

Magn. Reson. Discuss., community comment CC3
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Reply on AC1

Tom Barbara

Community comment on "Radiation damping strongly perturbs remote resonances in the presence of homonuclear mixing" by Philippe Pelupessy, Magn. Reson. Discuss., <https://doi.org/10.5194/mr-2021-65-CC3>, 2022

Thanks for those comments Philippe. Shortly after I posted yesterday, I started to wonder about the angle ψ (A common experience that I think of something after I talk about it...). I am guessing this angle is the same as the angle "beta" used by Barjat et al in JMR for probe tuning effects. If so, then it would be useful to have some comments about probe tuning. And I guess I should go back and see how that effects my original equations.

I also want to make a comment about the "imaginary offset business". While it looks that way after the stereographic projection, one cannot "go back" and put such a thing into the Bloch equations. An imaginary offset there destroys the conservation of the magnitude of M .

Thanks again.