

WBS 1.6 (Software): Schedule (Template)

1.6 Software

ID	Task-name	Duration	Begin-Date	Predecessors	Resources¹
1.6.1	Hit Reconstruction	24 months	09/01/2011		3.0 FTE
1.6.1.1	PIXEL Hit Reconstruction	24 months	09/01/2011		1.5 FTE
1.6.1.1.1	Develop/Test	6 months	09/01/2011	1.6.7.1	
1.6.1.1.2	Evaluate/Tune	4 months	09/01/2011	1.6.7.1	
1.6.1.2	IST Hit Reconstruction	24 months	09/01/2011		0.5 FTE
1.6.1.2.1	Develop/Test /Eval.	6 months	09/01/2012	1.6.7.2	
1.6.1.3	SSD Hit Reconstruction	24 months	09/01/2011		1.0 FTE
1.6.1.3.1	Update/Test/Eval.	6 months	09/01/2012	1.6.7.3	
1.6.2	Tracking	36 months	09/01/2011		2.0-4.0 FTE
1.6.2.1	Update/Test/Evaluate	36 months	09/01/2011	1.6.8/1.6.7.1-3	
1.6.2.2	Alternative Track. Eval.	24 months	06/01/2011	1.6.8/1.6.7.1-3	

¹ See detailed breakdown in Appendix

ID	Task-name	Duration	Begin-Date	Predecessors	Resources
1.6.3	Event Vertex Reconstr.	36 months	09/01/2011		2.5-4.0 FTE
1.6.3.1	Au-Au Event Reconstr.	24 months	09/01/2011	1.6.2.1/1.6.2.2	
1.6.3.2	p-p Event Reconstr.	36 months	09/01/2011	1.6.2.1/1.6.2.2	
1.6.3.3	R&D	36 months	03/01/2010	1.6.2.1/1.6.2.2	
1.6.4	Decay Vertex Reconstr.	24 months	09/01/2011		1.0-2.0 FTE
1.6.4.1	Fitter Dev./Test/Eval.	24 months	03/01/2010	1.6.8/1.6.7.1-3	
1.6.5	Calibration/Alignment	36 months	09/01/2010		4.6 FTE
1.6.5.1	SURVEY	24 months	09/01/2011		1.1 FTE
1.6.5.1.1	PIXEL Survey	24 months	09/01/2011		
1.6.5.1.2	IST Survey	24 months	09/01/2011		
1.6.5.1.3	SSD Survey	24 months	09/01/2011		
1.6.5.2	GLOBAL Alignment	24 months	09/01/2011	1.6.2/1.6.3	1.0 FTE
1.6.5.2.1	PIXEL Global Align.	24 months	09/01/2011		
1.6.5.2.2	IST Global Align.	24 months	09/01/2011		
1.6.5.2.3	SSD Global Align.	24 months	09/01/2011		

ID	Task-name	Duration	Begin-Date	Predecessors	Resources
1.6.5.3	SELF Alignment	24 months	09/01/2011	1.6.2.1/1.6.2.2	2.5 FTE
1.6.5.3.1	PIXEL Self Align.	24 months	09/01/2011		
1.6.5.3.2	IST Self Align.	24 months	09/01/2011		
1.6.5.3.3	SSD Self Align.	24 months	09/01/2011		
1.6.6	Database/HFT Geometry	36 months	09/01/2010		1.3 FTE
1.6.6.1	PIXEL Geometry	24 months	09/01/2011		
1.6.6.2	IST Geometry	24 months	09/01/2011		
1.6.6.3	SSD Geometry	24 months	09/01/2011		
1.6.7	Response Simulators	36 months	09/01/2010		1.9-2.4 FTE
1.6.7.1	PIXEL Simulators	24 months	09/01/2011		
1.6.7.2	IST Simulators	24 months	09/01/2011		
1.6.7.3	SSD Simulators	24 months	09/01/2011		
1.6.8	Embedding/Assoc.	36 months	09/01/2010	1.6.6/1.6.7	0.5 FTE

Resources

ID	Task-name	Institutions	Name	% of time needed	max %
1.6.1.1	PIXEL Hit Reconstruction	LBNL, IPHC	Postdoc-1 Student-1	40 20	60 40
1.6.1.2	IST Hit Reconstruction	MIT	Postdoc/Stud.	20	60
1.6.1.3	SSD Hit Reconstruction	KSU, BNL	Postdoc/Stud.	20/20	60/60
1.6.2.1	Tracking Update	BNL, KSU	Postdoc/Stud.	50	100
1.6.2.2	Alternative Tracking	BNL, ??	Postdoc/Stud.	50	100
1.6.3.1	Au-Au Vertex Reconstr.	BNL, KSU	Postdoc/Stud.	50	100
1.6.3.2	p-p Vertex Reconstr.	BNL, ??	Postdoc/Stud.	50	100
1.6.3.3	R&D	BNL, KSU	Postdoc/Stud.	50	100
1.6.4.1	Secondary Vertex Rec.	KSU, ??	Postdoc/Stud.	50	100
1.6.5.1	SURVEY	LBNL, MIT, KSU, BNL	Postdoc/Stud.	50	100
1.6.5.2	GLOBAL Alignment	LBNL, MIT, KSU, BNL	Postdoc/Stud.	50	100

ID	Task-name	Institutions	Name	% of time needed	max %
1.6.5.3	SELF Alignment	LBNL, MIT, KSU, BNL	Postdoc/Stud.	50	100
1.6.6	Database/HFT Geometry	LBNL, MIT, KSU, BNL	Postdoc/Stud.	80	120
1.6.7.1	PIXEL Simulators	LBNL, IPHC, Purdue	Postdoc/Stud.	150	200
1.6.7.2	IST Simulators	MIT	Postdoc/Stud.	60	100
1.6.7.3	SSD Simulators	LBNL, KSU, BNL	Postdoc/Stud.	20	50
1.6.8	Embedding/Assoc.	???	Postdoc/Stud.	50	60