TH/P4-10: Global Gyrokinetic Simulation of Energetic Particle-Driven Instabilities in 3D Systems - D. A. Spong, I. Holod, Y. Todo, M. Osakabe
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- GTC global gyrokinetic PIC model adapted to 3D systems
- Applications to energetic particle instabilities and core transport
- LHD: n = 1 and n = 2; W7-X: n = 6 TAE instabilities analyzed

Phase space resonances

Stability vs. fast Ion energy

LHD n = 1

W7-X n = 6

LHD n = 2