

RICH Upgrade Status / 10 June 2008

- RICH Assembled in Rome
- Gas-Tight tested
- PAD Chamber HV tested with CO₂
- Ready for shipping (wooden boxes in 2 days)
- SIZE: 2565 × 90 × 35 mm³



RICH installation schedule

Plan is based mainly on:

- Discussion with Jack, Vince and Alexandre.
- Minimization of risk to exposure of evaporated panels to air
- Stony Brook activities on the evaporator
- Holiday constraints (August) in Italy

Evaporation/Integration/Test/Installation

From	To	Task
16/Jun	30/Jun	Shipping Rome→USA
07/Jul	19/Jul	Evaporation at Stony Brook University
19/Jul	26/Jul	Integration at JLab
27/Jul	08/Aug	Cosmic Test (Cherenkov on Quartz window)
08/Aug	31/Aug	Additional Tests or Fixes if needed
01/Sep	06/Sep	Prepare RICH for Installation
07/Sep	Milestone	RICH ready for HRS Installation
08/Sep	12/Sep	Installation in HRS
09/Oct	...	Commissioning and Data Taking

~ 2 – 4 days of contingency for each task (test excluded)

~ 1 month from RICH ready to experiment

JLab Resources needed for the RICH installation

- Space: According to Alexandre/Jack/Vince discussion RICH will be integrated (and tests ?) in the F-Wing Computer Center.
- Integration/test:
 - ① Clean room (tent) (approx. 1 week)
 - ② Glove Box and some space around + crane (1 month at least)
 - ③ Gases: Argon, CO₂ and mixer (flammable gas cannot be used in computer center)
 - ④ HV and DAQ (minimal system)
- Installation:
 - ① 2 mechanical extensions (reuse existing ones seems possible)
 - ② Freon Circulation system
 - ③ CH₄
 - ④ DAQ

Argon or CH₄ or iner gas must be flushed on the evaporated pad all the time after evaporation till end of experiment