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ATLAS B-Physics Working Group %CERTIFY%

Convenors: Maria Smizanska, Samira Hassani

We are preparing a wide range of measurements for both the initial and advanced phases of the LHC. In the initial period we will concentrate on beauty production to provide tests of QCD, B-hadronic physics: measurements of lifetimes, masses and polarization. With increasing luminosity we plan high precision measurements of mixing and CP violation in B decays and the investigation of a wide class of so called rare B-decays for testing signatures of new Physics.

What is going on

Meetings [↗](#)

B Physics Analysis [NEW](#)

People and Topics

Who is doing what?

Publications

CSC B Physics Chapter (coming soon)

Communications in CDS [↗](#)

Notes in CDS [↗](#)

Scientific Notes in CDS [↗](#)

Yellow Books with B Physics contributions

Physics TDR B Physics chapter [↗](#)



Mailing List

Archive for atlas-phys-beauty [↗](#)

Software Tools

B-events Generators

B-physics analyses & vertexing

List of consultants for newcomers

Grid Tools for B Physics

B-Physics Trigger

B-trigger group page

Trigger Menus [NEW](#)

B-Physics validations - performance

Continuous B validation

Onia and B Physics performance studies [NEW](#)

B Physics Inner Detector performance [NEW](#)

B-Physics production - events

Cross sections of bb channels

Mass Production 2008 [NEW](#)

CSC Production

Complete list (including older productions)

FDR2 - Muon stream [↗](#) [NEW](#)

FDR2 - B-physics stream [↗](#) [NEW](#)

%RESPONSIBLE% MariaSmizanska, PatrickJussel

%REVIEW%

This topic: Main > BPhysTemp

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