Contribution ID: **14** Type: **Oral Presentation**

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

Friday, 15 July 2011 11:15 (30 minutes)

<p>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

Primary author: Prof. CLEYMANS, Jean (University of Cape Town)

Presenter: Prof. CLEYMANS, Jean (University of Cape Town)

Session Classification: Theoretical

Track Classification: Track G - Theoretical and Computational Physics