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Institute for Nuclear and Particle Astrophysics
Lawrence Berkeley National Laboratory
1 Cyclotron Rd MS 50R5008
Berkeley, CA 94720-8158, USA

Dear Prof. Brian Kurt Fujikawa,

I recently received word of an opening at your institution from my advisor, Prof. John G. Learned, and I would like to apply for the postdoctoral position working with the CUORE Group at Lawrence Berkeley National Laboratory.

I am interested in the position because CUORE is one of the world leaders in searching for neutrinoless double beta decay, and I believe it is starting deployment of its full detector configuration this year. My past experience working on novel analysis techniques with the already well established neutrino experiment KamLAND, as well as detector R & D for a smaller scale startup project called the mini-Time Cube, gives me a balanced background suitable for a growing project such as CUORE. Also my extensive work on Monte Carlo design using GEANT4 both in the high energy (GeV) and low energy (sub MeV down to thermal neutrons) regimes puts me in a good position to work on a $0\nu\beta\beta$ experiment that requires excellent energy resolution at the lowest of temperatures.

Please feel free to contact me if you have any questions or need additional information. Thank you for considering my application.

Sincerely yours,

Michinari Sakai

encl: Curriculum vitae, statement of research interests and experience, list of references