



Amplitudes, Strong-Field Gravity and Resummation



Date: PhD School (7-10 April 2026), Workshop (13-17 April 2026)

Location: Nordita (Stockholm, Sweden)

Invited Lecturers for the PhD School

Scattering amplitudes and the EFT approach to self-force: N. Shah & C-H. Shen

Introduction to gravitational self-force theory: L. Barack & B. Wardell

Introduction to Numerical Relativity, Resummation strategies and Data Analysis: P. Schmidt

Invited Speakers for the Workshop

D. Akpinar (University of Edinburgh), L. Bohnenblust (Humboldt University), C-H. Chang (NTU), T. Damour (IHES), A. Georgoudis (QMUL), J. Hoogeveen (Humboldt University), M. Khalaf (Hebrew University), D. Kosower (IphT), K. Lee (APCTP, Pohang), O. Long (AEI, Potsdam), J. Mathews (National University of Singapore), A. Nagar (INFN, Torino), H. Pfeiffer (AEI, Potsdam), J. Plefka (Humboldt University), R. Porto (DESY), T. Rahn timer (APCTP, Pohang), P. Retegno (INFN, Torino), R. Russo (QMUL), J. Steinhoff (AEI, Potsdam), C-H. Shen (Uppsala University), M. van de Meent (NBI), A. Vaswani (University of Southampton), N. Warburton (UCD)

Organising Committee

L. Cangemi, P. Di Vecchia, R. Gonzo, C. Kavanagh, A. Pound, G. Pratten

Website

<https://indico.fysik.su.se/event/9143/>

Credit: A.Mati