
Benne W. Holwerda

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Education

- 2000-2005 **Ph.D., Astronomy**, *The Opacity of Spiral Disks*, June 17, 2005
Kapteyn Institute, University of Groningen, the Netherlands, in
collaboration with the Space Telescope Science Institute
with Prof. Dr. R.J. Allen and Prof. Dr. P.C van der Kruit.
- 1995-2000 **Master of Science, Astronomy**, August 2000
Kapteyn Institute, University of Groningen, the Netherlands

Science Experience

- Sept 2005- **Space Telescope Science Institute, postdoc**
Present - *SINGS team member, with D. Calzetti. IRAC mosaicing quality control.*
- *Spitzer observations of Edge-on spirals in collaboration with R.S. de Jong.*
- *MMT/MEGACAM observations of the NGC4244 halo (3 nights) in collaboration with R.S. de Jong.*
- *Independent research in the opacity of M101 and M51 based on distant galaxy counts.*
- 2000- **Kapteyn Astronomical Institute and Space Telescope Science Institute, Ph.D. student**
June 2005 - *WFPC2 reduction, Source Extractor modification, catalog generation and handling, automatic object classification.*
- *Analysis of opacity of spiral disks from counts of distant galaxies seen through them.*
- 1998-2000 **Kapteyn Astronomical Institute, undergrad research**
- *Reduction of WHT/ISIS echelle spectroscopy of Arp220, UGC 2953 and fits of optical rotation curve.*
- *Reduction of Fabry-Perot TAURUS imaging of NGC5462, a superbubble in M101*

Succesful Proposals

PI: HST: Cycle-16 Archival Grant 11257,
Cycle-14 Archive Grant 10662 and 10663,
William Herschel Service proposal SW2005a07

Co-I: HST Cycle-16 General Observation Proposal 11147
NOAO proposals No. 2006A-0326

Teaching and Outreach Experience

2007 Public Lecture at Space Telescope Science Institute
2005-2007 Monthly Column in Dutch astronomy magazine *Zenit*
2003-2004 University of Groningen, the Netherlands
*Co-taught introduction to astronomy course open to all
undergrad students, wrote and delivered lectures,
maintained website and corrected papers.*

1999 Guide at science exhibition Magiorama in Groningen.
winter 1998 Open University, Groningen, the Netherlands
and *Taught astronomy to the general public*
winter 1999 *wrote and delivered lectures.*

Other Experience

2005-2007 Monthly column for Dutch popular astronomy magazine *Zenit*
2001 Wrote and delivered a Source Extractor instruction lecture together
with Ed Smith.

1997-1999 Website design Kapteyn Institute, education information website
1998 Website design HIFI instrument
1995-1999 Undergrad representative in Astronomy Faculty Counsel, the
educational committee and hiring committee Astronomy Faculty

Software

Python, C/C++, IDL, Perl, IDL, IRAF (pyraf), GIPSY
Expert: Source Extractor

Awards

Director's Discretionary Fund (STScI), 2003
Poster Prize Dutch Astronomer conference 2002

Hobbies

Dutch Recreational Pilot's License (2000)
American Private Pilot License (2003)
Swimming, Biking

Languages

Native: Dutch
Fluent: English
Moderate: German, French