ASTRONOMICAL INSTRUMENTATION PUBLICATIONS

IACOPO MOCHI

Inverse chronological order

[1] Oliva, E. et al. "A GIANO-TNG high-resolution infrared spectrum of the airglow emission". In: *Astronomy & Astrophysics* 555 (2013), A78. DOI: 10.1051/0004-6361/201321366. URL: http://dx.doi.org/10.1051/0004-6361/201321366.

[2] E. Oliva et al. "High-resolution IR airglow spectrum (Oliva+, 2013)". In: *VizieR Online Data Catalog* 355 (June 2013), p. 59078.

[3] L Origlia, E Oliva, R Maiolino, A Mucciarelli, C Baffa, V Biliotti, P Bruno, G Falcini, V Gavriousev, F Ghinassi, I Mochi, et al. "GIANO-TNG spectroscopy of red supergiants in the young star cluster RSGC2". In: *arXiv preprint arXiv:1311.1639* (2013).

[4] E. Oliva et al. "The GIANO spectrometer: towards its first light at the TNG". In: *Proc. SPIE 8446, Ground-based and Airborne Instrumentation for Astronomy IV*. 2012. DOI: 10.1117/12.925274. URL: http://dx.doi.org/10.1117/12.925274.

[5] I. Mochi, S. Gennari, E. Oliva, C. Baffa, V. Biliotti, G. Falcini, E. Giani, G. Marcucci, M. Sozzi, L. Origlia, E. Rossetti, and M. Gonzalez. "High-precision CTE measurement of aluminum-alloys for cryogenic astronomical instrumentation". English. In: *Experimental Astronomy* 27.1-2 (2009), pp. 1–7. ISSN: 0922-6435. DOI: 10.1007/s10686-009-9172-7. URL: http://dx.doi.org/10.1007/s10686-009-9172-7.

[6] Francesco D'Amato, Silvia Viciani, Ernesto Oliva, Livia Origlia, and Iacopo Mochi. "Characterization of the HCl-HBr-HI gas absorption cell for GIANO-TNG". In: *Proc. SPIE 7014, Ground-based and Airborne Instrumentation for Astronomy II*. 2008. DOI: 10.1117/12.788231. URL: http://dx.doi.org/10.1117/12.788231.

[7] I. Mochi, E. Oliva, L. Origlia, C. Baffa, V. Biliotti, G. Falcini, E. Giani, M. Gonzalez, E. Rossetti, M. Sozzi, M. Liffredo, G. Roveta, and L. Roccia. "Performances of the cryogenic system of GIANO-TNG". In: *Proc. SPIE 7014, Ground-based and Airborne Instrumentation for Astronomy II*. 2008. DOI: 10.1117/12.788241. URL: http://dx.doi.org/10.1117/12.788241.

[8] I. Mochi, E. Oliva, and L. Vanzi. "Alignment of the three-mirror anastigmat of the GIANO-TNG high resolution infrared spectrometer". In: *Proc. SPIE 7018, Advanced Optical and Mechanical Technologies in Telescopes and Instrumentation*. 2008. DOI: 10.1117/12.788236. URL: http://dx.doi.org/10.1117/12.788236.

Date: May 13, 2014.

[9] Maurizio Vannoni, Iacopo Mochi, Monica Olivieri, Giuseppe Mondello, and Giuseppe Molesini. "Measuring the refractive index of vitreous materials at cryogenic temperatures with a spectrometer". In: *Measurement Science and Technology* 19.8 (2008), p. 085304. URL: http://stacks.iop.org/0957-0233/19/i=8/a=085304.

[10] Carlo Baffa, Valdemaro Biliotti, Sandro Gennari, Elisabetta Giani, Iacopo Mochi, Ernesto Oliva, Livia Origlia, Emanuel Rossetti, and Mauro Sozzi. "The versatile acquisition system of Giano". In: *Proc. SPIE 6274, Advanced Software and Control for Astronomy*. Vol. 6274. 2006. DOI: 10.1117/12.671114. URL: http://dx.doi.org/10.1117/12.671114.

[11] P. Bruno, F. Leone, E. Oliva, S. Gennari, I. Mochi, and L. Origlia. "The preslit system of GIANO-TNG". In: *Proc. SPIE 6269, Ground-based and Airborne Instrumentation for Astronomy*. Vol. 6269. 2006. DOI: 10.1117/12.670365. URL: http://dx.doi.org/10.1117/12.670365.

[12] S. Gennari, I. Mochi, S. L. Donati, E. Oliva, L. Origlia, and P. Sandri. "The spectrometer optics of GIANO-TNG". In: *Proc. SPIE 6269, Ground-based and Airborne Instrumentation for Astronomy*. Vol. 6269. 2006. DOI: 10.1117/12.670261. URL: http://dx.doi.org/10.1117/12.670261.

[13] Iacopo Mochi, Carlo Baffa, Simone L. Donati, Gilberto Falcini, Sandro Gennari, Ernesto Oliva, Livia Origlia, and Raffaele Tomelleri. "Alignment-invariant mirror holder for cryogenic environment and its application to GIANO-TNG". In: *Proc. SPIE 6273, Optomechanical Technologies for Astronomy*. Vol. 6273. 2006. DOI: 10.1117/12.670467. URL: http://dx.doi.org/10.1117/12.670467.

[14] E. Oliva et al. "The GIANO-TNG spectrometer". In: *Proc. SPIE 6269, Ground-based and Airborne Instrumentation for Astronomy*. 2006, p. 626919. DOI: 10.1117/12.670006. URL: http://dx.doi.org/10.1117/12.670006.