s		Unique LOI number	Title	Contact	Contact email	NF1	NF2	NF3	NF4	NF5	NF6	NF7	TF11	NF9	NF10	EF	CF	RF	CompF	IF	AF	TF	UF	CEF	Primary topical group
1	AF/SNOWMASS21-AF1_AF5-NF3_NF0_Jaehoon_Yu-209.pdf	AF209	*Concept for a Neutral-Rich Three-Dimensional Sign-Selecting Focusing System*	Jae Yu	jaehoonyu@uta.edu			p										RF6			AF1, AF5				NF03
2	AF/SNOWMASS21-AF2_AF0-NF0_NF9_Jeffrey_Eldred-092.pdf	AF092	Versatile Multi-MW Proton Facility with Synchrotron Upgrade of Fermilab Proton Complex	J. Eldred										p							AF2				NF09
3	AF/SNOWMASS21-AF2_AF0-NF9_NF0-121.pdf	AF121	Progress with the IsoDAR Cyclotron	J. Alonso	JRAlonso@LBL.gov		x	x						p							AF4				NF09
4	AF/SNOWMASS21-AF4_AF0-EF3_EF0-NF6_NF10-081.pdf	AF081	Letter of Interest: Tau-neutrino Production at a multi-TeV Lepton Collider	G. Dallaville				x			d			p	x	EF3					AF4				NF09
5	AF/SNOWMASS21-AF4_AF3-EF0_EF0-NF0_NF0-RF0_RF0_seeman@slac.stanford.edu-025.pdf	AF025	The Need for Research into Early Conceptual Integration and Optimization, and Maturity Evaluation of Future Accelerators	J. Seeman	seeman@slac.stanford.edu									p		x		x			AF4, AF3				NF09
6	AF/SNOWMASS21-AF5_AF0-NF2_NF0-RF6_RF0_Vandewater-215.pdf	AF215	LANSCE-PSR Short-Pulse Upgrade for Improved Dark Matter and Sterile Neutrino Searches	R. VanDeWater	dwater@lanl.gov		p							x			CF1	RF6			AF5				NF02
7	CF/SNOWMASS21-CF1_CF0-NF10_NF4-IF3_IF0_Ethan_Brown-034.pdf	CF034	Paleo Detectors	E. Brown	*browne7@rpi.edu*				x						p		CF1			IF3					NF10
8	CF/SNOWMASS21-CF1_CF0-NF10_NF4-IF5_IF4_Vahsen-189.pdf	CF189	CYGNUS: A nuclear recoil observatory with directional sensitivity	S. Vahsen	sevahsen@hawaii.edu				x			x			p		CF1			IF4, IF5					NF10
9	CF/SNOWMASS21-CF1_CF0-NF10_NF6-IF8_IF6_Matthew_Szydagis-012.pdf	CF012	Metastable Water: Breakthrough Technology for Dark Matter & Neutrinos	M. Szydagis, C. Levy	mszydagis@albany.edu, clevy@albany.edu						d	x			p		CF1			IF6, IF8					NF10
10	CF/SNOWMASS21-CF1_CF0-NF3_NF0-TF8_TF9_Joshua_Berger-148.pdf	CF148	*Multi-scattering Dark Matter at Neutrino Experiments*	J. Berger	Joshua.Berger@colostate.edu			p									CF1					TF8, TF9			NF03
11	CF/SNOWMASS21-CF1_CF0-NF3_NF0-TF8_TF9_Yun-Tse_Tsai-261.pdf	CF261	*Search for Boosted Dark Matter in DUNE-like experiments*	Y.-T. Tsai	yuntse@slac.stanford.edu			p									CF1					TF8, TF9			NF03
12	CF/SNOWMASS21-CF1_CF0-NF3_NF2-IF1_IF2_Hubbard-203.pdf	CF203	Dark Matter Searches with the Micro-X X-ray Sounding Rocket	A. Hubbard, E. Figueroa-Feliciano	*enectali@northwestern.edu, hubbard8@llnl.gov*		p	d->NF02									CF1			IF1, IF2					NF02
13	CF/SNOWMASS21-CF1_CF0-NF5_NF0-RF4_RF0-AF5_AF0-IF9_IF0_Shawn_Westerdale-052.pdf	CF052	*Neutron yield in (α, n)-reactions in rare-event searches*	S. Westerdale	shawest@princeton.edu					p							CF1	RF4		IF9	AF5				NF05
14	CF/SNOWMASS21-CF1_CF2-NF10_NF0-IF2_IF3_Kurinsky-101.pdf	CF101	Cryogenic Carbon Detectors for Dark Matter Searches	N. Kurinsky	kurinsky@fnal.gov										p		CF1, CF2			IF2, IF3, IF6, IF9					NF10
15	CF/SNOWMASS21-CF1_CF2-NF3_NF10-IF1_IF0-UF3_UF2_SuperCDMS-077.pdf	CF077	A Strategy for Low-Mass Dark Matter Searches with Cryogenic Detectors in the SuperCDMS SNOLAB Facility	S. Golwala	golwala@caltech.edu			x							p		CF1, CF2			IF1, IF2			UF2, UF3		NF10
16	CF/SNOWMASS21-CF1_CF2-NF5_NF4-IF8_IF0-CompF0_CompF0-UF2_UF3_Matthew_Szydagis-	CF236	The Exploitation of Xe Large Scale Detector Technology for a Range of Future Rare Event Physics Searches	R. Gaitskell, K. Palladino	gaitskell@brown.edu, kimberly.palladino@physics.ox.ac.uk				x	p							CF1, CF2		x	x			x		NF05
17	CF/SNOWMASS21-CF1_CF3-NF2_NF3-TF8_TF9_Bibhushan_Shakya-267.pdf	CF267	Indirect Detection Aspects of Hidden Sector Dark	B. Shakya	bibhushan.shakya@cern.ch		x	x					p				CF1, CF3					TF8, TF9, TF11			TF11
18	CF/SNOWMASS21-CF1_CF7-NF5_NF3_PandaX-073.pdf	CF073	The PandaX Experiment	J. Liu	jianglai.liu@sjtu.edu.cn			x	x	p							CF1, CF7								NF05
19	CF/SNOWMASS21-CF5_CF3-NF2_NF0-TF9_TF11_Neelima_Sehgal-016.pdf	CF016	*CMB-HD: An Ultra-Deep, High-Resolution Millimeter-Wave Survey Over Half the Sky*	N. Sehgal	neelima.sehgal@stonybrook.edu		p										CF1-CF7								NF02
20	CF/SNOWMASS21-CF7_CF0-EF6_EF7-NF5_NF6-AF4_AF0_LAA-074.pdf	CF074	*Synergy of astro-particle physics and collider physics*	L. Anchordoqui	luis.anchordoqui@gmail.com			p	x		x					EF6, EF7	CF7				AF4				CF/EF (No NF primary)
21	CF/SNOWMASS21-CF7_CF0-EF6_EF7-NF5_NF6_Jorge_Soriano-058.pdf	CF058	*Testing high-density QCD with ultra-high-energy cosmic ray air showers*	J. Soriano	jfernandezsoriano@gradcenter.cuny.edu				x							EF6, EF7	CF7								CF primary (No NF primary)
22	CF/SNOWMASS21-CF7_CF0-NF10_NF4-IF10_IF4-139.pdf	CF139	*The Radio Neutrino Observatory in Greenland (RNO-G)*	S. Wissel	wissel@psu.edu				p		x				x		CF7			IF4, IF10					
23	CF/SNOWMASS21-CF7_CF0-NF10_NF4-IF10_IF4_Wissel-088.pdf	CF088	*The Beamforming Elevated Array for COsmic Neutrinos (BEACON)*	S. Wissel	wissel@psu.edu				x						p		CF7			IF4, IF10					NF10
24	CF/SNOWMASS21-CF7_CF0-NF10_NF4_S._Barwick-013.pdf	CF013	*ARIANNA-200: High Energy Neutrino Telescope*	S. Barwick	sbarwick@uci.edu				p						x		CF7								
25	CF/SNOWMASS21-CF7_CF0-NF4_NF0-IF10_IF0-118.pdf	CF118	*Radio Detection of Cosmic Rays*	F. Schroeder	fgs@udel.edu				p								CF7			IF10					
26	CF/SNOWMASS21-CF7_CF0-NF4_NF0-IF10_IF0_Vieregg-222.pdf	CF222	*The Payload for Ultrahigh Energy Observations (PUEO)*	A. Vieregg	avieregg@kicp.uchicago.edu				p								CF7			IF10					
27	CF/SNOWMASS21-CF7_CF0-NF4_NF10-TF11_TF0_Tonia_Venters-156.pdf	CF156	*Target of Opportunity Observations with Next-Generation High-energy Neutrino Observatories*	T. Venters	tonia.m.venters@nasa.gov				p				x		x		CF7			IF10					
28	CF/SNOWMASS21-CF7_CF1-NF4_NF0-216.pdf	CF216	*Observing the High-Energy Sun*	J. Lazar, C. Arguelles	carguelles@fas.harvard.edu, jeffrey.lazar@icecube.wisc.edu				p								CF1, CF7								NF04
29	CF/SNOWMASS21-CF7_CF1-NF4_NF3-TF11_TF0_Mauricio_Bustamante-048.pdf	CF048	*Cosmic Neutrino Probes of Fundamental Physics*	M. Bustamante	mbustamante@nbi.ku.dk			x	p	x			x				CF1, CF7								
30	CF/SNOWMASS21-CF7_CF1-NF7_NF10-IF8_IF0_Shutt-224.pdf	CF224	*A next-generation LAr TPC-based MeV Gamma ray instrument*	T. Schutt	tshutt@slac.stanford.edu							x			p		CF1, CF7			IF8					NF10
31	CF/SNOWMASS21-CF7_CF3-NF3_NF2-TF9_TF0_Joel_Meyers-147.pdf	CF147	*Insights for Fundamental Physics and Cosmology with Light Relics*	J. Meyers	jrmeyers@smu.edu		p	x		x							CF1, CF2, CF3, CF5, CF6, CF7					TF9			NF02
32	CF/SNOWMASS21-CF7_CF3-NF4_NF0_Jaime_Alvarez-Muniz-140.pdf	CF140	*Fundamental Physics with Ultra-High-Energy Photons and Neutrinos at the Pierre Auger Observatory*	J. Alvarez-Muniz	jaime.alvarez@usc.es				p								CF3, CF7								
33	CF/SNOWMASS21-CF7_CF6-EF6_EF0-NF4_NF10-IF10_IF0_Joerg_Hoerandel-117.pdf	CF117	*A next-generation cosmic-ray detector to study the physics and properties of the highest-energy particles in Nature*	J. Horandel	jorg.horandel@ru.nl				x						p	EF6	CF1, CF3, CF6, CF7			IF10					NF10
34	CF/SNOWMASS21-CF7_CF6-NF4_NF10_Ignacio_Taboada-092.pdf	CF092	*Opportunities for multi-messenger observations with neutrinos and tests of fundamental physics over the next decade*	M. Santander, I. Taboada	jmsantander@ua.edu, itaboada@gatech.edu				p	x					x		CF6, CF7								
35	CF/SNOWMASS21-CF7_CF6-NF4_NF10_Nepomuk_Otte-202.pdf	CF202	*Trinity: A large Field-of-View Air-Shower Imaging Instrument to explore the UHE-Neutrino Sky down to PeV Energies*	N. Otte	otte@gatech.edu			x	p		x				x		CF6, CF7								
36	CommF/SNOWMASS21-CommF2_CommF0-NF5_NF10_Small_Experiment_Workforce_Developm	CommF48	*Training a Diverse HEP Workforce in Small Neutrino Experiments*	H.P. Mumm	hans.mumm@nist.gov	x	x	x	x	x	x	x	x	x	x									CEF02	All
37	CompF/SNOWMASS21-CompF1-NF10-IF8-002.pdf	CompF002	Wire-Cell Toolkit	B. Viren											p				CompF1	IF8					NF10
38	CompF/SNOWMASS21-CompF1_CompF4-NF0_NF0-056.pdf	CompF056	HEP reconstruction at HPC centers:	G. Cerati, J. Kowalkowski	cerati@fnal.gov, jpk@fnal.gov										x				CompF1, CompF4						CompF primary
39	CompF/SNOWMASS21-CompF2_CompF0-NF10_NF0_Chroma-045.pdf	CompF045	Chroma Photon Ray Tracer for Large-Scale Detectors	B. Land, J.Klein	bland100@sas.upenn.edu, jnk@hep.upenn.edu										p				CompF2						NF10
40	CompF/SNOWMASS21-CompF2_CompF0-NF6_NF0-TF11_TF0-132.pdf	CompF132	The GENIE neutrino event generator	C. Andreopoulos	constantinos.andreopoulos@cern.ch						p		x						CompF2						NF06
41	CompF/SNOWMASS21-CompF2_CompF0-NF6_NF0-TF11_TF0_Steven_Gardiner-131.pdf	CompF131	Neutrino Event Generators	S. Gardiner	gardiner@fnal.gov						p		x						CompF2						NF06
42	CompF/SNOWMASS21-CompF2_CompF0-NF6_NF0-TF11_TF5-039.pdf	CompF039	Lattice Calculation of Neutrino-Nucleon Cross Section	K.F. Liu	liu@g.uky.edu						x		p						CompF2			TF5			TF11
43	CompF/SNOWMASS21-CompF2_CompF0-NF6_NF0-TF11_TF5_Kehlei_Liu-040.pdf	CompF040	Lattice Calculation of Neutrino-Nucleon Cross Section	K.F. Liu	liu@g.uky.edu						x		p						CompF2			TF5			TF11
44	CompF/SNOWMASS21-CompF2_CompF1-NF1_NF5-CF1_CF2-IF8_IF2_Monzani-085.pdf	CompF085	*Fast Simulations for Noble Liquid Experiments*	K. Monzani, Q. Riffard	monzani@stanford.edu, qriffard@lbl.gov	x				x					p		CF1, CF2		CompF1, CompF2	IF2, IF8					NF10
45	CompF/SNOWMASS21-CompF2_CompF5-NF10_NF0_OrebiGann-097.pdf	CompF097	*The RAT(-PAC) simulation and analysis code base*	G. Orebi Gann	gorebigann@lbl.gov										p				CompF2, CompF5						NF10
46	CompF/SNOWMASS21-CompF2_CompF6-EF5_EF6-NF6_NF8-RF1_RF7-TF5_TF11_Kronfeld-017	CompF017	Numerical Lattice Gauge Theory	S. Kronfeld	ask@fnal.gov						x					x	x		CompF2, CompF6			x			TF11
47	CompF/SNOWMASS21-CompF3_CompF0-NF0_NF0-112.pdf	CompF112	Machine Learning Techniques and Software for Neutrino Physics	K. Terao	kterao@slac.stanford.edu										p				CompF3						NF10
48	CompF/SNOWMASS21-CompF3_CompF2-EF0_EF0-NF1_NF6_Kagan-129.pdf	CompF129	Differentiable Simulators for HEP	M. Kagan	makagan@slac.stanford.edu)	x					x					x			CompF2, CompF3			x			CompF
49	CompF/SNOWMASS21-CompF3_CompF2-NF1_NF5-CF1_CF2-IF8_IF3_Monzani-084.pdf	CompF084	The Future of Machine Learning in Rare Event Searches	S. Kravitz	swkravitz@lbl.gov	x		d		p					x		CF1, CF2		CompF2, CompF3	IF3, IF8					NF05
50	CompF/SNOWMASS21-CompF4_CompF0-EF0_EF0-NF0_NF0-CF0_CF0_KaushikDe-113.pdf	CompF113	Next Generation Workflow Management Software for Globally Distributed Data Sciences at Exabyte Scale	K. De	kaushik@uta.edu											x	x		CompF4						CompF
51	CompF/SNOWMASS21-CompF4_CompF6_INFN-030.pdf	CompF030	INFN Computing interests for Particle and Astroparticle Physics	T. Bocali															p						CompF
52	CompF/SNOWMASS21-CompF6_CompF0-NF6_NF0_Andrea_Delgado-095.pdf	CompF095	Quantum Computing Applications to Reactor	A. Delgado	delgadoa@ornl.gov						x			p	x				CompF6						NF09
53	CompF/SNOWMASS21-CompF6_CompF2-NF10_NF0-022.pdf	CompF022	IceCube and IceCube-Gen: Quantum Computing Opportunities	C. Arguelles	carguelles@fas.harvard.edu										p				CompF2, CompF6						NF10
54	CompF/SNOWMASS21-CompF7_CompF0-NF6_NF0_Rob_Fine_Ben_Messerly-087.pdf	CompF087	Data Preservation at Minerva	B. Messerly, R. Fine	finer@fnal.gov, mess@umn.edu						x				p				CompF7						NF10

s		Unique LOI number	Title	Contact	Contact email	NF1	NF2	NF3	NF4	NF5	NF6	NF7	TF11	NF9	NF10	EF	CF	RF	CompF	IF	AF	TF	UF	CEF	Primary topical group
55	EF/SNOWMASS21-EF0-NF0-RF0-TF0-IF0-CompF0-017.pdf	EF017	A selection of benchmark studies at FCC-ee	A. Blondel, P. Janot, M. Klute	Alain.Blondel@cern.ch, Patrick.Janot@cern.ch, klute@mit.edu	x	x	x					x	x		x		x	x	x	x	x			EF
56	EF/SNOWMASS21-EF0_EF0-NF0_NF0-RF0_RF0-CF0_CF0-TF0_TF0-AF0_AF0-IF0_IF0-CompF0	EF254	Update of the Japanese Strategy for Particle Physics	T. Mori	mori@icepp.s.u-tokyo.ac.jp	p									x	x	x	x	x	x	x	x	x		NF01
57	EF/SNOWMASS21-EF7_EF0-NF2_NF3-RF4_RF0_Brian_Batell-114.pdf	EF114	BSM Physics at the Electron Ion Collider: Searching for Heavy Neutral Leptons	B. Batell	batell@pitt.edu		x	p		x						EF7		RF4							NF03
58	EF/SNOWMASS21-EF9_EF0-NF3_NF0-RF6_RF0_Matthew_Citron-072.pdf	EF072	Sensitivity reach of scintillation-based detectors for millicharged particles	M. Citron	mcitron@ucsb.edu			p		x			x		x	EF9		RF6							NF03
59	EF/SNOWMASS21-EF9_EF0-NF3_NF5-TF11_TF0_Manimala_Mitra-099.pdf	EF099	Scrutinising Left Right Symmetric Extensions at LHC and Beyond	R. Ruis, M. Mitra	manimala@iopb.res.in, richard.ruiz@uclouvain.be			d -> TF11		x			p			EF9									TF11
60	EF/SNOWMASS21-EF9_EF10-NF3_NF0-RF6_RF0-AF5_AF0-IF3_IF7_MATHUSLA_(David_Curtin)	EF184	Recent Progress and Next Steps for the MATHUSLA LLP Detector	D. Curtin	dcurtin@physics.utoronto.ca			x								EF9, EF10		RF6		IF3, IF7	AF5				EF
61	EF/SNOWMASS21-EF9_EF6-NF3_NF6-RF6_RF0-CF7_CF0-AF5_AF0_FASER2-038.pdf	EF038	FASER 2: Forward Search Experiment at the HL LHC					x			x			x		EF6, EF9	CF7	RF6			AF5				EF
62	EF/SNOWMASS21-EF9_EF6_EF10_EF5-NF6_NF3_NF10-RF6_RF0-CF7_CF0-AF5_AF0-UF1_UF	EF193	Forward Physics Facility	J. Feng	jlf@uci.edu			x			x				x	EF6, EF9, EF10	CF7	RF6			AF5		UF1, UF2		EF
63	IF/SNOWMASS21-IF1_IF0-NF10_NF0-CF1_CF2_Golwala-080.pdf	IF080	Phonon-Mediated KID-Based Detectors for Low-Mass Dark Matter Detection and Coherent Elastic Neutrino-Nucleus Scattering	S. Golwala	golwala@caltech.edu										p		CF1, CF2			IF1					NF10
64	IF/SNOWMASS21-IF2_IF0-NF10_NF0-023.pdf	IF023	SPECTRAL PHOTON SORTING WITH THE DICHROICON	J. Klein, T. Kaptanoglu	jrk@hep.upenn.edu, tannebk@berkeley.edu					x					p					IF2					NF10
65	IF/SNOWMASS21-IF2_IF0-NF10_NF0-CF1_CF0_Miguel_Sofo_Haro-079.pdf	IF079	Non-destructive readout in CMOS technology	M. Sofo Haru	Miguelsofoharo@gmail.com										p		CF1			IF2					NF10
66	IF/SNOWMASS21-IF2_IF10-NF10_NF0-UF1_UF3-144.pdf	IF144	IceCube-Gen2: the next generation wide band neutrino observatory	A. Karle, M. Kowalski	karle@icecube.wisc.edu, marek.kowalski@desy.de	x			p						x		CF7			IF2, IF10			UF1, UF3		
67	IF/SNOWMASS21-IF2_IF8-NF10_NF0_Gramellini-137.pdf	IF137	Multi-modal Pixels for Noble Element Time Projection Chambers	E. Gramellini	elenag@fnal.gov					x					p					IF2, IF8					NF10
68	IF/SNOWMASS21-IF2_IF9-NF10_NF6_Mark_Hartz-151.pdf	IF151	A 50 Ton Scale Water Cherenkov Test Platform in a Charged Particle Test Beam	M. Hartz	mark.hartz@ipmu.jp					x	x				p					IF2, IF9					NF10
69	IF/SNOWMASS21-IF3_IF8-NF2_NF9_Jing_Liu-095.pdf	IF095	COHERENT LOI 5: Instrumentation Development	J. Liu	jing.liu@usd.edu			x						x	p					IF2, IF3, IF8, IF9					NF10
70	IF/SNOWMASS21-IF4_IF0-NF10_NF0-CompF3_CompF0-167.pdf	IF167	Data Acquisition and Trigger Enhancements for Low-Energy Events in DUNE	G. Karagiorgi											p				CompF3	IF4					NF10
71	IF/SNOWMASS21-IF4_IF0-NF5_NF0_Noah_Oblath-046.pdf	IF046	DAQ System for a Large-Volume CRES Experiment	N. Oblath	noah.oblath@pnnl.gov					p										IF4					NF05
72	IF/SNOWMASS21-IF6_IF8-NF4_NF9-CF1_CF2_Rick_Gaitskell-172.pdf	IF172	Nu□clear Recoil Calibrat□ion Techniq□ues for Dark Matt□er and Neut□□rino E□xperiment□s	R. Gaitskell	gaitskell@brown.edu				d					x	p		CF1, CF2			IF6, IF8					NF10
73	IF/SNOWMASS21-IF7_IF2-NF10_NF0_Analog_Photon_Processor-052.pdf	IF052	ANALOG PHOTON PROCESSOR ASIC	J. Klein	jrk@hep.upenn.edu										p					IF2, IF7					NF10
74	IF/SNOWMASS21-IF7_IF8-NF10_NF0-UF3_UF0_Dan_Dwyer-171.pdf	IF171	An R&D Collaboration for Scalable Pixelated Detector Systems	D. Dwyer	dadwyer@lbl.gov					x					p					IF7, IF8			UF3		NF10
75	IF/SNOWMASS21-IF7_IF8-NF10_NF0_Jonathan_Asaadi-079.pdf	IF079	Q-Pix: Kiloton-scale pixelated liquid noble TPCs	J. Asaadi	jonathan.asaadi@uta.edu										p					IF7, IF8					NF10
76	IF/SNOWMASS21-IF8_IF0-NF0_NF0-016.pdf	IF016	Electron multiplication in liquid argon TPC detectors for low energy rare event physics	D. Caratelli	davidc@fnal.gov										p					IF8					NF10
77	IF/SNOWMASS21-IF8_IF0-NF10_NF6_Jacob_Zettlemoyer-150.pdf	IF150	Towards Directional Nuclear Recoil Detectors: Tracking of Nuclear Recoils in Gas Argon TPCs	D. Caratelli	davidc@fnal.gov						x				p					IF8					NF10
78	IF/SNOWMASS21-IF8_IF0-NF5_NF0-RF4_RF0_RGuenette-086.pdf	IF086	High-pressure xenon gas time-projection chambers for neutrinoless double-beta decay searches	R. Guenette	guenette@fas.harvard.edu					x					p			RF4		IF8					NF10
79	IF/SNOWMASS21-IF8_IF0-NF5_NF10-CF1_CF0-CompF5_CompF7_Matthew_Szydagis-104.pdf	IF104	NEST, The Noble Element Simulation Technique:	V. Velan	vvelan@berkeley.edu					x					p		CF1			IF8					NF10
80	IF/SNOWMASS21-IF8_IF0-NF5_NF10-CF1_CF0-CompF5_CompF7_Matthew_Szydagis-105.pdf	IF105	Blank... a repeat of IF104?																						
81	IF/SNOWMASS21-IF8_IF5-NF10_NF0_Ben_Jones-070.pdf	IF070	Scintillating and Quenched Gas Mixtures for HPGTPCs	B. Jones	ben.jones@uta.edu										p					IF5, IF8					NF10
82	IF/SNOWMASS21-IF9_IF8-NF3_NF10-CF1_CF0-145.pdf	IF145	Dual-Readout Time Projection Chamber: exploring sub-millimeter pitch for directional dark matter and tau identification in ντC interactions	E. Gramellini	elenag@fnal.gov			x		x					p		CF1			IF8, IF9					NF10
83	NF/SNOWMASS21-NF-TOPIC0-001.pdf	NF001	COherent Neutrino-Nucleus Interaction Experiment (CONNIE): Status and Plans	CONNIE	bonifazi@if.ufrj.br			x			p														NF06
84	NF/SNOWMASS21-NF0-002.pdf	NF002	Coherent Elastic Neutrino-Nucleus Scattering: Theoretical and experimental impact	L. Strigari	strigari@tamu.edu		x	p	x	x	x		x		x					x					NF03
85	NF/SNOWMASS21-NF0_NF0-087.pdf	NF087	Expected Final Sensitivity of the NOvA Experiment to 3-Flavor Neutrino Oscillations	J. Wolcott	jwolcott@fnal.gov	p		x						x	x										NF01
86	NF/SNOWMASS21-NF0_NF0-CF0_CF0-TF0_TF0-AF0_AF0-UF0_UF0_Nigel_Smith-037.pdf	NF037	*IUPAP Neutrino Panel Report*	N. Smith	nigel.smith@snolab.ca		x	x	x	x	x	x	x	x	x		x				x	x	x		All
87	NF/SNOWMASS21-NF0_NF0-CF1_CF2_Rott-190.pdf	NF190	*Letter of Interest on Dark Matter Physics with the IceCube Neutrino Observatory*	C. Rott	rott@skku.edu	x	x	x	p	x	x				x		CF1, CF2								NF04
88	NF/SNOWMASS21-NF0_NF0-EF0_EF0_Karwin-151.pdf	NF151	*Detecting Cosmic Neutrino Counterparts with Next-Generation Gamma-Ray Telescopes*	C. Karwin	ckarwin@clemson.edu				p								CF7								NF04
89	NF/SNOWMASS21-NF0_NF0-RF0_RF0-CF0_CF0-TF0_TF0-AF0_AF0-IF0_IF0-CompF0_CompF0	NF135	Neutrino Town Hall Input	K. Scholberg	kate.scholberg@duke.edu	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x		x	All
90	NF/SNOWMASS21-NF0_NF0-RF4_RF0-CF1_CF0_HyperK-187.pdf	NF187	The Hyper-Kamiokande Experiment	F. DiLodovico, M. Shiozawa		p	x	x	x	x	x	x	x	x	x		CF1, CF2	x							NF01
91	NF/SNOWMASS21-NF0_NF0_Nick_Solomey-009.pdf	NF009	The Science and Technical Developments of a Neutrino Detector Spacecraft	N. Solomey	nsolomey@gmail.com				x						p										NF10
~~92~~	~~NF/SNOWMASS21-NF0_NF0_Nick_Solomey-012.pdf~~	~~NF012~~	~~repeat of NF009?~~	~~N. Solomey~~	~~nsolomey@gmail.com~~				x						d										
93	NF/SNOWMASS21-NF10_NF0-CF0_CF7_Kowalski-101.pdf	NF101	*IceCube-Gen2: The Window to the Extreme Universe*	A. Karle, M. Kowalski	marek.kowalski@desy.de, karle@icecube.wisc.edu										p		CF7								NF10
94	NF/SNOWMASS21-NF10_NF0-CF1_CF0-IF1_IF0_Marco_Vignati-061.pdf	NF061	BULLKID: Low-threshold Kinetic Inductance Detectors for neutrino and dark matter searches	A. Cruciani	angelo.cruciani@roma1.infn.it]										p		CF1			IF1					NF10
95	NF/SNOWMASS21-NF10_NF0-EF0_EF0_Ariga-072.pdf	NF072	Neutrino / Dark Particle Detectors for the HL-LHC Forward Beam	A. Ariga	akitaka.ariga@lhep.unibe.ch			p						x	x	x									NF03
96	NF/SNOWMASS21-NF10_NF0-IF2_IF0-129.pdf	NF129	Reactor neutrino detection experiment using Skipper CCDs	G. Moroni	gfmoroni@fnal.gov					x					p					IF2					NF10
97	NF/SNOWMASS21-NF10_NF0-IF2_IF6-071.pdf	NF071	CHESS	G. Orebi Gann	gorebigann@lbl.gov										p					IF2, IF6					NF10
98	NF/SNOWMASS21-NF10_NF0-IF8_IF0_Zennamo-138.pdf	NF138	Improving Large LArTPC Performance Through the Use of Photo-Ionizing Dopants	J. Zennamo	jaz8600@fnal.gov					x					p					IF8					NF10
99	NF/SNOWMASS21-NF10_NF0-IF9_IF8_Xin_Qian-123.pdf	NF123	Development of LArTPC Vertical Drift Solutions with PCB Anode Readouts for DUNE	X. Qian	xqian@bnl.gov										P					IF8, IF9					NF10
100	NF/SNOWMASS21-NF10_NF0_NuLat-179.pdf	NF179	NuLat: A Compact Anti-Neutrino Detector	Michael "Jack" Borusinski	MJB22@Hawaii.edu		p					p			x										NF07
101	NF/SNOWMASS21-NF10_NF0_Pedro_Ochoa-030.pdf	NF030	LiquidO: a Novel Approach to Detecting Neutrinos	Juan Pedro Ochoa-Ricoux, Anatel Cabrera	anatael@in2p3.fr, jpochoa@uci.edu				x	x		x			p										NF10
102	NF/SNOWMASS21-NF10_NF1-IF6_IF0_C.K._Jung-118.pdf	NF118	3D-projection Scintillator Tracker (3DST) in SAND, a DUNE Near Detector Subsystem	Chang Kee Jung	chang.jung@stonybrook.edu	x	x	x			x	x		x	p						6				NF10
103	NF/SNOWMASS21-NF10_NF1-IF8_IF9-096.pdf	NF096	Interest to capitalize on the Long Baseline Neutrino Facility (LBNF) investment	Steve Kettell	kettell@bnl.gov	x									p										NF10
104	NF/SNOWMASS21-NF10_NF3-IF2_IF8-UF1_UF3_Zelimir_Djurcic-188.pdf	NF188	Searches for proton-decay with additional signatures from nuclear deexcitations and with precise timing from photon-detectors in large LArTPCs	Zelimir Djurcic	zdjurcic@anl.gov			p							x					2,8			1,3		NF03
105	NF/SNOWMASS21-NF10_NF4-CF1_CF0-IF8_IF0-UF1_UF3-137.pdf	NF137	Low Background kTon-Scale Liquid Argon Time Projection Chambers	Eric Church, Christopher Jackson, Juergen Reichenbacher	eric.church@pnnl.gov, christopher.jackson@pnnl.gov, Juergen.Reichenbacher@sdsmt.edu	x		x	x	x	x		x	x	p			1			8			1,2,3		NF10
106	NF/SNOWMASS21-NF10_NF4-CF7_CF0-IF10_IF0_Prohira-109.pdf	NF109	The Radar Echo Telescope for Neutrinos and Cosmic Rays	Steven Prohira	prohira.1@osu.edu				p						x			7			10				NF04
107	NF/SNOWMASS21-NF10_NF4-CF7_CF1-TF11_TF0_Darren_Grant-105.pdf	NF105	The IceCube Neutrino Observatory	Daren Grant, Francis Halzen	drg@msu.edu, francis.halzen@icecube.wisc.edu	x	x	x	p	x	x		x		x		1,7								NF04
108	NF/SNOWMASS21-NF10_NF5-IF2_IF0_dichroicon-066.pdf	NF066	Cherenkov/scintillation separation via spectral photon sorting with dichroicons for next-generation neutrino detectors	Benjamin Land Joshua Klein	bland100@sas.upenn.edu, jrk@hep.upenn.edu					x					p						2				NF10
109	NF/SNOWMASS21-NF10_NF5_Steve_Biller-014.pdf	NF014	Alternative Design for Large Scale Liquid Scintillator Detectors: Stratified Liquid Plane Scintillator (SLIPS)	Steven Biller	Steven.Biller@physics.ox.ac.uk										p										NF10
110	NF/SNOWMASS21-NF10_NF5_Steve_Biller-015.pdf	NF015	Slow Fluors for Effective Separation of Cherenkov Light in Liquid Scintillators	Steven Biller	Steven.Biller@physics.ox.ac.uk					p					x										NF05

s		Unique LOI number	Title	Contact	Contact email	NF1	NF2	NF3	NF4	NF5	NF6	NF7	TF11	NF9	NF10	EF	CF	RF	CompF	IF	AF	TF	UF	CEF	Primary topical group
111	NF/SNOWMASS21-NF10_NF5_Steve_Biller-059.pdf	NF059	A Method to Load Tellurium in Liquid Scintillator to Study Neutrinoless Double Beta Decay	Steven Biller	Steven.Biller@physics.ox.ac.uk					x					p											NF10
112	NF/SNOWMASS21-NF10_NF6-EF6_EF9-IF0_FASERnu2-006.pdf	NF006	FASERν 2: A Forward Neutrino Experiment at the HL LHC	Jonathan Fen	jlf@uci.edu			p		x						?										NF03
113	NF/SNOWMASS21-NF10_NF6-IF0_IF0_Mayly_Sanchez-133.pdf	NF133	ANNIE Detector R&D	Mayly Sanchez Michael Wurm Robert Svoboda	rsvoboda@physics.ucdavis.edu, michael.wurm@uni-mainz.de, mayly.sanchez@iastate.edu	x					x				p						2					NF10
114	NF/SNOWMASS21-NF10_NF6-IF8_IF9_DUNE-053.pdf	NF053	DUNE Near Detector	Ryan Patterson, Elizabeth Worcester	rbpatter@caltech.edu, etw@bnl.gov	x	x	x			p				x											NF06
115	NF/SNOWMASS21-NF10_NF7_Geon-Bo_Kim-157.pdf	NF157	Magnetic Microcalorimeters for CEvNS Detection	Igor Jovanovic, Geon-Bo Kim	ijov@umich.edu kim90@llnl.gov					x	x	x			p						6					NF10
116	NF/SNOWMASS21-NF10_NF9-IF2_IF0_Svoboda-081.pdf	NF081	T HEIA : Water-based Liquid Scintillator	Bob Svoboda Gabriel D. Orebi Gann	rsvoboda@physics.ucdavis.edu, gorebigann@lbl.gov	x			x	x					p						2					NF10
117	NF/SNOWMASS21-NF10_NF9-IF6_IF0_PSD_Li-6-Doped_Scintillator-180.pdf	NF117 (shouldn't this be NF180?)	Neutrino Physics and Nuclear Security Motivations for the Continued Development of Organic Scintillators with Pulse Shape Discrimination Capability and 6 Li-doping	Nathaniel Bowden, Pieter Mumm	nbowden@llnl.gov, hans.mumm@nist.gov		x		x			x		x	p						6					NF10
118	NF/SNOWMASS21-NF1_NF0_DUNE-052.pdf	NF052	Long-Baseline Physics in DUNE	Ryan Patterson, Elizabeth Worcester	rbpatter@caltech.edu, etw@bnl.gov	p																				NF01
119	NF/SNOWMASS21-NF1_NF0_Ryan_Patterson-093.pdf	NF093	Development of a joint oscillation analysis by the NOvA and T2K collaborations	Ryan Patterson, Mayly Sanchez, Sara Bolognesi , Mark Hartz, Kendall Mahn	rbpatter@caltech.edu	p																				NF01
120	NF/SNOWMASS21-NF1_NF0_Tom_Stuttard-058.pdf	NF058	Neutrino oscillations with IceCube-DeepCore and the IceCube Upgrade	Tom Stuttard, D. Jason Koskinen	stuttard@icecube.wisc.edu, koskinen@icecube.wisc.edu	p	x	x	x																	NF01
121	NF/SNOWMASS21-NF1_NF10-178.pdf	NF178	Long-Baseline Neutrinos at THEIA	Michael Wilking, Elizabeth Worcester, Guang Yang, Gabriel D. Orebi Gann	gorebigann@lbl.gov, guang.yang.1@stonybrook.edu , etw@bnl.gov, michael.wilking@stonybrook.edu	p	x				x			x	x											NF01
122	NF/SNOWMASS21-NF1_NF10-AF2_AF0-116.pdf	NF116	The Use of Precision Beam Timing in LBNF/DUNE	Matthew Wetstein	wetstein@iastate.edu	x	x	x						p	x						2p					NF09
123	NF/SNOWMASS21-NF1_NF10-AF2_AF0_Tord_Ekelof_and_Marcos_Dracos-062.pdf	NF062	The ESS neutrino Super Beam Design Study (ESSnuSB) and the High Intensity Frontier Initiative (HIFI)	Tord Ekelof, Marcos Dracos	tord.Ekelof@physics.uu.se, marcos.dracos@in2p3.fr	x	x				x			p	x						?					NF09
124	NF/SNOWMASS21-NF1_NF10_Bergevin-172.pdf	NF172	Exploration of a new model for neutrino oscillations using a kiloton-scale neutrino detector at the Advanced Instrumentation Testbed in Boulby England	M. Bergevin	bergevin1@llnl.gov		x	p					x	x	x											NF03
125	NF/SNOWMASS21-NF1_NF2-086.pdf	NF086	Legacy of the Daya Bay Reactor Antineutrino Experiment	Bryce Littlejohn Juan Pedro Ochoa-Ricoux Kam-Biu Luk	blittlej@iit.edu jpochoa@uci.edu k luk@berkeley.edu	x	x	x				x		p					7							NF09
126	NF/SNOWMASS21-NF1_NF3-CompF3_CompF0_Aurisano-152.pdf	NF152	ν τ Reconstruction in the Deep Underground Neutrino Experiment	Jeremy Hewes	jhewes15@fnal.gov	P	x	x	x				x	x	x			4,5								NF01
127	NF/SNOWMASS21-NF1_NF3-TF0_TF0_Peter_Denton-010.pdf	NF010	Direct Probes of the Matter Effect in Neutrino Oscillations	S. Parke, P. Denton	pdenton@bnl.gov parke@fnal.gov	p	x	x					x													NF01
128	NF/SNOWMASS21-NF1_NF3_Jeremy_Wolcott-088.pdf	NF088	Expected Final Sensitivity of the NOvA Experiment to 3-Flavor Neutrino Oscillations	Jeremy Wolcott	jwolcott@fnal.gov	p		x						x	x											NF01
129	NF/SNOWMASS21-NF1_NF3_POONAM_MEHTA-027.pdf	NF027	Role of higher order maxima of oscillation probabilities at long baseline neutrino experiments	Poonam Mehta	pm@jnu.ac.in	p		x					x	x												NF01
130	NF/SNOWMASS21-NF1_NF3_Patricia_Vahle-145.pdf	NF145	The NOvA Physics Program through 2025	Peter Shanahan Patricia Vahle	shanahan@fnal.gov, plvahle@wm.edu	p	x	x	x		x			x												NF01
131	NF/SNOWMASS21-NF1_NF3__NF06_T2KCollab-130.pdf	NF130	T2K Experiment: future plans and capabilities	Kendall Mahn	mahn@msu.edu	p	x	x			x		x	x	x											NF01
132	NF/SNOWMASS21-NF1_NF4-RF4_RF5_Aurisano-154.pdf	NF154	Atmospheric ν τ Appearance in the Deep Underground Neutrino Experiment	Joshua Barrow	jbarrow3@vols.utk.edu	p	x	x	x				x	x	x			4,5								NF01
133	NF/SNOWMASS21-NF1_NF4_Pedro_Ochoa-034.pdf	NF034	The JUNO Experiment	Juan Pedro Ochoa Ricoux Wei Wang Liangjian Wen Michael Wurm	michael.wurm@uni-mainz.de, wenlj@ihep.ac.cn, wangw223@mail.sysu.edu.cn, jpochoa@uci.edu	p	x	x	x					x	x											NF04
134	NF/SNOWMASS21-NF1_NF4_SNOplus-185.pdf	NF185	Reactor and Geo Neutrinos at SNO+	Logan Lebanowski Sofia Andringa	loganleb@hep.upenn.edu, sofia@lip.pt	x			p			x		x												NF04
135	NF/SNOWMASS21-NF1_NF5-TF11_TF0_Julia_Gehrlein-025.pdf	NF025	Leptonic Sum Rules	Julia Gehrlein	jgehrlein@bnl.gov	x		x		x			p													TF11
136	NF/SNOWMASS21-NF1_NF5-TF11_TF0_Kevin_J_Kelly-126.pdf	NF126	Tau Neutrino Physics	Adam Aurisano, Kevin J. Kelly	adam.aurisano@uc.edu, kkelly12@fnal.gov]	p	x	x			x		x	x												NF01
137	NF/SNOWMASS21-NF1_NF6-CompF3_CompF4_HarryBool-191.pdf	NF191	Scalable, End-to-End Optimizable Data Reconstruction and Physics Inference Techniques for Large-scale Particle Imaging Neutrino Detectors	Kazuhiro Terao	kterao@slac.stanford.edu	x	x	x			x				p				3,4							NF10
138	NF/SNOWMASS21-NF1_NF8_Ivan_Martinez_Soler-176.pdf	NF176	Physics with Sub-GeV Atmospheric Neutrinos	Kevin J. Kelly	kkelly12@fnal.gov	x	x	x	p				x		x			1								NF04
139	NF/SNOWMASS21-NF2_NF0-CF1_CF0_Peter_Meyers-018.pdf	NF018	HUNTER: A Facility for a Trapped Atom Sterile Neutrino Search and Other Studies	Peter D. Meyers	meyers@princeton.edu		p											1								NF02
140	NF/SNOWMASS21-NF2_NF0_SBN-164.pdf	NF164	Sensitive Tests for Sterile Neutrino Oscillations at the Short-Baseline Neutrino Program at Fermilab	Alberto Guglielmi	alberto.guglielmi@pd.infn.it		p																		NF02
141	NF/SNOWMASS21-NF2_NF1_Joint_Oscillation_Analyses_at_Reactors-115.pdf	NF115	Joint Experimental Oscillation Analyses in Search of Sterile Neutrinos	Bryce Littlejohn Juan Pedro Ochoa-Ricoux Bedřich Roskovec Pranava Teja Surukuchi	blittlej@iit.edu, jpochoa@uci.edu, broskove@uci.edu, pranavateja.surukuchi@yale.edu	x	p	x																		NF02
142	NF/SNOWMASS21-NF2_NF1_Rosner-045.pdf	NF045	THREE STERILE NEUTRINOS IN E 6	Jonathan Rosner	rosner@hep.uchicago.edu								p												TF11
143	NF/SNOWMASS21-NF2_NF3-EF9_EF0-RF4_RF6-CF1_CF0-TF8_TF11_Matheus_Hostert-041.pdf	NF041	Opportunities and signatures of non-minimal Heavy Neutral Leptons	Carlos A. Argüelles Matheus Hostert Pedro A. N. Machado Silvia Pascoli	carguelles@fas.harvard.edu, mhostert@umn.edu, pmachado@fnal.gov, silvia.pascoli@durham.ac.uk	x	x	P	x		x		x	x	x		9	1	4,6				8			NF03
144	NF/SNOWMASS21-NF2_NF3-RF6_RF0_Athanasios_Hatzikoutelis-160.pdf	NF160	Physics Opportunities for detection and study of Heavy Neutral Leptons at Accelerator Neutrino Experiments	Athanasios Hatzikoutelis	athanasios.hatzikoutelis@sjsu.edu		x	p											6							NF03
145	NF/SNOWMASS21-NF2_NF3-TF11_TF8_D-V-Forero-078.pdf	NF078	Large Extra-Dimension Searches	M. Blennow,	emb@kth.se			p					x													NF03
146	NF/SNOWMASS21-NF2_NF3_Alex_Sousa-150.pdf	NF150	Long-Baseline Accelerator Probes for Light Sterile Neutrinos	M. Blennow, E. Fernández-Martínez, D. V. Forero, S. Rosauro-Alcaraz, A. Sousa	emb@kth.se, enrique.fernandez-martinez@uam.es, dvanegas@udem.edu.co, salvador.rosauro@uam.es, alex.sousa@uc.edu		p	x					x												NF02
147	NF/SNOWMASS21-NF2_NF3_Arindam_Das-036.pdf	NF036	NSI from a flavorful Z 0 model	Arindam Das, Nobuchika Okada	arindam.das@het.phys.sci.osaka-u.ac.jp okadan@ua.edu		x	x					p												TF11
148	NF/SNOWMASS21-NF2_NF3_G_V_Stenico-131.pdf	NF131	Neutrino Decay as a Solution to the Short-Baseline Anomalies	André de Gouvêa	degouvea@northwestern.edu		x	x		x			p												TF11
149	NF/SNOWMASS21-NF2_NF3_Gavin_Davies-117.pdf	NF117	The NOvA Experiment and Exotic Neutrino Oscillations	Adam Aurisano, Gavin S. Davies, Brian Rebel	gsdavies@olemiss.edu		p	x																	NF02
150	NF/SNOWMASS21-NF2_NF3_carlo.giunti@to.infn.it-008.pdf	NF008	NuSte: Global Light Sterile Neutrino Fits	S. Gariazzo, C. Giunti, Y.F. Li, C. A. Ternes, Y. Y. Zhang	gariazzo@to.infn.it carlo.giunti@to.infn.it liyufeng@ihep.ac.cn chternes@ific.uv.es zhangyiyu@ihep.ac.cn		p	x																	NF02
151	NF/SNOWMASS21-NF2_NF4_Sousa_Thakore-134.pdf	NF134	Sterile Neutrino Searches with Atmospheric Neutrinos	Alex Sousa Tarak Thakore	alex.sousa@uc.edu, tarak.thakore@uc.edu	x	p	x	x																NF02
152	NF/SNOWMASS21-NF2_NF6-CF1_CF0-IF8_IF0_Bob_Wilson-079.pdf	NF079	ICARUS in the Next Decade	C. Rubbia R. J. Wilson	carlo.rubbia@cern.ch, wilson@colostate.edu	x	p				x				x			1							NF02
153	NF/SNOWMASS21-NF2_NF7_Dazeley-149.pdf	NF149	An Application of Pulse Shape Sensitive Plastic Scintillator - Segmented Anti/Neutrino Directional Detector (SANDD)	Steven Dazeley	dazeley2@llnl.gov		x					x			p										NF10
154	NF/SNOWMASS21-NF2_NF7_Jon_Link-075.pdf	NF075	CHANDLER: A Technology for Surface-level Reactor Neutrino Detection	Jonathan Link	jmlink@vt.edu		x					p		x						x					NF07
155	NF/SNOWMASS21-NF2_NF9-080.pdf	NF080	Neutrino Physics with IsoDAR	Janet Conrad	janet@mit.edu	x	p	x			x	x	x	x											NF02
156	NF/SNOWMASS21-NF2_NF9-CF1_CF0_Jon_Link-038.pdf	NF038	Physics with Electron Capture Neutrino Sources	Jonathan Link	jmlink@vt.edu		x	x		x				p			x								NF09
157	NF/SNOWMASS21-NF2_NF9_Further_PROSPECT-I_Science-168.pdf	NF168	Forthcoming Science from the PROSPECT-I Data Set	Nathaniel Bowden Karsten Heeger Pieter Mumm	nbowden@llnl.gov, karsten.heeger@yale.edu, hans.mumm@nist.gov		p	x				x		x											NF02
158	NF/SNOWMASS21-NF2_NF9_Future_PROSPECT-II_Science-169.pdf	NF169	The Expanded Physics Reach of PROSPECT-II	Nathaniel Bowden Karsten Heeger Pieter Mumm	nbowden@llnl.gov, karsten.heeger@yale.edu, hans.mumm@nist.gov		p	x				x		x											NF02
159	NF/SNOWMASS21-NF2_NF9_Spitz-128.pdf	NF128	The JSNS^2 Experiment	Takasumi Maruyama Carsten Rott Josh Spitz	spitzj@umich.edu, carsten.rott@gmail.com, takasumi.maruyama@kek.jp		p	x			x			x											NF02

s		Unique LOI number	Title	Contact	Contact email	NF1	NF2	NF3	NF4	NF5	NF6	NF7	TF11	NF9	NF10	EF	CF	RF	CompF	IF	AF	TF	UF	CEF	Primary topical group
160	NF/SNOWMASS21-NF3-003.pdf	NF003	Neutrino Frontier: White Paper on Neutrino Self-Interactions	Nikita Blinov	nblinov@fnal.gov			p		x			x												NF03
161	NF/SNOWMASS21-NF3-004.pdf	NF004	Laboratory searches for KeV sterile neutrinos	Asmaa Abada, Xabier Marcano	asmaa.abada@th.u-psud.fr xabier.marcano@tum.de		p	x																	NF02
162	NF/SNOWMASS21-NF3_NF0-112.pdf	NF112	Search for low mass dark matter at ICARUS detector using NuMI beam	Animesh Chatterjee	anc238@pitt.edu			p									1	6				8,9			NF03
163	NF/SNOWMASS21-NF3_NF0-CF1_CF0-TF8_TF9_Doojin_Kim-032.pdf	NF032	Physics Opportunities with Inelastic Boosted Dark Matter in the Next-Generation Large-Mass Neutrino and Dark Matter Experiments	Doojin Kim	doojin.kim@tamu.edu			P									1					8,9			NF03
164	NF/SNOWMASS21-NF3_NF0-CF1_CF0-TF8_TF9_Doojin_Kim-049.pdf	NF049	Searches for Boosted Dark Matter at Surface Experiments	Doojin Kim	doojin.kim@tamu.edu			p									1					8,,9			NF03
~~165~~	~~NF/SNOWMASS21-NF3_NF0-RF6_RF0-CF1_CF0_Animesh_Chatterjee-119.pdf~~	~~NF119~~	~~duplicate of NF112~~																						
166	NF/SNOWMASS21-NF3_NF0-RF6_RF0-CF1_CF0_Doojin_Kim-016.pdf	NF016	PASSAT: Particle Accelerator helioScopes for Slim Axion-like-particle deTection -- A New ALP Detection Strategy	Doojin Kim	doojin.kim@tamu.edu			P									1	6							NF03
167	NF/SNOWMASS21-NF3_NF0-RF6_RF0-CF1_CF3-TF9_TF11-148.pdf	NF148	Dark Sector Studies With Neutrino Beams	Brian Batell	batell@pitt.edu			P					x				1,3	6				8,9			NF03
168	NF/SNOWMASS21-NF3_NF0-RF6_RF0-TF8_TF9_Doojin_Kim-070.pdf	NF070	Dark Matter Searches at the Next-Generation CEvNS and Neutrino Facilities: from Photon to Dark Photon	Doojin Kim	doojin.kim@tamu.edu			p										6				8,9			NF03
169	NF/SNOWMASS21-NF3_NF0-RF6_RF0_Doojin_Kim-028.pdf	NF028	Search for Axion-Like Particles at the Next Generation Neutrino Experiments	Doojin Kim	doojin.kim@tamu.edu			p										6							NF03
170	NF/SNOWMASS21-NF3_NF0-RF6_RF0_Doojin_Kim-056.pdf	NF056	Search for Axion-Like Particles at the Reactor Neutrino Facilities	Doojin Kim	doojin.kim@tamu.edu			p										6							NF03
171	NF/SNOWMASS21-NF3_NF0_Adrian_Thompson-033.pdf	NF033	Constraints on Non-Standard Neutrino Interactions Utilizing Copulas	Adrian Thompson	thompson@physics.tamu.edu			p																	NF03
172	NF/SNOWMASS21-NF3_NF1-CF7_CF0-TF11_TF8_Peter_Denton-023.pdf	NF023	Neutrino Non-Standard Interactions	Peter Denton	peterbd1@gmail.com	x	x	x	x	x			p	x			7					8,9			TF11
173	NF/SNOWMASS21-NF3_NF1-EF9_EF0-RF4_RF6-CF1_CF3-TF11_TF9-AF5_AF0-195.pdf	NF195	Neutrino Minimal Standard Model — a unified theory of microscopic and cosmic scales	Marco Drewes	marco.drewes@uclouvain.be	x		x					P			9	1,3	4, 6			5		9		TF11
174	NF/SNOWMASS21-NF3_NF10-EF8_EF0-CF1_CF7_Anna_Pollmann-065.pdf	NF065	Searches for exotic particles with the IceCube NeutrinoObservatory	Anna Pollmann, Ignacio Taboada	anna.pollmann@uni-wuppertal.de, itaboada@gatech.edu			p							x	8	1, 7								NF03
175	NF/SNOWMASS21-NF3_NF2-CF7_CF0_Parno-042.pdf	NF042	Searches for Beyond-Standard-Model Physics with the KATRIN Experiment	Diana Parno, Kathrin Valerius	dparno@cmu.edu, kathrin.valerius@kit.edu		x	p					x				7								NF03
176	NF/SNOWMASS21-NF3_NF2-CF7_CF1-TF9_TF8_Katori-073.pdf	NF073	New physics with astrophysical neutrino flavor	Mauricio Bustamante	mbustamante@nbi.ku.dk	x	x	x	p				x		x		1, 2, 2					2, 8, 2(			
177	NF/SNOWMASS21-NF3_NF2-RF3_RF0-IF1_IF0_Kyle_Leach-055.pdf	NF055	Laboratory-Based keV-Scale Sterile Neutrino Searches and the BeEST Experiment	Kyle Leach	kleach@mines.edu		p	x		x								3		1					NF02
178	NF/SNOWMASS21-NF3_NF2-TF11_TF0-019.pdf	NF019	Testing quasi-Dirac leptogenesis through neutrino oscillations	Chee Sheng Fong Alberto Tonero	sheng.fong@ufabc.edu.br, alberto.tonero@gmail.com	x	x	x					p												TF11
179	NF/SNOWMASS21-NF3_NF2-TF11_TF0_DUNE-051.pdf	NF051	Physics Beyond the Standard Model in DUNE	Ryan Patterson, Elizabeth Worcester	rtpatter@caltech.edu, etw@bnl.gov	x	x	p					x												NF03
180	NF/SNOWMASS21-NF3_NF2-TF11_TF0_Petrillo-189.pdf	NF189	Follow up of anomalies measured in short baseline neutrino experiments	Gianluca Petrillo	petrillo@slac.stanford.edu	x	p	x					x												NF02
181	NF/SNOWMASS21-NF3_NF2_Ben_Jones-046.pdf	NF046	BSM Neutrino Oscillation Searches with 1-100 TeV Atmospheric Neutrinos at IceCube	Ben Jones	ben.jones@uta.edu	p	x	d-->NF01/NF02	x				x												NF01
182	NF/SNOWMASS21-NF3_NF2_Celio_Moura-063.pdf	NF063	Non-Unitarity of the neutrino mixing matrix	O.G. Miranda	omr@fis.cinvestav.mx	x	x	p																	NF03
183	NF/SNOWMASS21-NF3_NF4-CF7_CF0-TF11_TF0_Segev_BenZvi-043.pdf	NF043	Monitoring Galactic core-collapse supernova neutrinos with IceCube and IceCube-Gen2	Segev BenZvi Erin O'Sullivan	sbenzvi@ur.rochester.edu, erin.osullivan@physics.uu.se	x		x	P	x	x		x		x		7								NF03
184	NF/SNOWMASS21-NF3_NF4_Russell_Neilson-017.pdf	NF017	Neutrino Physics with Noble Liquid Bubble Chambers	Russell Neilson	neilson@drexel.edu]		x	x	x	x		x			p										NF10
185	NF/SNOWMASS21-NF3_NF5-155.pdf	NF155	Neutrinos as Probes for Lorentz and CPT Symmetry	Ralf Lehnert	ralehner@indiana.edu	x		p	x	x			x	x											NF03
186	NF/SNOWMASS21-NF3_NF5-162.pdf	NF162	Search for Muon Neutrino Magnetic Moment at Future High Intensity Muon Neutrino Beam Experiments	Thomas Coan	coan@smu.edu			x		p															NF05
187	NF/SNOWMASS21-NF3_NF5-RF0_RF0-029.pdf	NF029	The LEGEND Double Beta Decay Experiment	Steve Elliott Stefan Schönert	elliotts@lanl.gov, schoenert@ph.tum.de			x		p								x							NF05
188	NF/SNOWMASS21-NF3_NF5-TF11_TF0_Sanjoy_Mandal-024.pdf	NF024	LNV Meson Decays and Displaced Decay Searches to Probe Heavy Neutral Leptons in Leptoquark Assisted Seesaw Model	Sanjoy Mandal	smandal@ific.uv.es			x					p									x			TF11
189	NF/SNOWMASS21-NF3_NF6-CF1_CF0-TF11_TF0_Rex_Tayloe-095.pdf	NF095	Future COHERENT physics program at the SNS	Rex Tayloe	rtayloe@indiana.edu		x	x		x	p	x	x	x	x		1								NF06
190	NF/SNOWMASS21-NF3_NF6_SBND-166.pdf	NF166	Precision Neutrino-Nucleus Interaction Physics and BSM Searches at the Short-Baseline Near Detector (SBND) at Fermilab	David Schmitz	dwschmitz@uchicago.edu			x			p														NF06
191	NF/SNOWMASS21-NF3_NF8-TF2_TF8_Zahra_Tabrizi-110.pdf	NF110	A comprehensive EFT global fit in the neutrino oscillation experiments	Zahra Tabrizi	ztabrizi@vt.edu	x		x					p									2, 8			TF11
192	NF/SNOWMASS21-NF3_NF9-111.pdf	NF111	COHERENT Sensitivity to Dark Matter	Dan Pershey	daniel.pershey@duke.edu			p					x	x	x		1								NF03
193	NF/SNOWMASS21-NF4_NF0_Matthew_Szydagis-163.pdf	NF162	Extracting Physics from Natural Neutrinos with G3 Liquid Xenon Detector	Richard Gaitskell	richard.gaitskell@brown.edu				P																NF04
194	NF/SNOWMASS21-NF4_NF1-RF4_RF0-CF7_CF1_SUPERK-050.pdf	NF050	Ongoing Science Program of Super-Kamiokande	Ed Kearns	kearns@bu.edu	x		x	p						x		1, 7	4							NF04
195	NF/SNOWMASS21-NF4_NF10-CF1_CF0_Alec_Habig-124.pdf	NF124	SNEWS 2.0: A Next-Generation SuperNova Early Warning System for Multi-messenger Astronomy	Alec Habig	ahabig@umn.edu				p						x		1								NF04
196	NF/SNOWMASS21-NF4_NF10-CF1_CF7-020.pdf	NF020	The Pacific Ocean Neutrino Experiment: a new cabled observatory within Ocean Networks Canada.	Elisa Resconi	elisa.resconi@tum.de				p						x		1, 7								NF04
197	NF/SNOWMASS21-NF4_NF10-CF7_CF0-TF11_TF0-IF10_IF0_Mauricio_Bustamante-195.pdf	NF195	GRAND: Giant Radio Array for Neutrino Detection	Mauricio Bustamante	mbustamante@nbi.ku.dk				p				x		x		7			10					NF04
198	NF/SNOWMASS21-NF4_NF10-CF7_CF1_Mauricio_Bustamante-044.pdf	NF044	An Andean Deep-Valley Detector for High-Energy Tau Neutrinos	Mauricio Bustamante	mbustamante@nbi.ku.dk				x						p		CF1, CF6, CF7								NF10
199	NF/SNOWMASS21-NF4_NF10-IF6_IF0_Orebi_Gann-089.pdf	NF089	Astrophysical neutrinos at THEIA	Michael Wurm Gabriel D. Orebi Gann	michael.wurm@uni-mainz.de, gorebigann@lbl.gov	x		x	p	x	x		x		x										NF04
200	NF/SNOWMASS21-NF4_NF10_PTOLEMY-021.pdf	NF021	PTOLEMY: Towards Direct Detection of the Cosmic Neutrino Background	Chris Tully	cgtully@princeton.edu				p						x		0								NF04
201	NF/SNOWMASS21-NF4_NF10_Pattavina-076.pdf	NF076	Astrophysical neutrino source investigation with RES-NOvA	L. Pattavina	luca.pattavina@lngs.infn.it				p						x		7								NF04
202	NF/SNOWMASS21-NF4_NF10_Steve_Biller-013.pdf	NF013	The SNO+Neutrinoless Double Beta Decay Programme: Demonstration of a Scalable and Cost-effective Approach	Steve Biller	Steven.Biller@physics.ox.ac.uk				x	p					x					6					NF05
203	NF/SNOWMASS21-NF4_NF10_Steve_Biller-060.pdf	NF060	Studies of Low Energy Solar Neutrinos Using Slow-Fluor Liquid Scintillators	Steve Biller	Steven.Biller@physics.ox.ac.uk				P						x					6					NF04
204	NF/SNOWMASS21-NF4_NF3-CF1_CF7-TF9_TF11-039.pdf	NF039	Astrophysical neutrinos and dark matter exp	Shunsaku Horiuchi	horiuchi@vt.edu			x	p				x				1,7						9		NF04
205	NF/SNOWMASS21-NF4_NF3-CF7_CF6-TF11_TF9_DUNE-054.pdf	NF054	Supernova Burst and Other Low-Energy Neutrino Physics in DUNE	Elizabeth Worcester	etw@bnl.gov	x	x	x	p		x		x		x		7			8			9		NF04
206	NF/SNOWMASS21-NF4_NF3_Matthew_Strait-090.pdf	NF090	The Exotics and Cosmic Ray Physics Program of NOvA	Matthew Strait		x		p	x				x				1,7	4							NF03
207	NF/SNOWMASS21-NF4_NF5-TF11_TF0-158.pdf	NF158	Neutrinos from Supernovae	Pedro Dedin Neto	dedin@ifi.unicamp.br	x			p	x			x				7								NF04
208	NF/SNOWMASS21-NF4_NF6-CF7_CF3-TF9_TF11-IF2_IF10_Wissel-064.pdf	NF064	Ultra-High-Energy Neutrinos	Stephanie Wissel	wissel@psu.edu			x	p		x		x		x		3,7			2,10		8,9			NF04
209	NF/SNOWMASS21-NF5_NF0-EF0_EF4-170.pdf	NF170	Electroweak precision measurements in low energy neutrino experiments	Andre de Gouvea	degouvea@northwestern.edu				x	x	p			x		4									NF06
210	NF/SNOWMASS21-NF5_NF0-IF1_IF6_Brian_Mong-113.pdf	NF113	Neutrino Mass Measurements using TES Detectors to Cover theInverted Hierarchy	Brian Mong	bung@slac.stanford.edu					p					x					1,6					NF05
211	NF/SNOWMASS21-NF5_NF0_Diana_Parno-040.pdf	NF040	Direct Neutrino-Mass Measurements with KATRIN	Diana Parno	dparno@cmu.edu					p															NF05
212	NF/SNOWMASS21-NF5_NF0_Matthew_Szydagis-156.pdf	NF156	A 3rd generation liquid xenon TPC dark matter experiment sensitivity to neutrino properties: magnetic moment and 0νββdecay of 136Xe	Alex Lindote	lex@coimbra.lip.pt					p					x					8					NF05
213	NF/SNOWMASS21-NF5_NF0_VanDevender-031.pdf	NF031	Project 8 - A Next-Generation Tritium EndpointExperiment	Brent A. VanDevender	brent.vandevender@pnnl.gov					p					x										NF05
214	NF/SNOWMASS21-NF5_NF10-083.pdf	NF083	A Neutrinoless Double-Beta Decay Search at Theia	Andrew Mastbaum	mastbaum@physics.rutgers.edu					p					x					6					NF05
215	NF/SNOWMASS21-NF5_NF10-IF0_IF0_Joel_Ullom-143.pdf	NF143	Measuring the electron neutrino mass using the electron capture decay of163Ho	Joel Ullom	joel.ullom@nist.gov					p					x					6					NF05
216	NF/SNOWMASS21-NF5_NF10-IF2_IF0_Julieta_Gruszko-159.pdf	NF159	R&D Towards Beyond-the-Ton-Scale Double-BetaDecay Searches in Liquid Scintillator	Julieta Gruszko	jgruszko@unc.edu					p					x					2,6					NF05
217	NF/SNOWMASS21-NF5_NF10-IF8_IF0_Zennamo-175.pdf	NF175	DUNE-Beta: Searching for Neutrinoless Double-BetaDecay with a Large LArTPC	J. Zennamo	jaz8600@fnal.gov					p					x					8					NF05
218	NF/SNOWMASS21-NF5_NF10-RF4_RF0-IF9_IF8_Ben_Jones-048.pdf	NF048	Barium Tagging in Xenon Gas for Neutrinoless Double Beta Decay	Ben Jones	ben.jones@uta.edu					p					x			4		8,9					NF05
219	NF/SNOWMASS21-NF5_NF10_Pedro_Ochoa-125.pdf	NF125	Searching for 0νββ decays in JUNO	Juan Pedro Ochoa Ricoux	jpochoa@uci.edu					p					x					6					NF05
220	NF/SNOWMASS21-NF5_NF2_Project8_Secondary_Physics-171.pdf	NF171	Secondary Physics Potential of the Project 8 Experiment	Pranava Teja Surukuchi	pranavateja.surukuchi@yale.edu	x	p																		NF02
221	NF/SNOWMASS21-NF5_NF3-022.pdf	NF022	Investigation of Neutrino Properties with Global Analysis of CEvNS Data	Matteo Cadeddu	matteo.cadeddu@ca.infn.it			x		p	x		x	x											NF05
222	NF/SNOWMASS21-NF5_NF3-CF7_CF4-TF11_TF9_Zelimir_Djurcic-146.pdf	NF146	Neutrinos Across Frontiers	Zelimir Djurcic:	zdjurcic@anl.gov	x	x	x	x	x	x		x	x	x		4,7						9		ALL
~~223~~	~~NF/SNOWMASS21-NF5_NF3-RF4_RF0-CF1_CF0-IF1_IF2-UF3_UF0-181.pdf~~	~~NF181 (old version of NF182)~~	~~Toward Sensitivity to the Neutrino Normal Hierarchy with Quantum Calorimetry~~	~~Danielle H. Speller~~	~~danielle.speller@hu.edu~~			~~x~~		~~x~~					~~x~~		~~5~~	~~4~~		~~1,2,7~~			~~3~~	

s		Unique LOI number	Title	Contact	Contact email	NF1	NF2	NF3	NF4	NF5	NF6	NF7	TF11	NF9	NF10	EF	CF	RF	CompF	IF	AF	TF	UF	CEF	Primary topical group
224	NF/SNOWMASS21-NF5_NF3-RF4_RF0-CF1_CF0-IF1_IF2-UF3_UF0_Speller-182.pdf	NF182	Toward Sensitivity to the Neutrino Normal Hierarchy with Quantum Calorimetry	Danielle H. Speller	danielle.speller@jhu.edu			x		p					x		1	4		1,2,7			3		NF05
225	NF/SNOWMASS21-NF5_NF3-RF4_RF0-IF8_IF0_Moore-027.pdf	NF027	Kilotonne-scale Xe TPCs for 0νββ searches at 10^30 yr half-life sensitivity	D.C. Moore	david.c.moore@yale.edu			x		p								4		8					NF05
226	NF/SNOWMASS21-NF5_NF3-RF4_RF0-IF8_IF0_William_Fairbank-120.pdf	NF120	Barium tagging for a nEXO upgrade and future 136Xe 0nbbdetectors	William Fairbank	fairbank@colostate.edu			x		p					x			4		8					NF05
~~227~~	~~NF/SNOWMASS21-NF5_NF4-084.pdf~~	~~NF084 (old-version of NF085)~~	~~Neutrino physics with the DARWIN Observatory~~	~~Laura Baudis~~	~~lbaudis@darwin-observatory.org~~			~~x~~	~~x~~	~~x~~					~~x~~										
228	NF/SNOWMASS21-NF5_NF4-RF4_RF0_Savarese-127.pdf	NF127	The Neutrino Physics program of the Global ArgonDark Matter Collaboration	Claudio Savarese	claudios@princeton.edu				x	x	x				p			4		8					NF10
229	NF/SNOWMASS21-NF5_NF4_Baudis-085.pdf	NF085	Neutrino physics with the DARWIN Observatory	Laura Baudis	lbaudis@darwin-observatory.org			x	x	p					x										NF05
230	NF/SNOWMASS21-NF5_NF6-EF6_EF4-RF1_RF6-122.pdf	NF122	Precision Measurements with (Anti)Neutrino	Roberto Petti	roberto.petti@cern.ch	x	x	x		x	p				x	4,5,6,7		1,6							NF06
231	NF/SNOWMASS21-NF5_NF8_Henry_Wong-057.pdf	NF057	Neutrino Physics at the Kuo-Sheng Reactor Laboratory with the TEXONO Research Program	Henry T. Wong	htwong@phys.sinica.edu.tw					p	x														NF05
232	NF/SNOWMASS21-NF6_NF0-102.pdf	NF102	Using Electron Scattering to Constrain Neutrinos	Adi Ashkenazi	adishka@gmail.com						p								2						NF06
233	NF/SNOWMASS21-NF6_NF0-RF6_RF0-TF11_TF0-091.pdf	NF091	Electron-Nucleon Scattering at LDMX for DUNE	Andrew Furmanski	afurmans@umn.edu						p		x				1	6							NF06
234	NF/SNOWMASS21-NF6_NF0-TF11_TF5-CompF2_CompF0_Michael_Wagman-177.pdf	NF177	Connecting QCD to neutrino-nucleus scattering	Michael Wagman	mwagman@fnal.gov						p		x						2			5			NF06
235	NF/SNOWMASS21-NF6_NF1-TF11_TF0-CompF2_CompF0_Katori-094.pdf	NF094	Neutrino-induced Shallow- and Deep-Inelastic Scattering	Teppei Katori	teppei.katori@kcl.ac.uk	x					p		x		x				2						NF06
236	NF/SNOWMASS21-NF6_NF1-TF11_TF0_Kendall_Mahn-147.pdf	NF147	Electron scattering and neutrino programs	Kendall Mahn	mahn@msu.edu	x	x	x			p		x		x										NF06
237	NF/SNOWMASS21-NF6_NF1-TF5_TF11-CompF2_CompF0_Aaron_Meyer-111.pdf	NF111	Nucleon Form Factors for Neutrino Physics	Aaron S. Meyer	asmeyer.physics@gmail.com	x					p		x						2			5			NF06
238	NF/SNOWMASS21-NF6_NF10-RF6_RF0_Rupak_Mahapatra-104.pdf	NF104	MIvER CEvNS Experiment - A Tool for Discovery of New Physics and Applied Reactor Monitoring	Rupak Mahapatra	mahapatra@tamu.edu	x	x	p		x	x	x			x			6							NF03
239	NF/SNOWMASS21-NF6_NF10-TF11_TF0-CompF2_CompF0_Steven_Gardiner-194.pdf	NF194	Low-energy Inelastic Neutrino Cross Sections	Steven Gardiner	gardiner@fnal.gov			x	x		p		x		x				2						NF06
240	NF/SNOWMASS21-NF6_NF1_Mayly_Sanchez-139.pdf	NF139	Physics Opportunities in ANNIE	Mayly Sanchez	mayly.sanchez@iastate.edu	x			x		p														NF06
~~241~~	~~NF/SNOWMASS21-NF6_NF2-EF0_EF0-AF2_AF4-077.pdf~~	~~NF077 (old-version of NF082)~~	~~Neutrinos from stored muons; nuSTORM~~	~~Kenneth Long~~	~~k.long@imperial.ac.uk~~	~~x~~	~~x~~	~~x~~		~~x~~	~~x~~			~~x~~		~~0~~					~~2,4,5,6,7~~				
242	NF/SNOWMASS21-NF6_NF2-EF0_EF0-AF2_AF4_Kenneth_Long-082.pdf	NF082	Neutrinos from stored muons; nuSTORM	Kenneth Long	k.long@imperial.ac.uk	x	x	x			x			p		0					2,4,5,6,7				NF09
~~243~~	~~NF/SNOWMASS21-NF6_NF2_Kenneth_Long-076.pdf~~	~~NF076 (old-version of NF082)~~	~~Neutrinos from stored muons; nuSTORM~~	~~Kenneth Long~~	~~k.long@imperial.ac.uk~~	~~x~~	~~x~~	~~x~~		~~x~~	~~x~~			~~x~~		~~0~~					~~2,4,5,6,7~~				
~~244~~	~~NF/SNOWMASS21-NF6_NF3-141.pdf~~	~~NF141 (old-version of NF142)~~	~~Directional detectors for CEvNS and physics beyond the Standard Model~~	~~Daniel Snowden-Ifft~~	~~ifft@oxy.edu~~		~~x~~	~~x~~		~~x~~	~~x~~		~~x~~				~~1,7~~					~~9~~			
245	NF/SNOWMASS21-NF6_NF3-CF1_CF0_Phil_S_Barbeau-067.pdf	NF067	Far-Future COHERENT physics program at the SNS	Phil Barbeau	psbarbeau@phy.duke.edu		x	x		x	x	x	x	x	p		1								NF10
246	NF/SNOWMASS21-NF6_NF3-TF11_TF5_LauraFields_RichardHill_TomJunk-165.pdf	NF165	Neutrino Scattering Measurements on Hydrogen andDeuterium	Richard Hill	richard.hill@uky.edu	x	x	x			p		x		x			6							NF06
247	NF/SNOWMASS21-NF6_NF3_Snowden-Ifft-142.pdf	NF142	Directional detectors for CEvNS and physics beyond the Standard Model	Daniel Snowden-Ifft	ifft@oxy.edu		x	x		x	NF06		x		x		1,7					9			NF06
248	NF/SNOWMASS21-NF6_NF4-IF2_IF8-139.pdf	NF139	Inelastic Neutrino-Nucleus Interaction Measurements with COHERENT	Kate Scholberg	kate.scholberg@duke.edu		x	x	x	x	p		x	x	x					2,8					NF06
249	NF/SNOWMASS21-NF6_NF5-TF11_TF5-CompF2_CompF0_William_Jay-144.pdf	NF144	Event Generators for Accelerator-Based Neutrino Experiments	William I. Jay	wjay@fnal.gov			x			p		x						2			5			NF06
250	NF/SNOWMASS21-NF6_NF5-TF5_TF11-167.pdf	NF167	Theoretical predictions of Neutrino-nucleus Interactions	Rajan Gupta	rajan@lanl.gov						p		x						2			5			NF06
251	NF/SNOWMASS21-NF6_NF8-TF11_TF5-CompF2_CompF0-193.pdf	NF193	Lattice-QCD Calculations Supporting Neutrino-Oscillation Experiments	Andreas S. Kronfeld	ask@fnal.gov	x					p		x						2			5			NF06
252	NF/SNOWMASS21-NF6_NF8_Jonathan_Paley-068.pdf	NF068	The NOvA Near Detector Physics Program	Jonathan Paley	jpaley@fnal.gov						p		x	x	x										NF06
253	NF/SNOWMASS21-NF6_NF9-CF1_CF0-TF11_TF0-IF2_IF8_Kate_Scholberg-161.pdf	NF161	Neutrino Opportunities at the ORNL Second Target Station	Kate Scholberg	kate.scholberg@duke.edu	x	x	x	x	x	p		x	x	x		1			1,2,7,8					NF06
254	NF/SNOWMASS21-NF7_NF0_SNOplus-186.pdf	NF186	Detecting Antineutrinos from Distant Reactors using Pure Water at SNO+	Logan Lebanowski	loganleb@hep.upenn.edu							p													NF07
255	NF/SNOWMASS21-NF7_NF1-IF2_IF9_Adam_Bernstein-099.pdf	NF099	Neutrino Detection and Ranging	J.G. Learned	jgl@uh.edu	x		x		x		p	x	x	x					2,9					NF07
256	NF/SNOWMASS21-NF7_NF10-IF2_IF9_Adam_Bernstein-096.pdf	NF096	The deployment of kiloton-scale neutrino detectors at the Advanced Instrumentation Testbed in Boulby England	Adam Bernstein	bernstein3@llnl.gov							p			x					2,9					NF07
257	NF/SNOWMASS21-NF7_NF10-IF4_IF9_Adam_Bernstein-100.pdf	NF100	Encapsulation of Photosensors in kton–Mton Scale Neutrino Detectors	D.F. Cowen	cowen@phys.psu.edu	x			x[?]			x		x	p					2,4,9					NF10
258	NF/SNOWMASS21-NF7_NF10-IF6_IF9_Adam_Bernstein-098.pdf	NF098	A kiloton-scale water-based liquid scintillator detection concept for the Advanced Instrumentation Testbed in Northern England	Adam Bernstein	bernstein3@llnl.gov				x			x			p					6,9					NF10
259	NF/SNOWMASS21-NF7_NF10-IF9_IF0_Adam_Bernstein-097.pdf	NF097	A kiloton-scale gadolinium-doped water detection concept for Neutrino Experiment One at the Advanced Instrumentation Testbed in Northern England	Adam Bernstein	bernstein3@llnl.gov	x		x				p		x	x										NF07
260	NF/SNOWMASS21-NF7_NF8_Samuel_Hedges-153.pdf	NF153	Measuring Inelastic Charged- and Neutral-Current Antineutrino-Nucleus Interactions with Reactor Neutrinos	Samuel Hedges	sch52@phy.duke.edu		x				x	p		x	x										NF07
261	NF/SNOWMASS21-NF7_NF7-CommF1_CommF1_NuTools_Antineutrino_Utility_Study-136.pdf	NF136	Nu Tools: Exploring Practical Roles for Neutrinos in Nuclear Energy and Security	N. S. Bowden	nbowden@llnl.gov							p												1	NF07
262	NF/SNOWMASS21-NF7_NF9-CommF2_CommF0_Applications_And_Neutrino_Physics_Synergy-1	NF128	Mutual Benefits derived from the Application of Neutrino Physics to Nuclear Energy & Safeguards	O. Akindele	akindele1@llnl.gov		x					p		x	x									2	NF07
263	NF/SNOWMASS21-NF7_NF9-IF8_IF0_Kaixuan_Ni-011.pdf	NF011	Noble Liquids for the Detection of CEvNS from Artificial Neutrino Sources	Kaixuan Ni	nikx@physics.ucsd.edu		x	x		x		x		x	p					8					NF10
264	NF/SNOWMASS21-NF7_NF9_Igor_Jovanovic-140.pdf	NF140	High-Resolution Multiphysics Reactor Modeling for the Antineutrino Source Term	B. Kochunas	bkochuna@umich.edu							x		p	x										NF09
265	NF/SNOWMASS21-NF7_NF9_PROSPECT_Application_Demo-183.pdf	NF183	PROSPECT: a Case Study of Neutrino Physics Research providing Enabling Capabilities for Nuclear Security Applications	Nathaniel Bowden	nbowden@llnl.gov							p		x											NF07
266	NF/SNOWMASS21-NF8-CompF2-005.pdf	NF005	Computing Neutrino Oscillations in Matter Efficiently	Peter B. Denton	pdenton@bnl.gov	p	x	x					x						2						NF05
267	NF/SNOWMASS21-NF8_NF3-TF11_TF8_Julia_Gehrlein-114.pdf	NF114	Testable neutrino mass models	Julia Gehrlein	jgehrlein@bnl.gov			x		x			p									8			TF11
268	NF/SNOWMASS21-NF8_NF4-CF1_CF7_Evan_Grohs-174.pdf	NF174	Cosmological Neutrinos	Evan Grohs	grohs@berkeley.edu	x	x	x	p	x			x				1,7								NF04
269	NF/SNOWMASS21-NF8_NF4-CF3_CF7-TF9_TF8_Johns-121.pdf	NF121	Supernova neutrinos and particle-physics opportunities	Lucas Johns	ljohns370@gmail.com				p	x			x				3,7					8,9			NF04
270	NF/SNOWMASS21-NF9_NF0-AF7_AF0-UF1_UF0-047.pdf	NF047	The fasDAR (Isotope Decay At Rest) nu-e-bar source	Jose Alonso	JRAlonso@LBL.gov									p							7		0		NF09
271	NF/SNOWMASS21-NF9_NF0-EF0_EF0-RF0_RF0-IF0_IF0_EMPHATIC_Paley-173.pdf	NF173	The EMPHATIC Table-Top Spectrometer: Enabling Hadron Scattering and Production Measurements for Improved Beam Simulations	Jonathan Paley	jpaley@fnal.gov									p		5,6		3,7		9					NF09
272	NF/SNOWMASS21-NF9_NF0_Zsoldos-095.pdf	NF095	Antineutrino detection at THEIA	Stephane Zsoldos	zsoldos@berkeley.edu	x			x			x		x	p										NF10
273	NF/SNOWMASS21-NF9_NF3-TF11_TF0_Reactor_Flux_And_Spectra-117.pdf	NF117	Prediction and Measurement of the Reactor Neutrino Flux and Spectrum	Andrew Conant	conantaj@ornl.gov		x	x				x	x	p											NF09
274	NF/SNOWMASS21-NF9_NF4_Zimmerman.Eric-069.pdf	NF069	The future NA61/SHINE program on hadron production	Eric D. Zimmerman	edz@colorado.edu				x					p											NF09
275	NF/SNOWMASS21-NF9_NF5-CF1_CF0-IF8_IF0_JNewby-108.pdf	NF108	ORNL Neutrino Sources for Future Experiments	Jason Newby	newbyrj@ornl.gov	x	x	x			x	x	x	p	x		0			0					NF09
276	NF/SNOWMASS21-NF9_NF7_Pedro_Ochoa-035.pdf	NF035	The JUNO-TAO Experiment	Juan Pedro Ochoa Ricoux	jpochoa@uci.edu			x	x				x	p	x					2,6					NF09
277	NF/SNOWMASS21-NF9_NF7_ROADSTR_Mobile_Antineutrino-184.pdf	NF184	ROADSTR: a Mobile Antineutrino Detector Platform for enablingMulti-Reactor Spectrum, Oscillation, and ApplicationMeasurements	Nathaniel Bowden	nbowden@llnl.gov			x	x			p		x	x										NF07
278	RF/SNOWMASS21-RF2_RF3-NF0_NF0-TF0_TF0_Gorshteyn-055.pdf	RF055	The quest for explaining the top-row CKM unitarity deficit	Misha Gorshteyn	gorshtey@uni-mainz.de						x		p					RF2				TF11, 2,5			TF11
279	RF/SNOWMASS21-RF4_RF0-NF3_NF10_Joshua_Barrow-107.pdf	RF107	The Necessity of DUNE Intranuclear Baryon Minus Lepton Number-Violating Searches for a World-Leading, Complementary Physics Program	Joshua Barrow	jbarrow3@vols.utk.edu			p										4	3						NF03
280	RF/SNOWMASS21-RF4_RF0-NF3_NF2-TF11_TF0-051.pdf	RF051	Neutrinoless double beta decay ineffective field theory and simplified models	Wouter Dekens	wdekens@ucsd.edu		x	x		p			x					4				2			NF05
281	RF/SNOWMASS21-RF4_RF6-NF3_NF10-TF2_TF5_Joshua_Barrow-105.pdf	RF105	ΔB= 2: A State of the Field, and Looking Forward	Joshua Barrow	jbarrow3@vols.utk.edu			p							x			3,4,6							NF03
282	RF/SNOWMASS21-RF5_RF0-EF8_EF9-NF2_NF3-TF7_TF0-CompF2_CompF0_Ruiz_Richard-118	RF118	Neutrino mass models at colliders in a post-ESU era	Richard Ruiz	richard.ruiz@uclouvain.be			x		x			p			8,9		4,5	2			7			TF11
283	RF/SNOWMASS21-RF6_RF0-EF9_EF10-NF3_NF5-CF1_CF3-TF7_TF9-AF5_AF0-IF2_IF0-CompF	RF114	Accelerator Probes of Millicharged Particles & Dark Matter	Yu-Dai Tsai	ytsai@fnal.gov			p		x						9,10	1,3,7	6			5	7,8,9			NF03
284	RF/SNOWMASS21-RF6_RF0-NF2_NF3-AF2_AF5-099.pdf	RF099	Fixed-Target Searches for New Physics with O(1 GeV) Proton Beams at Fermi National Accelerator Laboratory	M. Toups	toups@fnal.gov		x	p						x				6			2,5				NF03
285	RF/SNOWMASS21-RF6_RF0-NF3_NF0-AF5_AF0-084.pdf	RF084 ~~(old-version of RF099)~~	Fixed-Target Searches for New Physics with O(10 GeV) Proton Beams at Fermi National Accelerator Laboratory	M. Toups	toups@fnal.gov		x	p										6			2,5				NF03
~~286~~	~~TF/SNOWMASS21-TF11_TF0-NF5_NF0-RF4_RF0-053.pdf~~	~~TF053 (old-version of TF085)~~	~~Deciphering explosion physics from the supernova neutrino signal~~	~~Alexander Friedland~~	~~alexfr@slac.stanford.edu~~	~~x~~	~~x~~	~~x~~	~~x~~				~~x~~		~~x~~		~~7~~					~~9~~			
287	TF/SNOWMASS21-TF11_TF9-NF4_NF10-IF6_IF0_Alex_Friedland-085.pdf	TF085	Deciphering explosion physics from the supernova neutrino signal	Alexander Friedland	alexfr@slac.stanford.edu	x	x	x	p				x		x		7					9			NF04
288	TF/SNOWMASS21-TF5_TF0-NF8_NF0-RF4_RF5-CompF2_CompF0_Phiala_Shanahan-064.pdf	TF064	Nuclear Matrix Elements for BSM Searches from Lattice QCD	Phiala Shanahan	phiala@mit.edu					p	x							3,4,5,6	2			5			NF05
289	TF/SNOWMASS21-TF8_TF5-EF3_EF5-NF3_NF0-RF4_RF0-CF1_CF3-012.pdf	TF012	Probing High Scale Physics via Standard Model Parameters	David Dunsky	ddunsky@berkeley.edu			x					p			3,5	1,3	4				5,8p			TF08
290	TF/SNOWMASS21-TF8_TF9-EF9_EF0-NF3_NF0-RF4_RF0-CF7_CF0-024.pdf	TF024	The Baryon Asymmetry Of The Universe	Gilly Elor	gelor@uw.edu			d -> TF11		p			x			9	7	4				8,9			NF05
291	TF/SNOWMASS21-TF8_TF9-NF3_NF0-CF1_CF0-068.pdf	TF068	Exotic light dark matter signals at existing experiments	Jeff A. Dror	jdror@berkeley.edu			p									1					8,9			NF03
292	UF/SNOWMASS21-UF0_UF0-NF0_NF0-RF4_RF3-CF1_CF0-IF8_IF1-CompF6_CompF0-CommF1	UF004	The Sanford Underground Research Facility	Jaret Heise	jaret@sanfordlab.org					x					p		1	3,4	6	1			0	1,5	NF10
293	UF/SNOWMASS21-UF0_UF0-NF10_NF5-CF1_CF0-IF9_IF0-006.pdf	UF006_1	An Ultralow Background Facility to Support Next/Generation Rare Event Physics Experiments	Isaac Arnquist	isaac.arnquist@pnnl.gov				x	x					p		1			9			1,2,3,4,5,6		NF10
294	UF/SNOWMASS21-UF4_UF3-NF5_NF6-CF1_CF0-IF3_IF0-CompF2_CompF3-CommF5_CommF0	UF006_2	Advanced Germanium Detectors and Technologies for Underground Physics	Dongming Mei	Dongming.Mei@usd.edu					p	x				x	p	1		2,3		3		3,4	5	NF05
295	UF/SNOWMASS21-UF6_UF0-NF10_NF0-RF4_RF0-CF1_CF0-IF8_IF0_Monreal-002.pdf	UF002	Solution-mined salt caverns as sites for underground physics experiments	Benjamin Monreal	benjamin.monreal@case.edu										p		1	4			8		6		NF10
296	IF/SNOWMASS21-IF8_IF6_Michael_Mooney-192.pdf	IF192	Precision Calibration of Large LArTPC Detectors	Michael Mooney	mrmooney@colostate.edu										p					6,8					NF10

s		Unique LOI number	Title	Contact	Contact email	NF1	NF2	NF3	NF4	NF5	NF6	NF7	TF11	NF9	NF10	EF	CF	RF	CompF	IF	AF	TF	UF	CEF	Primary topical group
297	https://www.snowmass21.org/docs/files/summaries/IF/SNOWMASS21-IF8_IF9_Giovanetti-163.pdf	IF163	Applications for Underground Argon	Graham Giovanetti	gkg1@williams.edu									p						8,9					NF10
298	https://www.snowmass21.org/docs/files/summaries/NF/SNOWMASS21-NF4_NF10_OceanBottomDe	NF201	Ocean Bottom Detector	Hiroko Watanabe	hiroko@awa.tohoku.ac.jp				p			x			x										NF04
299	https://www.snowmass21.org/docs/files/summaries/NF/SNOWMASS21-NF2_NF3_Michael_Mooney	NF196	Search for Heavy Sterile Neutrinos Using39	Mike Mooney	mrmooney@colostate.edu		p	x																	NF02
300	IF/SNOWMASS21-IF6_IF3-NF0_NF0-CommF1_CommF0_J.P._Brodsky-196.pdf	IF196	Additively Manufactured Architected Multimaterial Scintillators	J.J. Brodsky	brodsky3@llnl.gov										p					3,6				1	NF10
301	NF/SNOWMASS21-NF0_NF0-RF0_RF0-IF0_IF0_J.J._Gomez-Cadenas-199.pdf	NF199	The NEXT-SABAT R&D for Barium Tagging	J.J Gomez Cadenas	gomez@mail.cern.ch					p															NF05
302	NF/SNOWMASS21-NF1_NF0-205.pdf	NF205	Neutrino physics with muon-decay medium-baseline neutrino beam facility (MOMENT)	Jian Tang	tangjian5@mail.sysu.edu.cn	p								x											NF01
303	NF/SNOWMASS21-NF1_NF3_Poonam_Mehta-204.pdf	NF204	Role of high energy beam tunes in optimizing the sensitivity to current unknowns at DUNE	Poonam Mehta	pm@jnu.ac.in	p		x		x															NF01
304	NF/SNOWMASS21-NF2_NF0-CF7_CF0-TF9_TF11-200.pdf	NF200	Sterile neutrinos with non-standard interactions	Maria Archidiacono	maria.archidiacono@unimi.it	x	p	x	x	x			x					7				9			NF02
305	NF/SNOWMASS21-NF2_NF0-IF3_IF0_Susanne_Mertens-197.pdf	NF197	Prospects for keV Sterile Neutrino Searches with Katrin	Susanne Mertens	mertens@mpp.mpg.de		p	x	x																NF02
306	NF/SNOWMASS21-NF3_NF1-CF2_CF0-TF11_TF0_Pedro_Machado-203.pdf	NF203	Ultralight dark matter and neutrinos	Pedro Machado	pmachado@fnal.gov	x	x	p	x	x			x		x			2							NF03
307	NF/SNOWMASS21-NF4_NF10_OceanBottomDetector-201.pdf	NF201	Ocean Bottom Detector	H. Watanabe	hiroko@awa.tohoku.ac.jp				p						x										NF04
308	NF/SNOWMASS21-NF5_NF0-198.pdf	NF198	Reaching 0.02 eV sensitivity on absolute neutrino mass using low energy electron capture and beta decay	Loredana Gastaldo	Loredana.Gastaldo@kip.uni-heidelberg.de					p										x					NF05
309	NF/SNOWMASS21-NF8_NF5-202.pdf	NF202	Family Symmetry as a Possible Explanation for Lepton Masses and Mixing	Bartosz Dziewit	bartosz.dziewit@us.edu.pl			x		x			p												TF11
310	TF/SNOWMASS21-TF11_TF0-NF6_NF0-CompF2_CompF0_Noemi_Rocco-090.pdf	TF090	Microscopic approaches to neutrino-nucleus interactions	Noemi Rocco	nrocco@anl.gov						p		x						2						NF06
311	AF/SNOWMASS21-AF7_AF7_Densham-190.pdf	AF190	R&D for MW Pion Production Targets for Ne	C.J. Densham	chris.densham@stfc.ac.uk									p							x				NF09
					Total assigned	680																			
					N_x	66	75	113	50	69	53	30	74	55	95										
					N_Total	86	99	157	89	100	80	41	92	73	163										