

# Curriculum Vitæ – Klas Hultqvist

<b>Higher education</b>	1980	Filosofie Kandidat-examen (B.Sc.)	Stockholm University
<b>Doctoral degree</b>	1986	Physics, Stockholm University	'A study of prompt production of neutral particles in 400 GeV proton-copper interactions and a simulation of Higgs boson search at LEP.'
<b>Postdoctoral position</b>	1/4 1986 - 28/2 1989	Fellow	CERN
<b>Docent</b>	30/5 1991		Stockholm University
<b>Current position</b>	1/2 2000 - present	Professor	Stockholm University
<b>Previous positions</b>	1/1 1988 – 31/12 1991	Res. Assistant (foass)	Stockholm University
	1/1 1992 – 31/12 1992	Project leader	Stockholm University
	1/1 1993 – 31/1 2000	Lecturer	Stockholm University
	1/11 1998 – 31/12 1999	Paid associate	CERN

## Experiments

	<b>Process</b>	<b>Time</b>	<b>Activity</b>
WA66	neutrino beam-dump	'81 – '86	Data taking and analysis
DELPHI	$e^+e^-$ collisions	'80 – '85	Physics simulations
UA2	$p\bar{p}$ collisions	'86 – '89	Graphics display, fibre detector, Analysis
DELPHI	$e^+e^-$ collisions	'89 – '03	Data acquisition, Higgs searches, SUSY searches, Editor
AMANDA/IceCube	$\nu$ astronomy	'01 – present	Analysis & analysis coordination Electronics, Simulation, Publications

## Supervision

Involved in the supervision of the graduate students below. Formally main supervisor of Wikström, Danninger, Flis, and Jansson, co-supervisor of Ahrens and Deoskar, and one of two supervisors for Jacobsson, Malmgren, Andersson, Dalmau, and Johansson (historically, supervision responsibility was shared between members of the Stockholm particle physics group):

Name	From	Lic.	PhD	Name	From	Lic.	PhD
Ariel Goobar	860313		911212	Richard Jacobsson	920305	960117	961011
Tord Malmgren	940609	970506	980918	Patrik Gunnarsson	920130	960603	
Kerem Cankocak	910606	980209		Per Andersson	950202	971217	
Jörgen Dalmau	980611		031003	Per Johansson	991216	040326	051215
Yulia Minaeva	000301	030520	040528	Patrik Ekström	951001		040601
Christin Wiedemann	010607		071127	Thomas Burgess	011122		080320
Gustav Wikström	050203	070601	090529	Henrik Johansson	060120	081107	110608
Matthias Danninger	090101	110916	130614	Samuel Flis	111212	141217	170612
Maryon Ahrens	131110	180502		Kunal Deoskar	170907	201110	
Matti Jansson	190221						

Postdocs and assistant professors (forskarassistenter) supervised:

Name	Date	Project
Reino Keränen	1994-1995	DELPHI
Stephan Hundertmark	2001-2006	AMANDA
Seon-Hee Seo	2008-2011	IceCube
Chad Finley	2009-2010	IceCube

## Teaching

Teaching regularly since more than 25 years (Electromagnetism, Thermal Physics, Experimental Methods in Physics, Quantum Physics). Wrote a textbook on electromagnetism ('Elektricitet och magnetism från början', Studentlitteratur).

## Assignments

	date
Member of NFR/VR "beredningsgrupp"	'99, '00, '02
Referee for Dutch research council (FOM)	'05, '07
Chair of the Fysikum library committee	'00 - '15
Deputy member of the Board of Stockholm University library	'01 - '04, '08 - '10
Member of the board of the Section for Particle and Astroparticle Physics of the Swedish Physical Society	'02 - '05
Chair of the board of the Particle Section	'04 - '05
Coordinator for IceCube simulation software	'04 - '09
Member of the IceCube publication committee	'05 - '08
Member of the steering committee of the Oskar Klein Centre (OKC)	'08 - '14
Convener for the OKC Dark Matter working group	'08 - '12
Convener for the IceCube Diffuse Flux working group	'13 - '18
Head of the division of Elementary Particle Physics, Fysikum, SU	'13 - present
Substitute member of the SU science recruitment committee (Läroförslagsnämnd)	'19 - present