

MARIA FERNANDA NADER-NIETO

Early Stage Researcher

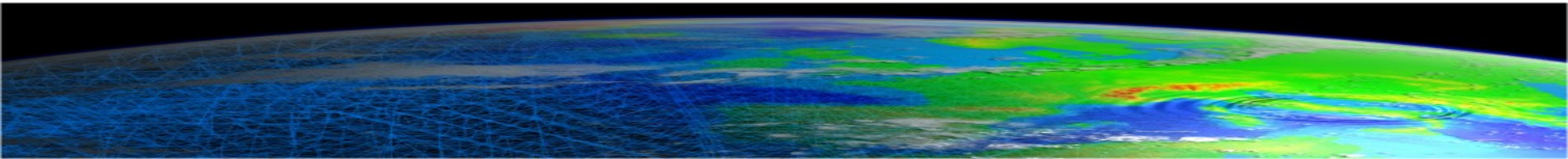


Host Institution: LMU
Place of Origin: Colombia
Appointment Time: 01.09.2010

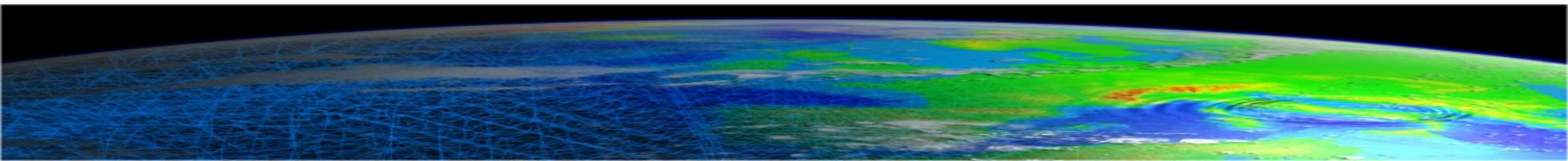
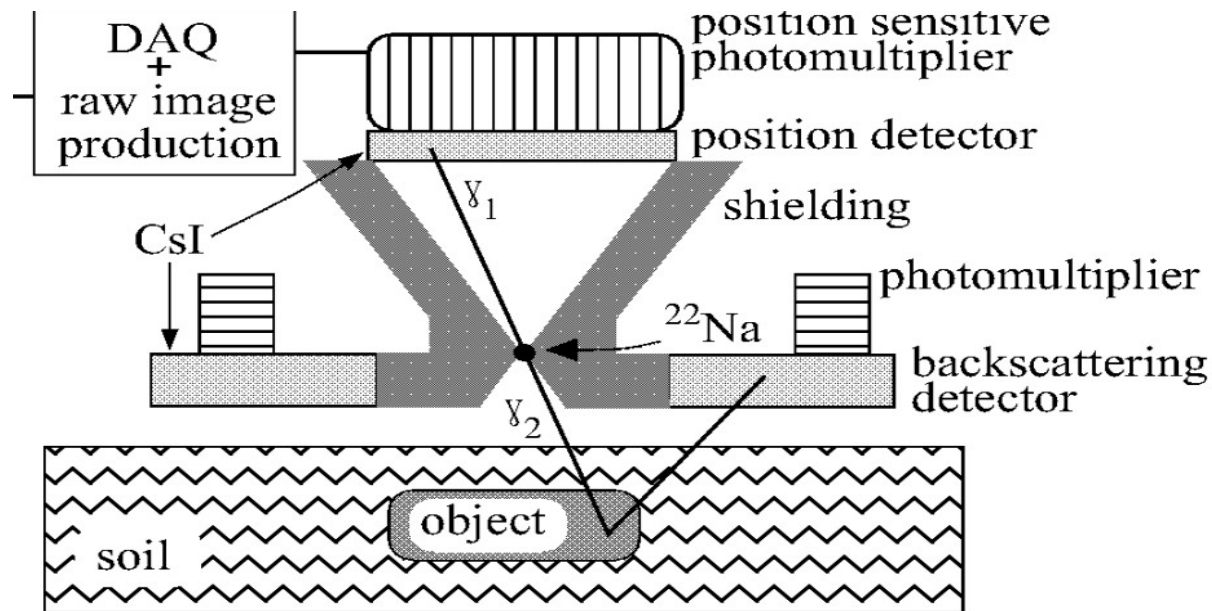
Background: B. S., Physics, 2010 (National University,
Bogotá, Colombia) *Applied Nuclear Physics.*

Research interest: Simulation (MonteCarlo Methods),
Numerical Methods, Programming

Waveform Simulation and Inversion,
Rotational ground motions.



Experimental Settings : Compton Backscattering Technique



Geant4 Simulation of the interaction γ -soil

Geant4 GEometry AND Tracking

MonteCarlo methods, developed by CERN,

Object Oriented programming (in C++)

Event-level parallelism TOP-C (Task Oriented Parallel C/C++)

Marshalgen (semi-automatic marshaling for C++)

