**Summary of Topics**
- [81] A. Leonard; Core constraints on divertor desing
- [15] S. Mordijck; Pedestal density transport
- [47] A. Jaervinen; Core-edge integration of high performance plasmas
- [43] S. Henderson; Nitrogen concentration required for divertor detachment
- [66] C.S. Chang, [16] X. Xu; Simulation and prediction of heat flux width
- [64] Poster, F Hitzler; Seeding optimization with SOLPS

**Primary constraints**
- Heat flux width
- Midplane density
- SOL impurity density
- X-point sensitivity
- Geometry
- Others?

# Heat flux width

- **Turbulence broadening**
  - How do we validate turbulence model predictions?
  - What are implications of wider heat flux channel? Scenarios?
- **SOL MHD limit**
  - How does broadening due to MHD limits affect pedestal and confinement?
  - Under what conditions is this important?
  - Does this limit upstream $q_{||}$ and divertor density that can be achieved during detachment in a DTT?

# Pedestal density transport

- What are the critical resources needed to address this issue?
- Call for neutral diagnostics and interpretive modeling to determine sources
- What is the status and prospects for pedestal transport simulation?
- How can our community push this forward?

**Impurity density**

- Pedestal density transport model is needed
- Need pedestal impurity pinch simulations for low Z seeded impurities
- Impurity compression (SOL to Div.) model validation is needed

**X-point/pedestal sensitivity to divertor detachment**

- Need more characterization and modeling of how detachment migrates and engulfs X-point
- How can we engage pedestal researchers to get involved?

**Other issues to note?**