

CC π^+ events in nubar mode

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LSU

CC pi+ processes in antineutrino mode

- neutrino-nucleon



- neutrino-nucleus (coherent)



- Nuclear effect (charge exchange, absorption)
- NC pi+ (not a background)

CC pi+ events

CC pi+ box definition

- Number of Events >3 . First subevent must lie in the beam window\
- Number of tank hits > 175
- Number of veto hits <6 for first subevent.
- A tleast 2 subevents, and the first subevents must be Michel electron candidates $20 < \text{tank hits} < 200$

CC pi+ events

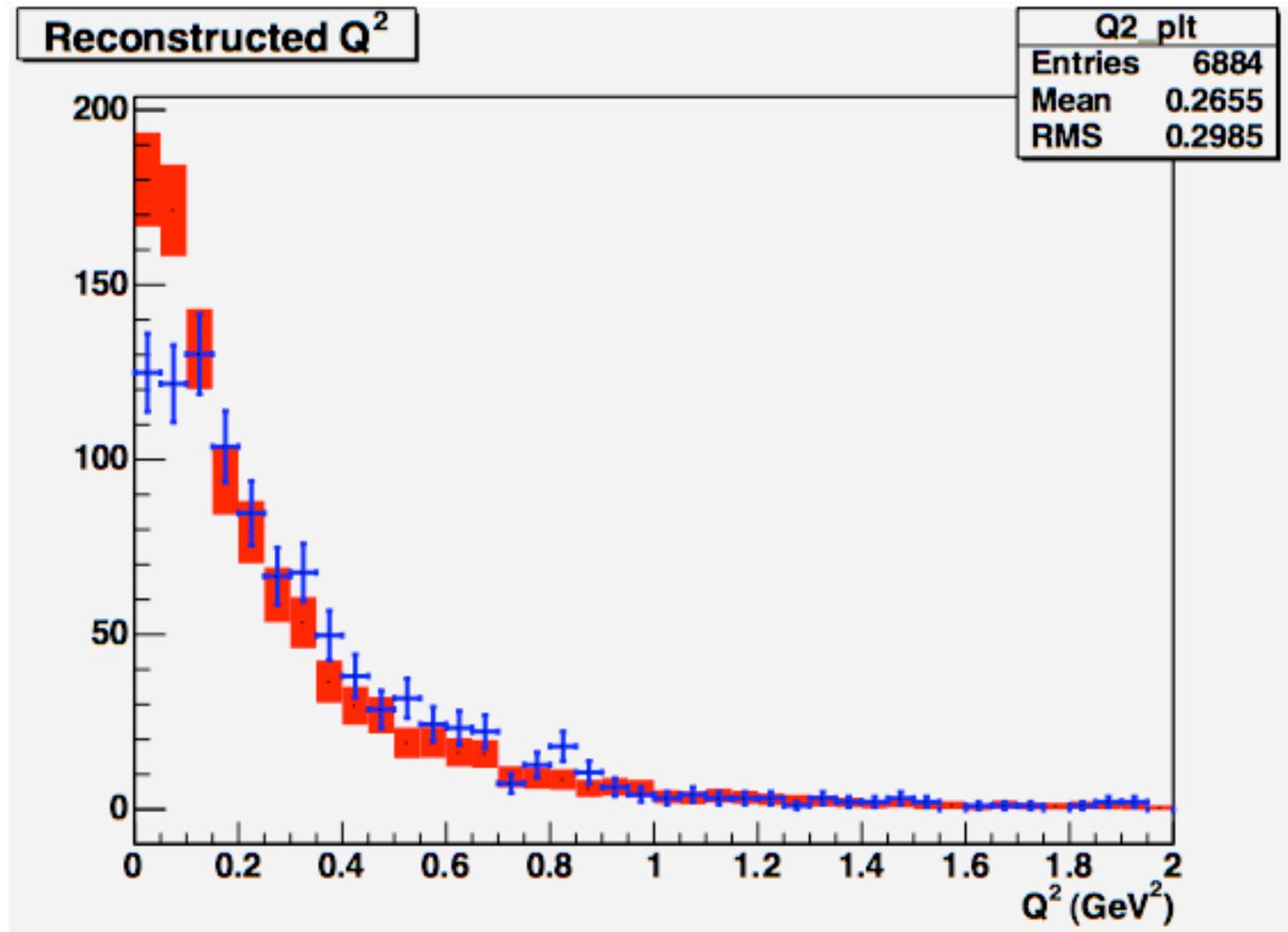
Data

- ccpip box for nubar mode - 968 points
- RUN_NUM: 12800 -- 14783

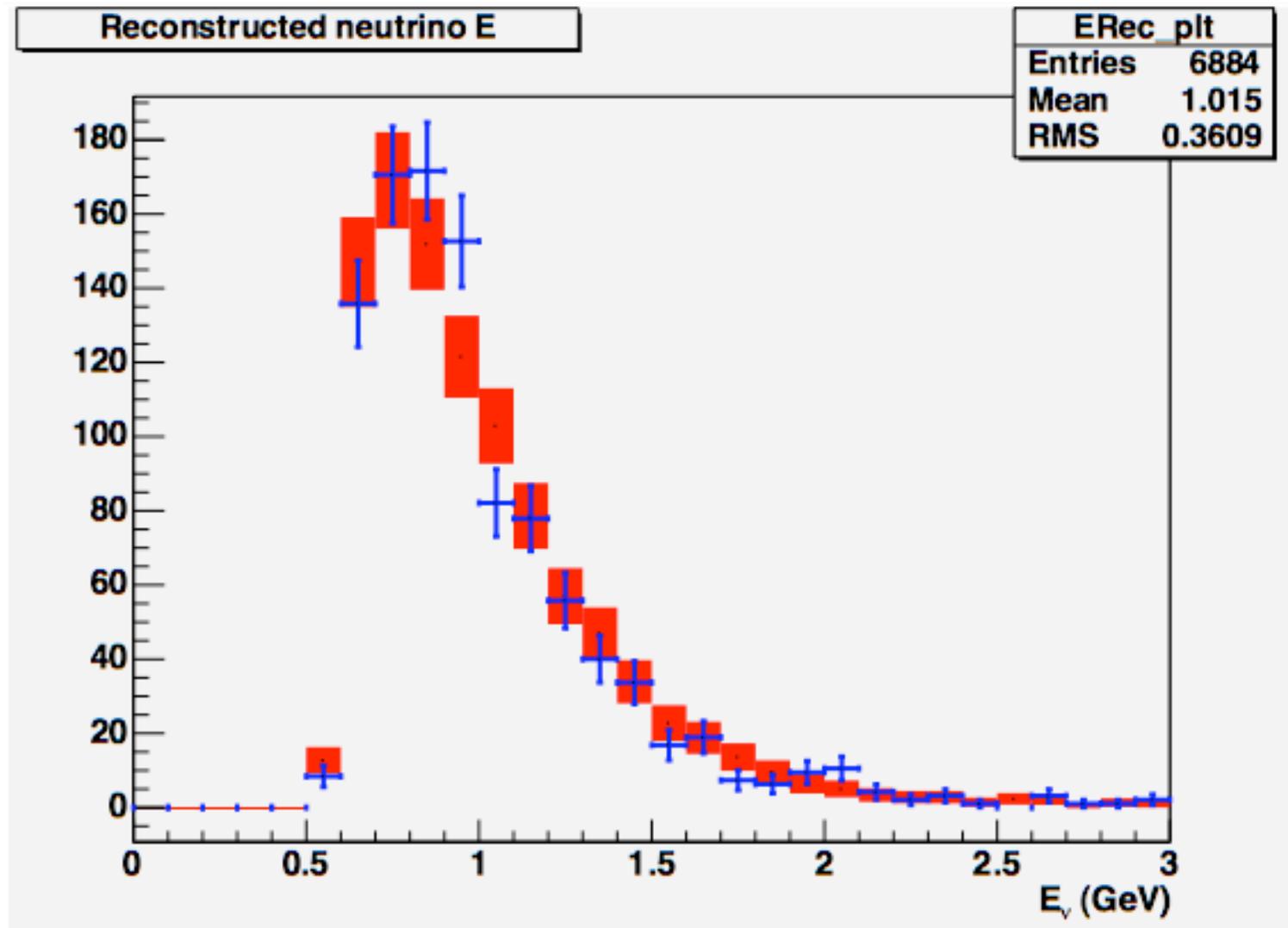
Monte Carlo

- piplus_filter applied to cocktail (without dirt) - 6884 points
(dec06nubar)

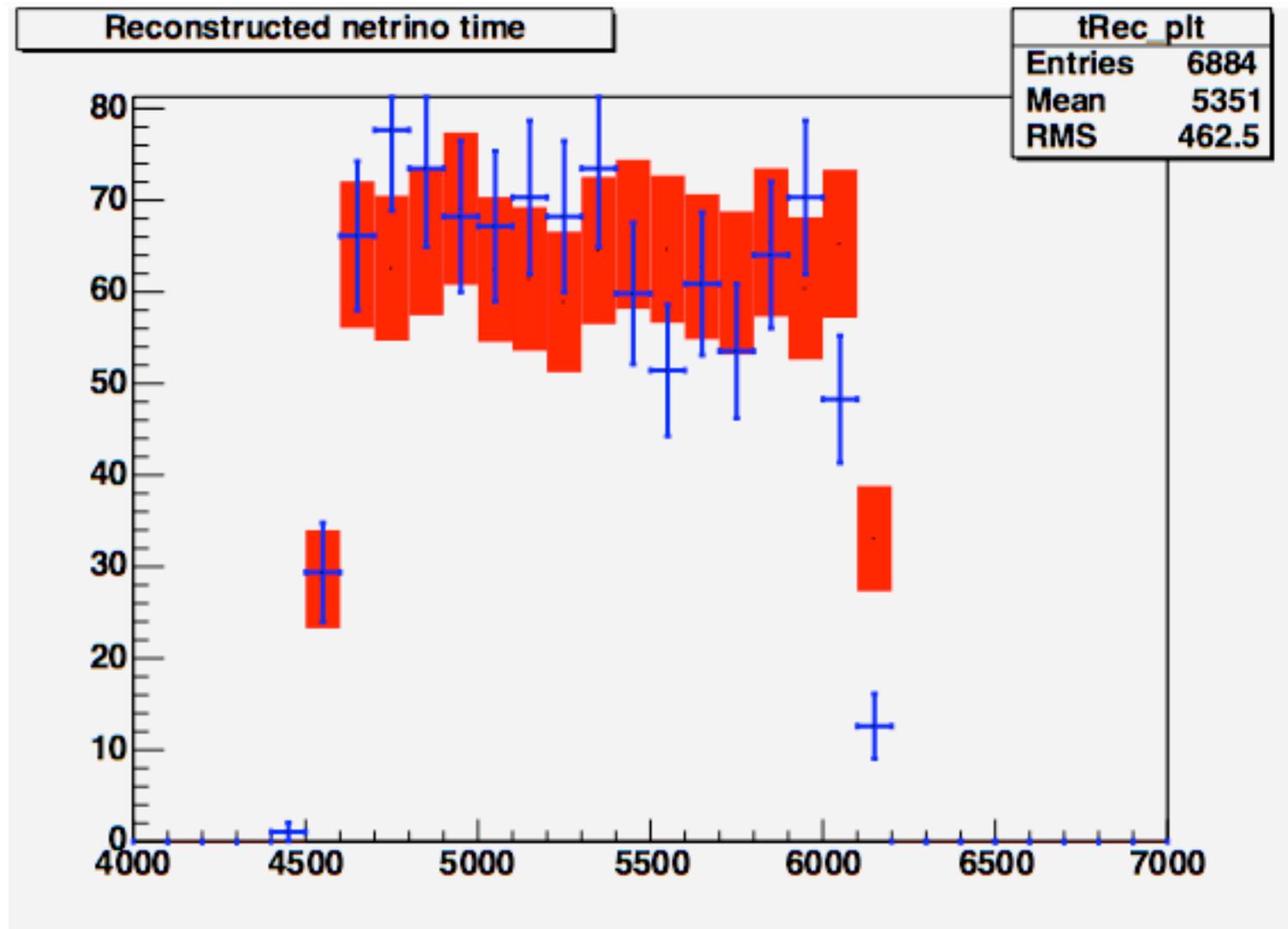
Reconstructed Q²



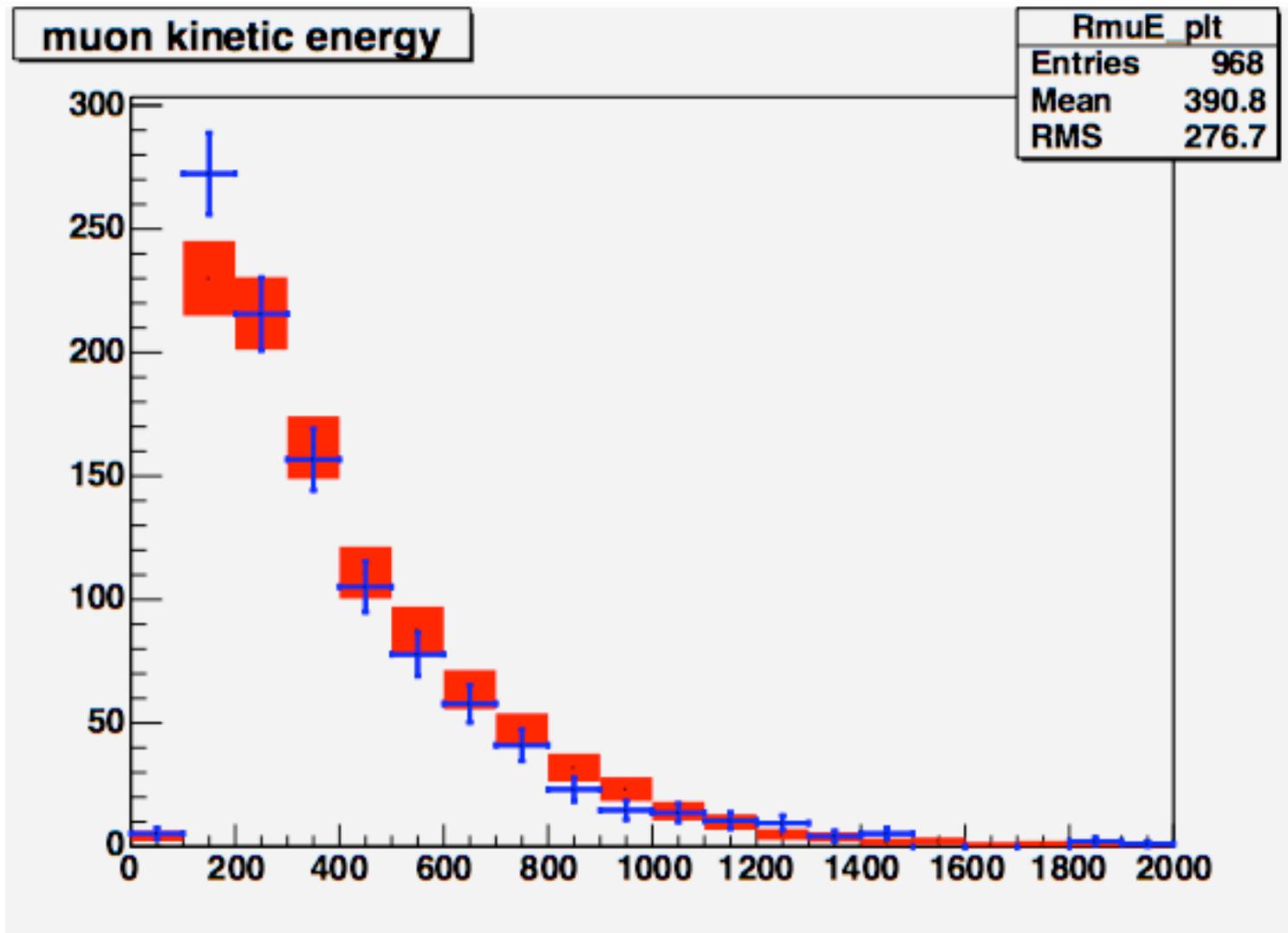
Reconstructed neutrino energy



Reconstructed neutrino t



Reconstructed muon energy



Muon direction

