

# "Neutrino mass determination by electron-capture"

## Programme for the workshop

GSI, March 8-9, 2007

*Seminar room 3.170*

### Thursday, March 8

TIME	TALKS
9:30 – 9:45	<b>H.-J. Kluge</b> <i>Welcome. Goals of workshop.</i>
9:45 – 10:30	<b>Yu. N. Novikov</b> <i>Towards a neutrino mass determination by electron capture.</i>
10:30 – 11:00	Coffee break
11:00 - 11:40	<b>K. Blaum</b> <i>Penning traps as a versatile tool for fundamental physics research.</i>
11:40 –12:20	<b>W. Quint</b> <i>HITRAP-project as a prerequisite for ultra-precise mass measurements.</i>
12:20 - 14:00	Lunch
14:00 - 14:40	<b>S. George</b> <i>Ultra-precise neutrino oriented mass-spectrometry at HITRAP.</i>
14:40 – 15:20	<b>F. Herfurth</b> <i>Use of SHIPTRAP for the first-stage selection of relevant candidates for ultra-precise nuclear mass measurements.</i>
15:20 -16:00	<b>A. Herlert</b> <i>Advantages of ISOLTRAP in a search for the candidates for neutrino mass determination.</i>
16:00 – 16:30	Coffee break
16:30 – 17:10	<b>S. Coeck</b> <i>WITCH: status and possible prospects for neutrino searches</i>
17:20 - 18:30	Visit to SHIPTRAP and HITRAP
18:30 - 21:00	Dinner in the GSI Guest-house.

**Friday, March 9**

9:00 - 9:40	<b>F. Gatti</b> <i>Micro-calorimeters for experiments dedicated to the neutrino mass determination.</i>
9:40 - 10:20	<b>P. Egelhof</b> <i>Bolometers for high-energy atomic cascade measurements.</i>
10:20 - 10:50	Coffee break
10:50 - 11:30	<b>L. Castaldo</b> <i>Metallic magnetic calorimeters.</i>
11:30 - 12:10	<b>O. Kester</b> <i>Methods for production of highly charged ions.</i>
12:10 - 13:30	Lunch
13:30 - 14:10	<b>M. Lindner</b> <i>Different neutrino mass determinations and their impact on theory.</i>
14:10 - 14:50	<b>A. Faessler</b> <i>Status of the determination of the electron-neutrino mass by double beta decay.</i>
14:50 - 15:30	<b>C. Weinheimer</b> <i>Status of tritium neutrino experiments.</i>
15:30 - 16:00	Coffee break
16:00 - 17:00	Discussions