

# X-ray Thomson scattering in high energy density plasmas

Reviews of Modern Physics

81, 1625-1663

DOI: [10.1103/revmodphys.81.1625](https://doi.org/10.1103/revmodphys.81.1625)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Evolution of elastic x-ray scattering in laser-shocked warm dense lithium. <i>Physical Review E</i> , 2009, 80, 066406.	0.8	15
2	Soft x-ray Thomson scattering in warm dense hydrogen at FLASH. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
3	Measurements of Ionic Structure in Shock Compressed Lithium Hydride from Ultrafast X-Ray Thomson Scattering. <i>Physical Review Letters</i> , 2009, 103, 245004.	2.9	51
4	Measurement of the dynamic response of compressed hydrogen by inelastic X-ray scattering. <i>Journal of Physics: Conference Series</i> , 2010, 244, 042014.	0.3	4
5	A compact soft X-ray spectrograph combining high efficiency and resolution. <i>Journal of Instrumentation</i> , 2010, 5, P02004-P02004.	0.5	24
6	X-ray Thomson scattering for measuring dense beryllium plasma collisionality. <i>Journal of Physics: Conference Series</i> , 2010, 244, 032044.	0.3	4
7	First-order liquid-liquid phase transition in dense hydrogen. <i>Physical Review B</i> , 2010, 82, .	1.1	121
8	Static ion structure factor for dense plasmas: Semi-classical and ab initio calculations. <i>High Energy Density Physics</i> , 2010, 6, 305-310.	0.4	8
9	Magnetization of a quantum plasma by photons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 1749-1750.	0.9	24
10	Progress in the Theory of Dense Strongly Coupled Plasmas. <i>Contributions To Plasma Physics</i> , 2010, 50, 970-985.	0.5	39
11	Imaging scattered x-ray radiation for measurement of local electron density in high-energy-density experiments. <i>High Energy Density Physics</i> , 2010, 6, 194-199.	0.4	7
12	Real-space finite-difference calculations of XANES spectra along the aluminum Hugoniot from molecular dynamics simulations. <i>High Energy Density Physics</i> , 2010, 6, 357-364.	0.4	10
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15	Influence of local-field corrections on Thomson scattering in collision-dominated two-component plasmas. <i>Physical Review E</i> , 2010, 81, 026405.	0.8	73
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18	Plasmons in Strongly Coupled Shock-Compressed Matter. <i>Physical Review Letters</i> , 2010, 105, 075003.	2.9	73

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20	Observation of Ultrafast Nonequilibrium Collective Dynamics in Warm Dense Hydrogen. <i>Physical Review Letters</i> , 2010, 104, 125002.	2.9	101
21	X-ray radiography and scattering diagnosis of dense shock-compressed matter. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	33
22	A requirement for diagnosis of the ionization state in opacity measurements. <i>Physics of Plasmas</i> , 2010, 17, 052705.	0.7	1
23	Compton Sources of Electromagnetic Radiation. <i>Reviews of Accelerator Science and Technology</i> , 2010, 03, 147-163.	0.5	77
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56	Nonlinear plasma waves and wavebreaking in quantum plasmas. Europhysics Letters, 2011, 95, 55003.	0.7	11
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