Publications in Refereed Journals as a contributing author


Publications in Refereed Journals as Collaboration Effort


13. IceCube collaboration, First Search for Atmospheric and Extraterrestrial Neutrino-Induced Cascades with the IceCube Detector, accepted for publication in Phys. Rev. D (2011).


27. IceCube collaboration, Limits on a muon flux from neutralino annihilations in the Sun with the IceCube 22-string detector, Phys. Rev. Lett. 102 201302 (2009); astro-ph.CO/09022460.


33. IceCube collaboration, Multiyear search for a diffuse flux of muon neutrinos with AMANDA-II, Phys. Rev. D 76 042008; erratum ibid 77 089904 (E); astro-ph/07051315.


42. IceCube collaboration, Limits on the muon flux from neutralino annihilations at the center of the Earth with AMANDA, Astropart. Phys. 26 129-139 (2006).


57. AMANDA collaboration, Limits to the muon flux from WIMP annihilation in the center of the Earth with the AMANDA detector, Phys. Rev. D 66 032006 (2002); astro-ph/0202370.


61. LVD collaboration, Neutrino-induced and atmospheric single muon fluxes measured over five decades of intensity by LVD at Gran Sasso Laboratory, Astropart. Phys. 3 311-320
Invited Talks / Posters

1. Seasonal variations of high energy cosmic ray muons observed by the IceCube Observatory as a probe of kaon/pion ratio (P. Desiati, T. Kuwabara, T.K. Gaisser, S. Tilav and D. Rocco), poster at the 32nd International Cosmic Ray Conference 2011 (ICRC 2011), Beijing, China.

2. Magnetic reconnection as the cause of cosmic ray excess from the heliospheric tail (P. Desiati and A. Lazarian), presentation at the 32nd International Cosmic Ray Conference 2011 (ICRC 2011), Beijing, China.

3. Galactic cosmic ray anisotropy with IceCube (P. Desiati), presentation at the International Workshop on Cosmic Rays and Cosmic Neutrinos 2011 (NuSky 2011), ICTP Trieste, Italy.

4. Particle acceleration in reconnection regions and cosmic ray excess from the heliotorail (P. Desiati and A. Lazarian), presentation at the Midwest Magnetic Fields Workshop 2011, Madison, WI.

5. Particle acceleration in reconnection regions – The case of cosmic ray excess from the heliotorail (P. Desiati and A. Lazarian), presentation at the General Assembly of the European Geosciences Union 2011, Vienna, Austria.

6. Magnetic reconnection as the cause of cosmic ray excess from the heliospheric tail (P. Desiati and A. Lazarian), presentation at the American Geophysical Union Fall Meeting 2010, San Francisco, CA, U.S.A.

7. IceCube Observatory and Cosmic Ray Anisotropy (P. Desiati), presentation at the Anisotropy Workshop at the Center for Cosmology and Astro Particle Physics, the Ohio State University (2010)


Invited Lectures, Seminars and Colloquia

1. Galactic cosmic ray anisotropy and speculations on their origin (L’anisotropia dei raggi cosmici galattici e speculazioni sulla loro origine), Seminar at the Department of Physics at the University of Rome Tor Vergata, June 14th 2011.

2. On the astrophysics of galactic cosmic ray anisotropy, Colloquium at the School of Physics & Center for Relativistic Astrophysics, Georgia Institute of Technology, Atlanta, GA, February 7th 2011.

3. The origin of galactic cosmic ray anisotropy, Seminar at the Department of Physics and Astronomy at the University of Delaware, Newark, DE, October 26th 2010.

4. Galactic Cosmic Ray anisotropy: origin, implications and the role of IceCube, NPAC Seminar (Nuclear, Particle, Astro, Cosmo Forum), Department of Physics, University of Wisconsin – Madison, November 12th (2009).

5. Rivelazione dei neutrini al Polo Sud, Outreach seminar in a Florence High School, Florence, Italy (2007)


7. Neutrino Astronomy at the South Pole – Latest Results from AMANDA and the IceCube Era, Seminar at the Physics Department of Università degli Studi di Roma la Sapienza, Rome, Italy (2005).

8. Astronomia di Neutrini al Polo Sud tra AMANDA e IceCube, Seminar at the Physics Department of Università degli Studi di Firenze, Firenze, Italy (2003).