

# Baoyi Chen

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## EDUCATION

### Ph.D. Physics

Expecting

California Institute of Technology, Pasadena, CA, USA

Dissertation Advisor: Prof. Yanbei Chen

Dissertation Title: *to be determined*

### B.S. Materials Physics

June 2011

Nanjing University, Nanjing, Jiangsu, China

Thesis Title: *Into the Magnetic Skyrmion*

## PROFESSIONAL EMPLOYMENT

### Research and Teaching Assistant

Fall 2015 - present

California Institute of Technology, Pasadena, CA, USA

### UG Visiting Internship Student

Summer 2014

The Hong Kong University of Science and Technology, Hong Kong, China

## REFEREED PUBLICATIONS

1. **B. Chen**, G. Chen, Y. E. Cheung, Y. Li, R. Xie, Y. Xin (2014), *Nonplanar On-shell Diagrams and Leading Singularities of Scattering Amplitudes*, **Eur. Phys. J. C** **77** 80, [ [hep-th/1411.3889](#) ]

## NON-REFEREED PUBLICATIONS

1. **B. Chen**, L. C. Stein (2017), *Separating metric perturbations in near-horizon extremal Kerr*, [gr-qc/1707.05319](#), submitted to Phys. Rev. D
2. **B. Chen**, G. Chen, Y. E. Cheung, R. Xie, Y. Xin (2015), *Tackling On-Shell Diagrams without External BCFW-Bridges by Auxiliary Momentum Lines*, [hep-th/1507.03214](#)
3. **B. Chen**, G. Chen, Y. E. Cheung, R. Xie, Y. Xin (2015), *Top-forms of Leading Singularities in Nonplanar Multi-loop Amplitudes*, [hep-th/1506.02880](#)

## SELECTED HONORS AND AWARDS

**Samsung Scholarship** **2013**

Samsung Electronics Co., Ltd.

**Outstanding Student Award** **2012**

Nanjing University

## CONTRIBUTED TALKS

1. *Linear metric perturbations in near-horizon extremal Kerr* [ [slides](#) ] **March 2017**  
33<sup>rd</sup> Pacific Coast Gravity Meeting, UCSB