MWPC
Reco + Ana

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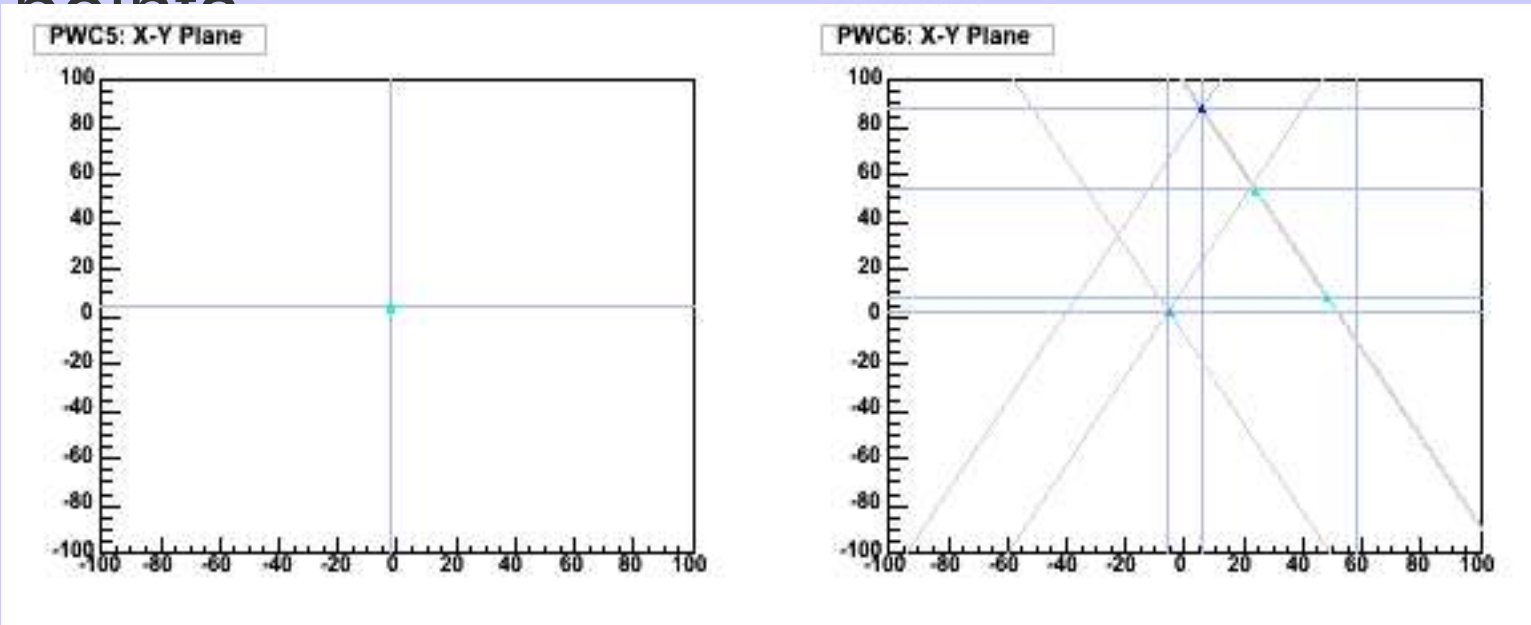
Overview

- Done:
  - MWPC space points.
  - Hot and Dead wire search (1st step)
- To Do:
  - Hot and Dead wire search (2nd step)
  - Test of MWPC geometry.
  - Tracking downstream of Rosie.
  - Position Resolution and Residuals.

Space point algorithm

- Find 2D wire intersections.
- Add additional wires to create 3D/4D points.
- Distinguish primary points from secondary points



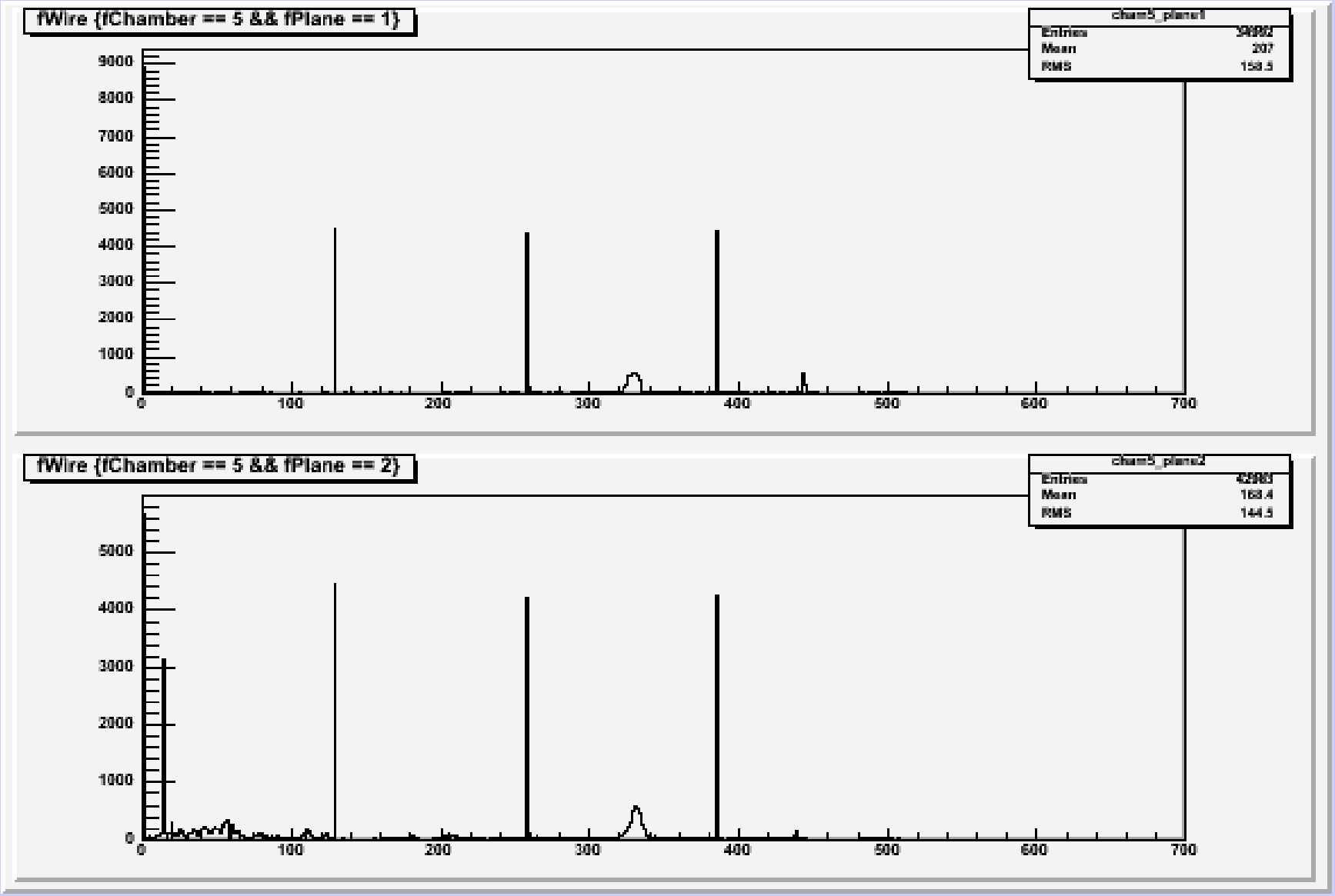
Hot and Dead Wires Search

Two step process:

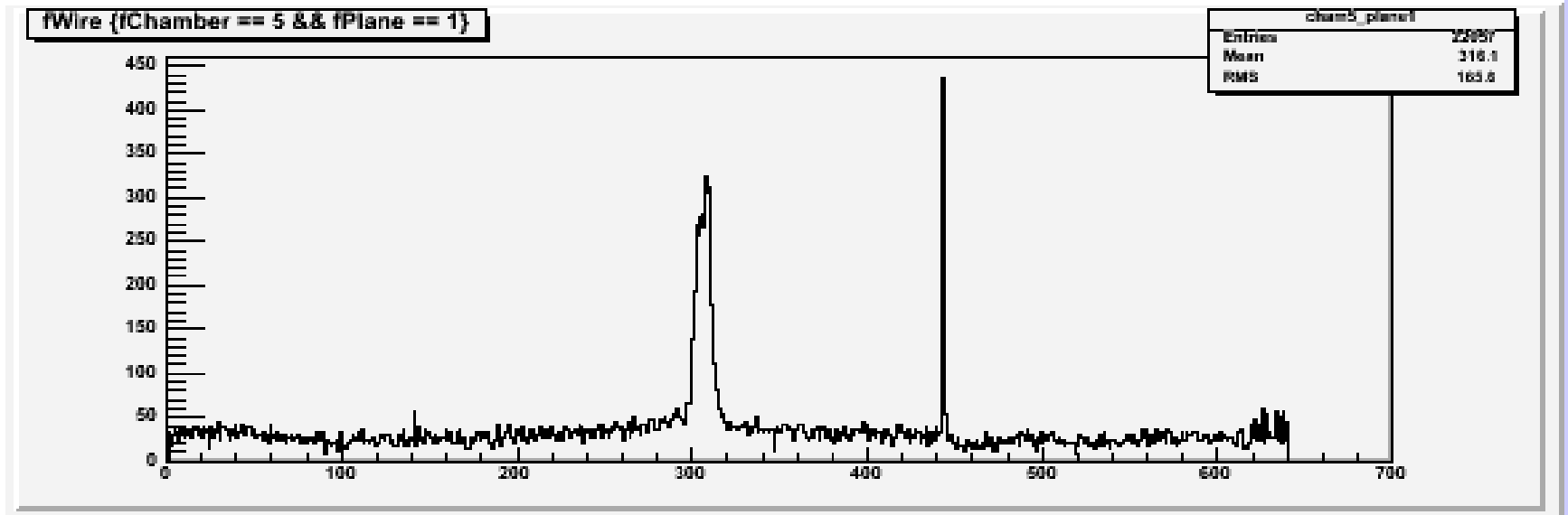
(1) Dump wire information into an n-tuple.

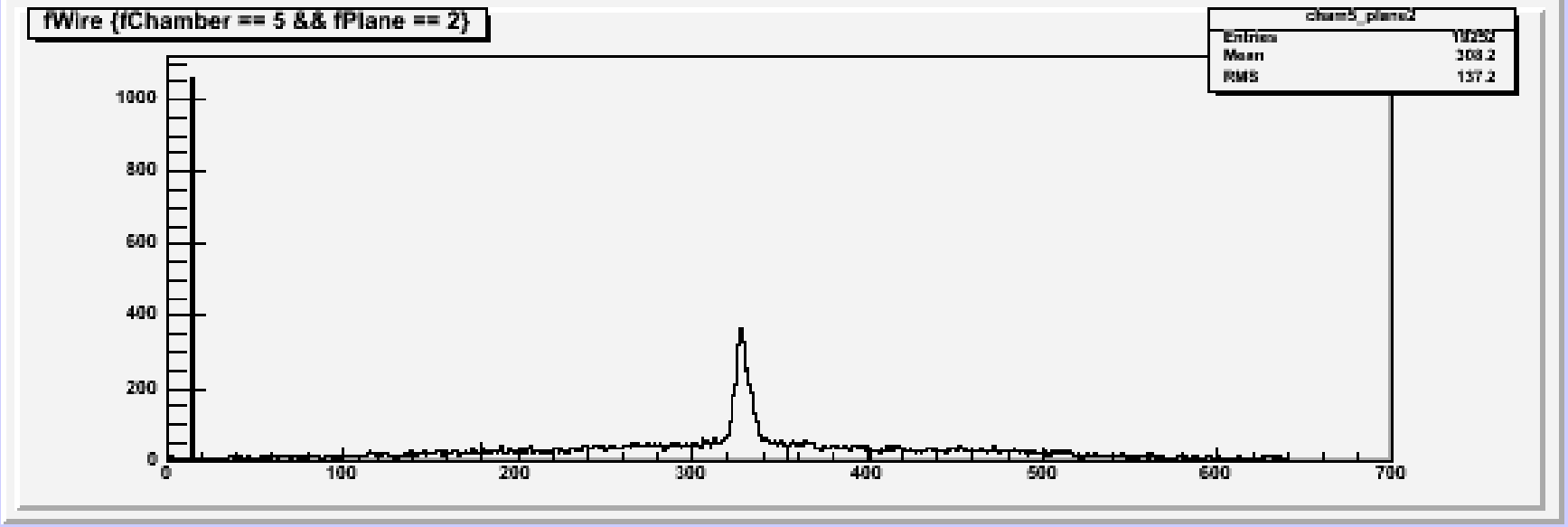
(2) Analyze the n-tuple for hot and dead wires and record in the DB.

MWPC5 (11504) 1D

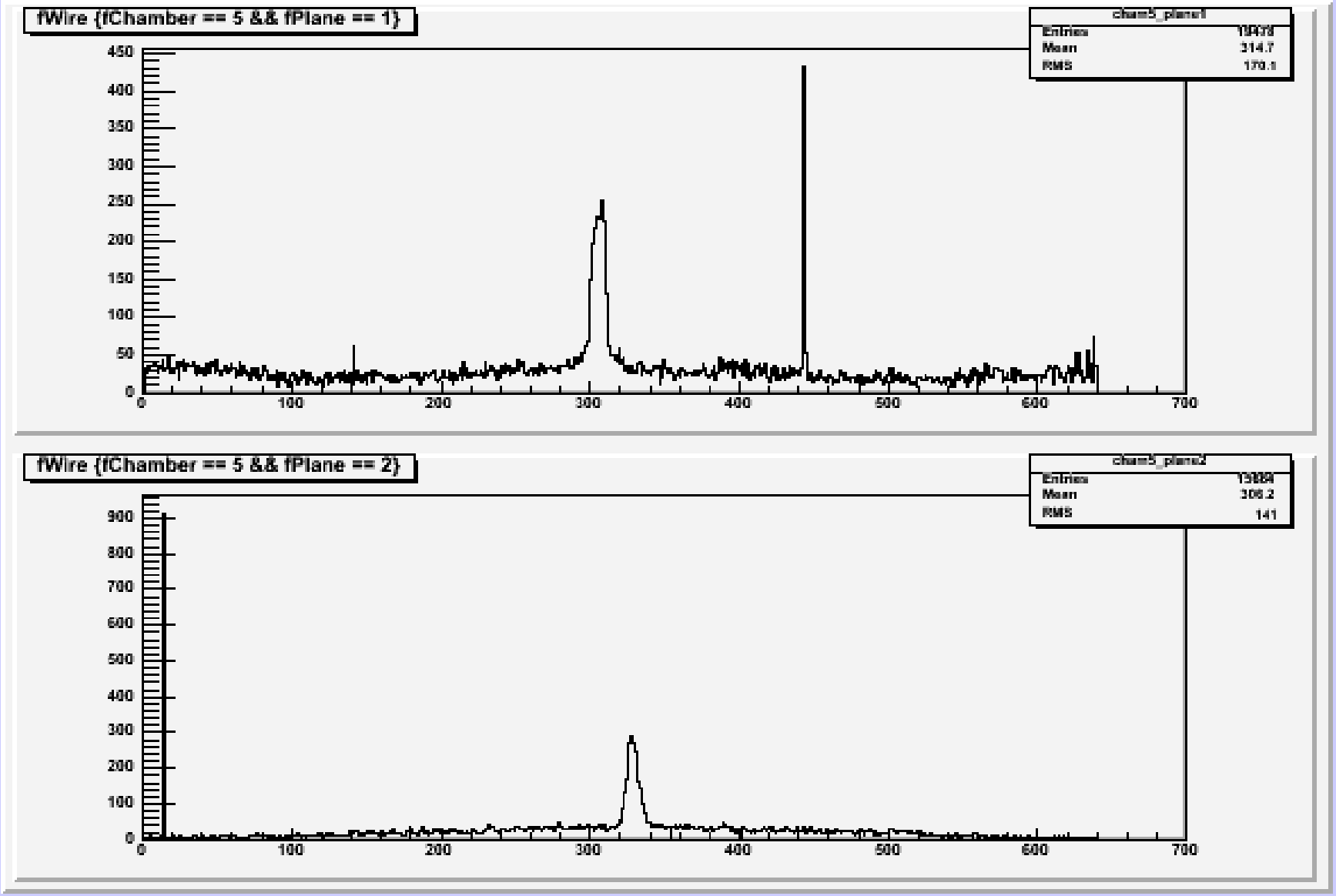


MWPC5 (11801) 1D

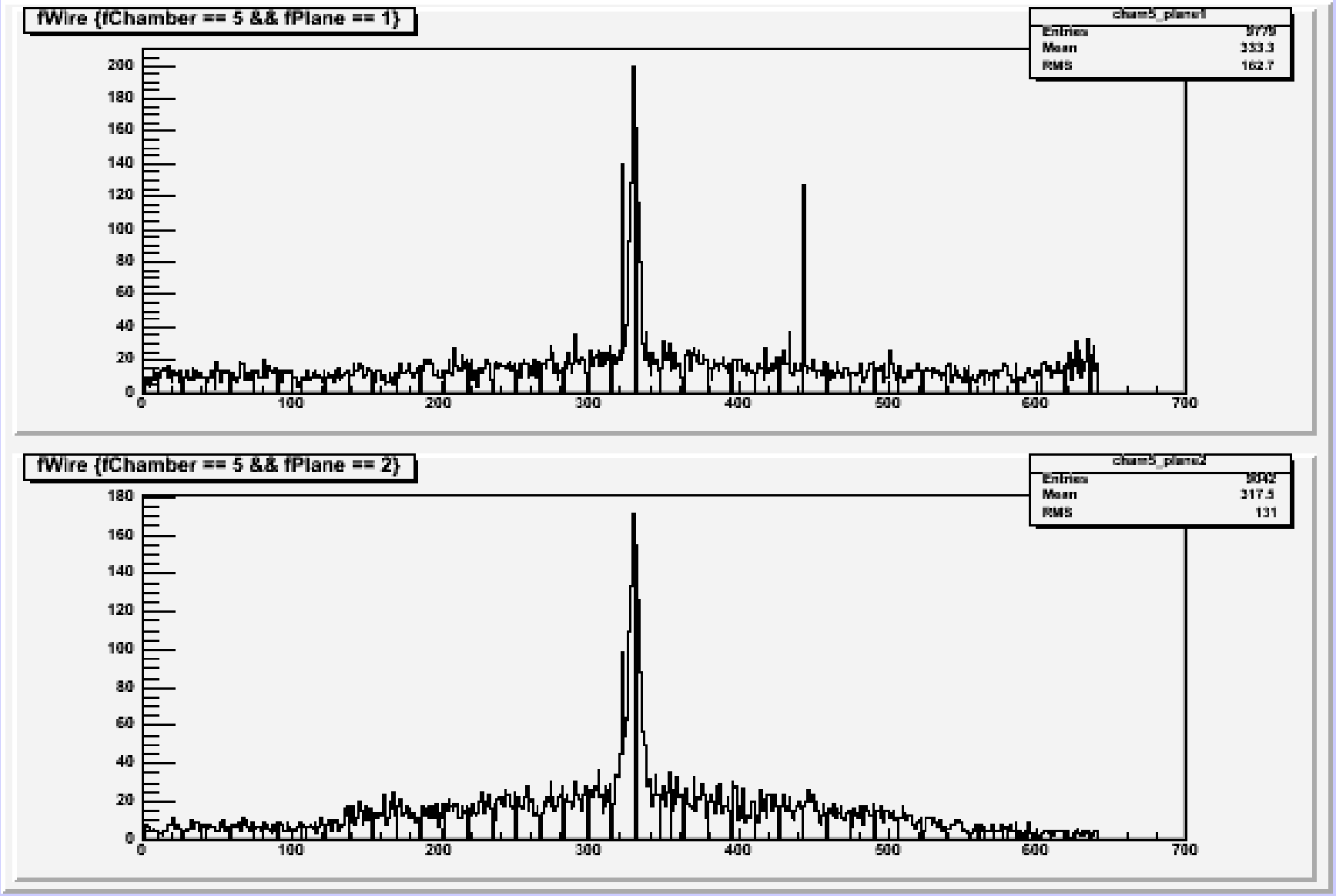




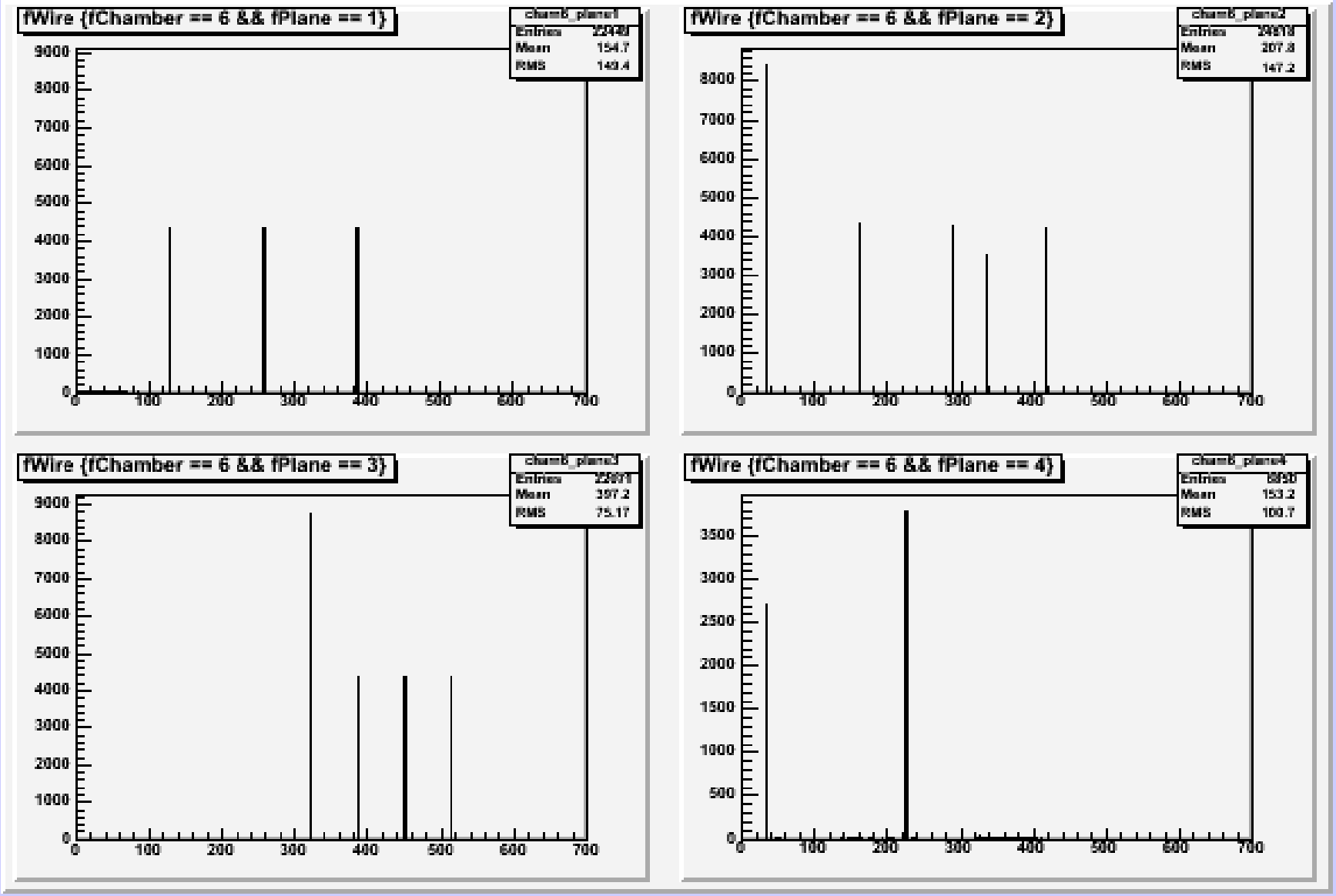
MWPC5 (11883) 1D



MWPC5 (12398) 1D



MWPC6 (11504) 1D



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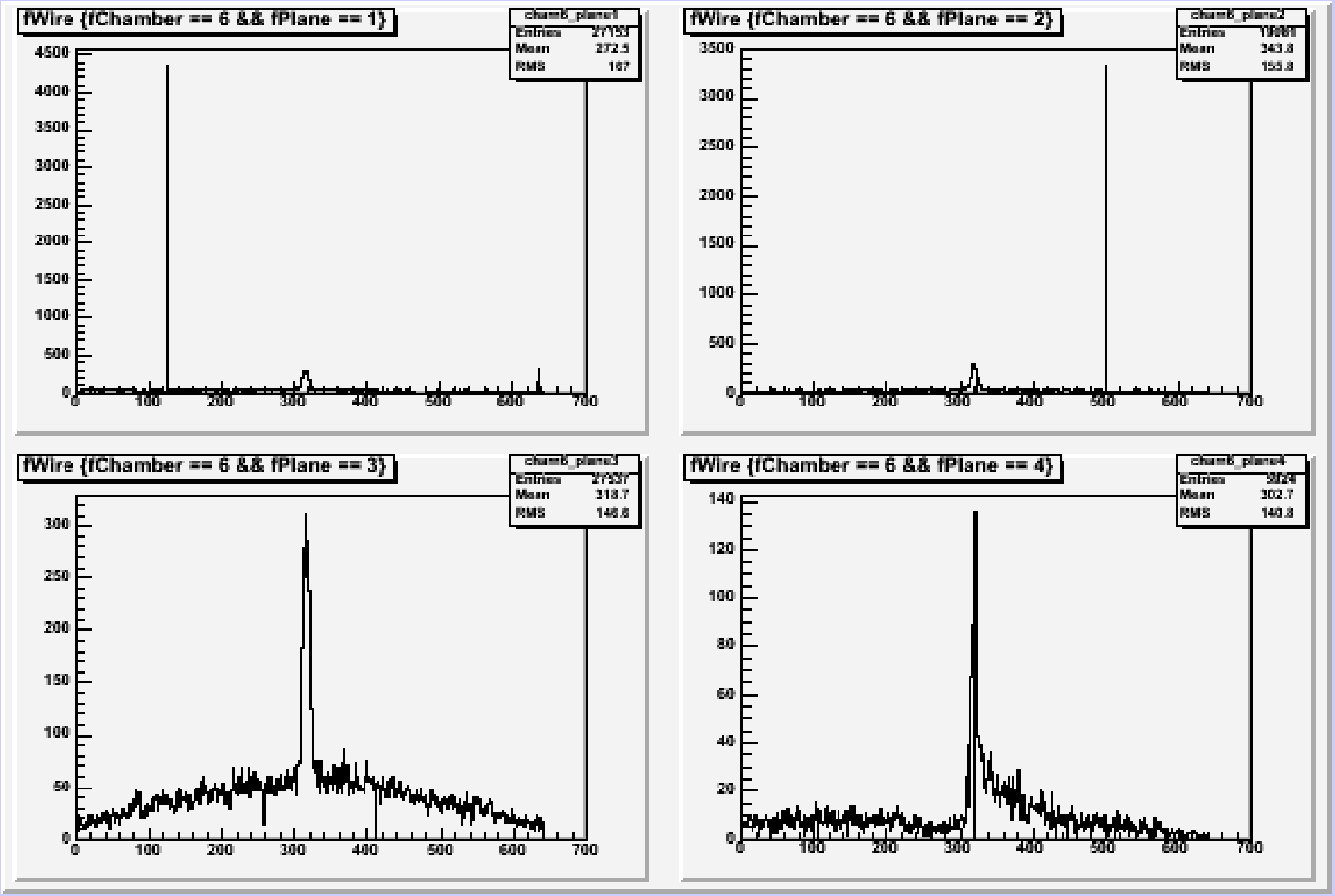

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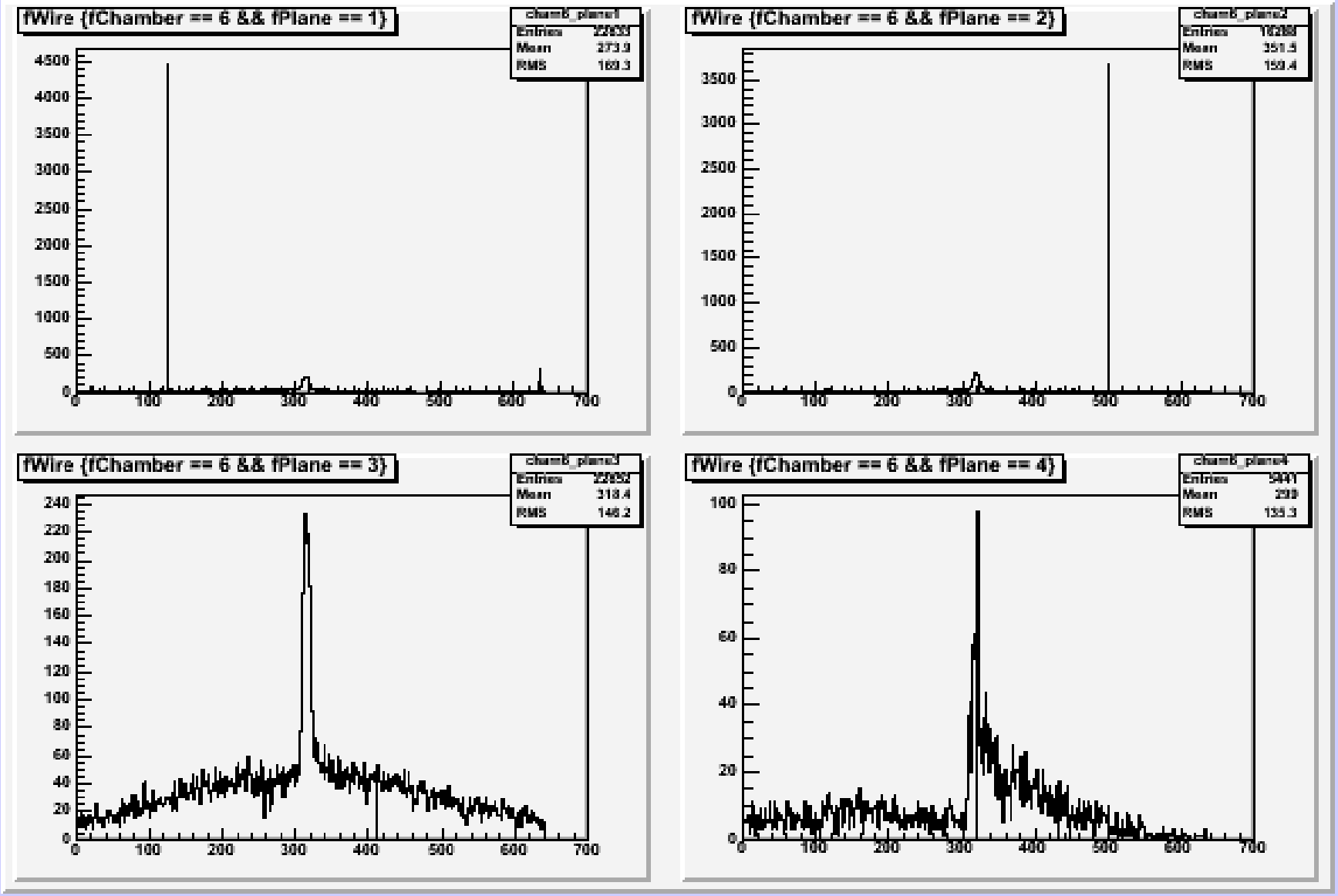

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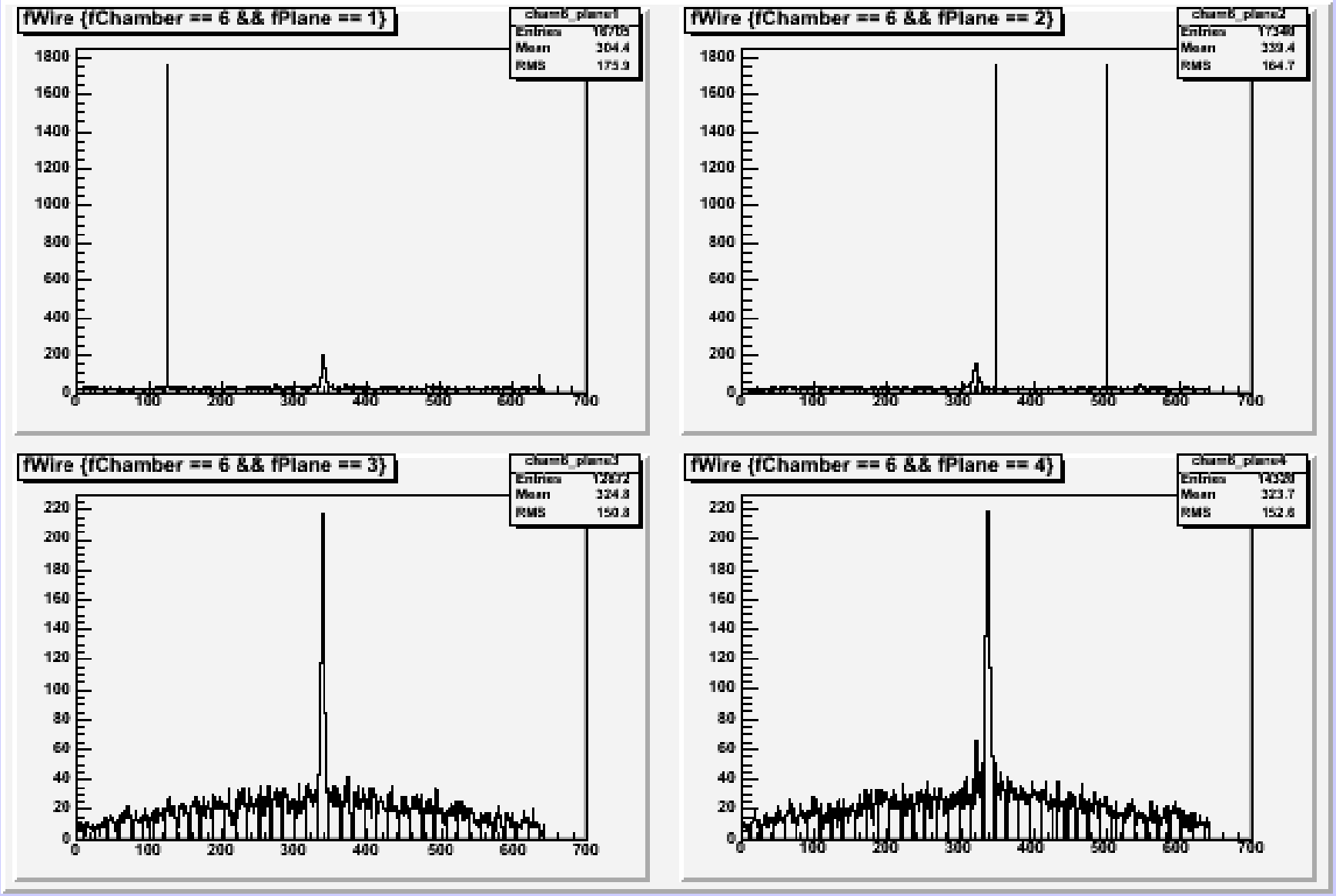

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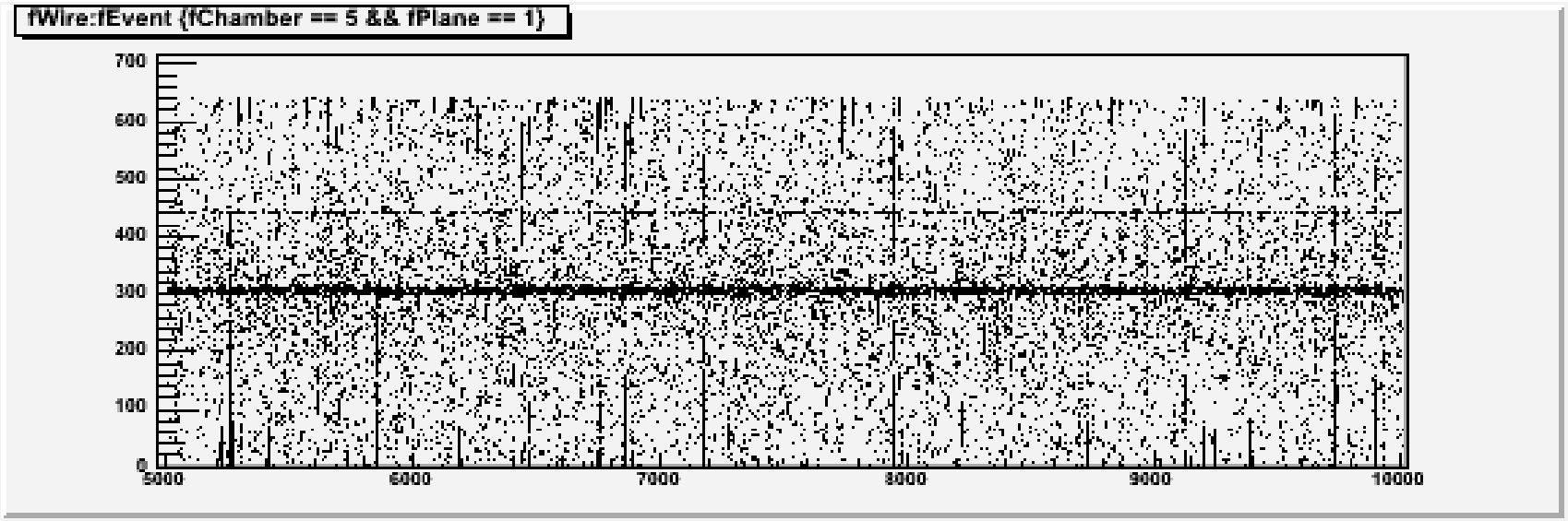

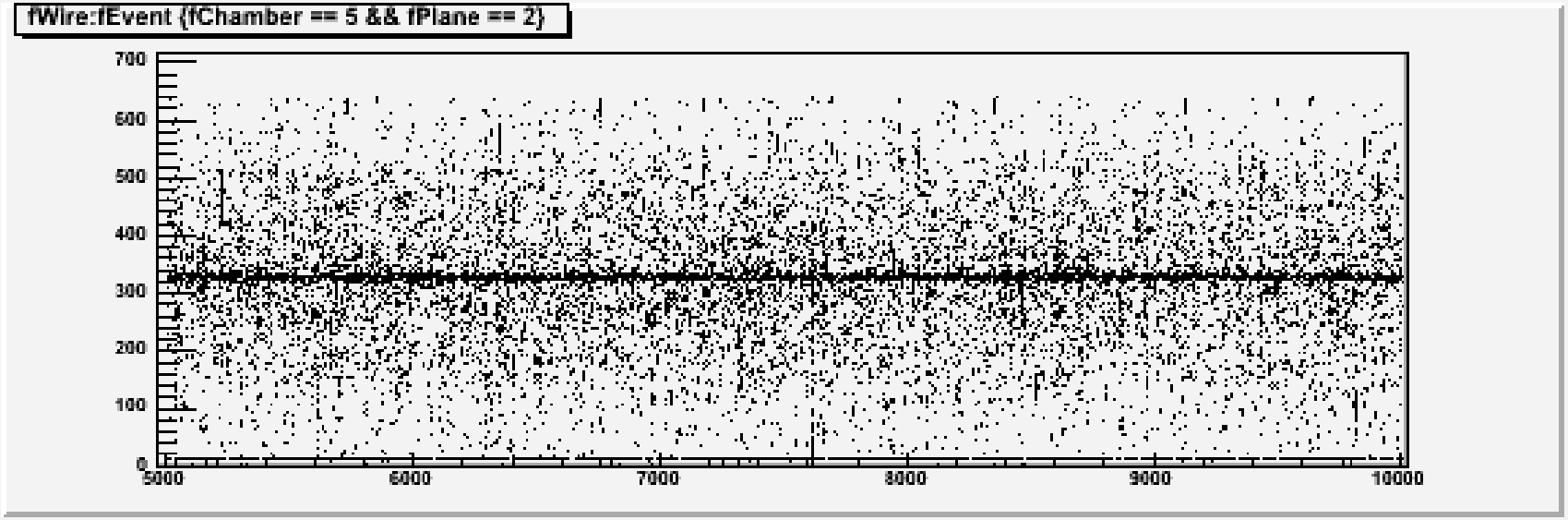

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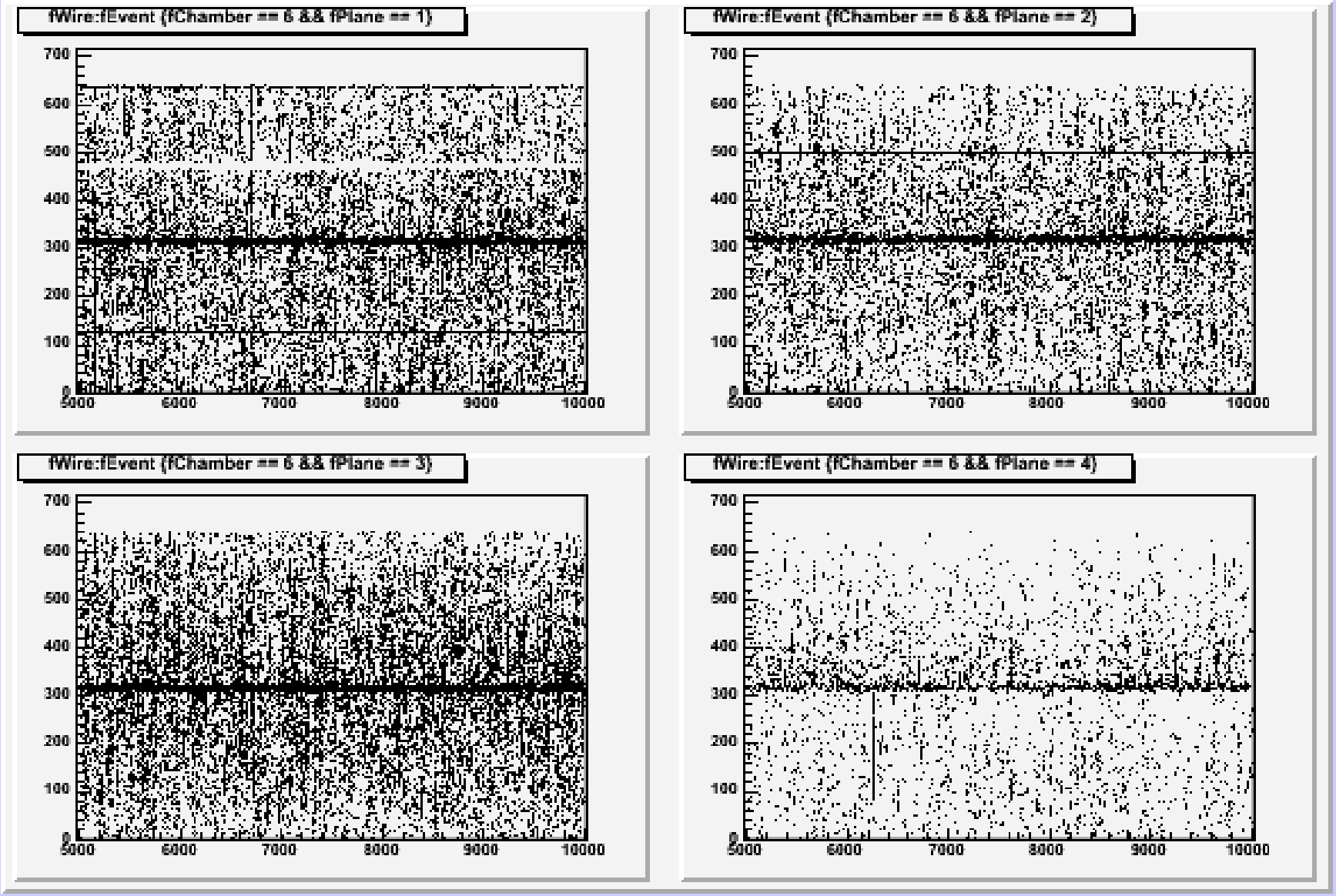

Near Future

- Bad Wires Search (2nd step)
- TrkRBase Framework
  - Enable Clustering
  - Standard Space Points (WireCrossing)
  - Make use of TrkRBase Wire class
- Track Reco for Chambers 4, 5 and 6
  - Position Resolution
  - Residuals