

Thursday 6 August

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

The observation of charmless decays of B mesons

by Hartwig ALBRECHT / DESY

Using the Argus detector at the e^+e^- storage ring DORIS II, we have observed charmless decays of B mesons into the final states $p\bar{p}\pi^\pm$ and $p\bar{p}\pi^+\pi^-$. The significance of the signal corresponds to more than 5.5 standard deviations. The branching ratios are $(3.7 \pm 1.3 \pm 1.4) \times 10^{-4}$ for the three-body and $(6.0 \pm 2.0 \pm 2.2) \times 10^{-4}$ for the four-body final state. These decays are attributed to $b \rightarrow u$ quark transitions as indicated by our data, and their observation leads to the conclusion that the Kobayashi - Maskawa matrix element V_{ub} is non-zero.

* Tea and coffee will be provided at 16.00 hrs.

Friday 7 August

MEETINGS ON PARTICLE PHYSICS PHENOMENOLOGY

at 11.00 hrs – Theory Conference Room

Time reversal tests with polarized neutrons

by P. KABIR / CERN and University of Virginia

Spin-dependent interactions of neutrons cause modification of their polarization when they pass through a spin-ordered medium. Polarization-asymmetry theorems are established which provide unambiguous tests of T-invariance, both for parity conserving and non-conserving interactions.

Monday 10 August

TIS SEMINAR

at 14.30 hrs – PE Auditorium (Techn. Training)
Bldg 593, Room 11

Looking for hazards in LEP experiments

by R. DAVIES

The increasing scale and complexity of particle detectors makes a formal approach to hazard identification and assessment desirable. Techniques developed in the nuclear and process industries are now being applied to the four LEP experiments. The use of HAZOP (HAZard and OPERability Study) and Fault Tree Analysis will be described, using LEP case studies as examples.

The speaker, a visitor in EF Division, has a wide experience of the hazards and also accidents in many industries, having been for several years a member of a UK research organization which provided consultancy service on the scientific and technological aspects of insurance risks.

TRAINING AND EDUCATION ENSEIGNEMENT

SUMMER STUDENT LECTURE PROGRAMME

Date	Time	Lecturer	Title
This week			
Mon. 3 August	09.00	F. James	Monte Carlo and random numbers (1)
	10.30	V.F. Weisskopf	Science, technology and society
Tue. 4 August	09.00	F. James	Monte Carlo and random numbers (2)
	10.30	A. de Rujula	Weaker forces than gravity
Wed. 5 August	09.00	G. Conforto	e^+e^- physics (1)
	10.30	--	
Thu. 6 August	09.00	G. Conforto	e^+e^- physics (2)
	10.30	--	
Fri. 7 August	09.00	G. Conforto	e^+e^- physics (3)
	10.30	--	

Next week

Mon. 10 August	09.00 10.30	G. Conforto L. Stodolsky	e^+e^- physics (4) Neutrinos in astrophysics and cosmology (1)
Tue. 11 August	09.00 10.30	-- L. Stodolsky	Neutrinos in astrophysics and cosmology (2)
Wed. 12 August	09.00 10.30	R.K. Bock L. Stodolsky	Use of computers in high energy physics Neutrinos in astrophysics and cosmology (3)
Thu. 13 August	09.00 10.30	? ? --	Student session
Fri. 14 August	09.00 10.30	R. Stock M. Wilson	The search for quark matter Accelerators and superconductivity: a marriage of convenience

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

Services Educatifs

SERVICE D'APPUI LINGUISTIQUE DU CERN

COURS D'ANGLAIS ET D'ALLEMAND - SESSION 87-88

Les inscriptions pour les cours d'anglais et d'allemand sont ouvertes. Si vous êtes intéressé par ces cours, veuillez remplir le talon ci-dessous; un professeur prendra contact avec vous pour fixer un rendez-vous afin d'établir votre niveau et discuter de vos besoins.

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A retourner au Bureau des Professeurs d'anglais et d'allemand. - Bât. 54, R-027

NOM : _____
PRENOM : _____
DIVISION : _____
TELEPHONE : _____
LANGUE : Anglais / Allemand

LINGUISTIC SUPPORT

FRENCH LANGUAGE COURSES - SESSION 87-88

The regular programme of French courses will start again on the 28 September. Those who wish to enrol can do so already.

The teachers are at your disposal throughout the summer from Monday to Thursday (from 14.00 to 17.30). They will be glad to give you any further information about these courses. (Building 54, room R-031, tel. 3128 after-noons.)

Application forms are available by self-service in Building 54, room R-013. Alternatively you can request one by telephone.

The evaluation of your level of competence and the interviews to analyse your needs will begin during the last week of August.