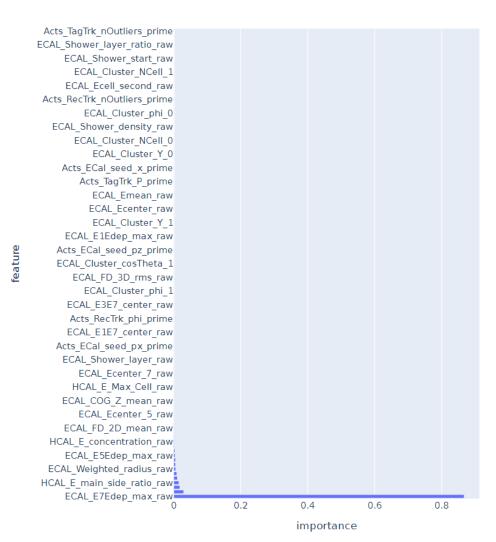
Importance Rank



Feature Importance for mAp 1 MeV



	1 feature,importance
	2 ECAL_E7Edep_max_raw,0.867254
	3 SideHCAL_E_total_raw,0.029621497
	4 ECAL_E_total_smear,0.018075129
	5 HCAL_E_main_side_ratio_raw,0.015194224
	6 HCAL_total_lighted_layer_raw,0.010780157
	7
	8 ECAL_Weighted_radius_raw,0.0059146797
	9 ECAL_Shower_radius_raw,0.0052791247
1	0 HCAL_E_total_raw,0.0051435055
1	_ ' '
1	2 ECAL_NHits_raw,0.0033141926
1	/
1	
1	5 ECAL_Hits_YWidth_raw,0.0011541457
1	6 HCAL_E_Max_layer_raw,0.0010096049
1	7 ECAL_FD_2D_mean_raw,0.00092078856
1	8 Acts_RecTrk_P_sub,0.00075625035
1	, ,
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3	6 HCAL_E_Min_Cell_raw,0.00038339876

Importance Rank

ECAL E7Edep max raw, 0.867254

SideHCAL E total raw, 0.029621497

ECAL E total smear, 0.018075129

ECAL E total raw, 0.008751812

HCAL E total raw, 0.0051435055

ECAL NHits raw, 0.0033141926

ECAL E5Edep max raw, 0.003824029

HCAL total length raw, 0.0020608671

ECAL Hits YWidth raw, 0.0011541457

HCAL E Max layer raw, 0.0010096049

ECAL FD 2D mean raw, 0.00092078856

Acts_RecTrk_P_sub, 0.00075625035

ECAL_Ecenter 5 raw,0.00061188685

Acts_RecTrk_P_diff,0.0005825615

ECAL_FD_2D_rms_raw,0.000559389

ECAL Cluster E 1,0.00054930727

Acts TagTrk No,0.00053229375

Acts_RecTrk_No,0.0005223584

HCAL E Max Cell raw, 0.0005390044

ECAL_Ecenter_7_raw, 0.00051275163

ECAL Cluster Z 0,0.0003912637

Acts RecTrk theta prime, 0.0005043347

ECAL Cluster Width Y 0,0.00043355473

ECAL_Shower_layer_raw, 0.00039602534

Acts ECal seed py prime, 0.00039452812

Acts_ECal_seed_px_prime,0.00038403133

HCAL E Min Cell raw, 0.00038339876

ECAL Ecell max 7 raw, 0.0005956808

ECAL COG Z mean raw, 0.00056587445

HCAL E concentration raw, 0.0020334644

HCAL_E_Max_layer_num_raw,0.0007492049

feature, importance

1MeV

HCAL E main side ratio raw, 0.015194224

ECAL Weighted radius raw, 0.0059146797

ECAL_Shower_radius_raw,0.0052791247

HCAL total lighted layer raw, 0.010780157



7 HCAL_E_main_side_ratio_raw,0.016096456 8 ECAL Weighted radius raw,0.010393344

9 ECAL_NHits_raw,0.0060212975

LO ECAL_Ecell_max_7_raw,0.0052348957

11 HCAL_E_total_raw,0.0035826422

12 ECAL_Ecenter_7_raw,0.0014624783

HCAL_total_length_raw,0.001245447

4 HCAL_E_concentration_raw,0.00081523304

L5 ECAL_Cluster_Width_Z_0,0.0006920775

16 HCAL_E_Min_Cell_raw,0.00065420184

17 ECAL Cluster N,0.00059144484

18 ECAL Ecell max 3 raw, 0.0005470298

19 HCAL_E_Max_Cell_raw,0.0004370074

20 Acts RecTrk P sub,0.00038469836

21 ECAL COG Z mean raw, 0.00038058768

22 Acts_RecTrk P prime,0.00034323792

22 Acts_RecTrk_P_prime,0.00034323/92

3 ECAL_E1E7_center_raw,0.00034217437

24 ECAL_Ecell_max_5_raw,0.0003355846

Acts_ECal_seed_px_prime,0.00032409184

26 ECAL_Cluster_Width_Y_0,0.0003195033

ECAL_Shower_radius_raw,0.0003173432

28 ECAL_Cluster_Width_X_0,0.00030433756

29 ECAL_Hits_ZDepth_raw,0.00029116852

30 ECAL_Cluster_Y_1,0.0002723308

31 ECAL_Hits_YWidth_raw,0.0002642196

2 Acts_TagTrk_No,0.00025682655

33 SideHCAL_E_Max_Cell_raw,0.0002562526

ECAL_Cluster_E_1,0.00025366305

35 ECAL_FD_2D_rms_raw,0.0002251188

36 ECAL_E3E7_center_raw,0.0002195474



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100MeV

- feature,importance
 HCAL total lighted layer raw,0.5882824
- 3 ECAL_E7Edep_max_raw,0.16326407
- 4 ECAL_Weighted_radius_raw,0.15162869
- ECAL E total raw, 0.047440104
- 6 SideHCAL_E_total_raw,0.0121311955
- 7 ECAL NHits raw, 0.0110437665
- 8 ECAL E total smear, 0.0041648
- 9 ECAL_Ecell_max_3_raw,0.0014174898
- 0 ECAL_Cluster_N,0.0013051808
- 1 HCAL_E_total_raw,0.0011877057
- 12 HCAL_E_Max_layer_raw,0.0011509887
- 13 HCAL E Min Cell raw, 0.0007629429
- 14 Acts RecTrk P sub,0.0007280787
- 15 HCAL_total_length_raw, 0.00069032516
- 16 Acts_missingP,0.0006416432
- 17 Acts RecTrk P prime, 0.0006128324
- 18 ECAL_Cluster_E_1,0.0006058929
- 19 ECAL_Cluster_Width_Y_0,0.00044706865
- 20 ECAL_Ecenter_7_raw,0.00041876652
- 21 ECAL_Shower_radius_raw,0.0004179439
- 22 ECAL_Cluster_Z_0,0.00039421066
- 23 SideHCAL_E_Max_Cell_raw,0.000369658
- HCAL E concentration raw, 0.00036548695
- 25 ECAL FD 2D mean raw, 0.00036276045
- 26 ECAL_Ecell_max_5_raw,0.00033778907
- 27 ECAL_COG_Z_mean_raw,0.0003313303
- 28 ECAL_Hits_ZDepth_raw,0.00029168252
- 29 Acts_RecTrk_theta_prime,0.00029104028
- BO ECAL_Cluster_Width_X_0,0.0002908905
- 31 ECAL_Cluster_phi_1,0.00028638614
- 32 ECAL_E5Edep_max_raw,0.00028243999
- 33 HCAL_E_Max_Cell_raw, 0.00027411172
- 34 ECAL_Cluster_X_1,0.00025789975
- 35 Acts_ECal_seed_py_prime,0.0002576249
- 36 HCAL_E_Max_layer_num_raw,0.00024790032