



INVITATION

as part of the Mathematical Physics Theory Seminar

to the talk by

John HUERTA
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on

“Poincaré duality and supergravity”

Abstract:

The superfield formalism is an approach to supersymmetric field theories where the fields are functions on supermanifolds. We describe the peculiar features of supermanifolds that play a role in the superfield formalism, how these peculiar features lead to a novel form of Poincaré duality with no classical analogue, and sketch some of its applications to physics.

This is joint work with Konstantin Eder and Simone Noja.

Time: Tuesday, 27 January 2026, 2:00 p.m.

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