

Magn. Reson. Discuss., referee comment RC2
<https://doi.org/10.5194/mr-2021-46-RC2>, 2021
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Comment on mr-2021-46

Anonymous Referee #2

Referee comment on "Rapid measurement of heteronuclear transverse relaxation rates using non-uniformly sampled $R_{1\rho}$ accordion experiments" by Sven Wernersson et al., Magn. Reson. Discuss., <https://doi.org/10.5194/mr-2021-46-RC2>, 2021

This is a rigorous assessment of NUS and accordion spectroscopy for measurement of $R_{1\rho}$ relaxation, following up on previous work by the authors on R_1 measurements. The experimental work is stellar and the manuscript well-written. The method should be adopted by researcher in the field in the future. My only question for the authors is whether the CPMG R_2 measurements were corrected for resonance offset effects (using R_1 measurements).