Pol. ^{3}He Target Tasks

1) Target tests (3/1 0:00-3/3 8:00)

a) 3/1 0:00-0:30 NMR/EPR/NMR at 170 degree. Cool to 120 degree. NMR/EPR/NMR (if there is time). (Ioannis)
0:30-6:00 Let the system stablize, laser off.
6:00 NMR/EPR/NMR (Sebastien)

b) 6:30-10:00 Warm back to 170, Rotation Loss and AFP loss study. (Seb)

c) Start Spin down with full field strength, laser off, room Temp. (Seb)
10:00-3/2 24:00 Every 2-4 hours, make a NMR measurement when possible. (10:00-16:00 Yves), (16:00-24:00 Ioannis)

d) 3/2 0:00 Reduce field stregth to half, start spin down. (If polarization too low, pump for a few hours first). (Seb)
0:00-16:00 NMR every 2-4 hours if possible. (0:00-8:00 Tim, 8:00-16:00 Seonho)

e) 16:00-24:00 Optical pumping again, Temp to 170, field 62.5, 3 lasers on. (Setup, Seonho, Watching: Yves).
3/3 0:00-4:00 EPR study. (Seb)
4:00-6:00 Study polarization diffusion: Destroy pol. pump for one hour, NMR several times. (Seb)
6:00-7:00 Turn everything off except field.(Seb)

2) Target work:

a) 3/3 7:00-9:00 Radcon de-comtamination;
9:00-10:00 Remove target ladder and cell; (Ioannis/piebero/JP)
10:00-12:00 Remove cell from the ladder; (Ioannis)
Field measurement;(Tim/Wang)
12:00-13:00 Put target ladder with survey targets back on pivot; (Ioannis/Pibero)
13:00- Target survey.(Contact:Tim/Pibero)

b) before 3/3 7:00 clean-up the EEL target lab (both rooms). (Pibero)

c) 3/3 7:00- Move NMR/EPR instrumentation to target lab and set back up. (Field stuf need to be moved after the field direction measurement). (Seb)

d) Move the VME/Motion/Oven back to the target lab and set back up. (Yves)

e) Move the lasers/optics back to the target lab. (Prout, JP)

f) Move the reference cell system to storage. (Tim)

g) 3/5 Move the magnets/target chamber off pivot to side of Hall A; (Ed)

h) 3/8-3/10 De-contamination of the target chamber; (Pibero, JP)

i) 3/11 Move the target back to the target lab. (Pebiro, JP)
j) 3/12- Set the target back. (Pibero, JP)
k) 3/15-3/18 Set the optics back. (Pripstein, Steffen, JP)
Everybody availble should help with the moving and setup the target.