

DRAFT AGENDA

CODATA Task Group on Fundamental Constants

9:30 a.m. Monday, 7 October 2019

BIPM

1. Opening of the meeting and introductions
2. Review of the agenda
3. Review of the report of the Task Group meeting held on Saturday, 7 July 2018, LNE, Paris
4. The 2018 CODATA adjustment of the fundamental constants
 - a. Gravitational constant G
 - b. Fine-structure constant α
 - c. Finite nuclear size in regular hydrogen spectroscopy.
 - d. Relative atomic masses $A_r(X)$
 - e. Magnetic moment ratios
 - f. Magnetic moment of the free electron and muon
 - g. Bound-state g-factors for ground-state hydrogen-like C and Si
 - h. Rydberg constant R_∞ and the proton radius r_p :
 - Muonic systems
 - Hydrogen and deuterium energy levels
 - e-p scattering
 - i. Final Analysis
5. Publication of the CODATA 2018 Adjustment of the fundamental constants
6. Other topics – CCU agenda items:
 - a. Discussion on the definition of the term ‘unit’
 - b. Discussion on angles and dimensionless quantities
 - c. Discussion on the SI in the digital world
 - d. Discussion on the possible extension of the available range of SI prefixes
7. Other topics?
8. Task Group administration
 - a. Upcoming workshops to endorse
 - b. Membership
9. Date and location of the next Task Group meeting
10. Adjournment