

# Table of Contents

<b>Muon Alignment.....</b>	<b>1</b>
Links to past presentations.....	1
Software.....	1

# Muon Alignment

## Links to past presentations

- Muon detector spatial alignment with 2016 collision data - Stefania Vecchi - June, 6th 2016
- Muon detector spatial alignment for the Upgrade - Stefania Vecchi - November, 16th 2017
- WP4: Alignment and Calibration - 91st LHCb Week RTA parallel session [↗](#) - Stefania Vecchi - March, 4th 2019

## Software

Name	Package	description	author/maintainer
BestMuonTracks	Alignment/TAlignment	python script to select muon tracks to be used for alignment	Stefania/Peter&Stefania
MakeMuonTracks	Alignment/AlignmentTrTools	prepares Muon LHCbTrack segments to be matched with long tracks	Stefania/
MuonNNetRec	Rec/Muon/MuonTrackRec	stand-alone algorithm that finds muon track among clusters (flexible)	Giacomo G.
MuonHitDecode	Rec/Muon/MuonTrackRec	decoding of hits (General)	?? / ??
MuonClusterRec	Rec/Muon/MuonTrackRec	clustering of hits (needed for alignment)	?? / ??
MuonPadRec	Rec/Muon/MuonTrackRec	preparing pads	?? / ??
ConfiguredForwardStraightLineEventFitter	Rec/Tr/TrackFitter	fit of the Muon track segment	?? / ??
MeasProvider	Rec/Tr/TrackTools	special measurement for clusters (MuonProvider.clusterize=True) (needed for alignment)	Stefania /

MuonAlignment < LHCb < TWiki

TrackFilterAlg	Alignment/TAlignment	python script that selects muon tracks	Stefania /
TrackMuonMatching	Alignment/AlignTrTools	matching with the Long track	Stefania&Jan Amoraal /
ConfiguredEventFitter	Rec/Tr/TrackFitter	Fit Best/TMuon tracks for alignment	?? / ??

-- Main.Peter Griffith - 2019-07-05

---

This topic: LHCb > MuonAlignment

Topic revision: r2 - 2019-07-05 - StefaniaVecchi



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback