

## CV for Ariel Goobar

## PERSONAL DATA

Marital Status: married with two sons.  
 Nationality: Swedish  
 Born: November 23rd , 1962 in Argentina

## EDUCATION

|        |   |                            |
|--------|---|----------------------------|
| Docent | Physics   | 1996, Stockholm University |
| Ph.D.  | Experimental Particle Physics                             | 1991, Stockholm University |
| M.Sc   | Physics, Specialization in Mathematics and Physics Models | 1986, Stockholm University |
| B. Sc  | Physics, First Class Honors                               | 1985, University of Sussex |

Thesis title: *Search for Higgs Bosons in  $Z^0$  Decays using the DELPHI detector.* Supervisor: Prof. Erik Johansson.

## RESEARCH POSITIONS

|                         |  |  |
|-------------------------|--|--|
| University Prof.        | Experimental Particle Astrophysics and Cosmology | Since July 2001, Physics Dept., Stockholm University |
| Academy associate Prof. | Research in Astronomy and Cosmology              | 2001-2005, Swedish Academy of Sciences               |
| Associate Prof.         | Research in Cosmology                            | From May 1999, Stockholm University                  |
| Assistant Prof.         | AMANDA experiment, NFR <i>forskarassistent</i>   | 1994-1998, Stockholm University                      |
| Postdoc                 | Supernova Cosmology Project (SCP).               | 1992-1994, Lawrence Berkeley National Laboratory     |
| Graduate Student        | DELPHI experiment                                | 1986-1991, Stockholm University/CERN                 |

## COLLABORATORS

|                                 |                          |
|---------------------------------|--------------------------|
| The SDSS-II SN Collaboration    | 2006-present (affiliate) |
| The SNLS Collaboration          | 2003-present (affiliate) |
| The SNAP Collaboration          | 2000-present             |
| The Supernova Cosmology Project | 1991-present             |
| The AMANDA Collaboration        | 1993-2000                |
| The DELPHI Collaboration        | 1986-1991                |

### TEACHING ACTIVITIES (20%)

|                    |   |                                |
|--------------------|---|--------------------------------|
| Lecturer           | Astroparticle physics and cosmology   | 1999-present                   |
| Lecturer           | Avancerad Problemlösning  | 1999-present                   |
| Lecturer           | Relativitetsteori & Kosmologi   | 2004-present                   |
| Lecturer           | Introduction to Mechanics   | 1994-1998                      |
| Teaching Assistant | Mechanics, Electromagnetism. Solid State Physics                            | 1987-1991                      |
| Author             | Textbook: "Cosmology and Particle Astrophysics", L. Bergström and A. Goobar | 1998 (1:st ed), 2003 (2:nd ed) |

### PHD THESIS SUPERVISION

Jakob Nordin, since 2006  
Teresa Riehm, since 2006  
Linda Östman, since 2005  
Karl Andersson, PhD 2007  
Jakob Jönsson, PhD 2007  
Rahman Amanullah, PhD 2006  
Gaston Folatelli, PhD 2004  
Gabriele Garavini, PhD 2004  
Serena Nobili, PhD 2004

### AWARDS & HONORS

Share of *Gruber Prize in Cosmology* (2007)  
Awarded the largest national prize for young researchers, *Gustafssonpriset* (2004)  
Organizer of the Nobel Symposium in Cosmology and String Theory (2003)  
Member of ESA's astronomy working group (2003)  
Member of Editorial board of the Journal of Cosmology and Astroparticle Physics (2003)  
Awarded research position by the Swedish Academy of Sciences (2000)  
Awarded the Swedish Academy of Science prize Edlundska priset (2000)  
Member of the Swedish National Committee for Astronomy (1995-1998)  
NFR Post-Doc Fellowship (1992-1994)  
CERN Fellowship in Experimental Particle Physics, declined. (1991)

### SOME INVITED TALKS

Dark Universe Day, Uppsala, 2008  
Talk at Cosmology Conference at Perimeter, 2007

Supernova workshop at Dark center,Copenhagen, 2007  
Workshop on Cosmological Frontiers, Perimeter Institute, 2005  
The identification od Dark Matter, Edinburgh, 2004  
Academy of Sciences *Einstein Lecturer*, Göteborg, 2003  
Adriatic meeting on “Particle Physics and the Universe”,2003  
New Worlds in Astroparticle Physics, Faro, 2002  
International Cosmic-Ray Conference, Hamburg, 2001  
Lecture at the Franqui prize workshop, Brussels, 2001  
CAPP, Workshop on Cosmology and Particle Physics, Verbier, 2000  
PASCOS Conference, South Carolina, 2000  
Frontiers in Astrophysics and Cosmology, San Feliu, 2000  
Nobel Symposium in “Particle Physics and the Universe”, Haga Slott, 1998