

Anton Roth

Curriculum Vitae

Sjögatan 12 lgh 1202
23439 Lomma
Sweden

+46 708184602

antonrothus@gmail.com

Civil state: Living with fiancé



Education

2008–2011 **Nature Scientific Program, High-school**, Söderslättsgymnasiet, Trelleborg.

2011–2016 **Master of Science in Engineering Physics**, *The Faculty of Engineering*, Lund University.

Specialisation: Accelerators - physics and technology

Research experience

25/7-15/9, 2016 **HGS-HIRE summer student program**, *Gesellschaft für Schwerionenforschung (GSI)*, Darmstadt, Germany.

8 week project experimental work in the SHIPTRAP research group, which performs precise direct mass measurements of heavy and superheavy nuclei.

26/8, 2016 **TASCA-workshop**, *GSI*, Darmstadt, Germany.

Participation in the workshop with a talk about the master thesis project for researchers in the field of superheavy element chemistry and physics.

29/5-3/6, 2016 **Nobel Symposium (NS160), "Chemistry and Physics of Heavy and Super-heavy Elements"**, *Bäckaskog Castle*, Sweden.

Attendance of the 2016 Nobel Symposium.

2-7/6, 2016 **Chemistry experiment of element 113**, *GSI*, Darmstadt, Germany.

As part of the TASCA collaboration I participated in an experiment, U300, at GSI which aimed to perform chemistry on the superheavy element 113.

Jan-Jun, 2016 **Master thesis**, *Nuclear Physics Division*, Lund University.

Pulse shape and data analysis on a 2012 superheavy element experiment lead by the Lund Nuclear Structure Group. A pile-up trace analysis routine was successfully developed and the half life of ^{215}Rn could be improved.

Work experience

2015 **Summer Associate**, *E.ON, Business Innovation*, Malmö.

Development of a district heating data analysis tool.

2011–2015 **Professional Handball Player**, *LUGI Handboll*, Lund.

Played in the best league in Sweden over four seasons. Season 2013-2014 we reached the quarter finals in the EHF-cup and finished 2nd in the Swedish league.

Summer 2014 **Real Estate Attendant**, *Förvaltnings AB Stadsbostäder*, Malmö.

Languages

- Swedish - mother tongue
- English - fluent
- German - advanced

Computer skills

Programming	C++, C, Python and MATLAB
Frameworks	ROOT and Go4
Editing	Latex and Microsoft Office
Operative systems	Linux and Windows
Other	Git

Personal profile

The combination of practising handball at an advanced level and an engineering education has affected me as a person. It has made me organized, independent, wanting to always keep myself busy and that I always make high demands of myself. I love challenges, they motivate me.

Interests

Family	Spending time with family and friends is a key feature in my life.
Sustainability	A sustainable world, from an environmental, social and economical aspect, is an important goal which colours me and my thoughts everyday. I believe good research is crucial in making the world more sustainable.
Training	I love to workout and compete in sports. For me, there are few better feelings than being completely exhausted after a hard workout. Currently, the sport in focus is racketlon.