

Publication List of Sanjib Kumar Agarwalla

<https://inspirehep.net/authors/1039649>

According to Google Scholar: h-index is 33 and i10-index is 72

I. New Arrivals

1. **Constraining the core radius and density jumps inside Earth using atmospheric neutrino oscillations**

Anuj Kumar Upadhyay, Anil Kumar, Sanjib Kumar Agarwalla, Amol Dighe

To be submitted in JHEP

Impact Factor: **5.4**

e-Print: 2405.04986 [hep-ph]

2. **Measurement of atmospheric neutrino oscillation parameters using convolutional neural networks with 9.3 years of data in IceCube DeepCore**

R. Abbasi, M. Ackermann, J. Adams, S. K. Agarwalla *et al.*

Submitted in PRL

Impact Factor: **9.16**

e-Print: 2405.02163 [hep-ex]

3. **A plethora of long-range neutrino interactions probed by DUNE and T2HK**

Sanjib Kumar Agarwalla, Mauricio Bustamante, Masoom Singh, Pragyanprasu Swain

Submitted in JHEP

Impact Factor: **5.4**

e-Print: 2404.02775 [hep-ph]

4. **Constraining non-unitary neutrino mixing using matter effects in atmospheric neutrinos at INO-ICAL**

Sadashiv Sahoo, Sudipta Das, Anil Kumar, Sanjib Kumar Agarwalla

Submitted in JHEP

Impact Factor: **5.4**, Number of Citations: **1**

e-Print: 2309.16942 [hep-ph]

II. Papers Published in International Refereed Journals (65)

1. **Flavor-dependent long-range neutrino interactions in DUNE & T2HK: alone they constrain, together they discover**

Masoom Singh, Mauricio Bustamante, Sanjib Kumar Agarwalla

JHEP 08 (2023) 101

Impact Factor: **5.875**, Number of Citations: **3**

e-Print: 2305.05184 [hep-ph]

2. **Present and future constraints on flavor-dependent long-range interactions of high-energy astrophysical neutrinos**

Sanjib Kumar Agarwalla, Mauricio Bustamante, Sudipta Das, Ashish Narang

JHEP 08 (2023) 113

Impact Factor: **5.875**, Number of Citations: **4**

e-Print: 2305.03675 [hep-ph]

3. **Constraining Lorentz Invariance Violation with Next-Generation Long-Baseline Experiments**

Sanjib Kumar Agarwalla, Sudipta Das, Sadashiv Sahoo, Pragyanprasu Swain

JHEP 07 (2023) 216

Impact Factor: **5.875**, Number of Citations: **4**

e-Print: 2302.12005 [hep-ph]

4. **Enhancing Sensitivity to Leptonic CP Violation using Complementarity among DUNE, T2HK, and T2HKK**

Sanjib Kumar Agarwalla, Sudipta Das, Alessio Giarnetti, Davide Meloni, Masoom Singh

Eur.Phys.J.C 83 (2023) 8, 694

Impact Factor: **4.99**, Number of Citations: **7**

e-Print: 2211.10620 [hep-ph]

5. **Measurement of Atmospheric Neutrino Mixing with Improved IceCube DeepCore Calibration and Data Processing**

R. Abbasi, M. Ackermann, J. Adams, S. K. Agarwalla *et al.*

Phys.Rev.D 108 (2023) 1, 012014

Impact Factor: **5.40**, Number of Citations: **22**

e-Print: 2304.12236 [hep-ex]

6. Probing Dark matter inside Earth using atmospheric neutrino oscillations at INO-ICAL

Anuj Kumar Upadhyay, Anil Kumar, Sanjib Kumar Agarwalla, Amol Dighe

Phys.Rev.D 107 (2023) 11, 115030

Impact Factor: **5.40**, Number of Citations: **7**

e-Print: 2112.14201 [hep-ph]

7. Discriminating between Lorentz violation and non-standard interactions using core-passing atmospheric neutrinos at INO-ICAL

Sadashiv Sahoo, Anil Kumar, Sanjib Kumar Agarwalla, Amol Dighe

Phys.Lett.B 841 (2023) 137949

Impact Factor: **4.95**, Number of Citations: **7**

e-Print: 2205.05134 [hep-ph]

8. Locating the core-mantle boundary using oscillations of atmospheric neutrinos

Anuj Kumar Upadhyay, Anil Kumar, Sanjib Kumar Agarwalla, Amol Dighe

JHEP 04 (2023) 068

Impact Factor: **5.875**, Number of Citations: **6**

e-Print arXiv:2211.08688 [hep-ph]

9. Model-Independent Constraints on Non-Unitary Neutrino Mixing from High-Precision Long-Baseline Experiments

Sanjib Kumar Agarwalla, Sudipta Das, Alessio Giarnetti, Davide Meloni

JHEP 07 (2022) 121

Impact Factor: **5.875**, Number of Citations: **15**

e-Print arXiv:2111.00329 [hep-ph]

10. A close look on 2-3 mixing angle with DUNE in light of current neutrino oscillation data

Sanjib Kumar Agarwalla, Ritam Kundu, Suprabh Prakash, Masoom Singh

JHEP 03 (2022) 206

Impact Factor: **5.875**, Number of Citations: **5**

e-Print arXiv:2111.11748 [hep-ph]

11. Probing Lorentz Invariance Violation with Atmospheric Neutrinos at INO-ICAL

Sadashiv Sahoo, Anil Kumar, Sanjib Kumar Agarwalla

JHEP 03 (2022) 050

Impact Factor: **5.875**, Number of Citations: **12**

e-Print arXiv:2110.13207 [hep-ph]

12. Evolution of Neutrino Mass-Mixing Parameters in Matter with Non-Standard Interactions

Sanjib Kumar Agarwalla, Sudipta Das, Mehedi Masud, Pragyanprasu Swain

JHEP 2111 (2021) 094

Impact Factor: **5.875**, Number of Citations: **13**

e-Print arXiv:2103.13431 [hep-ph]

13. Validating the Earth's Core using Atmospheric Neutrinos with ICAL at INO

Anil Kumar, Sanjib Kumar Agarwalla

JHEP 2108 (2021) 139

Impact Factor: **5.875**, Number of Citations: **15**

e-Print arXiv:2104.11740 [hep-ph]

14. A New Approach to Probe Non-Standard Interactions in Atmospheric Neutrino Experiments

Anil Kumar, Amina Khatun, Sanjib Kumar Agarwalla, Amol Dighe

JHEP 2104 (2021) 159

Impact Factor: **5.875**, Number of Citations: **16**

e-Print arXiv:2101.02607 [hep-ph]

15. From oscillation dip to oscillation valley in atmospheric neutrino experiments

Anil Kumar, Amina Khatun, Sanjib Kumar Agarwalla, Amol Dighe

Eur. Phys. J. C (2021) 81: 190

Impact Factor: **4.99**, Number of Citations: **12**

e-Print arXiv:2006.14529 [hep-ph]

16. Can Lorentz Invariance Violation affect the Sensitivity of Deep Underground Neutrino Experiment?

Sanjib Kumar Agarwalla, Mehedi Masud

Eur. Phys. J. C (2020) 80: 716

Impact Factor: **4.99**, Number of Citations: **15**

e-Print arXiv:1912.13306 [hep-ph]

17. Enhancing Sensitivity to Non-Standard Neutrino Interactions at INO combining muon and hadron information

Amina Khatun, Sabya Sachi Chatterjee, Tarak Thakore, Sanjib Kumar Agarwalla

Eur. Phys. J. C (2020) 80: 533

Impact Factor: **4.99**, Number of Citations: **13**

e-Print arXiv:1907.02027 [hep-ph]

18. Constraints on Non-Standard Neutrino Interactions from Borexino Phase-II

S. K. Agarwalla* *et al.*

JHEP 2002 (2020) 038

Impact Factor: **5.875**, Number of Citations: **39**

e-Print arXiv:1905.03512 [hep-ph]

[Played an important role in data analysis and in writing the draft]*

19. Physics Potential of ESS ν SB in the presence of a Light Sterile Neutrino

Sanjib Kumar Agarwalla, Sabya Sachi Chatterjee, Antonio Palazzo

JHEP 1912 (2019) 174

Impact Factor: **5.875**, Number of Citations: **13**

e-Print arXiv:1909.13746 [hep-ph]

20. Universe's Worth of Electrons to Probe Long-Range Interactions of High-Energy Astrophysical Neutrinos*

Mauricio Bustamante, Sanjib Kumar Agarwalla

Phys.Rev.Lett. 122 (2019) no.6, 061103

Impact Factor: **8.84**, Number of Citations: **47**

e-Print arXiv:1808.02042 [astro-ph.HE]

[Selected as PRL Editors' Suggestion and featured in APS Physics]*

21. **Same-sign Multilepton Signatures of an $SU(2)_R$ Quintuplet at the LHC**

Sanjib Kumar Agarwalla, Kirtiman Ghosh, Nilanjana Kumar, Ayon Patra

JHEP 1901 (2019) 080

Impact Factor: **5.875**, Number of Citations: **9**

e-Print arXiv:1808.02904 [hep-ph]

22. **Active-sterile neutrino oscillations at INO-ICAL over a wide mass-squared range**

Tarak Thakore, Moon Moon Devi, Sanjib Kumar Agarwalla, Amol Dighe

JHEP 1808 (2018) 022

Impact Factor: **5.875**, Number of Citations: **19**

e-Print arXiv:1804.09613 [hep-ph]

23. **Sub-TeV Quintuplet Minimal Dark Matter with Left-Right Symmetry**

Sanjib Kumar Agarwalla, Kirtiman Ghosh, Ayon Patra

JHEP 1805 (2018) 123

Impact Factor: **5.875**, Number of Citations: **8**

e-Print arXiv:1803.01670 [hep-ph]

24. **Signatures of a Light Sterile Neutrino in T2HK**

Sanjib Kumar Agarwalla, Sabya Sachi Chatterjee, Antonio Palazzo

JHEP 1804 (2018) 091

Impact Factor: **5.875**, Number of Citations: **29**

e-Print arXiv:1801.04855 [hep-ph]

25. **Can INO be Sensitive to Flavor-Dependent Long-Range Forces?**

Amina Khatun, Tarak Thakore, Sanjib Kumar Agarwalla

JHEP 1804 (2018) 023

Impact Factor: **5.875**, Number of Citations: **10**

e-Print arXiv:1801.00949 [hep-ph]

26. **Addressing Neutrino Mixing Schemes with DUNE and T2HK**
Sanjib Kumar Agarwalla, Sabya Sachi Chatterjee, S. T. Petcov, A. V. Titov
[Eur. Phys. J. C \(2018\) 78: 286](#)
Impact Factor: **4.99**, Number of Citations: **27**
e-Print arXiv:1711.02107 [hep-ph]
27. **Indirect searches of Galactic diffuse dark matter in INO-MagICAL detector**
Amina Khatun, Ranjan Laha, Sanjib Kumar Agarwalla
[JHEP 1706 \(2017\) 057](#)
Impact Factor: **5.875**, Number of Citations: **11**
e-Print arXiv:1703.10221 [hep-ph]
28. **A hybrid setup for fundamental unknowns in neutrino oscillations using T2HK (ν) and μ -DAR ($\bar{\nu}$)**
Sanjib Kumar Agarwalla, Monojit Ghosh, Sushant K. Raut
[JHEP 1705 \(2017\) 115](#)
Impact Factor: **5.875**, Number of Citations: **16**
e-Print arXiv:1704.06116 [hep-ph]
29. **Octant of θ_{23} in danger with a light sterile neutrino**
Sanjib Kumar Agarwalla, Sabya Sachi Chatterjee, Antonio Palazzo
[Phys.Rev.Lett. 118 \(2017\) no.3, 031804](#)
Impact Factor: **8.84**, Number of Citations: **55**
e-Print arXiv:1605.04299 [hep-ph]
30. **Degeneracy between θ_{23} octant and neutrino non-standard interactions at DUNE**
Sanjib Kumar Agarwalla, Sabya Sachi Chatterjee, Antonio Palazzo
[Phys.Lett. B762 \(2016\) 64-71](#)
Impact Factor: **4.95**, Number of Citations: **69**
e-Print arXiv:1607.01745 [hep-ph]
31. **Physics Reach of DUNE with a Light Sterile Neutrino**
Sanjib Kumar Agarwalla, Sabya Sachi Chatterjee, Antonio Palazzo

JHEP 1609 (2016) 016

Impact Factor: **5.875**, Number of Citations: **66**

e-Print arXiv:1603.03759 [hep-ph]

32. **Discovery Potential of T2K and NO ν A in the Presence of a Light Sterile Neutrino**

Sanjib Kumar Agarwalla, Sabya Sachi Chatterjee, Arnab Dasgupta, Antonio Palazzo

JHEP 1602 (2016) 111

Impact Factor: **5.875**, Number of Citations: **50**

e-Print arXiv:1601.05995 [hep-ph]

33. **Exploring Flavor-Dependent Long-Range Forces in Long-Baseline Neutrino Oscillation Experiments**

Sabya Sachi Chatterjee, Arnab Dasgupta, Sanjib Kumar Agarwalla

JHEP 1512 (2015) 167

Impact Factor: **5.875**, Number of Citations: **16**

e-Print arXiv:1509.03517 [hep-ph]

34. **Running of Neutrino Oscillation Parameters in Matter with Flavor-Diagonal Non-Standard Interactions of the Neutrino**

Sanjib Kumar Agarwalla, Yee Kao, Debashis Saha, Tatsu Takeuchi

JHEP 1511 (2015) 035

Impact Factor: **5.875**, Number of Citations: **12**

e-Print arXiv:1506.08464 [hep-ph]

35. **Physics Potential of the ICAL detector at the India-based Neutrino Observatory (INO)**

A. Kumar, Sanjib Kumar Agarwalla *et al.*

Pramana 88 (2017) no.5, 79

Impact Factor: **1.185**, Number of Citations: **278**

e-Print arXiv: 1505.07380 [physics.ins-det]

36. **Probing Non-Standard Interactions at Daya Bay**

Sanjib Kumar Agarwalla, Partha Bagchi, David V. Forero, Mariam Tortola

JHEP 1507 (2015) 060

Impact Factor: **5.875**, Number of Citations: **38**

e-Print arXiv:1412.1064 [hep-ph]

37. **Probing Neutrino Oscillation Parameters using High Power Superbeam from ESS**

Sanjib Kumar Agarwalla, Sandhya Choubey, Suprabh Prakash

JHEP 1412 (2014) 020

Impact Factor: **5.875**, Number of Citations: **31**

e-Print arXiv:1406.2219 [hep-ph]

38. **Enhancing sensitivity to neutrino parameters at INO combining muon and hadron information**

Moon Moon Devi, Tarak Thakore, Sanjib Kumar Agarwalla, Amol Dighe

JHEP 1410 (2014) 189

Impact Factor: **5.875**, Number of Citations: **84**

e-Print arXiv:1406.3689 [hep-ph]

39. **The mass-hierarchy and CP-violation discovery reach of the LBNO long-baseline neutrino experiment**

S.K. Agarwalla *et al.*

JHEP 1405 (2014) 094

Impact Factor: **5.875**, Number of Citations: **99**

e-Print arXiv:1312.6520 [hep-ph]

40. **Analytical Approximation of the Neutrino Oscillation Matter Effects at large θ_{13}**

Sanjib Kumar Agarwalla, Yee Kao, Tatsu Takeuchi

JHEP 1404 (2014) 047

Impact Factor: **5.875**, Number of Citations: **55**

e-Print arXiv:1302.6773 [hep-ph]

41. **Exploring the three flavor effects with future superbeams using liquid argon detectors**

Sanjib Kumar Agarwalla, Suprabh Prakash, S. Uma Sankar

JHEP 1403 (2014) 087

Impact Factor: **5.875**, Number of Citations: **44**

e-Print arXiv:1304.3251 [hep-ph]

42. **Light sterile neutrino sensitivity at the nuSTORM facility**

D. Adey, S.K. Agarwalla *et al.*

[Phys.Rev. D89 \(2014\) 7, 071301](#)

Impact Factor: **4.506**, Number of Citations: **65**

e-Print arXiv:1402.5250 [hep-ex]

43. **Physics Potential of Long-Baseline Experiments**

Sanjib Kumar Agarwalla

[Adv.High Energy Phys. 2014 \(2014\) 457803](#)

Impact Factor: **1.839**, Number of Citations: **26**

e-Print arXiv:1401.4705 [hep-ph]

44. **Resolving the octant of θ_{23} with T2K and NO ν A**

Sanjib Kumar Agarwalla, Suprabh Prakash, S. Uma Sankar

[JHEP 1307 \(2013\) 131](#)

Impact Factor: **5.875**, Number of Citations: **86**

e-Print arXiv: 1301.2574 [hep-ph]

45. **Potential of optimized NO ν A for large θ_{13} & combined performance with a LArTPC & T2K**

Sanjib Kumar Agarwalla, Suprabh Prakash, Sushant K. Raut, S. Uma Sankar

[JHEP 1212 \(2012\) 075](#)

Impact Factor: **5.875**, Number of Citations: **80**

e-Print arXiv: 1208.3644 [hep-ph]

46. **Constraining Non-Standard Interactions of the Neutrino with Borexino**

Sanjib Kumar Agarwalla, Francesco Lombardi, Tatsu Takeuchi

[JHEP 1212 \(2012\) 079](#)

Impact Factor: **5.875**, Number of Citations: **34**

e-Print arXiv: 1207.3492 [hep-ph]

47. **Probing the Neutrino Mass Hierarchy with Super-Kamiokande**
Sanjib Kumar Agarwalla, Pilar Hernández
[JHEP 1210 \(2012\) 086](#)
Impact Factor: **5.875**, Number of Citations: **15**
e-Print arXiv: 1204.4217 [hep-ph]
48. **An incremental approach to unravel the neutrino mass hierarchy and CP violation with a long-baseline Superbeam for large θ_{13}**
Sanjib Kumar Agarwalla, Tracey Li, André Rubbia
[JHEP 1205 \(2012\) 154](#)
Impact Factor: **5.875**, Number of Citations: **46**
e-Print arXiv: 1109.6526 [hep-ph]
49. **Short-baseline Neutrino Oscillation Waves in Ultra-large Liquid Scintillator Detectors**
Sanjib Kumar Agarwalla, J.M. Conrad, M.H. Shaevitz
[JHEP 1112 \(2011\) 085](#)
Impact Factor: **5.875**, Number of Citations: **24**
e-Print arXiv: 1105.4984 [hep-ph]
50. **Neutrino Probes of the Nature of Light Dark Matter**
Sanjib Kumar Agarwalla, Mattias Blennow, Enrique Fernandez Martinez, Olga Mena
[JCAP 1109 \(2011\) 004](#)
Impact Factor: **5.634**, Number of Citations: **16**
e-Print arXiv: 1105.4077 [hep-ph]
51. **Optimization of the Neutrino Factory, revisited**
Sanjib Kumar Agarwalla, Patrick Huber, Jian Tang, Walter Winter
[JHEP 1101 \(2011\) 120](#)
Impact Factor: **5.875**, Number of Citations: **36**
e-Print arXiv: 1012.1872 [hep-ph]

52. **LSND reloaded**

Sanjib Kumar Agarwalla, Patrick Huber

Phys.Lett. B696 (2011) 359-361

Impact Factor: **4.787**, Number of Citations: **24**

e-Print arXiv: 1007.3228 [hep-ph]

53. **A new approach to anti-neutrino running in long baseline neutrino oscillation experiments**

Sanjib Kumar Agarwalla, Patrick Huber, Jonathan M. Link, Debabrata Mohapatra

JHEP 1104 (2011) 099

Impact Factor: **5.875**, Number of Citations: **15**

e-Print arXiv: 1005.4055 [hep-ph]

54. **Potential measurement of the weak mixing angle with neutrino-electron scattering at low energy**

Sanjib Kumar Agarwalla, Patrick Huber

JHEP 1108 (2011) 059

Impact Factor: **5.875**, Number of Citations: **12**

e-Print arXiv: 1005.1254 [hep-ph]

55. **Exploring neutrino parameters with a beta-beam experiment from FNAL to DUSEL**

Sanjib Kumar Agarwalla, Patrick Huber

Phys.Lett. B693 (2010) 114-121

Impact Factor: **4.787**, Number of Citations: **6**

e-Print arXiv: 0909.2257 [hep-ph]

56. **Constraining sterile neutrinos with a low energy beta-beam**

Sanjib Kumar Agarwalla, Patrick Huber, Jonathan M. Link

JHEP 1001 (2010) 071

Impact Factor: **5.875**, Number of Citations: **26**

e-Print arXiv: 0907.3145 [hep-ph]

57. **Exceptional Sensitivity to Neutrino Parameters with a Two Baseline Beta-Beam Set-up**
Sanjib Kumar Agarwalla, Sandhya Choubey, Amitava Raychaudhuri
[Nucl.Phys. B805 \(2008\) 305-325](#)
Impact Factor: **3.735**, Number of Citations: **28**
e-Print arXiv: 0804.3007 [hep-ph]
58. **Optimizing the greenfield Beta-beam**
Sanjib Kumar Agarwalla, Sandhya Choubey, Amitava Raychaudhuri, Walter Winter
[JHEP 0806 \(2008\) 090](#)
Impact Factor: **5.875**, Number of Citations: **35**
e-Print arXiv: 0802.3621 [hep-ex]
59. **Unraveling neutrino parameters with a magical beta-beam experiment at INO**
Sanjib Kumar Agarwalla, Sandhya Choubey, Amitava Raychaudhuri
[Nucl.Phys. B798 \(2008\) 124-145](#)
Impact Factor: **3.735**, Number of Citations: **41**
e-Print arXiv: 0711.1459v1 [hep-ph]
60. **Neutrino parameters from matter effects in the ν_e survival probability at long baselines**
Sanjib Kumar Agarwalla, Sandhya Choubey, Srubabati Goswami, Amitava Raychaudhuri
[Phys.Rev. D75 \(2007\) 097302](#)
Impact Factor: **4.506**, Number of Citations: **29**
e-Print arXiv: hep-ph/0611233
61. **Neutrino Mixings and Leptonic CP Violation from CKM Matrix and Majorana Phases**
Sanjib Kumar Agarwalla, M.K. Parida, R.N. Mohapatra, G. Rajasekaran
[Phys.Rev. D75 \(2007\) 033007](#)
Impact Factor: **4.506**, Number of Citations: **41**
e-Print arXiv: hep-ph/0611225

62. **Neutrino mass hierarchy and θ_{13} with a magic baseline beta-beam experiment**
Sanjib Kumar Agarwalla, Sandhya Choubey, Amitava Raychaudhuri
[Nucl.Phys. B771 \(2007\) 1-27](#)
Impact Factor: **3.735**, Number of Citations: **68**
e-Print arXiv: hep-ph/0610333
63. **Probing Lepton Number Violating Interactions with Beta-beams**
Sanjib Kumar Agarwalla, Subhendu Rakshit, Amitava Raychaudhuri
[Phys.Lett. B647 \(2007\) 380-388](#)
Impact Factor: **4.787**, Number of Citations: **16**
e-Print arXiv: hep-ph/0609252
64. **Can R-parity violating supersymmetry be seen in long baseline beta-beam experiments?**
Rathin Adhikari, Sanjib Kumar Agarwalla, Amitava Raychaudhuri
[Phys.Lett. B642 \(2006\) 111-118](#)
Impact Factor: **4.787**, Number of Citations: **35**
e-Print arXiv: hep-ph/0608034
65. **Exploration prospects of a long baseline beta beam neutrino experiment with an iron calorimeter detector**
Sanjib Kumar Agarwalla, Amitava Raychaudhuri, Abhijit Samanta
[Phys.Lett. B629 \(2005\) 33-40](#)
Impact Factor: **4.787**, Number of Citations: **49**
e-Print arXiv: hep-ph/0505015

III. Papers Communicated to International Refereed Journals (7)

1. **LHC diphoton excess in a left-right symmetric model with minimal dark matter**

Sanjib Kumar Agarwalla, Kirtiman Ghosh, Ayon Patra

Submitted in Physical Review D (PRD)

Number of Citations: **8**

e-Print arXiv:1607.03878 [hep-ph]

2. **New Power to Measure Supernova ν_e with Large Liquid Scintillator Detectors**

Ranjan Laha, John F. Beacom, Sanjib Kumar Agarwalla

Submitted in Physical Review D (PRD)

Number of Citations: **32**

e-Print arXiv: 1412.8425 [hep-ph]

3. **The LBNO long-baseline oscillation sensitivities with two conventional neutrino beams at different baselines**

S.K. Agarwalla et al.

Submitted in Journal of High Energy Physics (JHEP)

Number of Citations: **16**

e-Print arXiv: 1412.0804 [hep-ph]

4. **Optimised sensitivity to leptonic CP violation from spectral information: the LBNO case at 2300 km baseline**

S.K. Agarwalla et al.

Submitted in Journal of High Energy Physics (JHEP)

Number of Citations: **25**

e-Print arXiv: 1412.0593 [hep-ph]

5. **High-precision measurement of atmospheric mass-squared splitting with T2K and NOvA**

Sanjib Kumar Agarwalla, Suprabh Prakash, Wei Wang

Submitted in Nuclear Physics B (NPB)

Number of Citations: **15**

e-Print arXiv: 1312.1477 [hep-ph]

6. **Exploring the Earth matter effect with atmospheric neutrinos in ice**

Sanjib Kumar Agarwalla, Tracey Li, Olga Mena, Sergio Palomares-Ruiz

Submitted in Journal of High Energy Physics (JHEP)

Number of Citations: **38**

e-Print arXiv: 1212.2238 [hep-ph]

7. **New Physics with MeV Neutrino Sources Brighter than a Thousand Suns**

Sanjib Kumar Agarwalla, R. S. Raghavan

Submitted in Phys. Rev. Lett.

Number of Citations: **11**

e-Print arXiv: 1011.4509 [hep-ph]

IV. Working Group Reports (13)

1. **High-energy and ultra-high-energy neutrinos: A Snowmass white paper**

Markus Ackermann, Mauricio Bustamante, Lu Lu, Nepomuk Otte, Mary Hall Reno, S.K. Agarwalla *et al.*

JHEAp 36 (2022) 55-110

Impact Factor: **4.925**, Number of Citations: **71**

e-Print: 2203.08096 [hep-ph]

Contribution to: Snowmass 2021

2. **nuSTORM - Neutrinos from STOREd Muons: Proposal to the Fermilab PAC**

D. Adey, S.K. Agarwalla *et al.*

e-Print arXiv: 1308.6822 [physics.acc-ph]

FERMILAB-PROPOSAL-1028

3. **R&D Argon Detector at Ash River (RADAR) - Letter of Intent**

P. Adamson, S. Agarwalla *et al.*

e-Print arXiv: 1307.6507 [physics.ins-det]

4. **The EUROnu Project**

T.R. Edgecock *et al.*

Phys.Rev.ST Accel.Beams **16** (2013) 021002

e-Print arXiv: 1305.4067 [physics.acc-ph]

5. **Neutrinos from Stored Muons nuSTORM: Expression of Interest**

D. Adey, S.K. Agarwalla *et al.*

e-Print arXiv: 1305.1419 [physics.acc-ph]

CERN-SPSC-2013-015, SPSC-EOI-009

6. **Expression of Interest for a very long baseline neutrino oscillation experiment (LBNO)**

A. Stahl *et al.*

CERN-SPSC-2012-021, SPSC-EOI-007

7. **EUROnu-WP6 2010 Report**
S.K. Agarwalla *et al.*
e-Print arXiv: 1209.2825 [hep-ph]

8. **nuSTORM - Neutrinos from STOREd Muons: Letter of Intent to the Fermilab Physics Advisory Committee**
P. Kyberd *et al.*
e-Print arXiv: 1206.0294 [hep-ex]

9. **Light Sterile Neutrinos: A White Paper**
K.N. Abazajian *et al.*
e-Print arXiv: 1204.5379 [hep-ph]

10. **International Design Study for the Neutrino Factory, Interim Design Report**
S. Choubey *et al.*
e-Print arXiv: 1112.2853 [hep-ex]
<https://www.ids-nf.org/wiki/FrontPage/Documentation>

11. **Working group report: Neutrino physics**
S. Choubey *et al.*
Prepared for 10th Workshop on High Energy Physics Phenomenology (WHEPP-X), IMSc, Chennai, India, 2-13 Jan 2008.
Published in *Pramana* **72**, 269-275 (2009)

12. **Working group report: Astroparticle and neutrino physics**
R. Gandhi *et al.*
Prepared for 9th Workshop on High Energy Physics Phenomenology (WHEPP9), Bhubaneswar, India, 3-14 Jan 2006.
Published in *Pramana* **67**, 735-742 (2006)

13. **India-based Neutrino Observatory: Project Report. Volume I**
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