

Wenliang Li

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Profile

- A responsible and patient person with wide experiences of living and studying abroad. Able to learn from mistakes. A consistent worker and good team player with effective communication skills, good at forward planning and logic thinking, enjoy working in laboratory. Adequate programing skills, a fast learner.

History of Study

University of Regina (Canada), January 2012 - Current

- PhD of Science in Physics, on construction of the Heavy Gas Cerenkov detector, to be installed on the Super High Momentum Spectrometer at Jefferson Lab Hall C. This work is performed under the supervision of Dr. Garth Huber. Teaching Assistant for first year physics classes.

University of Regina (Canada), September 2010 - September 2012

- Master of Science in Physics, on construction of the Heavy Gas Cerenkov detector, to be installed on the Super High Momentum Spectrometer at Jefferson Lab Hall C. This work is performed under the supervision of Dr. Garth Huber. Teaching Assistant for first year physics classes.

University of Kent at Canterbury (UK)

- Received 4 Year Physics and Astrophysics with year in USA Hon MPhys Degree, with Upper Second overall grade. Carried out six month final year theoretical astrophysics project, titled 'Investigation of Shock-wave Velocity in H₂ Region Caused by FUV Radiation', this work was under the supervision of Dr. Jingqi Miao.

Karlsruhe Institute of Technology (Germany), June 2009 - September 2009

- During 3 month DAAD intern-ship at KIT in Germany, I worked under the supervision of PHD Student Steffan Mueller, for the world largest hybrid experiment for cosmic ray detection, the Pierre Auger Experiment. This work was targeted to develop the algorithm of identifying the miss cabled Photo Multiplier Tube of the florescences telescope. The

algorithm makes use of star image detected, and it is proved to be successful.

- Also attended Particle Physics Summer Institute held at KIT, which covered topics on cutting edge technology and experiment in particle physics.

Pennsylvania State University (USA), August 2008 - May 2009

- Carried out a year abroad studying program at Pennsylvania state University as part of University of Kent degree requirements.

University of Kent at Canterbury (UK), September 2006 - June 2008

- Assigned with the 4 year M-Physics degree program: Physics with Astrophysics with one year in USA. Successfully completed the first and second academic year.
- Constant member of Astronomy Club.

Loughborough College (UK), September 2002 - June 2006

- Studied English Language Course and A-Level program.

Urumqi No.80 Middle School (China), September 1998 - June 2002

Publications

Technical Report

- 2012** W. Li, *Operation Manual for Reflectivity Measurement Setup of Free Electron Laser Facility at Jefferson Lab*, Jefferson lab Hall C collaboration, HallC-doc-#754-v1, 2012.
- 2012** W. Li, K. Blackburn, C. Gould, J. Gubeli, G. Huber, B. Kross, B. Sawatzky, M. Shinn, D. Weisenberger, C. Zorn, *Heavy Gas Čerenkov Mirror Reflectivity Measurements*, Jefferson lab Hall C collaboration, HallC-doc-#735-v1, 2012.
- 2012** W. Li, D. Gervais, G. Huber, L. Sichello, K. Wolbaum, *Mirror Testing Result*, Jefferson lab Hall C collaboration, HallC-doc-#716-v2, 2012.
- 2011** W. Li, G. Huber, *Progress Report on Heavy Gas Čerenkov Detector Construction*, Jefferson lab Hall C collaboration, HallC-doc-#695-v1, 2012.
- 2011** W. Li, G. Huber, *Radius of Curvature Measurement of Test Mirror from Sinclair Glass*, Jefferson lab Hall C collaboration, HallC-doc-#693-v1, 2011.
- 2010** W. Li, J. Miao, *Investigation of Shock-wave Velocity in H_2 Region Caused by FUV Radiation*.
- 2009** W. Li, Steffan Mueller, *Miss-Cabling Identification Algorithm Using Star Tracking Method for Fluorescence Telescopes of Pierre Auger Experiment*.

Presentation

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- 2012** Winter Nuclear and Particle Physics Conference in Canada, *Cherenkov Mirror Reflectivity Measurements for Hall C at Jefferson Lab*.
- 2012** Hall C SHMS Detector Working Group Meeting, *HGC Mirror Reflectivity Measurement*.
- 2012** Canadian Association of Physicists Congress, University of Calgary, *Heavy Gas Čerenkov Detector for Jefferson Lab Hall C*.
- 2011** Hall C SHMS Detector Working Group Meeting, University of Regina Graduate Student's Association Conference, *Particle Identification and Heavy Gas Cerenkov Detector*.

Thesis

- 2013** W. Li, *Heavy Gas Cherenkov Detector Construction for Hall C at Thomas Jefferson National Accelerator Facility*, JLAB-PHYS-12-1697, 2013.

Computing Skill

- Data Analysis Framework: ROOT, PHYSICA.
- Experimental Simulation: GEANT 4.
- Computational Language: BASH, C++, PYTHON, PERL, PHP.
- Familiar with linux system maintenance (Debian & Redhat based distributions).

Qualification

- Master in Science, graduated in September, 2012 (University of Regina, Canada).
- 4 Year Physics and Astrophysics with year in USA Hon MPhys Degree (University of Kent at Canterbury, UK).

Language Skill

- English (Academic Level)
- Chinese

Additional Information

- Driving License from China.
- No Tobacco Consumption.