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Antimatter production in pp and in heavy-ion collisions at ultrarelativistic energies

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One of the striking features of particle production at high beam energies is the near equal abundance of matter and antimatter in the central rapidity region. In this paper we would like to study how this symmetry is reached as the beam energy is increased. In particular we quantify explicitly the energy dependence of the approach to matter/antimatter symmetry. Expectations are presented for the production of more complex forms of antimatter like antihypernuclei.

Level (Hons, MSc, PhD, other)?

PhD

Consider for a student award (Yes / No)?

No

Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

Yes

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