BC/DC Status

I. BC/DC Status

A. BCs are in good shape

- good profiles
- good efficiencies as estimated by multiplicity distributions
- good TDC distributions
- multiplicity distributions peak at 1 hit/plane

B. DCs are more problematic

- good profiles, but lose occassional electronics
- DC4 has noise problems
- good efficiency in DC1, but not in DC2 or DC3
- good TDC distributions

C. Reco Status

- find all possible crossings (this is done for all possible seeds)
- match crossings to create ordered list of hits
- output is space point with errors and number of wires per point
- still requires alignment and TDC calibration
- used directly to do BC tracking
- to be used on unused hits from TPC tracks

BC1

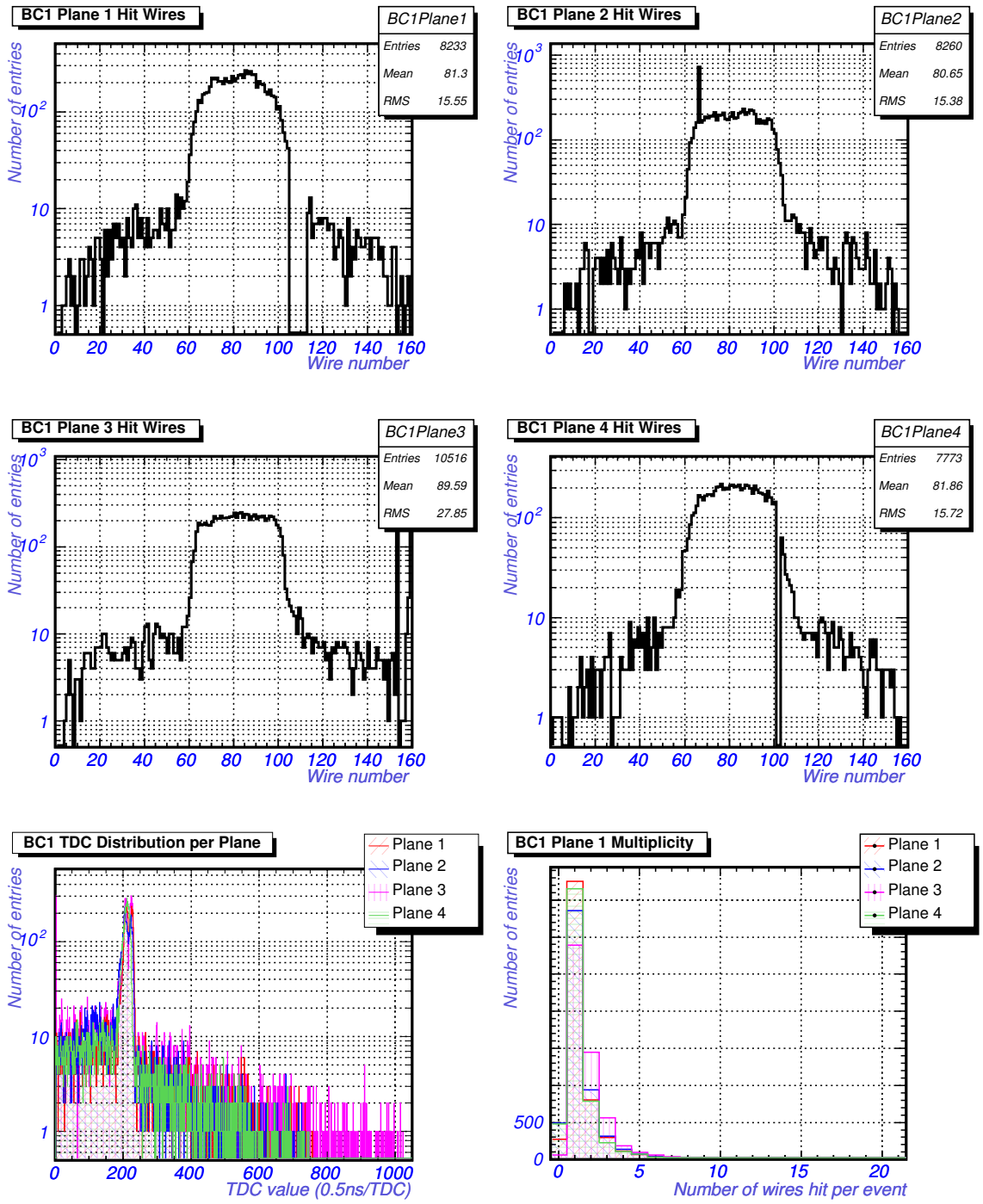

Figure 1: BC1 distributions

BC2

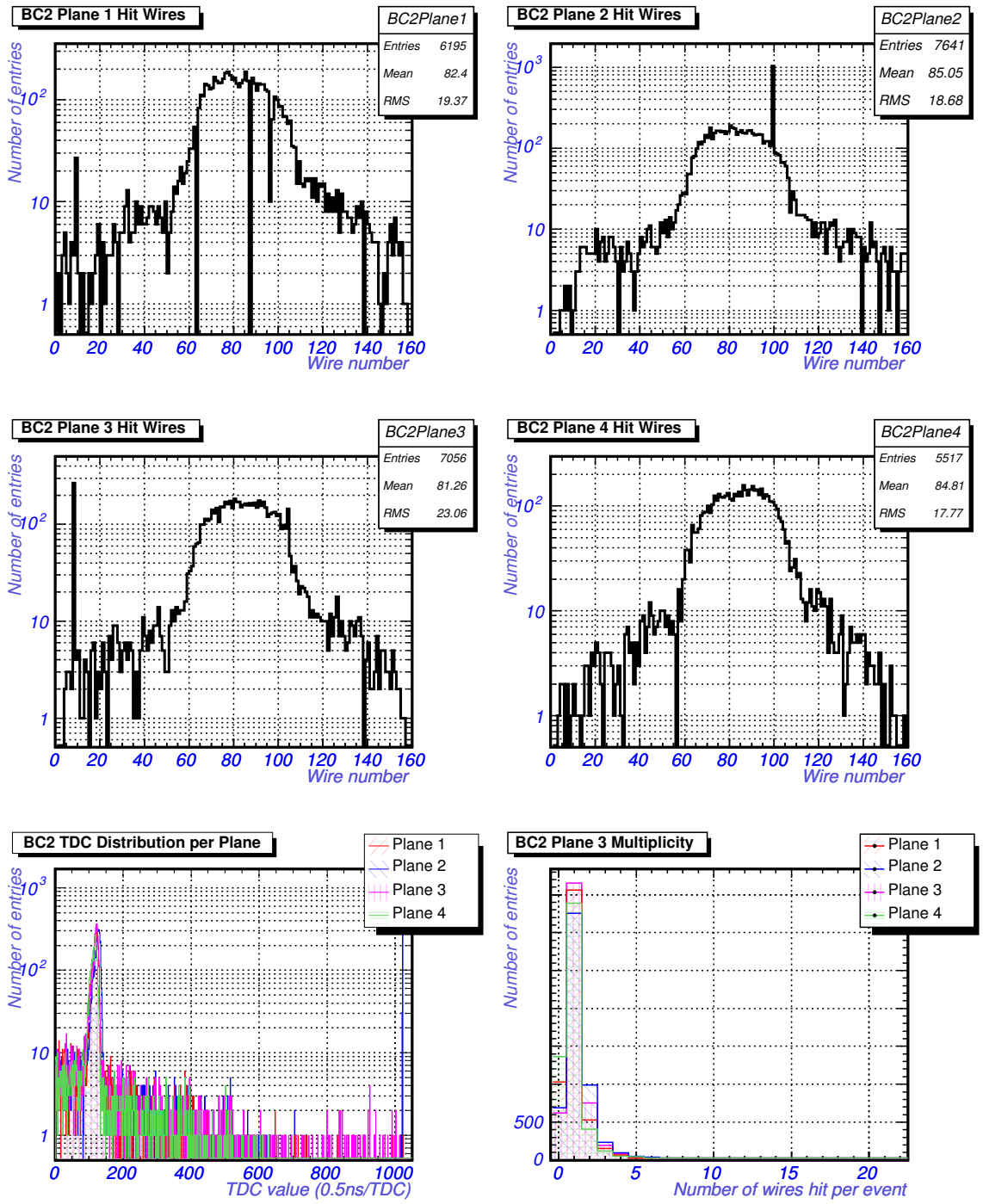

Figure 2: BC2 distributions

BC3

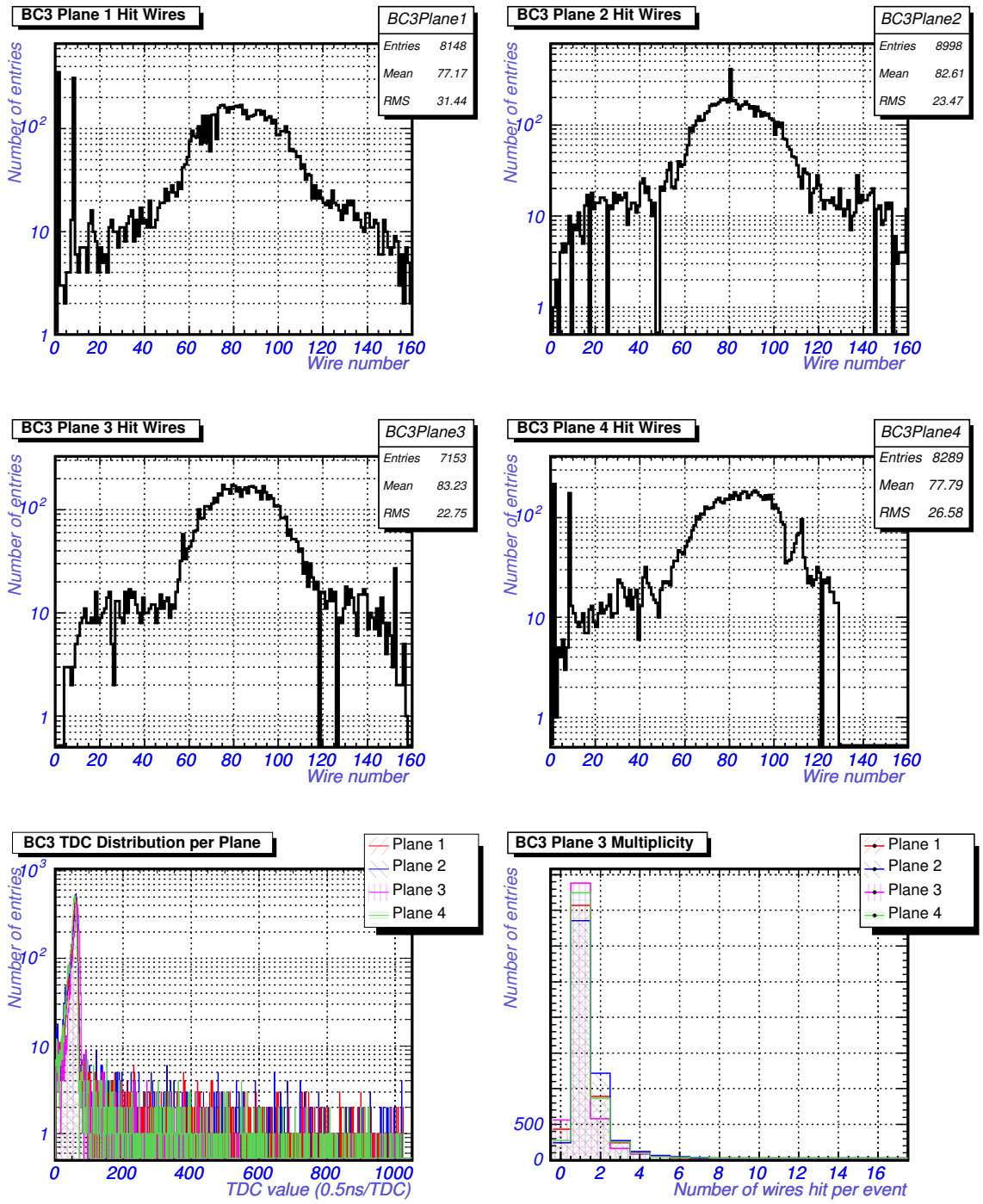

Figure 3: BC3 distributions

DC1

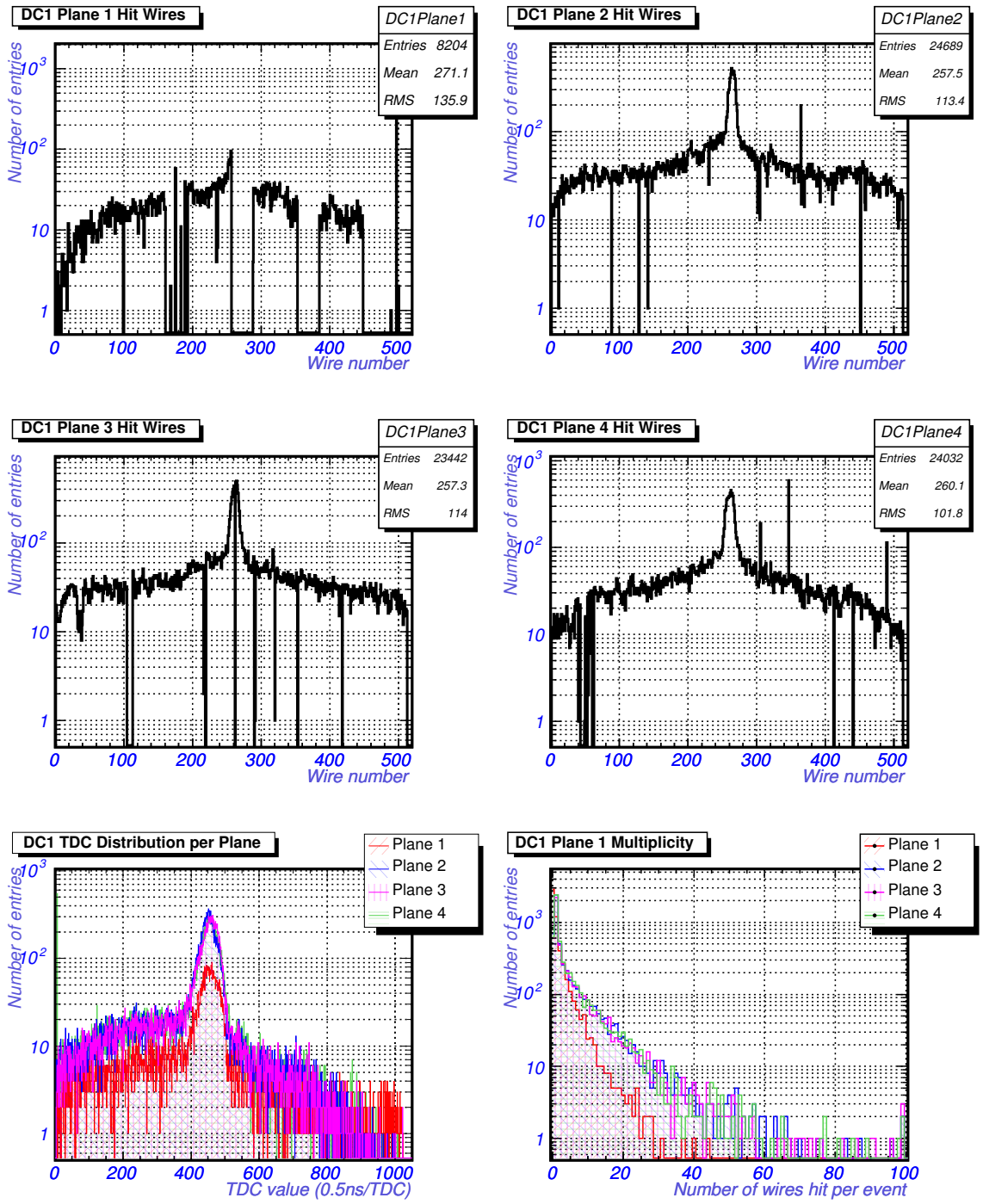

Figure 4: DC1 logarithmic distributions

DC1

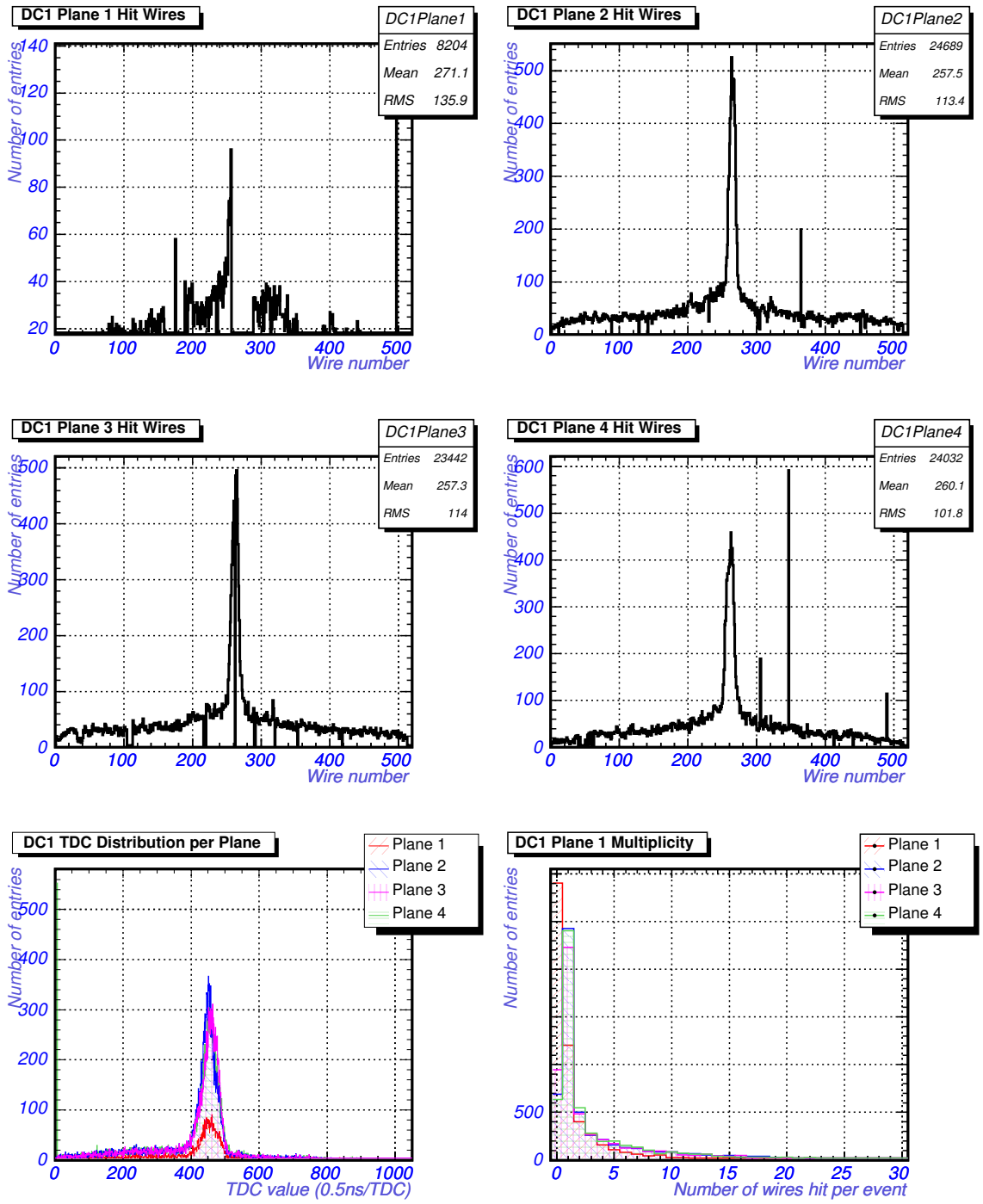

Figure 5: DC1 linear distributions

DC3

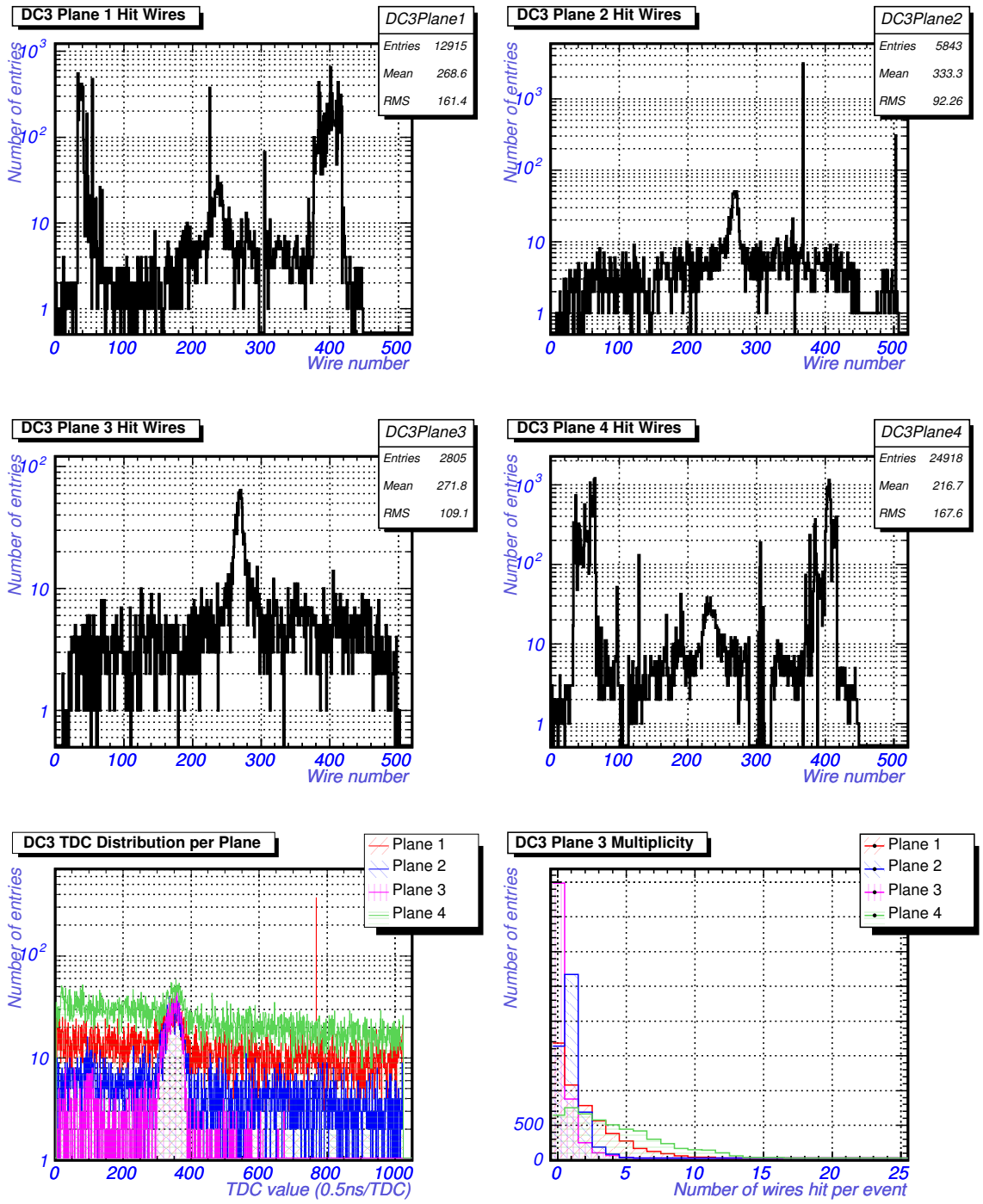

Figure 6: DC3 distributions

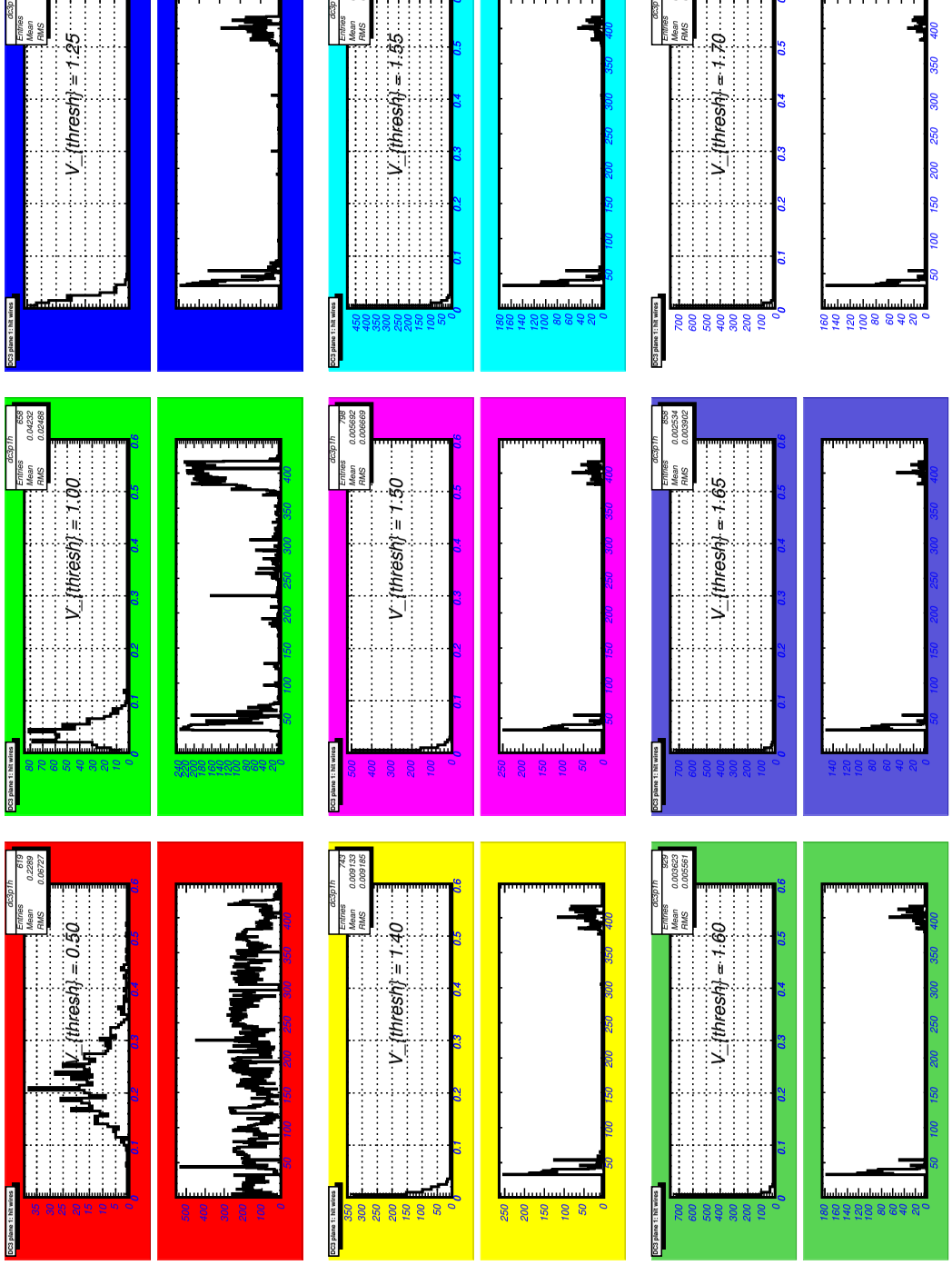

Figure 7: DC3 threshold studies

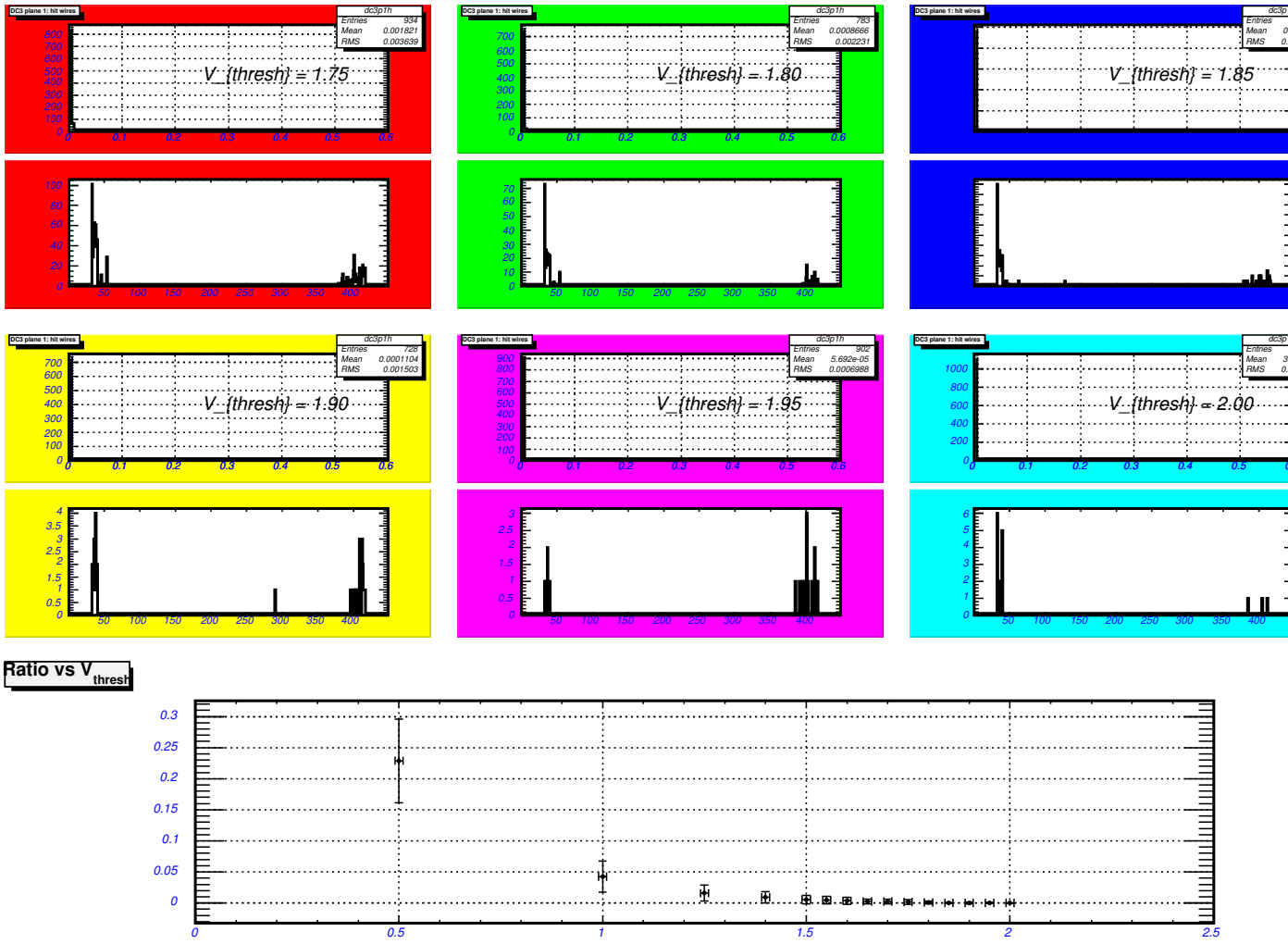

Figure 8: DC3 threshold studies

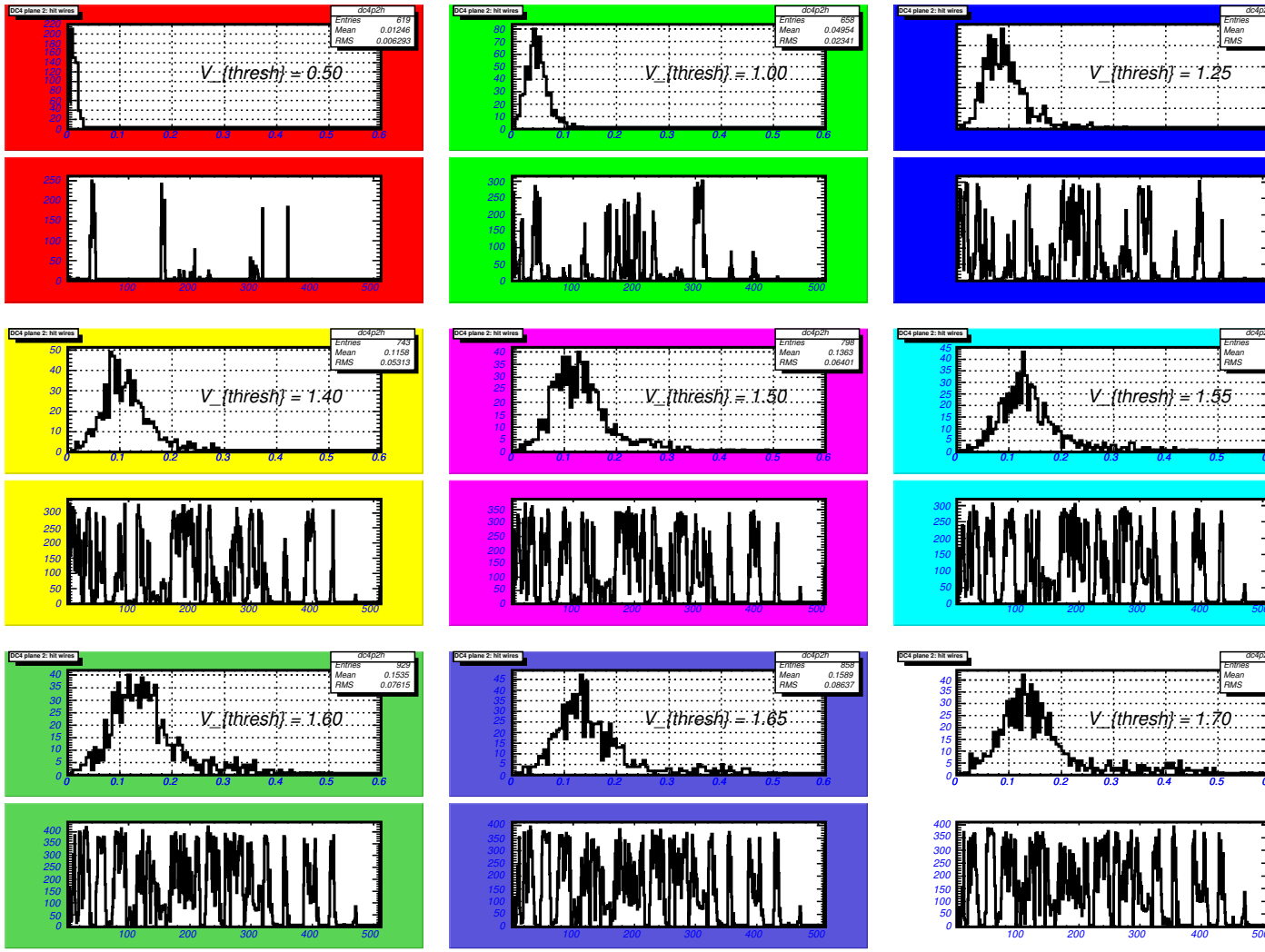

Figure 9: DC4 threshold studies

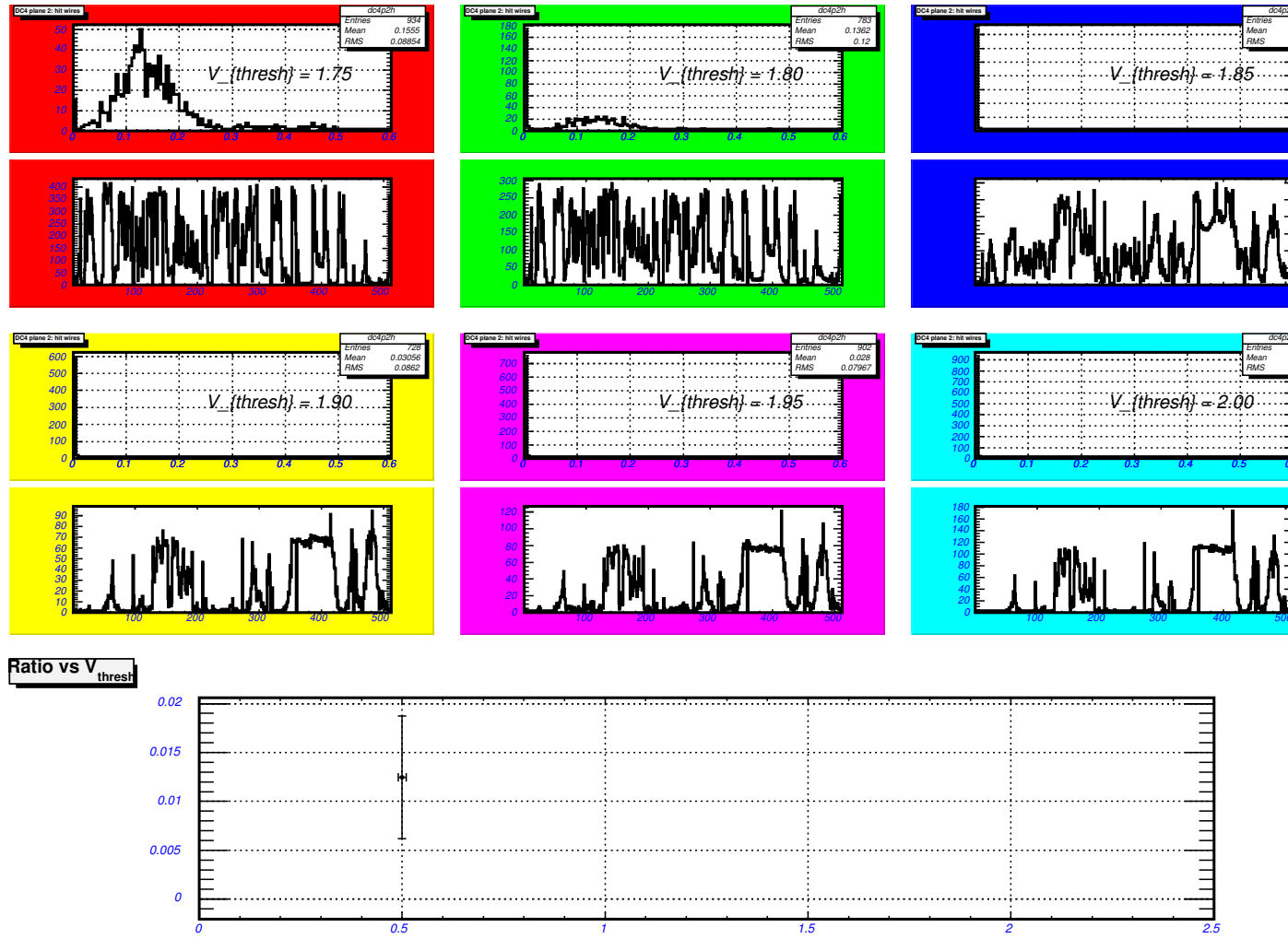

Figure 10: DC4 threshold studies

II. **Still To Do**

- test more discriminators
- find/fix bad channels
- clean up DC grounding - this will possibly fix DC4
- find/fix DC inefficiencies
- repeat V_{thresh} studies
- run HV curves to select operating points
- TDC calibration
- alignment
- continue Reco development