

# Total Cross Sections

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\*\*\* gamma + neutron >> pi- + proton \*\*\*

all parameters are on default values

W = 1750.000 (MeV)

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Maid2007: disp = 2, e.m. form factors: mode = 7, gauge = 2

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\*\*\* 5 total cross sections: sigT, sigL, sigLT, sigLT', sigTT' \*\*\*

sigT=1/2(sig\_1/2 + sig\_3/2), sigTT'=1/2(sig\_3/2 - sig\_1/2)

sigL0=sigL\*(wcm/Q)\*\*2, sigLT0=sigLT\*(wcm/Q), sigLT0'=sigLT'\*(wcm/Q)

Q <sup>2</sup> (GeV/c) <sup>2</sup>	w(lab) (MeV)	sigT (mcb)	sigL (mcb)	sigLT (mcb)	sigLT' (mcb)	sigTT' (mcb)	sigL0 (mcb)	sigLT0 (mcb)	sigLT0' (mcb)
.900	1638.9	3.93	3.19	.24	-.21	2.04	.48	.09	-.08
1.000	1692.1	3.25	2.81	.20	-.21	1.63	.32	.07	-.07
1.100	1745.3	2.69	2.48	.16	-.21	1.28	.22	.05	-.06
1.200	1798.6	2.22	2.18	.13	-.21	1.00	.14	.03	-.05
1.300	1851.8	1.84	1.91	.11	-.20	.77	.09	.02	-.04