Bachelor thesis

AG optical Metrology – Prof. A. Peters, L. Pape

Cryogenic photodetector

As part of our Modern Michelson Morley Experiment for testing Einstein's equivalence principle we are looking for highly a motivated bachelor student in the field of experimental physics or electrical engineering.

The main task of this thesis is to design, assemble and test a low noise photodetector that can be operated at low temperatures (4K). The detector should use commercially available parts, whose specs at low temperatures are not know in general. So work will include setting up a test environment for testing different detectors in order to find well suited components.

Experience in electronics is desired.

Contact:

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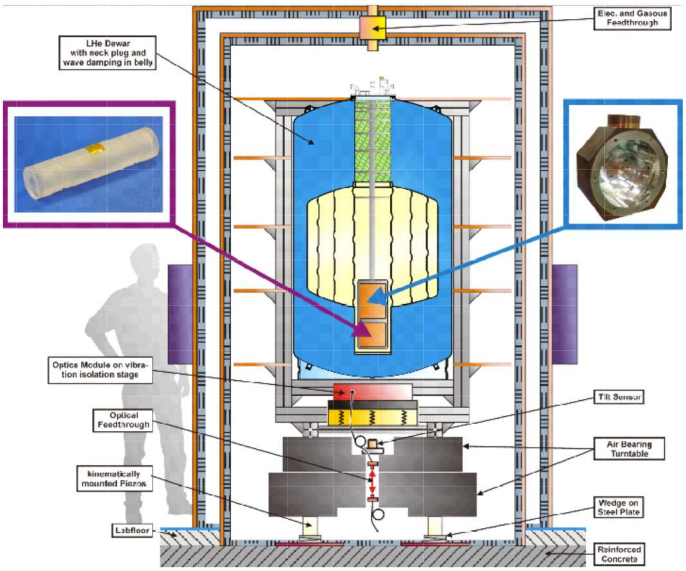
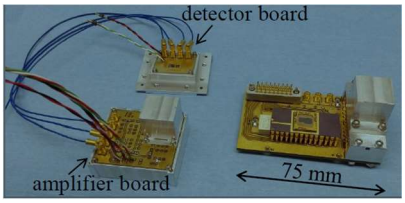


Modern Michelson Morley Experiment



Cryogenic Detector