

5 : PID upgrade activities

5.1 : Muons

5.1.1 :

Lead group	PID&CO
Participating groups	Frascati, CERN
Description	MuonID optimisation
Required FTE	
Available FTE	1.0
Deadline	
Dependencies	
People currently involved	Marco Santimaria, Nikita Kazeev, Ricardo Vazquez Gomez
New effort required?	
Link to documentation	

Lead group	PID&CO
Participating groups	Frascati, Cagliari
Description	MuonDAQ optimisation
Required FTE	
Available FTE	0.5
Deadline	
Dependencies	
People currently involved	Suzanne Klaver, Peter Griffith
New effort required?	
Link to documentation	

Lead group	PID&CO
Participating groups	Frascati, Cagliari, NIKHEF, CERN
Description	Development of new discriminating variables
Required FTE	
Available FTE	1.15
Deadline	
Dependencies	
People currently involved	Marco Santimaria, Patrizia de Simone, Nikita Kazeev, Marianna Fontana
New effort required?	
Link to documentation	

Lead group	PID&CO
Participating groups	Frascati, NIKHEF, Cagliari, CERN
Description	Trigger studies
Required FTE	
Available FTE	0.8
Deadline	
Dependencies	
People currently involved	Patrizia de Simone, Matteo Palutan, Ricardo Vazquez Gomez, Flavio Archilli
New effort required?	
Link to documentation	

Lead group	PID&CO
Participating groups	Cagliari
Description	Muon MC
Required FTE	
Available FTE	0.4
Deadline	
Dependencies	
People currently involved	Peter Griffith
New effort required?	
Link to documentation	

5.2 : Calorimeter

Lead group	PID&CO
Participating groups	La Salle, Yandex
Description	Photon ID for the Upgrade (including the gamma/pi0 separation), just starting
Required FTE	
Available FTE	0.5
Deadline	
Dependencies	
People currently involved	Miriam Calvo Gomez, David Hilazo, Fedor Ratnikov, Viktoriia Chekalina
New effort required?	
Link to documentation	

Lead group	PID&CO
Participating groups	LAPP, LAL
Description	Calorimeter software migration
Required FTE	
Available FTE	1.0
Deadline	
Dependencies	
People currently involved	Carla Marin Benito, Vitalii Lisovskyi, Jean-François Marchand
New effort required?	
Link to documentation	https://twiki.cern.ch/twiki/bin/view/LHCbPhysics/CaloObjectsUpgrade

Lead group	PID&CO
Participating groups	IITEP
Description	Electron PID
Required FTE	
Available FTE	??
Deadline	
Dependencies	
People currently involved	Dmitry Golubkov
New effort required?	
Link to documentation	

5.3 : RICH

Lead group	
Participating groups	University of Cambridge

Description	Adapt software to new framework
Required FTE	
Available FTE	??
Deadline	
Dependencies	
People currently involved	Chris Jones
New effort required?	
Link to documentation	

-- JeanFrancoisMarchand - 2018-04-09

This topic: LHCb > PIDActivities

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