The research project is to work in MINERvA (http://minerva.fnal.gov).

Job description: It is expected of the posdocs to participate in some of the following activities,

During six month stay at Minerva (Fermilab).
1.- Produce Monte Carlo data.
2.- Data production in MINERvA.
3.- Analysis of MINERvA data.

During six month stay in the department.
1.- Construction and characterization of the M3 cosmic ray detector.
2.- Collect and analyze data fromM3 detector.
3.- Construct a FPGA based data acquisition system.
4.- Simulate the detector.
5.- Construct and characterize a 4 cluster based GRID.