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Research and Development of the VHMPID detector for ALICE experiment

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The Very High Momentum Particle Identification (VHMPID) detector represents a possible upgrade for the ALICE experiment at LHC. It has been conceived to extend hadron identification on a track-by-track basis in 5 GeV/c $<$ p $<$ 25GeV/c momentum range. The VHMPID is a ring imaging Cherenkov detector with pressurized gaseous radiator coupled to CsI-based photon detector. We will present the detector development status and some results from the beam tests at PS, CERN.

Keywords

VHMPID

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