

Francesco Santanastasio - Lista delle pubblicazioni da allegare

Fisica oltre il Modello Standard

1. **“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] , submitted to PRL in Dec. 2010, work realized with a small group of people from the Univeristy of Maryland
2. **“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] , submitted to PRL in Dec. 2010
CMS-EXO-10-007(2010)
3. **“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]]
4. **“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]]
5. **“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]]

Attività nei gruppi ECAL, HCAL e Jet/MET di CMS

6. **“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)]
7. **“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)
8. **“High voltage system for the CMS electromagnetic calorimeter”**
A. Bartoloni *et al.*
Nucl. Instrum. Meth. A **582**, 462 (2007)
9. **“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]]
10. **“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)
11. **“Performance of Missing Transverse Energy Reconstruction in $\sqrt{s}= 900$ and 2360 GeV pp Collision Data”**
[CMS Collaboration]
CMS-PAS-JME-10-002 (2010), <http://cdsweb.cern.ch/record/1247385/files/JME-10-002-pas.pdf>

Pubblicazioni (Proceedings) per conferenze

12. **“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

13. **“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 dottorato

14. **“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>