

Charge measurement in Section 2 of GSI 2019 data taking Oxy@200 MeV on C₂H₄

Thursday, 11 June 2020 18:00 (30 minutes)

The section 2 of the emulsion spectrometer is dedicated to the charge measurement. We will show the results for the exposure $^{16}\text{O}@200\text{ MeV}$ on C_2H_4 , done at GSI in 2019.

For the evaluation of differential cross section, the association of tracks in S2 to vertices is crucial. A multivariate approach has been investigated to select vertices coming from the beam and reject those due to random tracks combinations. Results will be shown.

Primary author: GALATI, Giuliana (NA)

Co-authors: ALEXANDROV, Andrey (NA); DI CRESCENZO, Antonia (NA); DE LELLIS, Giovanni (NA); GENTILE, Valerio (GSSI); IULIANO, Antonio (NA); LAURIA, Adele (NA); MONTESI, Maria Cristina (NA); PASTORE, Alessandra (BA); TIOUKOV, Valeri (NA)

Presenter: GALATI, Giuliana (NA)

Session Classification: Analysis (ii)