

CLAS12 RGK

RG-K	Experiment
E12-16-010	A search for hybrid baryons in Hall B with CLAS12
E12-16-010A	Nucleon resonances in excl. KY electroproduction
E12-16-010B	DVCS with CLAS12 at 6.6 and 8.8 GeV

- 3 experiments
- Polarized electrons on Liquid-hydrogen target
- Torus setting: Negatives out-bending

RUN CONDITIONS

PAC Experiment RATING

A -

Beam Energy

8.8 GeV (4 passes) and **6.6 GeV** (3 passes)

Beam Polarization

Longitudinal beam polarization & random helicity flip

Beam Current

60-100 nA

Number of PAC days granted

100 (12 PAC days taken in 2018) **88 days** to be assigned

Dedicated detector/target/component
(NOT YET PRESENT IN CLAS12 AS PER TODAY)

None

Any special requirement

None

Software status

Only standard detectors are used

All detectors are implemented both in GEMC and Reconstruction codes

ERR Status

Experiment ready

ERR completed, fully reapproved by Jeopardy process.