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## Complete list of publications

- 1) CMS physics technical design report: Addendum on high density QCD with heavy ions; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); Journal of Physics G-Nuclear and particle physics, 34, 11, 2307-2455, 2007
- 2) Alignment of the CMS Silicon Tracker during Commissioning with Cosmic Rays; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03009, 2010
- 3) Performance and Operation of the CMS Electromagnetic Calorimeter; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03010, 2010
- 4) Precise Mapping of the Magnetic Field in the CMS Barrel Yoke using Cosmic Rays; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03021, 2010
- 5) Alignment of the CMS Muon System with Cosmic-Ray and Beam-Halo Muons; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03020, 2010
- 6) Time Reconstruction and Performance of the CMS Electromagnetic Calorimeter; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03011, 2010
- 7) Performance Study of the CMS Barrel Resistive Plate Chambers with Cosmic Rays; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03017, 2010
- 8) Aligning the CMS Muon Chambers with the Muon Alignment System during an Extended Cosmic Ray Run; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03019, 2010
- 9) CMS Data Processing Workflows during an Extended Cosmic Ray Run; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03006, 2010
- 10) Commissioning of the CMS Experiment and the Cosmic Run at Four Tesla, CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03001, 2010
- 11) Performance of the CMS Drift Tube Chambers with Cosmic Rays; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03015, 2010
- 12) Performance of CMS Hadron Calorimeter Timing and Synchronization using Test Beam, Cosmic Ray, and LHC Beam Data; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03013, 2010
- 13) Identification and Filtering of Uncharacteristic Noise in the CMS Hadron Calorimeter; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03014, 2010
- 14) Commissioning of the CMS High-Level Trigger with Cosmic Rays; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03005, 2010
- 15) Performance of the CMS drift-tube chamber local trigger with cosmic rays; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03003, 2010
- 16) Calibration of the CMS Drift Tube Chambers and Measurement of the Drift Velocity with Cosmic Rays; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03016, 2010

- 17) Fine Synchronization of the CMS Muon Drift-Tube Local Trigger using Cosmic Rays; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03004, 2010
- 18) Performance of the CMS Hadron Calorimeter with Cosmic Ray Muons and LHC Beam Data; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03012, 2010
- 19) Performance of the CMS Cathode Strip Chambers with Cosmic Rays; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03018, 2010
- 20) Performance of CMS Muon Reconstruction in Cosmic-Ray Events; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03022, 2010
- 21) Commissioning and Performance of the CMS Silicon Strip Tracker with Cosmic Ray Muons; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03008, 2010
- 22) Measurement of the Muon Stopping Power in Lead Tungstate; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, P03007, 2010
- 23) Performance of the CMS Level-1 Trigger during Commissioning with Cosmic Ray Muons and LHC beams; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03002, 2010
- 24) Commissioning and Performance of the CMS Pixel Tracker with Cosmic Ray Muons; CMS Collaboration (S. Chatrchyan, D. **Tonoiu**, et al.); JINST, 5, T03007, 2010
- 25) Lookback time and Chandra constrains on cosmological parameters; D. **Tonoiu**, A. Caramete, L.A. Popa.; Rom.Rep.Phys., 63, 879-889, 2011
- 26) Detection potential of the KM3NeT detector for high-energy neutrinos from the Fermi bubbles; Adrian-Martinez, S.; Ageron, M.; **Tonoiu**, D.; et al. ; KM3NeT Collaboration,, ASTROPARTICLE PHYSICS, Volume: 42 Pages: 7-14, 2013
- 27) Expansion cone for the 3-inch PMTs of the KM3NeT optical modules; Adrian-Martinez, S., Ageron, M.; **Tonoiu**, D.; et al. ; KM3NeT Collaboration, JOURNAL OF INSTRUMENTATION, Vol. 8, DOI 10.1088/1748-0221/8/03/T03006, 2013
- 28) L. A. Popa, D. Tonoiu, "Subdominant Dark Matter sterile neutrino resonant production in the light of PLANCK", <http://arxiv.org/abs/1501.06355>, JCAP 09 (066) (2015)