

## Papers by F. Garufi

1. **“The real-time distributed control of the Virgo Interferometric Detector for Gravitational Waves”**  
F. Garufi  
RT2007-PS1D007(2007) [SPIRES entry](#)  
*Presented at 15th IEEE Real Time Conference 2007 (RT 07), Batavia, Illinois, 29 Apr - 4 May 2007.*
2. **“A hybrid modular control and acquisition system”**  
A. Boiano, R. De Rosa, F. Garufi, F. Acernese, F. Barone and R. Romano  
RT2007-PS1A008(2007) [SPIRES entry](#)  
*Presented at 15th IEEE Real Time Conference 2007 (RT 07), Batavia, Illinois, 29 Apr - 4 May 2007.*
3. **“Methods of gravitational wave detection in the VIRGO Interferometer”**  
F. Acernese *et al.*  
AIP Conf. Proc. **924**, 187 (2007) [SPIRES entry](#)  
*Prepared for International Astronomy Meeting: The Multicolored Landscape of Compact Objects and Their Explosive Origins: Theory versus Observations, Cefalu, Sicily, Italy, 11-24 Jun 2006*
4. **“Adaptive filters for detection of gravitational waves from coalescing binaries”**  
A. Eleuteri *et al.*  
Phys. Rev. D **73**, 122004 (2006) [SPIRES entry](#)
5. **“The Virgo status”**  
F. Acernese *et al.*  
Class. Quant. Grav. **23**, S635 (2006) [SPIRES entry](#)  
*Prepared for 10th Annual Gravitational Wave Data Analysis Workshop (GWDAW-10), Brownsville, Texas, 14-17 Dec 2005*
6. **“Normal / independent noise in VIRGO data”**  
F. Acernese *et al.*  
Class. Quant. Grav. **23**, S829 (2006) [SPIRES entry](#)  
*Prepared for 10th Annual Gravitational Wave Data Analysis Workshop (GWDAW-10), Brownsville, Texas, 14-17 Dec 2005*
7. **“Some progress in the development of an optical readout system for the LISA gravitational reference sensor”**  
F. Acernese, R. De Rosa, L. Di Fiore, F. Garufi, A. La Rana and L. Milano  
AIP Conf. Proc. **873**, 339 (2006) [SPIRES entry](#)  
*Prepared for 6th International LISA Symposium, Greenbelt, Maryland, 19-23 Jun 2006*
8. **“The present status of the VIRGO central interferometer”**  
F. Acernese *et al.* [VIRGO Collaboration]  
Class. Quant. Grav. **19**, 1421 (2002) [SPIRES entry](#)  
*Prepared for 4th Edoardo Amaldi Conference on Gravitational Waves (Amaldi 4), Perth, Australia, 8-13 Jul 2001*
9. **“Last Stage Control And Mechanical Transfer Function Measurement Of The Virgo Suspensions”**  
A. Bozzi *et al.*  
Rev. Sci. Instrum. **73**, 2143 (2002) [SPIRES entry](#)

10. **“High-resolution tracking using large capillary bundles filled with liquid scintillator”**  
P. Annis *et al.*  
Nucl. Instrum. Meth. A **449**, 60 (2000) [SPIRES entry](#)
11. **“Data archiving and distribution of the VIRGO antenna for gravitational wave detection”**  
F. Barone, A. Eleuteri, F. Garufi and L. Milano  
IEEE Trans. Nucl. Sci. **47**, 319 (2000) [SPIRES entry](#)
12. **“The environment monitoring of the VIRGO antenna for gravitational wave detection”**  
A. Anastasio, F. Barone, A. Eleuteri, F. Garufi and L. Milano [SPIRES entry](#)  
*Prepared for 3rd Edoardo Amaldi Conference on Gravitational Waves (Amaldi 99), Pasadena, California, 12-16 Jul 1999*
13. **“A neural network approach for the noise identification and data quality of the VIRGO antenna”**  
F. Barone, A. Ciaramella, A. Eleuteri, F. Garufi, L. Milano and R. Tagliaferri [SPIRES entry](#)  
*Prepared for 3rd Edoardo Amaldi Conference on Gravitational Waves (Amaldi 99), Pasadena, California, 12-16 Jul 1999*
14. **“Gravitational wave signal detection with neural networks for the VIRGO antenna”**  
F. Barone, A. Eleuteri, F. Garufi, L. Milano and R. Tagliaferri [SPIRES entry](#)  
*Prepared for 3rd Edoardo Amaldi Conference on Gravitational Waves (Amaldi 99), Pasadena, California, 12-16 Jul 1999*
15. **“A neural network-based ARX model of VIRGO noise”**  
F. Barone, R. De Rosa, A. Eleuteri, F. Garufi, L. Milano and R. Tagliaferri  
[arXiv:astro-ph/9906107](#) [SPIRES entry](#)
16. **“Search for  $\nu/\mu \rightarrow \nu/\tau$  oscillation using the tau decay modes into a single charged particle”**  
E. Eskut *et al.* [CHORUS Collaboration]  
Phys. Lett. B **434**, 205 (1998) [SPIRES entry](#)
17. **“The megapixel EBCCD: A high-resolution imaging tube sensitive to single photons”**  
S. Buontempo *et al.*  
Nucl. Instrum. Meth. A **413**, 255 (1998) [SPIRES entry](#)
18. **“Status and noise limit of the VIRGO antenna”**  
L. Gammaitoni *et al.* [VIRGO Collaboration] [SPIRES entry](#)  
*Prepared for 2nd International LISA Symposium on Gravitational Waves, Pasadena, CA, 6-9 Jul 1998*
19. **“Status of the gravitational wave detector VIRGO”**  
Y. Acker *et al.* [SPIRES entry](#)  
*Prepared for 29th International Conference on High-Energy Physics (ICHEP 98), Vancouver, British Columbia, Canada, 23-29 Jul 1998*
20. **“Tracking with capillaries and liquid scintillator”**  
P. Annis *et al.* [RD46 Collaboration]  
Nucl. Phys. Proc. Suppl. **61B**, 390 (1998) [SPIRES entry](#)  
*Prepared for 5th International Conference on Advanced Technology and Particle Physics (COMO 96), Como, Italy, 7-11 Oct 1996*
21. **“A search for  $\nu/\mu \rightarrow \nu/\tau$  oscillation”**  
E. Eskut *et al.* [CHORUS Collaboration]  
Phys. Lett. B **424**, 202 (1998) [SPIRES entry](#)
22. **“High resolution tracking devices based on capillaries filled with liquid scintillator”**  
P. Annis *et al.*  
AIP Conf. Proc. **450**, 200 (1998) [SPIRES entry](#)  
*Prepared for SCIFI97: Conference on Scintillating and Fiber Detectors, South Bend, Indiana, 2-6 Nov 1997*

23. **“A single-photon multichannel detector: The megapixel EBCCD”**  
P. Annis *et al.*  
AIP Conf. Proc. **450**, 509 (1998) [SPIRES entry](#)  
*Prepared for SCIFI97: Conference on Scintillating and Fiber Detectors, South Bend, Indiana, 2-6 Nov 1997*
24. **“Virgo status report - July 1998”**  
D. Buskulic *et al.* [SPIRES entry](#)  
*8th Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation and Relativistic Field Theories (MG 8), Jerusalem, Israel, 22-27 Jun 1997*
25. **“The CHORUS experiment to search for  $\nu/\mu \rightarrow \nu/\tau$  oscillation”**  
E. Eskut *et al.* [CHORUS Collaboration]  
Nucl. Instrum. Meth. A **401**, 7 (1997) [SPIRES entry](#)
26. **“The Virgo interferometer”**  
B. Caron *et al.*  
Class. Quant. Grav. **14**, 1461 (1997) [SPIRES entry](#)  
*Prepared for 1st International LISA Symposium on Gravitational Waves, Oxfordshire, England, 9-12 Jul 1996*
27. **“A new vertex detector made of glass capillaries”**  
P. Annis *et al.*  
Nucl. Instrum. Meth. A **386**, 72 (1997) [SPIRES entry](#)  
*Prepared for 5th International Workshop on Vertex Detector (Vertex 96), Chia, Italy, 16-21 Jun 1996*
28. **“The archiving system of the Virgo antenna for gravitational wave detection”**  
F. Barone, F. Garufi, L. Milano and B. Mours  
Rev. Sci. Instrum. **68**, 3907 (1997) [SPIRES entry](#)
29. **“Capillary Detectors For High Resolution Tracking”**  
P. Annis *et al.*  
Nucl. Phys. Proc. Suppl. **54B**, 86 (1997) [SPIRES entry](#)  
*Prepared for 6th Topical Seminar on Experimental Apparatus Particle Physics and Astrophysics, San Miniato, Italy, 21-24 May 1996*
30. **“Performance Of The Chorus Lead-Scintillating Fiber Calorimeter”**  
S. Buontempo *et al.*  
Nucl. Phys. Proc. Suppl. **54B**, 198 (1997) [SPIRES entry](#)  
*Prepared for 6th Topical Seminar on Experimental Apparatus Particle Physics and Astrophysics, San Miniato, Italy, 21-24 May 1996*
31. **“The CHORUS neutrino oscillation search experiment”**  
E. Eskut *et al.*  
CERN-PPE-96-196(1996) [SPIRES entry](#)  
*Talk given at 28th International Conference on High-energy Physics (ICHEP 96), Warsaw, Poland, 25-31 Jul 1996*
32. **“Siesta: A General Purpose Simulation Program For The Virgo Experiment”**  
B. Caron *et al.* [VIRGO Collaboration] [SPIRES entry](#)  
*Prepared for TAMA Workshop on Gravitational Wave Detection, Saitama, Japan, 12-14 Nov 1996*
33. **“Virgo Status Report, November 1996”**  
A. Brillet *et al.* [VIRGO Collaboration] [SPIRES entry](#)  
*Prepared for TAMA Workshop on Gravitational Wave Detection, Saitama, Japan, 12-14 Nov 1996*
34. **“Virgo Seismic Noise Isolation System”**  
C. Boccara *et al.* [VIRGO Collaboration] [SPIRES entry](#)  
*Prepared for TAMA Workshop on Gravitational Wave Detection, Saitama, Japan, 12-14 Nov 1996*

35. **“Detection of gravitational waves from precessing galactic neutron stars”**  
W. Velloso, F. Barone, E. Calloni, L. Di Fiore, F. Garufi, A. Grado and L. Milano [SPIRES entry](#)  
*Prepared for 12th Italian Conference on General Relativity and Gravitational Physics, Rome, Italy, 23-27 Sep 1996*
36. **“A digitally controlled suspended Michelson interferometer”**  
F. Barone, E. Calloni, L. Di Fiore, F. Garufi, A. Grado, L. Milano and A. Rocco [SPIRES entry](#)  
*Prepared for 12th Italian Conference on General Relativity and Gravitational Physics, Rome, Italy, 23-27 Sep 1996*
37. **“The CHORUS calorimeter: Test beam results and operation with neutrino beams”**  
E. Di Capua *et al.* [SPIRES entry](#)  
*Prepared for 6th International Conference on Calorimetry in High-energy Physics (ICCHEP 96), Rome, Italy, 8-14 Jun 1996*
38. **“The Present Status Of Virgo Project”**  
Y. Acker *et al.* [VIRGO Collaboration] [SPIRES entry](#)  
*Prepared for OMNI 1: 1st International Workshop on an Omnidirectional Gravitational Radiation Observatory, Sao Jose dos Campos, Brazil, 26-31 May 1996*
39. **“Measurements of light yield, attenuation length and time response of long samples of ‘blue’ scintillating fibers”**  
A. Antonelli *et al.*  
Nucl. Instrum. Meth. A **370**, 367 (1996) [SPIRES entry](#)
40. **“Performance of fine mesh photomultiplier tubes in magnetic fields up to 0.3-T”**  
A. Antonelli *et al.*  
Nucl. Instrum. Meth. A **368**, 628 (1996) [SPIRES entry](#)
41. **“The status of the VIRGO experiment”**  
C. Boccara *et al.* [VIRGO Collaboration] [SPIRES entry](#)  
*Given at 18th Texas Symposium on Relativistic Astrophysics, Chicago, IL, 15-20 Dec 1996*
42. **“State of the art of the VIRGO experiment”**  
B. Caron *et al.* [SPIRES entry](#)  
*Given at International Conference on Gravitational Waves: Sources and Detectors, Pisa, Italy, 19-23 Mar 1996*
43. **“Response to electrons and pions of the calorimeter for the CHORUS experiment”**  
E. Di Capua *et al.*  
Nucl. Instrum. Meth. A **378**, 221 (1996) [SPIRES entry](#)
44. **“A Liquid scintillator calorimeter for the forward region of an LHC experiment”**  
A. Artamonov *et al.*  
Nucl. Instrum. Meth. A **362**, 386 (1995) [SPIRES entry](#)
45. **“Performance of a scintillating fibers semiprojective electromagnetic calorimeter”**  
M. Bertino *et al.*  
Nucl. Instrum. Meth. A **357**, 363 (1995) [SPIRES entry](#)
46. **“The KLOE electromagnetic calorimeter”**  
J. Lee-Franzini *et al.*  
Nucl. Instrum. Meth. A **360**, 201 (1995) [SPIRES entry](#)  
*Prepared for 5th International Conference on Calorimetry in High-energy Physics, Upton, NY, 25 Sep - 1 Oct 1994*
47. **“Liquid scintillator calorimetry for the LHC”**  
A. Artamonov *et al.*  
Nucl. Instrum. Meth. A **360**, 240 (1995) [SPIRES entry](#)  
*Prepared for 6th Pisa Meeting on Advanced Detectors: Frontier Detectors for Frontier Physics, La Biodola, Elba, Italy, 22-28 May 1994*

48. **“The Chorus Experiment”**  
D. Macina *et al.* [CHORUS Collaboration]  
Nucl. Phys. Proc. Suppl. **48**, 183 (1996) [SPIRES entry](#)  
*Prepared for 4th International Workshop on Theoretical and Phenomenological Aspects of Underground Physics (TAUP 95), Toledo, Spain, 17- 21 Sep 1995*
49. **“A very forward calorimeter for the LHC: Experimental results”**  
A. Artamonov *et al.*  
Nucl. Phys. Proc. Suppl. **44**, 40 (1995) [SPIRES entry](#)  
*Prepared for 4th International Conference on Advanced Technology and Particle Physics, Como, Italy, 3-7 Oct 1994*
50. **“Construction and performance of the lead scintillating fiber calorimeter prototypes for the KLOE detector”**  
A. Antonelli *et al.*  
Nucl. Instrum. Meth. A **354**, 352 (1995) [SPIRES entry](#)
51. **“Thermal neutron radiation damage on light yield and attenuation length of scintillating fibers”**  
A. Asmone *et al.*  
Nucl. Instrum. Meth. A **338**, 398 (1994) [SPIRES entry](#)
52. **“Performance of a scintillating fibres semiprojective electromagnetic calorimeter”**  
M. Bertino *et al.*  
Nucl. Phys. Proc. Suppl. **44**, 163 (1995) [SPIRES entry](#)  
*Prepared for 5th International Conference on Calorimetry in High-energy Physics, Upton, NY, 25 Sep - 1 Oct 1994*
53. **“Test beam results from a very forward liquid scintillator calorimeter for the LHC”**  
A. Artamonov *et al.* [SPIRES entry](#)  
*Prepared for 5th International Conference on Calorimetry in High-energy Physics, Upton, NY, 25 Sep - 1 Oct 1994*
54. **“The KLOE detector: technical proposal”**  
A. Aloisio *et al.* [KLOE Collaboration]  
LNF-93-002-IR(1993) [SPIRES entry](#)
55. **“Performance of 4 types of commercial blue scintillating fibres for the ‘KLOE’ electromagnetic calorimeter”**  
A. Antonelli *et al.* [SPIRES entry](#)  
*Given at 4th International Conference on Calorimetry in High-energy Physics, La Biodola, Italy, 19-25 Sep 1993*
56. **“Performance of the lead-scintillating fibers calorimeter prototypes for the KLOE experiment”**  
A. Antonelli *et al.* [SPIRES entry](#)  
*Given at 4th International Conference on Calorimetry in High-energy Physics, La Biodola, Italy, 19-25 Sep 1993*
57. **“Radiation damage induced by thermal neutrons on scintillating fibres”**  
A. Asmone *et al.* [SPIRES entry](#)  
*Given at 4th International Conference on Calorimetry in High-energy Physics, La Biodola, Italy, 19-25 Sep 1993*
58. **“Lead-scintillating fiber electromagnetic calorimeter prototypes for the KLOE experiment”**  
S. Sarwar *et al.* [SPIRES entry](#)  
*Prepared for Workshop on Scintillating Fiber Detectors (SCIFI 93), Notre Dame, IN, 24-28 Oct 1993*
59. **“Performance of a highly segmented SCIFI EM calorimeter”**  
A. Asmone *et al.*  
Nucl. Instrum. Meth. A **326**, 477 (1993) [SPIRES entry](#)

60. **“Performance of a highly segmented scintillating fibres electromagnetic calorimeter”**

A. Asmone *et al.* [SPIRES entry](#)

*Given at 3rd International Conference on Calorimetry in High-energy Physics (Note: dates changed from Oct 6-9), Corpus Christi, TX, 29 Sep - 2 Oct 1992*