Table 10.8: Cost Estimate for the PHENIX Muon Arm

		Amounts in FY93 k$			
W B S	Description	Total	M&S	EDIA	Labor
5. 7	**Muon**	**3388**	**1788**	**589**	**1011**
5. 7. 1	**Muon Absorber**	**103**	**72**	**26**	**5**
5. 7. 1. 0	EDIA	23	0	23	0
5. 7. 1. 2	Fabrication	65	65	0	0
5. 7. 1. 3	Test	10	7	3	0
5. 7. 1. 4	Assembly/Installation	5	0	0	5
5. 7. 2	**Muon Tracker**	**1367**	**432**	**137**	**797**
5. 7. 2. 0	EDIA	136	0	136	0
5. 7. 2. 1	Octant Prototype	105	2	0	103
5. 7. 2. 2	Fabrication	1009	422	0	586
5. 7. 2. 3	Testing	31	2	1	28
5. 7. 2. 4	Assembly/Install	86	5	0	81
5. 7. 3	**Muon Identifier**	**801**	**581**	**50**	**169**
5. 7. 3. 0	EDIA	50	0	50	0
5. 7. 3. 2	Fabrication	633	571	0	62
5. 7. 3. 3	Testing	9	0	0	9
5. 7. 3. 4	Assembly	108	10	0	98
5. 8. 1. 7	**Muon FEE**	**1118**	**703**	**376**	**40**
5. 8. 1. 7. 0. 0	EDIA	376	0	376	0
5. 8. 1. 7. 0. 1	Prototypes	51	51	0	0
5. 8. 1. 7. 0. 2	Fabrication	652	652	0	0
5. 8. 1. 7. 0. 3	Testing	40	0	0	40

individual planes of the muon identifier may be prepared independently of other activities in the major facility hall, but their installation into the gaps in the downstream absorber requires that the stackable shield wall which encloses the side of the detector closer to the center of the RHIC ring be removed locally, thus requiring a dedicated shutdown period when the shielding may be opened.

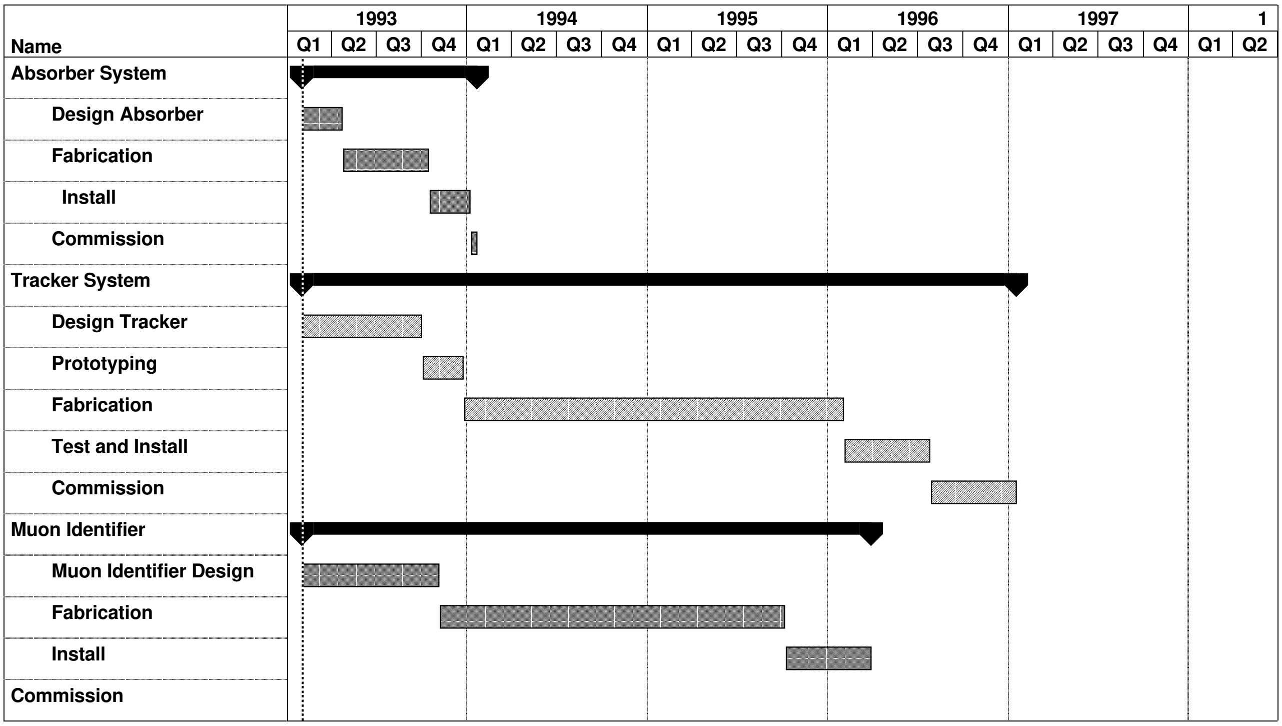

Figure 10.41: Overall schedule for the PHENIX muon arm.

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Contents