

Electron v2 update

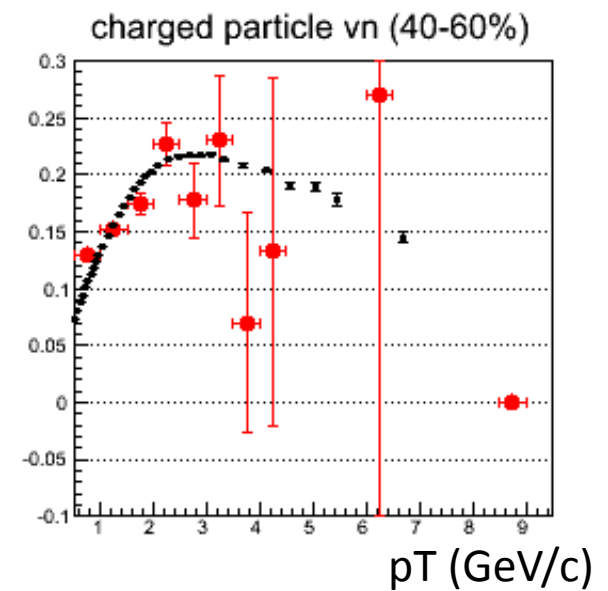
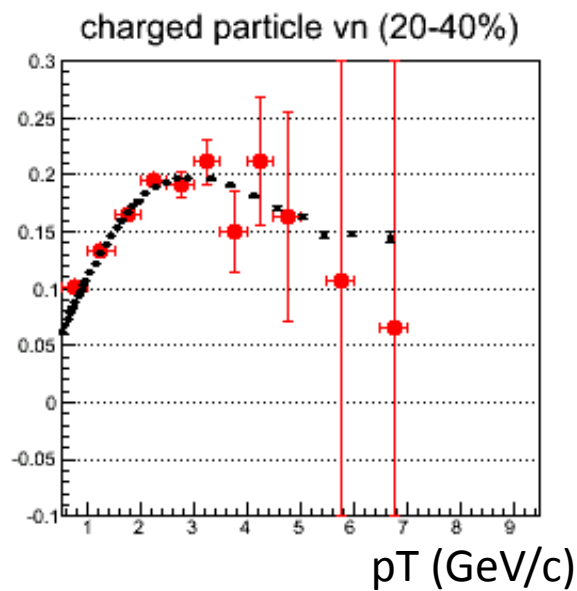
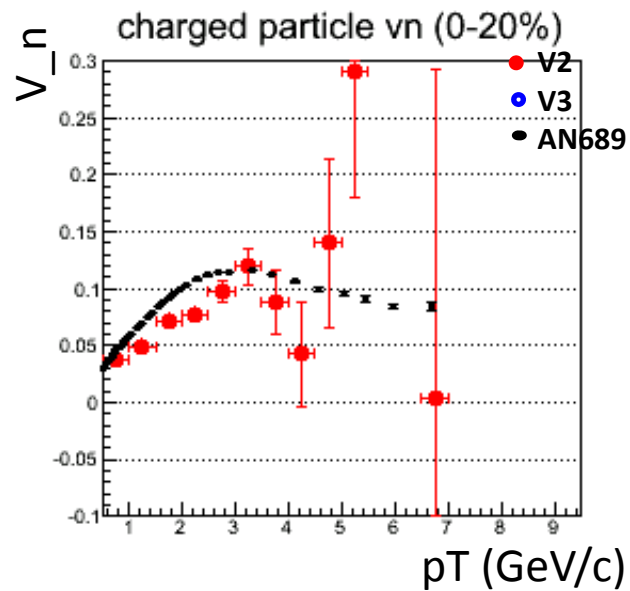
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For the VTX

Hadron V2 and V3 Distribution (BBC)

- V2 as a function of pT for charged hadrons with
 - Veto cut
 - : $-200\mu\text{m} < \text{diff} < 400\mu\text{m}$ (layer 0)
 - : $-200\mu\text{m} < \text{diff} < 600\mu\text{m}$ (layer 1)
 - : $-400\mu\text{m} < \text{diff} < 800\mu\text{m}$ (layer 2)
 - : $-200\mu\text{m} < \text{diff} < 800\mu\text{m}$ (layer 2)
 - DCA cut : $|\text{DCA-XY}| < 200\mu\text{m}$



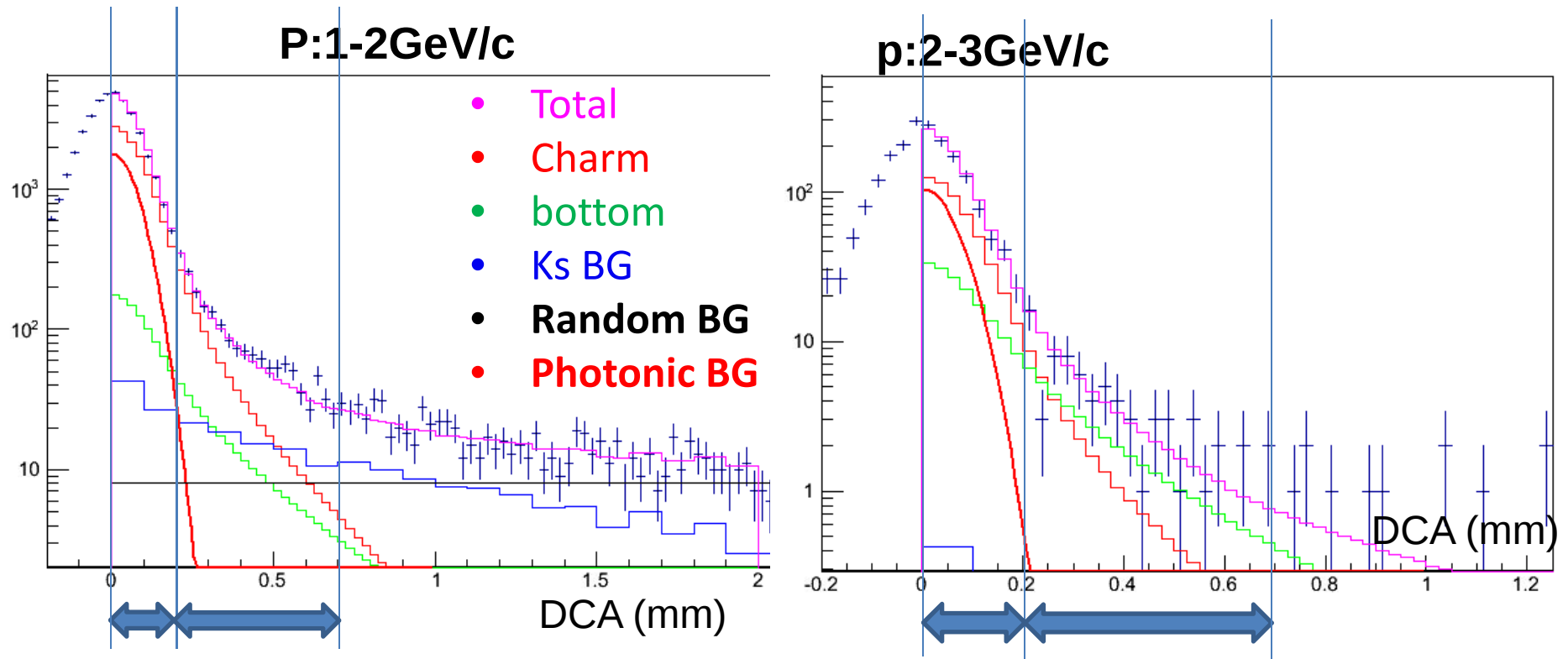
2012/7/26 Our Vn measurement looks working fine

HHJ PWD meeting

V2 analysis

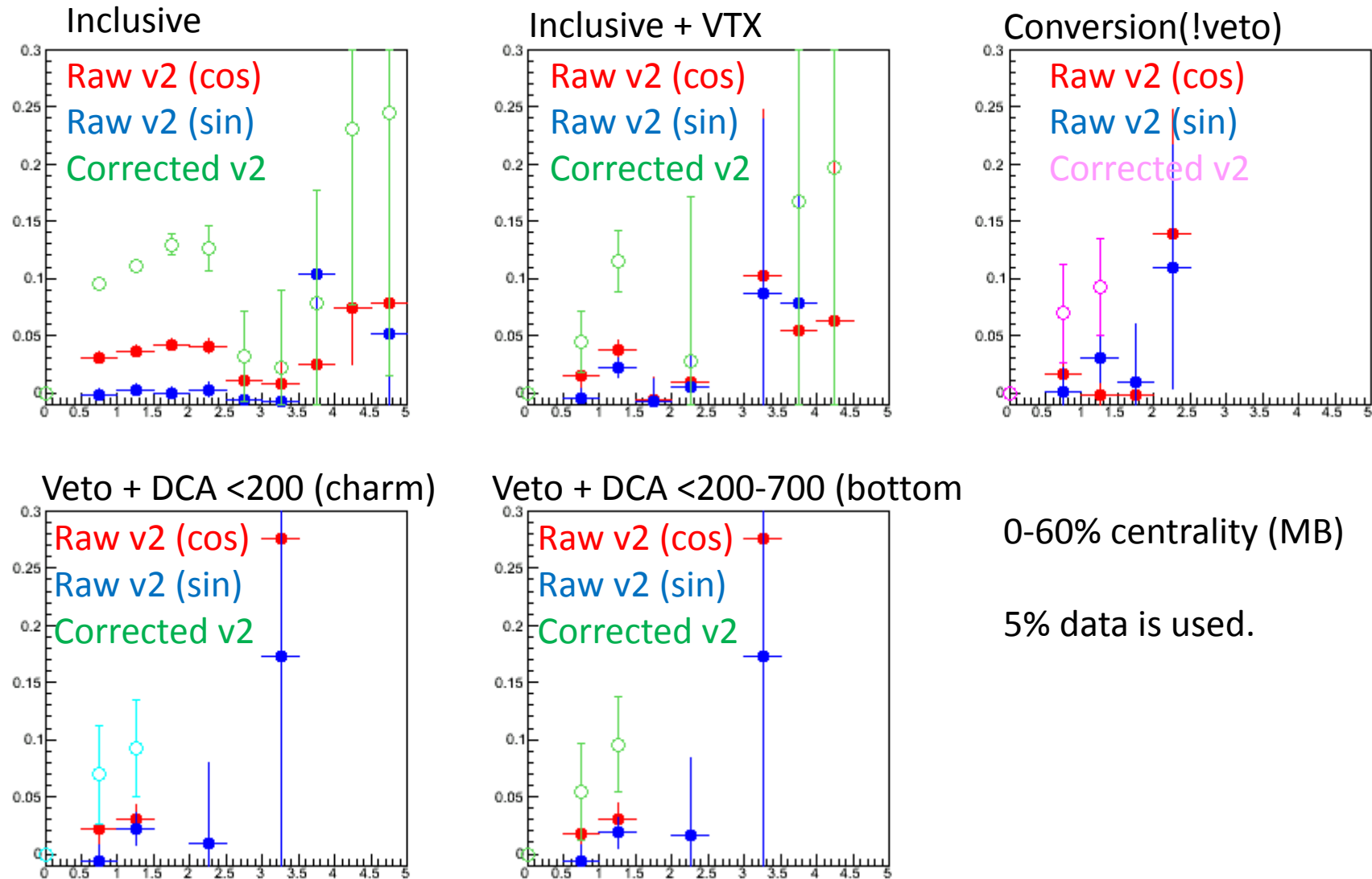
- Step for HF v2
 - Measure photonic v2 using “conversion” tagged electrons with $DCA < 200\mu\text{m}$
 - Compare with photonic v2 from cocktail in run 4 (run7)
 - Alan kindly gave a photonic v2
 - HF v2 using vetoed electrons with
 - $|DCA| < 200\mu\text{m}$ for charm rich sample
 - $200 < |DCA| < 700\text{mm}$ for bottom rich sample
 - To decompose charm, bottom and photonic v2
 - Need their composition from DCA fitting (Rachid showed)
 - Charm v2 = Inclusive – photonic at $DCA < 200\mu\text{m}$
 - Bottom v2 = inclusive – (photonic + charm)

DCA distribution



- The DCA region for charm and bottom is determined using these plots.
 - At lower p_T , it is difficult to extract bottom signal.

Electron v_2 (BBC RP)



0-60% centrality (MB)

5% data is used.