Analysis of TAx4 hybrid trigger and events

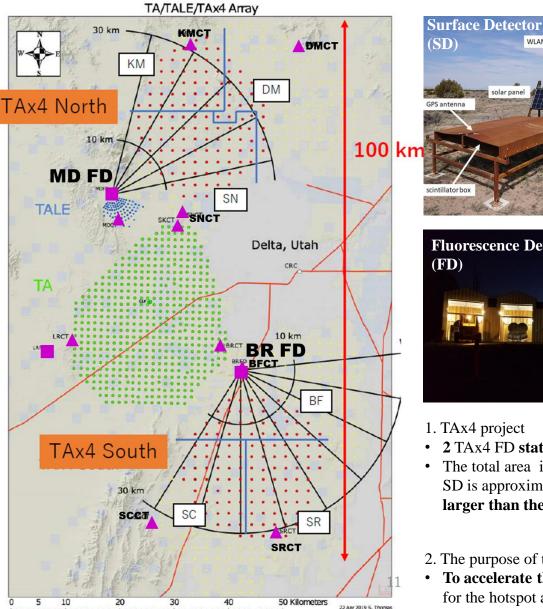
For ICRC 2021 flash talk

S.W. KIM

on behalf of the Telescope Array Collaboration

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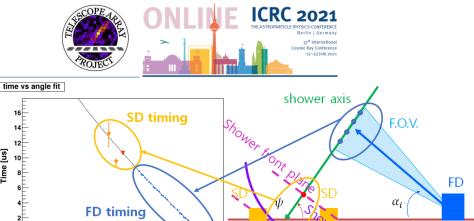
S.W. Kim¹ on behalf of the Telescope Array Collaboration ¹ Department of Physics, Sungkyunkwan University, Jang-an-gu, Suwon, Republic of Korea

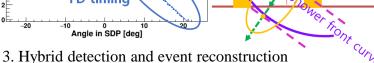


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- The total area including the TA SD is approximately **2.5 times** larger than the TA SD
- 2. The purpose of the project
- To accelerate the data collection speed for the hotspot and other anisotropy study





[ime [us]

- The hybrid trigger is issued from FD when there is an FD trigger and sent to the communications towers to take SD signals with greater than 0.3 single-muon peak independent of SD shower trigger
- FD mono information + SD information -> Accuracy improving

4. Reconstruction result (A typical event with hybrid trigger)

