# Seattle Summer Study Schedule

Elizabeth Worcester TGC Meeting May 25, 2022

#### Introduction

- Schedule has undergone lots of revision but there is a nearly final version of the block schedule that will be made public soon
- Frontier and x-frontier parallels in the mornings
- Plenary/semi-plenary in the afternoons
- Schedule is not perfect there are some sessions in parallel that ideally would not be, etc – only so much could be done given room and schedule constraints
  - Small changes may still be possible please complain about the worst problems
- We are responsible for all NF parallels and two plenary sessions
  - Once Indico is populated, we will be responsible for filling in talk schedules, speakers, etc.
  - We need to start thinking about speaker invitations ASAP
  - Parallel sessions will have designated conveners who will take responsibility for that session

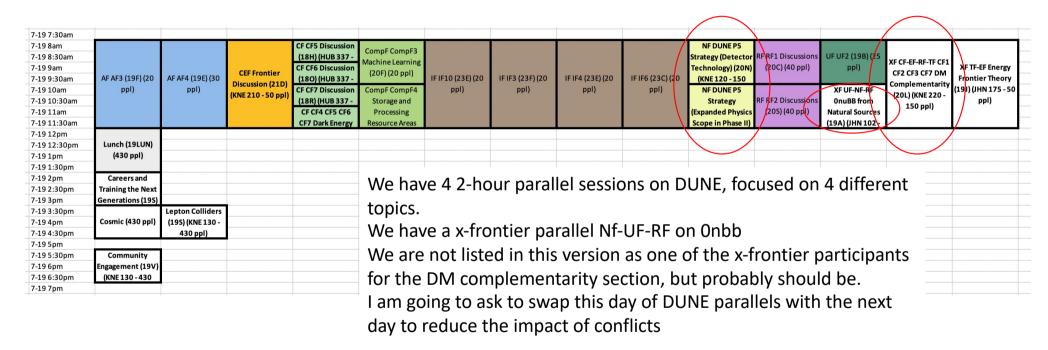
#### General Schedule

- Block schedule that was posted last month has undergone some revisions, largely to build in a little more downtime
- First day and last two days plenary
  - We will have timeslots for brief reports, but we have no organizational responsibilities for these days
- Parallel days
  - Morning parallel sessions: 8-12
  - Lunch: 12-2
  - Plenaries: 2-6:30 (most days)
  - Several evening events (public lecture, dinner, networking events)
  - July 20 plenaries end at 4:30
  - July 24 parallels begin at 10:00

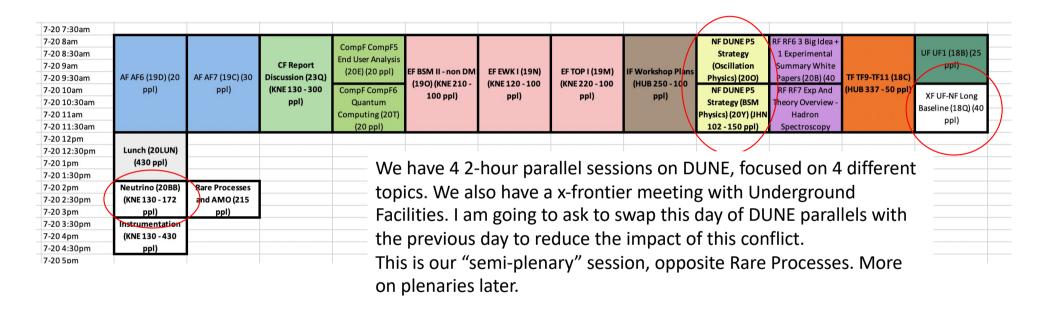
### General Strategies

- Most talks/panels will be invited content, curated by the conveners
  - We want to be inclusive and make sure all ideas are heard
  - We do not want to host a 2<sup>nd</sup> version of Neutrino 2022 limited time for physics content talks
- Early career parallel sessions are the place for contributed content
  - We made a push to contact experiment speakers' committees to make sure they understand this is the place for contributed content and ask them to solicit talks from their early career members. More on this later.
- Not just a neutrino workshop embedded in a big meeting we want to encourage NF'ers to attend sessions from other frontiers and to encourage other frontiers to attend our sessions. This large-scale common meeting is only useful if this happens!

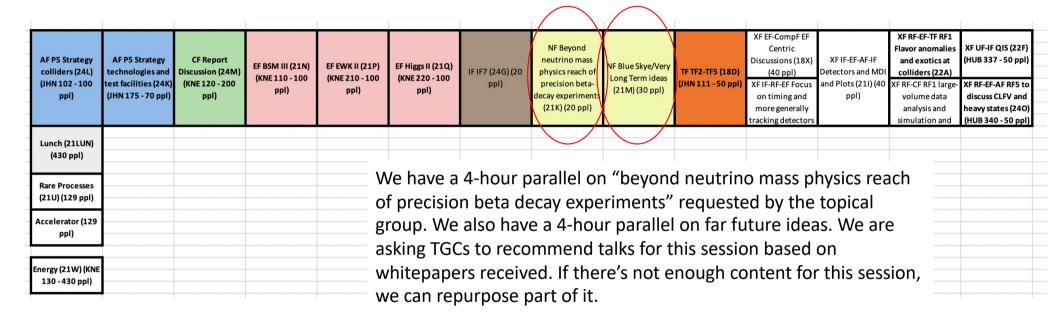
7-18 7:30am													
7-18 8am			CF CF1 Discussion	n CompF CompF1									
7-18 8:30am	AF AF1 (19H) (20 ppl)		(18I) (HUB 337 - 50	Experimental	EF BSM I (18K) (HUB 332 - 100	EF Higgs I (18J) (JHN 102 - 100 ppl)	EF Strong Interactions I (18L) (KNE 220 - 100 ppl)	IF IF1 (23H) (20 ppl)	IF IF2 (23G) (20 ppl)	/			
7-18 9am			CF CF2 Discussion	Algorithm						IF IF5 (23D) (20 ppl)			
7-18 9:30am			(18P) (HUB 337 -	Parallelization							NF All-Frontier		
7-18 10am			CF CF3 Discussion	CompF CompF2							(18N) (KNE 130 -		
7-18 10:30am			(18S) (HUB 337 -	Theoretical	ppl)						300 ppl)		
7-18 11am			CF CF4 Discussion	Calculations and									
7-18 11:30am			(18T) (HUB 337 -	SImulation (20V)									
7-18 12pm	Lunch (18LUN) (430 ppl)												
7-18 12:30pm													
7-18 1pm													
7-18 1:30pm													
7-18 2pm	AI/ML (430 ppl)	Underground		We have	a 4-hour	· introduc	torv front	ier meeti	ng on the	first day	of		
7-18 2:30pm		(18U) (KNE 130 -			We have a 4-hour introductory frontier meeting on the first day of								
7-18 3pm		430 ppl)		parallels	. Onlv a s	mall porti	ion of this	s is intenc	led to be	a status			
7-18 3:30pm	Lattice QCD (430 ppl)	The Next		•	•	•							
7-18 4pm		Accelerators (430		report/intro to meeting. Suggestions welcome for additional									
7-18 4:30pm	PP-7	ppl)			al: a a a a : a		±1a:a ±:a	عامة					
7-18 5pm				content,	aiscussic	ins, etc in	this time	SIOT.					
7-18 5:30pm	DEI Talks and					-							
7-18 6pm	Panel (18Z) (KNE												
7-18 6:30pm	130 - 430 ppl)												
7-18 7pm													
7-18 7:30pm	Reception (18REC) (HUB 211A - 430 ppl)												
7-18 8pm													
7-18 8:30pm													
7-18 9pm													
7-19 6:30am													



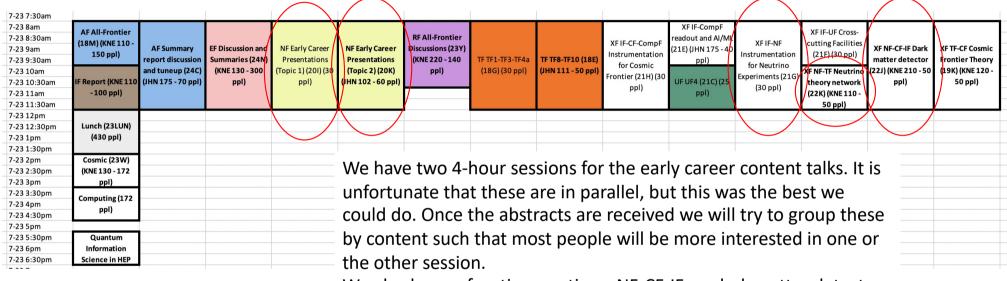
4 DUNE "P5 Strategy" sessions: oscillation physics, BSM physics, detector technology, expanded physics scope. These sessions will not be managed by the DUNE collaboration, but will be planned in coordination with them.



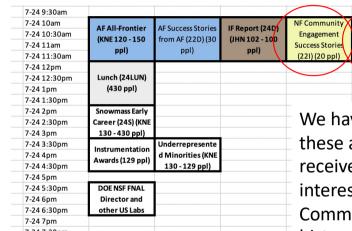
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neutrinos and PBC	AF P5 Strategy beam physics and facilities (24H) (JHN 111 - 50 ppl)	AF P5 Strategy optimizing among funding sources (241) (HUB 250 - 70 ppl)	CompE CompE7	EF BSM IV (23N) (JHN 102 - 100	EF Strong Interactions II (23P) (KNE 220 - 100 ppl)	EF Top II (230) (KNE 210 - 100 ppl)	IF IF8 (24F) (20 ppl)	IF IF9 (24E) (20 ppl)	NF Optimizing Among Funding Agencies (21L) (30 ppl)	RF RF3 Discussions (21B) (40 ppl)	TF TF4b-TF6-TF7	XF AF-EF Accelerator R&D Overseas (22G) (40 ppl)	XF NF-EF Cross- cutting issues (22H) (30 ppl)	XF TF-CompF QIS (212) (HUB 214 - 50 ppl)
									RF RF5 Discussions (21R) (40 ppl)	UF UF5 UF3 (22Q) (25 ppl)	50 ppl)	XF EF-AF combined EF/AF report discussion (21V) (30 ppl)	XFRF EF TPRF7- EF6-EF7 hadrons as production probes;	CompF Industry Session (JHN 175 - 50 ppl)
Lunch (22LUN) (430 ppl)														
Underground (22V) (KNE 130 - 129 ppl)					We have a 2-hour parallel on "optimizing among funding agencies"  – we are envisioning a panel discussion that may be most relevant for those working in non-HEP-funded areas or at the boundaries									
Theory (129 ppl)														
Neutrino (22W) (KNE 130 - 430 ppl)					with HEP. Suggestions for topics to address welcome. We also have a 2-hour x-frontier parallel session with the Energy Frontier.									
							•		enary se	<b>.</b>				



We also have x-frontier meetings: NF-CF-IF on dark matter detector synergies, NF-TF on the neutrino theory network, NF-IF instrumentation for neutrino experiments



NF Early Career

Presentations

Topic 3) (20H)

NF Early Career

Presentations

(Topic 4) (20J)

(JHN 175 - 60 ppl)

TF Discussion and

frontier reports

19P) (KNE 220 -

175 ppl)

We have two 2-hour sessions for the early career content talks. It is unfortunate that these are in parallel, but this was the best we could do. Once the abstracts are received we will try to group these by content such that most people will be more interested in one or the other session.

XF AF-CompF

Cross-cutting

issues (22E) (JHN

(lag 07 - 270

UF UF6 (23B) (25

XF NF-CF Neutri

mass scale wit

beta decay

kinematics (220)

XF AF-RF cross-

cutting issues

(22B) (40 ppl)

XF NF-CF-TF high

energy and

ultrahigh energy

astrophysical

XF RF-IF RF1

Discuss

picosecond

detectors - fast

XF RF-NF RF5 to

discuss CLFV and

neutrinos-mu2e

and facilities (24A)

Community engagement success stories: currently imagining a talk on the Black Hills history and SURF outreach program for part of this — other ideas very welcome We also have x-frontier meetings: NF-CF on neutrino mass scale, NF-CF-TF on high energy and ultra-high energy astrophysical neutrinos, RF-NF on CLFV and neutrinos The amount of parallelism on this day is unfortunate, but hopefully these are mostly orthogonal topics. We will need to choose the early career content carefully for this day to minimize conflicts.

#### Plenaries

- Each frontier is assigned one "full plenary" and one "semi-plenary" where the latter is shared with one other frontier
  - Each of these sessions is 90 minutes
  - The semi-plenary sessions are in separate rooms, so attendees will need to choose one or the other (or possibly hop between)
  - Our semi-plenary is opposite RPF we understand they plan a 45 min talk about DM at accelerators, and then a 45 min roundtable on AMO, EDMs, other small scale precision tests
  - We are strongly encouraged to have at least 20 minutes of "interactive" content in each session (questions, panels, etc)
- Initial ideas for NF plenaries Kate, Patrick, and Elizabeth have been discussing, but have not yet fully converged, input very welcome
  - Full plenary "Big Picture Neutrino Physics" 3 speakers addressing the major physics topics in NF and how they fit in to all of particle physics, with time for questions – similar to NF colloquia except even more high level
  - Semi-plenary: "Progress and Plans" panel discussion with FAQ submitted by community, focused on more practical/strategic matters

### Early Career Content Parallels

- Abstract submission here: <u>https://docs.google.com/forms/d/e/1FAIpQLSeGD-</u> 4h84Z07RAIKN7 q4nHOFmBagaa0ThW7veN 2PwvA E Q/viewform
- Thank you to Jacob for taking the lead on abstract review
  - Volunteers to assist very welcome
- Please spread the word that this is the only opportunity for contributed content at CSS and encourage early career folks to submit abstracts
- We have 12 hours of session allotted for these talks if we receive an overwhelming number of abstracts, we can have some be flash talks

#### Next Steps

- Indico not yet available, but expected soon
- Will assign several TGCs as conveners of most parallel sessions
  - Some sessions are obviously linked to a particular topical group, so we'll just ask you to self-organize which of you is convening which session
  - For more general sessions, we'll be looking for volunteers
- Please start thinking about what talks/panels/etc are needed for parallel sessions associated with your topical group and who you might invite to speak
  - We're not 100% ready to start issuing invitations, but will need to do so very soon as early-bird registration currently ends on June 5