Contribution ID: **295** Type: **Poster**

Parton distribution functions of Deltaˆ+ on the lattice

Tuesday 18 June 2019 19:10 (20 minutes)

We present the unpolaried parton distribution functions of Δ^+ baryon in lattice simulation based on large momentum effective theory. We use $N_f = 2 + 1 + 1$ twist mass fermion with colver term and pion mass is 260 MeV. The simulation is done using fixed sink sequential inversion method with Gaussian-momentum-smeared source while the largest baryon momentum is 1.2GeV .By comparing the $\bar{d} - \bar{u}$ content in the proton with Δ^+ baryon,the role of chiral symmetry in generating the sea flaovr asymmetry is tested.

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Session Classification: Poster

Track Classification: Hadron structure