WIMAS-6 AMNS

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List of WIMAS Tasks

- **Task WIMAS-0:** Coordination of the porting in IMAS of existing workflows
- **Task WIMAS-1:** Equilibrium reconstruction and stability workflow deployment in IMAS
- **Task WIMAS-2:** ETS core transport simulator with improved physics capabilities in IMAS
- **Task WIMAS-3:** Turbulence with synthetic diagnostics workflows in IMAS
- **Task WIMAS-4:** Heating and current modules in IMAS
- ~~**Task WIMAS-5:**~~ Pedestal/SOL code development and core-edge workflow in IMAS
- **Task WIMAS-6:** AMNS data and interfaces on IMAS (atomic / molecular/ nuclear data)
- **Task WIMAS-7:** Visualization tools on IMAS (plugins)
- **Task WIMAS-8:** Synthetic diagnostics on IMAS

WIMAS-6: AMNS data and interfaces on IMAS

	Q1	Q2	Q3	Q4
David Coster	Task Coordination; library maintenance			
Viorica Stancalie	provide datasets (as raw data or in different formats: adf04, for population processing and further emissivity code adf15)			
Erik Andersson Sunden	identification and remediation of deficiencies in the existing nuclear data		provision of anisotropic nuclear cross section data	
David Tskhakaya	Recommendation, provision and importing of new data, and checking of existing cross section data			
Karoly Tokesi	Provide and verify cross-section data on demand			
Martin O'Mullane	Provision of beam-stopping data		Provision of spectral emissivity data	

What are we working on right now?

- https://jira.iter.org/browse/IMAS-3011 (Cross sections needed for NBI simulations of TCV to include charge exchange losses)
  - Know what we need to do
  - MoM needs to find the time to implement
- https://jira.iter.org/browse/IMAS-3023 (Reading AMNS data fails)
  - Code on the shelf too long falls behind!
- https://jira.iter.org/browse/IMAS-3015 (Error in neon ionization data)
  - Problem fixed --- waiting to be closed

More about the AMNS system?

- connect to Gateway
  - module load imasenv
  - amns_doc