

# Table of Contents

<b>LHCb RICH Performance.....</b>	<b>1</b>
Introduction.....	1
RICH PID Performance Presentations.....	1
DC03 (Re-Optimisation TDR).....	1
Geant4 Validation and Comparisons to SICBMC.....	1
DC04.....	1
RTTC Data (2005).....	1
DC06.....	1
RICH Particle ID Performance Figures.....	1
Brunel Development Version v30rX Series : Development tracking and PID version. Do not use for official results.....	1
Brunel Development Version v27r3.....	1
RTTC 2005 Performance.....	2
DC04 Performance.....	2
DC03 TDR Performance.....	2
Rich TDR.....	2
Related Links.....	2

# LHCb RICH Performance

## Introduction

This page contains some standard RICH performance data for the various simulation and reconstruction software versions.

## RICH PID Performance Presentations

### DC03 (Re-Optimisation TDR)

- DC03 Performance : See Reoptimisation TDR [↗](#)

### Geant4 Validation and Comparisions to SICBMC

*Wondering what SICBMC is ? See here [↗](#) for historical details*

- Preliminary comparison of SICB and Geant4 simulations
  - ◆ RICH Software meeting 27/11/2003 : <http://agenda.cern.ch/fullAgenda.php?ida=a036329> [↗](#)

### DC04

- Comparisons of DC04 production to Light TDR (DC03) :-
  - ◆ RICH Software meeting 24/05/2004 : <http://agenda.cern.ch/fullAgenda.php?ida=a042002> [↗](#)
  - ◆ RICH Group meeting 25/05/2004 : <http://agenda.cern.ch/fullAgenda.php?ida=a041981> [↗](#)

### RTTC Data (2005)

- Comparison of RTTC performance to DC04, various preliminary robustness studies and the presentation of a new software tuning for improved RICH processing time :-
  - ◆ Global Particle ID meeting 07/07/2005 : <http://agenda.cern.ch/fullAgenda.php?ida=a053770> [↗](#)

### DC06

- Presentation of simulation settings :-
  - ◆ Rich Software meeting 29/11/2005 : <http://agenda.cern.ch/fullAgenda.php?ida=a057482#2005-11-29> [↗](#)

## RICH Particle ID Performance Figures

The following links give data for the RICH performance in the various productions, the most recent (and thus the most up to date) productions listed first :-

**Brunel Development Version v30rX Series : Development tracking and PID version. Do not use for official results.**

**Brunel Development Version v27r3**

## RTTC 2005 Performance

## DC04 Performance

## DC03 TDR Performance

## Rich TDR [↗](#)

## Related Links

- See the LHCb Global Particle ID pages for details on the overall LHCB PID performance, combining data from all sub-detectors.

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