

CLAS12 RICH Project Midterm Status

1. The Physics Division requires that an Operational Safety Procedure (OSP) be developed for the assembly and testing of each of the pieces of Ancillary Equipment for CLAS12. Work with the RICH technical liaison and JLab management to write, review, approve and implement the OSP for these activities. We encourage the Hall B staff to work with the collaboration to develop the necessary controlled documents for the safe operation outside the hall in a format that would facilitate integration of the procedures into the Operational Safety Procedures for CLAS12.

The OSP for run CLAS12 RICH in Hall-B has been written, and been reviewed and approved.

For the commissioning without beam, the RICH will be operated in EEL-124 with the same configuration, services and safety systems (i.e. interlock) foreseen for the standard operations in Hall-B. As a consequence, the procedures for CLAS12 RICH testing in EEL-124 are the same as the one for running in Hall-B. The details of the EEL-124 setup will be described in the commissioning manual.

The RICH assembling OSP is in preparation. It will be based on the procedures already tested when the RICH module was pre-assembled at the company in Italy for delivery approval.

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2. The Operation Manual for the sub-system must be completed and reviewed as part of the CLAS12 Experimental Readiness Review.

The RICH Operation Manual has been submitted to be part of the CLAS12 ERR

3. Develop documentation for shift personnel. This documentation should be concise, accessible to anyone taking shifts, and clearly specify which operations are authorized for shift takers and which are only for experts

ESAD has been prepared ????

4. The air-cooling and nitrogen gas systems are pressure systems and approvals from the Pressure Systems design authority are required before operation.

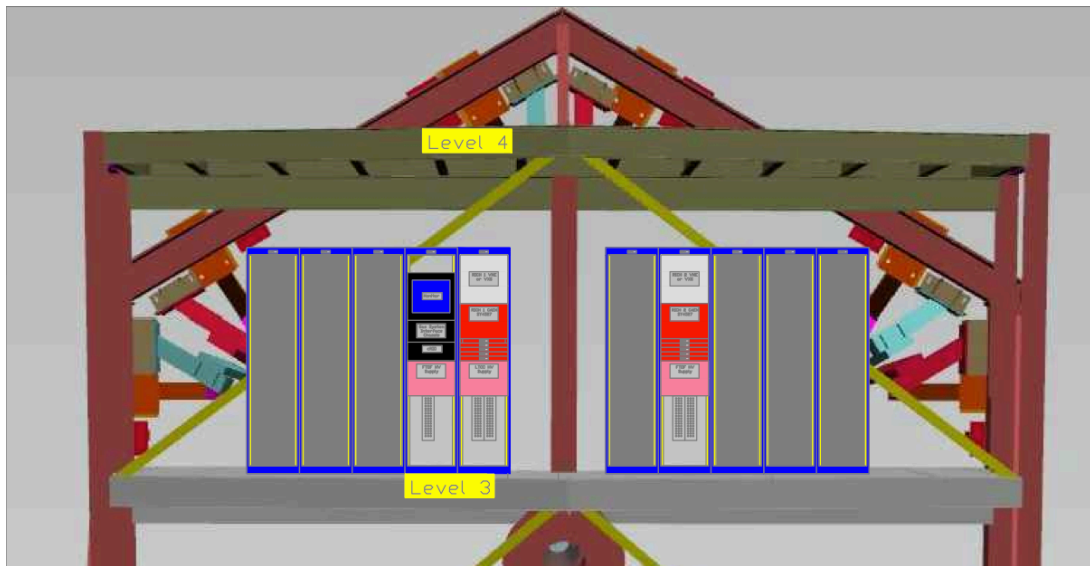
The Pressure System design has been approved as part of OSP ???

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5. The space for compressors and cabling must be clearly identified and reserved for RICH use.



Gas system on level 4: compressors (Left) tank + panels (Right)



Power supply + DAQ on level 3:
C3-5: CAEN SY4527, R649 distribution
C3-6 (or C2-4) VSX crate with fiber distribution