

From: Giorgio Gratta gratta@stanford.edu

Subject: Postdoc position(s) at Stanford

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To: Juan Collar collar@UCHICAGO.EDU, Sunil Golwala golwala@caltech.edu, Elena Aprile ea1254@gmail.com, Bill Louis (LANL) louis@lanl.gov, Rick Gaitskell Richard_Gaitskell@brown.edu, Tom Shutt tshutt@slac.stanford.edu, Akerib, Daniel akerib@slac.stanford.edu, Frank Calaprice frankc@princeton.edu, John Wilkerson jfw@physics.unc.edu, Steve Elliott elliotts@lanl.gov, Bernard Sadoulet Sadoulet@berkeley.edu, Blas Cabrera cabrera@stanford.edu, Bonnie Fleming bonnie.fleming@yale.edu, Rick Norman EBNorman@lbl.gov, KamBiu Luk k_luk@lbl.gov, Yuri Kolomenski yury@physics.berkeley.edu, Oliviero Cremonesi oliviero.cremonesi@mib.infn.it, Hank Sobel hsobel@uci.edu, Frank Avignone avignone@physics.sc.edu, Laura Baudis lbaudis@physik.uzh.ch, Jordan Goodman goodman@umdgrb.umd.edu, Janet Conrad conrad@MIT.EDU, Peter Fisher fisherp@MIT.EDU, Joe Formaggio josephf@MIT.EDU, Francis Halzen francis.halzen@icecube.wisc.edu, Carsten Heeger karsten.heeger@yale.edu, Reyna Maruyama reyna.maruyama@yale.edu, Henry Frisch frisch@hep.uchicago.edu, Mark Oreglia m-oreglia@uchicago.edu, Young-Kee Kim ykkim@hep.uchicago.edu, Z-T Lu USTC ztlu@ustc.edu.cn, Eric Cornell comell@jila.colorado.edu, Jun Ye ye@jila.colorado.edu, Misha Lukin lukin@physics.harvard.edu, Tanya Zelevinsky tz@phys.columbia.edu, Andy Geraci ageraci@unr.edu, Holger Muller hm@berkeley.edu, Yannis Semertzidis yannis@kaist.ac.kr, Cindy Regal regal@colorado.edu, Chris Monroe monroe@umd.edu, Alex Sushkov asu@bu.edu, Chris Stubbs stubbs@physics.harvard.edu, Reiner Kruecken reinerk@triumf.ca, Jens Dilling jdilling@triumf.ca, Thomas Brunner thomas.brunner@physics.mcgill.ca, Mike Heffner heffner2@llnl.gov, Adam Bernstein bernstein3@llnl.gov, Serge Jullian jullian@lal.in2p3.fr, YiFang Wang yfwang@ihep.ac.cn, Jerry Busenitz busenitz@bama.ua.edu, Alan Weinstein ajw@ligo.caltech.edu, Sam Waldman waldman@gmail.com, Stan Whitcomb stan@ligo.caltech.edu, David Reitze reitze@ligo.caltech.edu, Fulvio Ricci fulvio.ricci@roma1.infn.it, Flavio Vetrano flavio.vetrano@uniurb.it, Giovanni Carugno giovanni.carugno@pd.infn.it, Nergis Mavalvala nergis@ligo.mit.edu, Matthew Evans mevans@ligo.mit.edu, Rana Adhikari rana.adhikari@gmail.com, Stefan Schoenert schoenert@ph.tum.de, Peter Fierlinger pfierlinger@gmail.com, Carla Cattadori carla.cattadori@ings.infn.it, Loredana.Gastaldo@gip.uni-heidelberg.de, Manfred Lindner lindner@mpi-hd.mpg.de, Christian Weinheimer weinheim@uni-muenster.de, Guido Drexlin guido@ik1.fzk.de, Rai Weiss weiss@ligo.mit.edu, Carter Hall crhall@umd.edu, Tali Figueroa enectali@northwestern.edu, Dan McKinsey daniel.mckinsey@berkeley.edu, Dave DeMille david.demille@yale.edu, Dima Budker budker@uni-mainz.de, Brian Odom b-odom@northwestern.edu, John Doyle doyle@physics.harvard.edu, Jerry Gabrielse gabrielse@physics.harvard.edu, Brad Filippone bradf@caltech.edu, Charles Baltay charles.baltay@yale.edu, Karon Lang lang@physics.utexas.edu, Mike Shaevitz mhs4@columbia.edu, Szabi Marka sm2375@columbia.edu, Mark Raizen raizen@physics.utexas.edu, Chris Tully cgtully@Princeton.EDU, Emlyn Hughes ewh42@columbia.edu, Harvey Newman newman@hep.caltech.edu, Maria Spiropulu smaria@caltech.edu, Andrea Pocar pocar@umass.edu, Cristian Galbiati galbiati@Princeton.EDU, Matt Green mpgreen@gmail.com, Naoko Kurahashi Neilson naoko@drexel.edu, Russell Neilson russell.g.neilson@drexel.edu, Justin Vanderbroucke vandenbrouck@wisc.edu, Hamish Robertson rghr@u.washington.edu, Jens Gundlach jens@phys.washington.edu, Blayne Heckel blayneh@uw.edu, Leslie Rosenberg ljrosenberg@phys.washington.edu, David Hertzog hertzog@uw.edu, jgl@phys.hawaii.edu, Jason Detwiler jasondet@uw.edu

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

- 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

- Generic R&D on novel radiation detectors

More on this at http://grattalab3.stanford.edu/neutrino/detector_rd.html

- Possibly, the beginning of a new program, based on

<https://journals.aps.org/prd/abstract/10.1103/PhysRevD.102.115031>

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

Thanks a lot for the help
Best regards and happy new year
Giorgio Gratta