

accelerated together. We generally find greater radio emission than can be explained by compression of the swept up material so additional particle acceleration is necessary. There are significant differences between remnants. For example, the Cygnus Loop consists of very fine unresolved filaments whereas CTBI has much broader and smooth, but still filamentary, structures. More detailed theoretical work on shocks and hydromagnetic turbulence is needed to explain these phenomena.

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *

"Lepton physics"

by L. Maiani/University of Rome and Ecole Normale Supérieure/Paris

Abstract : Present theoretical understanding of the weak and electromagnetic interactions is based on spontaneously broken gauge theories, the simplest and most successful one being the Weinberg-Salam theory, based on $SU(2) \times U(1)$. Within this scheme, lepton physics at present energies is determined by the lepton charges and weak isospin. In this seminar, the available data will be compared to the simplest quantum number assignment of the known leptons. In particular, the following will be discussed :

- 1) the QED computations of e and μ ($g-2$)
- 2) the weak isospin of righthanded electrons
- 3) T decays and the mass of ν_τ .

Speculations concerning new leptons at higher energies will be illustrated at the end.

(*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 16.00 hrs to meet the speaker and for informal discussions. Tea and coffee will be provided.

VENDREDI 20 OCTOBRE

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POUR INFORMATION	/	FOR INFORMATION
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SEMINAIRE DU LAPP

à 10h30 - Amphithéâtre du LAPP

Laboratoire d'Annecy-le-Vieux de Physique des Particules - Chemin Bellevue, Annecy-le-Vieux, (Haute-Savoie, France)

"Production du ψ , du ψ' et du fonds Drell-Yan à 150 GeV/c"

par P. Borgeaud/DPHPE SACLAY

Résumé : Les mécanismes de production du ψ , du ψ' et du fonds seront étudiés. On présentera les distributions en x , en p_T et en $\cos \theta$ Jackson. On discutera les sections efficaces obtenues et le scaling.

Renseignements complémentaires auprès de H. Pessard/CERN-EP, Tél. 6526 ou Laboratoire d'Annecy-le-Vieux, Tél. (023) 23.32.45, int. 327.

FRIDAY 20 OCTOBER

TECHNICAL PRESENTATION

at 14.00 hours

Room 2-005 - Bldg 13 F-2 CERN site layout

TEXAS INSTRUMENTS (D/USA) represented by FABRIMEX AG (CH) will give a lecture on the theme : Present status and future trends of Texas Instruments' MOS Memories 16 K, 32 K and 64 K EPROMA - 16 K and 32 K static RAMs compatible with 16 K and 32 EPROMA - 64 K dynamic RAM - 64 K CCD - memory - present and future status of TI Bubble Memories.

Languages : English, German

Enquiries : M. Diraison/FI/4585

MONDAY 23 OCTOBER

EP SEMINAR

at 11.00 hrs - EF Conference Room

Bldg 13-2-005

"What have we learned on the nucleon form factors from neutrino experiments"

by B. Conforto/INFN - Rome

CERN NUCLEAR PHYSICS SEMINAR

at 11.00 hrs - TH Conference Room

"Recent advances in the theory of nuclear and dense matter"

by J. Clark/Washington University, St-Louis

TRAINING AND EDUCATION ENSEIGNEMENT

JEUDI 19 OCTOBRE

ENSEIGNEMENT GENERAL

13h00 - 13h30 - Auditorium

"Science pour tous"

par R. Carreras/CERN

Il n'y aura pas d'exposé le 26 octobre.

Le prochain aura lieu le jeudi 2 novembre.

TUESDAY 24- WEDNESDAY 25 OCTOBER

ACADEMIC TRAINING

11.00 hrs - Auditorium

"Programming methods and languages"
lectures 1 & 2

by N. Wirth/ETH, Zürich

(for abstract, see next week's Bulletin and notices)