**WBS 1.6 (Software): Schedule (Template)**

# *1.6 Software*

#### ID Task-name Duration Begin-Date Predecessors Resources[[1]](#footnote--1)

#### 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

#### 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 40 60

 Student-1 20 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

1. See detailed breakdown in Appendix [↑](#footnote-ref--1)