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## **Dual-readout calorimetry - excellent precision for ALL particles, and NO calibration issues**

*Friday 19 July 2013 10:00 (15 minutes)*

Simultaneous detection of the Cherenkov light and

scintillation light produced in hadron showers makes it possible to measure the electromagnetic shower fraction event by event and thus eliminate the detrimental effects of fluctuations in this fraction on the performance of hadron calorimeters.

In the RD52 (DREAM) project, the possibilities of this dual-readout calorimetry are investigated and optimized. In this talk, the latest results of this project will be presented.

These results concern beam tests of the new full-scale Dual-Readout fiber calorimeter that were recently carried out at CERN.

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