

PERSONAL INFORMATION

Stephan Malbrunot (family name before marriage: Ettenauer)

born on 04.02.1982 in Horn, Austria, married, 2 children

Nationality: Austria

current affiliation: CERN, EP-Department, ISOLDE; 1211 Geneva 23, Switzerland

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EDUCATION

04/2012 **Ph.D. in Physics**, University of British Columbia, Vancouver, Canada

'First Mass Measurements of Highly Charged, Short-lived Nuclides in a Penning Trap and the Mass of ^{74}Rb ' (Adviser: Prof. Dr. Jens Dilling)

supported by the Vanier Canada Graduate Scholarship

01/2006 **Dipl. Ing. (M.Sc. equivalent)**, Vienna University of Technology, Austria

Research for master thesis within the GRETINA collaboration at the Nuclear Science Division of Lawrence Berkeley National Laboratory (LBNL), California, USA (Adviser: Dr. I Yang Lee) Master Thesis: 'Study of Measured and Simulated Signals for a Highly Segmented Co-axial HPGe Detector Module'

09/2003-08/2004: Erasmus-Exchange year at the Royal Institute of Technology (KTH) in Stockholm, Sweden

CURRENT POSITION

02/2017 – now CERN research physicist, ERC project leader of the MIRACLS project

PREVIOUS POSITIONS

02/2014 – 01/2017 CERN Research Fellow, since 05/2016 within the COLLAPS collaboration at ISOLDE (COLLAPS spokesperson: Prof. Dr. Klaus Blaum), CERN, Switzerland

05/2012 - 04/2014 Researcher at Harvard University, Cambridge, Massachusetts, USA, within the ATRAP collaboration (ATRAP spokesperson: Prof. Dr. Gerald Gabrielse)

07/2006 - 09/2006 Visiting Scholar within the Group of Prof. Dr. Thomas Glasmacher at the National Superconducting Cyclotron Laboratory (NSCL) of Michigan State University (MSU), East Lansing, Michigan, USA

02/2006 - 05/2006 Research Assistant within the TIGRESS collaboration at TRIUMF, Vancouver, Canada

RESEARCH GRANTS

- Starting Grant of the European Research Council (ERC): 2017-now, for the development of the Multi Ion Reflection Apparatus for Collinear Laser Spectroscopy (MIRACLS) of short-lived radionuclides
- Research grant of the ATTRACT programme: 2019-now, for the development and application of versatile, highly UV reflecting and absorbing coatings
- Research grant of the CERN Medical Applications Funds, 2018- now

FELLOWSHIPS AND AWARDS

- CERN Research Fellowship under the CERN-COFUND programme (2014-2017, 3 years)
- Erwin Schrödinger Fellowship [part of Marie Skłodowska-Curie Actions] (2012-2015, 3 years, aborted in Feb. 2014 because of CERN fellowship)
- APART [Austrian Programme for Advanced Research and Technology] Scholarship of the Austrian Academy of Sciences (successful application, but declined by applicant)

- Foreign Postdoctoral Researcher Fellowship at RIKEN, Japan, (successful application, but declined by applicant)
- PhD thesis award of the Division of Nuclear Physics (DNP) of the Canadian Association of Physicists (CAP), 2011-12
- Vanier Canada Graduate Scholarship (2009-2012, 3 years)
- Izaak Walton Killam Memorial Pre-Doctoral Fellowship (2009-2011, 2 years)
- Four Year Doctoral Fellowship, University of British Columbia (2009-2012)
- Advancement Scholarship of the Dep. of Physics at Vienna University of Technology (2005)
- Grant for Scientific Research Abroad, International Relations, Vienna University of Technology (2005)
- Study Achievement Award of the Vienna University of Technology (2002, 2003, 2004)

LANGUAGES

German: Mother tongue

English: Fluent

French: Fluent

INSTITUTIONAL RESPONSIBILITIES AND EXPERIMENT SPOKESPERSON

- Spokesperson for several experiments at ISAC/TRIUMF and ISOLDE/CERN
- Organizer, ISOLDE Seminar Series, Jan. 2015 - Dec. 2016
- Local organisation committee of ISOLDE Workshops 2015, 2016, 2019
- Member, TRIUMF Seminar Committee, 2010 - 2012

CAREER BREAKS

10/2006-07/2007 civil servant (alternative to the compulsory army service in Austria)

2016 and 2019 parental leave of 4 months for each of my two children

INVITED PRESENTATIONS at international Conferences or Workshops

(due to my parental leaves 2016 and 2019 I declined 4 invited talks)

03/2020 Hanover, Germany: DPG SAMOP Spring Meeting

04/2019 Trento, Italy: ECT* Workshop "Atomic nuclei as laboratories for BSM physics"

02/2018 Bormio, Italy: IVth Topical Workshop on Modern Aspects in Nuclear Structure

07/2015 Krakow, Poland: Jagiellonian Symposium on Fund. and Appl. Subatomic Physics

03/2015 GSI, Germany: NUSTAR meeting 2015

09/2014 San Carlos de Bariloche, Argentina, 17th Inter. Conf. on Physics of Highly Charged Ions

08/2014 Dresden, Germany: 15th International Symposium on Capture Gamma-Ray Spectroscopy and Related Topics (CGS15),

05/2014 Trento, Italy: ECT* Workshop "Three-body Forces: From Matter to Nuclei"

10/2013 Jena, Germany: 10th Topical Workshop of the SPARC Collaboration

09/2013 Paul Scherrer Institute: Switzerland, 3rd Workshop on the Physics of Fundamental Symmetries and Interactions at low energies and the precision frontier

02/2013 Banff, Canada: Winter Nuclear and Particle Physics Conference 2013 (WNPPC)

06/2011 Leuven, Belgium: 1st International Conference on Advances in Radioactive Isotope Science (ARIS - 2011)

08/2010 Berkeley, USA: Nuclear Structure 2010

07/2010 Vancouver, Canada: 24th International Nuclear Physics Conference (INPC2010)

Additionally 11 contributed talks at international conferences and meetings, 12 physics colloquia at various research institutes in Europe, Northern America, and Japan.

PUBLICATIONS SUMMARY:

67 peer-reviewed publications with 7 as the first leading author, 12 in Phys. Rev. Lett. and 7 in Phys. Lett. B.