

Matt von Hippel
Research Assistant
Theoretical high energy, astroparticle and gravitational physics
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Short presentation

Matt von Hippel is an assistant professor at the NBIA. He received his PhD in 2014 from SUNY Stony Brook, and from 2014 to 2017 he was a postdoctoral fellow at the Perimeter Institute. Matt researches scattering amplitudes in gauge and gravity theories. In particular, he has developed new methods to calculate multi-loop scattering amplitudes in N=4 super Yang-Mills based on the properties of polylogarithmic functions. Currently, he is interested in extending these techniques, both to more general theories and to elliptic integrals. He is also heavily involved in outreach, blogging at 4gravitons.com.

Employment

Research Assistant

Theoretical high energy, astroparticle and gravitational physics
København Ø, Denmark
1 Feb 2024 → nu

Assistant Professor

Theoretical high energy, astroparticle and gravitational physics
København Ø, Denmark
15 Aug 2021 → 14 Aug 2023

Postdoc

Niels Bohr International Academy
København Ø
14 Aug 2017 → 14 Aug 2021

Postdoctoral Fellow

Perimeter Institute for Theoretical Physics
Canada
14 Aug 2014 → 14 Aug 2017

Qualifications

Physics, PhD, Stony Brook University
Award Date: 23 May 2014