

Advantages und disadvantages of various formulations for numerical field Computation will be reviewed and discussed. Emphasis will be put on the finite element method (FEM) as well as the boundary element method (BEM) basically the methods used by the IGTE-group at the Technical University in Graz. Applications and simulations of electrostatic, eddy-current and high frequency problems (microwave devices as wave guides, cavities, scattering problems) as well as the interaction between electromagnetic waves and human tissue will be demonstrated.

COGNE MEETING OF THE SPS AND LEAR COMMITTEE

29 May – 3 June 1995

We would like to remind you that the deadline for submitting documents is **28 March 1995**.

SPSLC Secretariat / 4270 /
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EDUCATION SERVICES EDUCATIFS

ACADEMIC TRAINING

Tel. 3127

LECTURE SERIES

27, 28, 29 & 31 March

11.00 to 12.00 hrs - Auditorium

Black holes and Quantum Mechanics

by F. WILCZEK / Institute for Advance Study,
Princeton, USA

Lecture 1 : A qualitative introduction to black holes.

In this lecture, I will discuss some of the salient features of black hole physics from a very qualitative point of view, emphasizing pictures and very simple formulas all without derivations.

- 1) Qualitative introduction to black holes : classical.
- 2) Qualitative introduction to black holes : quantum.
(Hawking radiance)

Lecture 2 : Model black holes and model collapse process.

- 1) The Schwarzschild and Reissner-Nordstrom metrics;
- 2) The Oppenheimer-Volkov collapse scenario.

Lecture 3 : Mode mixing.

Lecture 4 : From mode mixing to Hawking radiance.

ENSEIGNEMENT GÉNÉRAL

Tél. 5811

Jeudi 30 mars

à 13.00 h – Amphithéâtre

Science pour tous

par Rafel CARRERAS



ENSEIGNEMENT TECHNIQUE TECHNICAL TRAINING

Monique Duval ☎ 44.60
eductech@cernvm

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PERMANENCE BUREAUTIQUE

La prochaine permanence aura lieu le

3 avril 1995

Enseignement Technique

bât. 572 - salle 23

De 09 h.00 à 12 h.00, Valérie répondra aux questions que vous vous posez concernant l'utilisation des logiciels de bureautique (pas de rendez-vous préalable). Vous pouvez également poser vos questions par courrier électronique QuickMail à l'adresse suivante :

Valerie_Huret@adminmail1

Dès 14 h.00 – Atelier

WORD

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