NLCTA

BEAM AUTHORIZATION SHEET

EXPERIMENTS: **NLCTA** DATE OF ISSUE: April 30, 2002

OFFICIAL NLCTA COPY X	RP COPY o	ADSO COPY o	SO COPY o	OHP COPY o

FROM: 05/01/02 **TIME:** 00:00
TO: 11/31/02 **TIME:** 24:00

ALL RF PRE-RUNNING CONDITIONS MUST BE SIGNED OFF BEFORE RUNNING RF IN THE NLCTA.

All **RF** Pre-Running Conditions have been signed off:

OIC: _____ Date/Time: 5/16/02 11:38

ALL PRE-RUNNING CONDITIONS MUST BE SIGNED OFF BEFORE RUNNING BEAM IN THE NLCTA.

All Pre-Running Conditions have been signed off:

OIC: _____ Date/Time: 5/16/02 11:38

All pertinent Radiation Safety Work Control Forms that affect this BAS have been reviewed:

ADSO: _____ OIC: _____

NOTE: • This BAS remains in effect unless voided by the Accelerator Safety Office, Radiation Physics or the NLCTA Safety Officer.

APPROVAL

RADIATION PHYSICS _____ W. R. Nelson/S. Rokni

ACCEL. DEPT. SAFETY OFFICE _____ M. Saleski / P. Miller

NLCTA (S.O/O.M.) _____ K. Jobe/M. Ross

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CHECK-OFF BOXES FOR REVIEW OF BAS: READ *MODIFICATIONS* AND *RUNNING CONDITIONS*

TIME				05/01	05/02	05/03	05/04	
00	-	-						SO
08	-	-						
16	-	-						
	OIC	OIC	OIC	OIC	OIC	OIC	OIC	

TIME	05/05	05/06	05/07	05/08	05/09	05/10	05/11
00:00							
08:00							
16:00							
	OIC	OIC	OIC	OIC	OIC	OIC	OIC

TIME	05/12	05/13	05/14	05/15	05/16	05/17	05/18	
00								SO
08								
16								
	OIC	OIC	OIC	OIC	OIC	OIC	OIC	

TIME	05/19	05/20	05/21	05/22	05/23	05/24	05/25
00:00							
08:00							
16:00							
	OIC	OIC	OIC	OIC	OIC	OIC	OIC

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MODIFICATIONS TO THIS BAS

ITEM	DATE/ TIME	APPROVALS			CHANGES OR ADDITIONS*
		RP	ADSO	OIC/SO	

* Items changed must be entirely rewritten and a single line drawn through items changed.

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ALLOWABLE BEAM TYPE: Electrons

ITEM	RUNNING CONDITIONS
	General
1	The OIC must confirm the integrity of all PPS components and radiation safety items in the NLCTA per the "Weekly NLCTA Checklist" procedure [02-03-12] and "PPS Interlock Checklist" procedure [02-03-03.]
2	The OIC must review the appropriate Radiation Safety Work Control Forms after work on radiation safety items are performed.
3	BSONLC 1 - 8 must be set to trip at 10 mrem/hr, BSONLC 9 - 10 must be set to trip at 100 mrem/hr. BSONLC 1 - 10 must remain active at all times.
	Unattended Operation (without beam)
4	When an NLCTA operator is not present: a) the Gun H.V. must remain locked off and b) an *NLCTA Daily Inspection Checklist for Unattended Operation Without Beam* (02-03-11) must be completed each weekday.
	Operation With Beam
5	The Protection Ion Chambers IONC 1 through 8 must remain active at all times. The trip levels (set to 50nA or less) must be checked per the "Beam Containment Daily Checks" procedure [02-03-07]
6	Performance of the circuit limiting the beam power must be checked per the "Beam Containment Daily Checks" procedure [02-03-07]
7	Beam operation in the NLCTA is limited to 10 Hz or less. The rep rate limiting electronics must be checked as per the "Beam Containment Daily Checks" procedure [02-03-07]
8	The maximum allowable energy (unloaded) gain in NLCTA is 650 MeV.

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ITEM	DATE/ TIME	CKD. BY	OIC ACKN.	INITIAL CHECKOUT
1				Test that PICs respond to beam after beam is established.
2				Radiation surveys outside and on top of the NLCTA must be performed if and when the energy of the beam gets above 200 MeV.

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NOTE: The stopper enable key may not be released until all pre-running conditions have been satisfied, except as required by PPS certification.

ITEM	DATE TIME	CKD. BY	OIC ACKN.	*RF* PRE-RUNNING CONDITIONS
1	5/15/02 09:18	JC		BSOICs must be calibrated and trip circuits checked per "NLCTA BSOIC Certification Procedure (with source)" [02-03-05]
2	5/16/02 1045	WRW		Location of BSOICs must be checked by Radiation Physics
3	5/16/02 1045	WRW		The integrity of NLCTA enclosure (walls & roof) must be verified by Radiation Physics (note: the roof penetrations no longer are required to be shielded).
4	5/16/02 1045	WRW		The roof blocks must be chained and locked with an ADSO padlock.
5	5/16/02			The Radiation Physics penetration (R.P. on map) must be filled and locked with an ADSO padlock.
6	5/14/02 1727	PBong		PPS must be certified by an approved member of the PPS group per procedures: -NLCTA Interlock Certification (PPS) [18-29-01] -NLCTA Electrical Hazards Certification [18-29-02] -NLCTA Radiation Certification [18-29-03].
7	5/10/02			The roof area is posted as a Radiation Area. A sign stating *"For access to roof, please contact NLCTA OIC (x5482)"* must be posted at the top of the stairs to the roof area.

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ITEM	DATE TIME	CKD. BY	OIC ACKN.	*BEAM* PRE-RUNNING CONDITIONS
1	5/3/02 1210	[signature]	[signature]	BCS must be certified per "NLCTA BCS PIC Pre-Run Checkout" procedure [18-08-80].
2	5/16/02	[signature]	[signature]	NLCTA gun deck electronics must be locked with an ADSO Safety Padlock.
3	5/16/02	[signature]	[signature]	Protection collimators at the first chicane bend (A on map) and at the spectrometer bend (B) must be in place.

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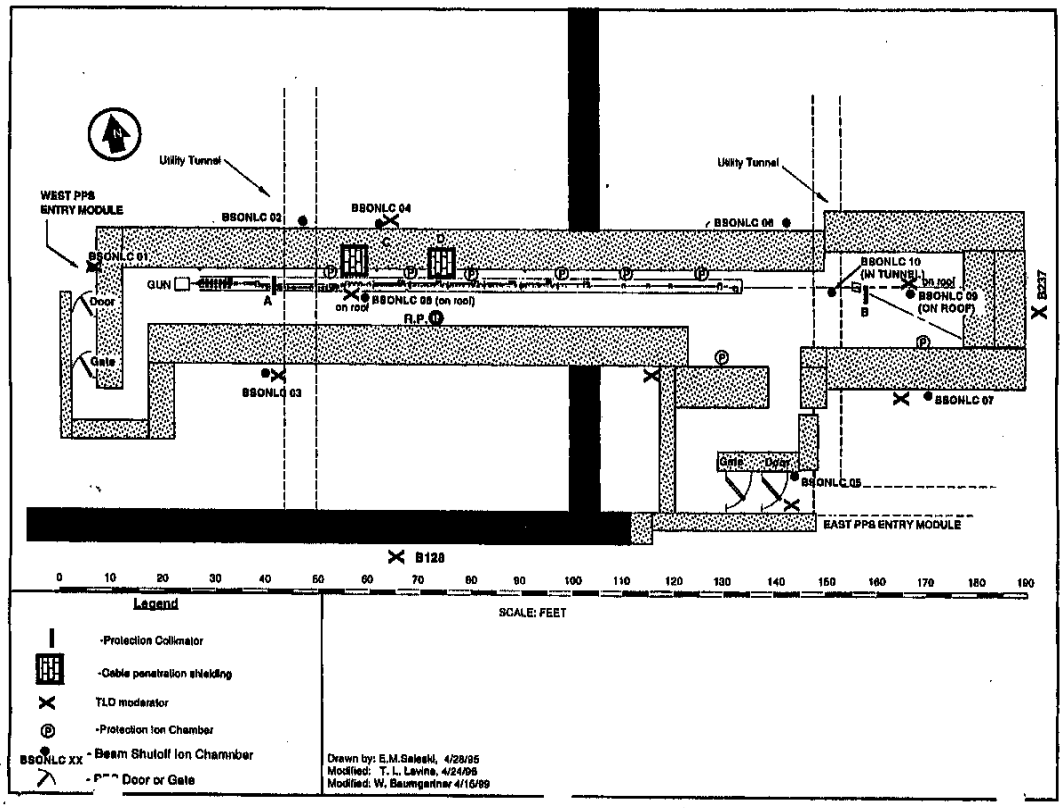

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