

Authorship and Publication Board

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Status updates on papers

TDR Papers

- **LBL paper / EPJC / docdb-16877** is nearly done with ARC review and close to ready for collaboration final comment 3-day comment period
- **SN Burst paper / EPJC / docdb-16781**. Last I heard was that authors were addressing ARC comments. Updates?
- **BSM / EPJC / docdb-17320** paper is with ARC
- We discussed over email that these should carry the TDR author list which has been extracted into EPJC format. ***Going forward, I think we need to consider more generally when we skim the collaboration database to form an author list.***
- **ProtoDUNE** - Authors have addressed ARC comments. ARC is reviewing responses from authors.

Status updates on papers

- **CVN Paper / PRD / docdb-14125** — Collaboration comment period closed April 13th.
 - Proposed that it will carry full TDR author list plus two exceptional authors, Alex Radovic and Félix Garcia Carballeira:

Alex Radovic performed the initial porting of the NOvA-style CVN to the DUNE software base and modified the architecture to run on the three views of the DUNE LArTPCs. He also performed the first analyses using the CVN to demonstrate that it would be a powerful technique for DUNE, allowing Saúl and I to then develop things further to the point of the performance seen in the TDR. He put in place much of the underlying framework that is still used to run the CVN, even though we have changed the CVN architecture a lot since then.

We would like to propose to the APB that we add Félix Garcia Carballeira (cc'd) as an exceptional author for the DUNE CVN paper. Prof. Carballeira is Saul's (Saul Alonso Monsalve, GS resident at CERN) thesis director. He collaborated with Saul on his work developing the neural network used for neutrino event classification and worked with Saul on definition and supervision of the tests carried out to check the behavior of the neural network. In addition to it being appropriate to acknowledge Prof. Carballeira's contributions to this work, this will also help fulfill Saul's thesis requirements. Please let us know if you have any questions.

- Frank pointed out a possible issue regarding copyright and duplication of figures between CVN and LBL papers and TDR. Will note this when submitting the paper to EPJC.

Status updates on papers

- We considered “**Probing KDAR in the Sun with DUNE**” / ? / **docdb-18336** last time and concluded it should carry full authorship. Have communicated this to the authors. I would like to discuss how to proceed with physics conveners.
- We considered “**PREDICTING COSMIC AND BEAM RADIOACTIVE BACKGROUND FROM MUONS AND NEUTRONS FOR PROTODUNE-DP DETECTOR AND CROSS SECTIONS FOR OTHER SOURCES OF BACKGROUND**” / **JINST** / **docdb-18358** last time and agreed it should proceed as limited authorship. Juergen Reichenbacher has agreed to serve as technical coordinator.

Standardizing collection of comments

- Suggest following format of this spreadsheet: https://docs.google.com/spreadsheets/d/1V1t9hKmNzwKSzFAk5os0kPr5_QFxf87Y85KA8x1udE/edit?usp=sharing which is a simplified version of what is used by NOvA.

A	B	C	D	E	F	G
email	SECTION	NUMBER	STYLE/SUBSTANCE	COMMENT	Accept/Decline	RESPONSE
messier@indiana.edu	author list	123	substance	My name is missing	Accepted	
	general		substance	This is a great paper!	Accepted	
	title		substance	The title is too long	Declined	After discussions with
	text	456	style	neutrino is misspelled	Accepted	
	text	789	substance	This method should be clarified	Accepted	
	figure	1	style	Colors are hard to read	Accepted	
	figure	2	substance	The data / mc differences should be ex	Declined	We discussed this wit
	table	3	substance	Columns should add to 100%	Accepted	

Frank has suggestions for these

- Commenters fill out A-E, authors complete F,G
- Could be provided in multiple formats (google, Excel, ODS). Would ask collaborators to return in .CSV format.

Standard information for contacting collaboration for comments

Dear Collaborators,

The ***[paper/proceedings]*** “***[TITLE]***” DUNE-docdb-***[#####]*** is now open for collaboration comment. The paper is intended to appear in ***[JOURNAL/CONFERENCE]*** with ***[the full DUNE author list / a limited author list / ‘name’ as author]***.

Please send your comments by replying to this message before ***[date]***.

~Or~

Please use the template found here (link) for your comments and attach them in .csv format in a reply to this message before ***[date]***.

Thank you,

Standard information for contacting collaboration for comments

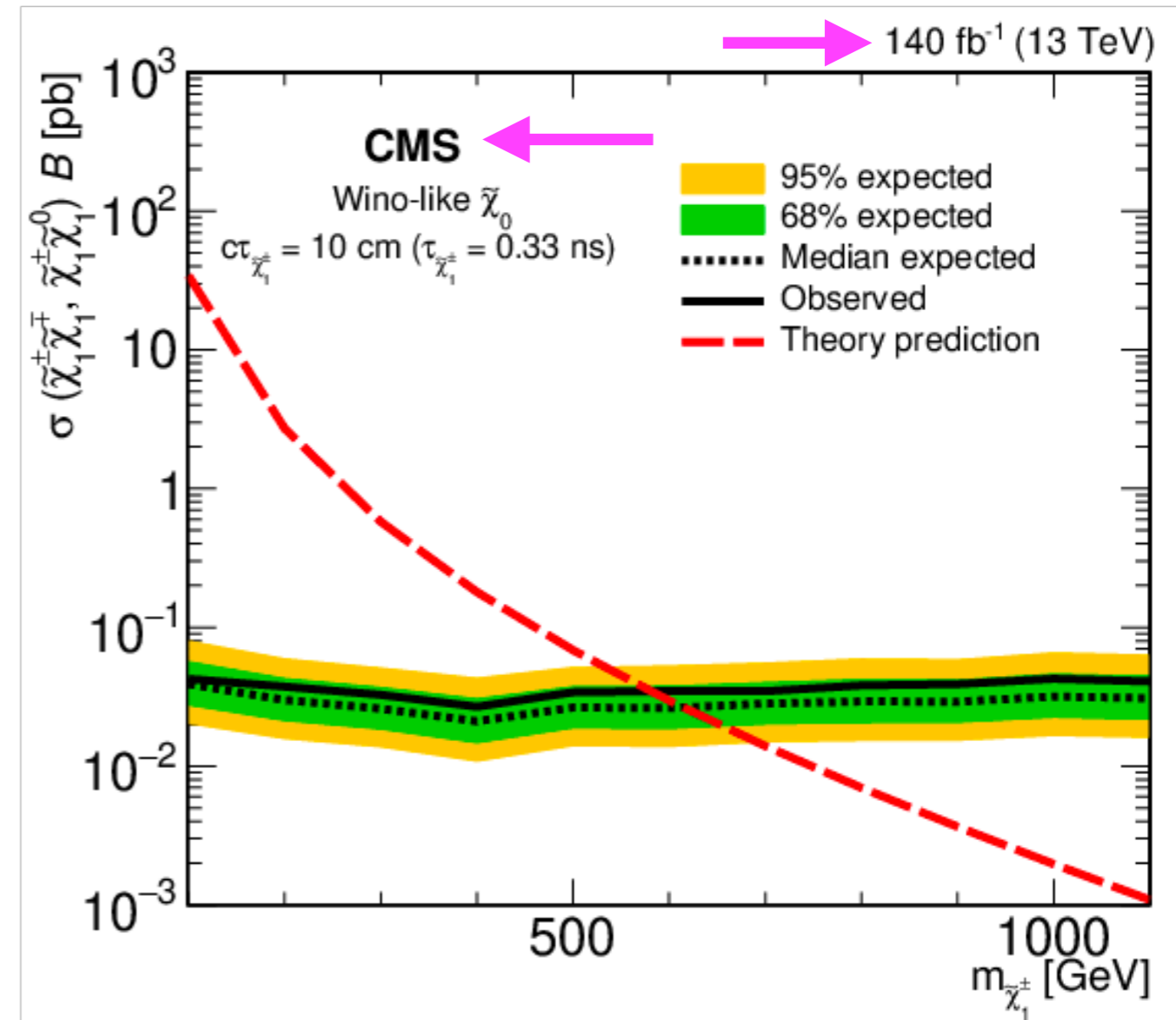
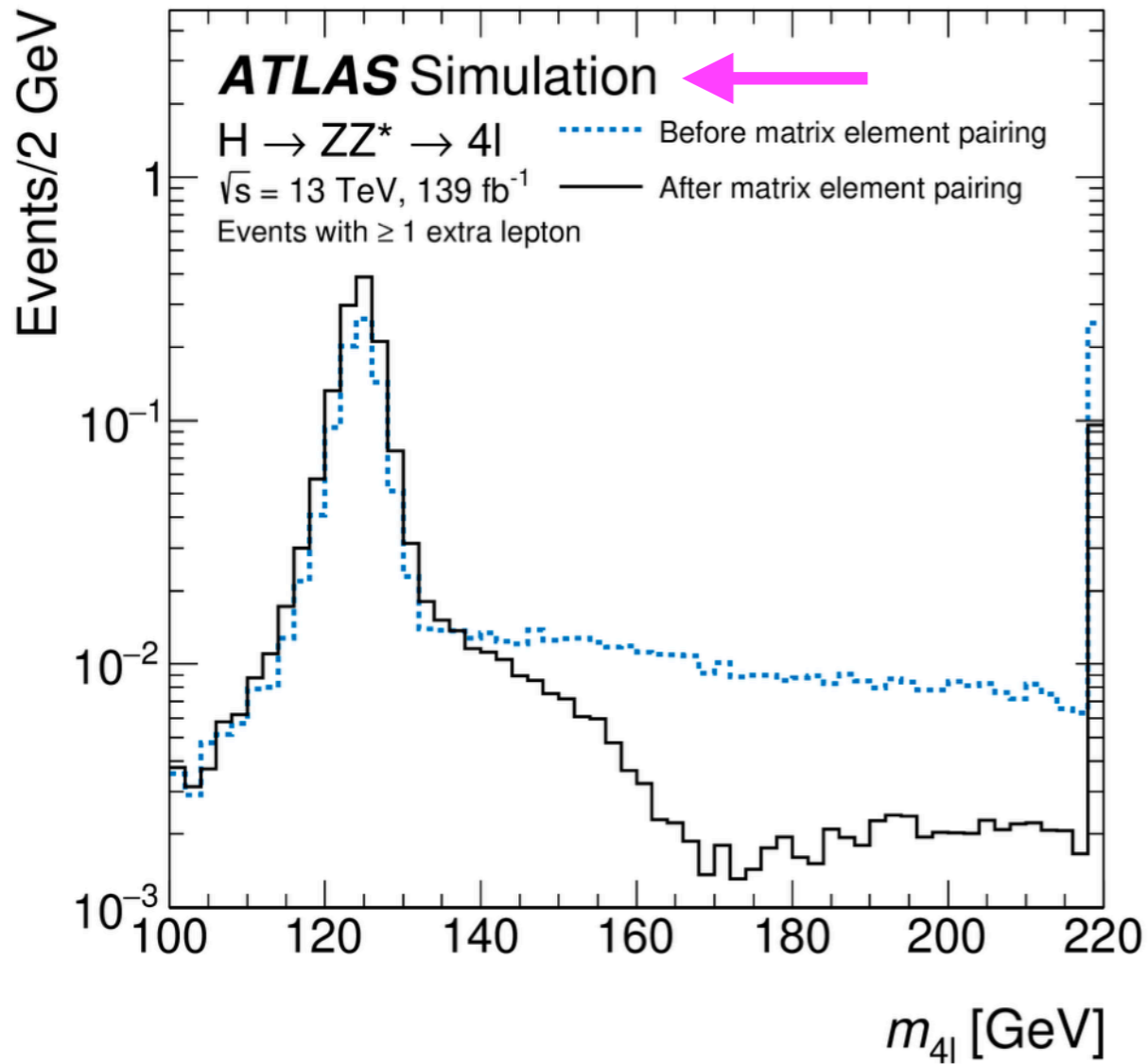
Last time it was suggested creating a listserv for each ARC + authors so we could monitor communication. Specifically following a predictable format "dune-docdb12345@fnal.gov". Discussed, but did not converge on recommendation.

A second option: SLACK channels are very easy to create. Do enough people use / like SLACK for this to be a viable option?

Web page summary of publications

- We have a listserv: DUNE-www-pubs@FNAL.GOV for use on the public facing WWW page for viewers to use to ask questions or give feedback on the papers on the www pages. At the moment, set to go to physics analysis coordinators (Elizabeth and Ryan) and APB chairs (Mark and Frank). We can modify this.

Standard plot labeling and formatting



Frank has more on this in his slides

Outstanding items

- Need to track suggestions for updates/improvements to docdb-1115
- Need a “clearinghouse” page that summarizes what papers are open for collaboration comment
- Publication strategy for post-TDR physics studies