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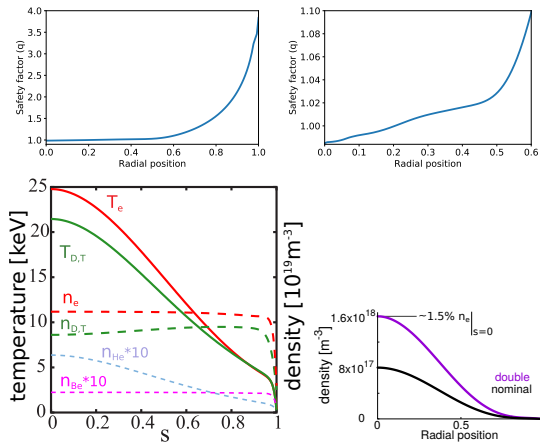
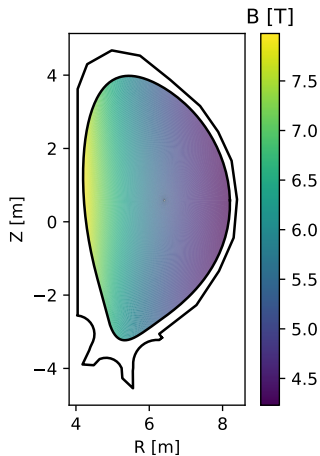
# Global gyrokinetic modelling of Alfvén Eigenmodes in ITER with ORB5

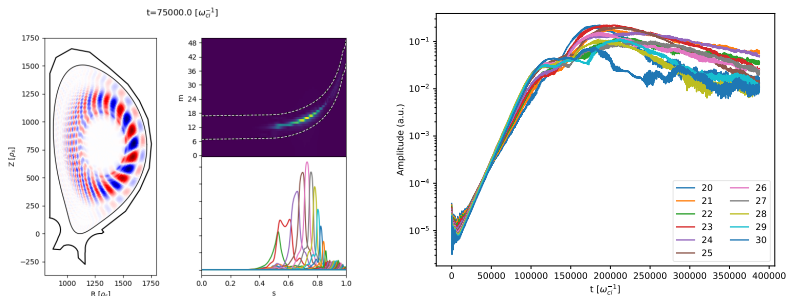
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- ▶ “low”-n mode structures (left,  $n=12$ ) very global
- ▶ already with 2x alpha density: multiple modes (here,  $n=20..30$ ) enhance amplitudes  $\rightarrow$  significant radial alpha transport
- ▶ Ongoing challenge: everything together, zonal physics
- ▶ Open questions: EP distribution function (recently added)
- ▶ Also under investigation,  $\frac{1}{2}$ -field PFPO ITER scenario
  - ▶ IO needs to know whether PFPO needs AE mitigation