

Evolution of DAPHNE Front-end Board from V1 to V3

Saturday 30 September 2023 10:00 (20 minutes)

This talk presents the evolution of the DAPHNE Front-end board, designed for the DUNE Photon Detection System (PDS), from its initial conception during 2019-2020, its development process taking into account the characteristics of the PDS, the fabrication and tests of the V1 during 2021, the results of the operation of this version and the redesign process to obtain the V2 during 2022, board currently in operation for the ProtoDUNE II at CERN and finally the work during 2022-2023 to redesign DAPHNE according to the tests results, to finally get the V3 with significant technical improvements

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