

# 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**, L. C. Stein (2017), *Deformation of extremal black holes from stringy interactions*, **Phys. Rev. D** **97**, 084012, [ [gr-qc/1802.02159](#) ]
2. **B. Chen**, G. Chen, Y. E. Cheung, R. Xie, Y. Xin (2014), *Top-forms of leading singularities in nonplanar multi-loop amplitudes*, **Eur. Phys. J. C** **78** 164, [ [hep-th/1507.03214](#) ]
3. **B. Chen**, L. C. Stein (2017), *Separating metric perturbations in near-horizon extremal Kerr spacetimes*, **Phys. Rev. D** **96**, 064017, [ [gr-qc/1707.05319](#) ]
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

<b>Samsung Scholarship</b>	<b>2013</b>
Samsung Electronics Co., Ltd.	
<b>Outstanding Student Award</b>	<b>2012</b>
Nanjing University	

## CONTRIBUTED TALKS

1. *Deformations of extremal black holes in GR and from stringy interactions* [ [slides](#) ]  
34<sup>th</sup> Pacific Coast Gravity Meeting, Caltech **March 2018**
2. *Linear metric perturbations in near-horizon extremal Kerr* [ [slides](#) ]  
33<sup>rd</sup> Pacific Coast Gravity Meeting, UCSB **March 2017**