

# TOM F. NEISER

*Department of Physics and Astronomy, University of California, Los Angeles, CA 90095*

Phone: 310-869-6216 ♦ tomneiser@physics.ucla.edu

## EDUCATION

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<b>University of California, Los Angeles (UCLA)</b>	2011-2018
Ph.D. in Physics	Spring 2018 (expected)
Ph.D. Candidacy	Spring 2016
M.S. in Physics	Fall 2014

<b>Imperial College London</b>	2008-2011
B.Sc. Physics with Theoretical Physics (2.1 Upper second-class honors)	

<b>SCECGS Redlands</b>	2006-2007
International Baccalaureate (Bi-lingual, 45 points, top 0.05% in Australia)	

## EXPERIENCE

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<b>UCLA</b>	September 2011 - Present
<i>Graduate Student Researcher</i>	<i>Los Angeles, CA</i>

- Characterizing multi-scale interactions of ion- and electron temperature gradient (ITG and ETG) driven turbulence in a DIII-D near-edge L-mode plasma with the gyrokinetic code GENE ([www.genecode.org](http://www.genecode.org))
- Advisors: Prof. Frank Jenko and Prof. Troy Carter

<b>UCLA</b>	September 2011 - 2016
<i>Teaching Assistant</i>	<i>Los Angeles, CA</i>

- Teaching Comprehensive Exam discussions for graduate students and hosting [www.physwiki.com/w](http://www.physwiki.com/w)
- Physics 1 Series and 6 A&B discussion sections
- Physics 6 Series and Astronomy 3 laboratory sections

<b>Imperial College London</b>	June 2010 - June 2011
<i>Research Student</i>	<i>London, UK</i>

- Bachelor Project on Improving Fusion Reactors with Doping, which included carrying out numerical integration of the plasma dispersion function using C++
- Advisor: Prof. Steve Cowley

## TECHNICAL STRENGTHS

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<b>Computer Languages</b>	Python, IDL, Mathematica, C++, Fortran
<b>Languages</b>	German (native), English (fluent)

## PUBLICATIONS

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Contributed Talk at the APS Division of Plasma Physics (DPP) Conference, San Jose, CA (2016) [5]  
Poster by collaborator at the above APS DPP Conference, San Jose, CA (2016) [6]  
Contributed Talk at the APS DPP Conference, Savannah, GA (2015) [4]  
Poster at the APS DPP Conference, Denver, CO (2013) [3]  
Poster at the APS DPP Conference, Providence, RI (2012) [2]