



CSEWG Annual Meeting, Nov 6-8, 2007

# Quality Improvement of EXFOR

(Report on WPEC Subgroup 30,  
1<sup>st</sup> Meeting, Sep 2007, Vienna)

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# Quality Improvement of EXFOR

WPEC Subgroup 30 was established in April 2007

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## SG30 Objectives

- Identify and remove (obvious) errors in EXFOR
- Extend EXFOR translation into computational format
- Address completeness of EXFOR
- Perform 1<sup>st</sup> step towards “Quality EXFOR”

## SG30 Participants

- A. Koning, NRG, coordinator; A. Mengoni, IAEA, monitor
- Participants from JEFF, ENDF and JENDL projects, IAEA
- Collaboration with Nuclear Reaction Data Centers network

## SG30 Meeting

- Vienna, October 11, 2007 (adjacent to NRDC Meeting)

# Quality Improvement of EXFOR

## Results of the Vienna meeting

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### Identify and remove (obvious) errors in EXFOR

- The process already started
- IAEA will set-up web page with EXFOR errors and corrections
- NEA will proceed with systematic comparison of EXFOR to evaluated files using JANIS; NNDC will use Sigma to identify problems

### Extend translation of EXFOR to computational format C4

- Currently ~51% can be translated, ~93% can probably be achieved
- IAEA will extend X4toC4 conversion as much as possible
- NEA will extend JANIS capabilities to read EXFOR and produce C4
- Otsuka, JAEA, will propose the best way of representing statistical and systematic uncertainties in translations to C4

### Address EXFOR completeness

- Current estimate: ~85% neutrons, ~25% photons, ?% charged p.
- IAEA will attempt to get better estimate of completeness for all particles