



Münchner Physik- Kolloquium

at home!
Winter
2020/21

Dieses Semester findet das Kolloquium online statt: <https://tum-conf.zoom.us/j/93234766313>

The adventure of microarcsecond astrometry from space: challenges, results and promises of Gaia

Prof. Dr. Sergei A. Klioner, *Lohrmann Observatory, TU Dresden*

Monday, 25 January 2021, 17:15 h

<https://tum-conf.zoom.us/j/93234766313> Meeting-ID: 932 3476 6313 Password: Kolloquium
Please install the software in advance.

ESA's space astrometry mission Gaia started its scientific operations in July 2014. Gaia has already delivered an immense dataset of high-accuracy positional and photometric observations which already led to three Data Releases containing high-accuracy data of over 1.8 billion sources. In this presentation I will briefly overview the principles and ideas of space astrometry with Gaia. I will review the challenges of Gaia data processing and highlight some recent results. I will also outline what we have to expect from Gaia in the next several years.

