

THURSDAY 11 DECEMBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"Recent Results in Intermediate Energy
Pion- and Proton-Nucleus Inelastic
Scattering at Los Alamos"

by H.A. Thiessen / LAMPF, Los Alamos, and
CERN

Abstract : Two high resolution spectrometer systems have been constructed at LAMPF : EPICS, for 100-300 MeV pions; and HRS, for 300-800 MeV protons. Recent experimental results using these instruments will be discussed. In particular, protons have been used to discover a new high energy giant octupole resonance and to search for pion condensate precursor effects. The study of the pion-nucleus effective interaction has led to the discovery of strong isospin mixing effects in several N=Z nuclei. Pion double charge exchange, (π^+ , π^-), has been used to measure the masses of several previously unobserved proton rich nuclei. Directions for future research will be emphasized.

*) 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.

MONDAY 15 DECEMBER

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(Top floor of Building 30)

"Review of ISR Physics in 1980"

by L. Camilleri / ISR Coordinator

EP SEMINAR

at 17.00 hrs - Auditorium

"Charge-Coupled Devices for Particle
Detection with High Spatial Resolution"

by C. Damerell / Rutherford Lab.

TUESDAY 16 DECEMBER

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"Theory of Supernovæ"

by G.E. Brown / NORDITA

THURSDAY 18 DECEMBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Studies of b Quark Using Cornell e^+e^-
Storage Ring"

by F.M. Pipkin / Harvard Univ., and CERN

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POUR INFORMATION / FOR INFORMATION

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VENDREDI 12 DECEMBRE

SEMINAIRE DU LAPP

à 10h30 - Amphithéâtre du LAPP

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

"Résultats de LENA sur le T, T' à DORIS"

par A. Fridman / DESY-Saclay

Résumé : Quelques résultats nouveaux sur les résonances T et T' obtenus avec le détecteur LENA à DORIS seront présentés. On discutera de la détermination de $\Gamma_{\mu\mu}$, Γ_{tot} et α_s pour ces résonances et de la production hadronique dans leurs désintégrations. On donnera des résultats sur la multiplicité chargée entre 7 et 10 GeV.

Renseignements complémentaires auprès de :

H. Pessard/CERN/EP, tél. 6526, ou Laboratoire
d'Annecy-le-Vieux, tél. (023) 23.32.45, int.327.

TRAINING AND EDUCATION ENSEIGNEMENT

JEUDI 11 DECEMBRE

ENSEIGNEMENT GENERAL

(Tél. 2844)

13h00/13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras

MONDAY 8, WEDNESDAY 10 AND FRIDAY 12 DECEMBER

ACADEMIC TRAINING

(Tel. 2844)

- at 11.00 hrs - Auditorium

"Particle Detection"

Monday 8 December : Lecture 7

"Particle identification and Calorimetry"
by C.W. Fabjan

Wednesday 10 December : Lecture 8

"Calorimetry"
by C.W. Fabjan

Friday 12 December : Lecture 9

"Applications and Detector Systems"
by H.G. Fischer

- at 11.00 hrs - Auditorium

"Particle Detection"

December 15 : Lecture 10, by H.G. Fischer

December 17 : Lecture 11, by H.G. Fischer

December 19 : Lecture 12, by G. Charpak