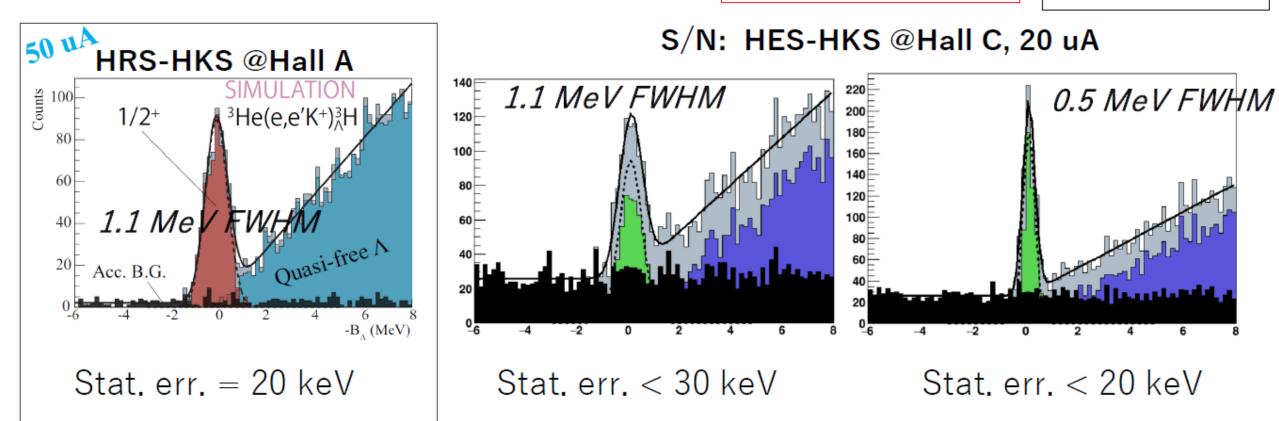
## Strategy meeting

Kyoto Univ,. Toshiyuki Gogami October 7, 2021

## Signal to noise ratio in the case of Hall C

- ✓ HES-HKS; w/o e+e- background in HKS
- $\checkmark$  (HES rate = 2.5 MHz @8uA, <sup>52</sup>Cr  $\rightarrow$ ) HES rate @20uA  $\rightarrow$ 
  - 2.2 MHz (<sup>3</sup>He, 190+162 mg/cm<sup>2</sup>)  $\rightarrow$  coin = 1.5 kHz
  - 3.6 MHz ( $^{40}$ Ca, 100 mg/cm<sup>2</sup>)  $\rightarrow$  coin = 1.3 kHz
  - 55.7 MHz ( $^{208}$ Pb, 100 mg/cm<sup>2</sup>)  $\rightarrow$  coin = **18.4** kHz 1/3 of beam intensity



One of solutions:

3 times longer beamtime

- Collaboration meeting to share
  - Physics (particularly with collaborators who are not so familiar with hypernuclear physics)
  - Preparation Status (detectors, magnets)
  - Schedule
  - New results (nnL, A = 9 HN)

 $\rightarrow$  During the week of Dec 6  $\rightarrow$  What do you think?

- nnL cross section paper
  - some comments received