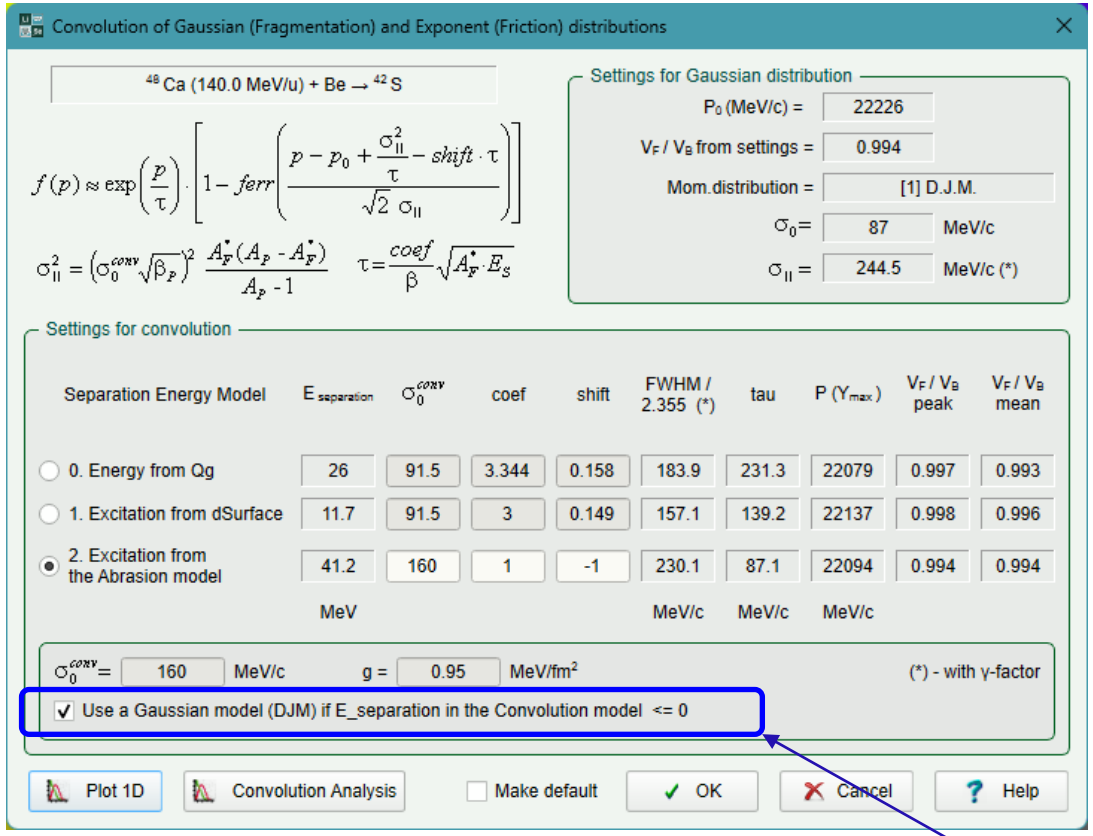
LISE++ *cute* version 17.6.11

v.17.6.11
07/10/24

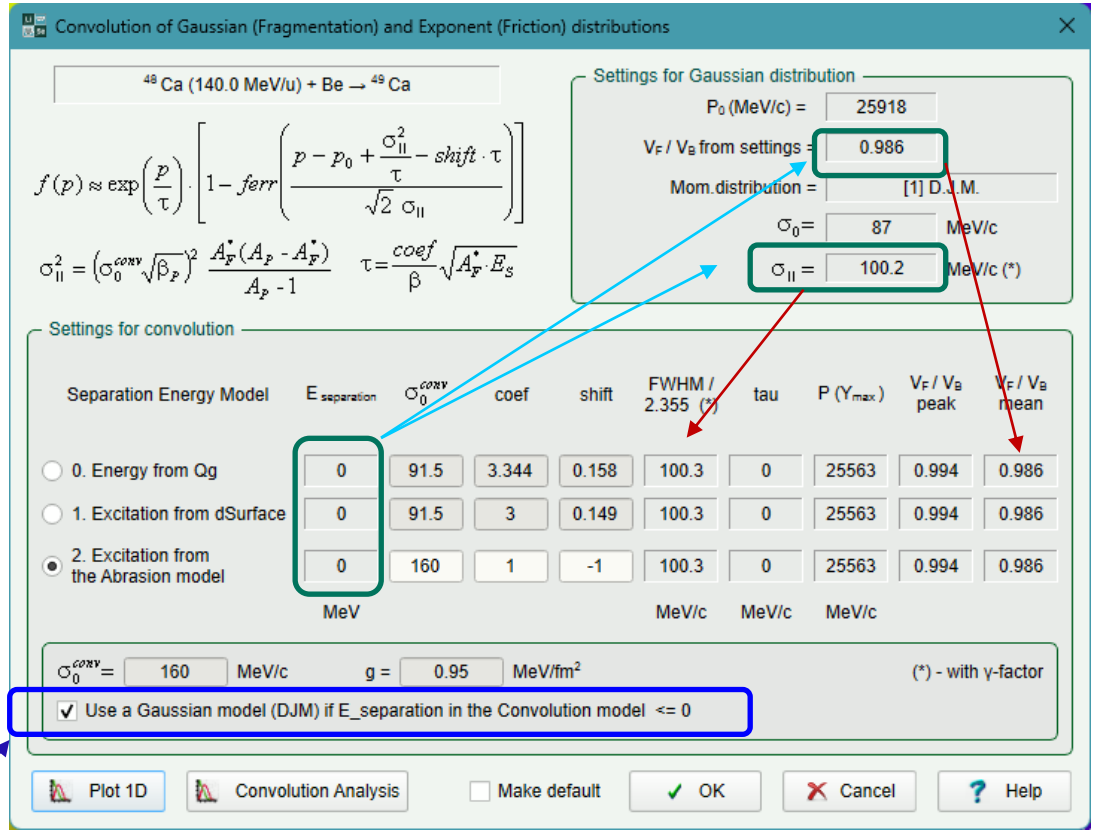
- Update of the Convolution momentum model for low separation energies
- New LDM3 with shell corrections
- FRIB logo application
- The Beam Dump utility update
- PAC3 rates – open access

Update of the Convolution momentum model for low separation energies

$^{48}Ca \rightarrow {}^{42}S$



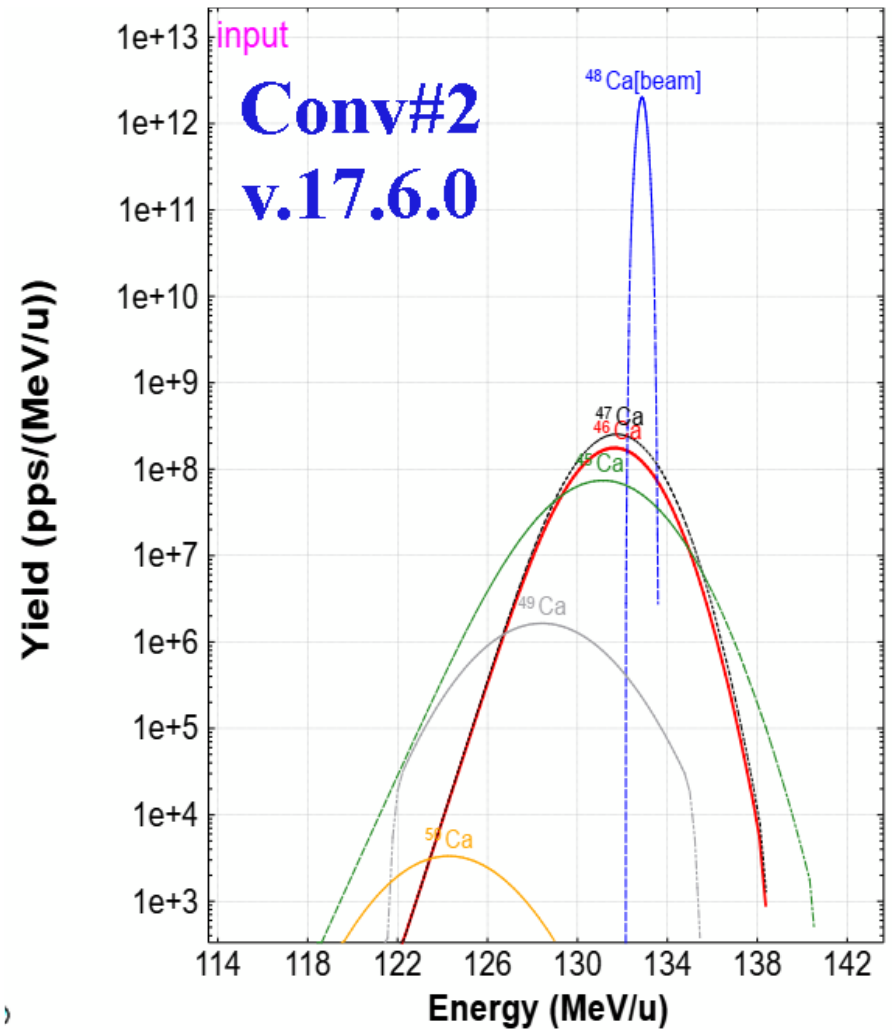
$^{48}Ca \rightarrow {}^{49}Ca$ (pickup case)

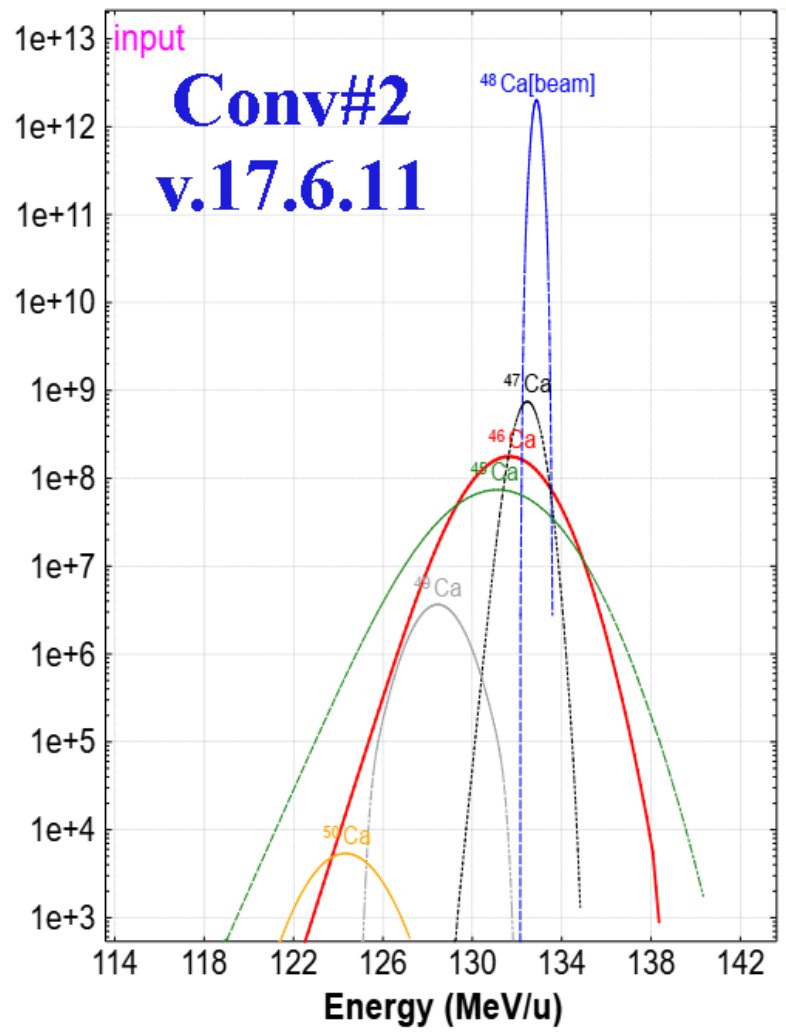


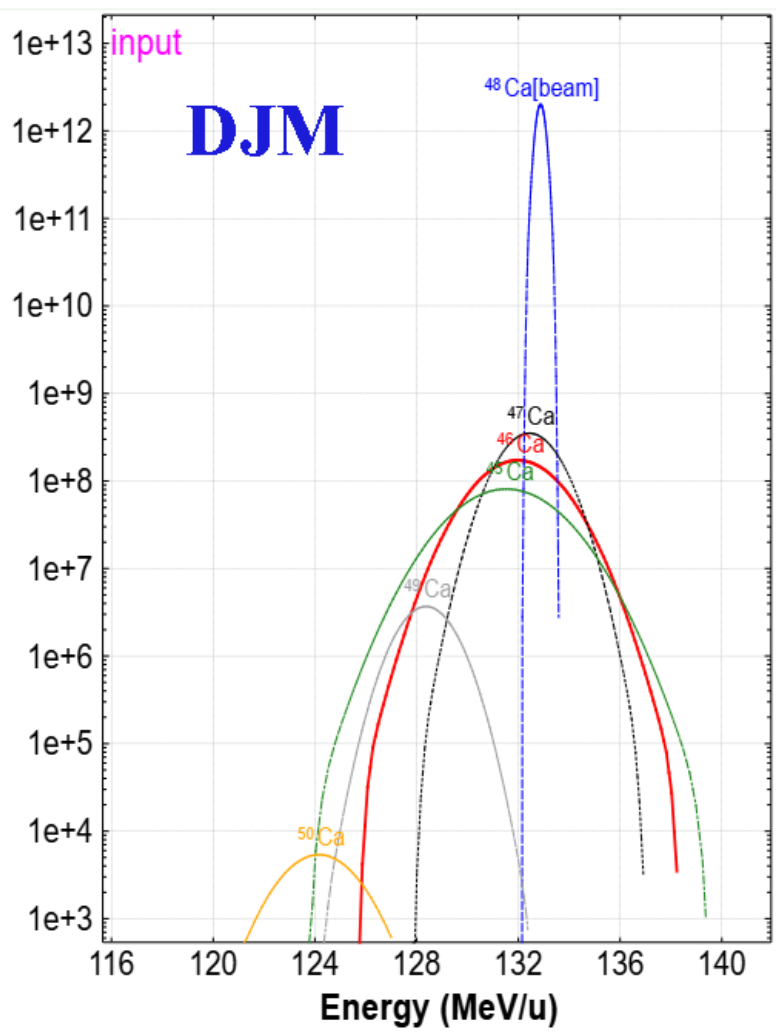
The CheckBox is Set by default

Update of the Convolution momentum model for low separation energies

NEW



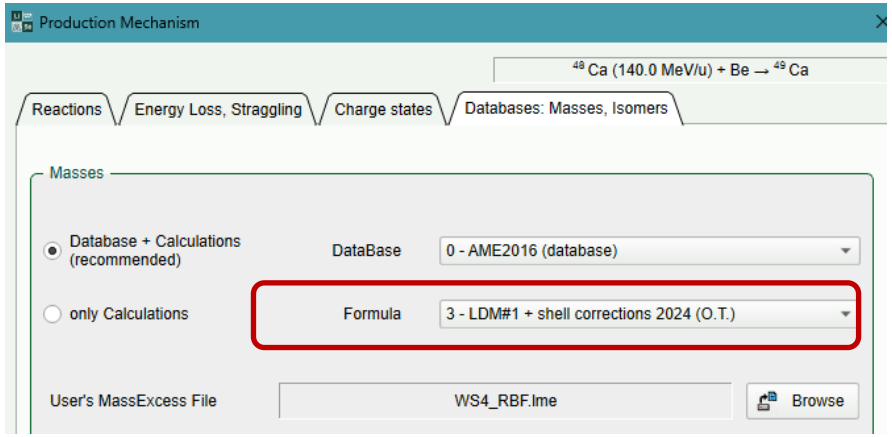


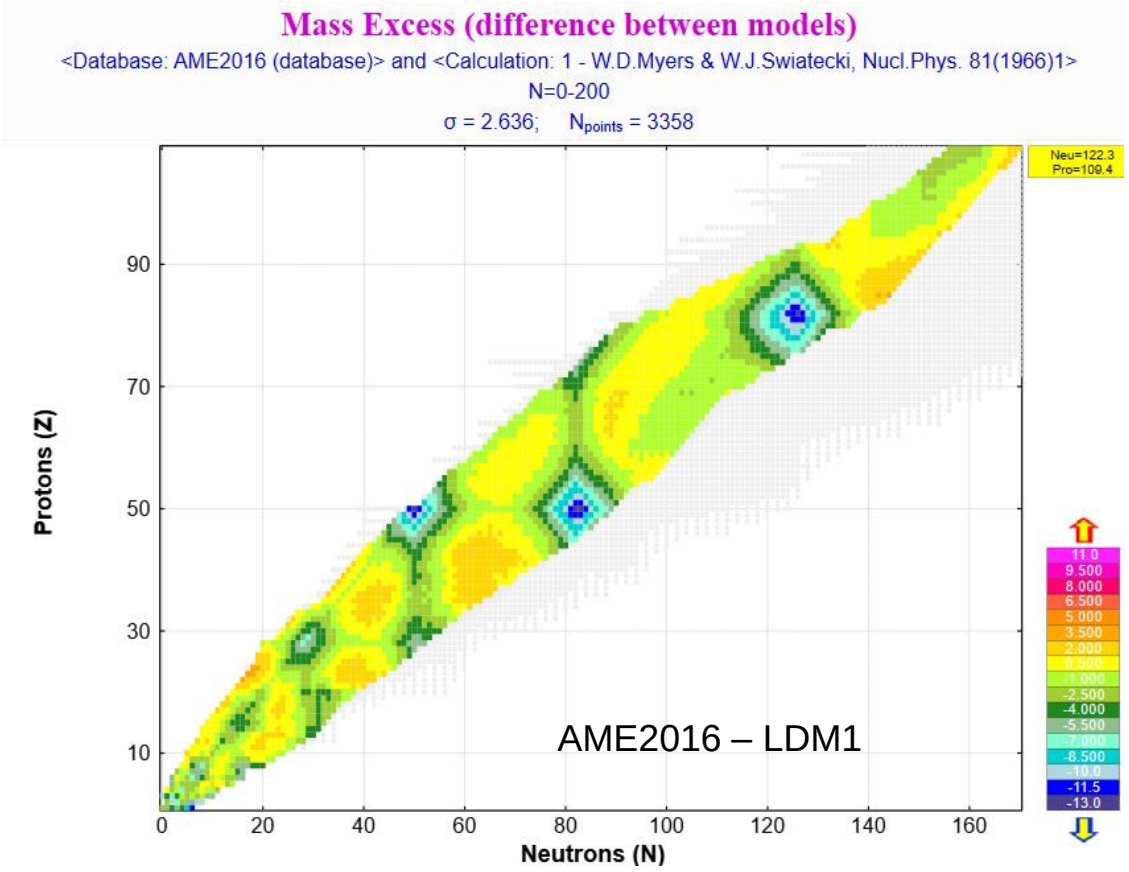


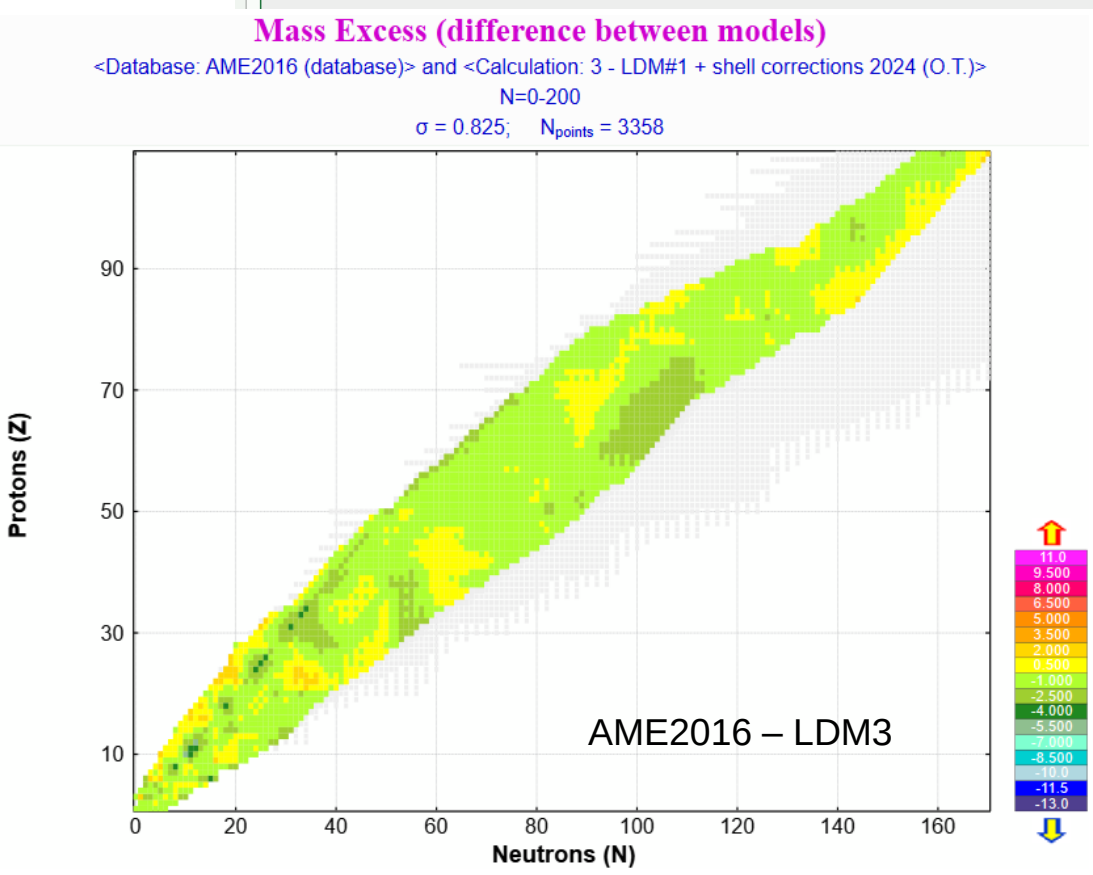
New LDM3 with shell corrections

Main purpose : using for extrapolation of mass tables

- Based on AME2020
- New Shell crossings implemented
- Set as default for calculation (extrapolation)

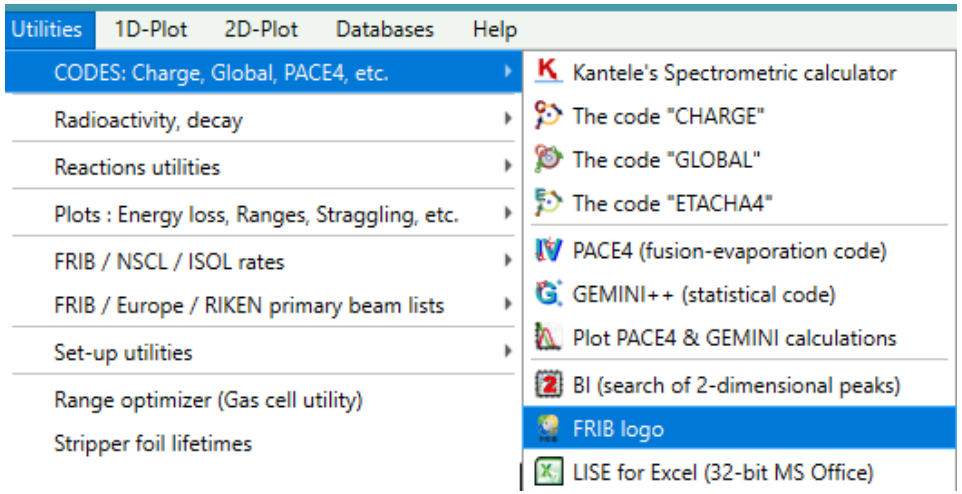


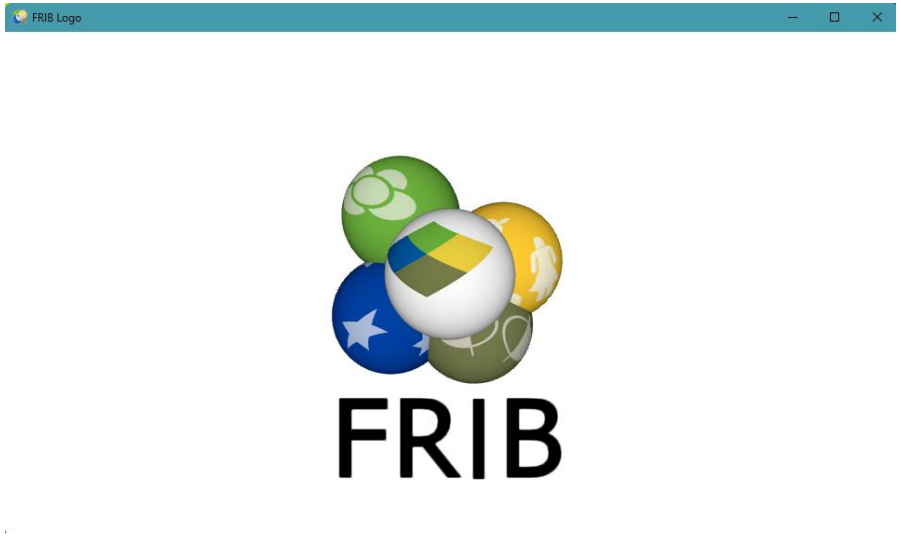


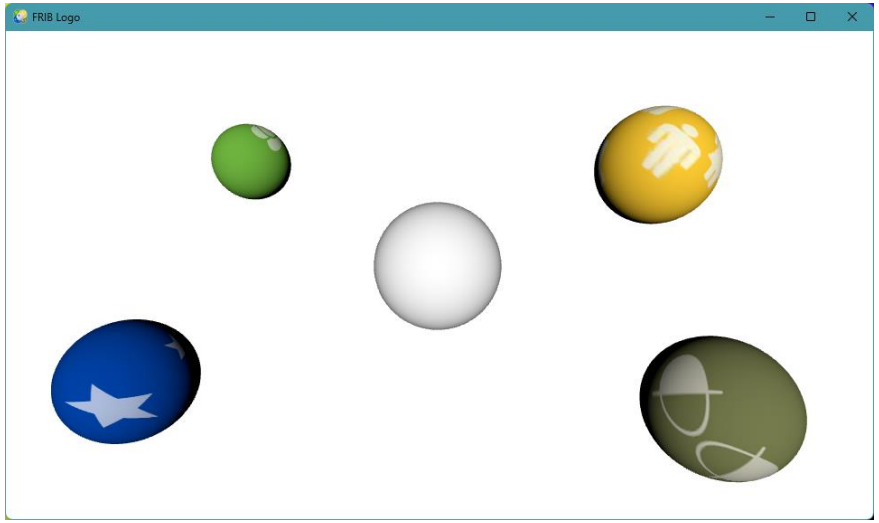


FRIB logo application

Sasha T.'s project







The Beam Dump utility update, PAC3 rates

Three Beam Dump spatial parameters have been added to LISE file

```
[finger]
             Diffuseness = 0.01
             Suppression = 1e+12
          BeamDumpBlock = BTS01b_D1ex
        BD_usePrevious = 0
       BD_LongDistance = 616.5                mm
    BD_distTransverse = 8.34                  mm
            BD_Center = 75                    mm
```

Access to PAC3 rates is open.
No more construction notes and password.