Status of ProtoDUNE-SP Performance Paper

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ProtoDUNE DRA Meeting

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First results on ProtoDUNE-SP LArTPC performance from a test beam run at the CERN Neutrino Platform

1 Introduction 1

2 The ProtoDUNE detector 3

3 H4-VLE Beam Line Instrumentation 4
- 3.1 Beam Line Instrumentation 4
- 3.2 Beam Line Simulations 5
- 3.3 Event Reconstruction and Particle Identification 5
  - 3.3.1 Momentum Spectrometer Technique/Calculation 6
  - 3.3.2 Particle Identification Logic 7
- 3.4 Integration into the ProtoDUNE-SP Analysis Framework 7

4 TPC characterization 8
- 4.1 TPC and Cold Electronics 8
  - 4.1.1 TPC 8
  - 4.1.2 Cold Electronics and Readout DAQ 10
- 4.2 TPC Data Preparation and Noise Suppression 12
  - 4.2.1 Pedestal evaluation 12
  - 4.2.2 Initial charge waveforms 13
  - 4.2.3 Sticky code identification 13
  - 4.2.4 ADC code mitigation 14
  - 4.2.5 Timing mitigation 14
  - 4.2.6 Tail removal 14
  - 4.2.7 Correlated Noise Removal (CNR) 16
- 4.3 Charge Calibration 17
- 4.4 TPC Noise Level 17
- 4.5 Signal Processing 21
- 4.6 Event Reconstruction 24
  - 4.6.1 Hit Finding 24
  - 4.6.2 Pattern Recognition with Pandora 25
- 4.7 Signal to noise performance 27
- 4.8 Electron Lifetime 29

5 Photon Detector characterization 33
- 5.1 The Photon Detector System 33
  - 5.1.1 Light Collectors 33
  - 5.1.2 Photosensors 34
  - 5.1.3 Readout DAQ and Triggering 35
  - 5.1.4 Photon Detector Calibration and Monitoring System 36
- 5.2 Photosensor Performance 37
  - 5.2.1 Single Photo-electron Sensitivity 38
  - 5.2.2 Signal to Noise in photosensors Passive ganging Configurations 40
  - 5.2.3 Light Calibration 40
  - 5.2.4 After pulses and cross talk 42
  - 5.2.5 Response stability over time 43
- 5.3 Photon Detector Performance 43
  - 5.3.1 Initial Comparison of Cosmic Muons to Simulation 45
  - 5.3.2 Efficiency 46
  - 5.3.3 Time Resolution 48

6 TPC Response 50
- 6.1 Imaging: beam and cosmic event display gallery 50
- 6.2 Space Charge Effects in ProtoDUNE-SP 52
- 6.3 Cosmic-ray muon-based calibration 57
  - 6.3.1 Charge calibration 57
  - 6.3.2 Energy scale calibration: 58
- 6.4 Calorimetric Energy reconstruction and Identification 60
  - 6.4.1 dE/dx versus residual range for 1 GeV/c beam protons 60
  - 6.4.2 Identification and calorimetric energy reconstruction of 1 GeV beam pions and muons 64
  - 6.4.3 dE/dx for 1 GeV/c positrons 66

7 Photon detector response 68
- 7.1 Calorimetric energy reconstruction from scintillation light and energy resolution 68
  - 7.1.1 Beam electrons and EM showers 68
  - 7.1.2 from high energy beam protons 71
- 7.2 Single photon rate 71

8 Conclusions 72

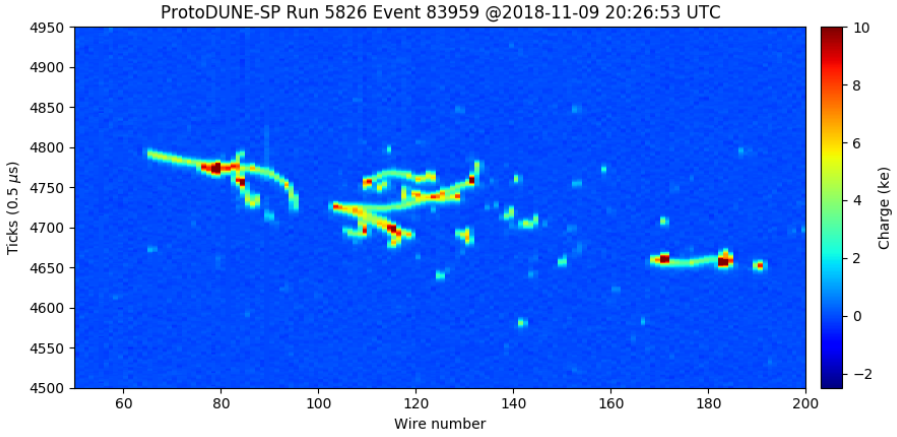
- First draft of ProtoDUNE-SP performance paper is almost ready.
- 74 pages and 59 figures.

Plan to move forward

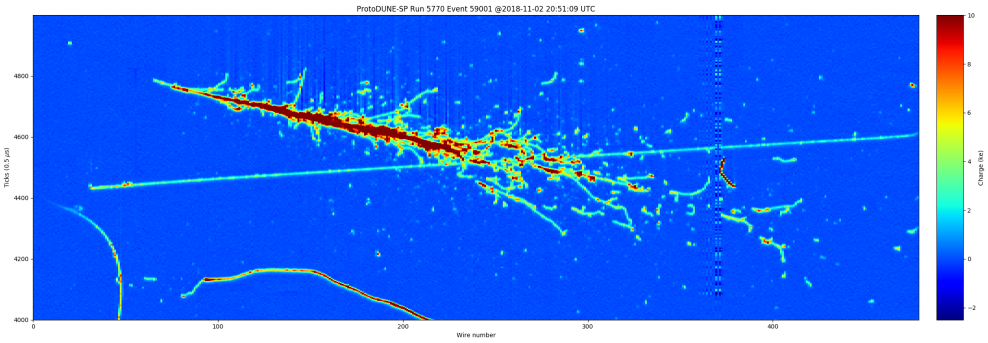
- We plan to start the group review of this paper this week.
  - The first draft will be uploaded to docdb
  - An email will be sent to the DRA mailing list with a link to the docdb entry and a deadline.
- We will assign two internal reviewers for this paper.
- Everyone in the DRA group is welcome to comment on the paper.
- We aim to finish the group review by the next collaboration meeting.
- The next steps would be ARC review and collaboration review.

Event displays in the paper

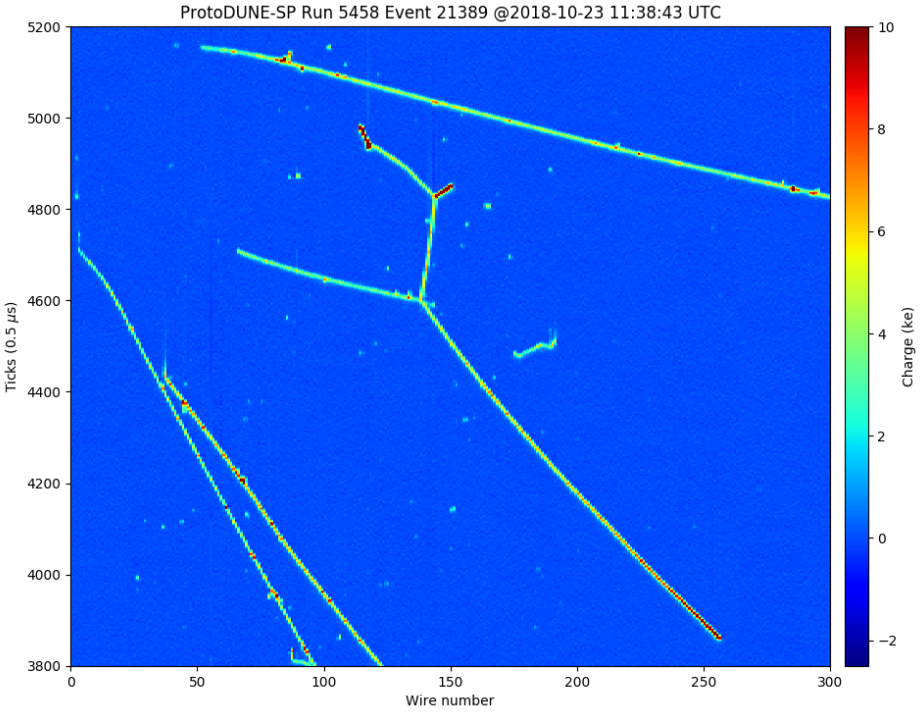
- Pengfei Ding (FNAL SCD) develop python code to make event displays.
- We made event displays after noise removal and normalize charge to ke.
- We selected several event displays to be included in the paper.



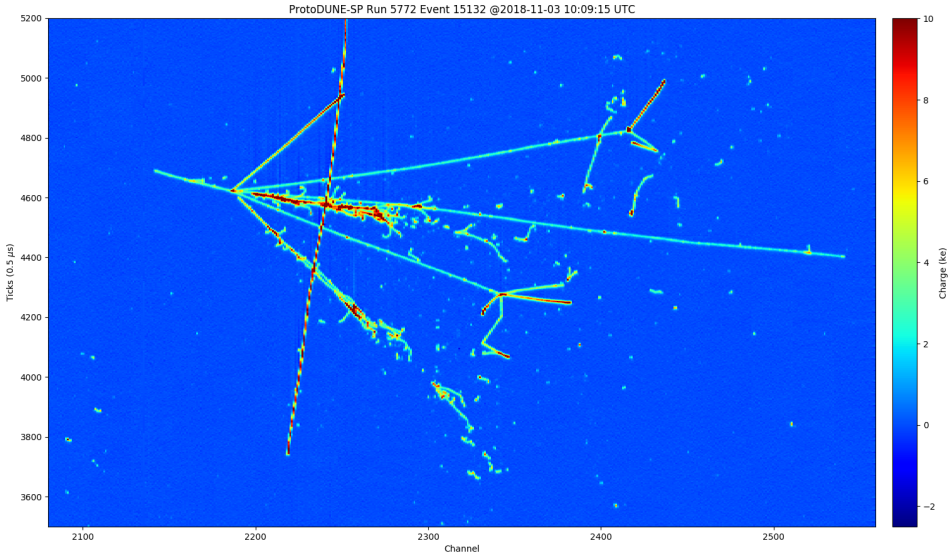
A 0.5 GeV/c positron candidate.



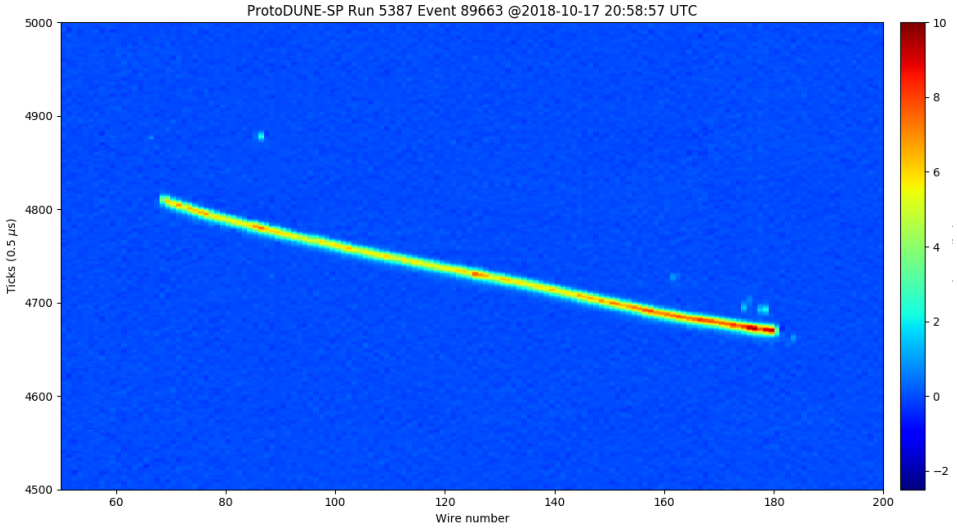
A 6 GeV/c positron candidate.



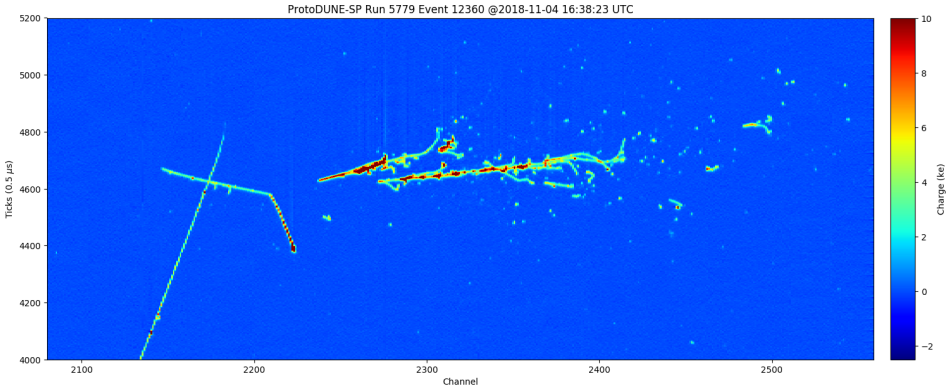
A 1 GeV/c pion candidate.



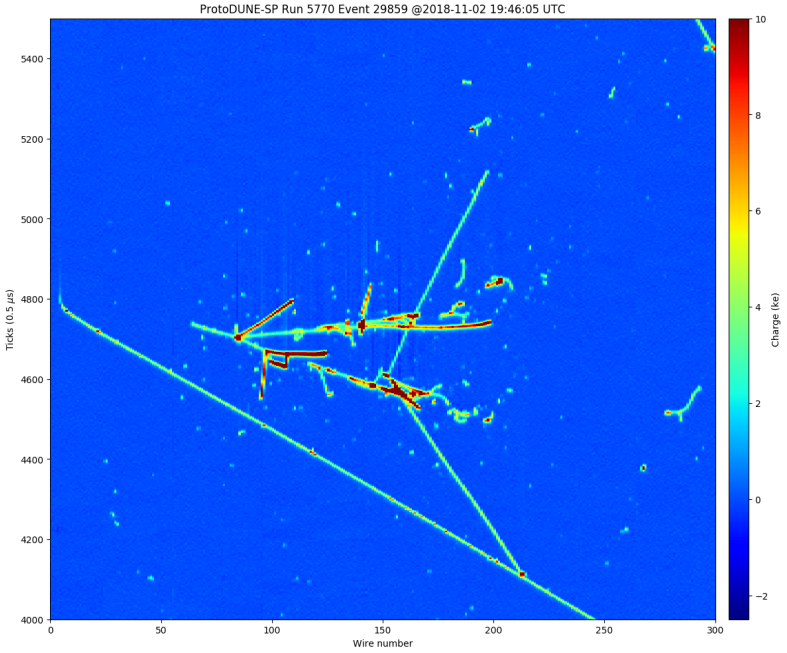
A 6 GeV/c pion candidate.



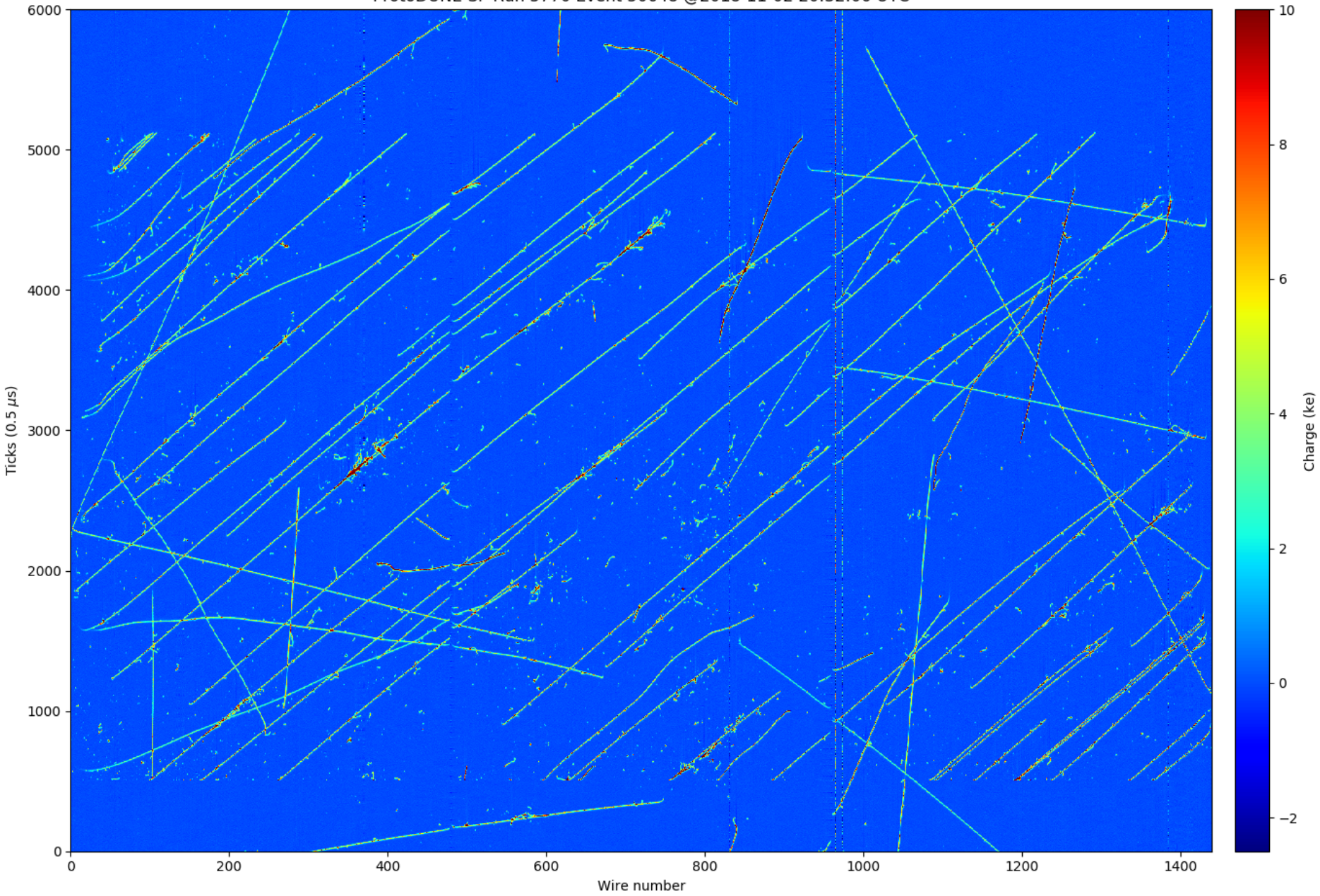
A 1 GeV/c stopping proton candidate.



A 2 GeV/c pion charge exchange candidate.



A 6 GeV/c kaon candidate.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