

## DSG – HDice Meeting Agenda

**Date: July 9, 2020**

**Time: 2:00PM**

1. Addressing fsNMR feedback
  - 1.1. Plot of Phase's average data not plotting in red
  - 1.2. Source of unexpected spikes in background scaled data
  - 1.3. Removing scaling for Amplitude and Phase?
  - 1.4. Moving prompt for run comments to start of program
2. Discuss whether background scaling method currently used is correct
  - 2.1. Equation used:  $S = (N - B) \times \frac{M}{B}$ 
    - 2.1.1.  $S$  = resulting scaled data
    - 2.1.2.  $N$  = newly acquired data at frequency  $f$
    - 2.1.3.  $B$  = background data point at frequency  $f$
    - 2.1.4.  $M$  = absolute maximum of background data
  - 2.2. Background subtraction portion:  $(N - B)$
  - 2.3. Scaling portion:  $\frac{M}{B}$
3. Status of adding temperature and liquid helium level monitoring to fsNMR program
4. Additional items