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Status of the magnetized neutrino detector Baby-MIND

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Magnetized Iron Neutrino Detector (Baby-MIND) is Muon Range Detector (MRD) for WAGASCI experiment in T2K.

The Baby-MIND modules are composed of magnetized iron and the long plastic scintillators bars which are read out with wavelength shifting (WLS) fibers. Event reconstruction resides in selecting tracks above the certain threshold in length. Analyzing the vertex allow us to reconstruct the hadronic component of interactions.

New frontend board CITIROC was created for readout of Baby-MIND. The bar elements and frontend board were tested with cosmic rays and on with beam at T9 CERN the results are reported.

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