

Program of the WE-Heraeus-Symposium  
“Measurements at the Limit”  
PTB campus Berlin, November 7<sup>th</sup> 2019

9:00	Welcome speech by Joachim Ullrich Welcome address by Stefan Jorda
9:15	High-precision atomic mass measurements Klaus Blaum
10:00	Next-generation multi-ion optical clocks Tanja Mehlstäubler
10:45	Coffee break
11:15	Measurements using ultracold atoms and molecules Wolfgang Ketterle
12:00	Ultrafast laser physics Ursula Keller
12:45	Lunch
14:15	How Planck's constant can be used to measure macroscopic mass Stephan Schlamming
15:00	Detection of the gravitational waves Stefanie Kroker
15:45	Coffee break
16:15	Peeking into the microscopic world through highest energy collisions Igor Ivanov
17:00	High-precision data about fundamental constants: What do we learn about Universe Christof Wetterich
17:45	Discussion