Formats for the Near Future

Format modifications for the resonance regions

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File 32

- **File 32 covariance format for resolved-resonance parameters: LRU=1, LCOMP = 1**
  - **In use for most evaluations today**
  - **Format for LRF=7 (R-Matrix Limited) has not been written for ENDF-102, has not been approved by CSEWG**
  - **Available in SAMMY, in process of implementation into AMPX**
  - **Will be formally presented at 2006 CSEWG meeting**

Other covariance formats

- **Compact covariance format**
  - **Uncertainties + 2-digit correlation matrix**
  - **Currently available for File 32, LCOMP=2, LRU=1 (resolved-resonance parameters)**
  - **Would be a natural choice for any other large data set**
    - **E.g., File 33 covariance format for point-wise cross sections**
    - **Probably there are others**
  - **(No current plans to submit such a format)**

Charged particles in resonance region

- **Exit channels**
  - **Implicit in the format for LRF=7 (R-Matrix Limited)**
  - **Has this been implemented in processor codes? It will be needed soon**
    - **E.g., ^{35}Cl has proton channel**

Charged particles, cont.

- **Charged-particle incident channels**
  - **Implicit in the LRF=7 (R-Matrix Limited) format**
  - **Not *needed* for neutron cross sections, but not excluded by the format**

Unresolved-Resonance Region

- **Current format is not readily compatible with current analysis programs**
- **New format is needed**
  - **Arnaud Courcelle at Cadarache is working on a proposal**
  - **To be presented at CSEWG 2006?**