

seminars

CERN COLLOQUIUM

Tuesday, February 8
16.30
Auditorium

"Black Holes"

W. Kundt / Hamburg - CERN

Abstract : Stars of more than two solar masses have no low temperature equilibrium configuration. If such a star, or core of a bigger star, manages to combust its nuclear fuel without explosive disintegration, and to subsequently contract within a typical radius $2GM/r$, without centrifugal disruption, its radiation will no longer reach an 'outside observer' : it will become a black hole.

Whereas no black hole has yet been (convincingly) observed, there are a number of possible (indirect) verifications, e.g. through the radiation of infalling matter, through the dynamics of nearby objects, through the light bending effect, and through radiative fusion.

PHYSICS III SEMINAR

Monday, February 14
11.00
Theory Conference Room

"Strong Interaction Shifts and Widths in Light Kaonic Atoms"
J. Egger / ETH - SIN

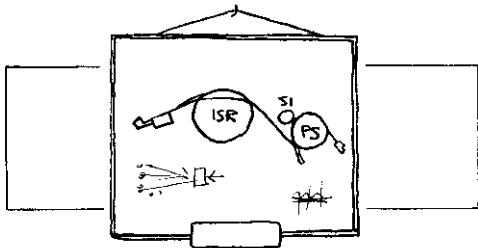
PRESENTATION TECHNIQUE

Jeudi 10 février
de 09h.30 à 16h.30
Salle de Conférence TC-L
Bât. 17 - 1er étage

La Maison HUBER et SUHNER AG (Suisse) présente une gamme très étendue de câbles et connecteurs coaxiaux (y compris terminaisons, charges de passage, boîtiers ...), ainsi que l'outillage s'y rapportant.

Langues : allemand, anglais, français.

Renseignements :
M. Diraizon / 4585



enseignement

ACADEMIC TRAINING

Tuesday, February 8
Wednesday, February 9
11.00
Auditorium

HIGH ENERGY PHYSICS
"Recent results on e^+e^- collisions"
by G. Salvini
(3rd and 4th lectures)

Tuesday, February 10
11.00
Auditorium

MATHEMATICS
"Special functions"
by K. S. Kolbig (4th lecture)

February 15, 22, 29
and March 7
11.00
Auditorium

ACCELERATORS
"Intersecting Storage Rings"
by E. Keil
Programme :

- Basic design concepts
- Expected performance
- Space charge effects
- Experimental beam behaviour

February 16, 23 and
March 1
11.00
Auditorium

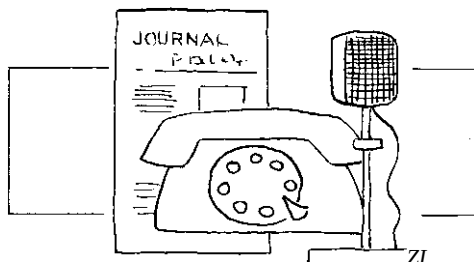
ACCELERATORS
"Beam optics"
by G. Petrucci
Programme :

- Introductory : Purpose, Examples of beam structures, Beam transport elements.
- Particle trajectories in dipole fields. Focusing properties of dipoles. Dipole design example.
- Particle trajectories in quadrupole fields. Quadrupole design example.
- Thinlens approximation.
- Chromatic aberration. Correction by means of sextupoles.
- Matrix formulation.
- Lionville's Theorem and phase space representation. Emittance and acceptance.
- Momentum separation. Spectrometers.
- Mass separation. DC and RF separators.
- Computing Programmes : TRAMP, TRANSPORT, etc.
- Beam timing procedure and operation.

ENSEIGNEMENT GENERAL

Jeudi 10 février
13.00 à 13.45
Amphitheatre

SCIENCE POUR TOUS
"MARINER 9" (Premiers résultats)
1. Images de Mars et de ses satellites
2. Spectroscopie infrarouge
3. Radiométric infrarouge
4. Spectrométrie ultraviolette
5. Les occultations
6. Mécanique céleste et anomalies de gravité
7. Observations d'étoiles depuis Mariner 9
8. La tempête de poussière du 25 novembre 1971
by R. Carreras



cern information

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1. Ne dicter par téléphone que des messages simples et courts;
2. Consigner des messages bien lisibles (caractères imprimés ou écrits à la machine);
3. Envoyer ou dicter les télex si possible avant 16h. 30.

Nous vous remercions de votre aimable coopération.

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