

TSVV4 Annual Meeting 2025

TSVV4 Team

Garching, June 16-18





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This meeting at a glance

Welcome to IPP Garching!

- Wi-Fi: "IPP_Guests" (no password needed)
- Coffee breaks will be served in the L6-"Begegnungszentrum".
 (across the bridge, windowed room on the left)
- All sessions take place here (L5 seminar room)
- Lunch at canteen (+ some options outside of IPP campus)
- Dinner: Tuesday, after we finish, at Biergarten Mühlenpark (optional: BYOF; mandatory: cash-only!)



Setup of TSVV Task 4

Key deliverables

Kinetic codes for the plasma edge - TSVV T1

Deal with open field lines

Limitations of Gyrokinetics

Coupling methods

Our work

GENE-X (IPP)
PICLS (IPP/SPC)
GyselaX (CEA)

BIT1
VOICE
semi-analytical methods

ssV (hybrid)
GempicX
Moment-based edge GK

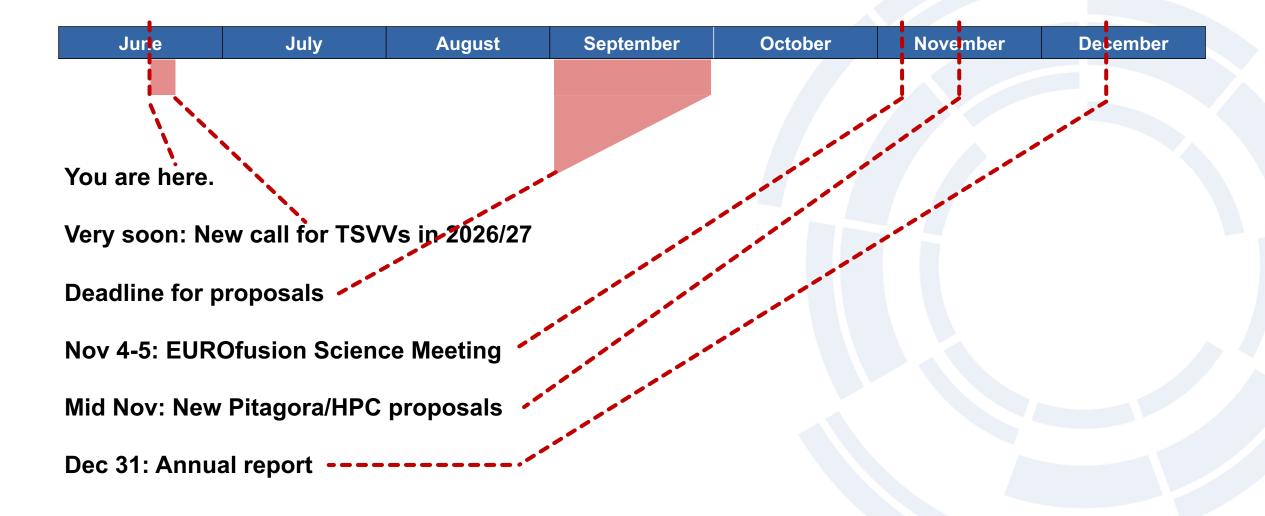
Neutrals
Impurities
Fluid-kinetic coupling







Roadmap until the end of year 5



E-TASC & HPC status

EUROfusion budget has been cut (by ~30%) in favor of PPP.

New **ACH call** is already out (DL this week). **TSVV call** will follow any day.

There will be **fewer TSVV projects**, but the ones that stay will be similarly-sized as before. (critical mass)

It seems there will be a TSVV 4 follow-up project.

HPC status:

Pitagora has come online in late May; accessible to us! Leonardo will be accessible until late July.

Monday, June 23, 10:00: "Intro to Pitagora" webinar by CINECA



This meeting at another glance

About the agenda:

Sessions are a loose-fitting glove → plenty of room for discussions

Goals:

- Physics discussions based on presentations
- Connections between our key deliverables: e.g. getting sheath physics, neutral physics into all our GK codes
- If the new call arrives on time: digest and consider how to carry the project into 2026/2027