

# seminars

## INTERSECTING STORAGE RINGS COMMITTEE

Monday, May 27  
09.30  
Council Chamber

### Open Session

1. Presentation by R.W. Dobinson of the Proposal to Measure the Ratio of the Real to the Imaginary Part of the Proton-Proton Strong Interaction Forward Scattering Amplitude at the Highest ISR Energies, CERN-Rome collaboration.
2. Presentation by F.C. Ern  of the Proposal for an Experiment on Diffraction Dissociation at Small Momentum Transfers, CERN-Holland-Manchester collaboration.
3. Report by K. H bner on Possibilities for Storing Antiprotons in the ISR.

Monday, May 27  
14.30  
ISR Conference Room  
(L 30/6-003)

### Closed Session

## PRESENTATION TECHNIQUE

Jeudi 30 mai  
de 10h.00   12h.00  
Salle conf rence TC  
(B t. 13, 2 me  tage)

Les Laboratoires d'Electronique et de Physique Appliqu e (F) proposent une conf rence sur les multiplicateurs d' lectrons   microcanaux et leurs applications :

- intensificateurs d'images   haute r solution
- photomultiplicateurs   multianodes pour analyse spatiotemporelle.

Langue : fran ais.

Renseignements :  
M. Diraison/4585

## SPECIAL SEMINAR

Thursday, June 6  
16.30  
Auditorium

"Light Particle Accelerators of a Few Hundred MeV for Medicine and Nuclear Physics."

by U. Schmidt-Rohr / Max-Planck-Institut f r Kernphysik, Heidelberg  
Abstract : We would like to report a study by a group of the Institut

f r Nuklearmedizin im Deutschen Krebsforschungszentrum and the 'Max-Planck-Institut f r Kernphysik' about the potentialities of proton- and alpha beams of a few hundred MeV in medicine and nuclear physics. The tumor therapy, the radiography and the localization studies will be compared for protons (250 MeV), alpha particles (700 MeV) and pions (200 MeV/c) of 30 cm range in human tissue. The physical and biophysical aspects will be treated in detail.

The potentialities of proton deuteron and alpha particle beams of a few hundred MeV for studies of the inner nuclear structure will be discussed on the base of recent results at particle energies between 50 MeV and 100 MeV. The possible progress with particle beams of good energy homogeneity will be demonstrated.

# enseignement

## ENSEIGNEMENT GENERAL

Science pour tous

L'amphith  tre n' tant pas disponible, la s ance du 30 mai est supprim e.