

Tritium Laboratory Karlsruhe

30 years

23rd May 2023
- ceremonial act
- guided tours
- barbecue

24th & 25th May 2023
- symposium on
tritium science &
technology (hybrid)

Visit iap.kit.edu/tlk for more information about programm and registration
Location: KIT, Campus North, FTU and TLK





Tritium Laboratory Karlsruhe

Invitation

We cordially invite you to the celebration of 30th anniversary of TLK on May 23rd, 2023 at KIT campus north.

The day starts with a ceremonial act at the FTU with highlights from the last 30 years, current challenges and our view of the future. In the afternoon, we show you, what has been achieved in guided lab tours. The day ends with a barbecue at the TLK where you can meet former, current and future colleagues, partners and collaborators.

Furthermore, on May 24th & 25th there will be a symposium on tritium science and technology. More information can be found further below.

As we prepare to make the final arrangements, please help us by registering until April 23rd, 2023 via indico (see links below). The event is free of charge for invited guests. Conference fee is only due for the symposium on May 24th & 25th.

We are looking forward to celebrate our anniversary with you.

Dr. Beate Bornschein, on behalf of the TLK

Further information on the programme, travel directions and hotels can be found on the indico page. In case you have any questions in advance please contact Magnus Schlösser via:

magnus.schloesser@kit.edu

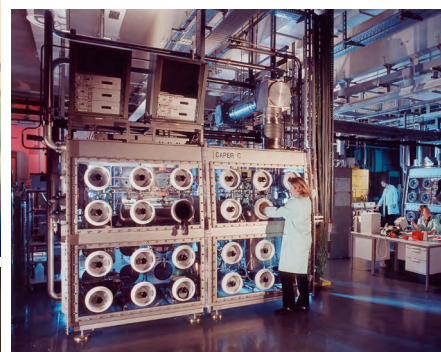
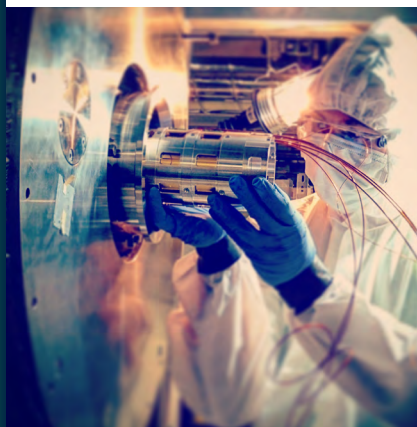
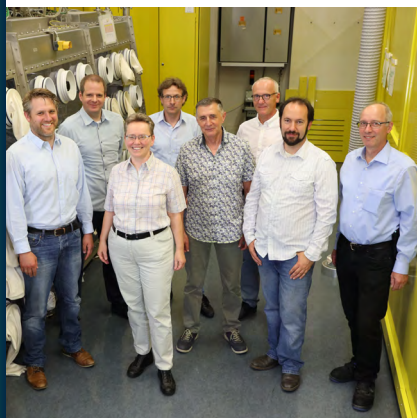
Indico:

<https://indico.scc.kit.edu/event/3511>

(celebration ceremony, 23.05.2023)

<https://indico.scc.kit.edu/event/3418/>

(symposium, 24. - 25.05.2023)





Ceremonial Act, 23.05.2023

FTU, Aula, B. 101

- 10:00 COFFEE AND GET-TOGETHER
- 10:30 WELCOME AND GREETINGS
Marc Weber (Head of Division 5, KIT), Oliver Kraft (Vice-President, KIT),
Klaus Hesch (Head of FUSION Programme, KIT)
- 10:45 30 YEARS OF TLK
Beate Bornschein – Head of TLK
- 11:05 CHALLENGES IN THE TRITIUM FUEL CYCLE FOR THE DEMO REACTOR
Thomas Giegerich - EUROfusion DEMO Tritium-Fuelling-Vacuum Lead Engineer
- 11:35 MEASUREMENT OF NEUTRINO MASS WITH TRITIUM BETA DECAY -
WHERE DO WE STAND, WHERE CAN WE GO
Susanne Mertens – KATRIN Co-Spokesperson
- 12:05 THE TRITIUM FUTURE
Magnus Schlösser – Deputy head of TLK
- 12:30 TRANSFER TO TLK ▶▶▶
- 13:00 LUNCH AT TLK
- 14:00 GUIDED TOURS AT TLK AND KATRIN AND COFFEE BREAK
- 16:00 BARBECUE

TLK, B. 451





Tritium Laboratory Karlsruhe

Symposium 24. - 25.05.23

SCOPE OF SYMPOSIUM

On May 24th & 25th, we hold a tritium science and technology symposium with invited talks and posters from a wide, international community involved in tritium activities. Emphasis is given to interdisciplinary discussions and networking in order to further extend collaboration with the TLK and among the participants.

TOPICS

- neutrino physics with tritium (incl. atomic tritium source technologies)
- tritium-material interactions
- fusion R&D on fuel cycle & blanket
- tritium processing experiences
- tritium analytics
- tritium in industry incl. fusion start-ups

In case you are interested to join, please register under <https://indico.scc.kit.edu/event/3418/>. The conference fee of 100 € covers meals, coffee breaks, a conference dinner and bus transfers between Karlsruhe inner city and the KIT campus north.

We encourage every participant to present his/her work in a poster - it doesn't need to be original work. We are organizing the event in hybrid format – thus everybody who wishes to attend it can do so, whether in person or online.

Further information on the travel directions and hotels can be found on the indico page.

Deadline for registration and poster abstracts: April, 23rd 2023

