

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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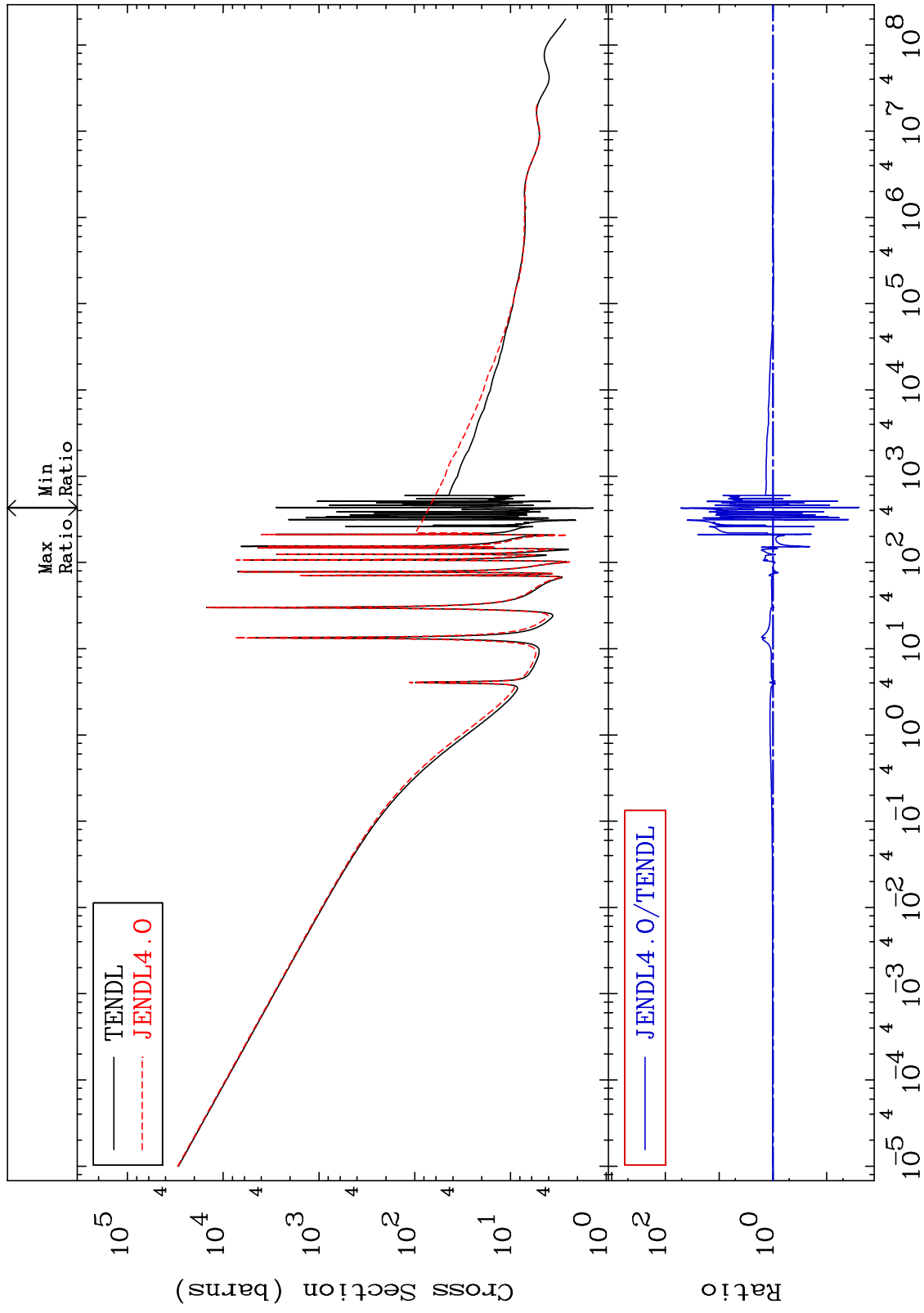
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7225 Total Cross Section 72-Hf-174 -97.48 To 5106. %

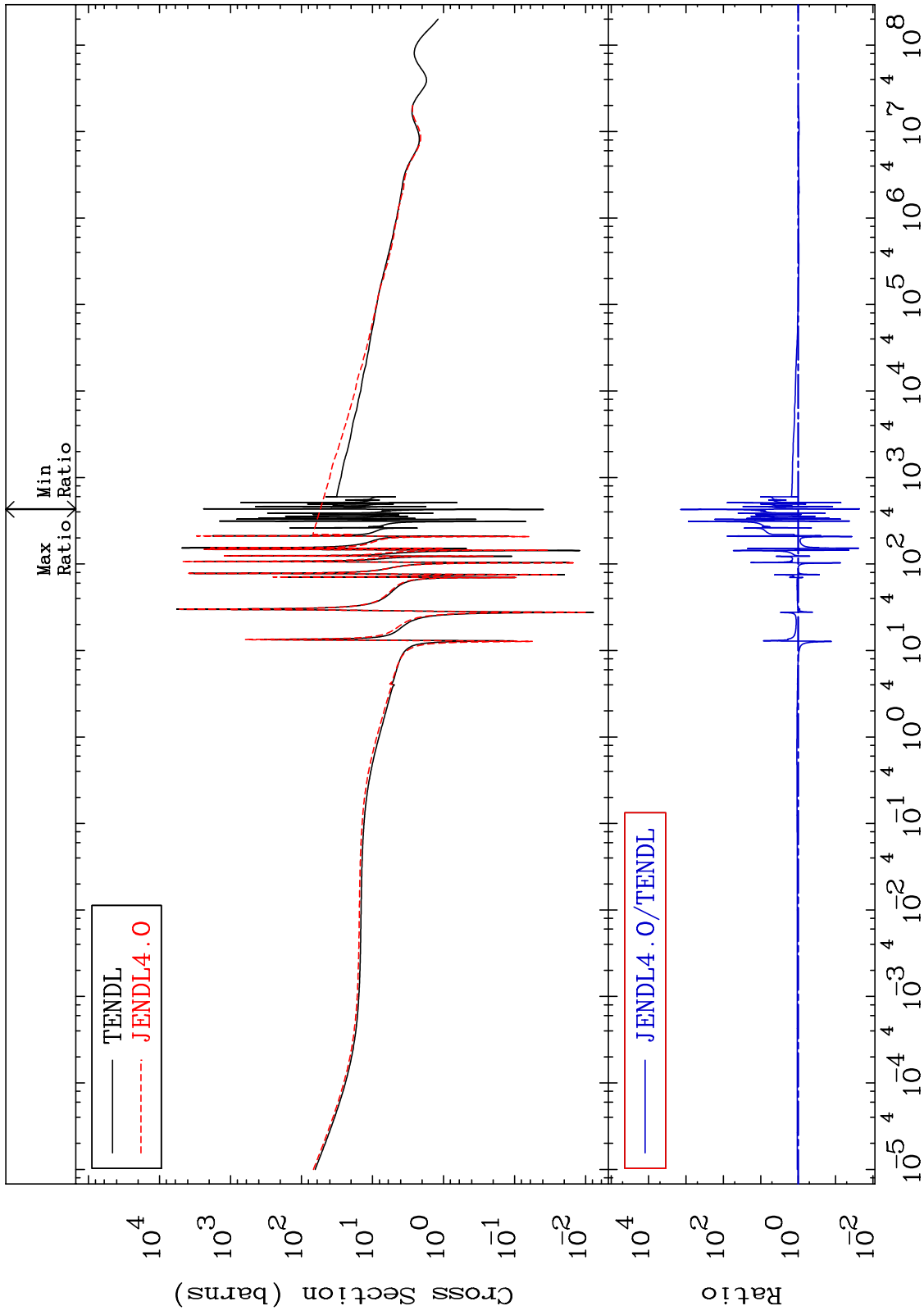


1 Incident Energy (eV) 72-Hf-174

MAT 7225

Elastic
Cross Section

72-Hf-174
-97.74 To 9999. %



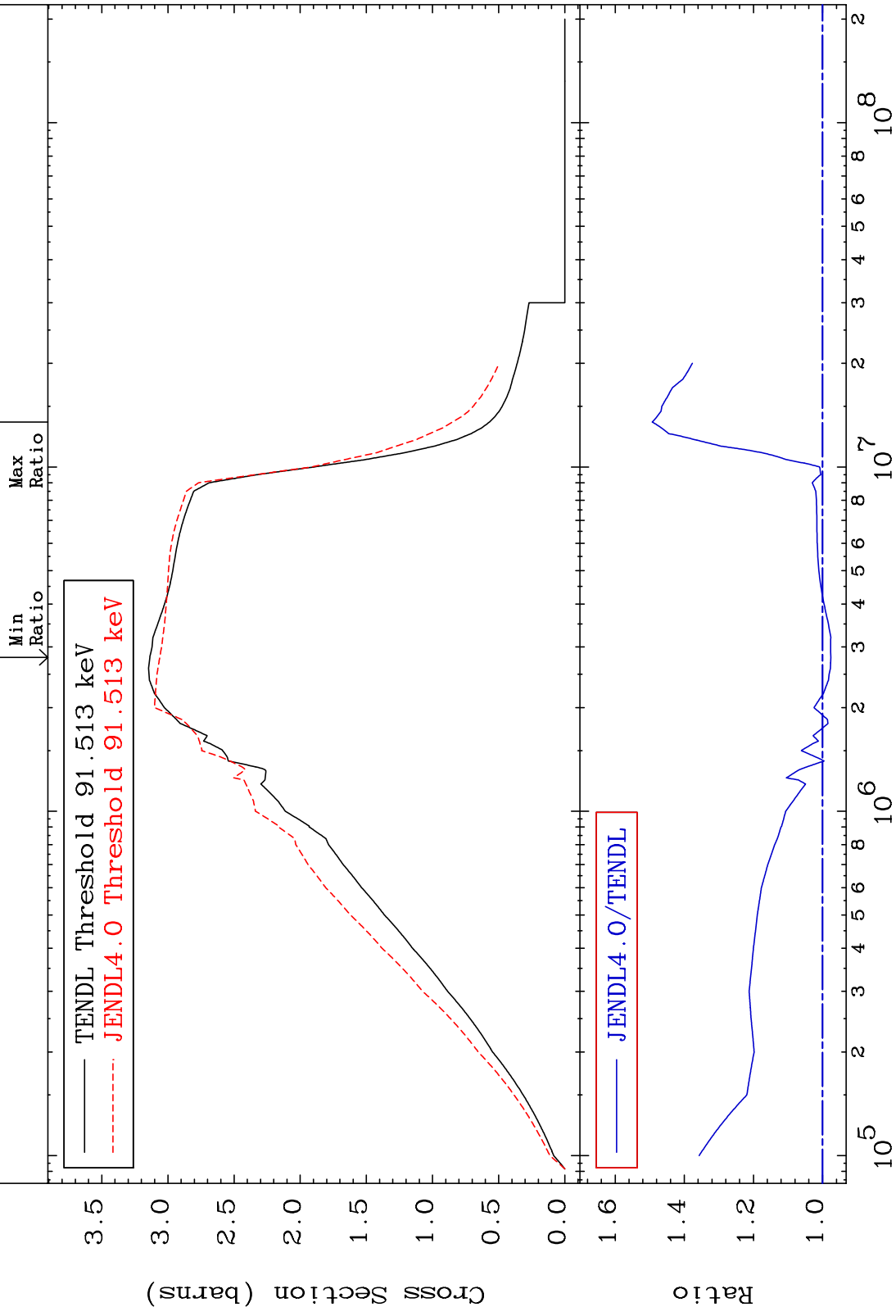
2

Incident Energy (eV)

72-Hf-174

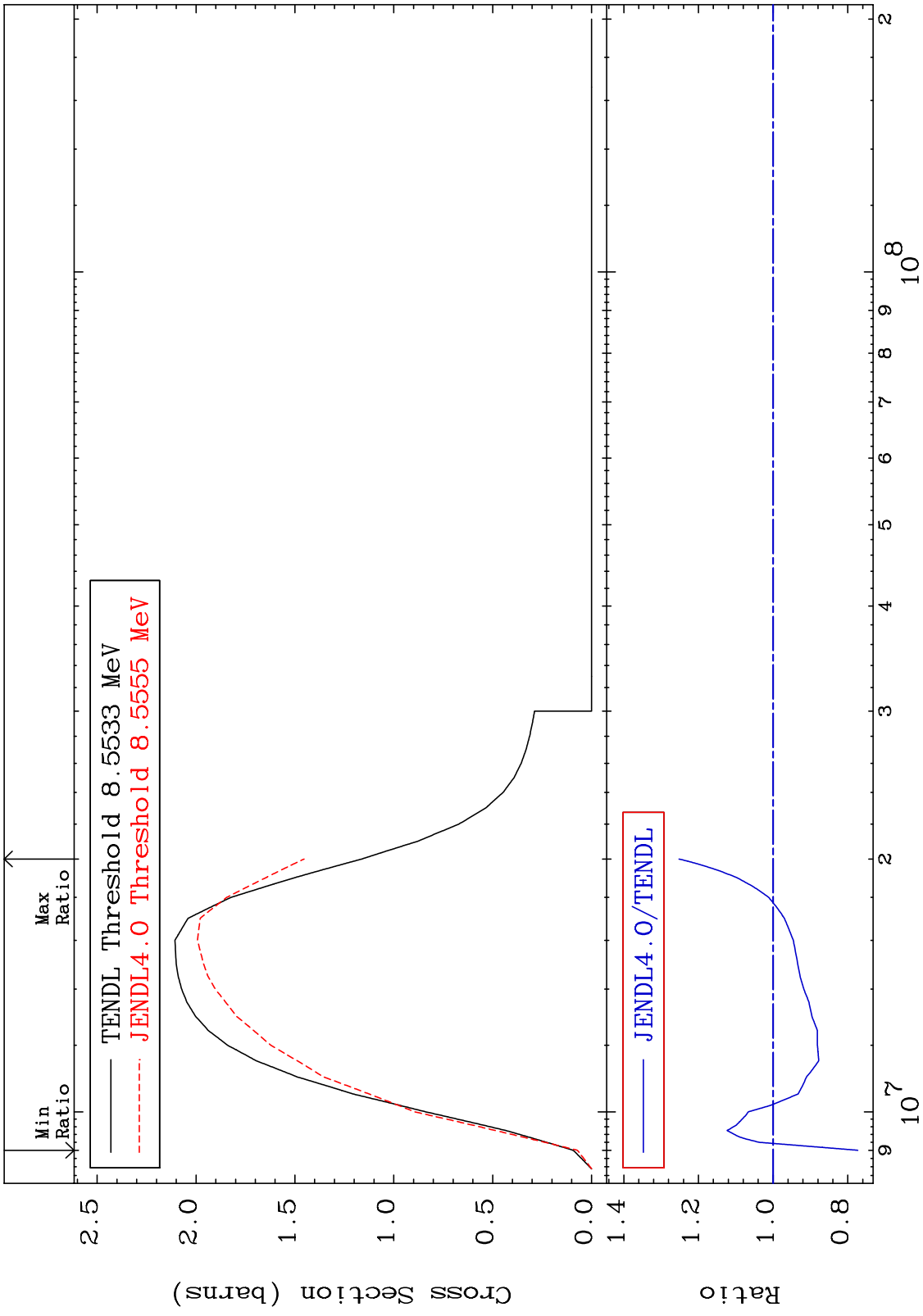
MAT 7225 72-Hf-174 -2.401 To 49.27 %

Inelastic Cross Section

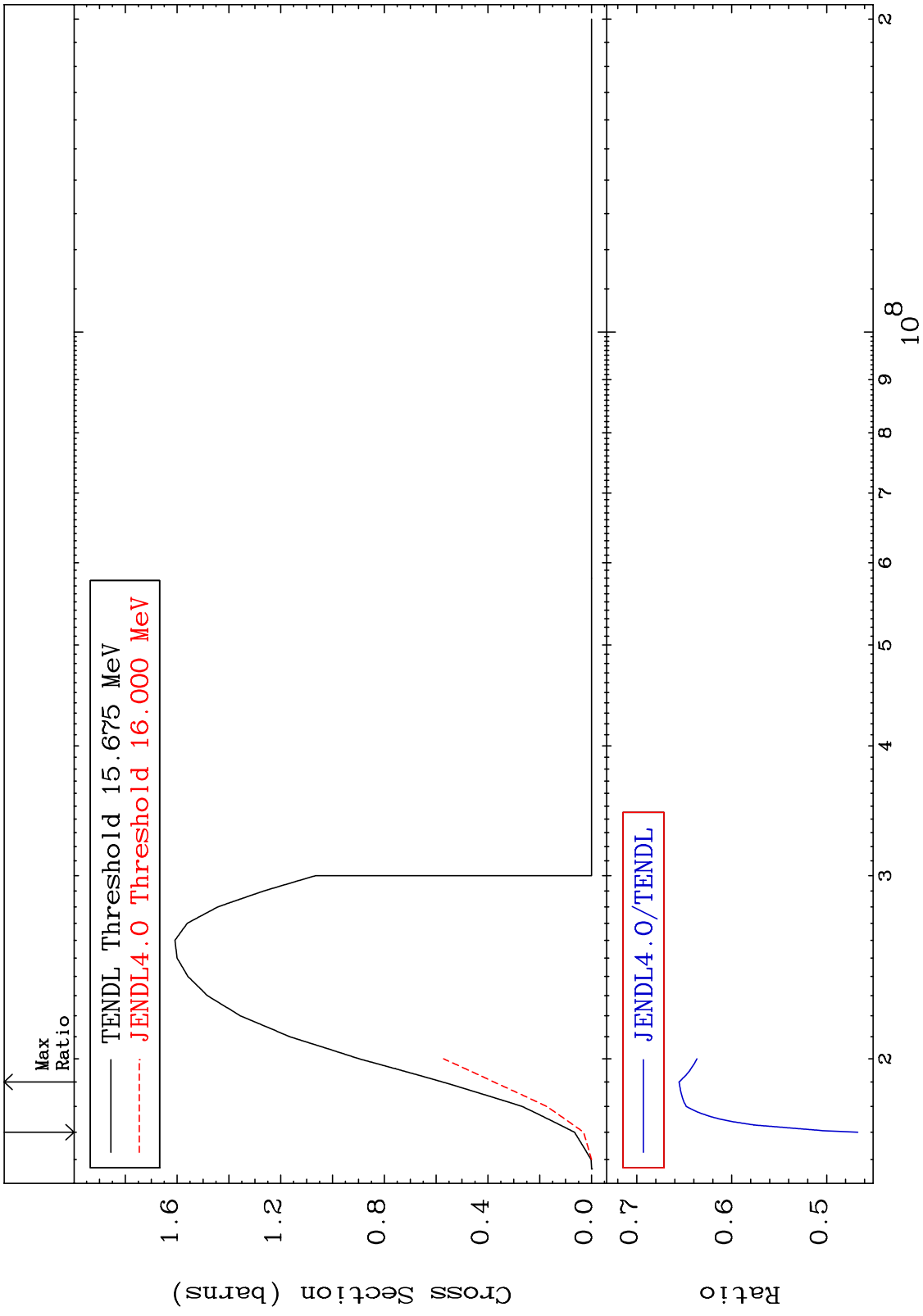


72-Hf-174

MAT 7225 (n,2n) Cross Section 72-Hf-174 -22.68 To 25.20 %



MAT 7225 (n,3n) Cross Section 72-Hf-174 -53.28 To -34.45%



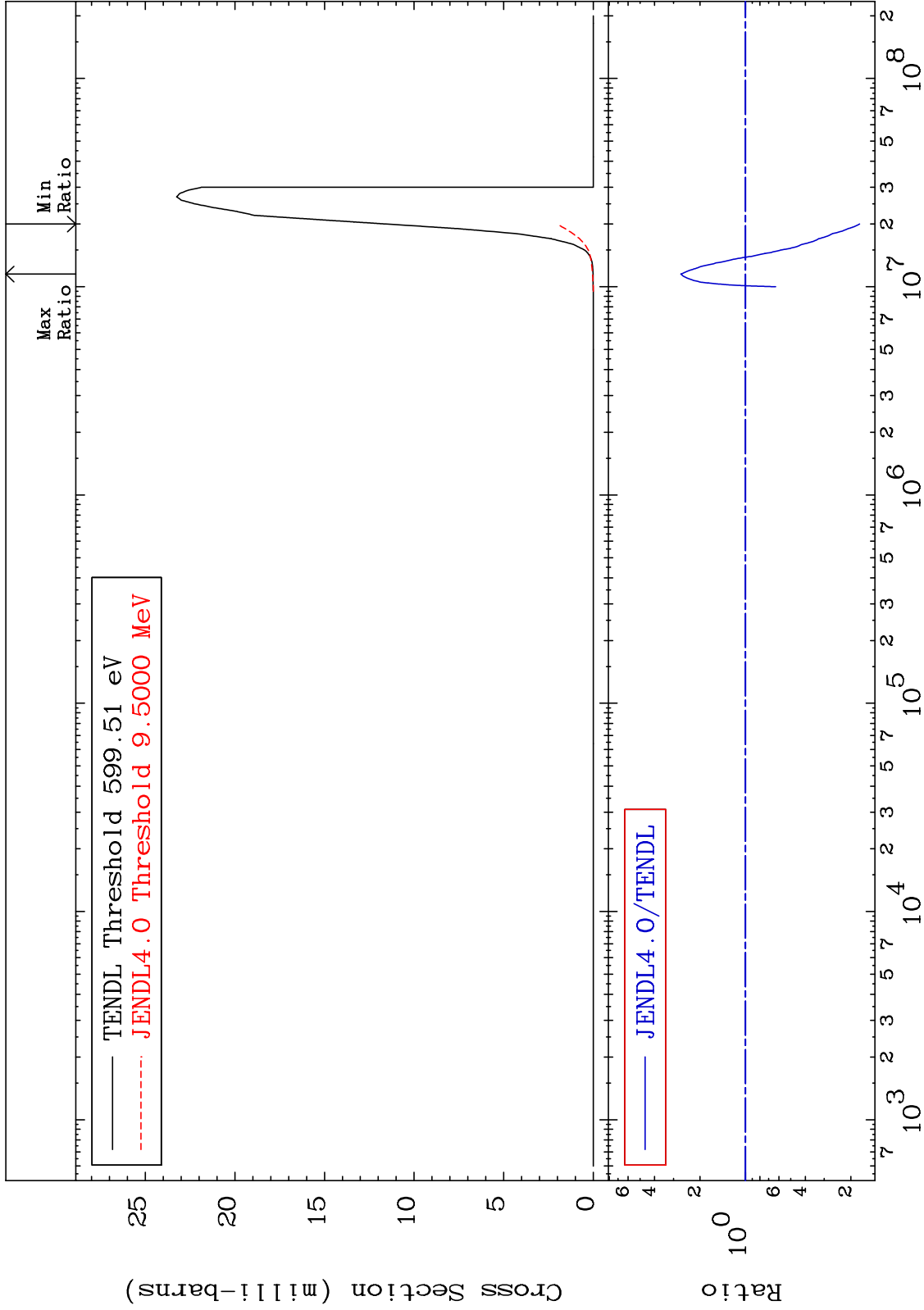
MAT 7225

(n, n') α

Cross Section

72-Hf-174

-82.54 To 168.0 %



6

Incident Energy (eV)

72-Hf-174

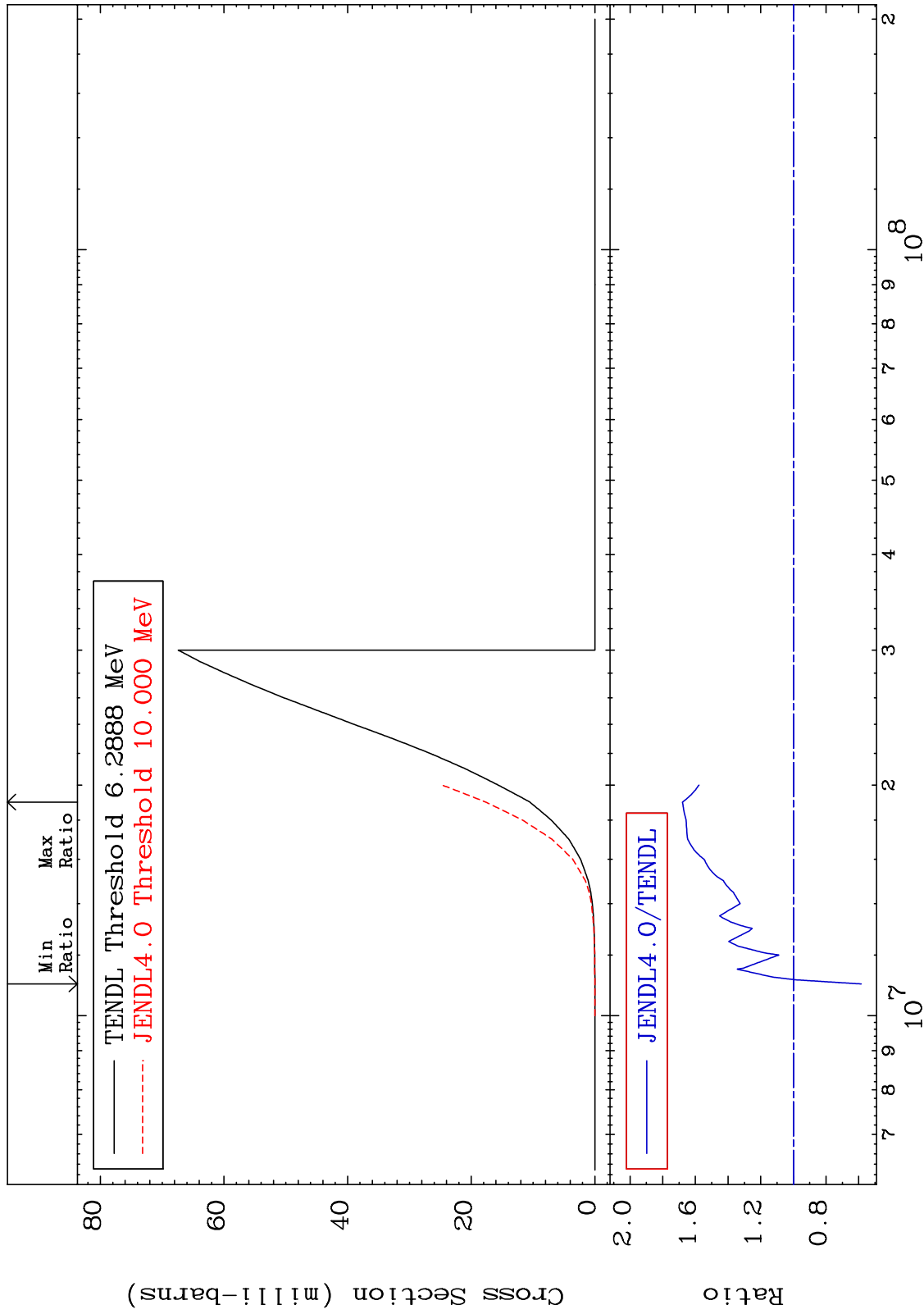
MAT 7225

(n, n') p

72-Hf-174

Cross Section

-41.59 To 67.92 %

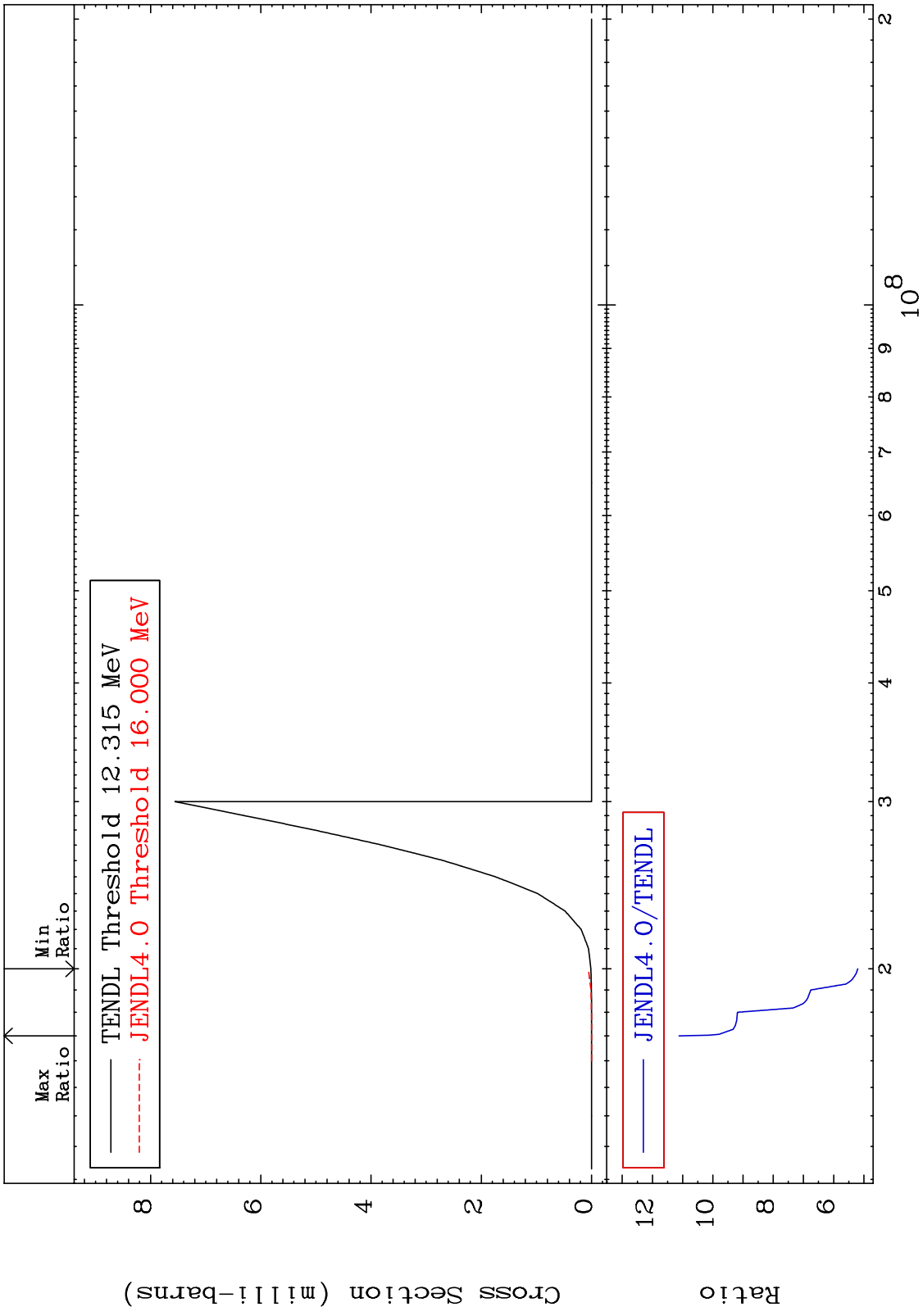


7

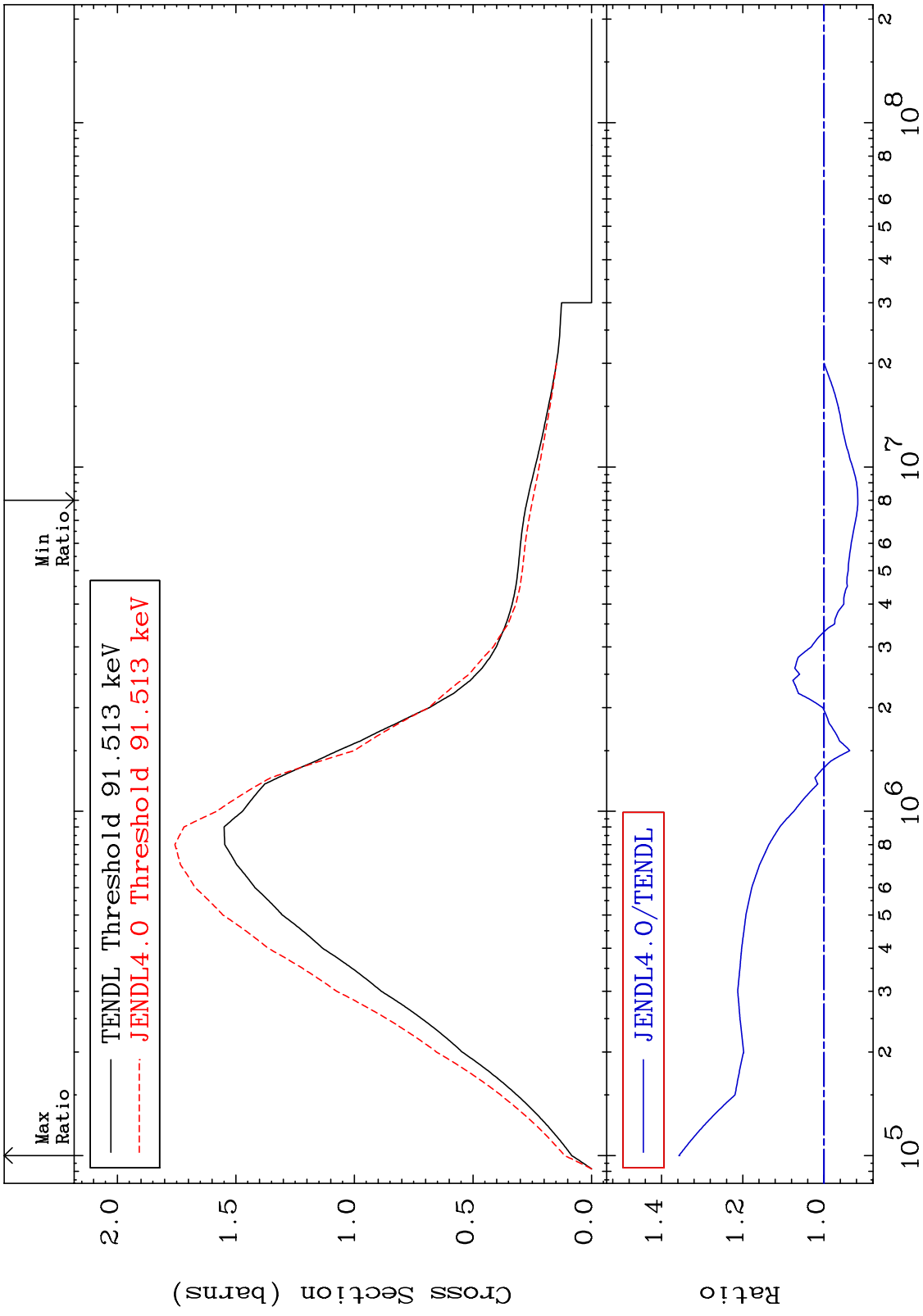
Incident Energy (eV)

72-Hf-174

MAT 7225 (n,n') d 72-Hf-174
 Cross Section 419.9 To 1012. %

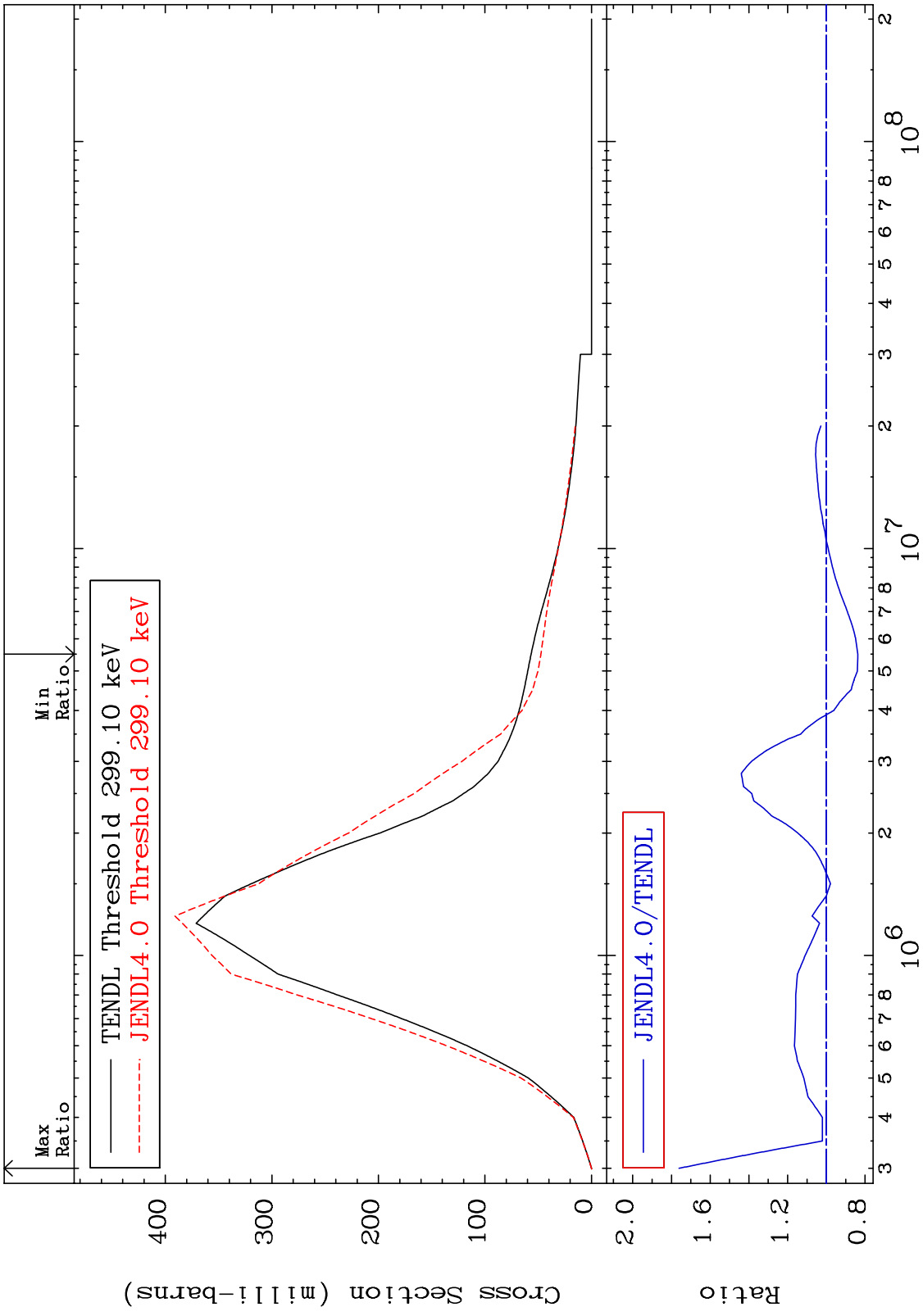


MAT 7225 MT= 51 (n,n') Level Cross Section 72-Hf-174 -8.334 To 35.70 %



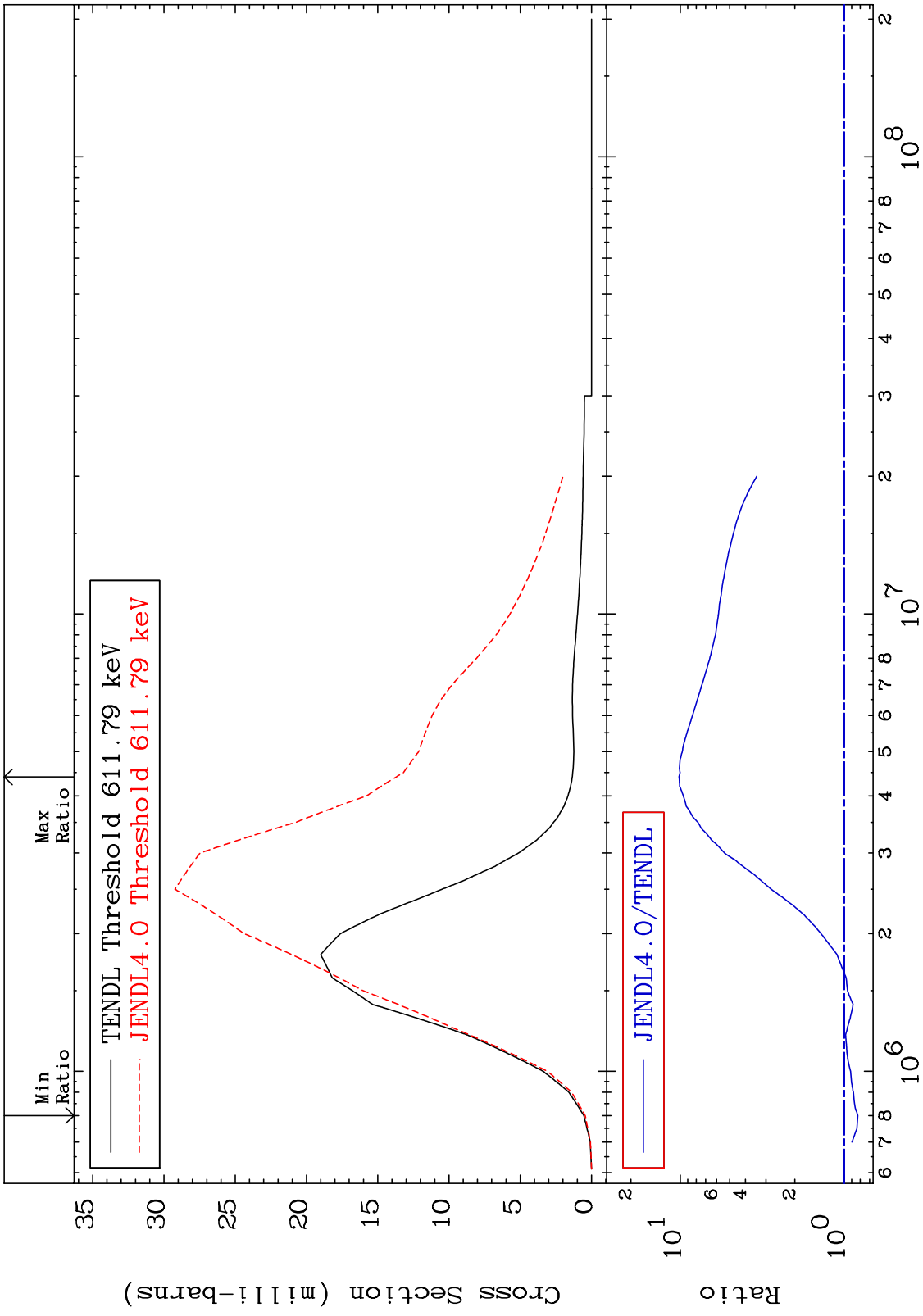
72-Hf-174

MAT 7225 MT= 52 (n,n') Level Cross Section 72-Hf-174 -16.26 To 76.08 %

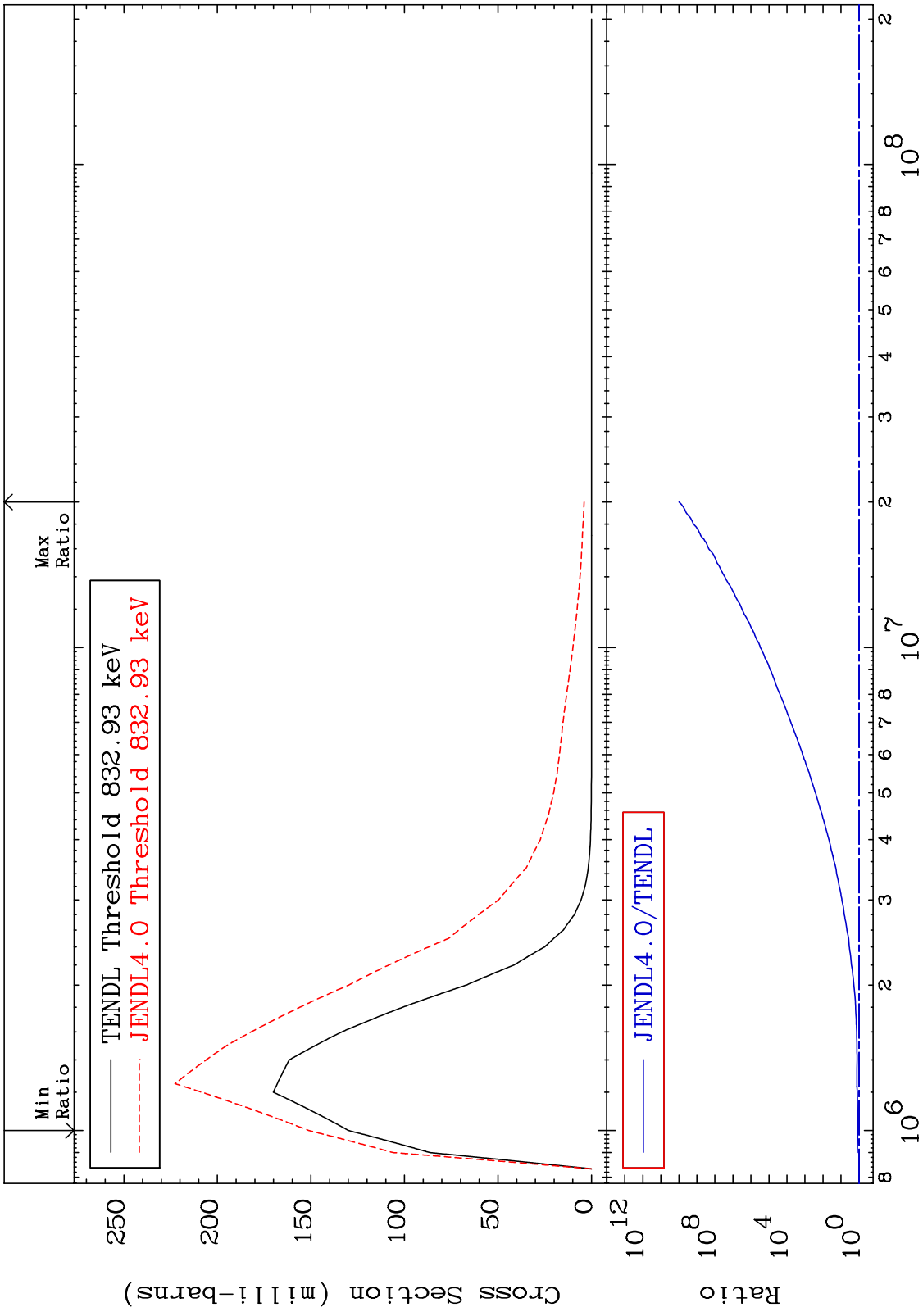


10 72-Hf-174

MAT 7225 MT= 53 (n,n') Level 72-Hf-174
 Cross Section -17.39 To 917.1 %

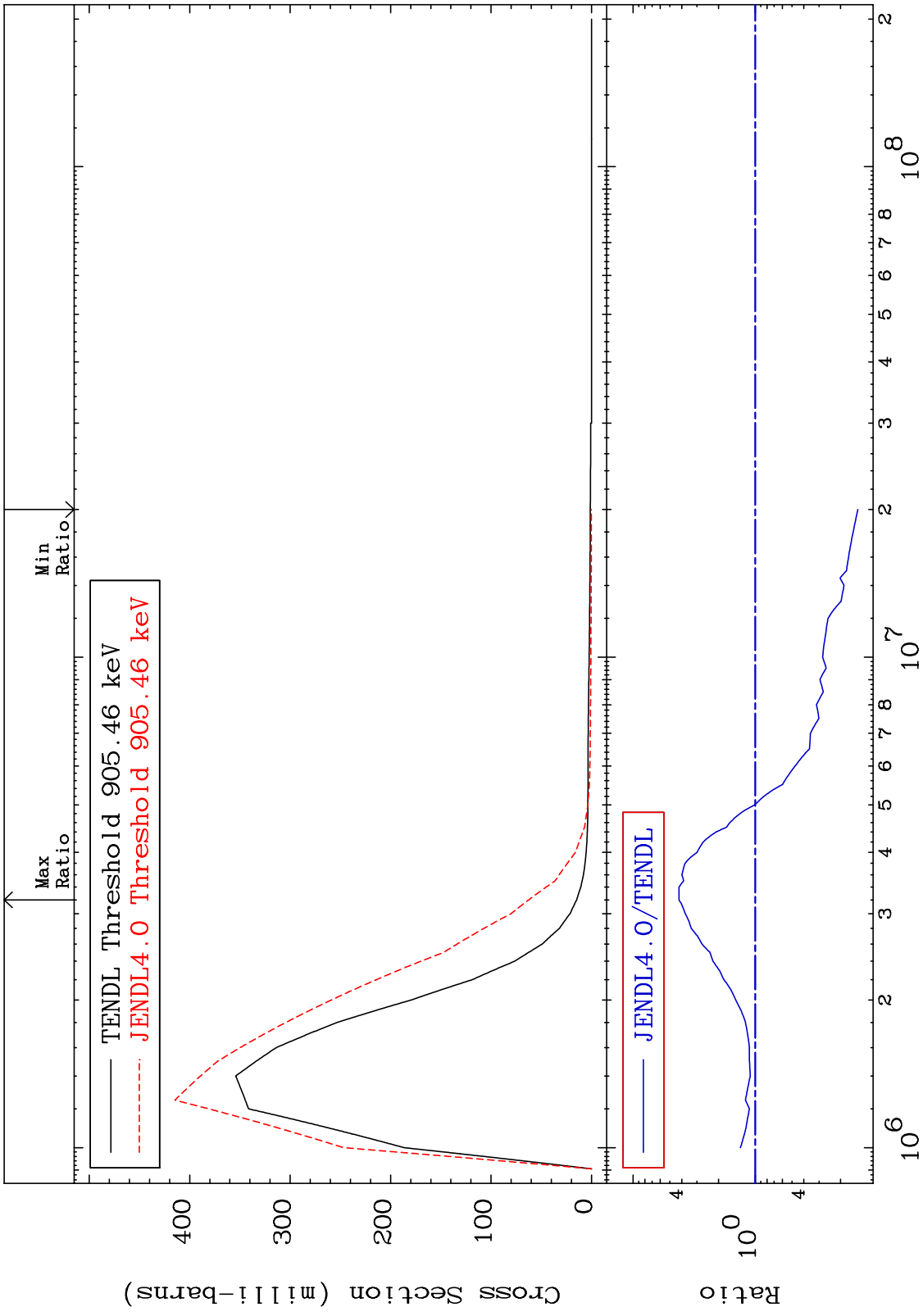


MAT 7225 MT= 54 (n,n') Level Cross Section 72-Hf-174 16.40 To 9999. %



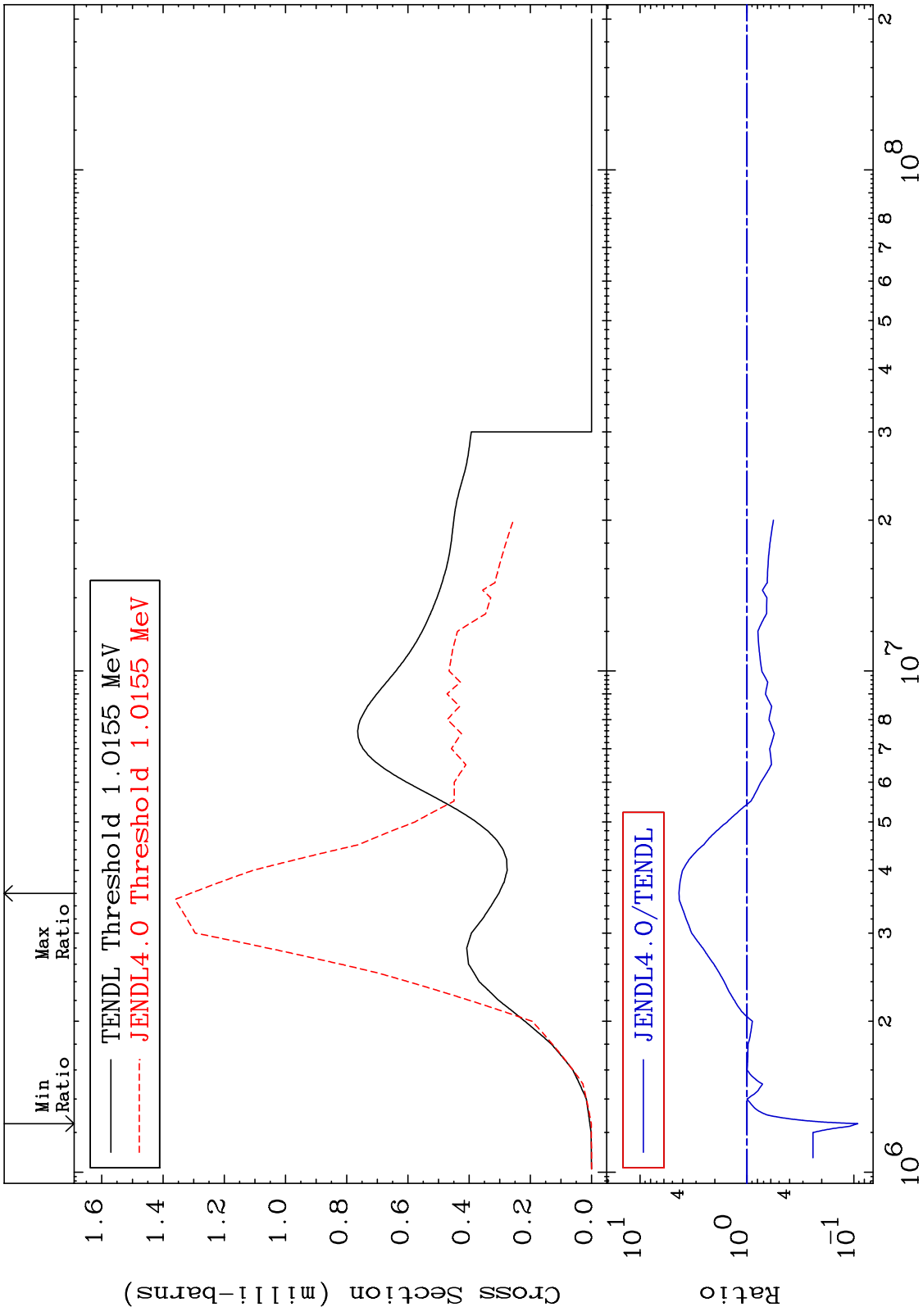
12 Incident Energy (eV) 72-Hf-174

MAT 7225 MT= 55 (n,n') Level Cross Section 72-Hf-174 -85.57 To 320.8 %

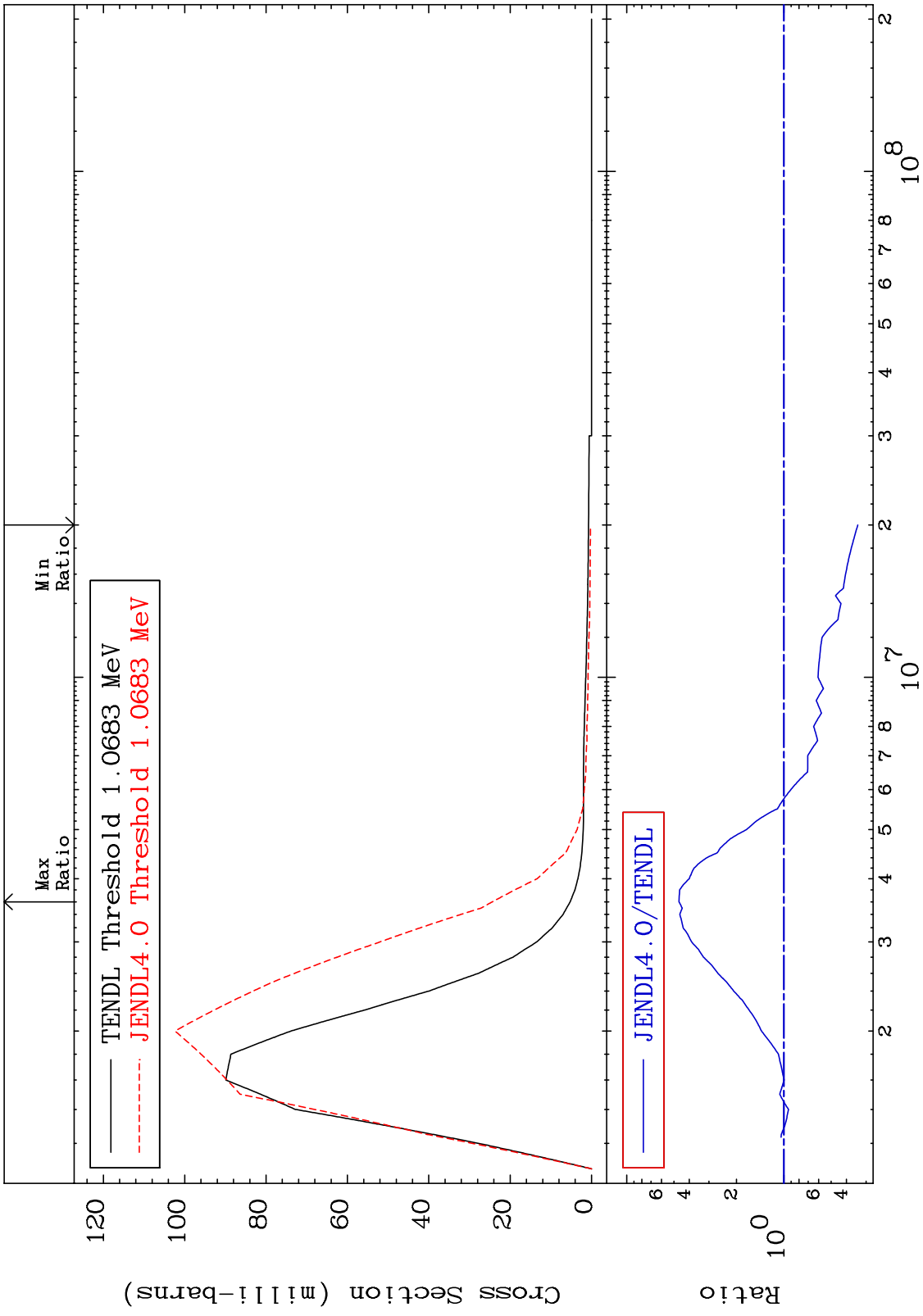


13 Incident Energy (eV) 72-Hf-174

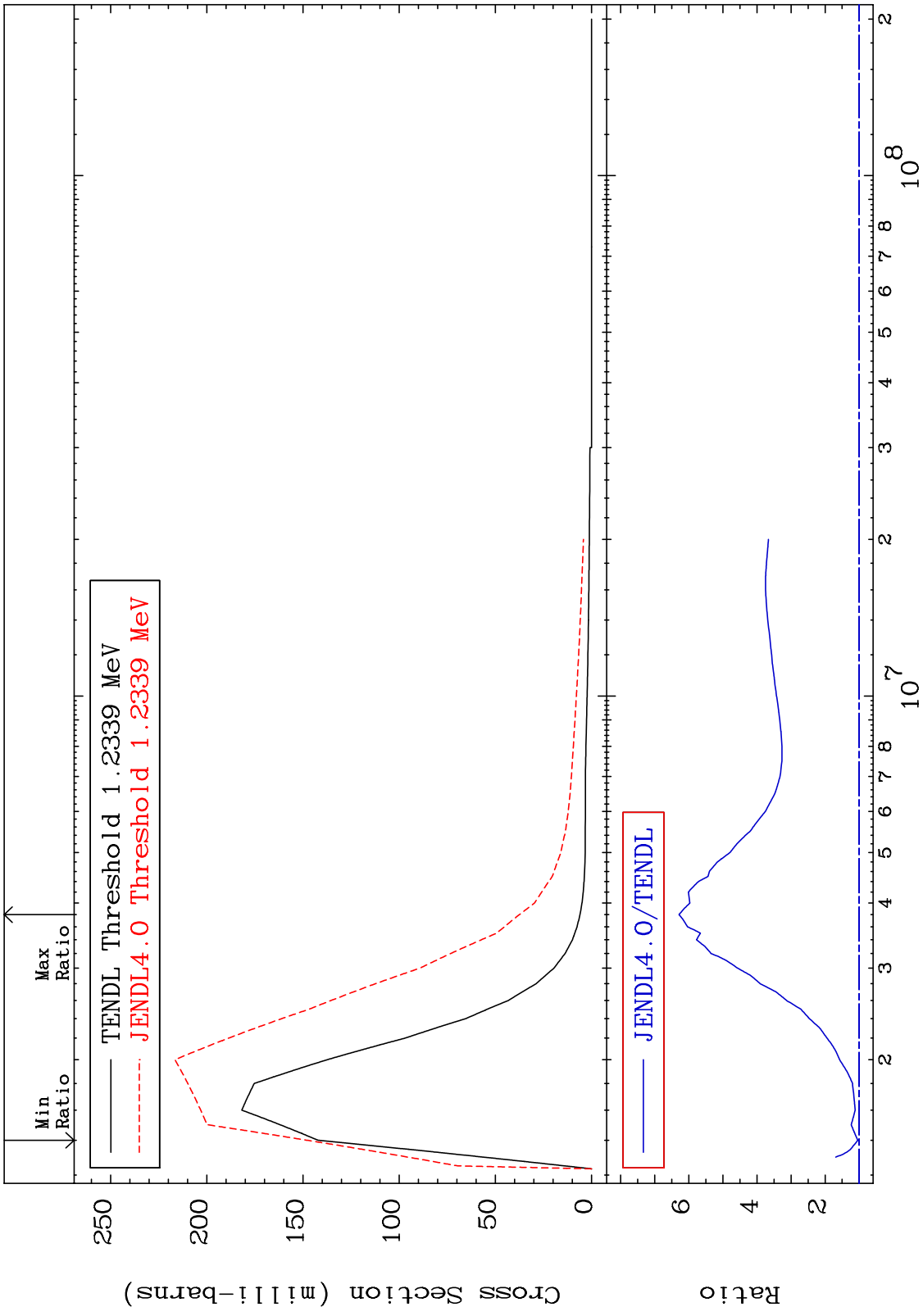
MAT 7225 MT= 56 (n,n') Level Cross Section 72-Hf-174 -90.81 To 332.5 %



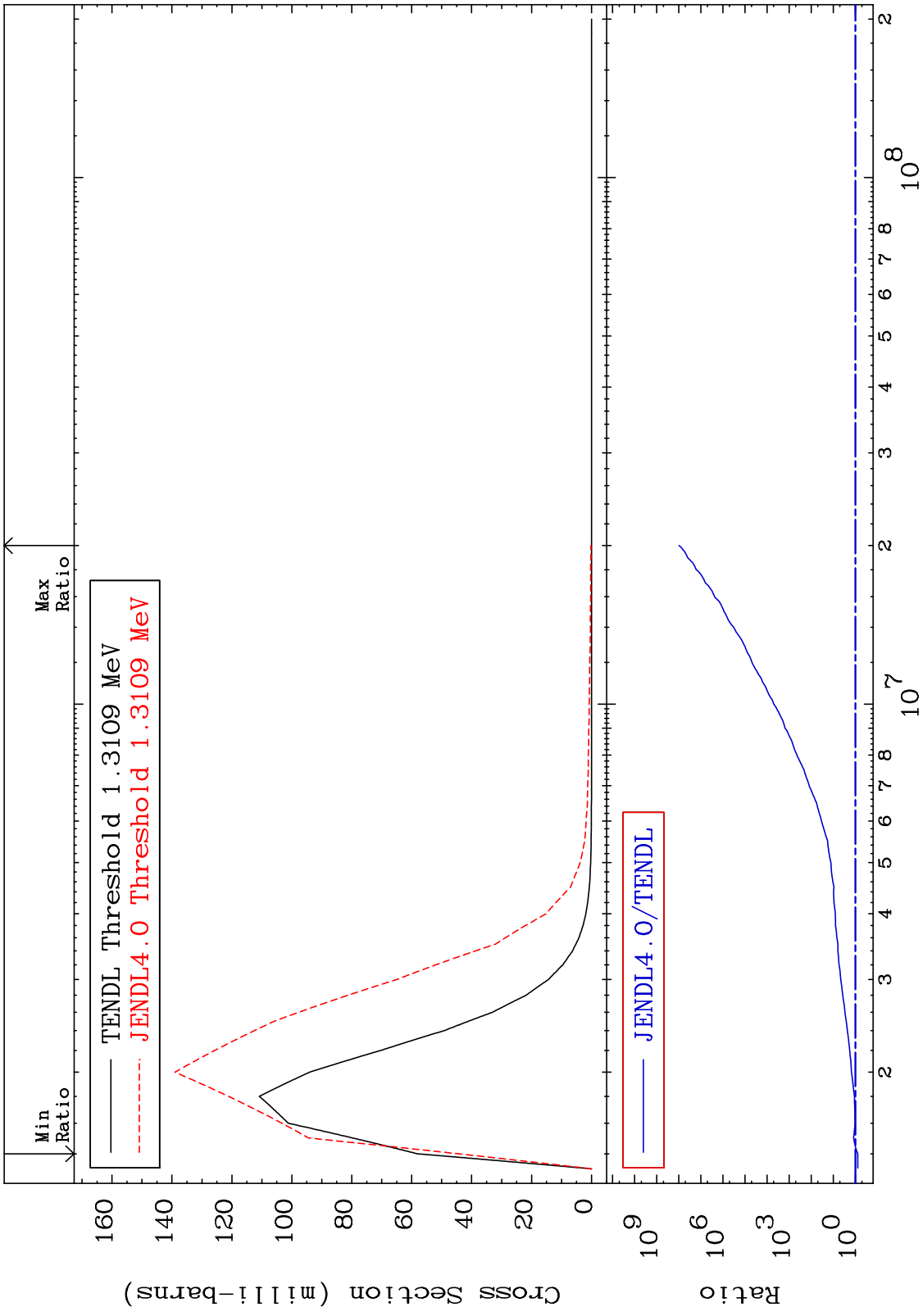
MAT 7225 MT= 57 (n,n') Level Cross Section 72-Hf-174 -66.19 To 364.3 %



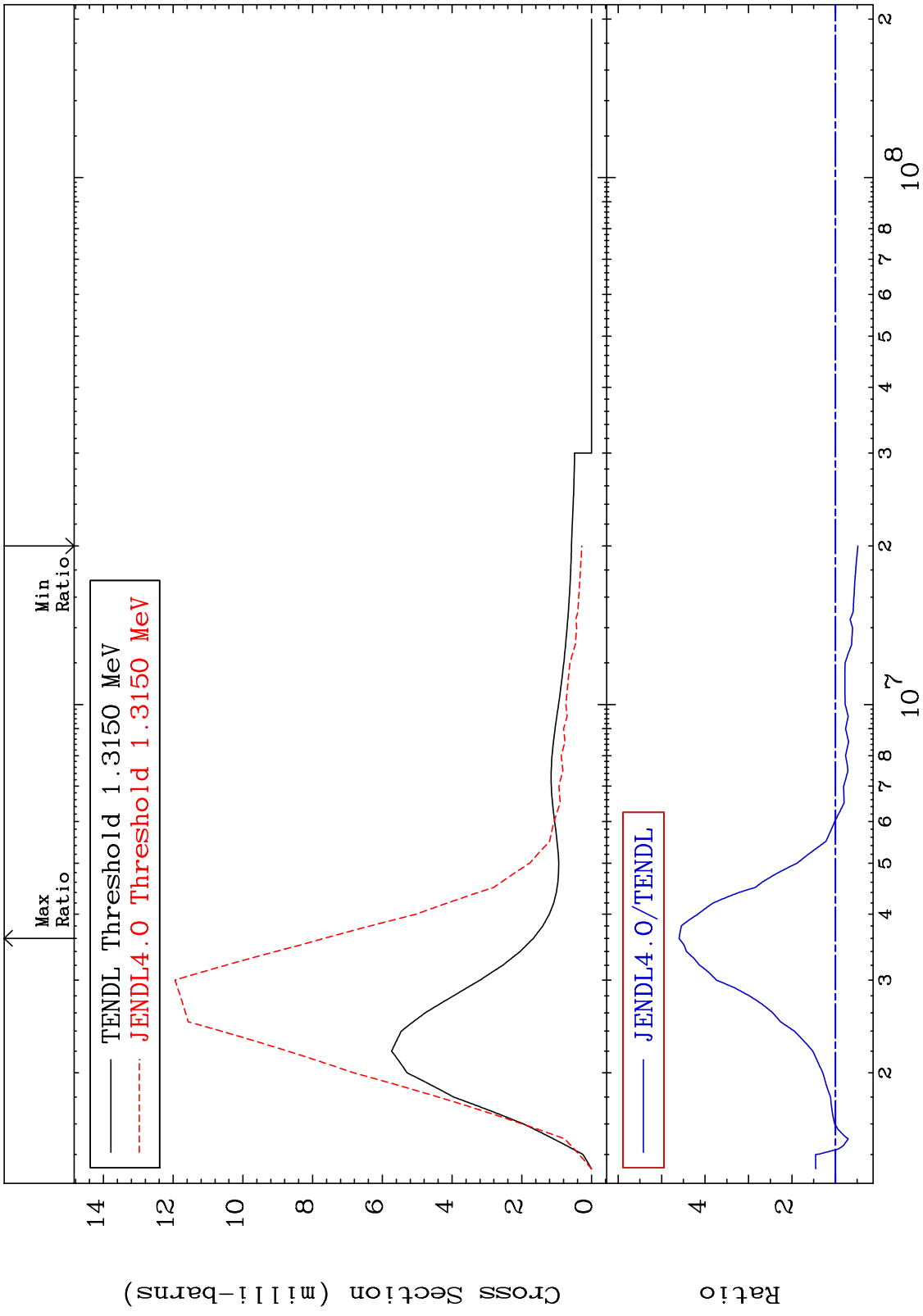
MAT 7225 MT= 58 (n,n') Level Cross Section 72-Hf-174 3.994 To 528.6 %



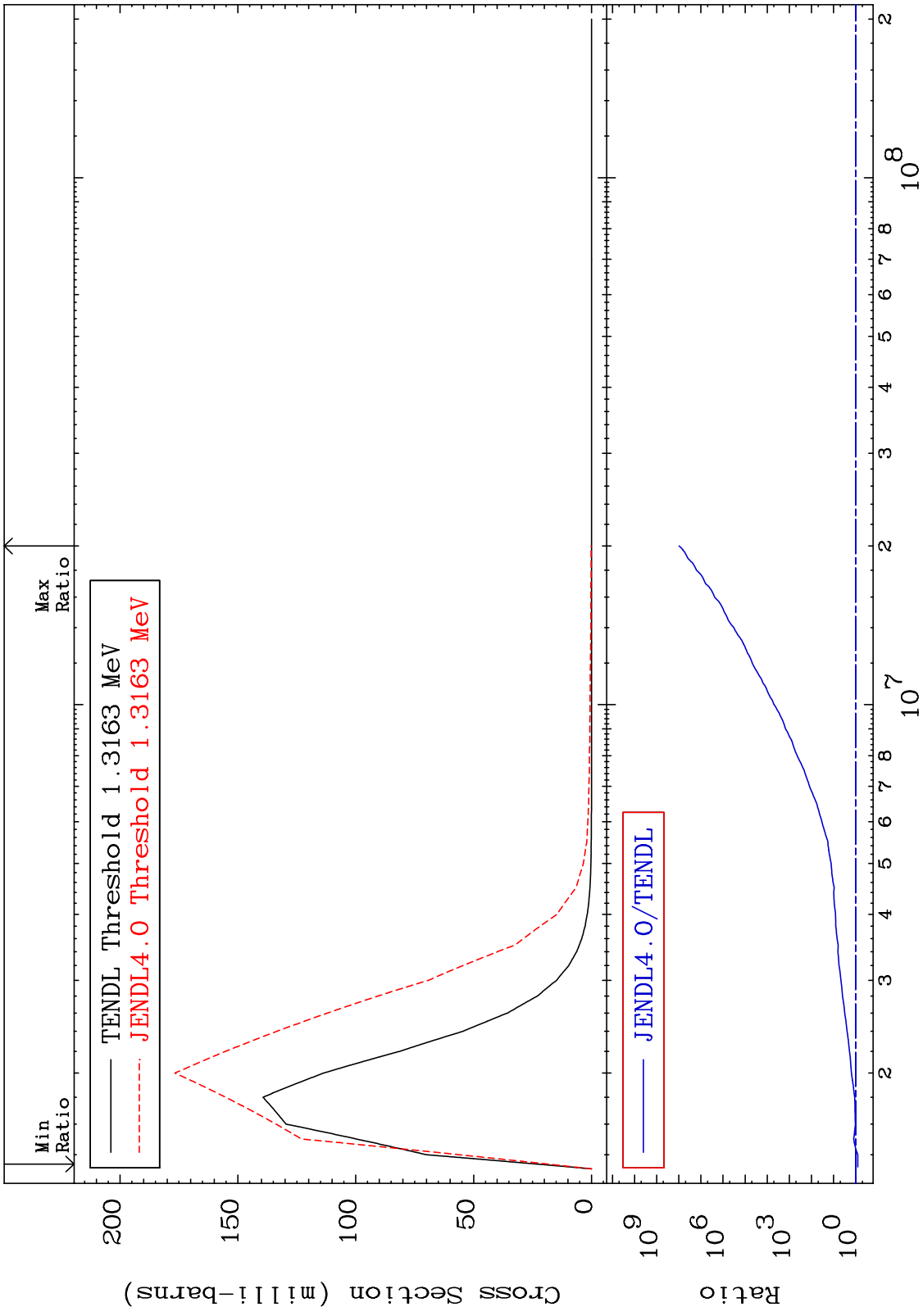
MAT 7225 MT= 59 (n,n') Level Cross Section 72-Hf-174 -23.41 To 9999. %



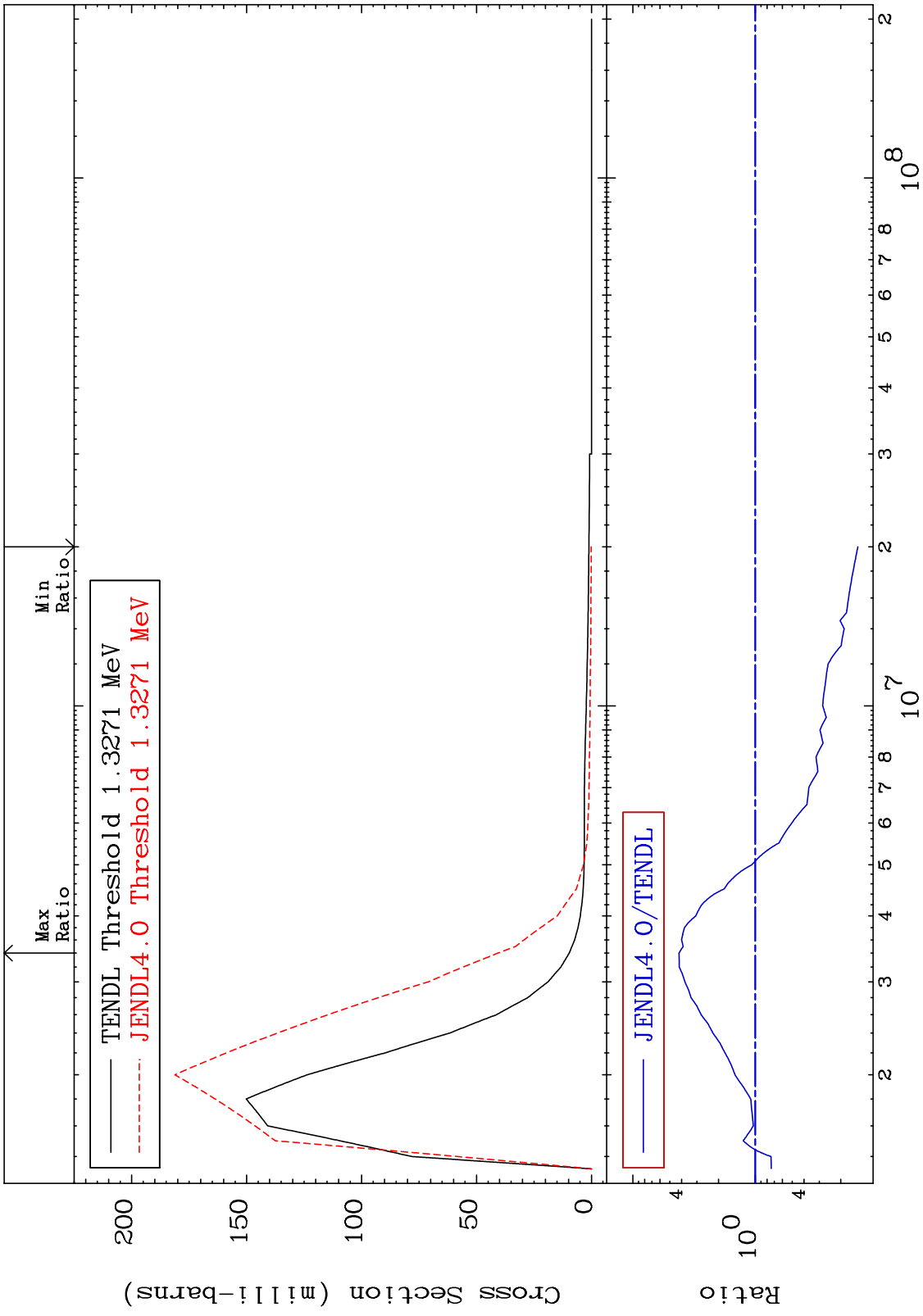
MAT 7225 MT= 60 (n,n') Level Cross Section 72-Hf-174 -51.57 To 360.0 %



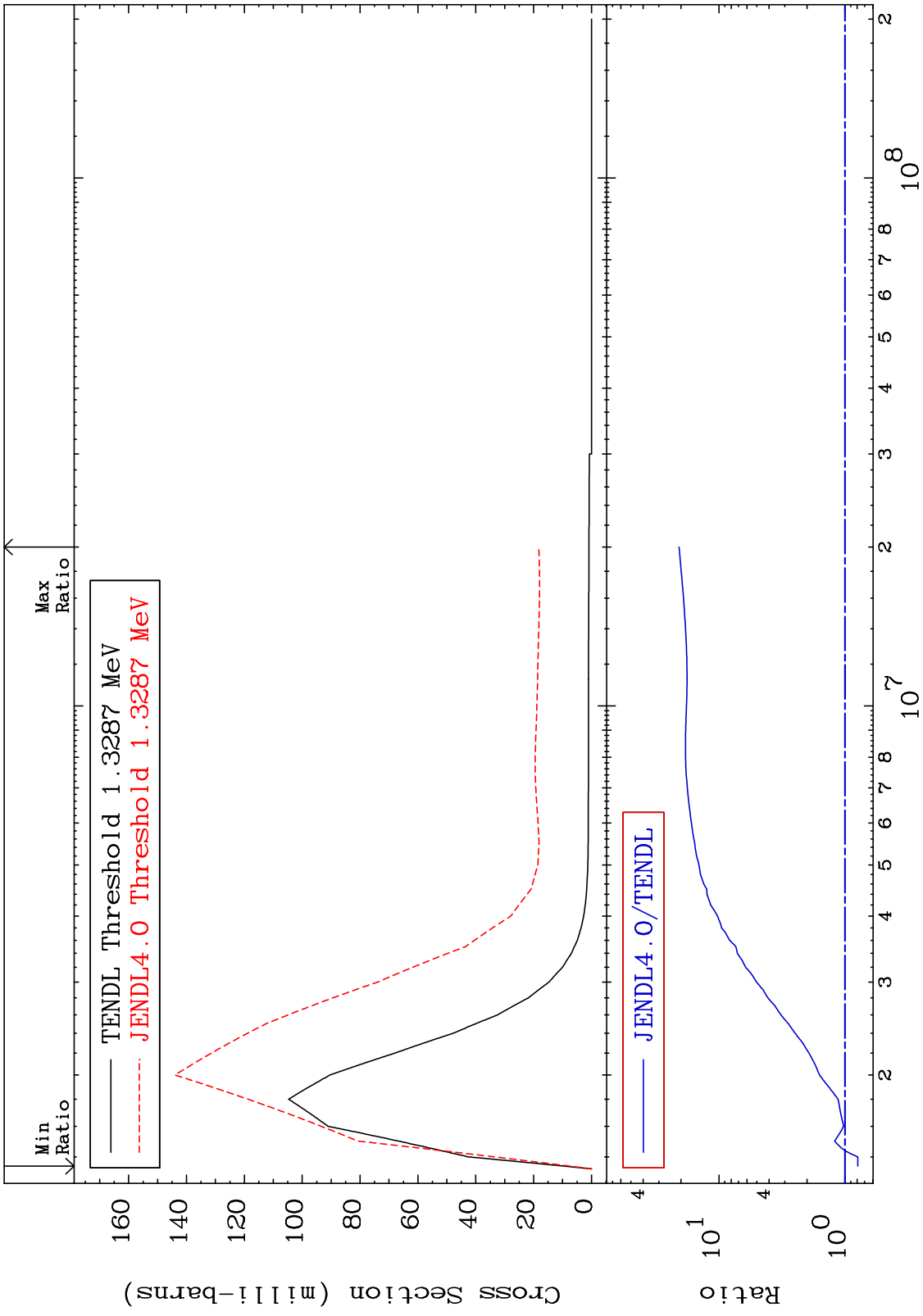
MAT 7225 MT= 61 (n,n') Level Cross Section 72-Hf-174
 -19.91 To 9999. %



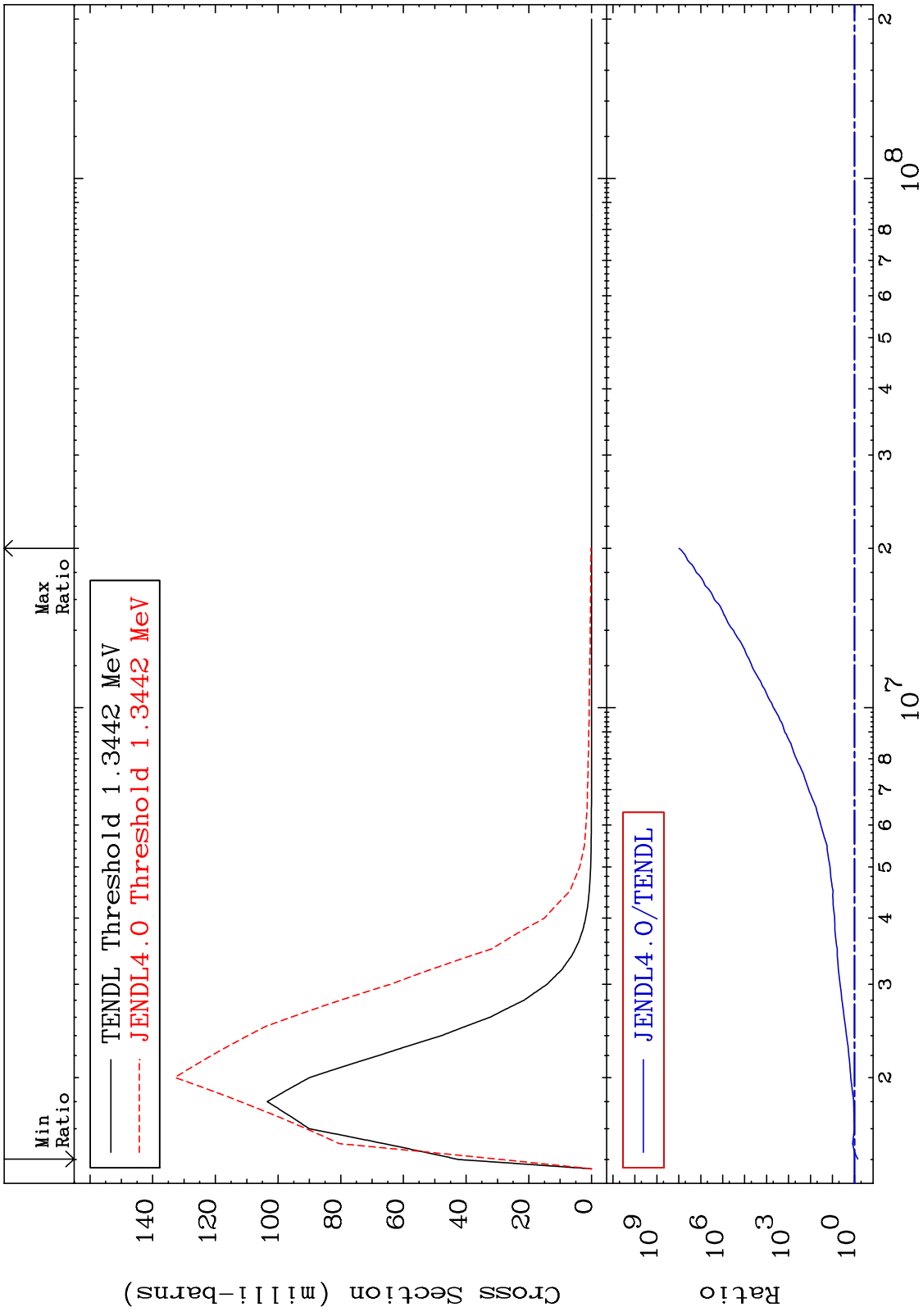
MAT 7225 MT= 62 (n,n') Level Cross Section 72-Hf-174 -85.47 To 319.7 %



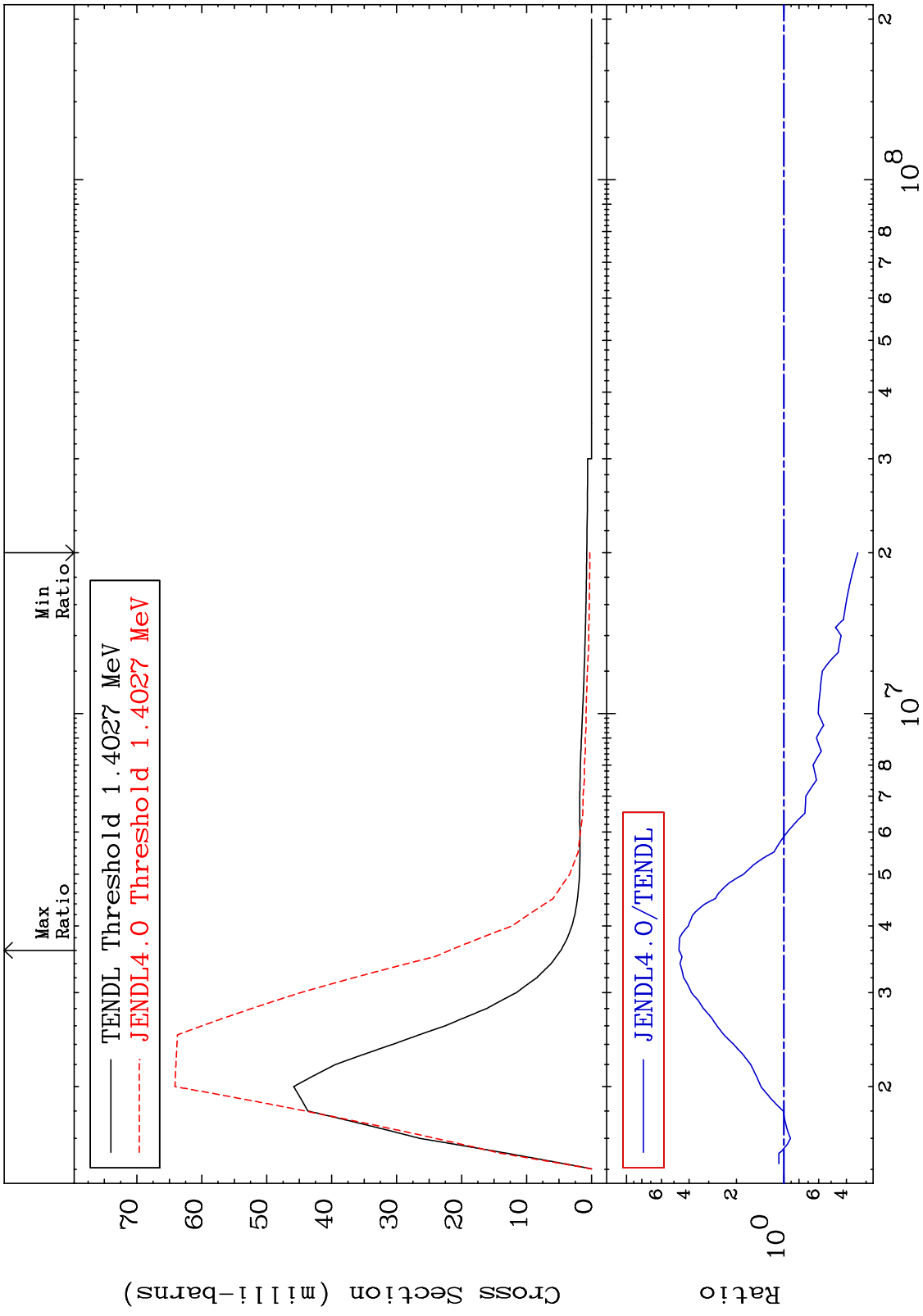
MAT 7225 MT= 63 (n,n') Level Cross Section 72-Hf-174
 -20.96 To 1974. %



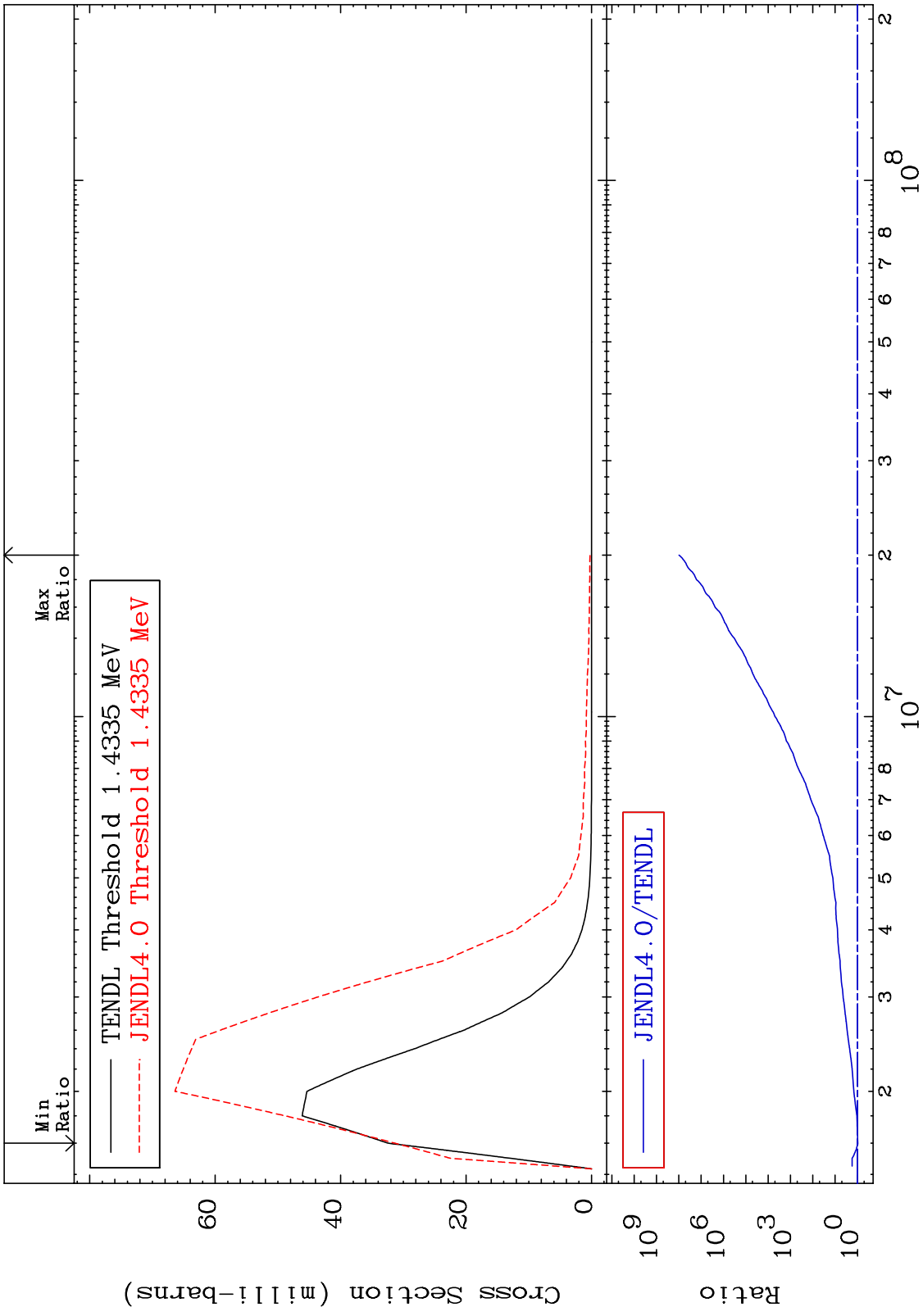
MAT 7225 MT= 64 (n,n') Level Cross Section 72-Hf-174
 -29.93 To 9999. %



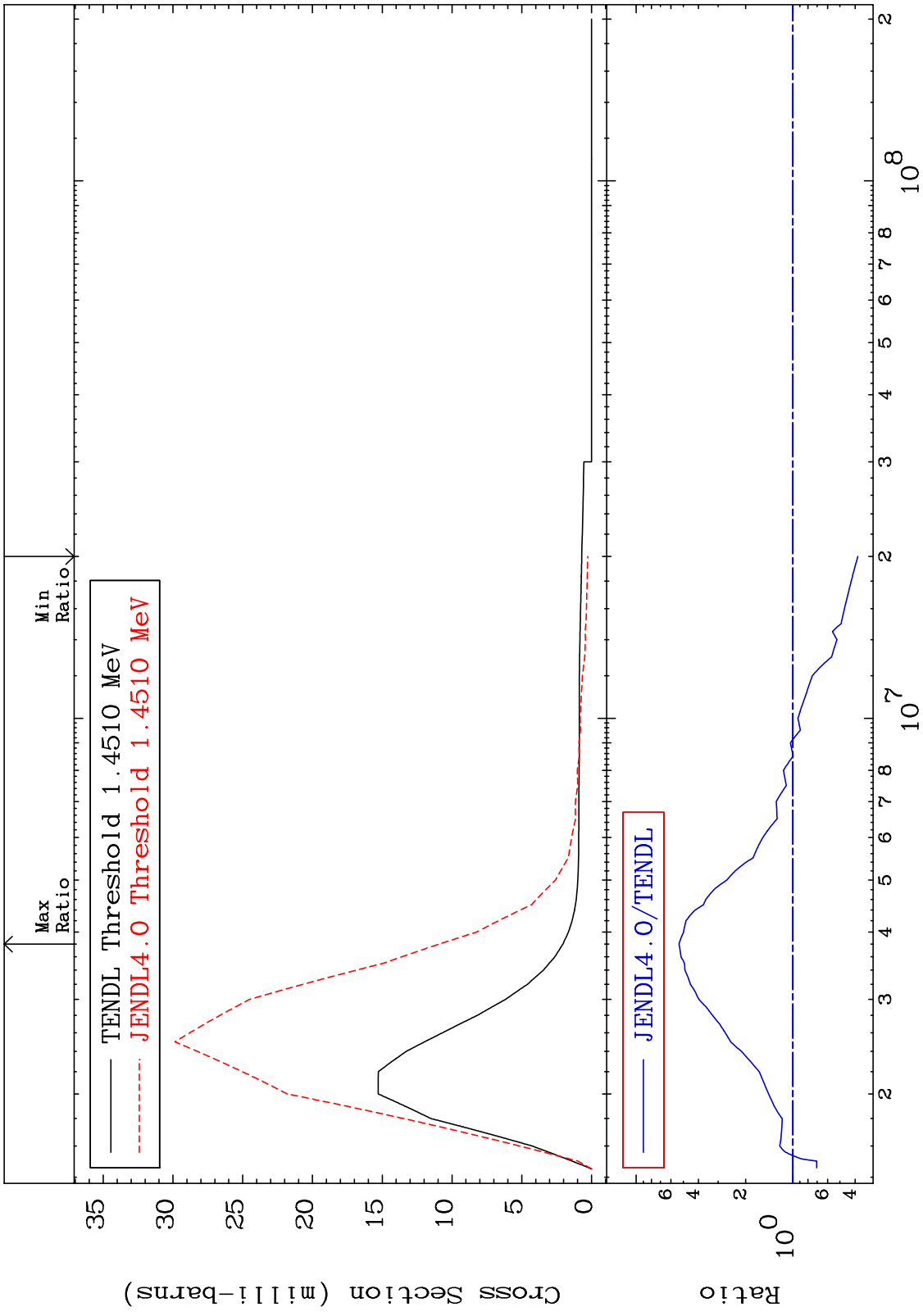
MAT 7225 MT= 65 (n,n') Level Cross Section 72-Hf-174 -66.15 To 363.5 %



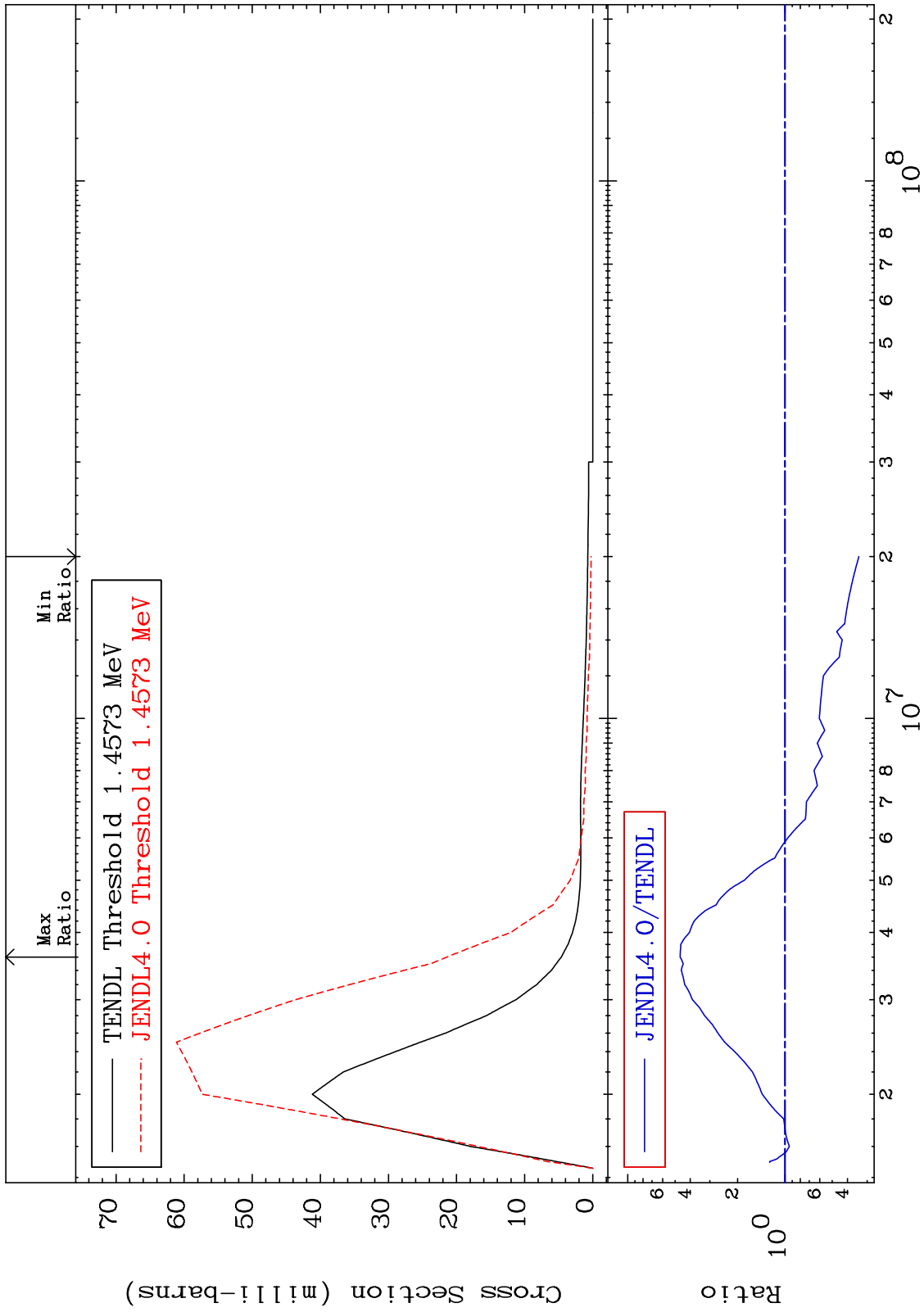
MAT 7225 MT= 66 (n,n') Level Cross Section 72-Hf-174
 -3.452 To 9999. %



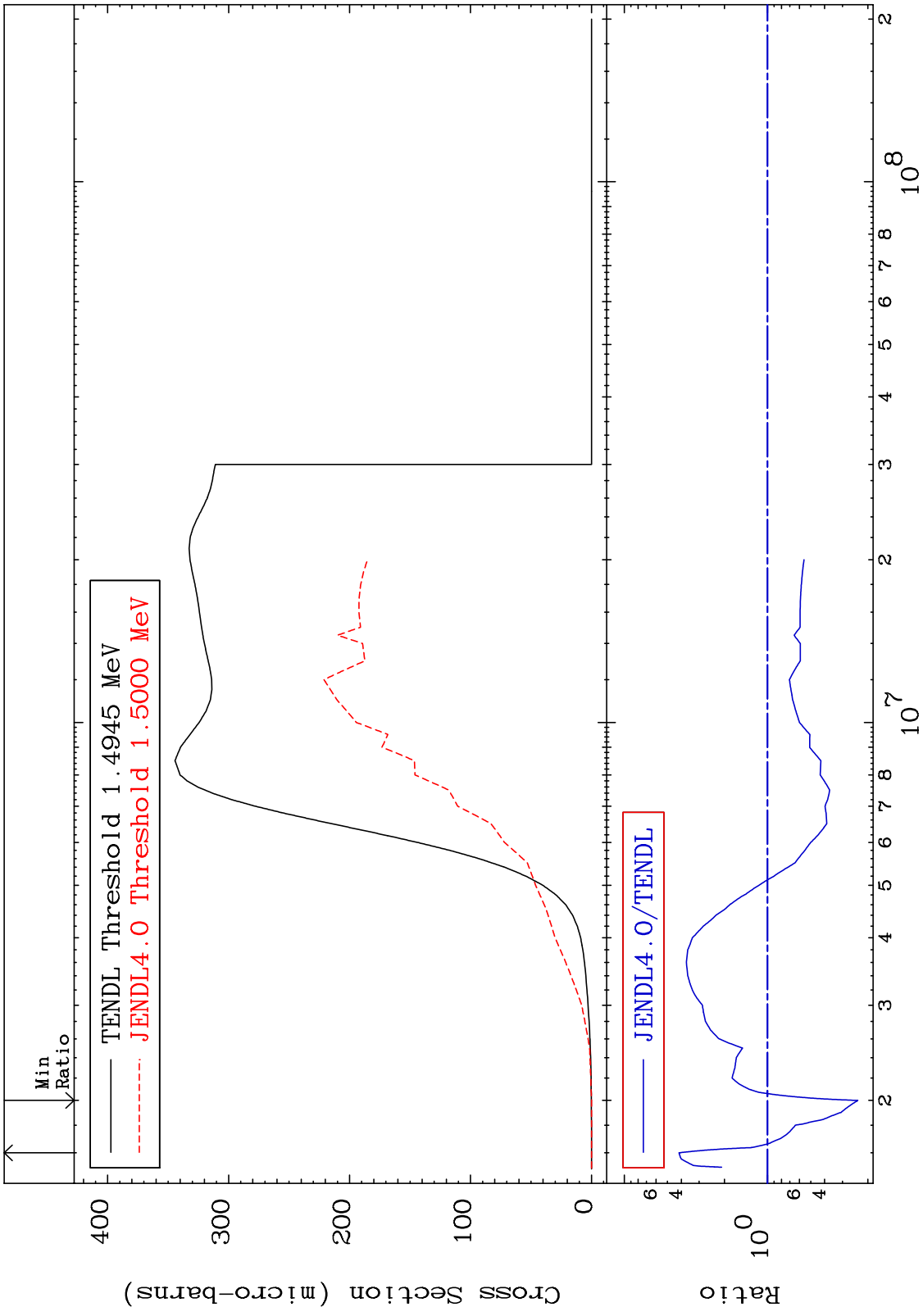
MAT 7225 MT= 67 (n,n') Level Cross Section 72-Hf-174 -61.57 To 432.7 %



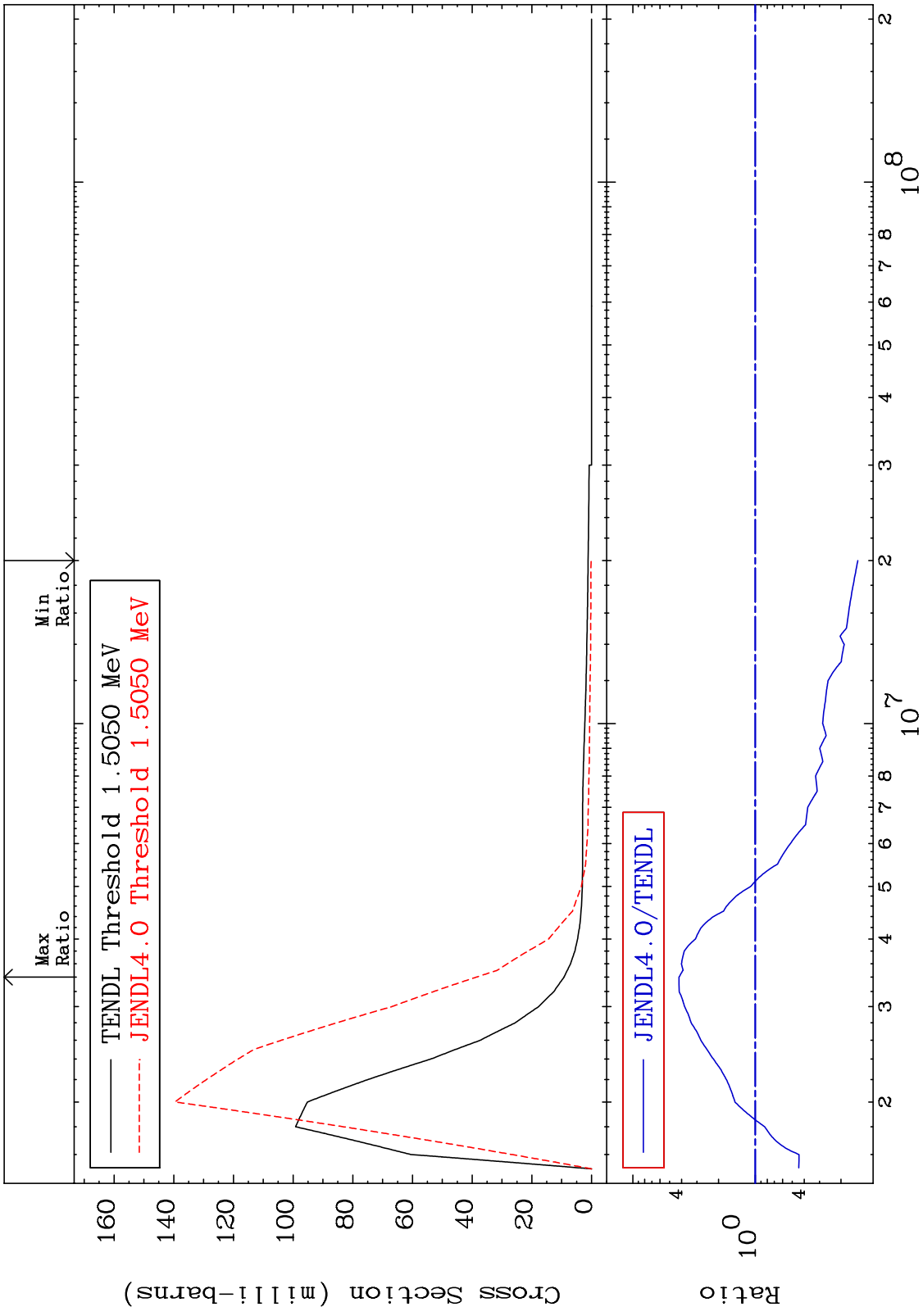
MAT 7225 MT= 68 (n,n') Level Cross Section 72-Hf-174
 -66.13 To 363.5 %



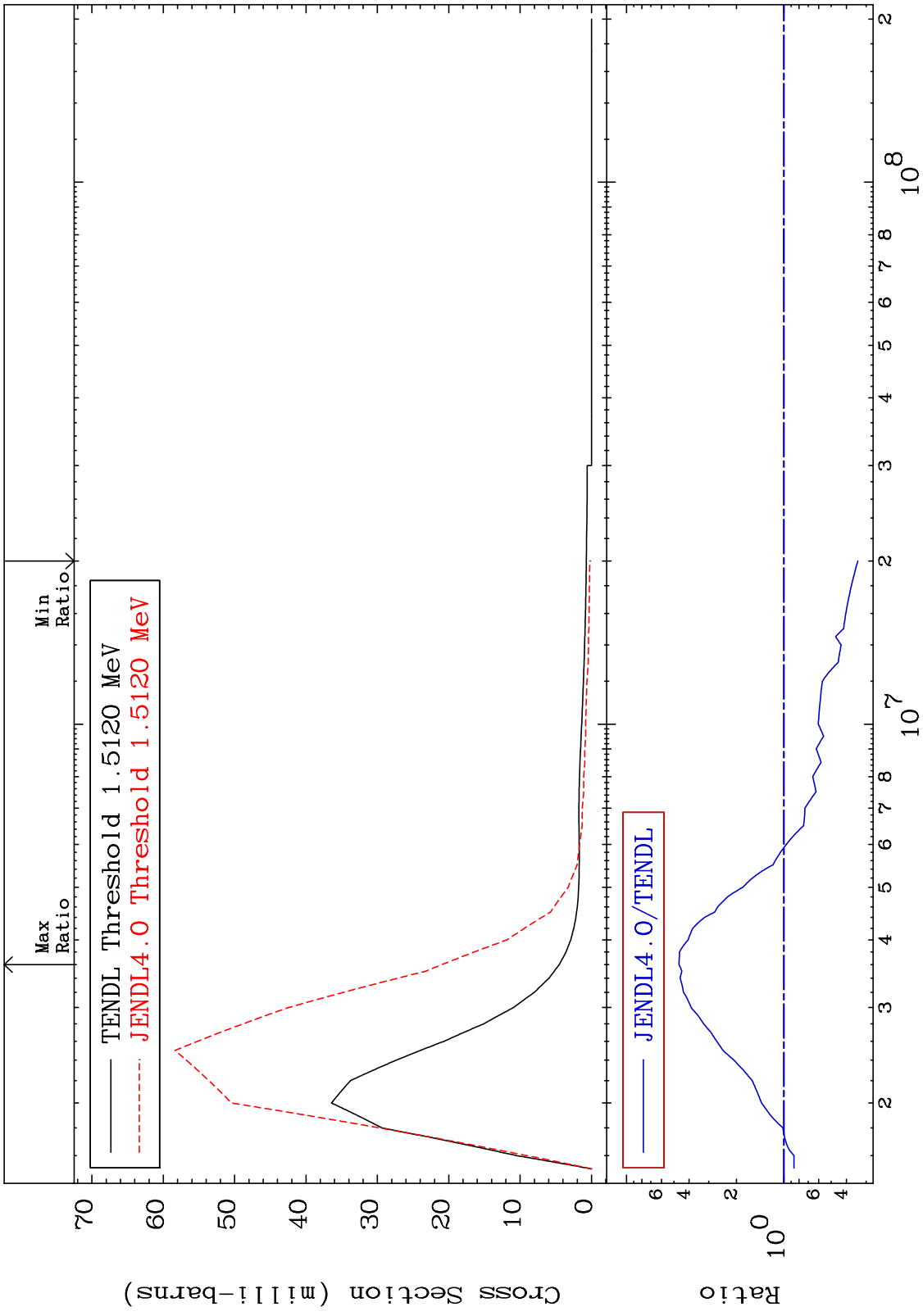
MAT 7225 MT= 69 (n,n') Level Cross Section 72-Hf-174 -76.53 To 314.6 %



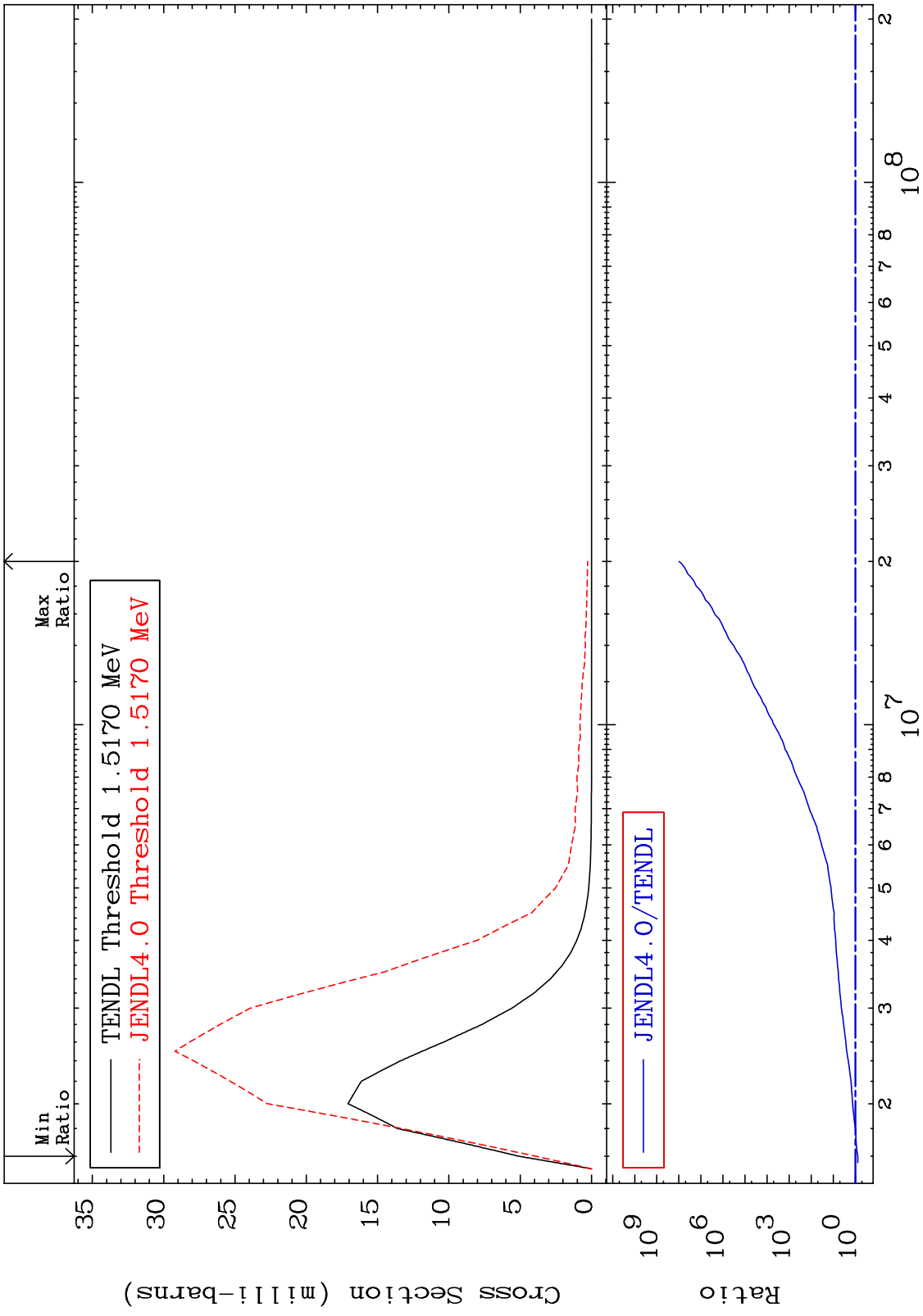
MAT 7225 MT= 70 (n,n') Level Cross Section 72-Hf-174 -85.42 To 319.3 %



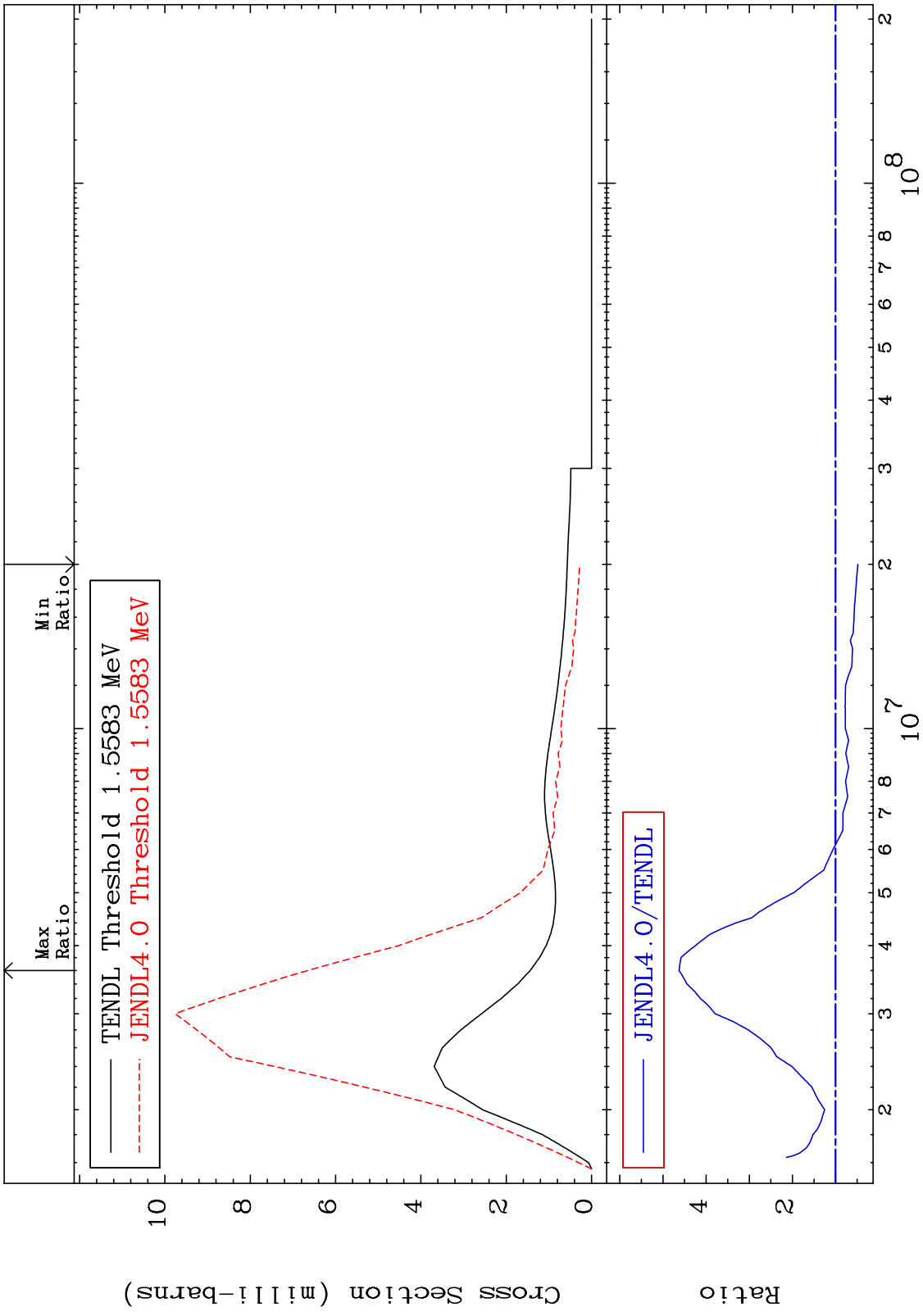
MAT 7225 MT= 71 (n,n') Level Cross Section 72-Hf-174
 -66.13 To 363.4 %



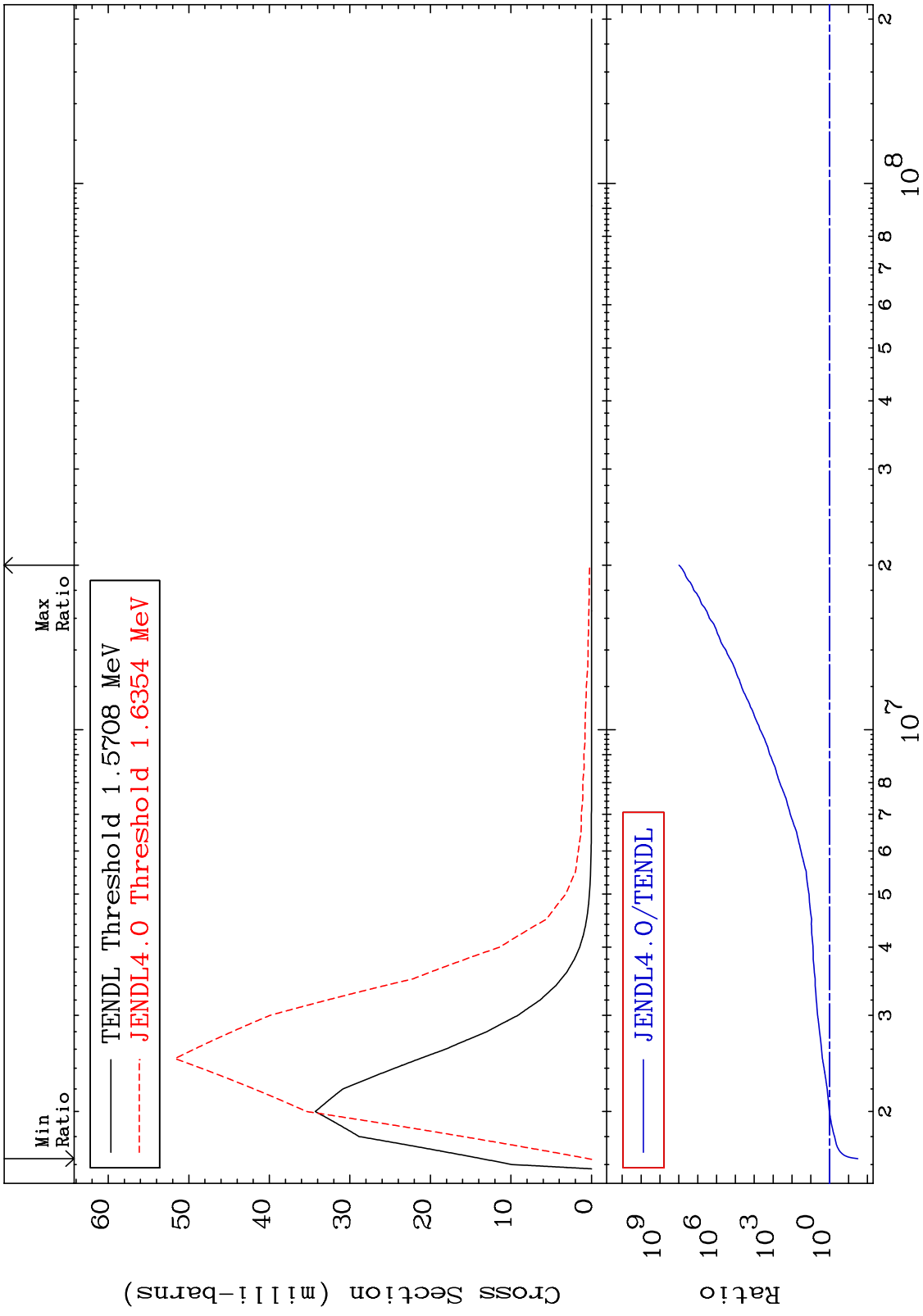
MAT 7225 MT= 72 (n,n') Level Cross Section 72-Hf-174
 -23.10 To 9999. %



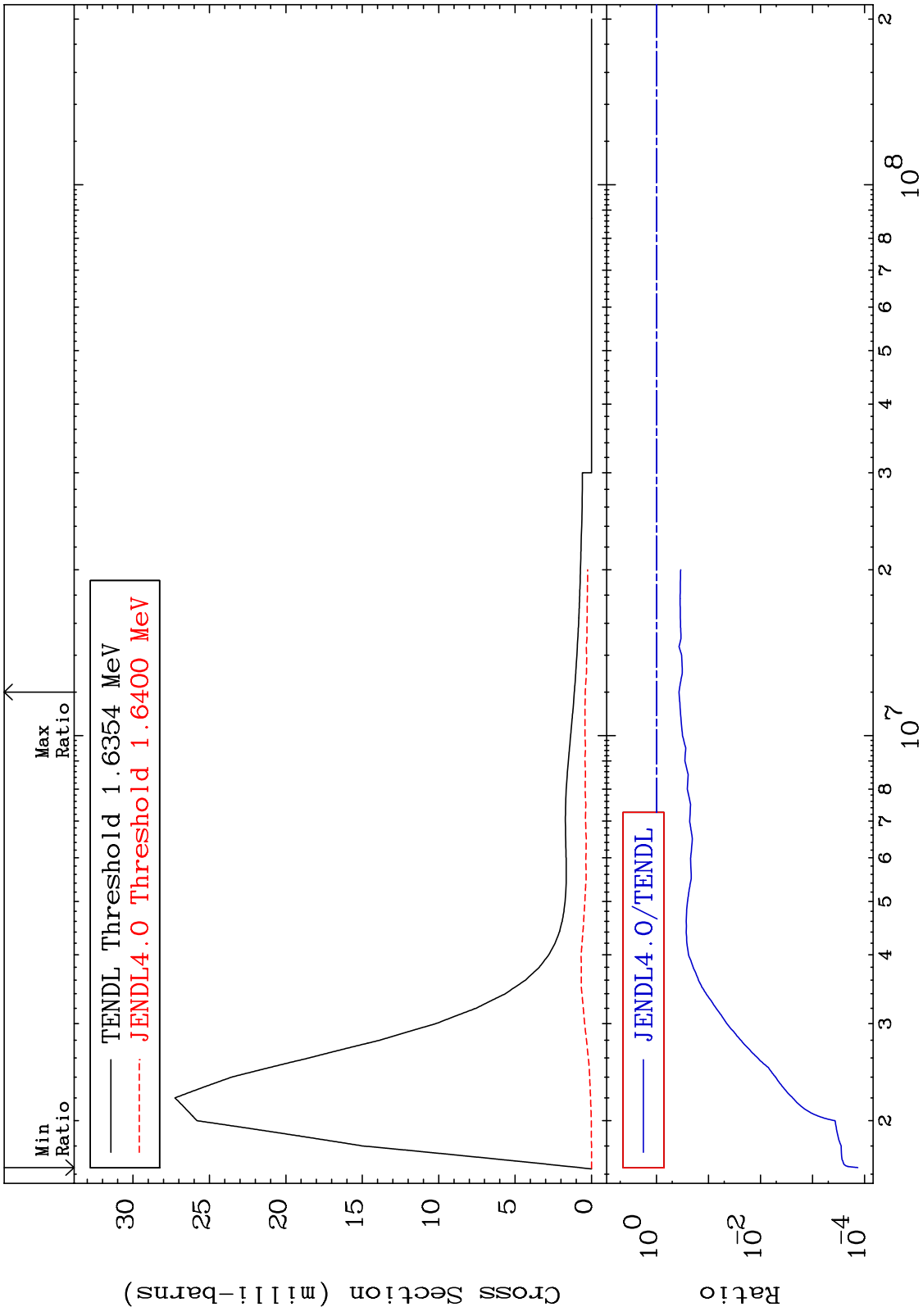
MAT 7225 MT= 73 (n,n') Level Cross Section 72-Hf-174 -51.53 To 362.7 %



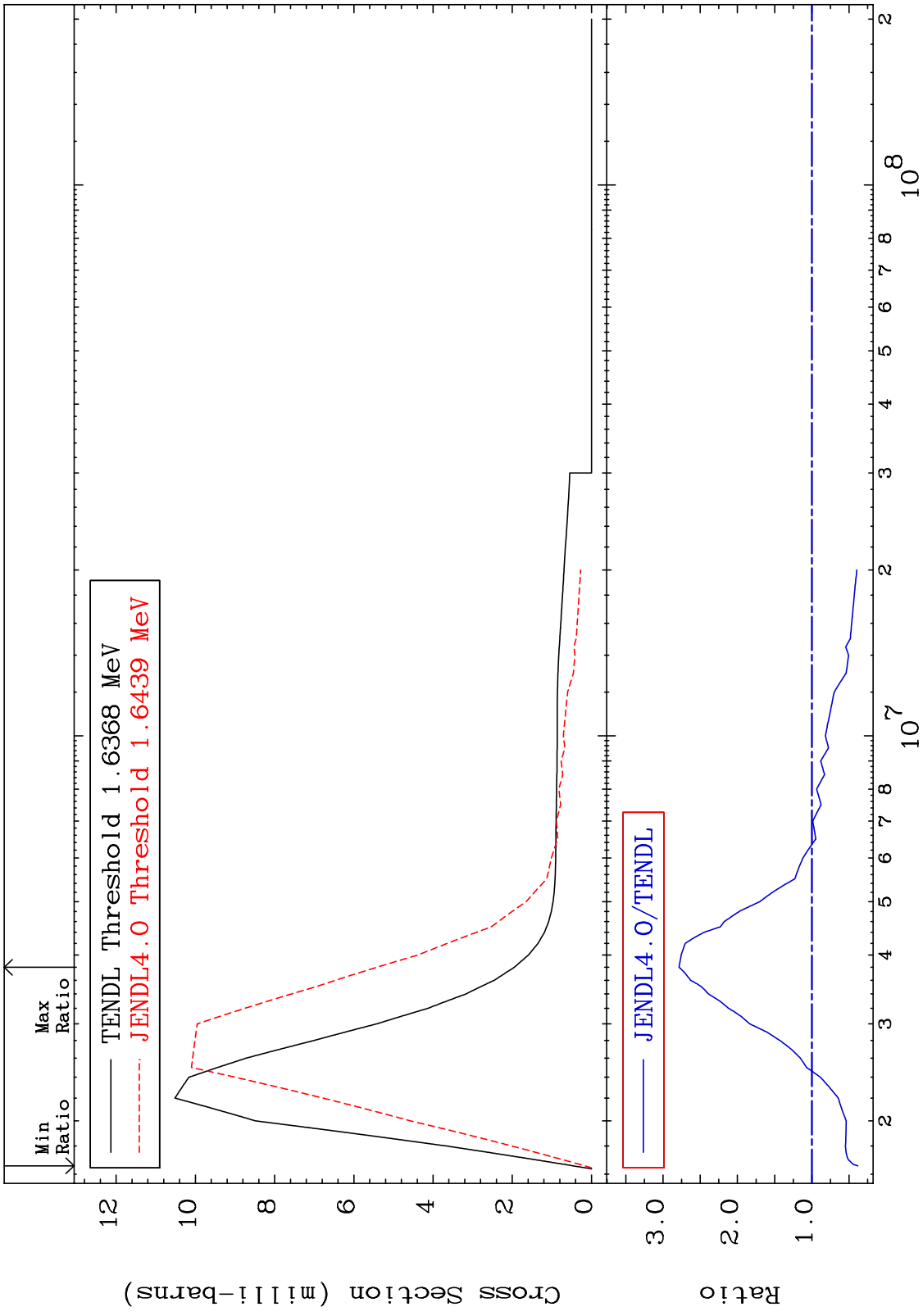
MAT 7225 MT= 74 (n,n') Level Cross Section 72-Hf-174 -96.79 To 9999. %



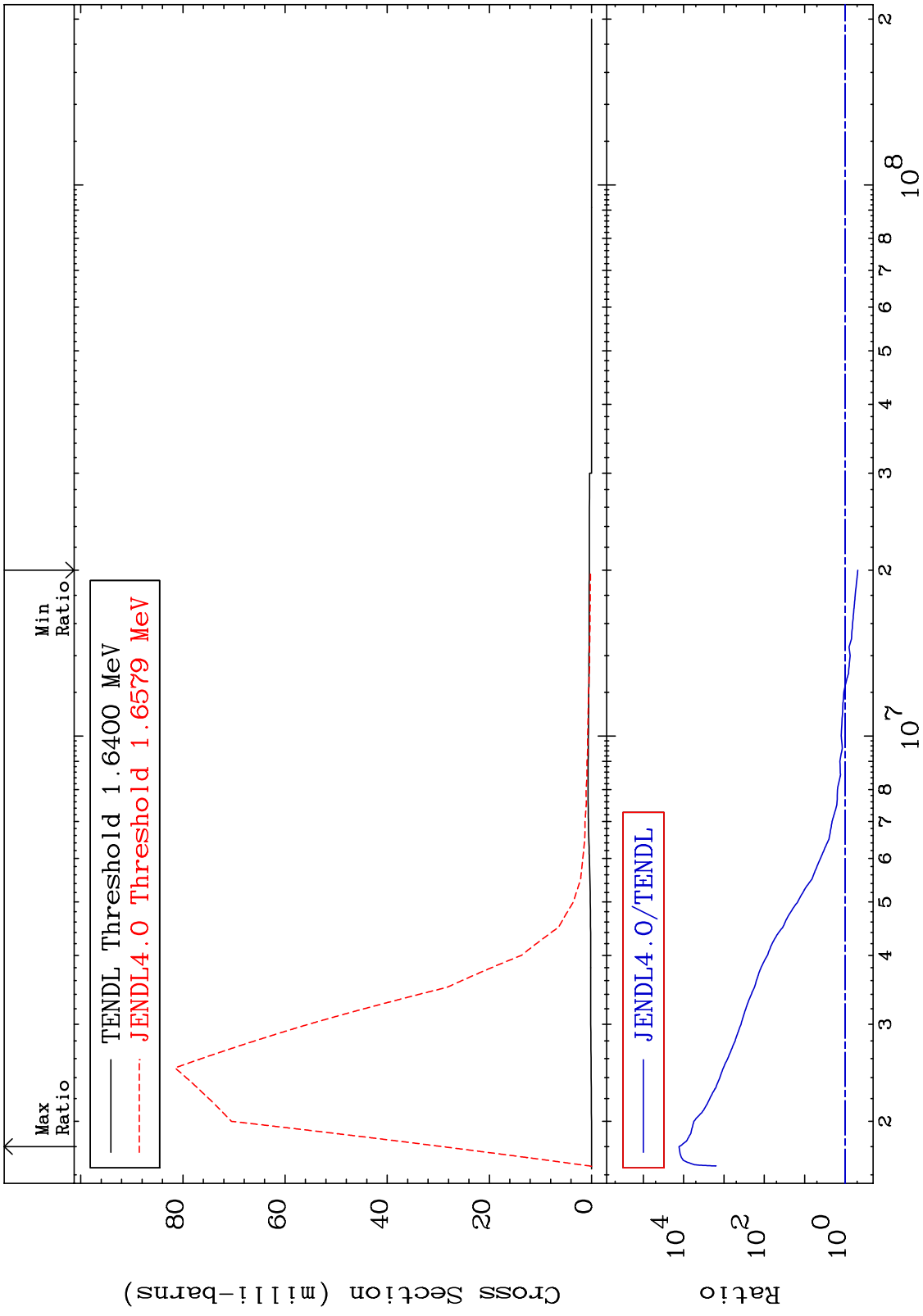
MAT 7225 MT= 75 (n,n') Level Cross Section 72-Hf-174
 -99.99 To -63.09%



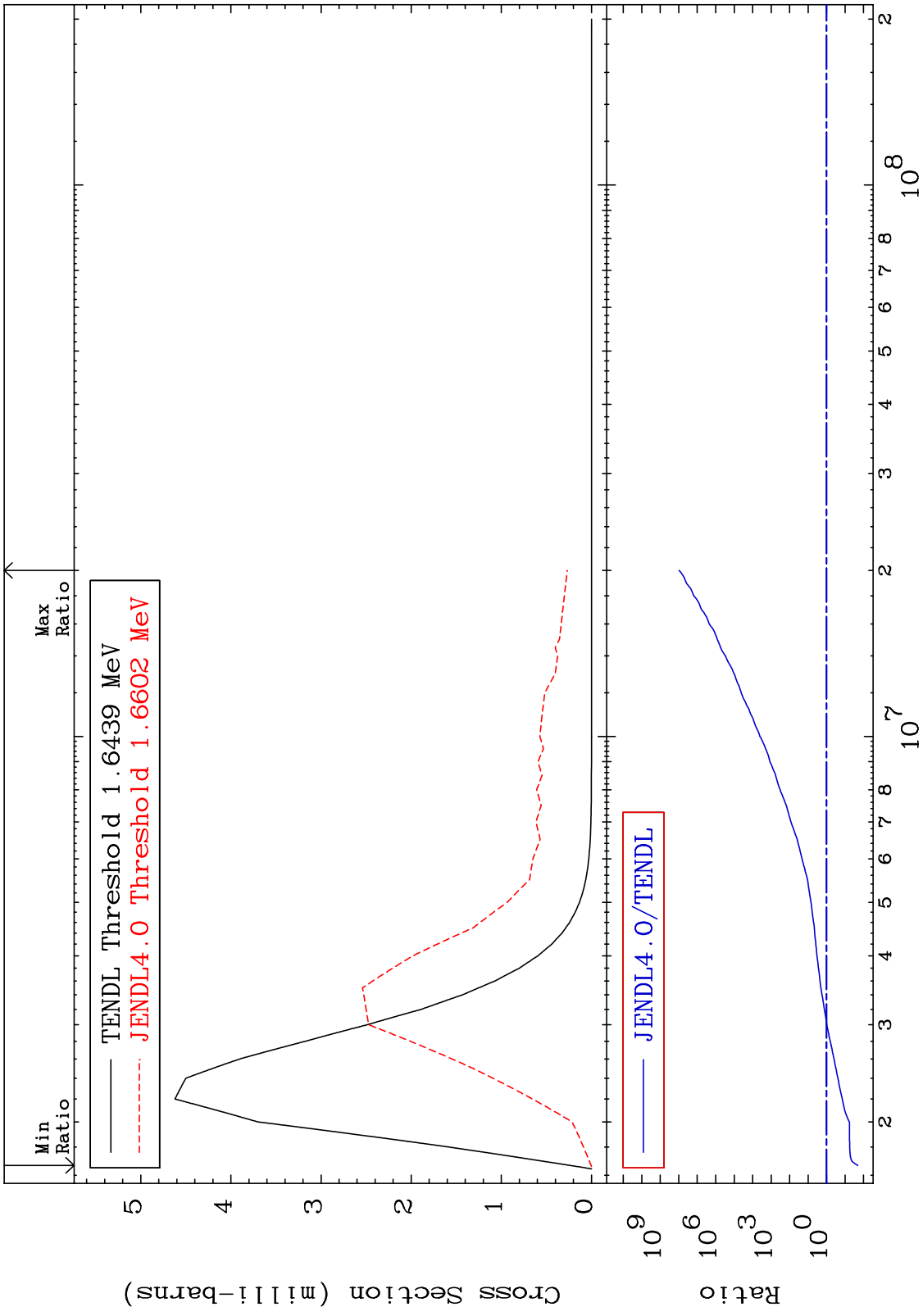
MAT 7225 MT= 76 (n,n') Level Cross Section 72-Hf-174
 -61.76 To 178.4 %



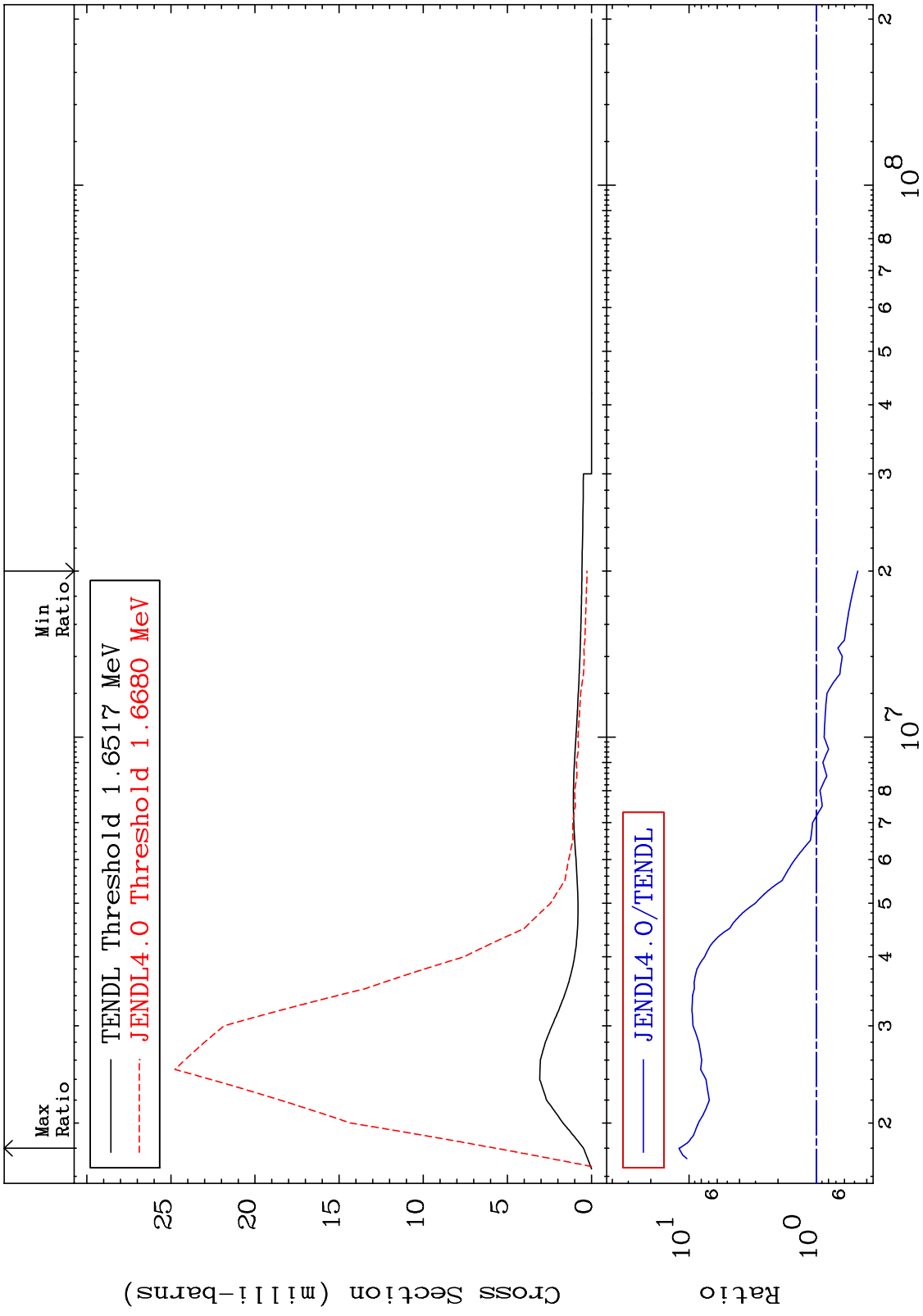
MAT 7225 MT= 77 (n,n') Level Cross Section 72-Hf-174
 -51.94 To 9999. %



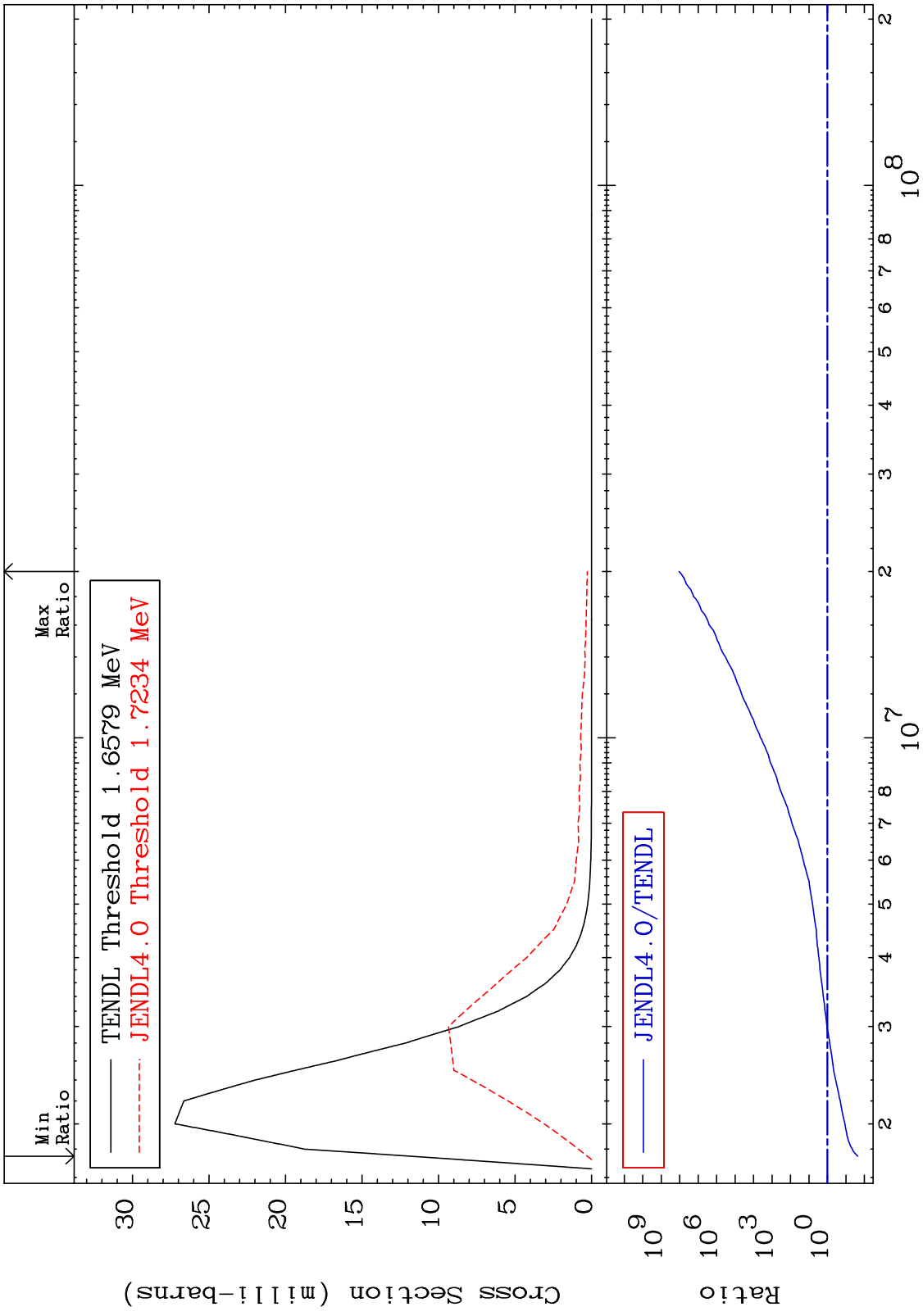
MAT 7225 MT= 78 (n,n') Level Cross Section 72-Hf-174
 -97.96 To 9999. %

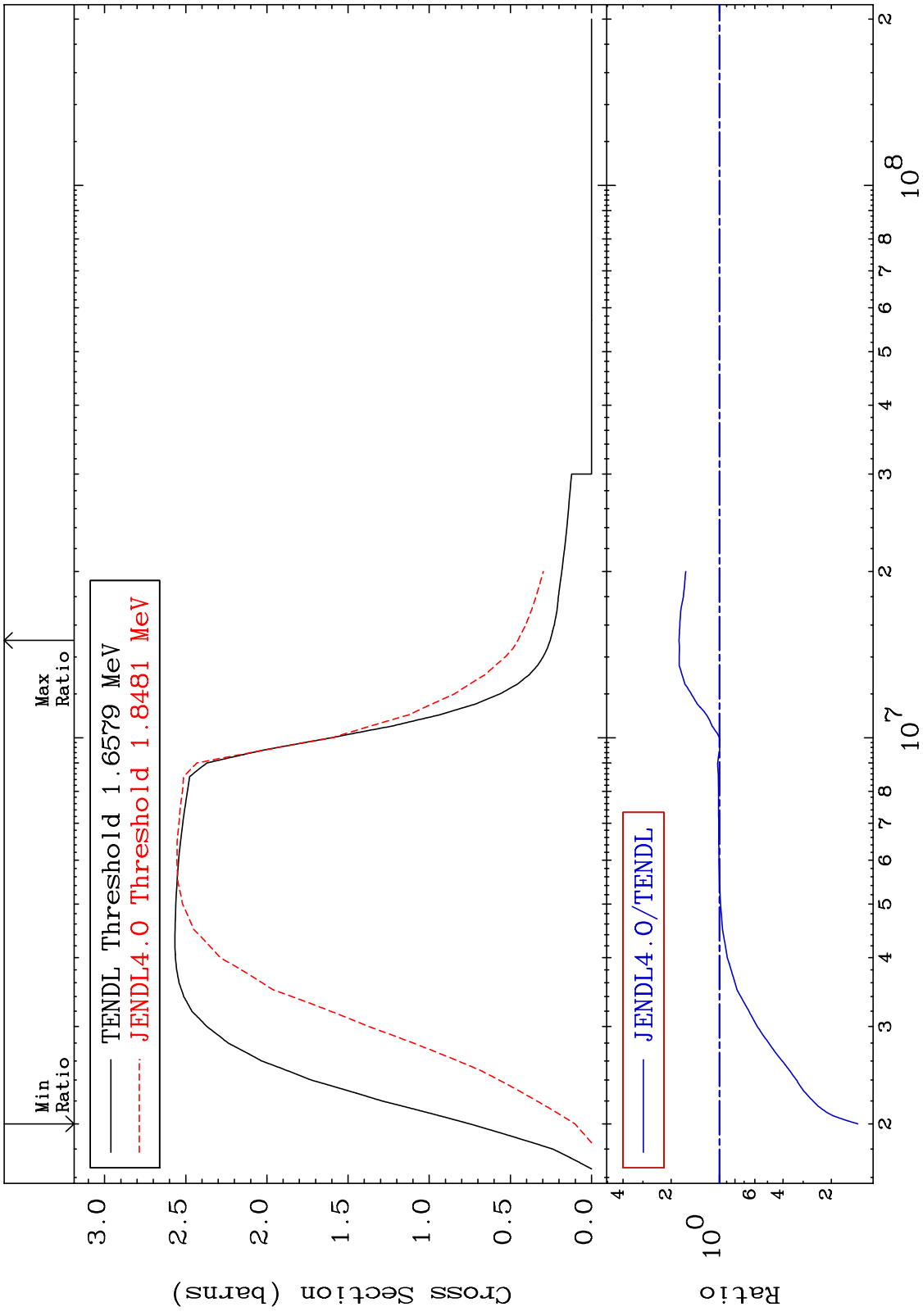


MAT 7225 MT= 79 (n,n') Level Cross Section 72-Hf-174 -52.93 To 1097. %



MAT 7225 MT= 80 (n,n') Level Cross Section 72-Hf-174
 -97.72 To 9999. %





MAT 7225

(n, γ)

72-Hf-174

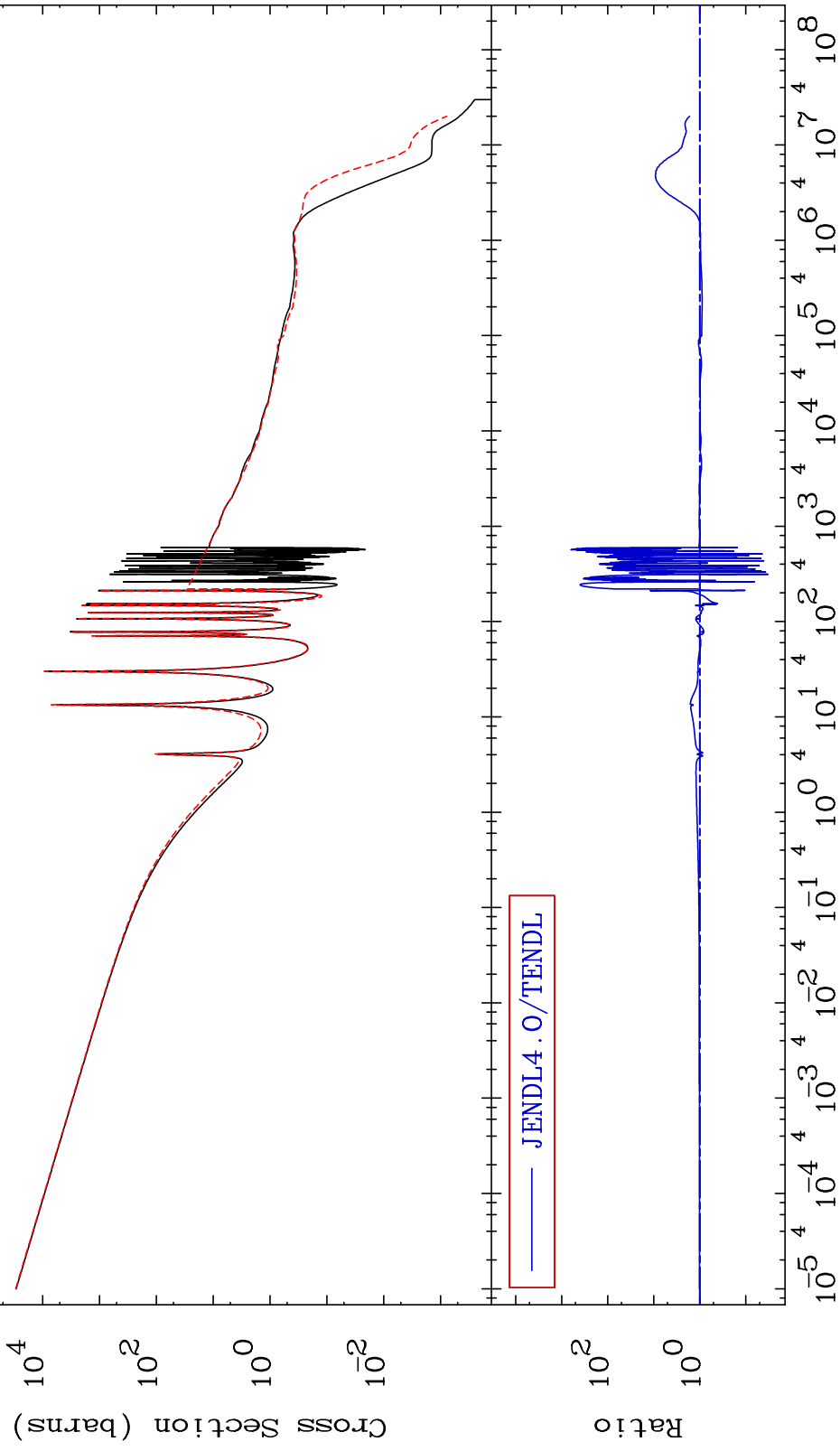
-96.75 To 9999. %

Cross Section

Min Ratio

Max Ratio

TENDL
JENDL4.0



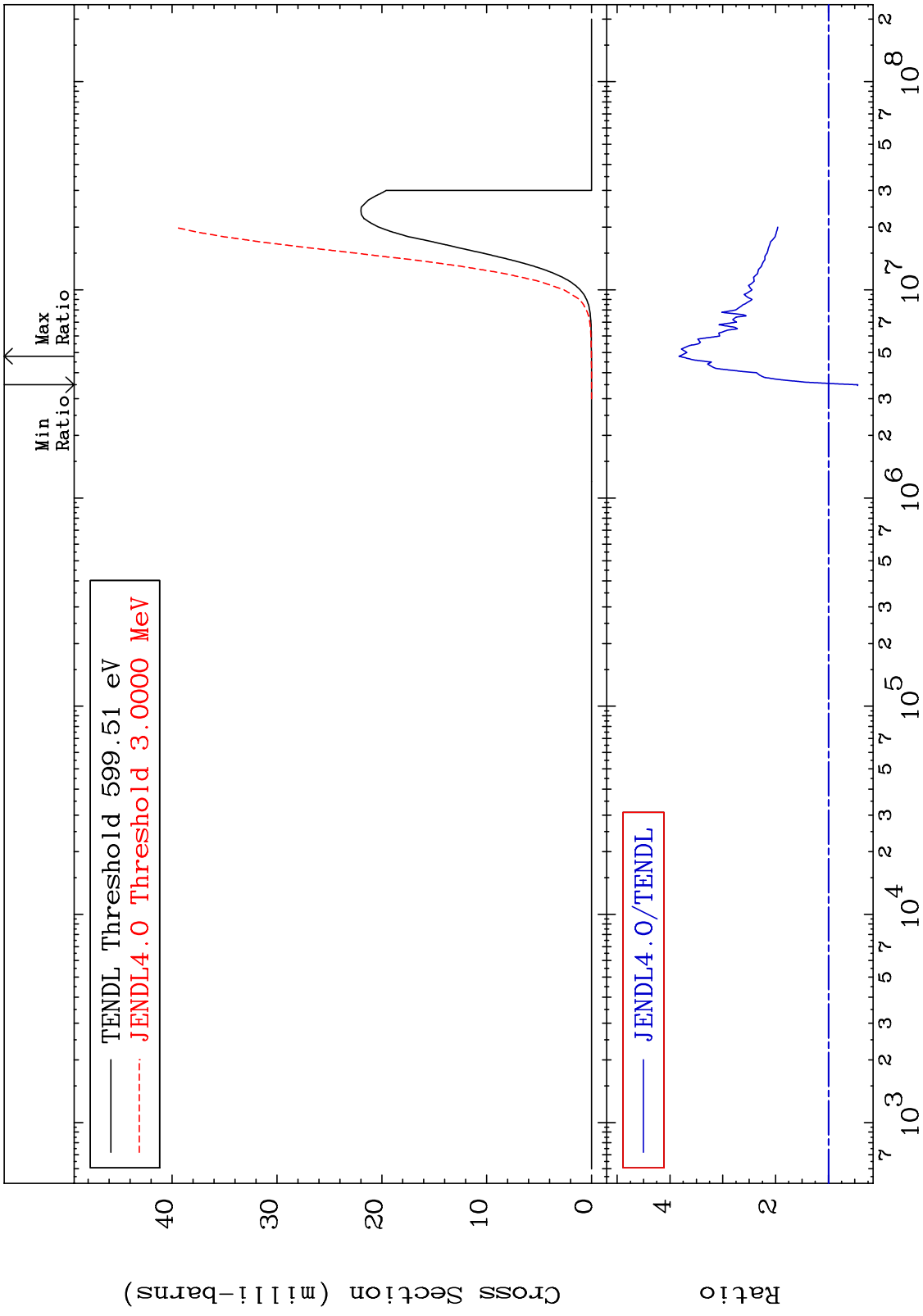
JENDL4.0/TENDL

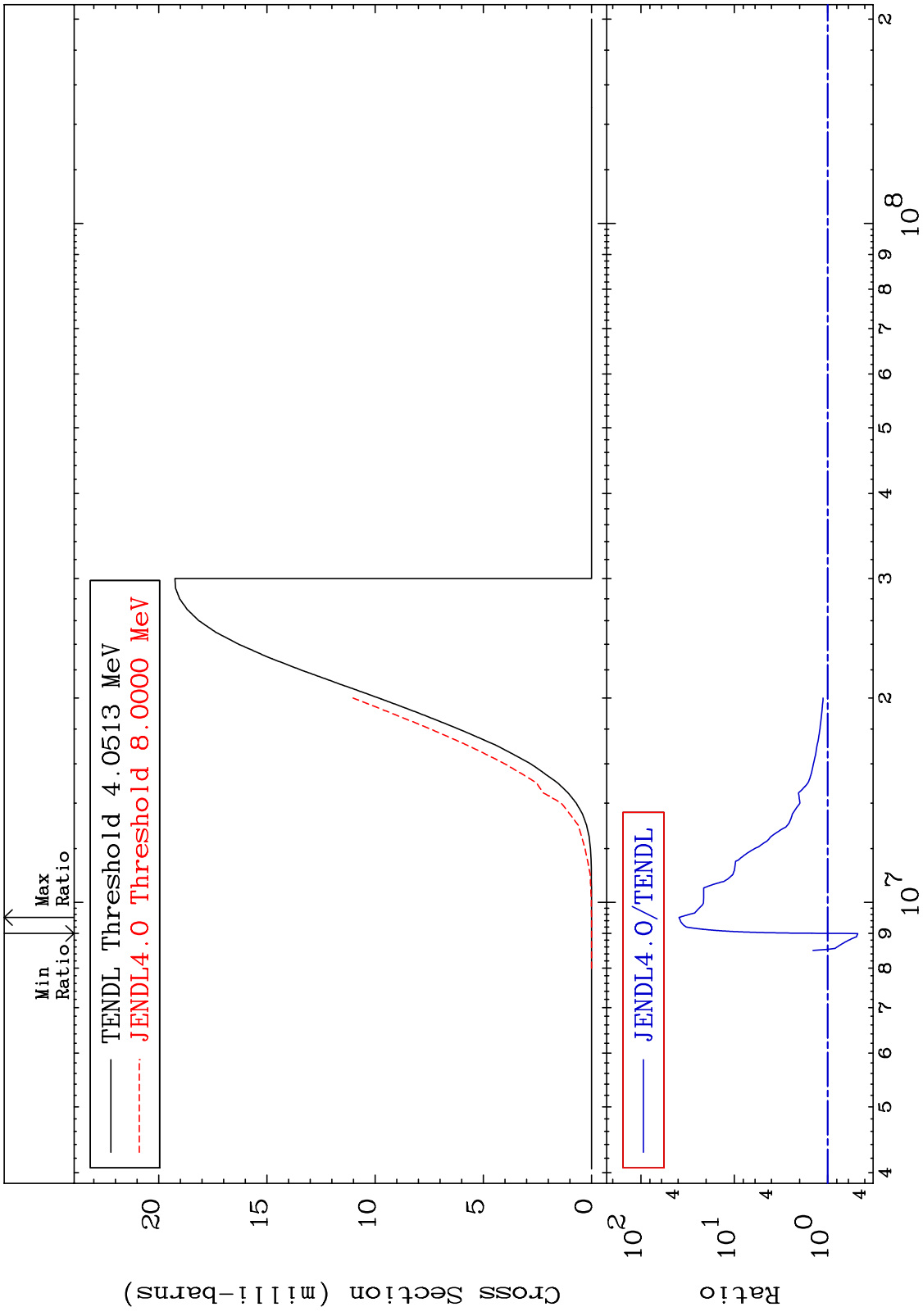
40

Incident Energy (eV)

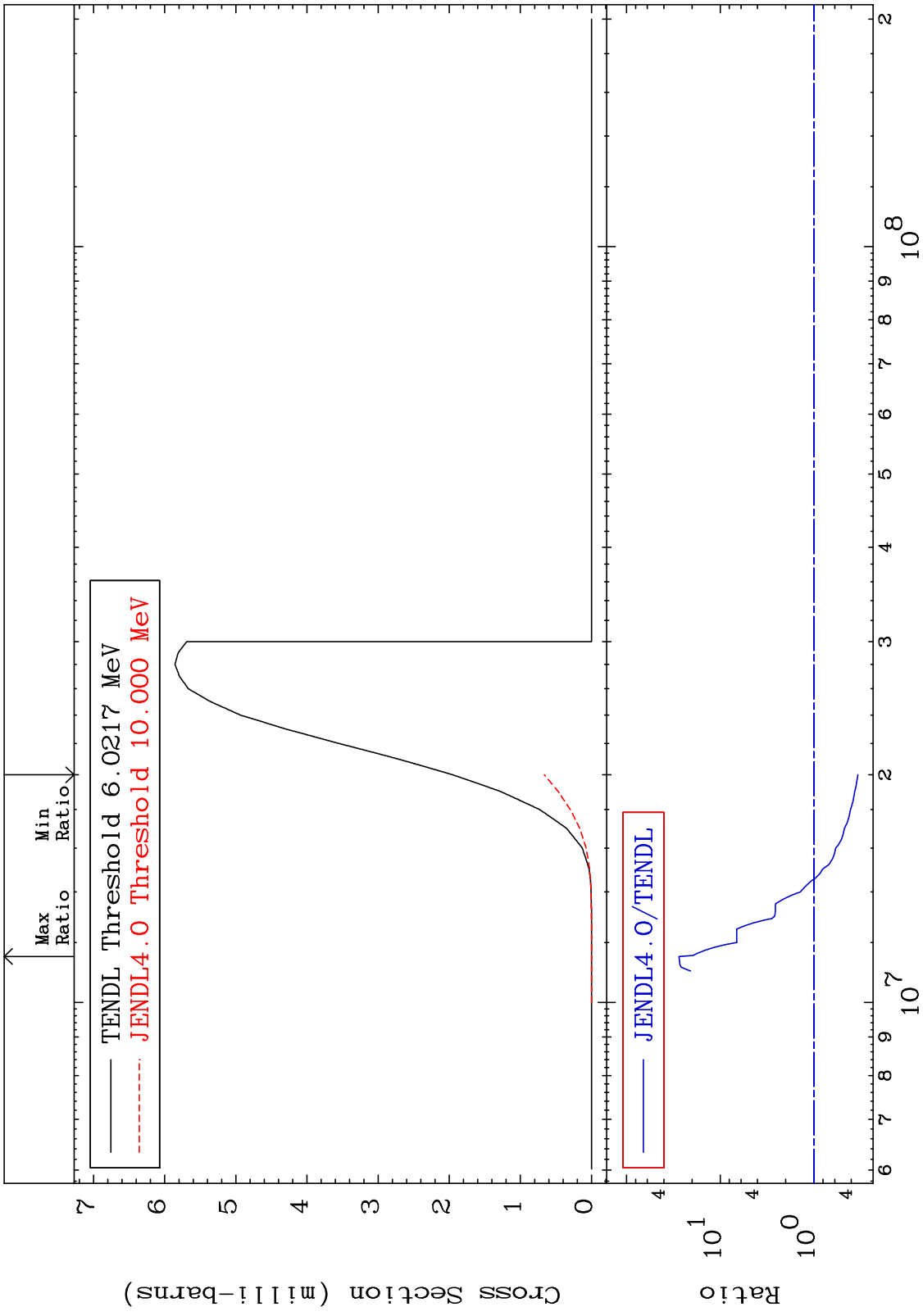
72-Hf-174

MAT 7225 (n,p) Cross Section 72-Hf-174 -55.69 To 282.8 %





MAT 7225 (n,t) Cross Section 72-Hf-174 -65.97 To 2651. %



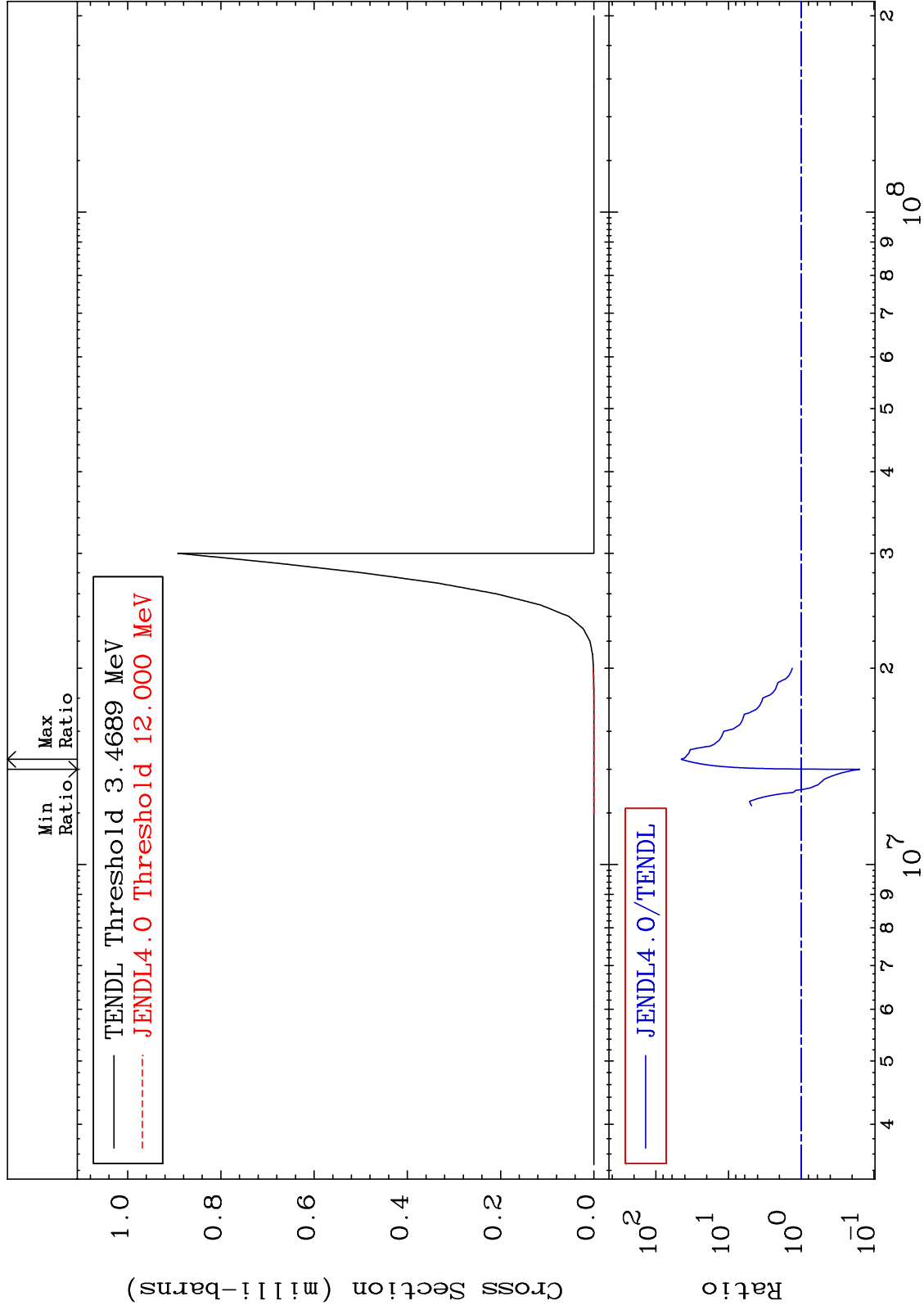
MAT 7225

(n,He-3)

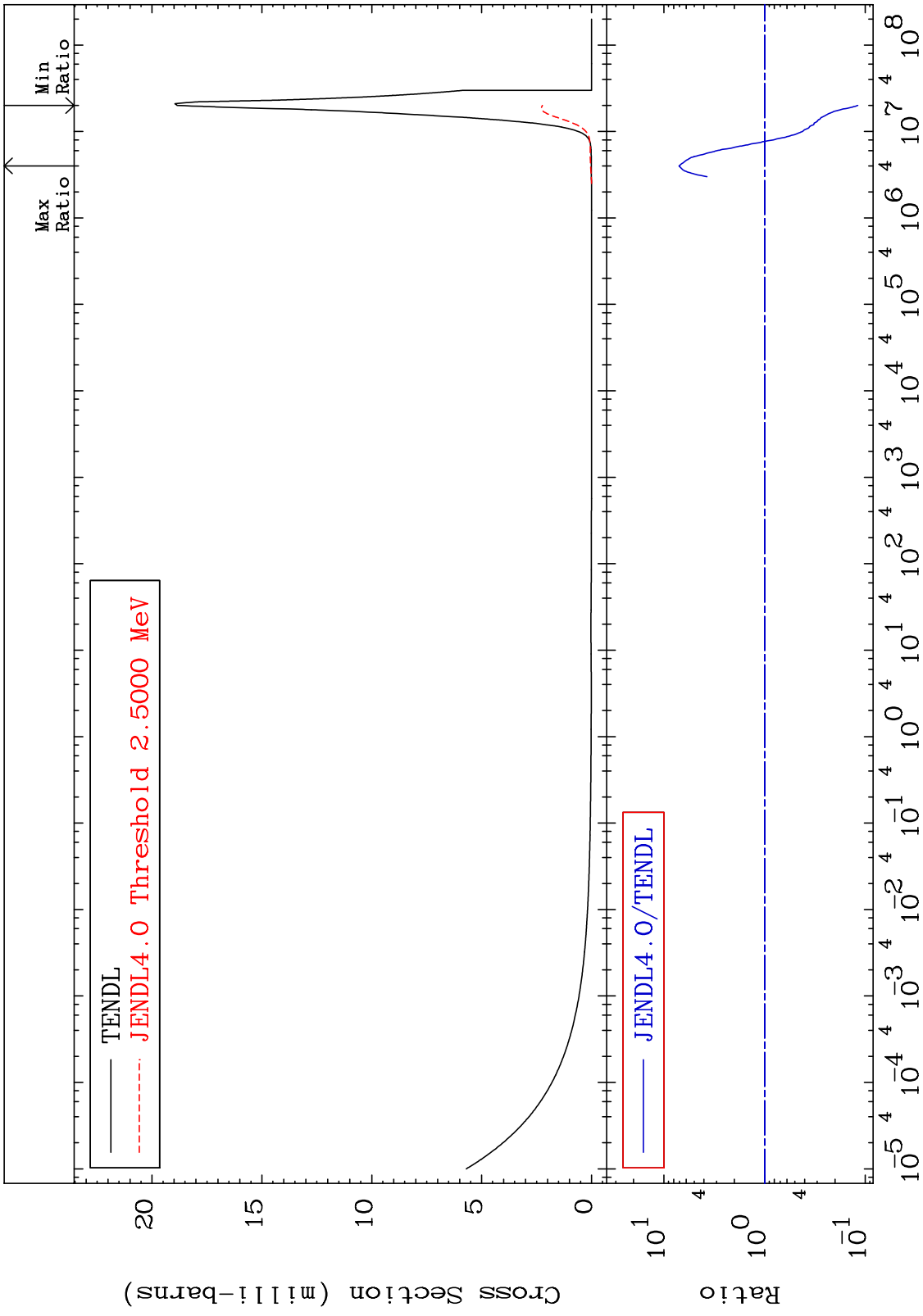
72-Hf-174

Cross Section

-84.30 To 4389. %



MAT 7225 (n,α) Cross Section 72-Hf-174
 -88.15 To 607.2 %

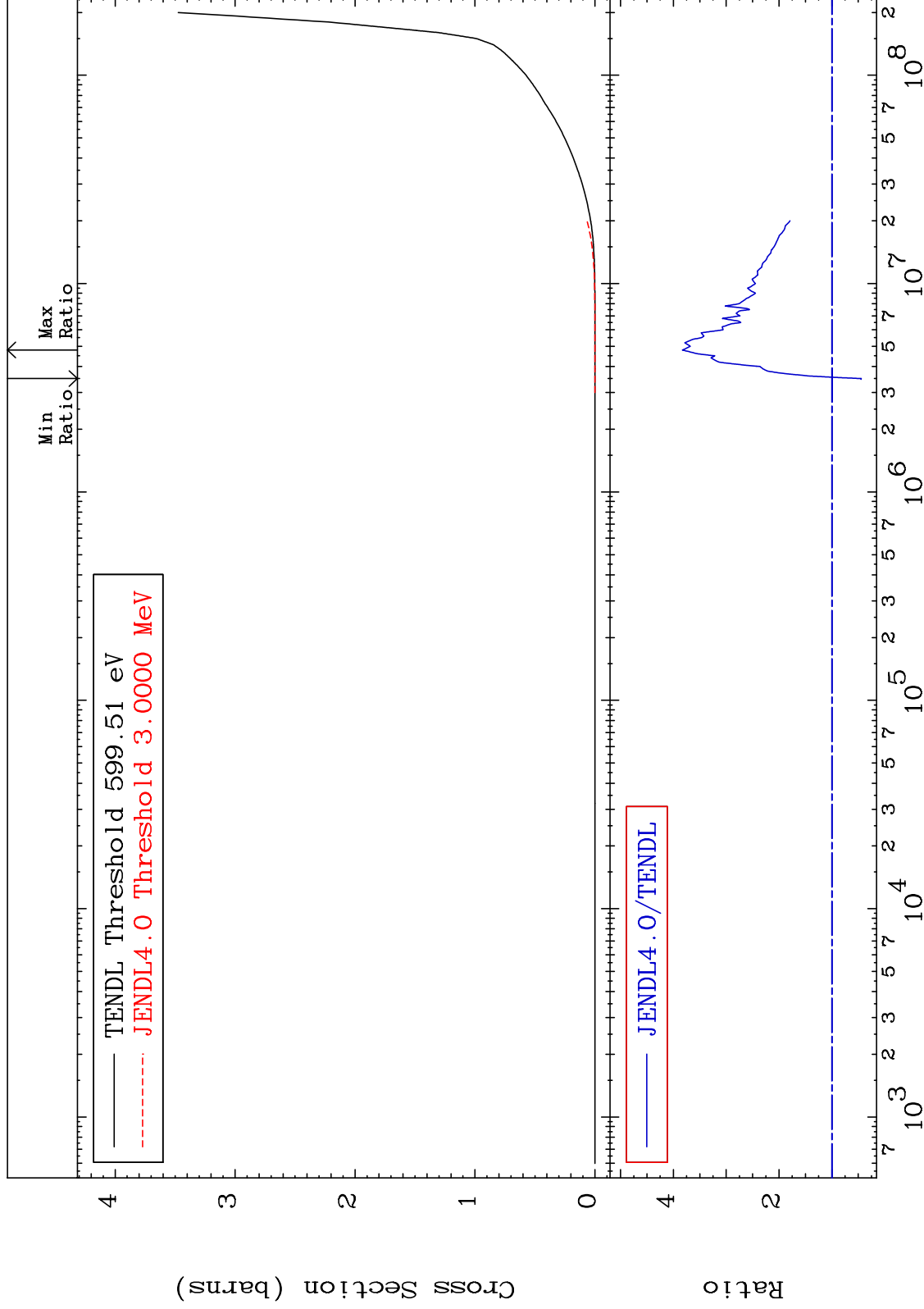


45 Incident Energy (eV) 72-Hf-174

MAT 7225

Hydrogen Production Cross Section

72-Hf-174
-55.69 To 282.8 %



46

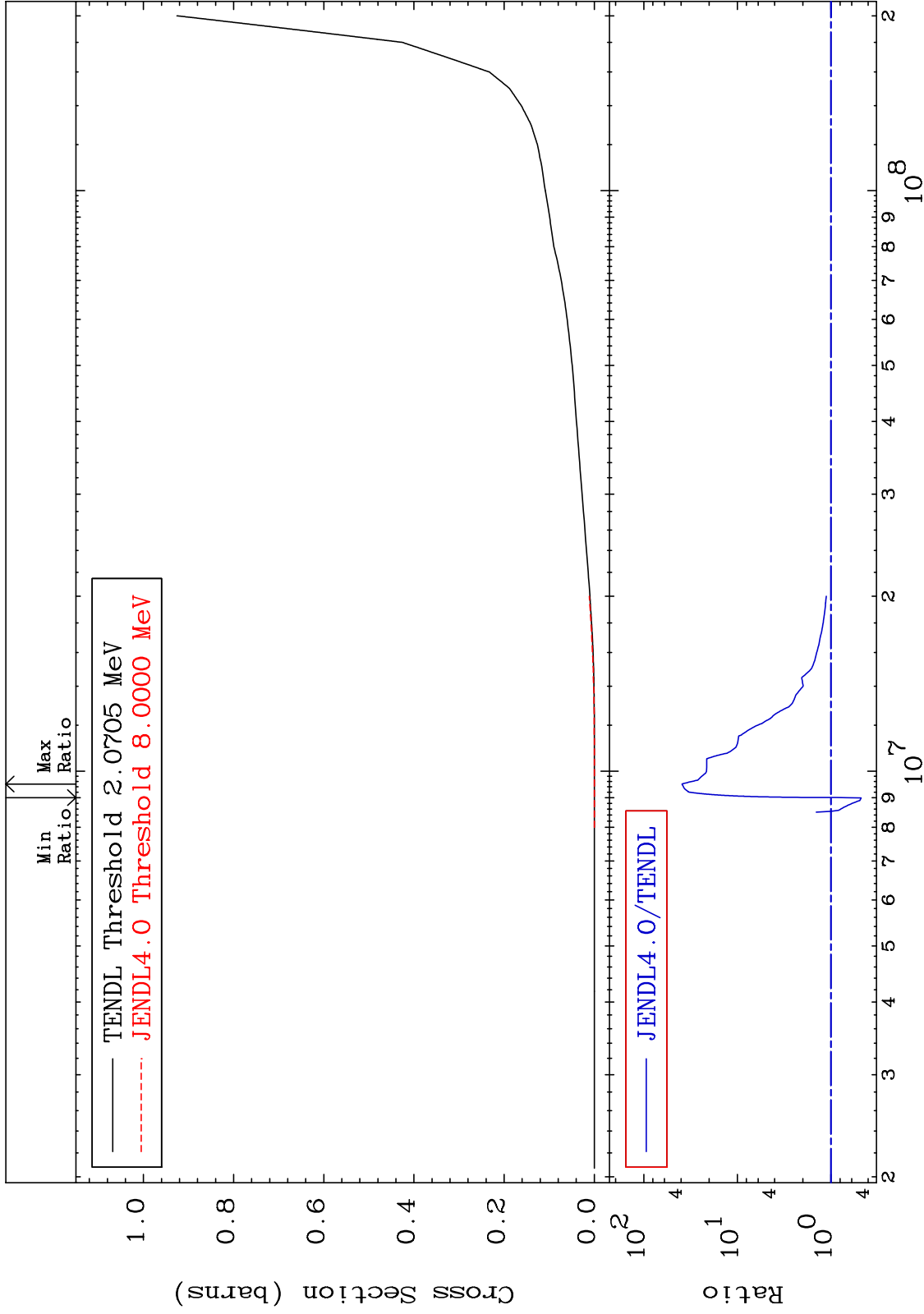
Incident Energy (eV)

72-Hf-174

MAT 7225

Deuterium Production
Cross Section

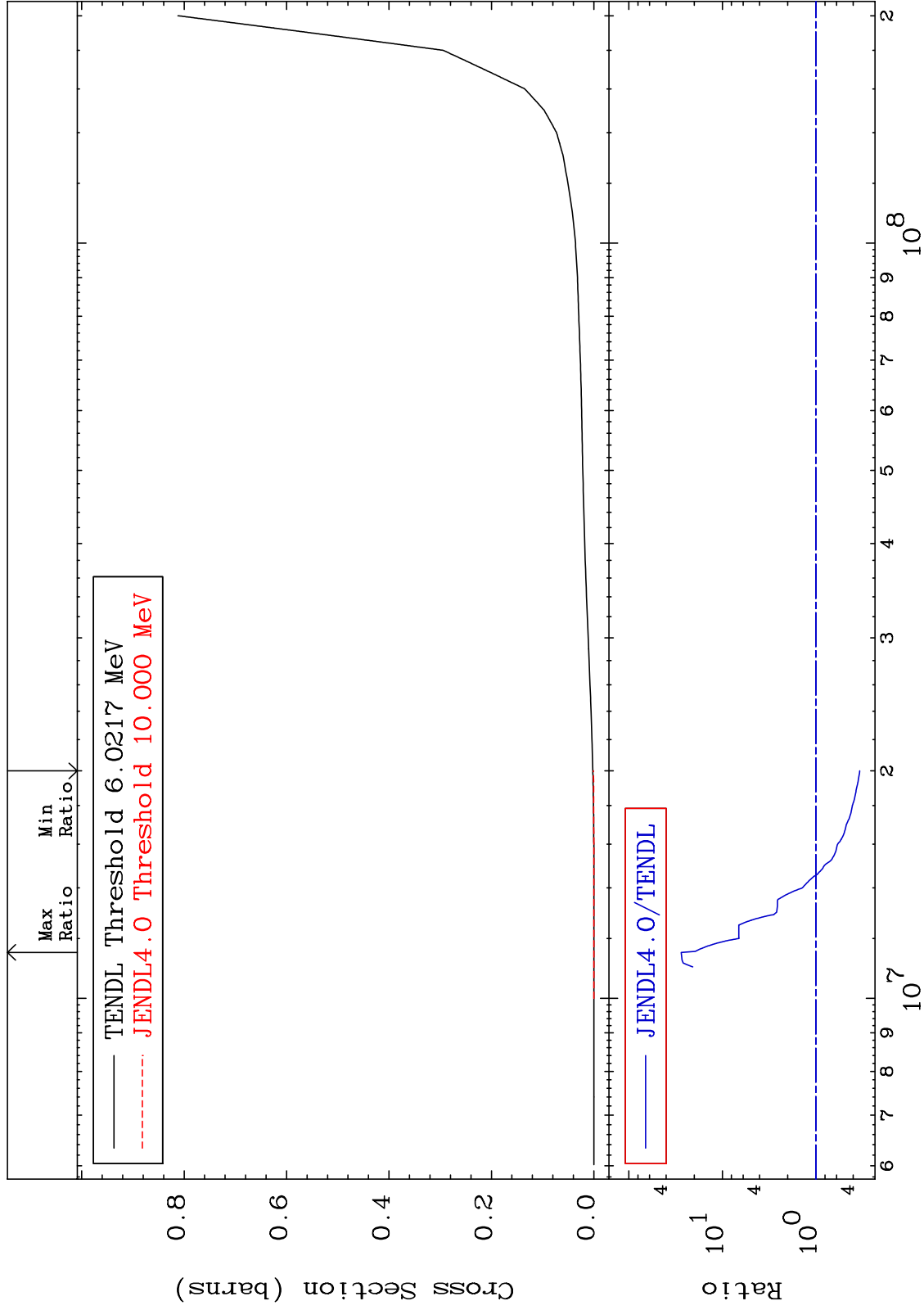
72-Hf-174
-52.41 To 3802. %



MAT 7225

Tritium Production
Cross Section

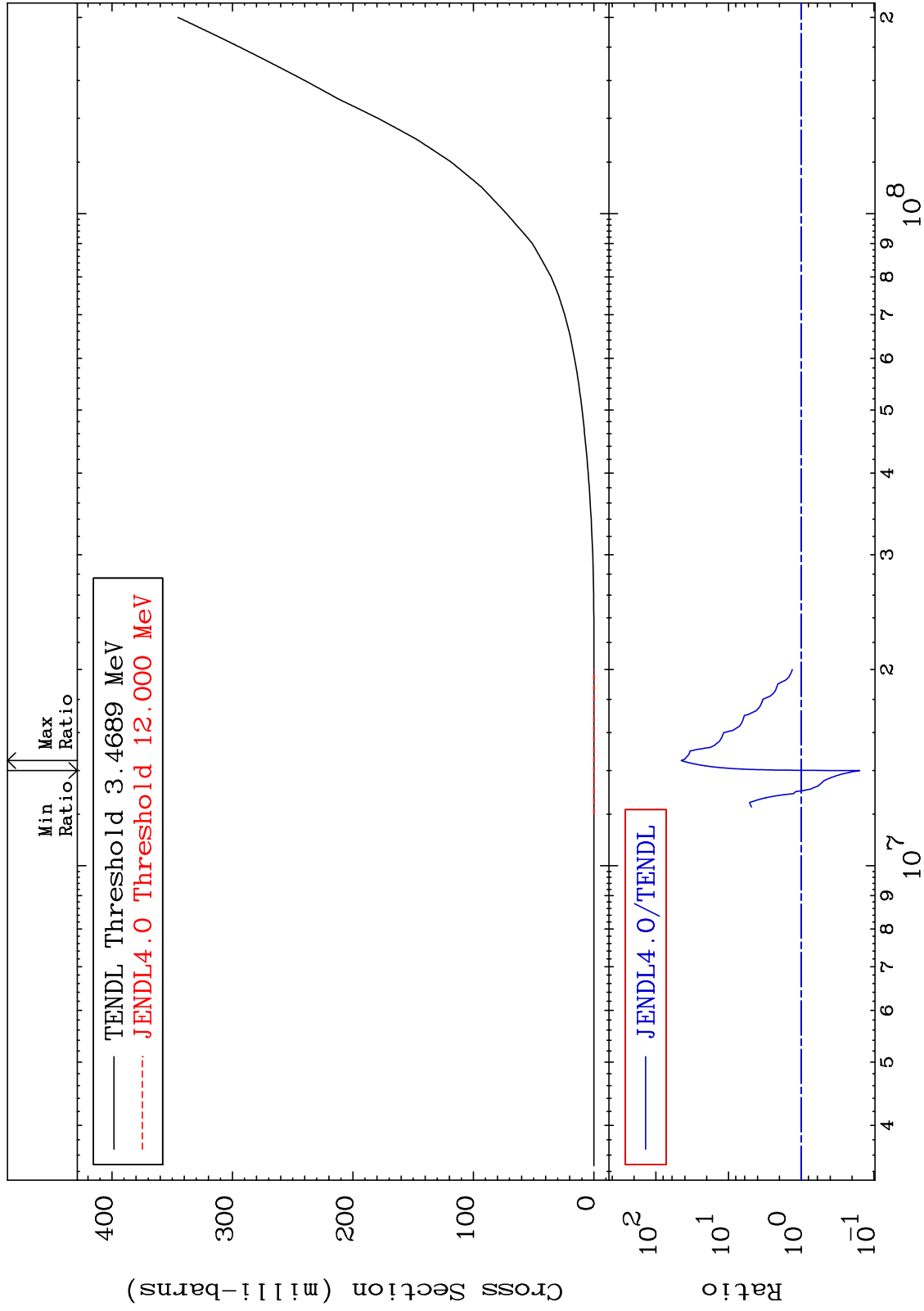
72-Hf-174
-66.00 To 2651. %



MAT 7225

He-3 Production
Cross Section

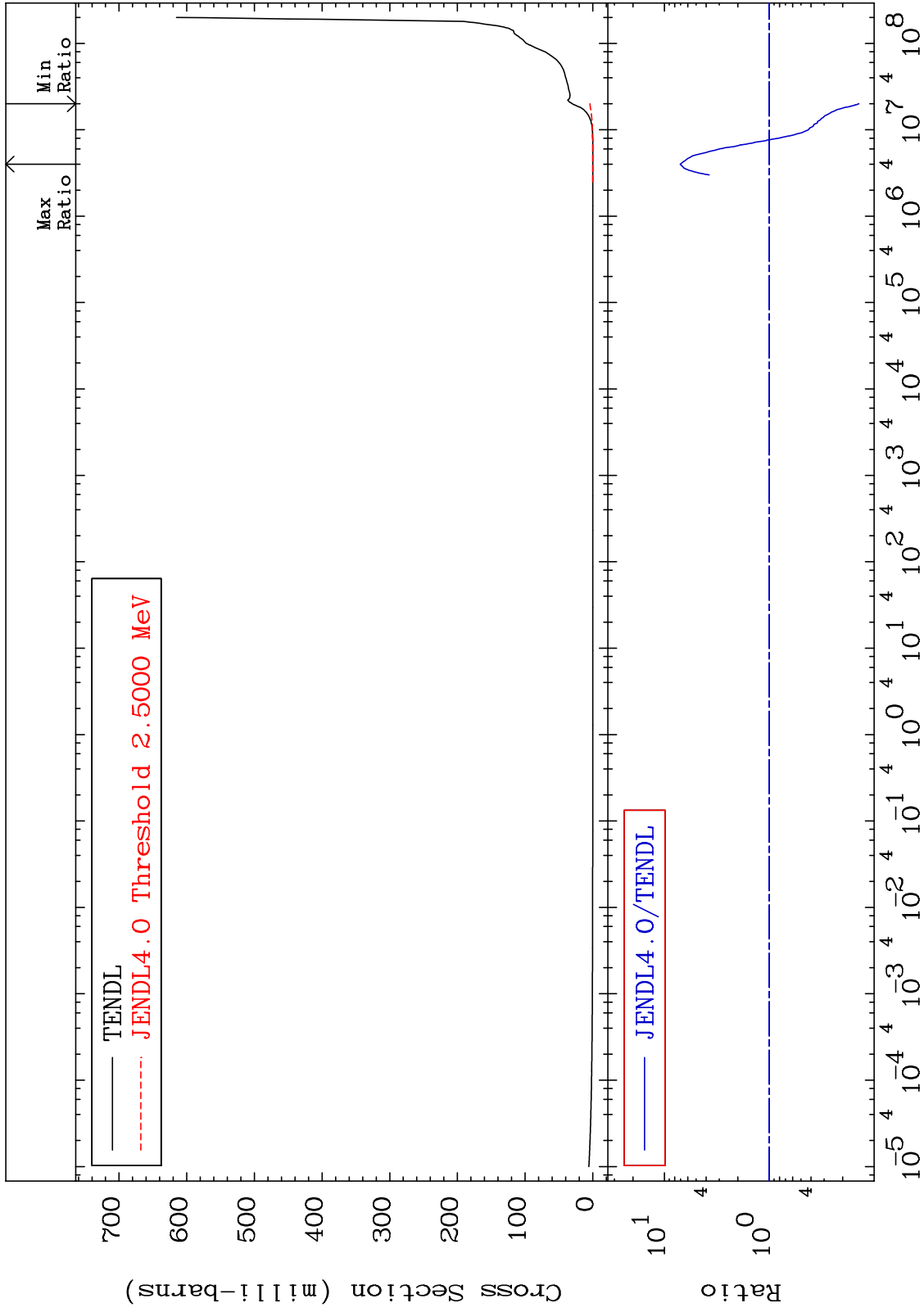
72-Hf-174
-84.30 To 4389. %



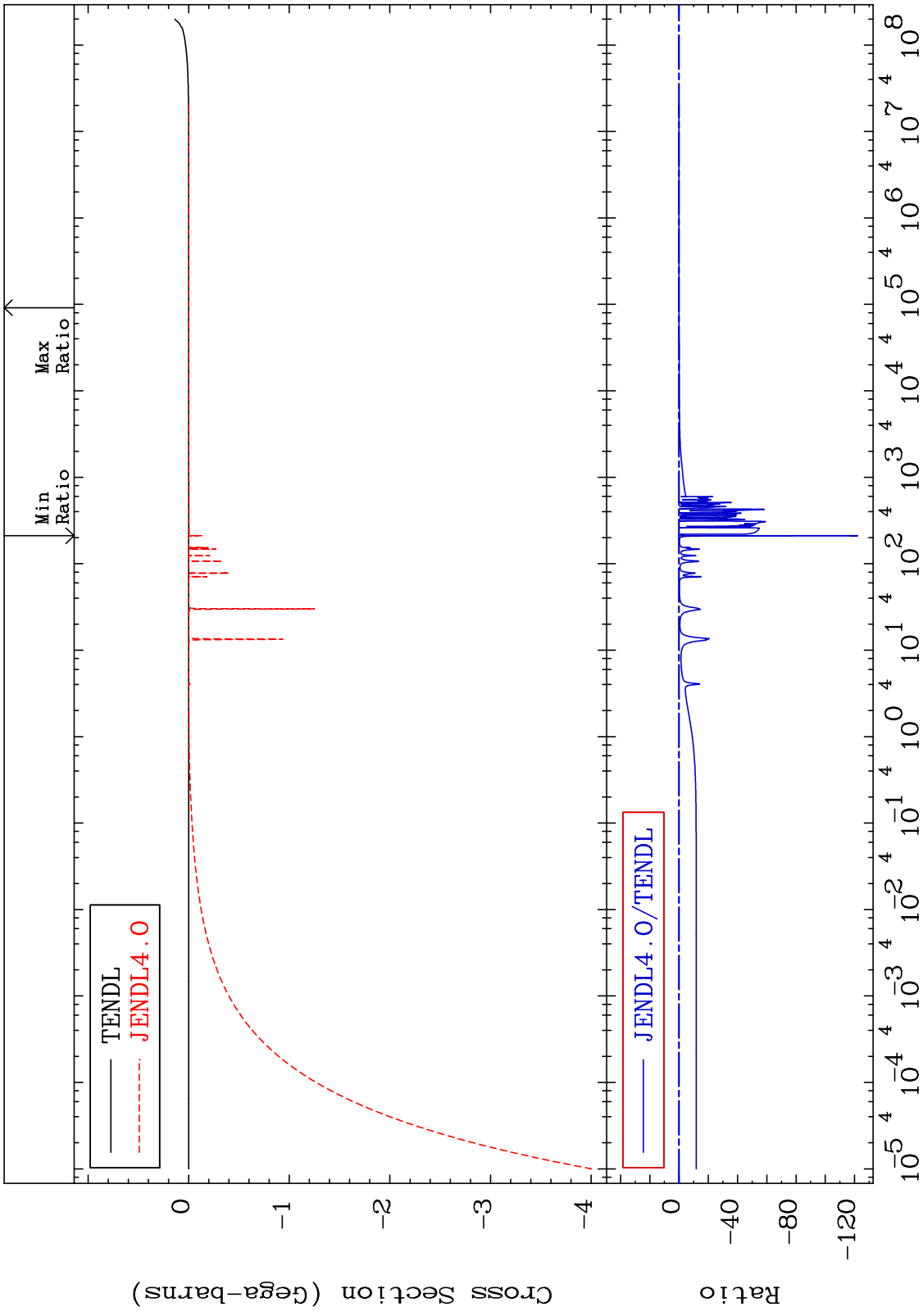
MAT 7225

He-4 Production
Cross Section

72-Hf-174
-86.02 To 607.2 %



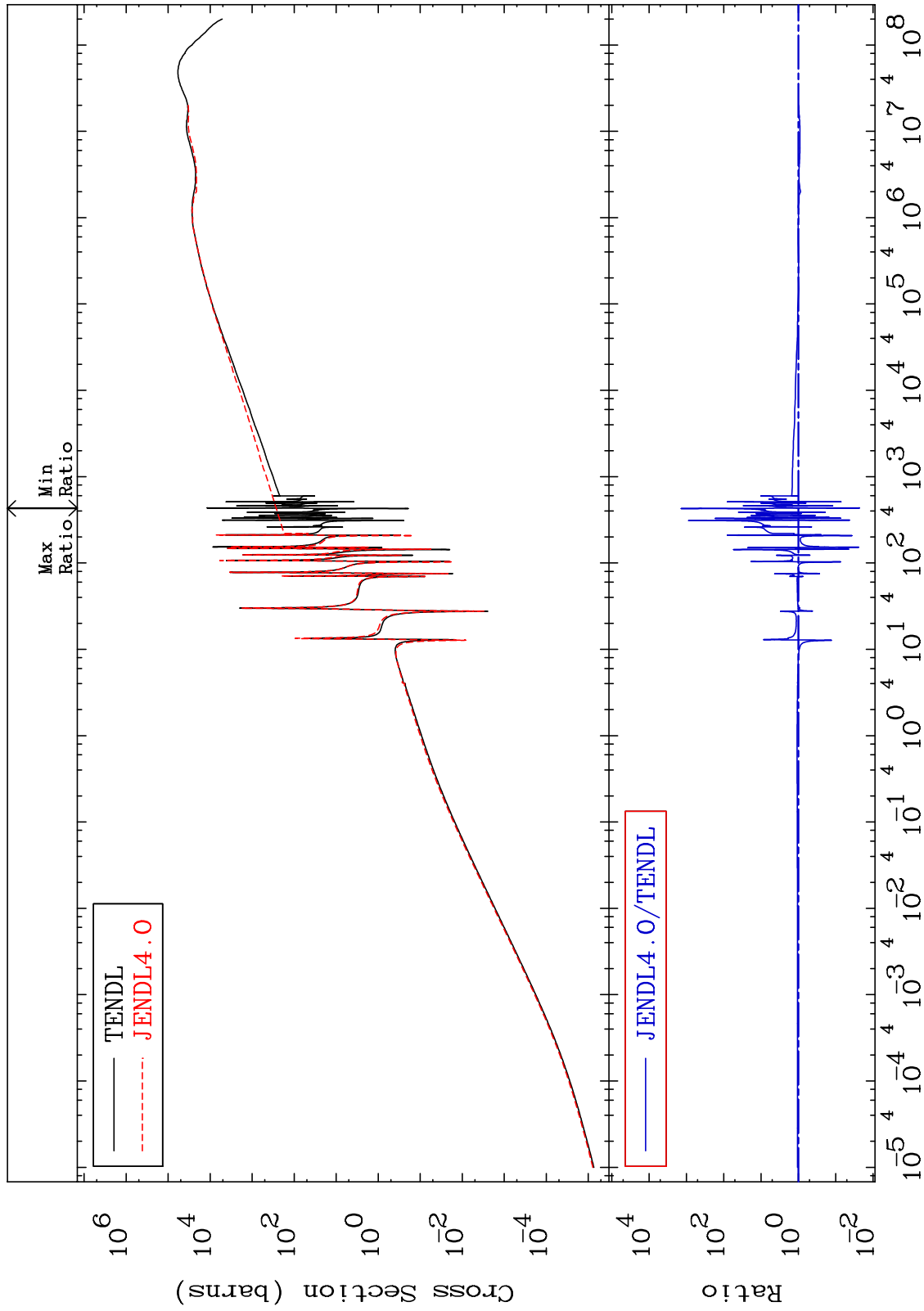
MAT 7225 Kerma total (eV-barns) 72-Hf-174
 Cross Section -9999. To 646.2 %



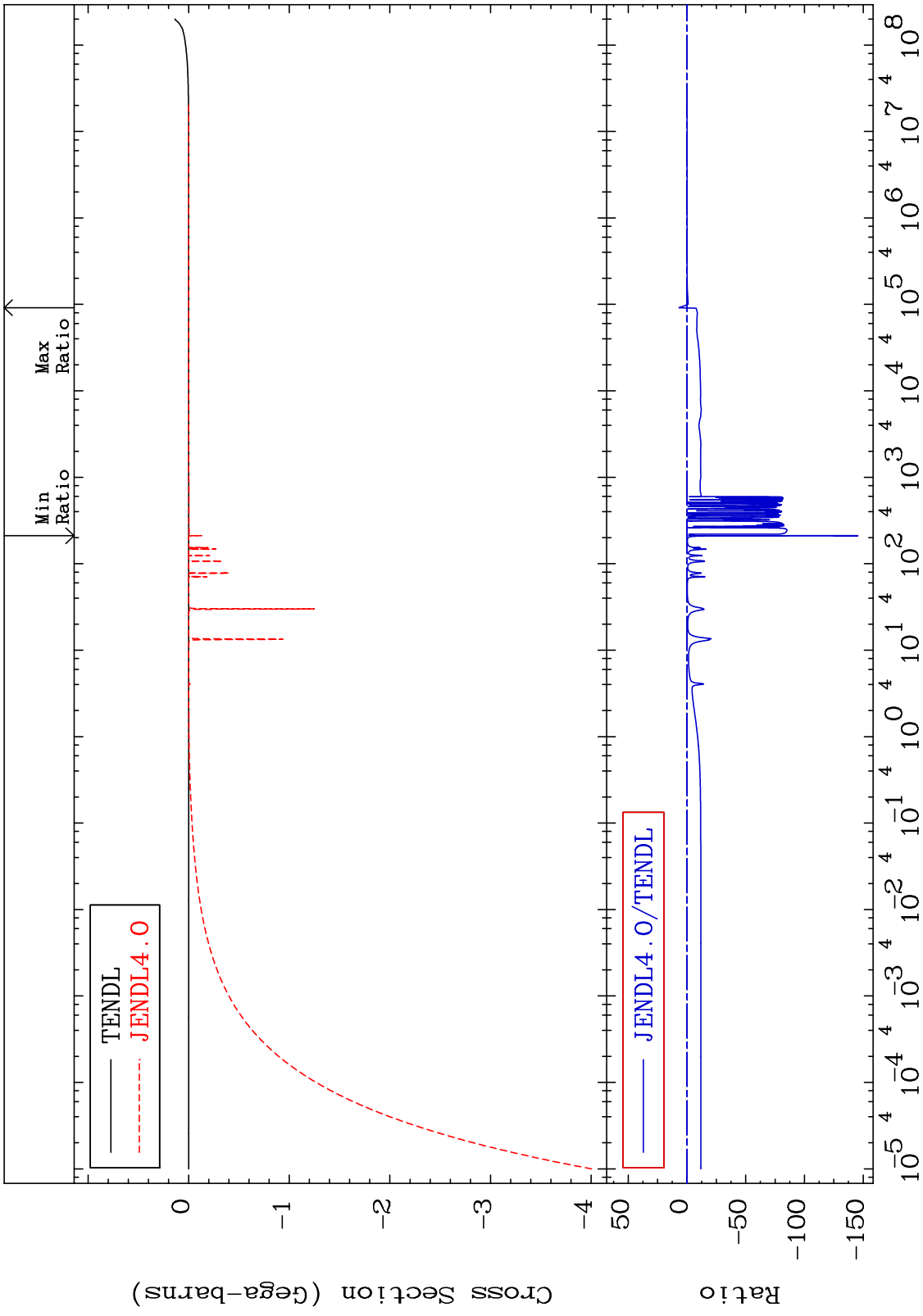
MAT 7225

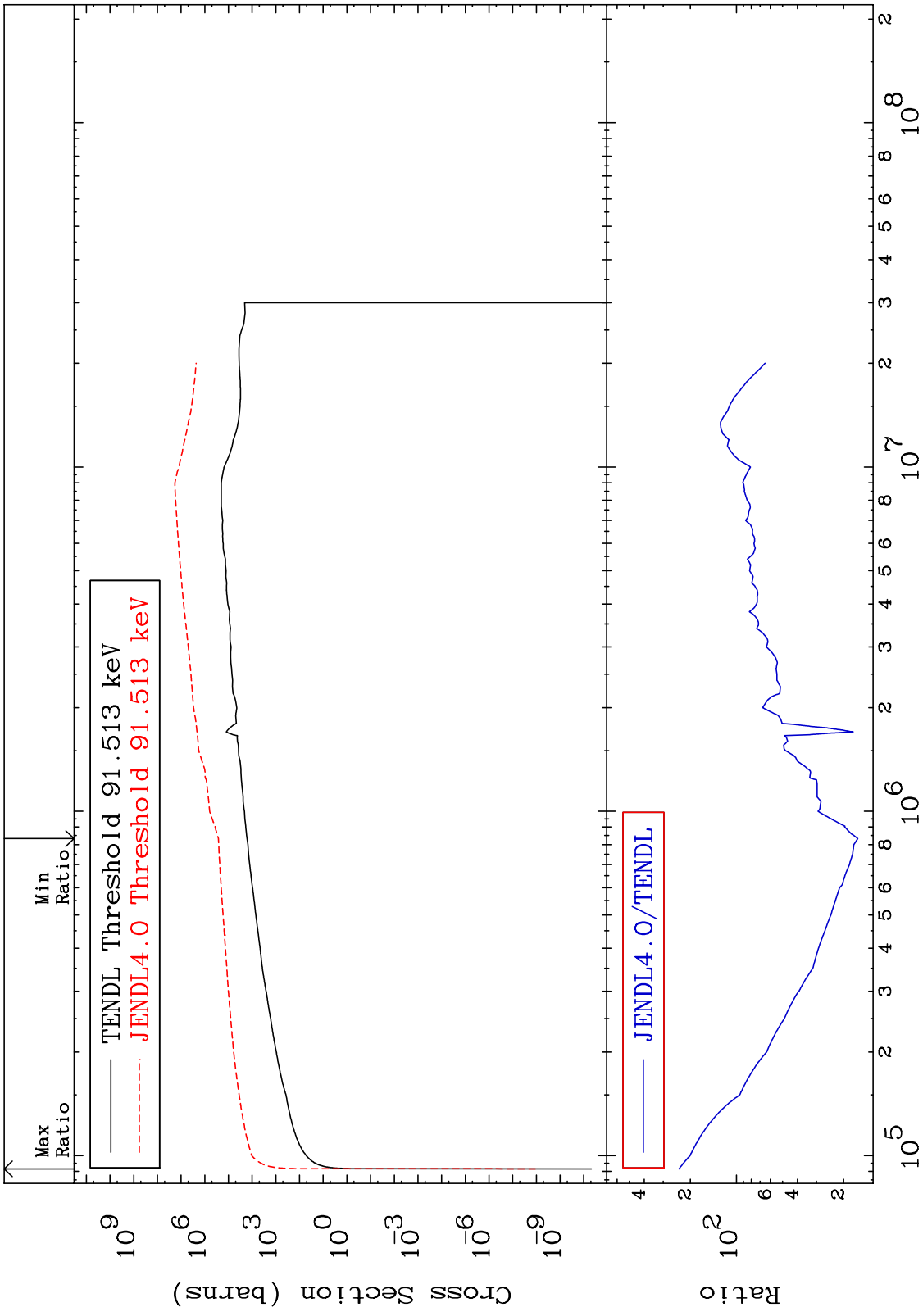
Kerma elastic
Cross Section

72-Hf-174
-97.75 To 9999. %



MAT 7225 Kerma non-elastic (all but mt.2) 72-Hf-174
 Cross Section -9999. To 9999. %

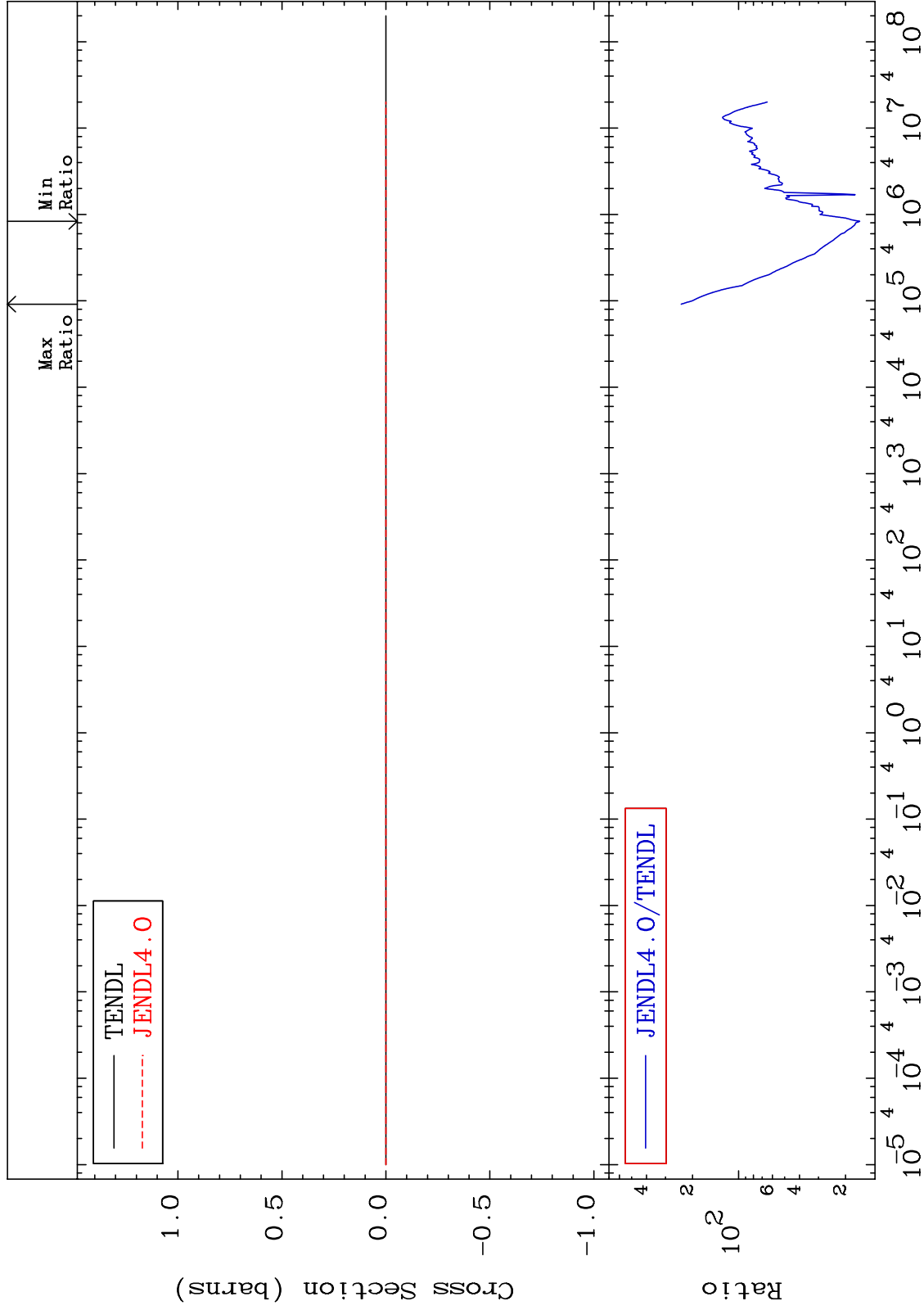


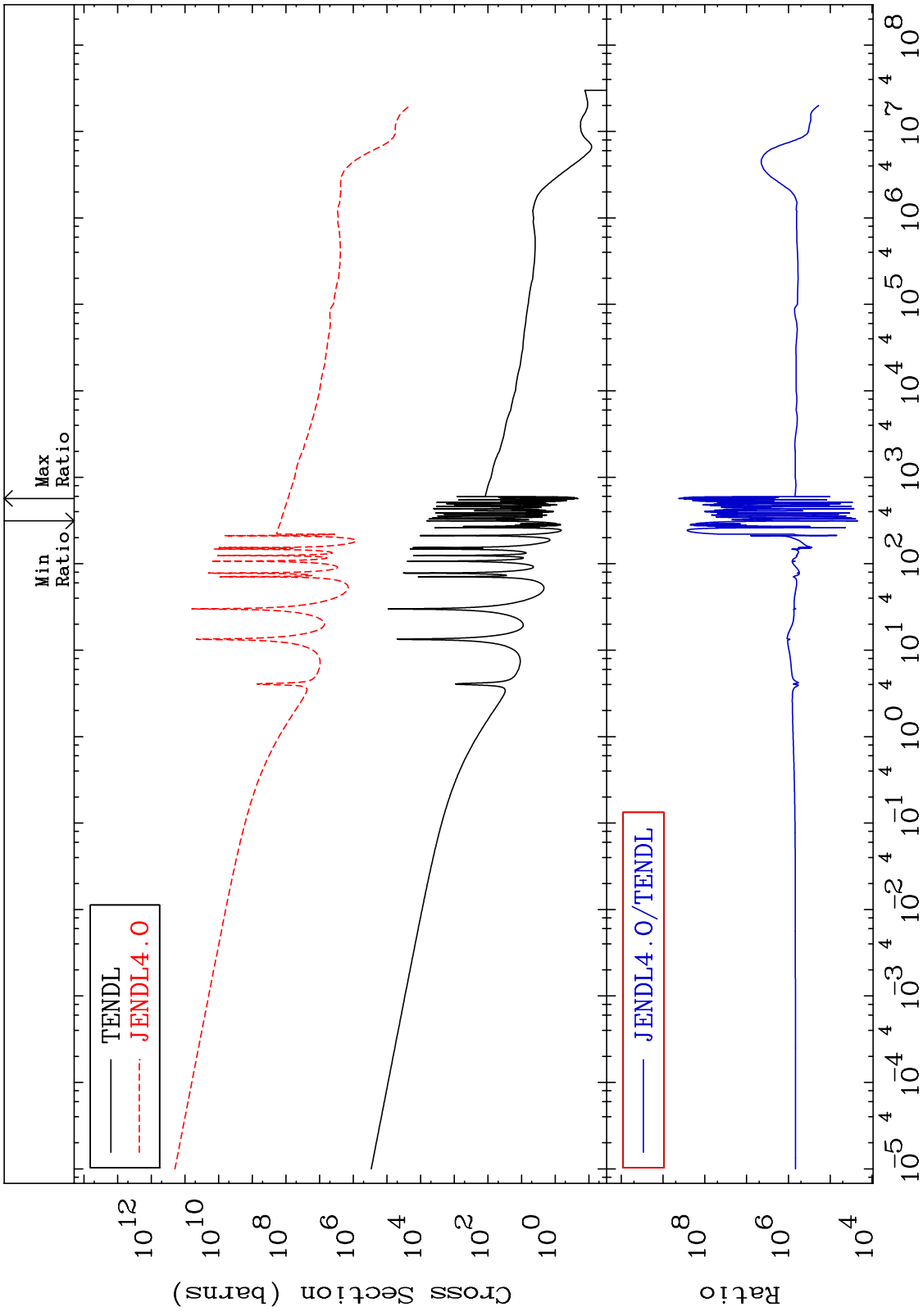


MAT 7225

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

72-Hf-174
1513. To 9999. %

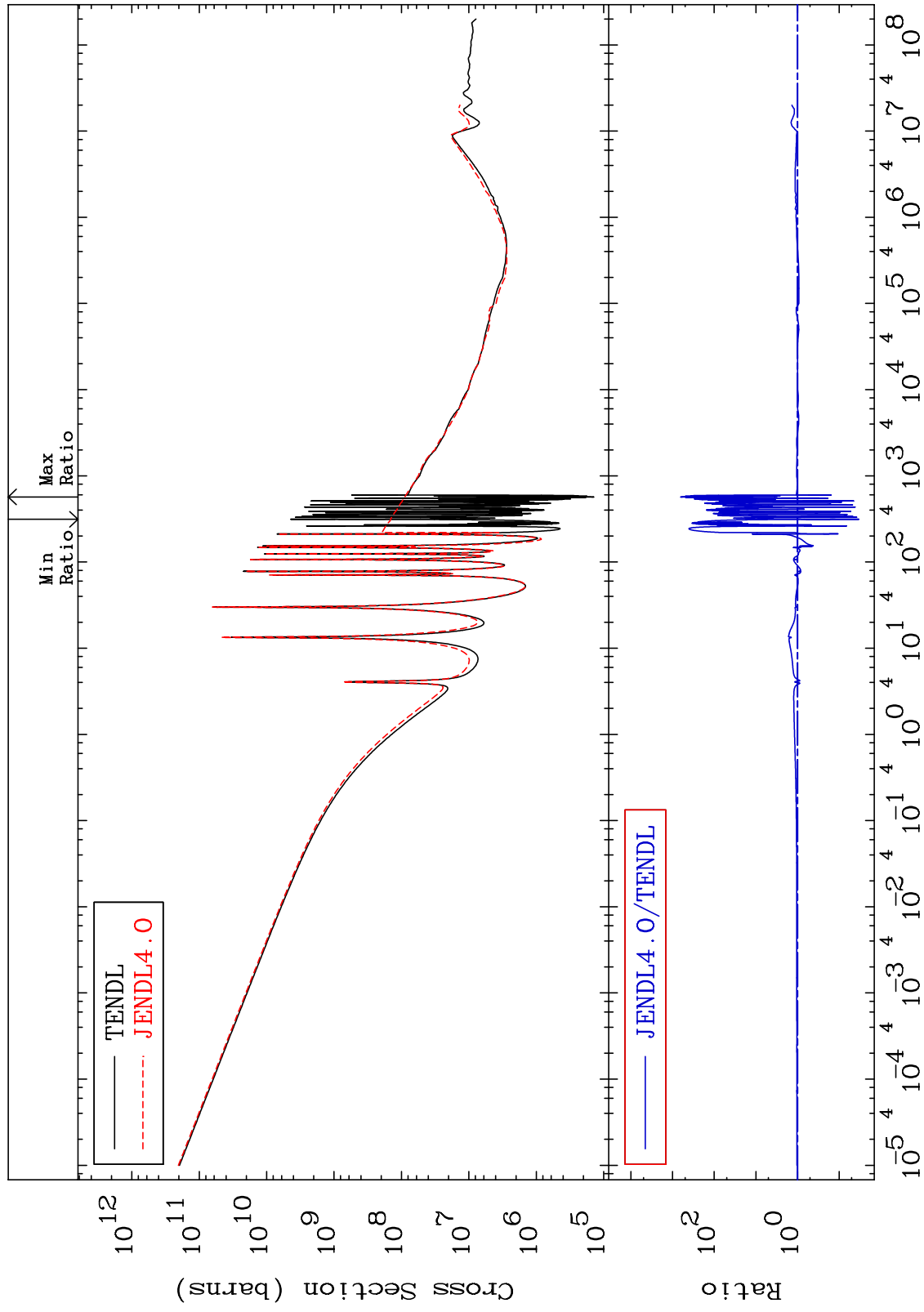




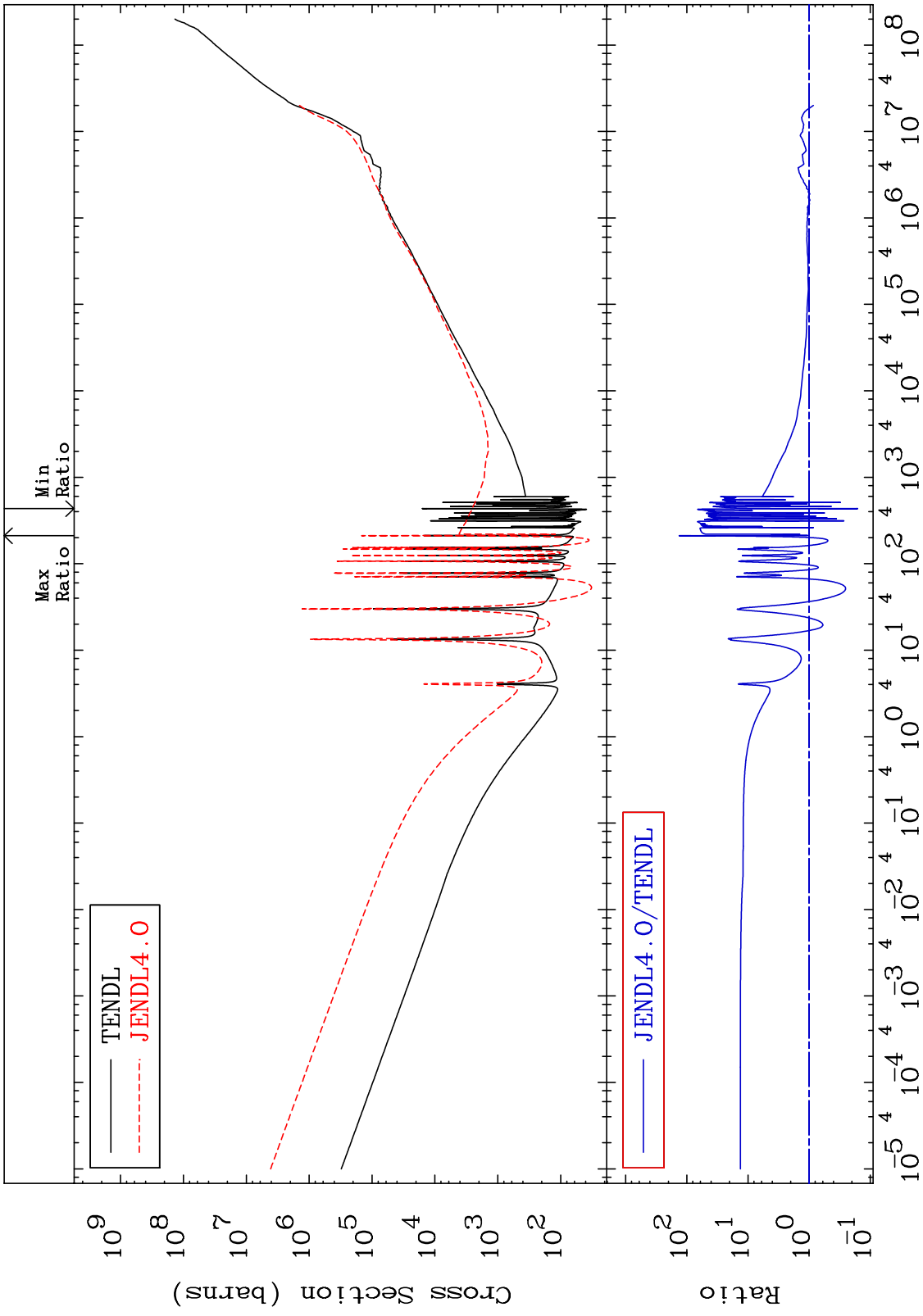
MAT 7225

Total photon (eV-barns)
Cross Section

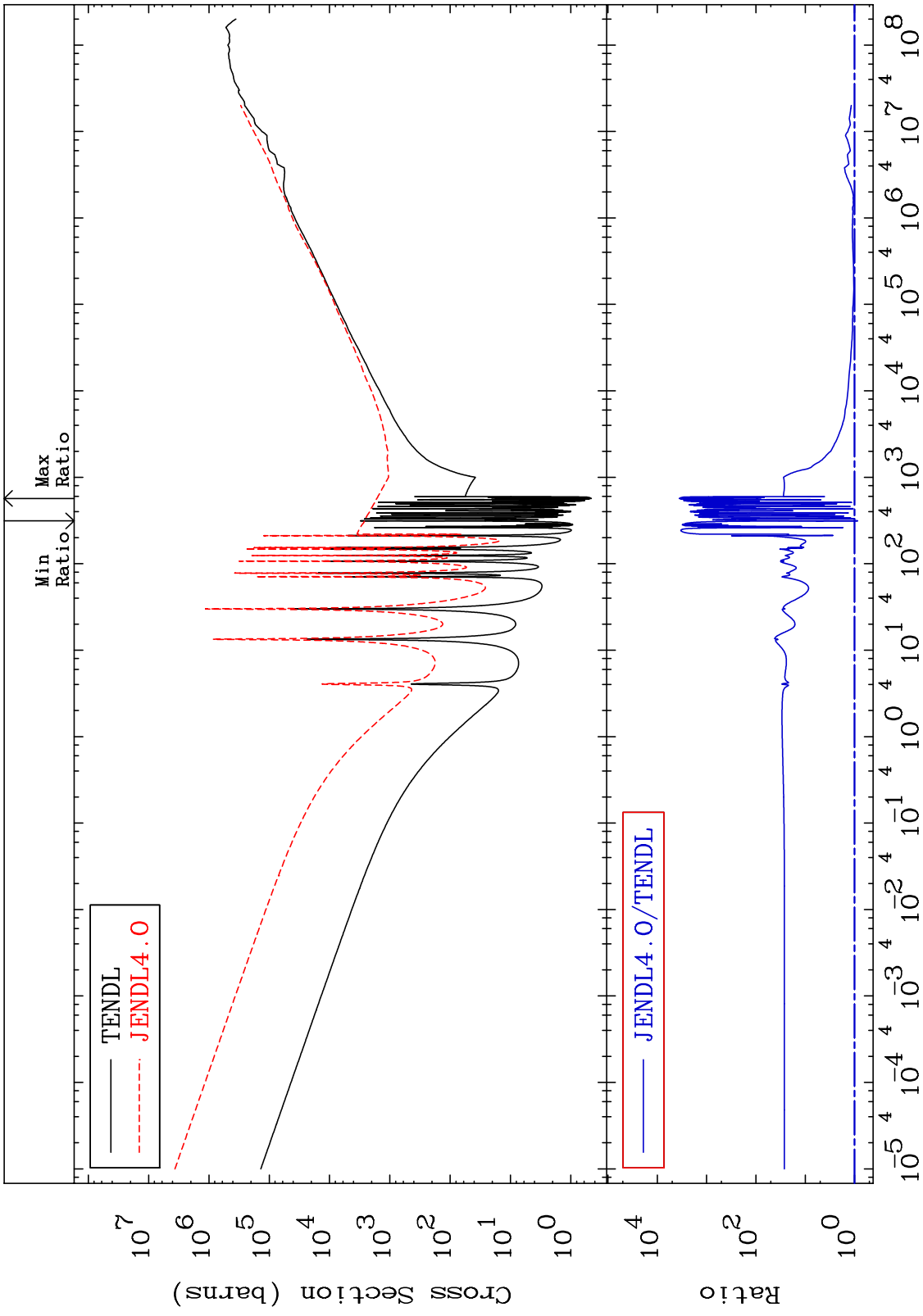
72-Hf-174
-96.68 To 9999. %



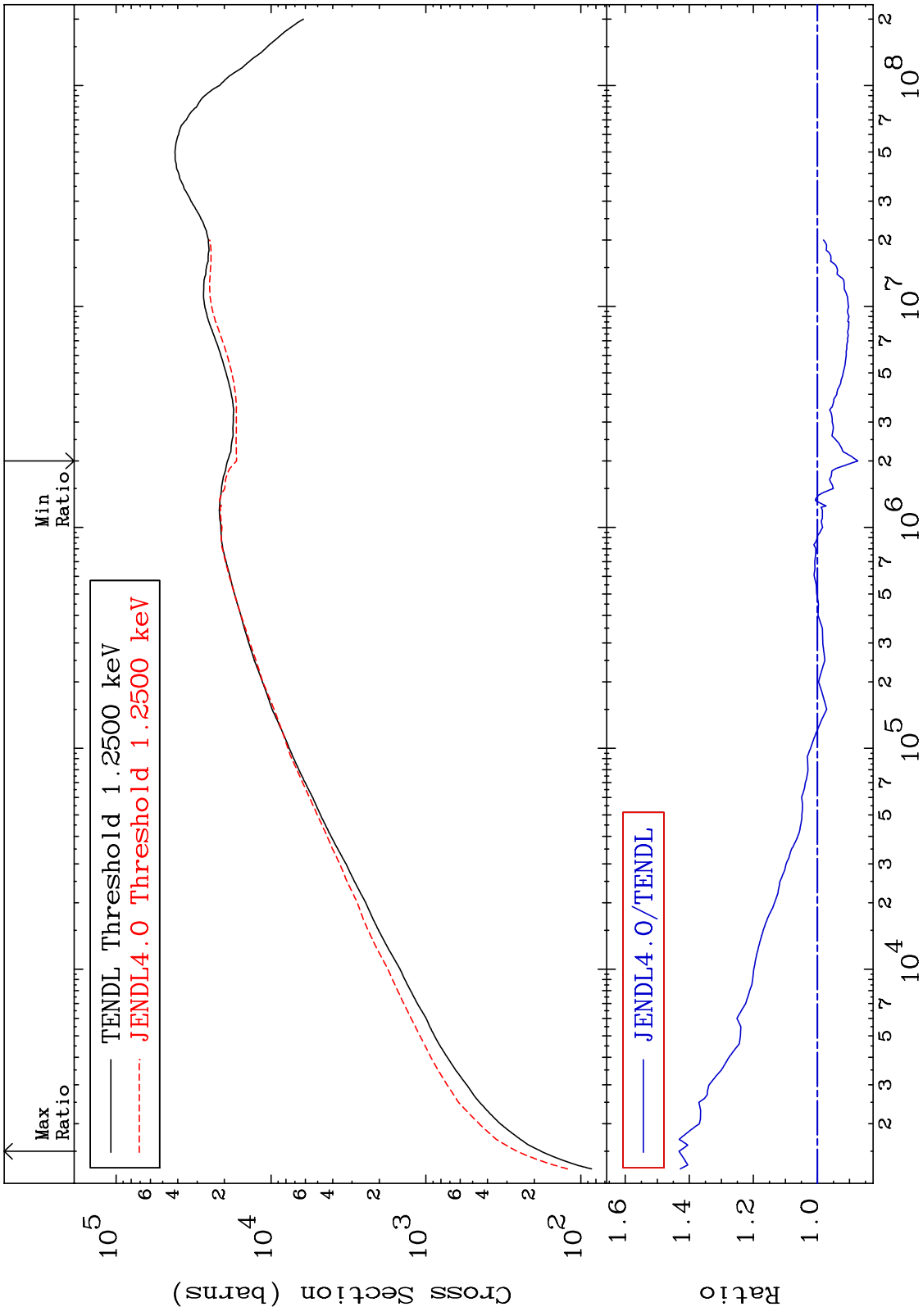
MAT 7225 Total kinematic kerma (high limit) 72-Hf-174
 Cross Section -84.00 To 9999. %



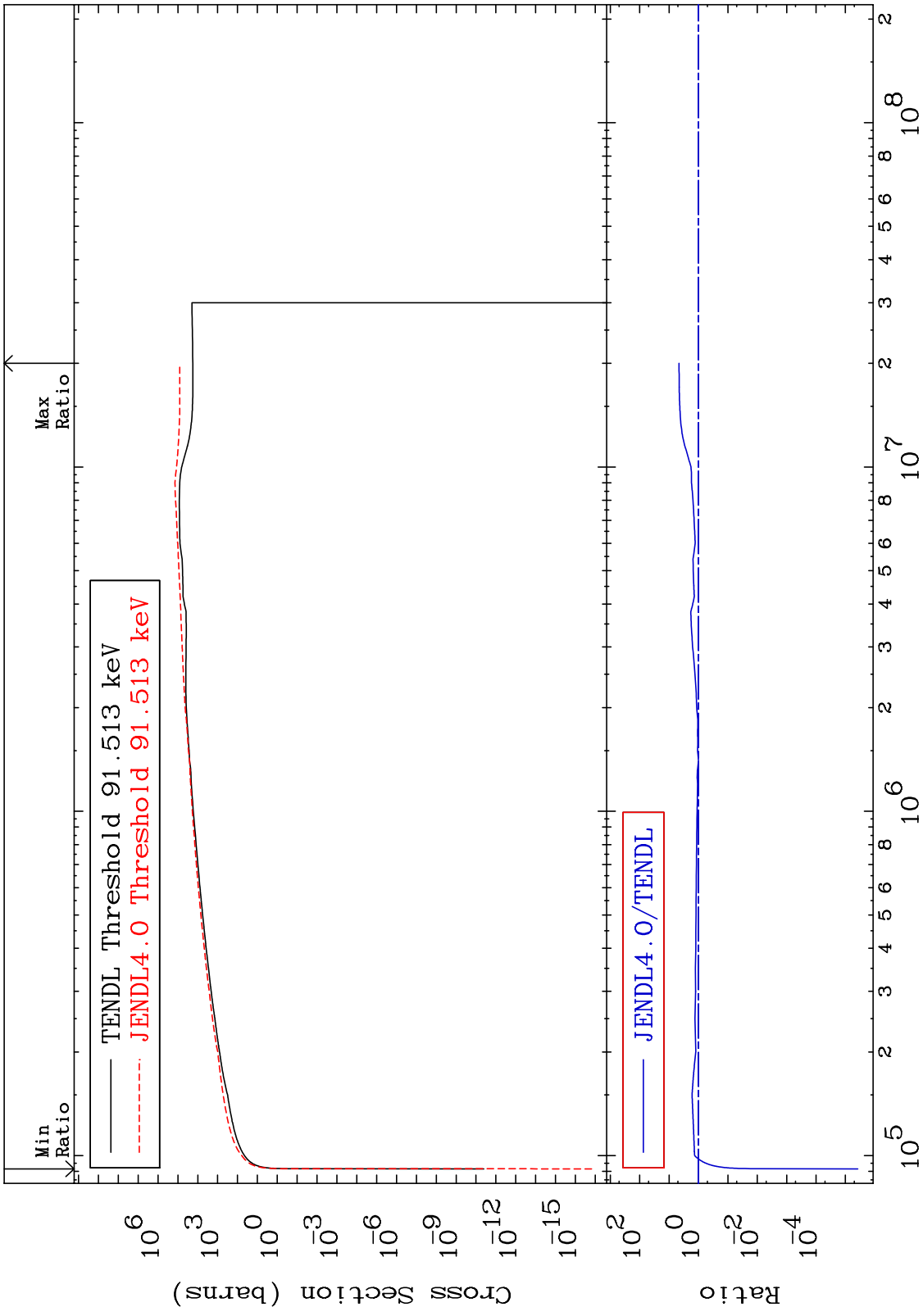
MAT 7225 Dpa total (eV-barns) 72-Hf-174
 -14.02 To 9999. %



MAT 7225 Dpa elastic (mt2) 72-Hf-174
Cross Section -12.61 To 43.21 %



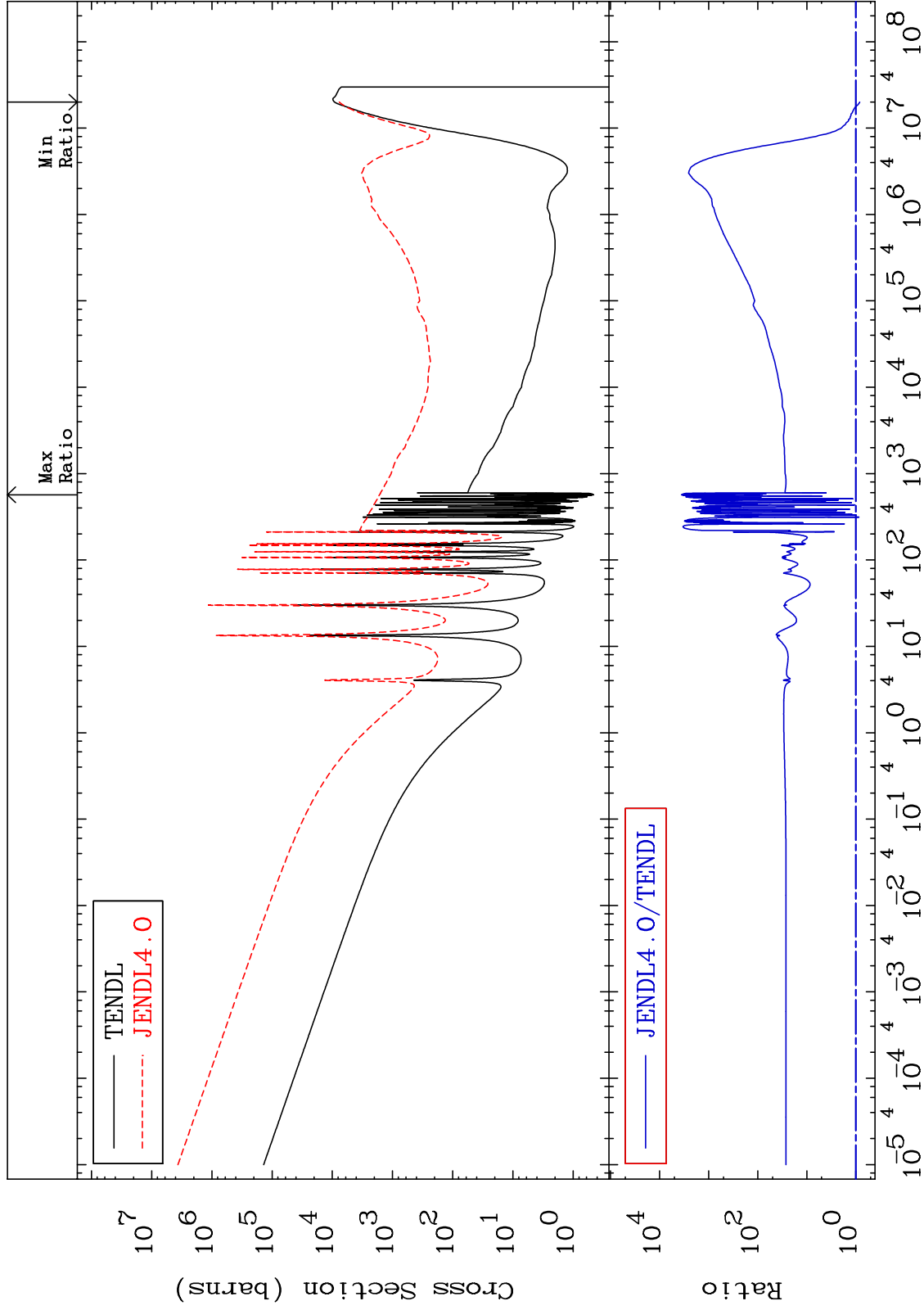
MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -100.0 To 359.3 %



MAT 7225

Dpa disappearance (mt102 -120)
Cross Section

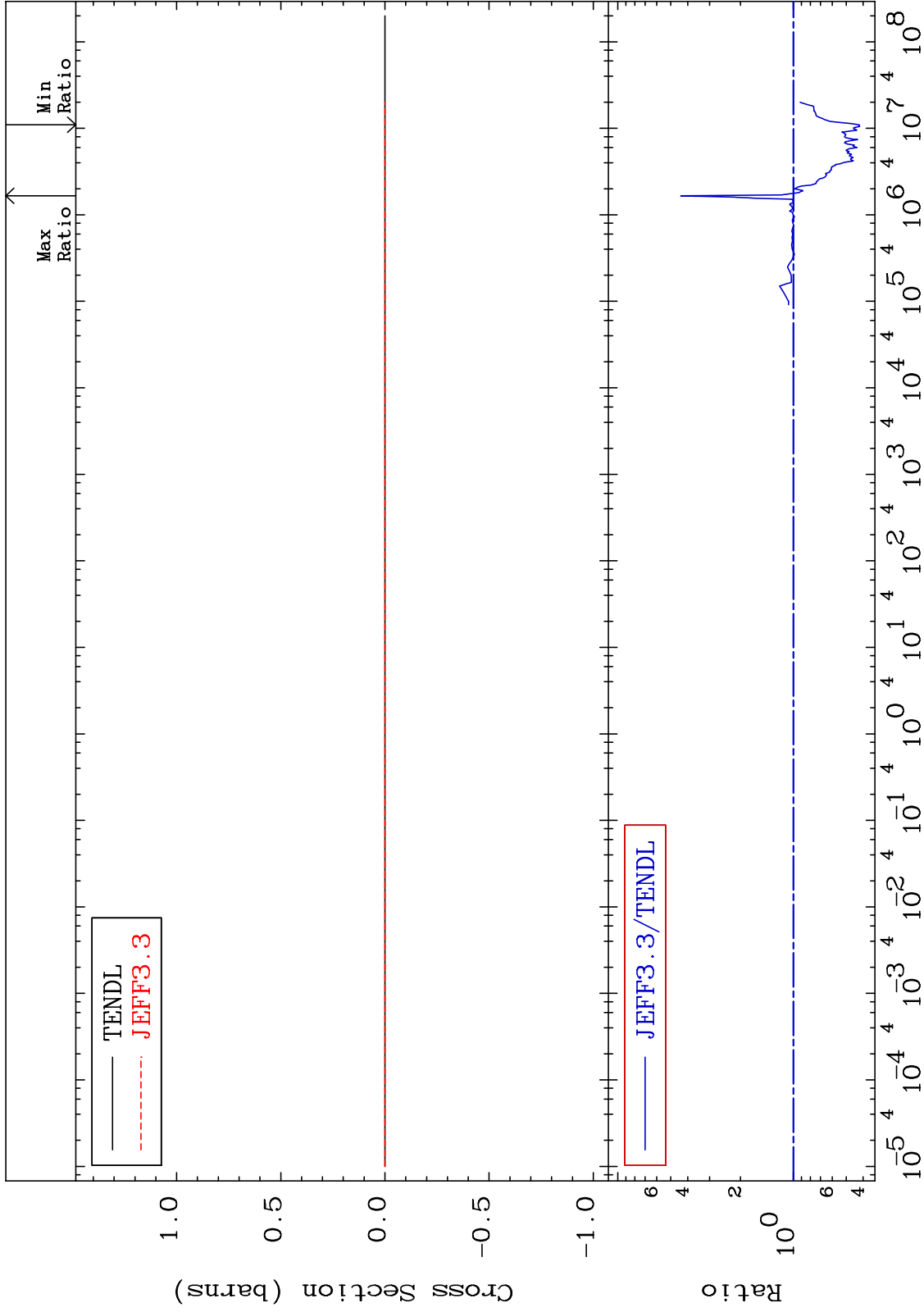
72-Hf-174
-16.64 To 9999. %



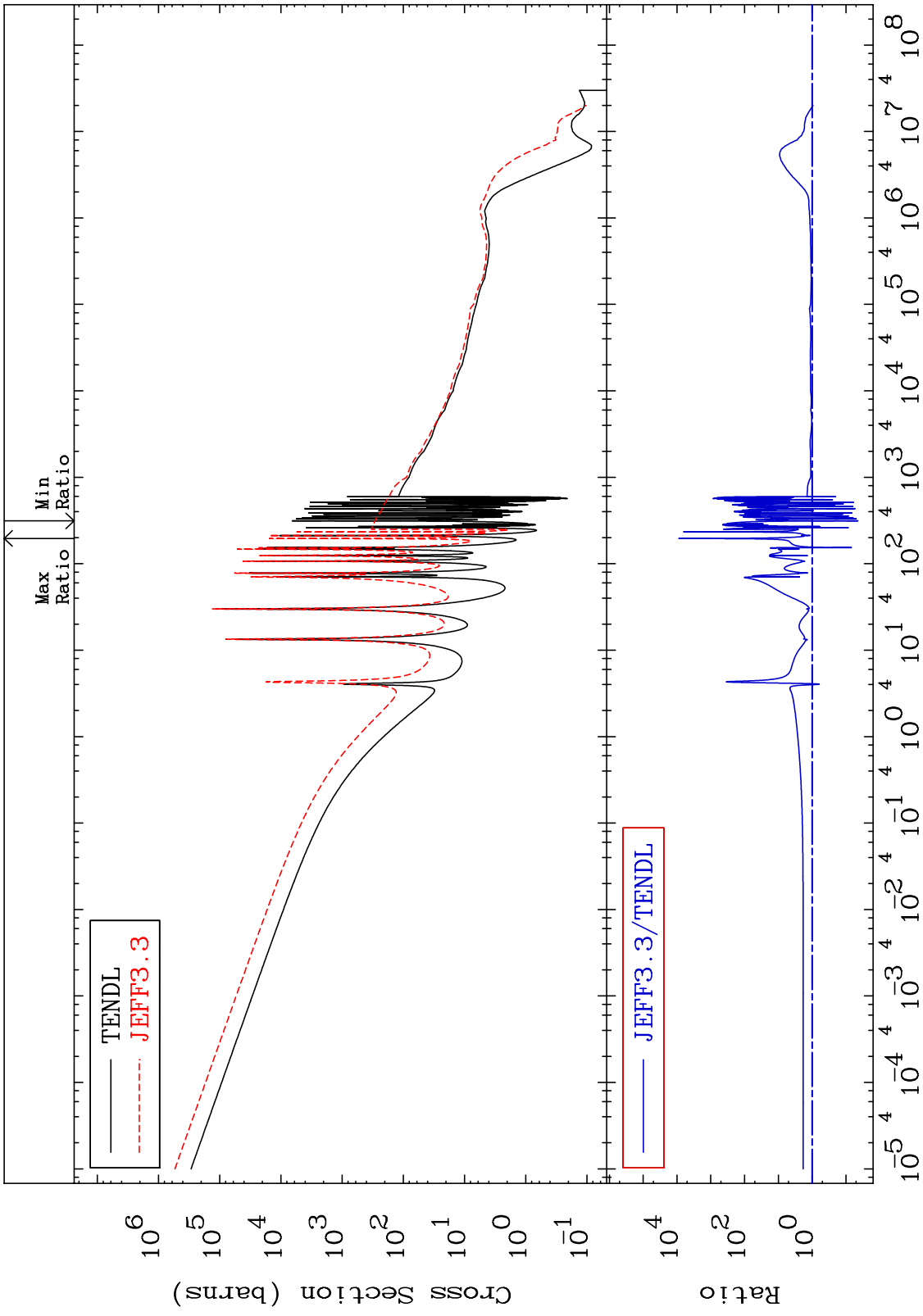
MAT 7225

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

72-Hf-174
-58.09 To 337.8 %

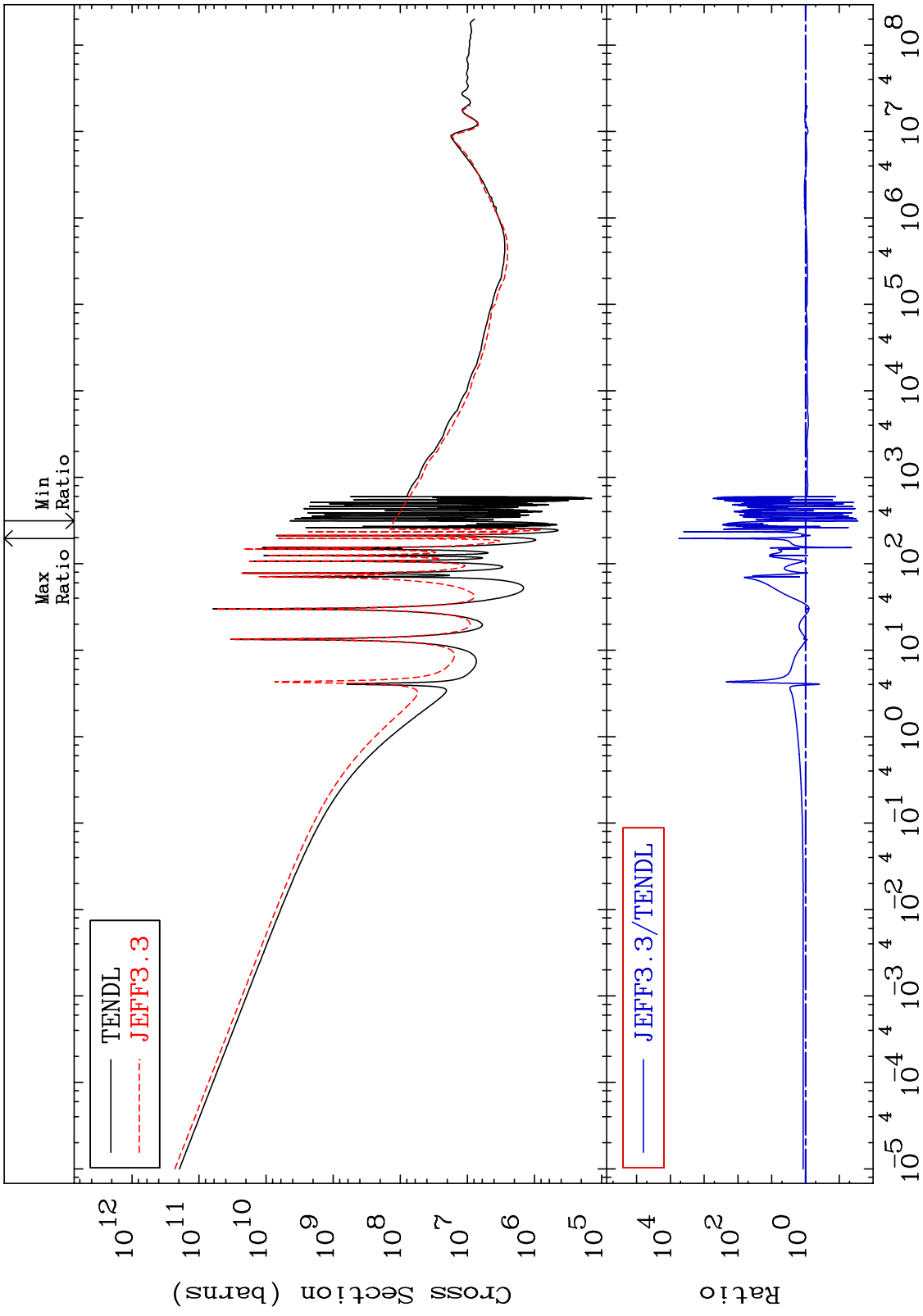


MAT 7225 Kerma capture (mt102) 72-Hf-174
 -95.56 To 9999. %
 Cross Section

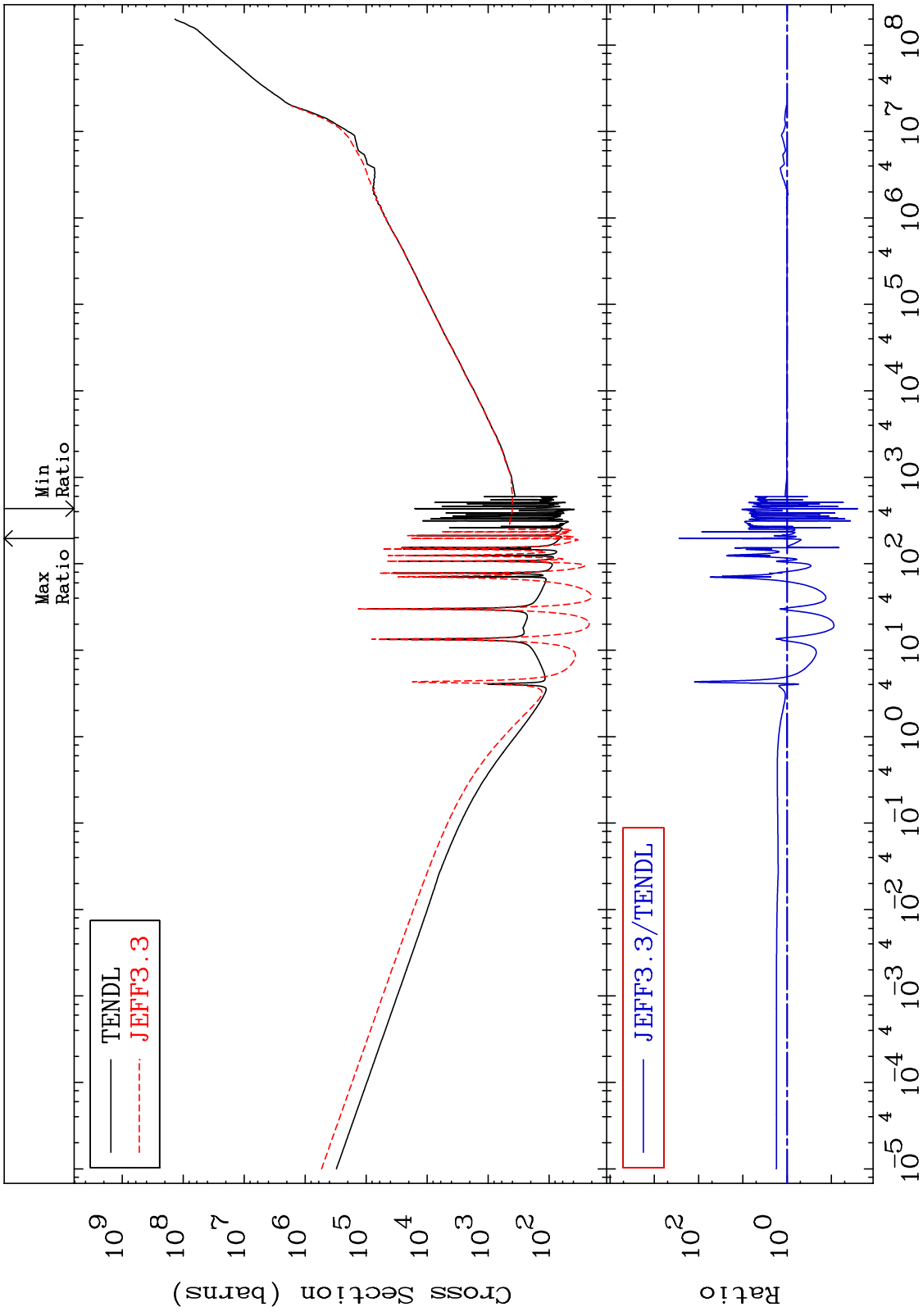


64 Incident Energy (eV) 72-Hf-174

MAT 7225 72-Hf-174
-97.18 To 9999. %
 Total photon (eV-barns)
 Cross Section

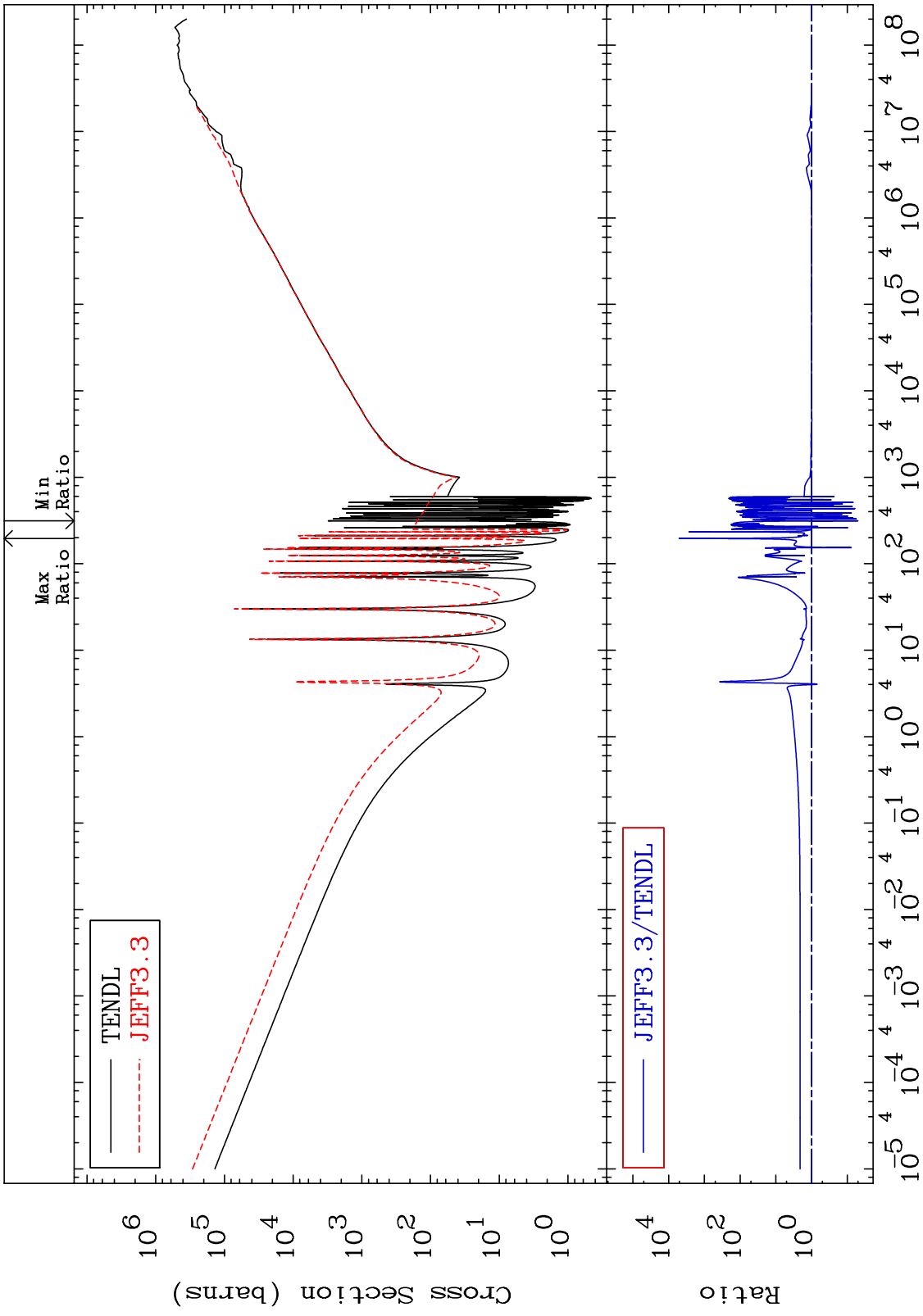


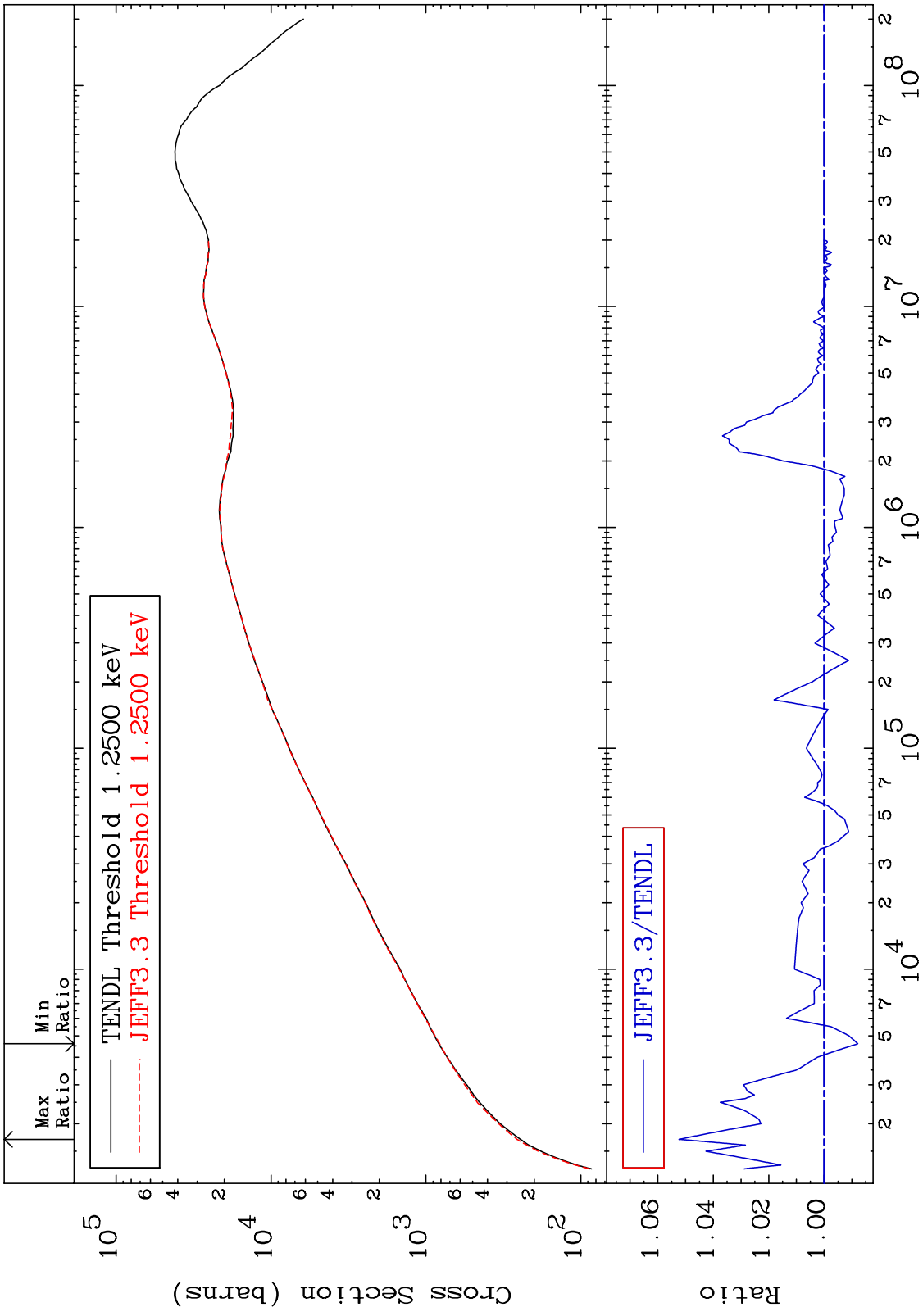
MAT 7225 Total kinematic kerma (high limit) 72-Hf-174
 -97.48 To 9999. %
 Cross Section



66 Incident Energy (eV) 72-Hf-174

MAT 7225 Dpa total (eV-barns) 72-Hf-174
 -94.91 To 9999. %
 Cross Section

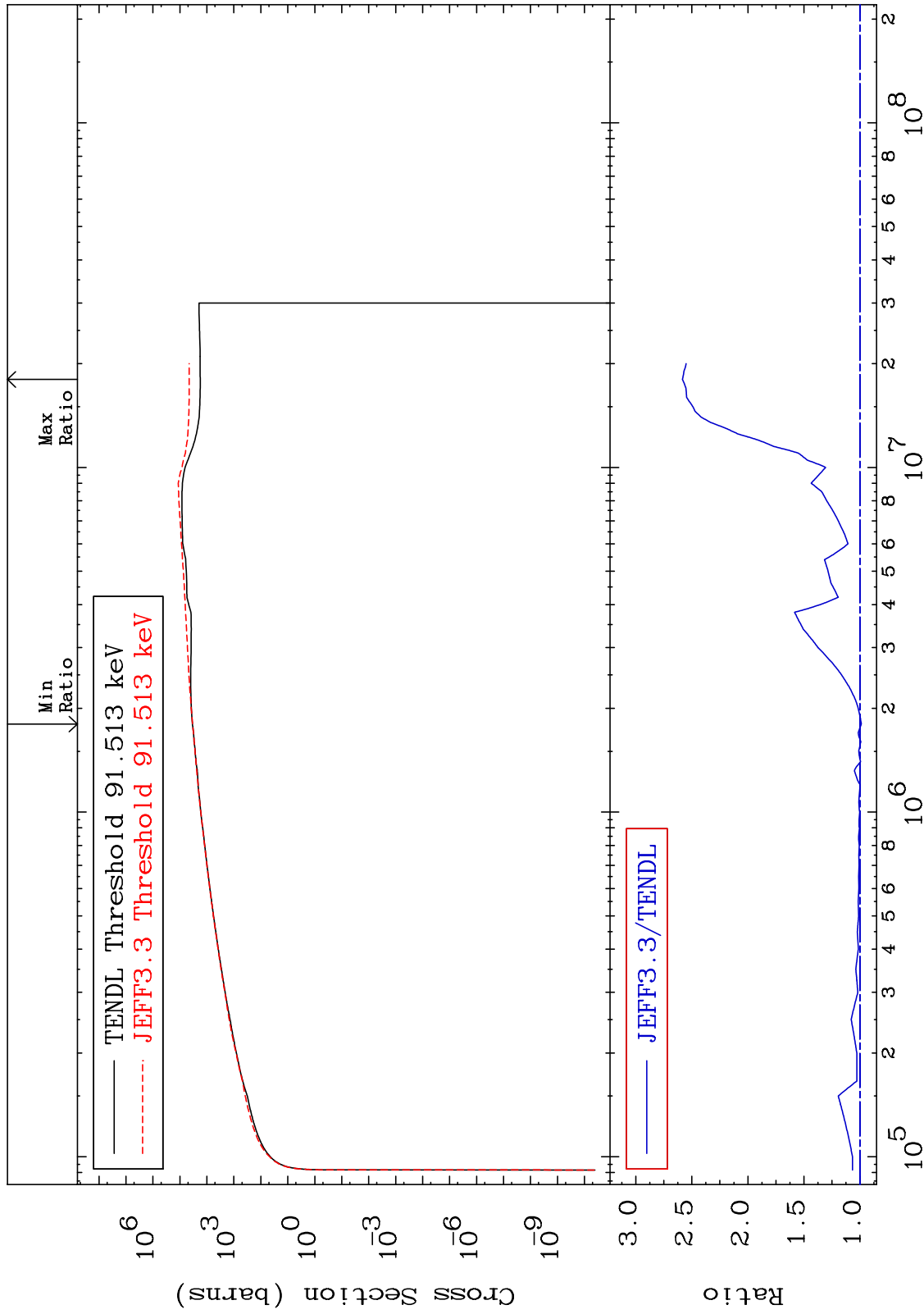




MAT 7225

Dpa inelastic (mt51-91)
Cross Section

72-Hf-174
-1.189 To 158.4 %

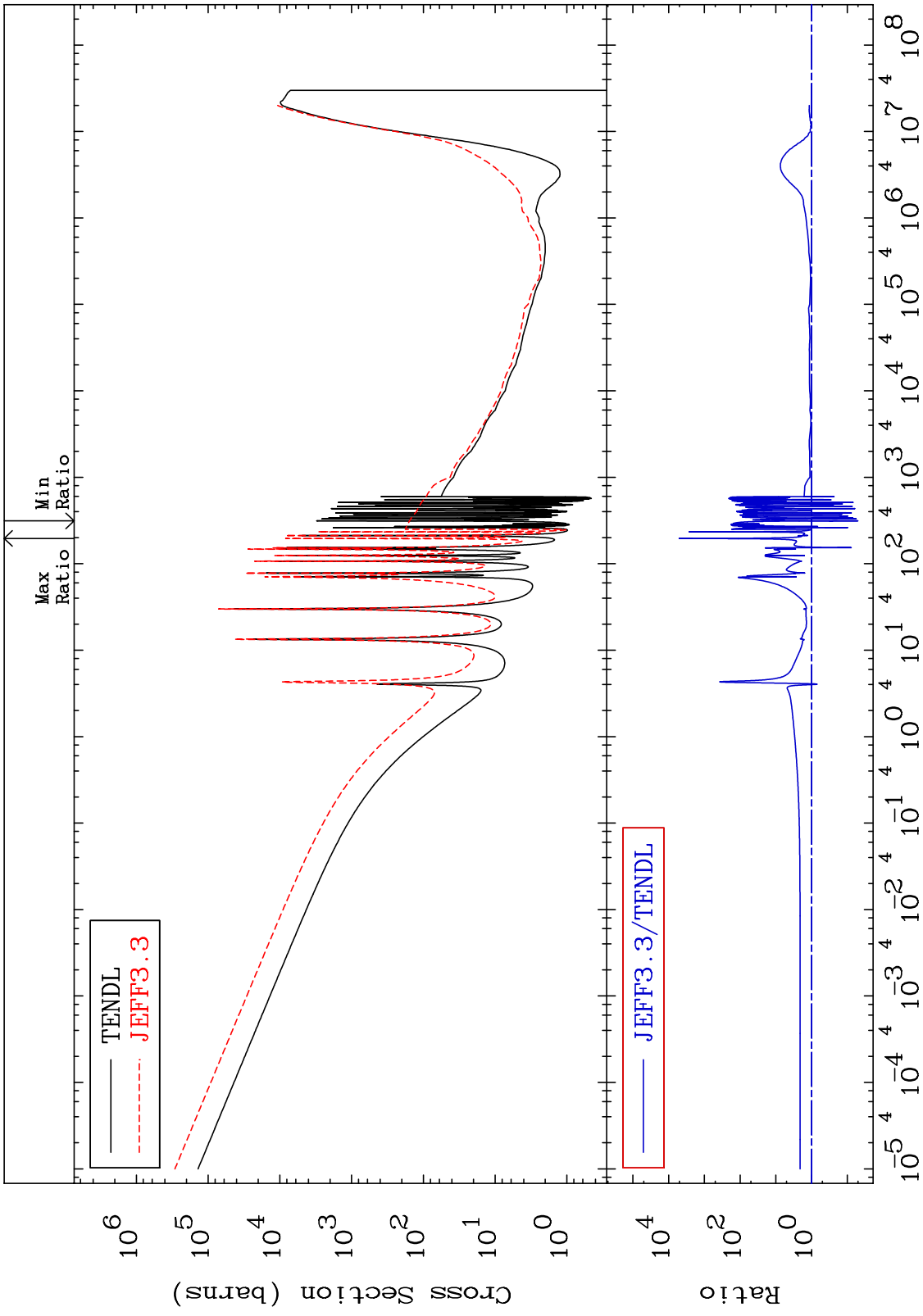


69

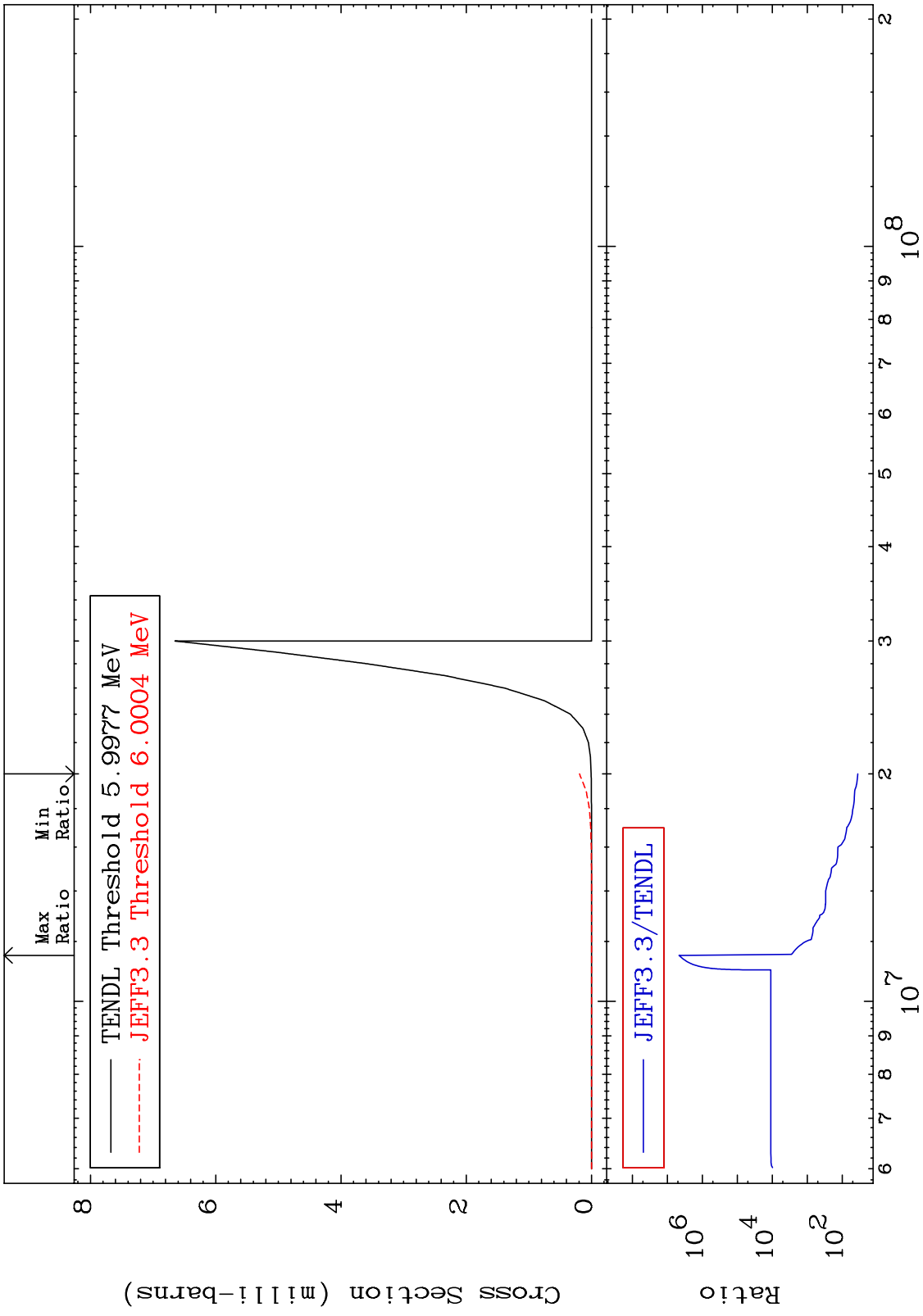
Incident Energy (eV)

72-Hf-174

MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 -94.91 To 9999. %
 Cross Section



70 Incident Energy (eV) 72-Hf-174

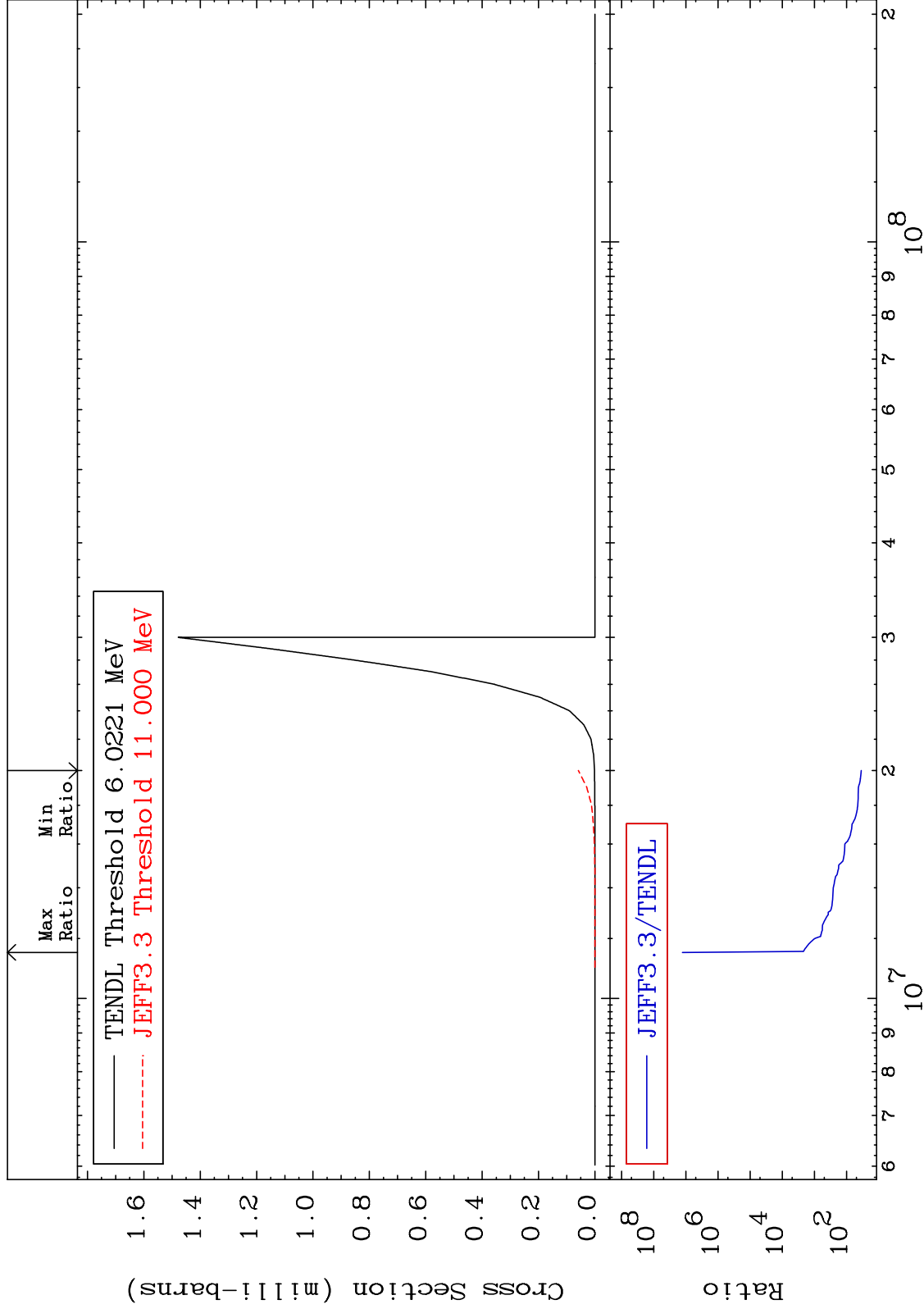


MAT 7225

(n,2n) α :70-Yb-169m1

72-Hf-174

Radionuclide Production Cross Section 3415. To 9999. %

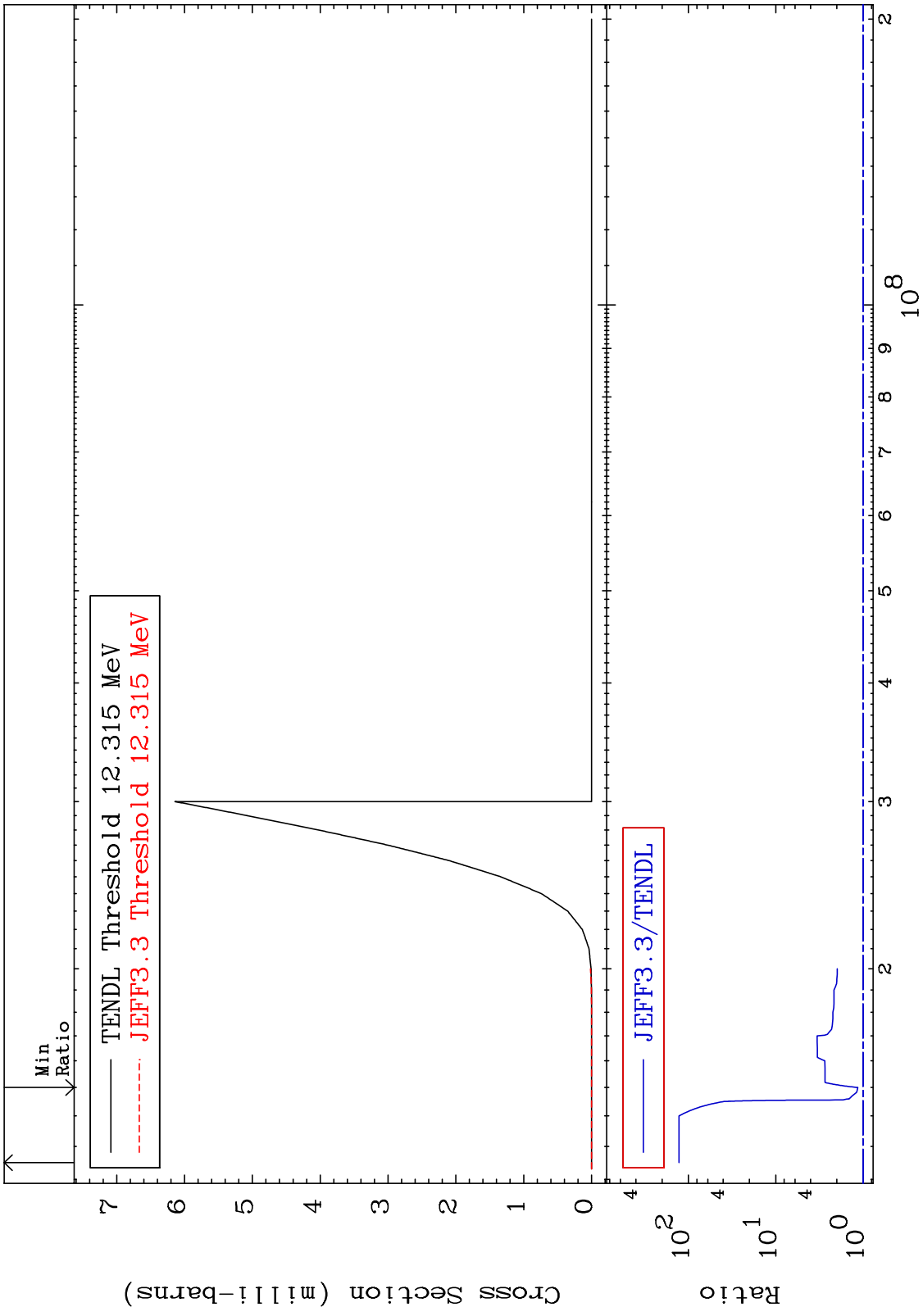


72

Incident Energy (eV)

72-Hf-174

MAT 7225 (n, n') d:71-Lu-172g 72-Hf-174
 Radionuclide Production Cross Section 14.74 To 9999. %

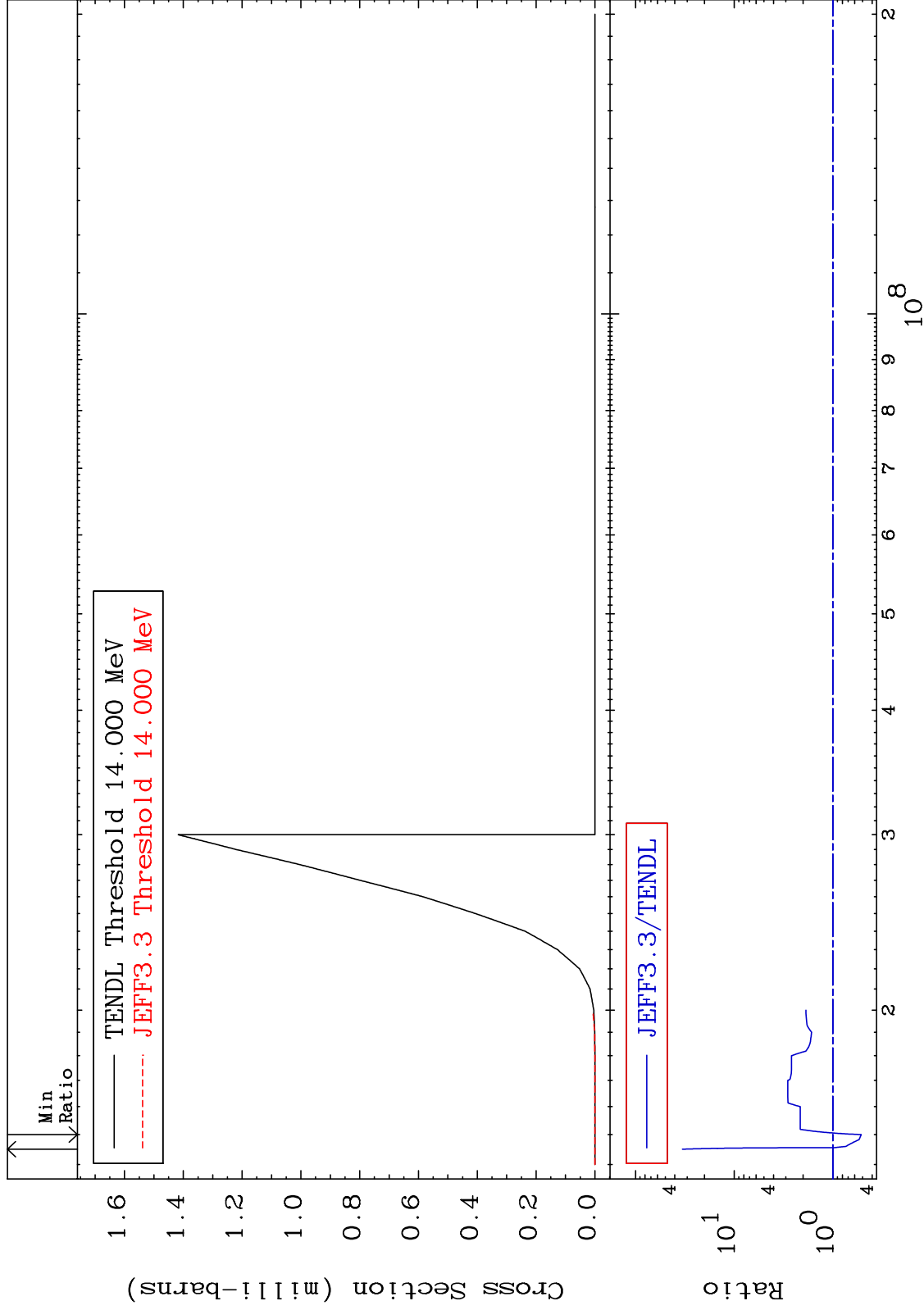


MAT 7225

(n, n') d: 71-Lu-172m1

72-Hf-174

Radionuclide Production Cross Section -48.47 To 3245. %

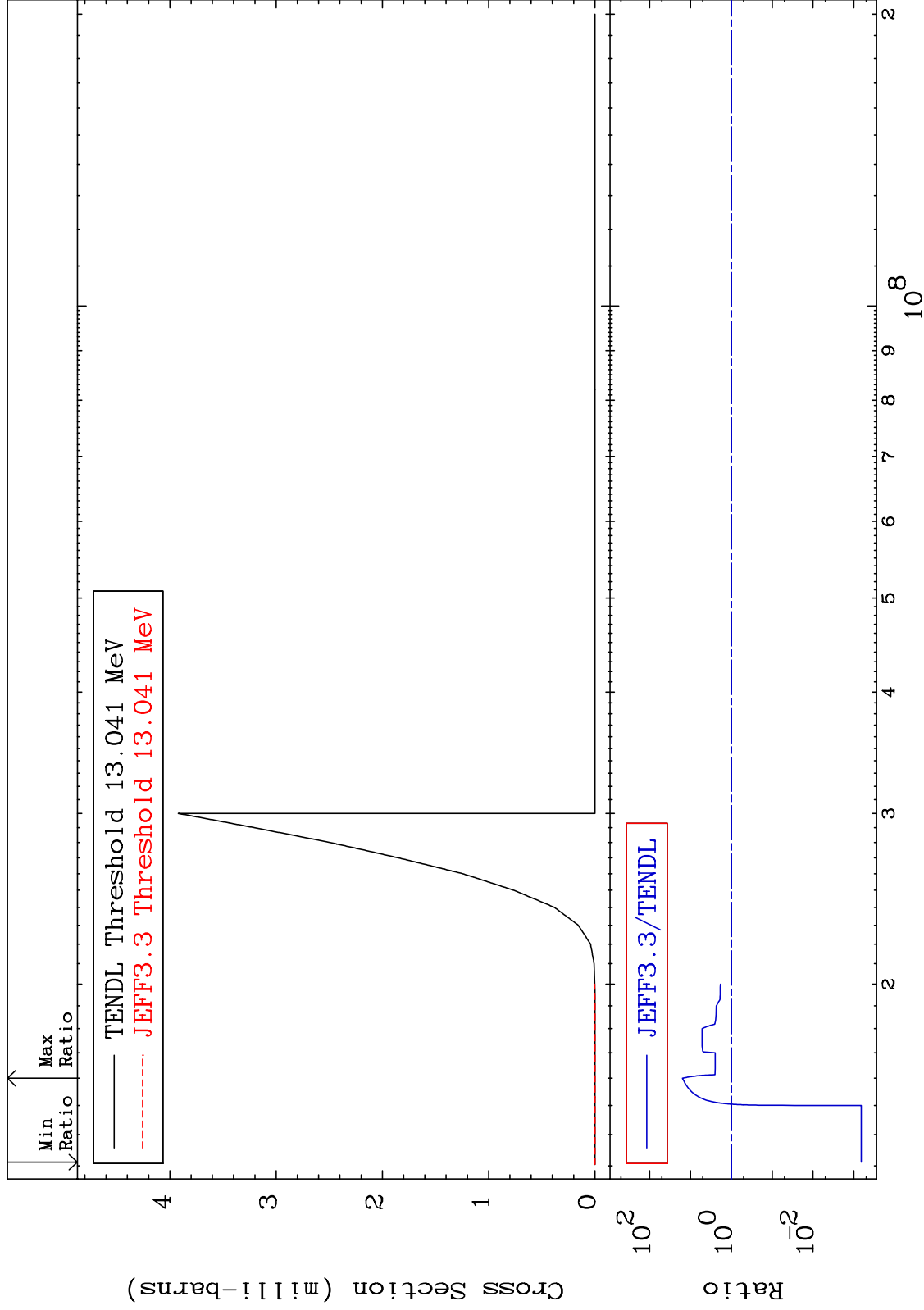


MAT 7225

(n, n') t:71-Lu-171g

72-Hf-174

Radionuclide Production Cross Section -99.93 To 1469. %



75

Incident Energy (eV)

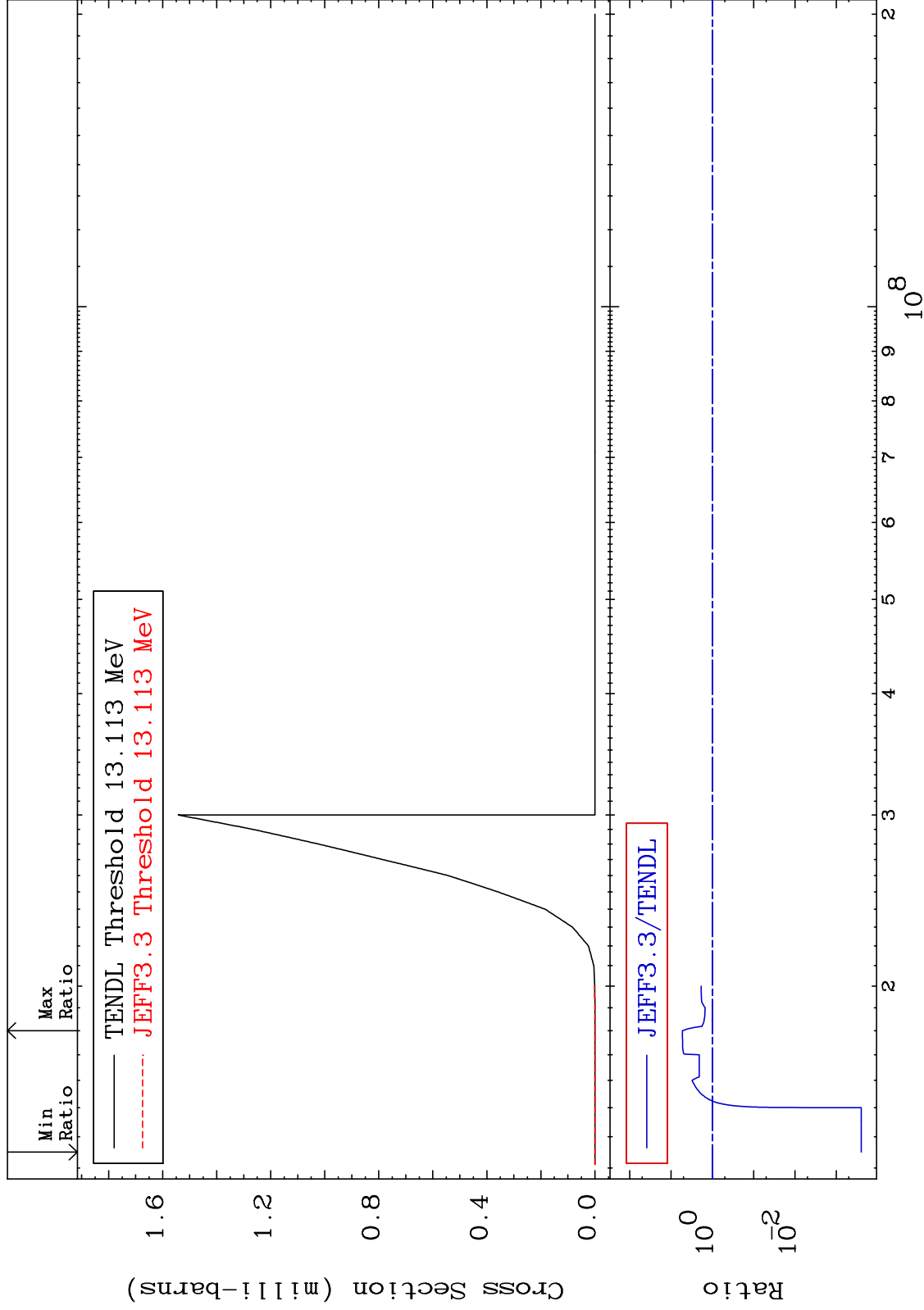
72-Hf-174

MAT 7225

(n,n') t:71-Lu-171m1

72-Hf-174

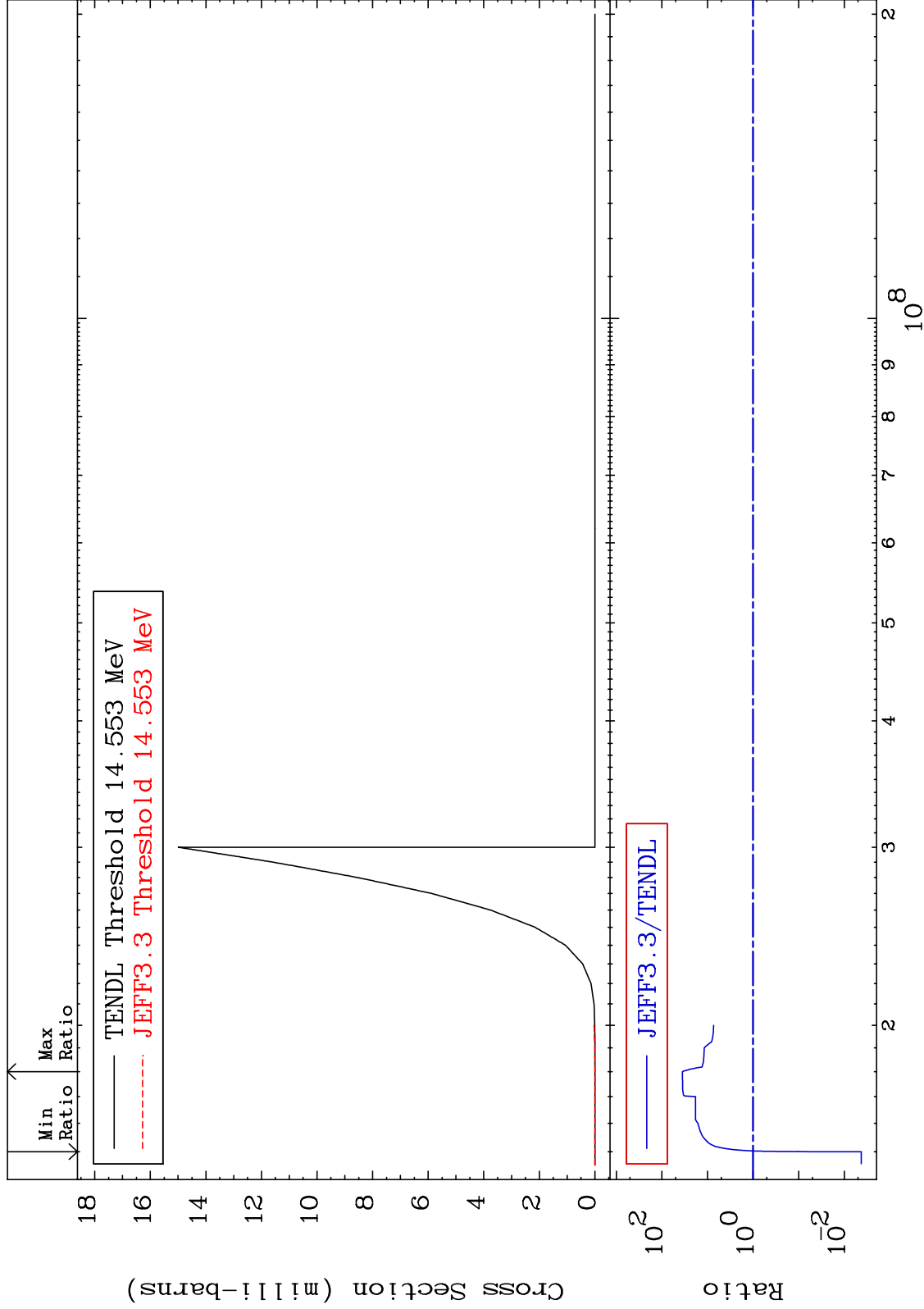
Radionuclide Production Cross Section -99.98 To 428.5 %



76

Incident Energy (eV)

72-Hf-174

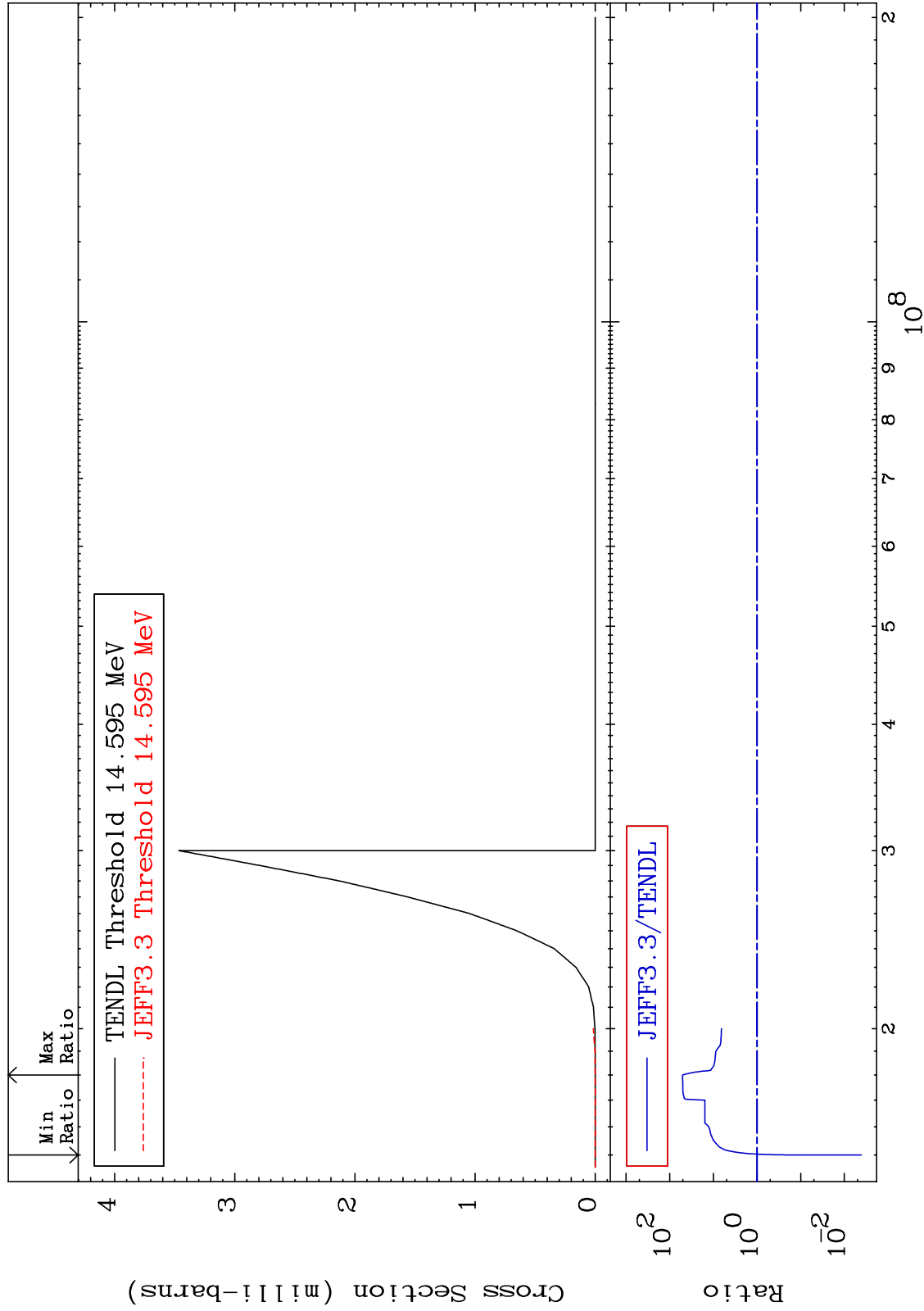


MAT 7225

(n,2n) p:71-Lu-172m1

72-Hf-174

Radionuclide Production Cross Section -99.59 To 4961. %

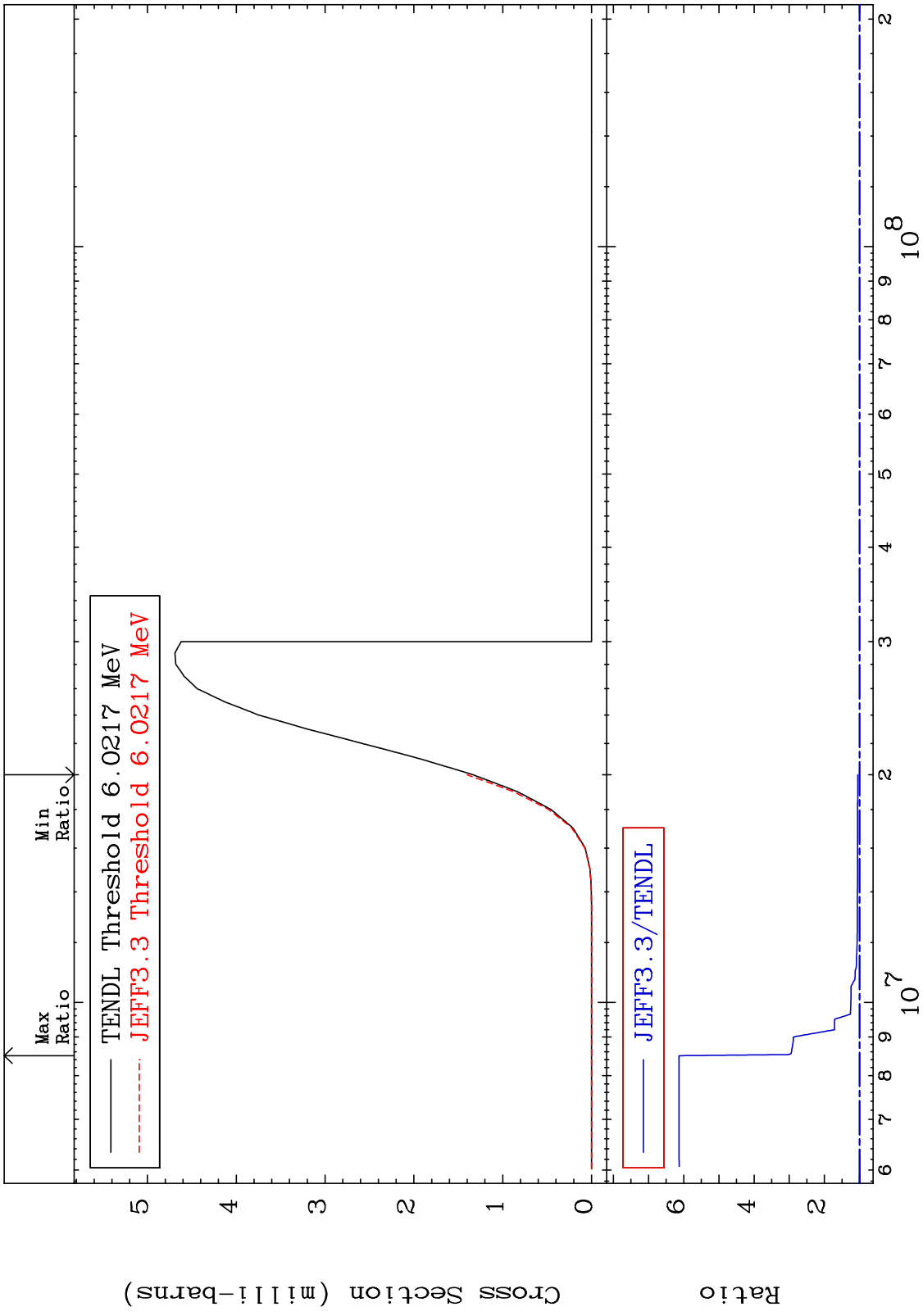


78

Incident Energy (eV)

72-Hf-174

MAT 7225 (n,t):71-Lu-172g 72-Hf-174
 Radionuclide Production Cross Section 4.988 To 513.3 %



79 72-Hf-174

MAT 7225 (n, t): 71-Lu-172m1 72-Hf-174
 Radionuclide Production Cross Section -10.46 To 82.21 %

