

## Poster Session I-a@Dirac

May 30, 15:00-16:30 KST / May 30, 08:00-09:30 EU / May 30, 01:00-02:30 CDT, US

[ZEP Location Number]

Example) DT01-023 -> Dirac Building, Track #, Poster #

Full Name	POSTER NO.	ZEP No.	Floor	Topic	Poster Title
Jun Terasaki	P0002	DT04-002	2F	Neutrinoless Double Beta Decay	Estimation of nuclear matrix elements of double- $\beta$ decay from shell model and quasiparticle random-phase approximation
Leonardo Mastrototaro	P0032	DT14-032	2F	Sterile Neutrinos	Massive sterile neutrinos in the early universe: From thermal decoupling to cosmological constraints
Paulo Brás	P0038	DT04-038	2F	Neutrinoless Double Beta Decay	Neutrino physics with the LUX-ZEPLIN Detector
Manuel Ettengruber	P0042	DT03-042	4F	Neutrino Mass	Neutrino Physics in TeV scale Quantum Gravity Theories
Gonzalo Díaz López	P0052	DT04-052	3F	Neutrinoless Double Beta Decay	Simulation of NEXT-100 detector
Vitalii Zavadskyi	P0076	DT14-076	2F	Sterile Neutrinos	Search for Sterile Neutrinos with JUNO-TAO
Pablo Herrero Gómez	P0149	DT04-149	3F	Neutrinoless Double Beta Decay	Assessment of bi-color molecular sensor chelation with Ba <sup>2+</sup> in Ultra-High Vacuum through XPS and STM-STs. Towards a Barium-tagging device for the NEXT 0 $\nu\beta\beta$ detector.
Stephanie Hickford	P0169	DT03-169	4F	Neutrino Mass	Status of the combined analysis of the first five KATRIN measurement campaigns
Hawraa Khalife	P0186	DT04-186	3F	Neutrinoless Double Beta Decay	BINGO: Bi-Isotope 0 $\nu$ 2 $\beta$ Next Generation Observatory
Leonard Köllenberger	P0191	DT14-191	2F	Sterile Neutrinos	Search for light sterile neutrinos with the second KATRIN science run
Pablo Del Amo Sanchez	P0195	DT14-195	2F	Sterile Neutrinos	Search for sterile-driven oscillations in reactor neutrinos with the STEREO experiment
Mykola Zarytskyi	P0202	DT04-202	3F	Neutrinoless Double Beta Decay	Studies of the CUPID-Mo detector performance using a dedicated <sup>56</sup> Co calibration
Alice Campani	P0209	DT04-209	3F	Neutrinoless Double Beta Decay	Recent results of the search for neutrinoless positron emitting electron capture of <sup>120</sup> Te with CUORE
Alexey Lokhov	P0247	DT03-247	4F	Neutrino Mass	Shifted analyzing plane: a novel electromagnetic field configuration for KATRIN's main spectrometer
Shihong Fu	P0249	DT04-249	3F	Neutrinoless Double Beta Decay	The CUORE cryostat: current performance and future upgrade towards CUPID
Katharina Von Sturm	P0259	DT04-259	3F	Neutrinoless Double Beta Decay	Status of the Large Enriched Germanium Experiment for Neutrinoless $\beta\beta$ Decay (LEGEND)
Justo Martín-Albo	P0262	DT04-262	3F	Neutrinoless Double Beta Decay	NEXT-HD, a tonne-scale detector for neutrinoless double beta decay searches
Pierre Charpentier	P0281	DT04-281	3F	Neutrinoless Double Beta Decay	R2D2: A Xenon TPC For Neutrinoless Double Beta Decay Search
Federica Pompa	P0282	DT03-282	4F	Neutrino Mass	An absolute neutrino mass measurement with the DUNE experiment
Joao Penedo	P0283	DT14-283	2F	Sterile Neutrinos	Baseline and other effects for a sterile neutrino at DUNE
Stefano Ghislandi	P0304	DT04-304	3F	Neutrinoless Double Beta Decay	Status and perspectives of the CUORE background model
Francesco Poppi	P0346	DT14-346	2F	Sterile Neutrinos	The Top Cosmic Ray Tagger of the SBN Far Detector at Fermilab
Nina Burlac	P0356	DT04-356	3F	Neutrinoless Double Beta Decay	The LEGEND-200 LAr instrumentation: From design to commissioning
DONGHA LEE	P0410	DT14-410	2F	Sterile Neutrinos	Result of the first long physics run of JSNS2 & study of JSNS2-II
Daeun Jung	P0415	DT14-415	2F	Sterile Neutrinos	JSNS <sup>2</sup> trigger for a sterile neutrino search
Sanghoon Jeon	P0417	DT14-417	2F	Sterile Neutrinos	Background Estimation in Sterile Prompt in the JSNS <sup>2</sup> Experiment
Magnus Schlösser	P0423	DT03-423	4F	Neutrino Mass	Operation of strongest gaseous tritium source for the neutrino mass measurements: status and new activities at KATRIN
Michael Willers	P0436	DT04-436	3F	Neutrinoless Double Beta Decay	Integration & Commissioning of LEGEND-200
Malgorzata Haranczyk	P0437	DT04-437	3F	Neutrinoless Double Beta Decay	Filling and purification of large volume of liquid argon for LEGEND-200

Pragyanprasu Swain	P0442	DT14-442	2F	Sterile Neutrinos	Active-sterile neutrino oscillations in long-baseline experiments for a wide $\Delta m^2$ range
Yabin Wang	P0454	DT14-454	2F	Sterile Neutrinos	Search for sterile neutrinos by shower events at a future neutrino telescope
Tommaso Comellato	P0483	DT04-483	3F	Neutrinoless Double Beta Decay	Topologies of $^{76}\text{Ge}$ $0\nu\beta\beta$ -decay events and precision of calibration procedures
Lorenzo Pagnanini	P0492	DT04-492	3F	Neutrinoless Double Beta Decay	Final Result on the Neutrinoless Double Beta Decay of Se-82 with CUPID-0
Beth Slater	P0501	DT14-501	2F	Sterile Neutrinos	SBND-PRISM: Sampling Multiple Off-Axis Neutrino Fluxes
Elisabetta Bossio	P0507	DT04-507	3F	Neutrinoless Double Beta Decay	New results on exotic double-beta decay modes of $^{76}\text{Ge}$ from GERDA Phase II
Léonard Imbert	P0509	DT04-509	3F	Neutrinoless Double Beta Decay	The background model of the CUPID-Mo experiment
Alberto Usón	P0512	DT04-512	3F	Neutrinoless Double Beta Decay	Xe-136 double beta decay searches with the NEXT-White detector
Benedikt Bieringer	P0513	DT03-513	4F	Neutrino Mass	Fast electromagnetic field and electron tracking simulations for the KATRIN main spectrometer
René Reimann	P0515	DT03-515	4F	Neutrino Mass	Estimating neutrino mass sensitivities for Project 8 - Study of a free space CRES demonstrator
Moritz Machatschek	P0518	DT03-518	4F	Neutrino Mass	Observables of the Electrical Potential of the KATRIN Tritium Source from Calibration with a High-Intensity Krypton-83m Source
Rodenbeck Caroline	P0527	DT03-527	4F	Neutrino Mass	A method for precisely determining the transition energies of $^{83\text{m}}\text{Kr}$
Christoph Wiesinger	P0529	DT03-529	4F	Neutrino Mass	Status of the KATRIN neutrino mass analysis using Monte Carlo propagation and a novel neural network approach
Kevin Gauda	P0532	DT03-532	4F	Neutrino Mass	Development of an active transverse energy filter (aTEF) for background reduction at the KATRIN experiment
Toby Dixon	P0535	DT04-535	3F	Neutrinoless Double Beta Decay	Results of the search for resonant absorption of $7\text{Li}$ solar axions using the CUPID-Mo data
Valentina Dompè	P0537	DT04-537	3F	Neutrinoless Double Beta Decay	First results on the search for $^{128}\text{Te}$ $0\nu\beta\beta$ decay with the CUORE $\text{TeO}_2$ cryogenic crystals
Alberto Ressa	P0539	DT04-539	3F	Neutrinoless Double Beta Decay	Search for new physics in double beta decay of $^{82}\text{Se}$ with the CUPID-0 Background Model
Elizabeth Mondragon	P0540	DT04-540	3F	Neutrinoless Double Beta Decay	The Monument Experiment; Ordinary Muon Capture to probe $0\nu\beta\beta$ -decay Nuclear Matrix Elements
Taku Dodo	P0570	DT14-570	2F	Sterile Neutrinos	Development of pulse shape discrimination (PSD) for removing fast neutrons in the JSNS <sup>2</sup>
Soumita Pramanick	P0578	DT03-578	4F	Neutrino Mass	A model for realistic neutrino mixing in scotogenic S3 symmetric framework
Sonja Schneidewind	P0587	DT03-587	4F	Neutrino Mass	An angular-selective monoenergetic photoelectron source for the measurement of the 32keV energy loss at KATRIN
Malak HOBALLAH	P0590	DT04-590	3F	Neutrinoless Double Beta Decay	Commissioning of the SuperNEMO Demonstrator: A Neutrinoless Double Beta Decay Experiment
Mario Schwarz	P0594	DT04-594	4F	Neutrinoless Double Beta Decay	Photon emission time spectra in liquid argon
Mario Schwarz	P0595	DT04-595	4F	Neutrinoless Double Beta Decay	Optical properties of liquid argon with sub-ppm level nitrogen doping
Moritz Neuberger	P0598	DT04-598	4F	Neutrinoless Double Beta Decay	Strategies for cosmogenic $^{77(\text{m})}\text{Ge}$ reduction for LEGEND-1000 Experiment
Jonas Kellerer	P0603	DT03-603	4F	Neutrino Mass	Two-part simulation approach of the source plasma of the KATRIN experiment
Mariia Fedkevych	P0605	DT03-605	4F	Neutrino Mass	Direct neutrino mass measurement with low-temperature microcalorimeters in HOLMES experiment
Alba Domi	P0609	DT14-609	2F	Sterile Neutrinos	Sterile neutrino searches with KM3NeT/ORCA.
Markus Griedel	P0674	DT03-674	4F	Neutrino Mass	From Temperature pulses to the high statistic $^{163}\text{Ho}$ spectrum: Analysis Algorithms for the ECHO Experiment
Supriya Pan	P0676	DT14-676	2F	Sterile Neutrinos	Matter effect in presence of sterile neutrino impacts the $\theta_{23}$ octant and $\delta\text{CP}$ sensitivity
Neven Kovac	P0696	DT03-696	4F	Neutrino Mass	From ECHO-1k to ECHO-100k: Optimisation of the High-Resolution Metallic Magnetic Calorimeters with Embedded $^{163}\text{Ho}$

Loredana Gastaldo	P0700	DT03-700	4F	Neutrino Mass	High energy resolution calorimetrically measured $^{193}\text{Pt}$ electron capture spectrum
Jorge Machado	P0709	DT14-709	2F	Sterile Neutrinos	Atomic structure calculations of the $^7\text{Be}$ electron capture decay for BSM neutrino studies
Anthony Onillon	P0713	DT14-713	2F	Sterile Neutrinos	Tritium spectrum modelling for keV-sterile neutrino search with KATRIN
Ondřej Lebeda	P0714	DT03-714	4F	Neutrino Mass	Ultra-intense $^{83}\text{Rb}/^{83\text{m}}\text{Kr}$ emanation generator for the source plasma calibration at the KATRIN neutrino mass experiment
Daniel Siegmann	P0715	DT14-715	2F	Sterile Neutrinos	Sterile neutrino search at the keV mass scale with KATRIN
Aaroodd Ujjayini Ramachandran	P0716	DT14-716	2F	Sterile Neutrinos	Impact of neutrino effective NSSI on sterile neutrino dark matter production in the early universe
Dounia Helis	P0742	DT04-742	4F	Neutrinoless Double Beta Decay	Indium-115 based crystals for $\beta$ -decay spectral shape measurement
Changhyun Yoo	P0768	DT14-768	2F	Sterile Neutrinos	Pulse Shape Discrimination with Machine learning at JSNS <sup>2</sup>
Xianyi Zhang	P0776	DT14-776	2F	Sterile Neutrinos	Searching for a keV sterile neutrino via $^{241}\text{Pu}$ beta spectrum
Dominic Hinz	P0778	DT03-778	4F	Neutrino Mass	Background investigations using a passive transverse energy filter (pTEF) at KATRIN
Alec Lindman	P0780	DT03-780	4F	Neutrino Mass	Atom-Source Development for Project 8
Yufeng Li	P0784	DT04-784	4F	Neutrinoless Double Beta Decay	Neutrinoless double beta decay in the type-I seesaw model