

- Uncertainty quantification
- First wall erosion
- Fast particle physics towards DEMO
- High beta physics for VNS specific
- Cross work packages and cross department structures to facilitate coordination and work and access specialists' input to address specific tasks
- Close coordination between simulation and experiment
- Further development of technology simulation in conjunction with technology departments
- Integrated data analysis as well as synthetic diagnostics
- Development of integrated operations also in view of envisaged new ITP $E$ A activities

- Full integration of JT-60SA operation and prep for W
- Require rough timeline for MST devices for 26/27
- Deployment of TE enhancements
- Preparation of DTT (probably FP10 due to delays) and COMPASS operation
- Conclusion path of TE with present RTs – possible restructuring beyond
- Proposed Grant Milestones for TE
- Proposed GD considers EP in the N-NBI proposed GD for JT-60SA
- Unclear disruption priority
- Peeling limited disruptivity as a milestone questionable
- ADCs H-mode and down-selection as aim?
- SA identified 3 GD passing from scientific gap to activity to address this gap

- W-7X: 2 experimental campaigns OP2.4 and OP2.5 in 26/27
- Perspective of W divertor in 2030 plus
- Gyron development for 2MW of power to provide desired ECRF power level for W-7X
- Fast ion physics on W-7X – are there synergies to be used with TE?
- Improve edge and core turbulence – requirement of more modellers for GENE 3D (deployment of codes to increase user community standing issue)
- Enhance understanding of island divertor physics, hoped in better exploration with higher available power (more experiments and modelling)
- Impurity migration
- Divertor surveillance → synergy with PrIO and synthetic diagnostics
- Deploy SSRL for W-7X with level 3 reports for 2026 onward
- W-7X to propose GD by christmas

- PWIE move ahead with similar organizational structure
- Possible transfer of SPs into Research Topics → for introduction of SSRL in PWIE towards ITER/DEMO
- Difficult to represent all of the work this way → some service work done which may not fit this scheme
- Challenge to maintain link between linear and toroidal devices
- Support to ITER on W transport
- Support on W-7X and JT-60SA on transition from C → W beyond power handling to issues related to long pulse operation
- First wall as a focus for various scenarios
- Materials from fission exposure – exploitation of PEX Judith-3/PSI-2 – no need on additional simulation tool in PSD → if any contact WP MAT
- PWIE 2+4 GD proposed for 26/27 (fuel retention, W first wall sources, Be/JET related fuel retention, high fluence for wall conditions, self damaged and neutron damaged material for fuel retention (GD2025))