

d-Au Setup Status & Schedule

1 November 2007

Kip Gardner

11-Day History (1)

- Mon 22 Oct: Deuterons accelerated to top energy in Booster (2 bunches; no merge).
- Thur 25 Oct: 2-to-1 merge operational; merged bunches accelerated to top energy in Booster and injected into AGS.
- Fri 26 Oct: NSRL run 07c ended. Beam on 8 Booster cycles established. Hardware failure prevents Booster-AGS synchro.

11-Day History (2)

- Sat 27 Oct: Booster-AGS synchro fixed and established; cogging of 8 transfers established.
- Sun 28 Oct: 8-to-4 merge on AGS injection porch hampered by AGS frequency jitter.
- Mon 29 Oct: Jitter fixed; 8-to-4 merge established. Merged bunches accelerated to top energy in AGS.

11-Day History (3)

- Tue 30 Oct: Find that AGS injection kicker (at A5) pulse is a little too wide to fit in available gap for eighth transfer.
 - 1) Propose doing just 6 transfers, yielding three bunches and 1 empty bucket.
 - 2) Need new RF circuitry to keep track of which buckets have beam.
 - 3) This will be developed during 7 am to 7 pm power outage today (1 Nov).

11-Day History (4)

- Wed 31 Oct: Deuteron beam extracted from AGS and transported to w dump.
- Typical (deuteron) intensities:
 - Booster Input = 6.8×10^{11}
(Tandem can give us 12×10^{11})
 - Booster Early = 2.8×10^{11}
 - AGS (extraction?) = 2.0×10^{11}
(want at least 4×10^{11}).

Schedule (1)

- Thur 1 Nov:
 - 1) Blue cool-down begins.
 - 2) 7 am to 7 pm power outage (Booster).
 - 3) Accelerate Au³¹⁺ to full energy in Booster; extract, transport to AGS and inject.
- Fri 2 Nov: Setup Booster-AGS synchro, cogging and merge.

Schedule (2)

- Sat 3 Nov: Accelerate Au77+ to full energy in AGS, extract and transport to w dump.
- Sun 4 Nov: Back to d. Establish d-Au mode switch from Tandem to w dump.
- Mon 5 Nov: Blue cold (4K). Optimize d-Au.
- Tue 6 Nov: Optimize d-Au.
- Wed 7 Nov: Nighttime d in blue.
- Thur 8 Nov: Yellow cold (4K).

RHIC Shift Schedule

emacs: rhicShiftSchedule.html

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rhicShiftSchedule.html

RHIC d-Au 2008 Shift Schedule

	Nov				Dec			
	11/05	11/12	11/19	11/26	12/03	12/10	12/17	12/24
	MTWTFSS							
OWL	1234567	8123456	7812345	6781234	5678123	4567812	3456781	2345678
DAY	7812345	6781234	5678123	4567812	3456781	2345678	1234567	8123456
EVE	5678123	4567812	3456781	2345678	1234567	8123456	7812345	6781234

	Jan				Feb			
	12/31	01/07	01/14	01/21	01/28	02/04	02/11	02/18
	MTWTFSS							
OWL	1234567	8123456	7812345	6781234	5678123	4567812	3456781	2345678
DAY	7812345	6781234	5678123	4567812	3456781	2345678	1234567	8123456
EVE	5678123	4567812	3456781	2345678	1234567	8123456	7812345	6781234

Primary Leaders		Trainees		Backup Leaders	
A = Angelika (3)				D = Dejan	
C = Christoph (8)				F = Fulvia	
J = Jorg (6)		X = Alexei		R = Wolfram	
M = Mei (5)		U = Eunmi, L = Natalia		B = Joanne	
T = Todd (7)		K = Dmitry, N = Ranjan		S = SY	
V = Vadim (2)		H = Yue			
W = Waldo (1)					
Y = Yun (4)		E = Eduard, Z = Xiangyun			

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Morning meetings

- 9 am each morning
- Large conference room
- Start Mon 5 Nov?