

The known ¹H NMR chemical shifts ...

... of diamagnetic compounds so far range from around $\delta=-60$ ppm to about +20 ppm. In their Communication on page 10884 ff., P. Hrobarik, M. Kaupp, et al. predict that, because of giant relativistic spin-orbit effects, the ¹H NMR shifts of the to-date elusive uranium(VI) hydride complexes will be between $\delta=+40$ ppm and more than +150 ppm, a completely unprecedented range. Knowing the correct spectral range to look for should facilitate the characterization of this new compound class.

