

a) Pubblicazioni su Riviste Internazionali

- [J1] S. Lombardi, O. Catalano, S. Scuderi, L. A. Antonelli, G. Pareschi, E. Antolini, L. Arrabito, G. Bellasai, K. Bernlöehr, C. Bigongiari, B. Biondo, G. Bonanno, G. Bonnoli, G. M. Böttcher, J. Bregeon, P. Bruno, R. Canestrari, M. Capalbi, P. Caraveo, P. Conconi, V. Conforti, G. Contino, G. Cusumano, A. Distefano, C. Fermino, M. Fiorini, S. Gallozzi, C. Gargano, S. Garozzo, F. Gianotti, S. Giarrusso, R. Gimenes, E. Giro, M. de Gouveia Dal Pino, A. Grillo, D. Impiombato, N. La Palombara, V. La Parola, G. La Rosa, G. Leto, F. Lucarelli, M. C. Maccarone, D. Marano, E. Martinetti, A. Micciché, R. Millul, T. Mineo, G. Nicotra, I. Pagano, M. Perri, G. Romeo, F. Russo, B. Sacco, P. Sangiorgi, F. G. Saturni, A. Segreto, G. Sironi, G. Sottile, A. Stamerra, L. Stringhetti, G. Tagliaferri, M. Tavani, V. Testa, M. C. Timpanaro, G. Tosti, M. Trifoglio, G. Umana, S. Vercellone, R. Zanmar Sanchez Castelan, C. Arcaro, A. Bulgarelli, M. Cardillo, E. Cascone, A. Costa, A. D’Ai, F. D’Ammando, M. Del Santo, V. Fioretti, A. Lamastra, S. Mereghetti, F. Pintore, G. Rodeghiero, P. Romano, J. Schwarz, E. Sciacca, F. R. Vitello, and A. Wolter, “First Detection of the Crab Nebula at TeV Energies with a Cherenkov Telescope in Dual-Mirror Schwarzschild-Couder: The ASTRI-Horn Telescope”, *Astronomy & Astrophysics*, vol. 634, no. A22, pp. 1-6, February 2020.
- [J2] P. Sangiorgi, M. Capalbi, O. Catalano, S. Giarrusso, R. Gimenes, D. Impiombato, G. La Rosa, F. Russo, A. Segreto, G. Sottile, A. Grillo, G. Bonanno, D. Marano, S. Garozzo, G. Romeo, V. Conforti, F. Gianotti, M. Trifoglio, for the CTA ASTRI Project, “The ASTRI Camera Control Software of the ASTRI SST-2M Prototype for the Cherenkov Telescope Array”, *Nuclear and Particle Physics Proceedings*, vol. 306-308, pp. 28-36, October 2019.
- [J3] F. Riggi, V. Antonuccio, M. Bandieramonte, U. Becciani, G. Bonanno, D. L. Bonanno, D. Bongiovanni, P. G. Fallica, G. Gallo, S. Garozzo, A. Grillo, P. La Rocca, E. Leonora, F. Longhitano, D. Lo Presti, D. Marano, N. Randazzo, O. Parasole, C. Petta, S. Riggi, G. Romeo, M. Romeo, G. V. Russo, G. Santagati, M. C. Timpanaro, G. Valvo, “The Muon Portal Project: Commissioning of the Full Detector and First Results”, *Nuclear Instruments and Methods in Physics Research A*, vol. 912, pp. 16-19, December 2018.
- [J4] A. D. Grasso, D. Marano, S. Pennisi, G. Palumbo, “High-Performance Three-Stage Single-Miller CMOS OTA with no Upper Limit of CL”, *IEEE Transactions on Circuits and Systems II – Express Briefs*, vol.65, no. 11, pp. 1529-1533, October 2018.
- [J5] D. Impiombato, O. Catalano, S. Giarrusso, T. Mineo, G. La Rosa, C. Gargano, P. Sangiorgi, A. Segreto, G. Sottile, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, G. Romeo, R. Gimenes, “Procedures for the Relative Calibration of the SiPM Gain on ASTRI SST-2M Camera”, *Experimental Astronomy*, vol. 43, no.1, pp. 1-17, February 2017.
- [J6] V. Antonuccio, M. Bandieramonte, U. Becciani, D. L. Bonanno, G. Bonanno, D. Bongiovanni, P. G. Fallica, S. Garozzo, A. Grillo, P. La Rocca, E. Leonora, F. Longhitano, D. Lo Presti, D. Marano, O. Parasole, C. Pugliatti, N. Randazzo, F. Riggi, S. Riggi, G. Romeo, M. Romeo, G. V. Russo, G. Santagati, M. C. Timpanaro, G. Valvo, “The Muon Portal Project: Design and Construction of a Scanning Portal Based on Muon Tomography”, *Nuclear Instruments and Methods in Physics Research A*, vol. 845, pp. 322-325, February 2017.
- [J7] S. Garozzo, D. Marano, G. Bonanno, A. Grillo, G. Romeo, M. C. Timpanaro, D. Lo Presti, F. Riggi, V. Russo, D. Bonanno, P. La Rocca, F. Longhitano, D. G. Bongiovanni, G. Fallica, G. Valvo, “Front-End Electronics for the Muon Portal Project”, *Nuclear Instruments and Methods in Physics Research A*, vol. 833, pp. 169-180, October 2016.
- [J8] D. Marano, A. D. Grasso, G. Palumbo, S. Pennisi, “Optimized Active Single-Miller Capacitor Compensation with Inner Half-Feedforward Stage for Very High-Load Three-Stage OTAs”, *IEEE Transactions on Circuits and Systems I*, vol. 63, no. 9, pp. 1349-1359, September 2016.
- [J9] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. Munari, M. C. Timpanaro, O. Catalano, S. Giarrusso, D. Impiombato, G. La Rosa, G. Sottile, “Characterization of a 6×6-mm² 75-μm cell MPPC Suitable for the Cherenkov Telescope Array Project”, *Nuclear Instruments and Methods in Physics Research A*, vol. 826 pp. 31-38, August 2016.
- [J10] D. Marano, G. Bonanno, S. Garozzo, A. Grillo, G. Romeo, “A New Simple and Effective Procedure for SiPM Electrical Parameter Extraction”, *IEEE Sensors Journal*, vol. 16, no. 10, pp. 3620-3626, May 2016.

- [J11] D. Marano, G. Bonanno, S. Garozzo, A. Grillo, G. Romeo, “New Improved Model and Accurate Analytical Response of SiPMs Coupled to Read-Out Electronics”, *IEEE Sensors Journal*, vol. 16, no. 1, pp. 19-21, January 2016.
- [J12] G. Bonanno, D. Marano, G. Romeo, S. Garozzo, A. Grillo, M. C. Timpanaro, O. Catalano, S. Giarrusso, D. Impiombato, G. La Rosa, G. Sottile, “Advances in Multi-Pixel Photon Counter Technology: First Characterization Results”, *Nuclear Instruments and Methods in Physics Research A*, vol. 806, pp. 383-394, January 2016.
- [J13] A. D. Grasso, D. Marano, S. Pennisi, G. Vazzana, “Symbolic Factorization Methodology for Multistage Amplifier Transfer Functions”, *International Journal of Circuit Theory and Applications*, vol. 44, no. 1, pp. 38-59, January 2016.
- [J14] C. Pugliatti, V. Antonuccio, M. Bandieramonte, U. Becciani, F. Belluomo, A. Blancato, G. Bonanno, A. Costa, P. G. Fallica, S. Garozzo, A. Grillo, V. Indelicato, P. La Rocca, E. Leonora, F. Longhitano, S. Longo, D. Lo Presti, D. Marano, P. Massimino, C. Petta, C. Pistagna, M. Puglisi, N. Randazzo, F. Riggi, S. Riggi, G. Romeo, G. V. Russo, G. Santagati, M.C. Timpanaro, G. Valvo, F. Vitello, A. Zaia, “The Muon Portal Double Tracker for the Inspection of Travelling Containers”, *IEEE Transactions on Nuclear Science*, vol. 62, no. 6, pp. 3148-3154, December 2015.
- [J15] D. Impiombato, S. Giarrusso, T. Mineo, O. Catalano, C. Gargano, G. La Rosa, F. Russo, G. Sottile, S. Billotta, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, G. Romeo, “Characterization and Performance of the ASIC (CITIROC) Front-End of the ASTRI Camera”, *Nuclear Instruments and Methods in Physics Research A*, vol. 794, pp. 185-192, September 2015.
- [J16] P. La Rocca, S. Billotta, A. A. Blancato, D. Bonanno, G. Bonanno, G. Fallica, S. Garozzo, D. Lo Presti, D. Marano, C. Pugliatti, F. Riggi, G. Romeo, G. Santagati, G. Valvo, “Fabrication, Characterization and Testing of Silicon Photomultipliers for the Muon Portal Project”, *Nuclear Instruments and Methods in Physics Research A*, vol. 787, pp. 236-239, July 2015.
- [J17] A. D. Grasso, D. Marano, G. Palumbo, S. Pennisi, “Design Methodology of Subthreshold Three-Stage CMOS OTAs Suitable for Ultra-Low-Power Low-Area and High Driving Capability”, *IEEE Transactions on Circuits and Systems I*, vol. 62, no. 6, pp. 1453-1462, June 2015.
- [J18] D. Marano, M. Belluso, G. Bonanno, S. Billotta, A. Grillo, S. Garozzo, G. Romeo, O. Catalano, G. La Rosa, G. Sottile, D. Impiombato, S. Giarrusso, “Electro-Optical Characterization of MPPC Detectors for the ASTRI Cherenkov Telescope Camera”, *Nuclear Instruments and Methods in Physics Research A*, vol. 768, pp. 32-42, December 2014.
- [J19] D. Marano, G. Bonanno, S. Billotta, M. Belluso, A. Grillo, S. Garozzo, G. Romeo, O. Catalano, G. La Rosa, G. Sottile, D. Impiombato, “PSPICE High-Level Model and Simulations of the EASIROC Analog Front-End”, *International Journal of Modelling and Simulations*, vol. 34, no. 4, pp. 175-186, October 2014.
- [J20] G. Bonanno, D. Marano, M. Belluso, S. Billotta, A. Grillo, S. Garozzo, G. Romeo, M. C. Timpanaro, “Characterization Measurements Methodology and Instrumental Set-up Optimization for New SiPM Detectors - Part II: Optical Tests”, *IEEE Sensors Journal*, vol. 14, no. 10, pp. 3567-3578, October 2014.
- [J21] G. Bonanno, D. Marano, M. Belluso, S. Billotta, A. Grillo, S. Garozzo, G. Romeo, M. C. Timpanaro, “Characterization Measurements Methodology and Instrumental Set-up Optimization for New SiPM Detectors - Part I: Electrical Tests”, *IEEE Sensors Journal*, vol. 14, no. 10, pp. 3557-3566, October 2014.
- [J22] D. Marano, M. Belluso, G. Bonanno, S. Billotta, A. Grillo, S. Garozzo, G. Romeo, O. Catalano, G. La Rosa, G. Sottile, D. Impiombato, S. Giarrusso, “CITIROC High-Level Analog Front-End Model Implementation and Simulations”, *International Journal of Circuits, Systems and Signal Processing*, vol. 8, pp. 274-285, June 2014.
- [J23] D. Marano, M. Belluso, G. Bonanno, S. Billotta, A. Grillo, S. Garozzo, G. Romeo, “Accurate Analytical Single-Photoelectron Response of Silicon Photomultipliers”, *IEEE Sensors Journal*, vol. 14, no. 8, pp. 2749-2754, August 2014.
- [J24] A. D. Grasso, D. Marano, F. Esparza-Alfaro, A. Lopez-Martin, G. Palumbo, S. Pennisi, “Self-Biased Dual-Path Push-Pull Output Buffer Amplifier for LCD Column Drivers”, *IEEE Transactions on Circuits and Systems I*, vol. 61, no. 3, pp. 663-670, March 2014.
- [J25] D. Impiombato, S. Giarrusso, T. Mineo, G. Agnetta, B. Biondo, O. Catalano, C. Gargano, G. La Rosa, F. Russo, G. Sottile, M. Belluso, S. Billotta, G. Bonanno, S. Garozzo, D. Marano, G. Romeo, “Evaluation of the

Optical Cross-Talk Level in the SiPMs Adopted in ASTRI-SST-2M Cherenkov Camera Using EASIROC Front-End Electronics”, *Journal of Instrumentation*, vol. 9, C02015, February 2014.

- [J26] D. Marano, M. Belluso, G. Bonanno, S. Billotta, A. Grillo, S. Garozzo, G. Romeo, O. Catalano, G. La Rosa, G. Sottile, D. Impiombato, S. Giarrusso, “Silicon Photomultipliers Electrical Model Extensive Analytical Analysis”, *IEEE Transactions on Nuclear Science*, vol. 61, no. 1, pp. 23-34, February 2014.
- [J27] D. Impiombato, S. Giarrusso, T. Mineo, M. Belluso, S. Billotta, G. Bonanno, O. Catalano, A. Grillo, G. La Rosa, D. Marano, G. Sottile, “Characterization of EASIROC as Front-End for the Read-out of the SiPM at the Focal Plane of the Cherenkov Telescope ASTRI”, *Nuclear Instruments and Methods in Physics Research A*, vol. 729, pp. 484-490, November 2013.
- [J28] D. Marano, G. Bonanno, M. Belluso, S. Billotta, A. Grillo, S. Garozzo, G. Romeo, O. Catalano, G. La Rosa, G. Sottile, D. Impiombato, S. Giarrusso, “Improved SPICE Electrical Model of Silicon Photomultipliers”, *Nuclear Instruments and Methods in Physics Research A*, vol. 726, pp. 1-7, October 2013.
- [J29] D. Impiombato, S. Giarrusso, M. Belluso, S. Billotta, G. Bonanno, O. Catalano, A. Grillo, G. La Rosa, D. Marano, T. Mineo, F. Russo, G. Sottile, “Characterization of the Front-End EASIROC for Read-Out of SiPM in the ASTRI Camera”, *Nuclear Physics B – Proceedings Supplements*, vol. 239, pp. 254-257, July 2013.
- [J30] G. Sottile, F. Russo, G. Agnetta, M. Belluso, S. Billotta, B. Biondo, G. Bonanno, O. Catalano, S. Giarrusso, A. Grillo, D. Impiombato, G. La Rosa, M. C. Maccarone, A. Mangano, D. Marano, T. Mineo, A. Segreto, E. Strazzeri, M. C. Timpanaro, “UVSiPM: A Light Detector Instrument Based on a SiPM Sensor Working in Single Photon Counting”, *Nuclear Physics B – Proceedings Supplements*, vol. 239, pp. 258-261, July 2013.
- [J31] D. Marano, G. Palumbo, S. Pennisi, “Low-Power High-Speed Rail-to-Rail LCD Output Buffer with Dual-Path Push-Pull Operation and Quiescent Current Control”, *Analog Integrated Circuits and Signal Processing*, vol. 65, no. 2, pp. 289-298, September 2010.
- [J32] A. D. Grasso, D. Marano, G. Palumbo, S. Pennisi, “Analytical Comparison of Reversed Nested Miller Frequency Compensation Techniques”, *International Journal of Circuit Theory and Applications*, vol. 38, no. 7, pp. 709-737, September 2010.
- [J33] D. Marano, G. Palumbo, S. Pennisi, “A New Compact Low-Power Rail-to-Rail Class-B Buffer for LCD Applications”, *IEEE/OSA Journal of Display Technology*, vol. 6, no. 5, pp. 184-190, May 2010.
- [J34] D. Marano, G. Palumbo, S. Pennisi, “Step-Response Optimization Techniques for Low-Power Three-Stage Operational Amplifiers for High Capacitive Load Applications”, *IET Circuits, Devices and Systems*, vol. 4, no. 2, pp. 87-98, April 2010.
- [J35] D. Marano, G. Palumbo, S. Pennisi, “Improved Low-Power High-Speed Buffer Amplifier with Slew-Rate Enhancement for LCD Applications”, *Journal of Circuits, Systems and Computers*, vol.19, no. 2, pp. 325-334, April 2010.
- [J36] D. Marano, G. Palumbo, S. Pennisi, “Improved Power-Efficient RNMC Technique with Voltage Buffer and Nulling Resistors for Low-Power High-Load Three-Stage Amplifiers”, *Journal of Circuits, Systems and Computers*, vol.18, no. 7, pp. 1321-1331, November 2009.
- [J37] A. D. Grasso, D. Marano, G. Palumbo, S. Pennisi, “Improved Reversed Nested Miller Frequency Compensation Technique with Voltage Buffer and Resistor”, *IEEE Transactions on Circuits and Systems II – Express Briefs*, vol. 54, no. 5, pp. 382-386, May 2007.

b) Pubblicazioni su Atti di Congressi Internazionali

- [C1] R. Canestrari, B. Biondo, G. Bonanno, M. Capalbi, O. Catalano, V. Conforti, C. Gargano, S. Garozzo, F. Gianotti, S. Giarrusso, E. Giro, A. Grillo, D. Impiombato, G. La Rosa, M. C. Maccarone, D. Marano, T. Mineo, G. Pareschi, G. Romeo, F. Russo, P. Sangiorgi, S. Scuderie, A. Segreto, G. Sironi, G. Sottile, for the CTA ASTRI Project, “The Innovative Cherenkov Camera Based on SiPM Sensors of the ASTRI-Horn Telescope: from the T/M and Electrical Design to the Full Assembly and Testing in a Harsh Environment”, *Proceedings SPIE 2019*, vol. 11114, San Diego, USA, July 2019.
- [C2] T. Mineo, M. C. Maccarone, A. Compagnino, M. Capalbi, O. Catalano, G. Contino, S. Garozzo, D. Impiombato, D. Marano, P. Sangiorgi, V. Conforti, for the CTA ASTRI Project, “Muon Calibration of the ASTRI-Horn Telescope - Preliminary Results”, *Proceedings ICRC 2019*, Madison, USA, July 2019.

- [C3] O. Catalano, M. Capalbi, C. Gargano, S. Giarrusso, D. Impiombato, G. La Rosa, M. C. Maccarone, T. Mineo, F. Russo, P. Sangiorgi, A. Segreto, G. Sottile, B. Biondo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, G. Romeo, S. Scuderi, R. Canestrari, P. Conconi, E. Giro, G. Pareschi, G. Sironi, V. Conforti, F. Gianotti, R. Gimenes, “The ASTRI Camera for the Cherenkov Telescope Array”, *Proceedings SPIE 2018*, vol. 10702, Austin, USA, July 2018.
- [C4] A. D. Grasso, S. Pennisi, G. Palumbo, D. Marano, “Three-Stage Single-Miller CMOS OTA Driving 10 nF with 1.46-MHz GBW”, *Proceedings IEEE ICICDT 2018*, pp. 37-40, Otranto, Italy, June, 2018.
- [C5] D. Marano, A. D. Grasso, “Novel Straightforward and Effective Extraction Methodology for SiPM Model Parameters”, *Proceedings IEEE ECCTD 2017*, pp. 1-4, Catania, Italy, September, 2017.
- [C6] D. Marano, A. D. Grasso, G. Palumbo, S. Pennisi, “A 0.003-mm² 50-mW Three-Stage Amplifier Driving 10-nF with 2.7-MHz GBW”, *Proceedings IEEE ICECS 2016*, pp. 728-731, Monte Carlo, Monaco, December, 2016.
- [C7] D. Marano, A. D. Grasso, “Enhanced Analytical Model and Output Dynamic Response of SiPM-Based Electronic Read-Outs”, *Proceedings IEEE ICECS 2016*, pp. 305-308, Monte Carlo, Monaco, December, 2016.
- [C8] G. Sottile, O. Catalano, G. La Rosa, M. Capalbi, C. Gargano, S. Giarrusso, D. Impiombato, F. Russo, P. Sangiorgi, A. Segreto, G. Bonanno, S. Garozzo, D. Marano, G. Romeo, S. Scuderi, L. Stringhetti, R. Canestrari, R. Gimenes, “ASTRI SST-2M Camera Electronics”, *Proceedings SPIE 2016*, vol. 99063D, Edinburgh, UK, June 2016.
- [C9] D. Impiombato, S. Giarrusso, T. Mineo, O. Catalano, C. Gargano, G. La Rosa, F. Russo, P. Sangiorgi, G. Sottile, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, G. Romeo, “Temperature Characterization of the CITIROC Front-End Chip of the ASTRI SST-2M Cherenkov Camera”, *Proceedings SPIE 2016*, vol. 990645, Edinburgh, UK, June 2016.
- [C10] V. Antonuccio, M. Bandieramonte, U. Becciani, D. L. Bonanno, G. Bonanno, D. Bongiovanni, P. G. Fallica, S. Garozzo, A. Grillo, P. La Rocca, E. Leonora, F. Longhitano, D. Lo Presti, D. Marano, O. Parasole, C. Pugliatti, N. Randazzo, F. Riggi, S. Riggi, G. Romeo, M. Romeo, G. V. Russo, G. Santagati, M. C. Timpanaro, G. Valvo, “The Muon Portal Project: Design and Construction of a Scanning Portal Based on Muon Tomography”, *14th Vienna Conference on Instrumentation*, Vienna, Austria, February 2016.
- [C11] A. D. Grasso, D. Marano, G. Palumbo, S. Pennisi, “195-nW 120-dB Subthreshold CMOS OTA Driving Up to 200 pF and Occupying Only 4.4·10⁻³ mm²”, *Proceedings IEEE ICECS 2015*, pp. 65-68, Cairo, Egypt, December 2015.
- [C12] A. D. Grasso, G. Palumbo, S. Pennisi, D. Marano, A. Imbruglia, “Metodologia di progettazione di OTA a tre stadi di guadagno CMOS sottosoglia”, *Convegno annuale AEIT 2015 – Lo sviluppo sostenibile del Mediterraneo*, Napoli, Italy, October 2015.
- [C13] T. Montaruli, *et al.*, for the CTA Consortium and for the SST-1M sub-consortium, Tim Greenshaw, and H. Sol, *et al.*, for the GCT sub-consortium, G. Pareschi, *et al.*, for the ASTRI sub-consortium, “The Small Size Telescope Projects for the Cherenkov Telescope Array”, *Proceedings ICRC 2015 - The Astroparticle Physics Conference*, The Hague, The Netherlands, August 2015.
- [C14] D. Marano, G. Bonanno, S. Garozzo, G. Romeo, A. D. Grasso, G. Palumbo, S. Pennisi, “A New Enhanced PSPICE Implementation of the Equivalent Circuit Model of SiPM Detectors”, *Proceedings IEEE NEWCAS 2015*, pp. 1-4, Grenoble, France, June 2015.
- [C15] F. Riggi, M. Bandieramonte, S. Billotta, A. A. Blancato, D. L. Bonanno, G. Bonanno, P. G. Fallica, S. Garozzo, P. La Rocca, F. Longhitano, D. Lo Presti, D. Marano, O. Parasole, C. Pugliatti, S. Riggi, G. Romeo, M. Romeo, G. Santagati, G. V. Russo, “Construction and Characterization of the Detection Modules for the Muon Portal Project”, *Proceedings ANIMMA 2015*, Lisbon, Portugal, April 2015.
- [C16] D. Marano, G. Bonanno, M. Belluso, S. Billotta, A. Grillo, S. Garozzo, G. Romeo, A. D. Grasso, G. Palumbo, S. Pennisi, “A New Accurate Analytical Expression for the SiPM Transient Response to Single Photons”, *Proceedings IEEE ICECS 2014*, pp. 514-517, Marsiglia, France, December 2014.
- [C17] G. Pareschi, G. Agnetta, E. Antolini, L. A. Antonelli, D. Bastieri, G. Bellasai, C. Bigongiari, S. Billotta, B. Biondo, M. Boettcher, G. Bonanno, G. Bonnoli, P. Bruno, A. Bulgarelli, R. Canestrari, M. Capalbi, G. Capobianco, P. Caraveo, A. Carosi, E. Cascone, O. Catalano, P. Conconi, V. Conforti, G. Cusumano, V. De Caprio, A. De Luca, E. M. de Gouveia Dal Pino, A. Di Paola, F. Di Piero, D. Fantinel, M. Fiorini, D.

- Fugazza, D. Gardiol, C. Gargano, S. Garozzo, F. Gianotti, S. Giarrusso, E. Giro, A. Grillo, D. Impiombato, S. Incorvaia, A. La Barbera, N. La Palombara, V. La Parola, G. La Rosa, L. Lessio, G. Leto, S. Lombardi, F. Lucarelli, M. C. Maccarone, G. Malaspina, D. Marano, E. Martinetti, C. Melioli, R. Millul, T. Mineo, G. Morlino, R. Nemmen, L. Perri, G. Rodeghiero, P. Romano, G. Romeo, F. Russo, B. Sacco, J. Schwarz, A. Segreto, D. Selvestrel, G. Sironi, G. Sottile, A. Stamerra, E. Strazzeri, L. Stringhetti, G. Tagliaferri, C. Tanci, V. Testa, M. C. Timpanaro, G. Toso, G. Tosti, M. Trifoglio, P. Vallania, S. Vercellone, A. Volpicelli, V. Zitelli, and the CTA Consortium, “The ASTRI/CTA Mini-Array of Small-Size Telescopes as a Precursor of the Cherenkov Telescope Array”, *Proceedings of American Astronomical Society – 14th HEAD meeting 2014*, Chicago, USA, August 2014.
- [C18] O. Catalano, M. C. Maccarone, C. Gargano, G. La Rosa, A. Segreto, G. Sottile, V. De Caprio, F. Russo, M. Capalbi, P. Sangiorgi, G. Bonanno, A. Grillo, S. Garozzo, D. Marano, S. Billotta, G. Romeo, L. Stringhetti, M. Fiorini, N. La Palombara, S. Incorvaia, G. Toso, D. Impiombato, S. Giarrusso, “The Camera of the ASTRI SST-2M Prototype for the CTA”, *Proceedings SPIE 2014*, vol. 91470D, Montreal, Canada, July 2014.
- [C19] S. Billotta, D. Marano, G. Bonanno, M. Belluso, A. Grillo, S. Garozzo, G. Romeo, M. C. Timpanaro, M. C. Maccarone, O. Catalano, G. La Rosa, G. Sottile, D. Impiombato, C. Gargano, S. Giarrusso, “SiPM Detectors for the ASTRI Project in the Framework of the Cherenkov Telescope Array”, *Proceedings SPIE 2014*, vol. 91541R, Montreal, Canada, July 2014.
- [C20] P. La Rocca, S. Billotta, A. A. Blancato, D. Bonanno, G. Bonanno, G. Fallica, S. Garozzo, D. Lo Presti, D. Marano, C. Pugliatti, G. Romeo, G. Santagati, G. Valvo, “Fabrication, Characterization and Testing of Silicon Photomultipliers for the Muon Portal Project”, *Proceedings NDIP 2014*, Tours, France, June 2014.
- [C21] D. Impiombato, S. Giarrusso, T. Mineo, G. Agnetta, B. Biondo, O. Catalano, C. Gargano, G. La Rosa, F. Russo, G. Sottile, M. Belluso, S. Billotta, G. Bonanno, S. Garozzo, D. Marano, G. Romeo, “Evaluation of the Optical Cross-Talk Level in the SiPMs Adopted in ASTRI-SST-2M Cherenkov Camera Using EASIROC Front-End Electronics”, *Proceedings IPRD 2013*, Siena, Italy, October 2013.
- [C22] G. Pareschi, G. Agnetta, L. A. Antonelli, D. Bastieri, G. Bellassai, M. Belluso, S. Billotta, B. Biondo, G. Bonanno, G. Bonnoli, P. Bruno, A. Bulgarelli, R. Canestrari, P. Caraveo, A. Carosi, E. Cascone, O. Catalano, M. Cereda, P. Conconi, V. Conforti, G. Cusumano, V. De Caprio, A. De Luca, A. Di Paola, F. Di Pierro, D. Fantinel, M. Fiorini, D. Fugazza, D. Gardiol, M. Ghigo, F. Gianotti, S. Giarrusso, E. Giro, A. Grillo, D. Impiombato, S. Incorvaia, A. La Barbera, N. La Palombara, V. La Parola, G. La Rosa, L. Lessio, G. Leto, S. Lombardi, F. Lucarelli, M. C. Maccarone, G. Malaguti, G. Malaspina, A. Mangano, V. Mangano, D. Marano, E. Martinetti, R. Millul, T. Mineo, A. Mistò, C. Morello, M. R. Panzera, C. Perna, G. Rodeghiero, P. Romano, F. Russo, B. Sacco, N. Sartore, J. Schwarz, A. Segreto, G. Sironi, G. Sottile, E. Strazzeri, L. Stringhetti, G. Tagliaferri, V. Testa, M. C. Timpanaro, G. Toso, G. Tosti, M. Trifoglio, P. Vallania, S. Vercellone, V. Zitelli, and the CTA Collaborations, “The Dual-Mirror Small Size Telescope for the Cherenkov Telescope Array”, *Proceedings ICRC 2013*, Rio De Janeiro, Brazil, July 2013.
- [C23] S. Vercellone, G. Agnetta, L. A. Antonelli, D. Bastieri, G. Bellassai, M. Belluso, C. Bigongiari, S. Billotta, B. Biondo, G. Bonanno, G. Bonnoli, P. Bruno, A. Bulgarelli, R. Canestrari, M. Capalbi, P. Caraveo, A. Carosi, E. Cascone, O. Catalano, M. Cereda, P. Conconi, V. Conforti, G. Cusumano, V. De Caprio, A. De Luca, A. Di Paola, F. Di Pierro, D. Fantinel, M. Fiorini, D. Fugazza, D. Gardiol, M. Ghigo, F. Gianotti, S. Giarrusso, E. Giro, A. Grillo, D. Impiombato, S. Incorvaia, A. La Barbera, N. La Palombara, V. La Parola, G. La Rosa, L. Lessio, G. Leto, S. Lombardi, F. Lucarelli, M. C. Maccarone, G. Malaguti, G. Malaspina, V. Mangano, D. Marano, E. Martinetti, R. Millul, T. Mineo, A. Mistò, C. Morello, G. Morlino, M. R. Panzera, G. Pareschi, G. Rodeghiero, P. Romano, F. Russo, B. Sacco, N. Sartore, J. Schwarz, A. Segreto, G. Sironi, G. Sottile, A. Stamerra, E. Strazzeri, L. Stringhetti, G. Tagliaferri, V. Testa, M. C. Timpanaro, G. Toso, G. Tosti, M. Trifoglio, P. Vallania, V. Zitelli and F. Tavecchio, “The ASTRI Mini-Array Science Case”, *Proceedings ICRC 2013*, Rio De Janeiro, Brazil, July 2013.
- [C24] O. Catalano, S. Giarrusso, G. La Rosa, M. C. Maccarone, T. Mineo, F. Russo, G. Sottile, D. Impiombato, G. Bonanno, M. Belluso, S. Billotta, S. Garozzo, A. Grillo, D. Marano, G. Romeo, V. De Caprio, M. Fiorini, L. Stringhetti, “The ASTRI SST-2M Prototype: Camera and Electronics”, *Proceedings ICRC 2013*, Rio De Janeiro, Brazil, July 2013.
- [C25] C. Bigongiari, F. Di Pierro, C. Morello, A. Stamerra, P. Vallania, G. Agnetta, L. A. Antonelli, D. Bastieri, G. Bellassai, M. Belluso, S. Billotta, B. Biondo, G. Bonanno, G. Bonnoli, P. Bruno, A. Bulgarelli, R. Canestrari, M. Capalbi, P. Caraveo, A. Carosi, E. Cascone, O. Catalano, M. Cereda, P. Conconi, V. Conforti, G. Cusumano, V. De Caprio, A. De Luca, A. Di Paola, D. Fantinel, M. Fiorini, D. Fugazza, D. Gardiol, M. Ghigo, F. Gianotti, S. Giarrusso, E. Giro, A. Grillo, D. Impiombato, S. Incorvaia, A. La Barbera, N. La Palombara, V. La Parola, G. La Rosa, L. Lessio, G. Leto, S. Lombardi, F. Lucarelli, M. C. Maccarone, G.

- Malaguti, G. Malaspina, V. Mangano, D. Marano, E. Martinetti, R. Millul, T. Mineo, A. Mistò, G. Morlino, M. R. Panzera, G. Pareschi, G. Rodeghiero, P. Romano, F. Russo, B. Sacco, N. Sartore, J. Schwarz, A. Segreto, G. Sironi, G. Sottile, E. Strazzeri, L. Stringhetti, G. Tagliaferri, V. Testa, M. C. Timpanaro, G. Toso, G. Tosti, M. Trifoglio, S. Vercellone, V. Zitelli, and the CTA Consortium, “Expected Performance of the ASTRI-SST-2M Telescope Prototype”, *Proceedings ICRC 2013*, Rio De Janeiro, Brazil, July 2013.
- [C26] F. Di Piero, C. Bigongiari, C. Morello, A. Stamerra, P. Vallania, G. Agnetta, L. A. Antonelli, D. Bastieri, G. Bellassai, M. Belluso, S. Billotta, B. Biondo, G. Bonanno, G. Bonnoli, P. Bruno, A. Bulgarelli, R. Canestrari, M. Capalbi, P. Caraveo, A. Carosi, E. Cascone, O. Catalano, M. Cereda, P. Conconi, V. Conforti, G. Cusumano, V. De Caprio, A. De Luca, A. Di Paola, D. Fantinel, M. Fiorini, D. Fugazza, D. Gardiol, M. Ghigo, F. Gianotti, S. Giarrusso, E. Giro, A. Grillo, D. Impiombato, S. Incorvaia, A. La Barbera, N. La Palombara, V. La Parola, G. La Rosa, L. Lessio, G. Leto, S. Lombardi, F. Lucarelli, M. C. Maccarone, G. Malaguti, G. Malaspina, V. Mangano, D. Marano, E. Martinetti, R. Millul, T. Mineo, A. Mistò, G. Morlino, M. R. Panzera, G. Pareschi, G. Rodeghiero, P. Romano, F. Russo, B. Sacco, N. Sartore, J. Schwarz, A. Segreto, G. Sironi, G. Sottile, E. Strazzeri, L. Stringhetti, G. Tagliaferri, V. Testa, M. C. Timpanaro, G. Toso, G. Tosti, M. Trifoglio, S. Vercellone, V. Zitelli, and the CTA Consortium, “Towards the ASTRI Mini-Array”, *Proceedings ICRC 2013*, Rio De Janeiro, Brazil, July 2013.
- [C27] N. La Palombara, G. Agnetta, L. A. Antonelli, D. Bastieri, G. Bellassai, M. Belluso, C. Bigongiari, S. Billotta, B. Biondo, G. Bonanno, G. Bonnoli, P. Bruno, A. Bulgarelli, R. Canestrari, M. Capalbi, P. Caraveo, A. Carosi, E. Cascone, O. Catalano, M. Cereda, P. Conconi, V. Conforti, G. Cusumano, V. De Caprio, A. De Luca, A. Di Paola, F. Di Piero, D. Fantinel, M. Fiorini, D. Fugazza, D. Gardiol, M. Ghigo, F. Gianotti, S. Giarrusso, E. Giro, A. Grillo, D. Impiombato, S. Incorvaia, A. La Barbera, V. La Parola, G. La Rosa, L. Lessio, G. Leto, S. Lombardi, F. Lucarelli, M. C. Maccarone, G. Malaguti, G. Malaspina, V. Mangano, D. Marano, E. Martinetti, R. Millul, T. Mineo, A. Mistò, C. Morello, G. Morlino, M. R. Panzera, G. Pareschi, G. Rodeghiero, P. Romano, F. Russo, B. Sacco, N. Sartore, J. Schwarz, A. Segreto, G. Sironi, G. Sottile, A. Stamerra, E. Strazzeri, L. Stringhetti, G. Tagliaferri, V. Testa, M. C. Timpanaro, G. Toso, G. Tosti, M. Trifoglio, P. Vallania, S. Vercellone, V. Zitelli, “The ASTRI Project: A Mini Array of Dual-Mirror Small Cherenkov Telescopes for CTA”, *Proceedings of Rencontres de Moriond 2013: “Very High Energy Phenomena in the Universe”*, La Thuile, Italy, March 2013.
- [C28] D. Impiombato, S. Giarrusso, M. Belluso, S. Billotta, G. Bonanno, O. Catalano, A. Grillo, G. La Rosa, D. Marano, T. Mineo, F. Russo, G. Sottile, “Characterization of the Front-End EASIROC for Read-Out of SiPM in the ASTRI Camera”, *Proceedings SciNeGHE 2012*, Lecce, Italy, June 2012.
- [C29] G. Sottile, F. Russo, G. Agnetta, M. Belluso, S. Billotta, B. Biondo, G. Bonanno, O. Catalano, S. Giarrusso, A. Grillo, D. Impiombato, G. La Rosa, M. C. Maccarone, A. Mangano, D. Marano, T. Mineo, A. Segreto, E. Strazzeri, M. C. Timpanaro, “UVSiPM: A Light Detector Instrument Based on a SiPM Sensor Working in Single Photon Counting”, *Proceedings SciNeGHE 2012*, Lecce, Italy, June 2012.
- [C30] D. Marano, G. Palumbo, S. Pennisi, “Self-Biased Dual-Path Push-Pull Output Buffer Amplifier Topology for LCD Driver Applications”, *Proceedings IEEE ISCAS 2011*, pp. 29-32, Rio de Janeiro, Brazil, May 2011.
- [C31] D. Marano, G. Palumbo, S. Pennisi, “Low-Power Dual-Active Class-AB Buffer Amplifier with Self-Biasing Network for LCD Column Drivers”, *Proceedings IEEE ISCAS 2010*, pp. 2832-2835, Paris, France, May 2010.
- [C32] D. Marano, G. Palumbo, S. Pennisi, “A Novel Low-Power High-Speed Rail-to-Rail Class-B Buffer Amplifier for LCD Output Drivers”, *Proceedings IEEE ISCAS 2010*, pp. 2816-2819, Paris, France, May 2010.
- [C33] D. Marano, G. Palumbo, S. Pennisi, “Analytical Figure of Merit Evaluation of RNMC Networks for Three-Stage OTAs”, *Proceedings IEEE ISCAS 2010*, pp. 777-780, Paris, France, May 2010.
- [C34] D. Marano, G. Palumbo, S. Pennisi, “An Efficient RNM Compensation Topology with Voltage Buffer and Nulling Resistors for Large-Capacitive-Load Three-Stage OTAs”, *Proceedings IEEE ICECS 2009*, pp. 128-131, Hammamet, Tunisia, December 2009.
- [C35] D. Marano, G. Palumbo, S. Pennisi, “A High-Speed Low-Power Output Buffer Amplifier for Large-Size LCD Applications”, *Proceedings IEEE ICECS 2009*, pp. 132-135, Hammamet, Tunisia, December 2009.
- [C36] D. Marano, G. Palumbo, S. Pennisi, “A New Advanced RNMC Technique with Dual-Active Current and Voltage Buffers for Low-Power High-Load Three-Stage Amplifiers”, *Proceedings IEEE ISCAS 2009*, pp. 2725-2728, Tapei, Taiwan, May 2009.

- [C37] D. Marano, G. Palumbo, S. Pennisi, “Step-Response Optimization Techniques for Low-Power Three-Stage Operational Amplifiers Driving Large Capacitive Loads”, *Proceedings IEEE ISCAS 2009*, pp. 1949-1952, Tapei, Taiwan, May 2009.
- [C38] A. D. Grasso, D. Marano, G. Palumbo, S. Pennisi, “Reversed Double Pole-Zero Cancellation Frequency Compensation Technique for Three-Stage Amplifiers”, *Proceedings IEEE PRIME 2006*, pp. 153-156, Otranto, Italy, June 2006.

c) Note Interne e Rapporti Tecnici

- [T1] D. Marano, S. Garozzo, P. Sangiorgi, G. Sottile, M. Corpora, F. Lo Gerfo, O. Catalano, “ASTRI Mini-Array Cherenkov Camera FPGA Board Requirements Specifications”, *INAF Internal Report: ASTRI-INAF-SPE-7300-003*, January 2021.
- [T2] S. Garozzo, D. Marano, O. Catalano, P. Sangiorgi, G. Sottile, M. Corpora, F. Lo Gerfo, “ASTRI Mini-Array Cherenkov Camera BEE Requirements Specification”, *INAF Internal Report: ASTRI-INAF-SPE-7300-004*, January 2021.
- [T3] S. Garozzo, D. Marano, “Implementazione e Verifica delle Funzionalità di Gestione delle Risposte di Broadcast per la BEE della Camera ASTRI”, *INAF Internal Report: ASTRI-IR-OACT-3200-XXX*, July 2020.
- [T4] D. Marano, S. Garozzo, “Implementazione e Verifica della Funzionalità di Gestione delle Memorie dei Dati Scientifici per la BEE della Camera ASTRI”, *INAF Internal Report: ASTRI-IR-OACT-3200-XXX*, February 2020.
- [T5] S. Garozzo, D. Marano, “Implementazione e Verifica della Funzionalità di Configurazione dei Trigger di PDM per la BEE della Camera ASTRI”, *INAF Internal Report: ASTRI-IR-OACT-3200-XXX*, February 2020.
- [T6] D. Marano, S. Garozzo, “Firmware Tool for the Electrical Verification of the Data Cables Connecting the PDMs to the BEE”, *INAF Technical Report: ASTRI-TR-OACT-3200-048*, July 2018.
- [T7] S. Garozzo, D. Marano, “Shared Memory and Packet Structure for the Back-End Electronics of the ASTRI SST-2M Telescope Camera”, *INAF Technical Report: ASTRI-TR-OACT-3200-047*, July 2018.
- [T8] D. Marano, S. Garozzo, “Component Pinout for the Front-End and Back-End Electronics of the ASTRI SST-2M Telescope Camera”, *INAF Technical Report: ASTRI-TR-OACT-3200-046*, July 2018.
- [T9] S. Garozzo, D. Marano, “Remote Reconfiguration Procedure for the Front-End FPGAs of the ASTRI SST-2M Telescope Camera”, *INAF Technical Report: ASTRI-TR-OACT-3200-045*, July 2018.
- [T10] D. Marano, S. Garozzo, “List of Commands and Configuration Tables of the FPGA Firmware for the Front-End Electronics of the ASTRI SST-2M Camera”, *INAF Technical Report: ASTRI-TR-OACT-3200-044*, July 2018.
- [T11] S. Garozzo, D. Marano, “FPGA Firmware Updates for the Back-End Electronics of the ASTRI SST-2M Telescope Camera”, *INAF Technical Report: ASTRI-TR-OACT-3200-043*, July 2018.
- [T12] D. Marano, S. Garozzo, “FPGA Firmware Updates for the Front-End Electronics of the ASTRI SST-2M Telescope Camera”, *INAF Technical Report: ASTRI-TR-OACT-3200-042*, July 2018.
- [T13] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Caratterizzazione della Tile Hamamatsu SN.6 8×8 pixel di dimensioni 6.975×6.975mm² con microcella da 75µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0030*, April 2016.
- [T14] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Caratterizzazione della Tile Hamamatsu SN.5 8×8 pixel di dimensioni 6.975×6.975mm² con microcella da 75µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0029*, April 2016.
- [T15] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Caratterizzazione della Tile Hamamatsu SN.3 8×8 pixel di dimensioni 6.975×6.975mm² con microcella da 75µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0028*, April 2016.
- [T16] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Caratterizzazione della Tile Hamamatsu SN.1 8×8 pixel di dimensioni 6.975×6.975mm² con microcella da 75µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0027*, April 2016.

- [T17] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Caratterizzazione della Tile Hamamatsu 8×8 pixel di dimensioni 6.975×6.975mm² con microcella da 75µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0026*, March 2016.
- [T18] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Characterization Test of SensL MicroFJ Device SMTPA-60035 S/N. 1 – Lot #150925”, *Rapporti Interni e Tecnici: INAF-OACT n. 12/2015*, November 2015.
- [T19] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Characterization Tests of New Generation Low Cross-Talk MPPCs Series: LCT5 with cell pitch 75µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0025*, May 2015.
- [T20] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Characterization Tests of New Generation Low Cross-Talk MPPCs Series: LCT4 with cell pitch 100µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0024*, May 2015.
- [T21] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Characterization Tests of New Generation Low Cross-Talk MPPCs Series: LCT4 with cell pitch 75µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0023*, May 2015.
- [T22] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Characterization Tests of New Generation Low Cross-Talk MPPCs Series: LCT5 with cell pitch 50µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0022*, May 2015.
- [T23] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Characterization Tests of New Generation Low Cross-Talk MPPCs Series: LCT4 with cell pitch 50µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0021*, May 2015.
- [T24] G. Romeo, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, M. C. Timpanaro, “Characterization Tests of New Generation Low Cross-Talk MPPCs Series: LCT1 with cell pitch 50µm”, *INAF Technical Report: ASTRI-TR-OACT-3200-0020*, May 2015.
- [T25] O. Catalano, D. Impiombato, S. Giarrusso, G. Bonanno, G. Romeo, D. Marano, S. Garozzo, “ASTRI SST-2M Camera Relative Calibration Procedures”, *INAF Internal Report: ASTRI-TN-IASFPA-3200-023*, July 2014.
- [T26] G. Romeo, S. Garozzo, D. Marano, “Reliability Test of all 37 SiPM I/F Boards of the ASTRI SST-2M Camera through Pulse Height Distribution Measurements”, *INAF Technical Report: ASTRI-TR-OACT-3200-0015*, July 2014.
- [T27] S. Garozzo, D. Marano, G. Romeo, “SiPM Interface Systems for the Characterization of Complete PDMs of the ASTRI Telescope Camera”, *INAF Technical Report: ASTRI-TR-OACT-3200-014*, July 2014.
- [T28] D. Marano, G. Romeo, S. Garozzo, “Systematic Calibration Procedure for the Temperature Sensors of the SiPM Interface Boards”, *INAF Internal Report: ASTRI-TR-OACT-3200-013*, July 2014.
- [T29] D. Marano, A. Grillo, S. Garozzo, S. Billotta, G. La Rosa, G. Sottile, “ASTRI Camera Back End Electronics Requirement Document”, *INAF Specification Document: ASTRI-SPEC-OACT-3200-013*, May 2014.
- [T30] G. Romeo, D. Marano, S. Garozzo, G. Bonanno, M. Belluso, S. Billotta, A. Grillo, M. C. Timpanaro, “MPPC Hamamatsu Characterization Report”, *INAF Technical Report: ASTRI-TR-OACT-3200-007*, July 2013.
- [T31] D. Marano, “EASIROC Analogue Front-End Model PSPICE Simulations”, *INAF Internal Report: ASTRI-IR-OACT-3200-035*, July 2013.

d) Relazioni a Convegni e Meeting Internazionali

- [R1] D. Marano, “FPGA Firmware Optimization and Verification of the Functional Task Modules for the Front-End Electronics of the ASTRI SST-2M Telescope Camera”, *20th CTA Consortium General Collaboration Meeting*, Bologna, October 2016.
- [R2] D. Marano, “Accurate Analytical Model and Single-Photoelectron Response of Silicon Photomultiplier Detectors”, *3rd SiPM Advanced Meeting*, Palermo, May 2016.
- [R3] D. Marano, “SiPM Detectors and Front-End Electronics Characterization, Production and Testing for the Camera at the Focal Plane of the ASTRI SST-2M Telescope Prototype”, *9th ASTRI Collaboration Meeting*, Bologna, February 2015.

- [R4] D. Marano, “SiPM Detectors Distribution and Best Operating Voltages of the 1984 Silicon Photomultipliers Logical Pixels for the Camera of the ASTRI SST-2M Telescope Prototype”, *16th CTA Consortium General Collaboration Meeting*, Giardini Naxos, September 2014.
- [R5] D. Marano, “Characterization, Production and Testing of the 37 Silicon Photomultipliers Interface Boards for the Camera of the ASTRI SST-2M Telescope Prototype”, *16th CTA Consortium General Collaboration Meeting*, Giardini Naxos, September 2014.
- [R6] D. Marano, “Silicon Photomultipliers Electrical Model and EASIROC Analogue Front-End PSPICE Simulations”, *6th ASTRI Collaboration Meeting*, Padova, March 2013.
- [R7] D. Marano, “Silicon Photomultipliers Electrical Model Analytical Analysis and Simulations”, *12th CTA Consortium General Collaboration Meeting*, Rome, October 2012.
- [R8] D. Marano, “Integrated Circuit Fabrication of a RNM-Compensated Three-Stage Amplifier and a First-Order Switched-Capacitor Sigma-Delta ($\Sigma\Delta$) ADC Converter”, *XIX Brainstorming Day*, ST-Microelectronics, Catania, October 2009.
- [R9] D. Marano, “Study, Analysis and Design of a First-Order Switched-Capacitor Sigma-Delta ($\Sigma\Delta$) ADC Converter”, *XVIII Brainstorming Day*, INGV (Istituto Nazionale di Geofisica e Vulcanologia), sezione di Catania, June 2009.
- [R10] D. Marano, “Sigma-Delta ($\Sigma\Delta$) Modulation Theory and Oversampling Techniques”, *XVII Brainstorming Day*, INGV (Istituto Nazionale di Geofisica e Vulcanologia), sezione di Catania, October 2008.
- [R11] D. Marano, “Analytic and Numeric Figure of Merit Comparisons of Reversed Nested Miller Compensation Techniques”, *XVI Brainstorming Day*, ST-Microelectronics, Catania, May 2008.
- [R12] D. Marano, “Reversed Nested Miller Frequency Compensation Techniques For Low-Power Three-Stage Operational Transconductance Amplifiers with Large Capacitive Loads”, *XV Brainstorming Day*, Università di Catania, October 2007.
- [R13] D. Marano, “Nested and Reversed Nested Miller Frequency Compensation for Multistage OTAs”, *XIV Brainstorming Day*, Palazzo Municipale di Palazzolo Acreide (Siracusa), April 2007.

e) Altri Contributi a Convegni e Meeting Internazionali

- [M1] A. D. Grasso, D. Marano, “Novel Straightforward and Effective Extraction Methodology for SiPM Model Parameters”, *23rd IEEE European Conference on Circuit Theory and Design*, Catania, September 2017.
- [M2] A. D. Grasso, D. Marano, “Enhanced Analytical Model and Output Dynamic Response of SiPM-Based Electronics Read-Outs”, *23rd IEEE International Conference on Electronics Circuits and Systems*, Monte Carlo, December 2016.
- [M3] G. Bonanno, and the C.O.L.D. group, “The Silicon Photomultiplier (SiPM) Trade-Off for the ASTRI-CTA Mini-Array Camera and Detectors Procurement Roadmap – part II”, *3rd SiPM Advanced Workshop*, Palermo, May 2016.
- [M4] S. Pennisi, D. Marano, “A New Enhanced PSPICE Implementation of the Equivalent Circuit Model of Silicon Photomultiplier Detectors”, *13th IEEE International NEW Circuits And Systems Conference*, Grenoble, June 2015.
- [M5] G. Bonanno, and the C.O.L.D. group, “The Silicon Photomultiplier (SiPM) Trade-Off for the ASTRI-CTA Mini-Array Camera and Detectors Procurement Roadmap – part I”, *9th ASTRI Collaboration Meeting*, Bologna, February 2015.
- [M6] A. D. Grasso, D. Marano, “A New Accurate Analytical Expression for the Silicon Photomultiplier Transient Response to Single Photons”, *21st IEEE International Conference on Electronics Circuits and Systems*, Marseille, December 2014.
- [M7] S. Garozzo, G. Romeo, D. Marano, A. Grillo, M. Belluso, S. Billotta, G. Bonanno, M. C. Timpanaro, “SiPM Interface Board e Sistemi di Interfacciamento per la Caratterizzazione di una PDM di Rivelatori della Camera ASTRI”, *8th ASTRI Collaboration Meeting*, Perugia, October 2014.
- [M8] G. Bonanno, G. Romeo, S. Garozzo, D. Marano, A. Grillo, M. C. Timpanaro, S. Billotta, “Set-up Elettronico per Caratterizzazione della PDM ASTRI con EASIROC”, *8th ASTRI Collaboration Meeting*, Perugia, October 2014.

- [M9] G. Bonanno, S. Billotta, S. Garozzo, A. Grillo, D. Marano, G. Romeo, M. C. Timpanaro, “Characterization of Recently Manufactured 3×3 mm² and 6×6 mm² SiPMs by Hamamatsu and Excelitas”, *2nd SiPM Advanced Workshop*, Geneva, March 2014.
- [M10] M. Belluso, and the ASTRI Electronics Camera Team, “Back-End Electronics (Status)”, *7th ASTRI Collaboration Meeting*, Napoli, October 2013.
- [M11] G. Bonanno, M. Belluso, S. Billotta, S. Garozzo, A. Grillo, D. Marano, G. Romeo, “SiPM, Characterization, Modeling and Front-end Electronics for ASTRI and CTA projects”, *SiPM: Who Is Who Telecon.*, organized by Max Plank Institute for Physics, Munich, April 2013.
- [M12] M. Belluso, S. Billotta, G. Bonanno, S. Garozzo, A. Grillo, D. Marano, G. Romeo, M. C. Timpanaro, “Status Report on SiPMs Characterization for the ASTRI Camera”, *6th ASTRI Collaboration Meeting*, Padova, March 2013.
- [M13] M. Belluso, G. La Rosa, D. Marano, “Front-End and Back-End Electronics: Work in Progress”, *4th ASTRI Collaboration Meeting*, Rome, April 2012.
- [M14] M. Belluso, G. Bonanno, S. Billotta, A. Grillo, D. Marano, “ASTRI Camera for CTA/SST – Status of the Characterization of SiPMs, Modeling and SiPM PCBs”, *5th CTA Consortium SST Collaboration Meeting*, Nicolosi (Catania), October 2012.