

Table of Contents

CMS Egamma Results.....	1
Public Results.....	1
Notes, PAS and papers.....	2
Additional material.....	2

CMS Egamma Results

Public Results

Analysis	Document	Public twiki	lumi used	ECM	year
----------	----------	--------------	-----------	-----	------

Performance of electron and photon reconstruction in Run 2 with the CMS experiment	CMS-DP-2020-037 ↗	Twiki		13 TeV	Run-2
Redefinition of Electron and Photon identification variables for Run-3 in the CMS Experiment	CMS DPS-2020/034 ↗	Twiki		14 TeV	Run-3
Single and Double Electron trigger Efficiencies using the full Run 2 dataset	CMS DPS-2020/016	Twiki		13 TeV	Run-2
Performance of Electron and Photonreconstruction in the 2017 Legacy dataset of the CMS Experiment	CMS DPS-2020/024 ↗	-		13 TeV	2017
CMS ECAL Timing Resolution Performance with Run 2 data	CMS DPS-2019/021 ↗	Twiki	35.9+45.2 fb-1	13 TeV	2016+2017
Dielectron event display from 2018 CMS data for the ICHEP 2018 Conference	CMS DPS-2018/043 ↗	-		13 TeV	2018
Electron and Photon performance in CMS with the data sample collected in 2016-17-18 at 13 TeV for the ICHEP 2018 Conference	CMS DPS-2018/041 ↗	-		13 TeV	2016+17+18
Electron trigger performance in CMS with the full 2016 and 2017 data samples	CMS DPS-2018/030 ↗	Twiki	36 + 42 fb-1	13 TeV	2016+2017
Electron and Photon performance in CMS with the full 2017 data sample and additional 2016 highlights for the CALOR 2018 Conference	CMS DPS-2018/017 ↗	-	36 + 42 fb-1	13 TeV	2016+2017
Electron and photon performance in CMS with the full 2016 data sample	CMS DPS-2017/004 ↗	-	36 fb-1	13 TeV	2016
Electron and photon performance in CMS with first 12.9/fb of 2016 data	CMS DPS-2016/049 ↗	-	12.9 fb-1	13 TeV	2016
Electron performance using first data collected by CMS in 2016	CMS DPS-2016/026 ↗	-	0.6 fb-1	13 TeV	2016
Electron and Photon performance using data collected by CMS at $s = \sqrt{13}$ TeV and 25ns	CMS DPS-2015/067 ↗	-	2.6 fb-1	13 TeV	2015
Electron and Photon performance with 50ns Run II data at $\sqrt{s}=13$ TeV	CMS DPS-2015/013 ↗	-	40 pb-1	13 TeV	2015
Performance of electron reconstruction and selection with the CMS detector at $\sqrt{s}=8$ TeV	EGM-13-001 ↗	TWiki	19.6 fb-1	8 TeV	2014
Performance of photon reconstruction and selection with the CMS detector at $\sqrt{s}=8$ TeV	EGM-14-001 ↗	-	19.6 fb-1	8 TeV	2014
Photon Performance Plots	CMS DP-2013/010 ↗	Twiki	19.6 fb-1	8 TeV	2013
Electron Performance Plots	CMS DP-2013/003 ↗	Twiki	19.6 fb-1	8 TeV	2013

Electron Reconstruction and Identification	CMS DP-2010/032	-	<35 pb-1	7 TeV	2010
Di-Electron resonances and Mass Spectra	CMS DP-2010/017	TWiki	<35 pb-1	7 TeV	2010

Notes, PAS and papers

- [EGM-17-001](#): Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC
- [EGM-18-001](#): Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions
- [EGM-10-003](#): Electromagnetic calorimeter calibration with 7 TeV data
- [EGM-10-005](#): Photon reconstruction and identification at $\sqrt{s} = 7$ TeV
- [CMS-NOTE-2010-012](#): Electromagnetic calorimeter commissioning and first results with 7 TeV data
- [EGM-10-001](#): Electromagnetic physics objects commissioning with first LHC data

Additional material

- Draft of final version plots for Jpsi, W and Z to electrons mass approved 2 June 2010 (for CMS) [EGMApprovedPlots_2Jun2010_Final.ppt](#)
- Draft of final version plots for Jpsi, W and Z to electrons mass approved 2 June 2010 (public version) [EGMApprovedPlotsPublic_2Jun2010_Final.ppt](#)

This topic: CMSPublic > PhysicsResultsEGM

Topic revision: r34 - 2021-04-08 - ShilpiJain



Copyright & © 2008-2021 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.
or Ideas, requests, problems regarding TWiki? use Discourse or Send feedback