

Paolo Tini Brunozzi
CURRICULUM VITAE

Name : Paolo Tini Brunozzi
Nationality : Italian

Date of Birth : 27 July 1967

Permanent Home Address : Via F. Ciri, 29a,
I-06034 Foligno, Perugia, ITALY.

Education and Qualifications

Sept. 81-July 86 Liceo Classico "F. Frezzi", Foligno,
Perugia, Italy
Diploma (note: 60/60)

Nov 86-May 92 Dept. of Physics, University of Perugia,
Perugia, Italy.
M.Sc. in Physics (note: 110/110 cum laude)
Thesis : ' --
-- at intermediate energy
electron-positron
colliders'
(supervisor Prof. Yogendra N. Srivastava)

Nov 92-October 95 Dept. of Physics, University of Perugia,
Perugia, Italy. Thesis defended on October, 10, 1996 in
Rome.
Ph.D. : 'Large scale structure of the Universe:
testing Dark Matter models against
clusters'
(supervisors Prof. Paolo Maffei, Prof. Stefano Borgani)

June 1996: Oslo
Partecipation to a "concerted action" on cost/effectiveness for the
european research project BIOMED

July - December 1996: CRS4, Cagliari
Working experience on biomedical research: emodynamics in large
vessels

January - March 1997: remotization of the italian infrared telescope, to be placed in Antartide, in
collaboration with ENEA

July 1997 - June 1999: post doc in Scuola Superiore S. Anna, Pisa, on italian artificial heart
project.

March 2000: Research position in ENEA, Palermo, on global climate change issues.

December 2000 --> until now: Teaching Mathematics and Physics in High School in Italy (Liceo)

2001 → until now: collaboration with the Laboratorio di Scienze sperimentali in Foligno, web address: <http://labscienzae.org/index.html>

February 2002 – 2007: participation to the high school Comenius II (socrates) european project

2002 and 2003: examiner for the 185° and 186° courses in the Army Academy of Modena

2005 – Collaboration to the 2005 edition of the Almanacco Barbanera, Editoriale Campi, Foligno.

2010 / 2011 – Coordinator of Mathematics Olympiads, Liceo Scientifico Marconi in Foligno.

2012 / 2013 – Coordinator of Physics Olympiads, Liceo Scientifico Marconi in Foligno.

2013, August: Participation to the 2013 Workshop for Teachers, Estec, Holland.

2013 / 2014, 2014 / 2015 and 2015/2016: Coordinator of Physics Olympiads, Liceo Scientifico Marconi in Foligno.

2013 – 2017 (5 years service). Member of the address board of "Fondazione Cassa di Risparmio di Foligno" equivalent to *Sparkassen-Stiftung Foligno*, or *savings bank foundation Foligno*, a Foundation active in promoting local cultural and economical development.

2014, September 8th – 12th, Udine. Attendance of the "Italian School for Physics teachers SNFI IDIF05, Udine University.

2014, Novembre 23rd – 28th, CERN Geneva, Switzerland: attendance of the "Italian Teachers Programme", with a duration of 40 hours.

2015, September 6th – 11th, CERN Geneva, Switzerland: attendance of the "Italian Teachers Programme 2015" advanced course.

Publications

Conference proceedings

Contribution to PANXIII, held in Perugia. June and July 1993, Proceedings, edited by A. Pascolini.

The Cluster Distribution as a Test for Dark Matter Models, Contributed Talk to "Birth of the Universe and fundamental Physics", Rome, 18–21 May 1994, edited by "Springer Verlag":

Cluster Dipole as a test for Dark Matter models, contributed talk to "III Congresso Nazionale di Cosmologia", Paolo Tini Brunozzi, Grado, October - special issue of *Astrop. letters and Communications* (1995), refereed.

Dark-matter models: the cluster dipole structure, contribution to the International Workshop of Sesto Pusteria, July 1995
-- to be published on Astrophysical Letters and Communications, refereed.

The cluster velocity field, proceedings of the International Workshop on Mapping, Measuring and Modelling the Universe, Palau de Pineda, Valencia (Spain), September 1995, editor P. Coles.

P. Tini Brunozzi et al., 1998, "Analisi della deformazione plastica in corpi volventi", AIMETA 1998, proceedings of Varenna Conference, October 1998.

Chamard P. et al. Misure di gas a effetto serra a Lampedusa: 1992-2000, SIF Congress, Palermo, October 2000.

P. Tini Brunozzi e F. Marengo, A Lidar for water vapour measurement in daytime at Lampedusa, Italy, September 2001, Conference in honour of Prof. G. Fiocco, Rome.

Journals

Two-photons physics capabilities of Kloe at DAFNE, LNF-93/030(Preprint) , (21 June 1993):

Two-photons physics capabilities of Kloe at DAFNE, Nuovo Cimento 107 A (1994)

P. Tini Brunozzi, S. Borgani, M. Plionis, L. Moscardini, P. Coles, "The Cluster distribution as a test of Dark Matter Models. II: The Dipole Structure". Mon. Not. of the Royal Astronomical Society (1995), 277, 1210.

L. Moscardini, E. Branchini, P. Tini Brunozzi, S. Borgani, M. Plionis P. Coles "The Cluster distribution as a test of Dark Matter Models. III: The Cluster Velocity Field", MNRAS 282, 384 (1996). Preprint ASTRO -- PH/9511066

"Different possibilities for water vapour measurement by lidar in daytime at ENEA's observatory in Lampedusa, Italy: a simulation", J. Opt. A: Pure Appl. Opt. 4 (2002) 408-418.

P. Tini Brunozzi and F. Marengo, "A lidar for water vapour measurements in daytime at Lampedusa, Italy." Annals of Geophysics 46, 459-465, 2003. [PDF]

Relevant Conferences and Schools attended

PAN XIII, Perugia, July 1993 [scientific secretary]

Scuola Nazionale di fisica teorica III, Parma, 30/08--10/09 1993

1994 May - International Conference 'Birth of the Universe' (Rome, Italy) [contributed talk]

International School of Astrophysics "D. Chalonge" : "Current topics in Astrodynamical Physics: the early Universe", Director N. Sanchez,

Erice--Sicily 4--16 September 1994

Third national Cosmology congress, Grado--Trieste, October 25--27 1995
[contributed talk]

International Workshop: "From galaxies to galaxy clusters", Sesto
val Pusteria, Bolzano (Italy), July 1995 [poster]

"International School of Physics Enrico Fermi", Course CXXXII: Dark
Matter in the Universe, Varenna 1995, org.: S. Bonometto, J. Primack, A.
Provenzale

"Scuola Nazionale di Astrofisica", Course II, 95--96: Cosmologia --
Astronomia Infrarossa, Asiago 1995, Directors: S. Bonometto, A. Natta