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Mean pion multiplicities in Ar+Sc collisions

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The investigation of preliminary results for mean negatively charged pion multiplicities $\langle \pi^- \rangle$ from Ar+Sc collisions is the main topic of the talk.

The data has been taken recently by the NA61/SHINE collaboration for a wide range of momenta - 13, 19, 30, 40, 75 and 150 A GeV/c. Starting with rapidity distribution of differential spectra

$\frac{dn}{dy}$ extrapolated to unmeasured regions, the procedure of obtaining the final multiplicities is presented. The mean number of wounded nucleons

$\langle W \rangle$ extracted from Glissando MC model is used to obtain the $\langle \pi^- \rangle / \langle W \rangle$ ratio. Using data from other experiments,

the comparison of $\langle \pi^- \rangle / \langle W \rangle$ for different collisions and momenta is discussed.

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