VIRGO Science Proposal C7
Quality control of radiometric data and solar noise investigation

Main Investigator

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Co-Investigators

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Objectives

Using the information obtained with the radiometers, spectral analysis will be done in order to check the irradiance data quality. This will be achieved by comparing the spectral noise of the irradiance with spectral solar noise as measured by the SPM and with simulated solar noise, allowing in one hand an assessment of the irradiance data quality and in the other hand to separate solar and instrumental noise.

Work plan

This analysis will be started from the beginning of the mission. Data from all the radiometers on board VIRGO will be used. Simulated data of the solar noise will be generated on the corresponding timescales to that of the total solar irradiance.

Responsibilities

D. Crommelynck and J. Romero are responsible respectively for DIARAD and PMO6-V. Ch. Wehrli is responsible for the SPM. B. Andersen is responsible for generating solar noise.