

**Session Program**

**Nov 5 - 10, 2018**

**35th KATRIN Collaboration Meeting**  
**Plenary**

# Mon, November 5

9:00 AM

## Plenary: Hardware Performance

**Session** | **Location:** | **Convener:** Stephanie Hickford

09:00 – 09:10 **Welcome**

### Speakers

Christian Weinheimer, Guido Drexlin

09:10 – 09:25 **Rear Section: Commissioning**

### Speaker

Klaus Schlösser

09:25 – 09:45 **Rear Section: E-gun commissioning**

### Speaker

Jan Behrens

09:45 – 10:00 **Rear Section: UV illumination**

### Speaker

Alexander Fulst

10:00 – 10:15 **Loop commissioning with deuterium and tritium**

### Speaker

Michael Sturm

10:15 – 10:30 **Loop performance**

### Speaker

Alexander Marsteller

10:30 – 10:45 **Tritium supply and recovery for (Very) First Tritium**

### Speaker

Stefan Welte

10:45 AM

11:15 AM

## Plenary: Hardware Performance (2)

**Session** | **Location:** | **Convener:** Larisa Thorne

11:15 – 11:20 **Organizational issues**

### Speaker

Markus Steidl

11:20 – 11:35 **Update on the SDS section**

### Speaker

Thomas Thümmeler

11:35 – 11:50 **Detector upgrades and high data rate performance**

### Speaker

Sanshiro Enomoto

11:50 – 12:05 **Report from the HV task**

1:00 PM

2:30 PM

4:00 PM

4:30 PM

**Speaker**

Caroline Rodenbeck

12:05 – 12:20

**Status of the DAQ and slow control system****Speakers**

Andreas Kopmann, John Wilkerson

12:20 – 12:30

**Report by the Safety Officer****Speaker**

Martin Mark

12:30 – 12:50

**Report by the Run Time Coordinator****Speaker**

Alexander Jansen

12:50 – 13:00

**Discussion****Plenary: STS.III.a Measurements 1 of 2****Session** | **Location:** | **Convener:** Eric Martin

14:30 – 14:45

**Results from the August-KrS campaign****Speaker**

Alexander Fulst

14:45 – 15:00

**Report on Alignment studies****Speaker**

Marco Deffert

15:00 – 15:15

**FBM data from measurements over the past six months****Speaker**

Norman Haussmann

15:15 – 15:30

**The e-gun characterization****Speaker**

Rudolph Sack

15:30 – 15:45

**Energy loss measurements****Speaker**

Lutz Schimpf

15:45 – 16:00

**ToF results****Speaker**

Caroline Rodenbeck

**Plenary: STS.III.a Measurements 2 of 2****Session** | **Location:** | **Convener:** Martin Slezak

16:30 – 16:55

**Ion measurements****Speakers**

Ana Paula Hernandez-Vizcaya, Fabian Friedel

16:55 – 17:20

**Measurements with gaseous  $^{83}\text{m-Kr}$**

|         |  |
|---------|--|
| 6:00 PM | <b>Speaker</b><br>Moritz Machatschek   |
|         | <b>17:20 – 17:40    Testing the Rydberg model (1)</b><br><br><b>Speaker</b><br>Dominic Hinz  |
|         | <b>17:40 – 18:00    Testing the Rydberg model (2)</b><br><br><b>Speaker</b><br>Anna Pollithy |

## Tue, November 6

8:45 AM

### Plenary: Analysis Overview

**Session** | **Location:** | **Convener:** Magnus Schlösser

#### 08:45 – 09:10 General Analysis Overview

##### Speakers

Kathrin Valerius, Susanne Mertens

#### 09:10 – 09:19 Report Working Group 1

##### Speaker

Florian Fränkle

#### 09:19 – 09:28 Report Working Group 2

##### Speaker

Jan Behrens

#### 09:28 – 09:37 Report Working Group 3

##### Speaker

Sanshiro Enomoto

#### 09:37 – 09:46 Report Working Group 4

##### Speaker

Stephanie Hickford

#### 09:46 – 09:55 Report Working Group 5

##### Speaker

Alexei Lokhov

#### 09:55 – 10:20 Aspects to the future of KATRIN

##### Speakers

Christian Weinheimer, Guido Drexlin, Markus Steidl

#### 10:20 – 10:30 Discussion

##### Speaker

all

10:30 AM

10:55 AM

### Plenary: Analysis

**Session** | **Location:** | **Convener:** Norman Haußmann

#### 10:55 – 11:15 The First Tritium campaign

##### Speaker

Magnus Schlösser

#### 11:15 – 11:55 Overview of physics analysis of first tritium data

##### Speaker

Martin Slezak

#### 11:55 – 12:15 First tritium data analysis and sensitivity studies

1:05 PM

|                                    |  |
|------------------------------------|--|
| <b>Speaker</b><br>Thierry Lasserre |  |
| 12:15 - 12:35                      | <b>Unbiased neutrino mass analysis strategy</b>      |
| <b>Speaker</b><br>Valerian Sibille |  |
| 12:35 - 12:55                      | <b>Recent results from final states calculations</b> |
| <b>Speaker</b><br>Alejandro Saenz  |  |
| 12:55 - 13:05                      | <b>Discussion</b>                                    |
| <b>Speaker</b><br>All              |  |

## Wed, November 7

11:00 AM

### Plenary: Sterile neutrinos and KATRIN matters

**Session** | **Location:** | **Convener:** Thomas Thümmeler

11:00 – 11:30

#### Physics beyond the S.M. by investigating the entire tritium spectrum

##### Speaker

Werner Rodejohann

11:30 – 11:50

#### Astrophysical searches of keV neutrinos

##### Speaker

Igor Tkachev

11:50 – 12:10

#### Recent results from Troitsk

##### Speaker

Vladimir Pantuev

12:10 – 12:25

#### Update on TRISTAN

##### Speaker

Thibaut Houdy

12:25 – 12:35

#### Report from the Board Meeting

##### Speaker

Marc Weber

12:35 – 12:45

#### Report from the Pub. Comm.

##### Speaker

Alan Poon

12:45 – 12:55

#### Report from the Conf. Comm. & Conf. Photo

##### Speaker

Guido Drexlin

1:00 PM