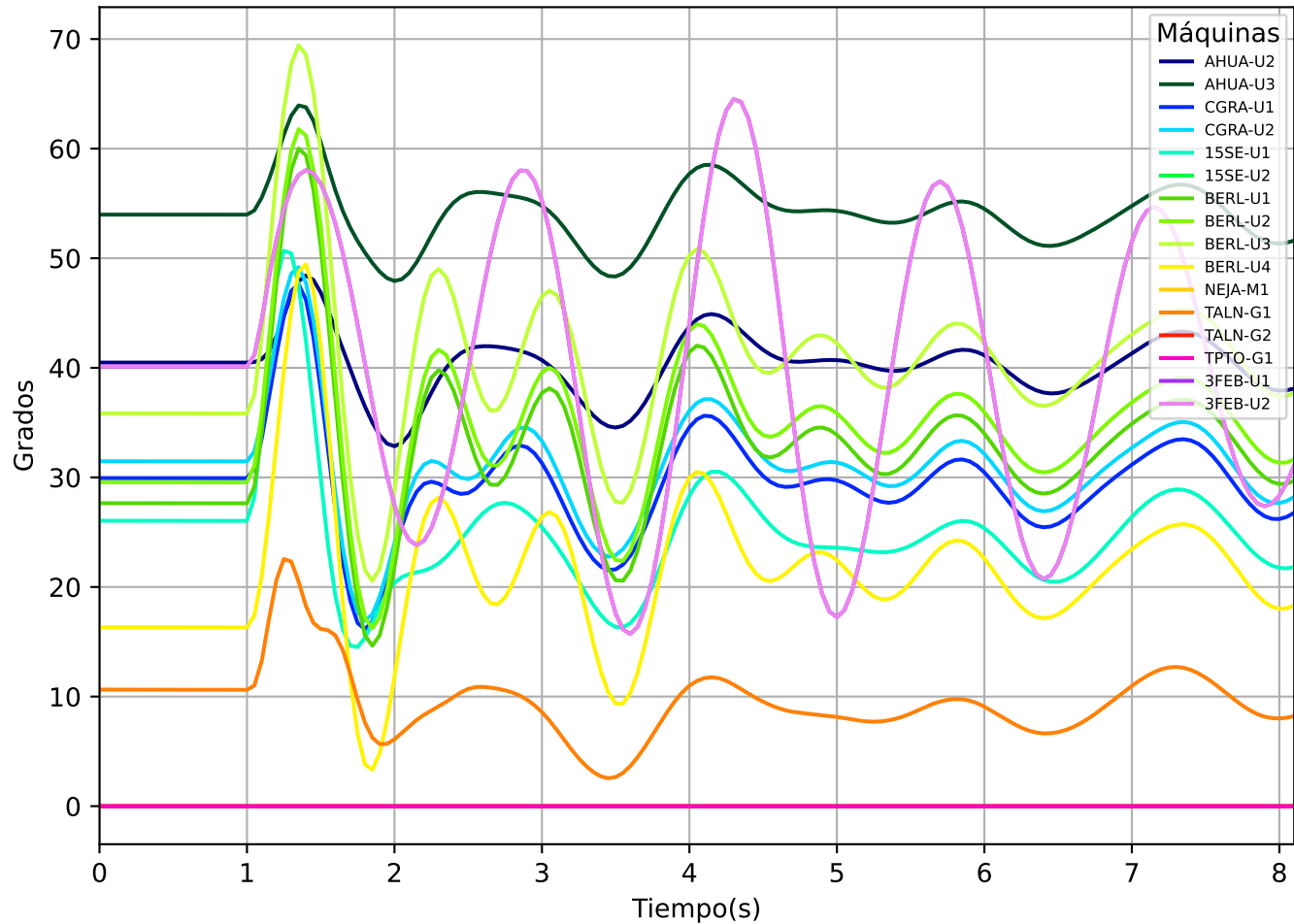
F30_15SE-BERL: FLUJO L-230kV 4



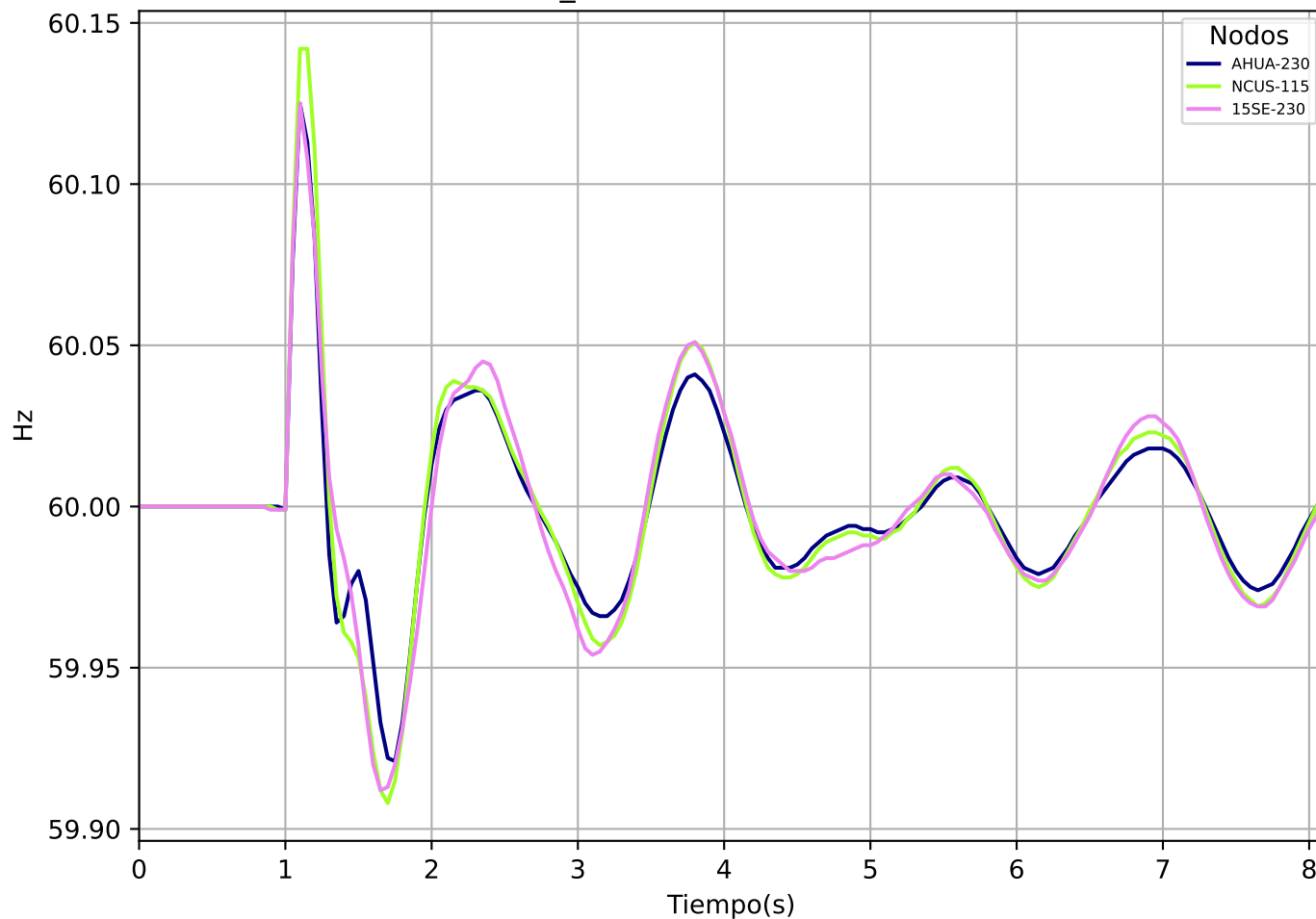
F30_15SE-BERL: ANGULO ROTOR 1



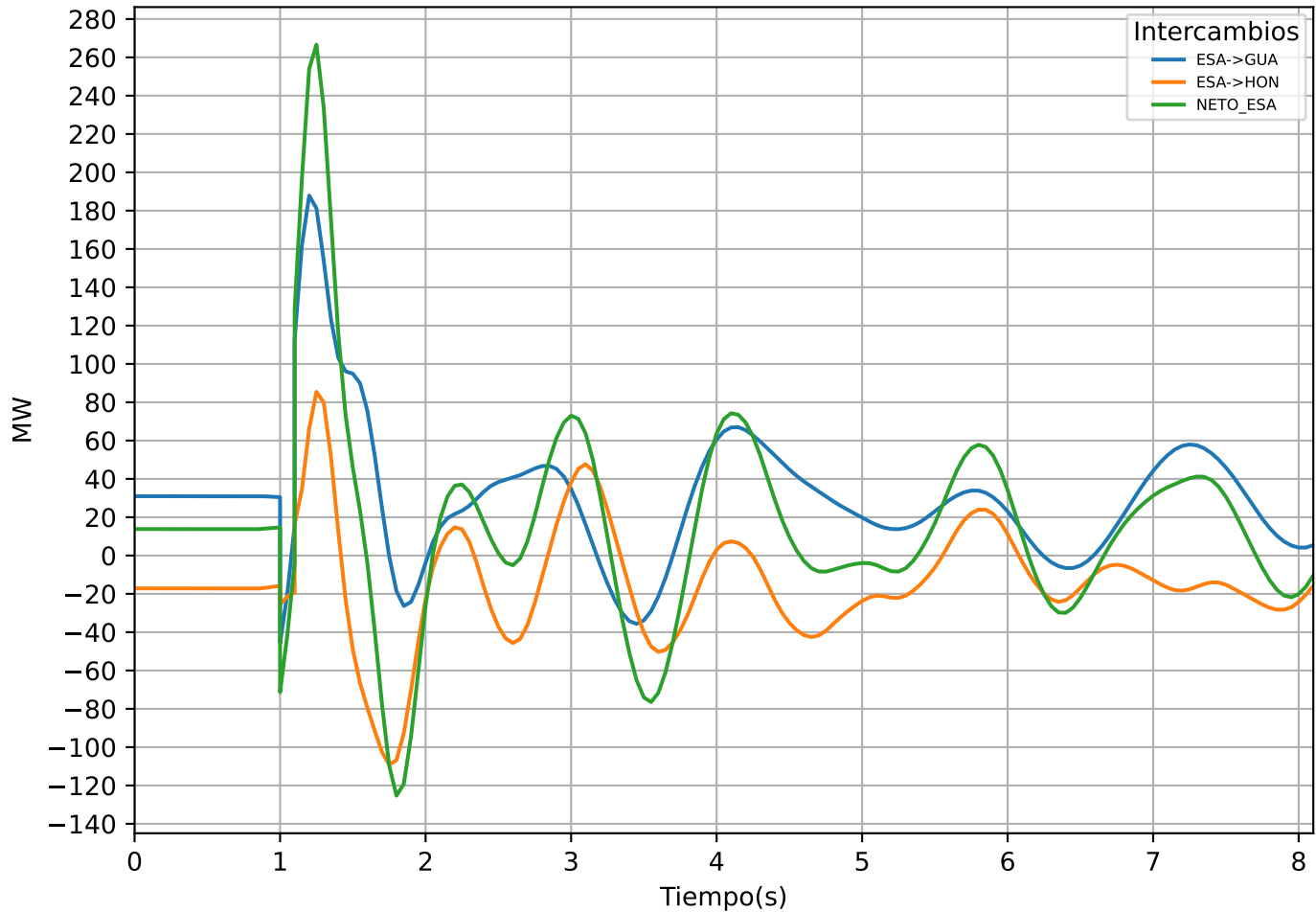
F30_15SE-BERL: ANGULO ROTOR 2



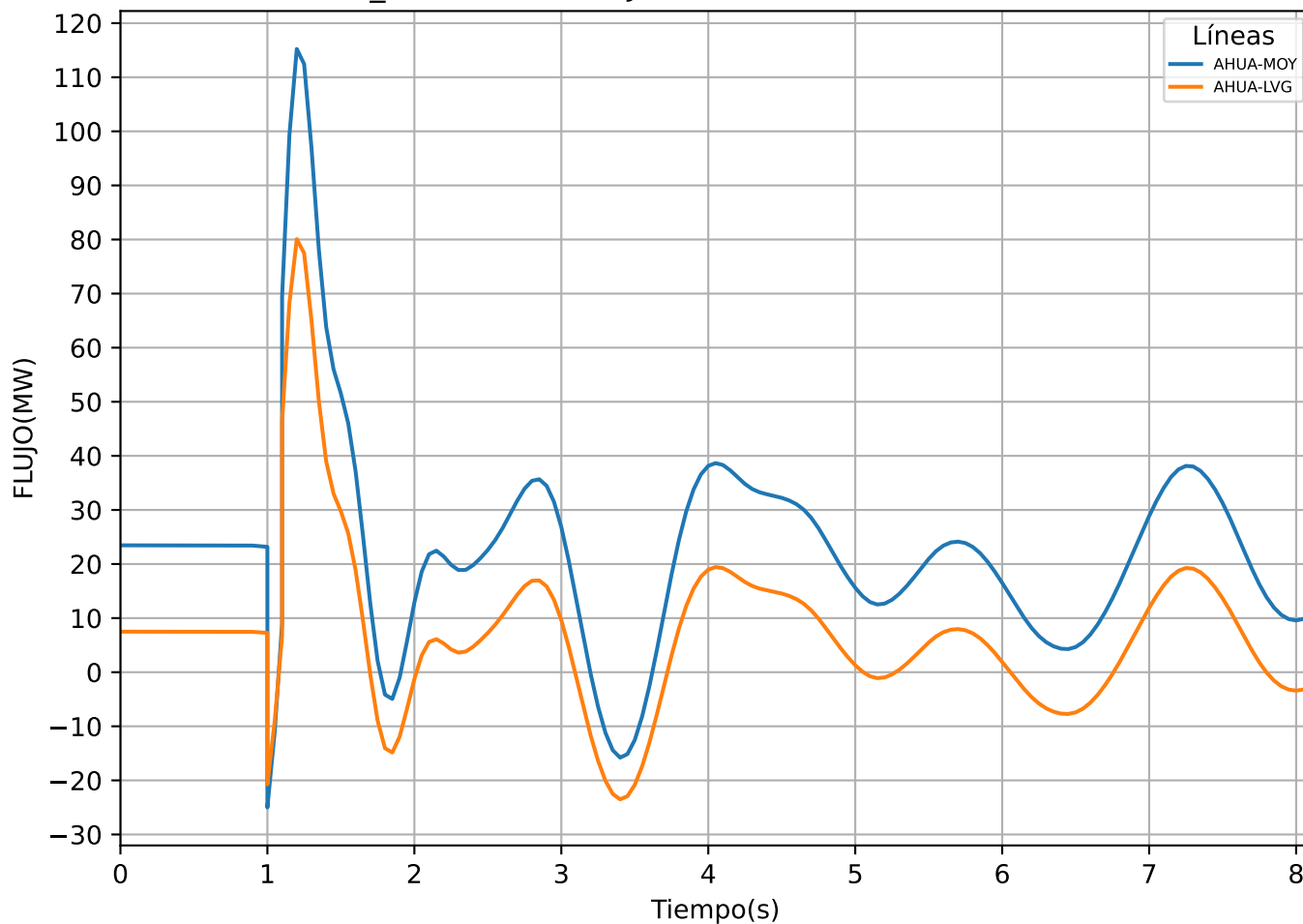
F30_15SE-BERL: FRECUENCIA



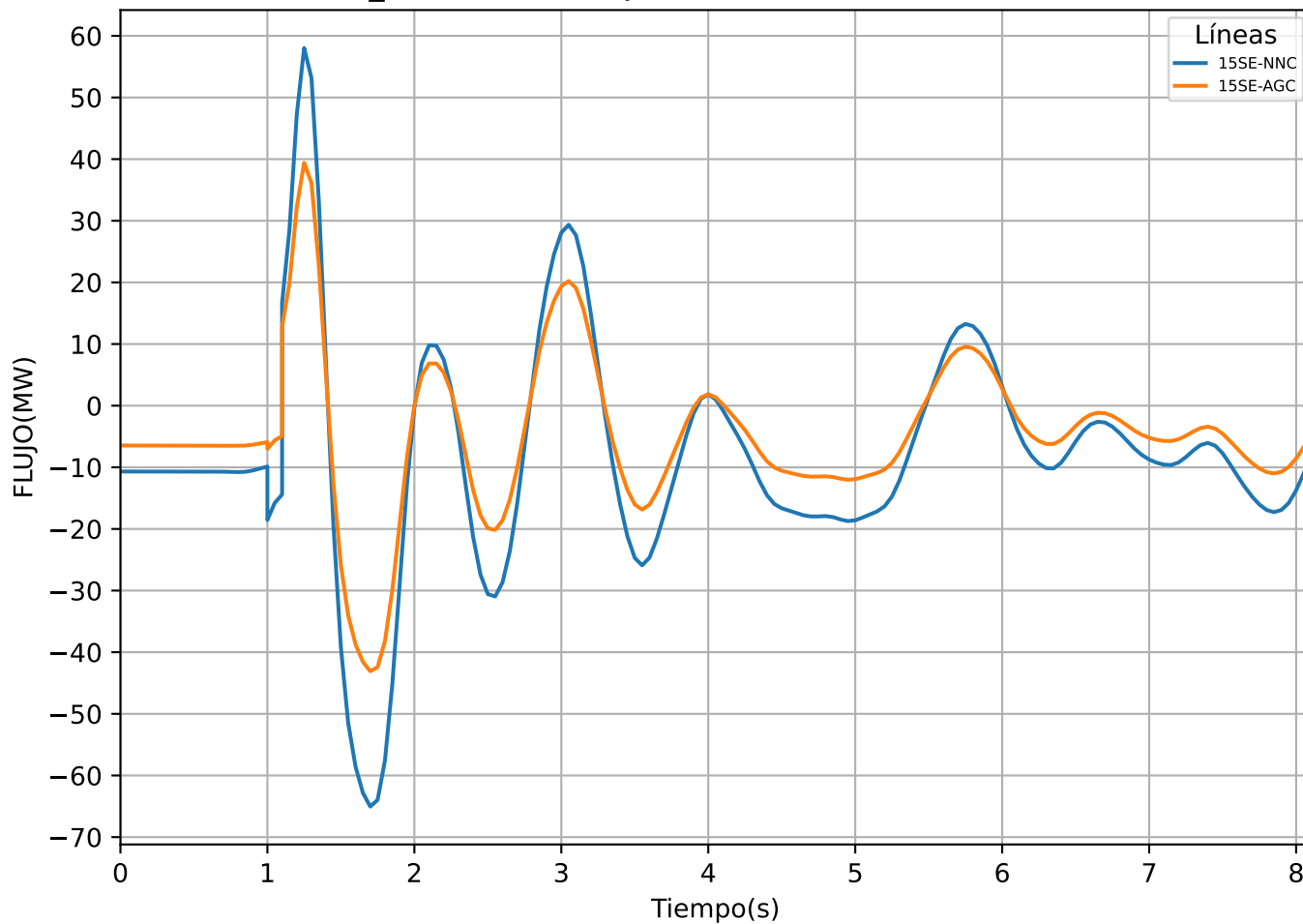
F30_15SE-BERL: Intercambios ESA



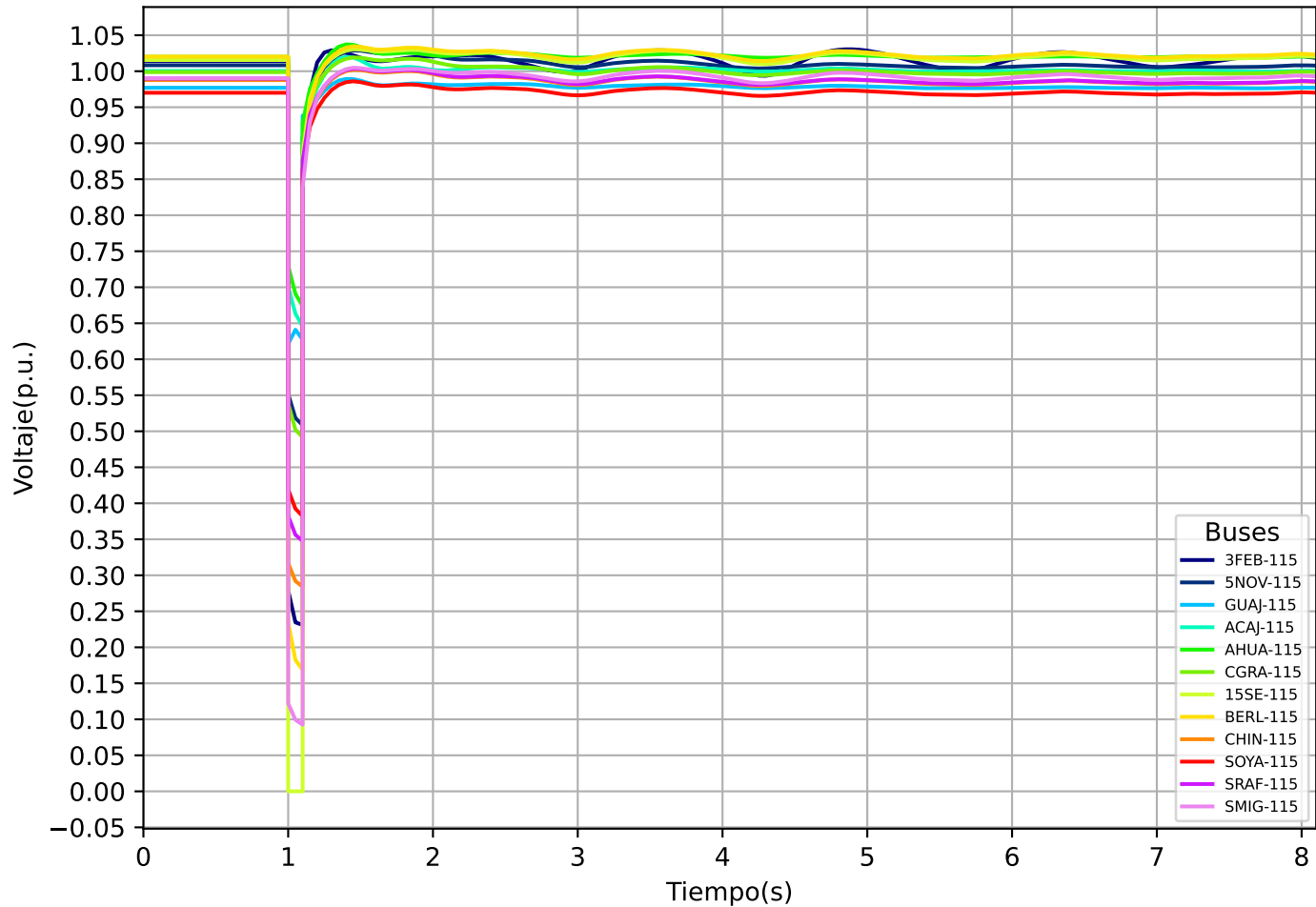
F31_15SE-SRAF: FLUJO INTERCONEXIONES ESA-GUA



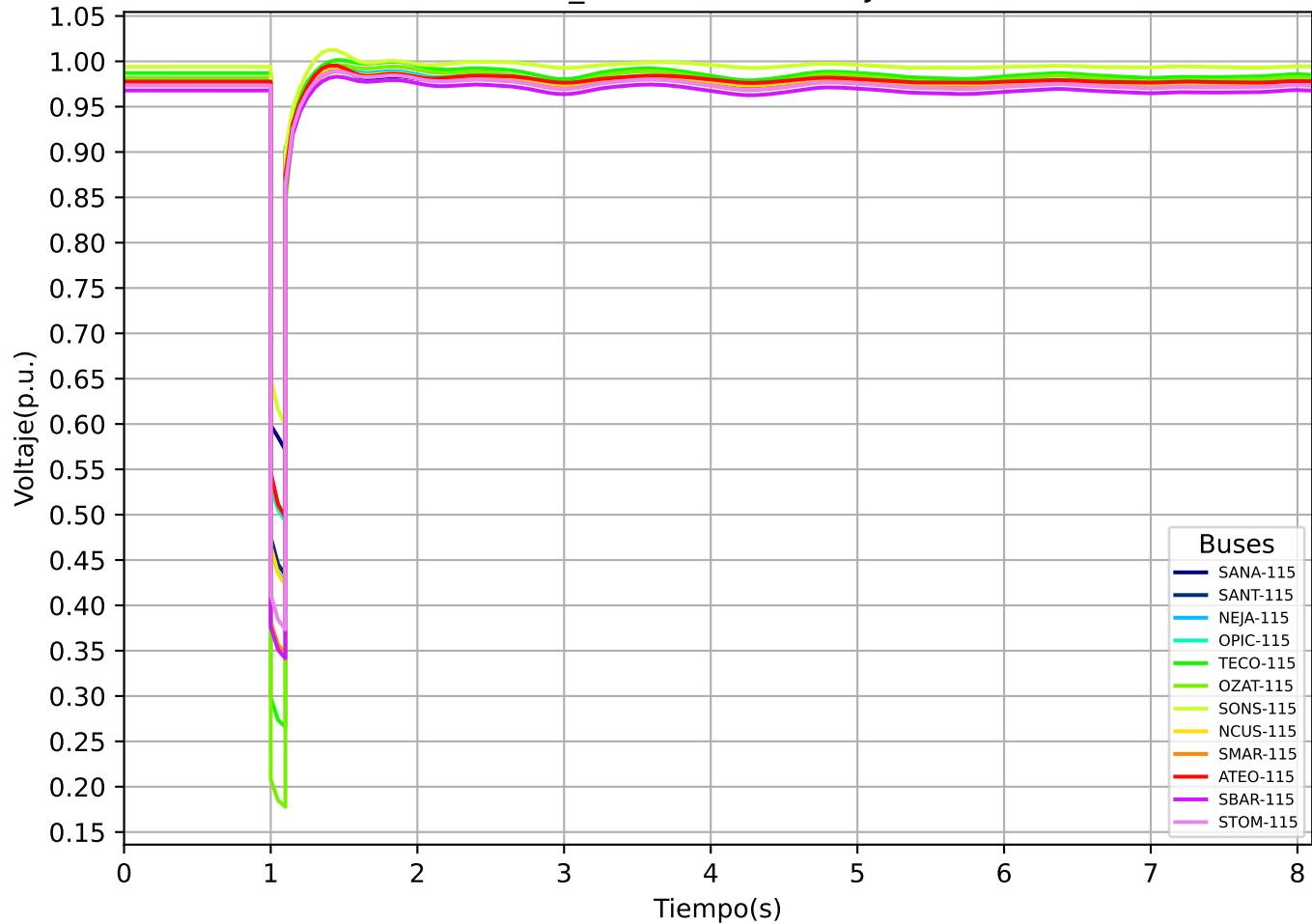
F31_15SE-SRAF: FLUJO INTERCONEXIONES ESA-HON



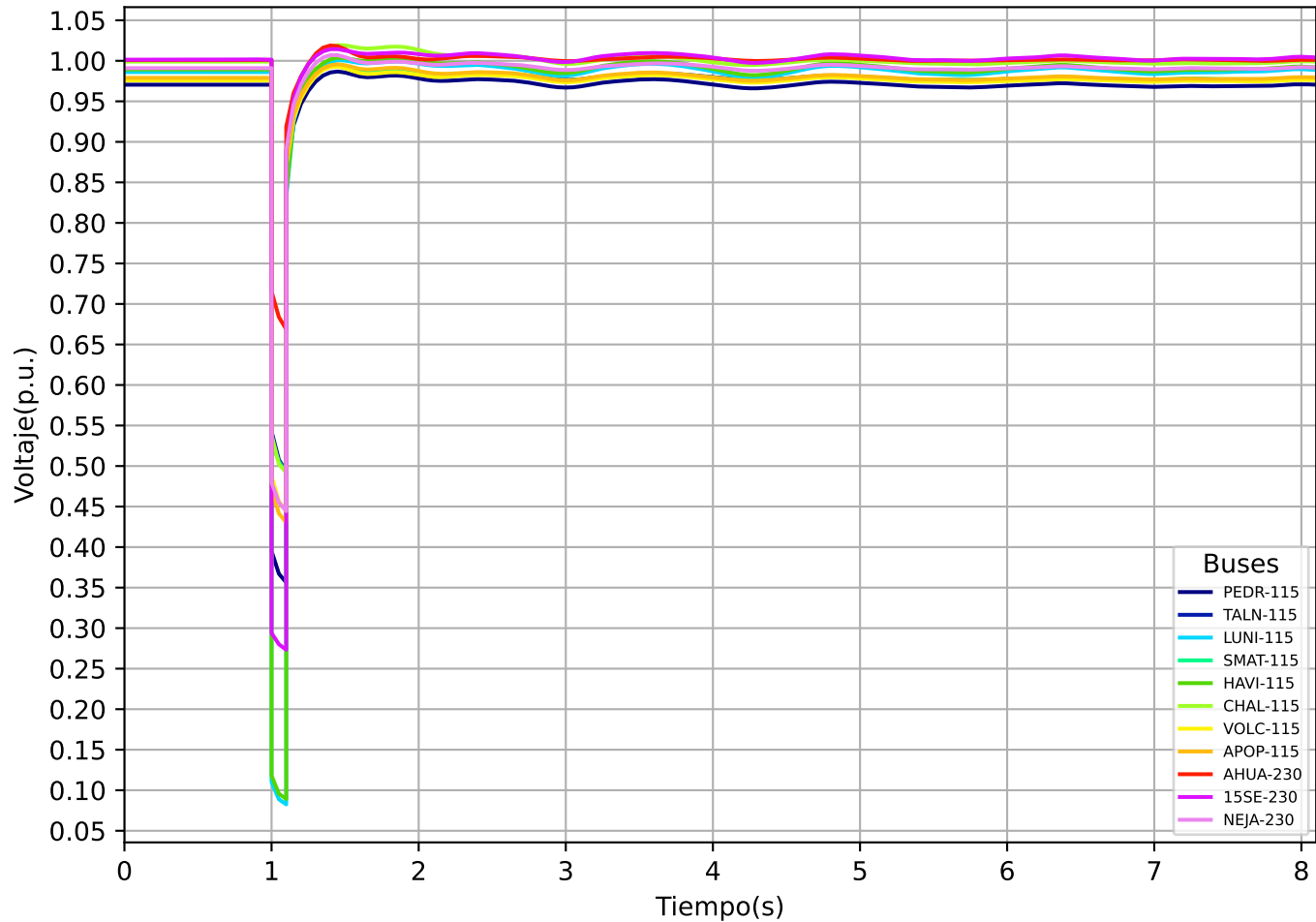
F31_15SE-SRAF: VOLTAJE 1



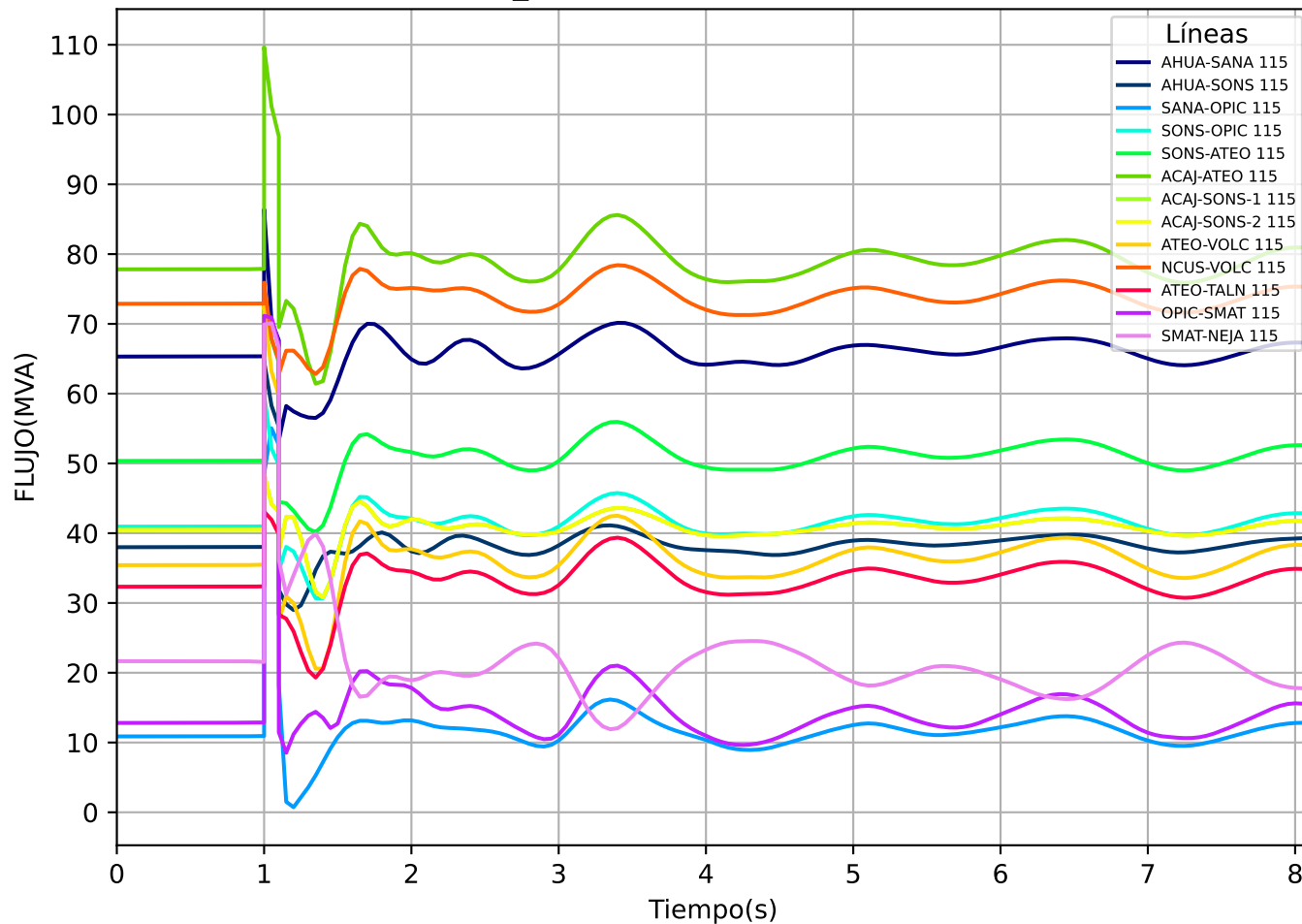
F31_15SE-SRAF: VOLTAJE 2



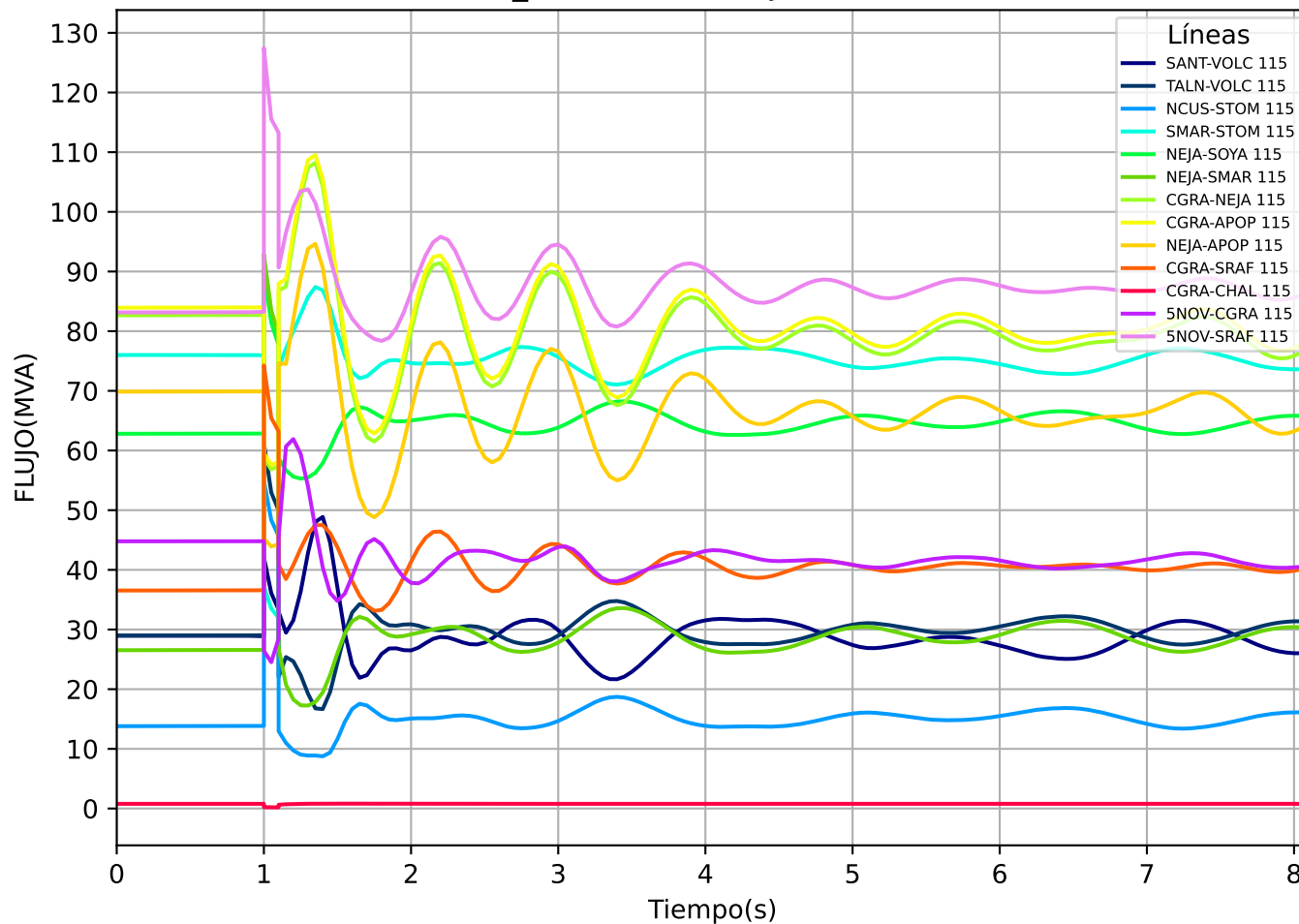
F31_15SE-SRAF: VOLTAJE 3



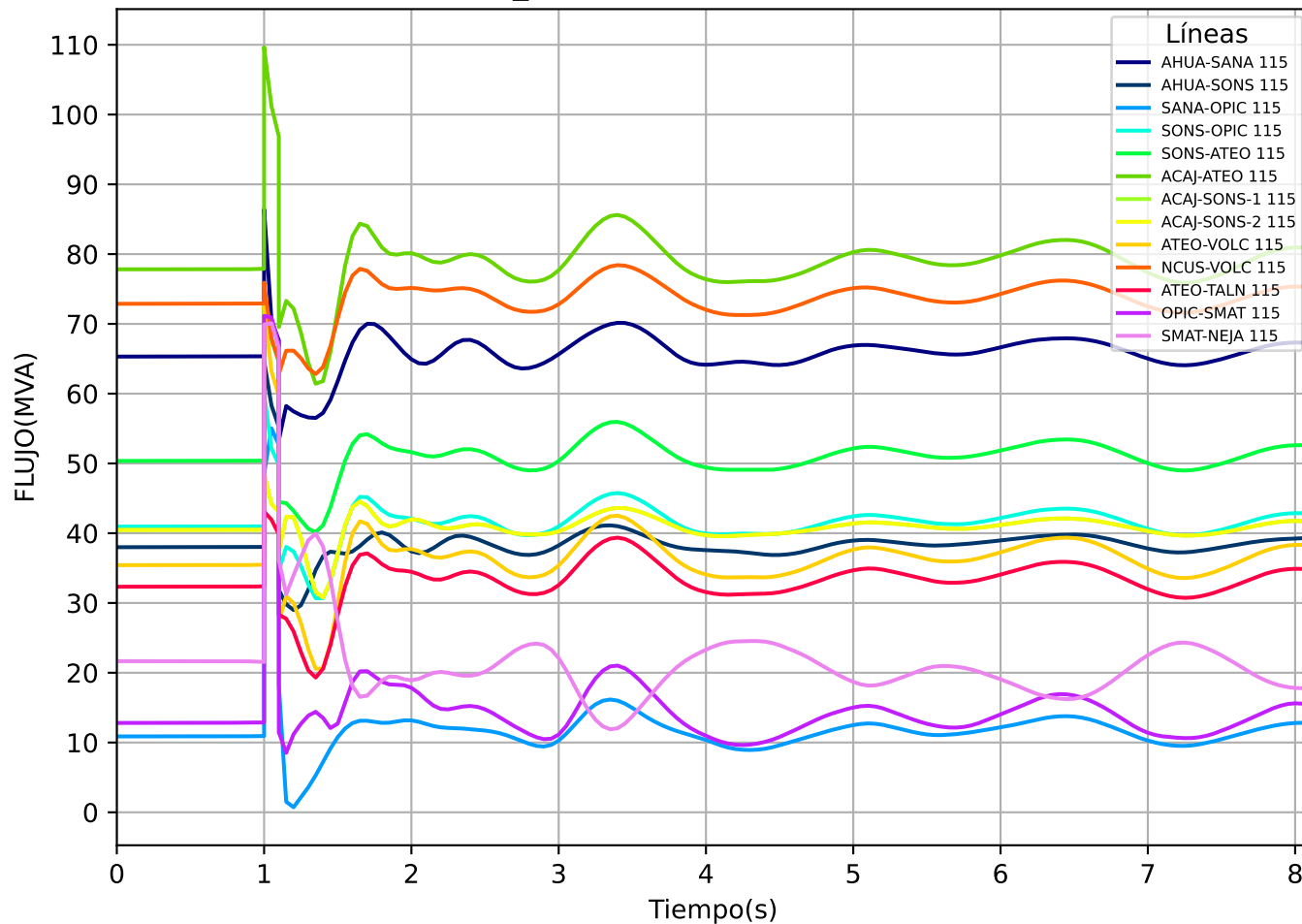
F31_15SE-SRAF: FLUJO L-115kV 1



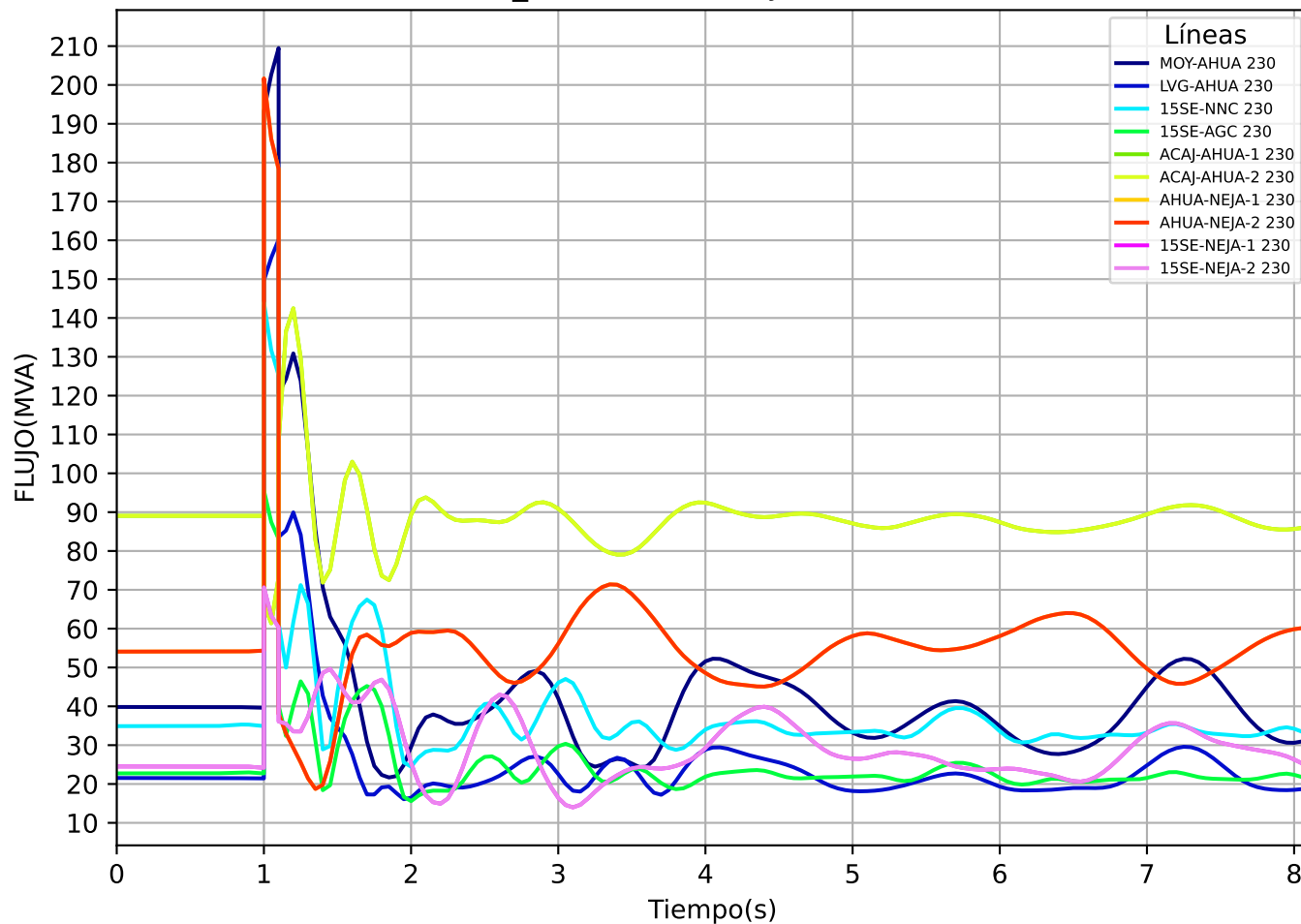
F31_15SE-SRAF: FLUJO L-115kV 2



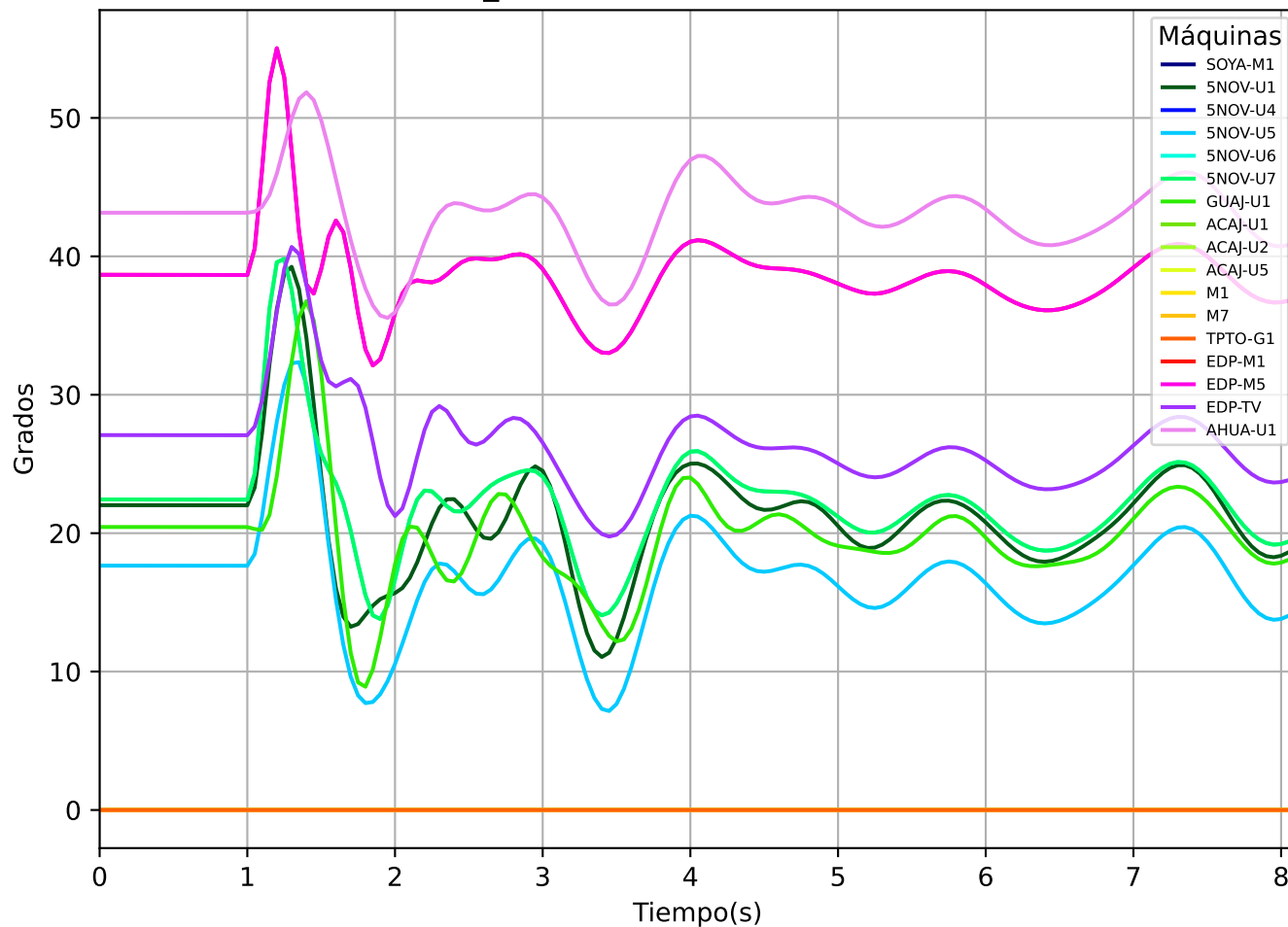
F31_15SE-SRAF: FLUJO L-115kV 1



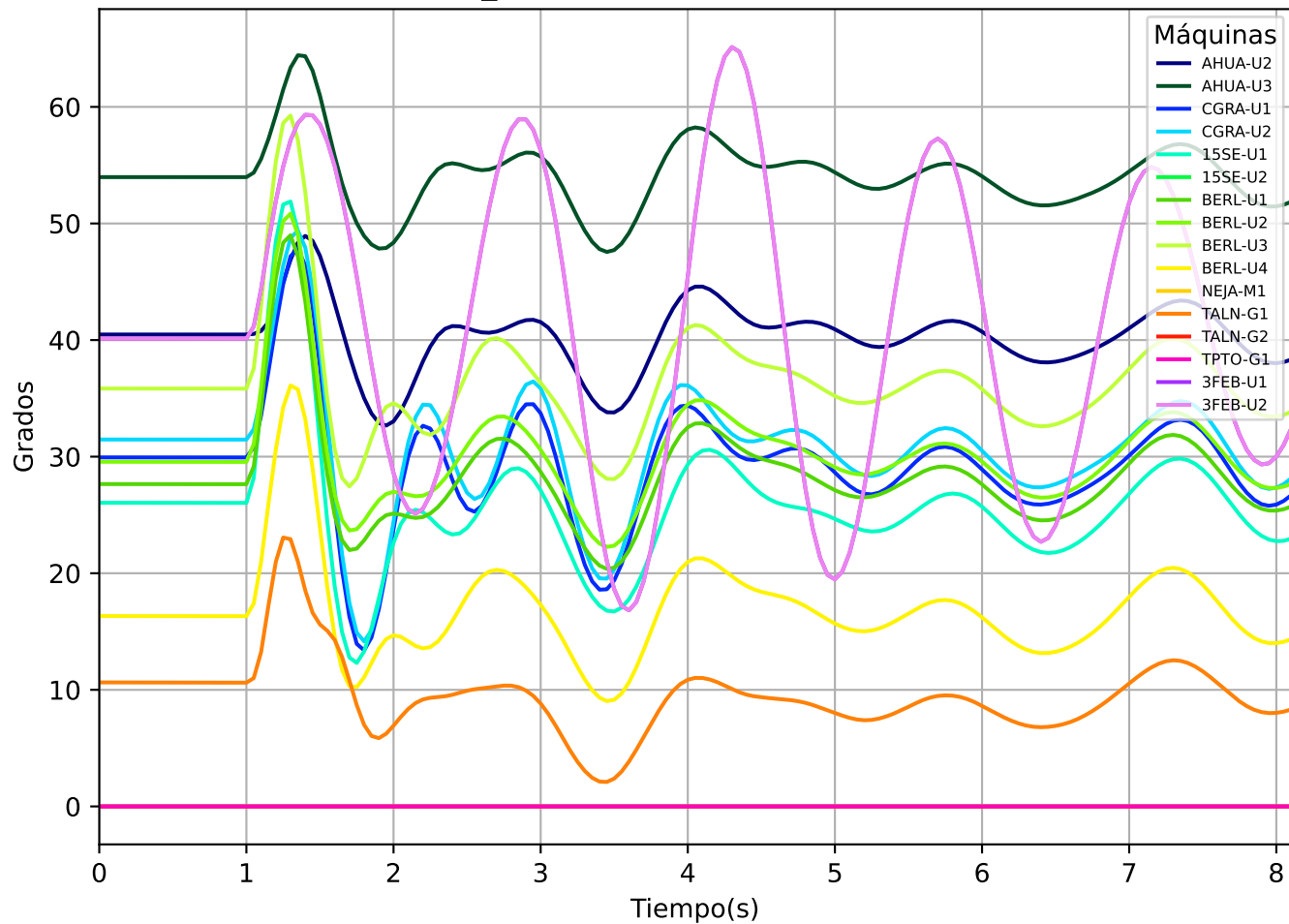
F31_15SE-SRAF: FLUJO L-230kV 4



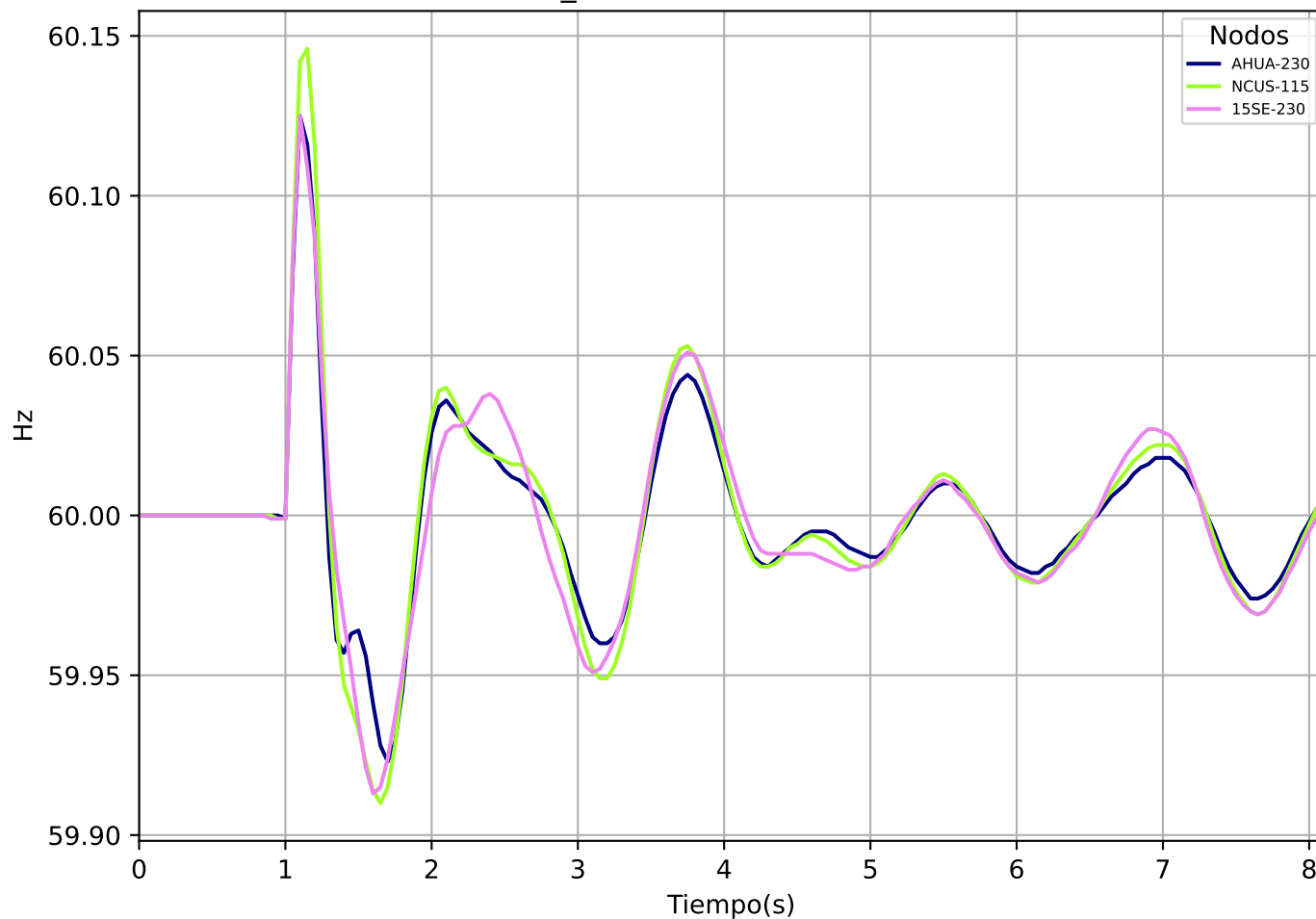
F31_15SE-SRAF: ANGULO ROTOR 1



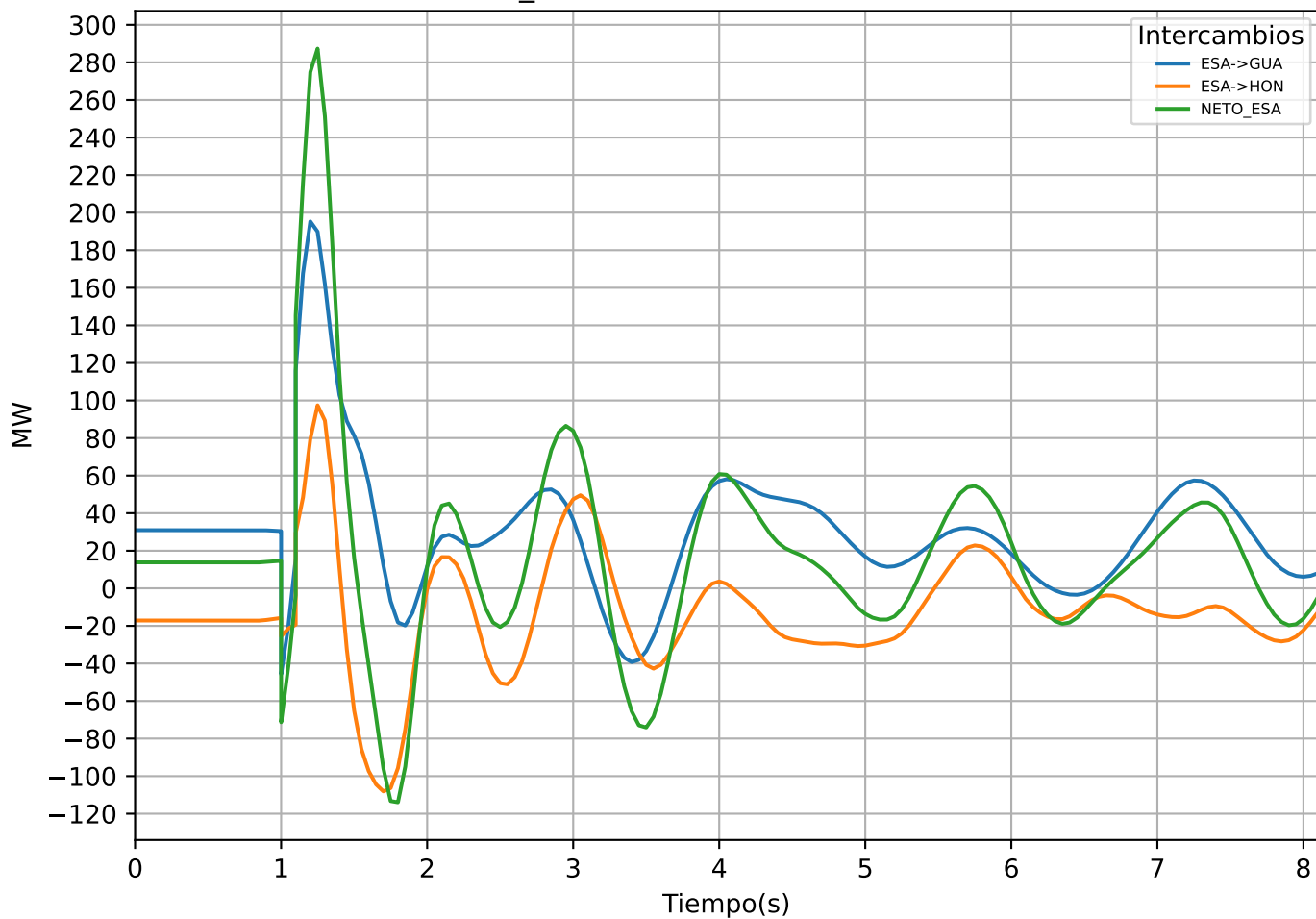
F31_15SE-SRAF: ANGULO ROTOR 2



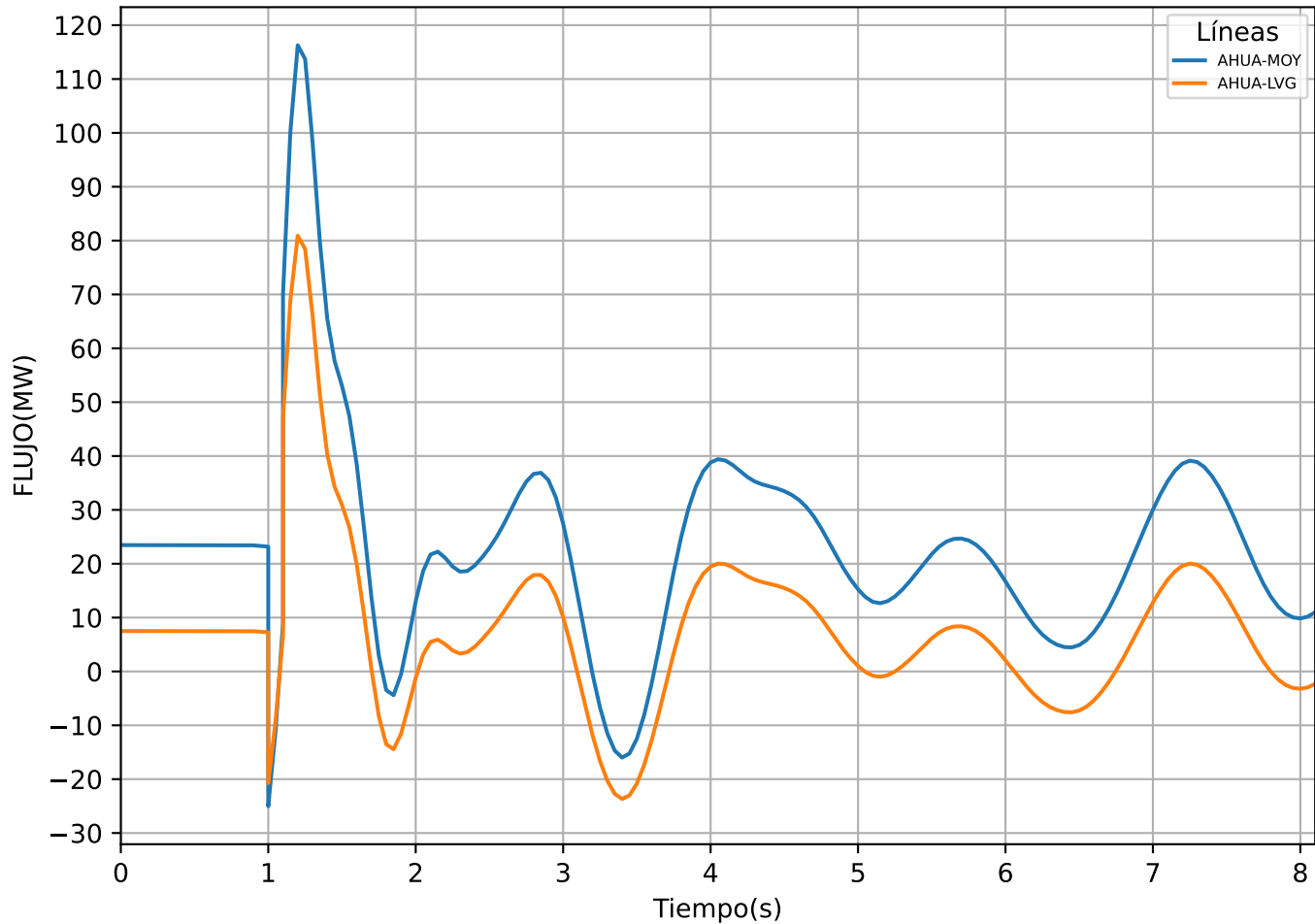
F31_15SE-SRAF: FRECUENCIA



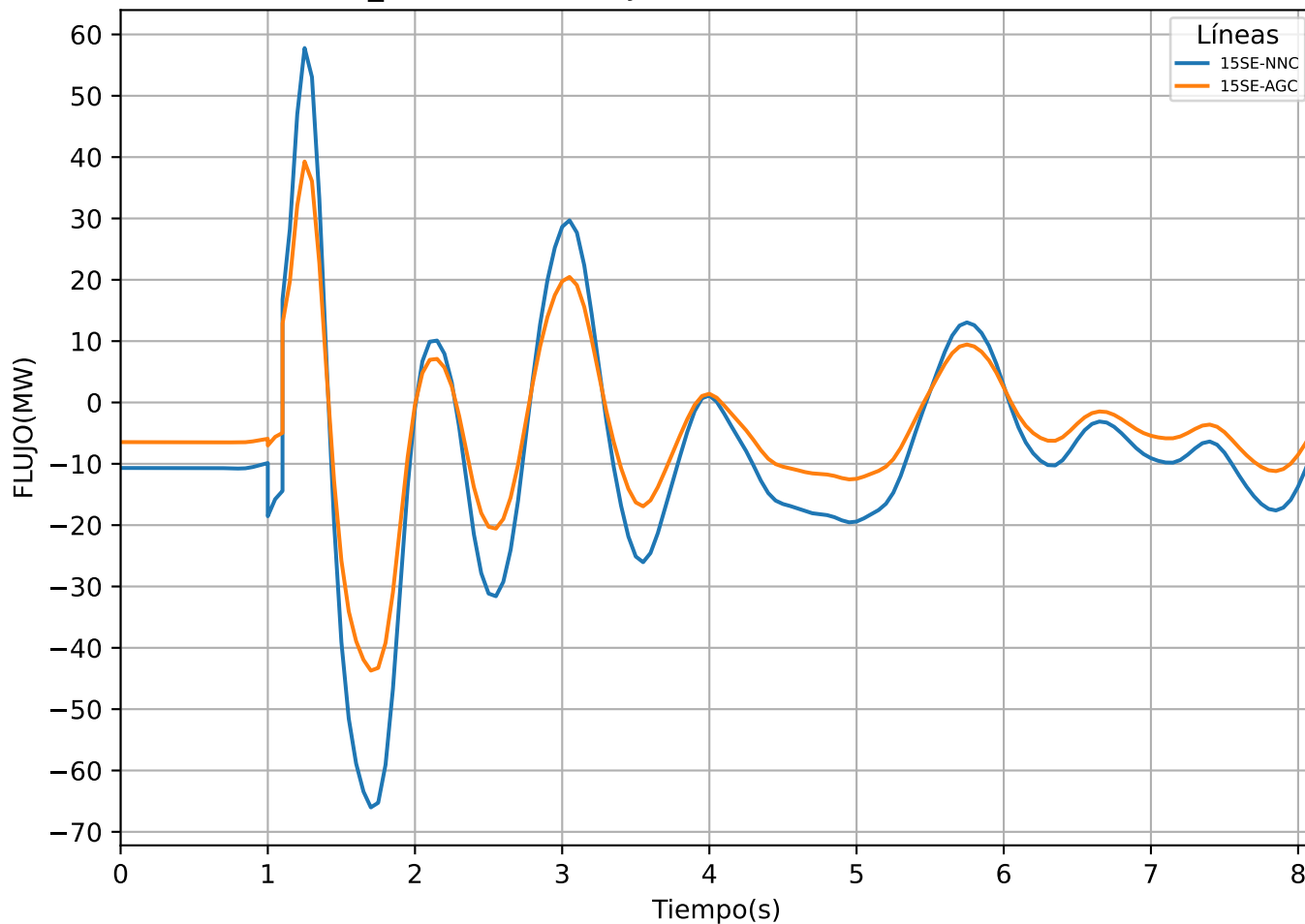
F31_15SE-SRAF: Intercambios ESA



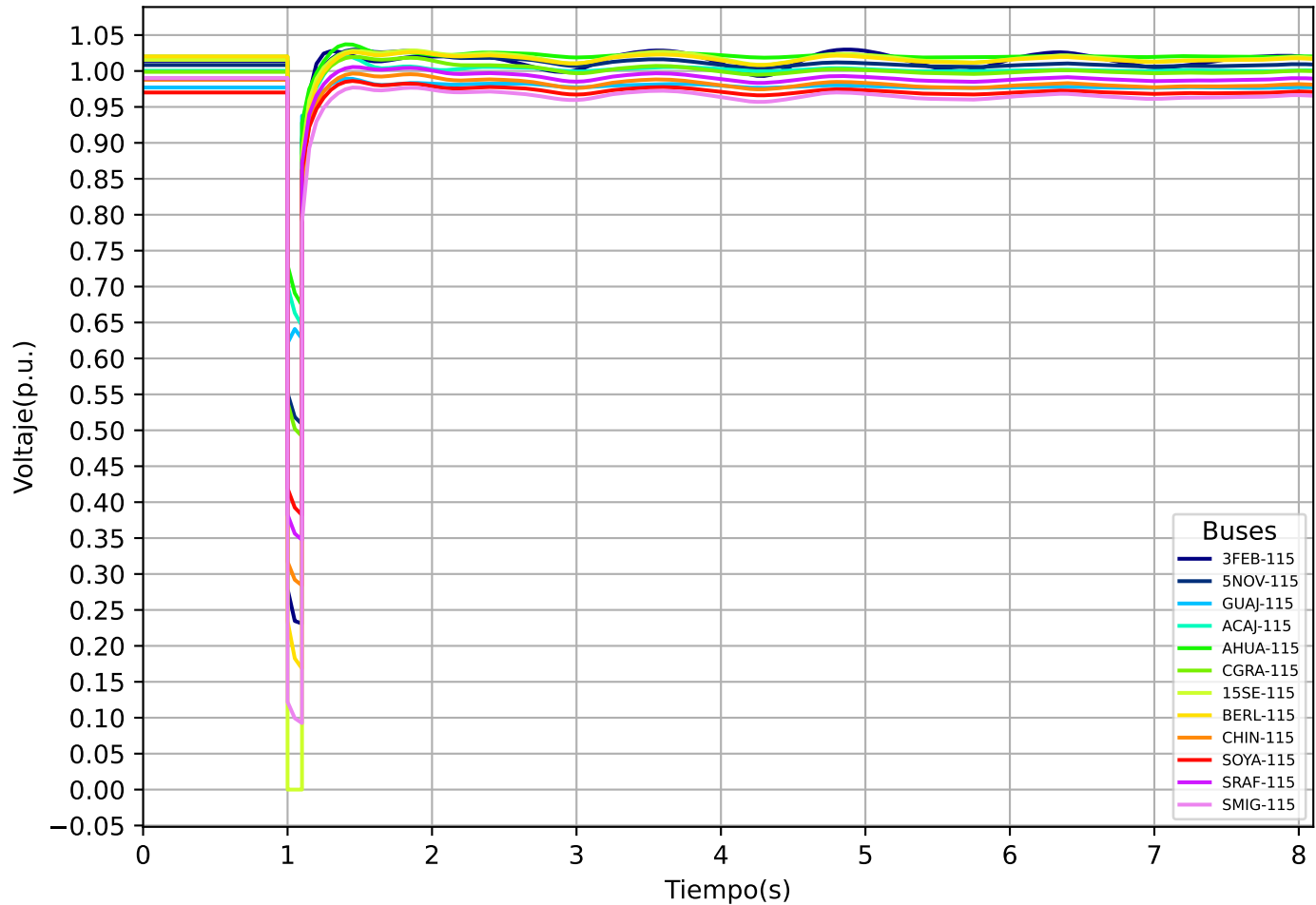
F32_15SE-SMIG: FLUJO INTERCONEXIONES ESA-GUA



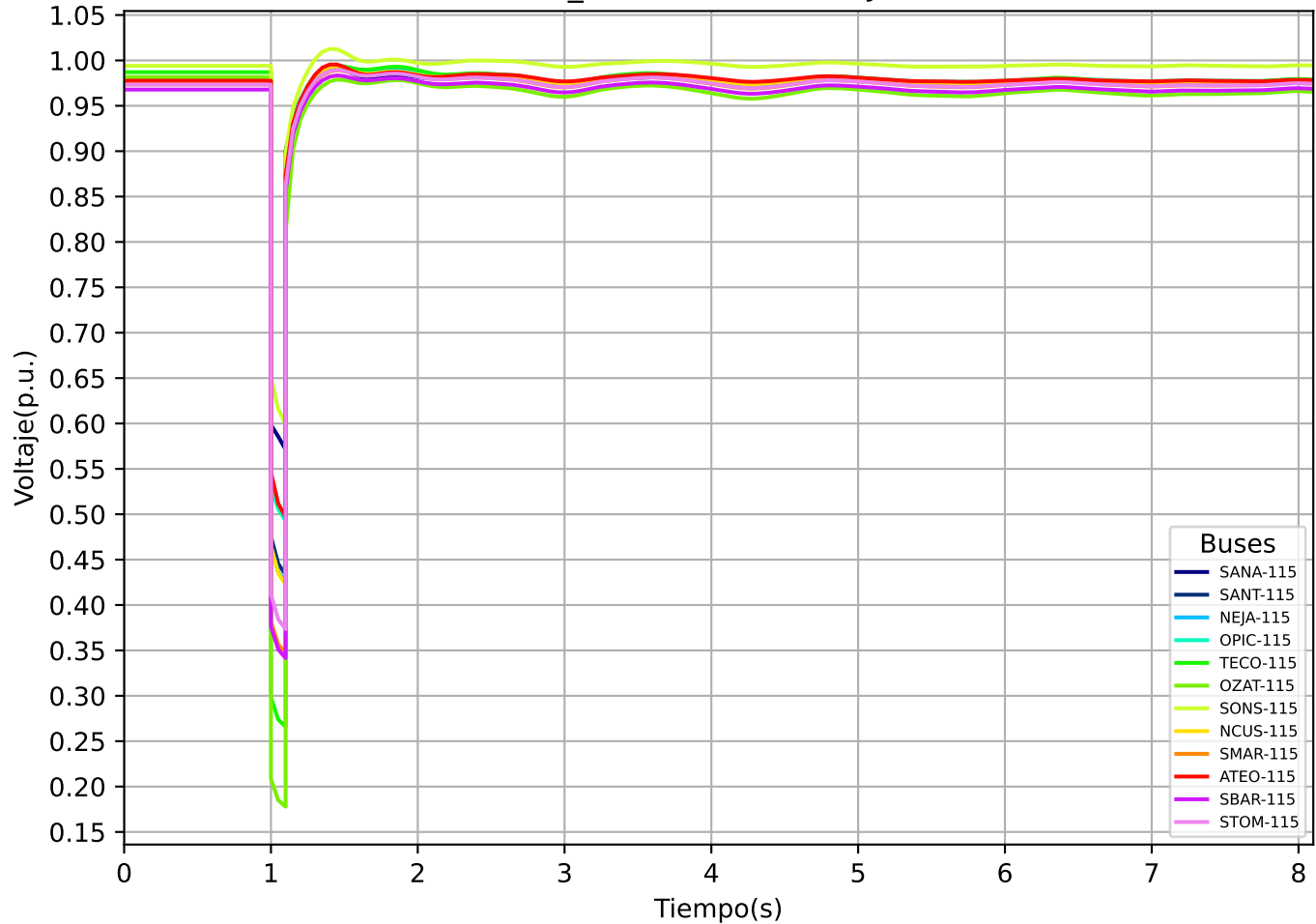
F32_15SE-SMIG: FLUJO INTERCONEXIONES ESA-HON



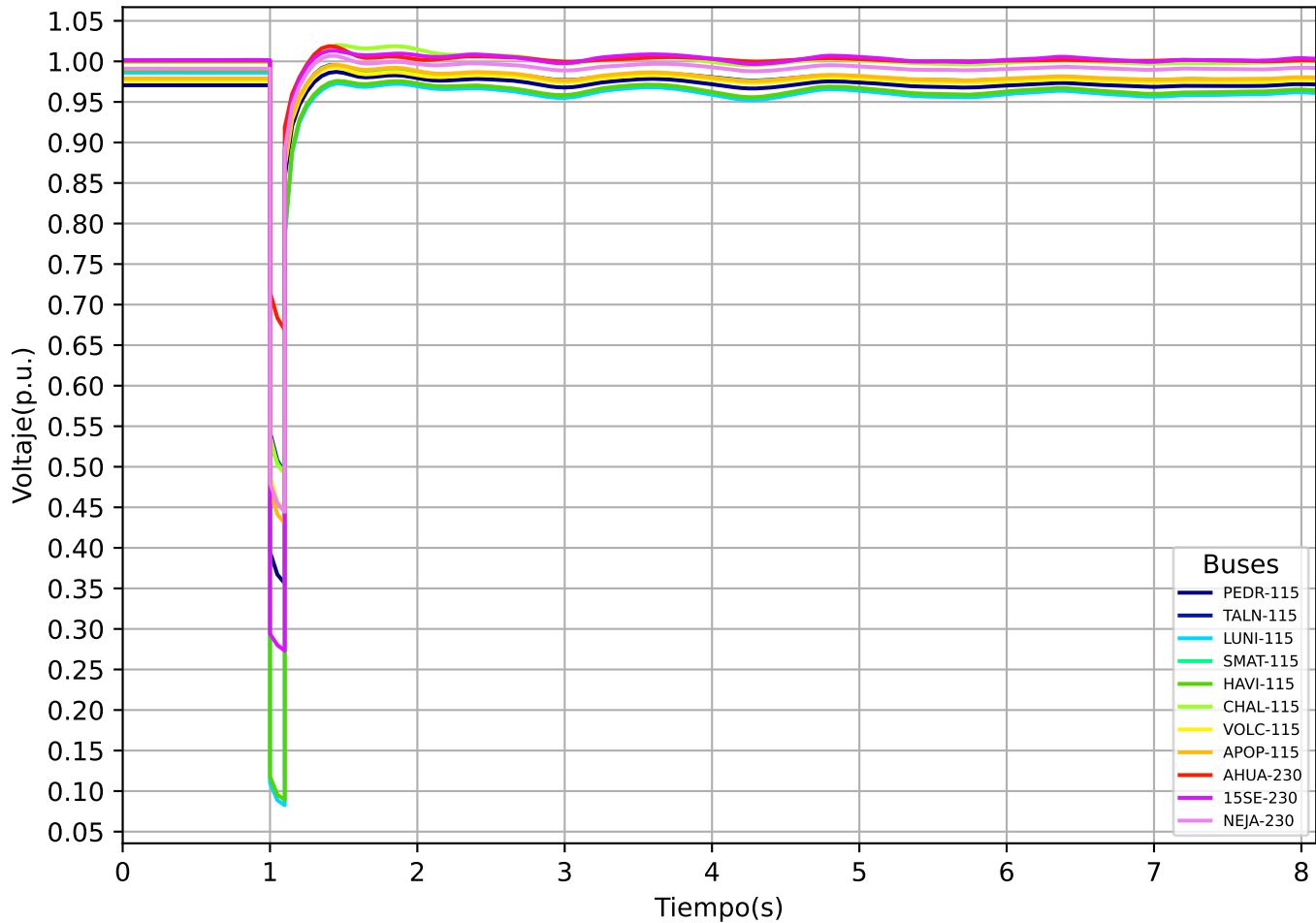
F32_15SE-SMIG: VOLTAJE 1



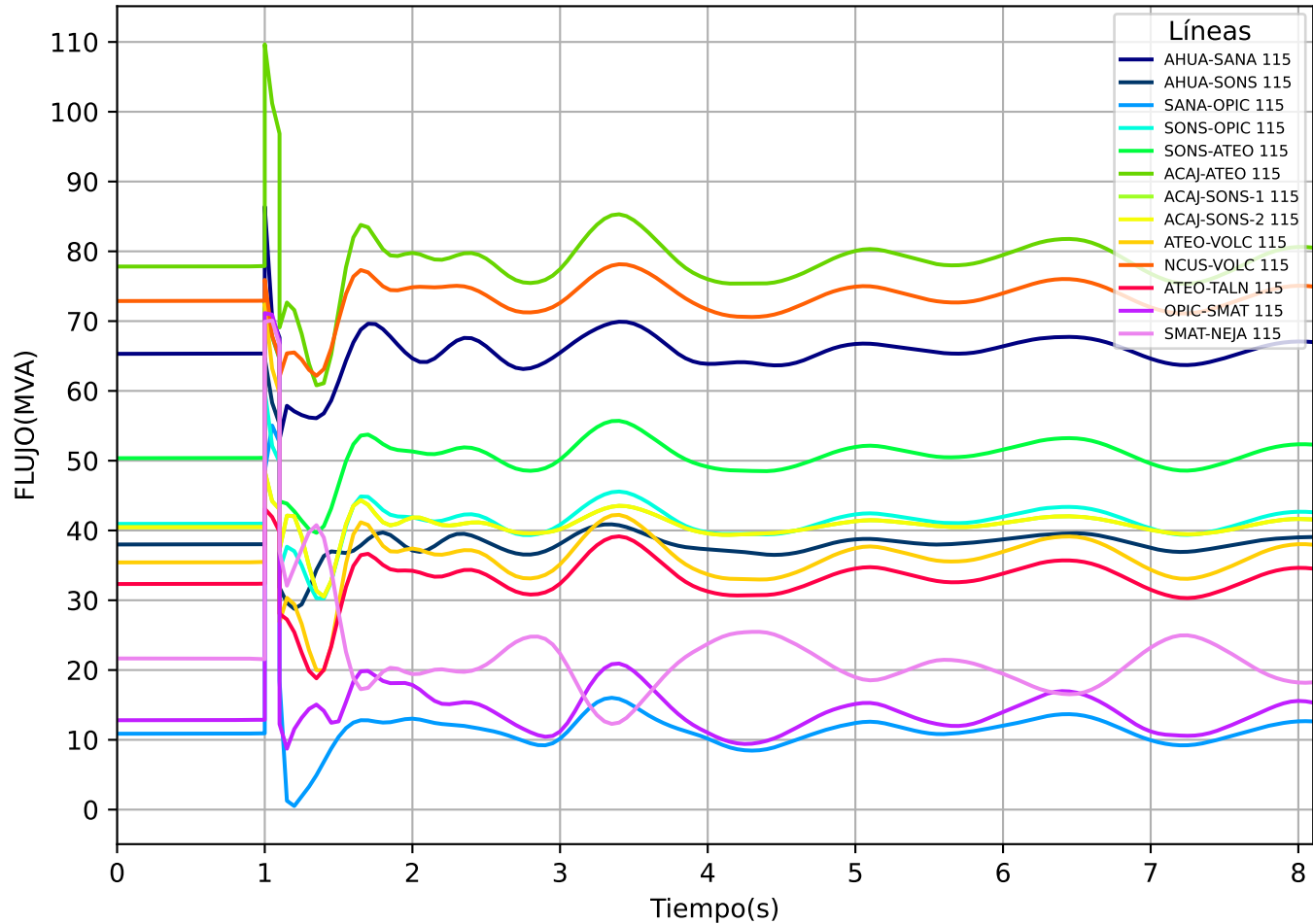
F32_15SE-SMIG: VOLTAJE 2



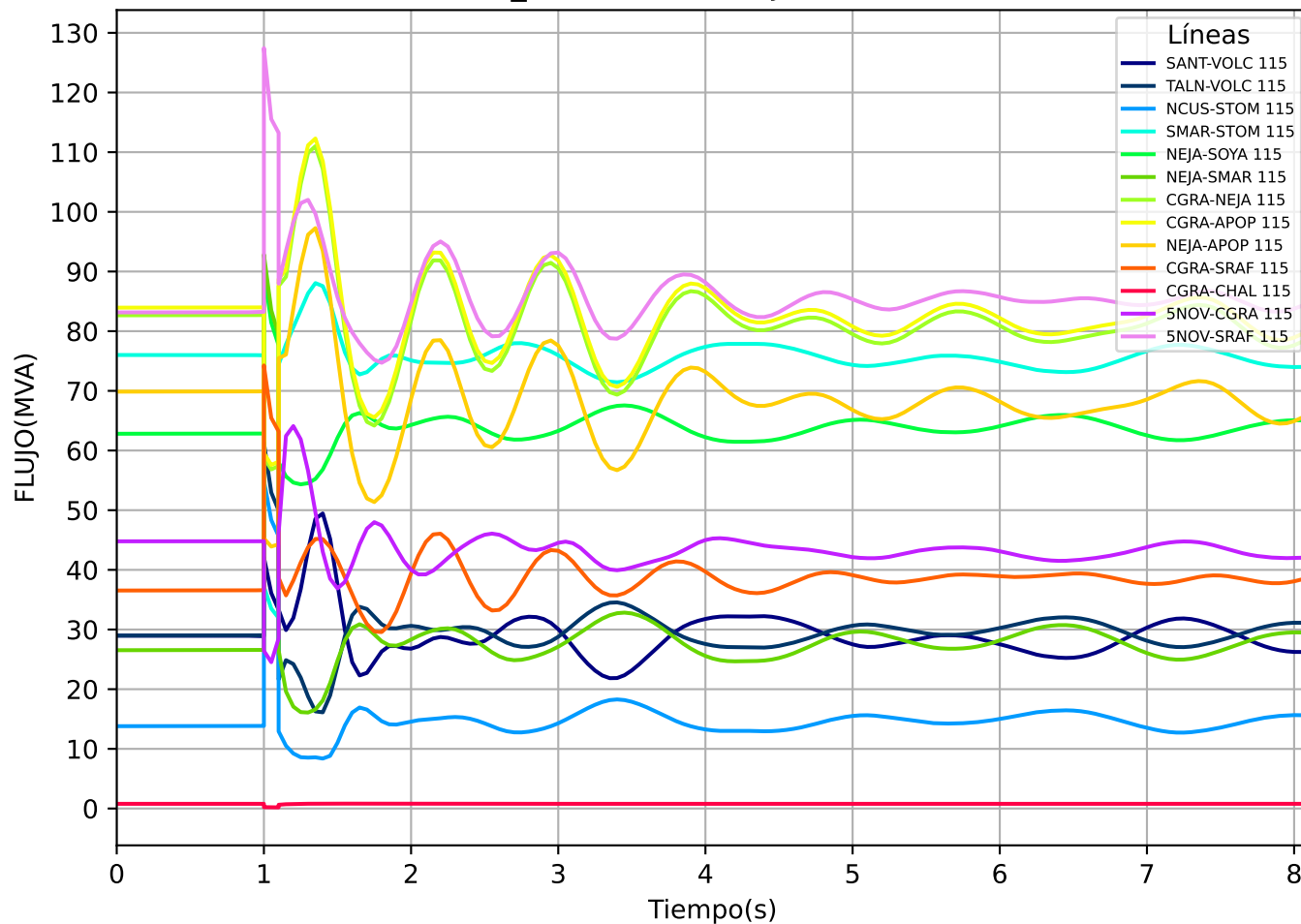
F32_15SE-SMIG: VOLTAJE 3



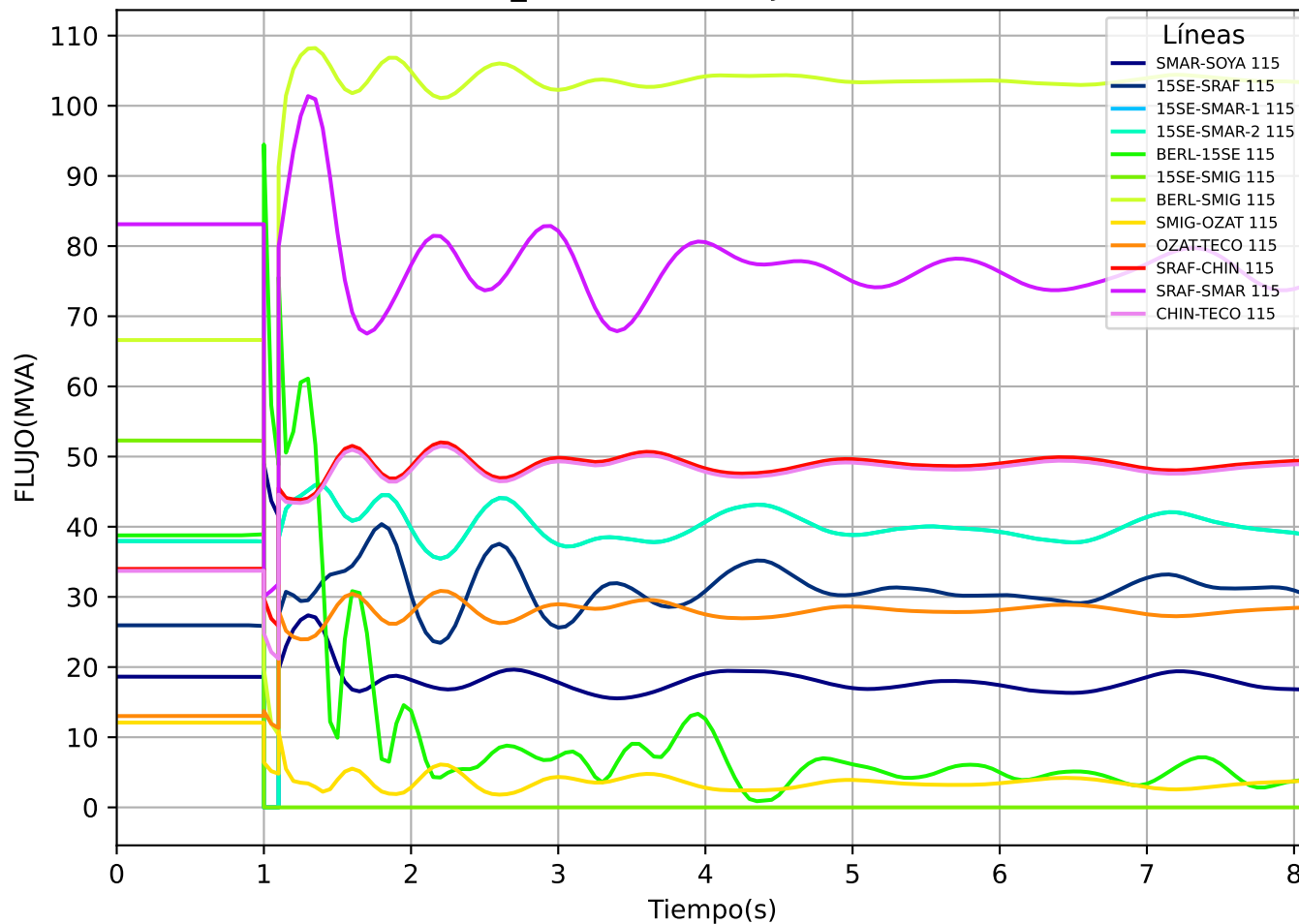
F32_15SE-SMIG: FLUJO L-115kV 1



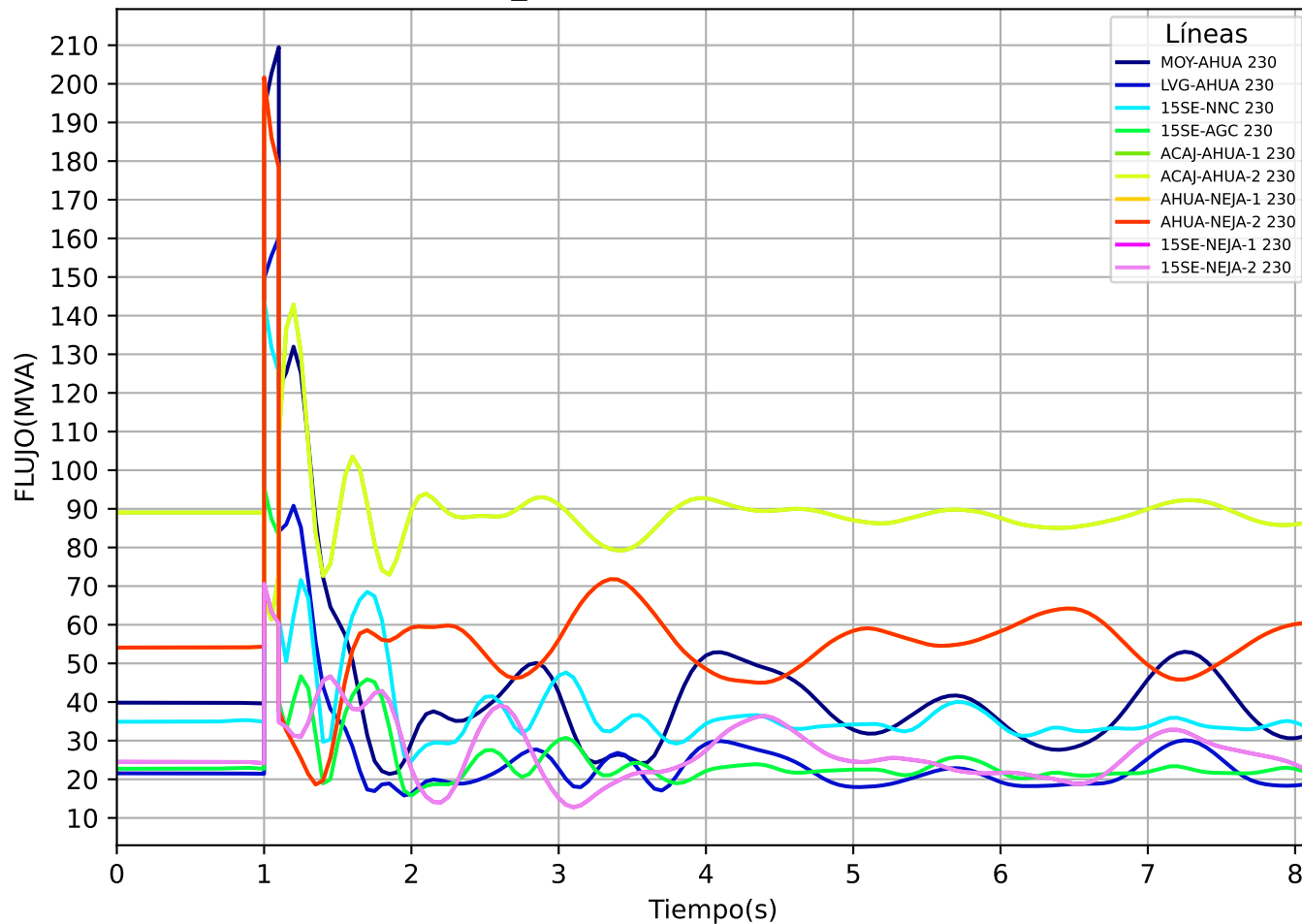
F32_15SE-SMIG: FLUJO L-115kV 2



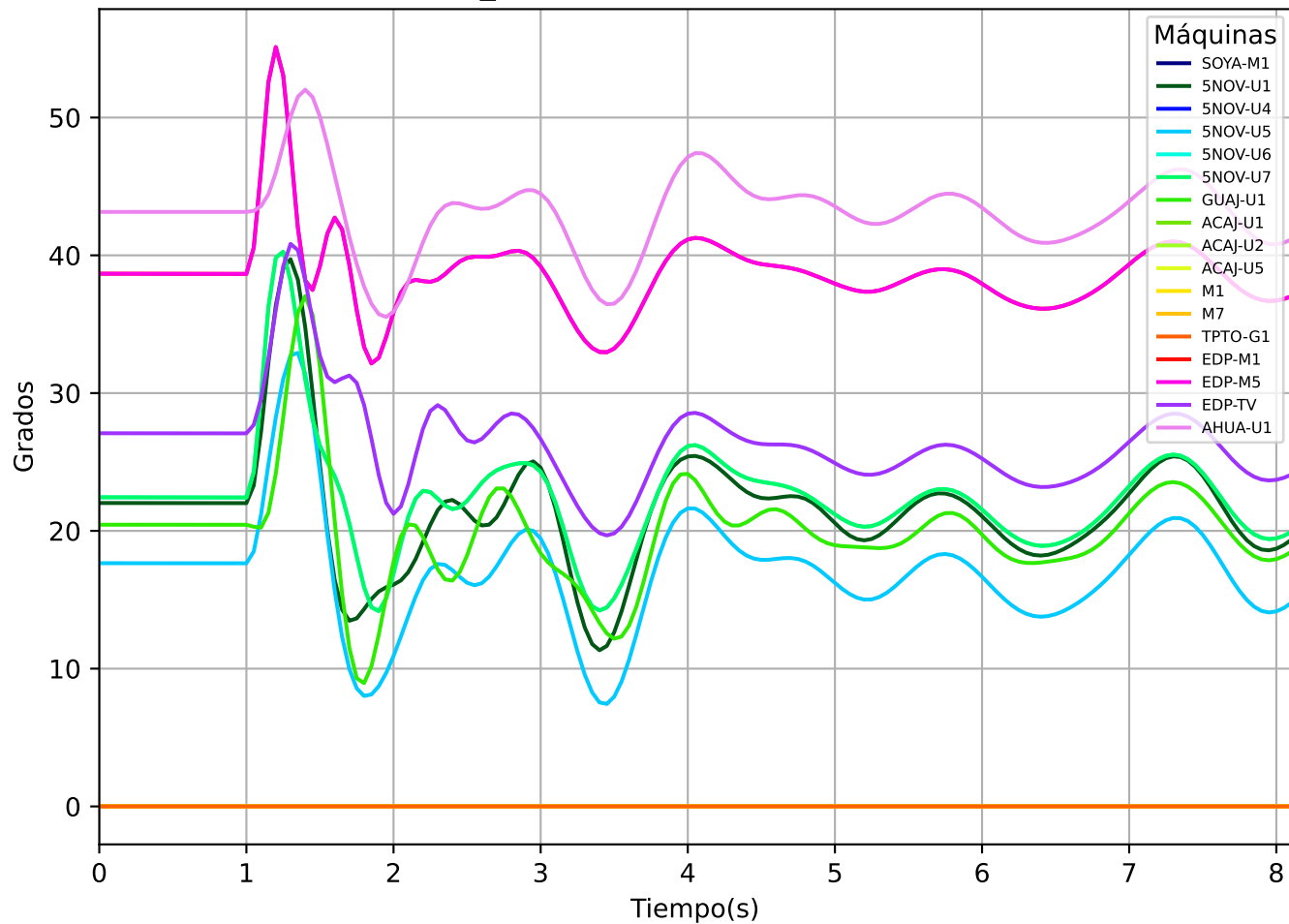
F32_15SE-SMIG: FLUJO L-115kV 3



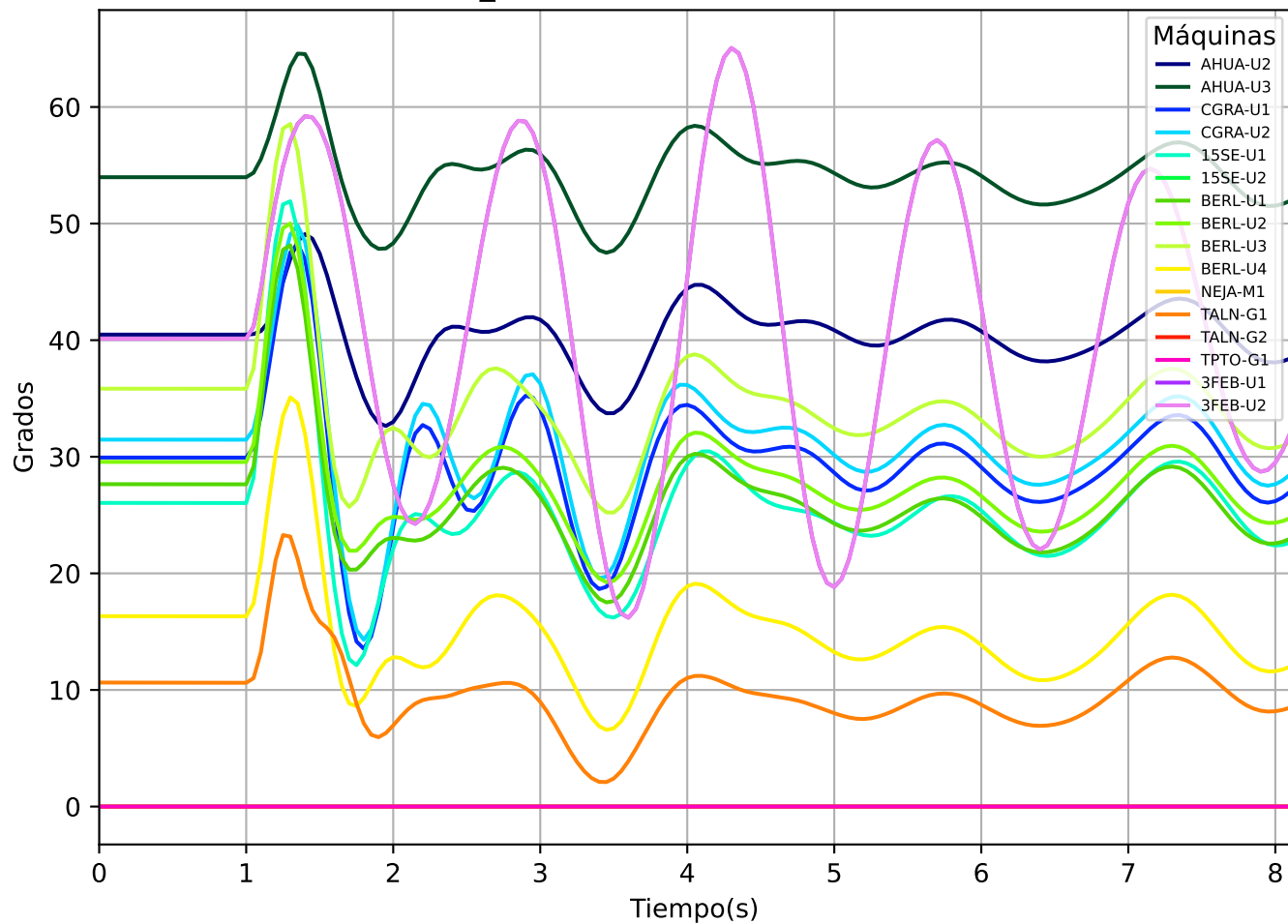
F32_15SE-SMIG: FLUJO L-230kV 4



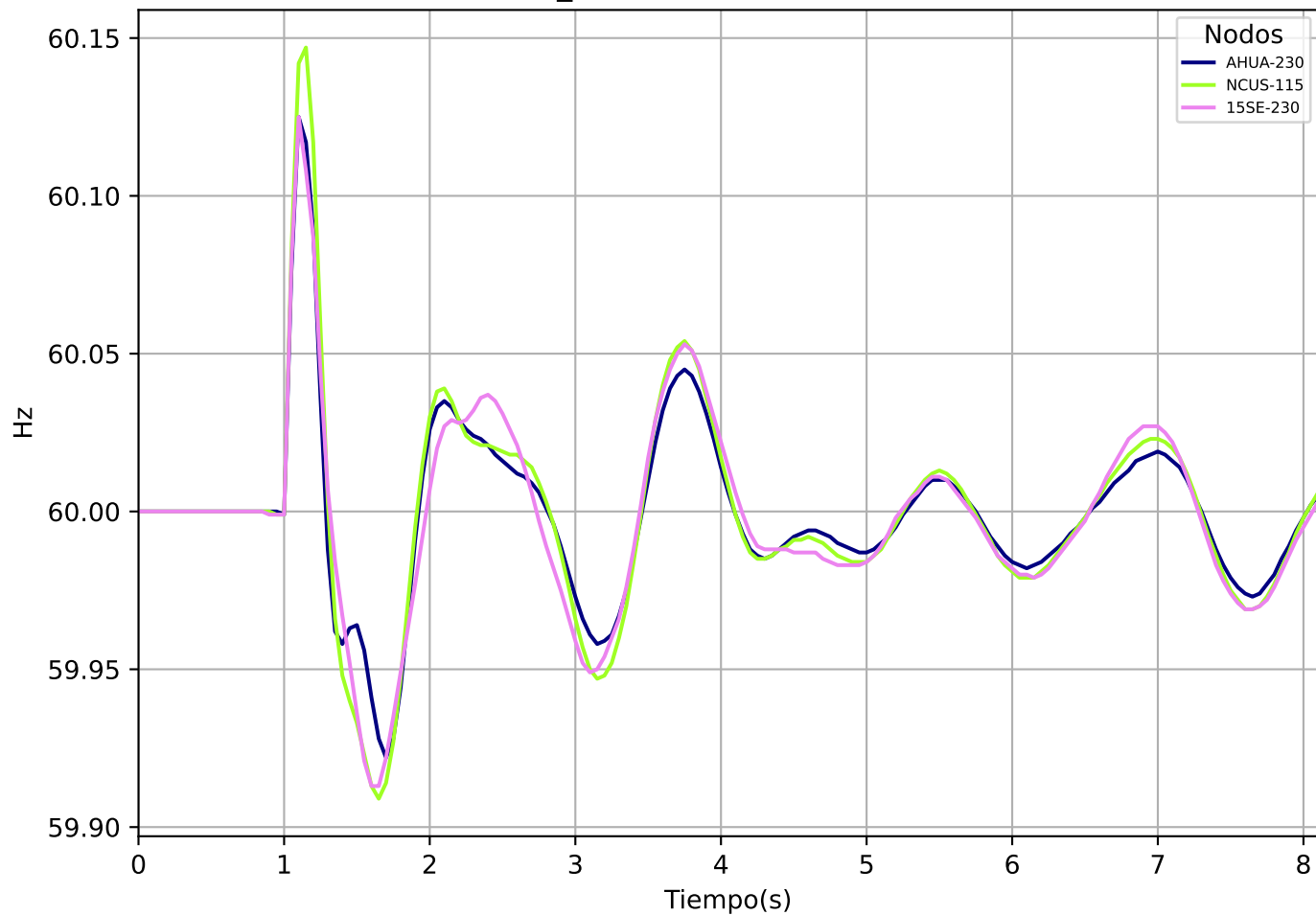
F32_15SE-SMIG: ANGULO ROTOR 1



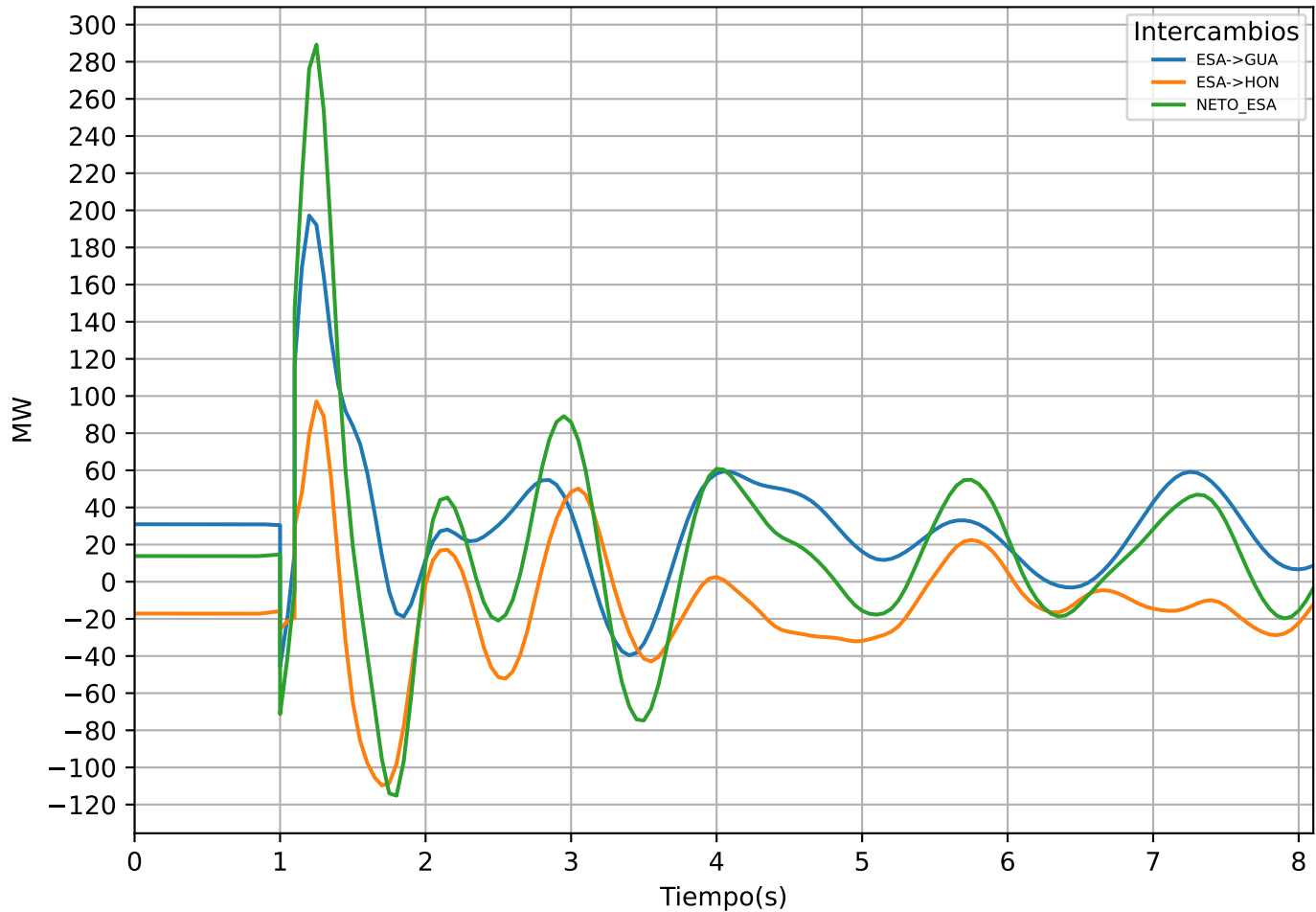
F32_15SE-SMIG: ANGULO ROTOR 2



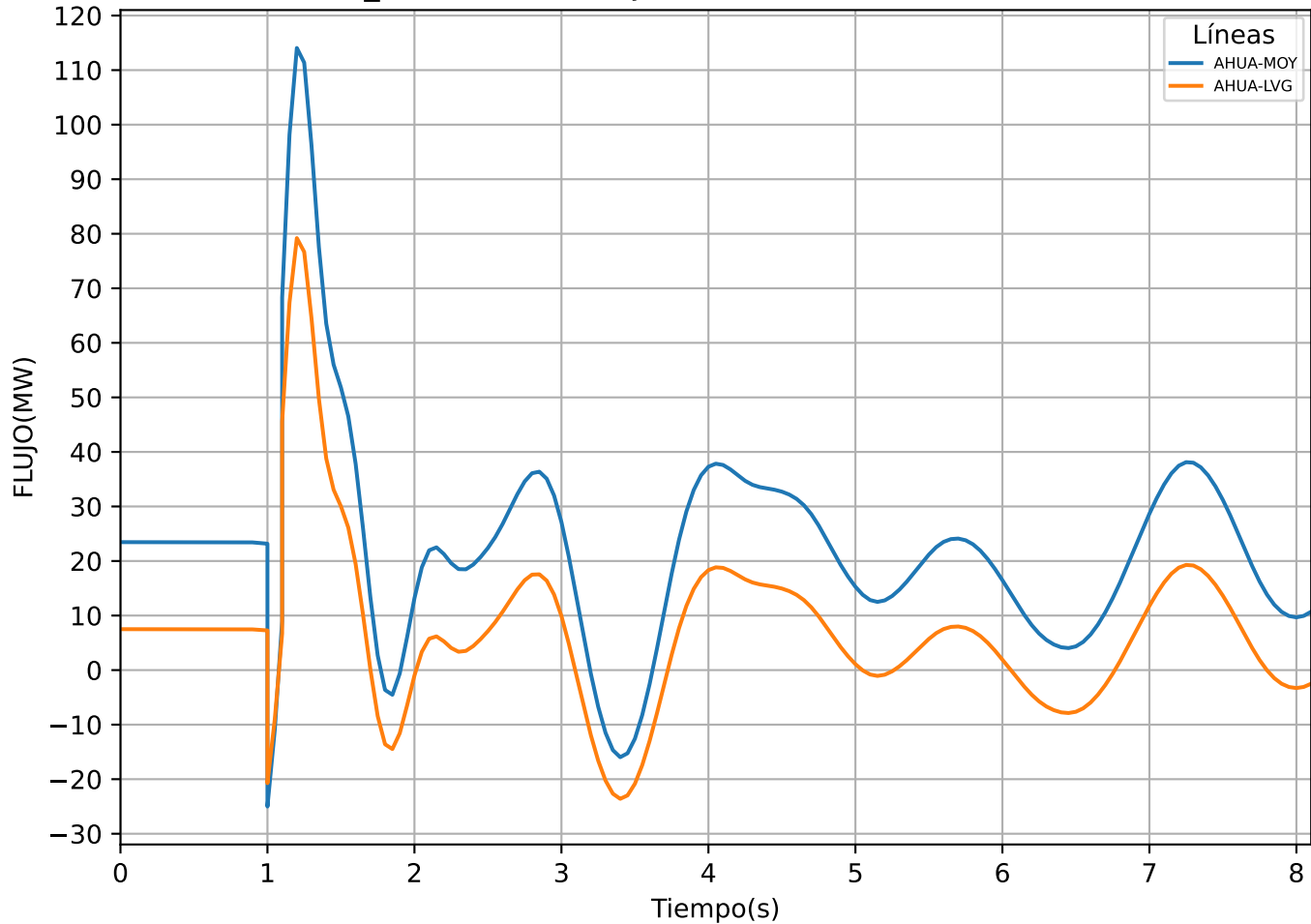
F32_15SE-SMIG: FRECUENCIA



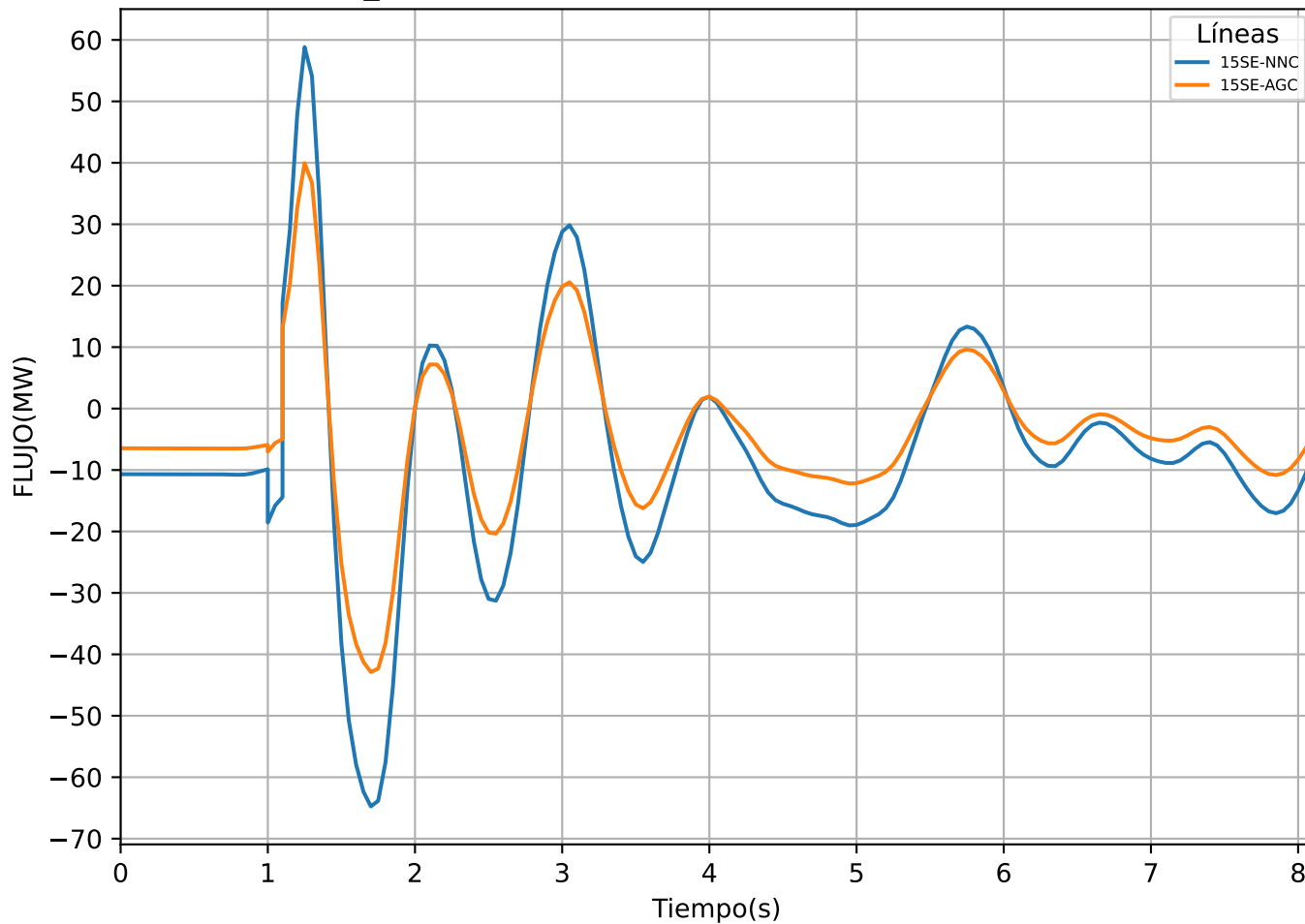
F32_15SE-SMIG: Intercambios ESA



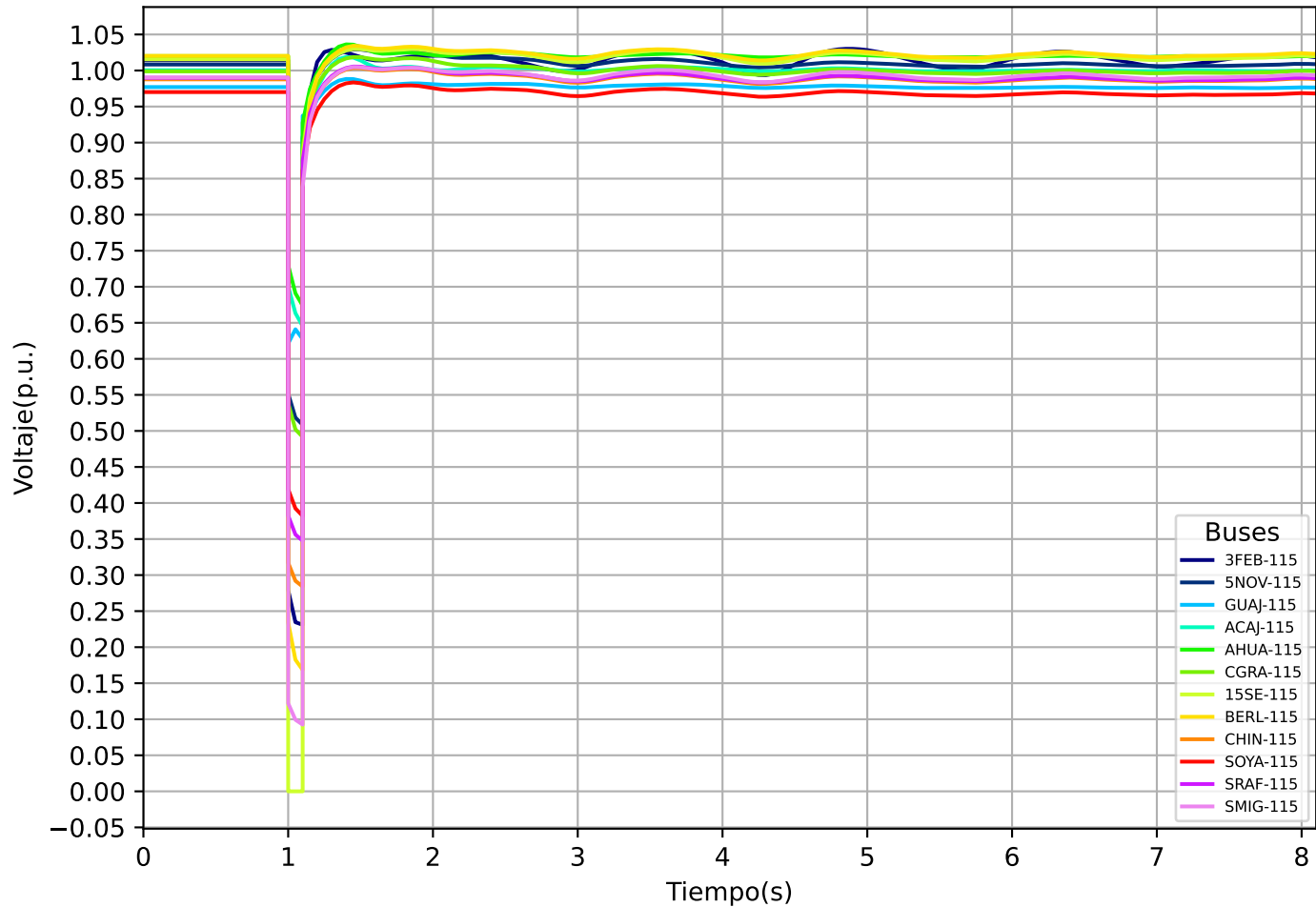
F33_15SE-SMAR: FLUJO INTERCONEXIONES ESA-GUA



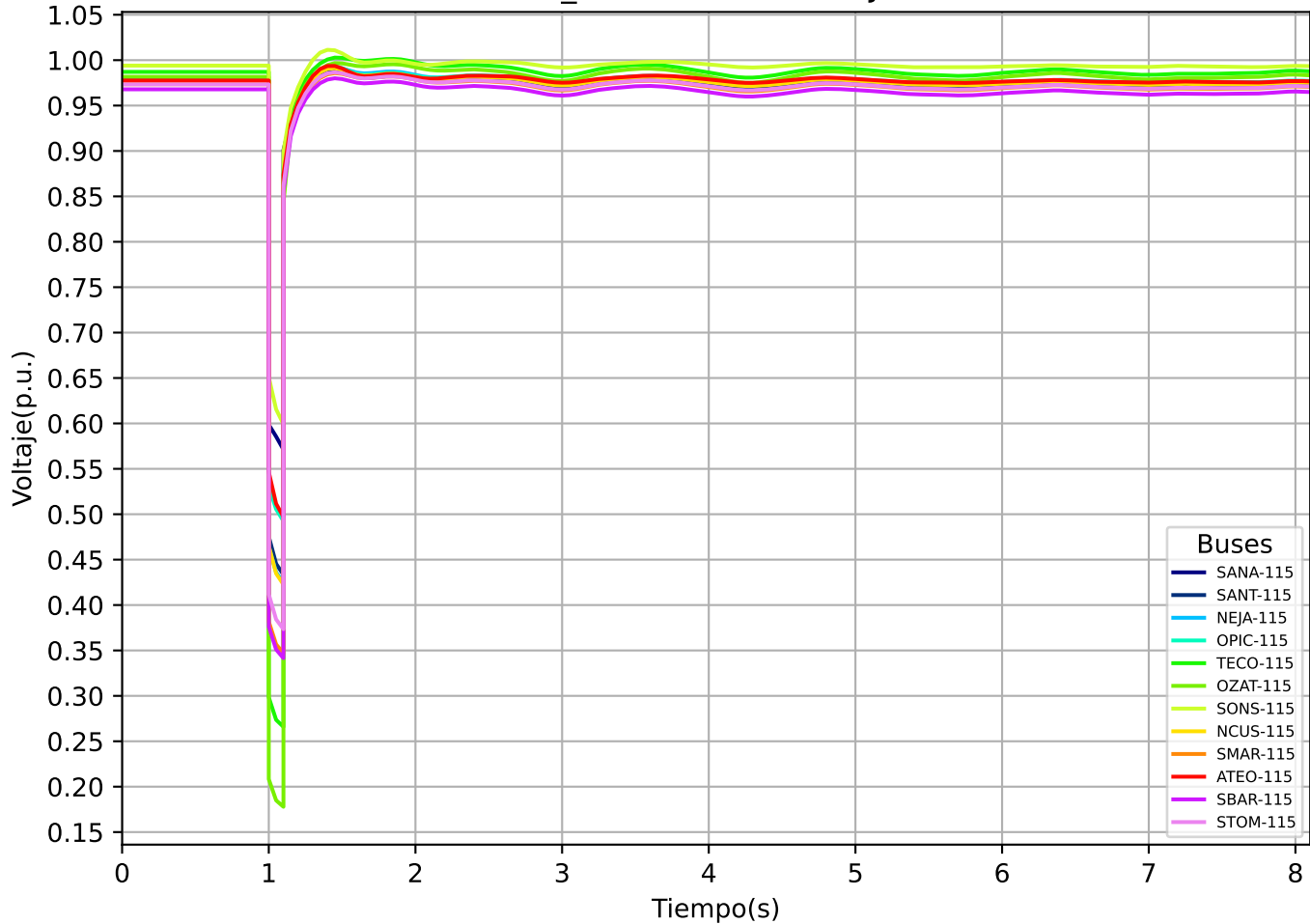
F33_15SE-SMAR: FLUJO INTERCONEXIONES ESA-HON



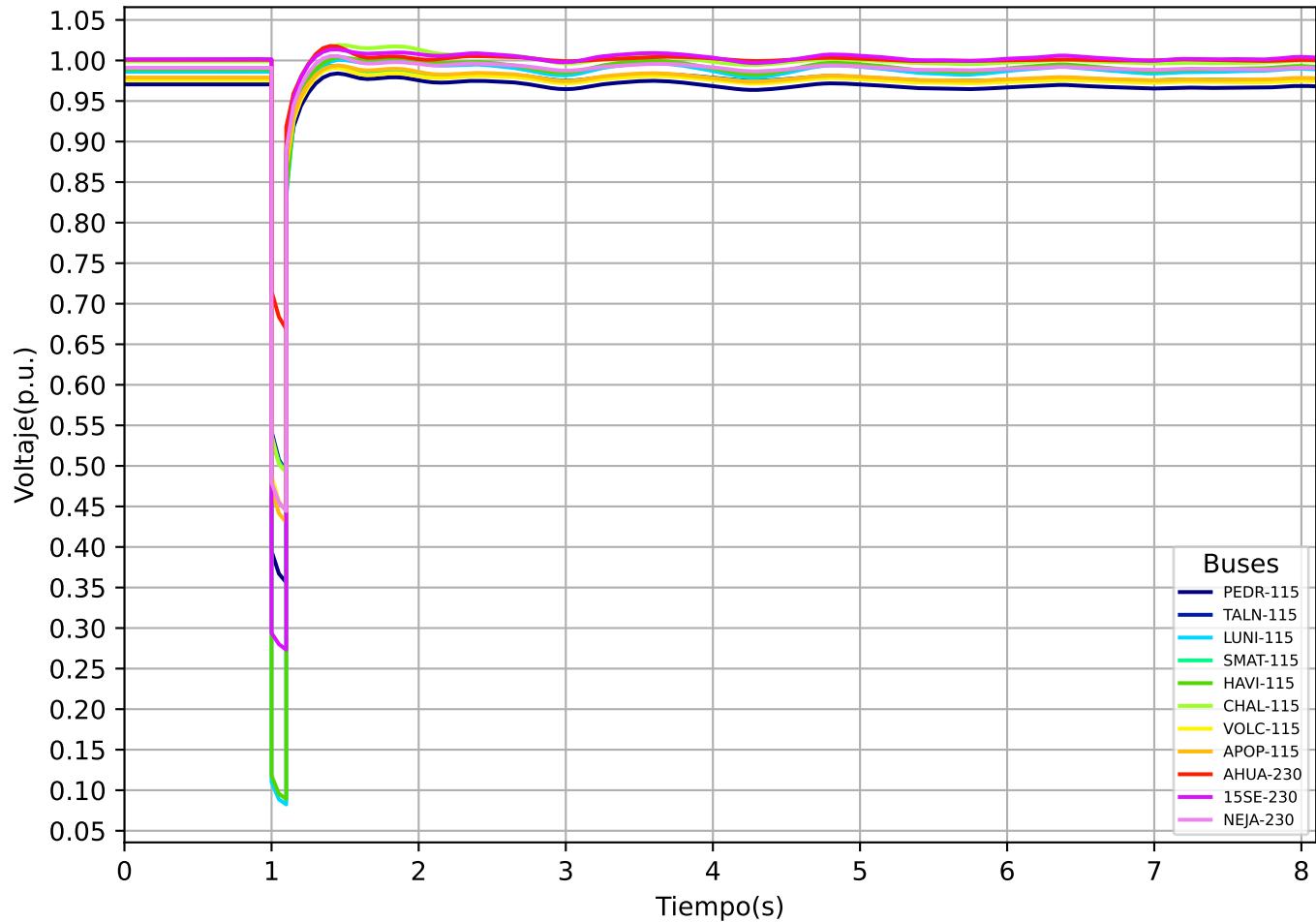
F33_15SE-SMAR: VOLTAJE 1



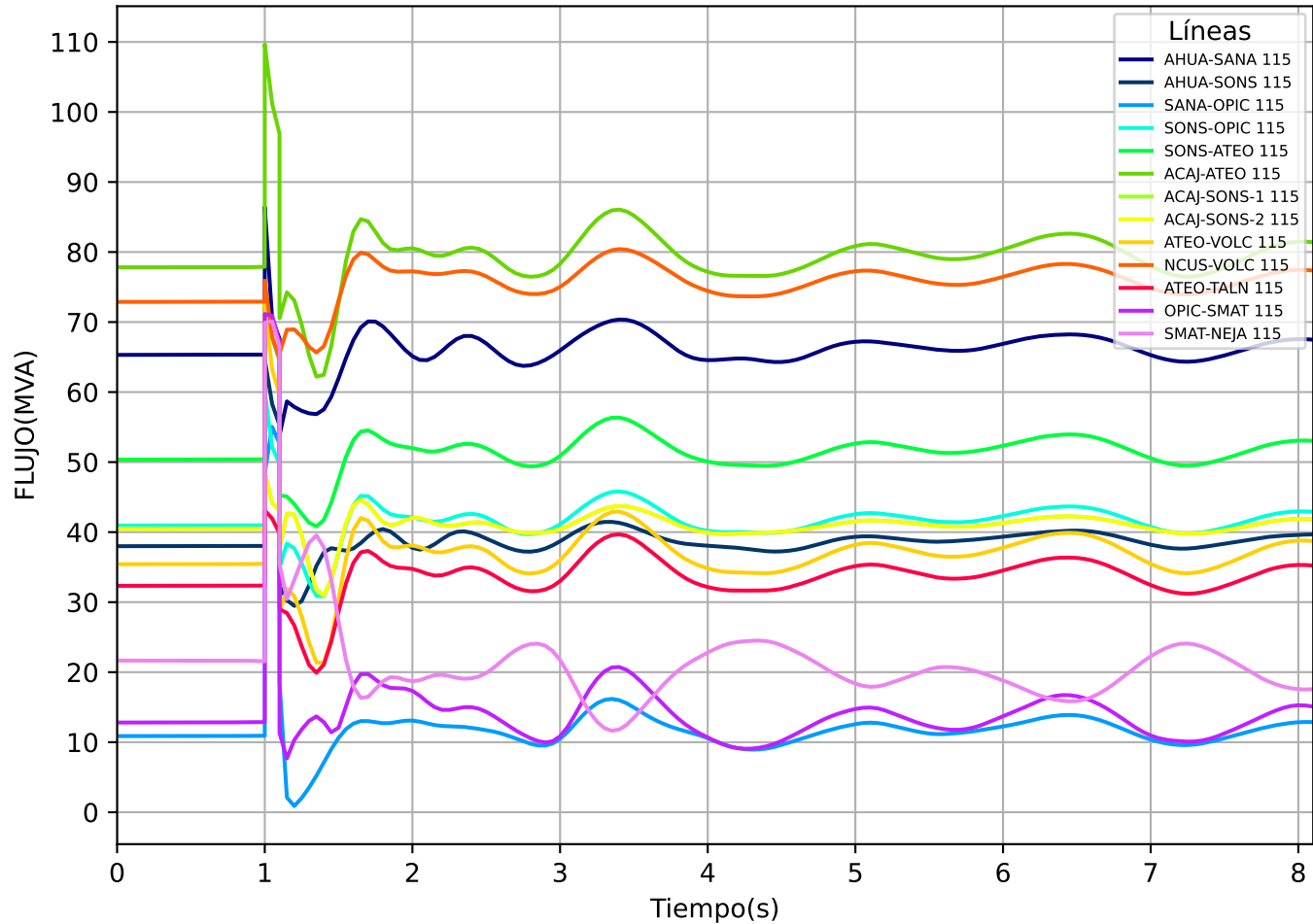
F33_15SE-SMAR: VOLTAJE 2



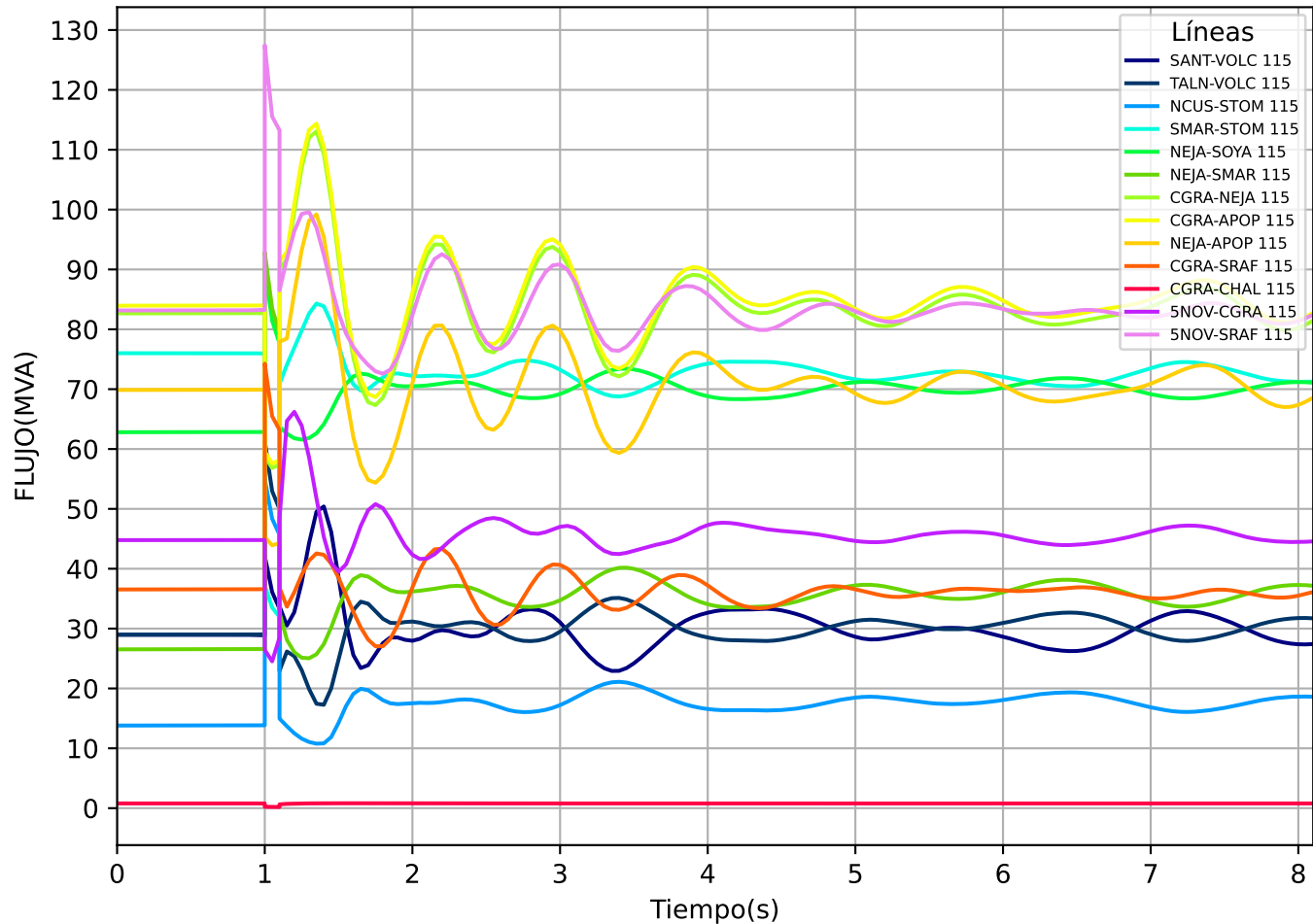
F33_15SE-SMAR: VOLTAJE 3



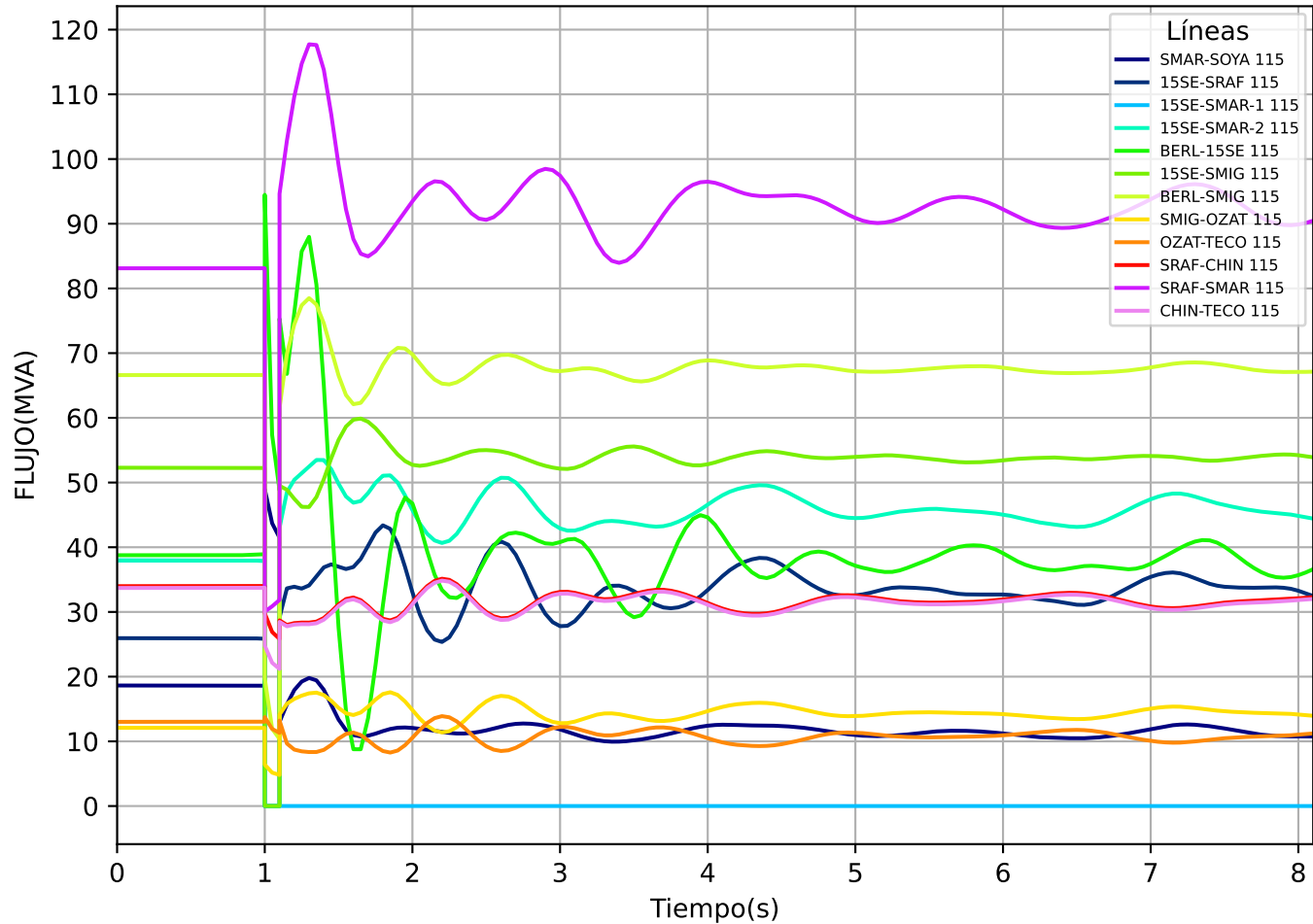
F33_15SE-SMAR: FLUJO L-115kV 1



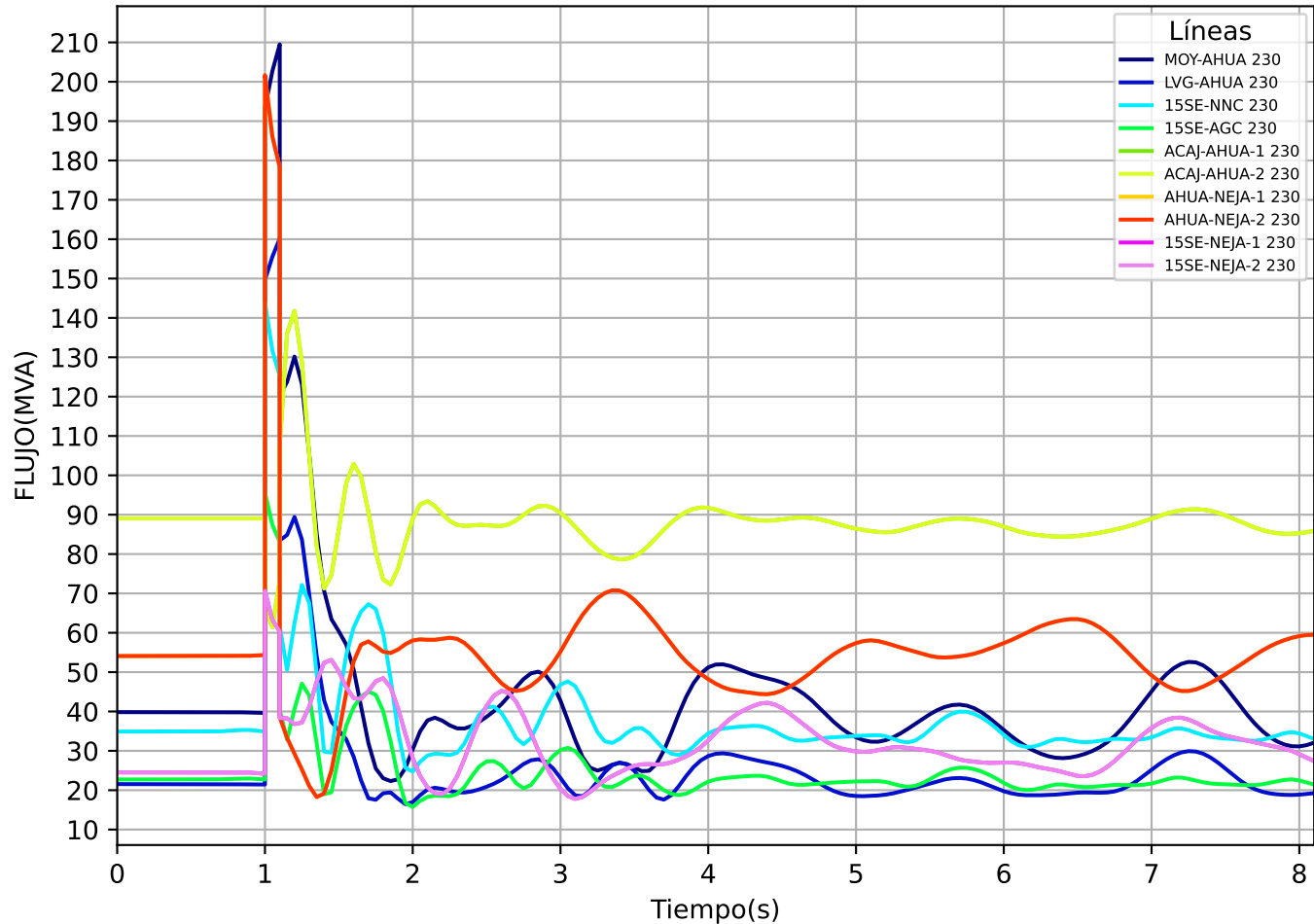
F33_15SE-SMAR: FLUJO L-115kV 2



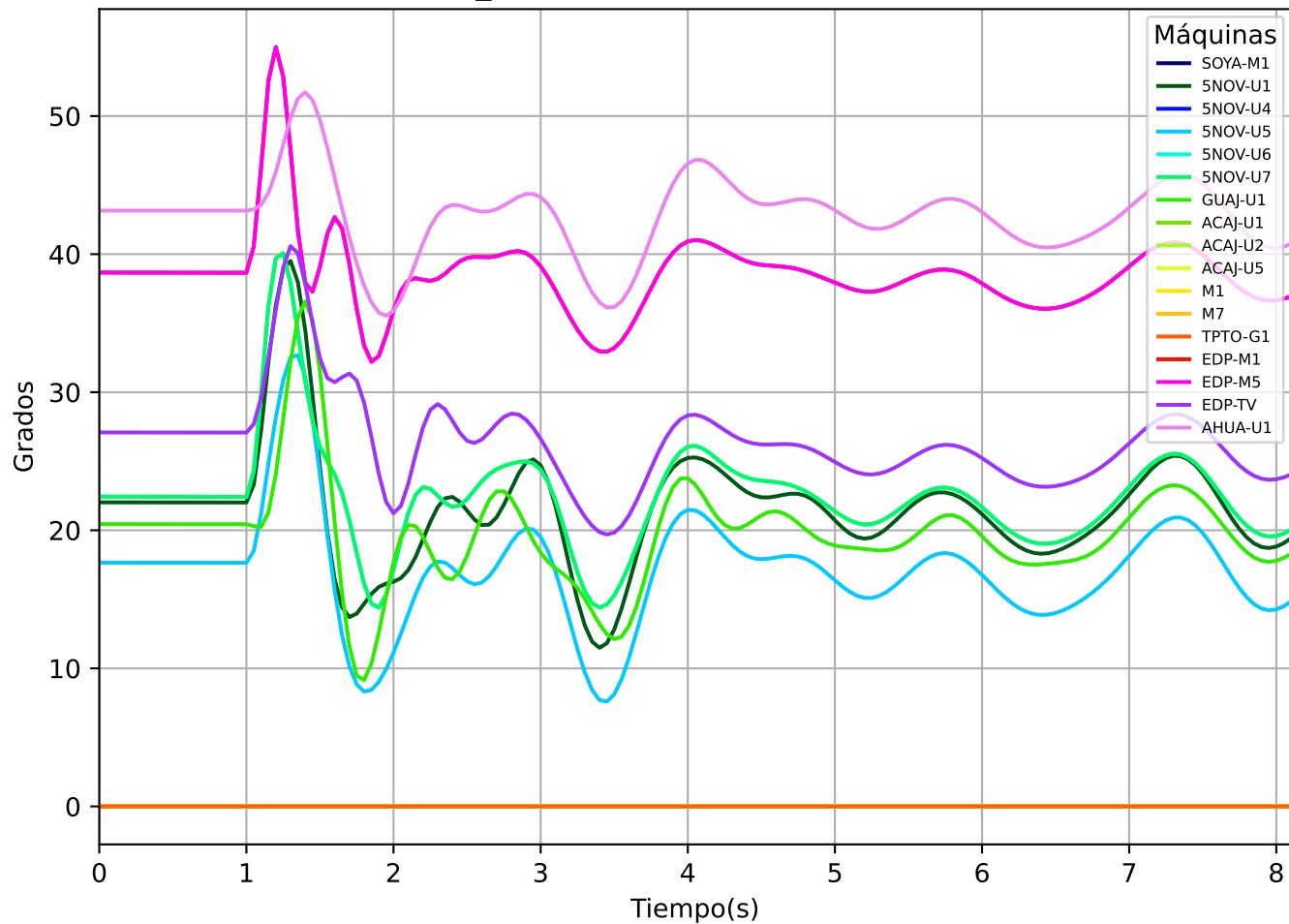
F33_15SE-SMAR: FLUJO L-115kV 3



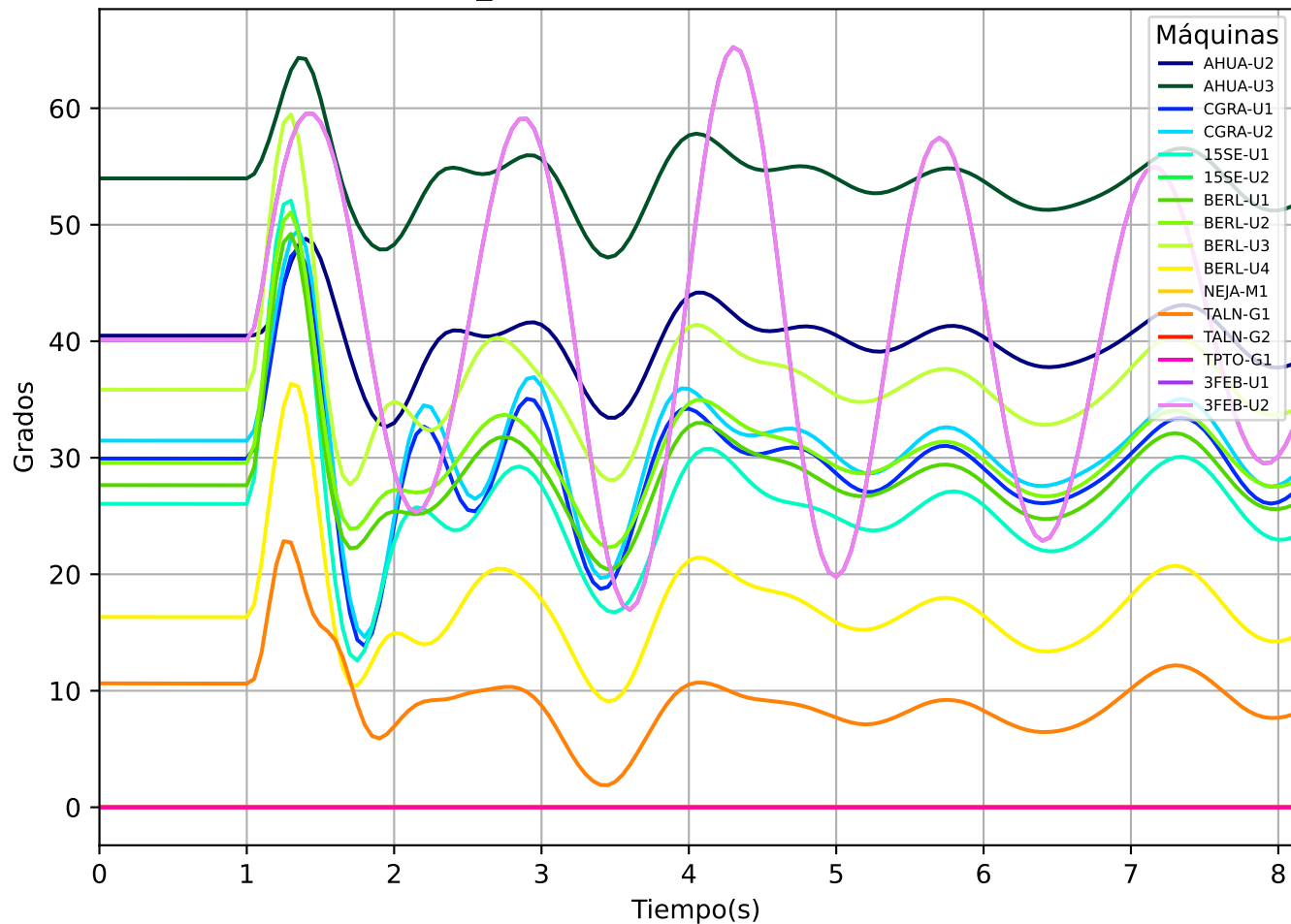
F33_15SE-SMAR: FLUJO L-230kV 4



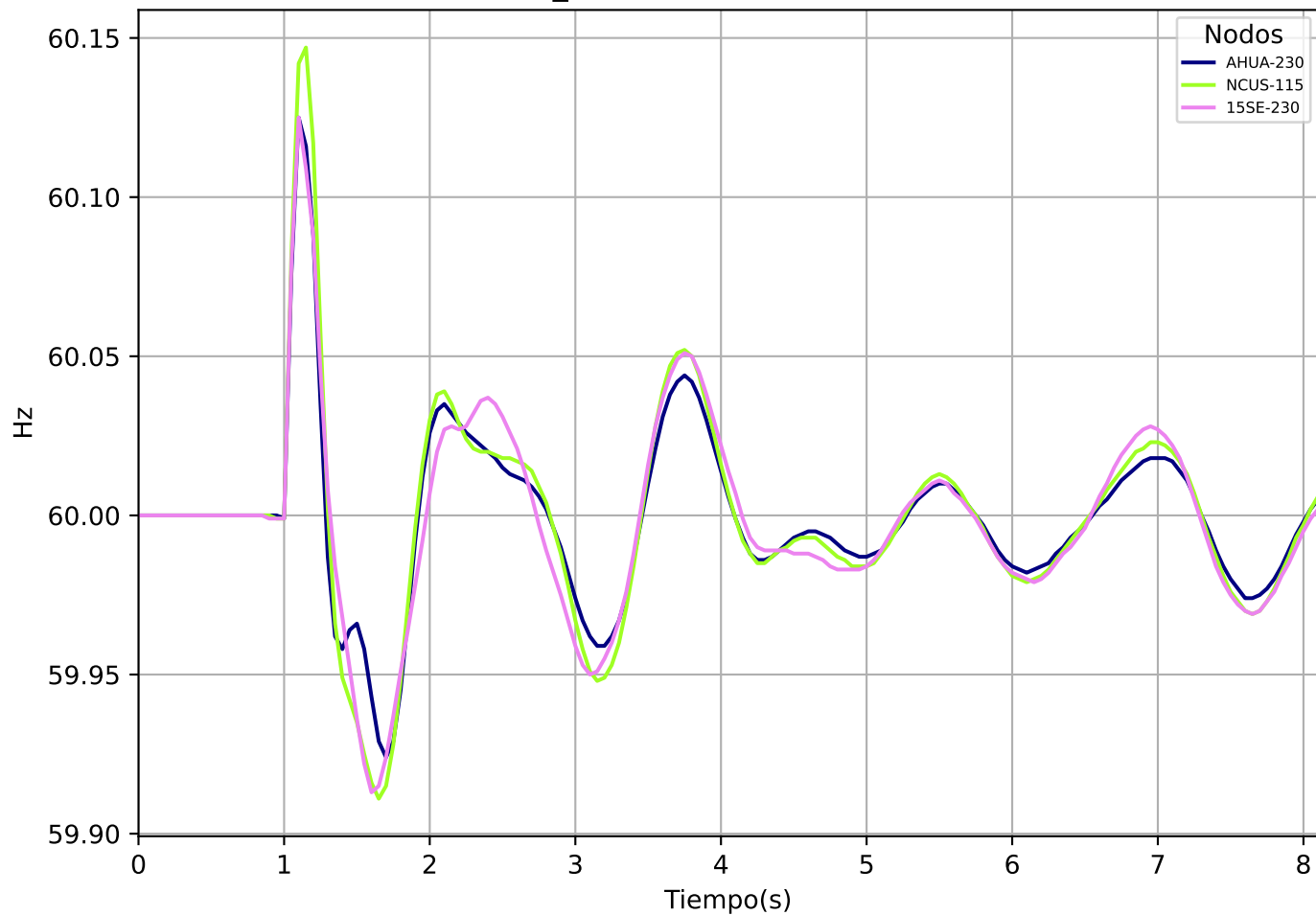
F33_15SE-SMAR: ANGULO ROTOR 1



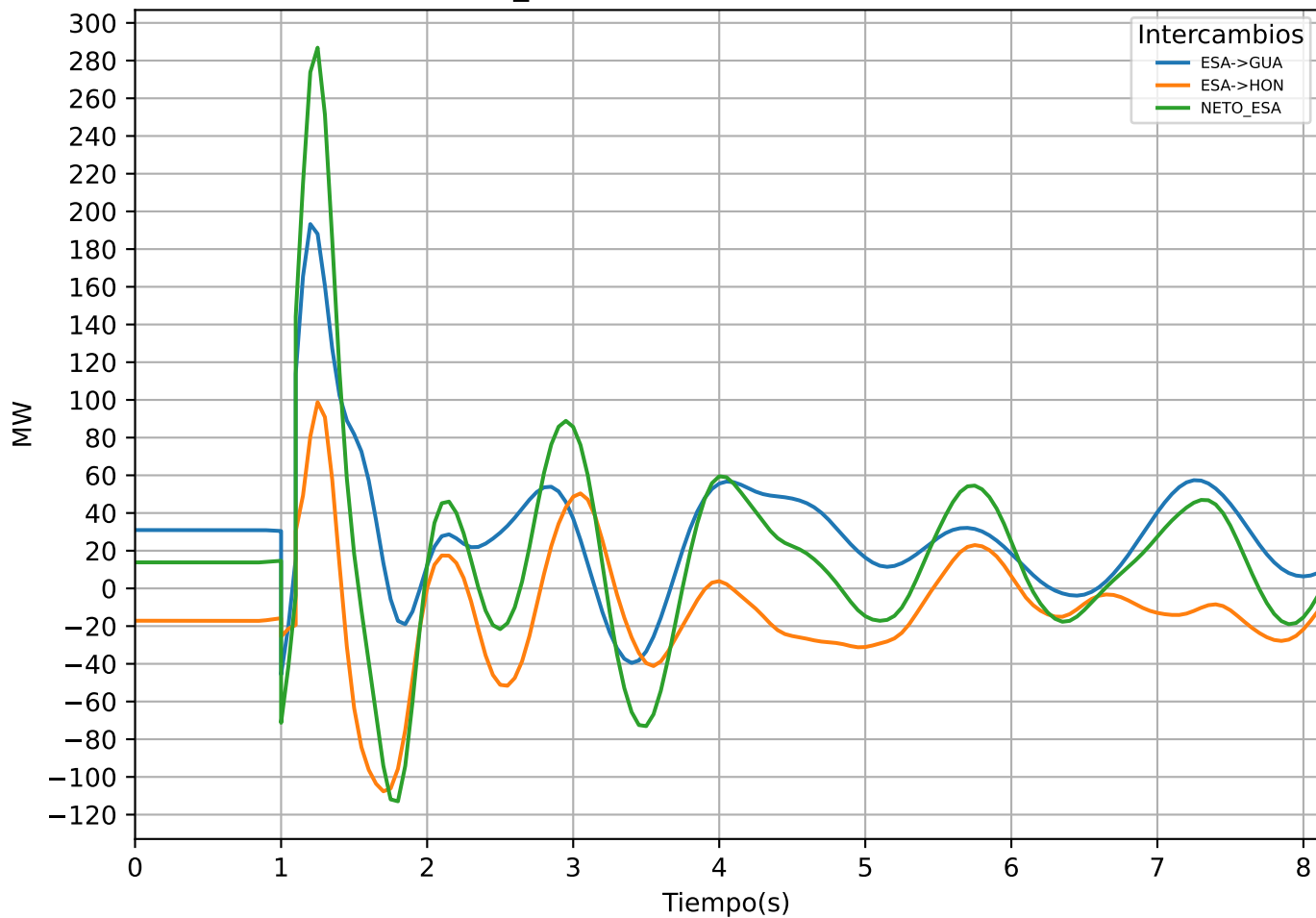
F33_15SE-SMAR: ANGULO ROTOR 2



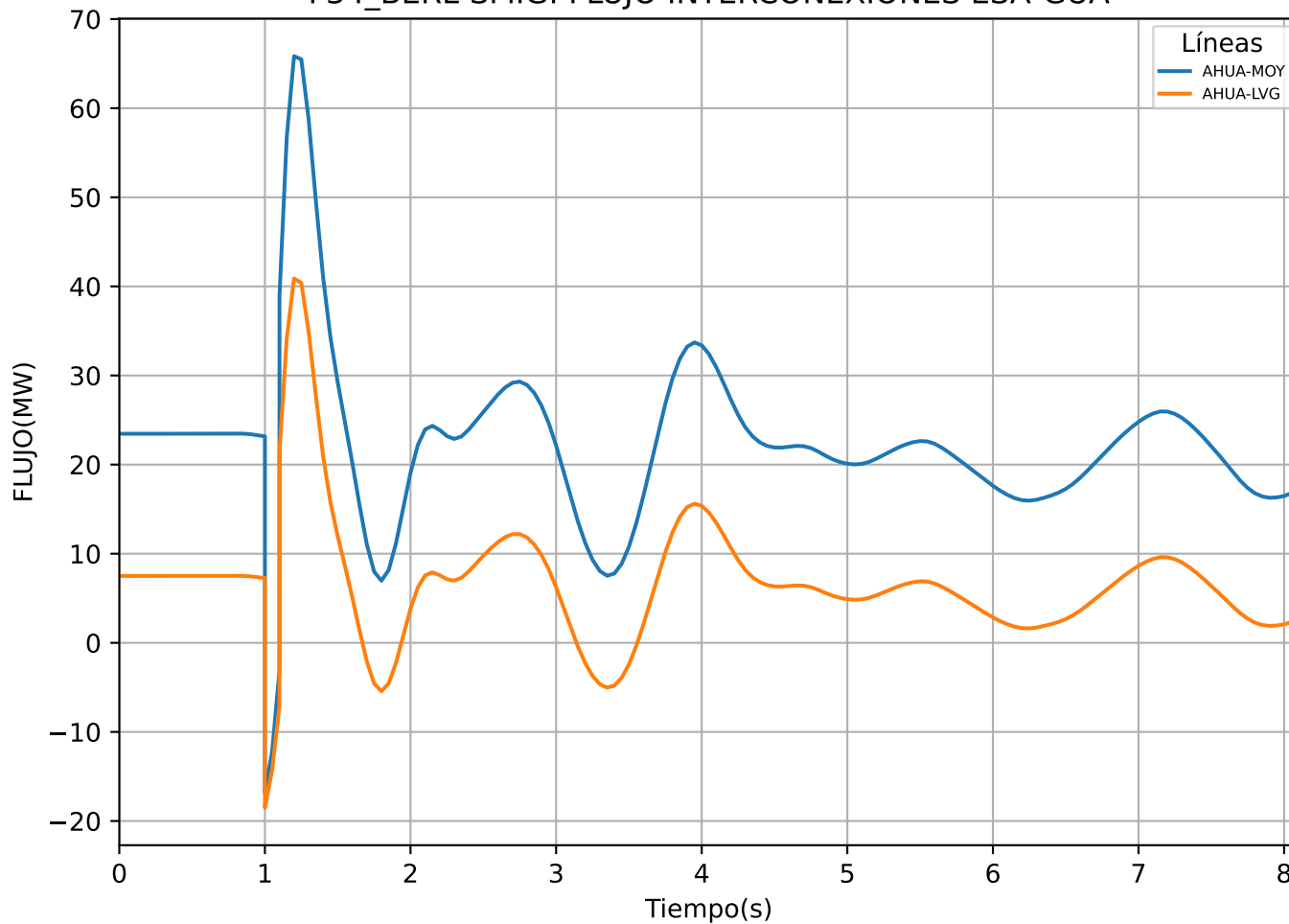
F33_15SE-SMAR: FRECUENCIA



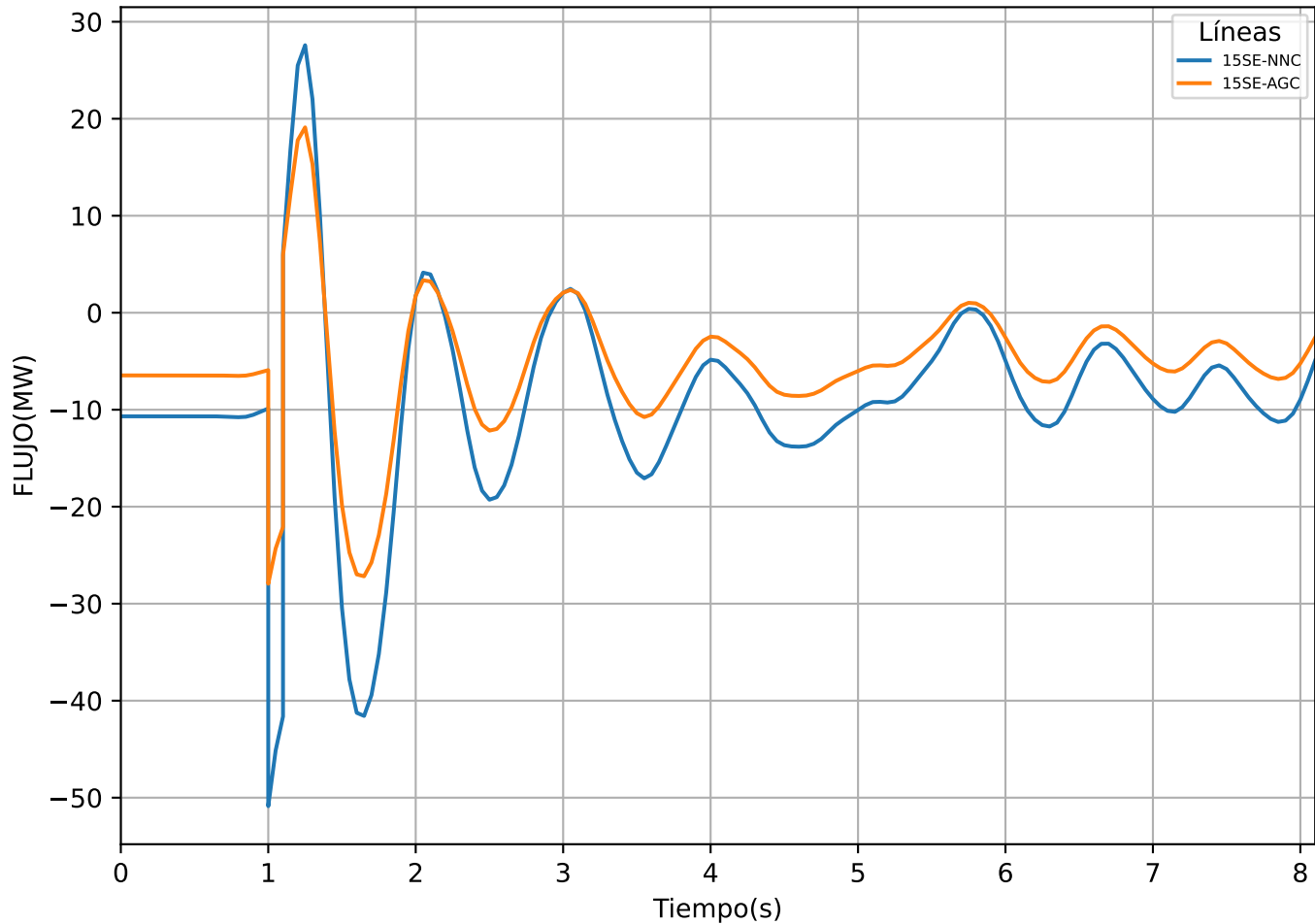
F33_15SE-SMAR: Intercambios ESA



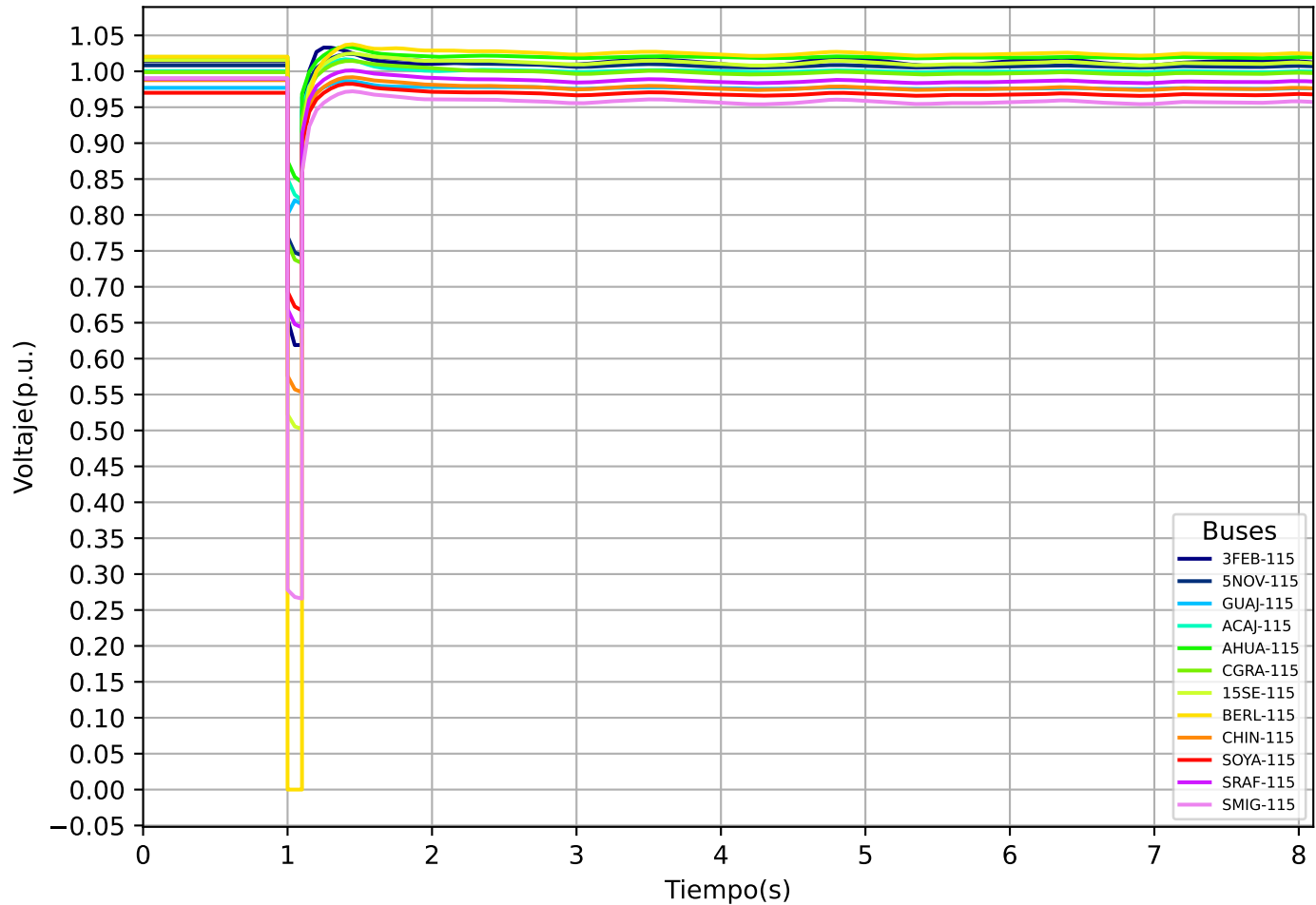
F34_BERL-SMIG: FLUJO INTERCONEXIONES ESA-GUA



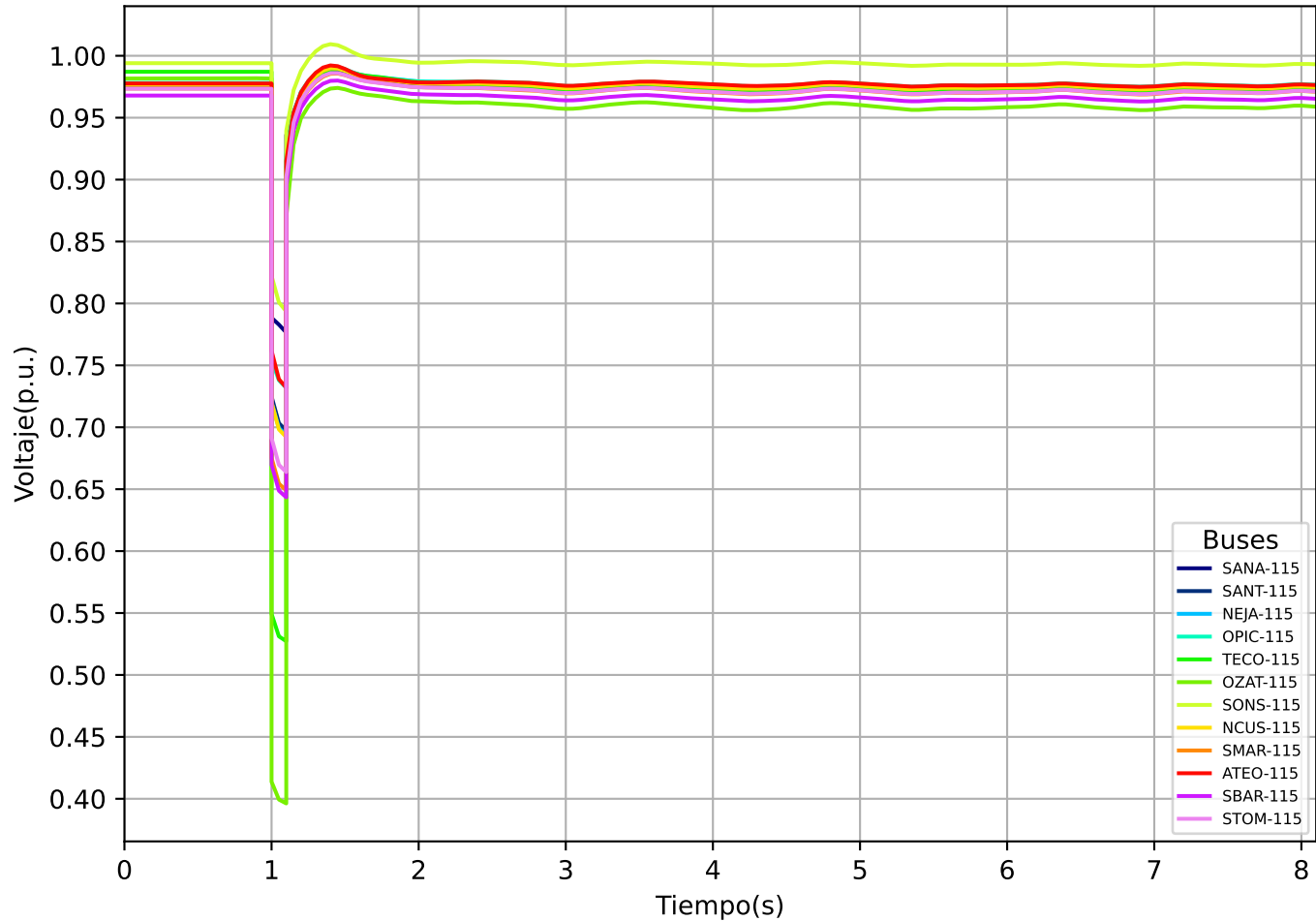
F34_BERL-SMIG: FLUJO INTERCONEXIONES ESA-HON



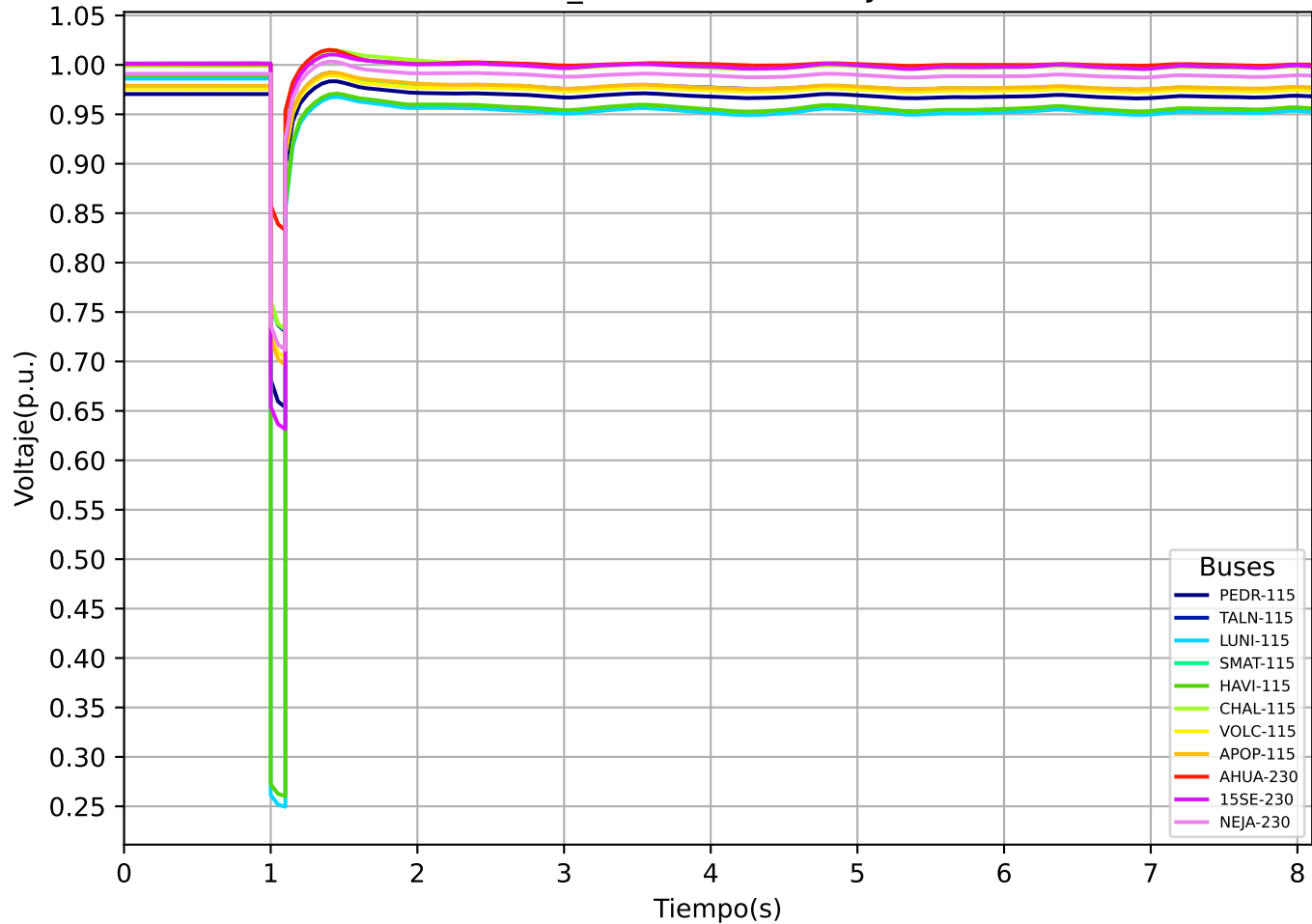
F34_BERL-SMIG: VOLTAJE 1



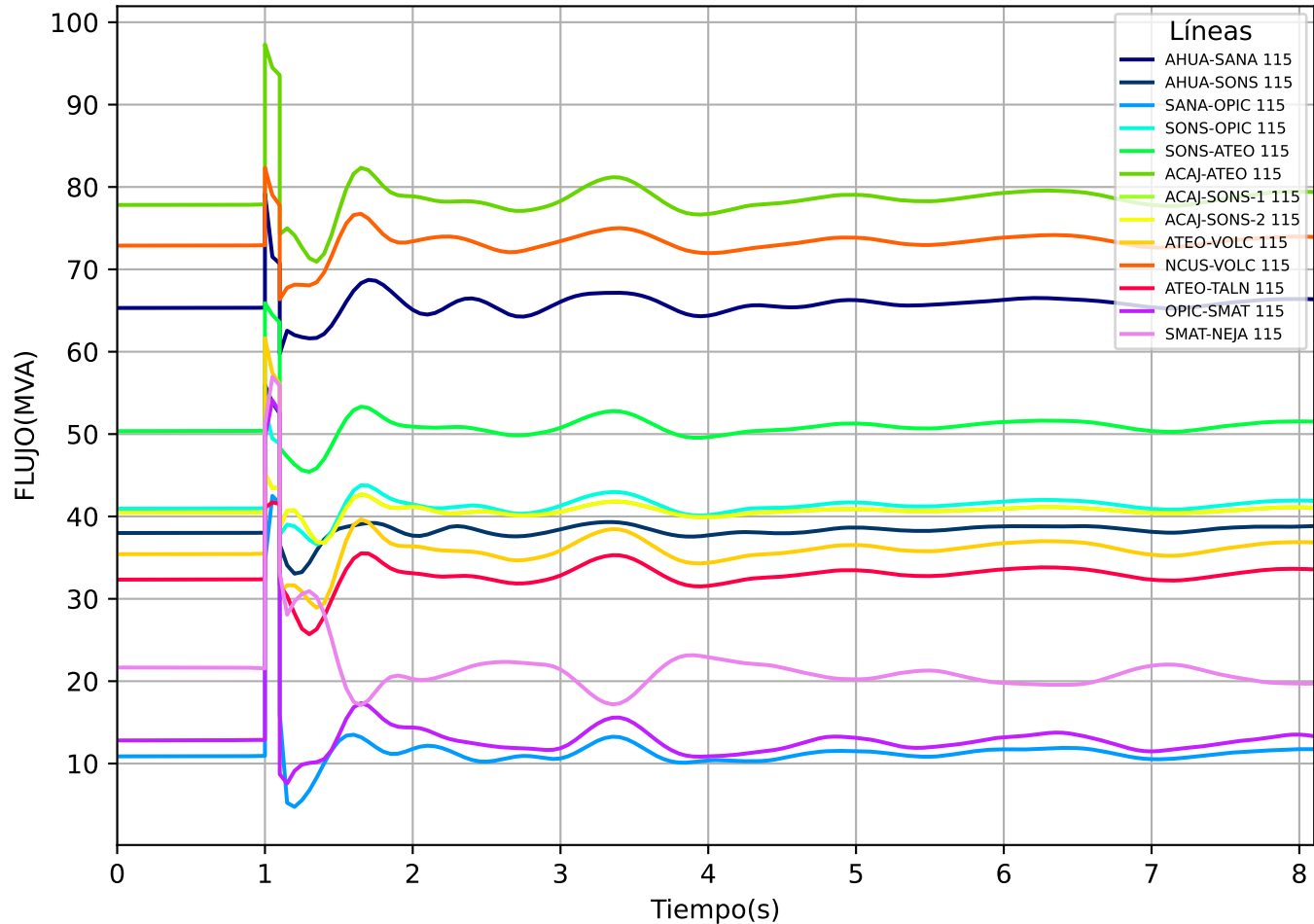
F34_BERL-SMIG: VOLTAJE 2



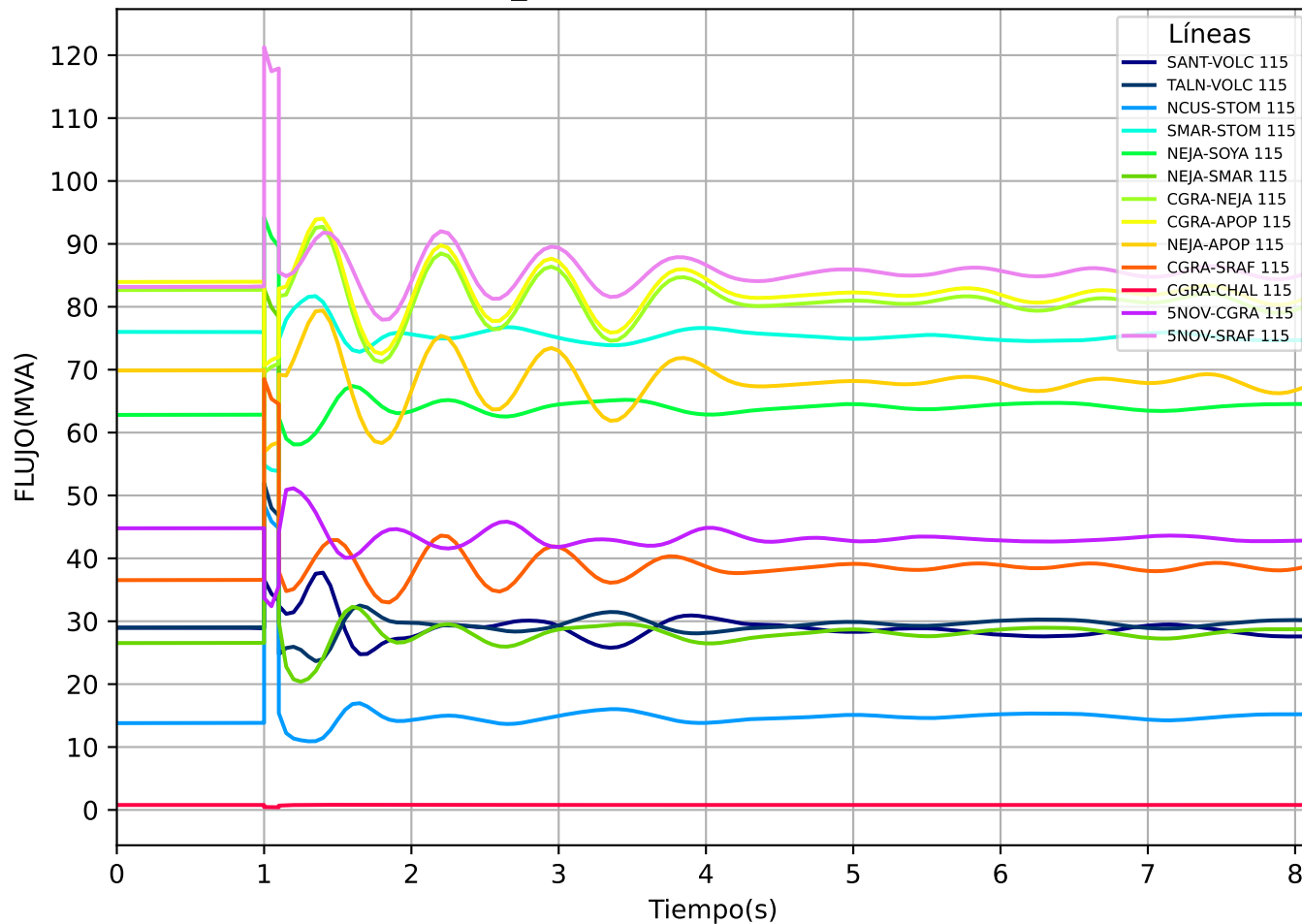
F34_BERL-SMIG: VOLTAJE 3



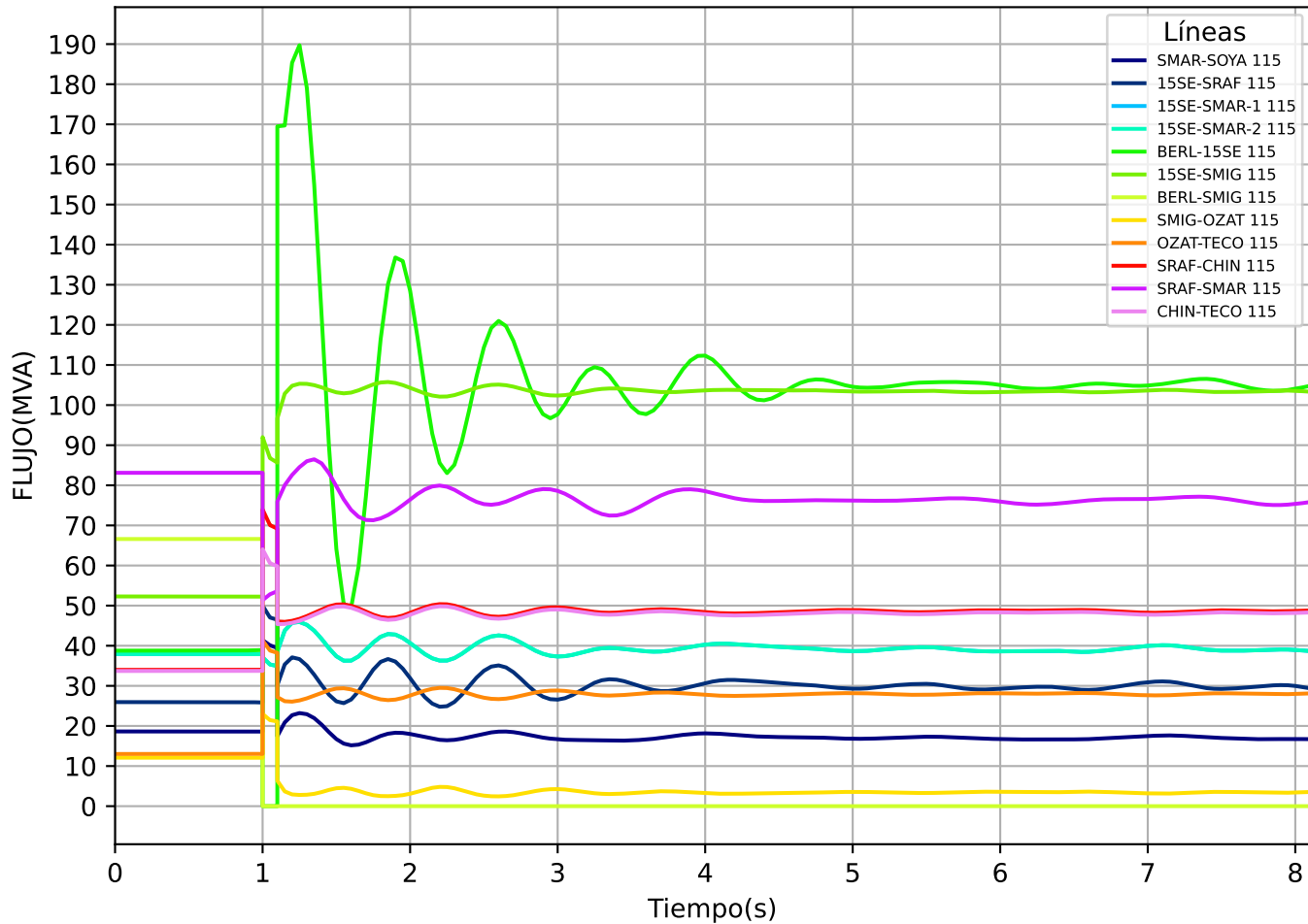
F34_BERL-SMIG: FLUJO L-115kV 1



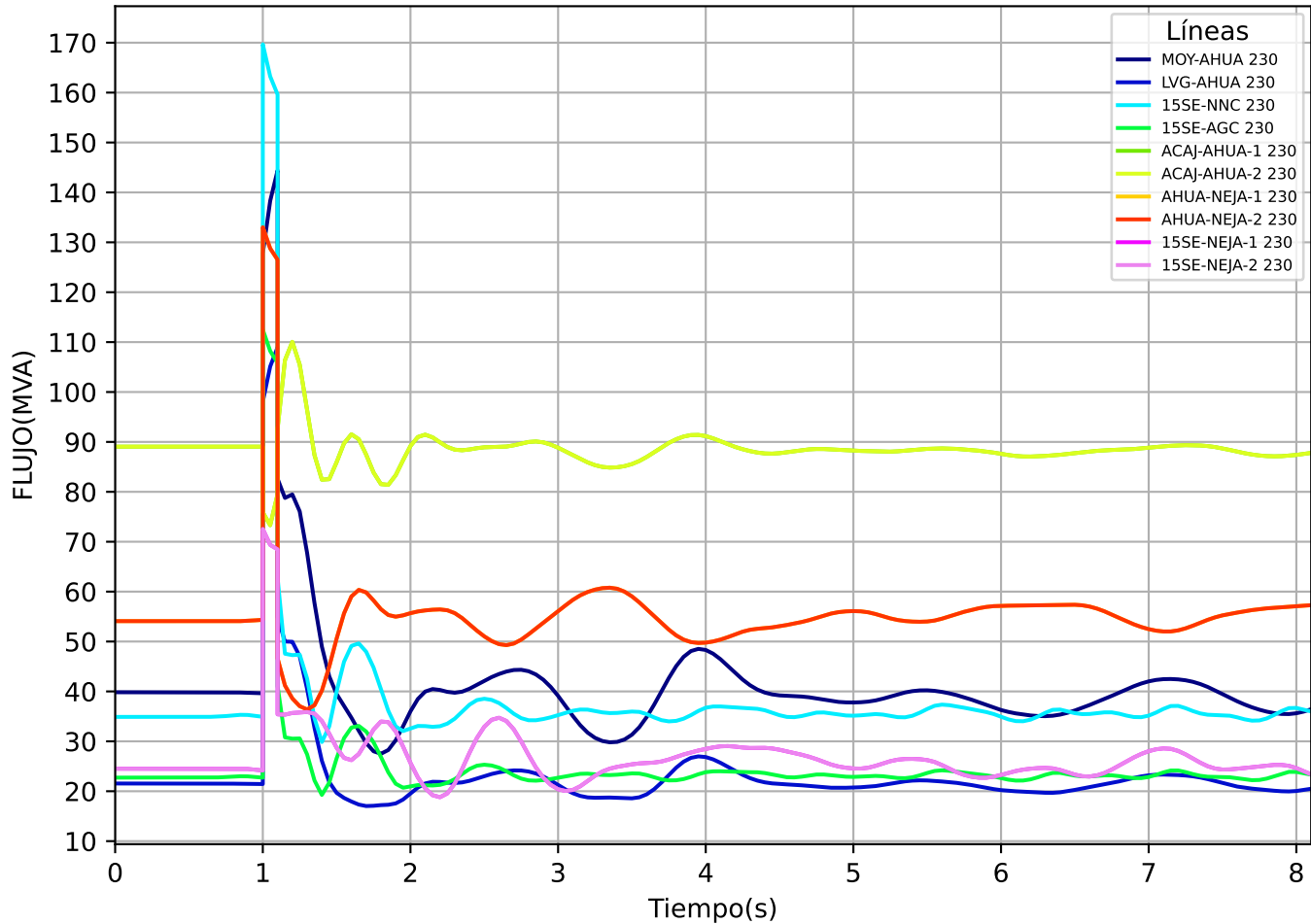
F34_BERL-SMIG: FLUJO L-115kV 2



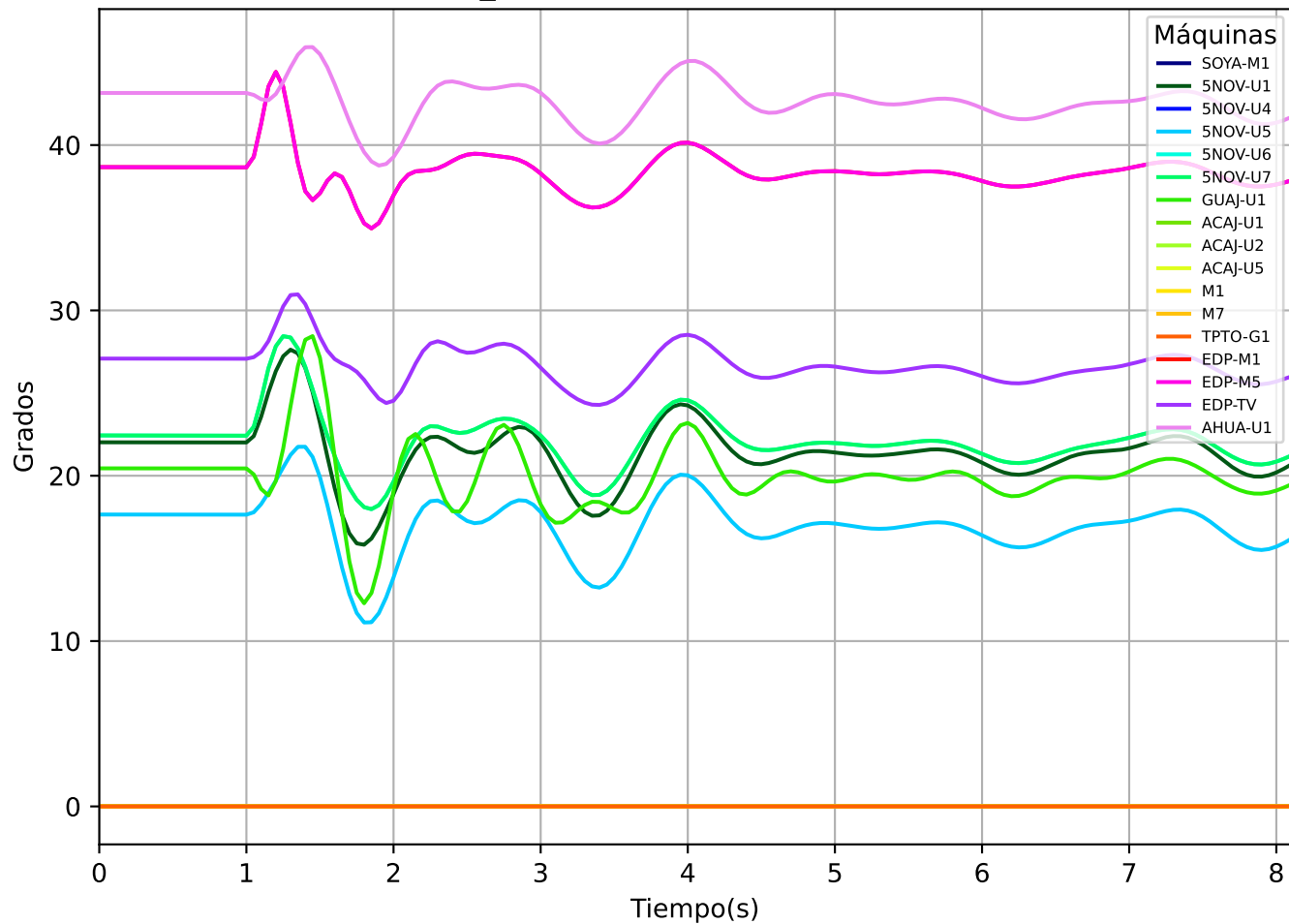
F34 BERL-SMIG: FLUJO L-115kV 3



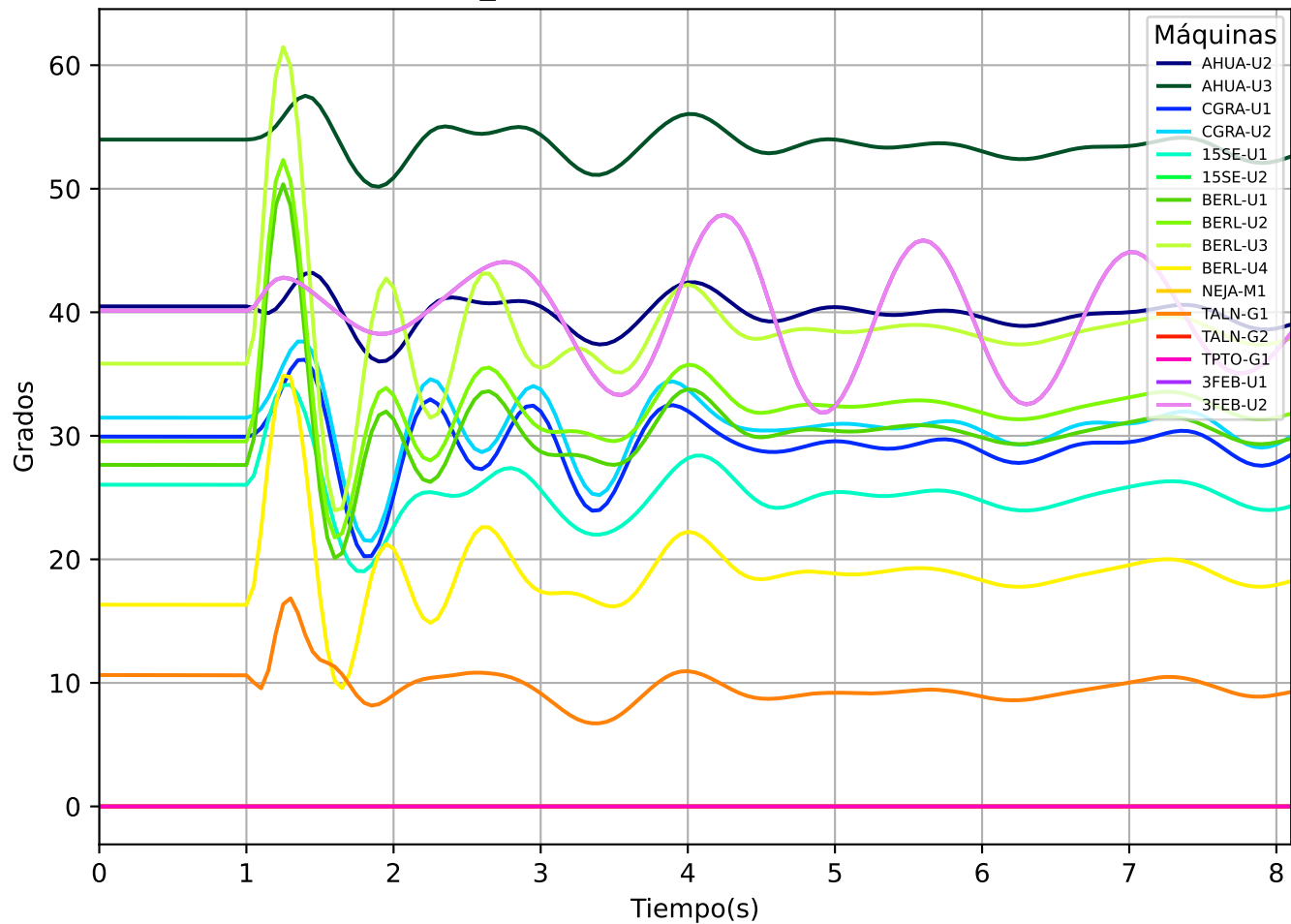
F34_BERL-SMIG: FLUJO L-230kV 4



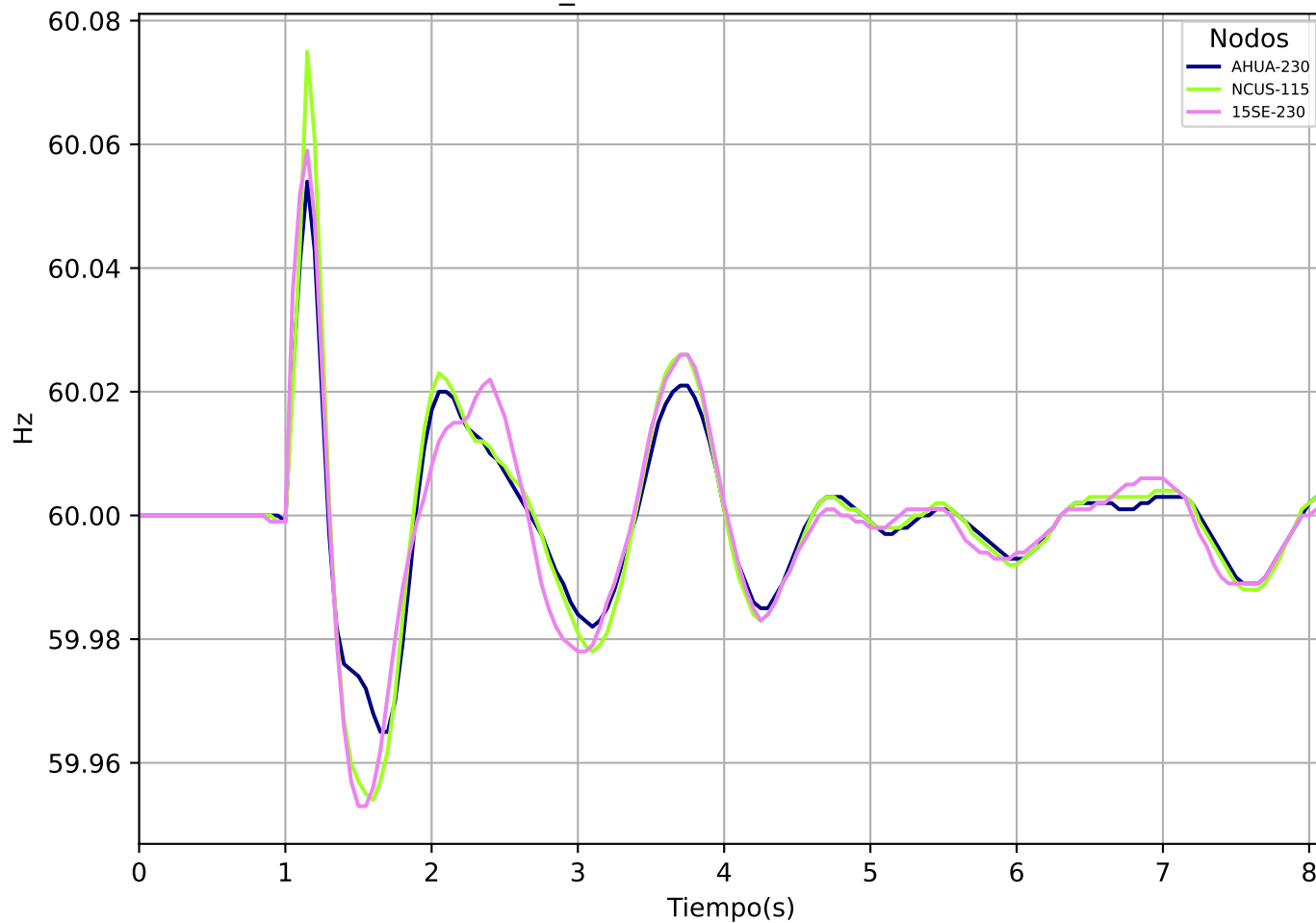
F34_BERL-SMIG: ANGULO ROTOR 1



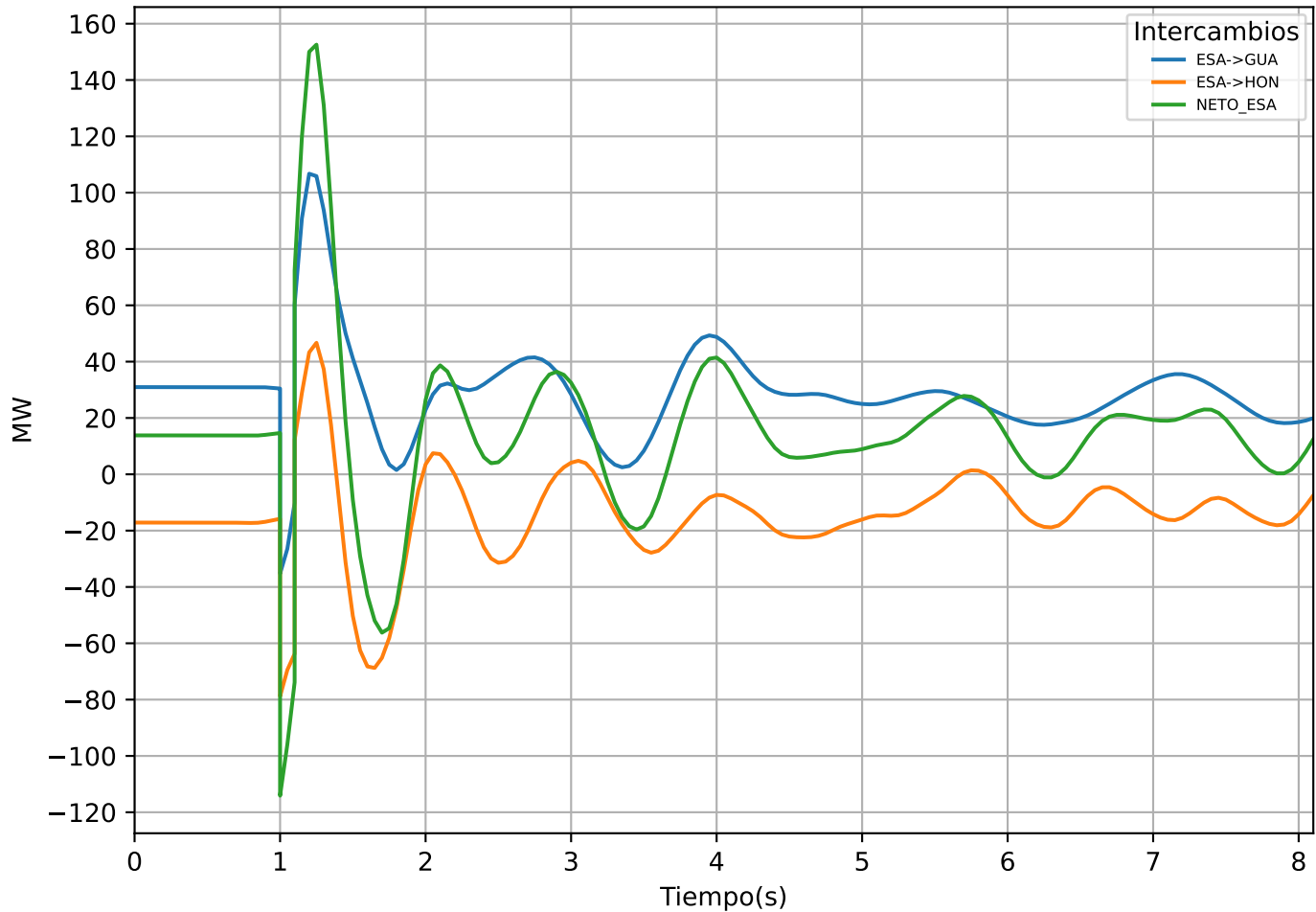
F34_BERL-SMIG: ANGULO ROTOR 2



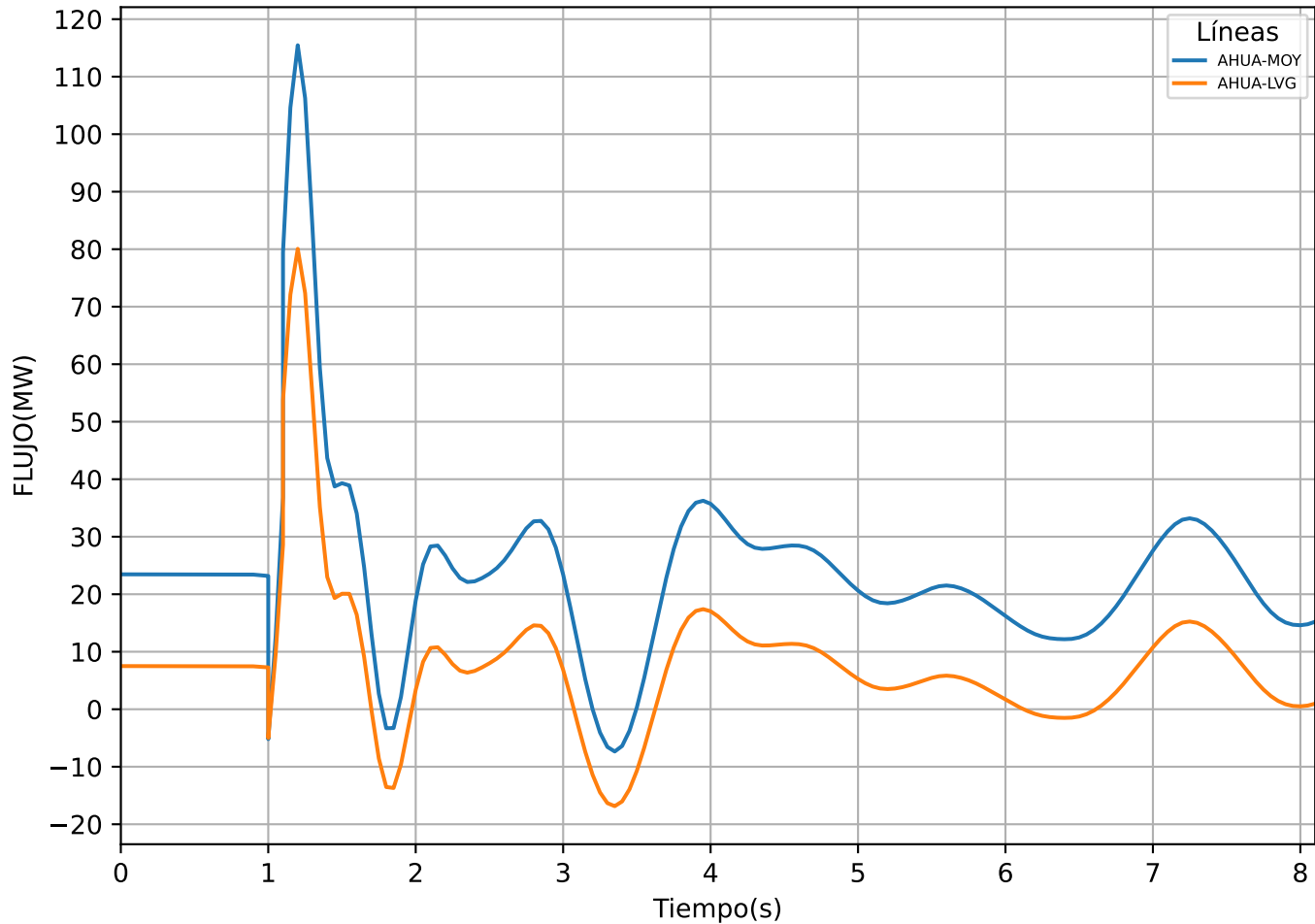
F34_BERL-SMIG: FRECUENCIA



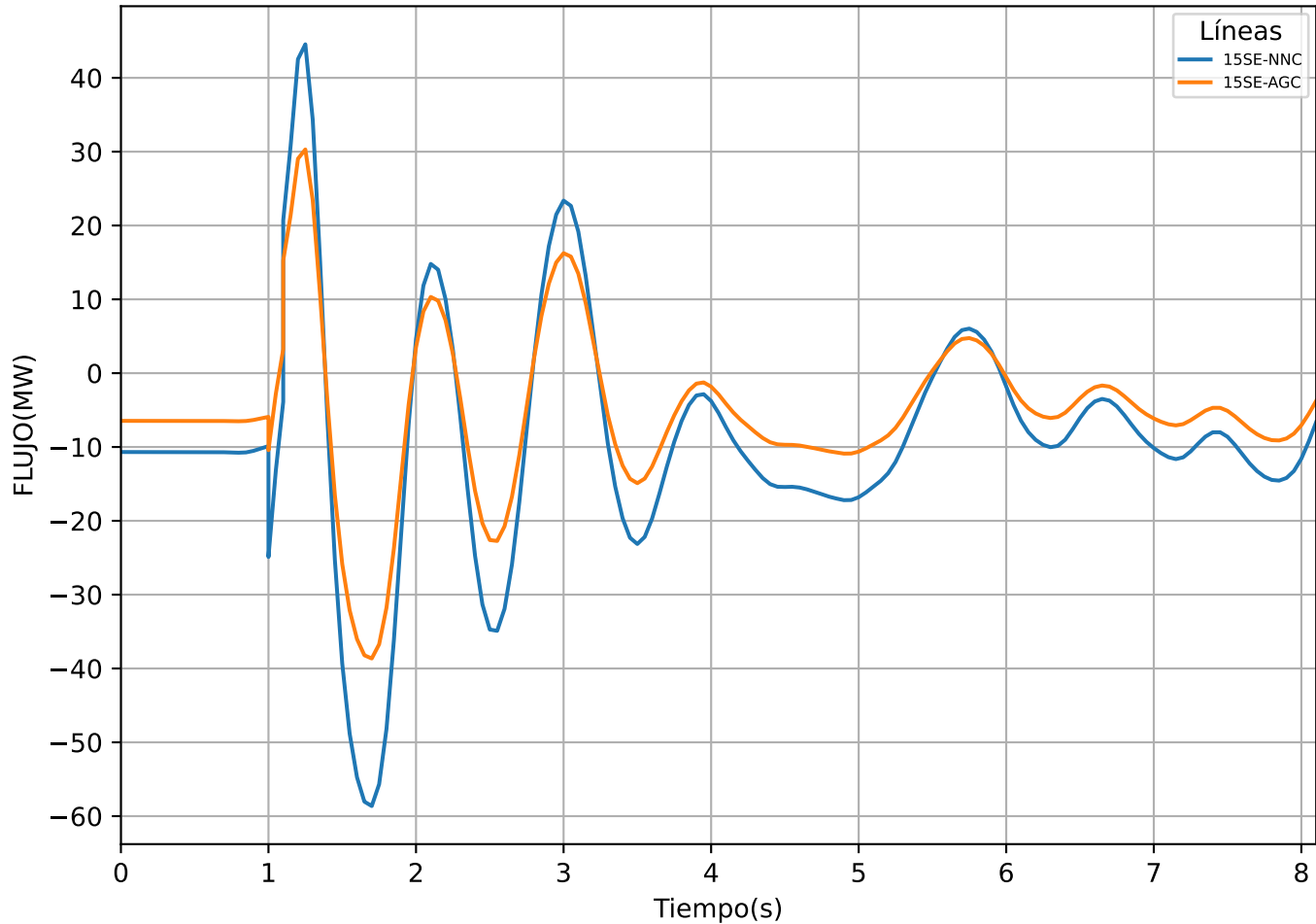
F34_BERL-SMIG: Intercambios ESA



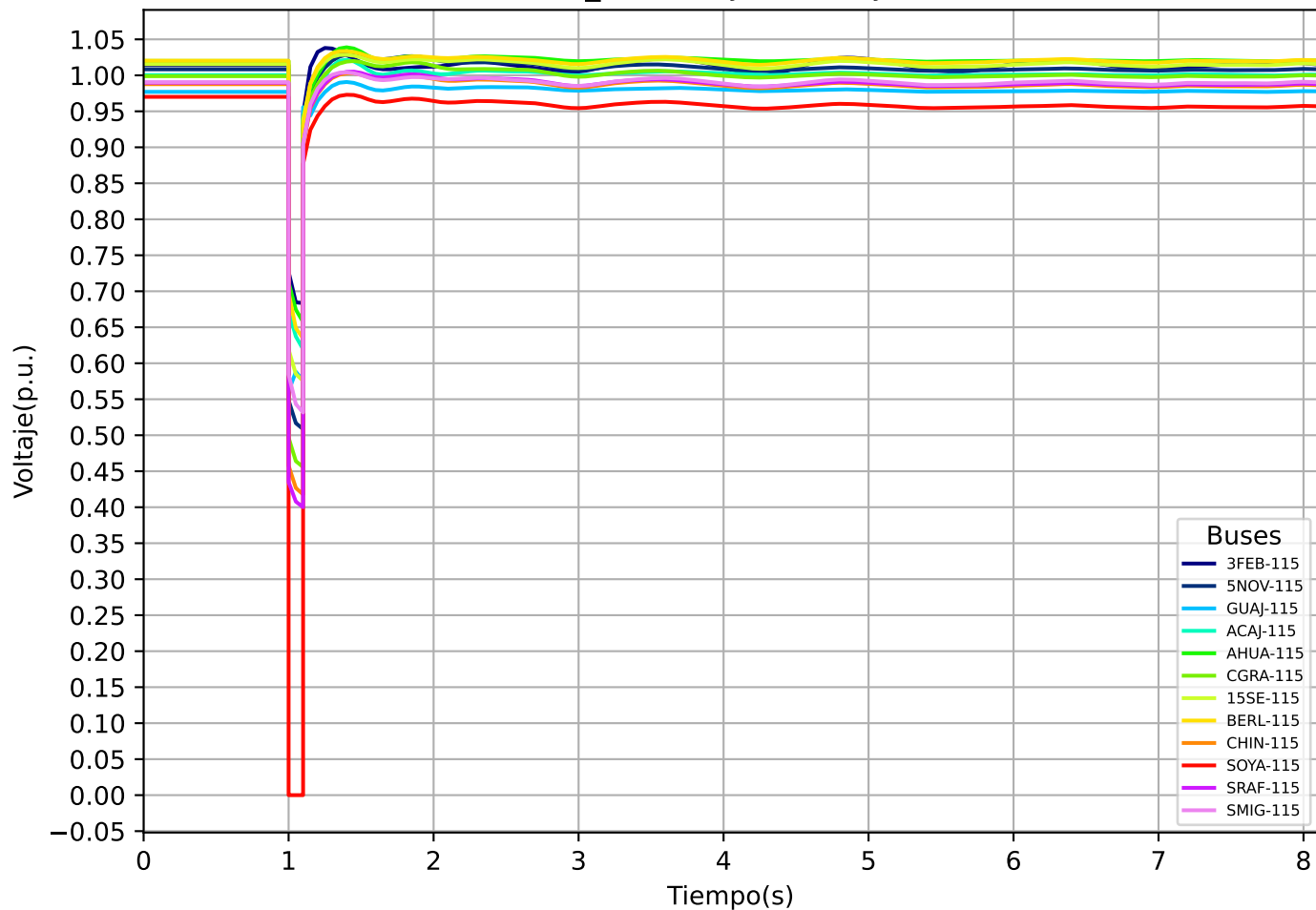
F35_SOYA-NEJA: FLUJO INTERCONEXIONES ESA-GUA



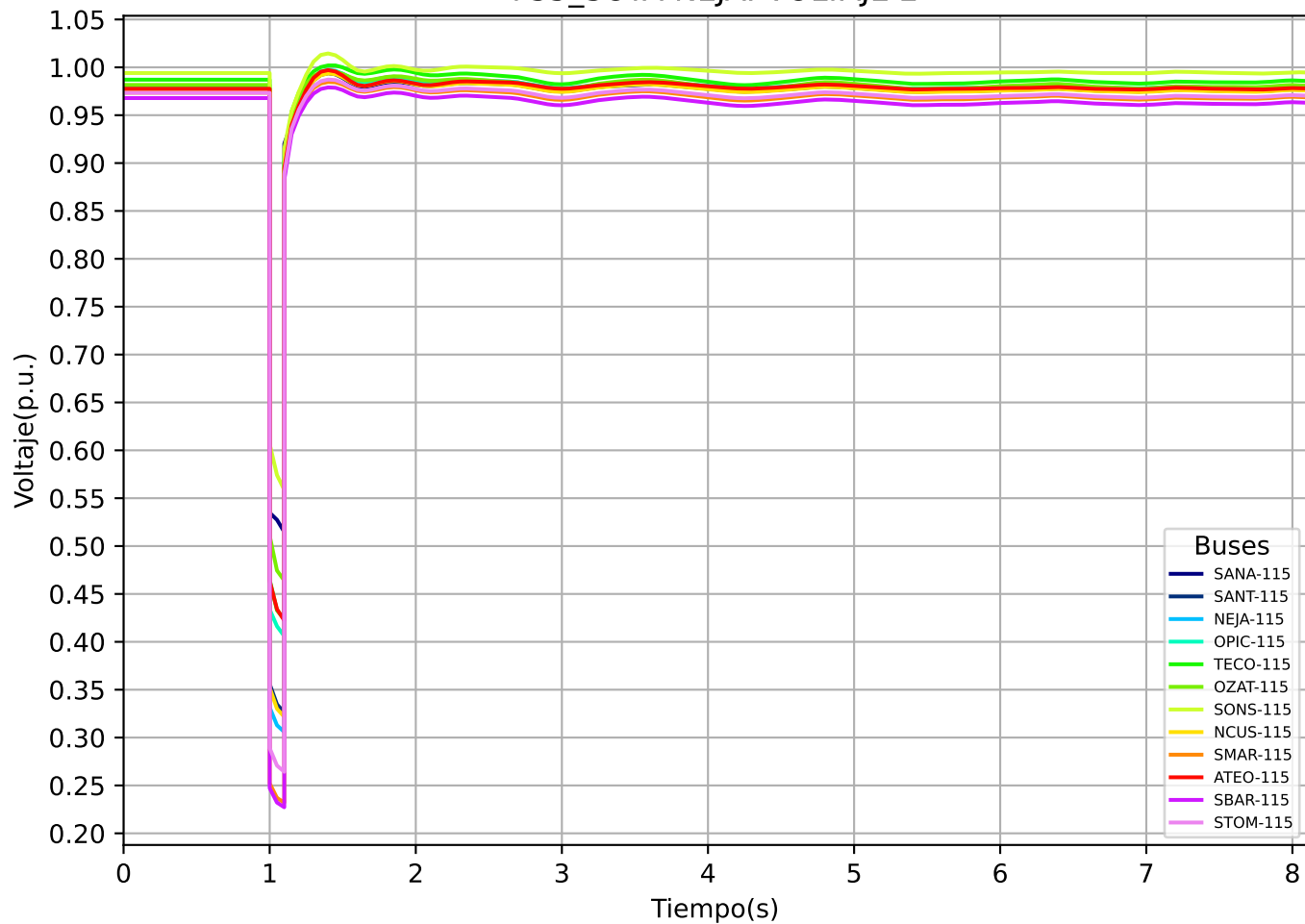
F35_SOYA-NEJA: FLUJO INTERCONEXIONES ESA-HON



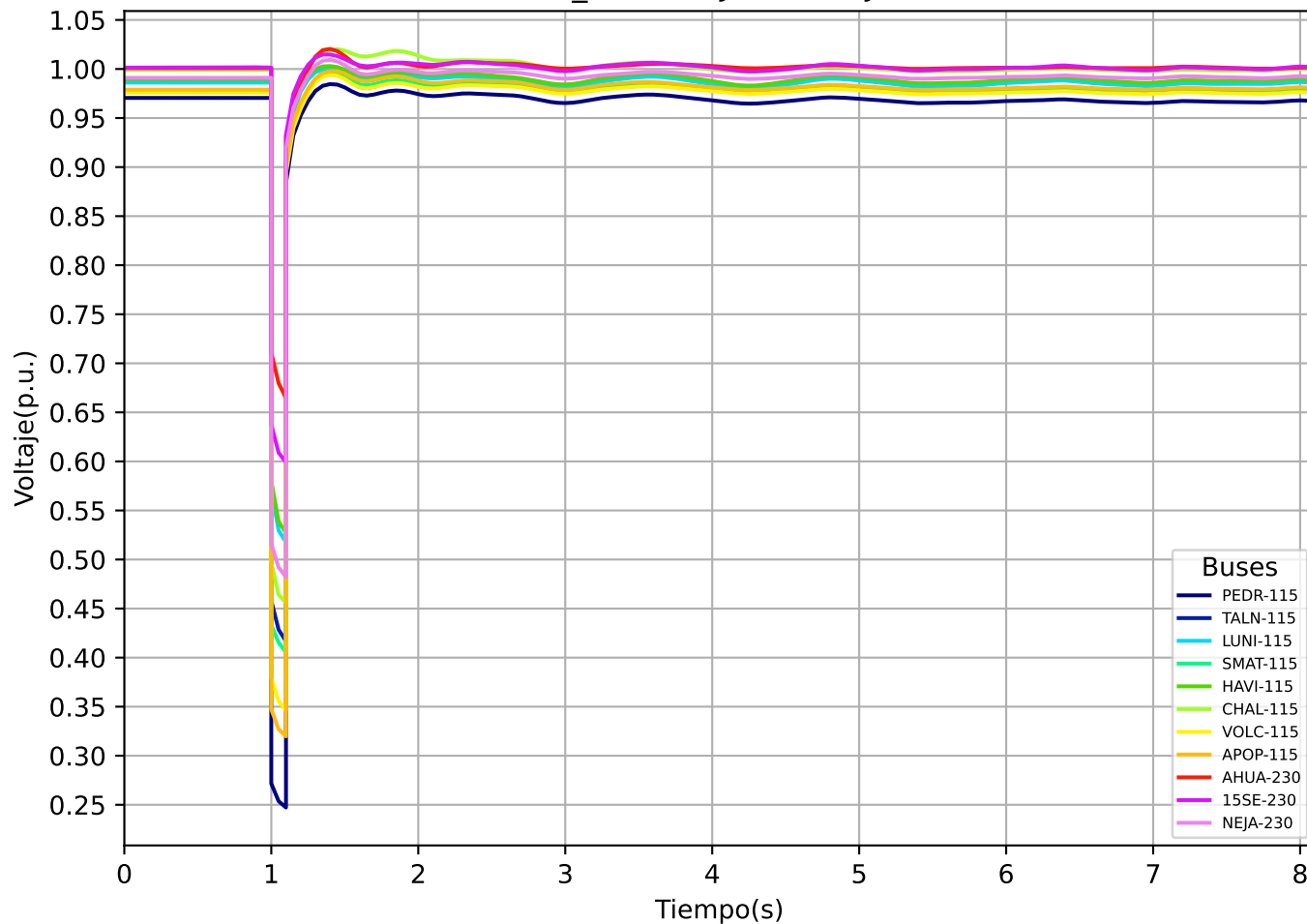
F35_SOYA-NEJA: VOLTAJE 1



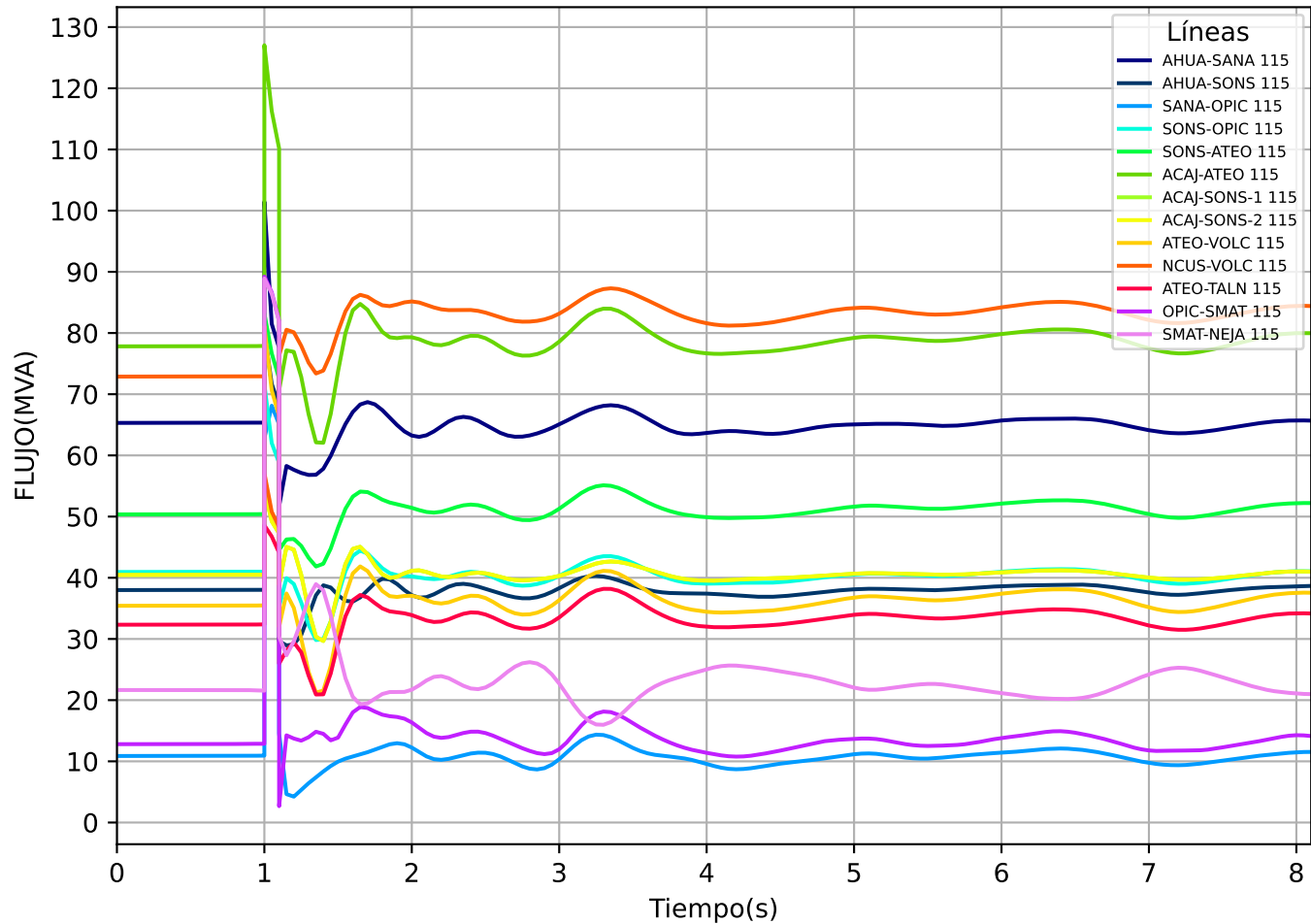
F35_SOYA-NEJA: VOLTAJE 2



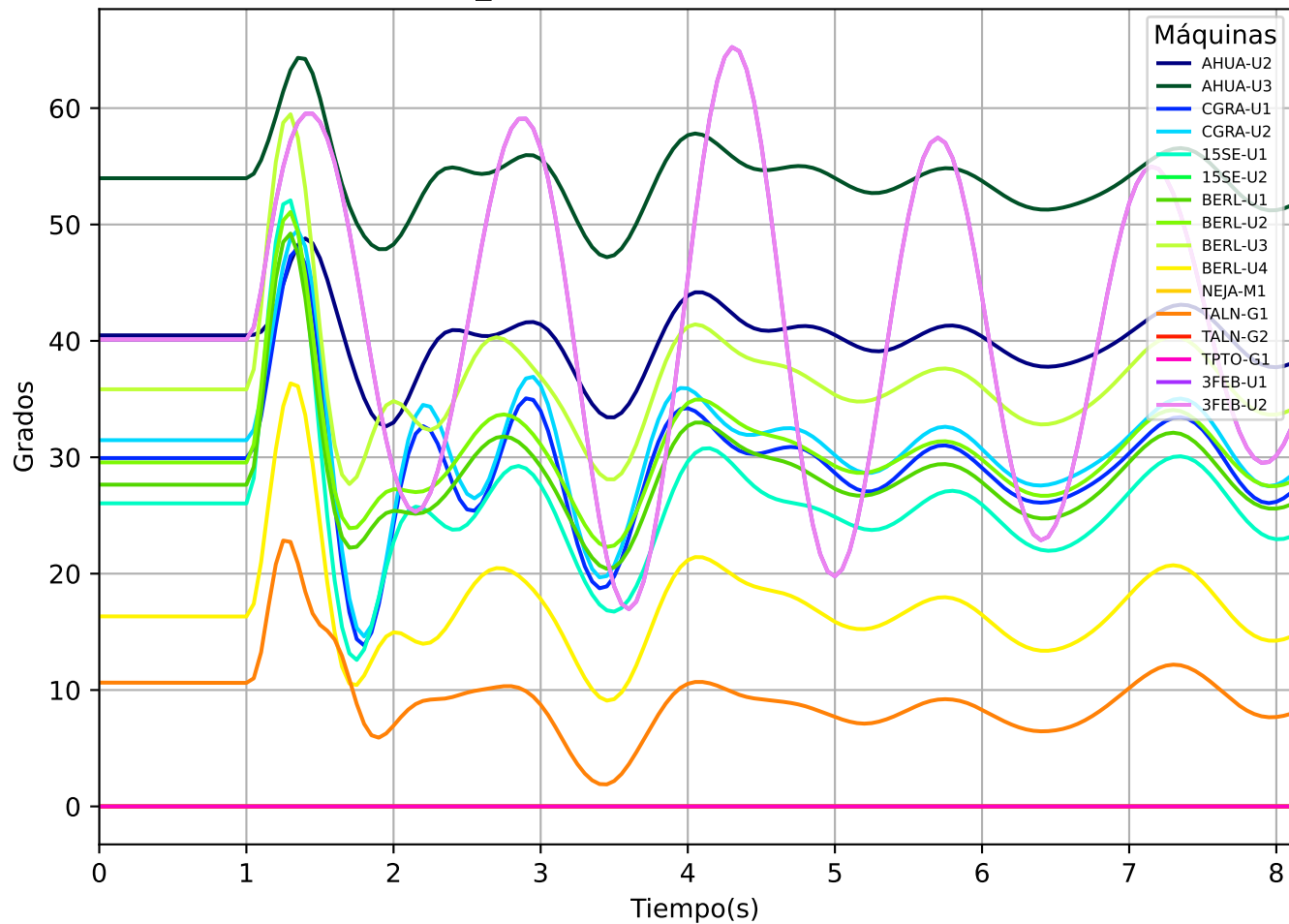
F35_SOYA-NEJA: VOLTAJE 3



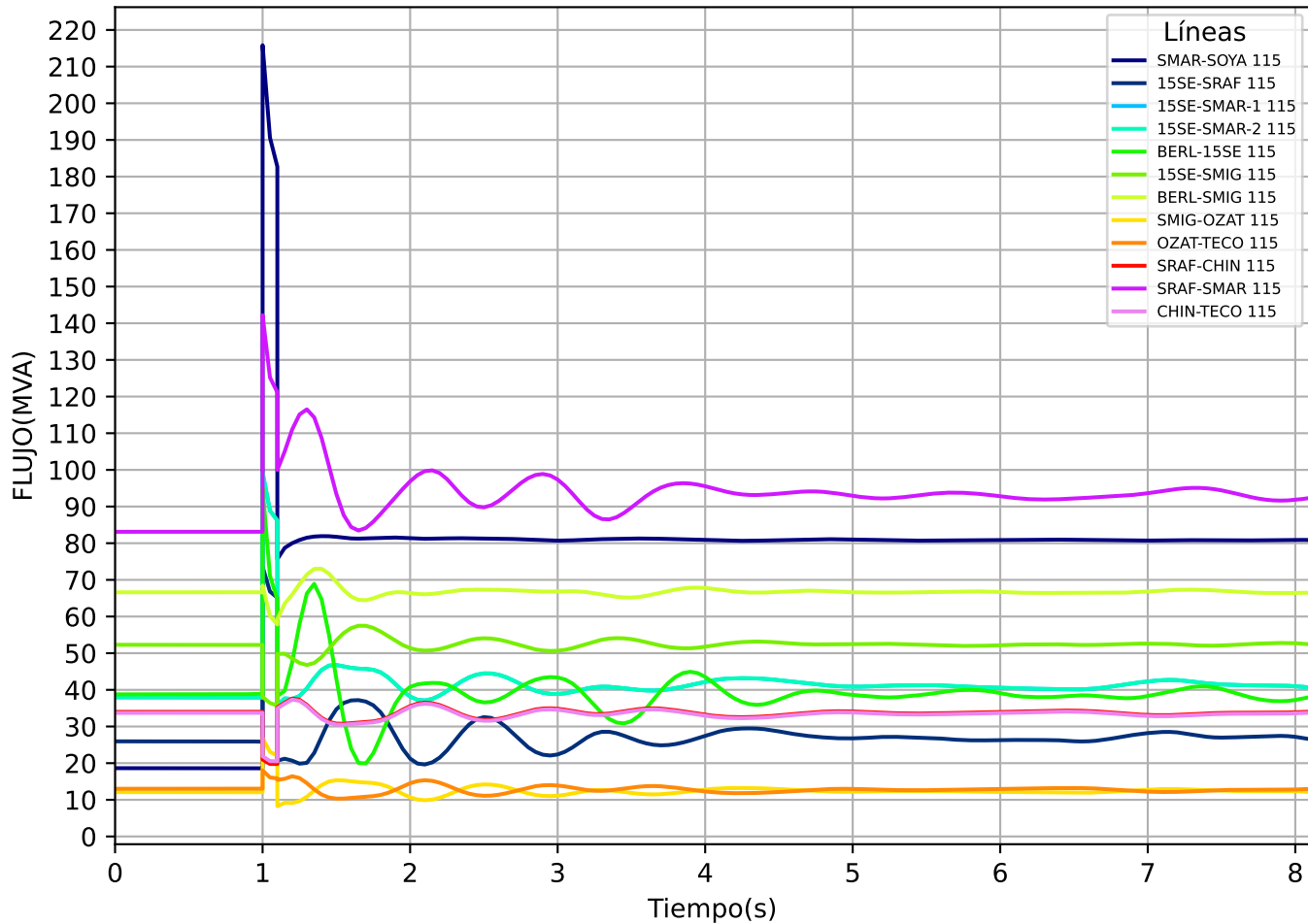
F35_SOYA-NEJA: FLUJO L-115kV 1



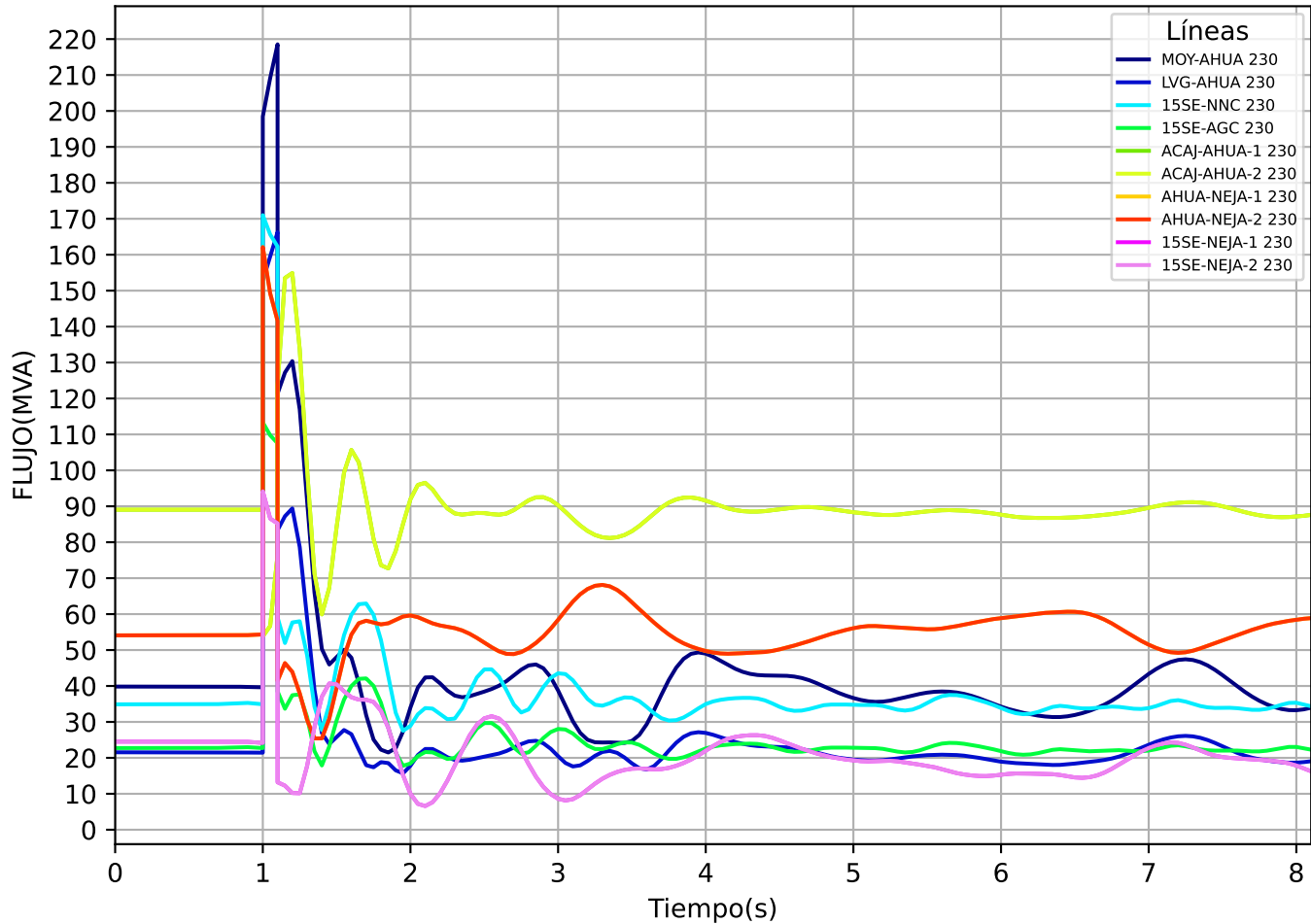
F33_15SE-SMAR: ANGULO ROTOR 2



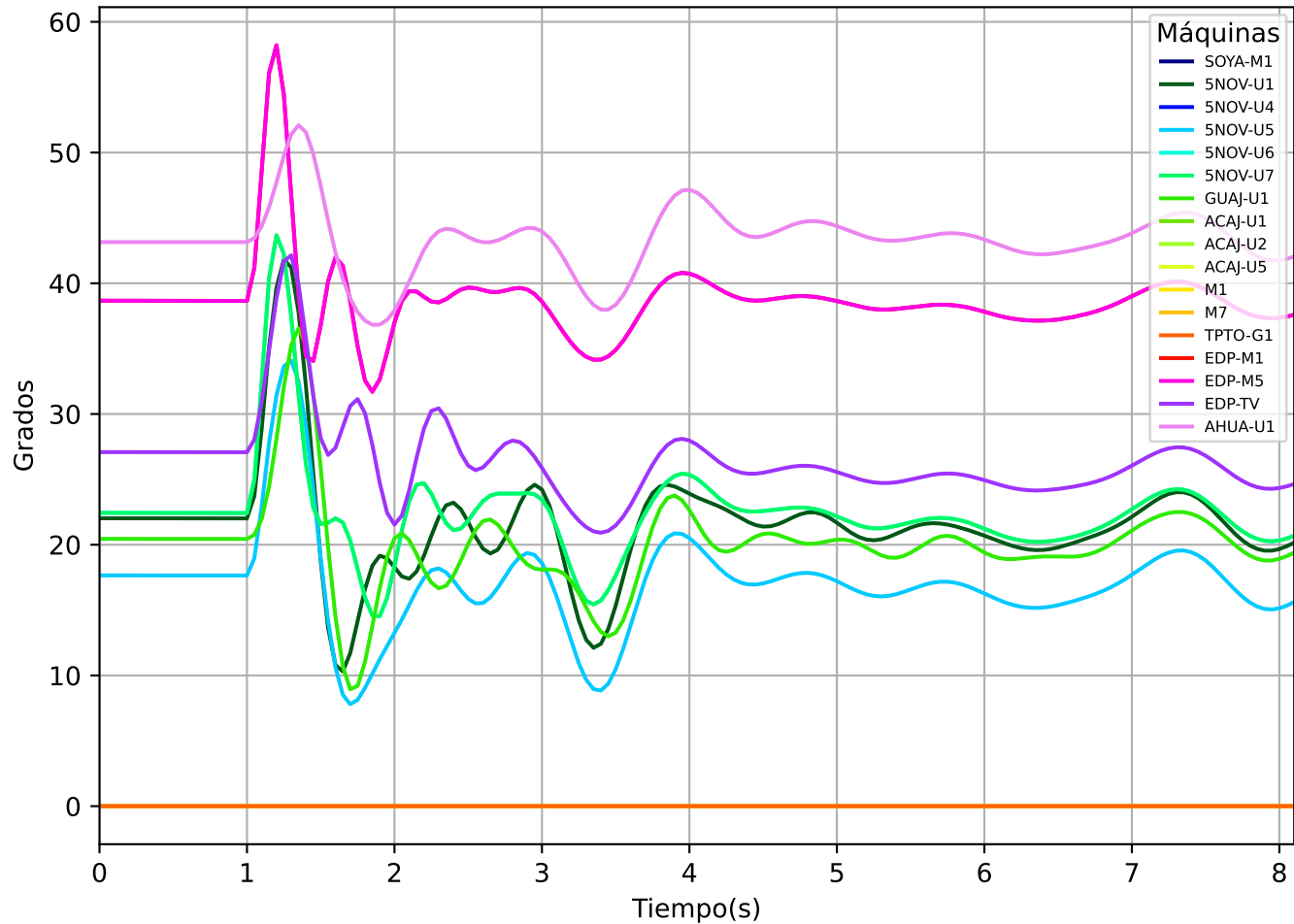
F35_SOYA-NEJA: FLUJO L-115kV 3



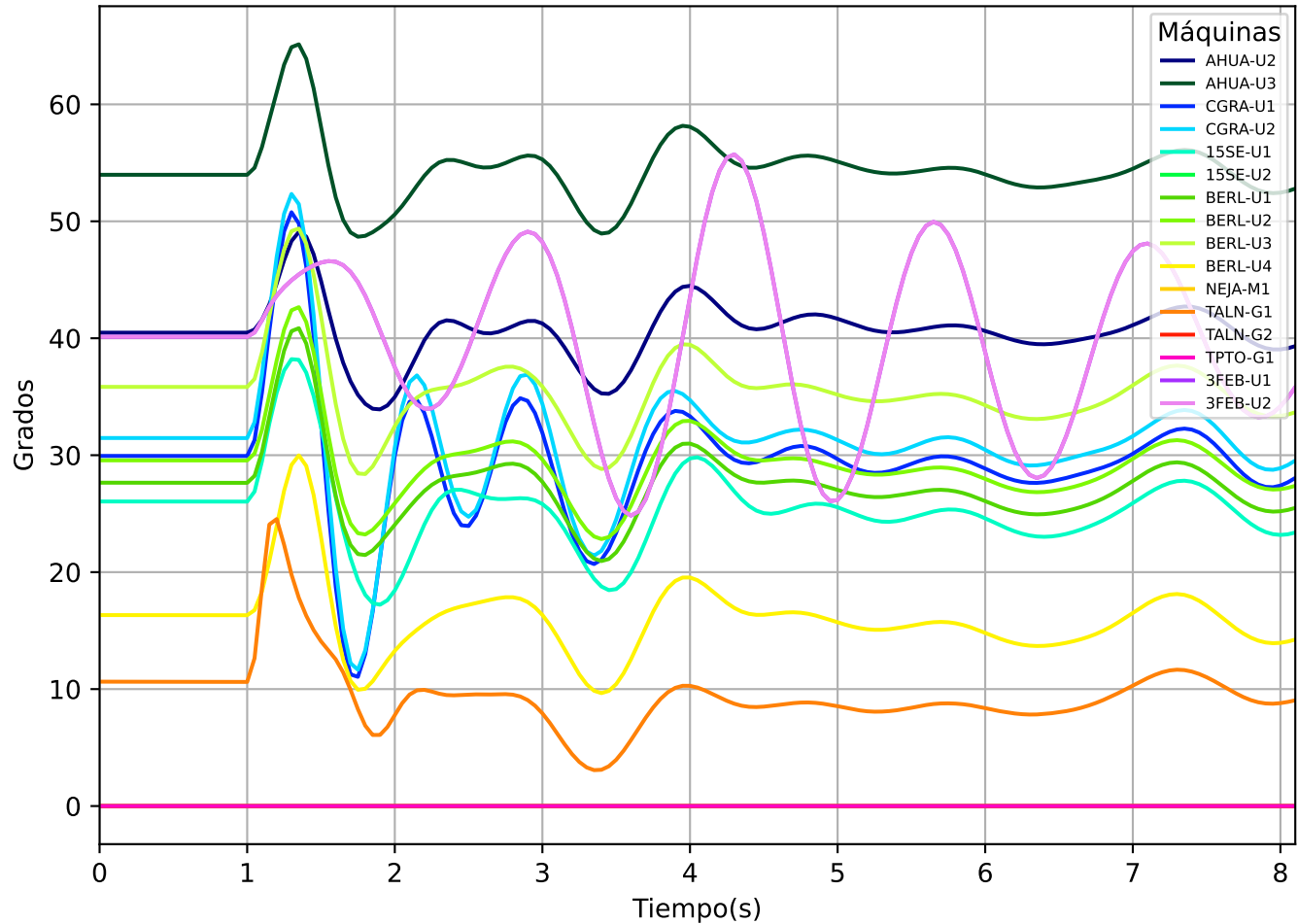
F35_SOYA-NEJA: FLUJO L-230kV 4



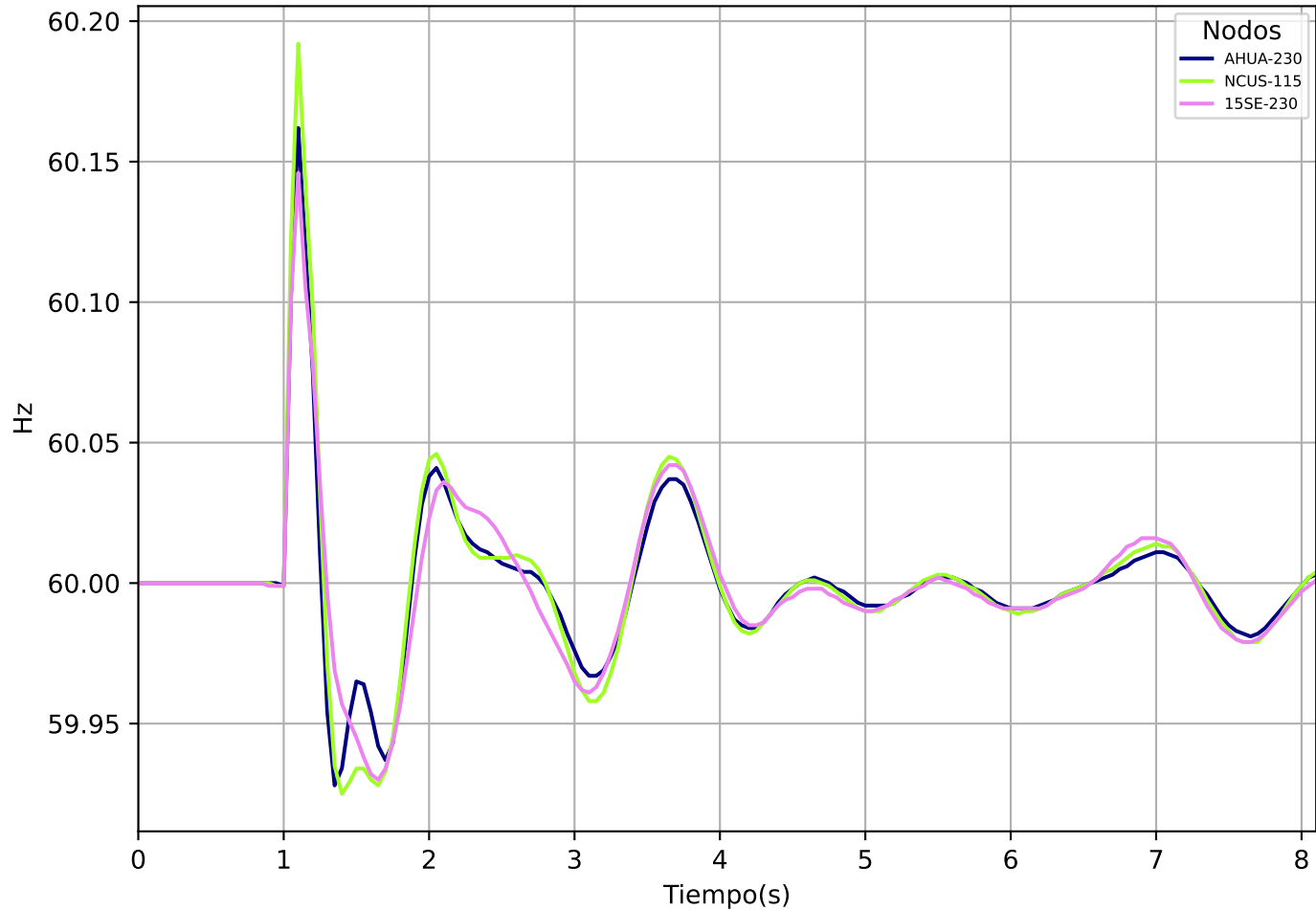
F35_SOYA-NEJA: ANGULO ROTOR 1



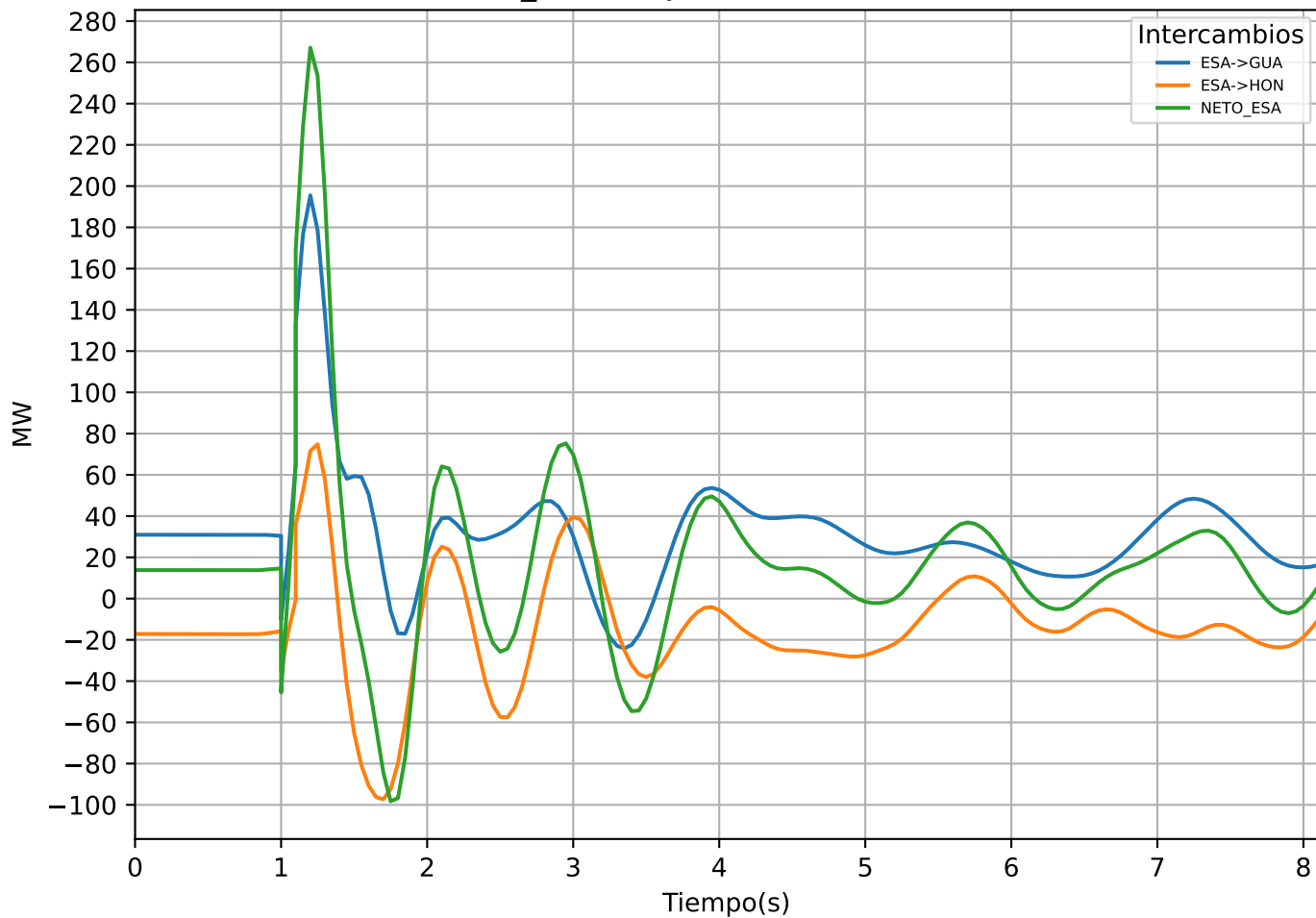
F35_SOYA-NEJA: ANGULO ROTOR 2



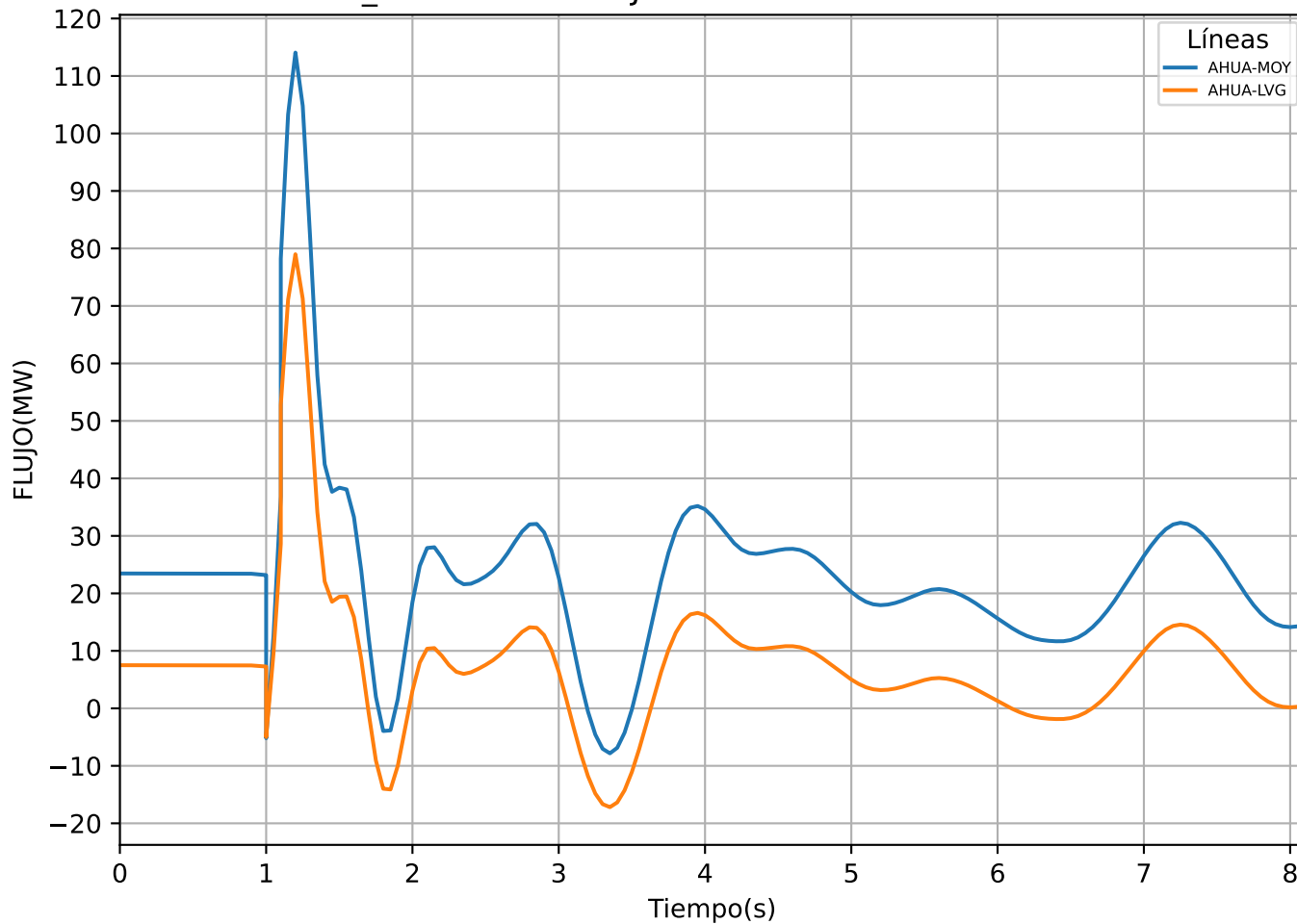
F35_SOYA-NEJA: FRECUENCIA



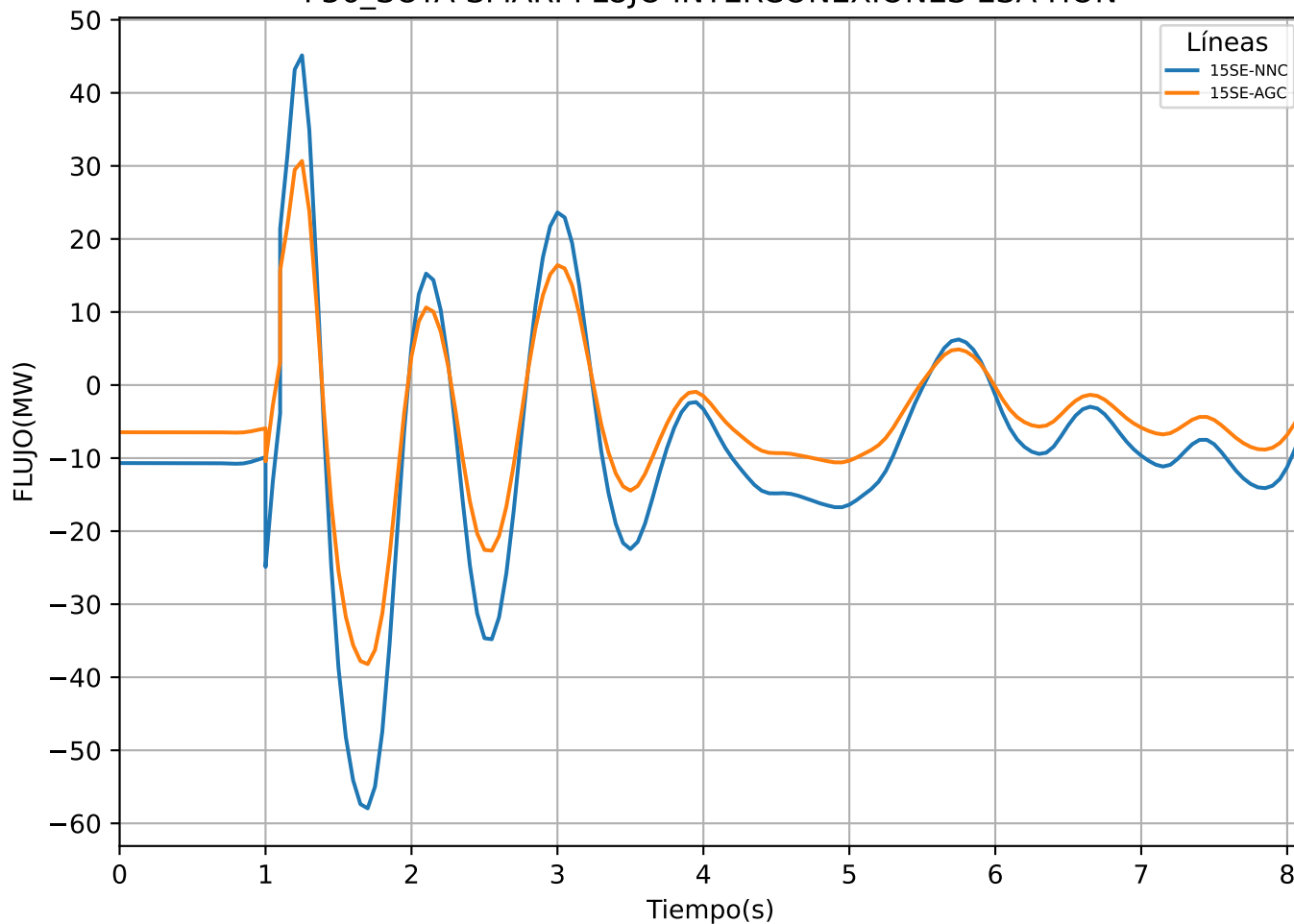
F35_SOYA-NEJA: Intercambios ESA



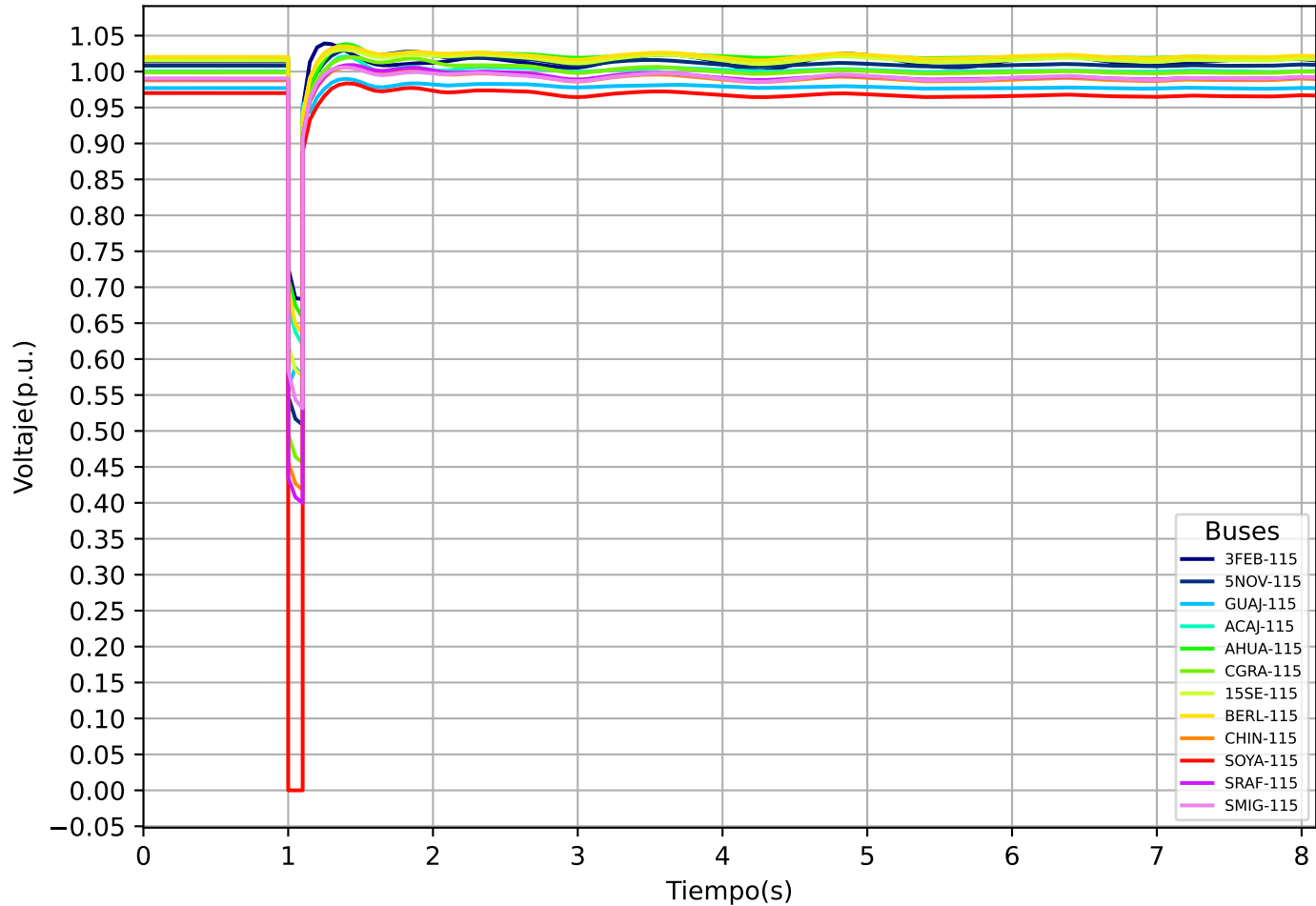
F36_SOYA-SMAR: FLUJO INTERCONEXIONES ESA-GUA



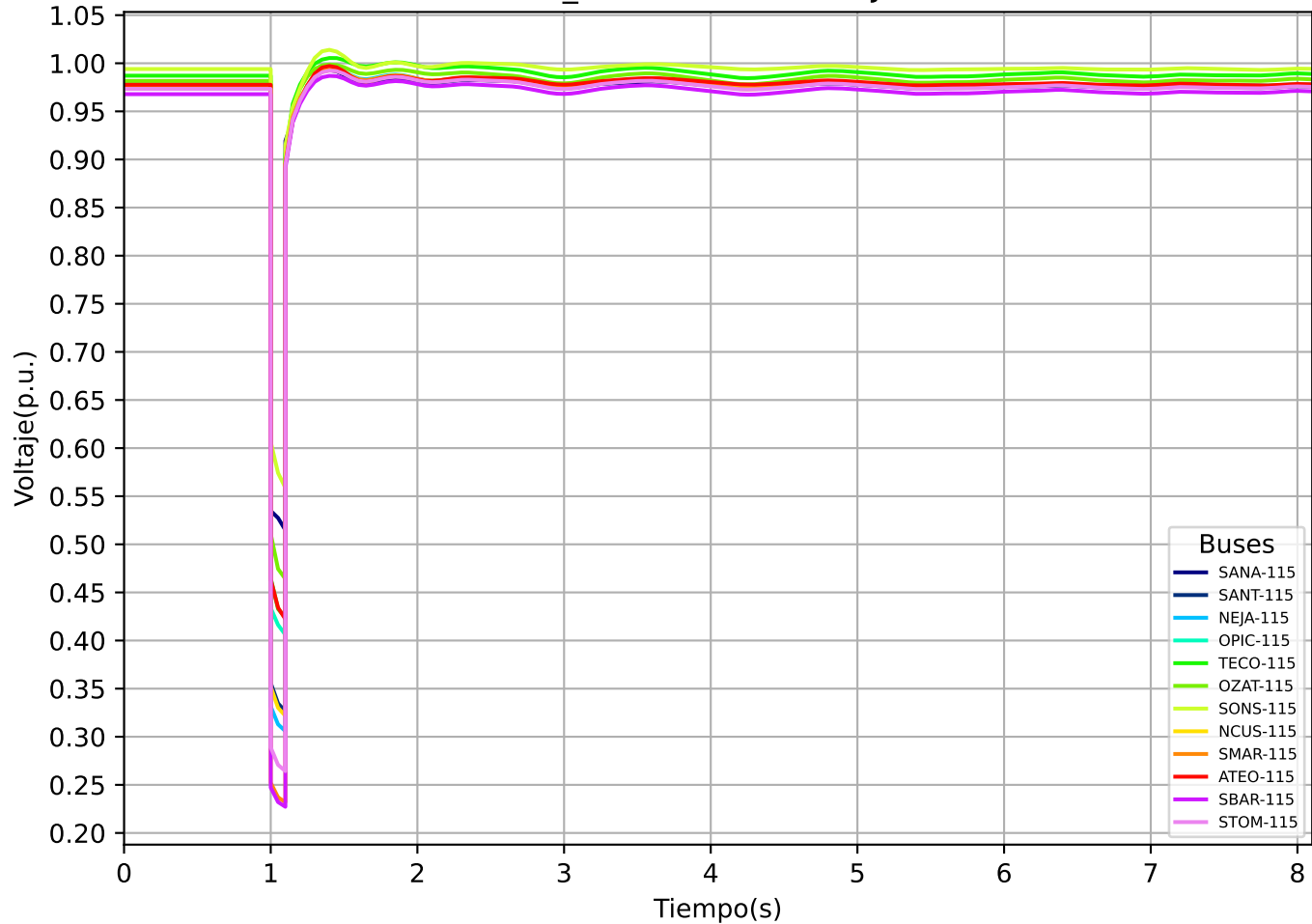
F36_SOYA-SMAR: FLUJO INTERCONEXIONES ESA-HON



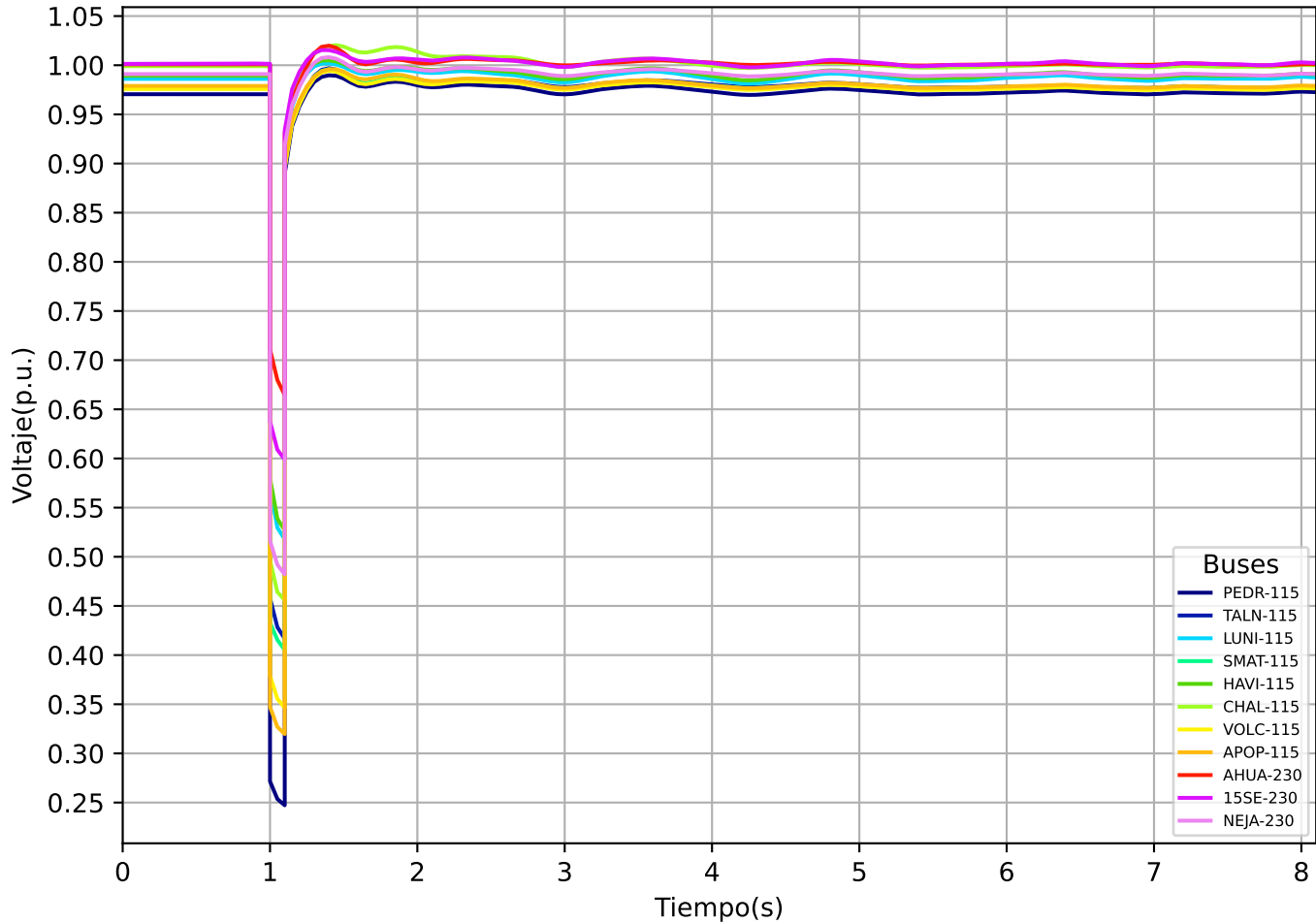
F36_SOYA-SMAR: VOLTAJE 1



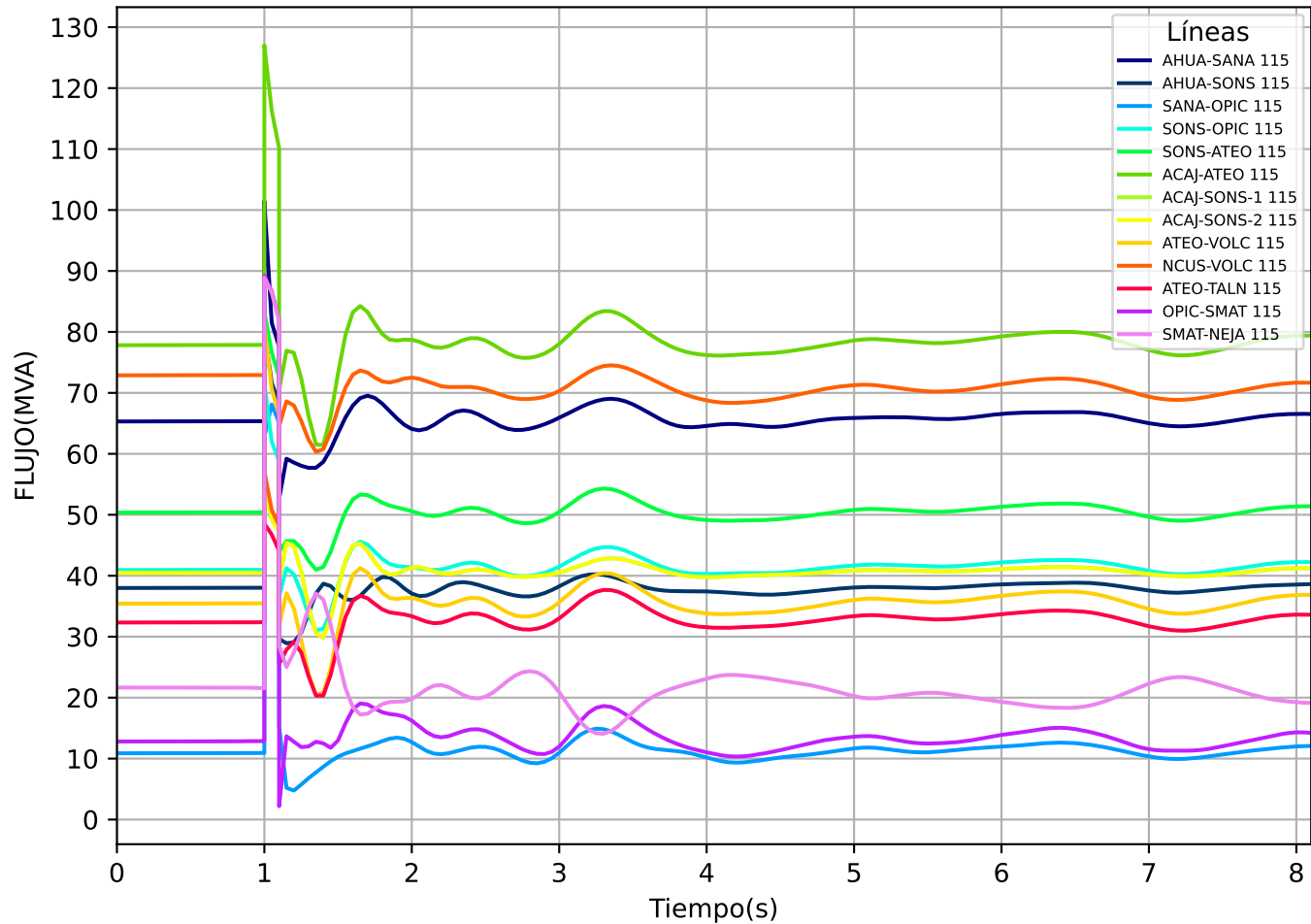
F36_SOYA-SMAR: VOLTAJE 2



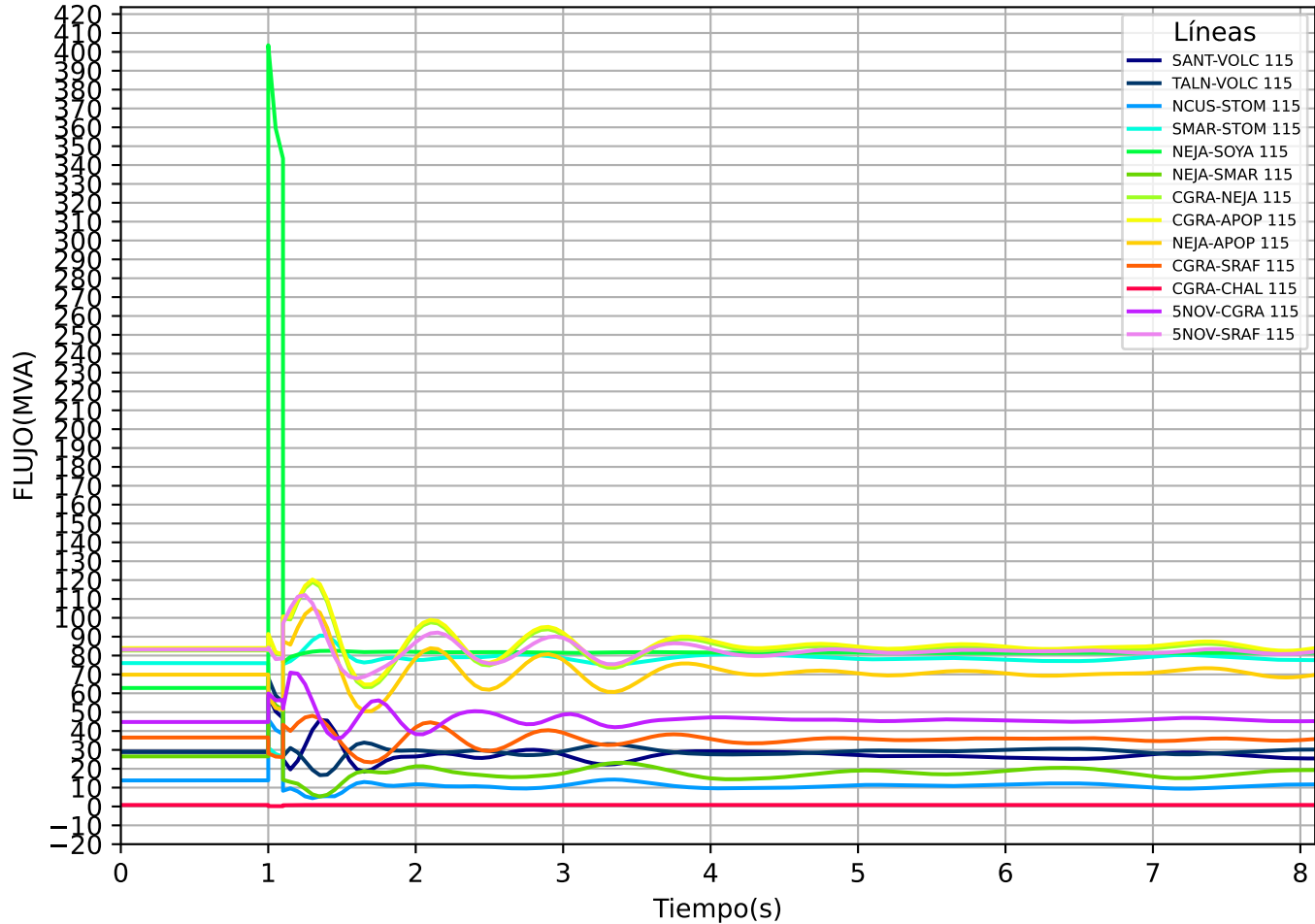
F36_SOYA-SMAR: VOLTAJE 3



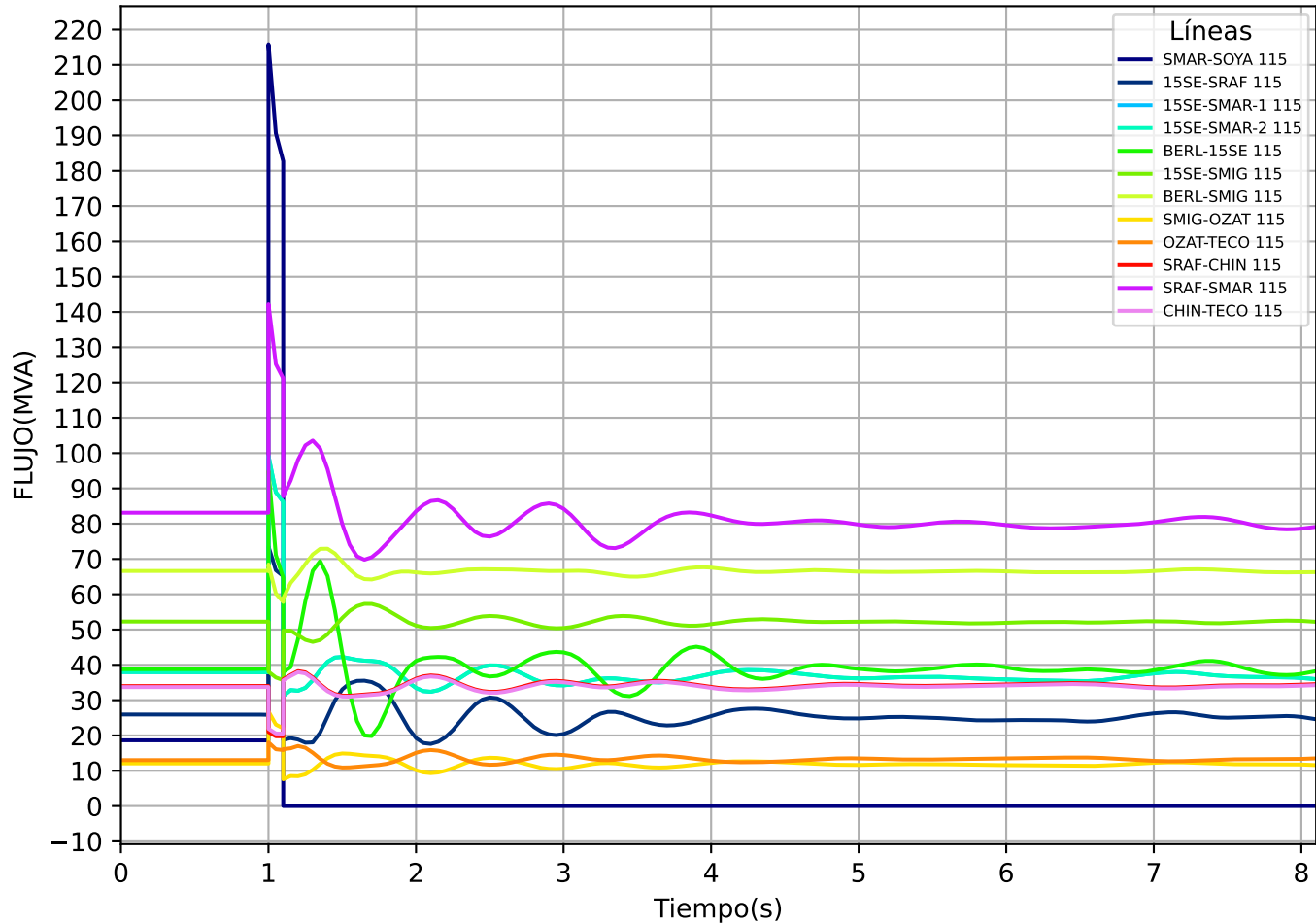
F36_SOYA-SMAR: FLUJO L-115kV 1



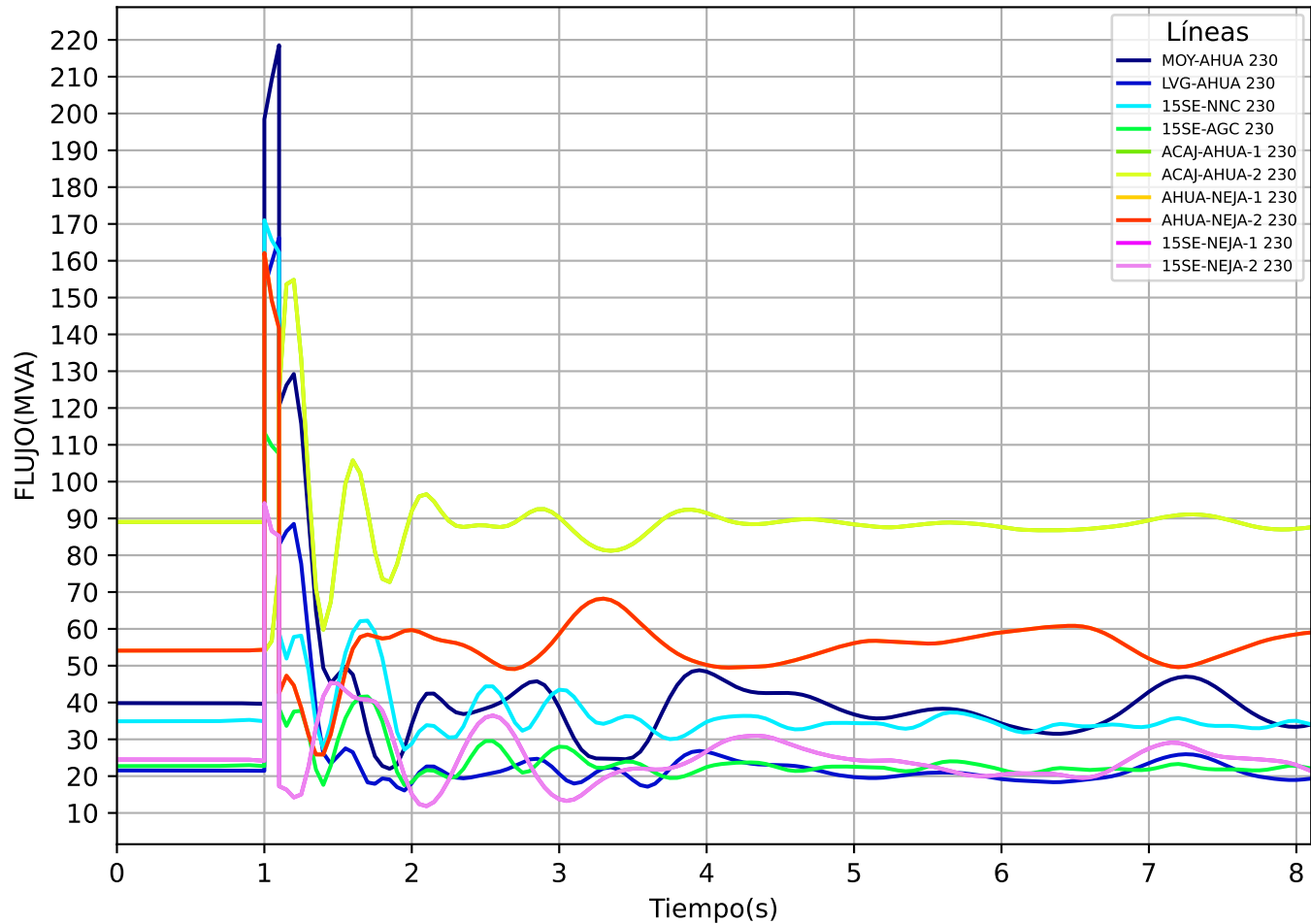
F36_SOYA-SMAR: FLUJO L-115kV 2



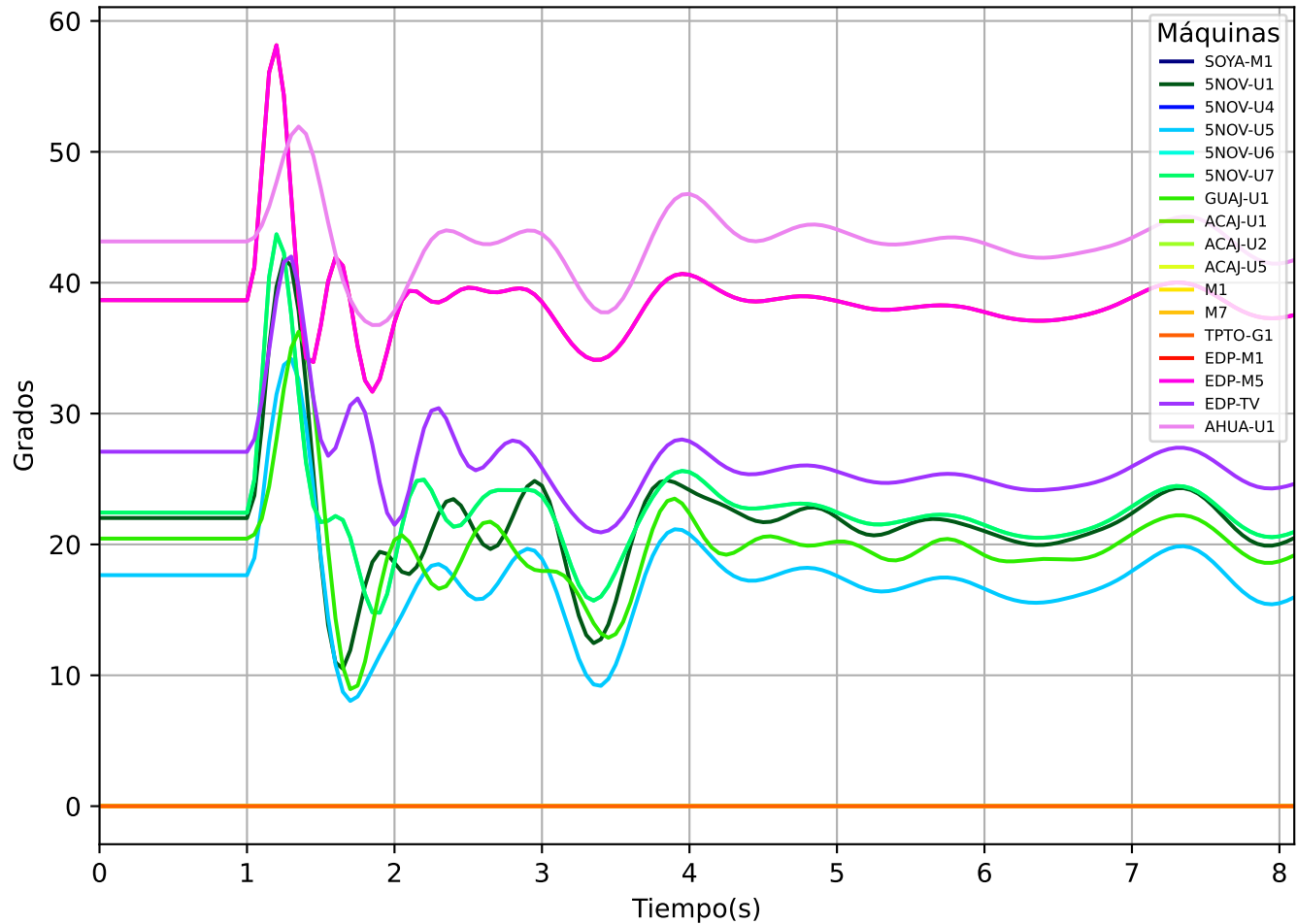
F36_SOYA-SMAR: FLUJO L-115kV 3



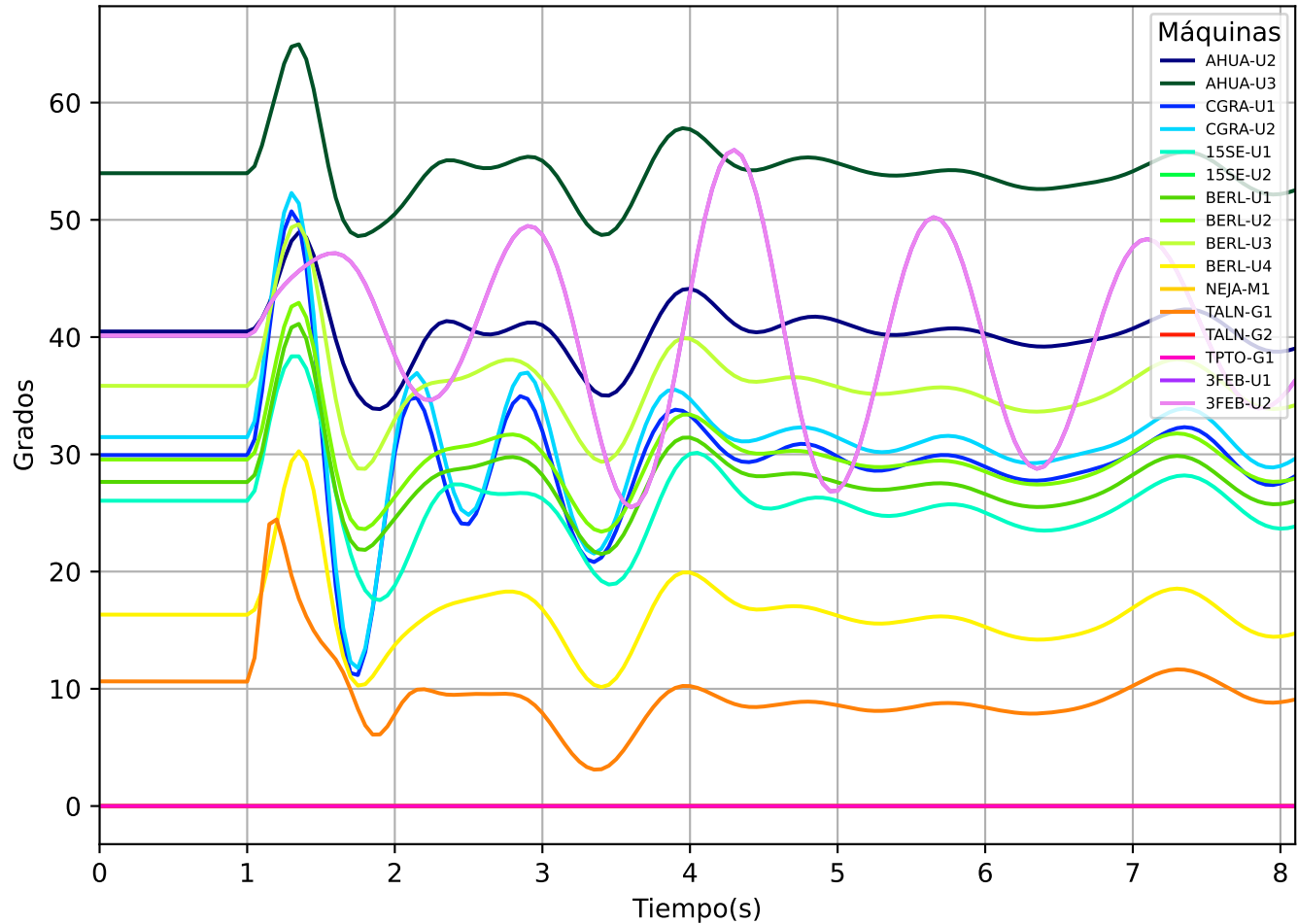
F36_SOYA-SMAR: FLUJO L-230kV 4



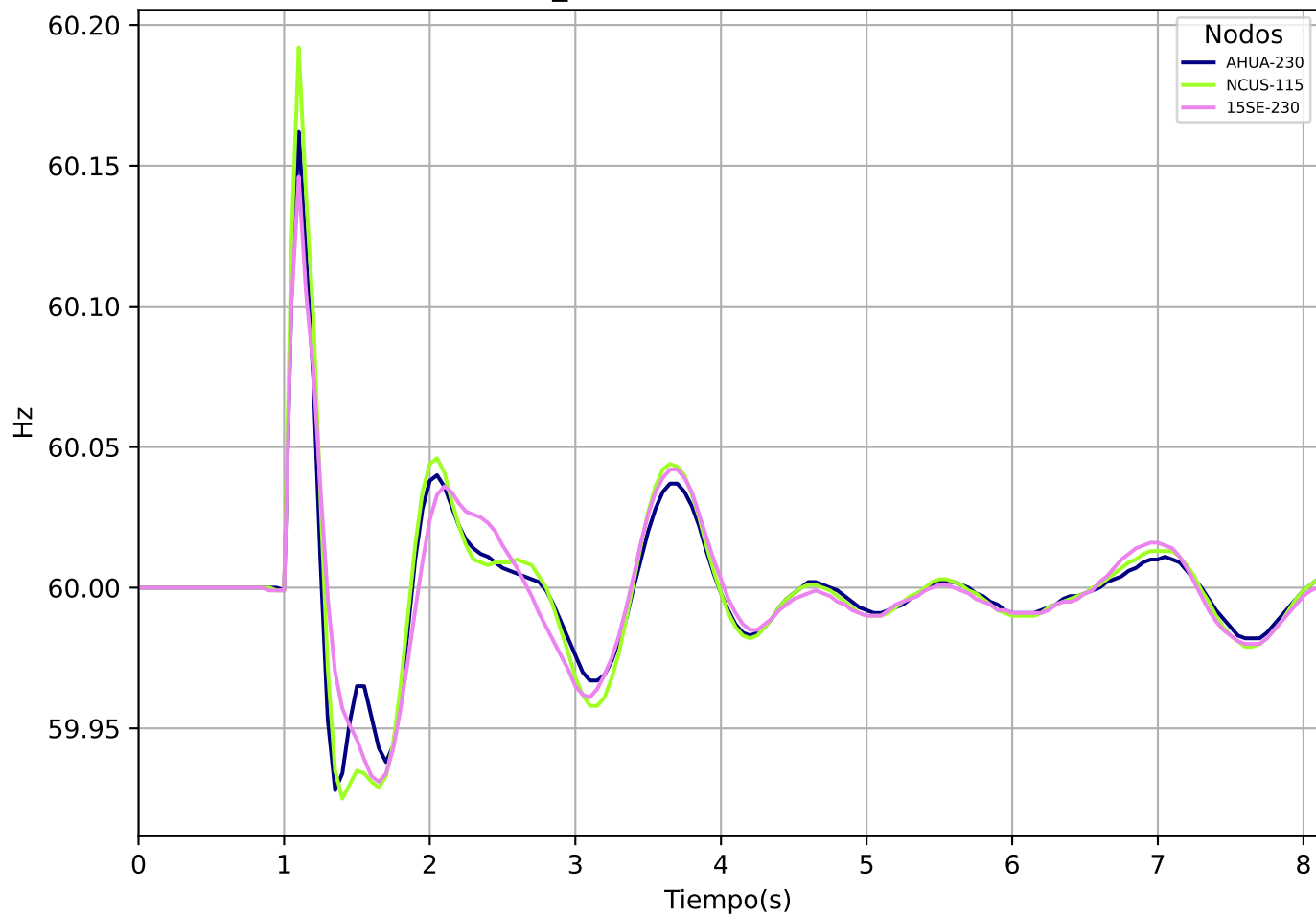
F36_SOYA-SMAR: ANGULO ROTOR 1



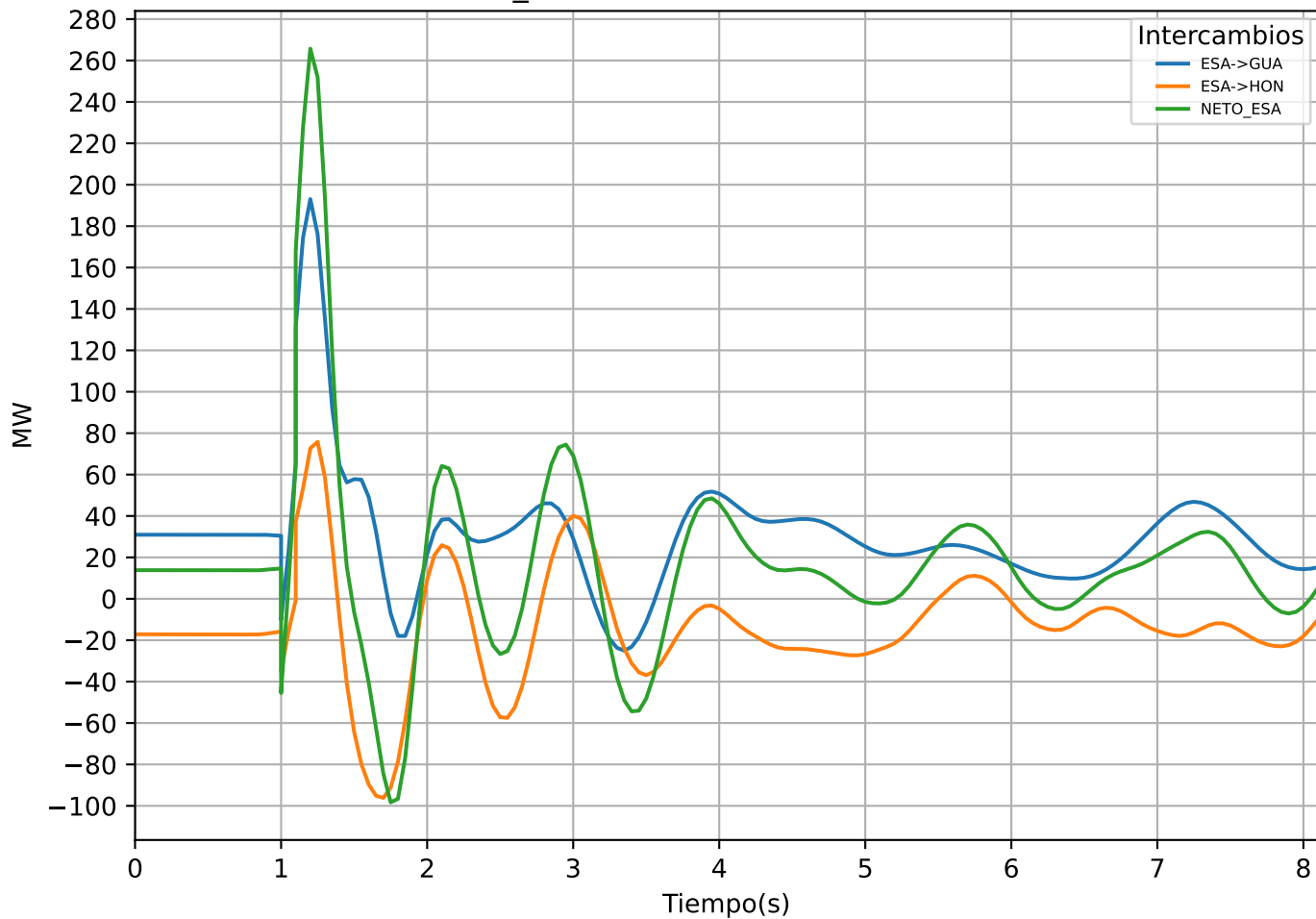
F36_SOYA-SMAR: ANGULO ROTOR 2



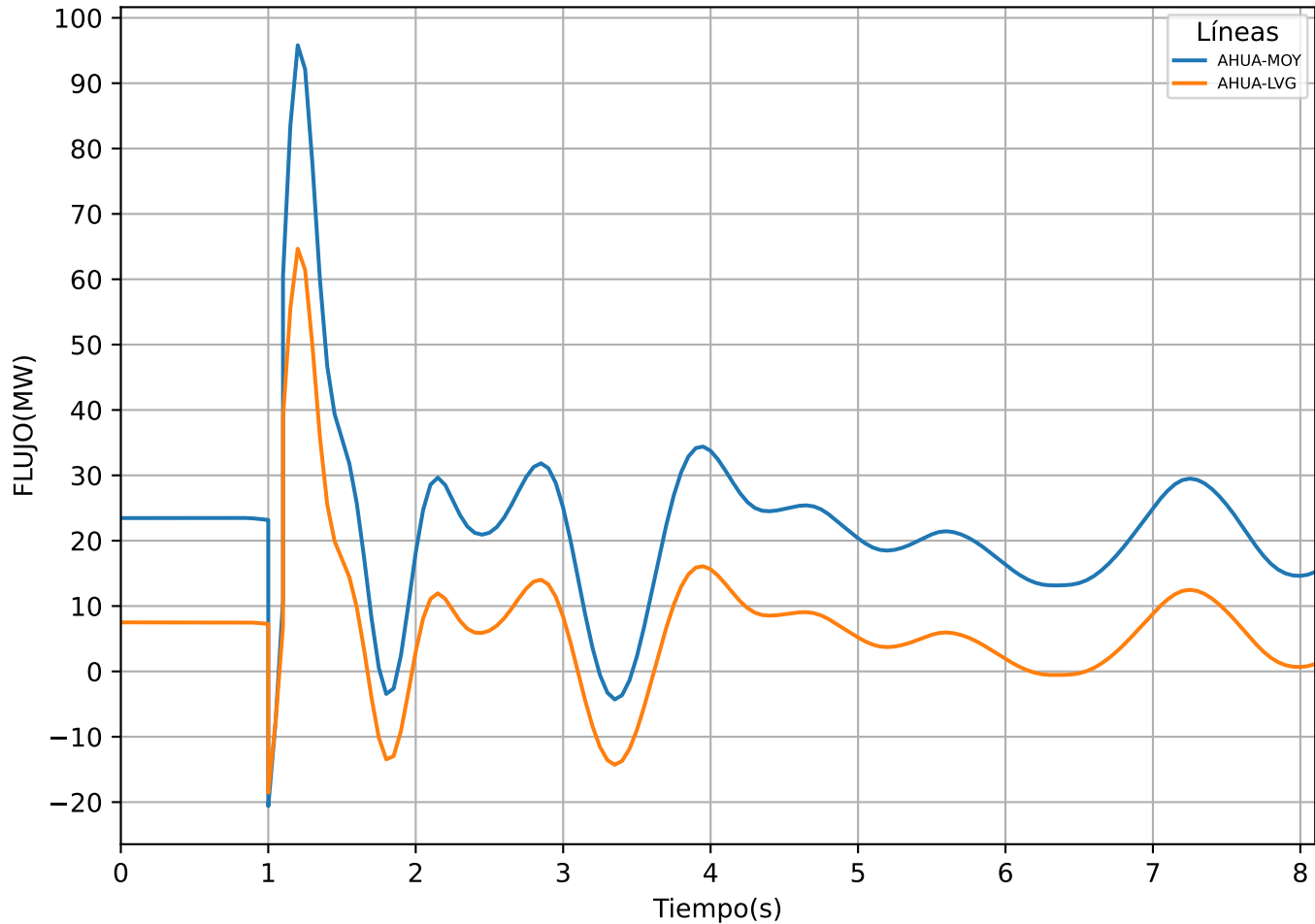
F36_SOYA-SMAR: FRECUENCIA



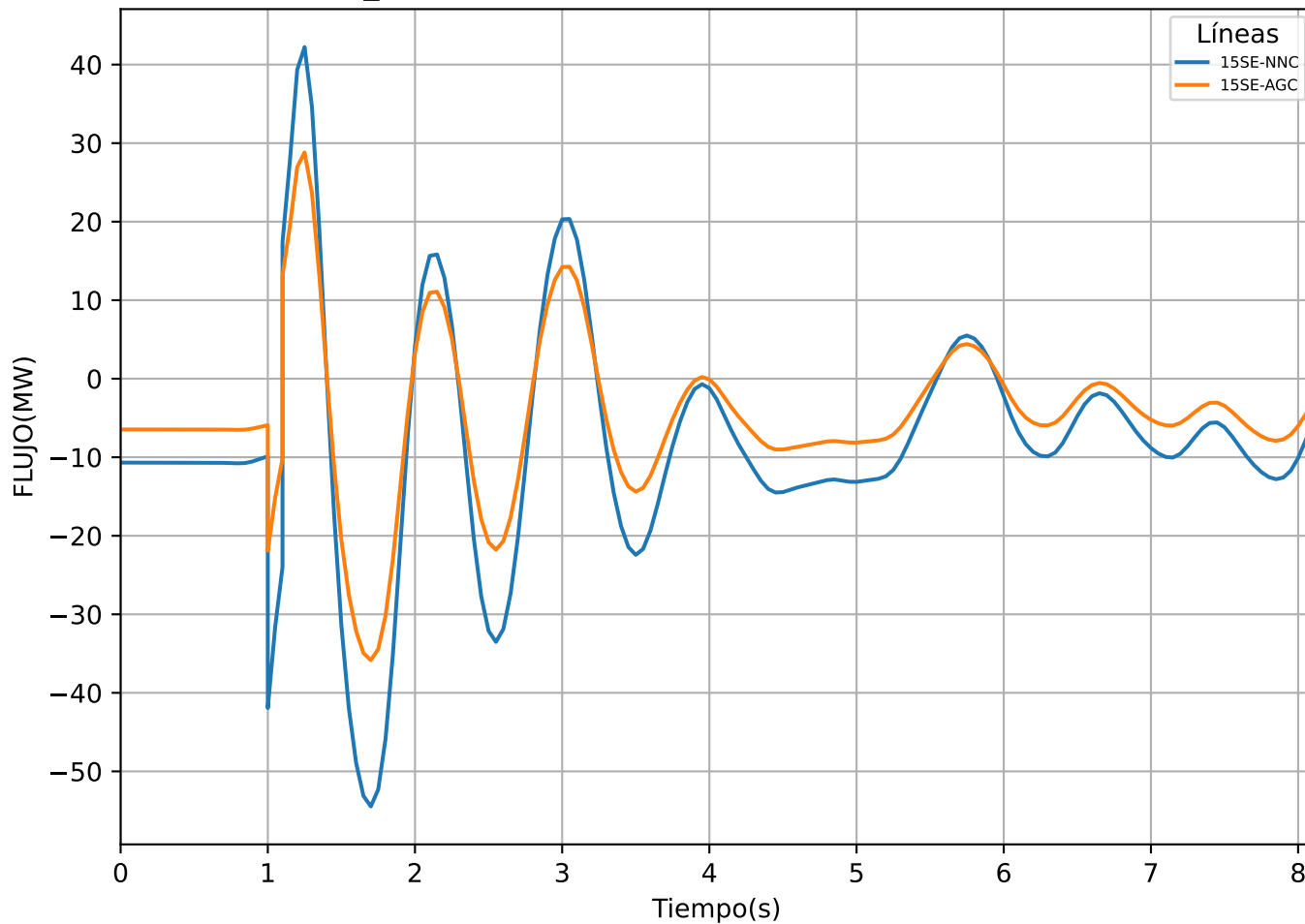
F36_SOYA-SMAR: Intercambios ESA



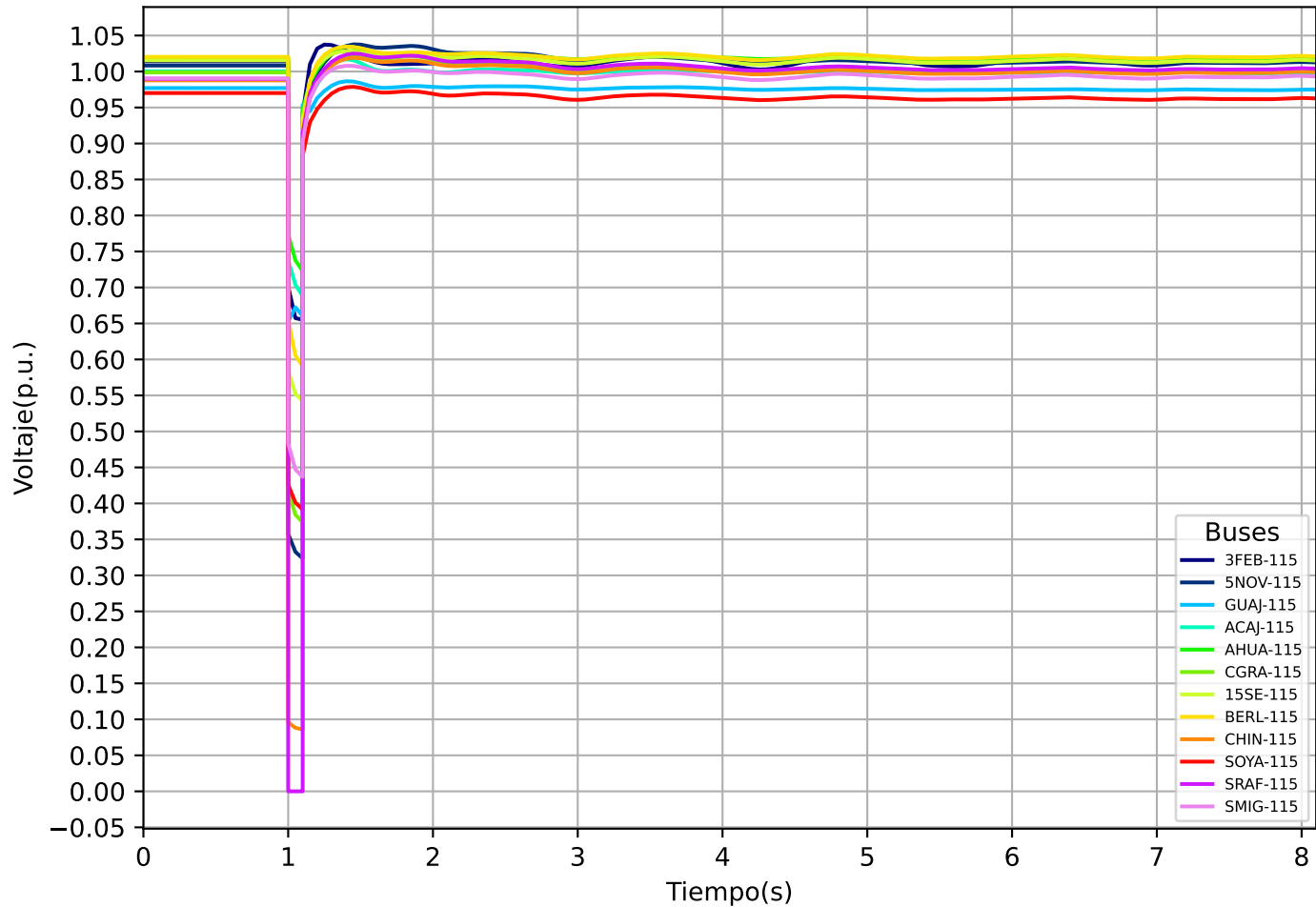
F37_SRAF-SMAR: FLUJO INTERCONEXIONES ESA-GUA



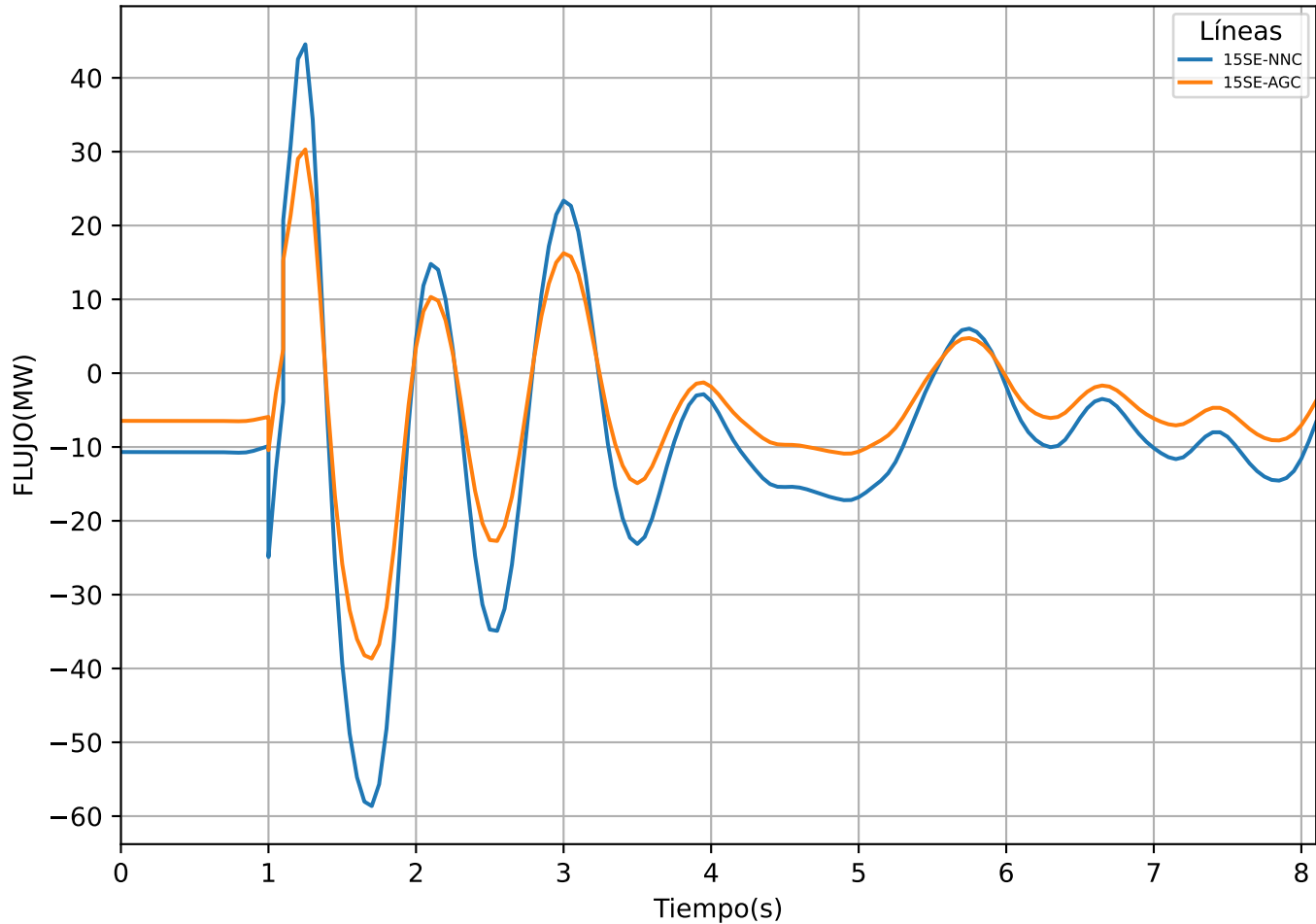
F37_SRAF-SMAR: FLUJO INTERCONEXIONES ESA-HON



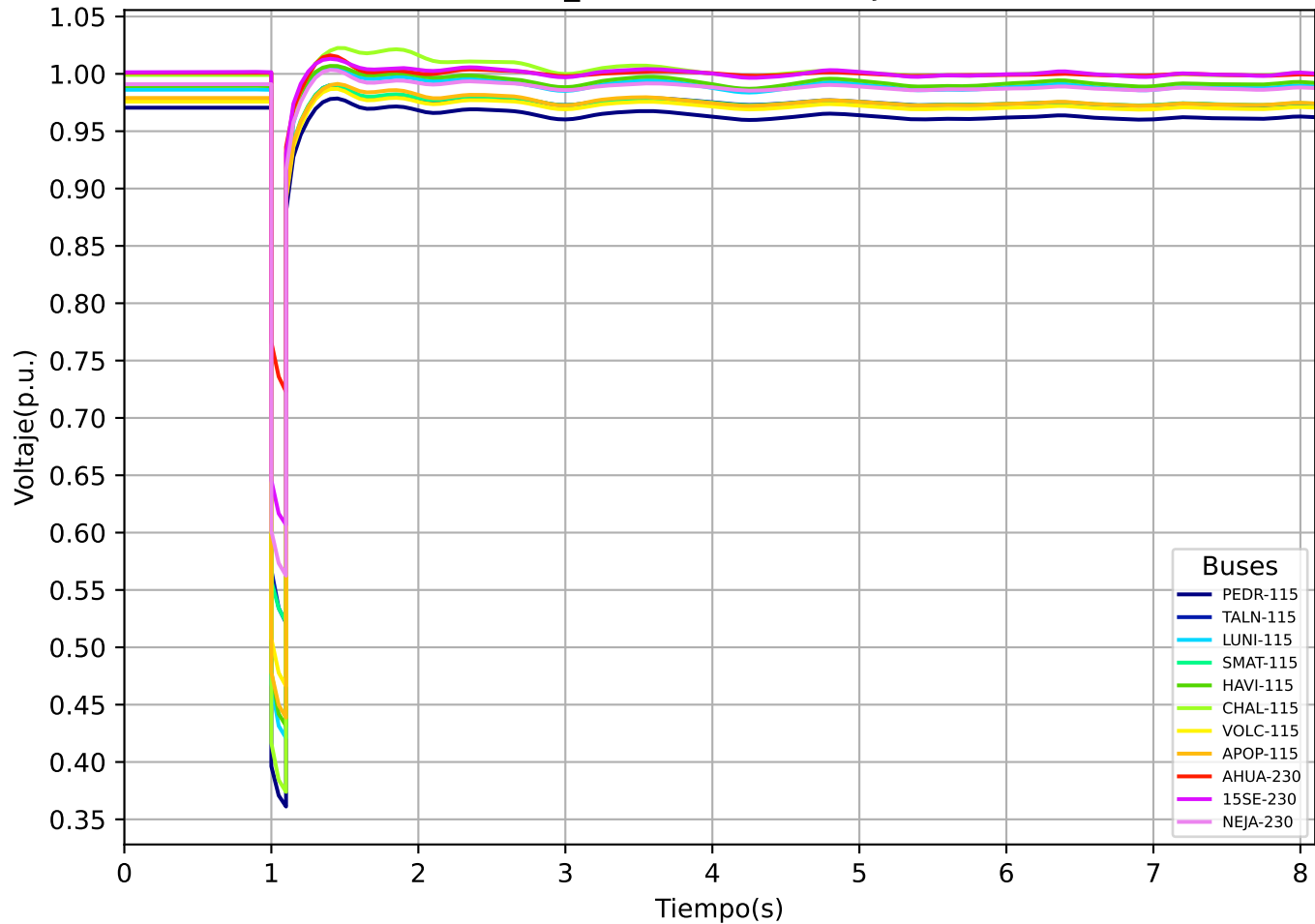
F37_SRAF-SMAR: VOLTAJE 1



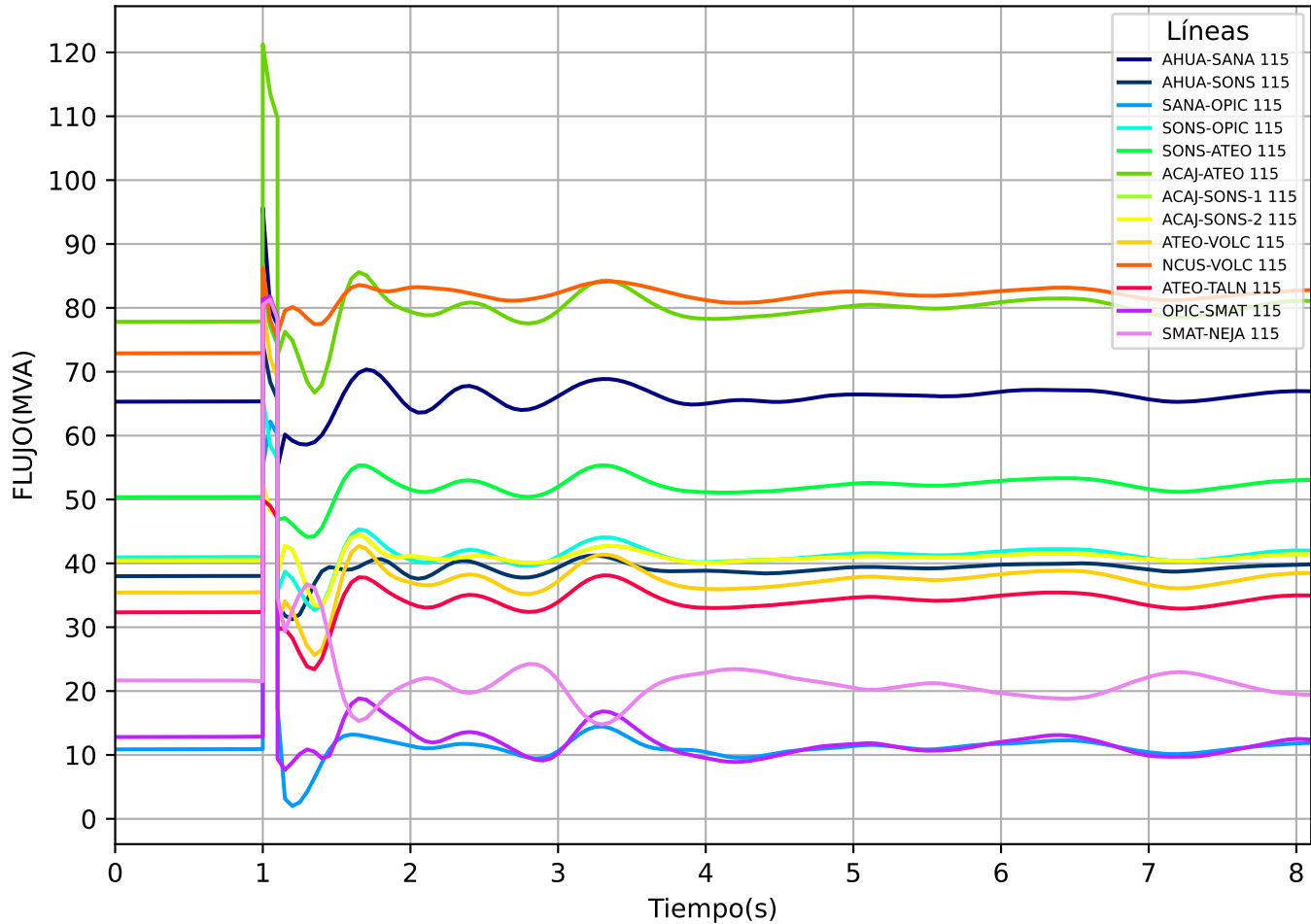
F35_SOYA-NEJA: FLUJO INTERCONEXIONES ESA-HON



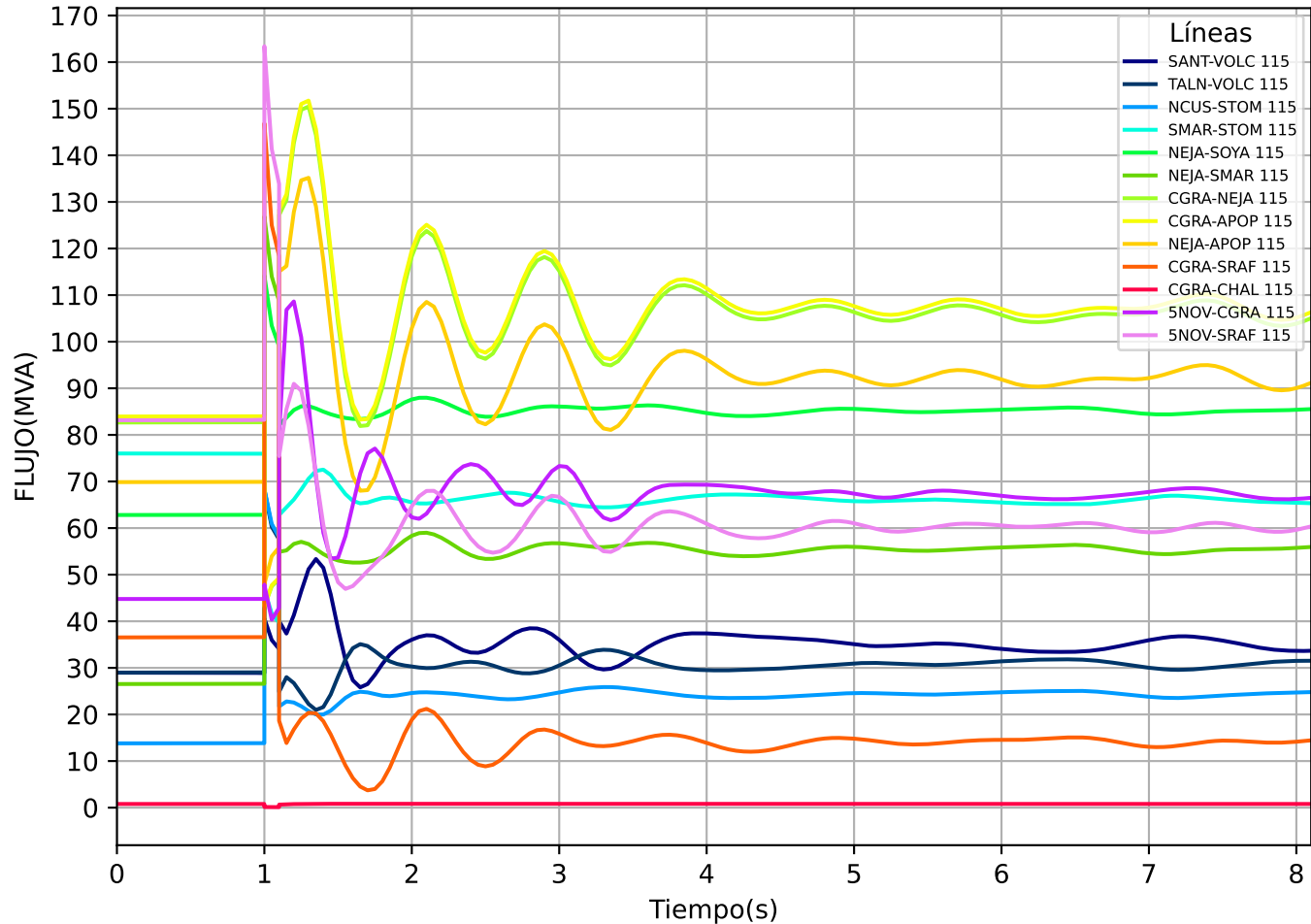
F37_SRAF-SMAR: VOLTAJE 3



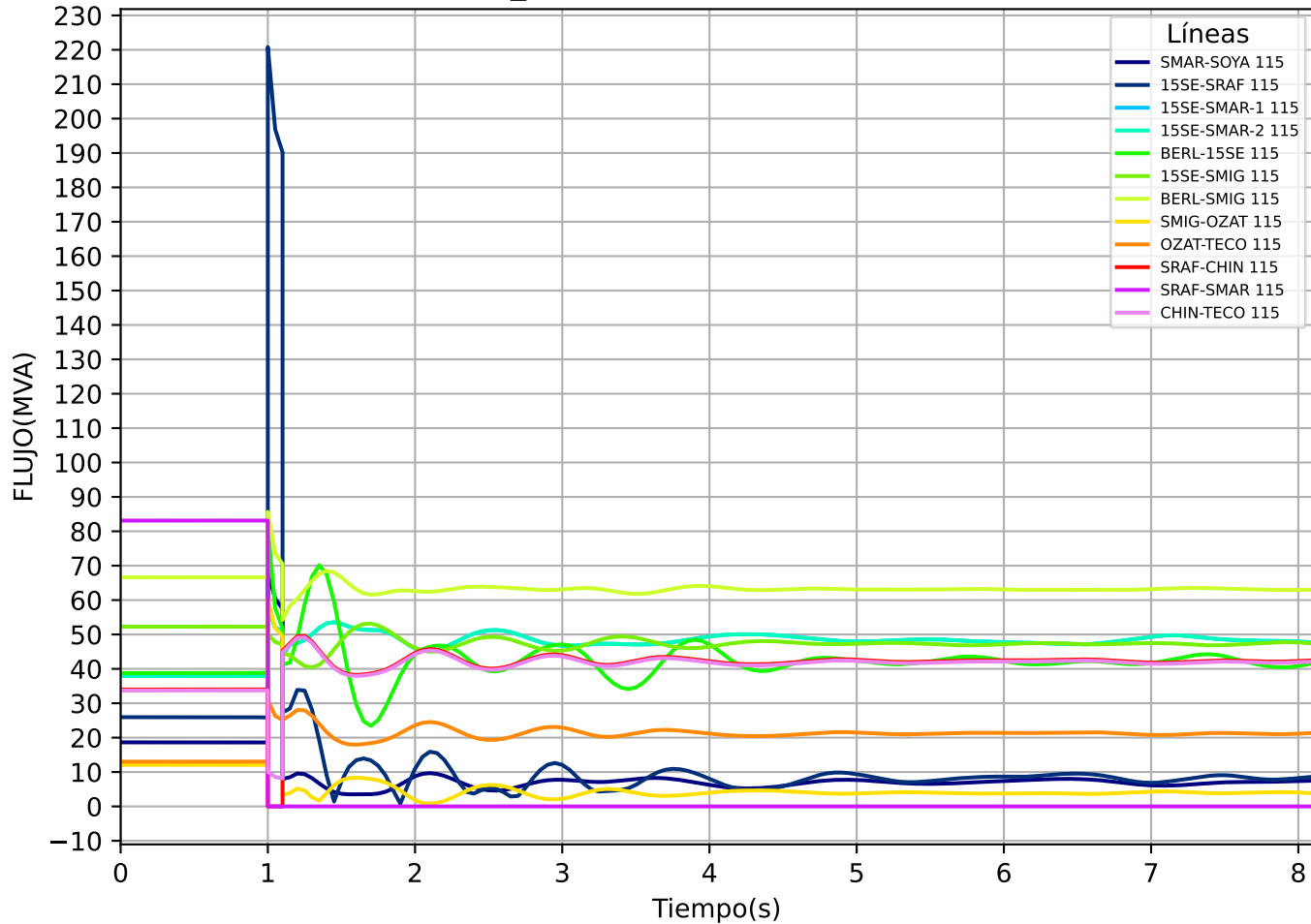
F37_SRAF-SMAR: FLUJO L-115kV 1



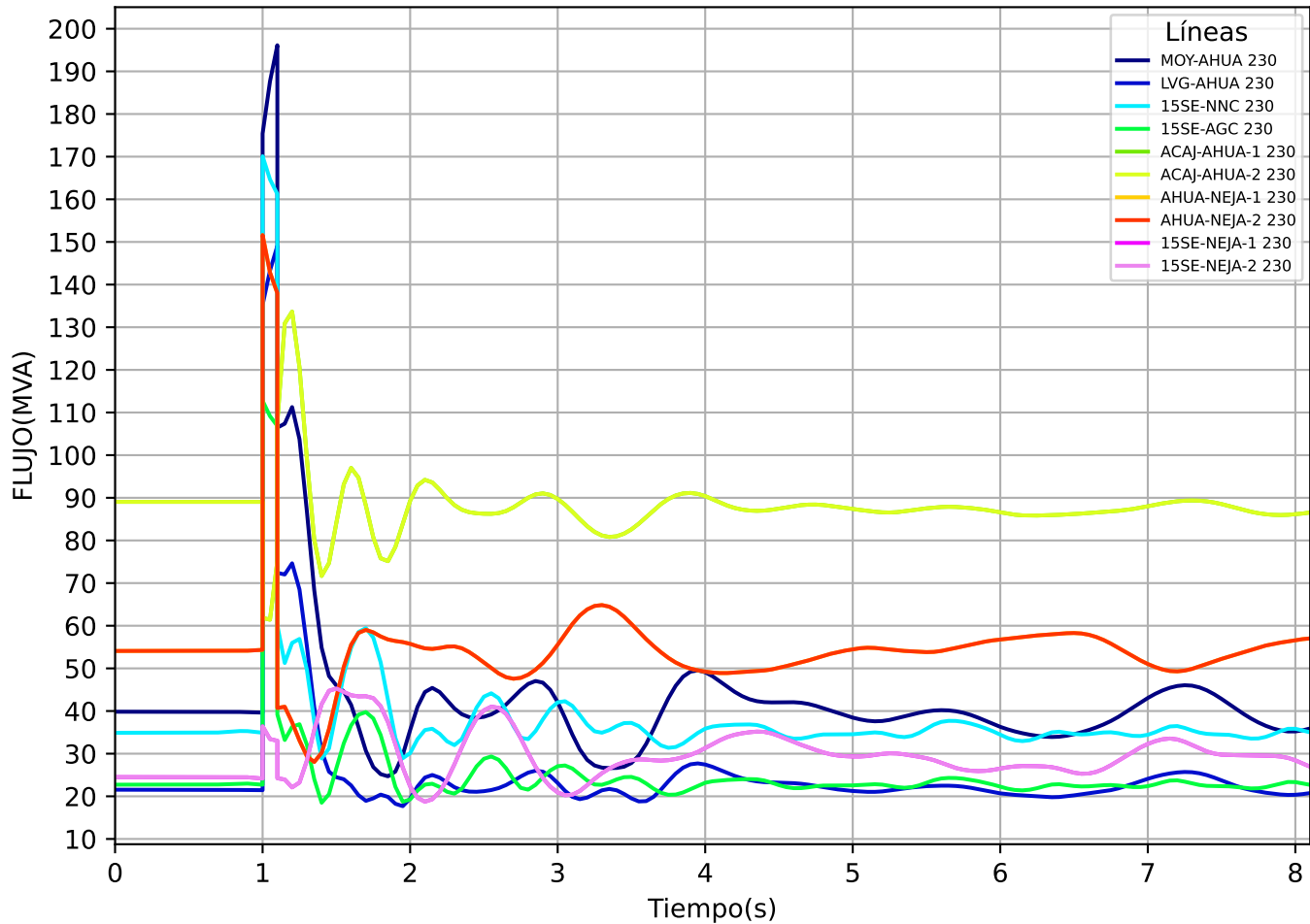
F37_SRAF-SMAR: FLUJO L-115kV 2



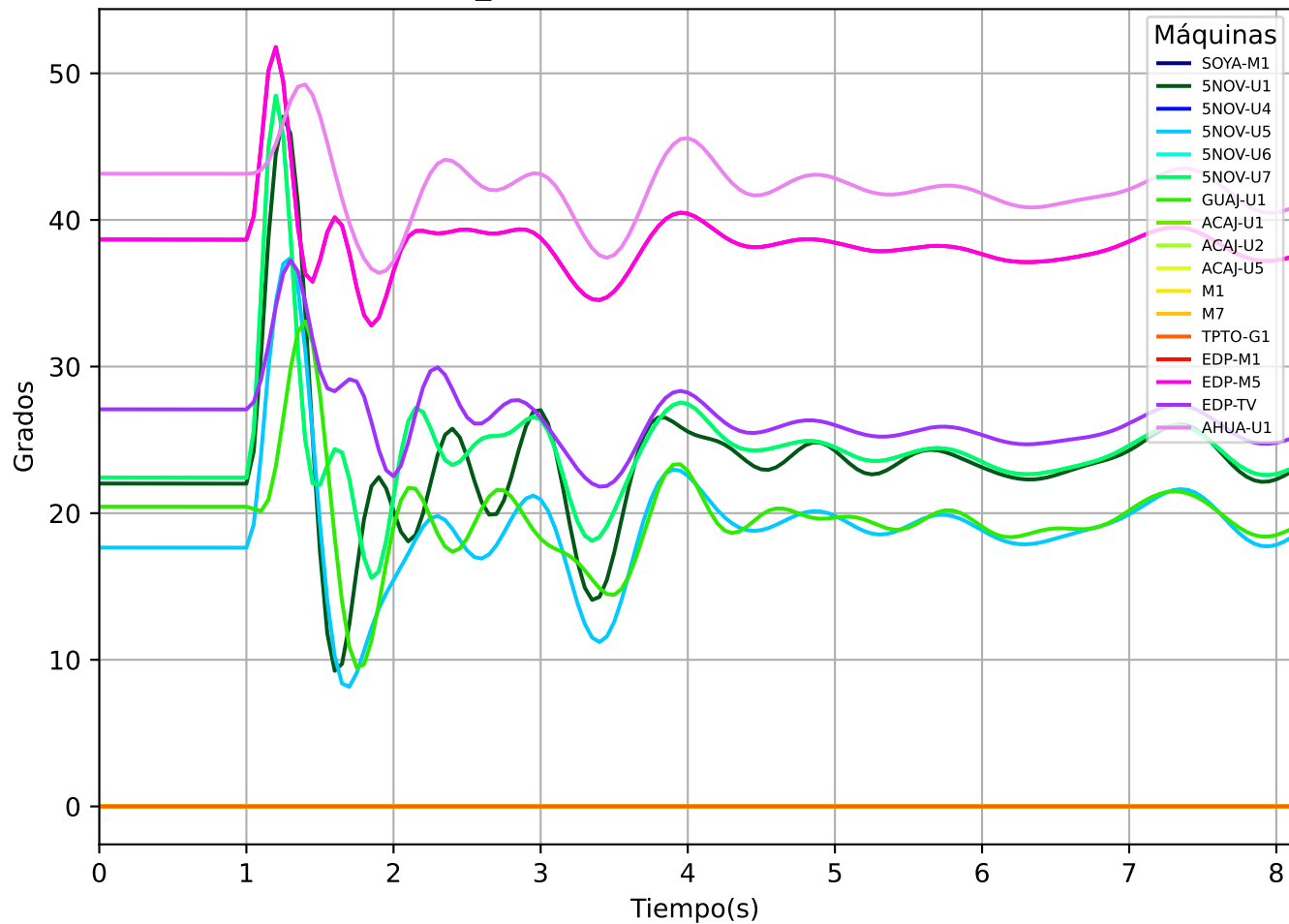
F37_SRAF-SMAR: FLUJO L-115kV 3



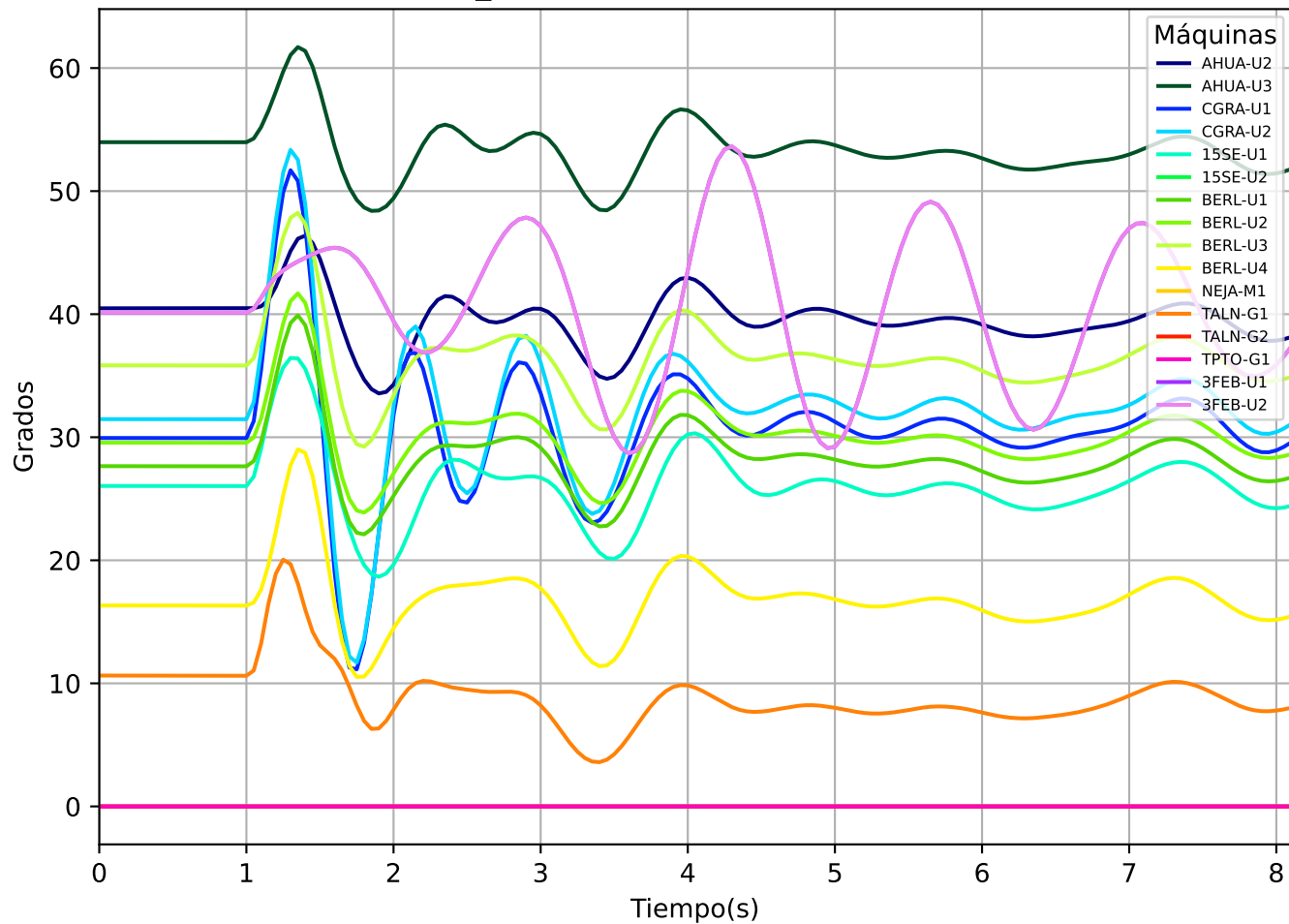
F37_SRAF-SMAR: FLUJO L-230kV 4



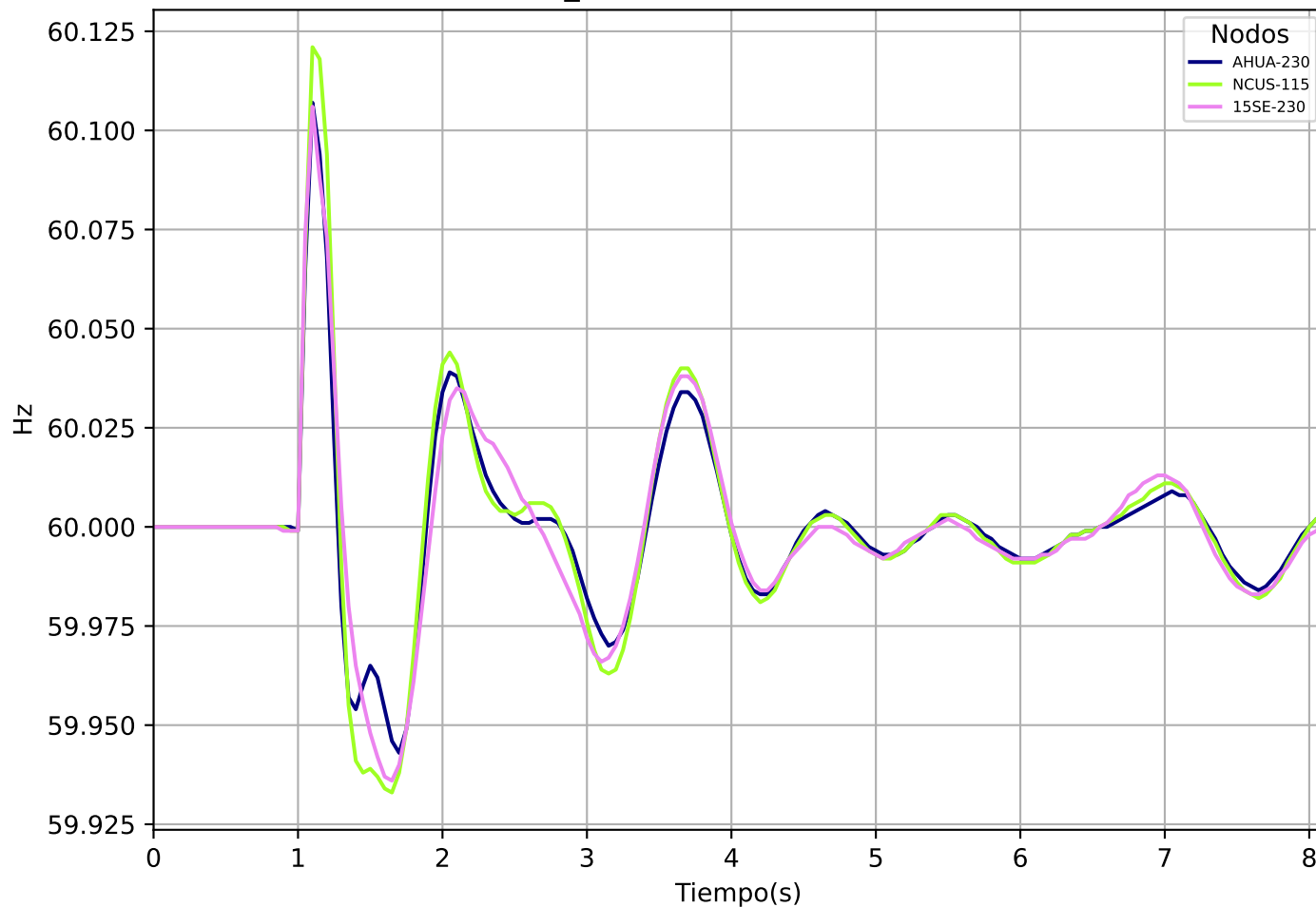
F37_SRAF-SMAR: ANGULO ROTOR 1



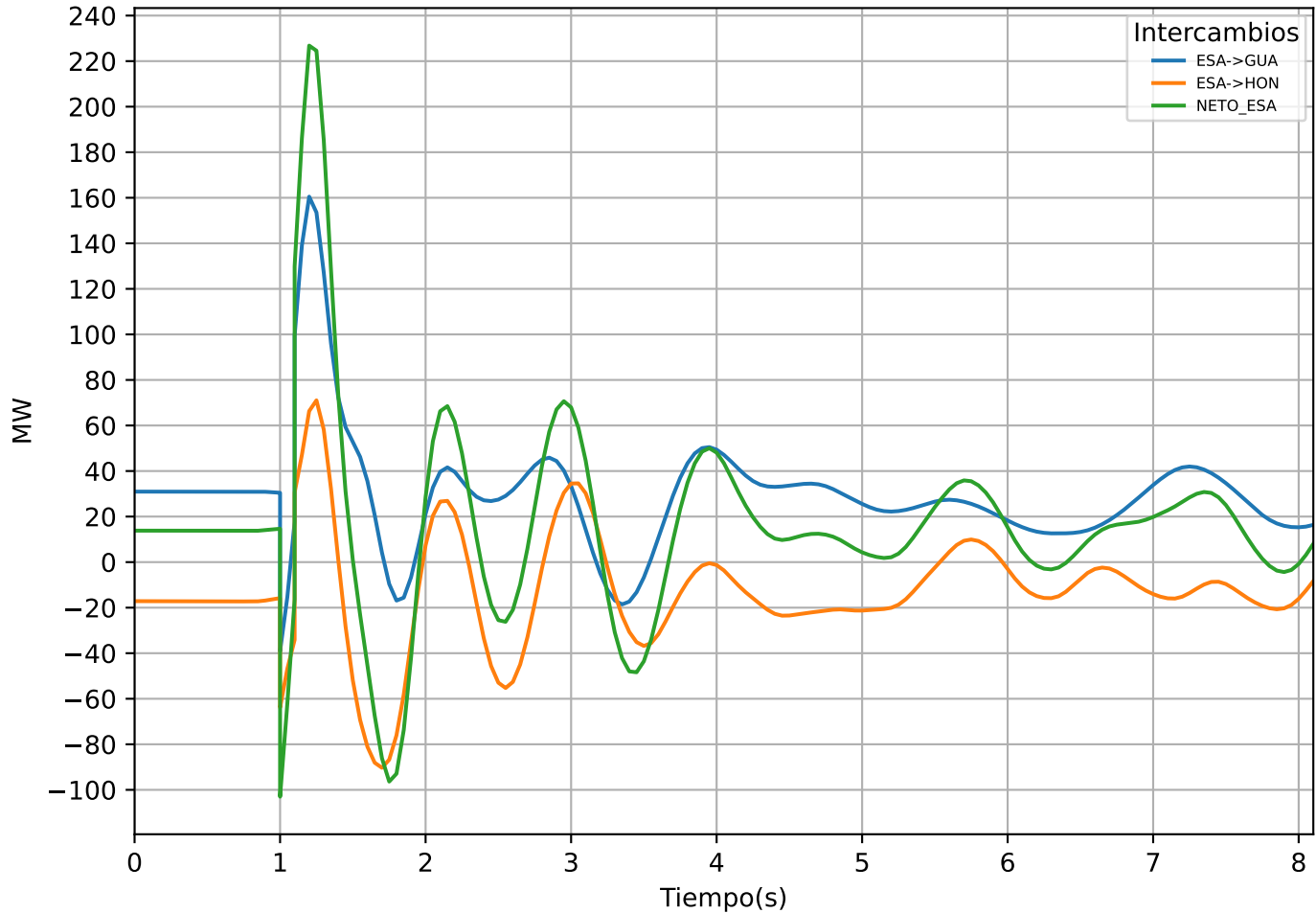
F37_SRAF-SMAR: ANGULO ROTOR 2



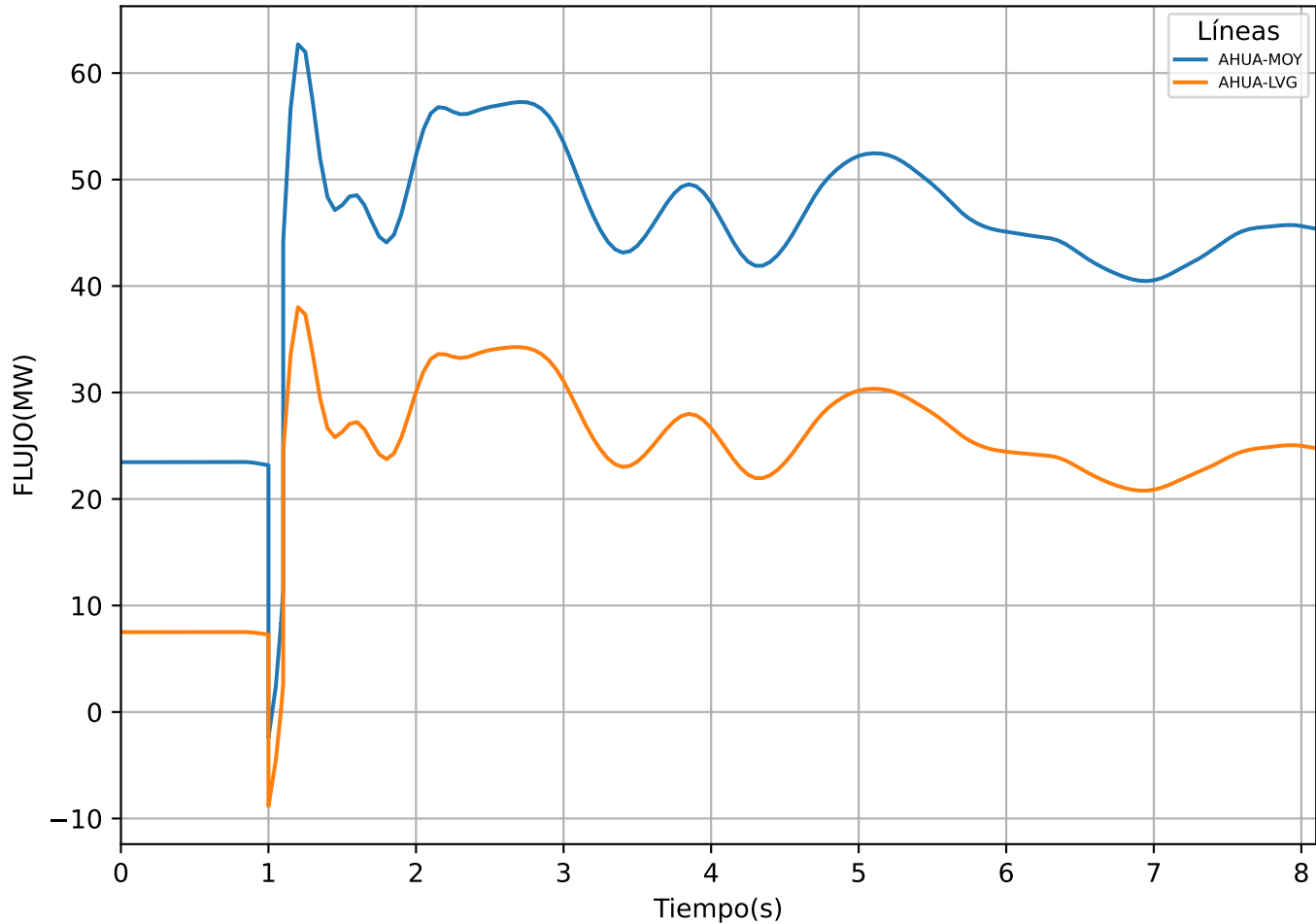
F37_SRAF-SMAR: FRECUENCIA



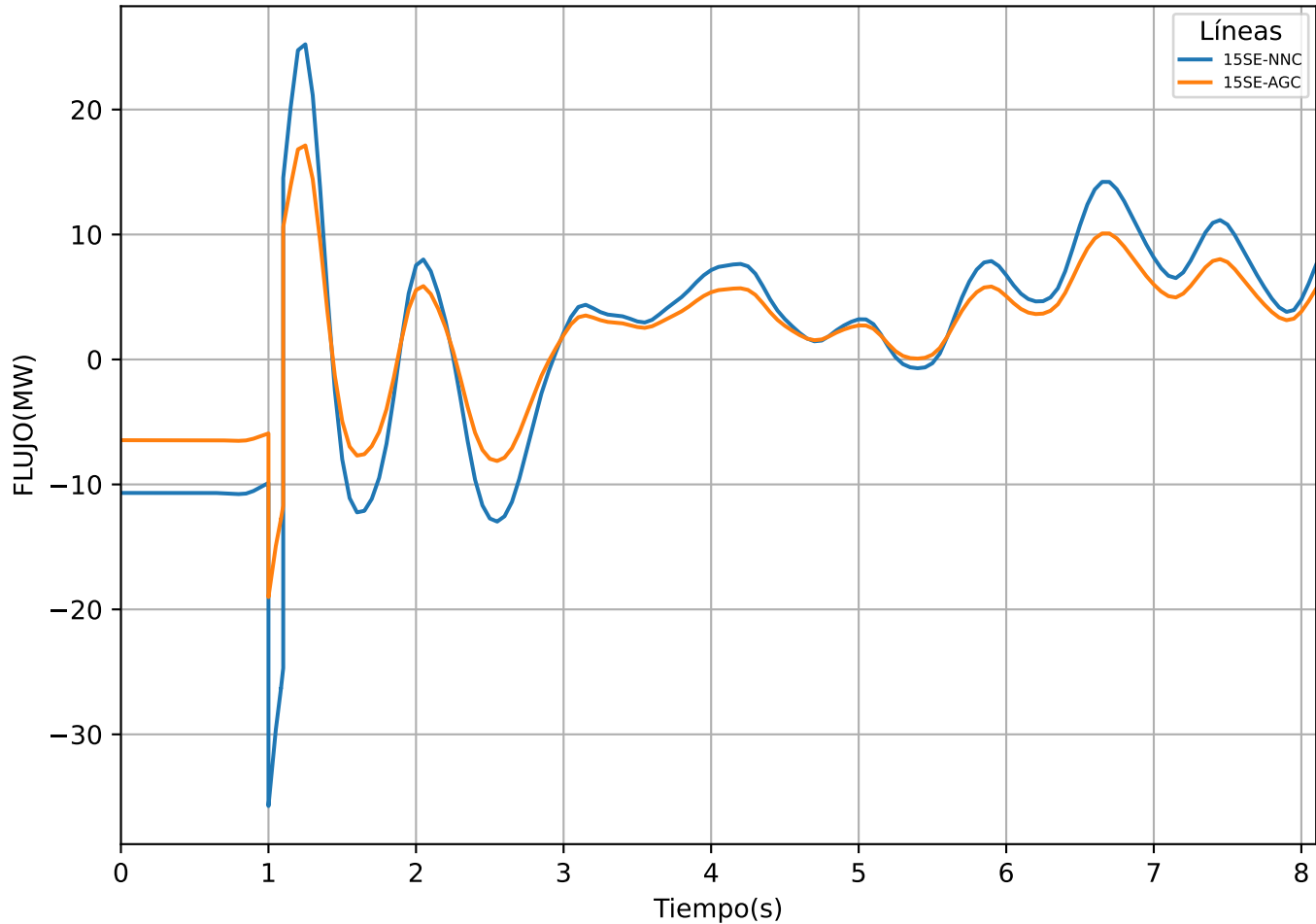
F37_SRAF-SMAR: Intercambios ESA



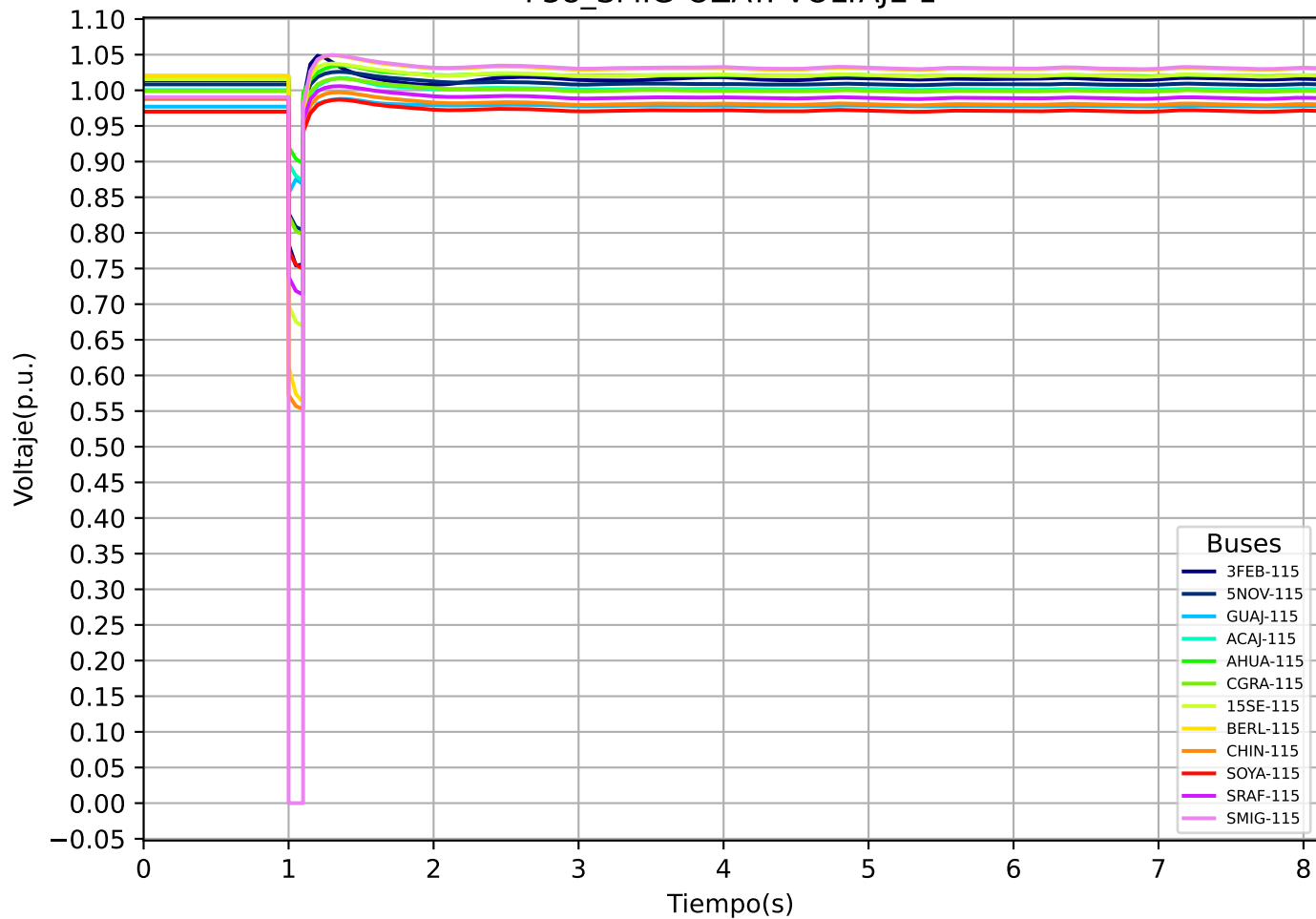
F38_SMIG-OZAT: FLUJO INTERCONEXIONES ESA-GUA



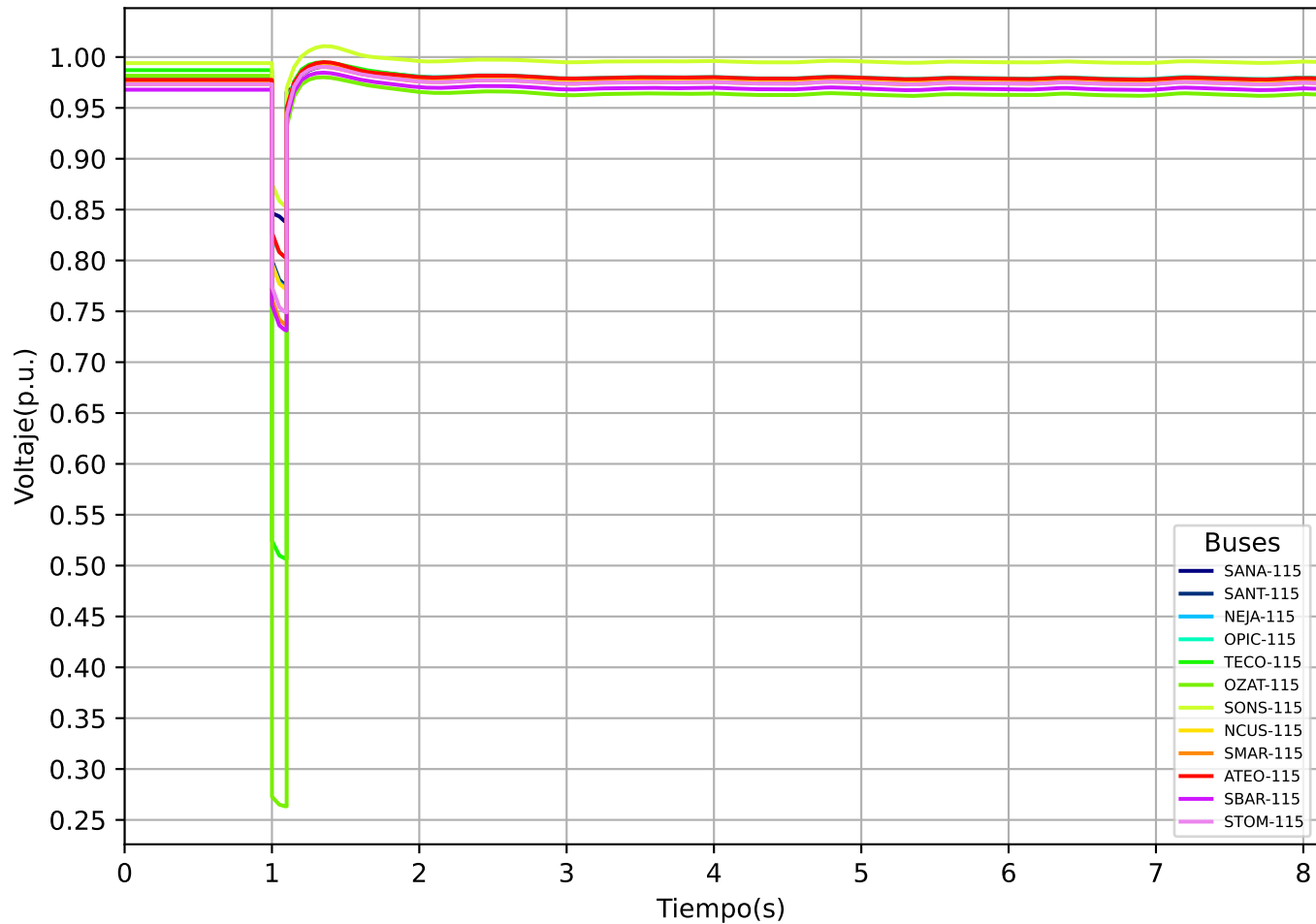
F38_SMIG-OZAT: FLUJO INTERCONEXIONES ESA-HON



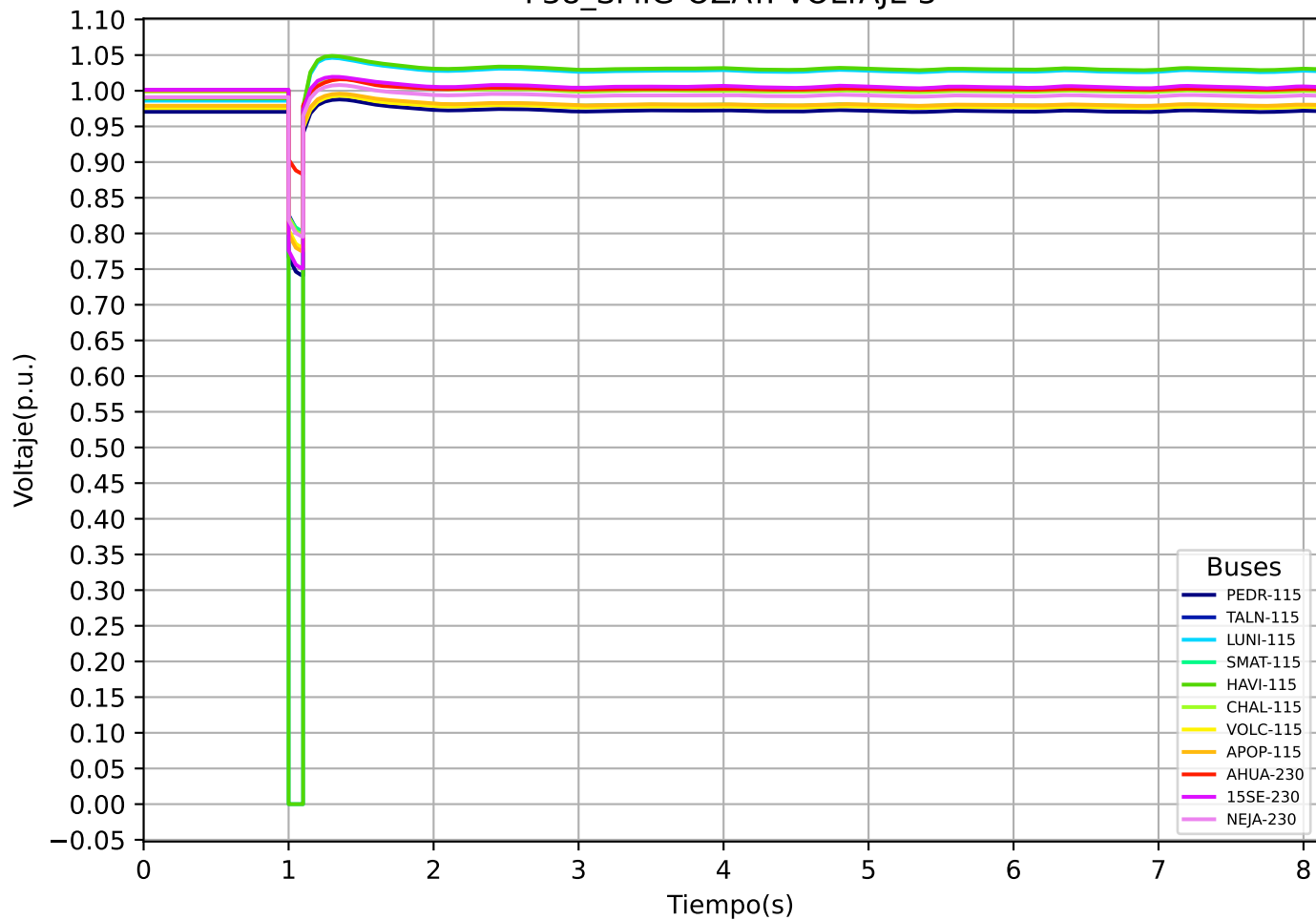
F38_SMIG-OZAT: VOLTAJE 1



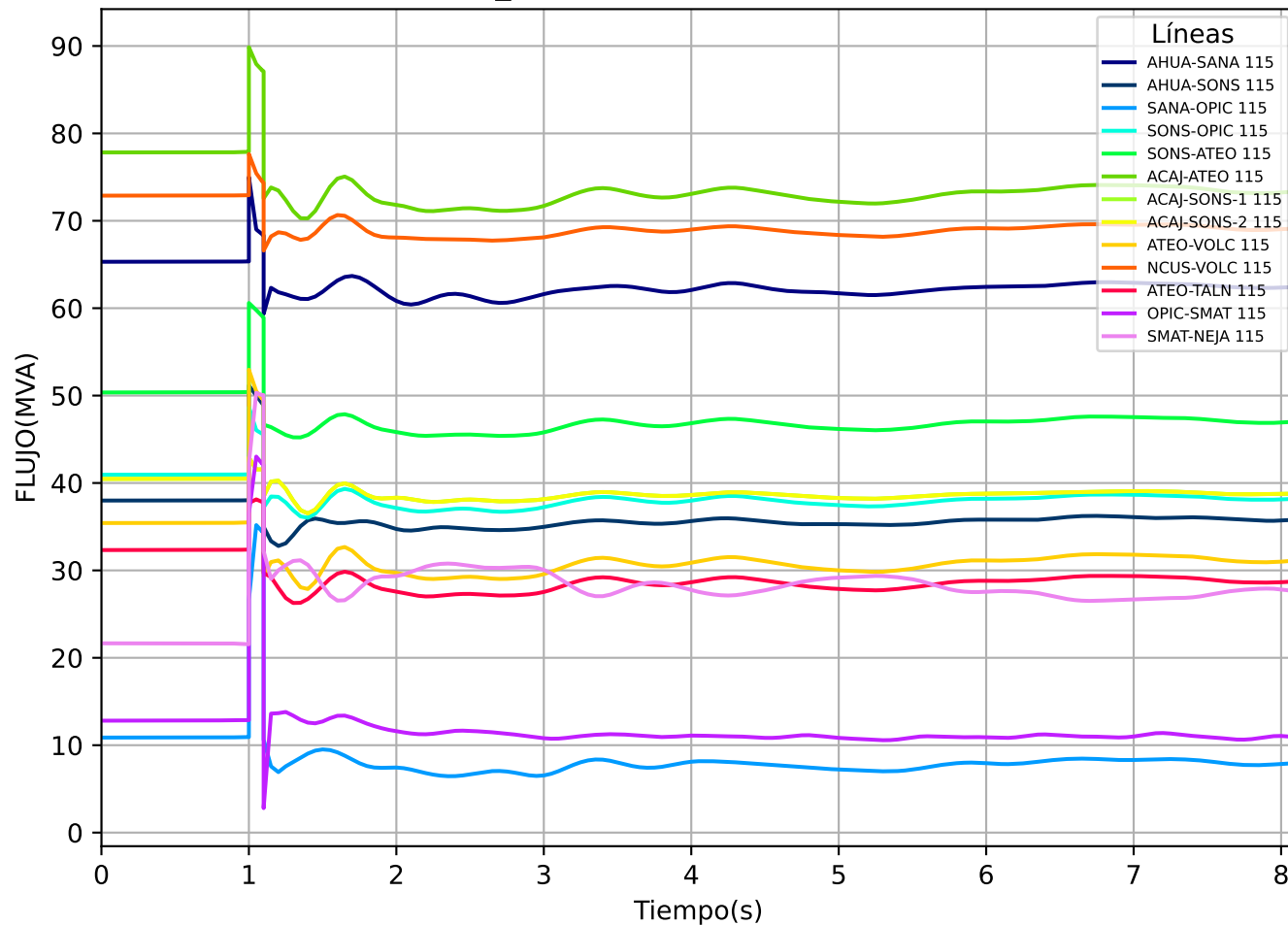
F38_SMIG-OZAT: VOLTAJE 2



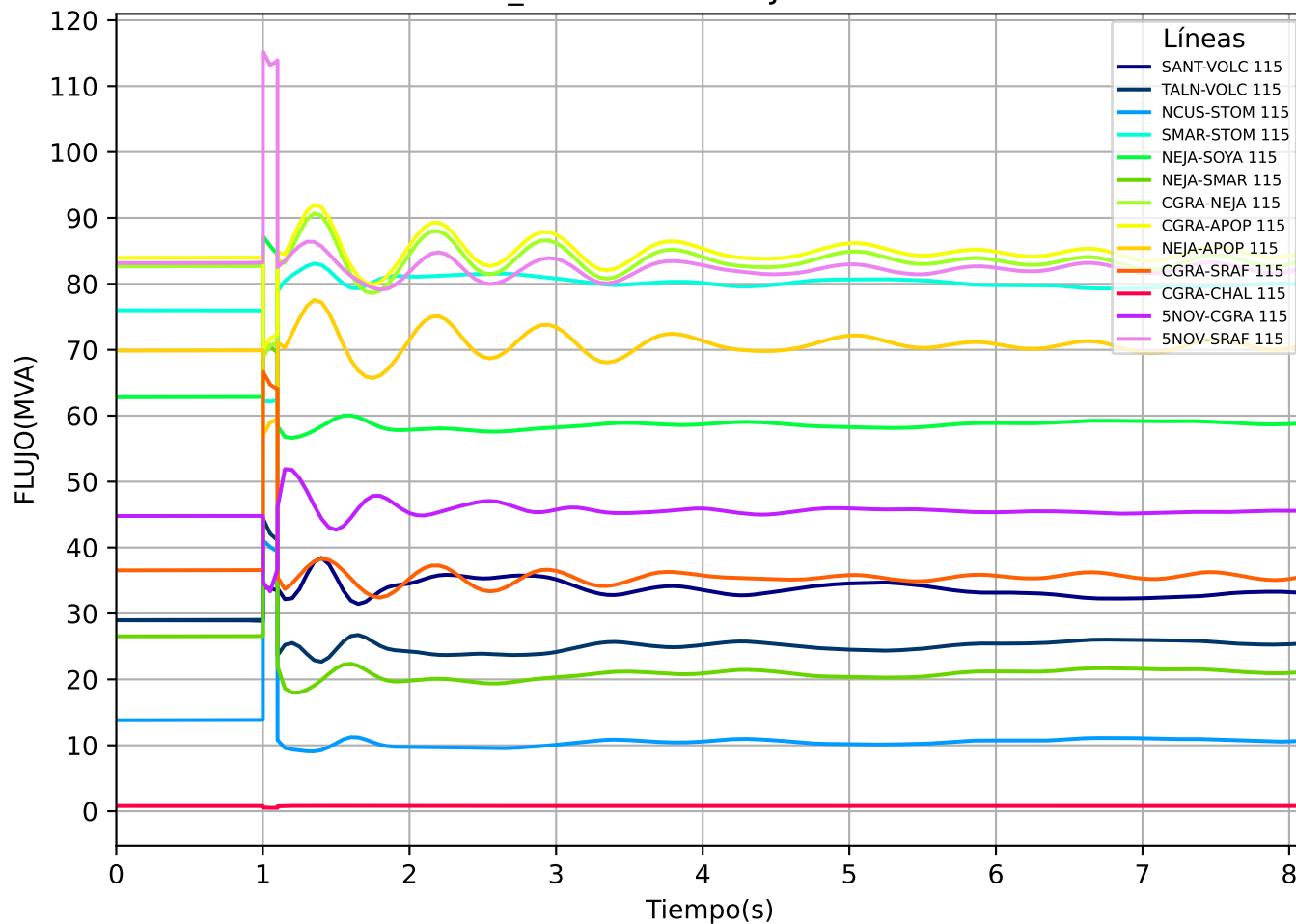
F38_SMIG-OZAT: VOLTAJE 3



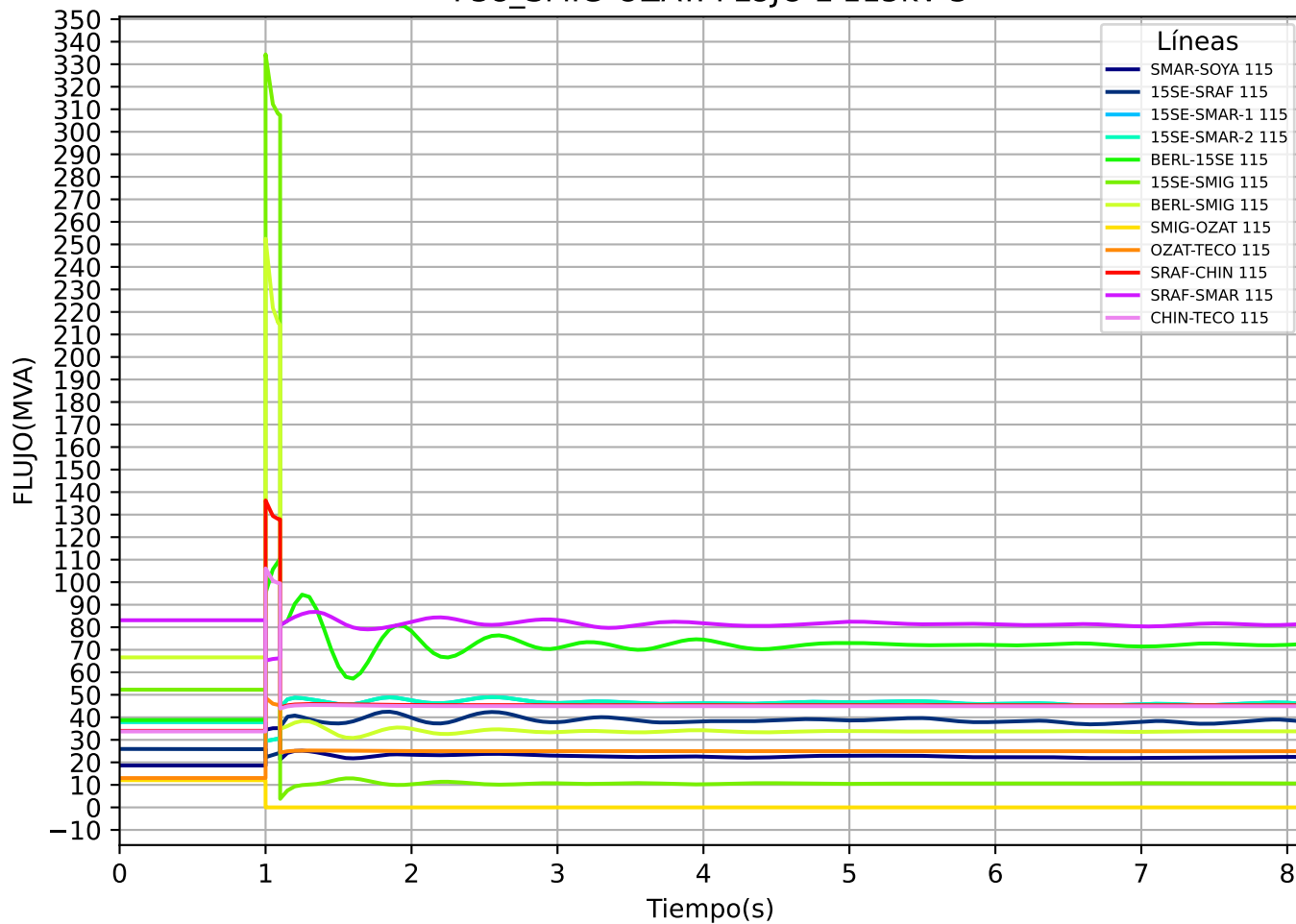
F38_SMIG-OZAT: FLUJO L-115kV 1



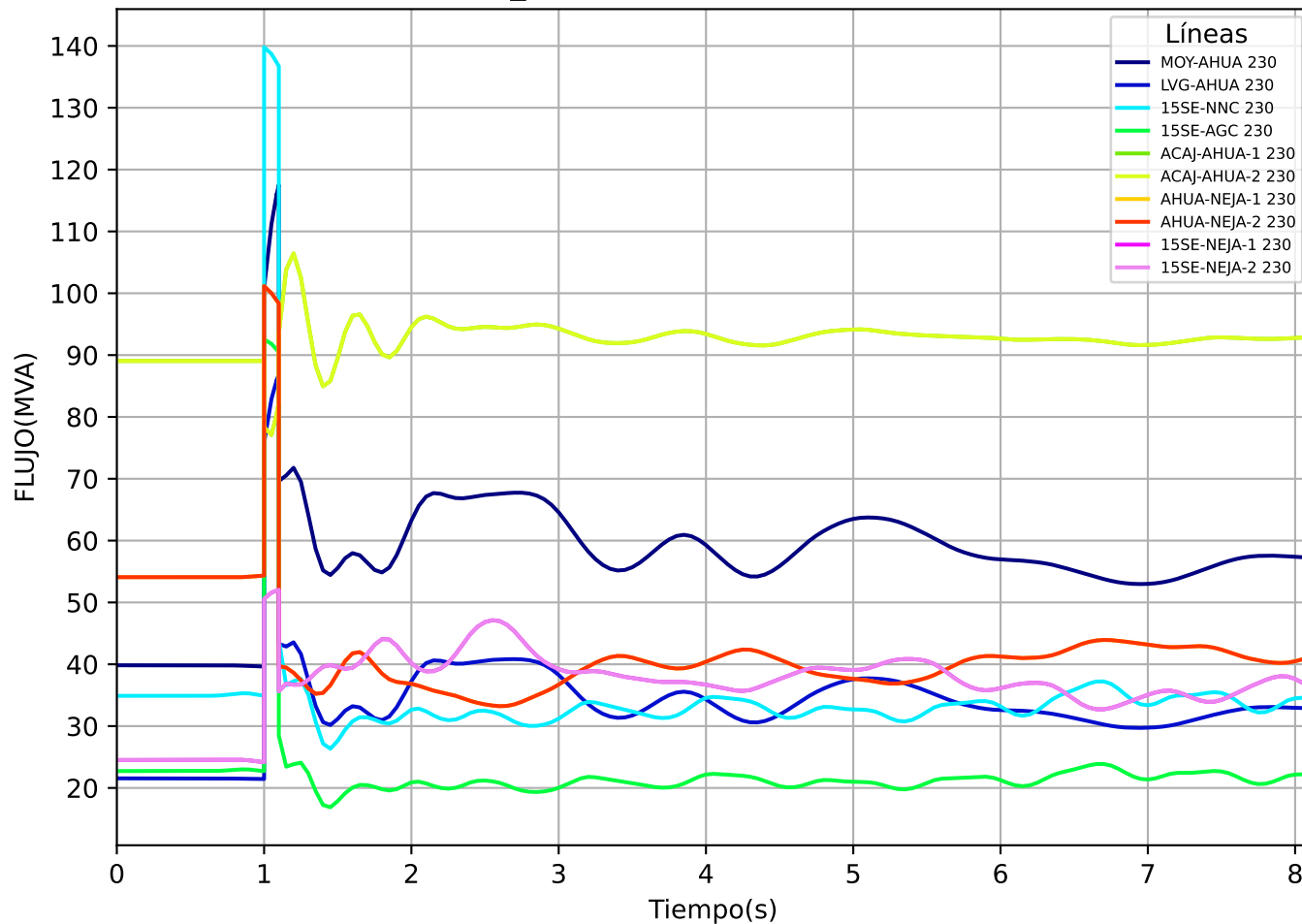
F38_SMIG-OZAT: FLUJO L-115kV 2



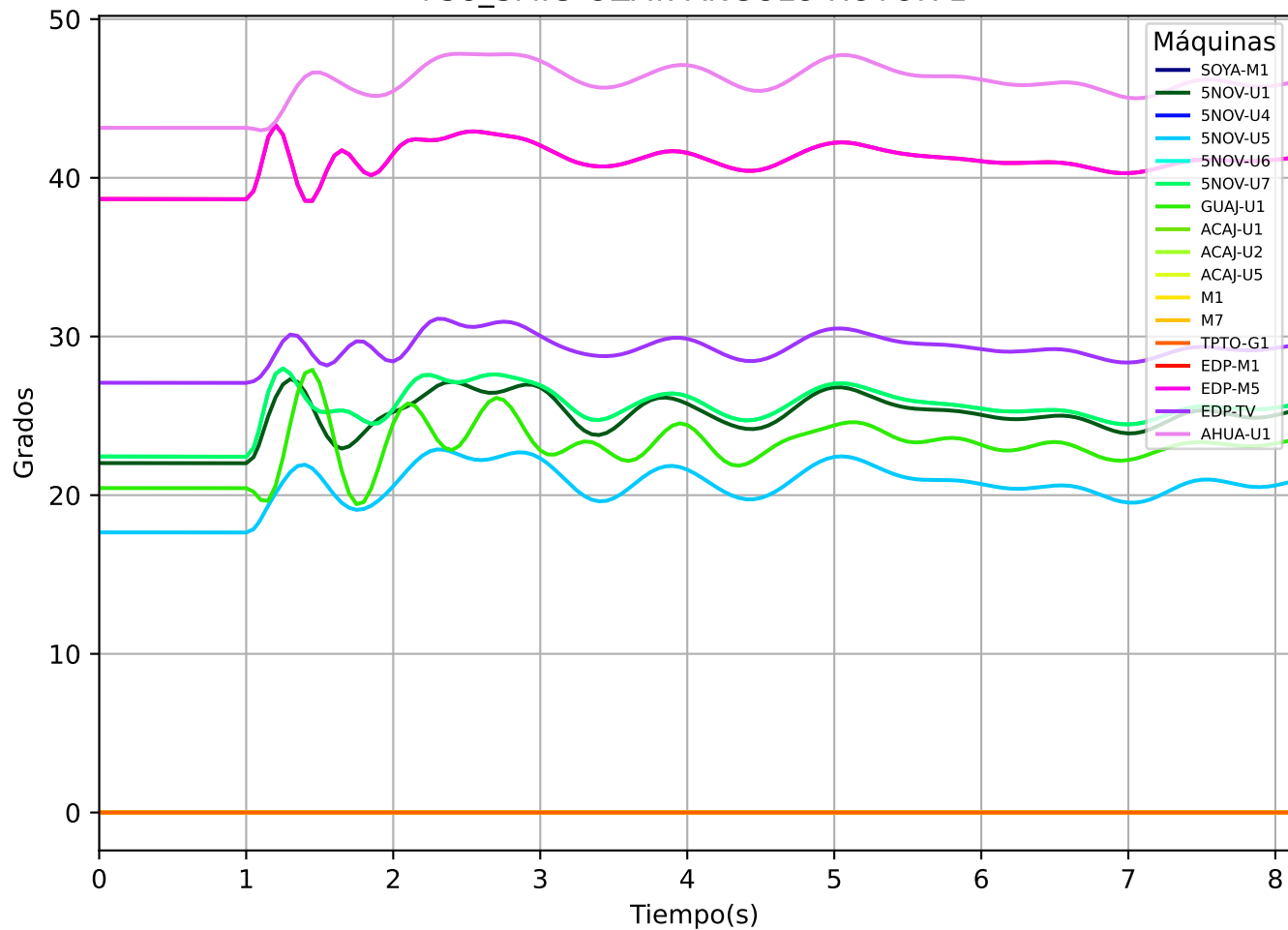
F38_SMIG-OZAT: FLUJO L-115kV 3



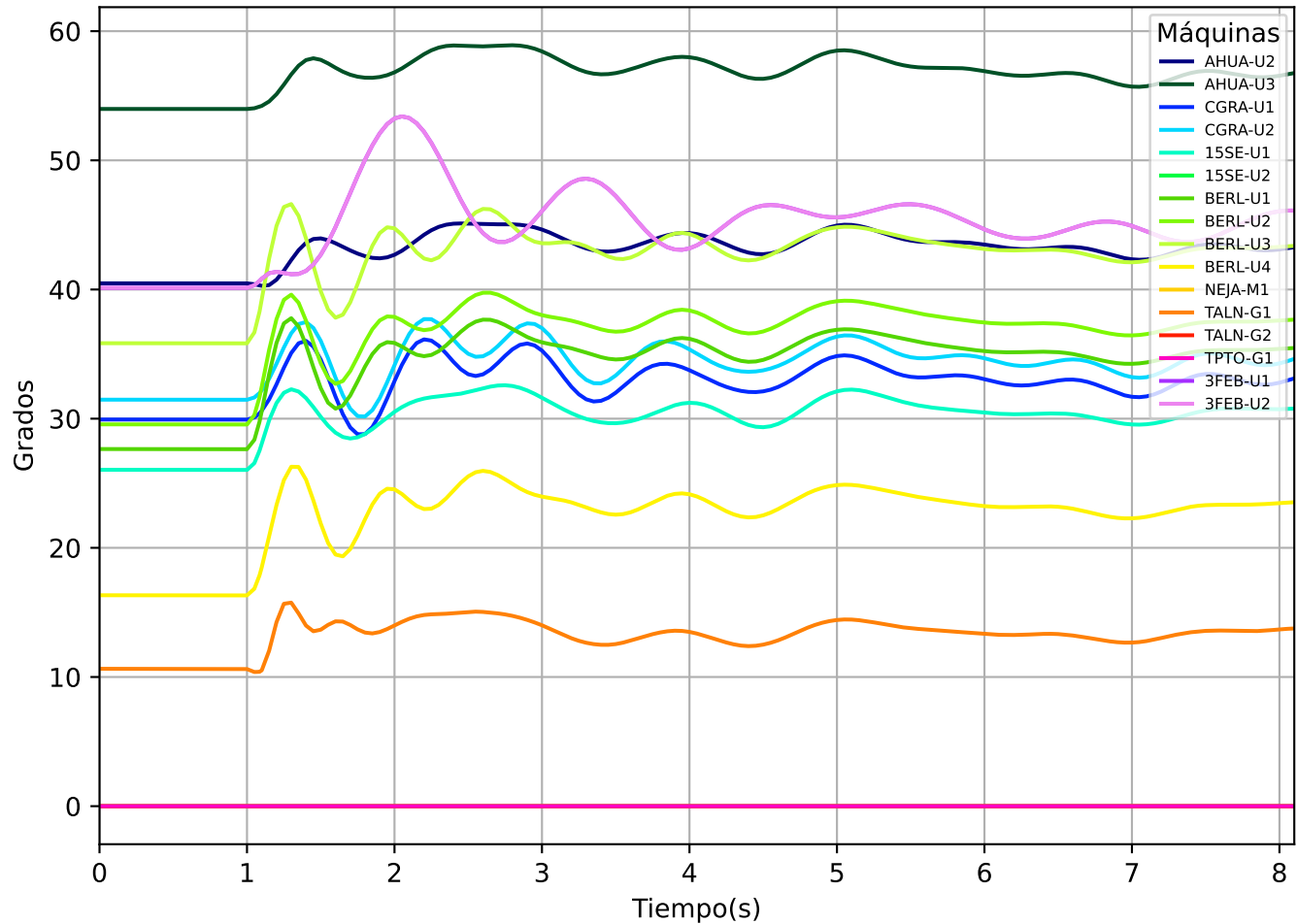
F38_SMIG-OZAT: FLUJO L-230kV 4



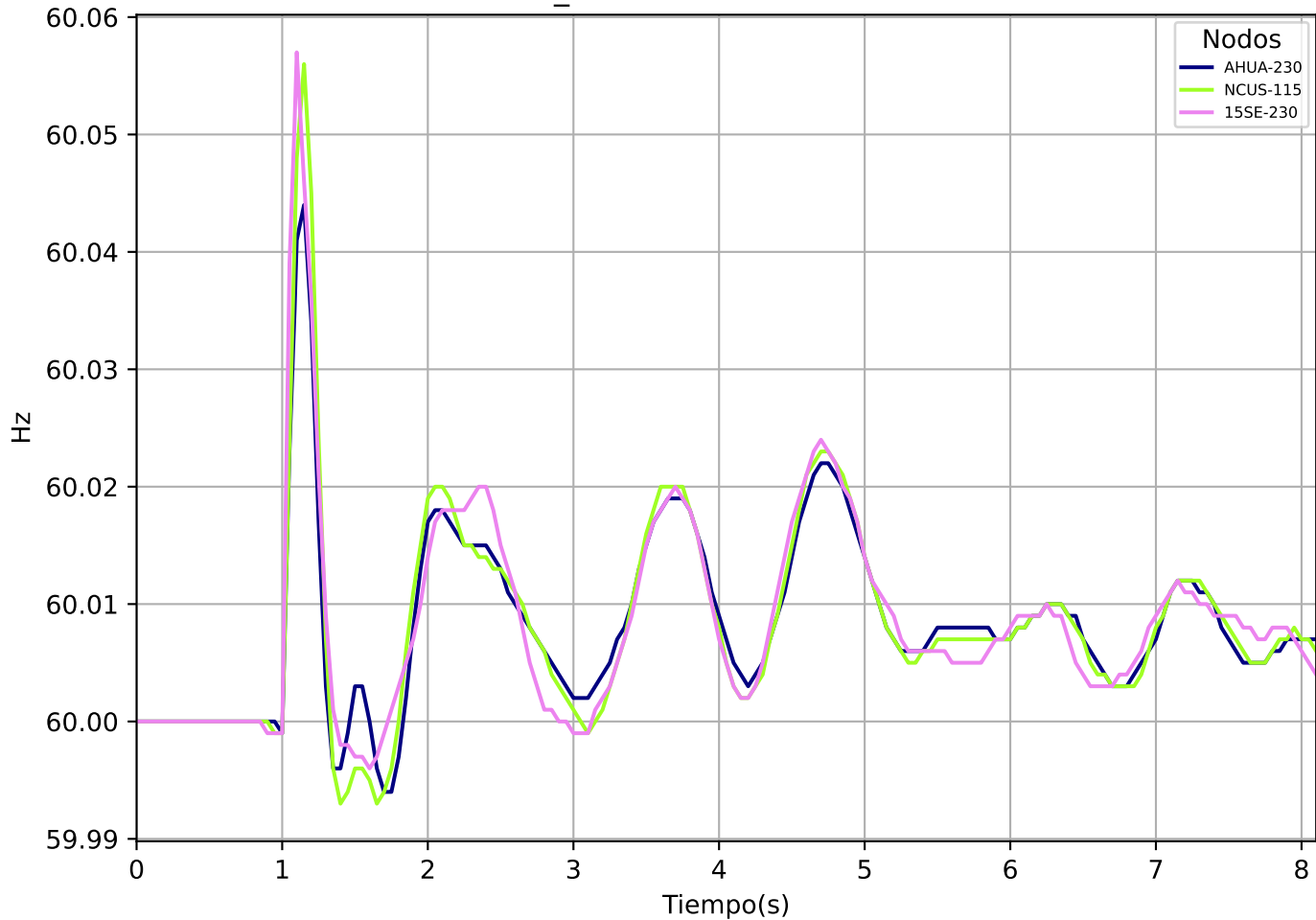
F38_SMIG-OZAT: ANGULO ROTOR 1



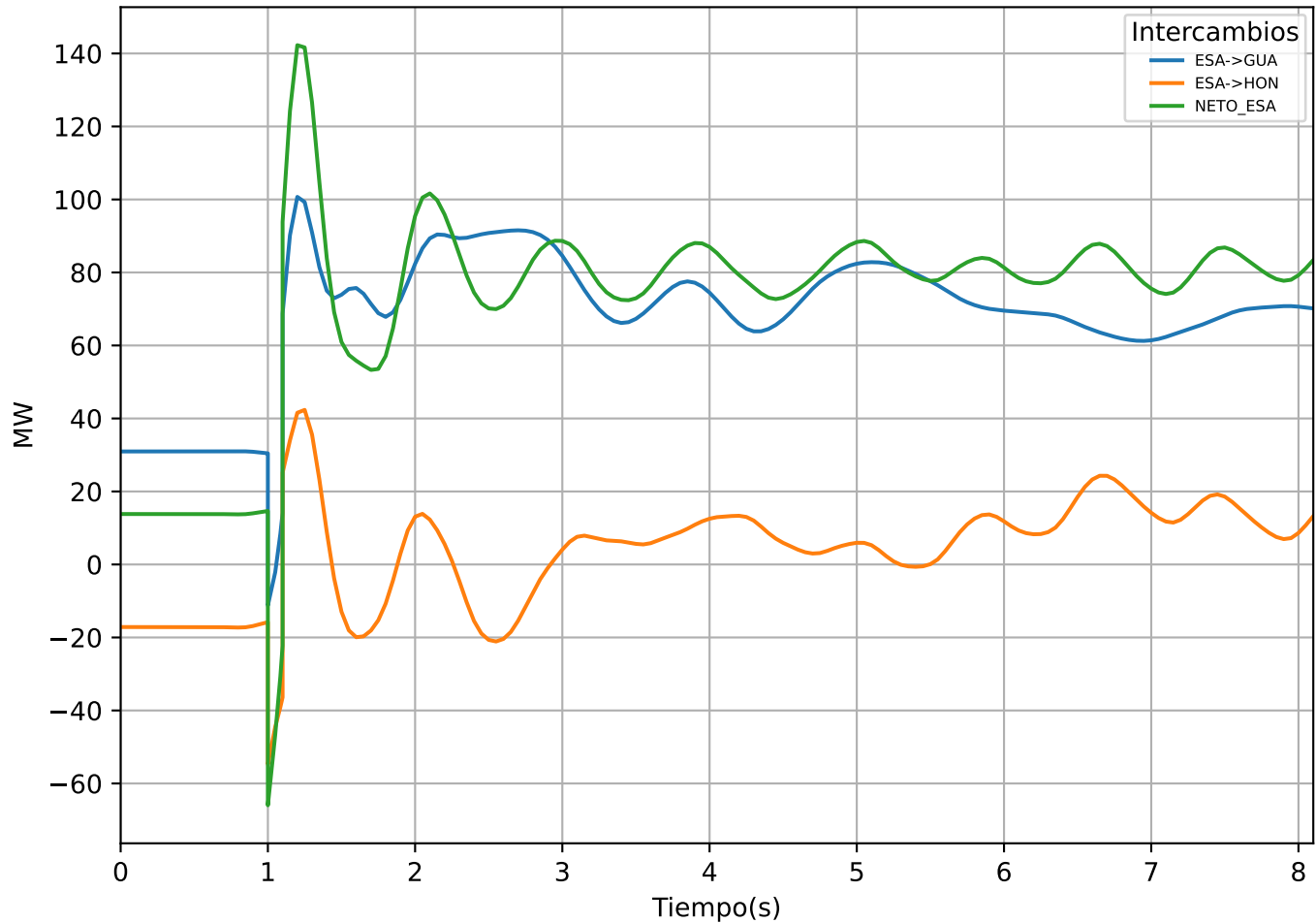
F38_SMIG-OZAT: ANGULO ROTOR 2



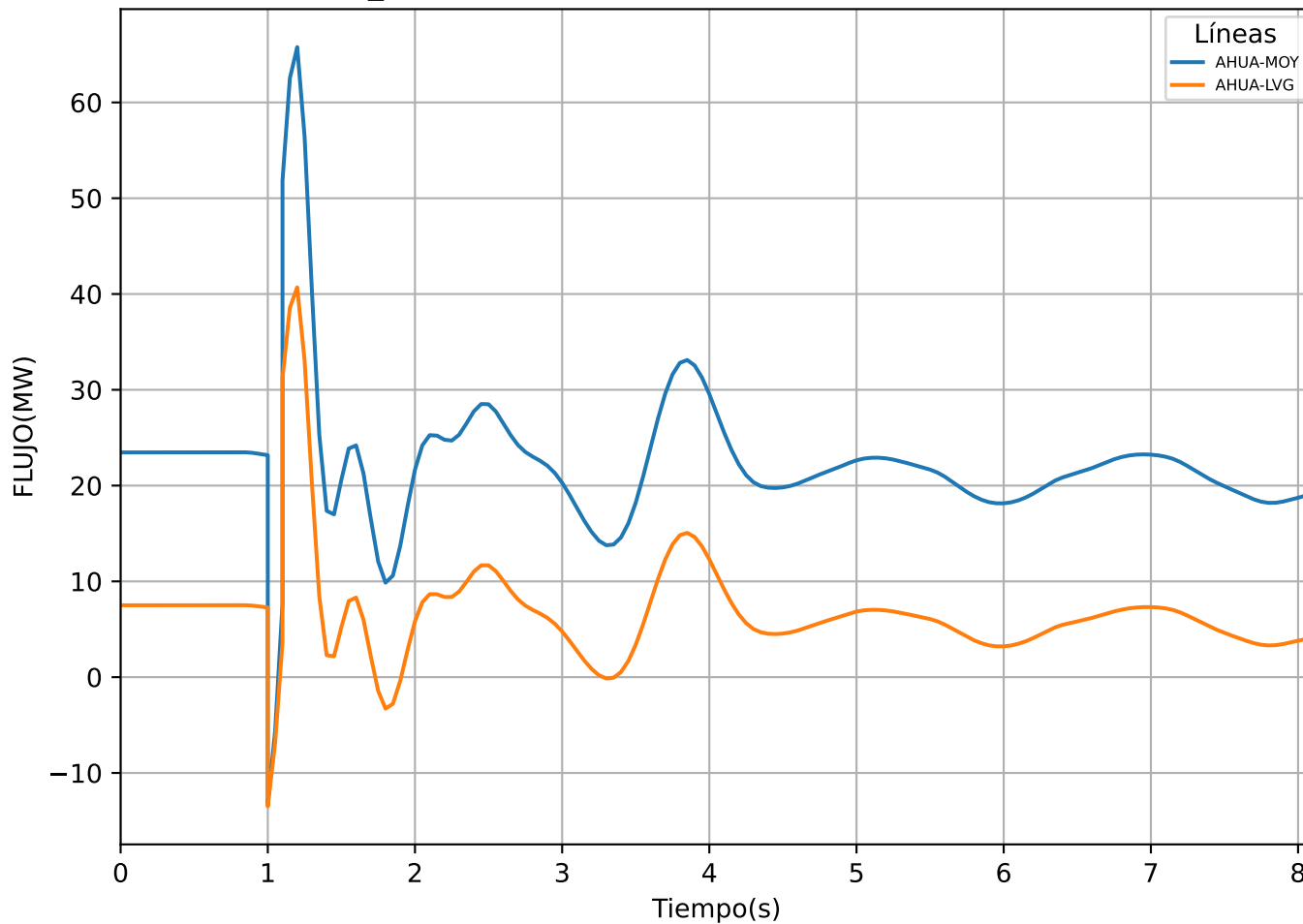
F38_SMIG-OZAT: FRECUENCIA



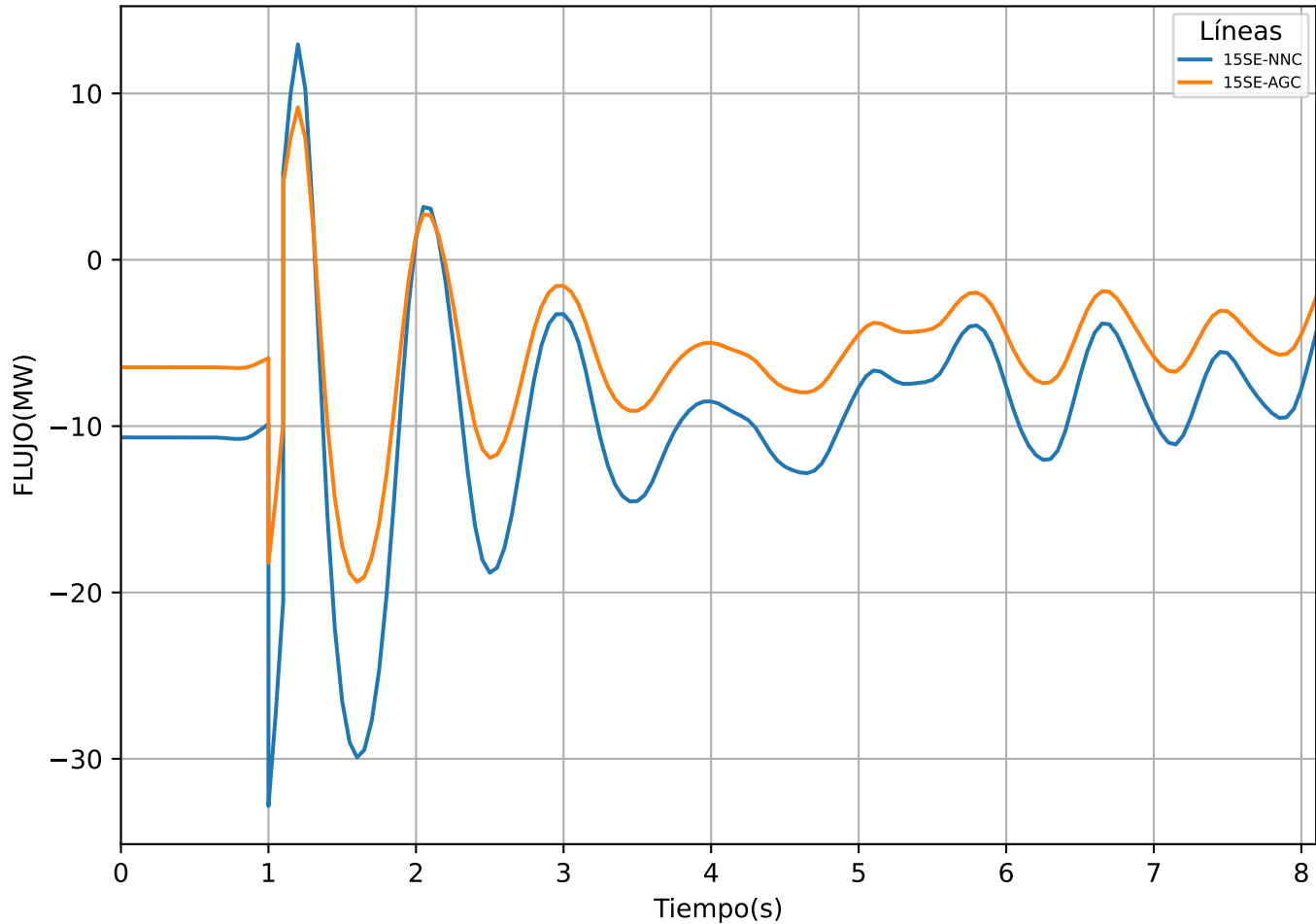
F38_SMIG-OZAT: Intercambios ESA



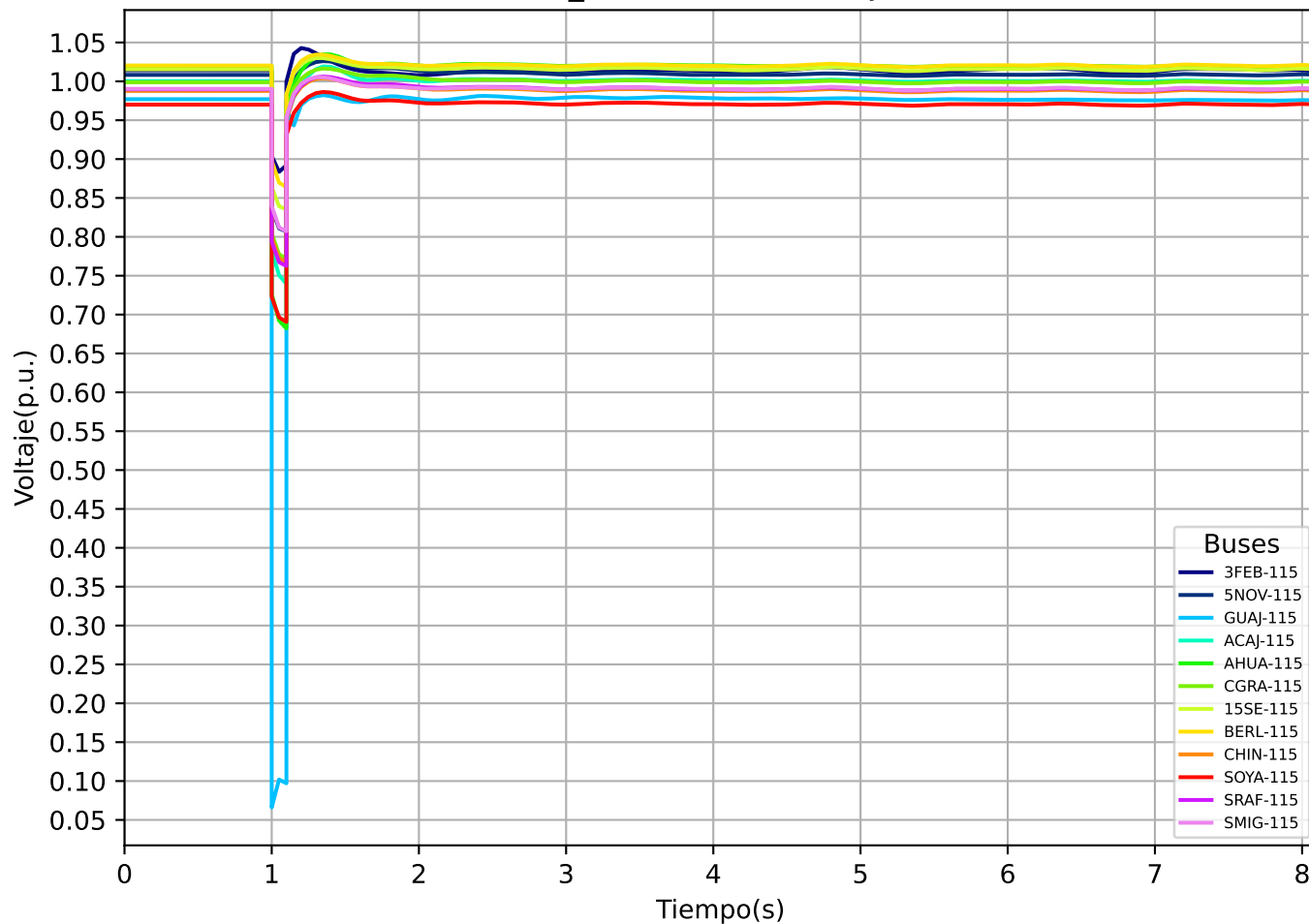
F39_SANA-OPIC: FLUJO INTERCONEXIONES ESA-GUA



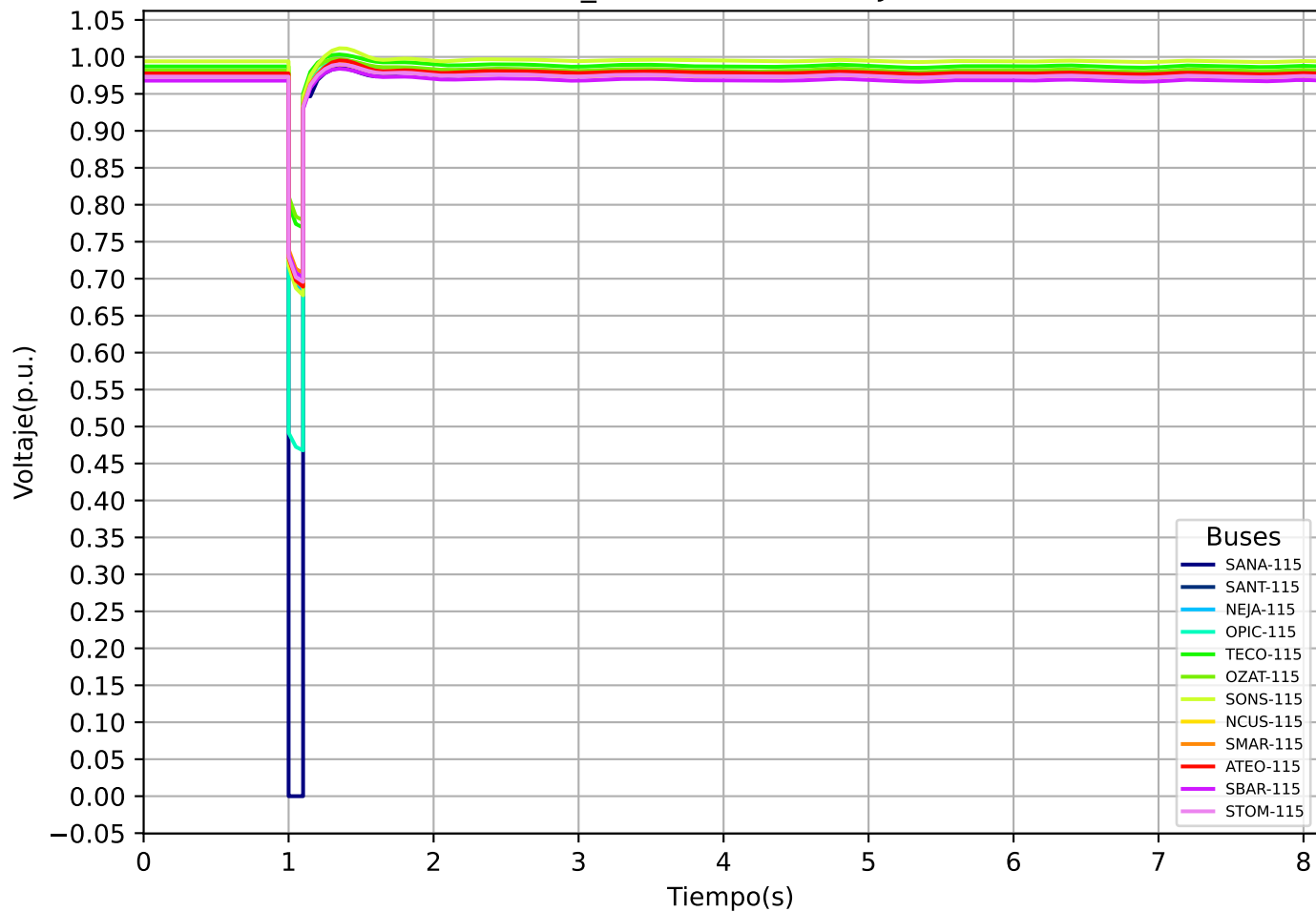
F39_SANA-OPIC: FLUJO INTERCONEXIONES ESA-HON



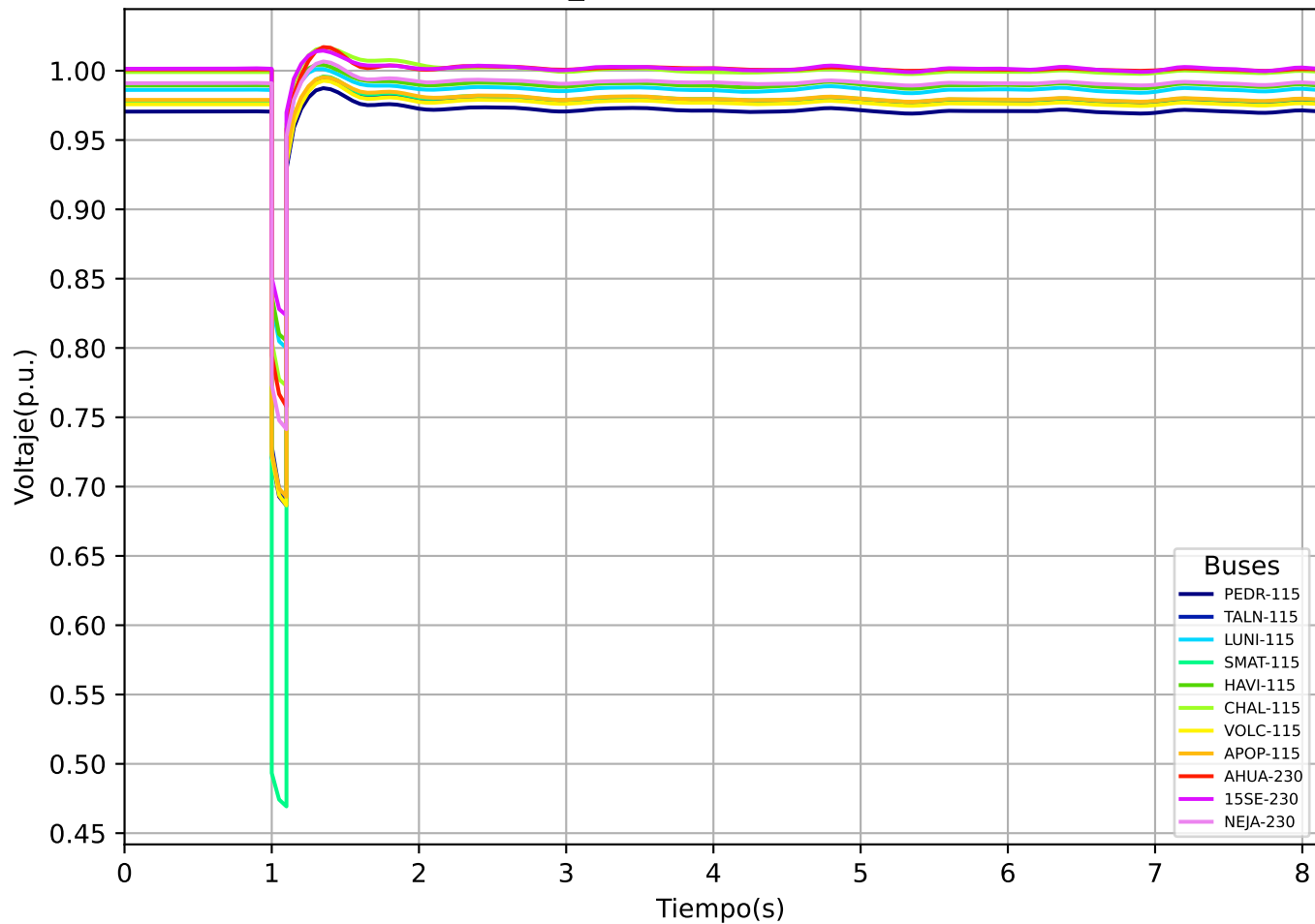
F39_SANA-OPIC: VOLTAJE 1



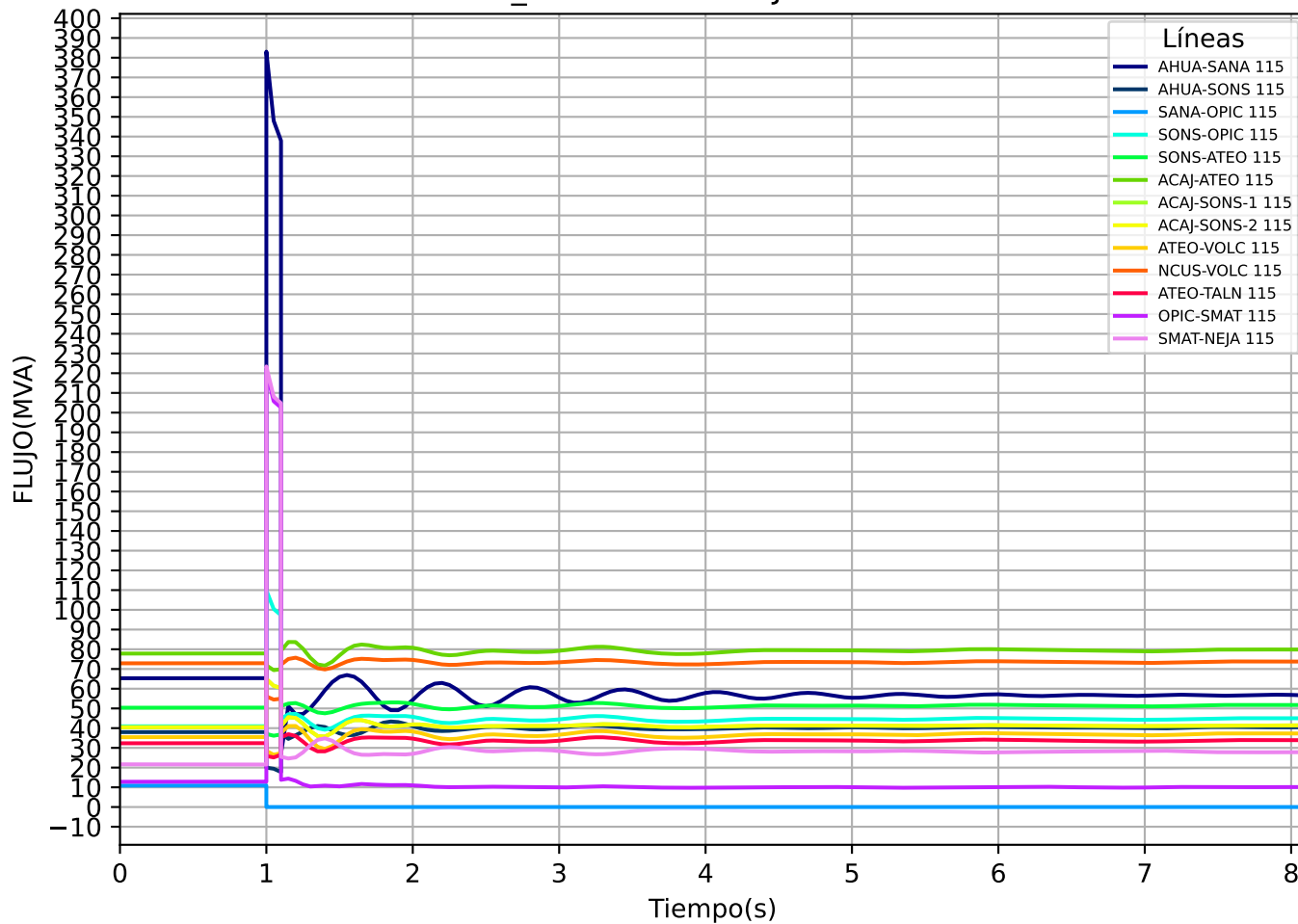
F39_SANA-OPIC: VOLTAJE 2



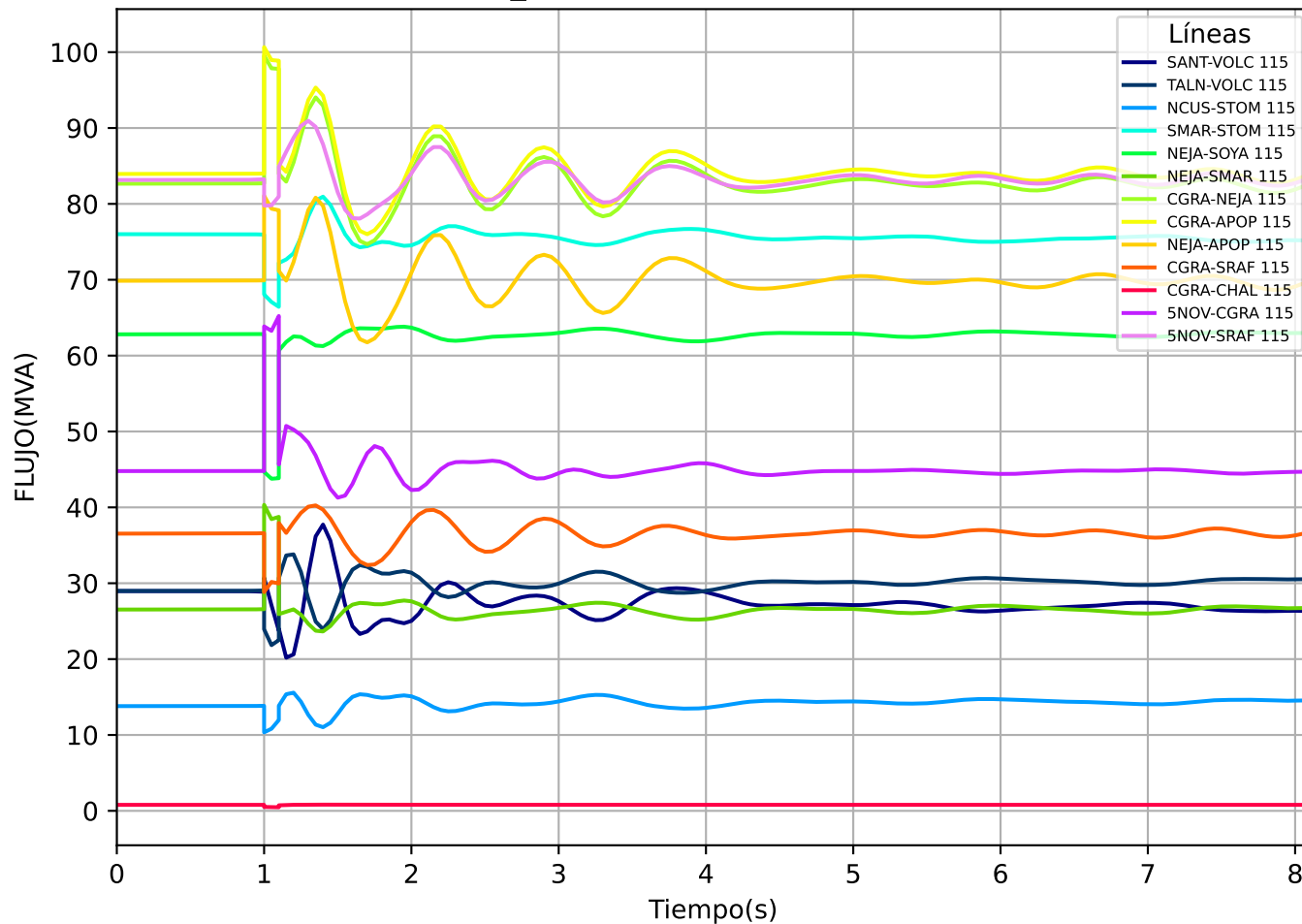
F39_SANA-OPIC: VOLTAJE 3



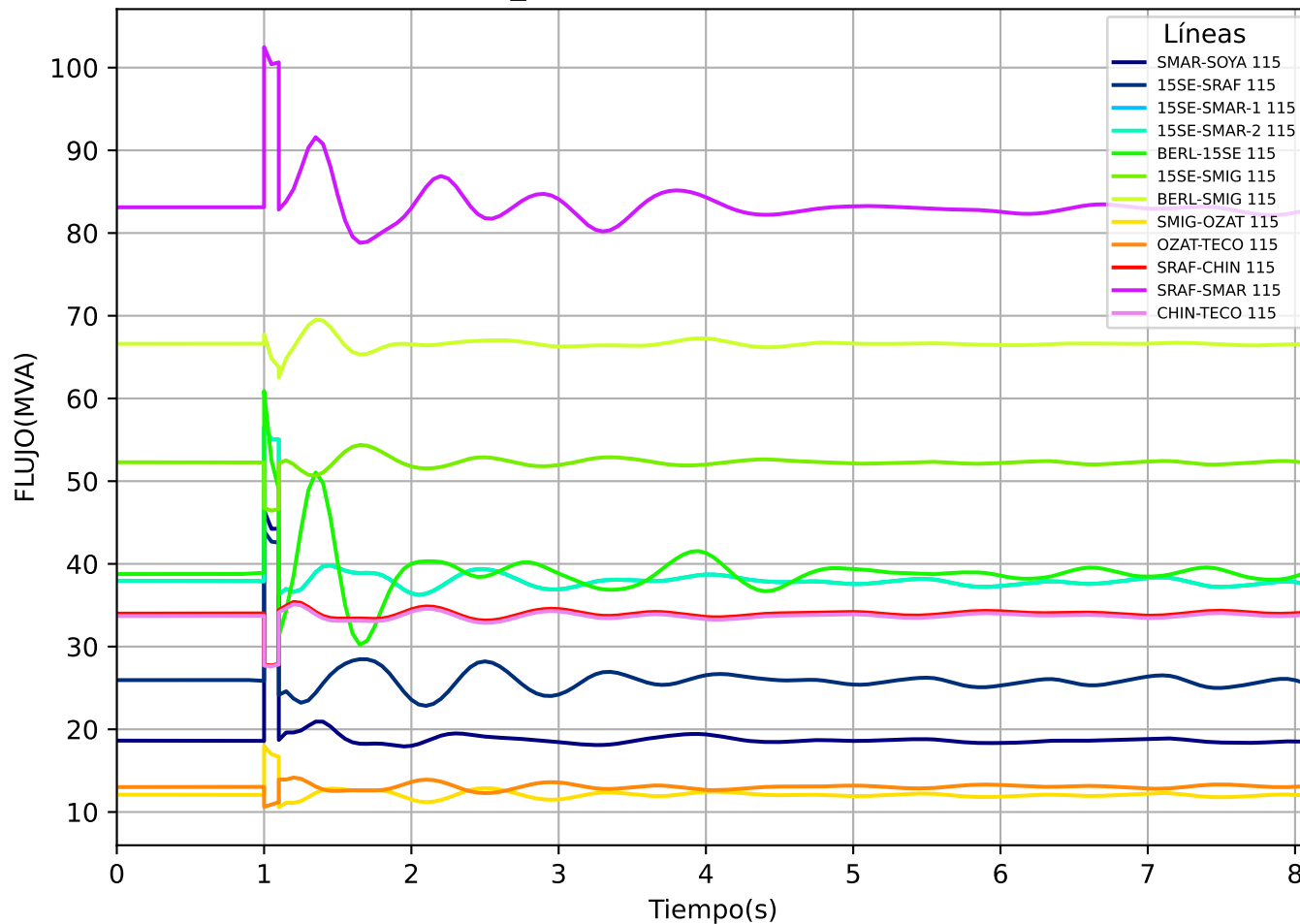
F39_SANA-OPIC: FLUJO L-115kV 1



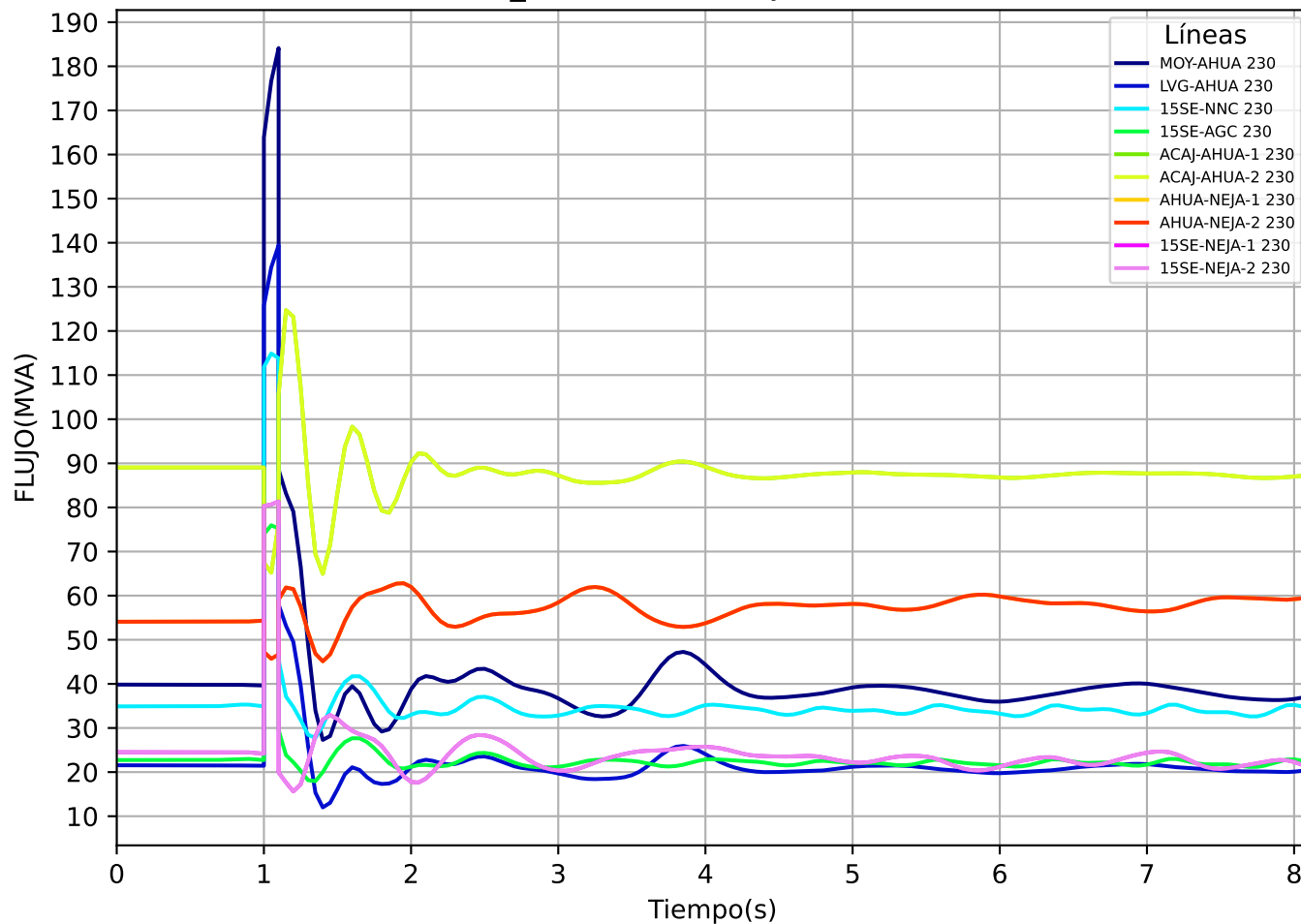
F39_SANA-OPIC: FLUJO L-115kV 2



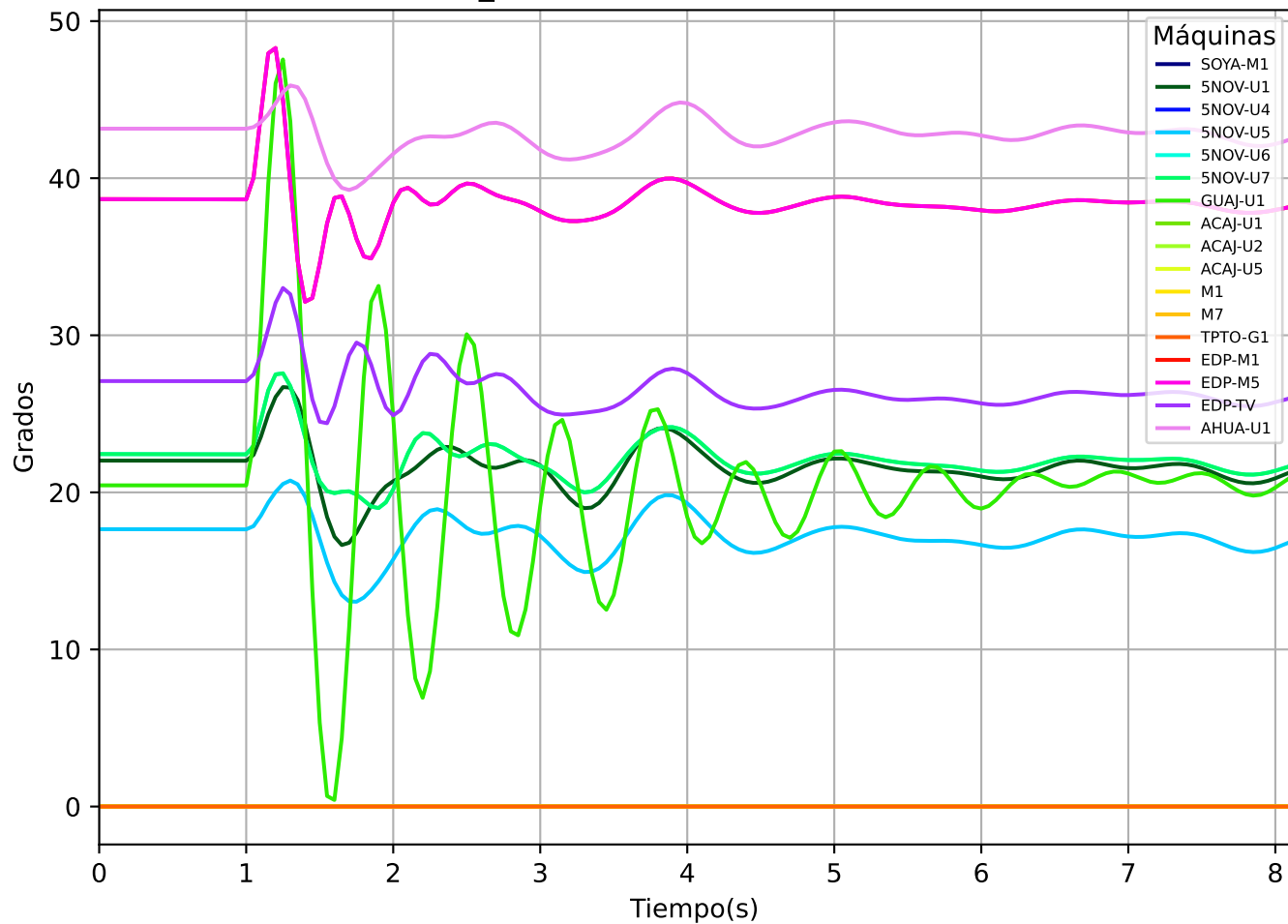
F39_SANA-OPIC: FLUJO L-115kV 3



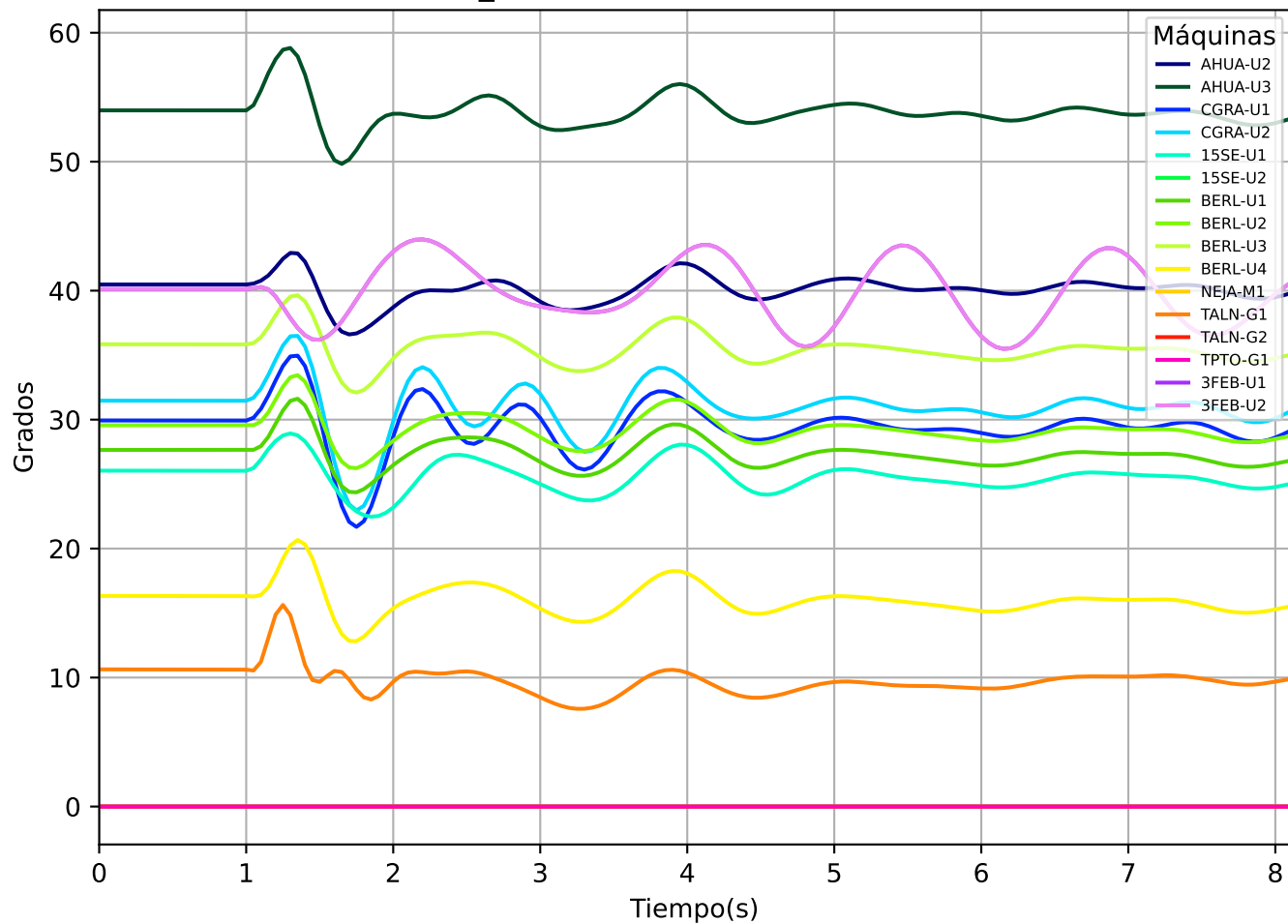
F39_SANA-OPIC: FLUJO L-230kV 4



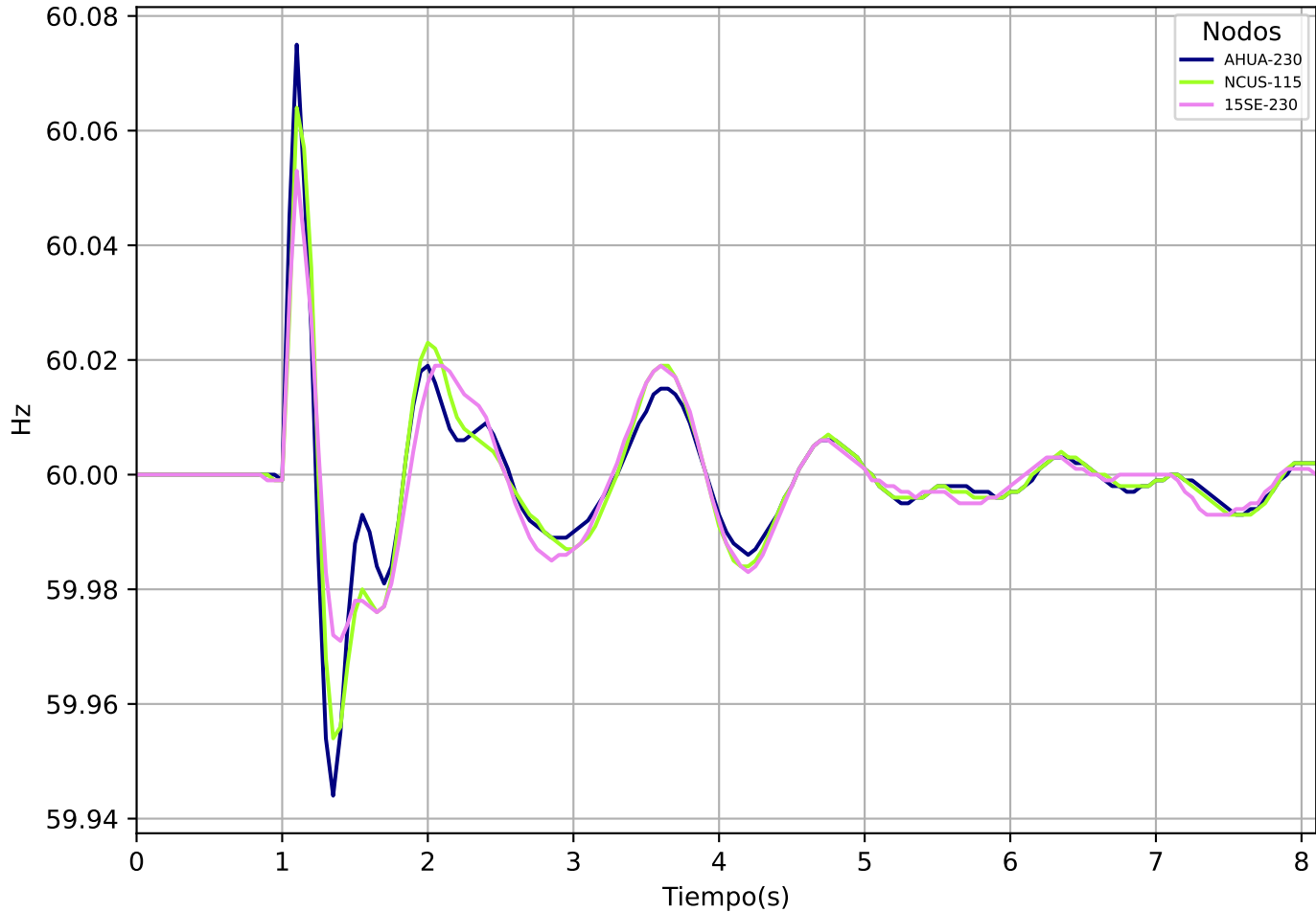
F39_SANA-OPIC: ANGULO ROTOR 1



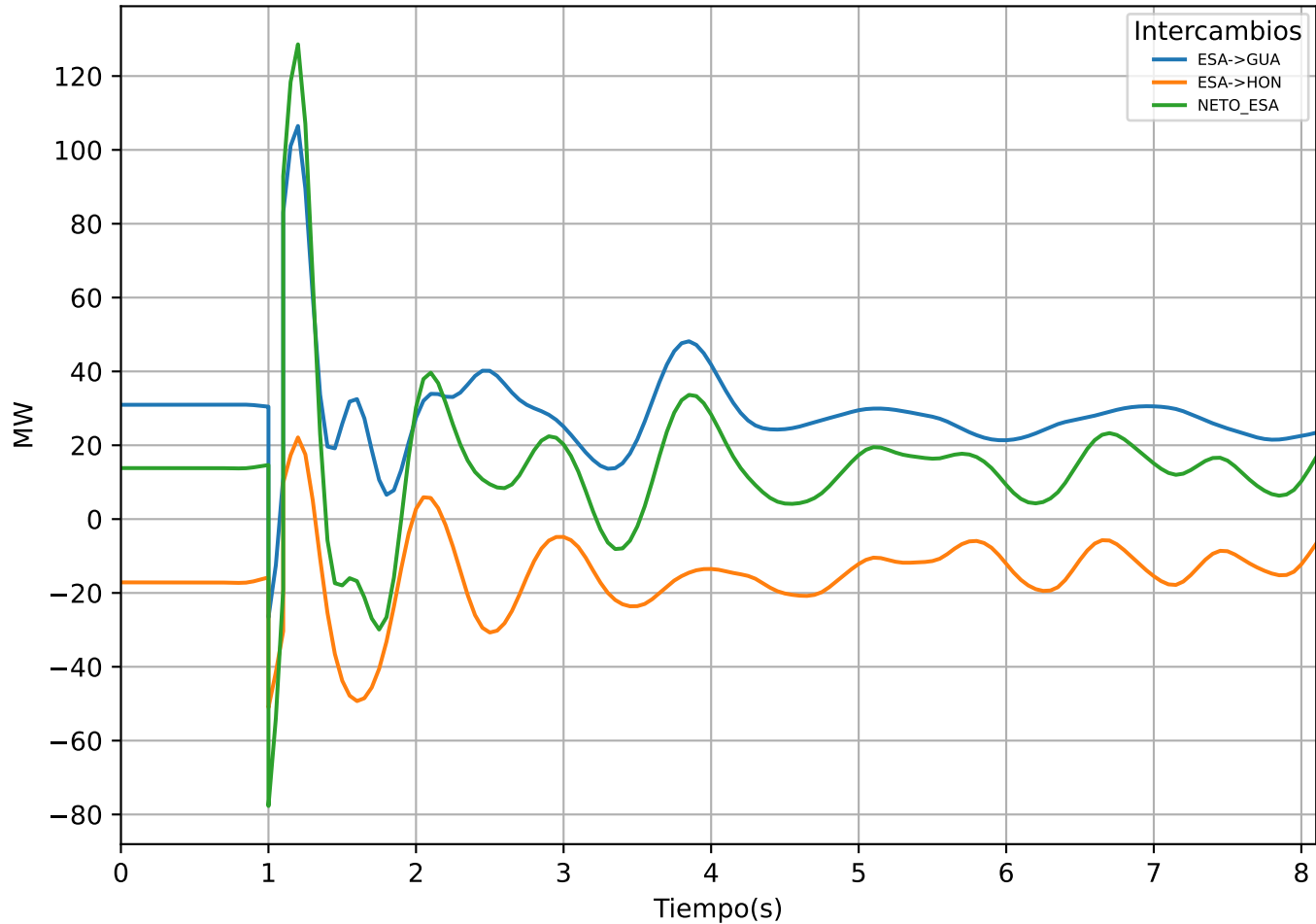
F39_SANA-OPIC: ANGULO ROTOR 2



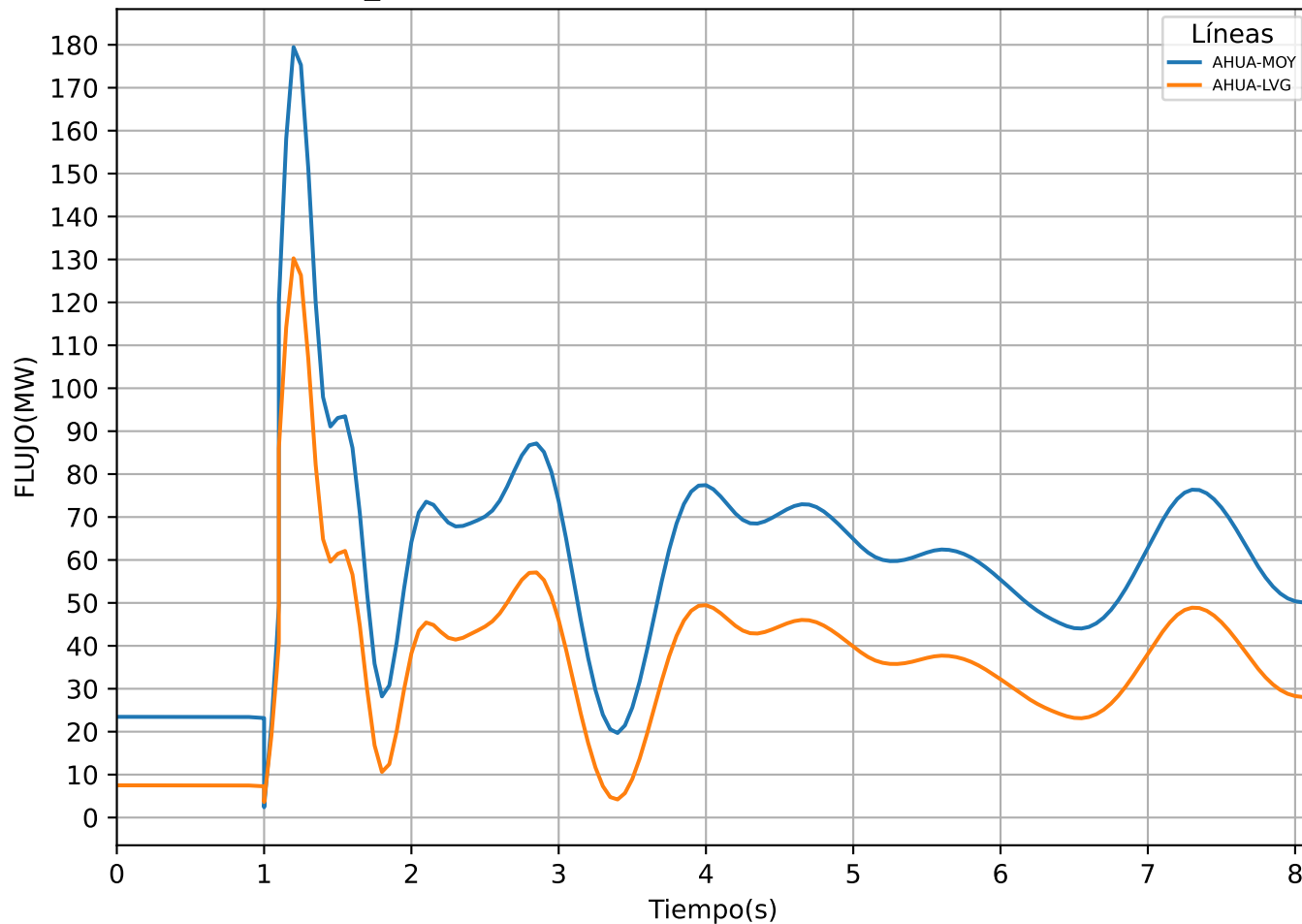
F39_SANA-OPIC: FRECUENCIA



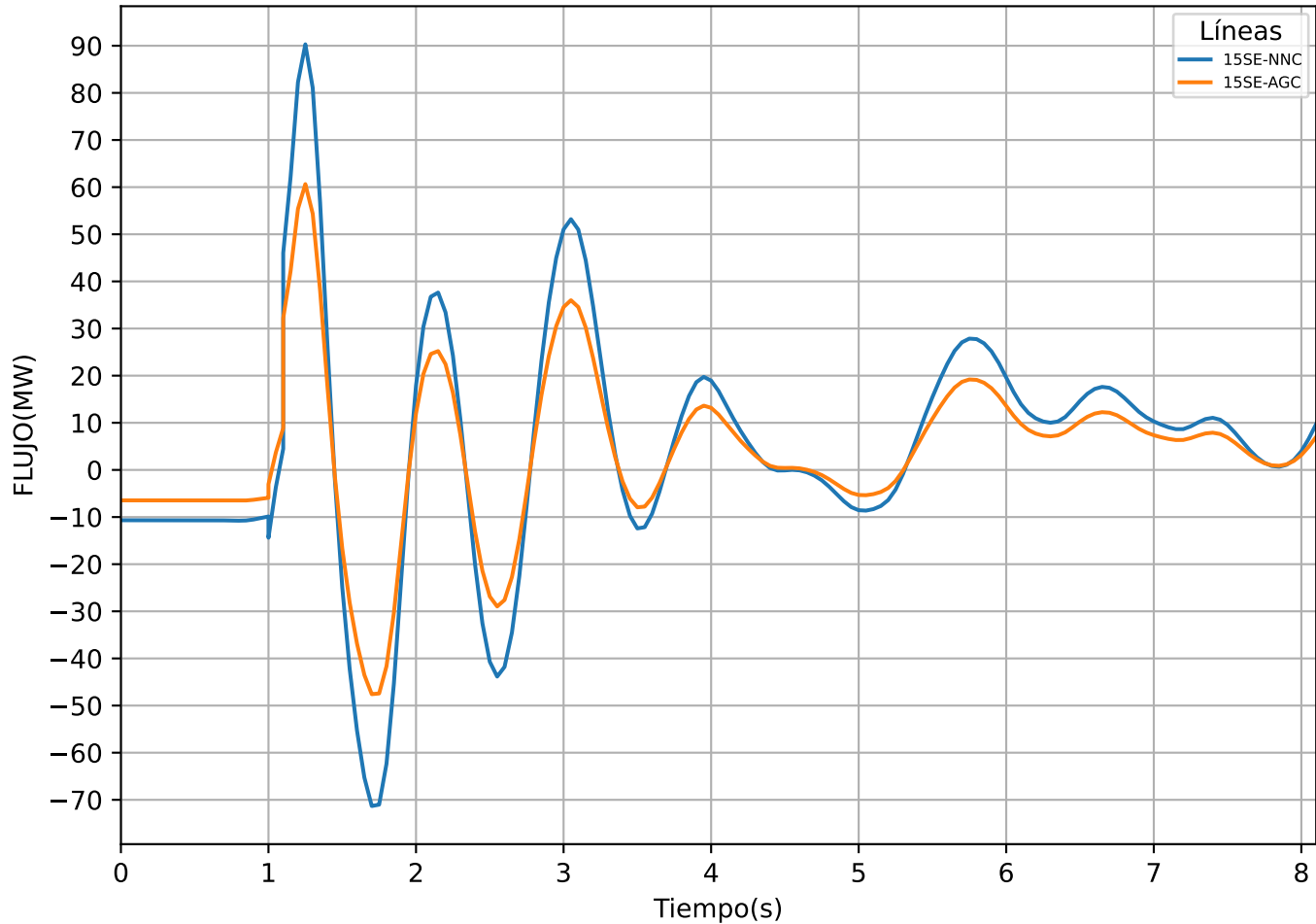
F39_SANA-OPIC: Intercambios ESA



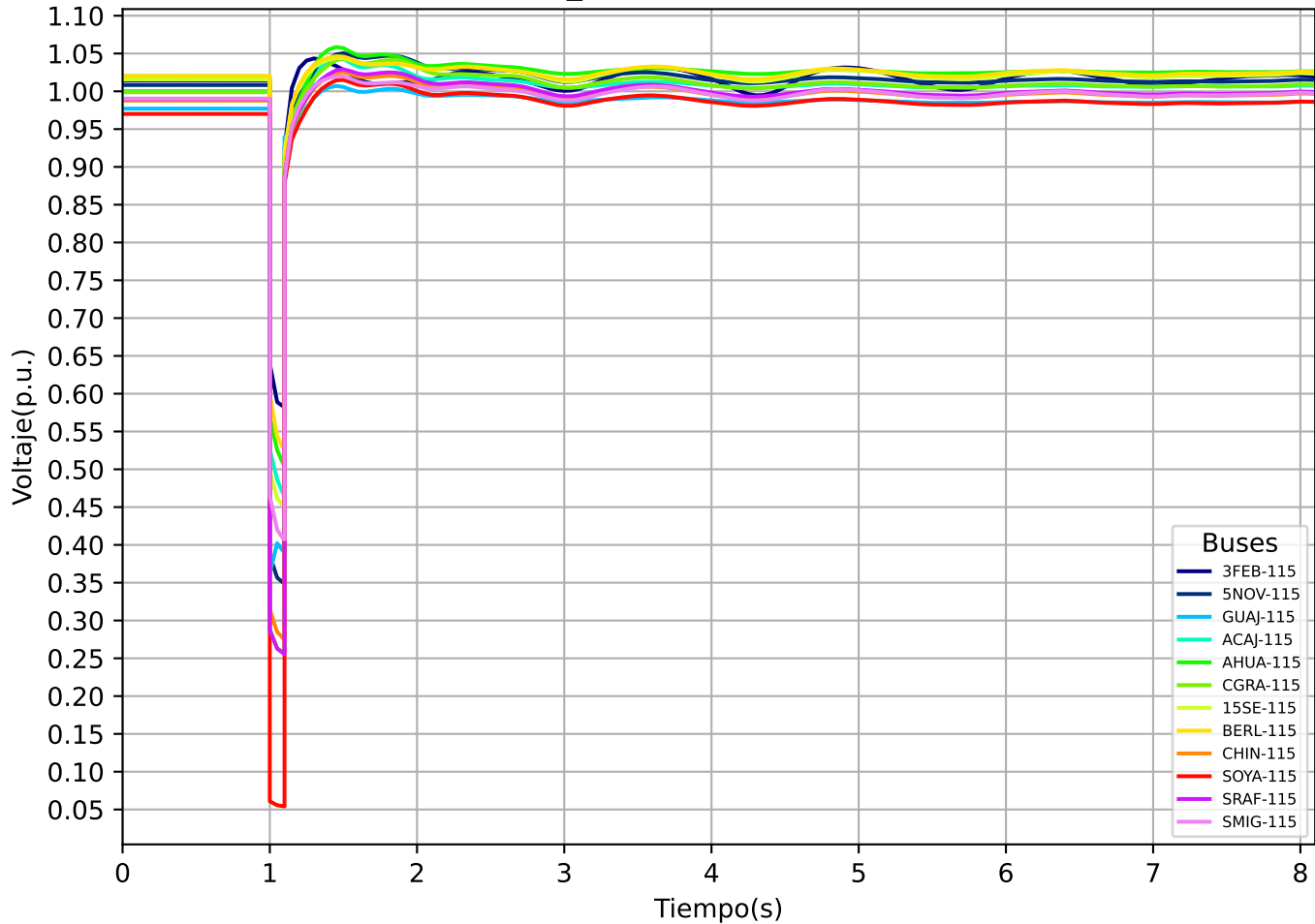
F40_NEJA-SMAR: FLUJO INTERCONEXIONES ESA-GUA



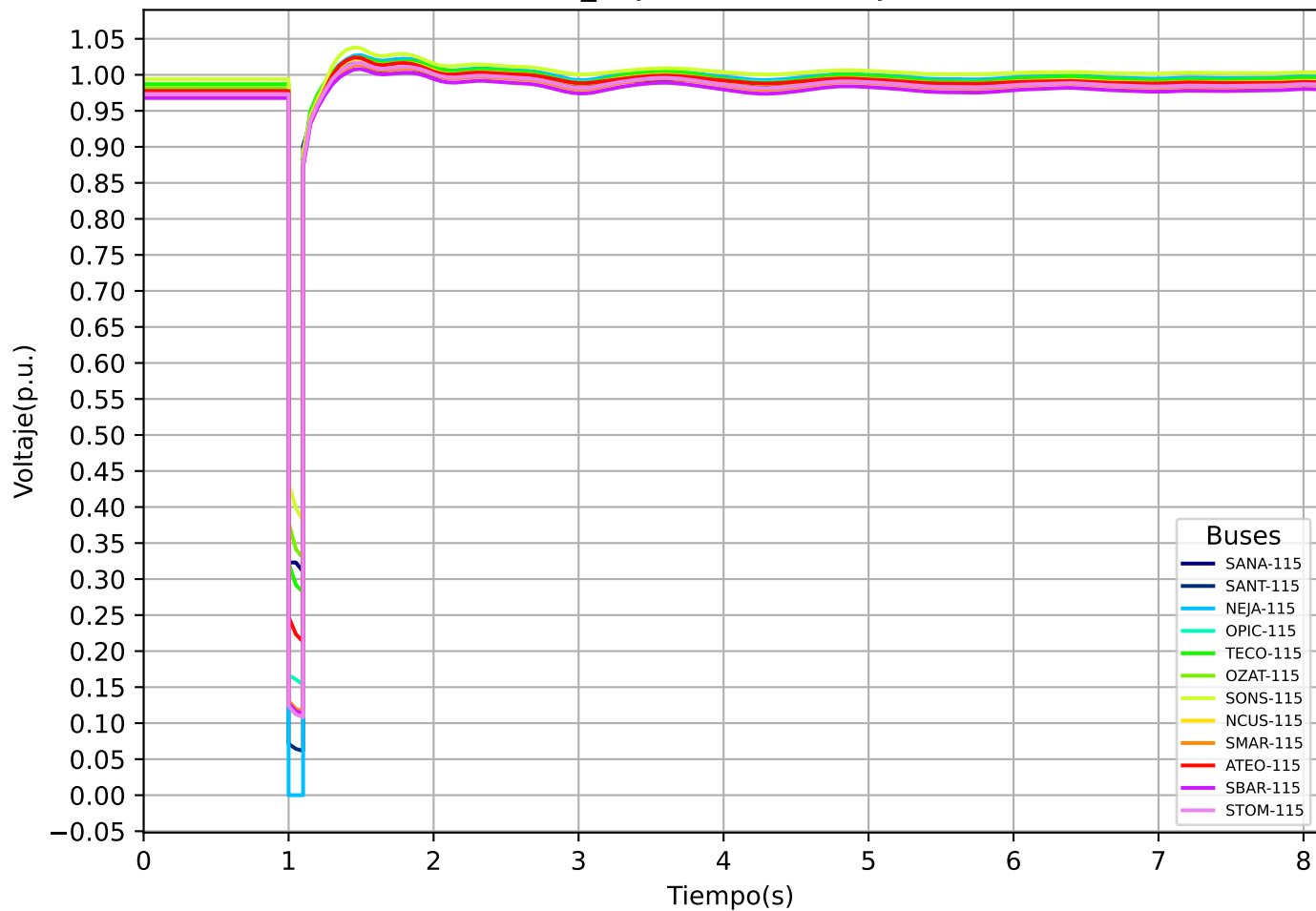
F40_NEJA-SMAR: FLUJO INTERCONEXIONES ESA-HON



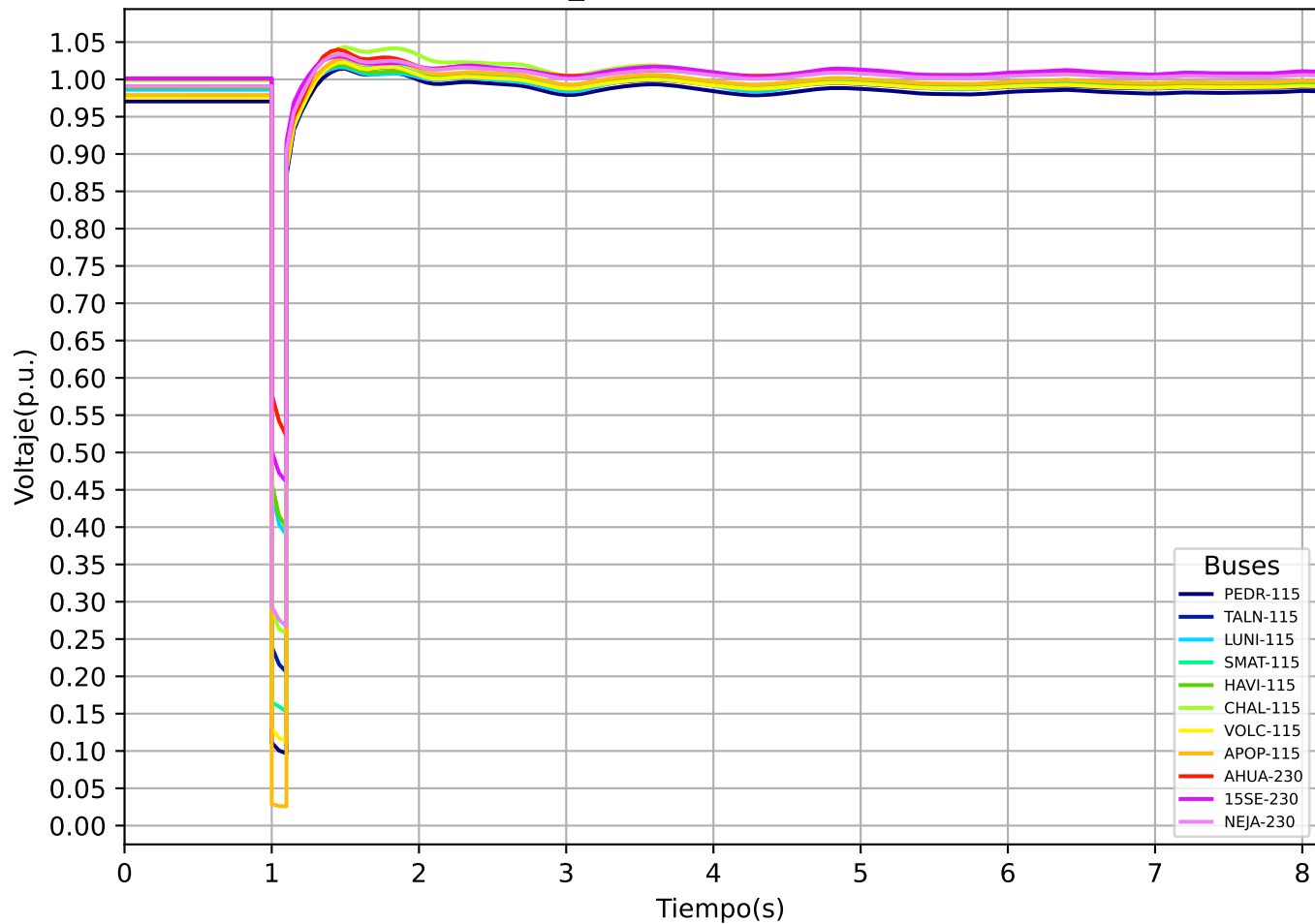
F40_NEJA-SMAR: VOLTAJE 1



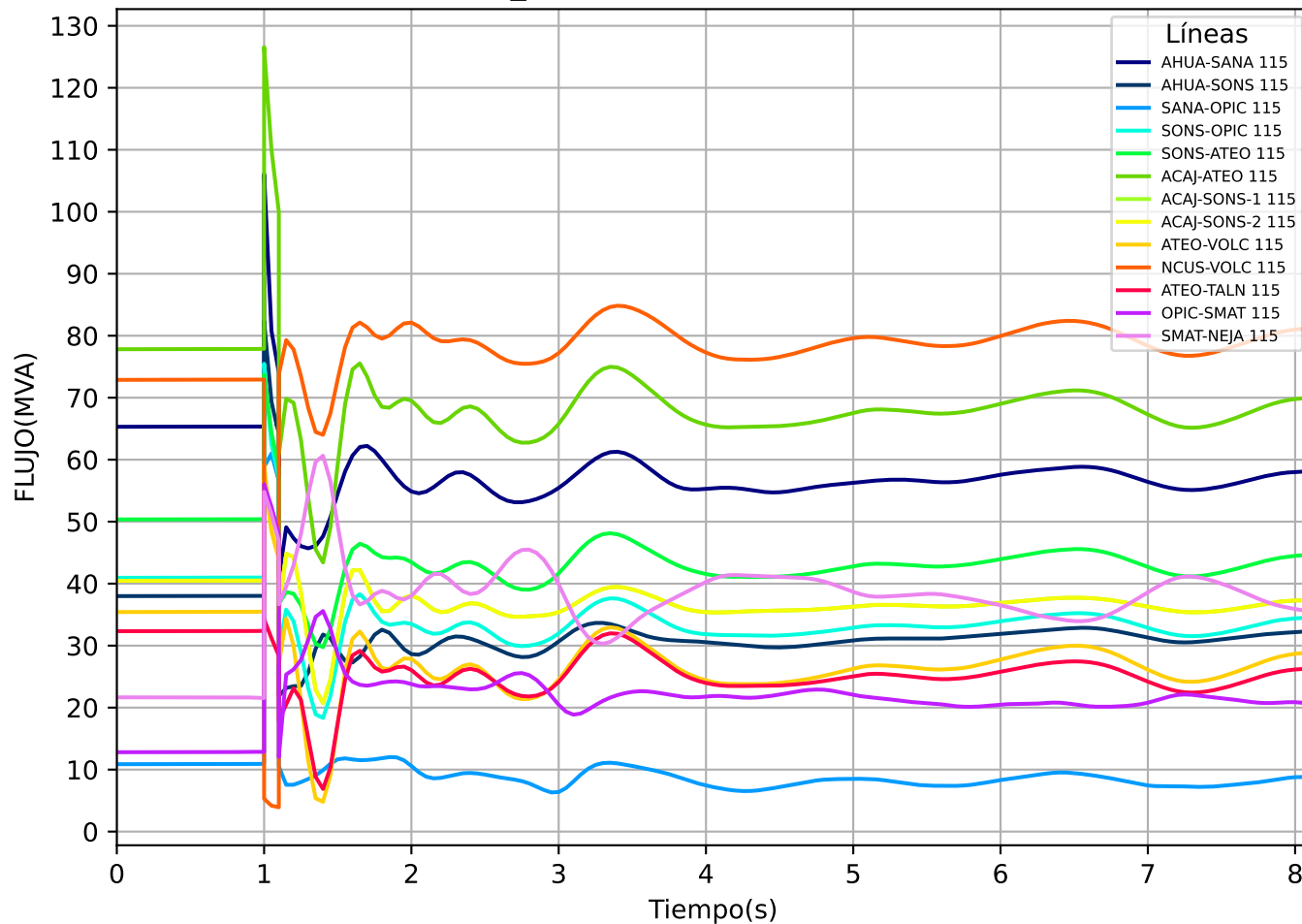
F40_NEJA-SMAR: VOLTAJE 2



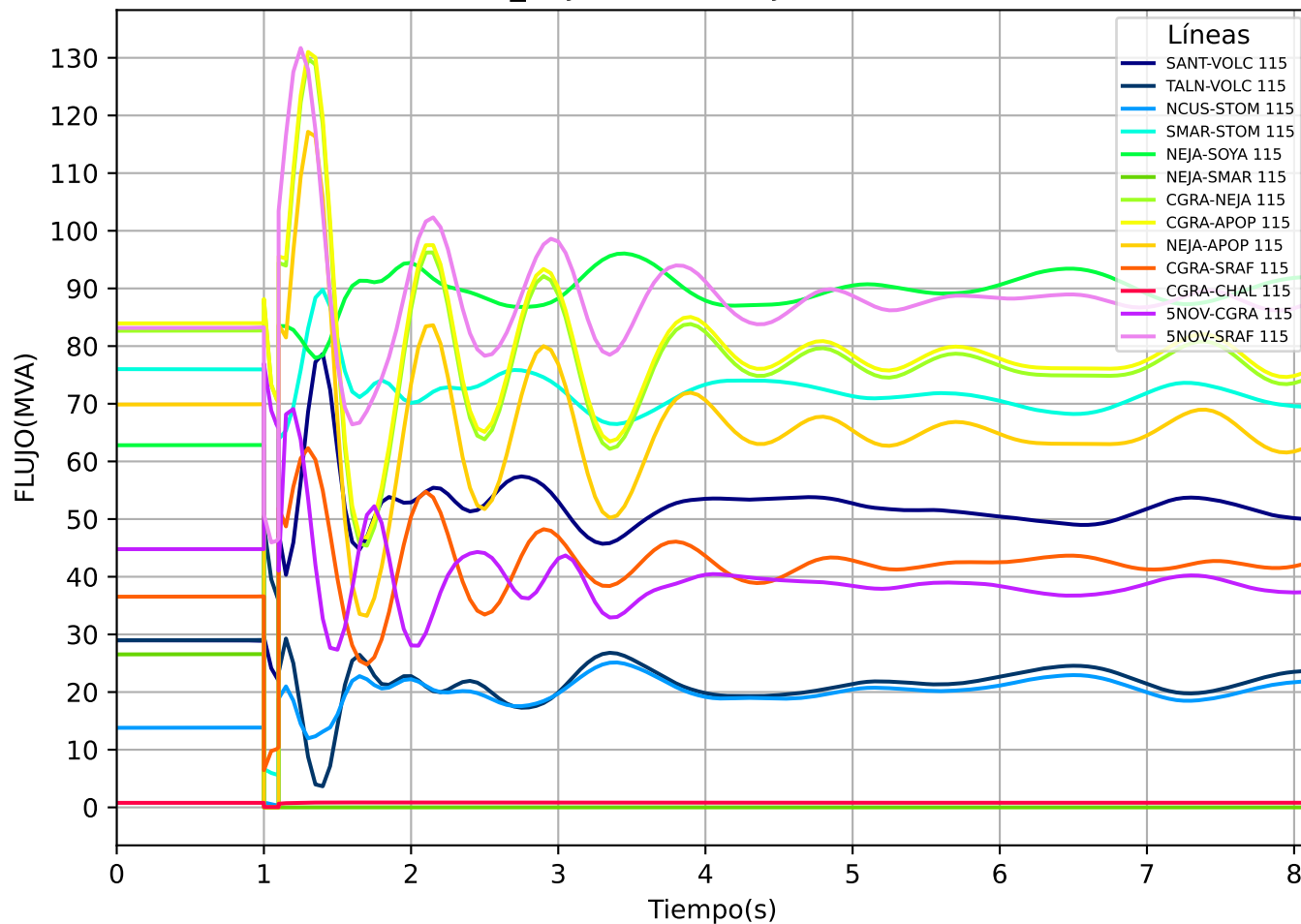
F40_NEJA-SMAR: VOLTAJE 3



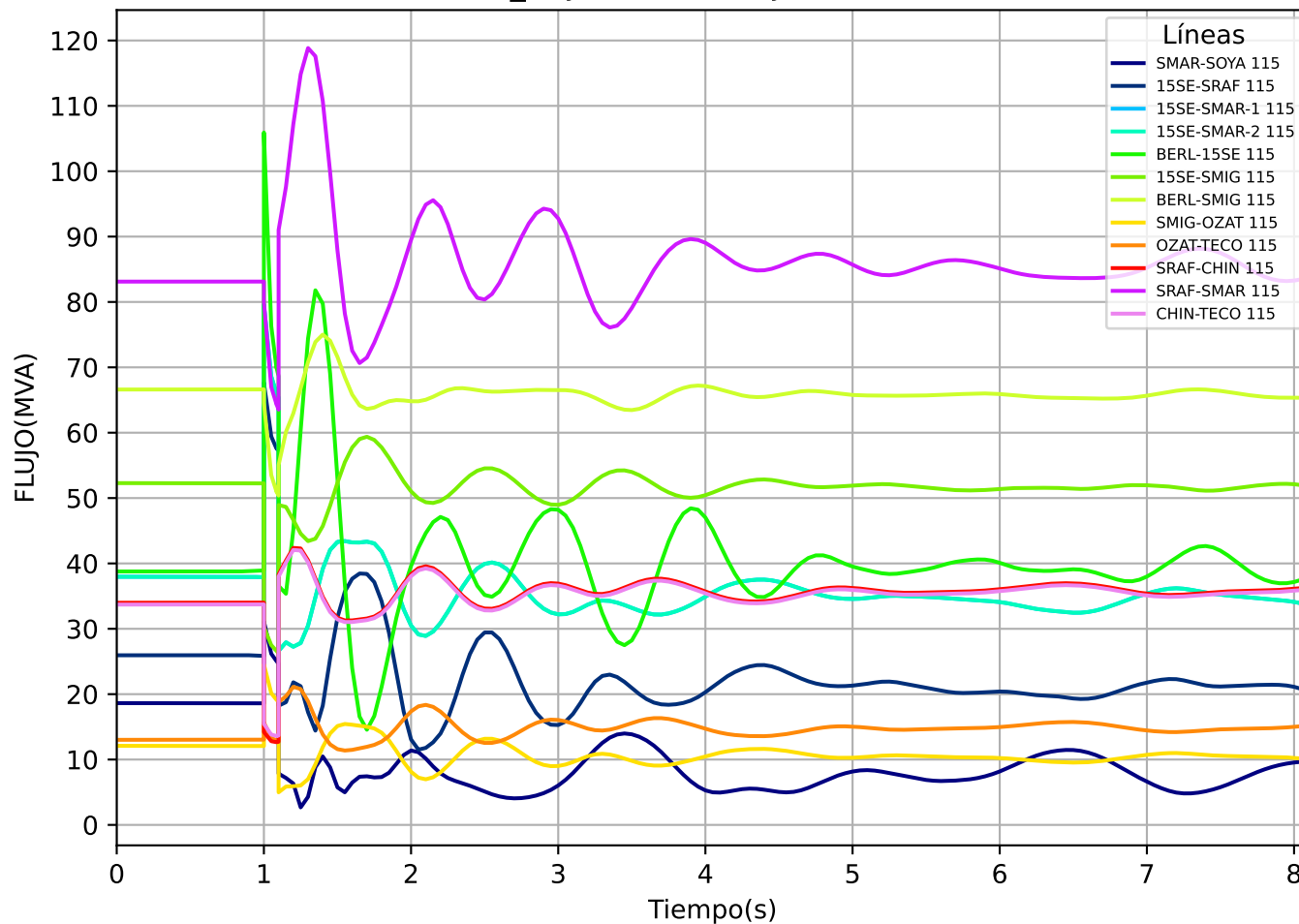
F40_NEJA-SMAR: FLUJO L-115kV 1



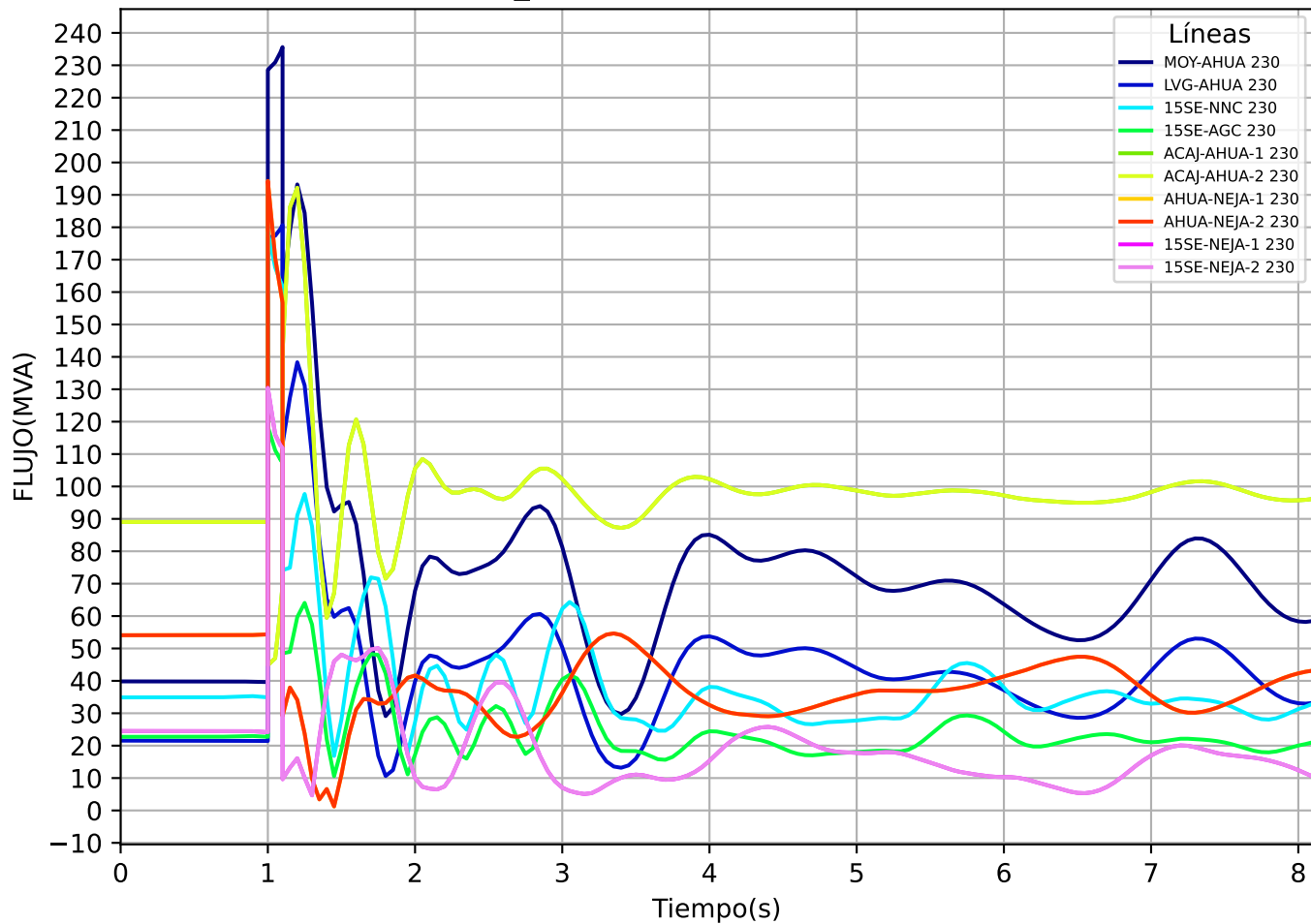
F40_NEJA-SMAR: FLUJO L-115kV 2



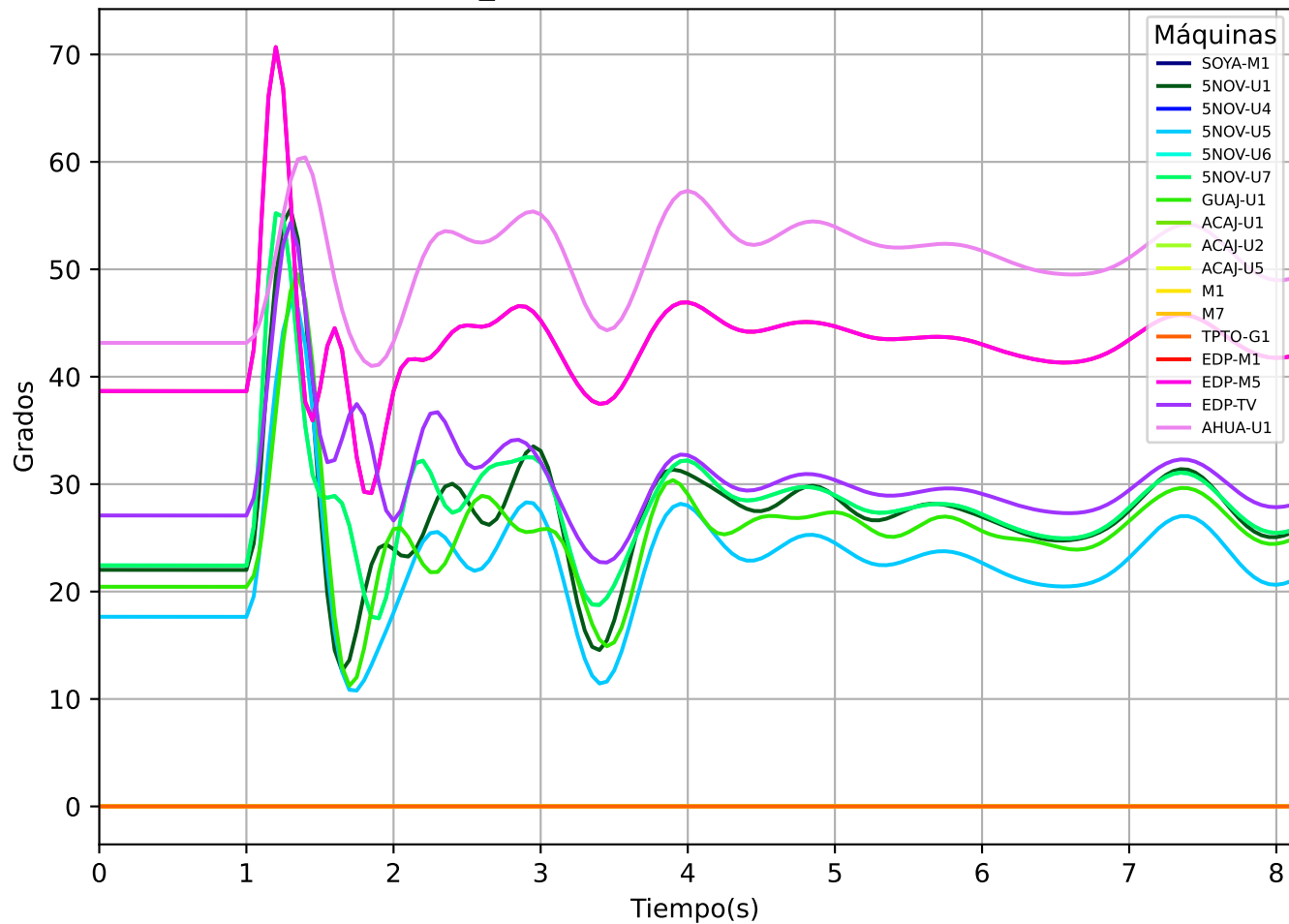
F40_NEJA-SMAR: FLUJO L-115kV 3



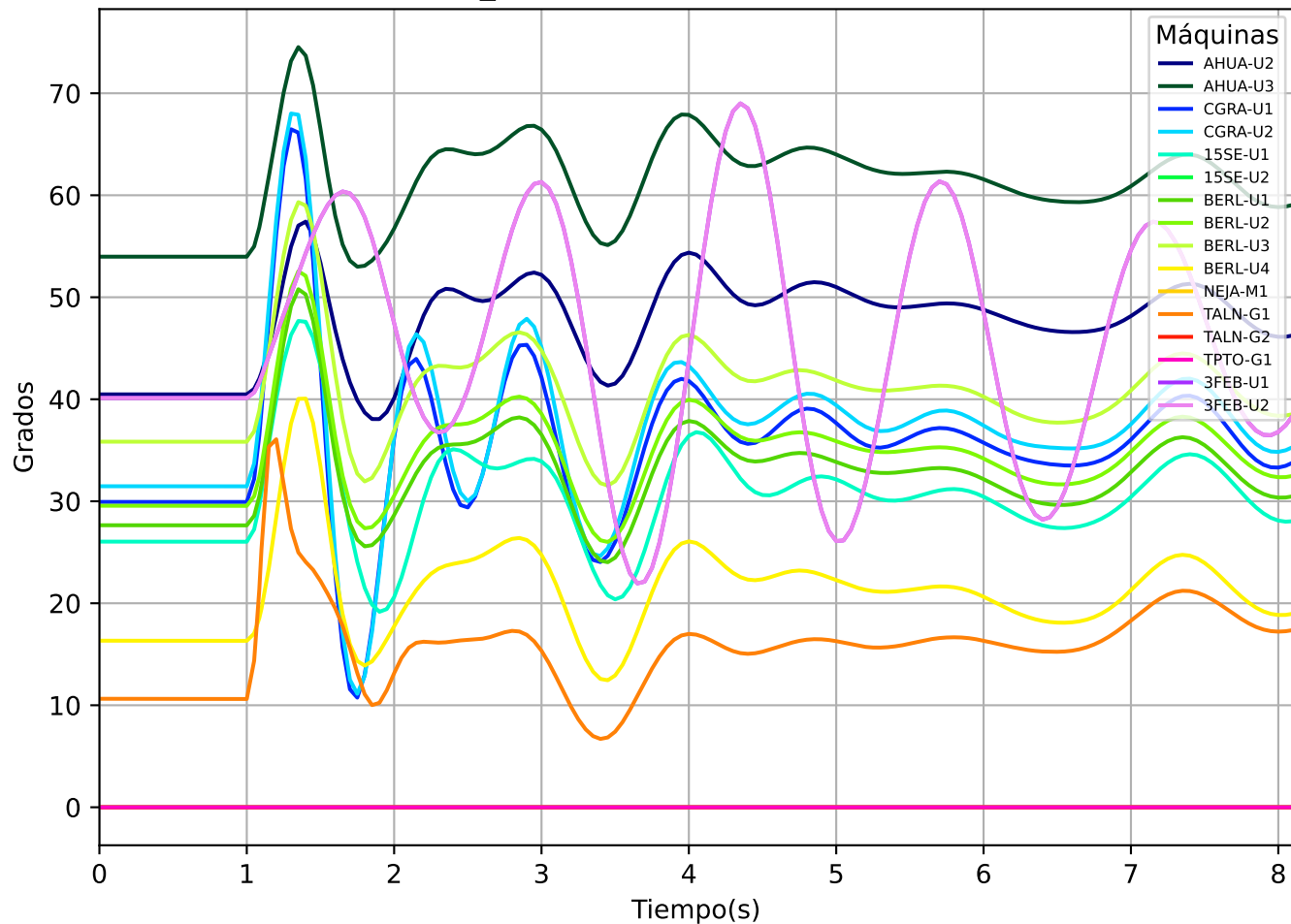
F40_NEJA-SMAR: FLUJO L-230kV 4



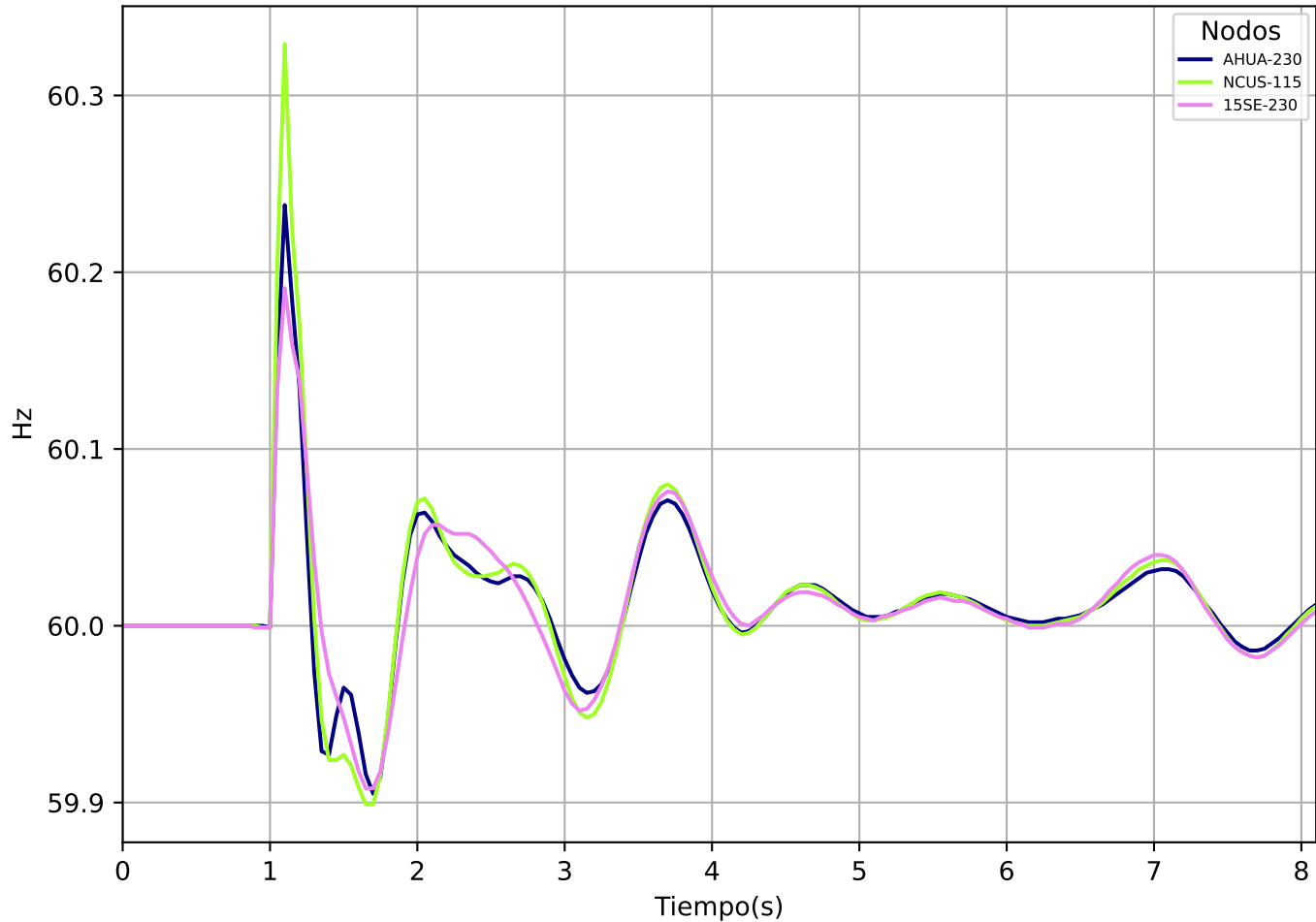
F40_NEJA-SMAR: ANGULO ROTOR 1



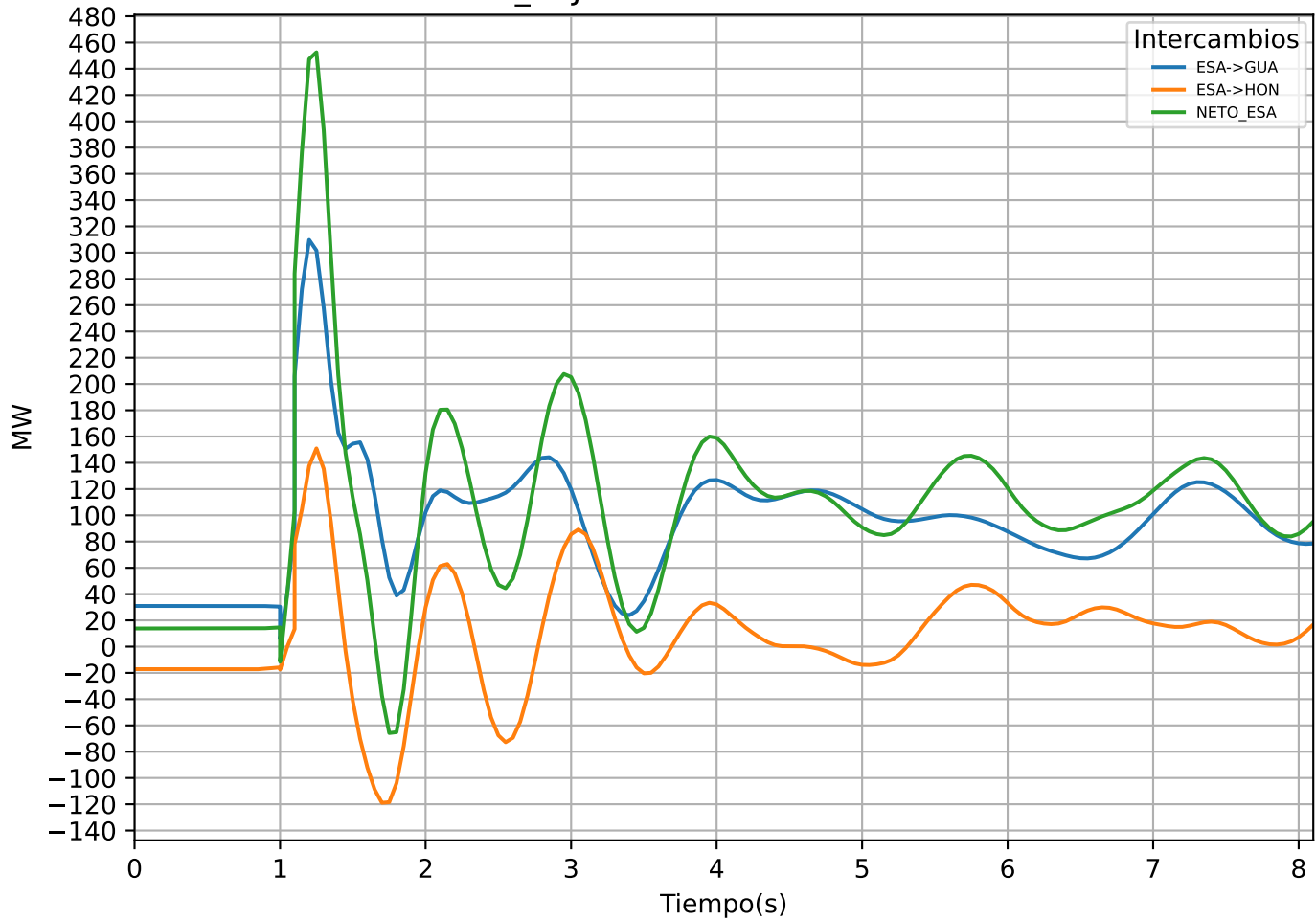
F40_NEJA-SMAR: ANGULO ROTOR 2



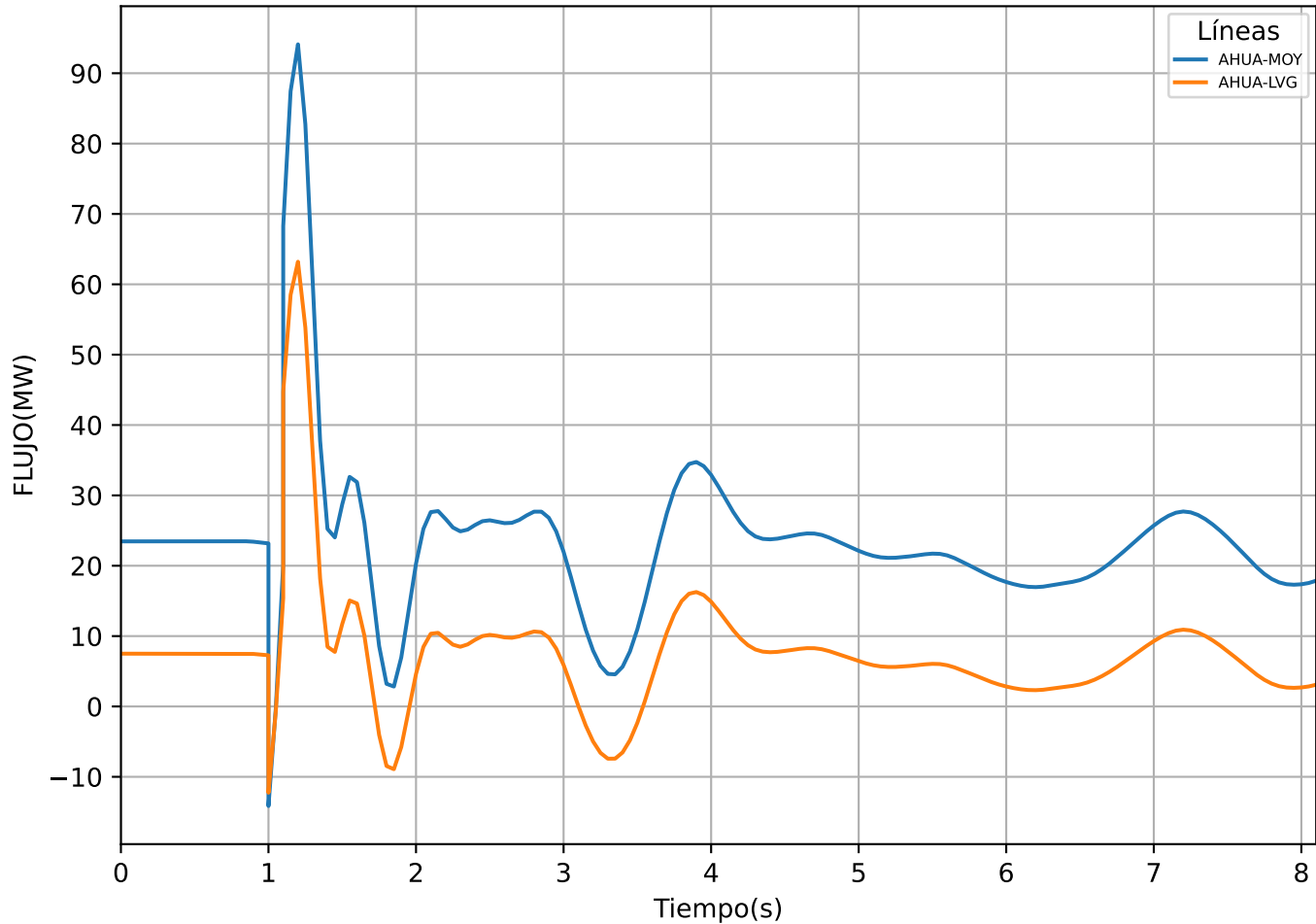
F40_NEJA-SMAR: FRECUENCIA



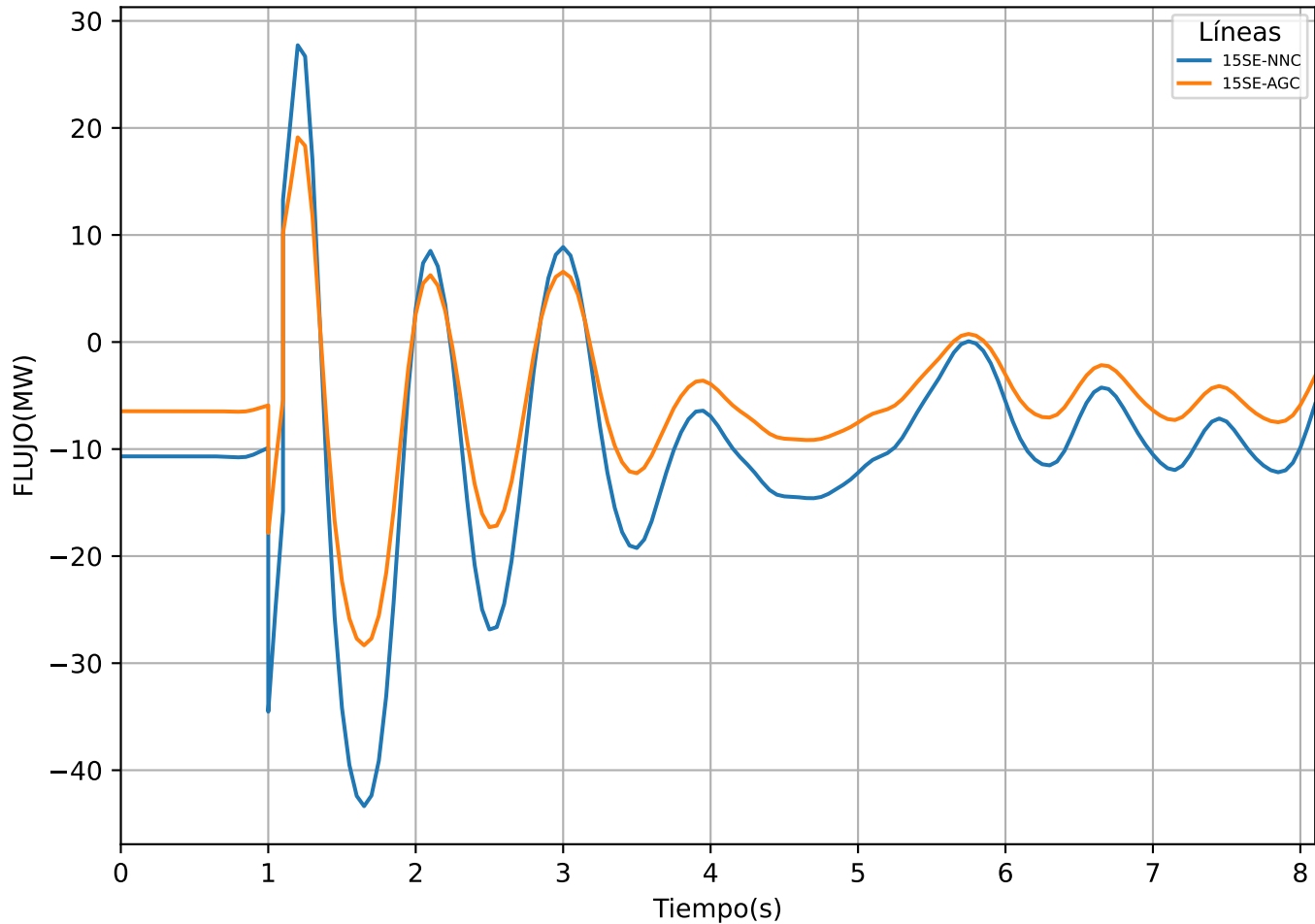
F40_NEJA-SMAR: Intercambios ESA



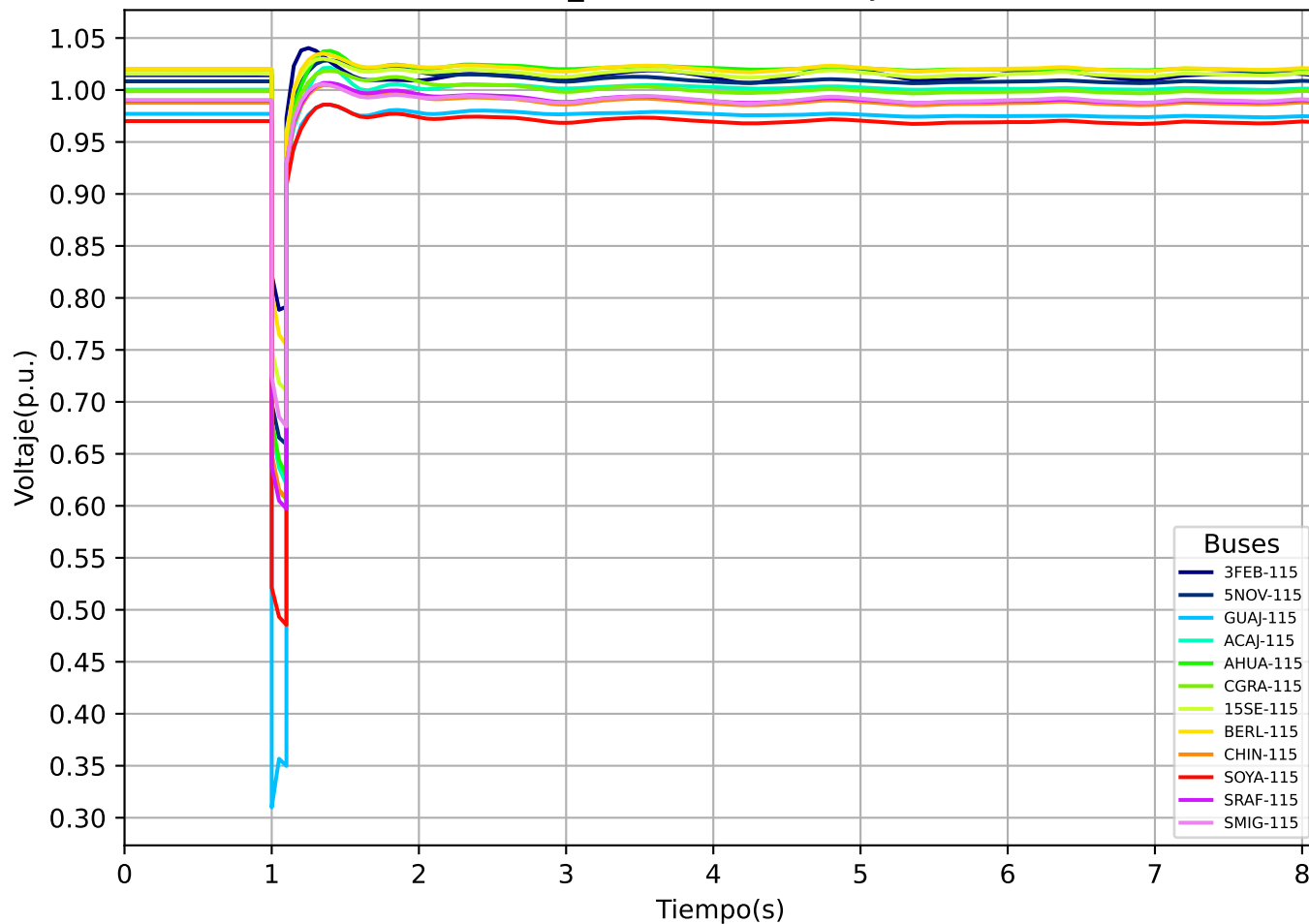
F41_OPIC-SONS: FLUJO INTERCONEXIONES ESA-GUA



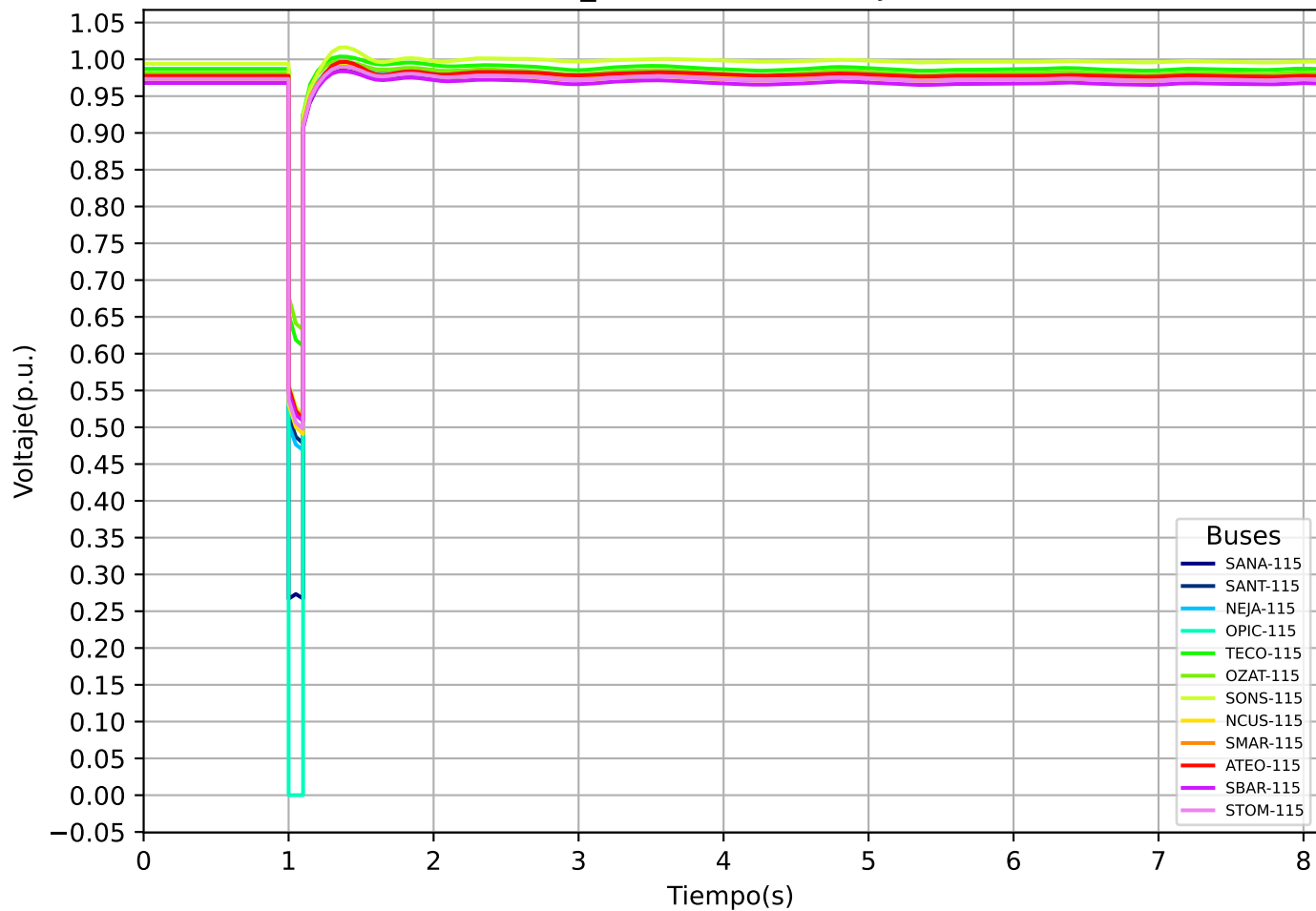
F41_OPIC-SONS: FLUJO INTERCONEXIONES ESA-HON



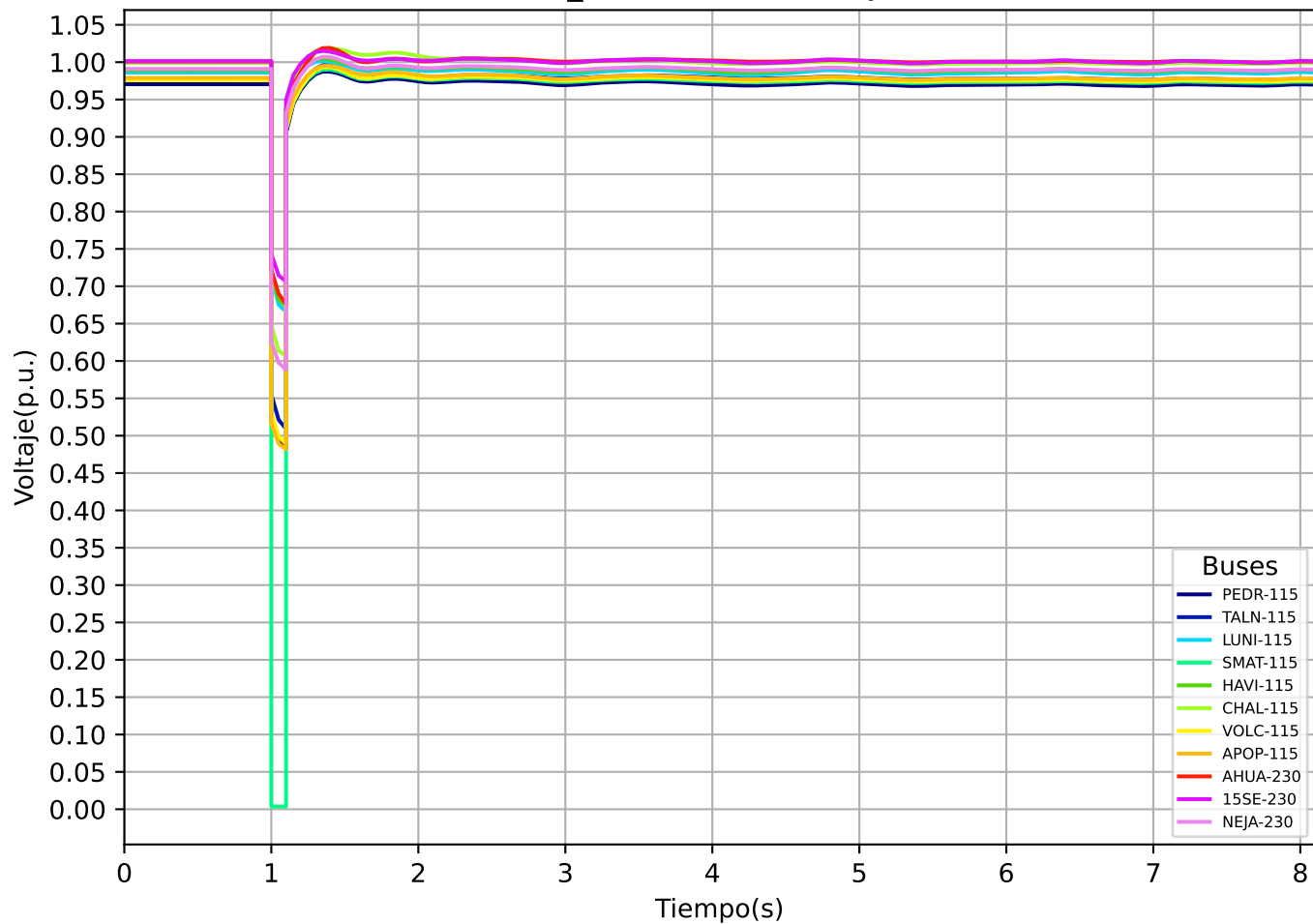
F41_OPIC-SONS: VOLTAJE 1



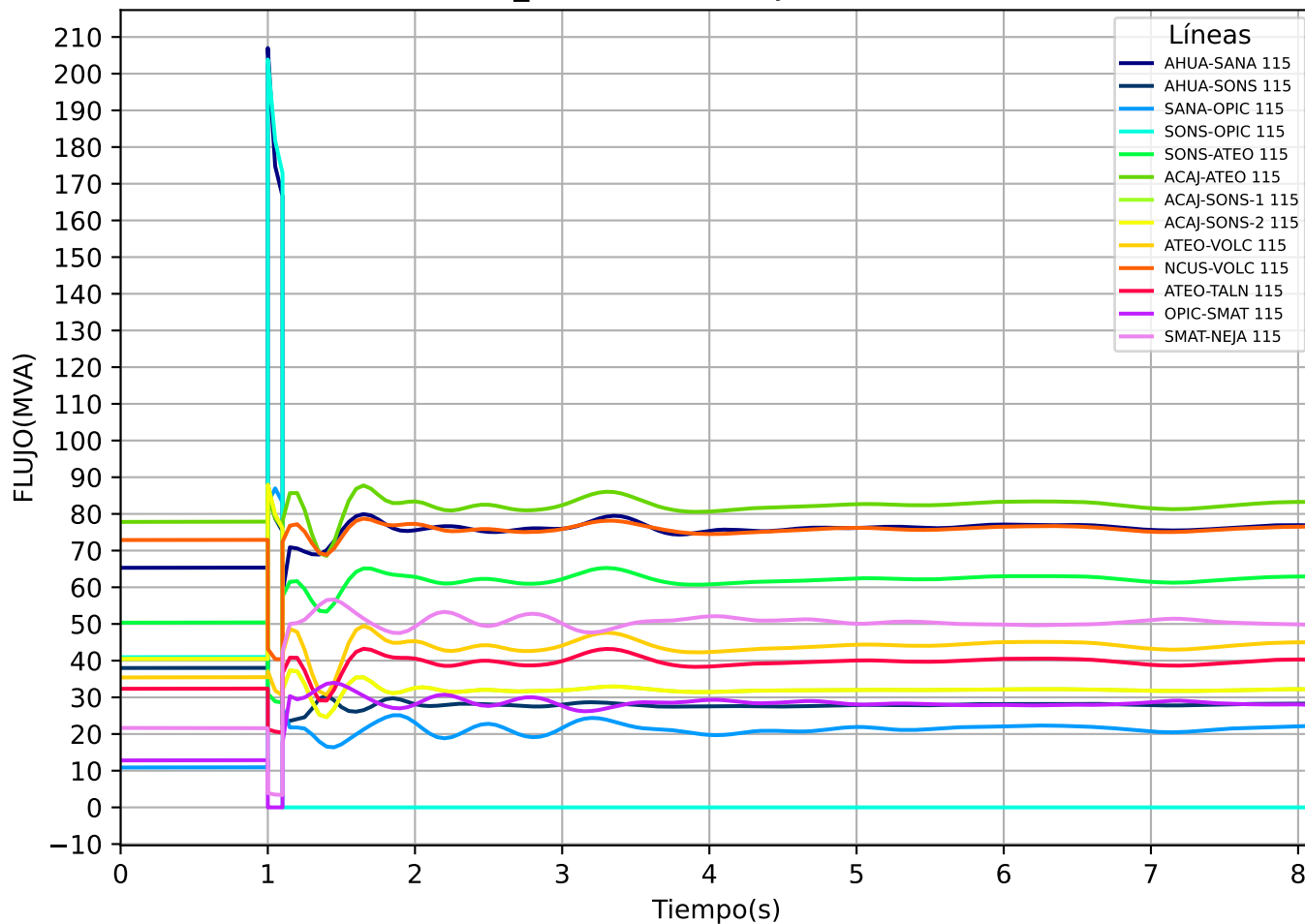
F41_OPIC-SONS: VOLTAJE 2



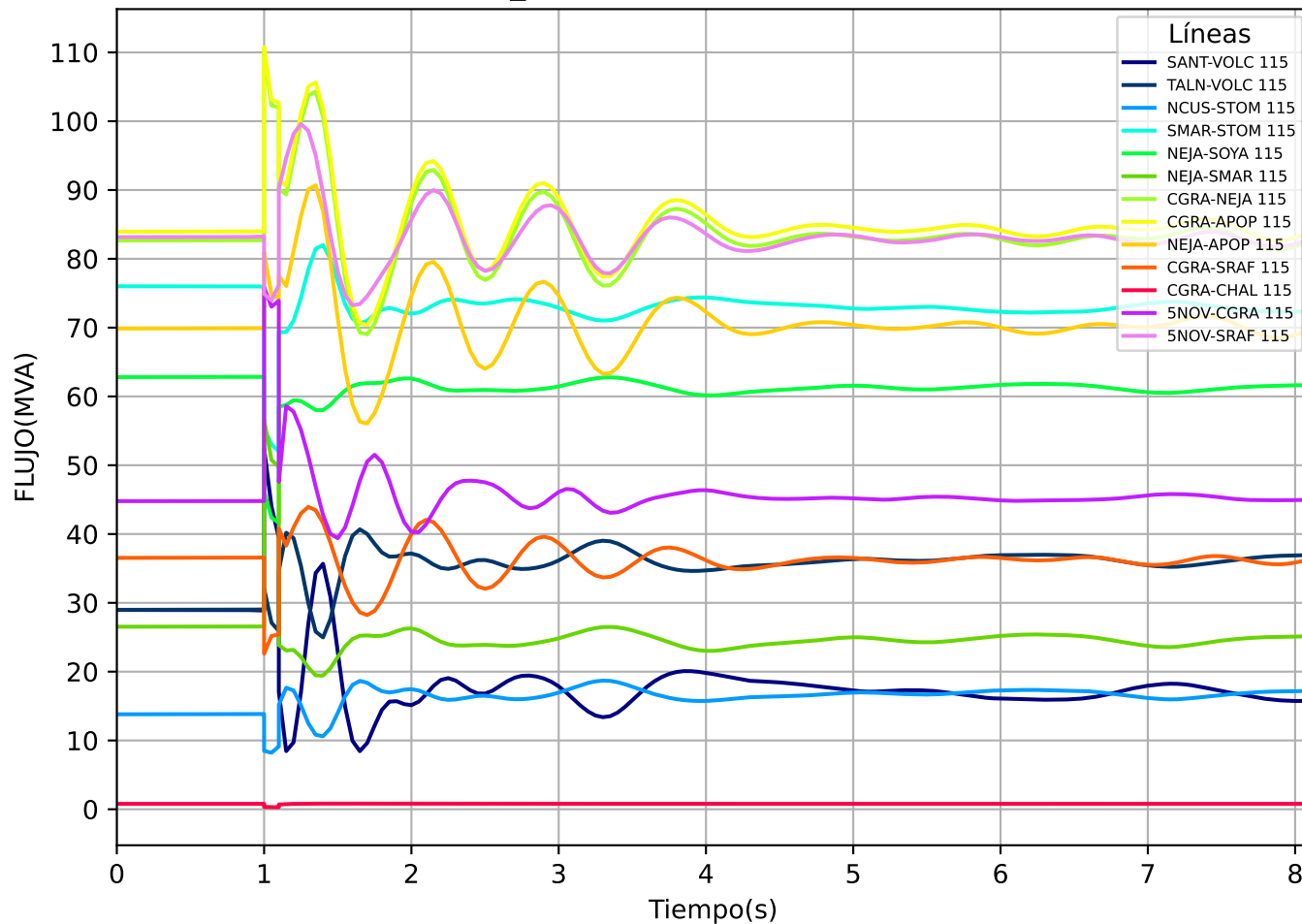
F41_OPIC-SONS: VOLTAJE 3



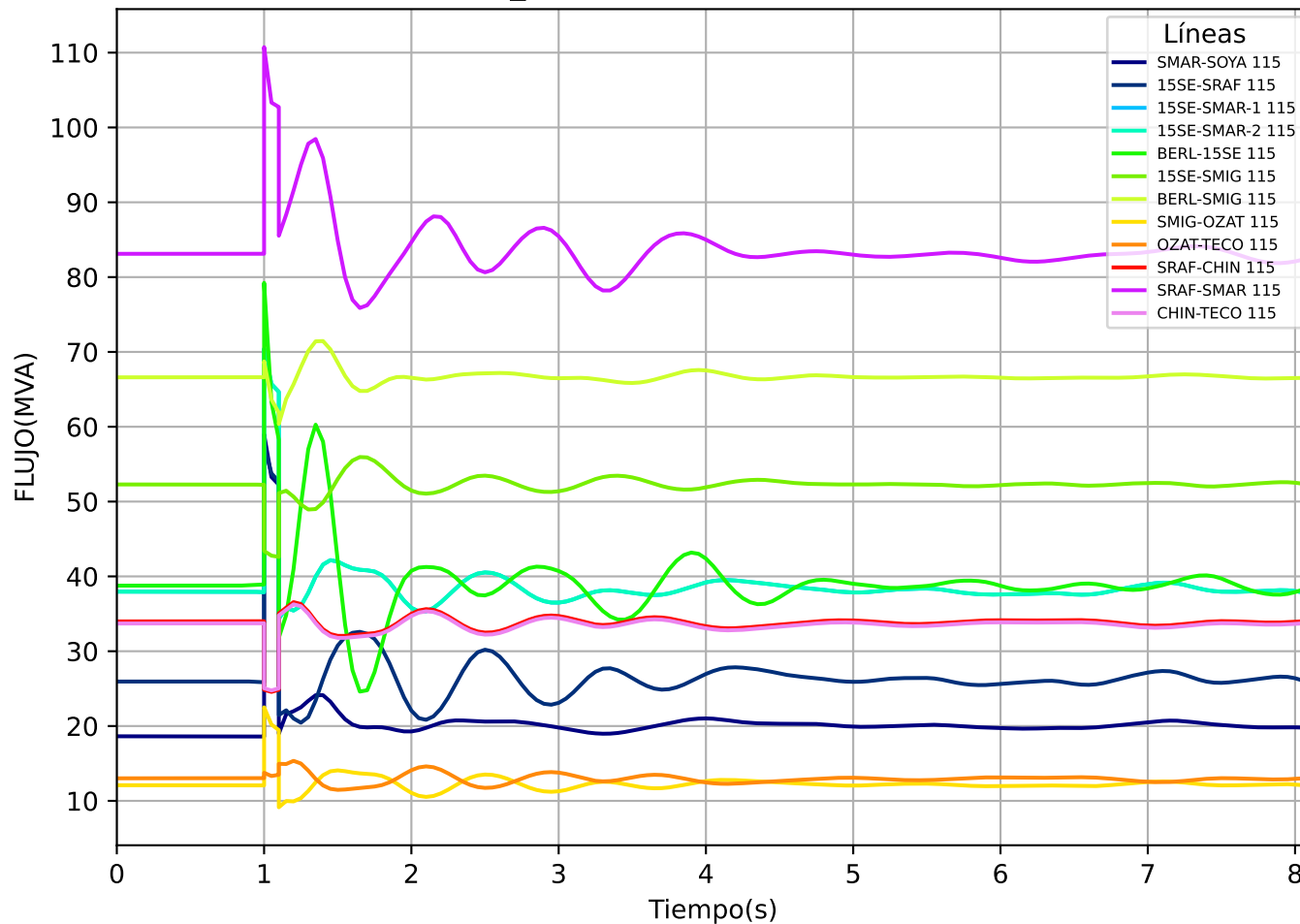
F41_OPIC-SONS: FLUJO L-115kV 1



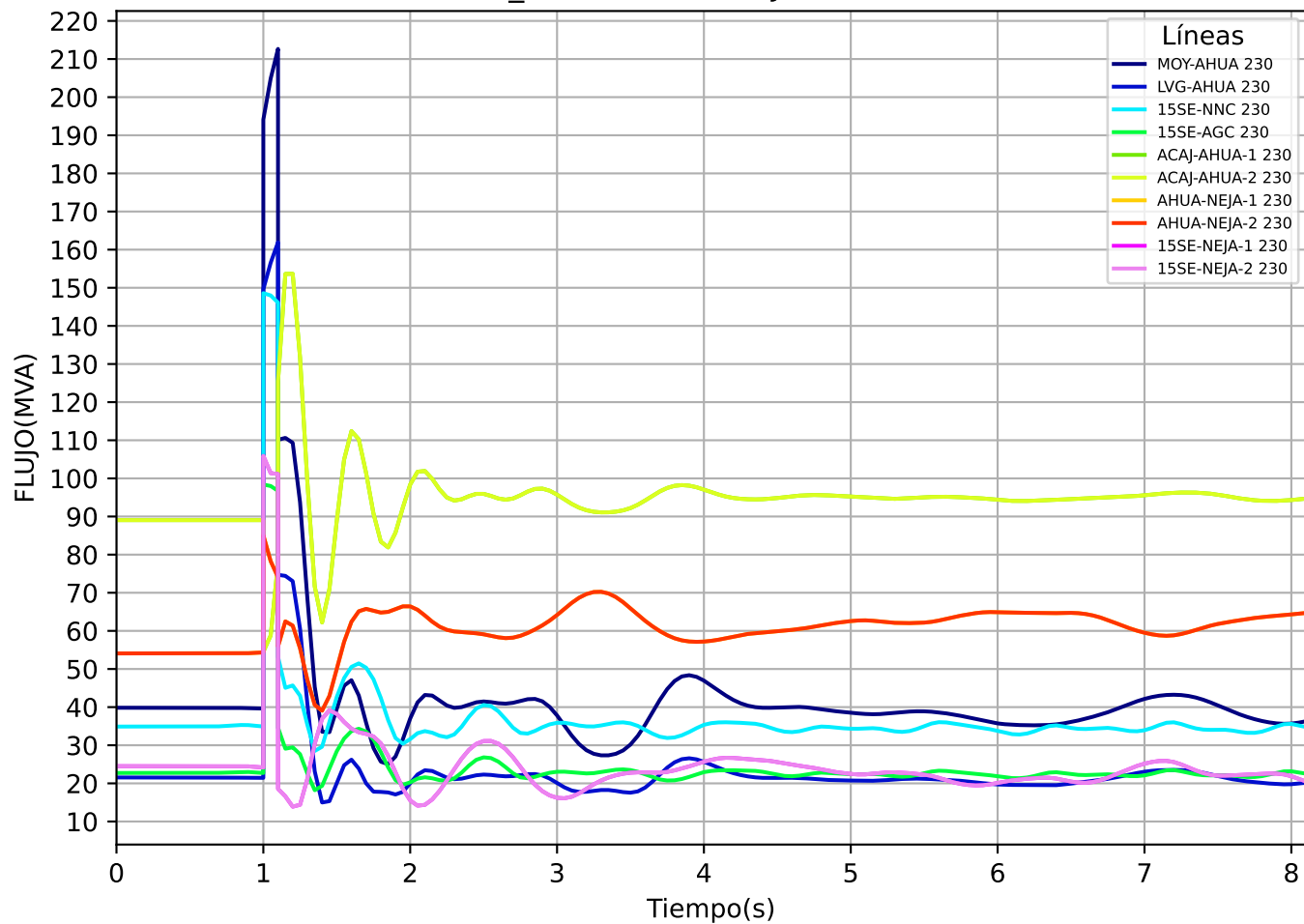
F41_OPIC-SONS: FLUJO L-115kV 2



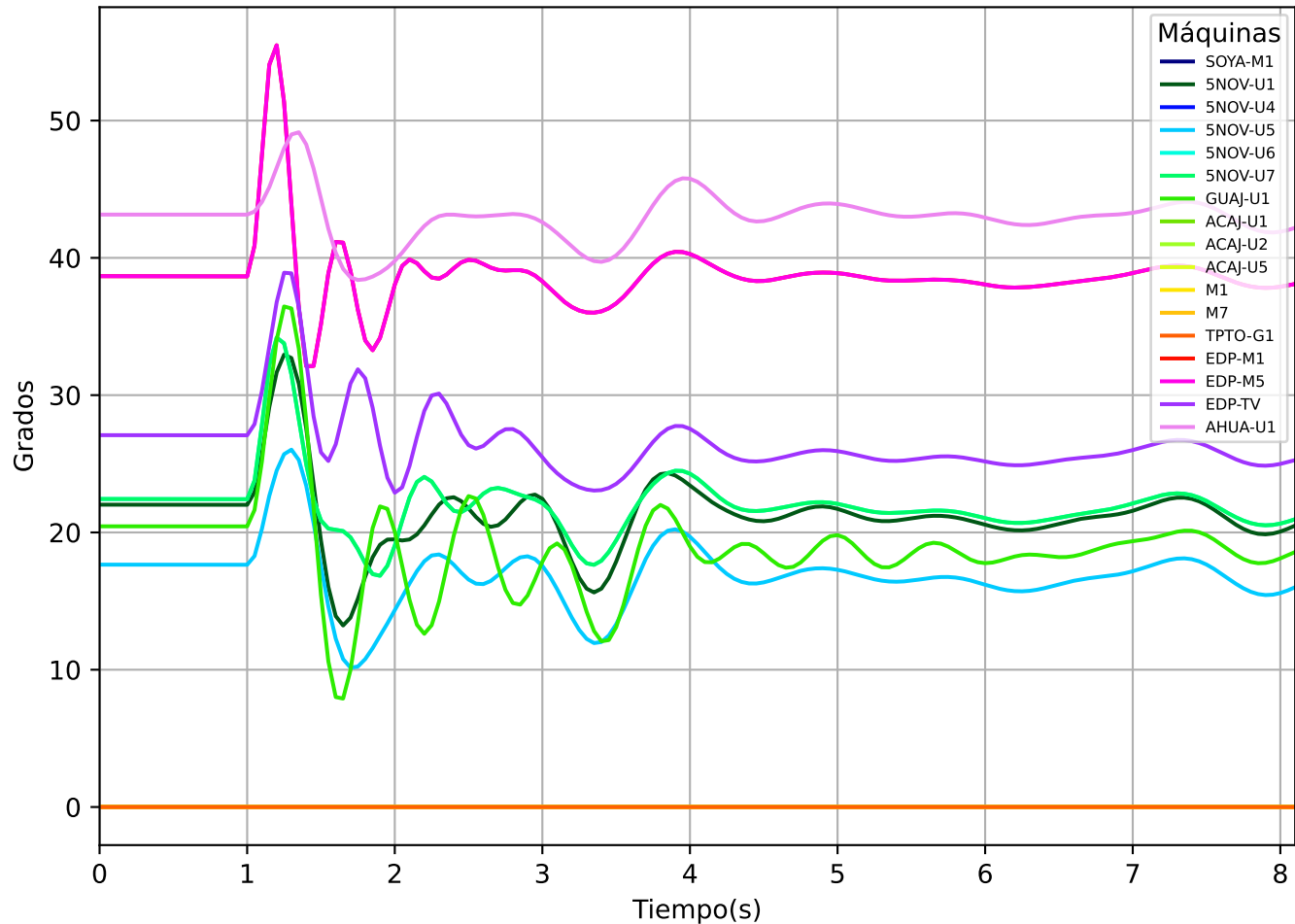
F41_OPIC-SONS: FLUJO L-115kV 3



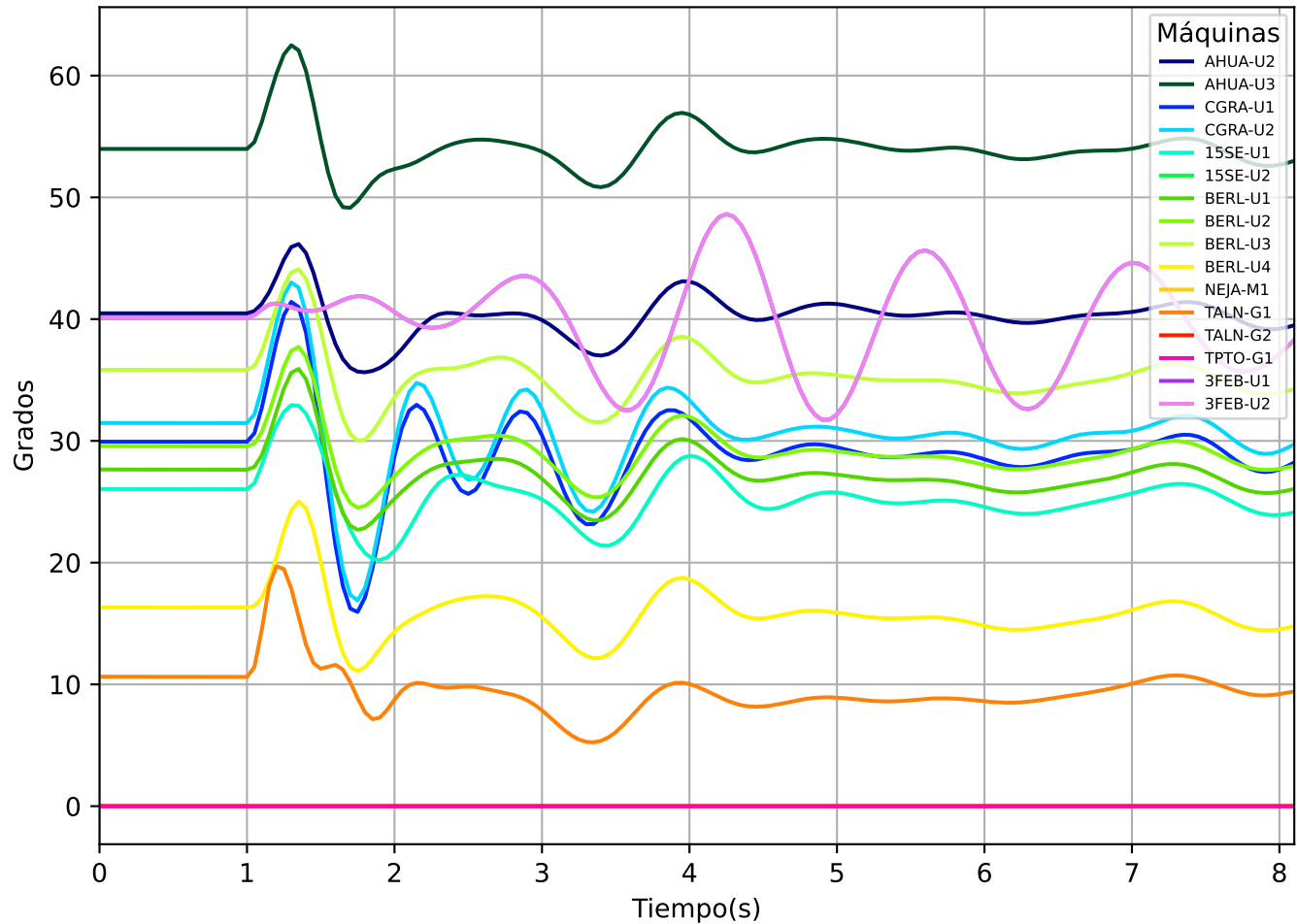
F41_OPIC-SONS: FLUJO L-230kV 4



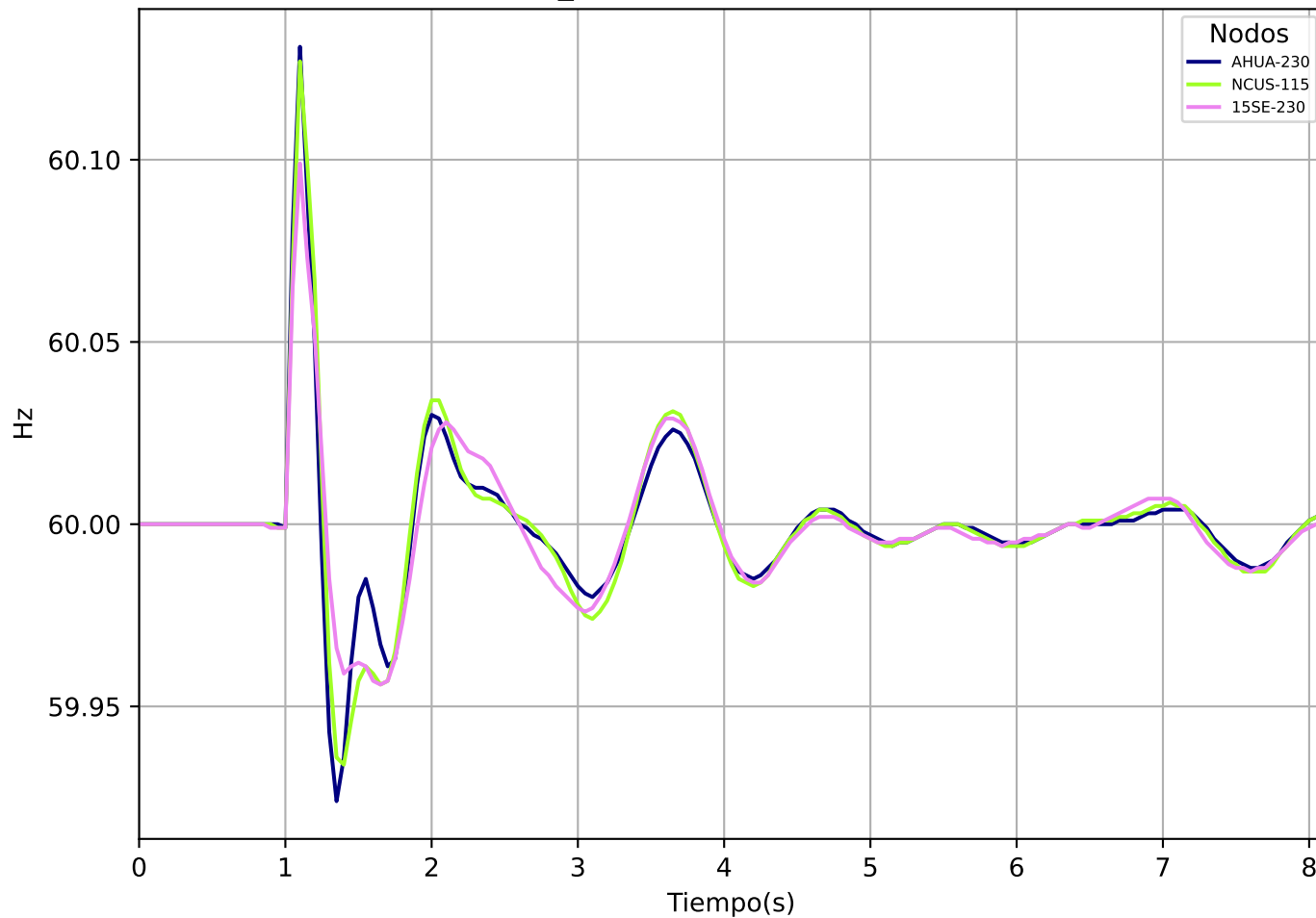
F41_OPIC-SONS: ANGULO ROTOR 1



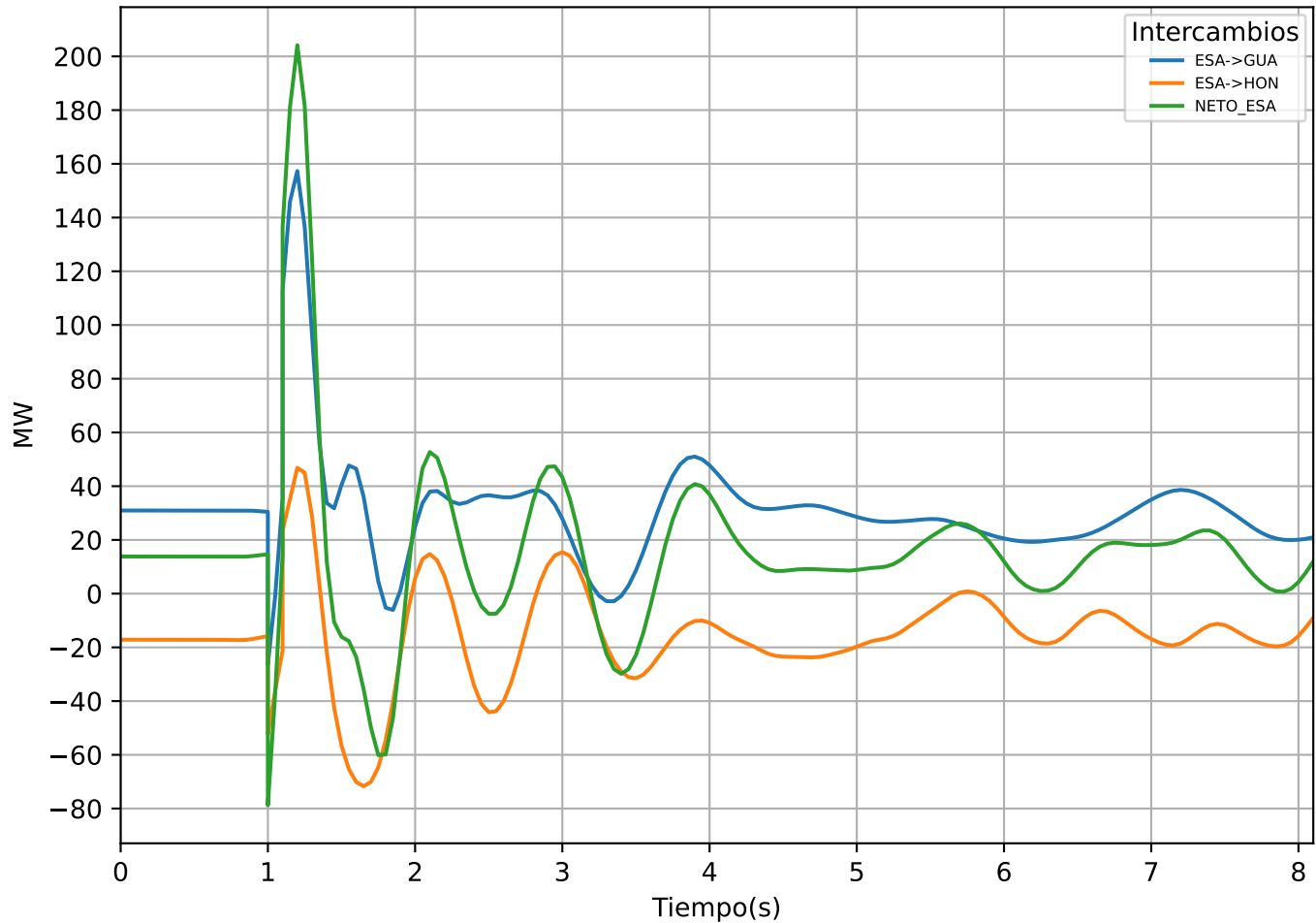
F41_OPIC-SONS: ANGULO ROTOR 2



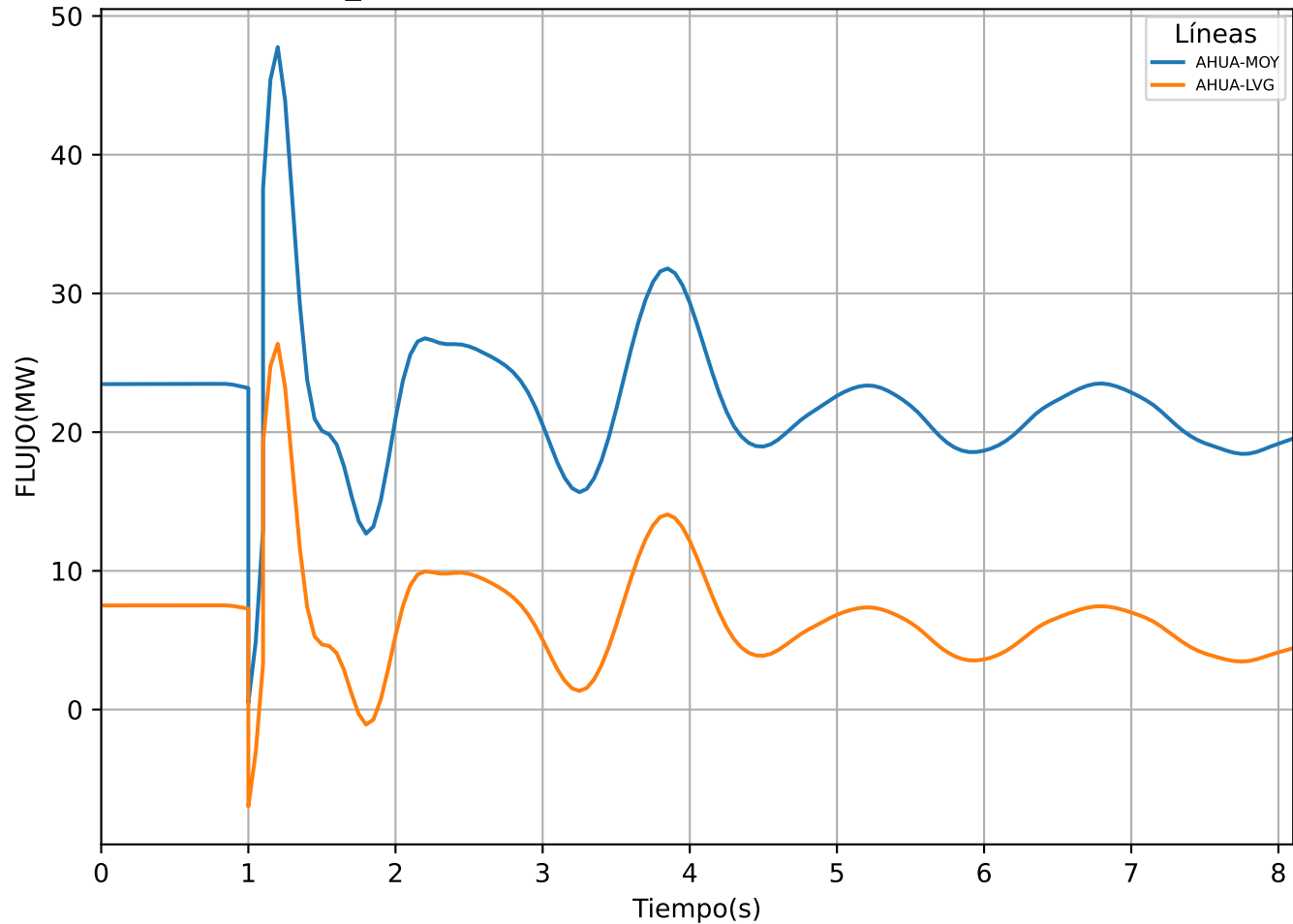
F41_OPIC-SONS: FRECUENCIA



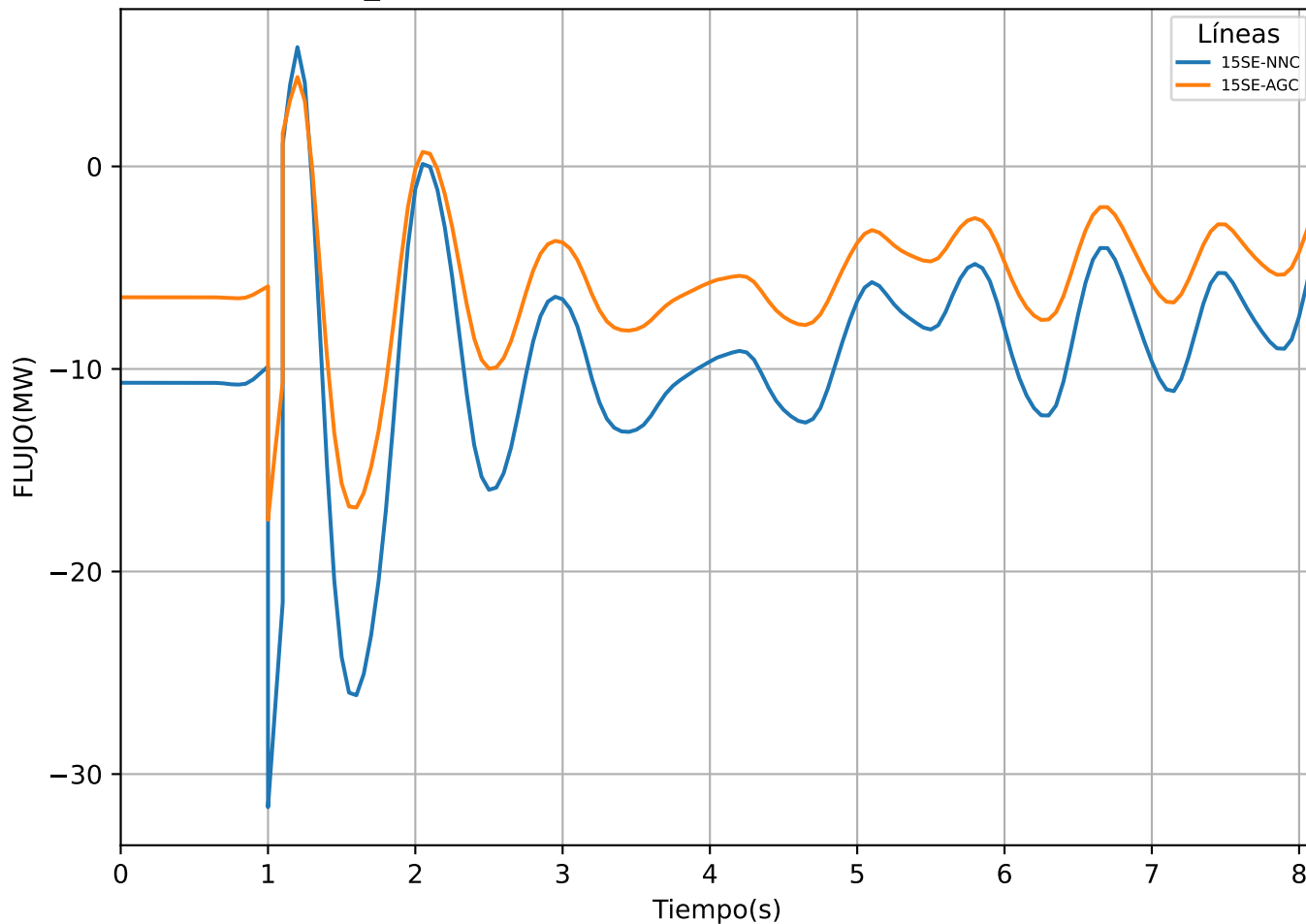
F41_OPIC-SONS: Intercambios ESA



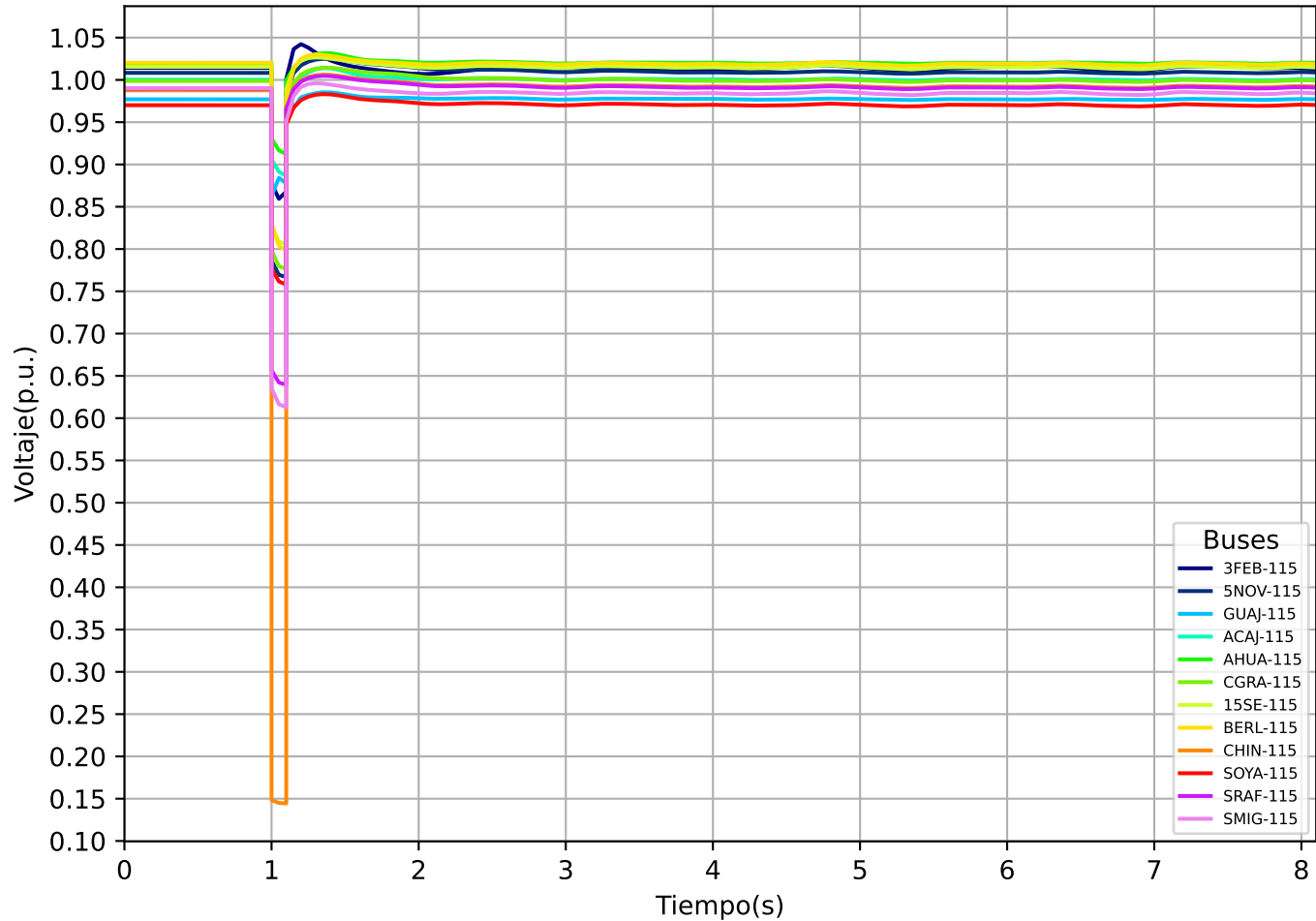
F42_TECO-OZAT: FLUJO INTERCONEXIONES ESA-GUA



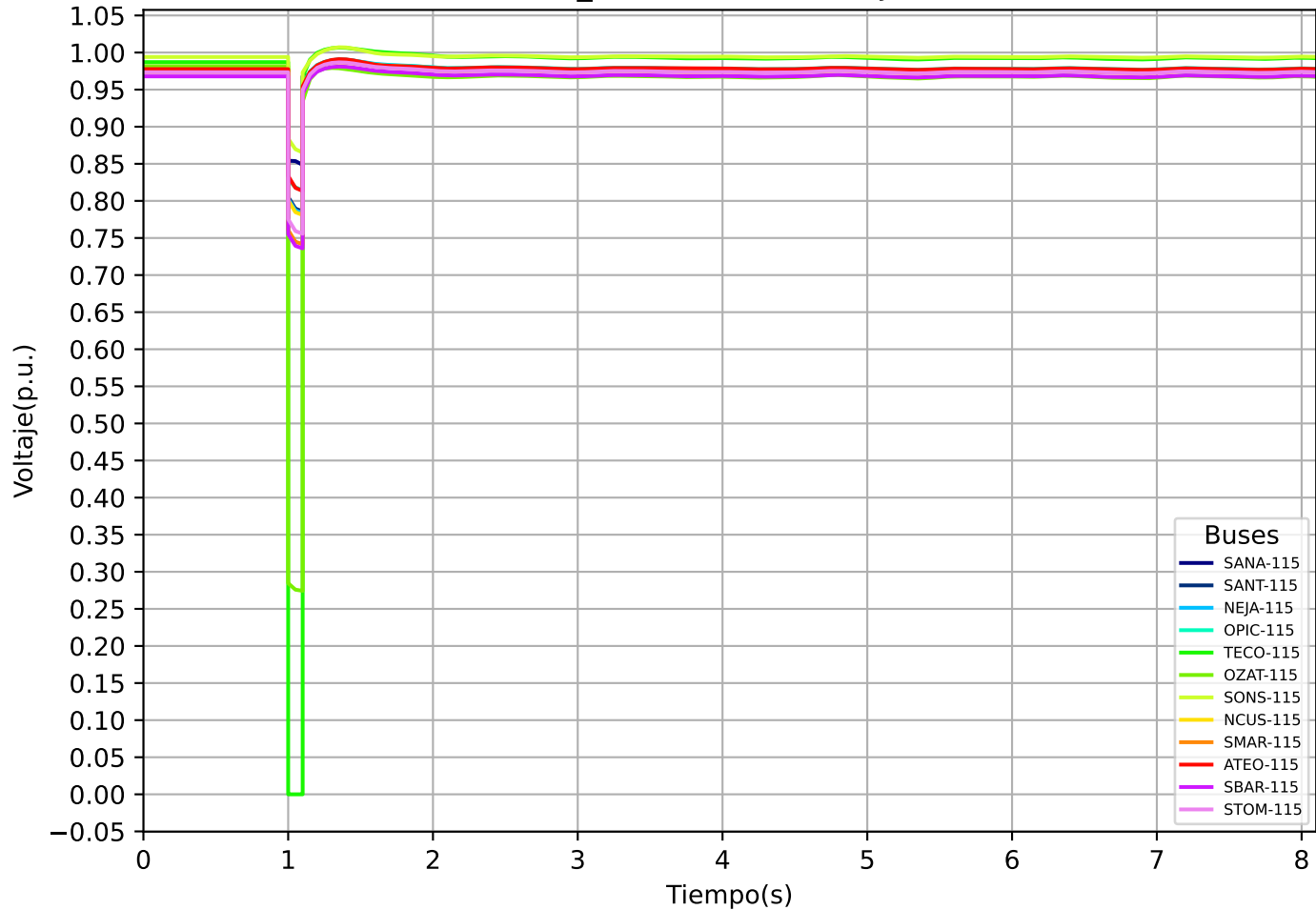
F42_TECO-OZAT: FLUJO INTERCONEXIONES ESA-HON



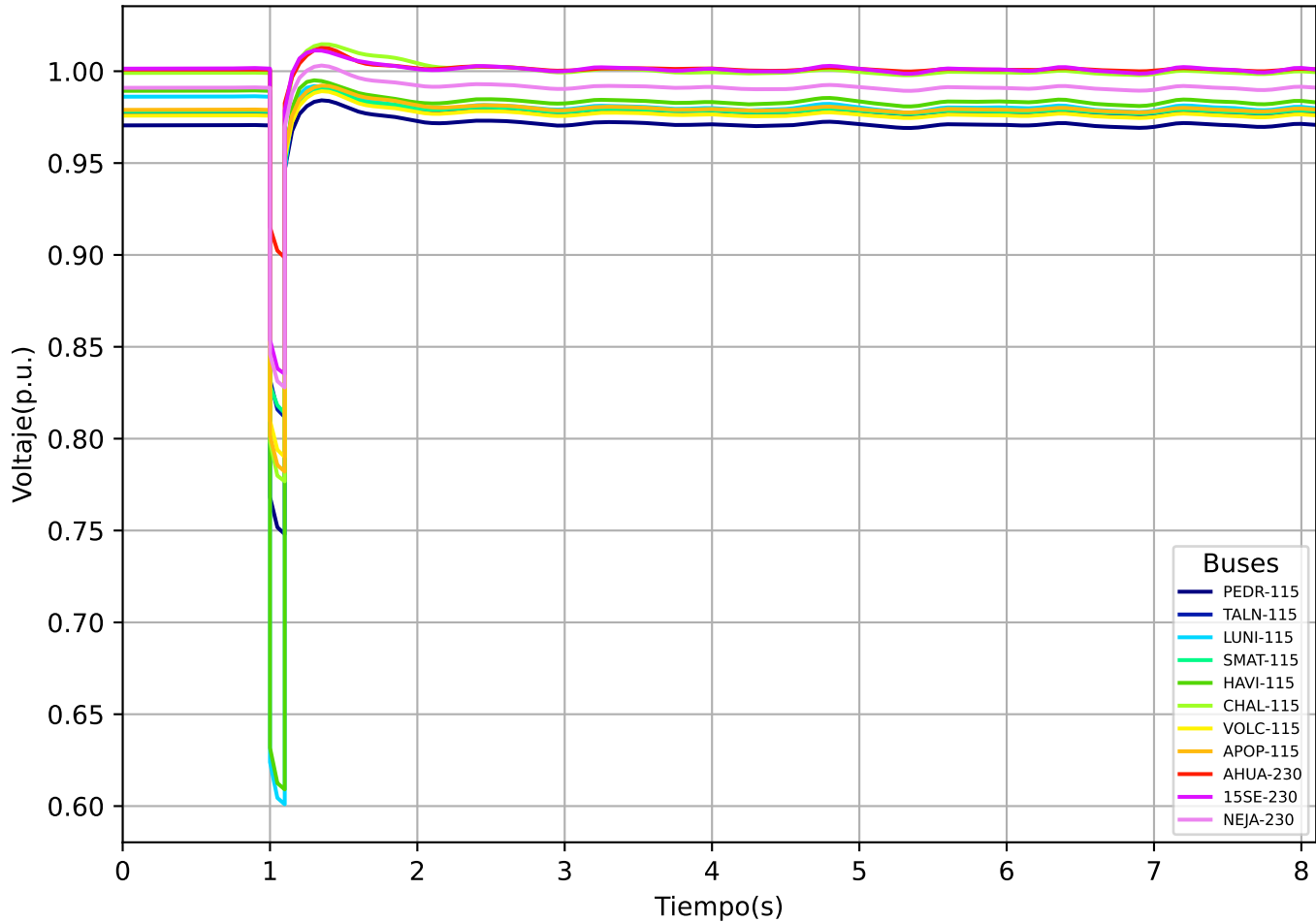
F42_TECO-OZAT: VOLTAJE 1



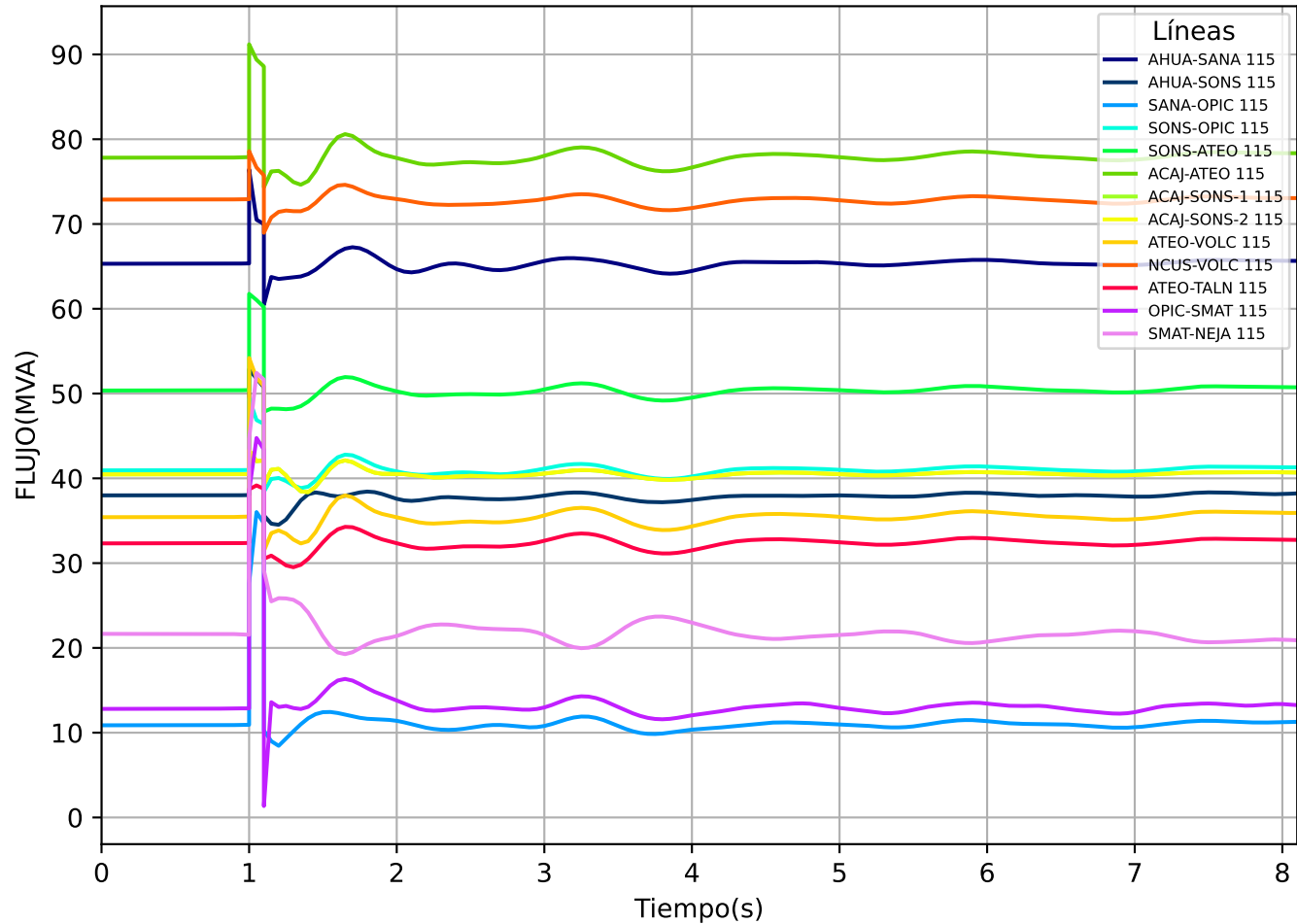
F42_TECO-OZAT: VOLTAJE 2



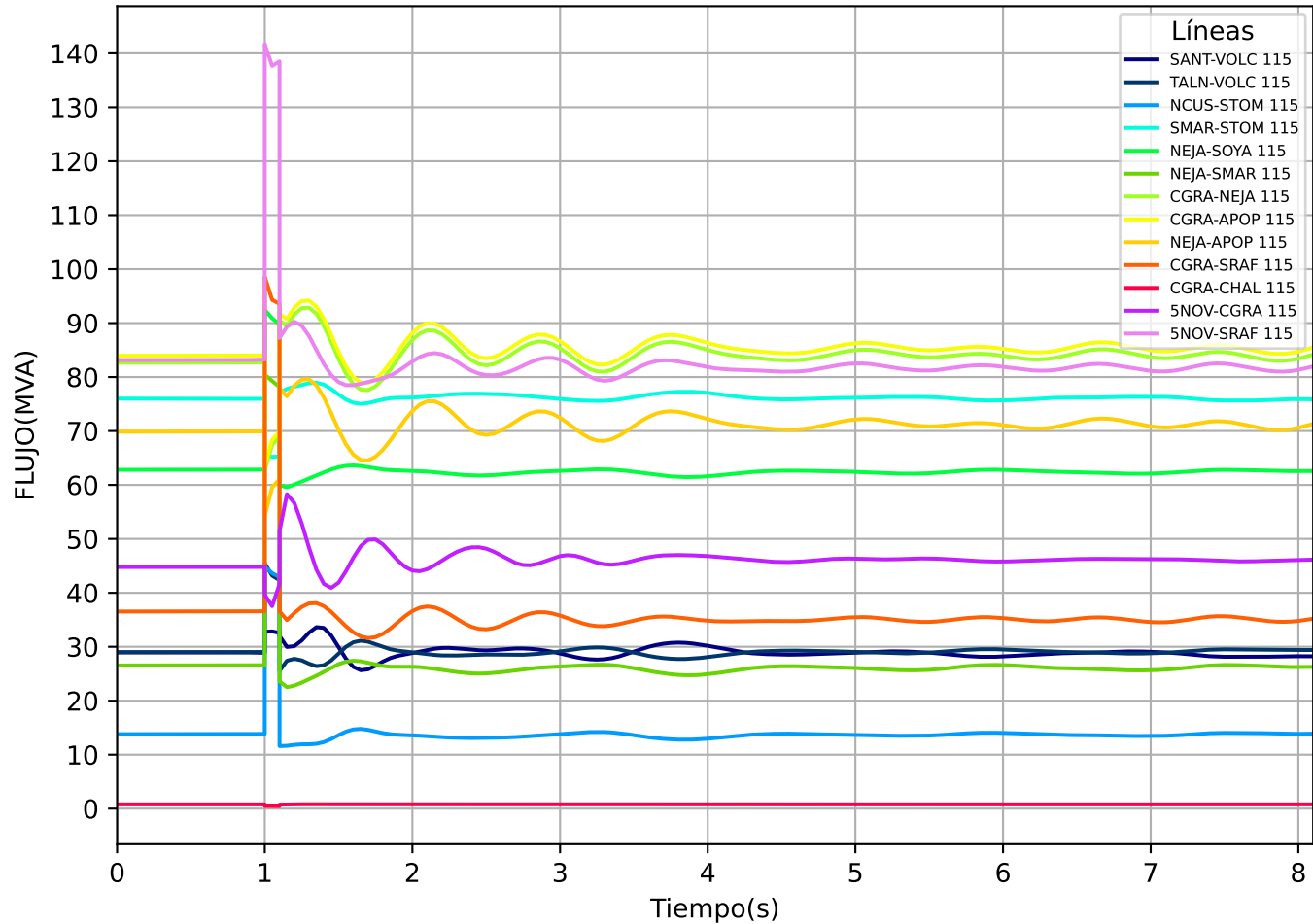
F42_TECO-OZAT: VOLTAJE 3



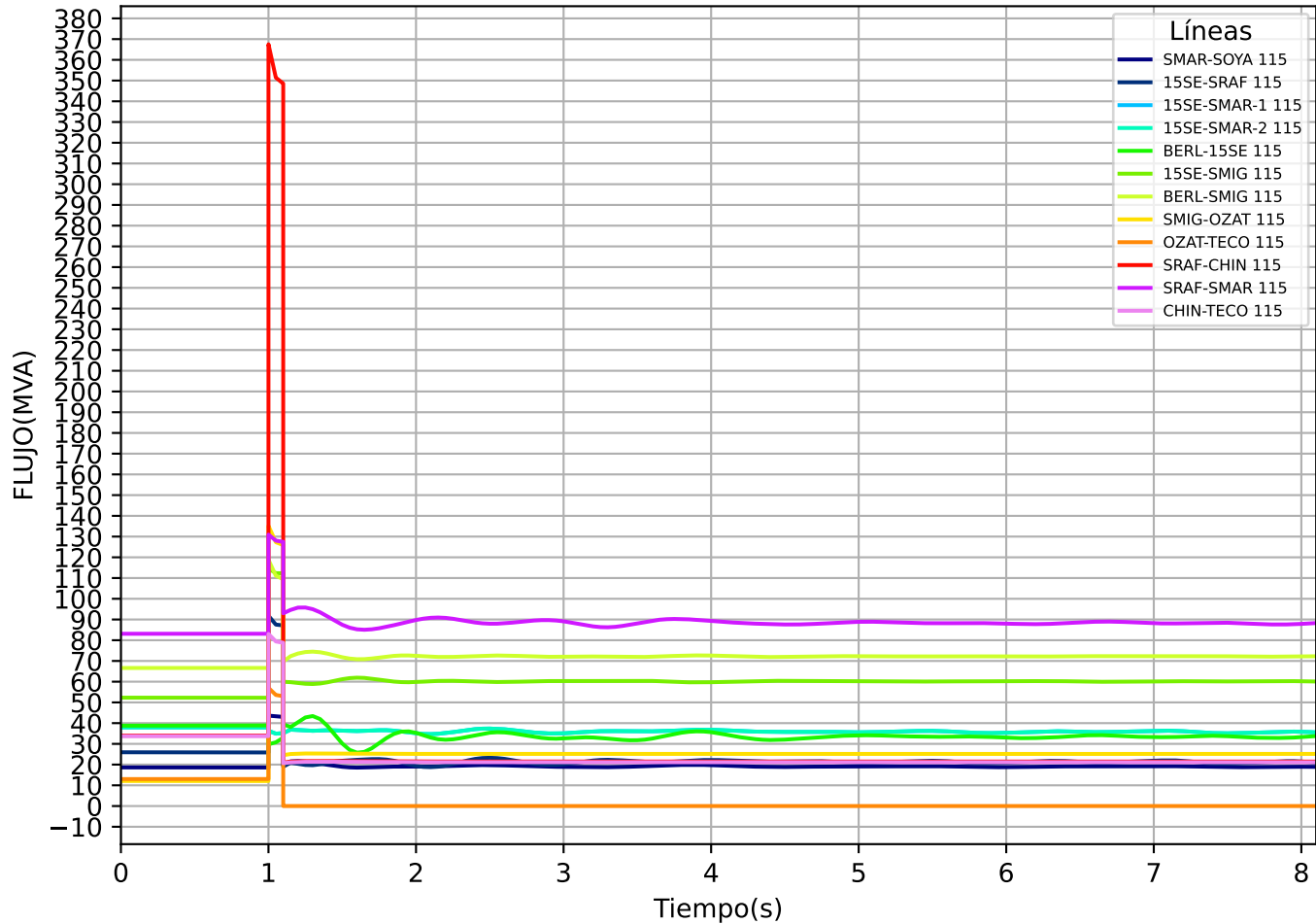
F42_TECO-OZAT: FLUJO L-115kV 1



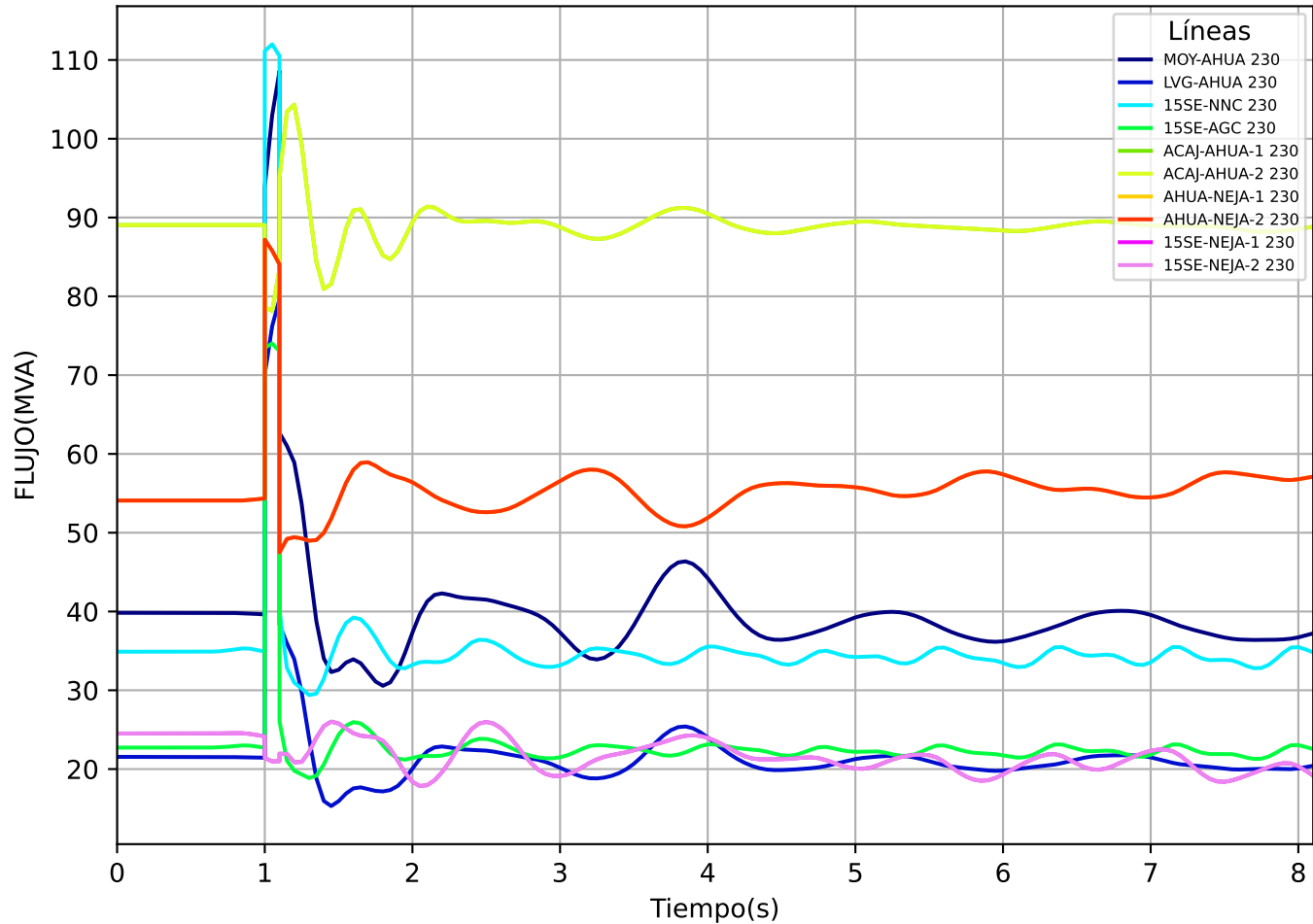
F42_TECO-OZAT: FLUJO L-115kV 2



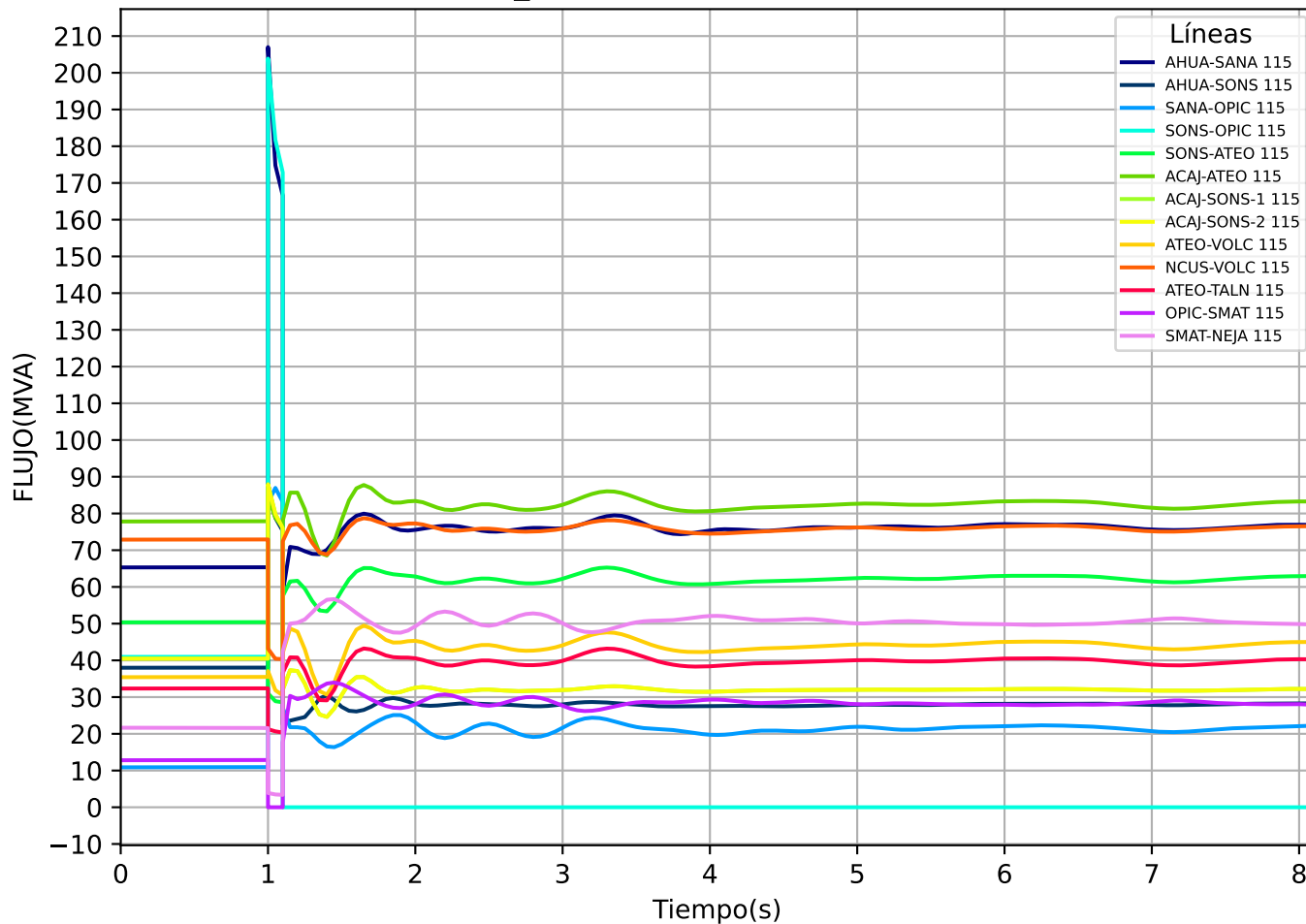
F42_TECO-OZAT: FLUJO L-115kV 3



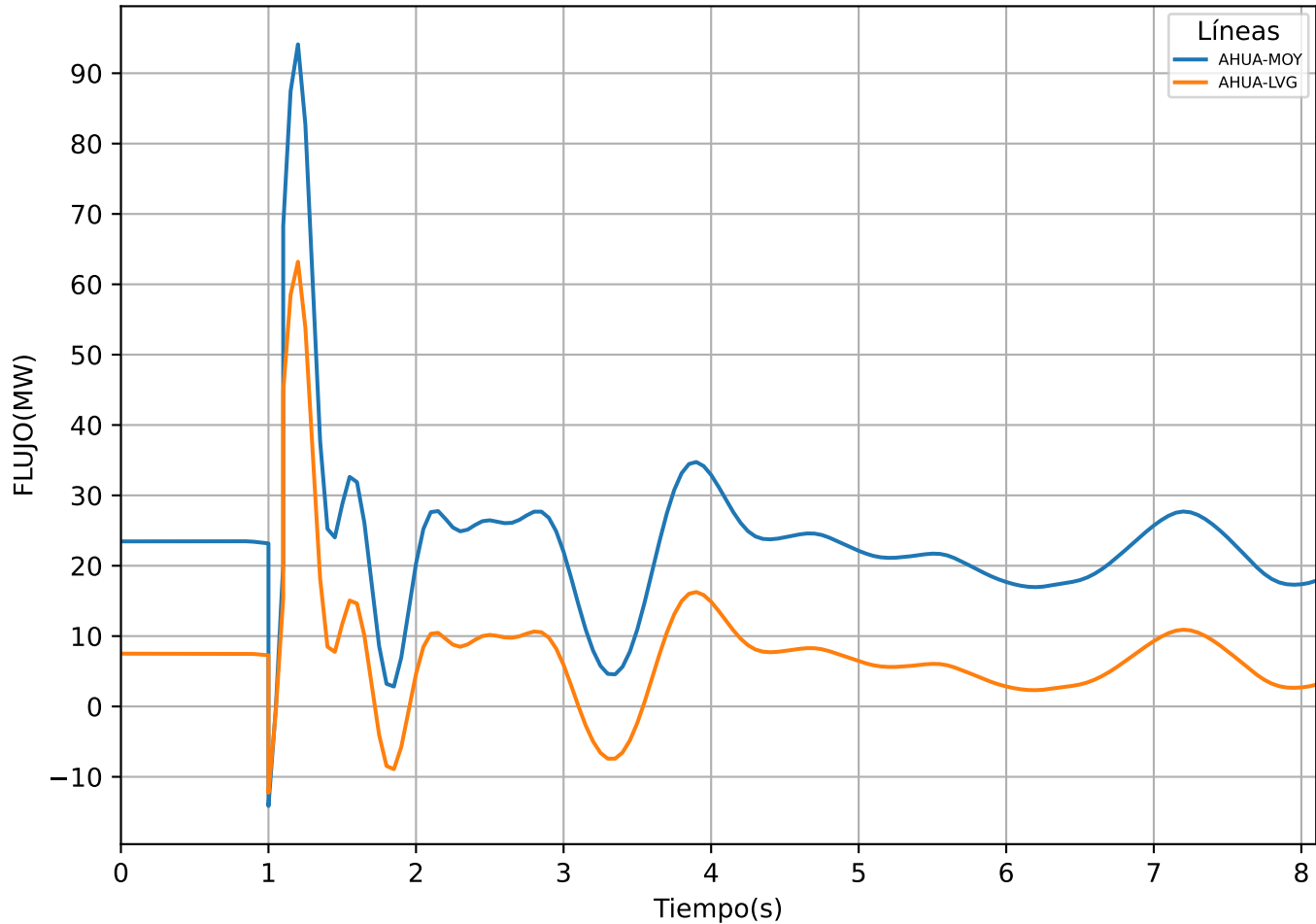
F42_TECO-OZAT: FLUJO L-230kV 4



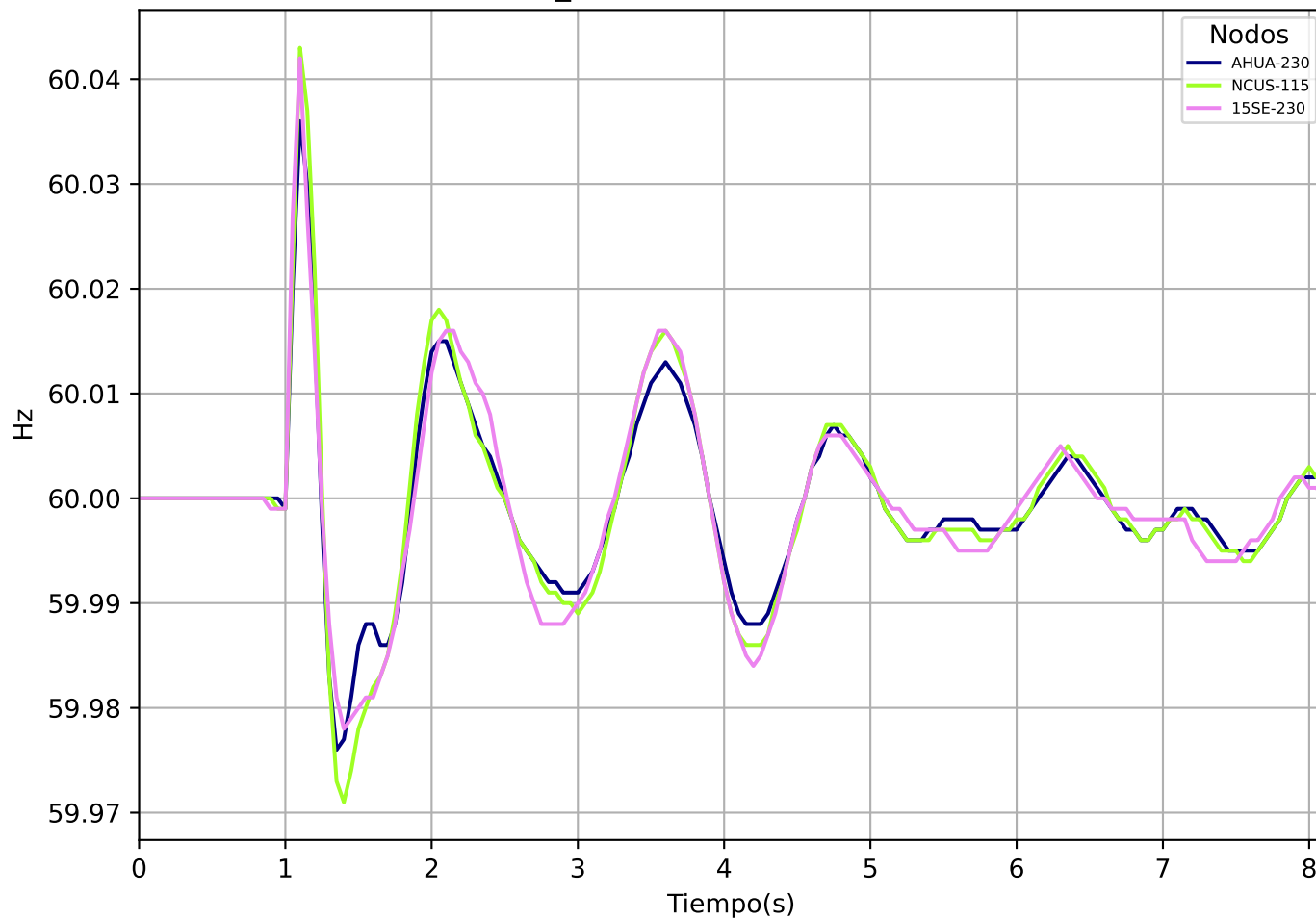
F41_OPIC-SONS: FLUJO L-115kV 1



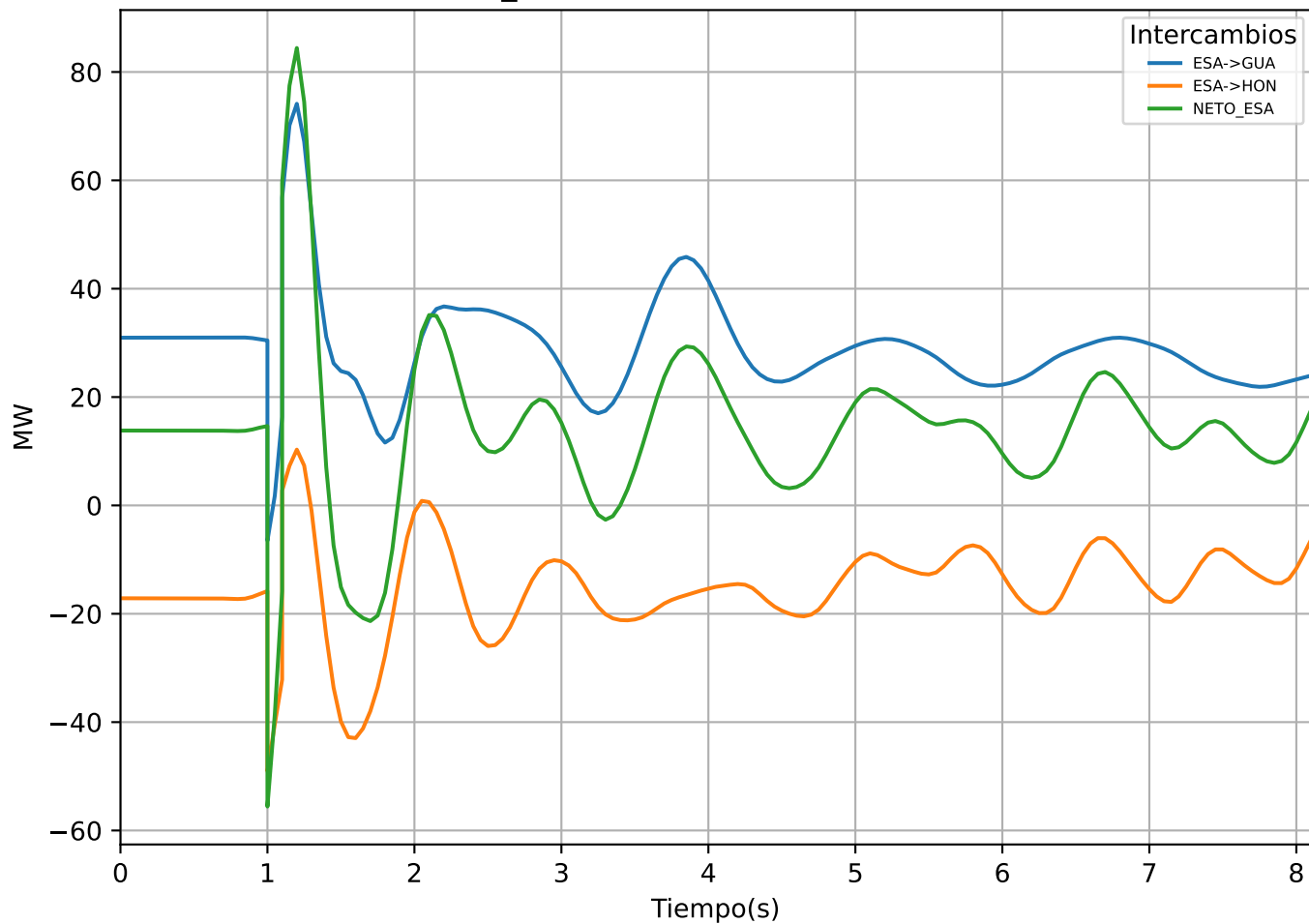
F41_OPIC-SONS: FLUJO INTERCONEXIONES ESA-GUA



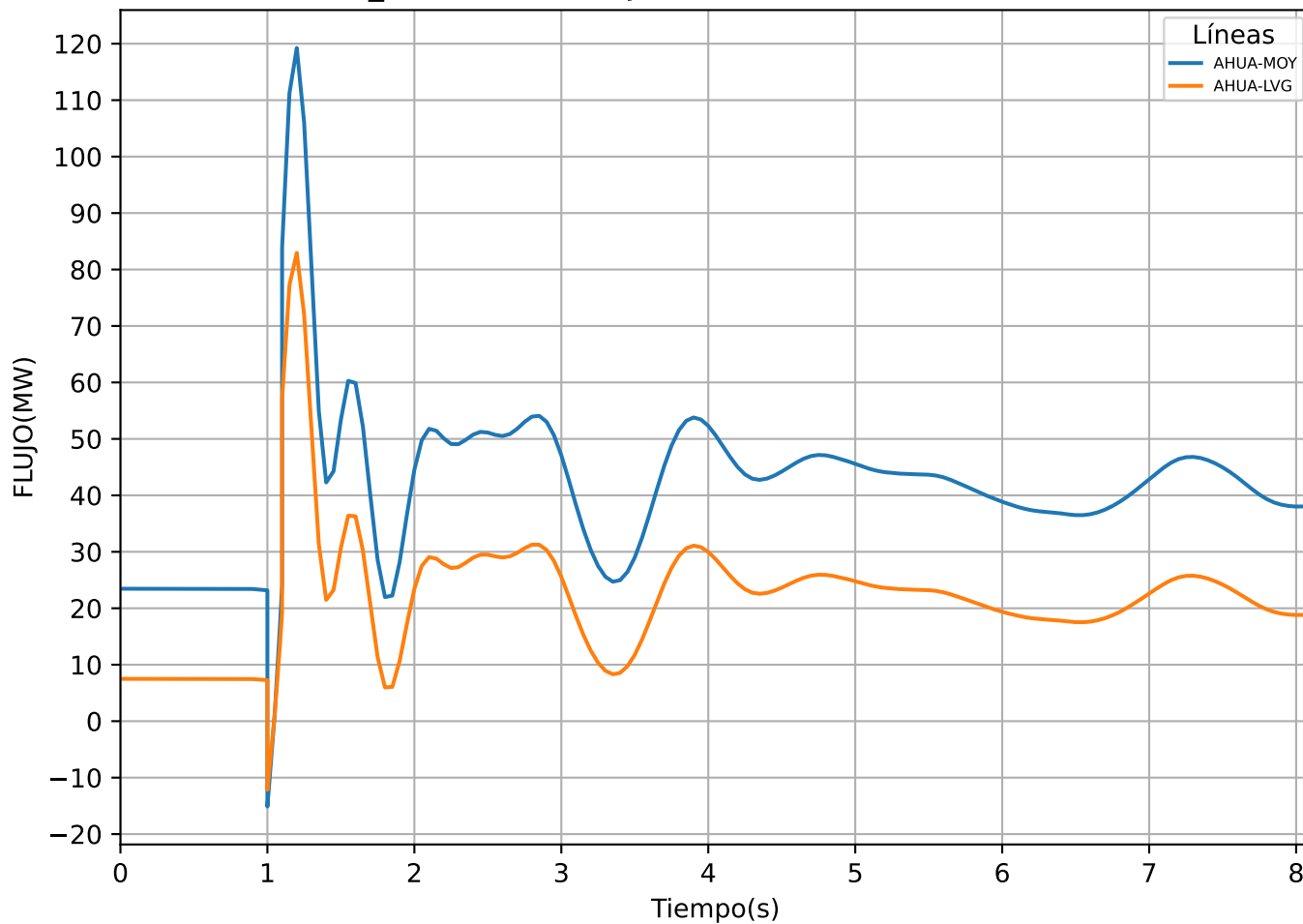
F42_TECO-OZAT: FRECUENCIA



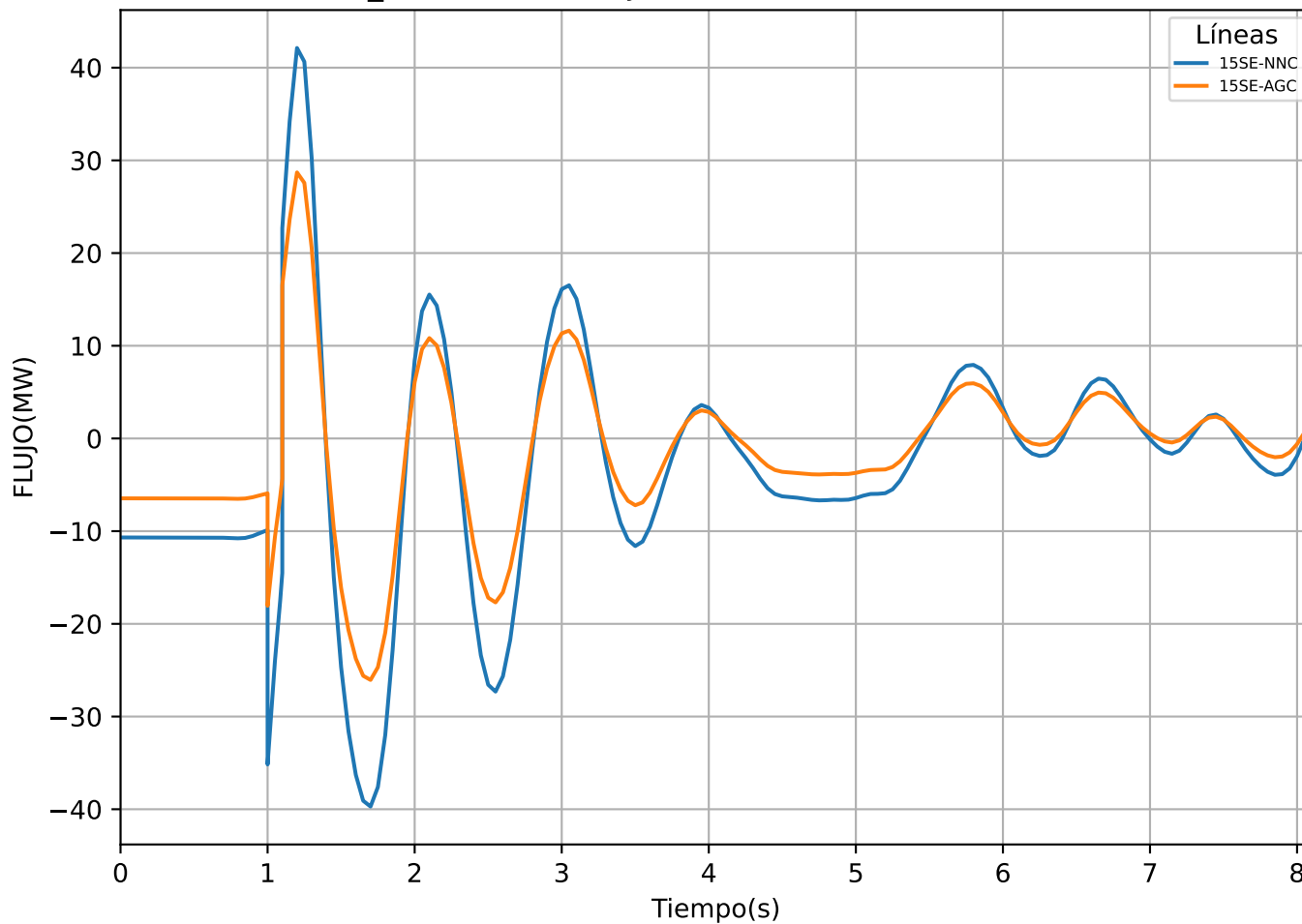
F42_TECO-OZAT: Intercambios ESA



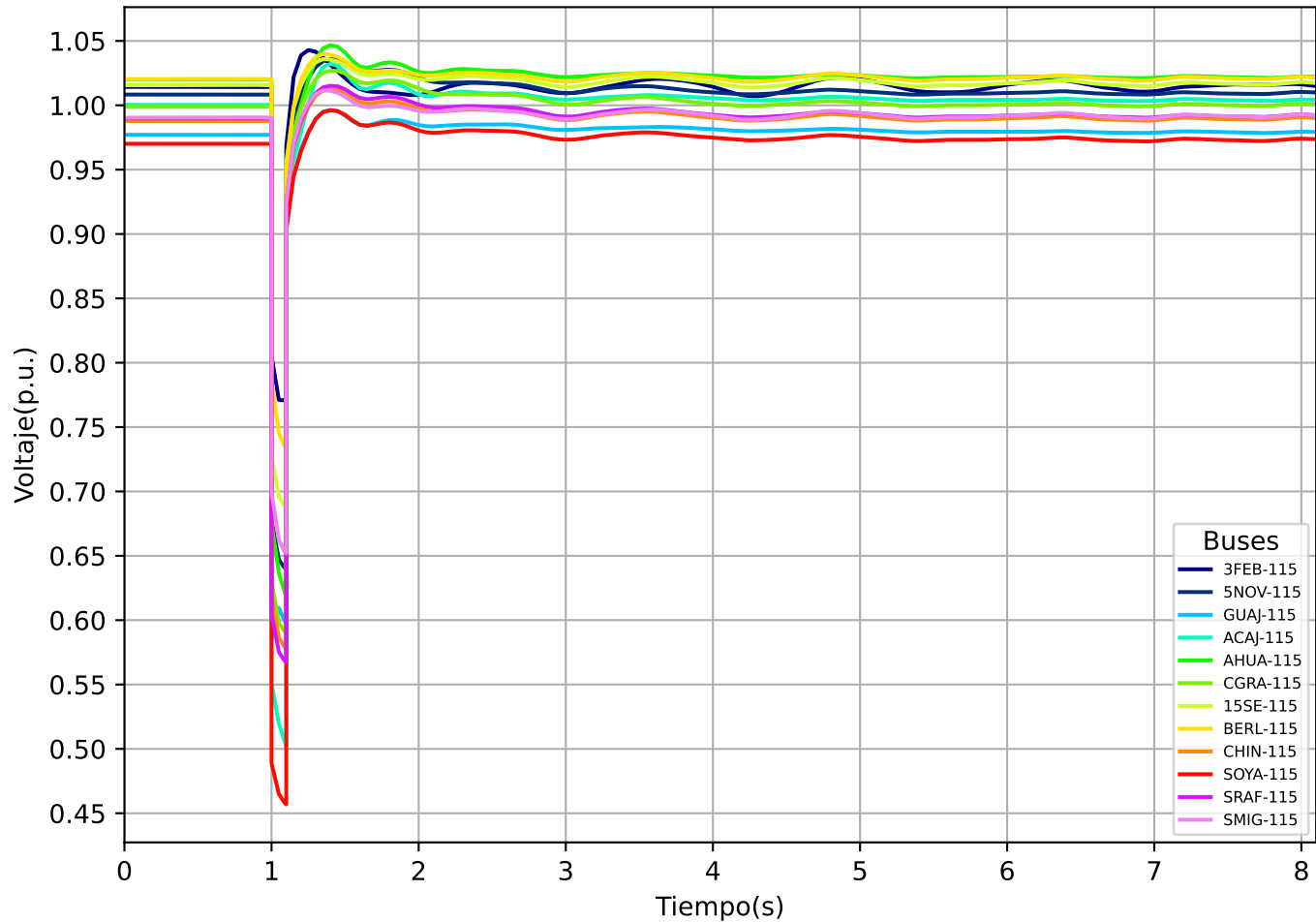
F43_ATEO-TALN: FLUJO INTERCONEXIONES ESA-GUA



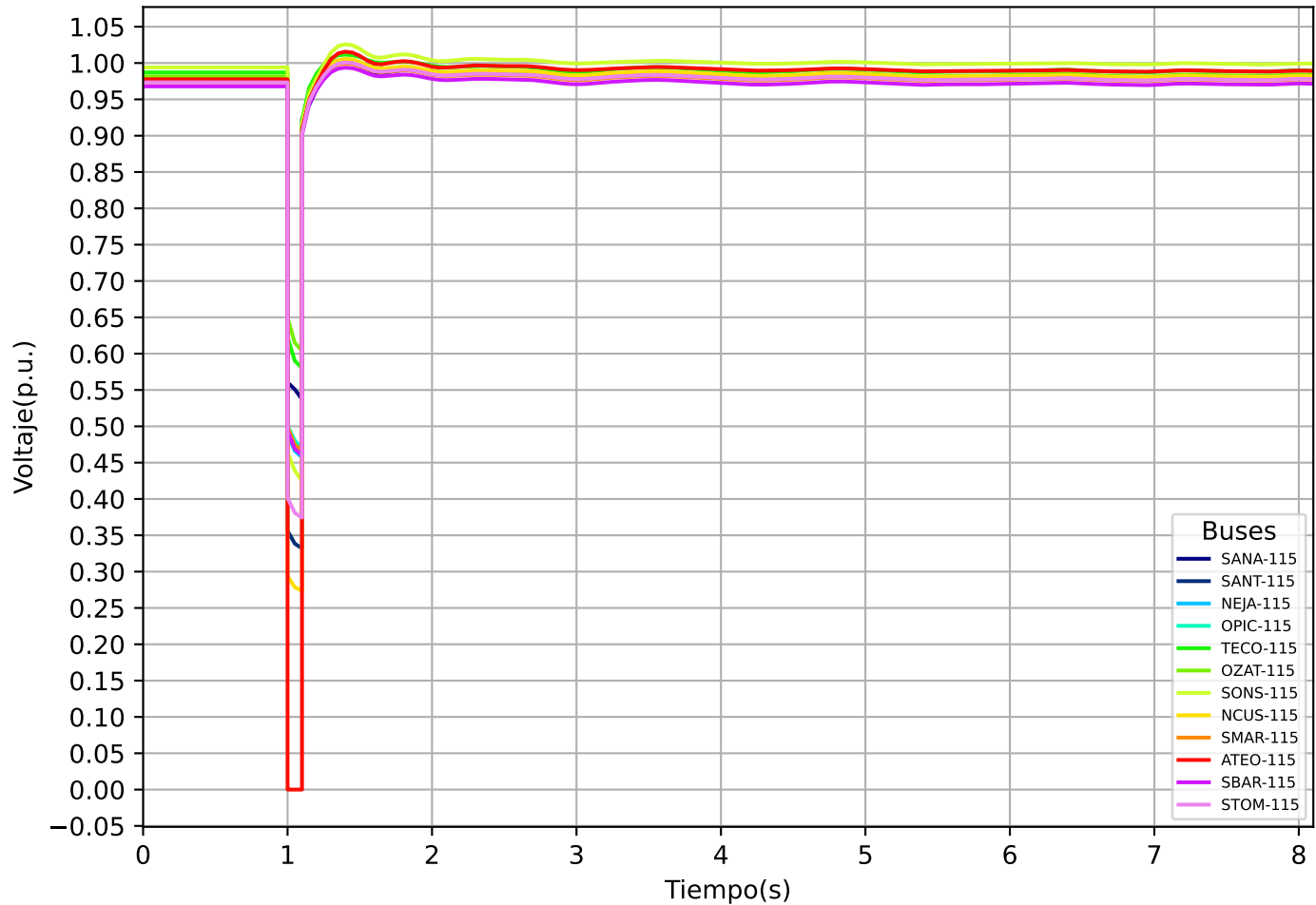
F43_ATEO-TALN: FLUJO INTERCONEXIONES ESA-HON



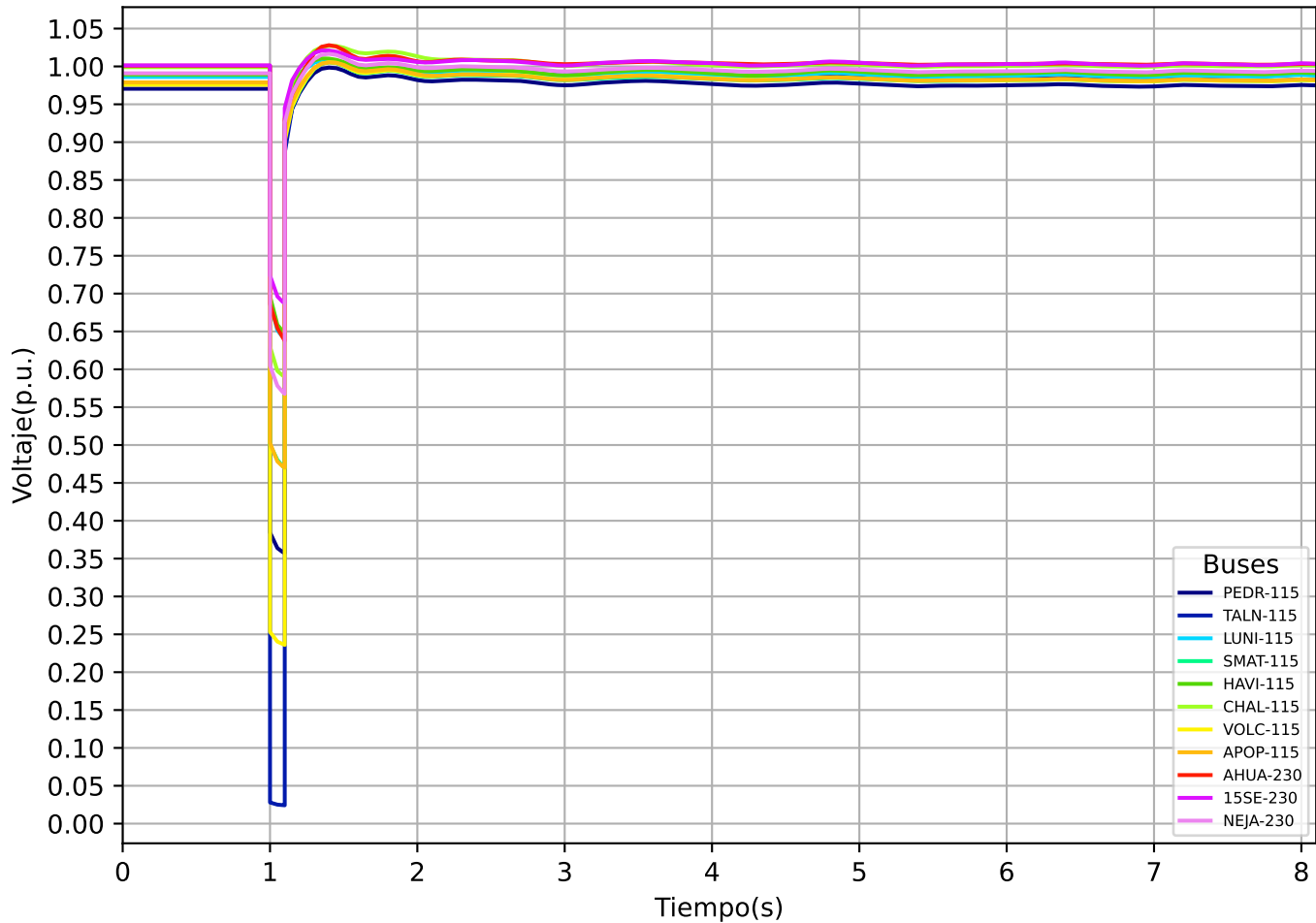
F43_ATEO-TALN: VOLTAJE 1



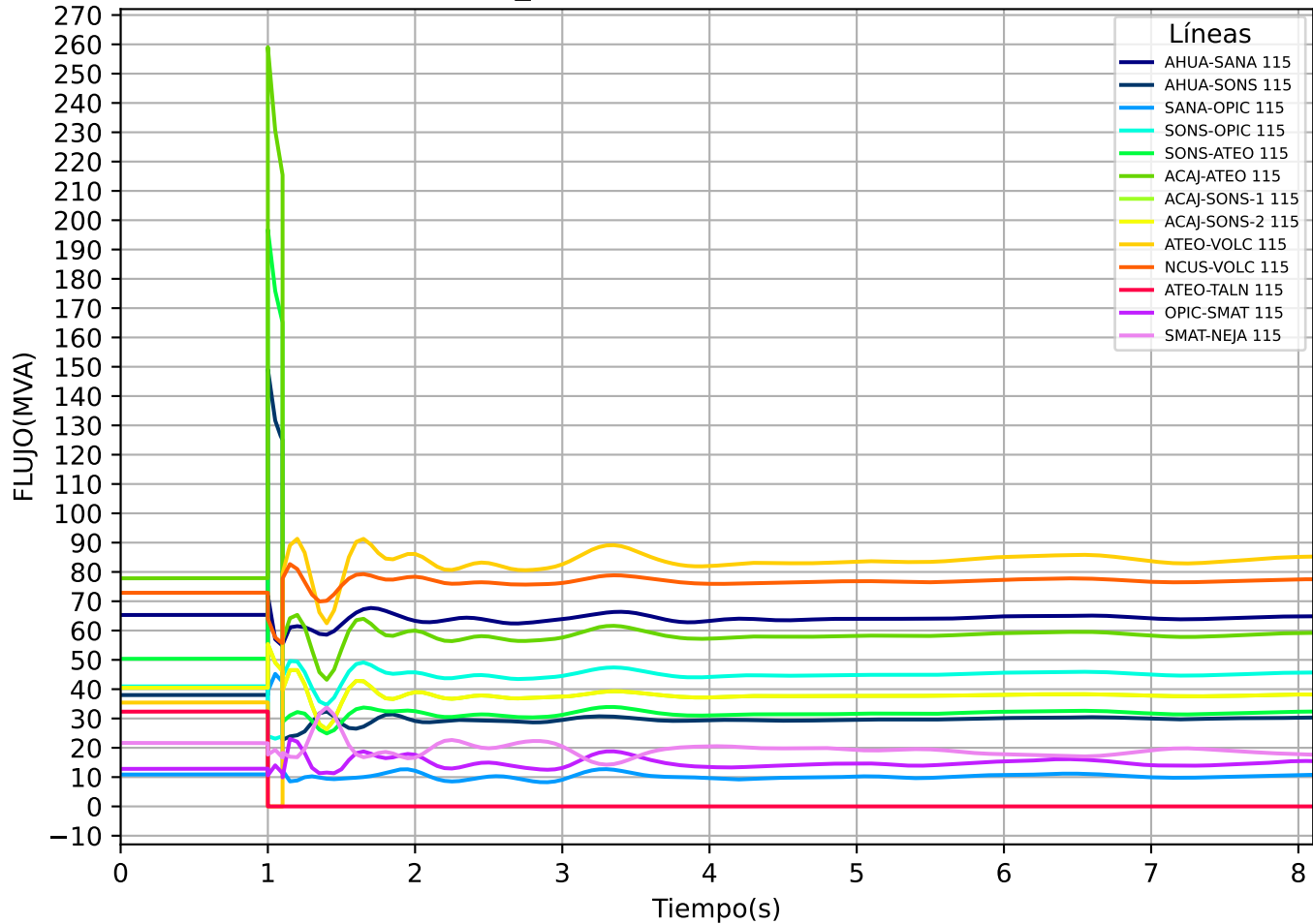
F43_ATEO-TALN: VOLTAJE 2



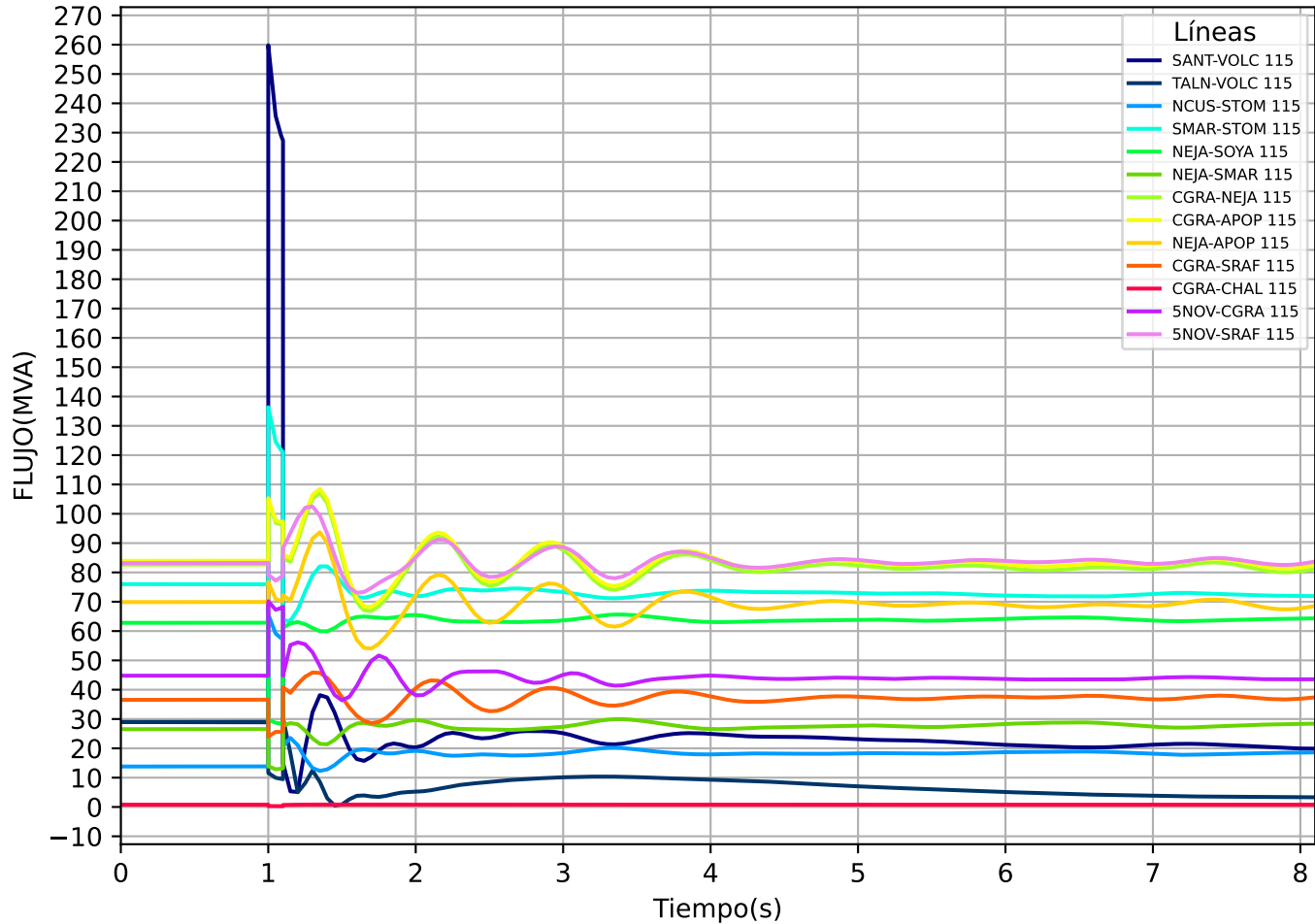
F43_ATEO-TALN: VOLTAJE 3



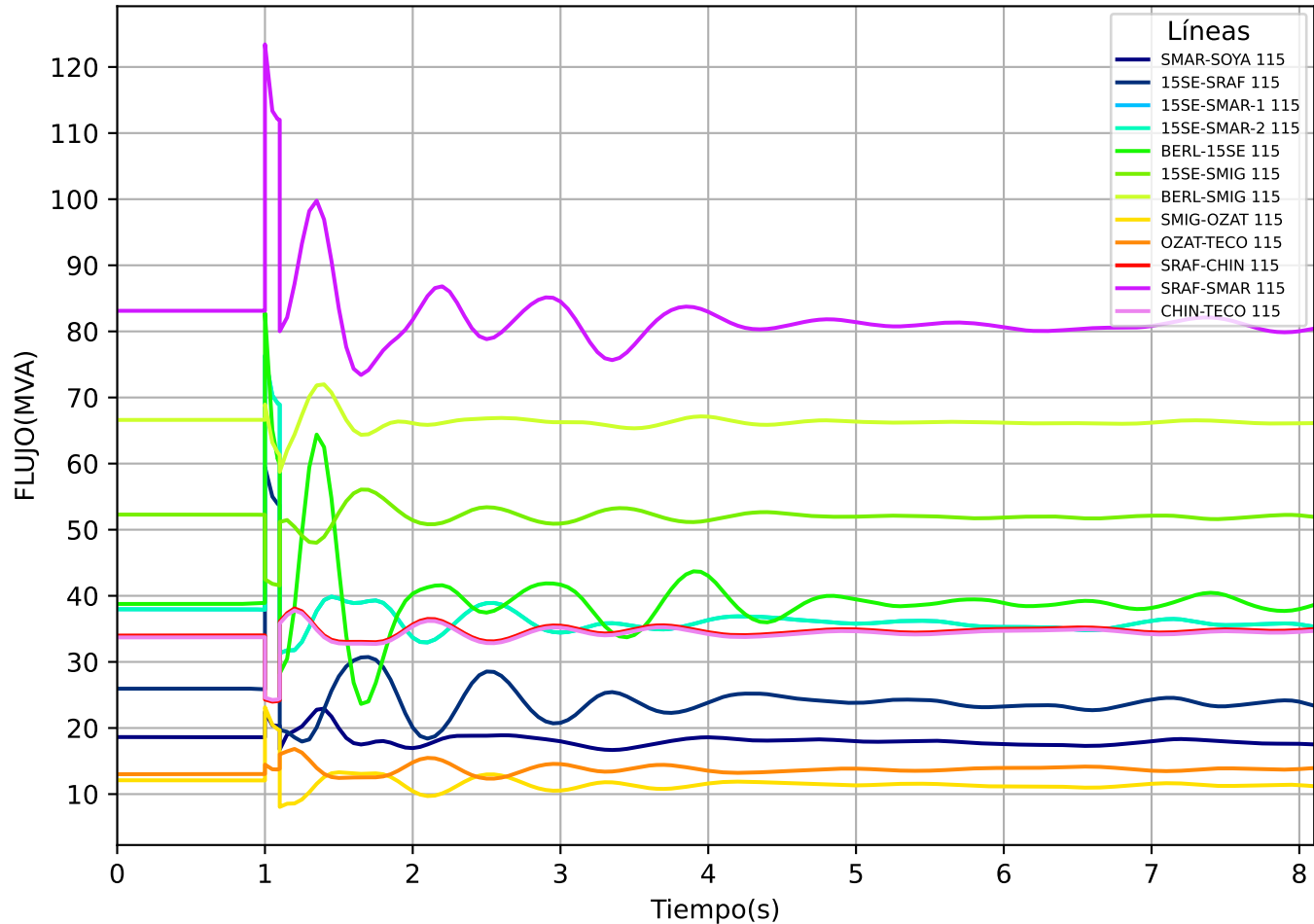
F43_ATEO-TALN: FLUJO L-115kV 1



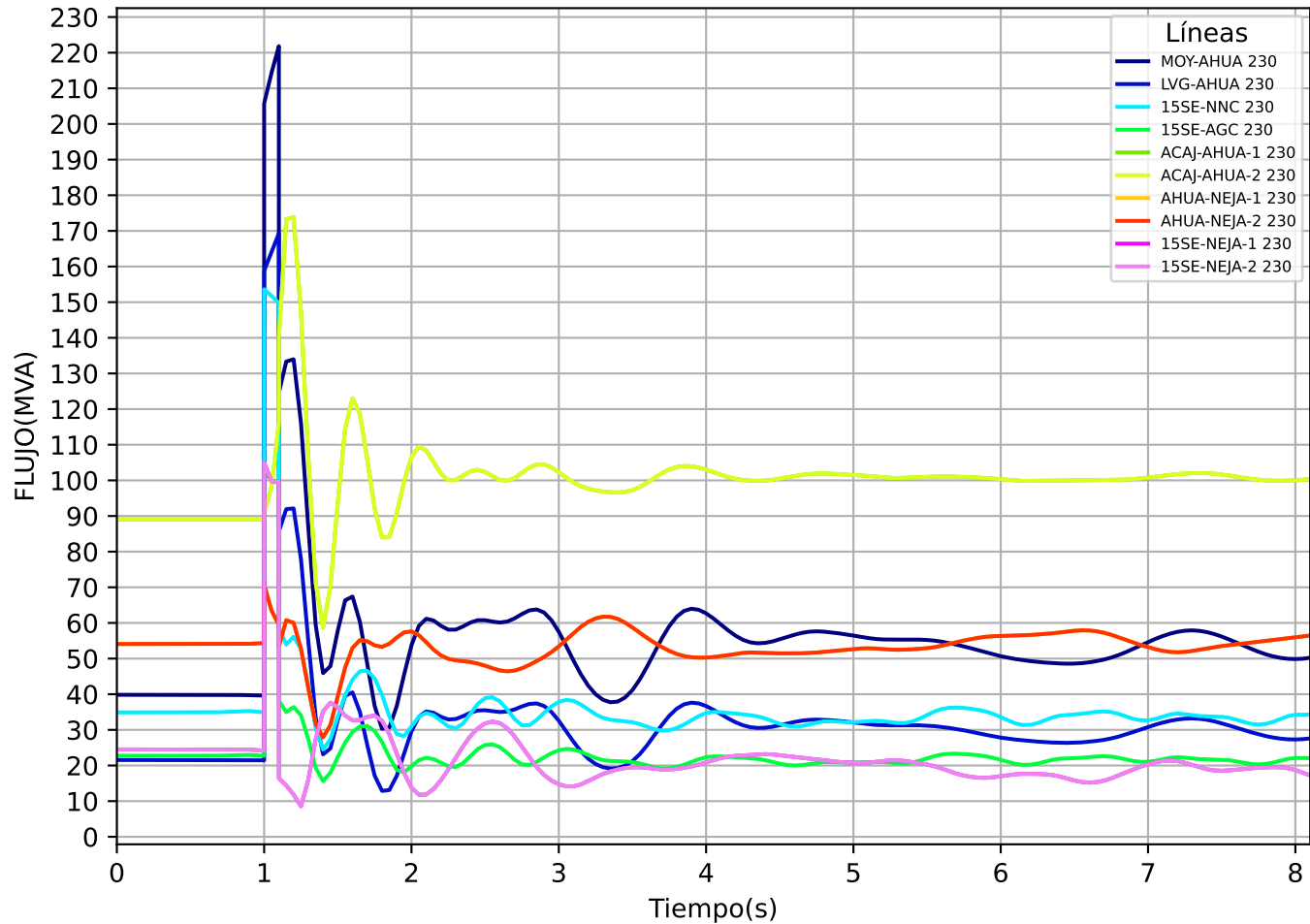
F43_ATEO-TALN: FLUJO L-115kV 2



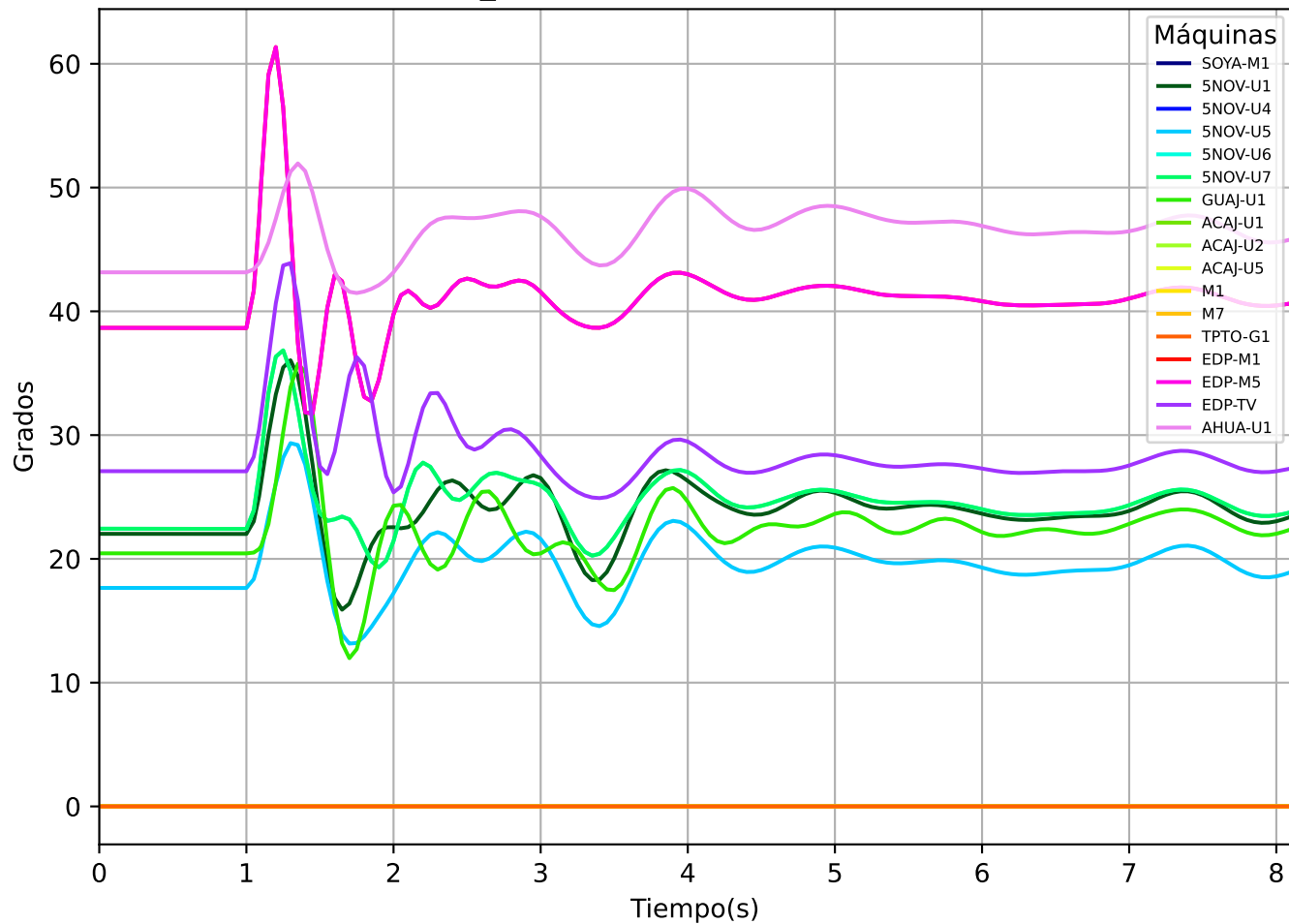
F43_ATEO-TALN: FLUJO L-115kV 3



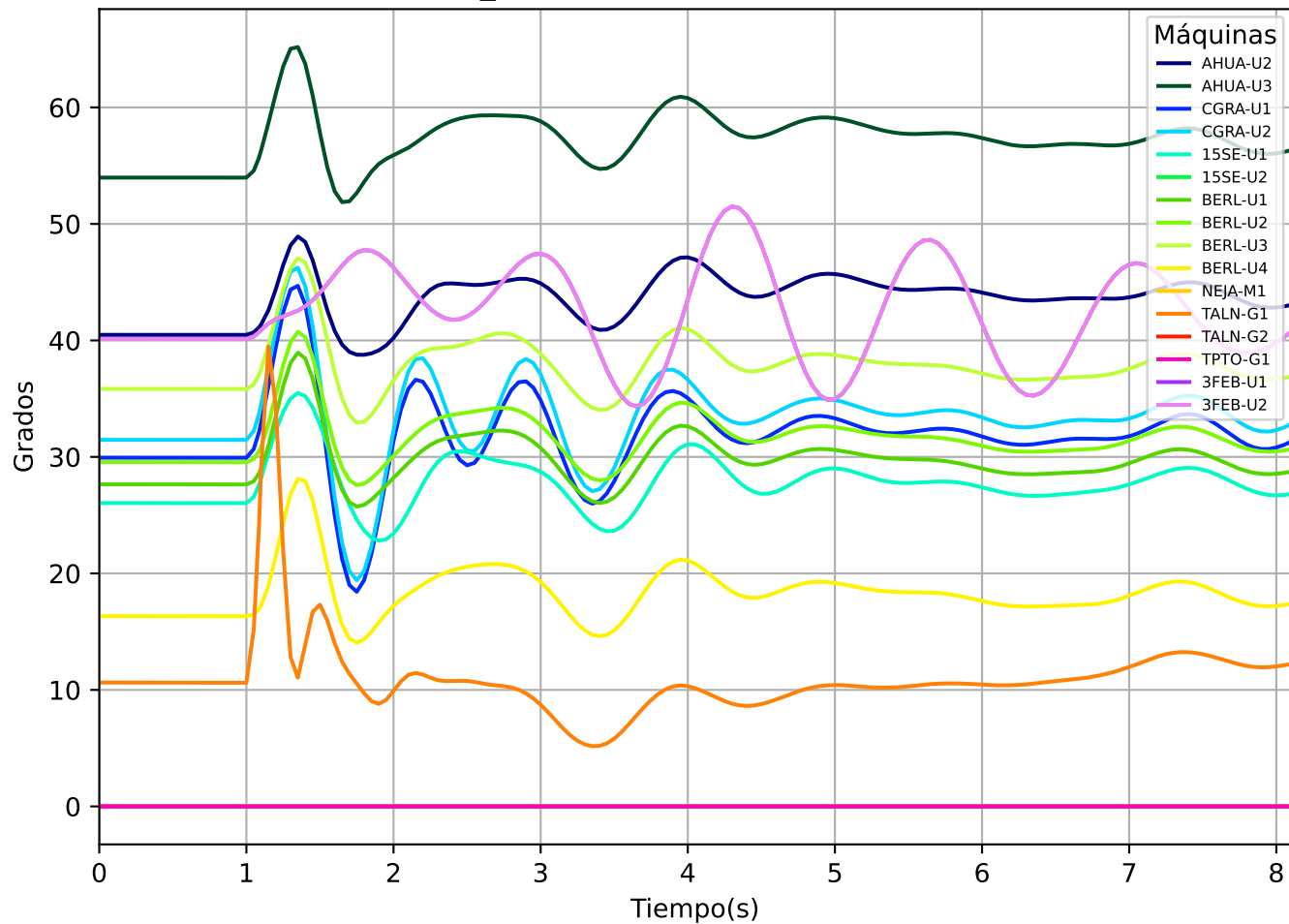
F43_ATEO-TALN: FLUJO L-230kV 4



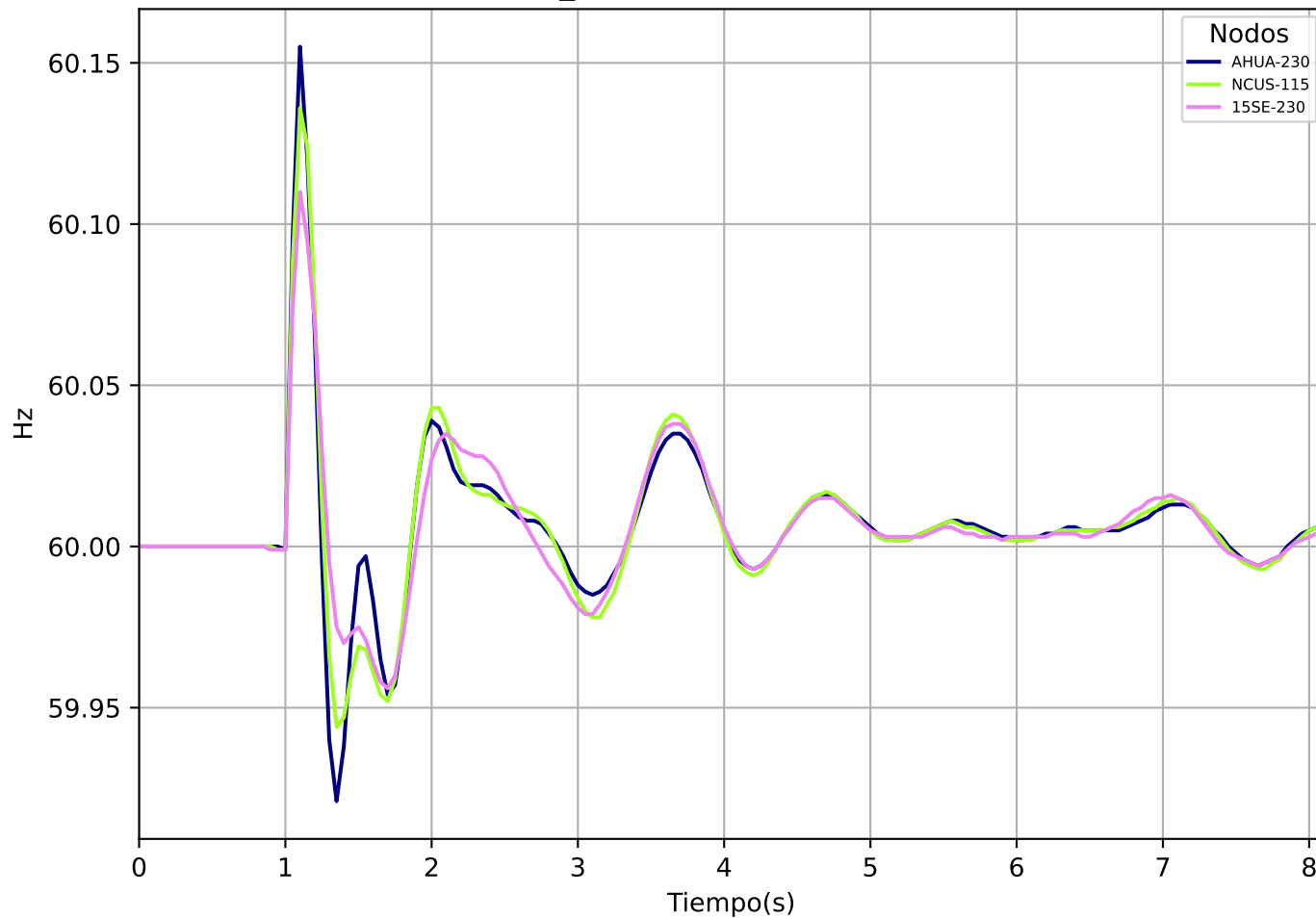
F43_ATEO-TALN: ANGULO ROTOR 1



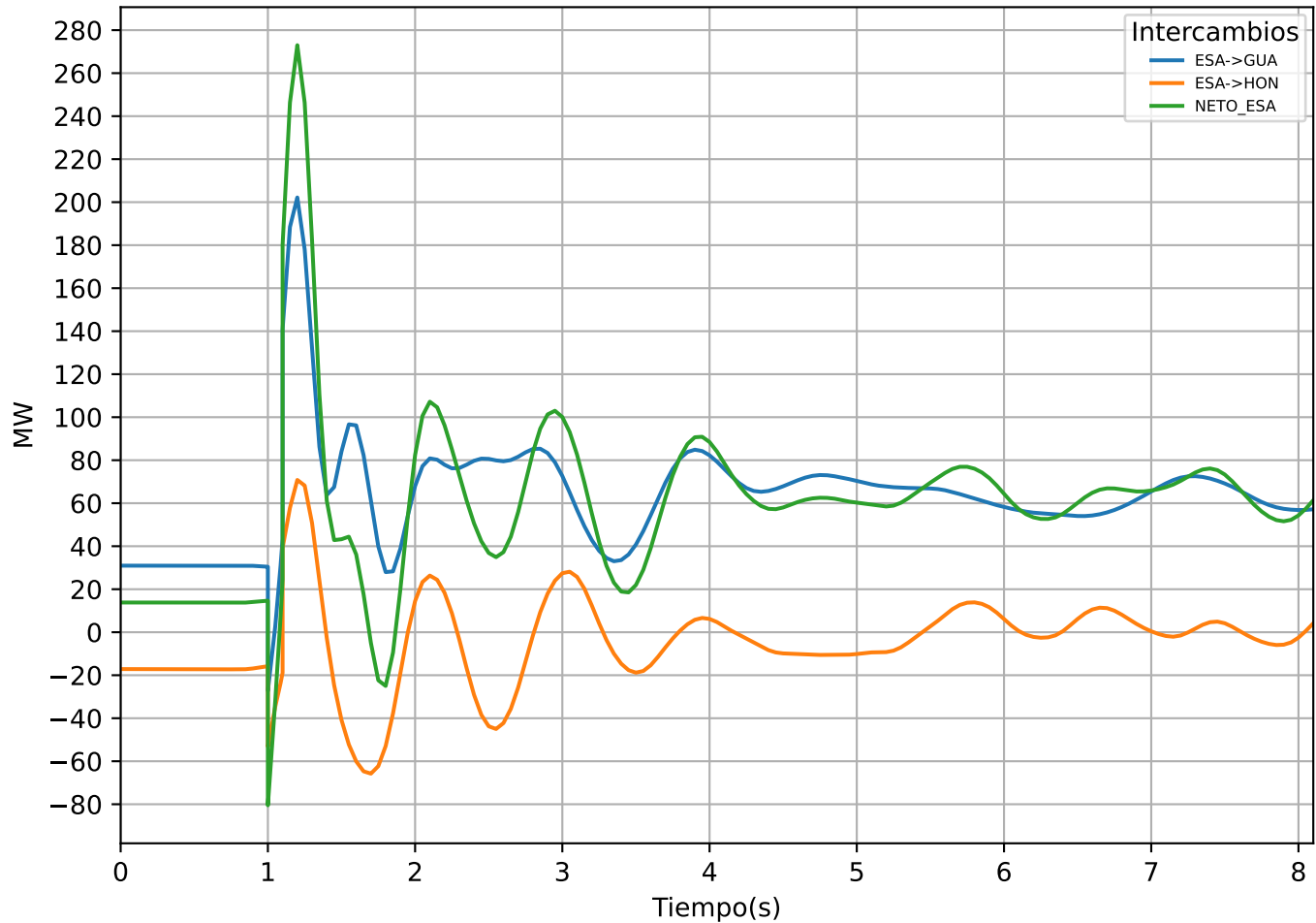
F43_ATEO-TALN: ANGULO ROTOR 2



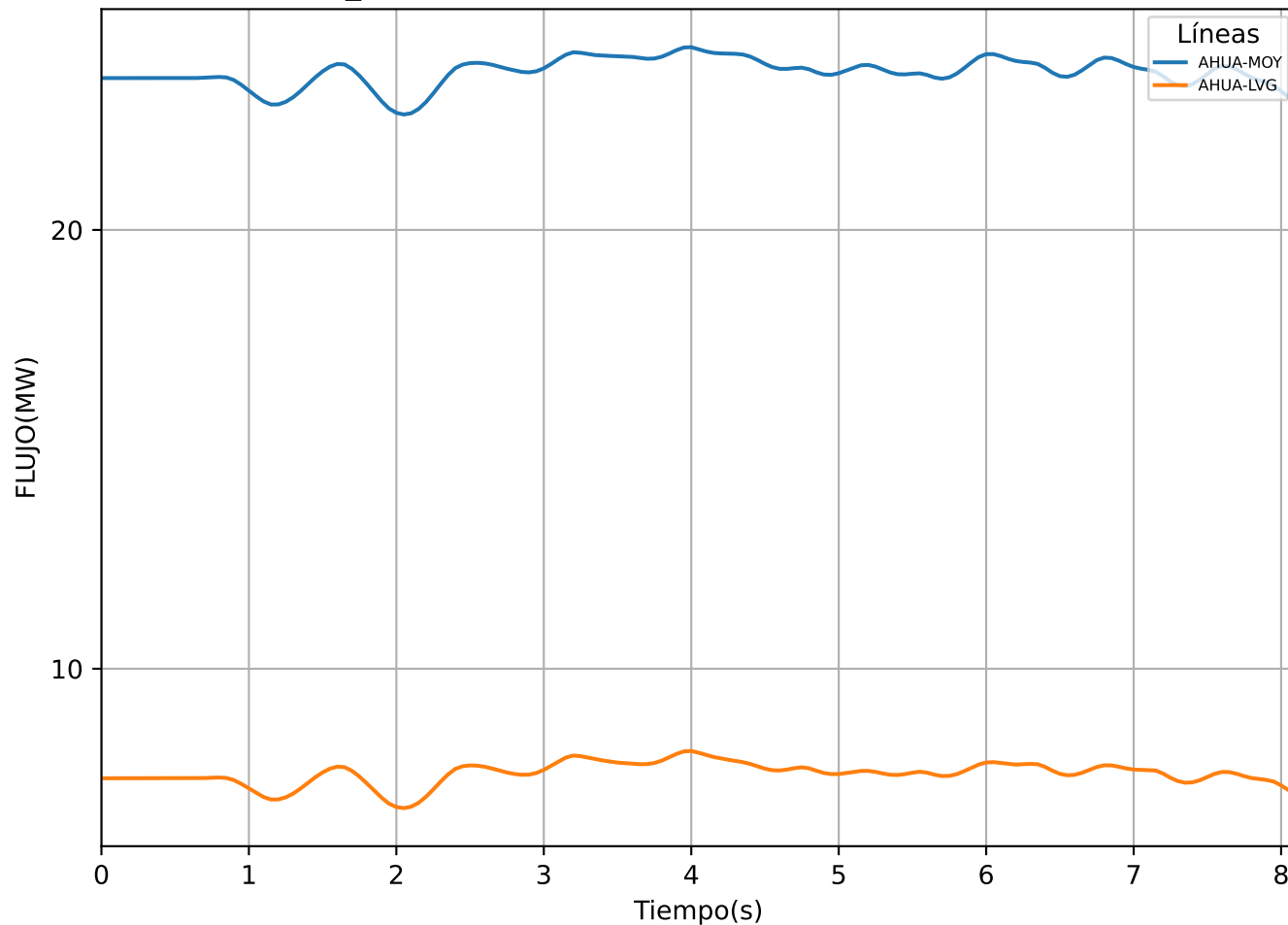
F43_ATEO-TALN: FRECUENCIA



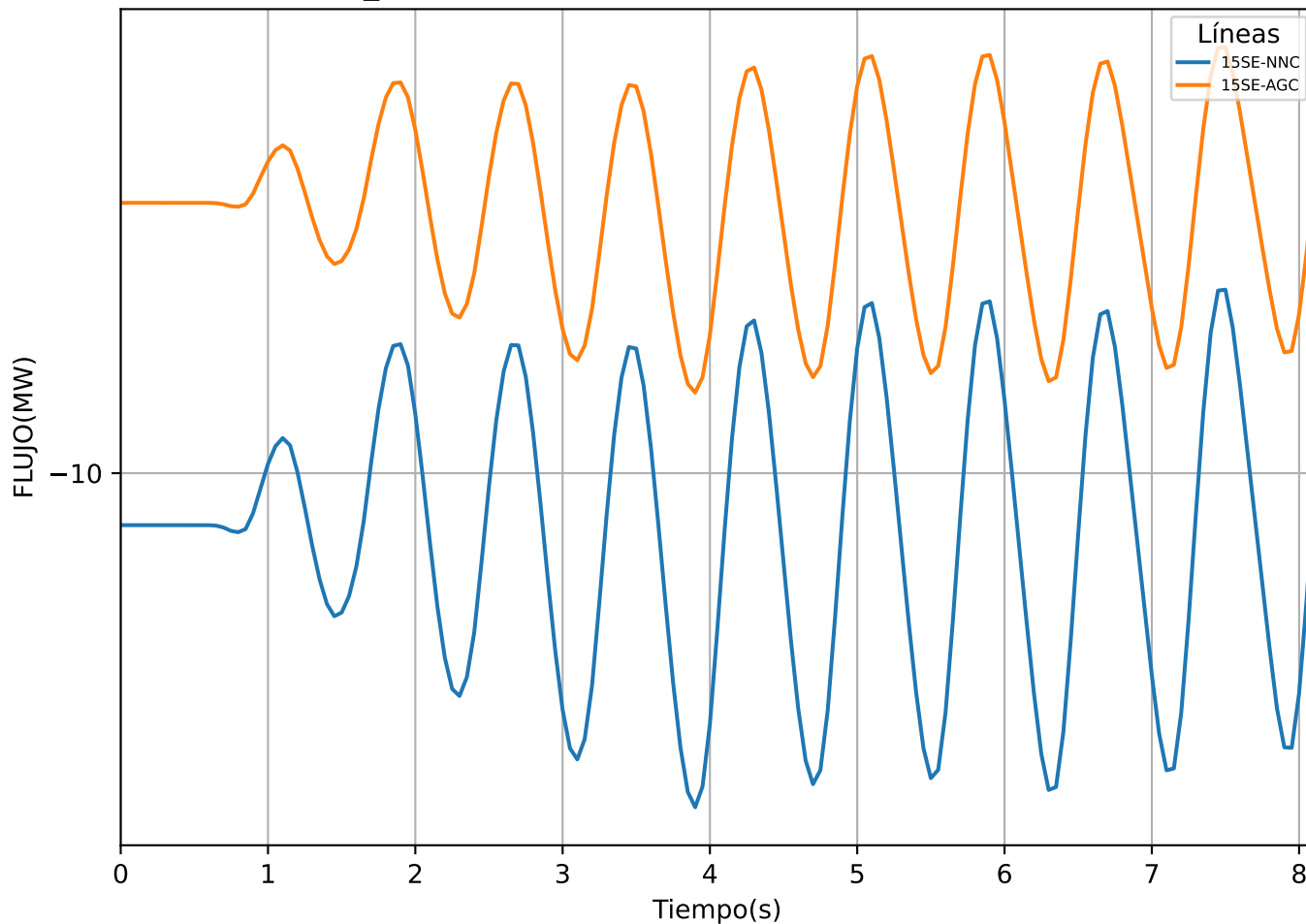
F43_ATEO-TALN: Intercambios ESA



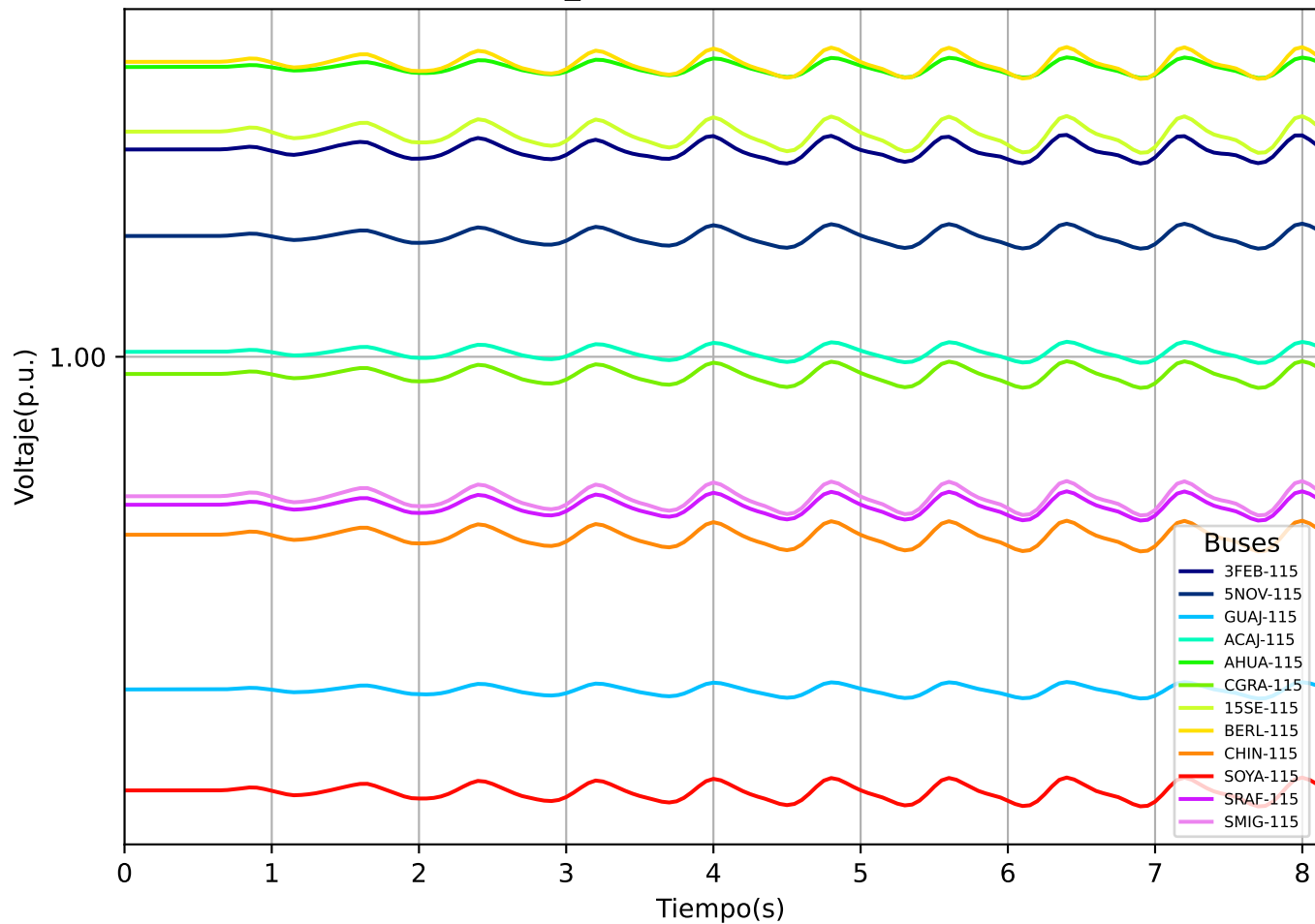
F44_NCUS-ATEO: FLUJO INTERCONEXIONES ESA-GUA



F44_NCUS-ATEO: FLUJO INTERCONEXIONES ESA-HON



F44_NCUS-ATEO: VOLTAJE 1



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4

5

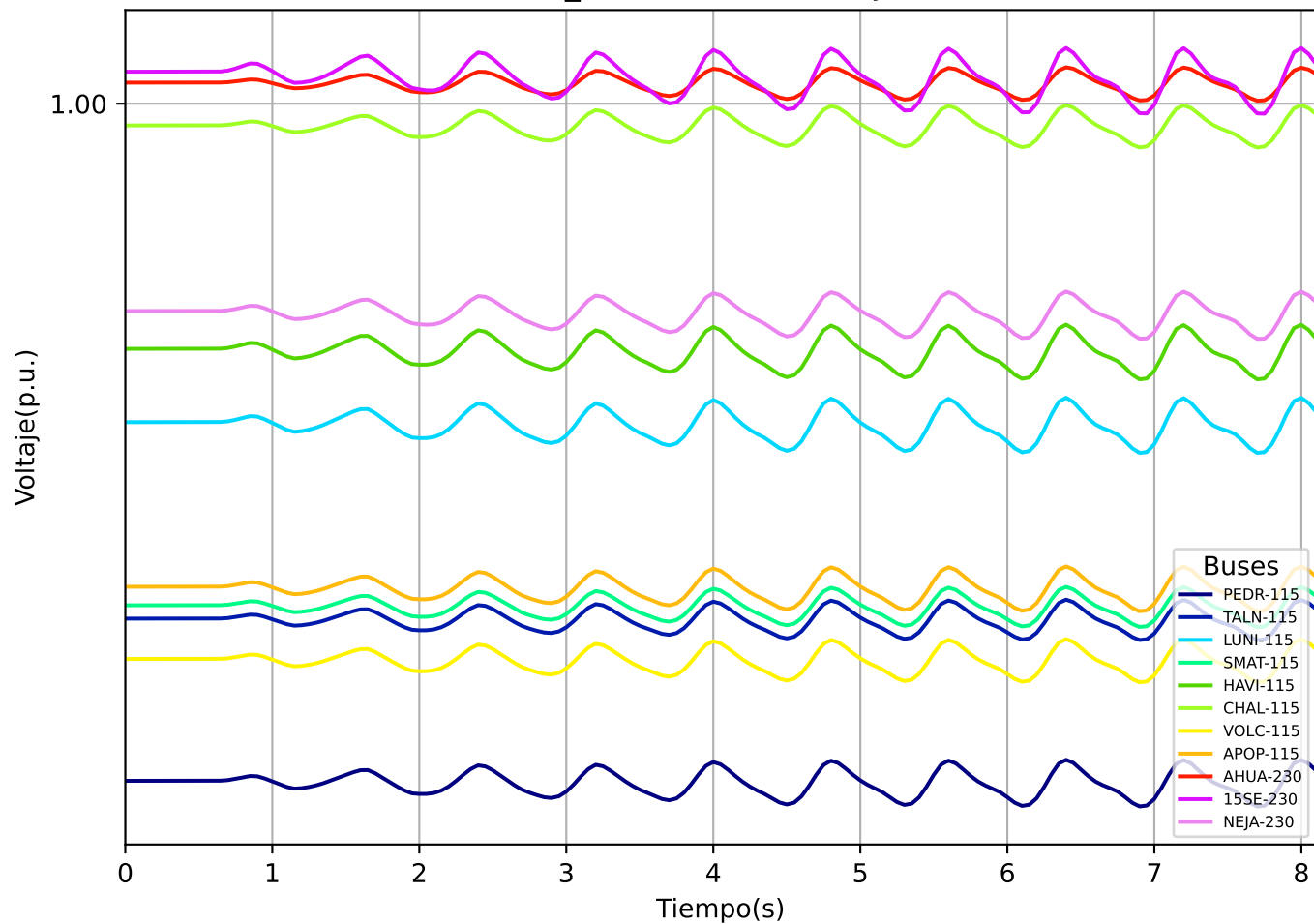
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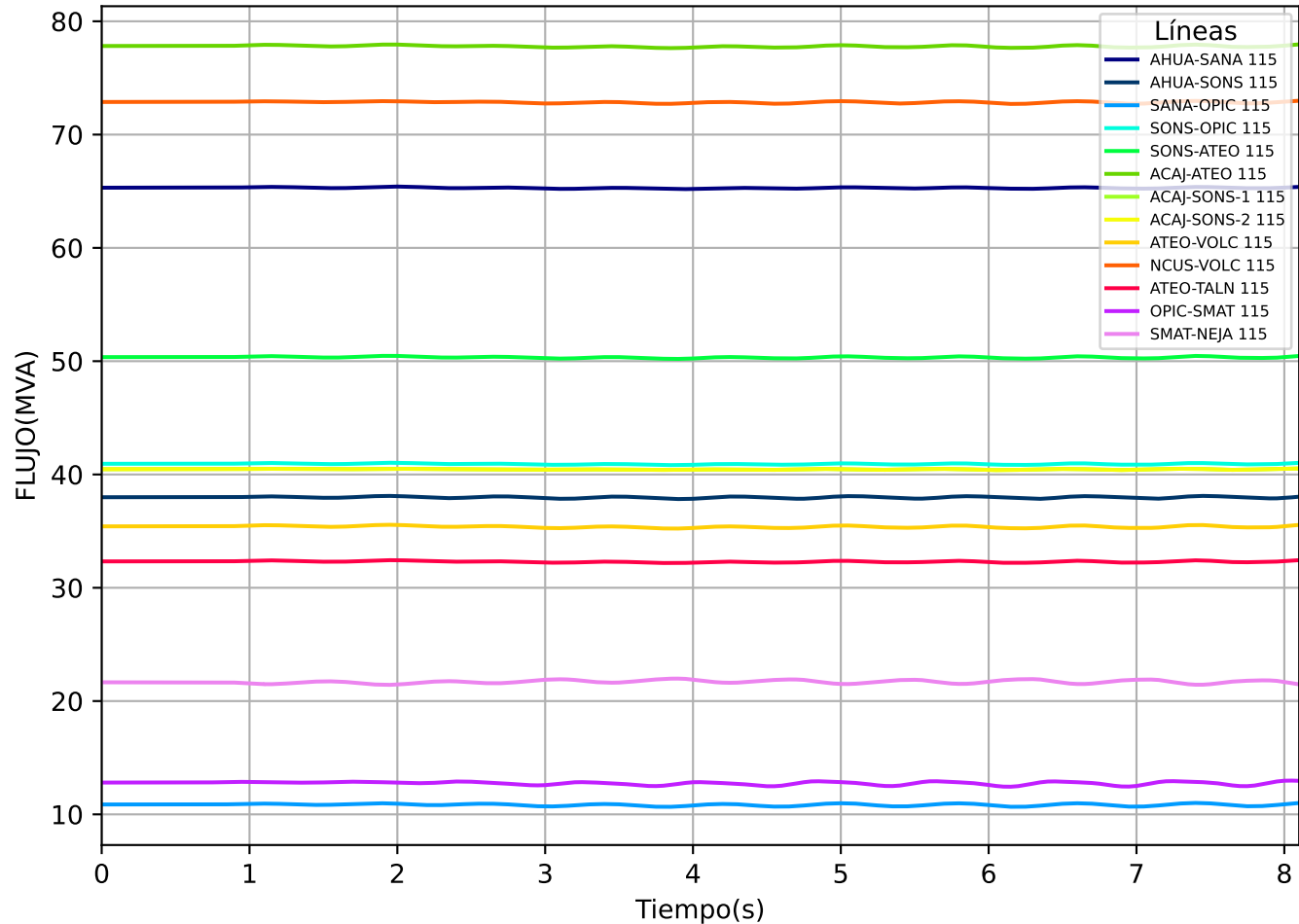
8

Tiempo(s)

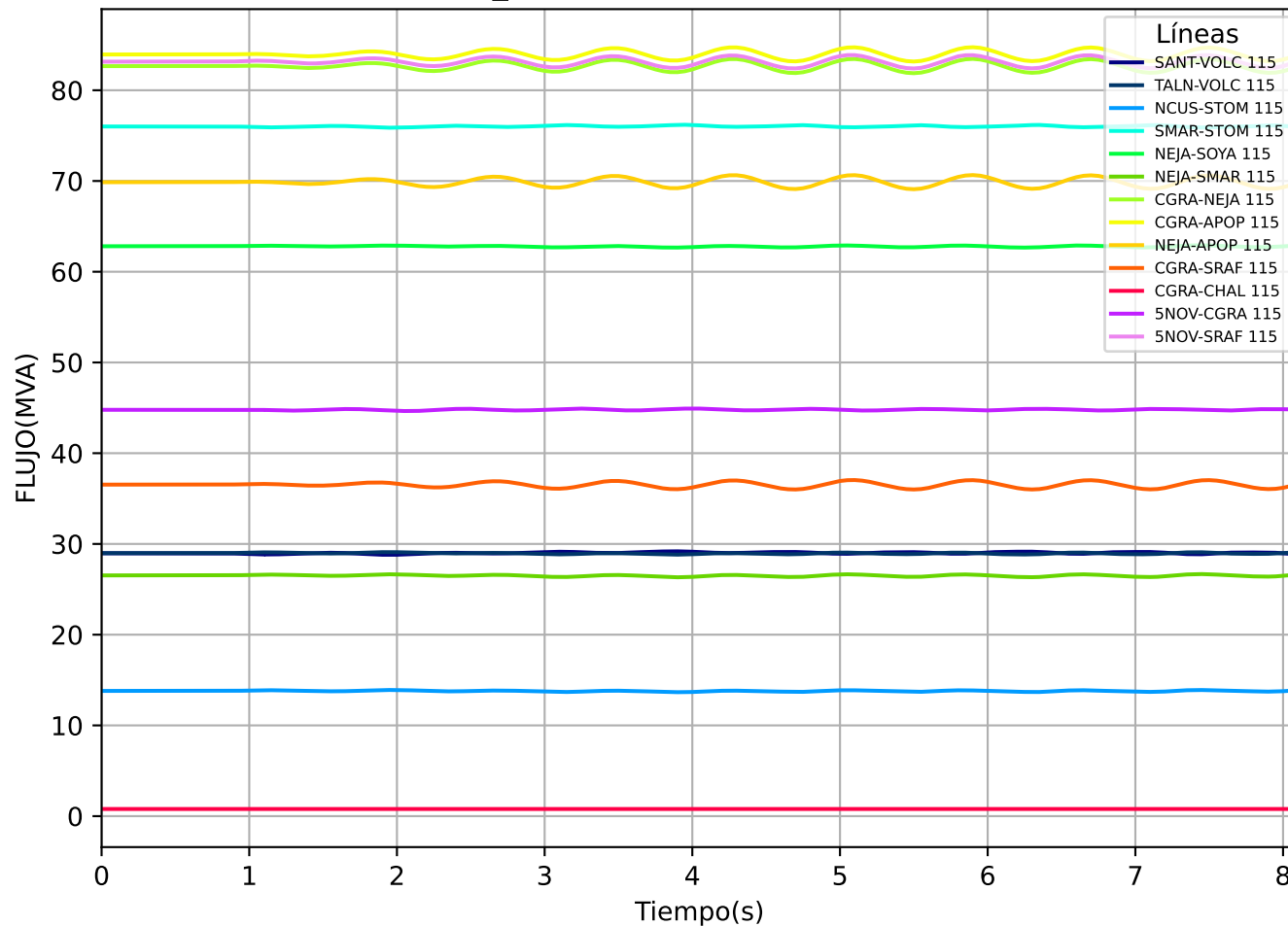
F44_NCUS-ATEO: VOLTAJE 3



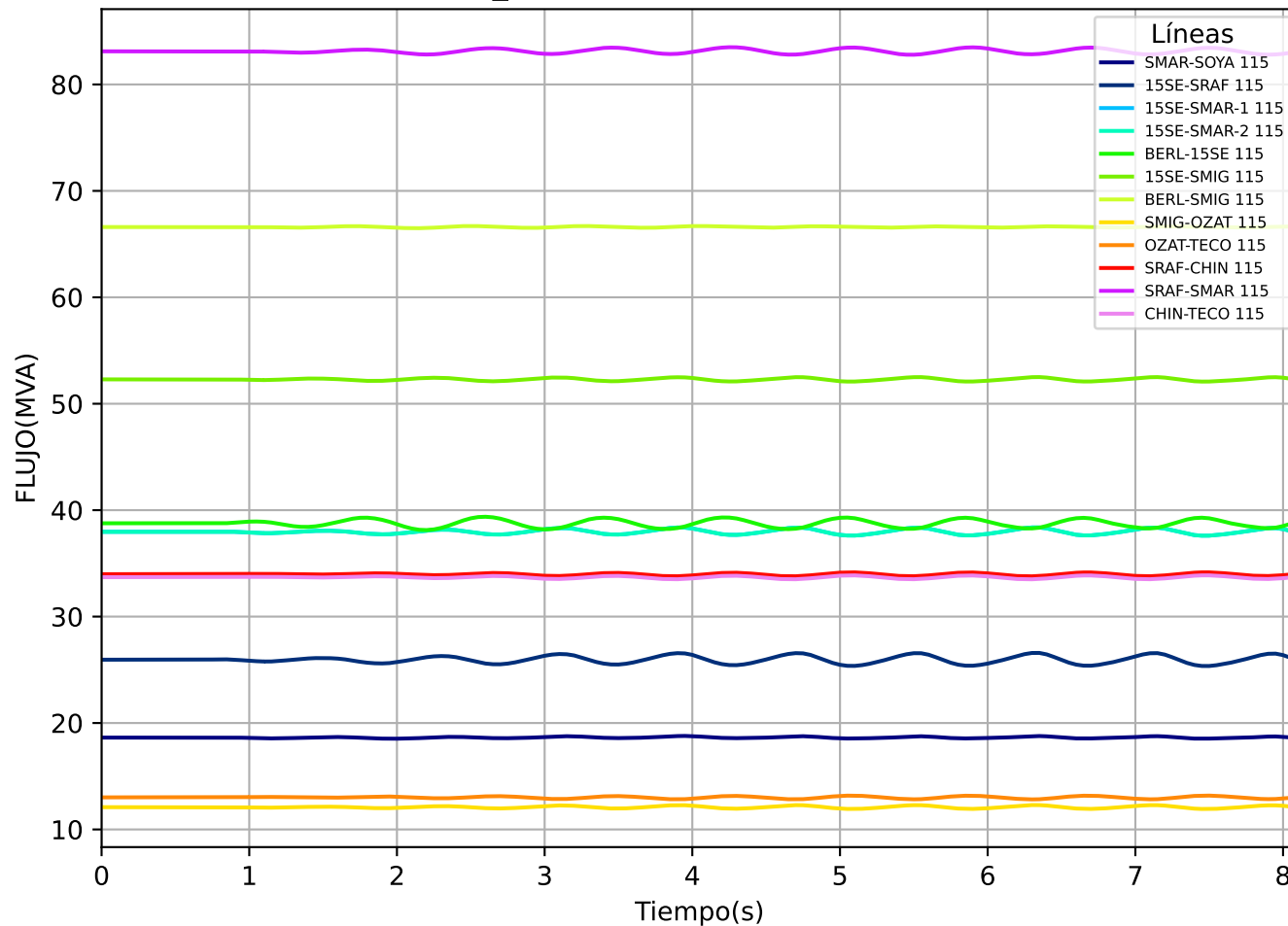
F44_NCUS-ATEO: FLUJO L-115kV 1



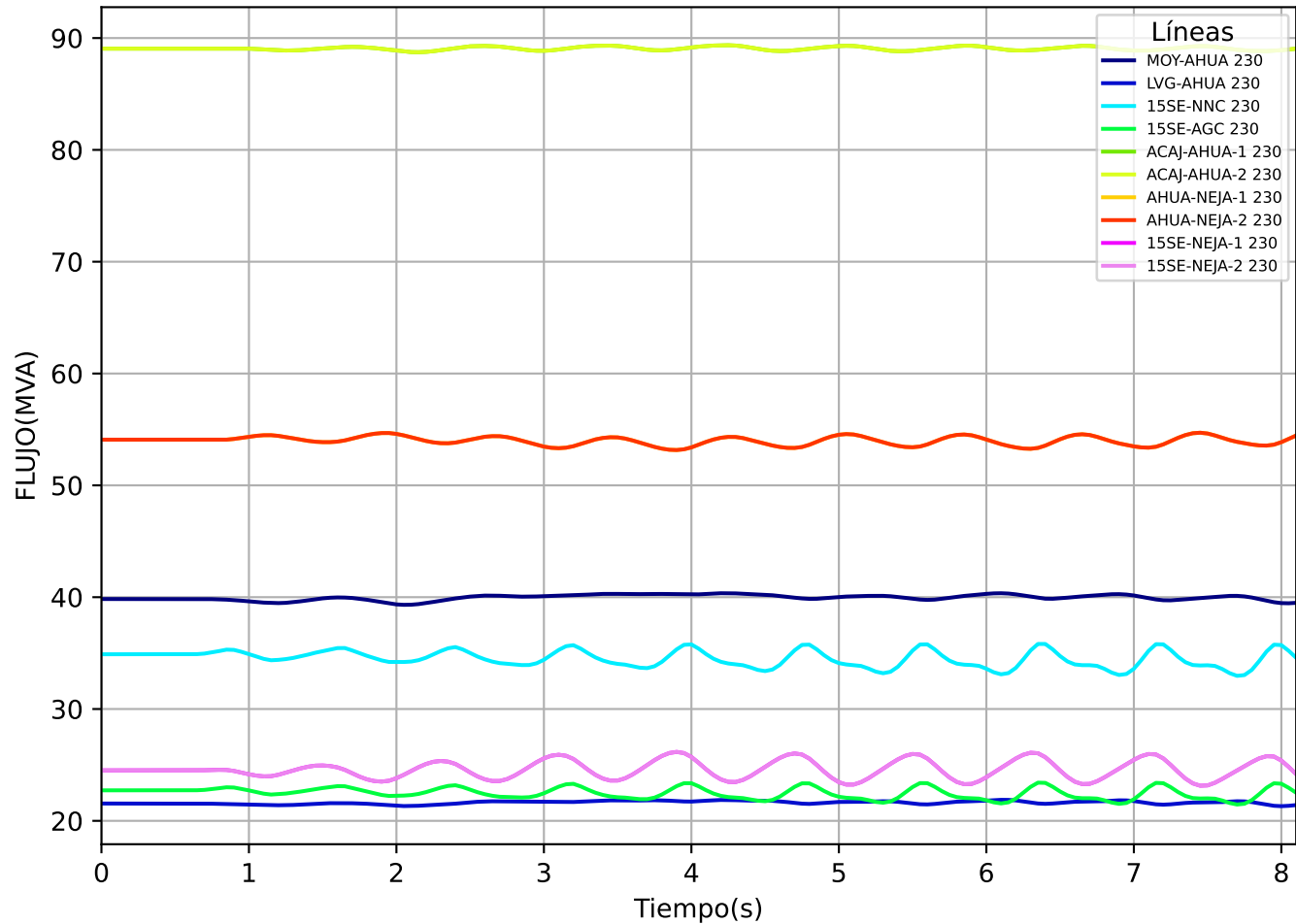
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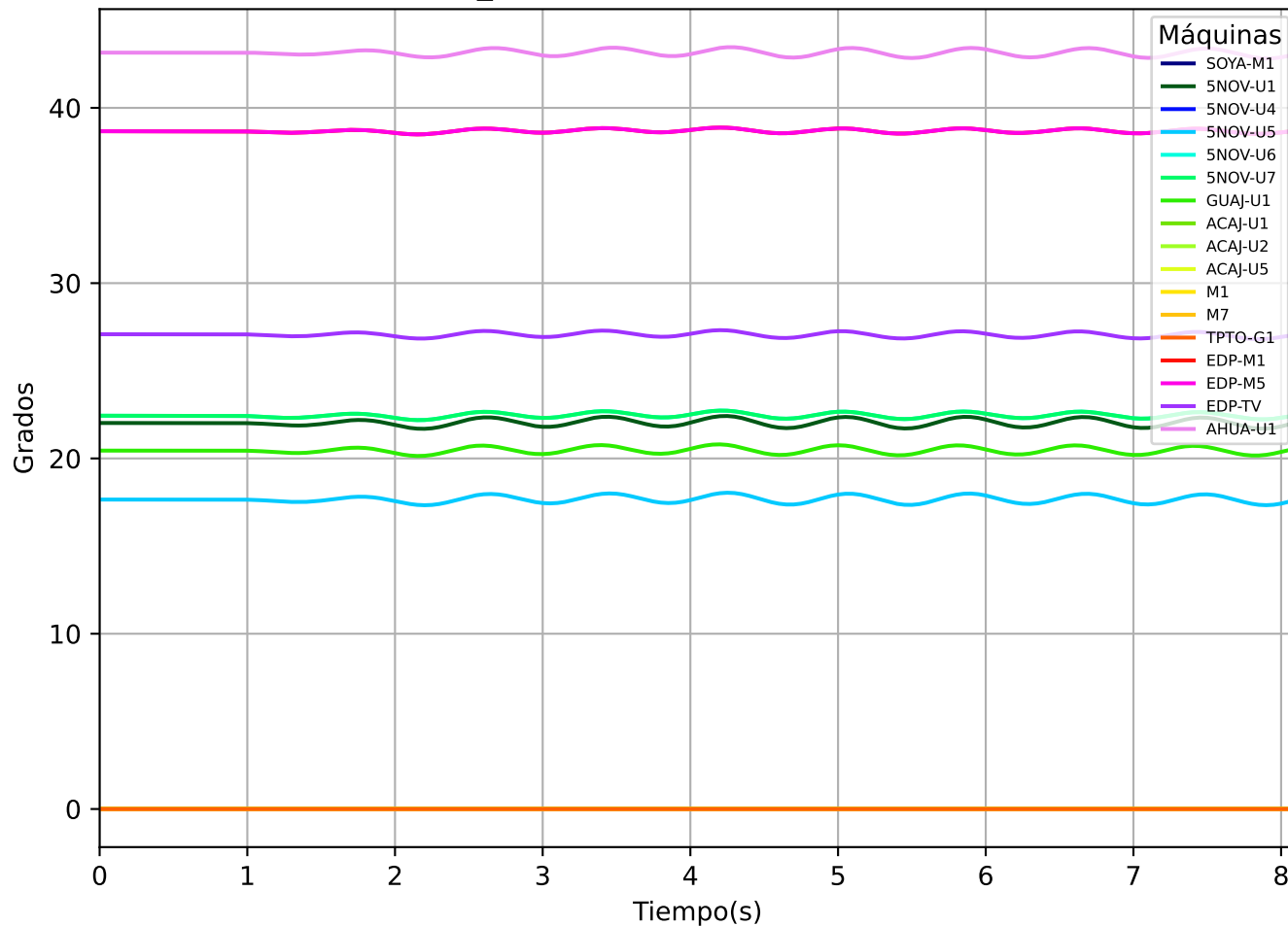
F44_NCUS-ATEO: FLUJO L-115kV 3



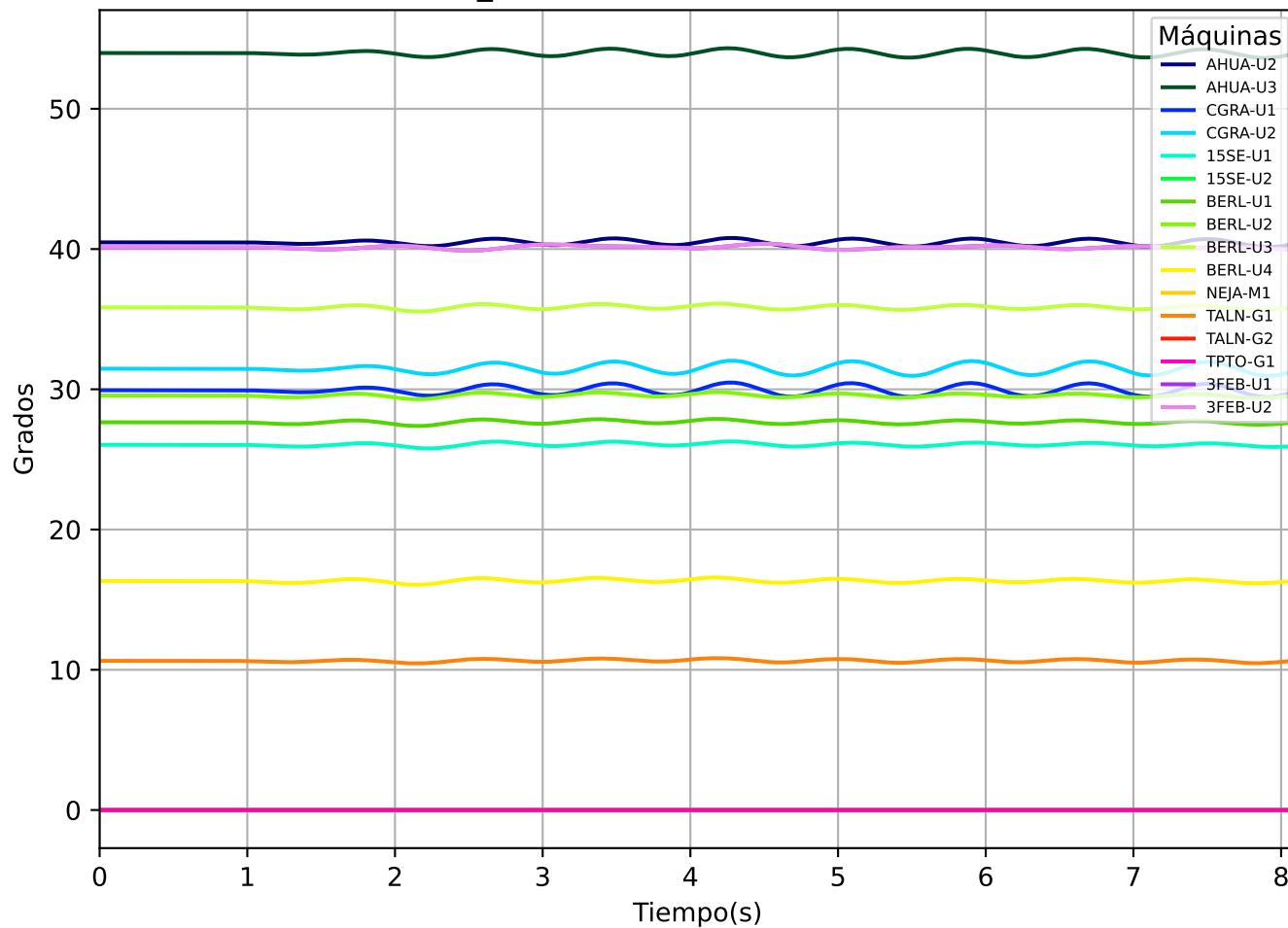
F44_NCUS-ATEO: FLUJO L-230kV 4



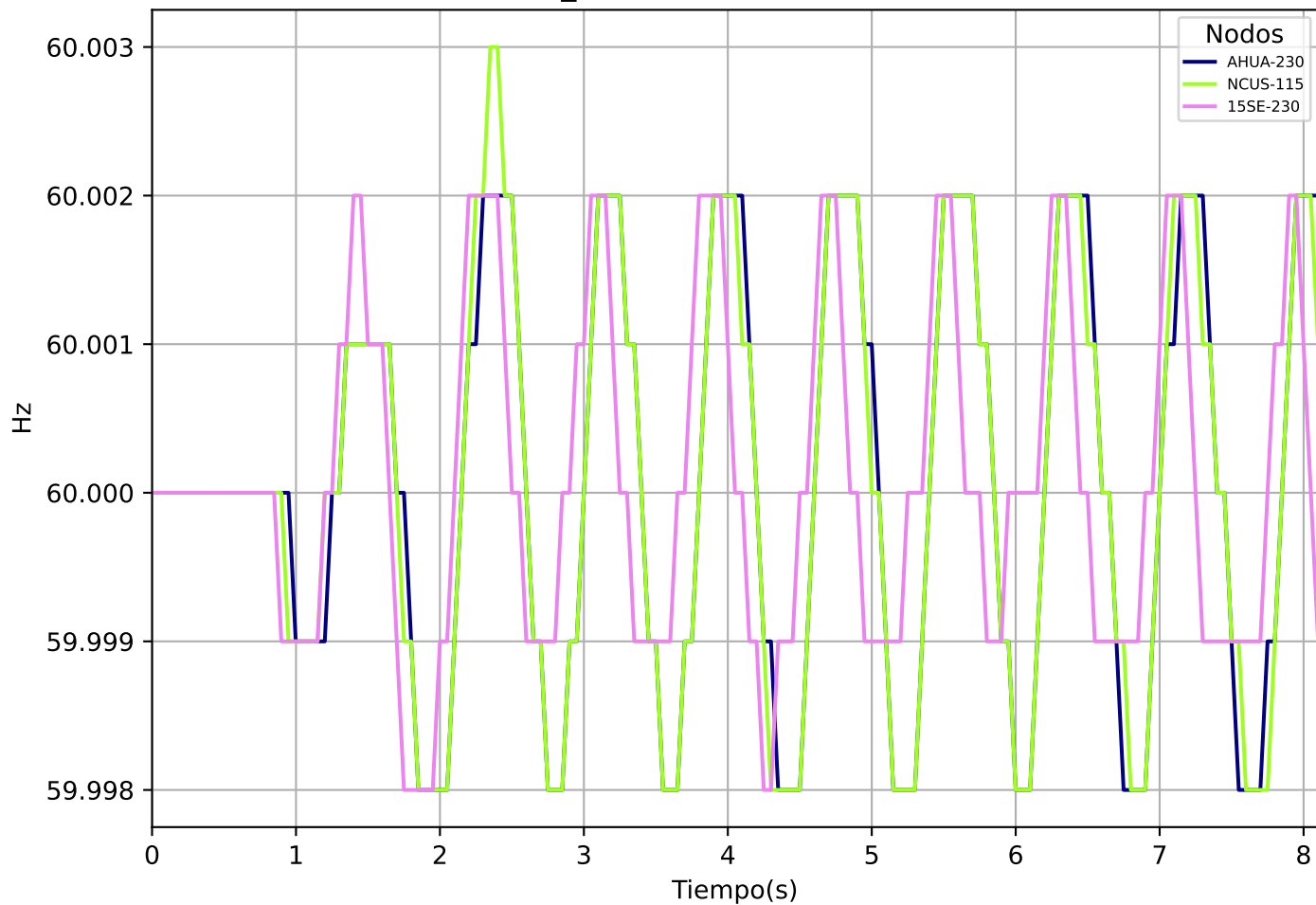
F44_NCUS-ATEO: ANGULO ROTOR 1



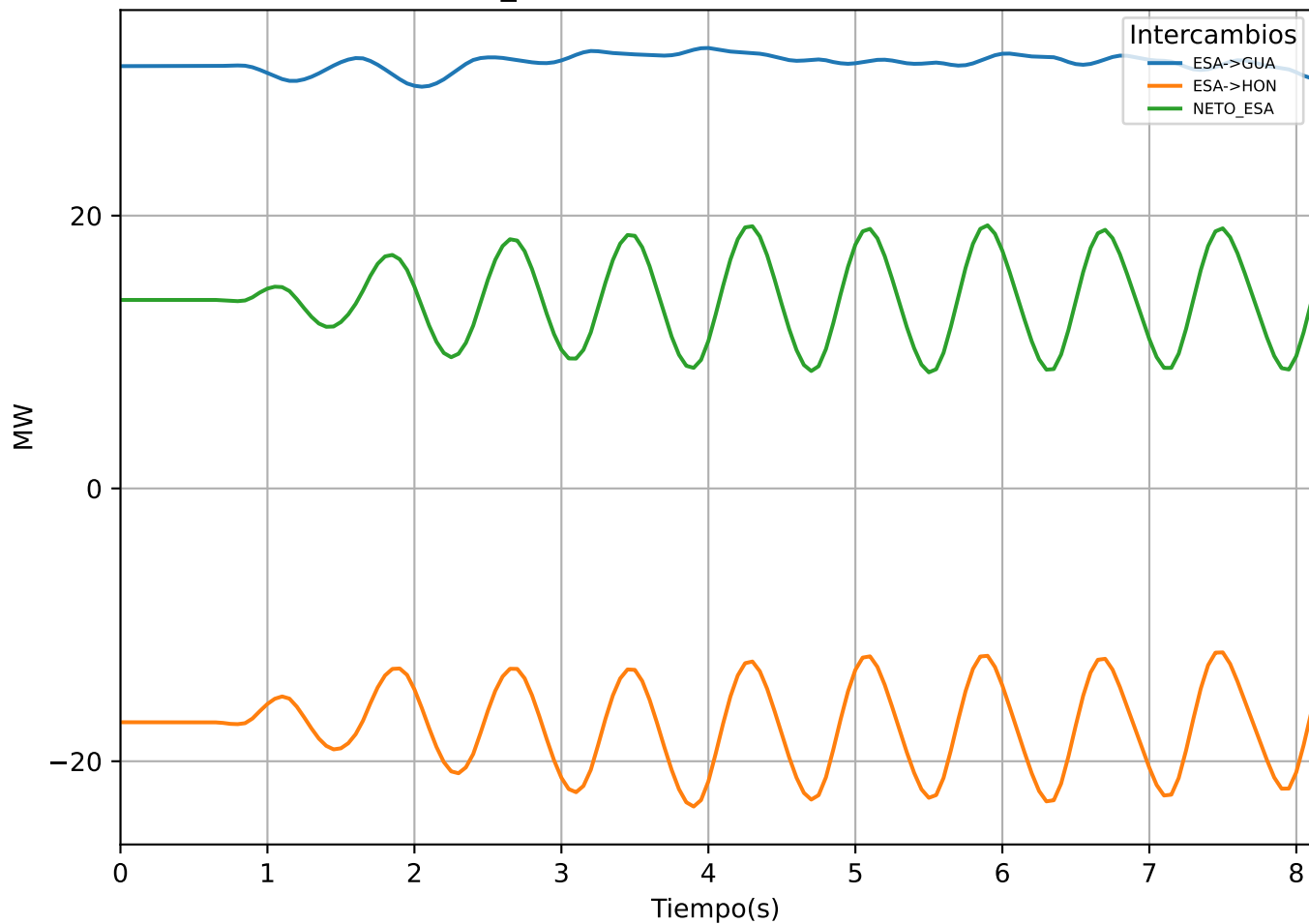
F44_NCUS-ATEO: ANGULO ROTOR 2



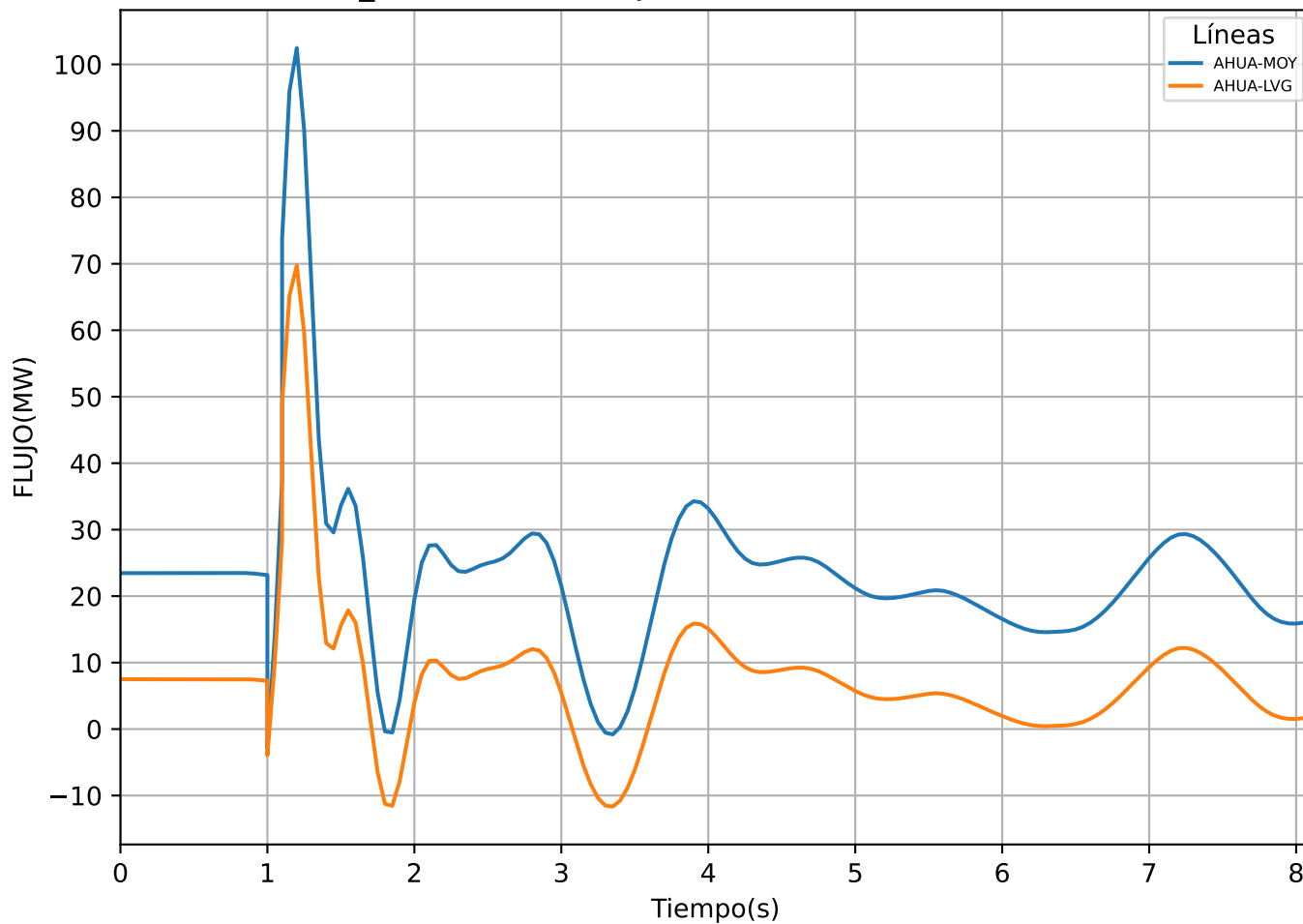
F44_NCUS-ATEO: FRECUENCIA



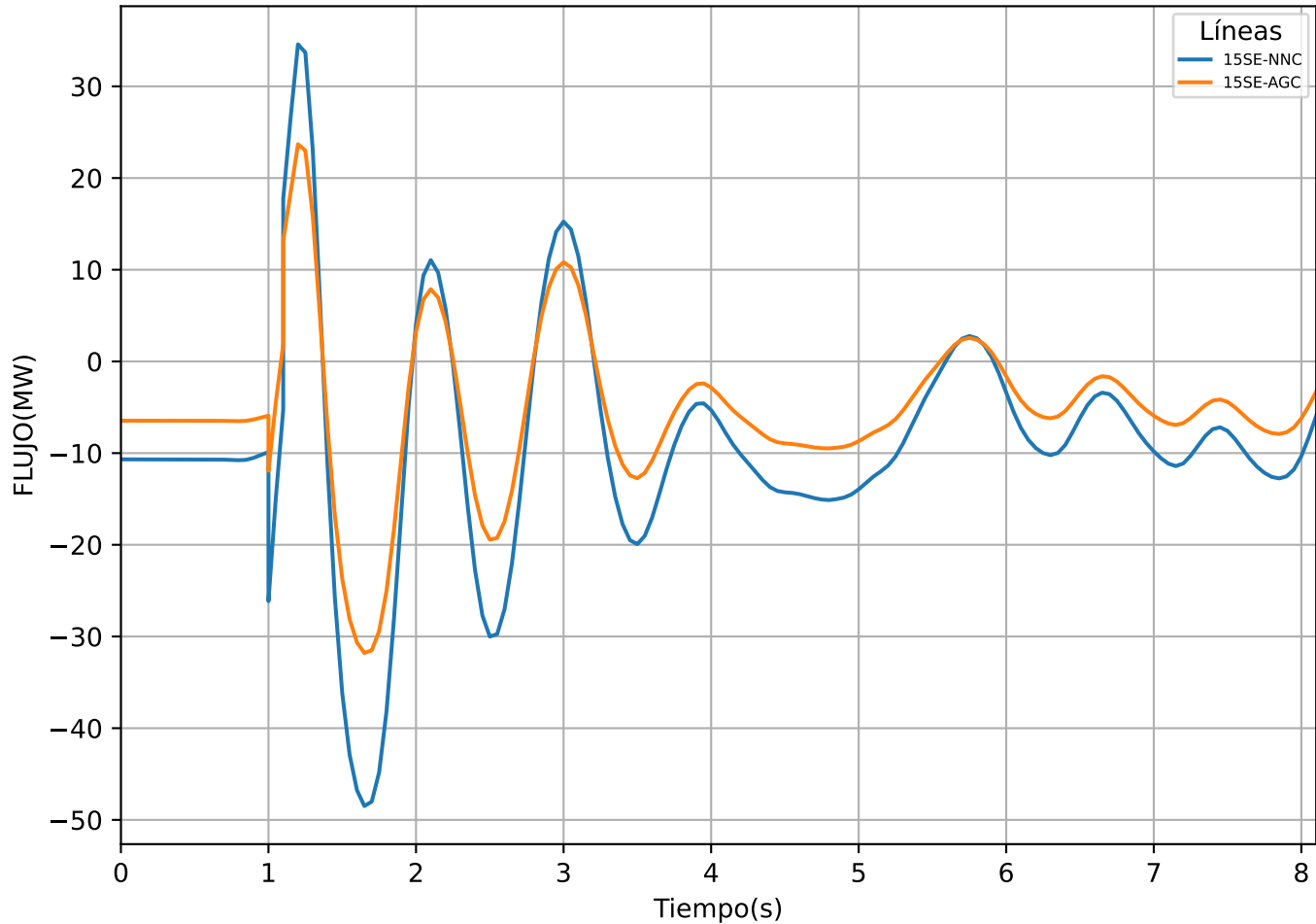
F44_NCUS-ATEO: Intercambios ESA



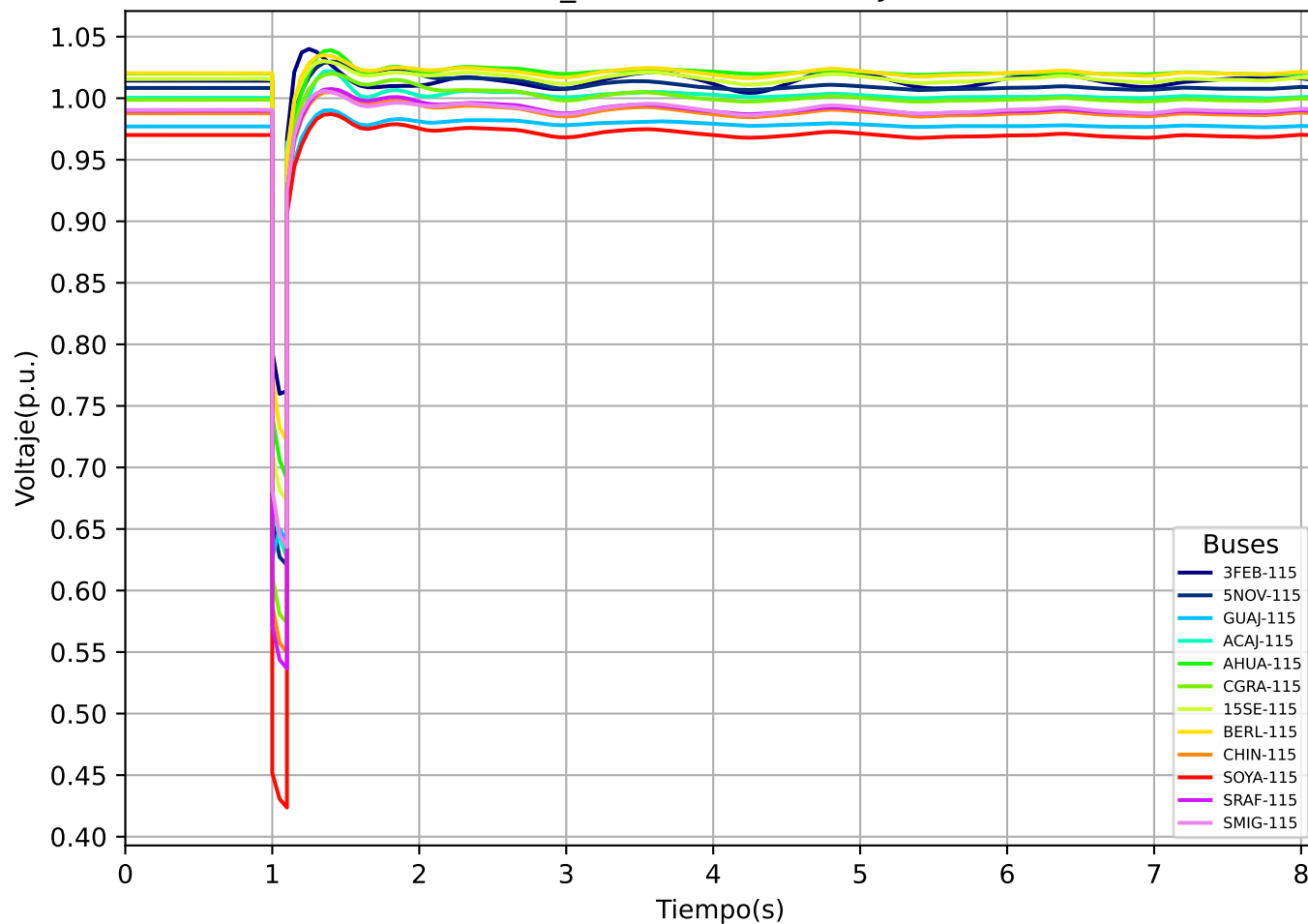
F45_NCUS-STOM: FLUJO INTERCONEXIONES ESA-GUA



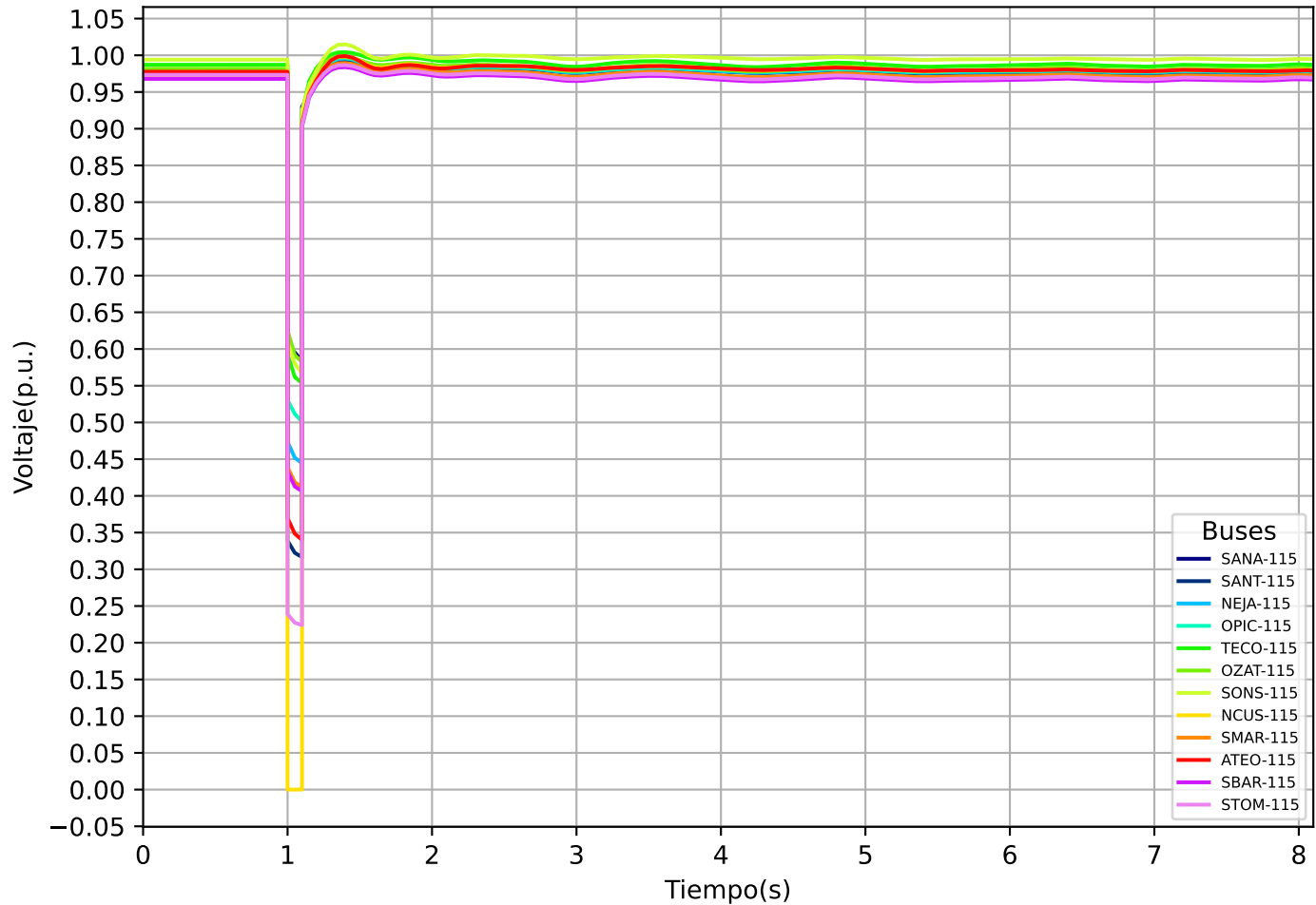
F45_NCUS-STOM: FLUJO INTERCONEXIONES ESA-HON



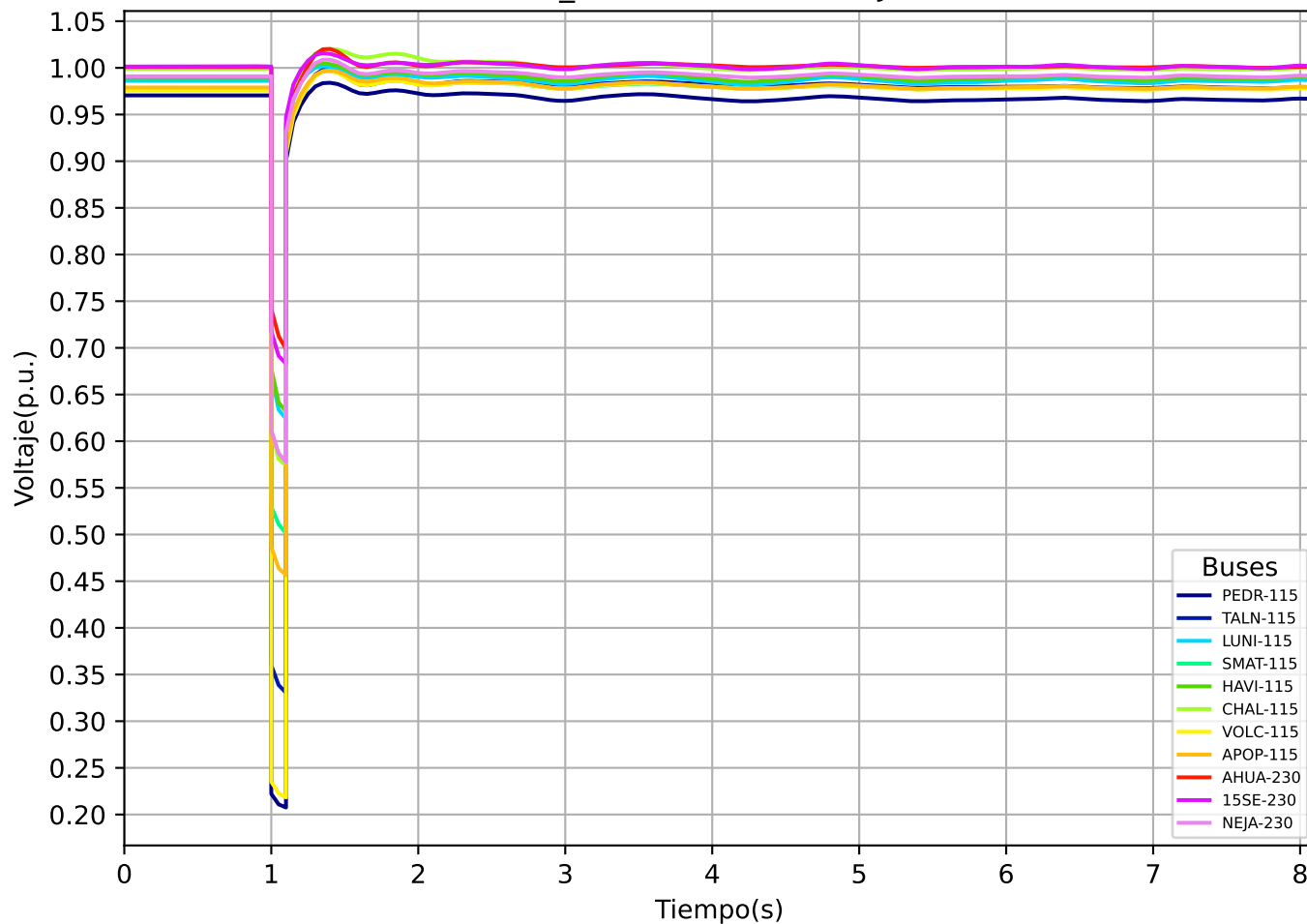
F45_NCUS-STOM: VOLTAJE 1



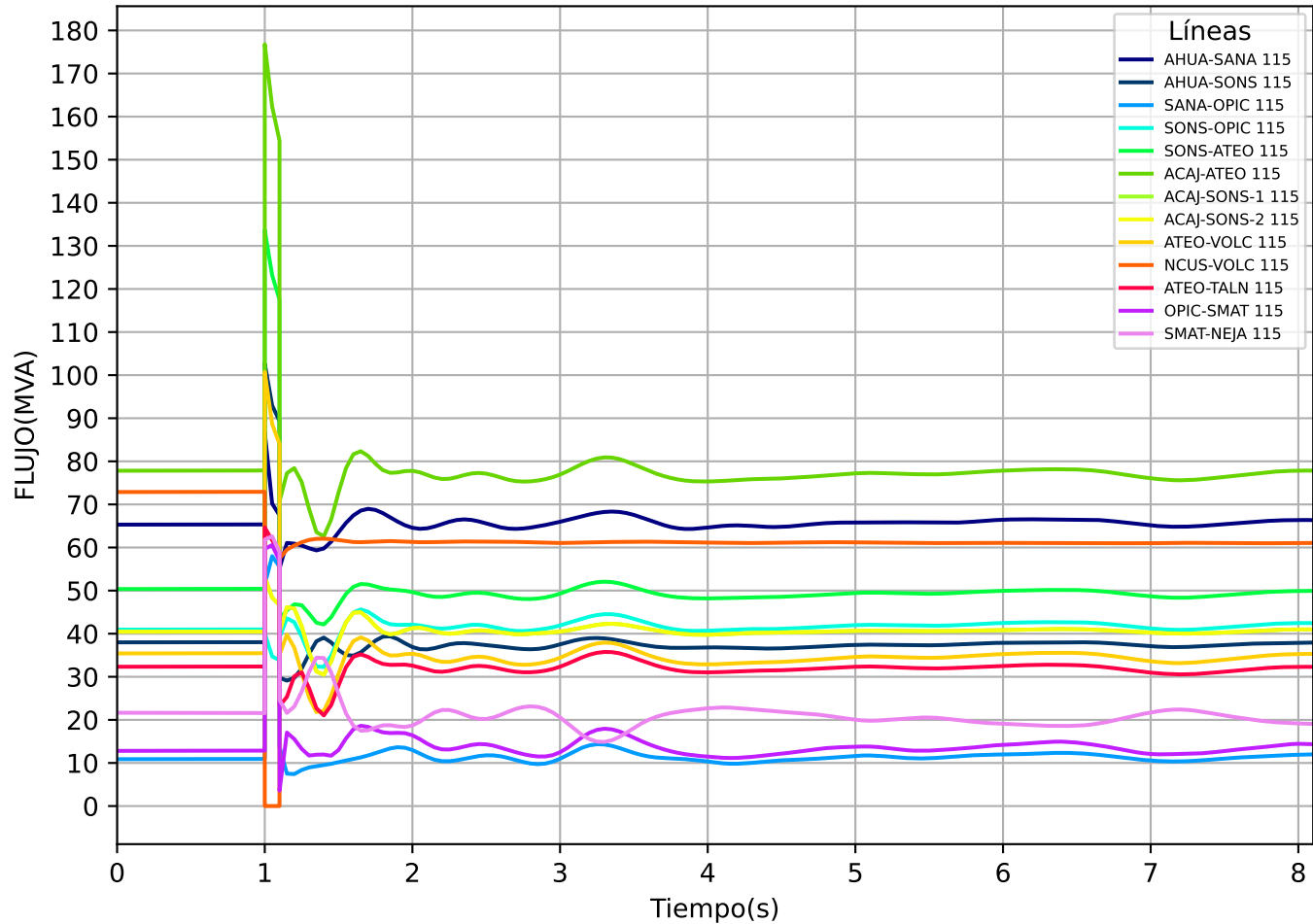
F45_NCUS-STOM: VOLTAJE 2



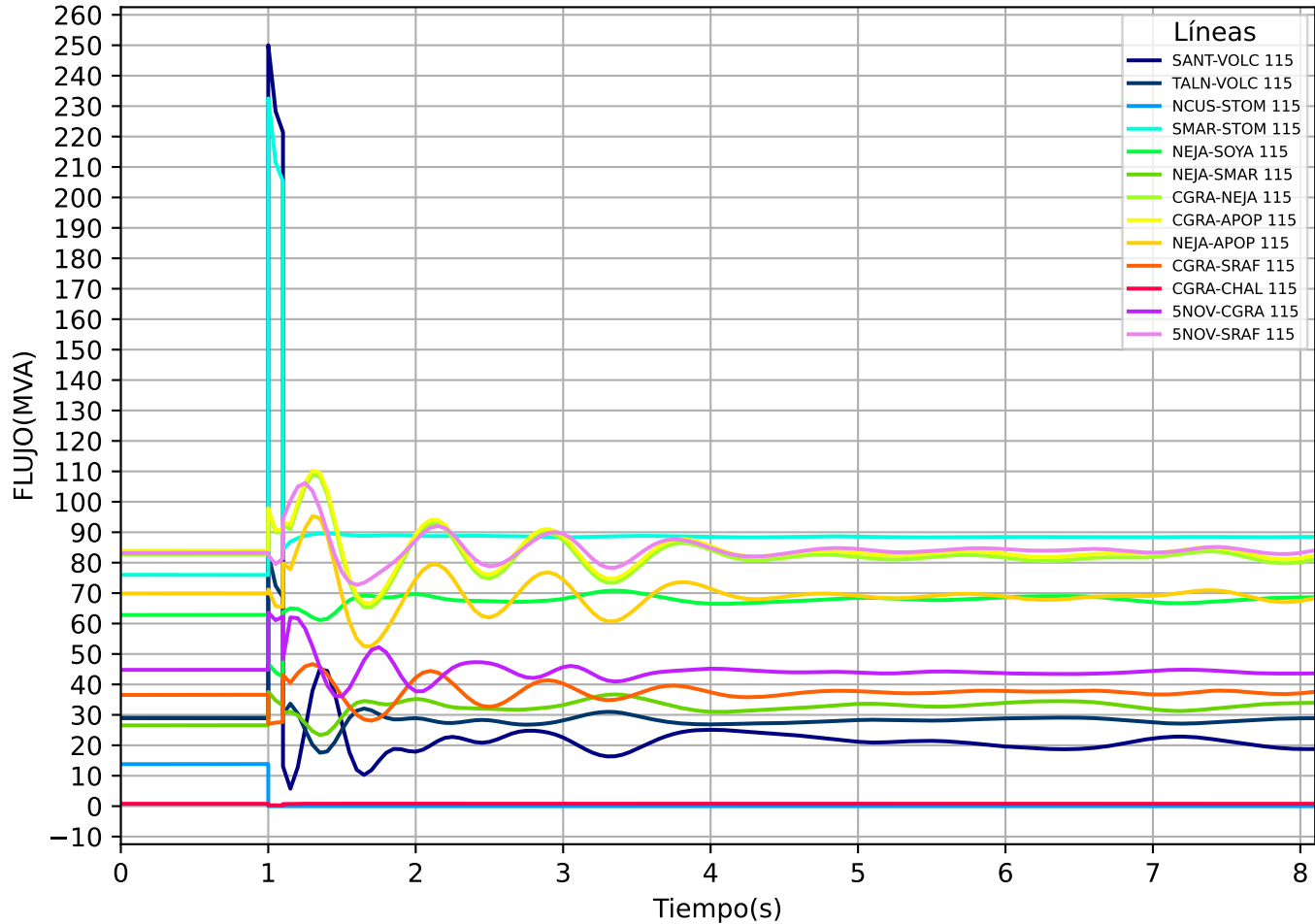
F45_NCUS-STOM: VOLTAJE 3



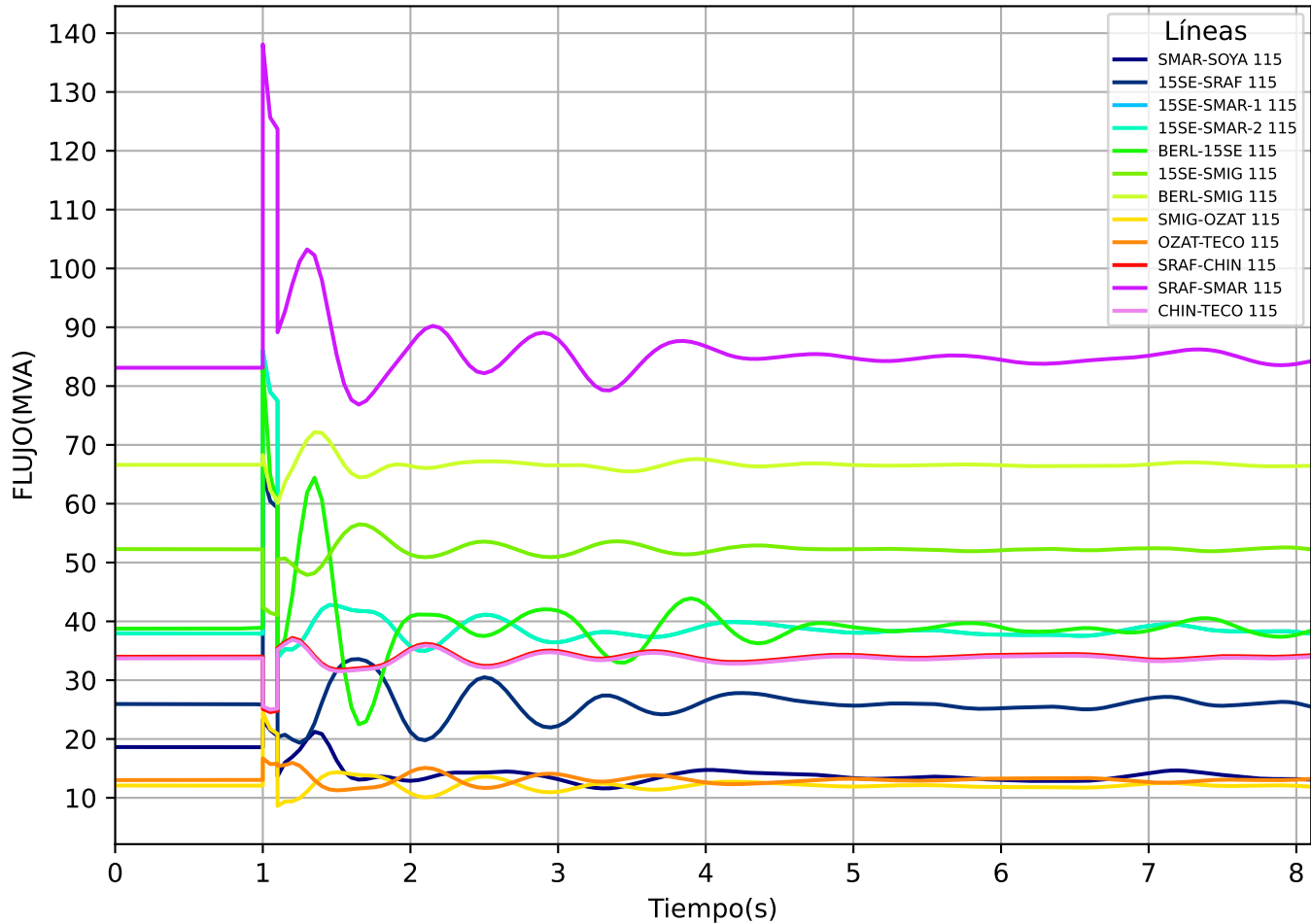
F45_NCUS-STOM: FLUJO L-115kV 1



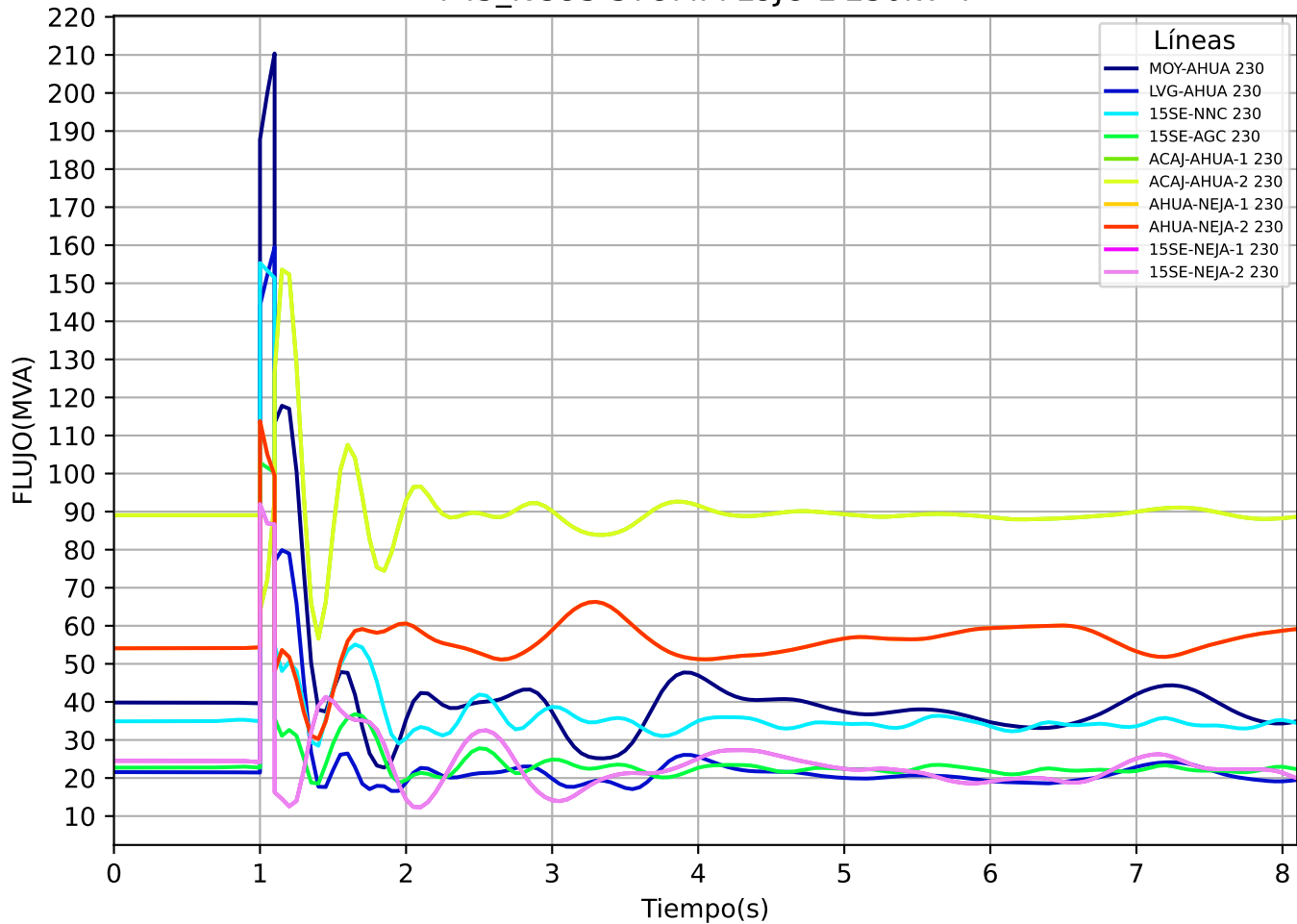
F45_NCUS-STOM: FLUJO L-115kV 2



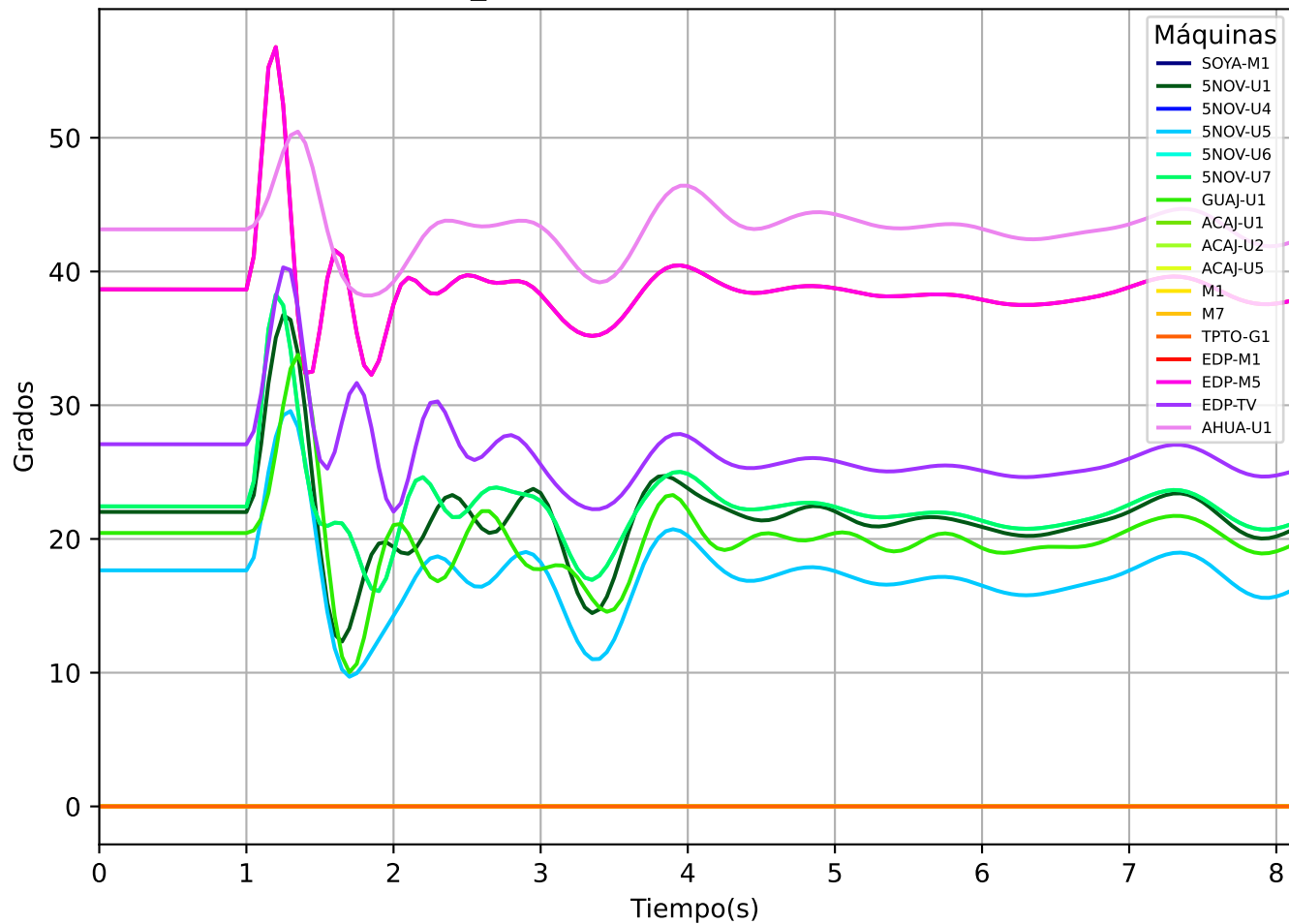
F45_NCUS-STOM: FLUJO L-115kV 3



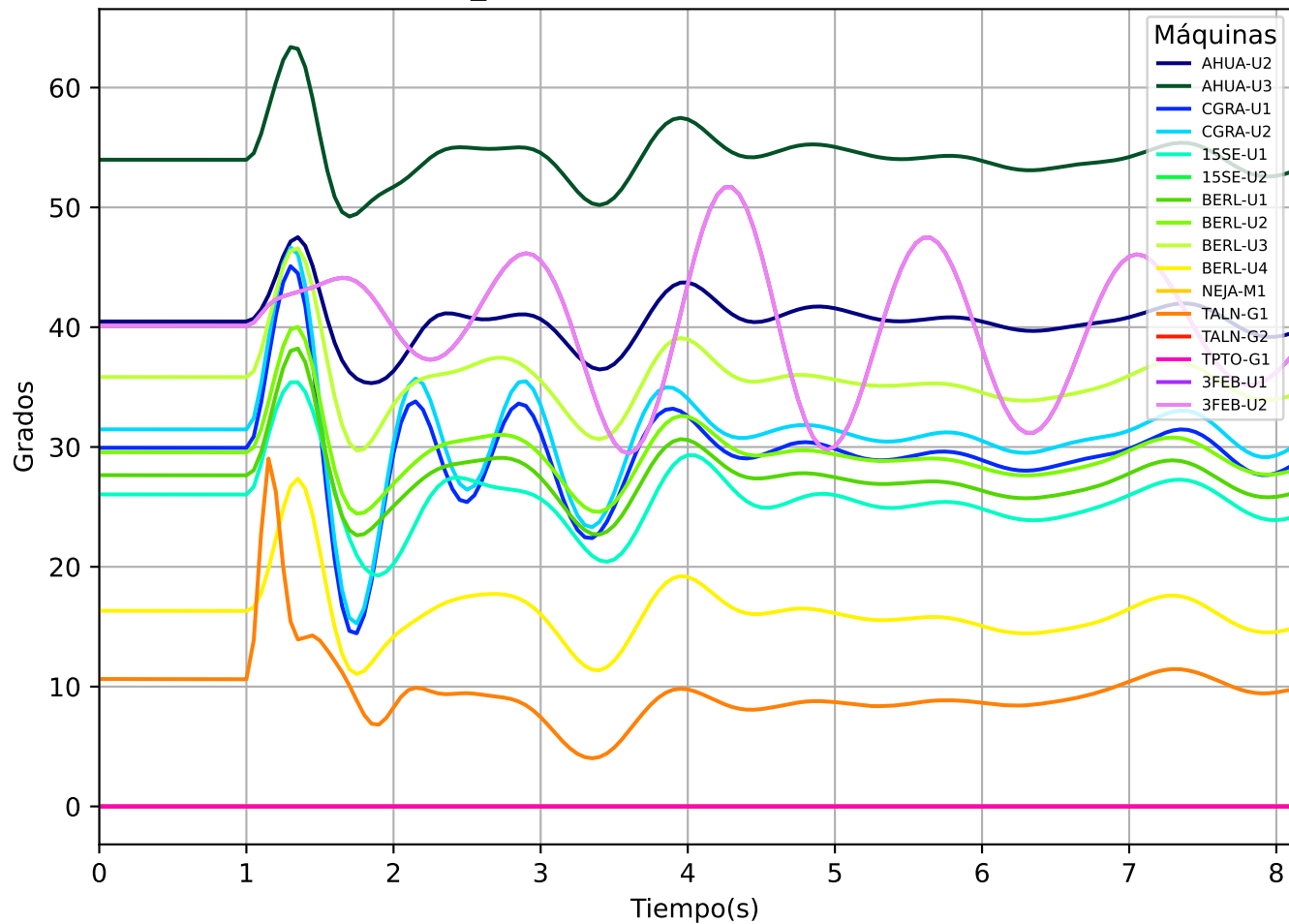
F45_NCUS-STOM: FLUJO L-230kV 4



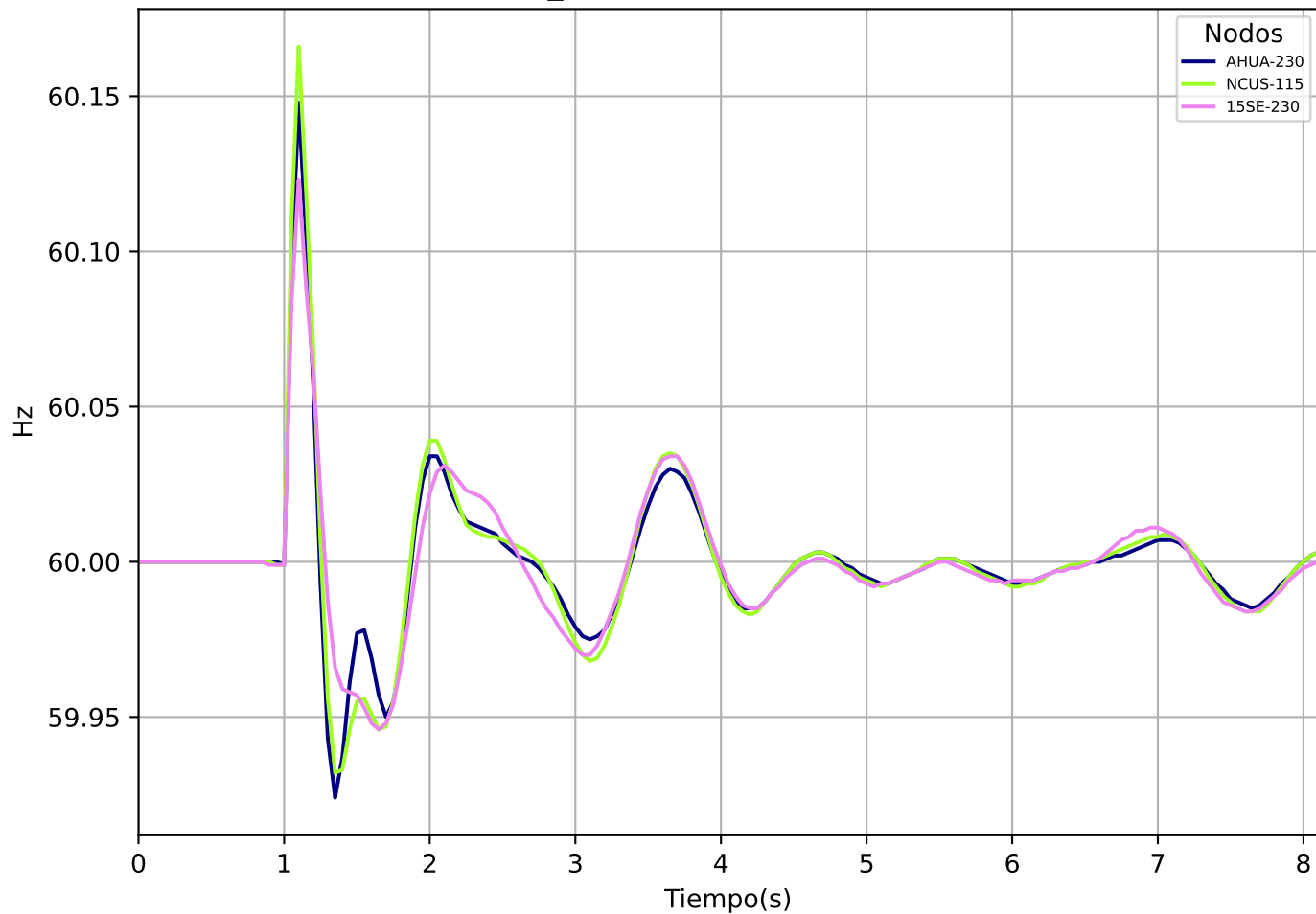
F45_NCUS-STOM: ANGULO ROTOR 1



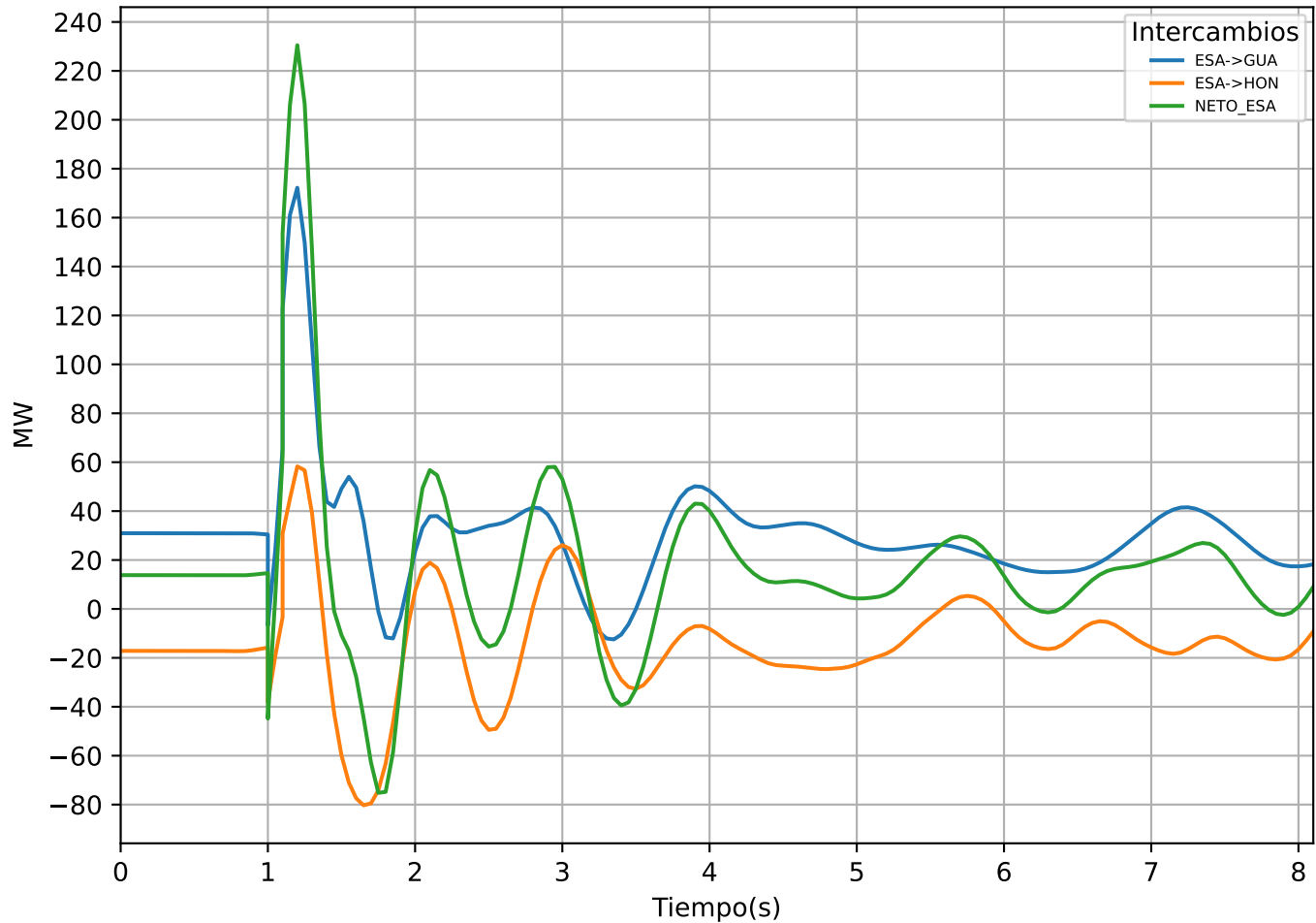
F45_NCUS-STOM: ANGULO ROTOR 2



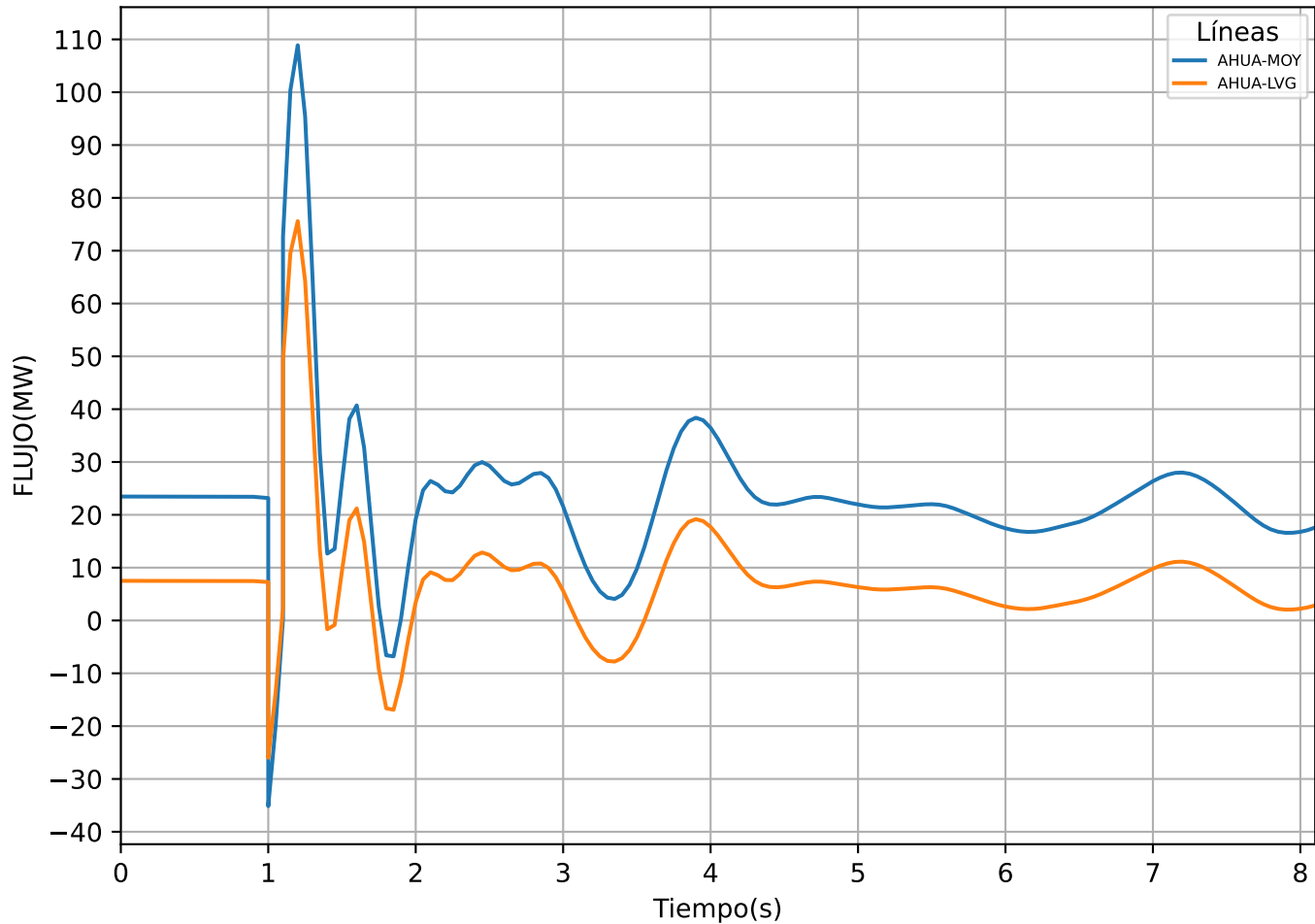
F45_NCUS-STOM: FRECUENCIA



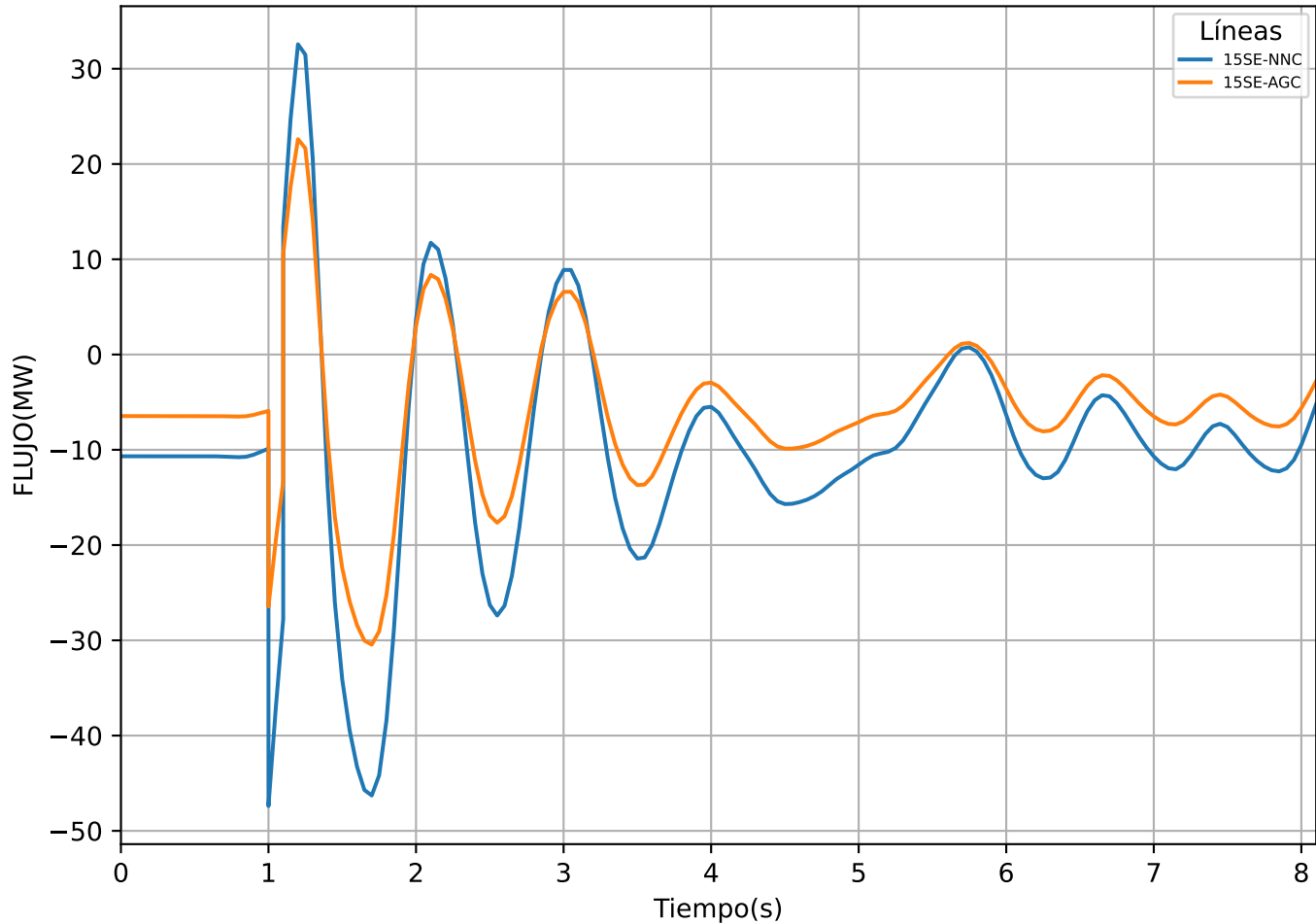
F45_NCUS-STOM: Intercambios ESA



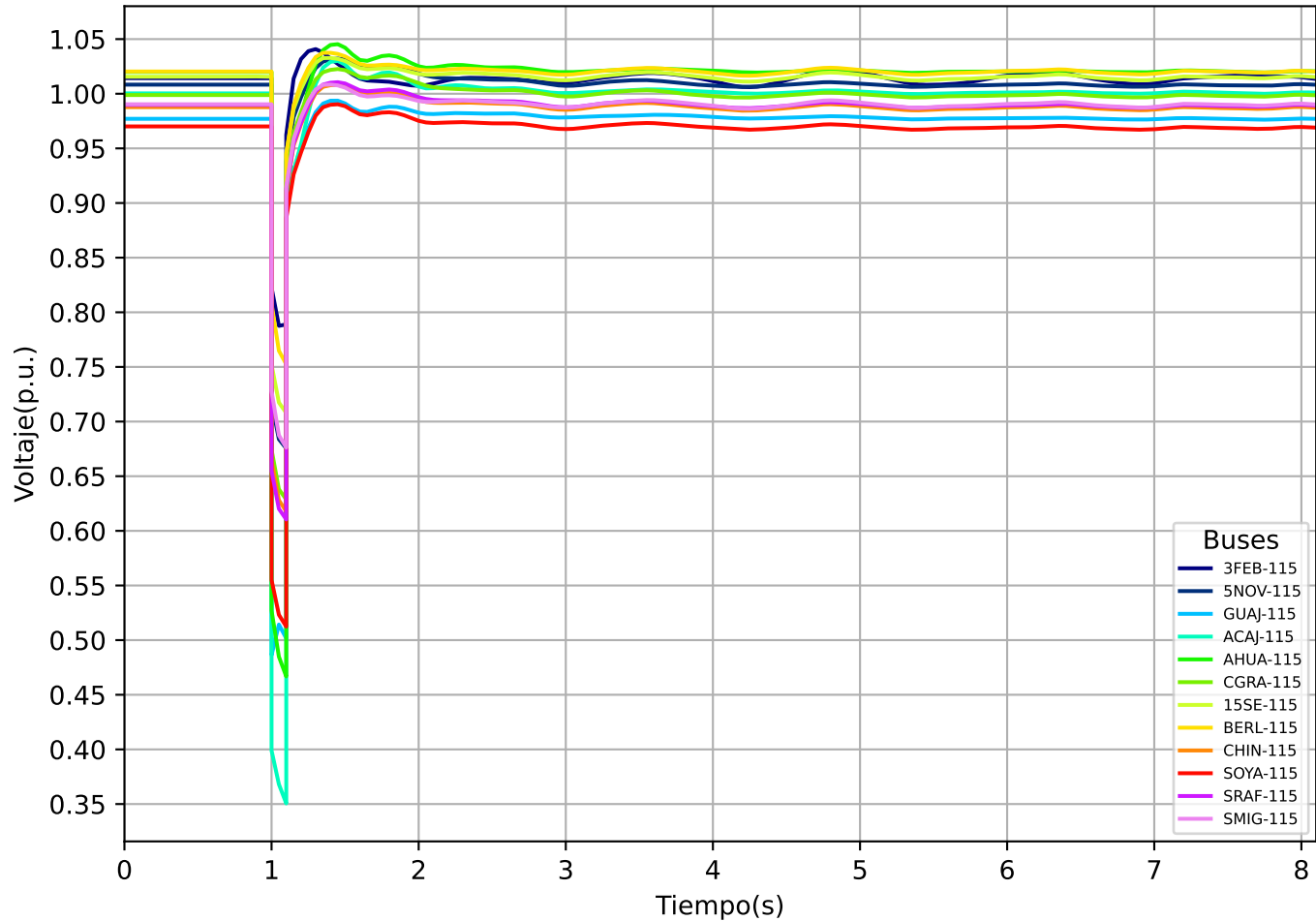
F46_SONS-ATEO: FLUJO INTERCONEXIONES ESA-GUA



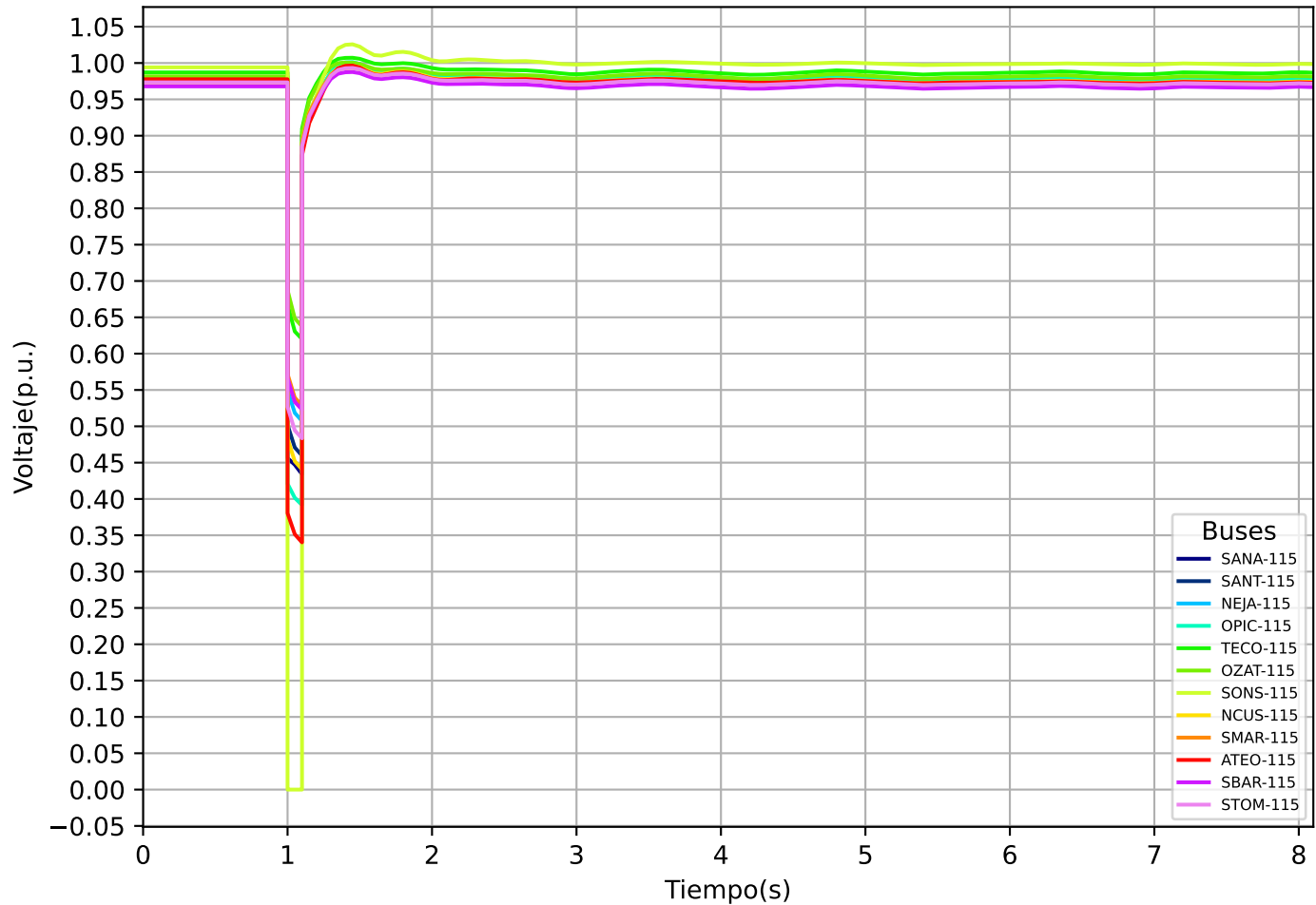
F46_SONS-ATEO: FLUJO INTERCONEXIONES ESA-HON



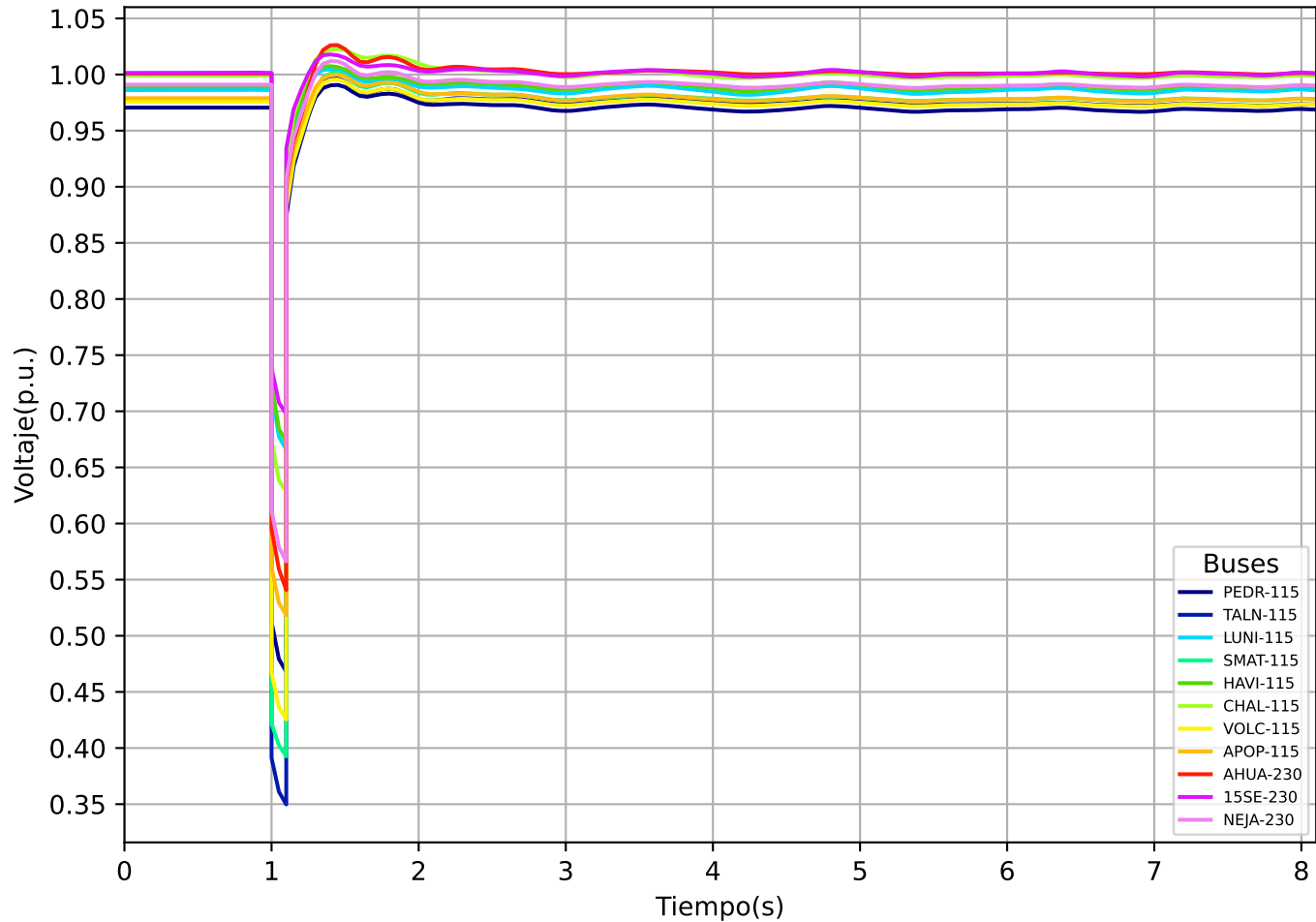
F46_SONS-ATEO: VOLTAJE 1



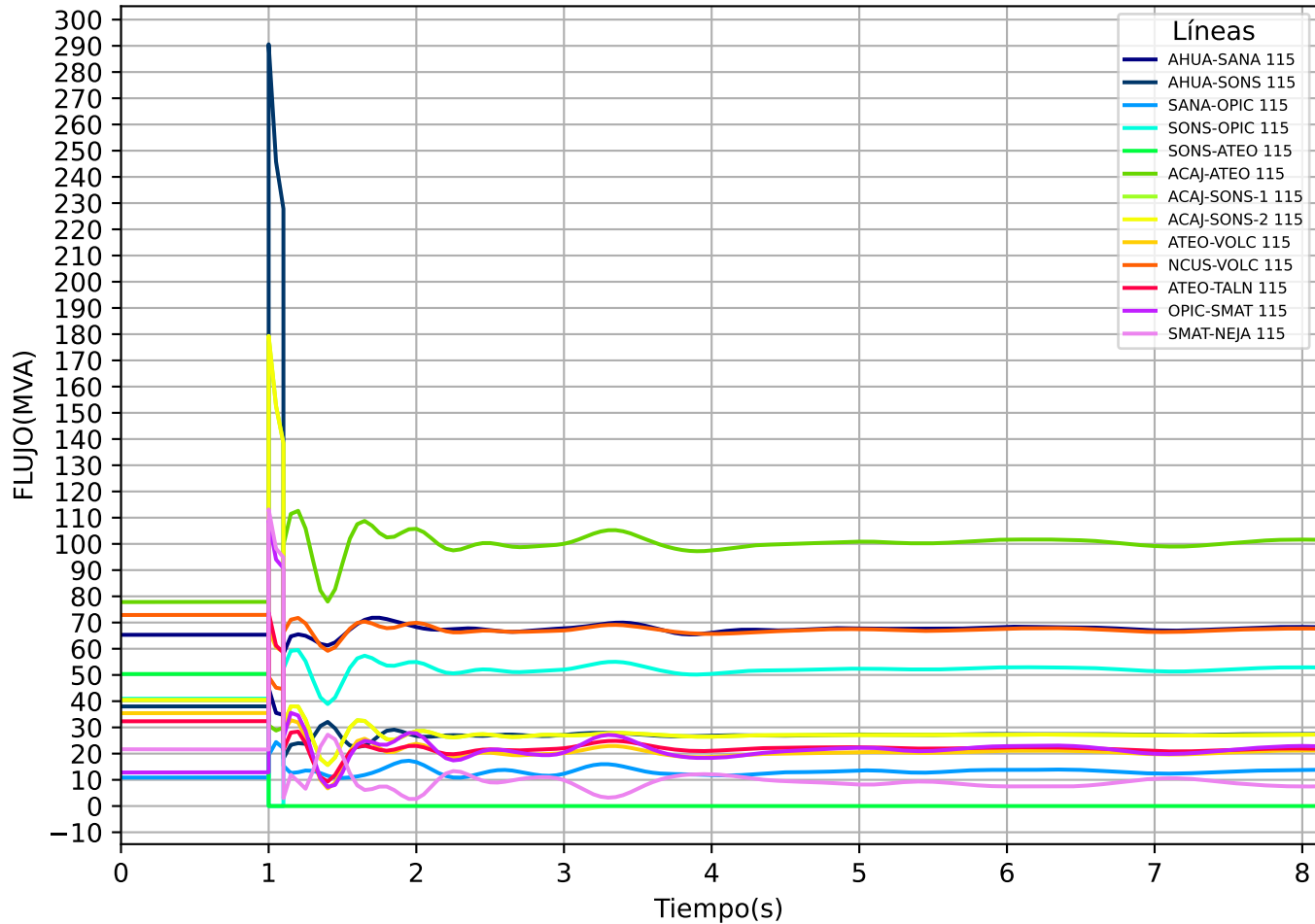
F46 SONS-ATEO: VOLTAJE 2



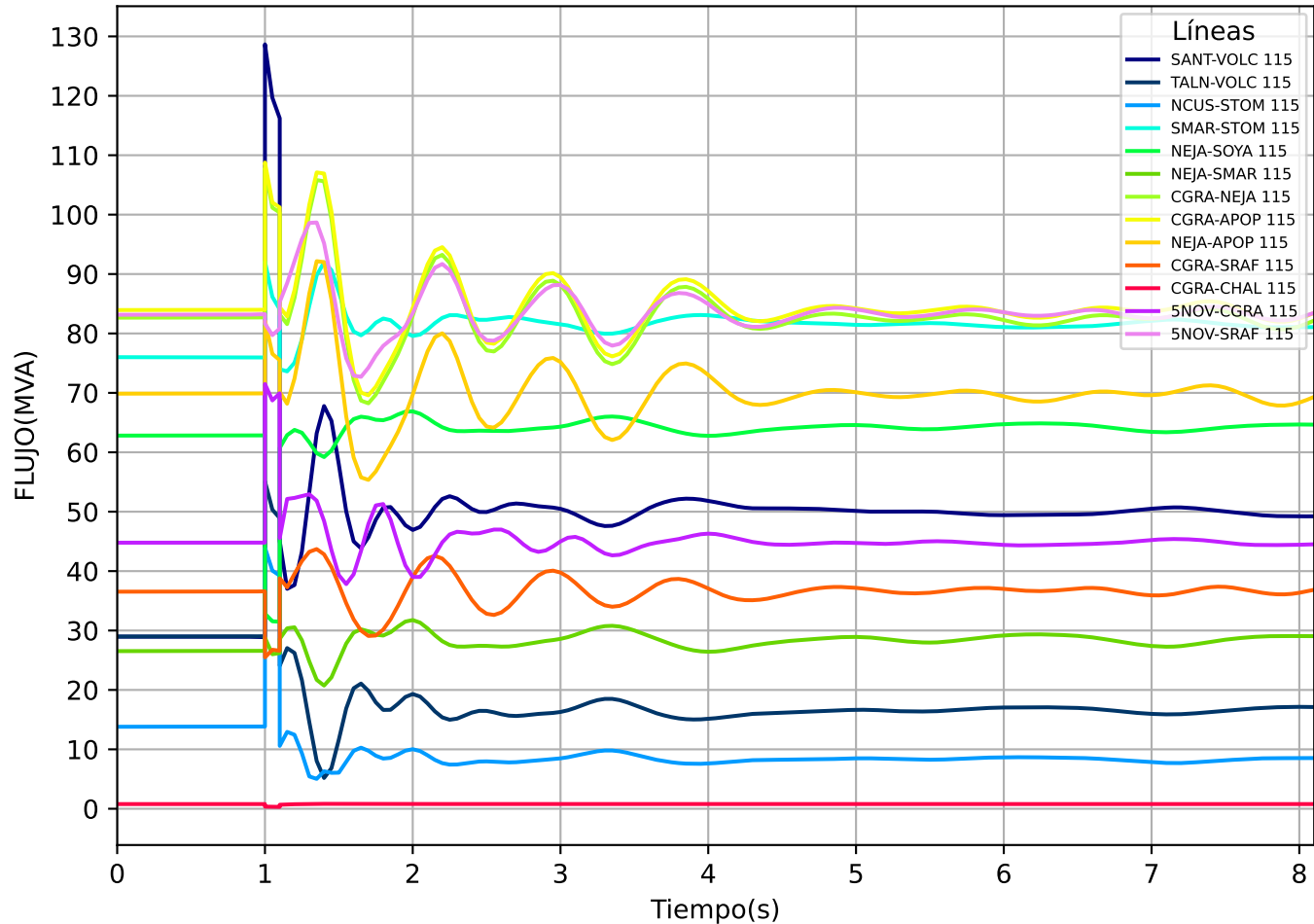
F46_SONS-ATEO: VOLTAJE 3



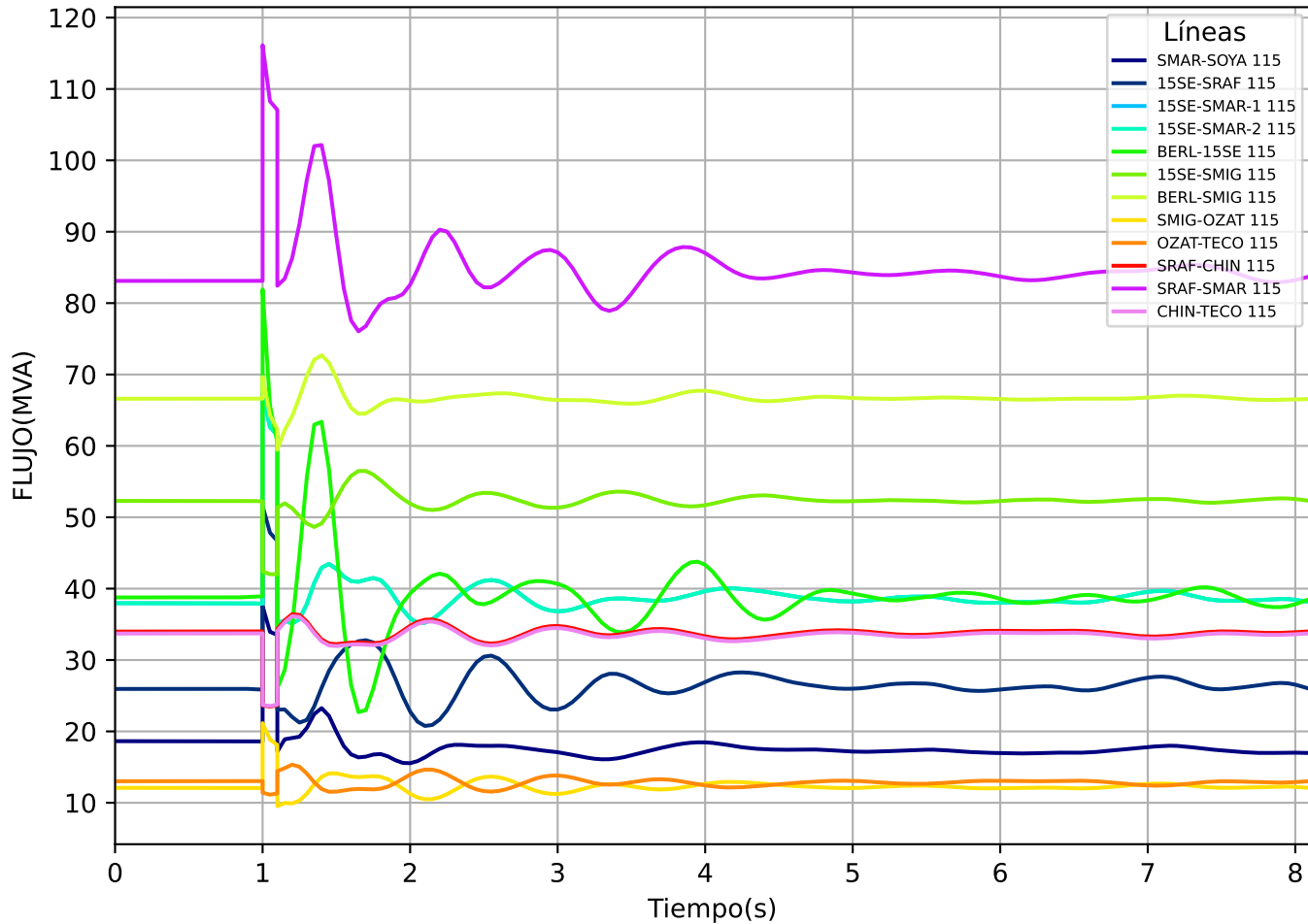
F46_SONS-ATEO: FLUJO L-115kV 1



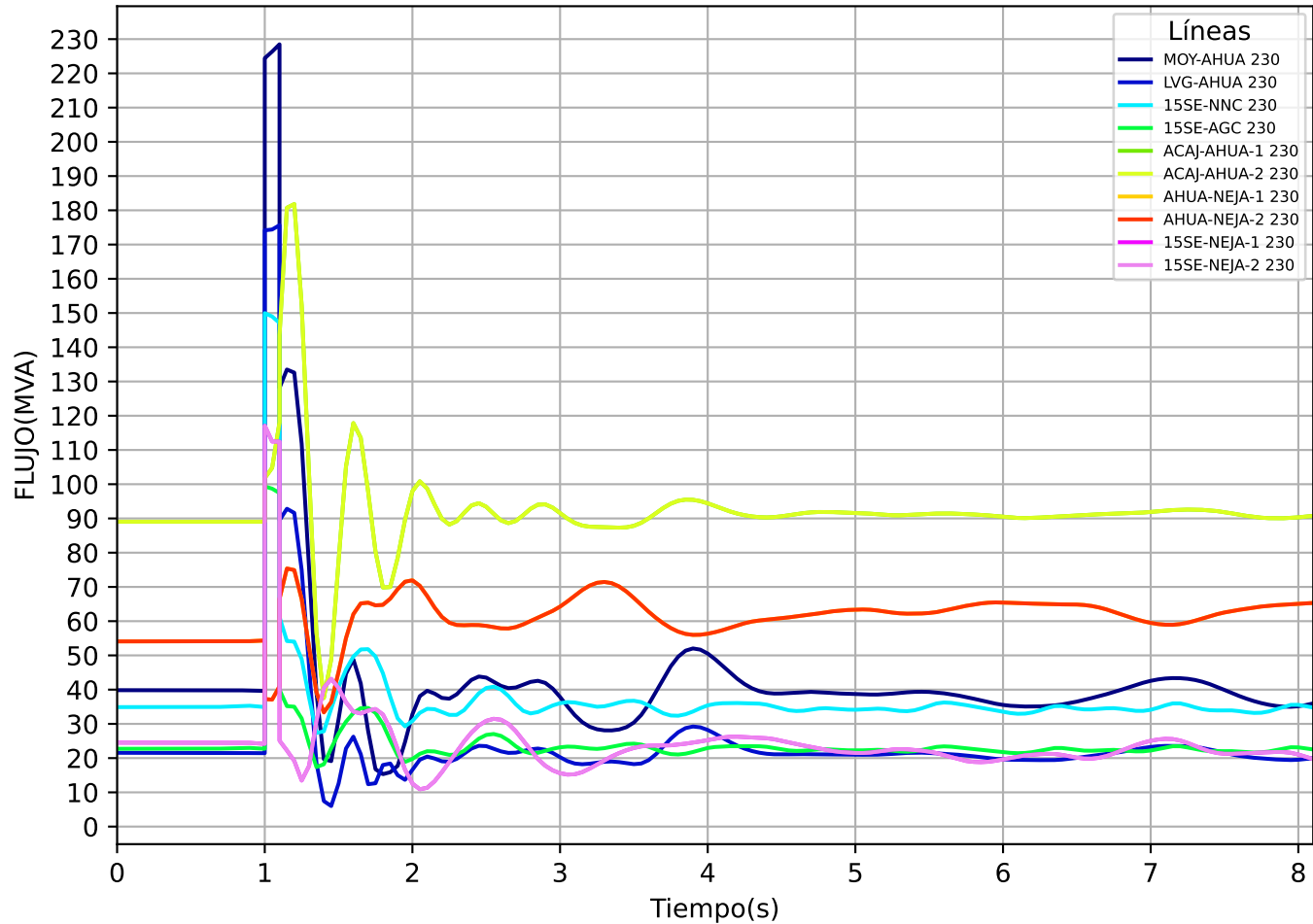
F46_SONS-ATEO: FLUJO L-115kV 2



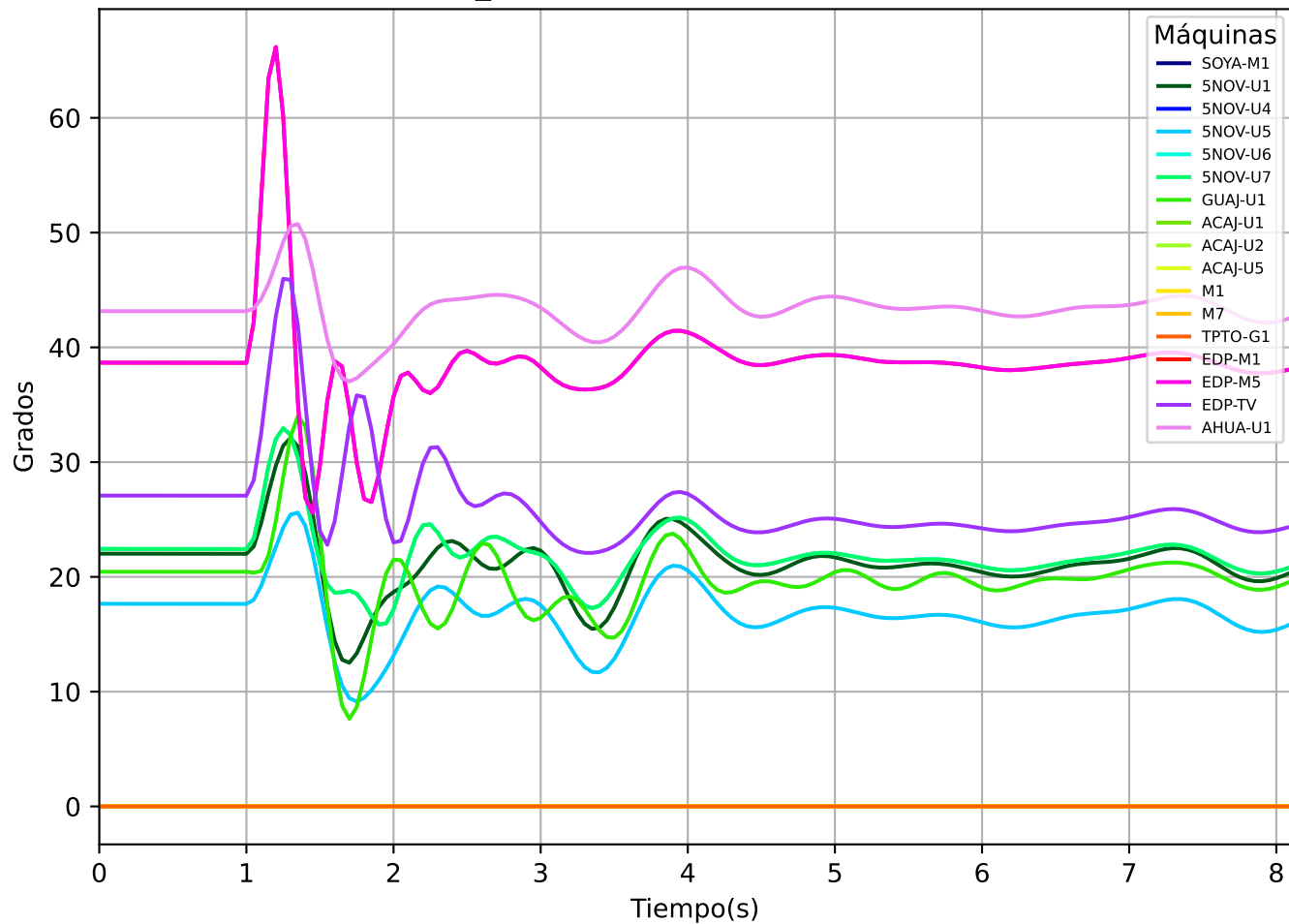
F46_SONS-ATEO: FLUJO L-115kV 3



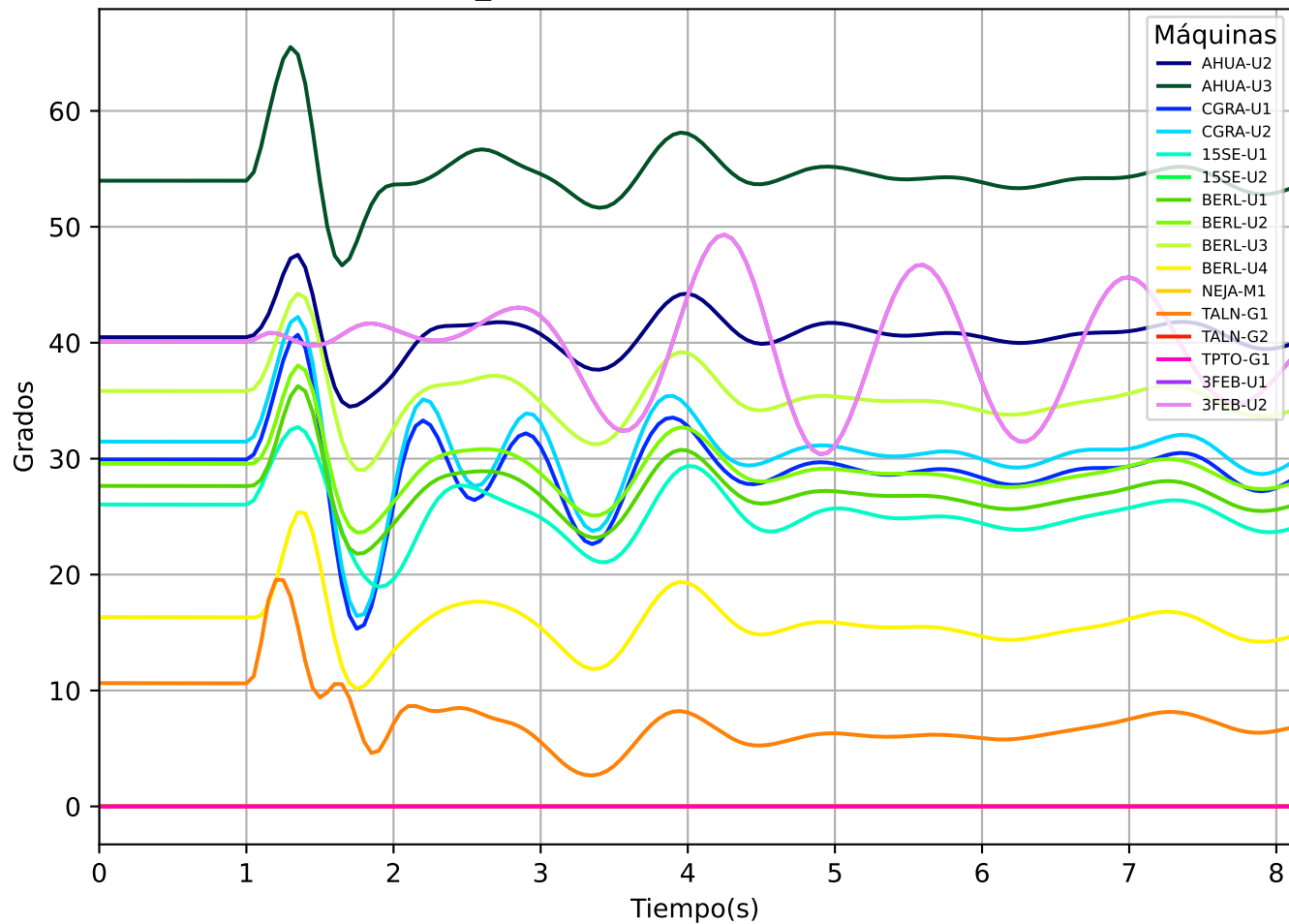
F46_SONS-ATEO: FLUJO L-230kV 4



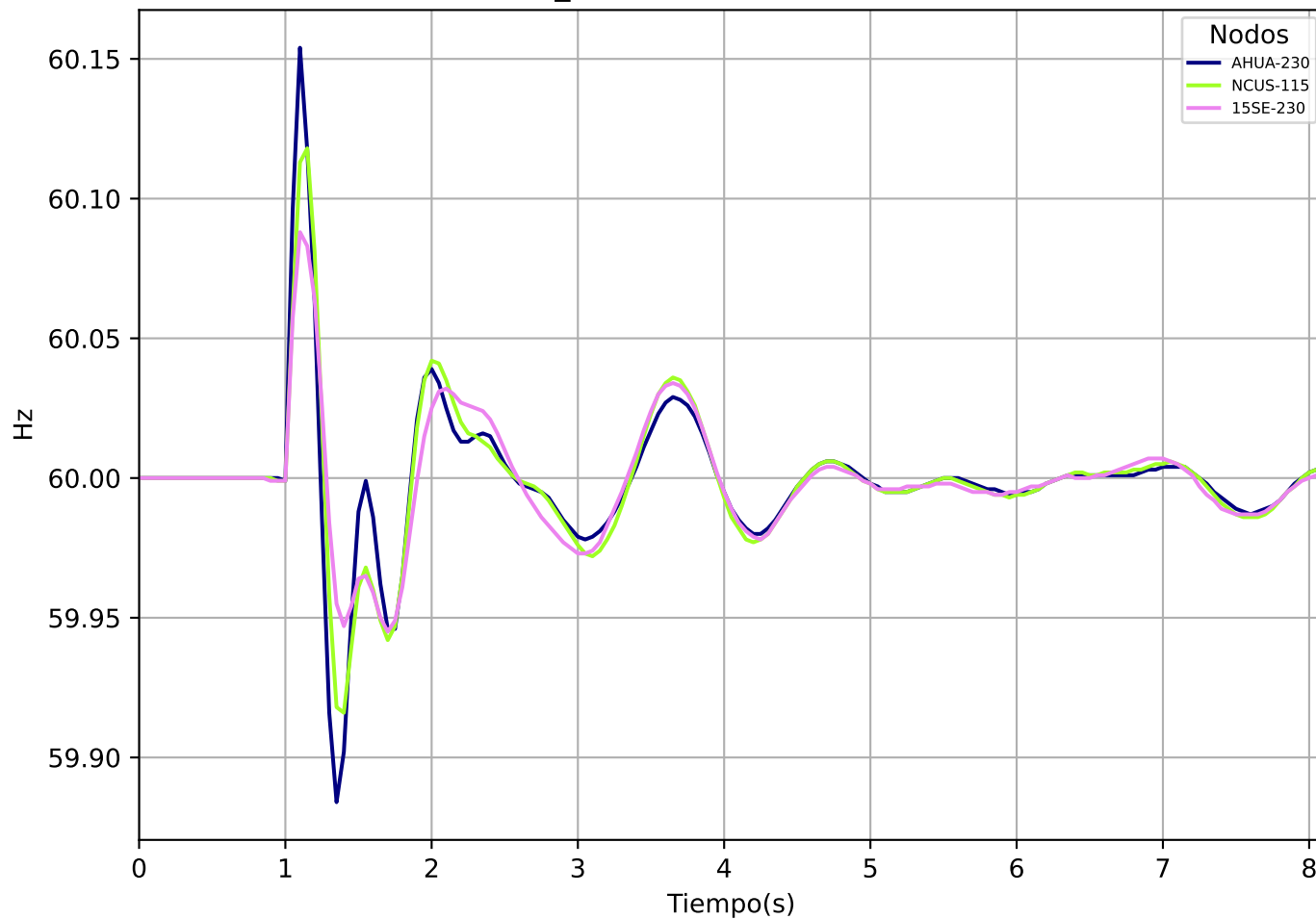
F46_SONS-ATEO: ANGULO ROTOR 1



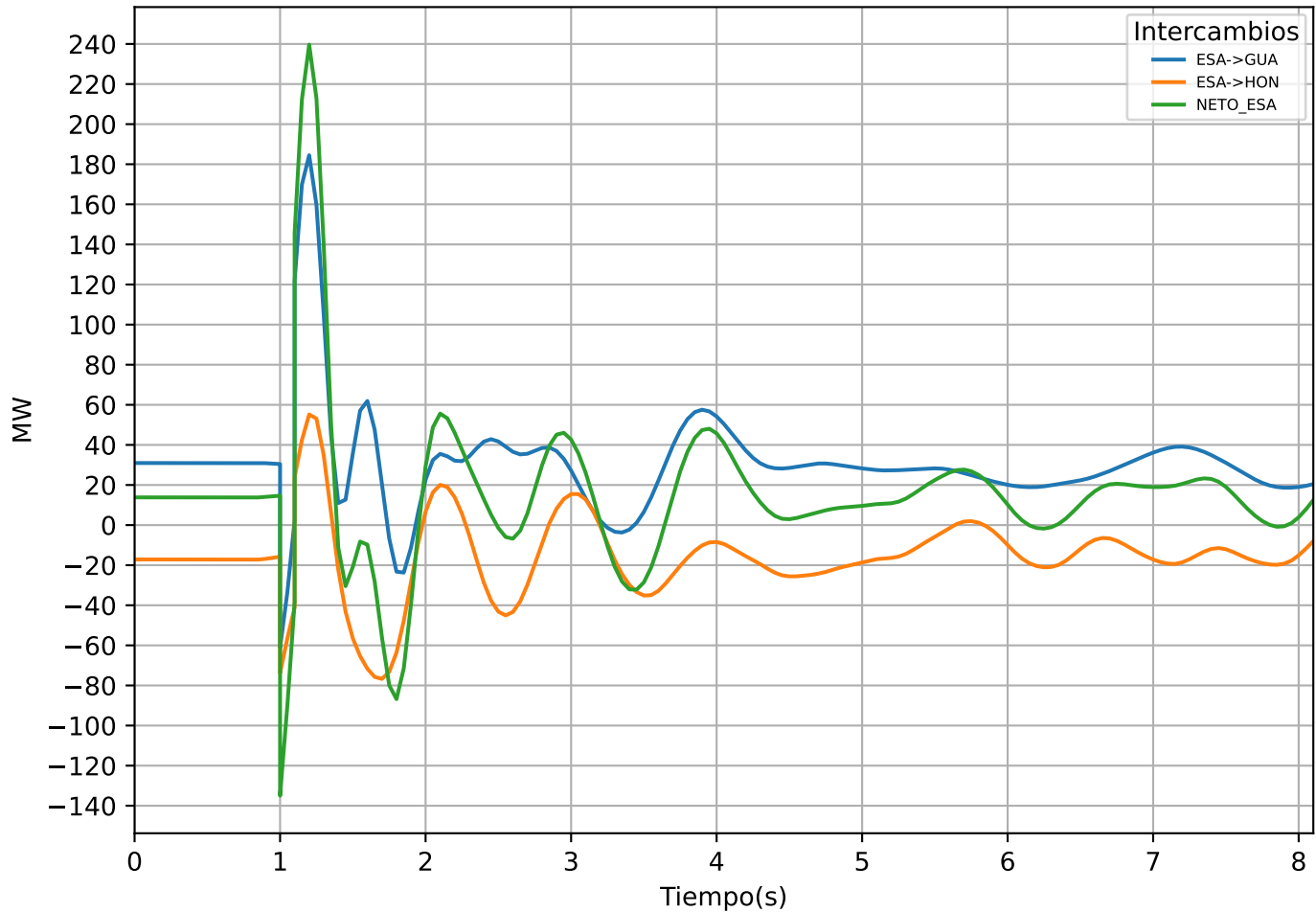
F46_SONS-ATEO: ANGULO ROTOR 2



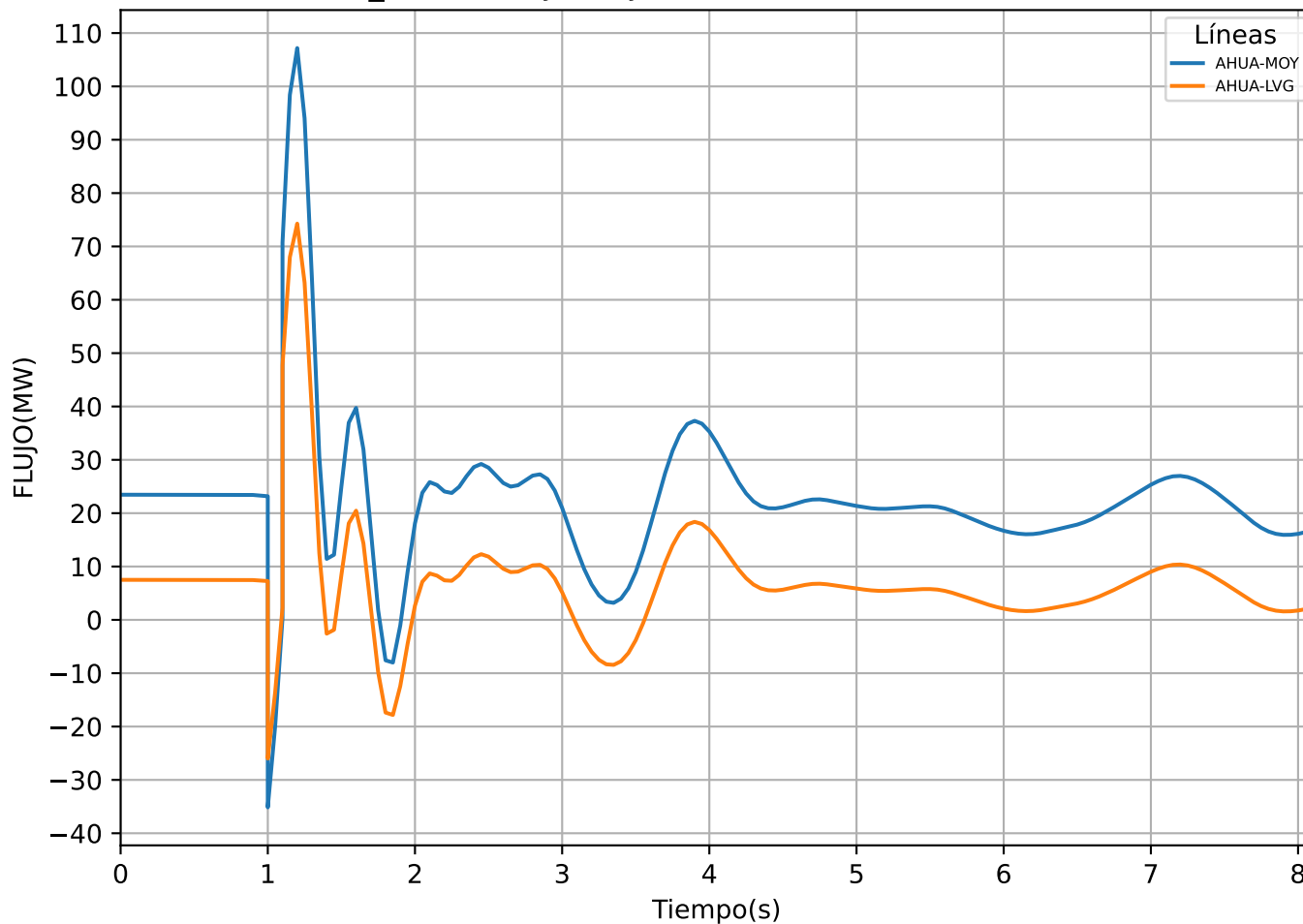
F46_SONS-ATEO: FRECUENCIA



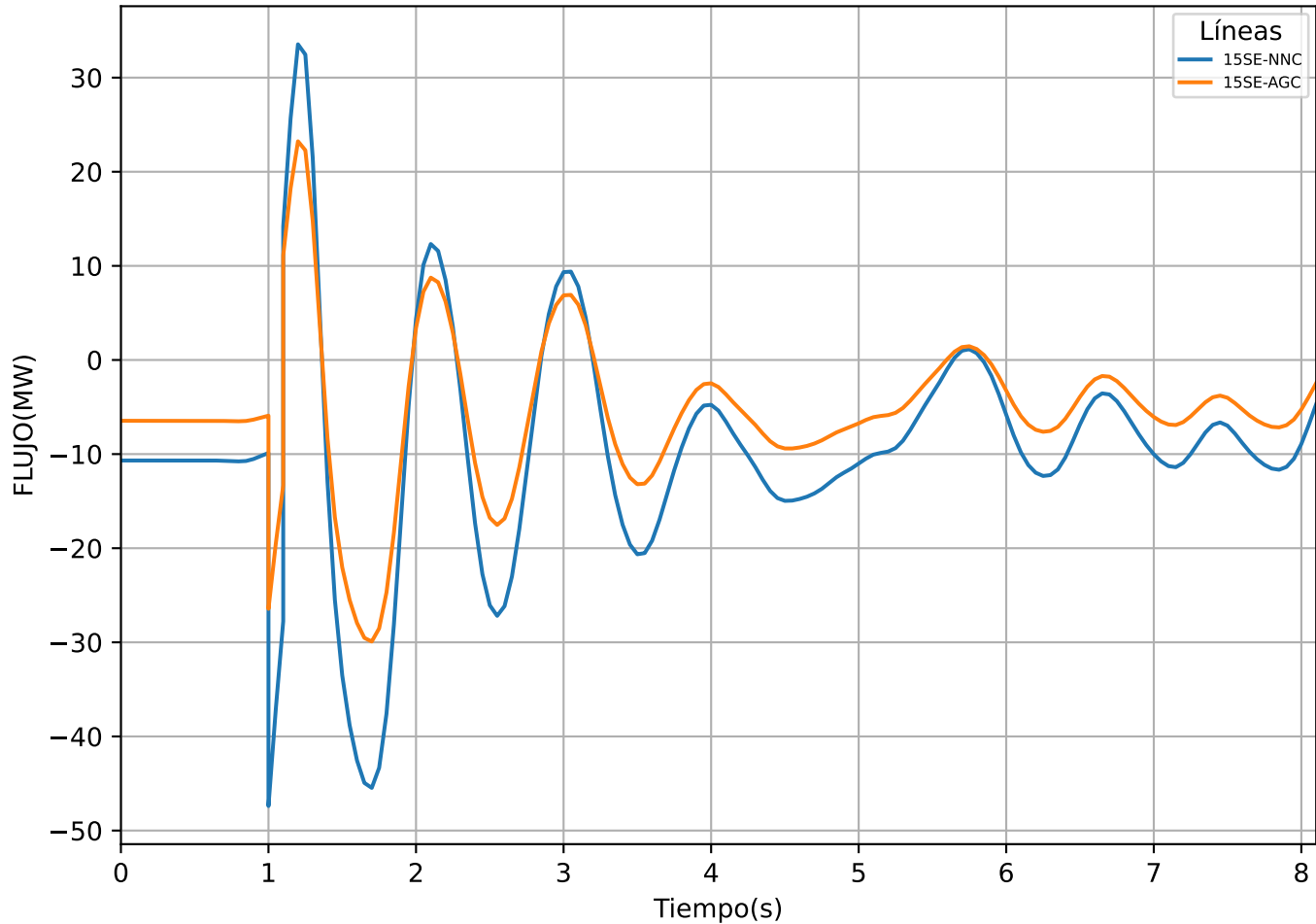
F46_SONS-ATEO: Intercambios ESA



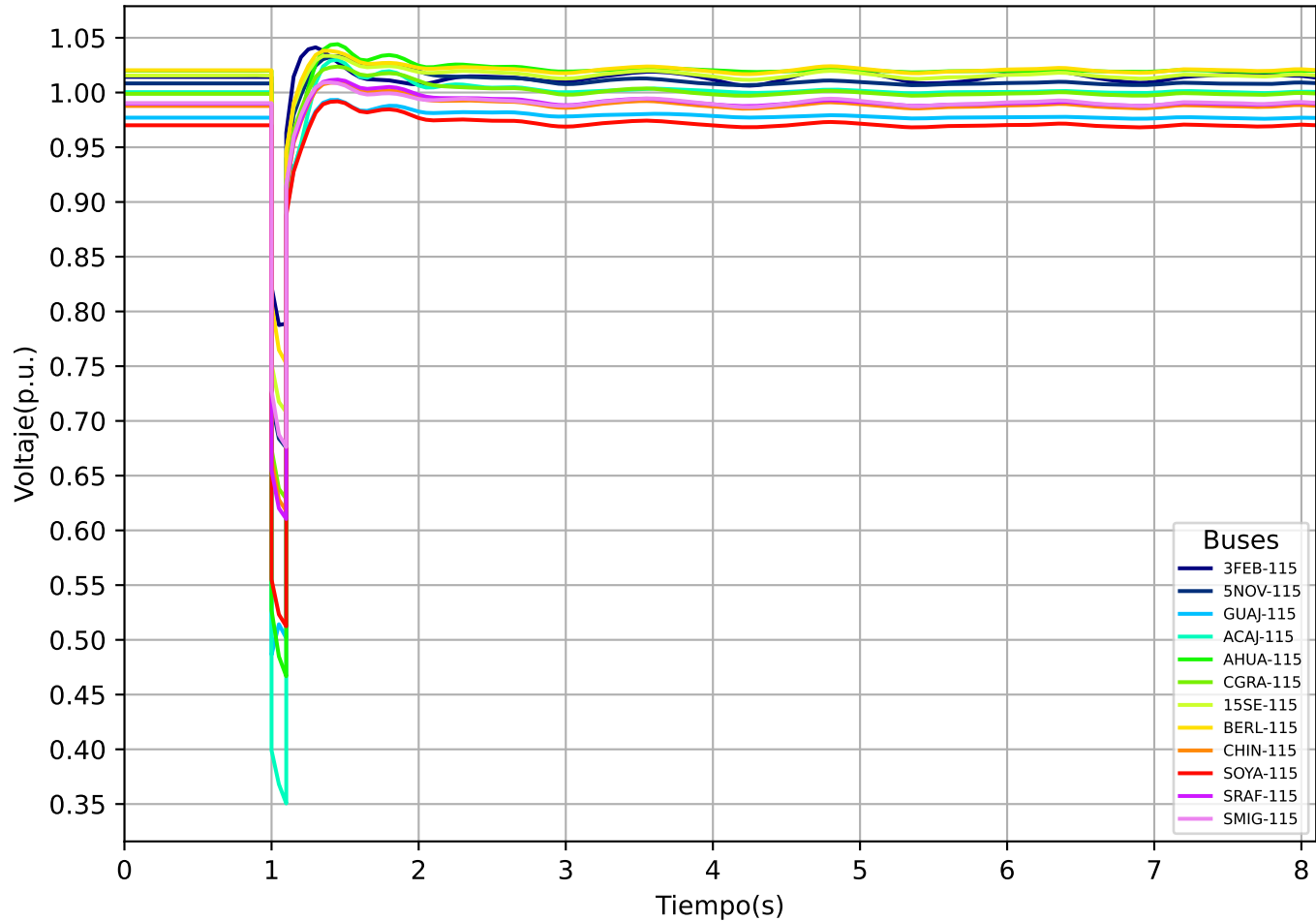
F47_SONS-ACAJ: FLUJO INTERCONEXIONES ESA-GUA



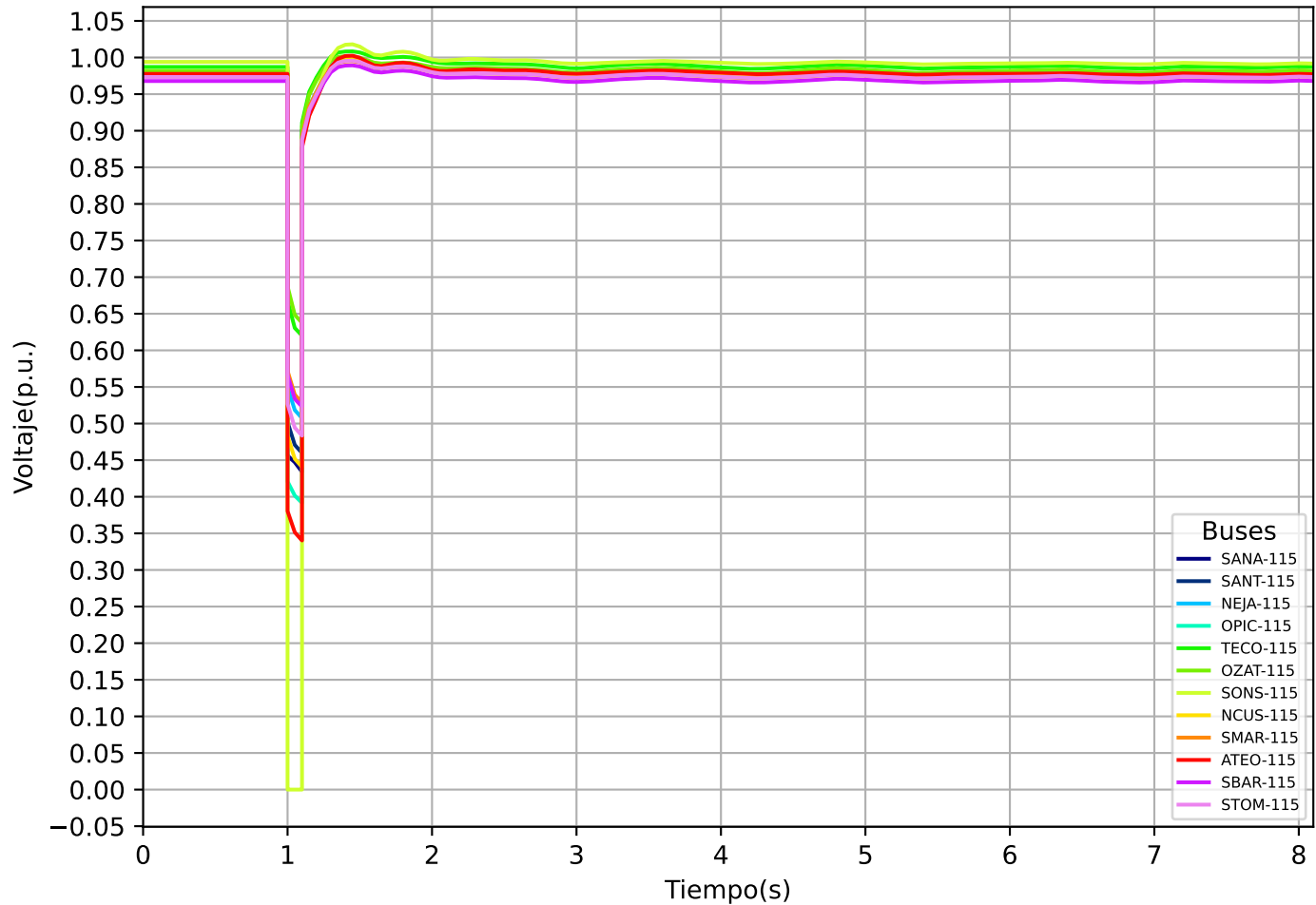
F47_SONS-ACAJ: FLUJO INTERCONEXIONES ESA-HON



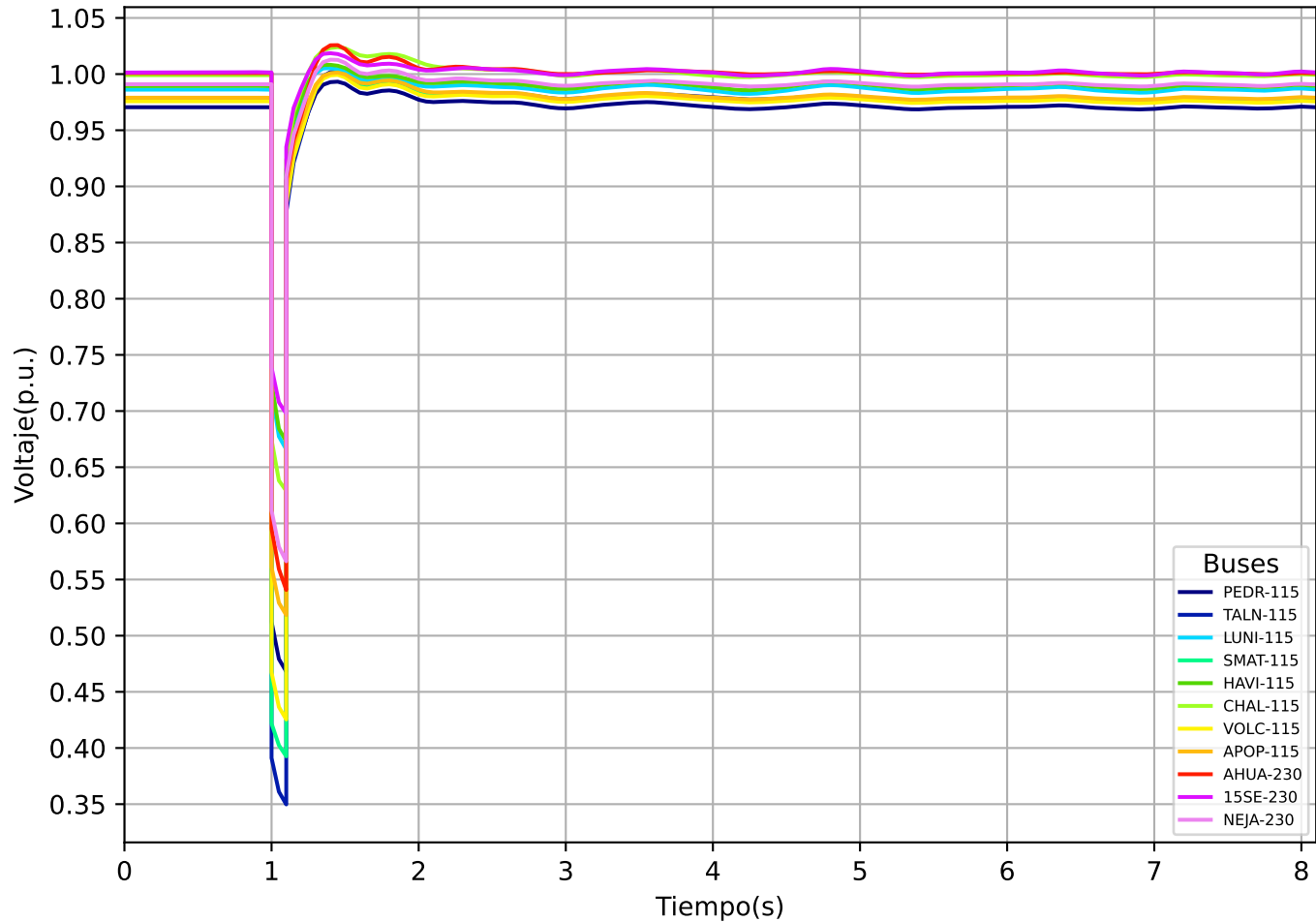
F47_SONS-ACAJ: VOLTAJE 1



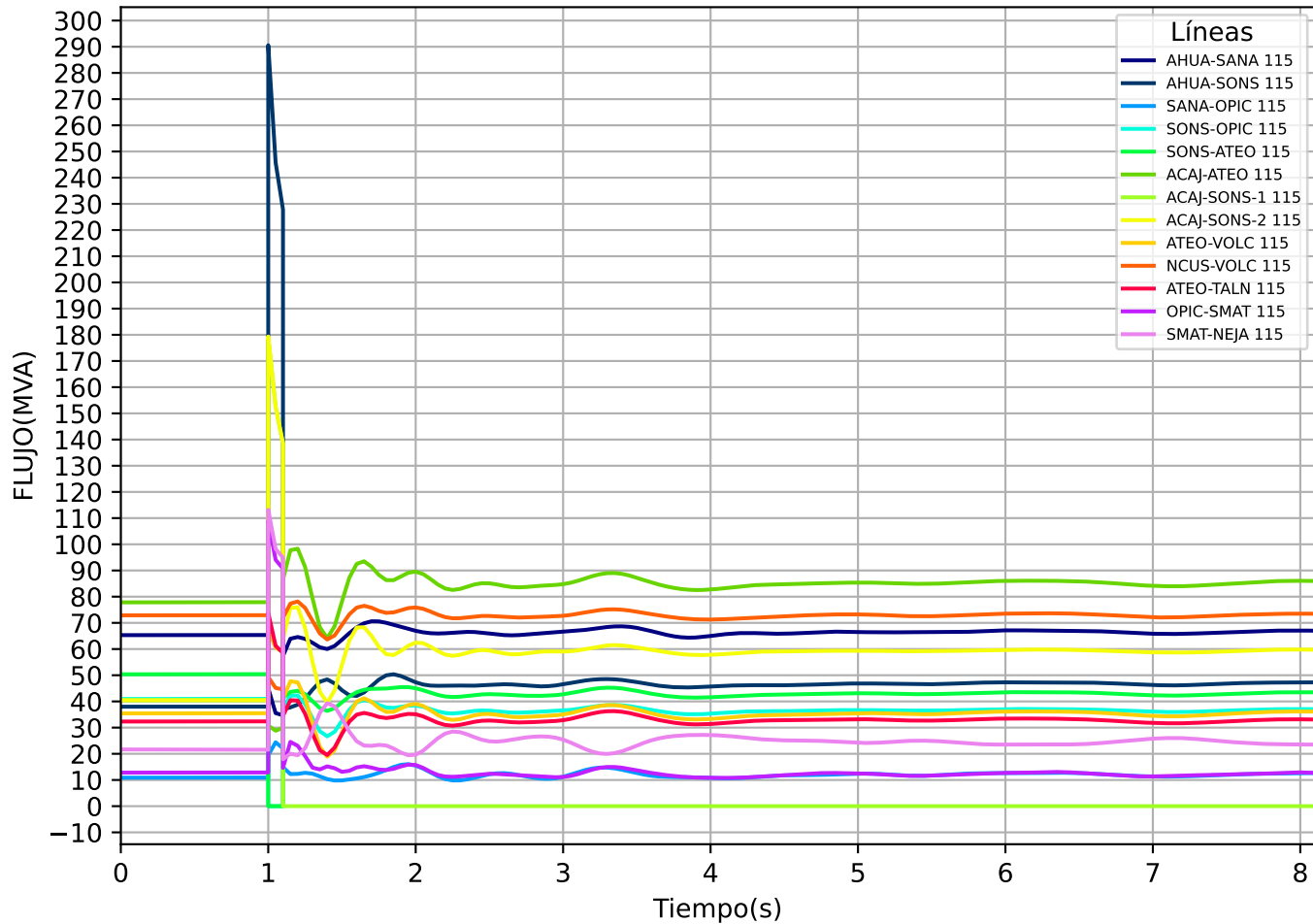
F47_SONS-ACAJ: VOLTAJE 2



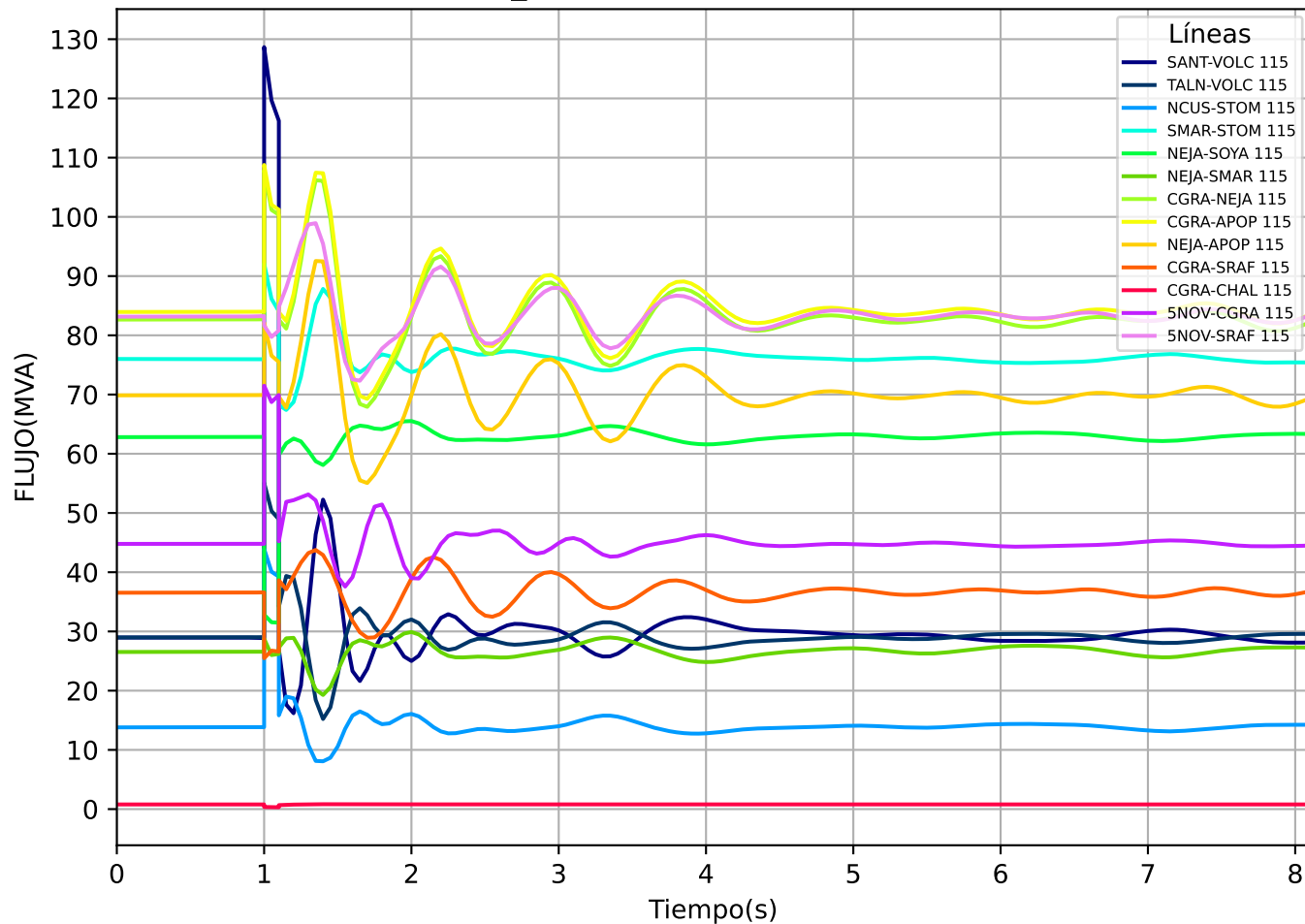
F47_SONS-ACAJ: VOLTAJE 3



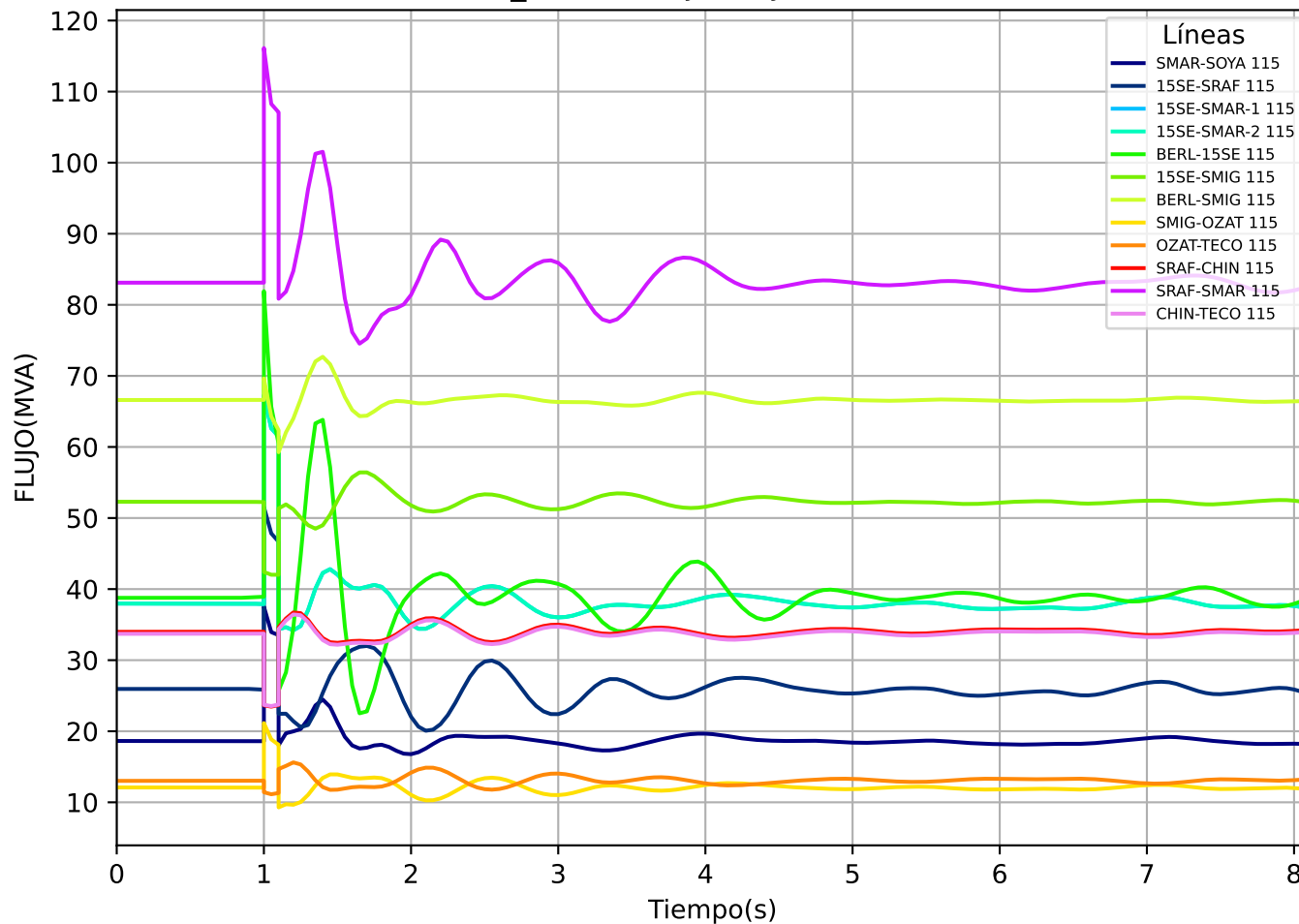
F47_SONS-ACAJ: FLUJO L-115kV 1



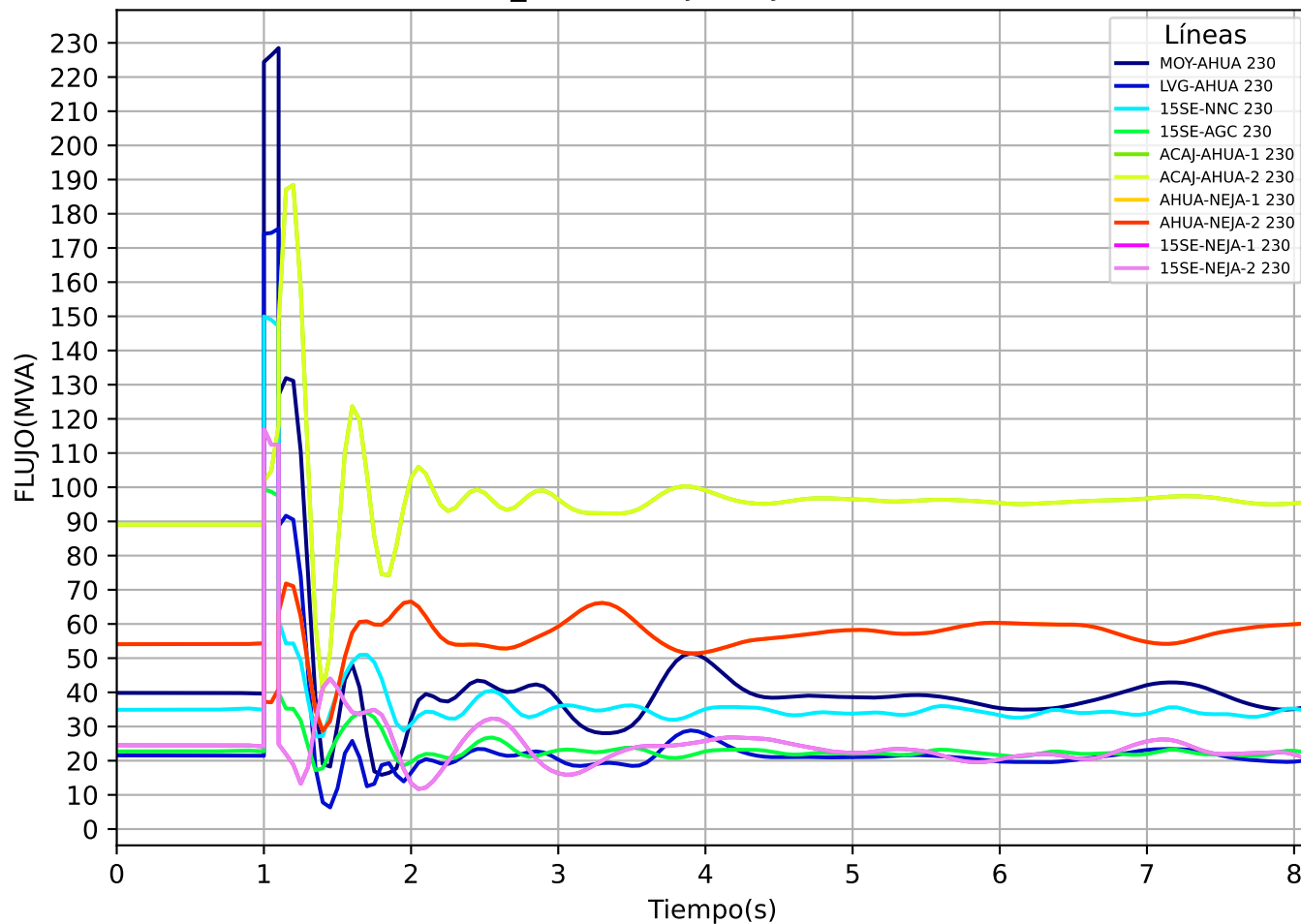
F47_SONS-ACAJ: FLUJO L-115kV 2



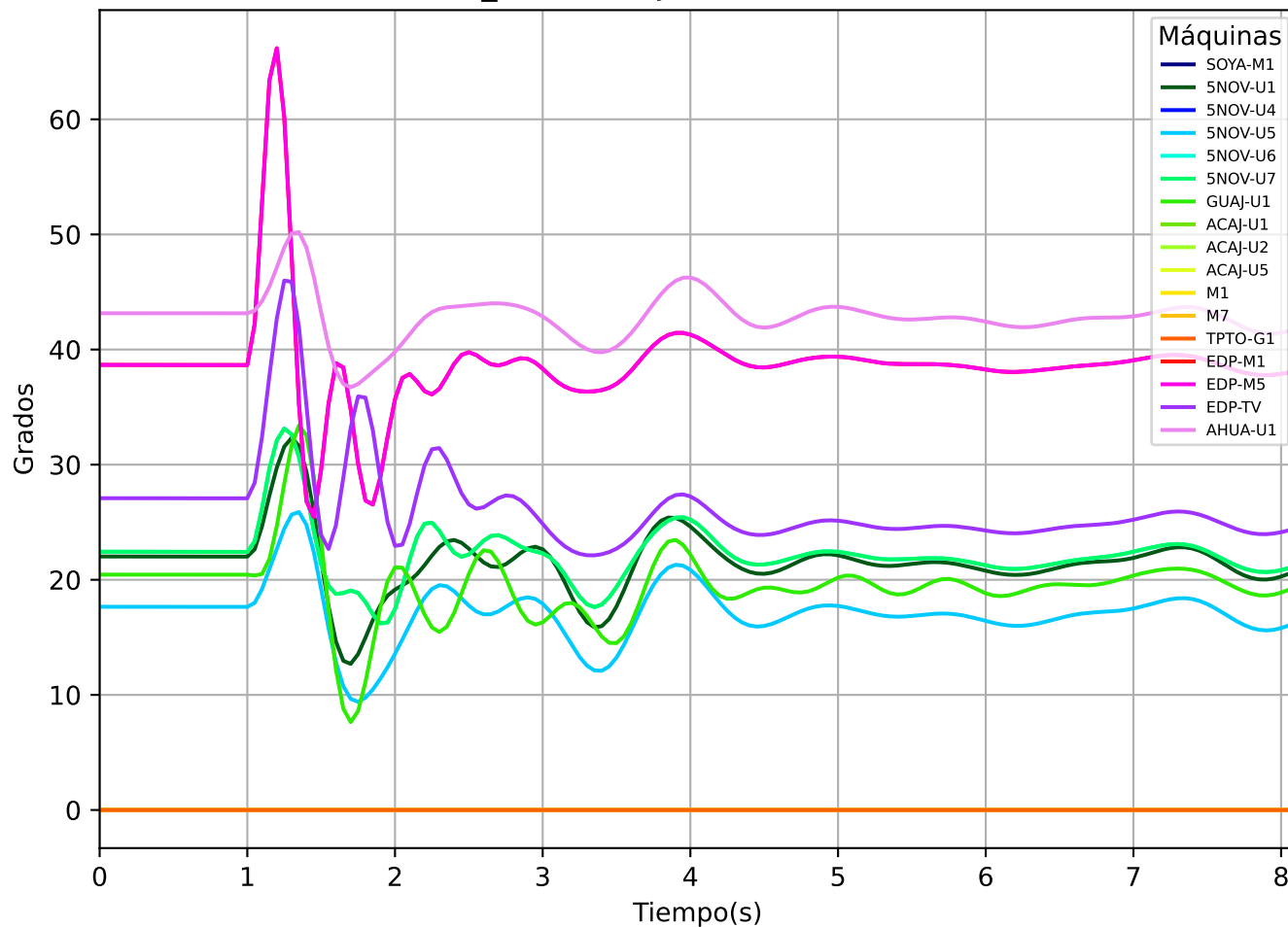
F47_SONS-ACAj: FLUJO L-115kV 3



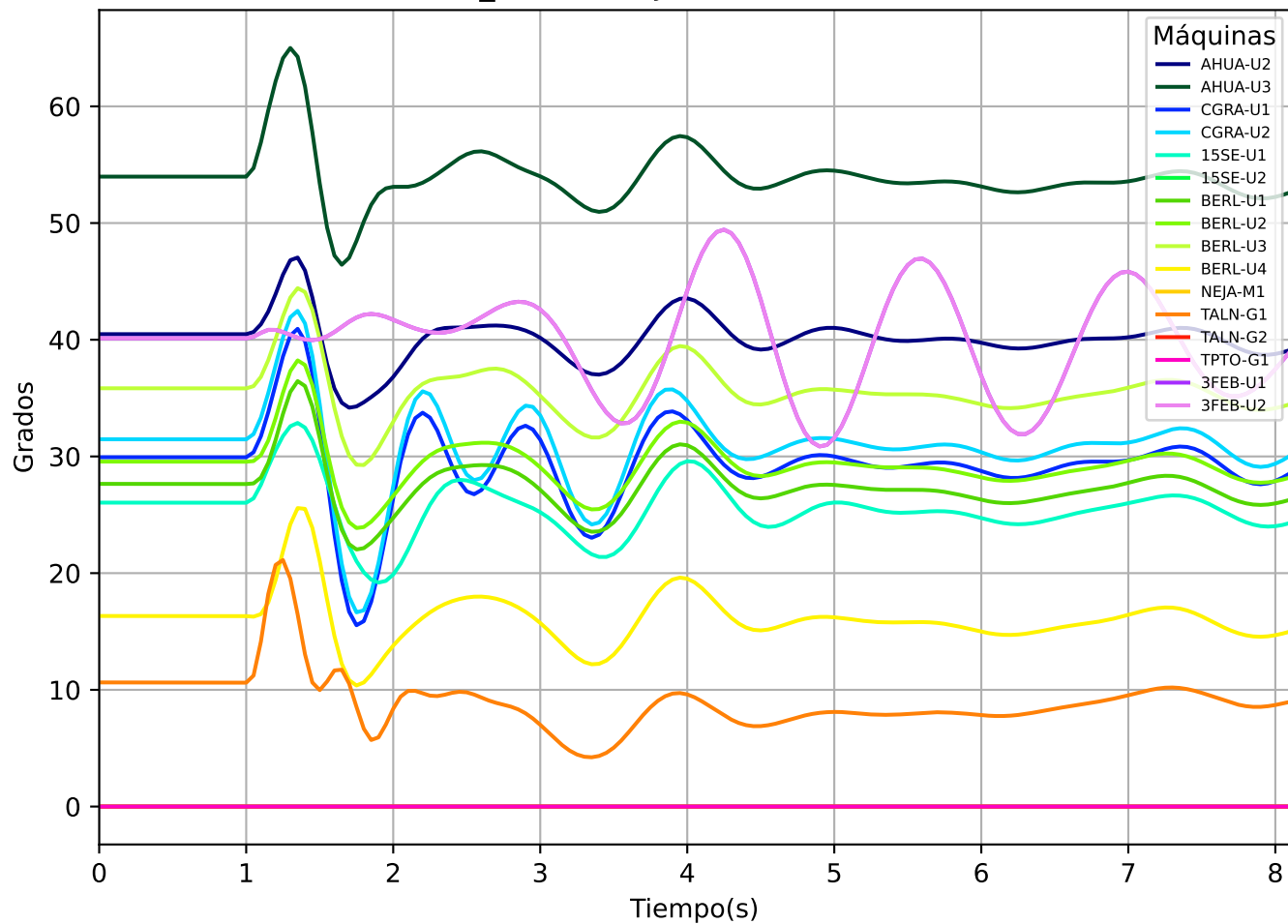
F47_SONS-ACAJ: FLUJO L-230kV 4



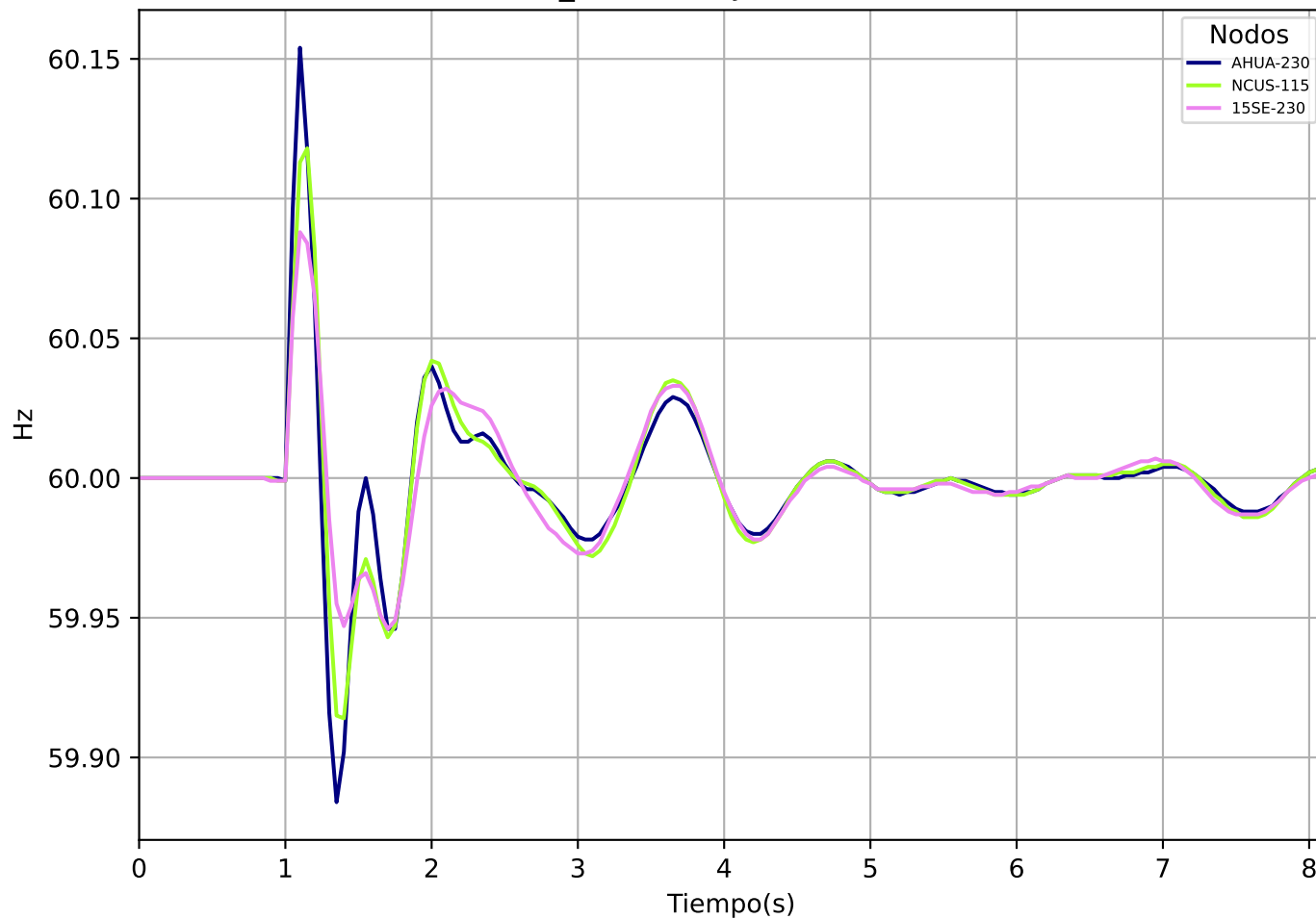
F47_SONS-ACAJ: ANGULO ROTOR 1



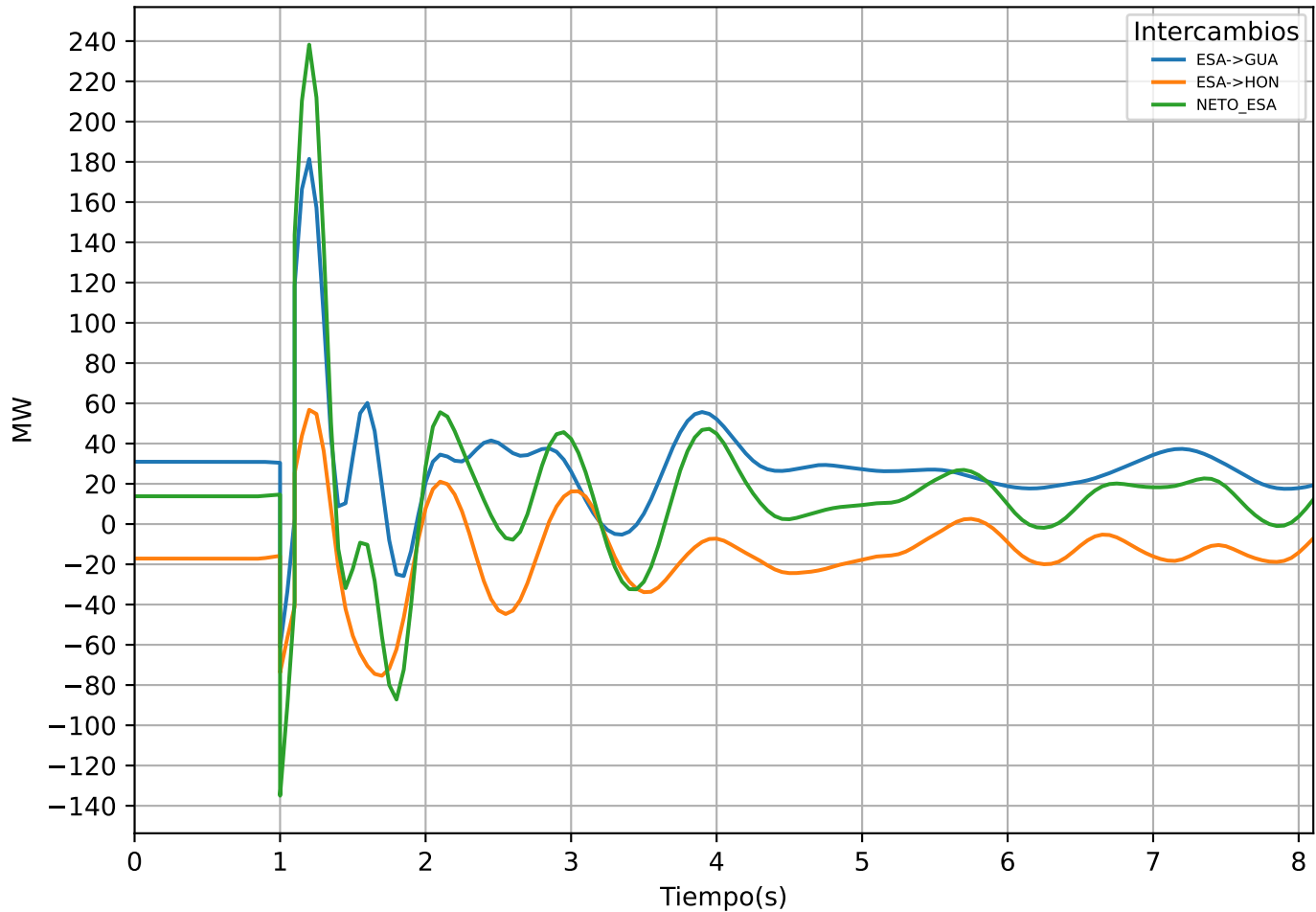
F47_SONS-ACAJ: ANGULO ROTOR 2



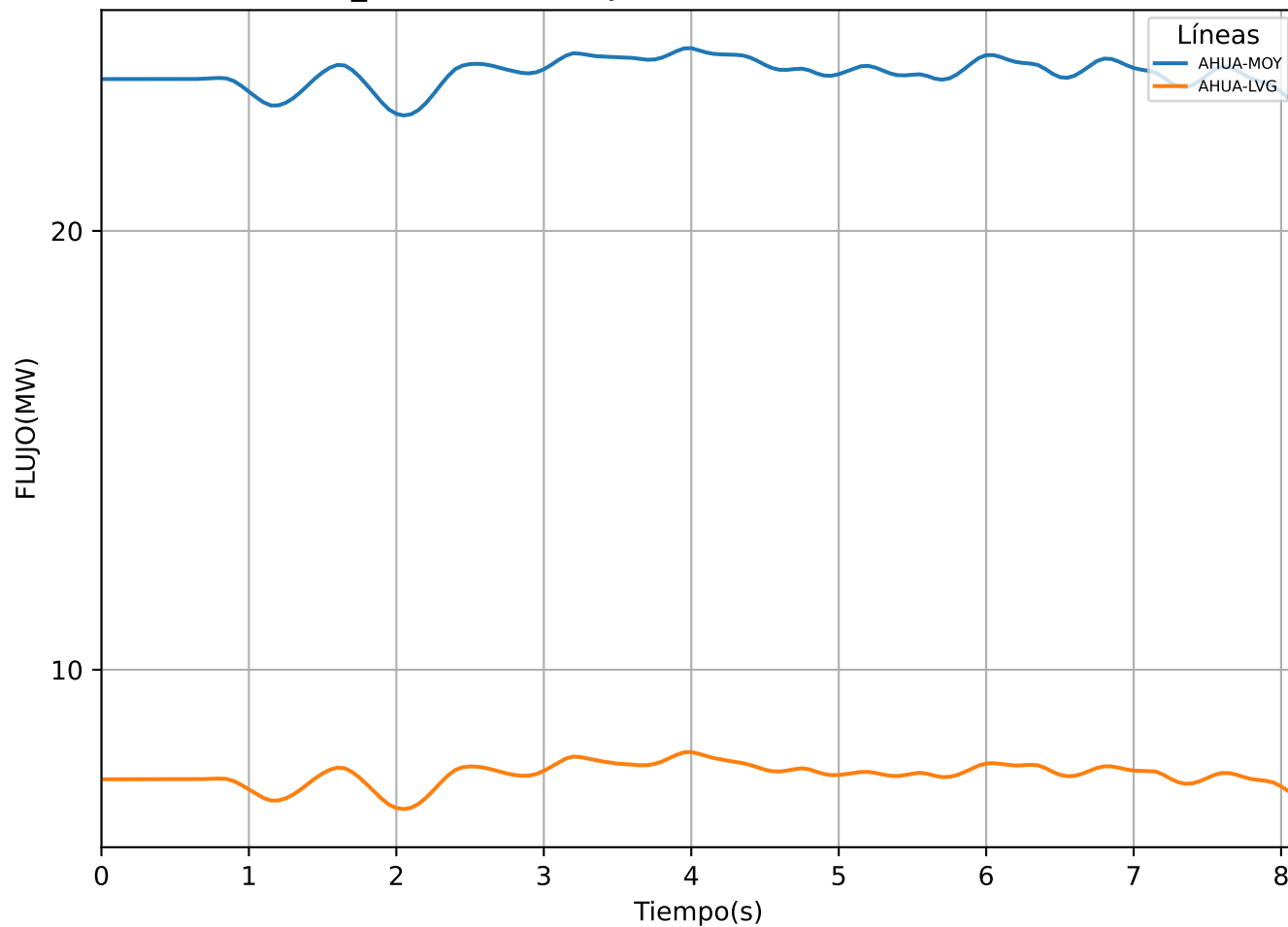
F47_SONS-ACAJ: FRECUENCIA



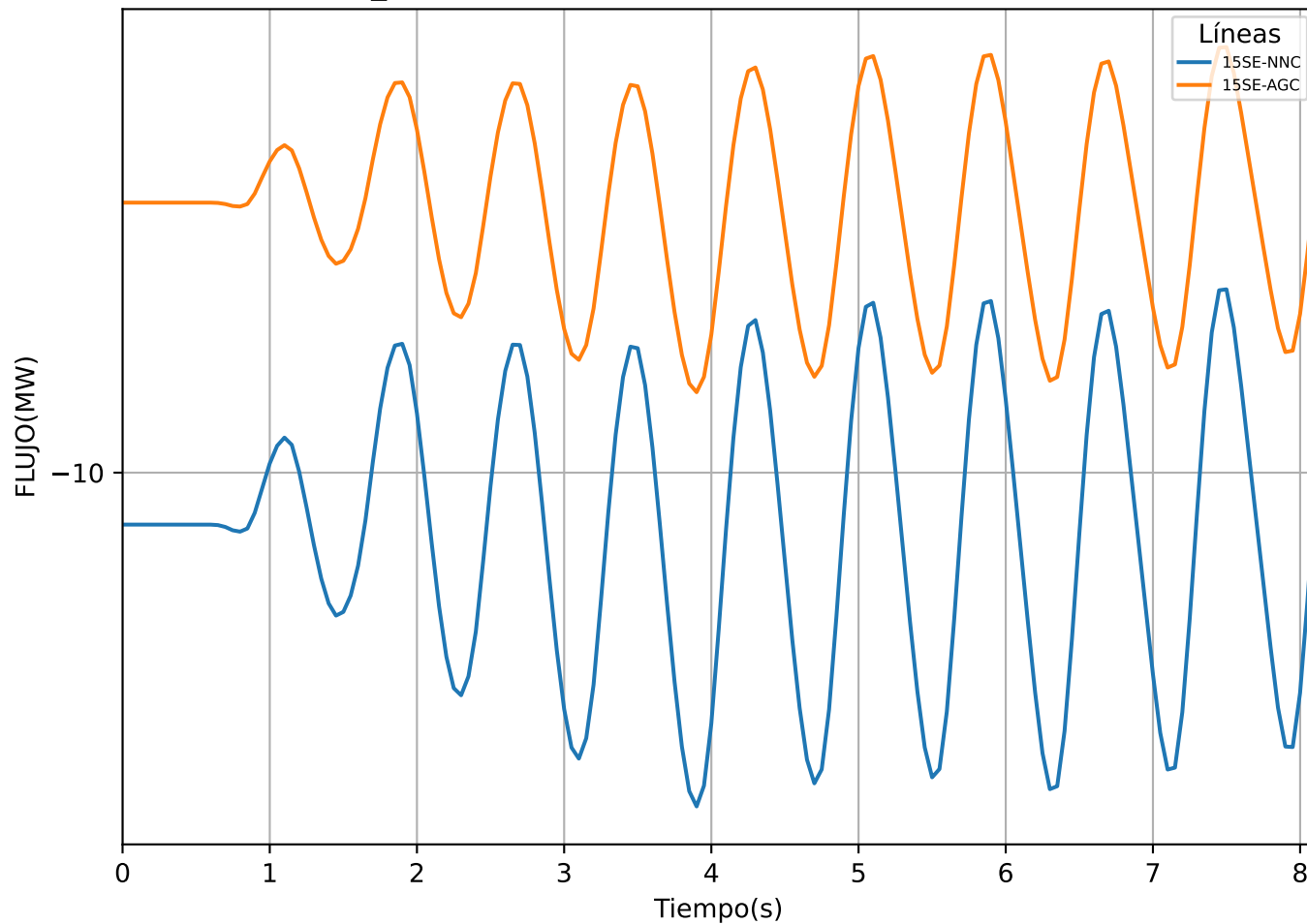
F47_SONS-ACAJ: Intercambios ESA



F48_SANT-TALN: FLUJO INTERCONEXIONES ESA-GUA



F48_SANT-TALN: FLUJO INTERCONEXIONES ESA-HON

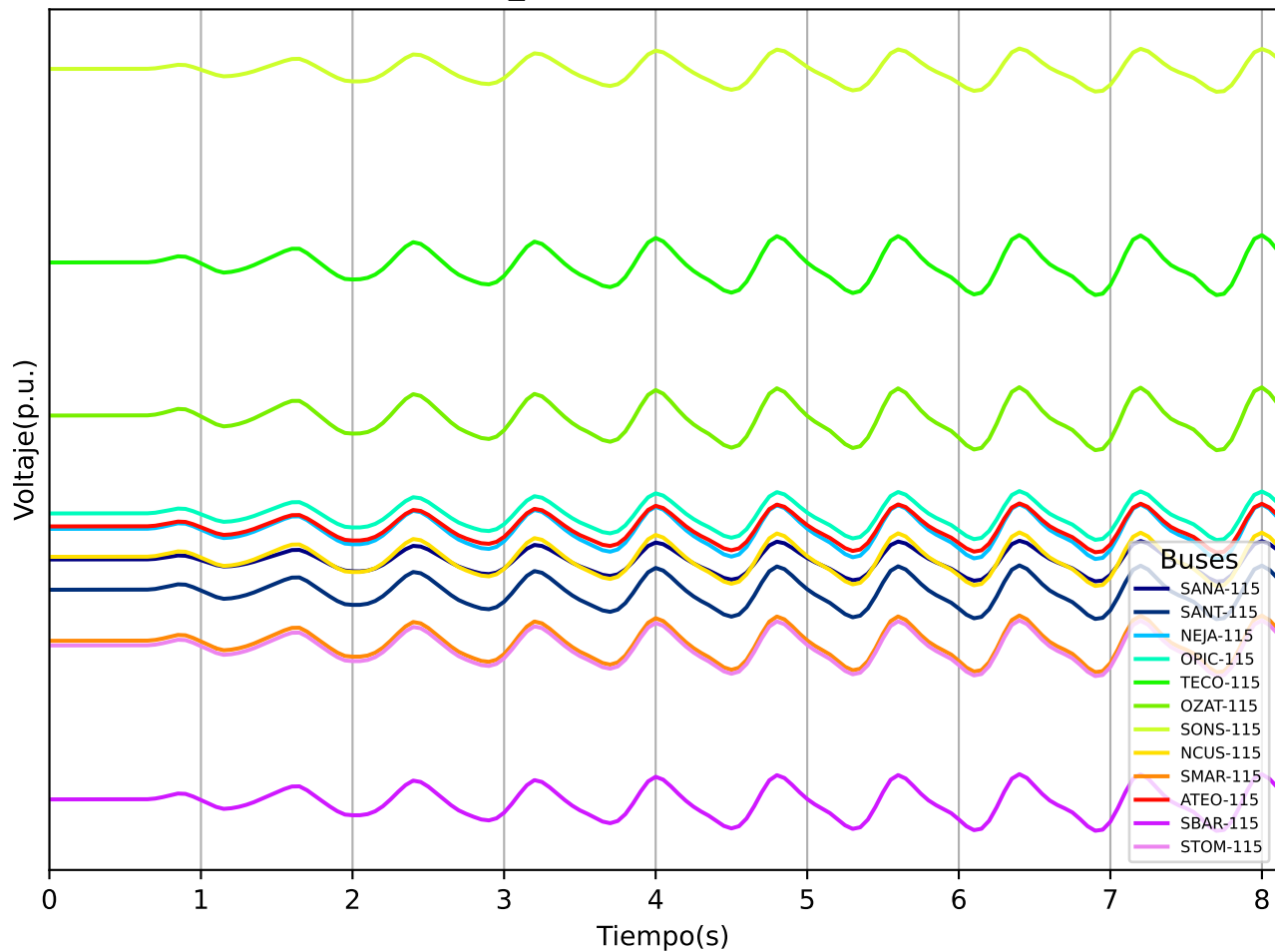


Voltaje(p.u.) 1.00

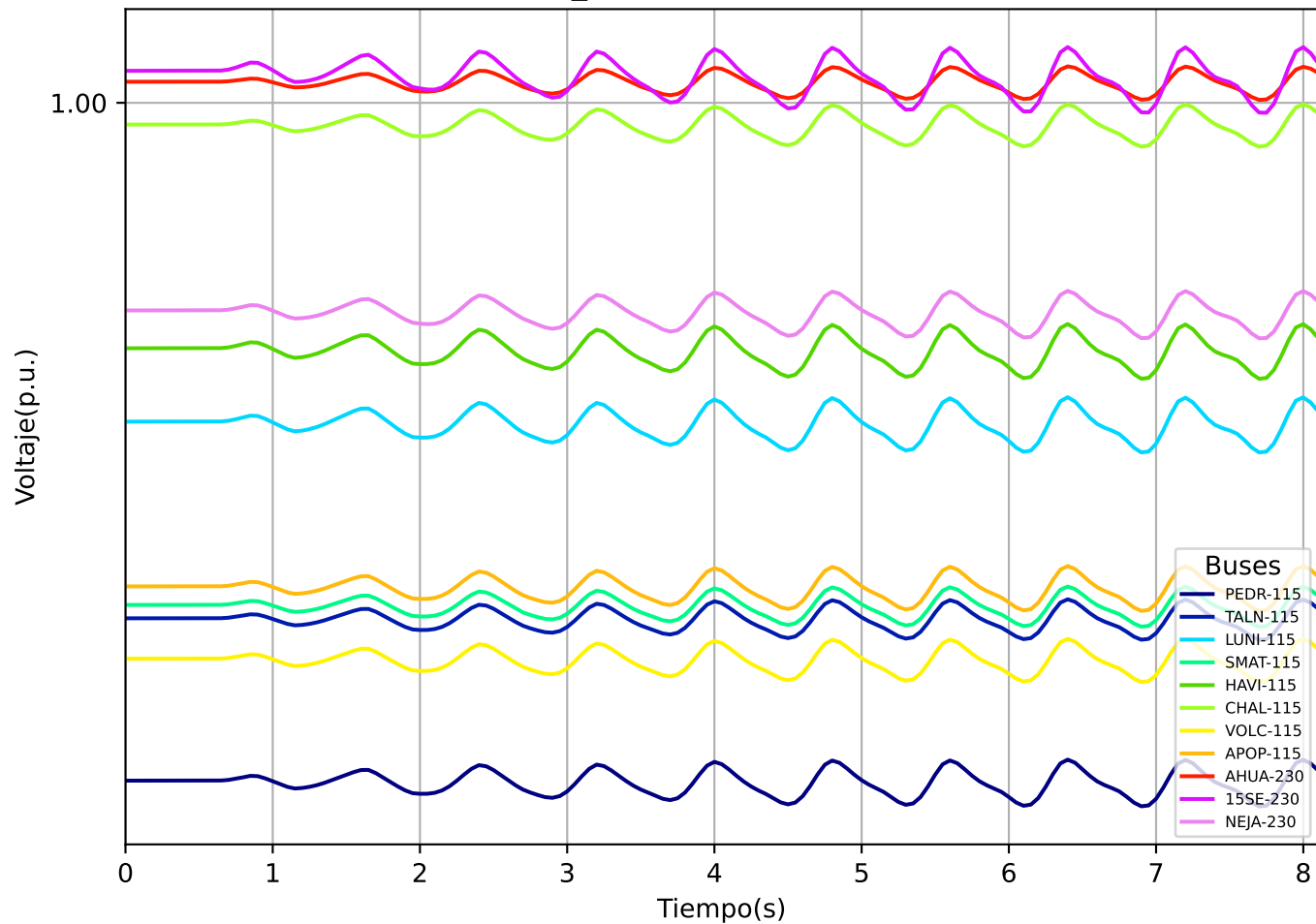
Buses

- 3FEB-115
5NOV-115
GUAJ-115
ACAJ-115
AHUA-115
CGRA-115
15SE-115
BERL-115
CHIN-115
SOYA-115
SRAF-115
SMIG-115

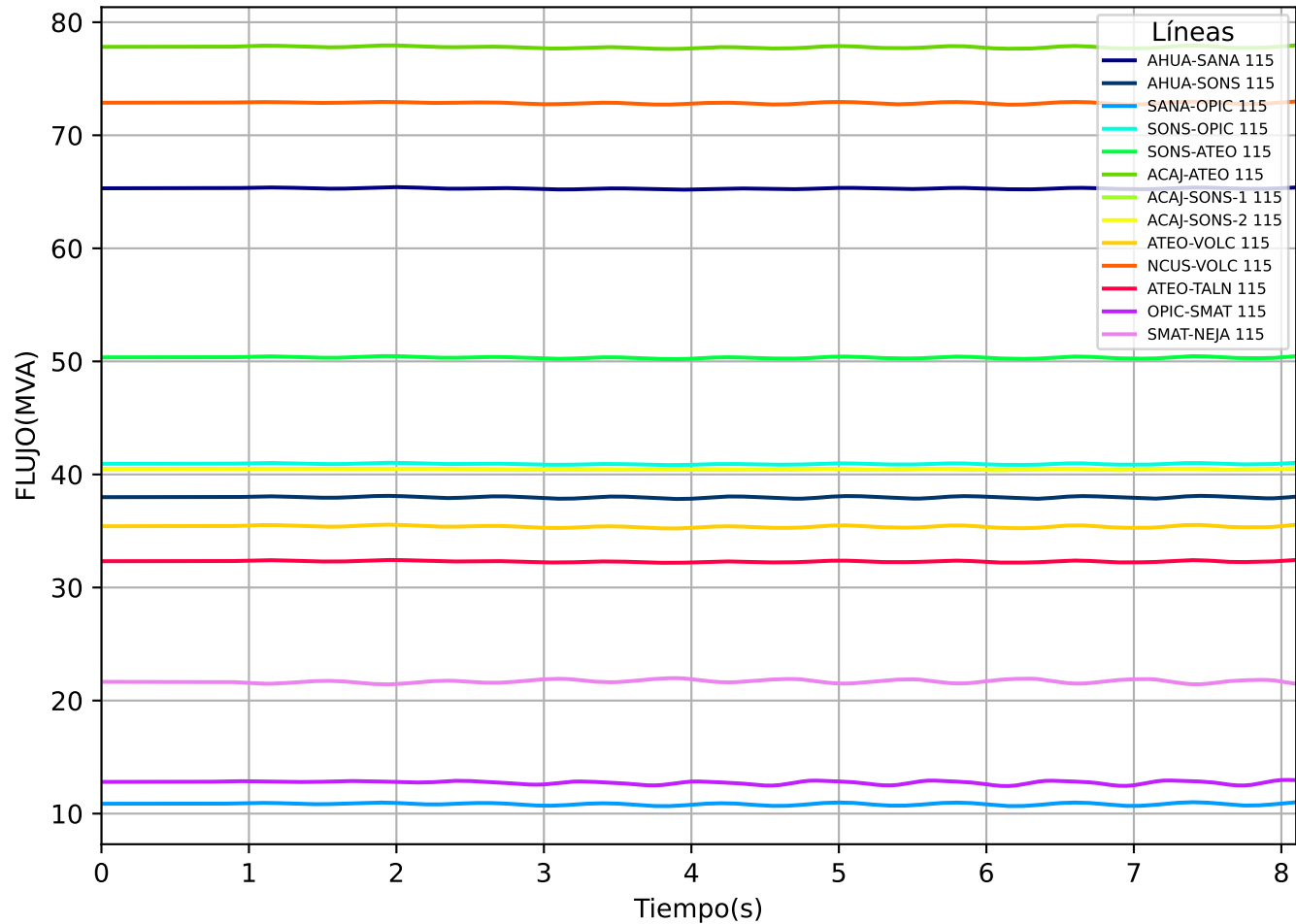
F48_SANT-TALN: VOLTAJE 2



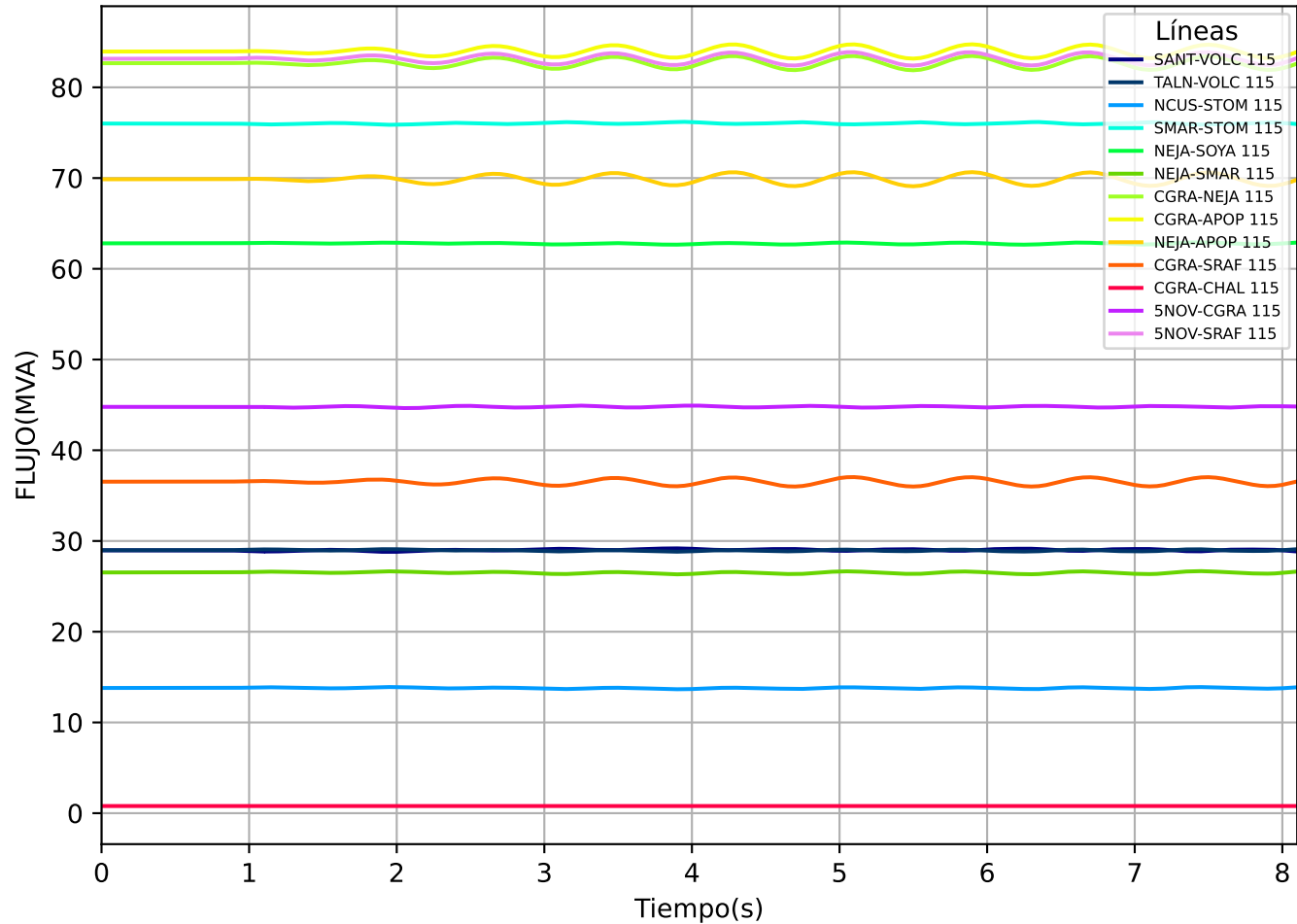
F48_SANT-TALN: VOLTAJE 3



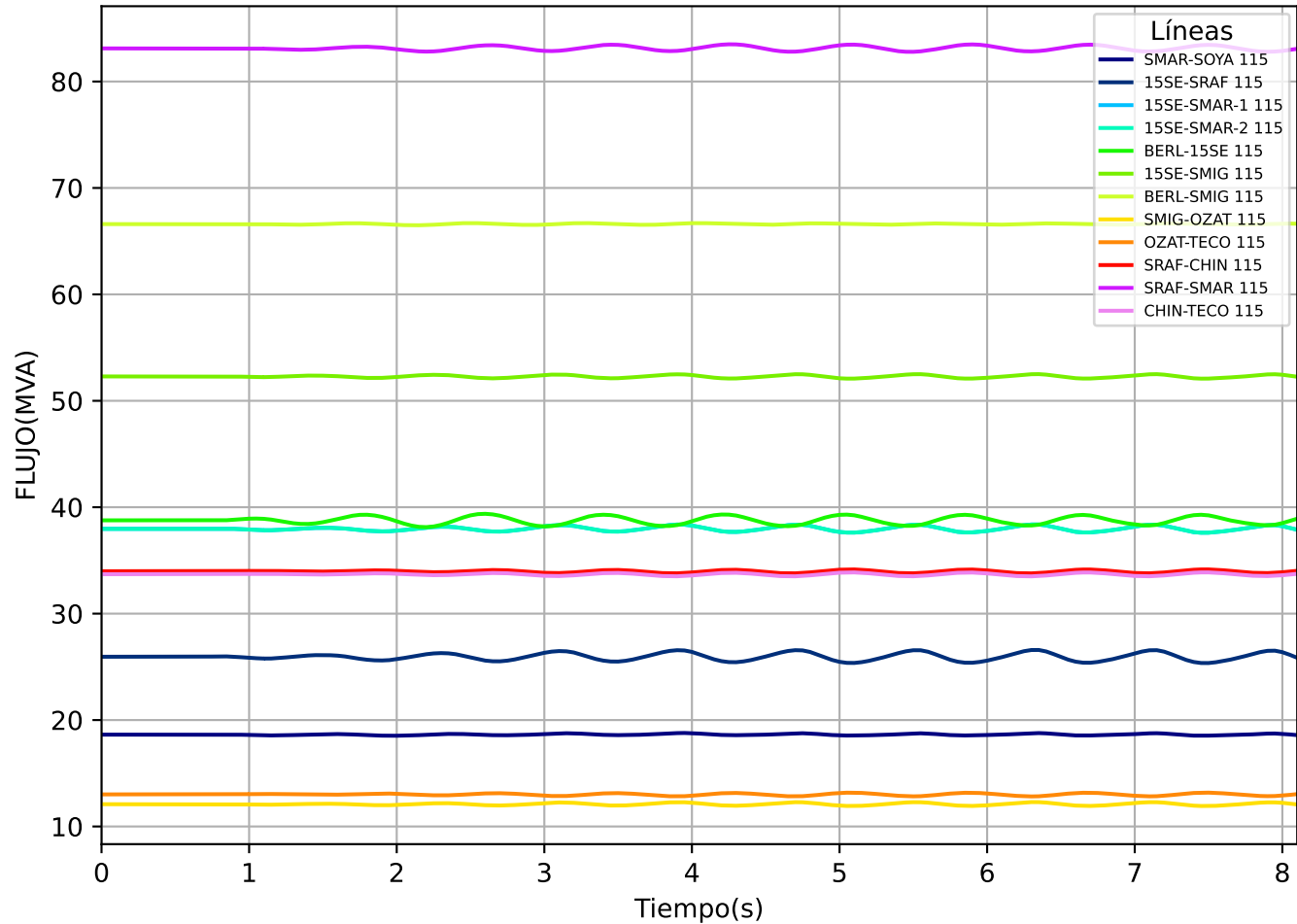
F48_SANT-TALN: FLUJO L-115kV 1



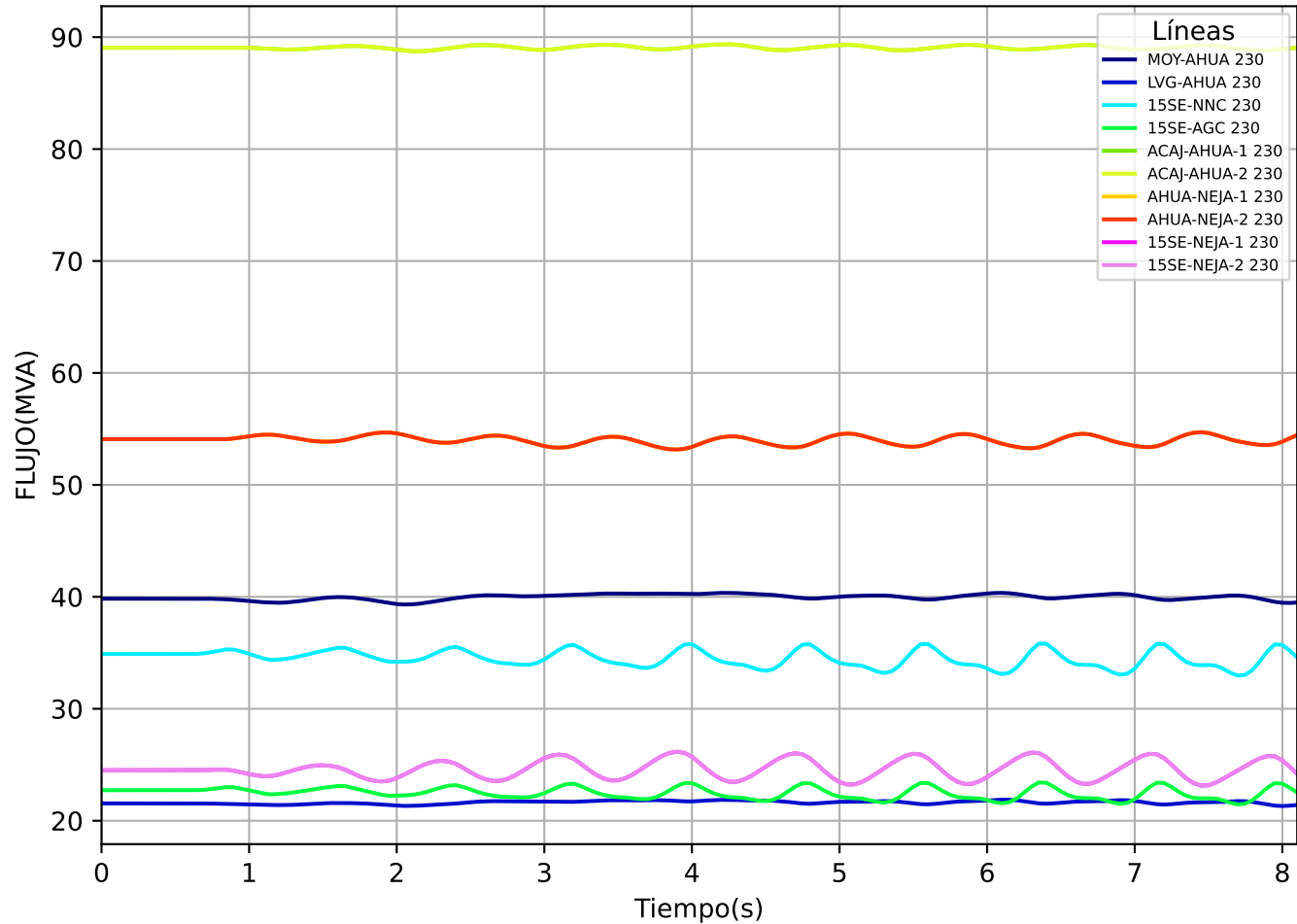
F48_SANT-TALN: FLUJO L-115kV 2



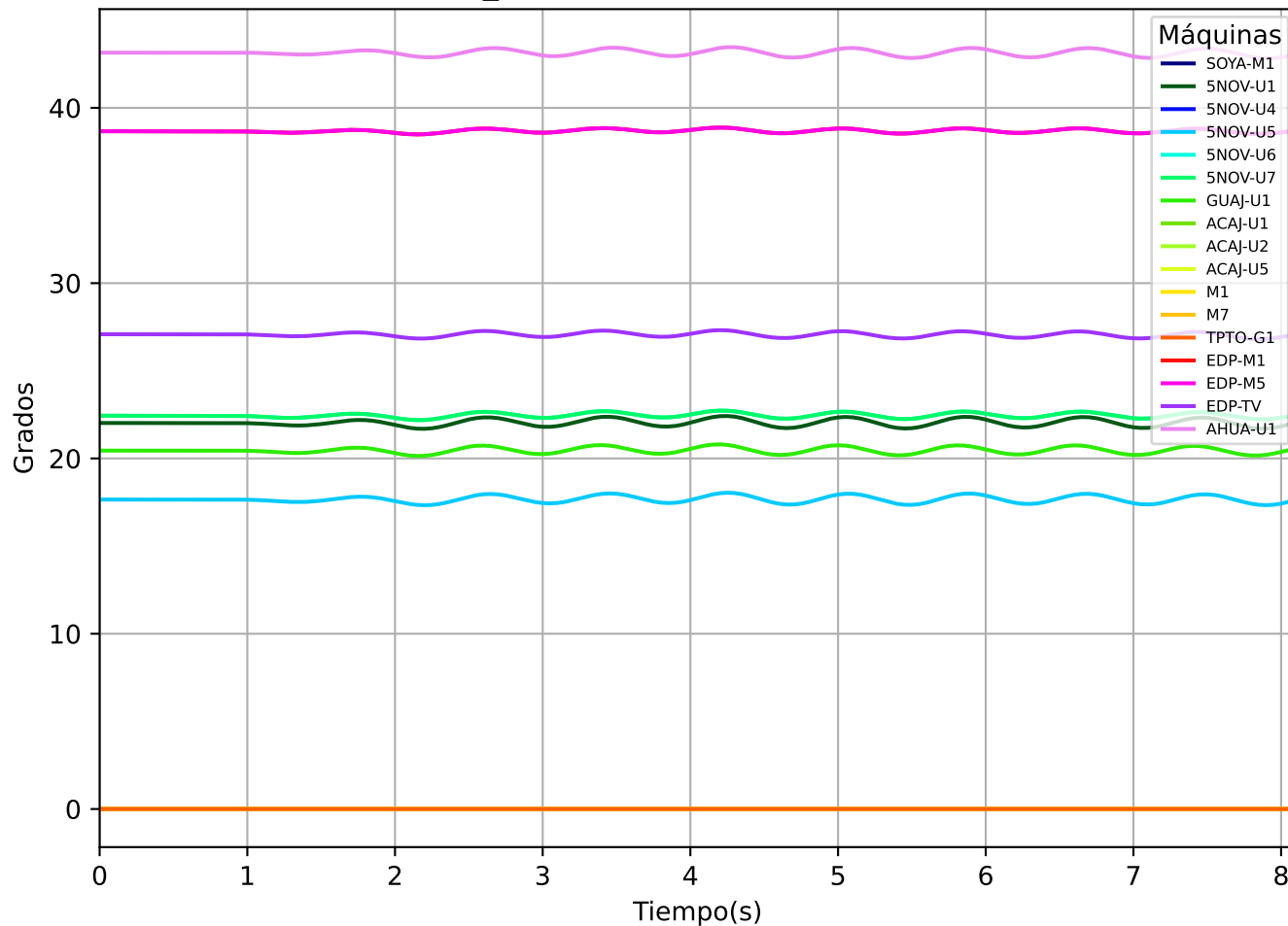
F48_SANT-TALN: FLUJO L-115kV 3



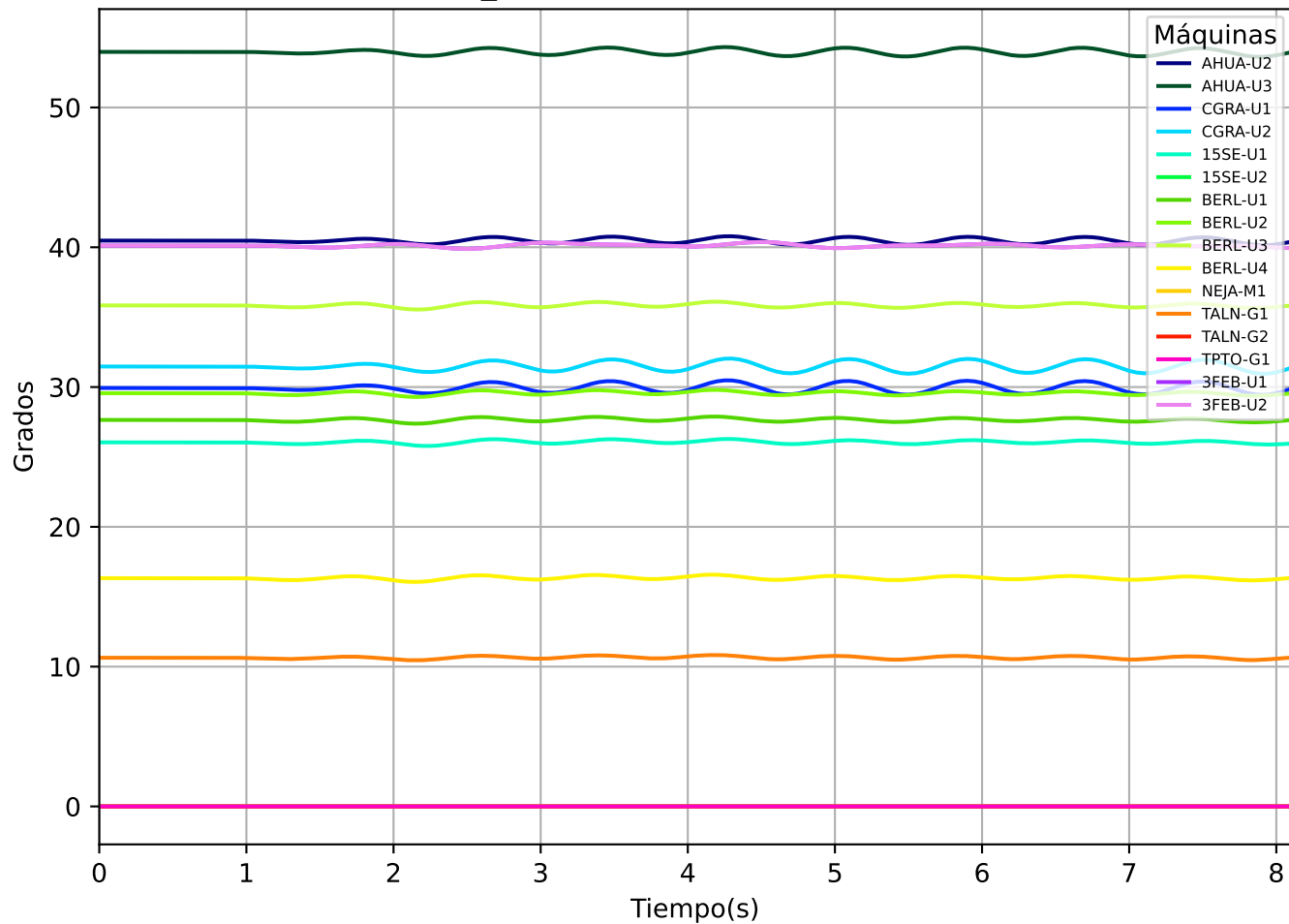
F48_SANT-TALN: FLUJO L-230kV 4



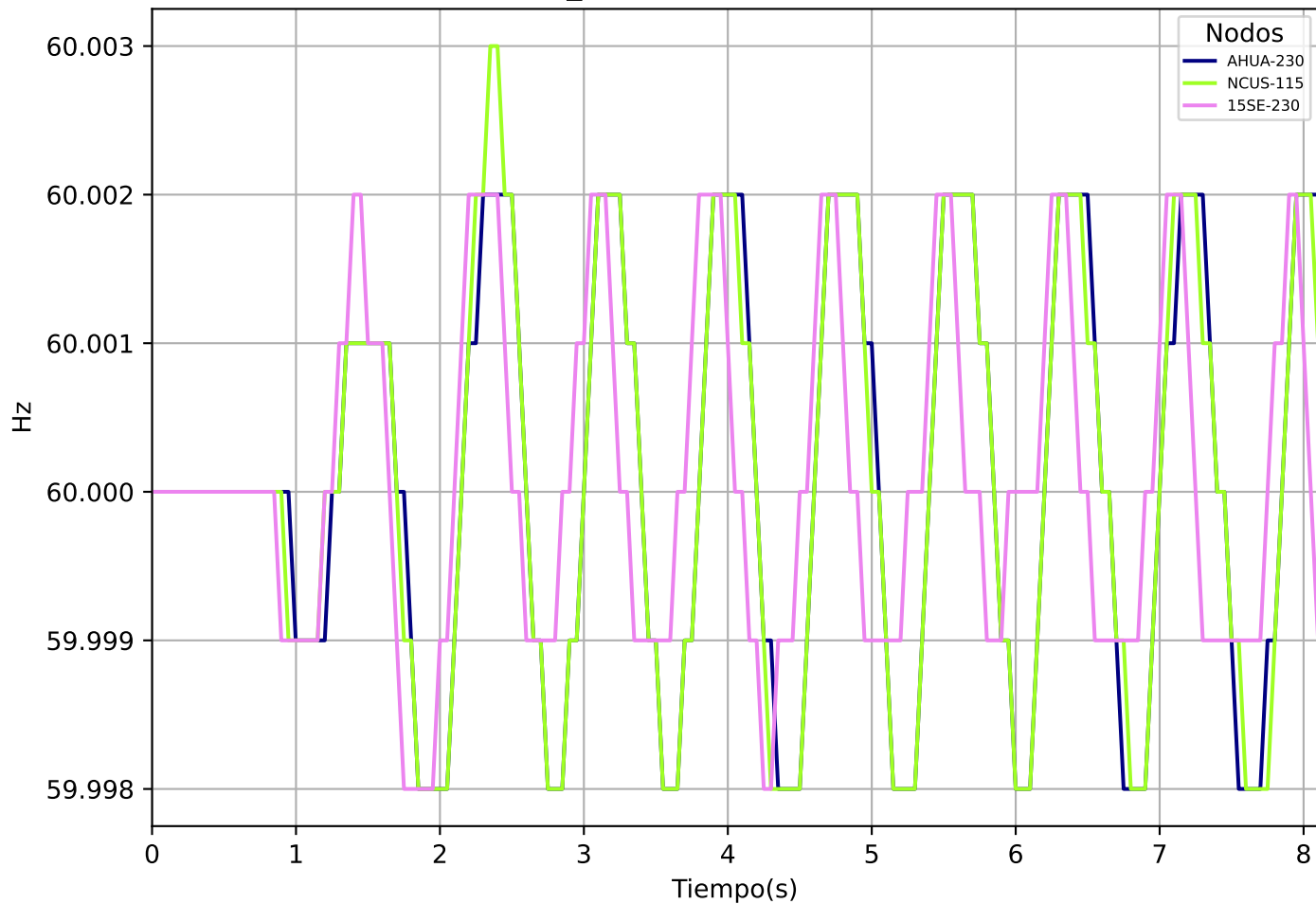
F48_SANT-TALN: ANGULO ROTOR 1



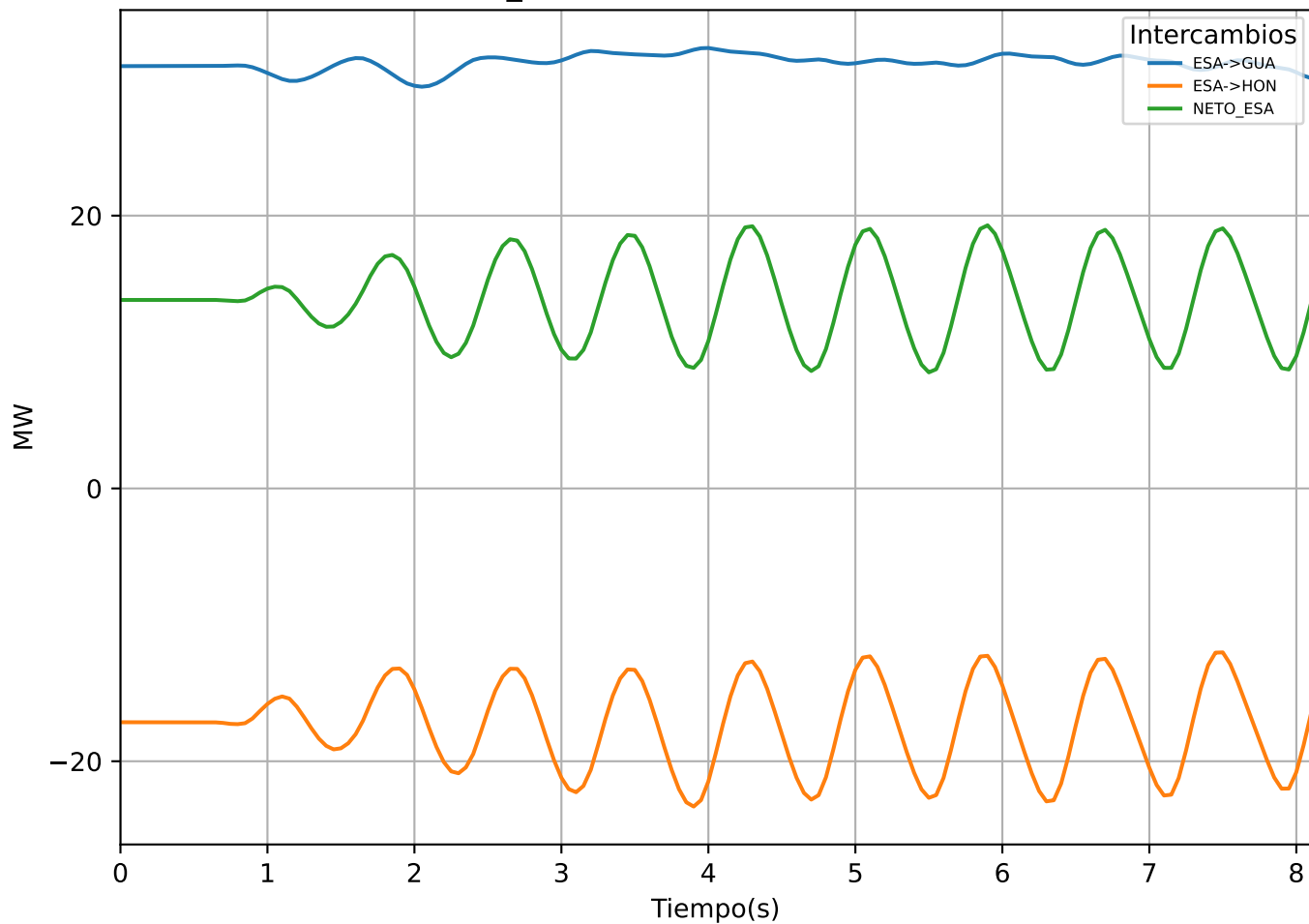
F48_SANT-TALN: ANGULO ROTOR 2



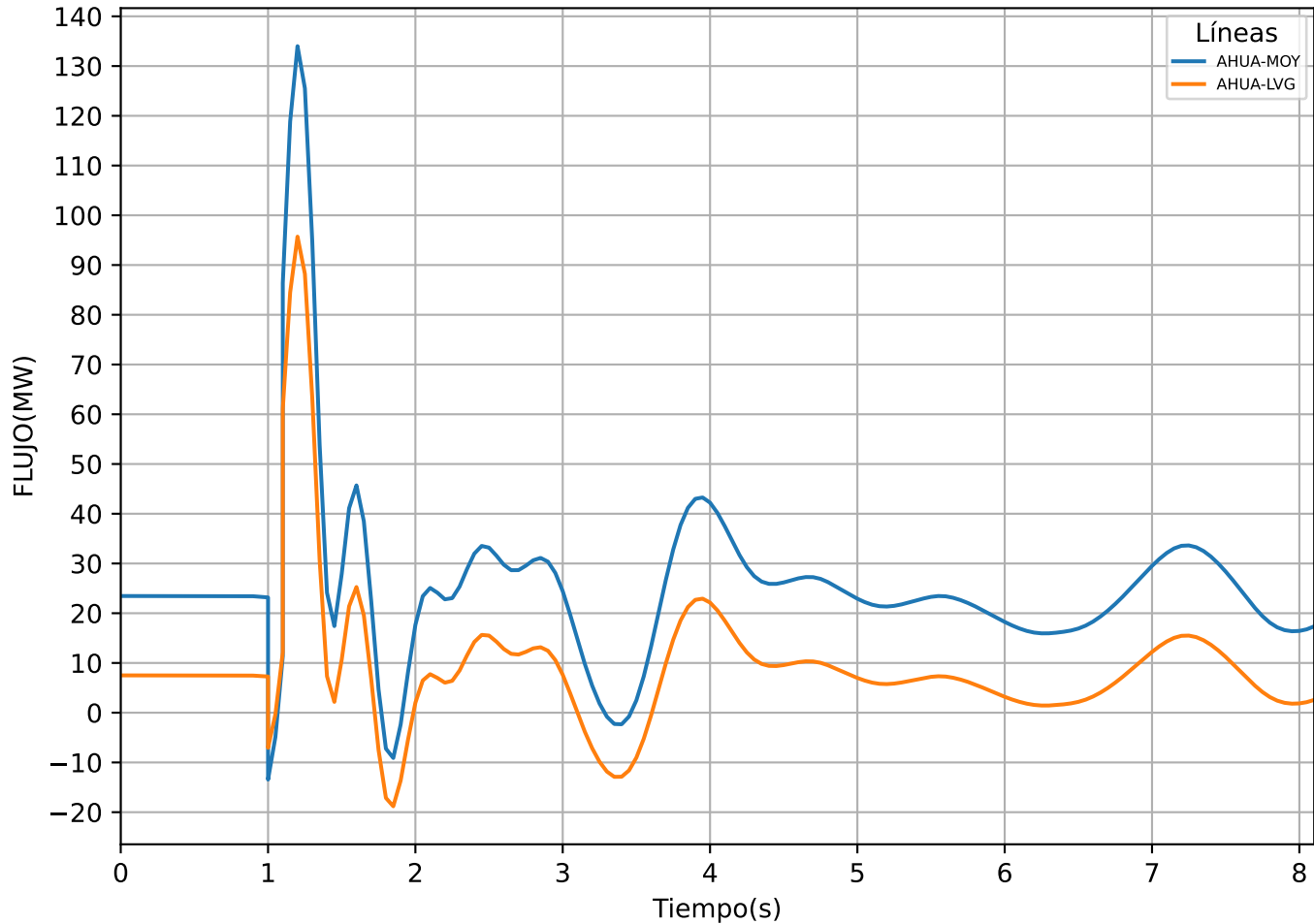
F48_SANT-TALN: FRECUENCIA



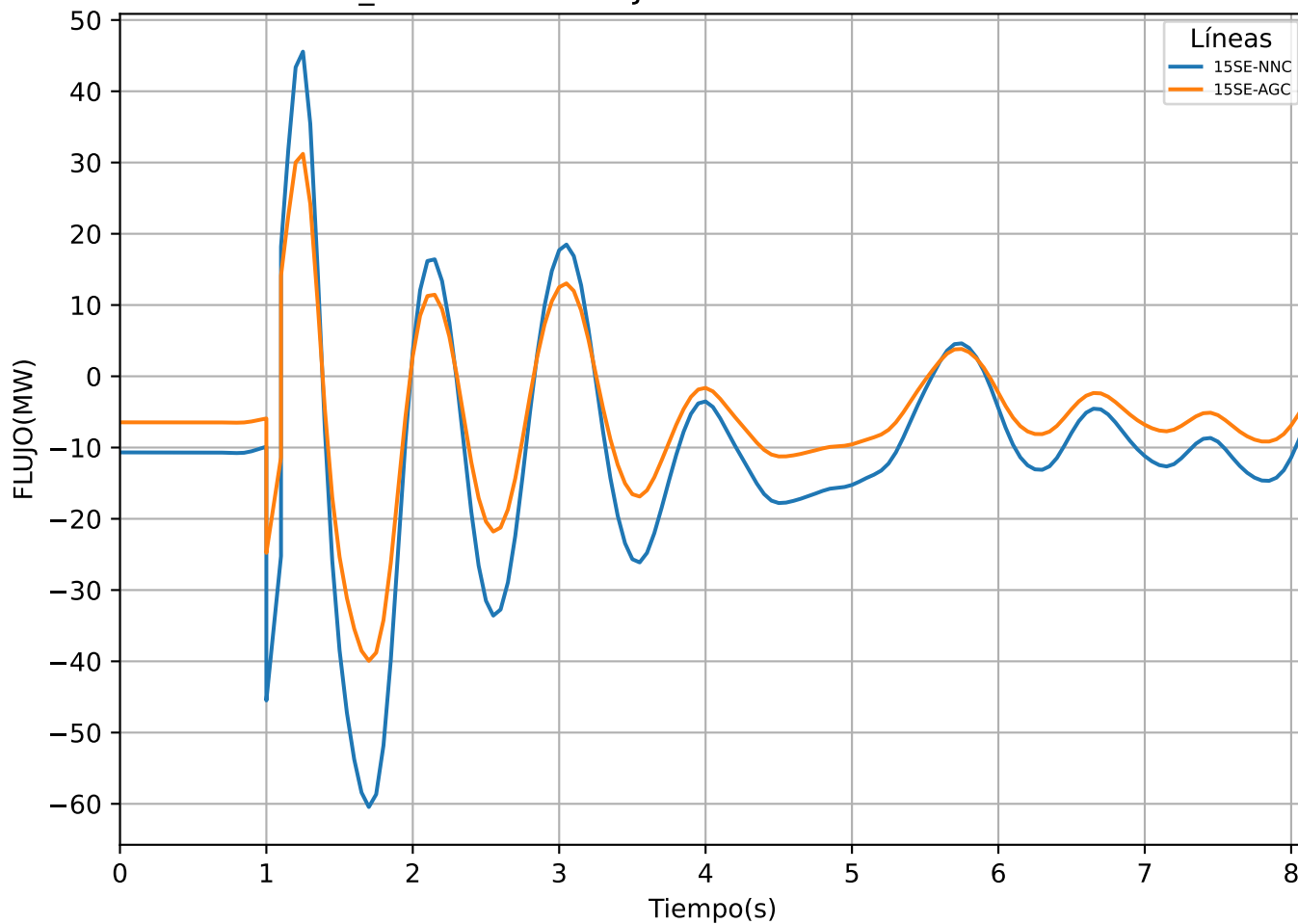
F48_SANT-TALN: Intercambios ESA



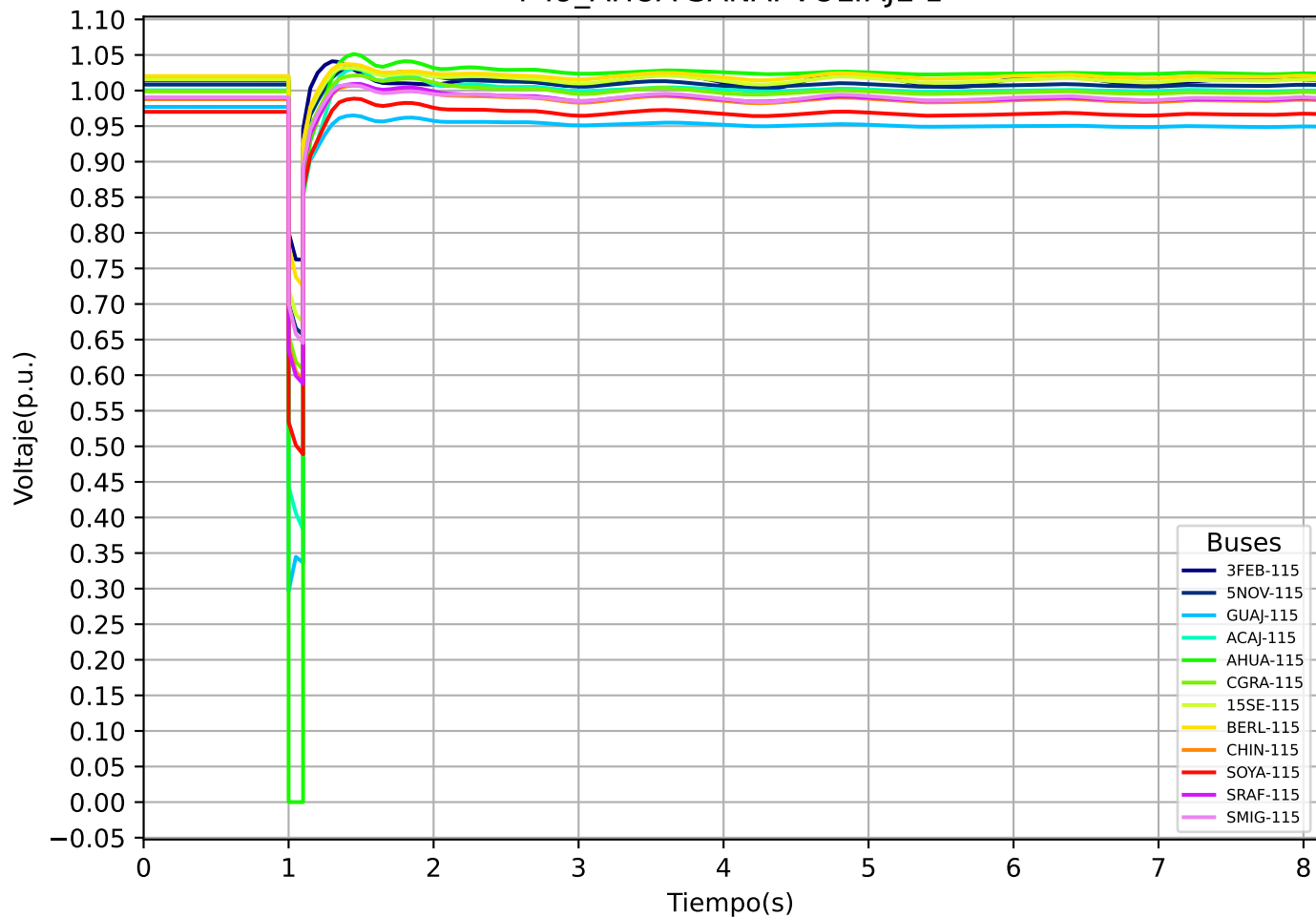
F49_AHUA-SANA: FLUJO INTERCONEXIONES ESA-GUA



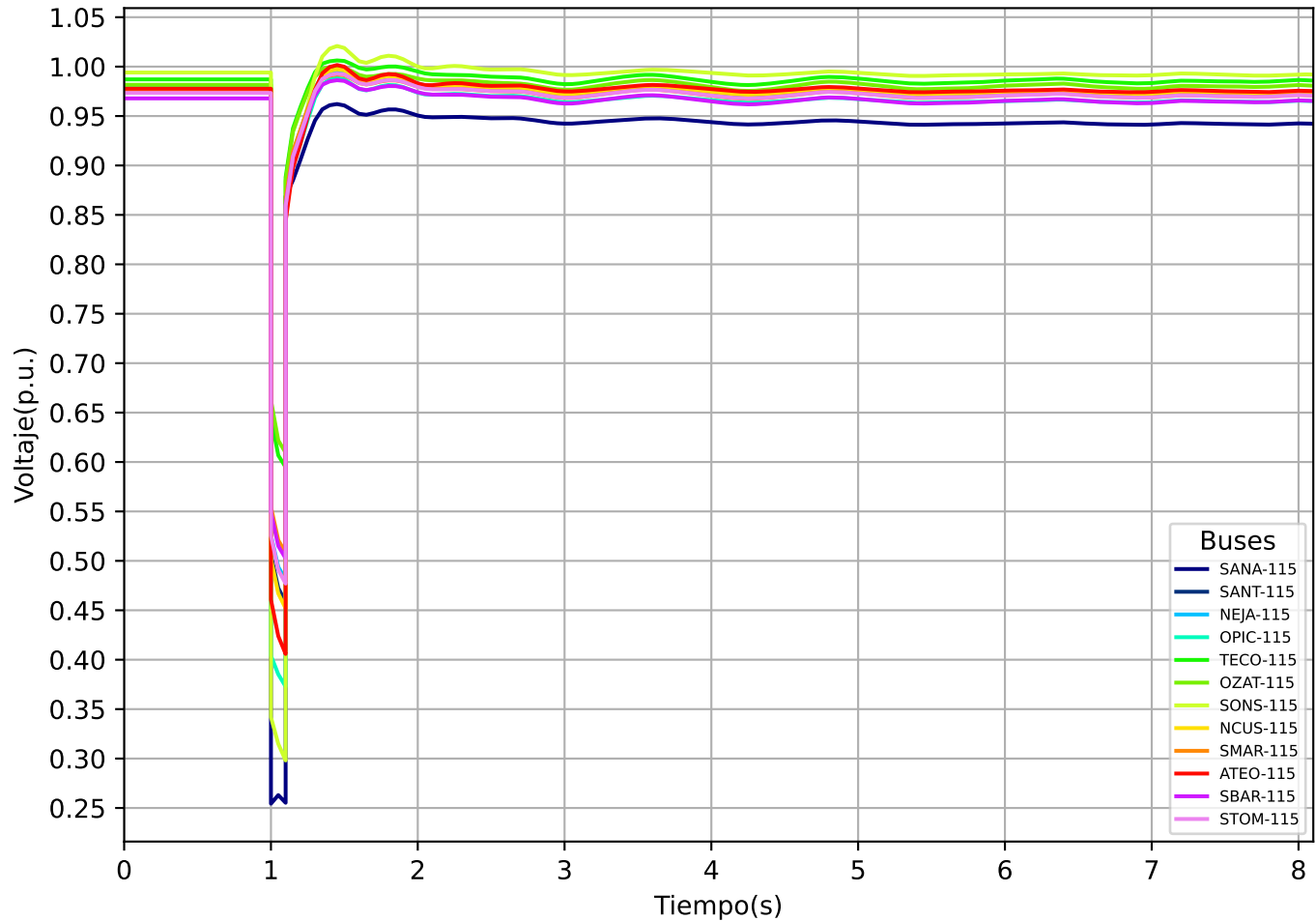
F49_AHUA-SANA: FLUJO INTERCONEXIONES ESA-HON



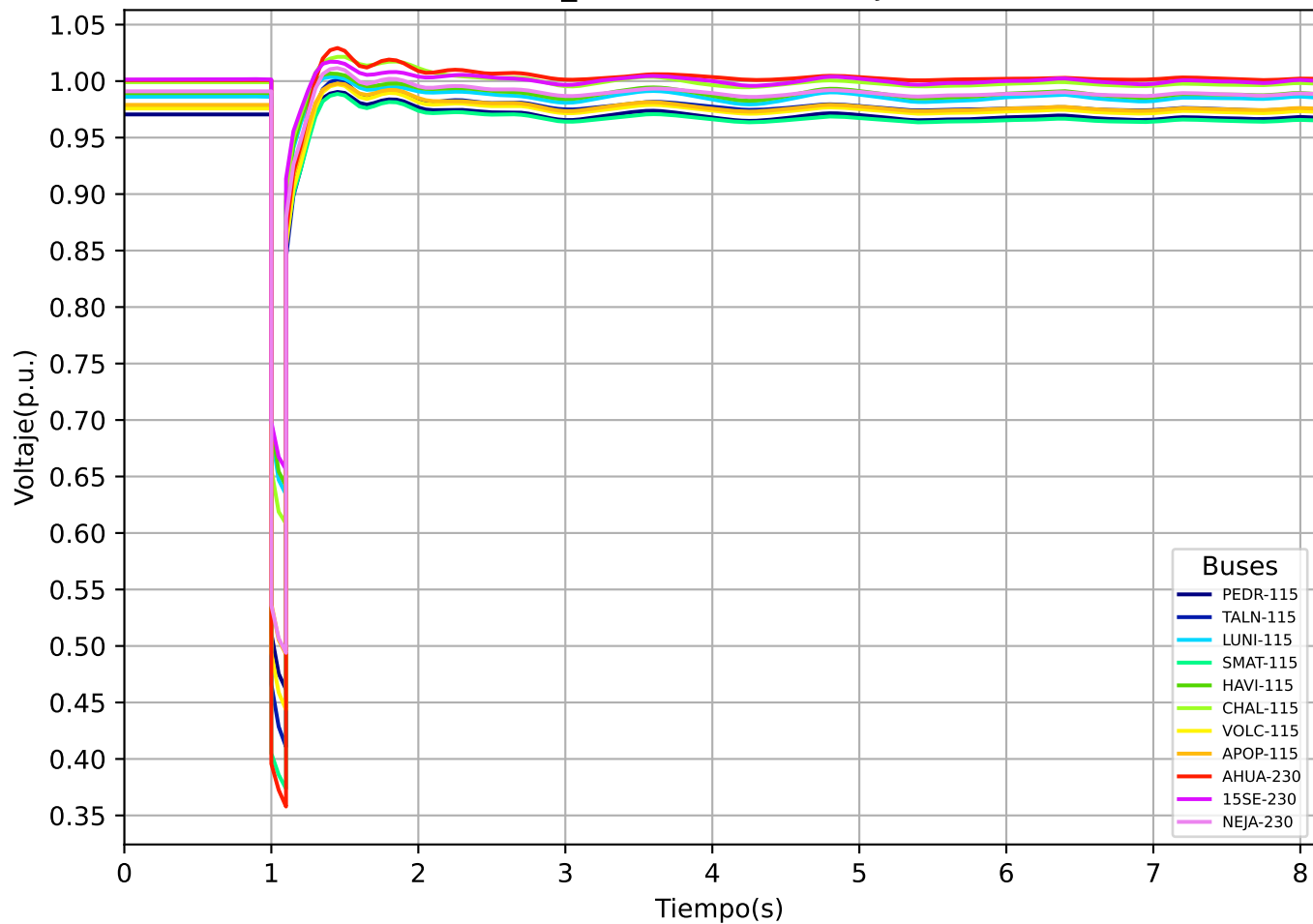
F49_AHUA-SANA: VOLTAJE 1



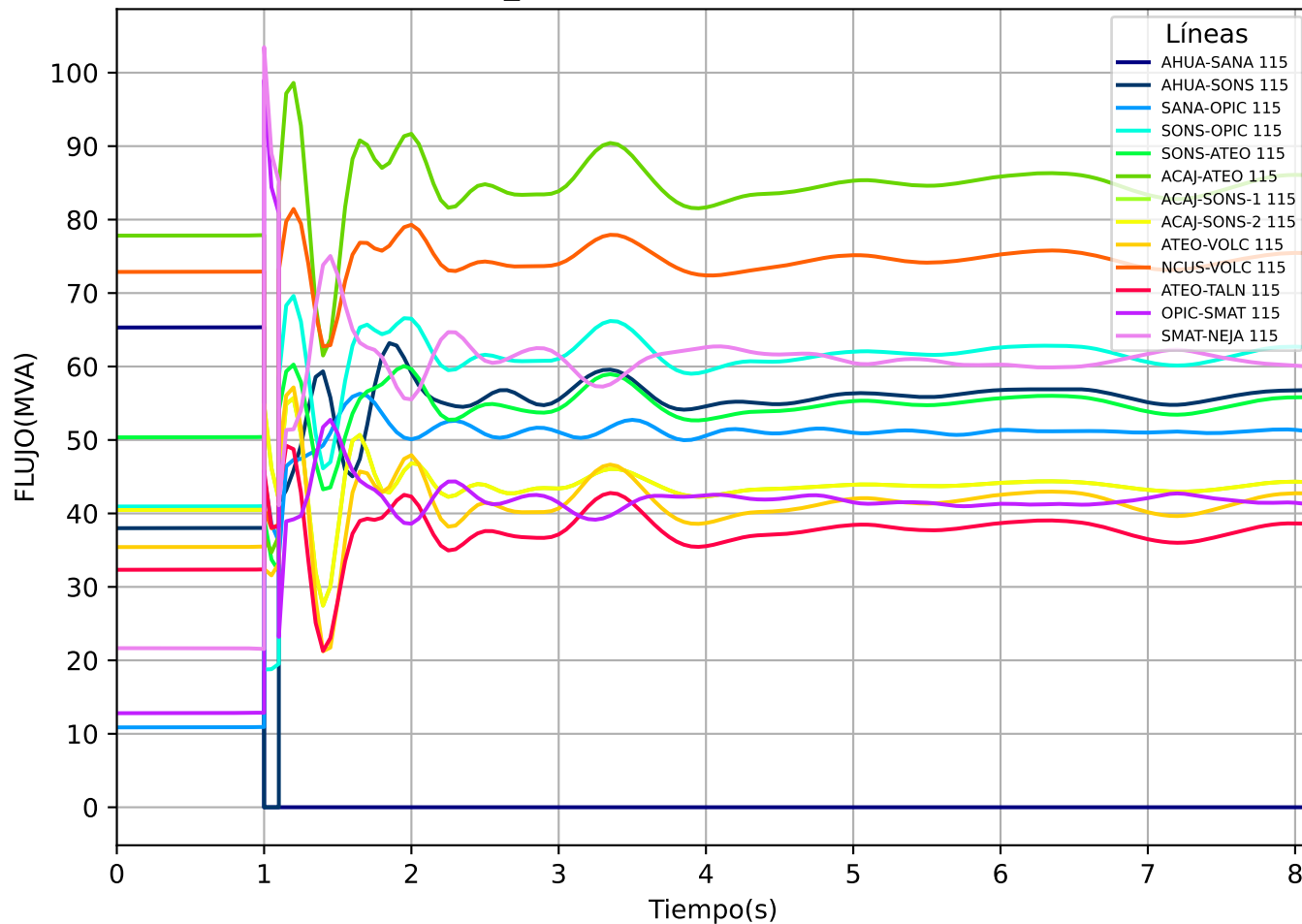
F49_AHUA-SANA: VOLTAJE 2



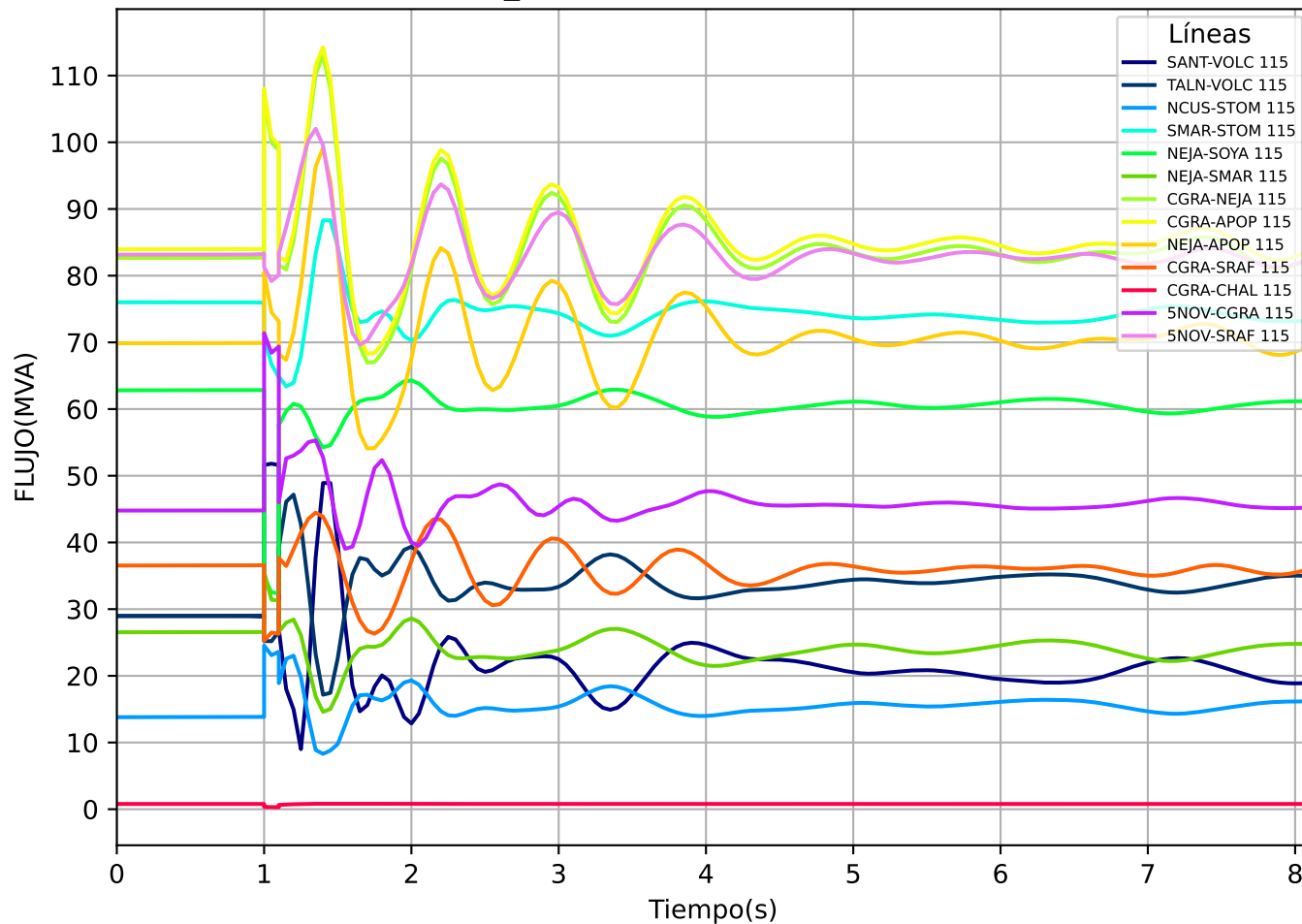
F49_AHUA-SANA: VOLTAJE 3



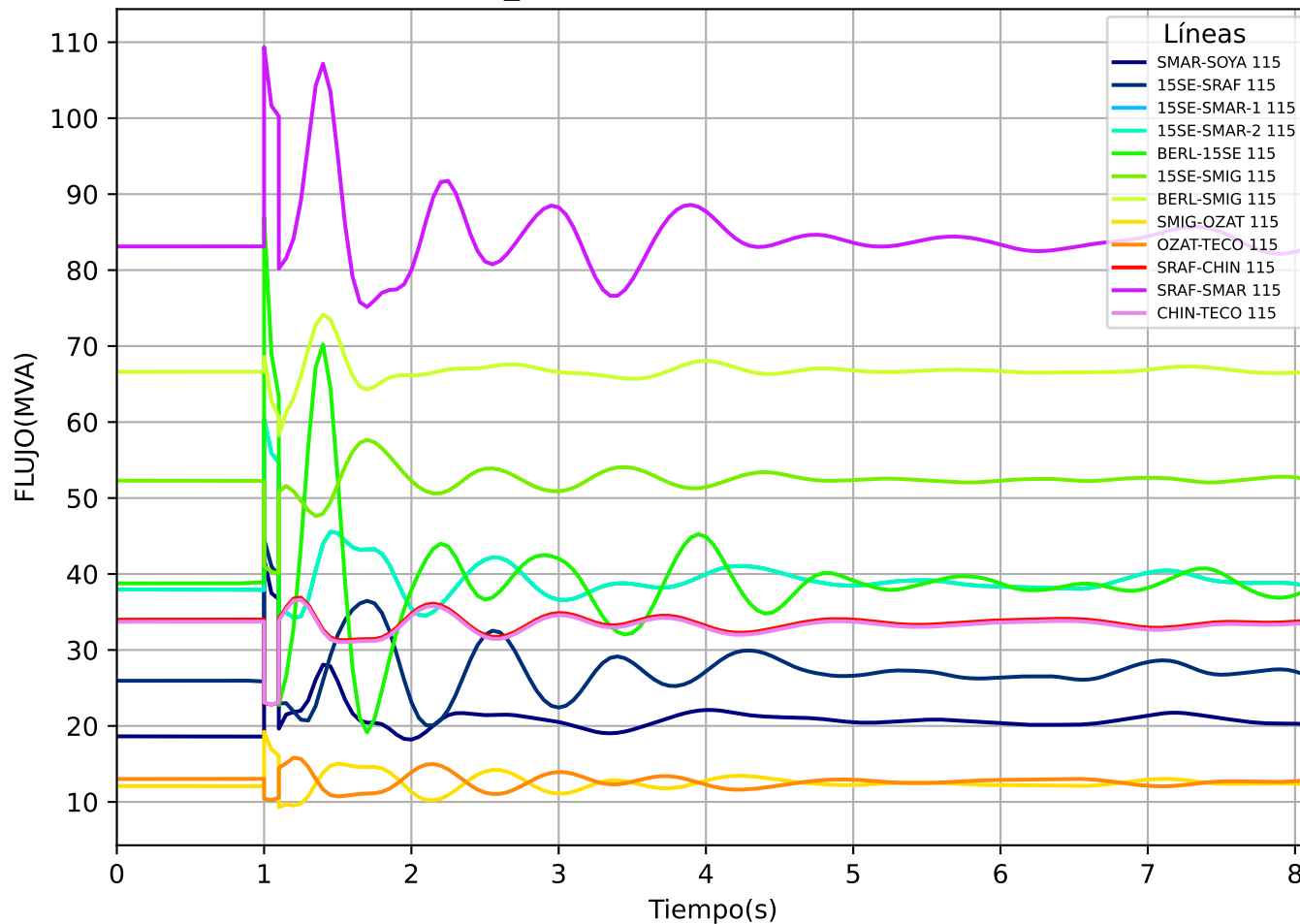
F49_AHUA-SANA: FLUJO L-115kV 1



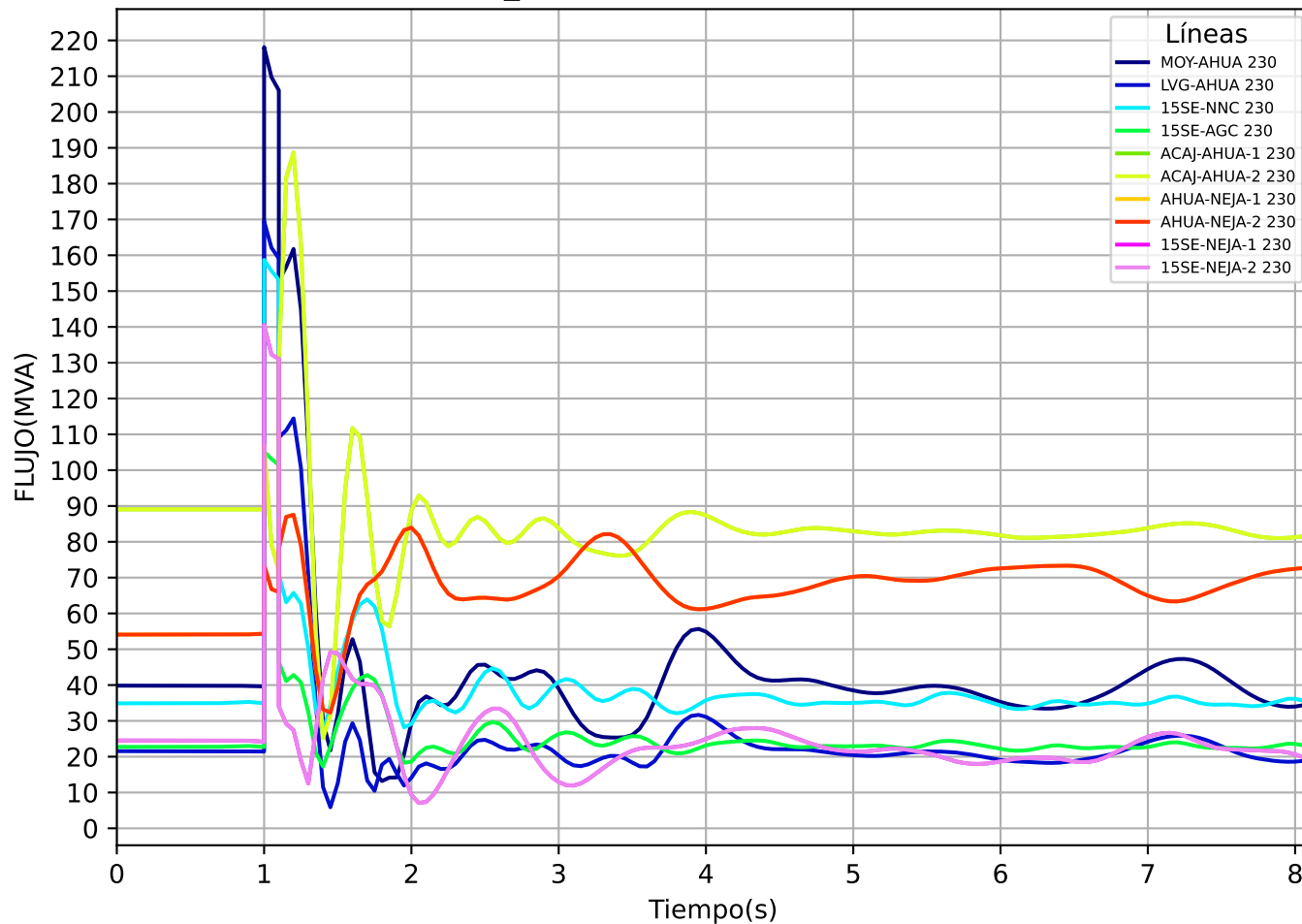
F49_AHUA-SANA: FLUJO L-115kV 2



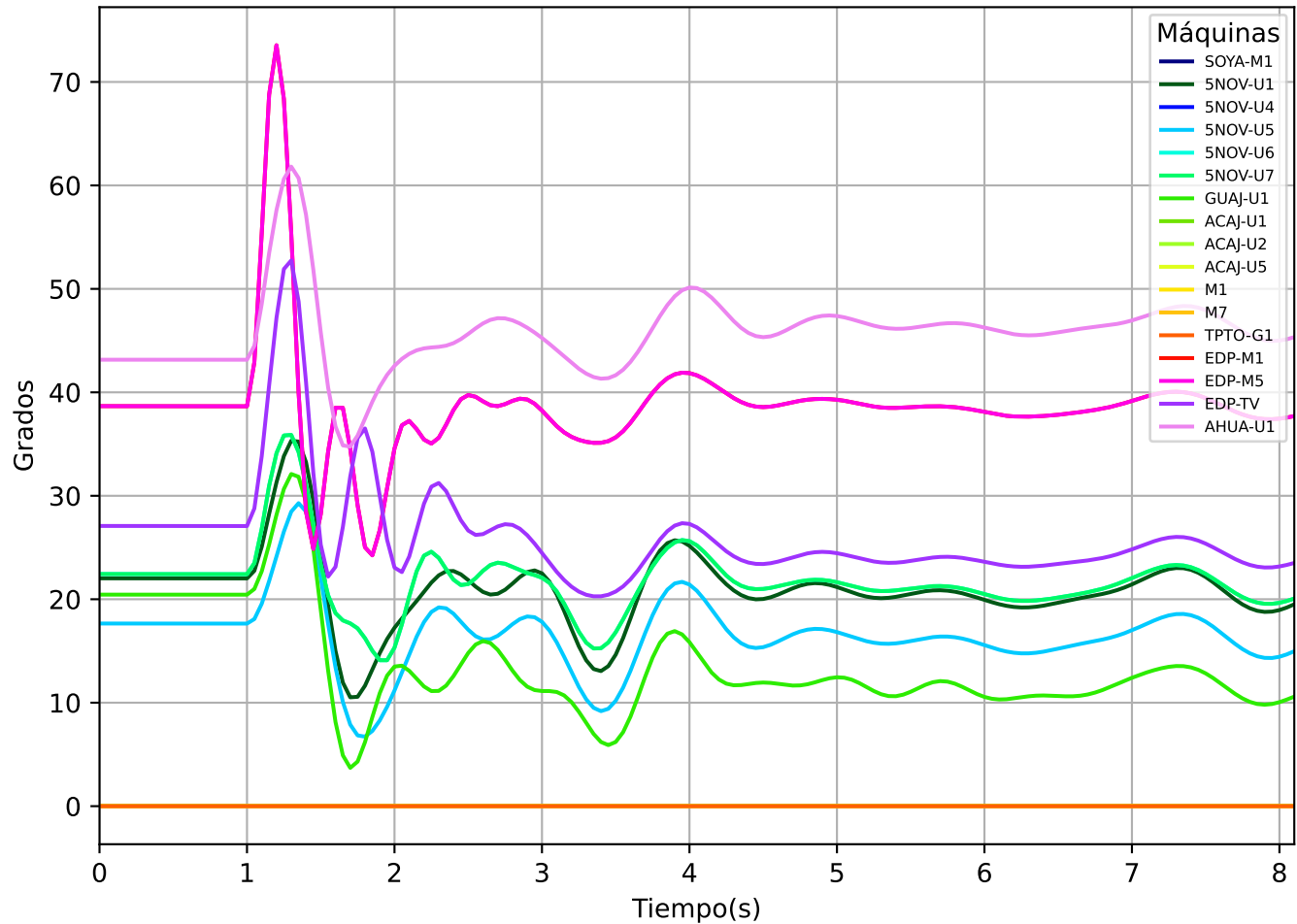
F49_AHUA-SANA: FLUJO L-115kV 3



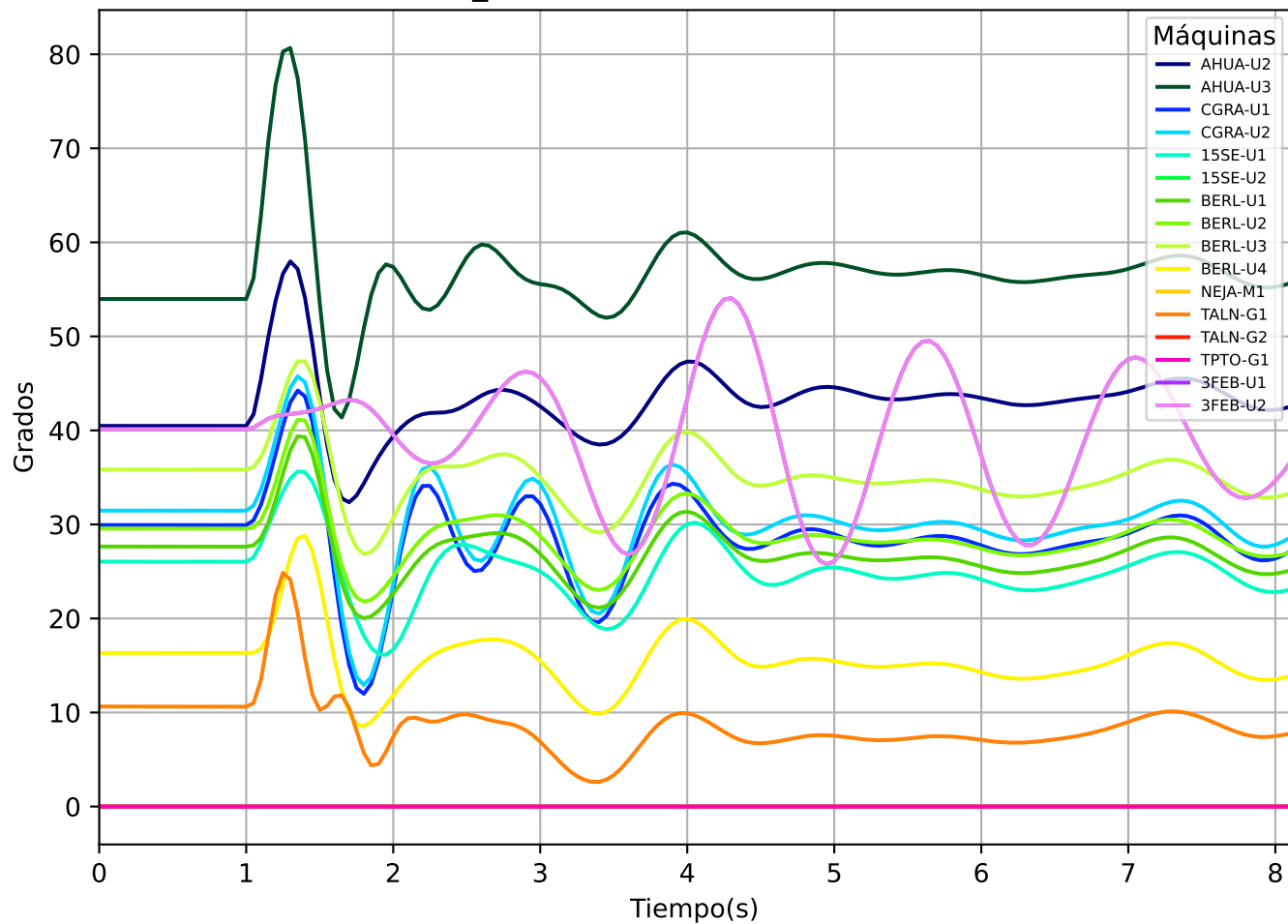
F49_AHUA-SANA: FLUJO L-230kV 4



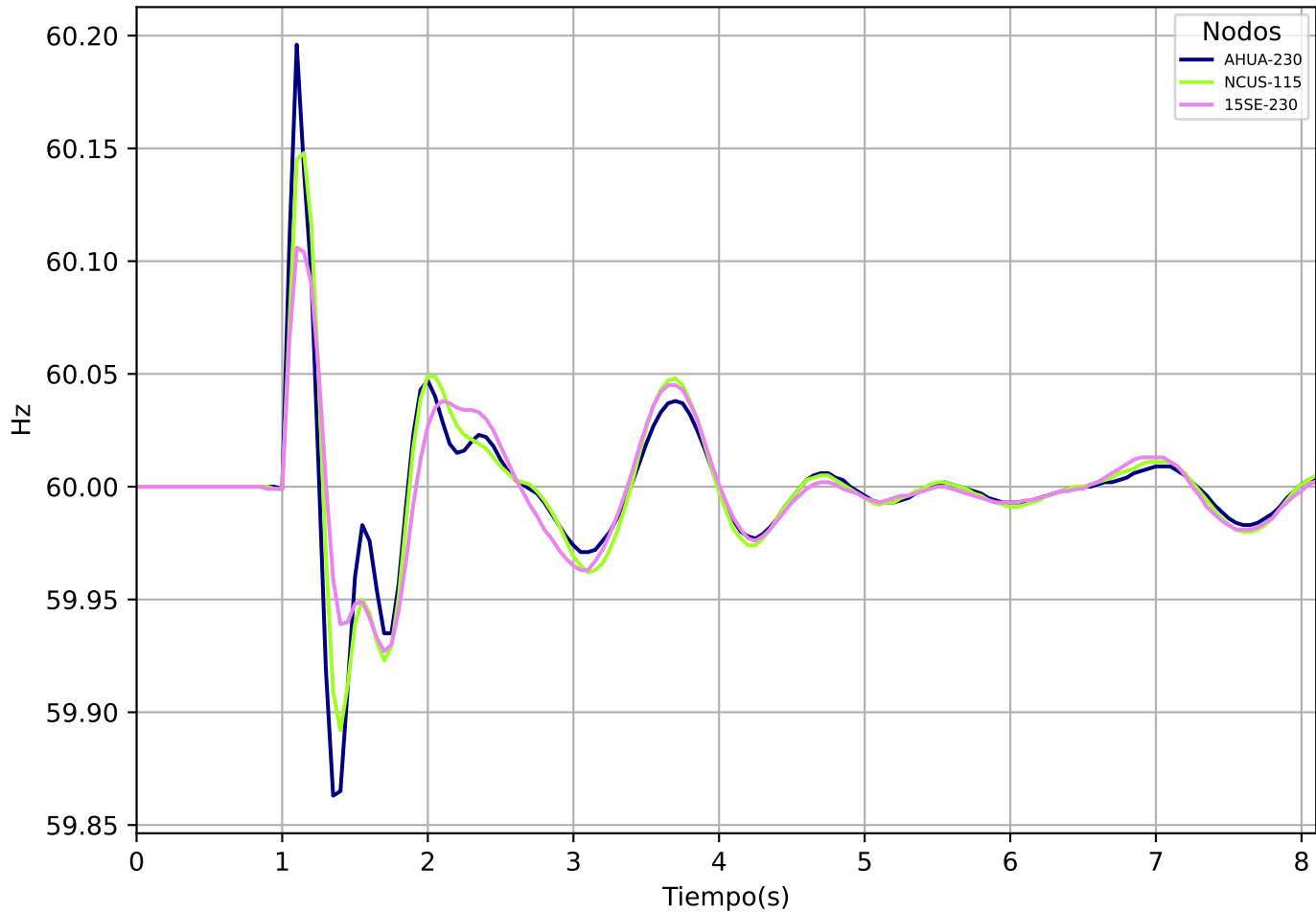
F49_AHUA-SANA: ANGULO ROTOR 1



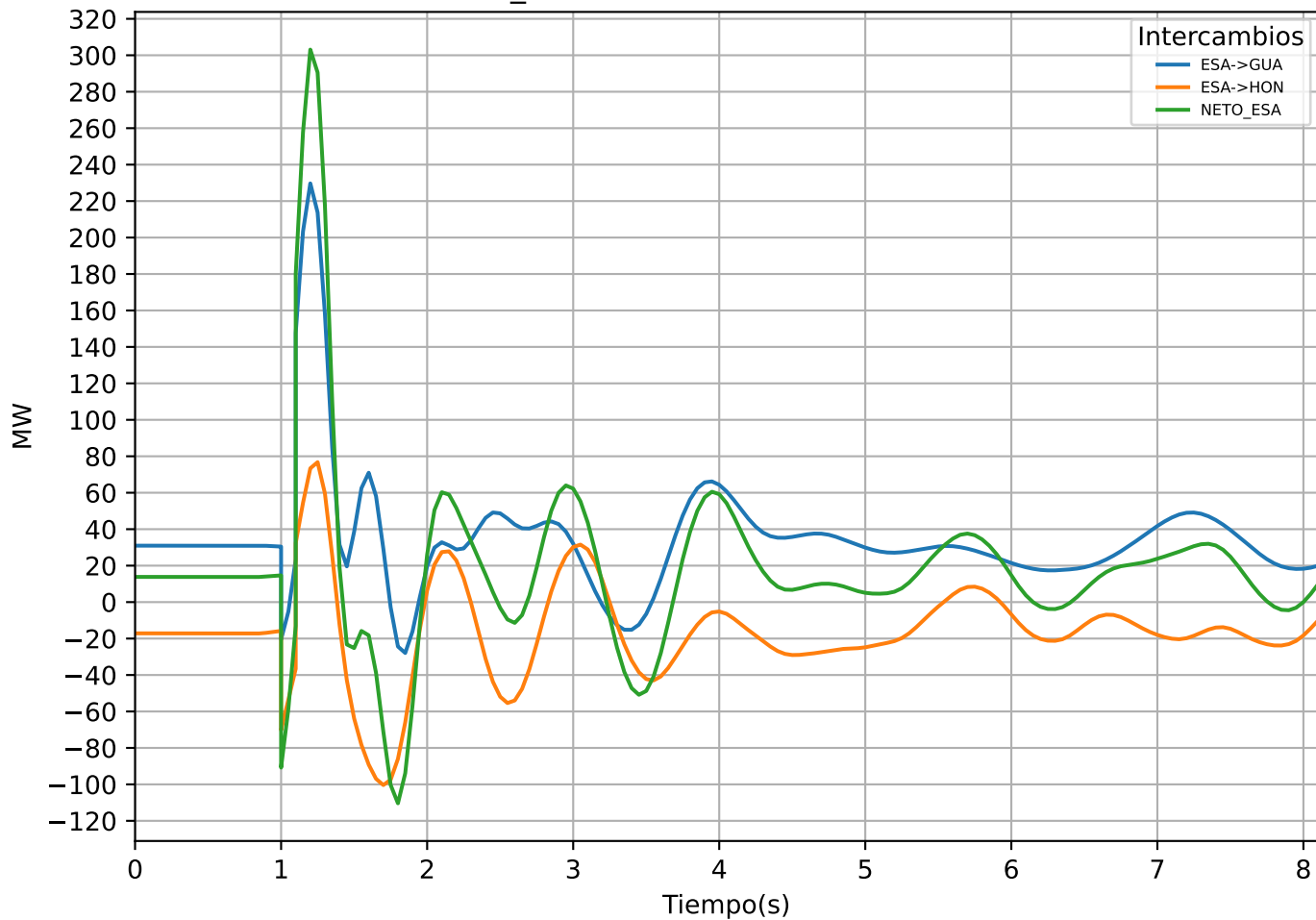
F49_AHUA-SANA: ANGULO ROTOR 2



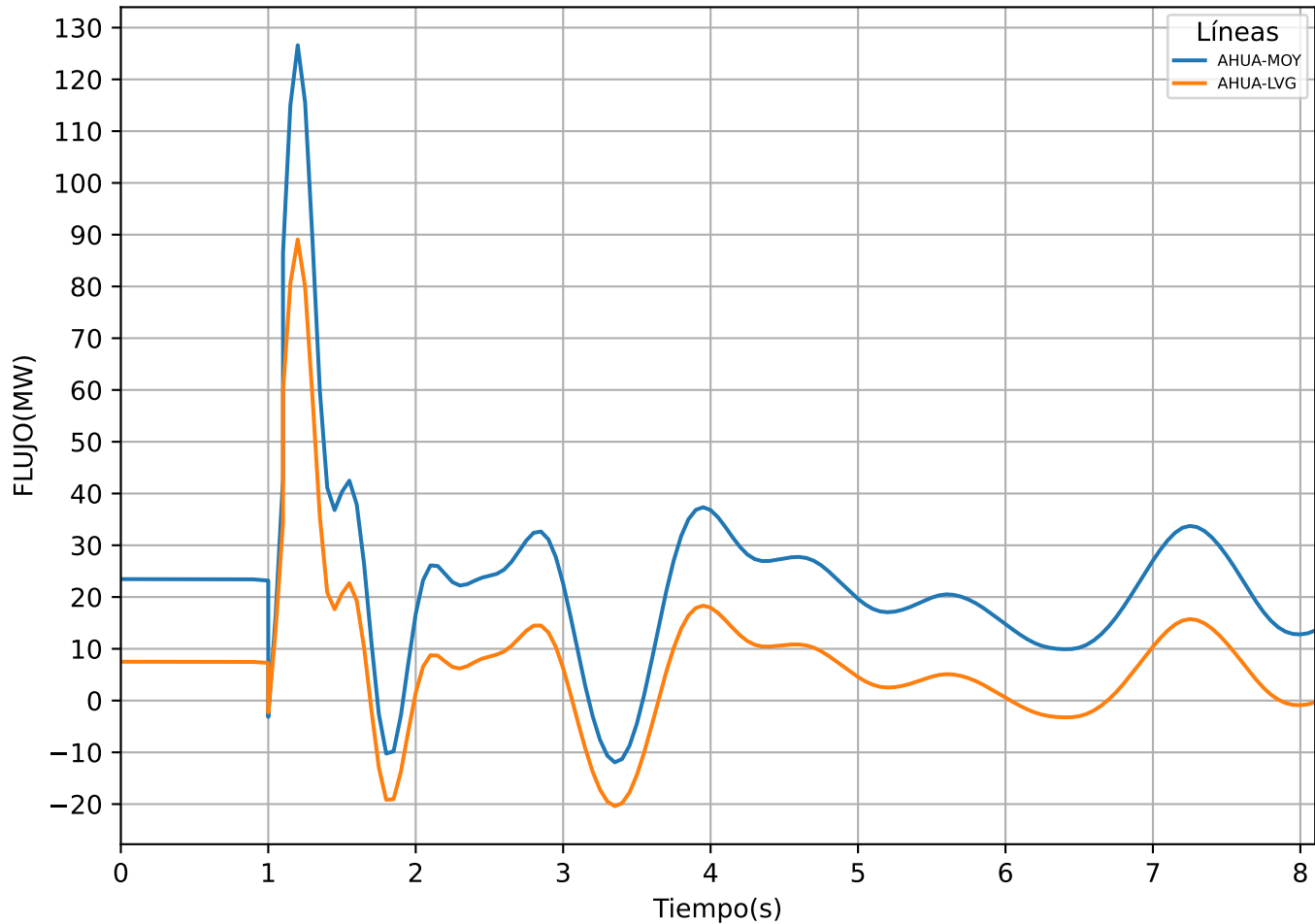
F49_AHUA-SANA: FRECUENCIA



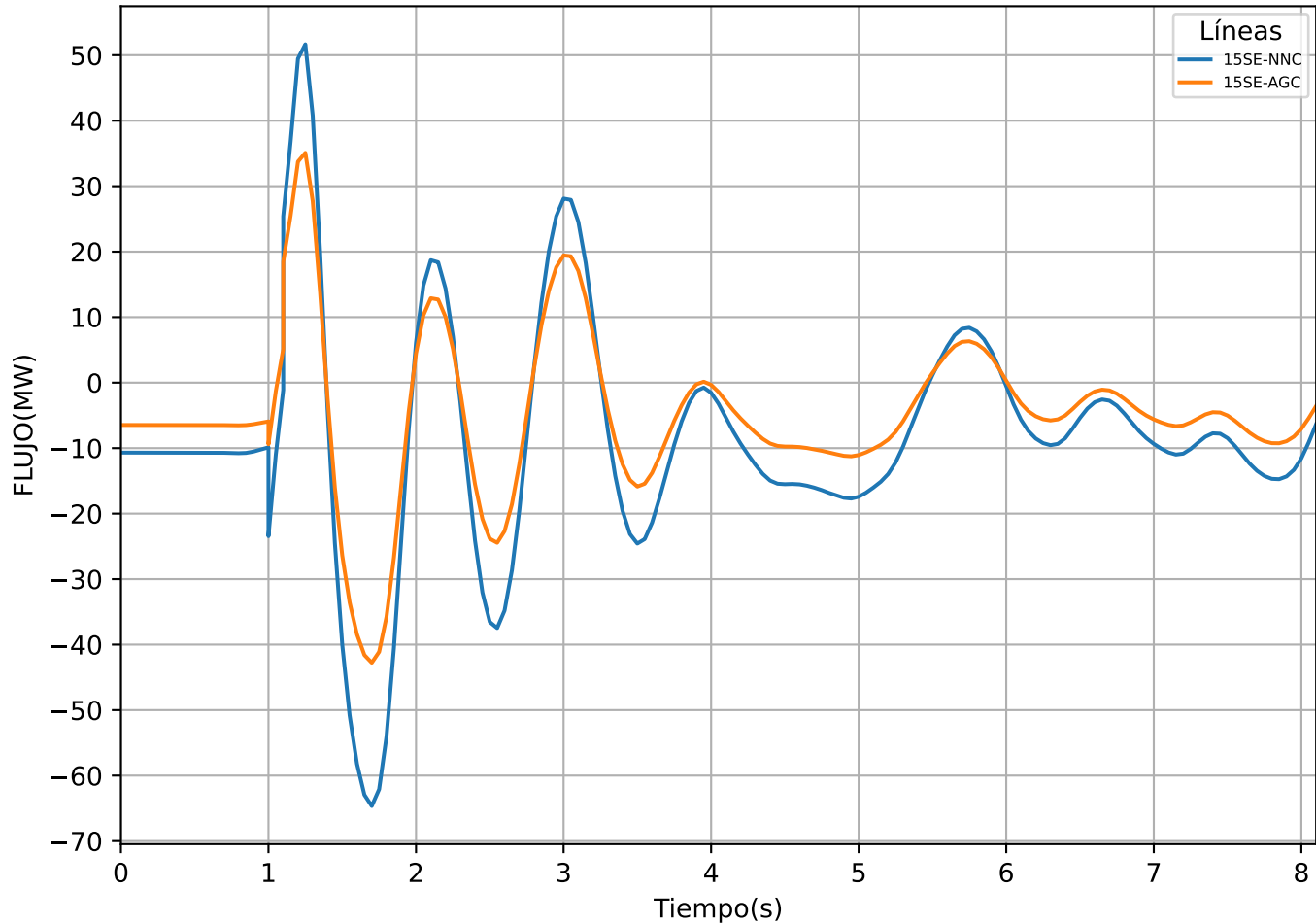
F49_AHUA-SANA: Intercambios ESA



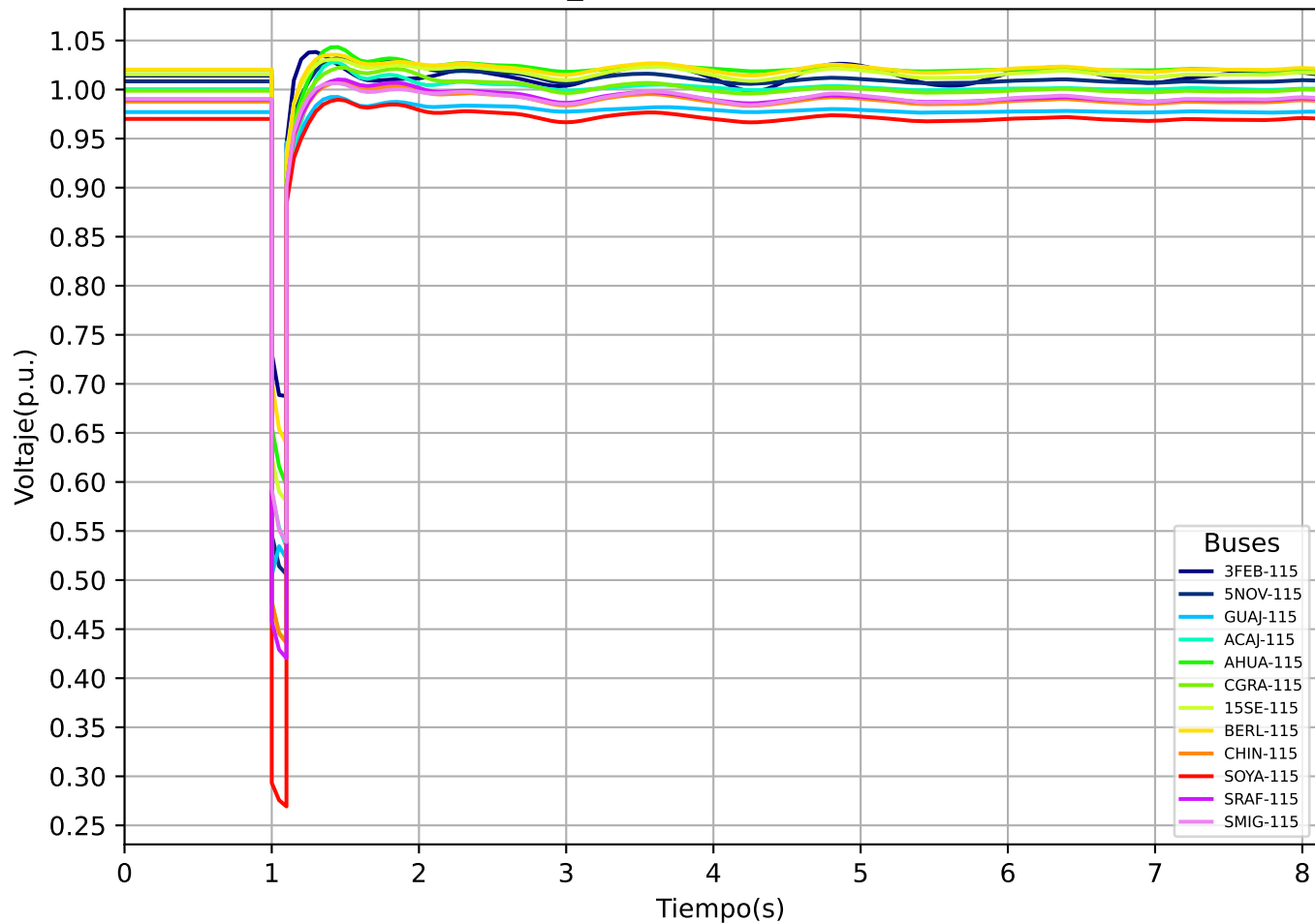
F50_SANT-VOLC: FLUJO INTERCONEXIONES ESA-GUA



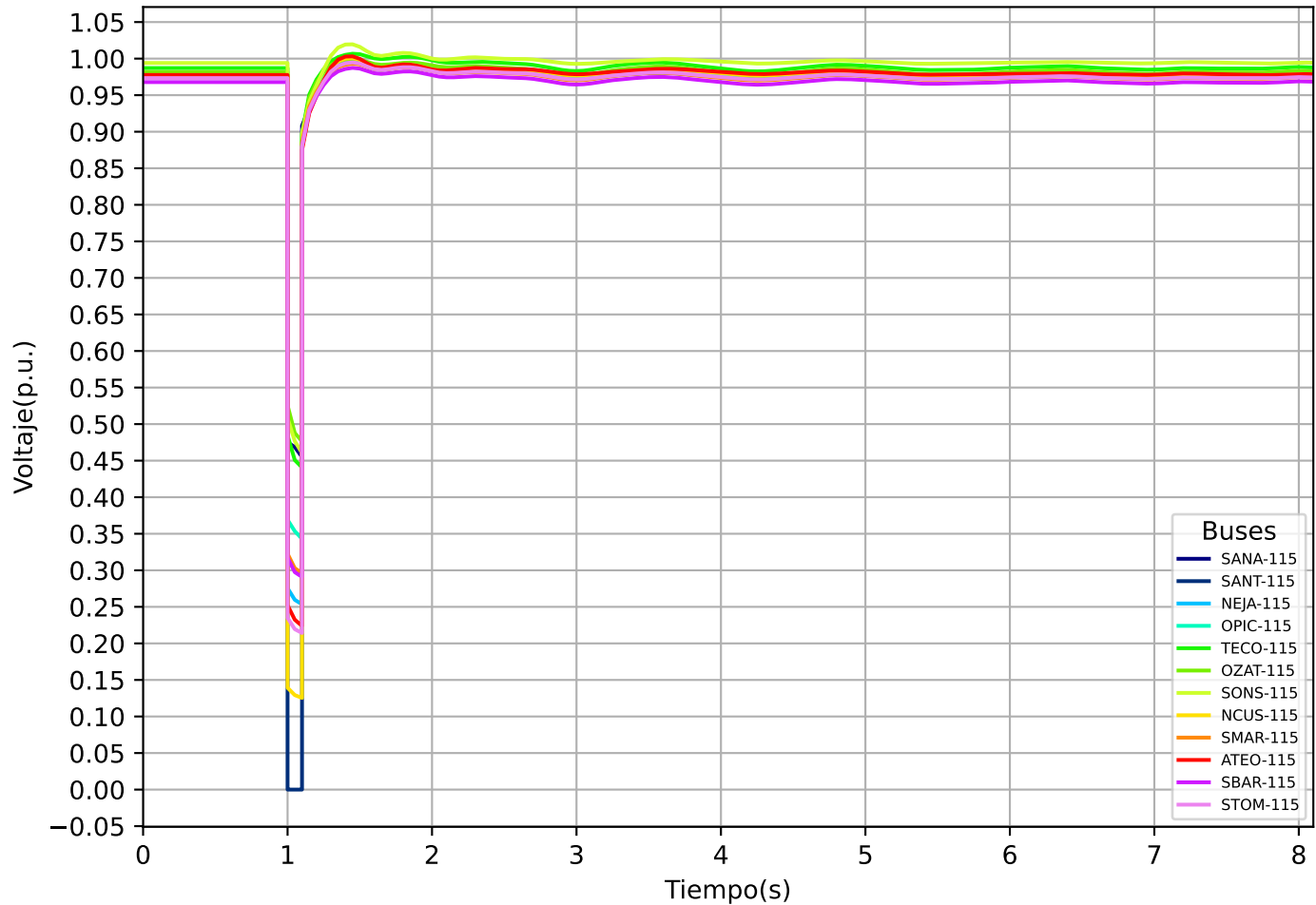
F50_SANT-VOLC: FLUJO INTERCONEXIONES ESA-HON



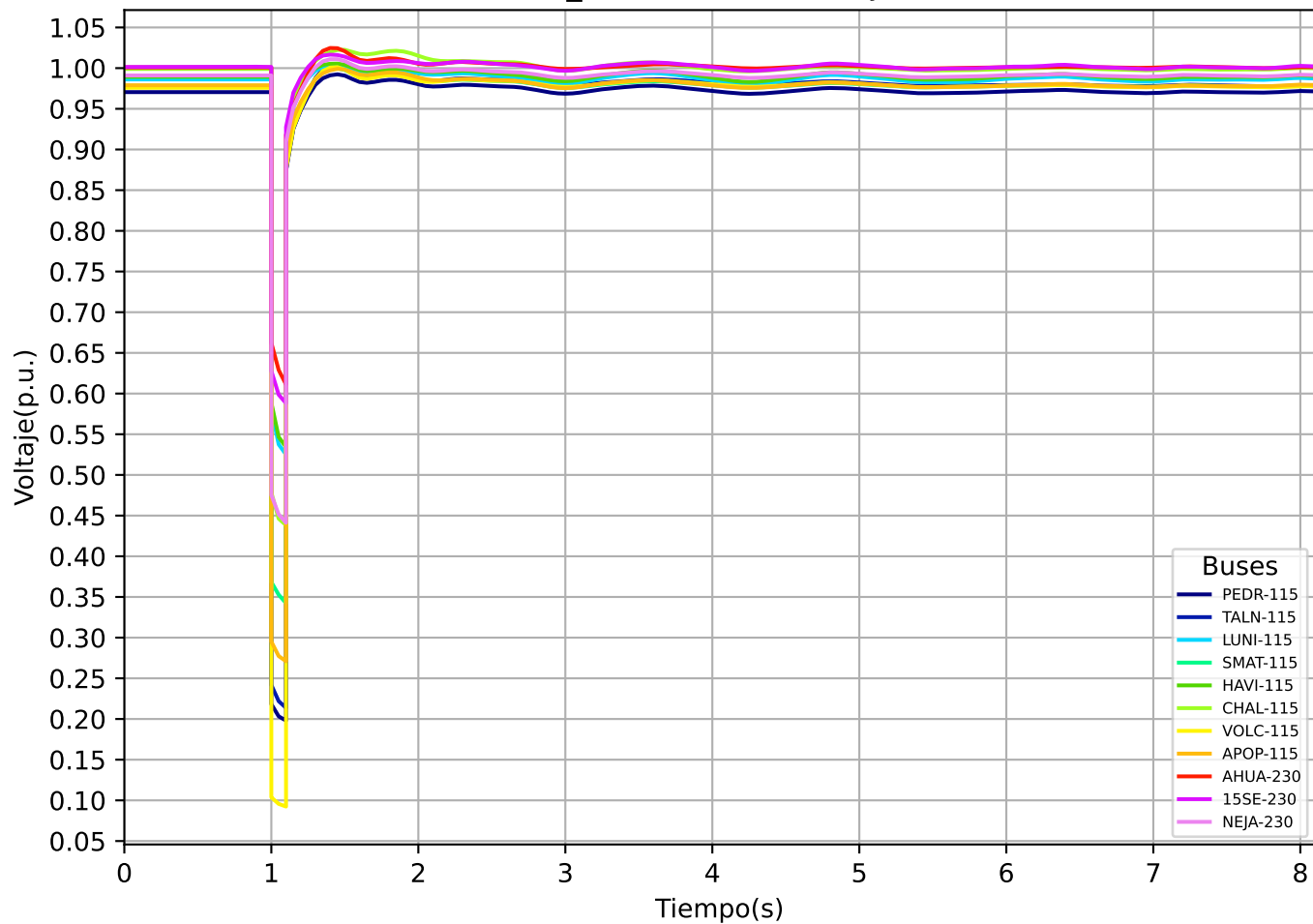
F50_SANT-VOLC: VOLTAJE 1



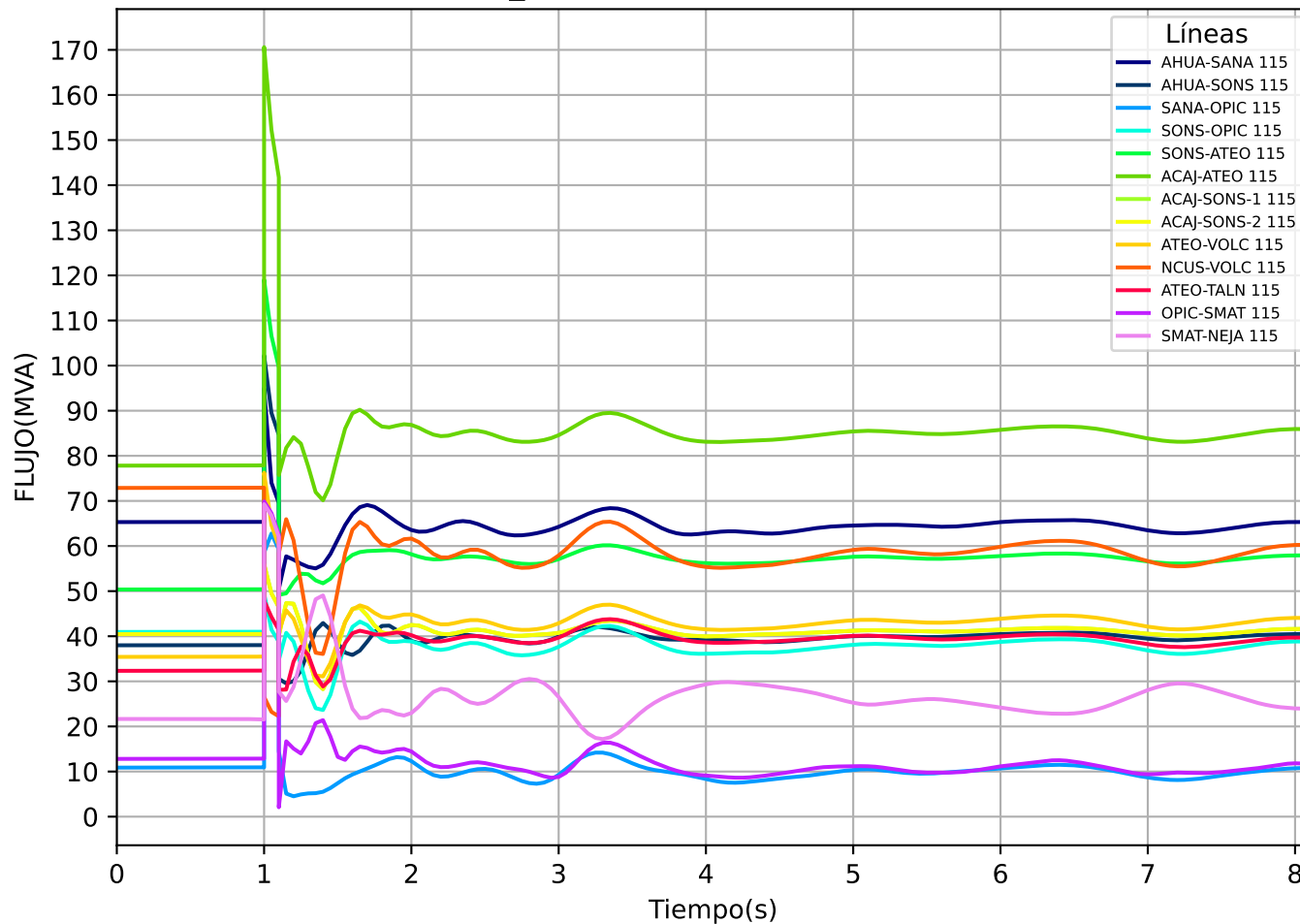
F50_SANT-VOLC: VOLTAJE 2



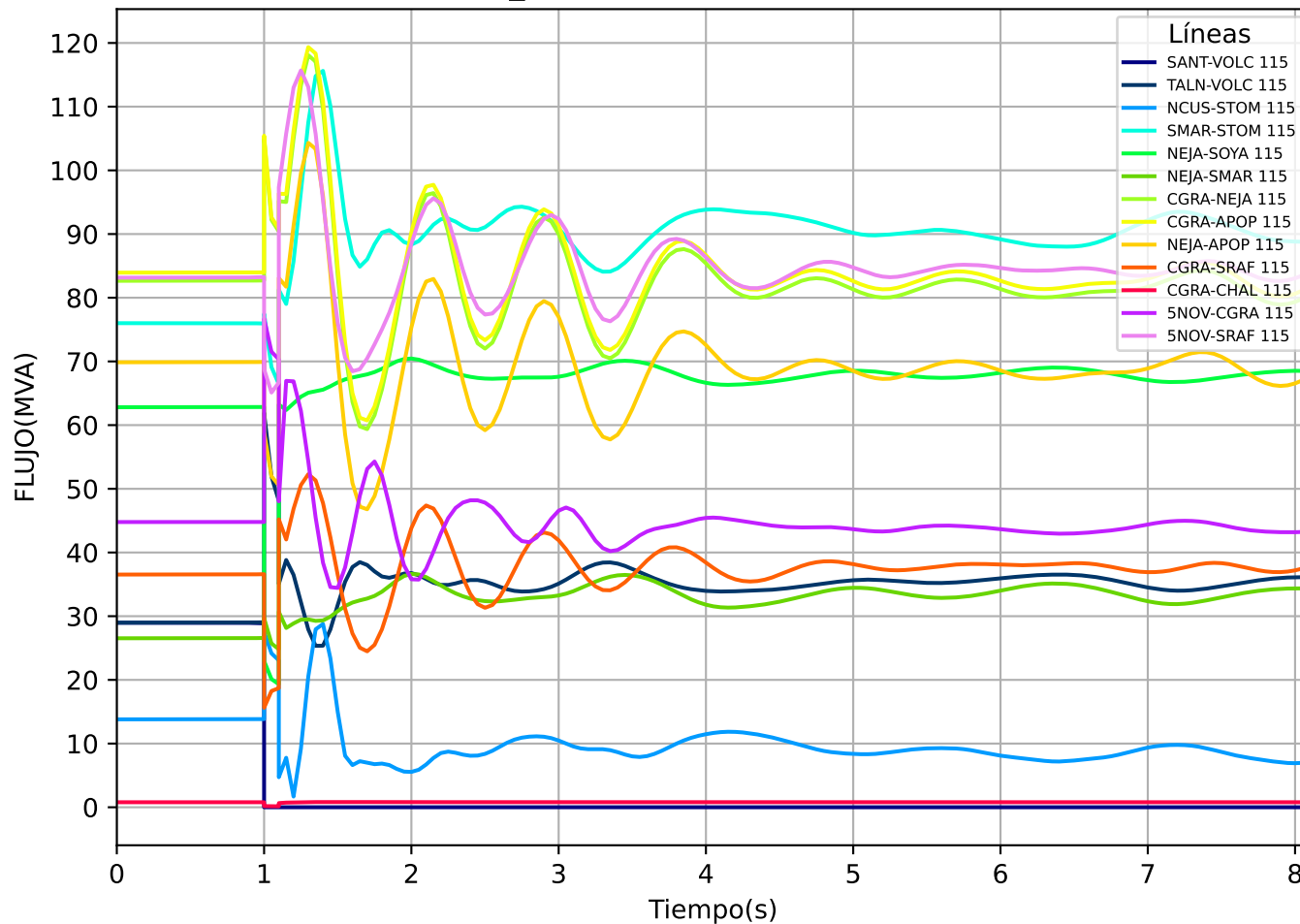
F50_SANT-VOLC: VOLTAJE 3



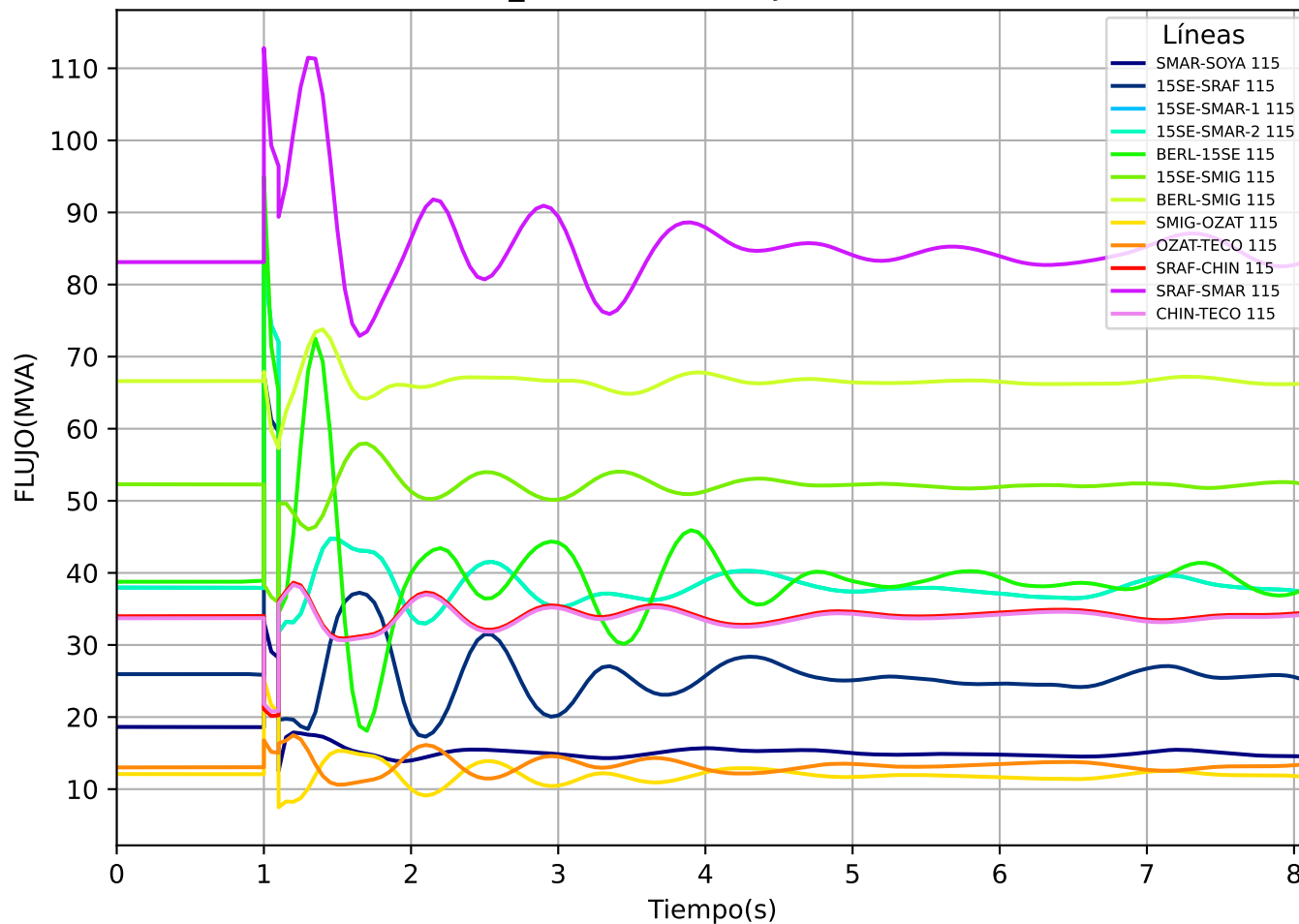
F50_SANT-VOLC: FLUJO L-115kV 1



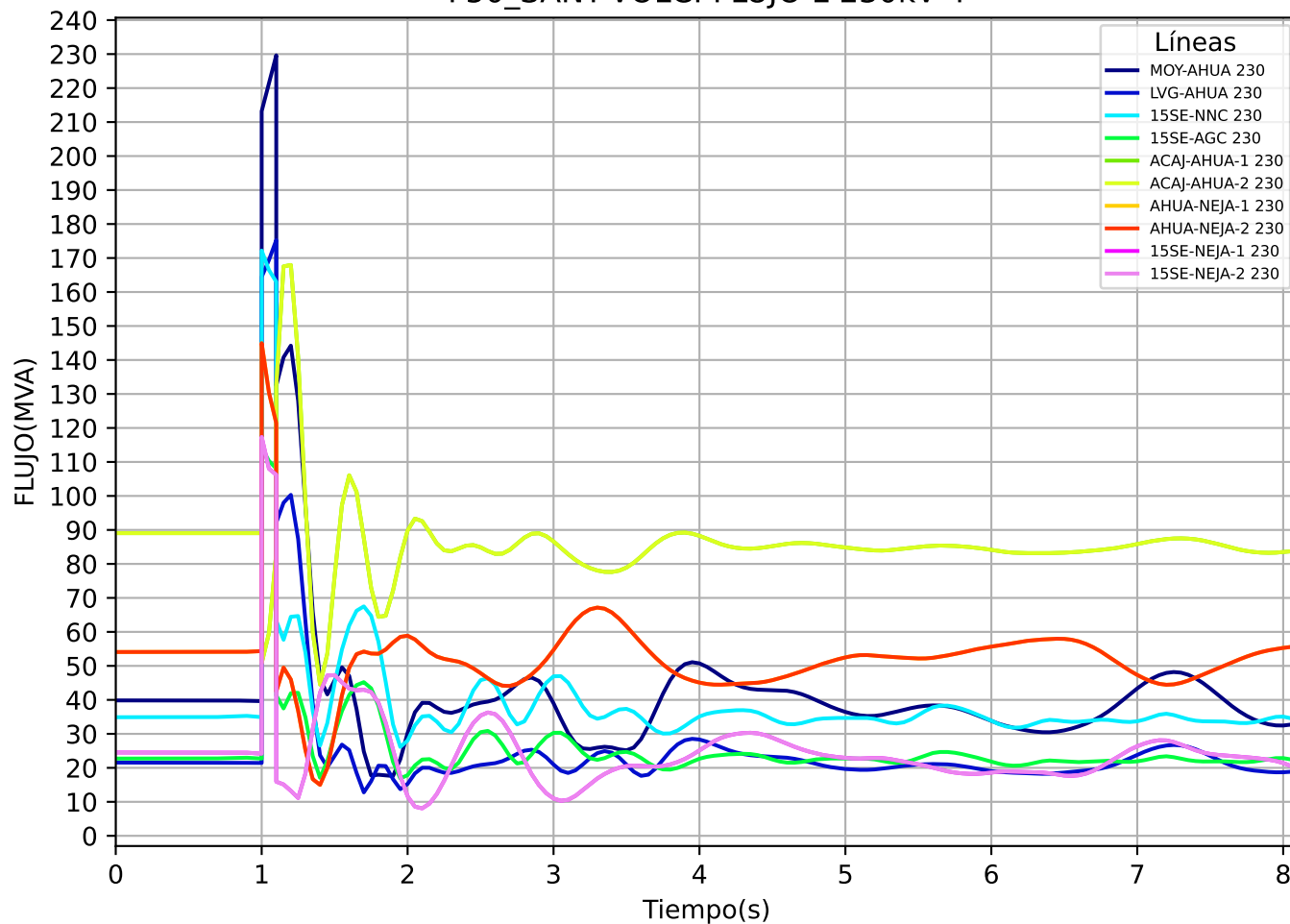
F50_SANT-VOLC: FLUJO L-115kV 2



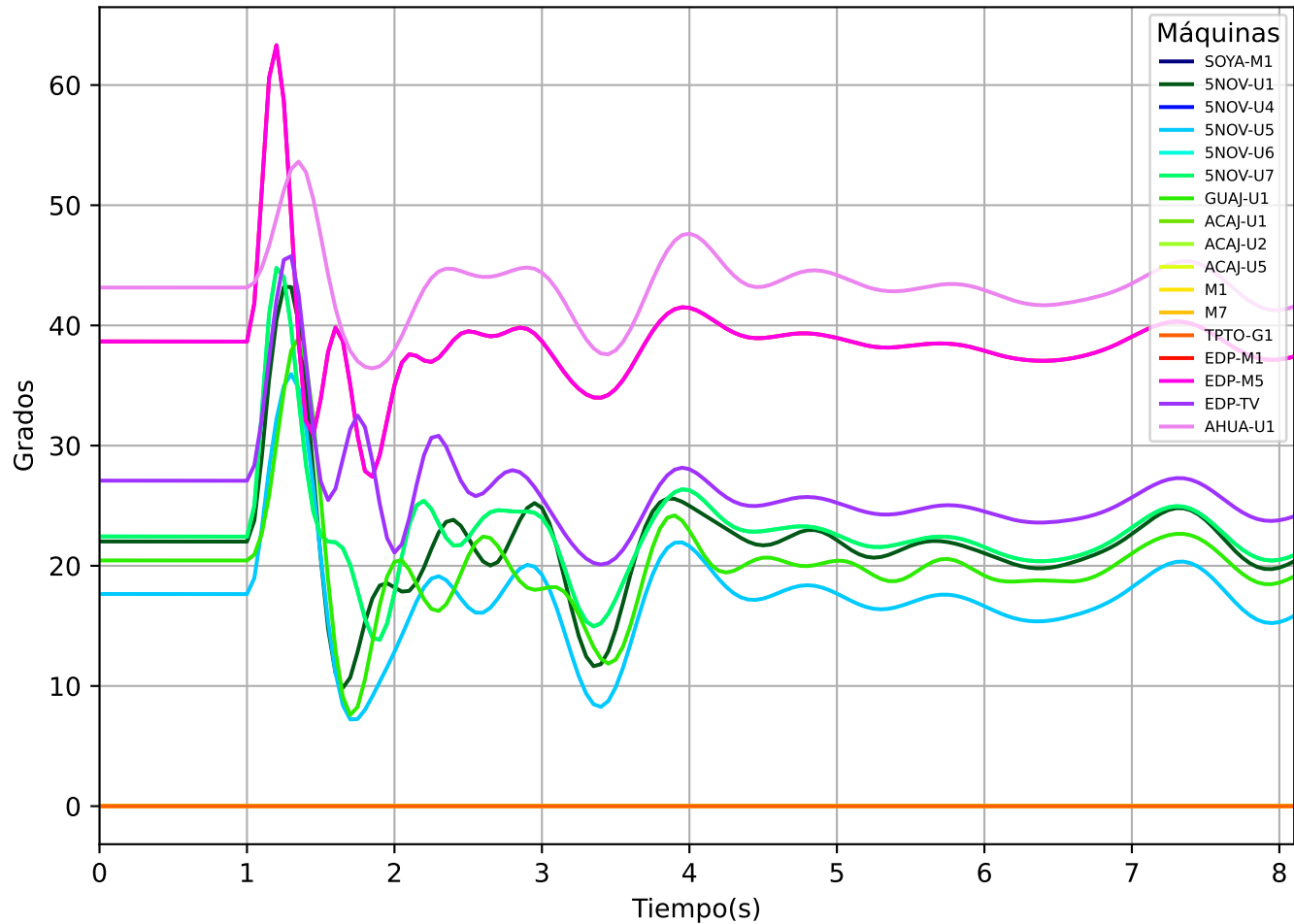
F50_SANT-VOLC: FLUJO L-115kV 3



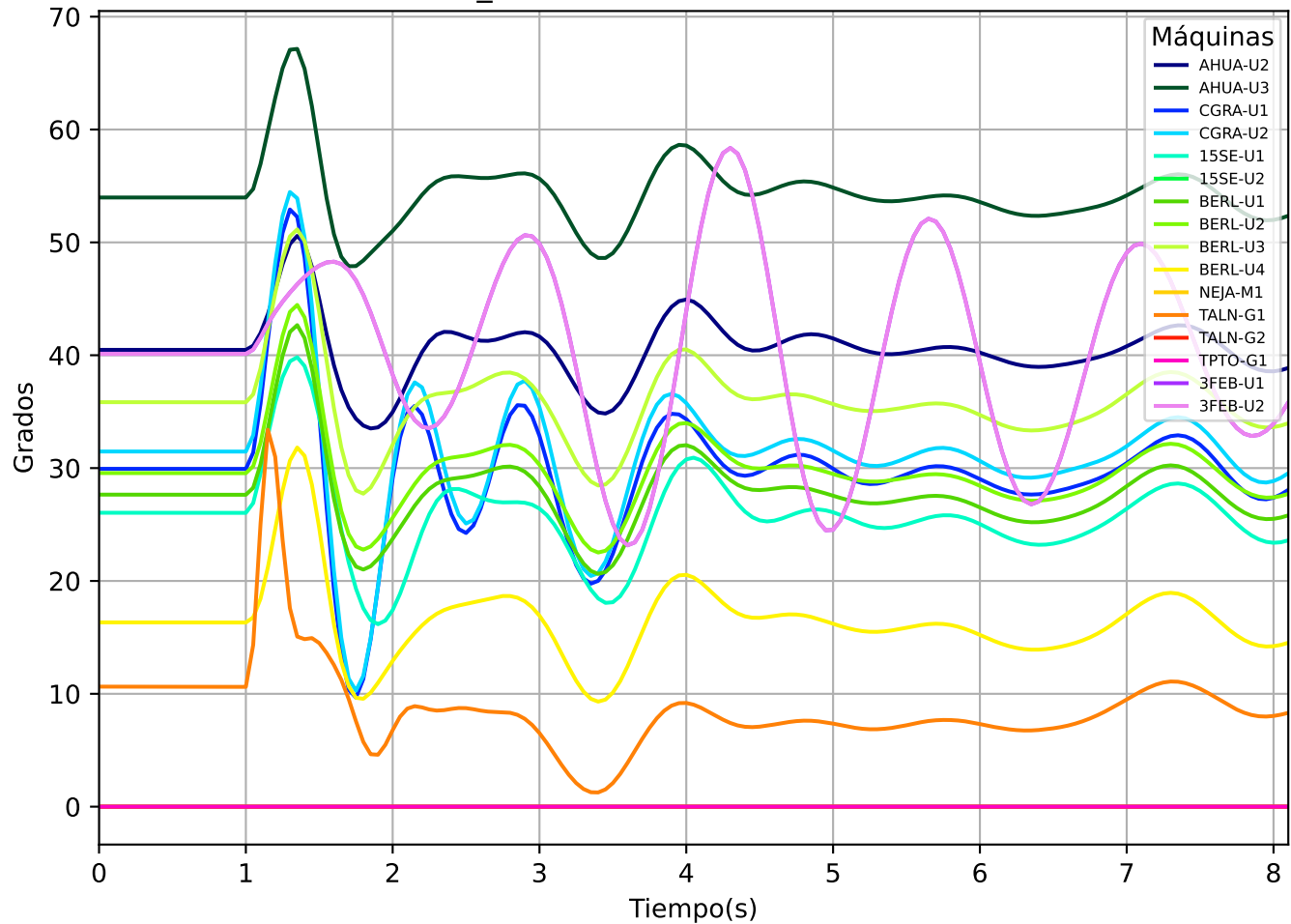
F50_SANT-VOLC: FLUJO L-230kV 4



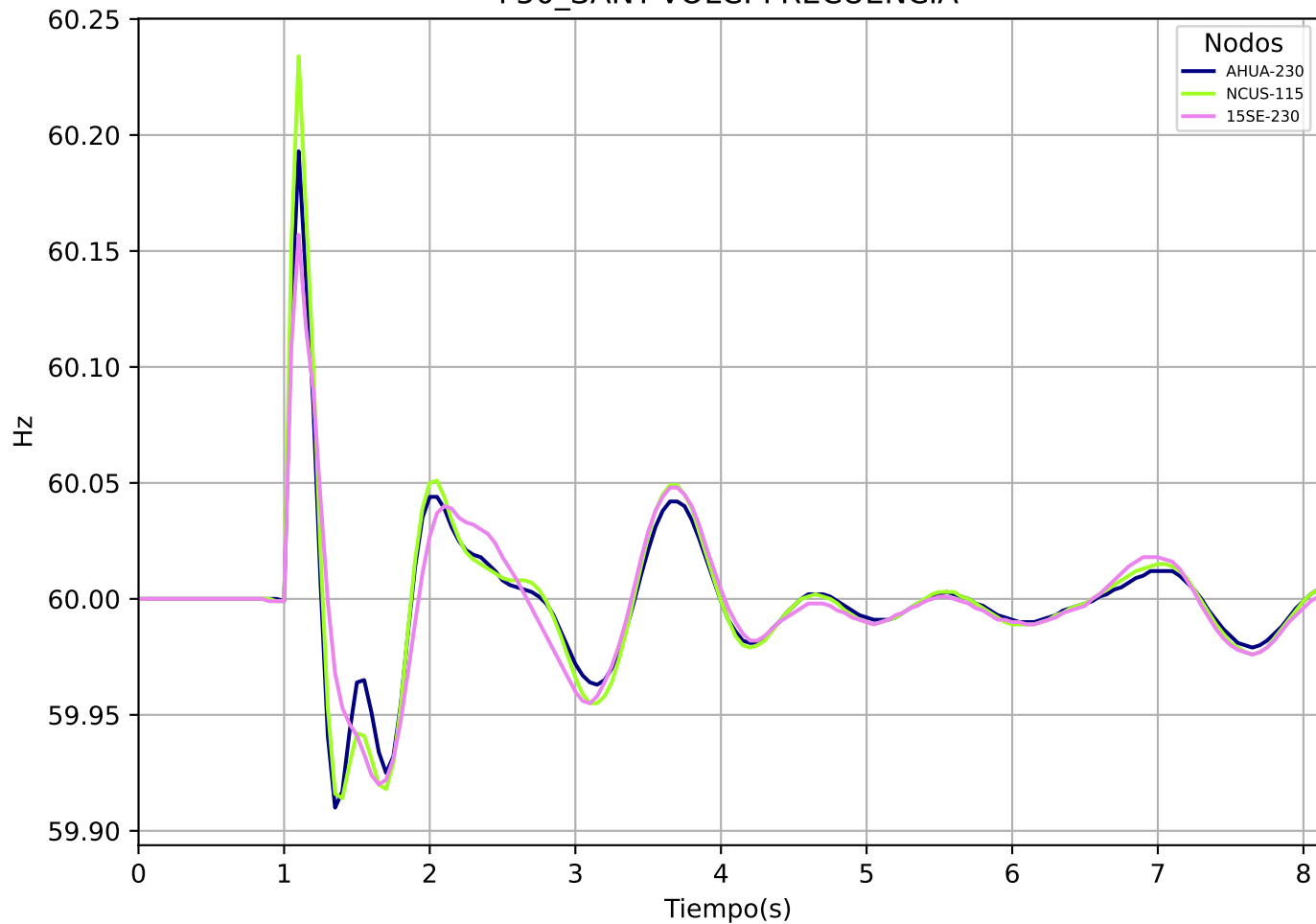
F50_SANT-VOLC: ANGULO ROTOR 1



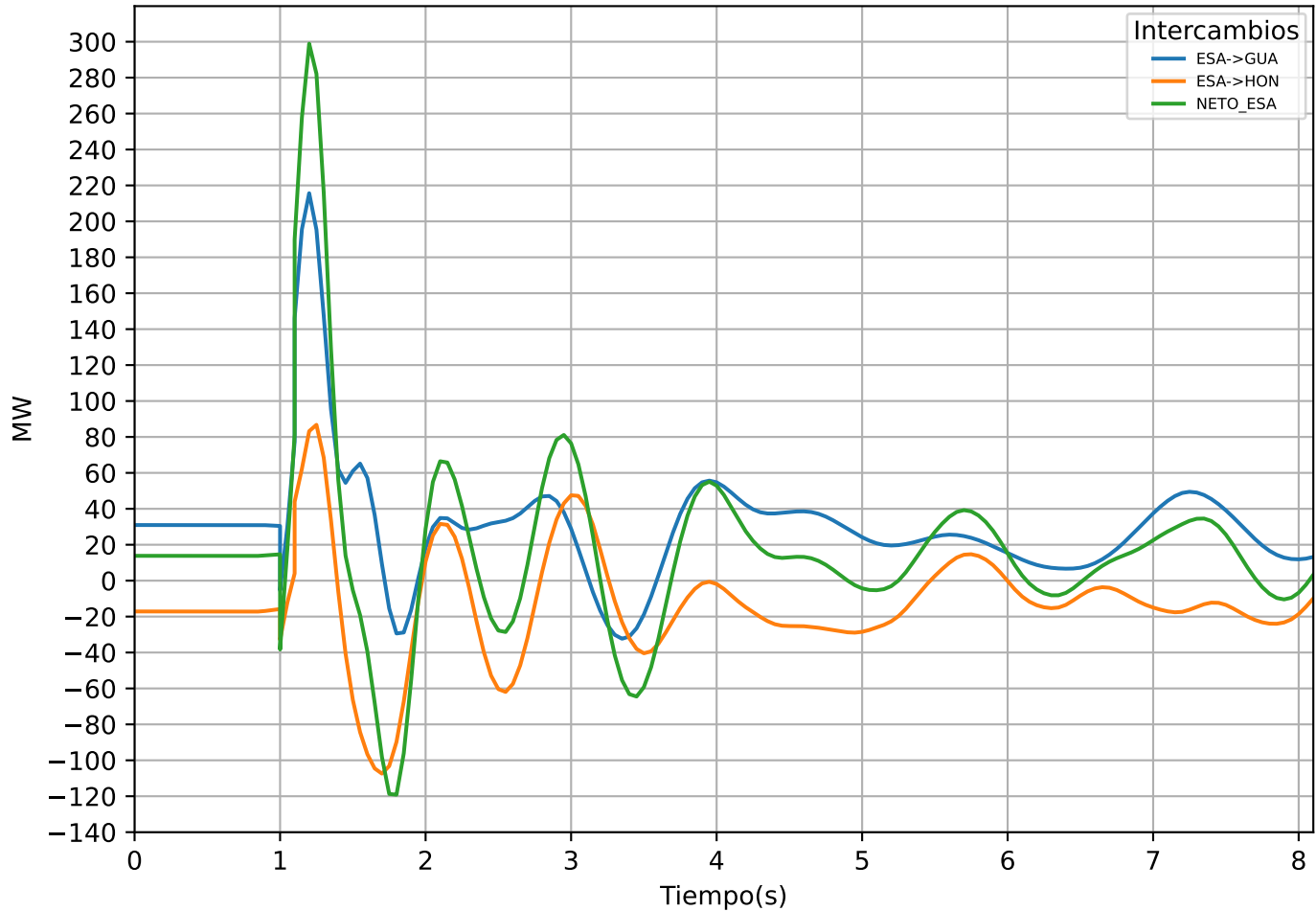
F50_SANT-VOLC: ANGULO ROTOR 2



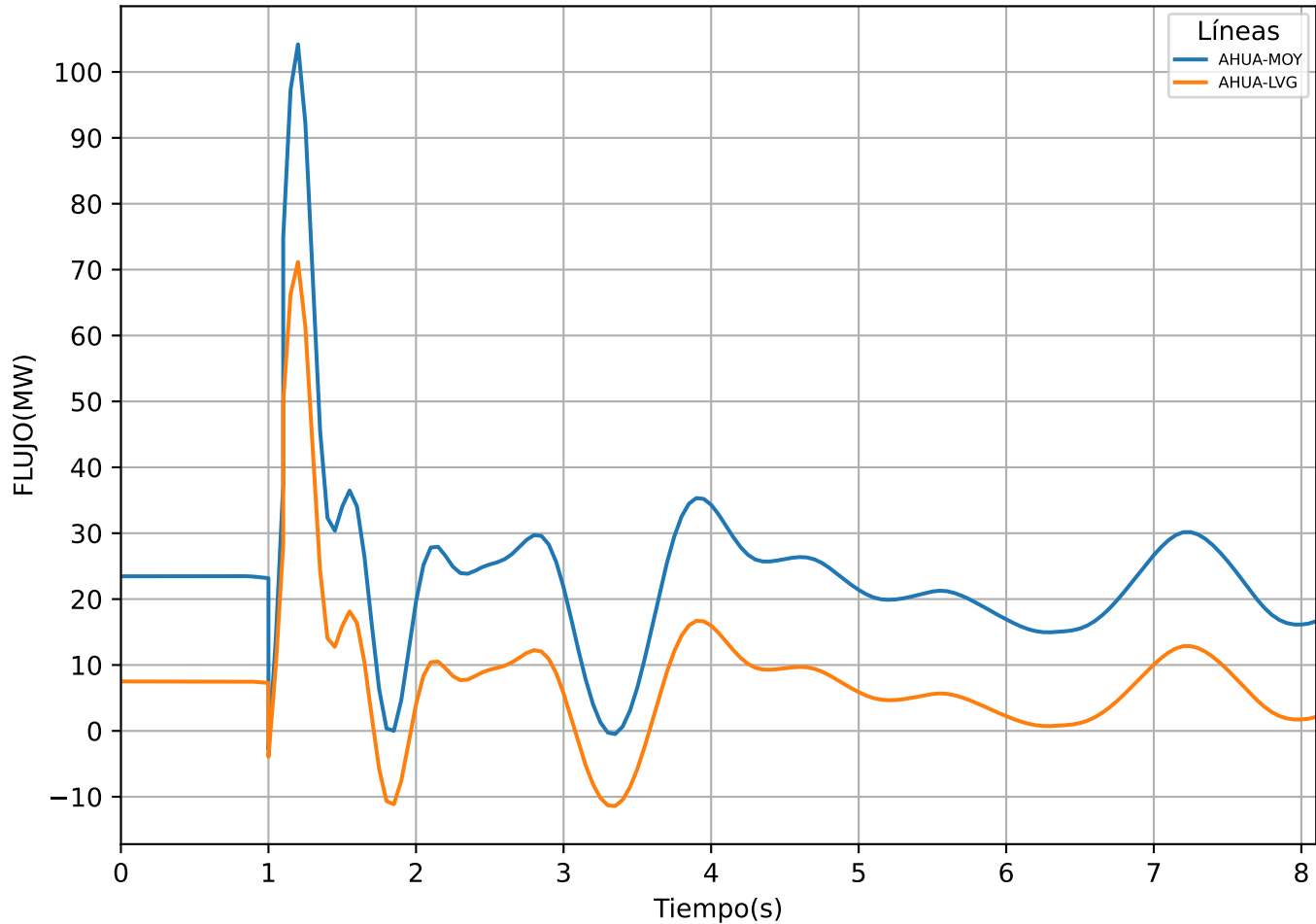
F50_SANT-VOLC: FRECUENCIA



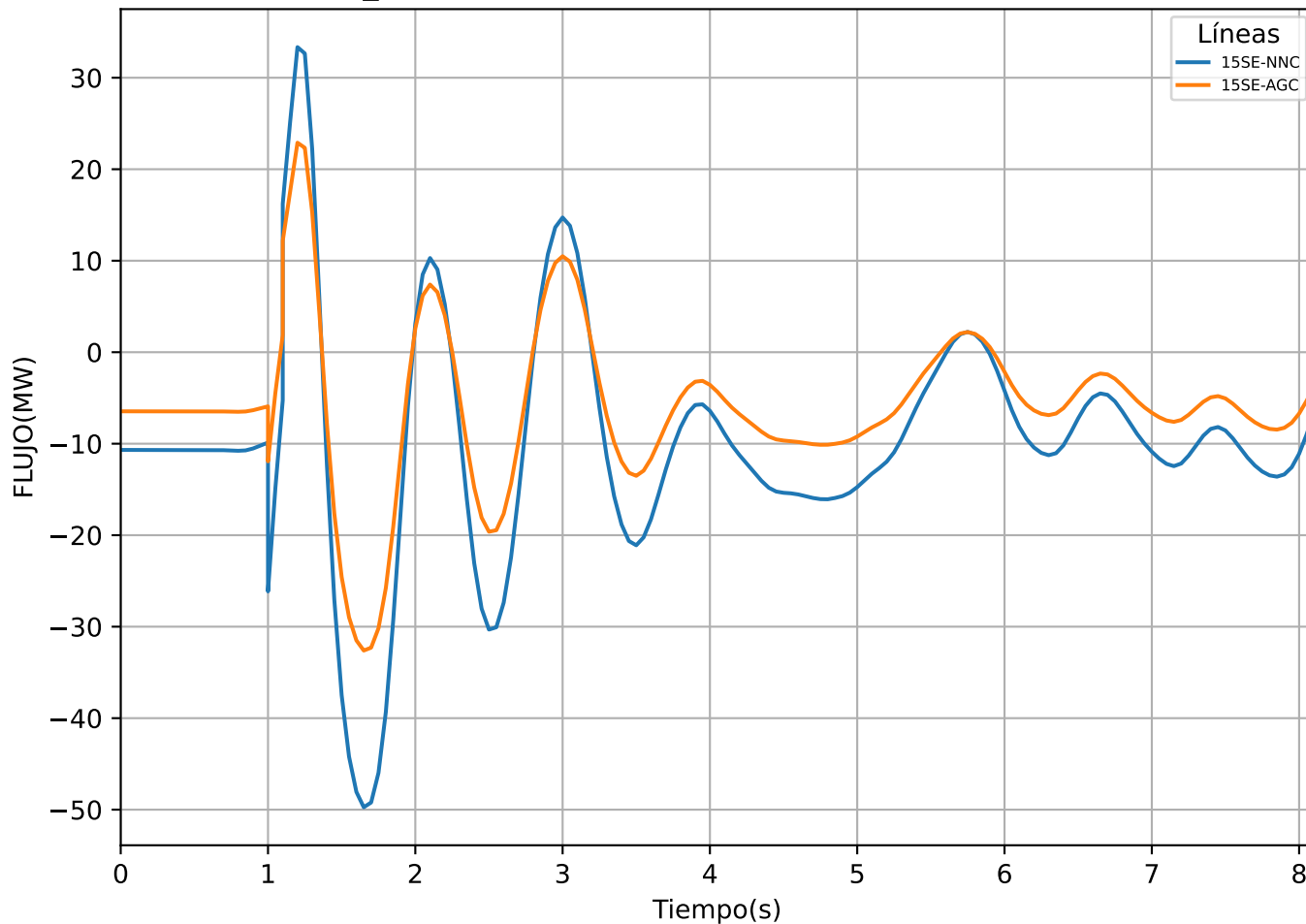
F50_SANT-VOLC: Intercambios ESA



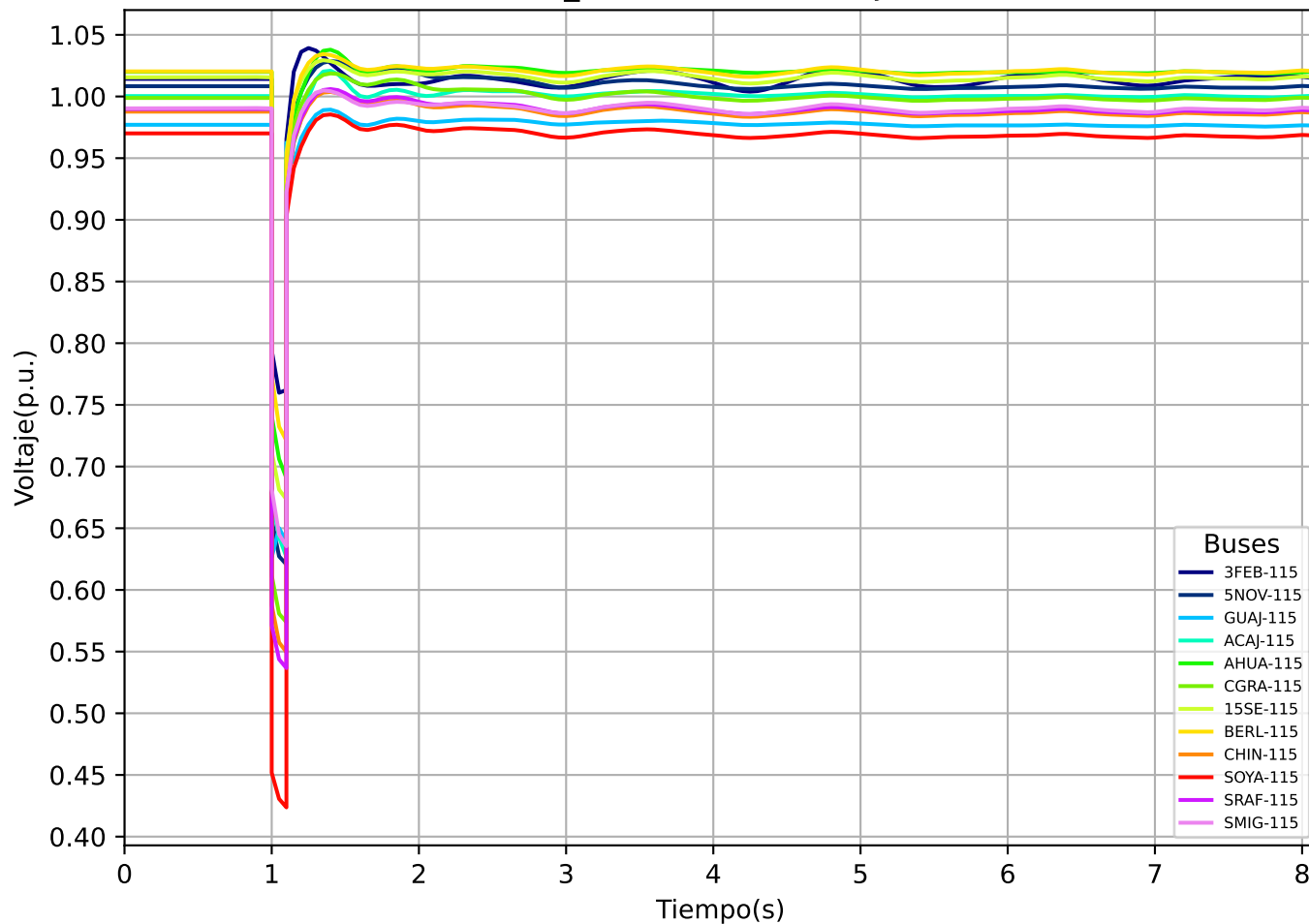
F51_NCUS-VOLC: FLUJO INTERCONEXIONES ESA-GUA



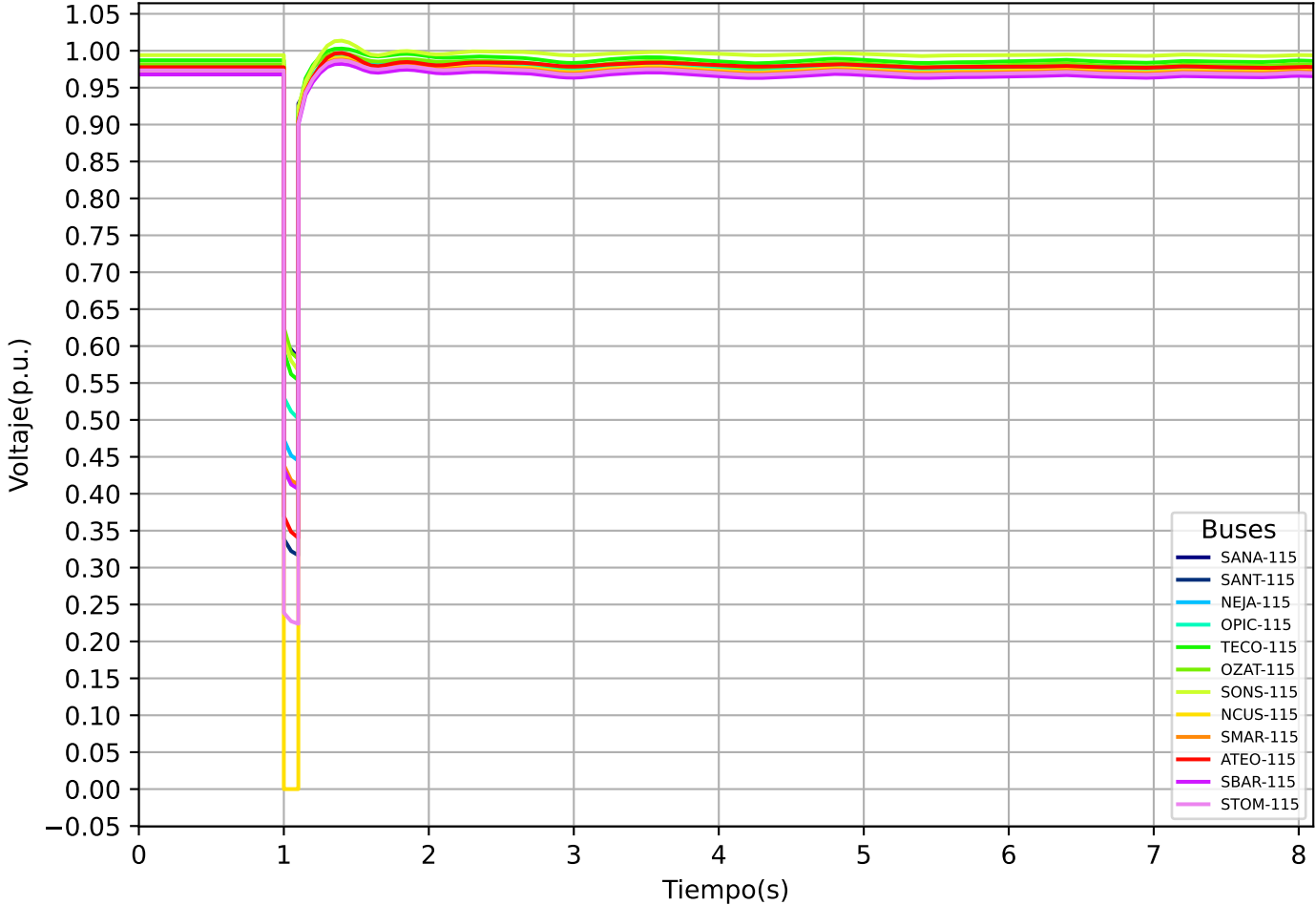
F51_NCUS-VOLC: FLUJO INTERCONEXIONES ESA-HON



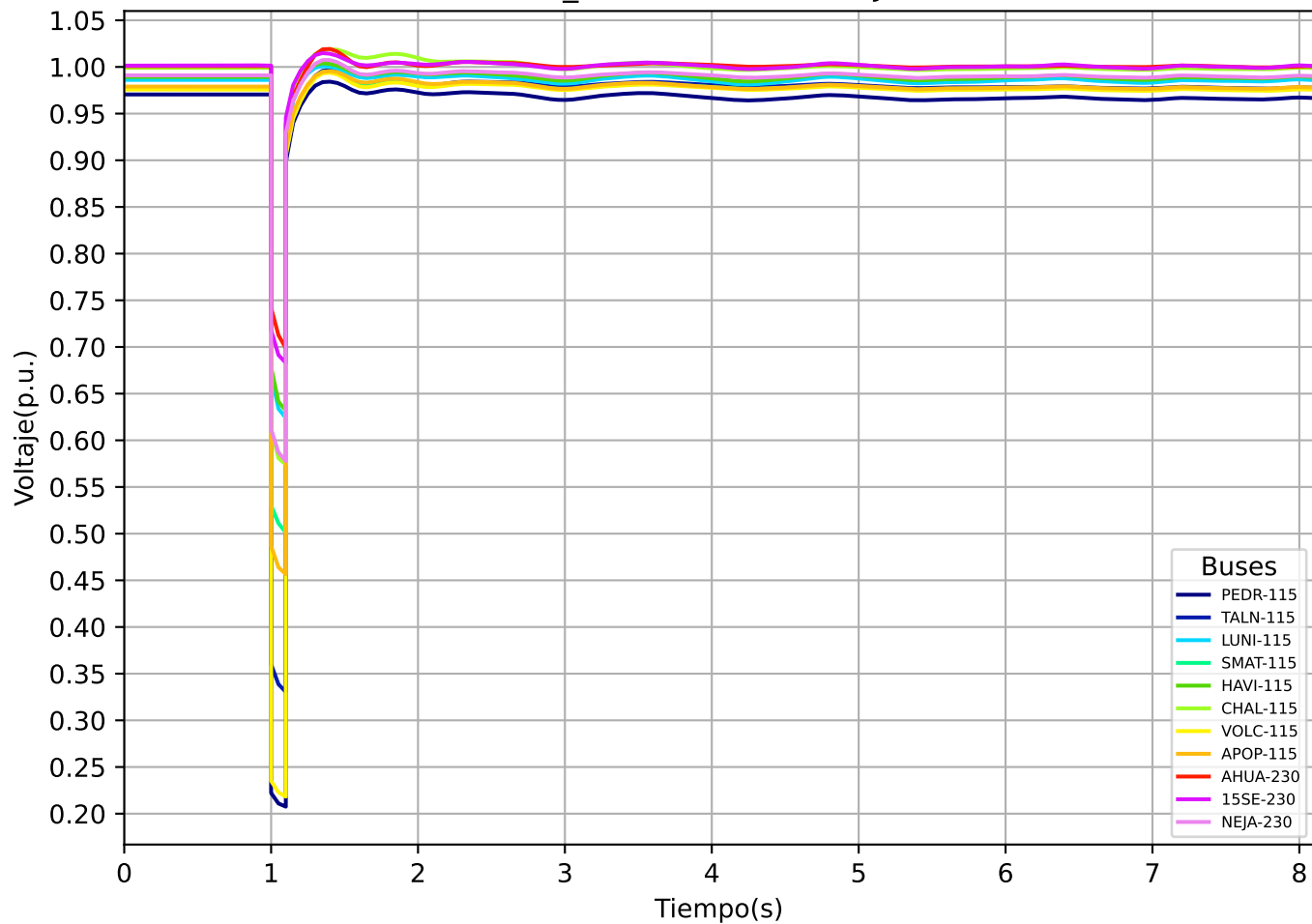
F51_NCUS-VOLC: VOLTAJE 1



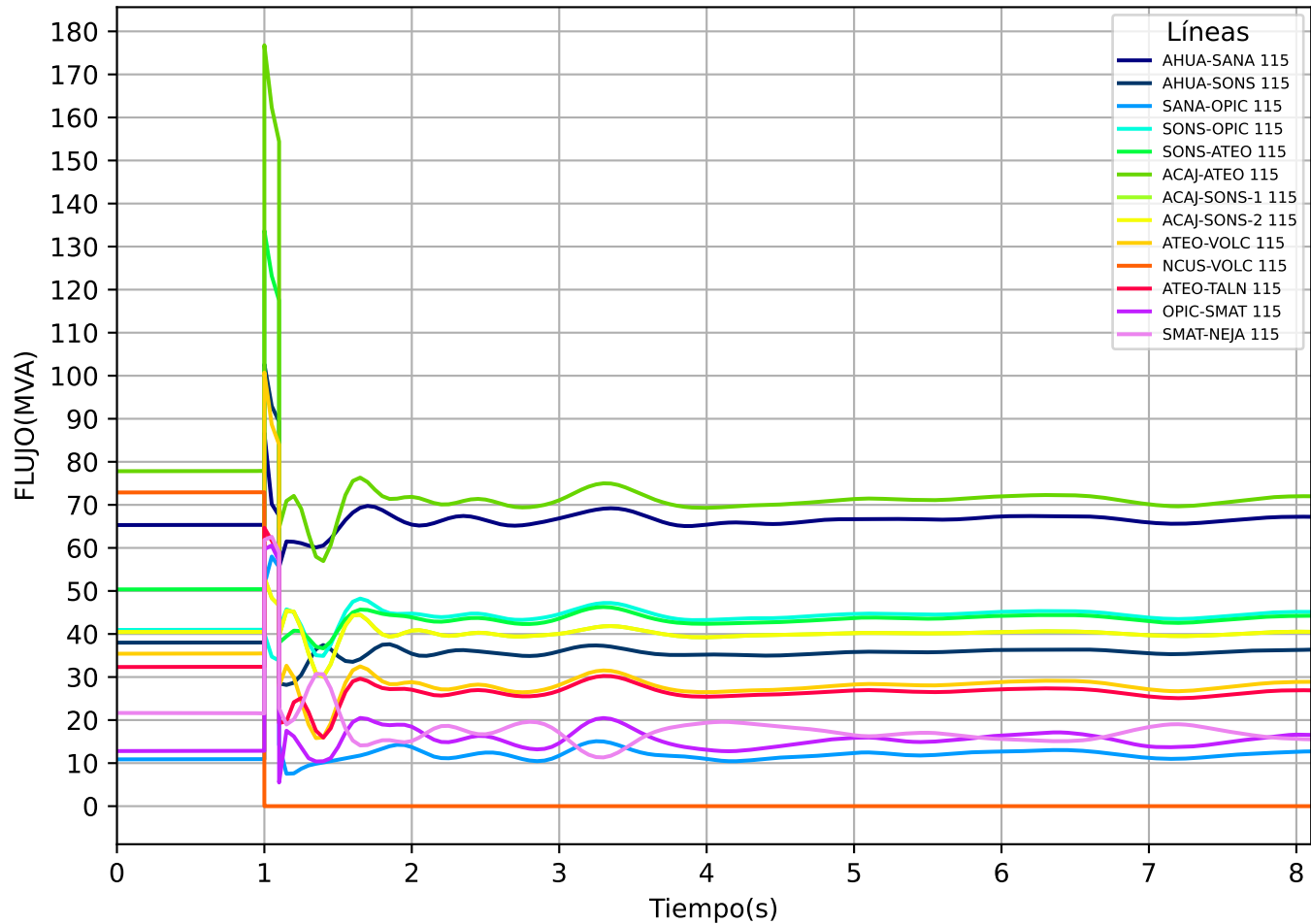
F51_NCUS-VOLC: VOLTAJE 2



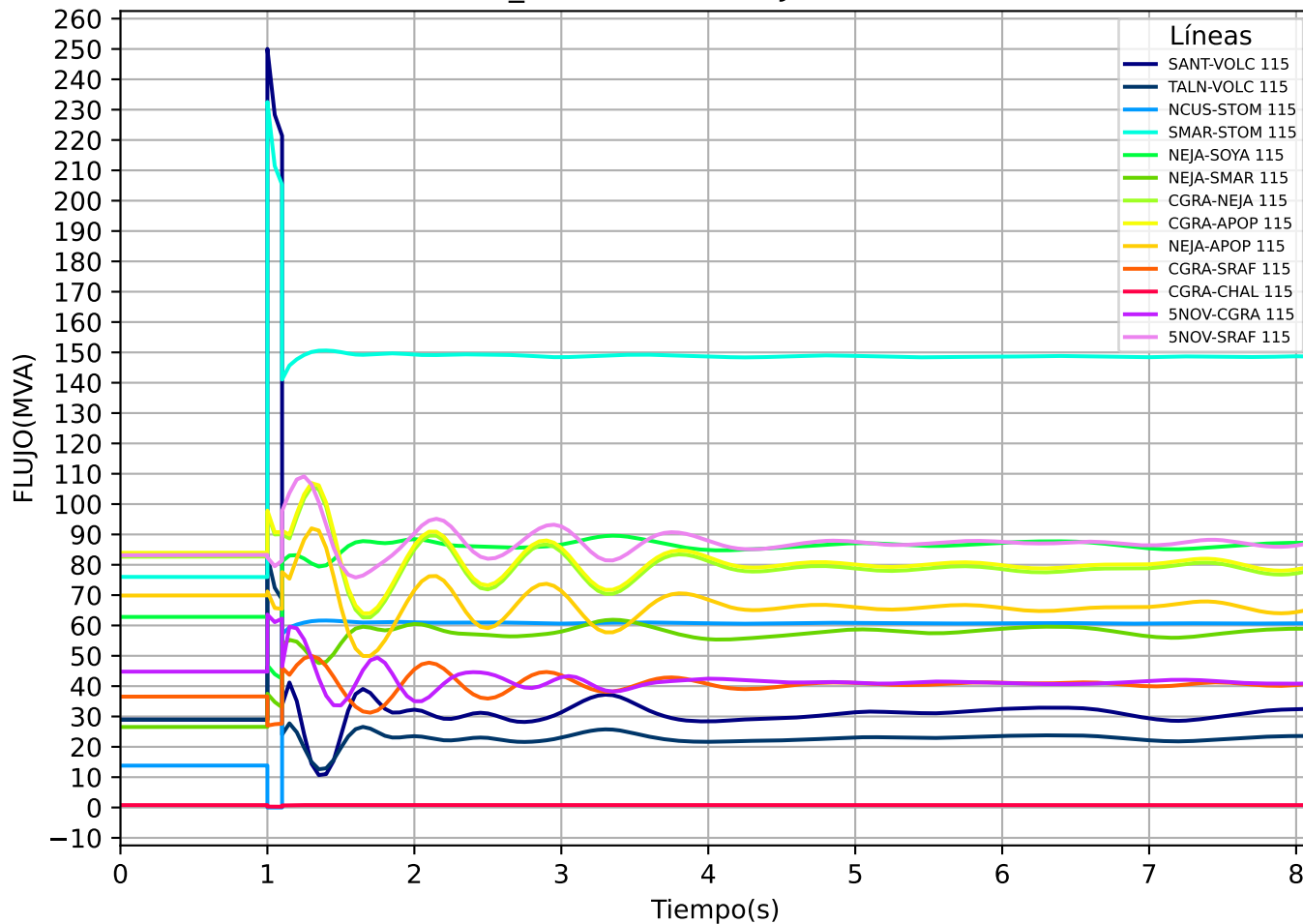
F51_NCUS-VOLC: VOLTAJE 3



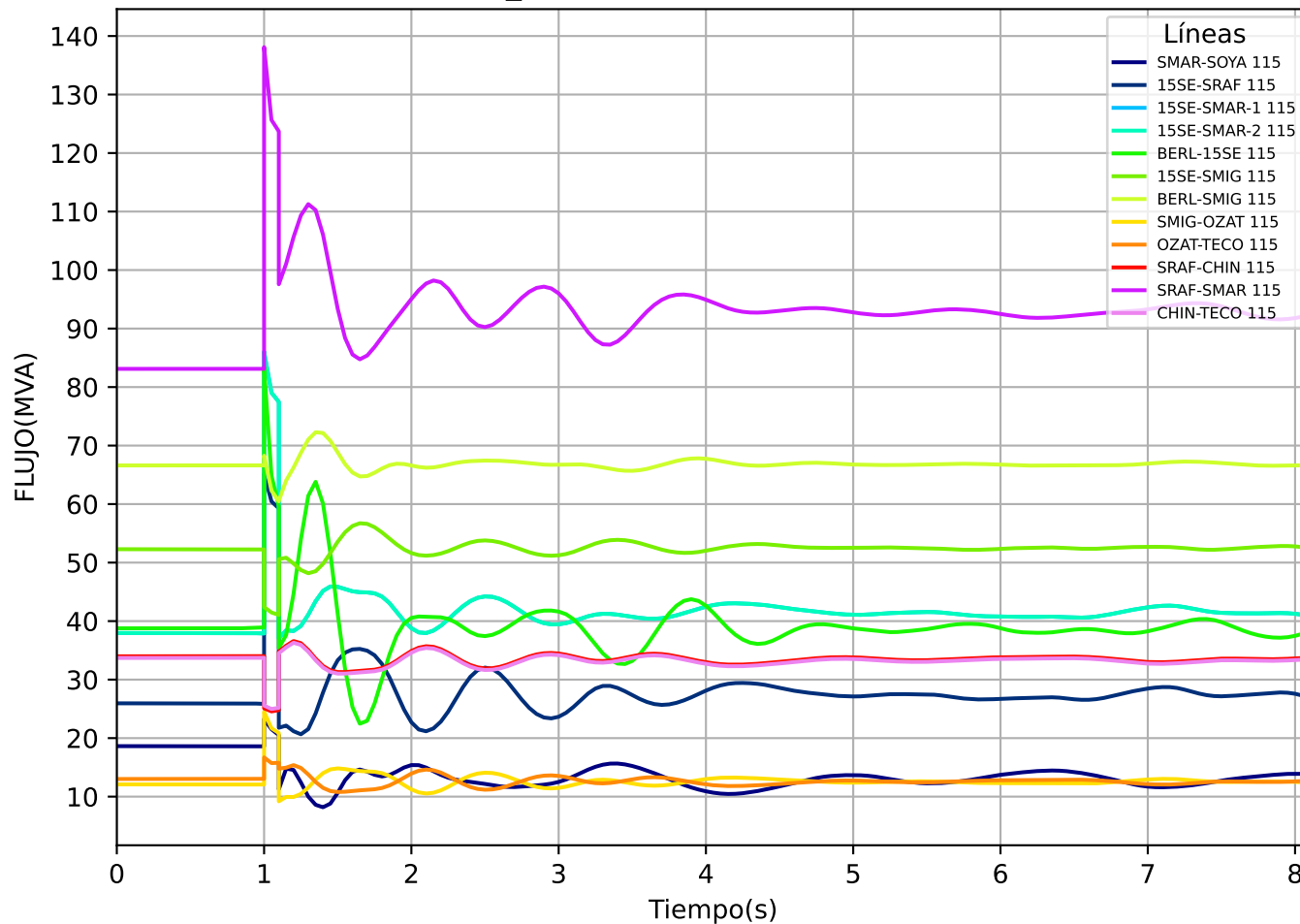
F51_NCUS-VOLC: FLUJO L-115kV 1



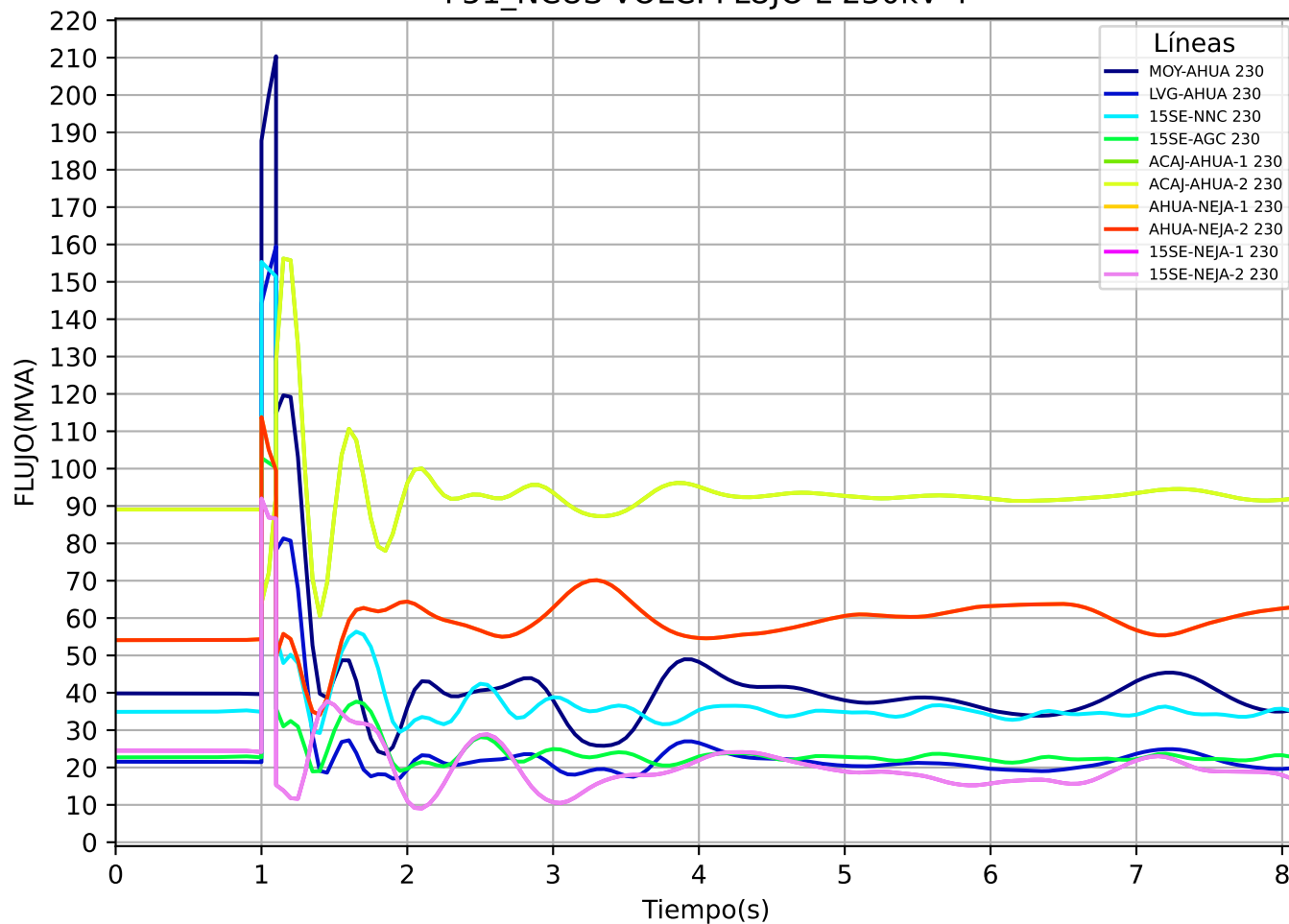
F51_NCUS-VOLC: FLUJO L-115kV 2



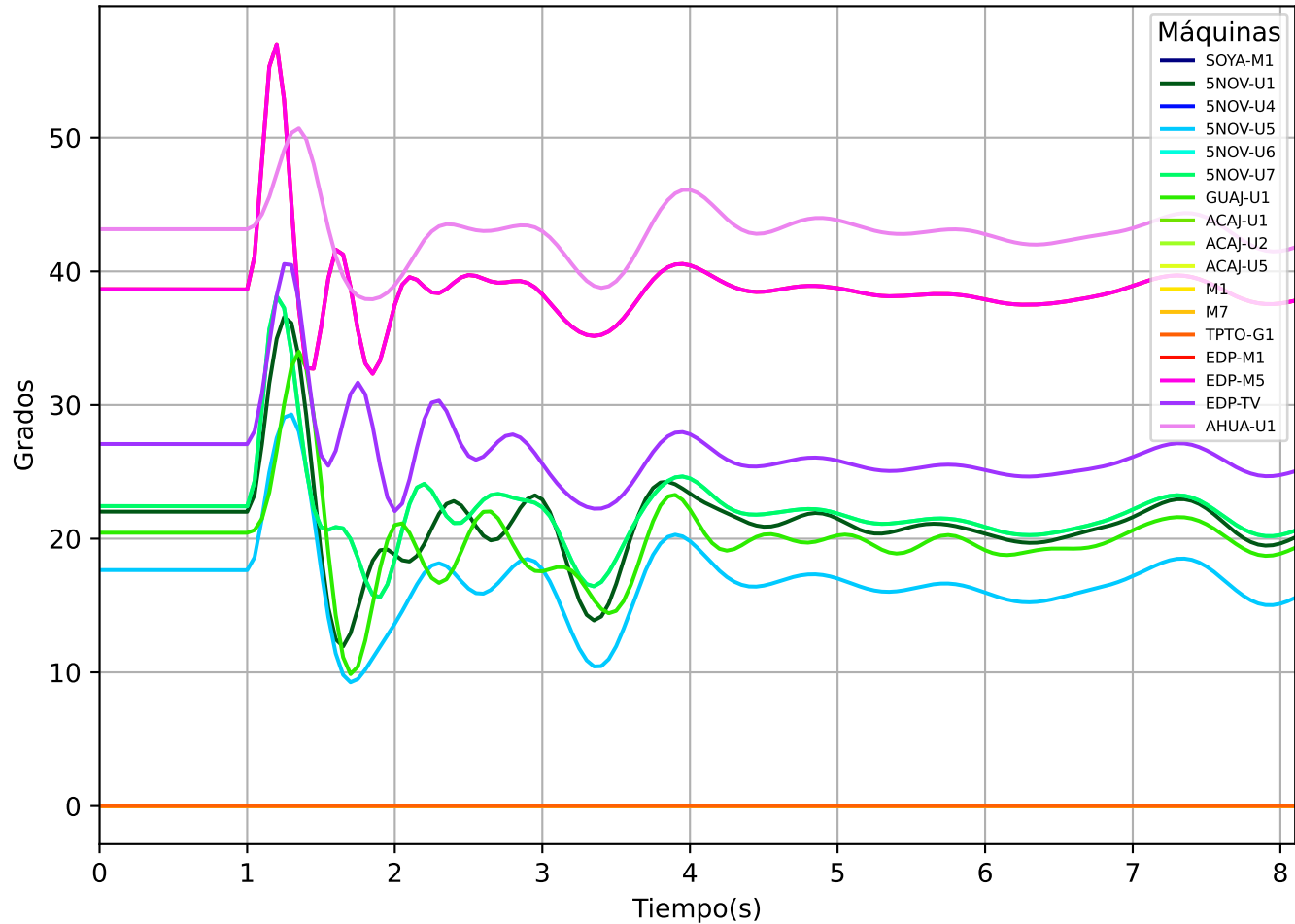
F51_NCUS-VOLC: FLUJO L-115kV 3



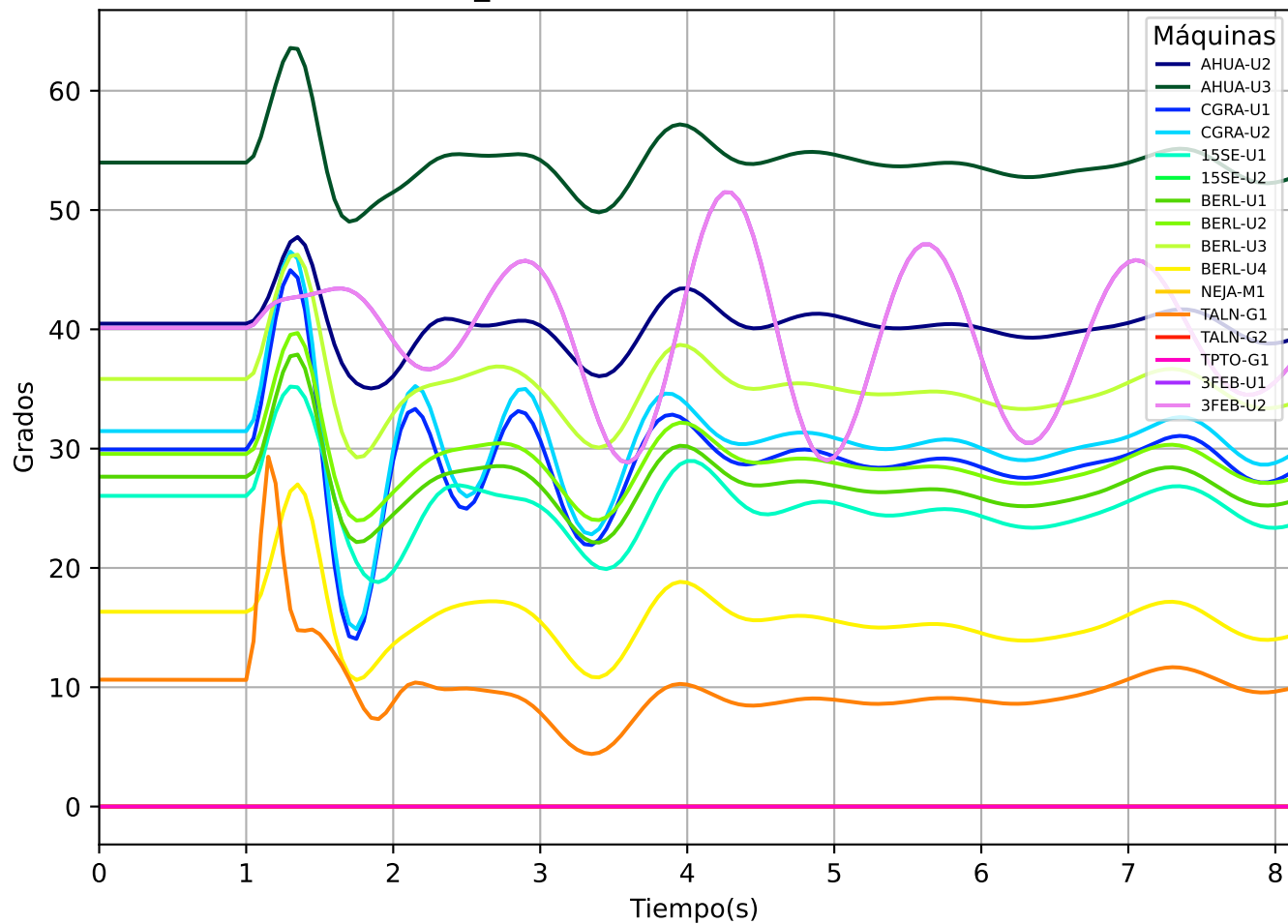
F51_NCUS-VOLC: FLUJO L-230kV 4



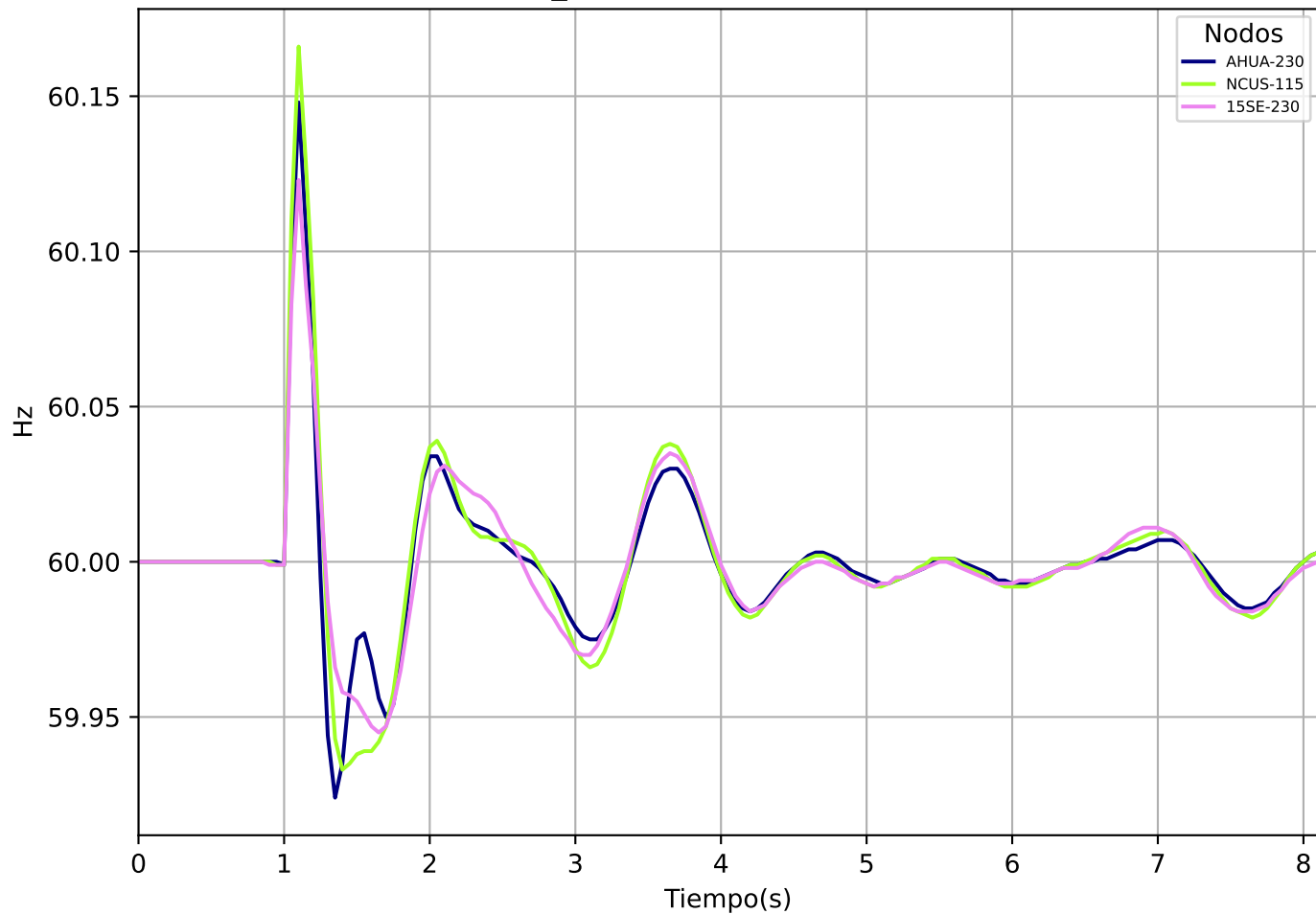
F51_NCUS-VOLC: ANGULO ROTOR 1



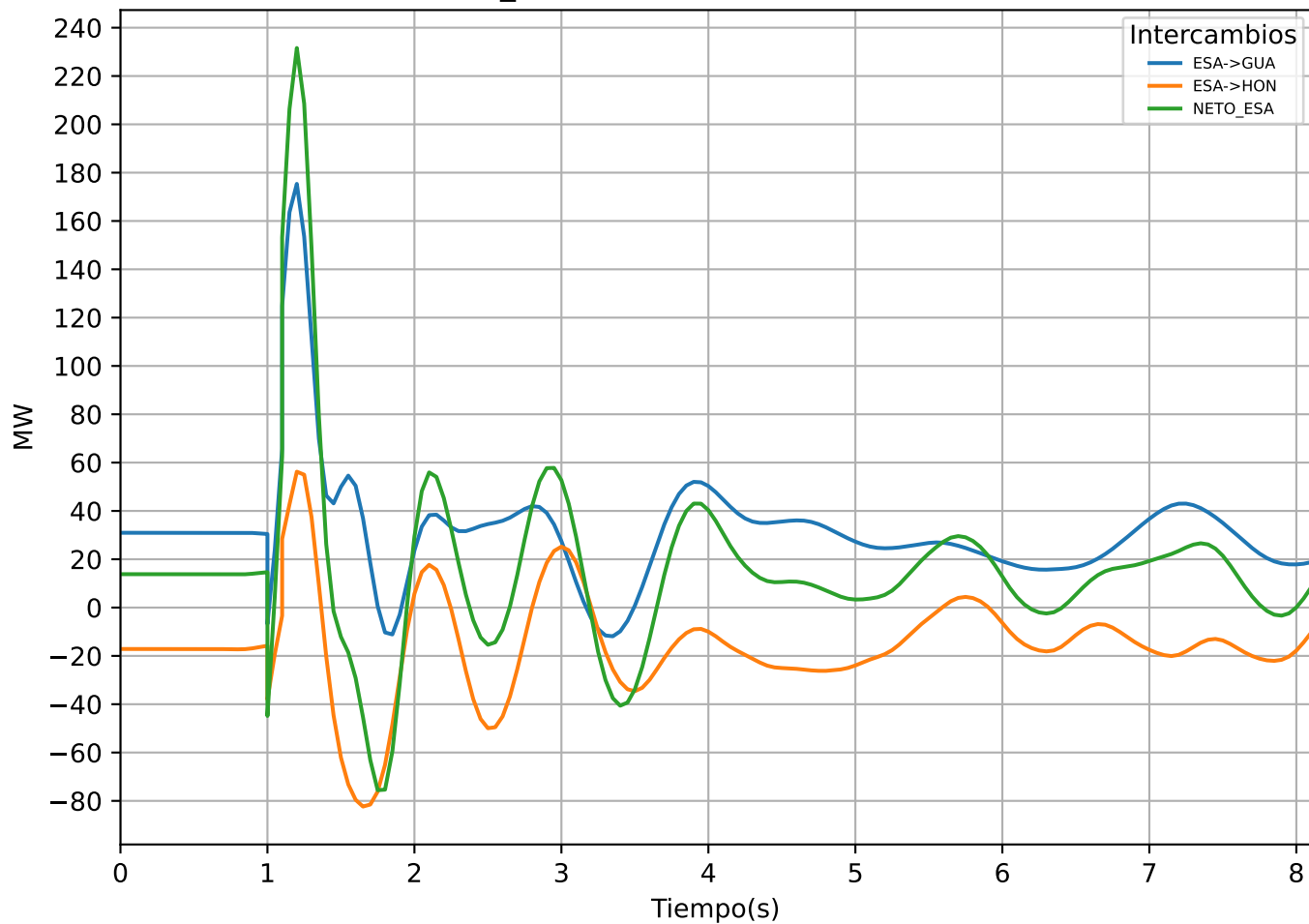
F51_NCUS-VOLC: ANGULO ROTOR 2



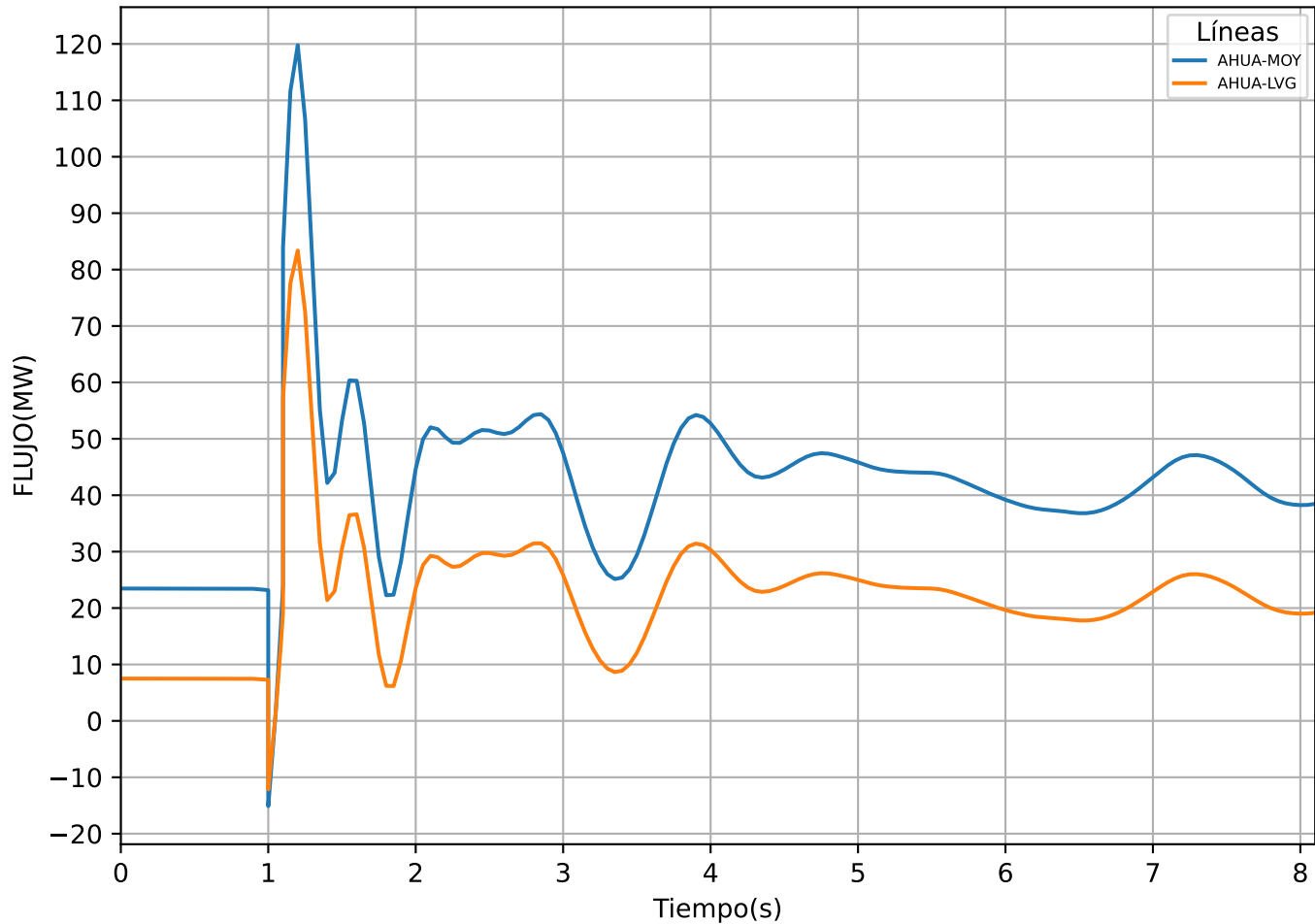
F51_NCUS-VOLC: FRECUENCIA



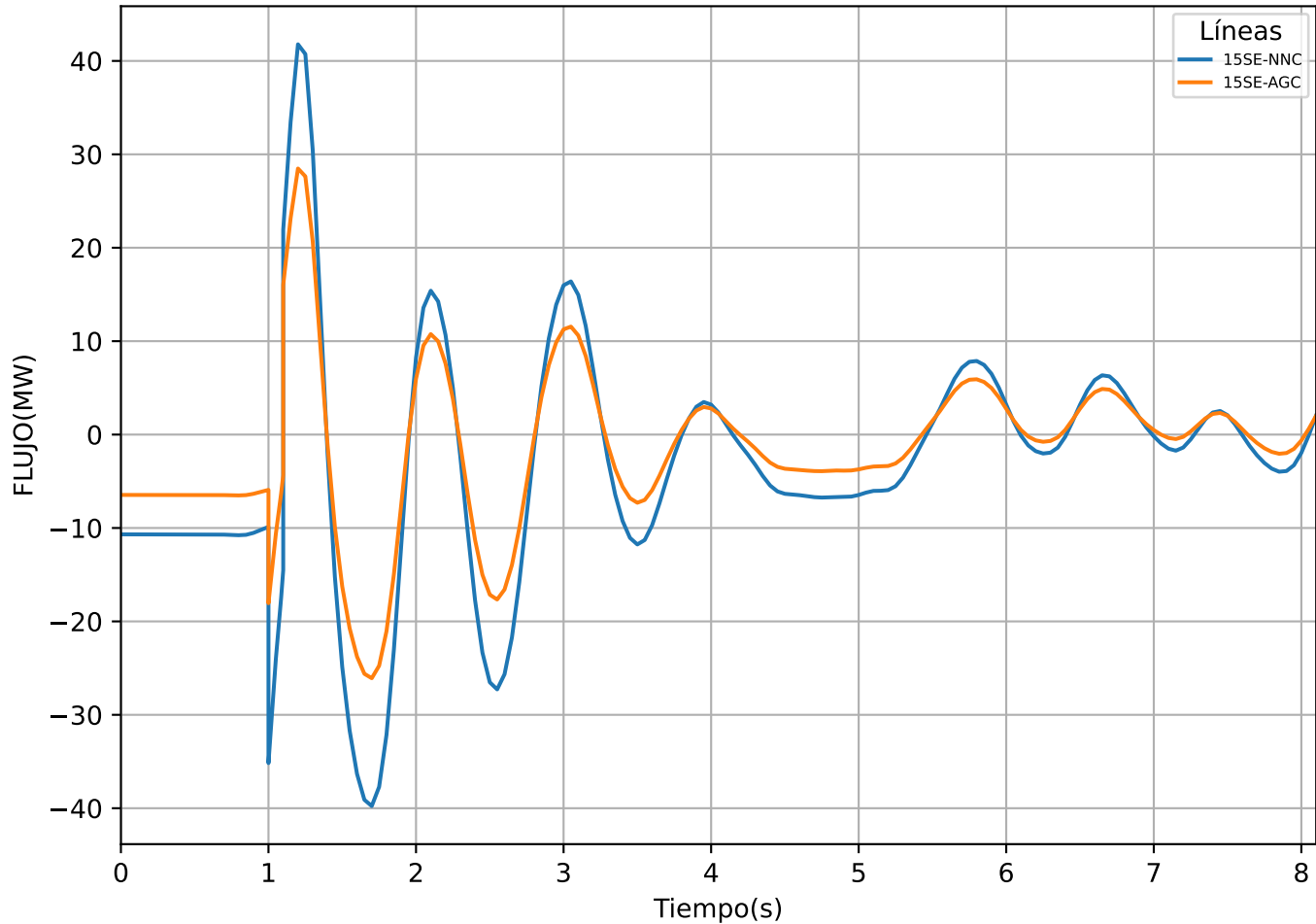
F51_NCUS-VOLC: Intercambios ESA



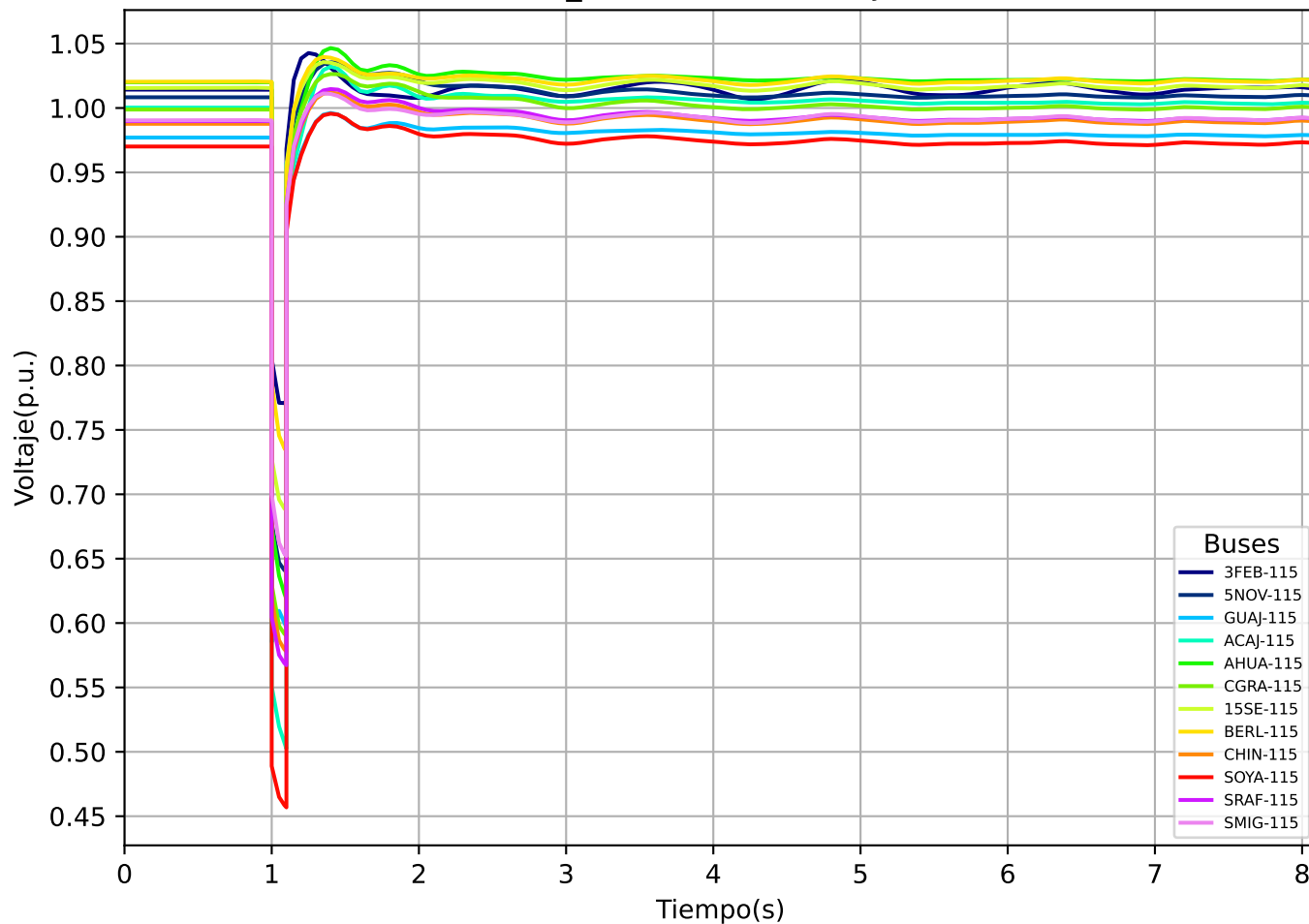
F52_ATEO-VOLC: FLUJO INTERCONEXIONES ESA-GUA



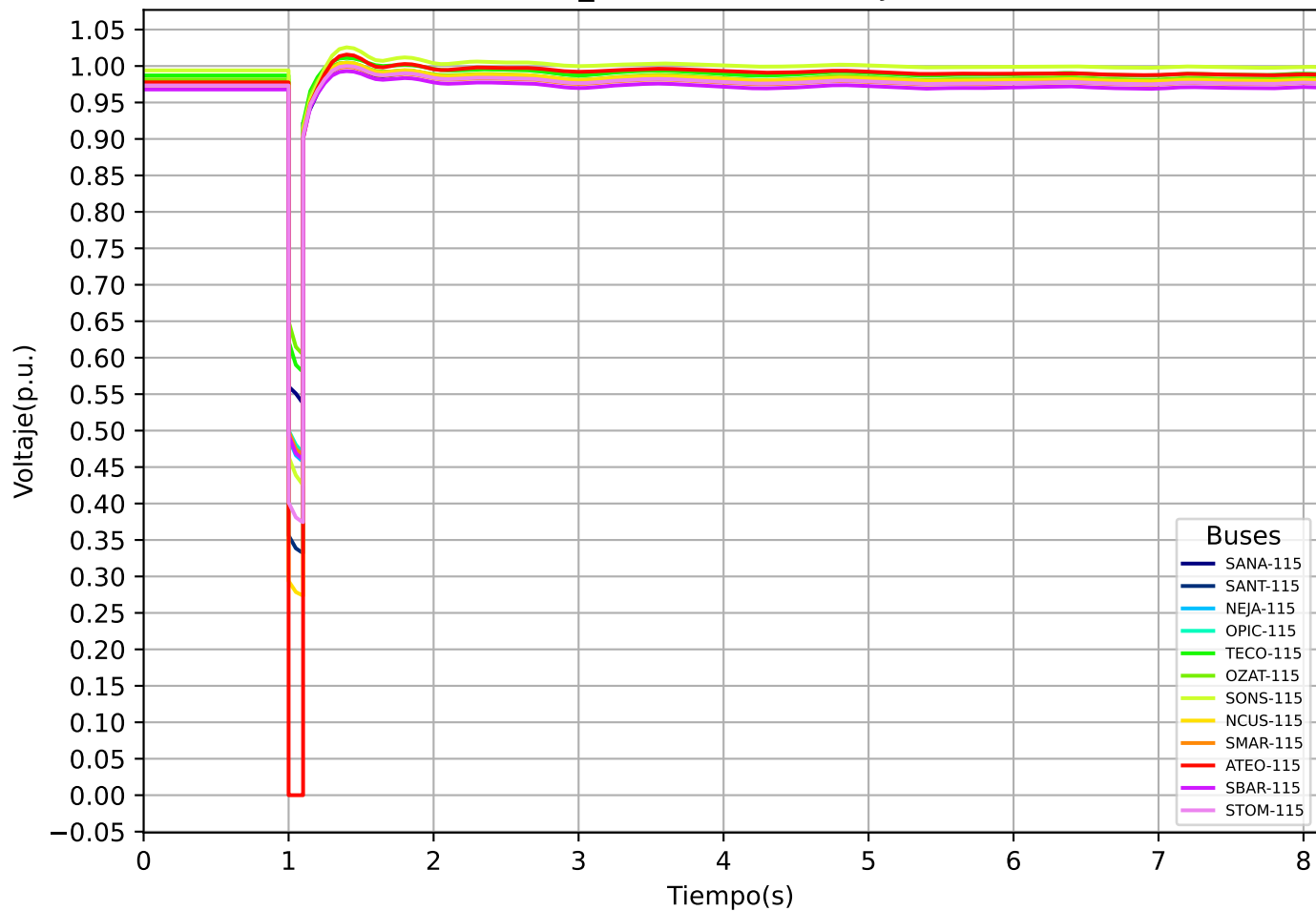
F52_ATEO-VOLC: FLUJO INTERCONEXIONES ESA-HON



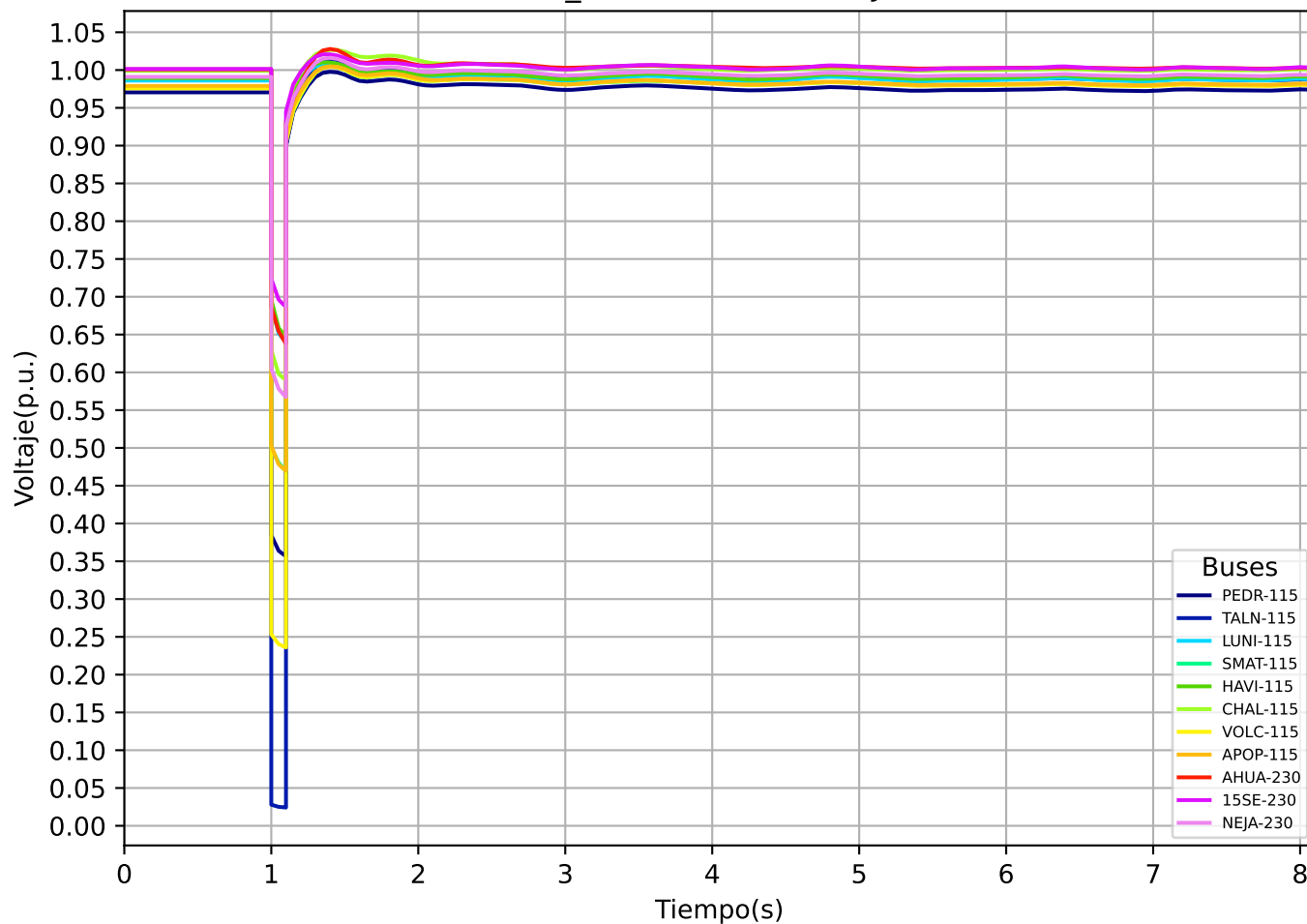
F52_ATEO-VOLC: VOLTAJE 1



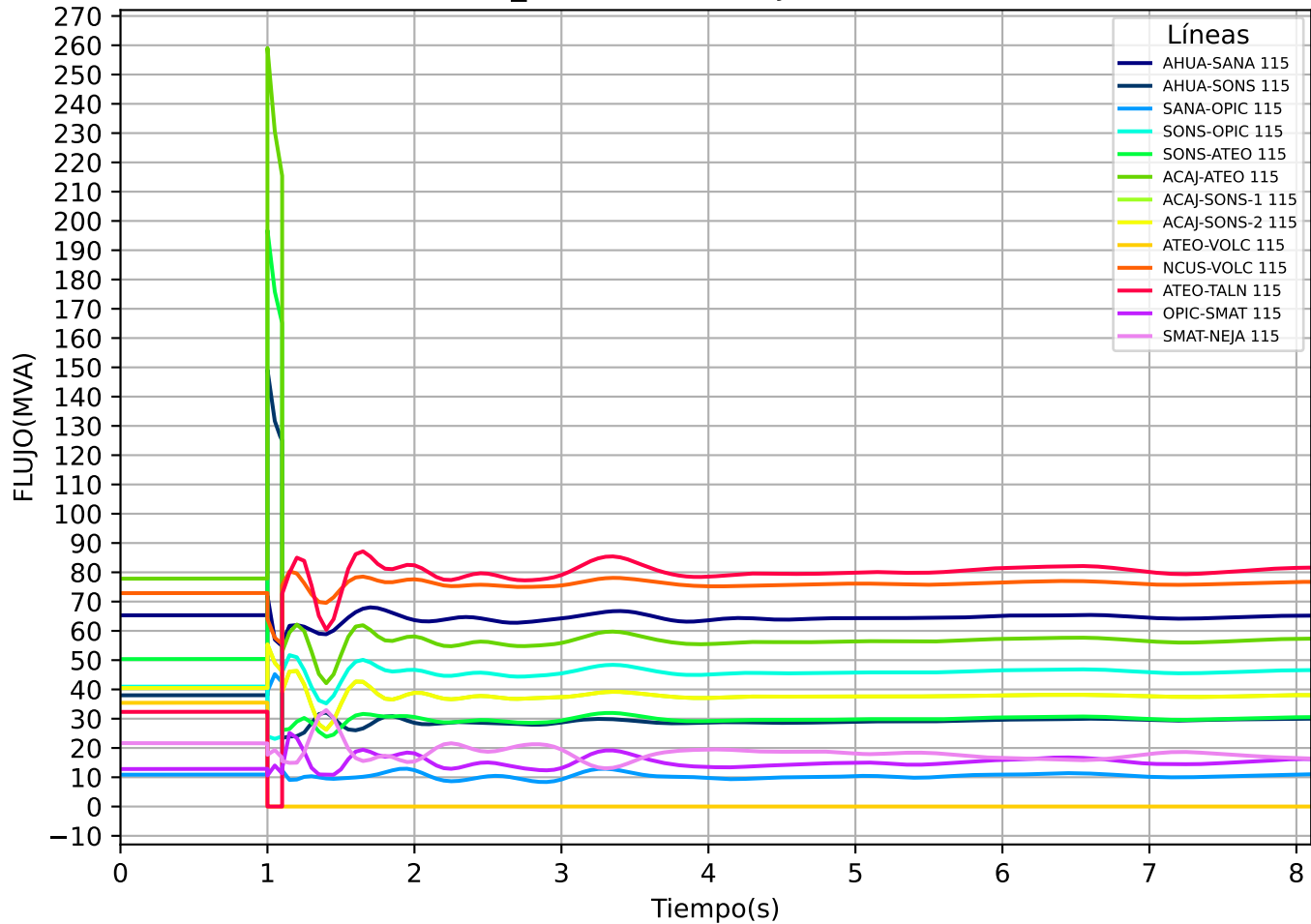
F52_ATEO-VOLC: VOLTAJE 2



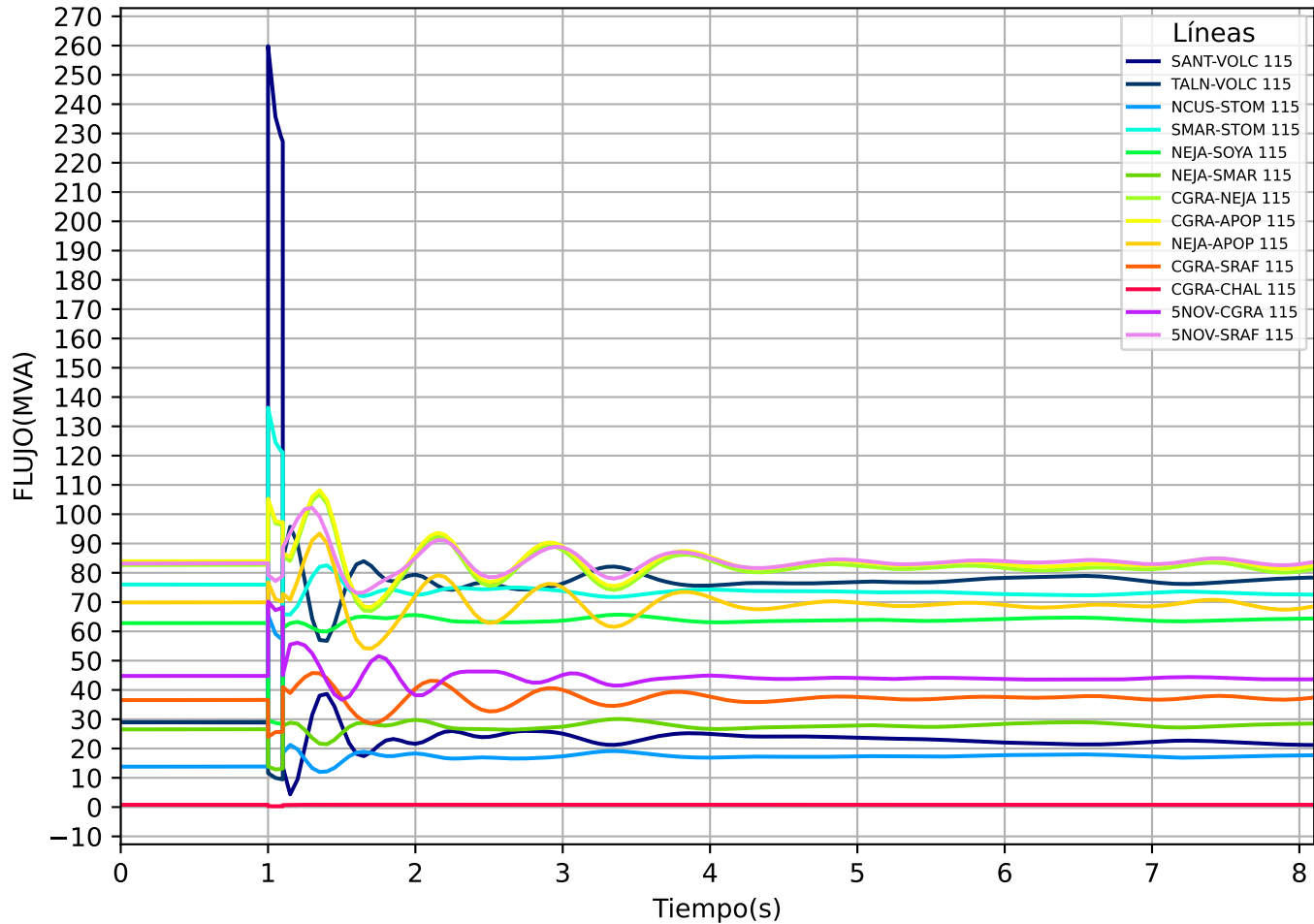
F52_ATEO-VOLC: VOLTAJE 3



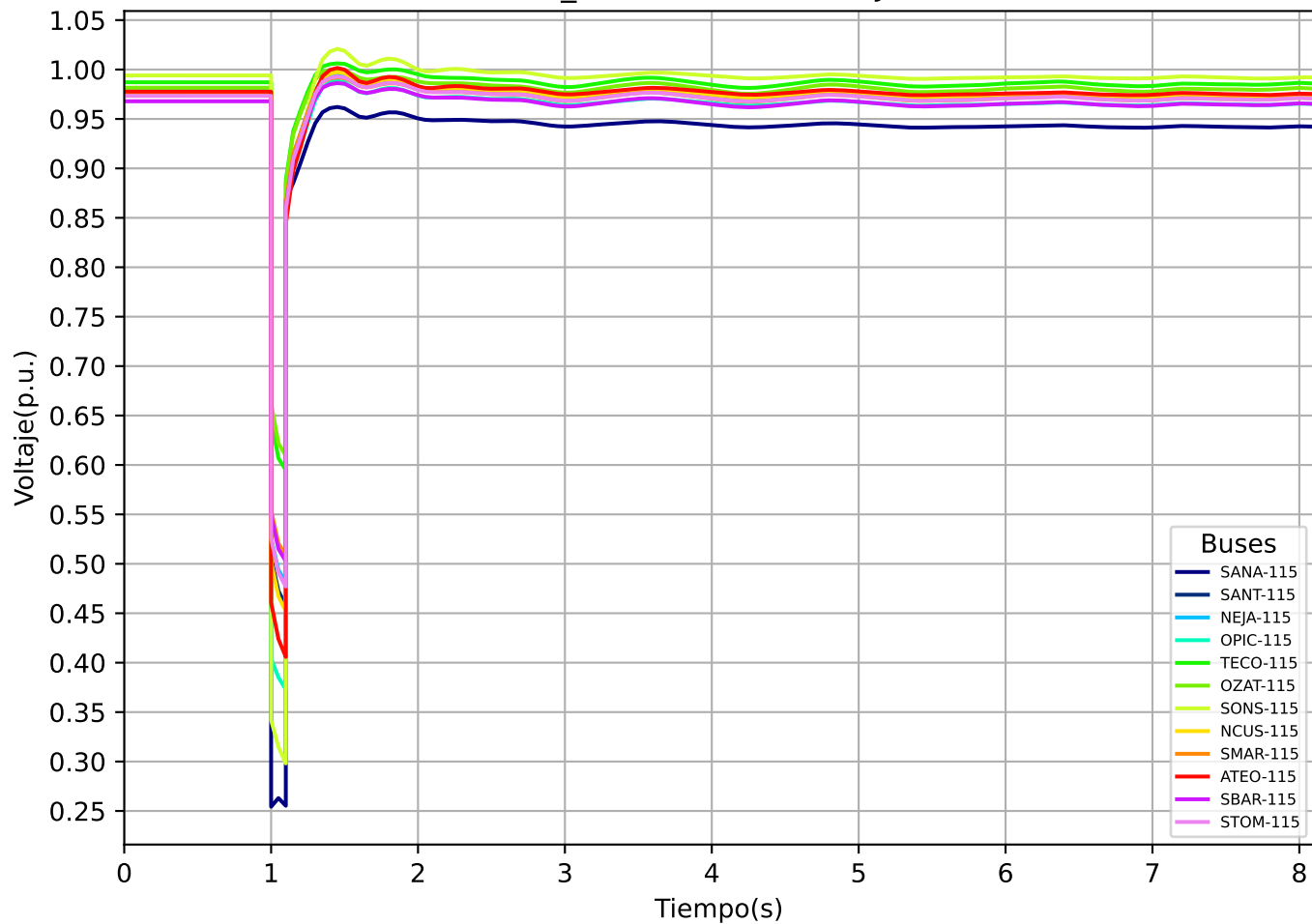
F52_ATEO-VOLC: FLUJO L-115kV 1



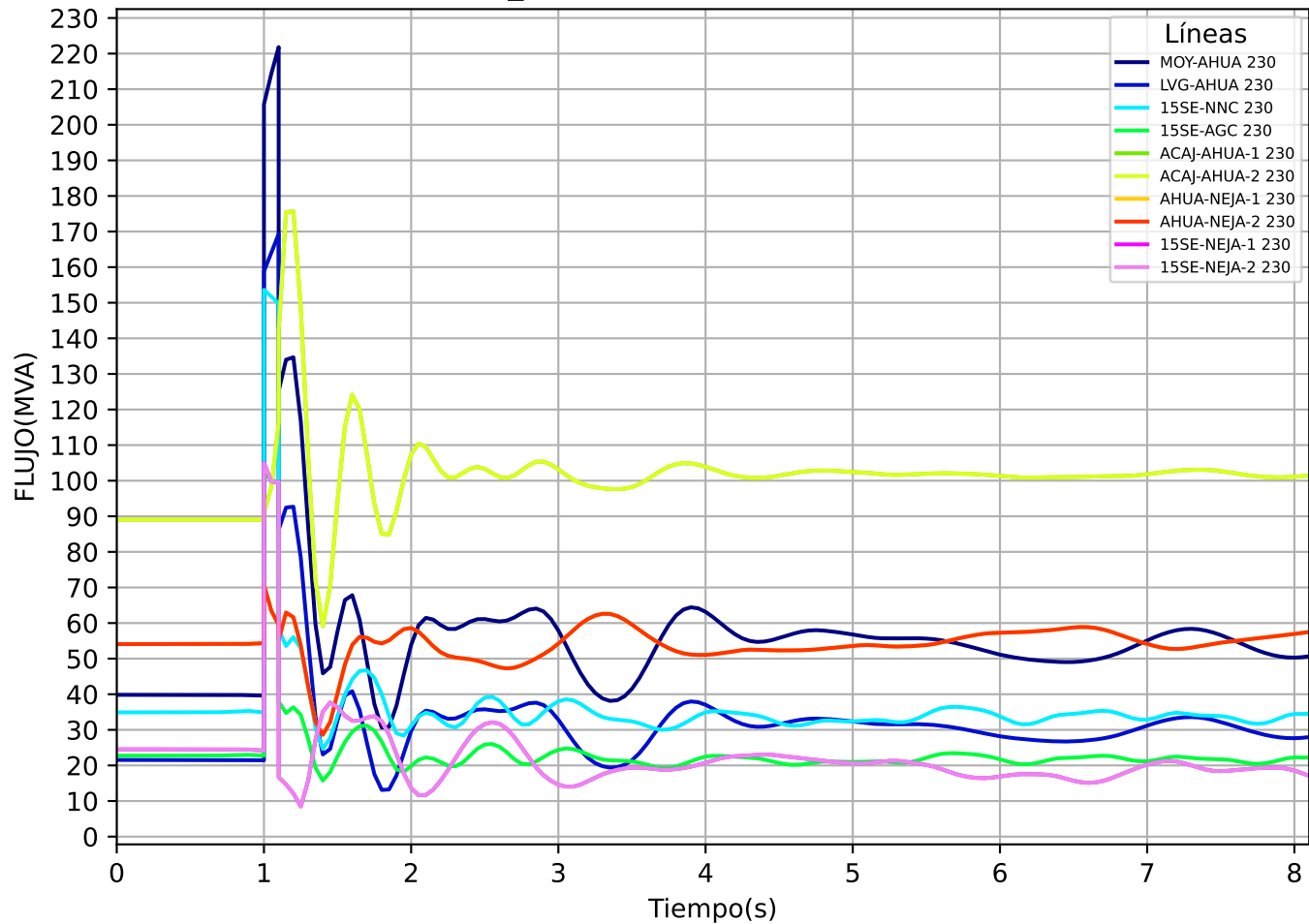
F52_ATEO-VOLC: FLUJO L-115kV 2



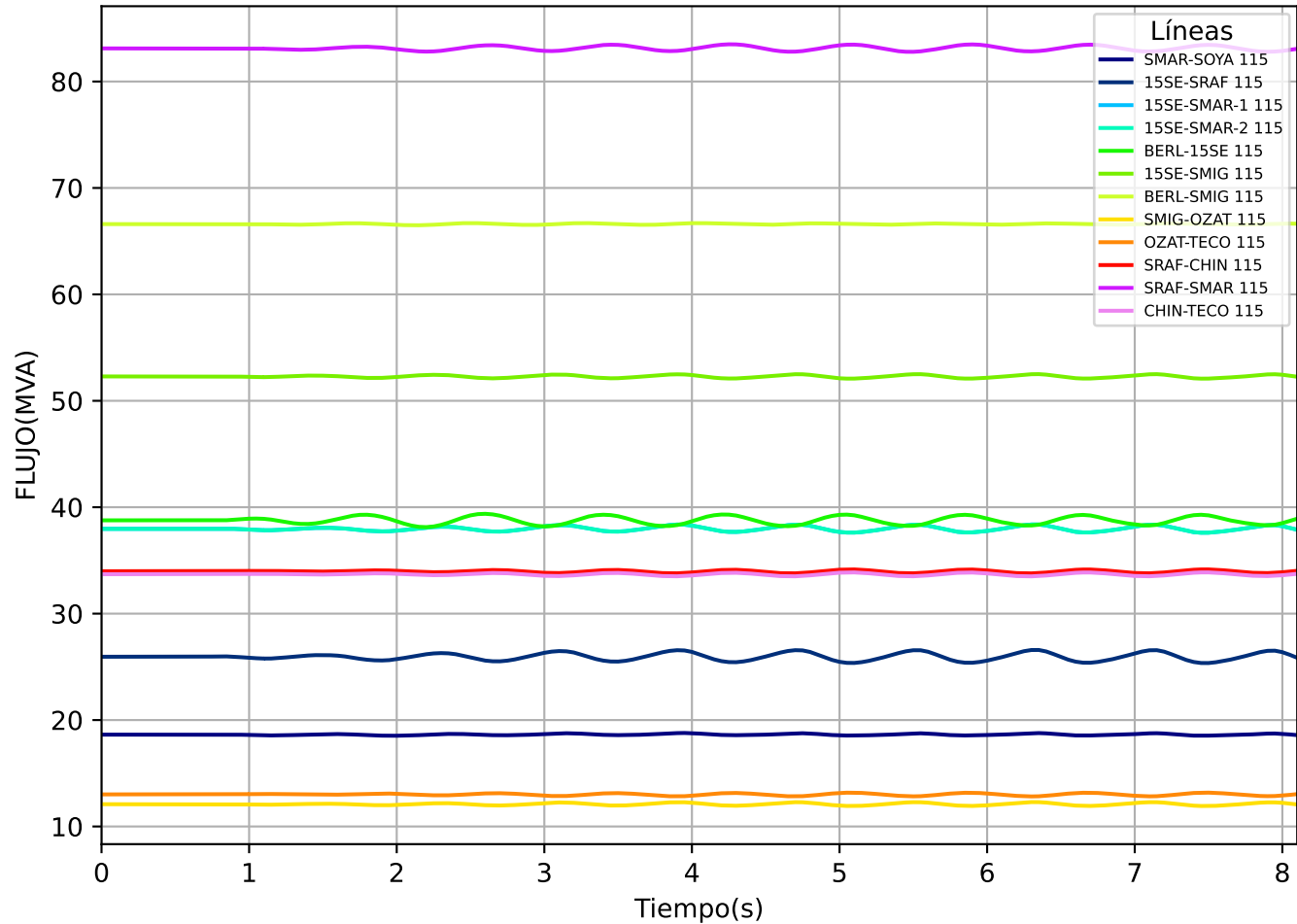
F49_AHUA-SANA: VOLTAJE 2



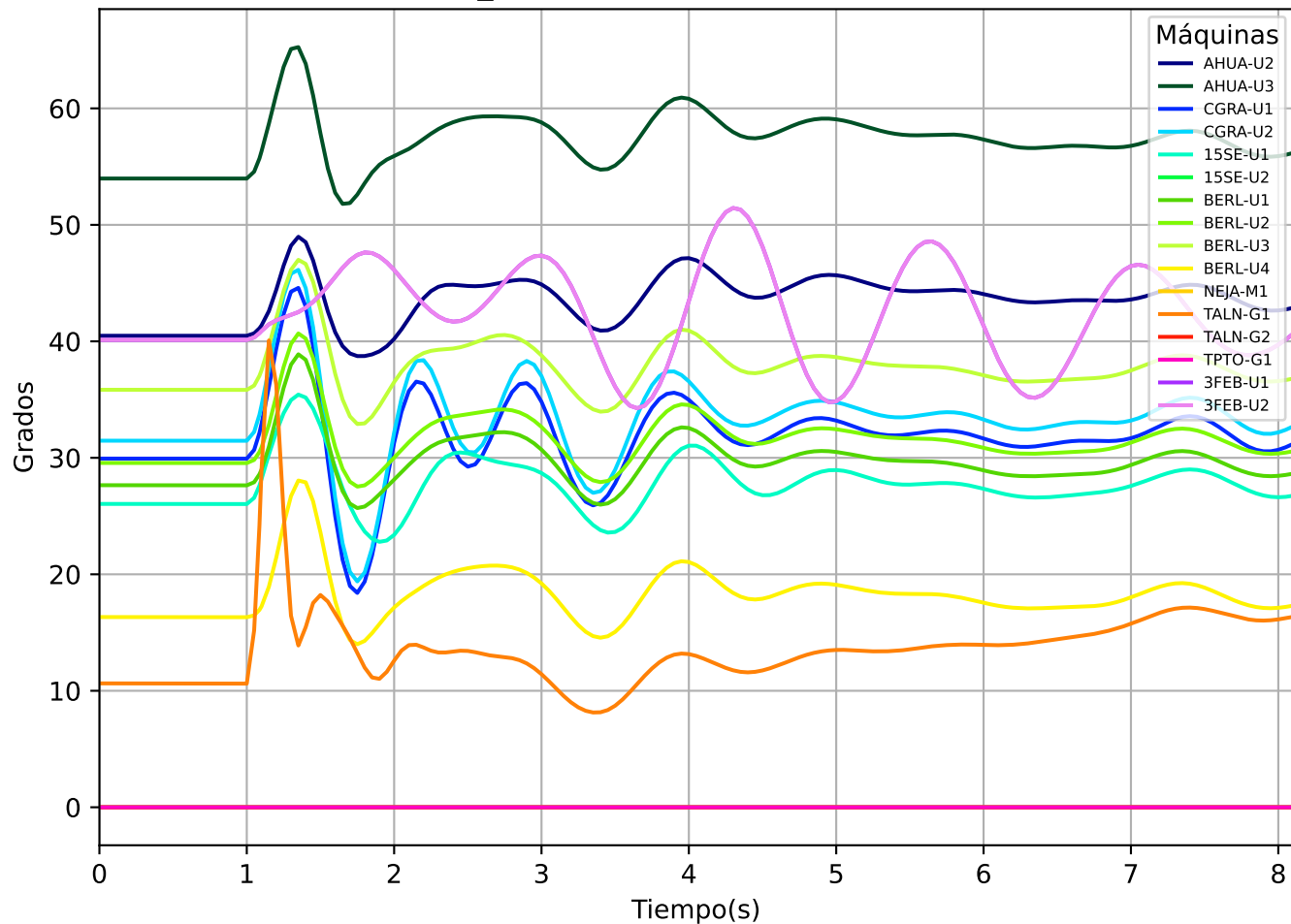
F52_ATEO-VOLC: FLUJO L-230kV 4



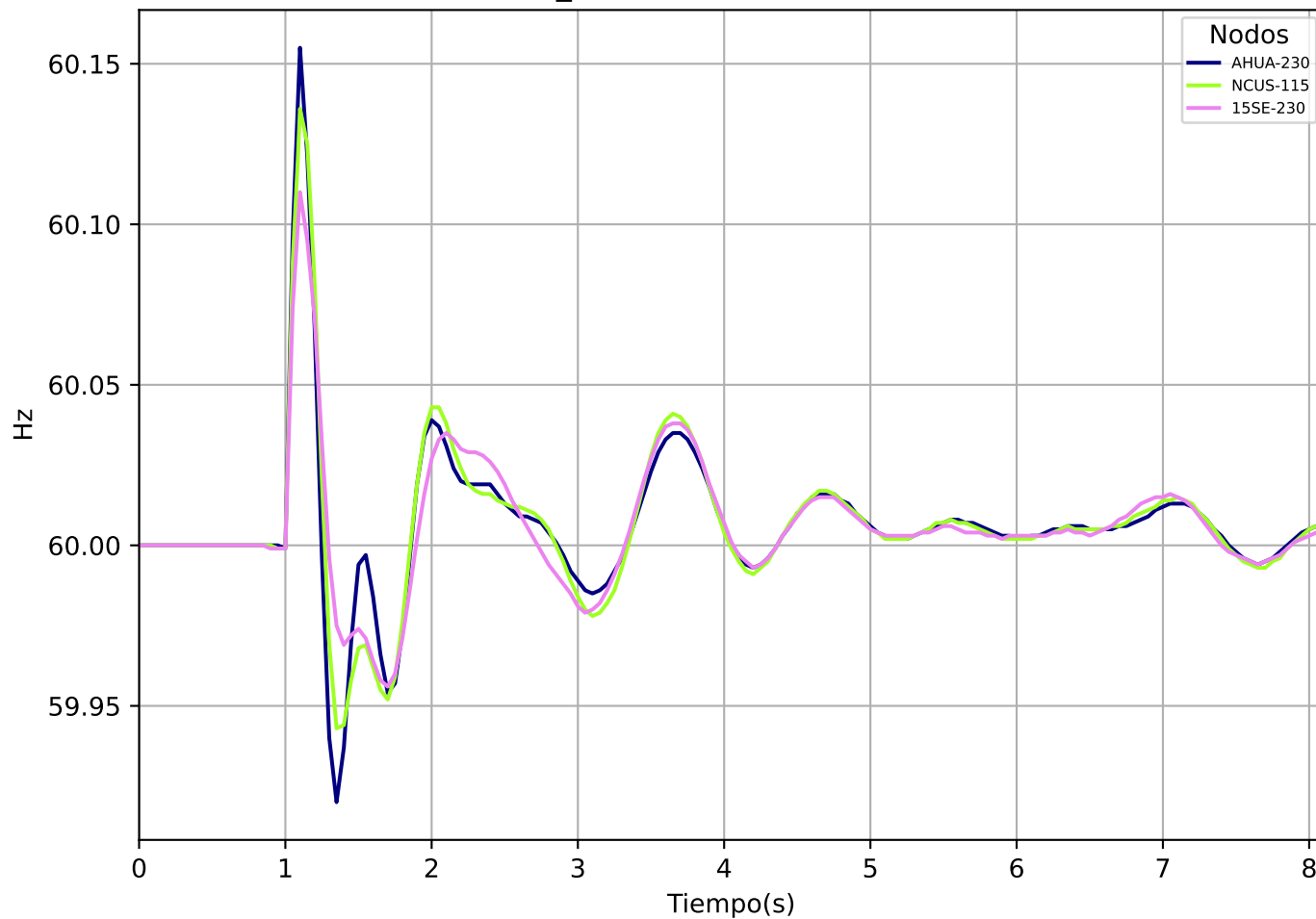
F48_SANT-TALN: FLUJO L-115kV 3



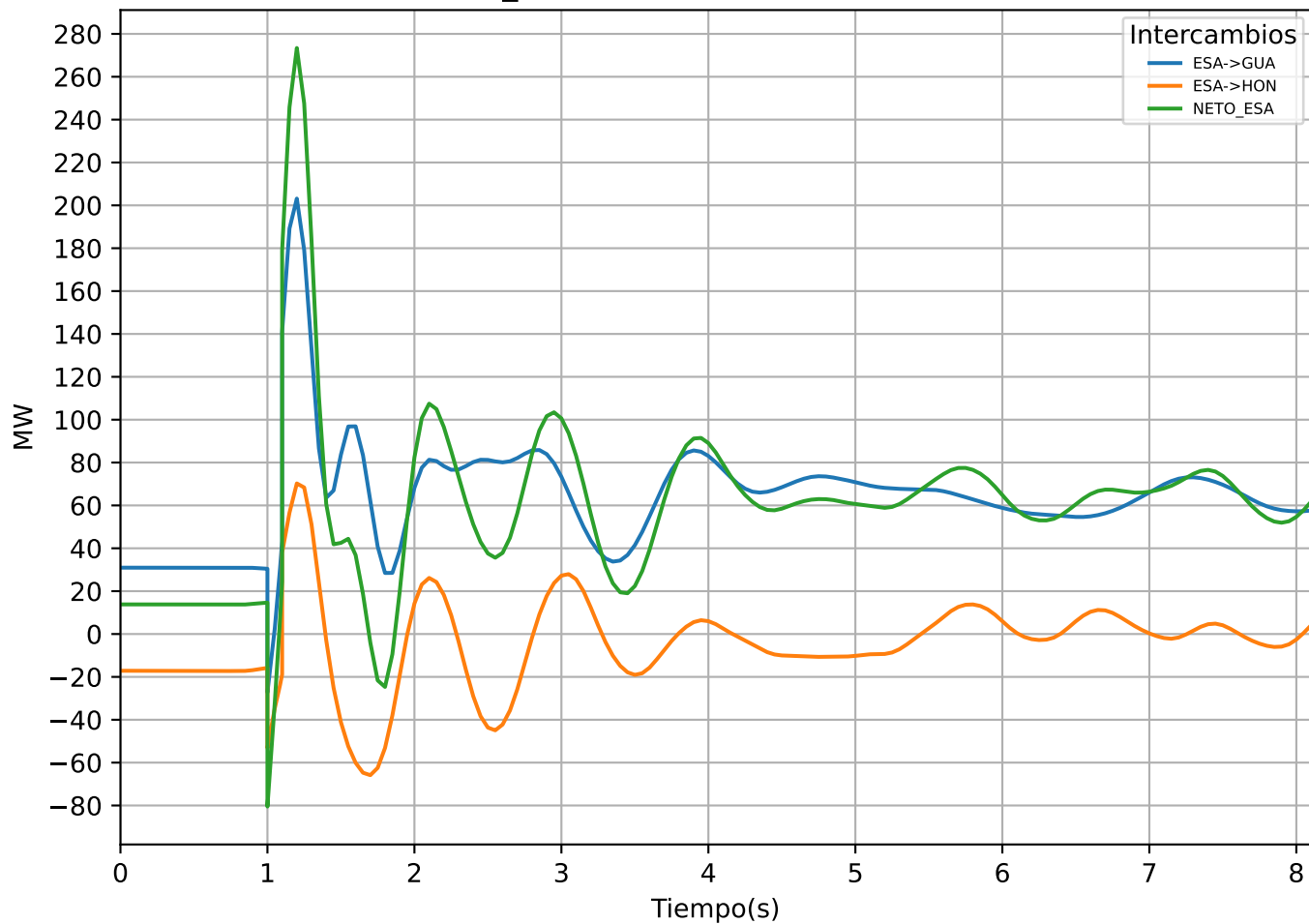
F52_ATEO-VOLC: ANGULO ROTOR 2



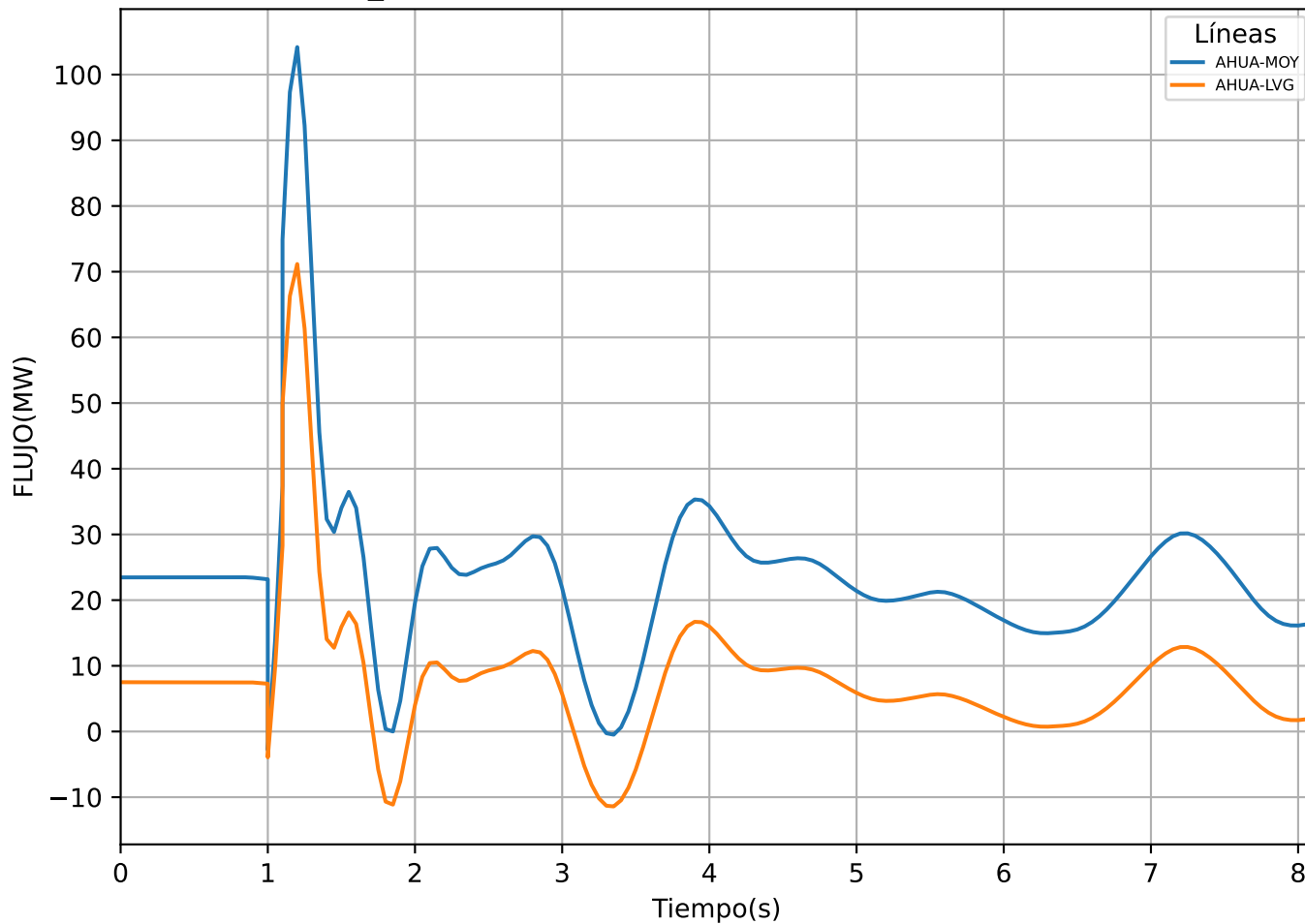
F52_ATEO-VOLC: FRECUENCIA



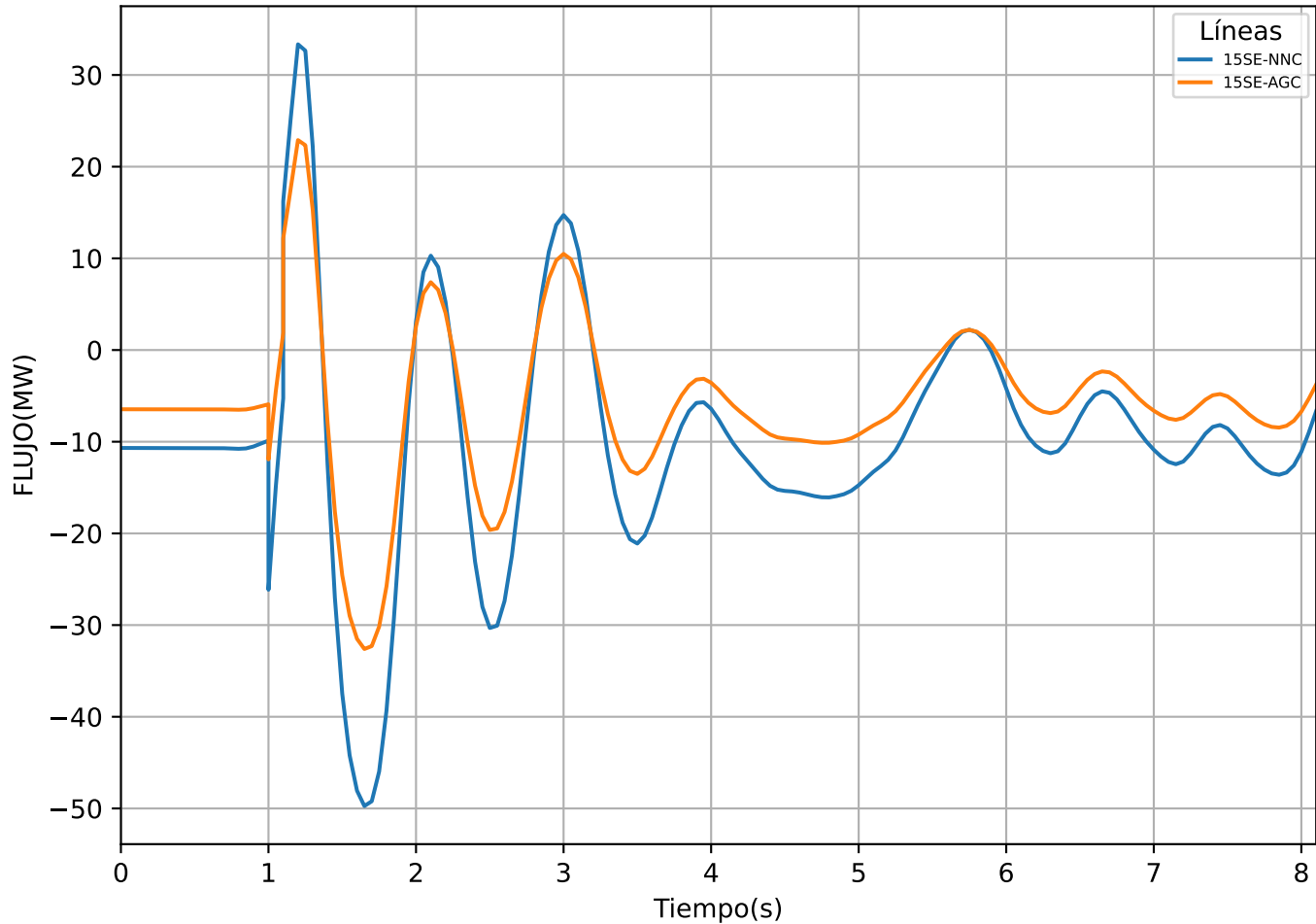
F52_ATEO-VOLC: Intercambios ESA



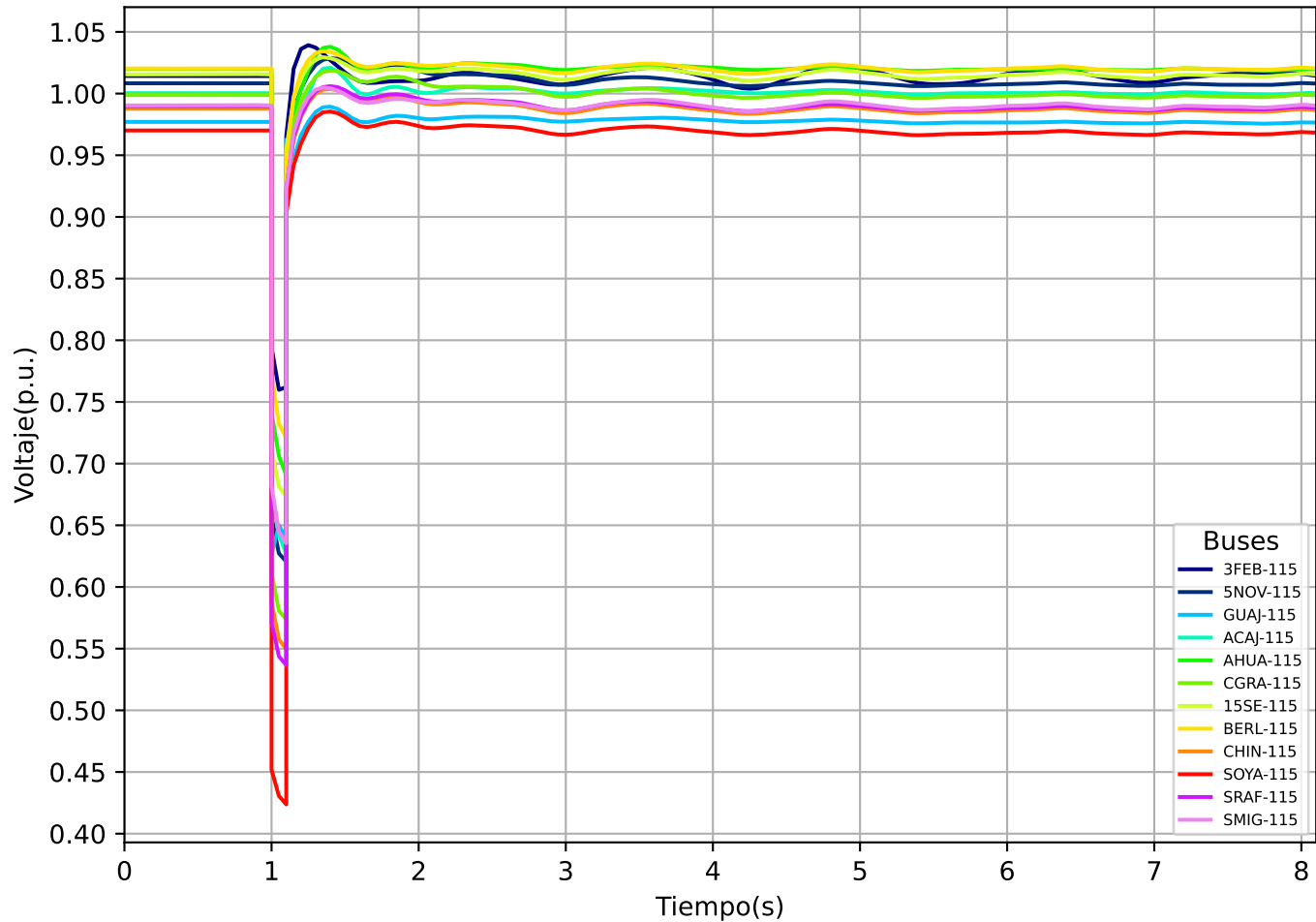
F53_TALN-VOLC: FLUJO INTERCONEXIONES ESA-GUA



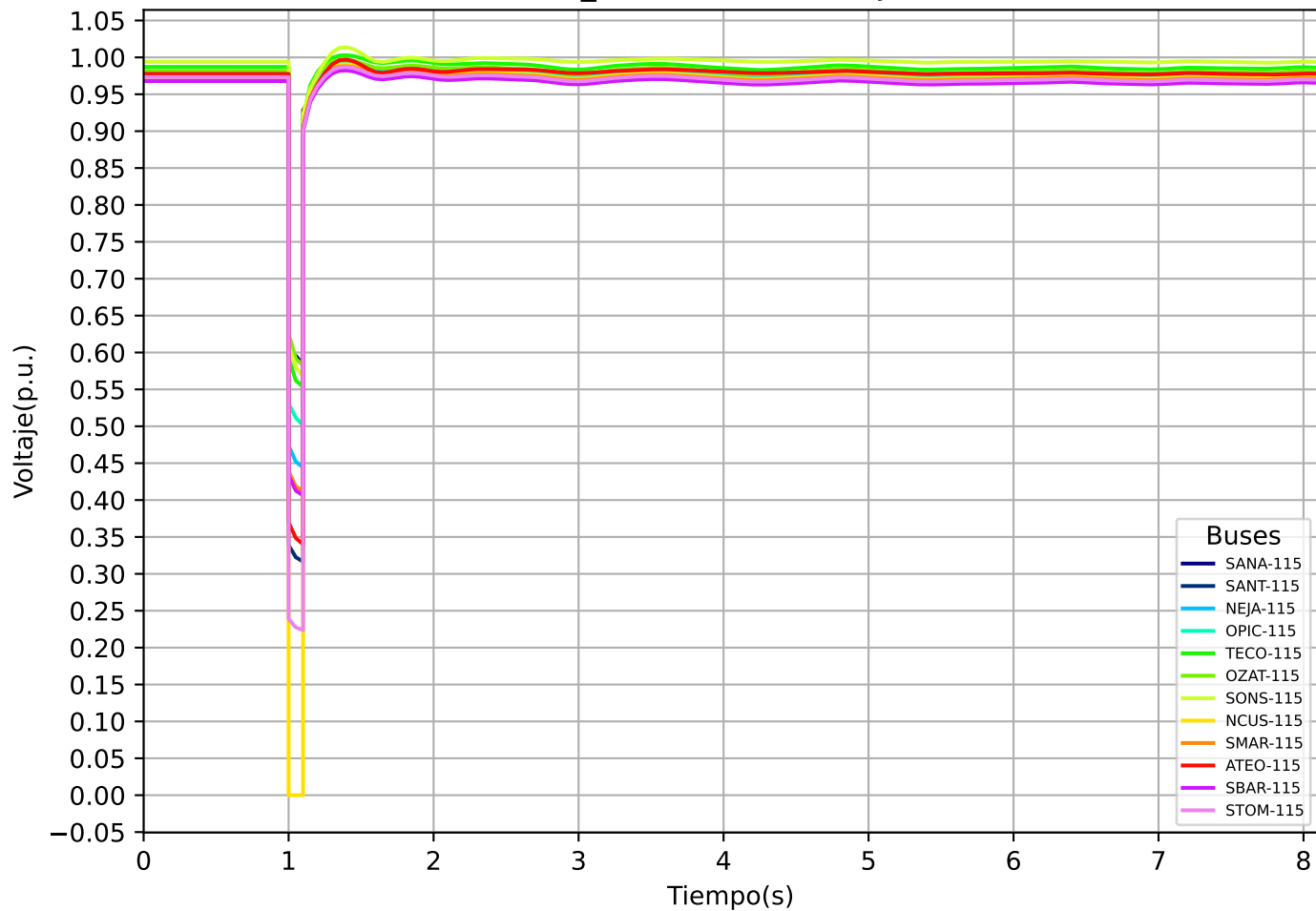
F53_TALN-VOLC: FLUJO INTERCONEXIONES ESA-HON



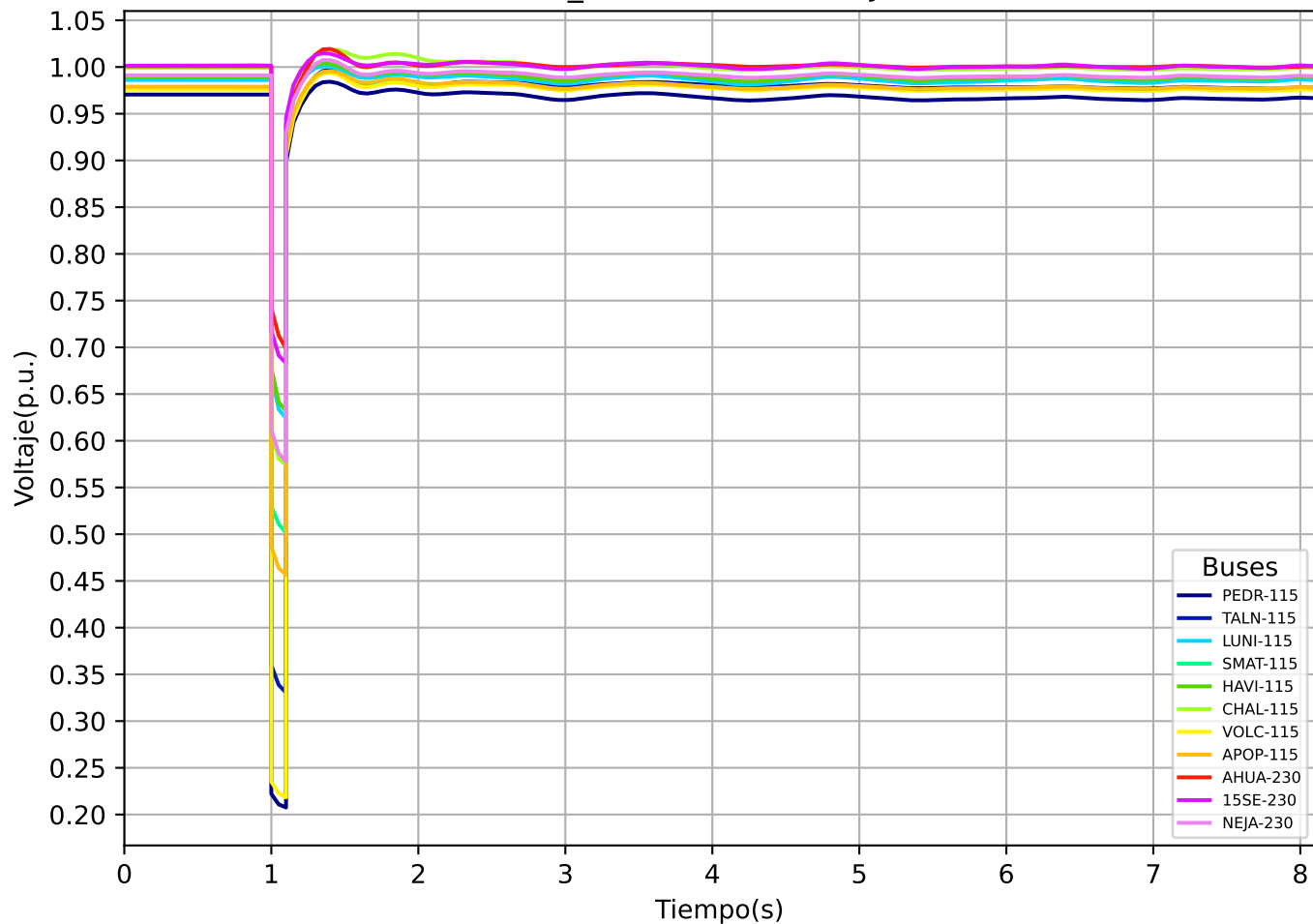
F53_TALN-VOLC: VOLTAJE 1



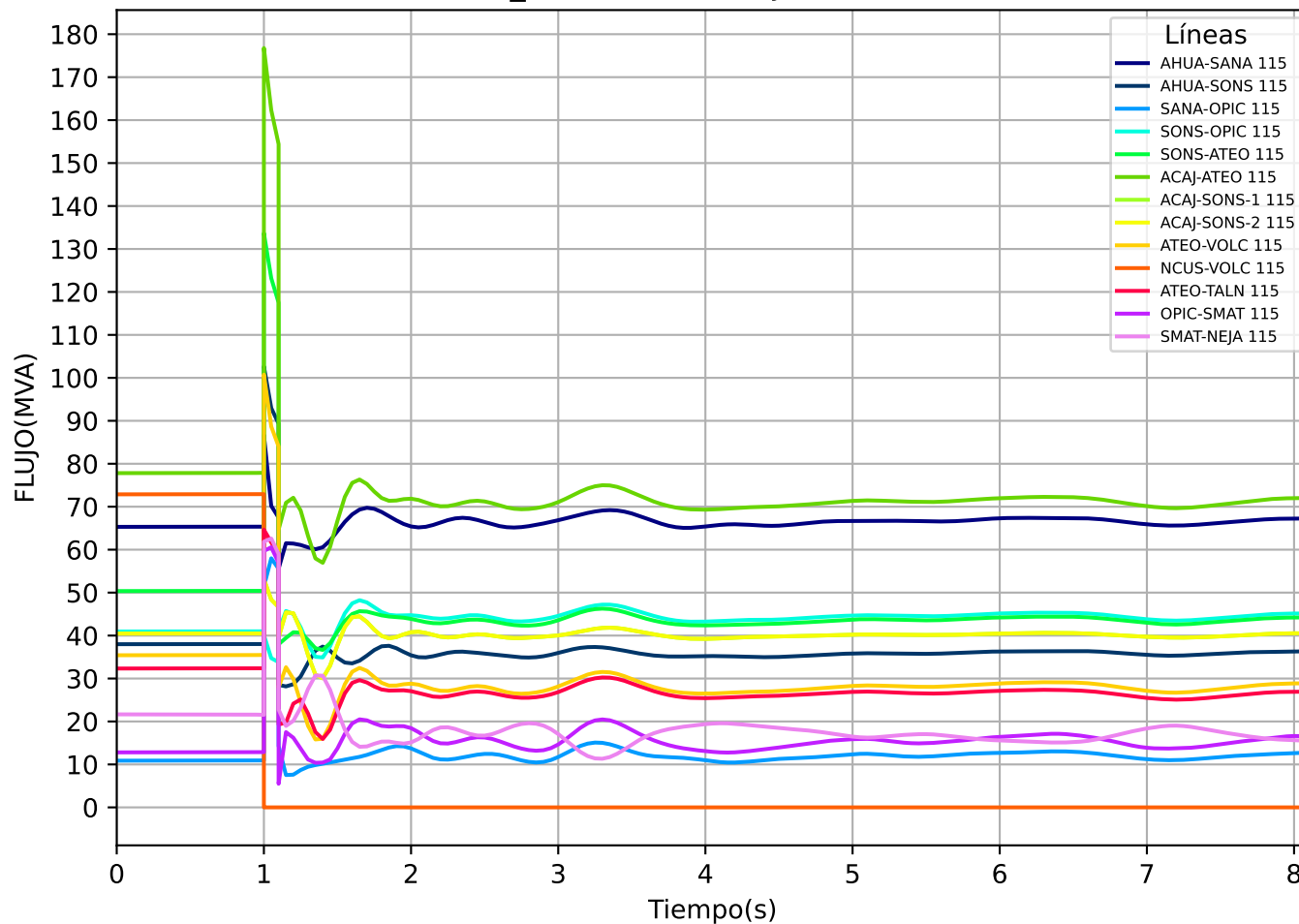
F53_TALN-VOLC: VOLTAJE 2



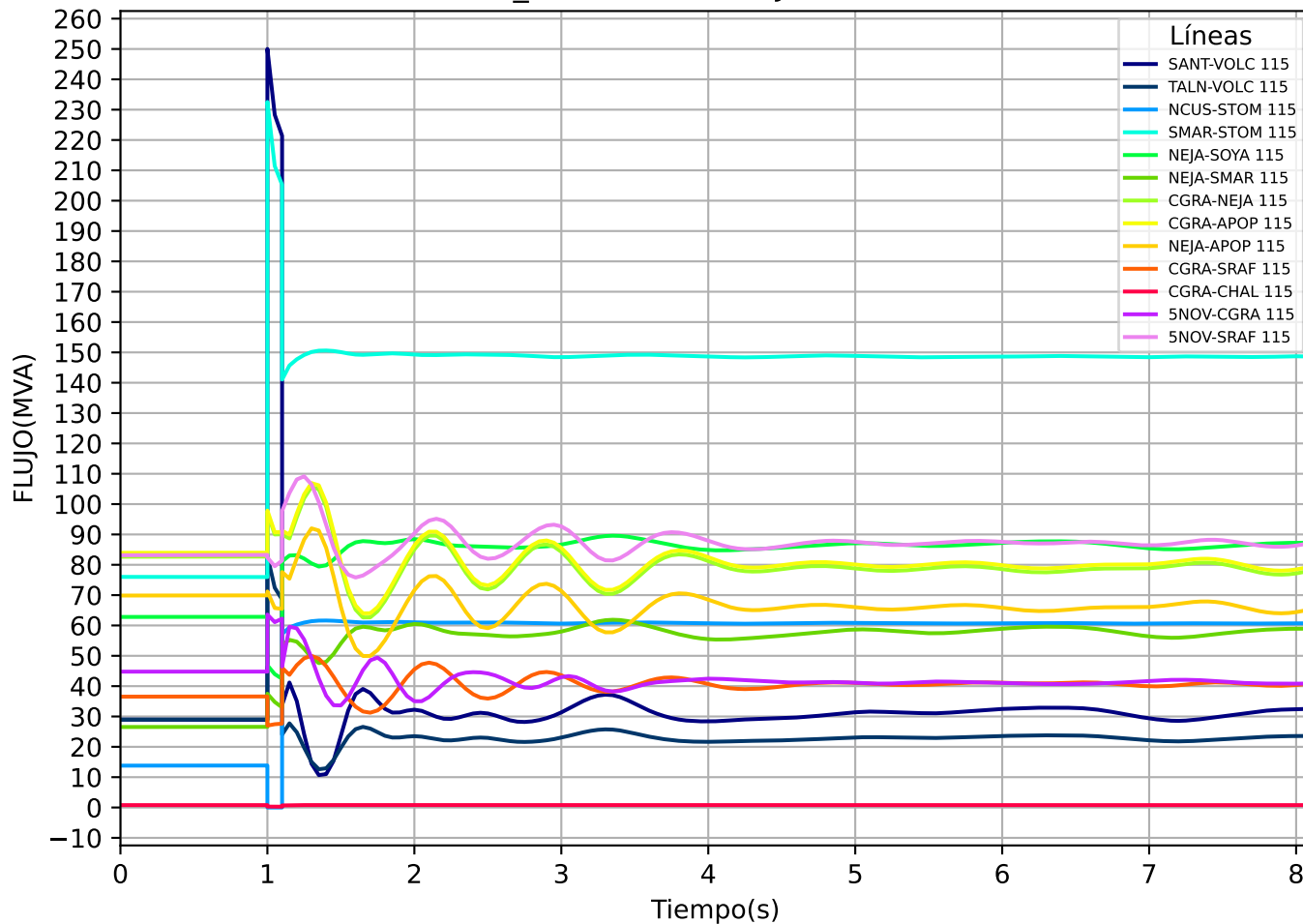
F53_TALN-VOLC: VOLTAJE 3



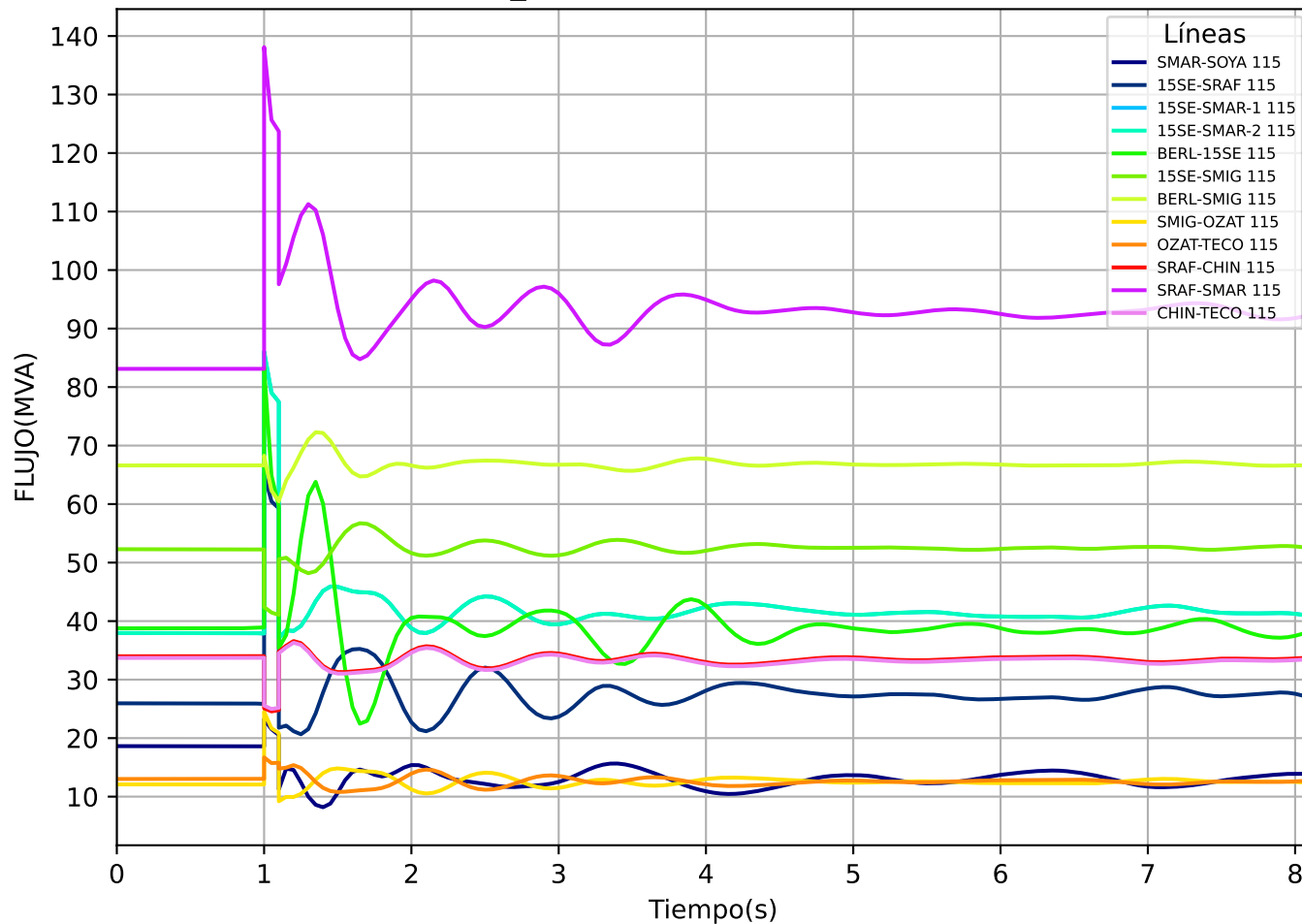
F53_TALN-VOLC: FLUJO L-115kV 1



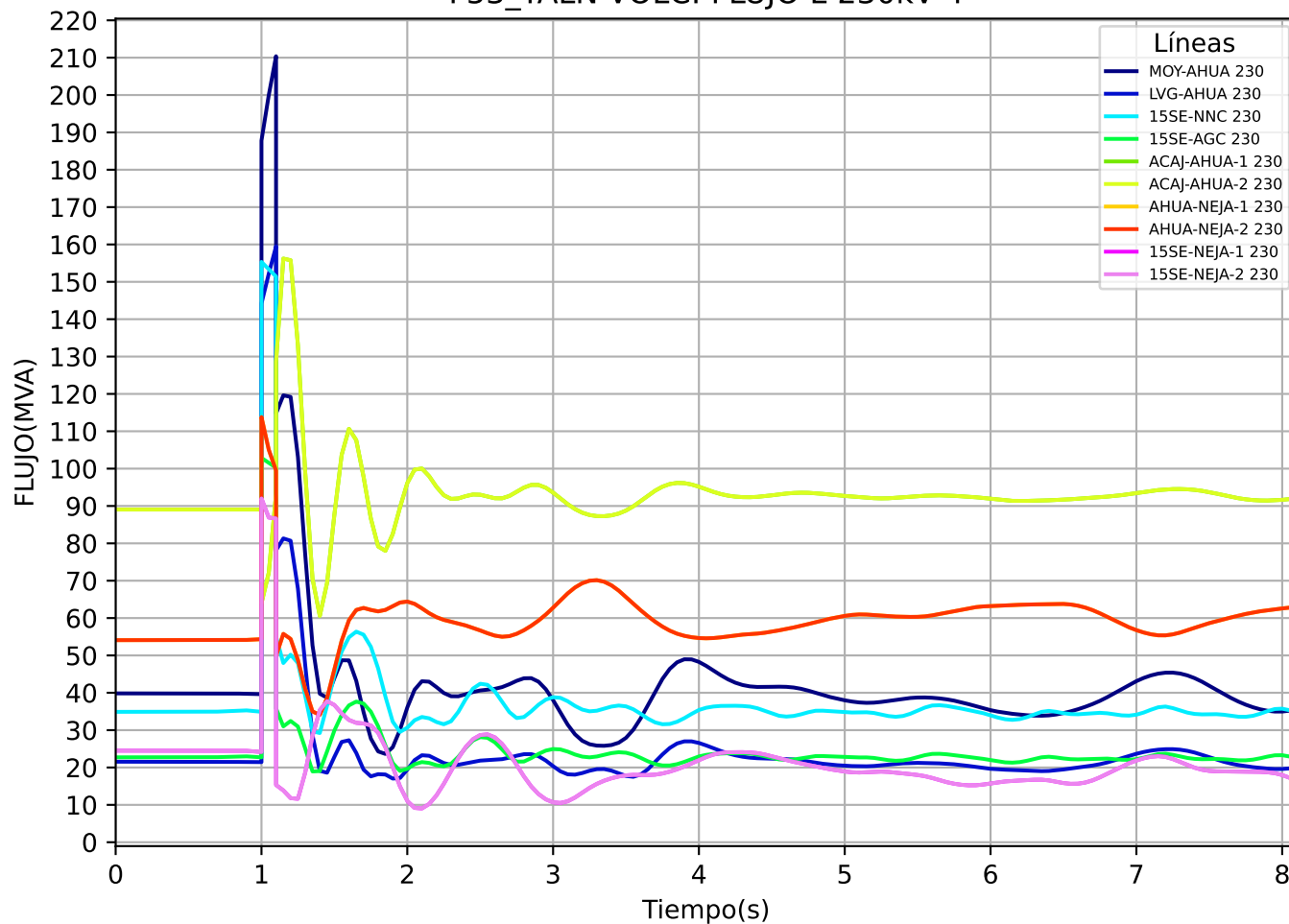
F53_TALN-VOLC: FLUJO L-115kV 2



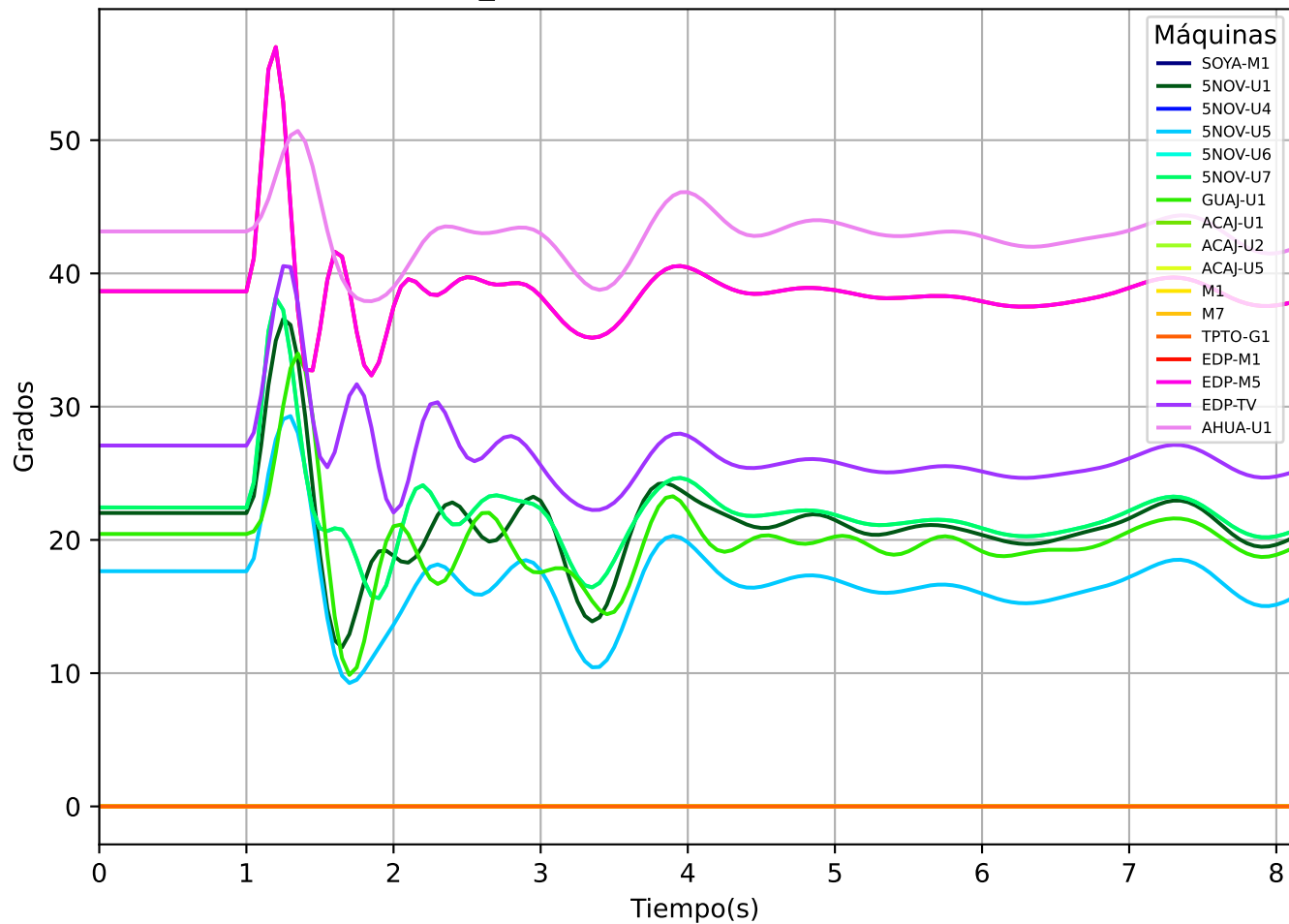
F53_TALN-VOLC: FLUJO L-115kV 3



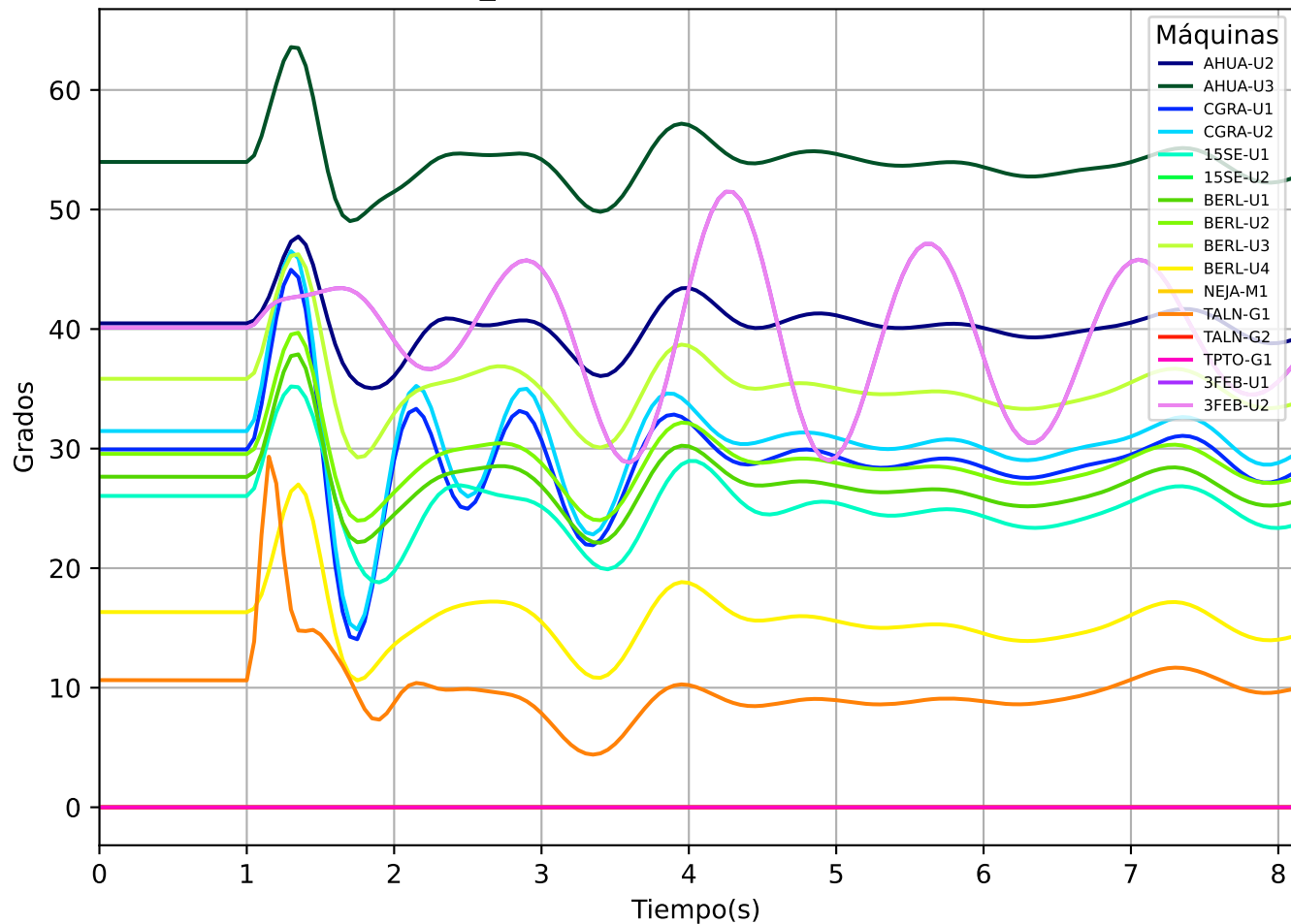
F53_TALN-VOLC: FLUJO L-230kV 4



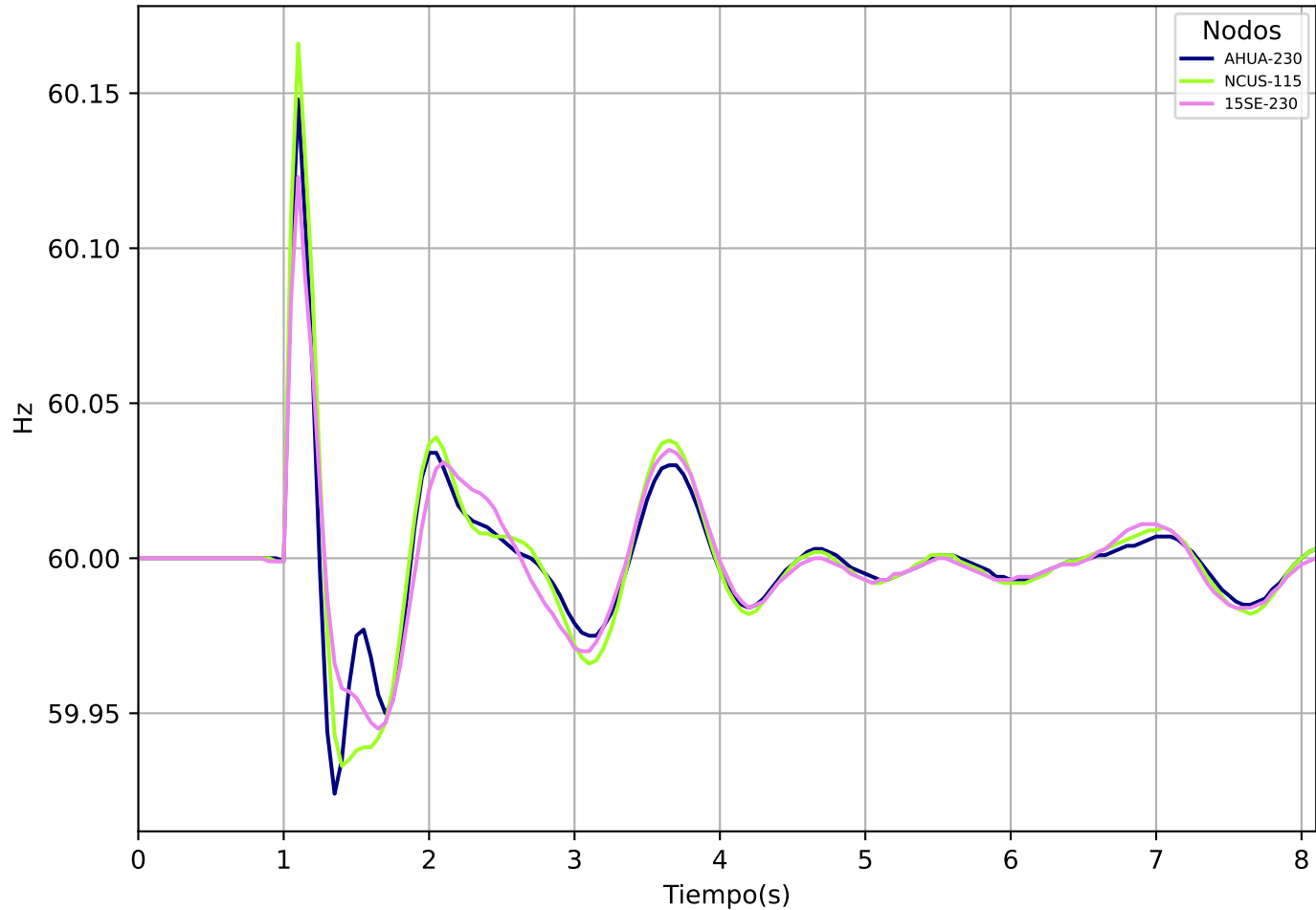
F53_TALN-VOLC: ANGULO ROTOR 1



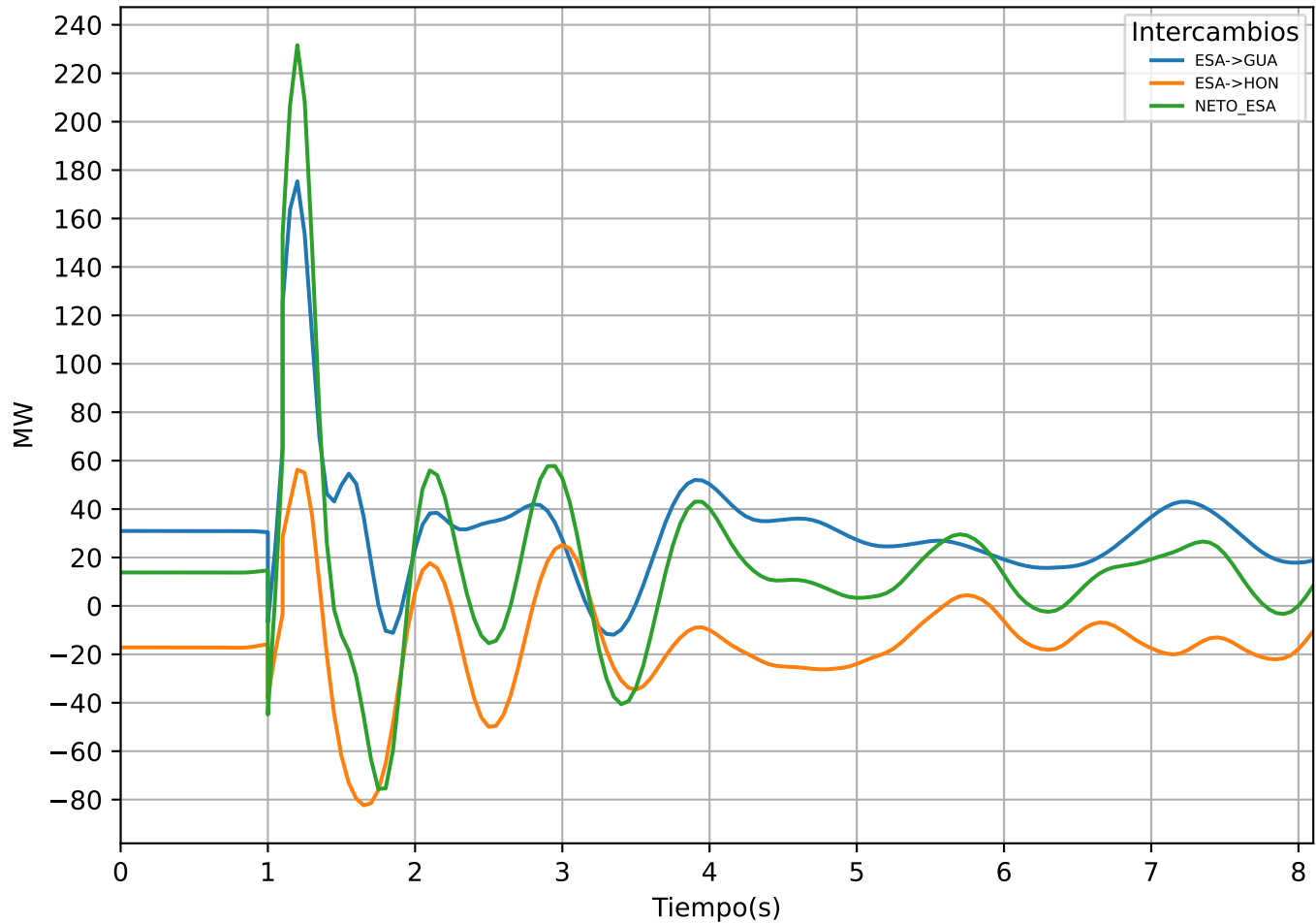
F53_TALN-VOLC: ANGULO ROTOR 2



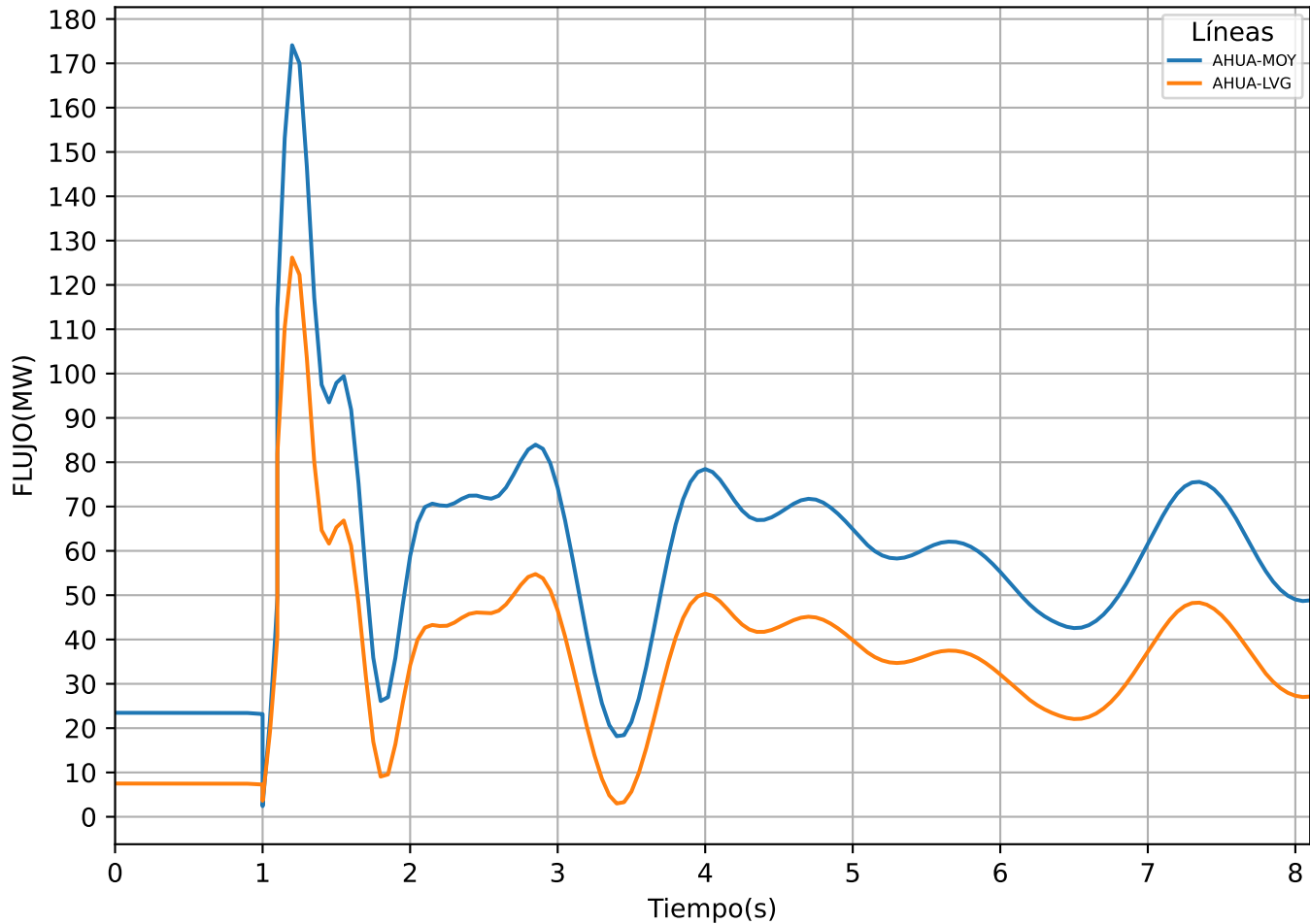
F53_TALN-VOLC: FRECUENCIA



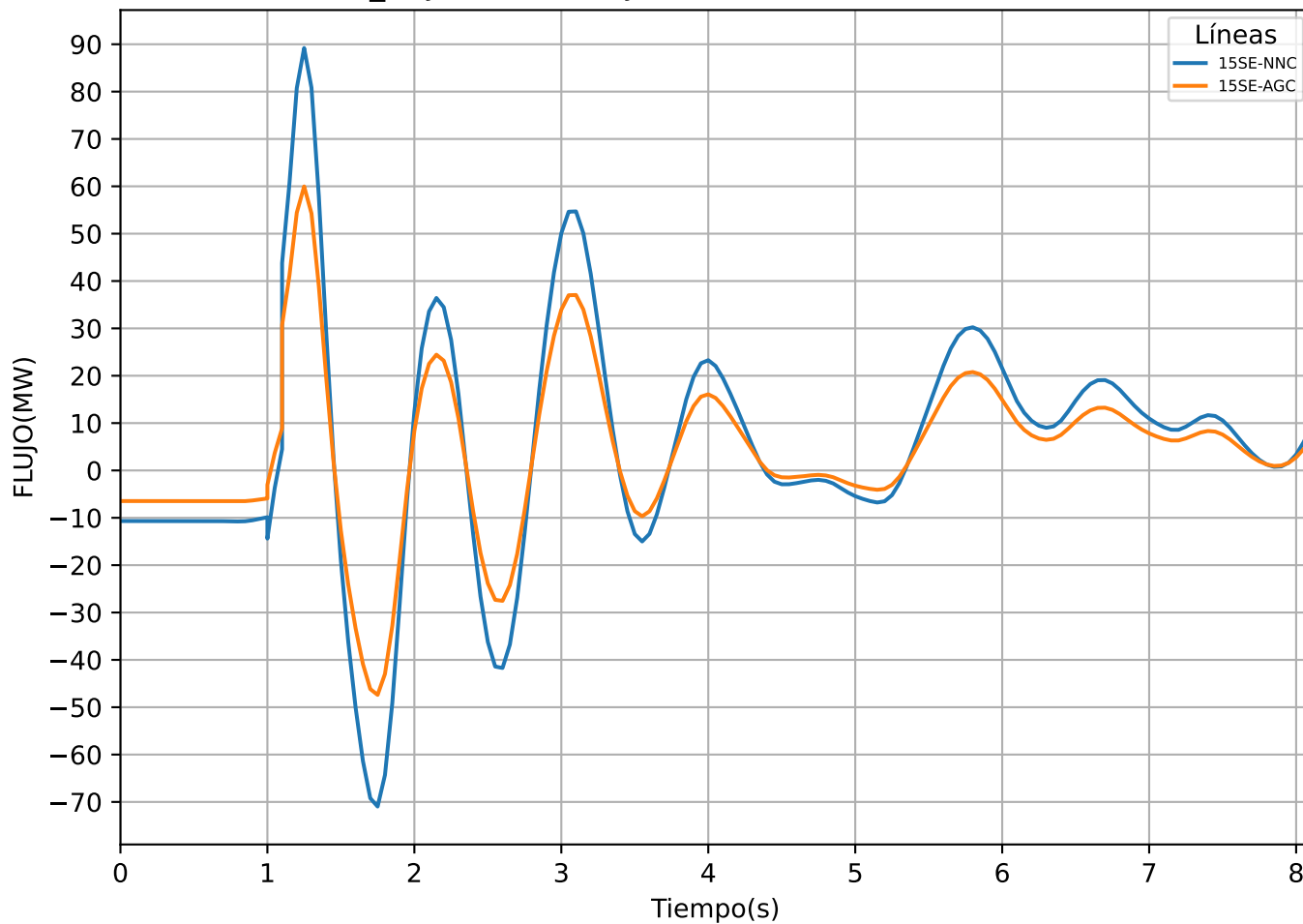
F53_TALN-VOLC: Intercambios ESA



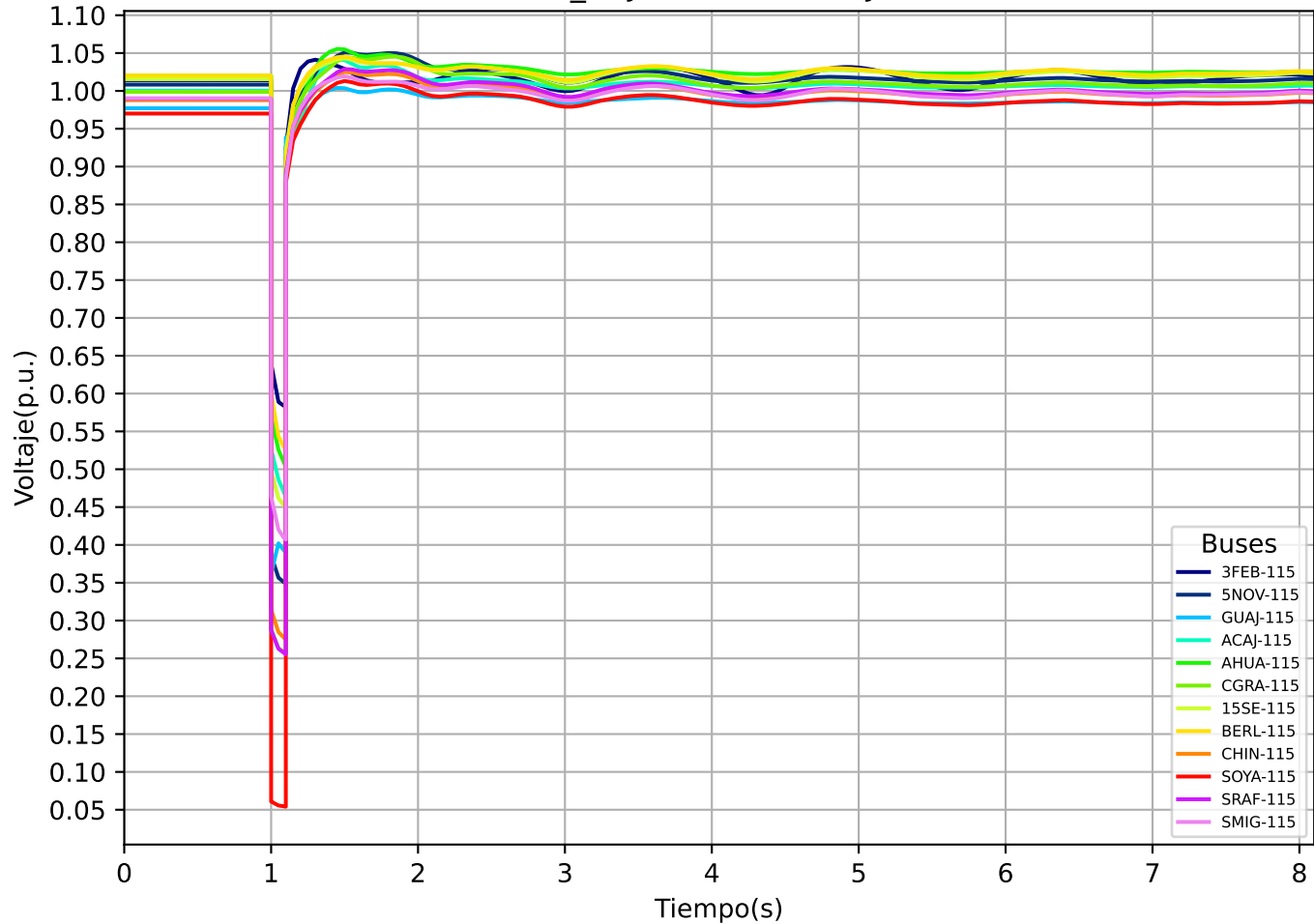
F54_NEJA-APOP: FLUJO INTERCONEXIONES ESA-GUA



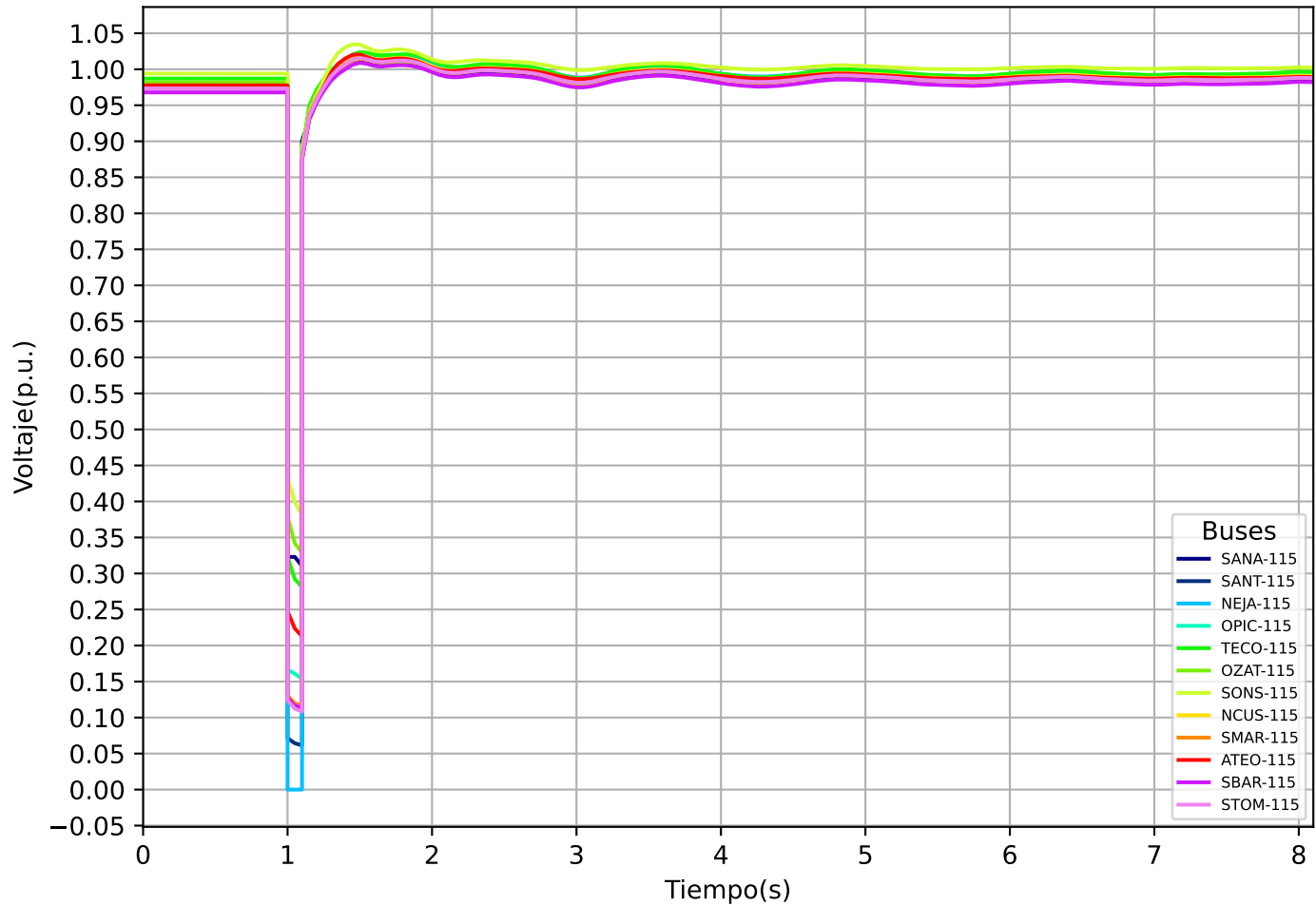
F54_NEJA-APOP: FLUJO INTERCONEXIONES ESA-HON



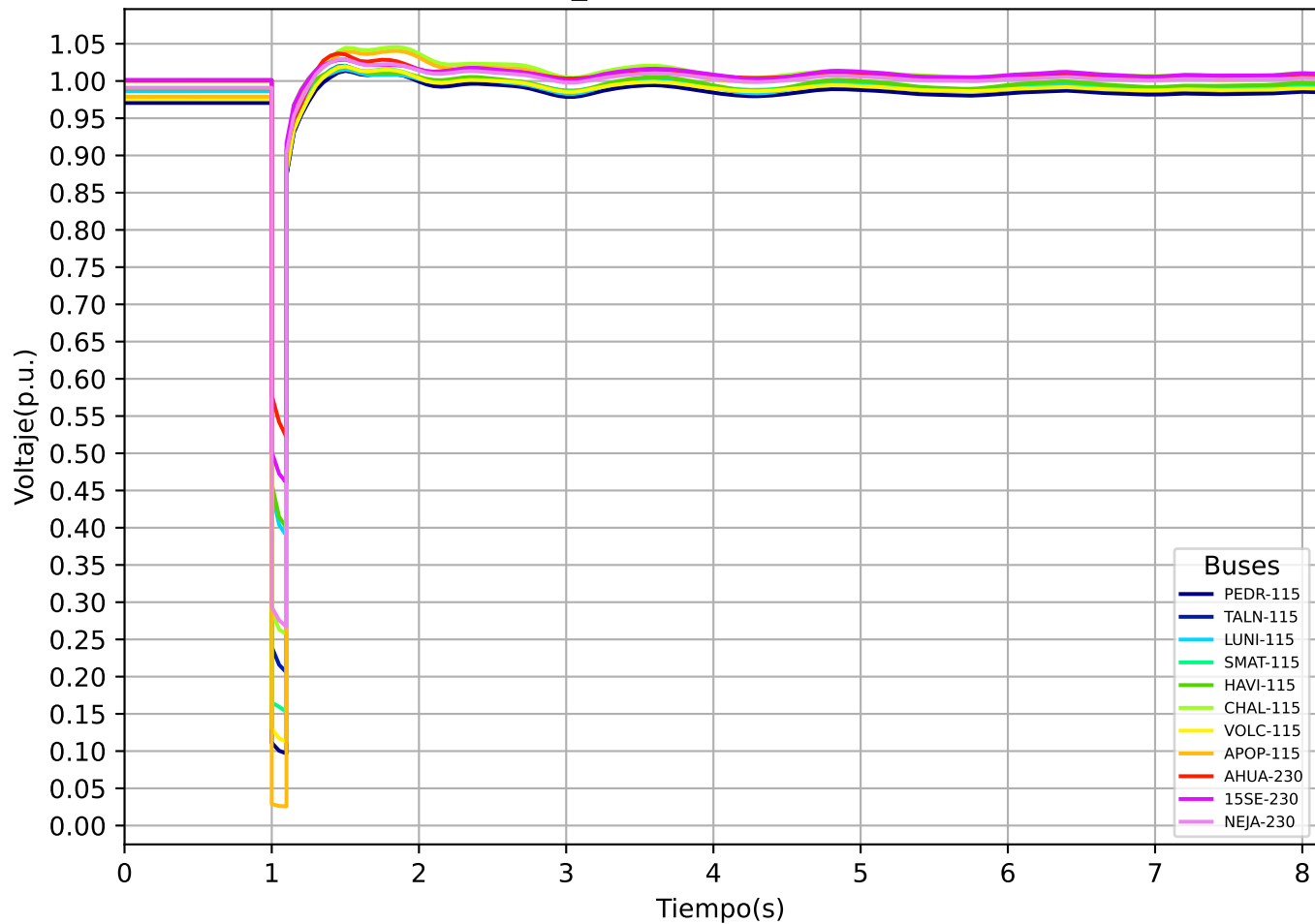
F54_NEJA-APOP: VOLTAJE 1



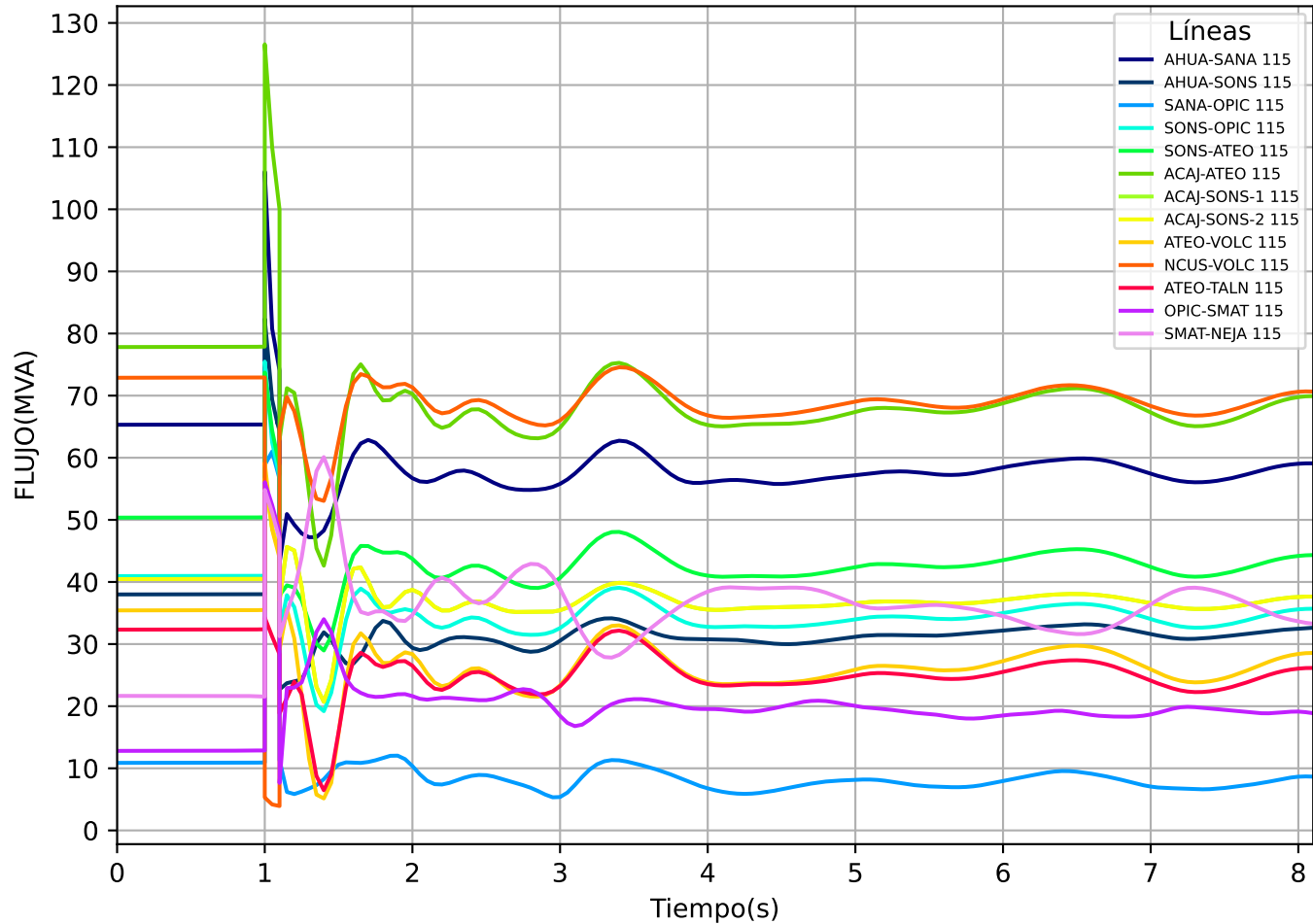
F54_NEJA-APOP: VOLTAJE 2



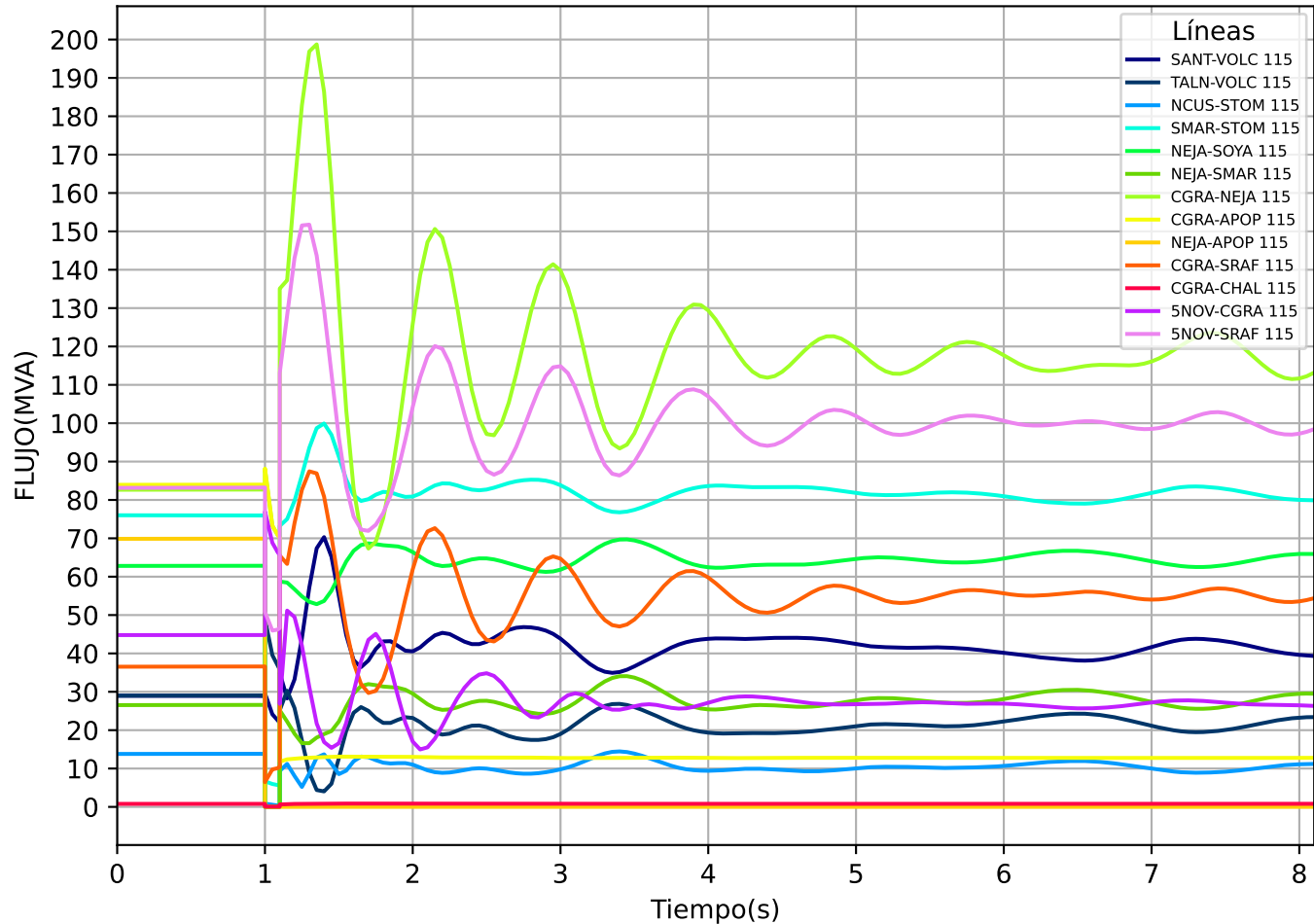
F54_NEJA-APOP: VOLTAGE 3



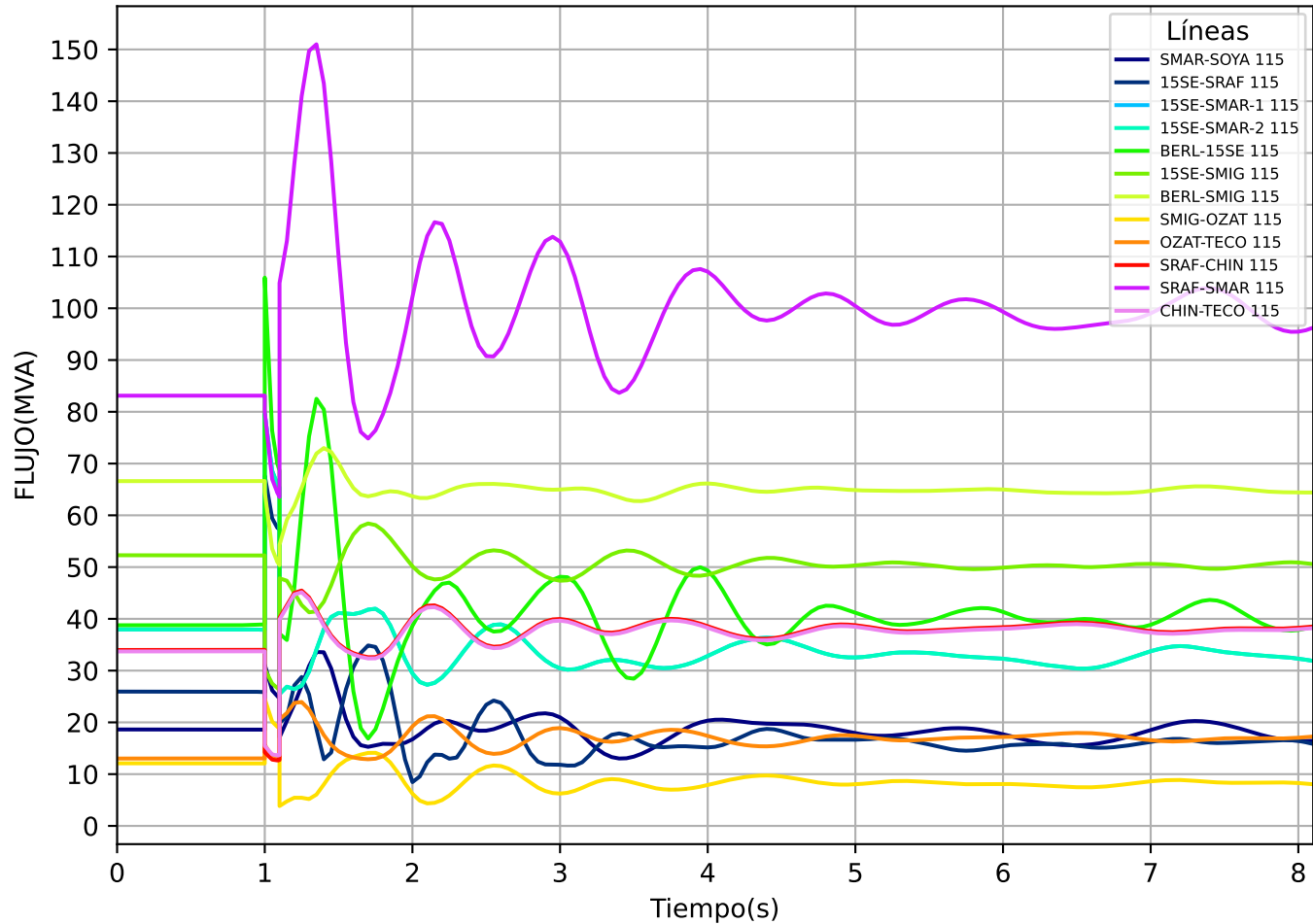
F54_NEJA-APOP: FLUJO L-115kV 1



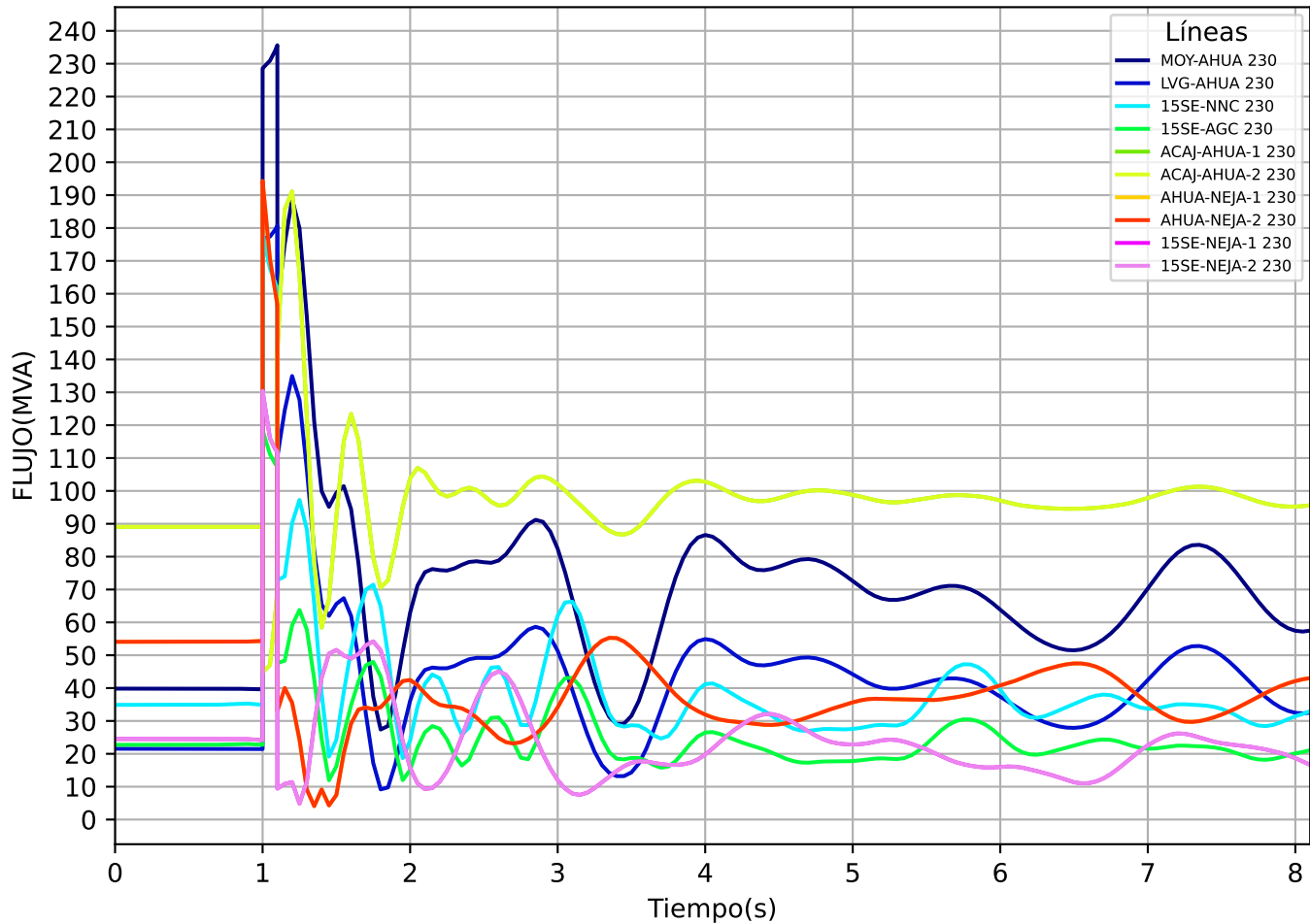
F54_NEJA-APOP: FLUJO L-115kV 2



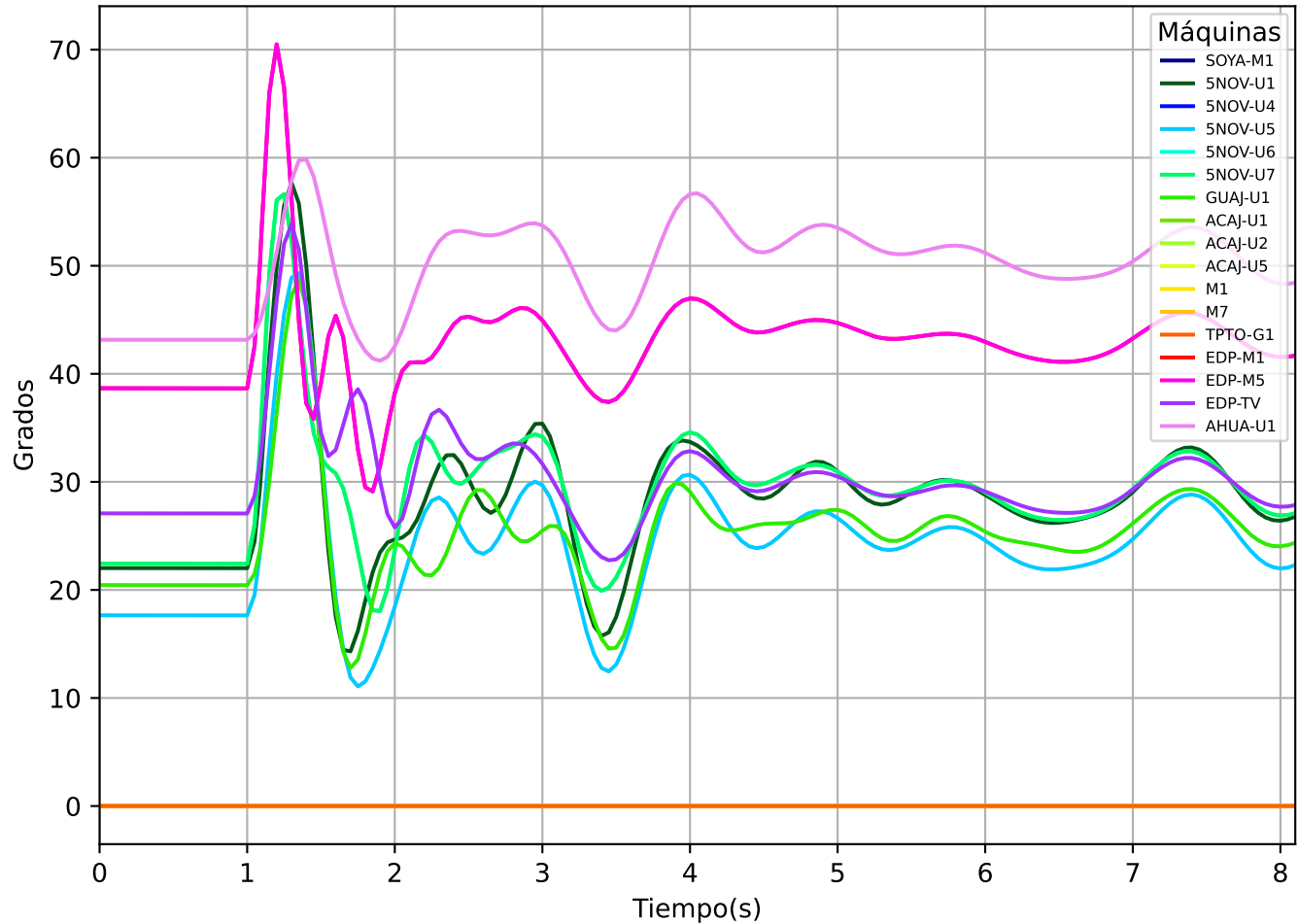
F54_NEJA-APOP: FLUJO L-115kV 3



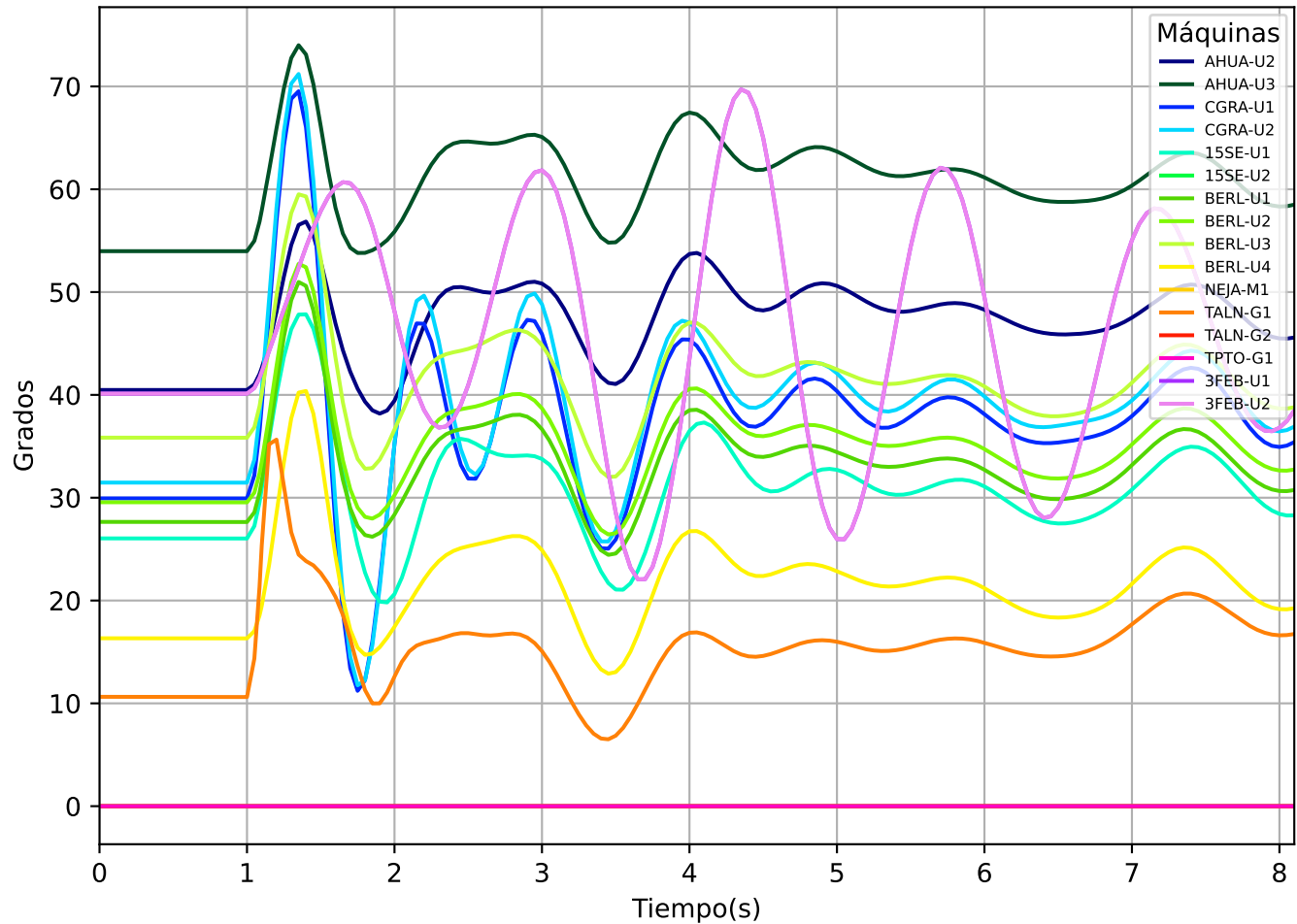
F54 NEJA-APOP: FLUJO L-230kV 4



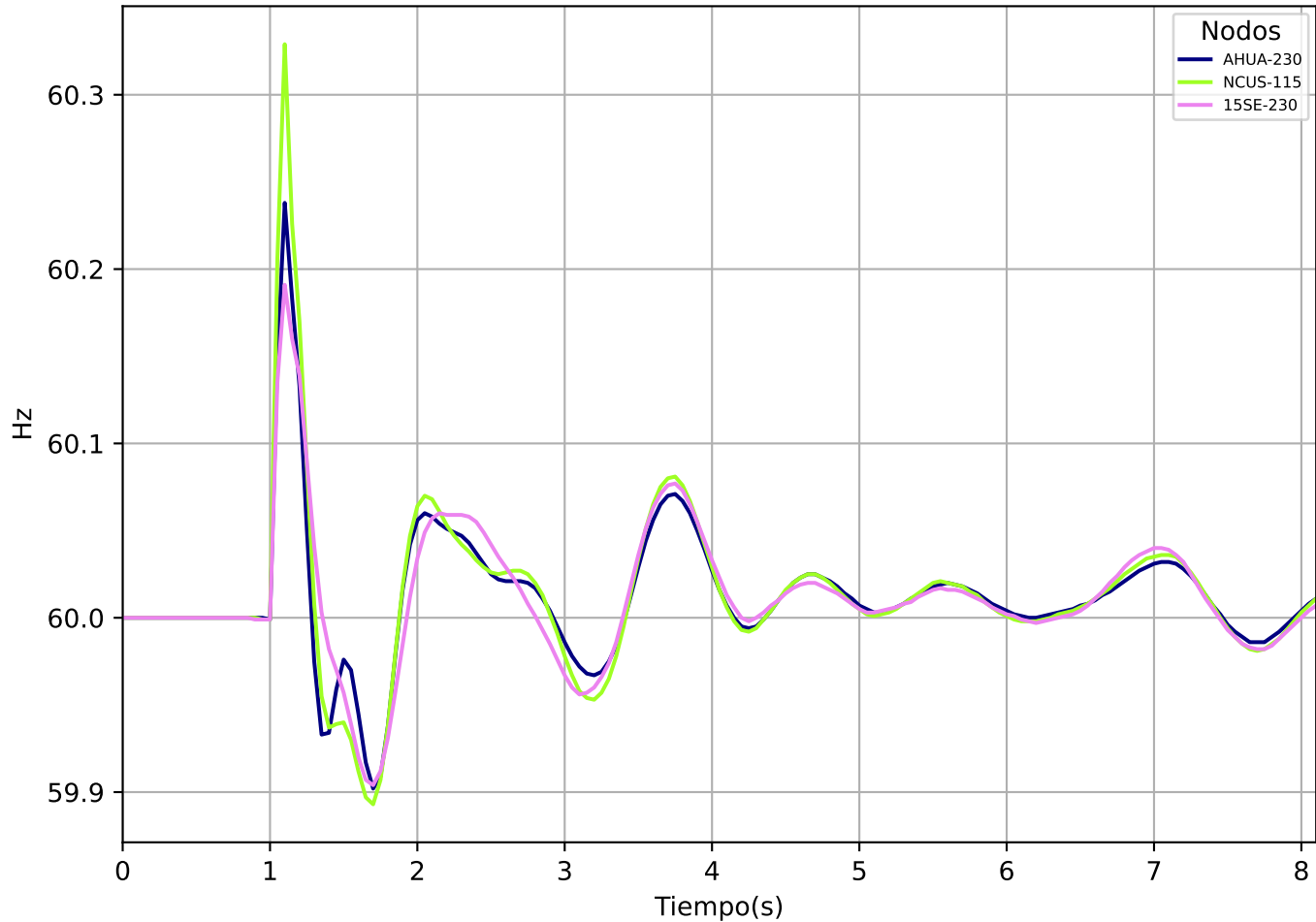
F54_NEJA-APOP: ANGULO ROTOR 1



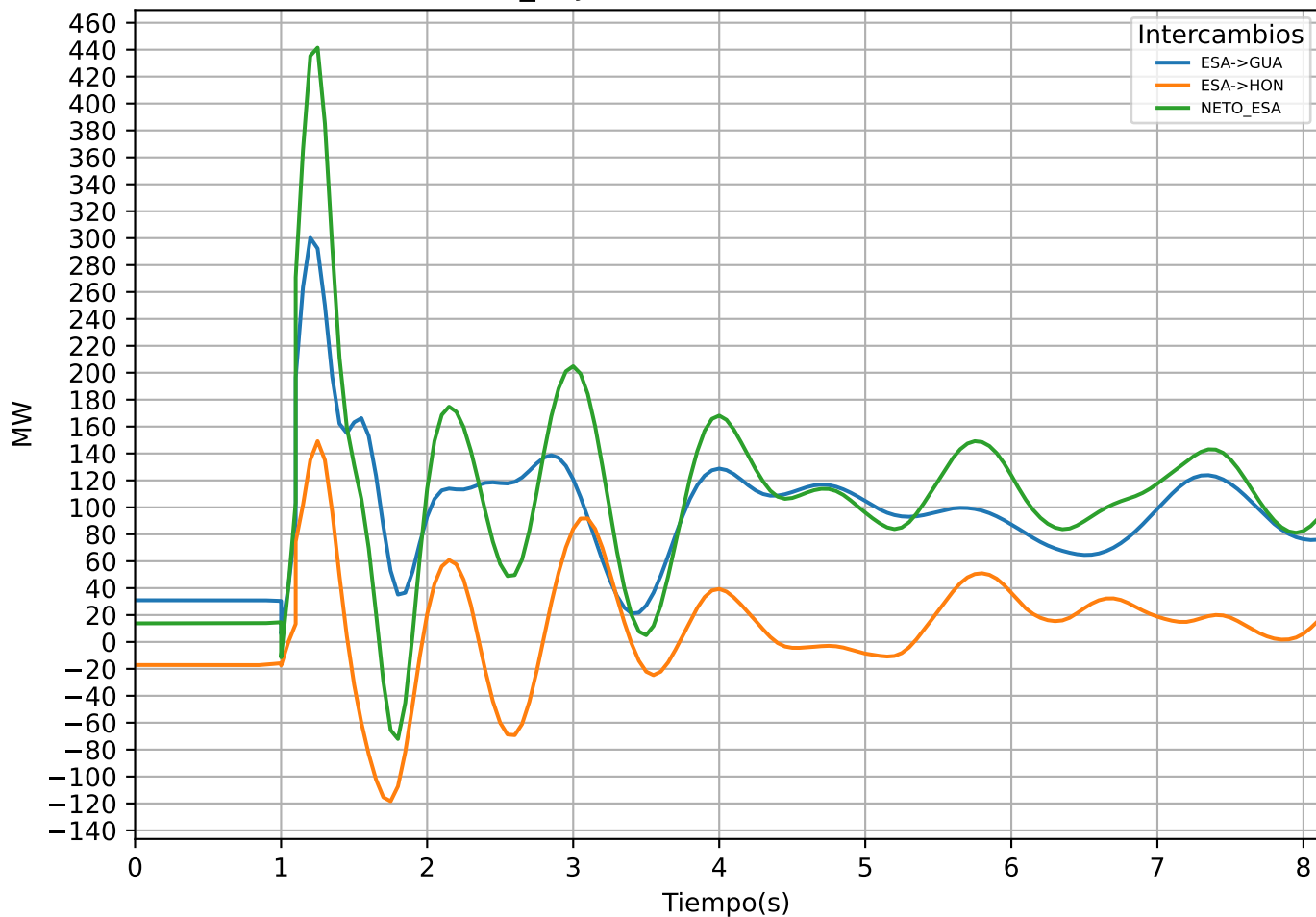
F54_NEJA-APOP: ANGULO ROTOR 2



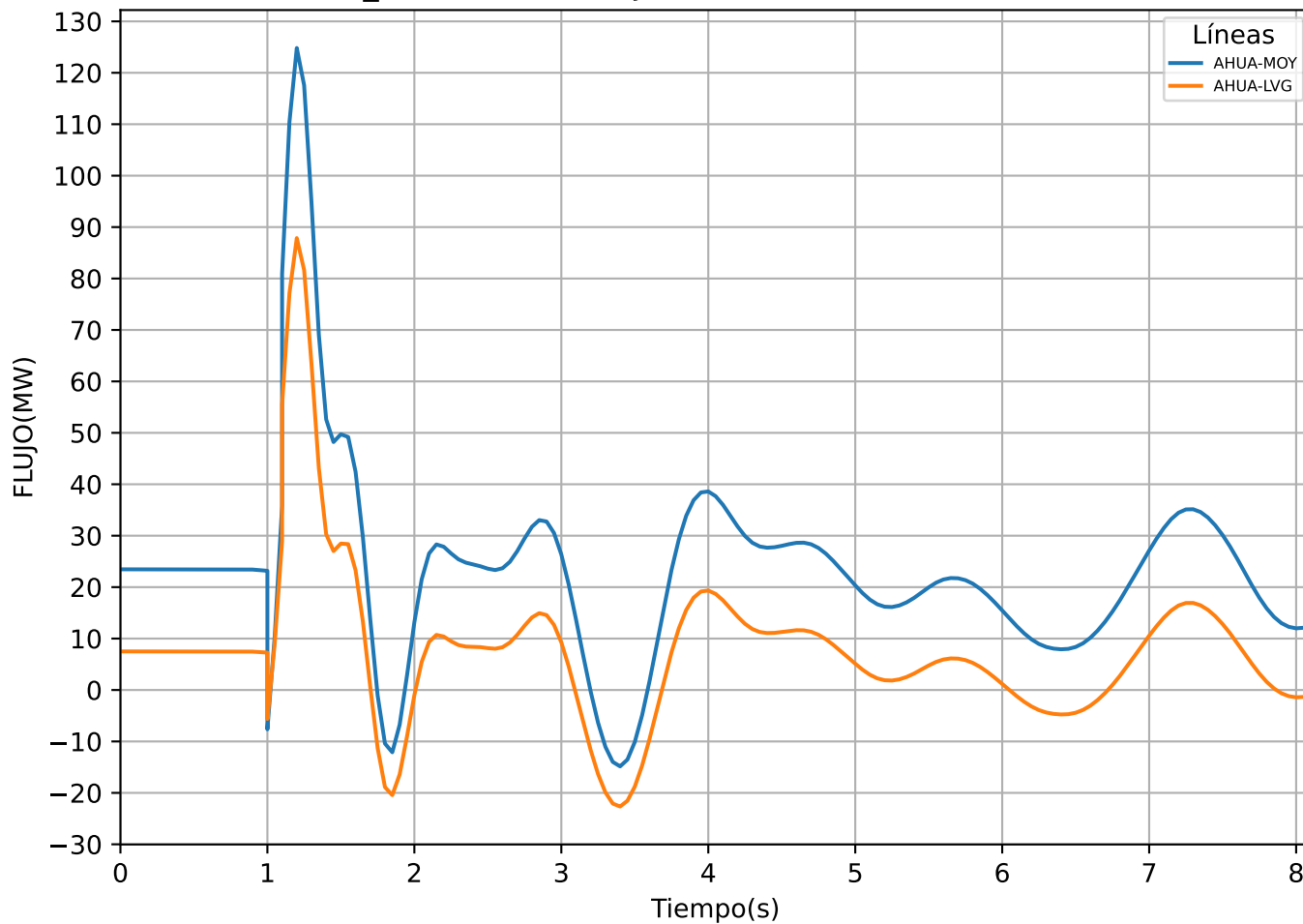
F54_NEJA-APOP: FRECUENCIA



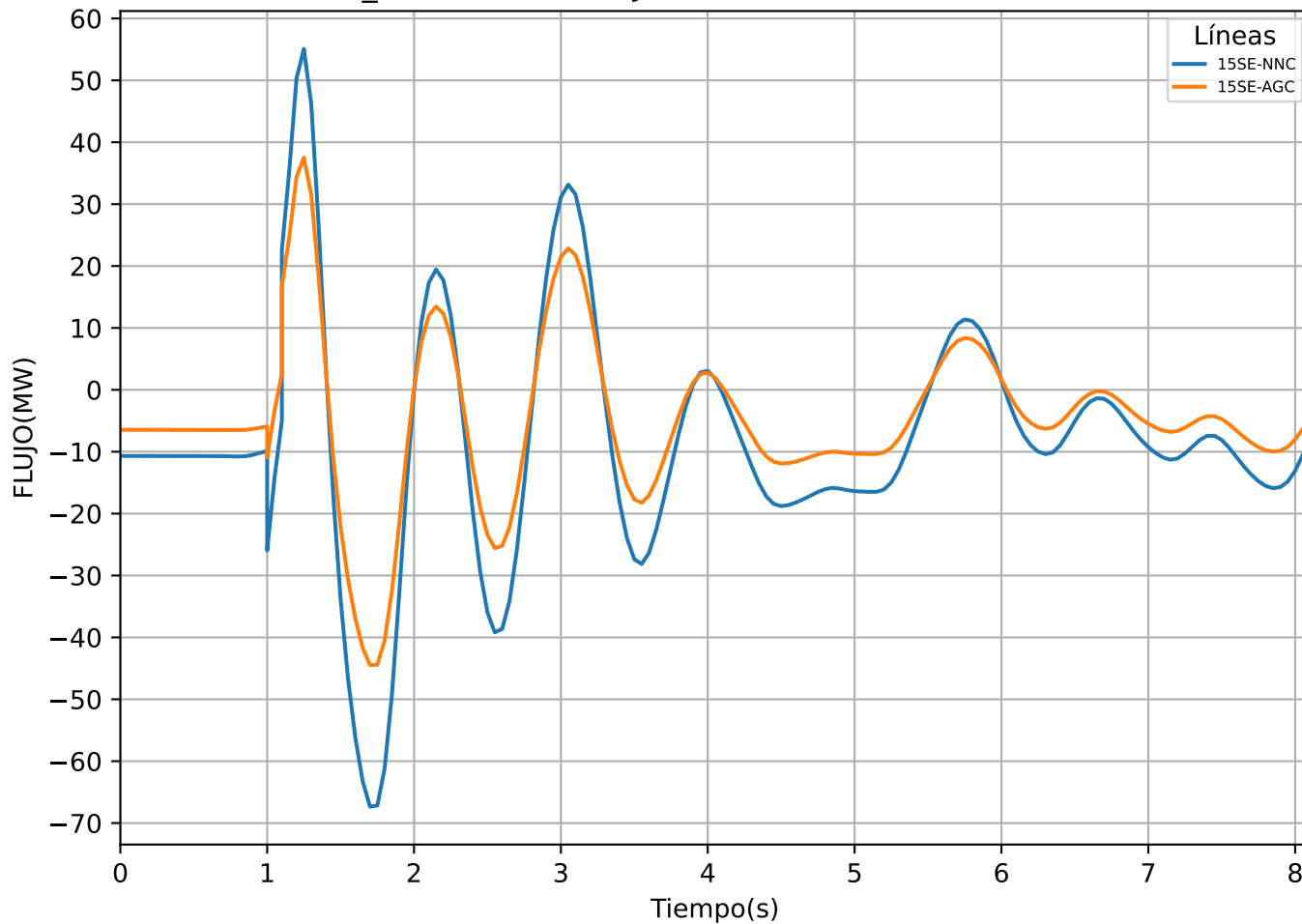
F54_NEJA-APOP: Intercambios ESA



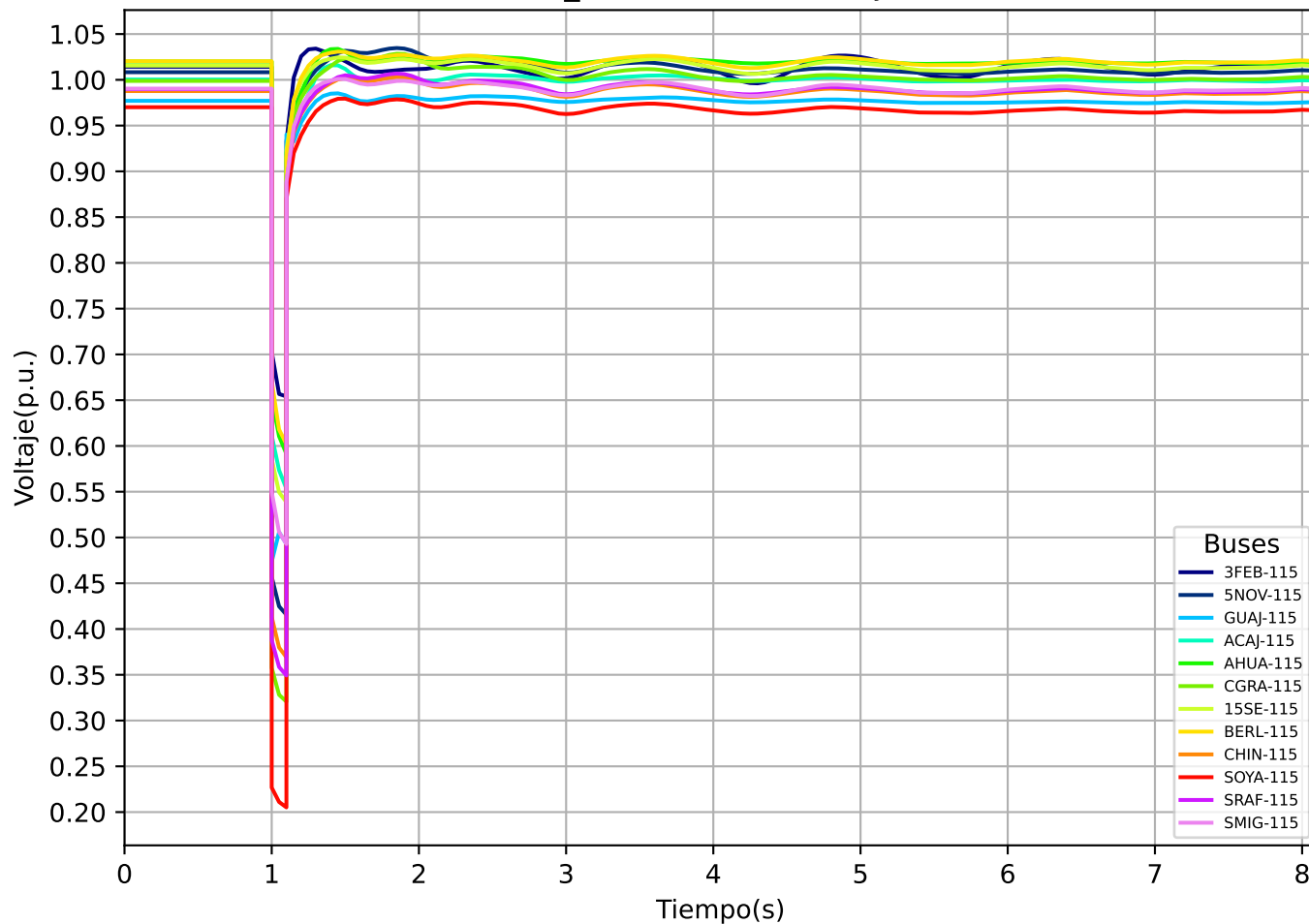
F55_APOP-CGRA: FLUJO INTERCONEXIONES ESA-GUA



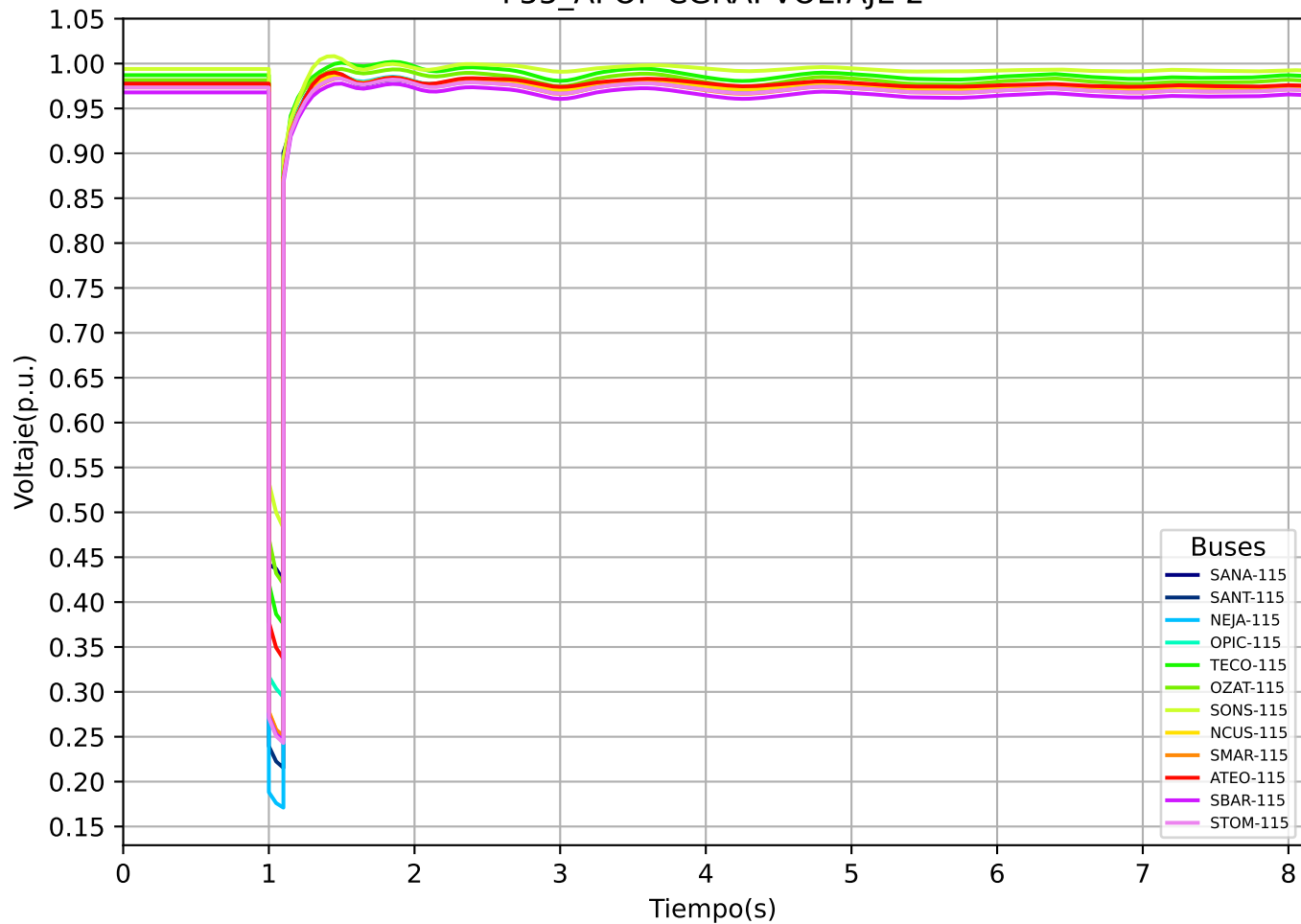
F55_APOP-CGRA: FLUJO INTERCONEXIONES ESA-HON



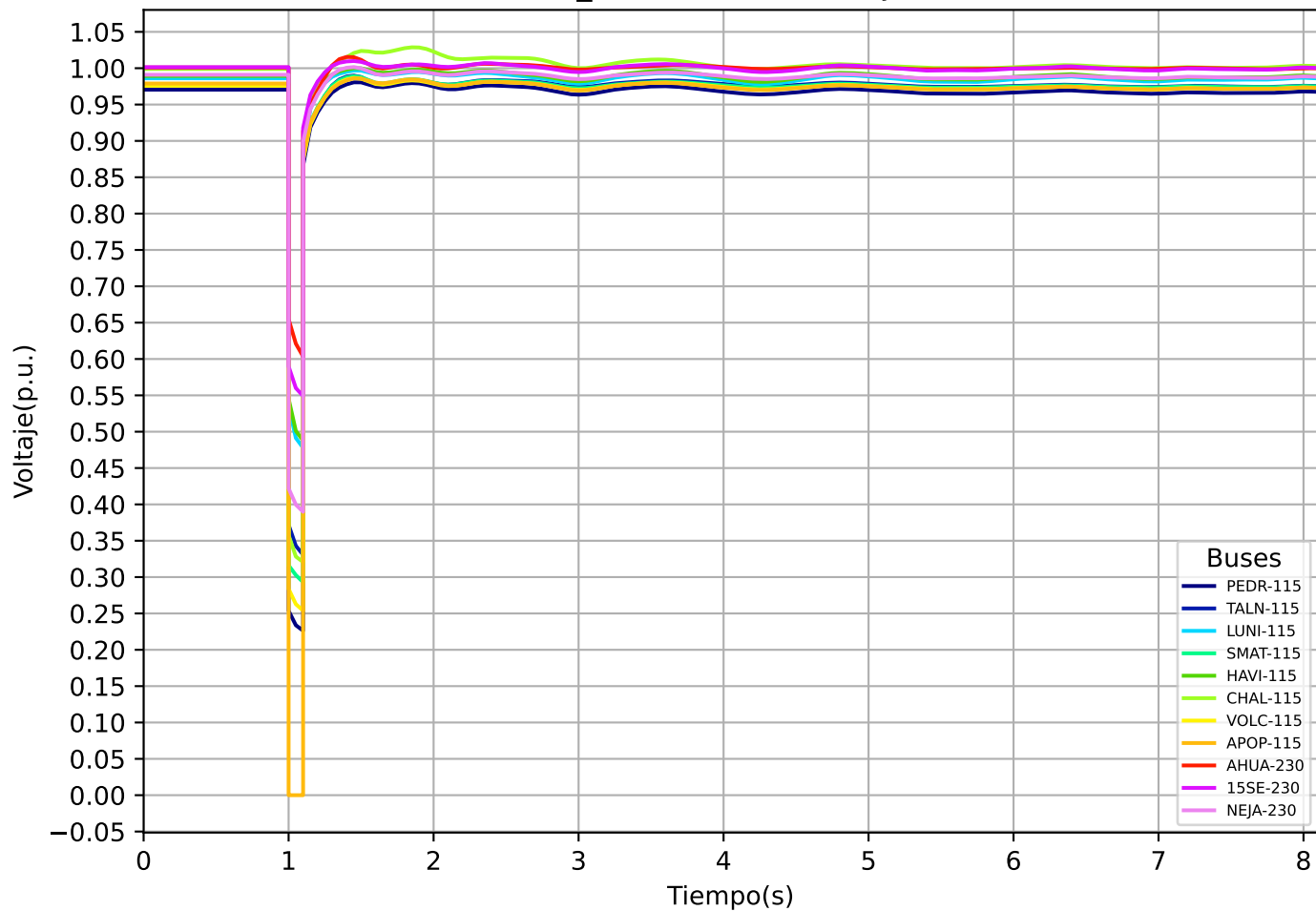
F55_APOP-CGRA: VOLTAJE 1



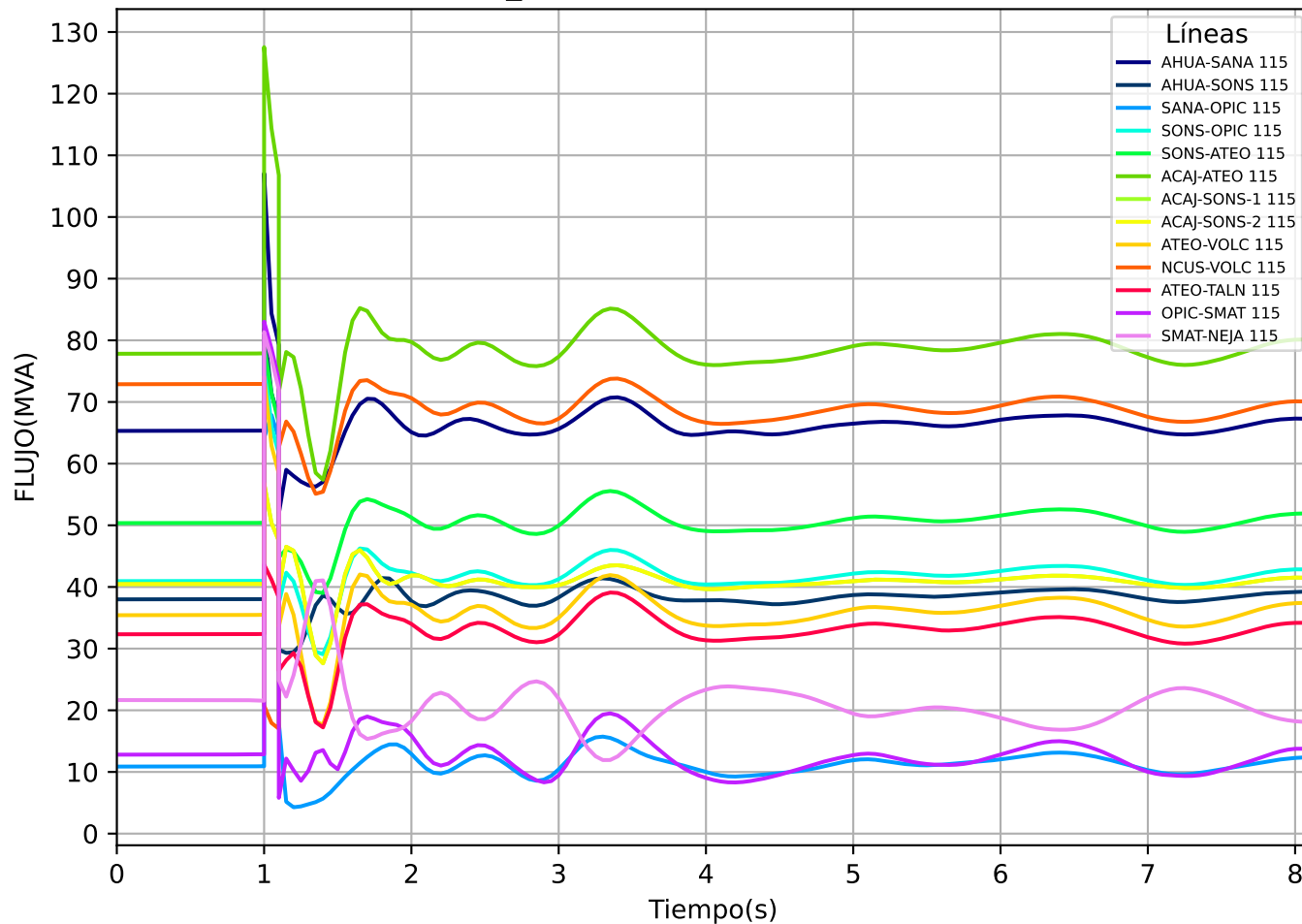
F55_APOP-CGRA: VOLTAJE 2



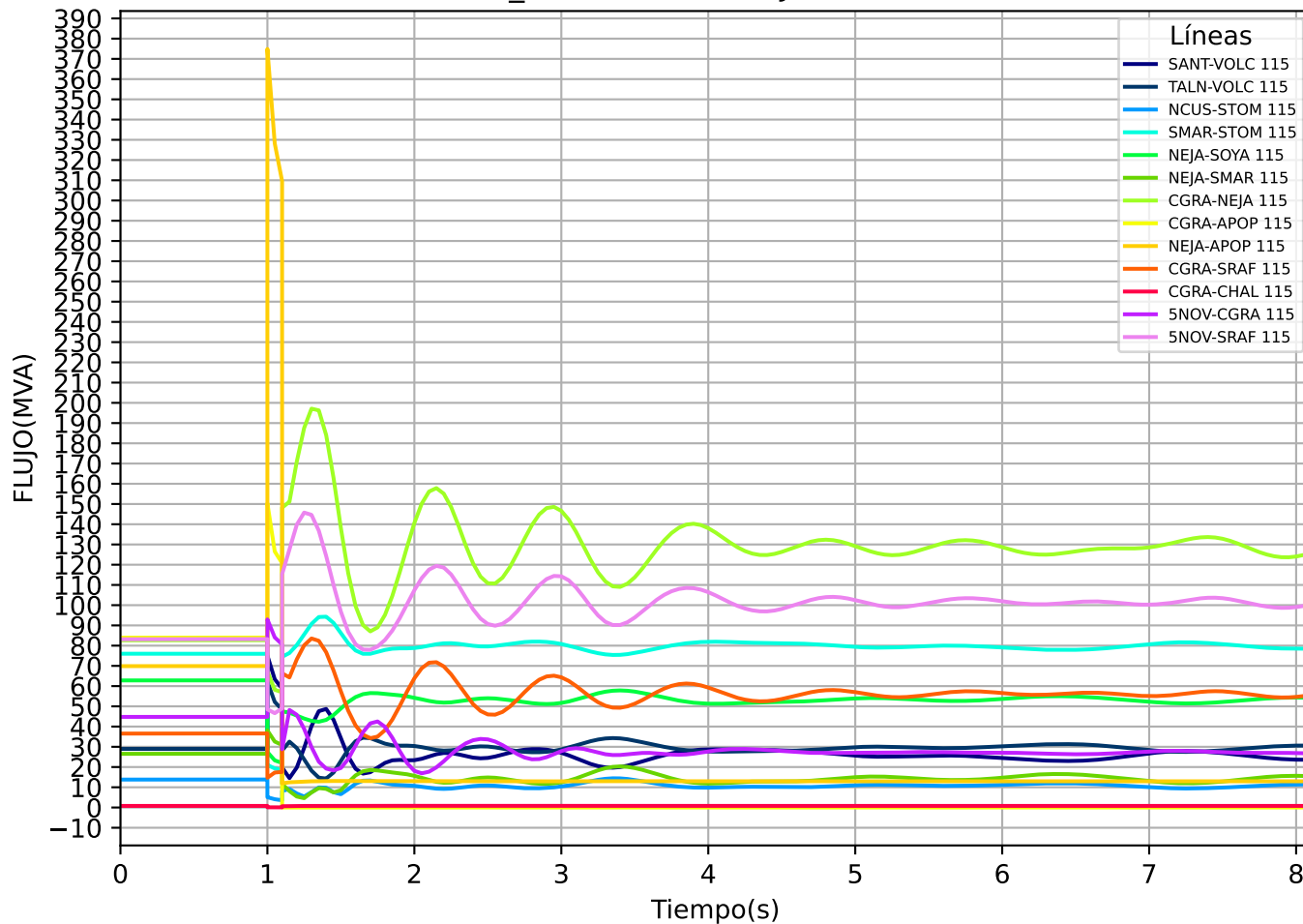
F55_APOP-CGRA: VOLTAJE 3



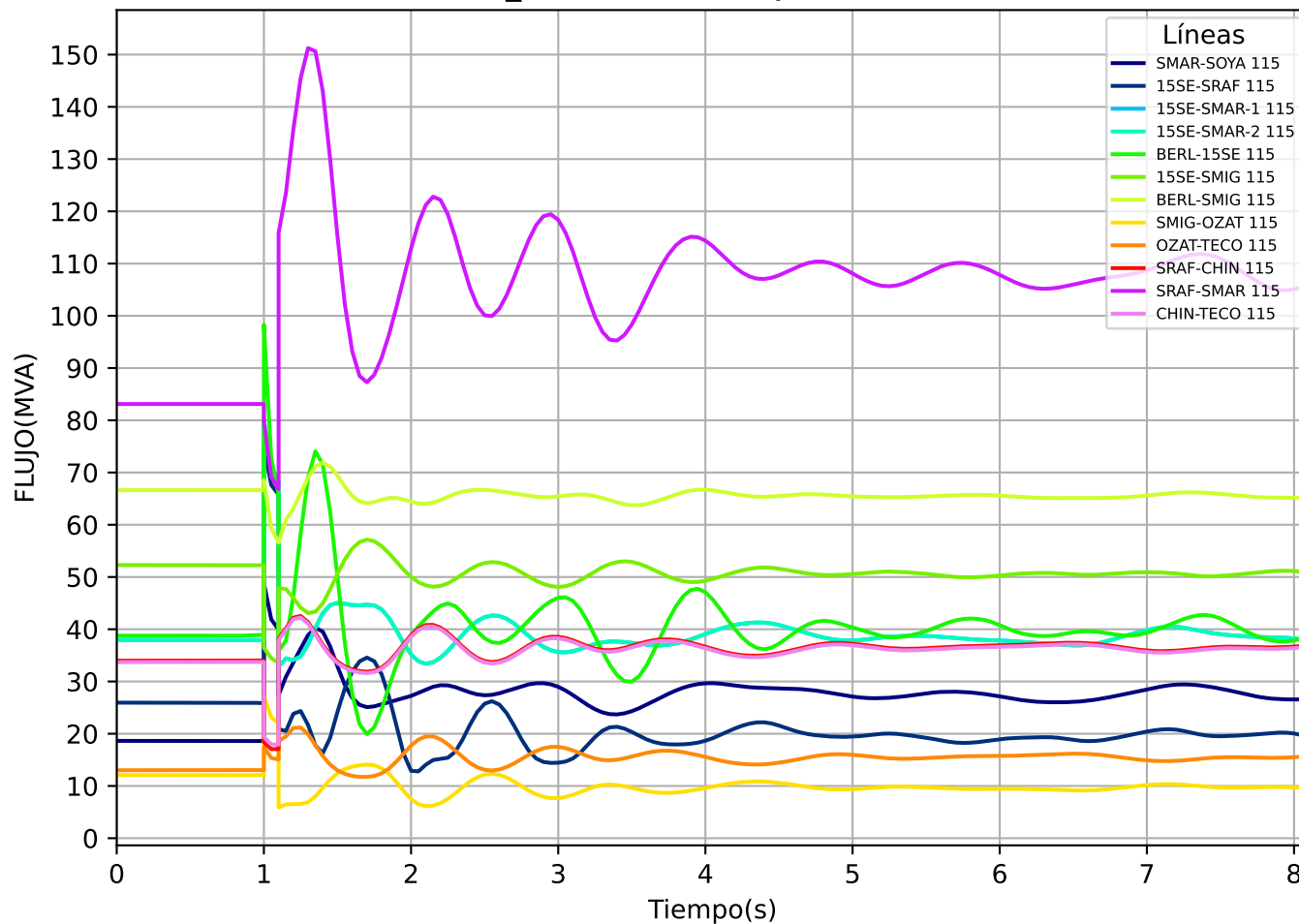
F55_APOP-CGRA: FLUJO L-115kV 1



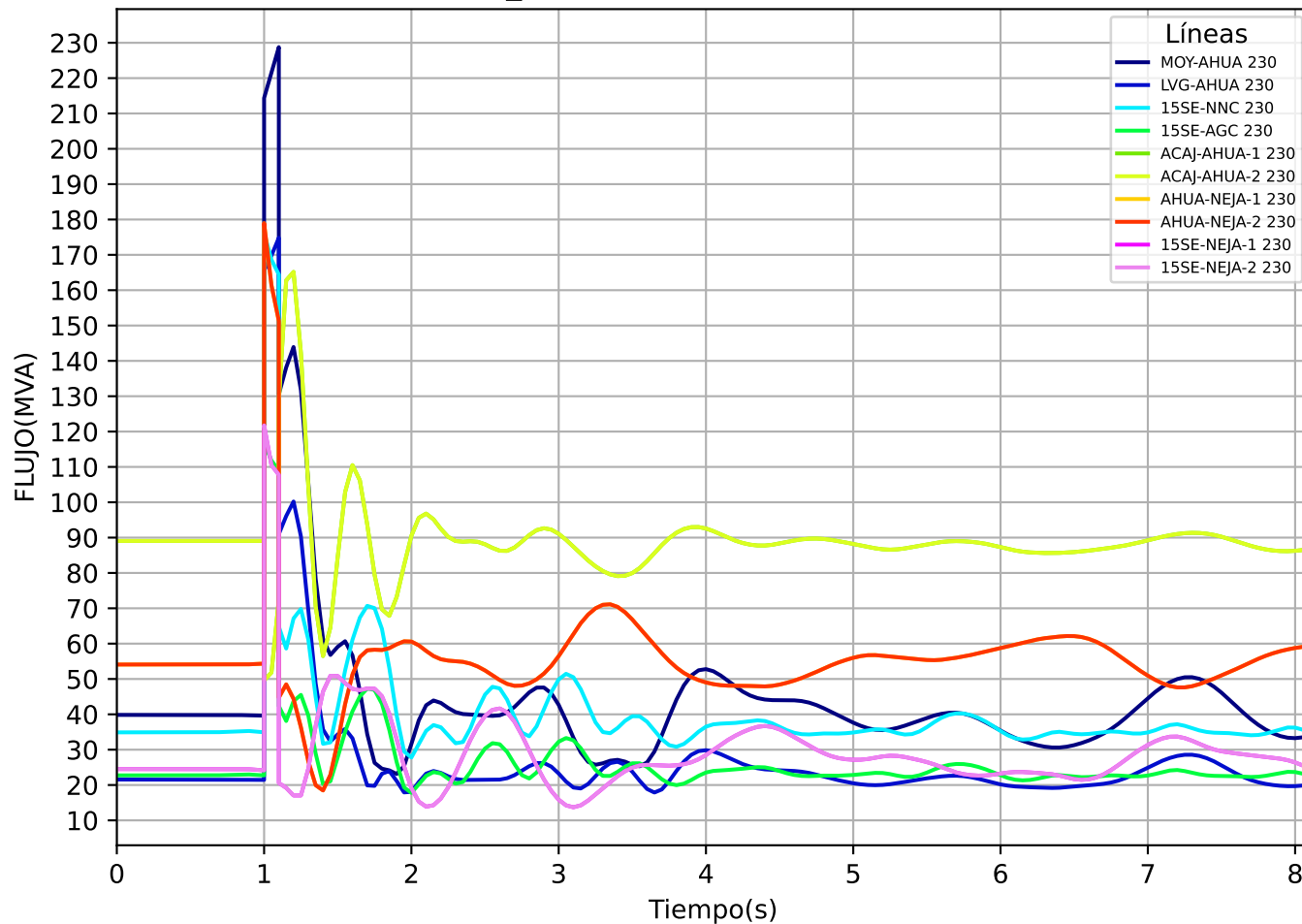
F55_APOP-CGRA: FLUJO L-115kV 2



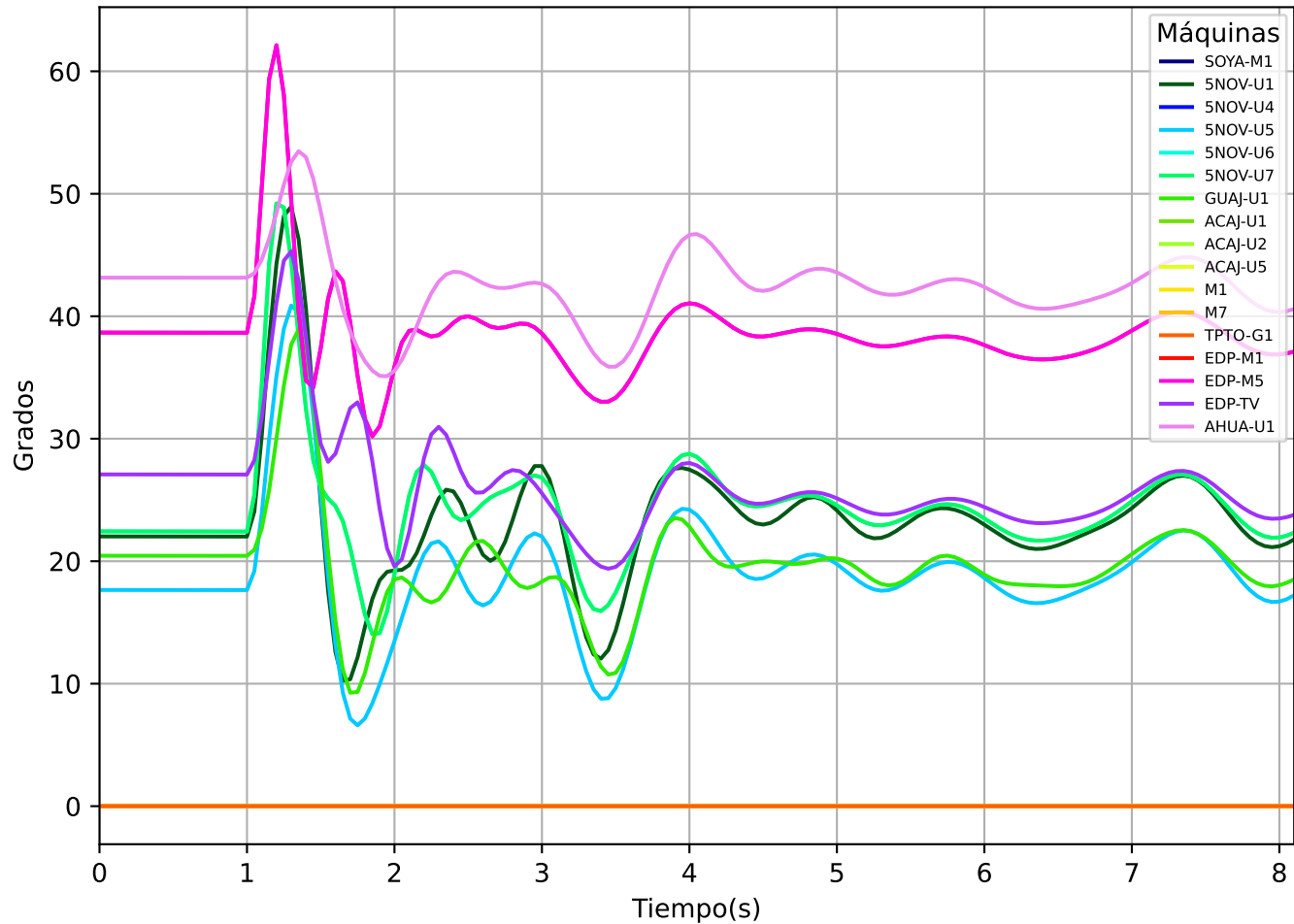
F55_APOP-CGRA: FLUJO L-115kV 3



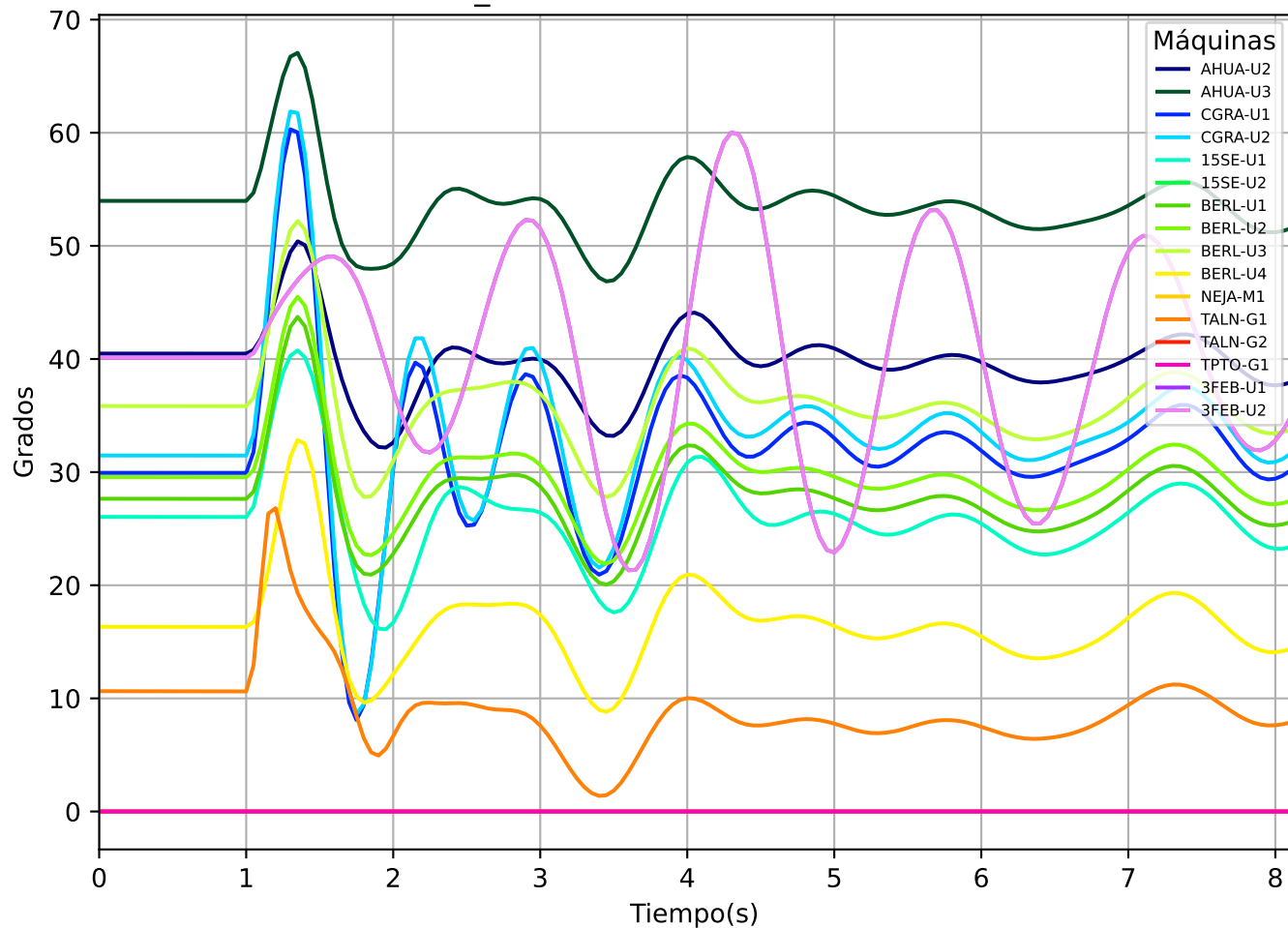
F55_APOP-CGRA: FLUJO L-230kV 4



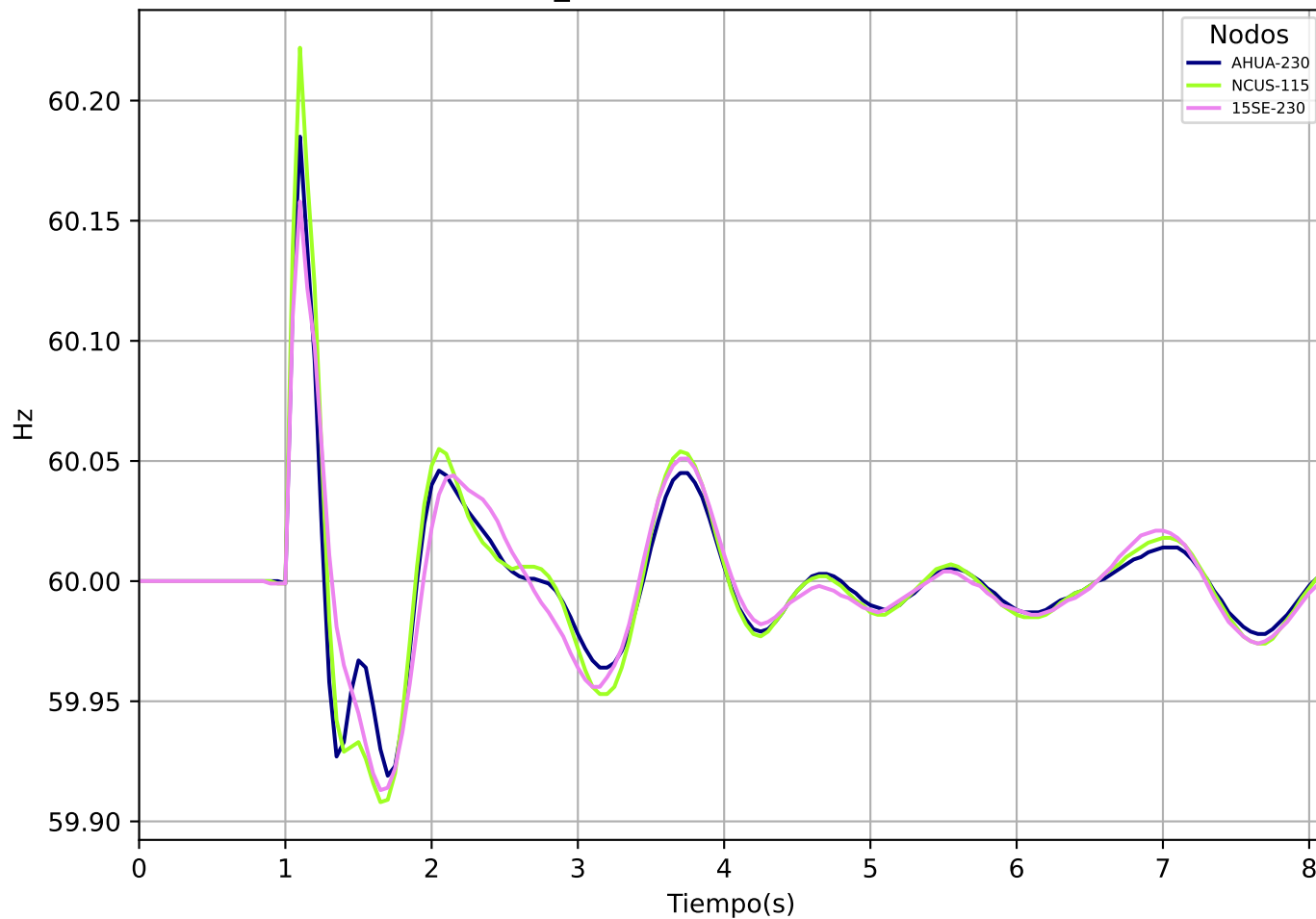
F55_APOP-CGRA: ANGULO ROTOR 1



F55_APOP-CGRA: ANGULO ROTOR 2



F55_APOP-CGRA: FRECUENCIA



F55_APOP-CGRA: Intercambios ESA

