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# Design of Readout Electronics for CEPC Semi-Digital Hadronic Calorimeter Pre-research

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This research is intended to provide a feasible readout system for high granular Semi-Digital Hadronic CALorimeter (SDHCAL) in the proposing high energy Circular Electron Positron Collider (CEPC). A system including readout pads array, Front-end Electronics Board (FEB) and Detector InterFace (DIF) board is designed and fully tested. This system is applied on a double layers GEM detector. The effective area of GEM detector is  $30 \, \mathrm{cm} \times 30 \, \mathrm{cm} \times 30$ 

## Minioral

Yes

## **Description**

system

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