

CY19 Q1 Risk Register Summary Table

	Probability	Schedule Impact	Cost Impact
Top Risks (ranked by Probability x Cost Impact)			
EMU - Optical transmitter failures on DCFEBs	75%	0 months	\$75k
S&C - Oracle increases maint. fees for tape libraries & drives	50%	0 months	\$100k
ComOps - Fermilab overhead rates increase	50%	0 months	\$80k
Risks Open Realized this quarter			
Tracker - Pixels Phase 1 Detector loss of a CO2 cooling loop	5%	0 months	\$300k
HCAL - Other problems with Phase 1 Upgrade HB electronics	10%	3 months	\$50k
Risks Closed Managed this quarter			
None	5%	2 months	\$400k
Risks Closed Retired this quarter			
S&C - Less raw data than expected	5%	0 months	-\$400k
S&C - More raw data than expected	5%	0 months	\$400k
S&C - Increased LHC live time exposes operational limitations	10%	0 months	\$250k
Risks Added this quarter			
Tracker - Detector checkout reveals new repair issue	25%	1 months	\$50k
EMU - Cooling system water leaks before LS3	20%	3 months	\$50k
EMU - Problems with LS2 CSC electronics installation	10%	2 months	\$50k
S&C - Tape migration is slower than anticipated	1%	0 months	\$100k
S&C - T2 hardware retirement policy not realistic	1%	0 months	\$100k
S&C - T2 disaster	0.3%	0 months	\$500k
S&C - T2 hardware pricing uncertainty	5%	0 months	\$88k