

Highlights from PAC'05

Elena Benedetto

RLC meeting, 3/6/05

A lot of interesting talks...

Awards:

- R.Davidson, IEEE NPSS price
 - Collective instabilities
- A.Piwinski, USPAS price
 - Very nice and intuitive talk about IBS
- W.Leemans, USPAS price
 - Plasma wake-field accelerators

Plenary sections:

- Special session: Einstein and the World year of Physics
 - S.Chattopadhyay, M.Turner, M.Kobayashi, Y.Suzuki, C.Rubbia

A lot of interesting talks...

- W.Fischer, Performance Limitations in High-Energy Ion Colliders, BNL
 - space-charge, IBS, charge exchange, transition crossing + EC (RHIC), energy deposition in cold magnets (LHC)
 - Plasma wake-field accelerators section
 - E-cloud and collective processes section
 - M.Pivi, A.Molvik, A.Ghavam, J-L.Vay, ...
 - K.Sonnad, Halo formation due to SC, SLAC
- ...many many others, haven't fully understood them, but nice to have an idea! ;o)

...posters...

- I. V. Sideris, Characterization of the Chaotic or Regular Nature of Dynamical Orbits: a New, Fast Method, Northern Illinois University
 - Makes use of a very small number of orbital periods
 - Time dependent systems: transition from regular to chaotic and viceversa
 - Time independent: distinction between sticky and widely chaotic orbits
- P.Mueggli, USC
 - Halo growth in positron wake field accelerators
 - Look at the emittance of each slice

...looking forward for the proceeding of the conference to get the papers of talks and posters

...and discussions

- Giovanni Franchetti
 - Planning of studies of slow emittance growth
- Tom Katsouleas
 - Wants me to go to USC to work on QuickPIC
- Scott Berg
 - Concern about magnetic field created by localized EC
- ...

...I met Vadim Dudnikov!!!

- First to see electron cloud in '65, in Novosibirsk

1 complain:

3 parallel sections +

3 poster sections =

...a MARATHON !!!

