

Curriculum Vitae

Tord Johan Carl Ekelöf

Born 12.09.1945 in Uppsala, Sweden
Studentexamen (Baccalaureat) Katedralskolan i Uppsala 17.04.1964
Filosofie kandidat (B.Sc.), Uppsala University(UU) 07.06.1966
Civilingenjör (Master of Engineering) UU 02.09.1968
Filosofie doktor (Ph.D.) UU 31.05.1972
Docent (Reader) UU 24.01.1977
Professor of Elementary Particle Physics, UU 09.02.1998
Director of the Accelerator Development Department, UU 01.01.2012

Employments:

Autumn 1969 Visiting Scientist, CERN
Autumn 1969 Laboratorieassistent (Laboratory assistant), UU
Spring 1970 Doktorandstipendium (Ph.D. fellowship), UU
Autumn 1972 Research Fellow, CERN
Spring 1975 Forskningsassistent (Research assistant), NFR (SRC) and UU
Spring 1977 Research Associate, CERN
Spring 1979 Staff Physicist, EP-Group Leader, CERN
Autumn 1983 Forskare (Research Physicist), NFR and UU
Autumn 1988 Research Associate, CERN
Spring 1990 Högskolelektor (Reader) charged with research, NFR and UU
Spring 1993 Forskningslektor (Research Reader), UU
Autumn 1996 Research Associate, CERN
Spring 1998 Professor of Elementary Particle Physics, UU
Spring 2012 Project Leader and Director of Accelerator Development Division FREIA, UU

Research Projects

1. Coherent elastic pi-helium scattering at the CERN PS 1968-1972 (S95), Thesis experiment
2. Proton diffraction dissociation at the CERN PS 1972-1975 (S122)
3. Excited nucleons in nuclei at the CERN PS 1974-1977 (S143)
4. Elastic pi-proton scattering and Coulomb interference at the CERN SPS 1975-1980 (WA9, NA8), Spokesperson (WA9)
5. Development of the RICH technique and conception of the DELPHI LEP experiment, 1979-1992, CERN Group Leader
6. Charm production at the CERN SPS Collider 1982-1989 (UA2-RICH), Spokesperson
7. Experimental build-up and physics analysis at LEP since 1992 (DELPHI,) Project Leader (FRICH), Team Leader (Electroweak Physics Analysis)
8. Preparation of the ATLAS experiment at LHC since 1985, Group Leader (Radiation Hard Electronics, Microstrip Silicon Detectors), Spokesperson for Swedish LHC Consortium 1998-2012, Uppsala ATLAS Group Leader 1990-2012, participation in data taking and analysis since 2010
9. Uppsala Group Leader in the Compact Linear Collider (CLIC) Test Facility project since 1994
10. Uppsala Group Leader in the D0 experiment at the Fermilab collider 2001- 2006
11. Co-leader with Marcos Dracos/ Strasbourg CRNS/IN2P3 of the International Design Study for a world unique ESS neutrino Super Beam for leptonic CP violation discovery since 2012

Selection of major (>10 MSEK) research grants of which I am Principal Investigator

1. Swedish instrumentation for experimentation at LHC; two KAW grants, 20 MSEK in 1998 and 16 MSEK in 2001
2. Swedish build-up and commissioning of experiments at LHC; VR grant 17 MSEK in 2001.
3. Computer equipment for a Swedish Grid test bed; KAW Foundation grant 22.56 MSEK in 2002.
4. Build-up and tests with the Two-Beam Test-Stand in the Compact Linear Collider CLIC; KAW Foundation grant 9.1 MSEK and VR grant 7.6 MSEK in 2005 and 4.1 MSEK in 2009
5. Computer equipment and operation for SweGrid; VR grant 22.4 MSEK 2007, 6.3 MSEK 2008 and 7 MSEK 2009
6. Helium 2K liquefier; KAW Foundation grant, 40 MSEK 2010

Research organization assignments as from the year 2000

Tord Ekelöf 450912-1416

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1982- 2006 DELPHI Collaboration Board
1992-2012 ATLAS Collaboration Board
1992- 2006 CERN Committee of NFR
1997- 2012 Chairman of the Swedish LHC Consortium
2000- Member of the SESAME (Synchrotron-light for Experimental Science and Applications in the Middle East) International Council
2000- 2012 Board member of the NorduGrid consortium
2001 Swedish member of Research Planning Subgroup of the OECD Consultative Group on High Energy Physics
2000-2006 Chairman of the recurrent Ring Imaging Cherenkov (RICH) Detectors International Workshops
2002- Member of the Strategic Technical Advisory Committee (STAC) of the Swedish National Infrastructure for Computing (SNIC)
2004-2005 Charged by IUPAP C11 with the organization of the 2005 Lepton-Photon Conference in Uppsala
2005-2006 Local organizer of the European High Energy Physics School ("The CERN School") in Aronsborg, Sweden June 2006
2005- Member of the CLIC Test Facility Collaboration Board
2006- 2012 Member of the Nordic Data Grid Facility (NDGF) CERN Committee
2006/12 - Chair of the international workshop "Prospects for charged Higgs discovery at colliders" in Uppsala 13-16 September 2006, 16-19 September 2008, 27-30 September 2010 and September 2012
2009- Chair of the Governing Board of the EU 7th framework project "European Coordination for Accelerator Research and Development" (EuCARD) and "European Coordination for Accelerator Research and Development II" (EuCARDII)
2010- Contractor for the Nordic Consortium of the EU 7th framework project "Test Infrastructure and Accelerator Research Area" (TIARA)
2011- Chair of the Steering Board of the ESS Superconducting Linear Accelerator Power Generation and Control Project at Uppsala University
2011 - Chair of the Governing Board of the European Coordination for Accelerator Research & Development

Persons for whom I have been PhD thesis supervisor

Bengt Lund-Jensen 1988, Lars-Owe Eek 1989, Kjell Fransson 1990, Jonas Medbo 1997, Fredrik Tegenfeldt 2001, Jerome Damet 2001, Mattias Ellert 2001, Yann Coadou 2003, Nils Gollub 2005, Cristian Hansen 2005, Peder Eliasson 2008, Martin Flechl 2010 and Camille Bélanger-Champagne 2011.

Organisation of International Conferences

Major conferences since 2005 of which I have been the main organizer

2004-2005 Charged by IUPAP C11 with organization of the 2005 Lepton-Photon Conference in Uppsala, Sweden
2005-2006 Local organizer of the European High Energy Physics School ("The CERN School") in Aronsborg, Sweden June 2006
2006 Organizer of Spatind Nordic Particle Physics Conference, Spatind, Norway 2008-01-07
2006-12 – Chair of four "International Workshops on Prospects for charged Higgs discovery at colliders" in Uppsala 13-16 September 2006, 16-19 September 2008 and 27-30 September 2010 and 8-11 October 2012
2012 Organizer of "Higgs Fest Symposium", Uppsala Castle, Uppsala, Sweden, 2012-09-27
2013 Chair of the LHC Nobel Symposium, Krusenbergska, Sweden, 13-17 May 2013