

## **Memorandum of Understanding**

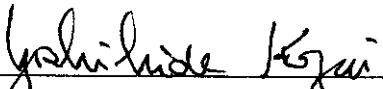
### **between The Waves Group - University of Sannio at Benevento, Italy and the TAMA Project, Japan**

The purpose of this MOU is to establish and define a joint collaboration between the Waves Group of the University of Sannio at Benevento, Italy, and the TAMA Project, Japan, under the “guidelines for joint collaborations using TAMA data”.


1. The TAMA Project, Japan, is a cooperation consisting among others of the following Institutions: National Astronomical Observatory (NAO); the Institute of Cosmic Ray Research (ICRR); The University of Tokyo, the Institute of Laser Science (ILS); the High Energy Accelerator Research Organization (KEK), the Yukawa Institute for Theoretical Physics (YITP), Osaka University and Miyagi University of Education. The TAMA project has constructed and is operating TAMA300, a 300m Fabry-Perot recombined interferometer with power recycling system. The goal of TAMA is to detect gravitational waves, and to advance knowledge in the field of gravitational wave detectors.
2. The Waves Group (TWG) - University of Sannio at Benevento is a research group consisting of: Innocenzo M. Pinto (full professor), Vincenzo Pierro (assistant professor), plus typically three post doctoral Fellows, and two Ph.D students. The members of TWG are actively working on several issues relevant to gravitational wave detection experiments.
3. The collaboration between TWG and TAMA will focus primarily on data analysis and the application of the Wigner-Ville time-frequency methods developed by TWG to the TAMA data, with special reference to data sieving and/or noise characterization.
4. TWG will communicate to TAMA its research results related to data analysis, their interpretation and implications for TAMA.
5. TAMA will communicate to TWG its research results related to data analysis, and make available to TWG reports and internal memos relevant to the issue of data analysis.
6. Any kind of publication arising out of the joint collaboration, including but not limited to Journal articles or oral presentations at Conferences shall be done jointly in the names of TWG and TAMA. The content and fitness for publication shall be investigated jointly, and the parties shall come to a mutual agreement.

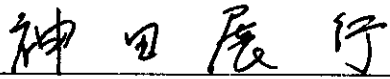
7. Each party in this agreement continues to be responsible for all support of its own staff, including travel costs associated with the activities under this agreement.
8. This Memorandum of Understanding will remain in force until the parties mutually agree to terminate it. Annual Attachments will define specific activities to be carried out during the following year, and list the members of TWG who will participate in the planned cooperation activities.

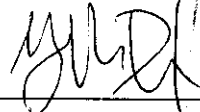
Approved:

  
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Yoshihide Kozai  
TAMA Principal Investigator

  
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Pietro Perlingieri  
President, University of Sannio



  
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Nobuyuki Kanda  
TAMA Data Analysis Group Leader

  
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Innocenzo M. Pinto  
The Waves Group Principal Investigator

Date Feb. 9, 2000

Date 10 Feb. 2000