

# Run Documentation and Shifts

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May 29<sup>th</sup>, 2019

# Outline

- Safety Documents
- Required training for shifters
- Operation manuals
- Detector commissioning plans
- Shift schedule
- System Readiness

# Safety Documents

|      | Title                                     | Pages | Date           |
|------|---|-------|----------------|
| COO  | HPS Conduct of Operation for Hall-B       | 16    | May 10, 2019   |
| ESAD | HPS Experiment Safety Assessment Document | 18    | May 24, 2019   |
| RSAD | HPS Radiation Safety Assessment Document  | 7     | May 28, 2019   |
| ERG  | Hall-B Emergency Response Guidelines      | 12    | April 11, 2018 |

All documents are in a good shape. We are ready to take beam.

Shift takers **HAVE TO BE FAMILIAR** with safety documents, with safety hazards and protection systems in the all B Counting House and Experimental Hall

# Required training for shifters

BE PREPARED FOR YOUR SHIFT

- ES&H Orientation (SAF100)
- Radiation Worker I training (SAF801T, written exam, on site ONLY)
- ODH training (SAF103)
- General Access Radiological Work permit (SAF801kd)
- Physics Division Work Governance (SAF116kd)
- Hall-B Worker Safety Awareness Training (SAF111, guided walk-through, on site ONLY)

[https://www.jlab.org/human\\_resources/training/webbasedtraining](https://www.jlab.org/human_resources/training/webbasedtraining)

# Reminder

- No one under 18 years may enter the halls
- No sandals or open toe shoes in the hall
- No shorts, long pants are required in the hall
- No food or drinking inside the halls
- Check postings at the entrance to the hall for special requirements (e.g. **hardhats are mandatory** in Hall B and often required in the other halls). *If in doubt, please contact the Hall Work Coordinator or his/her designee,*

Hall B - Denny Insley [cell (757)-810-9576, [dinsley@jlab.org](mailto:dinsley@jlab.org)]

# HPS Shifts Schedule

| Date                     | Expert Owl<br>(00:00-08:00) | Expert Day<br>(08:00-16:00) | Expert Swing<br>(16:00-24:00) | Worker Day<br>(07:00-15:00) | Worker Swing<br>(15:00-23:00) | Worker Owl<br>(23:00-07:00) |
|--------------------------|-----------------------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|-----------------------------|
| 13-Jun-2019<br>Thursday  | Marco Battaglieri           | Bryan McKinnon              | Daria Sokhan                  | Norman Graf                 | Luca Marsicano                | Youri Sharabian             |
| 14-Jun-2019<br>Friday    | Marco Battaglieri           | Bryan McKinnon              | Daria Sokhan                  | Norman Graf                 | Luca Marsicano                | Youri Sharabian             |
| 15-Jun-2019<br>Saturday  | Marco Battaglieri           | Bryan McKinnon              | Daria Sokhan                  | Norman Graf                 | Luca Marsicano                | Youri Sharabian             |
| 16-Jun-2019<br>Sunday    | Marco Battaglieri           | Bryan McKinnon              | Daria Sokhan                  | Norman Graf                 | Luca Marsicano                | Youri Sharabian             |
| 17-Jun-2019<br>Monday    | Marco Battaglieri           | Bryan McKinnon              | Daria Sokhan                  | Norman Graf                 | Luca Marsicano                | Youri Sharabian             |
| 18-Jun-2019<br>Tuesday   | JLAB                        | SLAC                        | SLAC                          | SLAC                        | Luca Marsicano                | Massimo Carpinelli          |
| 19-Jun-2019<br>Wednesday | JLAB                        | SLAC                        | SLAC                          | SLAC                        | Luca Marsicano                | Massimo Carpinelli          |
| 20-Jun-2019<br>Thursday  | JLAB                        | SLAC                        | SLAC                          | SLAC                        | Luca Marsicano                | Massimo Carpinelli          |
| 21-Jun-2019<br>Friday    | JLAB                        | SLAC                        | SLAC                          | SLAC                        | Luca Marsicano                | Massimo Carpinelli          |
| 22-Jun-2019<br>Saturday  | JLAB                        | SLAC                        | SLAC                          | SLAC                        | Luca Marsicano                | Massimo Carpinelli          |

- Experiment will begin on June 17th
- We have only ONE DAY staffed as for now
- JLAB and SLAC folks, please sign up !

# Required Documentation

- Manuals
  - SVT
  - Ecal
  - Hodoscope
  - DAQ/Trigger
  - Beam line
  - Slow control

ALL MANUALS ARE NOT UPDATED

- Commissioning Plans
  - Beam line
  - DAQ/Trigger
  - SVT
  - Ecal
  - Hodoscope

NOT READY

## Procedures

- Commissioning Plans:
  - Beamline
  - Trigger
  - ECal
  - SVT
- SVT TOSP (1,2,3)
- Tunnel/Hall Access
- Power Failure

## Manuals

- Harp Scans
- Beam Trip Runs
- SVT
- ECal (Annex)
- DAQ
- Beamline
  - Turning Chicane ON/OFF
  - Chicane Settings
  - FSD
- Slow Controls

[https://wiki.jlab.org/hps-run/index.php/The\\_HPS\\_Run\\_Wiki](https://wiki.jlab.org/hps-run/index.php/The_HPS_Run_Wiki)

# System Readiness(Hot Checkout)

HPS Run Wiki → Hot Checkout

- All subsystems have to be ready by the time of the experiment start up
- Login to the System readiness page
- Find your detector
- Make status **CHECKED**
- Make status **READY**

**System Readiness (HCO)**

Readiness Signoff Masks Checklists Links Reports Help

Choose... **Readiness**

All Components {9,714} (123 Masked)

Expand All Collapse All

- ✖ JLAB
  - ✖ CEBAF
  - ✖ LERF
  - ✔ Cryo
  - ✖ Facilities
  - ✖ Hall A
  - ✖ Hall B
    - ✖ Hall B Beamline
    - ✖ Hall B Detectors
      - ✖ Hall B HPS Detector
        - ✖ Hall B HPS ECal
        - ✖ Hall B HPS Hodo
        - ✖ Hall B HPS SVT
          - ✖ HPS SVT FEB Cooling
            - ✖ Hall B HPS SVT
            - ✖ Hall B Controls
          - ✖ HPS SVT HV
          - ✖ HPS SVT LV
          - ✖ HPS SVT Mover
          - ✖ HPS SVT Silicon Cooling
- ✖ Hall B Acceptance
- ✔ Hall B Beam Transport Monitors
- ✖ Hall B DAQ
  - Masked (Director) CLAS12 DAQ
  - Masked (Director) Hall B DAQ
  - Masked (Director) CLAS12 Trigger
  - Masked (Director) Hall B DAQ
  - ✖ HPS DAQ
    - ✖ Hall B DAQ
- ✖ Hall B Slow Controls
- ✔ Hall C
- ✖ Hall D
- ✖ Other

**Status Key**

- NA Not Applicable
- ✔ Ready
- ✔ Checked
- ✖ Not Ready
- Masked (Director)
- Masked (Crew Chief)
- Masked (Administrator)

**Node Key**

- Category/System
- Subsystem
- Component
- Group