A cosmic ray readout system for qualifications of small-strip Thin Gap Chambers of the ATLAS Muon Spectrometer Phase-I upgrade

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System Development

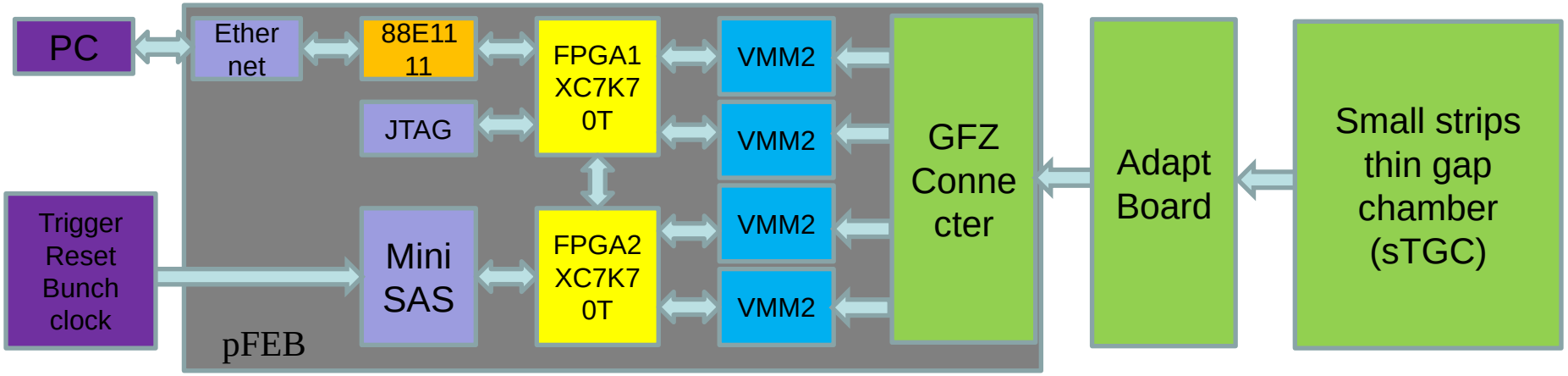


Fig.1 The block diagram of the cosmic ray readout system.

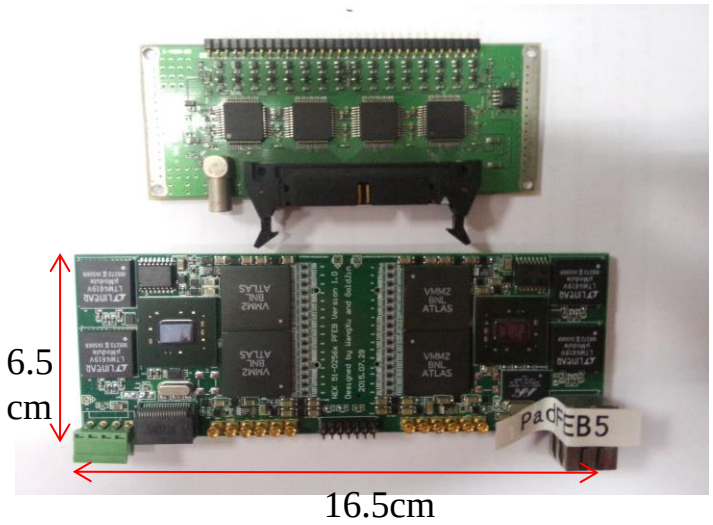


Fig.2 Photo of the pFEB

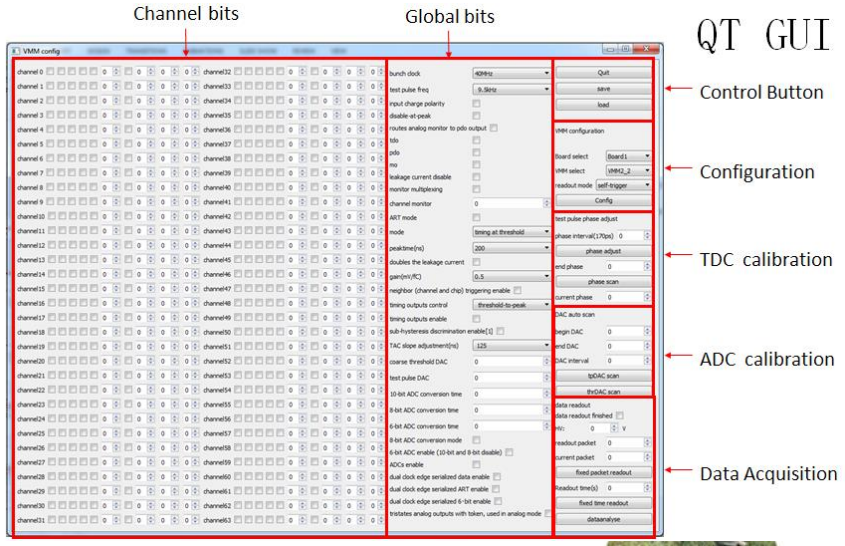


Fig.3 Interface of the host computer software

Experiment Results

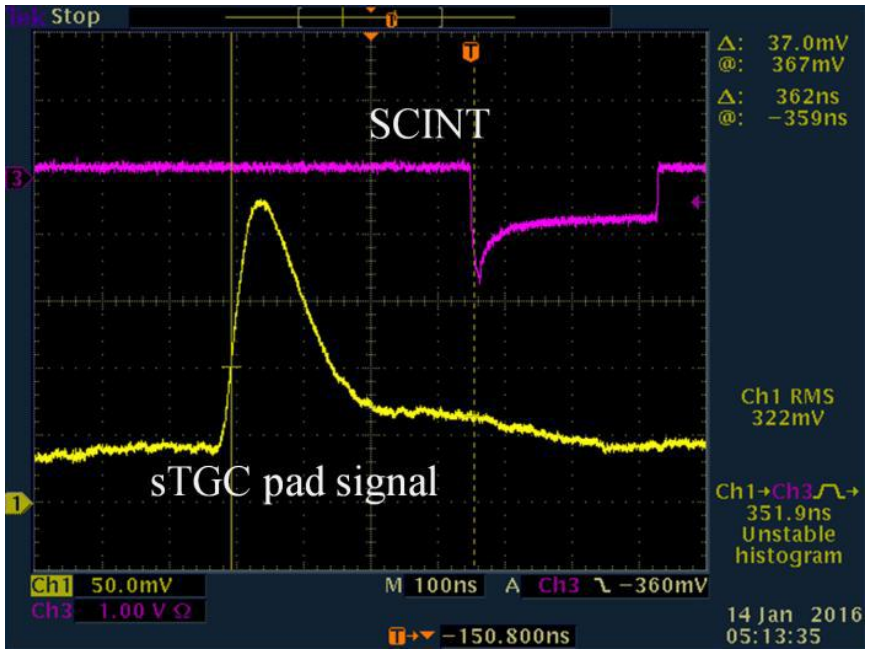


Fig.1 The analog signal of sTGC pads

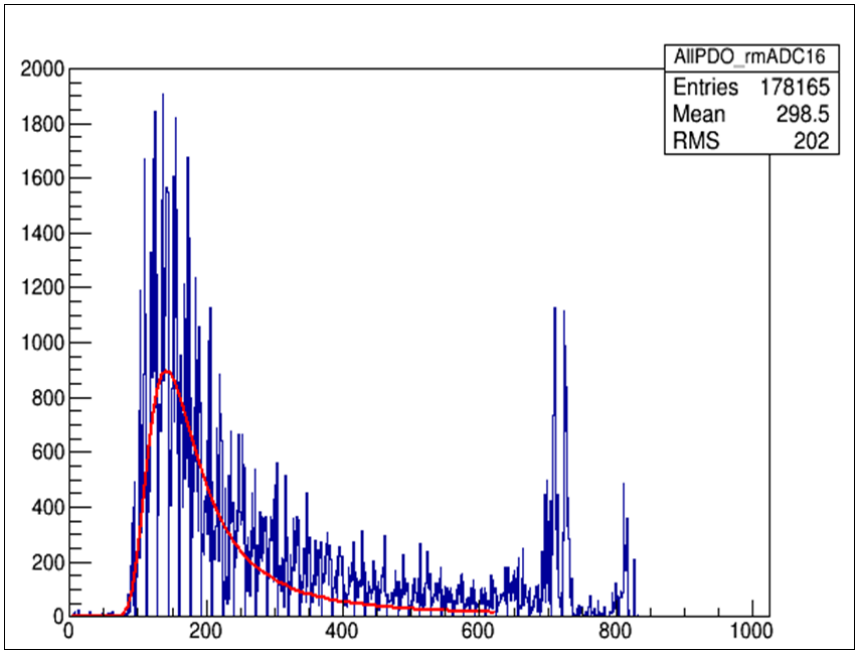
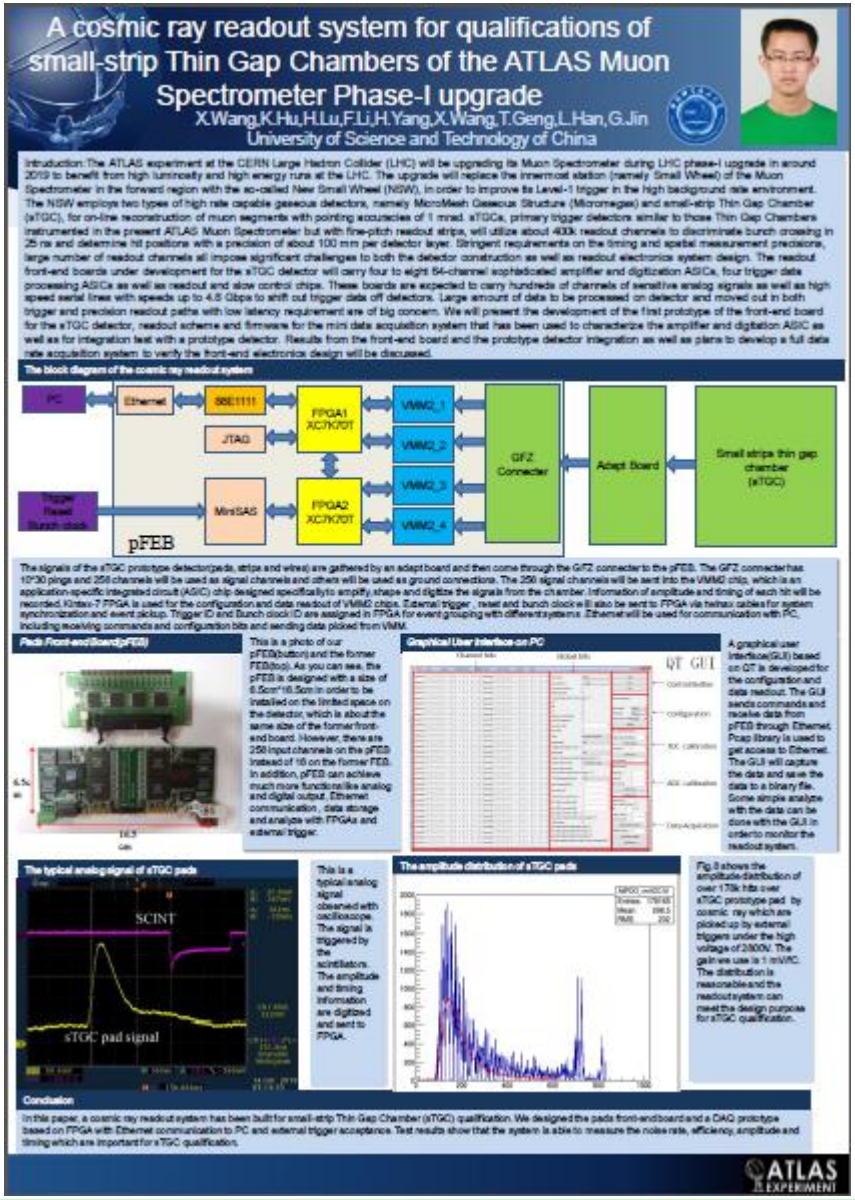


Fig.2 The charge distribution of sTGC pads signals



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