


Methods, IMC, Mülhaupt

<p>300 MHz NMR Spectrometer</p> <p><i>for liquid samples</i></p>	<p>Model: <i>Bruker Avance II, 300 MHz</i></p> <p>Unit and Room: <i>-1.012</i></p> <p>Responsible: <i>Ing. Alfred Hasenhindl, T:203 6255</i></p> <p>Further information: <i>http://portal.uni-freiburg.de/makro-chemie/zentrein/servicegroup/nmr</i></p>	
<p>Short Description:</p> <p>300 MHz Bruker NMR Spectrometer controlled by Avance console for double resonance experiments . It is used as routine Spectrometer for structure-identification of solved samples r</p>	<p>Picture of the Equipment</p> 	
<p>Available Experiments/Techniques:</p> <p>High resolution NMR-spectroscopy for one- and two-dimensional Experiments. Nucleus: 15 N to 1H, usual 1H, 13C, 29Si, 31P, 19F</p>		
<p>Special Equipment:</p> <p>Sample changer, Z-Gradient-equipment</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students</p> <p><input type="checkbox"/> Students after Introduction</p> <p><input type="checkbox"/> Students after extensive training</p> <p><input checked="" type="checkbox"/> Trained scientific service personal</p>	
<p>Recent Publications, where this instrument was important (optional): Give citation</p>	<p>J. Phys. Chem. B, 2006, 110 (32), pp 15680–15688</p> <p>Macromolecules, 2006, 39 (6), pp 2056–2062</p> <p>Macromolecules 2009, 42(15), 5684-5699.</p>	
<p>Typical problems that may be solved with this instrument:</p>	<p><i>Identification, structure-and cleanness-detection of samples</i></p>	