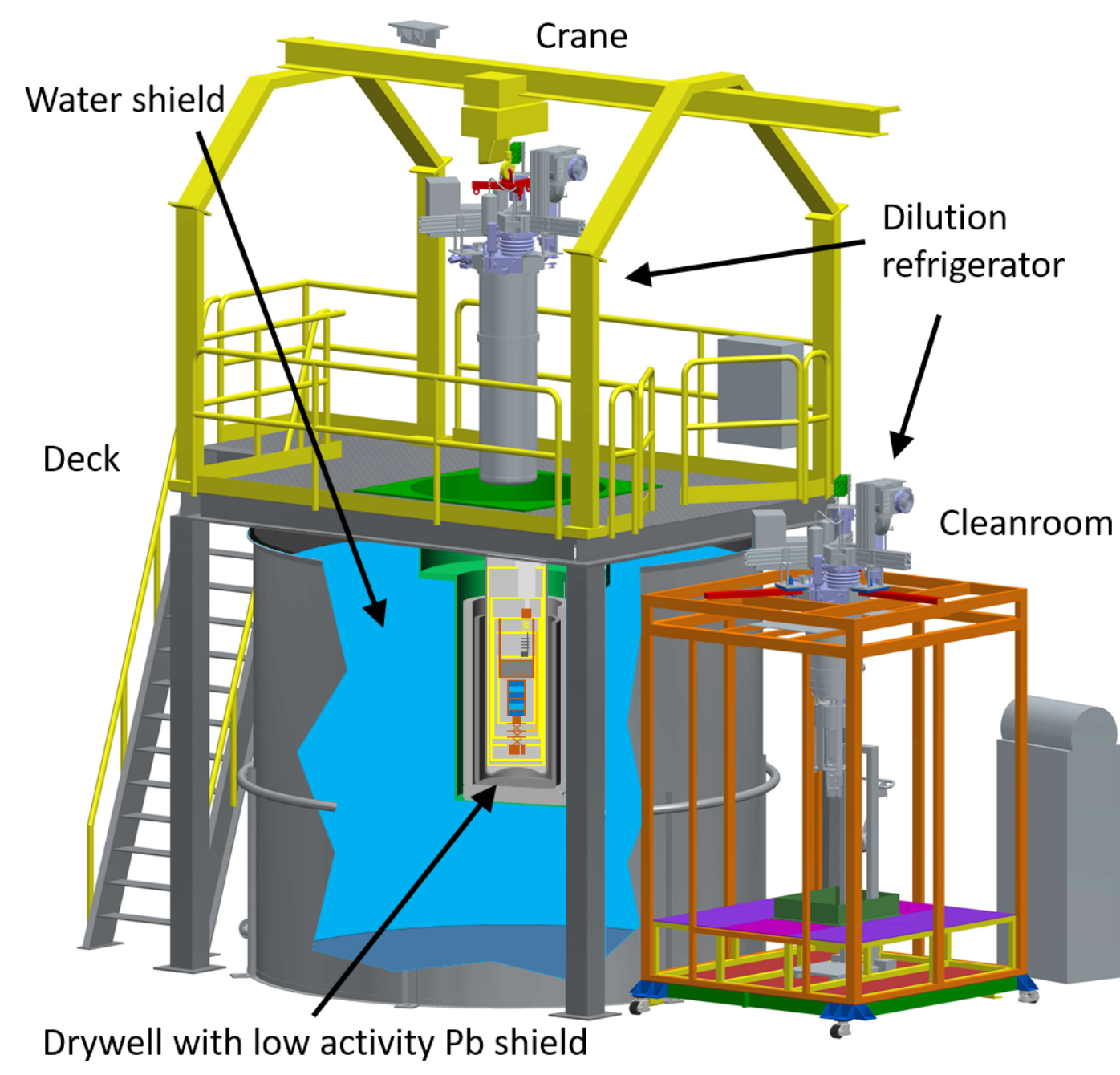




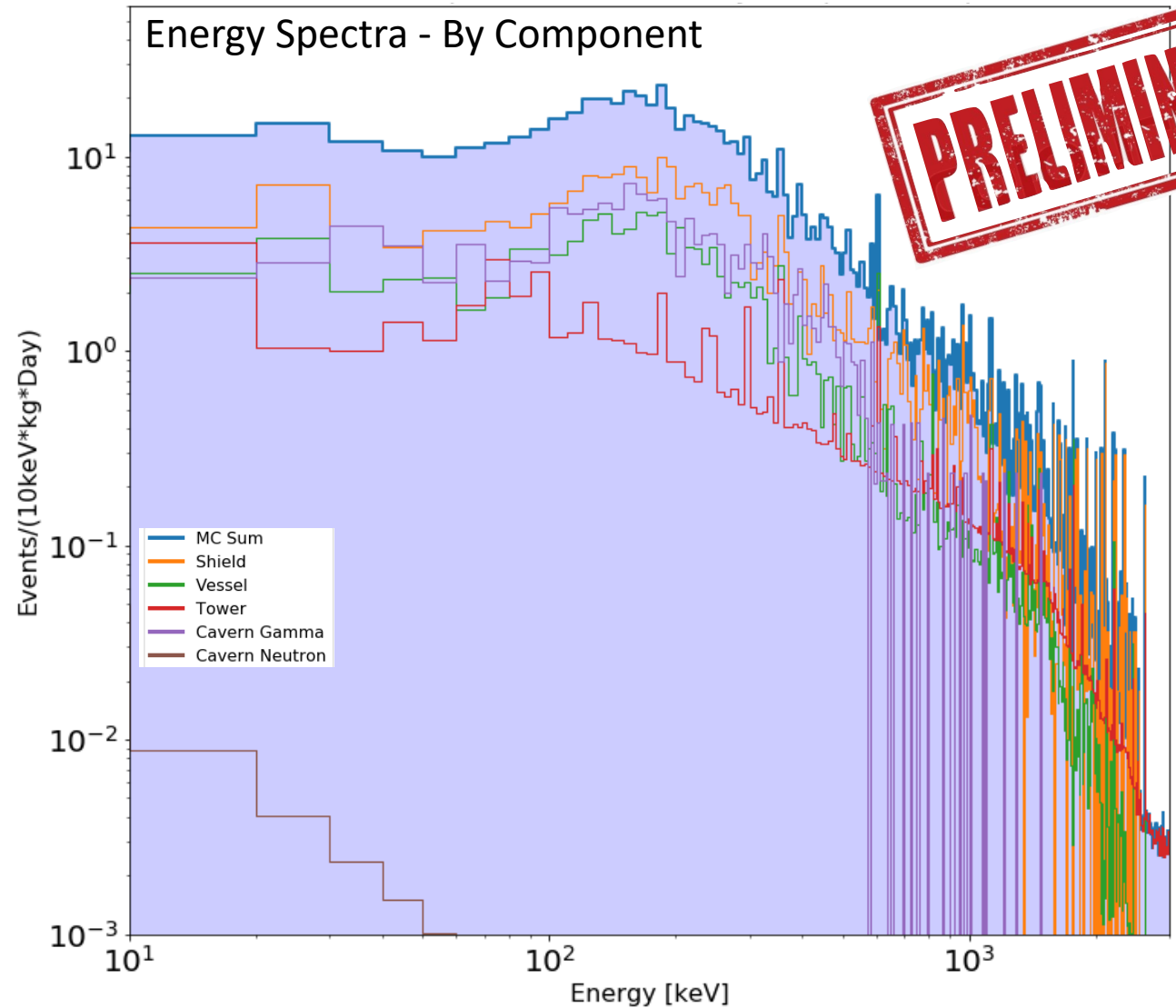
Radioactive Background Characterization of the Cryogenic Underground Test Facility (CUTE)

Silvia Scorza
on behalf of the CUTE team



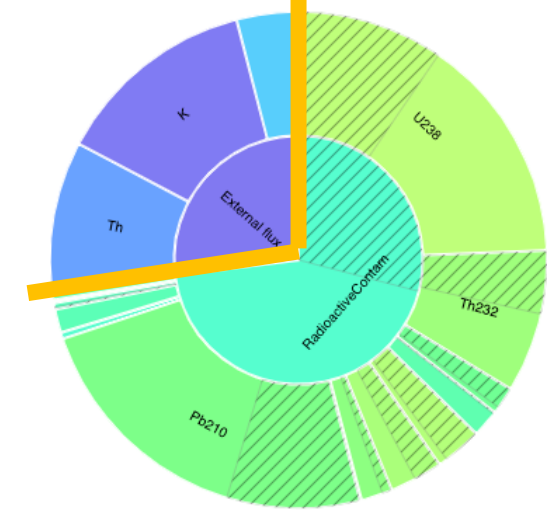
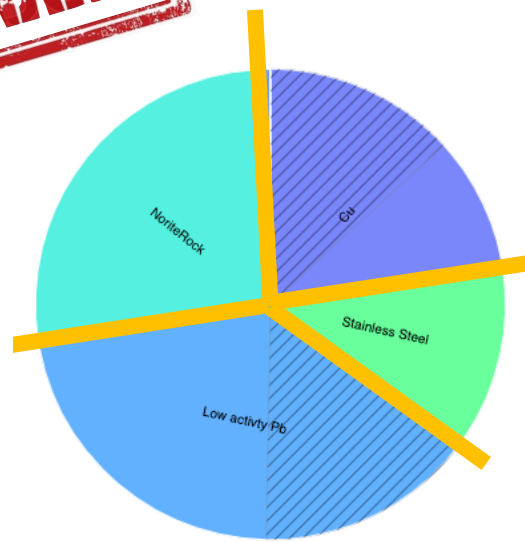
G4 Simulated Energy Spectra

M. Baiocchi and A. Pleava (SNOLAB)



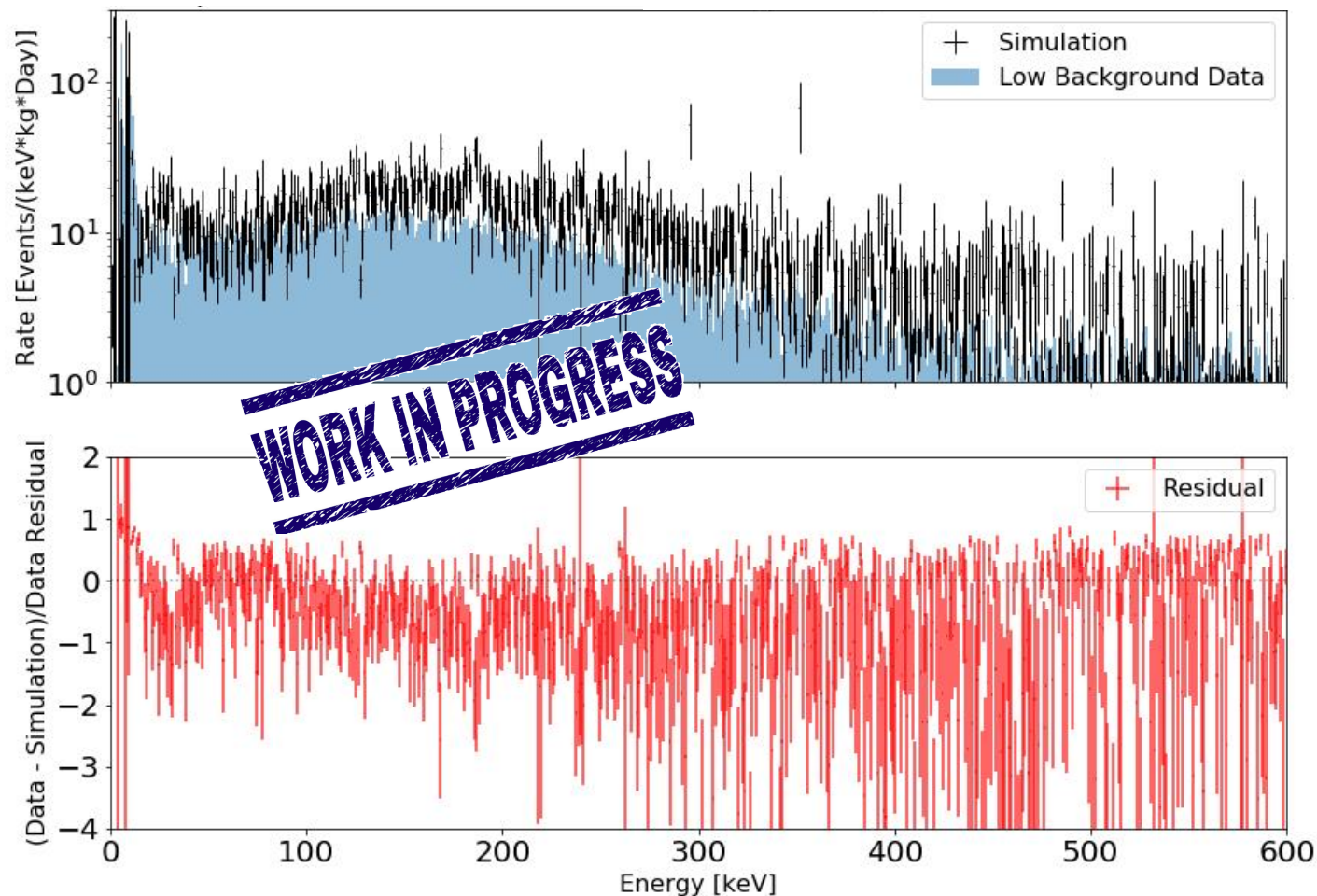
PRELIMINARY!

Background EXplorer



The radioactive background budget of the facility has been validated using a 600g Ge crystal. It is ~5 dru in [1-1000keV] for the facility itself.

M. Baiocchi and A. Pleava (SNOLAB)



Data and Geant4 simulation comparison - not a fit

Very good agreement

The small deviation might be due to the use of upper limits from HPGe screening results where no contamination was identified

Work In Progress...