

DSG-HDIce Meeting 08-Nov-2018

Date: 11/08/18

Time: 2:00pm

Attendees: Mary Ann Antonioli, Peter Bonneau, Pablo Campero, Amanda Hoebel, Xiangdong Wei

1. Rack Grounding:

- 1.1. FRS signal noise greatly reduced with new grounding cables.
 - 1.1.1. Signal was 40 μV after grounding compared to 250 μV before grounding.
- 1.2. NMR will be tested for noise level late Friday.

2. Documentation:

- 2.1. Documentation is being gathered for review set for July 2019.
 - 2.1.1. User's manual to be made for instructions on how to run NMR program.

3. New Computer:

- 3.1. New computer for Rack #1 is still being worked on by the computer center.

4. New NMR program request:

- 4.1. New version of NMR program would allow for option of either sweeping frequency at a fixed field or sweeping field at a fixed frequency.
 - 4.1.1. Current NMR program only sweeps field at a fixed frequency.

5. New Rack:

- 5.1. New rack is being considered.
 - 5.1.1. Will have new lock-in amplifier with internal signal generator.
 - 5.1.2. Further options will be studied.