

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