Hadron Cascades in CORSIKA 8 (C8)
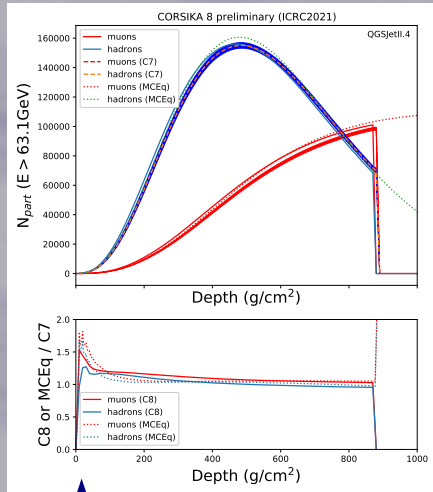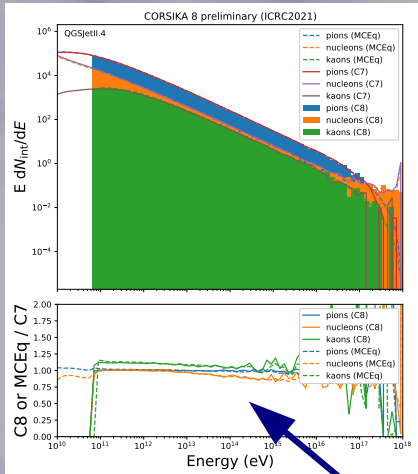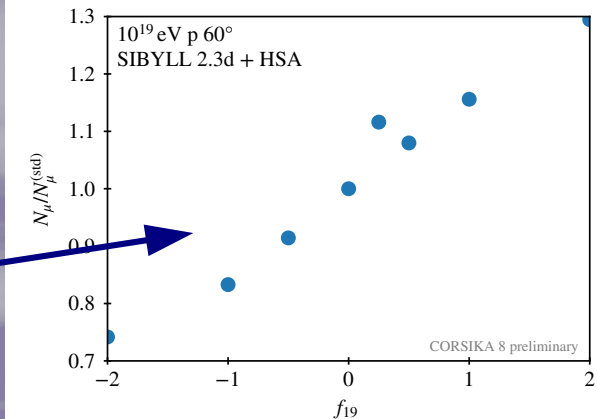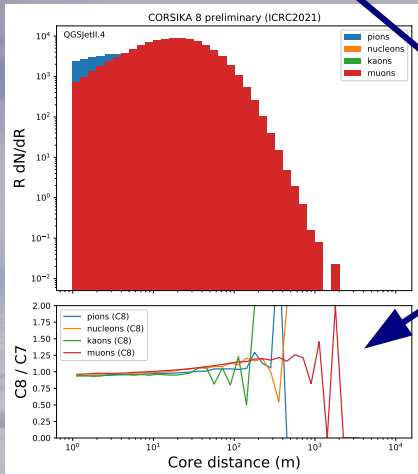

Rho0/Pi0 only affects N_μ in air showers and no other observables

Showers hitting water can be simulated in detail with C8

- <u>Perfect agreement MCEq/C8</u>
- <u>Slight deviations to C7</u>
- <u><10% modeling uncertainty</u>
- <u>LDF slightly wider in C8</u>
- <u>C7 profile slightly slower than C8/MCEq</u>