

Curriculum vitae: Gunnar INGELMAN

Born 1952-01-18 in Uppsala, Sweden

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Academic degrees and positions:

- 2000– Professor of subatomic physics, Uppsala University
- 1991–99 Staff physicist in DESY theory group, Hamburg (permanent, part-time)
- 1989–99 Lecturer in subatomic physics, Uppsala University (partly on part-time)
- 1988 Professor competence in theoretical subatomic physics, Uppsala University
- 1987 Docent in theoretical physics, Lund Univ., referee prof. A. Donnachie (Manchester)
- 1985–89 Scientific associate, DESY theory group, Hamburg, Germany
- 1985 Scientific associate, UCLA
- 1983–85 Fellow at CERN theory division, Geneva, Switzerland
- 1982 PhD in theoretical physics, Lund University, supervisors Bo Andersson and Gösta Gustafson, opponent at dissertation prof. Frank Close (Oxford/Rutherford Lab)

Research: Particle physics phenomenology, also participation in experiments
[papers](#) >170, [citations](#) 6305 (average 69/publication, h=34), >150 talks

Supervised PhD degrees (year, name, later career) as *main*/co-supervisor at Uppsala univ. (UU):

- 1996 *Johan Rathsman*, postdoc SLAC and CERN, research associate UU, lecturer UU 2006
- 1996 *Mats Thunman*, reactor safety simulation expert Forsmark, Westinghouse
- 1998 *Anders Edin*, postdoc DESY and Durham, Sidec Technologies (Kista), Saab systems
- 2001 *Christiano B. Mariotto* licentiate degree, PhD, lecturer, Brazil
- 2001 Jerome Damet, postdoc Bern univ.
- 2002 *Nicuser Timneanu*, research associate in biophysics UU (VR-funded 2007–11)
- 2003 *Rikard Enberg*, postdoc Paris, Berkeley, Tuscon; VR-funded ass. lecturer UU
- 2005 *Johan Alwall*, postdoc Lovain la Nueve, SLAC, research associate Fermilab
- 2009 David Eriksson, researcher UU, Ericsson research
- 2010 *Oscar Stål*, postdoc DESY
- Presently Glenn Wouda (2009-2013), *Dominik Werder* (2010-2014)
- Co-supervisor (effectively) for P.N. Burrows Oxford 1988, A.G. Brandt UCLA 1992, M. Nyberg-Werther Lund 1994, Ch. Jacobsson Lund 1995, K. Zapp Heidelberg 2008.

Postdocs in phenomenology group at UU (period, name, PhD from / moved on to)

- 2000–2002 Leszek Motyka, PhD@Cracow / postdoc DESY, Hamburg Univ., staff Cracow
- 2005 Stefan Hesselbach, PhD@Würzburg / Southampton, Durham, GSI in Darmstadt
- 2007–2009 Nazilla Mahmoudi, PhD@Annecy / staff Clermont-Ferrand and fellow CERN
- 2009–2011 Roman Pasechnik, PhD@Dubna / ass. lecturer in theoretical physics, Lund univ.
- 2011– William Klemm, PhD@Berkeley

Teaching: Graduate group theory, particle physics, QCD, Monte Carlo methods; lectured at 8 inter-national summer schools (e.g. CTEQ and CERN). **Undergraduate** particle/nuclear physics, programming/numerical methods, project managing, quantum mechanics (top-graded 4.7–4.9 in student's evaluations); supervised 18 Master theses.

Awards: 1999 'Edlund prize' by the Royal Swedish Academy of Sciences
 2006 'F-läraryrket', undergraduate students' pedagogical prize for best teacher
 2007 'Thuréus prize' by the Royal Society of Sciences

Grants: Swedish Research Council (NFR/VR) since 1990– (presently 800 kSEK/year), FRN, Nordita, Nobel Inst. for Physics, STINT, KVSU, Göran Gustafsson's Foundation, Carl Trygger's foundation.

Member: The Royal Swedish Academy of Sciences (Kungl. Vetenskapsakademien)
 Royal Society of Arts and Sciences of Uppsala, board 2004–, secretary 2009–
 Swedish Physical Society (Svenska Fysikersamfundet).

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Assignments nationally/internationally:

- Swedish Research Council (VR, earlier NFR) committees:
 - 2009–2010 chairman NT-MN for subatomic physics, astrophysics, space physics and fusion
 - 2006 deputy chairman NT-M for subatomic physics and astrophysics
 - 2003–2004 NT-M evaluation panel for subatomic physics and astrophysics
 - 2000– CERN committee
 - 1997–98 NFR committee for evaluating research grant applications in subatomic physics
- 2000–2006 Swedish delegate in European Committee for Future Accelerators (ECFA)
- 1999–2006 Editor for section on high energy physics in *Physica Scripta*
- Scientific reference group for Supercomputer Centre ‘Norr’, Sweden
- Editor for 7 proceedings of international workshops/conference sessions.
- Convener and summary speaker at 7 international workshops.
- Organizer of 11 international workshops (4 were year-long with 2-300 physicists in several study groups, 1 cross-disciplinary on free-electron lasers), 5 conference-sessions, 2 summer schools.
- 2005 Organizing committee of Lepton-photon symposium (~500 participants) in Uppsala
- 2007– Research committee on subatomic physics, NORDITA (Nordic inst. for theor. physics)
- **Referee/expert** for
 - Journals:* Physics Letters, Nuclear Physics, Zeitschrift für Physik, European Physical Journal, Nuclear Instruments and Methods, Modern Physics Letters, Physica Scripta, Physical Review, Physical Review Letters, JHEP
 - Ph.D. examination:* Uppsala, Lund, Stockholm, Hamburg, Kalyani/India. *Habilitation:* Hamburg
 - Professorships:* UCLA, Lund, Stockholm, Nordita
 - Applications for grants and positions* at several academies, authorities, foundations, universities in Sweden, Finland, Denmark, Germany, UK, Belgium, Netherlands, Check Republic, Israel, USA and European Science Foundation

Assignments at faculty, Uppsala University:

- 2011– dean of physics, faculty of science and technology
- 2011– board of the faculty of science and technology
- 2010–2011 board of Master Programme in Physics
- 2010–2011 deputy in board of Department of Physics and Astronomy
- 2008– committee on Celsius and Linné lectures, chairman 2010–2013, main organizer of ‘Dark Universe Day’ 2008, ‘Quantum Day’ 2010, ‘Origin-of-life Day’ 2011
- 2007–2009 board of Centre for Dynamical Processes
- 2005–2011 board of docent conferement (‘docenturnämnden’), chairman 2008–2011
- 2005–2010 electoral assembly for deans and vice chancellor (rector)
- 1998–2005 board for Graduate Programme of Physics
- 1998–2001 director for Graduate Programme of Physics
- 1996–1998 committee on graduate teaching in physics
- 1996–1997 chairman committee to evaluate government proposal for university positions
- 1996 committee on undergraduate teaching organization
- 1993–1996 deputy in board of Department of Radiation Sciences
- 1992–1993 advisory committee for dean of physics
- 1991–1992 committee on undergraduate teaching

Popular science: Co-editor for book on ‘Elementary Particles’ Kosmos 1981. Articles in Kosmos about Nobel prize and in ‘Dagens Nyheter’ about top quark discovery. Active in ‘Ambassador’ project at UU for science to schools. Organized visits at DESY for school classes. Lecturer at and organizer of the Academy’s ‘Physics days’ and ‘Inspiration days’ for school teachers. Given many lectures for general public, school pupils/teachers etc.