

## Active Absorber Calorimeter

*Sunday, 12 March 2006 11:36 (18 minutes)*

This talk describes a calorimeter concept that will use cherenkov radiator plates to partially replace the metal plates in a conventional ILC hadron calorimeter design. The cherenkov radiator will have fine segmentations and will be readout by SiPMs. Energy and spatial information of the electromagnetic components in hadron showers can be measured. Combined with information from thin plastic scintillator or other detector materials, this active absorber calorimeter can potentially achieve good energy compensation for Hadron jets and an excellent jet energy resolution.

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**Session Classification:** Calorimetry and Muons

**Track Classification:** Calorimetry and Muons