



New Perspectives 2020: July Installment

- Thank you for making this an engaging and interesting conference!
 - 48x12 minute talks
 - Two days
 - 8+ different time zones
 - 1 virtual Pub Quiz

Mon 20/7		Tue 21/7	
08:00	Welcome	09:00	NOVA in 10 minutes
09:00	The CMS muon upgrade in preparation of the HL-LHC		NOVA central value tuning and uncertainties for the hn FSI model in GENIE 3
	Search for pair production of top squarks decaying to a top quark and li		Why I'm excited about working on DAMIC-M in 10 minutes
	Search for a Light Pseudoscalar Higgs Boson with Boosted Topologies		Direct dark matter detection with SuperCDMS detectors in 10 minutes
	Event Generation with GPUs	10:00	SBC's 10 kg Argon Bubble Chambers for Dark Matter and Reactor CEvNS
10:00	Benchmarking New Hardware For Machine Learning In Particle Physics		Nuclear Structure Physics in Coherent Elastic Neutrino-Nucleus Scattering
	Monday Morning Break	10:00	Tuesday Morning Break
	The future of DUNE in 10 minutes.	11:00	Neutrino quantum decoherence at current and future reactor experiments
11:00	Measuring electron drift-velocity in ProtoDUNE-SP using anode-anode c		The future of the Fermilab Accelerator Division in 10 minutes
	The future of ANNIE in 10 minutes		Magnetized Electron Beams
	First Neutron Capture Results In ANNIE		IntelliQuench: real-time prediction of magnet quenches in superconducting magnets.
	SBND in 10 Minutes		
12:00	Solving the Sterile Neutrino Puzzle with ICARUS		

Presentations

- **Prizes:**
 - Amazon vouchers up for grabs for 1st, 2nd, and 3rd place in each of two categories
 - Most accessible talk for non-experts
 - Best plot (Aesthetic, or novel information presentation)
 - Nominated by session chairs
 - Signed certificates!
- We will announce winners next week and get in touch with you.

Congrats to the pub quiz winners!

We had four teams, the winner is “No Flavor Neutrinos”

- Abhilash Yallappa Dombara
- Diego Lopez Gutierrez
- Ed Tyley
- Joshua Isaacson
 - We will contact you to deliver your prizes (amazon vouchers)

New Perspectives 2020 (2.0)

- Overwhelmed with interesting and important abstracts this year
 - 90 Abstracts when we had timetabled for 44 talks...
- **Second to be held on: August 24th and 25th.**
- All abstracts will be invited to present at one installment (but let us know that you want to).
- Registration to the second installment is automatic
- Indico here: <https://indico.fnal.gov/event/44451/>
- Get in touch if you want to present!

Thank you!

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<https://fspa.fnal.gov/>