



Contribution ID: 352

Type: **Poster**

The specific charged hadron multiplicity in e^-+p and e^-+D semi-inclusive deep-inelastic scattering in the PYTHIA and PACIAE models

Tuesday, 29 September 2015 16:30 (2 hours)

We employed the PYTHIA 6.4 model and the extended parton and hadron cascade model PACIAE 2.2 to comparatively investigate the DIS normalized specific charged hadron multiplicity in the 27.6 GeV electron semi-inclusive deep-inelastic scattering off proton and deuteron. The PYTHIA and PACIAE results calculated with default model parameters not well and fairly well reproduce the corresponding HERMES data, respectively. In addition, we have discussed the effects of the differences between the PYTHIA and PACIAE models.

On behalf of collaboration:

[Other]

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Session Classification: Poster Session

Track Classification: Electromagnetic Probes