Table 6. Typical systematic uncertainties.

SOURCE	UNCERTAINTY $\pm$	$\Delta\sigma$ $\pm\%$	$\Delta(\sigma^a/\sigma^d)$ $\pm\%$
Absolute Beam Energy	$< 0.10\%$	$< 0.1 - 0.5$	-
Fluctuations in Beam Energy	0.10%	0.1-0.5	0.1-0.5
Beam angle	0.2mr	0.3-1.5	0.2-1.0
Beam current (fluctuations)	0.2%	0.2	0.1
Scattered Energy	0.05%	0.1	0.1
Spectrometer Angle	0.04mr	0.1	-
Acceptance vs. p	0.1%	0.1	-
Acceptance vs. θ (long targets)	$< 0.3\%$	< 0.3	0.1
Detector effeciency	0.1%	0.1	-
e^+/e^- background	0.2%	0.2%	-
neutron excess (gold)	$< 0.7\%$		<0.7
TOTAL POINT-TO-POINT SYSTEMATIC		0.6-1.7	0.3-1.3
Radiative corrections	1.0%	1.0	0.5
Beam current (absolute)	0.5%	0.5	-
Target Length deuterium	0.9%	0.9	0.9
solid targets	0.5-2.3%	0.5-2.3	0.5-2.3
Acceptance	2.0%	2.0	-
TOTAL ABSOLUTE ERRORS		2.5-4.2	1.0-2.5