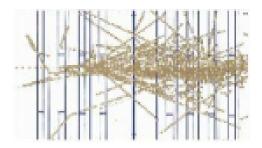
## **Calor 2008**



ID contributo: 23 Tipo: oral presentation

## **Tests of a Digital Hadron Calorimeter**

## **Summary**

## The CALICE Collaboration

We present the concept of a Digital Hadron Calorimeter (DHCAL) for use in a detector optimized for the application of Particle Flow Algorithms to the measurement of jet energies. Resistive Plate Chambers (RPCs) with 1 x 1 cm $^2$  readout pads are used as active elements. The front-end electronic readout is integrated on the pad-boards of the chambers. We report on detailed measurements with a small scale prototype in the Fermilab test beam using muons, electrons, pions, and protons and in the laboratory using cosmic rays.

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Classificazione della track: New Techniques