Some overall objectives:
for consistent philosophies

Use new/recent accurate measurements of resonances & other key data (PFNS, PFGS,...) & theory advances

Maintain the good integral performance of integral criticality and reaction rates
- build upon the large experience & effort devoted in the last 2 decades to ensuring excellent performance

Add to this good integral performance, *e.g.* better model new RPI semi-integral scattering data; Pu thermal (Sg34); 235U-capture-sens. Assemblies, …

Evaluations for CIELO represent our best knowledge (exp, theory, ….); use IAEA standards, IRDFF; excitation functions evaluated largely from experiment if well-determined by exp.

General next steps: Goals for completion by May

Integral testing leads & CIELO isotope leads identify key validation experiments & validation objectives.

Explore new some high-impact options, to identify if they are feasible, or if they should be ruled out for CIELO1.0
   - thermal 235U Kornilov-type PFNS; Other PFNS mods?

Create starter-files, *probably in this order*
   - *1H – ENDFVII.1 unchanged to start*
   - 238U – take Capote/Trkov file (future Res. to be added)
   - 235U – Leal's prelim. res res.+Romaine's team
   - 239Pu – SG34 (Noguere..)+Kawano's team
   - 16O – Plompen, Kunieda team
   - 56Fe – Leal prelim RR, + Herman team

Some specific challenges

238U, *rather good shape, given we think the IRMM/CERN.. resonance updates will be similar to current 238U resonances*
*   - REFIT new analysis included when available*
*   - incorporate conclusions from PFNS team*

235U
*   - evaluate 235capture in res region & 2.25 keV –20 MeVs*
*   - collaborate with fast actinide team on new inelastics*
*   - incorporate conclusions from PFNS team*

239Pu
*   - use SG34*
*   - collaborate with fast actinide team on new inelastics*
*   - incorporate conclusions from PFNS team (Talou, Capote et al.)*

Some specific challenges

1H, await standards

16O

    - evaluate n,a based on experiment (e.g. Pronyaev), for consideration; R-matrix theorists study extent to which theory can understand this change

    - build file that uses the new low-energy total

    - elastic scattering: focused team of R-matrix+integral

    - incorporate conclusions from PFNS team (Talou, Capote et al.)

56Fe

    - figure how to make a starting file! JEFF?

    - include new Leal RR