

seminars

INTERSECTING STORAGE RINGS SEMINAR

Monday, June 9
14.30
ISR Auditorium
(Top floor of Building 30)

"Pressure Measurements for the ISR",
by C. Benvenuti

CERN COLLOQUIUM

Tuesday, June 10
16.30
Auditorium

"Astronomy - Now",
by R.M. West / ESO Sky Atlas Laboratory

Abstract : The goal of astronomy - to understand the history of the Universe and of its constituents - is still far away, but there has been a tremendous progress during recent years. Old problems can now be studied in much greater detail than before, thanks to sophisticated equipment and better understanding of the physics of celestial bodies.

A brief review of the present research frontiers in some of the major fields of astronomy will be given, and some of the main unsolved questions are discussed.

The talk is illustrated with slides and the Apollo - 15 film will be shown.

NP MEETING

Tuesday, June 10
11.00
Theory Conference Room
(Lab. 4, 3rd floor)

"Recent Developments in Hadron Calorimetry
by C. Fabjan

CERN PARTICLE PHYSICS SEMINAR

Thursday, June 12
16.30
Auditorium

"Ultra-Short Lifetimes in Nuclear and Particle Physics by the Crystal Blocking Technique",

by G.M. Temmer / Rutgers (USA) and Aarhus (Denmark)

Abstract : We have measured time delays between the absorption and emission of protons by germanium nuclei in the range 10^{-16} to 10^{-18} second, corresponding to mean level widths between 5 and 500 eV. Extensions to the domain of particle physics will be discussed. Measurements of lifetimes of resonances with widths up to several MeV do not seem to be out of the question.

CERN COMPUTER SEMINAR

Thursday, June 12
14.00
Council Chamber

"VM/370",
by D. Newson / IBM Brussels

CERN PARTICLE PHYSICS SEMINAR

Friday, June 13
16.30
Auditorium

"Neutrino interactions on protons at Fermilab energies",
by F.A. Nezrick / FNAL, Batavia

ISR DISCUSSION MEETING BETWEEN THEORISTS AND EXPERIMENTALISTS

Thursday, June 12
14.00
ISR Amphitheatre
(Building 30 - 7th floor)

"Large transverse momentum phenomena", (once again)

The purpose of this meeting will be to confront and discuss new pieces of information coming from experimentation with the split field magnet. Two groups (CERN 412 and CERN-Collège de France-Heidelberg - Karlsruhe) will present their results.

The meeting will start with a presentation of data on large p_T production of stable (and unstable) particles observed at relatively forward angles in the SFM (A. Putzer from CCHK). This presentation will include a general introduction about experimentation at the SFM.

The meeting will continue with the discussion of correlation results (momenta and charges) involving a large $p_T \pi^0$ (A. Seiden from CERN412).

After the coffee break we will follow the fireball approach with R. Hagedorn and, finally, new results on correlations involving a large p_T particle at relatively forward angles will be presented (G. Fontaine from CCHK). Momentum and charge correlations again.

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CERN COLLOQUIUM

Tuesday, June 17
16.30
Auditorium

"Neutron Beam Research",

by R. Mössbauer / Laue-Langevin Institute, Grenoble

Abstract : The talk will provide a short description of the Institute Max von Laue - Paul Langevin, its highflux reactor and its unique installations, such as its cold and hot moderators, its neutron guides and its wide diversity of neutron spectrometers. The research programme extends from studies of the neutron itself to studies of the static and dynamic behaviour of solids and liquids to studies of problems in chemistry, metallurgy and biology.

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PRESENTATION TECHNIQUE

Wednesday, June 11
09.30 - 16.30
TC-L Conference Room
Building 17 - 1st floor
Languages : English - German

Acutronic AG (CH), representative of Nicolet Scientific Corporation (USA), will demonstrate his UA - 500 A : 500 - line ubiquitous real-time spectrum analyzer calculator with built-in dual memory averager.

Information : M. Diraison/FIN/4585

enseignement

ACADEMIC TRAINING

Mercredi 11 Juin
Jeudi 12 Juin
Vendredi 13 Juin
11.00
Amphithéâtre

"Les nouvelles particules" (pour non-physiciens),
par P. Sonderegger

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ENSEIGNEMENT GENERAL

Jeudi 12 Juin
13.00 - 13.30
Amphithéâtre

"Science pour tous", par R. Carreras

Programme : (pour détails, voir affiche)

1. Vu, lu et entendu.
2. Question : L'air humide est plus léger que l'air sec. Comment se fait-il alors qu'il se maintienne dans certaines dépressions du terrain ?
3. Thème principal :
"L'effet Kirlian et ses interprétations".