

Bibliografia

- [1] M.A.Markov, I.M.Zheleznykh, Nucl. Phys., **27**, p. 385, (1961)
- [2] J.G.Learned, K.Mannheim, High-energy neutrino astrophysics, Annual Review Nucl. Part. Sci., 2000
- [3] M.Longair, High Energy Astrophysics, Cambridge University Press, (1997)
- [4] http://www.ngdc.noaa.gov/stp/SOLAR/COSMIC_RAYS/cosmic.html
- [5] http://it.wikipedia.org/wiki/Radiazione_cosmica
- [6] Gaisser, Cosmic rays and particle physics, Cambridge University Press (1990)
- [7] Perkins, Particle Astrophysics, Oxford University Press, (2003)
- [8] AUGER collaboration, Proc. of Rome International Conference on Cosmic Rays and Particle Astrophysics, 2007
- [9] Anne Hoppelt, Étude de la résolution angulaire du télescope à neutrinos ANTARES, Thèse de doctorat, Université de la Méditerranée, 2001
- [10] V.L.Ginzburg, S.I.Syrovatskii, Origin of Cosmic Rays, (1964)
- [11] R.J.Protheroe, Origin and propagation of the highest energy cosmic rays
<http://it.arxiv.org/abs/astro-ph/9612212v1>
- [12] Kamiokande Collaboration, Phys. Rev. Lett. **58**, p. 1490, (1987)
- [13] Manuela Vecchi, Studio dell'effetto del biofouling sull'efficienza di rivelazione di un apparato Čerenkov per neutrini astrofisici di alta energia, Tesi di Laurea, 2006
- [14] T.K.Gaisser, F.Halzen, T. Stanev, Particle astrophysics with high energy neutrinos, Physics Reports **258**, 1995
- [15] F. Halzen, High energy neutrino astronomy, astro-ph/0402083 v1 (2004)
- [16] H.E.S.S.Collaboration, Nature, **432**, p. 75, (2004)
- [17] H.E.S.S.Collaboration, Astroph. J., **619**, p. L113, (2005)

- [18] K.Mannheim, Astron. & Astroph., **69**, p. 67, (1993)
- [19] L.V.Volkova, Sov. J. Nul. Phys., **31**, p.6, (1980)
- [20] ANTARES Technical Design Report
- [21] W.E.Burcham, M.Jobes, Nuclear and particle physics, Prentice Hall 1995
- [22] D.J.L.Bailey, Genhen v5r1, ANTARES-SOFT, 2002-004
- [23] William R.Leo, Techniques for Nuclear and particle physics experiments, Springer-Verlag 1993
- [24] Adrian Jacob Heijboer, Track reconstruction and point source searches with ANTARES, PHD thesis, 2004
- [25] P.Antonioli et al, A three-dimensional code for muon propagation through the rock: MUSIC, hep-ph/9705408v2, Jul 1997
- [26] Francesco Simeone, Caratterizzazione del rumore di fondo ottico in un apparato sottomarino per la rivelazione di neutrini, Tesi di Laurea, 2002
- [27] P.Lipari, Introduction to neutrino physics, CERN-CLAF School of Physics, Itacuruca, Brazil, May 2001
- [28] T.Chiarusi, Environmental parameters and water characteristics from deep-sea surveys at the NEMO sites, 29th International Conference on Cosmic Rays, Pune (India), 2005
- [29] R.Gandhi, C.Quigg, M.H.Reno, I.Sarcevic, Ultrahigh-energy neutrino interactions, Astroparticle Physics 5, 1996
- [30] T.K.Gaisser, Neutrino astronomy: physics goals, detector parameters, OECD Megascience Forum Workshop, Taormina, Maggio 1997, astro-ph/9707283v1
- [31] F.Lucarelli, Rivelazione di neutrini di alta energia da sorgenti puntiformi extragalattiche con l'apparato Čerenkov sottomarino Nestor, Tesi di Laurea, Università di Roma, La Sapienza, 1998
- [32] <http://antares.in2p3.fr/Collaboration/>
- [33] <http://nemo11.roma1.infn.it/AstroNeut/KM3NeT/KM3NeT.htm>
- [34] Giulia De Bonis, Studio delle tecniche di rivelazione acustica di neutrini astrofisici di alta energia, Tesi di laurea, 2005
- [35] F.Halzen, D.Hooper, High energy neutrino astronomy: the cosmic ray connection, astro-ph/0204527 v2 Jul 2002
- [36] Amanda Collaboration, Recent results for the AMANDA-II neutrino telescope, astro-ph/0505278 v1 May 2005

- [37] A.Groß, astro-ph/00505278v1, “40me rencontre de Moriond” La Thuile, March 2005
- [38] J.A.Freeman, D.M.Skapura; Neural Networks: algorithms, applications and programming techniques; Addison-Wesley, 1991
- [39] C.Christodoulou, M.Georgopoulos; Application of Neural Network in Electromagnetics, 2001
- [40] M.L.Minsky, S.A.Papert; Perceptrons, 1969
- [41] G.Cybenko; Approximation by superpositions of Sigmoidal Functions, Math. Contr., 1989
- [42] Rumelhart, Hinton, Williams; "pdp book", 1986
- [43] E.Granger, M.Rubin, S.Grossberg,P.Lavoie; Classification of incomplete data using the fuzzy ARTMAP neural network, Jan 2000
- [44] Manuale MatLAB, NNET toolbox
- [45] Darrell Whitley, A Genetic Algorithm Tutorial, Statistics and Computing 4, 1994.
- [46] J.Holland, Adaptation In Natural and Artificial Systems, Un. of Michigan Press, 1975
- [47] L.D.Davis, Handbook of Genetic Algorithms. Van Nostrand Reinhold, 1991
- [48] D.Goldberg, Genetic Algorithms in Search, Optimization and Machine Learning. Addison-Wesley, 1989
- [49] A.J. Heijboer ANT-SOFT-2002-002 An algorithm for track reconstruction in ANTARES, ANTARES Internal Note
- [50] Y Becherini, N Cottini, T.Stolarczyk ANT SOFT 2006 003
- [51] De Jong ANT SOFT 2007 001
- [52] ANTARES-SOFT-2004-001
- [53] A.Capone, V.Valente, Possibili trigger in NEMO, Nota interna NEMO, 2001
- [54] V.Valente, Trigger, fondo e ampiezza di segnale, Nota interna NEMO, 2003
- [55] F.James, MINUIT Function Minimization and Error Analysis Reference Manual
- [56] V.Valente, Un prefitt possibile, Nota interna NEMO, 2004
- [57] ANT SOFT 2004 007 Filter
- [58] Carmona, ANT SOFT 2001 006, Prefit
- [59] Carmona, Hernandez - ANT SOFT 2000 011, Ricostruzione