

## Chi-Ju Wu

Max-Planck Institute for Solar System Research  
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Born 13. 02. 1990 in Taiwan

## Education

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|-------------------|---|
| 01/2015 ~ now     | PhD student<br>Max-Planck Institute for Solar System Research, Göttingen , Germany<br>Topic: Solar Irradiance Reconstruction over the Holocene<br>Supervisors: Dr. Natalie Krivova, Prof. Dr. Sami K. Solanki, Prof. Dr. Ansgar Reiners |
| 09/2013 ~ 06/2014 | M. Sc. Degree, Graduate Institute of Space Science<br>National Central University, Taoyuan, Taiwan<br>Thesis : Data Analysis of Superflares on G-type stars Observed by Kepler Mission<br>Advisor : Prof. Wing-Huen Ip                  |
| 09/2009 ~ 06/2013 | B. Sc. Degree, Space Science Program, Department of Atmospheric Science<br>National Central University, Taoyuan, Taiwan   |
| 09/2006 ~ 06/2009 | Taipei Municipal Song-Shan Senior High School, Taipei, Taiwan   |
| 08/2007 ~ 06/2008 | Theodor-Fliehdner-Gymnasium, Düsseldorf, Germany  |

## Language Skills

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Mandarin Chinese (native tongue)  
English (fluent)  
German (basic)

## Programming Skills

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IDL (advanced) : Data Analysis, modeling  
Matlab (advanced) : Data Analysis, Image processing  
LaTeX (advanced) : Scientific writing  
C++ (basic)

## Teaching Experience

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| 05~09/2016 | Bachelor's thesis supervision assistance                  |
| 04~07/2016 | Analytical Mechanics, University of Göttingen, Germany    |
| 04~07/2016 | Computational physics, University of Göttingen, Germany   |
| 02~06/2013 | Planetary Science, National Central University, Taiwan    |
| 09~12/2012 | Heliospheric physics, National Central University, Taiwan |

## Research Experience

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| 09/2016    | Visiting in Department of physics, Oulu University, Finland<br>(Date correction of cosmogenic isotope $^{10}\text{Be}$ series. Host: Professor Ilya Usoskin)   |
| 04/2016    | Climate Weather Winter School, Levi, Finland   |
| 01~02/2014 | Visiting in Max-Planck Institute for Solar System Research, Göttingen, Germany<br>(Studying the photospheric variability of G-type flaring stars with Kepler data and of the Sun with observational and simulated data. Supervisor: Dr. Natalie Krivova) |
| 03/2013    | Kyoto University Unit of Synergetic Studies for Space, Kyoto, Japan<br>(Analyzing and studying superflares with Kepler data. Host: Professor Kazunari Shibata)   |
| 01/2013    | International Space Weather Winter School, National Central University, Taoyuan, Taiwan<br>(Studying the analysis of in-situ data sets of CMEs at Earth. Host: Professor Bernard V. Jackson)   |

## **Publications**

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Jungclaus, J. H., Bard, E., Baroni, E., .... **Wu, C. J.**, ..., 2016, The PMIP4 contribution to CMIP6 – Part 3: the Last Millennium, Scientific Objective and Experimental Design for the PMIP4 past1000 simulations, Geoscientific Model Development Discussions, 2016

Kopp, G., Krivova, N. A., **Wu, C. J.**, Lean, J., 2016 The Impact of the Revised Sunspot Record on Solar Irradiance Reconstructions, Sol. Phys., 291, 2951

**Wu, C. J.**, Ip, W. H., Huang, L. C., 2015, A study of Variability in the Frequency Distribution of the Superflares of G type Stars Observed by the KEPLER mission, ApJ, 798, 92

## **Presentations at Conferences**

**Wu, C. J.**, Krivova, N. A., Usoskin, I. G., and Solanki, S. K., 2017, Reconstruction of Solar Irradiance from Cosmogenic Isotope Data, 1<sup>st</sup> PMIP meeting (Poster)

**Wu, C. J.**, Krivova, N. A., Usoskin, I. G., and Solanki, S. K., 2017, Reconstruction of Solar Irradiance from Cosmogenic Isotope Data, AG2017 (Talk)

**Wu, C. J.**, Krivova, N. A., Usoskin, I. G., and Solanki, S. K., 2017, Reconstruction of Solar Irradiance from Cosmogenic Isotope Data, Rock and Star (Talk)

**Wu, C. J.**, Krivova, N. A., Usoskin, I. G., and Solanki, S. K., 2017, Reconstruction of Solar Irradiance from Cosmogenic Isotope Data, Deutsche Physikalische Gesellschaft spring meeting (Talk)

**Wu, C. J.**, Krivova, N. A., Solanki, S. K., and Usoskin, I. G., 2016, Solar Total and Spectral Irradiance Reconstruction over Last 9000 Years, AGU Fall meeting (Poster)

**Wu, C. J.**, Krivova, N. A., Solanki, S. K., and Usoskin, I. G., 2016, Reconstructions of Solar Irradiance on the Millennial Timescale, 13<sup>th</sup> European space weather week (Invited talk)

**Wu, C. J.**, Krivova, N. A., Solanki, S. K., and Usoskin, I. G., 2016, Solar Total and Spectral Irradiance Reconstruction over Last 9000 Years, 1<sup>st</sup> Swiss SCOSTEP workshop (Talk)

**Wu, C. J.**, Krivova, N. A., Solanki, S. K., and Usoskin, I. G., 2016, Solar Total and Spectral Irradiance Reconstruction over Last 9000 Years, Space Climate 6 Symposium (Poster)

Huang, L. C., Ip, W. H., and **Wu, C. J.**, 2014, Star Spot Activities of Solar-type Stars with Hot-Jupiters in Kepler Data, EGU General Assembly (Poster)

Chang, H. Y., **Wu, C. J.**, Huang, L. C., and Ip, W. H., 2014, A study of flare activities of M-type star in the Kepler data archive, The Astronomical Society of the Republic of China(Taiwan) (Poster)

Huang, L. C., **Wu, C. J.**, and Ip, W. H., 2013, The Search of Star Spot Cycles and Time Variability of Flare Frequencies in Solar-type Stars, The Astronomical Society of the Republic of China (Taiwan) (Poster)

**Wu, C. J.**, Ip, W. H., and Huang, L. C., 2013, A Comparison of the Occurrence rates of the Solar Flares with Stellar Flares from Solar-type Stars, Taiwan Geosciences Assembly (Poster)

**Wu, C. J.**, Ip, W. H., and Huang, L. C., 2013, A Comparison of the Occurrence rates of the Solar Flares with Stellar Flares from Solar-type Stars, East Asian Meeting on Astronomy (Poster)