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Atmospheric Chemistry and Physics Discussions

Interactive comment on "The atmospheric impacts of monoterpene ozonolysis on global stabilised Criegee intermediate budgets and SO_2 oxidation: experiment, theory and modelling" *by* Mike J. Newland et al.

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Please could the authors clarify why a value of 819 ($\pm$190) s^{-1} is being used for (CH3)2COO unimolecular reaction rate coefficient? The recent IUPAC task group on atmospheric chemical kinetic data evaluation's preferred value is 397 s^{-1} at 298 K. Is the authors' global modelling study affected if more accurate rate coefficients are used?

Interactive comment on Atmos. Chem. Phys. Discuss., https://doi.org/10.5194/acp-2017-1095, 2017.