



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 (Univ. of Edinburgh), L. Bohnenblust (Humboldt Univ.), D. Bini* (IAC, Rome), A. Buonanno* (AEI, Potsdam), T. Damour* (IHES), J. Hoogeveen (Humboldt Univ.), K. Lee (APCTP, Pohang), O. Long (AEI, Potsdam), J. Mathews (National Univ. of Singapore), S. Mougiakakos* (LUTH, Meudon), J. Parra-Martinez* (IHES), H. Pfeiffer (AEI, Potsdam), J. Plefka (Humboldt Univ.), R. Porto (DESY), T. Rahn timer (APCTP, Pohang), P. Retteno* (Univ. of Turin), R. Russo (QMUL), J. Steinhoff (AEI, Potsdam), C-H. Shen (Uppsala Univ.), M. van de Meent (NBI), A. Vaswani (Univ. of Southampton), N. Warburton (UCD), Z. Zhou (Princeton Univ.).

[* To be confirmed]

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