ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

INVITATION TO THE DOCTORAL SEMINAR

Prof. Dr. Phuoc-Tai Nguyen
Masaryk University Brno

"FOCUSING NONLINEAR SCHRODINGER EQUATION WITH AN INVERSE-SQUARE POTENTIAL"

O.0.01 | Wednesday, 3 November 2021 | 10:00 a.m.

Abstract
In this talk, I will consider the focusing nonlinear Schrodinger equation with an inverse-square potential. The uniqueness of the ground state solution and a sharp Hardy-Gagliardo-Nirenberg interpolation inequality will be discussed. Moreover, a complete characterization for the minimal mass blow-up solutions to the associated Cauchy problem will be provided.

Barbara Kaltenbacher and the Department of Mathematics look forward to seeing you at the talk!