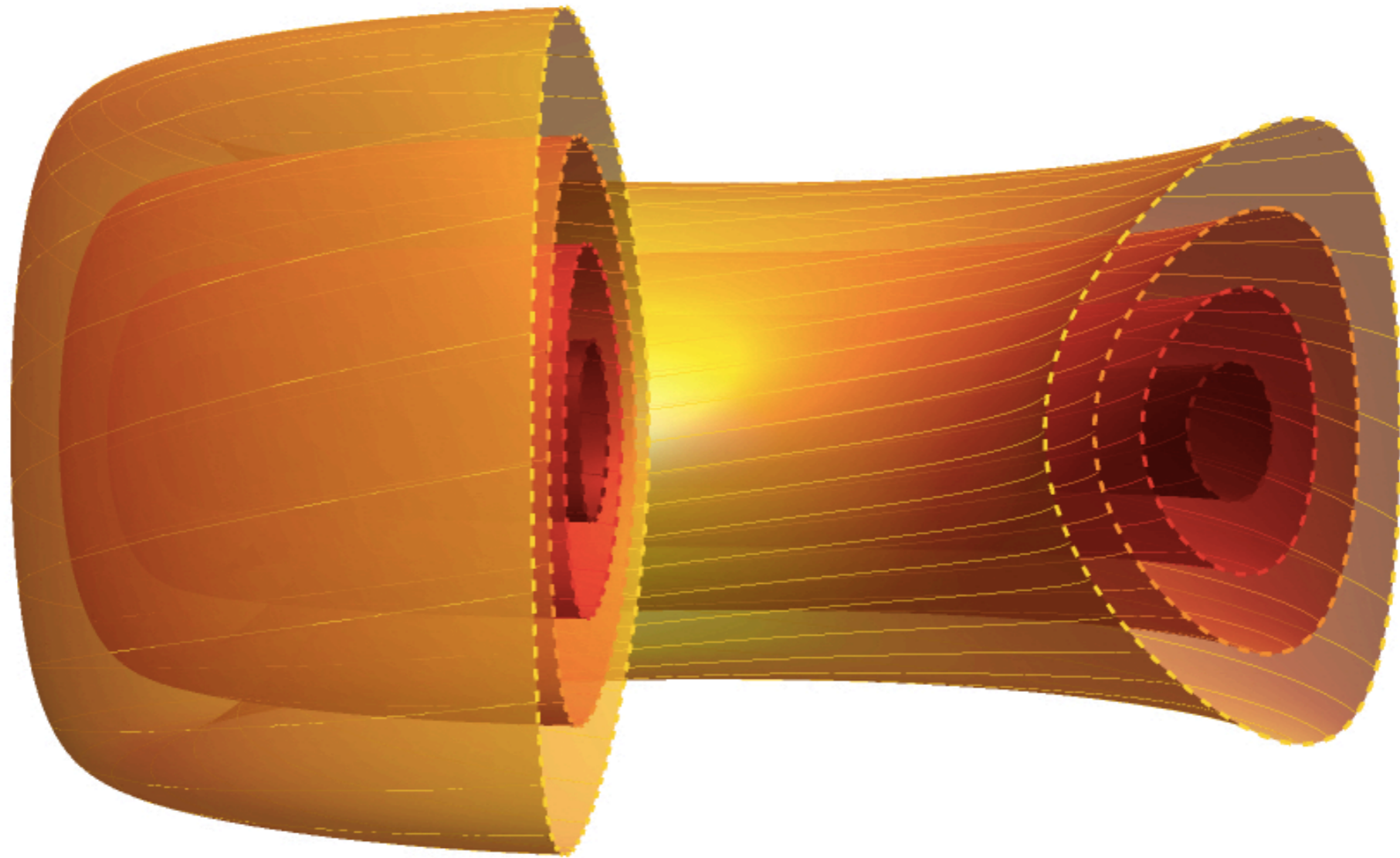# TSVV 2: Negative triangularity January meeting

Justin Ball
04 February 2025

Agenda

- **General updates**

- GENE-X presentation by Philipp Ulbl

- Roundtable discussion with team members

- Comments, questions?

Marconi -> Leonardo updates

1. Marconi home directory is now available, data in $SCRATCH and $WORK is almost certainly lost forever

2. Unused Marconi resources are now available on the CPU partition of Leonardo (note Leonardo CPU-hour= Marconi CPU-hour / 2.5)

   • Connect to login.leonardo.cineca.it instead of login.marconi.cineca.it

   • Submit to dcgp_fua_prod partition using account FUA38_TSVV2_0

   • Can check usage with: saldo --dcgp -b

Marconi -> Leonardo updates

1. 65% through the allocation period (1 March 2024-**31 July 2025**)

    - 59% of the following **Marconi** CPU allocation has been used:

        - GENE: 400k node-hours = 75k (Alberto)+110k (Alessandro)+215k (MJ)

        - GBS: 100k node-hours

        - HYMAGYC: 50k node-hours

        - SOLEDGE3X: 250k node-hours

2. 92% through the allocation period (1 March 2024-28 February 2025)

    - 45% of the following GPU Leonardo allocation has been used:

        - ORB5: 160k node-hours

General updates

1. EUROfusion is applying to extend the TSVV program through 2027, so we have been asked to submit a couple broad milestones, e.g.

   - Use gyrokinetics to analyze the NT pedestal to better understand the L-H transition for NT and PT

   - SOL?

   - Fast particles?

   - Reduced modeling?

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