



TSVV1 “L-/H-transition and pedestal physics” – Regular Meeting

Virtual Meeting
July 18, 2022



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- E-TASC/EUROfusion updates:
 - Feedback from E-TASC thrust 1 meeting
- Marconi allocation
- Round-table with your feedback, e.g., regarding progress, problems, necessary infrastructure etc



- **E-TASC thrust 1 meeting feedback**, <https://indico.euro-fusion.org/event/2137/>
 - N. Vianello presented an overview of the **new WPTE Research Topics structure** for the 2022-2023 D campaigns. Main modelling requests/needs provided for a selected series of them (namely RT22-01, RT22-02, RT22-05 and RT22-07).
 - **Seeded scenario RT22-01** (see our May meeting and appendix)
 - Investigate the possibility to use **reduced models** *[It turned out during the meeting that Myriam & MJ already volunteered to work on this scenario]*
 - **Link between the different TSVV1 scenarios?** Possibly, test the reduced model in the same scenario explored with more detailed simulations.
 - **Interaction TSVV4 and TSVV1 – usage of TSVV4 codes in the future?**



Marconi usage 6th cycle (Mar 2022 to Feb 2023):

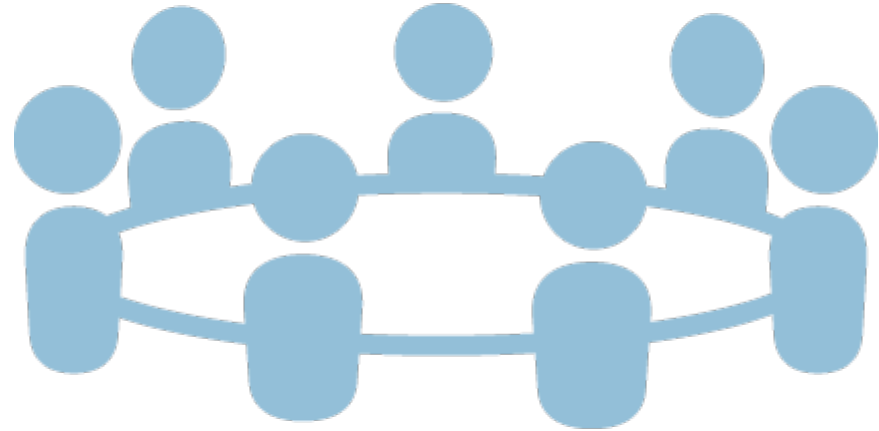
CPU partition A3: ~38.5% (should be ~37.5%)

GPU partition C1: ~17% (should be ~37.5%)

C1 underutilization due to job specifications (memory/size) not being favored by the SLURM configuration.



- **Scientific / organizational updates?**



- **CCFE:** B.F. McMillan, [*B. Chapman*]
- **CEA:** P. Donnel, G. Falchetto, R. Varennes, L. Vermare, X. Garbet
- **DIFFER:** M. Hamed, G. Snoep, [*J. Citrin, M.J. Pueschel*]
- **EPFL-SPC:** G. Di Giannatale, A. Volcokas, K. Lim [*J.R. Ball, S. Brunner, P. Ricci, L. Villard*]
- **MPG:** A. Bergmann, T. Luda di Cortemiglia, L. Leppin, T. Görler [*C. Angioni, N. Bonanomi, F. Jenko*]



- **Tentative period after checking local availability and SB meetings:**
 - **Mon-Wed, Sep 26-28, 2022**
(reduction to 2 days with tighter schedule if desired / necessary, see below)
 - **planned as hybrid meeting at IPP Garching (with recommendation to participate in person)**
 - **Previously overlooked “Oktoberfest” – currently checking availability of accommodation!**

Thank you for your participation!



- **Proposal next meeting:**
Mon, August 8, 2pm CEST
- **Overview over all meetings:**
<https://indico.euro-fusion.org/category/274/>



- **CfP: Integration of a radiative scenario with Ne, N or Ar in an ITER baseline**
 - WPTE RT-01 (C. Giroud) is preparing a research proposal
 - Currently this work is linked to an ITER collaboration on the SOLPS-ITER benchmark and also to Qualiquiz core modelling
 - However, already clear that pedestal physics and its behavior with Ne and N is crucial (also effect of C not yet clear)
 - lots of data for these ITER relevant discharges available + effect of C in JET-ILW
→ currently no GK activities at CCFE or elsewhere
 - Interest in TSVV1?