

ATLAS MPI Activities: Analyses

Coordinators: H.Kroha, R.Nisius, H.Oberlack, P.Schacht

	PEOPLE	STATUS	LAST NEWS	
HIGGS PHYSICS				
SM	$(tt, W, VBF)H \rightarrow b\bar{b}$	S.Kotov, J.Yuan	advanced	Apr 05
SM	$H \rightarrow ZZ^{(*)} \rightarrow 4\ell$	N.Benekos, S.Horvat, O.Kortner	advanced	
MSSM	$(bb)A \rightarrow \mu\mu$	G.Dedes, S.Horvat	advanced	Apr 05
SM	$(VBF)H \rightarrow \tau\tau \rightarrow (\ell 2\nu)(\ell 2\nu)$	S.Mohrdieck-Möck, C.Valderanis	runs	
SM	$(VBF)H \rightarrow \tau\tau \rightarrow (\ell 2\nu)(h \nu)$	M.Groh, S.Horvat	starts	
MSSM	$(bb)A \rightarrow \tau\tau$	G.Dedes, S.Horvat, S.Mohrdieck-Möck	starts	
SM	$(VBF)H \rightarrow WW \rightarrow (\ell\nu)(\ell\nu)$	S.Horvat, S.Kaiser, O.Kortner	starts	
TOP PHYSICS				
	$t\bar{t} \rightarrow (b\ell\nu)(bqq')$: top mass	N.Ghodbane, R.Härtel, S.Kluth, M.Olivo T.Barillari, S.Menke, G.Pospelov, E.Rauter	runs	
	$t\bar{t} \rightarrow (b\ell\nu)(bqq')$: cross-sect	A.Bangert, S.Kluth, S.Pataraja	runs	
EXOTICS				
		N.Benekos	runs	
SUSY SEARCHES				
		J.Dubbert	starts	

Color coding: Diploma student, PhD student, PostDoc

ATLAS MPI Activities: Software

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	PEOPLE	STATUS	NEWS
ID ALIGNMENT			
Track Selection	S.Kluth, M.Olivo, J.Schieck	runs	
Pixel Alignment	T.Göttfert, S.Kluth, J.Schieck	runs	May 06
SCT Alignment	R.Härtel, S.Kluth, J.Schieck	runs	May 06
Kalman Approach	M.Kayl, S.Kluth, J.Schieck	runs	
Vertex	S.Kluth, S.Pataraja, J.Schieck	starts	
CALORIMETER			
MC Simulation and Testbeam	T.Barillari, A.Kiryunin, S.Menke, G.Pospelov	advanced	
Local Hadron Calibration	S.Menke, G.Pospelov	advanced	May06
HEC Commissioning	T.Barillari, E.Rauter	advanced	
MUON SPECTROMETER			
Muon Spectrometer Simulation	N.Benekos, G.Dedes	advanced	May 06
MDT Calibration	M.Groh, O.Kortner, J.v.Loeben, C.Valderanis	advanced	
MDT Alignment with Tracks	S.Kotov, J.Schmaler	runs	
MDT Commissioning	J.Dubbert, M.Groh, O.Kortner, J.v.Loeben, J.Schmaler	runs	
RECONSTRUCTION TOOLS			
TopoClusters	S.Menke	advanced	Dec 05
b-tagging	S.Kotov	runs	
Muon Tracking	O.Kortner, S.Kotov, C.Valderanis	runs	
τ -reconstruction	G.Dedes, M.Groh, S.Horvat, O.Kortner, S.Menke	starts	
forward jets	S.Kaiser, S.Horvat, O.Kortner, S.Menke	starts	
SLHC STUDIES			
SCT	R.Nisius, H.G.Moser	advanced	
HEC	A.Kiryunin, S.Menke	advanced	
MDT	H.Oberlack, P.Schacht, D.Salihagić, M.Groh, O.Kortner, H.Kroha, R.Richter	advanced	

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