

## Direct Readout of the Scintillator Tile by Silicon Photomultiplier

The method and results of the direct readout of the Hadron Calorimeter Scintillation Tiles by Silicon Photomultiplier will be presented. First results of mathematical simulation of the scintillator tile with silicon photomultiplier on base Geant4.

The preliminary results of the cosmic signal with scintillator tile 3x3 cm and 5 mm thickness and Silicon photomultiplier with area 1x1 mm was measured. The results shown the good perspective of direct readout by silicon photomultiplier for the analog hadron calorimeter and semidigital scintillator/Fe calorimeter.

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