



# NPWG IN THE CLAS12 ERA

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# RELATED RUN GROUPS

Run Group	Physics	Target
B	In medium structure functions, SRC, and the EMC effect	LD2
D	Color transparency in exclusive vector meson production	Nuclear
E	Quark propagation and hadron formation	Nuclear
G	EMC effect in spin structure functions	LiH
L	ALERT Experiments	D2, 4He

Run Groups C and F use deuterium targets for neutron exp.

# RESPONSE FROM RUN GROUPS

Lamiaa El Fassi (MSU)

Service work: 2 postdocs (Krishna Adhikari and Latiful Kabir) have been developing CLAS12 DC calibration and monitoring software.

Latif will be DC calibration expert for engineering and first run.

Experiment:

Beam request for 14 PAC days during Run Group B, empty cryotarget.

Beam on Al endcaps. Requires modified Faraday Cup to handle 1 uA beam current.

7 PAC days - Color Transparency (RG D)

7 PAC days - Color Propagation (RG E)

Color Transparency beam request: [https://misportal.jlab.org/railsForms/beam\\_schedules/69128/](https://misportal.jlab.org/railsForms/beam_schedules/69128/)

Color Propagation beam request: [https://misportal.jlab.org/railsForms/beam\\_schedules/69127/](https://misportal.jlab.org/railsForms/beam_schedules/69127/)

# QUESTIONS

- How will the NPWG approach CLAS12 experiments?
  - Is there a working group involvement in the experiments or are the run groups solely responsible for experiments?
  - Are there common tools for nuclear experiments (calibrations, analysis framework, corrections)?
  - What is our involvement in the first experiment (shifts, service work)?
- How should nuclear experiments fit in the schedule?
  - Piecemeal
  - All at once