



Current position

Postdoctoral Researcher, MPI for Plasma Physics, Greifswald (since 2016)

Scientific degrees

PhD in Physics, University of York (2016)

Master of Arts in Physics, University of Wisconsin, Madison, WI (2012)

Bachelor of Science in Physics, Goethe University of Frankfurt/Main (2011)

Recent research topics

Stellarator optimization, quasi-axisymmetric stellarator, ideal MHD, non-linear ballooning modes

Awards, honors, memberships

EUROfusion Researcher Grant (2019/2020)

DAAD Fellowship for PhD Students (2013/2014)

Fulbright Fellowship (2011/2012)

Publications

- **S. A. Henneberg, M. Drevlak, C. Nührenberg, C. D. Beidler, Y. Turkin**, et al., Properties of a new quasi-axisymmetric configuration, *Nucl. Fusion*. 59, 026014 (2019) [doi:10.1088/1741-4326/aaf604](https://doi.org/10.1088/1741-4326/aaf604)
- **S. A. Henneberg**, S. C. Cowley and H. R. Wilson, Filamentary plasma eruptions: Results using the non-linear ballooning model, *Contrib. Plasm. Phys.* 58, 6, (2018) [doi:10.1002/ctpp.201700047](https://doi.org/10.1002/ctpp.201700047)
- **S. A. Henneberg**, S. C. Cowley, H. R. Wilson, Interacting filamentary eruptions in magnetized plasmas, *Plasma Phys. Contr. F.* 57, 125010 (2015) [doi:10.1088/0741-3335/57/12/125010](https://doi.org/10.1088/0741-3335/57/12/125010)
- S. C. Cowley, B. Cowley, **S. A. Henneberg**, H. R. Wilson, Explosive instability and erupting flux tubes in a magnetized plasma, *P. R. Soc. A.* 471, 2180 (2015) [doi:10.1098/rspa.2014.0913](https://doi.org/10.1098/rspa.2014.0913)