

seminars

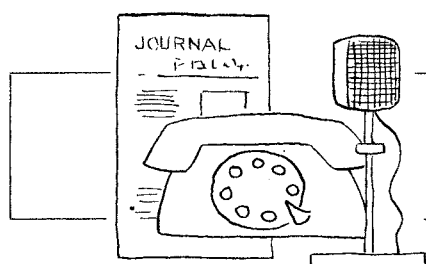
CERN COLLOQUIUM

Tuesday, August 8
16.30 hours
Auditorium

"General Relativity : An Experimental Science"

K.S. Thorne / CALTECH

Abstract : The 1970's can be regarded as the decade for testing general relativity. Already, in the first two years of the decade, experiments have disproved most of the theories of gravity in the 1960's. These theory-destroying experiments were devised by Will and Nordtvedt in 1971. They involve searches for a sidereal component in Earth and ocean tides, and measurements of planetary perihelion shifts. Experiments currently underway or planned for later in the decade involve gyroscopes in an Earth-orbiting satellite, laser-ranging to the moon, a hydrogen-maser clock flown on a Scout rocket to an altitude of several Earth radii, radar ranging to the planets, radio ranging to satellites in orbit about Mars and on its surface, and a drag-free inter-planetary spacecraft.



cern information

INSTRUMENTS WANTED

Lab II is interested in purchasing some second-hand instruments if they are in good condition.

If any Division has one of the following instruments for sale, please contact Mr. H. Rebmann (4331) for an assessment :

Tektronix oscilloscope 555 or 556 with plug-ins.
RF bridge, 250 MHz, such as -hp- 250B.
Signal, pulse and waveform generators up to 500 MHz.
Laboratory power supplies up to 500 V.

B. Sagnell - LAB II

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