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Curriculum

2001 Phd in Astromomy Università degli studi di Roma “La Sapienza”,

1993 Phisics degree *cum laude*, Università degli studi dell’Aquila

Scientific career:

2006 – Researcher, Physics Dept, Univ. di Roma “Tor Vergata”

07/2004–10/2004 Visiting scientist - National Energy Research Scientific Computing Group - Lawrence Berkeley National Laboratory;

2001–2006 grant in “CMB anisotropies and data analisys” Università degli studi di Roma “Tor Vergata” - Tor Vergata Cosmology Group

03/1998–12/1998 Visiting student - Center for Particle Astrophysics e Astronomy Department, - University of California - Berkeley (USA);

07/1995–07/1996 CNR Grant - “Astronomy and Astrophysics”.

Teaching activities:

From A.A 2006-2007: Teaching assistant - Laboratorio di Informatica 2,
Phys. Dept, Univ di Roma “Tor Vergata”

From A.A. 2010-2011: Teaching assistant - “Relativity and Cosmology” I and II,
Phys. Dept, Univ di Roma “Tor Vergata”

A.A. 2009-2010: Teaching assistant - “General physics” Pharmacy, Univ di Roma “Tor Vergata”
Teacher of “Laboratorio di Programmazione Strutturata” - Scienze e Tecnologie dei Media dept.,
Univ di Roma “Tor Vergata”

A.A. 2005-2006 - A.A 2008-2009: Teacher of “Laboratorio di calcolo per Fisica dell’atmosfera”
Phys. Dept, Univ di Roma “Tor Vergata”

Scientific interests:

Theory:

Cosmology;
Cosmic Microwave Radiation;
Large Scale Structure.
Compact topology Universes

Data Analysis:

Cosmic Structures analysis
Cosmic Microwave Background Temperature and Polarisation
Balloon and Satellite-borne experiments data analysis
Data analysis pipeline for large data sets
Statistical methods
Noise estimation
Map-making of CMB experiments;
CMB Power spectra estimation
Systematic effects

Current and past Memberships

PLANCK/LFI consortium:
PLANCK Scientist;
LFI Associate;
LFI Scientific Support;
Planck CTP Working Group.
BOOMERanG/B2K3