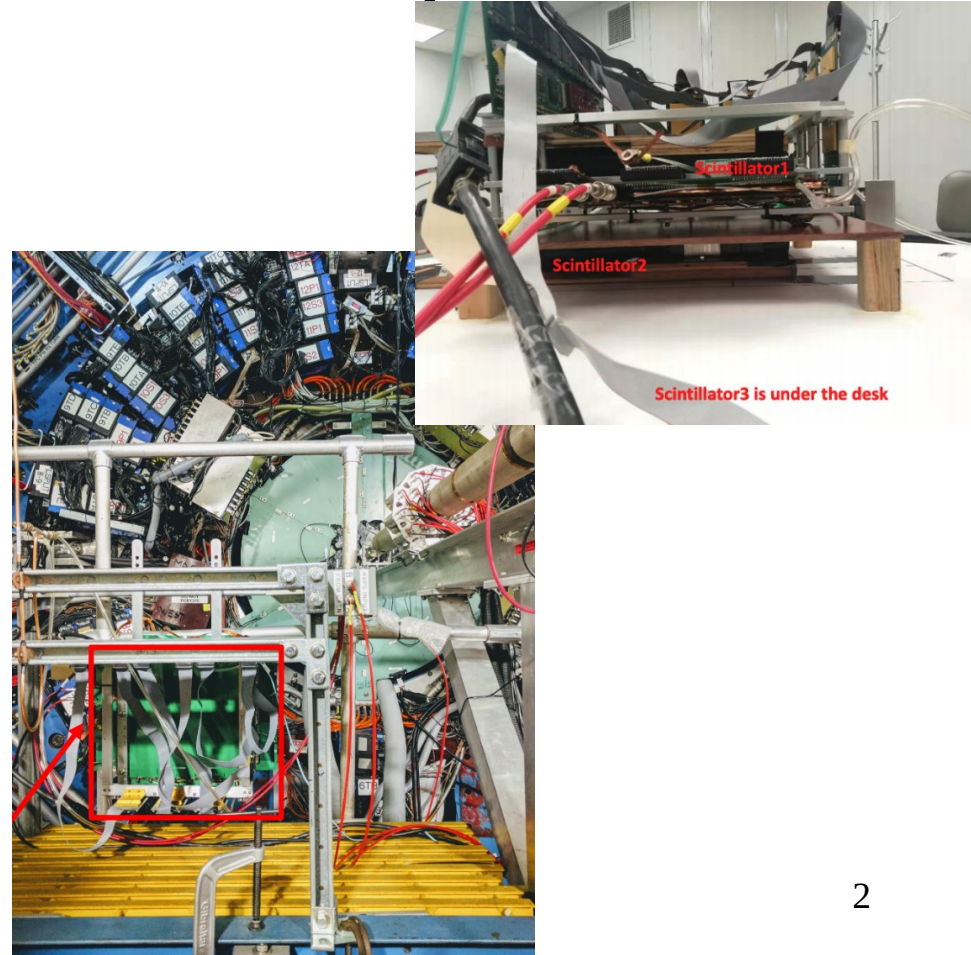


# Current test and Run-21 test with beam

Isaac Upsal  
04/27/21

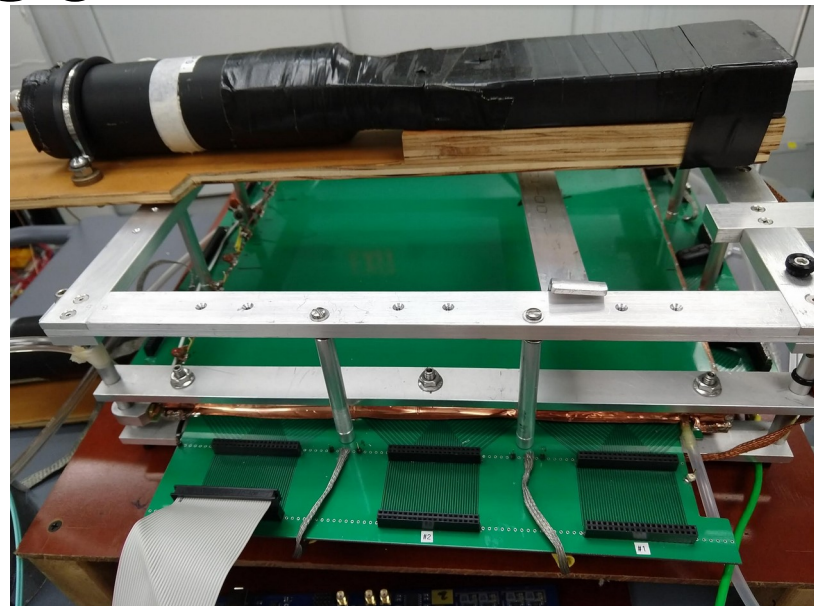
# 2019 30x30 cm recap

- 30x30 prototype operated using TPC FEEs
- Cosmic ray telescope setup with triple-scintillator coincidence; used n-pentane (and various other gases)
- Beam test using C10



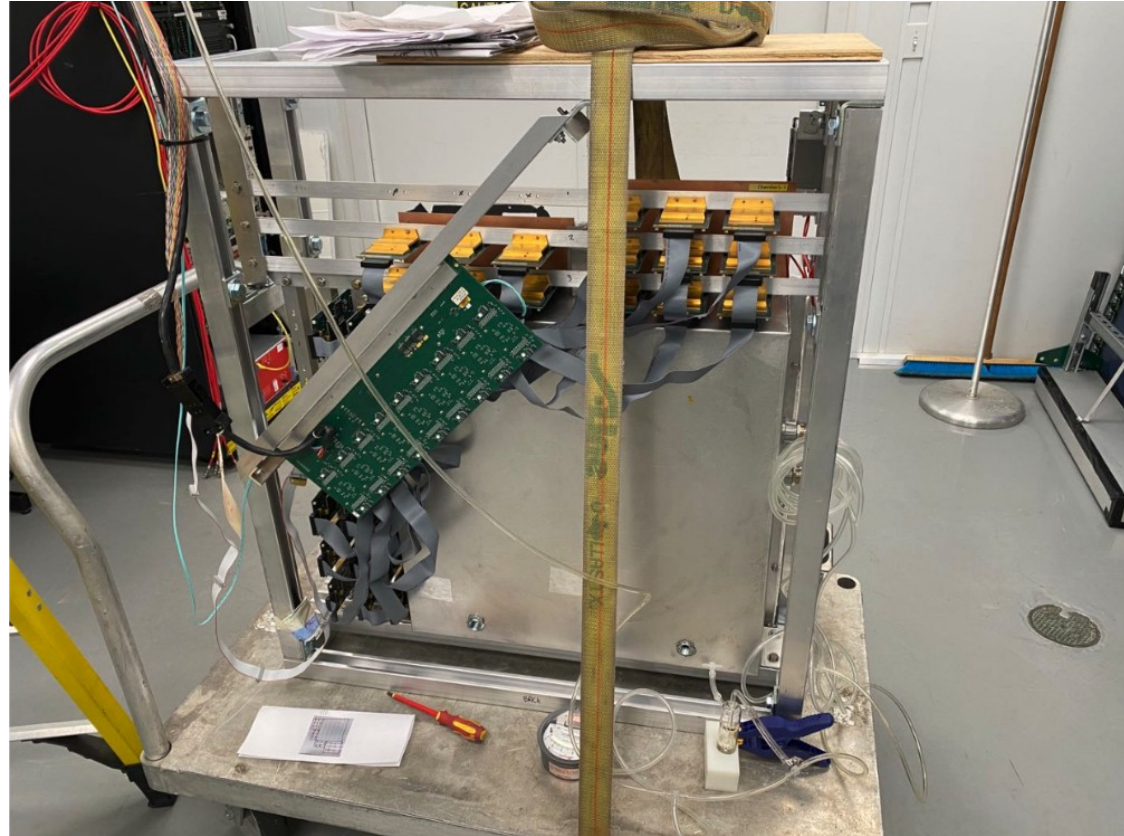
# 2021 30x30

- This year we returned to the 30x30 to test the new VMM chips with C10
- Goal: see a clear signal to compare to 2019
- Ultimately no signal seen above noise (see Zhen's talk <https://drupal.star.bnl.gov/STAR/event/2021/04/07/star-forward-stgc-meeting>)
- Ultimately we did manage to read and analyze the VMM data format



# 60x60 prototype

- 30 FEE cards, 1 RDO board
- Prashanth will talk about the gas system/ tests
- Tonko took data without HV
- No cosmic rays, go straight to IR





# Run 21 plans

- As in 2019 David provided us with a control GUI
- Zhen tested this and could control it remotely
- We should be ready to test the stability of the detector in-beam
- Daniel will talk about QA plots

