

**From:** Giorgio Gratta gratta@stanford.edu

**Subject:** Postdoc position(s) in my group

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Dear colleague,

I am searching for one or more new postdocs to work on various fundamental physics experiments at Stanford. Activities range from traditional nuclear and particle physics to AMO. For the most part, the new group members should be free to work on one or two of the following projects:

- Search for new interactions at a distance below 50um with levitated microspheres
- Other optomechanics topics with levitated microspheres

Some information on these two items, and a bibliography, are at

<http://grattalab3.stanford.edu/neutrino/gravity/index.html>

- R&D for the nEXO experiment (charge collection in liquid xenon, light detection with Silicon Photomultipliers, high voltage behavior in noble liquids, exotic calibration sources).

More on this at [http://grattalab3.stanford.edu/neutrino/zero\\_nu.html](http://grattalab3.stanford.edu/neutrino/zero_nu.html)

- The beginning of a new program using Mossbauer spectroscopy for precision measurements, based on <https://journals.aps.org/prd/abstract/10.1103/PhysRevD.102.115031>

- Generic R&D on novel radiation detectors

More on this at [http://grattalab3.stanford.edu/neutrino/detector\\_rd.html](http://grattalab3.stanford.edu/neutrino/detector_rd.html)

I hope you can bring this to the attention of excellent candidates you may know.

Thanks a lot for the help

Best regards

Giorgio Gratta