

Thursday 24 March

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Neutrino exploration of the earth

by Alvaro DE RÙJULA / CERN

We examine three ways to 'X-ray' the underground with the neutrino beam from a few-TeV proton accelerator. Project GENIUS, a search for oil and gas, employs the sound coherently produced at a few kms. depth by millions of neutrino interactions. Project GEMINI, a search for high-Z ores, analyses the neutrino-induced muons emerging from the last few kms. of the neutrino-beam underground voyage. Project GEOSCAN is a flux independent way to determine the Earth's diametrical density profile. Neither the challenge to deploy a (modestly) mobile neutrino beam, nor the pecuniary incentives of GENIUS and GEMINI, have escaped our attention.

*) Tea and coffee will be provided at 16.00 hrs.

Monday 28 March

EF SEMINAR

at 11.00 hrs – EF Conference Room

bldg. 13, 2-005

The Wire Chamber Conference Vienna 1983

by W. WITZELING / EF

Monday 28 March

TECHNICAL PRESENTATION

at 14.00 hrs – DD Amphitheatre, bldg. 31, 3rd fl.

Research directions in high-end scientific computing

by Frederic N. RIS /

IBM Yorktown Heights, USA

Thanks to advances made in integrated circuit and design automation technologies in the 1970s, designers of future supercomputing systems have two very different approaches to consider. One is to find increasingly efficient uniprocessor machine organizations built from thousands of chips each containing a few dozen very-high-speed circuits. The other is to take hundreds of microprocessors each containing tens of thousands of circuits replicated at very low cost and find parallel processing structures applicable to some range of computational problems. The speaker will describe the work in IBM's Research Division which directly addresses future prospects for high-end, general-purpose engineering and scientific computation.

Wednesday 30 March

ISOLDE SEMINAR

at 10.30 hrs – Theory Conference Room

Contributions to the neutrino oscillation problem by electron spectroscopy

by K. SCHRECKENBACH / ILL, Grenoble

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GÉNÉRAL

Tél. 2844

Jeudi 24 mars

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous -

par R. CARRERAS

Prochaine séance : jeudi 19 mai (en raison de travaux dans l'Amphi, les séances du 3^e trimestre ne pourront commencer qu'à cette date).

ACADEMIC TRAINING

Tel. 2844

21, 22, 23, 24, 25 March

11.00 hrs to 12.00 hrs – Auditorium

Synchrotron radiation and applications

by Y. PETROFF / Université de Paris-Sud

Lectures 1 to 5

(For abstract, see Bulletin last week.)

INFORMATIONS

GENERALES

GENERAL INFORMATION

ASSURANCE COLLECTIVE VIE FACULTATIVE

Les membres du personnel qui ont été assurés contre le risque de décès par le contrat cité ci-dessus durant la période du 1^{er} juillet 1981 au 30 juin 1982 recevront, avec leur salaire de mars 1983, la quote-part qui leur échoit de la participation aux bénéfices afférente aux **primes payées** durant cette période.

Département des Finances
Assurances

COLLECTIVE LIFE INSURANCE (OPTIONAL)

Members of the personnel insured under the above insurance during the period from 1 July 1981 to 30 June 1982 will receive, with their March 1983 salary, their share of the profits distribution relating to the **premiums paid** during that period.

Finance Department
Insurance