

## CURRICULUM VITAE KERSTIN JON-AND

Born on 29 November 1949

### Academic degrees

Master of Arts in physics and mathematics (Filosofisk ämbetsexamen) 1971

Graduated at the Institute of Teachers Education in physics and mathematics  
(Examen på ämneslärarlinjen i matematik, fysik) 1972

Ph. D. in Physics (in the area of Elementary Particle Physics) 1986

Qualification as Associate Professor (Docent) in physics at Stockholm University 1990

### Academic positions

Senior level teacher in mathematics and physics, 1972 – 1976

Employments as demonstrator, junior researcher and lecturer at Fysikum, Stockholm University, 1/7 1979 - 31/12 1998

Acting senior lecturer (50%) in physics at KTH, Stockholm, 1/7 1986 - 31/12 1986

Junior researcher (50%) at MSI, Stockholm, 1/2 1988 - 31/1 1992

Senior researcher (50%) at MSI, (from 1/7 1993 KTH Frescati), 1/2 1992 – 31/3 1996

Professor at Fysikum, Stockholm University, 1/1 1999 to date, permanent position, 50% research granted from faculty, currently 100% research

### Fellowships and Distinctions

Corresponding Fellowship at CERN , 15/8 – 15/11 1992

Corresponding Associate at CERN, 1/11 2005 – 31/1 2006

Lindbomska belöningen 2010, award from The Royal Swedish Academy of Sciences

### Research Experience

The **UA5** experiment at CERN 1979-1988 studying proton-antiproton collisions at centre-of-mass energies of 200, 540 and 900 GeV.

The **CPLEAR** experiment at CERN 1988-1996 studying the CP, T and CPT symmetries in the neutral kaon system.

The **ATLAS** experiment at LHC, CERN, since 1994, studying proton-proton collisions at centre-of-mass energies of 7, 8 and 13 TeV. Main experimental responsibility within the hadron calorimeter (TileCal). Physics studies of top quark production and search for Supersymmetry. Several positions of responsibility in the ATLAS organisation.

I have around 550 peer reviewed publications with the experimental collaborations, around 400 during the last five years.

I have given around 13 talks at international and national conferences.

I have been a member of organizing committees for several conferences, e.g. the 2005 Lepton-Photon Conference in Uppsala and the 2013 European Physical Society Conference on High Energy Physics in Stockholm.

### Grants

I have received grants as PI from the Swedish Research Council since 1993, until 2006 mostly to cover part of my salary for research. Since 2007 I have been PI for the grants to run the SU ATLAS group of around 25 participants, currently receiving 2.037 MSEK per year during 2013-2016.

I am coapplicant for a grant from VR to the LHC consortium for "Operation of the ATLAS and ALICE Experiments at the CERN LHC" (PI Bengt Lund-Jensen, KTH) of around 25 MSEK during 2014-2018.

### **Supervision**

Kåre Jansson, Ph.D thesis 1993 (CPLEAR experiment)  
 Mats Danielsson, Ph.D. thesis 1996 (CPLEAR experiment)  
 Jörgen Sjölin, Ph.D. thesis 2002 (ATLAS experiment)  
 Magnus Ramstedt, Ph.D. thesis 2005 (ATLAS experiment)  
 Per Johansson, Ph.D. thesis 2005 (supervisor for ATLAS part of thesis)  
 Elin Bergeås Kuutmann, co-supervisor, Ph.D. thesis 2010 (ATLAS experiment)  
 Karl Gellerstedt, co-supervisor, Ph.D. thesis 2012 (ATLAS experiment)  
 Abulaiti Yiming, co-supervisor, admitted as Ph.D. student in August 2011 (ATLAS)  
 Anna Shcherbakova, co-supervisor, admitted as Ph.D. in September 2013 (ATLAS)  
 Nabila Shaikh, co-supervisor, admitted as Ph.D. student in September 2014 (ATLAS)  
 Supervised 7 diploma and licentiate theses

### **Membership of selection and examination committees**

Member of examination committees at 19 Swedish Ph.D. thesis dissertations.  
 Member of the referee group (beredningsgrupp) for applications to the Swedish Natural Science Research Council 1996-1998 and to the Swedish Research Council 2005.  
 Evaluation committee for "Første amanuensis in experimental particle physics" at the University of Bergen, 2002.  
 Censor at Else Lytken's PhD thesis defence at the University of Copenhagen, 2003-12-18  
 Expert in the appointment of Senior University Lecturer in experimental high energy physics at Lund University 2007, expert in the assessment of qualifications of a visiting Professor at Lund University 2010, expert in the assessment of qualifications for a promotion to Professor in "Experimentell Högennergifysik" at Lund University 2011.  
 First opponent at Katarina Pajchel's PhD thesis defence at Oslo University, 2010-08-19

### **ATLAS related committees and appointments**

Member of the ATLAS Tilecal Institute Board since 1998  
 One of Stockholm University representatives in ATLAS Collaboration Board since 1998  
 Member of ATLAS Publications Committee 2006-03-01 - 2008-03-01  
 Co-Chair of the organizing committee of the ATLAS Overview Week, Stockholm, 2006  
 Elected Chairperson of ATLAS Collaboration Board with more than 170 representatives of ATLAS member institutions (deputy 2007, 2010, chair 2008-09)  
 Member of the ATLAS Tilecal Speakers Committee May 2010 - September 2012  
 Elected Chair of the TileCal Institute Board 2011-05-01 - 2015-04-30

### **University and other appointments**

Chairperson in the board of the Particle Physics Section of the Swedish Physical Society, 1990 - 92.  
 Representing Stockholm Univ. in the board of the Swedish LHC Consortium since 1998  
 Chair of the Committee for Undergraduate Education at Fysikum, Stockholm University, 2007-2008

Member of the steering group of the Stockholm University Oskar Klein Centre, 2008-2011

Member of the Board of Fysikum, Stockholm University, 2009-2011

Coordinator of the Division of Elementary Particle Physics at Fysikum, Stockholm University, 2011-2012

Dean of the Mathematics-Physics section of the Science Faculty at Stockholm University 2012-2014

Member of the board of the Institute for Solar Physics 2013-10-10 – 2015-06-25

Member of the board of the Swedish Research Council 2015-06-25 – 2015-12-31