

Imaging calorimeters for future experiments

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In the past decade, advances in particle detection technology and micro-electronics integration have led to the development of highly granular calorimeters, able to produce detailed images of electromagnetic and hadronic showers. These capabilities can be used to reconstruct charged and neutral particles individually even in the the dense environment of jets produced at present and future high energy collider experiments. The talk will give an overview on the concept, the technological developments and the results obtained in test beam experiments.