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Objective: To read cross sections from the IAEA 2019 photonuclear data base. Demonstration of the R-package: `clanENDF`

IAEA normally starts with the total photon absorption cross section, i.e. the probability for the photon to be absorbed regardless of what then happens.

Then they normally give the cross section for neutron production.

IAEA data:

<https://www-nds.iaea.org/photonuclear/>

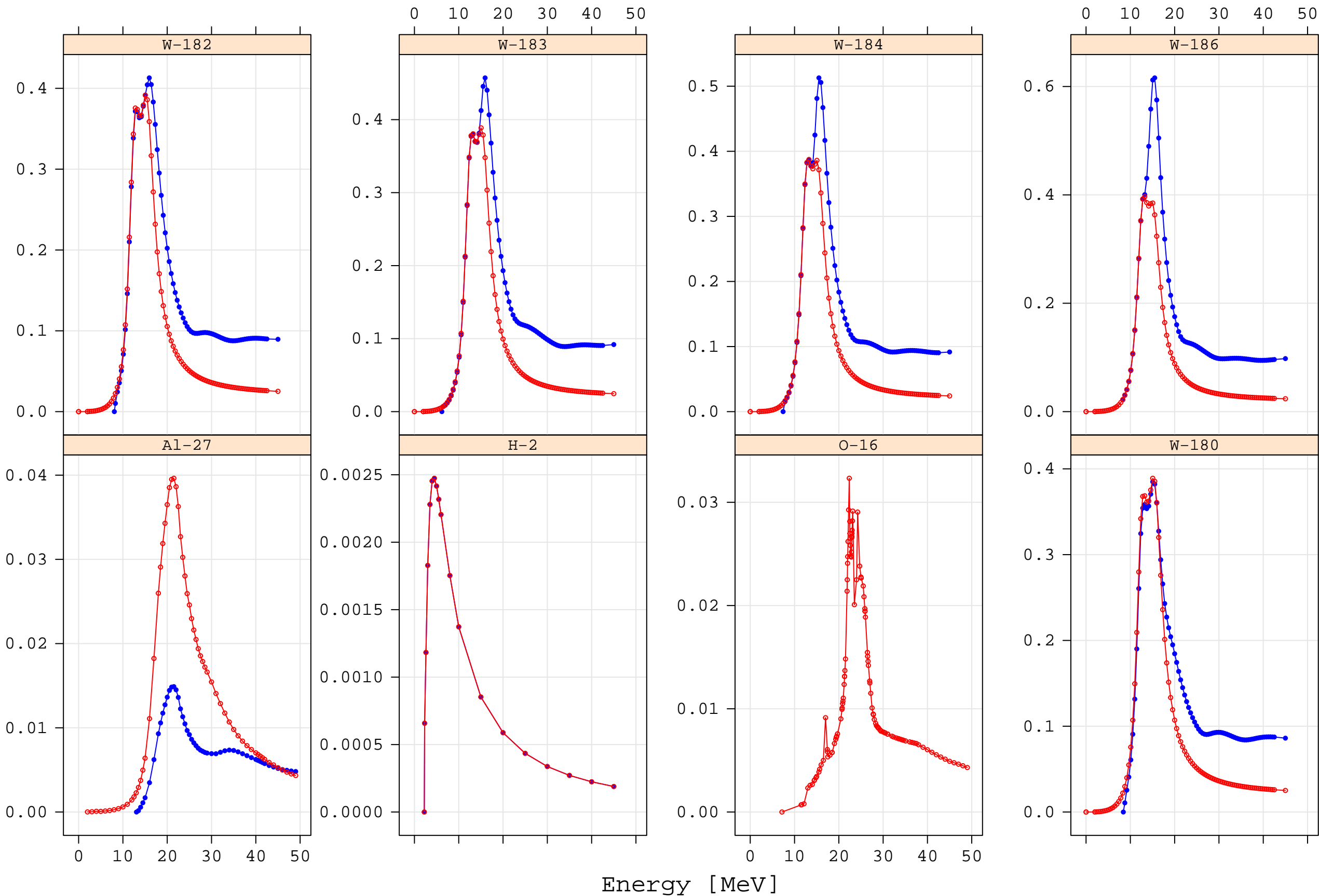
The original ENDF-6 format file can be downloaded here:

<https://www-nds.iaea.org/photonuclear/pdfielist.html>

## Cross section vs. energy stratified by target isotope and nuclear process

neutron production    •    total    •

Crossection [barn]



## Cross section vs. energy stratified by target isotope and nuclear process

neutron production • total ○

Log10( Crosssection [barn])

