

MULTIPLICITY AND PSEUDORAPIDITY DISTRIBUTIONS OF PHOTONS IN S+Au REACTIONS AT 200 A·GeV

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The photon multiplicity has been measured for the first time in S+Au collisions at 200 A·GeV over a wide pseudorapidity range ($2.8 \leq \eta \leq 5.2$) employing a fine granularity preshower detector. The pseudorapidity density is determined over a varying range of centralities and shows an increasing behavior with centrality, reaching ~ 200 at the highest centrality studied. The results are compared with the measurements of charged particle multiplicity and with the predictions of the VENUS event generator.

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