

Updates on Tracking

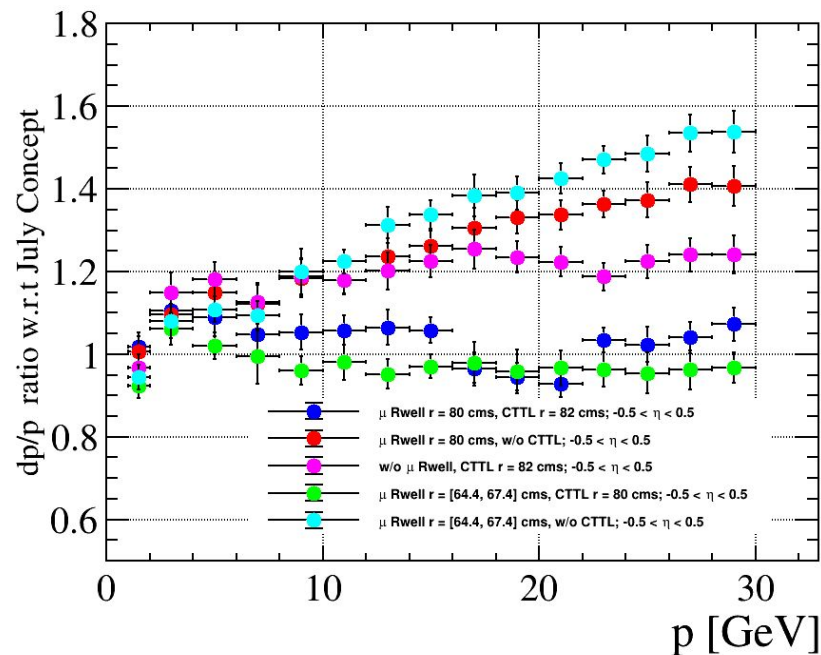
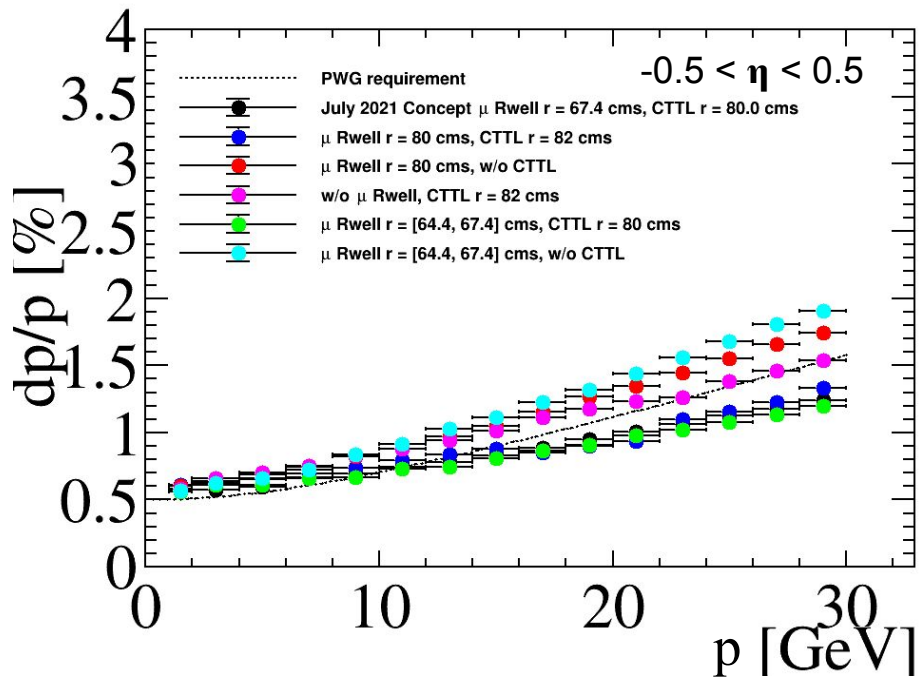
ECCE Team Meeting

CF and Karthik Suresh

ECCE AI WG

Outer uRWELL before/after DIRC; w and w/o CTTL outside DIRC

(to explore different configurations being discussed on Friday)



Current Layout

(provided by Tanja and Jin, 10/11/21)

Top level layers	Rin	Rout
Magnet	140	170
EMCal support (instrumented)	134	140
EMCal Glass	85	134
EMCal Readout	80	85
muRwell	77	80
Outer Frame	73	77
DIRC	70	73
Inner Frame	65	70
mRPC (extend to inner frame)	60	70
muRwell	58	60
(Not used, low mass BdL)	50	58
Inner tracker	3	50

TOF before DIRC: Configurations

uRWell (62.5cm-64.5) – mRPC (or CTTL) (64.5cm-71.5cm) – hpDIRC (71.5cm-74.5cm) – uRWell (74.5cm-76.5cm) – BECAL(80cm+)

1

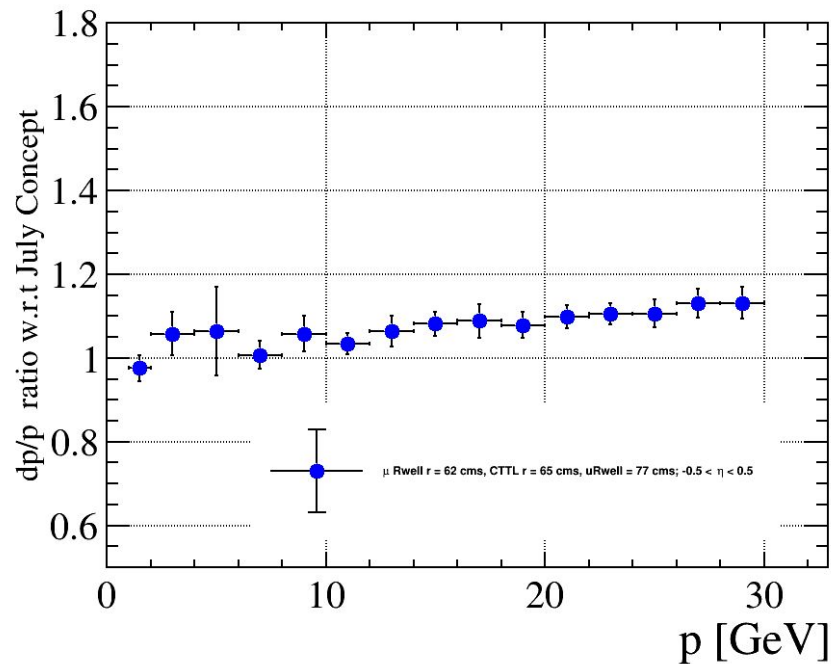
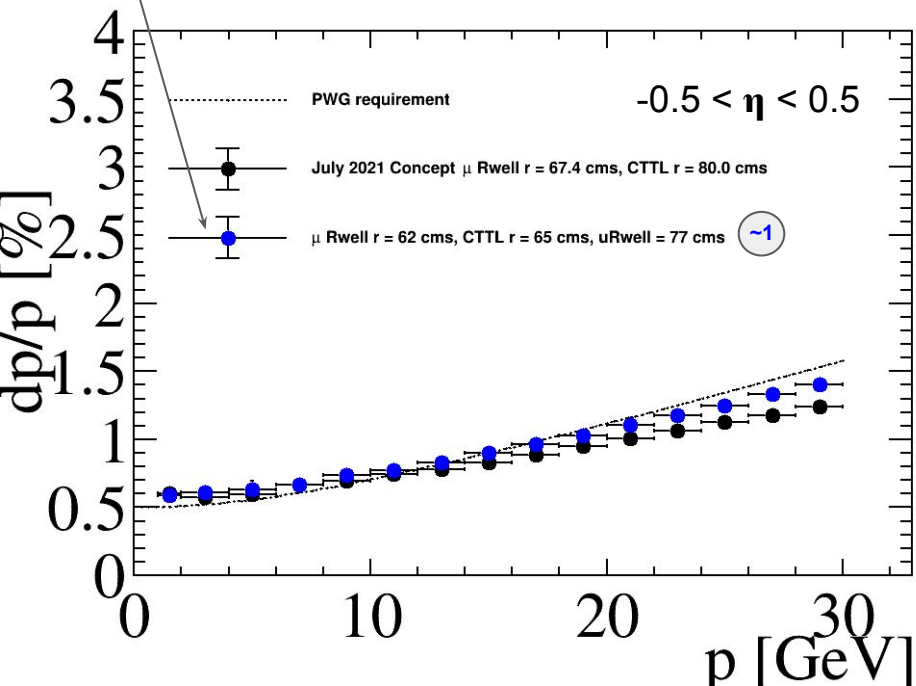
VS

uRWell (58cm-60cm) – mRPC (or CTTL) (60 cm-67.0 cm) – hpDIRC (70.cm-73.cm) – uRWell (77.0cm-80.0cm) – BECAL(80cm+)

2

new reference!

uRWell (62 cms) – CTTL (65cms) – hpDIRC (74.1 cms) – uRWell (77 cms) – BECAL(80cm+)



ongoing: (i) tune configuration 1, (ii) include configuration n. 2