

Event Reconstruction Drivers



Obsolete Page

Replaced by [Physics Reconstruction Documentation](#)

This page is meant to give a rundown of the current default reconstruction steering file, which is:

`org.hps.steering.recon.EngRun2015FullRecon.lcsim`

The table below lists all drivers executed in the steering file, the maintainer of the driver, and a brief description. In addition, there is a link to detailed documentation for each driver. Please note that the "Driver Name" given here is the name referred to in the "execute" block of the steering file and is not necessarily the name of the driver class.

Driver Name	Maintainer	Brief Description
EventMarkerDriver	Jeremy McCormick	spits out a message every given number of events
RawTrackerHitSensorSetup	Omar Moreno	sets up the SVT sensor objects
RawTrackerHitFitterDriver	Sho Uemura	performs ADC vs time hits to the raw SVT strip hits
TrackerHitDriver	Omar Moreno	makes clusters of SVT strip hits
HelicalTrackHitDriver	Matt Graham	makes 3d hits from stereo pairs of SVT hits
TrackerReconDriver	Matt Graham	performs track finding & fitting using 3d SVT hits
EcalRunningPedestal	Nathan Baltzell	calculates running average of the ECAL pedestal based on the previous events
EcalRawConverter	Nathan Baltzell	computes the energy & time for ECAL hits
ReconClusterer	Holly Vance	makes ECAL clusters for analysis use
GTPOnlineClusterer	Kyle McCarty	makes ECAL clusters in the style of the GTP (for trigger studies)
CopyCluster	Jeremy McCormick	makes a copy of the reconstructed ECAL cluster collection
ReconParticle	Omar Moreno	make analysis-level particles (track+clusters) & vertex objects
TrackDataDriver	Omar Moreno	add miscellaneous track information to the event
LCIOWriter	Jeremy McCormick	write the event, with all added collections to lcio file
CleanupDriver	Jeremy McCormick	wipe out some collections before running over the next event