

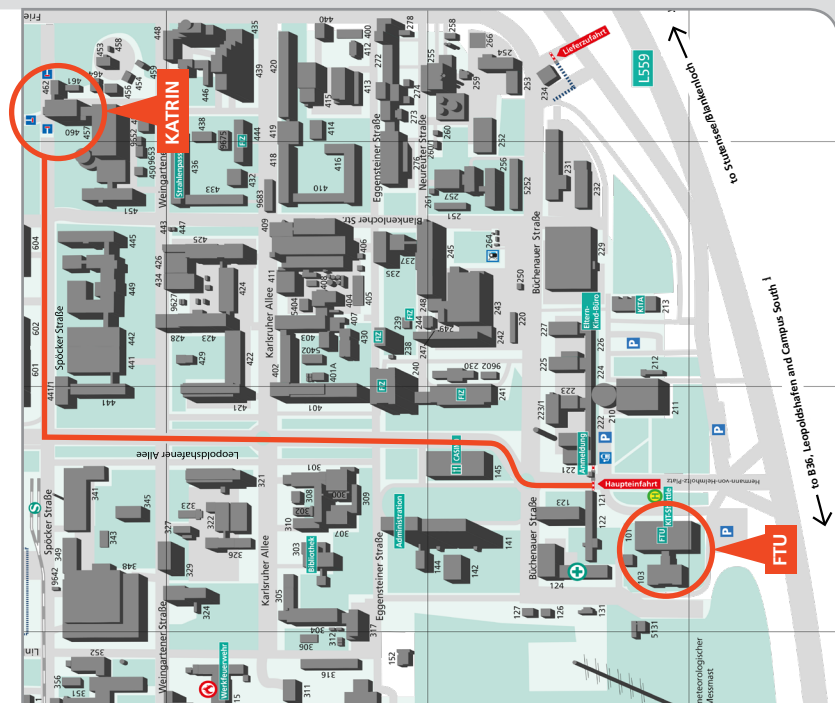


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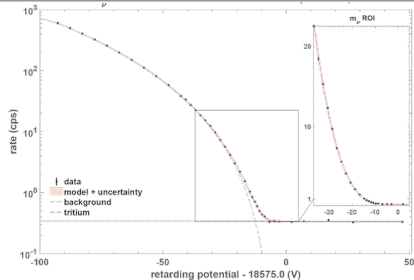
Colloquium

First Neutrino Mass Result from KATRIN

Monday, September 16, 2019

KIT Campus North, FTU

KIT & THE KATRIN COLLABORATION





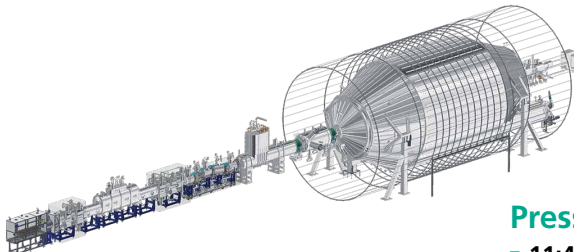
Colloquium

First Neutrino Mass Result from KATRIN

In spring 2019 we have put neutrinos, the cosmic light-weights, for the first time on the scales of the international Karlsruhe Tritium Neutrino Experiment KATRIN. In this scientific Colloquium we give an overview of the unique instrument, its first neutrino mass campaign with high-purity tritium, and the results obtained from the analysis of these first data.

Monday, September 16, 2019
at KIT, FTU (Bldg. 101)

Please register at
<https://indico.scc.kit.edu/event/617>



- 09:30 h **Get-Together and Coffee**
- 10:00 h **Welcome**
Marc Weber (KIT)
- 10:10 h **KATRIN Motivation –**
Neutrino Masses in Cosmology and Particle Physics
Christian Weinheimer (WWU Münster)
- 10:25 h **KATRIN experiment – Technologies at the cutting edge**
Guido Drexlin (KIT)
- 10:45 h **KATRIN experiment –**
Electron Spectroscopy at the Precision Frontier
Kathrin Valerius (KIT)
- 11:05 h **The 2019 KATRIN Neutrino Mass Campaign**
Susanne Mertens (MPP and TUM)
- 11:25 h **The first KATRIN Neutrino Mass Result**
Thierry Lasserre (CEA Saclay and TUM)
- 11:45 h **Common Discussion** (Fingerfood served, ends at 13:00 h)

Press Conference

■ 11:45-12.30

Guided Tours

KATRIN Hall (Bldg. 460)

■ 09:00-10.00

■ 13:00-14.30

Please register for the guided tours!

Important for external visitors:

If you want to visit the guided tours at KATRIN please register with date and place of birth and please bring your passport/ID-Card.