

Materials List for:

Direct Imaging of Laser-driven Ultrafast Molecular Rotation

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Materials

Name	Company	Catalog Number	Comments
CMOS camera	Toshiba TELI	BU-238M-ES	equipped with SONY IMX174 sensor
High voltage switch	Behlke	HTS-41-03-GSM	
High voltage switch	Behlke	HTS-80-03	
Digital delay generator	Stanford research systems	DG535	
Digital delay generator	Stanford research systems	DG645	
Microchannel plate	Photonis	3075	
Pulsed valve	LAMID LTD	Even-Lavie valve	High repetition, room temperature model
Molecular beam skimmers	Institute for Molecular Science	13C11	3 and 1.5 mm center hole, 25 degrees full inner angle, and ~50 mm length
Optical Comparator	Nikon	V-24B	
DPSS laser	Lighthouse Photonics	Sprout	
Femtosecond Ti:Sapphire oscillator	KMLabs	Halcyon	
Femtosecond Ti:Sapphire amplifier	Quantronix	Odin-II HE	
Motorized linear stage	Sigma Koki	KST(GS)-100X	
Manual X-stage	Sigma Koki	TSD-601S	
High resolution mirror mount	Newport	Suprema SX100-F2KN-254	
High resolution mirror mount	LIOP-TEC GmbH	SR100-100R-2-HS	
Polarization checker	Paradigm Devices, Inc.	O-tool VIS	
Instrument communication interface	National Instruments	NI-MAX	
Graphical development environment for measurement programs	National Instruments	LabVIEW 2014	
Laser line dielectric mirror	CVI/LEO	TLM2-400/800-45UNP	
Laser line dielectric mirror	Altechna	Low GDD Ultrafast mirror	
Laser line dielectric mirror	Altechna	Low GDD Ultrafast mirror	
Femtosecond polarizer	Advanced Thin Films	PBS-GVD	