First results on central Pb+Pb collisions at 40 AGeV

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Abstract

New data on charged pion and kaon production in central Pb+Pb collisions at 40 AGeV are presented, in particular transverse momentum and rapidity distributions as well as total multiplicity are measured. The results are compared with those at lower (AGS and below) and higher (top SPS and RHIC) energies. A non-monotonic behavior of K^+/π^+ ratio is indicated by the 40 AGeV results. Bose-Einstein correlations for negative pions are found to be similar to those at top SPS energy.