Run 2 $R(D^{(*)})$ Progress 8-7-20

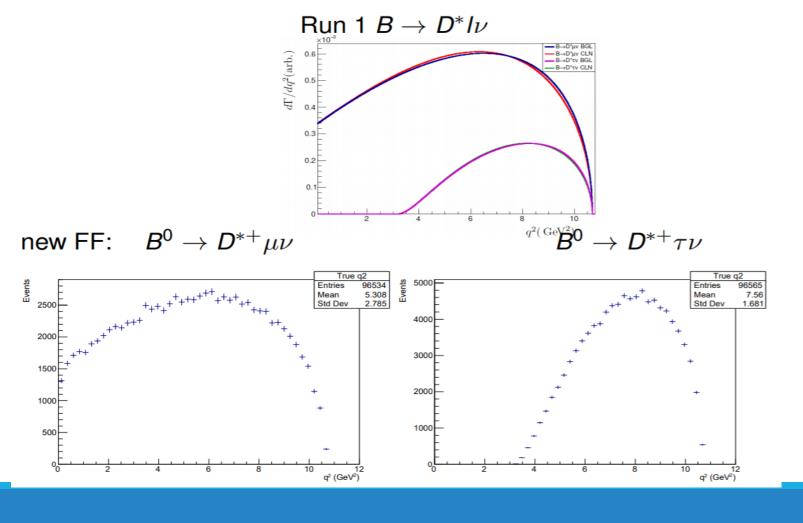
SVENDE BRAUN, ALEX FERNEZ, MANUEL FRANCO SEVILLA, PHOEBE HAMILTON, YIPENG SUN

- •Yipeng made some progress adding μBDT branches to the ntuple
 - Contact Lucia to try to use their solution
- Yipeng successfully reconstructed three wrong-sign trees

• Wrong-sign trees
$$B^+ -> D^0 (K^- \pi^+) \mu^+$$
 (wrong sign μ) $\overline{B}{}^0 -> D^{*+} ((D^0 -> K^- \pi^+) \pi^-) \mu^-$ (wrong sign π , combinatorial D^{*+})

- •Svende sent Manchester updated dec files for signal/normalization with q² distributions (see next slide)
 - Working on background now (hopes to finish D**, DD next week)
 - Will do MC request next SL meeting, Aug 26

Signal/normalization q² distributions



Yipeng began looking at fit differences between his and Phoebe's scripts (examples below), and between DaVinci v36 and v42

- Got v36 to run with "lb-run" tool

