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MarlinTPC User Workbook

Introduction

- The LCIO Persistency Framework
- The Marlin Analysis and Reconstruction Framework
- MarlinTPC

Getting Started

- Getting MarlinTPC
- Compiling MarlinTPC
- Generating the Doxygen documentation
- Tutorial
- Example Steering Files

Running MarlinTPC

Available Processors

Digitisation:

- ChargeDistributionProcessor.h
- DriftProcessor.h
- GEMProcessor.h
- InhEFieldCalculationProcessor.h
- IonsInVoxelsProcessor.h
- TPCElectronicsProcessor.h

Reconstruction:

- ChannelMapperProcessor.h
- CountsToPrimaryElectronsProcessor.h
- GainCorrectorProcessor.h
- HitTrackFinderTopoProcessor.h
- LinearRegressionProcessor.h
- PedestalSubtractorProcessor.h
- PulseFinderProcessor.h
- TimePixClusterFinderProcessor.h
- TimePixClusterProjectionSeparatorProcessor.h
- TimePixHighTOTAnalyserProcessor.h
- TimePixHitCenterCalculatorProcessor.h
- TimePixHitSorterProcessor.h
- TimePixZeroSuppressionProcessor.h
- TimeShiftCorrectorProcessor.h
- TrackerRawDataToDataConverterProcessor.h
- TrackFinderHoughTrafoProcessor.h
- TrackFinderRectangularProcessor.h
- TrackFitterLikelihoodProcessor.h
- TrackSeederProcessor.h

Simulation

- PrimaryIonisationProcessor.h

Tools

- `AidaPerEventCommitterProcessor.h`
- `TPCHitToTrackerDataConverterProcessor.h`

Validation

- `DumpHitsInTracksProcessor.h`
- `DumpPadCentresProcessor.h`

-- MartinKillenberg - 14 Feb 2008

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