

## CMS HCAL Publications and Notes 2016

(Updated 27 January 2017)

### CMS HCAL Publications:

#### PUBLISHER PAPERS

- **Sarah Eno (All HCAL authors):** Dose rate effects in the radiation damage of the plastic scintillators of the CMS Hadron Endcap calorimeter during the 8 TeV LHC Run. [2016\\_JINST\\_11\\_T10004](#)
- **Alberto Belloni (limited number of authors):** Liquid scintillator tiles for calorimetry. [2016\\_JINST\\_11\\_P11018](#)

### CMS HCAL Conference Reports-

1. **CR145:** Erhan Gulmez: Phase 1 Upgrade of the CMS\_HF Calorimeter. LHCP 2016
2. **CR156:** Merijn Van De Klundert: Performance of the CASTOR calorimeter at CMS during Run II of LHC; Calor 2016
3. **CR256:** Pavel Bunin: Phase 1 Front End CMS Calorimeter (HE) Upgrade preparation -- RDMS CMS Conference 2016
4. **CR340:** Daniel Noonan: Phase 1 upgrade of the CMS forward hadronic calorimeter. TWEED-16
5. **CR255:** Bayram Tali: Noise Filter Performance studies for CMS HF by comparing new and old PMTs using Collection of data taken in 2012. UPHUK-6
6. **CR380:** Burak Bilki: Commissioning of CMS Forward Hadron Calorimeters with Upgraded Multi-anode PMTs and uTCA Readout. ICHEP2016
7. **CR417:** Burak Bilki: Commissioning of Upgrade Forward Hadron Calorimeters of CMS-2016 IEEE

### CMS HCAL Detector – Notes. Including papers completed in 2016.

1. **DN2015/006:** Viktor Khristenko: Calibration of the CMS Hadron Forward Calorimeter in preparation for Run II.
2. **DN2015/028:** Halil Saka: HCAL Noise Filter Algorithms in Run-2.
3. **DN2015/030:** Natalia Lychkovskaya: HCAL Azimuthal Symmetry Calibration with Collisions Data.
4. **DN2016/010:** Geng-Yuan Jeng: Radiation Tolerance Studies of Selected Plastic Scintillators. *Not yet final*
5. **DN2016/019:** Alberto Belloni: Brightness and uniformity measurements of plastic scintillator tiles at the CERN H2 test beam.
6. **DN2016/023:** Suman Chatterjee; Upgrade of HO Weight Factor in Particle-Flow Algorithm
7. **DN2016/026:** Maximilian Heindl: HF Calibration with  $Z \rightarrow ee$  in Run 2.

8. **DN2016/029**: Sunanda Banerjee: Development of a Dedicated Trigger for Calibrating the CMS Hadron Calorimeter Using Isolated tracks.
9. **DN2016/030**: Sunanda Banerjee: Development of a Dedicated Trigger for Calibrating the CMS Hadron Calorimeter Using Isolated tracks. *Not yet final*
10. **DN2016/031**: Soham Bhattacharya: Multi-depth Clustering Algorithm in the CMS Hadron Endcap (HE) Calorimeter.