

# Meng Cheng

University of Maryland  
Department of Physics  
College Park, MD 20742

Phone: (301) 405-7652  
Email: [chmeng@umd.edu](mailto:chmeng@umd.edu)  
Homepage: <http://terpconnect.umd.edu/~chmeng/>

## Education

- 2008 - present: Doctoral student of Physics, University of Maryland.
- 2004 - 2008: B. S. Physics, Nanjing University, 2004.

## Employment

- 2009 - present: Research assistant, Department of Physics, University of Maryland
- Fall 2008: Teaching assistant, Department of Physics, University of Maryland

## Publications

- *Tunneling of anyonic Majorana excitations in topological superconductors*, Meng Cheng, Roman Lutchyn, Victor Galitski, and S. Das Sarma, arXiv:1006.0452
- *Stable topological superconductivity in a family of two-dimensional fermion models*, Meng Cheng, Kai Sun, Victor Galitski and S. Das Sarma, Editor's Suggestion in Phys. Rev. B. **81**, 024504 (2009)
- *Splitting of Majorana-fermion modes due to intervortex tunneling in a  $p_x + ip_y$  superconductor*, Meng Cheng, Roman Lutchyn, Victor Galitski, and S. Das Sarma, Phys. Rev. Lett. **103**, 107001 (2009)

## Teaching

- Fall 2008: University of Maryland, Physics 271 - General Physics Laboratory, instructor Prof. Min Ouyang

## Presentations

- Contributed talk, *Splitting of Majorana modes due to intervortex tunneling in  $p_x + ip_y$  superconductors*, American Physics Society March Meeting, Pittsburgh, PA(March 2009)
- *Topological superconducting phases in two-dimensional fermion models*, CMTC Symposium, University of Maryland, College Park, MD(October 2009)
- Contributed talk, *Stable topological superconductivity in a family of fermion models*, American Physics Society March Meeting, Portland, OR(March 2010)