



# Rare Processes and Precision Frontier Townhall Meeting

## Friday, 2 October 2020

### RF4: Baryon and Lepton Number Violating Processes: speaker 1 (12:50 - 16:50)

time	[id] title	presenter
12:50	[82] Ongoing Science Program of Super-Kamiokande	KEARNS, Ed
12:58	[81] Free Neutron-antineutron Transformation Searches at the European Spallation Source's Large Beamport	DUNNE, Katherine
13:06	[80] Neutrino mass models at colliders in a post-ESU era	RUIZ, Richard
13:14	[83] The Baryon Asymmetry Of The Universe	ELOR, Gilly
13:22	[84] High-pressure xenon gas time-projection chambers for neutrinoless double-beta decay searches	GUENETTE, Roxanne
13:30	[85] Neutrinoless double beta decay in effective field theory and simplified models	DEKENS, Wouter
13:38	[86] Toward Sensitivity to the Neutrino Normal Hierarchy with Quantum Calorimetry	SPELLER, Danielle
13:46	[87] Nuclear Matrix Elements for BSM Searches from Lattice QCD	DETMOLD, William
13:54	[88] Kilotonne-scale Xe TPCs for $0\nu\beta\beta$ searches at 1030 yr half-life sensitivity	HEFFNER, Michael
14:02	Break	
14:24	[89] The Neutrino Physics program of the Global Argon Dark Matter Collaboration	SAVARESE, Claudio
14:32	[90] Barium Tagging in Xenon Gas for Neutrinoless Double Beta Decay	JONES, Benjamin
14:40	[91] Barium tagging for a nEXO upgrade and future $^{136}\text{Xe}$ $0\nu\beta\beta$ detectors	FAIRBANK, Bill
14:48	[92] Bridging particle and nuclear physics for neutrinoless double beta decay with EFTs	MEREGHETTI, Emanuele
14:56	[93] Opportunities and signatures of non-minimal Heavy Neutral Leptons	HOSTERT, Matheus
15:04	[94] BSM Physics at the Electron Ion Collider: Searching for Heavy Neutral Leptons	XIE, Keping
15:12	[95] The Necessity of DUNE Intranuclear Baryon Minus Lepton Number-Violating Searches for a World-Leading, Complementary Physics Program	BARROW, Joshua
15:20	[96] $\Delta B = 2$ : A State of the Field, and Looking Forward	WAGMAN, Michael
15:28	Break	
15:50	[97] Discovery and Exclusion Potential of Future Colliders for Supersymmetry Signatures	THOMSON, Evelyn
15:58	[79] Neutrino Minimal Standard Model — a unified theory of microscopic and cosmic scales	DREWES, Marco
16:06	[98] The Hyper-Kamiokande Experiment	WENDELL, Roger