

JAKOB STEGMANN, PHD STUDENT

PERSONAL INFORMATION

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COLLABORATORS

Fabio Antonini (Cardiff), Lucio Mayer (Zurich), Maxwell Moe (Arizona), Pedro R. Capelo (Zurich), Elisa Bortolas (Milan), Matteo Bonetti (Milan), Vivien Raymond (Cardiff)

RESEARCH INTERESTS

Broadly, I am interested in all sorts of astrophysical sources of gravitational waves and gravitational multi-body dynamics.

Specifically, I investigate what we can learn about the formation channels of the LIGO black holes from their parameter distributions. In my PhD project, I study mergers that could result from massive stellar triples. Moreover, I work on supermassive black hole triples in galactic nuclei. In the past I have been working on constraints on Primordial Black Holes as a candidate for dark matter by modelling the dynamics of ultra-faint dwarf galaxies.

SKILLS

Extensive coding experience with a fondness for classic pen & paper calculations.