

TALYS and TENDL for the future of FENDL

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A short review of the current status of the TENDL nuclear data library will be given, with a few examples of relevance for fusion.

TENDL is the result of so-called horizontal nuclear data evaluation.

The aim is that each biennial releases of the TENDL library lead to closer agreement with differential and integral experimental data.

In principle, each target isotope is treated as equally important in a global approach, although important nuclides with a lot of experimental data obviously require more evaluation effort.

Over the years, the isotopic evaluations of TENDL become more and more competitive with existing evaluations in the various world libraries,

while the latter have not been created by a reproducible approach. For projectiles other than neutrons, ENDL is often a reference library.

Some ideas for the future development of TENDL will be outlined.

Presenter: KONING, Arjan (IAEA)

Session Classification: Information Technology, Tools, Codes