



University of New Hampshire
Department of Physics

The Polarized Target Group (Profs. Long and Slifer) at the University of New Hampshire invites applications for an experimental postdoctoral Research Associate. Our group's activities focus on the Spin Physics program at Jefferson Lab and other accelerators. We operate a Dynamic Nuclear Polarization Lab with full capabilities to produce and polarize the solid targets needed for this program. In the near term our group will focus on the Jefferson Lab A_{zz} and b_1 experiments, which will probe tensor polarized deuterons to better understand short range correlations and probe exotic six-quark quantum chromodynamic states in spin-1 systems, and the Fermilab polarized Drell Yan Experiment. The successful candidate will take a leading role in this effort, but will also be encouraged to propose and initiate new experiments.

The position is available immediately and will remain open until filled. This is a one year appointment, which will be renewed for additional years contingent upon available funding and satisfactory performance. Candidates are required to have a PhD in experimental nuclear or particle physics by the appointment start date. Experience in spin physics and/or polarized targets would be an asset, as would experience with solid ammonia and cryogenic, vacuum, millimeter wave, and 3D printing equipment.

Applicants should send a curriculum vita and research plan, as well as arrange for three letters of reference to be sent to Prof. Elena Long (elena.long@unh.edu). Inquiries may be sent to the same address. The UNH NPG's efforts are supported by the US Department of Energy under grant DE-FG02-88ER4041.

The University of New Hampshire is an Equal Opportunity/Equal Access/Affirmative Action institution and all qualified applicants will receive consideration for employment without regard to sex, race, color, religion, age, national origin, sexual orientation, gender identity or expression, veteran's status, physical or mental disability, or marital status. Candidates of all genders and underrepresented groups are strongly encouraged to apply.