

SANE Status - 5/08 (I)

- Welcome Mark Jones as co-spokesman and project manager for installation
- Test run of partial BETA configuration in early April:
 - BigCal at 40°; ½ Cherenkov (bottom); 8 Lucite bars; 2 partial Y and all X Tracker planes
 - took 83 runs at 5.7 and 3.46 GeV with 200 nA to 5 μ A beam on 4 cm LH2 and thin C targets: comparable SANE luminosity; largest fast raster.
 - very useful data, detailed reports will be presented today
- Target cool down in EEL: report by Don Crabb
- Software working group has been meeting weekly
 - GEp-3 analyzer modified to include BETA detector for test run
 - ongoing work on
 - test run analyses
 - on-line analyzer including target field and large slow raster
 - modifying SANE GEANT to work with analyzer

SANE Status - 5/08 (II)

- Preparation for installation:
 - SANE safety review
 - Draft ESAD, Installation COO, expt. COO are ready (K. Slifer)
 - Review will be on last week of June
 - One of today's goal is to evaluate our preparations for installation and review
- Installation starts on 6/16, per W. Kellner
 - working on installation schedule: Mark will be in charge from now on
 - BigCal reconditioning
 - favored option is long UV treatment; heat treatment too demanding in time and resources, risk of detector damage
 - possible interference of G0 magnet exit:
 - ≥ 2 weeks of little or no other Hall work

SANE Status - 5/08 (III)

- Installation (continued)
 - Target platforms being refurbished prior to installation
 - GEp beam line decommissioning, followed by upstream girder installation with SEM mounted
 - downstream shielding installation before target platforms
 - HMS reconfiguration (mainly in parallel): remove FPP, reinstall base pkg.
 - Yerevan and Hall C technical staff
 - Target installation
 - Install BETA; install downstream beam line - in fabrication (J. Dunne)
- Elastic calibrations plan in preparation (Regina)
- Moller status and configuration for SANE (D. Gaskell)
- Shift scheduling: M. Khandaker agreed to be shifts czar
 - Shifts will be allocated by institution; specific workers are internal decision
 - Will update confirmed membership list

Update on SANE Schedule

- JLab 2008 budget reduces CEBAF operations from 34 weeks to 24 weeks
- SANE run from Oct. 11 to Dec. 21st.:
 - 68 beam days in Hall at SANE's proposal FOM
 - 5-pass beam in three halls: longitudinal spin at target is 0.8 of injector for Halls C and A
 - SANE FOM based on 75% beam polarization
 - may need to extend run into January 2009 to meet physics goals, as stated in SANE beam request
 - longitudinal spin improves if > 5.91 GeV beam is delivered

Run Plan

Start: 10/11/08
Finish: 12/22/08

SANE Run

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	Activity Name	Duration	October 08				November 08				December 08				Janua		
			5	12	19	26	2	9	16	23	30	7	14	21	28	4	
1	— SANE Run	67	10/11/08												12/21/08		
2	Commission 5.9 - 2.4 GeV	13	10/11/08				10/23/08										
3	Calibration 2.4 GeV	5			10/24/08			10/28/08									
4	Energy change 2 => 4 pass	1			10/29/08			10/29/08									
5	4.734 GeV parallel	5			10/30/08			11/03/08									
6	Target rotation 180° - 80°	1				11/04/08			11/04/08								
7	Chicane alignment	1				11/04/08			11/04/08								
8	4.734 GeV 80 deg.	9				11/05/08				11/13/08							
9	Energy change 4 pass => 5 pass	1					11/14/08			11/14/08							
10	? Chicane alignment (if needed)	1					11/14/08			11/14/08							
11	5.9 GeV 80 deg.	21					11/15/08						12/10/08				
12	Target rotation 80° - 180°	1										12/11/08			12/11/08		
13	Chicane alignment	1										12/11/08			12/11/08		
14	5.9 GeV parallel	10										12/12/08				12/21/08	

To Do

- Safety review June 26
- Finalize installation schedule
- Manpower for installations:
 - Collaborators' summer schedules
 - Hall C and other JLab groups
- Work meetings
 - weekly meetings starting in June
 - continue software weekly meetings
- Next collaboration meeting in August
- Prepare commissioning run plan

