


Methods, IAAC, Röhr / Kurz

<p style="text-align: center;">Electron spectroscopy</p> <p style="text-align: center;"><i>UV/VIS/NIR spectroscopy</i></p>	<p>Model: <i>Jasco V570</i> Unit and Room: <i>Inorganic Chemistry, room 136</i> Responsible: <i>U. Sachs, AK Kurz</i> Further information:</p>	
<p>Short Description:</p> <p>Scan area from 190-2500 nm Absorption or Transmission mode 3 different response modes Scanning speed from 10 - 1000 nm/min resolution 0.025nm - 2.0 nm multi cycle measurements</p>	<p style="text-align: center;">Picture of the Equipment</p> 	
<p>Available Experiments/Techniques:</p> <p>Spectrum Measurement Quantitative Analysis Fixed Wavelength Measurement Time Course Measurement</p>		
<p>Special Equipment:</p> <p>inert atmosphere measurements possible, cuvettes with septum or for glove box use; thermostat connectable for temperature controlled measurements, ranging from 5° to 60 °C.</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students <input checked="" type="checkbox"/> Students after Introduction <input type="checkbox"/> Students after extensive training <input type="checkbox"/> Trained scientific service personal</p>	
<p>Recent Publications, where this instrument was important (optional):</p>	<p>G. Steinfeld, B. Kersting, ZAAC 2009, 635, 260-264; G. Steinfeld, V. Lozan, B. Kersting, Angew. Chem. 2003, 42, 2261-2263.</p>	
<p>Typical problems that may be solved with this instrument:</p>	<p><i>determination of coordination numbers, geometry and environment of metal complexes, absorption maxima and intensities</i></p>	