

# swing\_7\_night8\_schedule

## Program for tuesday 8/8 and night 8/8

Restart after PS injection septum replacement.

For all following activities keep CU at 0 angle, direct beam in center of tower 3.

particle	energy	trigger	events	notes
CR	-	self		before beam, scan ACD veto threshold and verify MIP peak position
e	5	S0+S2+C1+C2	20K	reference after restart to check pileup; get 10KHz on S0 and monitor num hits and energy in CAL to verify reduction of pileup
e	5	delayedS0+S2+C1+C2	40k	directly measure pileup with delayed triggers
e	3	S0+S2+C1+C2	10K	synchronized with AD; check beam size, divergence, trigger rate vs S0 trigger, determine slits aperture to maximize readout rate in sync mode
e	3	S1+S2+C1+C2	10K	synchronized with AD; check beam size, divergence, trigger rate vs S0 trigger, determine slits aperture to maximize readout rate in sync mode
e	3	S0+S2+C1+C2+NOS <sub>h</sub>	10K	tagger alignment Si1, Si2, CU,
e	3	S0+S1+S2+C1+C2+NOS <sub>h</sub>	10K	e fraction, beam profile, beam divergence, trigger rate, sync check
e	2	S0+S1+S2+C1+C2+NOS <sub>h</sub>	10K	e fraction, beam profile, beam divergence, trigger rate, sync check (OPTIONAL check impact on schedule with experts)
e	1.5	S0+S1+S2+C1+C2+NOS <sub>h</sub>	10K	e fraction, beam profile, beam divergence, trigger rate, sync check
e	1	S0+S1+S2+C1+C2+NOS <sub>h</sub>	10K	e fraction, beam profile, beam divergence, trigger rate, sync check
e	0.5	S0+S1+S2+C1+C2+NOS <sub>h</sub>	10k	e fraction, beam profile, beam divergence, trigger rate, sync check (OPTIONAL check impact on schedule with experts)
e	3	S0+S1+S2+C1+C2+NOS <sub>h</sub>	10K	BL calibration, magnet at -0.45Tm (max curr)
e	2	S0+S1+S2+C1+C2+NOS <sub>h</sub>	10k	BL calibration, magnet at -0.3Tm (scale curr) (OPTIONAL check impact on schedule with experts)
e	1.5	S0+S1+S2+C1+C2+NOS <sub>h</sub>	10k	BL calibration, magnet at -0.225Tm (scale curr)
e	1	S0+S1+S2+C1+C2+NOS <sub>h</sub>	10k	BL calibration, magnet at -0.15Tm (scale curr)
e	0.5	S0+S1+S2+C1+C2+NOS <sub>h</sub>	10k	BL calibration, magnet at -0.075Tm (scale curr) (OPTIONAL check impact on schedule with experts)
e	1.5	S0+S1+S2+S4+C1+C2+NOS <sub>h</sub>	10k	magnet at +0.45Tm, alignment Si3, Si4, CU; dump position
e	1.5	S0+S1+S2+S4+C1+C2+NOS <sub>h</sub>	10k	move beam energy in steps of 100MeV and directly calibrate angle_out vs e_beam to compare with absolute calibration
				raise iron block and place dump with Pb bricks
e	3	S0+S1+S2+S4+C1+C2+NOS <sub>h</sub>	10k	verify dump position / leak
e	2.5	S0+S1+S2+S4+C1+C2+NOS <sub>h</sub>	100k	tagged photons - verify daq sync stability; take runs of 25k events