

**2nd Meeting on Future XFEL optics:  
„Damage threshold of Mirrors and Multilayers”**

**Date: 23.-24. November 2006**

**Location: Institute of Physics, Czech Academy of Sciences (Prague),  
(Na Slovance 2, 182 21 Prague 8)**

**Organisers: K. Tiedtke, H. Wabnitz**

Thursday 23. November

<b>09:00</b>	<b>Objectives of Meeting</b>	<b>K. Tiedtke/ H. Wabnitz</b>
<b>09:20</b>	<b>0.05 <math>\mu</math>rad Accuracy Metrology for the Inspection of FEL-Optics</b>	<b>F. Siewert</b>
<b>09:50</b>	<b>FLASH-induced damage to various optical materials</b>	<b>R. Sobierasjki</b>
<b>10:20</b>	<b>Influence of Pulse Energy and Duration, Wavelength and Incidence Angle on XUV/X-ray Damage Phenomena</b>	<b>L. Juha</b>
10:50	Coffee break	
<b>11:10 - 13:00</b>	<b>Open discussion</b>	
13:00	Lunch break	
<b>14:00</b>	<b>4GLS Interests in Optics</b>	<b>A. Gleeson</b>
<b>14:20</b>	<b>Current Status of Development of XFEL Optics in Japan</b>	<b>M. Yabashi</b>

<b>14:40</b>	<b>PMMA-Ablation for Characterization of focused XUV radiation beams</b>	<b>J. Chalupsky</b>
<b>15:00</b>	<b>Multilayer Fabrication at FOM</b>	<b>F. Bjierkerk</b>
<b>15:20</b>	<b>Theoretical Approach to estimate Damage in FEL irradiated Samples</b>	<b>B. Ziaja</b>
15:50	Coffee break	
<b>16:10</b>	<b>Final discussion</b>	

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Friday 24. November

**09:00**      **Visit of Prague Asterix Laser System (PALS)**  
**-12:00**

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