

**Pre-Workshop on the Physics and Techniques of the proposed
Tritium β -decay experiment with sub-eV sensitivity**

Thursday - January, 18, 2001

Session – A :	Systematic effects in tritium β-decay	09:00 – 10:40
09:00 <i>B. Bornschein</i>	25'+10'	Investigations of systematic uncertainties of a quench-condensed tritium source
09:35 <i>N. Titov</i>	25'+10'	Systematic uncertainties of gaseous sources
10:10 <i>A. Kovalik</i>	25'+10'	Long-term HV-stability checks with Rb-83 / Kr-83 conversion sources
10:45	15'	<i>Coffee Break</i>
11:00 <i>J.-P. Schall</i>	20'+10'	Background above & below the tritium β -endpoint
Session – B :	Aspects of a new tritium β-decay experiment	11:00 – 14:35
11:30 <i>B. Flatt</i>	20'+10'	Remarks on the magnetic and electrostatic spectrometer design
12:00 <i>J. Bonn</i>	20'+10'	XUHV pumping system for a large spectrometer
12:30 – 13:30	60'	<i>Lunch Break</i>
13:30 <i>M. Steidl</i>	20'+10'	Detector properties and options
14:00 <i>C. Weinheimer</i>	25'+10'	Remarks on the sensitivity
14:35 <i>all</i>		general discussion