

^{56}Fe CIELO evaluation

M. Herman et al.



CIELO in the context of NNDC

- NNDC is going to assign absolute priority to the CIELO related evaluation of ^{56}Fe , which will be the main thrust of the NNDC reaction evaluation activities in CY 2014 and following years.
- If requested, the NNDC is willing to provide GForge support to other CIELO evaluations.
- This support may eventually be extended to the automatic validation service (ADVANCE)

Contributions NNDC expects from CIELO

- analysis of experimental data
 - total
 - inelastic
 - spectra...
 - experimental covariances
- microscopic level densities
- soft-rotor CC potential
- help with fluctuations
- help with elastic angular distributions
- resonance range



Contributions NNDC will commit to CIELO

Organizational support

- Overall coordination
- GForge
 - storing and updating results
 - storing/sharing documentation
 - filing trackers
 - posting announcements
 - Wiki, Blog, Forum
- Video conferencing (?)
- Organize meetings (at least once a year)



Direct contribution

- EXFOR data mining
- Fast neutron modeling
- File assembly (A.Trkov, IAEA)
- Verification & validation (A.Trkov, IAEA)
- Consistent adjustment
- Covariances



Tentative Evaluation Team

- **Leal** (ORNL) - resonances
- **Danon** (RPI), **Plompen** (IRM) - experiment guidance
- **Ahlassid** (Yale) - microscopic level densities
- **Capote** (IAEA) - soft-rotor CC potential
- **N. Iwamoto, O. Iwamoto** (JAEA) - ?
- **Brown, Hoblit, Herman** (BNL) - fast neutron calculations, covariances, consistent adjustment
- **Hi Kim, Young-Sik Cho** (KAERI) - fast neutron calculations
- **Trkov** (IAEA) - file assembly, verification, validation
- **MacFarlane** (LANL), **Sublet** (UKAEA), **Palmiotti** (INL), **Salvatores** (CEA), **Aliberti** (ANL) - validation, adjustment
- **Koning** (NRG), **Goadage** - ?
- **Ruirui Xu** (CNDC) - ?
- **Pronyaev** (IPPE) - legacy consultation

TO BE
COMPLETED!

