

## Della Valle Massimo

Position: Director

Osservatorio Astronomico di Capodimonte  
Istituto Nazionale di Astrofisica-Napoli

Period covered: 1990-2010



### I Scientific Work

The research activity spans several fields in the observational Astrophysics:

- Supernovae (local and at high redshifts) and measurement of the cosmological parameters; b) Gamma-ray bursts and their afterglows c) Supernova/GRB connection); d) Novae (galactic and extragalactic); e) Distance Scale.

### Curriculum

1976. High School diploma, Brescia.

1983. Laurea in Astronomia, Università di Padova  
(Summa cum Laude). Supervisor: Prof. L. Rosino.

1984. Fellow at the Asiago Astrophysical Observatory

1985. PhD student at the Byurakan Observatory (ex-URSS).  
Supervisor: Prof. Ambartsumian.

1988. PhD in Astronomy Università di Padova. Supervisors:  
Prof. L. Rosino, e M. Capaccioli

1989. Post-Doc at SISSA, Trieste

1990. Fellow at the European Southern Observatory, La Silla, Chile.

1994. Fellow at the European Southern Observatory, Munchen, Germany

1995. Assistant Professor at the Astronomy Dept., Università di Padova.

1999. Associate Astronomer at the Arcetri Astrophysical Observatory

2006. Adjunct Professor at the International Center for Relativistic Astrophysics Network, 65122, Pescara

2007. Director for Research at the Osservatorio Astronomico di Capodimonte, INAF-Napoli

2008. Associate Scientist at the ESO Telescope Division (on leave of INAF-Napoli)

2010. Director of the INAF-Capodimonte Astronomical Observatory

### Sabbatical leaves (longer than 1 month)

1994, 1996, 1997, 1999, 2003, 2005. Visiting Scientist, European Southern Observatory, Garching.

1995, 1997, 2000, 2002, 2004. Visiting Scientist, Space Telescope, Science Institute, Baltimore.

1998, 2001, 2003. Visiting Scientist, European Southern Observatory, Santiago.

2006. Visiting Scientist, Department of Astronomy, Graduate School of Science, University of Tokyo, Japan

2006, 2007. Visiting Scientist, KAVLI Institute, Santa Barbara, California University

2007. Visiting Scientist, Dark Cosmology Center, Niels Bohr Institute, Copenhagen

2007. Visiting Scientist, Queen's University, Belfast, UK

2007. Visiting Scientist, Aspen Center for Physics, USA

### Teaching

1989. Lecturer at the SISSA (Trieste): "The Cosmological Distance Ladder" .

1992. Visiting Professor, Centro de Astrofisica da Universidade do Porto, Portugal: "The Late Stages of the Stellar Evolution" (grad. level).

Assistant Professor for Esercitazioni di Astronomia I (Padova, Astronomy Dept. a.a.1993/94; 1994/95; 1995/96; 1996/97).

Assistant Professor for Laboratorio di Fisica II (Padova Astronomy Dept. a.a. 1995/96).

Assistant Professor for Astrofisica (Padova Astronomy Dept. a.a. 1996/97).  
Professor in charge of Astronomia Generale (Padova Physics Dept. a.a. 1996/97; 1997/98)  
Professor at the Physics Dept. Ferrara University for "Tecniche Osservative in Astronomia" (a.a. 2002/03; 2003/04; 2005/06; 2006/2007; 2007/2008).  
Professor at the Physics Dept. Ferrara University for "Tecniche Osservative in Astronomia" and "Supernovae", PhD course (a.a. 2009/2010)  
Lecturer in about fifteen national and international PhD Schools.

#### *Publications*

Author of about 400 scientific papers, 156 referred articles, 137 GCN and IAU telegrams and 110 contributes to International Conferences.

#### *Outreach*

Author of about 40 popular papers published on *Astronomia*, *Coelum*, *Le Stelle* and national newspapers.

#### **2010 List of Publications**

1. The Afterglows of Swift-era Gamma-ray Bursts. I. Comparing pre-Swift and Swift-era Long/Soft (Type II) GRB Optical Afterglows, Kann et al. 2010, *ApJ*, 720, 1513
2. Nearby Supernova Rates from the Lick Observatory Supernova Search. IV. A Recovery Method for the Delay Time Distribution, Maoz et al. 2010, *astro-ph/1002.3056*
3. Unveiling the origin of X-ray flares in gamma-ray bursts, Chincarini, G. et al. 2010, *MNRAS*, 406, 2113
4. Supernova 2010bh = GRB 100316D, Bufano et al. 2010, *CBET* 2227
5. The afterglow and host galaxy of GRB 090205: evidence of a Ly- $\alpha$  emitter at  $z = 4.65$ , D'Avanzo et al. 2010, *A&A*, 522, 20
6. X-ray variability with WFXT: AGNs, transients and more, Paolillo, M. et al. 2010, *astro-ph/1010.5922*
7. X-ray monitoring of classical novae in the central region of M 31. II. Autumn and winter 2007/2008 and 2008/2009, Henze et al. 2010, *astro-ph/1010.1461*
8. X-ray monitoring of classical novae in the central region of M 31. I. June 2006 - March 2007, Henze et al. 2010, *astro-ph/1009.1644*
9. FSS galaxies in southern hemisphere, Hakobyan et al. 2010, *VizieR On-line Data Catalog*
10. Path to the stars: the evolution of the species in the hunting to the GRBs, Vitali et al. 2010, *SPIE* 7733, 26
11. The Sooner: a Large Robotic Telescope, Chincarini et al. 2010, *astro-ph/1005.1569*
12. Weird and wild supernovae, Della Valle, M. 2010, *MmSAI*, 81, 367
13. Emerging supernova in the afterglow of GRB 100316D, Bufano et al. 2010, *GCN* 10543
14. Optical Telescopes, Della Valle, M & Gilmozzi, R. in *Landolt-Bornstein Vol. 4*, pg. 1