

I am proposing to spend a sabbatical at Fermilab working on the COherent Neutrino-Nucleus Interaction Experiment (CONNIE) and the Short Baseline Near Detector (SBND). I am already a member of CONNIE and am particularly interested in the preparation for the next detector upgrade, including tests with the new skipper CCDs that will probably be the technology of choice. Regarding SBND, I intend to work on the integration and assembly of the detector, contributing to the quality control of the Time Projection Chambers. Both proposed activities can only be performed at Fermilab and fit well with my interests, skills and background and I believe I can provide valuable contributions to them.