

Eleonora Svanberg

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Department of Physics
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EDUCATION

St. John's College, University of Cambridge Cambridge, UK
Master's in Applied Mathematics (Part III) 2022 -
Funding: Part III International Scholarship by the Faculty of Mathematics

Stockholm University Stockholm, Sweden
BSc Physics 2019 - 2022
Bachelor thesis: [Higher-order time derivative theories and the Ostrogradsky ghost](#) supervised by Dr. Fawad Hassan

EMPLOYMENTS

University of Cambridge Cambridge, UK
Summer Research Intern at Department of Applied Mathematics and Theoretical Physics (DAMTP) Summer 2021
Funding: Philippa Fawcett Internship Programme 2021
Travel Grant: Swedish Astronomical Youth Association

RESEARCH PROJECTS

University of Cambridge Remote/Cambridge, UK
Project: Wave-like properties of the Vertical Shear Instability in Protoplanetary Disks 2021 -
Supervisor(s): Dr. Can Cui, Prof. Henrik Latter
Publication: Accepted to MNRAS, ArXiv: <https://arxiv.org/abs/2206.03840>

Stockholm University Stockholm, Sweden
Project: Optimising supernovae 1a modelling by looking at different colour bands, ZTF telescope 2020
Supervisor: Prof. Edvard Mörtzell

Royal Institute of Technology Stockholm, Sweden
Project: Examined how distances affects the data analysis of supernovae 1a, NuSTAR telescope 2019
Supervisor: Dennis Alp

Atlas Experiment, CERN Geneva, Switzerland
Project: New Small Wheel Upgrade of Muon Spectrometer, computational and physical work 2017
Supervisor: Dr. Edoardo Farina

Royal Institute of Technology and Atlas Experiment, CERN Stockholm/Geneva
High School Diploma Project: Precision Measurement of the mass of the z-boson, ATLAS open data from 2015 2017
Supervisor: Giulia Ripellino

AWARDS, GRANTS AND HONORS

University of Cambridge Part III International Scholarship (£8,800) 2022

University of Cambridge Philippa Fawcett Internship Programme (£3,500) 2021

Swedish Astronomical Youth Association Travel Grant (£300) 2021

The King's Foundation for Young Leadership Compass Rose Scholarship (£4,000) 2021

The Swedish Federation of Young Scientists Member of the Year 2018

East Swedish Chamber of Commerce The Future Scholarship (£300) 2017

Swedish Astronomical Society ESO Astronomy Camp 2016 (£1,000) 2016

Oxford Royale Academy Thomas Garner Bursary 2016 (£3,000) 2016

TALKS

Summer Research Festival Cambridge
2021

CODING SKILLS

Languages: Python, C++, C#

Libraries: numpy, matplotlib, snoopy, astropy, pandas

Frameworks: PyROOT, HEASoft, PyXspec, Athena++

Other: Experiences with Linux environments and high-performance computing.

OUTREACH

Girls in STEM: Co-Founder

Sweden

A non-profit organisation aiming to close the gender gap in STEM (Science, Technology, Engineering and Mathematics) through role models, workshops and a community.

2016 -

<https://girlsinstem.se>