

Curriculum vitae for Johan Rathsman

- **Personal information:**

Johan Christoffer Rathsman, born 1966 in Uppsala, Sweden, living in Lund, Sweden.

- **Higher educational degree:**

Master of Science in Engineering Physics and Radiation Sciences, Uppsala University 1992, including one semester of Particle Physics at the University of Heidelberg

- **Doctoral degree:**

Doctor of Technology in High Energy Physics, Uppsala University 1996, title “Quark and Lepton Interactions: Studies of Quantum Chromodynamics and Majorana Neutrinos”, thesis advisor Gunnar Ingelman.

- **Postdoctoral positions:**

Aug 1996 - July 1997 and Sept 1998 - Aug 1999, visiting scientist at the theory group of Stanford Linear Accelerator Center, California, USA, on a grant from the Swedish Natural Science Research Council;

Oct 1999 - Sept 2001, fellow at CERN theory division, CERN, Geneva, Switzerland, funded by CERN

- **Qualification required for appointment as a docent:**

Associate Professor (Docent) in Physics with specialization in Elementary Particle Physics, Uppsala University Dec 2003.

- **Current position:**

Senior Lecturer (Lektor) at Lund University, since August 2010, indefinite appointment.

- **Previous positions:**

Senior Lecturer (Lektor) at Uppsala University, temporary position (75%), Aug 1997 - May 1998, financed by a grant from KK-stiftelsen;

Research associate (forskarassistent) at Uppsala University, Oct 2001 - Nov 2006, financed by the Swedish Research Council;

Senior Lecturer (Lektor) at Uppsala University, indefinite appointment, Dec 2006 - July 2010, 50% of my salary was financed by the Swedish Research Council, initially with a lecturer position grant and later with a project grant.

- **Interruptions in research:**

2001/2002, parental leave for the equivalent of seven months full time;

2005/2006, parental leave for the equivalent of six months full time.

- **Supervision of Ph.D. students as main thesis advisor:**

David Eriksson, Uppsala, Ph.D. 2009; Thomas Rössler, Lund, until 2013; Joel Oredsson, Lund, started 2015.

- **Former Ph.D. students for which assistant thesis advisor:**

Johan Alwall, Uppsala, Ph.D. 2005; Oscar Stål, Uppsala, Ph.D. 2010; Glenn Wouda,

Uppsala, Ph.D. 2015; Lene Bryngemark, Lund HEP group, Ph.D. 2016; Dominik Werder, Uppsala, Ph.D. 2016.

- **Current Ph.D. students for which assistant thesis advisor:**

Jonas Wessén, Lund THEP group, Ph.D. planned 2019;
Astrid Ordell, Lund THEP group, Ph.D. planned 2020;
Nils Hermansson-Truedsson, Lund THEP group, Ph.D. planned 2020;
Trine Poulsen, Lund HEP group, Ph.D. planned 2021.

- **Supervision of master projects:**

David Eriksson, 2003; Korinna Zapp, 2004; Magdalena Larfors, 2004; David Kärsmyr, 2007; Gustav Lund, 2010; Mathias Kristoffersson, 2011; Morgan Svensson-Seth, 2013; Nils Hermansson-Truedsson, 2016.

- **Supervision of bachelor projects:**

Johanna Larsson, 2010; Jacob Winding, 2011; Emil Boström, 2011; Joel Oredsson, 2013; Leo Zethraeus, 2015; Rasmus Hansen, 2015; Johan Book, 2016.

- **Collaborating postdocs within the research group (in Uppsala):**

Stefan Hesselbach, Uppsala, 2005; Farvah Mahmoudi, Uppsala, 2007-2008.

- **Academic assignments:**

Swedish delegate to ECFA - European Committee for Future Accelerators, 2013-;
Swedish delegate to IPPOG - International Particle Physics Outreach Group, 2010-2013;

Swedish member of IUPAP, C11 - International Union of Pure and Applied Physics, Particles and Fields, 2015-;

Swedish member of Nordita research committee for High Energy physics, 2014-;

Referee for Physical Review D, Physics Letters B, Nuclear Physics B, Journal of High Energy Physics, Journal of Physics G and Physica Scripta;

Regularly member of PhD-thesis evaluation committees;

Member of the board at the department of Nuclear and Particle Physics (Uppsala), 2005-2007; department of Physics and Astronomy (Uppsala), 2008-2009; department of Astronomy and Theoretical Physics (Lund), 2013-present;

Treasurer on the board of the Particle Physics section of the Swedish Physical Society, 2012-2015;

Co-organizer of a number of workshops and other meetings.

- **Honours:**

The Göran Gustafsson Foundation: Young researcher, 2003;

Elected member of the Royal Academy of Arts and Sciences of Uppsala, 2008

- **Other assignments:**

Director of Studies for the department of Astronomy and Theoretical Physics since September 2013, Deputy Head of Department for the department of Astronomy and Theoretical Physics since January 2016.