

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

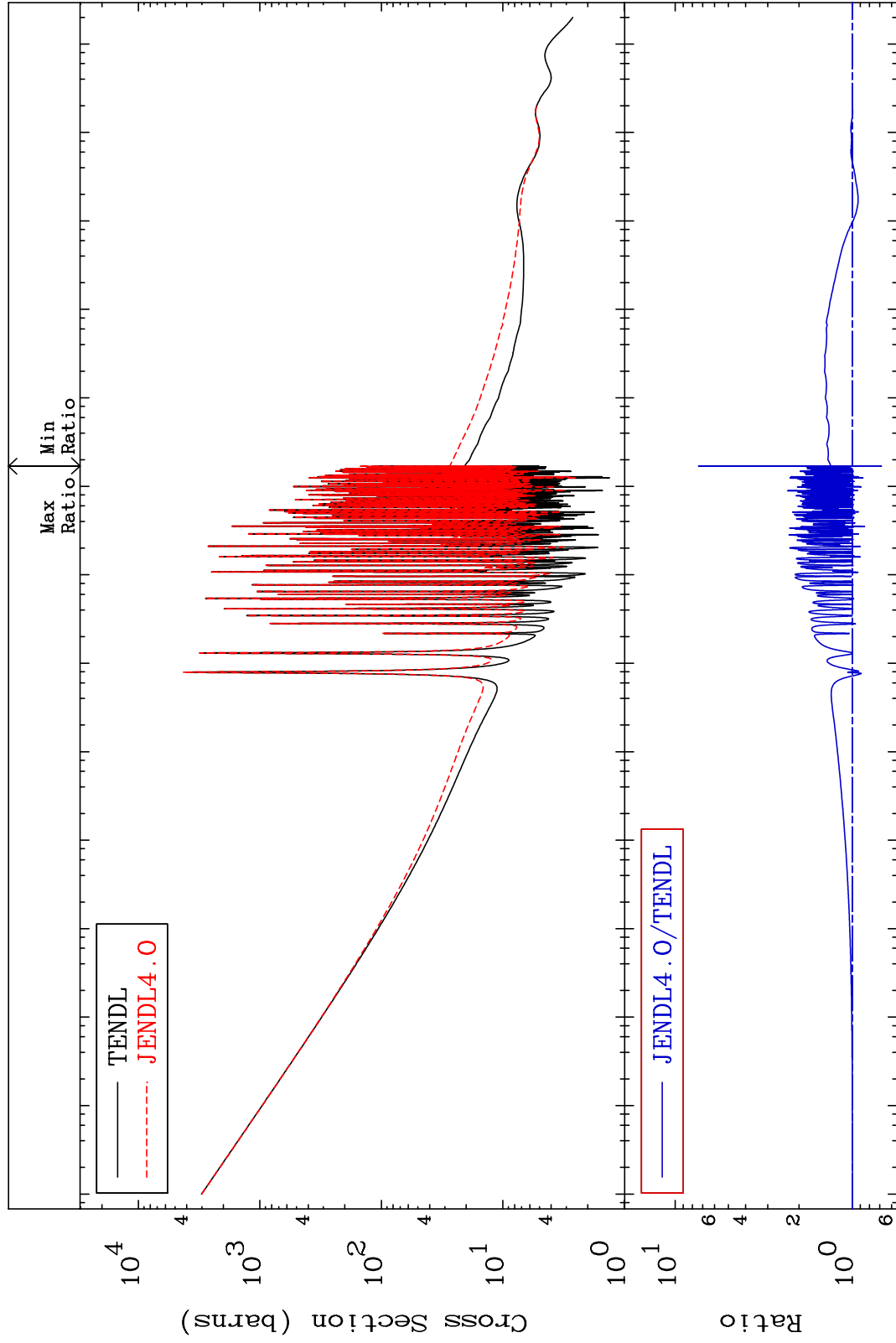
MAT 7034

Total

70-Yb-171

Cross Section

-31.71 To 636.1 %



Incident Energy (eV)

70-Yb-171

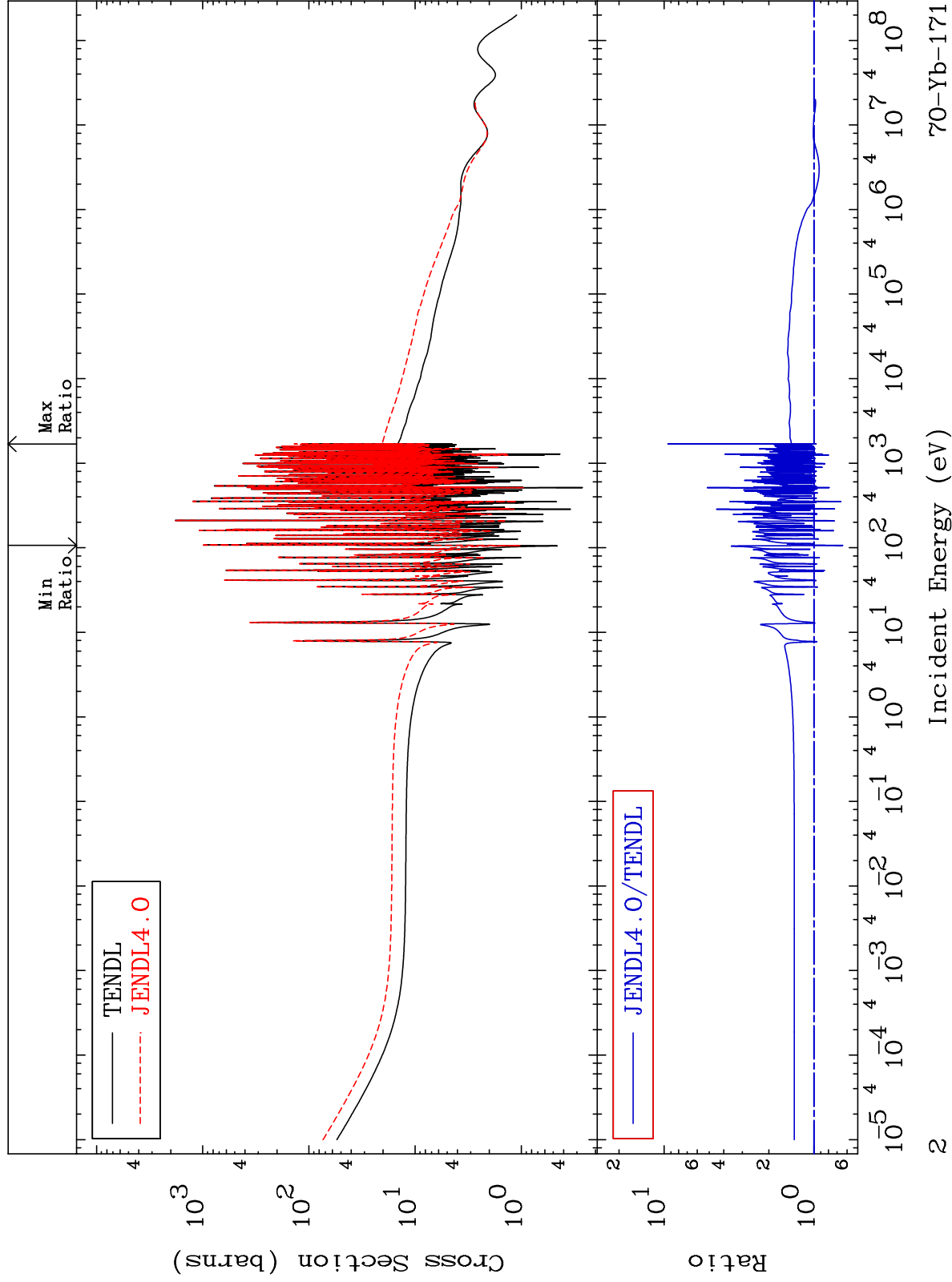
MAT 7034

Elastic

Cross Section

70-Yb-171

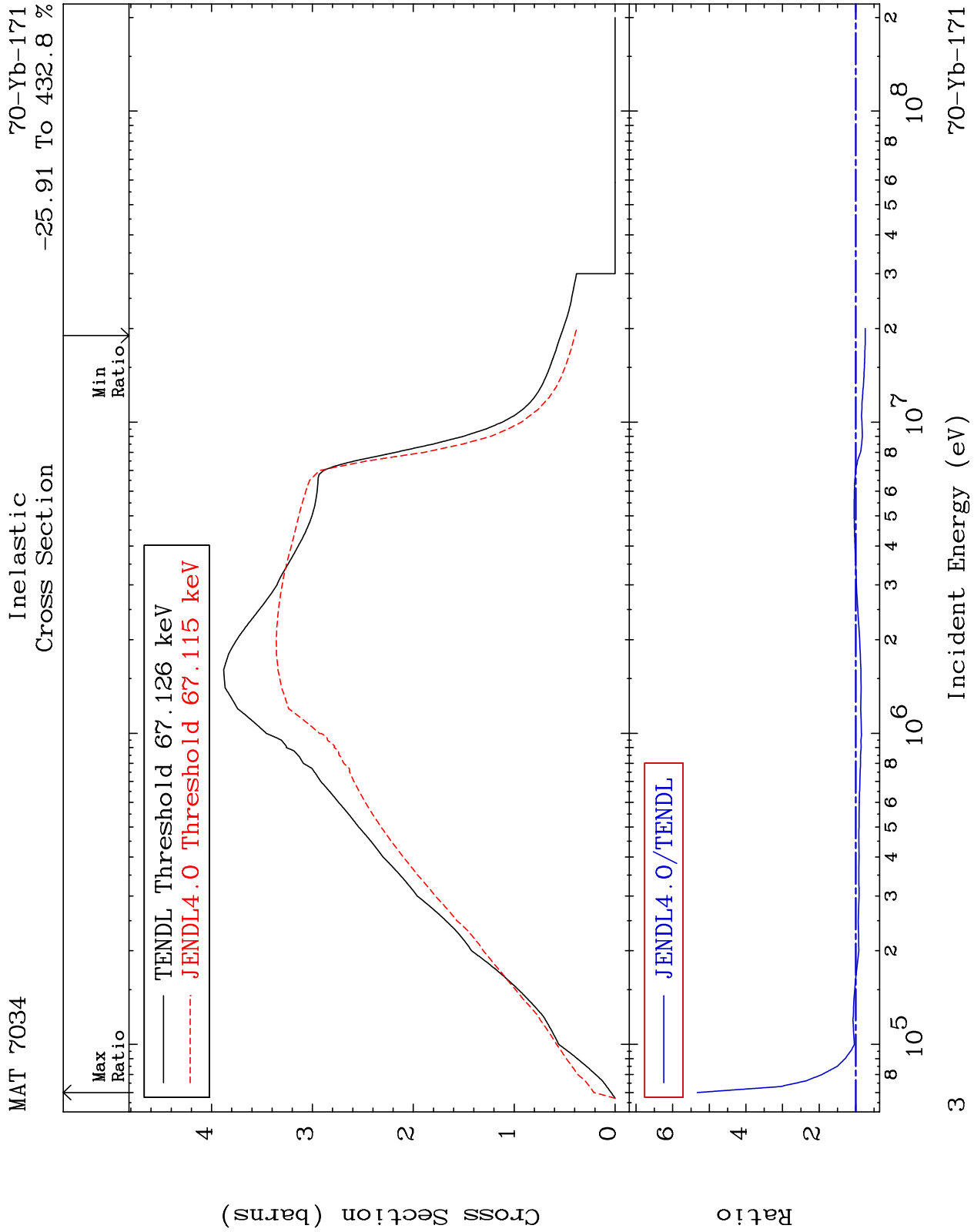
-35.93 To 840.8 %



70-Yb-171

Incident Energy (eV)

2



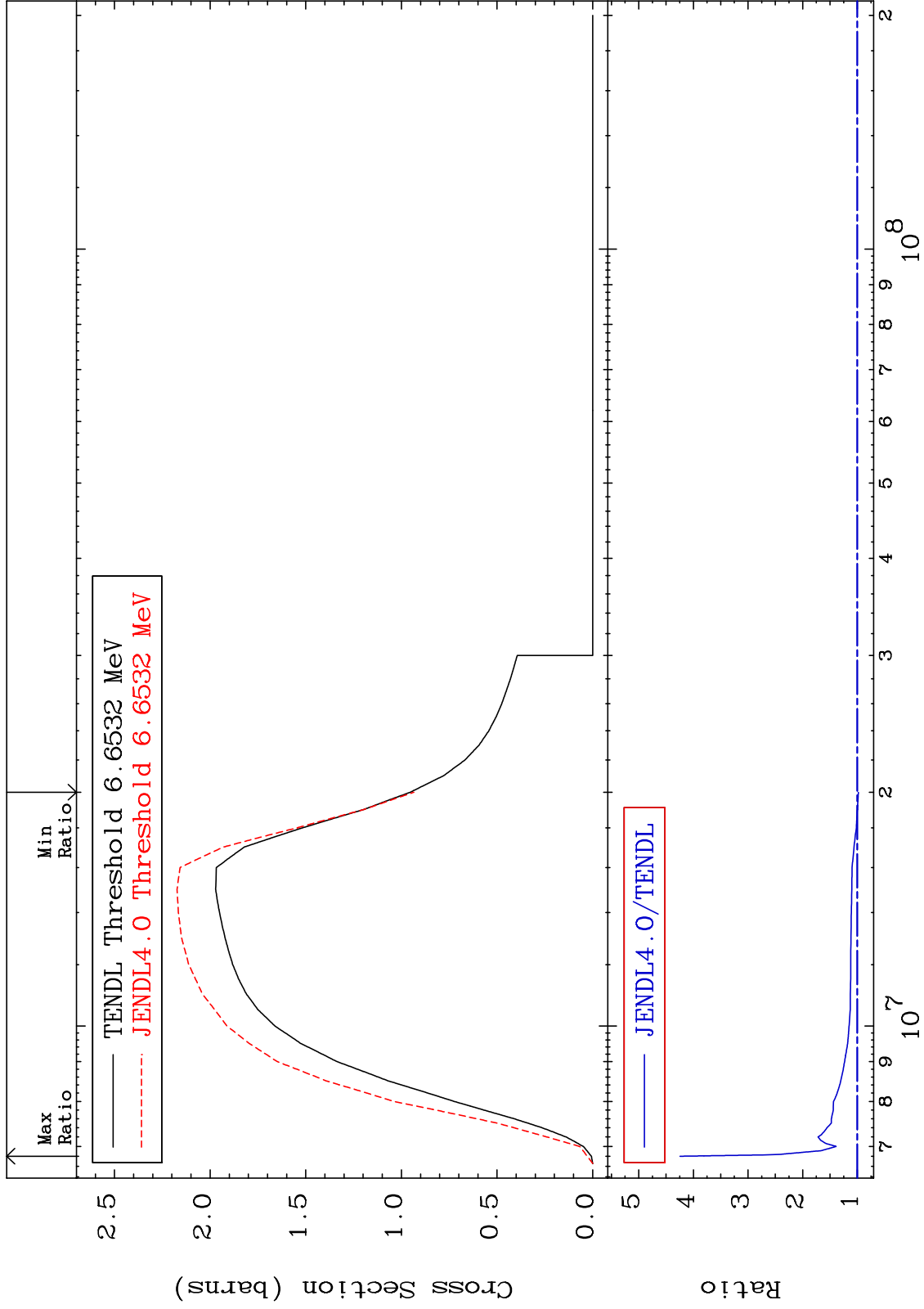
MAT 7034

(n,2n)

70-Yb-171

Cross Section

-1.960 To 324.4 %

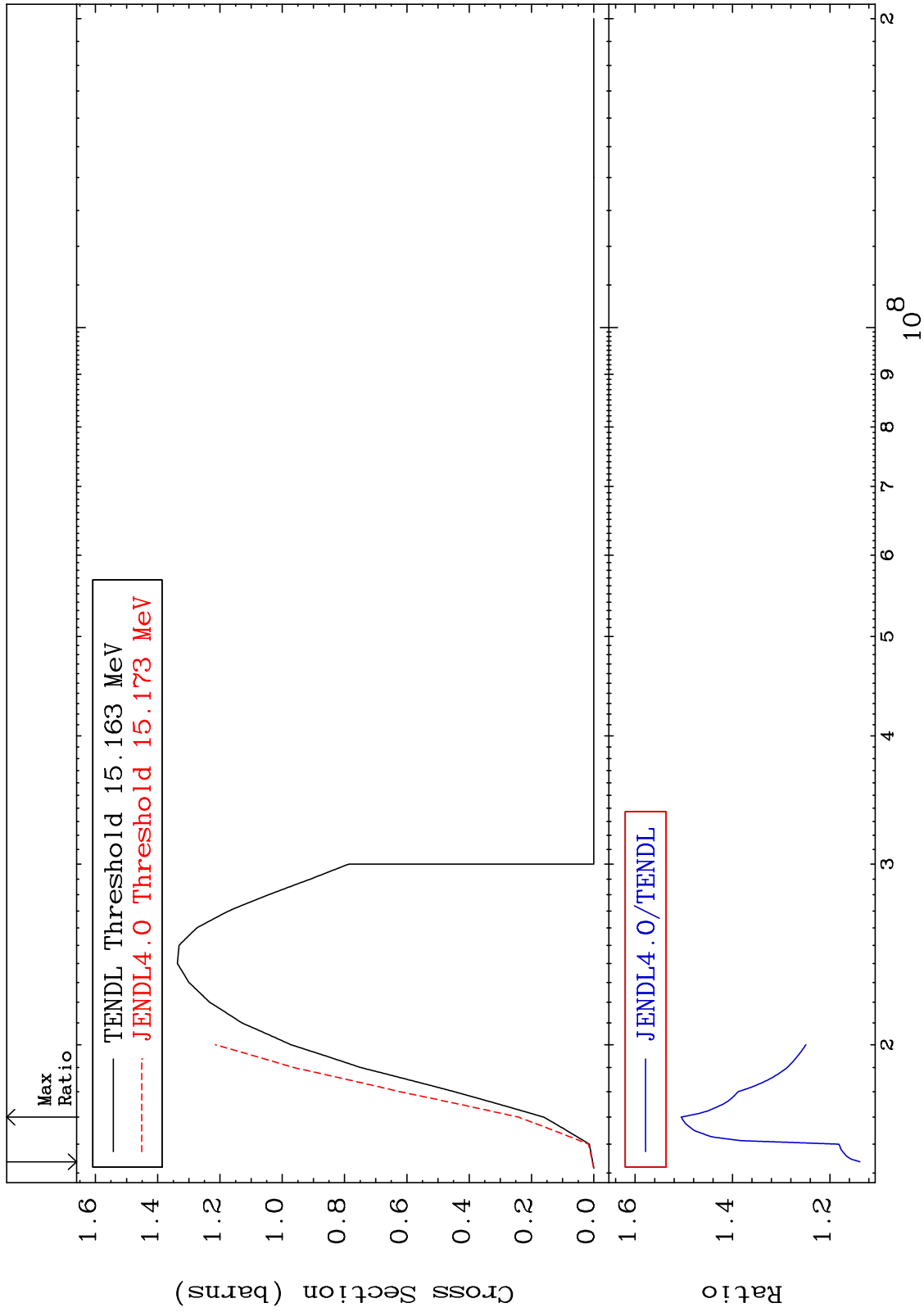


4

Incident Energy (eV)

70-Yb-171

MAT 7034 (n,3n) Cross Section 70-Yb-171
13.82 To 50.53 %

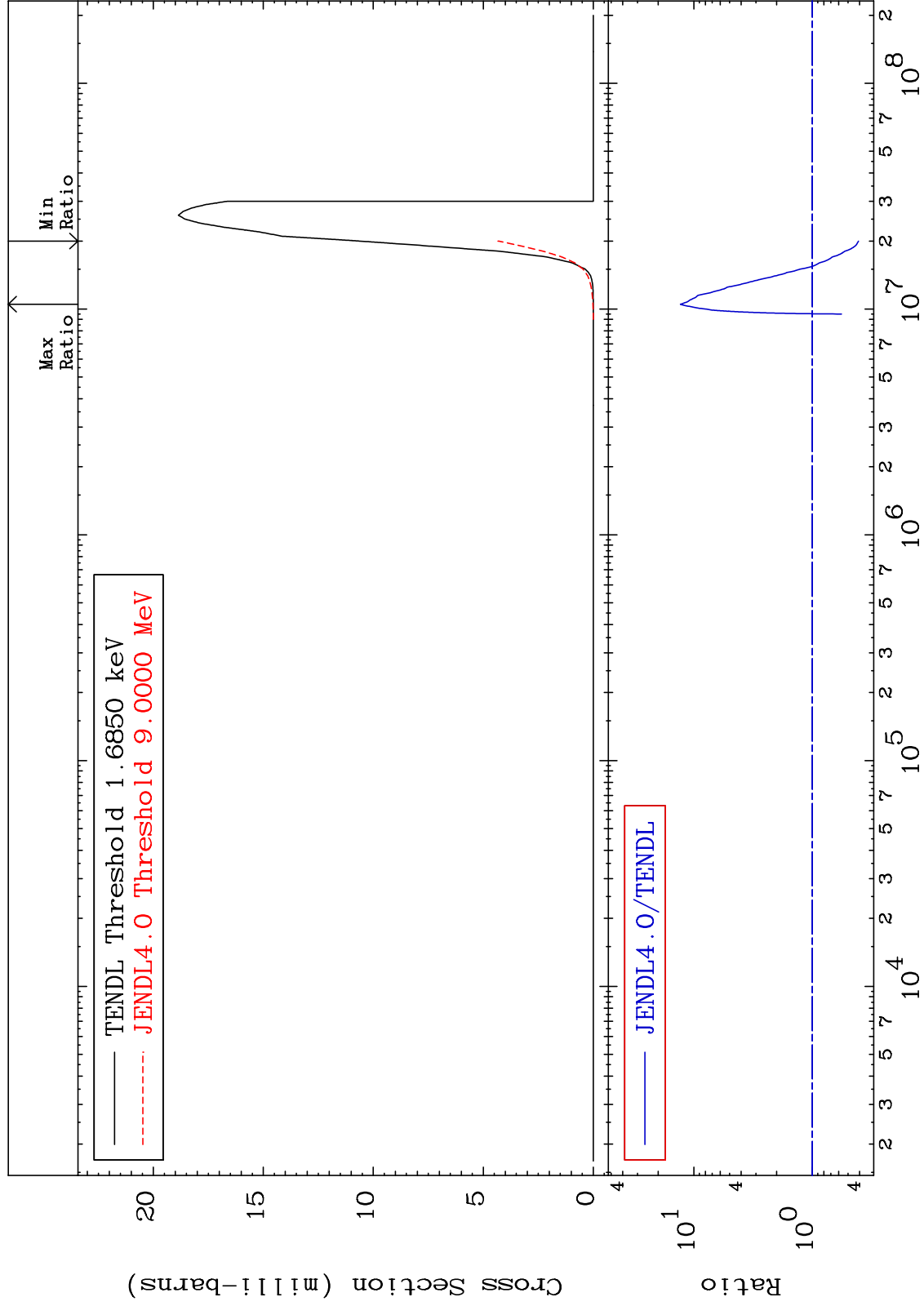


MAT 7034

(n, n') α

Cross Section

70-Yb-171
-59.23 To 1200. %



6

Incident Energy (eV)

70-Yb-171

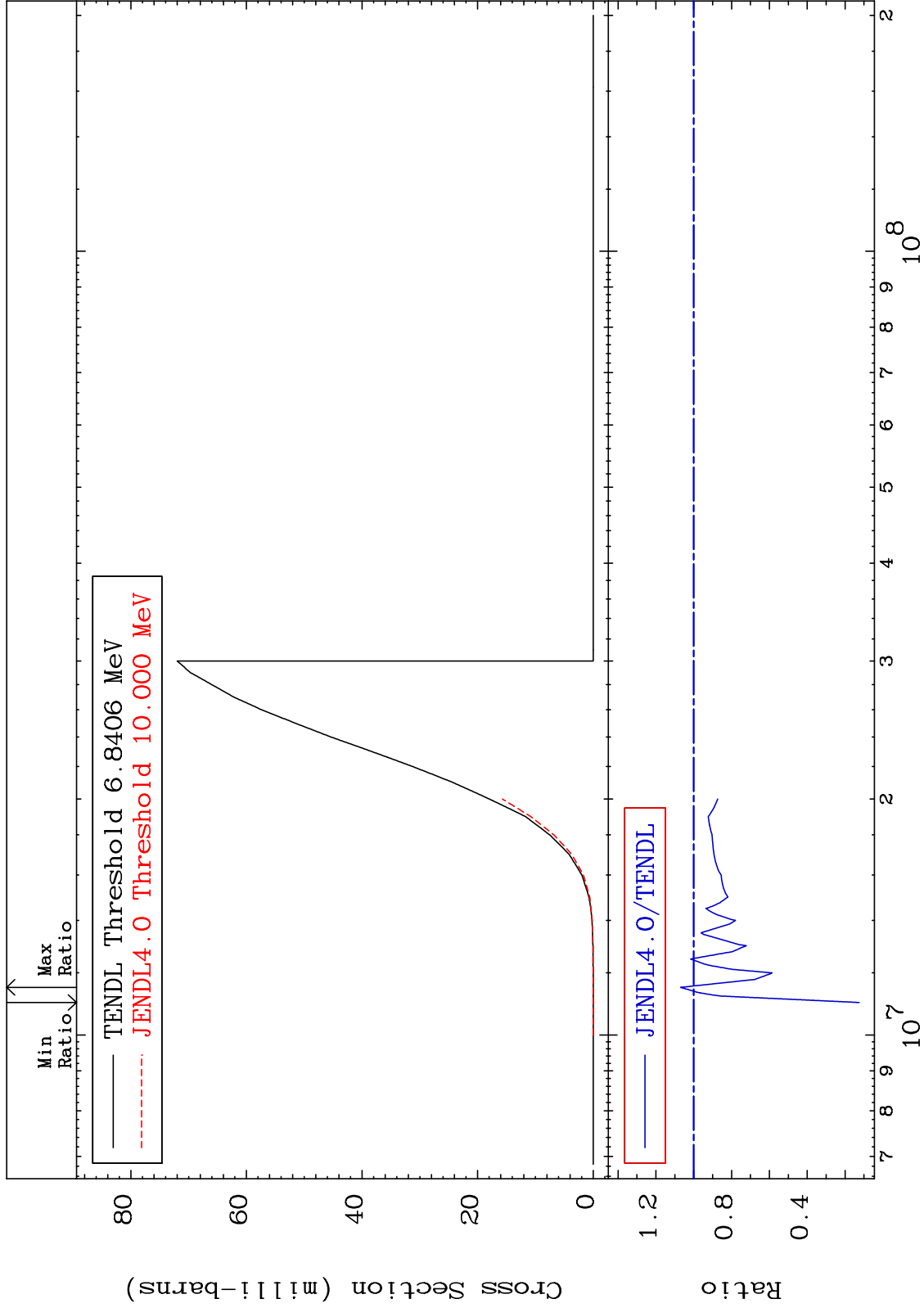
MAT 7034

(n,n') p

70-Yb-171

Cross Section

-87.46 To 6.932 %



7

Incident Energy (eV)

70-Yb-171

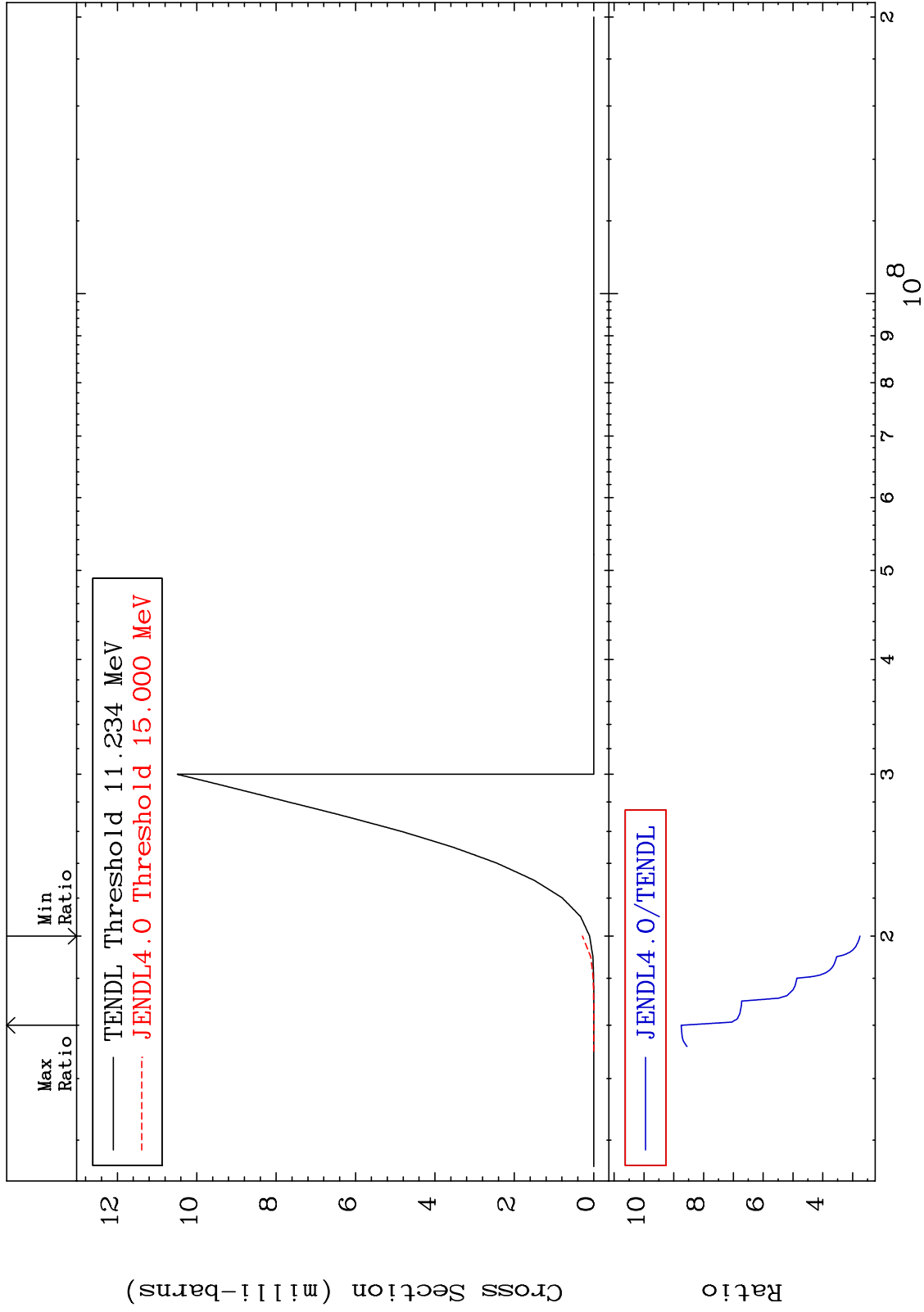
MAT 7034

(n,n') d

70-Yb-171

Cross Section

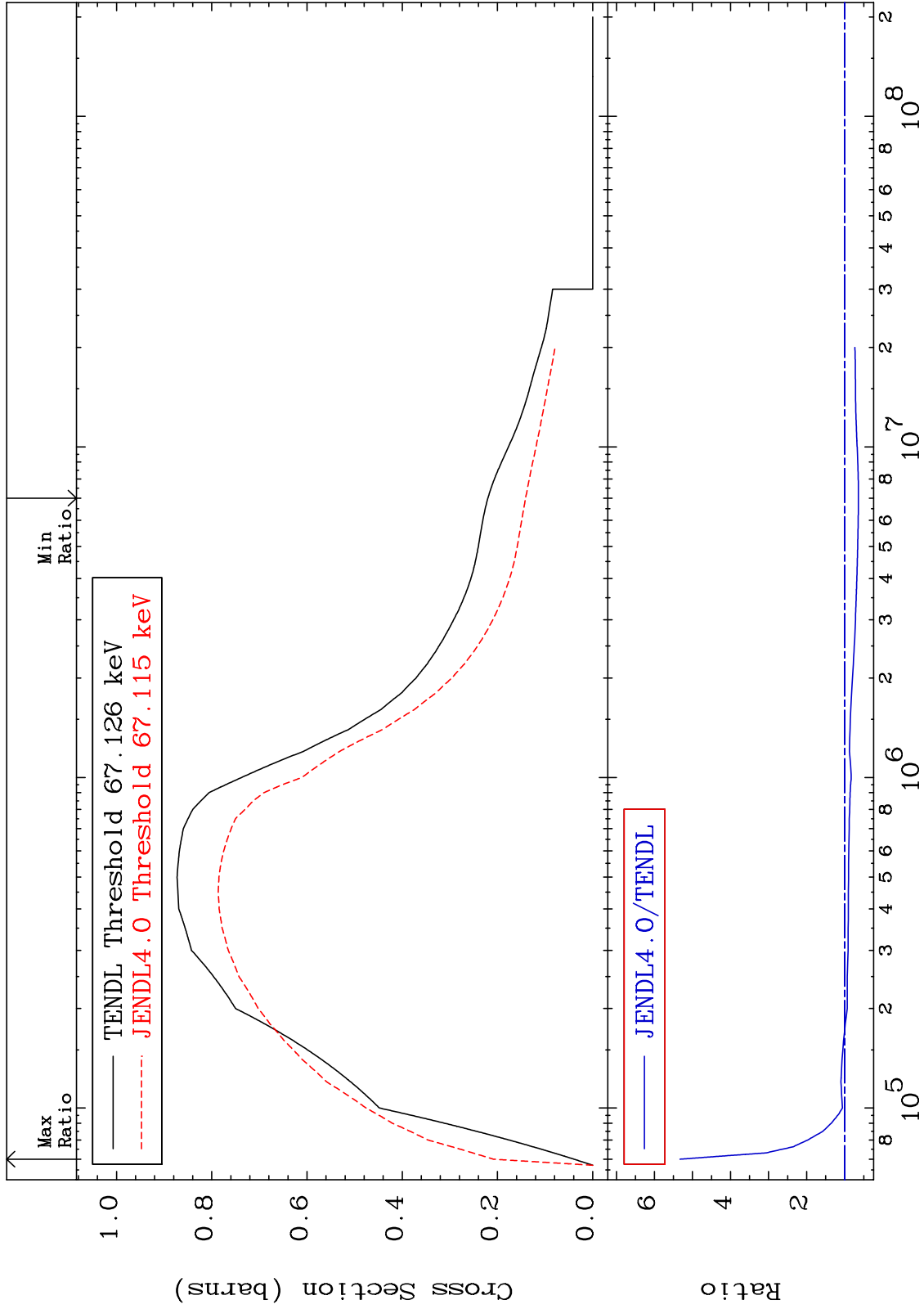
175.3 To 775.0 %



MAT 7034

MT= 51 (n,n') Level
Cross Section

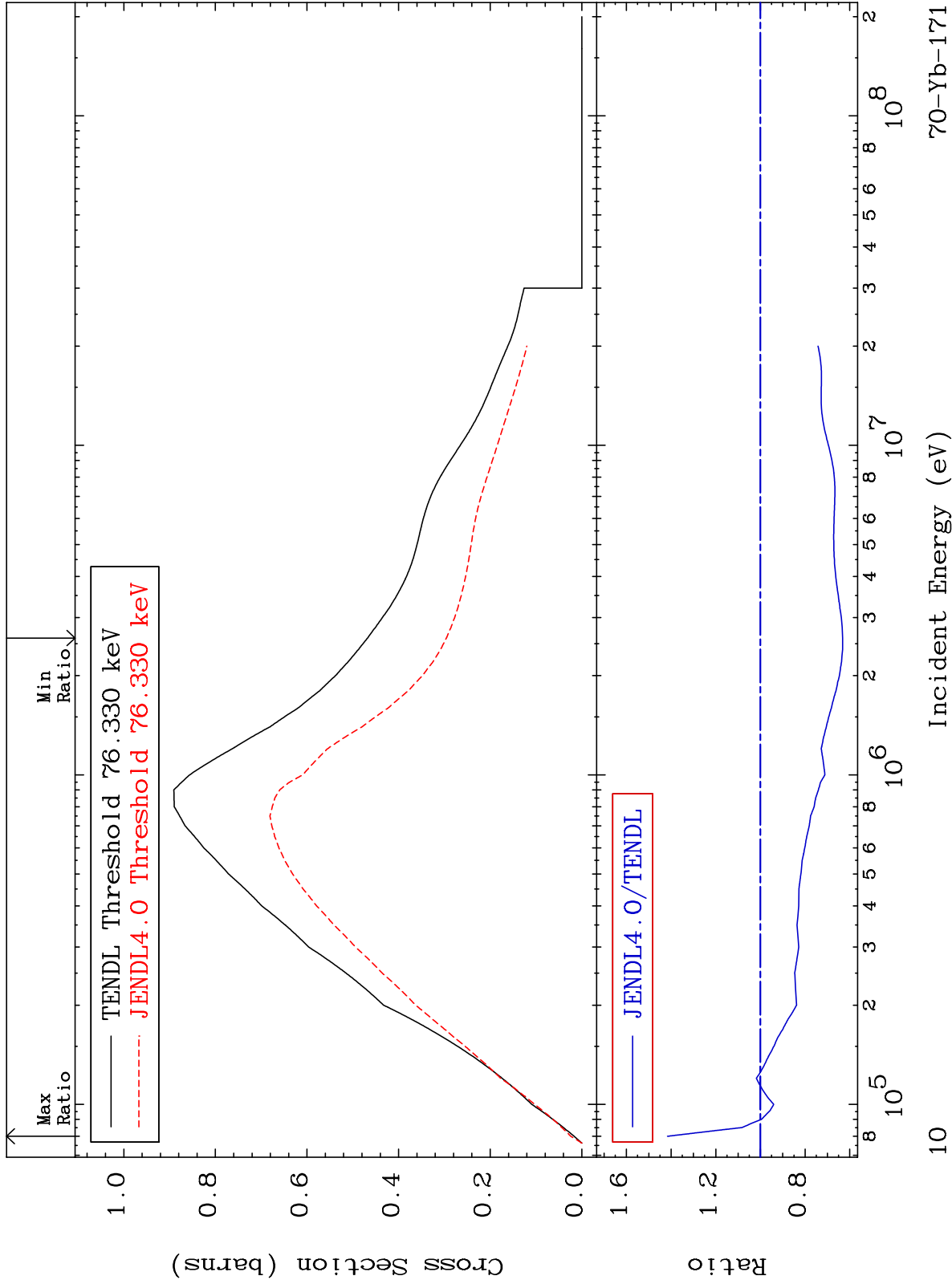
70-Yb-171
-35.97 To 432.8 %



MAT 7034

MT= 52 (n,n') Level
Cross Section

70-Yb-171
-36.82 To 41.59 %

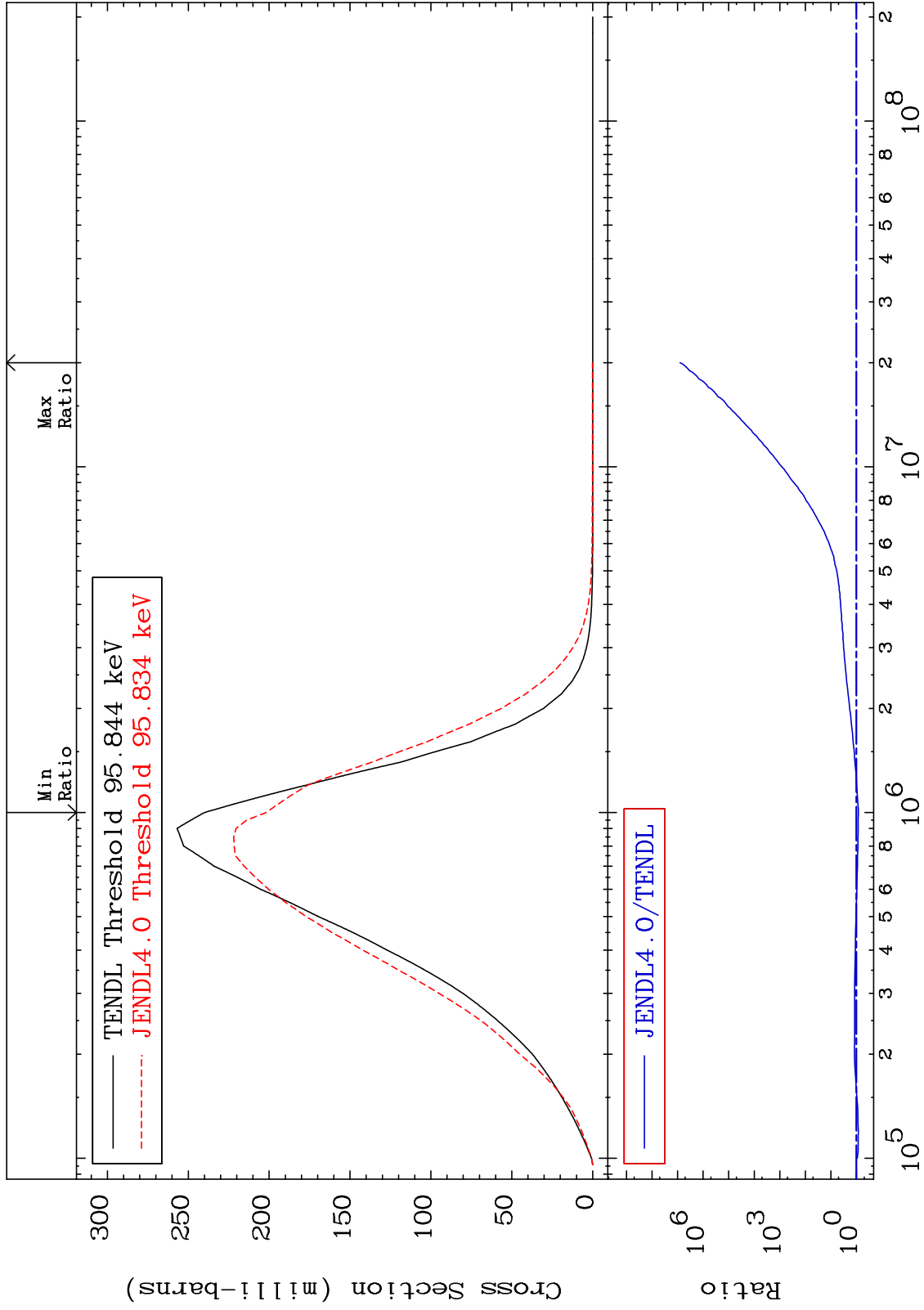


70-Yb-171

MAT 7034

MT= 53 (n,n') Level
Cross Section

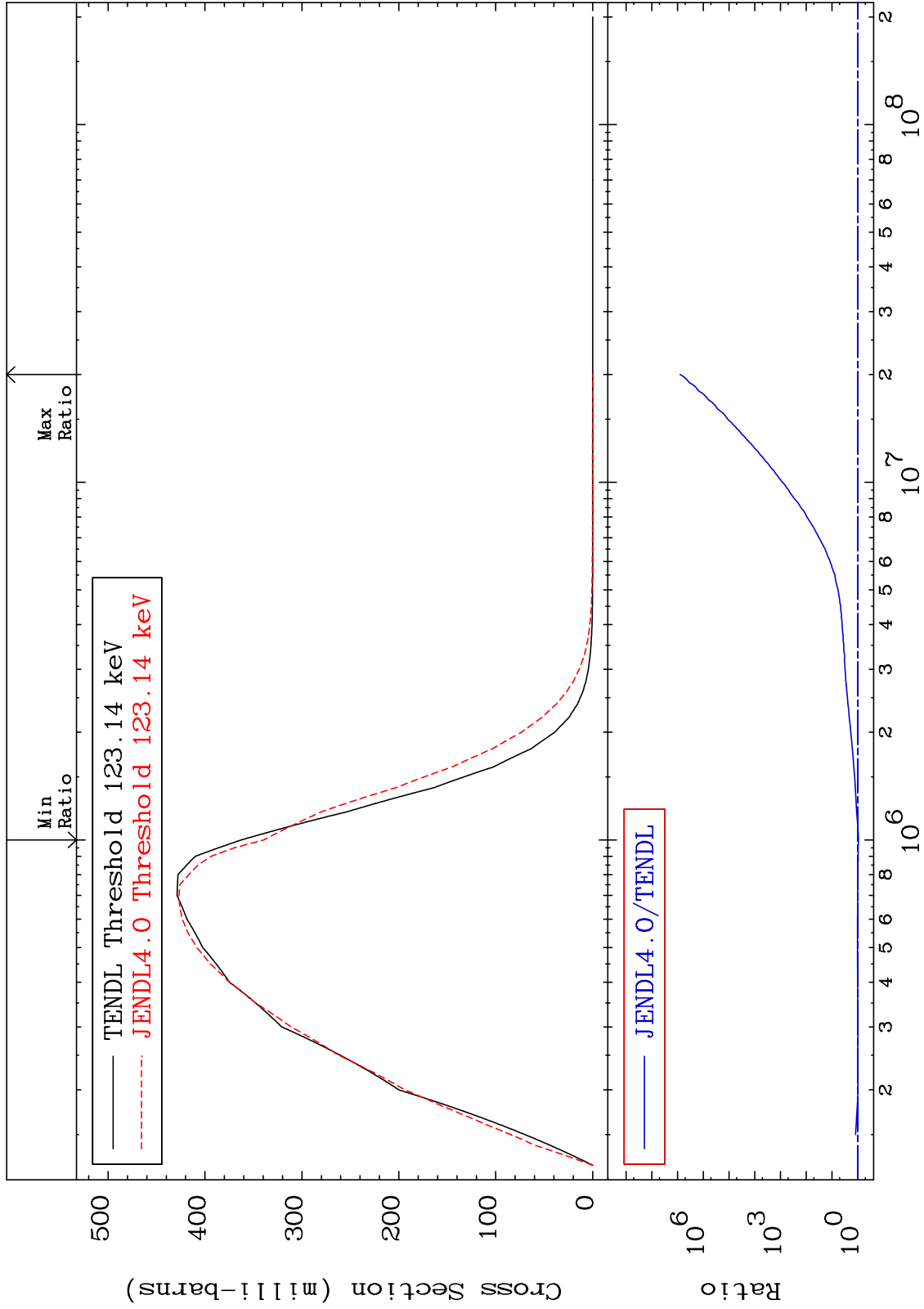
70-Yb-171
-15.91 To 9999. %



MAT 7034

MT= 54 (n,n') Level
Cross Section

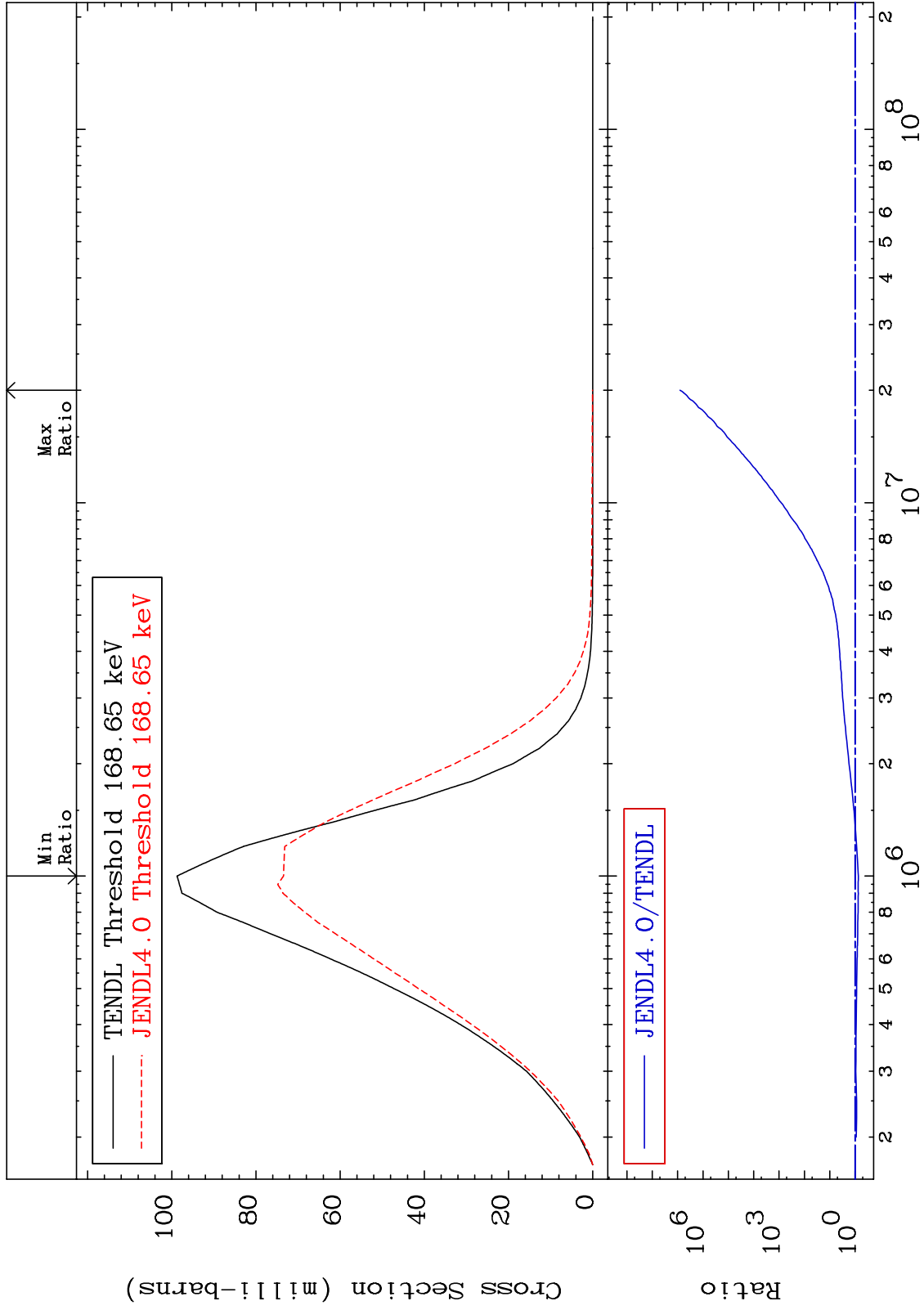
70-Yb-171
-6.377 To 9999. %



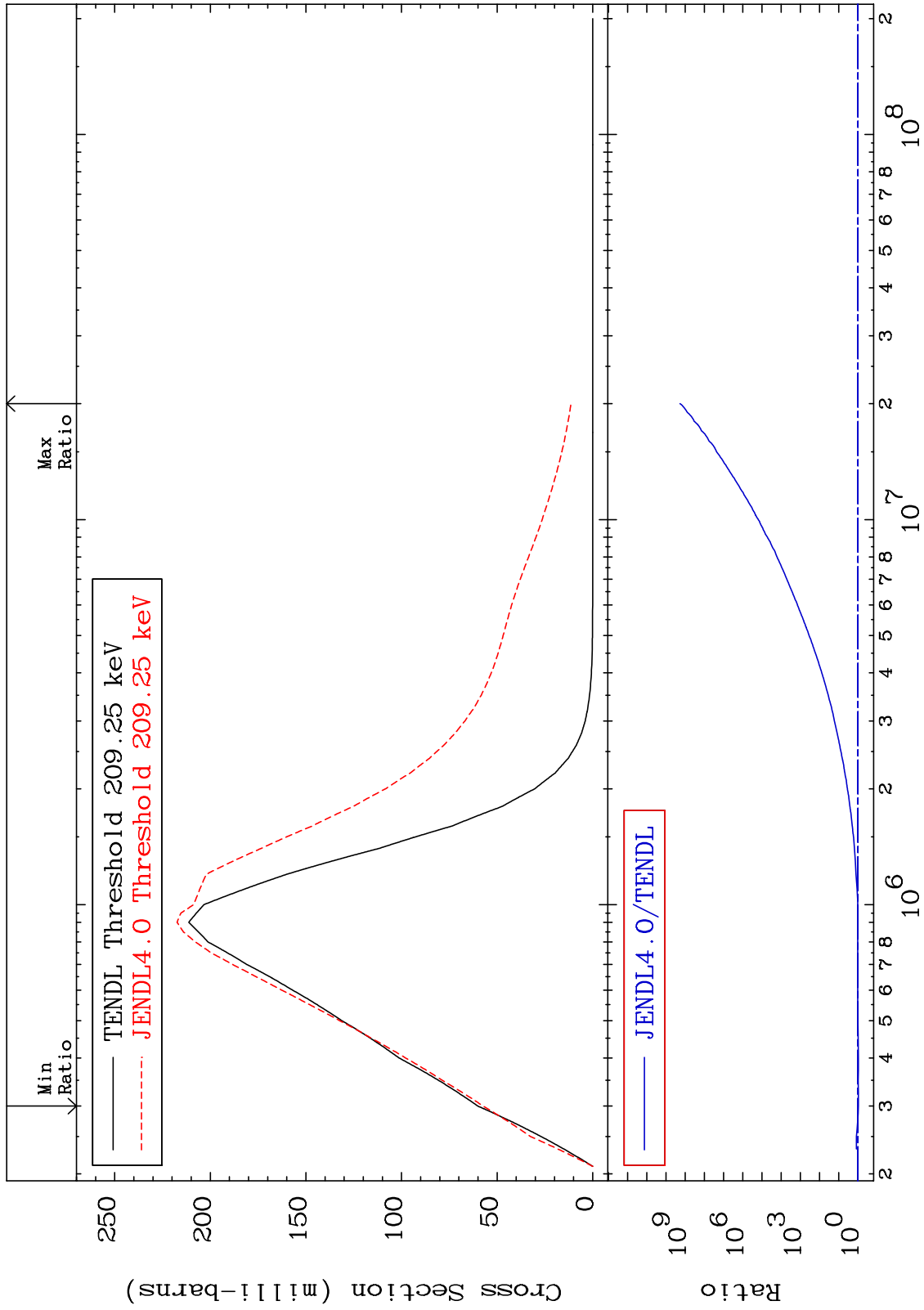
MAT 7034

MT= 55 (n,n') Level
Cross Section

70-Yb-171
-25.62 To 9999. %



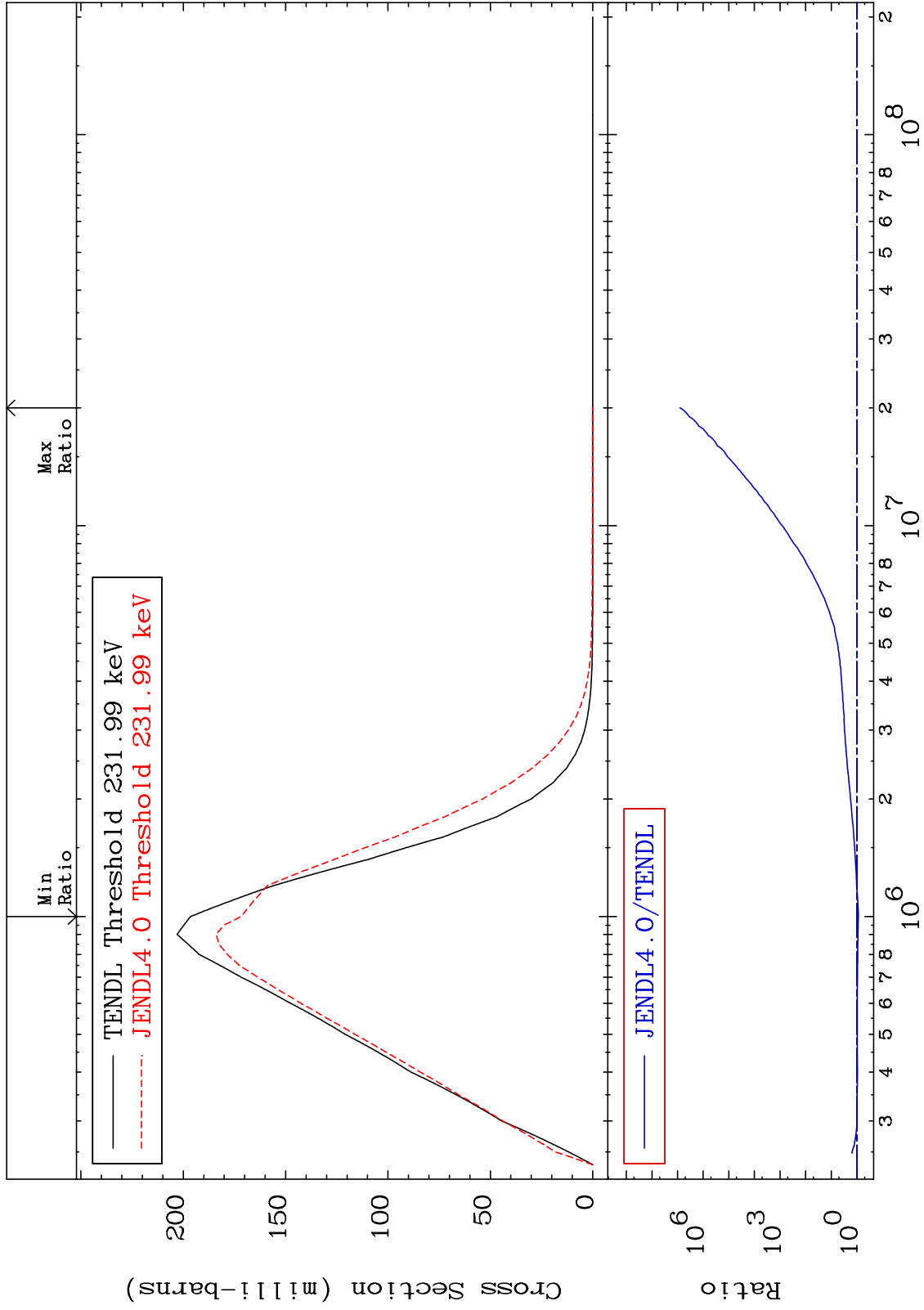
MAT 7034 MT= 56 (n,n') Level 70-Yb-171
 Cross Section -4.548 To 9999. %



MAT 7034

MT= 57 (n,n') Level
Cross Section

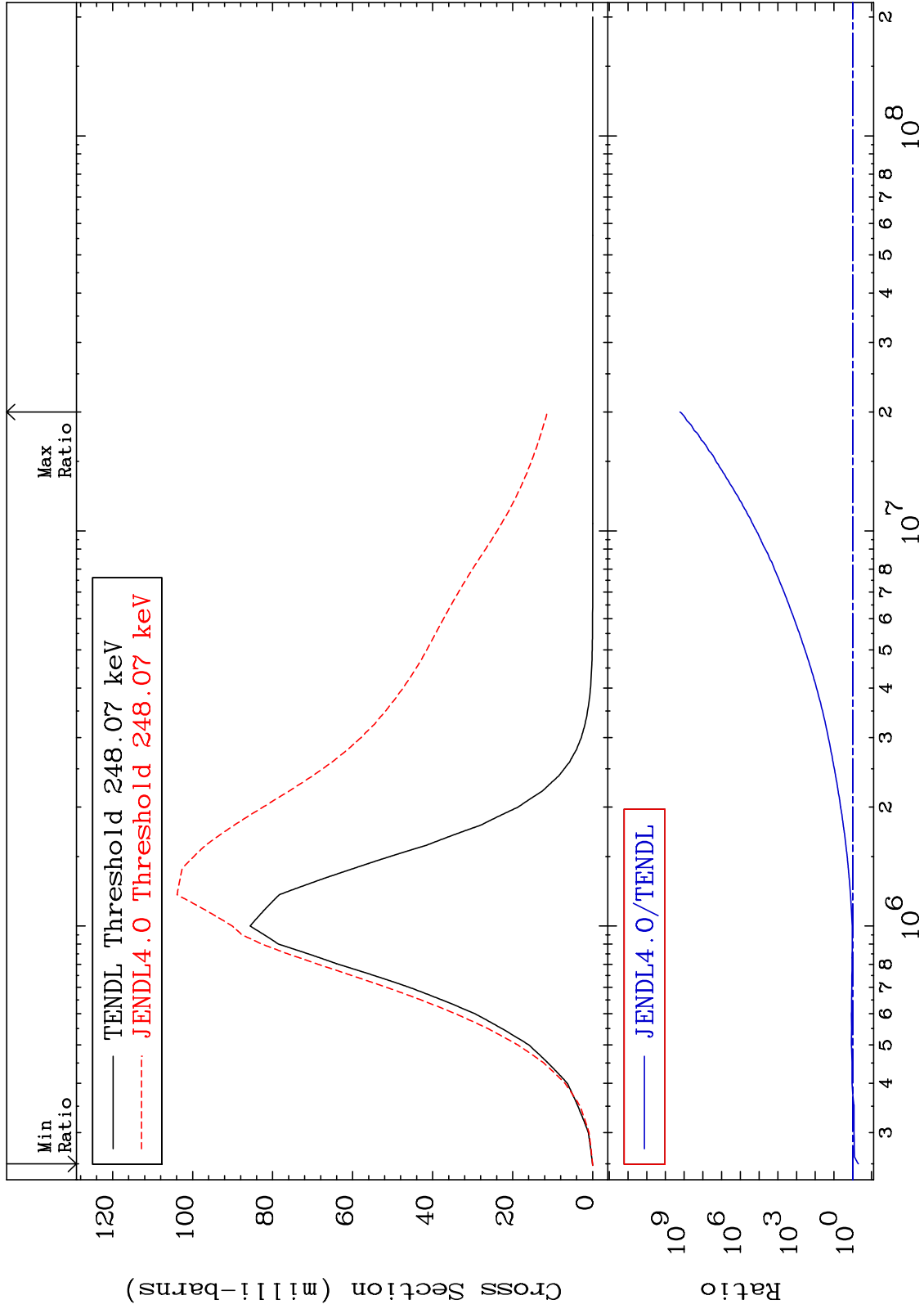
70-Yb-171
-12.57 To 9999. %



MAT 7034

MT= 58 (n,n') Level
Cross Section

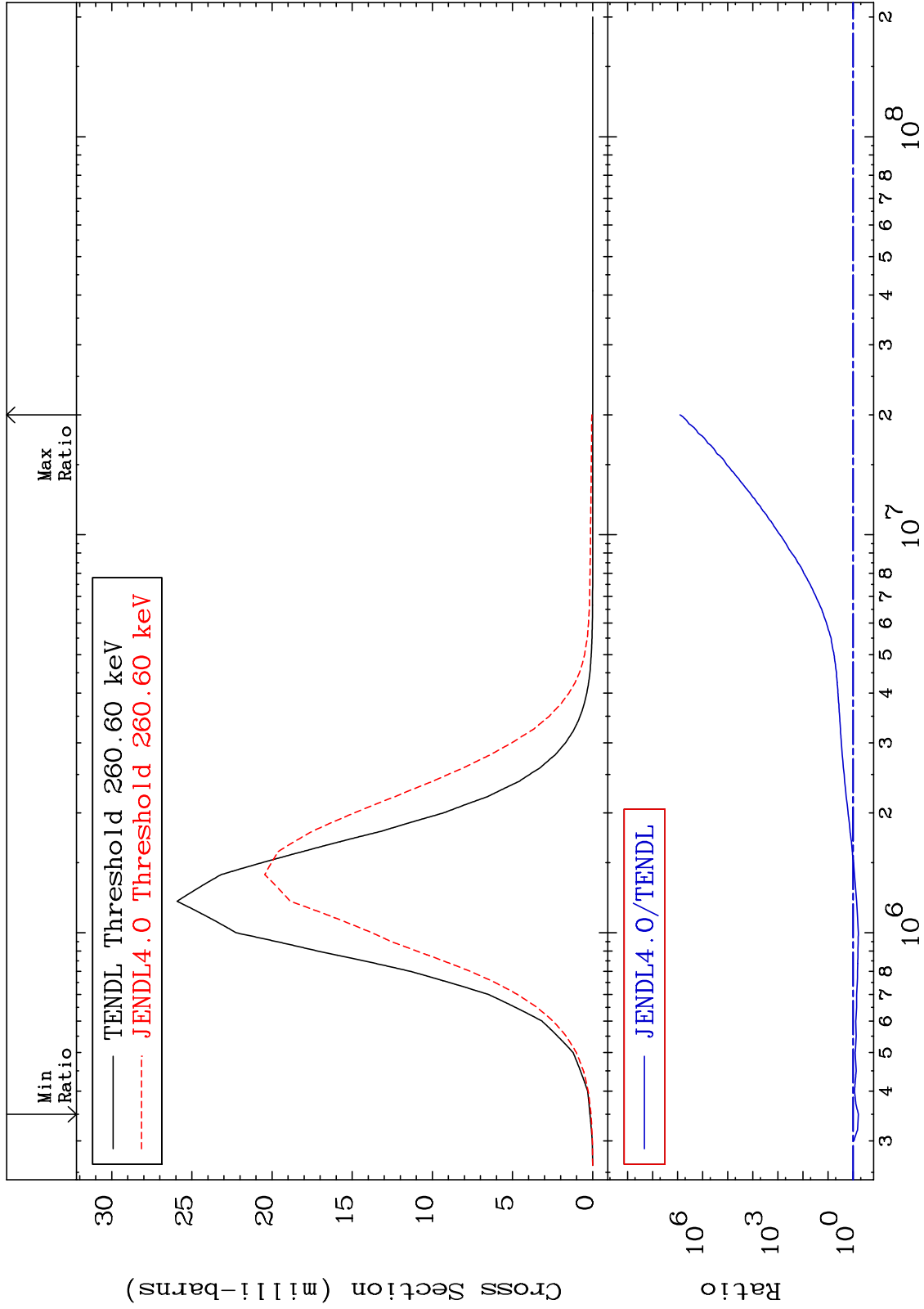
70-Yb-171
-50.38 To 9999. %



MAT 7034

MT= 59 (n,n') Level
Cross Section

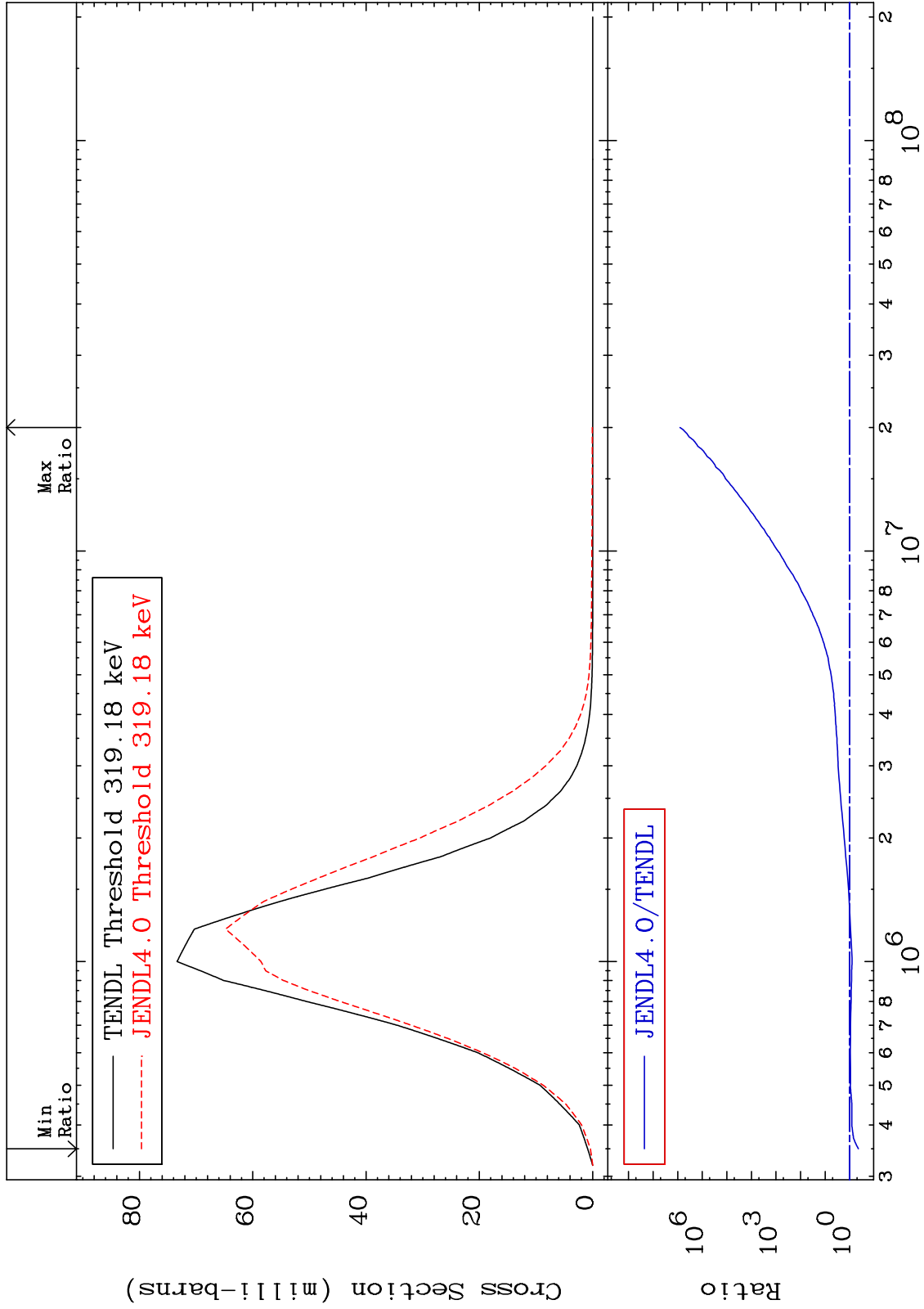
70-Yb-171
-38.33 To 9999. %



MAT 7034

MT= 60 (n,n') Level
Cross Section

70-Yb-171
-55.67 To 9999. %



18

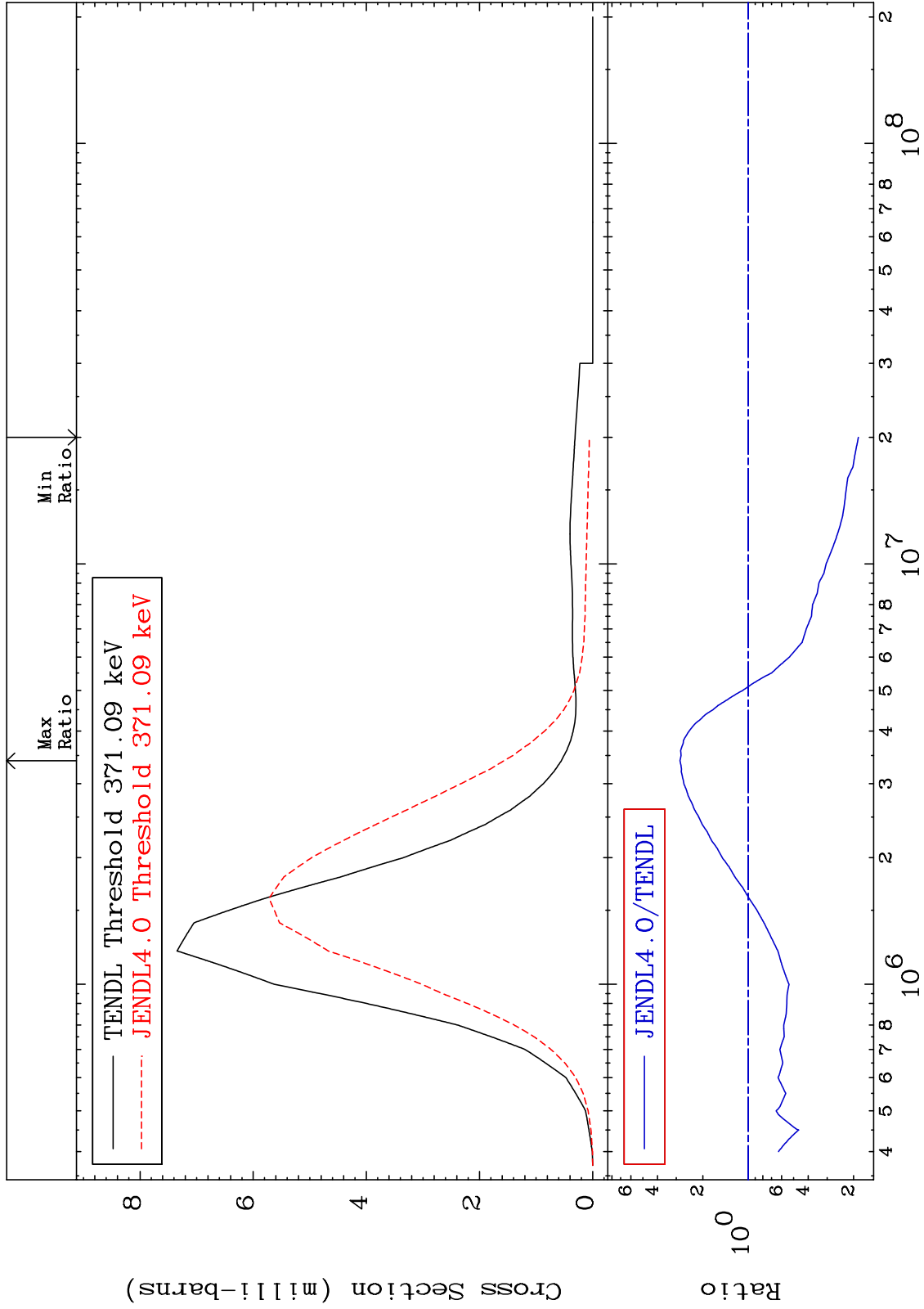
Incident Energy (eV)

70-Yb-171

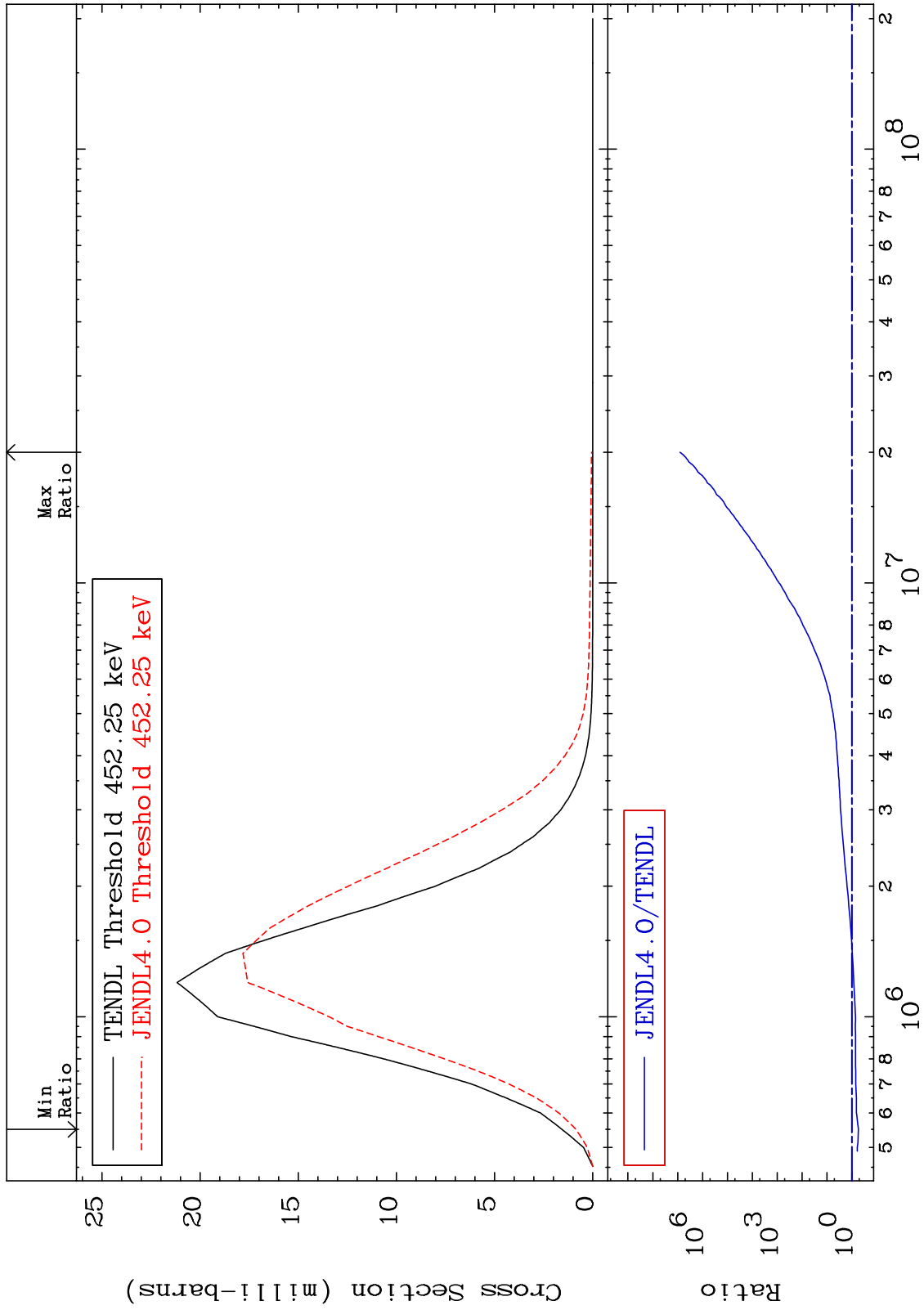
MAT 7034

MT= 61 (n,n') Level
Cross Section

70-Yb-171
-81.40 To 183.2 %



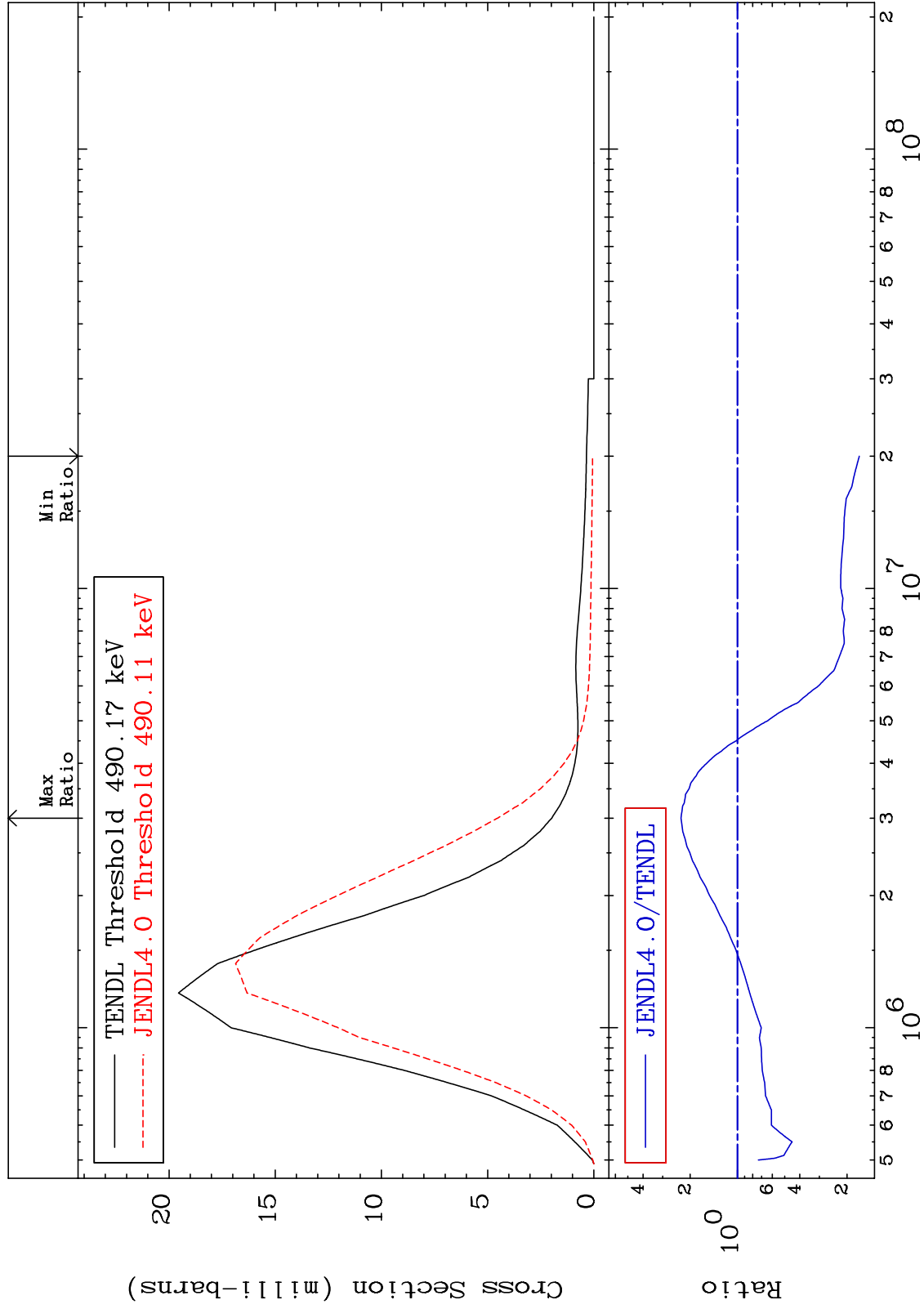
MAT 7034 MT= 62 (n,n') Level Cross Section -45.78 To 9999. % 70-Yb-171



MAT 7034

MT= 63 (n,n') Level
Cross Section

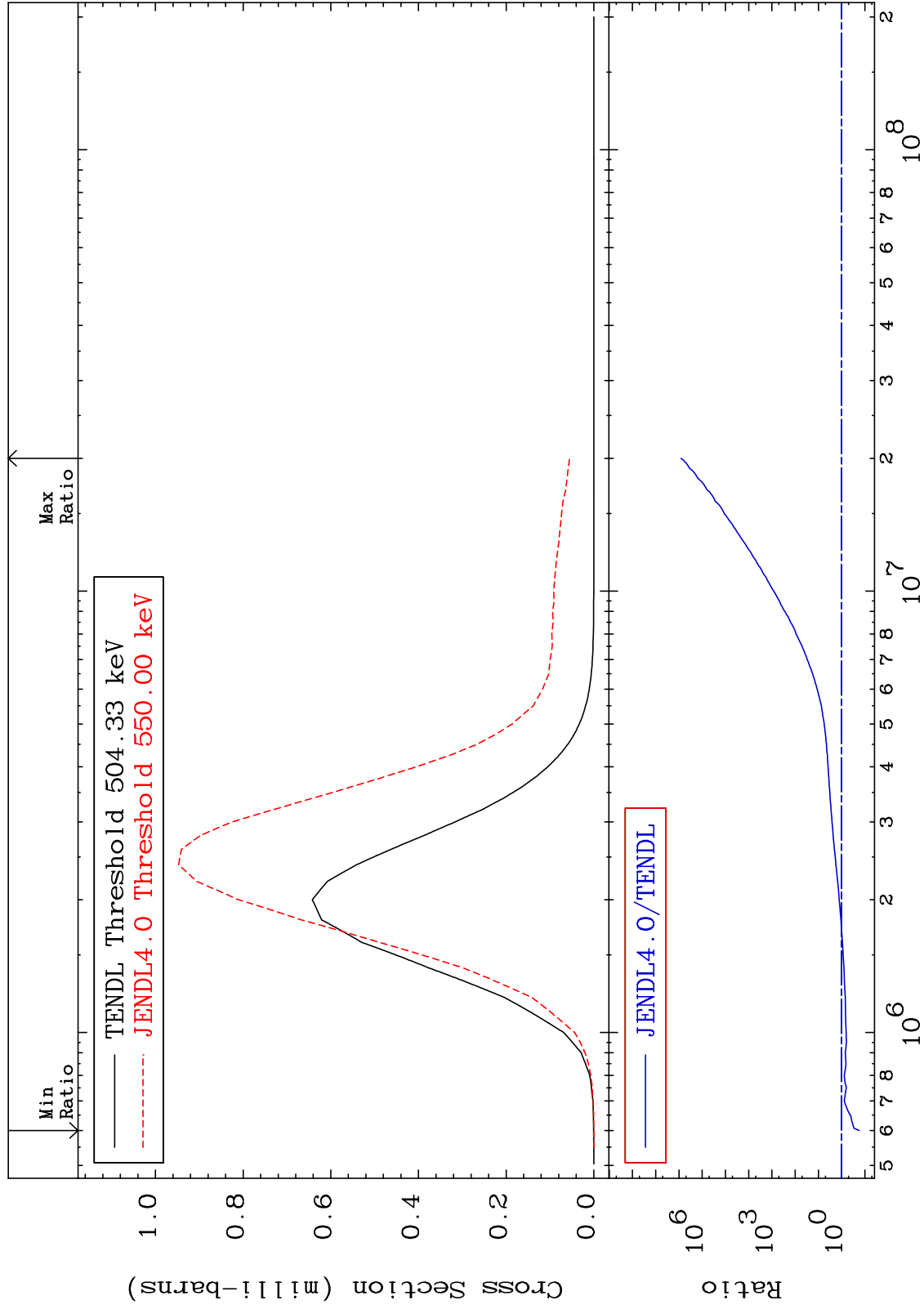
70-Yb-171
-83.30 To 128.9 %



MAT 7034

MT= 64 (n,n') Level
Cross Section

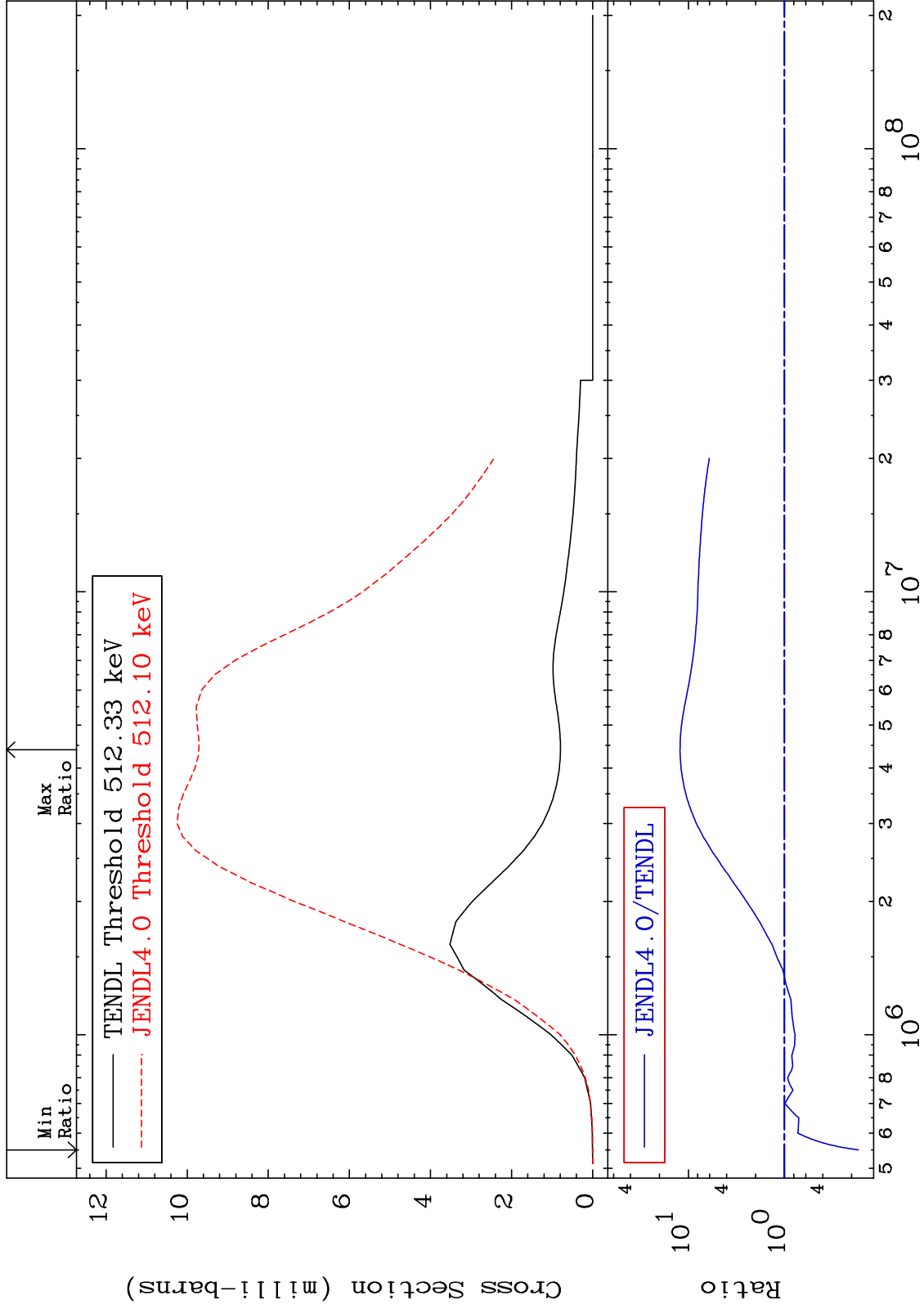
70-Yb-171
-82.58 To 9999. %



MAT 7034

MT= 65 (n,n') Level
Cross Section

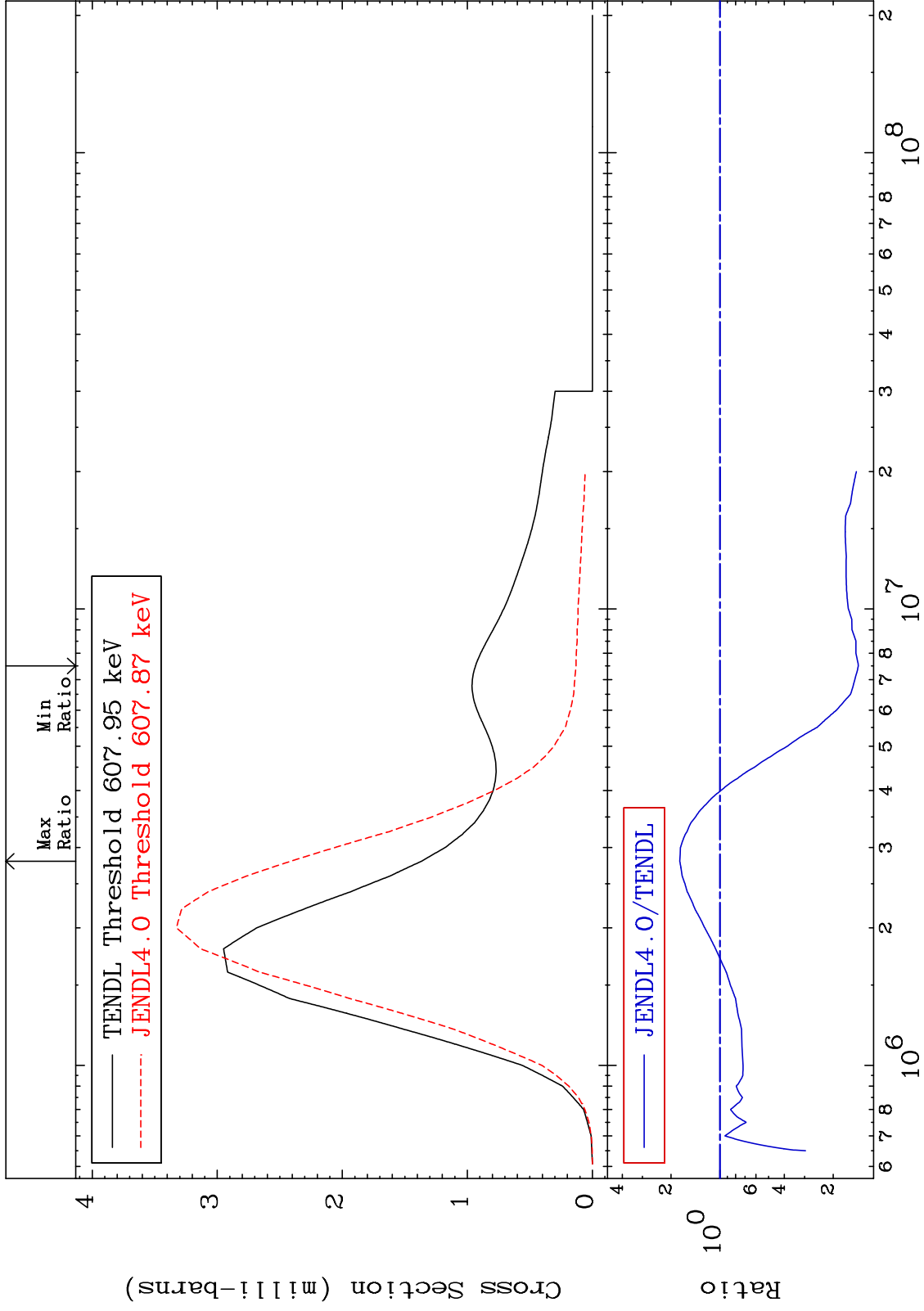
70-Yb-171
-82.99 To 1122. %



MAT 7034

MT= 66 (n,n') Level
Cross Section

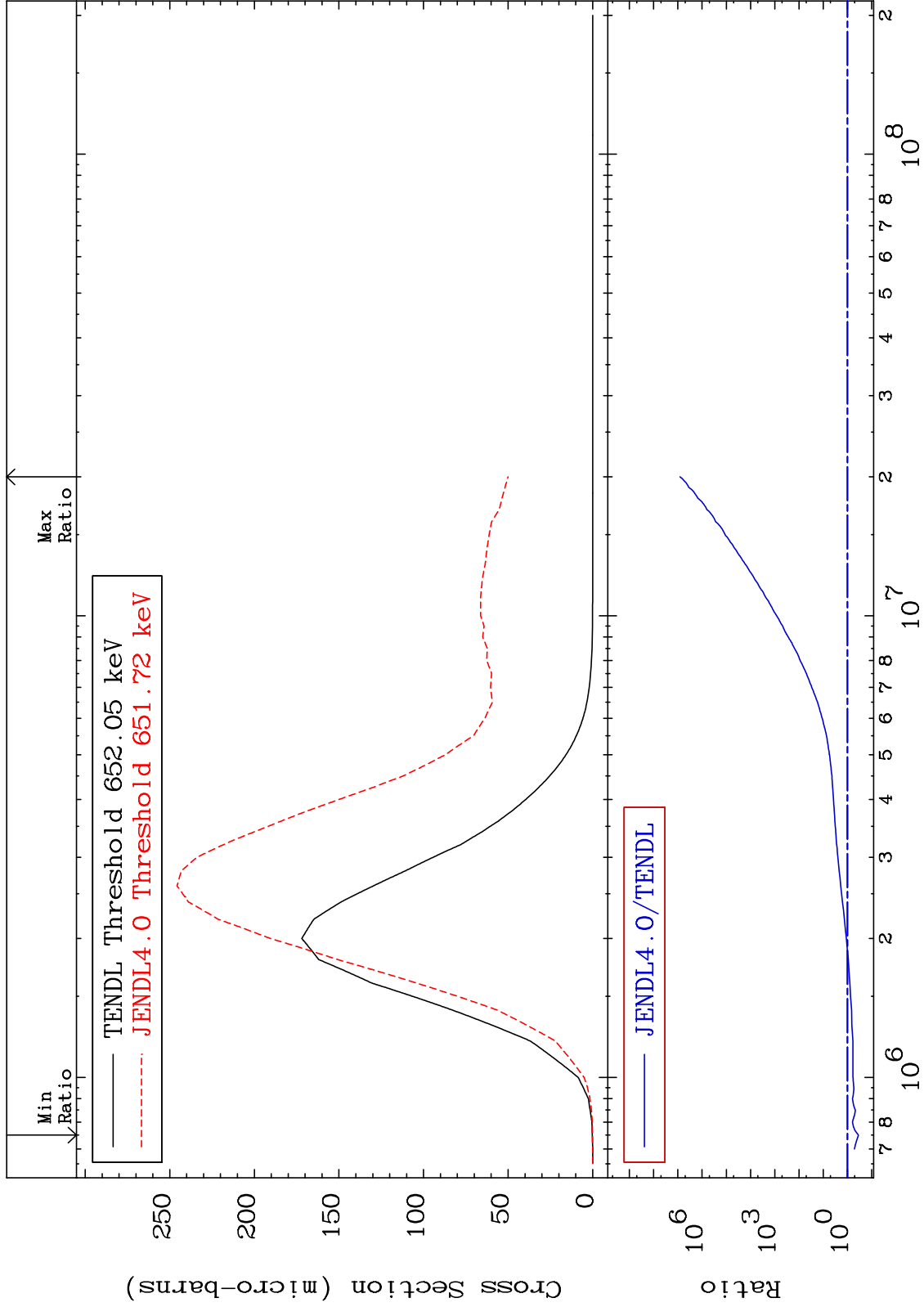
70-Yb-171
-86.00 To 76.62 %



MAT 7034

MT= 67 (n,n') Level
Cross Section

70-Yb-171
-64.66 To 9999. %



25

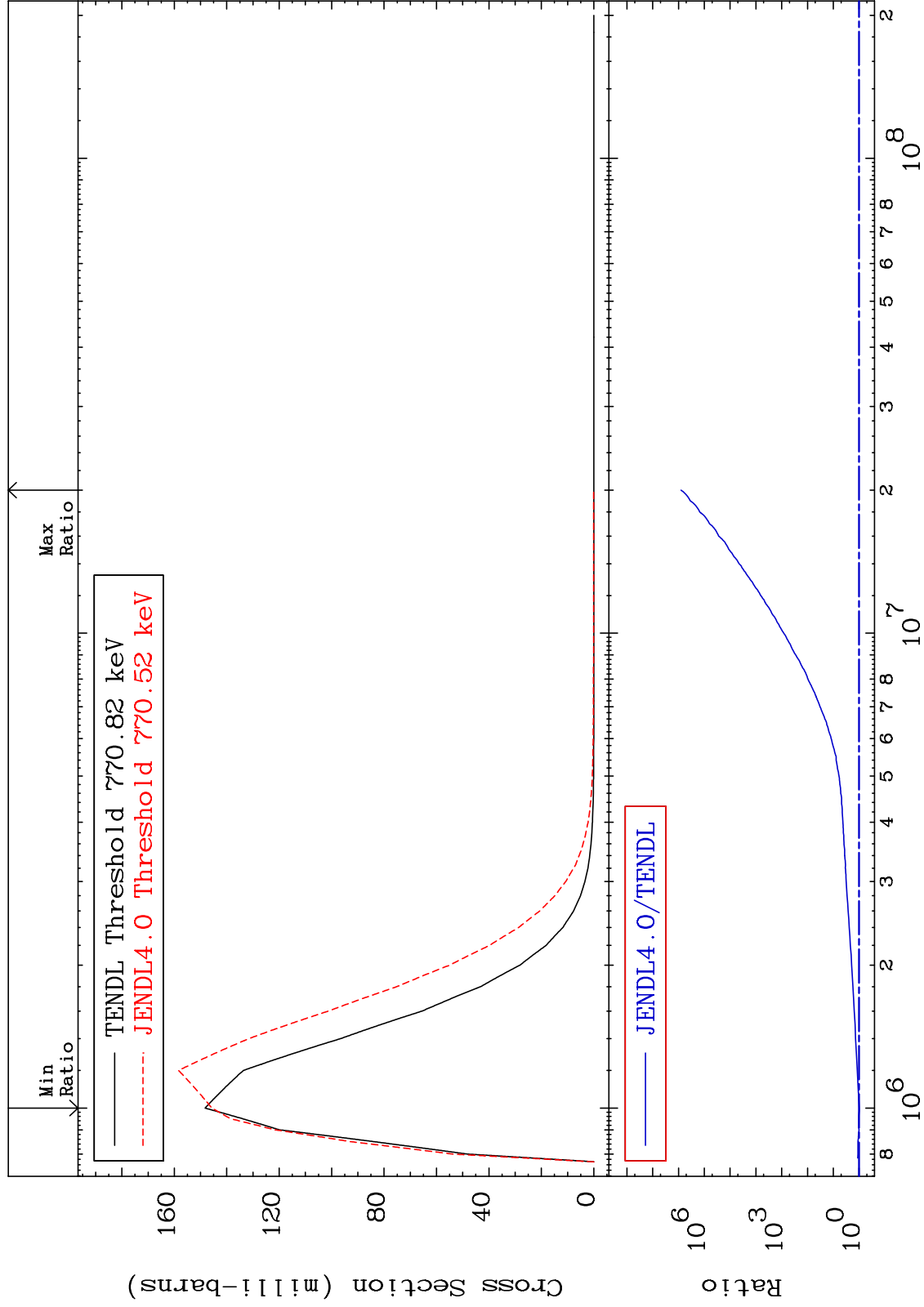
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 68 (n,n') Level
Cross Section

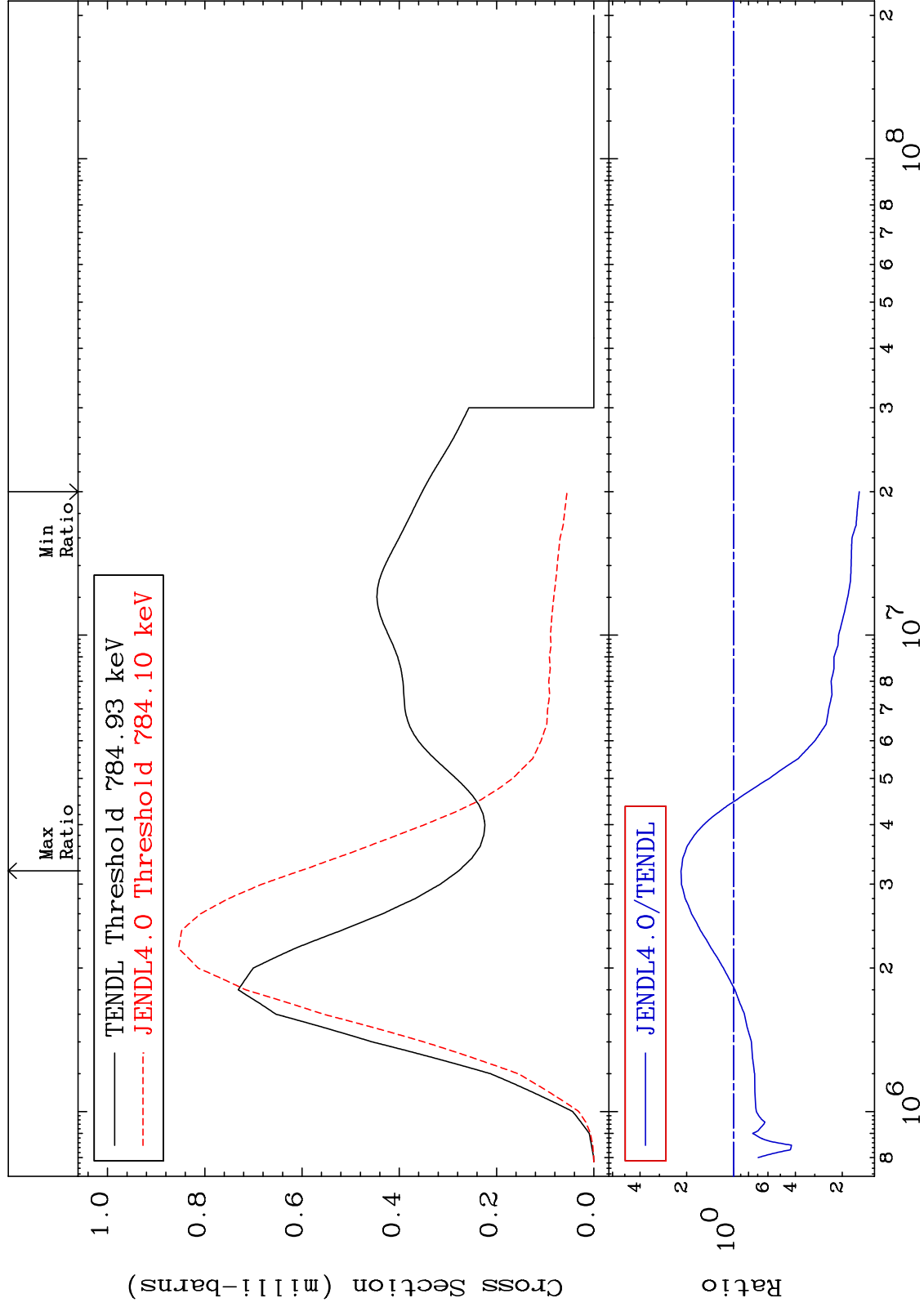
70-Yb-171
-1.734 To 9999. %



MAT 7034

MT= 69 (n,n') Level
Cross Section

70-Yb-171
-84.47 To 117.5 %



27

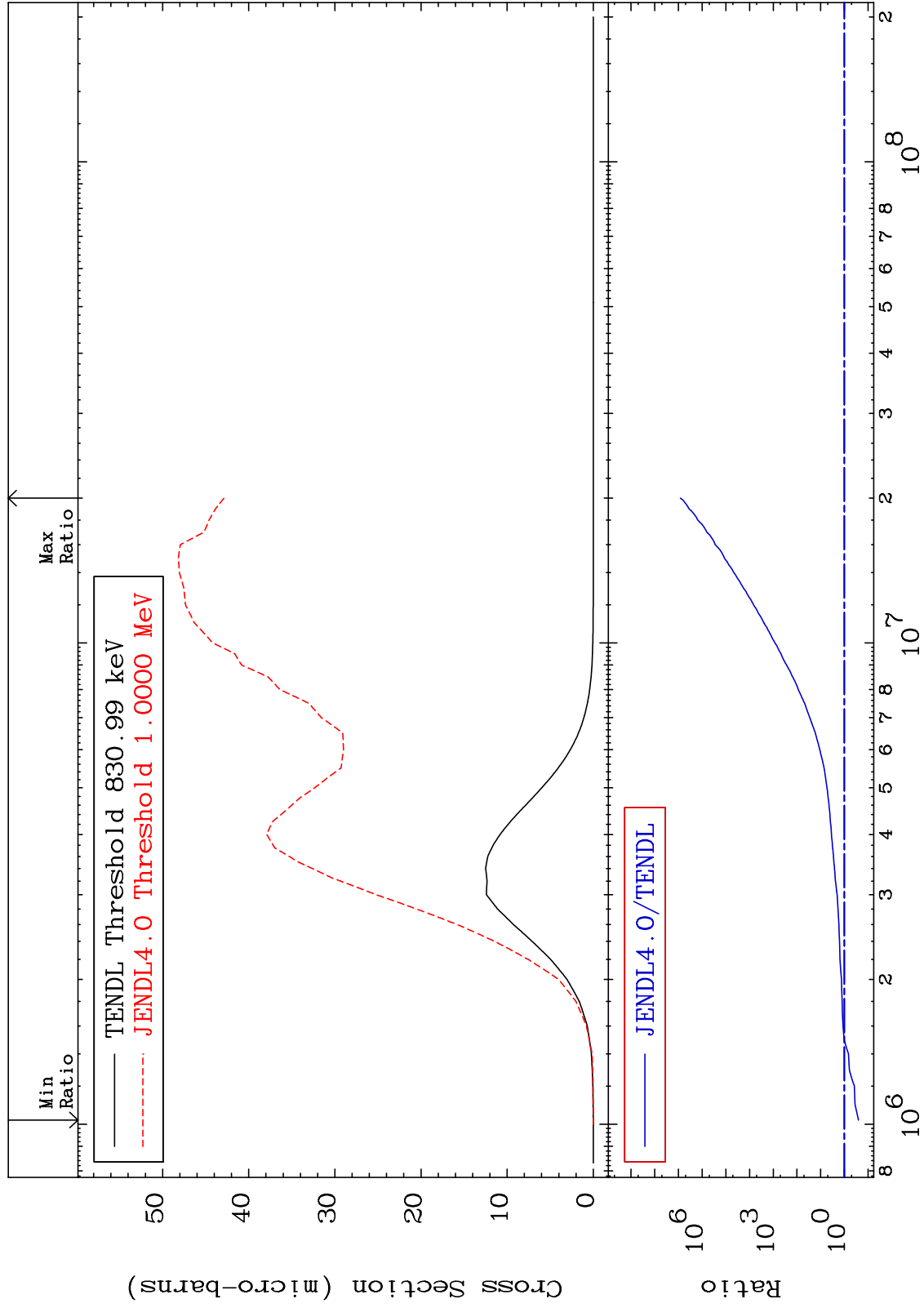
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 70 (n,n') Level
Cross Section

70-Yb-171
-74.67 To 9999. %



28

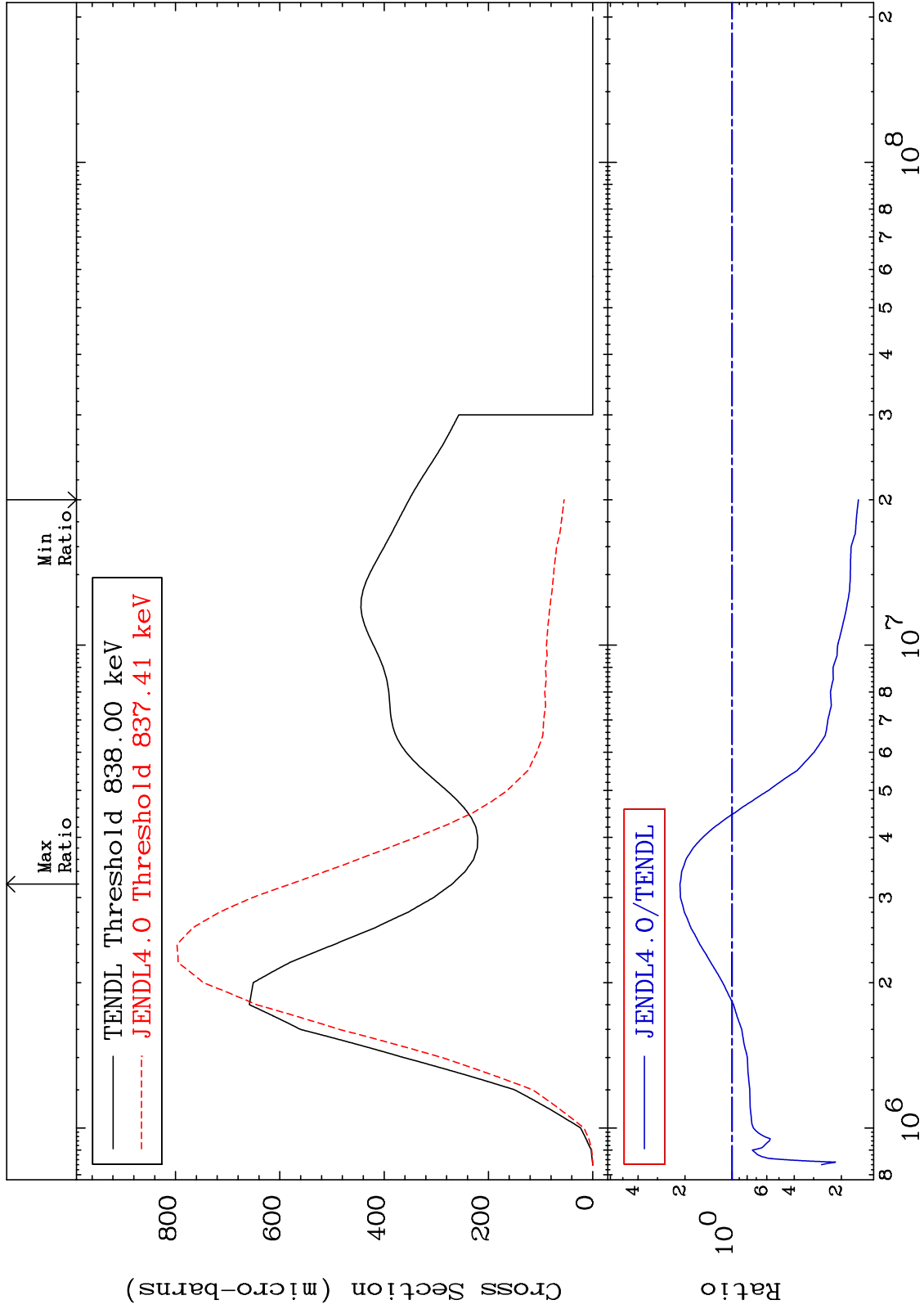
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 71 (n,n') Level
Cross Section

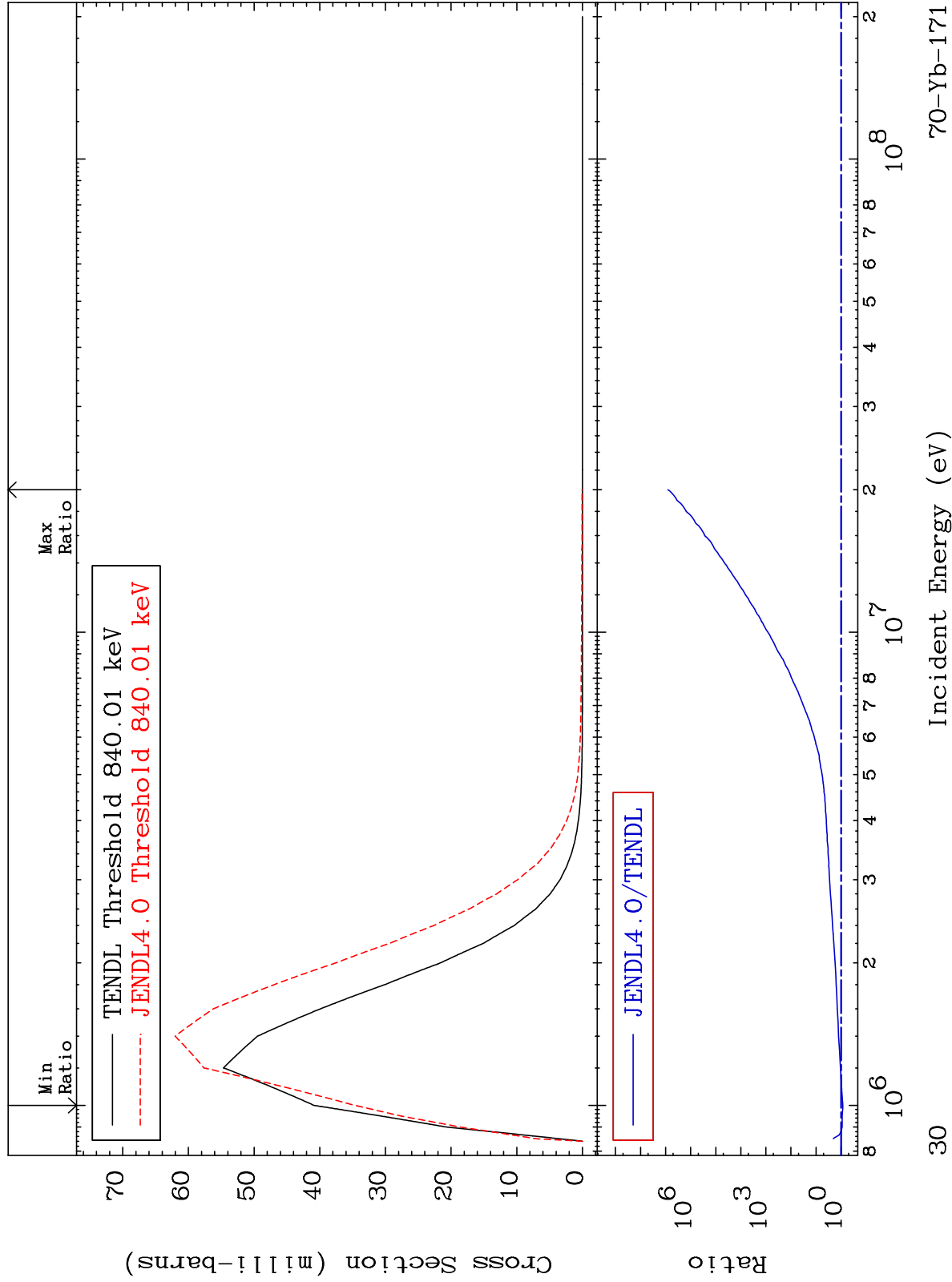
70-Yb-171
-84.47 To 115.2 %



MAT 7034

MT= 72 (n,n') Level
Cross Section

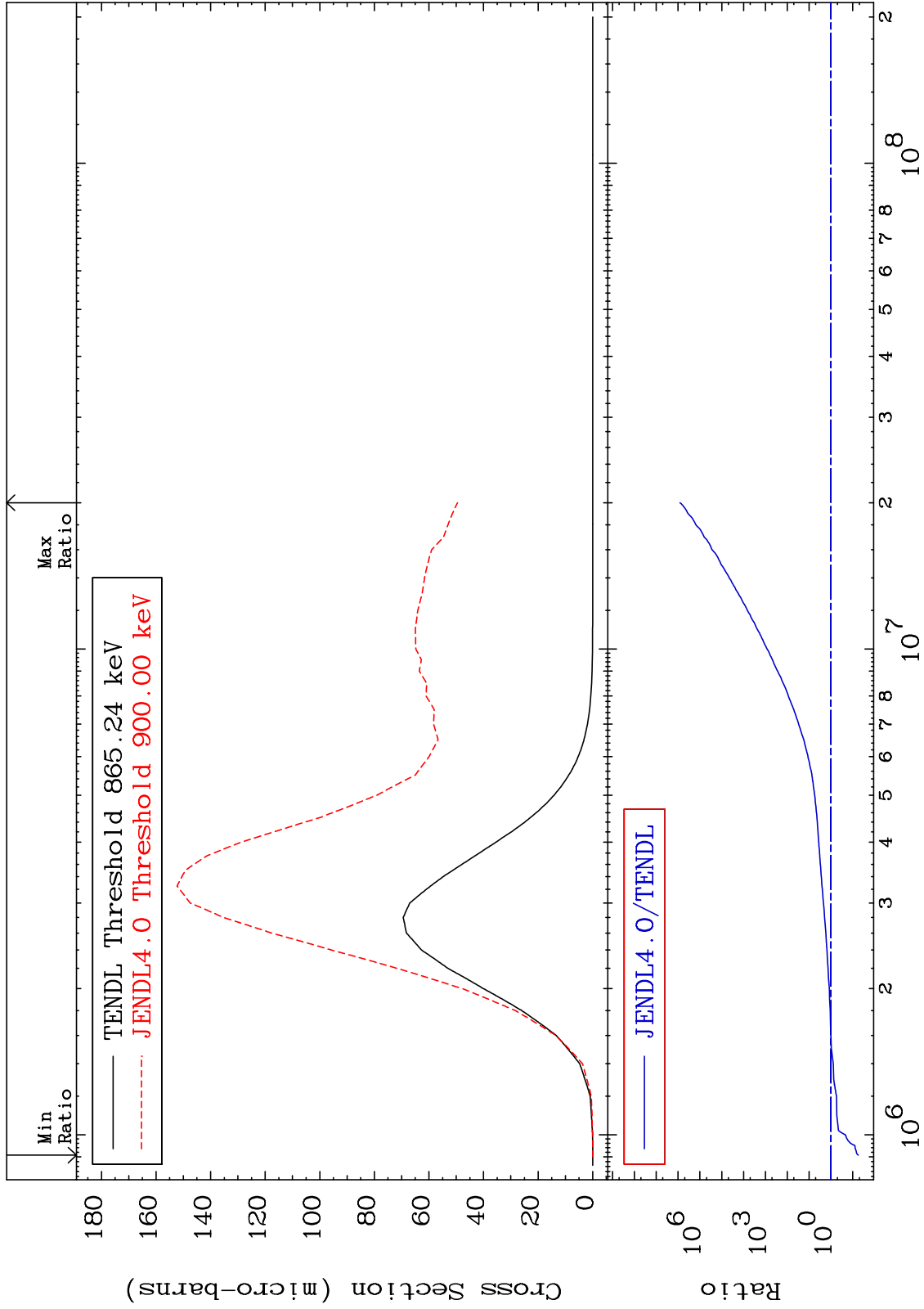
70-Yb-171
-15.18 To 9999. %



MAT 7034

MT= 73 (n,n') Level
Cross Section

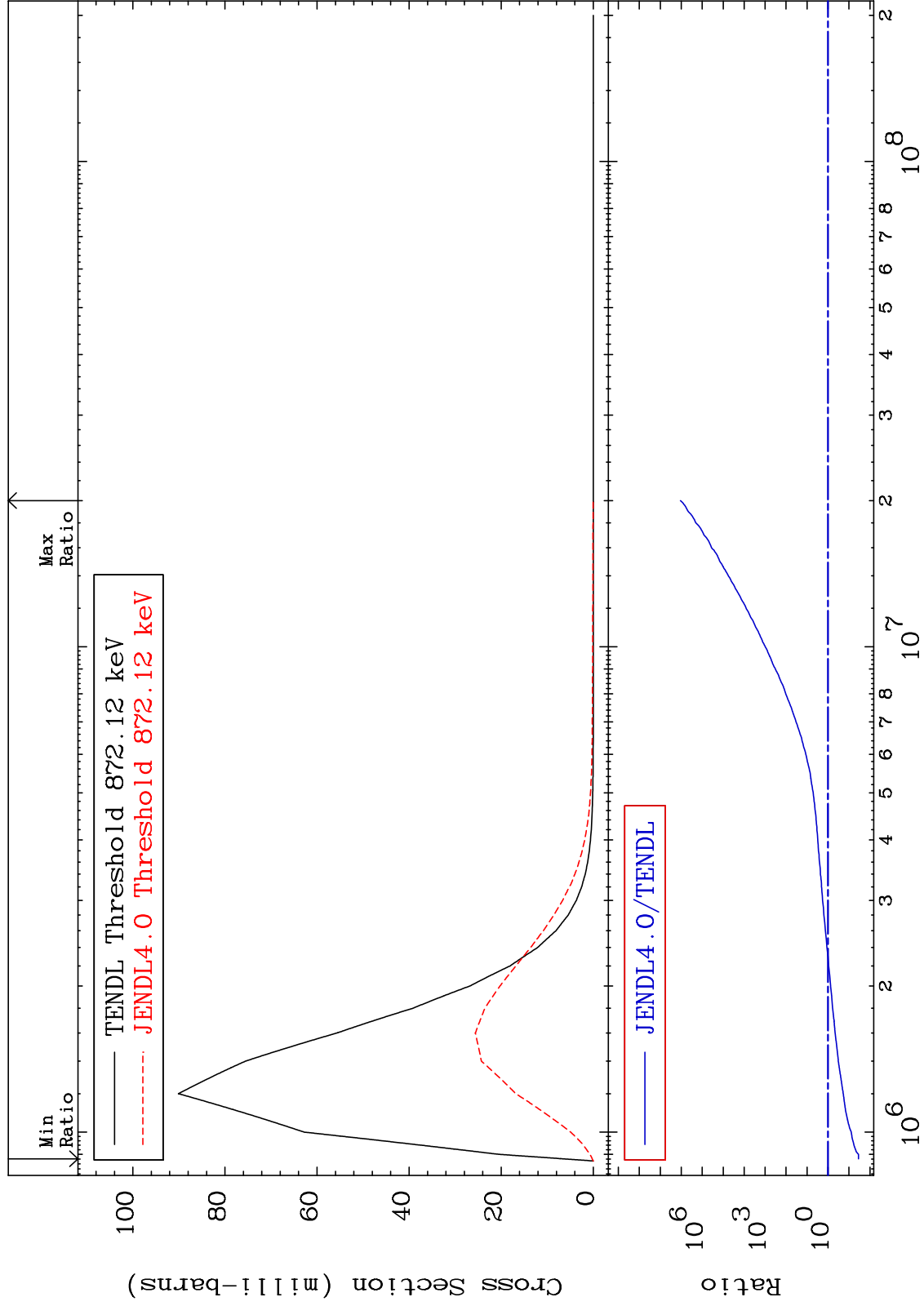
70-Yb-171
-94.47 To 9999. %



MAT 7034

MT= 74 (n,n') Level
Cross Section

70-Yb-171
-96.50 To 9999. %

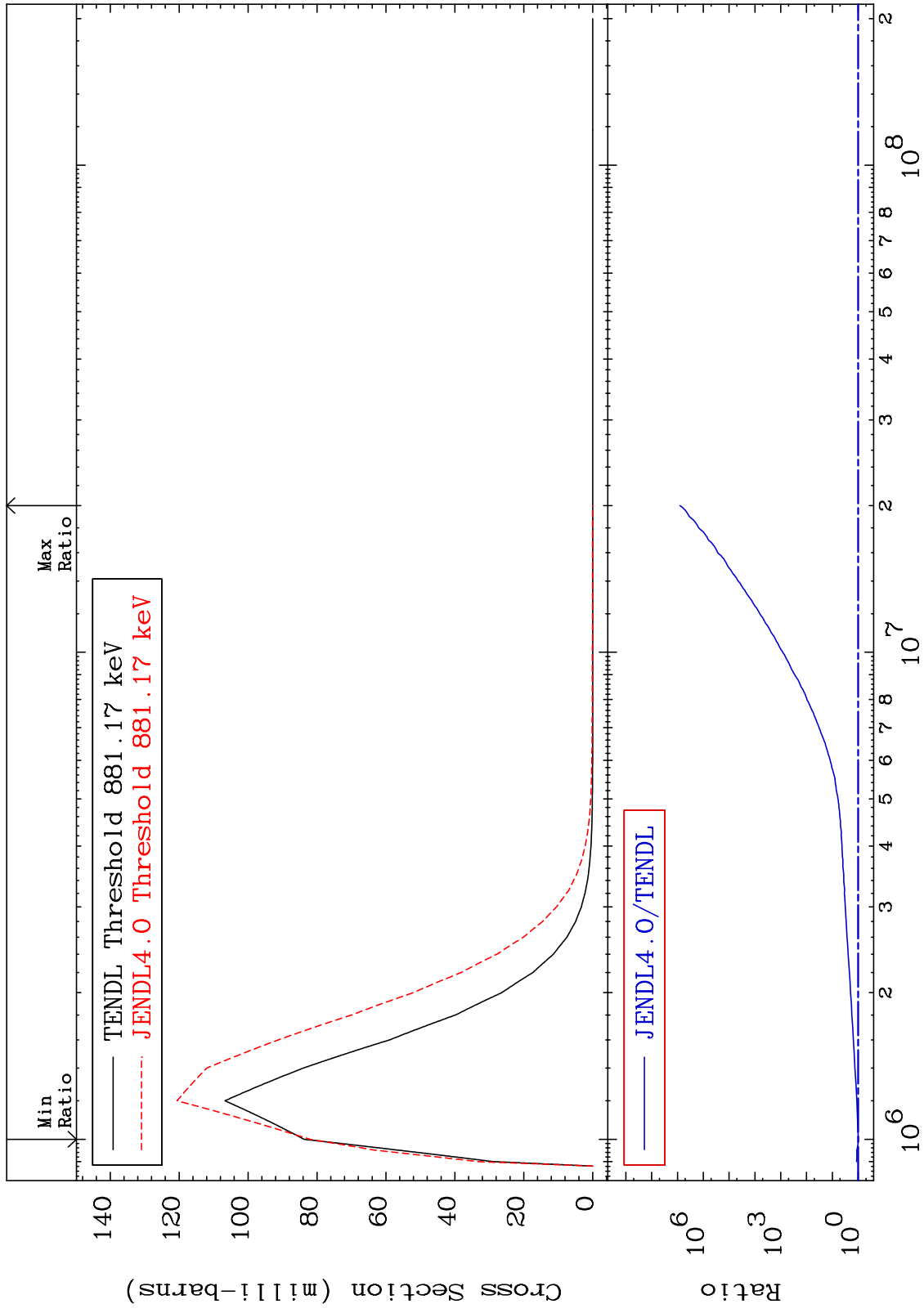


32

Incident Energy (eV)

70-Yb-171

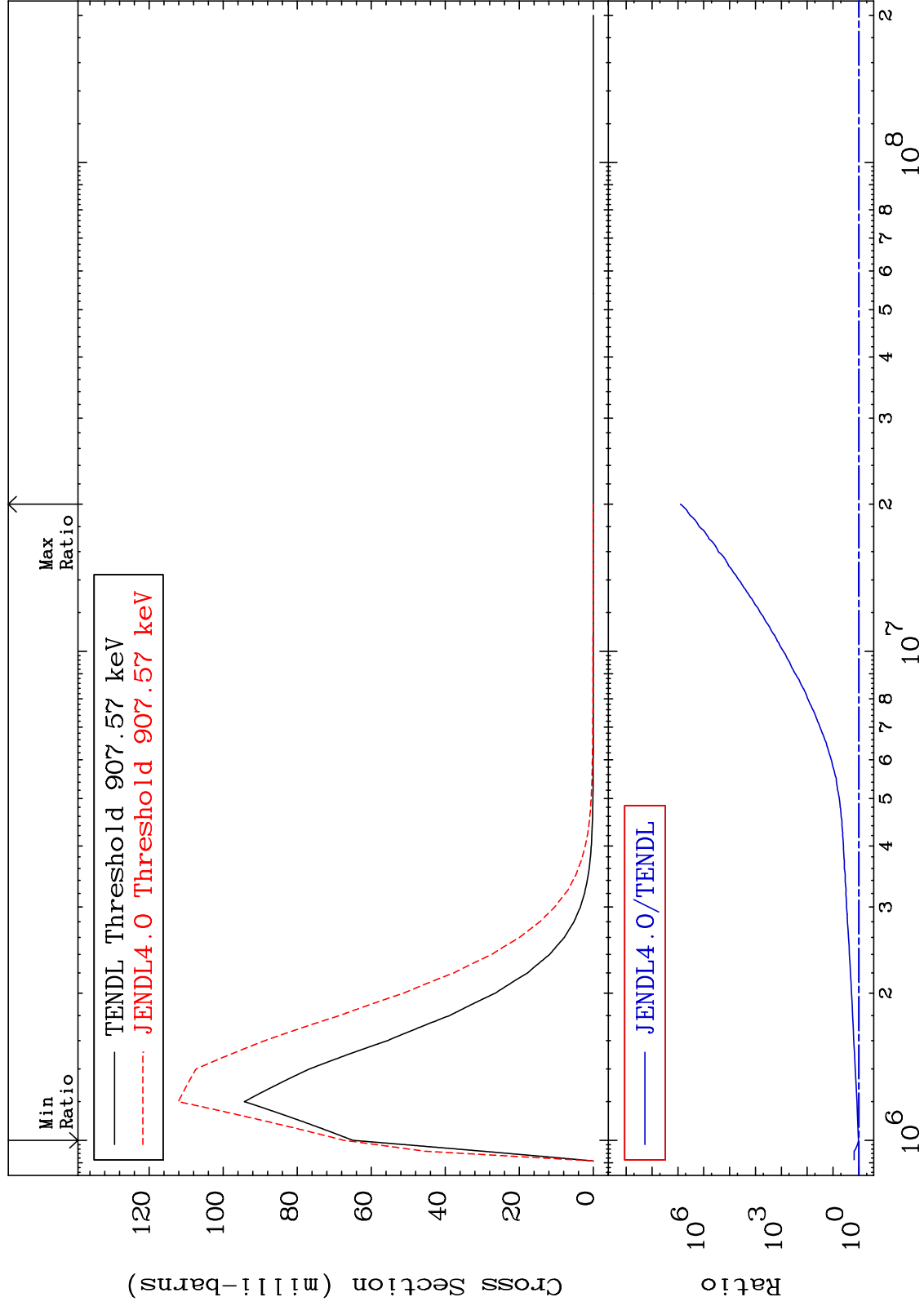
MAT 7034 MT= 75 (n,n') Level 70-Yb-171
 Cross Section -2.111 To 9999. %



MAT 7034

MT= 76 (n,n') Level
Cross Section

70-Yb-171
3.646 To 9999. %



34

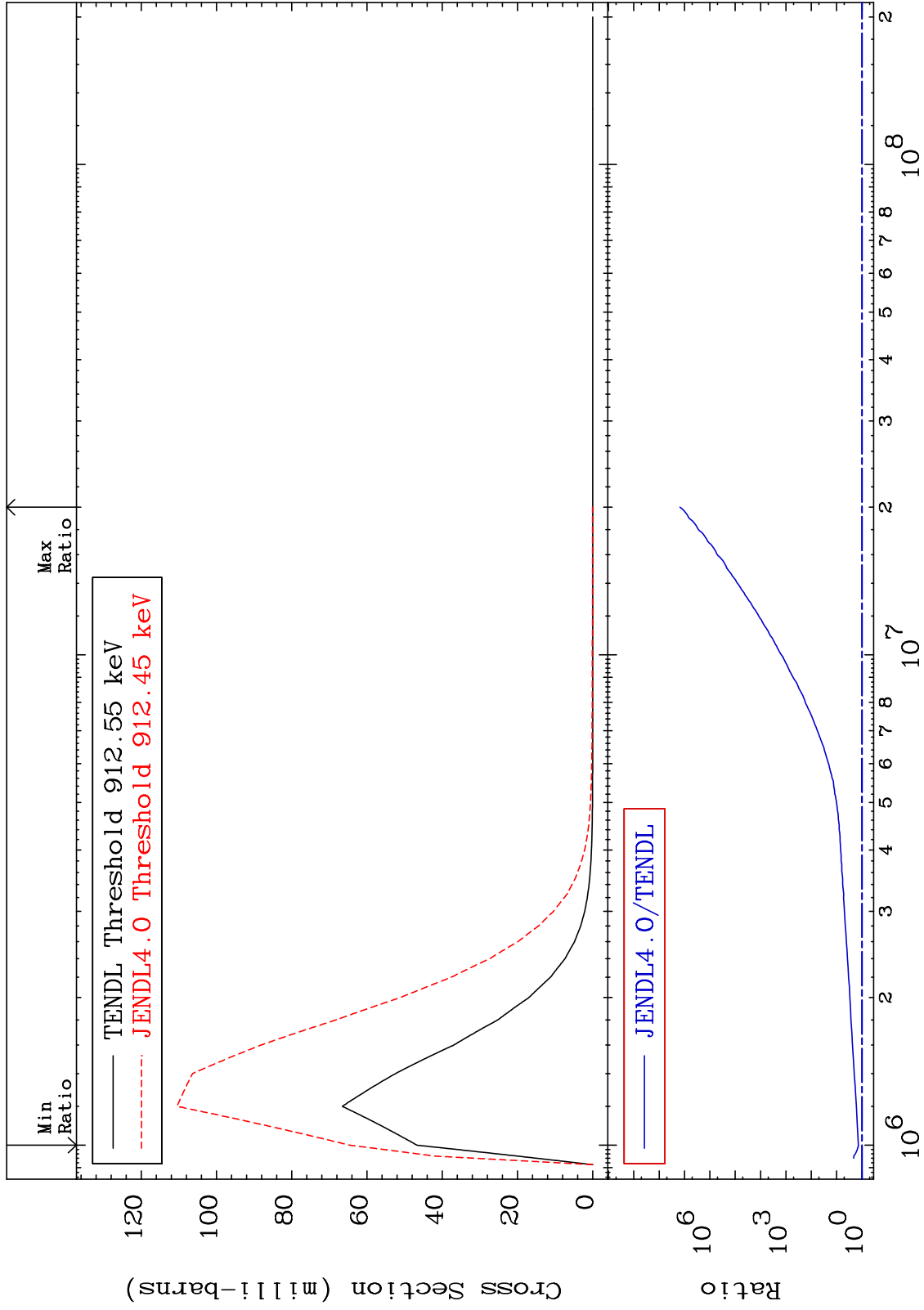
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 77 (n,n') Level
Cross Section

70-Yb-171
38.24 To 9999. %



35

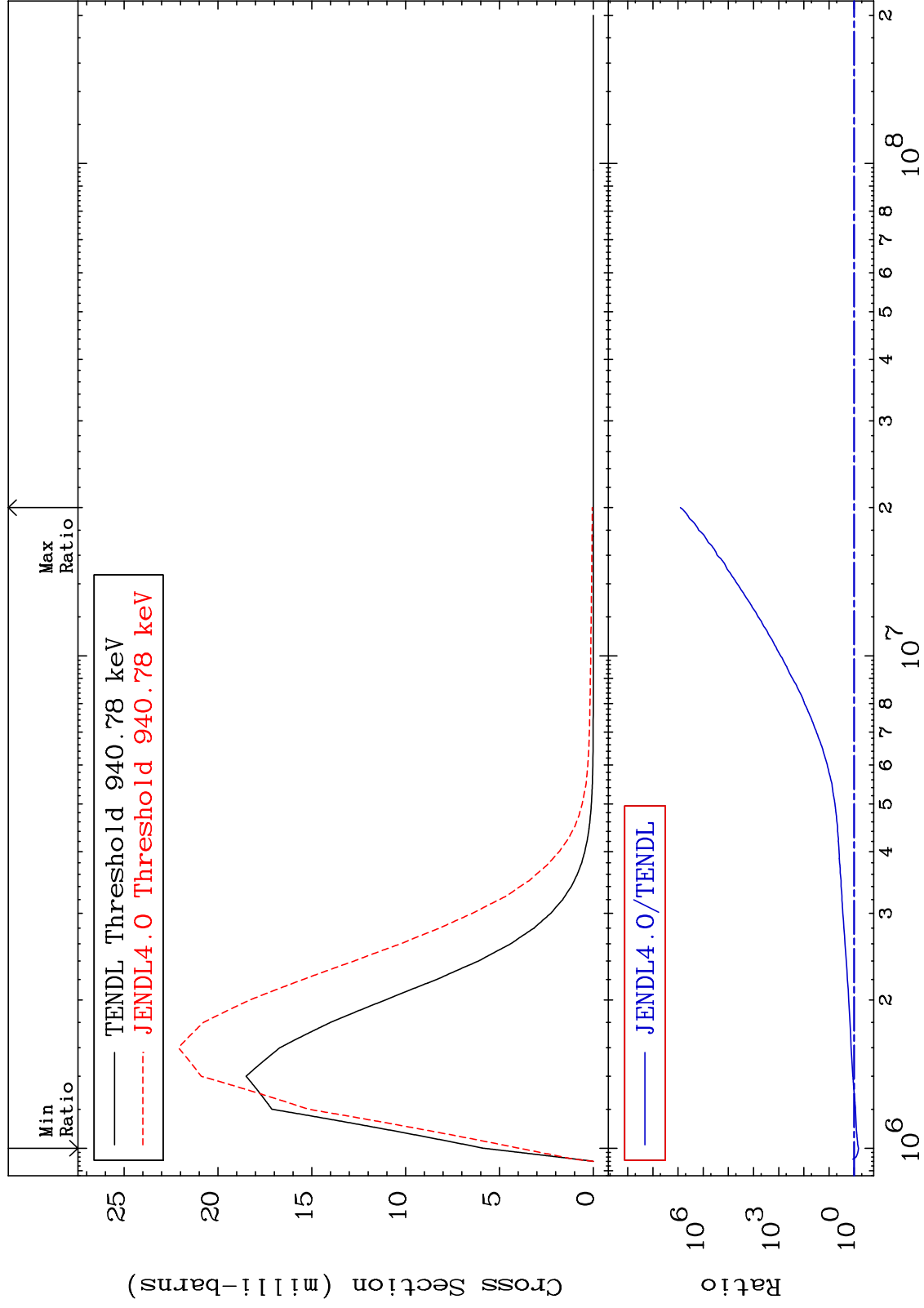
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 78 (n,n') Level
Cross Section

70-Yb-171
-32.59 To 9999. %



36

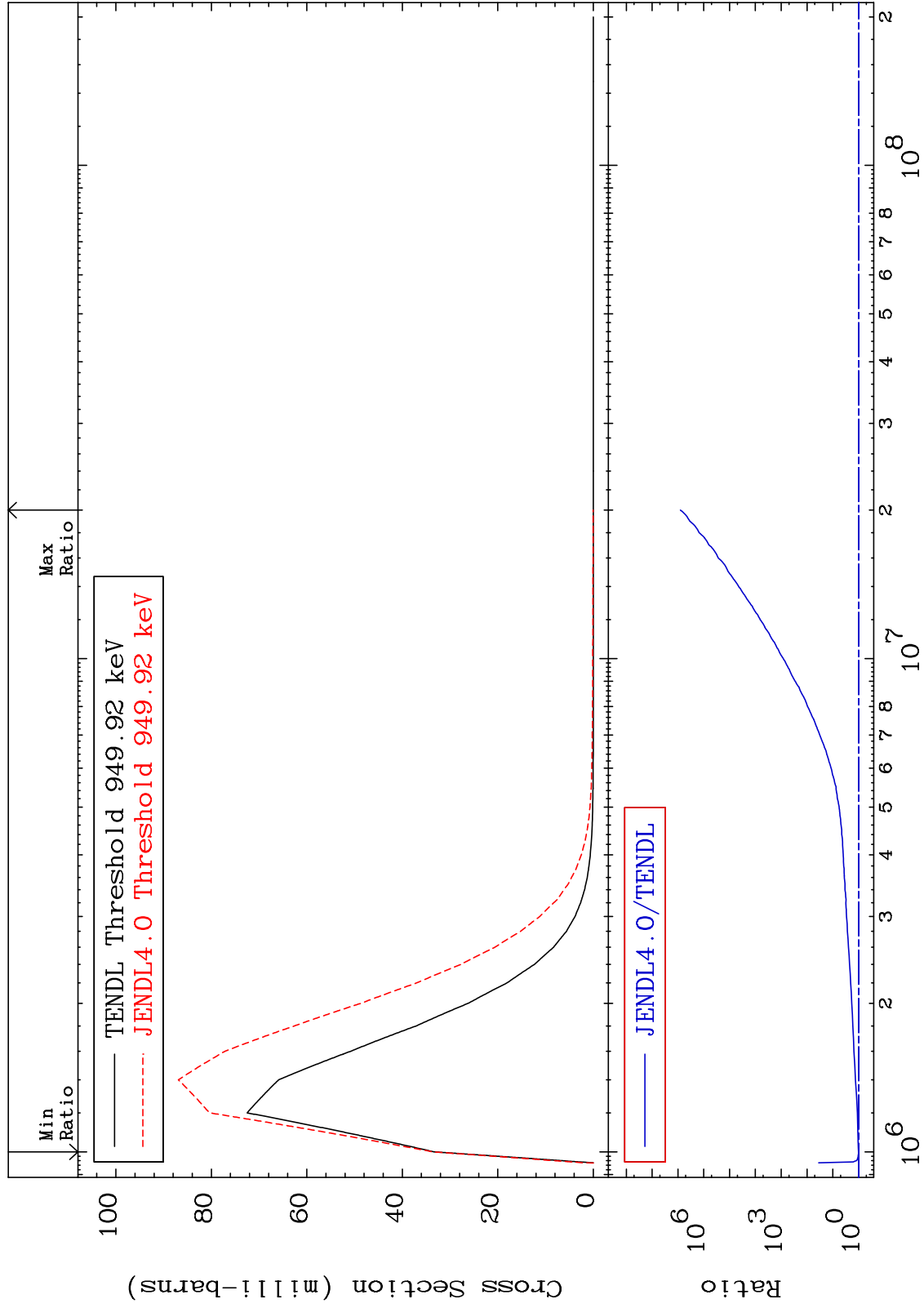
Incident Energy (eV)

70-Yb-171

MAT 7034

MT= 79 (n,n') Level
Cross Section

70-Yb-171
0.860 To 9999. %



70-Yb-171

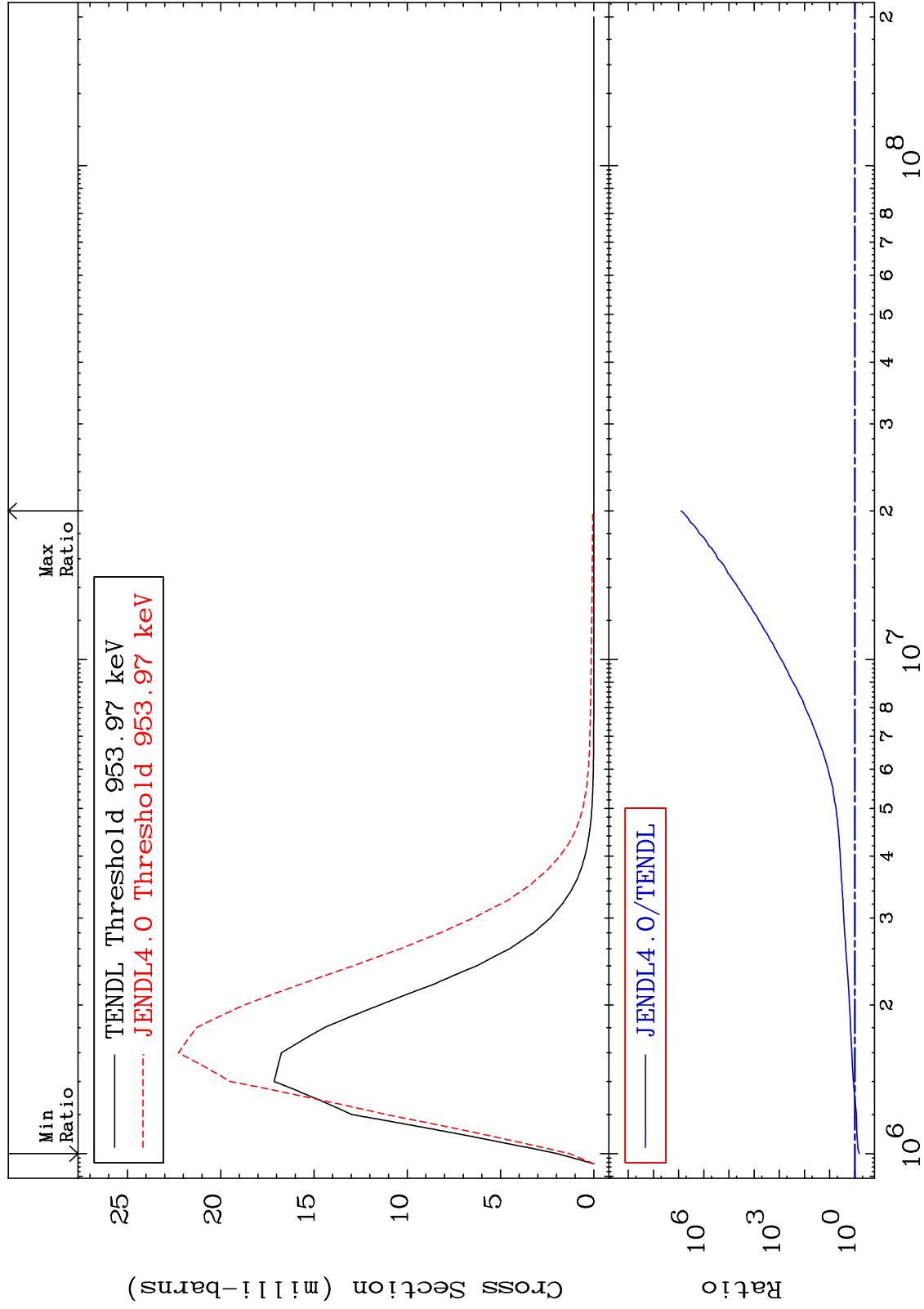
Incident Energy (eV)

37

MAT 7034

MT= 80 (n,n') Level
Cross Section

70-Yb-171
-33.42 To 9999. %



38

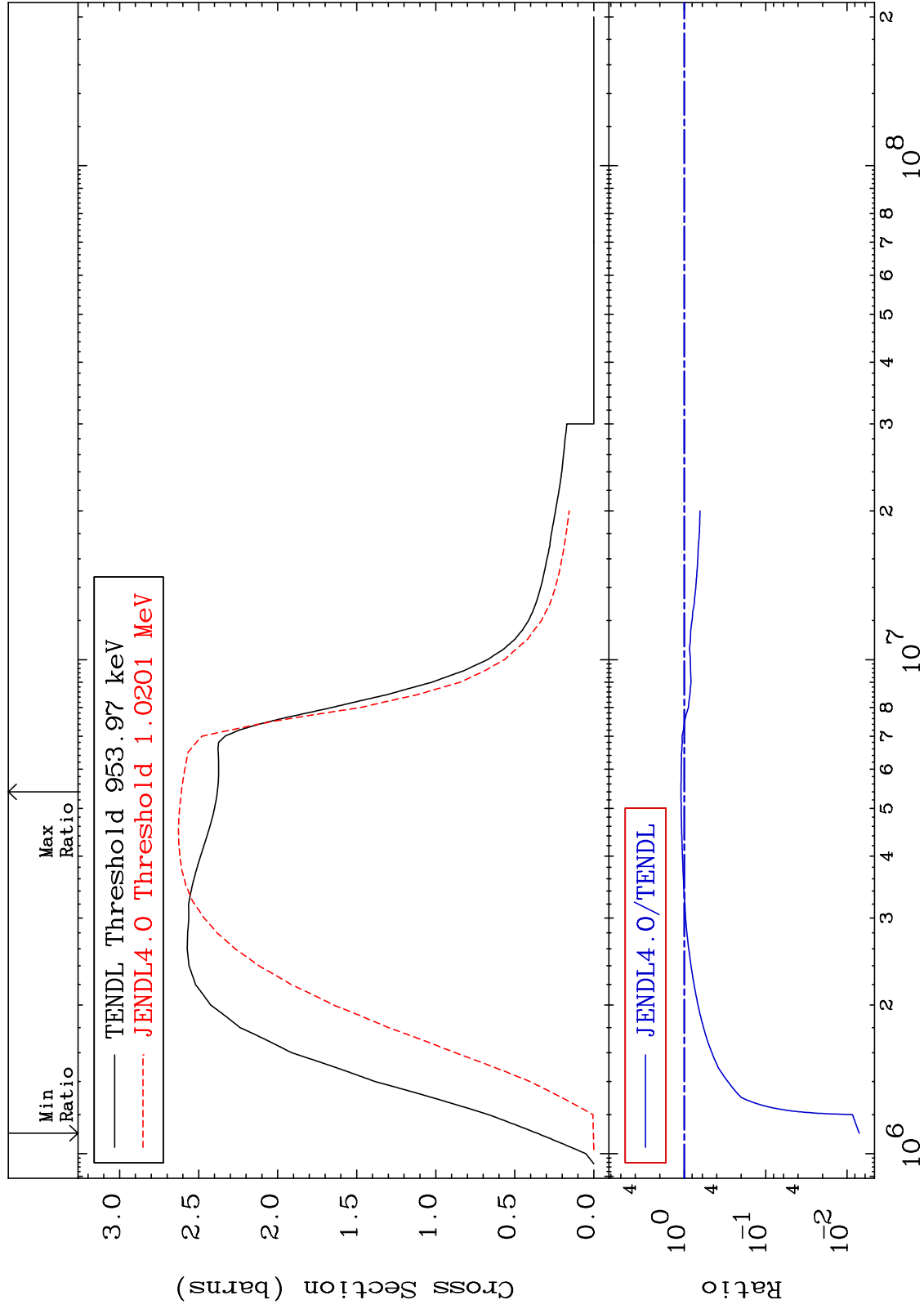
Incident Energy (eV)

70-Yb-171

MAT 7034

(n, n') Continuum
Cross Section

70-Yb-171
-99.29 To 9.554 %



Incident Energy (eV)

70-Yb-171

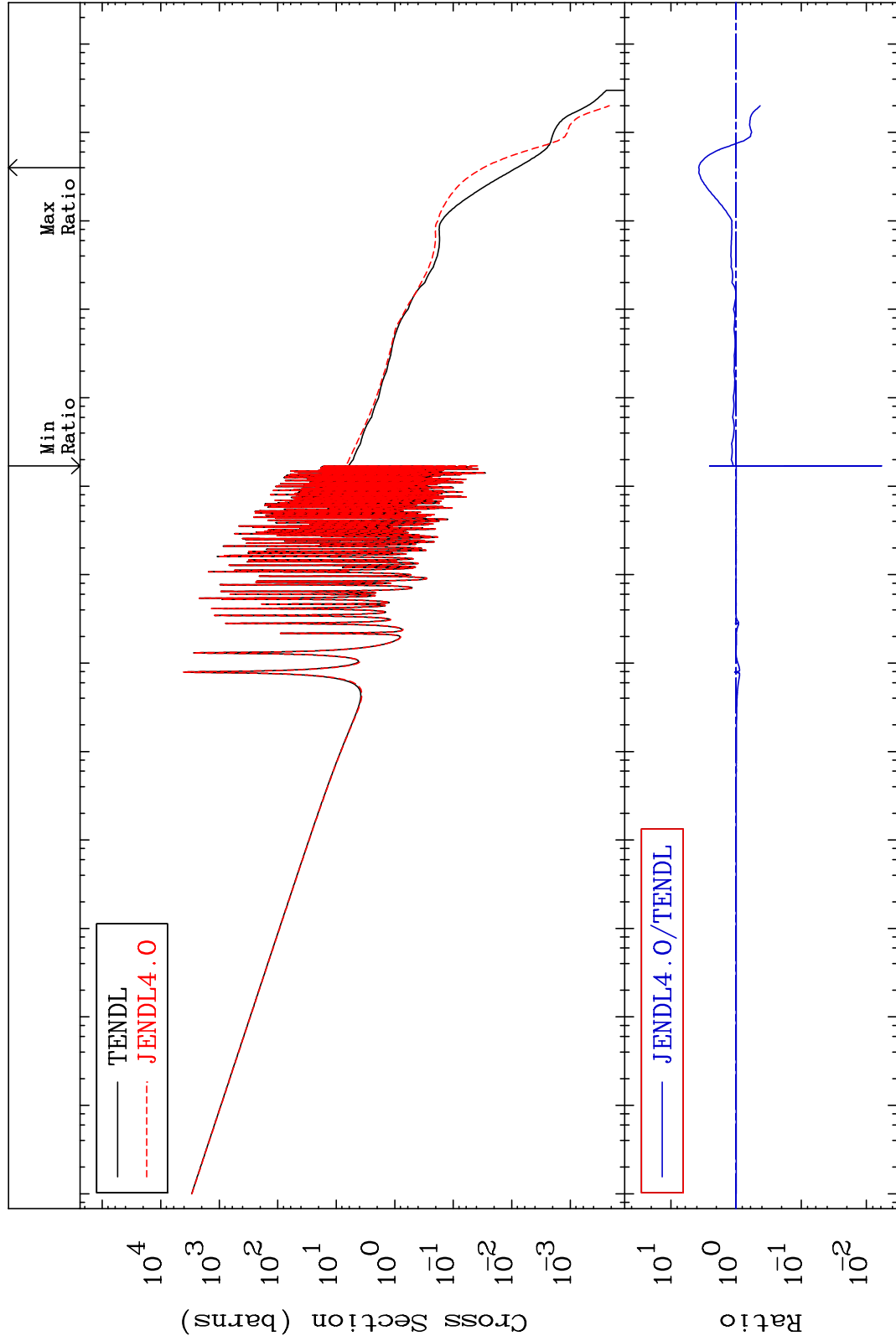
39

MAT 7034

(n, γ)
Cross Section

70-Yb-171

-99.41 To 273.4 %



Incident Energy (eV) 70-Yb-171

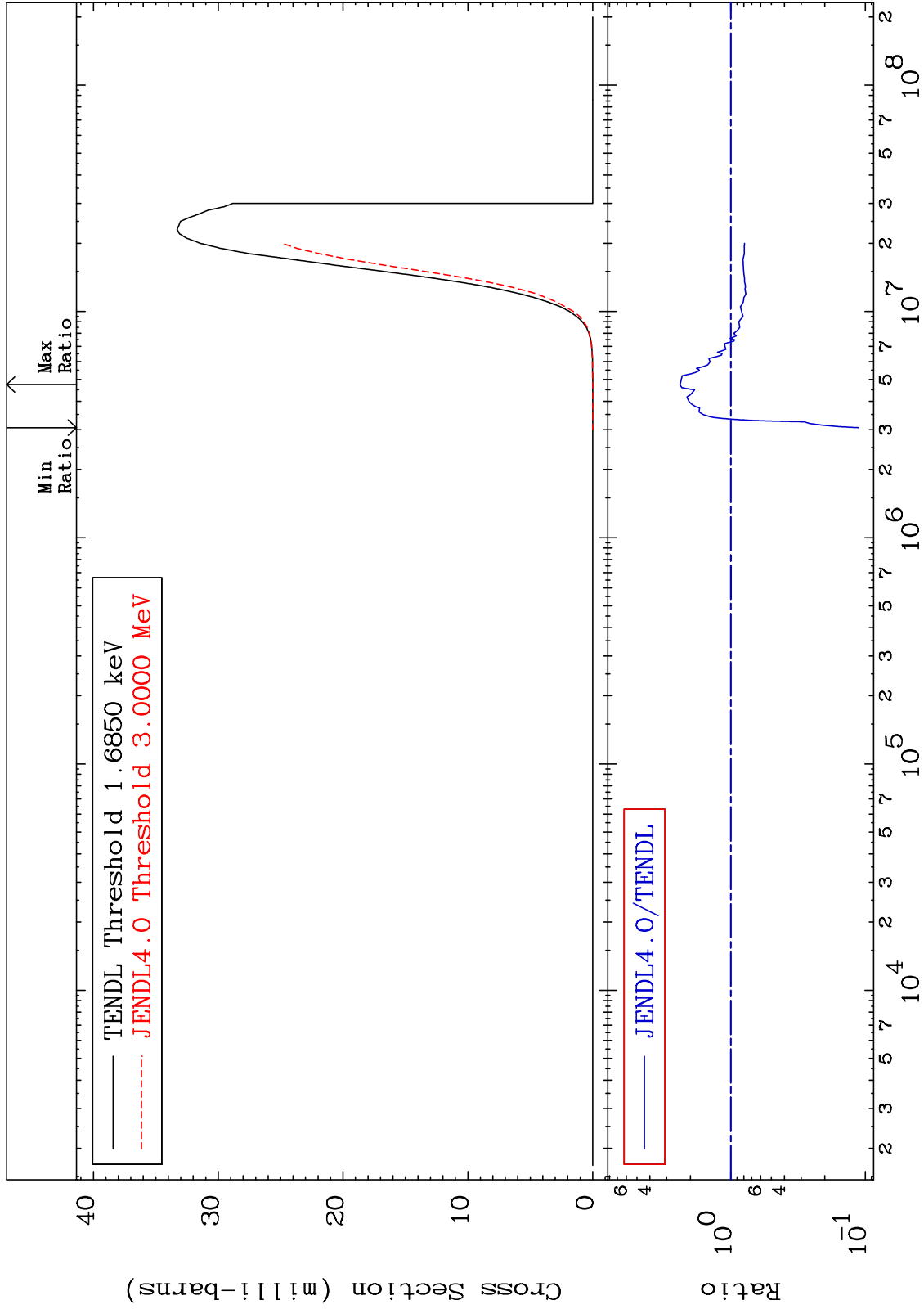
MAT 7034

(n, p)

70-Yb-171

Cross Section

-88.75 To 138.9 %

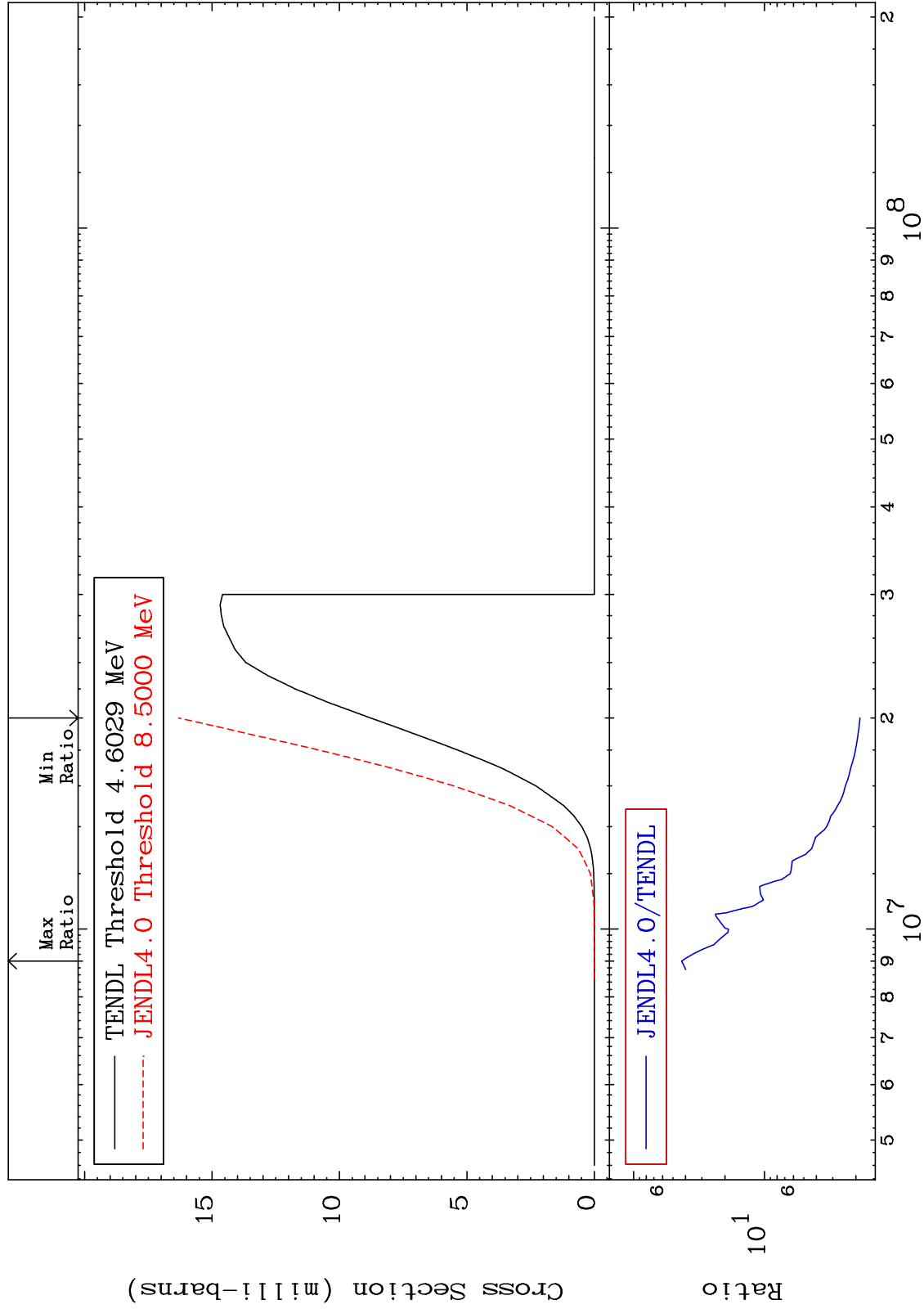


MAT 7034

(n, d)

70-Yb-171
85.70 To 4188. %

Cross Section



42

70-Yb-171

70-Yb-171

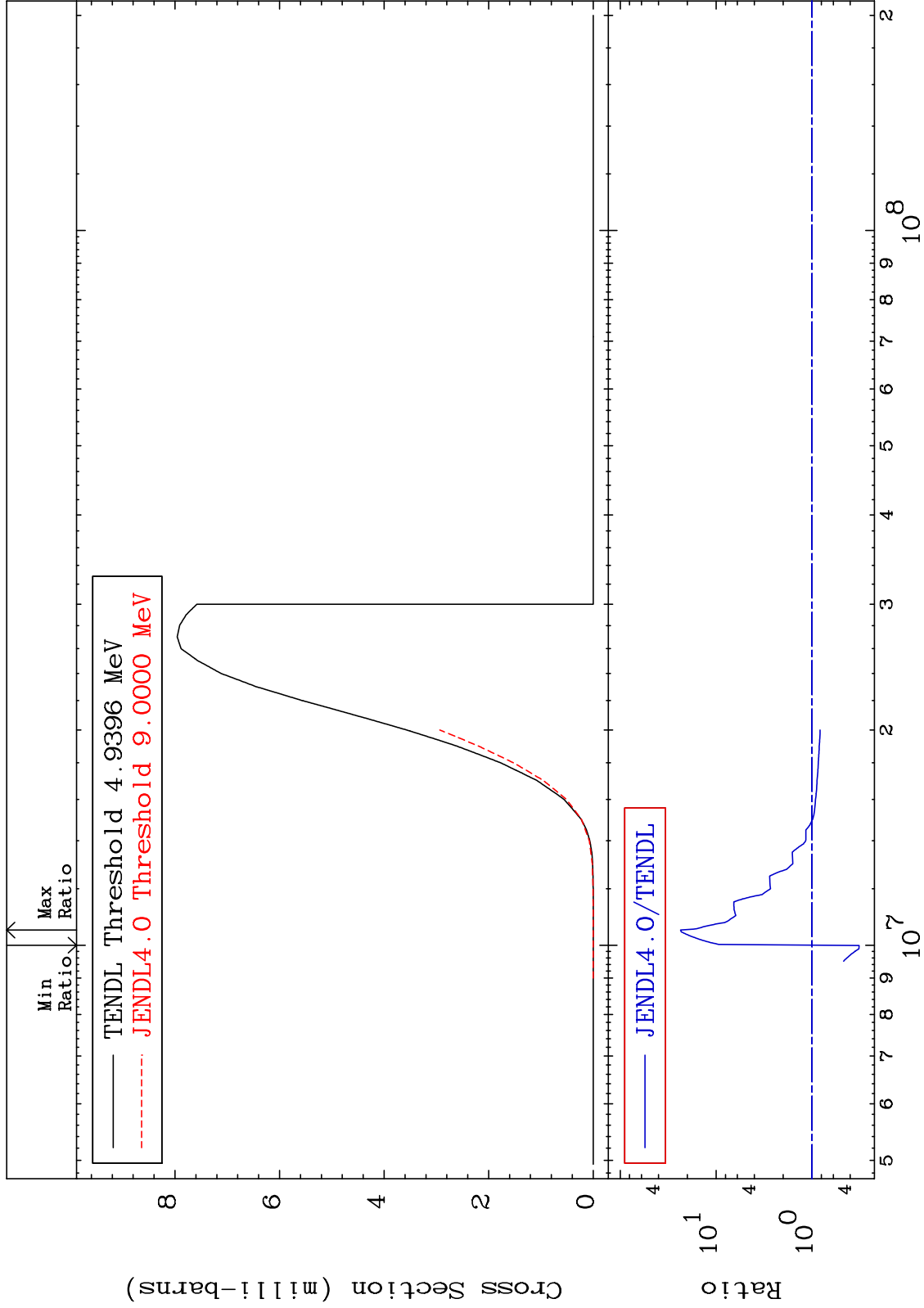
MAT 7034

(n, t)

70-Yb-171

Cross Section

-67.75 To 2247. %



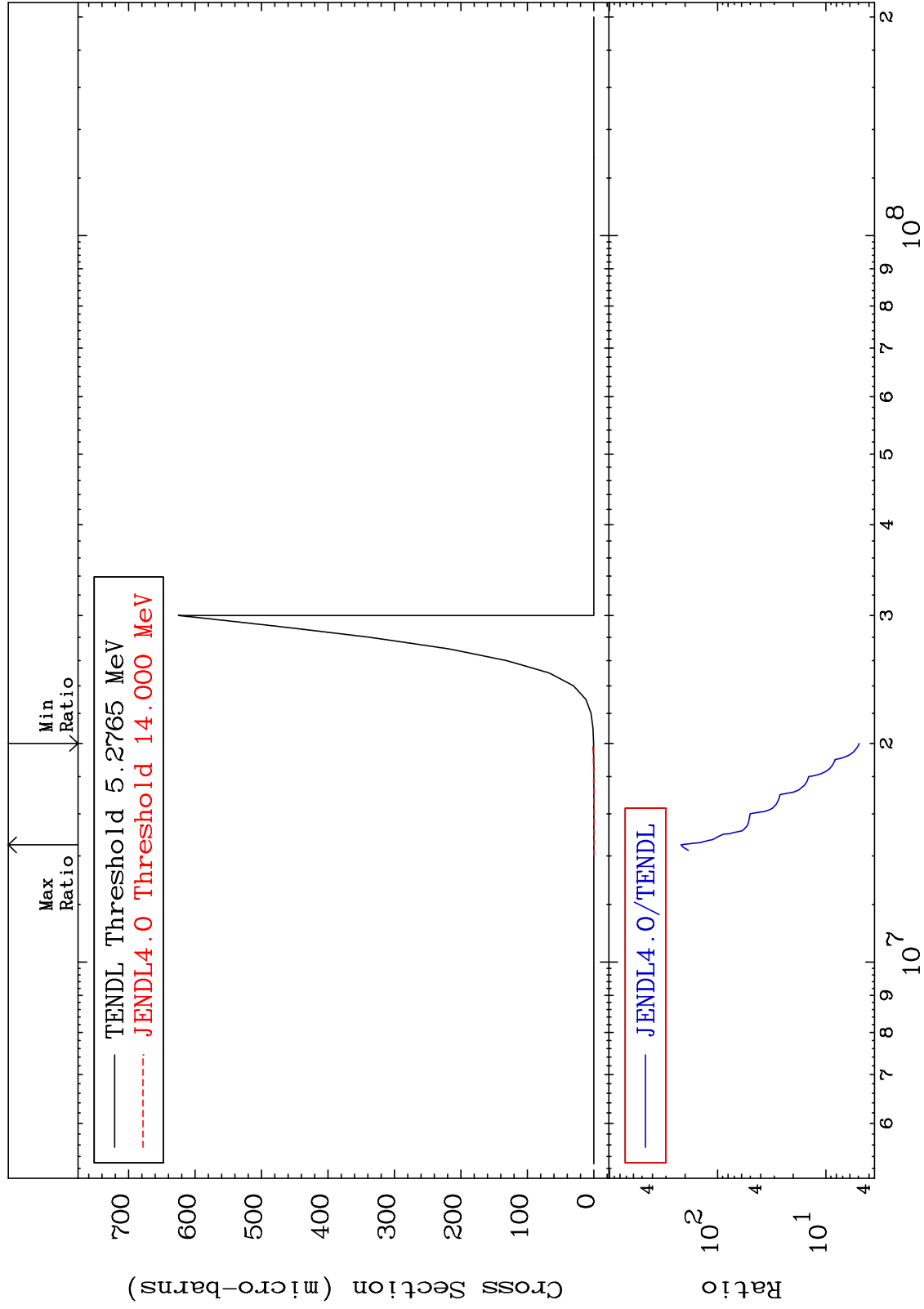
MAT 7034

(n, He-3)

70-Yb-171

Cross Section

391.3 To 9999. %



44

Incident Energy (eV)

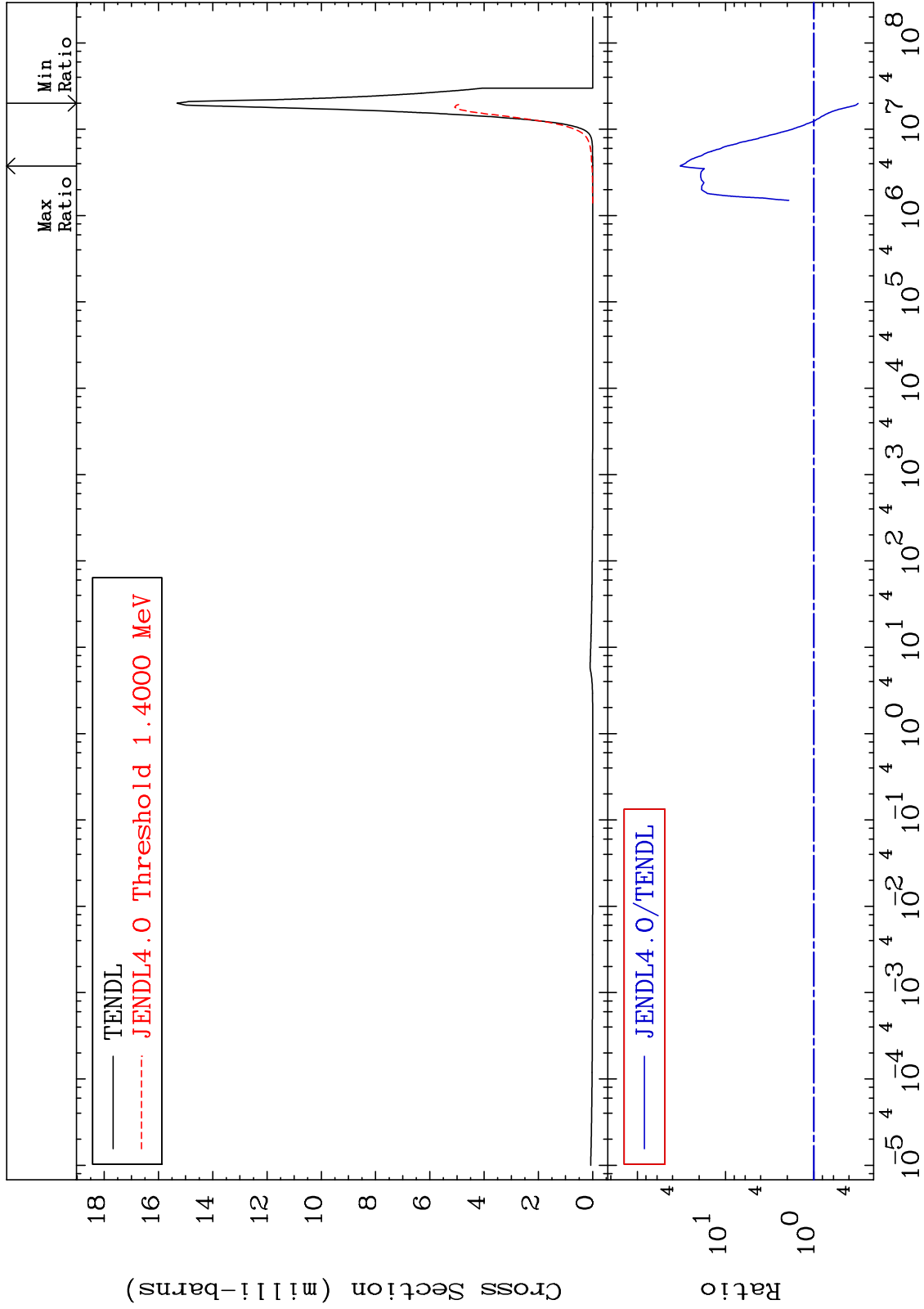
70-Yb-171

MAT 7034

(n, α)

Cross Section

70-Yb-171
-68.72 To 3189. %



45

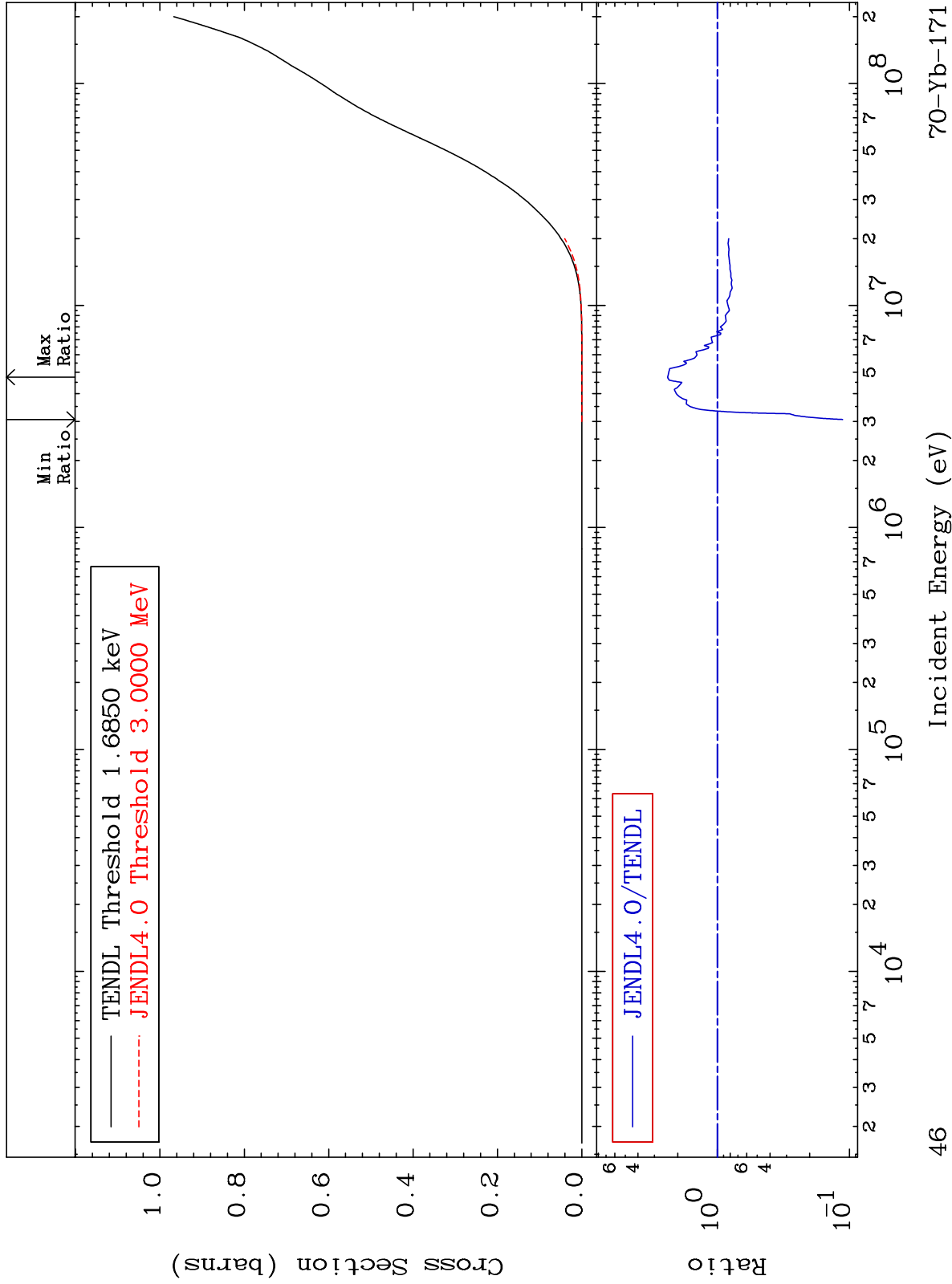
Incident Energy (eV)

70-Yb-171

MAT 7034

Hydrogen Production
Cross Section

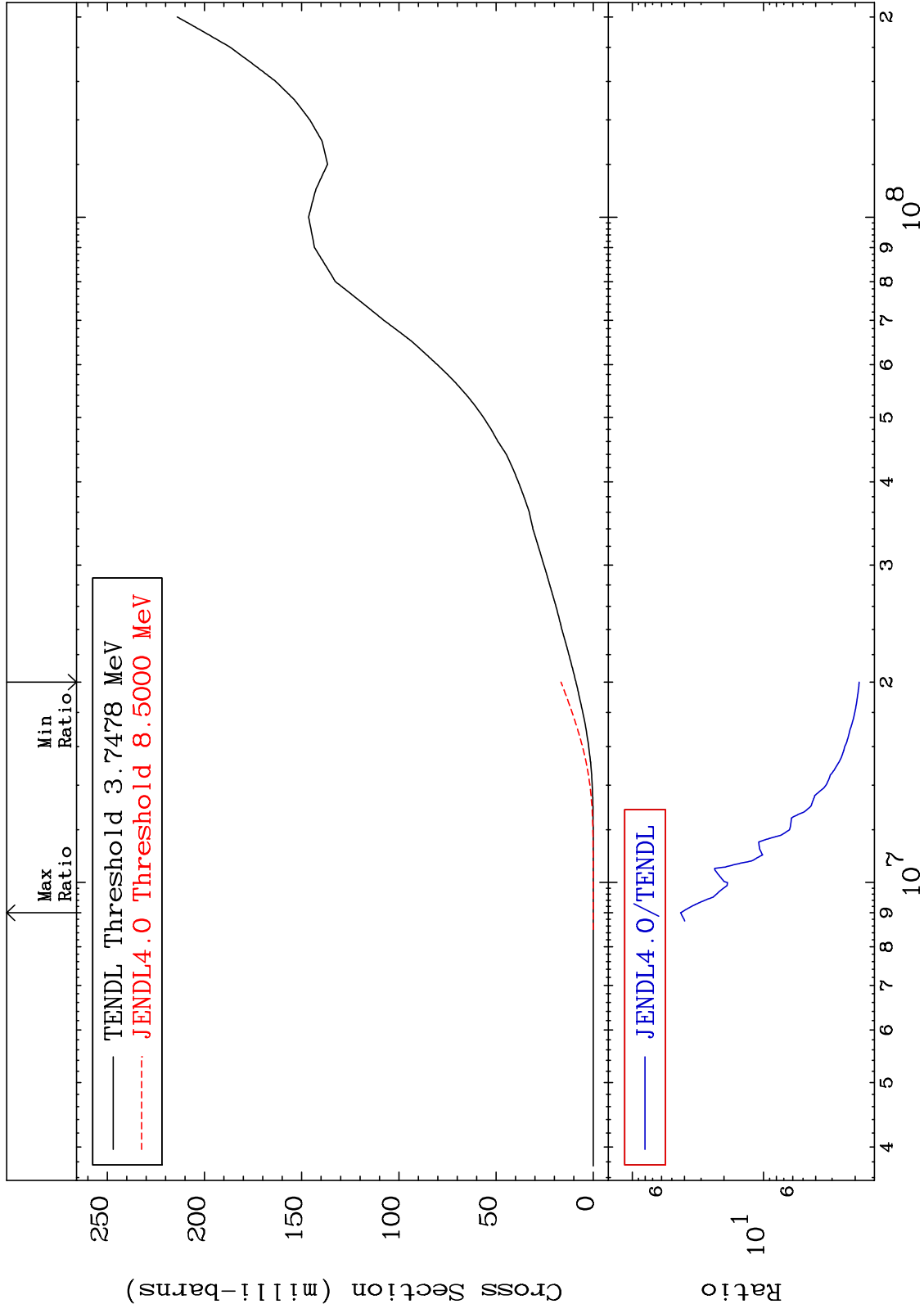
70-Yb-171
-88.75 To 138.9 %



MAT 7034

Deuterium Production
Cross Section

⁷⁰Yb-171
86.74 To 4188. %



47

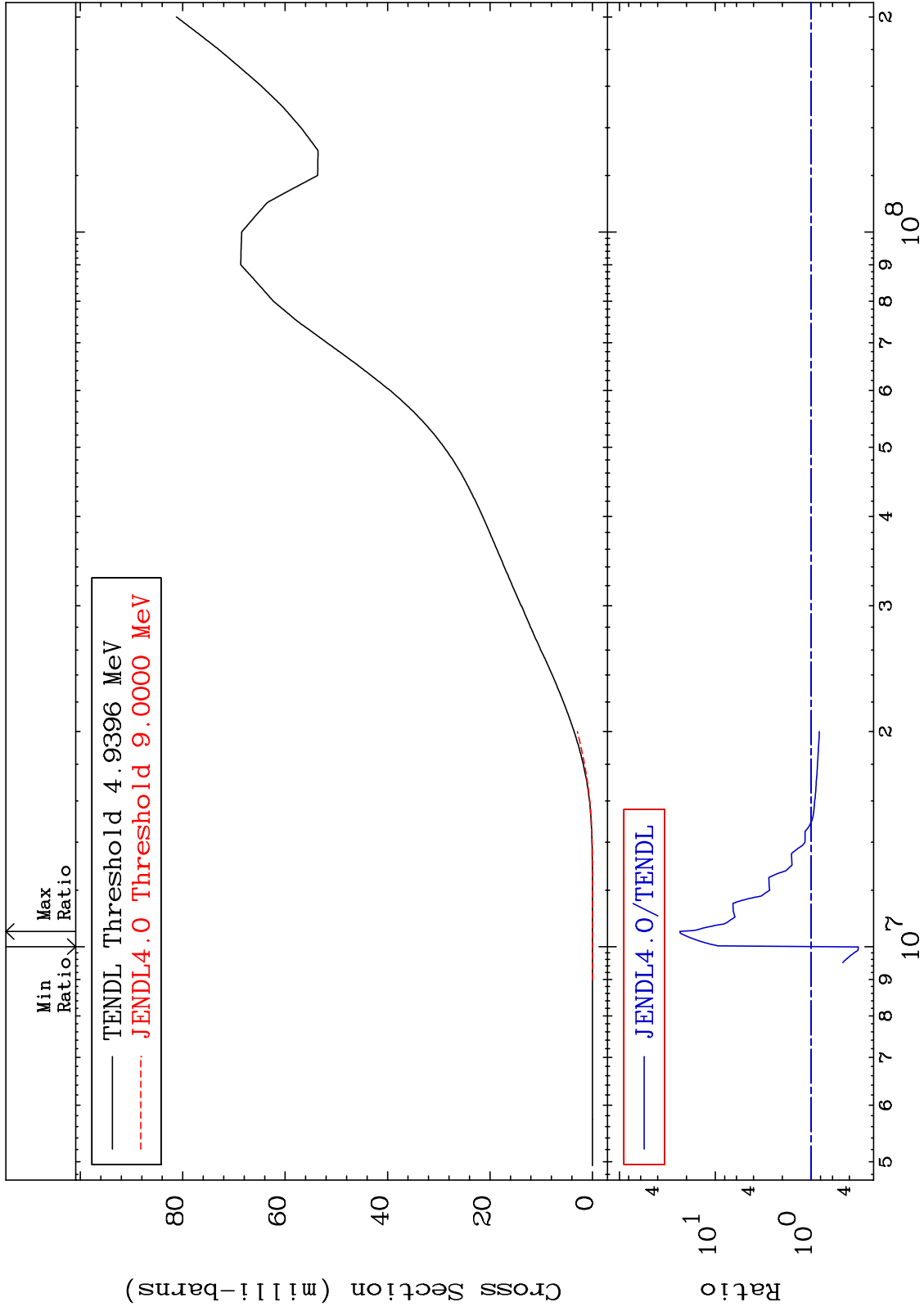
Incident Energy (eV)

⁷⁰Yb-171

MAT 7034

Tritium Production
Cross Section

70-Yb-171
-67.75 To 2247. %



48

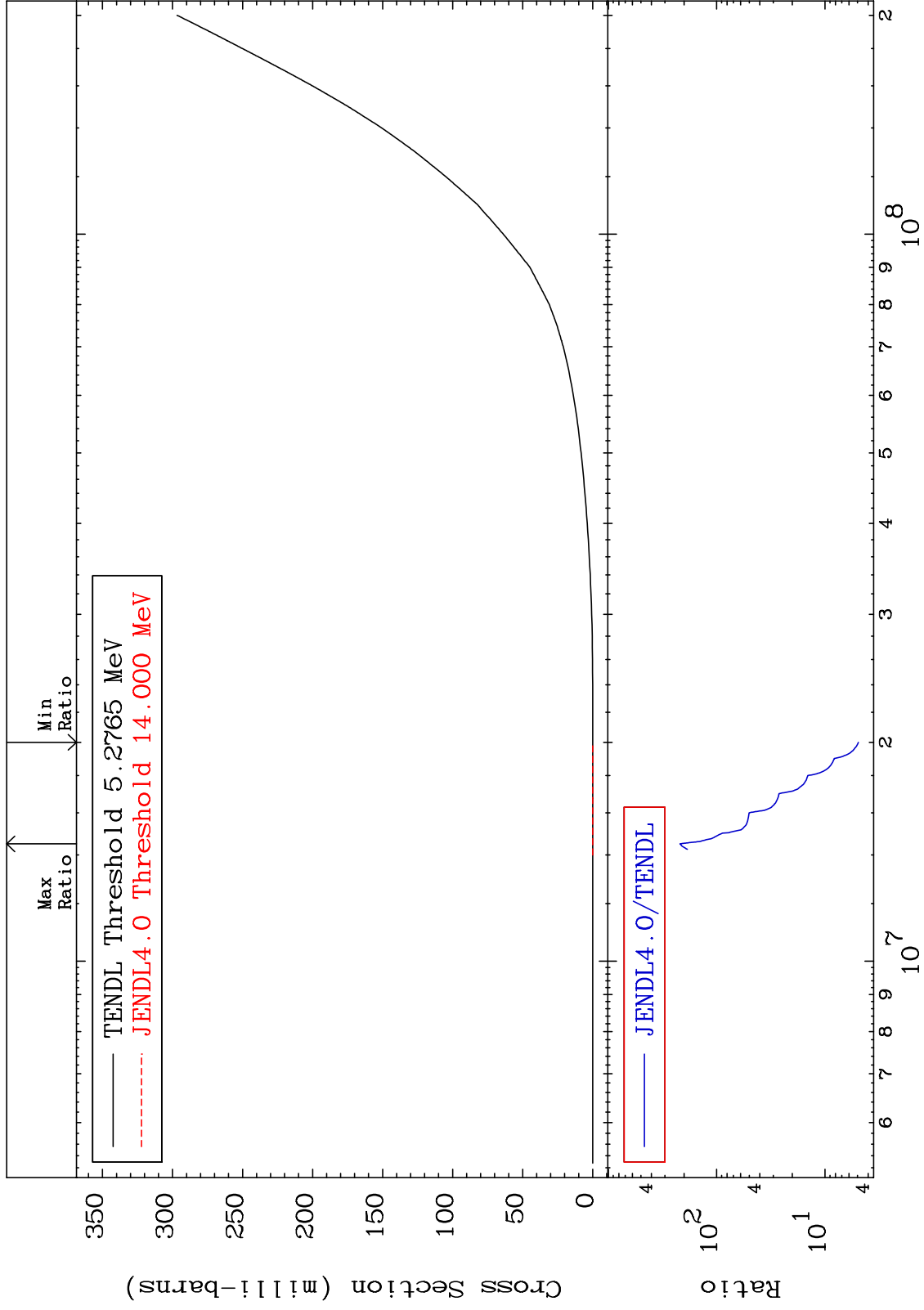
70-Yb-171

70-Yb-171

MAT 7034

He-3 Production
Cross Section

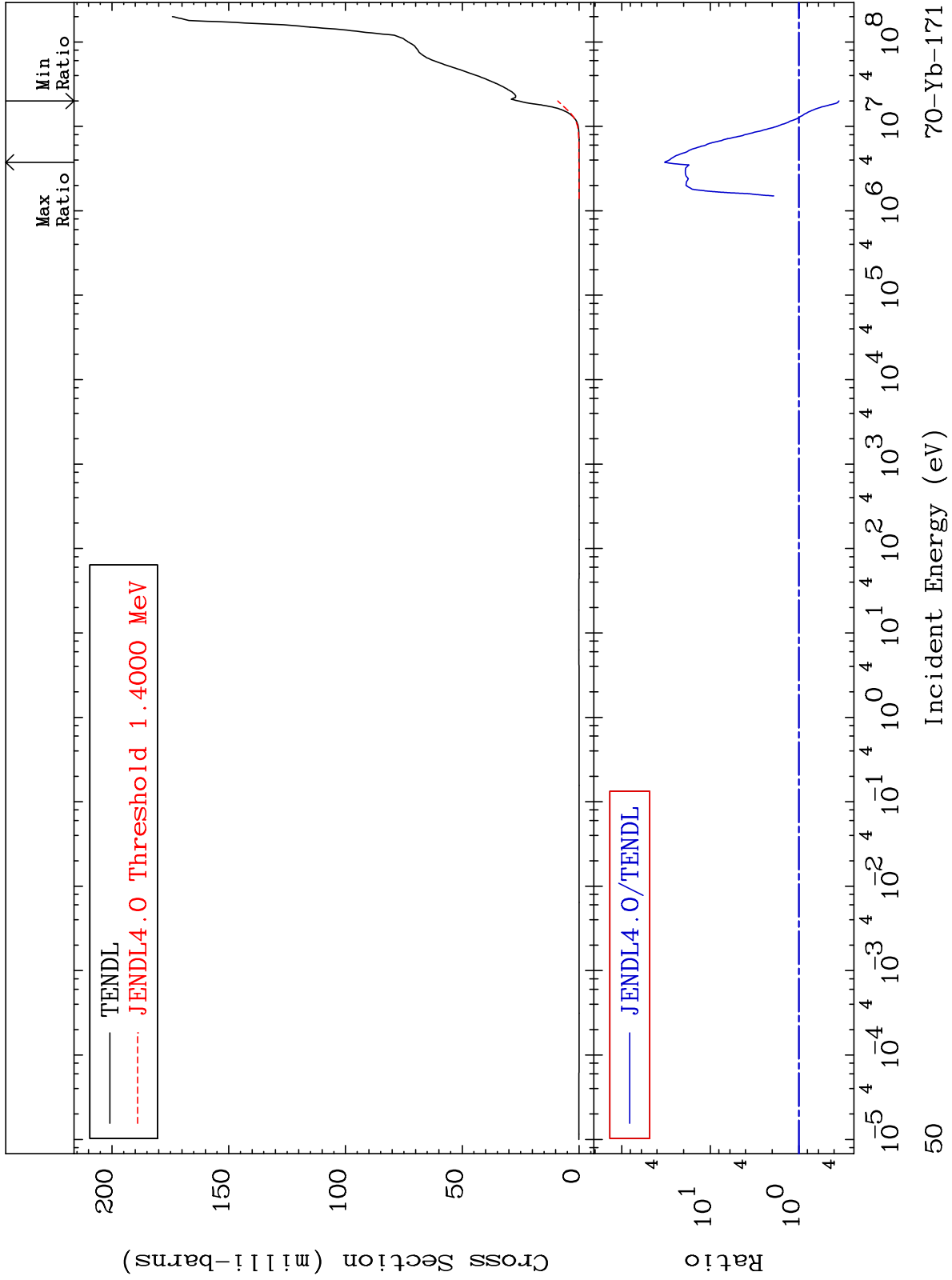
70-Yb-171
391.2 To 9999. %



MAT 7034

He-4 Production
Cross Section

70-Yb-171
-64.87 To 3189. %

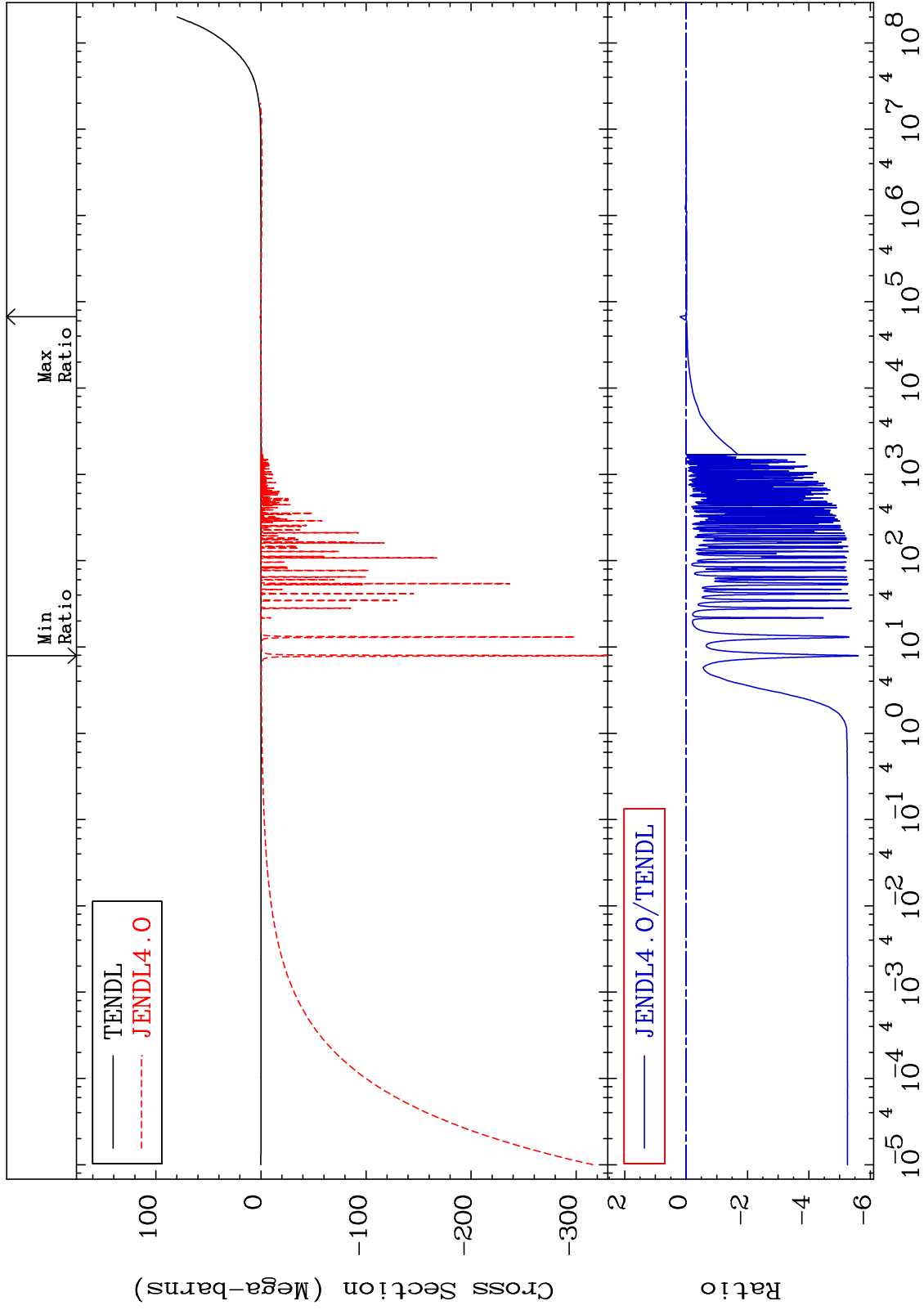


50

MAT 7034

Kerma total (eV-barns)
Cross Section

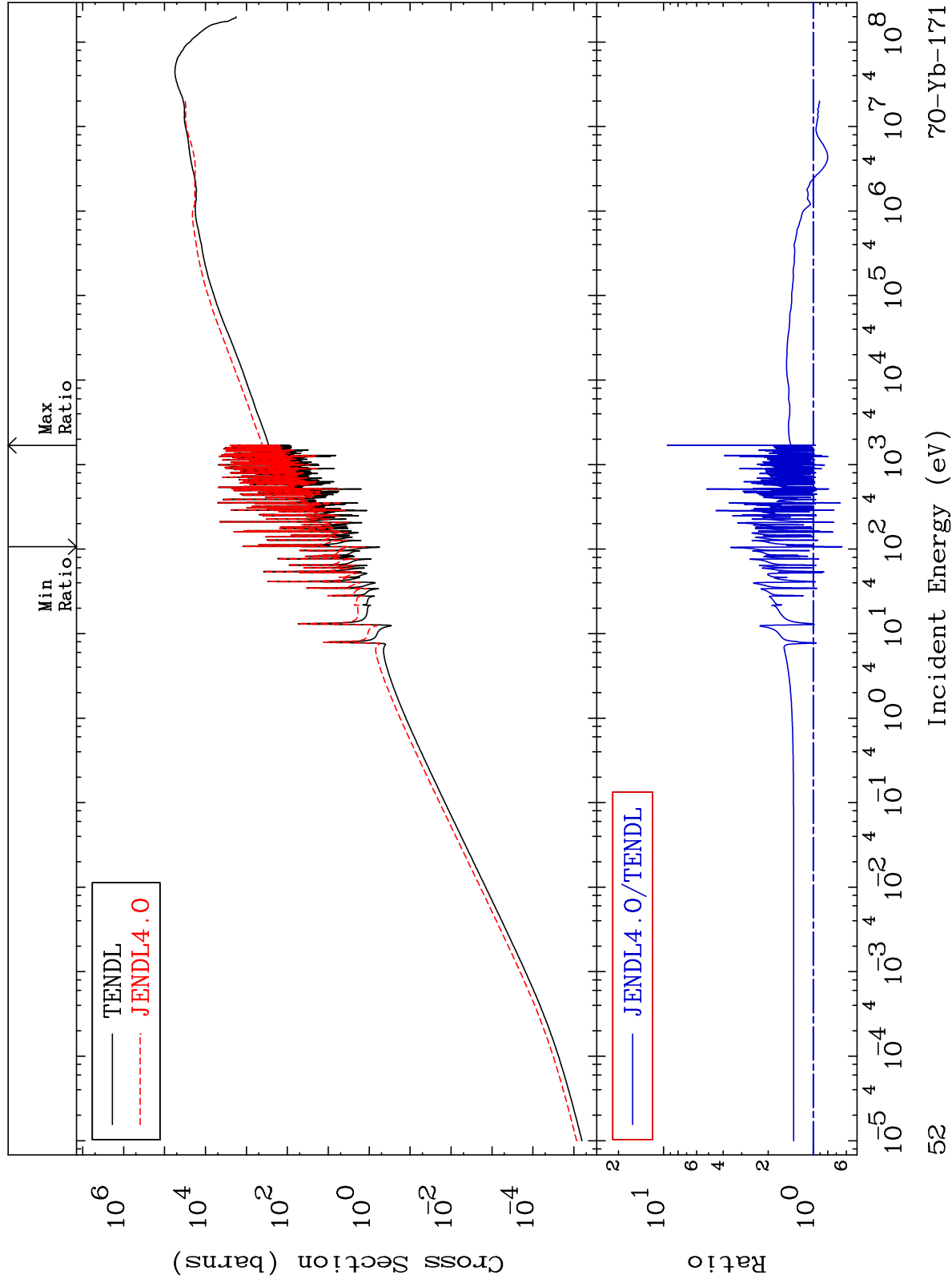
70-Yb-171
-9999. To 9999. %



MAT 7034

Kerma elastic
Cross Section

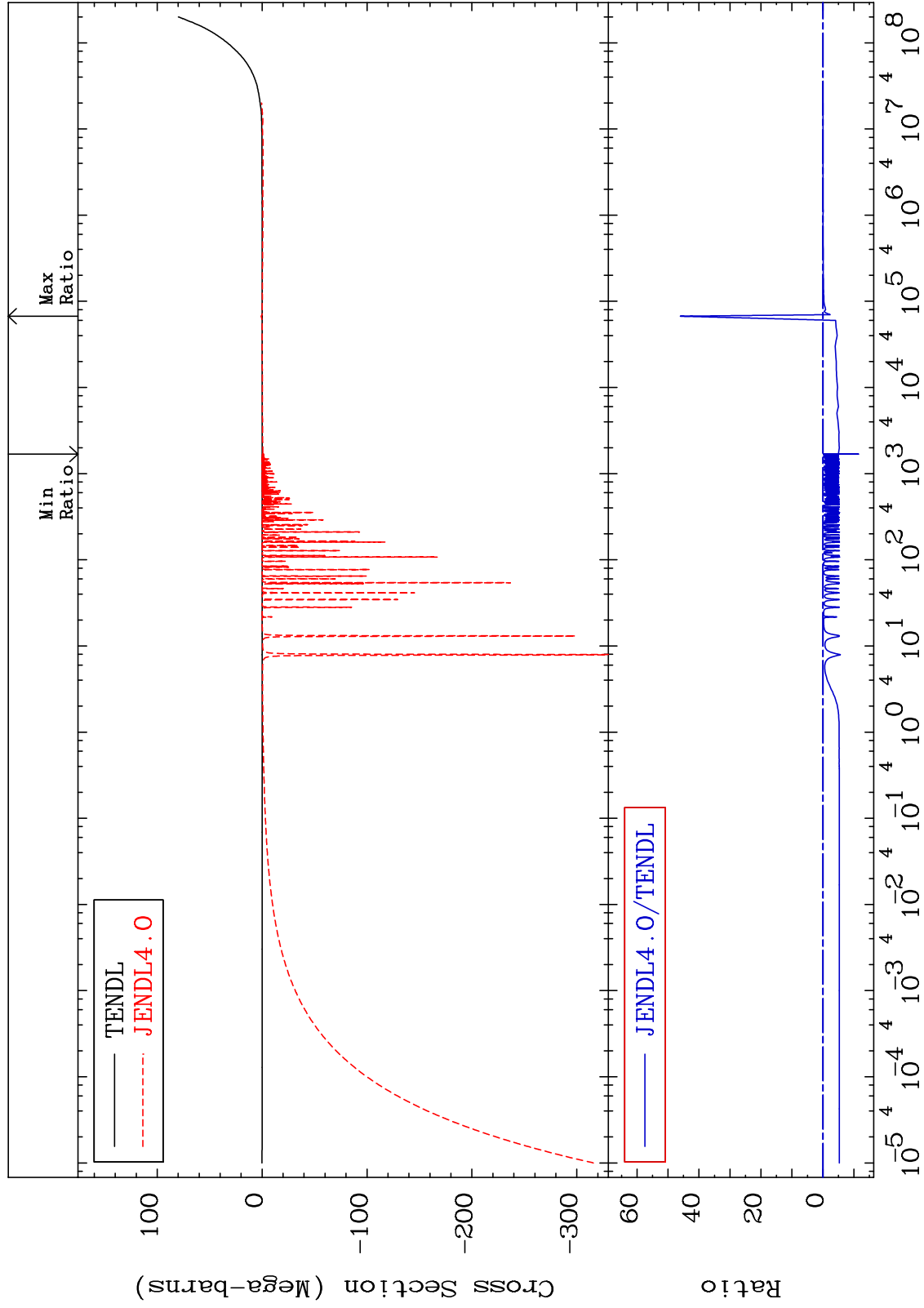
70-Yb-171
-35.93 To 840.6 %



MAT 7034

Kerma non-elastic (all but mt2)
Cross Section

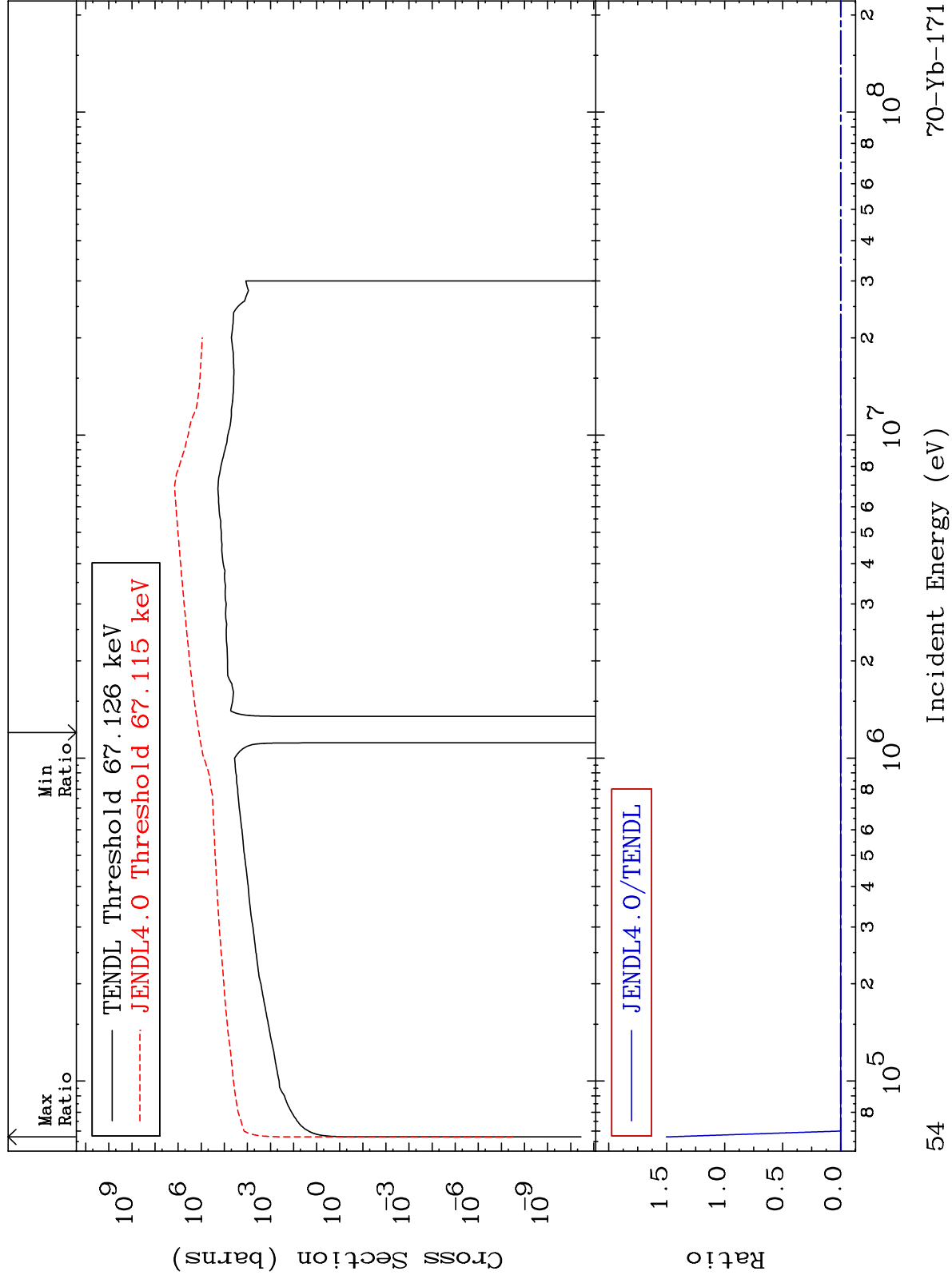
70-Yb-171
-9999. To 9999. %



MAT 7034

Kerma inelastic (mt51-91)
Cross Section

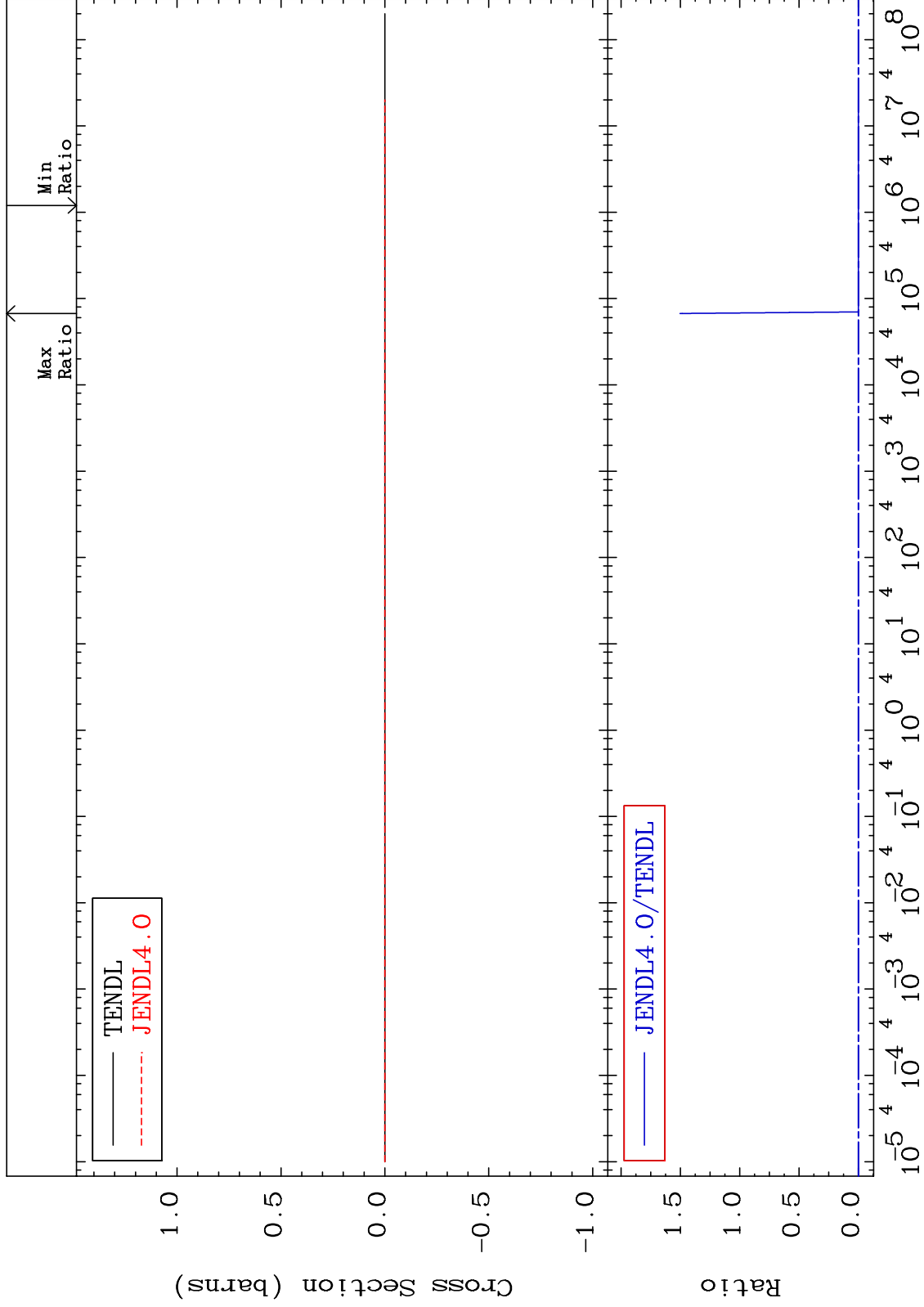
70-Yb-171
-3371. To 9999. %



MAT 7034

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

70-Yb-171
-3371. To 9999. %



55

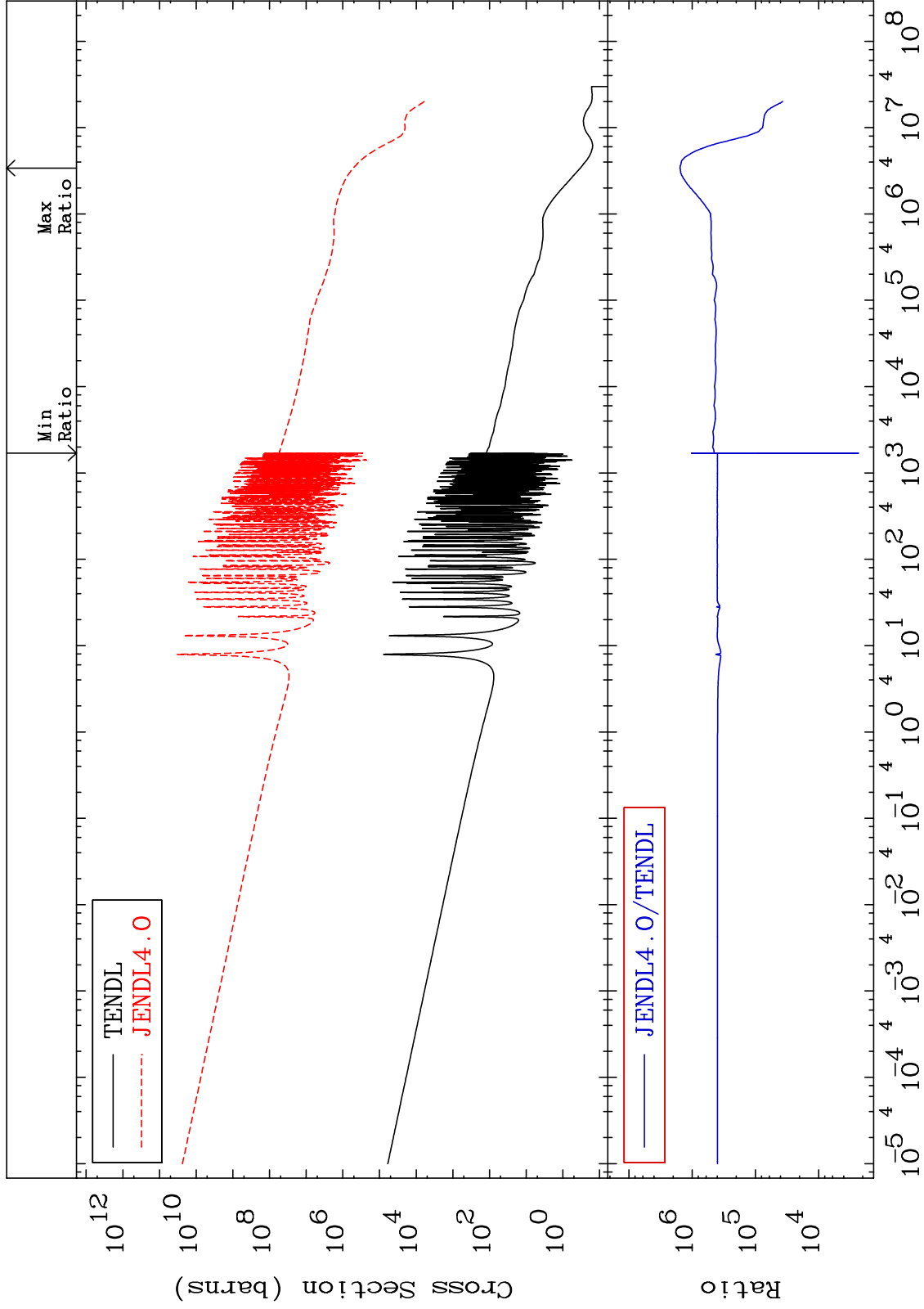
Incident Energy (eV)

70-Yb-171

MAT 7034

Kerma capture (mt102)
Cross Section

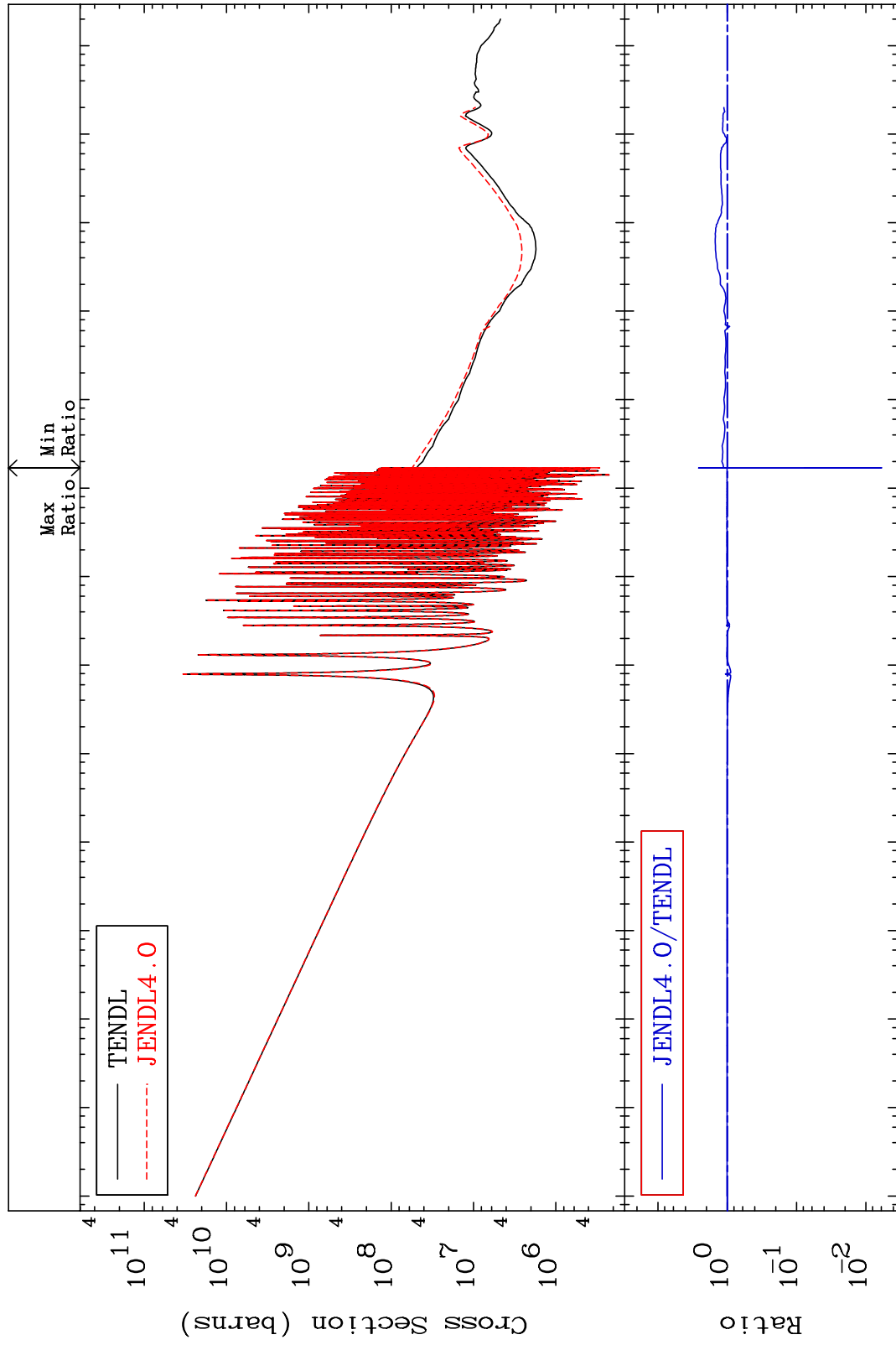
70-Yb-171
9999. To 9999. %



MAT 7034

Total photon (eV-barns)
Cross Section

70-Yb-171
-99.41 To 157.8 %



57

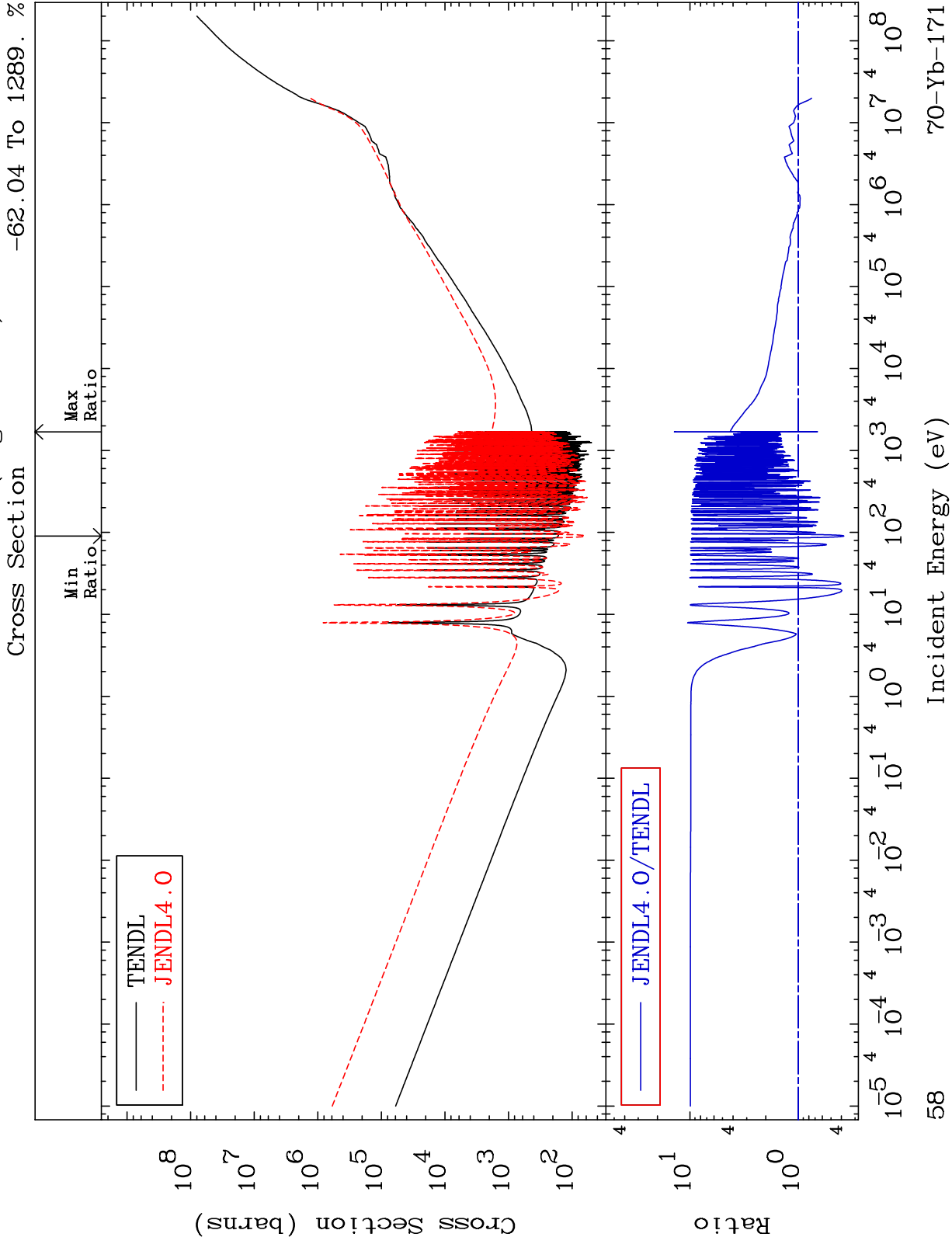
Incident Energy (eV)

70-Yb-171

MAT 7034

Total kinematic kerma (high limit)

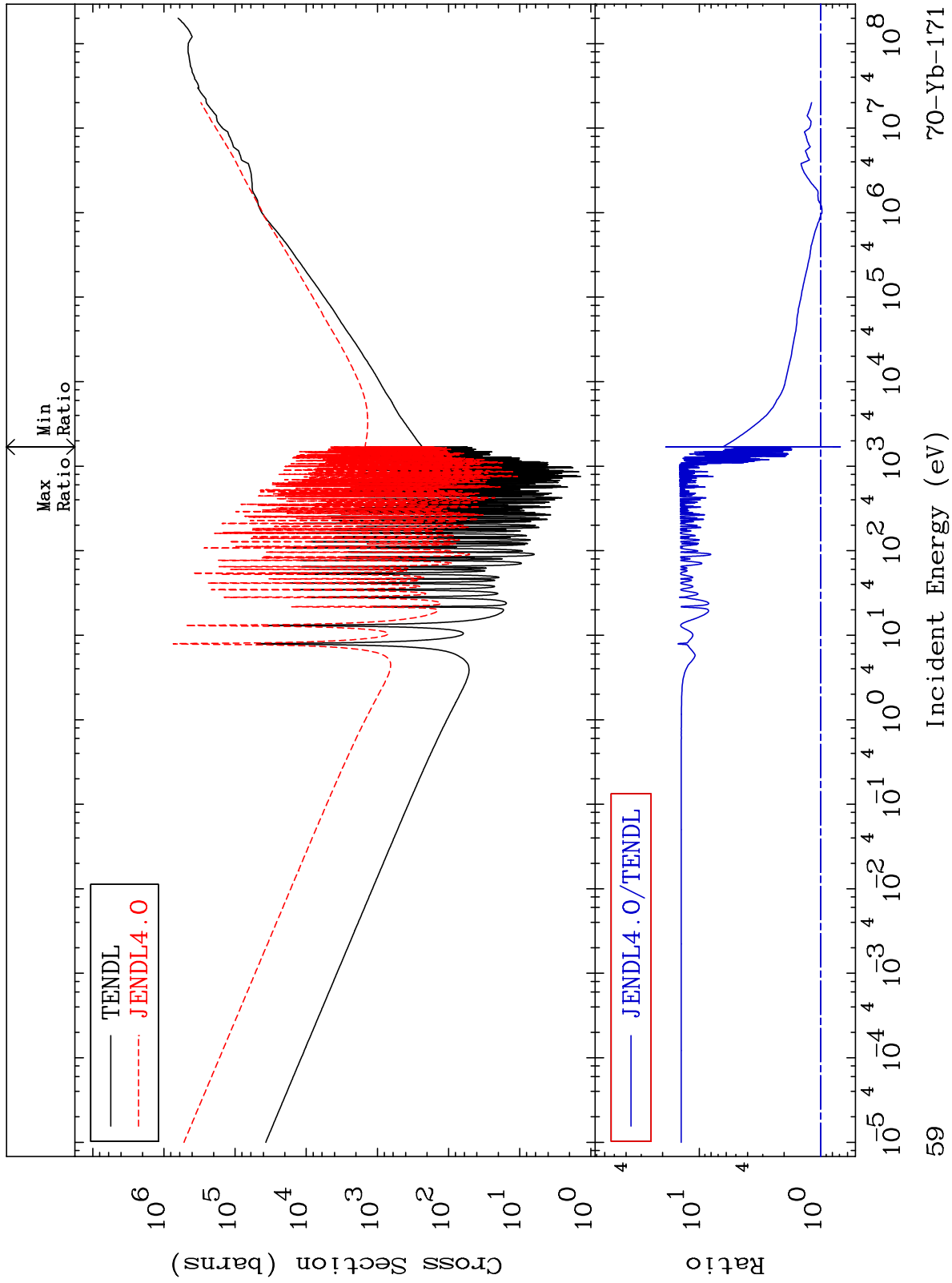
70-Yb-171
-62.04 To 1289. %



MAT 7034

Dpa total (eV-barns)

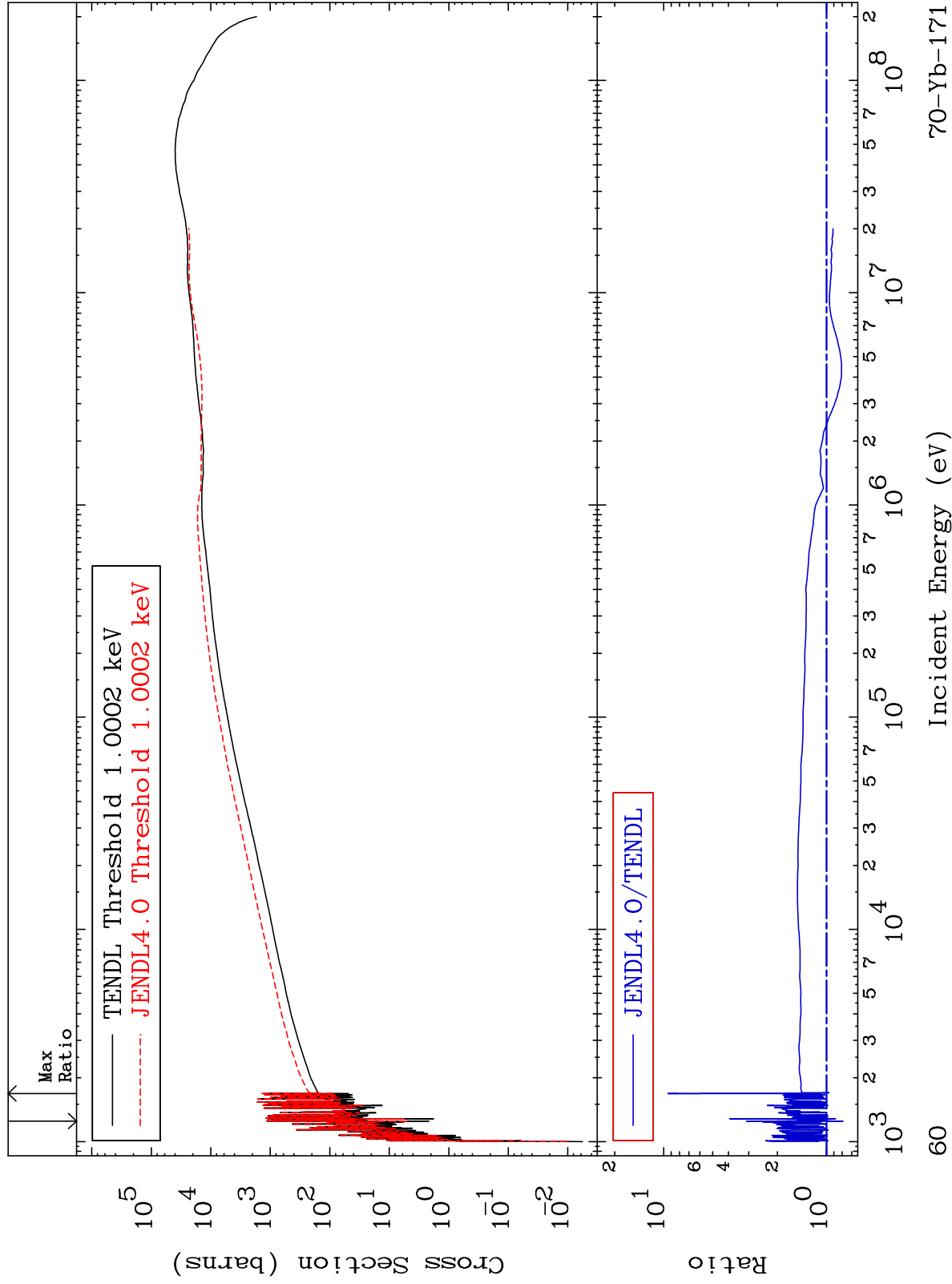
70-Yb-171
-31.52 To 1783. %



MAT 7034

Dpa elastic (mt2)
Cross Section

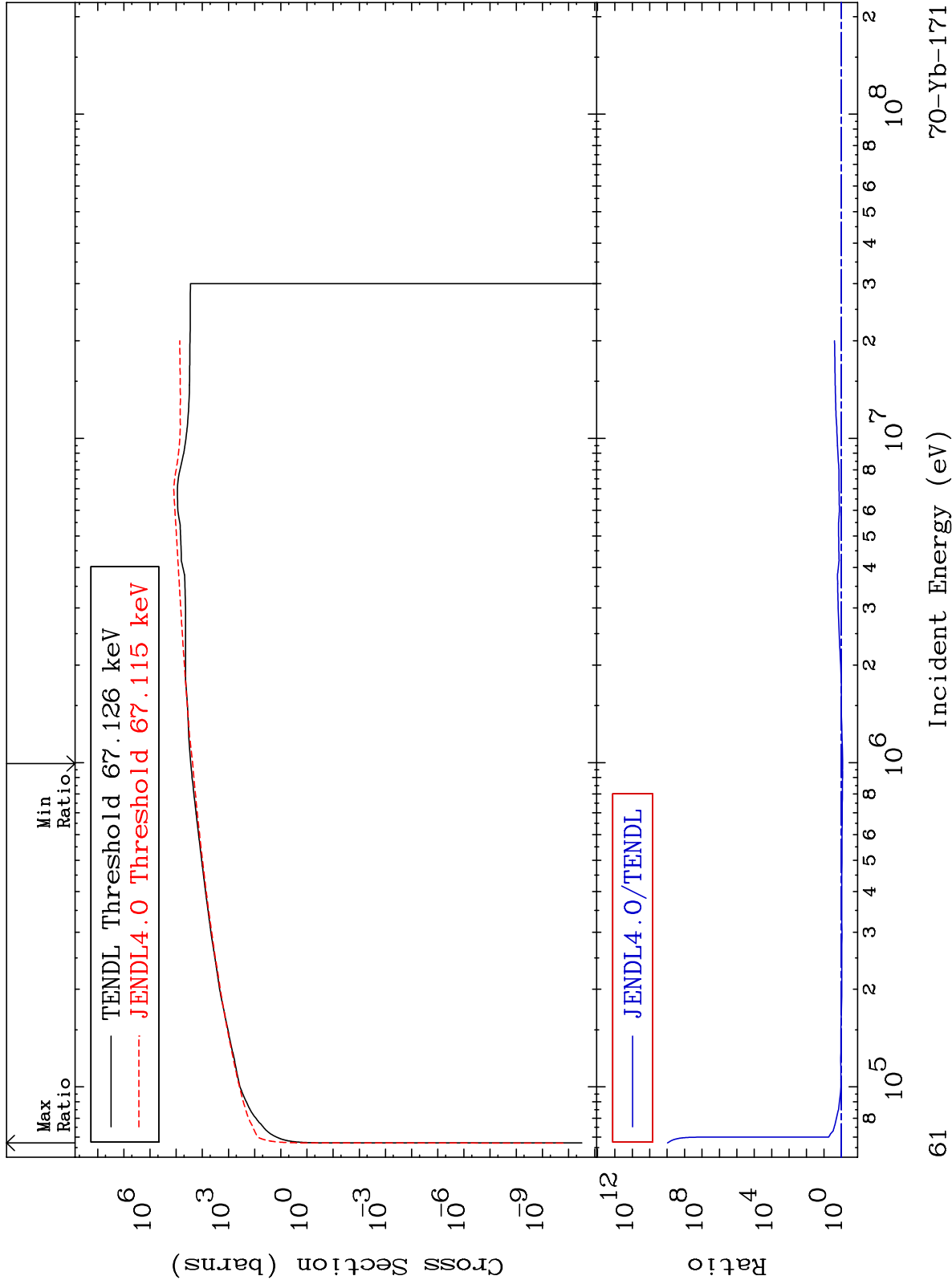
70-Yb-171
-20.69 To 840.4 %



MAT 7034

Dpa inelastic (mt51-91)
Cross Section

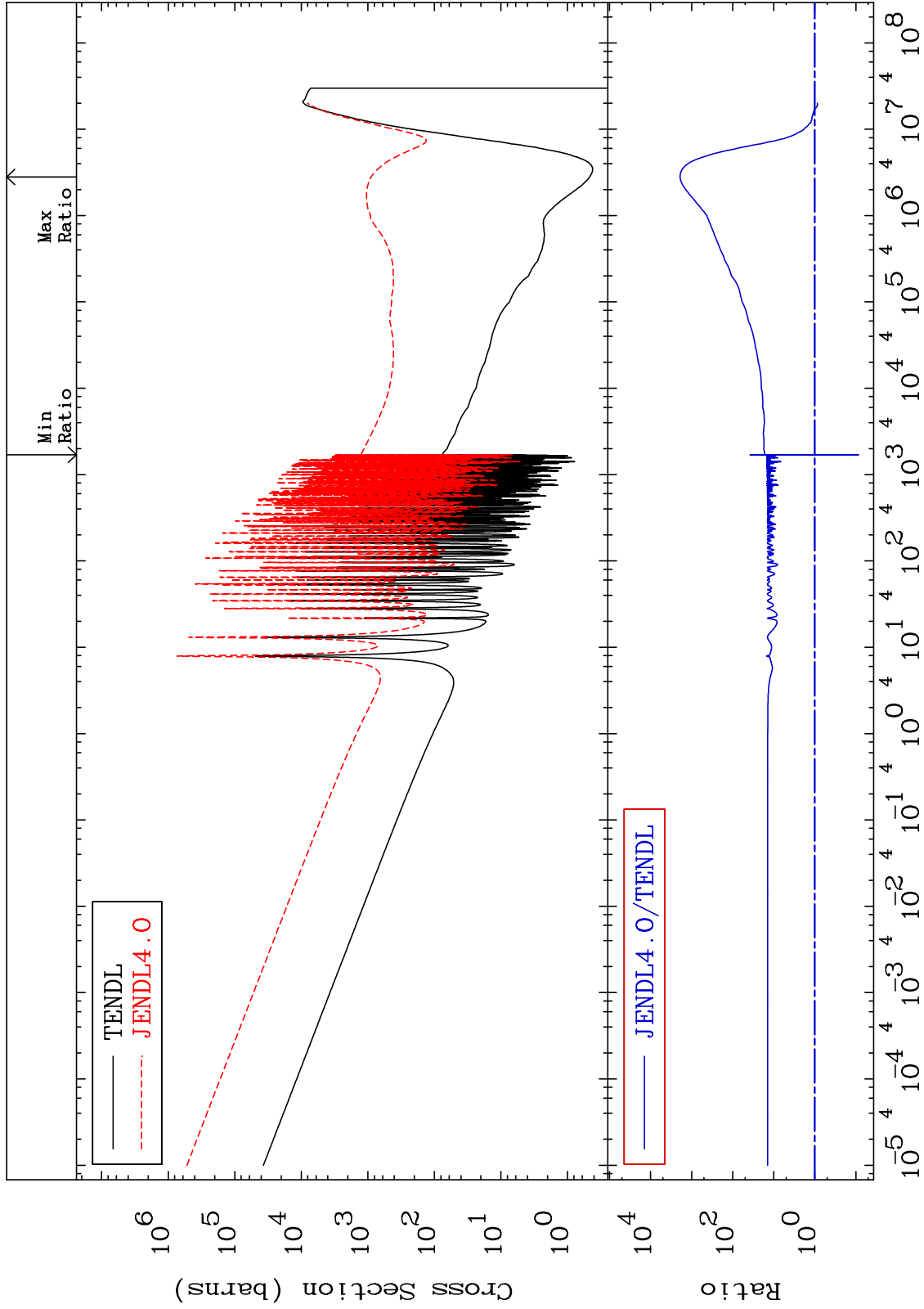
70-Yb-171
-15.66 To 9999. %



MAT 7034

Dpa disappearance (mt102 -120)
Cross Section

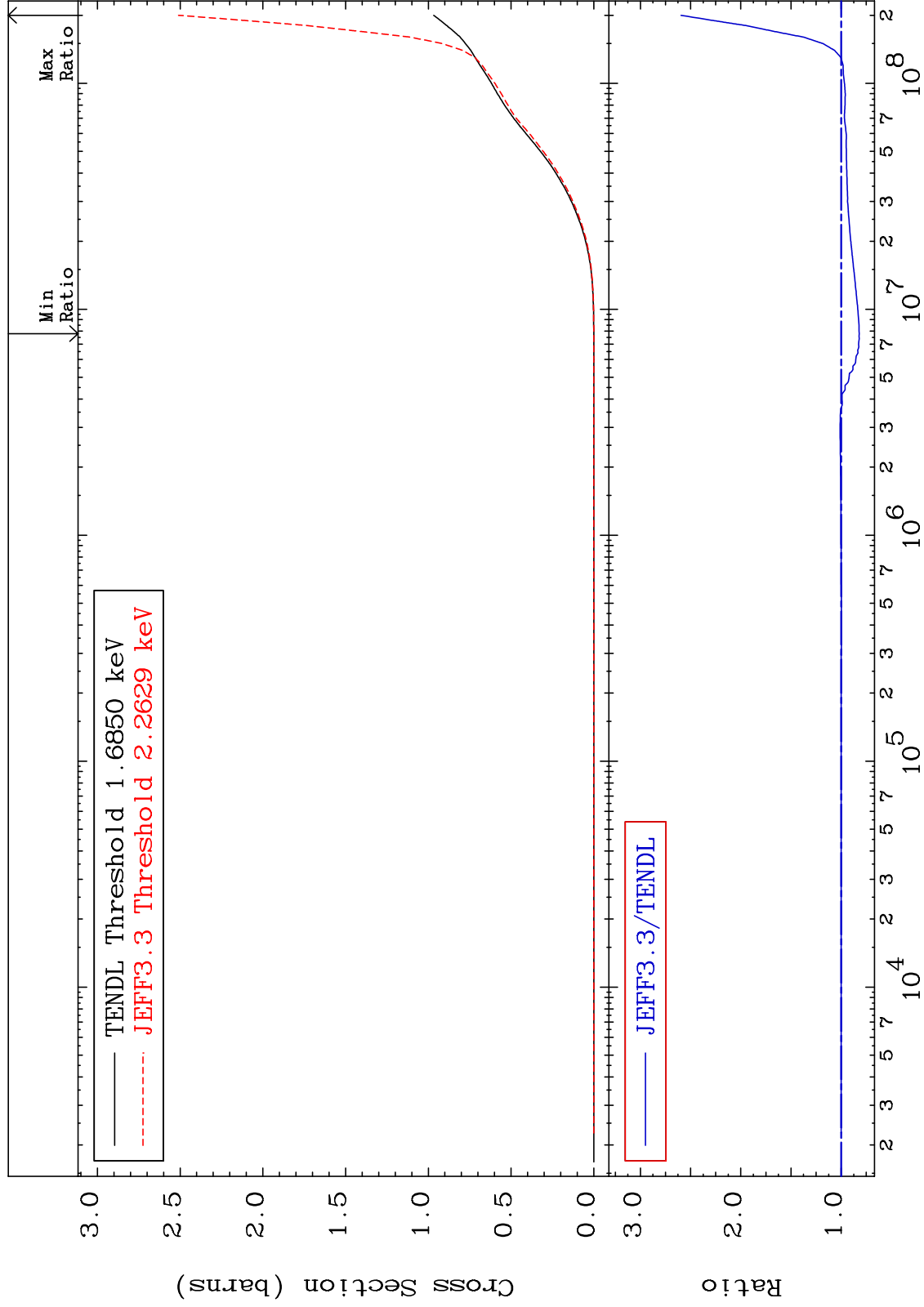
70-Yb-171
-91.31 To 9999. %



MAT 7034

Hydrogen Production
Cross Section

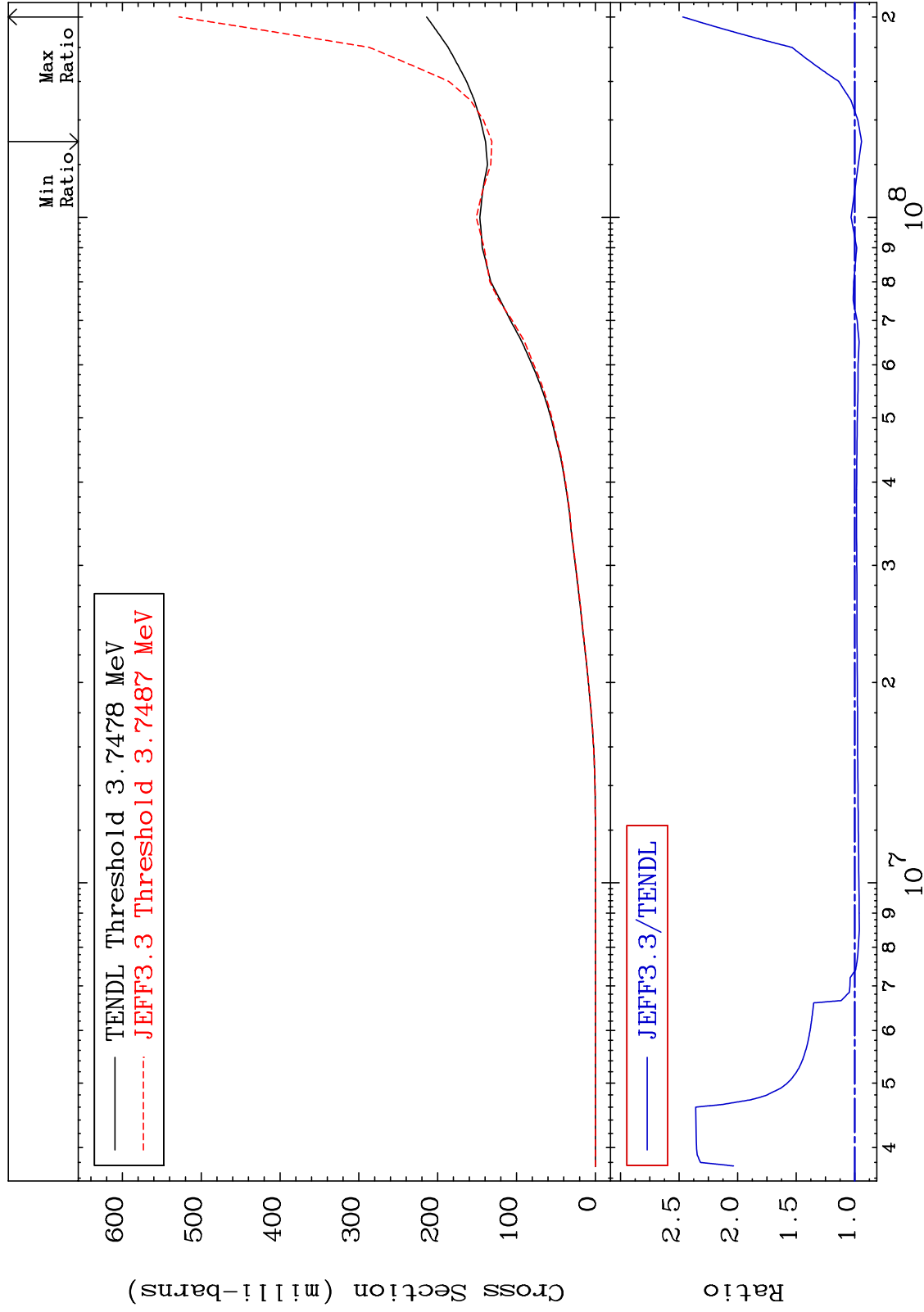
70-Yb-171
-18.03 To 159.5 %



MAT 7034

Deuterium Production
Cross Section

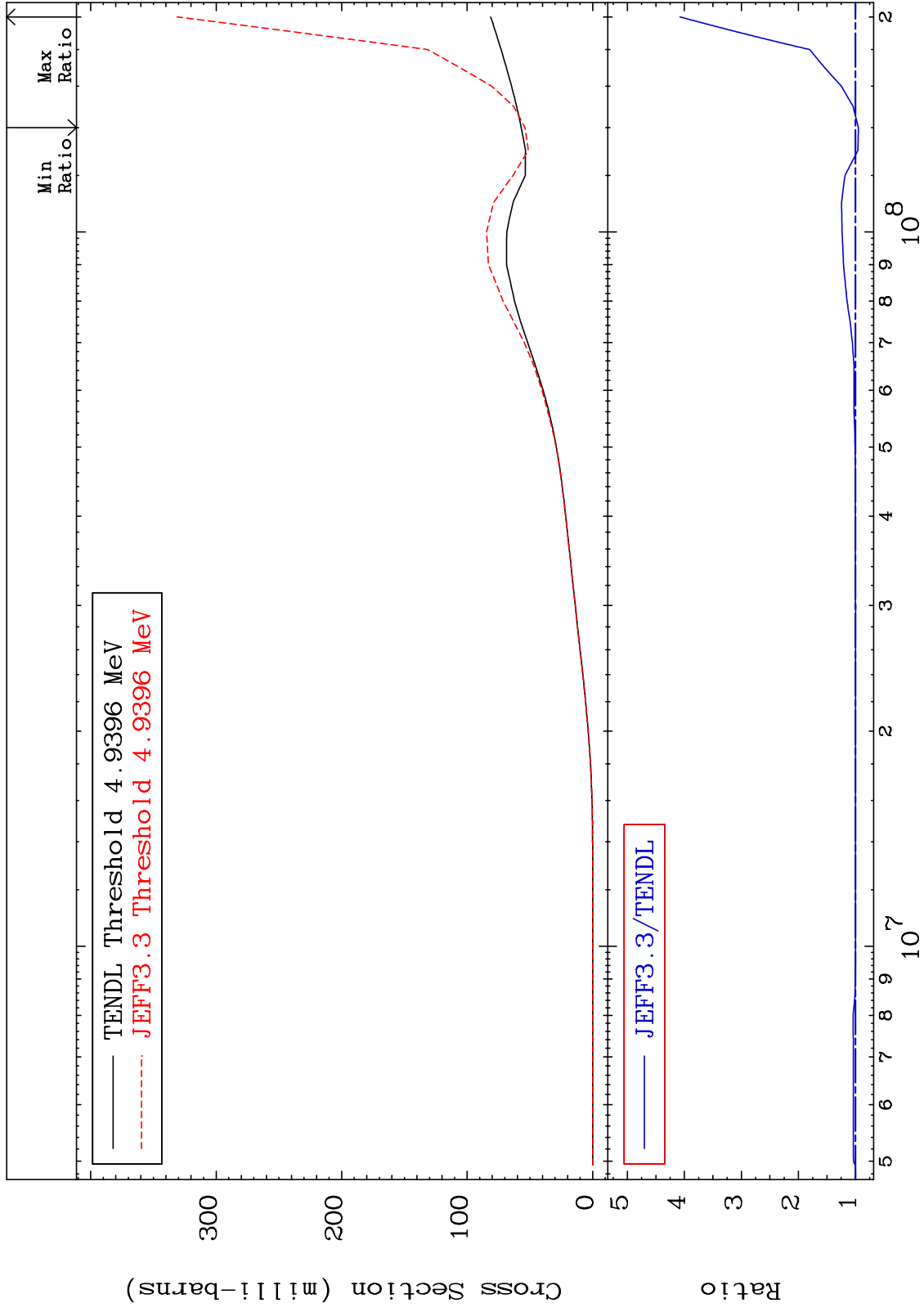
70-Yb-171
-5.759 To 146.7 %



MAT 7034

Tritium Production
Cross Section

70-Yb-171
-5.196 To 307.7 %



65

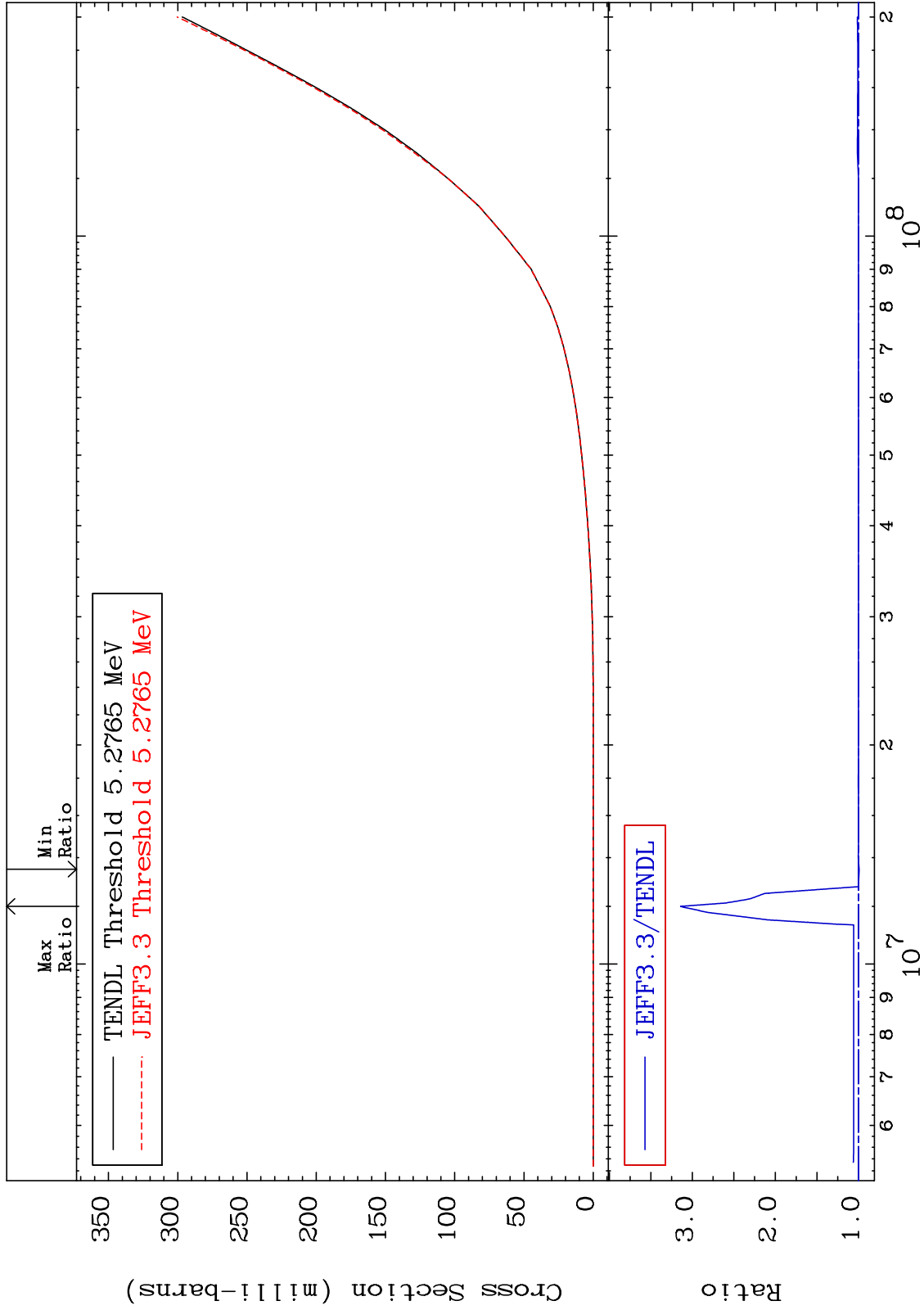
Incident Energy (eV)

70-Yb-171

MAT 7034

He-3 Production
Cross Section

70-Yb-171
-0.931 To 214.2 %



66

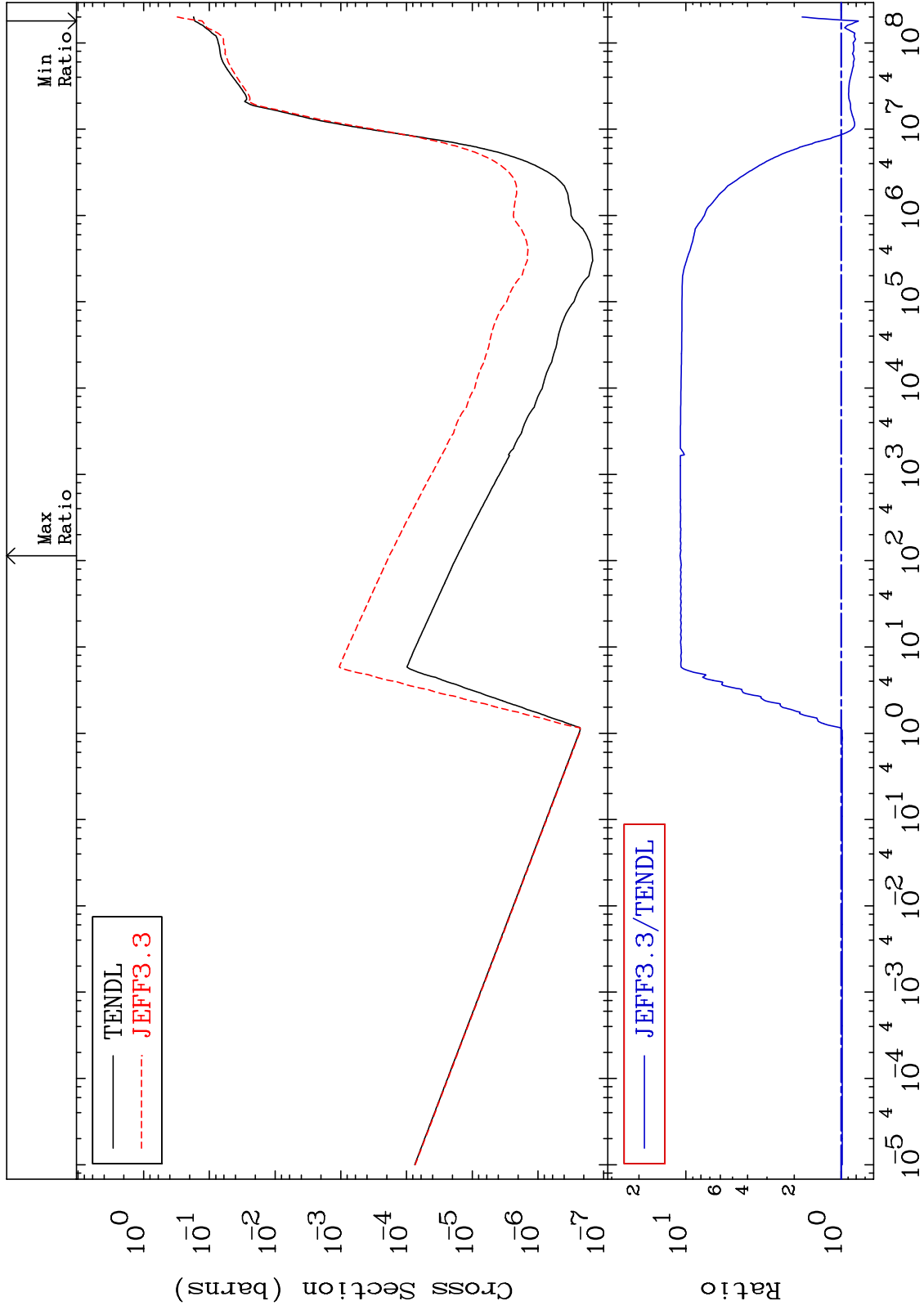
Incident Energy (eV)

70-Yb-171

MAT 7034

He-4 Production
Cross Section

70-Yb-171
-22.64 To 988.7 %



67

Incident Energy (eV)

70-Yb-171

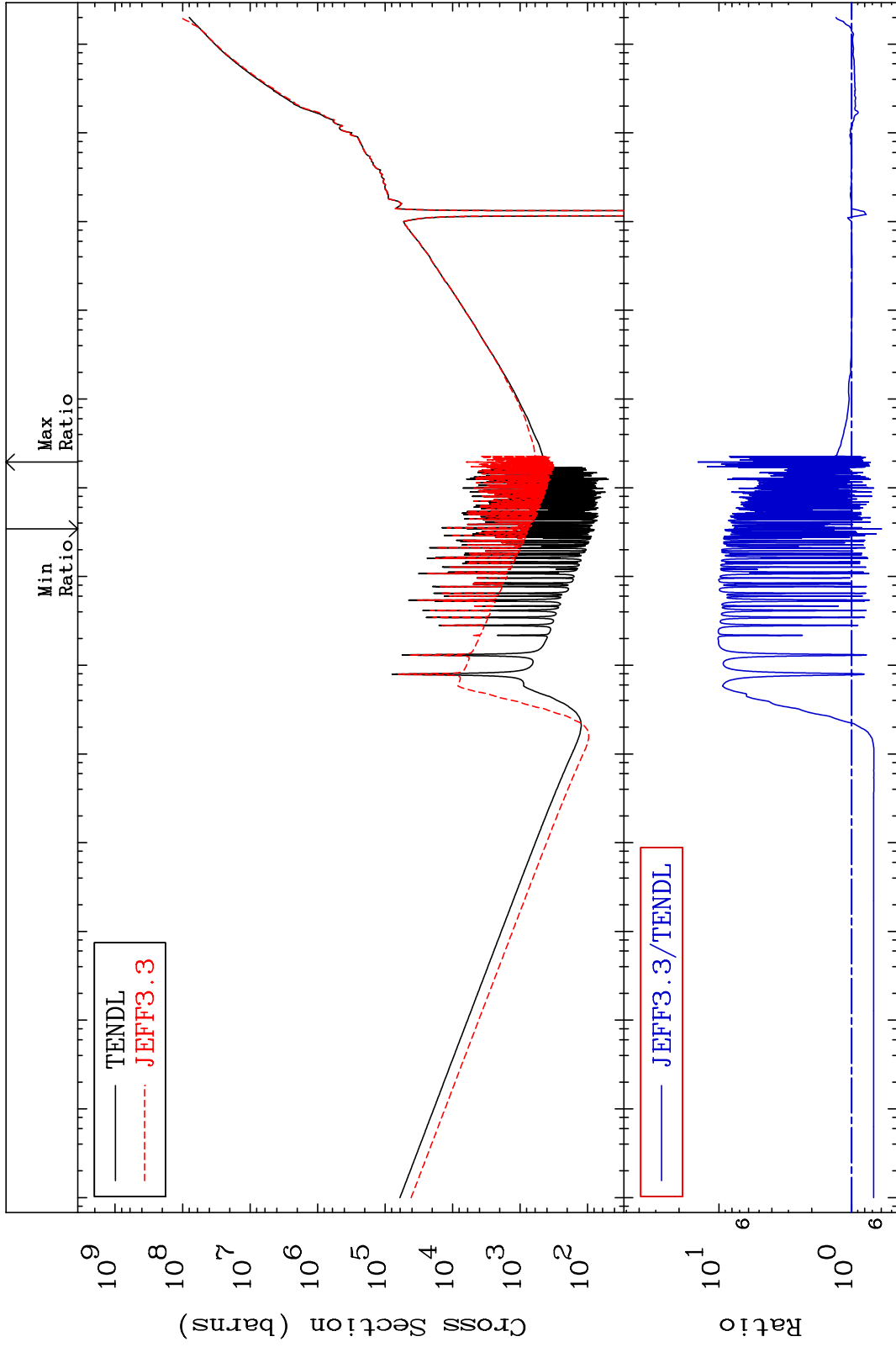
MAT 7034

Kerma total (eV-barns)

70-Yb-171

-40.38 To 1337. %

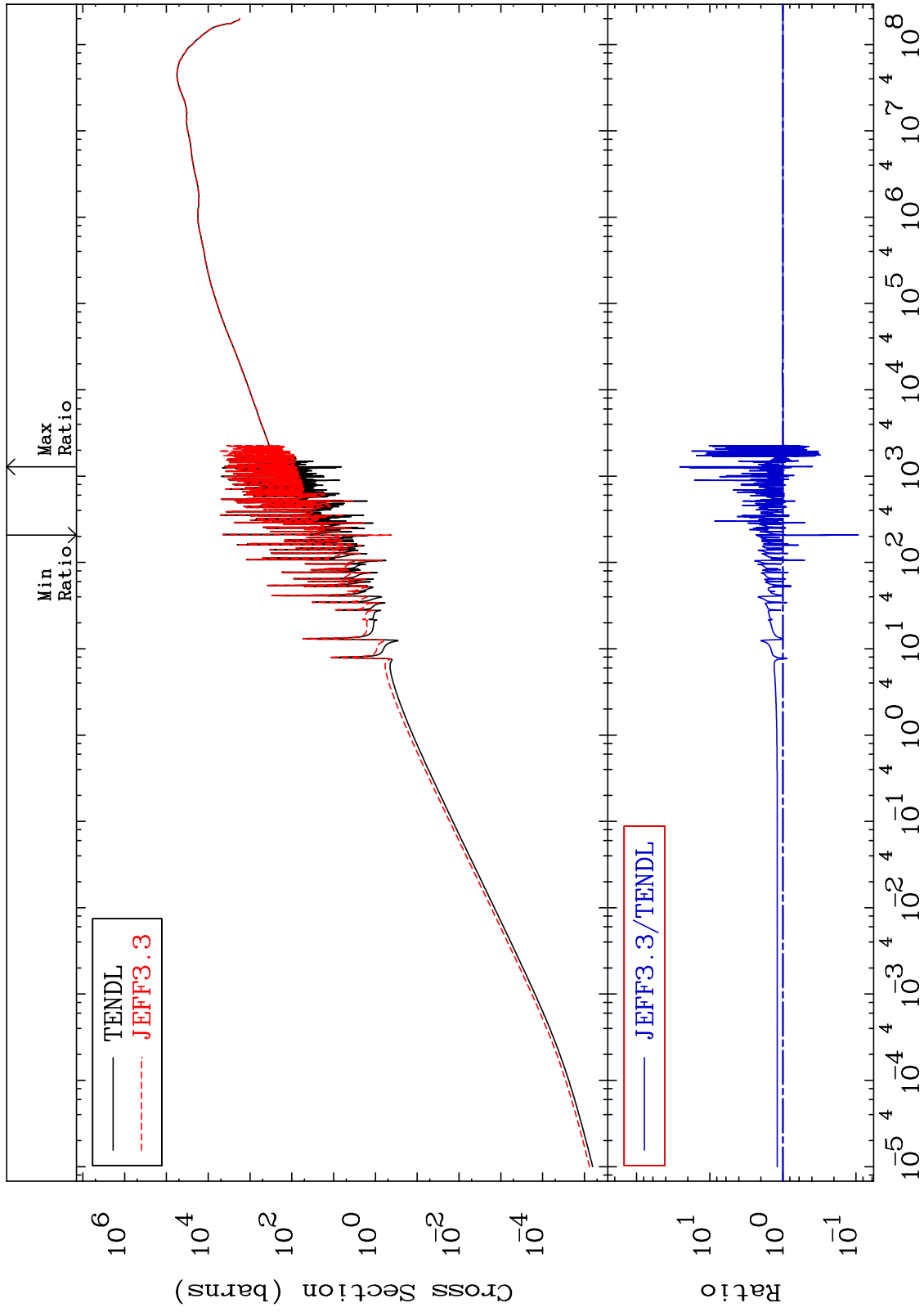
Cross Section



MAT 7034

Kerma elastic
Cross Section

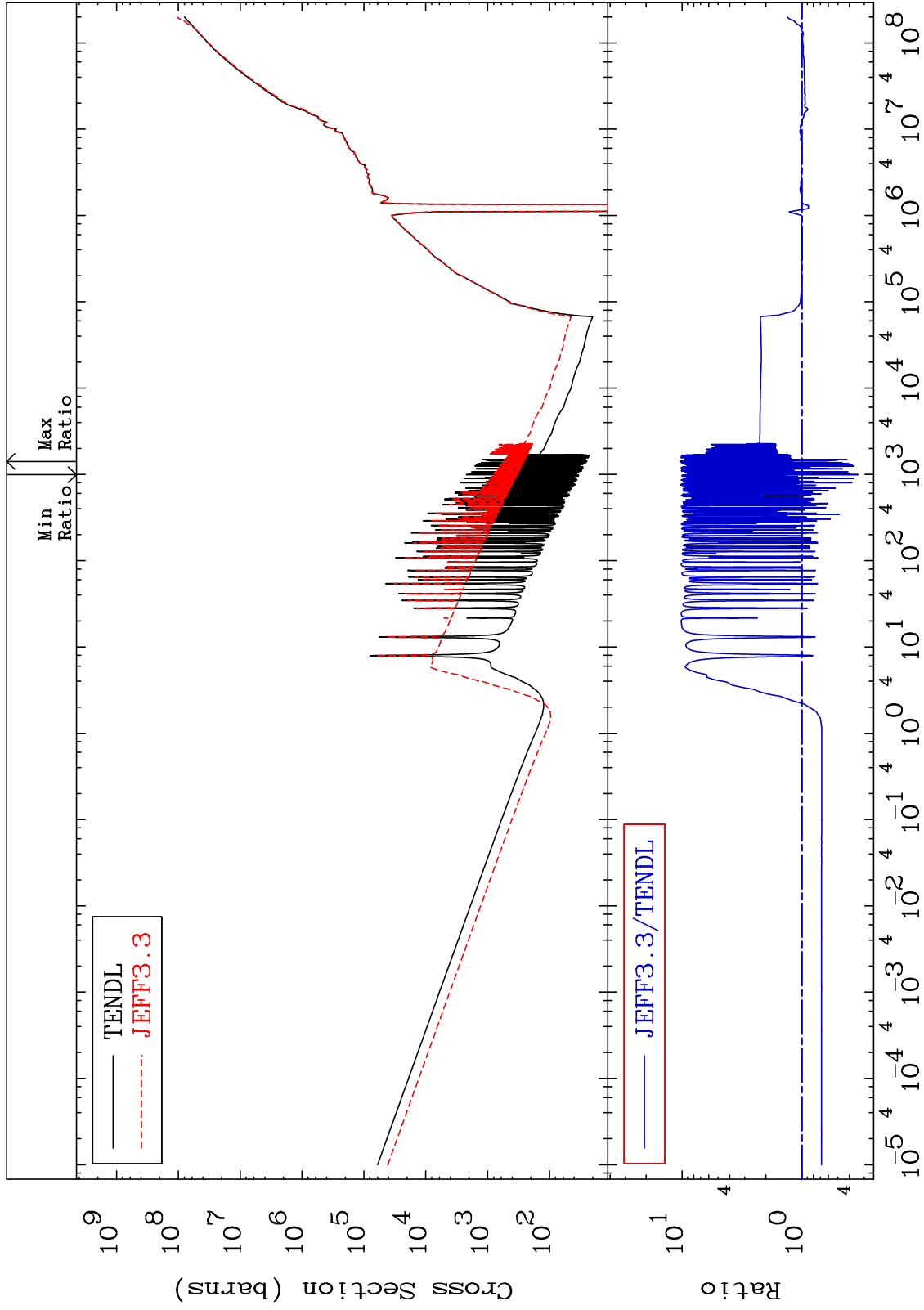
70-Yb-171
-90.75 To 2451. %



MAT 7034

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-171
-66.38 To 942.3 %



70

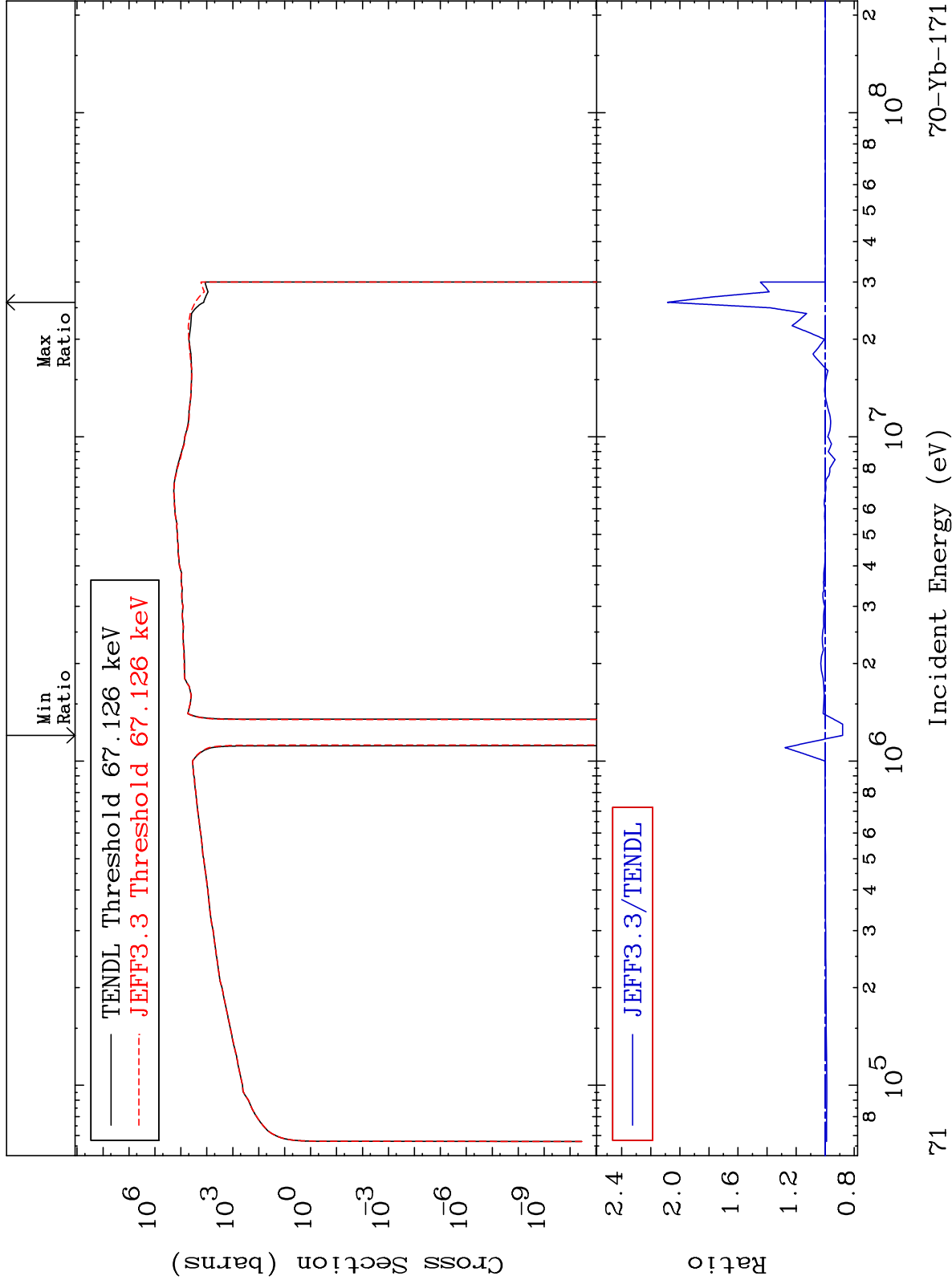
Incident Energy (eV)

70-Yb-171

MAT 7034

Kerma inelastic (mt51-91)
Cross Section

70-Yb-171
-12.01 To 108.5 %



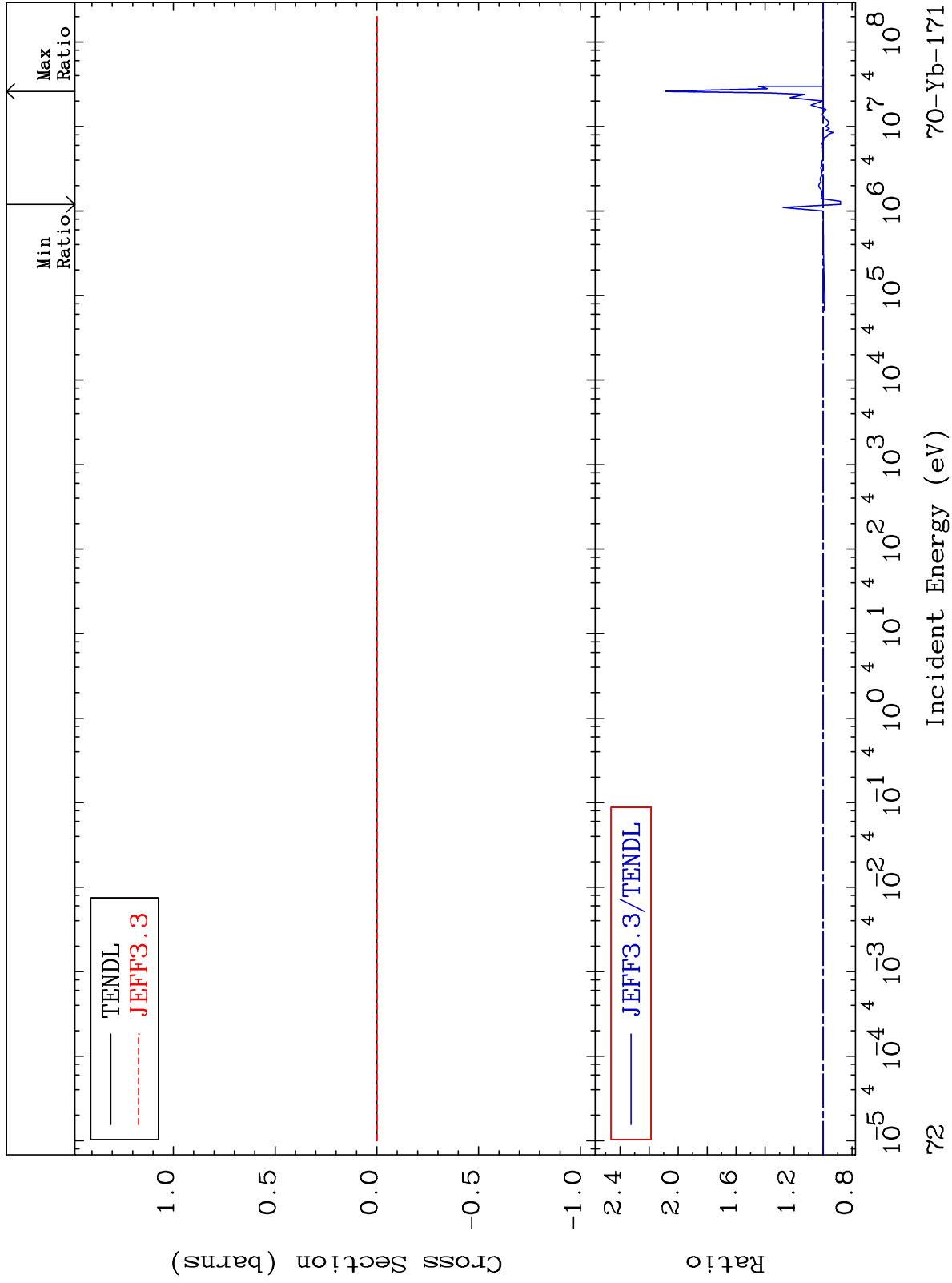
71

70-Yb-171

MAT 7034

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

70-Yb-171
-12.01 To 108.5 %



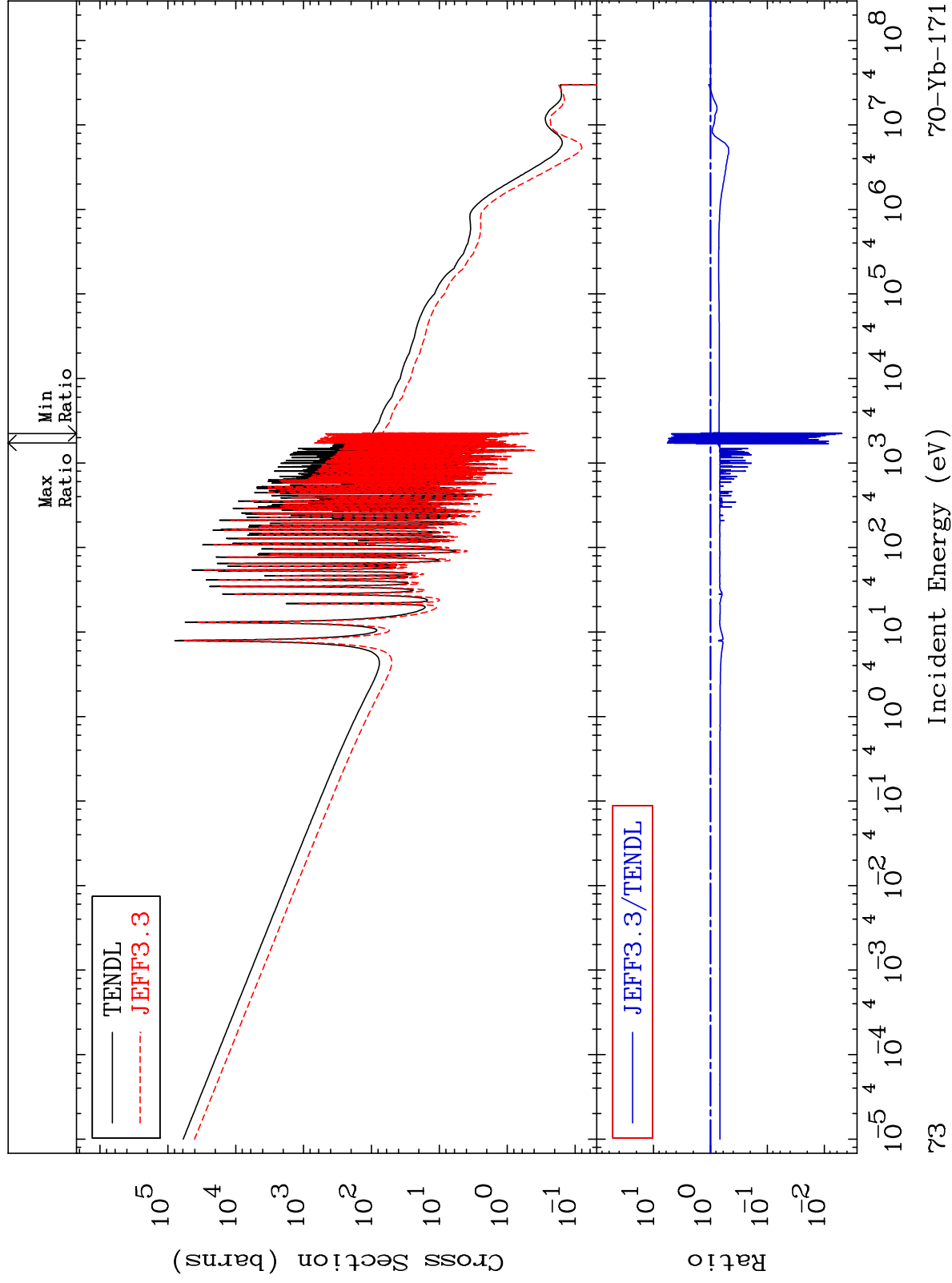
72

70-Yb-171

MAT 7034

Kerma capture (mt102)
Cross Section

70-Yb-171
-99.51 To 468.2 %



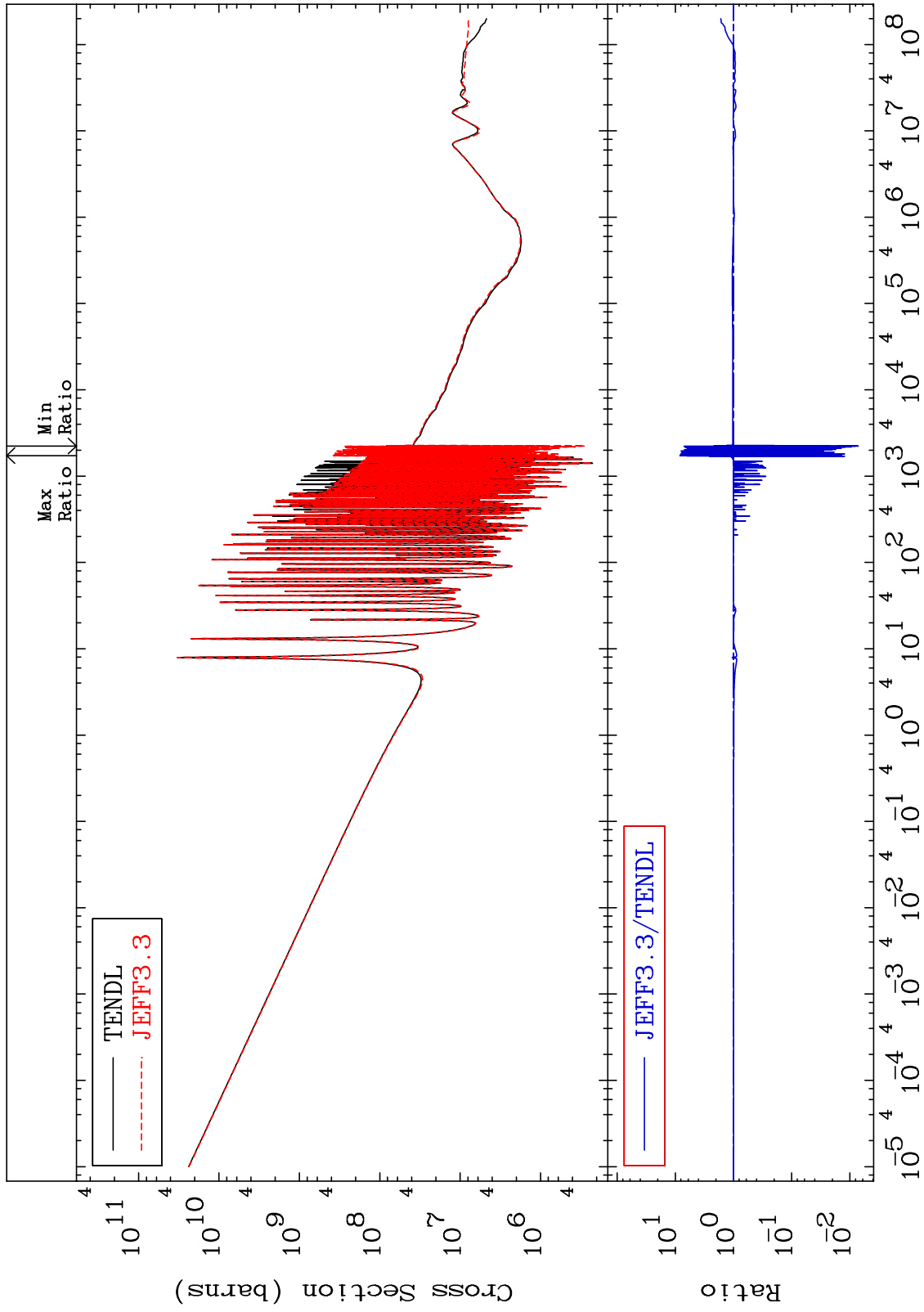
73

70-Yb-171

MAT 7034

Total photon (eV-barns)
Cross Section

70-Yb-171
-99.29 To 728.5 %



74

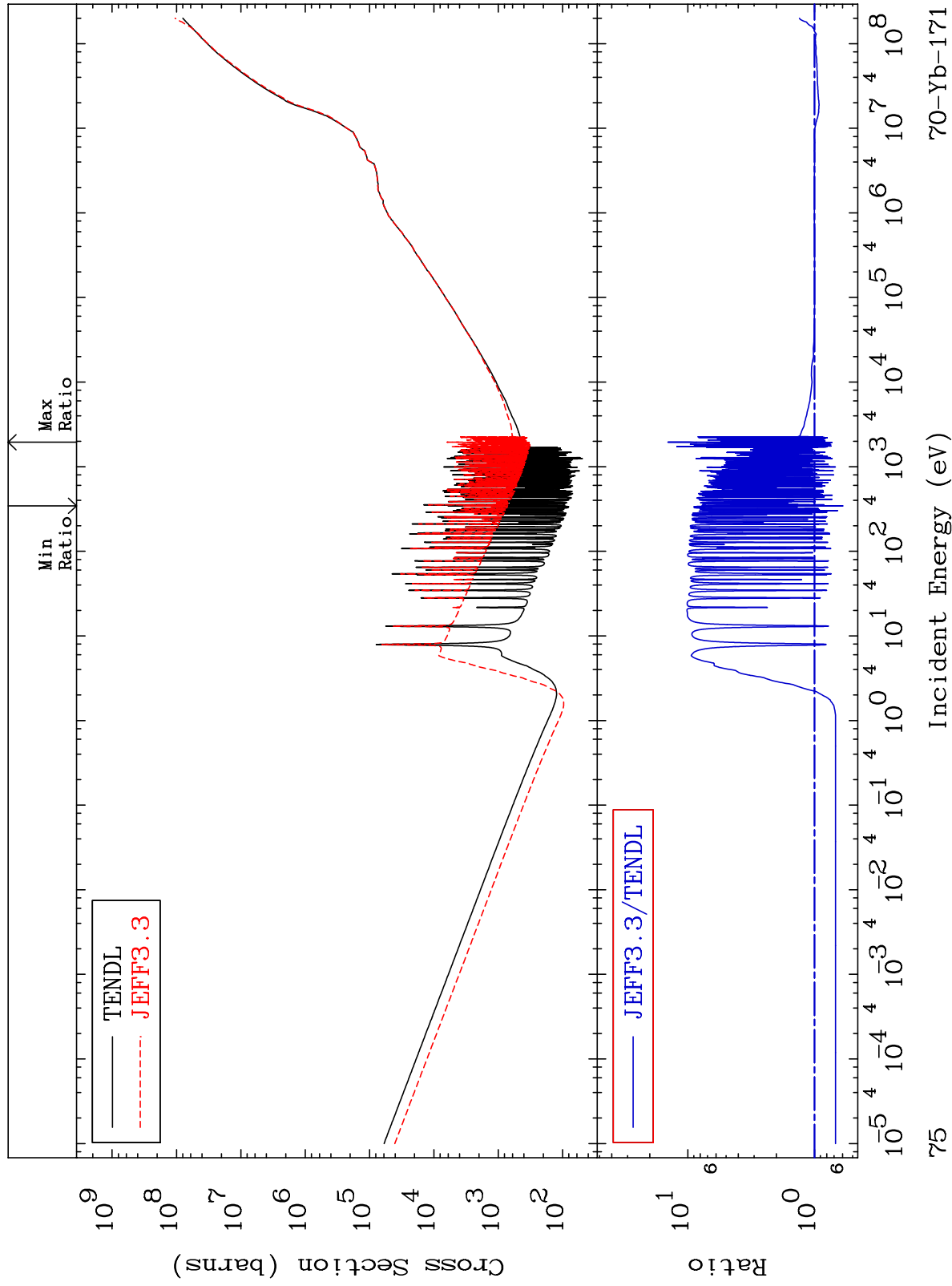
Incident Energy (eV)

70-Yb-171

MAT 7034

Total kinematic kerma (high limit)
Cross Section

70-Yb-171
-40.32 To 1337. %



75

70-Yb-171

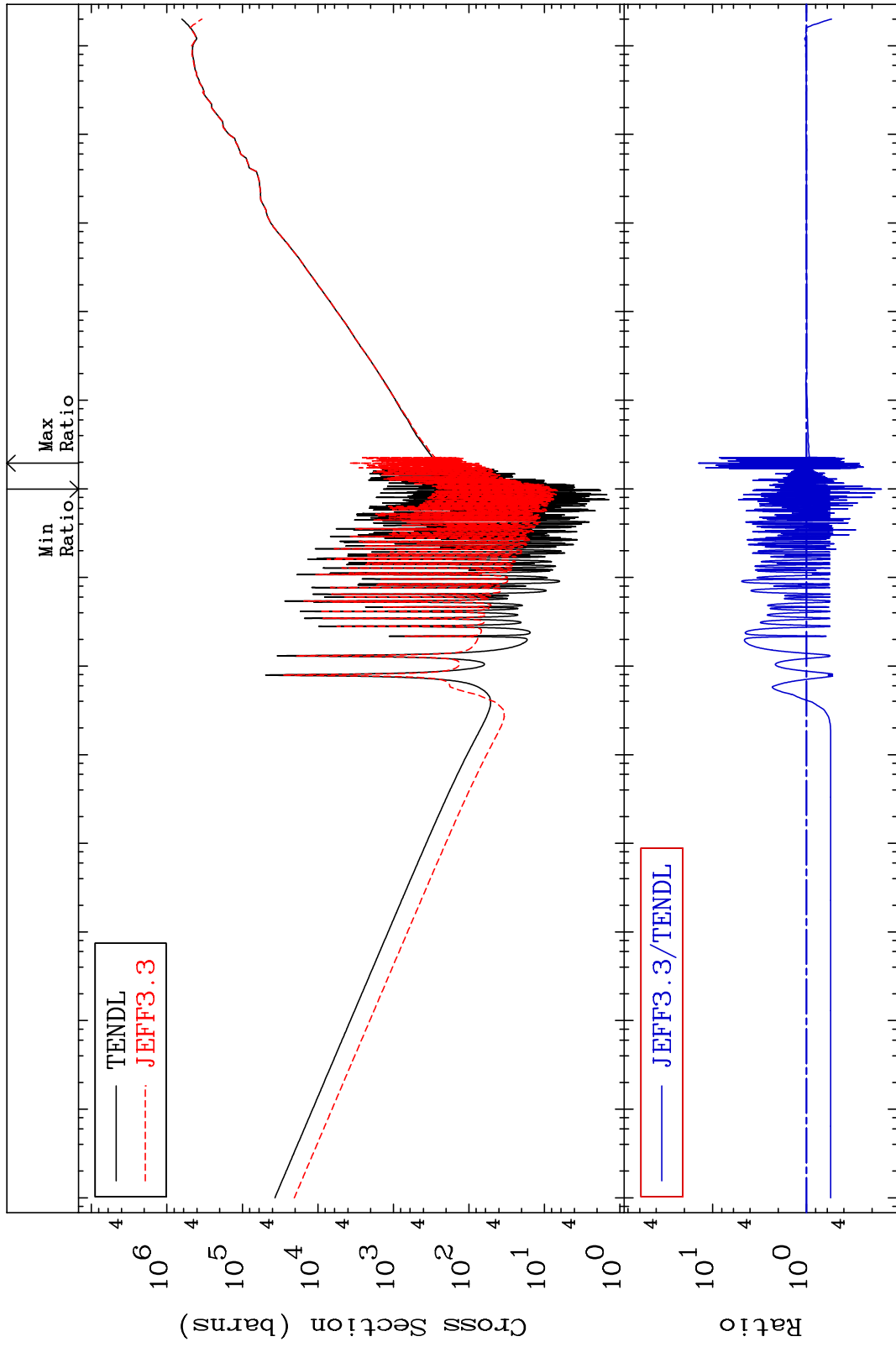
MAT 7034

Dpa total (eV-barns)

70-Yb-171

-84.16 To 1322. %

Cross Section



76

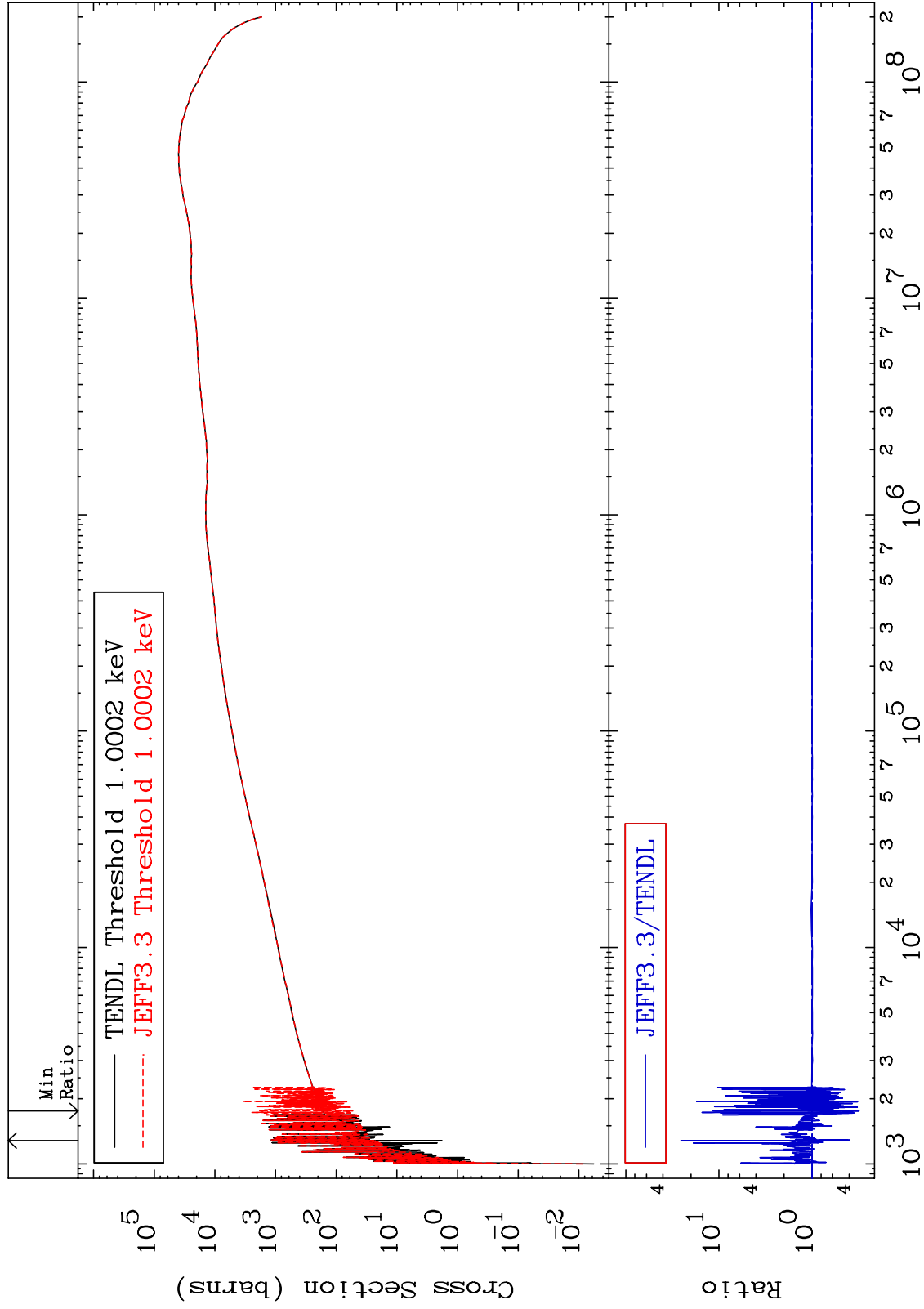
Incident Energy (eV)

70-Yb-171

MAT 7034

Dpa elastic (mt2)
Cross Section

70-Yb-171
-68.86 To 2451. %



77

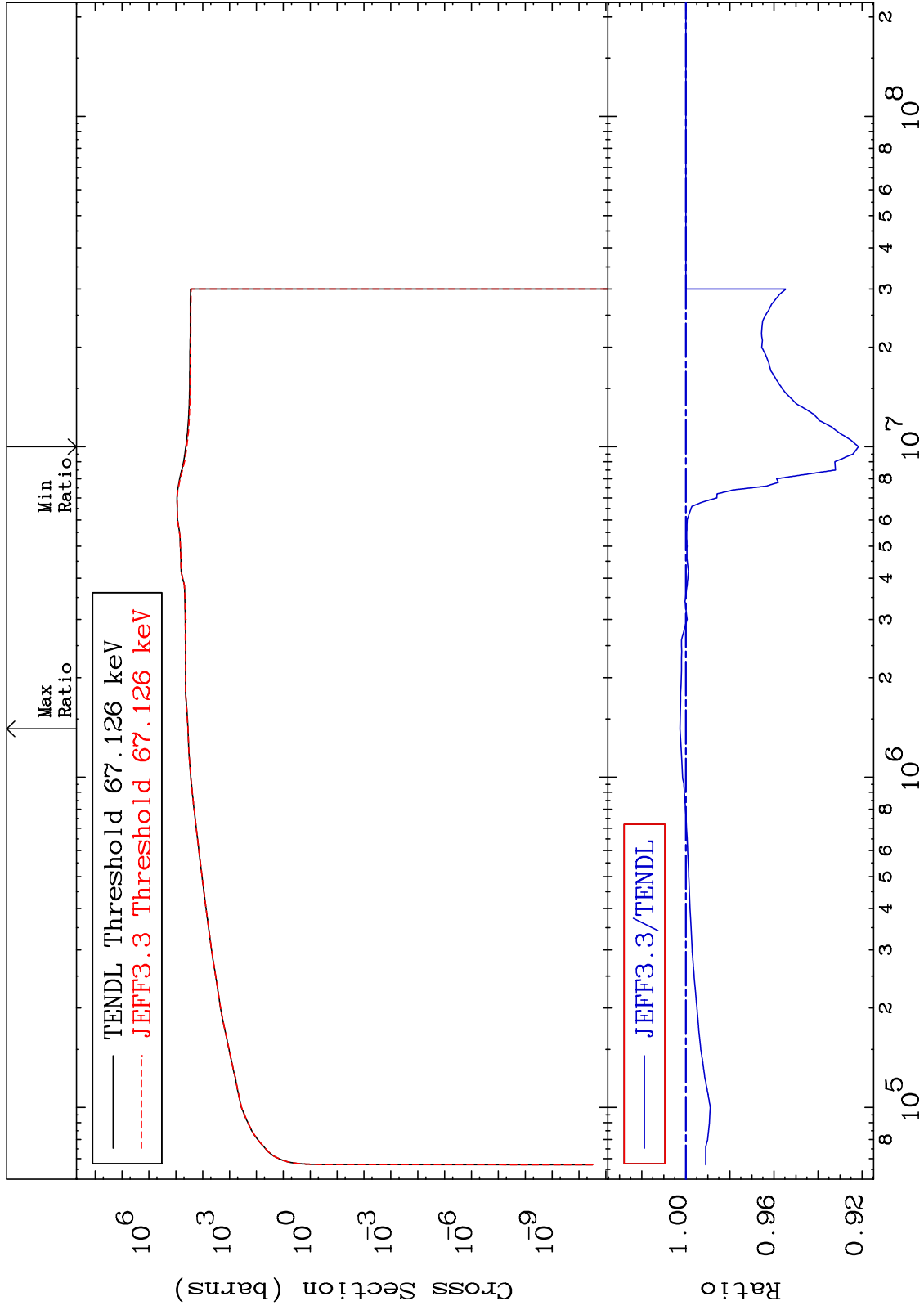
Incident Energy (eV)

70-Yb-171

MAT 7034

Dpa inelastic (mt51-91)
Cross Section

70-Yb-171
-7.835 To 0.260 %



78

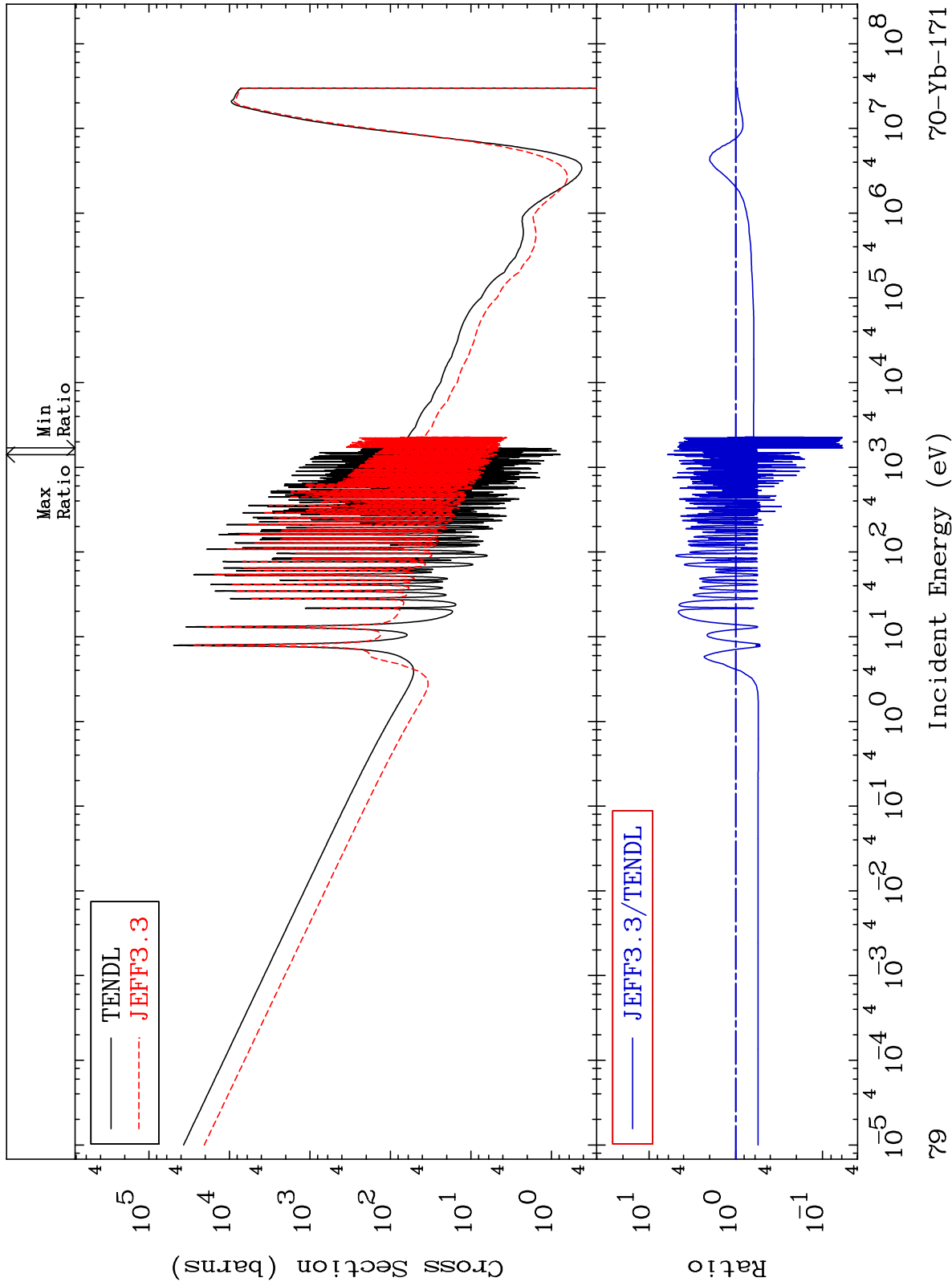
Incident Energy (eV)

70-Yb-171

MAT 7034

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-171
-94.13 To 512.1 %

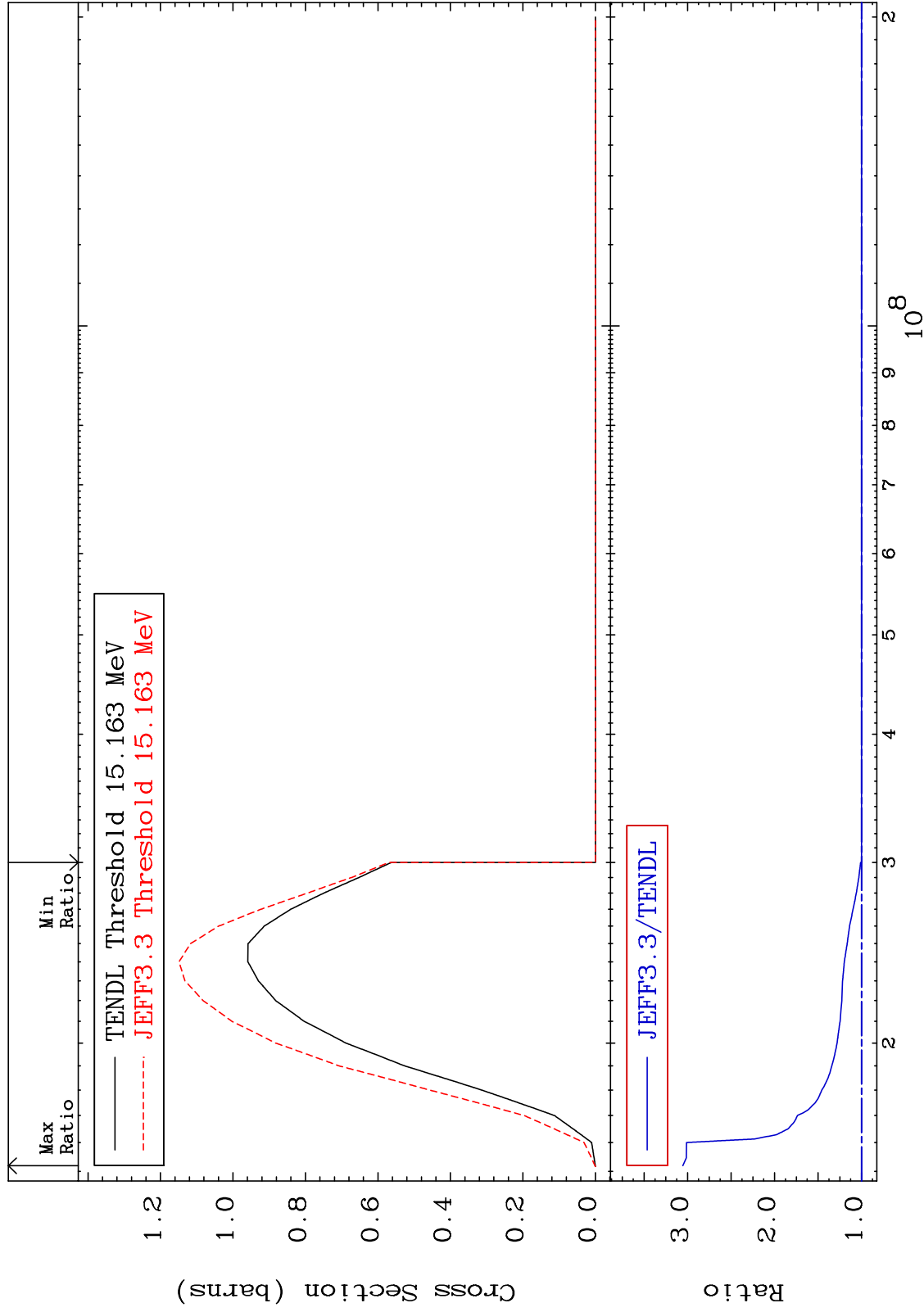


MAT 7034

(n,3n):70-Yb-169g

70-Yb-171

Radionuclide Production Cross Section 0.000 To 205.4 %



80

Incident Energy (eV)

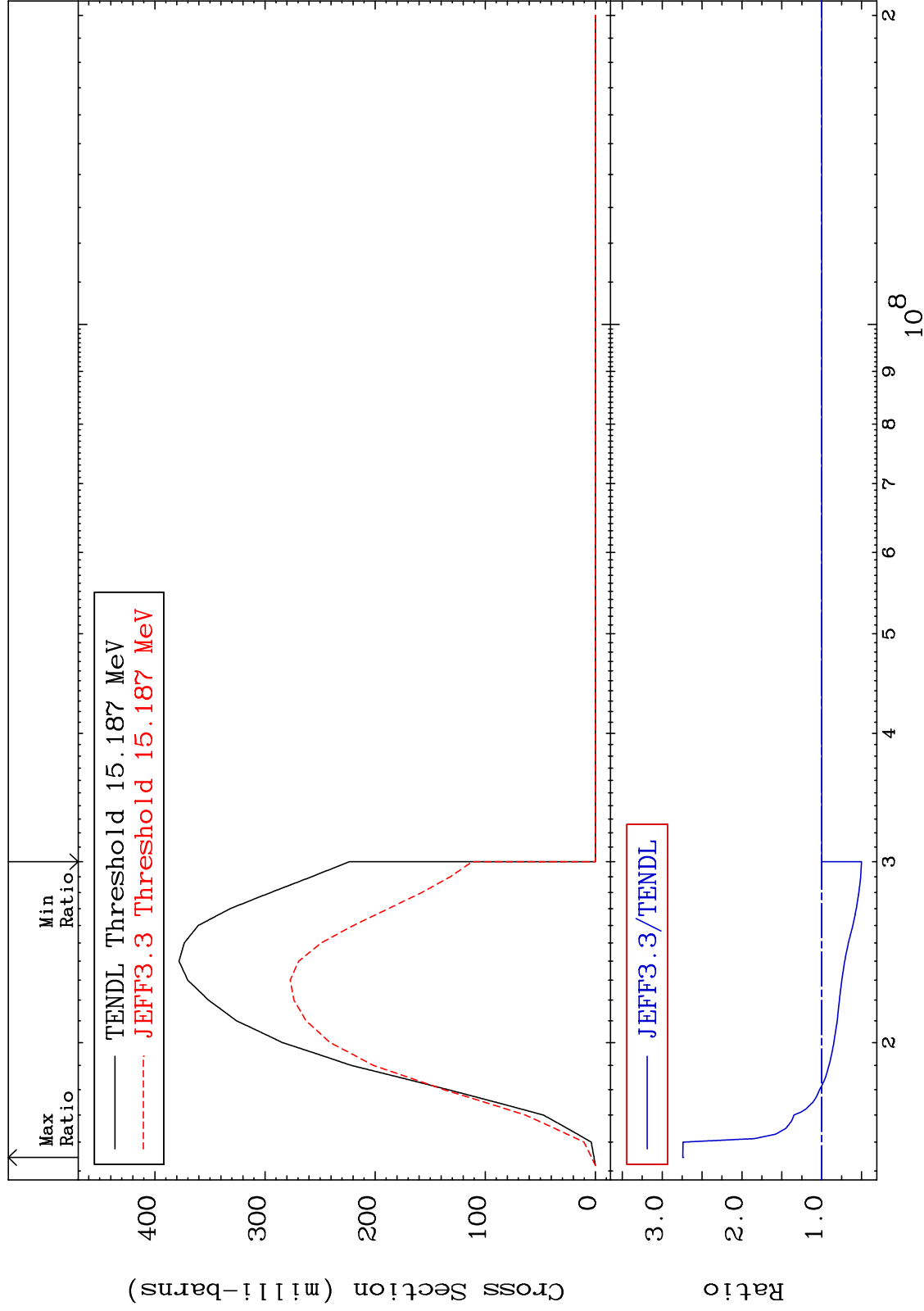
70-Yb-171

MAT 7034

(n,3n):70-Yb-169m1

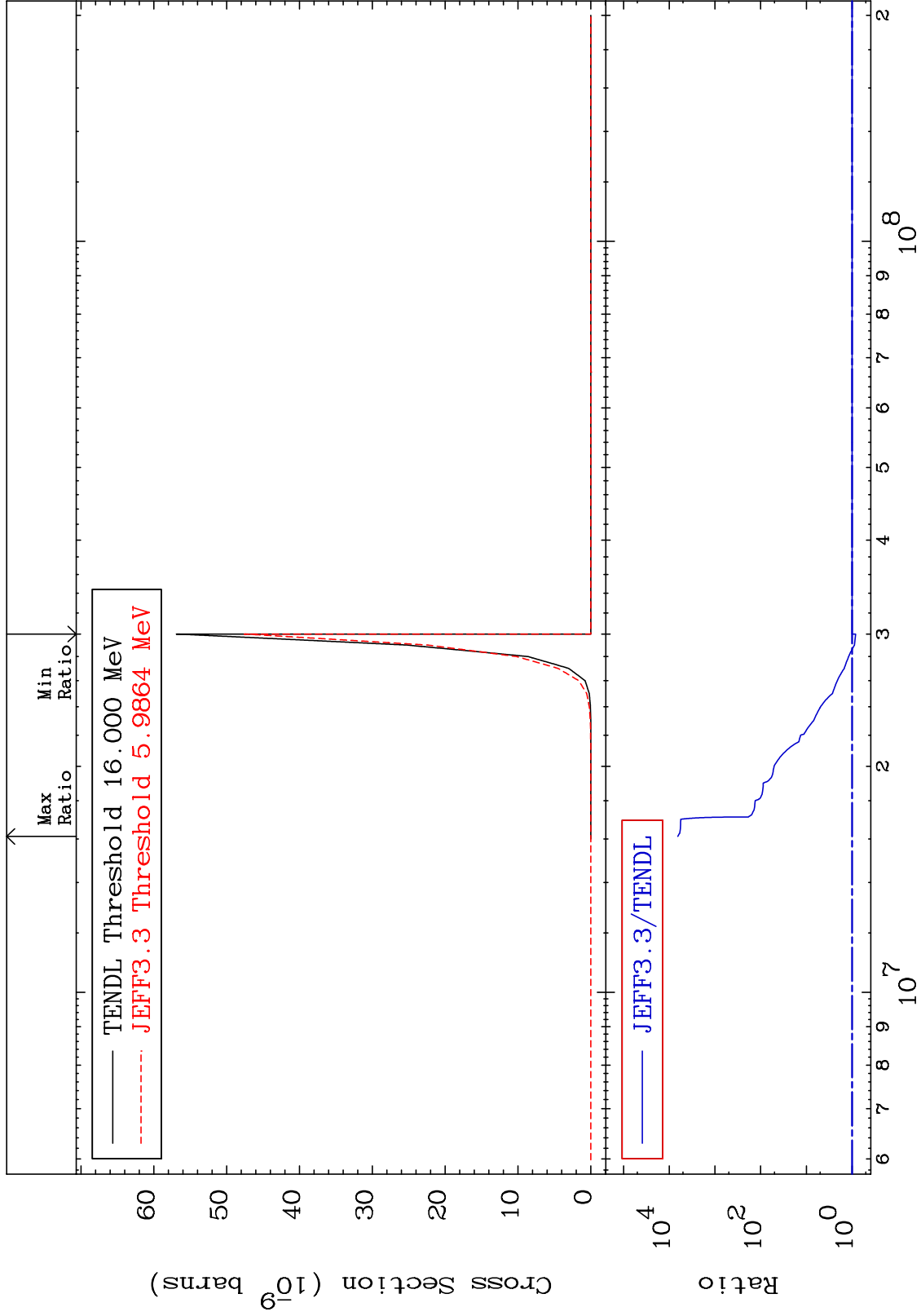
70-Yb-171

Radionuclide Production Cross Section -49.94 To 174.1 %



MAT 7034

(n, n') p α : 67-Ho-166g 70-Yb-171
Radionuclide Production Cross Section -16.43 To 9999. %

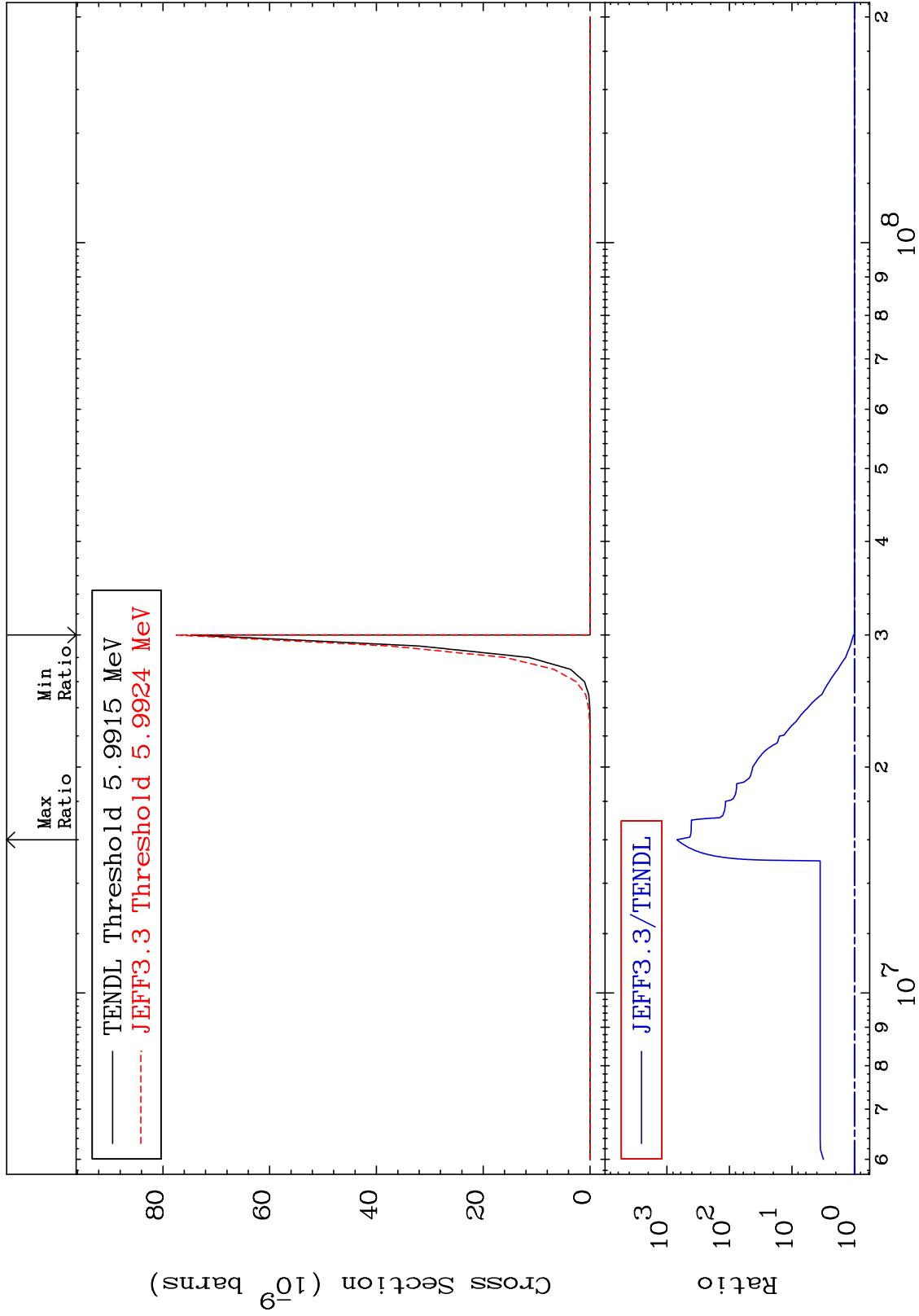


MAT 7034

(n, n') p α : 67-Ho-166m1

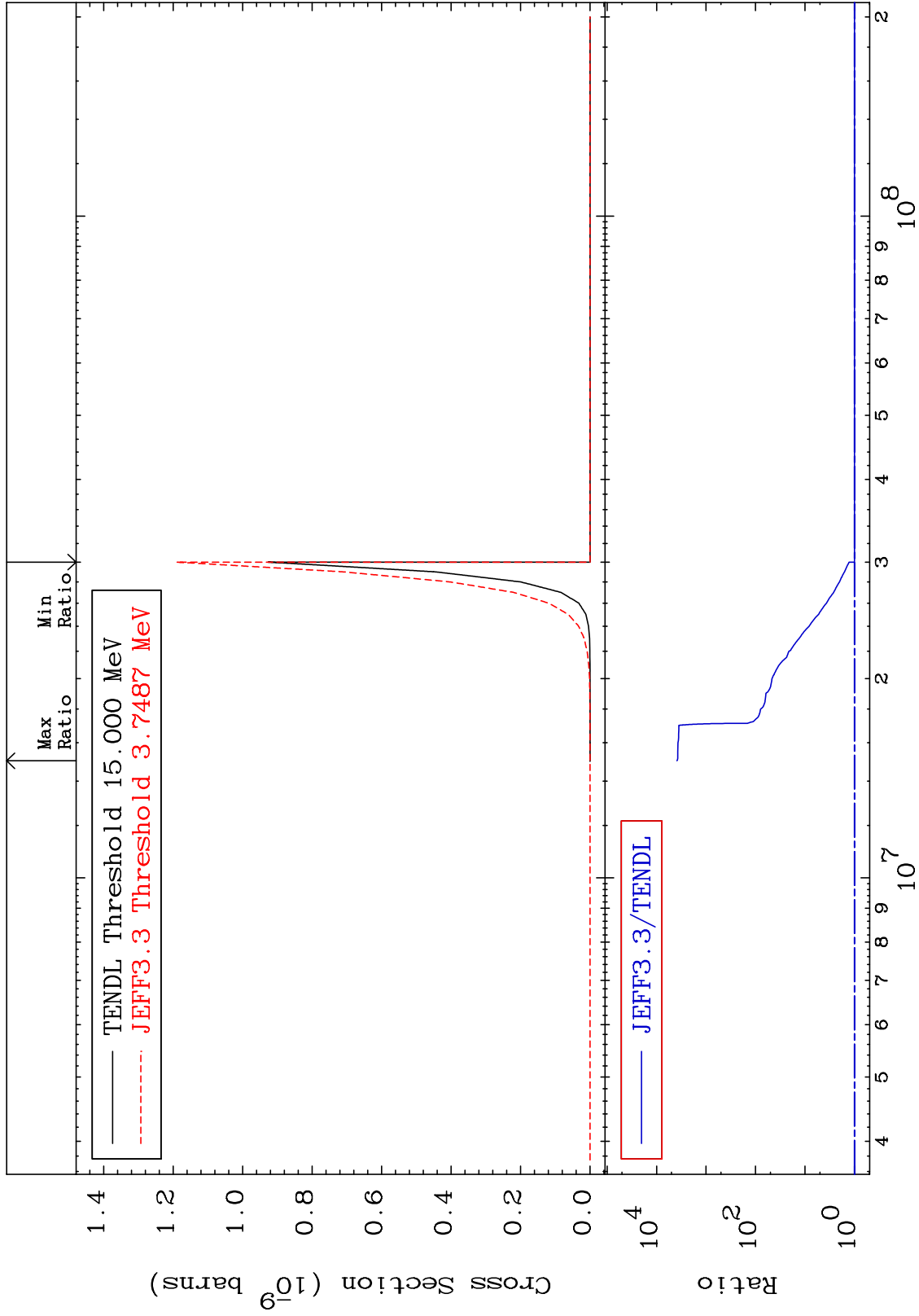
70-Yb-171

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 7034

(n, d) α : 67-Ho-166g 70-Yb-171
Radionuclide Production Cross Section 0.000 To 9999. %



70-Yb-171

Incident Energy (eV)

MAT 7034

(n,d) α :67-Ho-166m1 70-Yb-171
Radionuclide Production Cross Section 0.000 To 9999. %

