

Session Program

Nov 5 - 10, 2018

35th KATRIN Collaboration Meeting
Parallel

Tue, November 6

2:15 PM

Parallel: A: Hw solutions and performances

Session | **Location:** Building 425, Room 206 | **Convener:** Carsten Röttele

14:15 – 14:28 **LARA performance during First Tritium**

Speaker

Genrich Zeller

14:28 – 14:41 **Status of the LKARA software package**

Speaker

Julian Sanrock

14:41 – 14:54 **Funeral speech for the Mercury UV-illumination of the rear wall**

Speaker

Klaus Schloesser

14:54 – 15:07 **Investigation of the gas column density from first tritium**

Speaker

Dominik Fuchs

15:07 – 15:20 **Dissociative and Penning ions from STS**

Speaker

Ferenc Glück

15:20 – 15:33

Investigation of the FPD energy resolution: From SDS-I through STS-IIIa

Speaker

Luke Kippenbrock

15:33 – 15:46 **HV Ripple Analysis**

Speaker

Sanshiro Enomoto

3:47 PM

2:15 PM

Parallel: B: Measurements and Analysis I

Session | **Location:** Building 401, Room 410 | **Convener:** Jan Behrens

14:15 – 14:28

Influence of high voltage scanning strategy on the energy scale at KATRIN monitorspectrometer

Speaker

Manuel Egner

14:28 – 14:41 **Preliminary comparison of energy loss models from STS3a**

Speaker

Alexei Lokhov

14:41 – 14:54 **Discrepancies in the existing electron energy loss spectrum data**

	<div><div>Speaker</div><div>Nikita Titov</div></div>
	<div><div>14:54 - 15:07</div><div>Observed exchange reactions</div><div><div>Speaker</div><div>Bennett Krasch</div></div></div>
	<div><div>15:07 - 15:20</div><div>MoBSU measurements of analysis plane magnetic field</div><div><div>Speaker</div><div>Fabian Block</div></div></div>
	<div><div>15:20 - 15:33</div><div>Krypton measurements (CKrS)</div><div><div>Speaker</div><div>Mariia Fedkevych</div></div></div>
	<div><div>15:33 - 15:46</div><div>Deconvolution methods and simulation for energy loss</div><div><div>Speaker</div><div>Karol Debowski</div></div></div>
3:46 PM	
4:00 PM	
6:30 PM	<div><div>Parallel: Board Meeting</div><div>Session Location: B402, Room 224</div></div>
4:00 PM	
6:30 PM	<div><div>Parallel: Discussion time in small self-organized groups</div><div>Session Location:</div></div>

Wed, November 7

8:45 AM

Parallel: C: Analysis II

Session | **Location:** Building 401, Room 410 | **Convener:** Lutz Schimpf

08:45 – 08:58 **Systematics investigation with covariance matrix approach**

Speaker

Lisa Schlüter

08:58 – 09:11 **Comparison of analysis strategies using first tritium data**

Speaker

Christian Karl

09:11 – 09:24 **First Bayesian analysis of tritium measurements**

Speaker

Martin Ha Minh

09:24 – 09:37 **Tritium effective endpoint analysis**

Speaker

Pablo Guzman

09:37 – 09:50 **SSC/KaFit revamp progress report**

Speaker

Fabian Leven

09:50 – 10:03 **MCMC with Kasper**

Speaker

Valerian Sibille

10:03 – 10:16 **Model & Scan comparison for E-loss**

Speaker

Björn Lehnert

10:16 – 10:29 **Fitter comparison**

Speaker

Larisa Thorne

10:30 AM

8:45 AM

Parallel: sterile neutrinos

Session | **Location:** Building 242 (IPE), Room 114 | **Convener:** Florian Fränkle

08:45 – 08:58 **TRISTAN measurements at Troitsk with the CEA system: final results**

Speaker

Konrad Altenmüller

08:58 – 09:11 **Analysis of troitsk data**

Speaker

Tim Brunst

09:11 - 09:24

Update on the model for a keV-scale sterile neutrino search with KATRIN**Speakers**

Alexei Lokhov, Martin Slezak

09:24 - 09:37

Analysis of First tritium data to search for keV-scale sterile neutrinos (2)**Speaker**

Anton Huber

09:37 - 09:50

Analysis of First tritium data to search for keV-scale sterile neutrinos (1)**Speaker**

Leonard Köllenberger

09:50 - 10:03

Vacuum requirements for Tristan and first insight in DAQ characterisation with the detector emulator from CAEN**Speaker**

Martin Descher

10:03 - 10:16

Characterization of the TRISTAN detector with electrons**Speaker**

Daniel Siegmann

10:16 - 10:29

TRISTAN laboratory at KIT: status and outlook**Speaker**

Marc Korzeczek

10:30 AM