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CALICE papers

General CALICE papers


SiW ECAL papers

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ScECAL papers


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 Scintillator-Steel Hadron Calorimeter, C. Adloff et al., JINST 8 (2013) P07005 ; e-print: arXiv:1306.3037

• Pion and proton showers in the CALICE scintillator-steel analogue hadron calorimeter, B. Bilki et al., JINST 10 (2015) P04014 ; e-print: arXiv:1412.2653

• Hadron shower decomposition in the highly granular CALICE analogue hadron calorimeter, G. Eigen et al., JINST 11 (2016) P06013 ; e-print: arXiv:1602.08578

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
  ♦ tar file including source and figures


TCMT papers


DHCAL papers


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
- **Study of the response and photon-counting resolution of silicon photomultipliers using a generic simulation framework**, P Eckert, R Stamen and H-C Schultz-Coulon, 2012 JINST 7 P08011
- **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