0.1 Changes in tracks multiplicity

- highPurity
- $p_T > 100$ MeV
- $p_T Error/p_T < 0.1$
- No requirements on dz or dxy

Reason: to avoid an interference with PV selection and PV filter efficiency calculation.
Disadvantage: different quality cuts for M-tracks and the tracks for dNdEta (w/ $p_T > 0.5$ GeV)

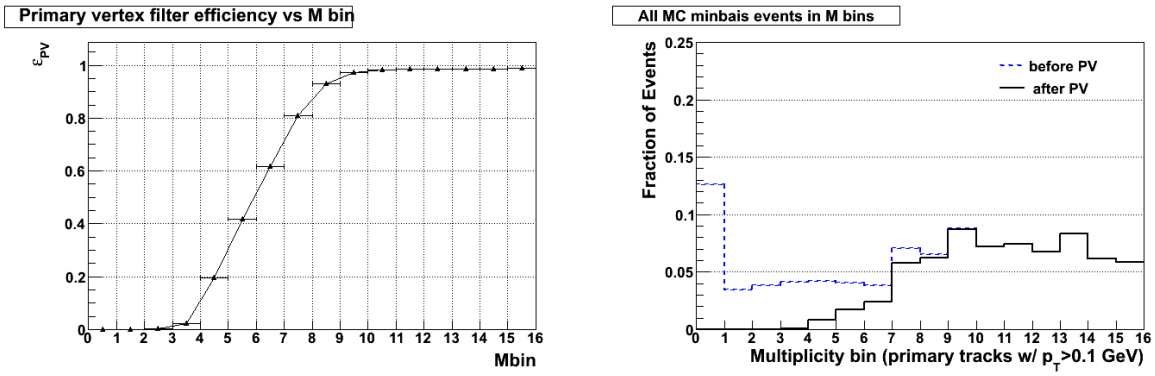

Figure 1: Primary vertex filter. $ndof > 4$, $|z| < 15$, $|d0| < 2$

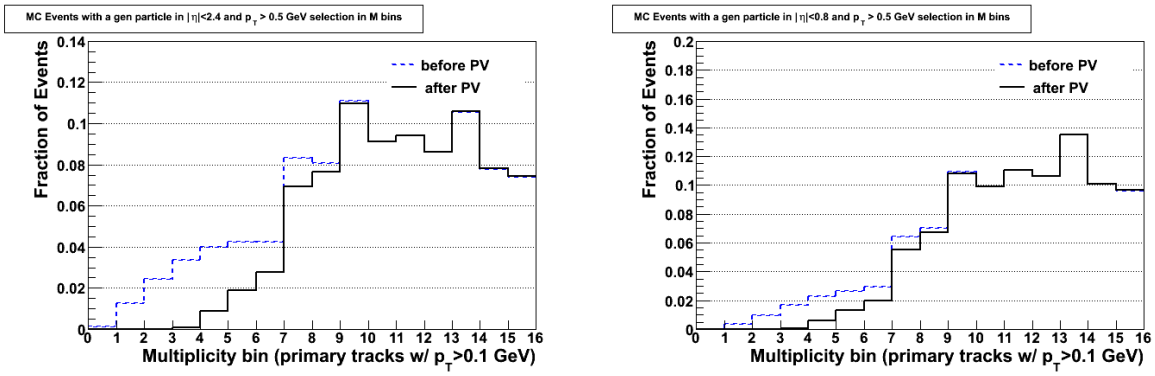

Figure 2: Events with a particle above 0.5 GeV

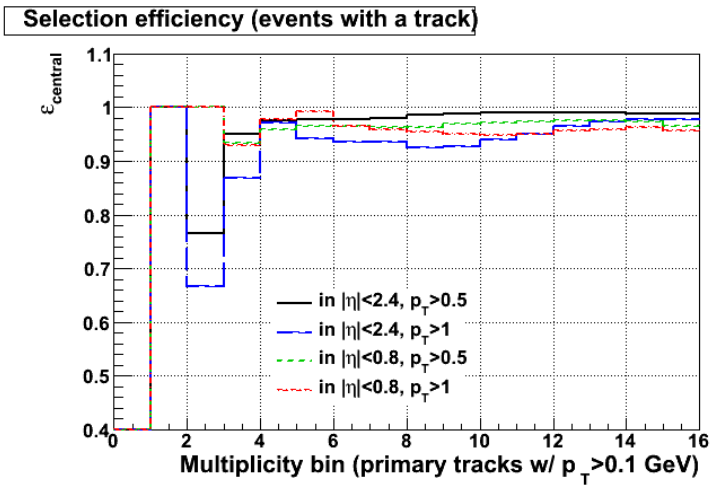

Figure 3: Central track selection efficiency

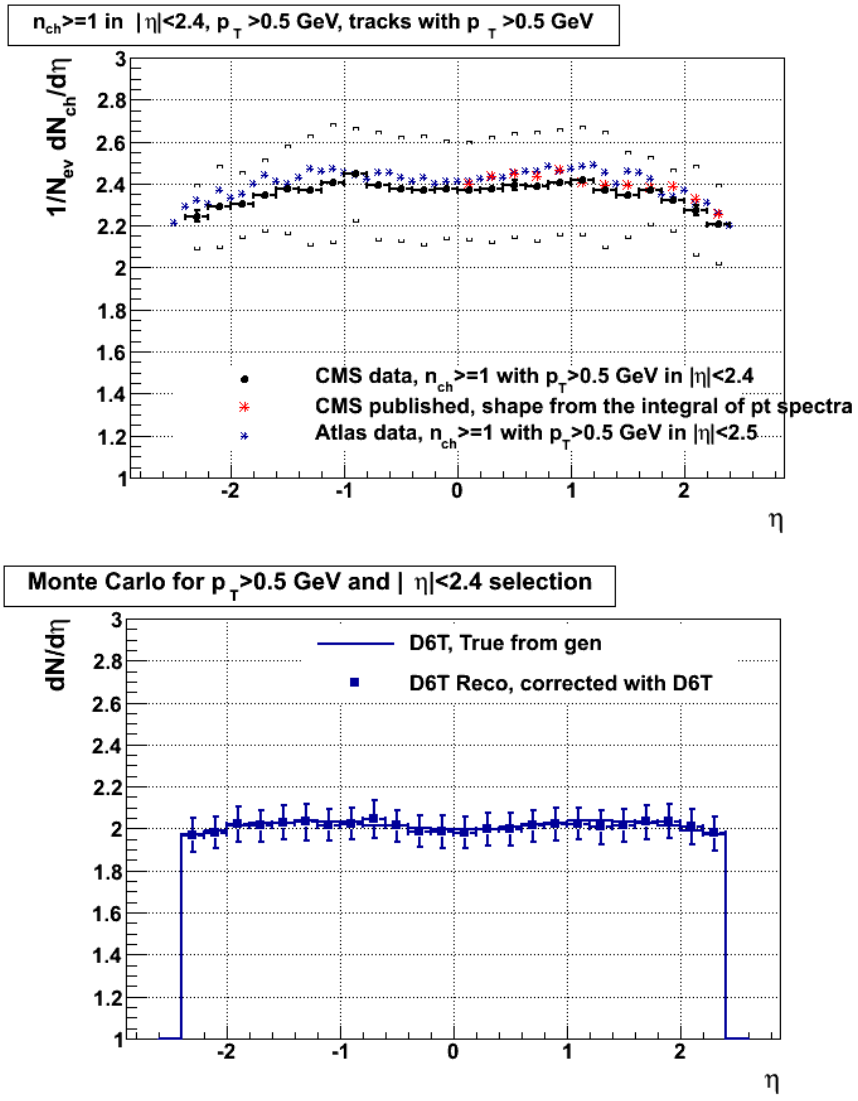

Figure 4: Result for 2.4 and closure test

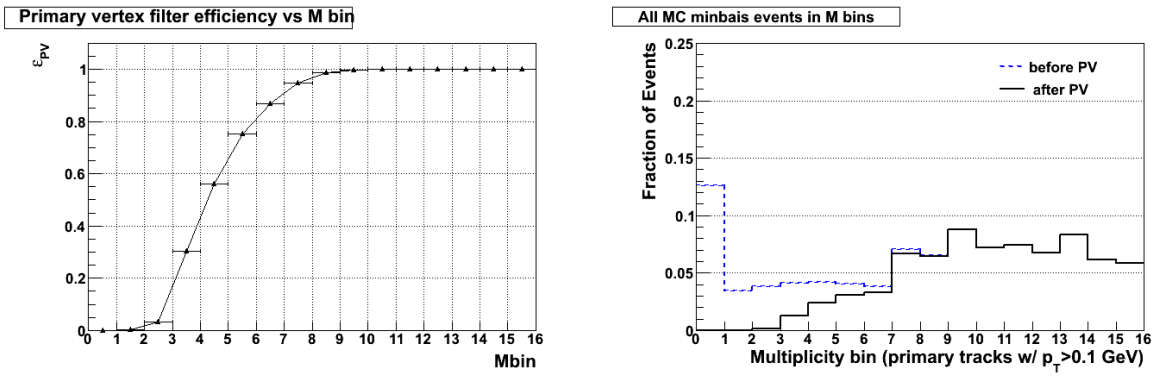

Figure 5: Primary vertex filter. $ndof > 1$, $|z| < 20$, $|d0| < 5$

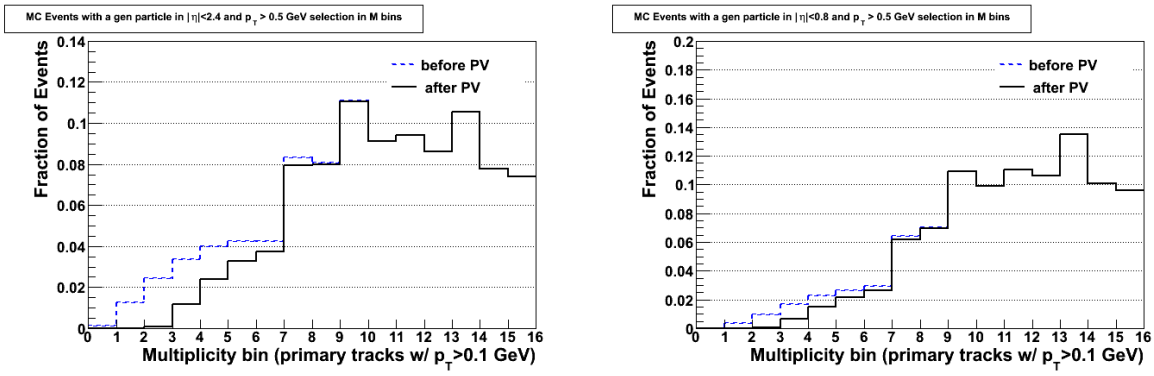

Figure 6: Events with a particle above 0.5 GeV

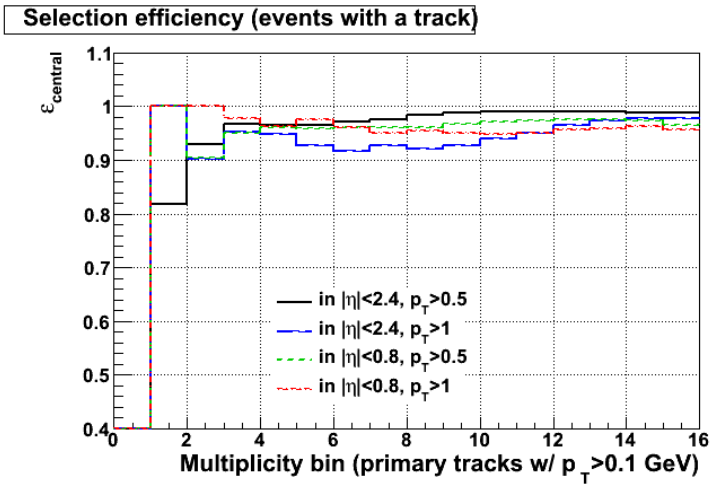

Figure 7: Central track selection efficiency

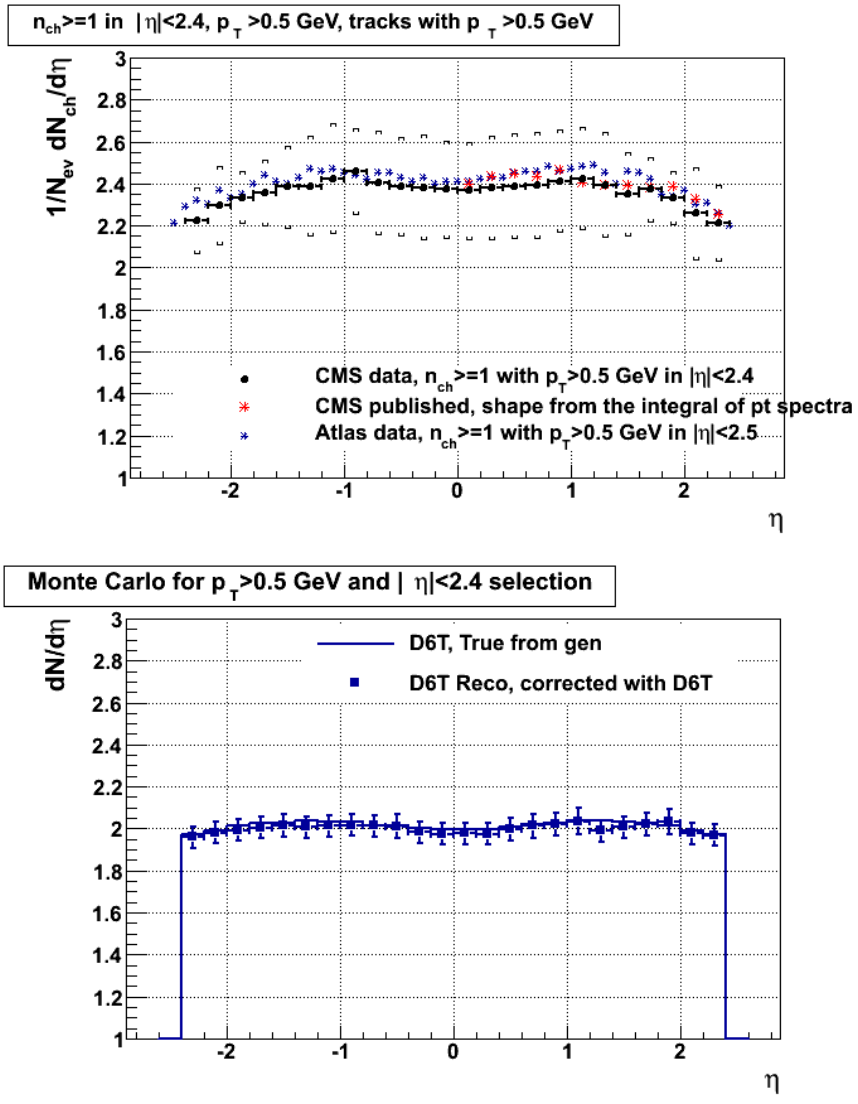

Figure 8: Result for 2.4 and closure test

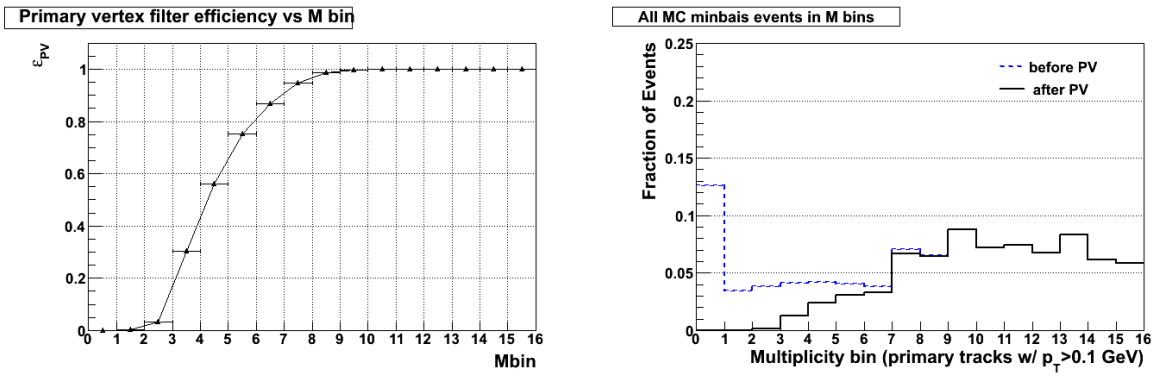

Figure 9: Primary vertex filter. $ndof > 0$, $|z| < 35$, $|d0| < 20$

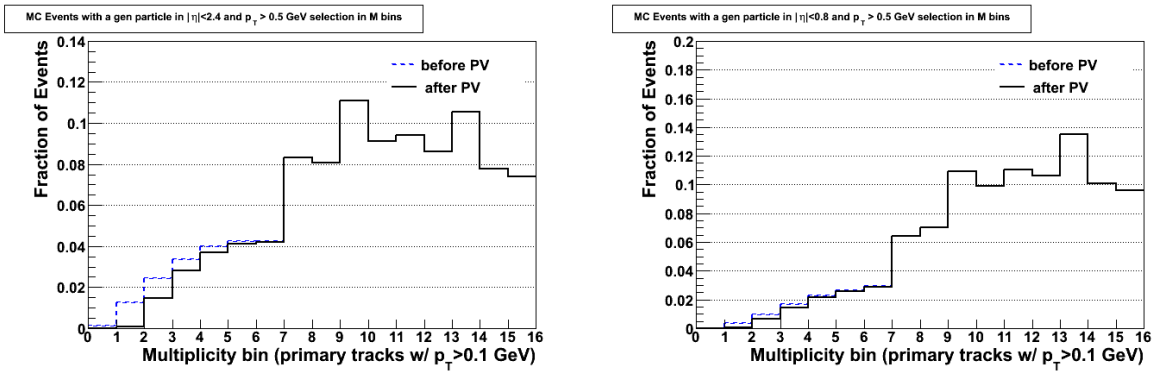

Figure 10: Events with a particle above 0.5 GeV

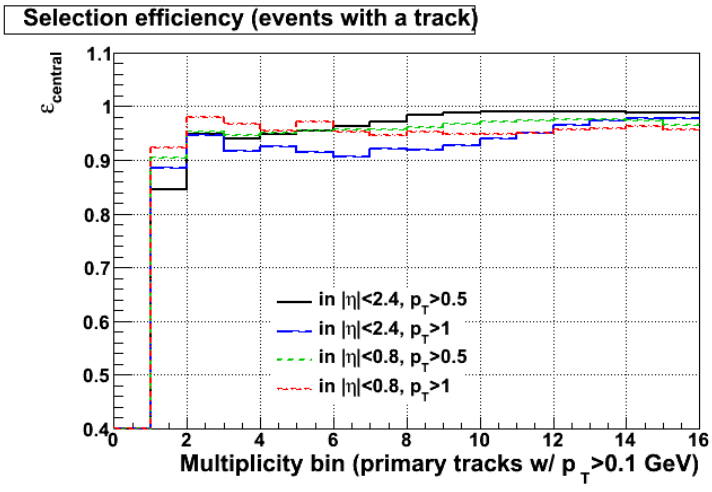

Figure 11: Central track selection efficiency

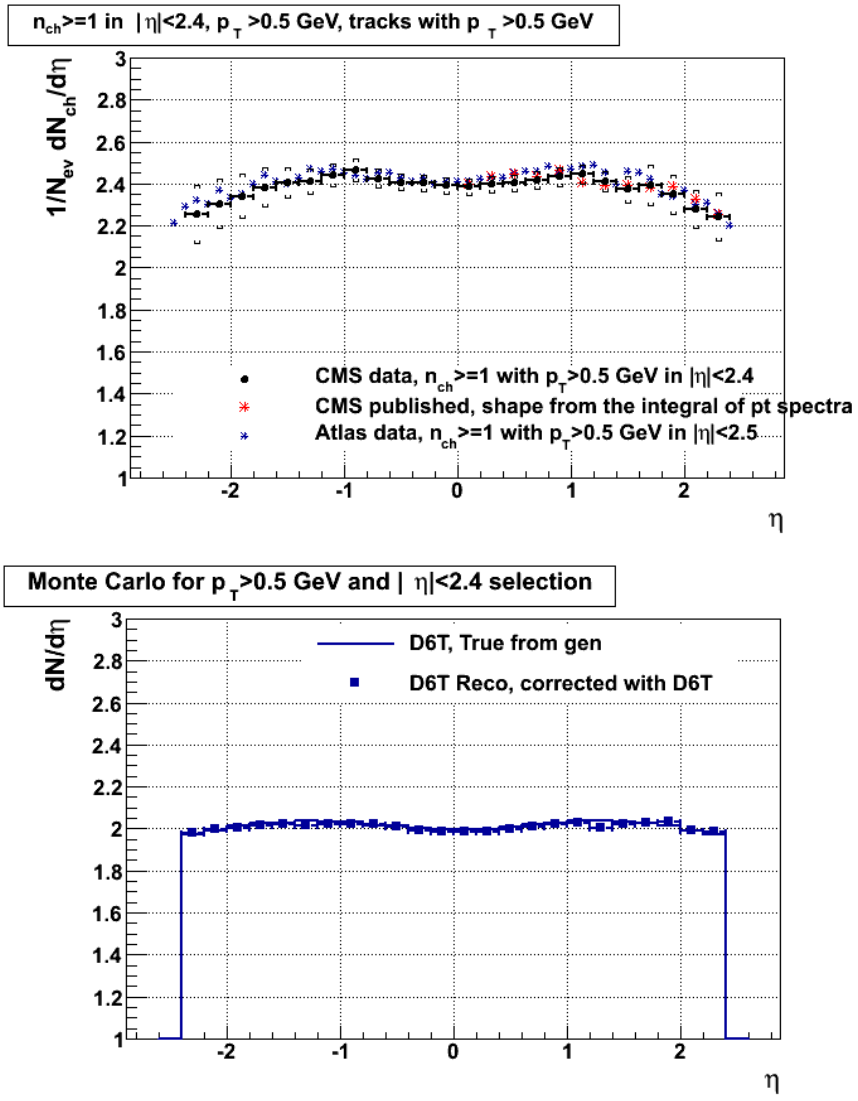

Figure 12: Result for 2.4 and closure test

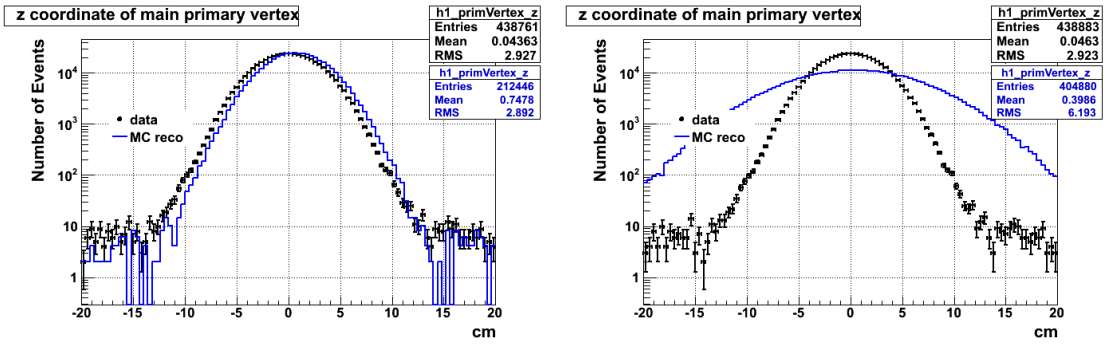

Figure 13: Vertex z. Left: Spring10 MCand June9, Right: Fall10 MC and Sept17 data. Events selected with Vertex filter: $ndof > 0$, $|z| < 35$, $d0 < 20$,

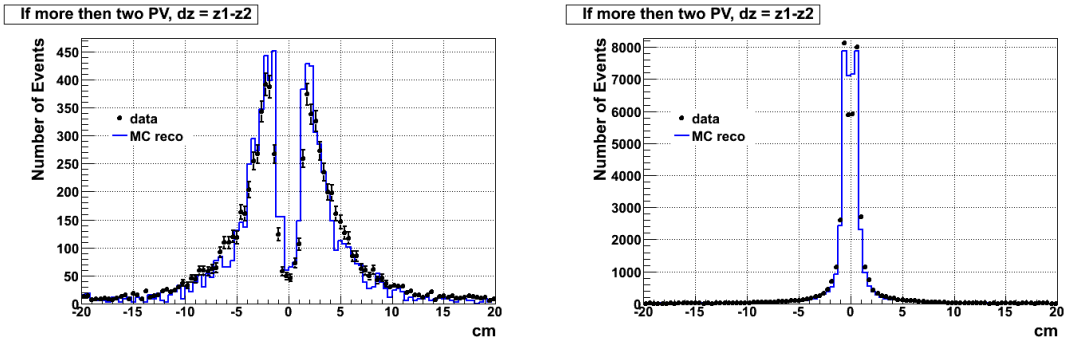

Figure 14: Vertex z1-z2. Left: Spring10 MCand June9, Right: Fall10 MC and Sept17 data. Events selected with Vertex filter: $ndof > 0$, $|z| < 35$, $d0 < 20$

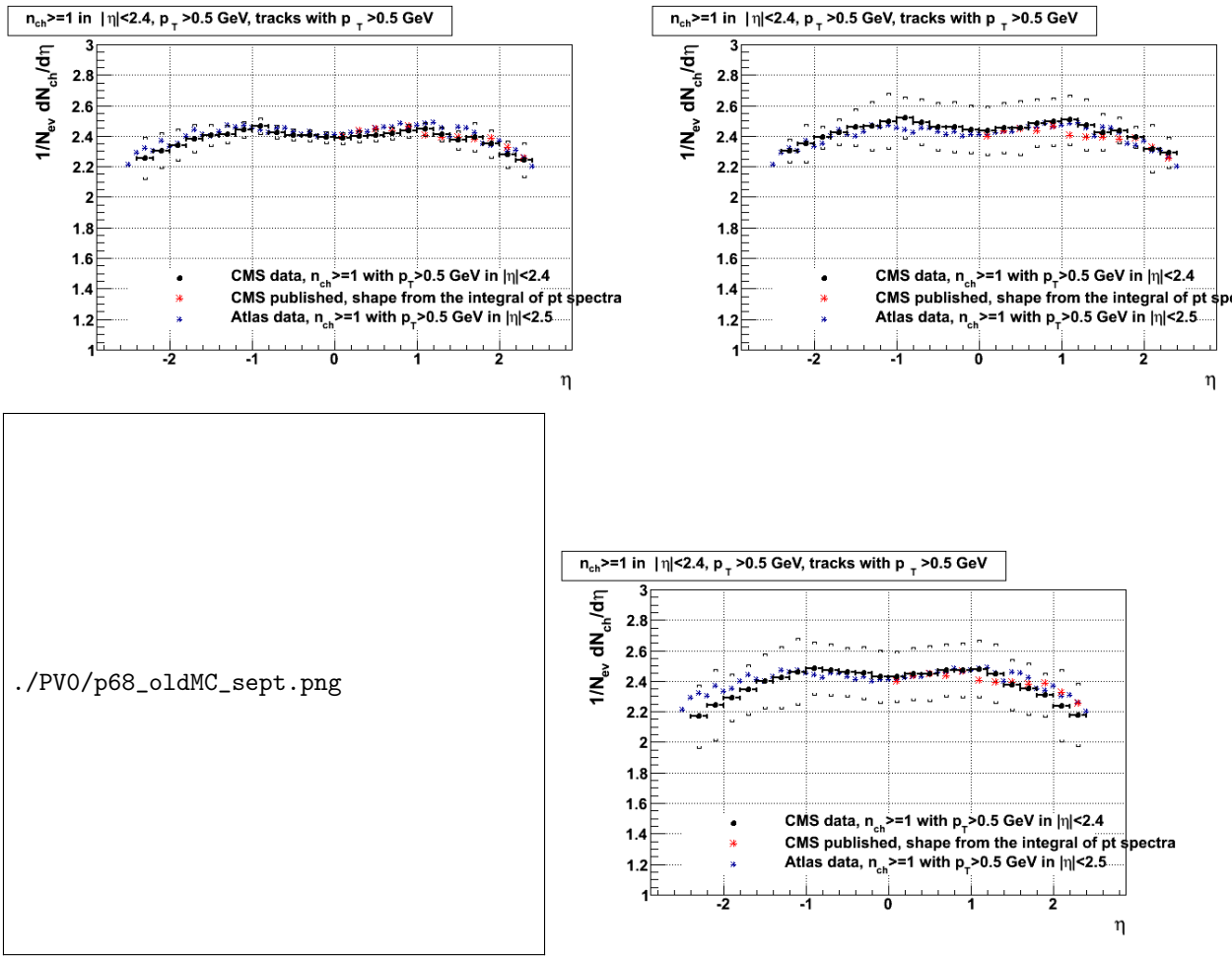

Figure 15: Results for 2.4. Top: Using Fall10 MC, left - Sept data, right - June Data. Events selected with Vertex filter: $ndof > 0$, $|z| < 35$, $d0 < 20$