



中国科学院高能物理研究所

Institute of High Energy Physics Chinese Academy of Sciences

Beta source test for TaichuPix3 FLEX BOARD

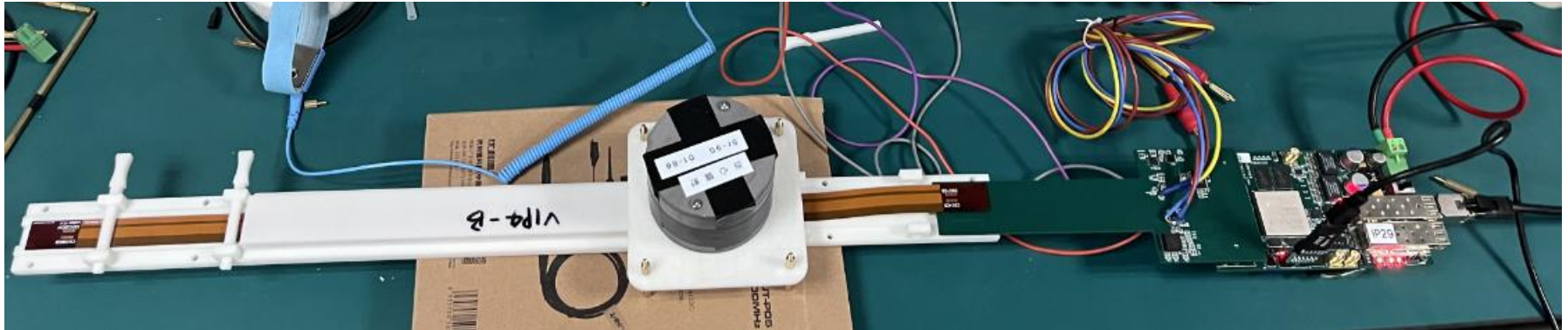
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2023.02.23



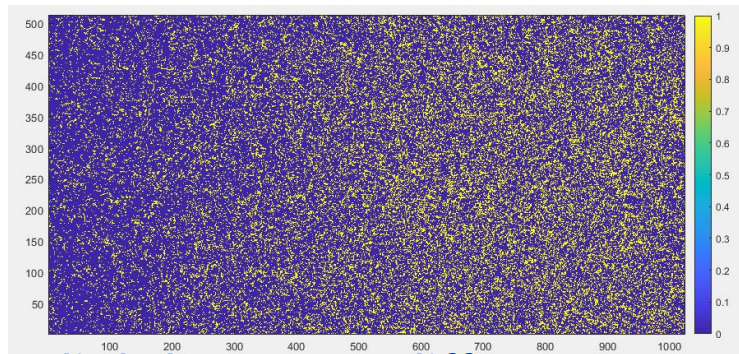
Circular Electron Positron Collider



Test for U10 on V1P4-B

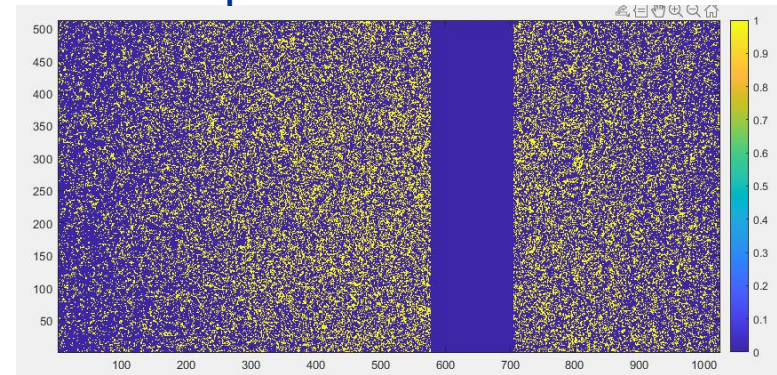


- ITHR = 224;
- Power Status: 12V/0.385A ;
- Readout phase: 0.356-0.385A
- CLK=15.625MHz



30mins later

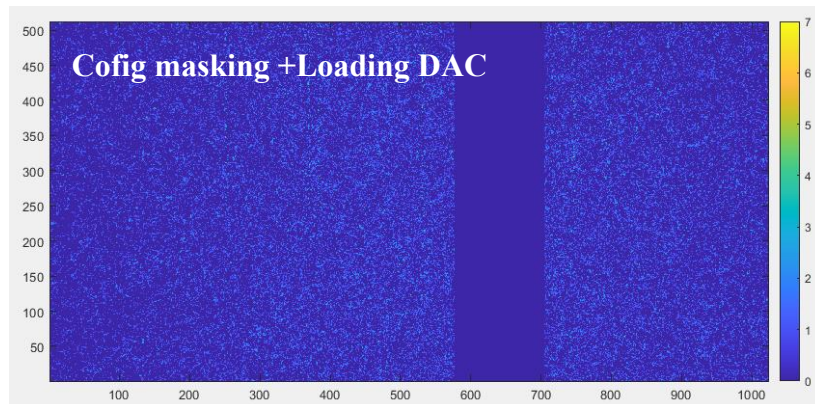
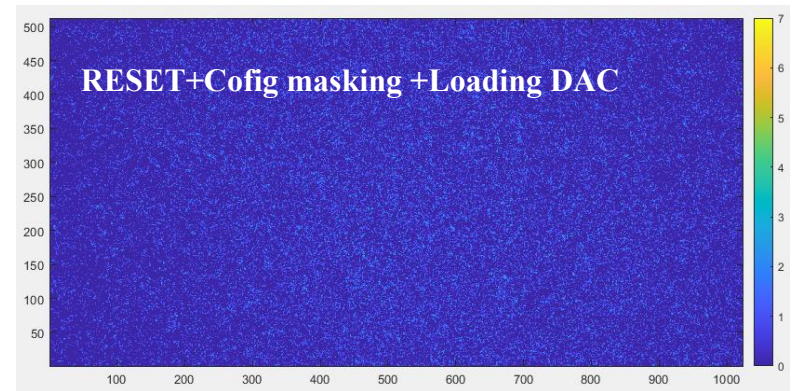
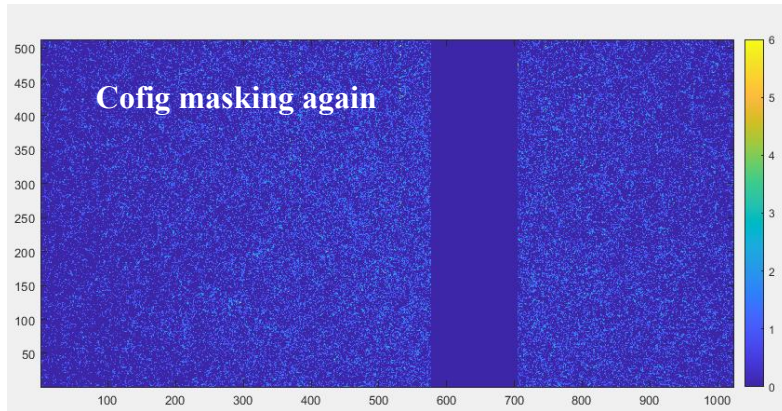
Power Status: 12V/0.389A ;
Readout phase: 0.359-0.374-0.389A



A slightly current difference, 4 mA increasing, this may from the running temperature, since no cooling here. 1 hours later, it goes to 0.393A



Try to fix via configuration



- Only reset make sense to recover the readout data.
- Reset will clean timesatamp; configuration on pixel array; buffers; serializer interface.



Thanks for your attention!

