

# Prestigious Fellowships

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# Nuclear Science for Nuclear Energy Fellowship

- Challenge
  - Attracting best and brightest US students who could contribute to nuclear science for nuclear energy
    - Large number of REU students at LENS labs, but tiny fraction stay in the field
- Proposal: Prestigious Fellowships for entry-level nuclear science Ph.D. students
- Complements direct support of university-PI supported grad students
- Even non-winners realize excitement of nuclear science for nuclear energy and likely to stay in the field

# Proposal

- Who applies
  - Senior undergrad or 1st year grad students
  - US citizens or perm residents
  - Demonstrate commitment to nuclear science for nuclear energy
    - E.g., did it as an REU student
- What
  - 1st year of fellowship = 1st year of award (1st or 2nd year of Ph.D. studies)
  - First summer do research in nuclear science that could be of importance to nuclear energy
  - 2nd year of fellowship
    - Contingent upon actually doing research in nuclear science that could be important for nuclear energy
    - Flexibility to spend extended time (6-12 months?) engaged in nuclear energy
      - E.g., at a DOE lab doing nuclear energy research
- Cost
  - 6 fellowships/year in steady state; \$45K/fellow
    - At least \$30K in stipend; up to \$15K educ expenses
    - \$270K total per year

# What needs to be done

- Cizewski willing to propose
- Looking for co-PIs
  - Colleges, Univs & Labs
  - Would serve on steering committee that would implement and vet applications and monitor activities of awardees