



# AIPINJ Phase I Commissioning

- Please submit ATLis testplans ASAP
- Shooting to *finalize* commissioning schedule April 5<sup>th</sup>
- Today's Brief Agenda –
  - Commissioning Wiki, Procedures Sharepoint
  - Control Room Staffing, On-Call Support
  - High-level schedule overview
  - Peek at ATLiss

# Commissioning Organization

- Wiki – [https://wiki.jlab.org/ciswiki/index.php/Phase\\_1\\_-\\_HCO\\_%26\\_Commissioning](https://wiki.jlab.org/ciswiki/index.php/Phase_1_-_HCO_%26_Commissioning)
  - HCO broad schedule for April
  - Repository for Commissioning ATLiss
  - Day-to-day commissioning schedule to be posted here
- Sharepoint – <https://jeffersonlab.sharepoint.com/sites/CEBAFInjectorSetupProceduresDevelopment>
  - Injector Procedures Workspace
  - Area to post draft procedures, notes, all things applicable to procedure development, from Gun → ILD
  - Surles-Law and Moser administrators – shoot issues our way

# Control Room Staffing & On-Call Support

... in the age of COVID

## OCCUPANCY LIMITS

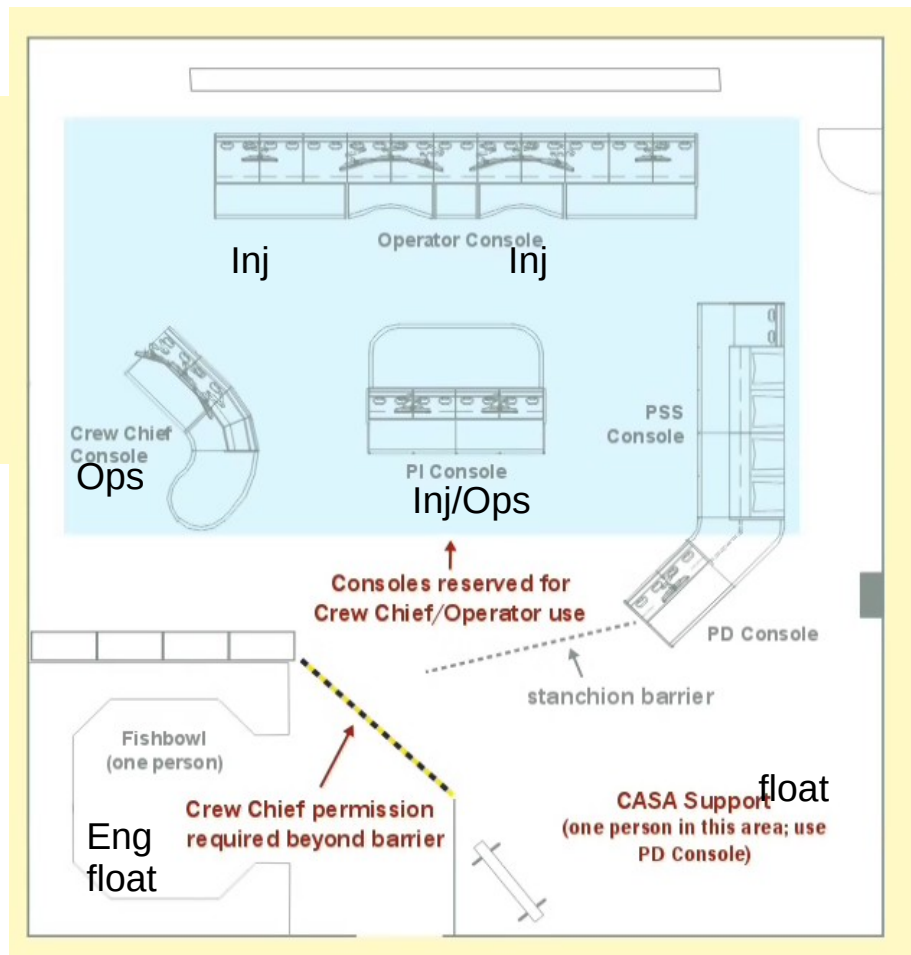
**Operator/Crew Chief Area: 4**

**Conference Area: 1**

**Fishbowl Area: 1**

On-Call Support?

- Handle like UITF? – on-call support during usual business hours, punch-list of items as they arise after hours, to be addressed next day?
- All needs addressed?



# High-Level Schedule

Activity	4/5	4/12	4/19	4/26	5/3	5/10	5/17	5/24	5/31	6/7	6/14	6/21	6/28	7/5	7/12	7/19	7/26	8/2	8/9	8/16	8/23	8/30	
Inj Beamline PSS Certs				?				ALL INFORMATION DISPLAYED SUBJECT TO CHANGE															
Gun HV Processing	?																						
Injector HCO																							
Inj 500keV Commissioning																							
Full CEBAF PSS Certs																							
CEBAF HCO																							
Inj FC#2 Commissioning																							
Inj ILD Commissioning																							
NL SRF Commiss.																							
SL SRF Commiss.																							
NL -> 2K (CHL-2) (current best estimate)																							
CHL-1 Commissioning																							
SL -> Stable 2K (CHL-1) (current best estimate)																							
Inj ILD Physics Setup																							
CEBAF Restoration																							
RF optimization; Collaborative Checks																							
Physics																							

# ATLiss (updated today)

POC	Test Plan/Activity	ATLis #	Anticipated Duration
<b>Injector Locked Up, No Beam</b>			
Hernandez-Garcia	Gun HV Processing	21911	10 shifts
<b>Injector Only, 130kV Gun</b>			
Kazimi	Initial Beam Threading	22060	13 shifts
Kazimi	RF Element Setup	22060	3 shifts
Kazimi	Wien Setup	22060	3 shifts
Kazimi	INJ-I Optics Measurements	22060	4 shifts
Kazimi	CW to FC#1 Setup	22060	2 shifts
Grames	130keV Gun Calibration	?	1/8 shift
Grames	Lifetime @ 130keV baseline	?	1 shift
Turner	130keV QsUtility	21923	2 shifts
Poelker	Wien ToF @ 130keV	?	1/2 shift
Palatchi	Cathode 45deg Rotation and Spot Moves	22040	1 shift
Palatchi	130keV Sensitivity Test	22050	1/4 shift
Kowal	PSS Kicker Tests @130kV	22061	1/2 shift
<b>Injector and NL, 130kV Gun</b>			
Suleiman	Spin rotator tests	?	3 shifts
Grames	Test MFG Field Maps	?	1/2 shift

POC	Test Plan/Activity	ATLis #	Anticipated Duration
<b>Injector Only, 200kV Gun</b>			
Grames	Lifetime @ 200keV test	?	1 shift
Poelker	Wien ToF @ 200keV	?	1/2 shift
Kazimi	200keV Beam Threading	22060	3 shifts
Kazimi	200keV RF Setup	22060	2 shifts
Kazimi	200keV Wien Setup	22060	2 shifts
Palatchi	200keV Sensitivity Test	22051	1/4 shift
Poelker	Transmission vs Gun Voltage	?	?
Kowal	PSS Kicker Tests @200kV	22061	1/2 shift
<b>Injector and NL, 200kV Gun</b>			
Palatchi	RTP Pos Diff Fdbk Convergence FC#2 Test	22053	1 shift
Palatchi	Transmission test gun 200keV	22052	1/4 shift

- *Current Total # Beam Commissioning Shifts @ 130kV = ~33shifts*
- *Current Total # Beam Commissioning Shifts @ 200kV = ~11shifts*

These totals will change.