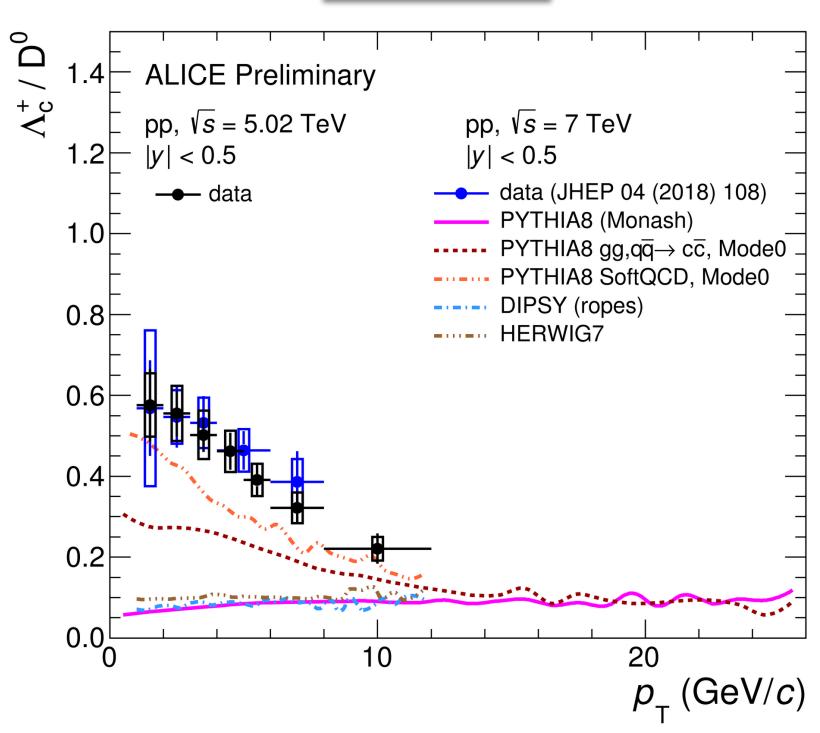
Λ_c/D in pp



expected from e⁺e⁻ collisions: needed to conclude

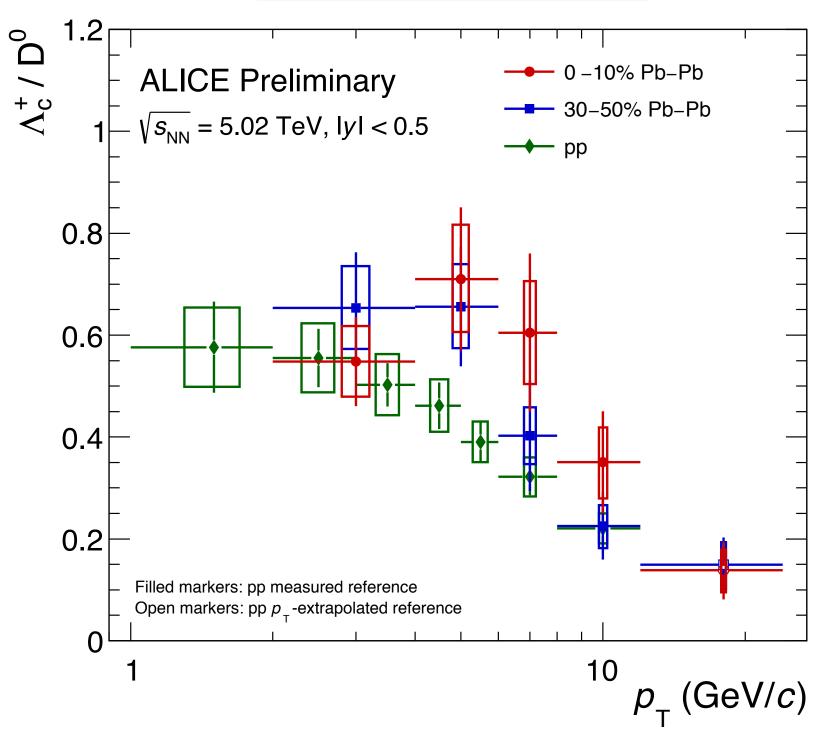
ALI-DER-314630





- **Charm baryon-to-meson ratio in pp**: factor ~3 larger ($p_T < 5 \text{ GeV}/c$) than what
- Challenge for universality of the fragmentation functions? -> z-value measurement

Λ_c/D in pp, Pb-Pb



expected from e⁺e⁻ collisions: needed to conclude

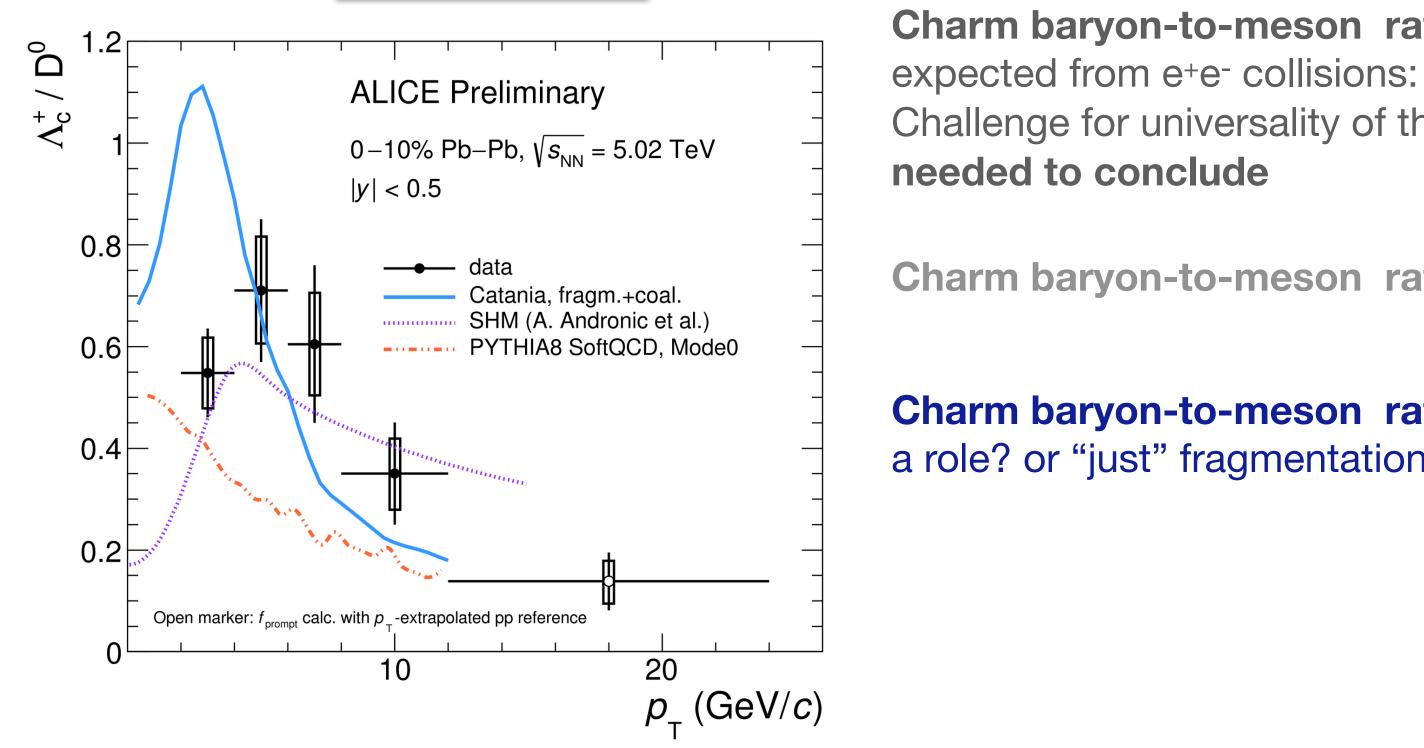
ALI-PREL-323761

a.grelli



- **Charm baryon-to-meson ratio in pp**: factor ~3 larger ($p_T < 5 \text{ GeV}/c$) than what
- Challenge for universality of the fragmentation functions? -> z-value measurement
- **Charm baryon-to-meson ratio in Pb-Pb**: Similar results as in pp but slightly larger

 Λ_c/D in Pb-Pb



ALI-PREL-325749

a.grelli

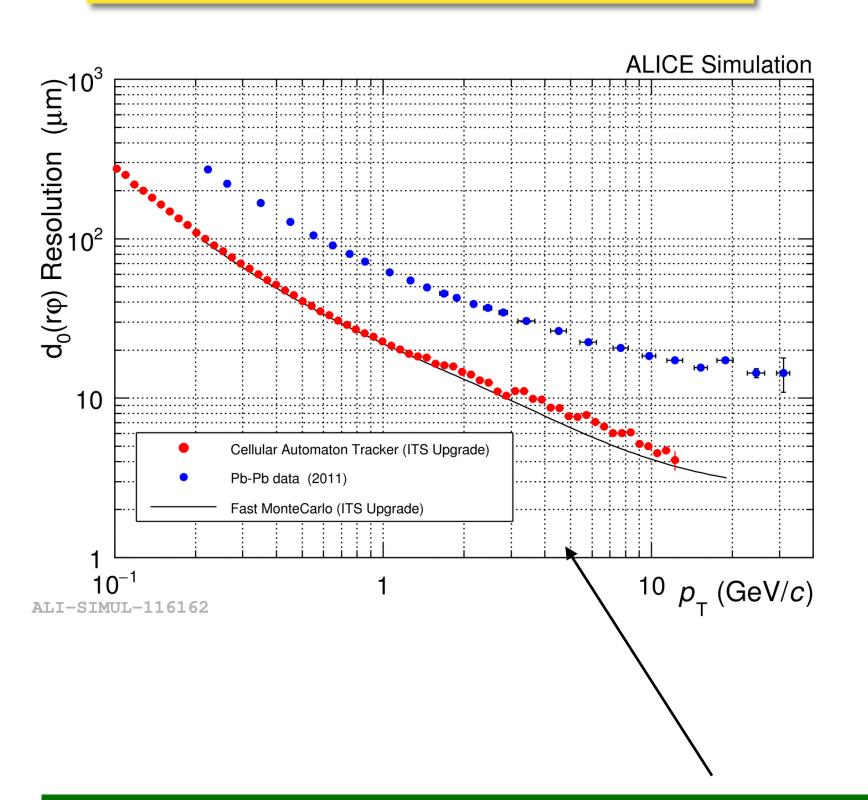


- **Charm baryon-to-meson ratio in pp**: factor ~3 larger ($p_T < 5$ GeV/c) than what
- Challenge for universality of the fragmentation functions? -> z-value measurement
- **Charm baryon-to-meson ratio in Pb-Pb**: Similar results as in pp but slightly larger
- **Charm baryon-to-meson ratio in Pb-Pb**: Does hadronization via recombination play a role? or "just" fragmentation? -> need more precision to conclude (stat. and syst)





ALICE upgrade: new tracker



expected from e⁺e⁻ collisions: needed to conclude

Factor 3 improvement in r- φ resolution: ~20 μ m at 1 GeV/c in Pb-Pb!



- **Charm baryon-to-meson ratio in pp**: factor ~3 larger ($p_T < 5 \text{ GeV}/c$) than what
- Challenge for universality of the fragmentation functions? -> z-value measurement
- **Charm baryon-to-meson ratio in Pb-Pb**: Similar results as in pp but slightly larger
- **Charm baryon-to-meson ratio in Pb-Pb**: Does hadronization via recombination play a role? or "just" fragmentation? -> need more precision to conclude (stat. and syst)
- **ALICE upgrade:** Future is coming fast and soon we will be able to collect and analyse LHC run III data -> Nikhef among the main players on ALICE tracker upgrade





