

Application Form of SAXS, Center of Precious Instruments in NTUST

Instrument	Small Angle X-ray Scattering System, SAXS		
User Name		Department	
E-mail		TEL	
User booking Time		Professor's Signature	
<p>(1)Sorts and Names:</p> <p>(2)Types: <input type="checkbox"/> solids <input type="checkbox"/> powders <input type="checkbox"/> thin films <input type="checkbox"/> others :</p> <p>(4)measure methods: <input type="checkbox"/>SAXS ($2\theta = 0.07 \sim 2.2$ degrees) <input type="checkbox"/>MAXS ($2\theta = 0.2 \sim 6.7$ degrees) <input type="checkbox"/>WAXS ($2\theta = 3 \sim 68$ degrees)</p> <p>(5)measure mode : transmission mode</p> <p>(6)X-ray intensity : high flux(HF)</p> <p>(7)exposure time : <input type="checkbox"/>40 min <input type="checkbox"/>60 min <input type="checkbox"/>120 min <input type="checkbox"/>set up by operator</p> <p>(8)measure temperature : room temp</p> <p>(9)measure pressure : under vacuum</p> <p>(10)other experimental conditions : (You can state them in other space)</p>			
Signature of instrument Professor		Signature of instrument manager	
procedure	<p>1.Fill the application form and send to us before measure day 7 days</p> <p>2. Send samples to confirm before measure 3 days s</p>		
<p>Note: ©Samples restriction (Note: Operating time is for 4 hours only; it is also counted as 4 hours as long as measuring more than 3 hours)</p> <p>1、The size of solid samples or thin films: Length: 3 to 5 cm; Width: 0.5 to 1 cm; Thickness: less than 1 to 2 mm</p> <p>2、Amounts for power samples: 0.5 to 1 cm³ at least (quartz glass capillary is charged or prepared by oneself)</p> <p>3、Non-poison, Non(Low) volatility, Non-radiative</p> <p>4、The transmittance more than 10% is required for samples on substrate. Si wafer and quartz glass which thickness are less than 0.1 mm is suggested to use.</p> <p>©Use CD to save data files (saxs file is about 3MB , waxs file is about 20MB)</p> <p>©Please link http://mail.ntust.edu.tw/~HUANGYJ/pic.htm for further detail.</p>			