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ALICE-ITS Pixel Chip Test-system at Pusan National University

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The ALICE (A Large Ion Collider Experiment) is a general purpose experiment dedicated to the study of heavy ion collisions at the LHC. The main goal of the ALICE-ITS (Inner Tracking System) upgrade project is to improve the vertexing and the tracking capabilities at low p_T according to projected luminosity at LHC. The new ITS is, therefore, based on the latest silicon pixel technology and designed to raise the data taking rate with new readout system and to reduce the pixel size and the material budget. We construct a pixel chip test system at Pusan National University to measure the characteristics of the pixel chips. We present some results of the prototype pixel chip.

Primary authors: Mr LIM, Bong-Hwi (Pusan National University(KR)); YOO, In-Kwon (Pusan National University (KR)); KIM, Jiyoung (Pusan National University (KR)); CHOI, Kyungeon (Pusan National University (KR))

Presenter: KIM, Jiyoung (Pusan National University (KR))

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