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'on the tuning of high resolution nmr probes

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February 21st, 2020 - magnetic resonance imaging mri and spectroscopy mrs with nuclei other than protons x nuclei often require the acquisition of proton signal for shimming and co registration procedures double tuned radio frequency dt rf coils improve these procedures avoiding the need for movement and repositioning of the subject during the examination the drawback of dt rf coils is basically the"simultaneous and interleaved acquisition of nmr signals

December 27th, 2019 - to examine the interleaving device s influence on snr and signal amplitude in nmr experiments as directly as possible several series of pulse acquire 1 h and 31 p spectra were pared 1 h only and 31 p only measurements were conducted without the interleaving device present and with the interleaving device connected but passive i e'

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'magnetic resonance butterfly coils design and application

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'interfacing the nmr probehead nmr probeheads for

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'cmos based q switch for low power pulsed¹⁴n quadruple

March 25th, 2020 - obviously increasing the quality factor of the coil is the solution to improve the snr however as one is necessarily dealing with a single transmit receive rf coil 5 one faces the problem of the ringing that follows the rf pulse this phenomenon which has an associated time

constant is known to increase with the quality factor in fact in any case a transient period is necessary for the "multichannel digital heteronuclear magnetic resonance
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