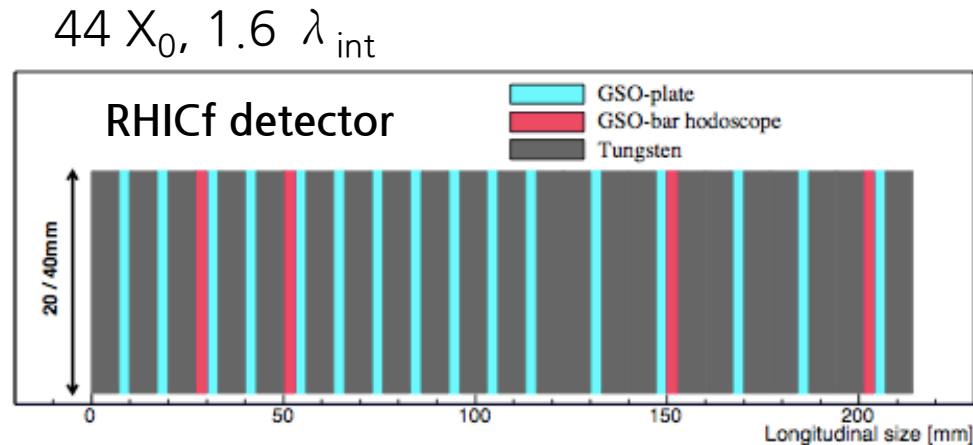
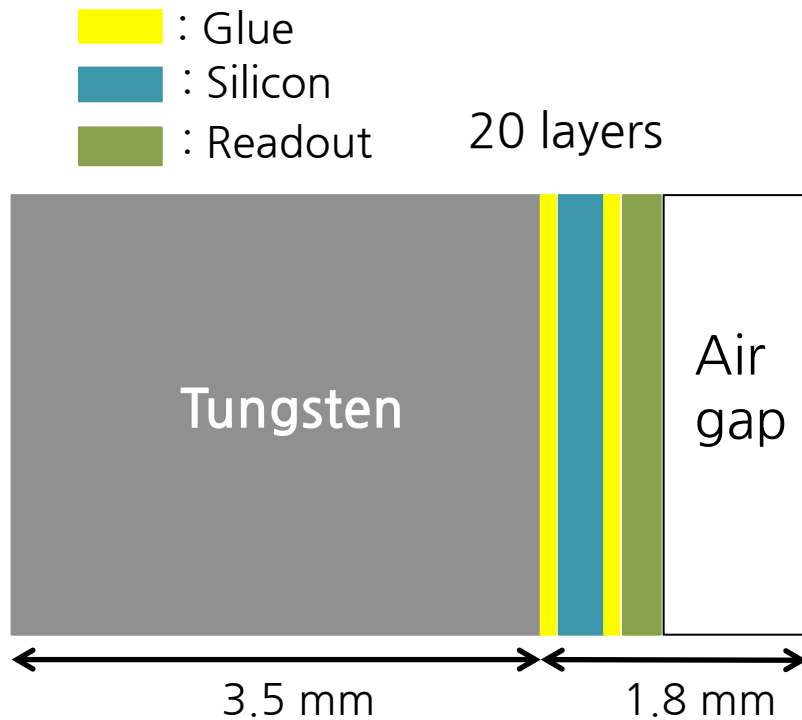


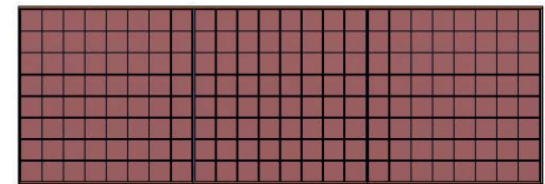
Status report

06 May 2021
Minho Kim

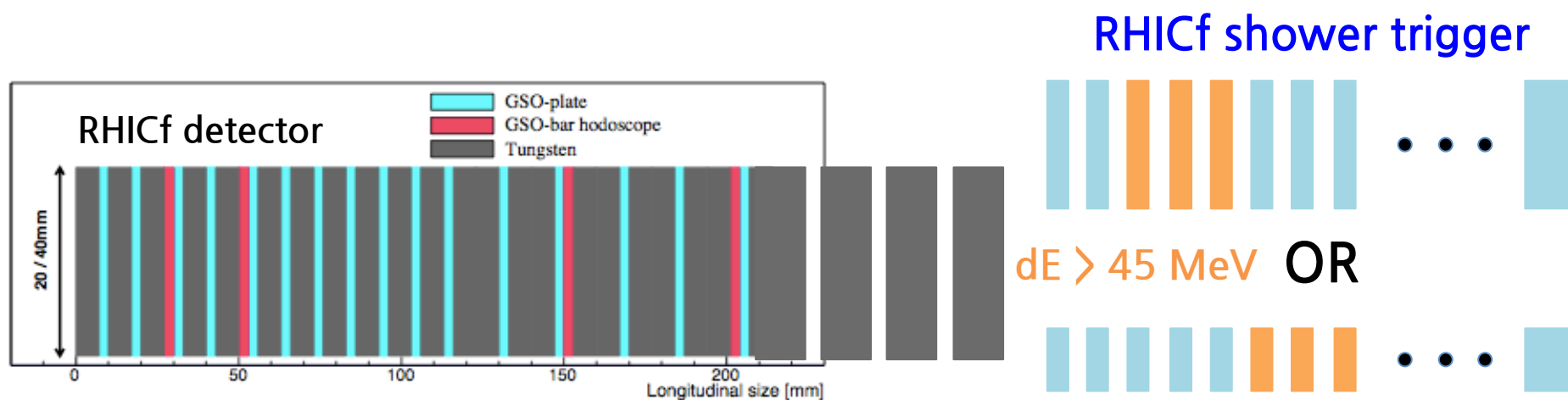
Norbert's simulation geometry



- The detector dimension was also changed to RHICf-II size, 8 cm x 18 cm.
- For tungsten thickness, the simulation study started from RHICf detector dimension, 7.0 mm but same dimensions for all 20 layers.
- Active area consists of 8 x 18 silicon tiles which have 11 mm x 11 mm square dimension.



Simulation setup



- 11 layers of 7 mm tungsten + more than 5 layers of thicker tungsten up to 9 layers; total 20 layers.
- The events were used only when energy deposits of any three successive layers are larger than 15 MeV.
- RMS/mean of energy deposit sum of 100 GeV neutron was studied depending on number of thicker layers and their thickness.
- Weight factor 2 was applied when energy deposits of 2 times thicker layers are summed.

Others

- Calculating neutron A_N in higher p_T region.
- Nishina Center seminar.