# 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 2015**

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**, L. C. Stein (2018), *Deformation of extremal black holes from stringy interactions*, Phys. Rev. D **97**, 084012, [ gr-qc/1802.02159 ]
2. **B. Chen**, L. C. Stein (2017), *Separating metric perturbations in near-horizon extremal Kerr spacetimes*, Phys. Rev. D **96**, 064017, [ gr-qc/1707.05319 ]
3. **B. Chen**, G. Chen, Y. E. Cheung, R. Xie, Y. Xin (2015), *Top-forms of leading singularities in nonplanar multi-loop amplitudes*, Eur. Phys. J. C **78** 164, [ hep-th/1507.03214 ]
4. **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 ]

## Selected Honors and awards

**Samsung Scholarship** **2013**

Samsung Electronics Co., Ltd.

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

Nanjing University

## Contributed Talks

1. *Deformations of extremal black holes in GR and from stringy interactions* [ slides ]

   34th Pacific Coast Gravity Meeting, Caltech & APS April Meeting **March 2018**

2. *Linear metric perturbations in near-horizon extremal Kerr* [ slides ]

   33rd Pacific Coast Gravity Meeting, UCSB **March 2017**