

Patrik Jonsson

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Education

Ph.D., Astronomy & Astrophysics, University of California, Santa Cruz (September 2004):
“Simulations of Dust in Interacting Galaxies”
Advisors: Prof.’s Joel Primack and Sandra Faber
M.S., Astronomy & Astrophysics, University of California, Santa Cruz (1999)
M.S., Engineering Physics, Uppsala University, Sweden (1996):
“A study of the use of the decay $B^{++} \rightarrow B^{0(*)}\pi^+$ for $B_0 - \bar{B}_0$ tagging in ATLAS”*

Research Experience

Postdoctoral Researcher, U.C. Santa Cruz, 2004–present
Graduate Student Researcher, U.C. Santa Cruz, 1997–2004.
CERN Summer Student, 1995

Teaching and Education Experience

Advisor, Undergraduate Senior Thesis (Miguel Rocha), 2006
Instructor, Center for Adaptive Optics Workshop on Inquiry-Based Learning, 2005
Instructor, Center for Adaptive Optics Akamai Observatories Short Course, Waimea/Hilo, HI,
June 2004
Instructor: “Color and Light”, an inquiry-based learning experience for undergraduates, Maui
Community College, HI, November 2003
Participant, Center for Adaptive Optics Workshops on Inquiry-Based Learning, 2001 – 2004
Instructor, California Summer School for Mathematics and Science, 2001, 2002
Teaching Assistant (5 Classes, Undergraduate Astronomy Overview), 1997 – 2002

Grants

as PI:

HST Theory Grant AR-10958 (2006): “Quantifying Observed Timescales in Galaxy Mergers
using Simulations”
Spitzer Theory Grant P30183 (2006): “Infrared Predictions from Simulations of Merging
Galaxies”

as Co-I:

HST Theory Grant AR-10678 (2005): “Simulated HST Images of Merging Galaxies Including
Star Formation and Dust” (PI: Primack)

Awards and Fellowships

Institute for Geophysics and Planetary Physics (IGPP) University Collaborative Research
Program Grant, 2003, 2004
UCSC Department of Astronomy and Astrophysics Whitford Prize, 1998
Sweden-America Foundation Fellowship, 1997
Scholarship for Research, The Foundations of Anders Wall, 1990