

Shot Type 2: ALT Non-propagating Checklist S-AB-P-145 Rev A

Intent: This procedure is used by the Laser Alignment Technician in preparing for a non-propagating shot.

The appropriate Beamlines shutters must be closed for these operations.

Type	Beam Path Blocks
2	<ul style="list-style-type: none">• Injection Cal.'s• SY Cal.'s• IRDP block

Closed access is required.

Review the Beamline termination/configuration checklist with the Beamlines Operator. The following communications are to be performed on Channel 2.

ALT Shot Type 2 Checklist:

	Verify the following for each BL in the shot:	BL1	BL2	BL3	BL4
1	Verify all beam enclosures are secure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Check that all side panels on IRDP, IRAT, and INJ tables are in place.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Check that IRAT shutter is IN the beam.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Verify Injection ASP Shutter is IN the beam.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	IRDP beam blocks are IN the beam.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	IRDP Shot Mirror is IN the beam.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	System Cross-Hair is OUT of the beam.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Ensure that any special setups required by the PI are in place.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Injection Calorimeter is in the beam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	SY Calorimeter is IN the beam.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Report to BLO that the Configuration checklist is complete.	<input type="checkbox"/>			
12	Sign and hand this checklist to the BLO.				
	(end)				

ALT Configuration Table

Injection Calorimeter is IN the beam.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SY Calorimeter is in the beam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fluorescence detector scope armed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Special setups per PI/System Science instructions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

BLO: _____ **Time/Date:** _____

ALT: _____ **Time/Date:** _____

Document Release:

Shot Type 2: ALT Non-propagating Checklist; S-AB-P-145

Approval for release of this document into the PDM system was granted by:

- S. Loucks; Director, LLE Engineering Division
- S. Morse; OMEGA EP Project Manager
- J. Edwards; OMEGA EP System Engineer
- R. Jungquist; OMEGA EP Laser Sources Subsystem Engineer