



INVITATION

as part of the Particle Physics Seminar

to the talk by

Josef PRADLER
(University of Vienna, ÖAW)

on

“Soft Gravitons and Gravitational-Wave Opacity”

Abstract:

Using soft-graviton techniques, we ask whether the large graviton occupation numbers of realistic gravitational-wave sources can measurably modify particle-physics processes. For nanohertz gravitational waves, we show that previous analyses reached the qualitatively correct conclusions about their effective opacity, but for the wrong reasons.

Time: Tuesday, 16 December 2025, 4:15 p.m.

Location: Erwin-Schrödinger Lecture Hall, 1090 Vienna, Boltzmannngasse 5, 5th floor