

## MEASURING AIR SHOWER SPEEDS WITH THE HIRES FLUORESCENCE DETECTORS

**HiRes Collaboration**

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Using the HiRes stereo fluorescence detectors, the three-dimensional geometry of an extensive air shower may be found without assuming the shower is traveling at  $c$ . Since speed is not a constraint, it can be measured. The method can be tested on pulsed "flashers" and lasers where the geometry (and speed) is known. A preliminary measurement of shower speeds will be presented. This technique is also sensitive to objects which do not travel at  $c$ .