NuSTEC News Summary Report

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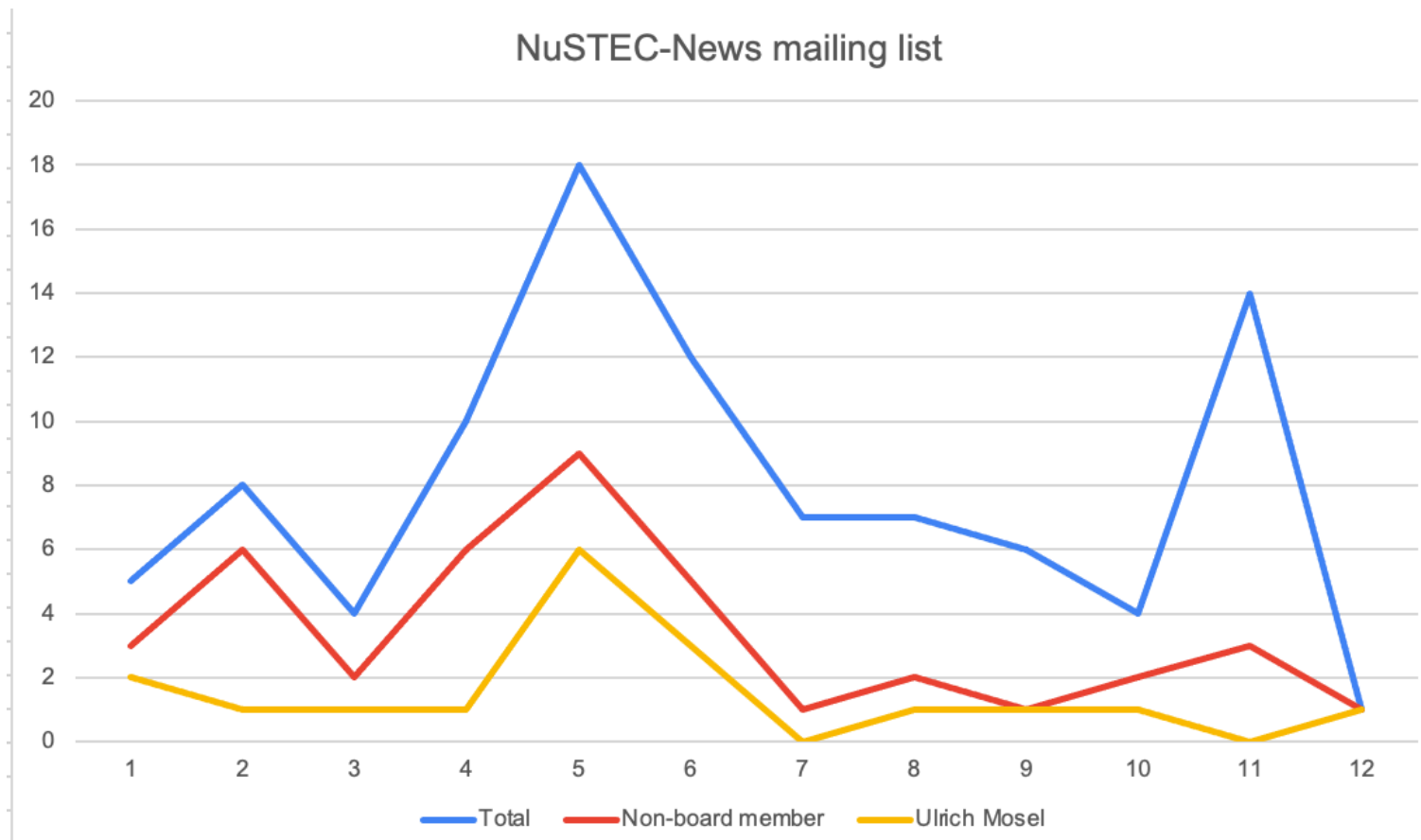2. NuSTEC-News nuxsec-newsletter
3. Conclusion

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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!)

NuSTEC-News mailing list

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)

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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 descxription	authors	assignment	date	accepted?	reminder	completed
1910.08658	binding energy, transverse imbulance	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!