

Thesis Proposal for the Master's Degree in Physics

Title: Analysis of deep earthquakes in the Calabrian arc

Abstract (max 10 lines):

The proposed activity consists in analyzing a selection of deep earthquakes occurred in recent years in the Tyrrhenian Sea. After an introductory phase to familiarize with the software and seismograms, the student calculates the location of the hypocenter, the magnitude and some spectral parameters of the seismic source. The student learns to perform typical operations of signal analysis such as filtering, integration, picking, FFT, and acquires competence in the interpretation of seismograms, in the location of the source and in the spectral analysis.

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Laboratory where the thesis is carried out: Seismology Laboratory

Any participating external structures:

Type of thesis:

compilation

research:

specify if experimental theoretical or data analysis