

to do during shut-down:

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note: at least 1 expert must be on hand all the time for  
running xchecks before/after intervention

1) preamp power supplies (N, S):

replace/repair: end cap N: PA00S (+8V dead)  
PA10S (AC error)

end cap S: PA04P  
PA06P  
PA07P

manpower: electrical crew

time needed: < 5 x 3 hours

2) HV system: cause of recent PH (CC,S end):

connect/disconnect/inspect/replace suspicious HV-resistor

manpower: Dean, Marvin

begin: 06/24 (??)

material: spare(s) (ordered, in hand?)

time needed: wednesday thru saturday

==>note: depending on the insight gained, subsequent  
tests/repairs elsewhere in system may be needed

3) blowers:

replace about 21 blowers

manpower: electrical crew

begin: > 06/19

material: 4 spares

time needed: about 5 weeks (company turn-around)

4) ICD pulser (NW):

inspect/repair NW pulser connections

manpower: Dean

begin: asap or 2 weeks after 2) (?)

5) ICD:

replace/repair PMTs/sockets..., adjust HV....

manpower: heather + others

begin: > 06/24

material: O(25) unused PMTs

note: get test stand going ahead of time,  
details will follow

time needed: depends on #PMTs: a few weeks

6) Harness problems (??):

check first, if feasible