

Methods, FMF, Fiederle

<p style="text-align: center;"><b>PICTS</b></p> <p style="text-align: center;"><i>Photo Induced Current Transient Spectroscopy</i></p>	<p>Model: <i>FMF model</i>          Unit and Room: <i>FMF, 3rd floor, R. 03006</i>          Responsible: <i>Dr. M. Fiederle, 203 4775</i>          Further information: <i>www.fmf.uni-freiburg.de/service/servicegruppen/sg_matchar/chat/</i></p>	
<p>Short Description:</p> <p>Measurements of cross section and energy levels of deep levels</p>	<p style="text-align: center;">Picture of the Equipment</p>	
<p>Available Experiments/Techniques:</p> <p>Excitation via LED followed by heating up the sample          Recording of transients and identification of deep levels by box car method</p>		
<p>Special Equipment:</p> <p>Temperature controlling (77 K up to 350 K)          LEDs with different wave lengths</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students  <input 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>Typical problems that may be solved with this instrument:</p>	<ul style="list-style-type: none"> <li>- <i>Measurements of resistivity, charge carrier concentration and charge carrier mobility</i></li> <li>- <i>Identification of impurities and defects</i></li> </ul>	