

Friday, 26.06.2026, 1:15 p.m.
in Lecture Hall **ROT (0.056)**

Peter Hurck
Universität Bonn

„From Hybrid Mesons to Hyperons: New Directions in Hadron Spectroscopy“

The discovery of hadron candidates beyond the conventional quark-model picture has revitalized hadron spectroscopy over the past decade and opened new opportunities to study the dynamics of Quantum Chromodynamics in the confinement regime.

In particular, considerable experimental effort has been devoted to the search for hybrid mesons, in which excitations of the gluonic field contribute to the quantum numbers and structure of the state.

In this colloquium, I will review the current experimental status of searches for non-conventional hadrons in the light-quark sector. Particular emphasis will be placed on the GlueX experiment at Jefferson Lab and the AMBER experiment at CERN.

I will also introduce the planned INSIGHT experiment at ELSA in Bonn, which aims to advance hyperon spectroscopy and provide new insights into the spectrum of strongly interacting matter.

Everybody is welcome, especially students of all semester

