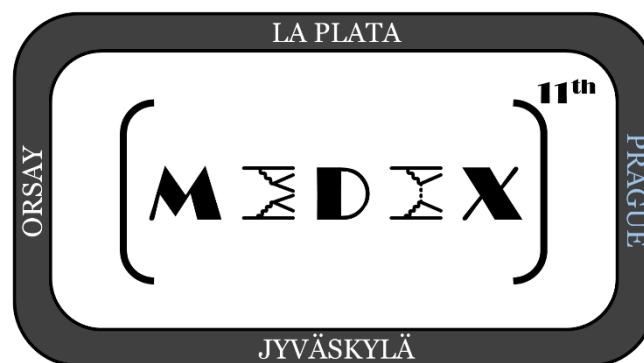


11TH MEDEX'17

Prague, Czech Republic

May 29 - June 2, 2017



May 29 – June 2, 2017

May 29th, 2017 (Balling Hall)

Time	Speaker	Title
<i>Chair: O. Civitarese</i>		
08:30 – 09:15		REGISTRATION
09:15 – 09:30	Organizers	Opening of the Workshop
09:30 – 10:00	1. M. Horoi	Towards a complete description of the neutrinoless double beta decay process
10:00 – 10:30	2. F. Deppisch	Statistical analysis of beta decays and the effective value of g_A
10:30 – 11:00	Coffee break	
11:00 – 11:30	3. S. Stoica	New calculations for double beta decay
11:30 – 12:00	4. J. Suhonen	Effective value of the axial-vector coupling constant in beta and double beta decays
12:00 – 12:30	5. J. Barea	Single particle levels and double beta decay matrix elements in the microscopic interacting boson model
12:40 – 13:45	Lunch	
<i>Chair: S. Elliott</i>		
13:45 – 14:15	6. A. Barabash	Double beta decay to the excited states: review
14:15 – 14:45	7. W. Rodejohann	Dirac vs. Majorana fermions in neutrino-electron scattering and in Dark Matter direct detection
14:45 – 15:15	8. G. Gratta	Status of the EXO-200 and nEXO experiments
15:15 – 15:45	Coffee break	
15:45 – 16:15	9. J. Janicsko	Background free search for neutrinoless double beta decay with GERDA Phase II
16:15 – 16:45	10. O. Polishchuk	Results of the AURORA ^{116}Cd double beta experiment
16:45 – 17:45		Round-Table Discussion
18:00	Dinner	

May 30th, 2017 (PC room No.2)

Time	Speaker	Title
Chair: <i>J. Suhonen</i>		
09:00 – 09:30	11. O. Civitarese	Neutrino's Decoherence effects
09:30 – 10:00	12. F. Simkovic	Neutrino mass, double beta decay and nuclear structure
10:00 – 10:30	13. M. Hirsch	Neutrinoless double beta decay beyond the mass mechanism
10:30 – 11:00	Coffee break	
11:00 – 11:30	14. P.K. Rath	Nuclear transition matrix elements for neutrinoless double-beta; decay of ^{76}Ge and ^{82}Se isotopes within PHFB approach
11:30 – 12:00	15. J. Wilkerson	The Large Enriched Germanium Experiment for Neutrinoless Double Beta Decay (LEGEND)
12:00 – 12:30	16. H. Ejiri	GT SD and high multipole nuclear responses for double beta decays and astro neutrinos
12:40 – 13:45	Lunch	
Chair: <i>G. Gratta</i>		
13:45 – 14:15	17. V. Guiseppe	The Status and Initial Results of the MAJORANA DEMONSTRATOR Experiment
14:15 – 14:45	18. T. Uesaka	Reaction studies of double Gamow-Teller transitions in double beta-decay nuclei
14:45 – 15:15	19. P. Belli	Results and perspectives of DAMA/LIBRA
15:15 – 15:45	Coffee break	Mini Poster Session R. Milincic - Temperature Gradient Monitor for the Kton Scale Liquid Argon Time Projection Chamber
15:45 – 16:15	20. D. Zinatulina	Ordinary Muon Capture in ^{76}Se , ^{106}Cd and ^{12}C
16:15 – 16:45	21. Y. Efremenko	Status of the KamLAND-Zen experiment
16:45 – 17:45		Round-Table Discussion
18:00	Dinner	

May 31st, 2017 (PC room No.2)

Time	Speaker	Title
Chair: <i>F. Simkovic</i>		
09:00 – 09:30	22. E. Coello Perez	Uncertainty estimates for beta and two-neutrino double-beta decays within an effective theory for collective nuclei
09:30 – 10:00	23. A. Marrone	Global constraints on neutrino masses and their ordering
10:00 – 10:30	24. C. Giunti	Light Sterile Neutrinos and Neutrinoless Double-Beta Decay
10:30 – 11:00	Coffee break	
11:00 – 11:30	25. S. Elliott	Solar neutrino backgrounds for double beta decay
11:30 – 12:00	26. N. Hinohara	Application of generator coordinate method with neutron-proton pairing amplitudes to nuclear matrix elements
12:00 – 12:30	27. S. Eliseev	Precise Q-Value Measurements for Neutrino Physics
12:40 – 13:45	Lunch	
Chair: <i>A. Barabash</i>		
13:45 – 14:15	28. K. Zuber	Various aspects and results on beta, double beta and flavour violation including the COBRA experiment
14:15 – 14:45	29. R. Cerulli	Search for double beta decay in ^{106}Cd in the DAMA/Crys setup
14:45 – 15:15	30. N. Moggi	Results from CUORE and CUORE-0
15:15 – 15:45	Coffee break	
15:45 – 16:15	31. N. Rukhadze	Investigation of double beta decay of ^{58}Ni with Obelix spectrometer
16:15 – 16:45	32. S. Freeman	Measurements of Nucleon Occupancies Relevant to the ^{100}Mo and ^{150}Nd Systems
16:45 – 17:45		Round-Table Discussion
18:00	Dinner	

June 1st, 2017 (PC room No.2)

Time	Speaker	Title
Chair: <i>M. Hirsch</i>		
09:00 – 09:30	33. V. Tretyak	Rare beta decays
09:30 – 10:00	34. D. Stefanik	Electron antineutrino spectrum of nuclear reactor and forbidden beta decays
10:00 – 10:30	35. J. Holt	Ab initio valence space double-beta decay operators from the IMSRG
10:30 – 11:00	Coffee break	
11:00 – 11:30	36. F. Cappuzzello	The nuclear matrix elements of 0vbb decay and the NUMEN project at INFN-LNS
11:30 – 12:00	37. B. Kay	An Overview of Nucleon-Transfer Studies on ^{76}Ge , ^{130}Te , and ^{136}Xe
12:00 – 12:30	38. L. Gastaldo	Integrated phonon and photon detector to search for rare events in scintillating crystals
12:40 – 13:45	Lunch	
Chair: <i>K. Zuber</i>		
13:45 – 14:15	39. R. Saakyan	Topological detection of double beta decay with NEMO-3 and SuperNEMO
14:15 – 14:45	40. H. Park	The AMoRE: Search for Neutrinoless Double Beta Decay of ^{100}Mo
14:45 – 15:15	41. J. Maricic	CAPTAIN: Current Neutron and Future Stopped Pion Neutrino Measurements
15:15 – 15:45	Coffee break	
15:45 – 16:15	42. D. Poda	^{100}Mo -enriched Li_2MoO_4 scintillating bolometers for $0\nu 2\beta$ decay search: from LUMINEU to CUPID-0/Mo projects
16:15 – 16:45	43. E. Previtali	CUPID-0: cryogenic calorimeter with particle identification for double beta decay search
16:45 – 17:15		Round-Table Discussion
19:00	BANQUET	

June 2nd, 2017 (Balling Hall)

Time	Speaker	Title
Chair: <i>H. Ejiri</i>		
09:00 – 09:30	44. J. Terasaki	Nuclear matrix elements of double-beta decay by QRPA and attempt to extend RPA
09:30 – 10:00	45. A. Smetana	Nuclear structure from QRPA with nonlinear phonon operator
10:00 – 10:30	46. A. Babic	Double-Beta Decay with Emission of Single Electron
10:30 – 11:00	Coffee break	
11:00 – 11:30	47. M. Macko	Study of Reconstruction Precision of Double Beta Decay Vertex for SuperNEMO Demonstrator
11:30 – 12:00		
12:00 – 12:30		
12:40 – 13:45	Lunch	End of the conference!