

## HDice Programs

**Date: 12/8/2016**

**Time: 2:00-4:00**

*Attendees: Mary Ann Antonioli, Peter Bonneau, Amanda Hoebel, Xiangdong Wei, Amrit Yegneswaran*

### I. NMR program progress.

1. Pre-existing problems in program need to be solved.
  - i. Extra 2[s] added in field scans.
  - ii.  $T_{\text{bott}}$  should allow for varying times (is currently fixed for 1[s]).
  - iii.  $T_{\text{up}}$  time should be independent of  $T_{\text{down}}$  time.
2. “Freezing” of NMR  $\Omega$  Rack (Rack #2).
  - i. If  $\Omega$  Rack is swapped with  $\alpha$  Rack (Rack #1) for use on the Production Dewar,  $\Omega$  Rack will need to be untouched during duration of target development and tests.
  - ii. Another possibility is that  $\Omega$  Rack may need to be 100% completed before “freeze”.
    1. Non-completion would allow for  $\alpha$  Rack to reach a completion point higher than  $\Omega$  Rack.
3.  $\Omega$  Rack timeline.
  - i. Would like rack would need to be “frozen” by mid-January.
    1. Rack will not have triggering by then.
  - ii. What will need to be on rack by mid-January?
    1. Need Andy Sandorfi’s input.

### II. Fast Resonance Scanner program.

1. Discussed function of program.