

LONG-RANGE PLAN: WORKING DRAFT

		FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30			
LBNF / PIP II	SANFORD FNAL				DUNE	DUNE	DUNE	DUNE	DUNE	DUNE	DUNE	DUNE	DUNE	DUNE			
						LBNF	LBNF	LBNF	LBNF	LBNF	LBNF	LBNF	LBNF	LBNF			
NuMI	MI	MINERvA	MINERvA	OPEN	OPEN	OPEN	OPEN	OPEN	LONG SHUTDOWN								
		NOvA	NOvA	NOvA	NOvA	NOvA	NOvA	NOvA									
BNB	B	MicroBooNE	MicroBooNE	MicroBooNE	OPEN	OPEN	OPEN	OPEN	LONG SHUTDOWN								
		CARUS	CARUS	CARUS	CARUS	CARUS	CARUS	OPEN							OPEN	OPEN	OPEN
		SBND	SBND	SBND	SBND	SBND	SBND	OPEN							OPEN	OPEN	OPEN
Muon Complex		g-2	g-2	g-2	LONG SHUTDOWN						OPEN						
		Mu2e	Mu2e	Mu2e							Mu2e	Mu2e	Mu2e	Mu2e	Mu2e	Mu2e	OPEN
SY 120	MT	FTBF	FTBF	FTBF	FTBF	FTBF	FTBF	FTBF	LONG SHUTDOWN								
	MC	FTBF	FTBF	FTBF	FTBF	FTBF	FTBF	FTBF							FTBF	FTBF	FTBF
	NM4	OPEN	E1039	E1039	E1039	E1039	OPEN	OPEN							OPEN	OPEN	OPEN
		FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30			

Construction / commissioning
 Run
 Subject to PAC review
 Shutdown

Capability ended
 Capability unavailable

- NOTES:
- Mu2e estimates 4 year running starts mid-FY22 after 18 months commissioning. Assume, with contingency, 5.5 years data taking.
 - DUNE: 1st 10kT detector module commissioned in FY24. Runs without beam FY25 to mid-FY26.
 - NOvA runs as long as possible [in the spirit of PAC Nov 2017].
 - Assume NuMI in nubar mode through FY19 - facilitates 12E20 POT for MINERvA [PAC Nov 2017]. Assumption may need revision.
 - Assume g-2 completed before Mu2e commissioning start mid-FY20. Very tight. Needs scrutiny.
 - Assume E1039 fully approved & commissioned by mid-FY19.
Experiment estimates 2 yrs run. Add 1 yr contingency. [Stage 1 approval PAC June 2013, update July 2017]
 - FY19 and FY20 MicroBooNE running subject to future PAC review [PAC July 2017].