	Tuesday 10.4.	Wednesday 11.4.2012	Thursday 12.4.2012	Friday, 13.4.2012
09.^{00} – 09.^{45}		Theory of the FEL: classical and quantum aspects *(W. Schleich)*	FEL Theory for pedestrians II *(P. Schmüser)*	Imaging of single molecules and protein crystals *(H. Chapman)*
09.^{45} – 10.^{30}		Overview THz FELs *(A.F.G. van der Meer)*	Overview X-ray FELs *(J.R. Schneider)*	Warm dense matter at X-ray FELs *(S. Toleikis)*
10.^{30} – 11.^{00}		*Coffee break*	*Coffee break*	*Coffee break*
11.^{00} – 11.^{45}		THz FEL experiments on clusters and molecules *(G. Meijer)*	X-ray FEL experiments on clusters *(T. Möller)*	Magnetization-dynamics studied with X-ray FELs *(Th. Rasing)*
11.^{45} – 12.^{30}		Quantum dots in the THz light of FELs *(L. Wilson)*	Atomic and molecular physics at FELs *(M. Vrakking)*	Science opportunities using high power Petawatt laser at the European X-ray FEL *(T. Cowan)*
12.^{30} – 14.^{00}		*Lunch*	*Lunch*	*Lunch*
14.^{00} – 14.^{45}		Semiconductors in high THz fields *(S. Winnerl)*	Complex materials *(M. Först)*	*End of seminar, Departure*
14.^{45} – 15.^{30}		THz Coherent control *(B.N. Murdin)*	Soft and Hard X-ray FEL radiation in Chemical Research *(S. Techert)*	**Erläuterungen** Das Seminar gliedert sich in verschiedene thematische Blöcke (Topics): - Fundamentals and Facilities (Mittwochvormittag / Donnerstagvormittag) - Applications of THz FELs (Mittwochvormittag / Mittwochnachmittag) - Applications of XUV and X-ray FELs (Donnerstagvormittag / Donnerstagnachmittag und Freitagvormittag) Am Abend des ersten Seminartages (Mittwoch) und Nachmittag des zweiten Seminartages (Donnerstag) findet nach der Kaffeepause eine Postersession statt.
15.^{30} – 16.^{00}		*Coffee break*	*Coffee break*	
16.^{00} – 16.^{45}		Near-field infrared microscopy *(L. M. Eng)*	**Poster session**	
16.^{45} – 17.^{30}	Arrival, welcome	FEL Theory for pedestrians I *(P. Schmüser)*		
18.^{00} – 20.^{00}	*Dinner*	*Dinner*	*Dinner*	
20.^{00} -	*Get together*	*Social evening*	*Best-Poster Award*	