



Contribution ID: 109

Type: oral presentation

Crystal Calorimeters in the Next Decade

Monday, May 26, 2008 5:50 PM (20 minutes)

Summary

Crystal calorimeter has traditionally played an important role in precision measurements of electrons and photons in high energy physics experiments. Recent interest in calorimeter technology with dual readout extends its application to measurement of hadrons and jets. Potential application of new generation scintillating crystals of high density and high light yield, such as LSO and LYSO, in high energy physics experiment will be elaborated. Candidate crystals for the proposed homogeneous hadron calorimeter will also be discussed.

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Session Classification: Calorimetric Techniques

Track Classification: Calorimetric Techniques