

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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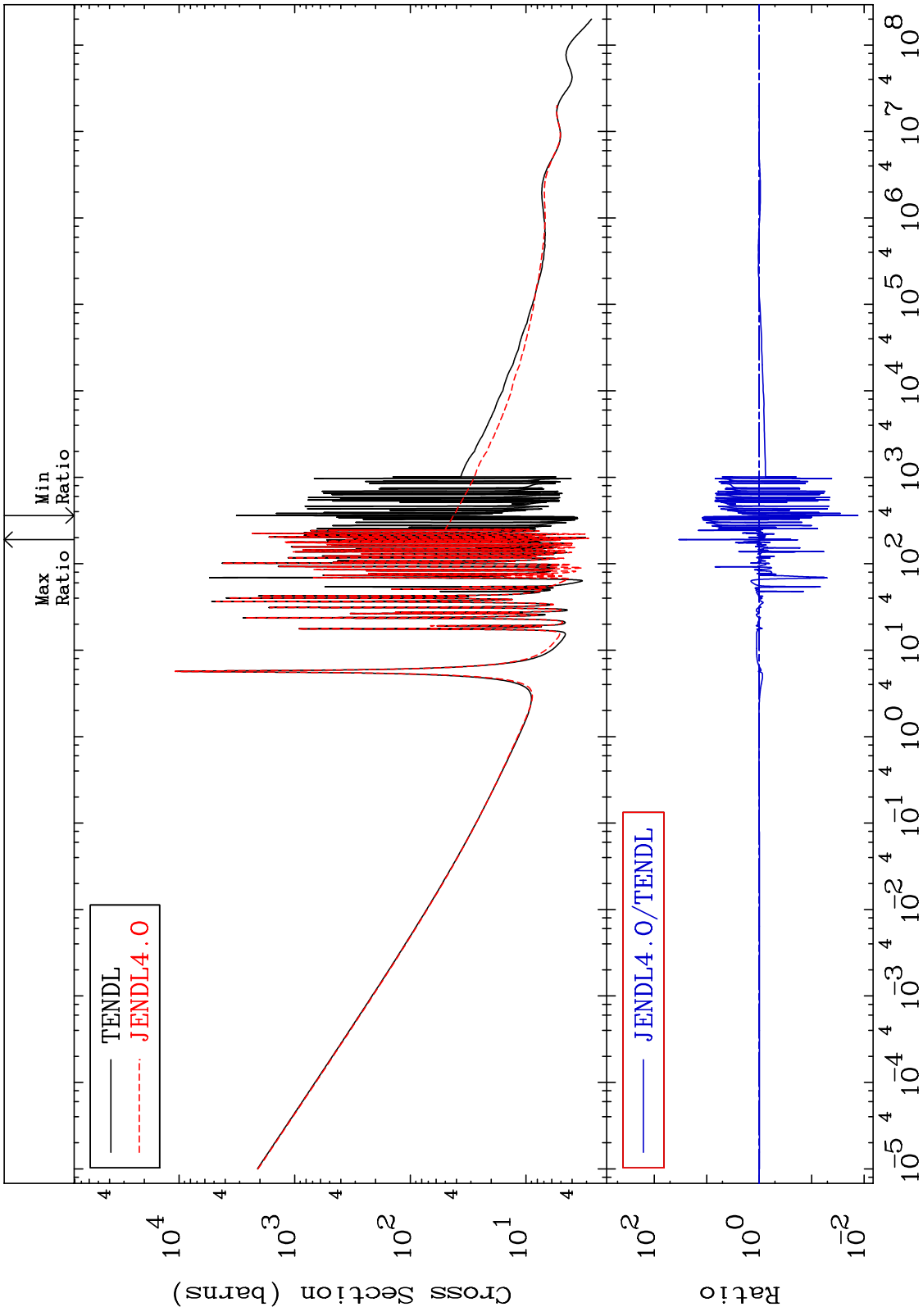
U.S.A.

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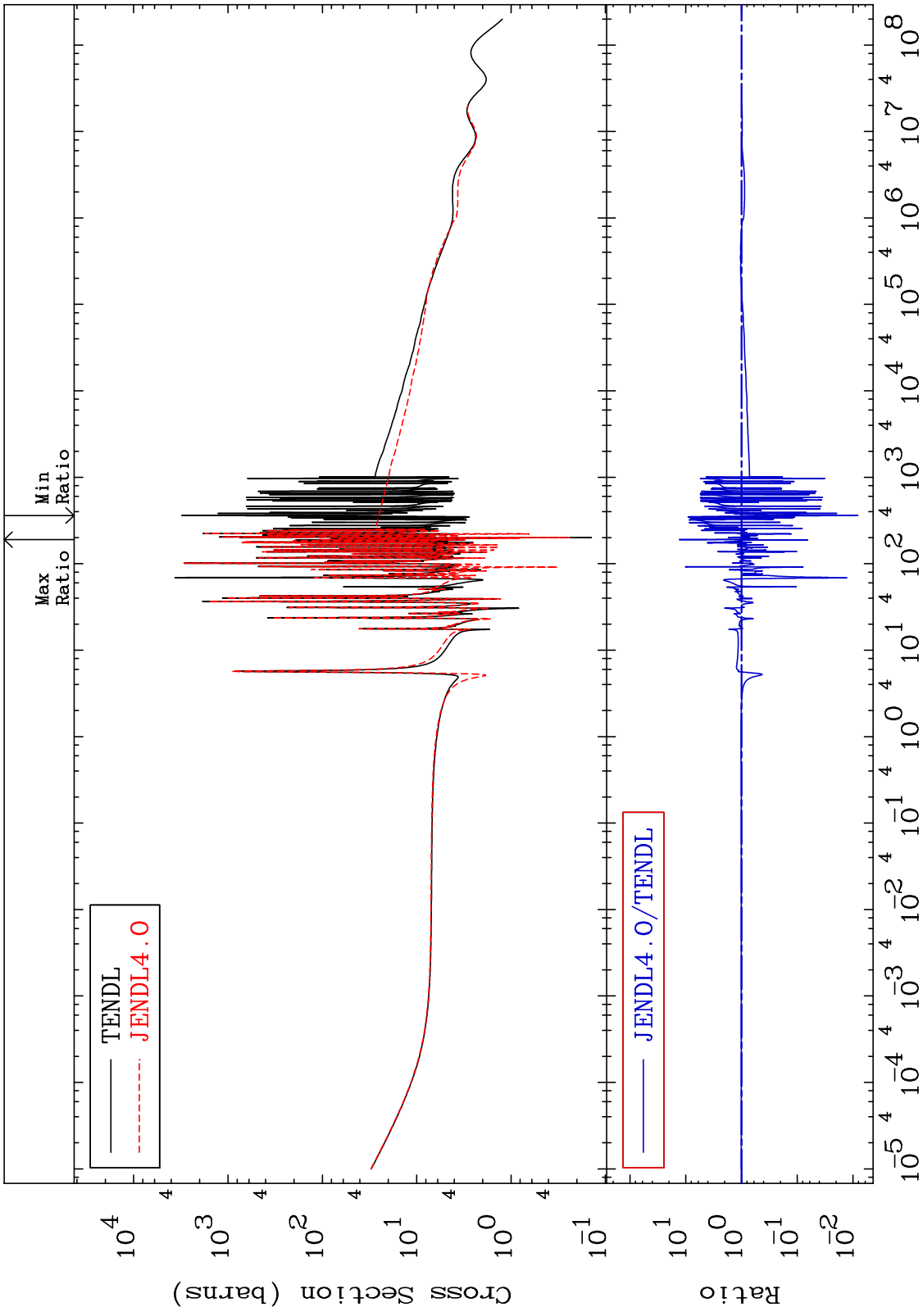
Press Mouse Button to Start

MAT 7240 Total Cross Section 72-Hf-179 -98.68 To 3262. %



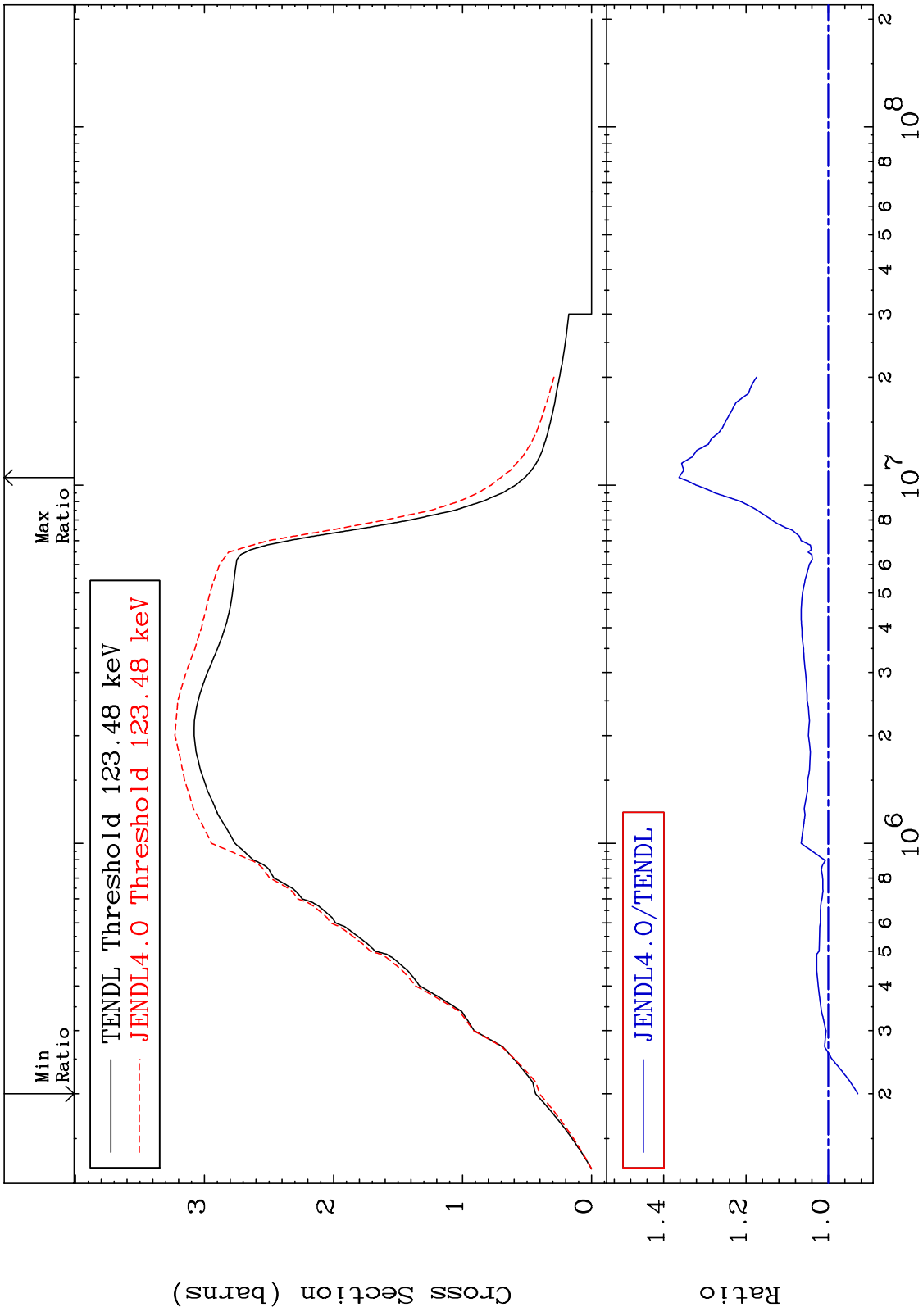
Incident Energy (eV) 72-Hf-179

MAT 7240 Elastic Cross Section 72-Hf-179 -99.18 To 1220. %



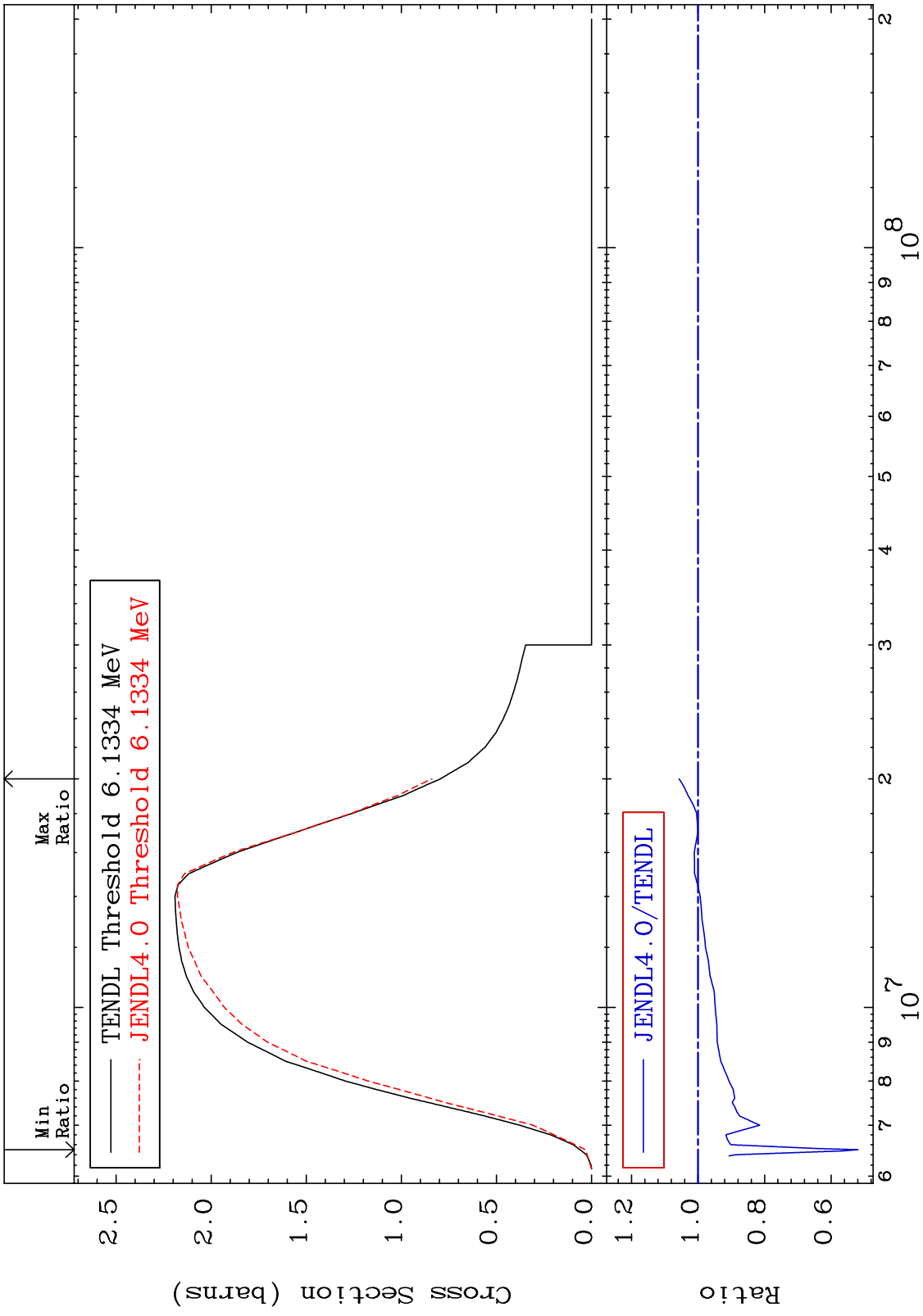
Incident Energy (eV) 72-Hf-179

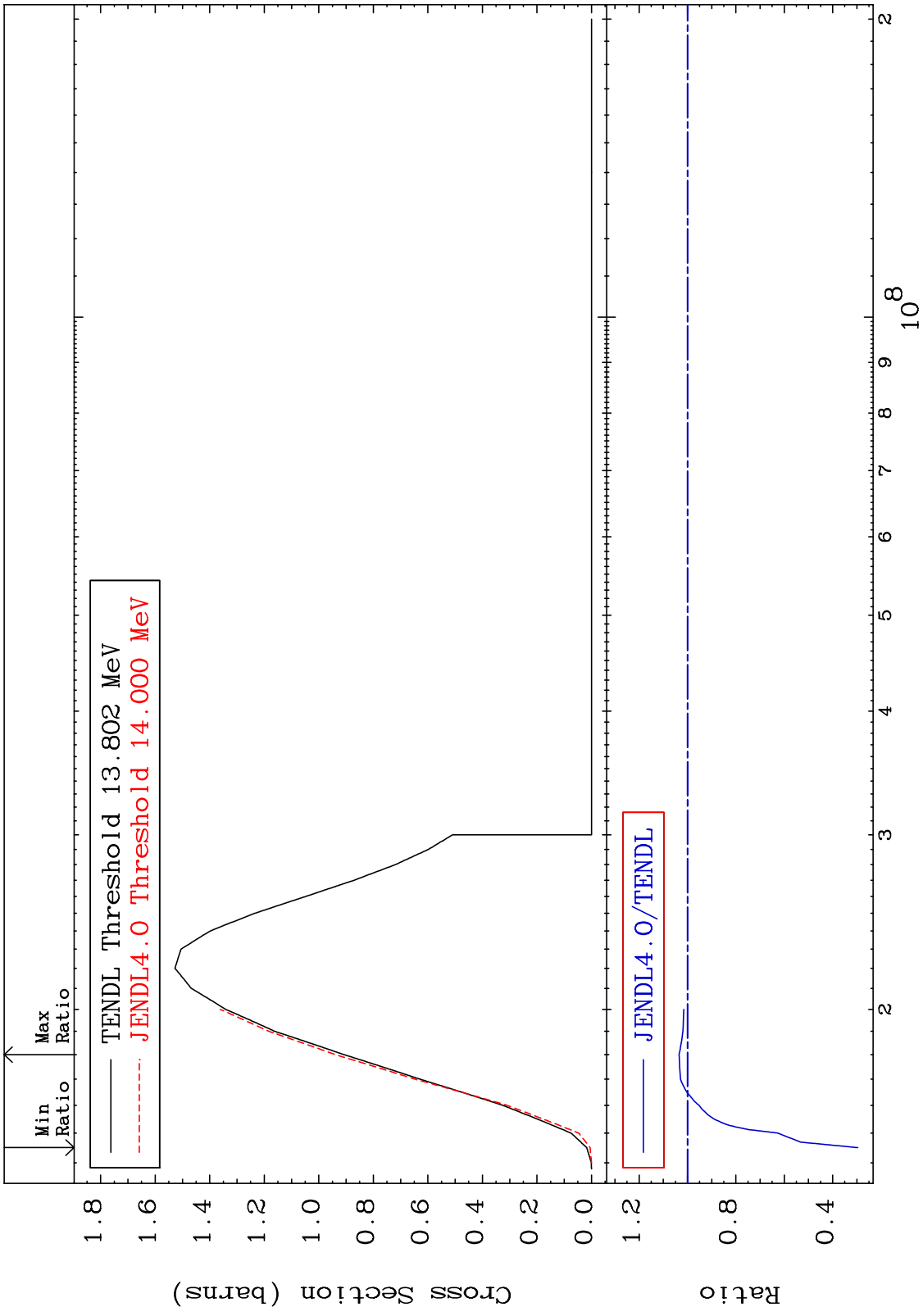
MAT 7240 Inelastic Cross Section 72-Hf-179 -7.166 To 36.26 %



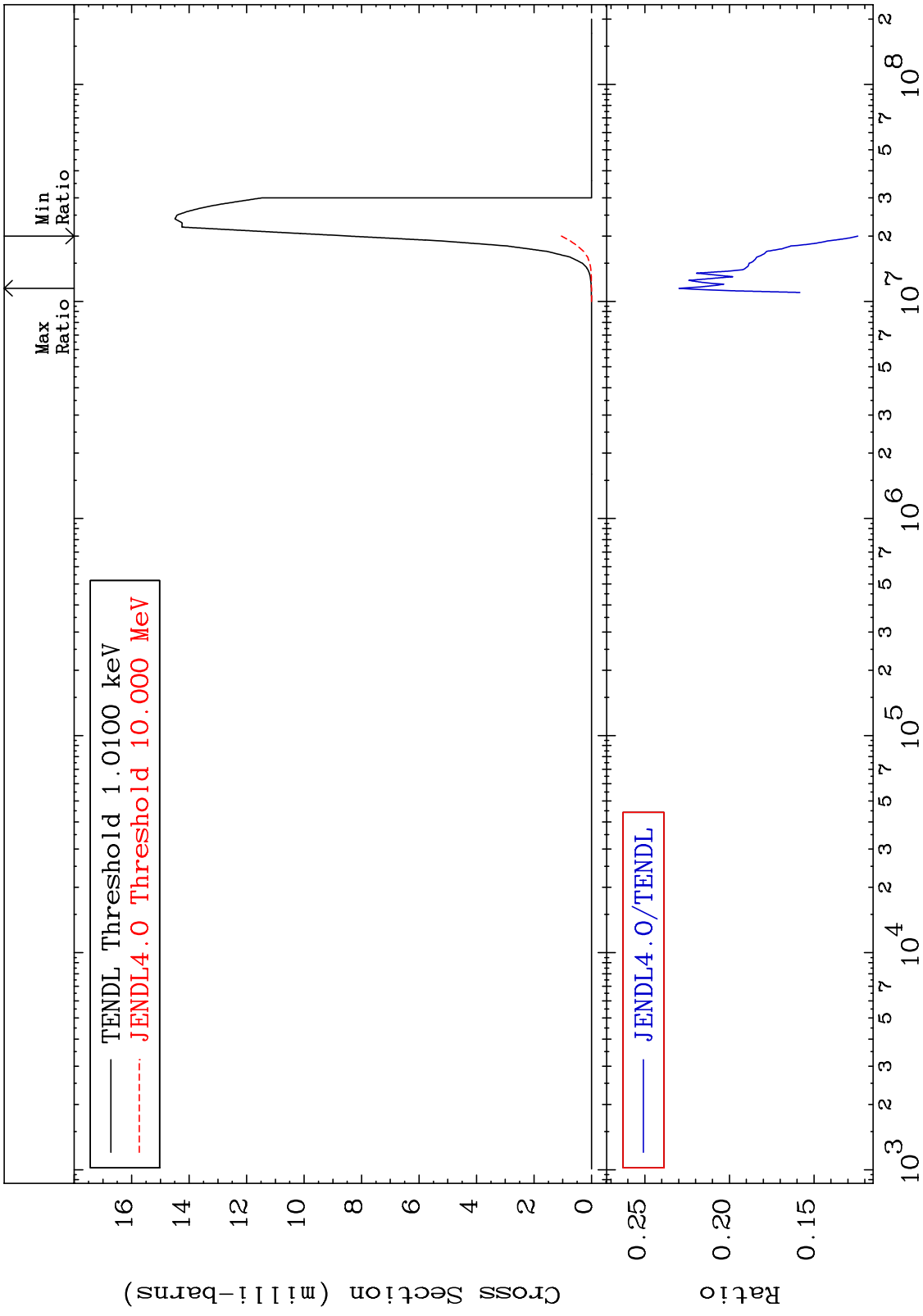
3 72-Hf-179

MAT 7240 72-Hf-179
-48.03 To 5.701 %
 (n,2n)
 Cross Section



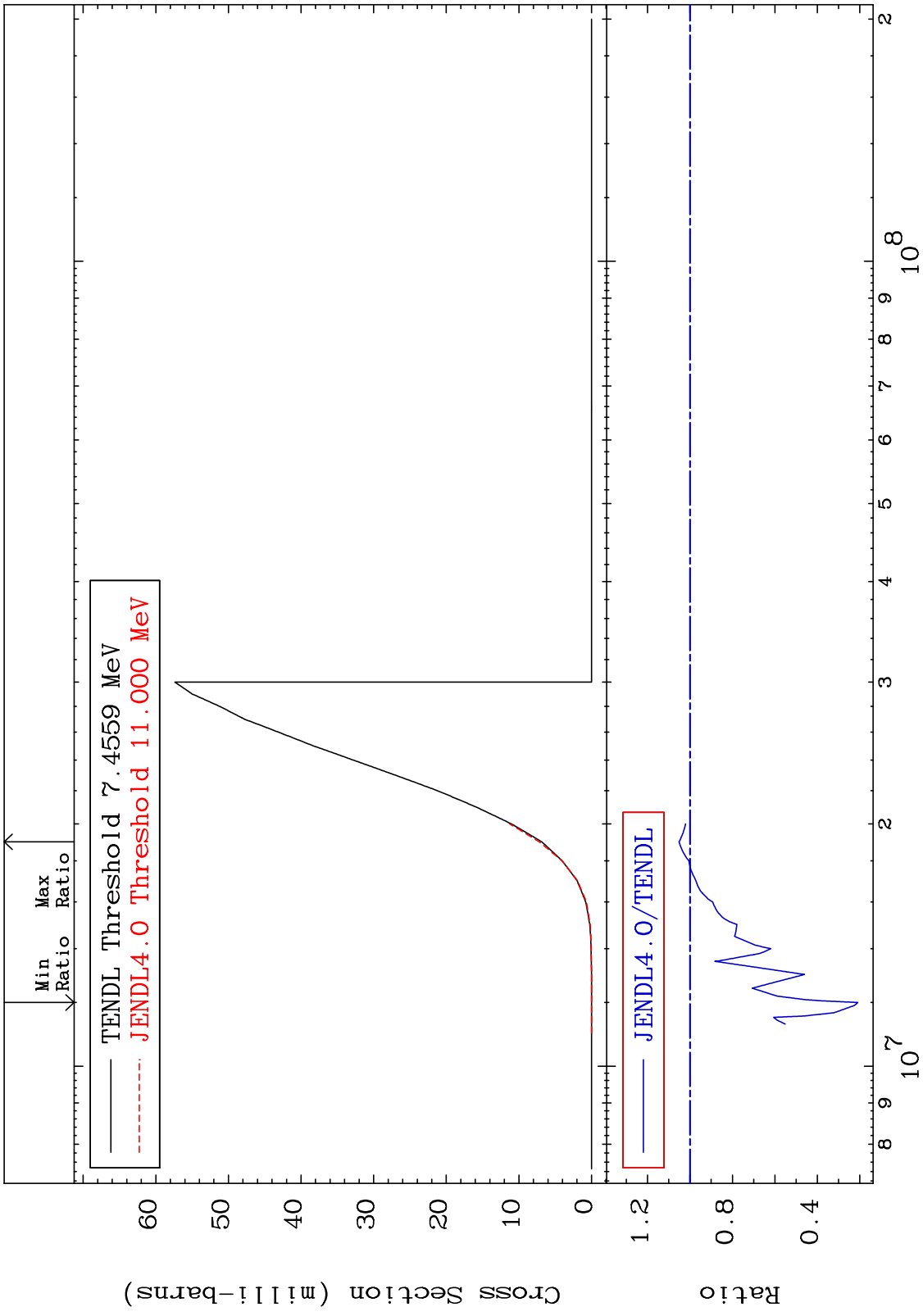


MAT 7240 (n,n') α Cross Section 72-Hf-179 -87.59 To -77.02%



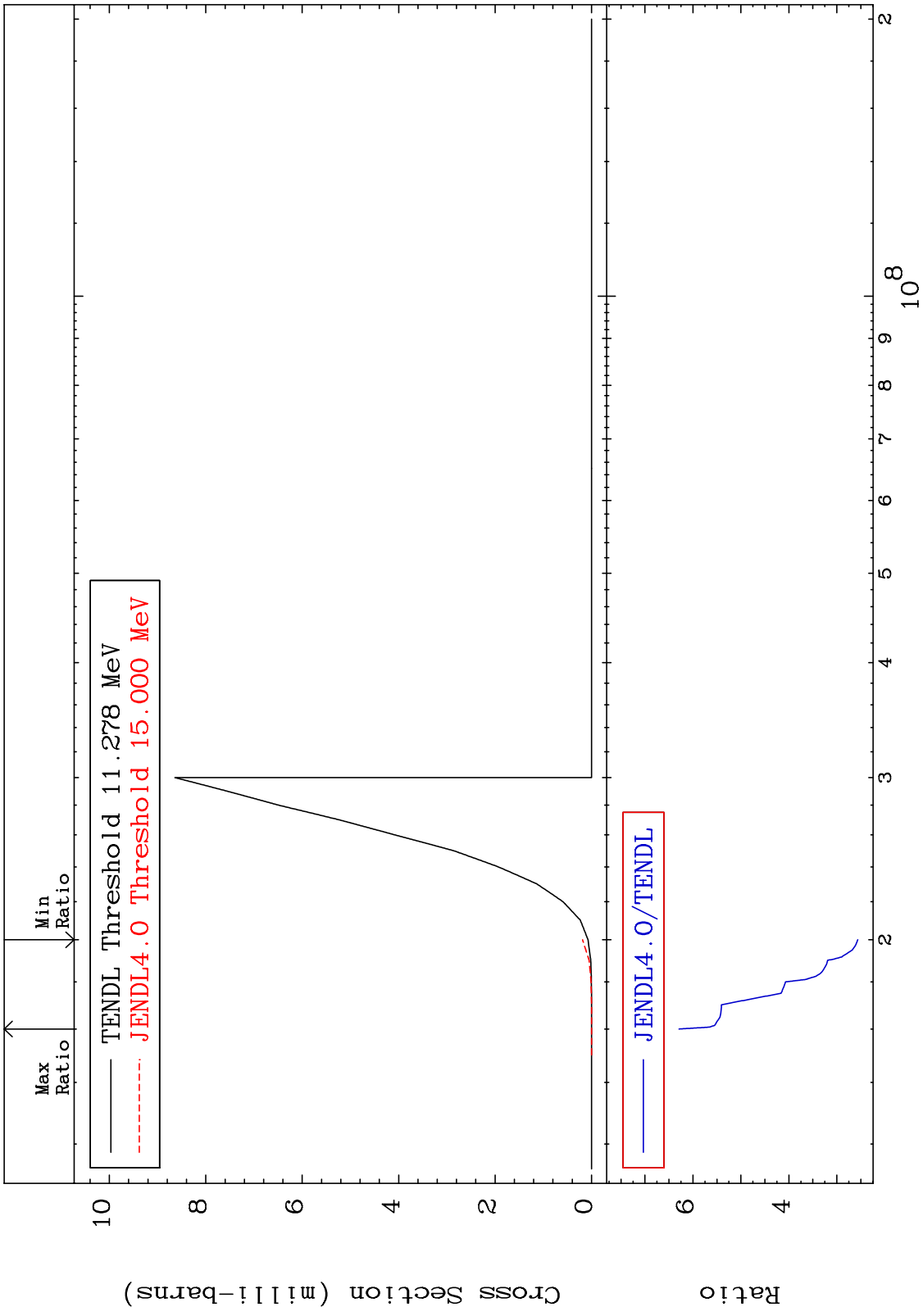
6 72-Hf-179

MAT 7240 (n,n') p 72-Hf-179
Cross Section -79.11 To 5.163 %

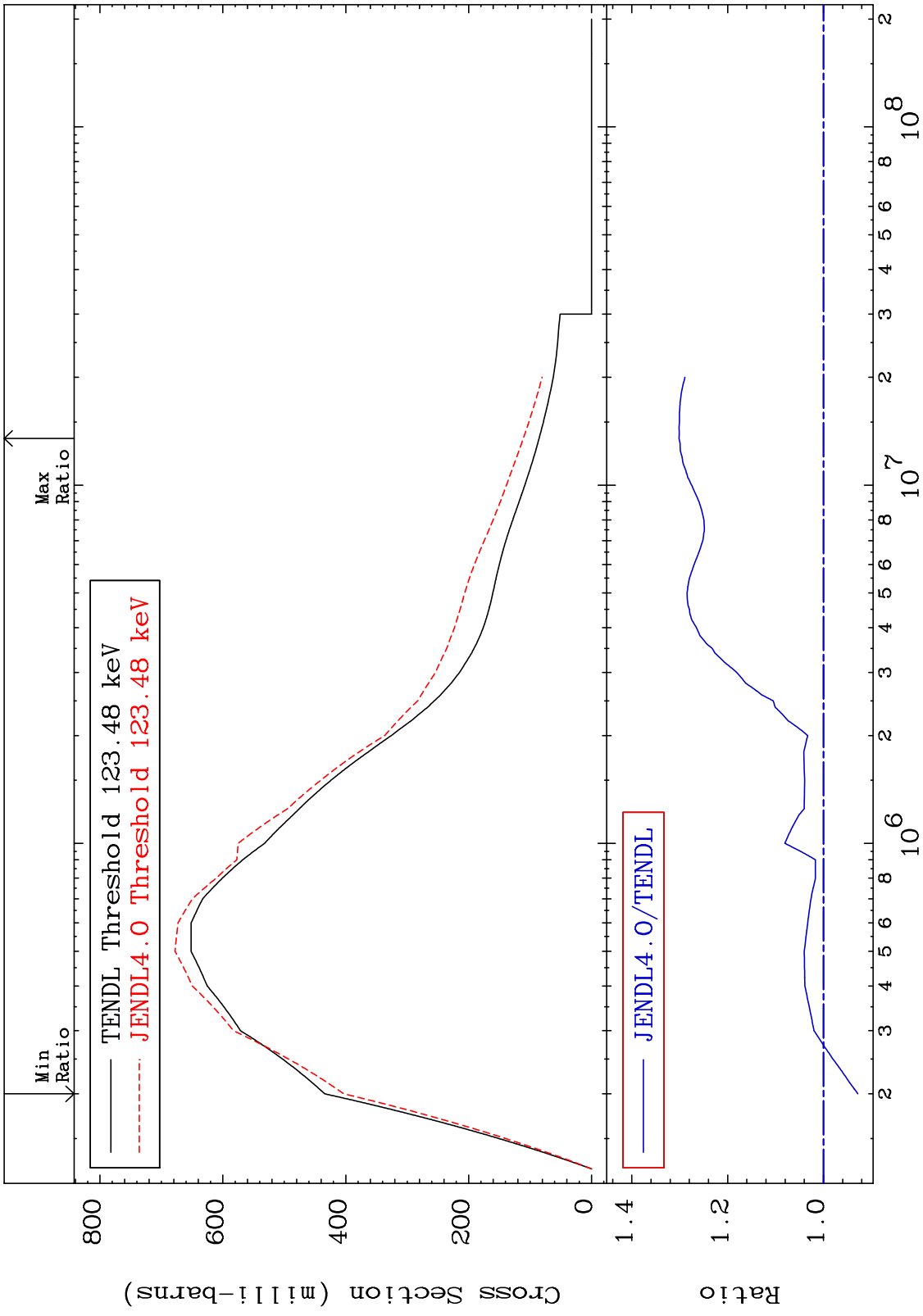


7 Incident Energy (eV) 72-Hf-179

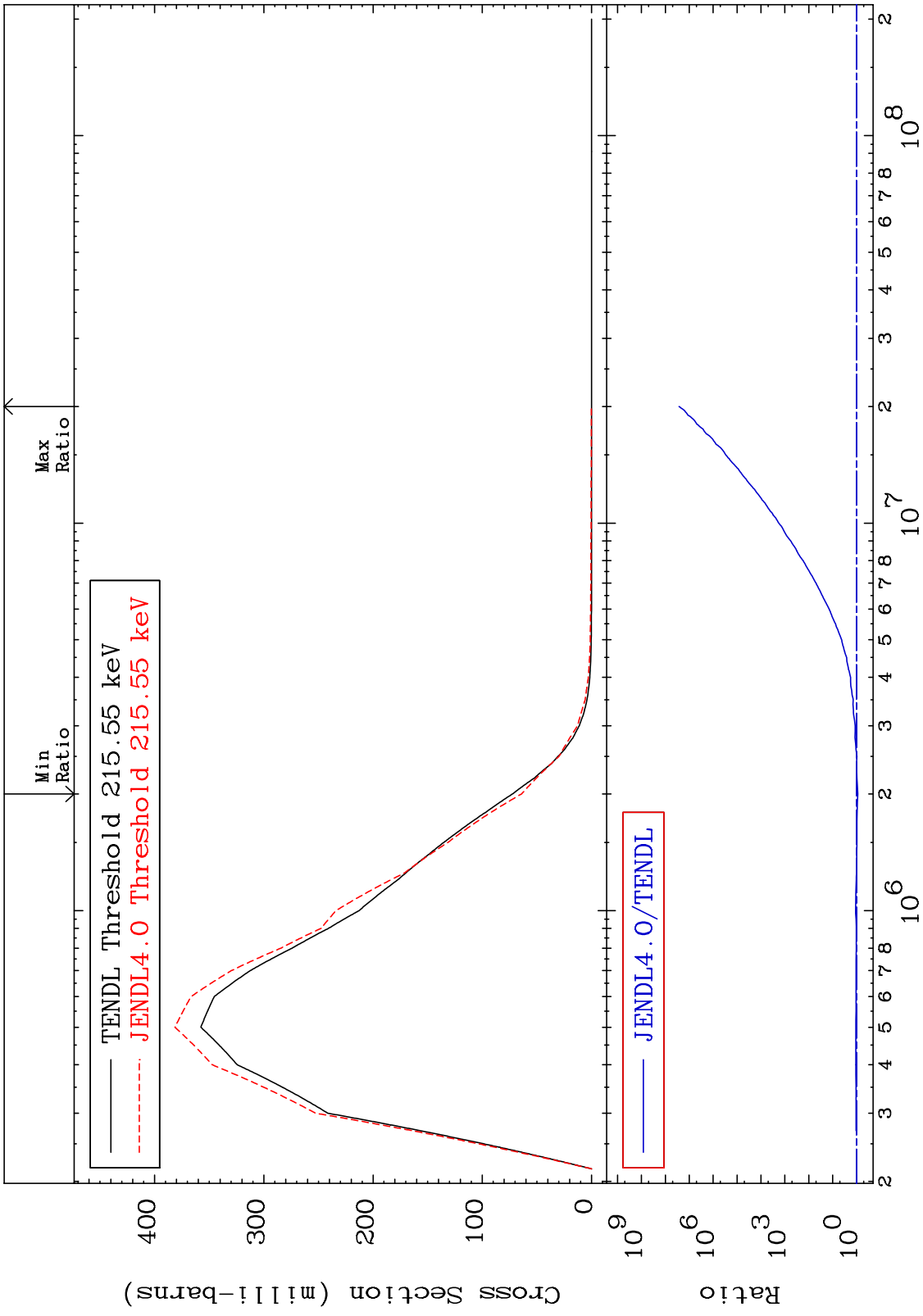
MAT 7240 (n,n') d 72-Hf-179
 Cross Section 156.2 To 528.9 %



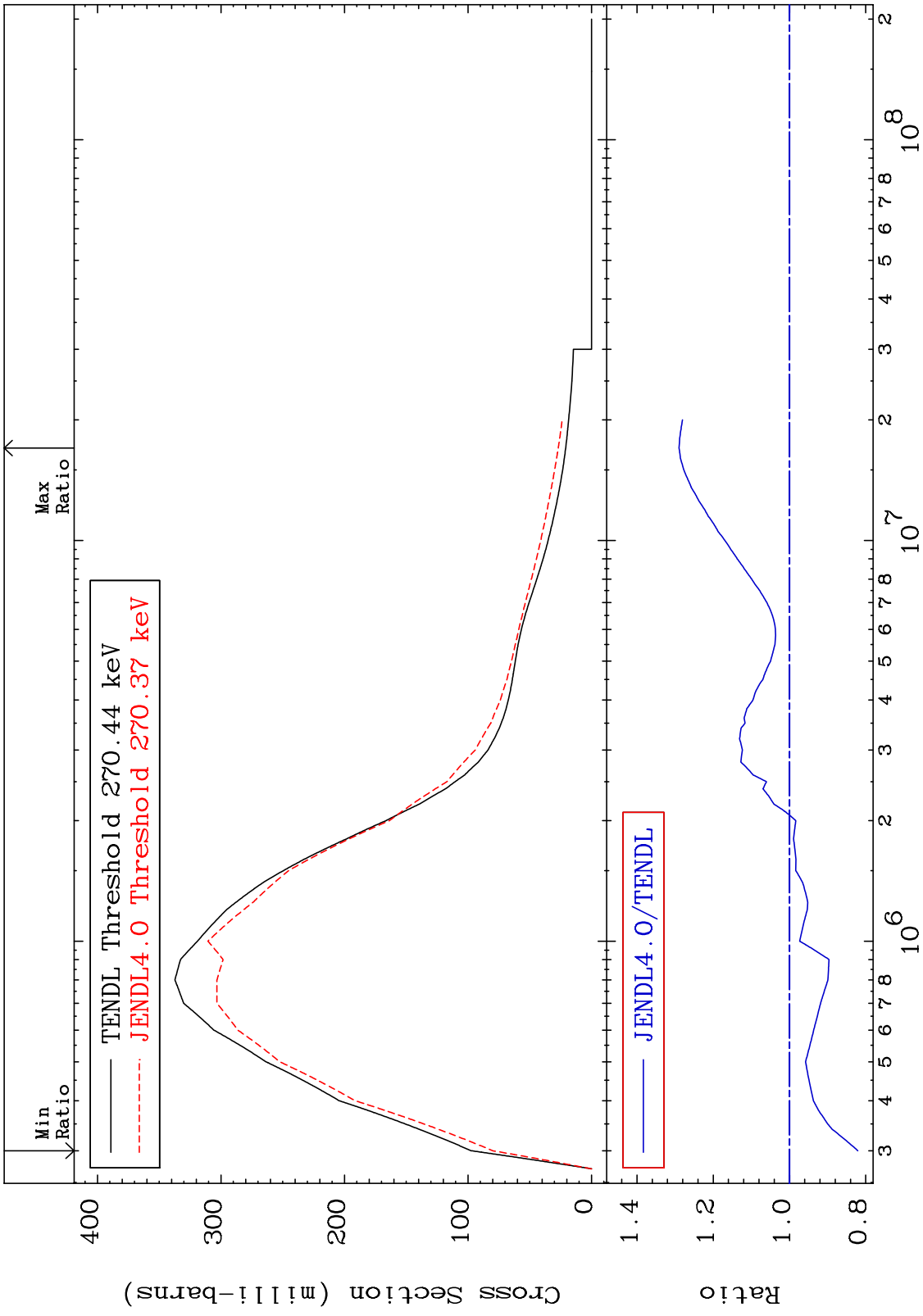
MAT 7240 MT= 51 (n,n') Level Cross Section 72-Hf-179
 -7.166 To 30.15 %



MAT 7240 MT= 52 (n,n') Level Cross Section 72-Hf-179
 -11.45 To 9999. %

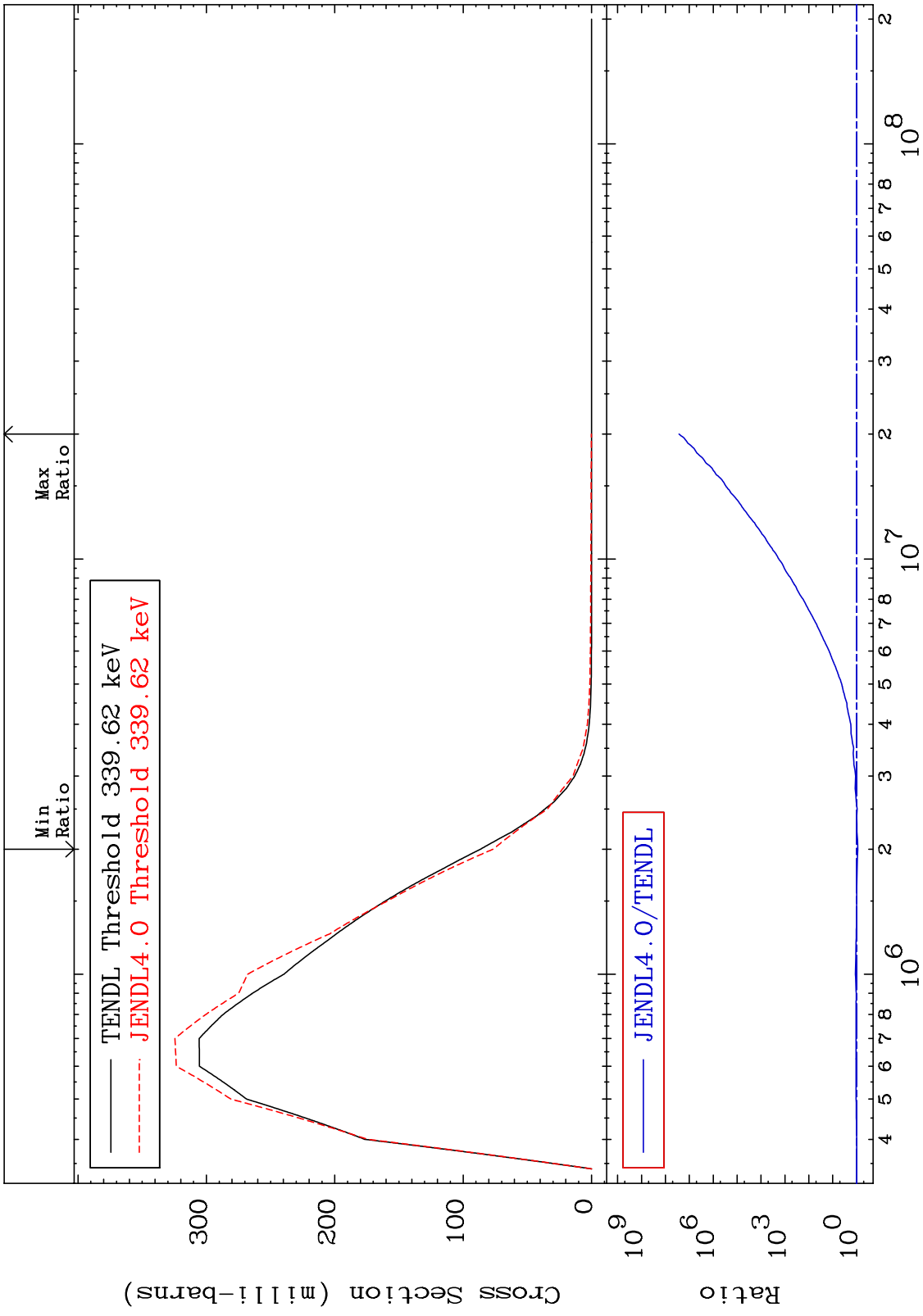


MAT 7240 MT= 53 (n,n') Level Cross Section 72-Hf-179
 -17.92 To 28.96 %

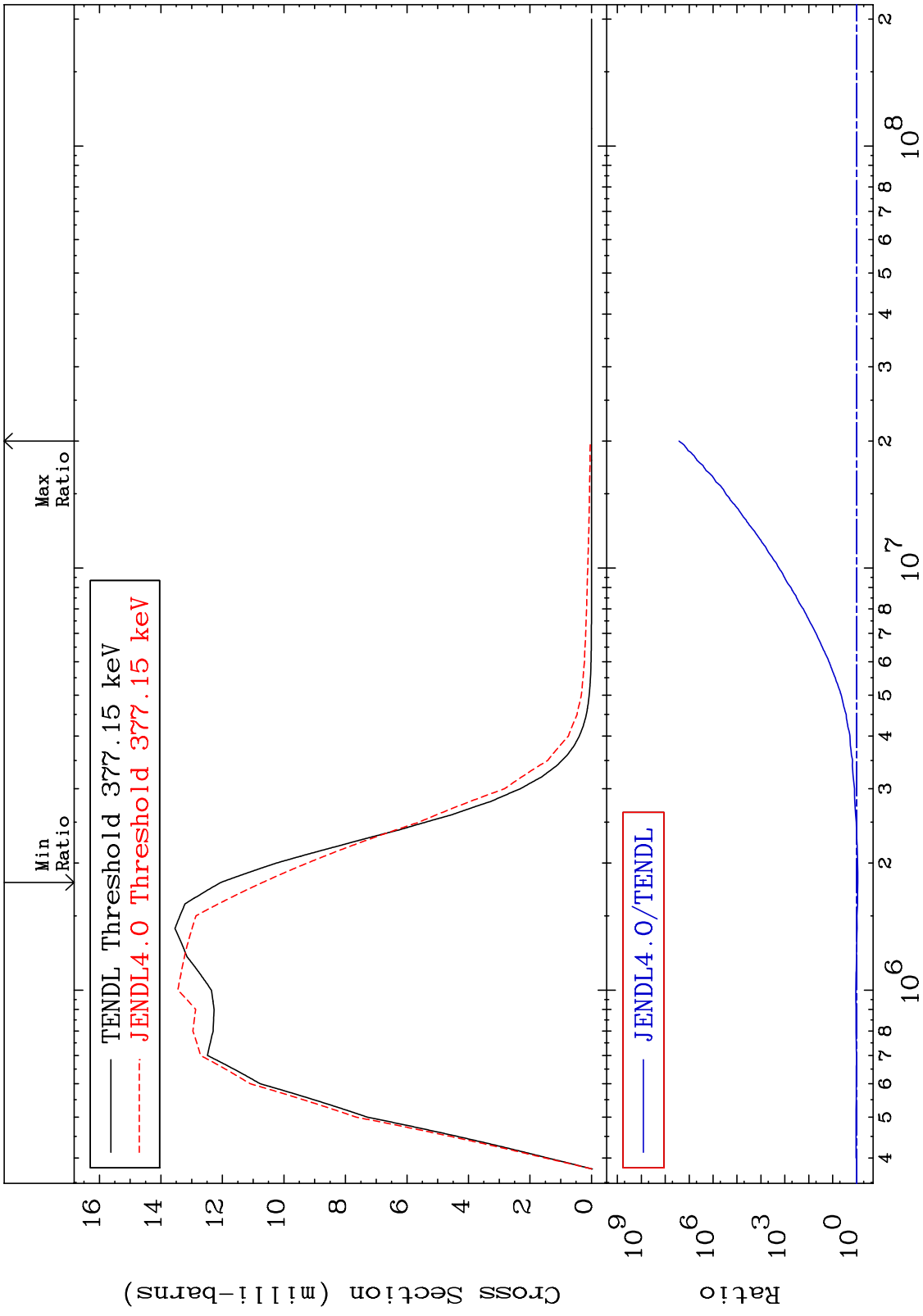


11 72-Hf-179

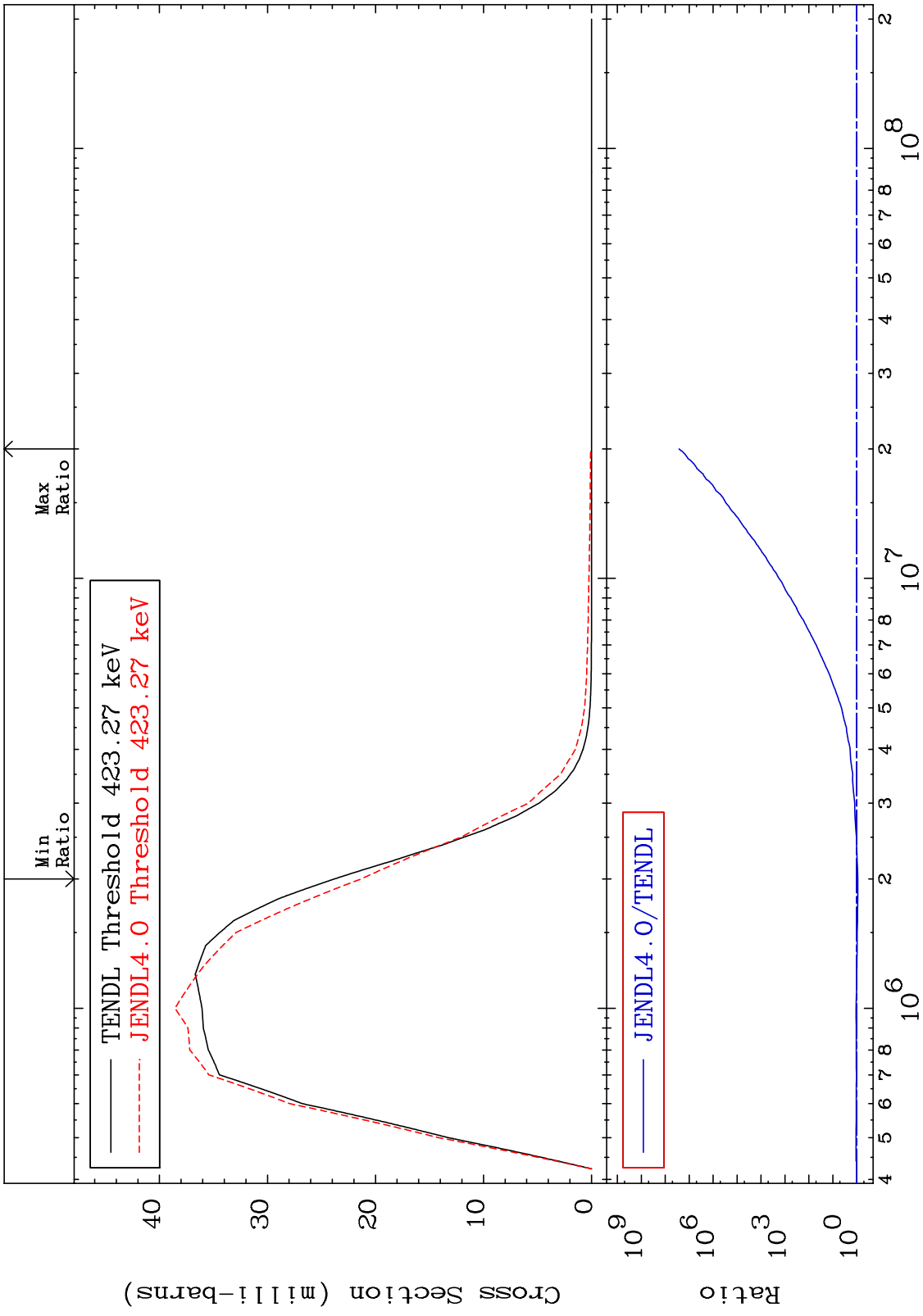
MAT 7240 MT= 54 (n,n') Level Cross Section 72-Hf-179
 -11.32 To 9999. %



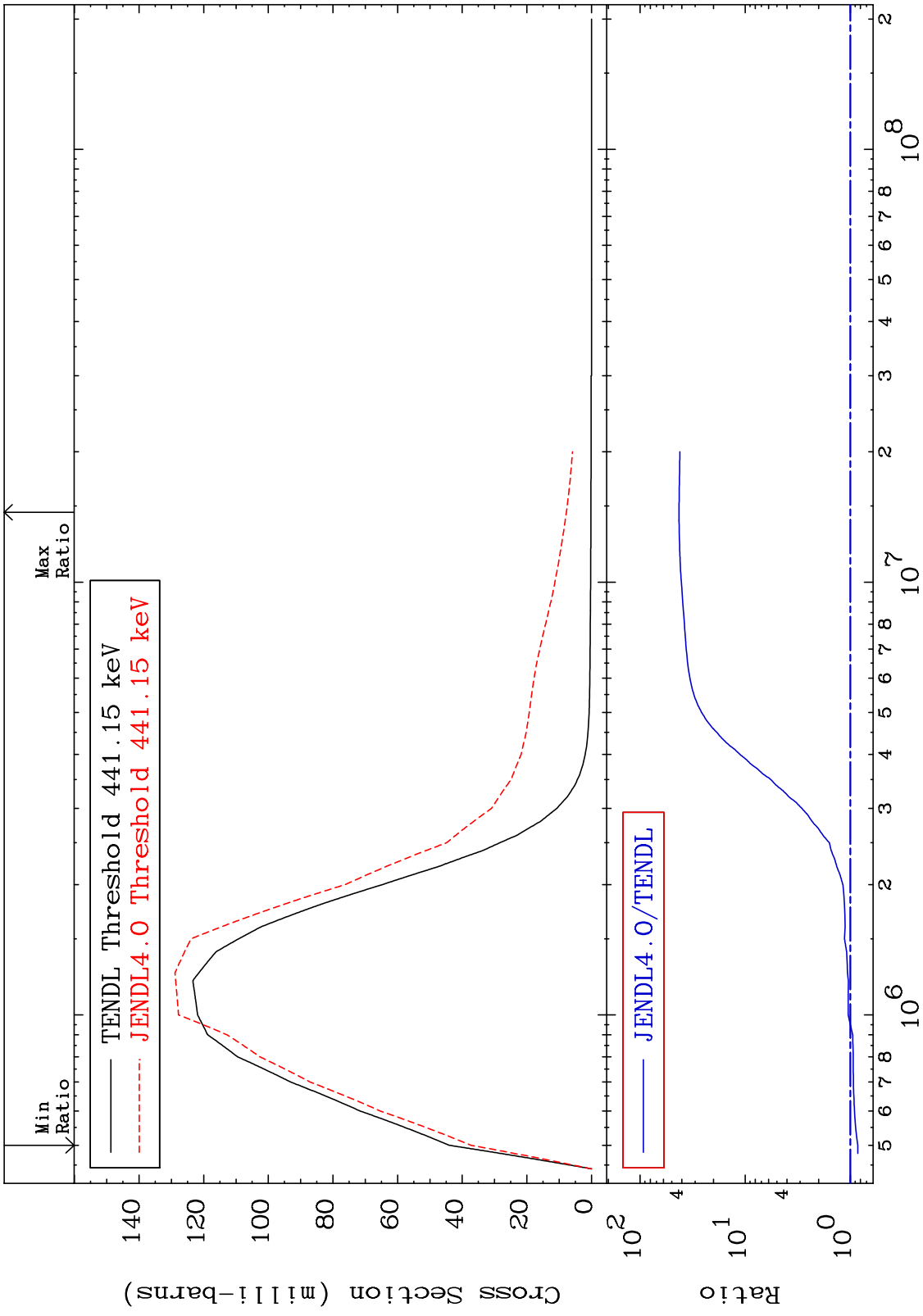
MAT 7240 MT= 55 (n,n') Level Cross Section -11.28 To 9999. % 72-Hf-179



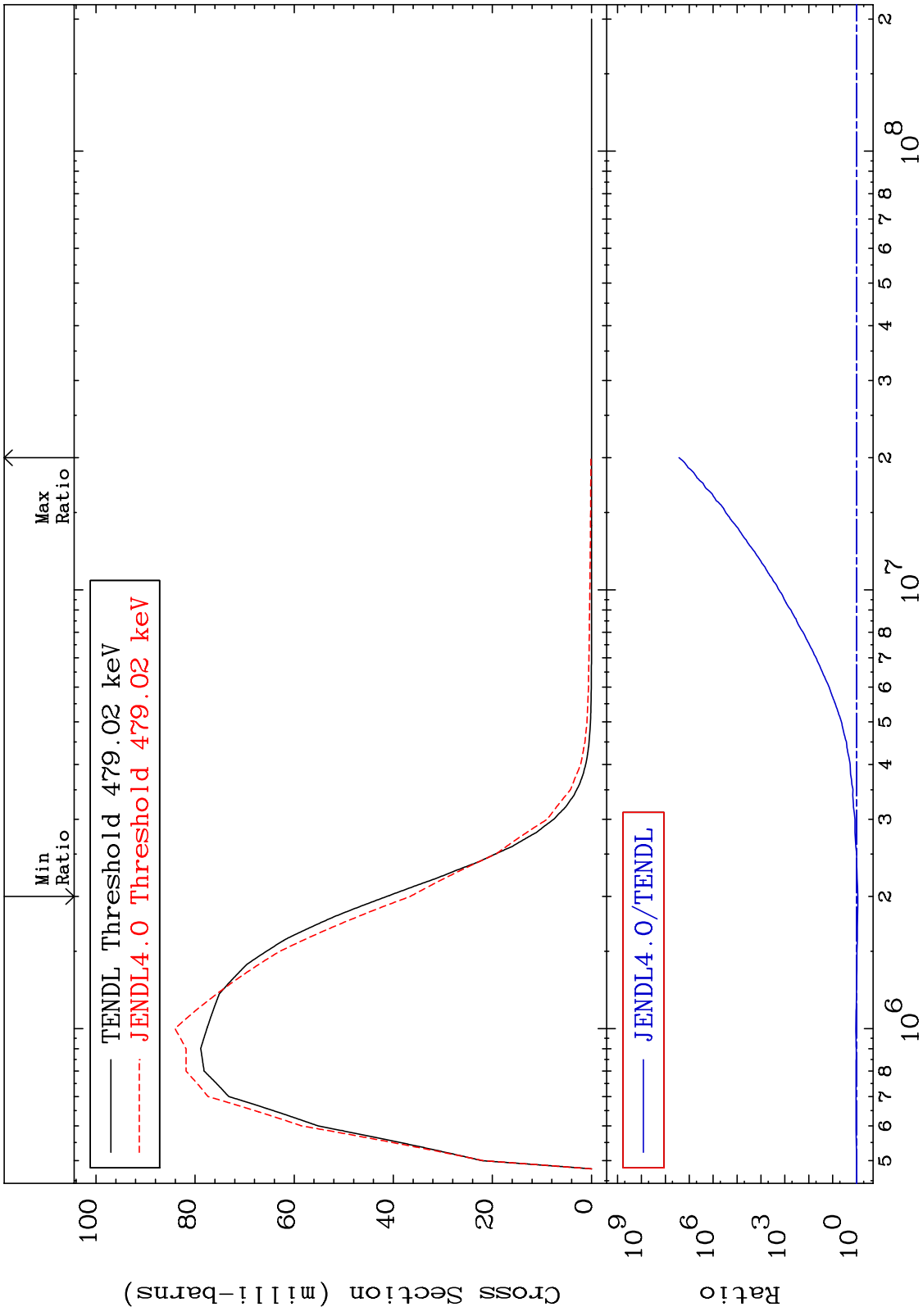
MAT 7240 MT= 56 (n,n') Level Cross Section 72-Hf-179
 -10.42 To 9999. %



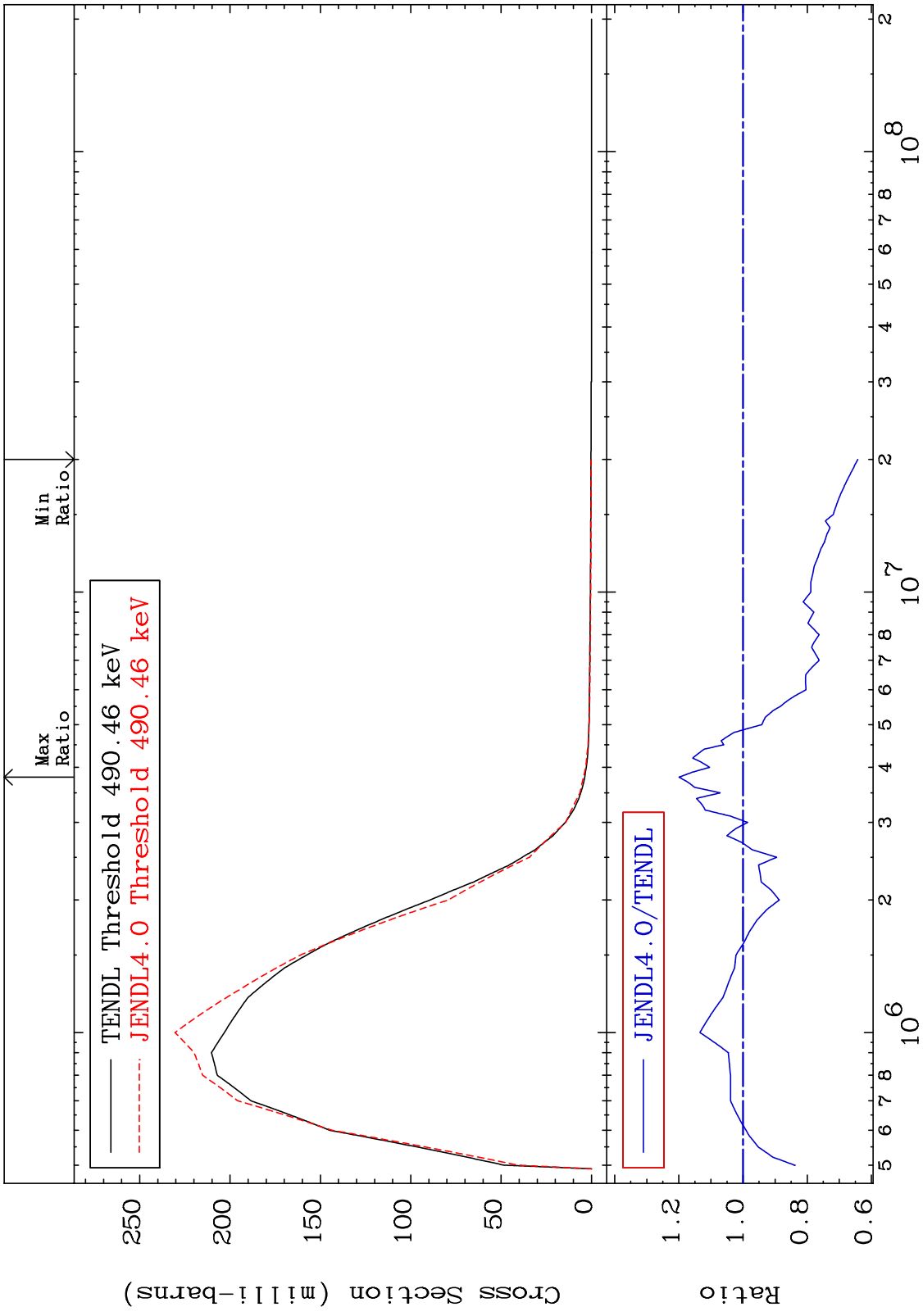
MAT 7240 MT= 57 (n,n') Level 72-Hf-179
 Cross Section -15.25 To 4160. %



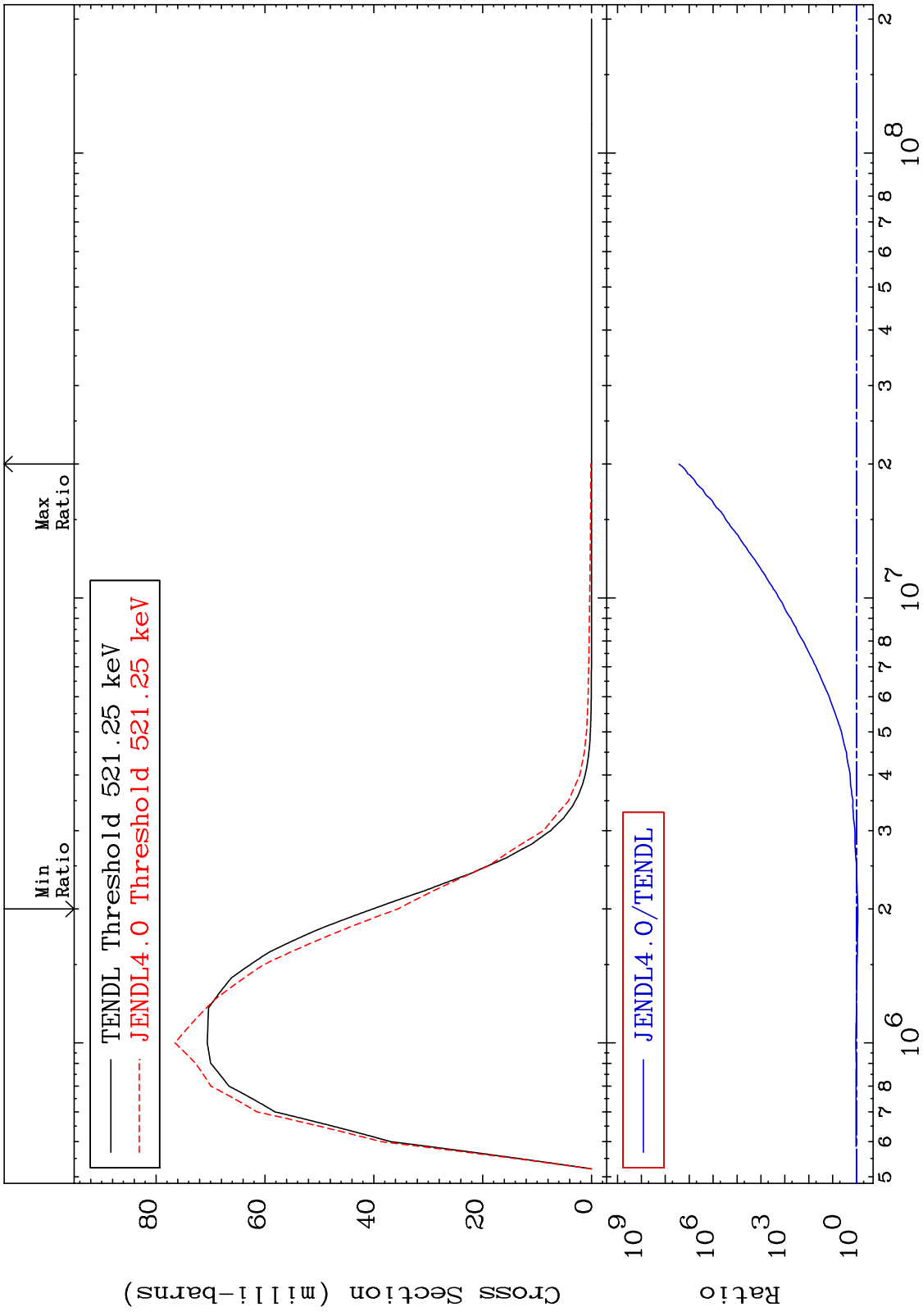
MAT 7240 MT= 58 (n,n') Level Cross Section -11.41 To 9999. % 72-Hf-179



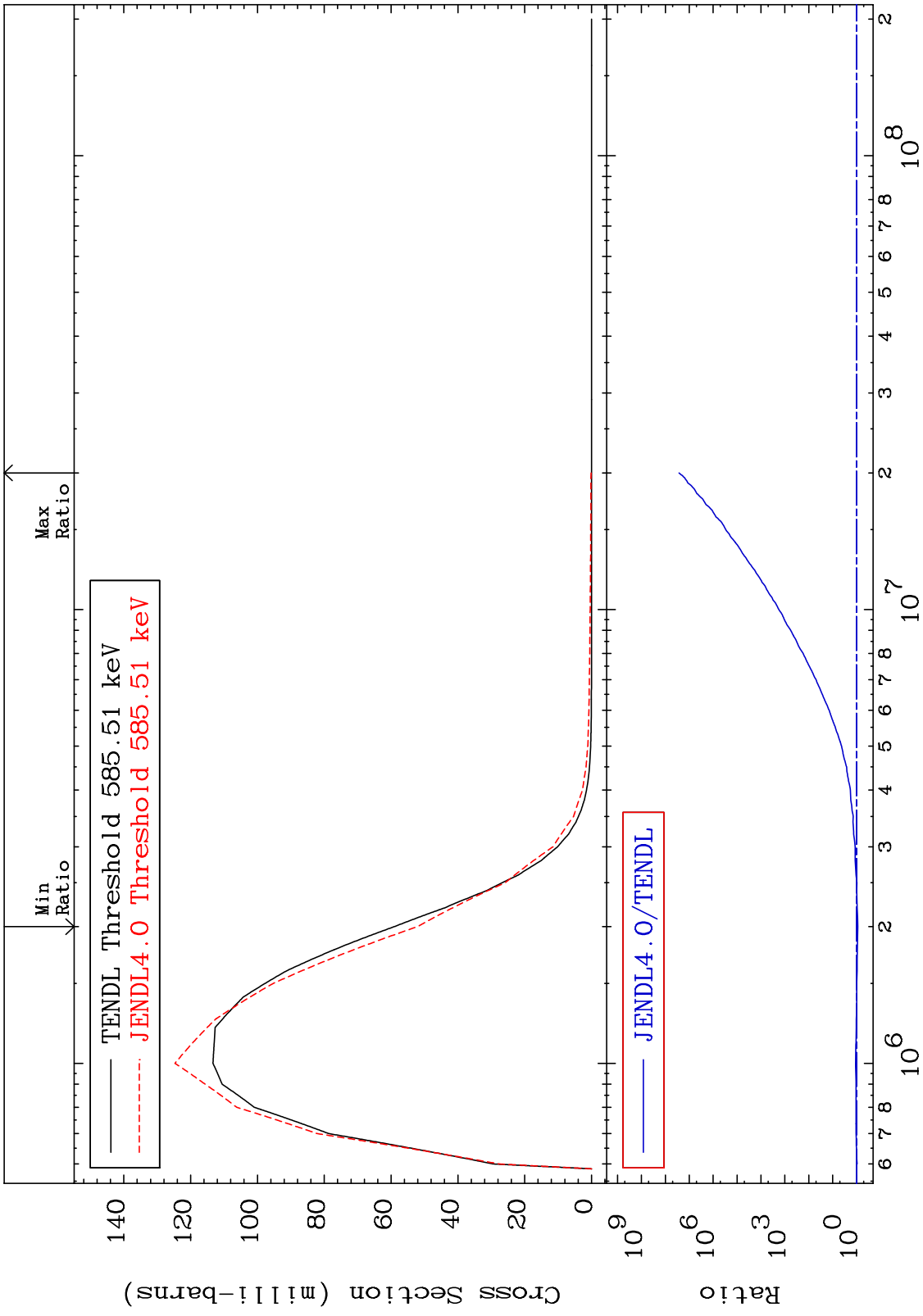
MAT 7240 MT= 59 (n,n') Level Cross Section 72-Hf-179
 -35.77 To 19.94 %



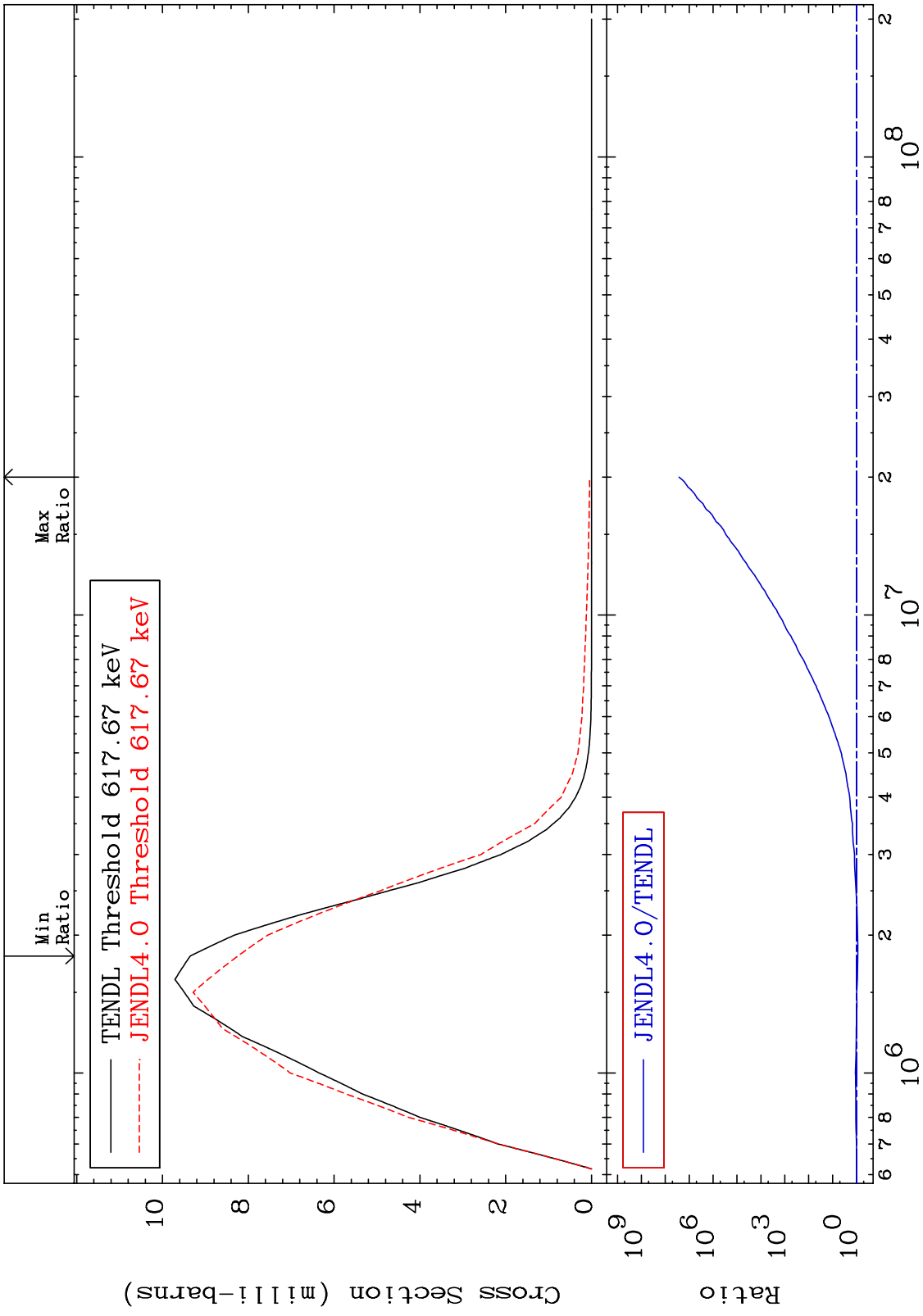
MAT 7240 MT= 60 (n,n') Level Cross Section 72-Hf-179
 -11.41 To 9999. %



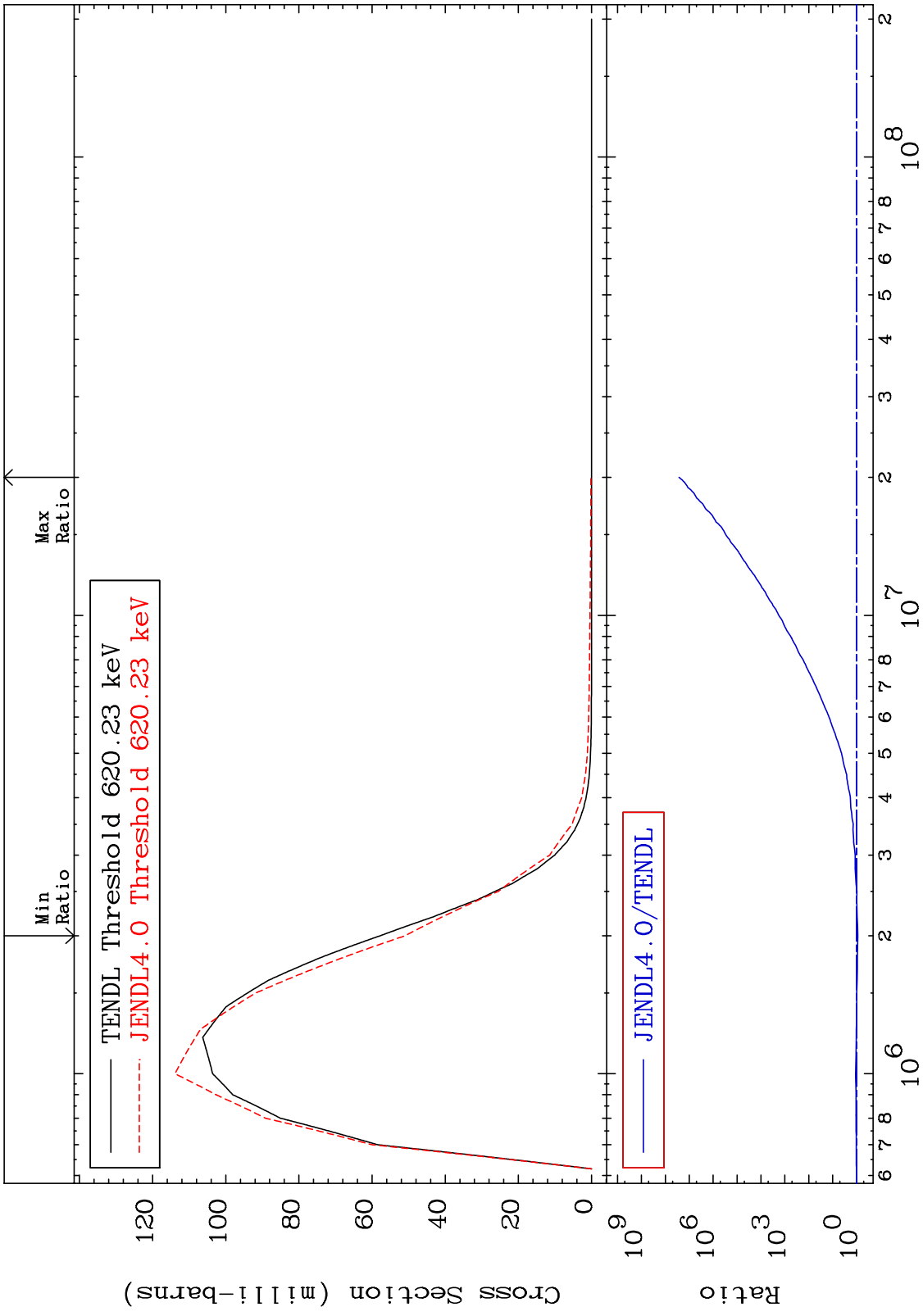
MAT 7240 MT= 61 (n,n') Level Cross Section 72-Hf-179
 -11.75 To 9999. %



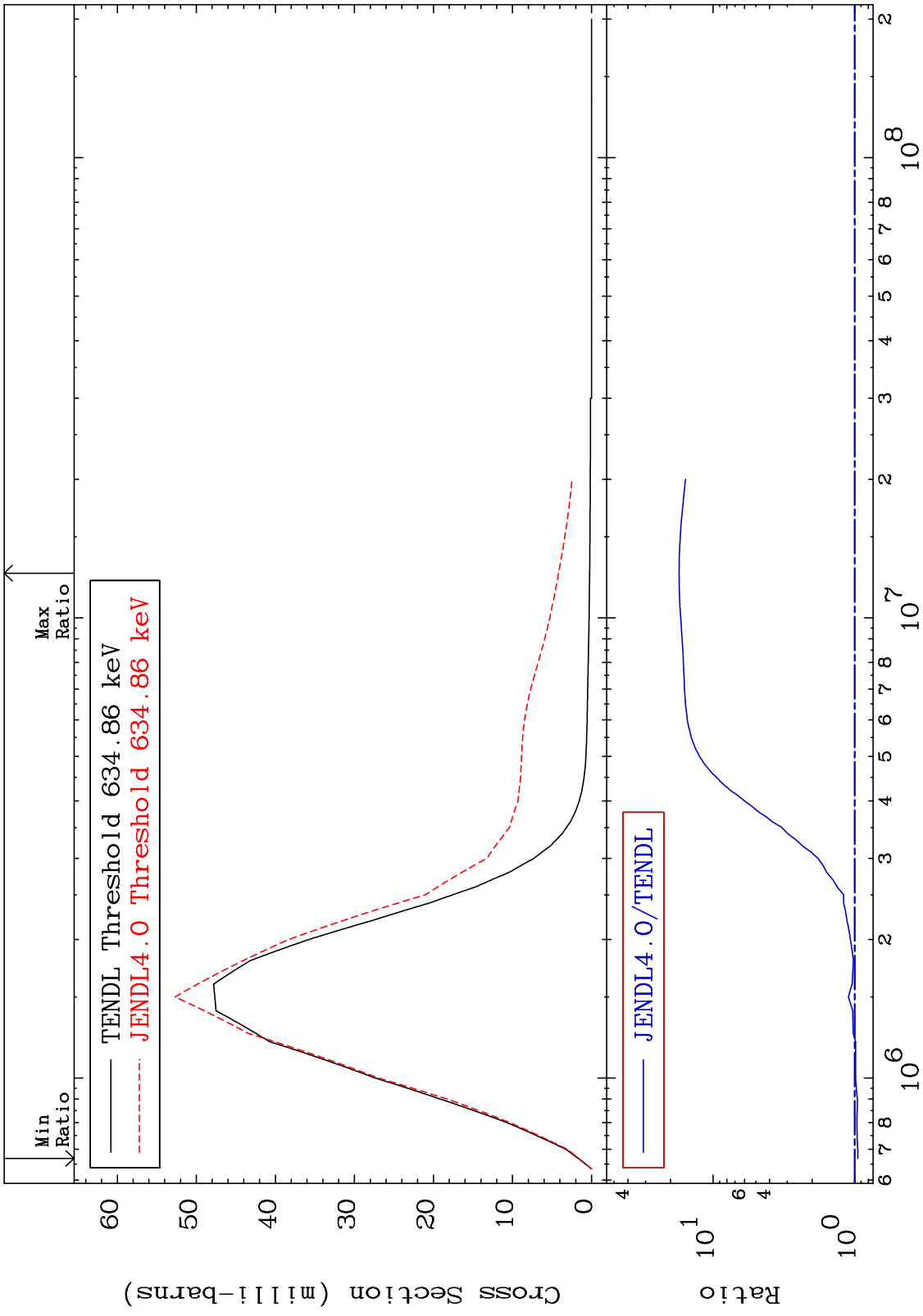
MAT 7240 MT= 62 (n,n') Level Cross Section 72-Hf-179
 -11.87 To 9999. %



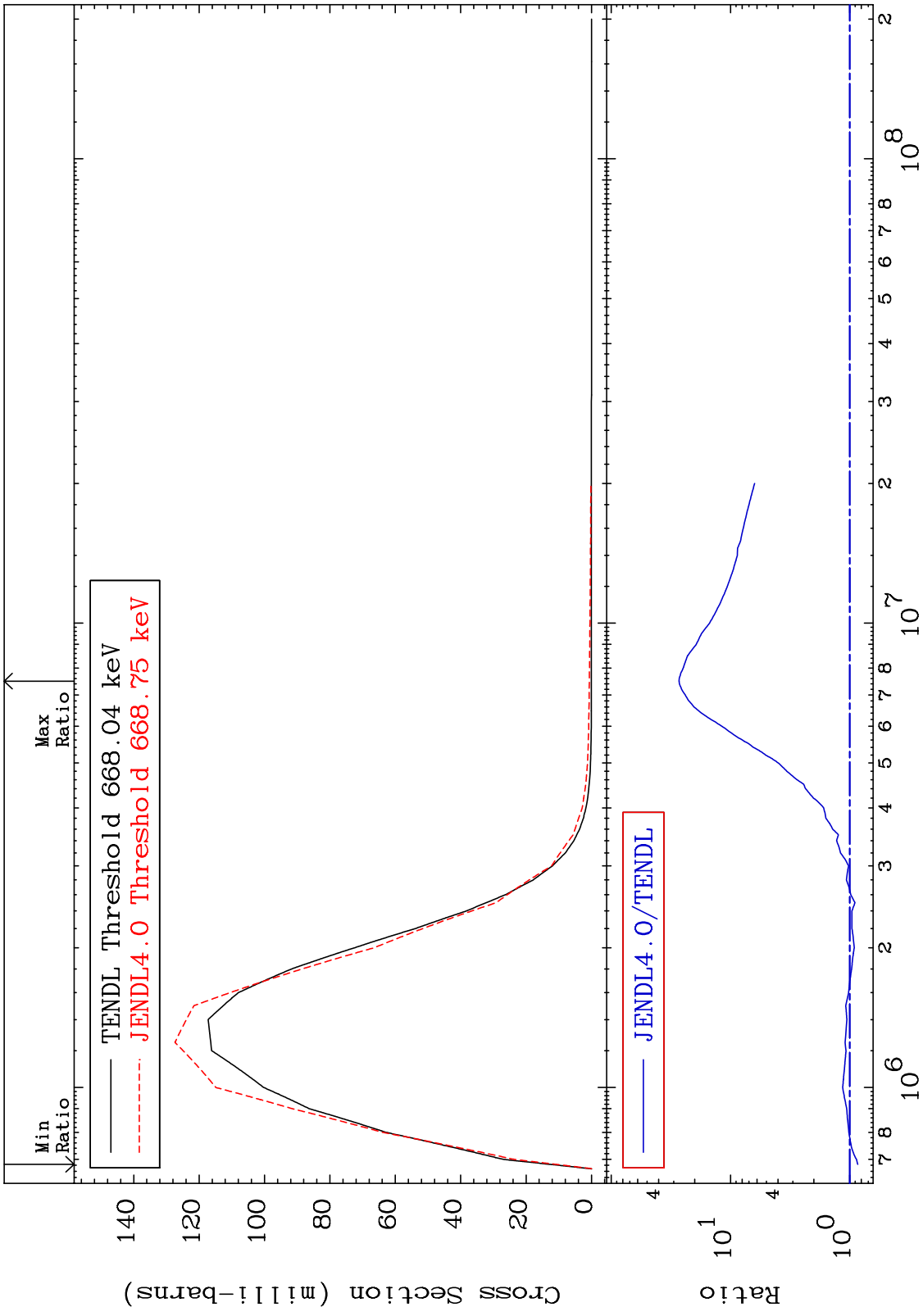
MAT 7240 MT= 63 (n,n') Level Cross Section 72-Hf-179
 -11.78 To 9999. %



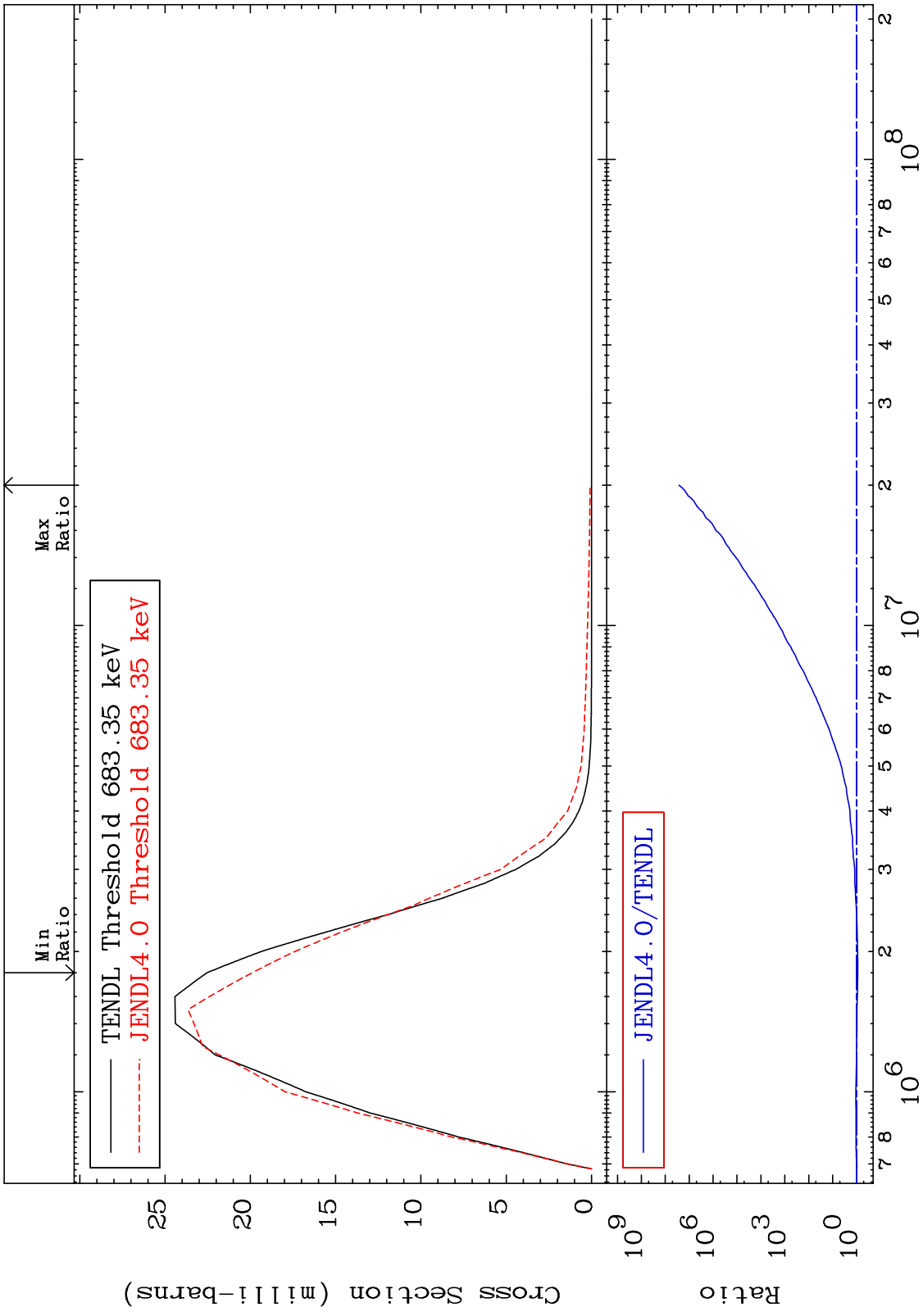
MAT 7240 MT= 64 (n,n') Level Cross Section 72-Hf-179
 -5.098 To 1640. %



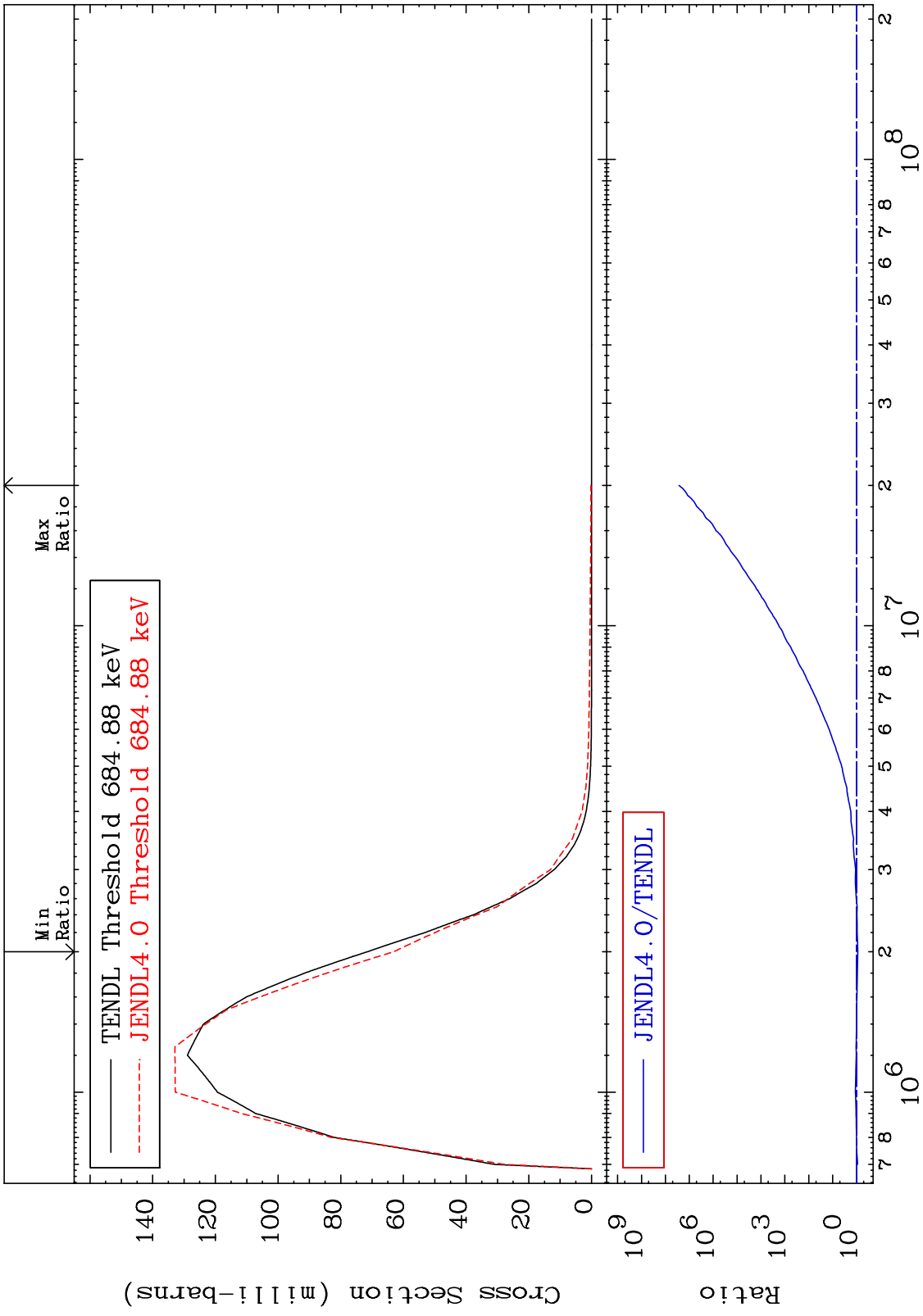
MAT 7240 MT= 65 (n,n') Level Cross Section -14.45 To 2602. % 72-Hf-179



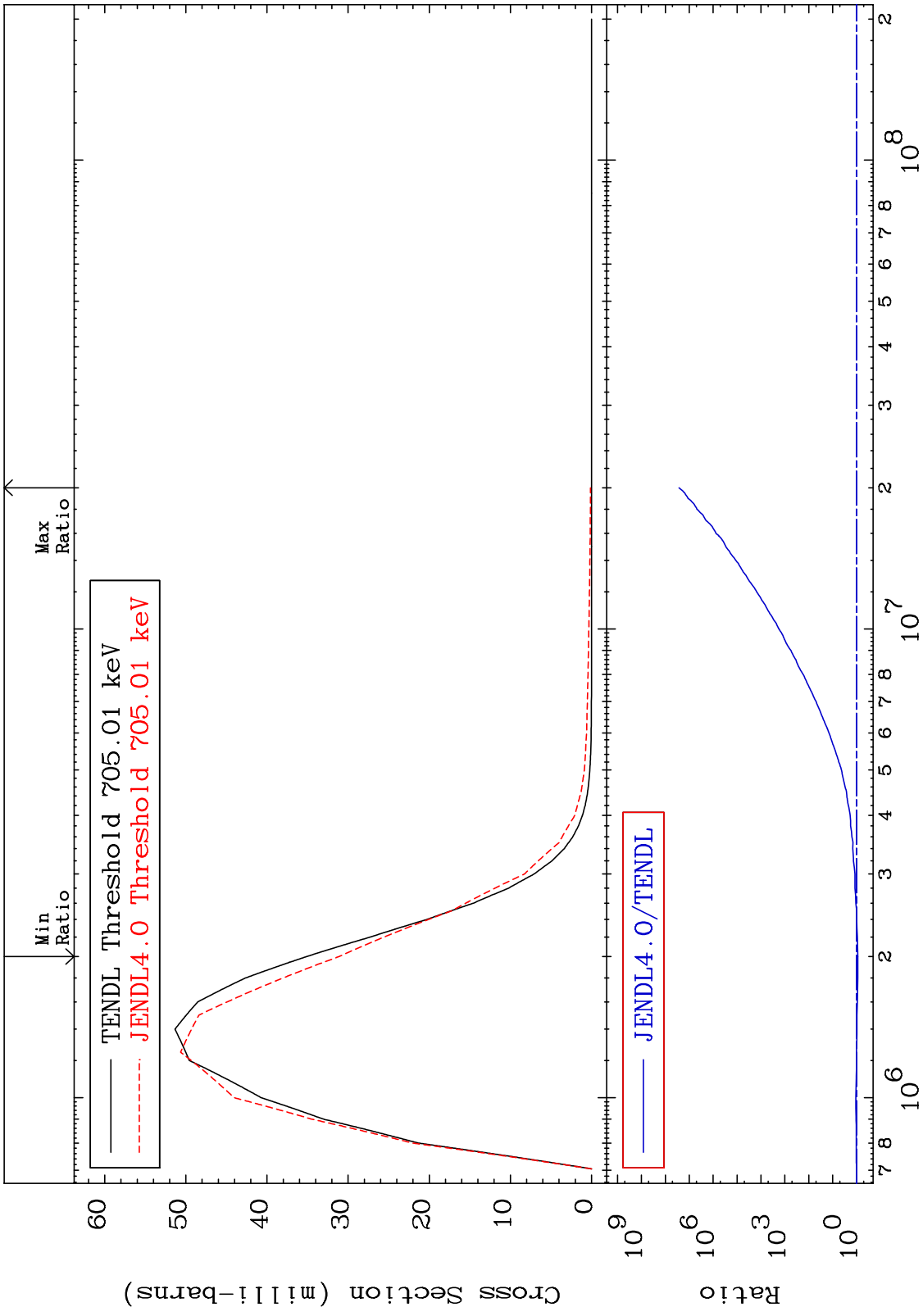
MAT 7240 MT= 66 (n,n') Level Cross Section -11.75 To 9999. % 72-Hf-179



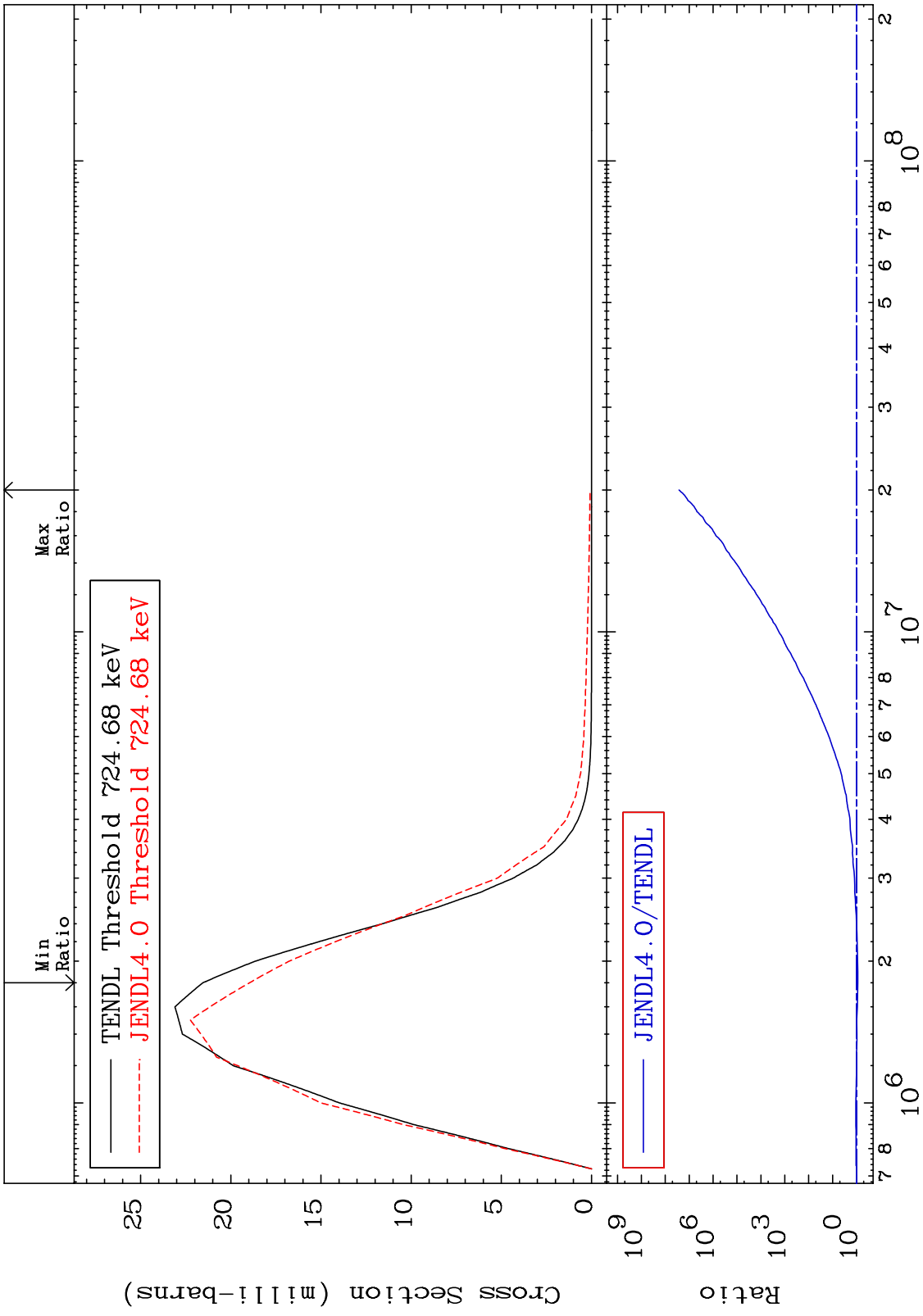
MAT 7240 MT= 67 (n,n') Level Cross Section 72-Hf-179
 -11.76 To 9999. %



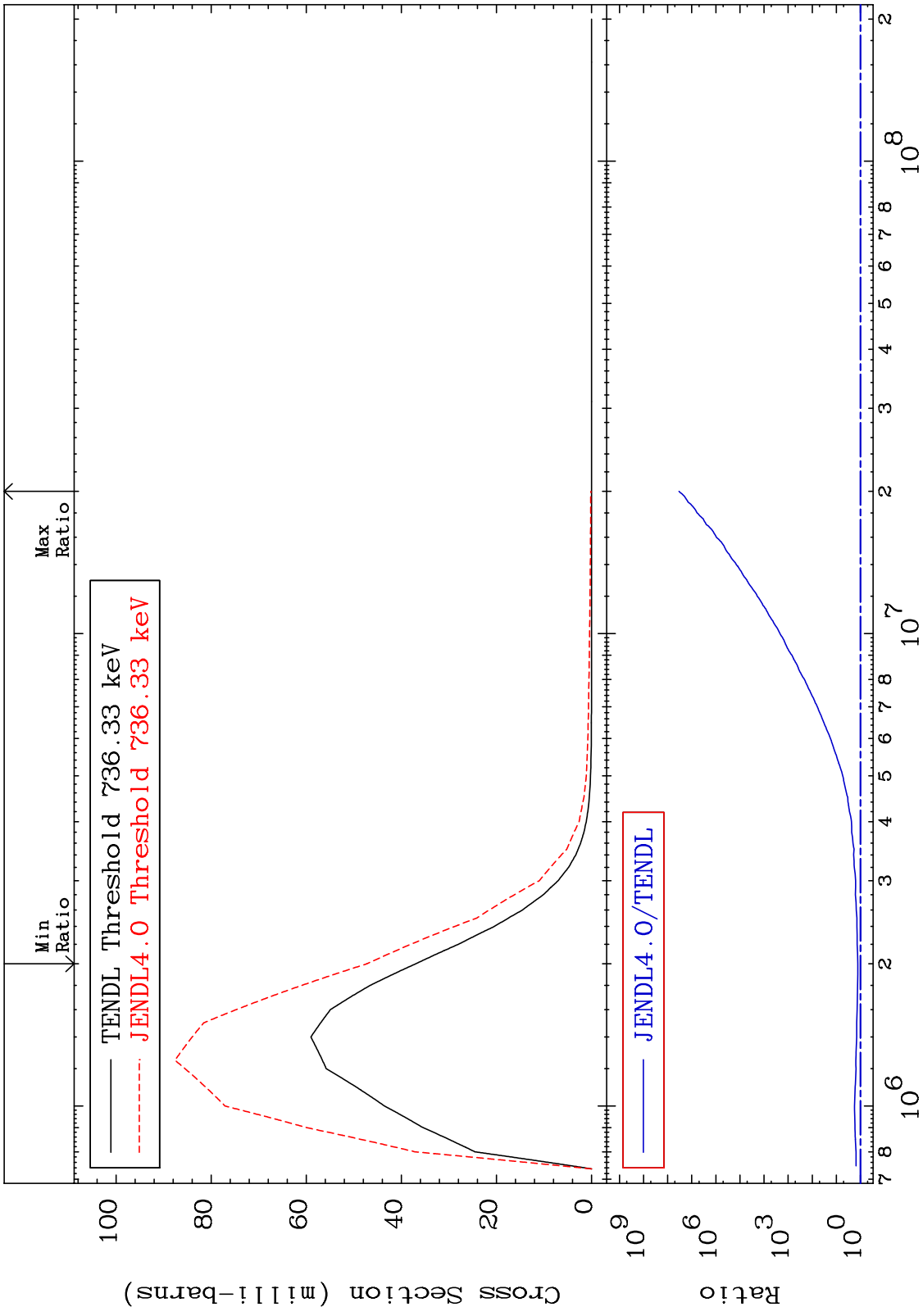
MAT 7240 MT= 68 (n,n') Level Cross Section 72-Hf-179
 -11.39 To 9999. %



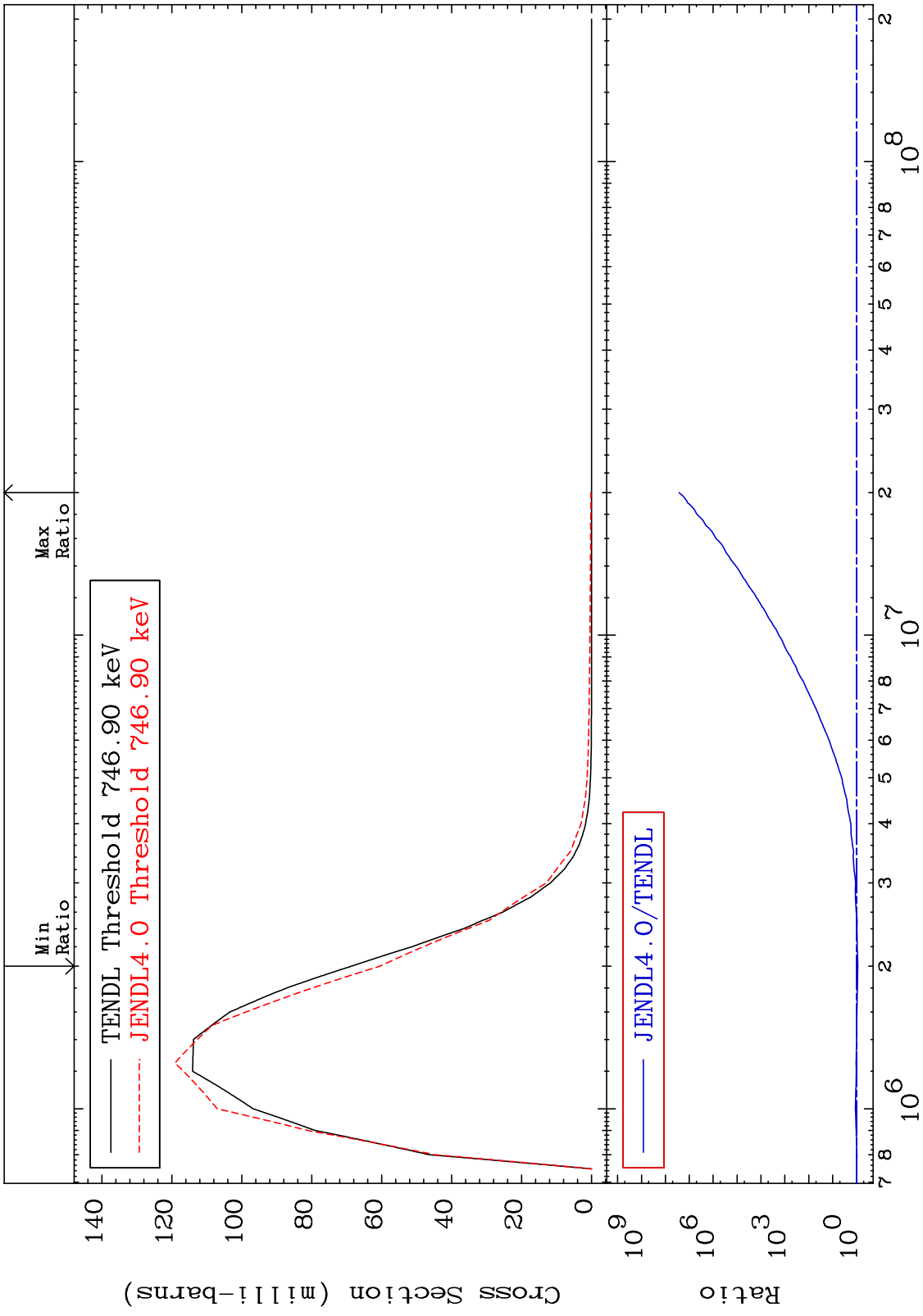
MAT 7240 MT= 69 (n,n') Level Cross Section 72-Hf-179
 -12.05 To 9999. %



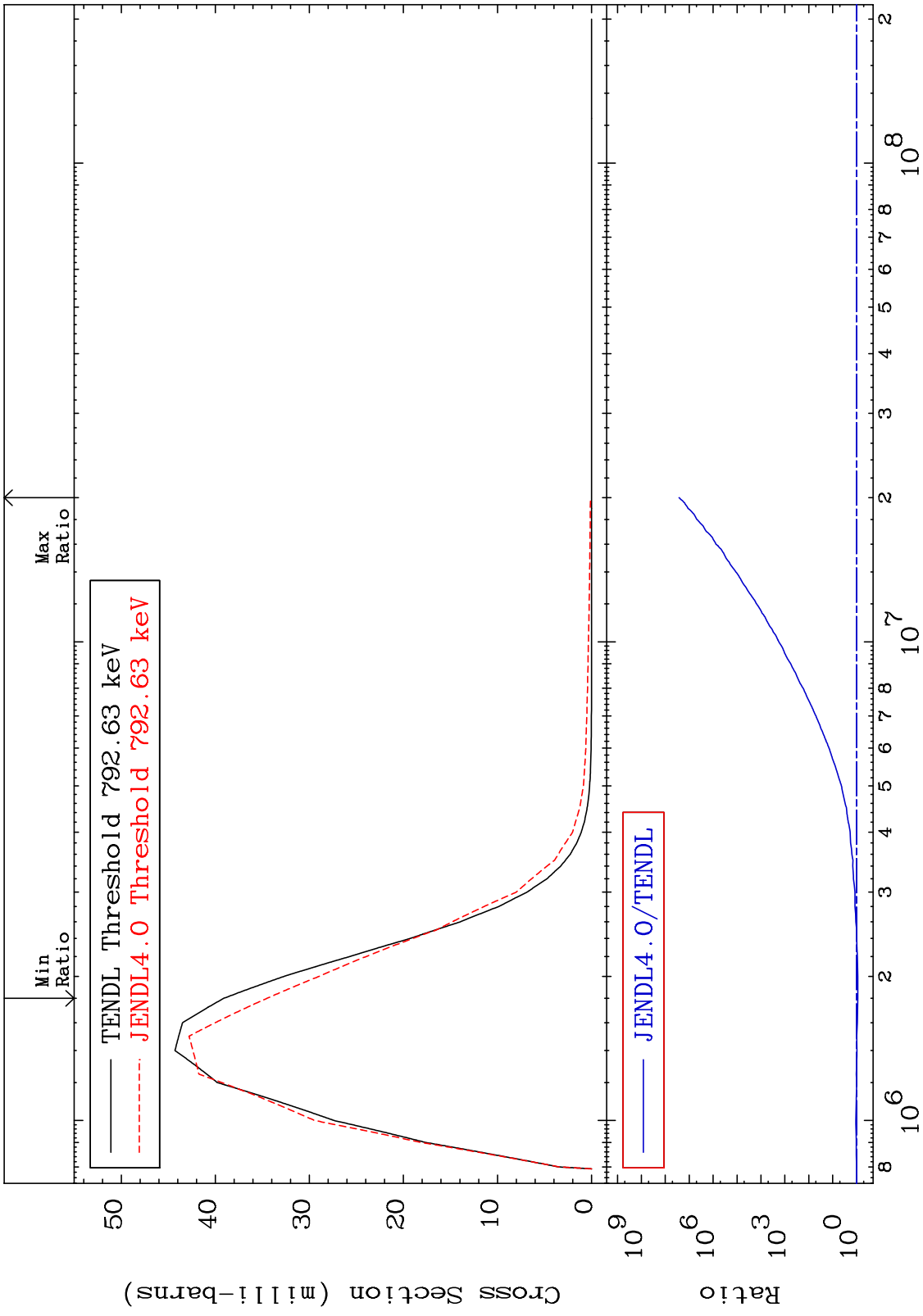
MAT 7240 MT= 70 (n,n') Level Cross Section 72-Hf-179 27.77 To 9999. %



MAT 7240 MT= 71 (n,n') Level Cross Section 72-Hf-179
 -11.84 To 9999. %

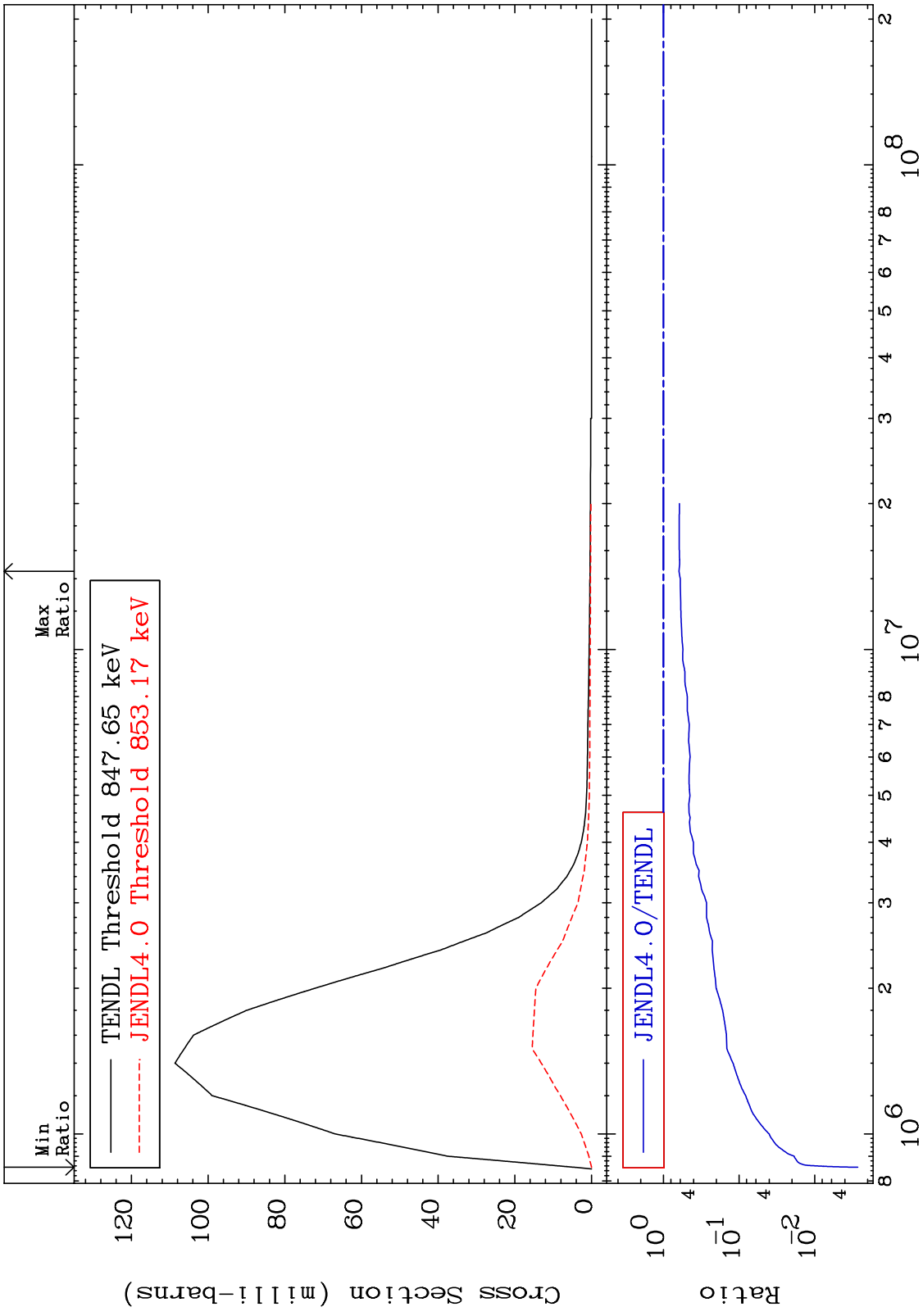


MAT 7240 MT= 72 (n,n') Level Cross Section 72-Hf-179
 -11.75 To 9999. %

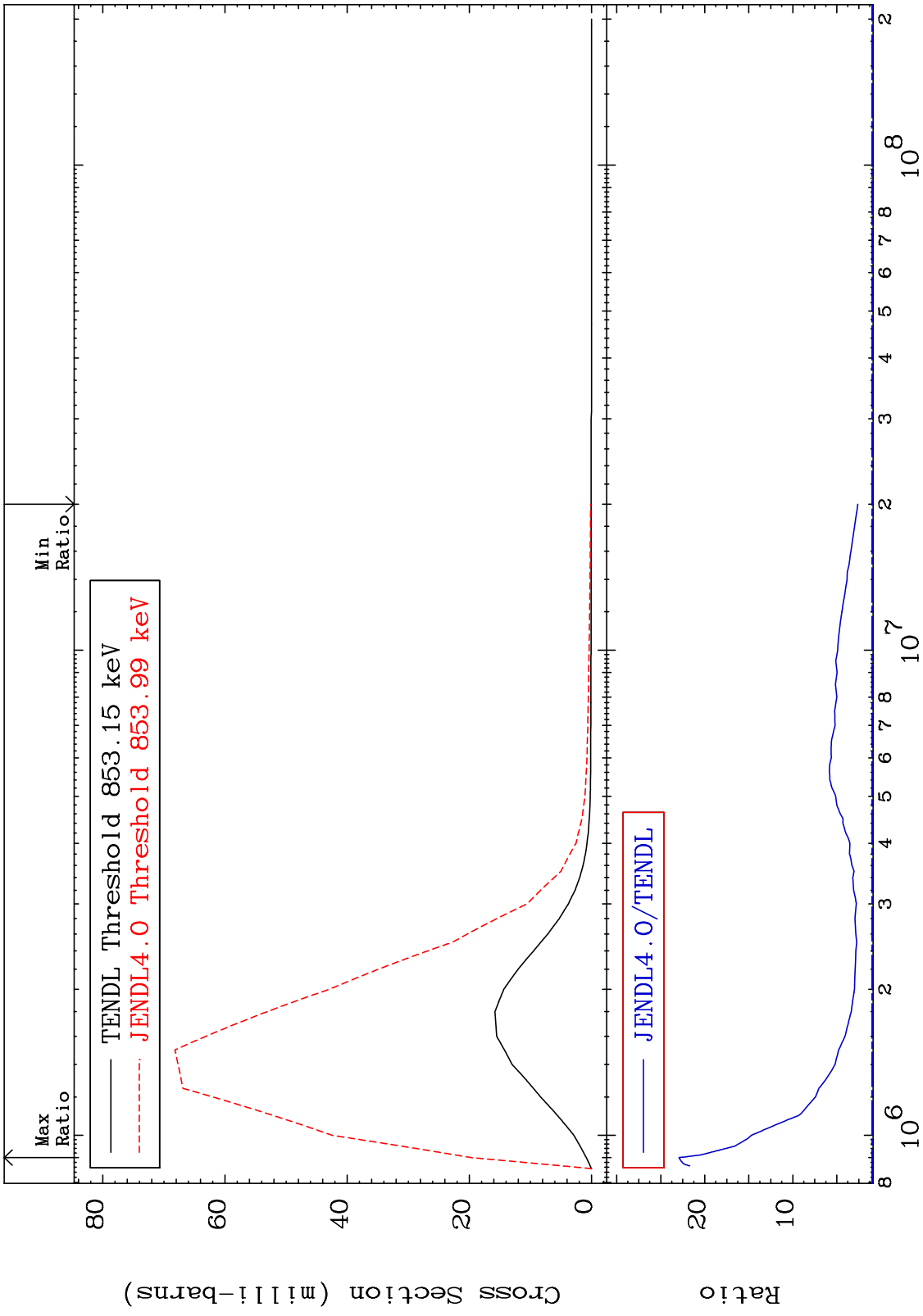


30 Incident Energy (eV) 72-Hf-179

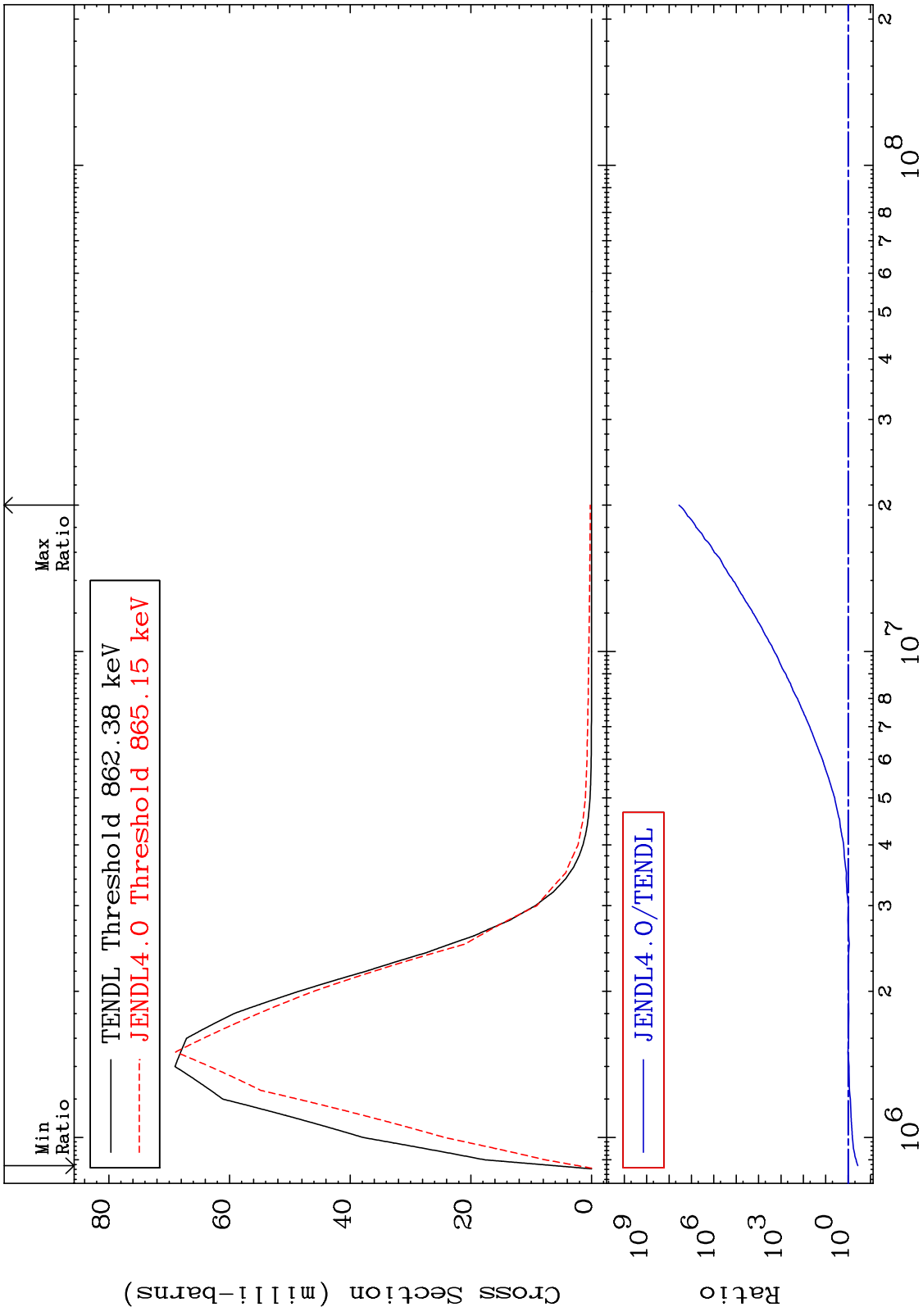
MAT 7240 MT= 73 (n,n') Level Cross Section 72-Hf-179 -99.73 To -37.61%



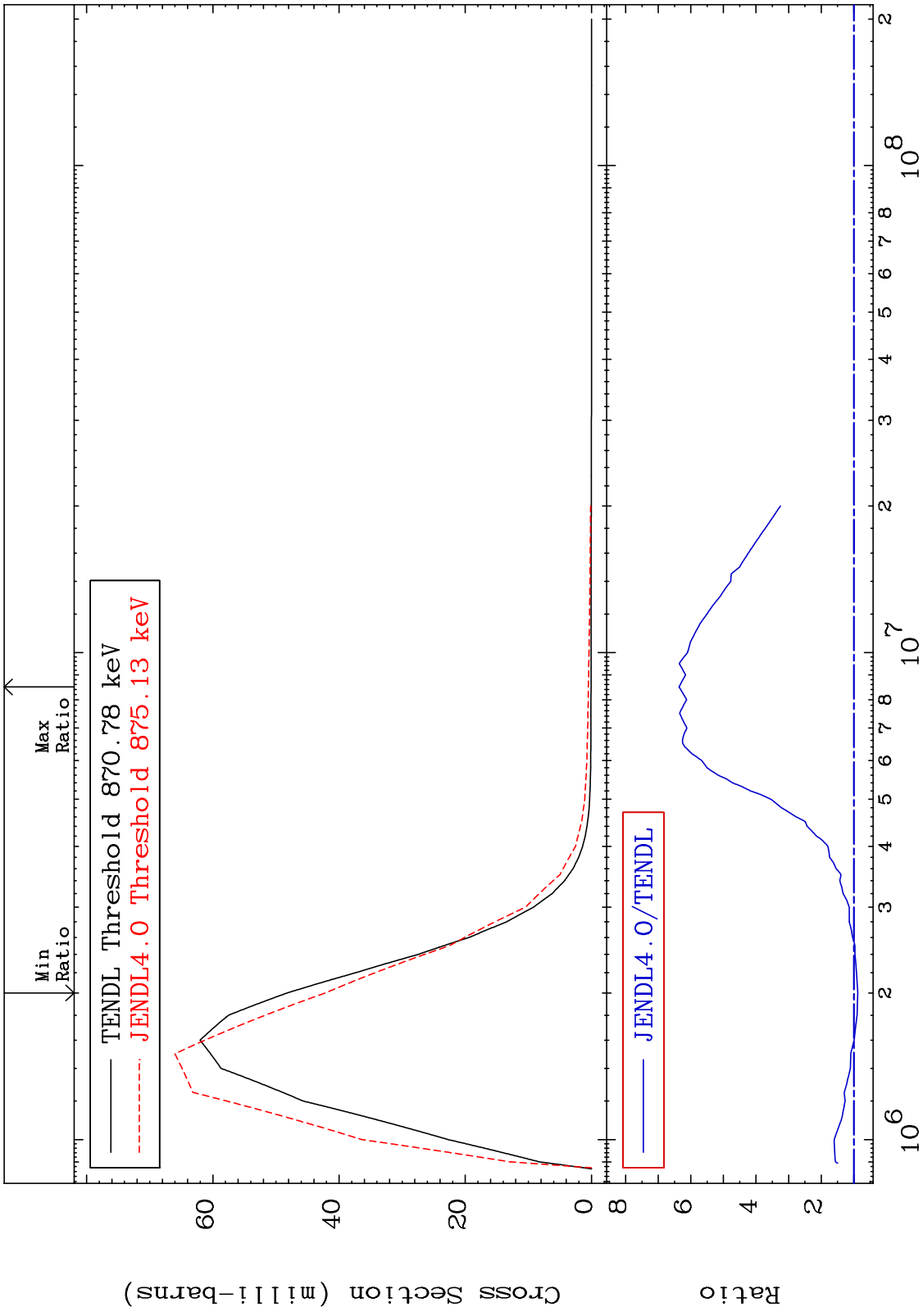
MAT 7240 MT= 74 (n,n') Level Cross Section 72-Hf-179 160.6 To 2192. %



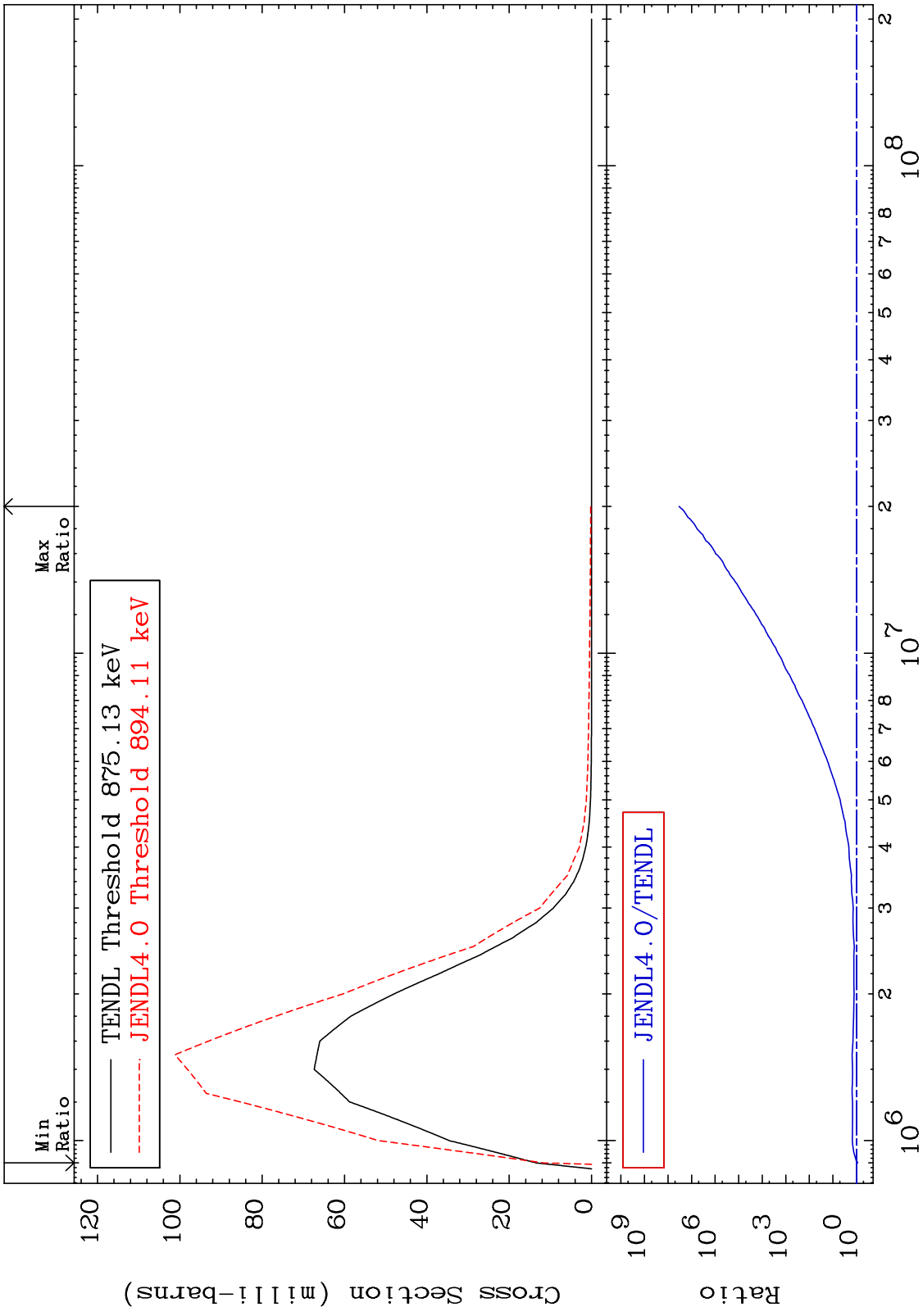
MAT 7240 MT= 75 (n,n') Level Cross Section 72-Hf-179
 -63.25 To 9999. %



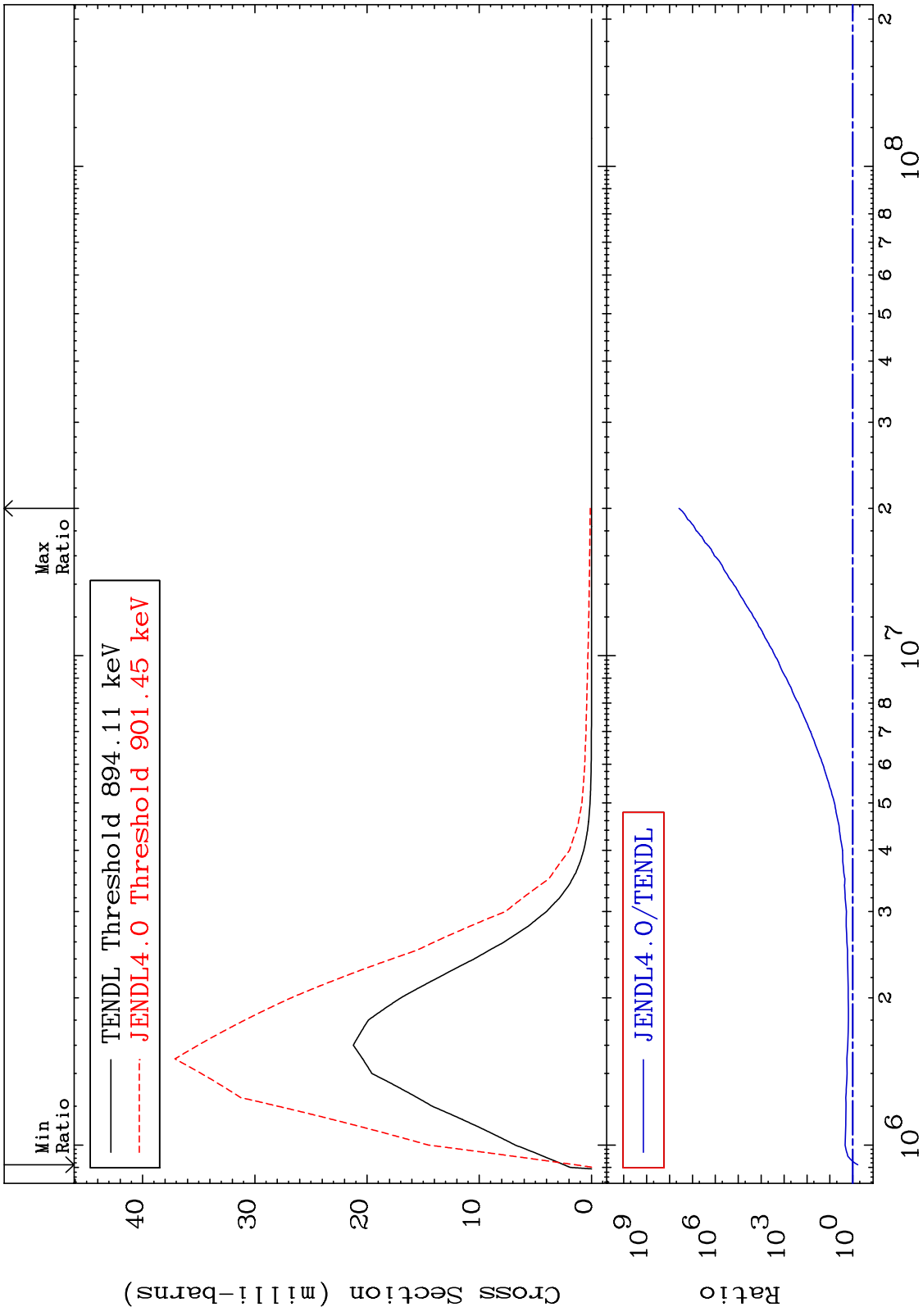
MAT 7240 MT= 76 (n,n') Level Cross Section 72-Hf-179 -12.52 To 536.3 %



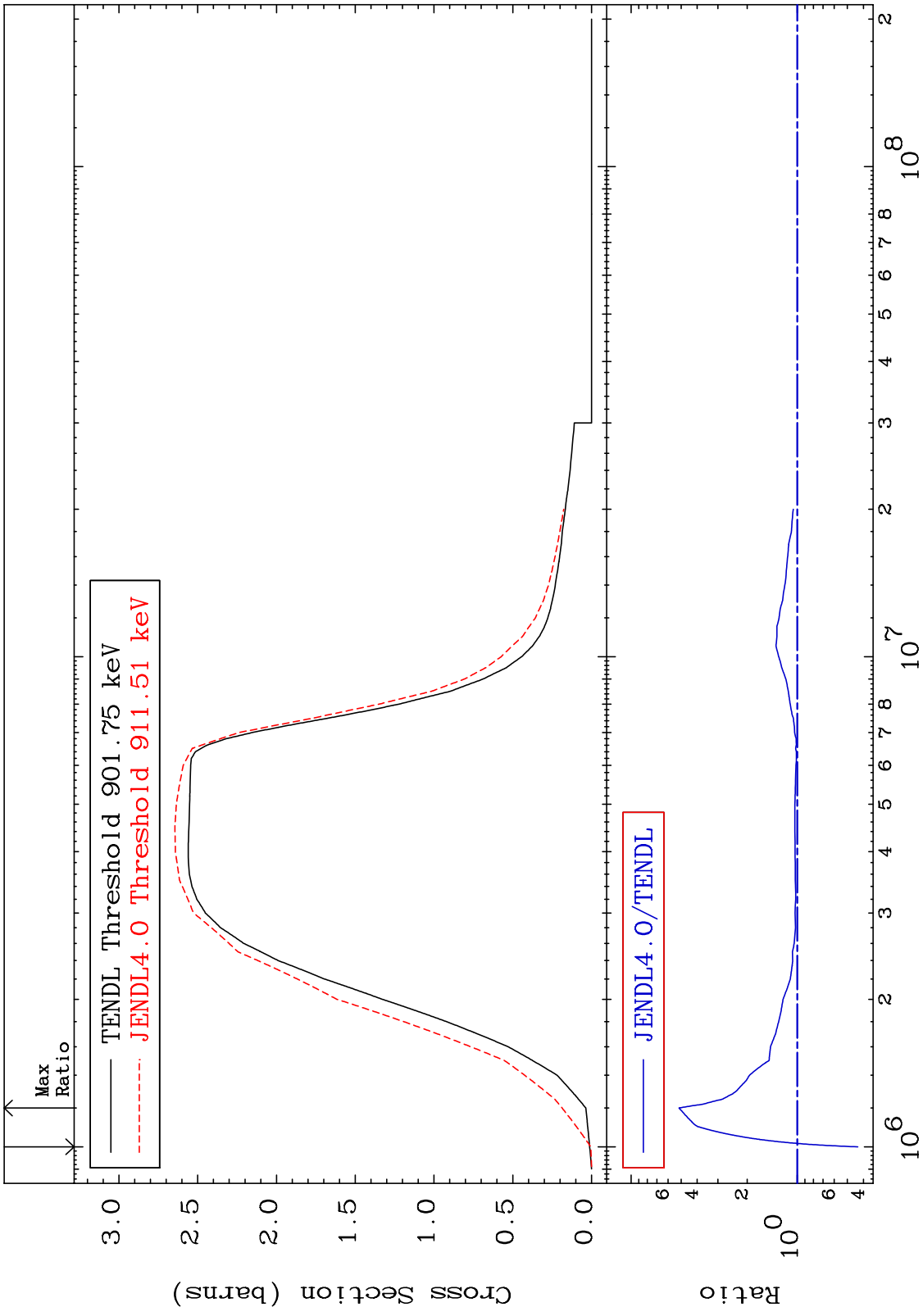
MAT 7240 MT= 77 (n,n') Level Cross Section 72-Hf-179
 -12.92 To 9999. %



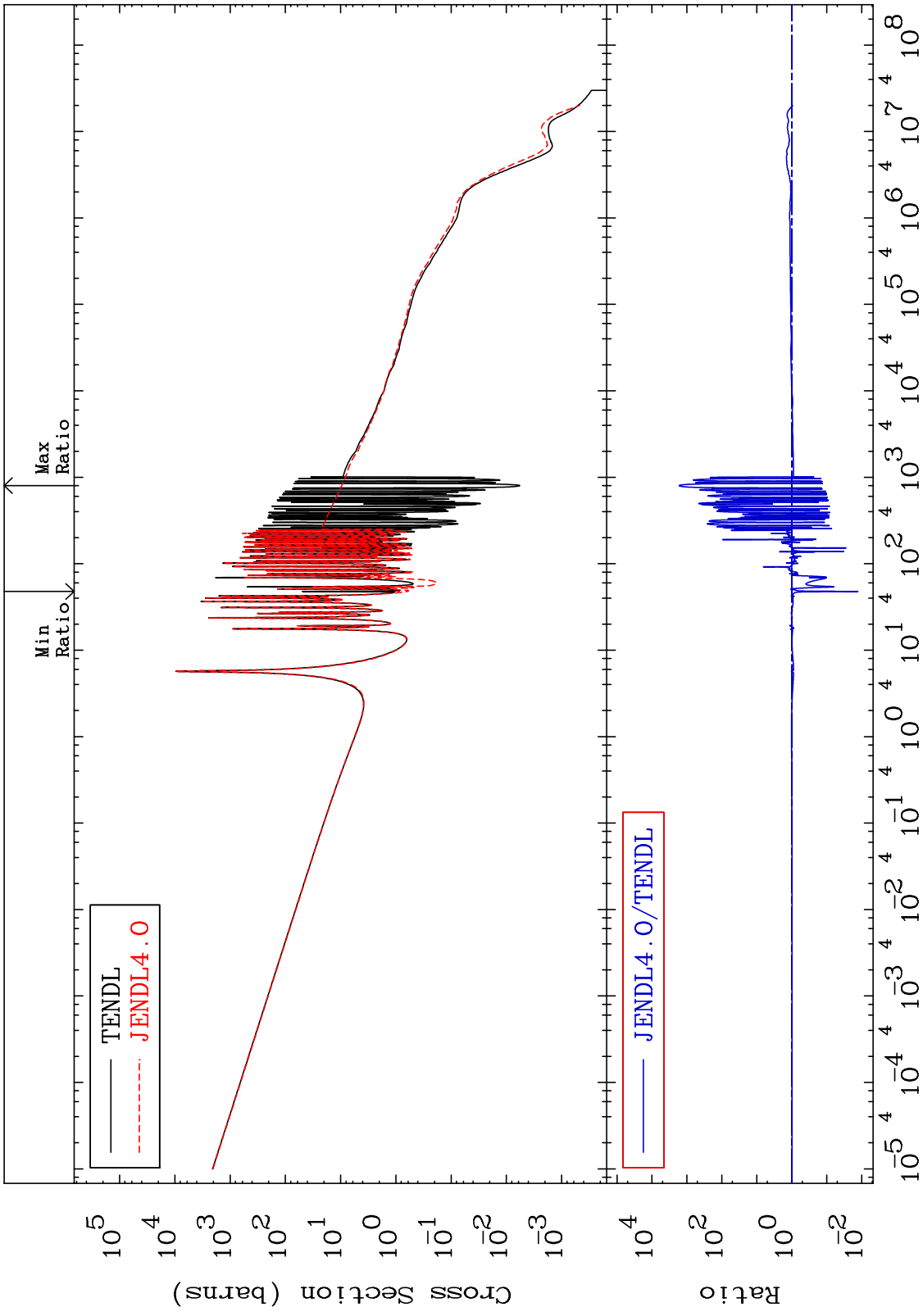
MAT 7240 MT= 78 (n,n') Level Cross Section 72-Hf-179 -39.84 To 9999. %



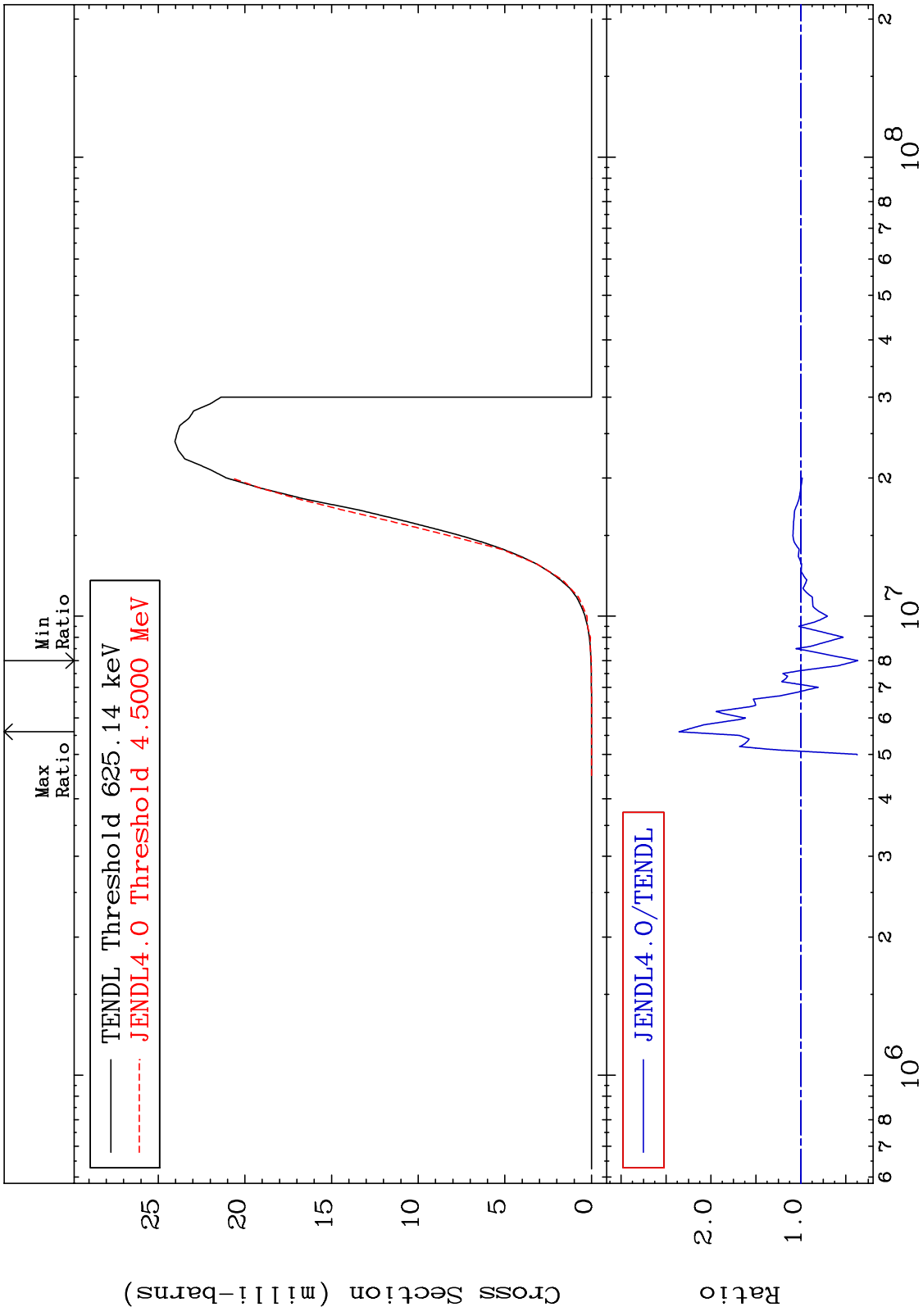
36 72-Hf-179



MAT 7240 72-Hf-179
-98.71 To 9999. %
 (n, γ)
 Cross Section

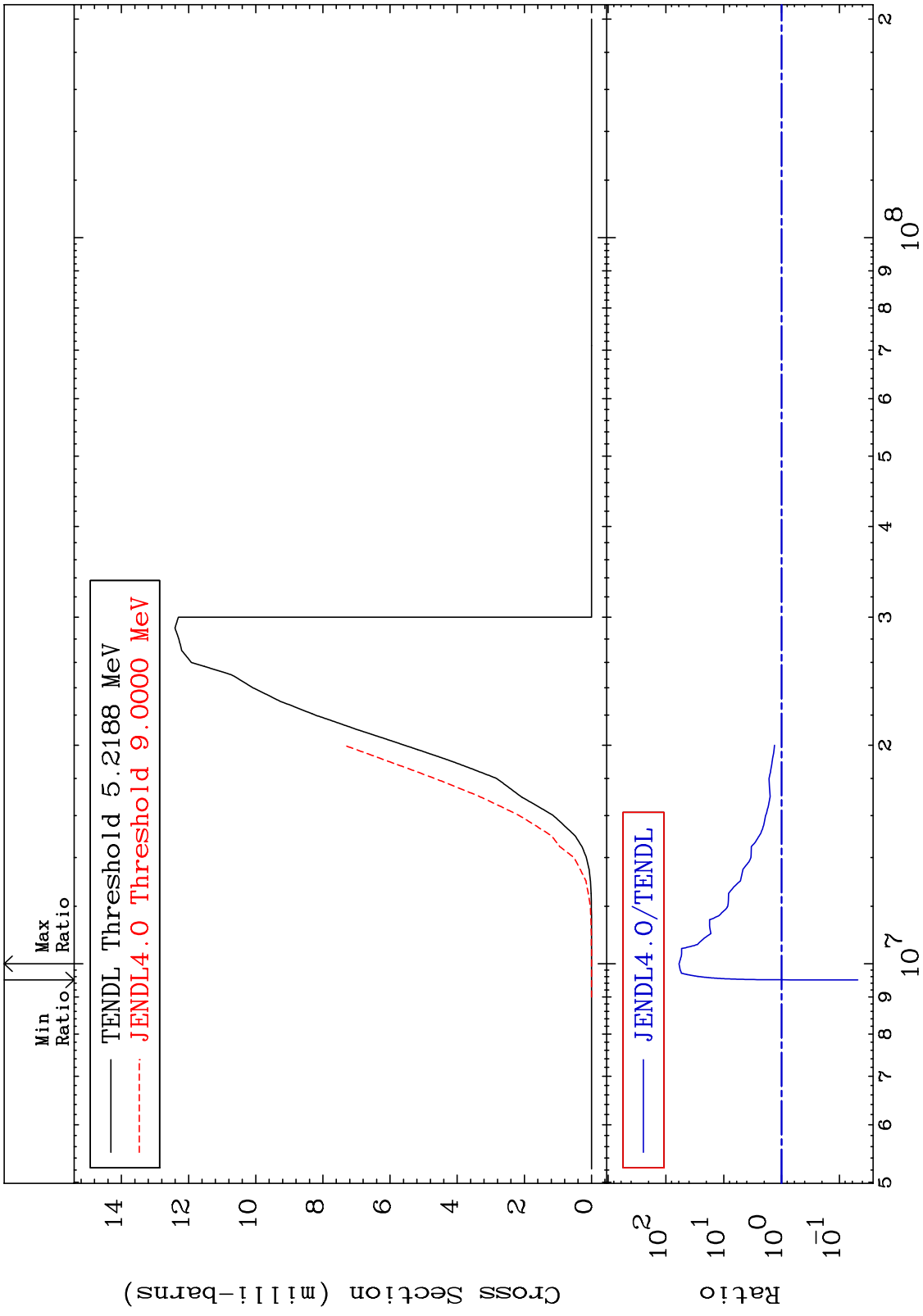


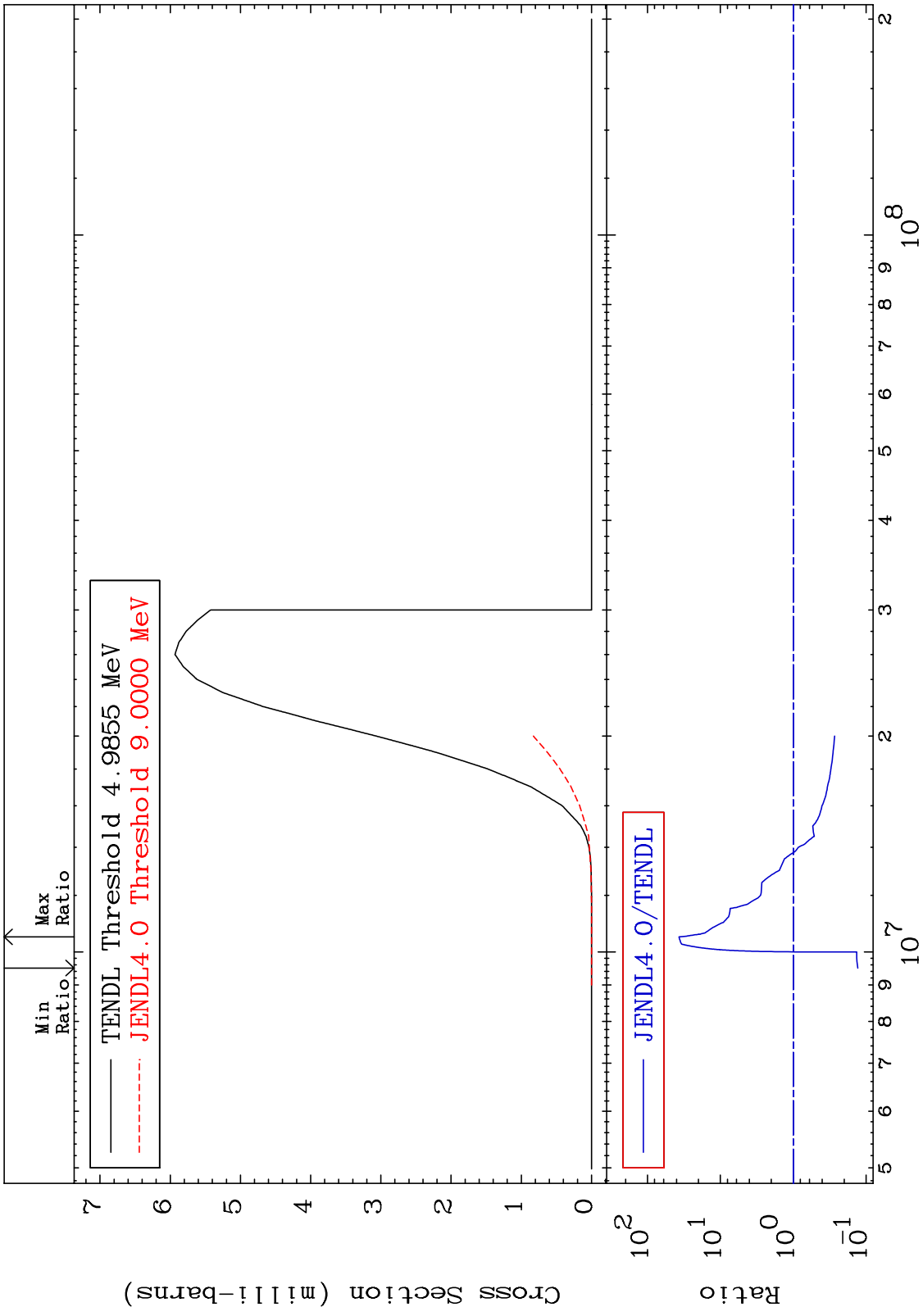
MAT 7240 (n,p) Cross Section 72-Hf-179 -63.37 To 135.5 %



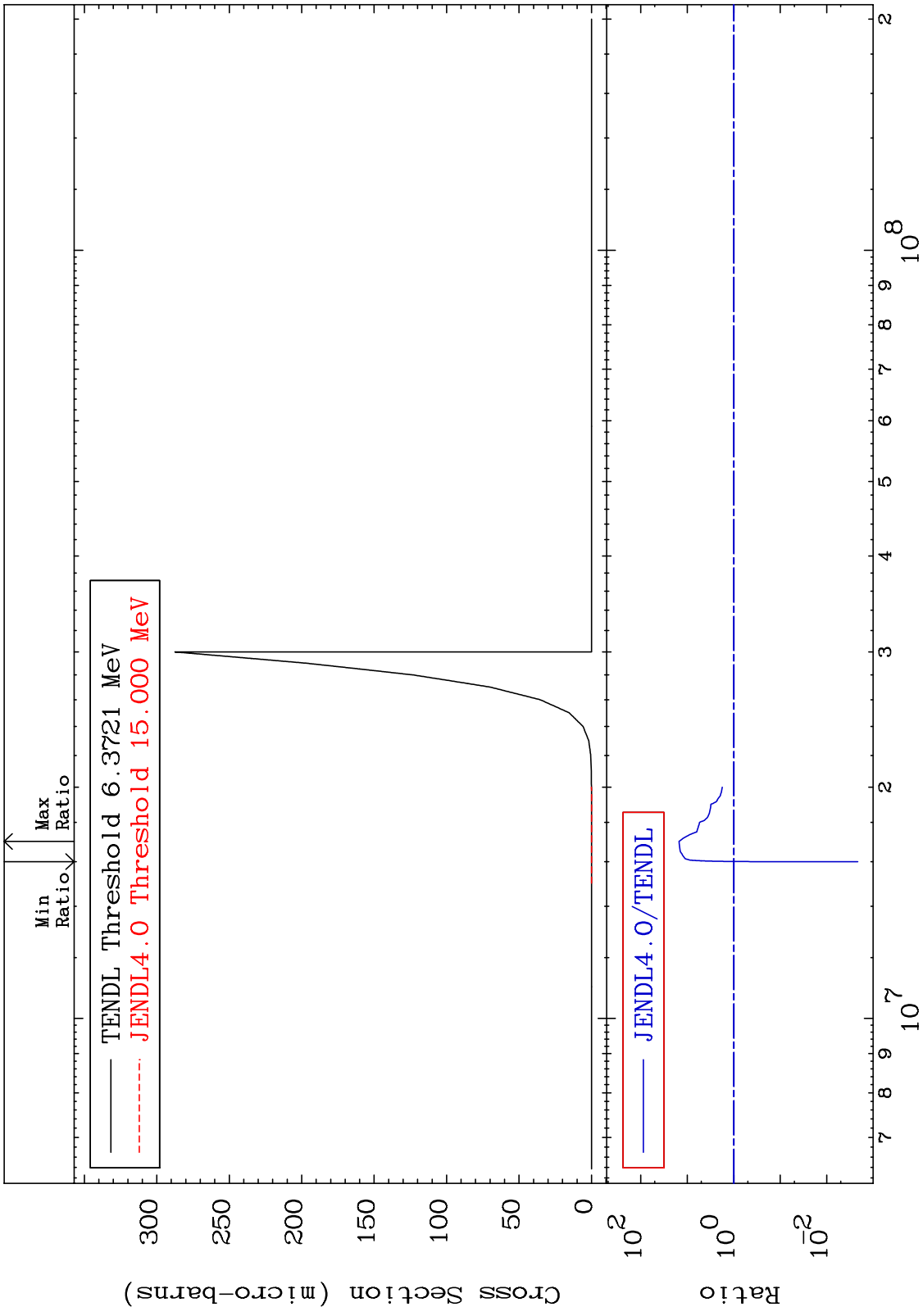
39 72-Hf-179

MAT 7240 (n,d) Cross Section 72-Hf-179
 -95.19 To 5837. %

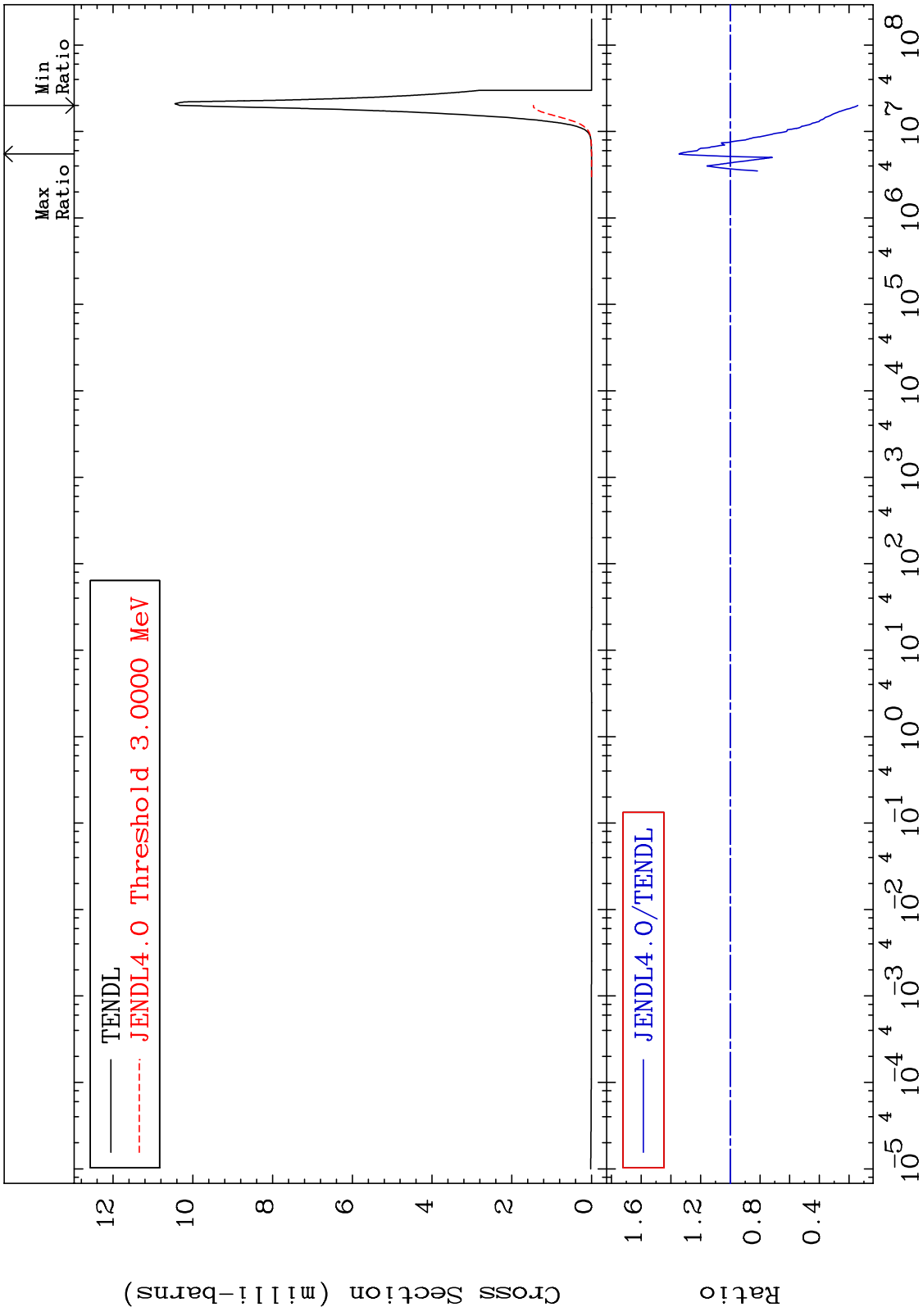




MAT 7240 (n, He-3) 72-Hf-179
 Cross Section -99.78 To 1402. %



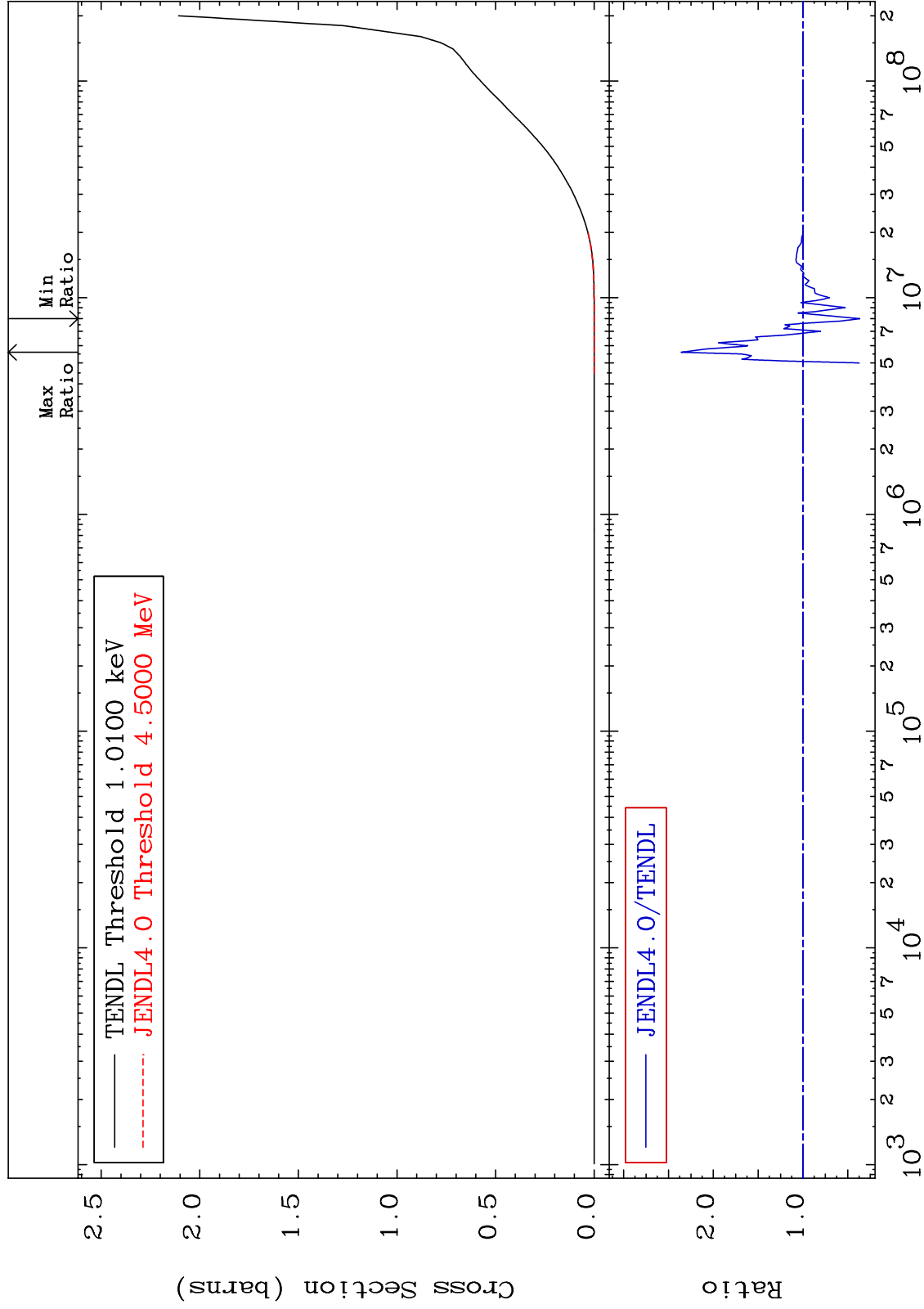
MAT 7240 (n,α) Cross Section 72-Hf-179
-85.88 To 34.49 %



MAT 7240

Hydrogen Production
Cross Section

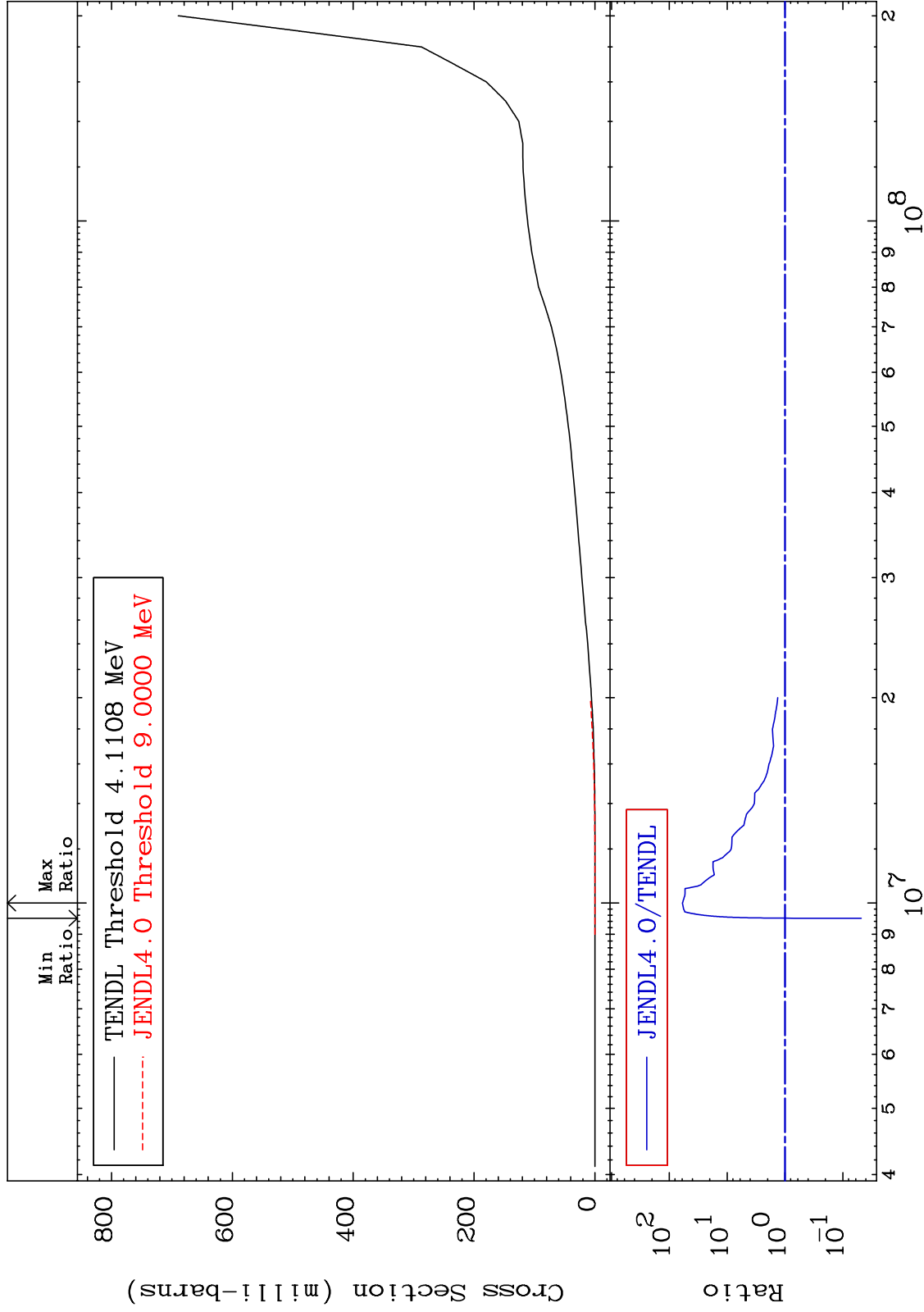
72-Hf-179
-63.37 To 135.5 %



MAT 7240

Deuterium Production
Cross Section

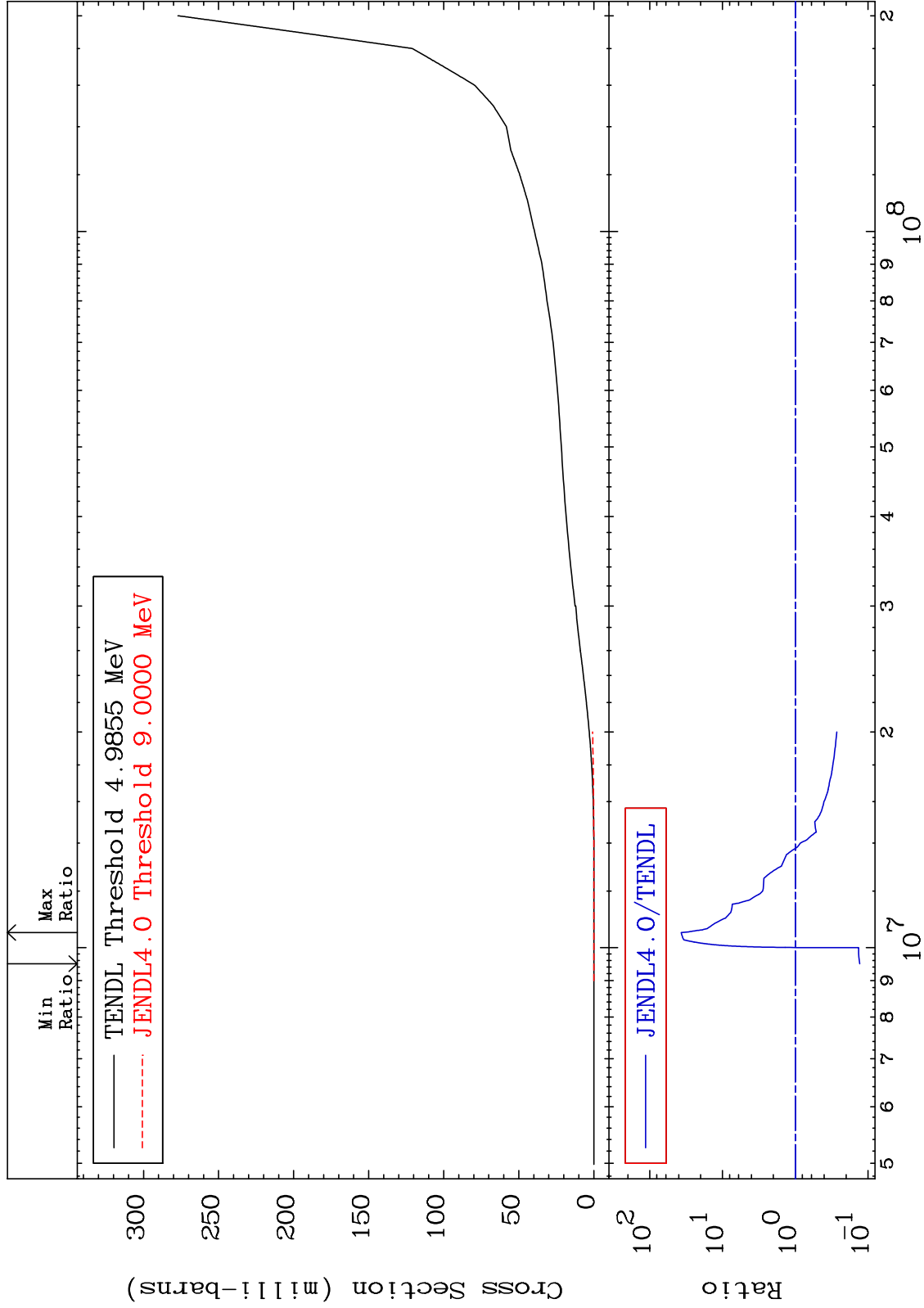
72-Hf-179
-95.19 To 5837. %



MAT 7240

Tritium Production
Cross Section

72-Hf-179
-87.02 To 3590. %



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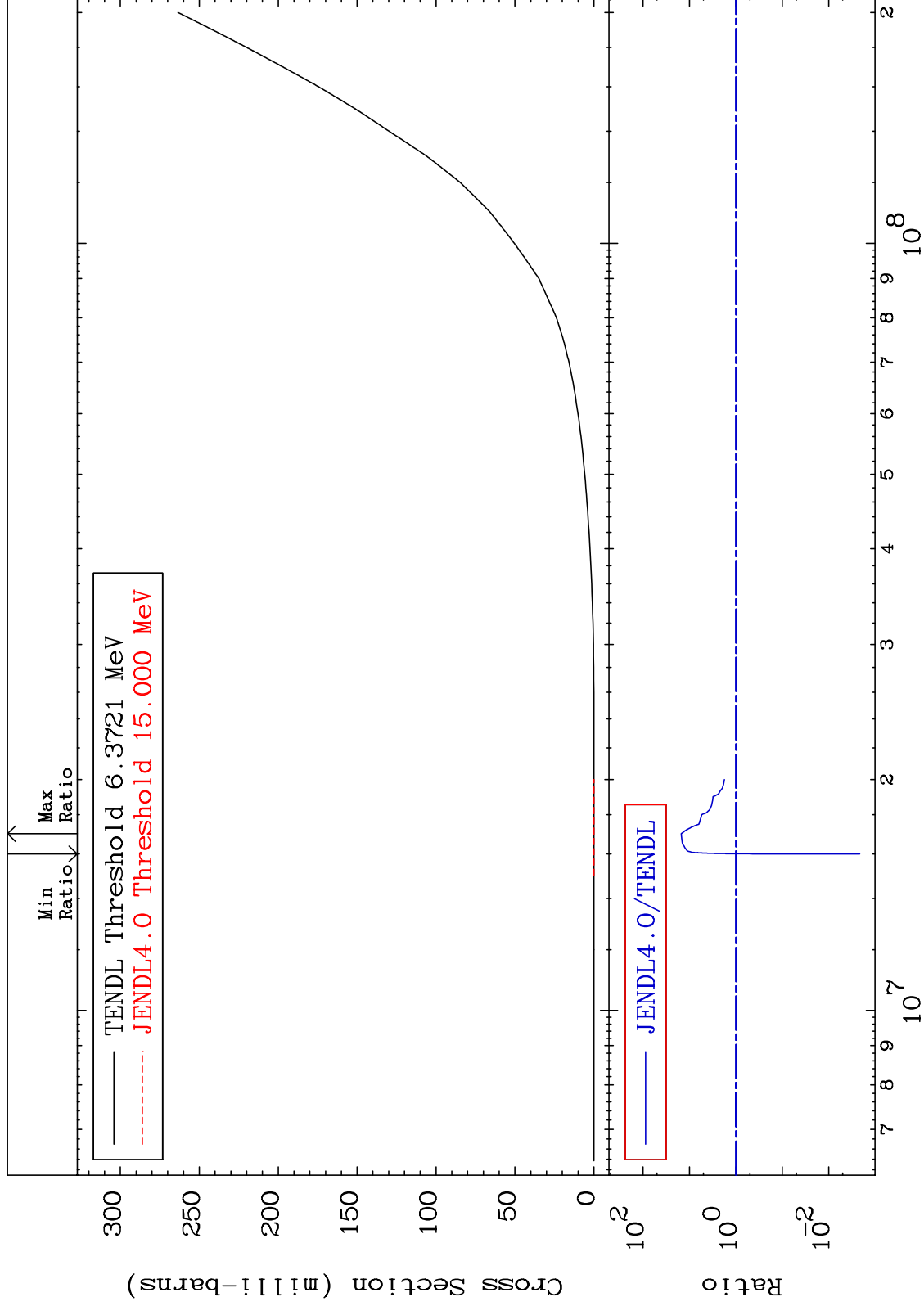
Incident Energy (eV)

72-Hf-179

MAT 7240

He-3 Production
Cross Section

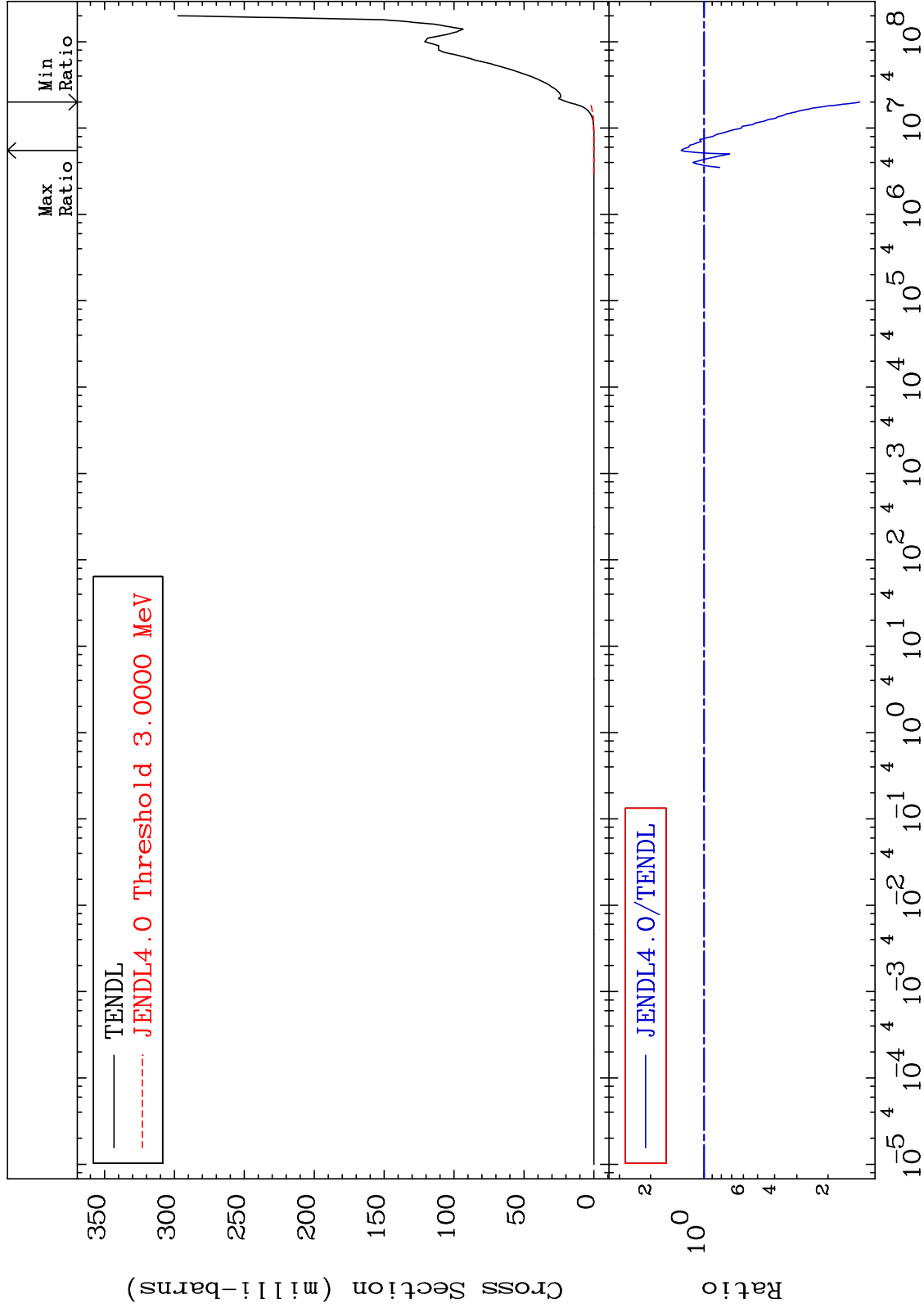
72-Hf-179
-99.78 To 1402. %



MAT 7240

He-4 Production
Cross Section

72-Hf-179
-86.74 To 34.47 %

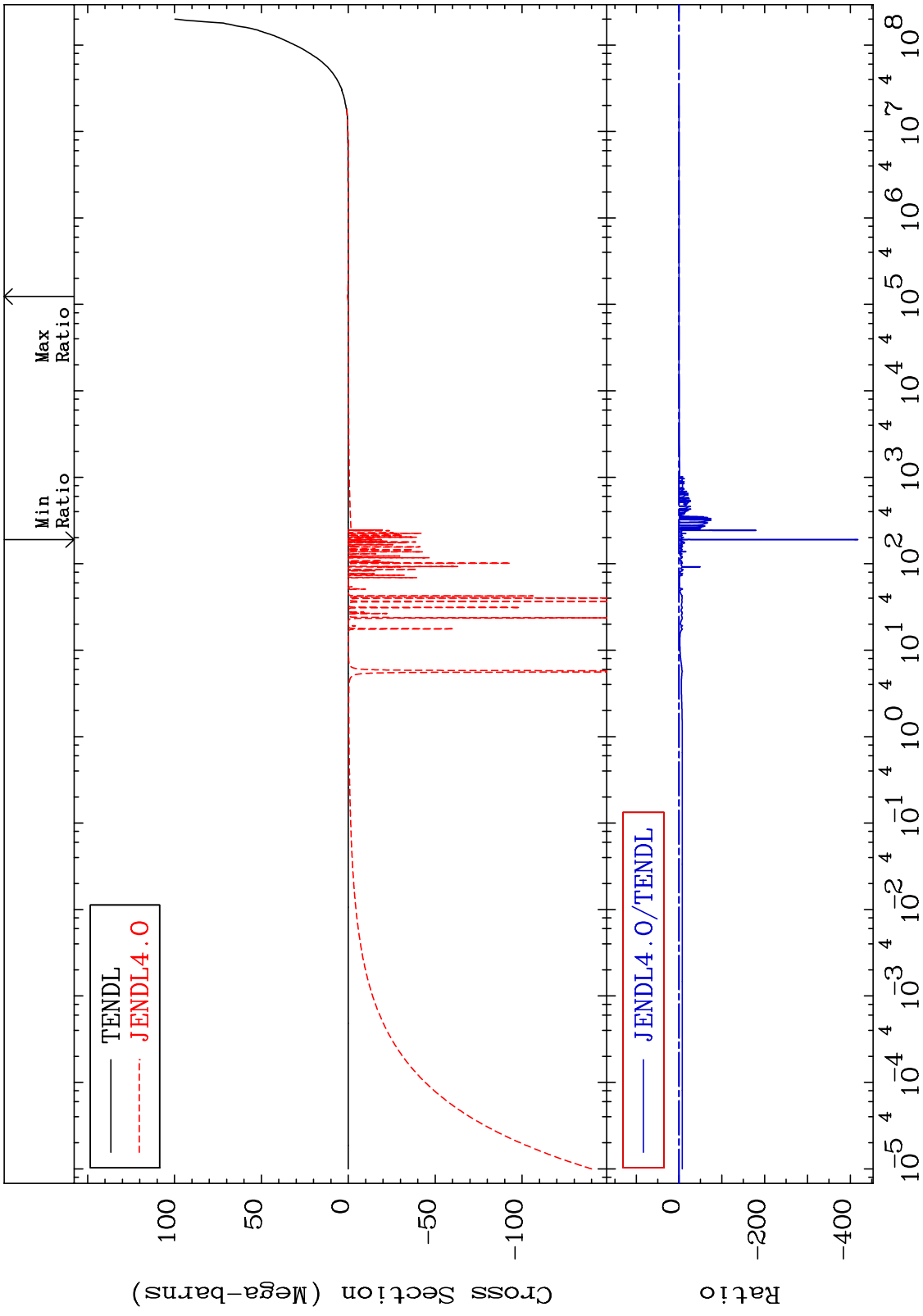


48

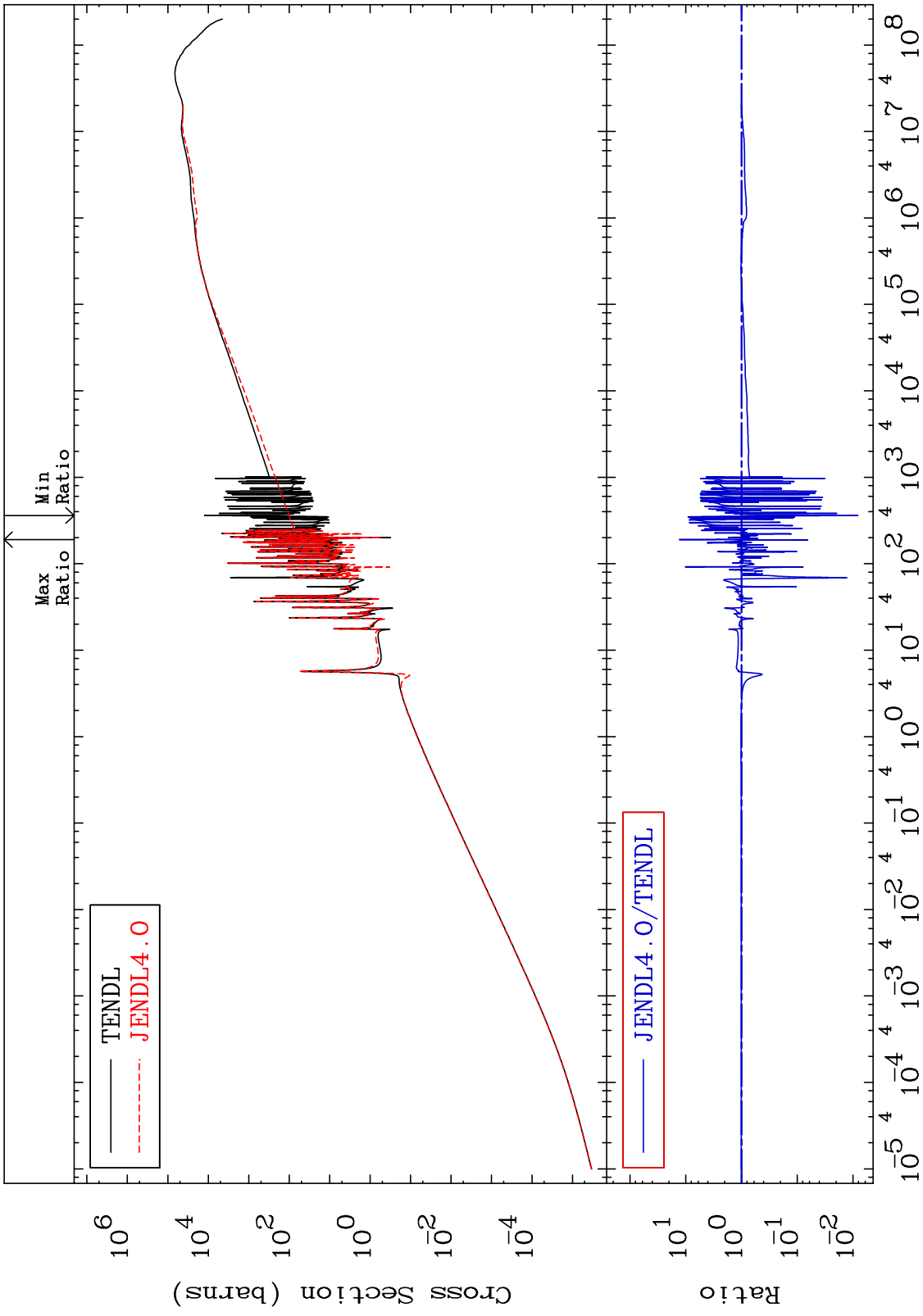
Incident Energy (eV)

72-Hf-179

MAT 7240 Kerma total (eV-barns) 72-Hf-179
 Cross Section -9999. To 4955. %

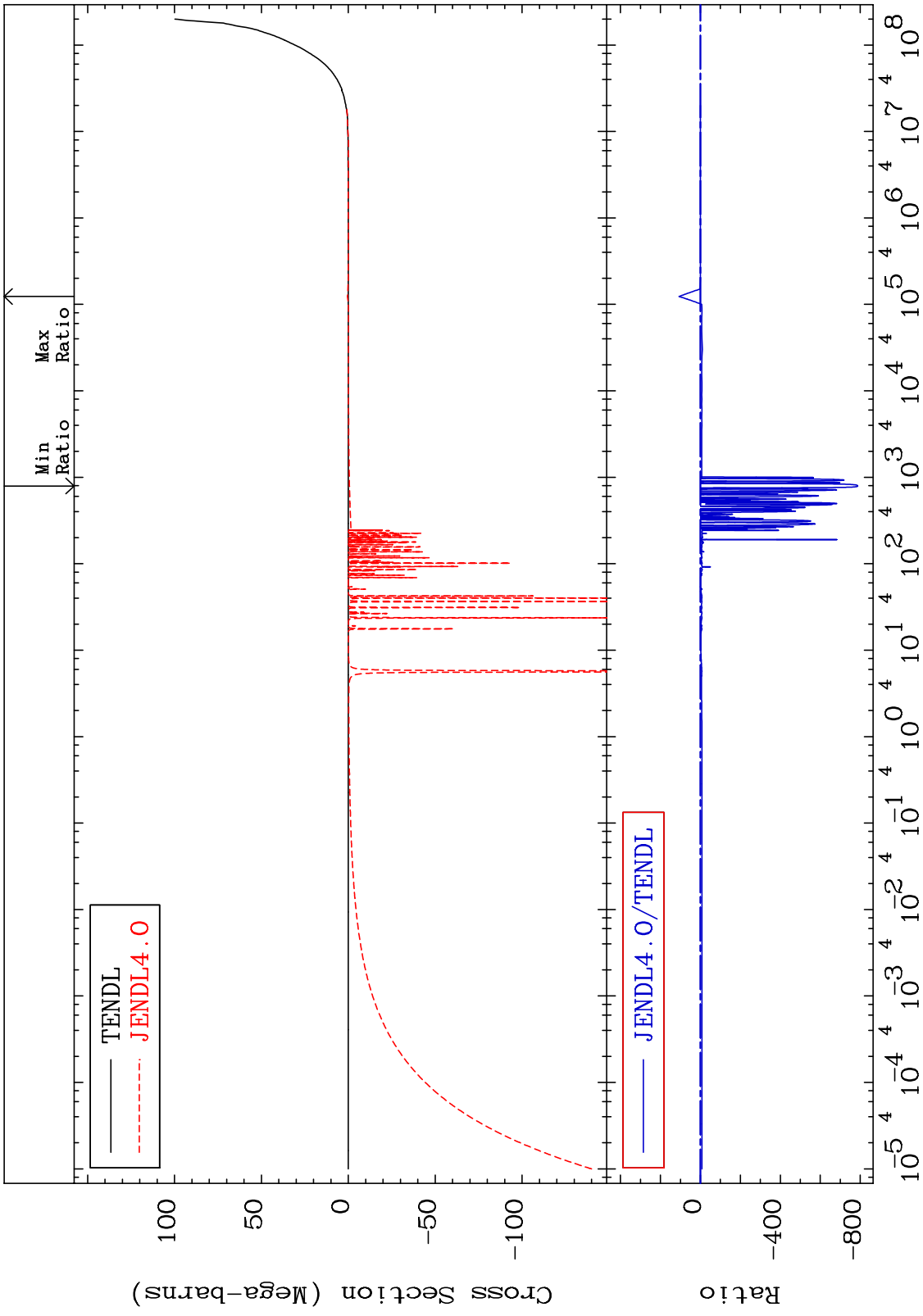


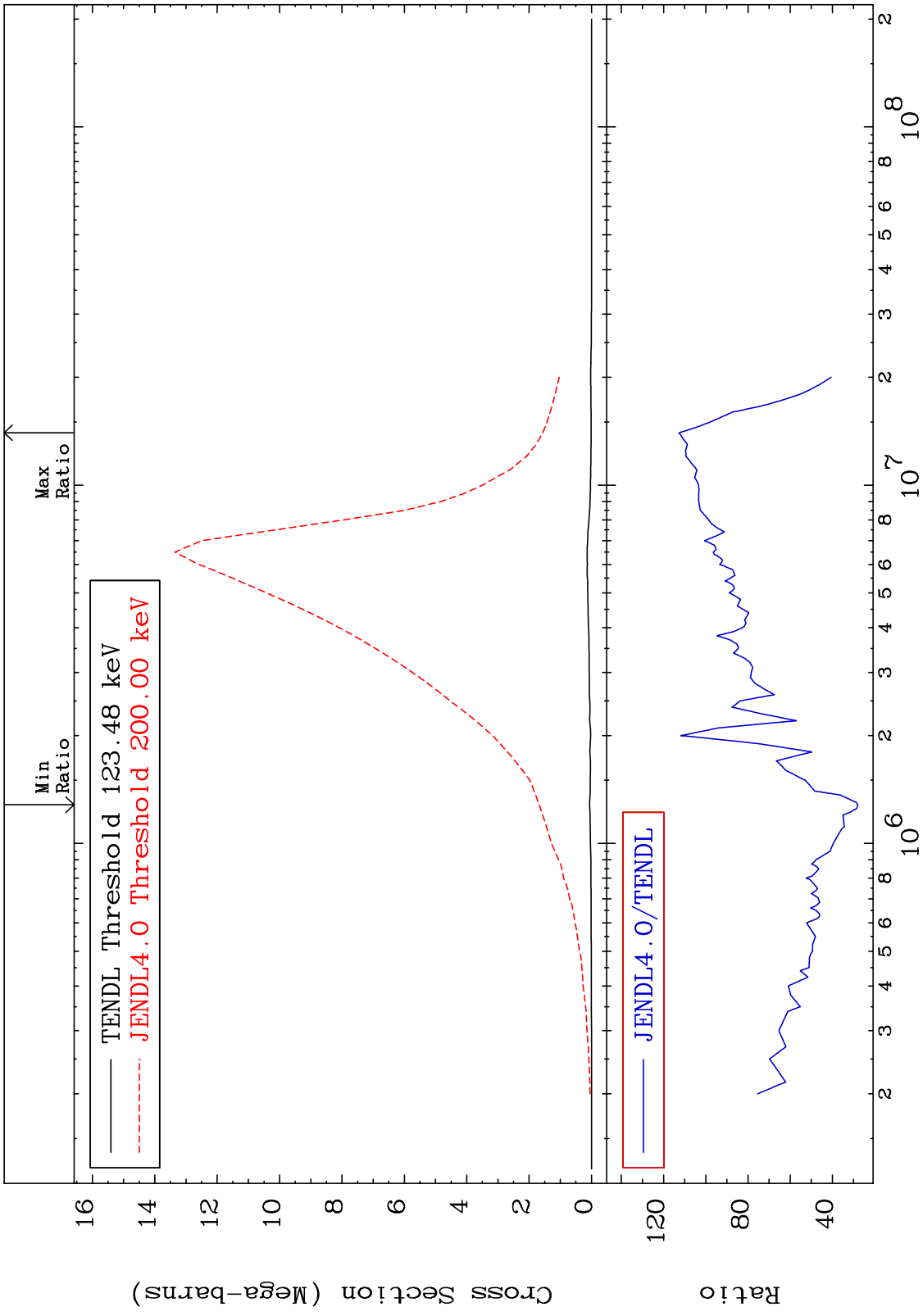
MAT 7240 72-Hf-179
-99.18 To 1220. %
 Kerma elastic Cross Section



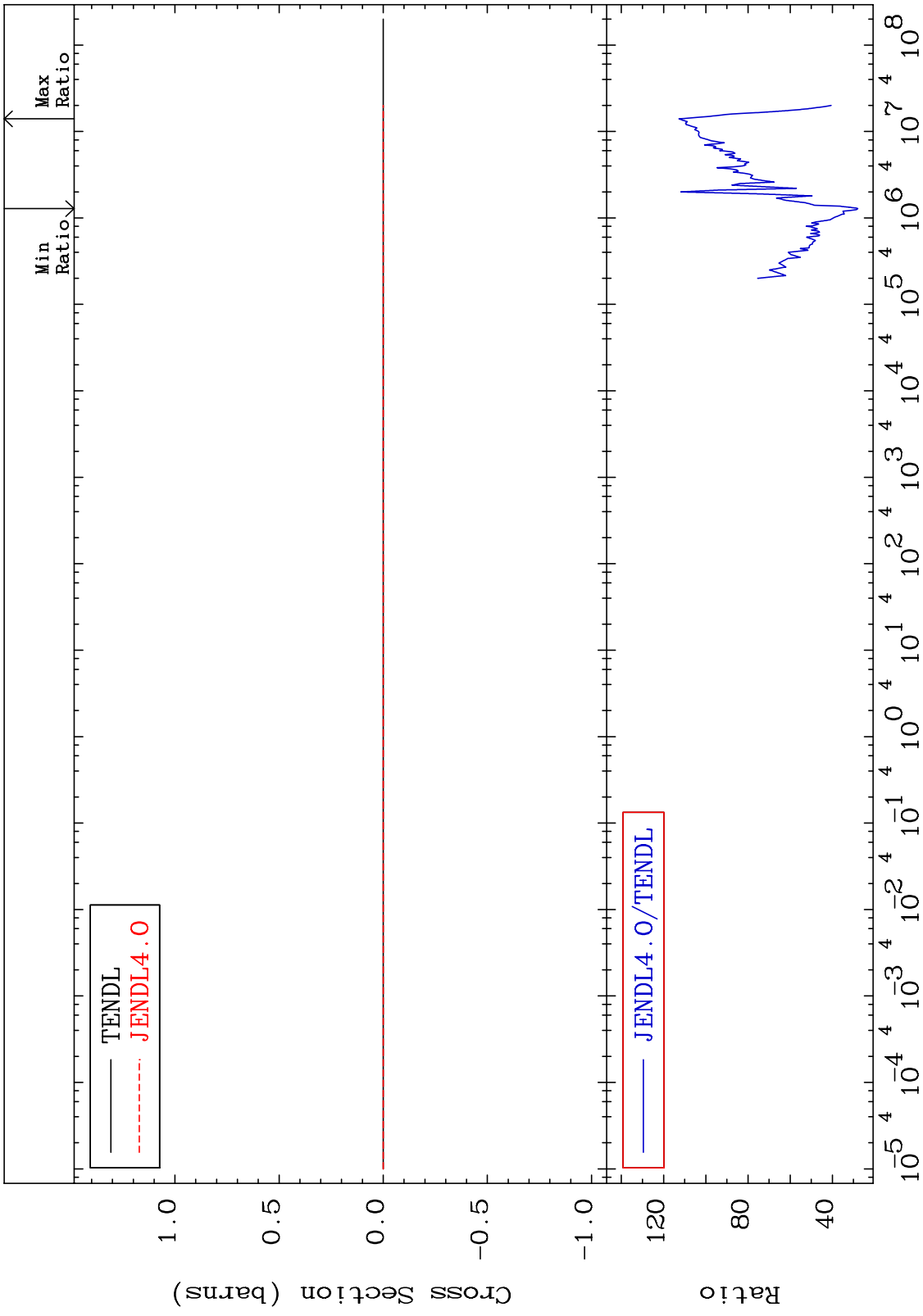
50 72-Hf-179

MAT 7240 Kerma non-elastic (all but mt2) 72-Hf-179
 Cross Section -9999. To 9999. %

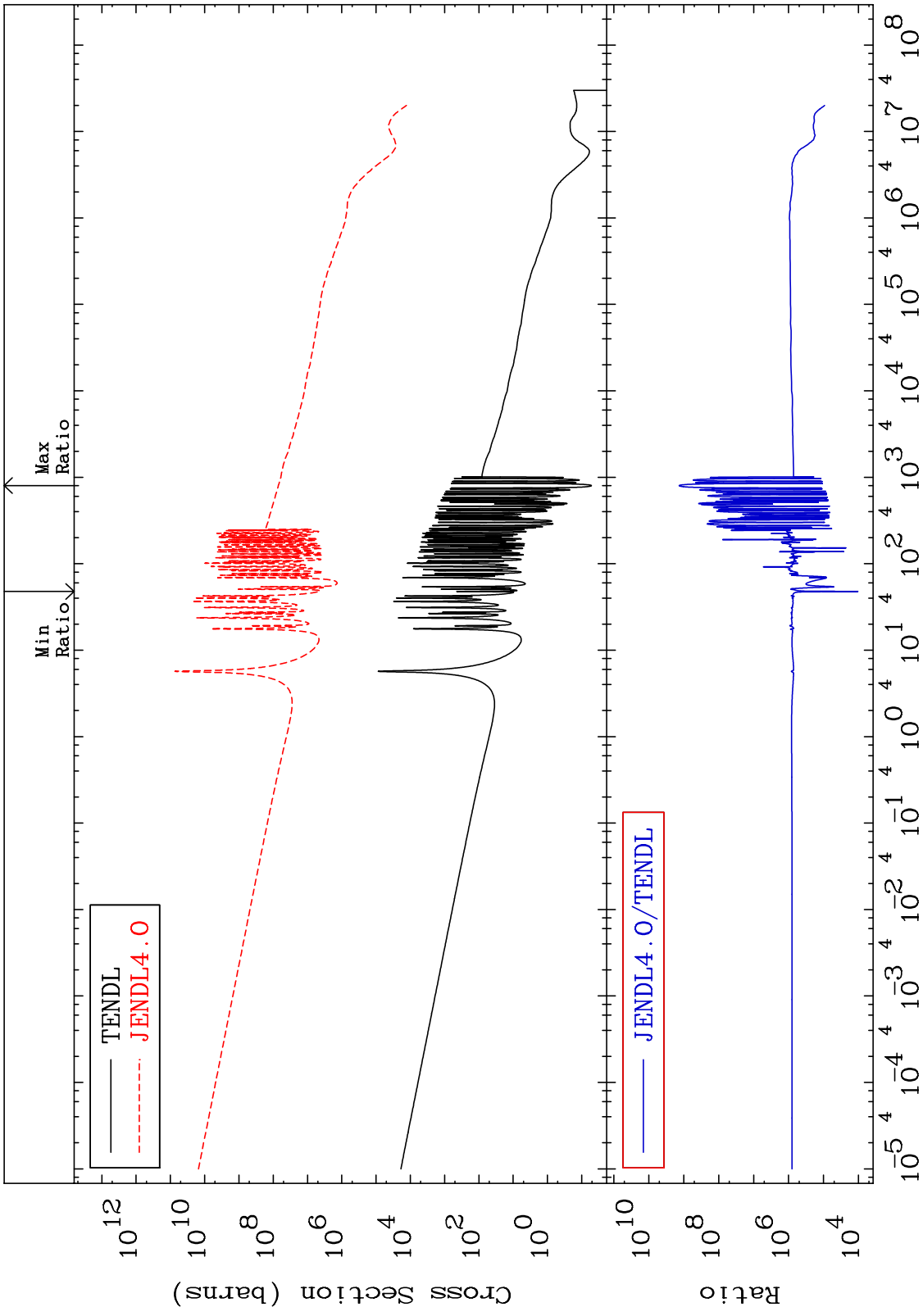




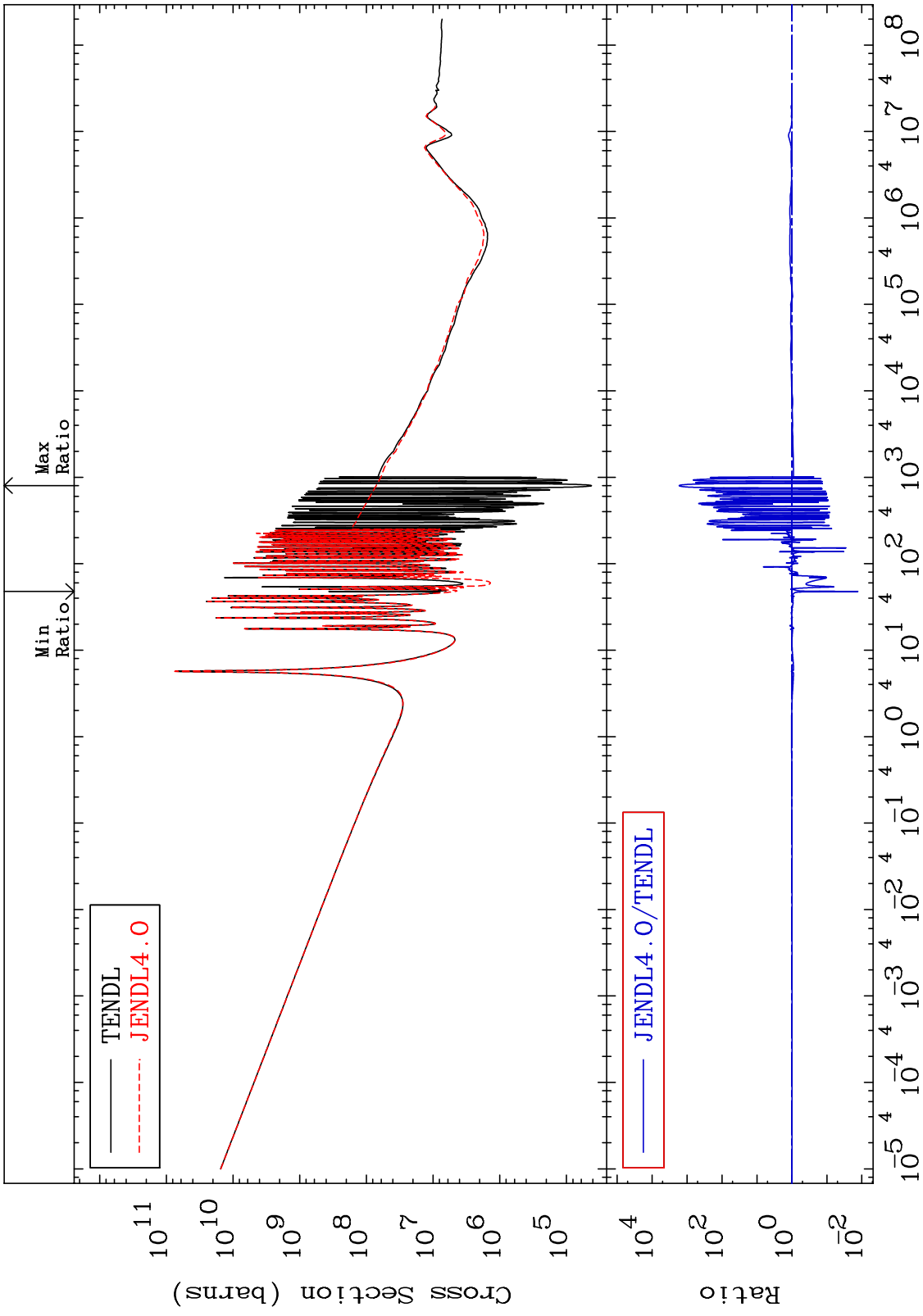
MAT 7240 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-179
 Cross Section 2695. To 9999. %



53 Incident Energy (eV) 72-Hf-179

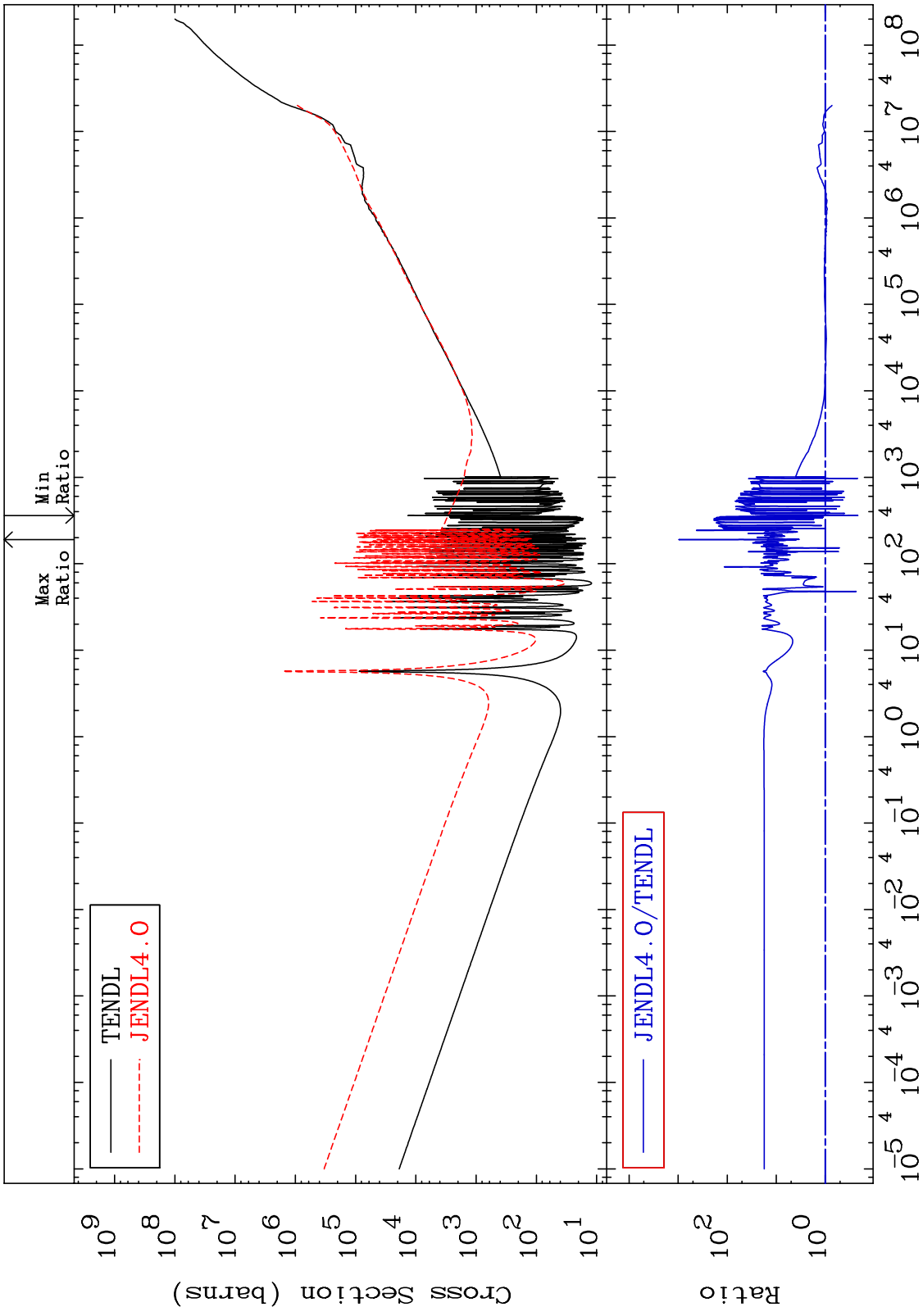


MAT 7240 72-Hf-179
 Total photon (eV-barns) -98.70 To 9999. %
 Cross Section

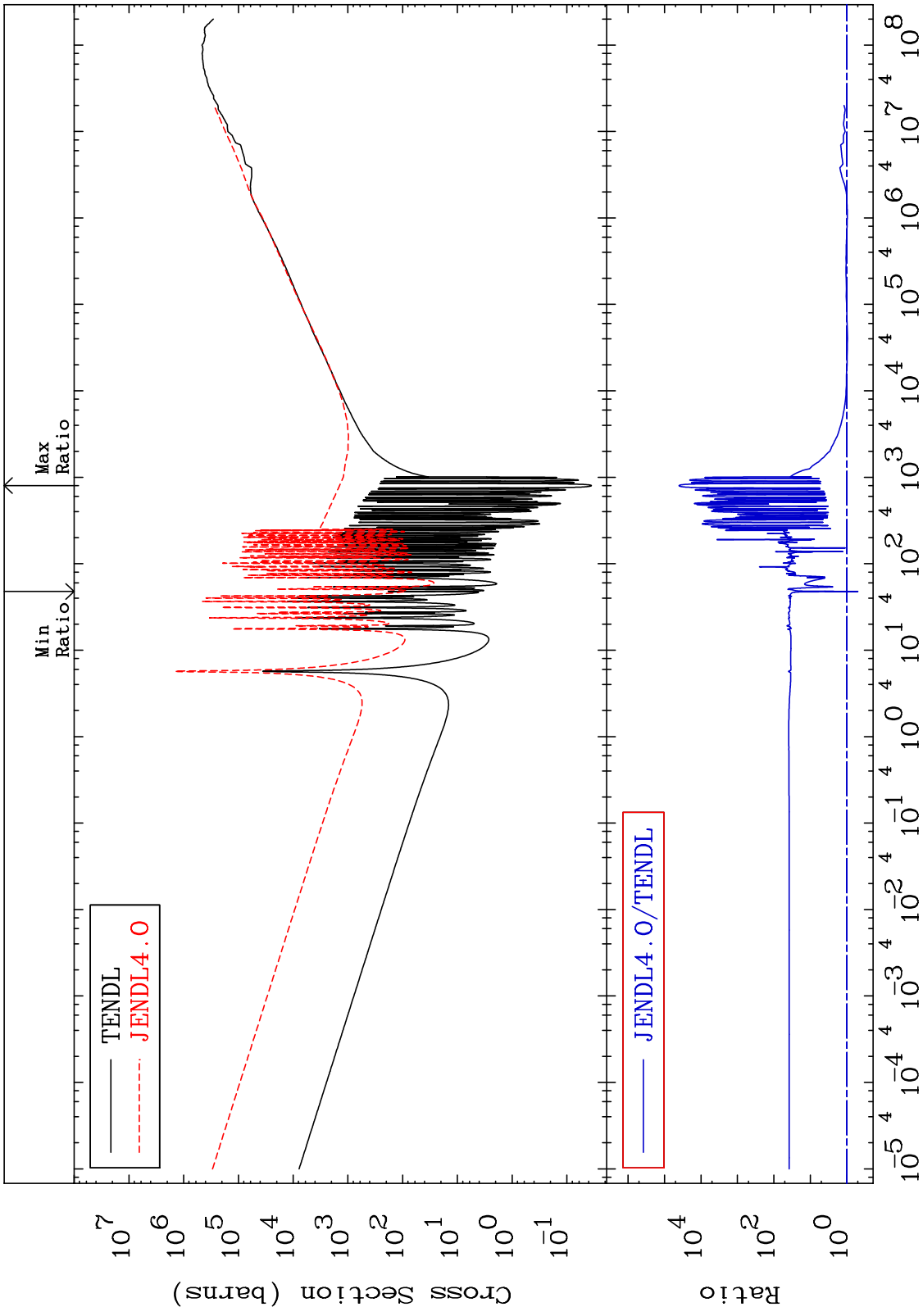


55 72-Hf-179

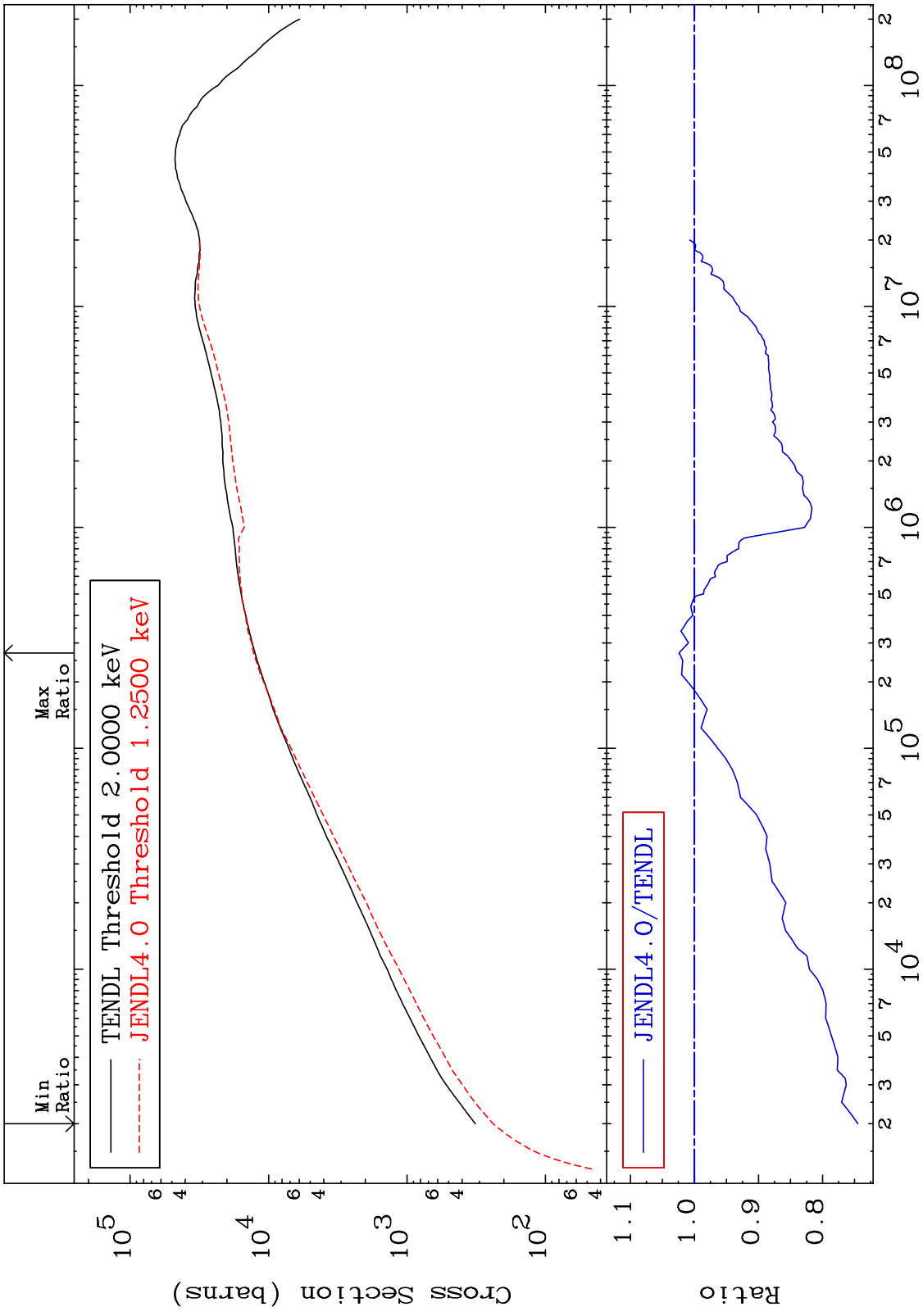
MAT 7240 Total kinematic kerma (high limit) 72-Hf-179
 Cross Section -78.27 To 9999. %



MAT 7240 Dpa total (eV-barns) 72-Hf-179
 Cross Section -50.25 To 9999. %

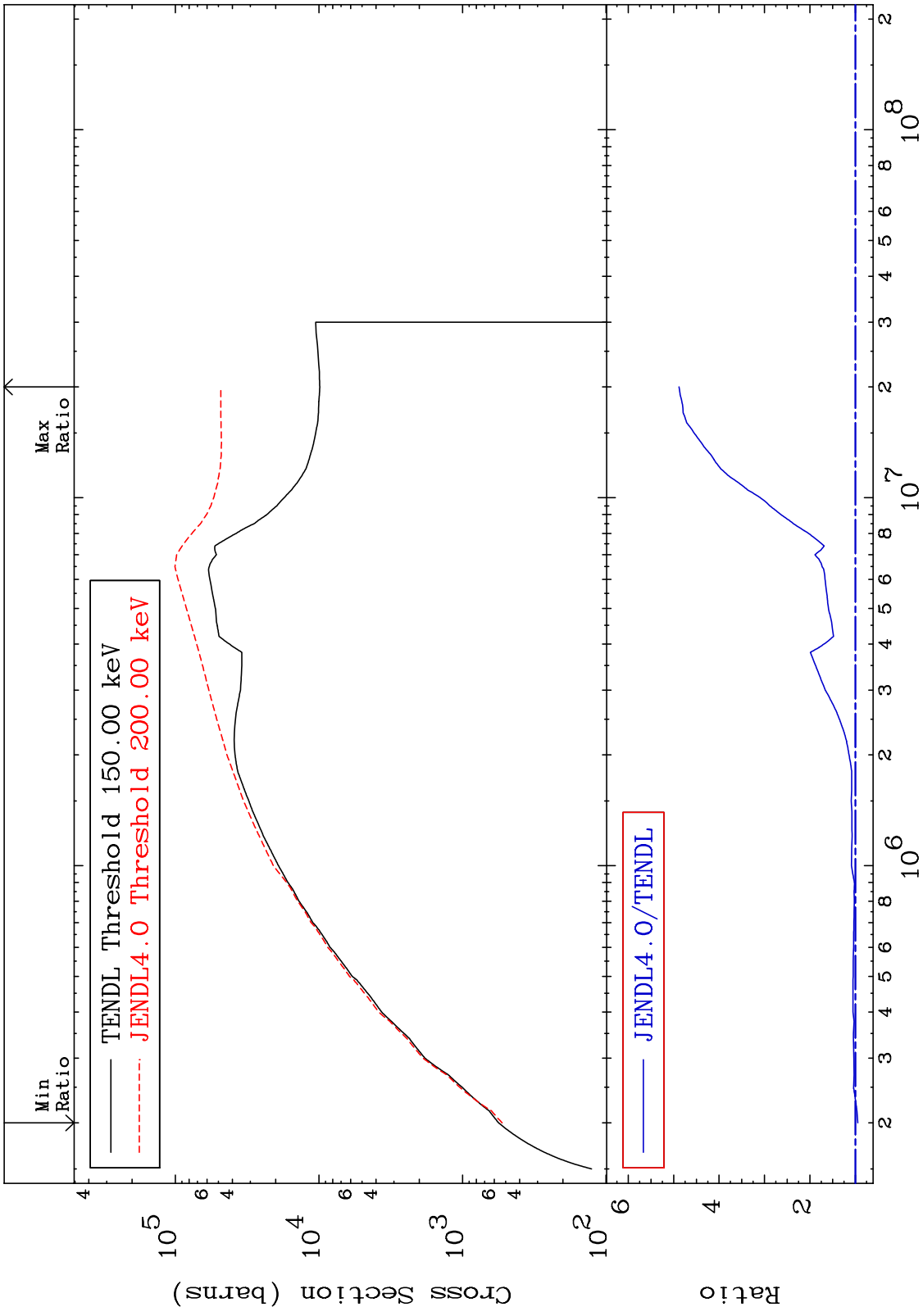


MAT 7240 72-Hf-179
 Dpa elastic (mt2) -25.50 To 2.403 %
 Cross Section

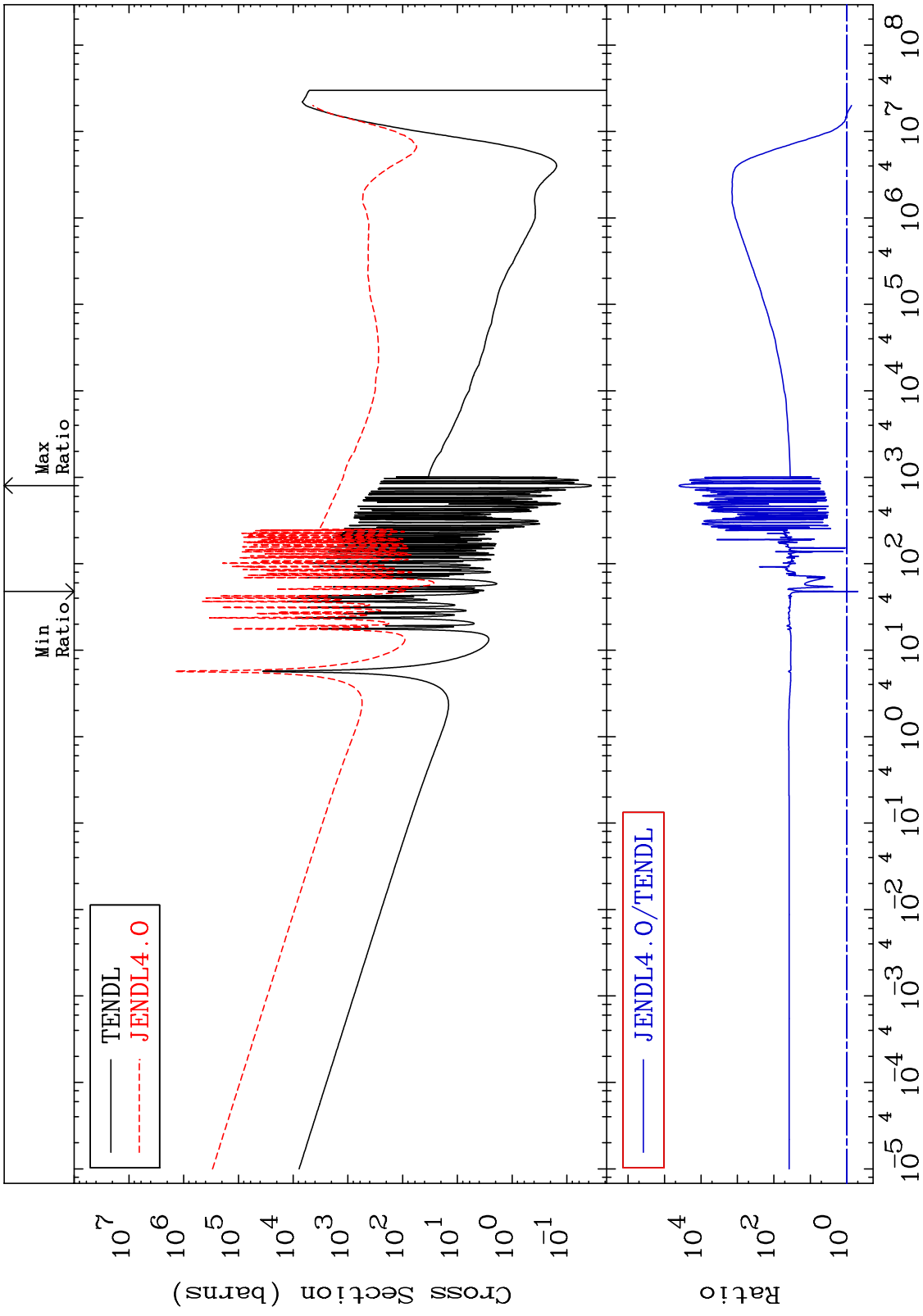


58 72-Hf-179

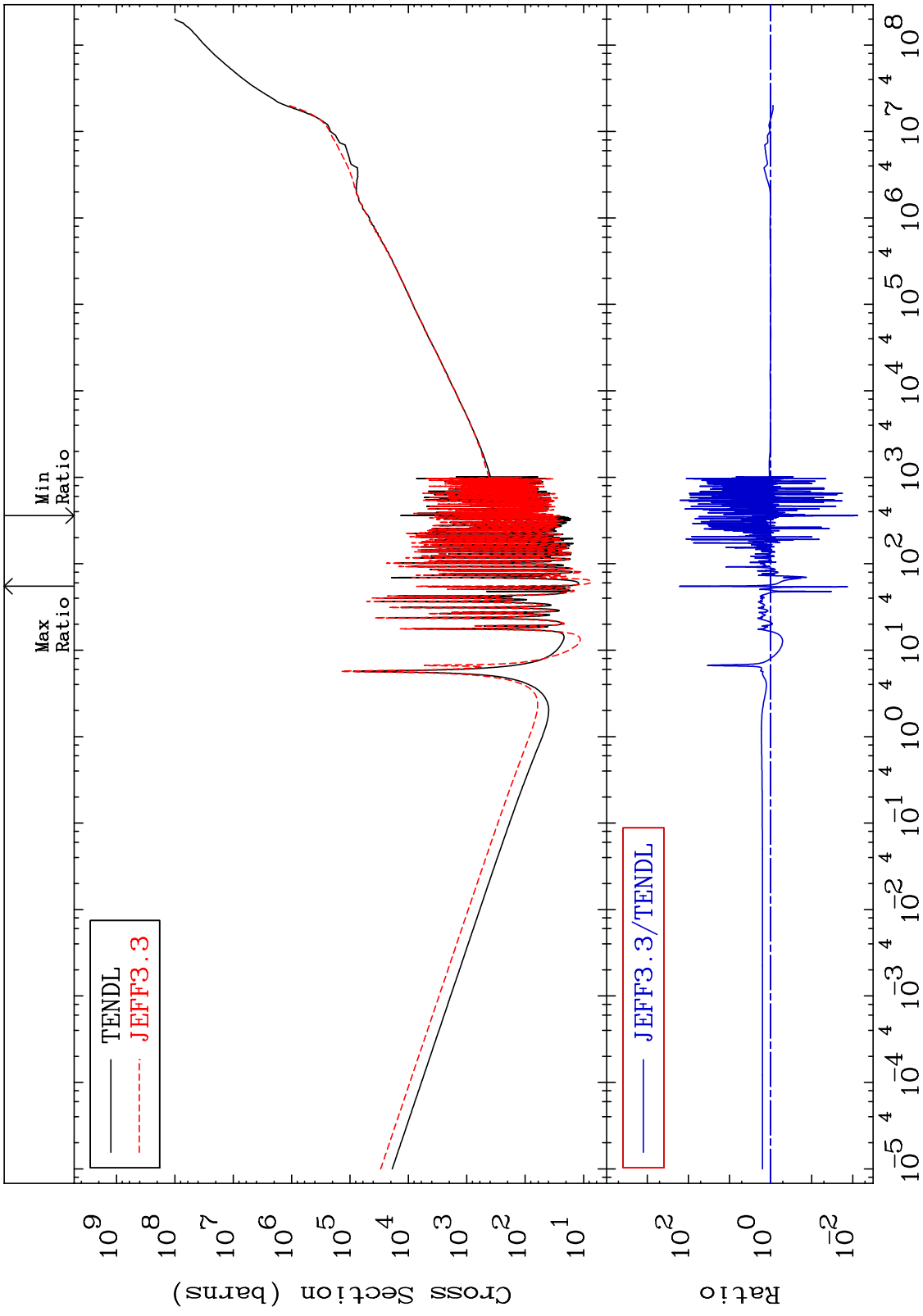
MAT 7240 Dpa inelastic (mt51-91) 72-Hf-179
 Cross Section -5.628 To 388.2 %



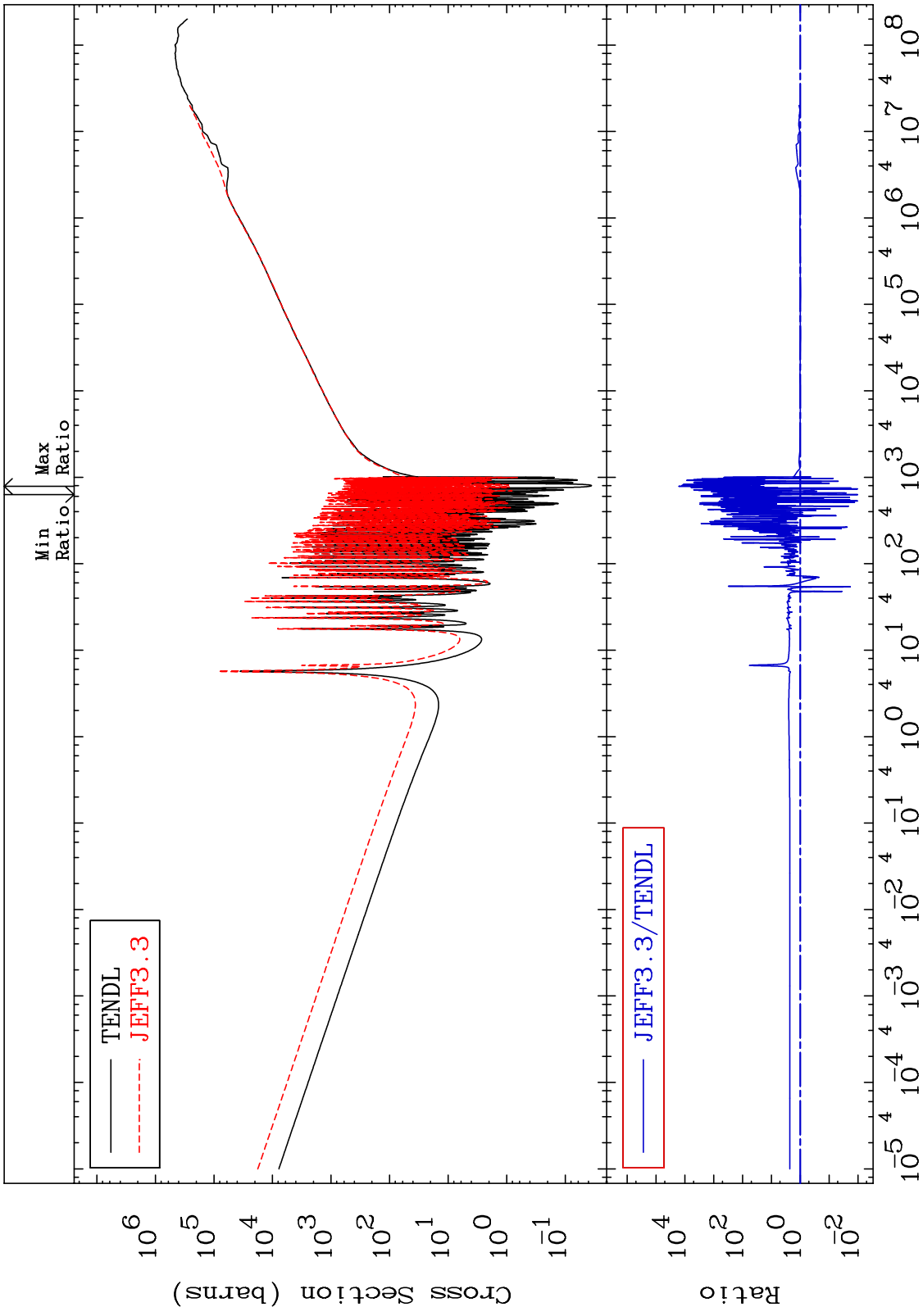
MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179
 Cross Section -50.25 To 9999. %



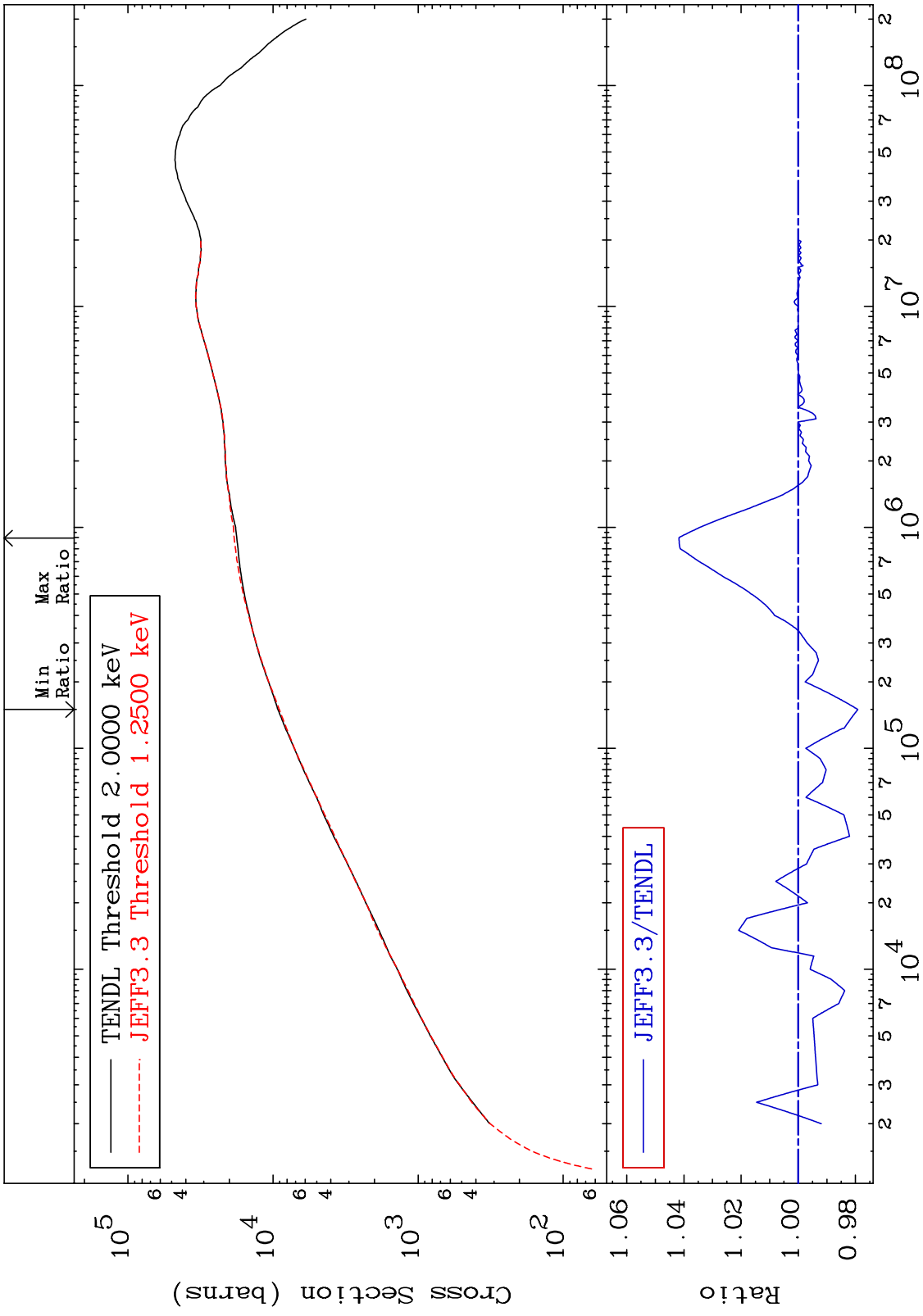
MAT 7240 Total kinematic kerma (high limit) 72-Hf-179
 Cross Section -99.25 To 9999. %



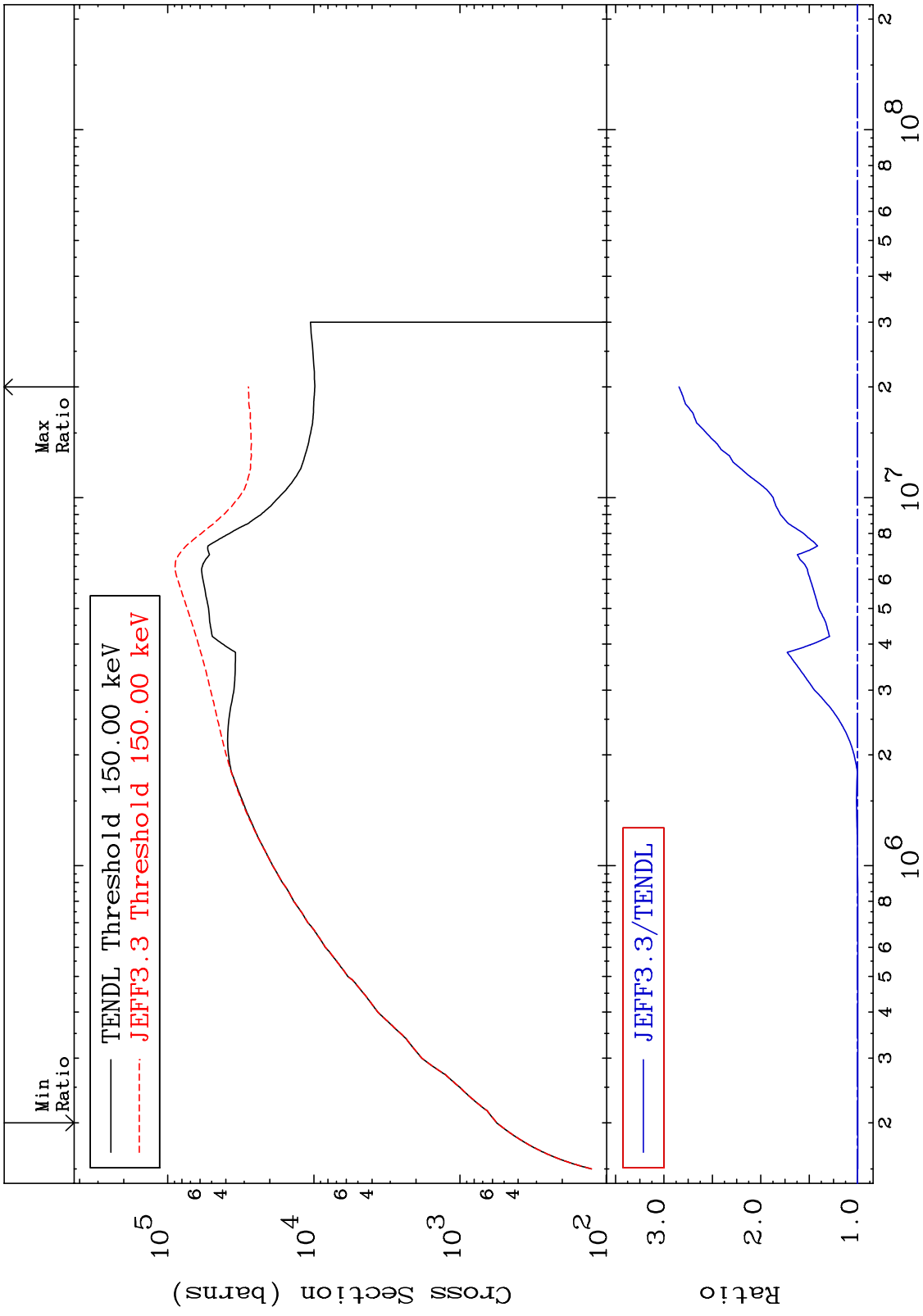
MAT 7240 Dpa total (eV-barns) 72-Hf-179
 Cross Section -98.99 To 9999. %



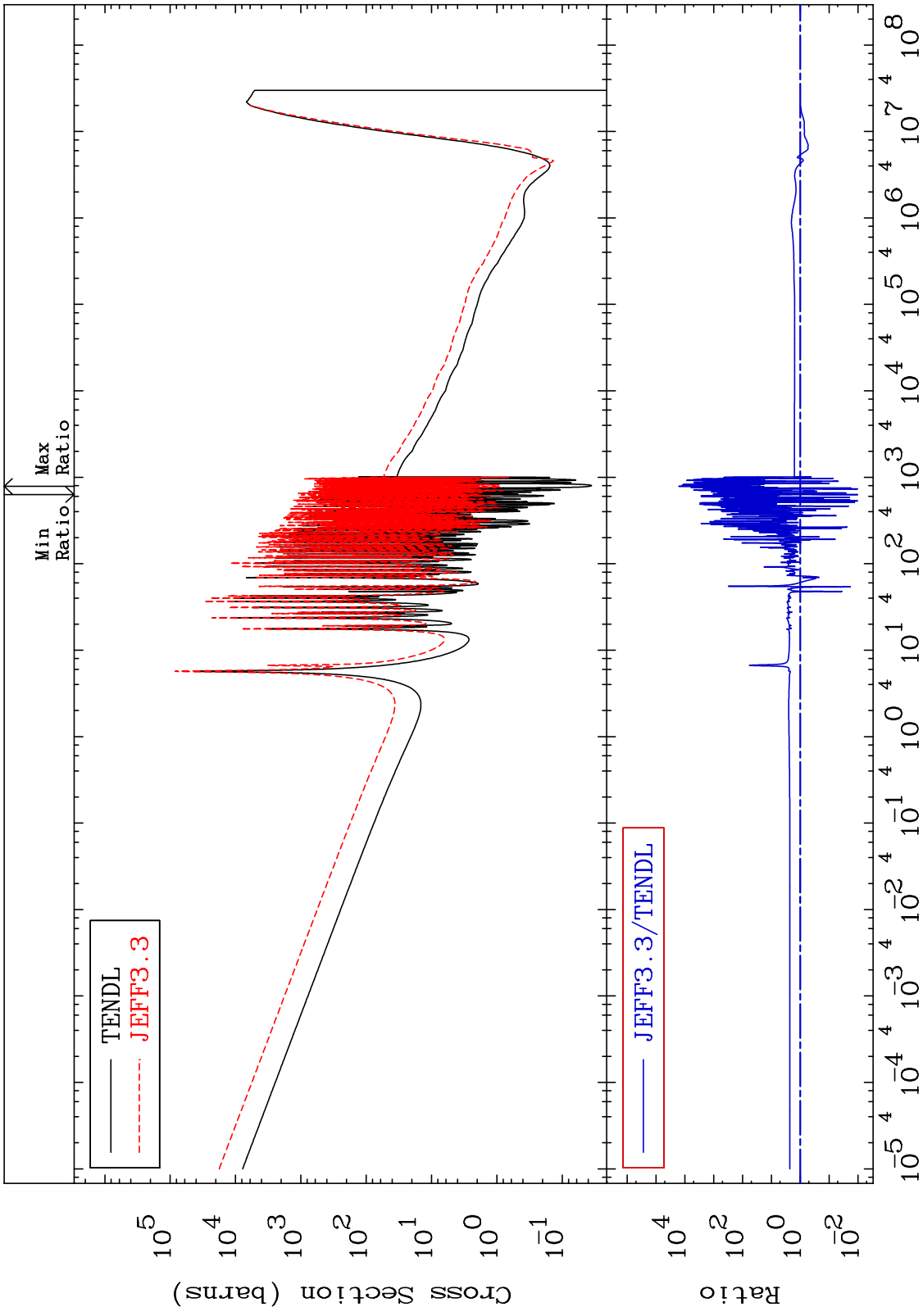
MAT 7240 72-Hf-179
-2.083 To 4.170 %
 Dpa elastic (mt2)
 Cross Section



MAT 7240 Dpa inelastic (mt51-91) 72-Hf-179
 Cross Section -0.214 To 184.4 %



MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179
 Cross Section -98.99 To 9999. %

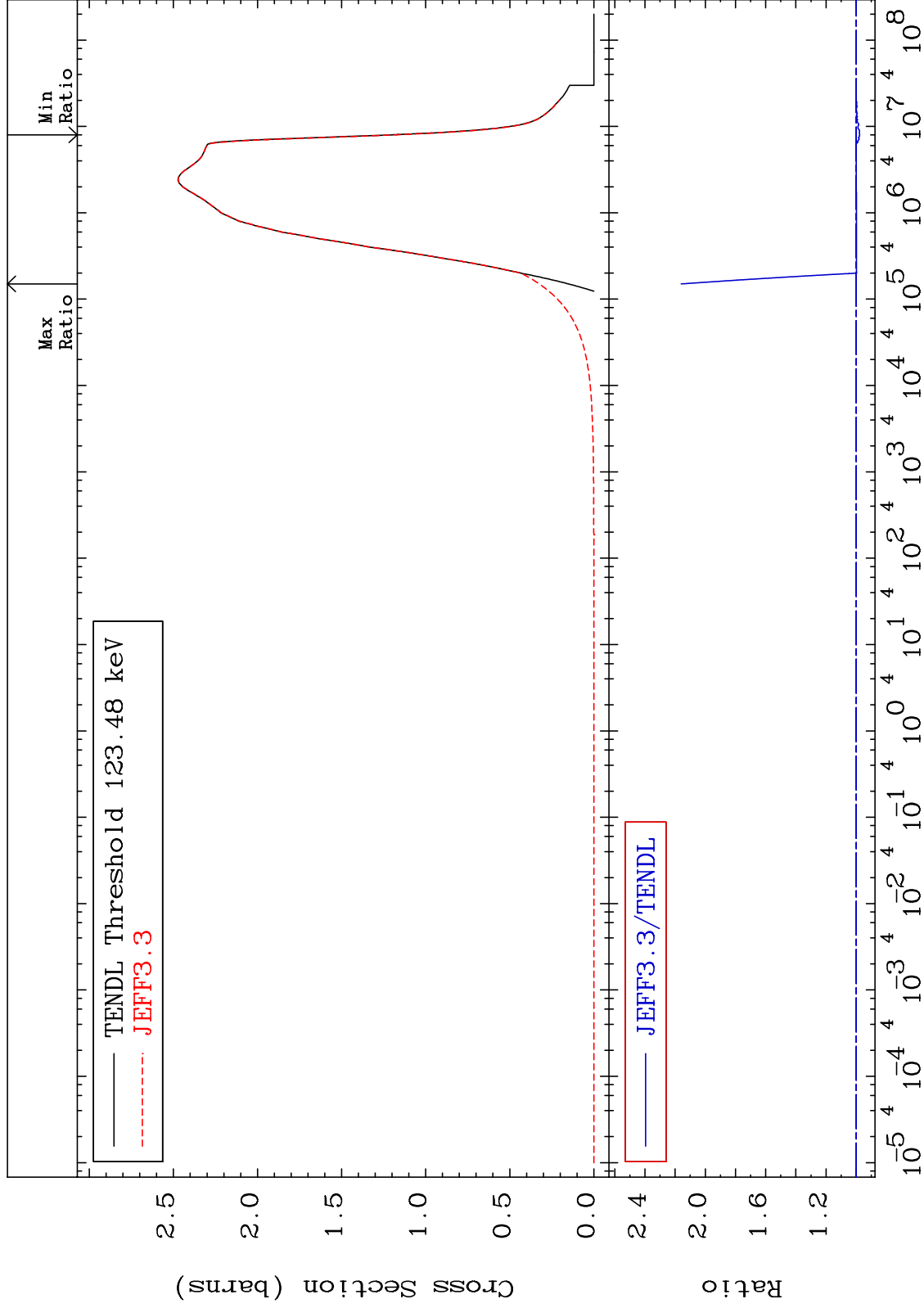


MAT 7240

Inelastic: 72-Hf-179

72-Hf-179

Radionuclide Production Cross Section -2.340 To 116.0 %

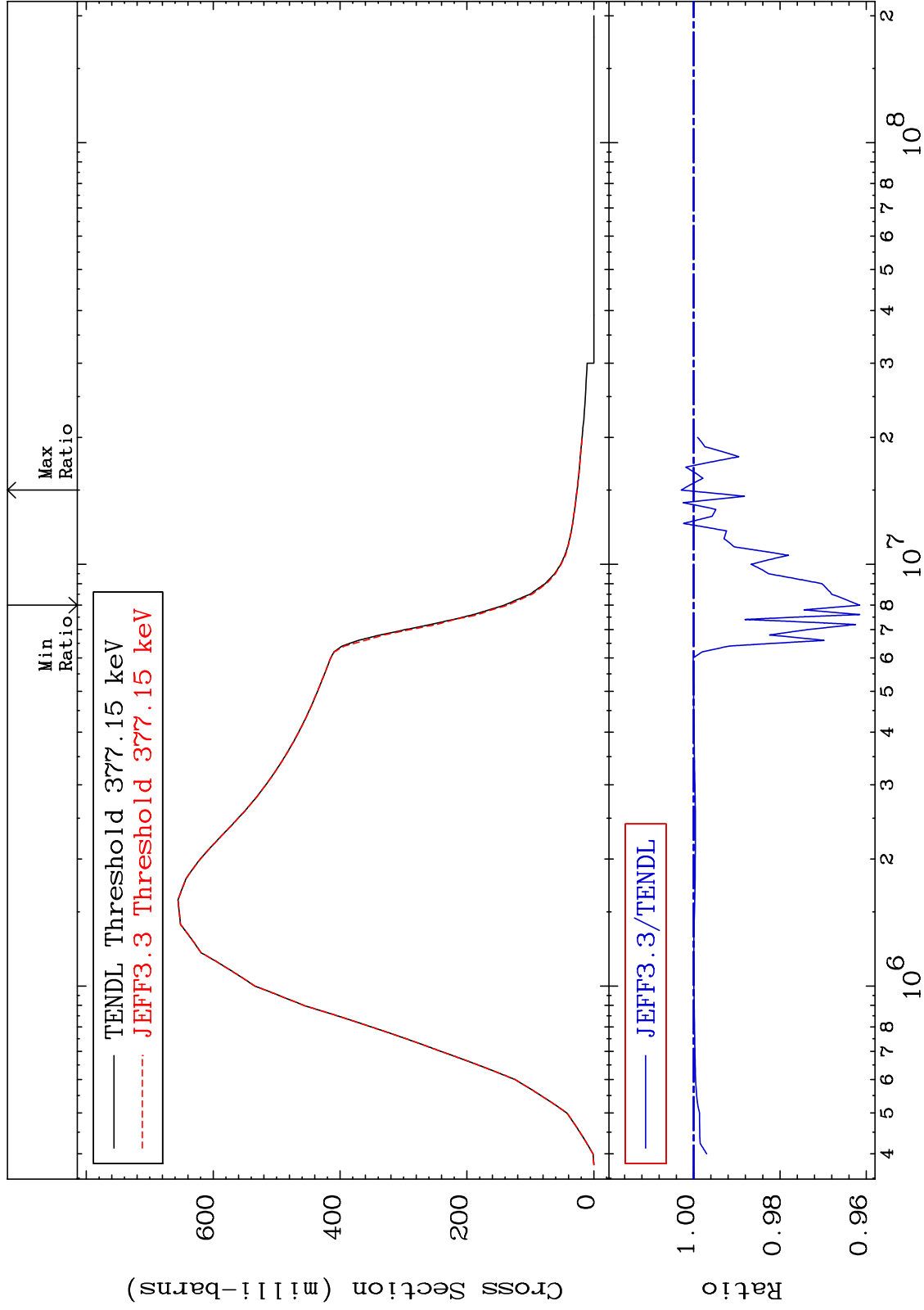


MAT 7240

Inelastic: 72-Hf-179m5

72-Hf-179

Radionuclide Production Cross Section -3.848 To 0.287 %

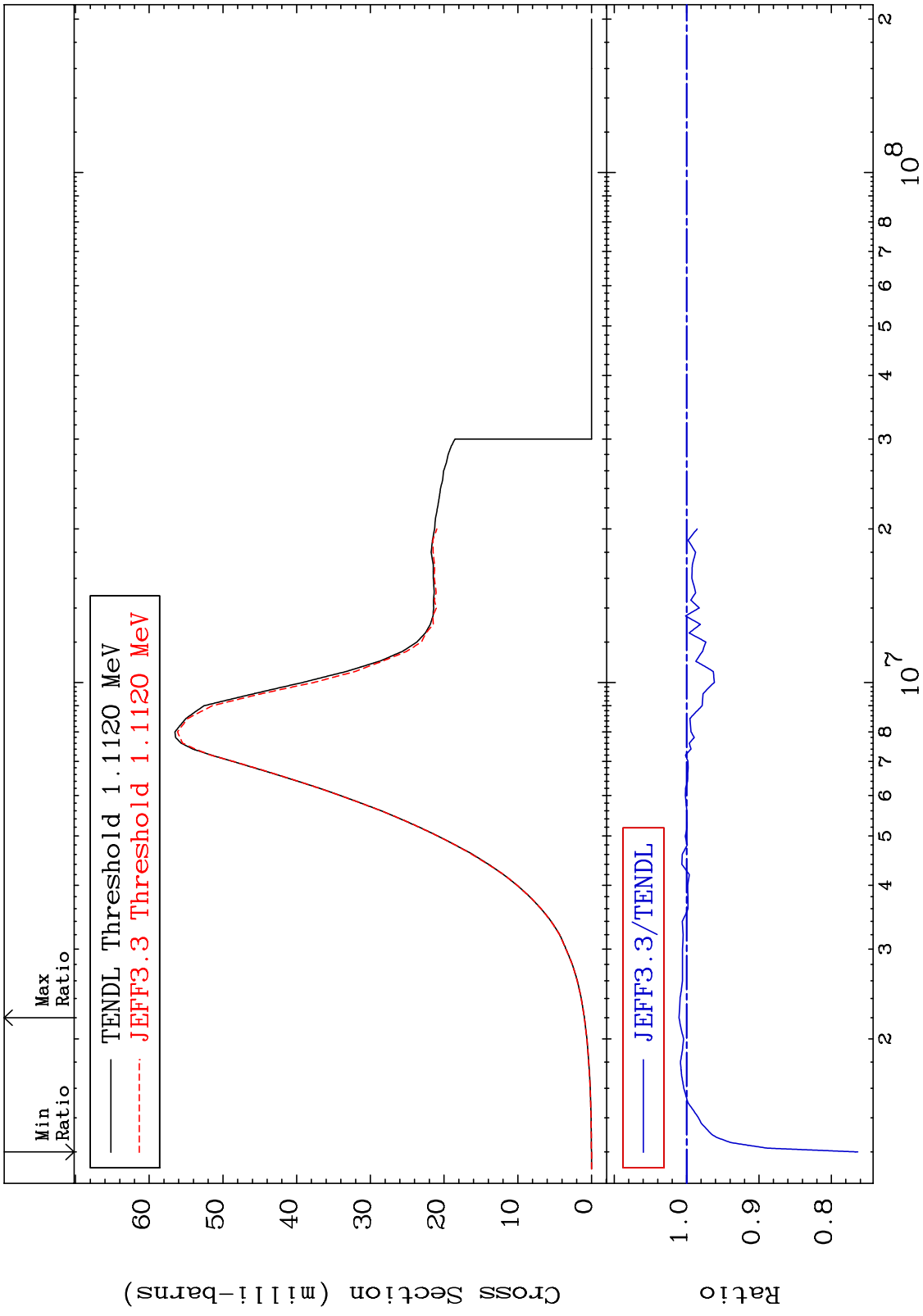


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Incident Energy (eV)

72-Hf-179

MAT 7240 Inelastic: 72-Hf-179m30 72-Hf-179
 Radionuclide Production Cross Section -23.66 To 1.048 %

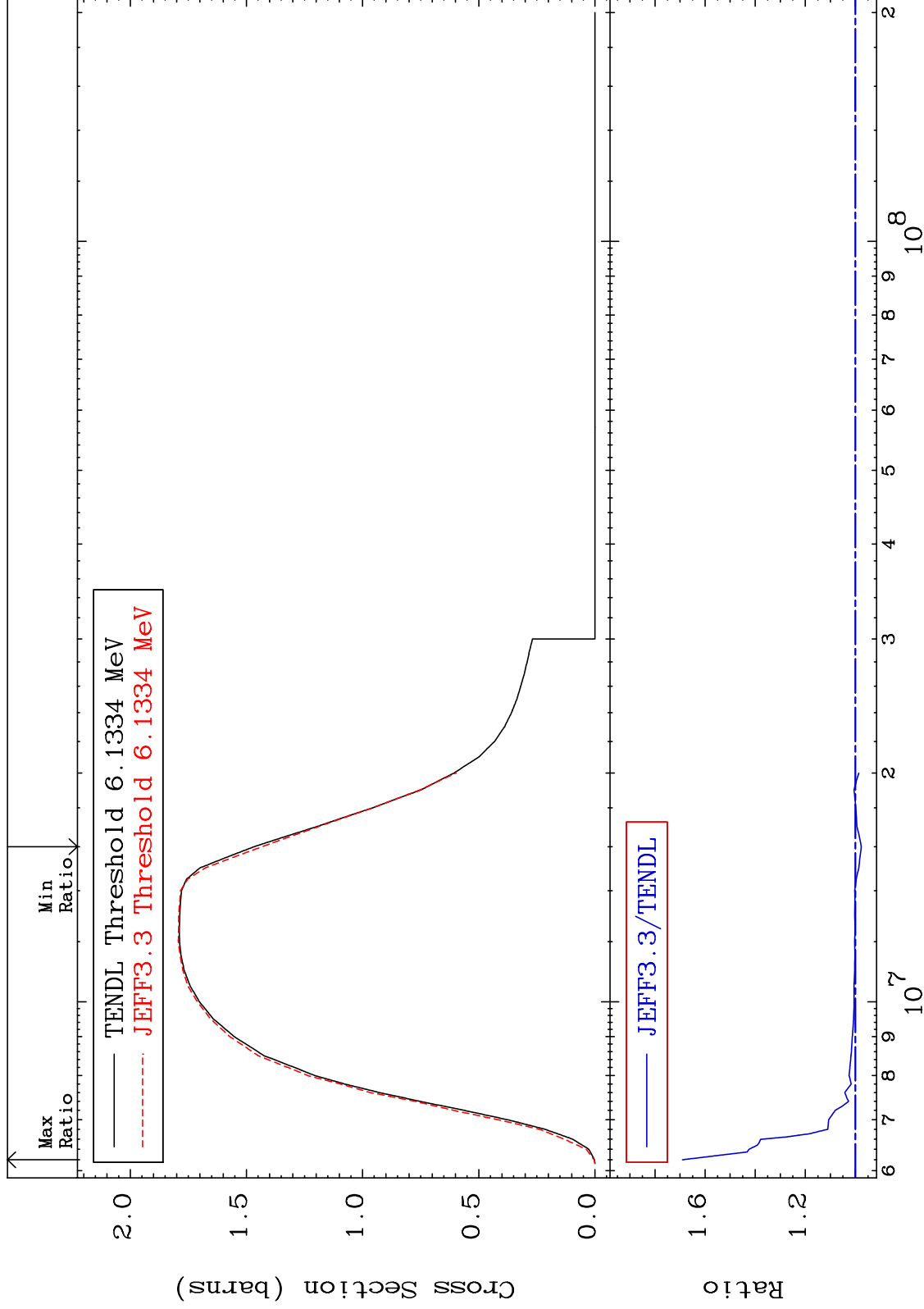


MAT 7240

(n,2n):72-Hf-178g

72-Hf-179

Radionuclide Production Cross Section -2.340 To 69.03 %



69

Incident Energy (eV)

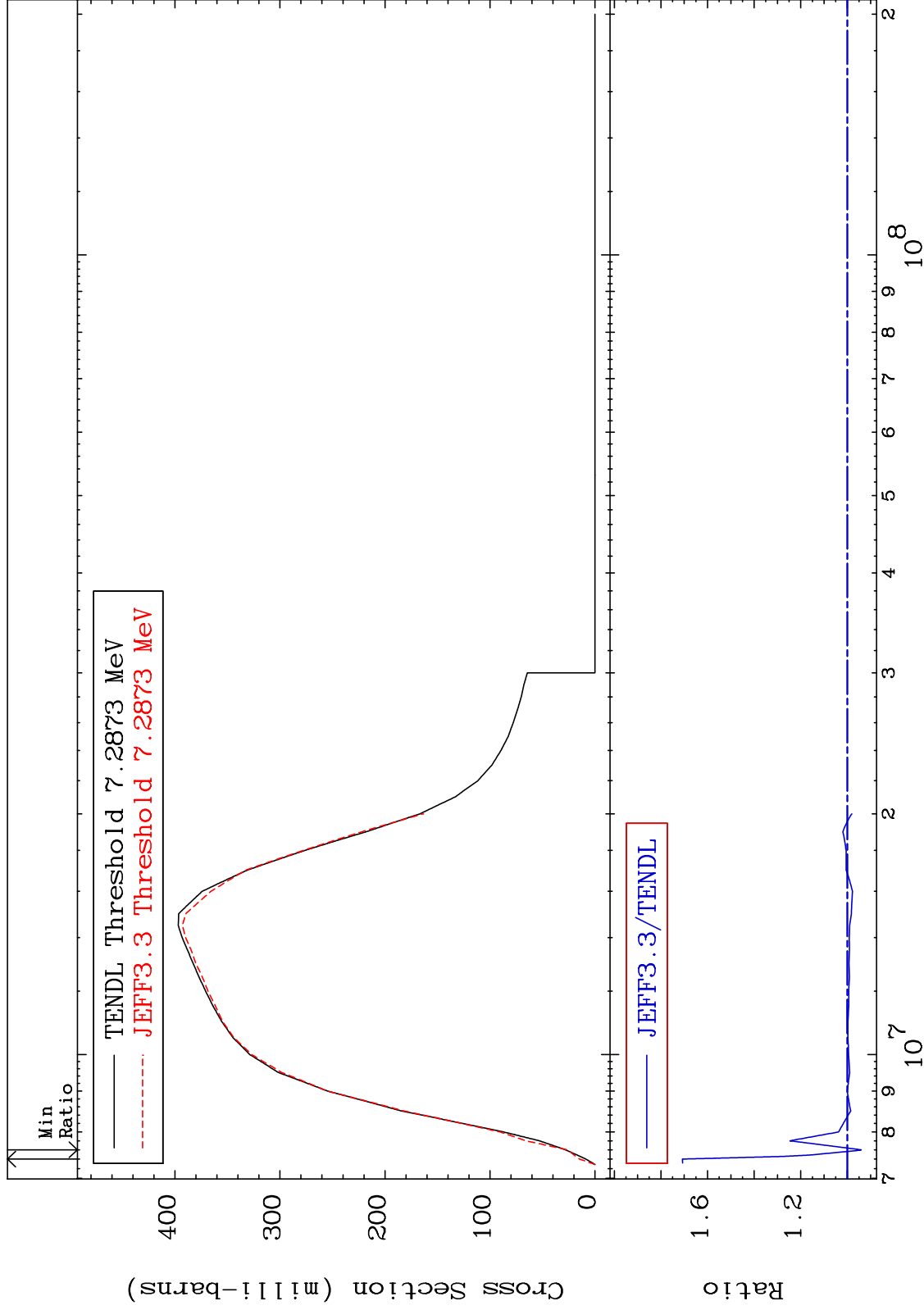
72-Hf-179

MAT 7240

(n,2n):72-Hf-178m5

72-Hf-179

Radionuclide Production Cross Section -5.980 To 70.75 %

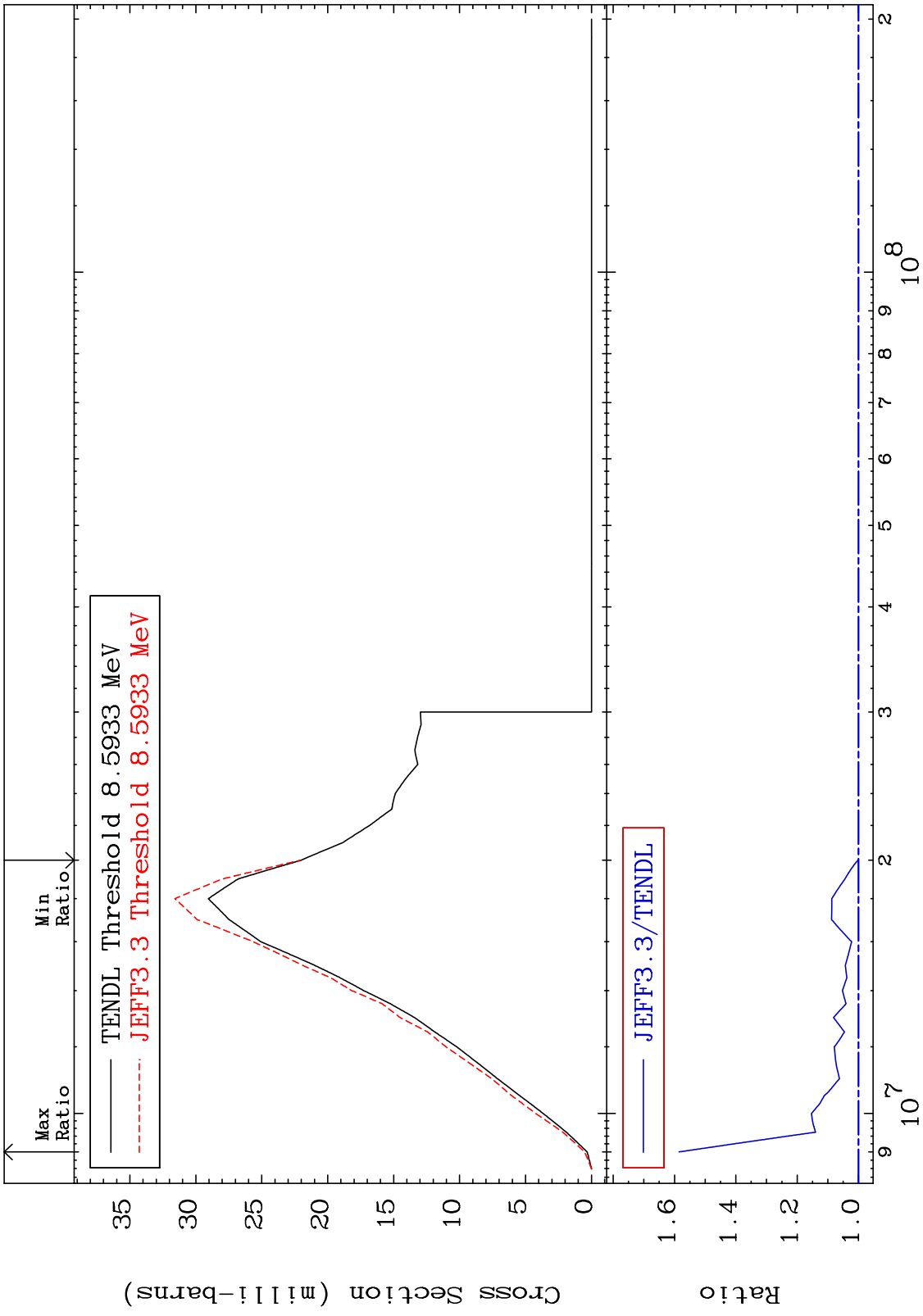


70

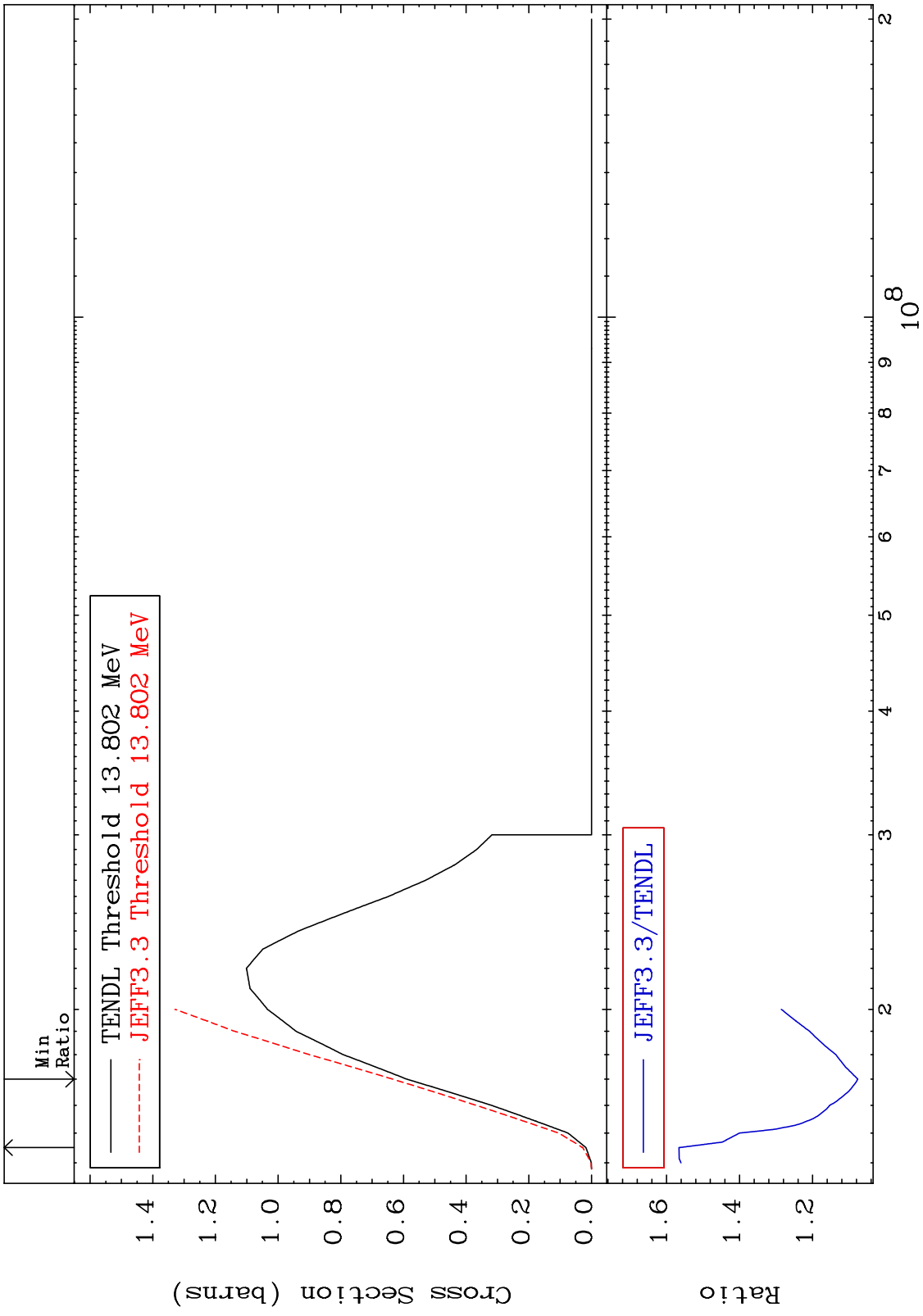
Incident Energy (eV)

72-Hf-179

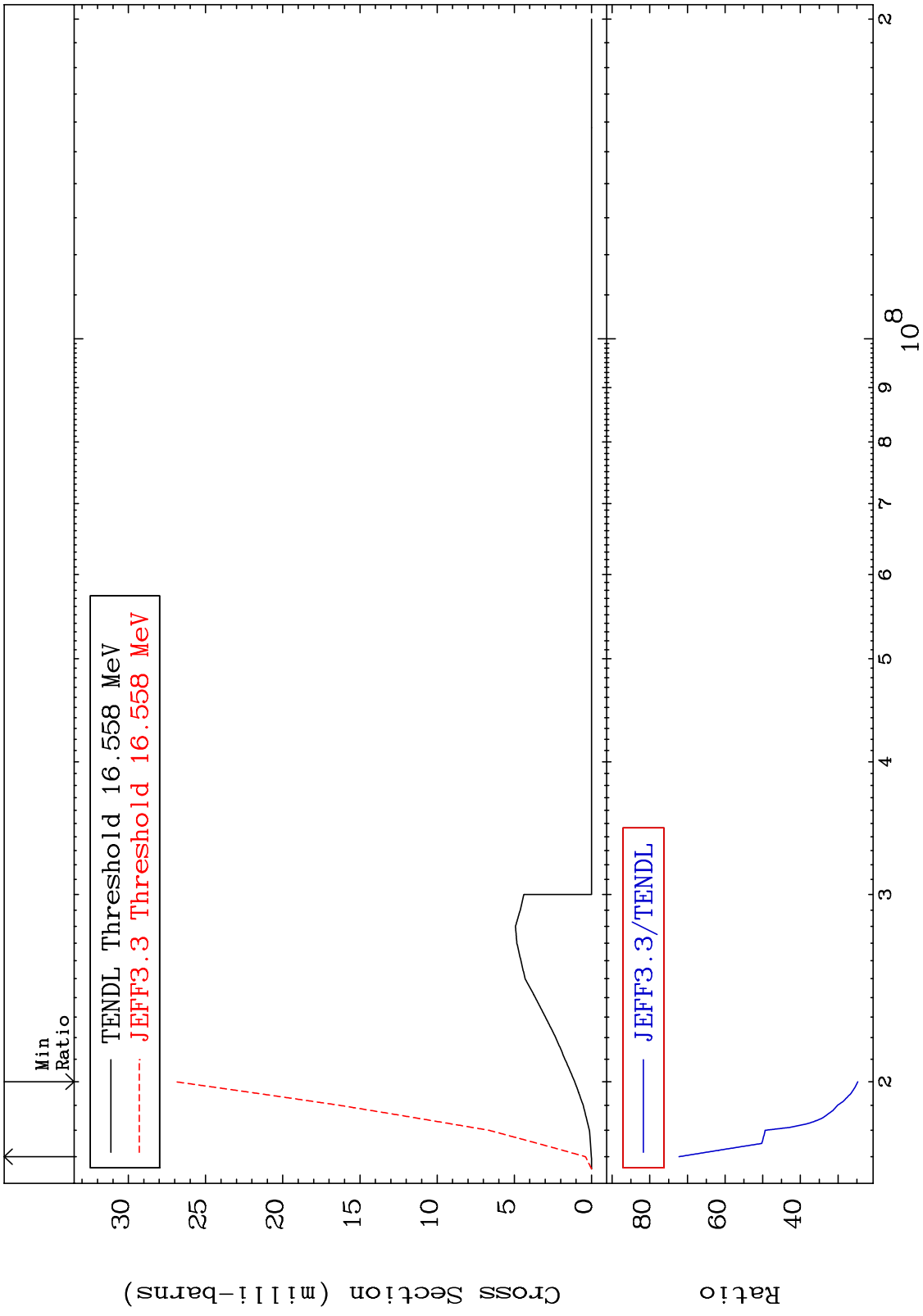
MAT 7240 (n,2n): 72-Hf-178m10 72-Hf-179
 Radionuclide Production Cross Section 0.230 To 58.52 %



MAT 7240 (n,3n):72-Hf-177g 72-Hf-179
 Radionuclide Production Cross Section 7.624 To 56.56 %

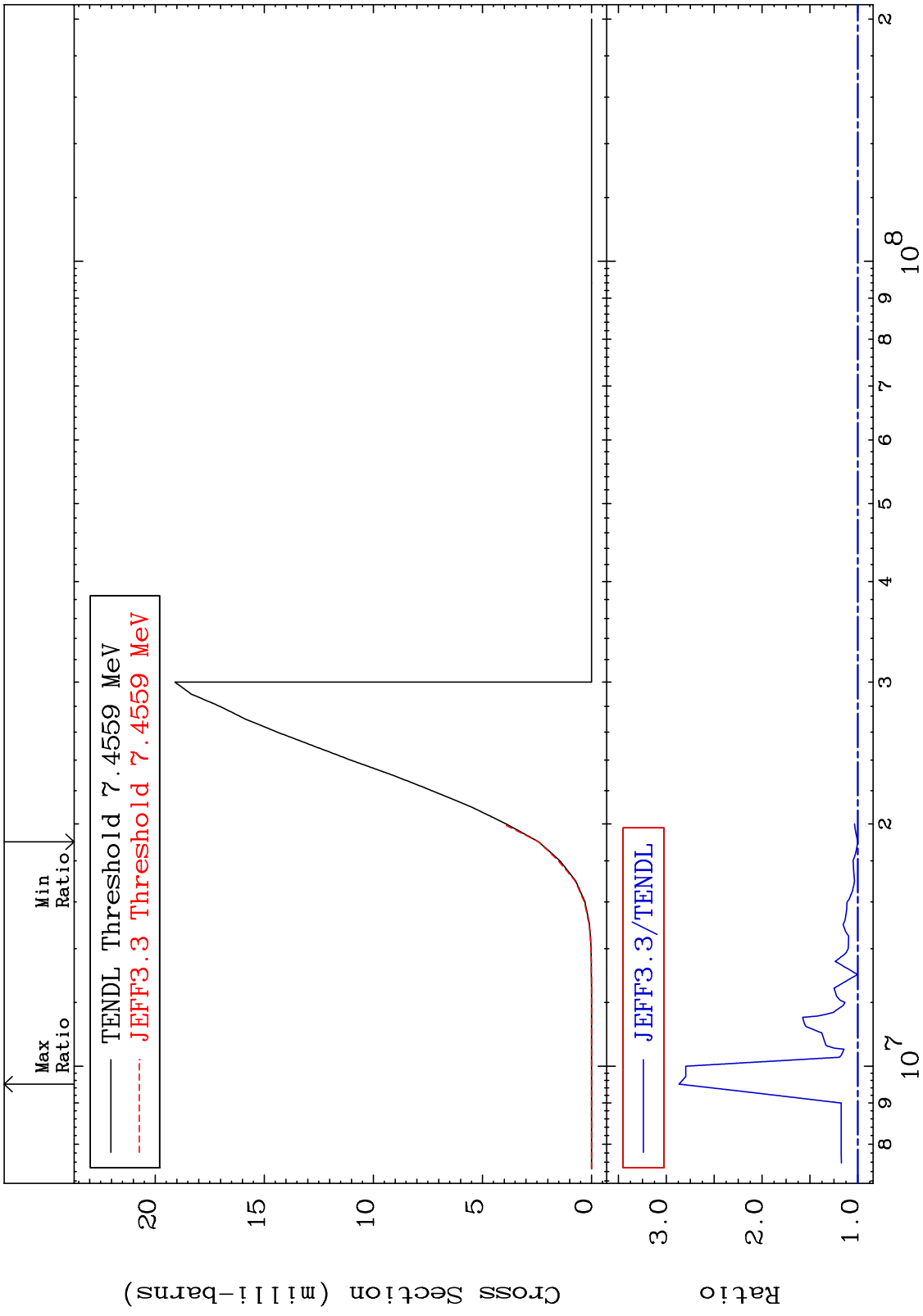


MAT 7240 (n,3n):72-Hf-177m10 72-Hf-179
 Radionuclide Production Cross Section 2375. To 7123. %



73 72-Hf-179

MAT 7240 (n, n') p: 71-Lu-178g 72-Hf-179
 Radionuclide Production Cross Section 0.045 To 186.8 %

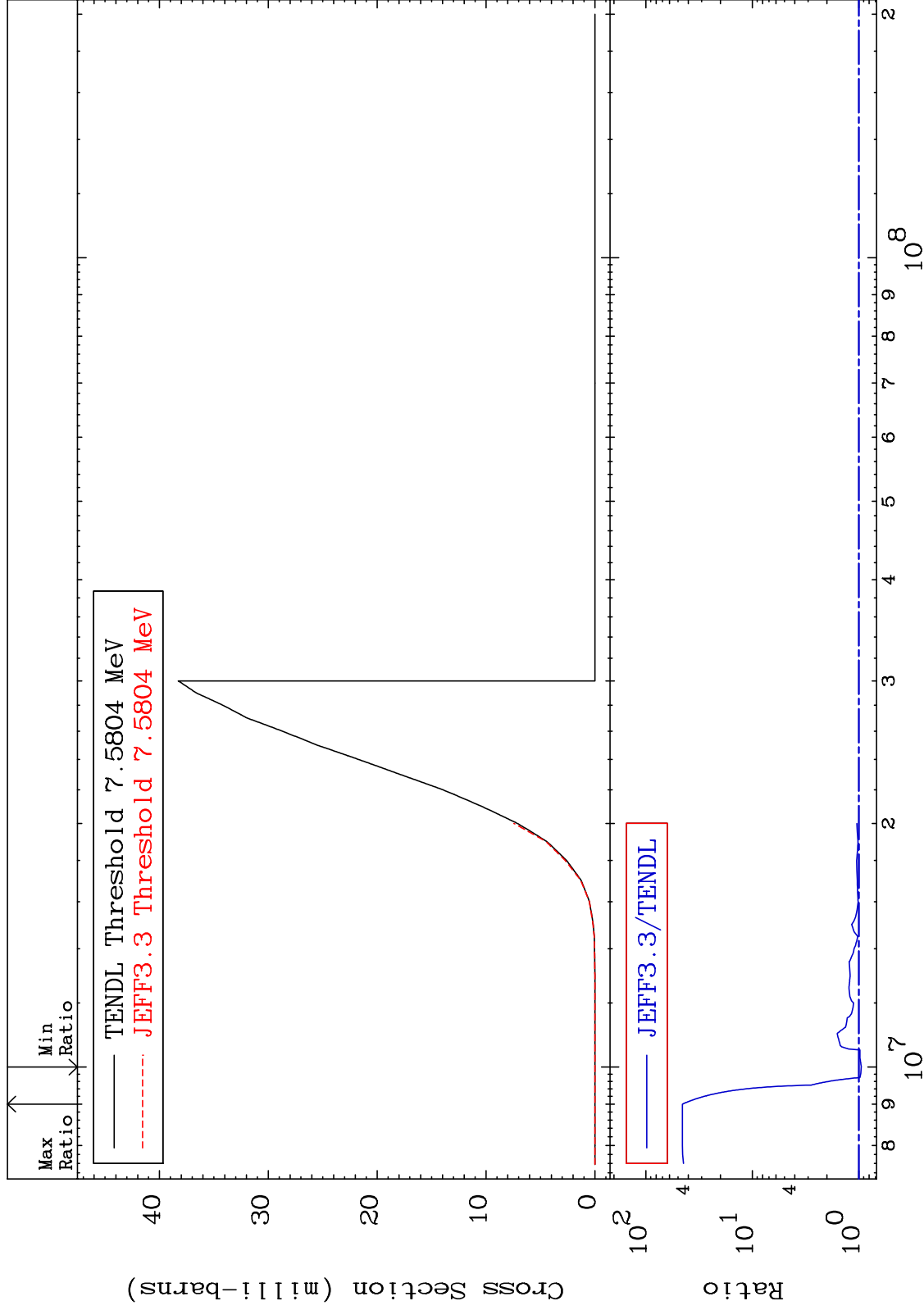


MAT 7240

(n,n') p:71-Lu-178m3

72-Hf-179

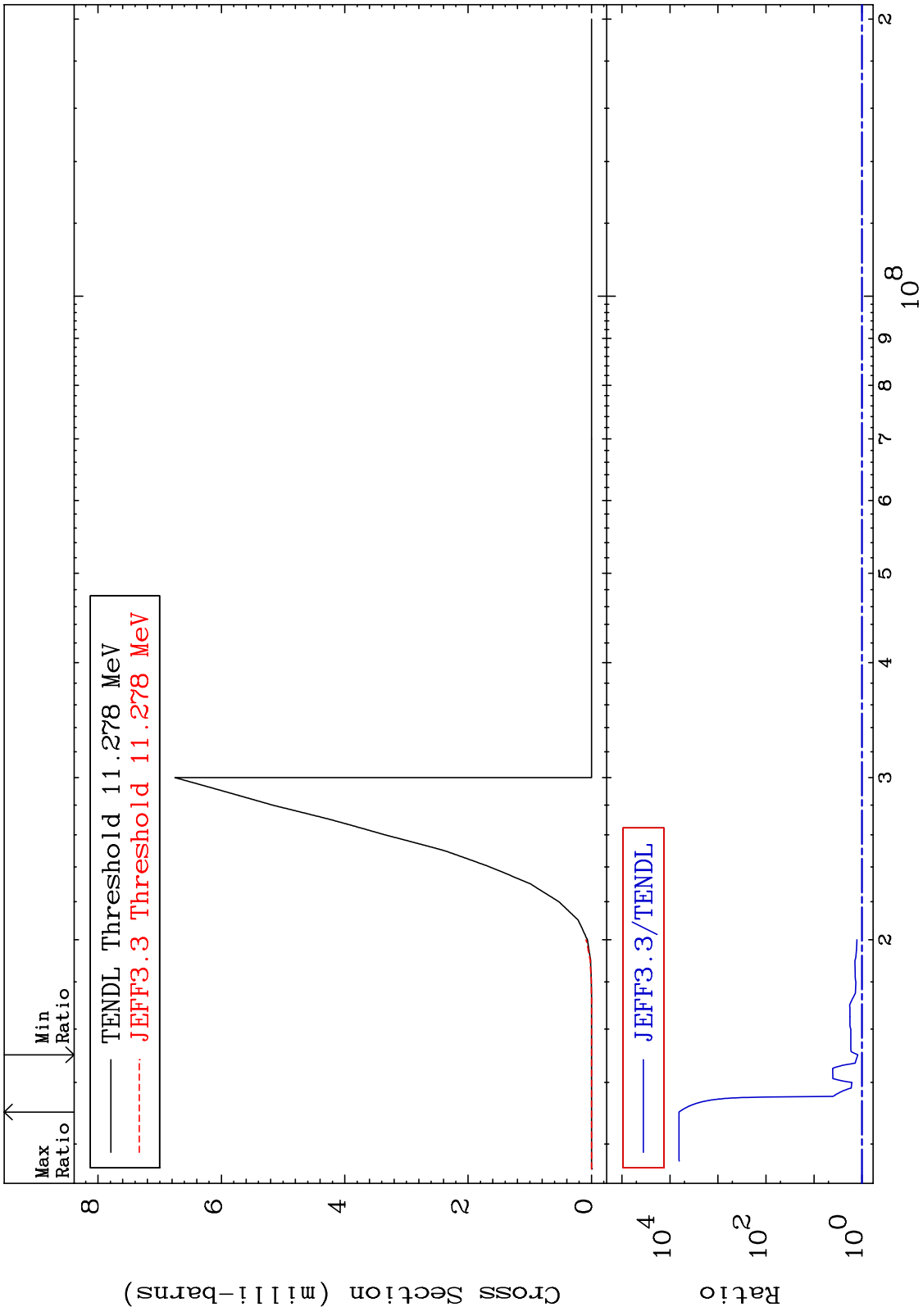
Radionuclide Production Cross Section -5.112 To 4436. %



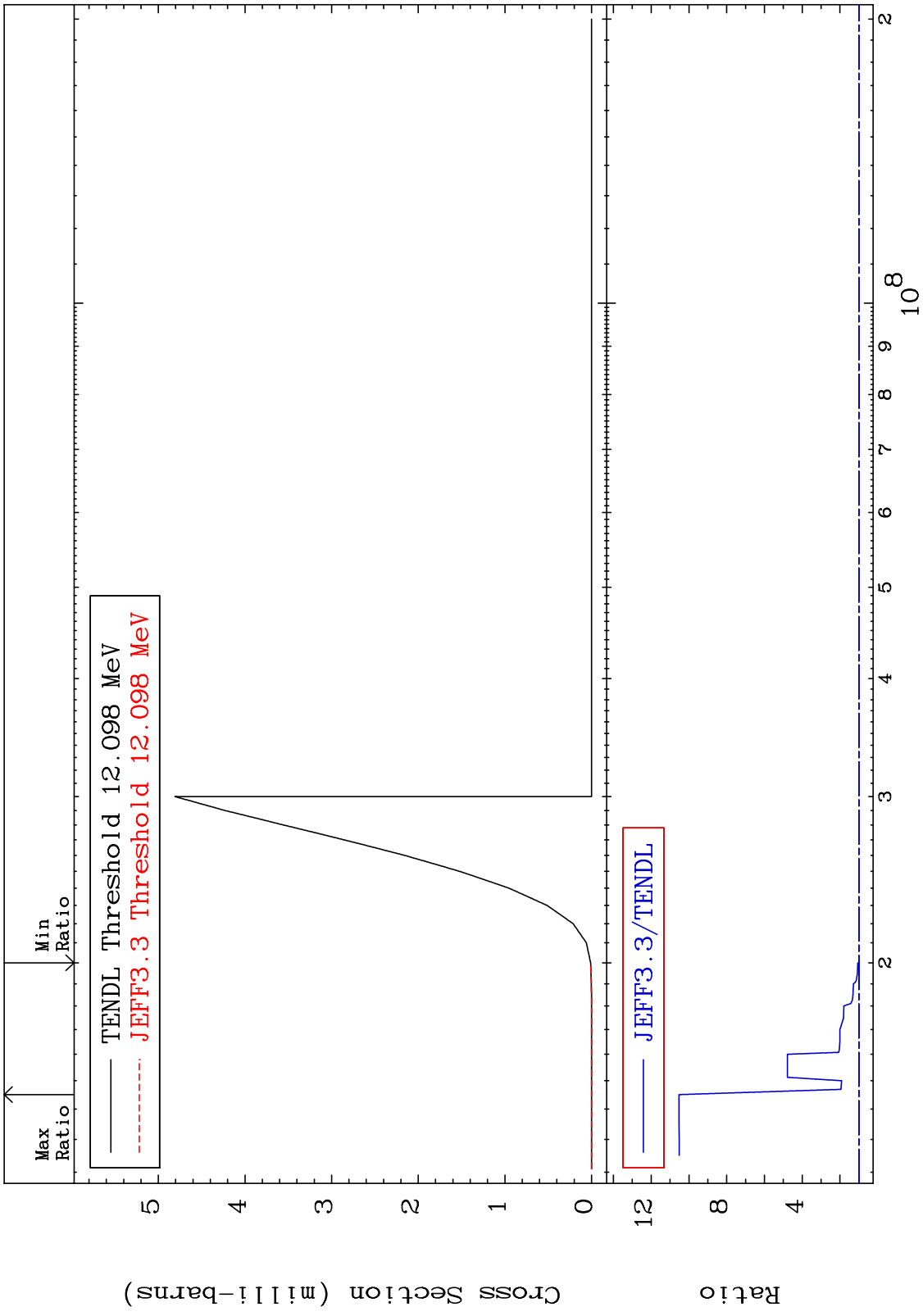
75

Incident Energy (eV)

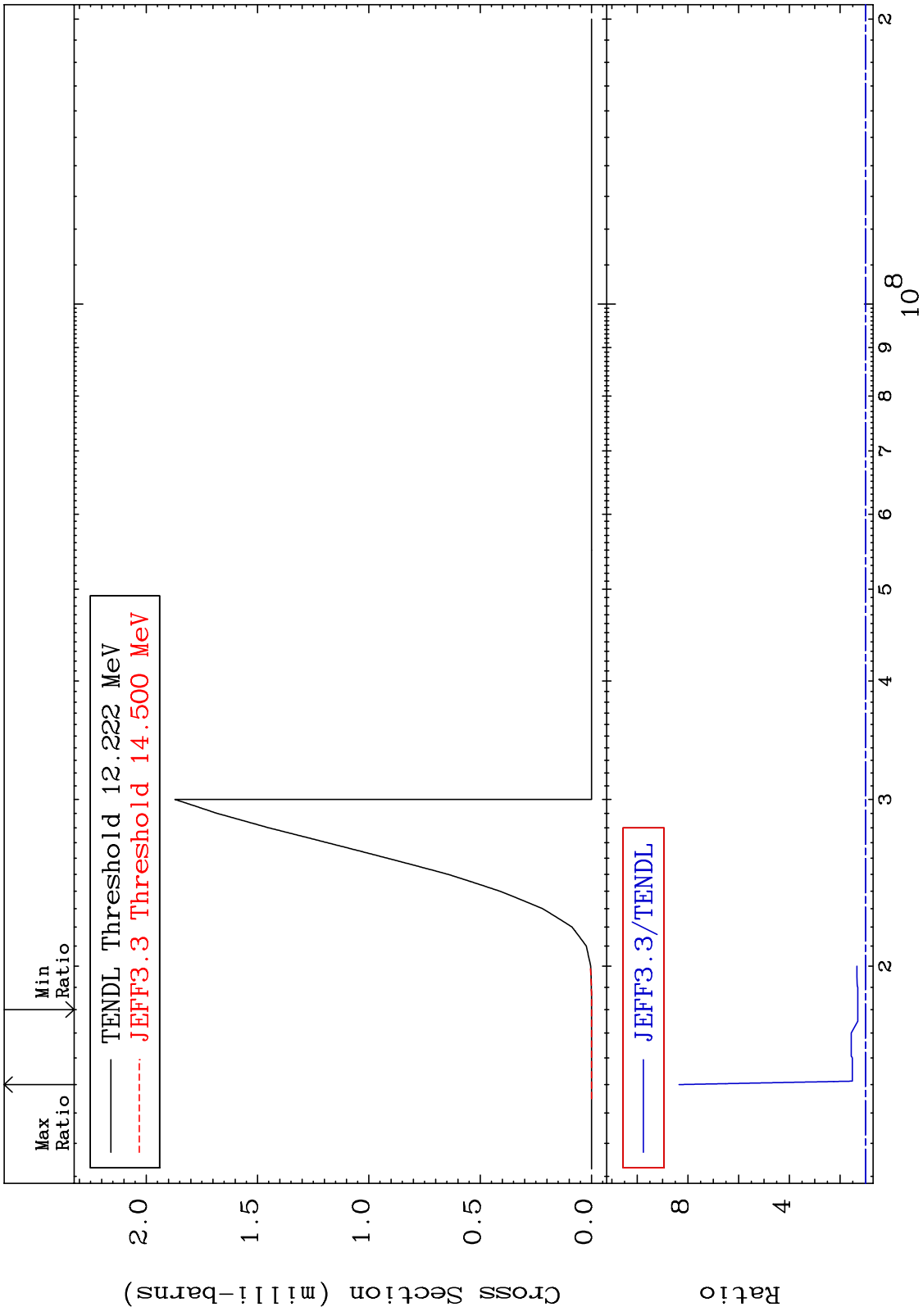
72-Hf-179



MAT 7240 (n,n') t:71-Lu-176g 72-Hf-179
 Radionuclide Production Cross Section 5.370 To 952.4 %



MAT 7240 (n,n') t:71-Lu-176m1 72-Hf-179
 Radionuclide Production Cross Section 30.31 To 735.3 %

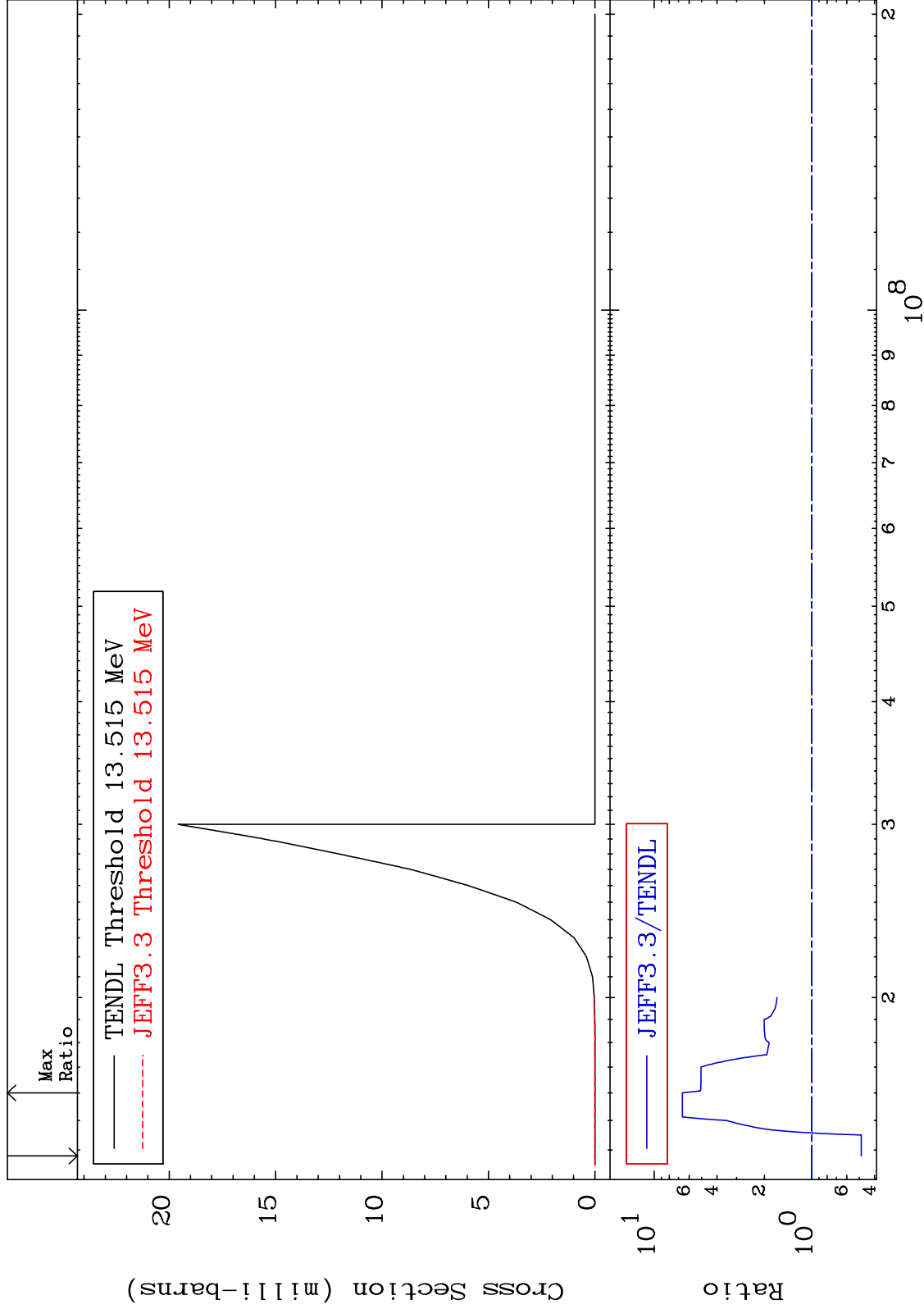


MAT 7240

(n,2n) p:71-Lu-177g

72-Hf-179

Radionuclide Production Cross Section -51.40 To 560.9 %

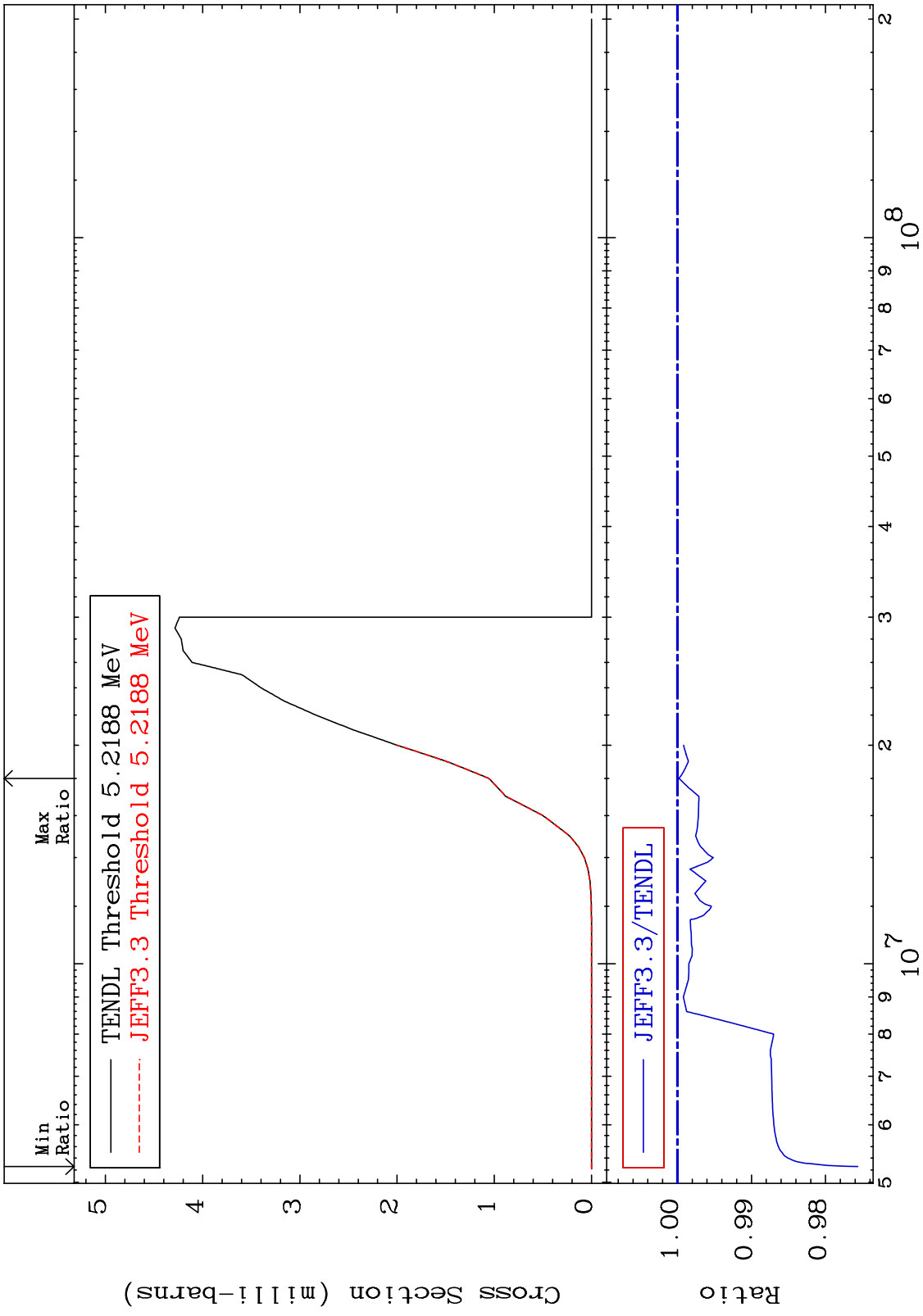


79

Incident Energy (eV)

72-Hf-179

MAT 7240 (n,d):71-Lu-178g 72-Hf-179
 Radionuclide Production Cross Section -2.436 To -0.022%

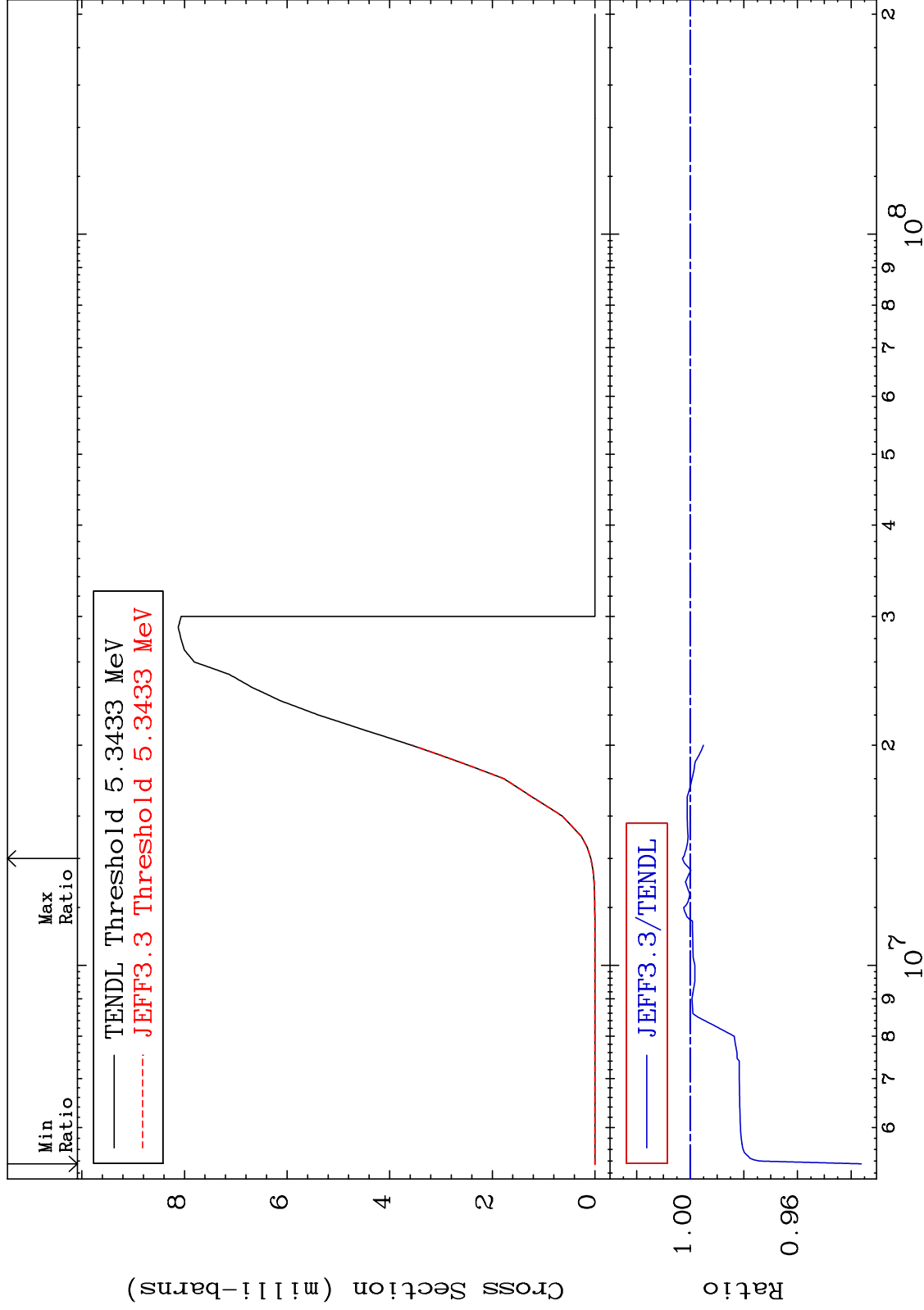


MAT 7240

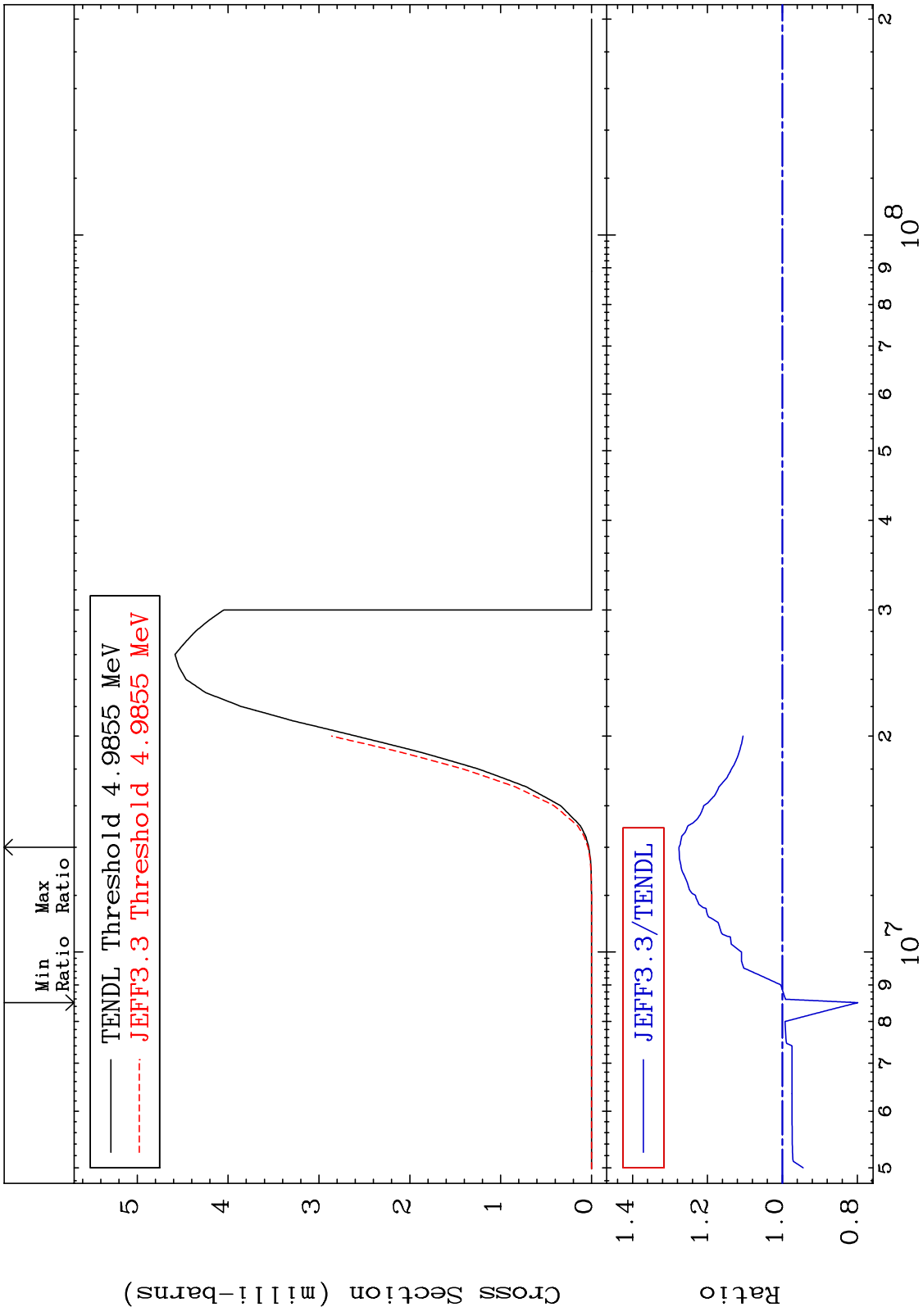
(n, d) : 71-Lu-178m3

72-Hf-179

Radionuclide Production Cross Section -6.380 To 0.292 %



MAT 7240 (n,t):71-Lu-177g 72-Hf-179
 Radionuclide Production Cross Section -20.16 To 27.59 %



MAT 7240 (n, He-3) : 70-Yb-177g 72-Hf-179
 Radionuclide Production Cross Section -5.730 To 9.508 %

