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RICH Software Manual

NOTE : THESE PAGES ARE UNDER CONSTRUCTION

Introduction

These pages provide a software manual for the LHCb RICH sub detector.

Obsolete Software Pages

For details on older software releases, please refer to the old pages available [here](#).

Software Packages

Like all Gaudi and LHCb specific packages, the RICH code is partitioned into separate CMT packages. A brief description of the various RICH packages and relationships between them can be found [here](#).

Kernel Packages

Kernel packages are those that contain low level, generally simple, utility classes and header files used by other higher level package. See [here](#) for details on the Kernel packages of relevance to the RICH software.

Rich Event Model

The RICH Event Model package contains the classes used to define the persistent data object for the RICH system.

RICH Detector Packages

The package RichDet provides the C++ representation of the RICH detector description.

RICH Ring Finding Packages

The package RichRecTemplateRings finds the Cherenkov Rings on the detector planes of the RICH detectors.

Common Software Components

Simulation Software

Digitisation Simulation

The simulation of the HPDs is described in the RICH digitisation simulation page.

DAQ Simulation

Reconstruction Software

Common Components

HLT Specific

Offline Specific

Visualisation Software

Tips for Running the Various Software Packages

Gauss

Boole

Brunel

Panoramix

Standalone RICH Reconstruction :

Managing a Private POOL Catalogue

ChrisRJones - 12 Jul 2005

Main.wilkins - 18 Jul 2005

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