

Position Title: JPL/Caltech Postdoctoral Research Scholar

There is currently an opening for a Postdoctoral Research Scholar in JPL's Atomic and Molecular Physics Group. Candidates should have a recent PhD in Physics with a strong background in highly-charged ion collisions with electrons and neutral targets. Experience in charged-particle optics design is highly desirable. Candidates who have received their PhD within the past five years since the date of their application are eligible. Research Scholar positions are awarded for a minimum one-year period and may be renewed up to a maximum of three years, with funds for relocation and conference travel. Annual stipends start at \$52,000 USD and can vary somewhat according to the selected applicant's qualifications. The Scholar will pursue research on problems in the area of electron collisions with highly-charged ions (HCIs) using electron energy-loss methods; measurement of single and multiple charge-exchange following collisions of HCIs with gaseous targets; measurement of X-ray spectra in such collisions; and measurement of metastable HCI lifetimes using a Kingdon ion tap. Appropriate background is in the handling of low energy electron and ion beams, UHV techniques, and knowledge of charged-particle optics and basic electronics.

Please send a letter describing your research interests, a curriculum vitae, a list of three references (with telephone numbers, postal and email address) and arrange the reference letters to be sent to:

Name: Dr. Ara Chutjian

Address: JPL, MS 121-104 / 4800 Oak Grove Dr. / Pasadena CA 91109-8099

Telephone: 818.354.7012

Fax: 818. 393.1899

E-Mail: ara.chutjian@jpl.nasa.gov

Caltech and JPL are equal opportunity/affirmative action employers. Women, minorities, veterans, and disabled persons are encouraged to apply.