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Beam Schedule - Edit/View Form #61813

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on: Kent Paschke (pasc 6: PHALLA	chke@jlab.org)		Status: Sav Da
		JSA	
		ON NATIONAL ACCELERATOR FACILITY	
		2000 Jefferson Avenue	
		ewport News, VA 23606 Phone: (757) 269-7100	
	ľ	-110He. (131) 209-1100	
		Beam Schedule 61813	
eriment Title: <i>PREX-II:</i> E12-11-101	Precision Parity-Violating	Measurement of the Neutron Skin of Lead	
eriment Hall			
+)			
t fraction of the PAC-a	approved runtime for your o	experiment is included in this request?	
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Appendix B

Proposed A	pparatus or Beam Deve	elopment Run Schedu	ıle		
beam condit	these forms for each propions, etc, for the entire Differergies must be run be	evelopment Run. Under			
Identify the	goals of the developmen	t run and indicate the	experiment(s) for which	th the proposed rup is a	relevant:
dentity the	goals of the developmen	t run and malcate the	experimenc(s) for which	in the proposed run is i	elevant.
					<i>l</i> ₂
NOTE: INDICA	ATE ALL MAJOR EQUIPMEN	T CHANGES, BREAKS, IN	STALLATION OR SETUP, (OR MAINTENANCE DAYS,	ETC. ON SEPARATE LINES
	Setup Number**	Special Requirem	ients Include any varia	nce from standard bea	m conditions special
Days	from Radiation		s, special beamline or	experimental equipme	nt, and associated setu
	Budget Form		and installation	times in the hall, etc	
*Assume 11	00% efficiency for acceler	ntor and experimental i	onerations ** Provide se	etun numhers as indicat	ed on the Radiation
Budget For		tor and experimental (speracions. Trovide se	ccup numbers as mareae	ed on the Addidition
Appendix C					
Pre-Installa	ation Requirements				
	-		· · · · · · · · · · · · · · · · · · ·		
	ges, additions, and enhanc a listed below the followir				
required for	the work; when the work	will be done; and the w	ork location.		
Engineering	and Design:**				
	d Engineer: target and	scattering chamber, o	collimators, shielding.		
	, J J	3 , .	, , , , , , , , , , , , , , , , , , ,		
					4
Equipment t Target: Tar	to be Fabricated:***				
Collimator,	shielding: Hall A				
Detector si	upport: Users (SBU)				
					1,
Pre-Installat Indicate loca	ion Tests: (Identify any d ations.)	evelopmental activitie	s with or without bean	n, associated with the e	equipment changes.
					6
* See the H	Hall leader for a list and a	escription of standard	eauinment ** Complete	requirements must be	nrovided for equinment
	JLab engineering and design				
	011 0001110011101100				
INSTALLATI	ON REQUIREMENTS				
	m below, identify days to each subsystem, and the			welder, electrician, prog	rammer, etc.), manweek
or errort for	each subsystem, and the	man entore (Oser/3 Lab	starr/contractor).		
	Equipment to be	Time (days) (Assuming 100%	Type of Manpower	Man-Weeks of Effort	User/JLab
	installed	efficient operation)			Staff/Contractor
	beam collimator	5	survey group		JLab Staff
Alignment	sieve target				
-	Q1 collimator compton pol.				
		II .	zII	All	-ii
	To all dad 1		2	//	4
	Included in septum and moller polarimeter			//	4

	beam colimator, septum, septum beamline, shielding	58	Hall A Technical Staff		
Detector	change HRS stack Install Quartz/GEM stack	12	Jack/Hall A staff Users		Jack, SBU and ISU users
Target	target chamber, cryogenic system, target ladders	19	Hall A staff		Hall A staff, Target Group
Beamline (including Radcon)	Collimators, beam pipe in pivot region (included in septum mechanical installation)				
Modifications to Standard Equip	0				
Slow Controls (EPICS)	0				
Other	Moller polarimeter	15	Hall A staff, users		
Equipment t removed Target		Time (days) (A 100% efficient		ETTOIT	of User/JLab Staff/Contractor JLab Staff
collimator	pivot	2	Hall A Tech, R	ad	JLab Staff
Septum/vacı	uum pivot	10	Hall A Tech, R	ad	JLab Staff
Quartz/GEM	HRS	1	Users		users
Obtain hall l	eader's concurrence th	at the information in	this Appendix is understood	and adequate for s	schedule planning
		i for irradiation activ	ities. (Include in the propo	sed commissioning	and run schedule all
		rations to standard cu			<i>/</i> ₀
Describe any c	changes and/or modific	cacions to standard ci	yogenic targets.		
	:hanges and/or modifi on a cryogenically c		yogenic targets.		e e

Appendix E	Appendix E					
Data Acquisit	ion					
Indicate the anticipated data acquisition rates (peak and averages) as well as the anticipated total data going to media.						
Data Acquisition Rate Peak (megabytes/second):						
0.7						
Rate Average	(megabytes/second):					
0.4						
Total Data Goi	ng to Media (gigabytes):					
Indicate the p		o the data acquisition s	ystem. Include a schedi	ıle of developmental ac	tivities identifying who	
	s essentially ready.					
					le le	
	roposed modifications t	o the controls system. I	nclude a schedule of de	velopmental activities	identifying who is	
doing the work	k. Inet and target require	e additional controls.				
					6	
Appendix F						
User Staffing		an construction testing	. commissioning suppin	a deinstallation and de	to reduction and	
analysis), indic	of the experiment (desi ate the number of onsite ad to collaboration mem	FTE users you anticipat	e, the incremental offic			
atteady provide	Collaboration FTEs			How long is space		
	at JLab	Storage Space	Laboratory Space	needed?	Comments	
Destas	0.5 yr	25 m^2	100 m^2	0.5 yr		
Design						
	0.5 yr	25 m^2	100 m^2	0.5 yr	<i>(</i>)	
Construction						
		,	<i>(i</i>	<i>(</i>)		
	0.2 yr	25 m^2	100 m^2	0.2 yr	- septum tests - electronics tests	
Testing						
		//	//	//	//	
	1.6 yr	25 m^2	100 m^2	0.1 yr		
Commissioning						
	3.2 yr	25 m^2	80 m^2	0.2 yr	<i>(</i>)	
Running						
			//	<i>/</i>		
	0.1 yr	10 m^2	80 m^2	0.1 yr		
Deinstallation						
		//	//	//	//	
	0.1 yr	10 m^2	80 m^2	0.1 yr		
Decommission	//	//	//	//	<i>(</i>)	

Data	4.0 yr	0	80 m^2	1 yr	a	A
If you red informati	ion	e, you need to conto	act the User Liaison Office	at 757.269.6388 or use	ers@jlab.org for ad	ditional Clone This Form
-Attachments -					L	Cione mis roim
	Add URL					
Signatures — There are no	signatures					

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