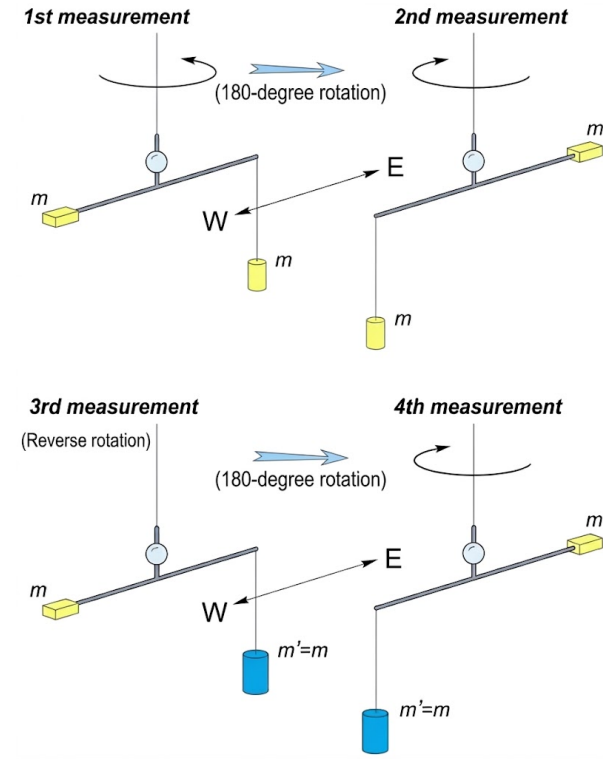


- Eötvös carried out his measurements between 1906 and 1909 testing the weak equivalence principle.
- 80 years later a correlation between the equivalence parameter and the baryon number-to-mass ratio were found in his results.
- That's what we want to explain.

## 2



- Four methods are compared.
- The two methods neglecting the change of the gradients give approximately  $-3.5 \cdot 10^{-9}$ .
- The two methods allowing changing gradients give approximately  $1.2 \cdot 10^{-8}$ .