

NuSTEC News Summary Report

outline

1. NuSTEC-News statistics
2. NuSTEC-News nuxsec-newsletter
3. Conclusion

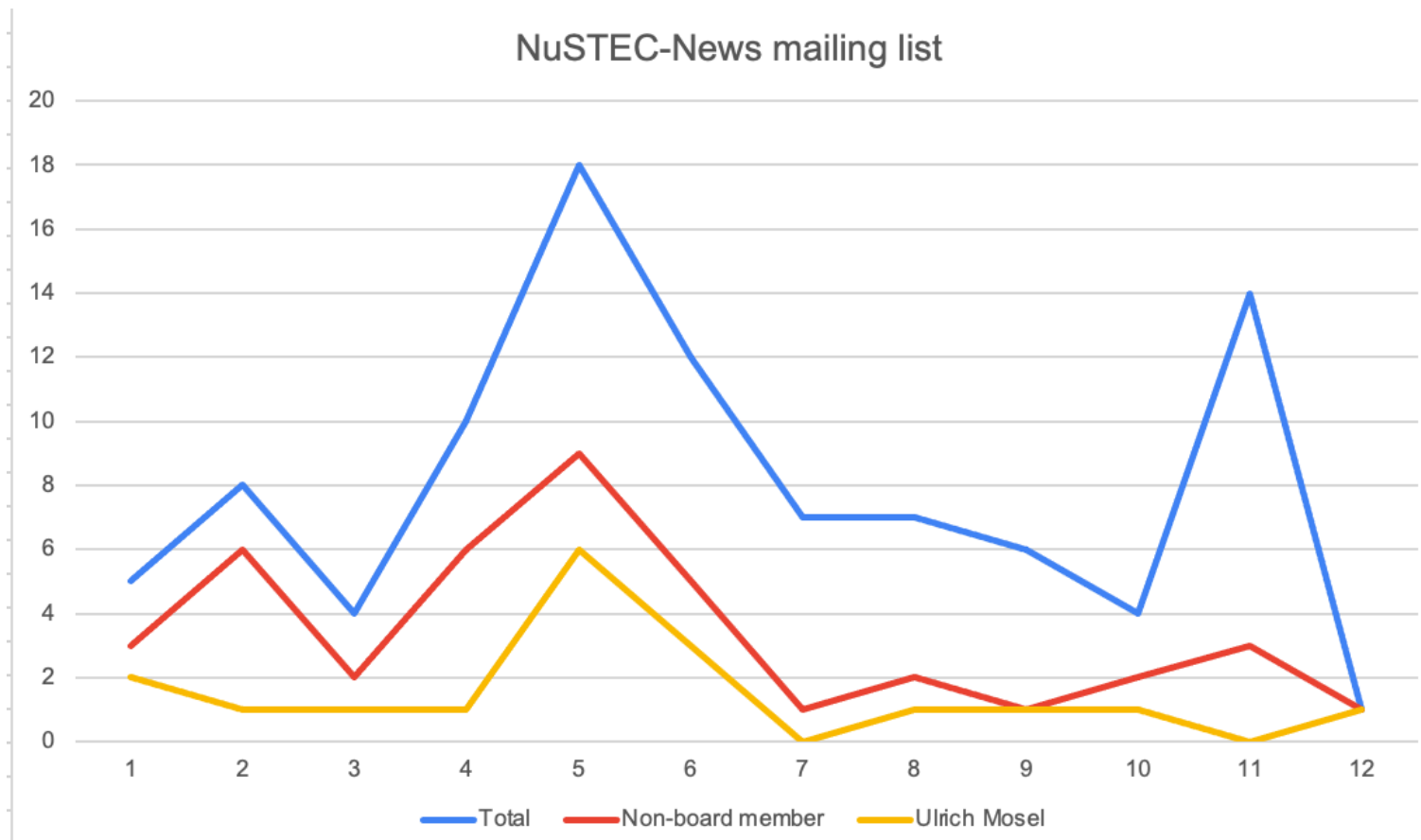
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King's College London

2020 NuSTEC board meeting, Fermilab, Dec. 10, 2020

1. NuSTEC-News statistics

NuSTEC-News

- Mailing list subscribers = 538 (2020/12/09)
- Everyone has “send” permission, but not many people send e-mails
- Not many new subscribers (please encourage young nuxsec people to join!)



1. NuSTEC-News statistics

NuSTEC-News Facebook

<https://www.facebook.com/nuxsec>

- “like” = 961 (MicroBooNE=1200, MINERvA=1201, NOvA=2192)
- Please let me know if you want to join editors (editor can publish, share articles)
- The most popular article is June 23 Neutrino 2020 summary (1362 reaches), but all other popular articles are paper reports (IceCube, ArgoNeuT, NINJA, MINERvA, etc)

Performance for Your Post

1,362 People Reached

86 Reactions, Comments & Shares

| | | |
|------------|------------|--------------|
| 72 Like | 32 On Post | 40 On Shares |
| 2 Love | 0 On Post | 2 On Shares |
| 3 Comments | 3 On Post | 0 On Shares |
| 9 Shares | 8 On Post | 1 On Shares |

270 Post Clicks

| | | |
|-----------------|---------------|------------------|
| 130 Photo Views | 8 Link Clicks | 132 Other Clicks |
|-----------------|---------------|------------------|

NEGATIVE FEEDBACK

0 Hide Post 0 Hide All Posts

0 Report as Spam 0 Unlike Page

Reported stats may be delayed from what appears on posts

All Posts Published

| Published | Post | Type | Targeting | Reach | Engagement | Promote |
|---------------------|--|-------|-----------|-------|------------|------------|
| 11/24/2020 7:39 AM | | Image | Public | 185 | 5 4 | Boost Post |
| 11/10/2020 4:58 PM | IceCube Neutrino Observatory published neutrino cross-section | Image | Public | 1K | 61 46 | Boost Post |
| 11/09/2020 9:11 PM | | Image | Public | 205 | 6 7 | Boost Post |
| 10/06/2020 10:24 PM | #Snowmass2021, "Neutrinos as Probe of Standard Model", 4 | Image | Public | 692 | 80 16 | Boost Post |
| 10/03/2020 4:16 PM | Phys.org featured a recent paper (Lovato, Carlson, Gandolfi, Rocco, | Image | Public | 588 | 31 15 | Boost Post |
| 08/11/2020 12:09 PM | First paper from the NINJA collaboration! https://arxiv.org | Image | Public | 992 | 95 37 | Boost Post |
| 07/20/2020 10:16 PM | New calculations of weak form factors used for coherent elastic | Image | Public | 682 | 81 24 | Boost Post |
| 07/07/2020 4:42 PM | | Image | Public | 242 | 24 5 | Boost Post |
| 06/23/2020 4:45 PM | Congratulations to all speakers in the #nuxsec session of Neutrino 2020! | Image | Public | 1.4K | 270 86 | Boost Post |
| 06/23/2020 4:35 PM | | Image | Public | 238 | 28 7 | Boost Post |
| 06/23/2020 2:06 PM | | Image | Public | 225 | 8 7 | Boost Post |
| 06/23/2020 1:39 PM | | Image | Public | 238 | 24 7 | Boost Post |
| 06/16/2020 2:31 AM | I am slightly disappointed because this list doesn't include any of the | Image | Public | 636 | 41 16 | Boost Post |
| 06/10/2020 8:22 PM | For a Day, Scientists Pause Science to Confront Racism | Image | Public | 216 | 41 7 | Boost Post |

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NuSTEC-News Twitter

- We don't have twitter account, but I use [#nuxsec](#) for nuxsec news
- Twitter has research impact

1. NuSTEC-News nuxsec newsletter

It's 8th year... (started in Feb. 2013)

- Summarize the latest nuxsec paper concisely, so that you don't have to read the paper.

From March 2020, I and Luis select papers and identify speakers from the board members. It's successful, we issued 15 paper reviews in 8 months (the target goal is ~2 reviews per month). But it is often timely and easier to ask corresponding authors to write reviews.

Statistics

- 5 papers are theory, and 3 are written by authors.
- 10 papers are experiment, and 6 are written by authors.
- among 9 reviews written by authors, 4 are written by students.

We can continue to assign board members to write reviews. We can also ask authors to write reviews (in particular, young researchers to improve visibility)

1. NuSTEC-News nuxsec newsletter

| ArXiv number | short description | authors | assignment | date | accepted? | reminder | completed |
|--|---|---|---|----------|-----------|----------|-----------|
| 1910.08658 | binding energy, transverse imbalance | MINERvA(E) | | | | | |
| 1910.09439 | NCQE cross-section | T2K (E) | | | | | |
| 2002.05812 | CCpi0 and nuclear model | MINERvA (E) | Teppei Katori | 20/10/22 | yes | | 20/11/09 |
| 2002.12496 | CC-incl dd xsec, lowE mode | MINERvA (E) | | | | | |
| 2003.13640 | Vector FF parameterization | Hill et al (T) | Hill | 20/04/29 | yes | | 20/04/29 |
| 2004.01956 | first nue-Ar xsec measurement | ArgoNeuT (E) | Natalie | 20/04/13 | yes | | 20/05/04 |
| 2003.00088 | Data based two-body current contribution to neutrino-nucleus cross section | Jan Sobczyk et al. (T) | Raquel | 20/04/10 | yes | | 20/04/19 |
| 2002.08302 | Exclusive final state hadron observables from neutrino-nucleus multi-nucleon knockout | Nieves et al (T) | Dan? | | | | |
| 2004.13989 | WAGASCI first result | WAGASCI (E) | Kenichi Kin | 20/05/02 | yes | | 20/05/20 |
| 2003.07710 | Ab-initio inclusive scattering on C(12) | Lovato et al. (T) | Kirsty Duffy | 20/05/05 | yes | | 20/05/12 |
| 1912.10612 | Electron- versus neutrino-nucleus scattering | Amaro, Barbaro, Caballero et al. | Juan Caballero | 20/06/29 | yes | | 20/07/20 |
| 2006.11944 | Assessing the accuracy of the GENIE event generator with electron-scattering data | Artur M. Ankowski, Alexander Friedland | Sajjad Athar? | | | | |
| 2003.10630 , 2007.03658 , 2007.08529 , 1908.09739 | CEvNES by COHERENT+theory x2 | COHERENT (E), Jachowicz et al (T), Becca et al (T), Menedez et al (T) | Vishvas | 20/07/22 | yes | | 20/08/21 |
| 2006.08603 | SIS review | Morfin and Sajjad Athar (T) | Morfin | 20/06/26 | voluntary | | 20/06/26 |
| 2006.00108 | MicroBooNE CC0pi1p | MicroBooNE (E) | Hen | 20/06/02 | voluntary | | 20/06/21 |
| 2008.03895 | NINJA first result | NINJA (E) | Hiramoto | 20/08/12 | voluntary | | 20/08/14 |
| 2005.12719 | Exhaustive Neural Importance Sampling applied to Monte Carlo event generation | S. Pina-Otey, F. Sanchez et al. | Walter Giele | 20/08/13 | yes (?) | | |
| 2010.02390 | Current Interactions with Protons and no Pions in the Final State with the MicroBooNE Detector | MicroBooNE (E) | Steve Dytman, Andy Furmanski, Libo Jiang, Michael Kirby | 20/11/09 | yes | | 20/11/16 |
| 2009.07228 | Inclusive Electron Scattering And The GENIE Neutrino Event Generator | e4nu (E) | Afroditi Papadopoulou | 20/11/11 | yes | | 20/11/18 |
| 1911.13150 | Nucleon axial structure from lattice QCD | Bali et al. | Andreas? | | | | |
| 2010.04154 | QMC short time approximation | Josh Barrow et al | Josh | 20/10/08 | voluntary | | 20/10/09 |
| 2011.0356 | HE neutrino all flavor cross-section | IceCube (E) | Tianlu Yuan | 20/11/09 | yes | | 20/11/10 |

Conclusion

NuSTEC supports community activities

- Website
- Mailing list
- Social media

nuxsec newsletter

- New organizations to choose papers, and assign reviewers
- Ask authors to advertise their papers

Ideas, contributions, welcome!

Thank you for your attention!