

Papers by Fabio Garufi

1. **“Performance of a highly segmented scintillating fibres electromagnetic calorimeter”**
A. Asmone *et al.*
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
2. **“Performance of a highly segmented SCIFI EM calorimeter”**
A. Asmone *et al.*
Nucl. Instrum. Meth. A **326**, 477 (1993)
3. **“Performance of 4 types of commercial blue scintillating fibres for the ‘KLOE’ electromagnetic calorimeter”**
A. Antonelli *et al.*
Given at 4th International Conference on Calorimetry in High-energy Physics, La Biodola, Italy, 19-25 Sep 1993
4. **“Performance of the lead-scintillating fibers calorimeter prototypes for the KLOE experiment”**
A. Antonelli *et al.*
Given at 4th International Conference on Calorimetry in High-energy Physics, La Biodola, Italy, 19-25 Sep 1993
5. **“Radiation damage induced by thermal neutrons on scintillating fibres”**
A. Asmone *et al.*
Given at 4th International Conference on Calorimetry in High-energy Physics, La Biodola, Italy, 19-25 Sep 1993
6. **“Lead-scintillating fiber electromagnetic calorimeter prototypes for the KLOE experiment”**
S. Sarwar *et al.*
Prepared for Workshop on Scintillating Fiber Detectors (SCIFI 93), Notre Dame, IN, 24-28 Oct 1993
7. **“The KLOE detector: technical proposal”**
A. Aloisio *et al.* [KLOE Collaboration]
LNF-93-002-IR
8. **“Thermal neutron radiation damage on light yield and attenuation length of scintillating fibers”**
A. Asmone *et al.*
Nucl. Instrum. Meth. A **338**, 398 (1994)
9. **“Performance of a scintillating fibres semiprojective electromagnetic calorimeter”**
M. Bertino *et al.*
Nucl. Phys. Proc. Suppl. **44**, 163 (1995)
Prepared for 5th International Conference on Calorimetry in High-energy Physics, Upton, NY, 25 Sep - 1 Oct 1994
10. **“Test beam results from a very forward liquid scintillator calorimeter for the LHC”**
A. Artamonov *et al.*
Prepared for 5th International Conference on Calorimetry in High-energy Physics, Upton, NY, 25 Sep - 1 Oct 1994

11. **“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)
12. **“Performance of a scintillating fibers semiprojective electromagnetic calorimeter”**
M. Bertino *et al.*
Nucl. Instrum. Meth. A **357**, 363 (1995)
13. **“The KLOE electromagnetic calorimeter”**
J. Lee-Franzini *et al.*
Nucl. Instrum. Meth. A **360**, 201 (1995)
Prepared for 5th International Conference on Calorimetry in High-energy Physics, Upton, NY, 25 Sep - 1 Oct 1994
14. **“Liquid scintillator calorimetry for the LHC”**
A. Artamonov *et al.*
Nucl. Instrum. Meth. A **360**, 240 (1995)
Prepared for 6th Pisa Meeting on Advanced Detectors: Frontier Detectors for Frontier Physics, La Biodola, Elba, Italy, 22-28 May 1994
15. **“The CHORUS experiment”**
D. Macina *et al.* [CHORUS Collaboration]
Nucl. Phys. Proc. Suppl. **48**, 183 (1996)
Prepared for 4th International Workshop on Theoretical and Phenomenological Aspects of Underground Physics (TAUP 95), Toledo, Spain, 17- 21 Sep 1995
16. **“A very forward calorimeter for the LHC: Experimental results”**
A. Artamonov *et al.*
Nucl. Phys. Proc. Suppl. **44**, 40 (1995)
Prepared for 4th International Conference on Advanced Technology and Particle Physics, Como, Italy, 3-7 Oct 1994
17. **“A Liquid scintillator calorimeter for the forward region of an LHC experiment”**
A. Artamonov *et al.*
Nucl. Instrum. Meth. A **362**, 386 (1995)
18. **“Response to electrons and pions of the calorimeter for the CHORUS experiment”**
E. Di Capua *et al.*
Nucl. Instrum. Meth. A **378**, 221 (1996)
19. **“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)
20. **“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)
21. **“The status of the VIRGO experiment”**
C. Boccara *et al.* [VIRGO Collaboration]
Given at 18th Texas Symposium on Relativistic Astrophysics, Chicago, IL, 15-20 Dec 1996
22. **“State of the art of the VIRGO experiment”**
B. Caron *et al.*
Given at International Conference on Gravitational Waves: Sources and Detectors, Pisa, Italy, 19-23 Mar 1996
23. **“The present status of VIRGO project”**
Y. Acker *et al.* [VIRGO Collaboration]

Prepared for OMNI 1: 1st International Workshop on an Omnidirectional Gravitational Radiation Observatory, Sao Jose dos Campos, Brazil, 26-31 May 1996

24. **“The CHORUS calorimeter: Test beam results and operation with neutrino beams”**
E. Di Capua *et al.*
Prepared for 6th International Conference on Calorimetry in High-energy Physics (ICCHEP 96), Rome, Italy, 8-14 Jun 1996
25. **“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
Prepared for 12th Italian Conference on General Relativity and Gravitational Physics, Rome, Italy, 23-27 Sep 1996
26. **“A digitally controlled suspended Michelson interferometer”**
F. Barone, E. Calloni, L. Di Fiore, F. Garufi, A. Grado, L. Milano and A. Rocco
Prepared for 12th Italian Conference on General Relativity and Gravitational Physics, Rome, Italy, 23-27 Sep 1996
27. **“SIESTA: A general purpose simulation program for the VIRGO experiment”**
B. Caron *et al.* [VIRGO Collaboration]
Prepared for TAMA Workshop on Gravitational Wave Detection, Saitama, Japan, 12-14 Nov 1996
28. **“VIRGO status report, November 1996”**
A. Brillet *et al.* [VIRGO Collaboration]
Prepared for TAMA Workshop on Gravitational Wave Detection, Saitama, Japan, 12-14 Nov 1996
29. **“VIRGO seismic noise isolation system”**
C. Boccara *et al.* [VIRGO Collaboration]
Prepared for TAMA Workshop on Gravitational Wave Detection, Saitama, Japan, 12-14 Nov 1996
30. **“The CHORUS neutrino oscillation search experiment”**
E. Eskut *et al.*
CERN-PPE-96-196
Talk given at 28th International Conference on High-energy Physics (ICHEP 96), Warsaw, Poland, 25-31 Jul 1996
31. **“The Virgo interferometer”**
B. Caron *et al.*
Class. Quant. Grav. **14**, 1461 (1997)
Prepared for 1st International LISA Symposium on Gravitational Waves, Oxfordshire, England, 9-12 Jul 1996
32. **“A new vertex detector made of glass capillaries”**
P. Annis *et al.*
Nucl. Instrum. Meth. A **386**, 72 (1997)
Prepared for 5th International Workshop on Vertex Detector (Vertex 96), Chia, Italy, 16-21 Jun 1996
33. **“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)
34. **“Capillary detectors for high resolution tracking”**
P. Annis *et al.*
Nucl. Phys. Proc. Suppl. **54B**, 86 (1997)
Prepared for 6th Topical Seminar on Experimental Apparatus Particle Physics and Astrophysics, San Miniato, Italy, 21-24 May 1996
35. **“Performance of the CHORUS lead-scintillating fiber calorimeter”**
S. Buontempo *et al.*
Nucl. Phys. Proc. Suppl. **54B**, 198 (1997)
Prepared for 6th Topical Seminar on Experimental Apparatus Particle Physics and Astrophysics, San Miniato, Italy, 21-24 May 1996

36. **“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)
37. **“Virgo status report - July 1998”**
D. Buskalic *et al.*
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
38. **“A search for $\nu/\mu \rightarrow \nu/\tau$ oscillation”**
E. Eskut *et al.* [CHORUS Collaboration]
Phys. Lett. B **424**, 202 (1998)
39. **“High resolution tracking devices based on capillaries filled with liquid scintillator”**
P. Annis *et al.*
AIP Conf. Proc. **450**, 200 (1998)
Prepared for SCIFI97: Conference on Scintillating and Fiber Detectors, South Bend, Indiana, 2-6 Nov 1997
40. **“A single-photon multichannel detector: The megapixel EBCCD”**
P. Annis *et al.*
AIP Conf. Proc. **450**, 509 (1998)
Prepared for SCIFI97: Conference on Scintillating and Fiber Detectors, South Bend, Indiana, 2-6 Nov 1997
41. **“Status and noise limit of the VIRGO antenna”**
L. Gammaitoni *et al.* [VIRGO Collaboration]
Prepared for 2nd International LISA Symposium on Gravitational Waves, Pasadena, CA, 6-9 Jul 1998
42. **“Status of the gravitational wave detector VIRGO”**
Y. Acker *et al.*
Prepared for 29th International Conference on High-Energy Physics (ICHEP 98), Vancouver, British Columbia, Canada, 23-29 Jul 1998
43. **“Tracking with capillaries and liquid scintillator”**
P. Annis *et al.* [RD46 Collaboration]
Nucl. Phys. Proc. Suppl. **61B**, 390 (1998)
Prepared for 5th International Conference on Advanced Technology and Particle Physics (COMO 96), Como, Italy, 7-11 Oct 1996
44. **“The megapixel EBCCD: A high-resolution imaging tube sensitive to single photons”**
S. Buontempo *et al.*
Nucl. Instrum. Meth. A **413**, 255 (1998)
45. **“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)
46. **“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
47. **“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)
48. **“The environment monitoring of the VIRGO antenna for gravitational wave detection”**
A. Anastasio, F. Barone, A. Eleuteri, F. Garufi and L. Milano
Prepared for 3rd Edoardo Amaldi Conference on Gravitational Waves (Amaldi 99), Pasadena, California, 12-16 Jul 1999

49. **“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
Prepared for 3rd Edoardo Amaldi Conference on Gravitational Waves (Amaldi 99), Pasadena, California, 12-16 Jul 1999
50. **“Gravitational wave signal detection with neural networks for the VIRGO antenna”**
F. Barone, A. Eleuteri, F. Garufi, L. Milano and R. Tagliaferri
Prepared for 3rd Edoardo Amaldi Conference on Gravitational Waves (Amaldi 99), Pasadena, California, 12-16 Jul 1999
51. **“High-resolution tracking using large capillary bundles filled with liquid scintillator”**
P. Annis *et al.*
Nucl. Instrum. Meth. A **449**, 60 (2000)
52. **“The present status of the VIRGO central interferometer”**
F. Acernese *et al.* [VIRGO Collaboration]
Class. Quant. Grav. **19**, 1421 (2002)
Prepared for 4th Edoardo Amaldi Conference on Gravitational Waves (Amaldi 4), Perth, Australia, 8-13 Jul 2001
53. **“Last stage control and mechanical transfer function measurement of the VIRGO suspensions”**
A. Bozzi *et al.*
Rev. Sci. Instrum. **73**, 2143 (2002)