



FZU

Institute of Physics
of the Czech
Academy of Sciences

Invitation

to the seminar of Division of Elementary Particle Physics of
the Institute of Physics of the Czech Academy of Sciences



Ruggero Noris

Institute of Physics of the
Czech Academy of Sciences

Supergravity at 99% of the speed of light

Abstract: Supergravity is a theoretical framework that extends Einstein's general relativity by including supersymmetry, a particular symmetry that relates particles with integer spin (bosons) and half-integer spin (fermions).

In this talk, I will discuss the main motivations for supergravity, from the early attempts to resolve inconsistencies between quantum mechanics and general relativity, to its relation with string theory. I will then give an overview of the construction of supergravity theories, highlighting the mathematical foundations and key ideas.

When: Thursday, June 27, 2024 at 2PM

Where: Dvořák hall, FZU, Na Slovance 2, Prague

For more information, please see <https://indico.fzu.cz/event/254/>