Gyrolaser installation in VIRGO : project progress report and future workplan

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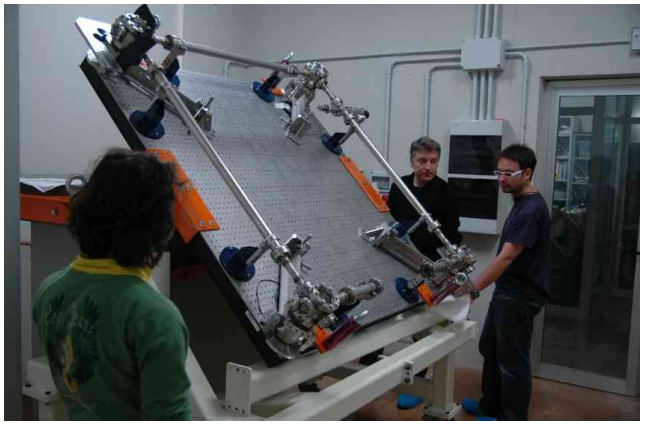
DIARY OF THE LAST WEEK

Mon 17/05/2010

Wed 19/05/2010



Thu 20/05/2010

Mon 24/05/2010:
Insertion of liquid concrete at the interface.

LAST 4 STEPS

RING CAVITY ASSEMBLING
-Mounting the discharge capillary and raw pre-alignment of the cavity
-Arrangement of the pumping system and test of the vacuum line
-Baking

ELECTRONICS for LASERs, DETECTION and CONTROLS
-Setup of the reference laser optical table (4h)
-Mounting the discharge electronic system and RF shielding
-Mounting the perimeter control electronic system (2 PZT)
-Installation of the two local PC and connection to the VIRGO DAQ
-Test of the DAQ system

GYROLASER ACTIVATION (HORIZONTAL ORIENTATION)
-Arrangement of the He-Ne filling gas line, Gas filling
-Cavity pre-alignment, achievement of the laser effect
-Mounting and alignment of the detection optics
-Implementation of the feedback controls: laser power and frequency

DATA TAKING AND ANALYSIS

Work Plan

A) RING CAVITY ASSEMBLING

B) ELECTRONICS for LASERs, DETECTION and CONTROLS

C) GYROLASER ACTIVATION

D) MEASUREMENTS AND DATA ANALYSIS

Task	25-28MAY	31MAY-4JUNE	7-11JUNE	14-18 JUNE
A				
B				
C				
D				