Design of analogue readout for Si charge detector on preACCESS-CREAM

현성윤[1], 민경욱[1], 박환배[2], 박일흥[3], 손재현[3], 양종만[3]

[1]KAIST. [2]경북대학교. [3]이화여자대학교

We design and prototype analog frontend electronics of the silicon charge detector (SCD) which are under construction for the CREAM experiment. The board contains a CR1.4 chip which reads out 16 channels of silicon pixels, preamplify, shape, and multiplex to the digital readout system. We present a preliminary result on the performance of the prototype board.