WPEC/SG-39

"Methods and approaches to provide feedback from nuclear and covariance data adjustment for improvement of nuclear data files"

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- **Summary Record (May 2014)**

  https://www.oecd-nea.org/science/wpec/sg39/Meeting3_May2014/Summary.pdf

- **List of Actions**

A1. E. Ivanov et al.

Analysis and report on FLATTOP-Pu, FLATTOP-25, ZPR-9/34, and ZPR-6/10 MC sensitivities

A2. M. Salvatores and PSI

PROTEUS measurements and availability of models for sensitivity and analysis.

A3. Integral experiments availability/modelling/analysis (Letter to NSC to be prepared):

- SINBAD (neutron propagation): ASPIS, JANUS, IPPE spheres, NESDP, FNG, etc. (I. Kodeli)
- STEK (variable spectrum hardness): contact Petten (E. Dupont) - > **Dirceu F. da Cruz**
- SEG (tailored adjoint flux shapes) (M. Ishikawa, G. Rimpault to be contacted, M. Salvatores, E. Dupont)
- IPPE transmission (Fe, 238U) (E. Dupont, M. Salvatores to check)
- RPI semi-integral (Fe, 238U) (E. Dupont, G. Palmiotti to check)

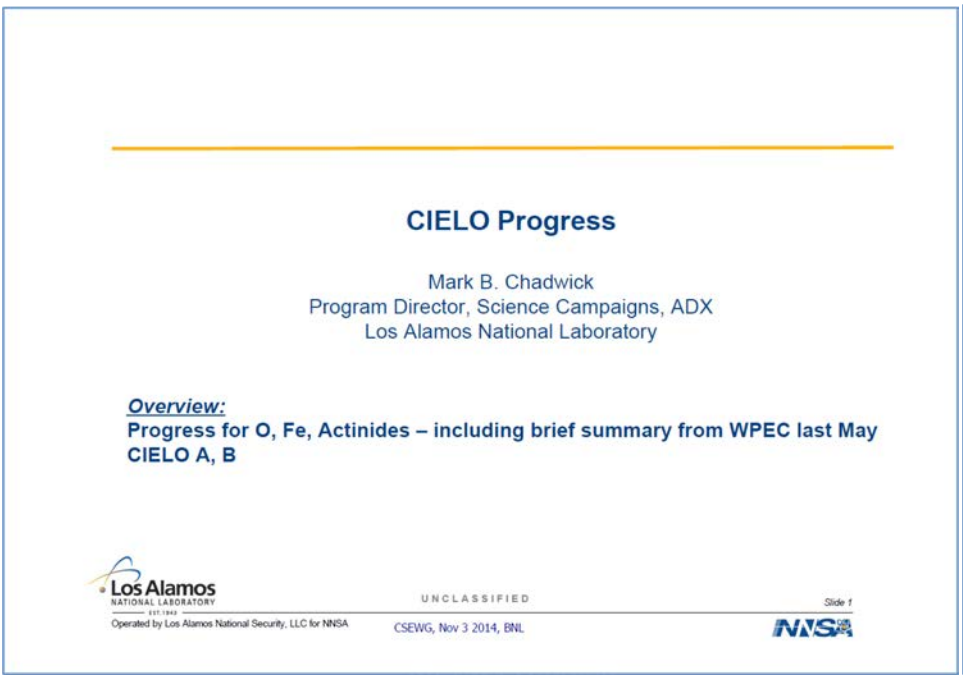
If available, how to share work: volunteers to make contributions? To be verified before next meeting (All)

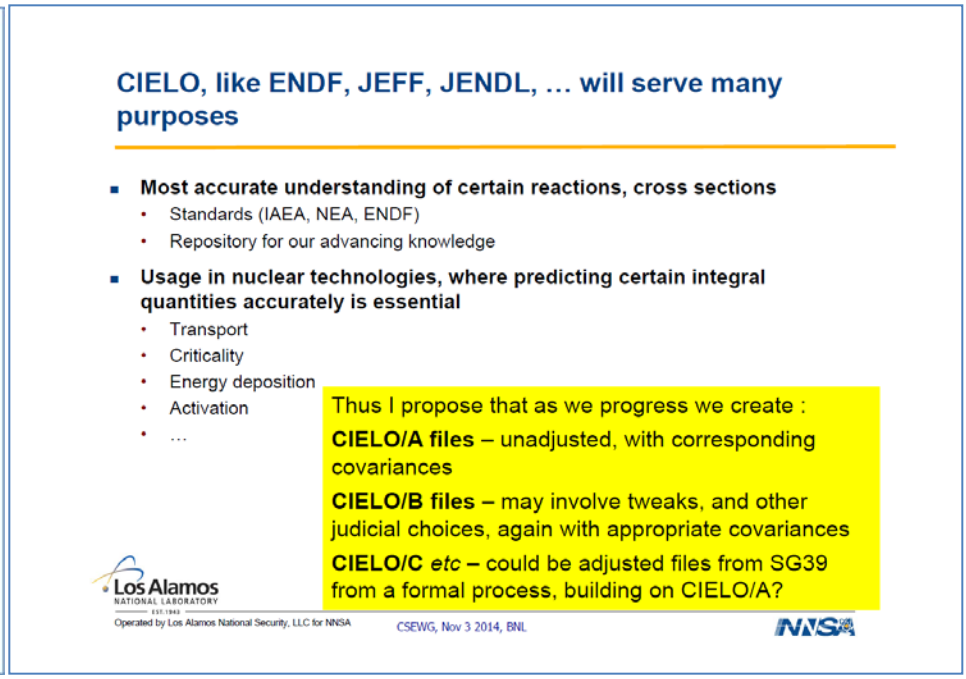
A4. M. Salvatores, G. Palmiotti

Check the possibility to perform new experiments, e.g. in connection with the new NSC Expert Group on "Improvement of Integral Experiments Data for Minor Actinide Management".

A5. INL, JAEA, CEA/JEFF (and Others)

New adjustment results and trends by next meeting, using updated covariance data if available (To be done in connection with CIELO).





A6. P. Archier (and JAEA, G. Palmiotti)

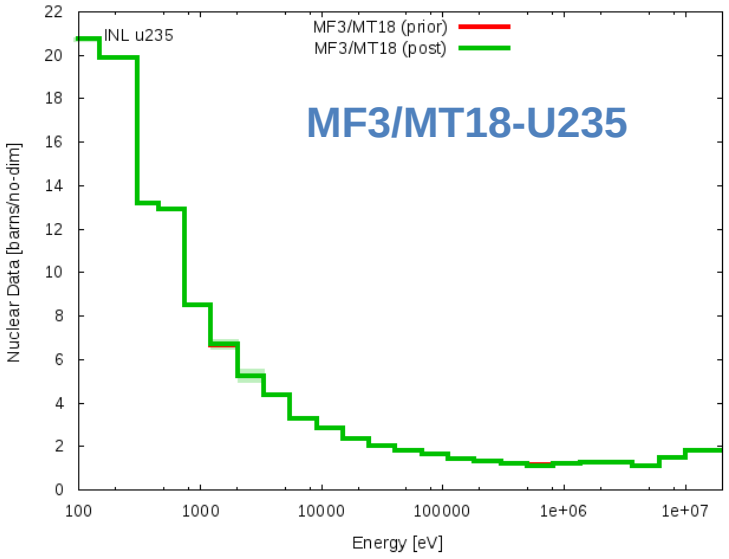
Validation of covariance data: proposal to be finalized.

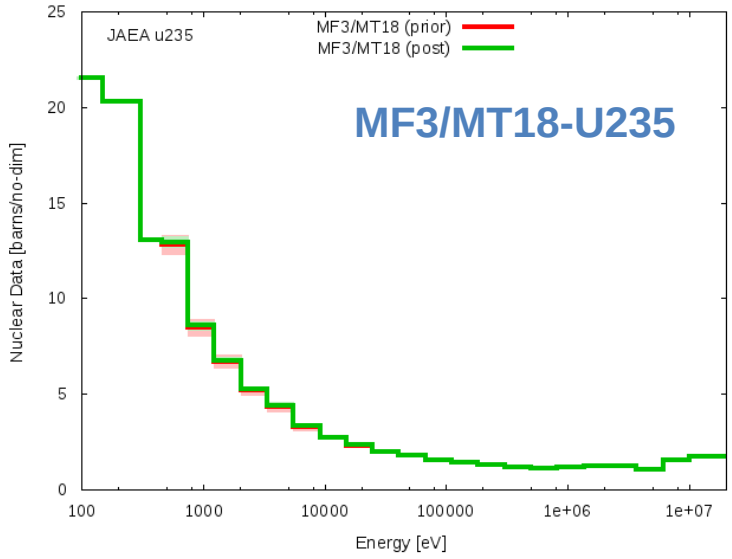
A7. K. Yokoyama, G. Palmiotti

Finalise methodology studies to avoid compensations, to point out to systematic effects, etc.

A8. E. Dupont

Update online plots' comparison.
https://ww.oecd-nea.org/science/wpec/sg39/adjustment/results
https://www.oecd-nea.org/science/wpec/sg39/adjustment/results/plots/html/
(cf. bottom figures "Adjustment results relative to INL results" where the curve "JAEA_prior/INL_prior – 1" has been added).





Plots- Example, MF3/MT18-U235