


Methods, IPH, Müllerr

NMR spectroscopy	Model: Unit and Room: Responsible: Further information:	<i>Bruker Avance DRX 400 Pharmaceutical Chemistry, 02.050 A Volker Brecht</i>
Short Description: NMR spectrometer with autosampler including BBO (broad band observe) 5mm with Z-gradient (Standard) and TXI , 1.7 mm with Z-gradient (on request).	Picture of the Equipment 	
Available Experiments/Techniques: Standard 1D, 2D techniques, Heteronuclear measurements, Selective experiments including all decoupling techniques and multipulse sequences		
Special Equipment: Variable temperature unit (253-393 K)		
Measurements on the equipment are currently done by:	<input type="checkbox"/> Students <input type="checkbox"/> Students after Introduction <input type="checkbox"/> Students after extensive training <input checked="" type="checkbox"/> Trained scientific service personal	
Recent Publications, where this instrument was important (optional): Give citation	1- Journal of Mass Spectrometry 2009, 44, 832-837. 2- PNAS 2009, 106, 8877-8882.	
Typical problems that may be solved with this instrument:	<i>- Structural elucidation of biological compounds - Quantitative determinations and following the reaction mechanism - Elucidation of the reaction kinetics.</i>	