

Sjoert van Velzen

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Citizenship: The Netherlands

Birthday: Aug-28-1984

Current Position	Hubble Postdoctoral Fellow – The Johns Hopkins University	2014-Present
Education	PhD – Radboud University Nijmegen Promotor: Heino Falcke Thesis: <i>Jets from supermassive black holes: from cosmic to human timescales</i> Double M.A. Particle Physics, Astrophysics (cum laude) – University of Amsterdam Advisors: Glennys Farrar, Ralph Wijers, and Els de Wolf Thesis: <i>Optical flares and cosmic particles</i> B.S. Physics and Astrophysics (cum laude) – University of Amsterdam Advisor: Koenraad Schalm Thesis: <i>Degeneracies in the CMB</i>	2014 2010 2006
Honors and Awards	Hubble Postdoctoral Fellowship Proposal title: <i>Optical transients at the heart of galaxies</i> Huygens Scholarship by the Dutch Ministry of Education National scholarship for top 10% of Master's students, supports research abroad. VIP07 by the Vrije Universiteit Amsterdam National competition for best presentation of undergraduate research. Science Award by the Institute of Interdisciplinary Studies Awarded for popular science article: <i>Wanted: Cosmic Designer</i> .	2014 2008 2007 2006
First-Author Referred Articles	As of January 2016: 253 citations on first-author publications (via ADS) van Velzen , S., Anderson, G., Stone, N. C., et al. Science , 351 , 62 <i>A radio jet from the optical and x-ray bright stellar tidal disruption flare ASASSN-14li</i> van Velzen , S., Falcke, H. & Körding, E., MNRAS , 446 , 2985 <i>Nature and evolution of powerful radio galaxies</i> van Velzen , S., Farrar, G. R., ApJ , 762 , 53 <i>Measurement of the rate of stellar tidal disruption flares</i> van Velzen , S., & Falcke, H., A&A letters , 557 , L7 <i>The contribution of spin to jet-disk coupling in black holes</i> van Velzen , S., Frail, D. A., Körding, E., & Falcke, H., A&A , 552 , A5 <i>Constraints on off-axis jets from stellar tidal disruption flares</i> van Velzen , S., Falcke, H., Schellart P., et al., A&A , 544 , A18 <i>Radio galaxies of the local universe. All-sky catalog, luminosity functions, and clustering</i> van Velzen , S., Körding, E., & Falcke, H., MNRAS letters , 417 , L51 <i>Radio jets from stellar tidal disruptions</i> van Velzen , S., Farrar, G. R., Gezari, S., et al., ApJ , 741 , 73 <i>Optical discovery of probable stellar tidal disruption flares</i>	2016 2015 2014 2013 2013 2012 2011 2011

Selected Non-first Author Publications	As of January 2016: 740 citations. (via ADS)	
	Orrù, M., van Velzen , S., and the LOFAR collaboration, A&A , 584 , 11 <i>Wide-field LOFAR imaging of the double-double radio galaxy B1834+620</i>	2015
	Blagorodnova, N., van Velzen , S., et al., MNRAS accepted <i>Gaia transient detection efficiency: hunting for nuclear transients</i>	2015
	Lane, W. M. Cotton, W. D., van Velzen , et al., MNRAS , 400 , 327 <i>The Very Large Array Low-frequency Sky Survey Redux (VLSSr)</i>	2014
	Auger Collaboration (alphabetical author order), ApJ , 794 , 172 <i>Searches for Large-scale Anisotropy in the Arrival Directions of Cosmic Ray</i>	2014
Successful Observing Proposals (as PI)	Spitzer Dust Reprocessing of Stellar Tidal Disruption Flares, p12046 , 1 h,	2015
	HST Late stages of accretion in tidal disruption flares, HST-14255 , 8 orbits,	2015
	Gemini Reverberation mapping of tidal disruption flares, 2015B-0225 , 5 hours	2015
	KPNO Spectroscopic follow-up of TDF discovered by Gaia, 2015B-0227 , 4 nights	2015
	WHT Rare (and unexpected) transients from Gaia, W14BN015 , 6 nights	2015
	VLA Delayed radio emission from tidal disruption, VLA/12A-005 , 3.5 hours	2012
Selection of Conferences and Workshops	GMRT High-redshift radio quasars at low frequencies, GMRT 21_013 , 24 hours	2012
	Invited Speaker, Jerusalem Tidal Disruption Events Workshop , Jerusalem	2015
	Contr. talk, Third Mid-Atlantic Radio Loud AGN Meeting , Baltimore (MD)	2015
	Contr. talk, Black Holes in Dense Stellar Clusters , Aspen (CO)	2015
	Contr. talk, Gaia Science Alerts workshop , Poland	2014
	Invited speaker, High Energy Tidal Disruption Events , Italy	2013
	Contr. talk, Gaia Alerts Workshop , France	2013
	Contr. talk, Lorentz Center Workshop: Locating Astrophysical Transients , NL	2013
	Contr. talk, The Modern Radio Universe , Germany	2013
	Contr. talk, LOFAR Collaboration Science Workshop , NL	2013
	Invited speaker, Blaauw Symposium for Roger Blandford , NL	2012
	Contr. talk, 16th Astroparticle Symposium , NL	2012
	Contr. talk, Tidal Disruption Events and AGN workshop , Spain	2012
	Proceedings: <i>The rate of stellar tidal disruption flares from SDSS data</i> , EPJWC	
	Contr. talk, AUGER Analysis meeting , Czech Republic	2010
	Participant, 13th Synthesis Imaging Workshop (“VLA summer school”), USA	2012
	Contr. talk, New Horizons in Time Domain Astronomy (IAU 285) , UK	2011
	Proceedings: <i>Stellar tidal disruption flares found in SDSS</i> , Proceedings of the IAU	
	Contr. talk & poster, Understanding Relativistic Jets , Poland	2011
	Contr. talk, AUGER Collaboration meeting , Argentina	2010
	Poster, A New Golden Age for Radio Astronomy , NL	2010
	Proceedings: <i>Prospects for detecting stellar tidal disruptions with LOFAR</i> , POS	

Department Colloquia and Seminars	Oxford, Caltech, JHU, UMD, GWU, STScI	2014-15
	Goddard Space Flight Center (NASA), Naval Research Laboratory	2013
	JHU, NRAO, Harvard CfA, UCLA, Caltech, UCSB, Berkeley	2013
	NYU, NCRA-TIFR (Pune, India)	2012
	University of Amsterdam, NYU, Berkeley, Caltech, Columbia University	2010-11
Outreach	Talks (45 min) for large audience of high-school students (University open day)	2012
	Popular Article <i>Black holes and cosmic rays</i> , appeared in <i>Universum</i>	2011
	Press release <i>Astrophysicists Find Evidence for Black Holes' Destruction of Stars</i> picked-up news outlets in <i>The Netherlands</i> , <i>Abu Dhabi</i> , and <i>blogs</i> .	2011
	Co-organizer <i>Dutch Astrophysics Olympiad</i>	2011
	Talk (20 min) at <i>Viva Fysica!</i> , anual outreach event of the University of Amsterdam	2007
	Article, <i>Wanted: Cosmic Designer</i> , printed in the established magazine <i>De Gids</i>	2007
Languages	Programming: Python, IDL, C, CASA, ROOT.	
	Human: Dutch (native), English (fluent), German (basics), French (basics).	