

List of publications*

Samvel V. Ter-Antonyan

January 11, 2011

- 125.** A.R. Fazely, R.M. Gunasingha., R.L. Imlay, K.D. Muhammad, S.V. Ter-Antonyan, and X. Xu, *Search capability for $\eta \rightarrow \nu_{e,\tau}, \bar{\nu}_{e,\tau}$ decays in cubic-kilometer neutrino detectors*, Phys. Rev. **D 81**, iss 11, 117101 (2010)/ arXiv:0902.3451 [hep-ex].
- 124.** Romen M. Martirosov, Samvel V. Ter-Antonyan, Anatoly D. Erlykin et al., *Galactic diffuse gamma-ray flux at the energy about 175 TeV*, arXiv:0905.3593 [astro-ph] (2009)/Proceedings of 31-st International Cosmic Ray Conference, Lodz, Poland (2009)/
- 123.** R.M. Martirosov , A.P. Garyaka, S.V. Ter-Antonyan, A.D. Erlykin et al., *Does the GAMMA experiment detect the polar cap component at energies 70-80 PeV?*, Nuclear Physics B **196** (2009) 173.
- 122.** A.R. Fazely, R.M. Gunasingha, S.V. Ter-Antonyan, *Cosmic Ray Proton Background Could Explain ATIC Electron Excess*, Preprint, arXiv:0904.2371 [astro-ph.HE].
- 121.** A.P. Garyaka, R.M. Martirosov, S.V. Ter-Antonyan, A.D. Erlykin et al., *Primary cosmic ray energy spectrum in terms of the GAMMA muon data*, Nuclear Physics B, ISSN: 09205632, **196** (2009) 387-390/ Proceedings of the XV International Symposium on Very High Energy Cosmic Ray Interactions (ISVHECRI 2008)/
- 120.** A.P. Garyaka, R.M. Martirosov, S.V. Ter-Antonyan et al., *All-particle primary energy spectrum in the 3-200 PeV energy range*, Journal of Physics G: Nuclear and Particle Physics, **35** (2008) 115201/ arXiv:0808.1421 [astro-ph] (2008).
- 119.** R.M. Martirosov, S.V. Ter-Antonyan et al., *Energy spectra and elemental composition of primary nuclei in the knee region: Recent results from the GAMMA experiment.*, Nuclear Physics **B** 175-176 (2008) 311.
- 118.** L.W. Jones, Y.A. Gallant, A.P. Garyaka, R.M. Martirosov, S.V. Ter-Antonyan et al., *Future Plans for the GAMMA Array on Mt. Aragats*. Nuclear Physics B, 175-176 (2008) 315.
- 117.** S.V. Ter-Antonyan, *Mutually compensative pseudo solutions of primary energy spectra in the knee region*. Astropart. Phys. **28** (2007) 321 / (arXiv:0706.4087v1 [astro-ph], 2007).
- 116.** A.P. Garyaka, R.M. Martirosov, S.V. Ter-Antonyan et al., *Rigidity dependent cosmic ray energy spectra in the knee region obtained with the GAMMA experiment*. Astropart. Phys. **28**, (2007) p.169 / (arXiv:0704.3200v1 [astro-ph], 2007).
- 115.** The IceCube Collaboration, *Contributions to The 10th Intern. Conf. on Topics in Astropart. and Underground Physics*. (TAUP) 2007, Sendai, Japan, Sep. 11-15, arXiv: 0712.3524v1 [astro-ph] (2007).
- 114.** R.M. Martirosov, A.P. Garyaka, S.V. Ter-Antonyan et al., *Evidence for a bump in the primary cosmic ray energy spectrum at 3-200 PeV*. Proc. 30th ICRC, Merida, Yucatan, HE 1.2.A, 515 (2007).

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- 113.** S.V. Ter-Antonyan, Y.A. Gallant et al., *Primary composition and energy spectra obtained with the GAMMA facility*. Proc. 29th ICRC, Pune, **6** (2005), 101 (arm-ter-antonyan-S-abs1-he12-oral).
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- 109.** S.V. Ter-Antonyan, R.M. Martirosov et al., *Primary Energy Spectra and Elemental Composition: GAMMA Experiment*. astro-ph/0506588 v.1 (2005).
- 108.** Samvel Ter-Antonyan and Peter Biermann, *Primary Cosmic Ray Spectra in the Knee Region*. Proceedings 28th ICRC, Tsukuba, Japan, p.235, (2003).
- 107.** S.V. Ter-Antonyan, *About EAS inverse approach*. 28th ICRC, Tsukuba HE2 (2003) 239 (arXiv:astro-ph/0303658).
- 106.** Peter L. Biermann, Sergej Moiseenko, Samvel Ter-Antonyan, & Ana Vasile, *Cosmic Ray from PeV to Zev, Stellar Evolution, Supernova Physics and Gamma Ray Bursts*. Preprint, 2003, arXiv:astro-ph/0302201.
- 105.** Ter-Antonyan S.V. and Biermann P.L., *Test of primary model predictions by EAS size spectra*. Proceedings of 27-th ICRC, 2001, Hamburg, HE054, p.1051-1054./ Preprint, 2001, arXiv:astro-ph/0106091.
- 104.** Ter-Antonyan S.V. and Biermann P.L., *Flux of upward high-energy muons at multi-component primary energy spectrum*. Proceedings of 27-th ICRC, 2001, Hamburg, HE225, p.1051-1054. / Preprint, 2001, arXiv:hep-ph/0106076.
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