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# Sabine Jeschonnek, J.W.V.Orden, W.P.Ford (JVO WJC2) theoretical cross sections and reduced cross sections as a function of missing momentum
#
# theta_nq = 35 (deg)
#
# header definitions
#
# pm_bin          : missig momentum bin center (GeV/c) (bin width from center is +/- 0.02 GeV)
# pm_avg          : average missing momentum over pm_bin (GeV/c)
# theory_pwbaXsec : theoretical cross section using the JVO WJC2 PWBA model ( nb / (MeV Sr^2) )
# theory_fsiXsec  : theoretical cross section using the JVO WJC2 FSI model ( nb / (MeV Sr^2) )
# theory_red_pwbaXsec : theoretical reduced cross section using the JVO WJC2 PWBA model (fm^3)
# theory_red_fsiXsec : theoretical reduced cross section using the JVO WJC2 FSI model (fm^3)
#
# common values for pm_bin indicate kinematic settings that contribute to the same missing momentum bin and are used in averaging
#
#! pm_bin[f,0]/ pm_avg[f,1]/ theory_pwbaXsec[f,2]/ theory_fsiXsec[f,3]/ theory_red_pwbaXsec[f,4]/ theory_red_fsiXsec[f,5]/
0.02000 0.03181 1.67730E+00 1.62330E+00 5.32348E+00 5.15210E+00
0.06000 0.06217 4.01630E-01 3.81550E-01 1.33006E+00 1.26356E+00
0.10000 0.09914 7.85410E-02 7.25940E-02 2.83152E-01 2.61712E-01
0.14000 0.13875 1.76070E-02 1.58060E-02 7.05256E-02 6.33116E-02
0.18000 0.17780 5.02040E-03 4.39750E-03 2.19150E-02 1.91959E-02
0.22000 0.21766 1.68210E-03 1.44290E-03 7.78973E-03 6.68201E-03
0.26000 0.25754 6.52820E-04 5.51440E-04 3.18843E-03 2.69328E-03
0.30000 0.29743 2.92590E-04 2.43990E-04 1.50185E-03 1.25239E-03
0.34000 0.33737 1.51340E-04 1.24410E-04 8.11220E-04 6.66869E-04
0.38000 0.37612 9.00150E-05 7.28180E-05 4.99611E-04 4.04162E-04
0.46000 0.46410 1.71300E-04 1.34940E-04 2.14471E-04 1.68948E-04
0.46000 0.46429 1.70810E-04 1.34510E-04 2.14137E-04 1.68629E-04
0.50000 0.50187 1.23440E-04 9.53460E-05 1.61638E-04 1.24851E-04
0.50000 0.50199 1.23340E-04 9.52610E-05 1.61514E-04 1.24745E-04
0.54000 0.54066 8.96310E-05 6.78760E-05 1.24144E-04 9.40119E-05
0.54000 0.54074 8.96530E-05 6.78860E-05 1.24079E-04 9.39538E-05
0.58000 0.58001 6.41120E-05 4.75160E-05 9.52799E-05 7.06158E-05
0.58000 0.58004 6.41770E-05 4.75680E-05 9.52659E-05 7.06111E-05
0.58000 0.58405 8.59640E-05 6.45940E-05 9.28702E-05 6.97834E-05
0.58000 0.58407 8.60370E-05 6.46540E-05 9.28570E-05 6.97790E-05
0.62000 0.61959 4.46700E-05 3.22530E-05 7.21508E-05 5.20949E-05
0.62000 0.61961 4.46640E-05 3.22500E-05 7.21394E-05 5.20888E-05
0.62000 0.62170 6.30150E-05 4.64400E-05 7.12085E-05 5.24784E-05
0.62000 0.62176 6.29760E-05 4.64080E-05 7.11800E-05 5.24537E-05
0.62000 0.62181 6.30160E-05 4.64390E-05 7.11497E-05 5.24331E-05
0.66000 0.65928 3.07200E-05 2.15220E-05 5.37290E-05 3.76418E-05
0.66000 0.65947 3.07130E-05 2.15160E-05 5.36492E-05 3.75839E-05
0.66000 0.66071 4.47240E-05 3.21930E-05 5.32661E-05 3.83418E-05
0.66000 0.66082 4.46960E-05 3.21730E-05 5.32223E-05 3.83104E-05
0.70000 0.69895 2.10330E-05 1.42420E-05 3.94005E-05 2.66792E-05
0.70000 0.69896 2.10380E-05 1.42460E-05 3.93947E-05 2.66763E-05
0.70000 0.69996 3.09830E-05 2.16790E-05 3.91754E-05 2.74113E-05
0.70000 0.70000 3.09670E-05 2.16660E-05 3.91641E-05 2.74011E-05
0.70000 0.70011 3.08880E-05 2.16070E-05 3.91271E-05 2.73705E-05
0.74000 0.73852 1.43630E-05 9.36140E-06 2.85014E-05 1.85764E-05
0.74000 0.73853 1.43900E-05 9.37880E-06 2.85009E-05 1.85757E-05
0.74000 0.73940 2.08610E-05 1.41380E-05 2.83551E-05 1.92169E-05

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0.74000	0.73942	2.08570E-05	1.41350E-05	2.83509E-05	1.92137E-05
0.74000	0.73950	2.08210E-05	1.41080E-05	2.83301E-05	1.91961E-05
0.78000	0.77831	9.80760E-06	6.13960E-06	2.03343E-05	1.27294E-05
0.78000	0.77918	1.37860E-05	9.01760E-06	2.02238E-05	1.32286E-05
0.78000	0.77928	1.37770E-05	9.01170E-06	2.02059E-05	1.32169E-05
0.78000	0.77945	1.37490E-05	8.99120E-06	2.01766E-05	1.31945E-05
0.82000	0.81809	6.65640E-06	3.99440E-06	1.43596E-05	8.61697E-06
0.82000	0.81810	6.64610E-06	3.98710E-06	1.43573E-05	8.61318E-06
0.82000	0.81893	9.03020E-06	5.70140E-06	1.42750E-05	9.01282E-06
0.82000	0.81911	9.02060E-06	5.69540E-06	1.42536E-05	8.99942E-06
0.82000	0.81914	9.00210E-06	5.68200E-06	1.42485E-05	8.99347E-06
0.86000	0.85770	4.49690E-06	2.59420E-06	1.00509E-05	5.79821E-06
0.86000	0.85773	4.49620E-06	2.59290E-06	1.00478E-05	5.79441E-06
0.86000	0.85877	5.90260E-06	3.61070E-06	9.96562E-06	6.09611E-06
0.86000	0.85888	5.89280E-06	3.60440E-06	9.95544E-06	6.08936E-06
0.86000	0.85889	5.89340E-06	3.60480E-06	9.95523E-06	6.08929E-06
0.90000	0.89850	3.84580E-06	2.29710E-06	6.90768E-06	4.12597E-06
0.90000	0.89853	3.84670E-06	2.29780E-06	6.90587E-06	4.12517E-06
0.90000	0.89864	3.84730E-06	2.29850E-06	6.89890E-06	4.12163E-06
0.94000	0.93824	2.51710E-06	1.49210E-06	4.76344E-06	2.82370E-06
0.94000	0.93832	2.51960E-06	1.49390E-06	4.75951E-06	2.82197E-06
0.94000	0.93841	2.51660E-06	1.49200E-06	4.75575E-06	2.81951E-06
0.98000	0.97811	1.64870E-06	9.91320E-07	3.26594E-06	1.96373E-06
1.02000	1.01790	1.08310E-06	7.33950E-07	2.23255E-06	1.51286E-06
1.02000	1.01790	1.08020E-06	7.31440E-07	2.23212E-06	1.51144E-06
1.06000	1.05770	7.08100E-07	5.40490E-07	1.51967E-06	1.15996E-06
1.06000	1.05770	7.07280E-07	5.40030E-07	1.51846E-06	1.15939E-06
1.14000	1.13730	3.03760E-07	3.10760E-07	6.99755E-07	7.15880E-07
1.14000	1.13730	3.03050E-07	3.10530E-07	6.99433E-07	7.16696E-07
1.14000	1.13730	3.03170E-07	3.10600E-07	6.99418E-07	7.16560E-07
1.18000	1.17330	2.08090E-07	2.46980E-07	4.94065E-07	5.86402E-07