

**Lunch Talk**

PSV II Mon 13:00 HSZ/0004

**Physics Meets Statistics: Advancing Data Analytics in Semiconductor Manufacturing** — ●SARAH FISCHBACH — Robert Bosch Semiconductor Manufacturing Dresden GmbH

After earning her Ph.D. in semiconductor physics, Sarah Fischbach transitioned to an industry career. In 2018, she joined the newly es-

tablished semiconductor plant of Bosch in Dresden, where she began developing concepts and methodologies for data analytics and exploring applications of machine learning. Since 2022, she has been responsible for analytics and digitalization within the technology department of the 300 mm wafer fab. In this session, she will discuss the exciting challenges the semiconductor industry presents to physicists and share insights on how machine learning can support production processes.