

SEMINARS SEMINAIRES

Wednesday 1 August

THEORETICAL SEMINAR

at 14.00 hrs – Theory Conf. Room

An introduction to spin glasses

by D. GROSS / ENS, Paris

Spin glasses are magnetic systems whose interactions are random due to some frozen (quenched) disorder. The

characteristic feature of such a disordered system is the existence of many states of minimum free energy, separated by large barriers, and unrelated by a symmetry one to another. This can lead to a breakdown of ergodicity so that the equilibrium state depends on the initial conditions. It is believed that these are characteristic features of a wide class of disordered systems. A pedagogical review of the recent advances in the mean field description of spin glasses will be presented. In addition, an extremely simple spin glass model, which is exactly soluble, will be presented. This model provides an explicit illustration of the structure of the spin glass phase and a check on the methods used to analyse more realistic systems.

TRAINING AND EDUCATION ENSEIGNEMENT

SUMMER STUDENT LECTURES

This week

Mon. 30 July	08.30	C. Rubbia	History of $W^\pm$ and Z^0 searches
	10.00	E. Wilson	An introduction to accelerators (5)
	11.15	V. Weisskopf	Particles and symmetries (8)
Wed. 1 Aug.	08.30	---	
	10.00	V.L. Telegdi	Experiments on discrete symmetries (PCT) (1)
	11.15	V.L. Telegdi	Experiments on discrete symmetries (PCT) (2)

All lectures are given in English and are held in the Auditorium.

Fellows and Associates Service (4471).

Next week

Mon. 6 Aug.	08.30	L. Tauscher	Physics with low energy antiprotons at LEAR (1)
	10.00	W. Schlatter	Highlights in e^+e^- physics (1)
	11.15	B. Jonson	The ISOLDE programme : studies of exotic nuclei (1)
Tue. 7 Aug.	08.30	L. Tauscher	Physics with low energy antiprotons at LEAR (2)
	10.00	W. Schlatter	Highlights in e^+e^- physics (2)
	11.15	B. Jonson	The ISOLDE programme : studies of exotic nuclei (2)
Wed. 8 Aug.	08.30	W. Willis	Melting the vacuum with nuclear collisions
	10.00	W. Schlatter	Highlights in e^+e^- physics (3)
	11.15	V. Wotschack	Experimental searches for neutrino oscillations
	16.30	H. Schopper	High energy physics – where is it going ? (Please note unusual time)
Thu. 9 Aug.	08.30	F. Flückiger	Wide area networking for physics
	10.00	W. Schlatter	Highlights in e^+e^- physics (4)
	11.15	V. Weisskopf	Physics and society
Fri. 10 Aug.	08.30	---	
	10.00	Student session	
	11.15	---	

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