Seeded Cone R=0.7 Jet Finder					
Variable Name	Type	Truth	Tower	TopoCluster	Calibrated TopoCluster
#jets	UInt_t	jetNum_C7Truth;	jetNum_C7Tower;	jetNum_C7Clus;	jetNum_C7CalClus;
pseudorapidity	vector<double>*	jetEta_C7Truth;	jetEta_C7Tower;	jetEta_C7Clus;	jetEta_C7CalClus;
azimuth	vector<double>*	jetPhi_C7Truth;	jetPhi_C7Tower;	jetPhi_C7Clus;	jetPhi_C7CalClus;
energy	vector<double>*	jetE_C7Truth;	jetE_C7Tower;	jetE_C7Clus;	jetE_C7CalClus;
transverse energy	vector<double>*	jetEt_C7Truth;	jetEt_C7Tower;	jetEt_C7Clus;	jetEt_C7CalClus;
mass	vector<double>*	jetM_C7Truth;	jetM_C7Tower;	jetM_C7Clus;	jetM_C7CalClus;
Px	vector<double>*	jetPx_C7Truth;	jetPx_C7Tower;	jetPx_C7Clus;	jetPx_C7CalClus;
Py	vector<double>*	jetPy_C7Truth;	jetPy_C7Tower;	jetPy_C7Clus;	jetPy_C7CalClus;
Pz	vector<double>*	jetPz_C7Truth;	jetPz_C7Tower;	jetPz_C7Clus;	jetPz_C7CalClus;
number of constituents	vector<long>*	jetSize_C7Truth;	jetSize_C7Tower;	jetSize_C7Clus;	jetSize_C7CalClus;
electromagnetic energy fraction	vector<double>*	jetEmf_C7Truth;	jetEmf_C7Tower;	jetEmf_C7Clus;	jetEmf_C7CalClus;
constituent final energy	vector<vector<double>>*	jetCEf_C7Truth;	jetCEf_C7Tower;	jetCEf_C7Clus;	jetCEf_C7CalClus;
constituent final Px	vector<vector<double>>*	jetCEPxf_C7Truth;	jetCEPxf_C7Tower;	jetCEPxf_C7Clus;	jetCEPxf_C7CalClus;
constituent final Py	vector<vector<double>>*	jetCEPyf_C7Truth;	jetCEPyf_C7Tower;	jetCEPyf_C7Clus;	jetCEPyf_C7CalClus;
constituent final Pz	vector<vector<double>>*	jetCEPzf_C7Truth;	jetCEPzf_C7Tower;	jetCEPzf_C7Clus;	jetCEPzf_C7CalClus;
constituent final pseudorapidity	vector<vector<double>>*	jetCEtaf_C7Truth;	jetCEtaf_C7Tower;	jetCEtaf_C7Clus;	jetCEtaf_C7CalClus;
constituent final azimuth	vector<vector<double>>*	jetCPhif_C7Truth;	jetCPhif_C7Tower;	jetCPhif_C7Clus;	jetCPhif_C7CalClus;
constituent final kinematic weight	vector<vector<double>>*	jetCWf_C7Truth;	jetCWf_C7Tower;	jetCWf_C7Clus;	jetCWf_C7CalClus;
constituent reference	vector<vector<double>>*	jetCRef_C7Truth;	jetCRef_C7Tower;	jetCRef_C7Clus;	jetCRef_C7CalClus;
constituent raw energy	vector<vector<double>>*			C7ClusjetCluEi;	C7CalClusjetCluEi;
constituent cluster tag	vector<vector<double>>*			C7ClusjetCluTag;	C7CalClusjetCluTag;
constituent cluster center X	vector<vector<double>>*			C7ClusjetCluXi;	C7CalClusjetCluXi;
constituent cluster center Y	vector<vector<double>>*			C7ClusjetCluYi;	C7CalClusjetCluYi;
constituent cluster center Z	vector<vector<double>>*			C7ClusjetCluZi;	C7CalClusjetCluZi;
constituent electromagnetic fraction raw	vector<vector<double>>*			C7ClusjetCluFemi;	C7CalClusjetCluFemi;
constituent electromagnetic fraction final	vector<vector<double>>*			C7ClusjetCluFemf;	C7CalClusjetCluFemf;

Seeded Cone R=0.4 Jet Finder					
Variable Name	Type	Truth	Tower	TopoCluster	Calibrated TopoCluster
#jets	UInt_t	jetNum_C4Truth;	jetNum_C4Tower;	jetNum_C4Clus;	jetNum_C4CalClus;
pseudorapidity	vector<double>*	jetEta_C4Truth;	jetEta_C4Tower;	jetEta_C4Clus;	jetEta_C4CalClus;
azimuth	vector<double>*	jetPhi_C4Truth;	jetPhi_C4Tower;	jetPhi_C4Clus;	jetPhi_C4CalClus;
energy	vector<double>*	jetE_C4Truth;	jetE_C4Tower;	jetE_C4Clus;	jetE_C4CalClus;
transverse energy	vector<double>*	jetEt_C4Truth;	jetEt_C4Tower;	jetEt_C4Clus;	jetEt_C4CalClus;
mass	vector<double>*	jetM_C4Truth;	jetM_C4Tower;	jetM_C4Clus;	jetM_C4CalClus;
Px	vector<double>*	jetPx_C4Truth;	jetPx_C4Tower;	jetPx_C4Clus;	jetPx_C4CalClus;
Py	vector<double>*	jetPy_C4Truth;	jetPy_C4Tower;	jetPy_C4Clus;	jetPy_C4CalClus;
Pz	vector<double>*	jetPz_C4Truth;	jetPz_C4Tower;	jetPz_C4Clus;	jetPz_C4CalClus;
number of constituents	vector<long>*	jetSize_C4Truth;	jetSize_C4Tower;	jetSize_C4Clus;	jetSize_C4CalClus;
electromagnetic energy fraction	vector<double>*	jetEmf_C4Truth;	jetEmf_C4Tower;	jetEmf_C4Clus;	jetEmf_C4CalClus;
constituent final energy	vector<vector<double>>*	jetCEf_C4Truth;	jetCEf_C4Tower;	jetCEf_C4Clus;	jetCEf_C4CalClus;
constituent final Px	vector<vector<double>>*	jetCEPxf_C4Truth;	jetCEPxf_C4Tower;	jetCEPxf_C4Clus;	jetCEPxf_C4CalClus;
constituent final Py	vector<vector<double>>*	jetCEPyf_C4Truth;	jetCEPyf_C4Tower;	jetCEPyf_C4Clus;	jetCEPyf_C4CalClus;
constituent final Pz	vector<vector<double>>*	jetCEPzf_C4Truth;	jetCEPzf_C4Tower;	jetCEPzf_C4Clus;	jetCEPzf_C4CalClus;
constituent final pseudorapidity	vector<vector<double>>*	jetCEtaf_C4Truth;	jetCEtaf_C4Tower;	jetCEtaf_C4Clus;	jetCEtaf_C4CalClus;
constituent final azimuth	vector<vector<double>>*	jetCPhif_C4Truth;	jetCPhif_C4Tower;	jetCPhif_C4Clus;	jetCPhif_C4CalClus;
constituent final kinematic weight	vector<vector<double>>*	jetCWf_C4Truth;	jetCWf_C4Tower;	jetCWf_C4Clus;	jetCWf_C4CalClus;
constituent reference	vector<vector<double>>*	jetCRef_C4Truth;	jetCRef_C4Tower;	jetCRef_C4Clus;	jetCRef_C4CalClus;
constituent raw energy	vector<vector<double>>*			C4ClusjetCluEi;	C4CalClusjetCluEi;
constituent cluster tag	vector<vector<double>>*			C4ClusjetCluTag;	C4CalClusjetCluTag;
constituent cluster center X	vector<vector<double>>*			C4ClusjetCluXi;	C4CalClusjetCluXi;
constituent cluster center Y	vector<vector<double>>*			C4ClusjetCluYi;	C4CalClusjetCluYi;
constituent cluster center Z	vector<vector<double>>*			C4ClusjetCluZi;	C4CalClusjetCluZi;
constituent electromagnetic fraction raw	vector<vector<double>>*			C4ClusjetCluFemi;	C4CalClusjetCluFemi;
constituent electromagnetic fraction final	vector<vector<double>>*			C4ClusjetCluFemf;	C4CalClusjetCluFemf;

Kt D=0.6 Jet Finder					
Variable Name	Type	Truth	Tower	TopoCluster	Calibrated TopoCluster
#jets	*UInt_t*	*jetNum_Kt6Truth;*	*jetNum_Kt6Tower;*	*jetNum_Kt6Clus;*	*jetNum_Kt6CalClus;*
pseudorapidity	*vector<double>**	*jetEta_Kt6Truth;*	*jetEta_Kt6Tower;*	*jetEta_Kt6Clus;*	*jetEta_Kt6CalClus;*
azimuth	*vector<double>**	*jetPhi_Kt6Truth;*	*jetPhi_Kt6Tower;*	*jetPhi_Kt6Clus;*	*jetPhi_Kt6CalClus;*
energy	*vector<double>**	*jetE_Kt6Truth;*	*jetE_Kt6Tower;*	*jetE_Kt6Clus;*	*jetE_Kt6CalClus;*
transverse energy	*vector<double>**	*jetEt_Kt6Truth;*	*jetEt_Kt6Tower;*	*jetEt_Kt6Clus;*	*jetEt_Kt6CalClus;*
mass	*vector<double>**	*jetM_Kt6Truth;*	*jetM_Kt6Tower;*	*jetM_Kt6Clus;*	*jetM_Kt6CalClus;*
Px	*vector<double>**	*jetPx_Kt6Truth;*	*jetPx_Kt6Tower;*	*jetPx_Kt6Clus;*	*jetPx_Kt6CalClus;*
Py	*vector<double>**	*jetPy_Kt6Truth;*	*jetPy_Kt6Tower;*	*jetPy_Kt6Clus;*	*jetPy_Kt6CalClus;*
Pz	*vector<double>**	*jetPz_Kt6Truth;*	*jetPz_Kt6Tower;*	*jetPz_Kt6Clus;*	*jetPz_Kt6CalClus;*
number of constituents	*vector<long>**	*jetSize_Kt6Truth;*	*jetSize_Kt6Tower;*	*jetSize_Kt6Clus;*	*jetSize_Kt6CalClus;*
electromagnetic energy fraction	*vector<double>**	*jetEmf_Kt6Truth;*	*jetEmf_Kt6Tower;*	*jetEmf_Kt6Clus;*	*jetEmf_Kt6CalClus;*
constituent final energy	*vector<vector<double>>**	*jetCEf_Kt6Truth;*	*jetCEf_Kt6Tower;*	*jetCEf_Kt6Clus;*	*jetCEf_Kt6CalClus;*
constituent final Px	*vector<vector<double>>**	*jetCEPxf_Kt6Truth;*	*jetCEPxf_Kt6Tower;*	*jetCEPxf_Kt6Clus;*	*jetCEPxf_Kt6CalClus;*
constituent final Py	*vector<vector<double>>**	*jetCEPyf_Kt6Truth;*	*jetCEPyf_Kt6Tower;*	*jetCEPyf_Kt6Clus;*	*jetCEPyf_Kt6CalClus;*
constituent final Pz	*vector<vector<double>>**	*jetCEPzf_Kt6Truth;*	*jetCEPzf_Kt6Tower;*	*jetCEPzf_Kt6Clus;*	*jetCEPzf_Kt6CalClus;*
constituent final pseudorapidity	*vector<vector<double>>**	*jetCEtaf_Kt6Truth;*	*jetCEtaf_Kt6Tower;*	*jetCEtaf_Kt6Clus;*	*jetCEtaf_Kt6CalClus;*
constituent final azimuth	*vector<vector<double>>**	*jetCPhif_Kt6Truth;*	*jetCPhif_Kt6Tower;*	*jetCPhif_Kt6Clus;*	*jetCPhif_Kt6CalClus;*
constituent final kinematic weight	*vector<vector<double>>**	*jetCWf_Kt6Truth;*	*jetCWf_Kt6Tower;*	*jetCWf_Kt6Clus;*	*jetCWf_Kt6CalClus;*
constituent reference	*vector<vector<double>>**	*jetCRef_Kt6Truth;*	*jetCRef_Kt6Tower;*	*jetCRef_Kt6Clus;*	*jetCRef_Kt6CalClus;*
constituent raw energy	*vector<vector<double>>**			*Kt6ClusjetCluEi;*	*Kt6CalClusjetCluEi;*
constituent cluster tag	*vector<vector<double>>**			*Kt6ClusjetCluTag;*	*Kt6CalClusjetCluTag;*
constituent cluster center X	*vector<vector<double>>**			*Kt6ClusjetCluXi;*	*Kt6CalClusjetCluXi;*
constituent cluster center Y	*vector<vector<double>>**			*Kt6ClusjetCluYi;*	*Kt6CalClusjetCluYi;*
constituent cluster center Z	*vector<vector<double>>**			*Kt6ClusjetCluZi;*	*Kt6CalClusjetCluZi;*
constituent electromagnetic fraction raw	*vector<vector<double>>**			*Kt6ClusjetCluFemi;*	*Kt6CalClusjetCluFemi;*
constituent electromagnetic fraction final	*vector<vector<double>>**			*Kt6ClusjetCluFemf;*	*Kt6CalClusjetCluFemf;*

Kt D=0.4 Jet Finder					
Variable Name	Type	Truth	Tower	TopoCluster	Calibrated TopoCluster
#jets	UInt_t	jetNum_Kt4Truth;	jetNum_Kt4Tower;	jetNum_Kt4Clus;	jetNum_Kt4CalClus;
pseudorapidity	vector<double>*	jetEta_Kt4Truth;	jetEta_Kt4Tower;	jetEta_Kt4Clus;	jetEta_Kt4CalClus;
azimuth	vector<double>*	jetPhi_Kt4Truth;	jetPhi_Kt4Tower;	jetPhi_Kt4Clus;	jetPhi_Kt4CalClus;
energy	vector<double>*	jetE_Kt4Truth;	jetE_Kt4Tower;	jetE_Kt4Clus;	jetE_Kt4CalClus;
transverse energy	vector<double>*	jetEt_Kt4Truth;	jetEt_Kt4Tower;	jetEt_Kt4Clus;	jetEt_Kt4CalClus;
mass	vector<double>*	jetM_Kt4Truth;	jetM_Kt4Tower;	jetM_Kt4Clus;	jetM_Kt4CalClus;
Px	vector<double>*	jetPx_Kt4Truth;	jetPx_Kt4Tower;	jetPx_Kt4Clus;	jetPx_Kt4CalClus;
Py	vector<double>*	jetPy_Kt4Truth;	jetPy_Kt4Tower;	jetPy_Kt4Clus;	jetPy_Kt4CalClus;
Pz	vector<double>*	jetPz_Kt4Truth;	jetPz_Kt4Tower;	jetPz_Kt4Clus;	jetPz_Kt4CalClus;
number of constituents	vector<long>*	jetSize_Kt4Truth;	jetSize_Kt4Tower;	jetSize_Kt4Clus;	jetSize_Kt4CalClus;
electromagnetic energy fraction	vector<double>*	jetEmf_Kt4Truth;	jetEmf_Kt4Tower;	jetEmf_Kt4Clus;	jetEmf_Kt4CalClus;
constituent final energy	vector<vector<double>>*	jetCEf_Kt4Truth;	jetCEf_Kt4Tower;	jetCEf_Kt4Clus;	jetCEf_Kt4CalClus;
constituent final Px	vector<vector<double>>*	jetCEPxf_Kt4Truth;	jetCEPxf_Kt4Tower;	jetCEPxf_Kt4Clus;	jetCEPxf_Kt4CalClus;
constituent final Py	vector<vector<double>>*	jetCEPyf_Kt4Truth;	jetCEPyf_Kt4Tower;	jetCEPyf_Kt4Clus;	jetCEPyf_Kt4CalClus;
constituent final Pz	vector<vector<double>>*	jetCEPzf_Kt4Truth;	jetCEPzf_Kt4Tower;	jetCEPzf_Kt4Clus;	jetCEPzf_Kt4CalClus;
constituent final pseudorapidity	vector<vector<double>>*	jetCEtaf_Kt4Truth;	jetCEtaf_Kt4Tower;	jetCEtaf_Kt4Clus;	jetCEtaf_Kt4CalClus;
constituent final azimuth	vector<vector<double>>*	jetCPhif_Kt4Truth;	jetCPhif_Kt4Tower;	jetCPhif_Kt4Clus;	jetCPhif_Kt4CalClus;
constituent final kinematic weight	vector<vector<double>>*	jetCWf_Kt4Truth;	jetCWf_Kt4Tower;	jetCWf_Kt4Clus;	jetCWf_Kt4CalClus;
constituent reference	vector<vector<double>>*	jetCRef_Kt4Truth;	jetCRef_Kt4Tower;	jetCRef_Kt4Clus;	jetCRef_Kt4CalClus;
constituent raw energy	vector<vector<double>>*			Kt4ClusjetCluEi;	Kt4CalClusjetCluEi;
constituent cluster tag	vector<vector<double>>*			Kt4ClusjetCluTag;	Kt4CalClusjetCluTag;
constituent cluster center X	vector<vector<double>>*			Kt4ClusjetCluXi;	Kt4CalClusjetCluXi;
constituent cluster center Y	vector<vector<double>>*			Kt4ClusjetCluYi;	Kt4CalClusjetCluYi;
constituent cluster center Z	vector<vector<double>>*			Kt4ClusjetCluZi;	Kt4CalClusjetCluZi;
constituent electromagnetic fraction raw	vector<vector<double>>*			Kt4ClusjetCluFemi;	Kt4CalClusjetCluFemi;
constituent electromagnetic fraction final	vector<vector<double>>*			Kt4ClusjetCluFemf;	Kt4CalClusjetCluFemf;