Francesco Santanastasio - Lista di tutte le pubblicazioni

Pubblicazioni

1. "Search for Stopped Gluinos in pp collisions at sqrt s = 7 TeV"

V. Khachatryan et al. [CMS Collaboration]

Phys. Rev. Lett. **106**, 011801 (2011) [arXiv:1011.5861 [hep-ex]]

2. "First Measurement of the Cross Section for Top-Quark Pair Production in Proton-Proton Collisions at sqrt(s)=7 TeV"

V. Khachatryan et al. [CMS Collaboration]

Phys. Lett. B **695**, 424 (2011) [arXiv:1010.5994 [hep-ex]]

3. "Search for Quark Compositeness with the Dijet Centrality Ratio in pp Collisions at sqrt(s)=7 TeV"

V. Khachatryan et al. [CMS Collaboration]

Phys. Rev. Lett. **105**, 262001 (2010) [arXiv:1010.4439 [hep-ex]]

4. "Search for Dijet Resonances in 7 TeV pp Collisions at CMS"

V. Khachatryan et al. [CMS Collaboration]

Phys. Rev. Lett. **105**, 211801 (2010) [arXiv:1010.0203 [hep-ex]]

5. "Observation of Long-Range Near-Side Angular Correlations in Proton-Proton Collisions at the LHC"

V. Khachatryan et al. [CMS Collaboration]

JHEP **1009**, 091 (2010) [arXiv:1009.4122 [hep-ex]]

6. "Study of various photomultiplier tubes with muon beams and Cherenkov light produced in electron showers"

S. Chatrchyan et al. [CMS HCAL Collaboration]

JINST 5, P06002 (2010)

7. "CMS Tracking Performance Results from early LHC Operation"

V. Khachatryan et al. [CMS Collaboration]

Eur. Phys. J. C **70**, 1165 (2010) [arXiv:1007.1988 [physics.ins-det]]

8. "Measurement of the Underlying Event Activity in Proton-Proton Collisions at 0.9 TeV"

V. Khachatryan et al. [CMS Collaboration]

Eur. Phys. J. C **70**, 555 (2010) [arXiv:1006.2083 [hep-ex]]

9. "Measurement of the charge ratio of atmospheric muons with the CMS detector"

V. Khachatryan et al. [CMS Collaboration]

Phys. Lett. B **692**, 83 (2010) [arXiv:1005.5332 [hep-ex]]

10. "Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at sqrt(s) = 7 TeV"

V. Khachatryan et al. [CMS Collaboration]

Phys. Rev. Lett. **105**, 022002 (2010) [arXiv:1005.3299 [hep-ex]]

11. "Measurement of Bose-Einstein correlations with first CMS data"

V. Khachatryan et al. [CMS Collaboration]

Phys. Rev. Lett. 105, 032001 (2010) [arXiv:1005.3294 [hep-ex]]

12. "Transverse momentum and pseudorapidity distributions of charged hadrons in pp collisions at sqrt(s) = 0.9 and 2.36 TeV"

V. Khachatryan et al. [CMS Collaboration]

JHEP **1002**, 041 (2010) [arXiv:1002.0621 [hep-ex]]

13. "Commissioning and Performance of the CMS Pixel Tracker with Cosmic Ray Muons"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03007 (2010) [arXiv:0911.5434 [physics.ins-det]]

14. "Performance of the CMS Level-1 Trigger during Commissioning with Cosmic Ray Muons"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03002 (2010) [arXiv:0911.5422 [physics.ins-det]]

15. "Measurement of the Muon Stopping Power in Lead Tungstate"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, P03007 (2010) [arXiv:0911.5397 [physics.ins-det]]

16. "Commissioning and Performance of the CMS Silicon Strip Tracker with Cosmic Ray Muons"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03008 (2010) [arXiv:0911.4996 [physics.ins-det]]

17. "Performance of CMS Muon Reconstruction in Cosmic-Ray Events"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03022 (2010) [arXiv:0911.4994 [physics.ins-det]]

18. "Performance of the CMS Cathode Strip Chambers with Cosmic Rays"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03018 (2010) [arXiv:0911.4992 [physics.ins-det]]

19. "Performance of the CMS Hadron Calorimeter with Cosmic Ray Muons and LHC Beam Data"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03012 (2010) [arXiv:0911.4991 [physics.ins-det]]

20. "Fine Synchronization of the CMS Muon Drift-Tube Local Trigger using Cosmic Rays"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03004 (2010) [arXiv:0911.4904 [physics.ins-det]]

21. "Calibration of the CMS Drift Tube Chambers and Measurement of the Drift Velocity with Cosmic Rays"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03016 (2010) [arXiv:0911.4895 [physics.ins-det]]

22. "Performance of the CMS Drift-Tube Local Trigger with Cosmic Rays"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03003 (2010) [arXiv:0911.4893 [physics.ins-det]]

23. "Commissioning of the CMS High-Level Trigger with Cosmic Rays"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03005 (2010) [arXiv:0911.4889 [physics.ins-det]]

24. "Identification and Filtering of Uncharacteristic Noise in the CMS Hadron Calorimeter"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03014 (2010) [arXiv:0911.4881 [physics.ins-det]]

25. "Performance of CMS Hadron Calorimeter Timing and Synchronization using Test Beam, Cosmic Ray, and LHC Beam Data"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03013 (2010) [arXiv:0911.4877 [physics.ins-det]]

26. "Performance of the CMS Drift Tube Chambers with Cosmic Rays"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03015 (2010) [arXiv:0911.4855 [physics.ins-det]]

27. "Commissioning of the CMS Experiment and the Cosmic Run at Four Tesla"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03001 (2010) [arXiv:0911.4845 [physics.ins-det]]

28. "CMS Data Processing Workflows during an Extended Cosmic Ray Run"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03006 (2010) [arXiv:0911.4842 [physics.ins-det]]

29. "Aligning the CMS Muon Chambers with the Muon Alignment System during an Extended Cosmic Ray Run"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03019 (2010) [arXiv:0911.4770 [physics.ins-det]]

30. "Performance Study of the CMS Barrel Resistive Plate Chambers with Cosmic Rays"

S. Chatrchyan et al. [CMS Collaboration]

JINST 5, T03017 (2010) [arXiv:0911.4045 [physics.ins-det]]

31. "Time Reconstruction and Performance of the CMS Electromagnetic Calorimeter" S. Chatrchyan *et al.* [CMS Collaboration]

JINST 5, T03011 (2010) [arXiv:0911.4044 [physics.ins-det]]

32. "Alignment of the CMS Muon System with Cosmic-Ray and Beam-Halo Muons" S. Chatrchyan *et al.* [CMS Collaboration]
JINST 5, T03020 (2010) [arXiv:0911.4022 [physics.ins-det]]

33 "Precise Mapping of the Magnetic Field in the CMS Barr

33. "Precise Mapping of the Magnetic Field in the CMS Barrel Yoke using Cosmic Rays" S. Chatrchyan *et al.* [CMS Collaboration]
JINST 5, T03021 (2010) [arXiv:0910.5530 [physics.ins-det]]

34. "Performance and Operation of the CMS Electromagnetic Calorimeter"

S. Chatrchyan *et al.* [CMS Collaboration] JINST **5**, T03010 (2010) [arXiv:0910.3423 [physics.ins-det]]

35. "Alignment of the CMS Silicon Tracker during Commissioning with Cosmic Rays" S. Chatrchyan *et al.* [CMS Collaboration]
JINST 5, T03009 (2010) [arXiv:0910.2505 [physics.ins-det]]

36. "The Cms Barrel Calorimeter Response To Particle Beams From 2-Gev/C To 350-Gev/C" S. Abdullin *et al.* [USCMS Collaboration and ECAL/HCAL Collaboration] Eur. Phys. J. C **60**, 359 (2009) [Erratum-ibid. C **61**, 353 (2009)]

37. "Intercalibration of the barrel electromagnetic calorimeter of the CMS experiment at start-up"

P. Adzic *et al.* [CMS Electromagnetic Calorimeter Group] JINST **3**, P10007 (2008)

38. "The CMS experiment at the CERN LHC"

R. Adolphi *et al.* [CMS Collaboration] JINST **3**, S08004 (2008)

39. "High voltage system for the CMS electromagnetic calorimeter"

A. Bartoloni et al.

Nucl. Instrum. Meth. A 582, 462 (2007)

Pre-prints

40. "Search for Heavy Stable Charged Particles in pp collisions at sqrt(s)=7 TeV"

V. Khachatryan et~al. [CMS Collaboration] arXiv:1101.1645 [hep-ex] CMS-EXO-10-011(2011)

41. "Search for Supersymmetry in pp Collisions at 7 TeV in Events with Jets and Missing Transverse Energy"

V. Khachatryan et~al. [CMS Collaboration] arXiv:1101.1628 [hep-ex] CMS-SUS-10-003(2011)

42. "Measurement of the B+ Production Cross Section in pp Collisions at sqrt(s) = 7 TeV"

V. Khachatryan *et al.* [CMS Collaboration] arXiv:1101.0131 [hep-ex]

CMS-BPH-10-004(2011)

43. "Search for a heavy gauge boson W' in the final state with an electron and large missing transverse energy in pp collisions at sqrt(s) = 7 TeV"

V. Khachatryan *et al.* [CMS Collaboration] arXiv:1012.5945 [hep-ex]

44. "Measurement of the Inclusive Upsilon production cross section in pp collisions at sqrt(s)=7 TeV"

V. Khachatryan et al. [CMS Collaboration]

arXiv:1012.5545 [hep-ex] CMS-BPH-10-003(2010)

45. "Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at sqrt(s) = 7 TeV"

V. Khachatryan et al. [CMS Collaboration]

arXiv:1012.4033 [hep-ex]

CMS-EXO-10-007(2010)

46. "Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at sqrt(s) = 7 TeV"

V. Khachatryan et al. [CMS Collaboration]

arXiv:1012.4031 [hep-ex]

47. "Search for Microscopic Black Hole Signatures at the Large Hadron Collider"

V. Khachatryan et al. [CMS Collaboration]

arXiv:1012.3375 [hep-ex]

CMS-EXO-10-017(2010)

48. "Measurements of Inclusive W and Z Cross Sections in pp Collisions at sqrt(s)=7 TeV"

V. Khachatryan et al. [CMS Collaboration]

arXiv:1012.2466 [hep-ex]

CMS-EWK-10-002(2010)

49. "Measurement of the Isolated Prompt Photon Production Cross Section in pp Collisions at sqrt(s) = 7 TeV"

V. Khachatryan et al. [CMS Collaboration]

arXiv:1012.0799 [hep-ex]

50. "Charged particle multiplicities in pp interactions at sqrt(s) = 0.9, 2.36, and 7 TeV"

V. Khachatryan et al. [CMS Collaboration]

arXiv:1011.5531 [hep-ex]

51. "Prompt and non-prompt J/psi production in pp collisions at sqrt(s) = 7 TeV"

V. Khachatryan et al. [CMS Collaboration]

arXiv:1011.4193 [hep-ex]

CMS-BPH-10-002(2010)

Pubblicazioni (Proceedings) per conferenze

52. "Searches With Early Data At Cms"

F. Santanastasio

PoS D **IS2010**, 206 (2010)

Prepared for 18th International Workshop on Deep Inelastic Scattering and Related Subjects (DIS 2010), Florence, Italy, 19-23 Apr 2010

53. "Prospects for Exotica Searches at ATLAS and CMS Experiments"

F. Santanastasio

Il Nuovo Cimento Vol.32 C, N.3-4 ncc9484 (2009)

Prepared for Incontri di Fisica delle Alte Energie (IFAE 2009), Bari, Italy, Apr 2009

Tesi di laurea e dottorato

54. "Search for Supersymmetry with Gauge-Mediated Breaking using high energy photons at CMS experiment"

F. Santanastasio

Tesi di Dottorato presso l'Universita' degli Studi La Sapienza di Rome (2007)

http://www.roma1.infn.it/cms/tesiPHD/santanastasio.pdf

55. "Calibrazione di un calorimetro elettromagnetico tramite il flusso totale di energia"

F. Santanastasio

Tesi di Laurea presso l'Universita' degli Studi La Sapienza di Roma (2004) http://www.roma1.infn.it/cms/tesi/santanastasio.pdf