

## **Draft of SBS collaboration (remote) meeting agenda, July 14-15, 2020:**

### **Day 1: July 14 (Tuesday)**

#### **Morning session:**

8:50-9:00: Welcome/collaboration status: Andrew

9:00-9:15: Hall A and SBS status: Thia Keppel

9:15-9:45: SBS Program overview: Bogdan Wojtsekhowski

9:45-10:30: New members introduction: David Armstrong+student, Jim Napolitano+Don Jones+student (Dmitry), KK+student(s) and/or PD(s), Paul Souder (PD+student?), Kent Paschke (+other group members), David Flay, Holly S.-Vance, Axel Schmidt... others?: ~5-10 minutes each. Collaboration should help new members figure out where to get involved. **What areas are in need of manpower**, what are current Ph.D. students expecting to pursue thesis on? Two new proposals, if approved, will need grad students, etc.

10:30-11:00: break

#### **Future physics ideas using SBS apparatus (tentative):**

##### **Submitted proposals:**

11:00-11:15: Polarization Transfer in charged pion photoproduction: Arun Tadeipalli or Andrew Puckett (both of these were asked to present at Hall A/C meeting: A/C meeting will give more of the kind of feedback the PAC might give: in SBS meeting focus on impact of new proposals on GMN/GEN-RP run plan and schedule)

11:15-11:30: Two-photon exchange in electron-neutron elastic scattering: Eric Fuchey or Sheren Alsalmi

##### **Future physics ideas using SBS:**

11:30-11:45 J/Psi polarization observables: Lubomir Pentchev

11:45-12:00 Polarization transfer in positron-proton elastic scattering (Andrew P. or Axel Schmidt)

12:00-1:00: Lunch on your own

##### **First afternoon session (engineering/infrastructure):**

1:00-1:30: SBS design/engineering: Robin Wines (JLab)

1:30-2:10: SBS installation plans/schedule/access: Jessie Butler (JLab)

2:10-2:25: beamline (Hall A-specific): David Flay (JLab)

2:25-2:40: beamline (Accelerator-specific and Hall/accelerator interface. components under accelerator control: correctors, ion chambers, FSD, accelerator software, etc): Yves Roblin (JLab)

2:40-2:55: SBS target(s) status (GMN/GEP?, non-Helium-3): Dave Meekins

2:55-3:15: GMN run plan overview: Brian Quinn

3:15-3:30: Documentation status (ESP,OSP,COO, safety docs and ops manuals): Ed Folts

3:30-3:50: Coffee break

**Second afternoon session: GMN detector (non-GEM) status:**

3:50-4:10: BigBite detector and DAQ overview: Bogdan and/or Mark Jones

4:10-4:25: BigBite preshower/shower status: Arun Tadepalli

4:25-4:40: Todd Averett or Bradley Yale: GRINCH status

4:40-4:55: HCAL status: Scott Barcus

4:55-5:10: LHRS restoration: Bob Michaels

5:10-5:45: Open discussion

Day 1 Adjourn

**Day 2: July 15 (Saturday). 9:00 AM start:**

**BigBite and GEN-RP detector status, continued:**

9:00-9:30: INFN GEMs status: Evaristo Cisbani

9:30-10:00: UVA GEMs status: Nilanga or Kondo

10:00-10:15: GEN-RP ERR status: Brad... (~10 mins. maybe shorten this one)

10:15-10:30: BigBite Timing hodoscope status: David Hamilton or Rachel Montgomery (moved to morning session due to Glasgow time zone difference)

**10:30-10:45: Break**

10:45-11:00: GEM commissioning status: Thir Gautam

11:00-11:20: GEN-RP (non-GEM) detectors and infrastructure: Recoil proton hodoscopes and active analyzer, installation/de-installation plans/coordination with GMN: Brad Sawatzky

11:20-11:40: KK's group's involvement in SBS GEM project (possibly two talks)

11:40-12:00: GMN/GEN-RP DAQ: Alexandre Camsonne (confirmed)

**(GEM meeting on Wednesday will finalize this part of the agenda)**

**12:00-1:00: Lunch on your own.**

**First afternoon session: Software and more DAQ**

1:00-1:30: SBS software status, I: Reconstruction: SBS-offline/Podd status/GMN and GEN-RP event reconstruction: Andrew (confirmed)

1:30-2:00: SBS software status, II: Simulation/digitization/simulation decoding: Eric Fuchey (UConn)

2:00-2:20: GEP tracking studies: Weizhi Xiong (Syracuse)

2:20-2:40: SBS GEP DAQ (beyond GMN/GEN/SIDIS): High-speed GEM DAQ for GEP: SSP/VTP/etc: Ben Raydo

2:40-3:00: CDET DAQ upgrade (David Flay or Alexandre)

3:00-3:30: Coffee break

**Second afternoon session: GEN/SIDIS/GEP**

3:30-4:00: Polarized  $^3\text{He}$  target: Gordon Cates (UVA)  
4:00-4:20: SBS RICH: Andrew Puckett (UConn)  
4:20-4:40: GEP ECAL status: Mark Jones (JLab)  
4:40-5:00: CDET status: Peter Monaghan (CNU)

**Third afternoon session:**

5:00-6:00: Other collaboration business/general collaboration discussion:  
manpower/students/tasks/COVID impacts  
6:00: Adjourn

**All subsystem contact people: Think about implications of schedule scenarios; what systems can be ready on what timelines given what we currently know about the lab schedule? We should take it upon ourselves to understand the most aggressive timelines we can pursue. Understand where the different subsystems are and what resources would be required to follow aggressive timelines? All of us involved in different subsystems should be asking similar questions. Shutdown impact; in some cases can help readiness, some cases can hurt.**