

Status of ASIC readout for the prototype Si-W electromagnetic calorimeter

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In this work the status of developed readout chain of prototype Electromagnetic Calorimeter for future Linear Collider experiment is presented.

The prototype of Electromagnetic Calorimeter developed base on silicon as a detector and tungsten as a absorber. For the fine granularity of the calorimeter, pixel size of 0.5x0.5 cm² silicon diode is optimized. There is a 36 channel, dual gain, low noise and low power consumption ASIC chip readout has been developed to readout of silicon detector .

Author: GULIYEV, Elmaddin (Ecole Polytechnique)

Presenter: GULIYEV, Elmaddin (Ecole Polytechnique)

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