



# 35th KATRIN Collaboration Meeting

## Monday, November 5, 2018

### Plenary: Hardware Performance (9:00 AM - 10:45 AM)

-Conveners: Stephanie Hickford

time	[id] title	presenter
9:00 AM	[1] Welcome	WEINHHEIMER, Christian DREXLIN, Guido
9:10 AM	[2] Rear Section: Commissioning	SCHLÖSSER, Klaus
9:25 AM	[3] Rear Section: E-gun commissioning	BEHRENS, Jan
9:45 AM	[4] Rear Section: UV illumination	FULST, Alexander
10:00 AM	[5] Loop commissioning with deuterium and tritium	STURM, Michael
10:15 AM	[6] Loop performance	MARSTELLER, Alexander
10:30 AM	[7] Tritium supply and recovery for (Very) First Tritium	WELTE, Stefan

### Plenary: Hardware Performance (2) (11:15 AM - 1:00 PM)

-Conveners: Larisa Thorne

time	[id] title	presenter
11:15 AM	[8] Organizational issues	STEIDL, Markus
11:20 AM	[9] Update on the SDS section	THÜMLER, Thomas
11:35 AM	[10] Detector upgrades and high data rate performance	ENOMOTO, Sanshiro
11:50 AM	[11] Report from the HV task	RODENBECK, Caroline
12:05 PM	[12] Status of the DAQ and slow control system	KOPMANN, Andreas WILKERSON, John
12:20 PM	[13] Report by the Safety Officer	MARK, Martin
12:30 PM	[14] Report by the Run Time Coordinator	JANSEN, Alexander
12:50 PM	[15] Discussion	

### Plenary: STS.III.a Measurements 1 of 2 (2:30 PM - 4:00 PM)

-Conveners: Eric Martin

time	[id] title	presenter
2:30 PM	[16] Results from the August-KrS campaign	FULST, Alexander
2:45 PM	[17] Report on Alignment studies	DEFFERT, Marco
3:00 PM	[18] FBM data from measurements over the past six months	HAUSSMANN, Norman
3:15 PM	[19] The e-gun characterization	SACK, Rudolph
3:30 PM	[20] Energy loss measurements	SCHIMPF, Lutz
3:45 PM	[21] ToF results	RODENBECK, Caroline

**Plenary: STS.III.a Measurements 2 of 2 (4:30 PM - 6:00 PM)****-Conveners: Martin Slezak**

time	[id] title	presenter
4:30 PM	[22] Ion measurements	HERNANDEZ-VIZCAYA, Ana Paula FRIEDEL, Fabian
4:55 PM	[23] Measurements with gaseous 83m-Kr	MACHATSCHEK, Moritz
5:20 PM	[24] Testing the Rydberg model (1)	HINZ, Dominic
5:40 PM	[25] Testing the Rydberg model (2)	POLLITHY, Anna

# Tuesday, November 6, 2018

## Plenary: Analysis Overview (8:45 AM - 10:30 AM)

-Conveners: Magnus Schlösser

time	[id] title	presenter
8:45 AM	[26] General Analysis Overview	VALERIUS, Kathrin MERTENS, Susanne
9:10 AM	[27] Report Working Group 1	FRÄNKLE, Florian
9:19 AM	[28] Report Working Group 2	BEHRENS, Jan
9:28 AM	[30] Report Working Group 3	ENOMOTO, Sanshiro
9:37 AM	[31] Report Working Group 4	HICKFORD, Stephanie
9:46 AM	[29] Report Working Group 5	LOKHOV, Alexei
9:55 AM	[38] Aspects to the future of KATRIN	WEINHEIMER, Christian DREXLIN, Guido STEIDL, Markus
10:20 AM	[39] Discussion	ALL

## Plenary: Analysis (10:55 AM - 1:05 PM)

-Conveners: Norman Haußmann

time	[id] title	presenter
10:55 AM	[32] The First Tritium campaign	SCHLÖSSER, Magnus
11:15 AM	[33] Overview of physics analysis of first tritium data	SLEZAK, Martin
11:55 AM	[34] First tritium data analysis and sensitivity studies	LASSERRE, Thierry
12:15 PM	[35] Unbiased neutrino mass analysis strategy	SIBILLE, Valerian
12:35 PM	[36] Recent results from final states calculations	SAENZ, Alejandro
12:55 PM	[37] Discussion	ALL

# Wednesday, November 7, 2018

## Plenary: Sterile neutrinos and KATRIN matters (11:00 AM - 1:00 PM)

-Conveners: Thomas Thümmler

time	[id] title	presenter
11:00 AM	[70] Physics beyond the S.M. by investigating the entire tritium spectrum	RODEJOHANN, Werner
11:30 AM	[71] Astrophysical searches of keV neutrinos	TKACHEV, Igor
11:50 AM	[72] Recent results from Troitsk	PANTUEV, Vladimir
12:10 PM	[76] Update on TRISTAN	HOUDY, Thibaut
12:25 PM	[73] Report from the Board Meeting	WEBER, Marc
12:35 PM	[74] Report from the Pub. Comm.	POON, Alan
12:45 PM	[75] Report from the Conf. Comm. & Conf. Photo	DREXLIN, Guido