

Carlo Cosmelli
Scientific Papers

117 N Grønbech-Jensen, M.G.Castellano, F.Chiarello, M.Cirillo, C.Cosmelli, L.V.Filippenko, R.Russo, G.Torrioli
Microwave-Induced Thermal Escape in Josephson Junctions
Phys.Rev Lett. 93, 10, 107002 (2004)

116 P. Astone, Danilo Babusci, M. Bassan, P. Carelli, E. Coccia, C. Cosmelli, S. D'Antonio, V. Fafone, F. Frontera, G. Giordano, C. Guidorzi, A. Marini, Y. Minenkov, I. Modena, G. Modestino, A. Moleti, E. Montanari, G.V. Pallottino, G. Pizzella, L. Quintieri, A. Rocchi, F. Ronga, L. Sperandio, R. Terenzi, G. Torrioli, M. Visco
Cumulative Analysis Of The Association Between The Gravitational Wave Detectors Nautilus And Explorer And The Gamma-Ray Bursts Detected By Batse And BeppoSax.
e-Print Archive: **astro-ph/0408544** Aug (2004). 10pp

115 P. Astone, D. Babusci, M. Bassan, P. Bonifazi, P. Carelli, E. Coccia, C. Cosmelli, S. D'Antonio, V. Fafone, G. Giordano, A. Marini, Y. Minenkov, I. Modena, G. Modestino, A. Moleti, G.V. Pallottino, G. Pizzella, L. Quintieri, A. Rocchi, F. Ronga, R. Terenzi, G. Torrioli, M. Visco
Searching For Counterpart Of Gamma-Ray Bursts With Resonant Gravitational Wave Detectors.
Class.Quant.Grav.21:S759-S764, (2004)

114 P. Astone, D. Babusci, M. Bassan, P. Bonifazi, P. Carelli, G. Cavallari, E. Coccia, C. Cosmelli, S. D'Antonio, V. Fafone, S. Frasca, G. Giordano, A. Marini, Y. Minenkov, I. Modena, G. Modestino, A. Moleti, G.V. Pallottino, G. Pizzella, L. Quintieri, A. Rocchi, F. Ronga, R. Terenzi, G. Torrioli, M. Visco
Comments On The 2001 Run Of The Explorer / Nautilus Gravitational Wave Experiment.
Class.Quant.Grav.20:S785-S788 (2003)

113 P. Astone, D. Babusci, M. Bassan, P. Bonifazi, P. Carelli, G. Cavallari, E. Coccia, C. Cosmelli, S. D'Antonio, V. Fafone, S. Frasca, G. Giordano, A. Marini, Y. Minenkov, I. Modena, G. Modestino, A. Moleti, G.V. Pallottino, G. Pizzella, L. Quintieri, A. Rocchi, F. Ronga, R. Terenzi, G. Torrioli, M. Visco
On The Coincidence Excess Observed By The Explorer And Nautilus Gravitational Wave Detectors In The Year 2001.
Submitted to Class.Quant.Grav (2003)

112 By International Gravitational Event Collaboration (P. Astone et al.).
Methods And Results Of The Igec Search For Burst Gravitational Waves In The Years 1997 - 2000.
Published in Phys.Rev.D68:022001 (2003)

111 P.Astone, D.Babusci, M.Bassan, P.Bonifazi, P.Carelli, G.Cavallari, E.Coccia, C.Cosmelli, S.D'Antonio, V.Fafone, G.Federici, S.Frasca, G.Giordano, A.Marini, Y.Minenkov, I.Modena, G.Modestino, A.Moleti, G.V.Pallottino, G.Pizzella, L.Quintieri, A.Rocchi, F.Ronga, R.Terenzi, G.Torrioli, M.Visco
Increasing the Bandwidth of Resonant Gravitational Antennas: The Case of Explorer
Physical Review Letters 91, 11, (2003)

110 P. Astone, M. Bassan, P. Bonifazi, P. Carelli, G. Castellano, E. Coccia, C. Cosmelli, G. D'Agostini, S. D'Antonio, V. Fafone, G. Federici, F. Frontera, C. Guidorzi, A. Marini, Y. Minenkov,

I. Modena, G. Modestino, A. Moleti, E. Montanari, G.V. Pallottino, G. Pizzella, L. Quintieri, A. Rocchi, F. Ronga, A. Rocchi, R. Terenzi, G. Torrioli, M. Visco
Search For Correlation Between Grb's Detected By BeppoSax And Gravitational Wave Detectors Explorer And Nautilus.
Phys.Rev.D66:102002 (2002)

109 P. Astone, M. Bassan, P. Bonifazi, P. Carelli, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, S. D'Antonio, V. Fafone, G. Federici, Y. Minenkov, G. Modestino, I. Modena, A. Moleti, G. Pizzella, G.V. Pallottino, L. Quintieri, A. Rocchi, F. Ronga, R. Terenzi, G. Torrioli, M. Visco
The Explorer Gravitational Wave Antenna: Recent Improvements And Performances.
Class.Quant.Grav.19:1905-1910 (2002)

108 P. Astone, L. Baggio, D. Busby, M. Bassan, D.G. Blair, M. Bonaldi, P. Bonifazi, P. Carelli, M. Cerdonio, E. Coccia, L. Conti, C. Cosmelli, S. D'Antonio, V. Fafone, P. Falferi, P. Fortini, S. Frasca, W.O. Hamilton, I.S. Heng, E.N. Ivanov, W.W. Johnson, C.R. Locke, A. Marini, E. Mauceli, M.P. McHugh, R. Mezzena, Y. Minenkov, I. Modena, G. Modestino, A. Moleti, A. Ortolan, G.V. Pallottino, G. Pizzella, G.A. Prodi, L. Quintieri, A. Rocchi, E. Rocco, F. Ronga, F. Salemi, G. Santostasi, L. Taffarello, R. Terenzi, M.E. Tobar, G. Vedovato, A. Vinante, M. Visco, S. Vitale, J.P. Zendri
Search For Gravitational Wave Bursts By The Network Of Resonant Detectors.
Class.Quant.Grav.19:1367-1367 (2002)

107 C.Cosmelli, P.Carelli, M.G.Castellano, F.Chiarello, R.Leoni, G.Torrioli
Measurements for an experiment fo macroscopic quantum coherence with SQUIDs.
Physica C (2002)

106 C.Cosmelli, F.Sciamanna, M.G.Castellano, R.Leoni, G.Torrioli, P.Carelli, F.Chiarello
Stroboscopic single-shot detection of the flux state in a radio frequency superconducting quantum interference device
App. Physics Letters, 80, 17, (2002).

105 P.Astone, D.Babusci, M.Bassan, P.Bonifazi, P.Carelli, G.Cavallari, E.Coccia, C.Cosmelli, S.D'Antonio, V.Fafone, G.Federici, S.Frasca, G.Giordano, A.Marini, Y.Minenkov, I.Modena, G.Modestino, A.Moleti, G.V.Pallottino, G.Pizzella, L.Quintieri, A.Rocchi, F.Ronga, R.Terenzi, G.Torrioli, M.Visco
Study of the coincidences between the Gravitationa Wave detectors Explorer and Nautilus in the Year 2001.
Class.Quant.Grav.19:5449-5463,2002

104 M. G. Castellano, R. Leoni, G. Torrioli, B. Buonomo, D. Simeone, P. Carelli, F. Chiarello, F. Mattioli and C. Cosmelli
Characterization of superconducting devices spanning the charging to Josephson regimes
Supercond. Sci. Technol. 14, 1156 (2001).

103 B. Buonomo, M. G. Castellano, R. Leoni, F. Mattioli, G. Torrioli, P. Carelli, F. Chiarello, C. Cosmelli
Aluminum single-electron transistors studied at 0.3 K in different transport regimes
J. Appl. Phys. 89, 6545 (2001).

102 C. Cosmelli, P. Carelli, M.G. Castellano, F. Chiarello, R. Leoni, G. Torrioli
An Integrated System of SQUIDs for the Study of Macroscopic Quantum Coherence

Proc. of the “8th Internatioanl Superconductive Electronics Conference” (ISEC ’01), Osaka, Japan, 19-22 June 2001.

101 C.Cosmelli, P.Carelli, M.G.Castellano, F.Chiarello, R.Leoni, G.Torrioli
Measurements for an experiment of macroscopic Quantum Coherence with SQUIDs
Physica C., in press (2001)

100 P.Carelli, M.G.Castellano, F.Chiarello, C.Cosmelli, R.Leoni, G.Torrioli
SQUID systems for Macroscopic Quantum Coherence and Quantum Computing
IEEE trans. on Appl. Supercond., 11, 210 (2001)

90 C.Cosmelli, M.G.Castellano, P.Carelli, F.Chiarello, A.Intelisano, N.Milanese
An hysteretic dc SQUID for Non Invasive Measurements of the flux states of an rf SQUID
IEEE trans. on Appl. Supercond., 11, 990 (2001)

89 C.Cosmelli, P.Cappelletti, P.Carelli, M.G.Castellano, F.Chiarello, G.Diambrini Palazzi, R.Leoni, N.Milanese, G.Torrioli
Superconducting Devices to Test Macroscopic Quantum Coherence on the Flux States of an Rf SQUID
Proc. Of the International Workshop “Macroscopic Quantum Coherence and Quantum Computing” (MQC2), by Kluvert Academic Plenum Publishers, Naples, Italy, 14-17 June 2000

88 M.G.Castellano, A.Intelisano, R.leoni, N.Milanese, G.Torrioli, C.Cosmelli, P.Carelli, F.Chiarello
Escape from the zero-voltage state in hysteretic dc-SQUID with different dimensionless inductance
Int. J. Mod. Phys. B, 14, 3056 (2000)

87 L.Chiatti, C.Cosmelli.
Testing Quantum Mechanics with a system of SQUIDS
Submitted to European Phys. Journal (May 2000).

B. Buonomo, P. Carelli, M.G. Castellano, F. Chiarello, C. Cosmelli, R. Leoni, F. Mattioli, G. Torrioli
Study of a single-electron transistor for quantum computing applications.
Proc. of the International Conference “Trends in Nanotechnology 2000” (TNT2K), Toledo, Spain, 16-20 Oct. 2000

86 B. Buonomo, P. Carelli, M.G. Castellano, F. Chiarello, C. Cosmelli, R. Leoni, F.Mattioli and G. Torrioli
Noise characterization of an aluminum single electron transistor
Proc. of the International Conference “Elba-Max Planck Forum 2000 on Nanoscale Science and Technology”, Rome, Italy, 27-29 Sep.2000.

85. P. Carelli, M.G. Castellano, C. Cosmelli, R. Leoni, G. Torrioli.
Measurements on squids for a macroscopic quantum coherence experiment
Proc of the 1st Symposium on Micro- and Nanocryogenics (MNC), August 1-3 1999, University of Jyvaskyla, Finland in press. (2000).

84. P. Astone, M. Bassan, P. Bonifazi, P. Carelli, E. Coccia, C. Cosmelli, V. Fafone, S. Frasca, S. Marini, G. Mazzitelli, P. Modestino, I. Modena, A. Moleti, G.V. Pallottino, M. A. Papa, G. Pizzella, P.Rapagnani, F. Ricci, F. Ronga, R. Terenzi, M. Visco, L. Votano.
Crosscorrelation measurement of stochastic gravitational waves with two resonant gravitational wave detectors

Astronomy and Astrophysics, 351, 811 (1999).

83. M.G.Castellano, G.Torrioli, F.Chiarello, C.Cosmelli, P.Carelli.

Return current in hysteretic Josephson junctions: Experimental distribution in the thermal activation regime
Journal of Appl. Phys., 86, 6405 (Dec. 1999).

82. C.Cosmelli, P. Carelli, M.G. Castellano, F. Chiarello, R. Leoni, B. Ruggiero, P.Silvestrini, G. Torrioli.

Experimental evaluation of the intrinsic dissipation from energy level quantization in Josephson devices
Journal of Superconductivity, 12, 773 (Dec. 1999).

81. C. Cosmelli P. Carelli, M.G. Castellano, F. Chiarello, G. Diambrini-Palazzi, R. Leoni, G. Torrioli.

Measurement of the intrinsic dissipation of a macroscopic system in the quantum regime
Physical Review Letters, 82, 5357-5360 (June 1999).

80. B. Ruggiero, M. G. Castellano, G. Torrioli, C. Cosmelli, F. Chiarello, V.G. Palmieri, C. Granata, P.Silvestrini.

Effects of Energy Level Quantization on the Supercurrent Decay of Josephson Junctions
Phys. Rev. B 59, 177 (Jan. 1999).

79. C.Cosmelli, F.Chiarello, G.D'Agosta, M.G.Castellano, G.Torrioli.

Measurements of the decoherence time from energy level quantization in Josephson junctions and SQUIDS
IEEE Tr on Appl. Superconductivity, 9, 4123 (June 1999).

78. B.Ruggiero, C.Granata, E.Esposito, V.G.Palmieri, M.G.Castellano, C.Cosmelli, M.Russo, P.Silvestrini.

Energy level quantization in underdamped Nishium Josephson junctions
IEEE Tr. On Appl. Superconductivity, 9, 3978 (June 1999).

77. C.Cosmelli, P. Carelli, M.G.Castellano, F. Chiarello,R. Leoni, G. Torrioli.

Towards an experiment of MQC: determination of the decoherence time from energy levels quantization in rf SQUIDs
Quantum Coherence and Decoherence, K. Fujikawa and y.A. Ono Eds.(Elsevier Publishing, Tokio 1998).

76. M.G.Castellano, R.Leoni, G.Torrioli, C.Cosmelli, F.Chiarello, P. Carelli.

Measurements of thermal switching between metastable flux states in a rfSQUID with intermediate damping
Appl. Superconductivity 5, 405-411 (1998).

75. P. Astone et al. (ROG collaboration, UWA group).

Search for coincident excitation of the widely spaced resonant gravitational wave detectors Explorer, Nautilus and Niobe

Astroparticle physics, 10, 1 (1998) 83-92.

74. C.Cosmelli.

The MQC experiment in Roma: present status and future developments

Proc. of Int. Conf. on Macroscopic Quantum Coherence, Boston, (July 1997). In press

73. P. Carelli, M.G.Castellano, C. Cosmelli, R. Leoni, G. Torrioli.

Development and test of Josephson devices for an experiment of Macroscopic Quantum Coherence
Il Nuovo Cimento D 19, 1423-1428 (1997).

72. M.G. Castellano, C. Cosmelli, G. Torrioli, P. Carelli, G. Rotoli, M. Cirillo.

Magnetic field dependence of thermal excitations in Josephson junctions

IEEE Trans. on Applied Superconductivity 7, 2430-2433 (1997).

71. M.G. Castellano, R. Leoni, G. Torrioli, C. Cosmelli, F. Chiarello, P. Carelli.

Measurements of thermal switching between metastable flux states in a rf-SQUID with intermediate damping

Proc. of the 6th International Superconductive Electronics Conference (ISEC'97), Berlin, Germany, (26-28 June, 1997).

70. M.G. Castellano, G. Torrioli, C. Cosmelli, F. Chiarello, P. Carelli.

The return current in Hysteretic Nb/AlO_x/Nb Josephson junctions: experimental distribution in thermal activation regime, with an applied magnetic field

Proc. of the 6th International Superconductive Electronics Conference (ISEC'97), Berlin, Germany, (26-28 June, 1997).

69. C. Cosmelli.

Experimental Problems for Testing Macroscopic Quantum Coherence with SQUIDS

"Problems on Fundamental Physics" ed. A.I. Studenikin, p.48, Moscow (1997).

68. R. Cristiano, L. Frunzio, C. Nappi, M. G. Castellano, G. Torrioli, C. Cosmelli.

The effective dissipation in Nb/AlO_x/Nb Josephson junctions by return current measurements

Journal of Appl. Phys. 81, 7418-7426 (1997).

67. M.G. Castellano, F. Chiarello, P. Carelli, C. Cosmelli and G. Torrioli.

The return Current in Hysteretic Nb/AlO_x/Nb Joseph Junctions: Experimental Distribution in Thermal Activation Regime, with an Applied Magnetic Field,

Int. Conf. EUCAS 97, Berlin (1997).

66. M.G. Castellano, F. Chiarello, P. Carelli, C. Cosmelli, R. Leoni and G. Torrioli.

Measurement of Thermal Switching between Metastable Flux States in a rf-SQUID with intermediate damping

Int. Conf. EUCAS 97, Berlin (1997).

65. M.G. Castellano, R. Leoni, G. Torrioli, P. Carelli and C. Cosmelli.

Development and test of Josephson devices for an experiment of Macroscopic Quantum Coherence

Il Nuovo Cimento, vol. 19D, n.8-9, (Agosto-Settembre 1997).

64. P. Astone, M. Bassan, P. Bonifazi, P. Carelli, E. Coccia, C. Cosmelli, V. Fafone, S. Frasca, S. Marini, G. Mazzitelli, P. Modestino, I. Modena, A. Moleti, G.V. Pallottino, M. A. Papa, G. Pizzella, P. Rapagnani, F. Ricci, F. Ronga, R. Terenzi, M. Visco, L. Votano.

The gravitational wave detector Nautilus operating at T=0.1 K

Astroparticle Physics, 7, 231-243 (1997).

63. E. Mauceli, Z. K. Zeng, W. Hamilton, W. Johnson, S. Merkowitz, A. Morse, N. Solomonson, P.

P. Astone, M. Bassan, P. Bonifazi, P. Carelli, E. Coccia, C. Cosmelli, V. Fafone, S. Frasca, I. Modena, P.

P. Modestino, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, F. Ronga, R. Terenzi, M. Visco.

Search for gravitational radiation from Supernova 1993J
Physical review D, 56, 10, 6081-6084 (1997).

62. C. Cosmelli.

The MQC experiment to test Macroscopic Quantum Coherence in a SQUID

“New Perspectives in the Physics of Mesoscopic Systems”, ed. De Martino, De Nicola, De Siena, Fedele, Miele, pag.43 , World Scientific (1996).

61. M.G. Castellano, R. Leoni, G. Torrioli, F. Chiarello, C. Cosmelli, A. Costantini, G. Diambrini-Palazzi, P. Carelli, R. Cristiano, L. Frunzio.

Switching dynamics of Nb/AIOx/Nb Josephson junctions: measurements for an experiment of Macroscopic Quantum Coherence

Journal Appl. Phys. 80, 2922 (1996).

60. M.G. Castellano, G. Torrioli, C. Cosmelli, A. Costantini, F. Chiarello, P. Carelli, G. Rotoli, M. Cirillo, R.L.Kautz.

Thermally activated escape form the zero-voltage state in long Josephson junctions

Phys. Rev. B 54, 15417 (1996).

59. P. Astone, M. Bassan, P. Bonifazi, P. Carelli, E. Coccia, C. Cosmelli, V. Fafone, S. Frasca, S. Marini, G. Mazzitelli, P. Modestino, I. Modena, A. Moleti, G.V. Pallottino, M. A. Papa, G. Pizzella, P. Rapagnani, F. Ricci, F. Ronga, R. Terenzi, M. Visco, L. Votano.

Upper limit for a gravitational wave stochastic background measured with Explorer and Nautilus gravitational wave resonant detectors

Physics Letters B 385, 421-424 (1996).

58. M.G. Castellano, R. Leoni, G. Torrioli, P. Carelli, C. Cosmelli.

Development and test of Josephson Devices for an experiment of Macroscopic Quantum Coherence

SATT8, villa Olmo, Como, 1-4 Oct. 1996.

57. P. Carelli, M.G. Castellano, F. Chiarello, L. Chiatti, M. Cirillo, C. Cosmelli, G. Diambrini-Palazzi, D. Fargion, R. Leoni, G. Rotoli, F. Scaramuzzi, G. Torrioli, A. Zirizzotti.

MQC: an experiment for detecting Macroscopic Quantum Coherence with a system of SQUIDS

Proc. of the International Conference “Fundamental Problems in Quantum Mechanics”, Ed. D. Greenberger and A. Zeilinger, New York, June 18-22 1994, The New York Academy of Sciences (New York) p. 845 (1995).

56. C. Cosmelli, G. Diambrini-Palazzi, C. Bravi, F. Chiarello, A. Costantini, M.G. Castellano, R. Leoni, G. Torrioli, P. Carelli, G. Rotoli, L. Chiatti, F. Scaramuzzi.

Experimental detection of Macroscopic Quantum Coherence with SQUIDs: state of art and preliminary test on high quality Josephson junctions

Macroscopic Quantum Phenomena and Coherence in Superconducting Networks, G. Giovannella and M. Tinkham eds., 38 (World Scientific, 1995).

55. C. Cosmelli, G. Diambrini-Palazzi, F. Chiarello, A. Costantini, M.G. Castellano, R. Leoni, G. Torrioli, P. Carelli, R. Cristiano, L. Frunzio.

Low temperature behaviour of Josephson junctions for the MQC (Macroscopic Quantum Coherence) experiment

Proc. of the Second European Conference on Applied Superconductivity, Bristol, UK, p.1323 (July 1995).

54. MQC Collaboration.

Low Temperature Behaviour of Josephson Junctions for the MQC Experiment

Proc. of European Conf. on Applied Superconductivity, Edimburg, (June 1995).

53. P. Astone, M. Bassan, P. Bonifazi, P. Carelli, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, V.Fafone, S. Frasca, E. Majorana, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M.Visco.

Long-term operation of the Rome Explorer cryogenic gravitational wave detector

Phys. Rev. D 47, 362-375 (1993).

52. C.Cosmelli and G.Diambrini Palazzi.

Proposal of an Experiment for Detecting Macroscopic Quantum Coherence with a System of SQUIDS

Proposal to INFN, Roma, September 1993, and Addendum, Roma, November 1993, unpublished.

51. C.Cosmelli.

Asymmetries on a Three-Coupled-Oscillator System: Their Use in a Gravitational-Radiation Detector

Il Nuovo Cimento, 16C, 4, pp. 319, (1993).

50. P.Astone, M.Bassan, P.Bonifazi, E.Coccia, C.Cosmelli, S.Frasca, E.Majorana, I.Modena, G.V.Pallottino, G.Pizzella, P.Rapagnani, F.Ricci, M.Visco.

Report on the Ultralow temperature gravitational Radiation Detector Nautilus of the Rome Group

Proc. of the 13th Int. Conference on General Relativity and Gravitation, Huerta Grande, Cordoba, Argentina, June 28-July 4, pp.459, 1992. Eds. P.W.Lamberti, O.E. Ortiz, (1993).

49. P.Astone, M.Bassan, P.Bonifazi, E.Coccia, C.Cosmelli, S.Frasca, E.Majorana, I.Modena, G.V.Pallottino, G.Pizzella, P.Rapagnani, F.Ricci, M.Visco.

New Upper Limit on Gravitational Radiation

Proc. of the 13th Int. Conference on General Relativity and Gravitation, Huerta Grande, Cordoba, Argentina, June 28-July 4, pp.457, 1992. Eds. P.W.Lamberti, O.E. Ortiz, (1993).

48. P. Astone, M. Bassan, P. Bonifazi, E. Coccia, C. Cosmelli, V. Fafone, S. Frasca, E. Majorana, I.Modena, G.P. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, F. Ronga, M. Visco.

Upper limit for nuclearite flux from the Rome Gravitational wave resonant detectors

Phys. Rev. D,47, 10, 4770-4773 (1993).

47. M.G.Castellano, M.Bassan, P.Carelli, E.Coccia, C.Cosmelli, V.Fafone, I. Modena.

Noise measurements on a Tunnel Junction dc SQUID for a Gravitational Radiation Detector at Ultralow Temperature

Il Nuovo Cimento 15 C, 219-225 (1992).

46. P.Astone, M.Bassan, P.Bonifazi, E.Coccia, C.Cosmelli, S.Frasca, E.Majorana, I.Modena, G.Pallottino, G.Pizzella, P.Rapagnani, F.Ricci, M.Visco.

Noise behaviour of the Explorer gravitational wave antenna during ? transition to the superfluid phase

Cryogenics, 32, 7, pp. 668, (1992).

45. P.Astone, M.Bassan, P.Bonifazi, P.Carelli, E.Coccia, C.Cosmelli, S.Frasca, E.Majorana, I.Modena, G.V.Pallottino, G.Pizzella, P.Rapagnani, F.Ricci, M.Visco.

Status report on the Rome Gravitational Wave Experiment

Proc. 6th Marcell Grossmann Meeting, June 23-29, Kyoto-Japan.1991, pp. 1450 (World Scientific 1992).

44. C.Cosmelli, M.G.Castellano, P.Carelli.
The dc-SQUID amplifier for the NAUTILUS gravitational wave detector at CERN: preliminary measurements
 Proc. Of the 4th Int. Conference SQUID 91, 567, Springer-Verlag, Berlin, Germany (1992).
43. P. Astone, M. Bassan, P. Bonifazi, P. Bonifazi, E. Coccia, C. Cosmelli, S. Frasca, E. Majorana, I.Modena, G. V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M. Visco.
New upper limit on gravitational radiation
 13th International Conference on General Relativity and Gravitation Cordoba, (July 1992).
42. P. Astone, M. Bassan, P. Bonifazi, P. Bonifazi, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, V.Fafone, S. Frasca, K. Geng, W.O. Hamilton, W.W. Johnson, E. Majorana, E. Mauceli, S.Merkowitz, I. Modena, A. Morse, G. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, N.Solomonson, M. Visco, N.Zhu.
Result of a preliminary data analysis in coincidence between the LSU and Rome gravitational wave antennas
 Proceedings of the X Italian Conference on General Relativity and Gravitational Physics, Bardonecchia. World Scientific, Ed. Cerdonio,D'Auria, Francaviglia, Magnano, 551-553 (1992).
41. P. Astone, M. Bassan, P. Bonifazi, P. Carelli, E. Coccia, C. Cosmelli, S. Frasca, E. Majorana, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, P.F. Toscano, M. Visco.
The Gravitational Wave Antenna Altair
 MG6 Marcell Grossmann Meeting, 23-29 June 1991, Kyoto-Japan. World Scientific Singapore 1992.
40. P. Astone, F. Bronzini, M.G. Castellano, E. Coccia, C. Cosmelli, V. Fafone, S. Frasca, E. Majorana, I.Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M. Visco.
First cooling below 0.1K of the new gravitational-wave antenna NAUTILUS of the Rome group
 Europhys. Lett. 16, 231-235 (1991).
39. C. Cosmelli.
Free Parameters in the Matching Conditions for a Cryogenic Gravitational Radiation Detector
 Europhysics Letters, 16,p.17-21, (1991).
38. M. Aglietta, A. Castellina, W. Fulgione, G. Trinchero, S. Vernetto, P. Astone, G. Badino, G. Bologna, M.Bassan, E. Coccia, I. Modena, P. Bonifazi, M.G. Castellano, M. Visco, C. Castagnoli, P. Galeotti, O.Saavedra, C. Cosmelli, S. Frasca, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, E. Majorana, D.Gretz, J. Weber, G. Wilmot.
Correlation between the Maryland and Rome Gravitational-wave Detectors and the Mont Blanc, Kamioka and IMB Particle Detectors During SN1987A
 Il Nuovo Cimento 106, 1257 (1991).
37. M. Aglietta, A. Castellina, W. Fulgione, G. Trinchero, S. Vernetto, C. Castagnoli, P. Galeotti, O.Saavedra, E. Amaldi, S. Frasca, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, P. Astone, C.Cosmelli, M.Bassan, E. Coccia, I. Modena, P. Bonifazi, M.G. Castellano, M. Visco, G. Badino, G.Bologna, V.L.Dadykin, F.F. Khalchukov, I.V. Korolkova, P.V. Kortchagin, V.A. Kudryatzev, A.S. Malguin, V.G.Ryassny, O.G. Ryazhskaya, V.F. Yakushev, G.T. Zatsepin, D. Gretz, J. Weber, G.Wilmot.
Coincidences among the data recorded by the Baksan, Kamioka and Mont Blanc underground neutrino detectors, and by the Maryland and Rome gravitational-wave detectors during Supernova 1987A
 Il Nuovo Cimento 14C, 171 (1991).

36. P. Astone, M. Bassan, P. Bonifazi, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, S. Frasca, E. Majorana, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M. Visco.
The gravitational wave experiment of the Rome group. Status report for the resonant antennas Explorer and NAUTILUS
 Gravitational Astronomy: Instrument Design and Astrophysical Prospects, D.E. McClelland and H.A. Bachor ed., World Scientific, 189 (1991).
35. E. Amaldi, P. Astone, M. Bassan, P. Bonifazi, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, S. Frasca, E. Majorana, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M. Visco, Zhu Ning.
Sensitivity of the Rome Gravitational Wave Experiment with the Explorer Cryogenic Resonant Antenna Operating at 2 K
 Europhys. Lett. 12, 5-11 (1990).
34. P. Astone, M. Bassan, P. Bonifazi, C. Castagnoli, M.G. Castellano, E. Coccia, C. Cosmelli, S. Frasca, I. Modena, E. Majorana, D. Gretz, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, O. Saavedra, S. Vernetto, M. Visco, J. Weber, G. Wilmot.
Correlation between the Maryland and Rome Gravitational Wave Detector Data and the Frejus Muon Detector Data during SN1987A
 Second International Workshop on Neutrino Telescopes, Venezia, (February 1990).
33. M. Bassan, P. Bonifazi, F. Bordoni, M.G. Castellano, V. Iafolla, M. Visco.
Operation of the gravitational wave detector in Frascati
 Proc. of the Fifth Marcel Grossmann Meeting on General Relativity, The University of Western Australia, Perth (Western Australia) 1988, North-Holland Publishing Co. (1990).
32. E. Amaldi, M. Bassan, P. Bonifazi, P. Carelli, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, V. Foglietti, S. Frasca, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci.
The cryogenic gravitational wave experiment of the Rome group. A progress report
 Proceedings of the Fifth Marcel Grossmann Meeting, The University of Western Australia, Perth (Western Australia) 1988, North-Holland Publishing Co. (1990).
31. P. Carelli, M.G. Castellano, C. Cosmelli, V. Foglietti.
Coupling of a dc SQUID to a gravitational wave antenna
 II Workshop on Data Analysis of Gravitational Wave Detectors, Amalfi 1988 (World Scientific 1990).
30. E. Amaldi, P. Astone, M. Bassan, P. Bonifazi, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, S. Frasca, E. Majorana, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M. Visco, Zhu Ning.
Sensitivity of the Rome gravitational wave experiment with the Explorer cryogenic resonant antenna operating at 2 K
 Europhysics Letters 5-11 (1990).
29. M. Aglietta, E. Amaldi, G. Badino, M. Bassan, G. Bologna, P. Bonifazi, C. Castagnoli, M.G. Castellano, A. Castellina, E. Coccia, C. Cosmelli, V.L. Dadykin, S. Frasca, W. Fulgione, P. Galeotti, D. Gretz, A.S. Malguin, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, V.G. Ryassny, O.G. Ryazhskaya, O. Saavedra, G. Trinchero, G. Vannaroni, S. Vernetto, J. Weber, G. Wilmot, V.F. Yakushev, G.T. Zatsepin.
Analysis of the data recorded by the Mont Blanc neutrino detector and by the Maryland and Rome gravitational wave detectors during SN1987A
 Il Nuovo Cimento 12C, 75-103 (1989).

28. E. Amaldi, O. Aguiar, M. Bassan, P. Bonifazi, P. Carelli, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, W.M. Fairbank, S. Frasca, V. Foglietti, R. Habel, W.O. Hamilton, J. Henderson, W. Johnson, A.G. Mann, M.S. McAshan, P.F. Michelson, I. Modena, B.E. Moskowitz, G.V. Pallottino, G. Pizzella, J.C. Price, P. Rapagnani, F. Ricci, N. Solomonson.

First Gravitational Wave Coincidence Experiment Between Three Cryogenic Resonant-Mass Detectors: Louisiana-Roma-Stanford

Astronomy and Astrophysics 216, 325 (1989).

27. E. Amaldi, P. Astone, M. Bassan, P. Bonifazi, P. Carelli, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, S. Frasca, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M. Visco.

Progress Report (July 1989) of the Rome Gravitational Wave Experiment

12th International Conference on General Relativity and Gravitation, Boulder, Colorado (USA), (July 1989).

26. E. Amaldi, M. Bassan, P. Bonifazi, M.G. Castellano, E. Coccia, C. Cosmelli, S. Frasca, D. Gretz, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, J. Weber, G. Wilmot.

Coincidences among the Maryland and Rome Gravitational Wave Detector Data and the Mont Blanc and Kamioka neutrino Detector Data in the Period of SN1987A

Fourteenth Texas Symposium on Relativistic Astrophysics, Volume 571, Annals of the New York Academy of Sciences, 561-576 (1989).

25. M. G. Castellano and C. Cosmelli.

Spurious inductive coupling of a dc-SQUID to a resonant input circuit

Journal of Appl. Physics 63, 2015-2020 (1988).

24. M. Aglietta, E. Amaldi, G. Badino, M. Bassan, G. Bologna, P. Bonifazi, C. Castagnoli, M.G. Castellano, A. Castellina, E. Coccia, C. Cosmelli, V.L. Dadykin, S. Frasca, W. Fulgione, P. Galeotti, D. Gretz, A.S. Malguin, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, V.G. Ryassny, O.G. Ryazhskaya, O. Saavedra, G. Trinchero, G. Vannaroni, S. Vernetto, J. Weber, G. Wilmot, V.F. Yakushev, G.T. Zatsepin.

Analysis of the data recorded by the Mont Blanc neutrino detector and by the Maryland and Rome gravitational wave detectors during SN1987A

Fifth Marcel Grossmann Meeting, Perth, Ago. (1988).

23. E. Amaldi, P. Bonifazi, M.G. Castellano, E. Coccia, C. Cosmelli, S. Frasca, M. Gabellieri, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, G. Vannaroni.

Data Recorded by the Rome Room Temperature Gravitational Wave Antenna, during the Supernova SN 1987A in the Large Magellanic Cloud

Europhysics Letters 3, 1325-1330 (1987).

22. C. Cosmelli, P. Carelli, M. G. Castellano, V. Foglietti.

Long term operation of a low noise dc-SQUID coupled to a very high Q gravitational radiation detector

IEEE Trans. on Magnetics MAG-23, 454-457 (1987).

21. P. Carelli, M.G. Castellano, C. Cosmelli, V. Foglietti.

Dc-SQUID coupled to a gravitational-wave antenna

Proc. of the International Symposium on Experimental Gravitational Physics, Guangzhou (RPC), (1987).

20. E. Amaldi, P. Bonifazi, P. Carelli, M. G. Castellano , G. Cavallari, E. Coccia, C. Cosmelli, V. Foglietti, R. Habel, I. Modena, G. V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci.
Preliminary results on the operation of a 2270 kg cryogenic gravitational wave antenna with a resonant capacitive transducer and a dc-SQUID amplifier
Il Nuovo Cimento 9C, 829-845 (1986).
19. E. Amaldi, P. Bonifazi, P. Carelli, M. G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, V. Foglietti, R. Habel, I. Modena, G. V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci.
Report on the operation of a 2300 kg cryogenic gravitational wave antenna with a dc SQUID amplifier
Proc. of the 11th International Conference on General Relativity and Gravitation, 592, Stockholm, (July 1986).
18. E. Amaldi, P. Bonifazi, P. Carelli, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, V. Foglietti, S. Frasca, R. Habel, I. Modena, R. Onofrio, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci.
Operation of the 2270 kg gravitational wave resonant antenna of the Rome group
13th Texas symposium on relativistic Astrophysics, Chicago, Illinois, USA, 14-19 (1986).
17. E. Amaldi, P. Bonifazi, F. Bronzini, P. Carelli, M. G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, V. Foglietti, S. Frasca, R. Habel, I. Modena, G. V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, G. Vannaroni.
The gravitational wave experiment of the Rome group
Proc. of the 4th Marcel Grossmann Meeting, 499-521, Rome, (1986).
16. P. Carelli, M. G. Castellano, C. Cosmelli, V. Foglietti, I. Modena.
Coupling of a high sensitivity superconducting amplifier to a gravitational wave antenna
Phys. Rev. A 32, 3258-3265 (1985).
15. E. Amaldi, E. Coccia, C. Cosmelli, Y. Ogawa, G. Pizzella, P. Rapagnani, F. Ricci, P. Bonifazi, M.G. Castellano , G. Vannaroni, F. Bronzini, P. Carelli, V. Foglietti, G. Cavallari, R. Habel, I. Modena, G. V. Pallottino.
Initial operation at liquid Helium temperature of the M=2270 Kg Al 5056 Gravitational Wave Antenna of the Rome Group
Il Nuovo Cimento 7C, 338-354 (1984).
14. M.G. Castellano, C. Cosmelli.
Sensitivity improvement of a two-mode gravitational radiation detector trough the use of a transducer not perfectly tuned to the antenna.
Il Nuovo Cimento, 7C, B 9, (1984).
13. E. Amaldi, P. Bonifazi, M.G. Castellano , E. Coccia, C. Cosmelli, S. Frasca, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci.
Progress report of the gravitational wave experiment of the Rome group
10th International Conference on General Relativity and Gravitation, Padova, (July 1983).
12. M.G. Castellano , C. Cosmelli, P. Rapagnani.
Development of transducers for gravitational wave antennas at the University of Rome
Proc. of IIIrd Marcel Grossmann Meeting, 1473, Shanghai (1982).
11. C. Cosmelli, J.P. Richard.

Quality factors of a three-mode 50 Kg gravitational radiation antenna at liquid helium temperature.
Rev. Sci. Instrum., 5, 674, (1982).

10. E. Amaldi, P. Bonifazi, F. Bordoni, E. Coccia, C. Cosmelli, S. Frasca, F. Fuligni, U. Giovanardi, V. Iafolla, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, S. Ugazio, G. Vannaroni.
Background of Gravitational-Wave Antennas of Possible Terrestrial Origin I.
Il Nuovo Cimento , 4C, May-Juin (1981).
9. E. Amaldi, P. Bonifazi, F. Bordoni, M. G. Castellano , C. Cosmelli, V. Ferrari, S. Frasca, M.K.Fujimoto, F.Fuligni, U. Giovanardi, V. Iafolla, I. Modena, G. V. Pallottino, B. Pavan, G.Pizzella, P. Rapagnani, F.Ricci, S. Ugazio, G. Vannaroni.
Progress report on the Gravitational Wave Experiment in Rome
Proc. of the 2nd Marcel Grossmann Meeting on the Recent Developements of General Relativity, Miramare, Trieste, 1211-1225 (July 1979).
8. E. Amaldi, C. Cosmelli, S. Frasca, I. Modena, G.V. Pallottino, G. Pizzella, F. Ricci, P. Bonifazi, F.Bordoni, V. Ferrari, U. Giovanardi, V. Iafolla, B. Pavan, S. Ugazio, G. Vannaroni.
Initial Operation of the M=390 Kg cryogenic gravitational wave antenna
Lett. al Nuovo Cimento, 1, C, 497, (1979).
7. C.Cosmelli, S.Frasca.
Fast new technique for measuring the resonance frequencies of high Q systems.
Rev. Sci. Instrum., 50, 1650,(1979).
6. E. Amaldi, C. Cosmelli, P. Bonifazi, F. Bordoni, V. Ferrari, U. Giovanardi, G. Vannaroni, G.V.Pallottino, G. Pizzella, I. Modena.
Measurements with a small cryogenic gravitational wave antenna at 1.5 K.
Lett. al Nouvo Cimento,1, C, 341, (1978).
5. E. Amaldi, C. Cosmelli, U. Giovanardi, I. Modena, G.V.Pallottino, G. Pizzella.
Measurements of the merit factor Q of an Aluminium Gravitational Wave Antenna between 4.2 and 1.1 K.
Il Nuovo Cimento ,41B, 327, (1977).
4. Amaldi, C. Cosmelli, F. Bordoni, P. Bonifazi, U. Giovanardi, G.Vannaroni, G.V. Pallottino, G.Pizzella, I.Modena.
Measurements at 4.2 K of the brownian noise in a 20 Kg gravitational wave antenna and upper limit for gravitational radiation at 8580 Hz.
Lett. Nuovo Cimento, 18, 425, (1977).
3. Amaldi et al.
The Gravitational Experiment in Rome
Atti dei Convegni Lincei, Int. Symp. Experimental Gravitation, Pavia, 287 (1976).
2. M. Cerdonio, C. Cosmelli, G.L. Romani, C. Messana, C.Gramaccioni.
Superconducting magnetometer for high resolution susceptibility measurements.
Rev. Sci. Instrum. , 47, 1, (1976).
1. Cerdonio, C. Cosmelli, F. Mogno, G.L. Romani.
Vibrating sample superconducting magnetometer

Proc. Int. Conf. On Low Temp. Physics, LT14, Helsinki, 4, 258 (1975).

Internal Reports and Presentations to Conferences

P. Carelli, M.G. Castellano, F. Chiarello, M. Cirillo, C. Cosmelli, A. Costantini, G. Rotoli, G. Torrioli.
Thermal Activation Experiments on Large Area Josephson Junctions
Nota Interna N. 1066, Dipartimento di Fisica, Università di Roma ``La Sapienza'', INFN, Sez. Roma
1, 21 settembre 1995.

P. Astone, M. Bassan, P. Bonifazi, P. Carelli, E. Coccia, C. Cosmelli, V. Fafone, S. Frasca, S. Marini,
G. Mazzitelli, P. Modestino, I. Modena, A. Moleti, G.V. Pallottino, M. A. Papa, G. Pizzella, P.
Rapagnani, F. Ricci, F. Ronga, R. Terenzi, M. Visco, L. Votano.
Effects of Cosmic-Ray-Induced Cascades on the Ultracryogenic Antenna Nautilus
LNF-95/035 (1995).

M.G. Castellano, C. Cosmelli.

Detection of Macroscopic QUantum Coherence with a system of SQUIDS: the MQC experiment
Congresso Nazionale di Fisica della Materia, Napoli (29 Maggio - 1 Giugno 1995).

P. Astone, M. Bassan, P. Bonifazi, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, S. Frasca,
E. Majorana, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M. Visco.
The Gravitational-Wave Experiment
Progress Report to the CERN Research Board (1990).

P. Astone, M. Bassan, P. Bonifazi, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, S. Frasca,
V. Loschiavo, E. Majorana, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, P.
Toscano, M. Visco.
The gravitational wave observatory Altair-Explorer: coincidence analysis for the period 4-7 July 1990
Internal Report IFSI-90-42 (1990).

E. Amaldi, M. Bassan, P. Bonifazi, P. Carelli, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli,
V. Foglietti, S. Frasca, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci.
The Cryogenic Gravitational Wave Experiment of the Rome Group at CERN
Conference on High Performance SQUID Systems, Tiburon (USA), August 1988.

M.G. Castellano , C. Cosmelli.

Trasduttore induttivo. Prove sul trasduttore capacitivo e accoppiamento al dc-SQUID
in Primo congresso del gruppo romano di ricerca delle onde gravitazionali ,Nota Interna n. 786,
Istituto di Fisica, Università di Roma, Novembre 1981.

M.G. Castellano , C. Cosmelli.

Studio di un'antenna gravitazionale accoppiata ad un trasduttorcapacitivo risonante:circuito equivalente e spettri di rumore
Nota Interna 82-3, Istituto di Fisica dello Spazio Interplanetario, CNR, Frascati, Marzo 1982.

M.G. Castellano, C. Cosmelli, P. Rapagnani.

Test of the influence of a loading mass on the mechanical quality factor of a cryogenic gravitational wave antenna

Nota Interna n. 794, Istituto di Fisica, Università di Roma, Giugno 1982.

Collaborazione MQC

Misure di escape su giunzioni Josephson.

LXXXIII Congresso Nazionale, Como 1997

C.Cosmelli, F.V.Greco, G.V.Pallottino.

Circuito di controllo per lo SQUID usato come amplificatore in un rivelatore gravitazionale.

LXXXII Congresso SIF, Verona (1996).

Collaborazione MQC.

Misura della vita media dello stato superconduttore per giunzioni Josephson fra 4.2 K e 350 mK

LXXXI Congresso SIF, Perugia (1995).

P. Astone, M. Bassan, P. Bonifazi, P. Carelli, M.G. Castellano, E. Coccia, C. Cosmelli, V. Fafone, S.Frasca, A. Marini, G. Mazzitelli, I. Modena, G. Modestino, G.V. Pallottino, M.A. Papa, G. Pizzella, P.Rapagnani, F. Ricci, F. Ronga, R. Terenzi, P. Tricarico, M. Visco, L. Votano.

L'esperimento NAUTILUS per le onde gravitazionali

LXXX Congresso SIF, Lecce (26 settembre - 1 ottobre 1994).

M.G. Castellano, C. Cosmelli, G.V. Pallottino.

Effetti rigenerativi nel rivelatore gravitazionale Explorer

LXXX Congresso SIF, Lecce (26 settembre - 1 ottobre 1994).

P. Carelli, M.G. Castellano, F. Chiarello, L. Chiatti, M. Cirillo, C. Cosmelli, G. Diambrini Palazzi, D.Fargion, R. Leoni, G. Rotoli, F. Scaramuzzi, G. Torrioli, A. Zirizzotti.

MQC: un esperimento per la verifica della coerenza quantistica in un sistema macroscopico

LXXX Congresso SIF, Lecce (26 settembre - 1 ottobre 1994).

Collaborazione ROG.

L'esperimento Nautilus per la ricerca di onde gravitazionali

LXXVIII Congresso SIF, Pavia (ottobre 1992).

Collaborazione ROG

Calibrazione dell'antenna gravitazionale EXPLORER

LXXVIII Congresso SIF, Pavia (ottobre 1992).

P. Carelli, M.G. Castellano, C. Cosmelli, R. Leoni.

dc-SQUID per rivelatori risonanti di onde gravitazionali

LXXVII Congresso SIF, L'Aquila (1991).

M.G. Castellano, M. Bassan, E. Coccia, V. Fafone, F. Zampa, C. Cosmelli, G. Schirripa.

Misure di responsività e rumore di un dc-SQUID a bassissima temperatura

LXXVI Congresso SIF, Trento (1990).

P. Astone, M. Bassan, E. Coccia, P. Bonifazi, M.G. Castellano, M. Visco, C. Cosmelli, S. Frasca, E. Majorana, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci.

Coincidenze tra due antenne gravitazionali a temperatura ambiente
LXXVI Congresso SIF, Trento (1990).

P. Astone, M. Bassan, P. Bonifazi, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, S. Frasca, E. Majorana, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M. Visco.

Stato attuale dell'antenna gravitazionale criogenica Explorer.
LXXVI Congresso SIF, Trento (1990).

P. Astone, M. Bassan, E. Coccia, I. Modena, P. Bonifazi, M.G. Castellano, M. Visco, P. Carelli, C. Cosmelli, S. Frasca, E. Majorana, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, V. Loschiavo.

Risultati dell'esperimento gravitazionale ALTAIR operante alla frequenza di 1.8 kHz.
LXXVI Congresso SIF, Trento (1990).

C. Cosmelli.

Sensibilità di un rivelatore fuori dall'equilibrio termodinamico
LXXVI Congresso SIF, Trento (1990).

C. Cosmelli, V. Iafolla, M.G. Castellano, M. Visco.

Asimmetria in un sistema di tre oscillatori accoppiati. Proposta di utilizzo in un rivelatore per onde gravitazionali.
LXXV Congresso SIF, Cagliari (1989).

E. Amaldi, P. Astone, M. Bassan, F. Bordoni, P. Bonifazi, P. Carelli, M.G. Castellano, G. Cavallari, V. Iafolla, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M. Visco.

Misure in coincidenza con l'antenna gravitazionale Explorer I ($M=2270$ kg, Ginevra) e l'antenna gravitazionale ($M=389$ kg) situata presso l'I.F.S.I. di Frascati
LXXV Congresso SIF, Cagliari (1989).

E. Amaldi, P. Astone, M. Bassan, P. Bonifazi, P. Carelli, M.G. Castellano, G. Cavallari, E. Coccia, C. Cosmelli, S. Frasca, I. Modena, G.V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, M. Visco.

Esperimento gravitazionale Explorer: risultati recenti ottenuti ad una temperatura di 2K
LXXV Congresso SIF, Cagliari (1989).

M.G. Castellano, C. Cosmelli, E. Serafini.

Accoppiamento di un dc-SQUID a un trasduttore capacitivo risonante
LXX Congresso SIF 133, 179 (1984).

M.G. Castellano, C. Cosmelli, P. Rapagnani.

Test of the influence of a loading mass on the mechanical quality factor of a cryogenic gravitational wave antenna
LXVIII Congresso SIF 127, 69 (1982).

C. Cosmelli, J.P. Richard.

Un trasduttore risonante superconduttore per antenne gravitazionali
LXV Congresso SIF, Ancona, 1979.

E.Amaldi et al.

Misure con una piccola antenna gravitazionale ($m=20\text{ kg}$) alla temperatura di 1.5 K

LXIV Congresso SIF, Siena, 1978.

E.Amaldi et al.

Misure preliminari con un'antenna gravitazionale risonante ($m=390\text{ kg}$) alla temperatura di 4.2 K

LXIV Congresso SIF, Siena, 1978.

S.Baranera, C.Cosmelli, U.Giovanardi.

L'antenna gravitazionale criogenica da 20 kg in funzione presso l'Istituto di Fisica di Roma

LXII Congresso SIF, Trento 1976.

