

CMS HCAL Publications and Notes 2015
(Updated 6 January 2016)

CMS HCAL Publications:

Submitting author: (Left over from 2011)

The CMS HCAL Endcap Calorimeter Response to Particle Beams from 3 to 300 GeV/c
Not yet submitted.

CMS HCAL NOTES-

CMS DN-2014/019

Submitting author: Yuta Takahashi **Left over from 2014, now complete**

Commissioning and performance of the CMS Hadron Outer Calorimeter

CMS IN-2015/006

Submitting author: Sunanda Banerjee

Validation of Simulated Hits, Digits and Reconstructed Hits in the Simulation of the High Granularity Calorimeter

CMS DN-2015/001

Submitting author: Sunanda Banerjee

Validation of HCAL simulation hits

CMS DN-2015/006 Not final yet

Submitting author: Viktor Khristenko

Calibration of the CMS Hadron Forward Calorimeter in preparation for Run II

CMS DN-2015/007 Not final yet

Submitting author: Jeremy Mans

Radiation Tolerance Studies of the Microsemi Igloo2 FPGA

CMS DN-2015/009

Submitting author: Zishuo Yang

Simulations of HCAL Endcap Liquid Tile Prototype

CMS DN-2015/012 Not final yet

Submitting author: Sung Woo Youn

Test Beam Results of the Liquid Scintillator (EJ-309)

CMS DN-2015/015

Submitting author: Monikka Mittal

Saturation Study of HO with SiPM readout for the choice of Dynamic range and gain

CMS DN-2015/021

Submitting author: Jia Fu Low **HGCAL Paper**
CO2 cooling test for Phase 2 high-granularity calorimeter cassette

CMS DN-2015/024

Submitting author: Bayram Tali
Noise Filter Performance studies for CMS HF by comparing new and old PMTs using Collection of data taken in 2012

CMS DN-2015/027 Not final yet

Submitting author: Yuri Maravin
Calibration of HF detector with Z- \rightarrow ee process

CMS DN-2015/028 Not final yet

Submitting author: Halil Saka
HCAL Noise Filter Algorithms in Run-2

CMS DN-2015/029

Submitting author: Gobinda Majumder
Response correction of HO towers with 2015 collision data

CMS DN-2015/030 Not final yet

Submitting author: Natalia Lychkovskaya
HCAL Azimuthal Symmetry Calibration with Collisions Data

CMS DN-2015/031 Not final yet

Submitting author: Sunanda Banerjee
HCAL Calibration with Isolated Charged Hadrons

CMS DN-2015/031 Not final yet

Submitting author: Markus Klute
HCAL 25ns Reconstruction for Run II

CMS CR-2015/020

Submitting author: Andrew J Whitbeck
The CMS Central Hadron Calorimeter DAQ System Upgrade
Conference: TWEPP 2014

CMS CR-2015/258

Submitting author: Emrah Tiras
Radiation Hard and High Light Yield Scintillator Search for CMS Phase II Upgrade
Conference: DPF 2015

CMS CR-2015/291

Submitting author: Nathaniel J Pastika
Performance of the prototype readout system for the CMS endcap hadron calorimeter upgrade;
Conference: TWEPP 2015

CMS CR-2015/299

Submitting author: Daryl C. Hare

First large volume characterization of the QIE10/11 custom front-end integrated circuits

Conference: TWEPP 2015

CMS CR-2014/116

Submitting author: Burak Bilki

CMS Forward Calorimetry R and D for Phase II Upgrade;

Conference: TIPP 2014

CMS CR-2015/303

Submitting author: Nicolo Tosi

CMS Beam Halo Monitor Electronics.

Conference: TWEPP 2015

CMS CR-2015/327

Submitting author: Yasar Onel

CMS Hadron Forward Calorimeter Phase I Upgrade Status;

Conference: IEEE 2015