

Supplemental Material: New Measurement of Compton Scattering from the Deuteron and an Improved Extraction of the Neutron Electromagnetic Polarizabilities

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TABLE I. Measured cross sections for Deuteron Compton scattering. The first uncertainty is the statistical uncertainty and the second is the point-to-point systematic uncertainty. The last column shows the correlated uncertainties for each run period.

Run Period	E_γ (MeV)	θ_{Lab} (deg)	$d\sigma/d\Omega$ (nb/sr)	$d\sigma/d\Omega_{\text{corr}}$		
1	69.6	60	$15.7 \pm 2.6 \pm 1.2$	5.2%		
	69.6	120	$12.3 \pm 2.1 \pm 1.0$			
	77.8	60	$14.7 \pm 2.0 \pm 1.1$			
	77.8	120	$14.9 \pm 1.3 \pm 0.7$			
	77.8	150	$18.4 \pm 2.5 \pm 1.6$			
	86.1	60	$11.9 \pm 1.4 \pm 0.6$			
	86.1	120	$15.6 \pm 1.4 \pm 0.7$			
	86.1	150	$15.7 \pm 2.3 \pm 1.0$			
	93.7	60	$8.1 \pm 1.2 \pm 0.5$			
	93.7	120	$16.0 \pm 1.3 \pm 0.8$			
	93.7	150	$13.7 \pm 2.2 \pm 1.6$			
	2	85.8	60		$13.8 \pm 1.7 \pm 1.6$	4.7%
		85.8	120		$13.5 \pm 1.0 \pm 1.3$	
		85.8	150		$16.8 \pm 2.1 \pm 0.8$	
94.8		60	$15.4 \pm 1.5 \pm 1.4$			
94.8		120	$14.1 \pm 0.8 \pm 0.8$			
94.8		150	$15.1 \pm 1.7 \pm 0.7$			
103.8		60	$11.9 \pm 1.1 \pm 0.6$			
103.8		120	$11.8 \pm 0.7 \pm 0.6$			
103.8		150	$15.7 \pm 1.6 \pm 0.9$			
112.1		60	$8.8 \pm 1.0 \pm 0.4$			
112.1		120	$9.8 \pm 0.7 \pm 0.5$			
112.1		150	$13.0 \pm 1.5 \pm 0.6$			