

Session Program

May 23 - 25, 2023



**Tritium Laboratory Karlsruhe - 30 years -
23rd-25th May 2023**

**Neutrino physics with Tritium and atomic
sources**

FTU, TLK and IAP

Karlsruher Institut für Technologie Hermann-von-Helmholtz-Platz 1 76344 Eggenstein-Leopoldshafen

Wed, May 24

9:10 AM

Neutrino physics with Tritium and atomic sources: Session 1

Session | **Location:** B401, R410**09:10 – 09:45** **Tritium and the Mass of the Neutrino****Speaker**

Hamish Robertson

09:45 – 10:10 **Towards an atomic tritium source for Project 8****Speaker**

Sebastian Böser

10:10 – 10:35 **Operation of the KATRIN molecular tritium source****Speaker**

Dr Michael Sturm

10:35 AM

10:55 AM

Neutrino physics with Tritium and atomic sources: Session 2

Session | **Location:** B401, R410**10:55 – 11:20****Determination of absolute neutrino mass using quantum technologies****Speaker**

Ruben Saakyan

11:20 – 11:45 **Tritium for cosmic neutrino detection with Ptolemy****Speaker**

Prof. Nicolo de Groot

11:45 – 12:10 **Paving the Way: Towards an Atomic Tritium Source for KATRIN****Speaker**

Dr Marco Roellig

12:10 – 12:35 **Practicalities of Atomic Tritium for Project 8****Speaker**

Mr Alec Lindman

1:00 PM

12:35 – 13:00 **Discussion / Perspectives**