

TSVV3 - Regular advancement meeting

29/06/2022 – Task 5: neutrals physics *Project news*

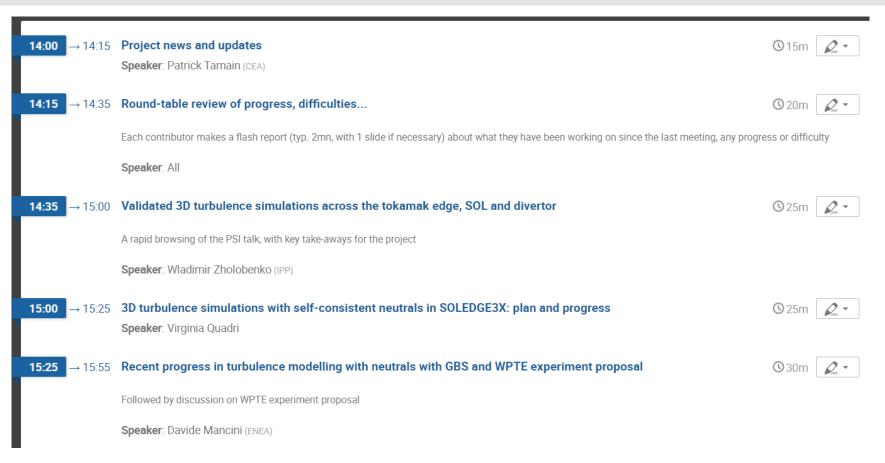
P. Tamain



This work has been carried out within the framework of the EUROfusion Consortium and has received funding from the Euratom research and training programme 2014-2018 and 2019-2020 under grant agreement No 633053. The views and opinions expressed herein do not necessarily reflect those of the European Commission.

Today's meeting agenda





Follow-up from previous meetings



IMASification:

 did not have time to organize promised meeting concerning IMAS IDSs for turbulence codes => will do it soon

- Git repositories on Gateway:
 - EBC, GBS and SOLEDGE3X are there
 - Status for GRILLIX and FELTOR? (reminder: request of SB)

Feedback from thrust 1 meeting



- Reminder: thrust 1 = forum of coordination between WPTE TFL and TSVV projects 1 (pedestal physics), 3 (edge fluid) and 4 (edge gyrokinetics)
- Meeting took place last week

- Main feedbacks concern task 5:
 - TSVV 4 eager to organize common discussion forum on neutrals modelling => exact form tbd with them
 - WPTE extremely supportive of validation initiative with codes including neutrals at higher density regimes (vs TCVX21) => see Davide's presentation

Summer break



Suspension of meetings across summer

Suggestion:

- Hold next meeting on impurities on July 13th
- Resume meeting on August 24th

Latest publications



AUG simulations with GRILLIX including density scan with fluid neutrals (tasks 4 and 5) - PAPER

W Zholobenko et al: 13th June 2022 | DocumentID: 32682

: Filamentary transport in global edge-SOL simulations of ASDEX Upgrade

Journal: Nuclear Materials and Energy, .

Co-authors: J. Pfennig, A. Stegmeir, T. Body, F. Jenko, the ASDEX Upgrade Team

Reduced turbulence model applied to C-mod case (task 3) - ORAL

Wouter Dekeyser et al: 24th November 2021 | DocumentID: 31022

: SOLPS-ITER simulations of the Alcator C-Mod plasma boundary using a self-consistent interchange model for anomalous transport

Conference: 25th International Conference on Plasma Surface Interaction in Controlled Fusion Devices (PSI-25), Jeju, South Korea, 12th June 2022.

Co-authors: R. Coosemans, S. Carli, R.A. Pitts, B. LaBombard, M. Baelmans

Radial electric field in gyro-fluid simulations – POSTER & PAPER

R. Gerru et al: 1st February 2022 | DocumentID: 31476

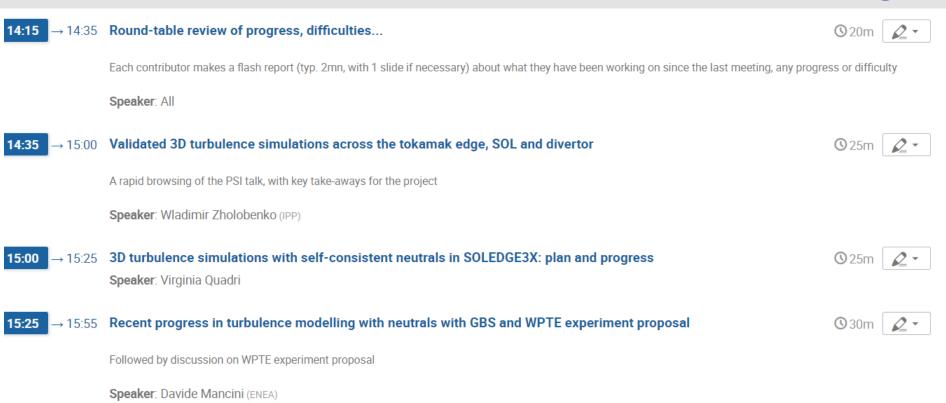
: Investigation of the poloidal asymmetries on the radial electric field

Conference: 48th EPS Conference on Plasma Physics (EPS), Maastricht, Netherlands, 27th June 2022.

Co-authors: M. Wiesenberger, A.H. Nielsen, V. Naulin, J. Juul Rasmusen

Today's meeting agenda





Upload presentations on https://indico.euro-fusion.org/event/2194 or send to me please.