

Nuclei and Fundamental Symmetries: Theory Needs of Next-Decade Experiments

August 19 - 23, 2013

Monday, August 19, 2013

Room C421, Physics/Astronomy Tower

- 10:00 am: Jonathan H. Engel, Univ of North Carolina
"Comparing various methods for calculating double-beta-decay matrix elements"
- 11:00 am: Jason Holt, TU Darmstadt
"Towards a unified approach to effective valence-space Hamiltonians and double-beta decay operators"

Tuesday, August 20, 2013

Room C421, Physics/Astronomy Tower

- 10:00 am: Remco Zegers, Michigan State Univ
"The extraction of weak transition strengths from charge exchange reactions for astrophysics and neutrino physics"
- 11:00 am: David Nygren, Lawrence Berkeley Lab
"The NEXT-100 Double Beta Decay Experiment - Progress and Perspectives for the Ton-Scale"
- 3:00 pm: Dieter Frekers, Univ Muenster/TRIUMF
"Nuclear matrix elements for double beta decay from nuclear reactions and electron capture decay"

Wednesday, August 21, 2013

Room C421, Physics/Astronomy Tower

- 10:00 am: Yury Kolomensky, UC Berkeley
"Progress and plans for the CUORE double beta decay experiment"
- 11:00 am: Jason Detwiler, Univ of Washington
"Results, progress, and plans for the KamLAND-Zen and Majorana double beta decay experiments"

Thursday, August 22, 2013

Room C421, Physics/Astronomy Tower

- 10:00 am: Petr Vogel, Caltech
"Mass hierarchy determination in intermediate distance reactor experiments: Promises and challenges"
- 11:00 am: Nikolai Tolich, Univ of Washington
"Progress and plans for the SNO+ beta decay experiment"

Friday, August 23, 2013

Room C421, Physics/Astronomy Tower

- 10:00 am: Mihai Horoi, Central Michigan Univ
"Matrix elements for processes that could compete in double beta decay"
- 11:00 am: Krishna Kumar, Univ of Massachusetts
"EXO-200 and nEXO: Recent Results and Future Prospects"

INT Program 13-2b Participants August 19-23, 2013

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Please send a .pdf or .ppt of your presentation to janine@phys.washington.edu or bring it to me in C411. Thanks!