
GR 1: General discussion

Time: Monday 10:30–11:25

Location: SPA Kapelle

GR 1.1 Mon 10:30 SPA Kapelle

Discussion about the "Compton Clock" — •CLAUS LÄMMERZAHL
— ZARM, Uni Bremen for the GR Section

Recently it has been suggested by S. Chu, A. Peters and H. Müller (see previous plenary talk, and Nature 463, 926 (2010)) that the Com-

ton frequency of an atom constitutes an ordinary clock, the "Compton clock" and that this clock can be used, e.g., for testing basic principles of General Relativity like the universality of the gravitational redshift. Based on an introductory statement by Domenico Giulini (Bremen and Hannover) a discussion aiming at better understanding of this concept will take place.