

SHUG teleconference Friday, November 7<sup>th</sup>, 1:00 pm Eastern

1. Roll call: McQueeney, Nagler, Lokitz, Hanno, White, Dave B., McQueen, Morten, Krystal, Yang, Laura Edwards, Kevin Jones, Thomas Proffen, Paul Langen, Yan Gao

2. Approval of minutes from October meeting - Yes

3. Approval of current agenda - Yes

4. Updates

a. NSSD Update (Crone) [particularly target re-replacement]

Rob McQueeney - passed on to Kevin Jones to talk about current situation, 2 unplanned target failures. Jet flow failed on Sept 11, it was replaced with on shelf target which failed after 1 week. Second target can't be removed bc no room in service bay. One target sent away two weeks second target to be shipped next week so current target can be removed and the next target installed. Plan to resume beam operations Nov 22 - Dec 2. Limit power on target to 850 kw to make target last, reducing power of pulse reduces fatigue stress on target weldments.

Downtime will be hard to make up but SNS looking to have long run time in Spring and having shorten winter downtime. 4,480 hours could be scheduled and allow to meet promised beam delivery target to DOE with 1 week contingency

Rob - Sent out slides to SHUG

b. SNS/HFIR facility/instrument updates (Nagler/Proffen/Langan)

QCMD (Rob for Steve) - CTAX had back end upgrade - horizontal focusing analyzer give 4x signal. Magnetsims Reflectometer upgrade to CCR and motorized beam stop. Paper to be published in Nature.

BSMD - Liquids reflectometer detector has been rotated 90 deg to increase spatial resolution, gas pressure is diminished - plans to transport to Brookhaven to refill.

Thomas - Computational models used in science highlights. VISION - used a 3D printed plastic collimator. Vulcan science highlight published in Nature communications. Topaz highlight accepted at JACS. 3D monitor on fifth floor of SNS to visualize scattering and crystallography data in 3D.

c. User office updates (Laura) - FY 14 - 893 unique users at SNS (record) and 453 at HFIR (Second most). Current proposal call was most ever. SRC scheduled Nov 17, 180 reviewers on site. HFIR will allocate after meeting but SNS will wait on operating schedule because need to reschedule users from down time.

5. Action items from last meeting

a. SHUG on-site visit - poll new members to set up on-site SHUG visit and Brad will interact with SRC when they are onsite.

b. Election Status - opened Oct 27, 150 votes cast so far and a reminder email will go Mon, Nov 17 and close on Mon, Nov 24.

6. Multiagency call: Soliciting input for National Strategic Planning Exercise for Big Data (Tyrel/Rob) - Thomas - drafting a response about what big data needs NScD has but would also be good to have response from SHUG. What is missing and needs to be addressed.

7. New Business (Tyrel)