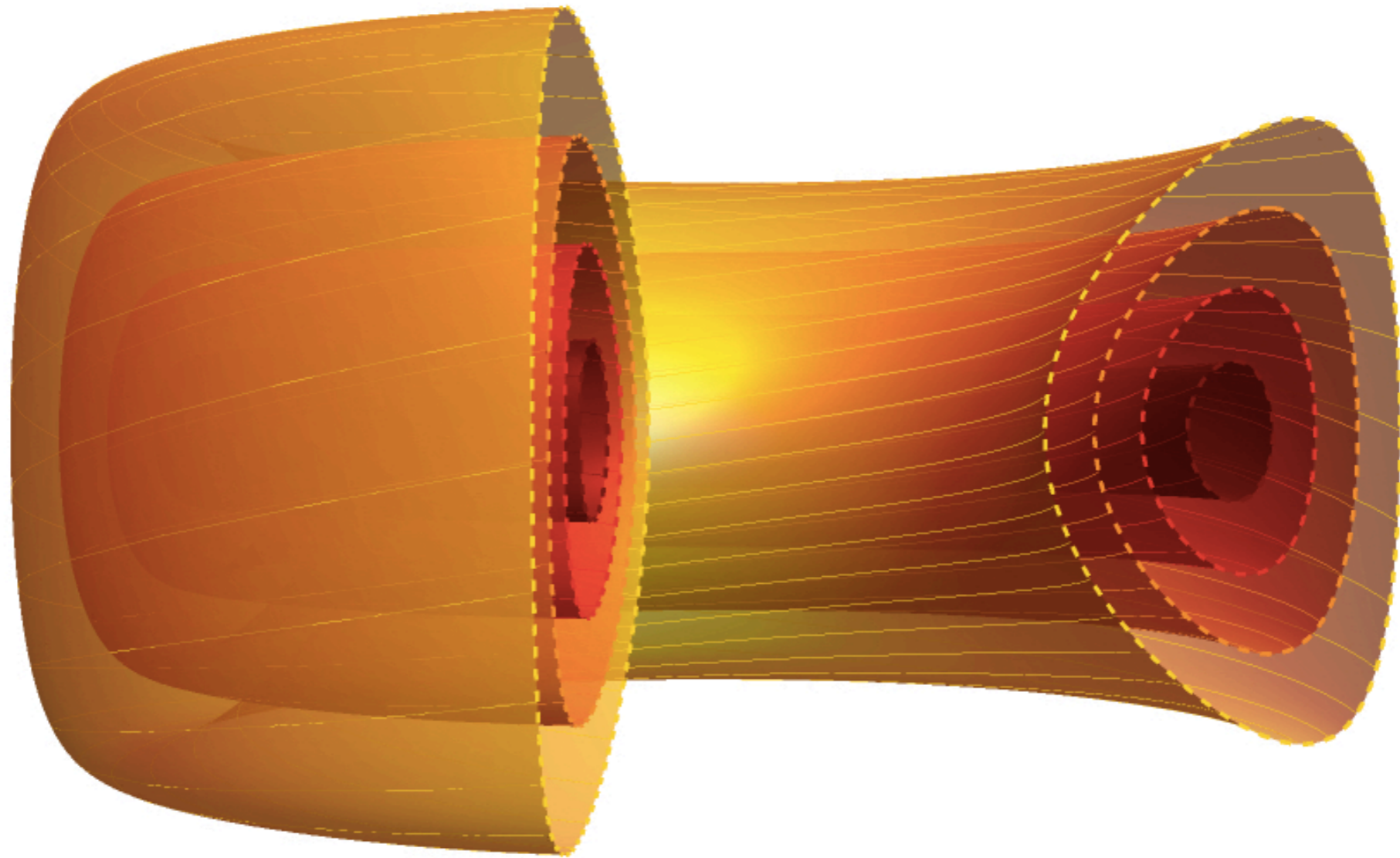


TSVV 2: Negative triangularity

August meeting



Justin Ball
23 August 2022

Agenda

- **General updates**
- Roundtable discussion with team members
- Comments, questions?

Marconi reminder

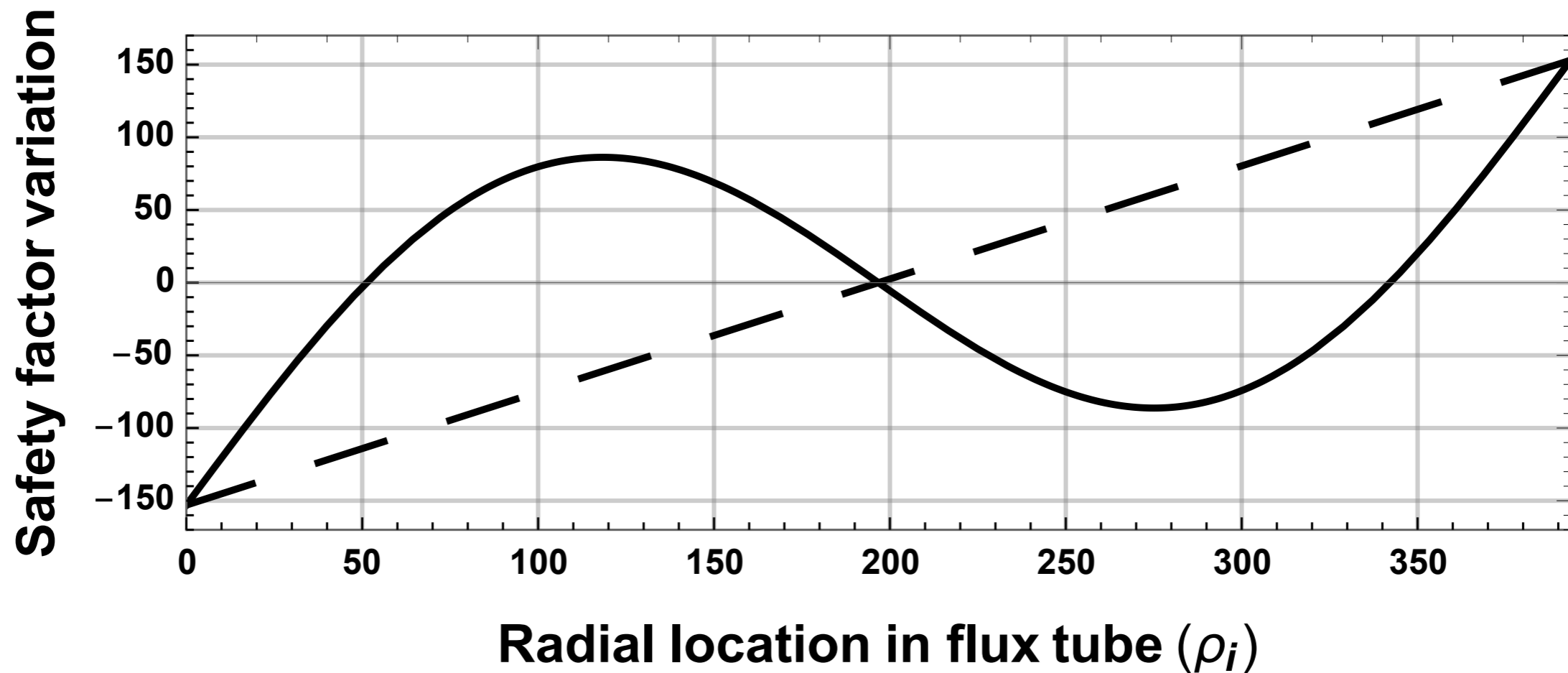
- 48% through the allocation period (March 2022-Feb 2023)
- 43% of the following conventional A3 allocation has been used:
 - GENE: 450k node-hours = 110k (Alberto) + 160k (Justin) + 180k (MJ)
 - GBS: 175k node-hours
 - HYMAGYC: 50k node-hours
- 37% of the following GPU C1 allocation has been used:
 - ORB5: 75k node-hours

Agenda

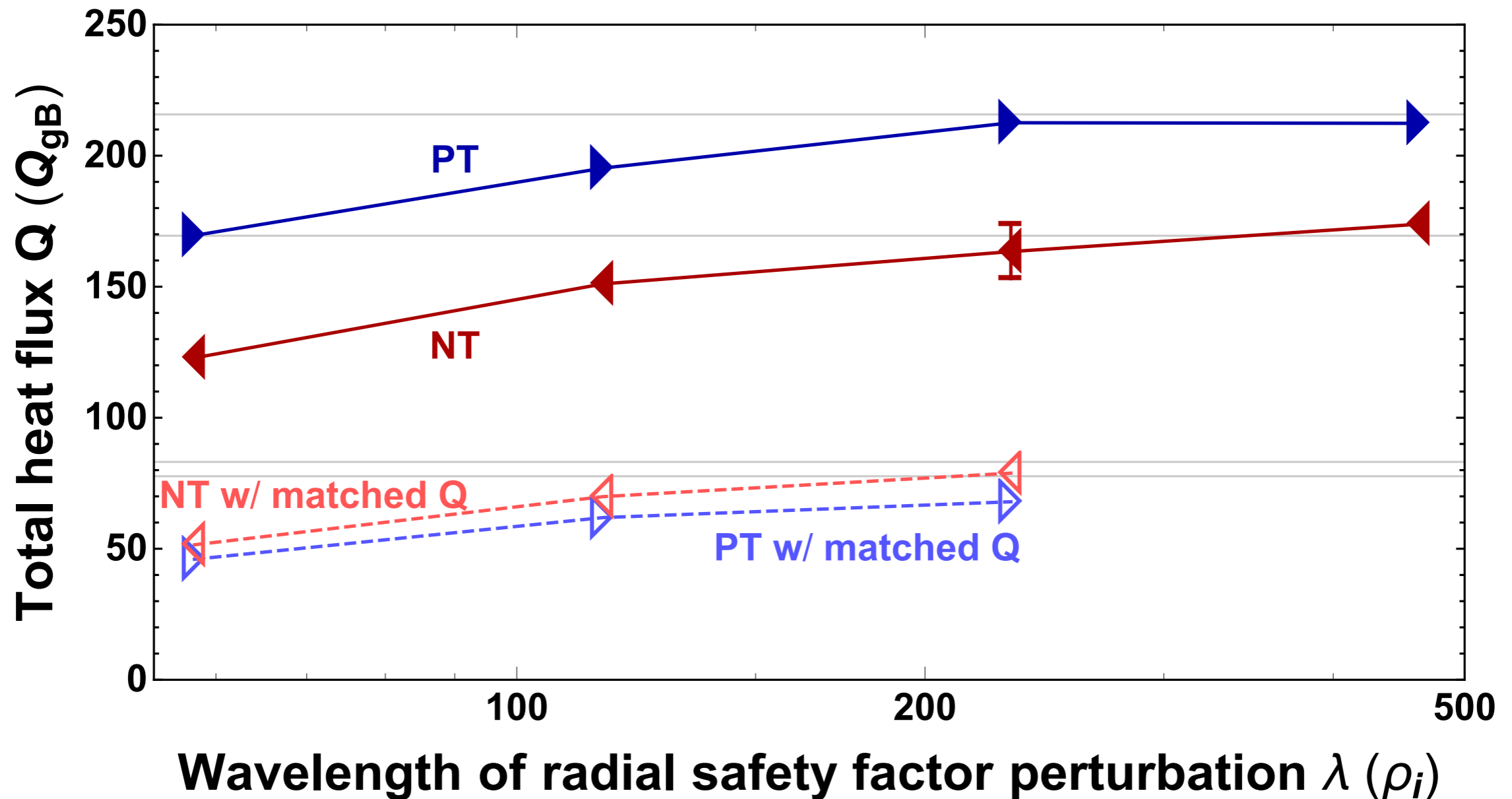
- General updates
- **Roundtable discussion with team members**
- Comments, questions?

Importance of global effects in NT

- Implemented arbitrary periodic safety factor profile in local GENE
- Use NT as an example test case

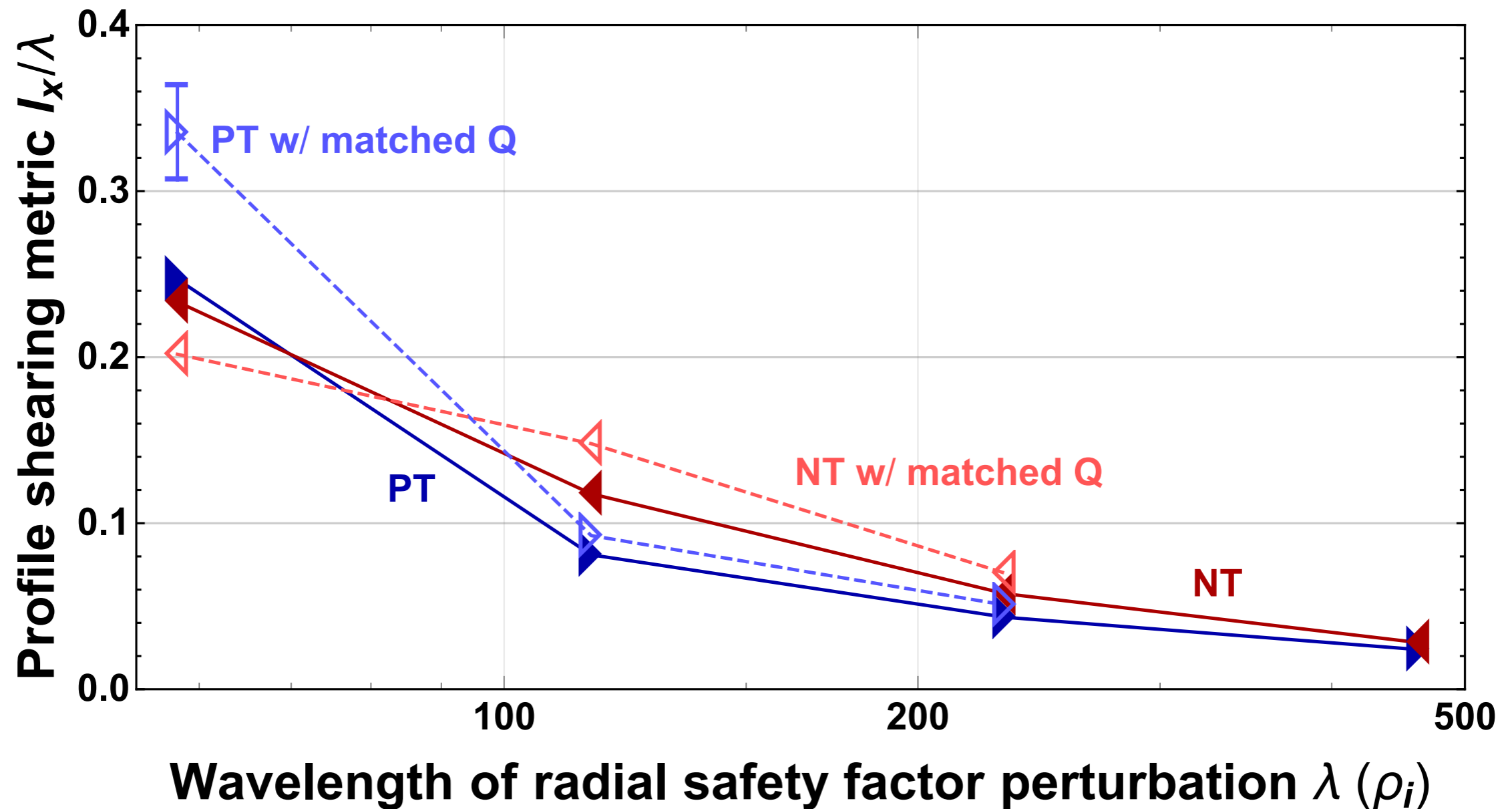


- Nonlinear study shows little difference between PT and NT



Global effects in nonlinear simulations

- Plasma shape and turbulent drive don't affect nonlinear eddy size l_x much



Agenda

- EUROfusion updates
- Roundtable discussion with team members
- **Comments, questions?**