


*Methods, IAAC, Crossing*

<p><b>NMR spectroscopy</b></p>	<p>Model: Unit and Room: Responsible: Further information:</p>	<p><i>Bruker DPX200 Inorg. Chemistry, 2. floor, R235 Dr. Harald Scherer, 203-6160/6139 <a href="http://portal.uni-freiburg.de/magres">http://portal.uni-freiburg.de/magres</a></i></p>
<p>Short Description:</p> <p>200 MHz NMR spectrometer with NB magnet, DPX console, two frequency channels, 5 mm QNP probehead (2H, 1H, 19F, 31P, 13C).</p>	<p>Picture of the Equipment</p> 	
<p>Available Experiments/Techniques:</p> <p>high resolution 1D 1H-, 19F-, 31P- and 13C- NMR standard experiments and multipulse sequences, 2D 1H- or 19F- COSY and NOESY, 1H,13C correlations.</p>		
<p>Special Equipment:</p> <p>Bruker six pack sample changer</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students  <input checked="" type="checkbox"/> Students after Introduction  <input checked="" type="checkbox"/> Students after extensive training  <input checked="" type="checkbox"/> Trained scientific service personal</p>	
<p>Recent Publications, where this instrument was important (optional): Give citation</p>	<p><i>Zeitschrift für Anorganische und Allgemeine Chemie (2009), 635(13-14), 2279-2287.</i></p>	
<p>Typical problems that may be solved with this instrument:</p>	<p><i>- routine NMR and reaction control for available nuclei.  - structural investigations in solution  - chemical exchange and dynamics in solution on the NMR time scale</i></p>	