

Publication List Benne W. Holwerda

Refereed Publications

B.W. Holwerda, W. Keel, and A. Bolton, 2007, AJ, *accepted*
Occulting Galaxy Pairs in the Sloan Digital Sky Survey: Recent History of Spiral Disk Opacity

B.W. Holwerda, R. A. González, R.J. Allen and P.C. van der Kruit, 2007, AJ, *accepted*
The Opacity of Spiral Galaxy Disks VIII: comparing opacity profiles from FIR emission and counts of galaxies

B. W. Holwerda, M. Meyer, M. Regan, D. Calzetti, K.D. Gordon, J.D. Smith, D. Dale, C. Engelbracht, T. Jarrett, R. Kennicutt, 2007, AJ, *accepted*, *Gaps in the cloud cover? Comparing extinction measures in spiral disks*

P. Kamphuis, **B. W. Holwerda**, R. J. Allen, R.F. Peletier, and P.C. van der Kruit, 2007, A&A, *accepted*
The symmetry of Star Formation in NGC 891

B.W. Holwerda, R. A. González, R.J. Allen and P.C. van der Kruit, 2005, A&A, **444**, 319-325
The Opacity of Spiral Galaxy Disks VII: The accuracy of galaxy counts as an extinction probe.

B. W. Holwerda, R. A. González, P. C. van der Kruit and R. J. Allen, 2005, A&A **444**, 109-117
The Opacity of Spiral Galaxy Disks VI: Extinction, stellar light and color.

B. W. Holwerda, R. A. González, R. J. Allen and P. C. van der Kruit, 2005, A&A **444**, 101-107
The Opacity of Spiral Galaxy Disks V: dust opacity, HI distributions and sub-mm emission.

B. W. Holwerda, R. A. González, R. J. Allen and P. C. van der Kruit 2005, AJ, **129**, 1396-1411.
The Opacity of Spiral Galaxy Disks IV: Radial Extinction Profiles from Counts of Distant Galaxies seen through Foreground Disks.

B. W. Holwerda, R. A. González, R. J. Allen and P. C. van der Kruit 2005, AJ, **129**, 1381-1395.
The Opacity of Spiral Galaxy Disks III: Automating the “Synthetic Field Method”

Articles in preparation

B.W. Holwerda, 2007, A&A Research Note, in preparation, est sub: Aug 2007.
Host Galaxy Extinction of SN1a; a model to lower R_V

B.W. Holwerda, 2007, AJ, in preparation, est sub: Sep 2007.
Source Structure Parameters in Source Extractor

B.W. Holwerda, R.S. de Jong, M. Regan, A. Seth, J.D. Dalcanton, E. Bell, S. Bianchi., 2007, in prep, est sub: Sept 2007
Spitzer's View on Edge-On Spiral Disks

R.S. de Jong, **B.W. Holwerda**, 2007, in prep, est sub: Oct 2007
Spitzer's View on Edge-On Spiral Disk; ISM spiral disk stability

K. Saha, R.S. de Jong, **B.W. Holwerda**, 2007, in prep, est sub: Oct 2007
Spitzer's View on Edge-On Spiral Disk; ISM spiral disk stability

B.W. Holwerda, R.S. de Jong, 2007, est sub: Dec 2007
Spitzer's View on Edge-On Spiral Disk; disk truncation.

B.W. Holwerda, K.D. Kuntz, R. A. González, R.J. Allen and P.C. van der Kruit, 2008, in preparation, est. sub: Spring 2008
Mapping the dust opacity in M101 from counts of distant galaxies.

B.W. Holwerda, R. A. González, R.J. Allen and P.C. van der Kruit, 2008, in preparation, est. sub: Spring 2008
Dust opacity of M51 from counts of distant galaxies.

B.W. Holwerda, A. Pellerin, P. Zezas, 2008, in preparation, est. sub: Spring 2008, *Opacity map of M81 from counts of distant galaxies.*

A. Pellerin, **B.W. Holwerda**, P. Zezas, 2008, in preparation, est. sub: Spring 2008, *Young dissolving clusters in M81*

B.W. Holwerda, A. Seth, 2008, in preparation, est. sub: Spring 2008, *Cluster detection and completeness test with HST.*

Conference Proceedings

B.W. Holwerda, R.A. González, D. Calzetti, R.J. Allen, P.C. van der Kruit and the SINGS team, 2006 Proceedings of the "Infrared Diagnostics of Galaxy Evolution", Pasadena, 2005, (astro-ph/ 0603395), *Dust in spiral disks: opacity profiles from FIR emission and counts of distant galaxies*

B.W. Holwerda, R.A. González, R.J. Allen and P.C. van der Kruit, 2005
Proceedings of the “Island Universes” conference in honor of P.C. van der Kruit, Terschelling, July 3-8, 2005, (astro-ph/0508261), *The Opacity of Spiral Galaxy Disks: dust opacity from calibrated counts of distant galaxies*.

R.A. González, **B.W. Holwerda**, L. Loinard, R.J. Allen and S. Muller, 2004
Nearby Large-Scale Structures & the Zone of Avoidance, ed. A. P. Fairall & P. A. Woudt, (San Francisco: ASP Conf. Ser.), (astro-ph/0407467), *Total Opacity of Local Group Galaxies and Large Scale Structure behind the Galactic Bulge*

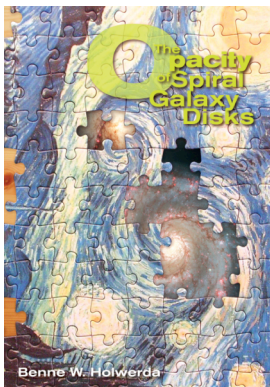
B.W. Holwerda, R.A. González, R.J. Allen and P.C. van der Kruit, 2003
Proceedings IAU, Sidney, July 22, 2003, (astro-ph/0309183), *The Opacity of Spiral Galaxies from Counts of Distant Background Galaxies*.

B.W. Holwerda, R.J. Allen, and P.C. van der Kruit, 2002,
Proceedings of The Dynamics, Structure and History of Galaxies: A Workshop in Honour of Prof. Ken Freeman, (astro-ph/0201484), *Automating the Synthetic Field Method: Application to Sextans A*

B.W. Holwerda, R.J. Allen, P.C. van der Kruit, and R.A. González, 2001 Poster
Proceedings of the STScI 2001 spring symposium “Dark Universe: Matter, energy, and Gravity.” 2-5 Apr 2001 STScI, Baltimore, ed. M. Livio, *Detection of anomalous extinction in the dwarf galaxy Sextans A from counts of background galaxies*

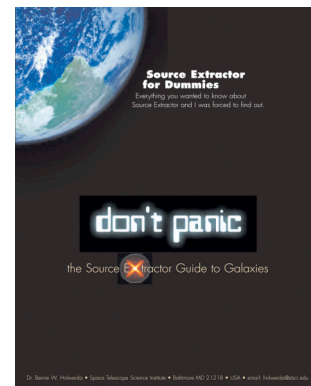
Documentation

B.W. Holwerda, *Source Extractor for Dummies*, (2002, 2005 significant update), astro-ph/0512139, A user manual for use of *Source Extractor* (Bertin et al. 1995).
<http://www-int.stsci.edu/~holwerda/SE/Welcome.html>



Thesis

B.W. Holwerda, *The Opacity of Spiral Galaxies*, (2005), Kapteyn Astronomical Institute, University of Groningen,
<http://irs.ub.rug.nl/ppn/277153174>



Invited Talks

STSCI, postdoc colloquium, June 2007	Carnegie, Pasadena, Nov, 2005
Colombia, NYC, May 2007	Spitzer Science Center, Pasadena, Nov, 2005
Museum of Natural History, NYC, April 2007	CAS colloquium, Johns Hopkins, Baltimore, Nov, 2005
Harvard, CfA, Boston, Mar, 2007	Steward Observatory, Tucson, Sep, 2005
CAS colloquium, Johns Hopkins, Baltimore, Mar, 2007	Kapteyn Institute, Groningen, the Netherlands, May, 2005
UNAM, Morelia, Nov, 2006	Laboratoire Astrophysique de Marseille, Feb, 2005
Kapteyn Institute, Groningen, the Netherlands, Jun, 2006	Carnegie, Institute of Terrestrial Magnetism, Jan 2005
Sterrenwacht Leiden, the Netherlands, Jun, 2006	UNAM, Morelia, Jan, 2004
Naval Observatory, Washington DC, Feb, 2006	

Conference Posters

- **B.W. Holwerda**, R.S. de Jong, M. Regan, A. Seth, J.D. Dalcanton, E. Bell, S. Bianchi, 2006, AAS, 209, #18.05, *Spitzer's view on edge-on galaxies*.
- **B.W. Holwerda**, R.A. González, D. Calzetti, R.J. Allen, P.C. van der Kruit and the SINGS team, 2006 *Proceedings of the "Infrared Diagnostics of Galaxy Evolution", Pasadena, 2005, (astro-ph/0603395)*, Dust in spiral disks: opacity profiles from FIR emission and counts of distant galaxies
- **B.W. Holwerda**, R.A. González, R.J. Allen, D. Calzetti, P.C. van der Kruit and the SINGS team, 2005, AAS, 207, #64.12 *Dust in spiral disks: opacity profiles from FIR emission and counts of distant galaxies*
- **B.W. Holwerda**, R.A. González, R.J. Allen and P.C. van der Kruit, 2005 *Proceedings of the "Island Universes" conference in honor of P.C. van der Kruit, Terschelling, July 3-8, 2005, (astro-ph/0508261)*, The Opacity of Spiral Galaxy Disks: dust opacity from calibrated counts of distant galaxies.
- **B.W. Holwerda**, R.A. González, R.J. Allen and P.C. van der Kruit, 2004, AAS, 205, #122.05, *The opacity of spiral disks from counts of distant galaxies*.
- **B.W. Holwerda**, R.A. González, R.J. Allen and P.C. van der Kruit, 2004, IAU, 220, *The Opacity of Spiral Galaxies from Counts of Distant Background Galaxies*
- **B.W. Holwerda**, R.A. González, R.J. Allen, P.C. and van der Kruit, 2004, AAS 204, #15.06, *Radial Extinction in Spiral Disk from the numbers of background galaxies*
- R.J. Allen, **B.W. Holwerda**, R.A. González and P.C. van der Kruit, 2004, AAS, 204, #40.22, *Arm and inter-arm opacities from counts of background galaxies*.
- **B.W. Holwerda**, R.A. González, R.J. Allen, P.C. and van der Kruit, 2003, AAS 203, #114.04, *Radial Extinction in Spiral Disks*

- **B.W. Holwerda**, Allen, R.J., van der Kruit, P.C. and González, R. A., 2002, AAS, 201, #116.01, *Dust Absorption in Spiral Galaxies from Counts of Background Objects*.
- **B.W. Holwerda**, R.J. Allen, and P.C. van der Kruit, 2002, The Dynamics, Structure and History of Galaxies: A Workshop in Honour of Prof. Ken Freeman, (astro-ph/0201484), *Automating the Synthetic Field Method: Application to Sextans A*
- **B.W. Holwerda**, R.J. Allen and P.C. van der Kruit, 2001, AAS, 199, #58.08, *Automating the Synthetic Field Method*
- **B.W. Holwerda**, R.J. Allen and P.C. van der Kruit, 2001, AAS, 198, #08.10, *The Opacity of Galaxies*

Popular Articles

- *Hoe doorzichtig is een melkwegstelsel? (How transparent is a galaxy?)* B.W. Holwerda, Zenit (Dutch popular astronomy magazine), November 2005
- *Monthly column in the Zenit, a Dutch-language amateur astronomy magazine for 2 years.*