

MiniBooNE timeline...

- MiniBooNE scheduled to run through 2012 shutdown...some caveats
 - ➔ Could shutdown earlier to accommodate MicroBooNE installation
 - ➔ Proposal to move MiniBooNE to near location and run after shutdown

Draft 2010-13 Fermilab Accelerator Experiments' Run Schedule

Typically Revised Annually - This Version from October, 2009

Calendar Year	2010	2011	2012	2013
Tevatron Collider	CDF & DZero	CDF & DZero	OPEN	OPEN
Neutrino Program	B	MiniBooNE	MiniBooNE	OPEN
		OPEN	OPEN	MicroBooNE
	MI	MINOS	MINOS	OPEN
		MINERvA	MINERvA	MINERvA
		ArgoNeuT		NOvA
SY 120	MT	Test Beam	Test Beam	Test Beam
	MC	OPEN	OPEN	OPEN
	NM4	E-906/Drell-Yan	E-906/Drell-Yan	E-906/Drell-Yan

- Future analysis
 - ➔ 1 yr active analysis after run ends
 - ➔ 2 more yrs of keeping data accessible

This draft schedule is meant to show the general outline of the Fermilab accelerator experiments schedule, including unscheduled periods.

Major components of the schedule include shutdowns:

In Calendar 2010, a 4-6 week shutdown for maintenance is shown.

In Calendar 2011, no shutdown for maintenance is shown.

A 2012-3 11-month shutdown is shown to upgrade the proton source and change the NuMI beam to the Medium Energy (ME) config.

- RUN/DATA
- STARTUP/COMMISSIONING
- INSTALLATION
- M&D (SHUTDOWN)

19-Oct-09

Computing needs

OSG CPU hours

- ➔ Requested 2M CPU-hours in FY2010, used 1.1M so far. Time needed to reprocess additional data (done, small), run expanded MC stats for projected $10e20$ POT in nubar (done), run expanded MC stats for NuMI beam events in MB (done), rerun a more modern set of optical model multisims (not done).
- ➔ In FY2011 safe to assume FY10 allocation of 2M CPU-hours or less.

File storage

- ➔ Files needed for analysis currently kept in 3 Bluearc volumes and 8 mbdata0[1-8].fnal.gov servers
- ➔ Currently have about 25 TB available on Bluearc...need about 20TB/year to accommodate data streams

- ➔ Request from CD to retire mbdata02 and mbdata03, mbdata01 already retired (used for scratch space)

- ➔ Through end of FY11 need 38 TB
(30 TB data + 20 TB MC + 13 TB retired - 25 TB free)

- ➔ 30TB data duplicated to tape

FTEs only needed from CD for handling retired servers...

propose we copy files from retired servers to mitigate risk from catastrophic failure on older machines, but leave services running

	Size of Volume
Bluearc	82 TB
mbdata01	4 TB
mbdata02	4.5 TB
mbdata03	8 TB
mbdata04	4.5 TB
mbdata05	6.6 TB
mbdata06	6.8 TB
mbdata07	9 TB
mbdata08	9 TB