



# Münchener Physik- Kolloquium

Winter  
2022/23

## Bread and Butter Physics

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Monday, 6 February 2023, 17:15 h

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No new elementary particles have been discovered at the LHC since more than ten years. Does this imply, that collider physics becomes boring in the next decades? My clear answer is no! There are many open questions within the Standard Model which can only be addressed at the LHC in the coming years, potentially opening the door to new physics. Most prominent hints are the recent measurement of the W boson mass at the CDF Experiment as well as the long standing discrepancy of the anomalous magnetic dipole moment of the muon. In this talk, I will give a brief overview of selected and highly exciting results which are expected in the coming years, starting from the properties of the W boson, over the search for axion-like particles to smaller new experiments.

Das Münchener Physik-Kolloquium wird gefördert durch den Verein Freunde und Förderer der Physik an der TUM e. V.

