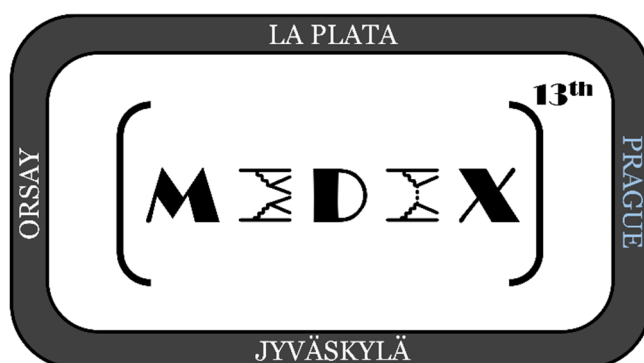


13th MEDEX'22

Prague, Czech Republic

June 13 – 17, 2022



June 13 – 17, 2022

June 13, 2022 (IEAP conference room)

Time	Speaker	Title
<i>Chair: O. Civitarese</i>		
08:30 – 09:15		REGISTRATION
09:15 – 09:30	Organizers	Opening of the MEDEX'22 conference
09:30 – 10:00	1. J. Suhonen	Neutrino Properties from Beta and Double Beta Decay
10:00 – 10:30	2. L. Graf	Exotic Contributions to Two-Neutrino Double Beta Decay
10:30 – 11:00	Coffee break	
<i>Chair: H. Ejiri</i>		
11:00 – 11:30	3. A. Pocar	Latest results from EXO-200
11:30 – 12:00	4. M. Olmi	Latest results from the CUORE ^{130}Te Double Beta Decay Experiment
12:00 – 12:30	5. E. Bossio	New results on the ^{76}Ge double-beta decay with neutrinos and exotic decay modes from GERDA Phase II
12:45 – 14:15	Lunch	
14:15 – 14:45	6. V. Caracciolo	Search for α and β decays of naturally occurring osmium nuclides accompanied by γ quanta
14:45 – 15:15	7. A. Leoncini	Study of double beta decay processes in ^{106}Cd using a $^{106}\text{CdWO}_4$ crystal scintillator
15:15 – 15:45	Coffee break	
15:45 – 16:15	8. S. Stoica	New results from the double-beta decay study
16:15 – 17:15		Round-Table Discussion (Leader: O. Civitarese)

June 14, 2022 (IEAP conference room)

Time	Speaker	Title
<i>Chair: J. Suhonen</i>		
09:00 – 09:30	9. O. Civitarese	The non-observation of $0\nu\beta\beta$ decay as a tool for dark matter studies
09:30 – 10:00	10. L. Jokiniemi	Improvements and constraints on neutrinoless double-beta-decay matrix elements
10:00 – 10:30	11. A. Smetana	Towards interferometry of neutrino electromagnetism
10:30 – 11:00	Coffee break	
<i>Chair: I. Ostrovskiy</i>		
11:00 – 11:30	12. H. Ejiri	Nuclear matrix elements for double beta decays and spin dipole giant resonances studied by charge-exchange nuclear reactions
11:30 – 12:00	13. P. Krause	LEGEND: An Overview & the Commissioning Status of LEGEND-200
12:00 – 12:30	14. D. Helis	Current status and perspectives of the ACCESS project
12:45 – 14:15	Lunch	
14:15 – 14:45	15. S. Park	Measurements of two neutrino double beta decay of ^{100}Mo to the excited states of ^{100}Ru
14:45 – 15:15	16. E. Mondragon	The MONUMENT Experiment; Ordinary Muon Capture as a benchmark for $0\nu\beta\beta$ -decay nuclear structure calculations
15:15 – 15:45	Coffee break	
15:45 – 17:00		Round-Table Discussion (Leader: J. Suhonen)

June 15, 2022 (IEAP conference room)

Time	Speaker	Title
<i>Chair: S. Stoica</i>		
09:00 – 09:30	17. J. Menendez	Novel insights on double-beta decay: role of short-range and nuclear correlations
09:30 – 10:00	18. V. Sevestrean	Finding the Dominant Mechanism Contributing to Neutrinoless Double-Beta Decay
10:00 – 10:30	19. B. Romeo	Toward reliable neutrinoless $\beta\beta$ -decay nuclear matrix elements: exploring the potential of measuring $\gamma\gamma$ -transitions in $\beta\beta$ final nuclei
10:30 – 11:00	Coffee break	
<i>Chair: A. Pocar</i>		
11:00 – 11:30	20. I. Ostrovskiy	Measurement of the spectral shapes of the beta decay of ^{137}Xe with EXO-200
11:30 – 12:00	21. H. Kim	Spectrum-shape method for the ^{210}Bi forbidden beta decay study using PbMoO_4 cryogenic detectors
12:00 – 12:30	22. G. Gratta	Status of nEXO
12:45 – 14:15	Lunch	
14:15 – 14:45	23. K. Zuber	Constraints on partial half-lives of ^{136}Ce and ^{138}Ce double electron captures
14:45 – 15:15	24. A. Armator	BINGO: Bi-Isotope $0\nu 2\beta$ Next Generation Observatory
15:15 – 15:45	Coffee break	
15:45 – 17:00		Round-Table Discussion (Leader: H. Ejiri)
19:00	BANQUET	

June 16, 2022 (IEAP conference room)

Time	Speaker	Title
<i>Chair: L. Graf</i>		
09:00 – 09:30	25. A. Neacsu	A Statistical Analysis for the Neutrinoless Double-Beta Decay Matrix element of ^{48}Ca
09:30 – 10:00	26. J. Terasaki	Estimation of nuclear matrix elements of double- β decay from shell model and quasiparticle random-phase approximation
10:00 – 10:30	27. P.S. Fajardo	Impact of the leading-order short-range term on neutrinoless double-beta decay
10:30 – 11:00	Coffee break	
<i>Chair: G. Gratta</i>		
11:00 – 11:30	28. L. Imbert	The CUPID-Mo experiment
11:30 – 12:00	29. Y. Chu	Recent results of the COBRA experiment
12:00 – 12:30	30. M. Petro	Search for Exotic Modes of Double Beta Decay within the SuperNEMO Experiment
12:45 – 14:15	Lunch	
14:15 – 14:45	31. M. Pichotta	Investigation of neutron-induced γ -rays from Ge-nuclides in the region of interest of GERDA/LEGEND
14:45 – 15:15	32. A. Ressa	Search for new physics in double beta decay of ^{82}Se with the CUPID-0 Background Model
15:15 – 15:45	Coffee break	
15:45 – 17:00		Round-Table Discussion (Leader: G. Gratta)
17:00 – 17:30	33. A. Belley	ONLINE: Constraining neutrinoless double beta decay matrix elements from ab initio nuclear theory

June 17, 2022 (IEAP conference room)

Time	Speaker	Title
<i>Chair: J. Menendez</i>		
09:00 – 09:30	34. M. Ramalho	On the implications of the ^{92}Rb total beta spectrum for the reactor flux anomaly
09:30 – 10:00	35. O. Scholer	Unraveling the Mechanisms of Neutrinoless Double Beta Decay
10:00 – 10:30	36. O. Nutescu	Angular Distributions of Emitted Electrons in the Two-Neutrino Double-Beta Decay
10:30 – 11:00	Coffee break	
<i>Chair: K. Zuber</i>		
11:00 – 11:30	37. H. Hoffmann	Determination of a high neutron flux produced by a DT generator
11:30 – 12:00	38. F. Konarik	Development of software for energy calibration of the SuperNEMO detector
12:00 – 12:45		Round-Table Discussion (Leader: K. Zuber)
12:45 – 14:15	Lunch	
End of the conference!		