

# SEMINARS SEMINAIRES

---

## Monday 27 July

### EF SEMINAR

at 11.00 hrs – EF Conference Room  
bldg 13, 2-005

#### Update on Supernova 1987 A

by D.R.O. MORRISON / CERN-EP

*Recent observational results and a new phenomenon will be reported. New theories on the Supernova explosion will be critically discussed. A brief introduction to Supernova will be given initially.*

## Wednesday 28 July

### THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

#### Group theoretic approach to string theory

by P. WEST / CERN

*A new approach to string scattering is proposed. It is shown that a proper encoding of duality, overlap properties and unitarity leads to a complete determination of the perturbative S-matrix. As an example the external state dependence for any multiloop contribution is computed and is found to be determined by one group theoretic function.*

## Thursday 30 July

### CERN COLLOQUIUM

at 16.30 hrs – Auditorium\*

#### Schrödinger Centenary Lecture:

#### Erwin Schrödinger's scientific background and his invention of wave mechanics

by Jagdish MEHRA / Instituts Internationaux de Physique et de Chimie (Solvay), Université Libre de Bruxelles, and Center for Studies in Statistical Mechanics, University of Texas, Austin

*12 August 1987 marks the hundredth anniversary of the birth of Erwin Schrödinger in Vienna, Austria. In this commemorative lecture, I shall describe Schrödinger's growing up and education in Vienna, and his early scientific work there, his move to the University of Zurich in 1921 and his work there until 1925 on problems of atomic structure, colour vision and statistical mechanics. At the beginning of 1926, 'disgusted with the transcendental methods of matrix mechanics' of Born, Heisenberg and Jordan, Schrödinger embarked upon the creation of his alternative theory of 'Wave Mechanics'. He gave lectures about the new theory, its applications and tentative interpretation in Berlin, Munich and Copenhagen. The theory was immediately successful and was accepted by the scientific community. In the autumn of 1927, Schrödinger was appointed Planck's successor to the chair of theoretical physics at the University of Berlin.*

Tea and coffee will be provided at at 16.00 hrs.

## Tuesday 4 August

### CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

#### Mark II program at the SLC

by Jonathan DORFAN / SLAC

## Wednesday 5 August

### DD SEMINAR

at 16.00 hrs – DD Auditorium  
bldg 31, 3-005

#### IDA : an Interactive Data Analysis environment

by T.H. BURNETT / SLAC