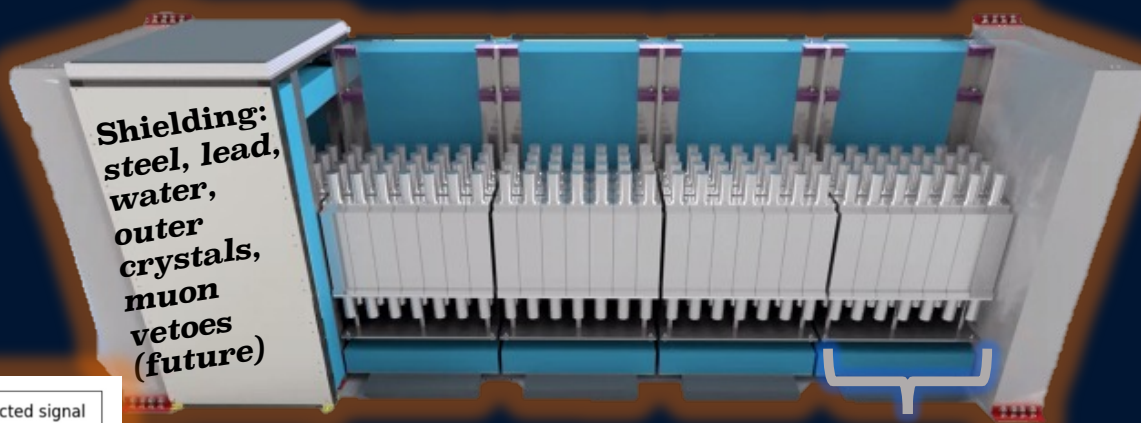
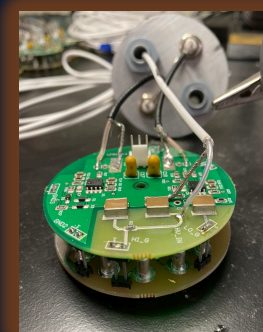




# Deployment of COHERENT multi-tonne NaI[Tl] detector: NaIvETe

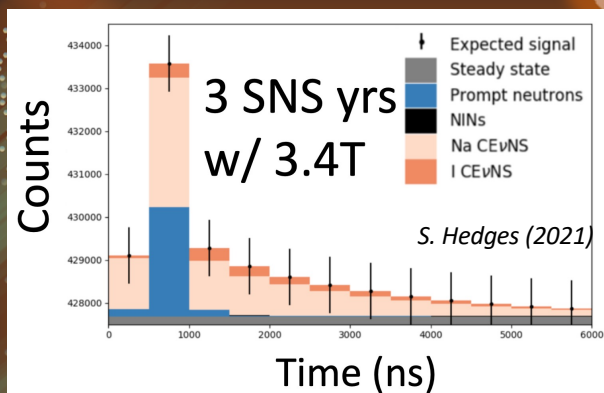
Adryanna Major, for the COHERENT Collaboration

- Measuring CEvNS on  $^{23}\text{Na}$  and  $\nu_e\text{CC}$  on  $^{127}\text{I}$
- Lightest nucleus in COHERENT ( $\text{N}^2$  probe)



1 module = 63 NaI crystals

5 modules



- 1<sup>st</sup> module (~0.5T) deployed at SNS @ ORNL in 2022
- 5-7 modules total (2.4-3.4T) planned for near-future
- Dual-gain PMT base → *simultaneous* readout of CEvNS & CC