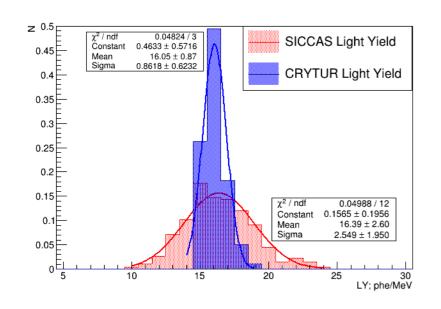
## Status of PWO crystals production and delivery

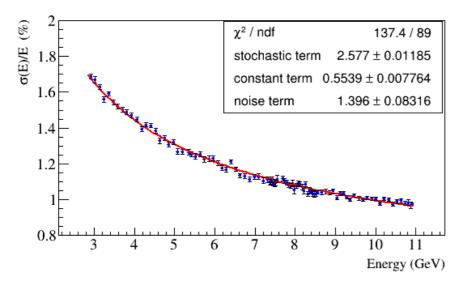


CRYTUR: 100(Universities)+717(JLab) = **827** crystals End of August 2021 **1150** End of 2021 **1300** (\*)

All crystals are high quality and uniform

**SICCAS:** 460(\*)

300 Preselected good crystals (140 installed in CCAL) 160 Replacement crystals



https://halldweb.jlab.org/DocDB/0047/004784/003/ccal\_nps.pdf

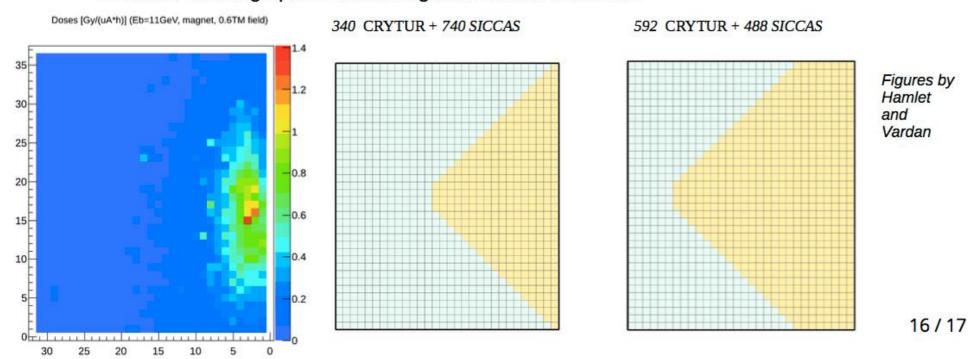
Preselected SICCAS crystals showed good performance due 12x12 prototype beam tests.

CRYTUR crystals preferably option:

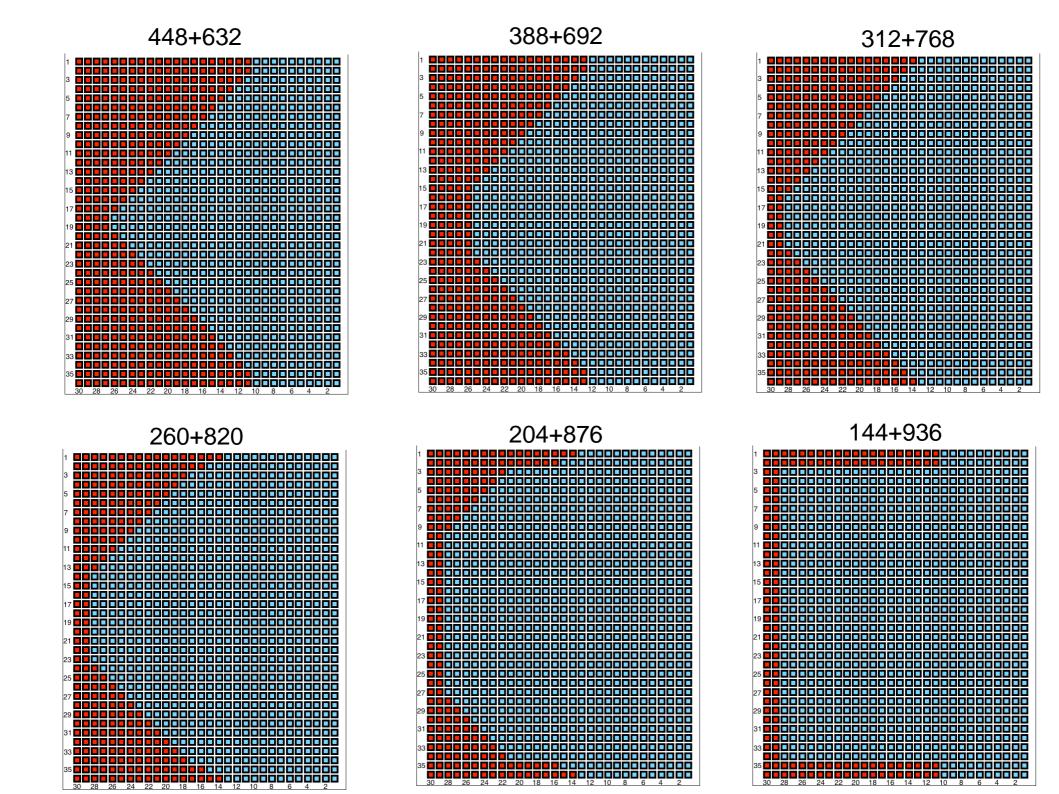
- better radiation resistance compare to SICCAS
- good LY uniformity => better constant term

## NPS Colab meeting 2019, first time stacking options discussion

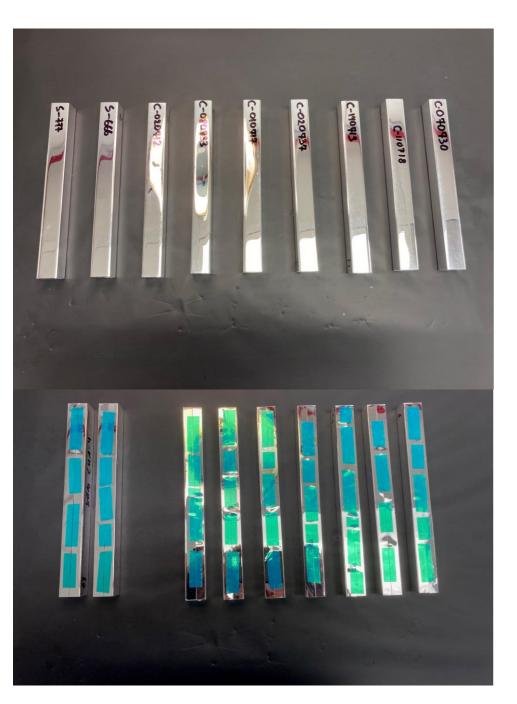
## Possible stacking options according to simulated dose rate



Simulated radiation dose is big for ~10 columns from the beam line (only CRYTUR will work fine)



## Discussion topics:



- How many CRYTUR crystals will be used?
- Man power, who will be involved in the stacking?
- What the best stacking strategy, approximate rate per day?
- What the best wrapping method? Do we need to have additional Tedlar wrapping?
- Do we need cleanroom operations for crystal cleaning and wrapping?
- How COVID restrictions will affect the work flow?