Tentative Running Plan

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End of Shutdown –Early Dec 2004

Beginning of MINOS run—1st April, 2005

Beam rates

Tentative Running Plan

- 20%LH2 measurements- Will get data to understand efficiencies, particle Id's. pp system is symmetric
- 20% Nuclear
- 20% MINOS

- Do the rest.

- Important we startup well.

MIPP Running time calculations

R.Raja 30-Sep-04

Target	Physics	Data Points	Primary proto Average Inte	Total number of Primary Protons	total time Snow mass days	Total number of events	20% of data total snowmass days	20% data total number of events
Numi 1	MINOS	3.3	125000	2.06E+10	17.19	9900000.00	3.44	1980000
H2	Scaling	6	9.76E+09	2.93E+15	31.25	18000000.00	6.25	3600000
D2	Survey	2	9.76E+09	2.93E+15	10.42	6000000.00	2.08	1200000
N2	Atmospheric r	4	9.76E+09	1.95E+15	20.83	12000000.00	4.17	2400000
Be	pA	2	9.76E+09	9.76E+14	10.42	6000000.00	2.08	1200000
Be	Survey	1	9.76E+09	4.88E+14	5.21	3000000.00	1.04	600000
C	Survey	1	9.76E+09	4.88E+14	5.21	3000000.00	1.04	600000
Cu	pA	2	9.76E+09	9.76E+14	10.42	6000000.00	2.08	1200000
Cu	Survey	1	9.76E+09	4.88E+14	5.21	3000000.00	1.04	600000
Pb	pA	2	9.76E+09	9.76E+14	10.42	6000000.00	2.08	1200000
Pb	Survey	1	9.76E+09	4.88E+14	5.21	3000000.00	1.04	600000
Total		26.6		9.75923E+15	131.77		26.35	

	data points	total time	total events	20% time	20%events
QCD	8	41.67	2.40E+07	8.33	4.80E+06
pA	6	31.25	1.80E+07	6.25	3.60E+06
p-rad	4	20.83	1.20E+07	4.17	2.40E+06
Numi	3.3	17.19	9.90E+06	3.44	1.98E+06
Atmosph. Nus.	4	20.83	1.20E+07	4.17	2.40E+06

Number of 1 sec spills/minute	20
Number of events/sec	60
Number of events/day	1728000
Number of events/snowmass day	576000
Number of events/snowmass hour	24000
Number of events/data point	3.00E+06
Number of snow mass hours/data point	125.000
Number of snowmass days/data point	5.208