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Crystal Calorimetry for the Next Decade

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Crystal calorimeters have traditionally played an important role in precision measurements of electrons and photons in high energy physics experiments. Recent interests in calorimeter technologies extend their applications also to hadrons and jets. Potential applications of a new generation scintillating crystals of high density and high light yield, such as LSO/LYSO, in high energy physics experiments are described. Candidate crystals for a homogeneous hadron calorimeter detector concept are also discussed.

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