

Neutron skin- calculations for Pb+Pb, proton+Pb, antiproton+Pb at $p \sim 1$ AGeV (and higher momentum) collisions.

Friday 19 July 2024 20:45 (15 minutes)

The poster will show the aspect of neutron skin and links of this topic with different areas of physics. After a theoretical introduction and examples of where neutron skin research can be used, I would like to show calculations made in recent months. Pb+Pb, proton+Pb, antiproton+Pb collisions at a high momentum were studied, and simulations were done with the UrQMD program. Among the calculations could be found: the net charge (total and for pions), the average total charge, or the multiplicity of the number of pions (positive to negative) for a large (peripheral) collision parameters and other.

Alternate track

I read the instructions above

Yes

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