

SEMINARS SEMINAIRES

Tuesday 22 July

LEAR SEMINAR

at 16.00 hrs – TH Conference Room

Protonium spectroscopy with the ASTERIX spectrometer

by U. SCHAEFER / University of Munich
M. ZIEGLER / University of Mainz

Proton-antiproton annihilation at rest happens via the formation of antiprotonic hydrogen atoms. The ASTERIX Spectrometer detects X-rays in an energy range of 1-15 keV as well as charged annihilation products. The previous published observation of the atomic K-lines for annihilations into neutral states has been confirmed with higher statistics. A clear signal of L-K coincidences has now been seen for the first time, allowing the unique identification of the K-line contributions. Annihilation into charged final states leads to emission of 'inner Bremsstrahlung' with characteristic energy and angular distributions, superimposing the X-rays emitted during atomic cascade. After subtraction of the calculable 'Bremsstrahlungs' background the atomic K-lines of the proton-antiproton-system give a clear signal in this final channel too.

Wednesday 23 July

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Potentials from lattice gauge theory calculations

by C. MICHAEL / CERN-TH and DAMTP,
University of Liverpool

Results from numerical solutions of QCD using Monte Carlo simulation techniques on a space-time lattice will be presented and discussed. The emphasis will be on the potential between a heavy quark and antiquark – including the spin-dependent and spin-orbit components. Results for excited gluonic configurations which are relevant to hybrid meson spectroscopy will also be discussed. The presentation will be at a level accessible to experimentalists with an interest in meson spectroscopy.

Wednesday 30 July

DD SEMINAR

at 14.00 hrs – DD Auditorium
bldg 31, 3-005

SPARK – A highly parallel computer for molecular dynamics simulations

by W.E. RUDGE / IBM San Jose Research

Friday 1 August

CAS ACCELERATOR SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

The control system for the Fermilab accelerators

by D. BOGERT / Fermilab

SUMMER STUDENT LECTURE PROGRAMME

Date	Time	Lecturer	Title
This week			
Mon. 21 July	08.30	--	
	10.00	M. Albrow	Hard hadron-hadron collisions (1)
	11.15	F. James	Monte Carlo and random numbers (1)
Tue. 22 July	08.30	--	
	10.00	M. Albrow	Hard hadron-hadron collisions (2)
	11.15	F. James	Monte Carlo and random numbers (2)
Wed. 23 July	08.30	--	
	10.00	M. Albrow	Hard hadron-hadron collisions (3)
	11.15	U. Gastaldi	Some new possibilities established at LEAR for physics with low energy antiprotons

Next week

Wed. 30 July	08.30	--	The future of particle physics
	10.00	--	
	11.15	P. Darriulat	
Thu. 31 July	08.30	--	Introduction to strings and superstrings (1) Experiments on discrete symmetries (1)
	10.00	H. Nicolai	
	11.15	V. Telegdi	
Fri. 1 August	08.30	--	Introduction to strings and superstrings (2) Data analysis
	10.00	H. Nicolai	
	11.15	S. Cittolin	

All lectures will be held in the Main Auditorium and will be given in English (although questions in French are welcome).

Fellows and Associates Service
Tel. 4471/3

INFORMATIONS

GENERALES

GENERAL INFORMATION

TRAVAUX ROUTIERS

sur le Site de MEYRIN,
et sur la route du BA2 (France)

Des travaux de réparation routière sur chaussées commenceront le 21 juillet 1986 et dureront environ 3 semaines.

Les usagers sont priés de se conformer à la signalisation provisoire de chantier mise en place et de faire preuve de prudence.

Responsables :
C. Clairo, tél. 3805
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Division ST, Groupe SM/ED