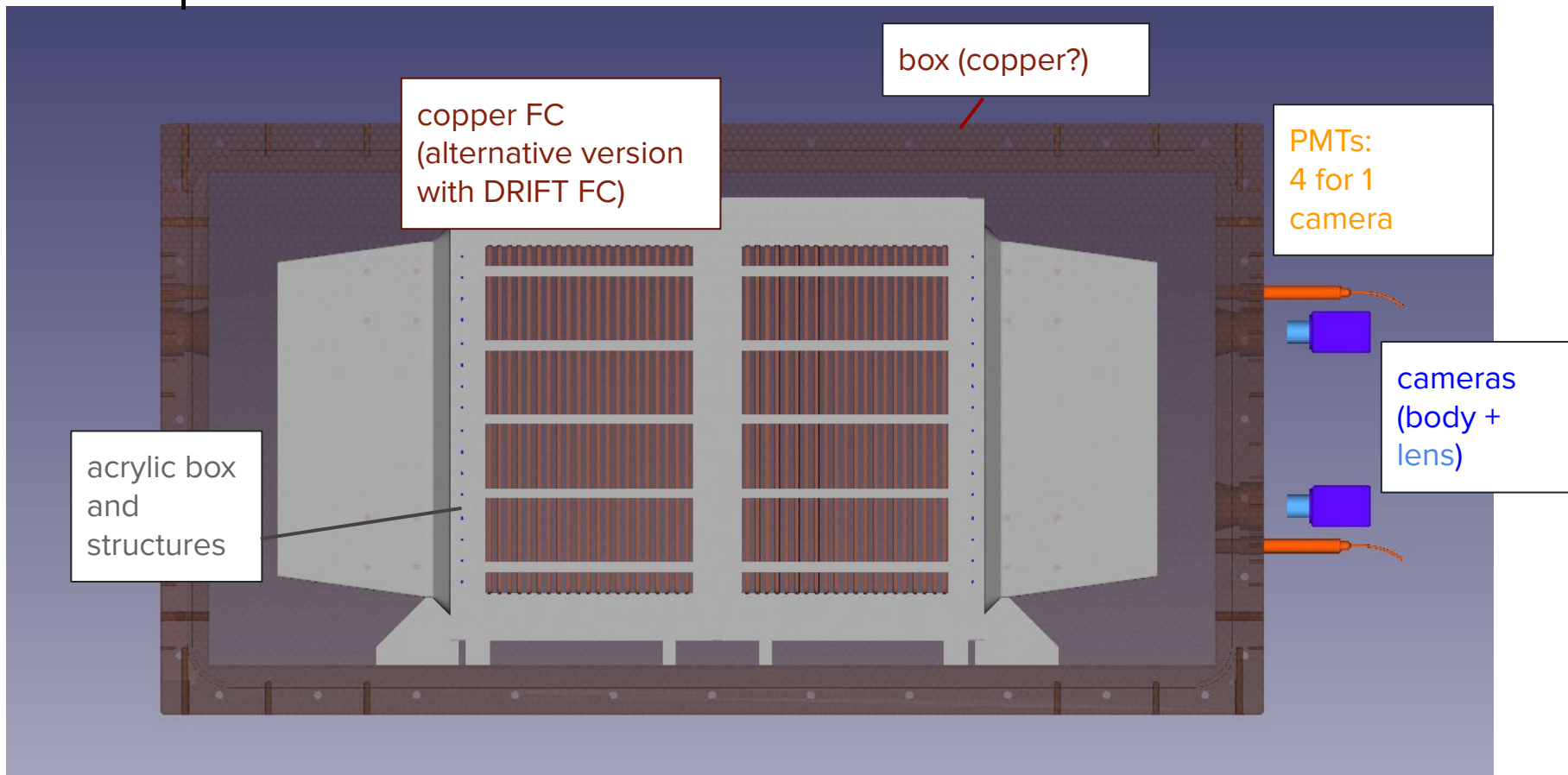


CYGNO_04 simulations update

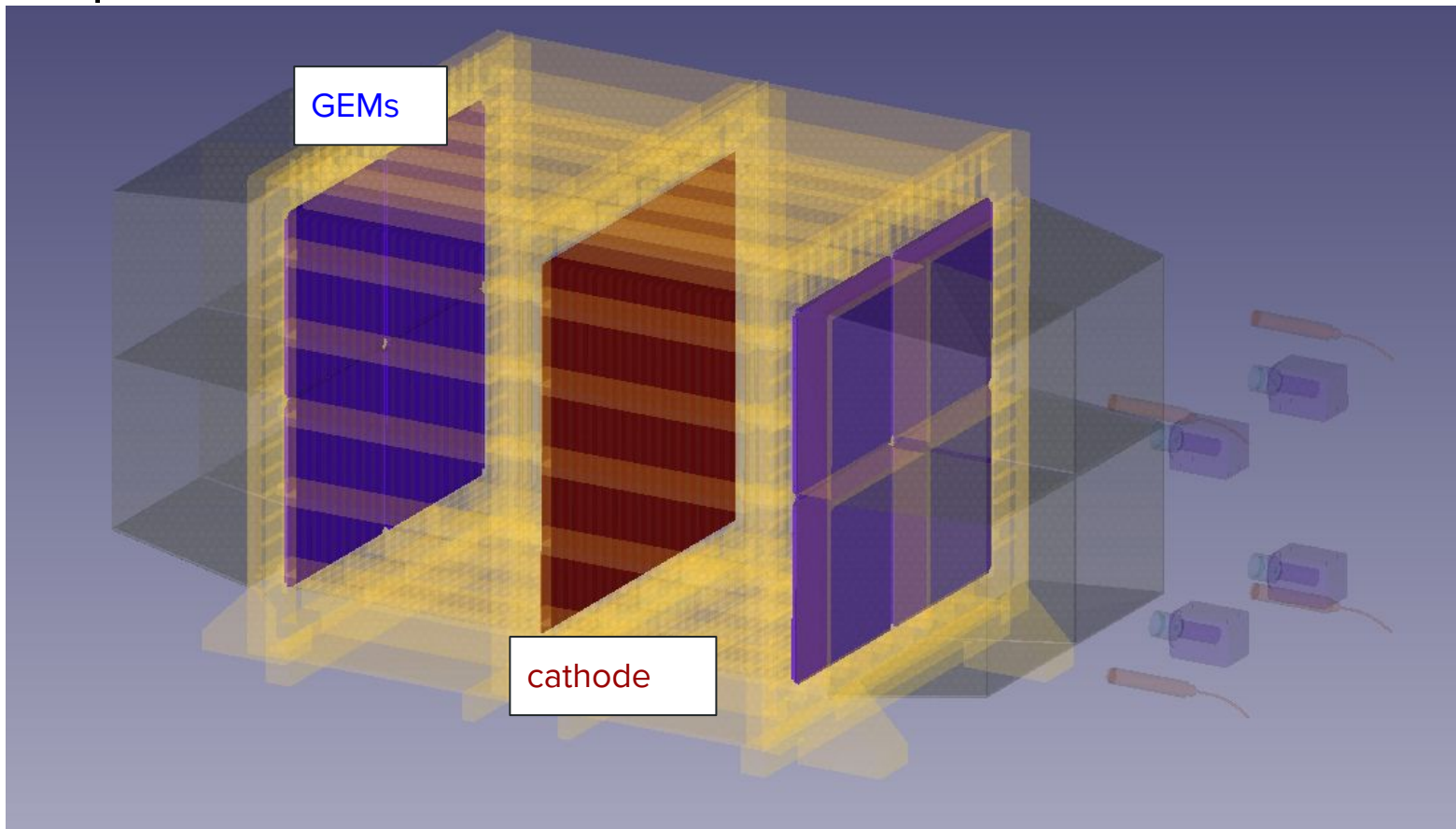
Giulia D'Imperio

CYGNO simulation meeting 04/04/22

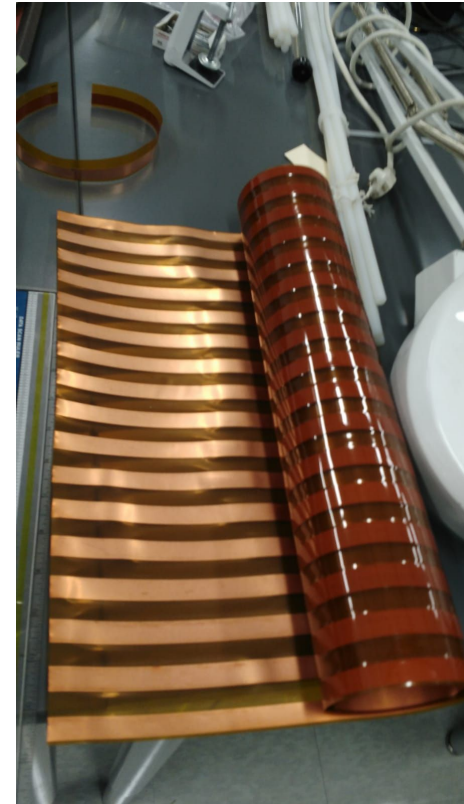
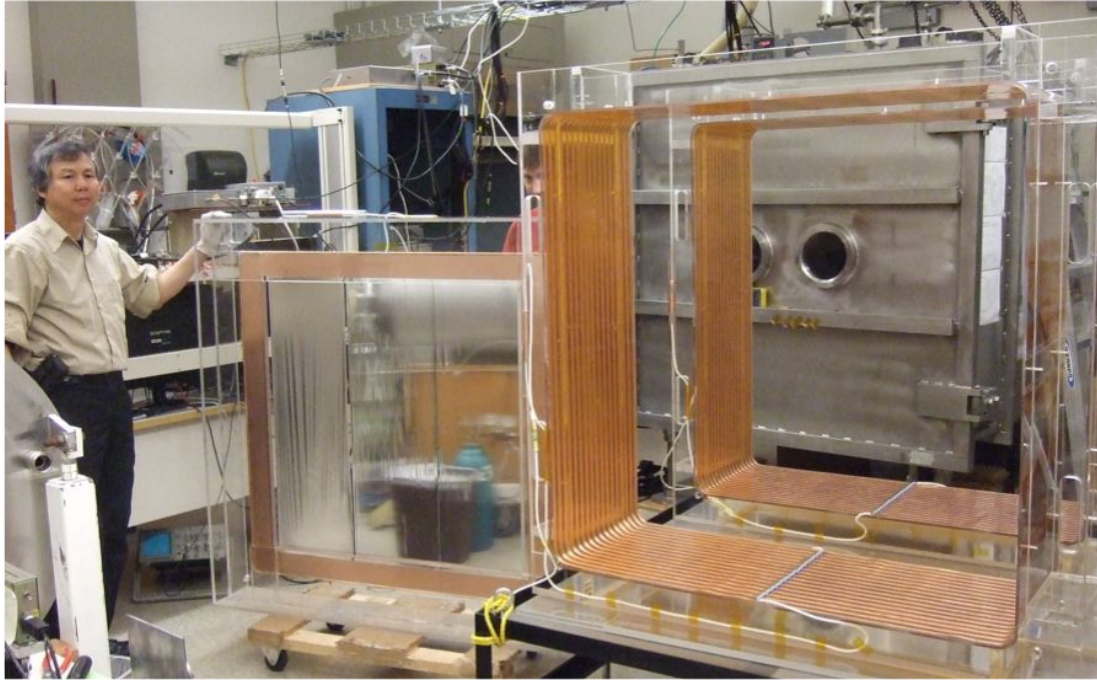
Simplified CAD model



Simplified CAD model

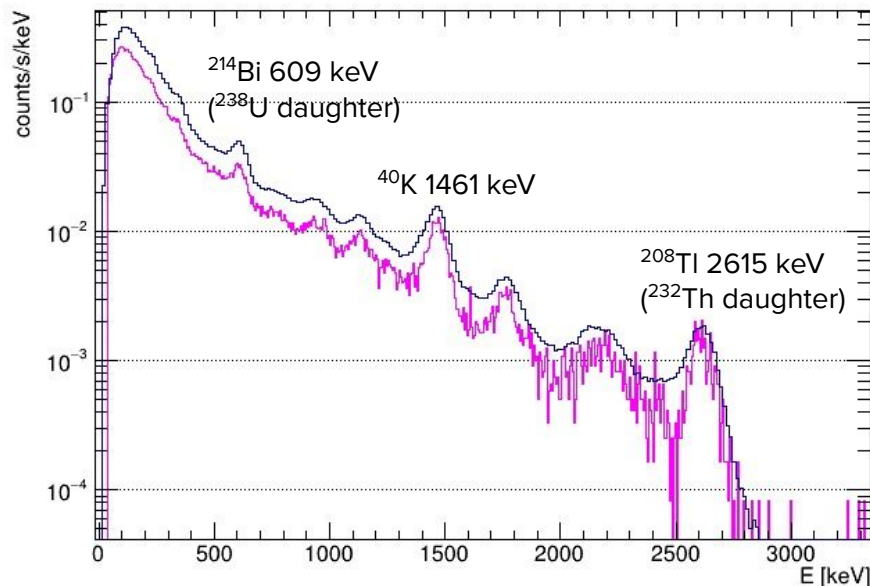


DRIFT field cage



Gamma background measured at LNGS

- Both spectra taken with NaI(Tl) 3" crystal
- Calibrated using 609 keV, 1461 keV, 2615 keV
- Normalized in counts/s/keV



— Hall F measurement CYGNO
— Hall C measurement DEMETRA

Total gamma flux in Hall F
about 1.5x flux in Hall C

(Gamma flux in Hall C measured
by SABRE is $0.6 \gamma/\text{cm}^2/\text{s}$)