


Methods, IAAC, Hillebrecht

<h2 style="text-align: center;">Fluorescence Spectroscopy</h2>	<p>Model:</p> <p>Unit and Room:</p> <p>Responsible:</p> <p>Further information:</p>	<p><i>Perkin Elmer LS55 Luminiscence Spectrometer</i></p> <p><i>Inorg. Chem., R. -134 (Chem. II)</i></p> <p><i>Dr. Thilo Ludwig</i></p>
<p>Short Description:</p> <p>Perkin-Elmer LS55 fluorescence spectrometer equipped with a Xe discharge lamp (equivalent to 20 kW for 8 μs duration) and a gated photomultiplier with modified S5 response</p>	<p>Picture of the Equipment</p> 	
<p>Available Experiments/Techniques:</p> <p>Absorption and luminiscence spectra measurements, measurement range 200-800nm, spectral bandwidth 2.5-20nm</p>		
<p>Special Equipment:</p> <p>Sample holder for solid samples</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 type="checkbox"/> Trained scientific service personal</p>	
<p>Recent Publications, where this instrument was important (optional): Give citation</p>	<p>K. Kazmierczak and H. Höpfe, Eur. J. Inorg. Chem., 11 (2010)</p>	
<p>Typical problems that may be solved with this instrument:</p>	<p><i>Characterisation of optic transitions (Excitation, fluorescence, phosphorescence)</i></p>	