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CALICE papers

General CALICE papers


SiW ECAL papers

  ◆ tar file including source and figures

- Response of the CALICE Si-W Electromagnetic Calorimeter Physics Prototype to Electrons, C. Adloff et al., NIM A608 (2009) 372; e-print: arXiv:0811.2354
  ◆ tar file including source and figures

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- Effects of high-energy particle showers on the embedded front-end electronics of an electromagnetic calorimeter for a future lepton collider, C. Adloff et al., NIM A 654 (2011), 97; e-print: arXiv:1102.3454
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ScECAL papers

- Performance of the first prototype of the CALICE scintillator strip electromagnetic calorimeter, K. Francis et al., NIM A763 (2014), 278; e-print: arXiv:1311.3761


AHCAL papers


Electromagnetic response of a highly granular hadronic calorimeter, C. Adloff et al., JINST 6 (2011) P04003; e-print: arXiv:1012.4343

Hadronic energy resolution of a highly granular scintillator-steel calorimeter using software compensation techniques, C. Adloff et al., JINST 7 (2012) P09017; e-print: arXiv:1207.4210

Track segments in hadronic showers in a highly granular scintillator-steel hadron calorimeter, C. Adloff et al., JINST 8 (2013) P09001; e-print: arXiv:1305.7027

Validation of GEANT4 Monte Carlo Models with a Highly Granular Scillator-Steel Hadron Calorimeter, C. Adloff et al., JINST 8 (2013) P07005; e-print: arXiv:1306.3037


DECAL papers

Monolithic Active Pixel Sensors (MAPS) in a quadruple well technology for nearly 100% fill factor and full CMOS pixels, J. A. Ballin et al., Sensors 2008, 8(9), 5336-5351; e-print: arXiv:0807.2920


First radiation hardness results of the TeraPixel Active Calorimeter (TPAC) sensor, T. Price et al., JINST 8 (2013) P01007

W-AHCAL papers

Shower development of particles with momenta from 1 to 10 GeV in the CALICE Scintillator-Tungsten HCAL, C. Adloff et al., JINST 9 (2014) P01004; e-print: arXiv:1311.3505


TCMT papers


DHCAL papers


DHCAL with Minimal Absorber: Measurements with Positrons, B. Freund et al., 2016 JINST 11 P05008; e-print: arXiv:1603.01652

T3B papers


MicroMegas papers

- Monte Carlo study of the physics performance of a digital hadronic calorimeter, C. Adloff et al., 2009 JINST 4 P11009

- A MICROMEGAS chamber with embedded DIRAC ASIC for hadronic calorimeter, C. Adloff et al., 2009 JINST 4 P11011

- MICROMEGAS chambers for hadronic calorimetry at a future linear collider, C. Adloff et al., 2009 JINST 4 P11023

- Beam test of a small MICROMEGAS DHCAL prototype, C. Adloff et al., 2010 JINST 5 P01013

- Construction and test of a 1x1 m2 Micromegas chamber for sampling hadron calorimetry at future lepton colliders, C. Adloff et al., NIMA 729 (2013) 90–101.

SDHCAL papers


Other CALICE-related papers


Directly coupled tiles as elements of a scintillator calorimeter with MPPC readout, G. Blazey et al., NIM A605 (2009) 277-281


Development of a modular and scalable data acquisition system for calorimeters at a linear collider, M.J. Goodrick et al., 2011 JINST 6 P10011


A design of scintillator tiles read out by surface-mounted SiPMs for a future hadron calorimeter, Yong Liu et al., 2014 IEEE Nuclear Science Symposium and Medical Imaging Conference (NSS/MIC); e-print: arXiv:1512.05900

The FoCal prototype - an extremely fine-grained electromagnetic calorimeter using CMOS pixel sensors, G. Nooren et al., Submitted to JINST; e-print: arXiv:1708.05164

-- MarinaChadeeva - 2017-08-23