

Peter J. Levens

Date of birth: 26/11/1991
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Current situation:

University of Glasgow - Postgraduate

2013 - Present

Ph.D. in Solar Astronomy, researching solar tornado-like prominences using spectroscopic techniques.

Supervisors: Dr. Nicolas Labrosse and Prof. Lyndsay Fletcher

Published papers

- “Comparing UV/EUV line parameters and magnetic field in a quiescent prominence with tornadoes” – P. J. Levens, N. Labrosse, B. Schmieder, A. López Ariste, L. Fletcher, *Astronomy & Astrophysics*, 2017 (accepted).
- “Reconstruction of a helical prominence in 3D from IRIS spectra and images” – B. Schmieder, M. Zapiór, A. López Ariste, P. J. Levens, N. Labrosse, R. Gravet, *Astronomy & Astrophysics*, 2017 (accepted).
- “Alpha Doppler shifts in a tornado in the solar corona” – B. Schmieder, P. Mein, N. Mein, P. J. Levens, N. Labrosse, L. Ofman, *Astronomy & Astrophysics*, 2017, 597, A109.
- “Magnetic field in atypical prominence structures: Bubble, Tornado, and Eruption”, P. J. Levens, B. Schmieder, A. López Ariste, N. Labrosse, K. Dalmasse, B. Gelly, *Astrophysical Journal*, 2016, 826, 164L.
- “Structure of prominence legs: Plasma and magnetic field”, P. J. Levens, B. Schmieder, N. Labrosse, A. López Ariste, *Astrophysical Journal*, 2016, 818, 31L.
- “A solar tornado observed by EIS: Plasma diagnostics”, P. J. Levens, N. Labrosse, L. Fletcher, B. Schmieder, *Astronomy & Astrophysics*, 2015, 582, A27.

Meetings, talks and posters

- February 2017 – Talk at the International Space Science Institute in Bern, Switzerland.
- June 2016 – Talk at the National Astronomy Meeting in Nottingham, UK.
- June 2016 – Talk at the IRIS-6 meeting in Stockholm, Sweden.
- November 2015 – Poster at the SUPA Cormack Astronomy Meeting in Edinburgh, UK.
- September 2015 – Talk at the Hinode 9 meeting in Belfast, UK.
- July 2015 – Poster at the National Astronomy Meeting in Llandudno, UK.
- May 2015 – Talk at the IRIS-4 Workshop in Boulder, Colorado, USA.
- January 2015 – Talk at Royal Astronomical Society IRIS specialist meeting in London, UK.
- September 2014 – Talk at the European Solar Physics Meeting in Dublin, Ireland.
- February 2014 – Poster at Royal Astronomical Society prominence meeting in London, UK.

Funded international trips

February 2017 – Part of an international ISSI team in Bern, Switzerland, as a ‘young scientist’.

December 2016 and April 2017 – Selected to be a member of the IRIS Science team as a science planner. Funding from the University of Glasgow for a trip to the LMSAL facility in Palo Alto, CA, USA. I was responsible for the creation and upload of the daily IRIS observing plan.

November 2014 to February 2015 – Awarded funding as part of SUPA’s Long Term Attachment scheme to spend four months in Paris at the Observatoire de Paris, Meudon, France.

May and July 2014 – Part of an observing team that was awarded funding by SOLARNET to use the THEMIS telescope in the Canary Islands. I was responsible for planning and performing observations.

Education:

University of Glasgow - Undergraduate

2009 - 2013

- BSc. with Honours of the First Class in Physics and Astronomy