

### 3. Quelles sont les suites ?

Pour chaque déclaration, le Chef du Groupe Réception fera entreprendre les actions nécessaires en liaison avec les services compétents du CERN.

En règle générale, l'autorité compétente de l'Etat-hôte sera saisie par le dépôt, notamment, d'une plainte en cas de disparition de biens de l'Organisation.

En cas de disparition de biens n'appartenant pas à l'Organisation et de différends ou incidents d'ordre privé, l'intéressé, après avoir fait une déclaration, peut saisir l'autorité française ou suisse compétente; cette démarche et ses suites ne peuvent engager l'Organisation.

Groupe Réception  
Tél. 2152

## SEMINARS SEMINAIRES

### Monday 10 September

#### THEORETICAL SEMINAR

(PLEASE NOTE THE UNUSUAL DAY)

at 16.00 hrs – TH Conference Room

**Hard quark-quark scattering with  
exclusive reactions**

by G.M. BUNCE / Brookhaven

### Monday 10 September

#### EP SEMINAR

at 17.00 hrs – Auditorium

**Inclusive particle production in UA2  
at the Sp $\bar{p}$ S Collider**

by Eric LANÇON / Saclay

*New results on inclusive particle production cross-sections have been obtained at the Sp $\bar{p}$ S Collider using the UA2 detector. Cross-section measurements are presented for  $\pi^0$  production up to  $p_T = 40$  GeV/c, for  $\eta$  production up to 6 GeV/c and for charged particle production up to 10 GeV/c. They are compared to the jet production cross-section and to QCD predictions.*

### Tuesday 11 September

#### CERN COLLOQUIUM

at 16.30 hrs – Auditorium\*

**Recent work on solar neutrons and on the  
Helium isotopes in the galactic cosmic rays**

by Peter MEYER / Enrico Fermi Institute,  
University of Chicago

*An experiment on the ISEE-3 satellite was used to identify protons that arise from the decay of energetic solar neutrons in interplanetary space, and to measure their energy spectrum and fluence. Of the two stable isotopes of Helium in the cosmic radiation  $^4\text{He}$  is accelerated in the sources, while  $^3\text{He}$  is produced in interactions with in-*

### 3. Further action

Every time a report is made, the Head of the Reception Group will arrange for the appropriate CERN services to take the action required.

Usually, if property belonging to the Organization has disappeared, a report will be lodged with the appropriate Host State authorities.

In the event of the disappearance of property not belonging to the Organization or of private disputes, the person concerned should make a report and may then take the matter up with the appropriate French or Swiss authorities. The Organization will not be liable for this action or its consequences.

Reception Group  
Tel. 2152

*terstellar matter. A measurement of the  $^3\text{He}/^4\text{He}$  abundance ratio around 12 GV showed that about twice as much interstellar matter is traversed by the Helium nuclei than by heavier nuclei. We shall discuss the experiments and their implications.*

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

### Wednesday 12 September

#### PROTON SYNCHROTRON AND SYNCHRO-CYCLOTRON COMMITTEE

##### Open session

at 09.00 hrs – Council Room

1. *Information from the Chairman.*
2. *Report on the Workshop on the ISOLDE Programme held at Zinal, June 18-22, 1984 (J. Kluge).*
3. *Status report on IS 70, Laser spectroscopy of alkalis [Orsay (René Bernas C.S.N.S.M.)-Orsay (Aimé Cotton)-Bonn-Saclay-GANIL-Lyon; PSCC/84-38/M199; C. Thibault].*
4. *Proposal : Study of Gamow-Teller transitions related to the two-neutron emission mode at ISOLDE (Strasbourg-Lyon-ISOLDE Collaboration; PSCC/84-39/P75; 84-40/S75; G. Walter).*
5. *Report from the PS and SC Co-ordinators.*

##### Closed session

at 14.30 hrs – 6<sup>th</sup> Conference Room.

### Wednesday 12 September

#### PS SEMINAR

at 11.00 hrs – PS Auditorium (bldg. 6, 2-024)

**Report on the 1984 Snowmass  
Summer study on the SSC**

by E. KEIL, R. PERIN, W. SCANDALE /  
CERN

*Facts and impressions on the 1984 Summer Study on the Design and Utilization of the Superconducting Super Collider will be presented with particular emphasis on machine physics and magnets. Information on the present status of superconducting magnet development on some major US laboratories and on the Tevatron operation at 800 GeV will also be given.*

## Wednesday 12 September

### THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

**Nambu-Jona Lasinio model as an effective Lagrangian for QCD**

by R. SHANKAR / Tata Institute, Bombay

## Thursday 13 September

### TECHNICAL PRESENTATION

09.00 hrs to 16.00 hrs – Parking PTT  
(bldg. 63)

*KIENER AND WITTLIN (CH) are exhibiting : LINDAPTER (GB) hook-bolt adapters range - a unique system of fixing to steelwork without site drilling or welding (applications consisting of pipe supports, beam clamps, monorail supports and conduit fixings). HALFEN fixing systems, from Halfeneisen GmbH and Co (D), in channel fixings for fixing boards of any type to concrete, brickwork and steel structures.*

Languages : English, German

Information : M. Diraison / FI / 4585.

## Jeudi 13 septembre

### PRESENTATION TECHNIQUE

09.30 h - 12.30 h et de 13.30 h - 16.00 h  
Parking PTT (bât. 63)

*Wandel + Goltermann AG (CH), filiale de W + G (D), et représentant de HDW (D) et Neuwirth (D) propose en exposition démonstration : - analyseur basse fréquence 15 Hz - 200 kHz, NFA-1; - appareils de mesure de tensions et de niveaux, large bande et sélectifs de 15 Hz - 160 MHz; - filtre universel programmable, UN-1; analyseurs de spectre NOWA-1, SNA-1; appareils de mesure MIC; - appareils de mesure, de simulation et de diagnostique pour systèmes de transmission de données; - réflectromètre et appareils de localisation de câbles (HDW); - Banc de mesure radio 1 GHz, Wattmètre 100 W / 1 GHz (Neuwirth).*

Langues : allemand, anglais, français

Renseignements : M. Diraison / FI / 4585

## Thursday 13 September

### CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium\*

**Measurement of the pion form factor**

by E.H. BELLAMY / Westfield College, London

*Accurate measurements of the electromagnetic form factor of the pion have been made between  $q^2$  values of  $-0.14$  to  $-0.24$   $\text{GeV}^2/c^2$  by scattering a beam of 300  $\text{GeV}/c$  negative pions on atomic electrons. Measurements in the time-like region  $0.1 < q^2 < 0.18$  were also made using positron beams of 100  $\text{GeV}/c$  to 175  $\text{GeV}/c$ . Preliminary results on the reaction  $\pi^- e^- \rightarrow \pi^- \pi^0 e^-$  will also be presented.*

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

## Friday 14 September

### CONFERENCE

at 14.30 hrs – Auditorium

**Science and culture**

by A. ZICHICHI / CERN

## Monday 17 September

### EP SEMINAR

at 17.00 hrs – Auditorium

**Observation of the E meson in central production and determination of its quantum numbers**

by Antimo PALANO / Department of Physics and INFN, Bari

*The apparently different spin-parity assignments being found for the enhancements in neutral  $K\bar{K}\pi$  mass spectra around 1.42  $\text{GeV}$  have aroused considerable interest due to the possibility of one of them being a glueball state. Results are presented of a spin-parity analysis on a sample of  $\sim 1000$  E mesons centrally produced in the appropriate reactions using positive pions or protons on protons at 85  $\text{GeV}/c$ . The experiment has been performed using the CERN  $\Omega'$  spectrometer.*

## Tuesday 18 September

### CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

**Experience and lifetime measurements with the TASSO Vertex Detector**

by B. FOSTER / University of Bristol and DESY

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POUR INFORMATION / FOR INFORMATION

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## Monday 10 September to Friday 14 September

### WRIGHT SCIENCE COLLOQUIA

Piaget Auditorium, University of Geneva,  
24, rue Général-Dufour

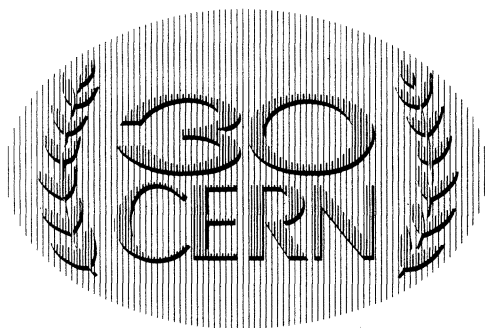
**Man and his universe**

A series of lectures on science for the non-scientist

|                         |               |                                                                                |
|-------------------------|---------------|--------------------------------------------------------------------------------|
| Monday, September 10    | 17.00 - 19.00 | Victor WEISSKOPF<br>"The Search for the Innermost Structure of Matter"         |
|                         | 20.00 - 22.00 | Francis CRICK<br>"The Origin of Life"                                          |
| Tuesday, September 11   | 17.00 - 19.00 | Eugene SHOEMAKER<br>"How Earth was made"                                       |
|                         | 20.00 - 22.00 | Hubert REEVES<br>"The First Moments of the Universe"                           |
| Wednesday, September 12 | 17.00 - 19.00 | Francis CRICK<br>"How we see Things"                                           |
|                         | 20.00 - 22.00 | Michael SELA<br>"The Biology of the Unexpected"                                |
| Thursday, September 13  | 17.00 - 19.00 | Michael SELA<br>"The Immune Response & Human Health"                           |
|                         | 20.00 - 22.00 | Eugene SHOEMAKER<br>"Bombardment of the Earth & Crises in the History of Life" |
| Friday, September 14    | 17.00 - 19.00 | Hubert REEVES<br>"The Growth of Complexity in an Expanding Universe"           |
|                         | 20.00 - 22.00 | Victor WEISSKOPF<br>"What happens at CERN"                                     |

*Tickets for lectures can be obtained gratis at the Foyer of the Piaget Auditorium, Bâtiment UNI II, University of Geneva, rue Général-Dufour 24, Geneva, from September 10 to 14 from 12.00 to 22.00.*

## INFORMATIONS GÉNÉRALES GENERAL INFORMATION



### LE CERN A L'ECRAN

Une série de bandes d'actualités relatant les débuts du CERN nous ont été aimablement prêtées par la Cinémathèque suisse. Elle seront présentées dans l'Amphithéâtre de 12.30 h à 14.00 h

les mardis 11 et 18 septembre et  
les jeudis 13 et 20 septembre.

### CERN IN THE NEWSREELS

A series of Newsreel clippings from the early days of CERN, kindly made available by the Cinematheque Suisse, will be shown in the Main Auditorium from 12.30 hrs to 14.00 hrs on

Tuesday 11 and 18 September and  
Thursday 13 and 20 September.

## PORTES OUVERTES

### NOUVEAUTE

Le samedi 15 septembre, vous aurez la possibilité de survoler les chantiers LEP en hélicoptère pour 100.- FF par personne.

Les Hôtesse vous indiquerons l'emplacement de cette manifestation.

