



# HBD Update (brief!)

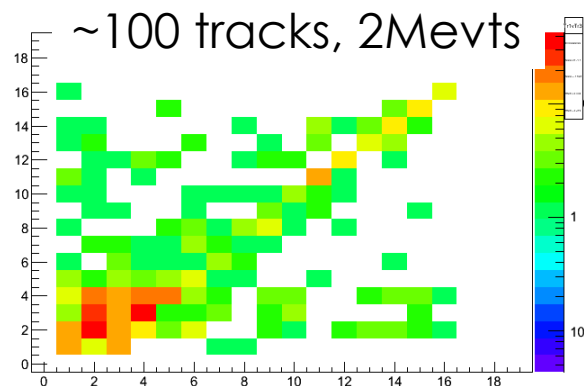
TK Hemmick

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# Spring Test: VERY few tracks

- Avoiding the shadow of the local beam dump and other obstacles moved HBD out to about 40 degrees.
- Overwhelmingly 4-scintillator-trigger is false coincidence.
- Actual coincidence is pion dominated.
- New algorithms for noise suppression recover majority of noisy events.

Frodo and the One Ring



Thomas' Ring?

# EIC R&D Panel

- Tracking/PID “consortium” requests \$794,365 over two years.
- SoLID Collaborators: (shared postdoc)
  - Stony Brook University, (TKH...) \$153,404
  - University of Virginia, (Nilanga, Kondo, ...) \$107,580
  - Thomas Jefferson National Lab (Alexandre) <stuff>
- ONLY major request recommended for full finding.
- Fiscal Year Phase trouble:
  - Year One \$\$\$ split over fiscal year (October).
  - Invest mostly in new Postdoc until October.
- **NOTE: EIC designs have light & heavy Fwd RICH.**
- **No one is yet funded for heavy RICH R&D.**

# Beam @...DESY?

- Want a beam instead of scattered \*(@)!
- Options:
  - DESY (electrons, good access)
  - CERN (mixed beam, good access)
  - SLAC (electrons, poor access)
- Shipping a live CsI-GEM???
- Jeb Ferrucci: Fed Ex “Custom Critical”.
- Changes:
  - Segmented GEM to eliminate failures.
  - Detect Trips w/ capacitively coupled chain.
  - Hex-shaped pads & new software.



**GS: Stephanie Zajac**



**UGS: Marie Blatnik**

# Mirror Makers

- Big Mac Chamber:
  - 8' diameter
  - 6' tall
- Currently:
  - Completed clean-out of “scattering stuff”.
  - Repaired large cryo-pump
  - $2 \times 10^{-6}$  Torr
- Orders for electron gun, power supply, thickness monitor, etc... must wait for fiscal year boundary.

