TH/P3-29. Tokamak Turbulence Simulations using BOUT++ in Core Region by S. S. Kim et al.

- A global gyrofluid code for ITG developed using BOUT++ framework
  - Landau damping and toroidal drift resonance operators implemented
  - Linear benchmark exercises done
  - Rosenbluth-Hinton residual zonal flows & neoclassical poloidal flows included
  - Nonlinear simulations are underway focusing on the role of ZFs