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Egamma DB Tags for Run-3

Description: History and description of EGM tags in Run-3

Contacts

- **General:** AICa/DB conveners cms-ppd-conveners-alcadb@cern.ch
- **Egamma:** Egamma conveners (cms-phys-conveners-EGM) and the Egamma CMS Talk ([Egamma CMS Talk](#))
- **DB contact for TkAl:** Saumya Phor (saumya.saumya@cern.ch)

Run 2021-2022

EGM HLT supercluster regression tags

- **Description:**
- **FTV:** [FTV](#) requested
- **Updated in:** Updated in [MC](#) on 14 April, 2022. Updated in [\[\[https://cms-talk.web.cern.ch/t/hlt-updating-egm-hlt-supercluster-regression-tags-for-run-3-collisions/10060\]\]](https://cms-talk.web.cern.ch/t/hlt-updating-egm-hlt-supercluster-regression-tags-for-run-3-collisions/10060) on 4 May, 2022.
- **Other relevant details:** New multi-IOV tags had to be created. See [here](#).
- **Additional Comments:**
- **Tags:**

S.No	Rcd	Label	single-IOV tag
1)	<i>GBRDWrapperRcd</i>	<i>pfscecal_EBCorrection_online</i>	<i>pfscecal_EBCorrection_online_Run3_120X_v1</i>
2)	<i>GBRDWrapperRcd</i>	<i>pfscecal_EBUncertainty_online</i>	<i>pfscecal_EBUncertainty_online_Run3_120X_v1</i>
3)	<i>GBRDWrapperRcd</i>	<i>pfscecal_EECorrection_online</i>	<i>pfscecal_EECorrection_online_Run3_120X_v1</i>
4)	<i>GBRDWrapperRcd</i>	<i>pfscecal_EEUncertainty_online</i>	<i>pfscecal_EEUncertainty_online_Run3_120X_v1</i>

EGM offline regression tags

- **Description:**
- **FTV:** [FTV](#) requested here.
- **Updated in:** Updated in [\[https://cms-talk.web.cern.ch/t/mc-update-of-new-egm-regression-conditions/4637\]](https://cms-talk.web.cern.ch/t/mc-update-of-new-egm-regression-conditions/4637)[MC] finally on 1 Mar, 2022. Updated in [Express/Prompt](#) on 24 May, 2022. [MC](#) updated again for eta extended electrons on 12 May, 2022. Latest updates went into [Offline](#) conditions on 3 June, 2022.
- **Other relevant details:**
- **Additional Comments:**
- **Tags:**

S.No	Rcd	Label	single-IOV tag
1)	<i>GBRDWrapperRcd</i>	<i>electron_eb_ecalTrk_1To300_0p2To2_mean</i>	<i>electron_eb_ecalTrk_1To500_0p2To2_mean</i>
2)	<i>GBRDWrapperRcd</i>	<i>electron_ee_ecalTrk_1To300_0p2To2_mean</i>	<i>electron_ee_ecalTrk_1To500_0p2To2_mean</i>
3)	<i>GBRDWrapperRcd</i>	<i>electron_eb_ecalTrk_1To300_0p0002To0p5_sigma</i>	<i>electron_eb_ecalTrk_1To500_0p0002To0p5_sigma</i>
4)	<i>GBRDWrapperRcd</i>	<i>electron_ee_ecalTrk_1To300_0p0002To0p5_sigma</i>	<i>electron_ee_ecalTrk_1To500_0p0002To0p5_sigma</i>
5)	<i>GBRDWrapperRcd</i>	<i>photon_eb_ecalOnly_5To300_0p2To2_mean</i>	<i>photon_eb_ecalOnly_5To500_0p2To2_mean</i>
6)	<i>GBRDWrapperRcd</i>	<i>photon_ee_ecalOnly_5To300_0p2To2_mean</i>	<i>photon_ee_ecalOnly_5To500_0p2To2_mean</i>

7)	GBRDWrapperRcd	photon_eb_ecalOnly_5To300_0p0002To0p5_sigma	photon_eb_ecalOnly_5To500_0p000
8)	GBRDWrapperRcd	photon_ee_ecalOnly_5To300_0p0002To0p5_sigma	photon_ee_ecalOnly_5To500_0p000
9)	GBRDWrapperRcd	electron_eb_ecalOnly_1To300_0p2To2_mean	electron_eb_ecalOnly_1To500_0p2T
10)	GBRDWrapperRcd	electron_ee_ecalOnly_1To300_0p2To2_mean	electron_ee_ecalOnly_1To500_0p2T
11)	GBRDWrapperRcd	electron_eb_ecalOnly_1To300_0p0002To0p5_sigma	electron_eb_ecalOnly_1To500_0p00
12)	GBRDWrapperRcd	electron_ee_ecalOnly_1To300_0p0002To0p5_sigma	electron_ee_ecalOnly_1To500_0p00
13)	GBRDWrapperRcd	pfscecal_EBCorrection_offline_v2	pfscecal_EBCorrection_offline_v2_R
14)	GBRDWrapperRcd	pfscecal_EECorrection_offline_v2	pfscecal_EECorrection_offline_v2_R
15)	GBRDWrapperRcd	pfscecal_EBUncertainty_offline_v2	pfscecal_EBUncertainty_offline_v2_1
16)	GBRDWrapperRcd	pfscecal_EEUncertainty_offline_v2	pfscecal_EEUncertainty_offline_v2_1
17)	GBRDWrapperRcd	electron_eb_ECALonly	GEDelectron_EBCorrection_120X_E
18)	GBRDWrapperRcd	electron_eb_ECALonly_var	GEDelectron_EBUncertainty_120X_E
19)	GBRDWrapperRcd	electron_ee_ECALonly	GEDelectron_EECorrection_122X_E
20)	GBRDWrapperRcd	electron_ee_ECALonly_var	GEDelectron_EEUncertainty_122X_E
21)	GBRDWrapperRcd	photon_eb_ECALonly	GEDphoton_EBCorrection_120X_EC
22)	GBRDWrapperRcd	photon_eb_ECALonly_var	GEDphoton_EBUncertainty_120X_EC
23)	GBRDWrapperRcd	photon_ee_ECALonly	GEDphoton_EECorrection_120X_EC
24)	GBRDWrapperRcd	photon_ee_ECALonly_var	GEDphoton_EEUncertainty_120X_EC

PF Cluster Corrections

- **Description:** PF Cluster corrections derived for Run-3
- **FTV:** Requested [↗](#), JIRA [↗](#)
- **Updated in:** Updated in MC [↗](#) on 6 Dec, 2021. MC [↗](#), HLT/Express/Prompt [↗](#) from **Run 347532** on Feb 10, 2022. Updated in Offline [↗](#) for 900GeV ReReco on 7 Dec, 2021, effective from Run 339000 in order to be compatible with the last IOV of the PF RecHitThreshold *EcalPFRecHitThresholds_Run123_offline_v1*. Also updated for 900 GeV MC [↗](#) on Jan 10, 2022. Updated in HLT/Express/Prompt [↗](#) on Feb 6, 2021.
- **Other relevant details:** AICaDB [↗](#), Internal Validation 1 [↗](#), Internal Validation 2 [↗](#), Request Link1 for HLT/Express/Prompt [↗](#)
- **Additional Comments:** The tags for PF cluster corrections did not exist for HLT in the past. So the HLT tags were introduced via here [↗](#) and finally updated for Run-3 here [↗](#).
- **Tags:**

S.No.	Rcd	Label	single-IOV n
1)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EB_Full_ptbin1_mean_25ns	ecalPFClusterCorRun3_V0_EB
2)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EB_Full_ptbin1_sigma_25ns	ecalPFClusterCorRun3_V0_EB
3)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EB_Full_ptbin2_mean_25ns	ecalPFClusterCorRun3_V0_EB
4)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EB_Full_ptbin2_sigma_25ns	ecalPFClusterCorRun3_V0_EB
5)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EB_Full_ptbin3_mean_25ns	ecalPFClusterCorRun3_V0_EB
6)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EB_Full_ptbin3_sigma_25ns	ecalPFClusterCorRun3_V0_EB
7)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EB_ZS_mean_25ns	ecalPFClusterCorRun3_V0_EB
8)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EB_ZS_sigma_25ns	ecalPFClusterCorRun3_V0_EB
9)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EE_Full_ptbin1_mean_25ns	ecalPFClusterCorRun3_V0_EE
10)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EE_Full_ptbin1_sigma_25ns	ecalPFClusterCorRun3_V0_EE
11)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EE_Full_ptbin2_mean_25ns	ecalPFClusterCorRun3_V0_EE
12)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EE_Full_ptbin2_sigma_25ns	ecalPFClusterCorRun3_V0_EE
13)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EE_Full_ptbin3_mean_25ns	ecalPFClusterCorRun3_V0_EE
14)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EE_Full_ptbin3_sigma_25ns	ecalPFClusterCorRun3_V0_EE
15)	GBRDWrapperRcd	ecalPFClusterCor2017V2_EE_ZS_mean_25ns	ecalPFClusterCorRun3_V0_EE

16)	<i>GBRDWrapperRcd</i>	<i>ecalPFClusterCor2017V2_EE_ZS_sigma_25ns</i>	<i>ecalPFClusterCorRun3_V0_EE</i>
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-- SaumyaSaumya - 2022-08-12

This topic: Sandbox > EgammaDBconditionsRun3

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