

seminars

EP SEMINARS

Monday, June 14
11.00
Auditorium

"Serpukhov Meeting on Future Accelerators"

by U. Amaldi and K. Johnsen / CERN

Abstract : In the period 17th - 25th May an international study group met in Serpukhov to discuss the future plans for high energy physics facilities. The delegations from the CERN Member States, Japan, U.S.A. and U.S.S.R. discussed (a) the physics projections, (b) the machines under discussion in the various regions, (c) the need for a larger international collaboration. These points will be brought forward in the seminar.

Monday, June 21
11.00
Large Conference Room
Lab. 13-2-005

"Results on a study of the inclusive reactions $K^+p \rightarrow \Lambda X^{++}$, $K^+p \rightarrow \bar{\Lambda} X^{++}$ and $K^+p \rightarrow p_s + X^+$ at 8.25 and 16 GeV/c."

by A. Stergiou / CERN

Abstract : Cross sections and single particle distributions for Λ and $\bar{\Lambda}$ are studied at 8.25 and 16 GeV/c. For inclusive production early scaling in the variables $(M^2 - M_{th}^2) / s$ and t is observed; a triple Regge analysis in these variables yields an exchange trajectory which passes through the K, Q and L mesons. The beam fragmentation in Λ and $\bar{\Lambda}$ production is investigated and the integration over the complete Chew-Low plot gives a fragmentation cross-section increasing approximately as $\log s$. Comparison with other reactions (e.g. $K^+p \rightarrow \pi^- X$) at these energies is done. For the reaction $K^+p \rightarrow p_s + X^+$ where p_s is a slow proton ($p_{Lab} < 1.2$ GeV/c), triple-Regge ideas are applied and the influence of the Δ^{++} (1236) on the inclusive spectra is studied.

SCC

Monday, June 14
09.00
Council Chamber

Provisional Agenda

1. Adoption of the Agenda
2. Minutes of the meeting of 9 March 1976 (CERN/SCC/76-6).
3. Announcements
4. Report on Irradiations at the PS (H. Ravn). Requests for machine time. Recommendations.
5. Report on the Status of the SC (E.G. Michaelis)
6. Report on the Research Programme of the ISOLDE Collaboration (O.B. Nielsen)
7. Report on the progress of the OMICRON Collaboration (N.W. Taylor)
8. Status reports on some experiments now in progress
9. Tentative schedule of the SC (E. Zavattini)
10. Date of next meeting (20 September and 6 December are proposed)
11. Any other business

SEMINAIRE ISR

Lundi 14 juin
14.30
Amphithéâtre ISR
(Bât. 30, 7ème étage)

"Chambres à vide en titane pour les ISR"

par J.C. Godot

Le titane est un matériau de choix pour la chambre à vide des anneaux de stockage à cause de sa transparence et de ses qualités de surface. Ces propriétés ne sont exploitables que si les problèmes posés par sa grande activité chimique et son faible module d'élasticité sont surmontés. Les progrès réalisés dans le domaine des techniques de soudure et de formage par superplasticité seront exposés.

ESO ASTROPHYSICS SEMINAR

Wednesday, June 16
11.30
ESO Conference Room
(Building 593 R-001-007)

"Gradients of the Heavy Element Abundances across the Disks of Spiral Galaxies"

by S. Collin-Souffrin / Observatoire de Meudon-Paris

CERN COLLOQUIA

Tuesday, June 15
16.00
Auditorium

"Particle production by Black Holes. The end chapter of High Energy Physics ?"
by G. Cocconi / CERN
Abstract : An elementary description of Black Holes as injectors of particles in the space outside and of the importance of this phenomenon for physics.

Thursday, June 17
16.00
Auditorium

"Black Holes and Thermodynamics"
by G.W. Gibbons / University of Cambridge
Abstract : The classical theory of black holes contains many striking analogies to the classical law of thermodynamics. Most striking is perhaps the law of non decreasing area. A study of the quantum theory of black holes shows that this area represents the entropy of the hole. This implies that black holes emit particles of all kinds thermally. If one could observe such a phenomenon one would obtain information about particle interactions at extremely high energies.

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CERN NUCLEAR PHYSICS SEMINAR

Monday, June 21
11.00
TH Conference Room

"Beta-delayed particle emission"
by B. Jonson / CERN and University of Göteborg
Abstract : Experiments on delayed particle emission are reviewed with special emphasis on the recent delayed alpha and delayed proton results obtained at the ISOLDE facility. Interpretations of the results within the frame work of the statistical model will be given, and the fluctuations in the spectra will be shown to provide an experimental tool for measuring level densities in nuclei far from stability.

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CERN PARTICLE PHYSICS SEMINARS

Tuesday, June 22
16.00
Auditorium

"Large transverse momentum hadrons from p-p, p-d and p-nucleus collisions at FNAL"
by J. Cronin / Chicago University

Thursday, June 24
16.00
Auditorium

"Vectolike weak interactions, massive neutrinos, and neutrino beam oscillations"
by H. Fritzsch / CERN/CALTECH

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CERN TRACK CHAMBER COMMITTEE

Monday, June 28
14.00
Council Chamber

1. Prof. L. Van Hove addressing the TCC.
2. Report on CERN Research Board Meetings.
3. Report on Bubble Chamber Operations.
4. Report on the European Hybrid Spectrometer Project.
5. Final Discussion on Proposal T 247 (CERN/TCC 75-28/Add.1) : Study of dd Interactions at 14 GeV/c in the DBC 200, Strasbourg.
6. Final Discussion on Proposal T 239 (CERN/TCC 76-6) : A High Statistics High Resolution Measurement of the Total and Partial $\bar{p}p$ Cross-Sections Between 1900 and 1965 MeV Total C.M. Energy, CERN-Frascati-Padova-Rome-Trieste.
7. Discussion on a future Bubble Chamber Users Committee.
8. A. Rousset : A Review of Results obtained in Heavy Liquid Bubble Chamber Experiments at CERN.
9. R. Armenteros : A Review of Results obtained in Light Liquid Bubble Chamber Experiments at CERN.