SBS Collaboration Status and Plans
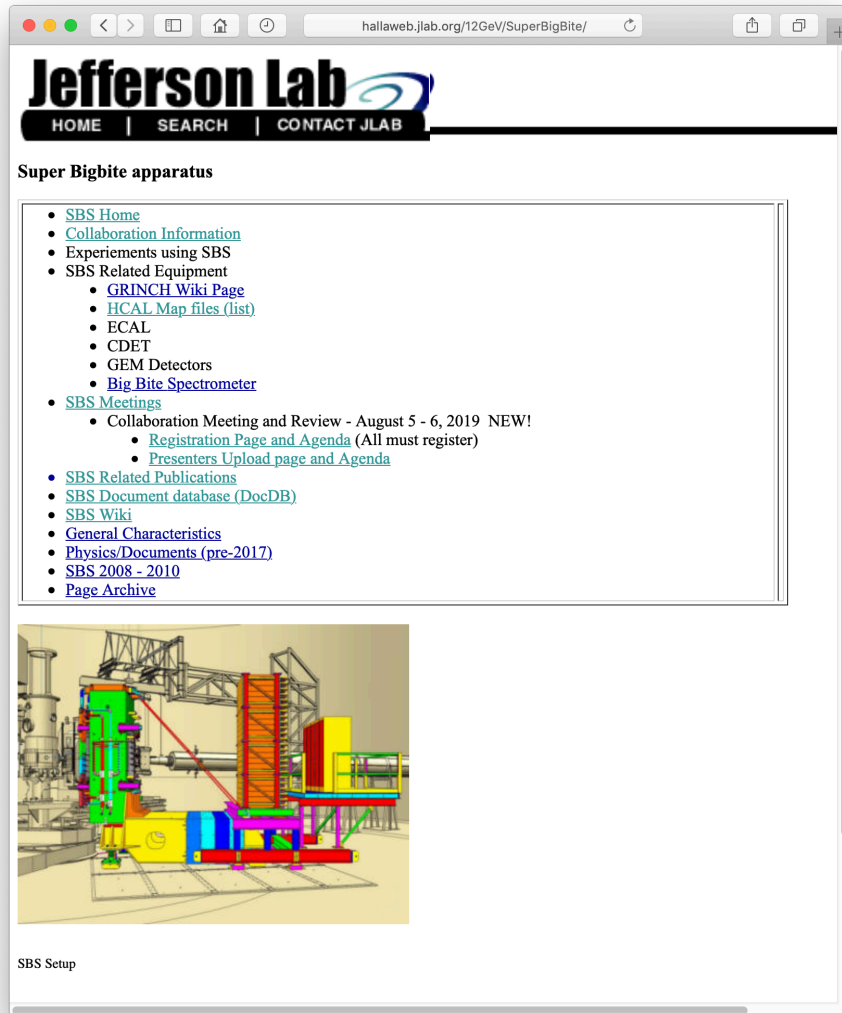
Andrew Puckett

University of Connecticut

SBS Summer Collaboration Meeting

August 5, 2019

UCONN Jefferson Lab

The Super BigBite Spectrometer Program

Super Bigbite apparatus

SBS Setup

https://hallaweb.jlab.org/12GeV/SuperBigBite/

SBS program is defined by the set of experiments that will use the common apparatus defined by the SBS magnet, HCAL, BigBite, ECAL, ^{3}He target, GEMs, etc.:
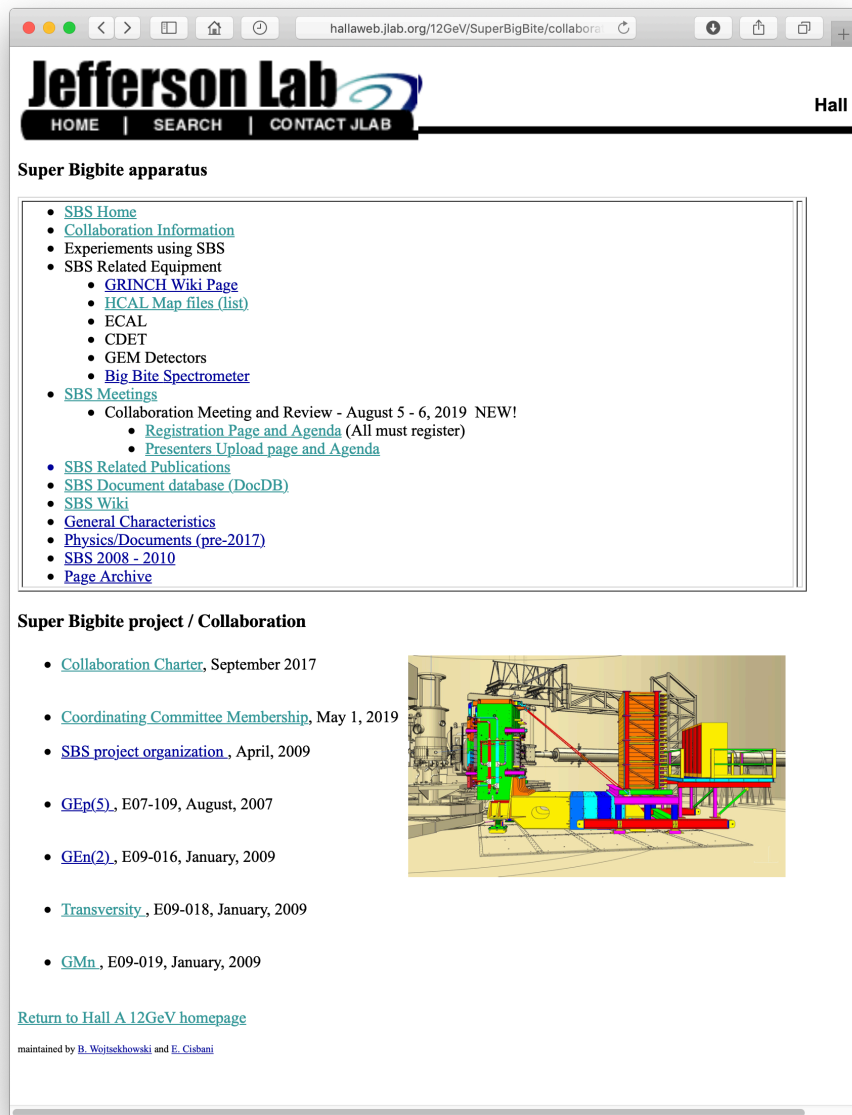
Fully approved proposals:

- **E12-07-109, GEP (45 days, A-):**
  - Original proposal (PAC32): Link
  - Jeopardy update (PAC47) Link
- **E12-09-016, GEN (50 days, A-):**
  - Original proposal (PAC34): Link
- **E12-09-019, GMN (25 days, B+):**
  - Original proposal (PAC34): Link
- **E12-09-018, SIDIS (64 days, A-):**
  - Original proposal (PAC34): Link
  - Fully approved proposal (PAC38): Link
- **E12-17-004, GEN-RP (5 days, A-):**
  - PAC45 proposal: Link

Conditionally approved proposals:

- **C12-15-006, TDIS (27 days, A-):**
  - PAC43 proposal: Link

SBS Collaboration

- Collaboration Charter:
  https://hallaweb.jlab.org/12GeV/SuperBigBite/documents/sbs_collab_charter.pdf
- **Your Current CC membership:**

Name	Role/expt.	Institution
Evaristo Cisbani	GEP rep.	INFN
Seamus Riordan*	**GEN* rep.**	**ANL**
Brian Quinn	GMN rep.	CMU
Nilanga Liyanage	**A1n* rep.**	UVA
Andrew Puckett	**SIDIS rep. (Incoming CC chair)**	**UConn**
Dipangkar Dutta	TDIS	Miss. State
David Hamilton	GEN-RP	Glasgow U.
Bogdan Wojtsekhowski	**Program Scientist (outgoing CC chair)**	**JLab**
Gordon Cates	Program Scientist	UVA
Thia Keppel	Hall A Leader	JLab
Mark Jones	Project Manager	JLab

Current CC/Collaboration Status and Issues

- With the departure of Seamus Riordan, GEN needs a new experiment representative on the CC (and possibly one or more new spokespeople).
  - Thanks to Todd Averett for agreeing to join GEn as a co-PI and represent GEN on the CC.
- BigBite A1n no longer has PAC approval after PI group chose not to submit jeopardy update.
- For CC discussion:
  - Is it still appropriate for an experiment that no longer has PAC approval to have SBS CC representation?
- CC chair transition:
  - Outgoing chair Bogdan W.
  - Incoming chair A. Puckett (yours truly).
- CC meetings were held on an "as needed" basis over the last year, and attendance by CC members was sporadic.
- I plan to resume regular CC meetings (at least monthly, if not biweekly).
- Need to decide on Bogdan's proposal from the most recent collaboration meeting in February to create an "executive committee" distinct from the CC to formalize management of subsystems/subprojects/assignment and coordination of tasks.

Miscellaneous Collaboration Business, I

- No formal requests for new regular members received in advance of this meeting → Lots of new students and/or postdocs working on SBS projects. See introductions tomorrow.

- No proposed charter modifications were received for this meeting.

- We need a centrally maintained "official" SBS collaboration roster with current contact info for active collaborators, in order to manage communications/author lists/etc. in advance of installation/running.
  - Seamus had started putting this together before he left ANL. As new chair, I will finish organizing, using Seamus' spreadsheet compiled from proposal author lists and Hall A collaboration web-based roster of self-reported SBS involvement as a starting point.

- REMINDER–We (including but not limited to CC members) need to follow our own policy of informing the CC of SBS-related invited and contributed conference talks/abstracts/colloquia/seminars/etc, and upload slides to the SBS DocDB.
  - This is for record-keeping and coordination of talks/conference participation
  - CC pre-approval for routine SBS-related conference talks is NOT required
  - For SBS-related publications, see charter policy: https://hallaweb.jlab.org/12GeV/SuperBigBite/documents/sbs_collab_charter.pdf

Miscellaneous Collaboration Business, II

- Ideas discussed during February 2019 Collaboration Meeting, largely not followed through on:
  - SBS Collaboration Logo
  - Creation of a "standard" repository of SBS physics/layout/equipment plots, made publicly available/accessible for (optional) use in talks, etc?
- Upcoming GEN ERR and beam scheduling request→Fall 2019?
- Revisiting/reaffirming manpower, tasks, assignments, commitments for upcoming GMN installation and start of SBS running
- Status and writing assignments/responsibility of documentation for GMN (COO/ESAD/RSAD/etc)
- Formalizing and documenting plans for calibration/commissioning/running of GMN and GEN-RP

SBS Weekly Meetings

- Currently Thursdays, 10 AM-11 AM on BlueJeans
- I will poll the collaboration to decide on a new time (if any) for the fall semester of 2019 to optimize for maximum participation of core collaborators
- Weekly meeting attendance has been (mostly) good over the last year. Let's keep it up in advance of SBS GMN installation!
- All PIs/contact persons/subsystem responsible persons or their delegate(s) should attend every meeting if at all possible!

New SBS website, weekly meeting archives and DocDB links: BOOKMARK THESE!

- Website: https://hallaweb.jlab.org/12GeV/SuperBigBite/. Same URL as before.
  - *Special thanks to Will Tireman for improving layout and organization and maintaining links.*
- Weekly meeting minutes/slide archives: https://hallaweb.jlab.org/12GeV/SuperBigBite/SBS-minutes/
- Public and private DocDBs:
  - https://sbs.jlab.org/cgi-bin/DocDB/public/DocumentDatabase
  - https://sbs.jlab.org/cgi-bin/DocDB/private/DocumentDatabase
  - We encourage you to use the DocDBs for long-term archiving of any and all SBS-related documentation/data from bench testing/results/information

Info for THIS meeting:

- Indico page: presenters please upload your slides here well in advance of your session: https://www.jlab.org/indico/event/336
  - In principle, you should have a JLab indico account associated with your JLab CUE username.
- Registration page: If you haven't done so, you MUST register here: https://misportal.jlab.org/Ul/conferences/generic_conference/registration.cfm?conference_id=COLLAB-SBS-AUG19
- BlueJeans info for remote participants:
  - Meeting link: https://bluejeans.com/133830373
  - Phone number (US Toll Free): 1-888-240-2560
  - Meeting ID: 133 830 373
- Poster session tomorrow (Tuesday) morning 9:20-10:20
- Collaboration Photo tomorrow (Tuesday) morning 10:35, CC Lobby