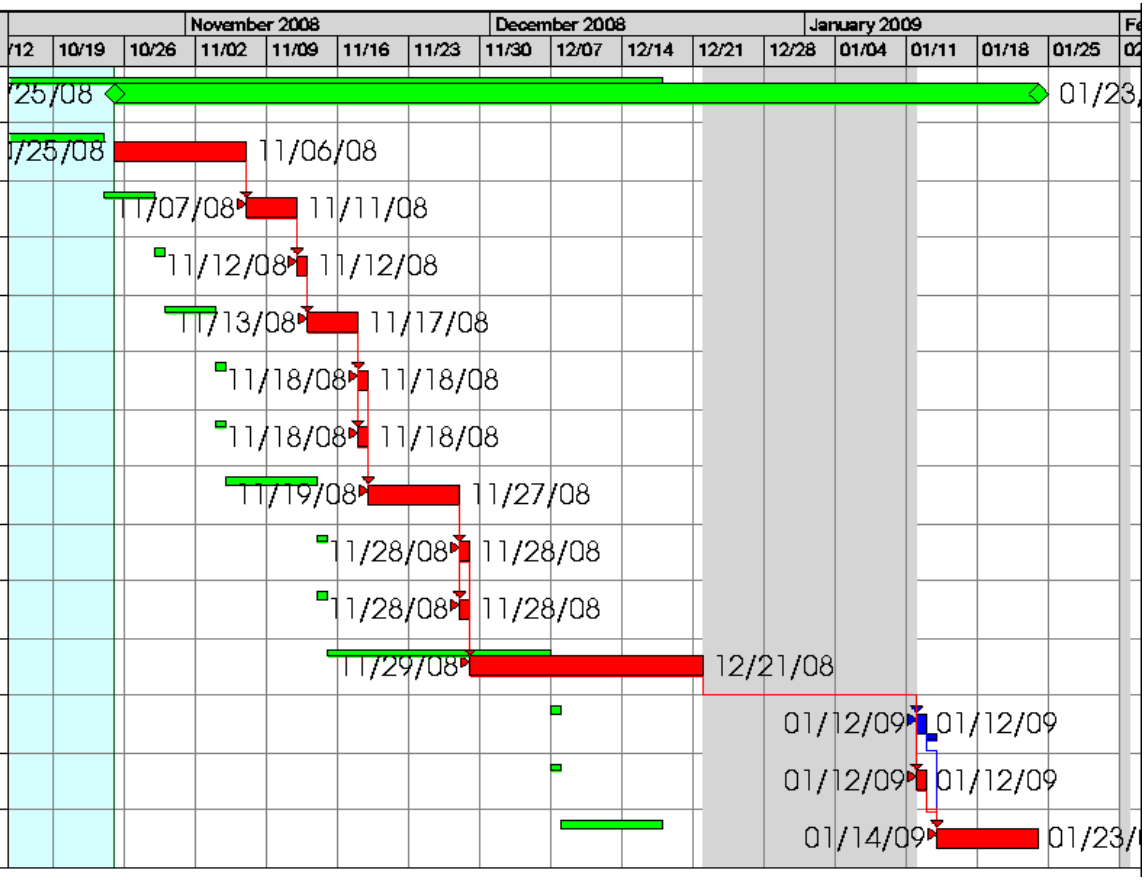
Run Plan as Scheduled

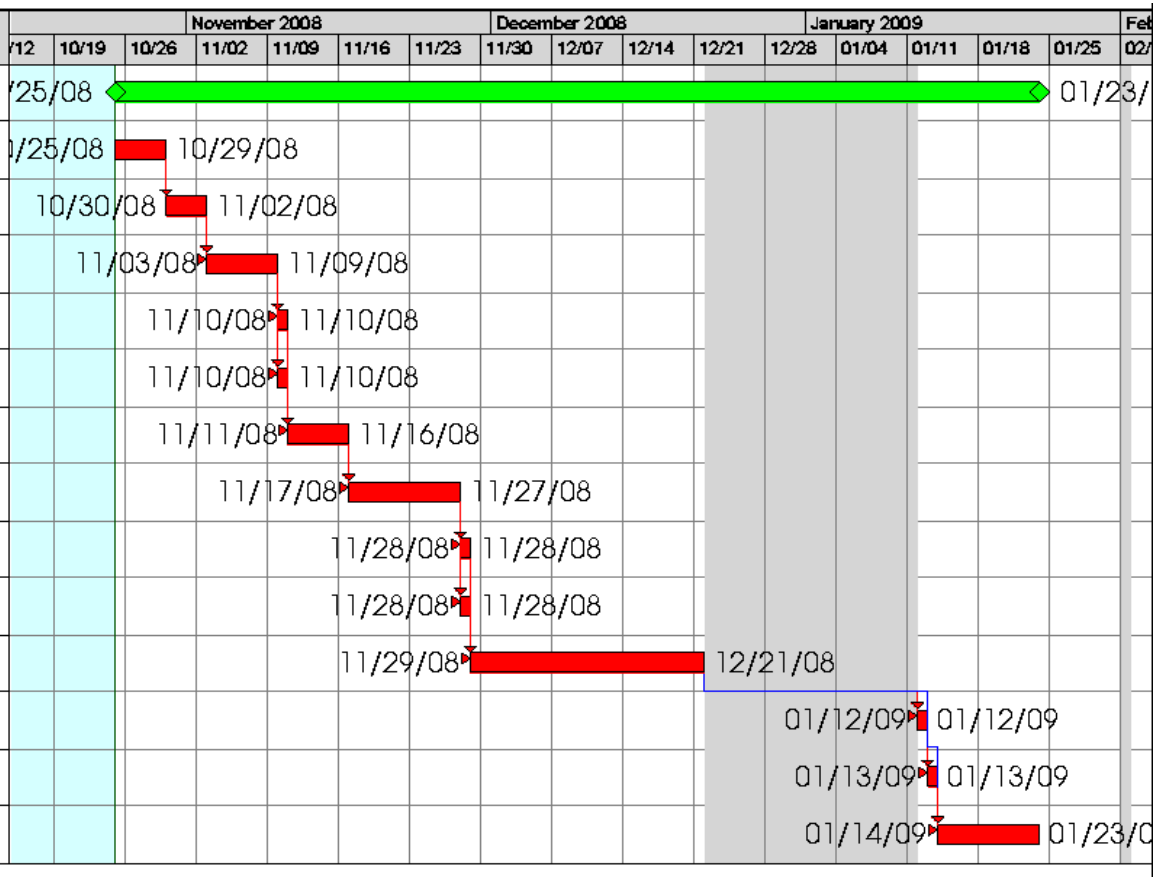
	Activity Name	Duration	Start	Finish
1	SANE Run	70	10/25/08	01/23/09
2	Commission 5.9 - 2.4 GeV	13	10/25/08	11/06/08
3	Calibration 2.4 GeV	5	11/07/08	11/11/08
4	Energy change 2 => 4 pass	1	11/12/08	11/12/08
5	4.734 GeV parallel	5	11/13/08	11/17/08
6	Target rotation 180° - 80°	1	11/18/08	11/18/08
7	Chicane alignment	1	11/18/08	11/18/08
8	4.734 GeV 80 deg.	9	11/19/08	11/27/08
9	Energy change 4 pass => 5 pas	1	11/28/08	11/28/08
10	? Chicane alignment (if needed)	1	11/28/08	11/28/08
11	5.9 GeV 80 deg.	23	11/29/08	12/21/08
12	Target rotation 80° - 180°	1	01/12/09	01/12/09
13	Chicane alignment	1	01/12/09	01/12/09
14	5.9 GeV parallel	10	01/14/09	01/23/09



	Calibration			Data				Moller		C runs		Commiss.	
Energy - field angle	B OFF	0˚	180˚	4.7 ||	4.7 80˚	5.9 80˚	5.9 ||	180˚	80˚	180˚	80˚	5-p	2p
Run plan calendar days	**1**	**2**	**2**	**5**	**9**	**21**	**10**					**11**	**2**
Run plan PAC hours	12	24	24	60	108	252	120					132	24
Proposal hours	12	24	24	70	130	200	100	7	14	7	13	144	
Proposal data + systematics				76	141	216	108	4	8	4	8		
Efficiency (proposal+syst.)/run plan (rela				1.26	1.30	0.86	0.90						

Run Plan Requested

?	Activity Name	Duration	Start	Finish
1	SANE Run	70	10/25/08	01/23/09
2	Commission/Calibration 2.4 GeV	5	10/25/08	10/29/08
3	Commission 4.7 GeV	4	10/30/08	11/02/08
4	4.734 GeV parallel	7	11/03/08	11/09/08
5	Target rotation 180° - 80°	1	11/10/08	11/10/08
6	Chicane alignment	1	11/10/08	11/10/08
7	Commission 80°	6	11/11/08	11/16/08
8	4.734 GeV 80°	11	11/17/08	11/27/08
9	Chicane alignment	1	11/28/08	11/28/08
10	Energy change 4 pass => 5 pass	1	11/28/08	11/28/08
11	5.9 GeV 80°	23	11/29/08	12/21/08
12	Target rotation 80° - 180°	1	01/12/09	01/12/09
13	Chicane alignment	1	01/13/09	01/13/09
14	5.9 GeV parallel	10	01/14/09	01/23/09



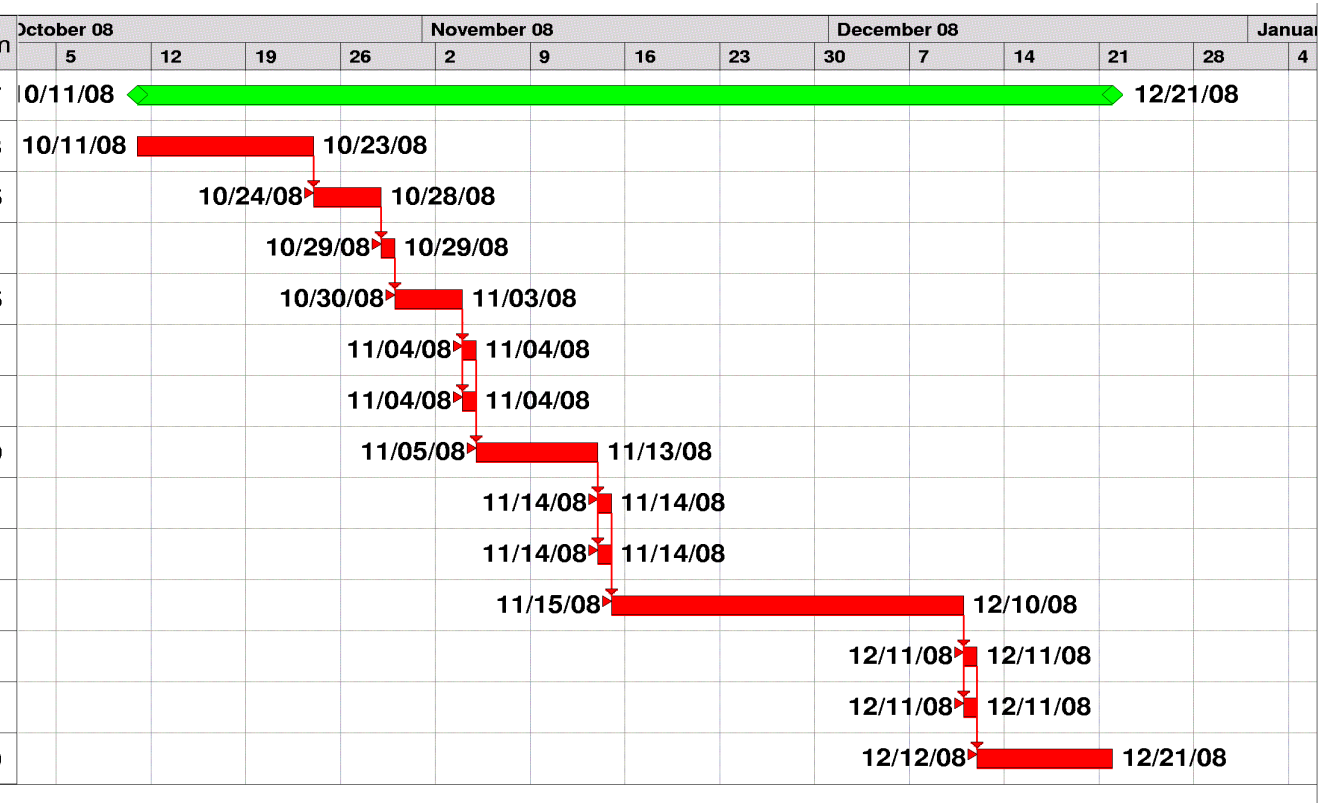
	Calibration			Data				Moller		C runs		Commiss.	
Energy - field angle	B OFF	0˚	180˚	4.7 ||	4.7 80˚	5.9 80˚	5.9 ||	180˚	80˚	180˚	80˚	4-p	2p
Run plan calendar days	**1**	**2**	**2**	**7**	**11**	**23**	**10**					**10**	**0**
Run plan PAC hours	12	24	24	84	132	276	120					120	0
Proposal hours	12	24	24	70	130	200	100	7	14	7	13	144	
Proposal data + systematics				76	141	216	108	4	8	4	8		
Efficiency (proposal+syst.)/run plan (rela				0.90	1.07	0.78	0.90						

TARGET OPERATION

- 7) Plan for irradiation of new target material
  - Cool down at UVA in August to select existing and possible newly NIST-irradiated material for run: we need a minimum of 4 cup loads that polarize to > 85% in the lab in < 1 hr.
  - Plan to use up to a shift and a half of beam at 1000 nA midway during commissioning to irradiate, followed by an anneal and TE to measure polarization with some accuracy after irradiation. A 12 h irradiation at 1000 nA would deliver a very uniform dose of ~2.7×10^{17} electrons/3.6 cm² raster area (this might be too a high dose for cold irradiation).
    - If this approach works, assuming we don't have enough material to begin with, we could use the calibrations at 1 μA to irradiate more material. The run plan includes 120 h of 1 μA calibration beam, so we could irradiate two full inserts to ~ 10^{17} /cm².

Run Plan before Delay

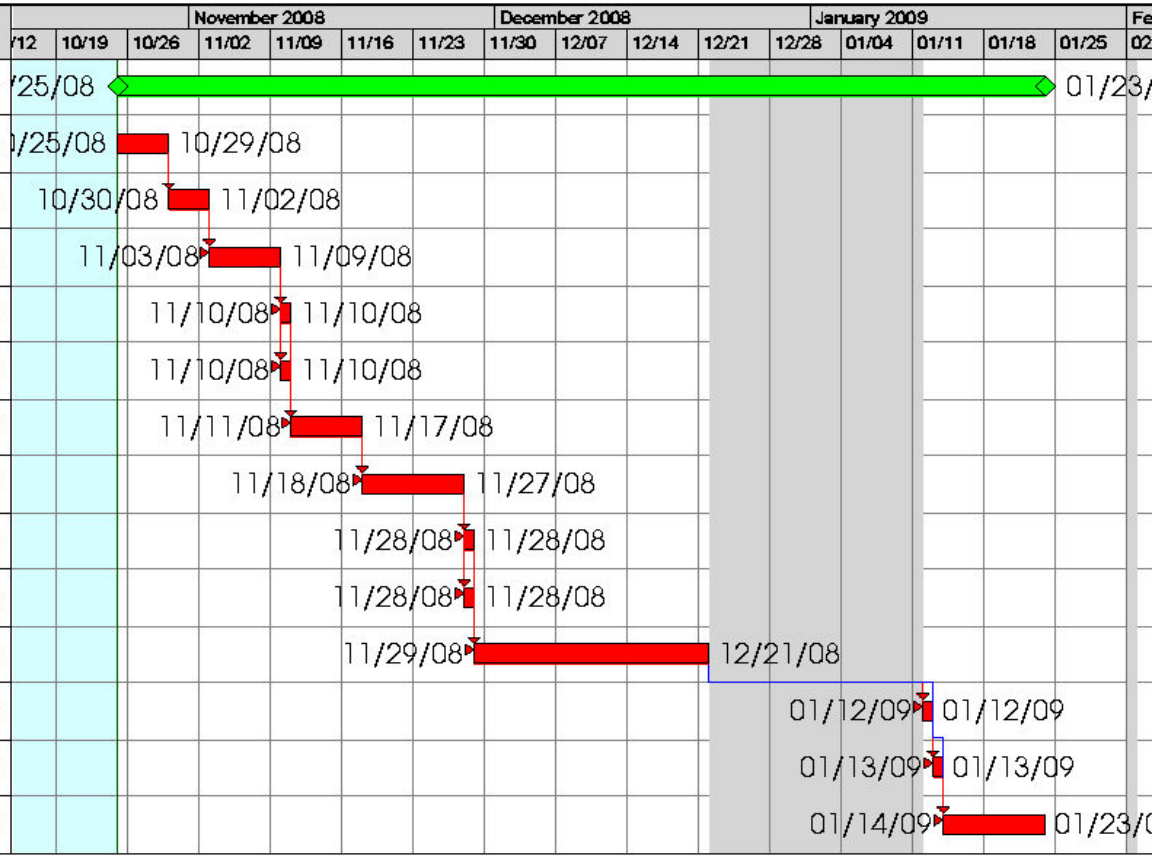
		Activity Name	Duration
1	—	***SANE Run***	67
2		Commission 5.9 - 2.4 GeV	13
3		Calibration 2.4 GeV	5
4		Energy change 2 => 4 pass	1
5		4.734 GeV parallel	5
6		Target rotation 180° - 80°	1
7		Chicane alignment	1
8		4.734 GeV 80 deg.	9
9		Energy change 4 pass => 5 pass	1
10		? Chicane alignment (if needed)	1
11		5.9 GeV 80 deg.	21
12		Target rotation 80° - 180°	1
13		Chicane alignment	1
14		5.9 GeV parallel	10



	Calibration			Data				Moller		C runs		Commiss.	
Energy - field angle	B OFF	0˚	180˚	4.7 ||	4.7 80˚	5.9 80˚	5.9 ||	180˚	80˚	180˚	80˚	5-p	2p
Run plan calendar days	**1**	**2**	**2**	**5**	**9**	**21**	**10**					**11**	**2**
Run plan PAC hours	12	24	24	60	108	252	120					132	24
Proposal hours	12	24	24	70	130	200	100	7	14	7	13	144	
Proposal data + systematics				76	141	216	108	4	8	4	8		
Efficiency (proposal+syst.)/run plan (rela				1.26	1.30	0.86	0.90						

Run Plan Mark's Proposal (10 d.)

	Activity Name	Duration	Start	Finish
1	SANE Run	70	10/25/08	01/23/09
2	Commission/Calibration 2.4 GeV	5	10/25/08	10/29/08
3	Commission 4.7 GeV	4	10/30/08	11/02/08
4	4.734 GeV parallel	7	11/03/08	11/09/08
5	Target rotation 180° - 80°	1	11/10/08	11/10/08
6	Chicane alignment	1	11/10/08	11/10/08
7	Commission 80°	7	11/11/08	11/17/08
8	4.734 GeV 80°	10	11/18/08	11/27/08
9	Chicane alignment	1	11/28/08	11/28/08
10	Energy change 4 pass => 5 pass	1	11/28/08	11/28/08
11	5.9 GeV 80°	23	11/29/08	12/21/08
12	Target rotation 80° - 180°	1	01/12/09	01/12/09
13	Chicane alignment	1	01/13/09	01/13/09
14	5.9 GeV parallel	10	01/14/09	01/23/09



	Calibration			Data				Moller		C runs		Commiss.	
Energy - field angle	B OFF	0˚	180˚	4.7 ||	4.7 80˚	5.9 80˚	5.9 ||	180˚	80˚	180˚	80˚	5-p	2p
Run plan calendar days	**1**	**2**	**2**	**7**	**10**	**23**	**10**					**11**	**0**
Run plan PAC hours	12	24	24	84	120	276	120					132	0
Proposal hours	12	24	24	70	130	200	100	7	14	7	13	144	
Proposal data + systematics				76	141	216	108	4	8	4	8		
Efficiency (proposal+syst.)/run plan (rela				0.90	1.17	0.78	0.90						