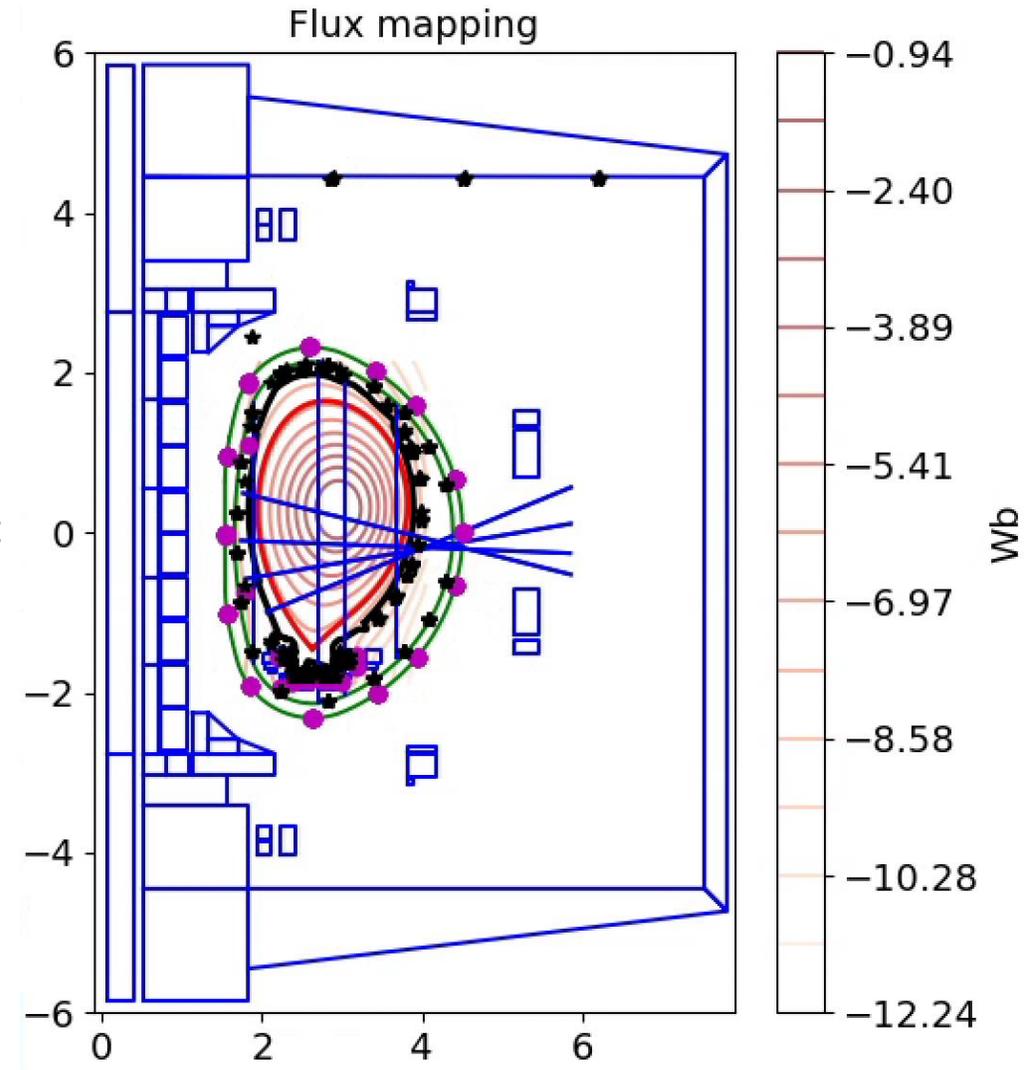**Workshop for Experimental Data Mapping in IMAS**

JET Mapping Status

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JET Mapping Status

- **Device name:** JET

- **Native data format/data access library:**
  MDS+ server, PPF/JPFs, CPF (JSON)

- **Contact persons (name + email) for IMAS / Data mapping:**
  Adam Parker - adam.parker@ukaea.uk

- **How is mapping done (manually, tools/scripts):**
  JSON-based mapping files (TokaMap), dynamically mapped on IMAS request

- **Pulses (or ranges of) being mapped:**
  In theory - any... but would need to test (summary IDS DTE2+DTE3)

- **Applications that are using the mapped IMAS data:**
  EFIT++ soon, DMP Catalogue

- **Data access policy (contact + collaboration + share test data):**
  Available to eurofusion members or those with JDC account,
  signing the JET data access policy

Flux mapping

Mapping Status

	Mapped and validated
	Still to be checked
	Mapping in progress

IDS Name	Status	Notes
magnetics	🟩	geometry copied from ppf json
pf_active	🟩	
pf_passive	🟩	
wall	🟩	
equilibrium	🟩	
dataset_description	🟩	to be removed
interferometer	🟩	
iron_core	🟩	
thomson_scattering	🟩	
summary	🟧	only DTE2 and DTE3 available (+ interp issues)
tf	🟩	minimal fields mapped
core_sources	🟧	TRANSP (available on request)
core_profiles	🟧	TRANSP (available on request)

Data Dictionary v3.42.0

Future Plans

Plans over the coming year

- Performance improvements (targeting 10s per IDS)

- Update to DD v4.X
- validation workflow
- PPF reader

- Dynamic geometry reading (remove static values from mapping files)

- + map more IDSs requested by DMP/TSVVs etc

- Shot dependence + errors
- Finalise auth

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