

DAFTAR PUSTAKA

- Abazajiana, et al., 2012, Light Sterile Neutrinos: A White Paper, arXiv:1204.5379v1.
- SAGE Collaboration (Abdurashitov, J.N. et al.), 2009, Measurement of the solar neutrino capture rate with gallium metal.III. Results for the 2002-2007 data taking period, *Physical Review C*, 80(015807).
- Super-Kamiokande Collaboration (Abe, K., et al.), 2011, Solar neutrino results in Super-Kamiokande-III, *Physical Review D*, 83, 052010.
- LSND Collaboration (Aguilar-Arevalo, A.A. et al.), 2001, Evidence for Neutrino Oscillations from observation of $\bar{\nu}_e$ Appearance in a $\bar{\nu}_\mu$ Beam, *Phys. Rev. D*, 64, 112007.
- MiniBooNE Collaboration (Aguilar-Arevalo, A.A. et al.), 2012, Combined Oscillations Analysis of the MiniBooNE Excesses, arXiv:1207.4809.v2.
- SNO Collaboration (Ahmad, Q.R. et al.), 2002, Direct Evidence for Neutrino Flavour Transformation from Neutral-Current Interactions in the SNO, *Physical Review Letters*, 89, 1.
- Super-Kamiokande Collaboration (Ashie, Y. et al.), 2005, Measurement of atmospheric neutrino oscillation parameters by Super-Kamiokande I, *Physical Review D*, 71(112005).
- Asaka, T., Laine, M., dan Shaposhnikov, M., 2015, Lightest sterile neutrino abundance within the ν MSM, arXiv:hep-ph/0612182.
- Athanassopoulos, et al., 1995, Candidate Events in a Search for $\bar{\nu}_\mu \rightarrow \bar{\nu}_e$ Oscillations, *Physical Review Letters*, 75, 2650.
- Barry, J., 2013, New physics Models with Sterile Neutrinos at Different Energy Scales, Thesis: Faculties for the Natural Sciences and Mathematics, University of Heidelberg, Heidelberg.
- Bethe, H. dan Peierls, R., 1934, The "Neutrino", *Nature*, 133, 3362.

- Berezhiani, G., dan Mohapatra, N., 1995, Reconciling Present Neutrino Puzzles: Sterile neutrinos as mirror neutrinos, *Physical Review B*, 52 (1995) 6607.
- Boyarsky, A., et al., 2014, Unidentified Line in X-Ray Spectra of the Andromeda Galaxy and Perseus Galaxy Clusters, *Physical Review Letters*, 113(251301).
- Brahmachari, B., dan Mohapatra, N., 1998, Grand Unification of the Sterile Neutrino, arXiv:hep-ph/9805429v2.
- Bulbul, E., Markevitch, M., Foster, A., Smith, R., Loewenstein, M., dan Randal, S., 2014, Detection of Anidentified Emission Line in Stacked X-ray spectrum of Galaxy Clusters, *Astrophys. J.*, 789, 13.
- Davis, J., et al., 1968, Search for Neutrinos from the Sun, *Physical Review Letters*, 20, 1205.
- Dalcanton, J. J. dan Hogan, C. J, 2000, Halo Cores and Phase-Space Densities : Observational Constraints on Dark Matter Physics and Structure Formation, astro-ph/0004381.
- Ehrlich, R., 2016, 3 Neutrino masses experiments fit a strange 3+3 model, but will KATRIN reveal the models unique 3-part signature? *JHEP*, arXiv:1602.09043.
- Fermi, E., 1934, An attempt of a theory of beta radiation, *Z. Phys.*, 88, 161.
- Ferero, D., et al., 2012, Global Status of neutrino oscillation parameters after Neutrino-2012, arXiv:1205.4018v4 [hep-ph].
- Foot, R., et al., 1991, A model with fundamental improper spacetime symmetries, *Phys. Lett. B*, 272, 67-70.
- Super-Kamiokande Collaboration (Fukuda, Y. et al.), 1998, Evidence for Oscillation of Atmospheric Neutrinos, *Physical Review Letters*, 81, 1562.
- Giunti, C., 2013, Sterile Neutrino Status, arXiv: 1311.1335v1.
- Giunti, C. dan Kim, C.W., 2007, *Fundamental of Neurino Physics and Astrophysics*, Oxford University Press, New York.
- Gonzales-Garcia, M. c., dan Maltoni, 2007, 'Phenomenology with Massive Neutrino", acXiv: hep-ph/0704.1800v2.

- Gonzalez-Garcia, et al., 2014, Update fit to three neutrino mixing: status of leptonic CP violation, *JHEP*, 1411, 052.
- Gribov, V. N. dan Pontecorvo, B. M., 1969, *Physics Letters B*, 28, 493
- Hampel, W., et al., 2010, Reanalysis of the GALLEX solar neutrino flux and source experiment, *arXiv*, 1(1001.2731).
- Jeltema, T., dan Profumo, S., 2015, Discovery of a 3.5 keV line in the Galactic Centre and a critical look at the origin of the line across astronomical targets, *Mon. Not. Roy. Astron. Soc.*, 450, 2143-2152. 1408. 1699.
- Super-Kamokande and Kamiokande collaborations (Kajita, T.), 1999, Atmospheric neutrino results from Super-Kamiokande and Kamiokande, Evidence for ν oscillations. *Nuclear Physics B*, 77, pp. 1-3.
- Kobzarev, I., et al., (1966), On the possibility of experimental observation of mirror particles, *Nucl. Phys.* 3, 837.
- Kopp, J., et al., 2013, Sterile neutrino oscillations: the global picture, *JHEP*, 05, 50. Kusenko, A., Takahashi, F., dan Yanagida, T.T., *Phys. Lett. B* 69, 144.
- Lee, T., dan Yang, C., (1956), Possible Interference Phenomena between Parity Doublets, *Phys. Rev.* 104, 254.
- Maki, S., et al., 1962, Remarks on the unified model of elementary particles, *Prog. Theor. Phys.*, 28, 870.
- Meszéna. Balázs, 2015, Wolfram Demonstrations Project. *Neutrino Oscillations*, diakses pada 18 November 2019.
- Minkowski, P., 1977, $\mu \rightarrow e\gamma$ at a rate of one out of 109 muon decays, *Phys. Lett. B*, 67, 421.
- Mohapatra, R.N., dan Pati, J.C., 1975, "Natural Left-Right Symmetry", *Phys.Rev. D* 11(9), pp. 2558-2561.
- Mona Dentler, et al., 2018, Updated global analysis of neutrino oscillations in the presence of eV-scale sterile neutrinos, *JHEP*, arXiv:1803.10661v1.

Pei-Hong Gu., 2012, Mirror Left-Right Symmetry, *Physics Letter B*, 713 (2012) 485-489.

Pontecorvo, B., 1958, *Soviet Physics JTEP*, 6, 429.

Senjanovic, G., Mohapatra, R.N., 1975, Exact Left-Right Symmetry and Spontaneous Violation of Parity, *Physical Review D*, 12, 5, 1502.

Simoës, J.A.M., and Ponciano, J.A., 2002, " Neutrino Mixing in Left-Right Model", arXiv: hep-ph/0212145v1.

de Vega, H., dan Sanchez, N., 2010, Model independent analysis of dark matter points to a particle mass at the keV scale, *Mon. Not. Roy. Astron. Soc.*, 404, 885.0901.0922.