

# MET Filters efficiency

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Filter	Prompt A	Prompt B	Prompt C	Prompt D	Parked B	Parked C	Parked D
HBHENoiseFilter	22.900905	22.527028	24.197981	21.830762	0.190670	0.187739	0.170753
EcalDeadCellTriggerPrimitiveFilter	0.375381	2.106058	2.122628	0.838167	0.009300	0.010206	0.012526
eeBadScFilter	0.007852	0.002690	0.000087	0.001883	0.000001	0.000000	0.000009
trackingFailureFilter	3.073876	1.147820	1.638249	1.723157	0.000328	0.007464	0.000290
manystripclus53X	0.001829	0.004350	0.007730	0.005510	0.001319	0.002335	0.001327
toomanystripclus53X	0.000484	0.001765	0.003141	0.001732	0.001149	0.002006	0.001173
logErrorTooManyClusters	0.000027	0.000190	0.000379	0.000102	0.000009	0.000021	0.000016
CSTightHaloFilter	10.263068	7.792489	6.133730	8.346904	0.398497	0.402936	0.508025
Total	28.501208	28.317395	28.978159	26.047078	0.598417	0.601999	0.689380

- At least one good vertex (this is required by the trackingFailureFilter anyway)
- L1T ETM  $\geq 40$  GeV
- HLT path filter
  - From run 190456 to 193621 (Run 2012 A) use HLT\_DiPFJet40\_PFMETnoMu65\_MJJ800VBF\_AllJets\*
  - From run 193833 to 196531 (Run 2012 B) use HLT\_DiJet35\_MJJ700\_AllJets\_DEta3p5\_VBF\*
  - From run 198022 to 203742 (Run 2012 C) use HLT\_DiJet35\_MJJ700\_AllJets\_DEta3p5\_VBF\*
  - From run 203777 to 208686 (Run 2012 D) use HLT\_DiJet30\_MJJ700\_AllJets\_DEta3p5\_VBF\*

Filter	Prompt A	Prompt B	Prompt C	Prompt D	Parked B	Parked C	Parked D
CSCtHaloFilter	0.400431	0.470900	0.464342	0.569372	0.397531	0.403156	0.506917
EcalDeadCellTriggerPrimitiveFilter	0.572468	0.484952	0.497310	0.323193	0.010081	0.010338	0.010725
HBHENoiseFilter	1.264571	0.818385	1.705594	0.488496	0.186895	0.178422	0.154080
eeBadScFilter	0.000989	0.000153	0.000000	0.000000	0.000001	0.000000	0.000000
logErrorTooManyClusters	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
manystripclus53X	0.002966	0.001222	0.002530	0.001420	0.001264	0.002304	0.001255
toomanystripclus53X	0.002966	0.001069	0.002445	0.001332	0.001093	0.001955	0.001103
trackingFailureFilter	0.062289	0.013899	1.102885	0.000710	0.000401	0.009729	0.000231
Total	2.201877	1.727498	2.627194	1.337206	0.594332	0.592977	0.671026