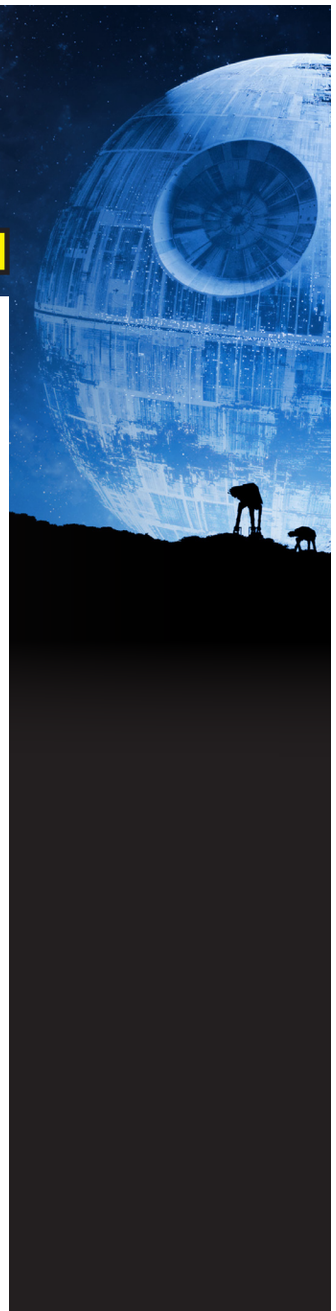
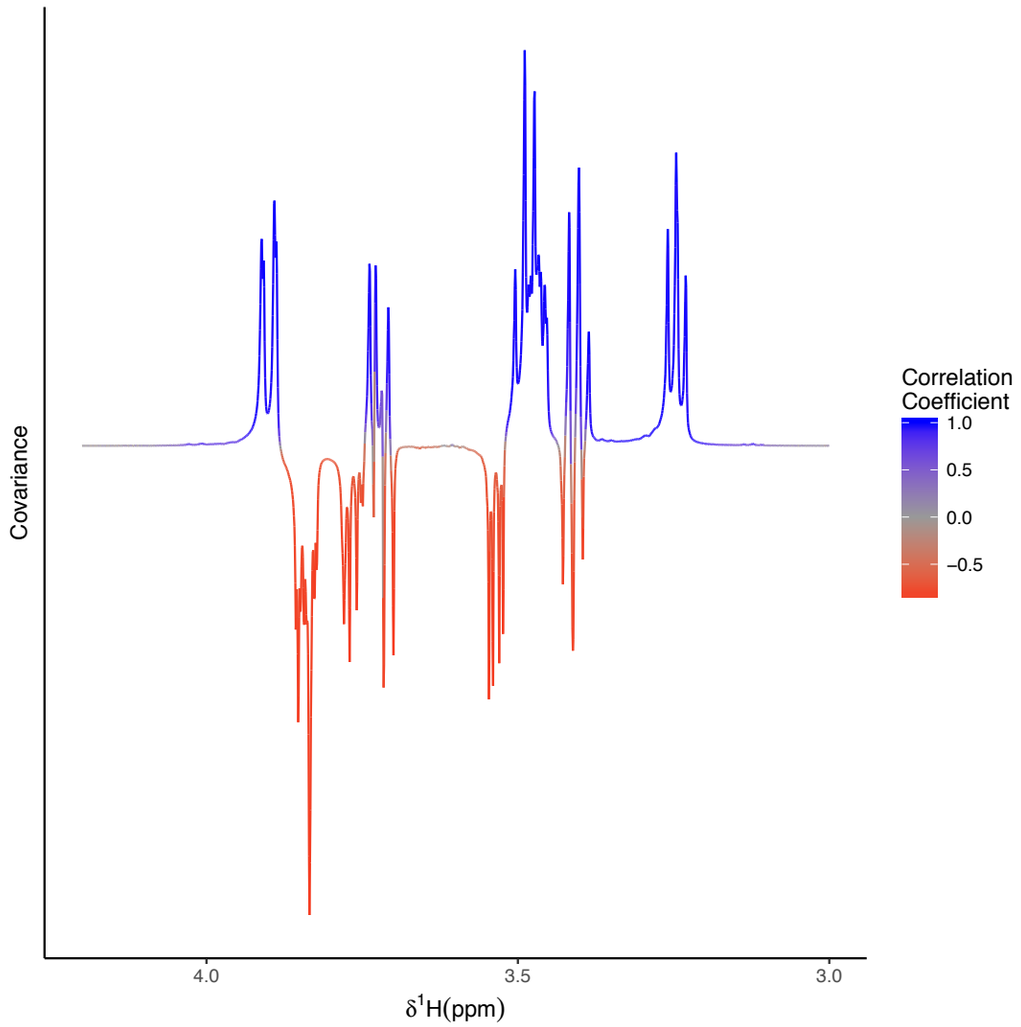
NMR WARS

SCIENCE

51





D-glucose in D_2O

Benjamin Albrecht, 2017

NMR Department | University of Cologne

Field strength: 600 MHz

Why is this your favorite spectrum?

This was my first spectrum in the series of learning more about methodologies borrowed from other fields of analytical chemistry, then adapting them for NMR studies monitoring reactions. I followed the anomerization reaction of α-D-glucose in D_2O by sequential acquisition of ^1H spectra, calculating correlations and projecting them on a co-variance spectrum, separating α- from β-glucose.