

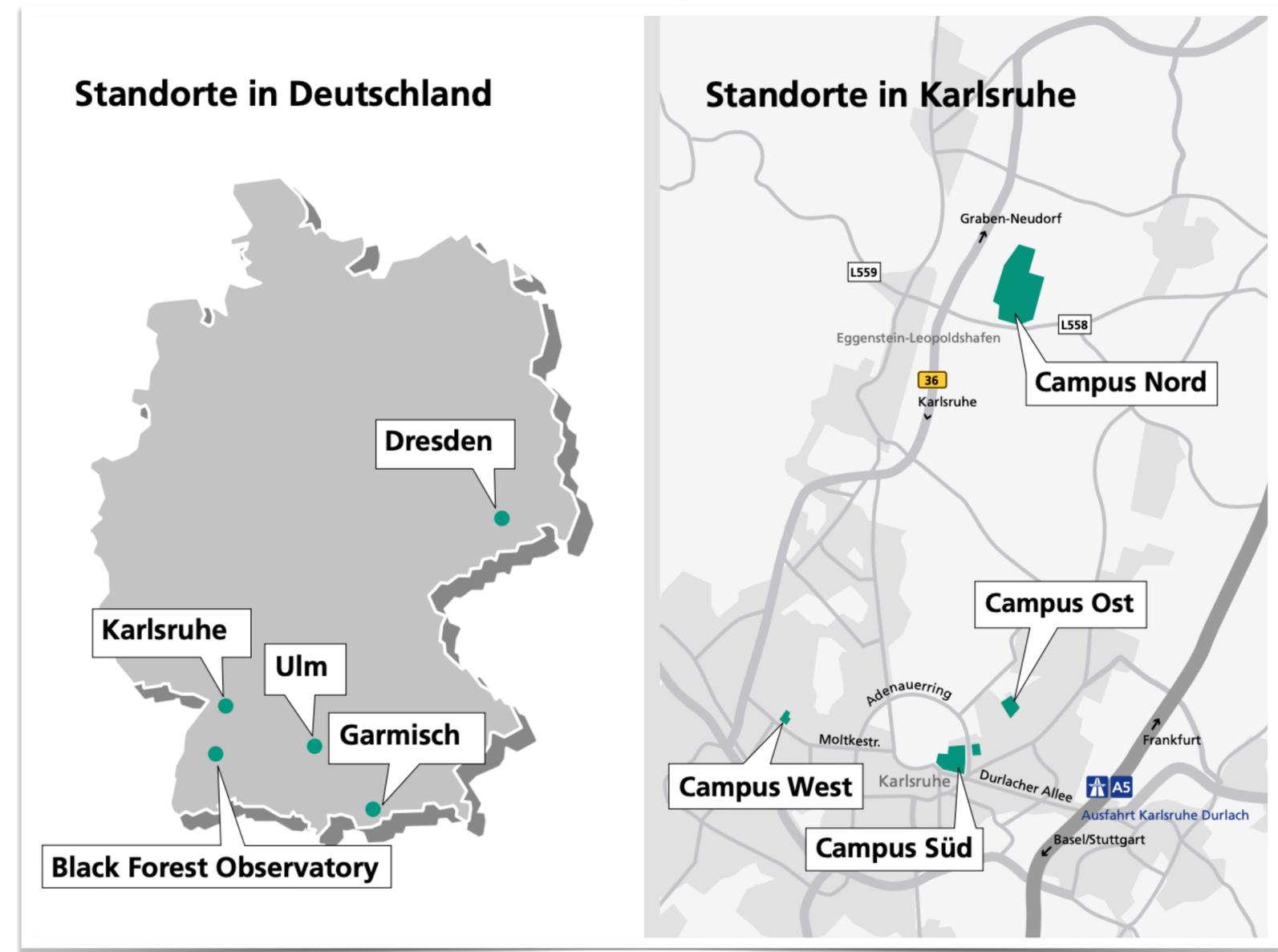
# Welcome to the Glühweinworkshop @ KIT 2024

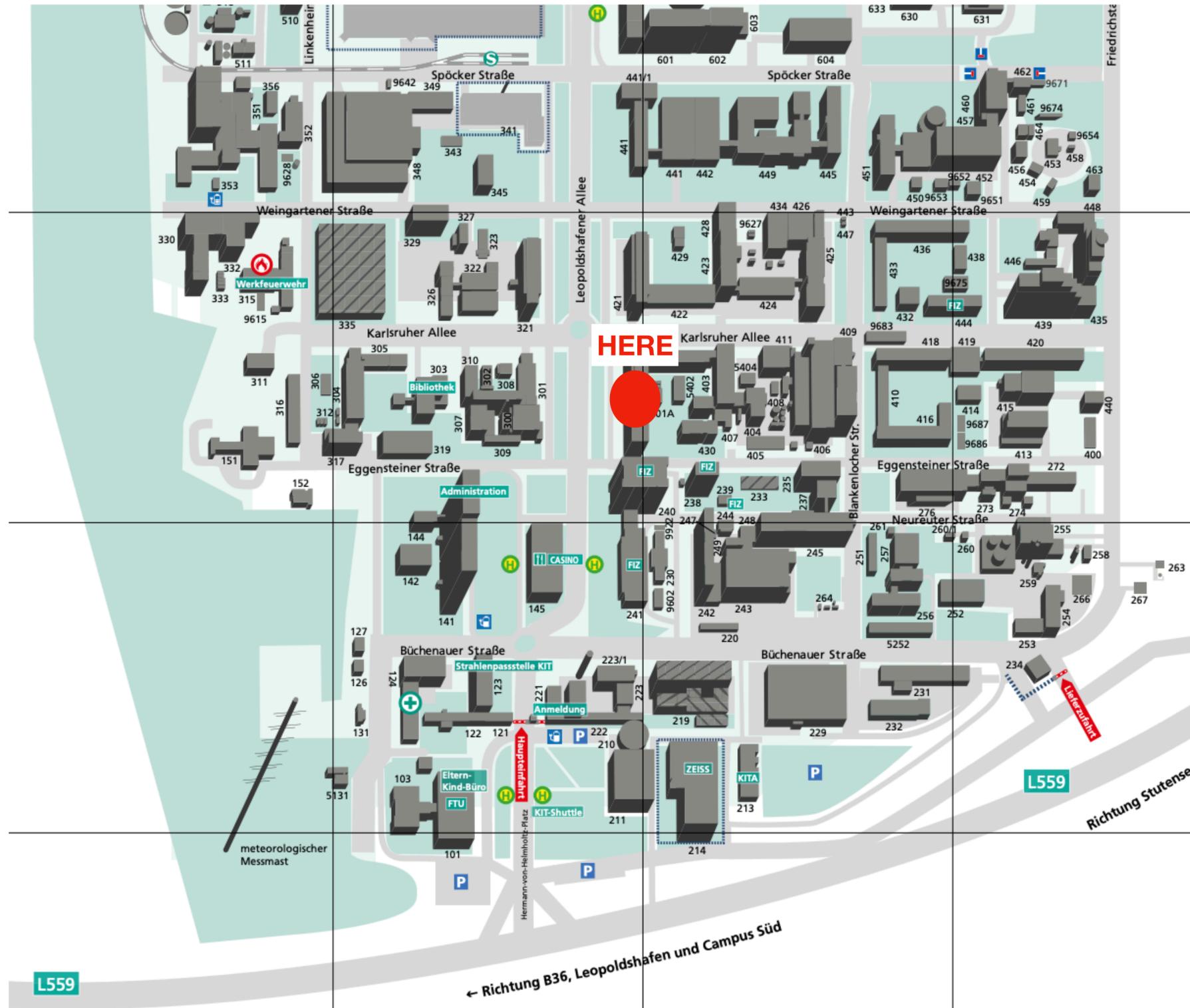
Markus ([markus.klute@kit.edu](mailto:markus.klute@kit.edu))  
Institute of Experimental Particle Physics (ETP)



# Schedule

- Indico <https://indico.scc.kit.edu/event/4744/>
  - Talks are scheduled for 20-30min + 20-10min discussion
- Monday (CN - B401)
  - Light lunch
  - Guided tours ~4:30pm
  - Glühwein
- Tuesday (CS - Gastdoz.)
  - Lunch in town
  - Dinner at the Kulturküche at 6pm
- Wednesday (CS - Gastdoz.)
  - Finish before lunch





## Guide Tours

- KATRIN Experiment
- GRIDKA
- FR2 (research reactor)



# Program Today

09:00	<b>Bus transfer</b>	09:00 - 09:30
	<b>Coffee</b>	09:30 - 10:00
10:00	<b>Welcome</b>	<i>Markus Klute</i> 10:00 - 10:20
	<b>Universal New Physics Latent Space</b>	<i>Tore von Schwartz</i> 10:20 - 11:00
11:00	<b>Anomaly detection with CMS</b>	<i>Chitrakshee Yede</i> 11:00 - 11:40
	<b>Coffee</b>	11:40 - 12:10
12:00	<b>Using machine learning to search for scalar lepton partners at the LHC</b>	<i>Patrick Stengel</i> 12:10 - 12:50
13:00	<b>Lunch</b>	

14:00		12:50 - 14:20
	<b>AIDO: A Software Package for the Optimization of Continuous and Discrete Detectorparameters using Surrogate Models</b>	<i>Kylian Schmidt</i> 14:20 - 15:00
15:00	<b>ML-enhanced optimal detector design with mutual information</b>	<i>Kinga Anna Wozniak</i> 15:00 - 15:40
	<b>Coffee</b>	15:40 - 16:10
16:00	<b>Guided tours</b>	16:10 - 18:00
17:00		
18:00	<b>Bus transfer</b>	18:00 - 18:30
	<b>Glühwein</b>	