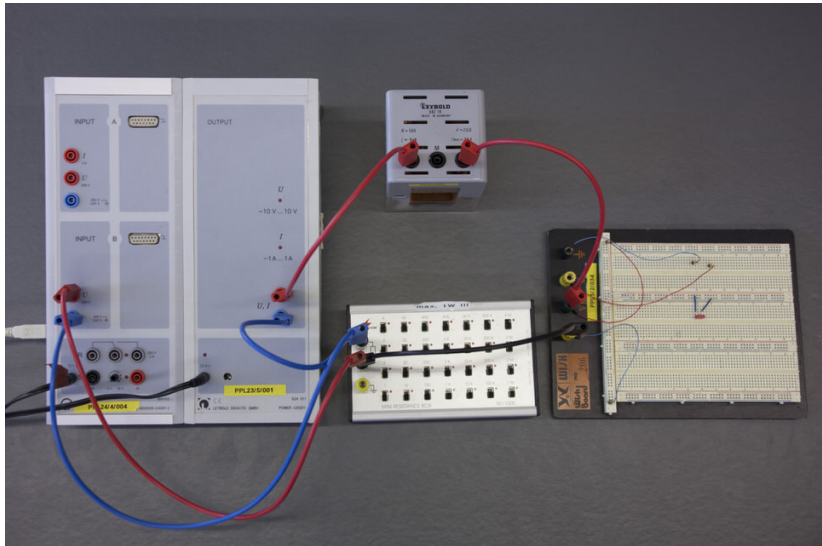
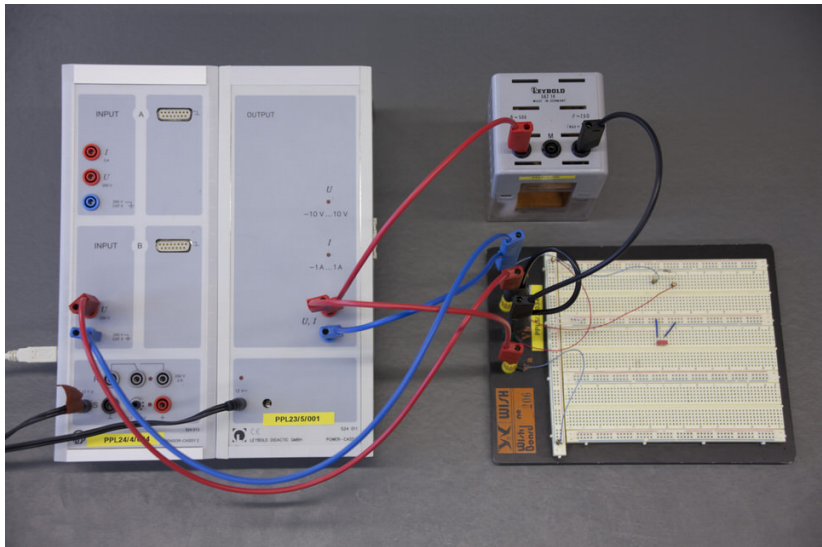


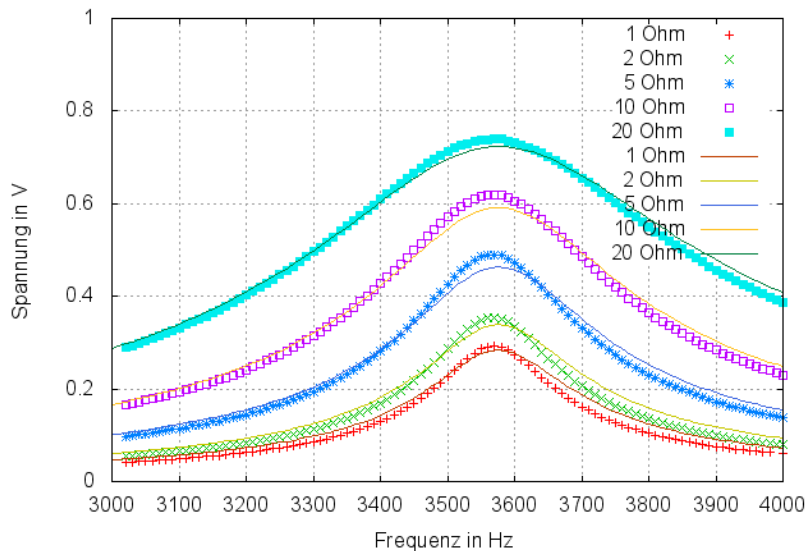
PP Gruppe 8

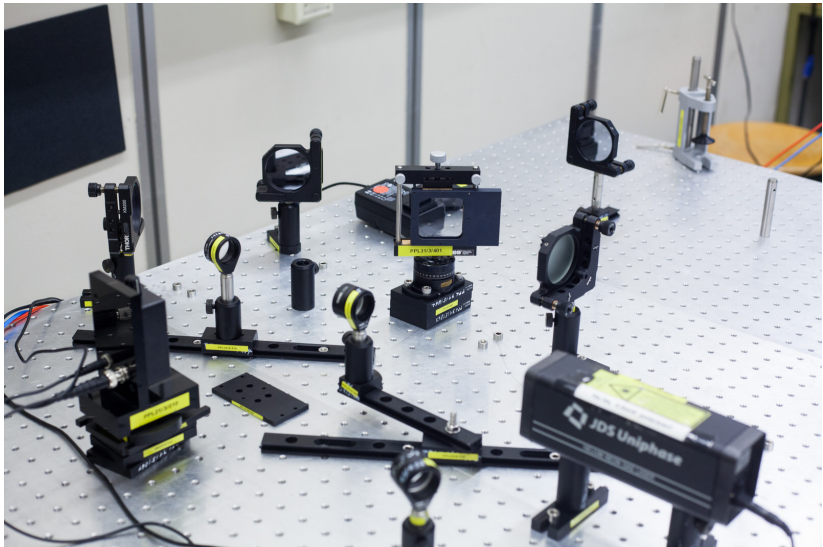
January 27, 2014

- 1 Frequenzfilter
- 2 Michelson-Interferometer
- 3 Pitot
- 4 Doppelpendel

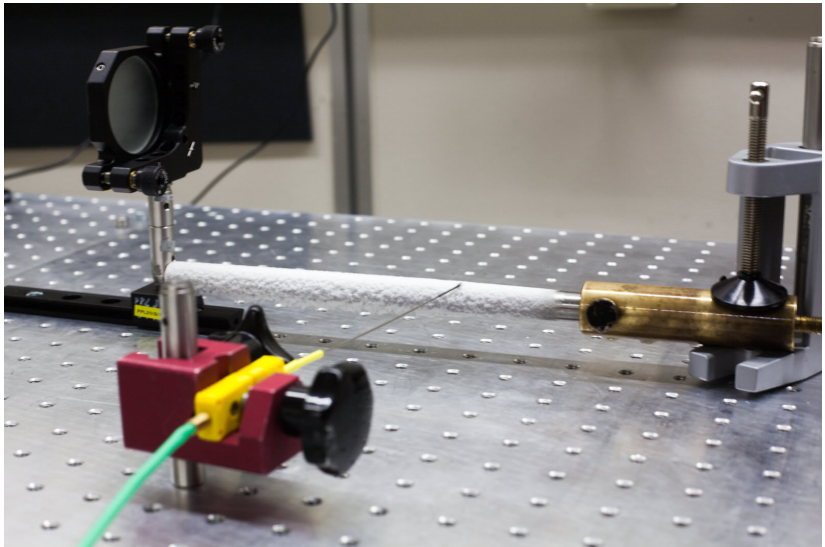


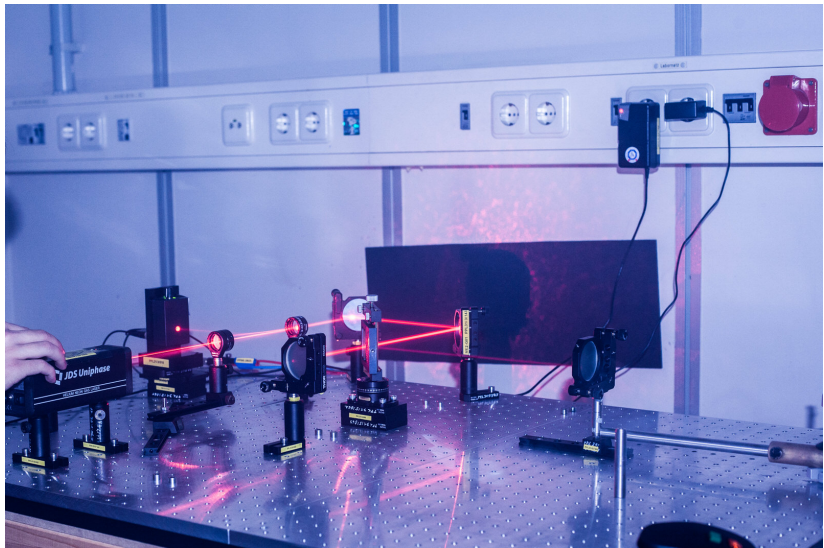


















Bestimmung der Bewegungsgleichungen mit Hilfe des Lagrangeformalismus

$$\frac{d}{dt} \frac{\partial L}{\partial \dot{q}_i} - \frac{\partial L}{\partial q_i} = 0 \quad (1)$$

$$L = \frac{m_1}{2} \cdot \dot{\vec{x}}_i^2 - m_i \cdot g \cdot z_i \quad (2)$$

