

**Memorandum of Agreement
between the Virgo collaboration
and the Roma Tor Vergata group
for the participation to Virgo**

April, 2015

The purpose of this agreement is to describe the participation of the Roma Tor Vergata group to the Virgo collaboration. The period covered by this Memorandum is two year from the date of the VSC approval.

1. CNRS and INFN signed an agreement concerning the realization of an antenna, VIRGO, for the detection of gravitational waves on 27 June 1994 in Pisa. VIRGO consists of a three kilometer Fabry-Perot interferometric antenna aimed at the detection of gravitational waves in the frequency range 10-10000 Hz. The construction, exploitation and data analysis of the VIRGO antenna is under the responsibility of the Virgo collaboration, which has been defined in its present form in December 2001. The VIRGO collaboration is represented by its Spokesperson. The operation of the VIRGO antenna is supervised by the EGO Council.
2. The Past involvements of the Roma Tor Vergata group are described in the previous MoA.
3. The current Roma Tor Vergata group responsibilities in Virgo are the following:
 - Design, construction, commissioning of the Thermal Compensation System for Advanced Virgo.
 - Management of the TCS subsystem (V. Fafone)
4. The current Roma Tor Vergata group contributions to Virgo working groups are the following:
 - Participation to the commissioning activities
 - Participation to the Data Analysis Continuous Wave group
 - Participation to the Detector Characterization group
 - Participation to the Data Analysis burst group
 - Participation to the multimessenger data analysis activity
 - Participation to the Stochastic Review Committee
 - Participation to the development of the squeezed light source for Advanced Virgo
 - Participation to the R&D activities on thermal noise

5. The current Roma Tor Vergata group composition is:

Name	FTE	Author	Student	Main activities and FTE
Eugenio Coccia (U)	0.4	Yes	no	Thermal compensation (20%) DA GW-v (20%)
Sabrina D'Antonio	0.7	Yes	no	DA CW (50%); Detchar (20%)
Viviana Fafone (U)	0.8	Yes	no	Thermal compensation – installation and commissioning (70%); Group leader (10%)
Yuri Minenkov	0.7	Yes	no	Thermal compensation
Alessio Rocchi	0.8	Yes	no	Thermal compensation - installation and commissioning (70%); squeezing (10%)
Claudio Casentini	1	Yes	PhD stud.	DA burst-GWv
Elisabetta Cesarini	1	Yes	no	Thermal compensation (90%); R&D thermal noise (10%)
Matteo Lorenzini	1	Yes	no	Thermal compensation - installation and commissioning (90%); R&D thermal noise (10%)
Carla Macolino	0.4	Yes	no	DA GWv
Valeria Malvezzi	1	Yes	no	Thermal compensation
Ilaria Nardecchia	1	Yes	PhD stud.	Thermal compensation - installation and commissioning
Giulia Pagliaroli	0.1	No	no	DA GW-v
Virginia Re	1	Yes	no	DA Burst (70%); GWv (20%); Detchar (10%)
Valeria Sequino	1	Yes	PhD stud.	Squeezing
Andrea Bazzichi	0.5	No	no	Technician
Roberto Simonetti	0.5	No	no	Technician

The Roma Tor Vergata group leader will inform the collaboration of any change in the group composition.

Approved:

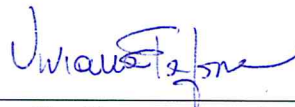


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Virgo collaboration Spokesperson

01/04/2015

Date



Roma Tor Vergata group Leader

01/04/2015

Date