Contribution ID: **115** Type: **oral**

Recent Update on Trigger and Data Acquisition System of PandaX-II Experiment

Thursday, 25 May 2017 17:24 (18 minutes)

PandaX-II is direct dark matter search experiment, operating a half-ton scale dual-phase xenon Time Projection Chamber, located at China Jinping Underground Laboratory. Signals from the detector are recorded by 158 photomultipliers, which are then digitized and recorded by commercial flash ADC waveform digitizers. In this paper we present PandaX-II trigger and data acquisition system, focusing on recent update with a FPGA-based trigger system and multithread readout.

Primary author: WU, Qinyu (SJTU)

Co-author: YANG, Yong (Shanghai Jiao Tong University)

Presenter: WU, Qinyu (SJTU)

Session Classification: R3-Trigger and data acquisition systems(5)

Track Classification: Trigger and data acquisition systems