

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

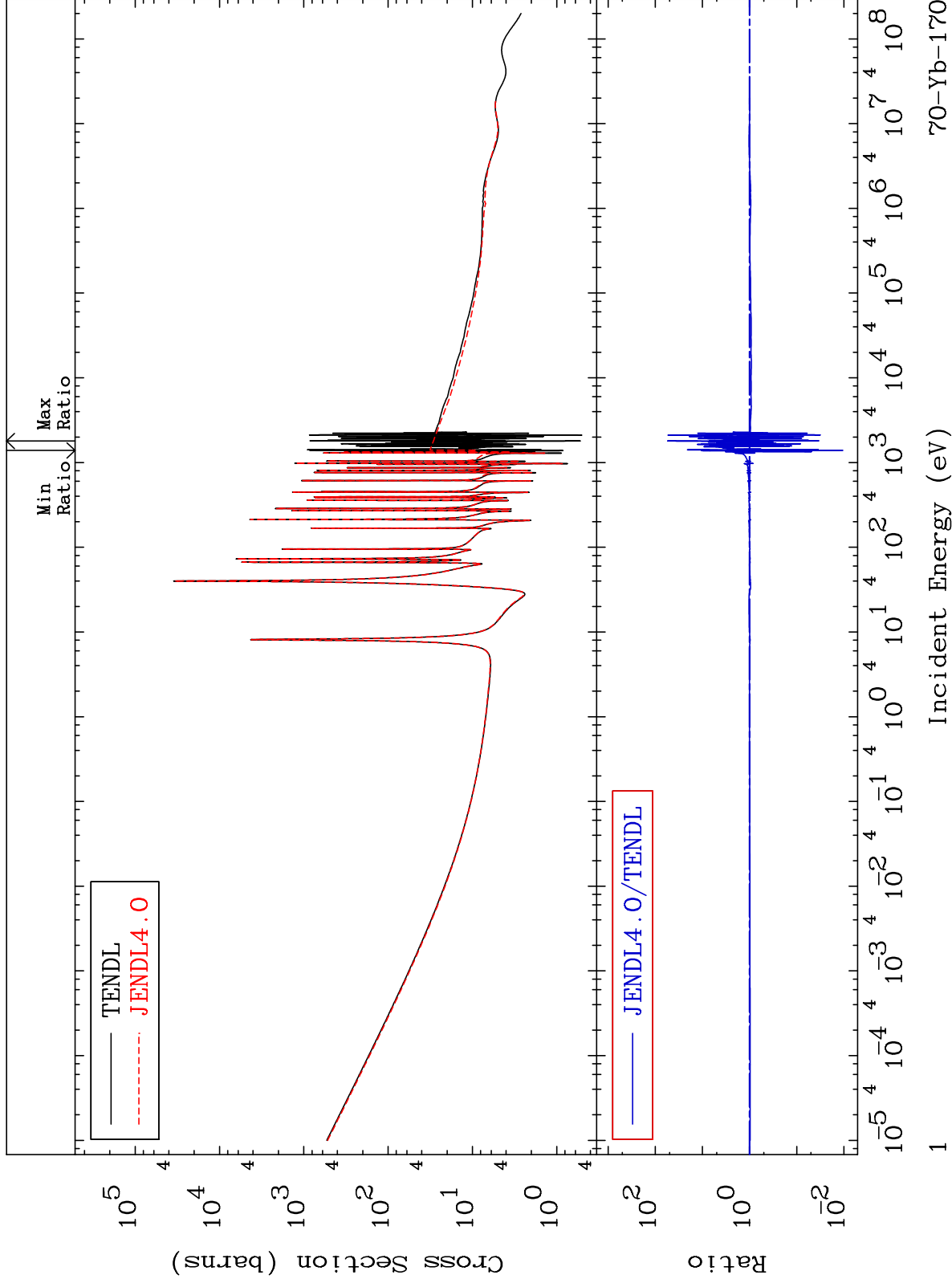
MAT 7031

Total

⁷⁰-Yb-170

Cross Section

-98.94 To 5406. %



⁷⁰-Yb-170

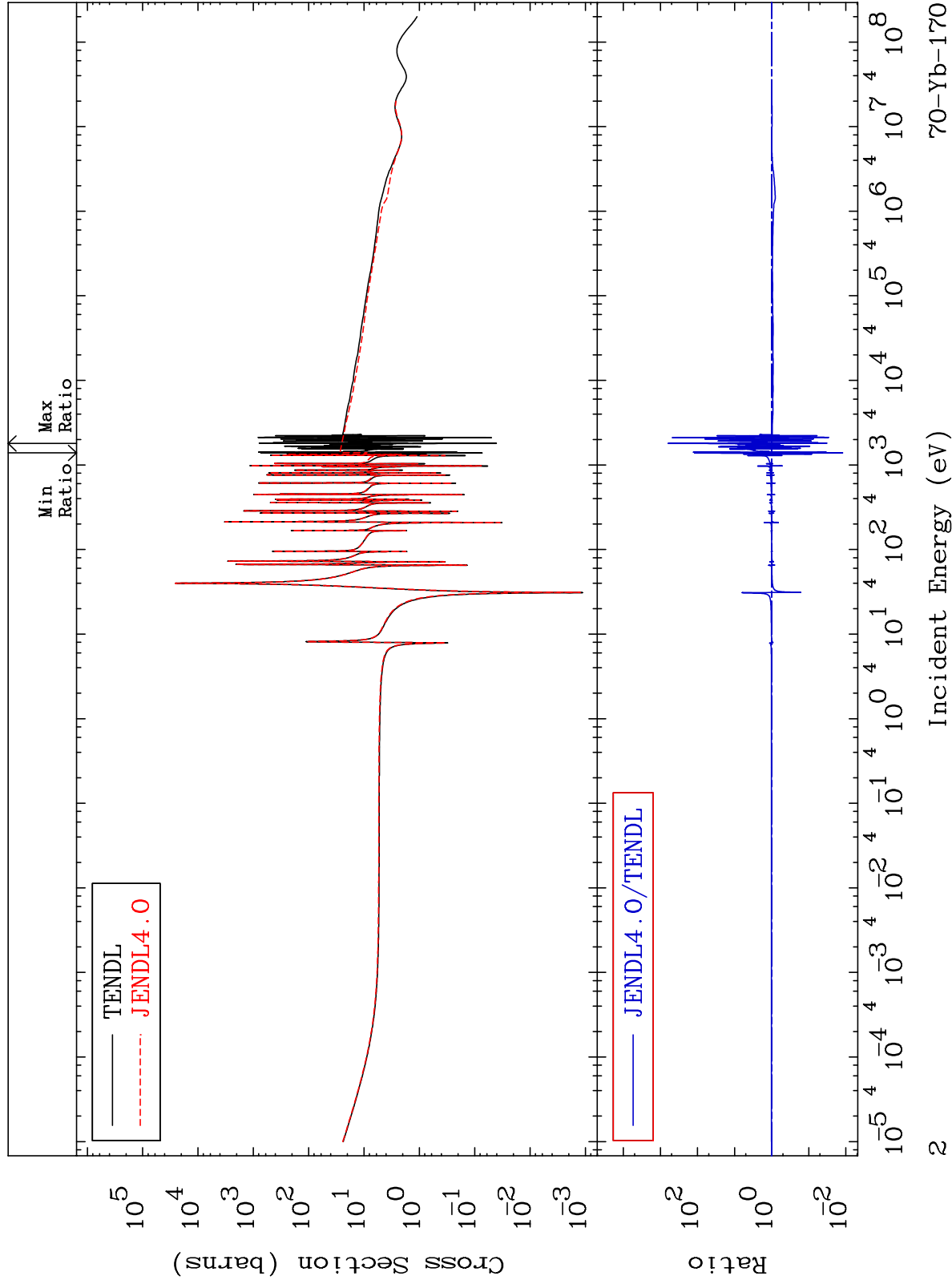
MAT 7031

Elastic

Cross Section

70-Yb-170

-98.79 To 9999. %



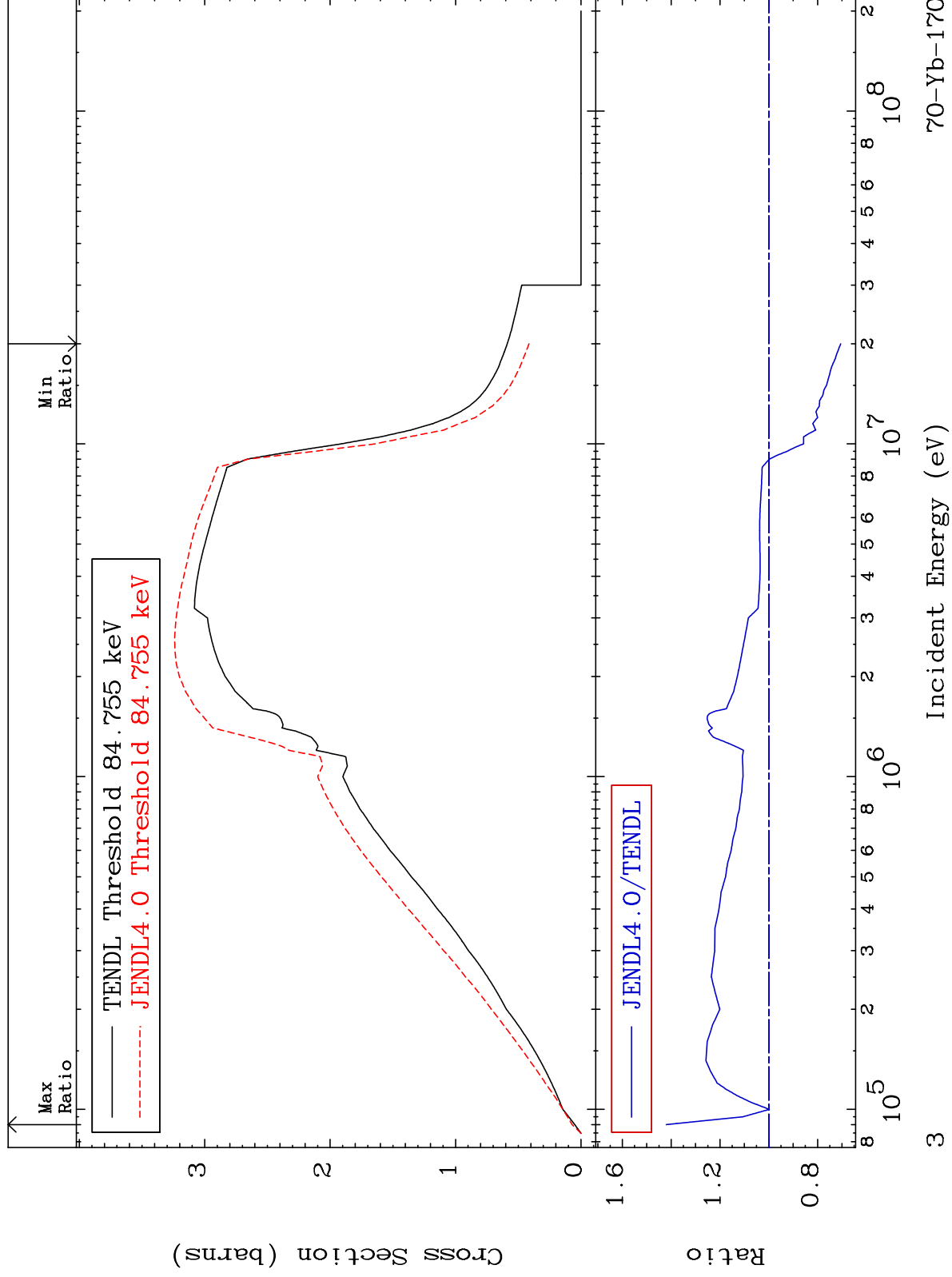
— TENDL
- - - JENDL4.0

— JENDL4.0/TENDL

MAT 7031

Inelastic
Cross Section

70-Yb-170
-29.49 To 41.97 %



MAT 7031

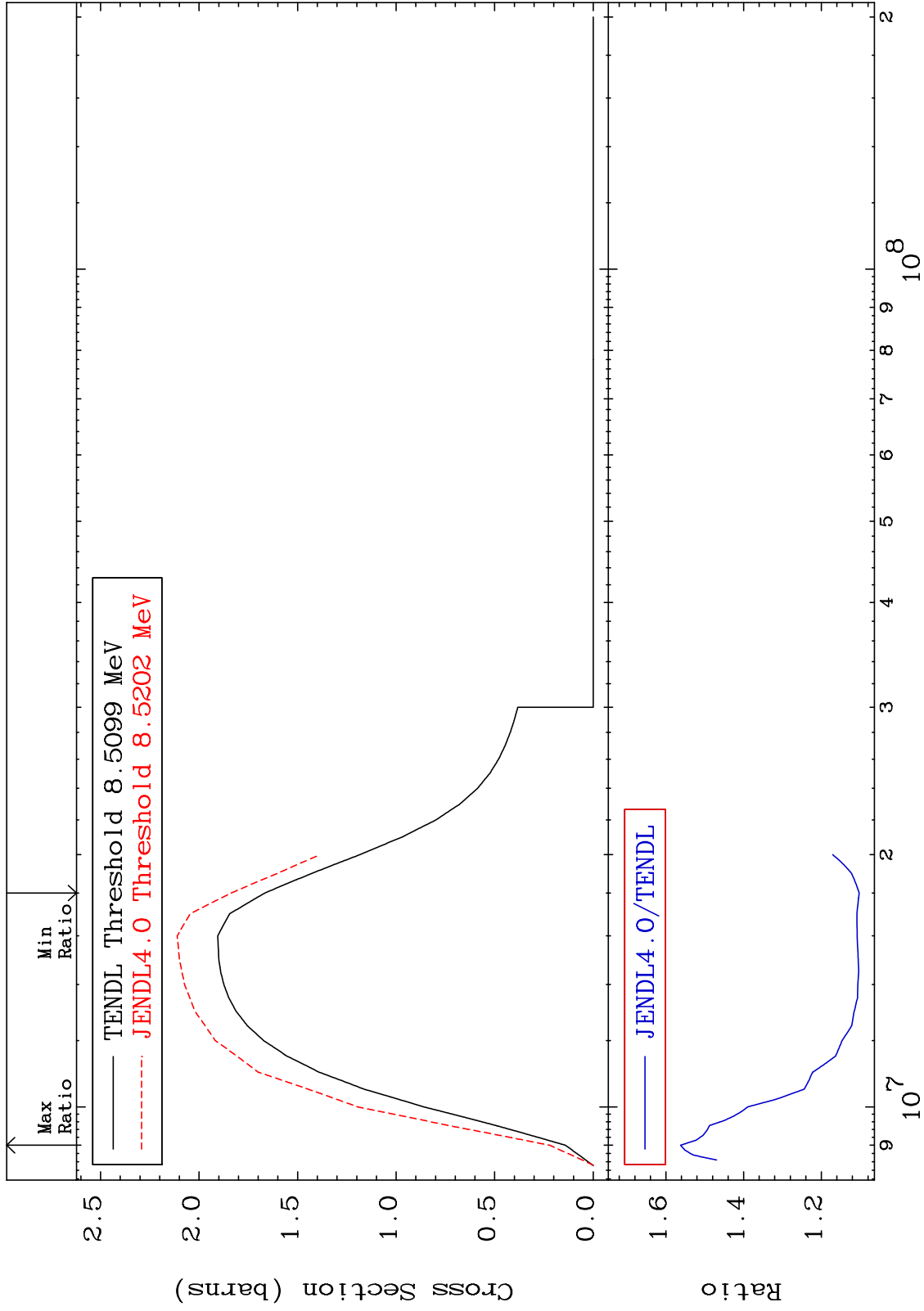
(n,2n)

70-Yb-170

Cross Section

10.27

To 56.21 %



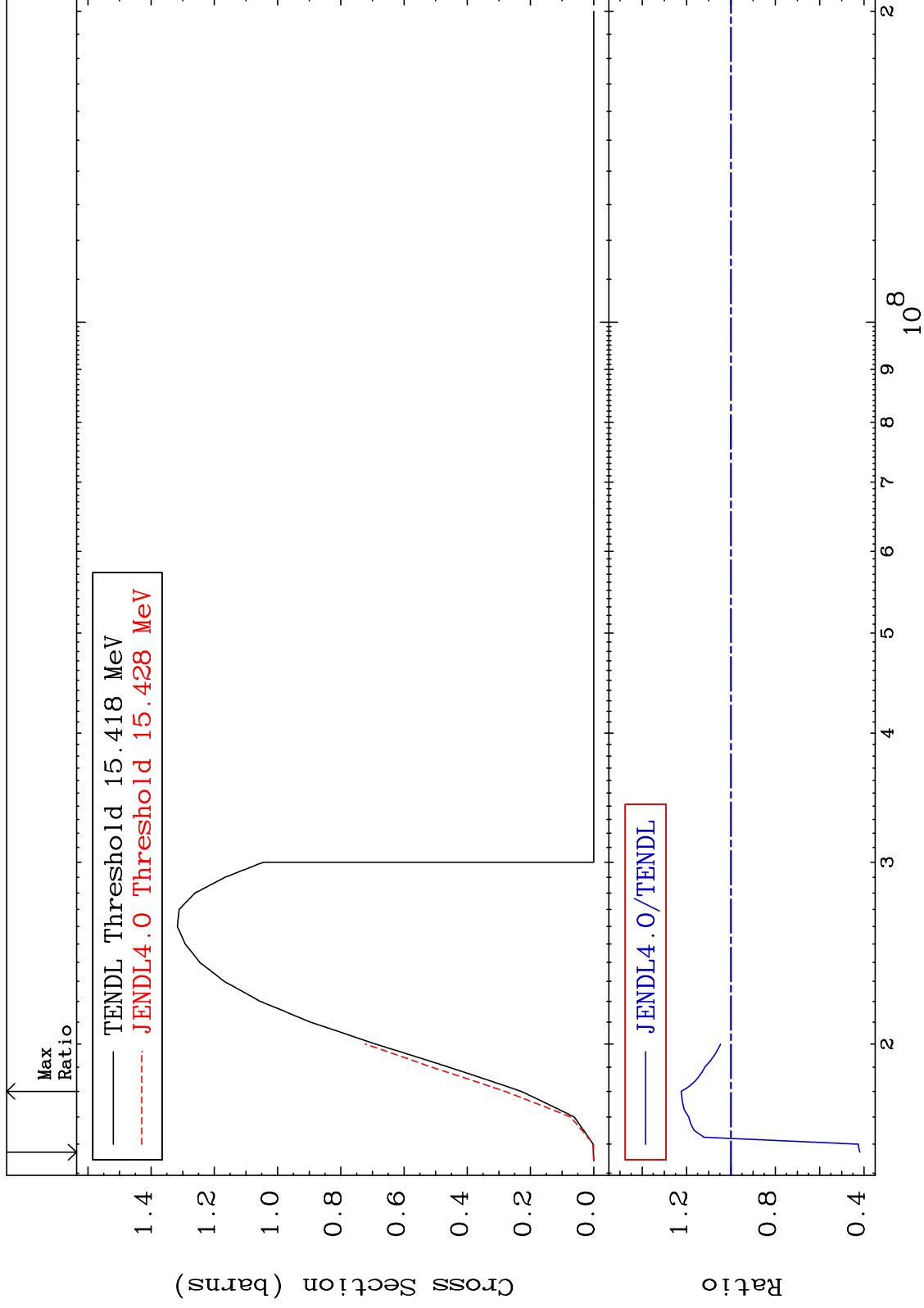
MAT 7031

(n, 3n)

70-Yb-170

Cross Section

-58.17 To 22.40 %



5

70-Yb-170

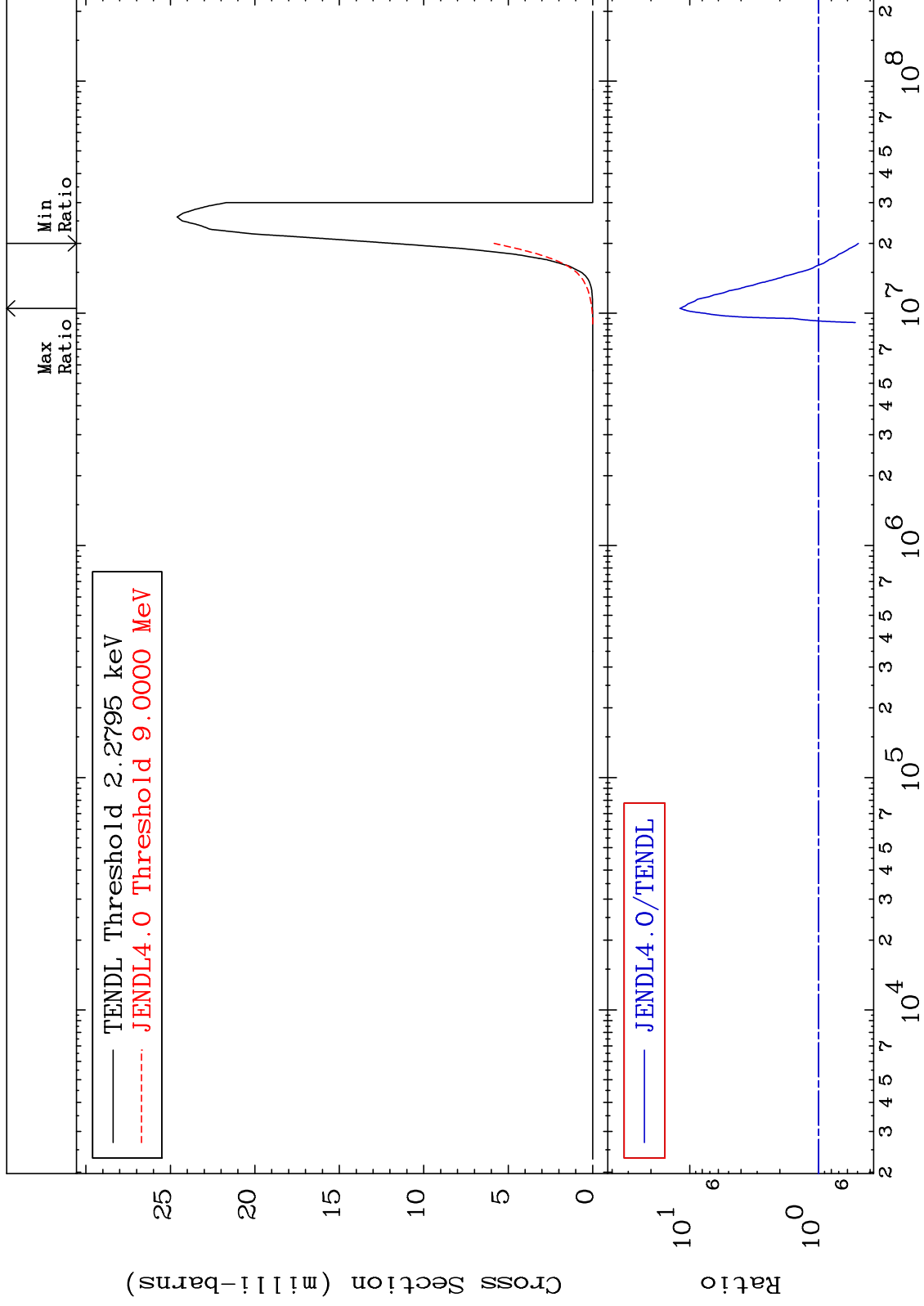
70-Yb-170

MAT 7031

(n, n') α

Cross Section

70-Yb-170
-50.75 To 1090. %



6

Incident Energy (eV)

70-Yb-170

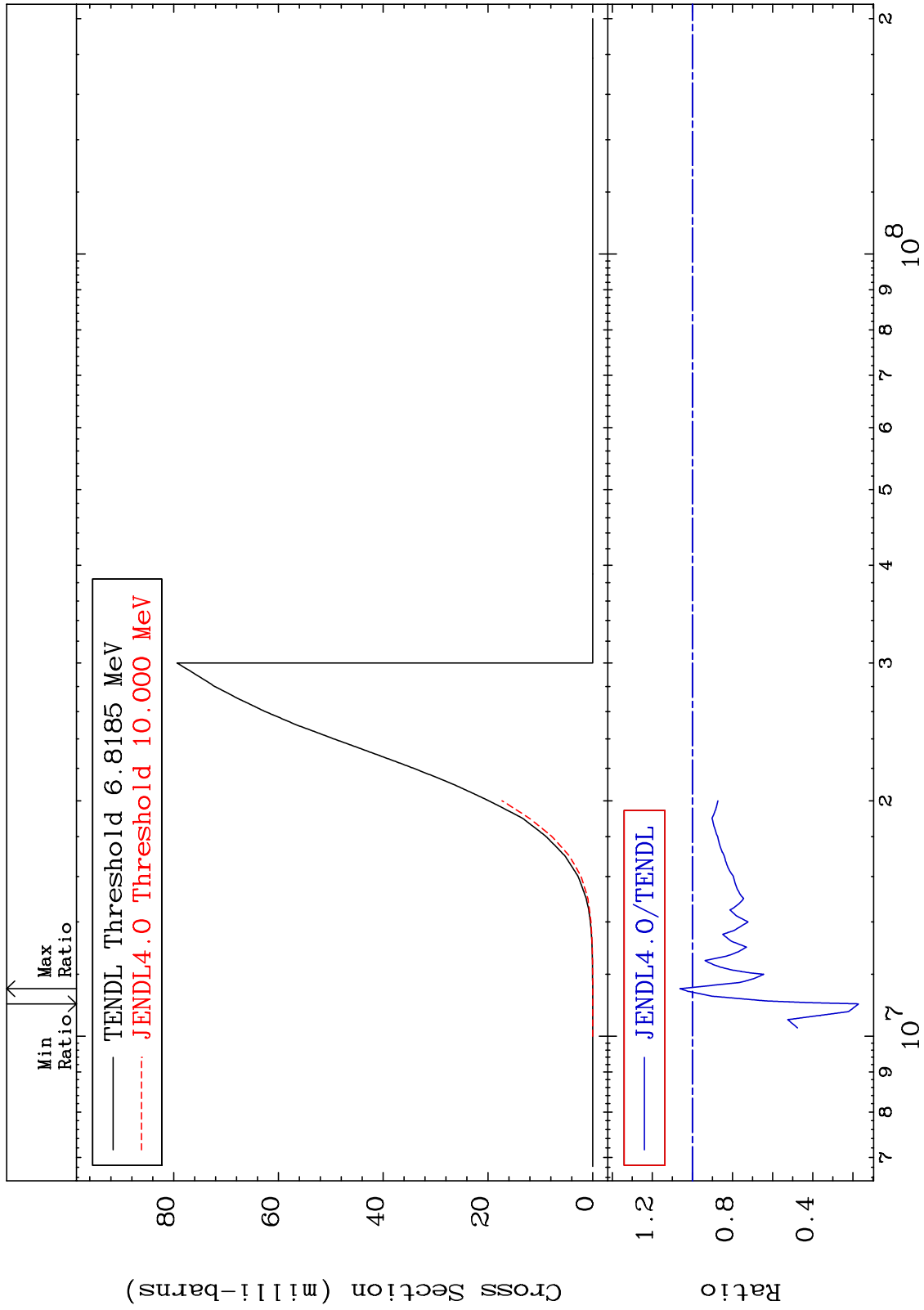
MAT 7031

(n,n') p

70-Yb-170

Cross Section

-82.76 To 6.198 %



7

70-Yb-170

70-Yb-170

MAT 7031

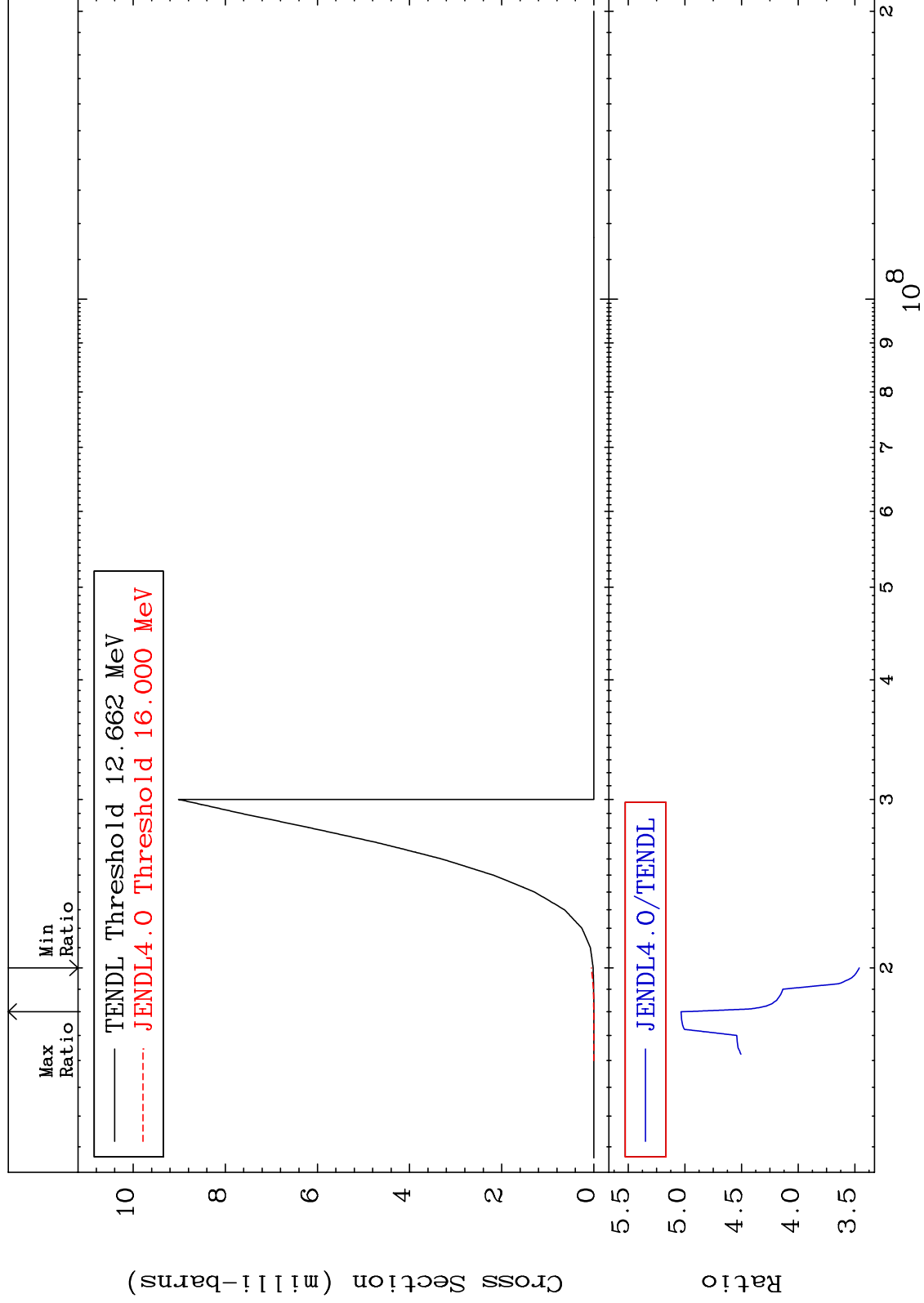
(n,n') d

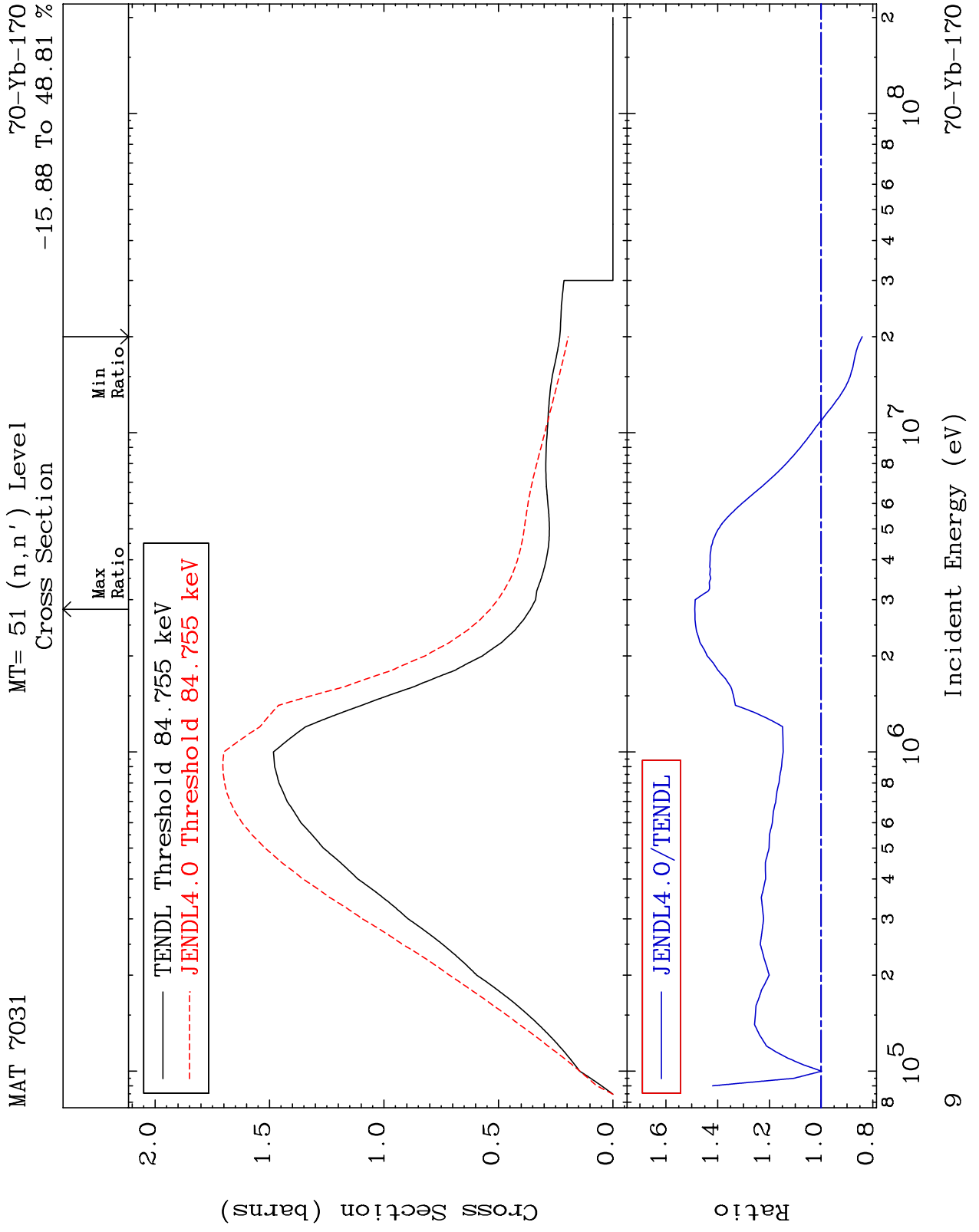
70-Yb-170

Cross Section

246.0

To 403.4 %

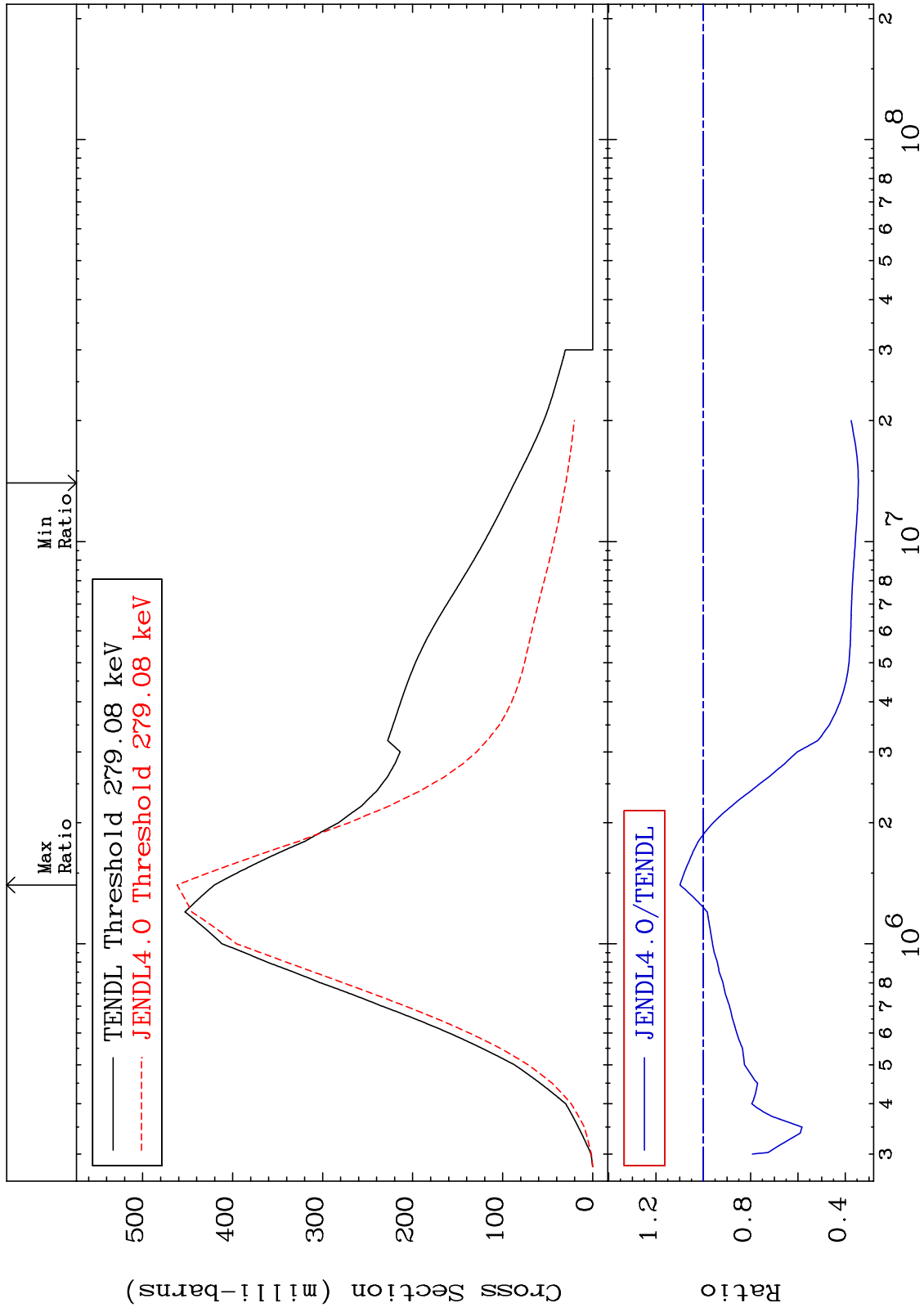




MAT 7031

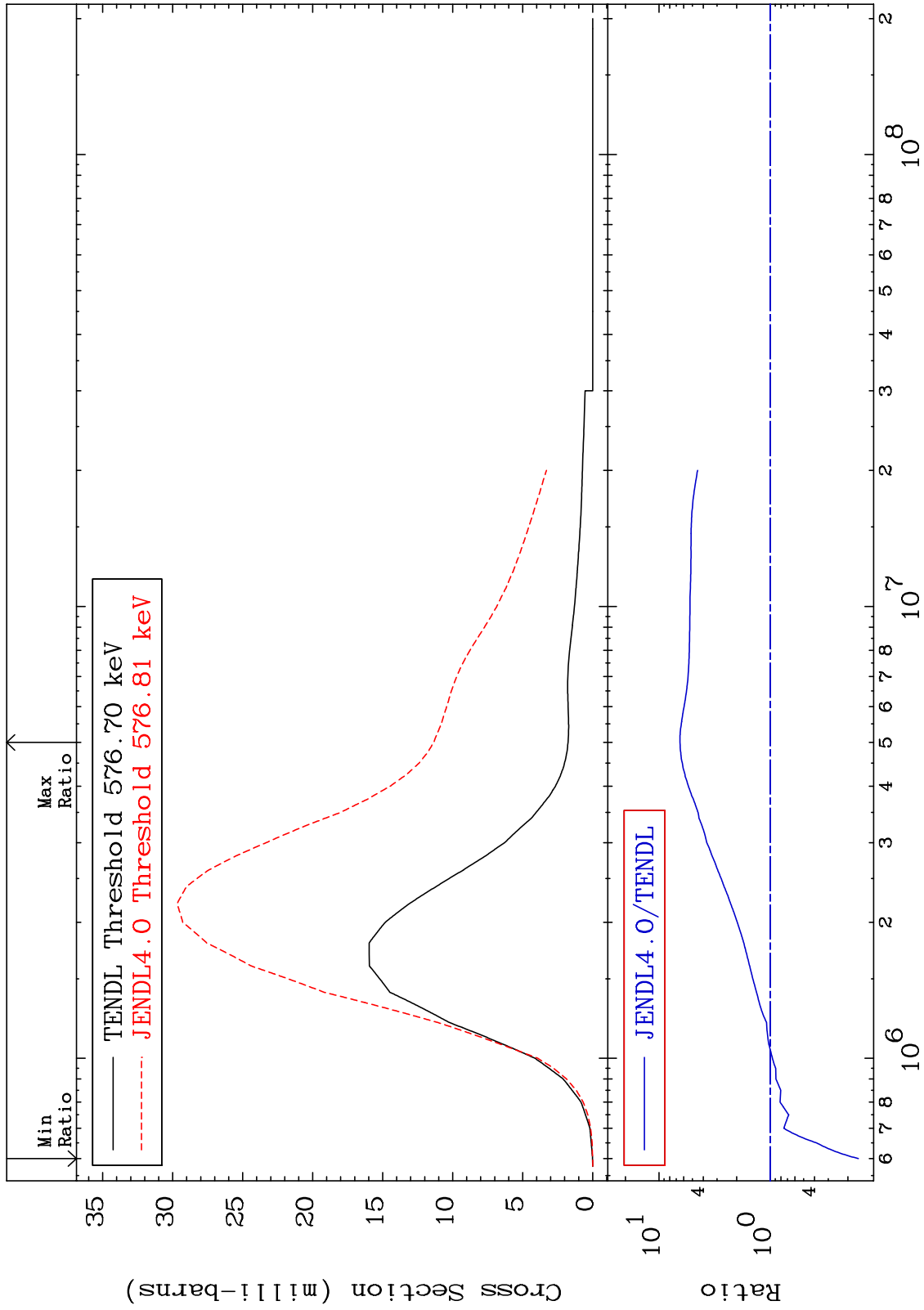
MT= 52 (n,n') Level
Cross Section

70-Yb-170
-65.54 To 9.837 %



10 Incident Energy (eV) 70-Yb-170

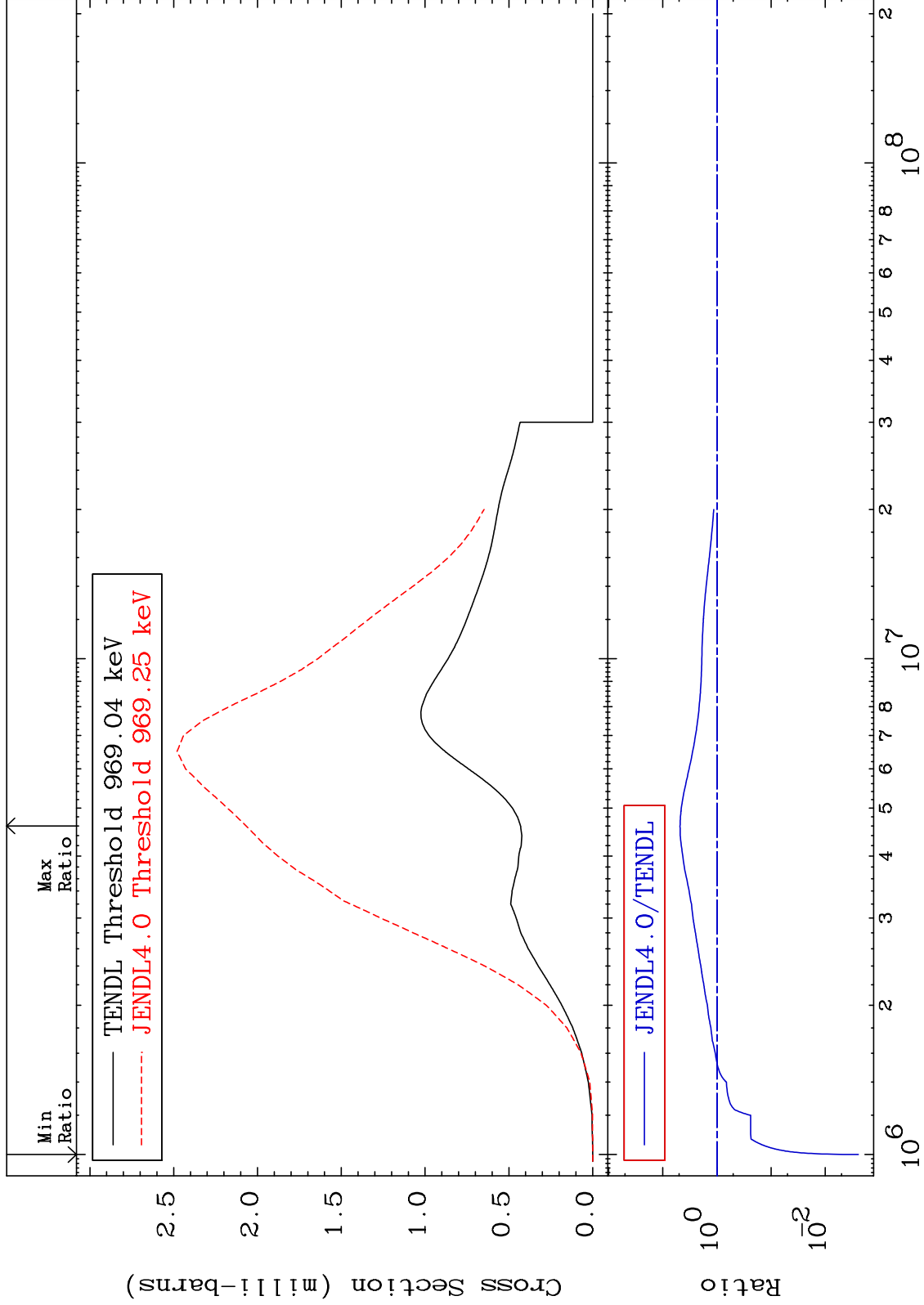
MAT 7031 MT= 53 (n,n') Level Cross Section -83.90 To 546.2 % 70-Yb-170



MAT 7031

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

70-Yb-170
-99.76 To 380.7 %

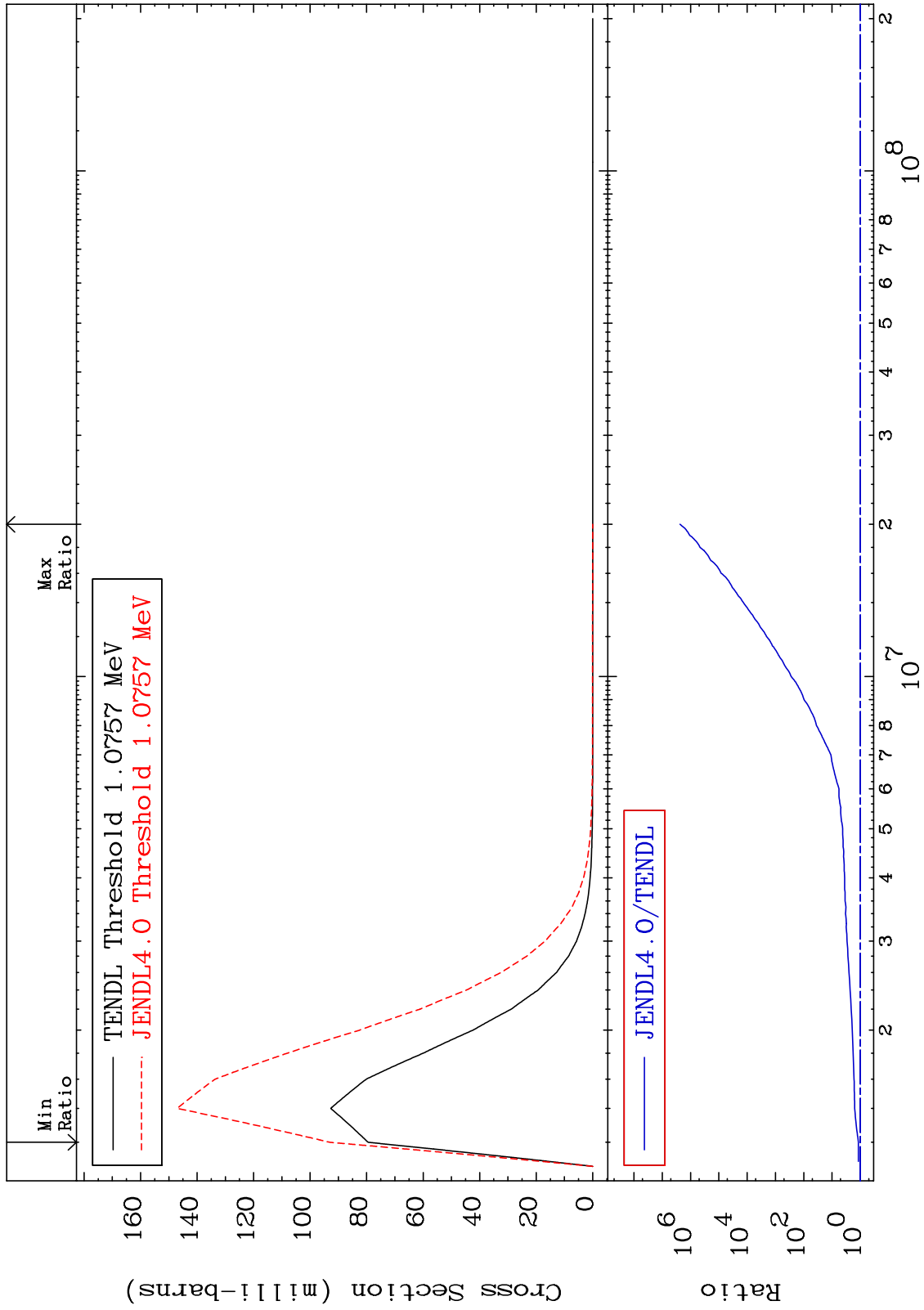


70-Yb-170

Incident Energy (eV)

12

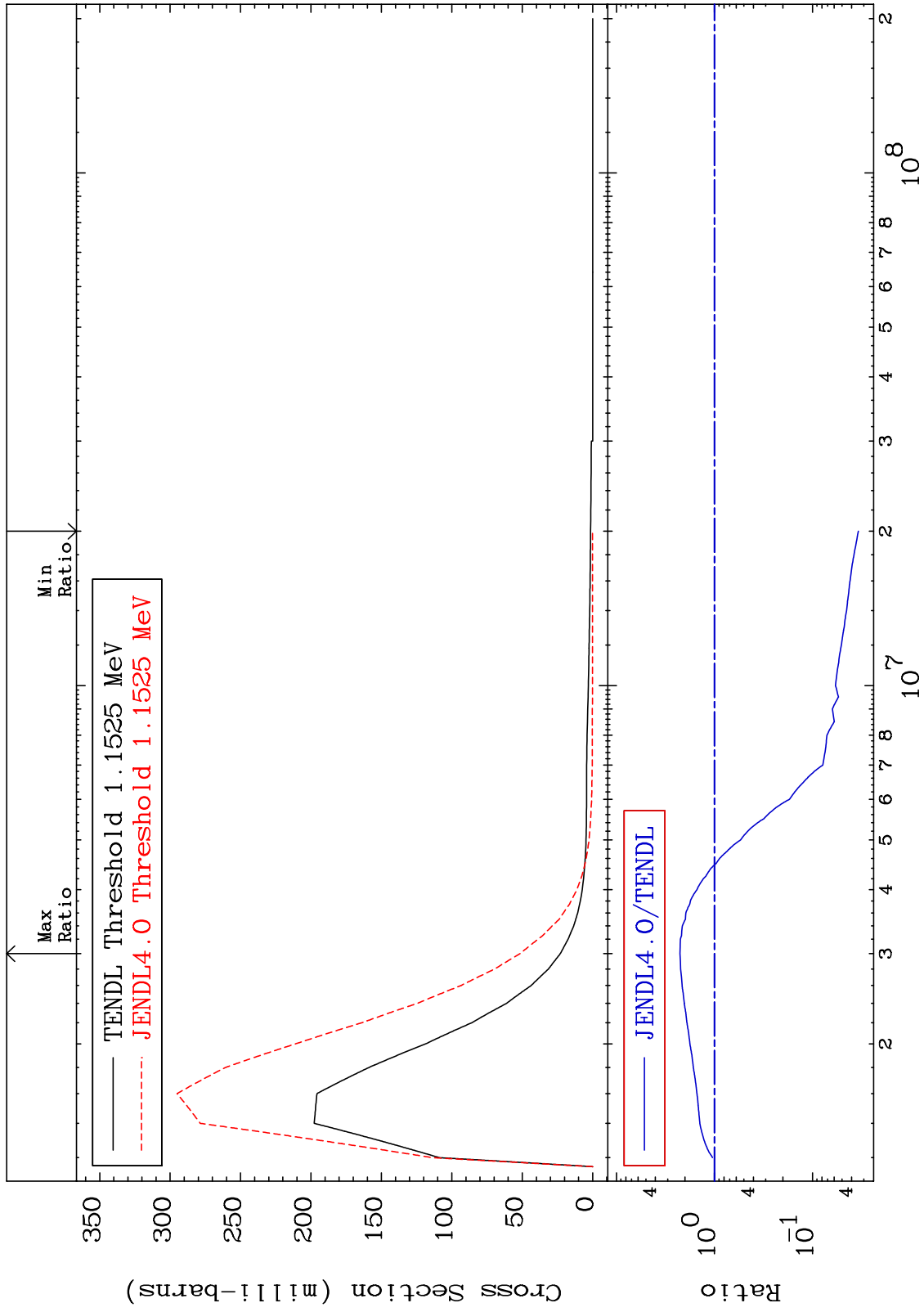
MAT 7031 MT= 55 (n,n') Level Cross Section 70-Yb-170 17.07 To 9999. %



MAT 7031

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

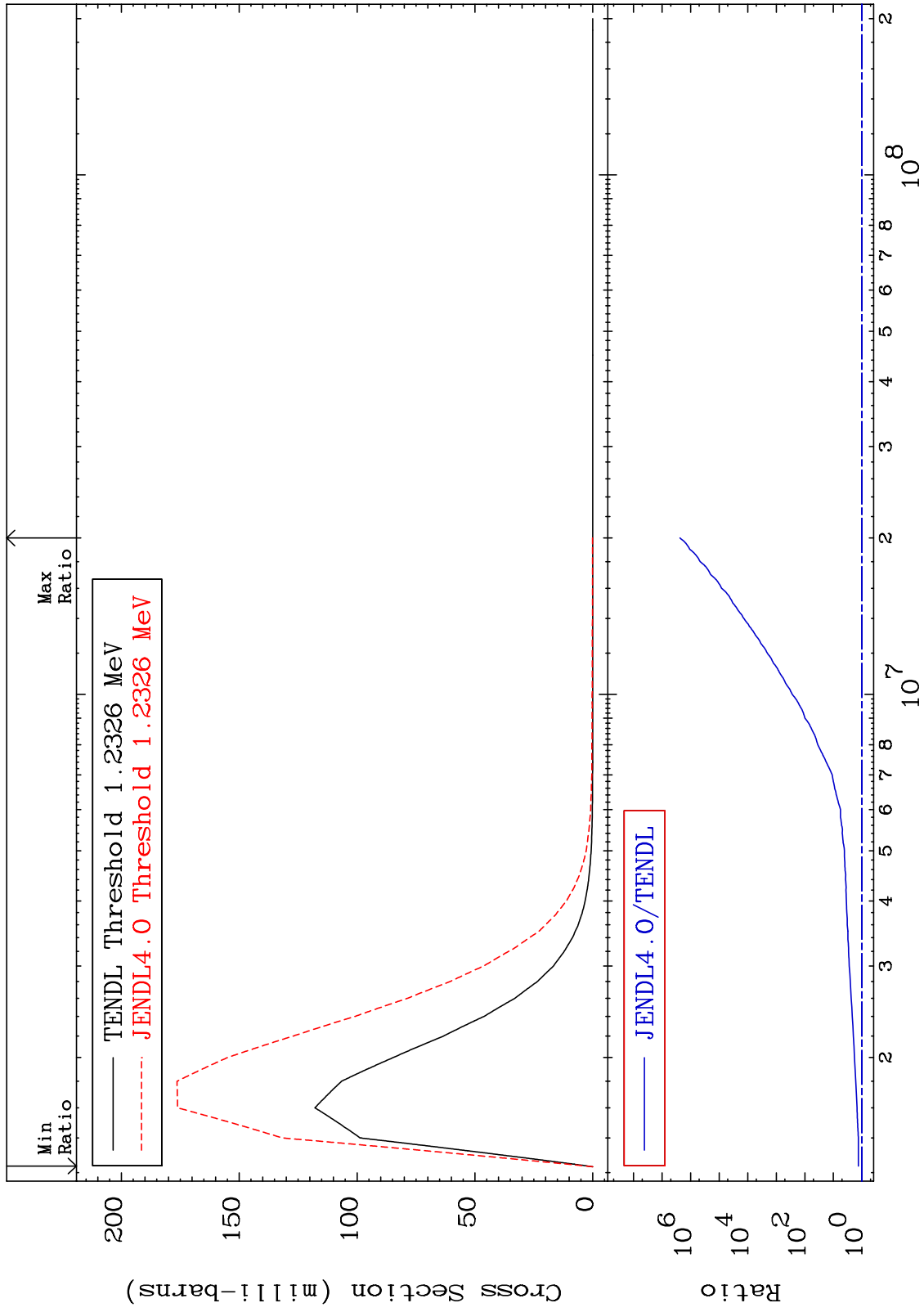
70-Yb-170
-96.60 To 124.4 %



MAT 7031

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

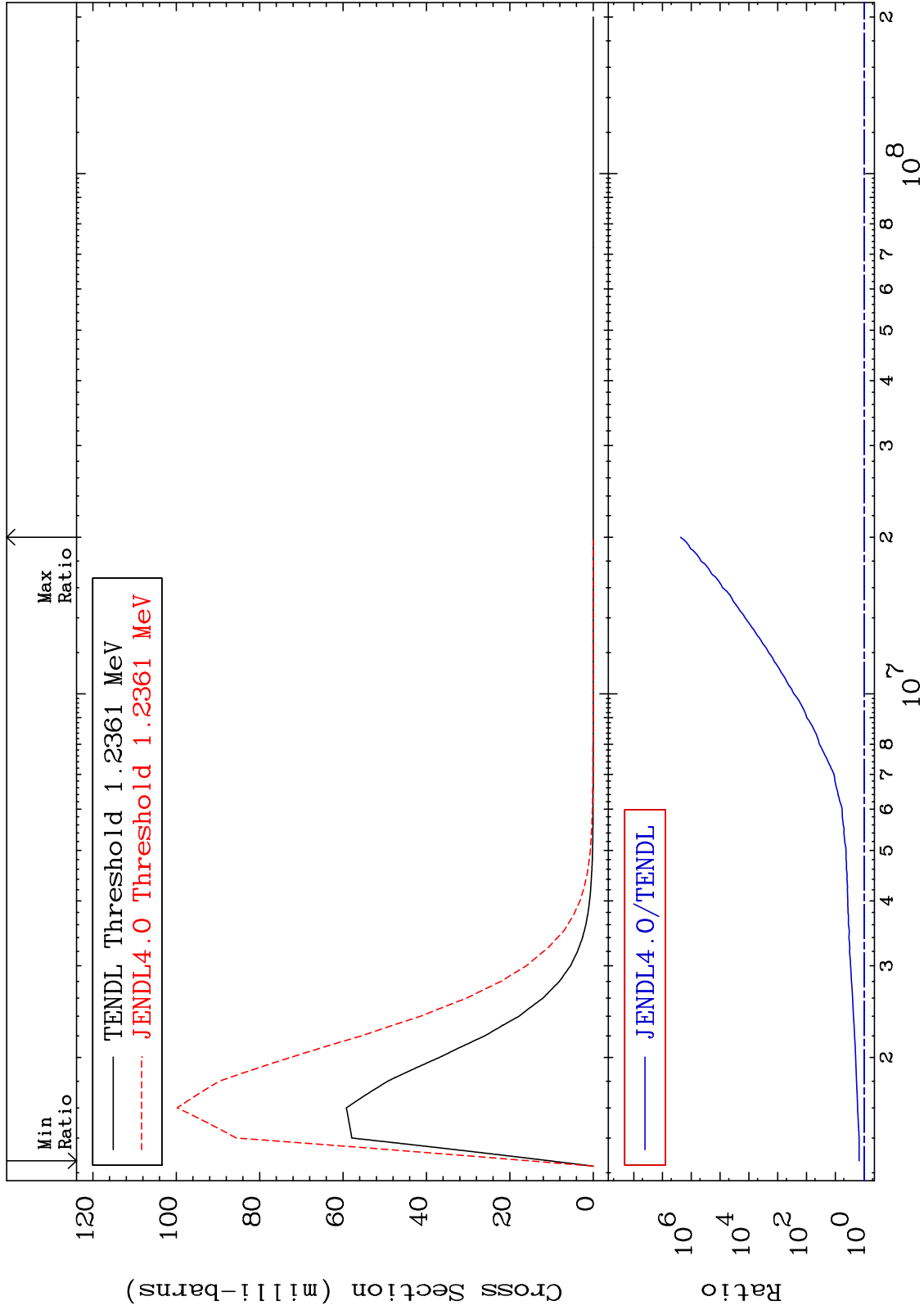
70-Yb-170
32.88 To 9999. %



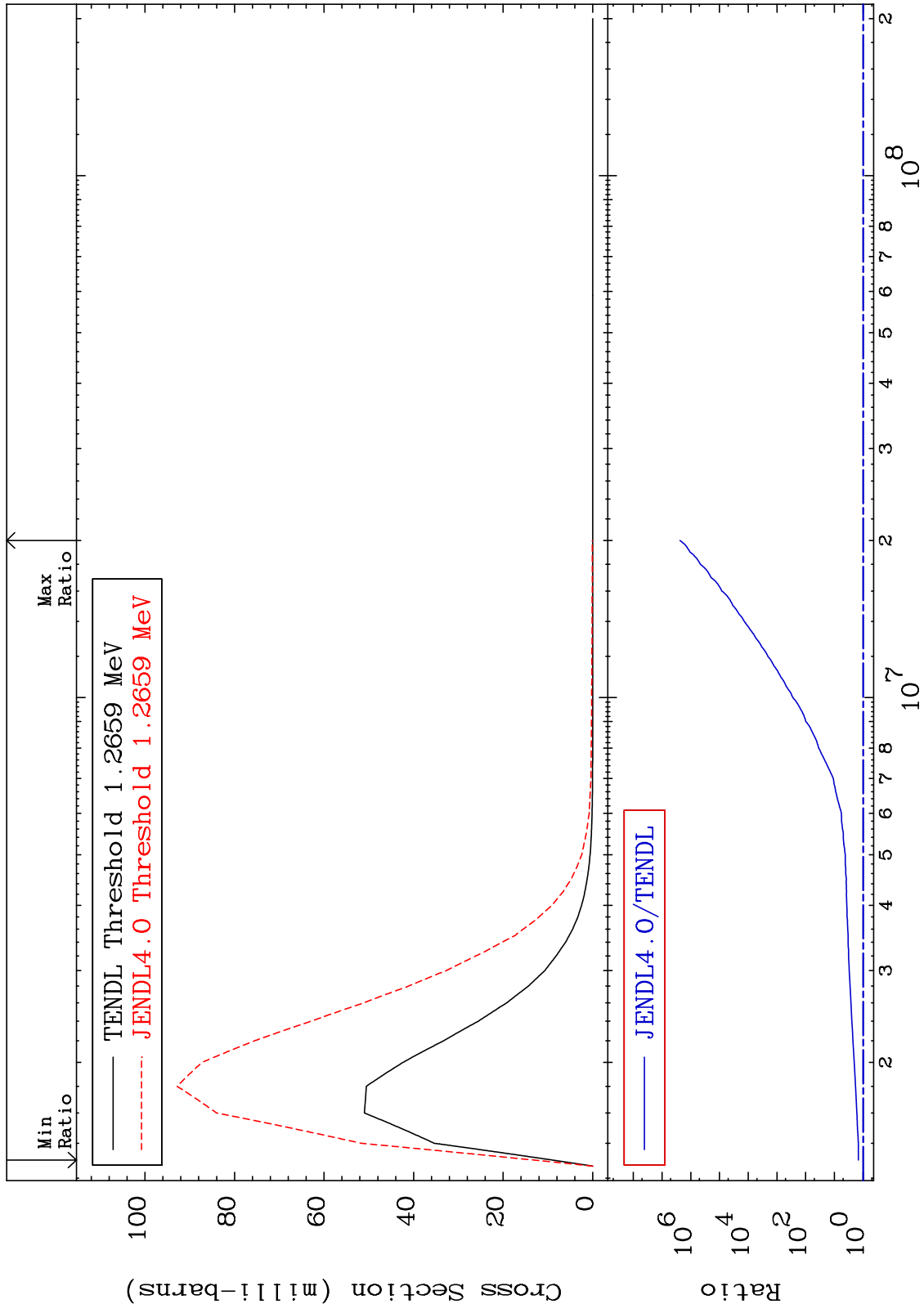
MAT 7031

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

70-Yb-170
47.63 To 9999. %



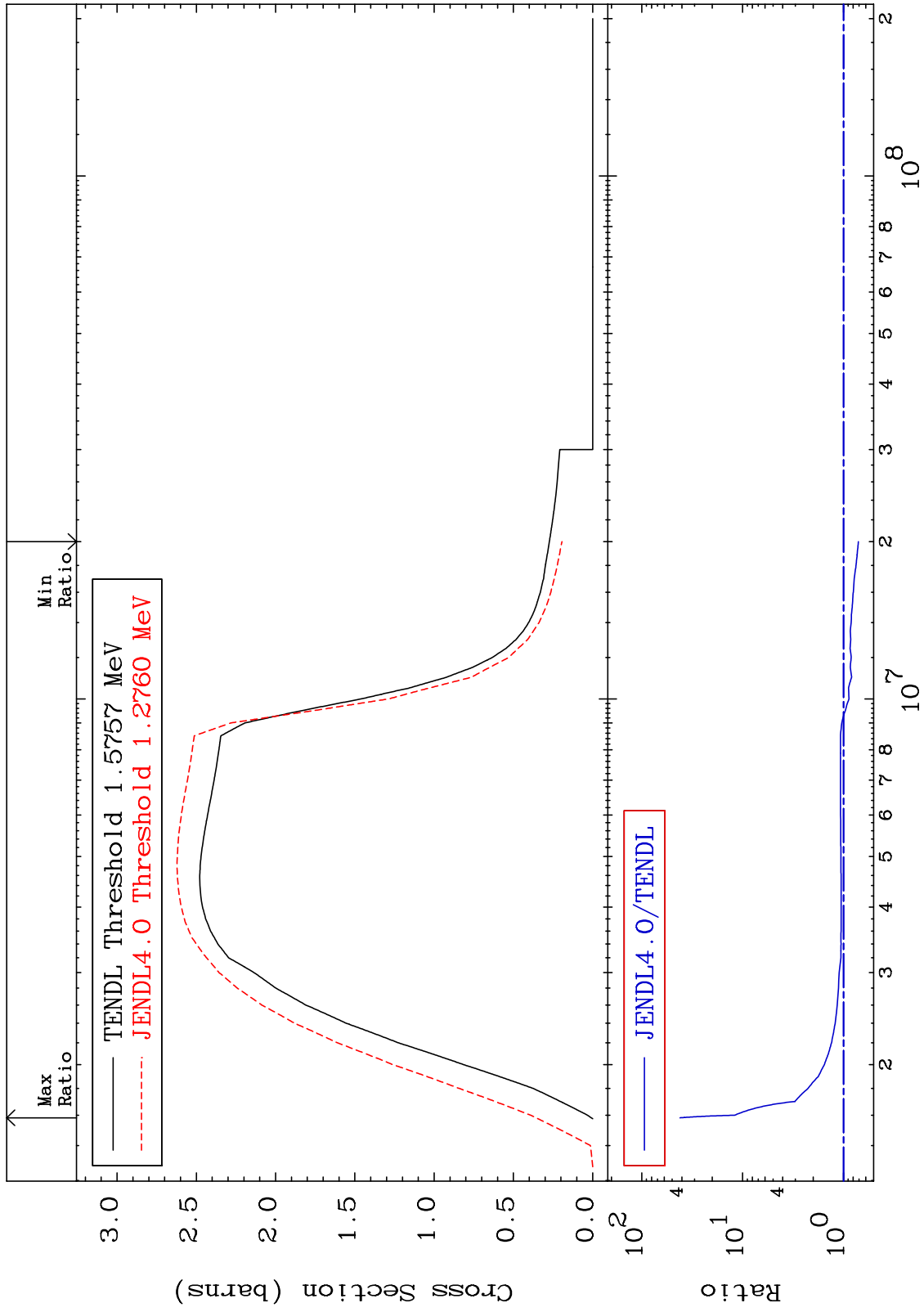
MAT 7031 MT= 60 (n,n') Level Cross Section 70-Yb-170
 46.15 To 9999. %



MAT 7031

(n, n') Continuum
Cross Section

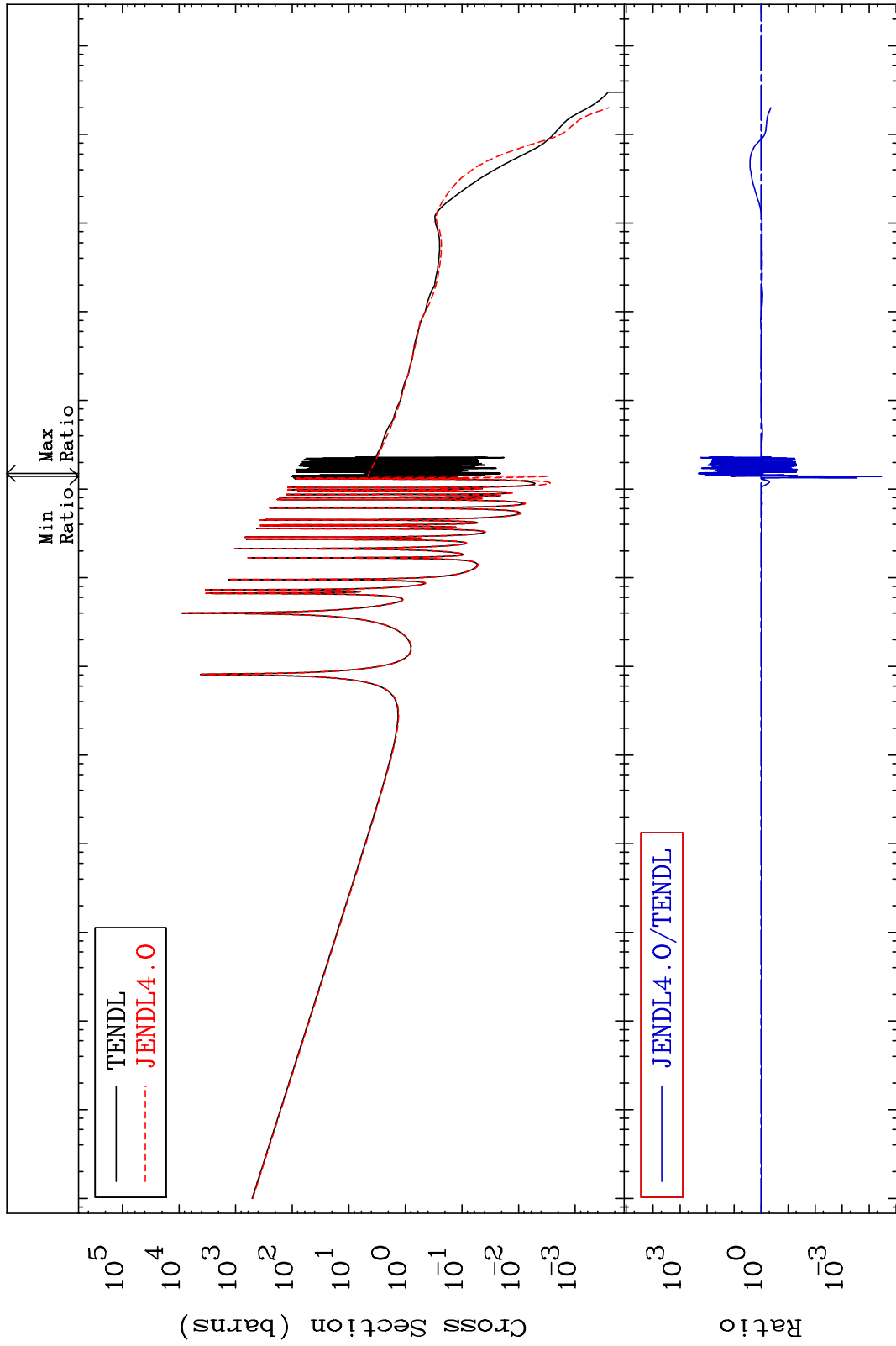
70-Yb-170
-28.92 To 4082. %



MAT 7031

(n, γ)
Cross Section

70-Yb-170
-100.0 To 9999. %



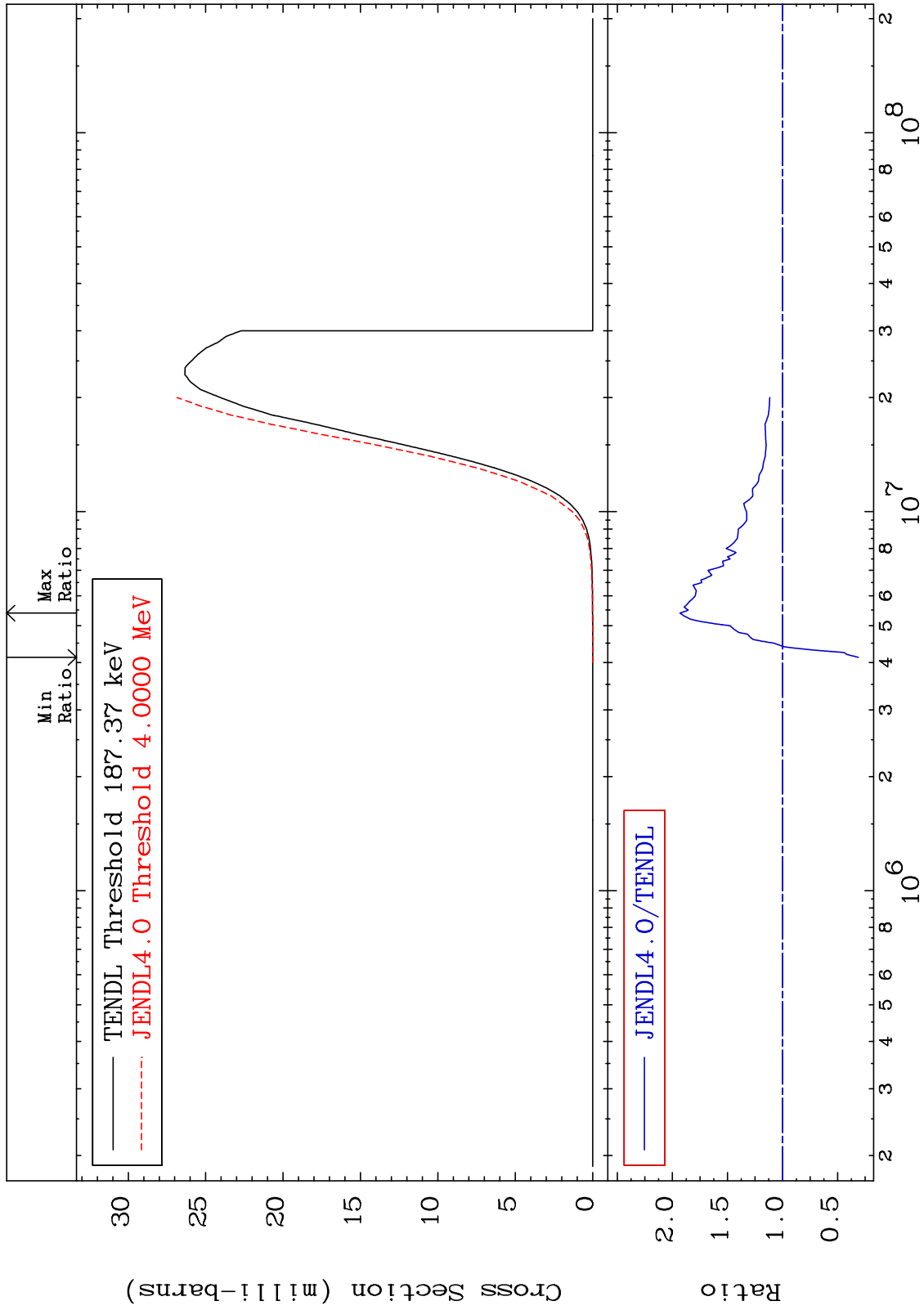
MAT 7031

(n, p)

70-Yb-170

Cross Section

-68.87 To 93.08 %



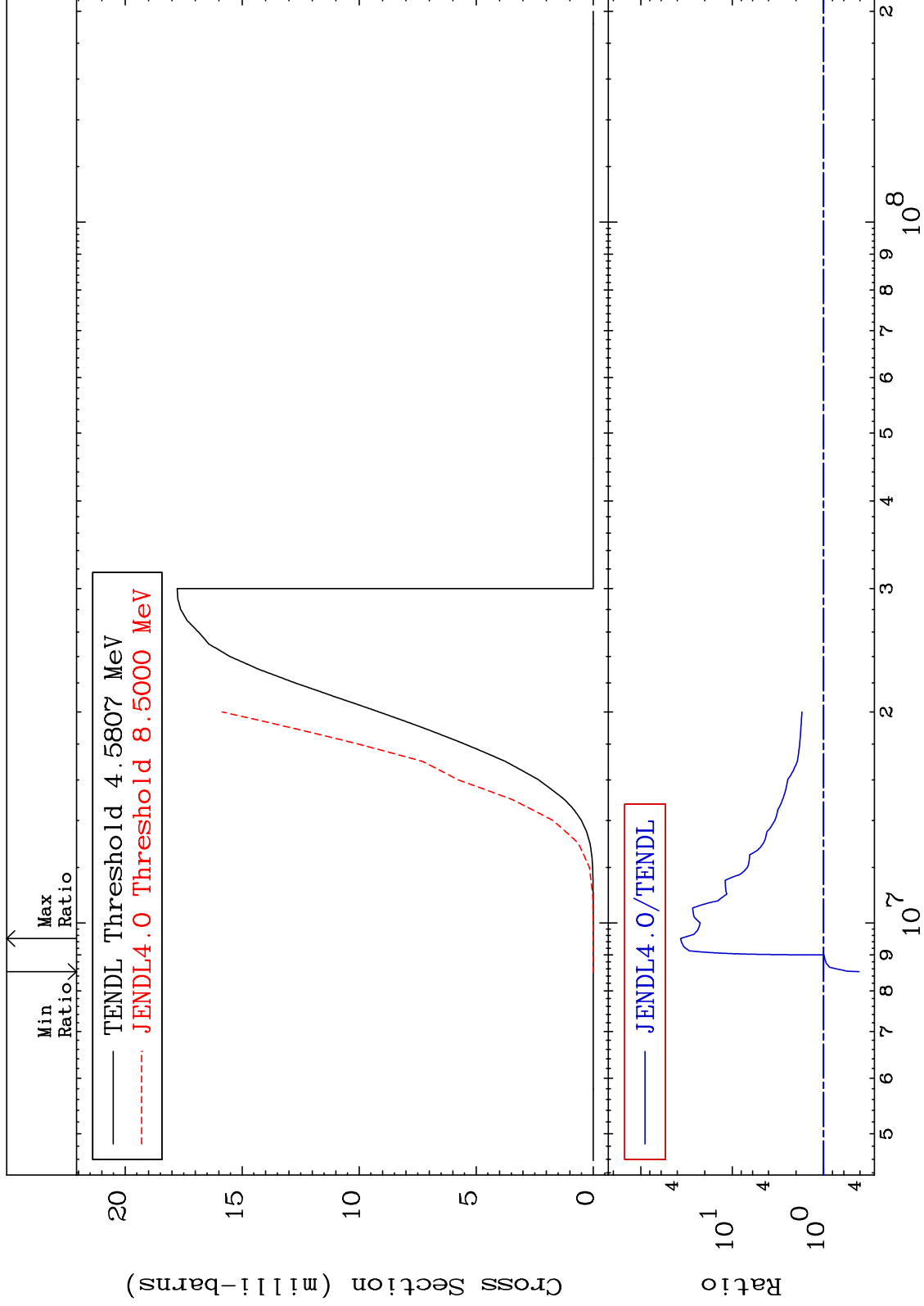
MAT 7031

(n, d)

70-Yb-170

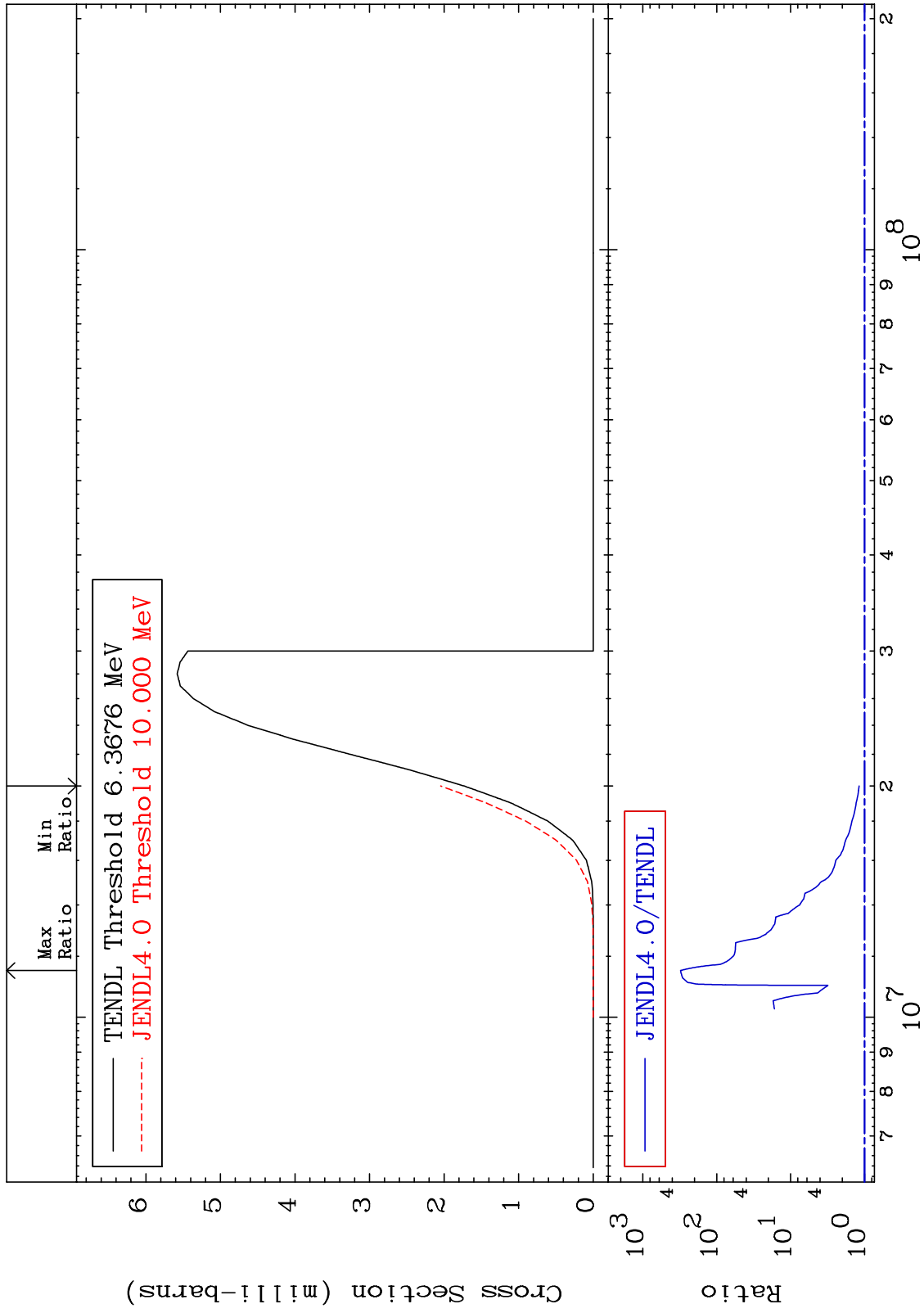
Cross Section

-59.15 To 3576. %



MAT 7031

(n, t)
Cross Section
70-Yb-170
18.21 To 9999. %



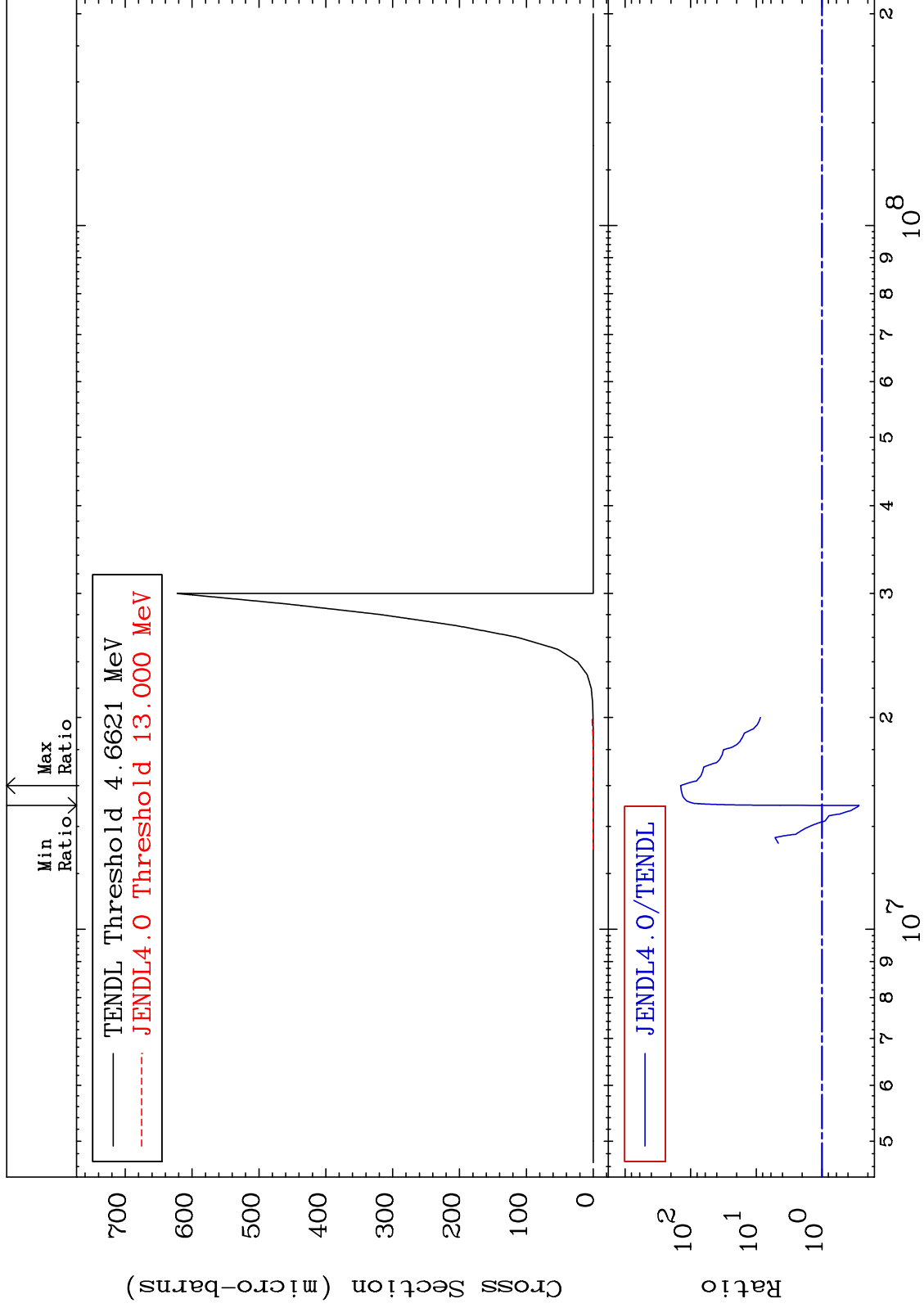
MAT 7031

(n, He-3)

70-Yb-170

Cross Section

-72.95 To 9999. %

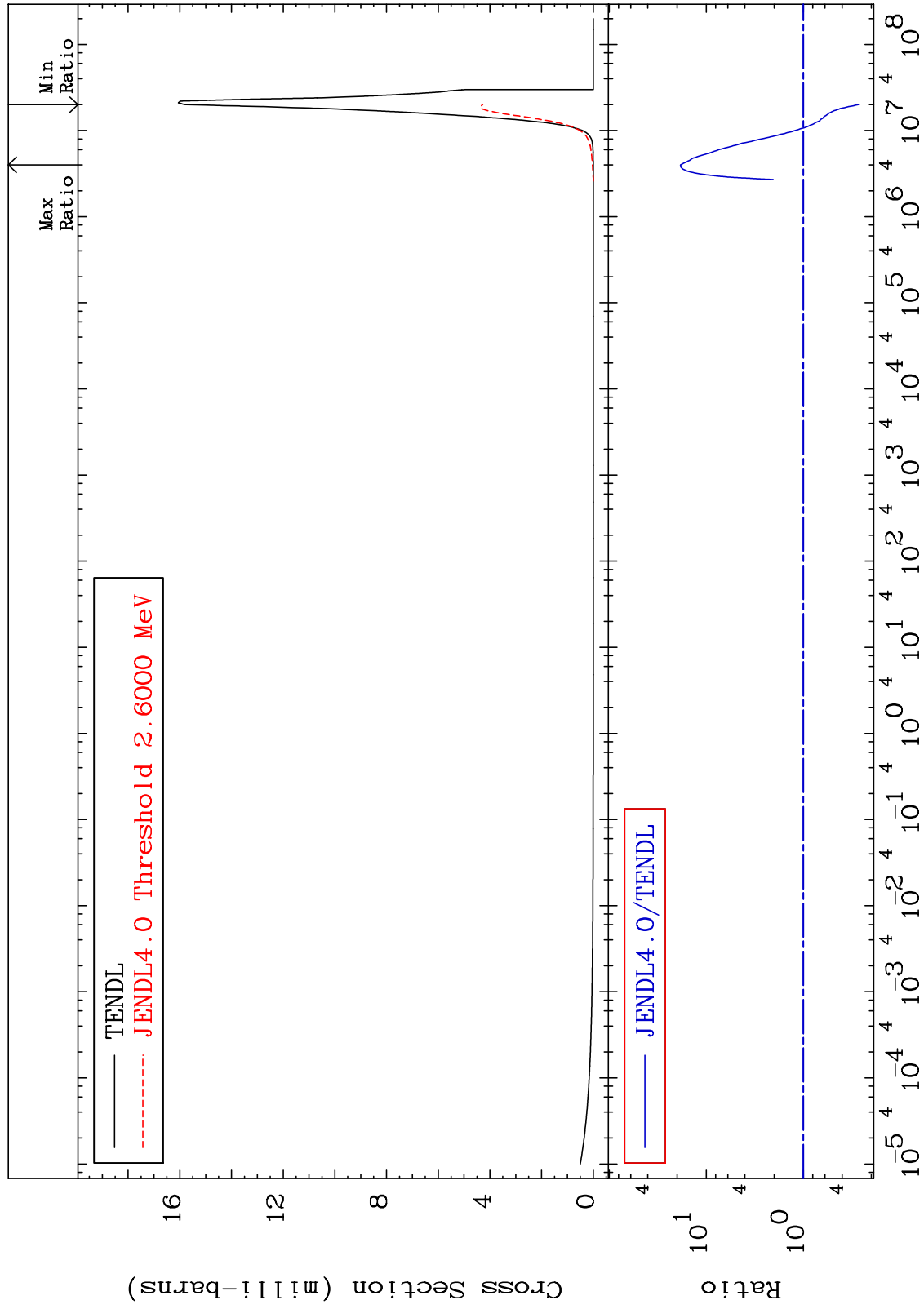


MAT 7031

(n, α)
Cross Section

70-Yb-170

-72.93 To 1745. %



25

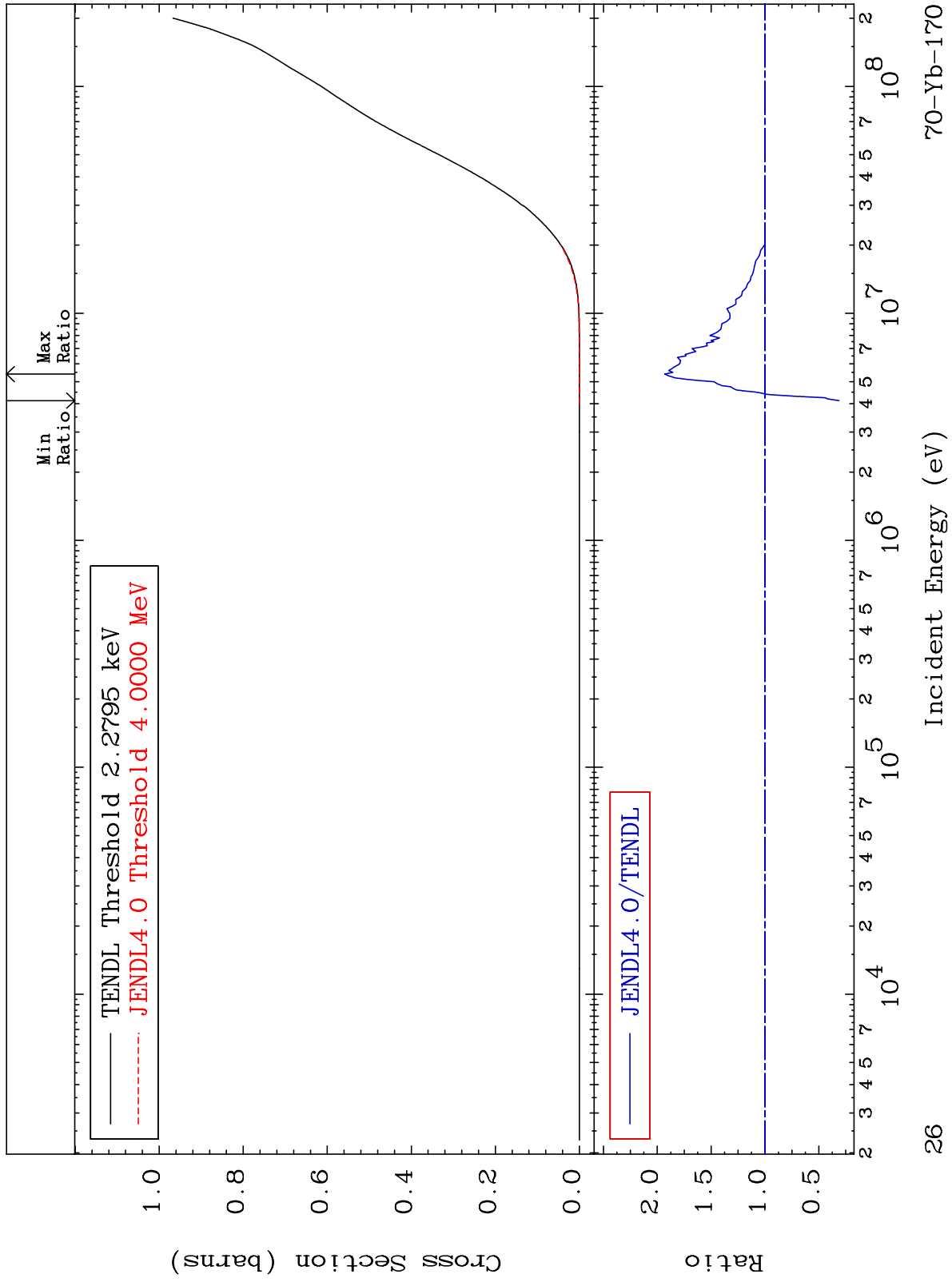
Incident Energy (eV)

70-Yb-170

MAT 7031

Hydrogen Production
Cross Section

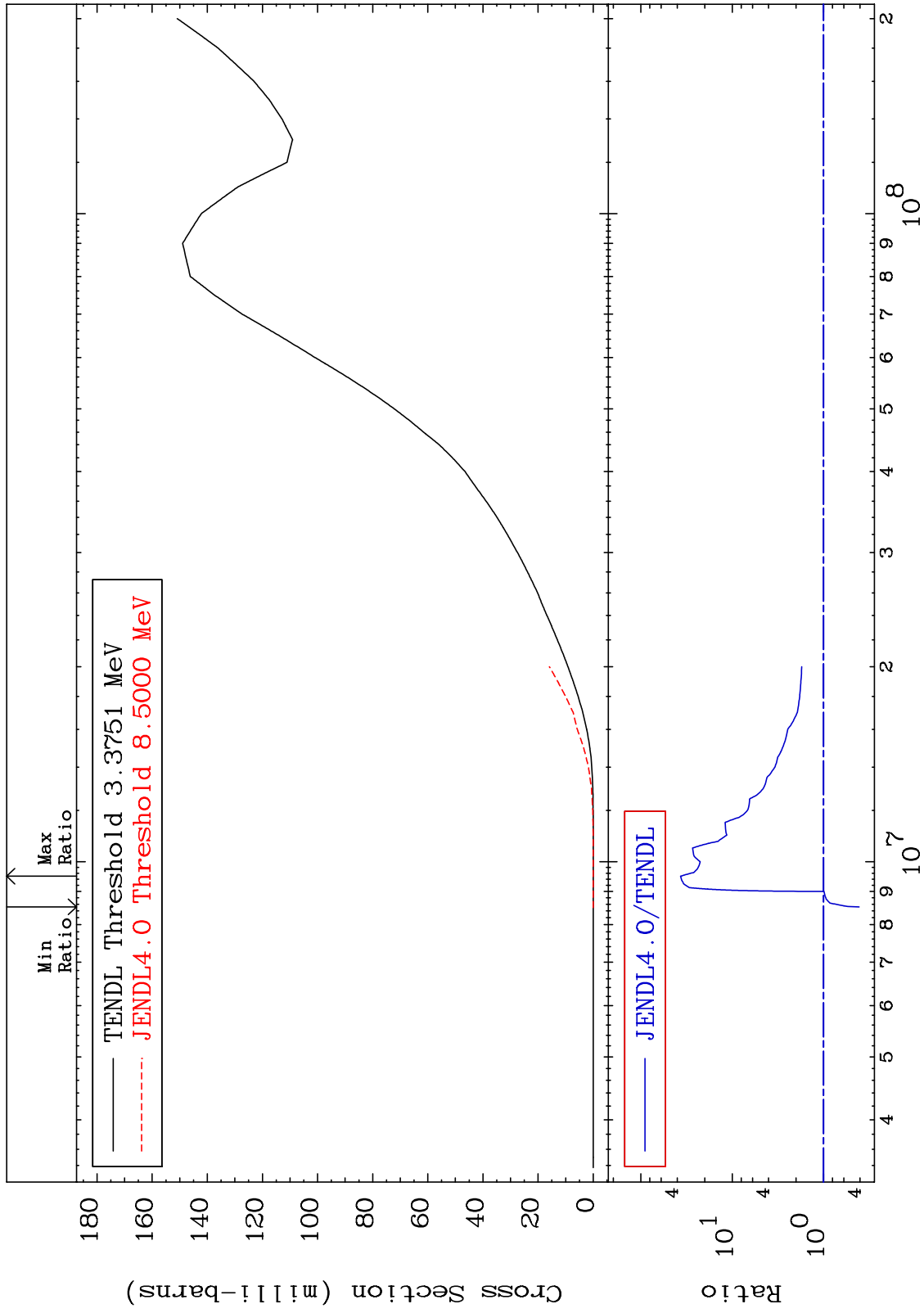
70-Yb-170
-68.87 To 93.08 %



MAT 7031

Deuterium Production
Cross Section

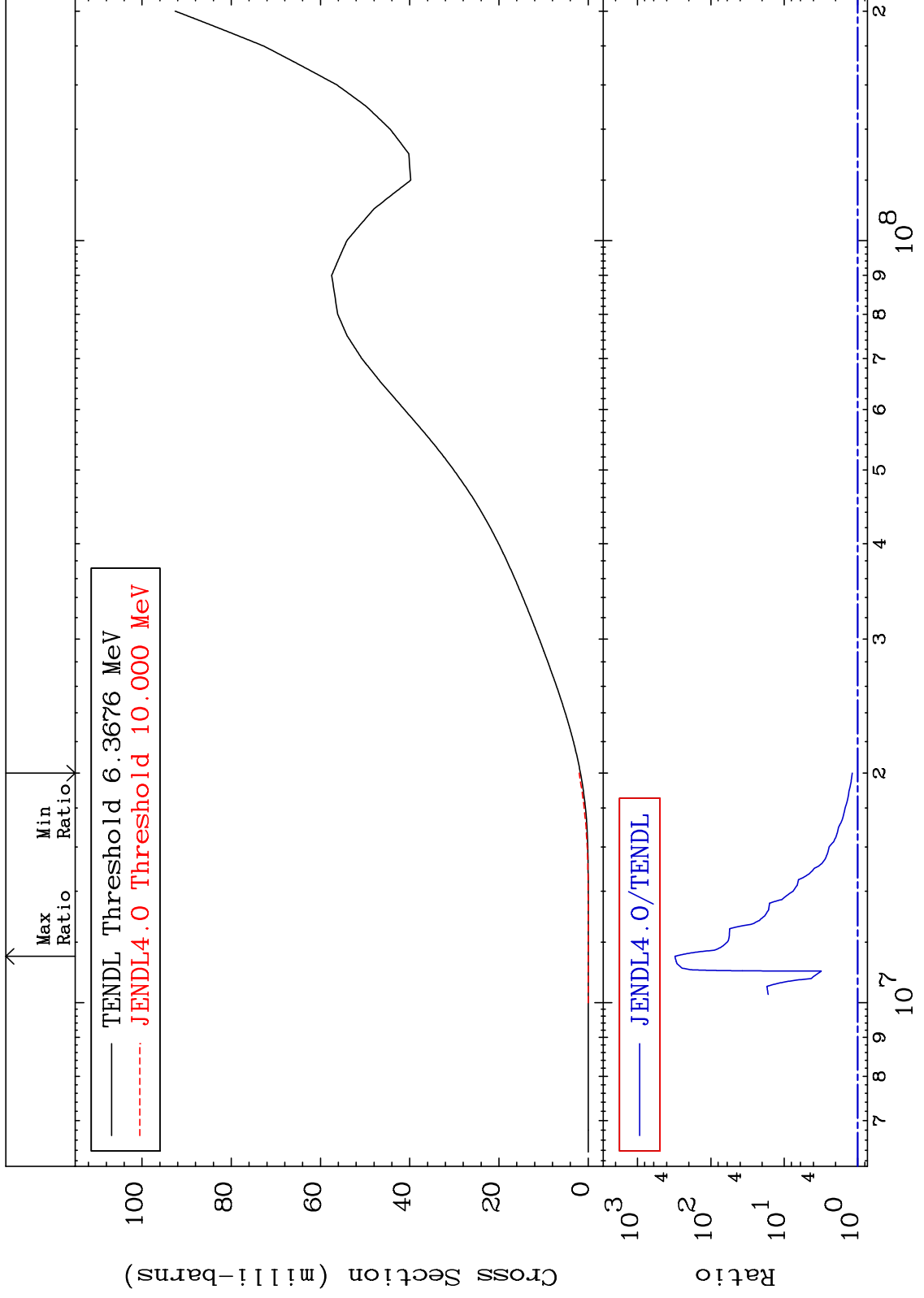
70-Yb-170
-59.15 To 3576. %



MAT 7031

Tritium Production
Cross Section

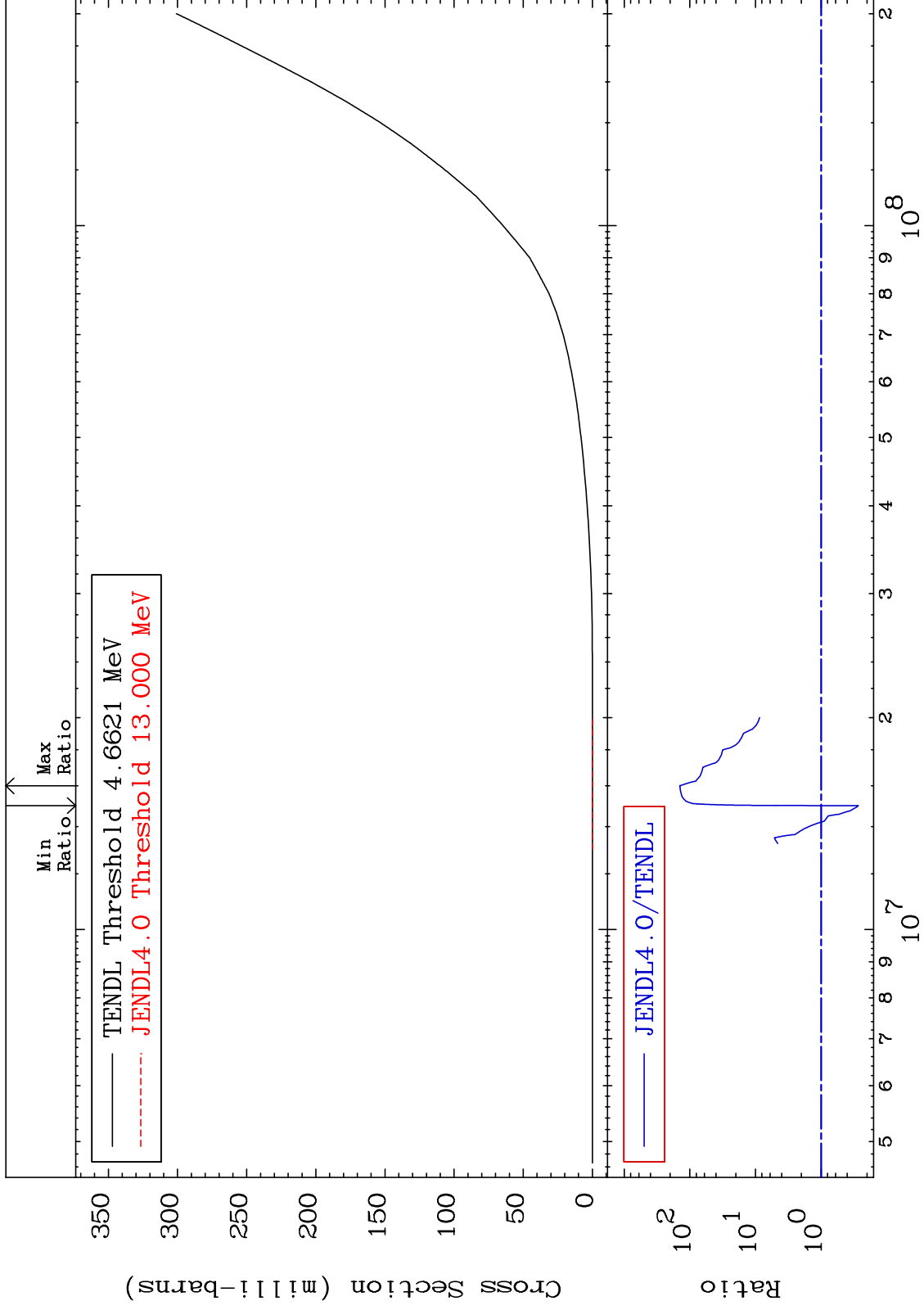
70-Yb-170
18.15 To 9999. %



MAT 7031

He-3 Production
Cross Section

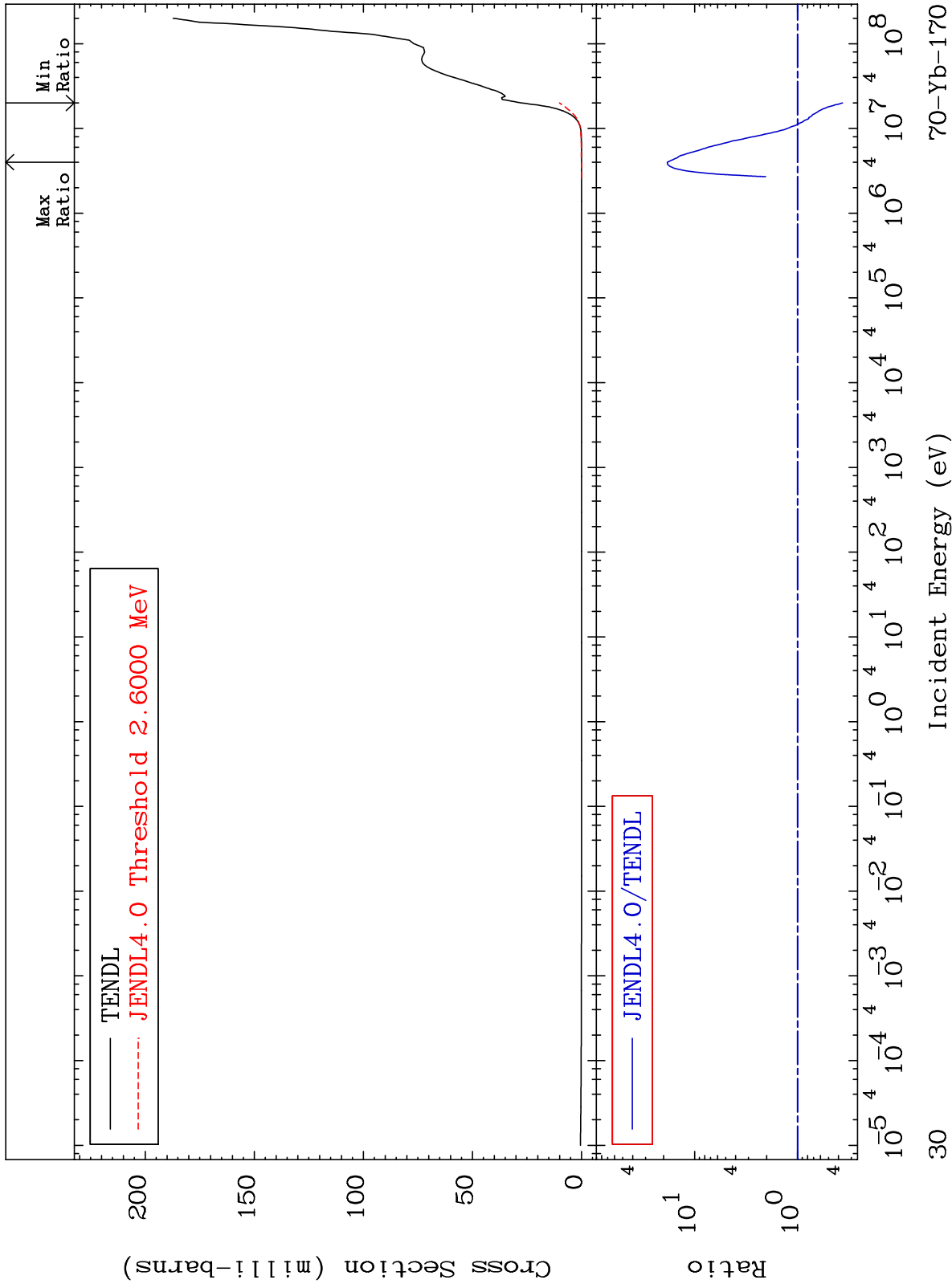
70-Yb-170
-72.95 To 9999. %



MAT 7031

He-4 Production
Cross Section

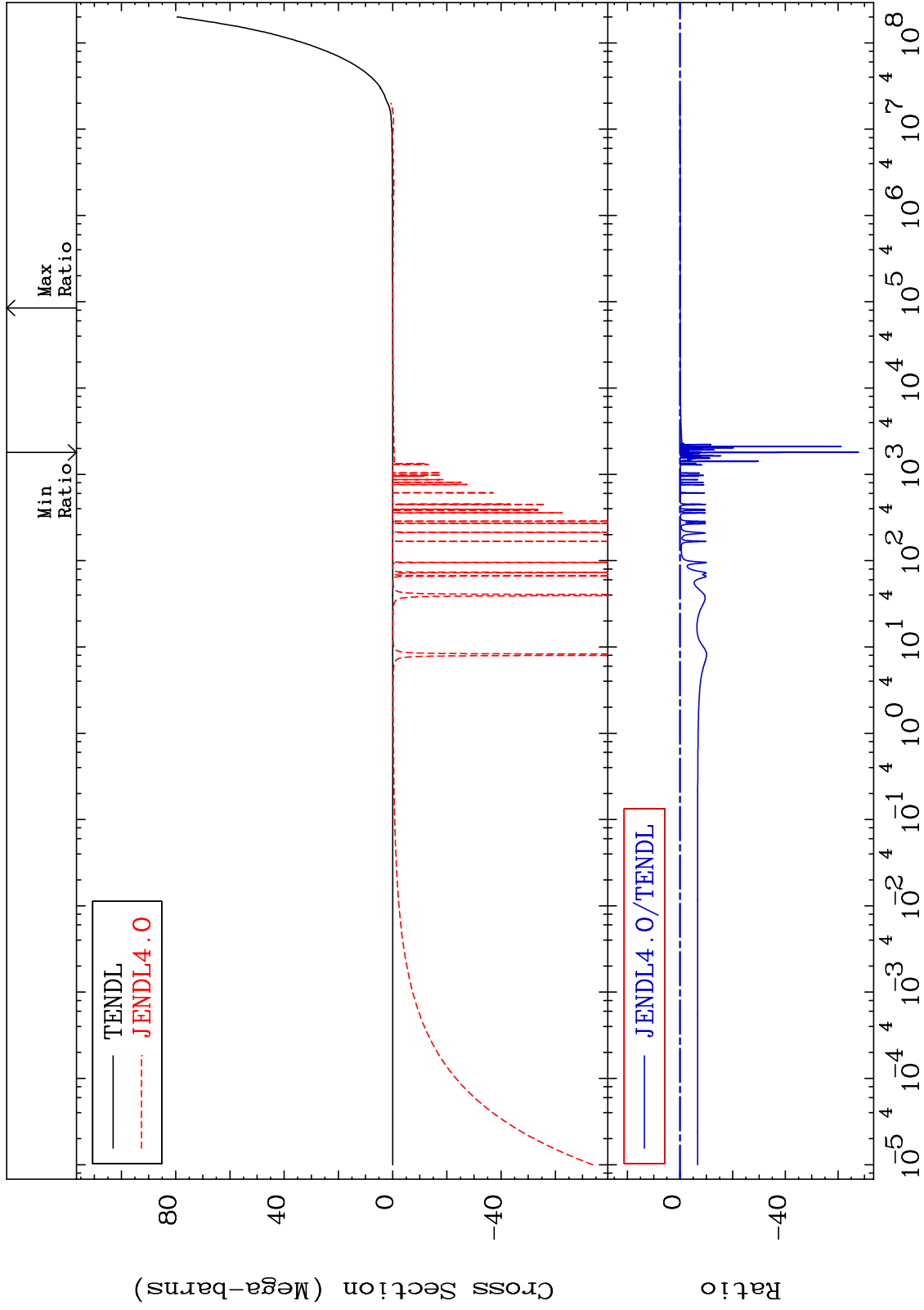
70-Yb-170
-63.44 To 1745. %



MAT 7031

Kerma total (eV-barns)
Cross Section

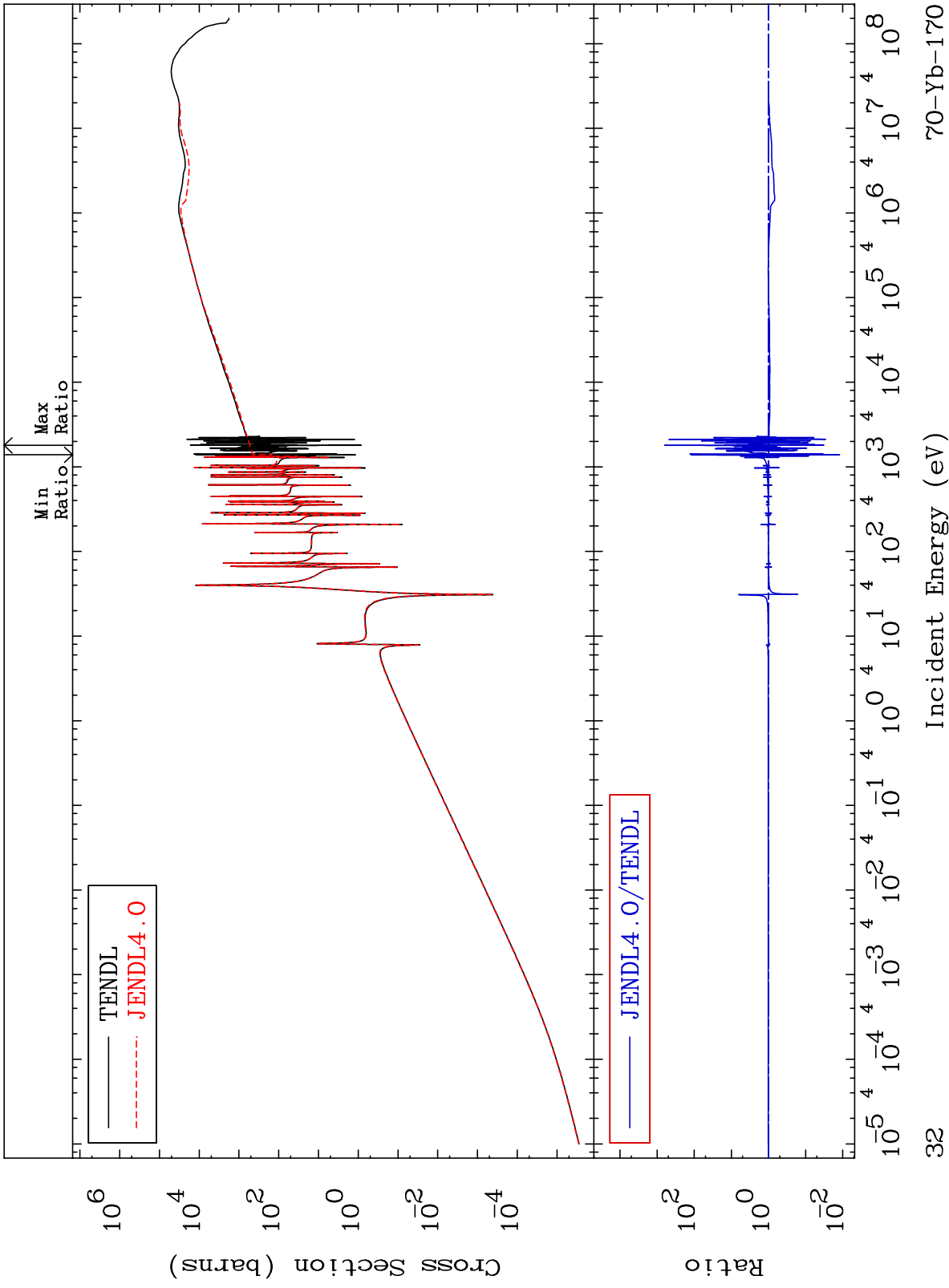
70-Yb-170
-9999. To 1394. %



MAT 7031

Kerma elastic
Cross Section

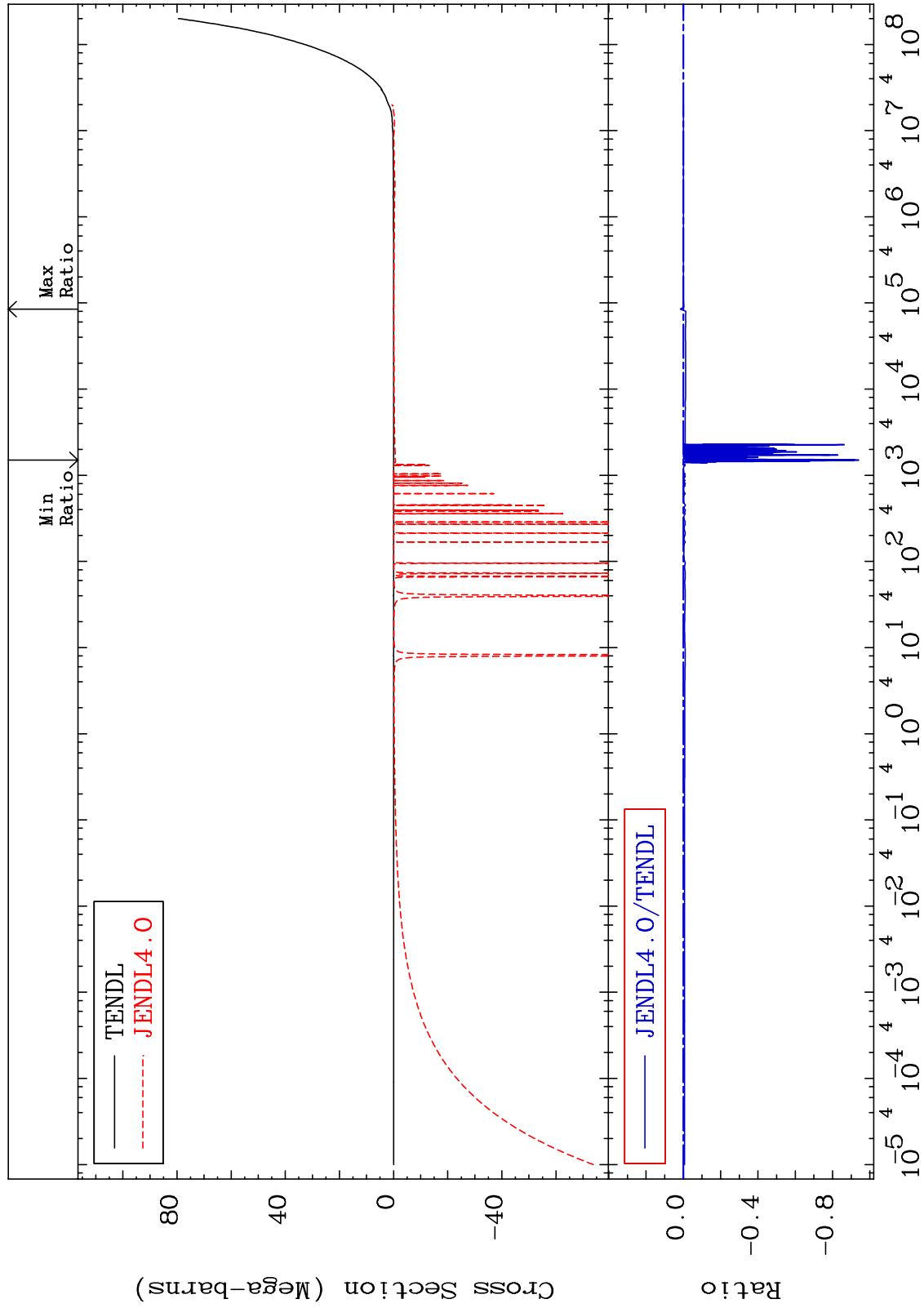
70-Yb-170
-98.79 To 9999. %



MAT 7031

Kerma non-elastic (all but mt2)
Cross Section

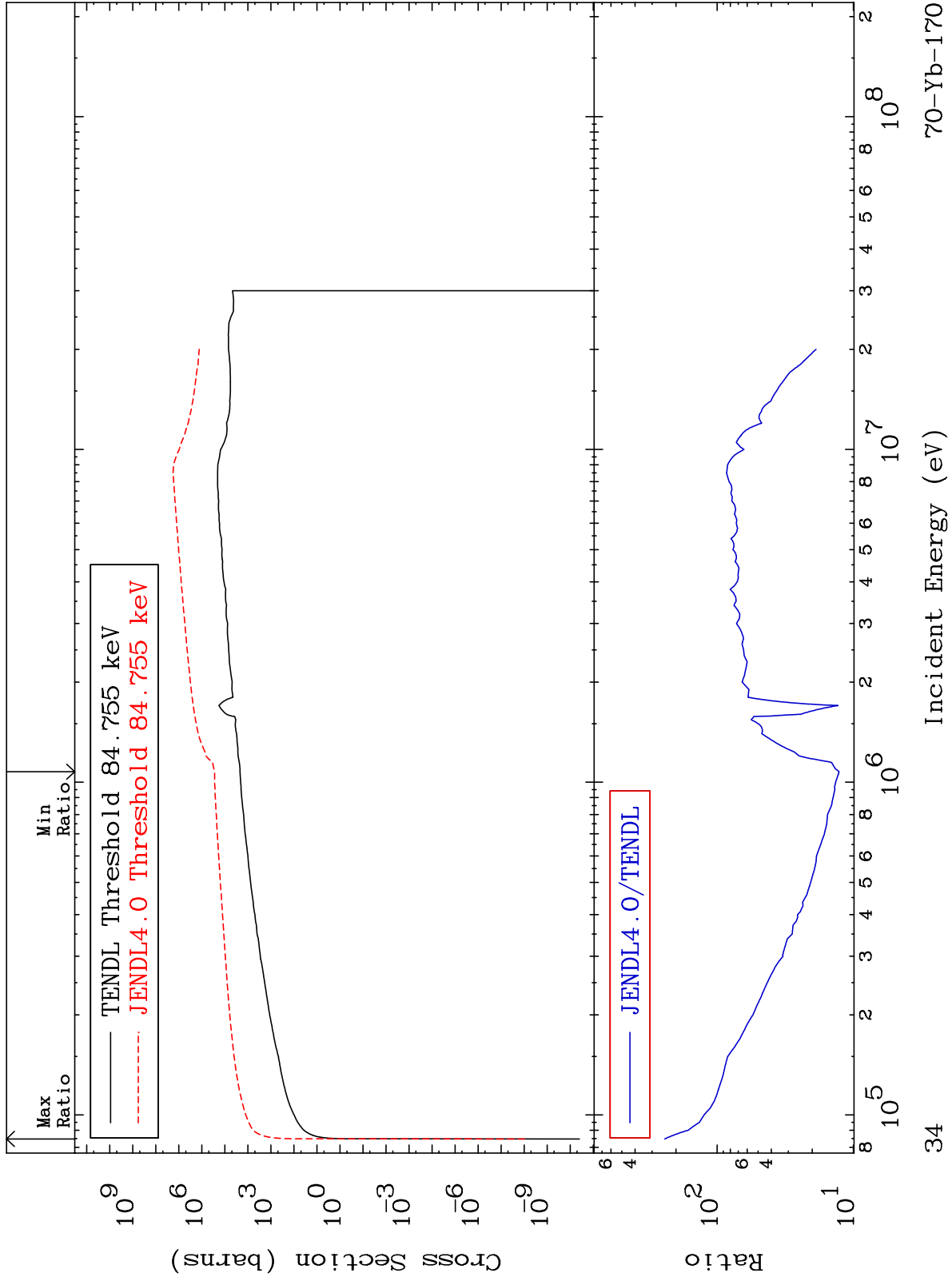
70-Yb-170
-9999. To 9999. %



MAT 7031

Kerma inelastic (mt51-91)
Cross Section

70-Yb-170
1171. To 9999. %



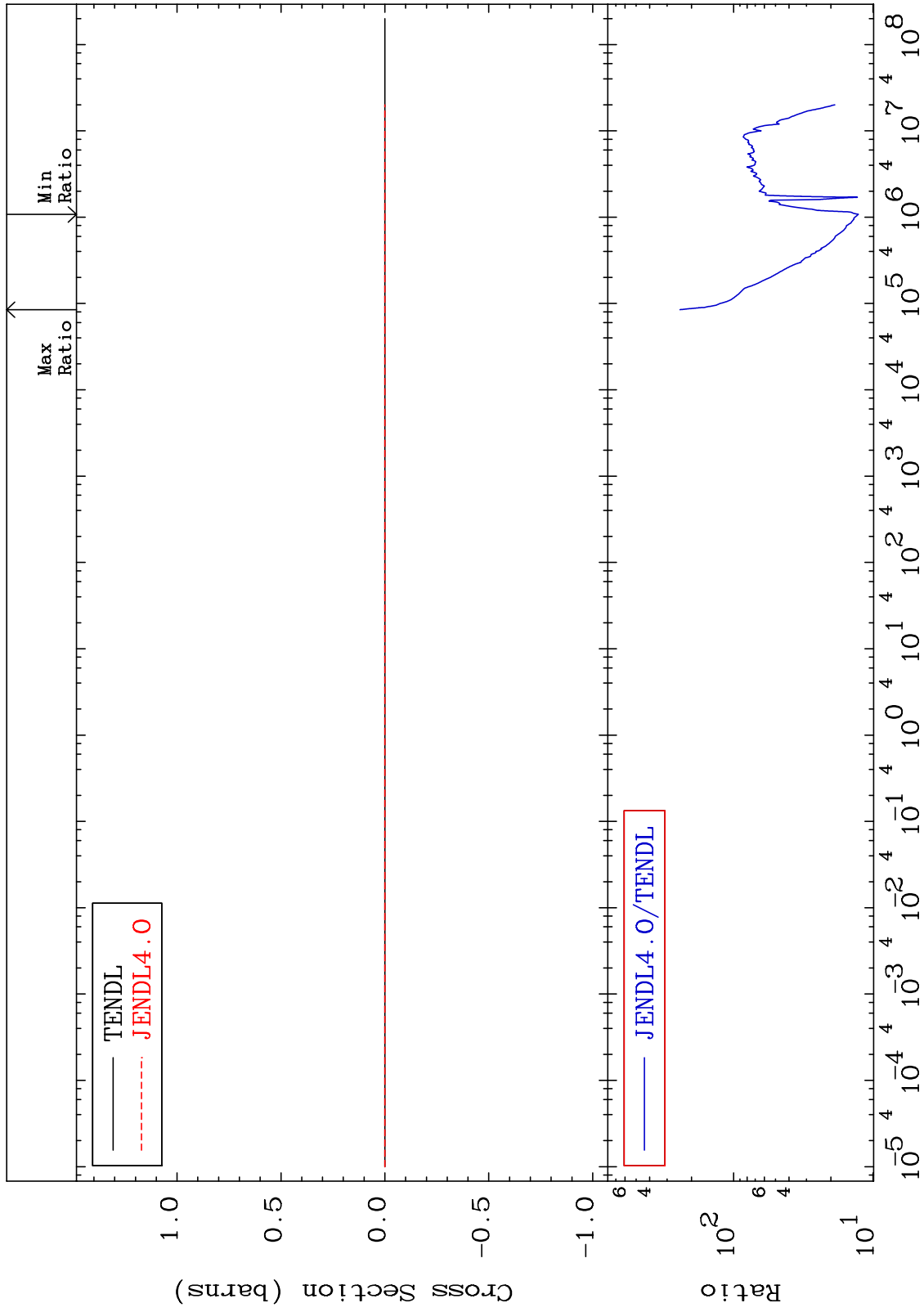
34

70-Yb-170

MAT 7031

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

70-Yb-170
1171. To 9999. %



35

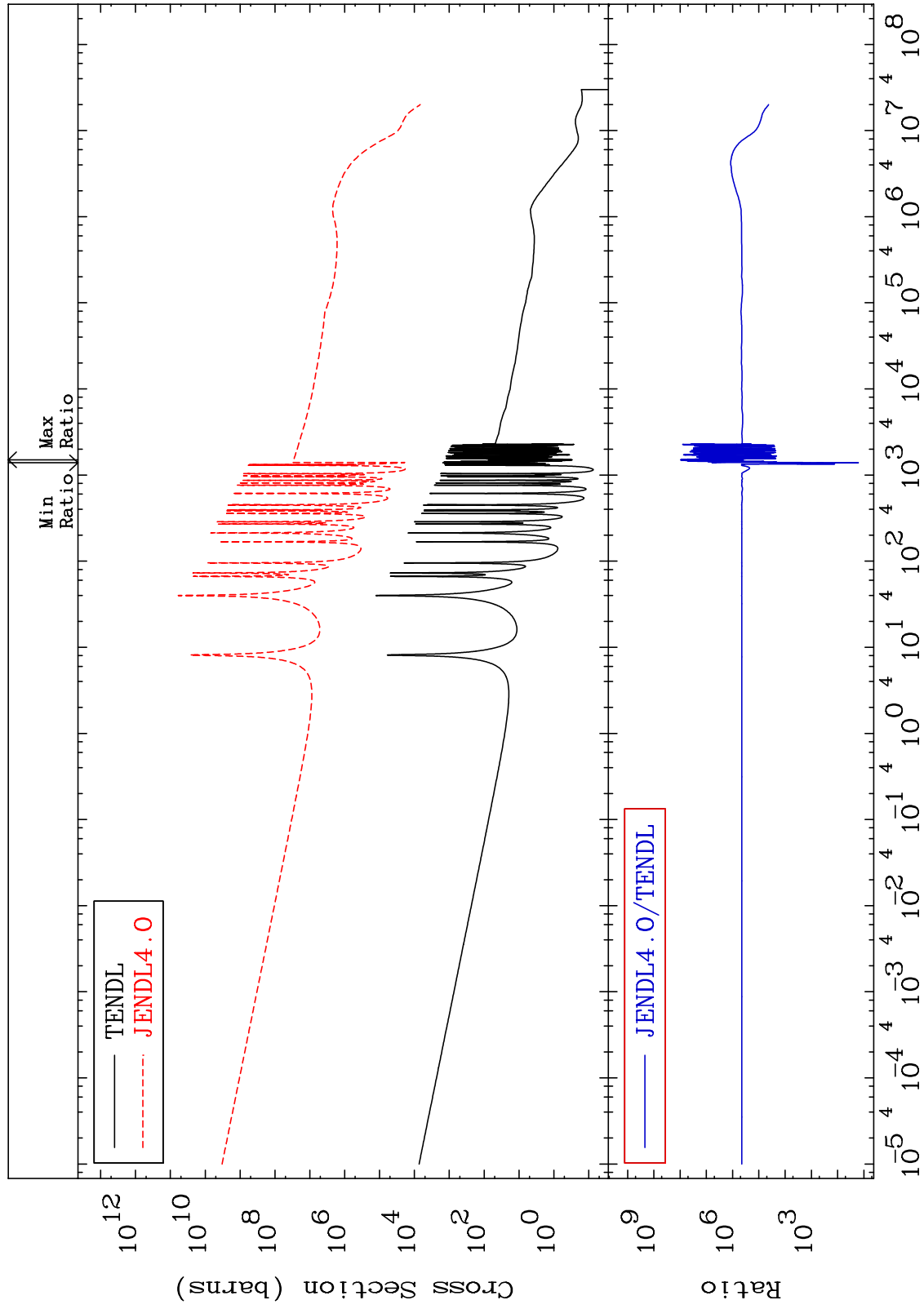
Incident Energy (eV)

70-Yb-170

MAT 7031

Kerma capture (mt102)
Cross Section

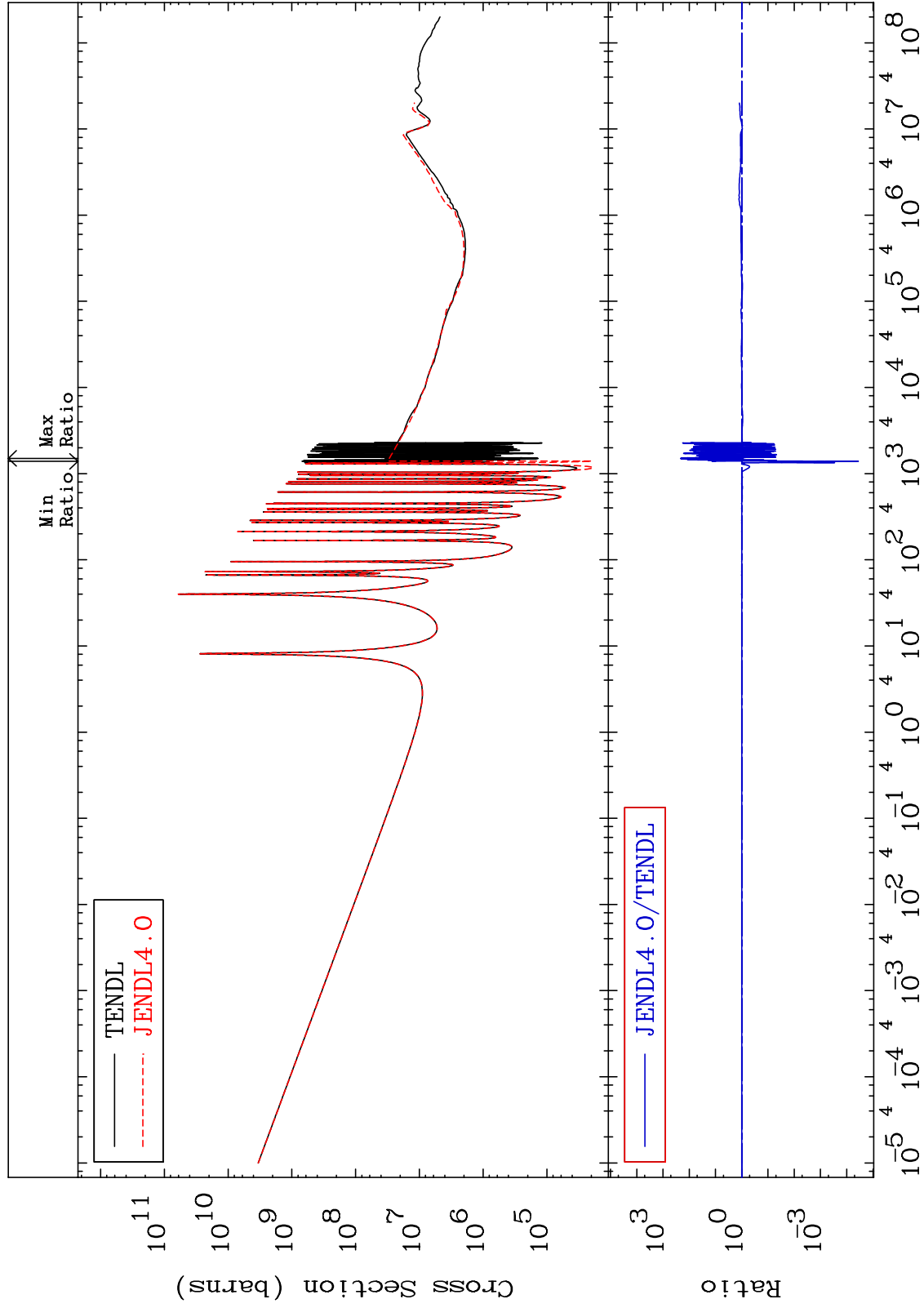
70-Yb-170
1495. To 9999. %



MAT 7031

Total photon (eV-barns)
Cross Section

70-Yb-170
-100.0 To 9999. %



37

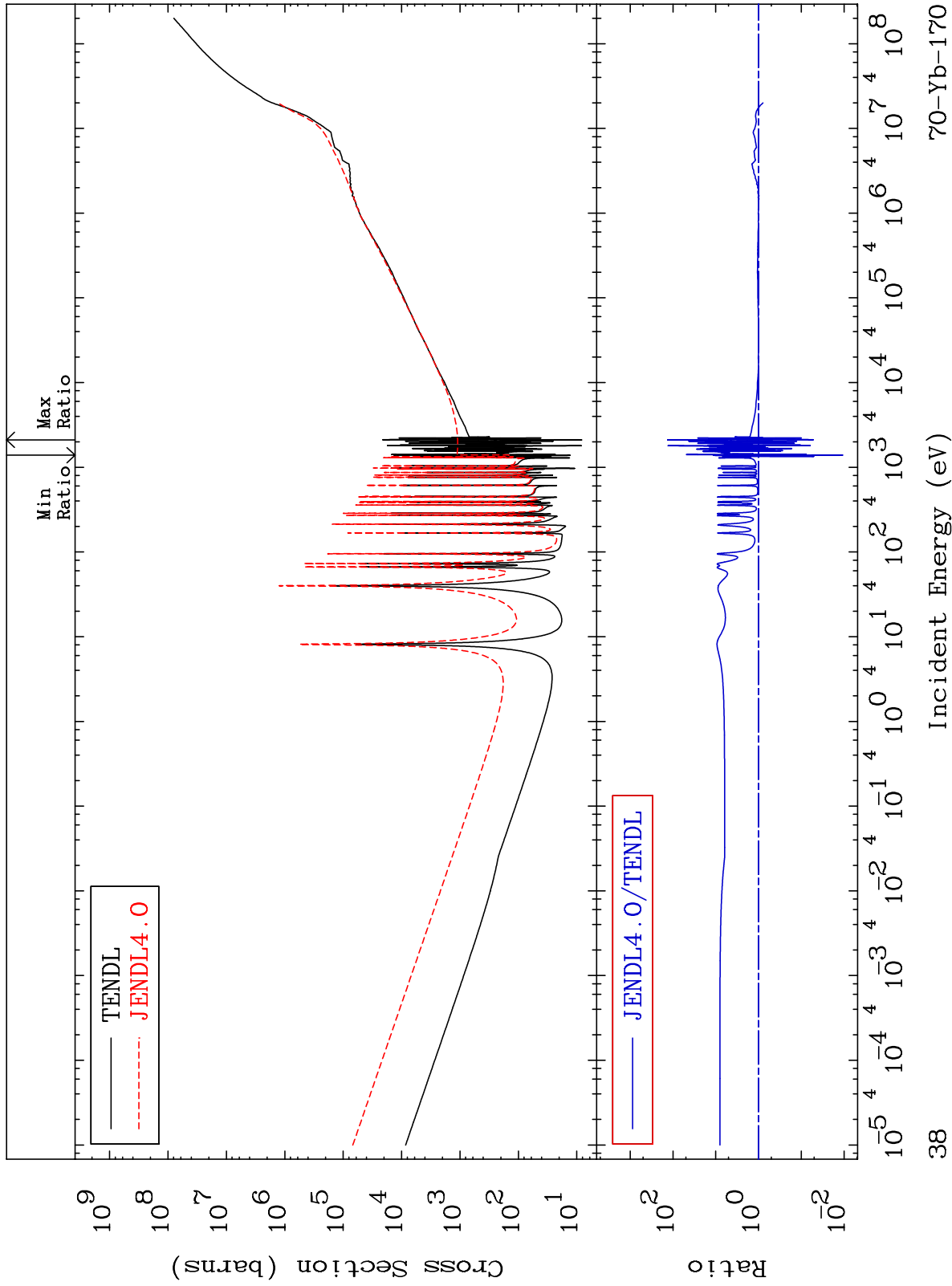
Incident Energy (eV)

70-Yb-170

MAT 7031

Total kinematic kerma (high limit)
Cross Section

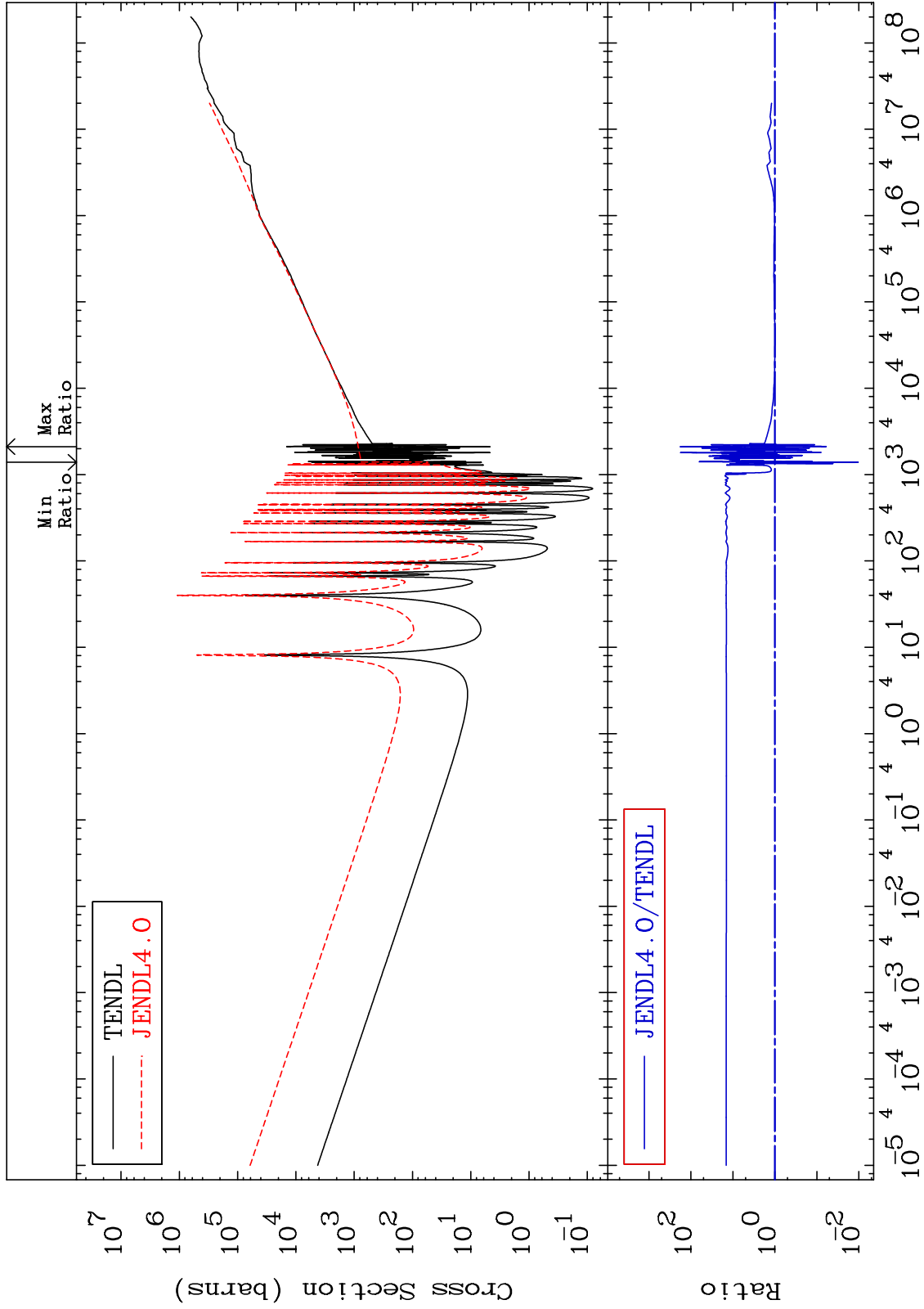
70-Yb-170
-98.92 To 9999. %



MAT 7031

Dpa total (eV-barns)
Cross Section

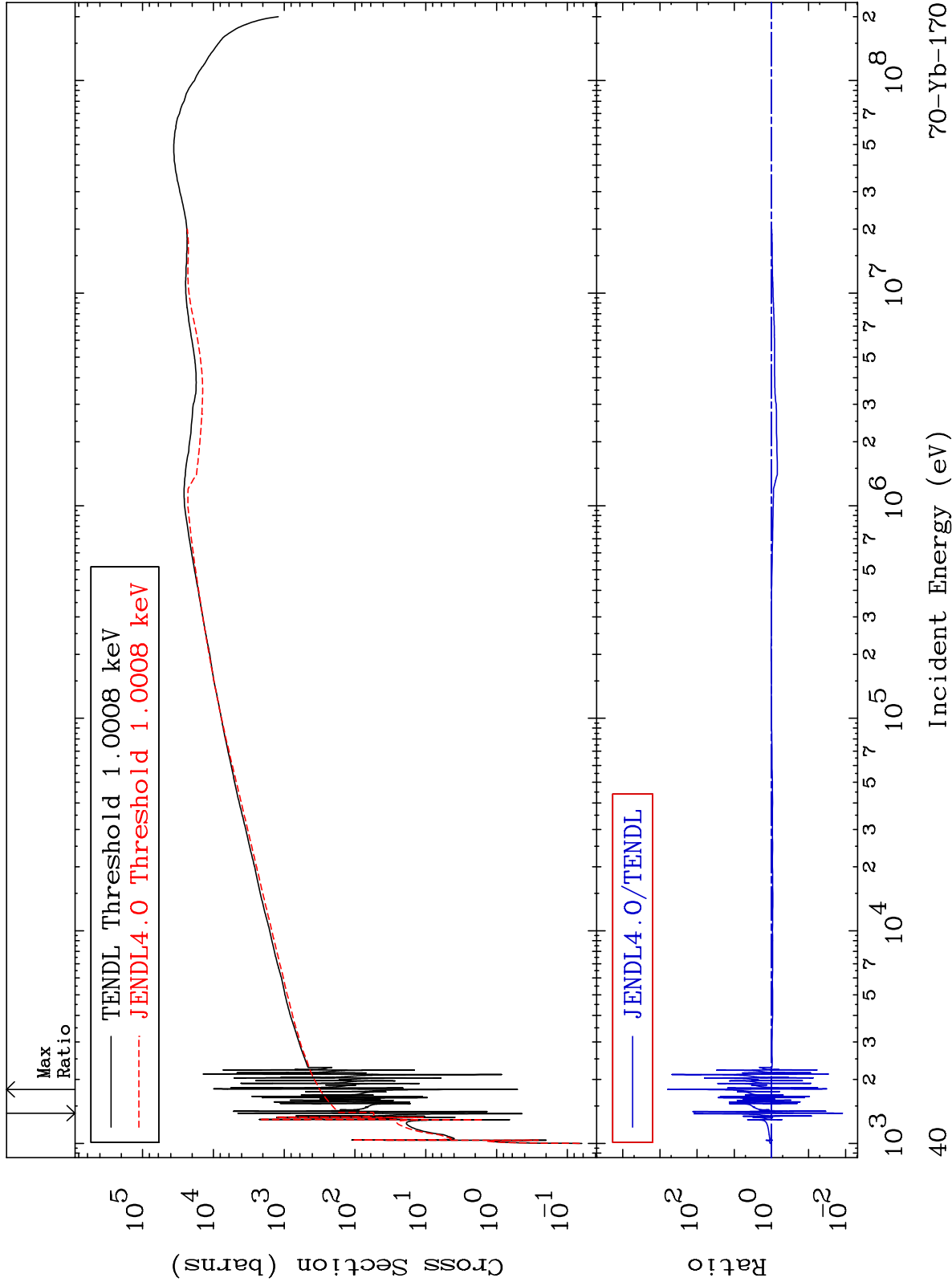
70-Yb-170
-98.98 To 9999. %



MAT 7031

Dpa elastic (mt2)
Cross Section

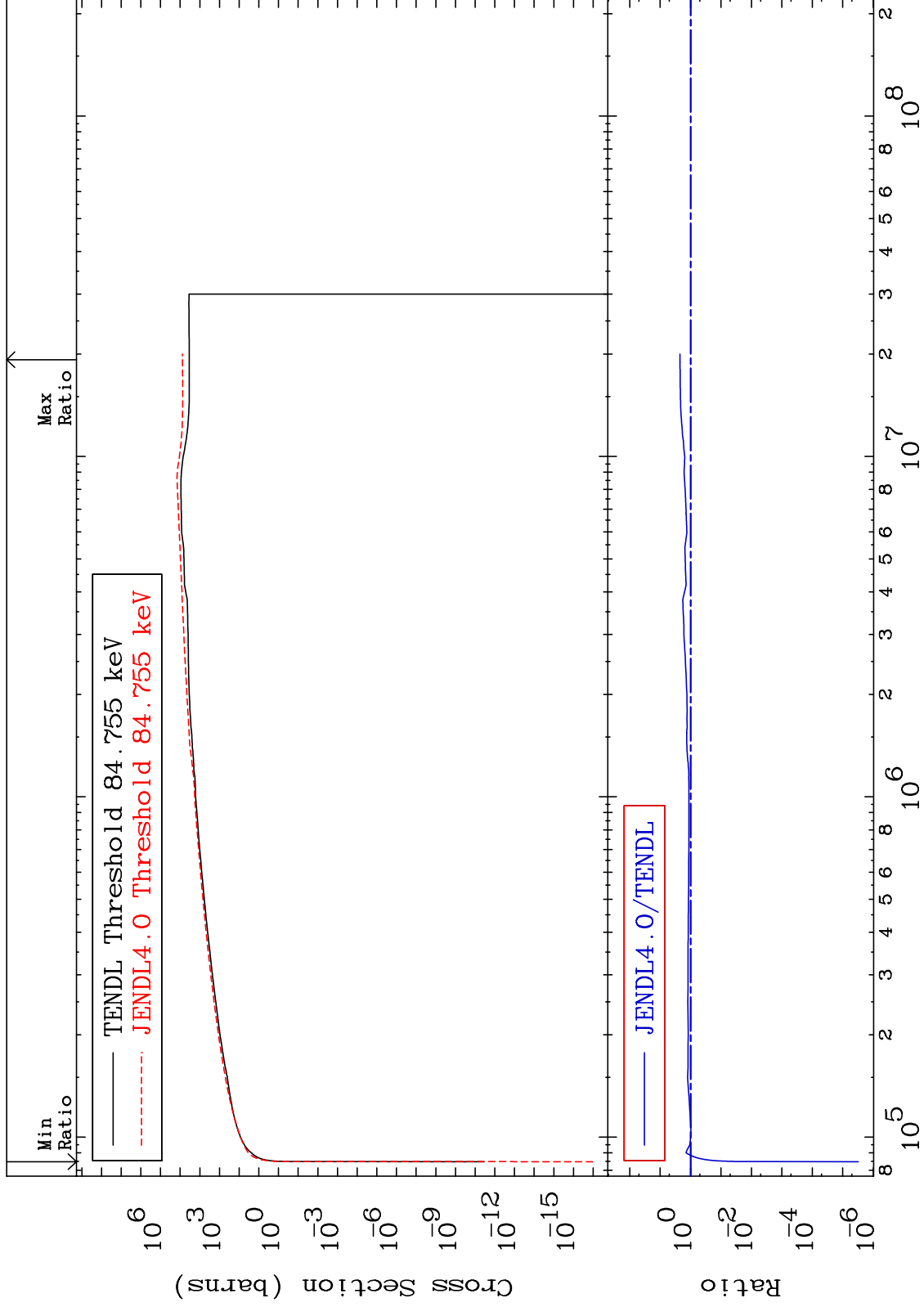
70-Yb-170
-98.79 To 9999. %



MAT 7031

Dpa inelastic (mt51-91)
Cross Section

70-Yb-170
-100.0 To 121.7 %



41

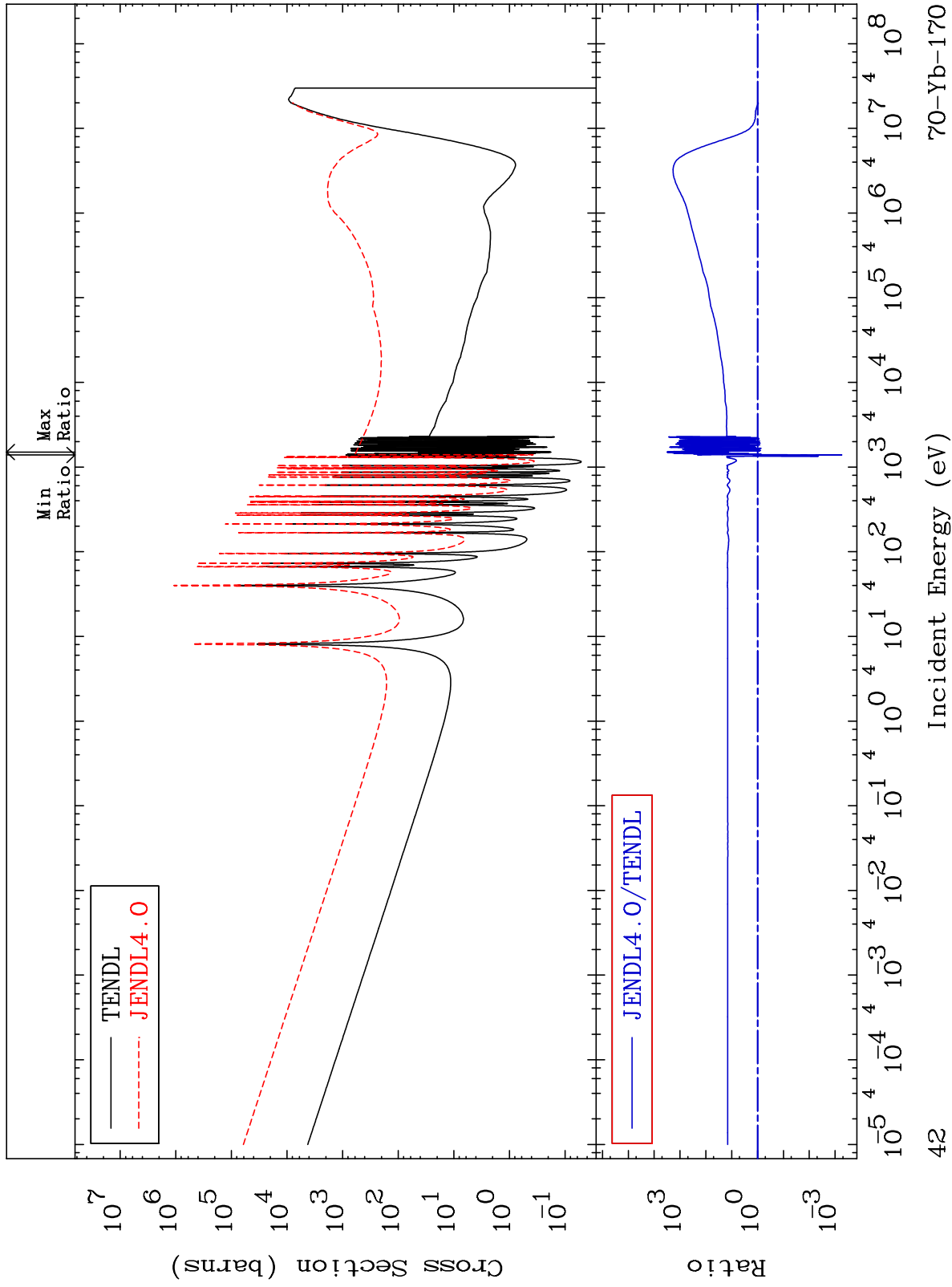
Incident Energy (eV)

70-Yb-170

MAT 7031

Dpa disappearance (mt102 -120)
Cross Section

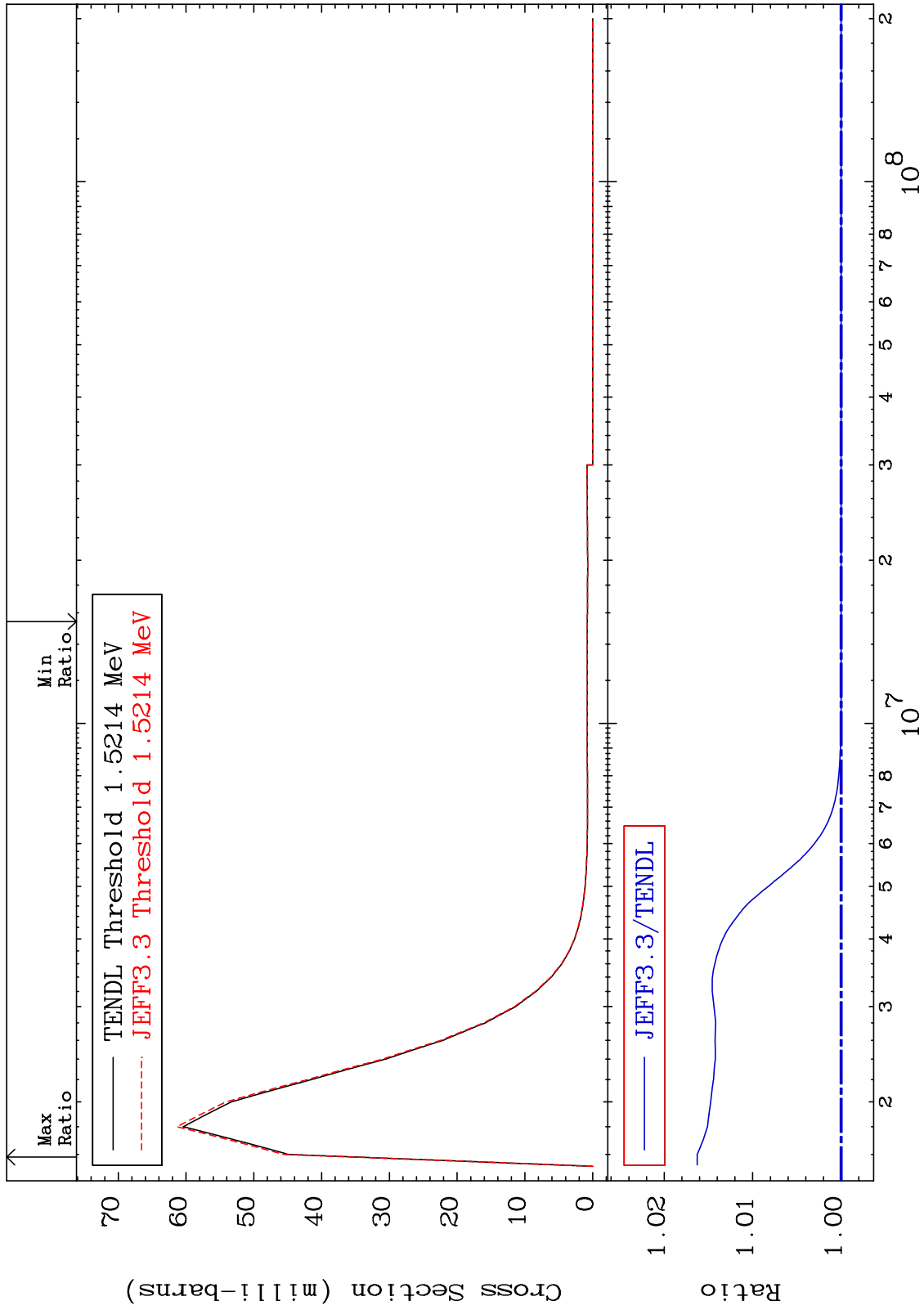
70-Yb-170
-99.95 To 9999. %

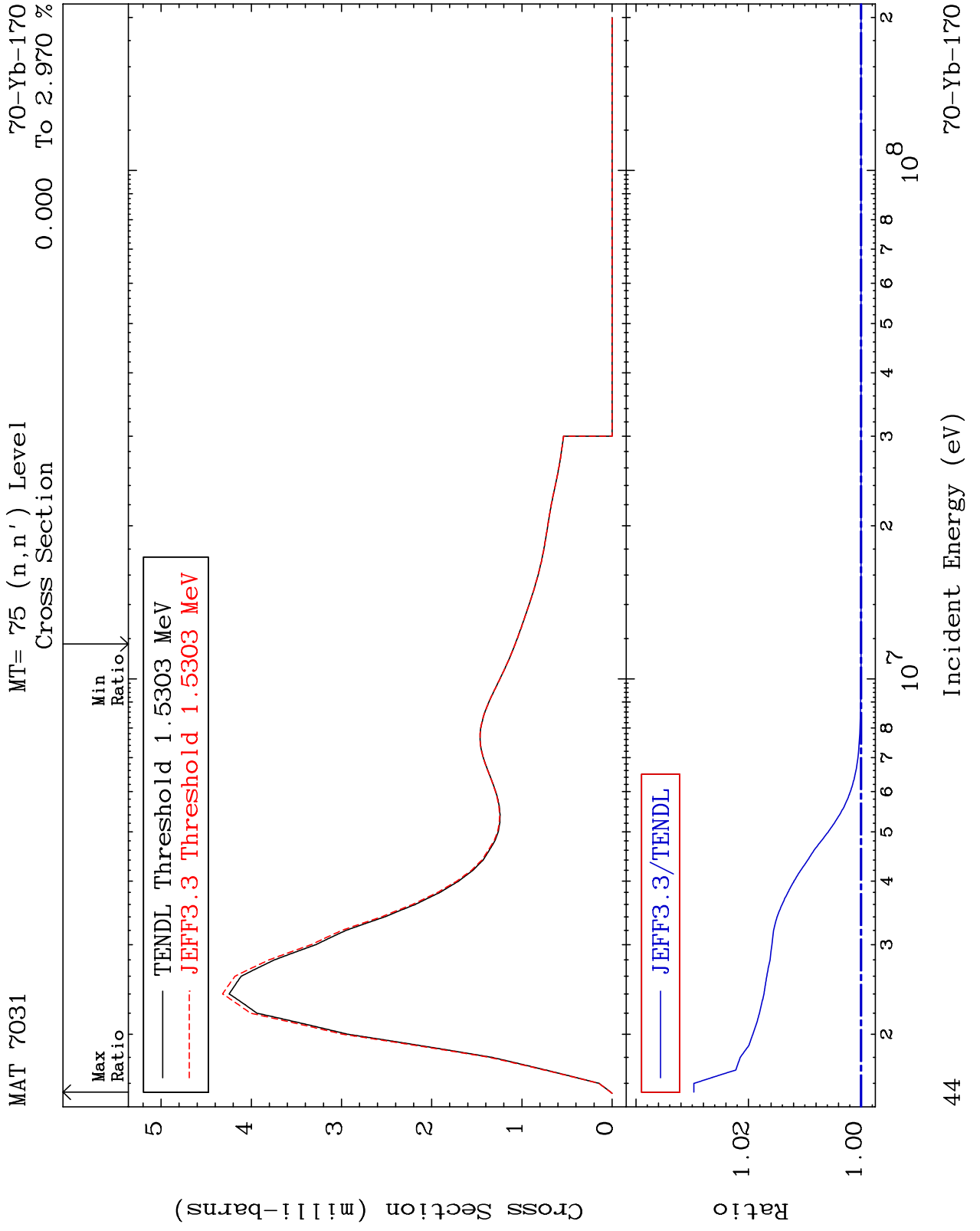


MAT 7031

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

70-Yb-170
To 1.626 %
0.000

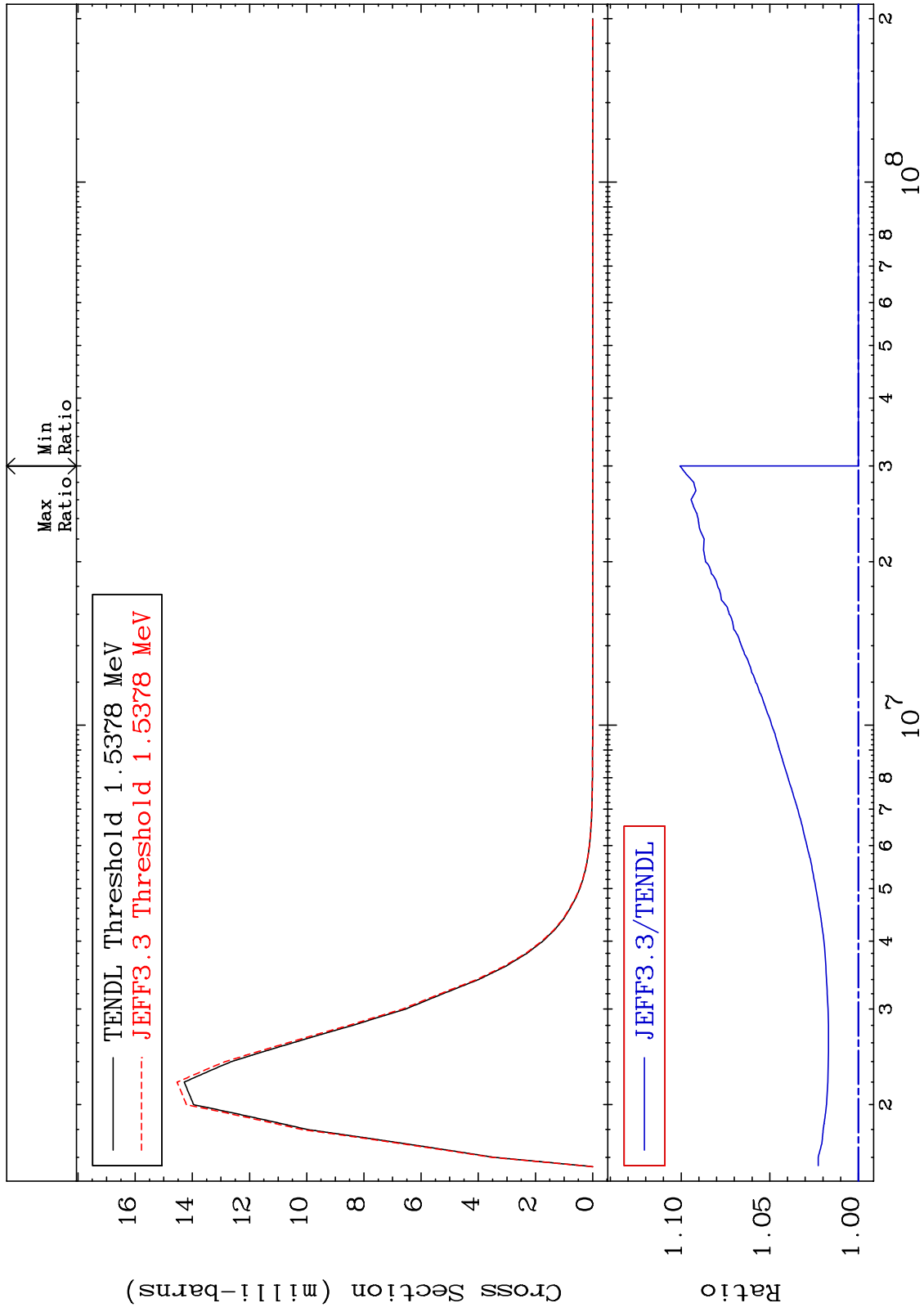




MAT 7031

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

70-Yb-170
To 10.07 %
0.000



45

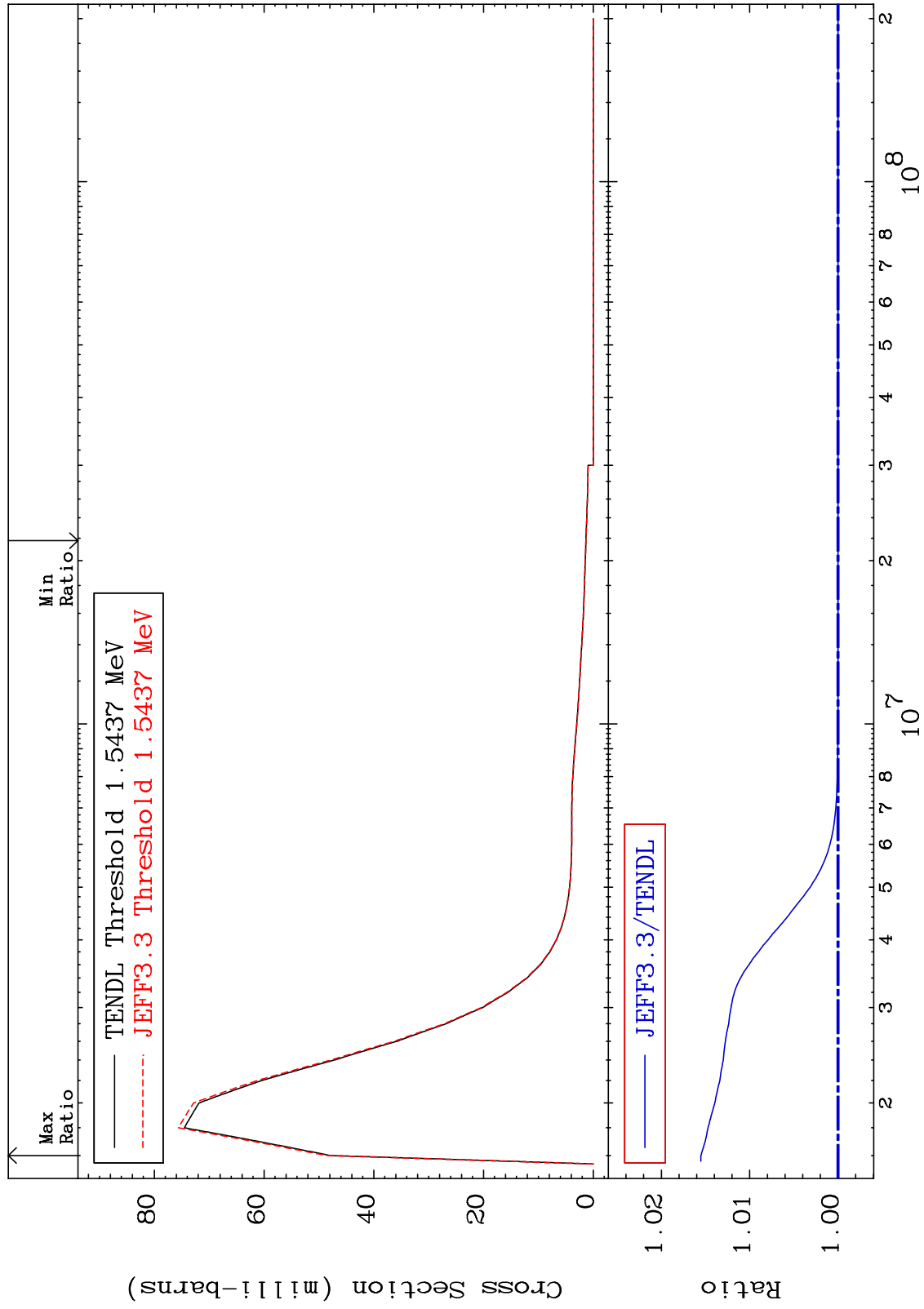
Incident Energy (eV)

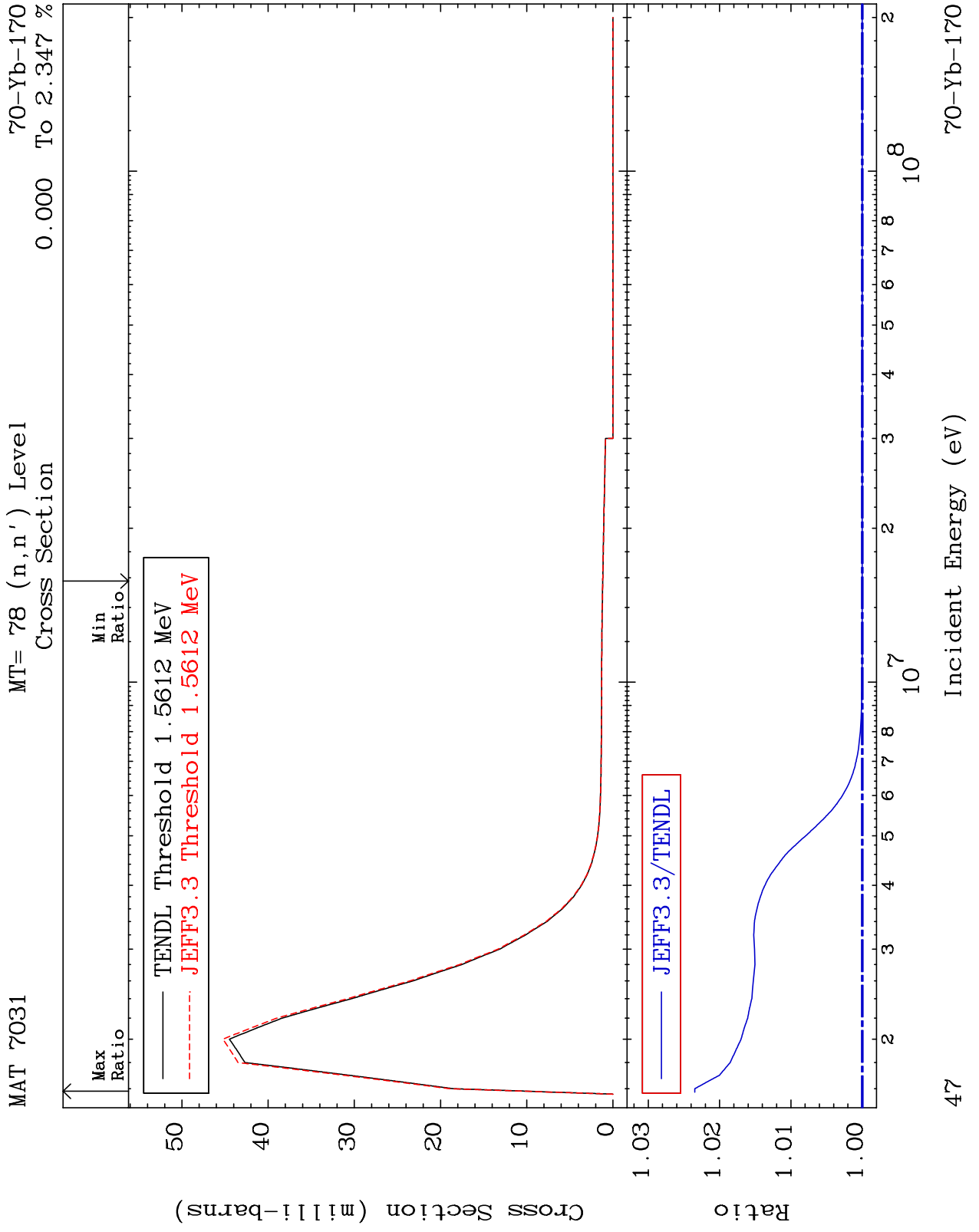
70-Yb-170

MAT 7031

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

70-Yb-170
To 1.552 %
0.000

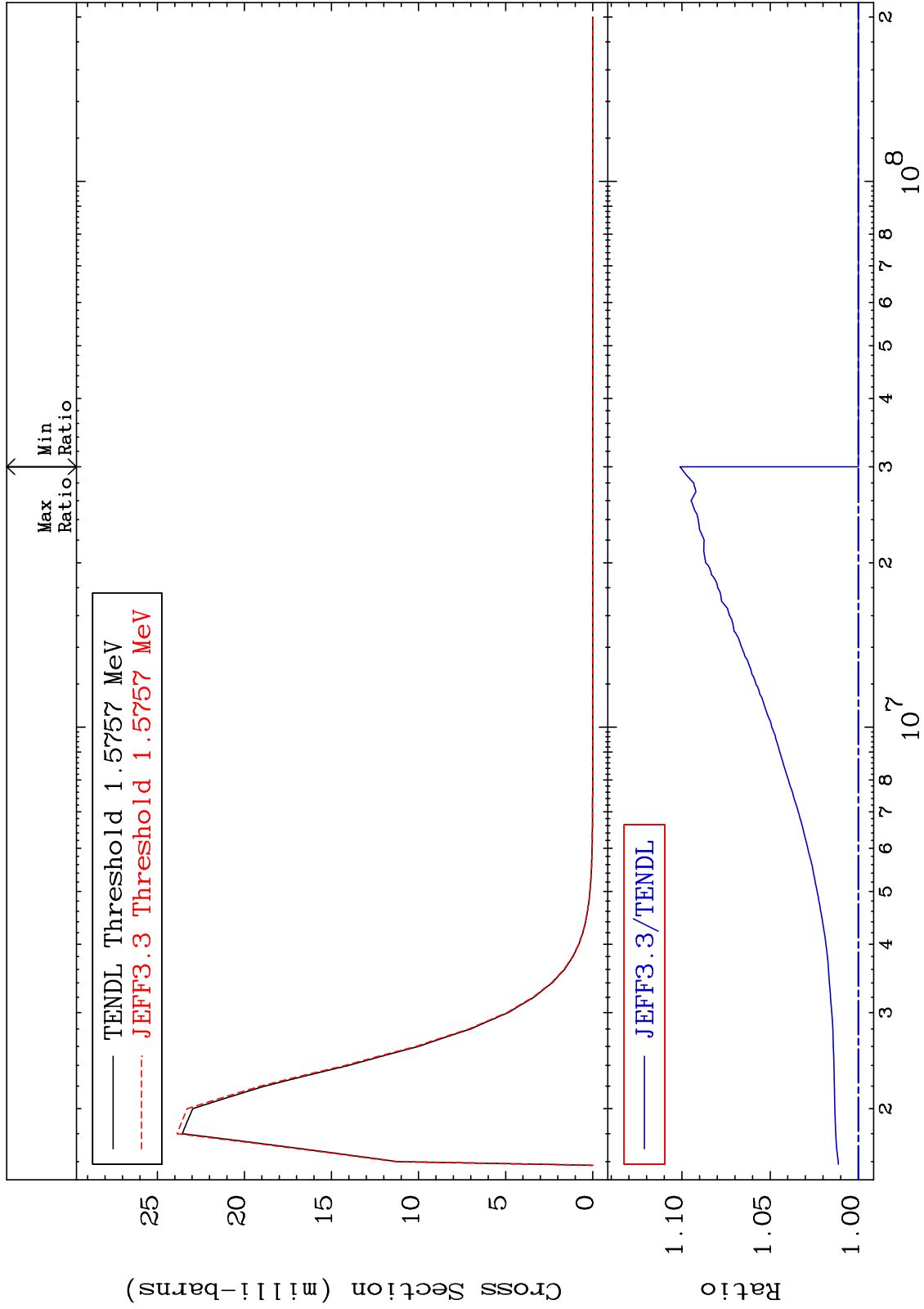




MAT 7031

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

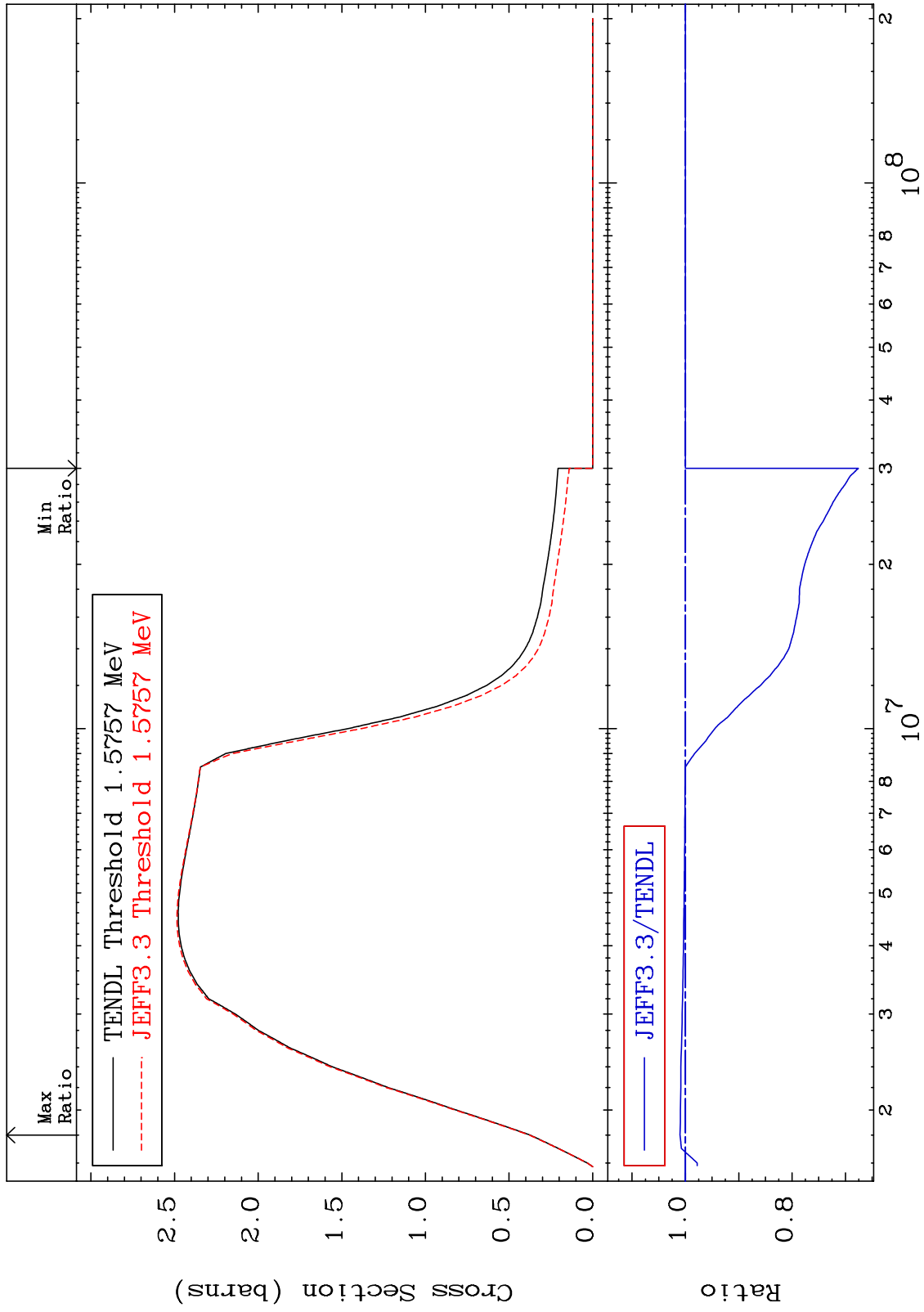
70-Yb-170
To 10.11 %
0.000



MAT 7031

(n,n') Continuum
Cross Section

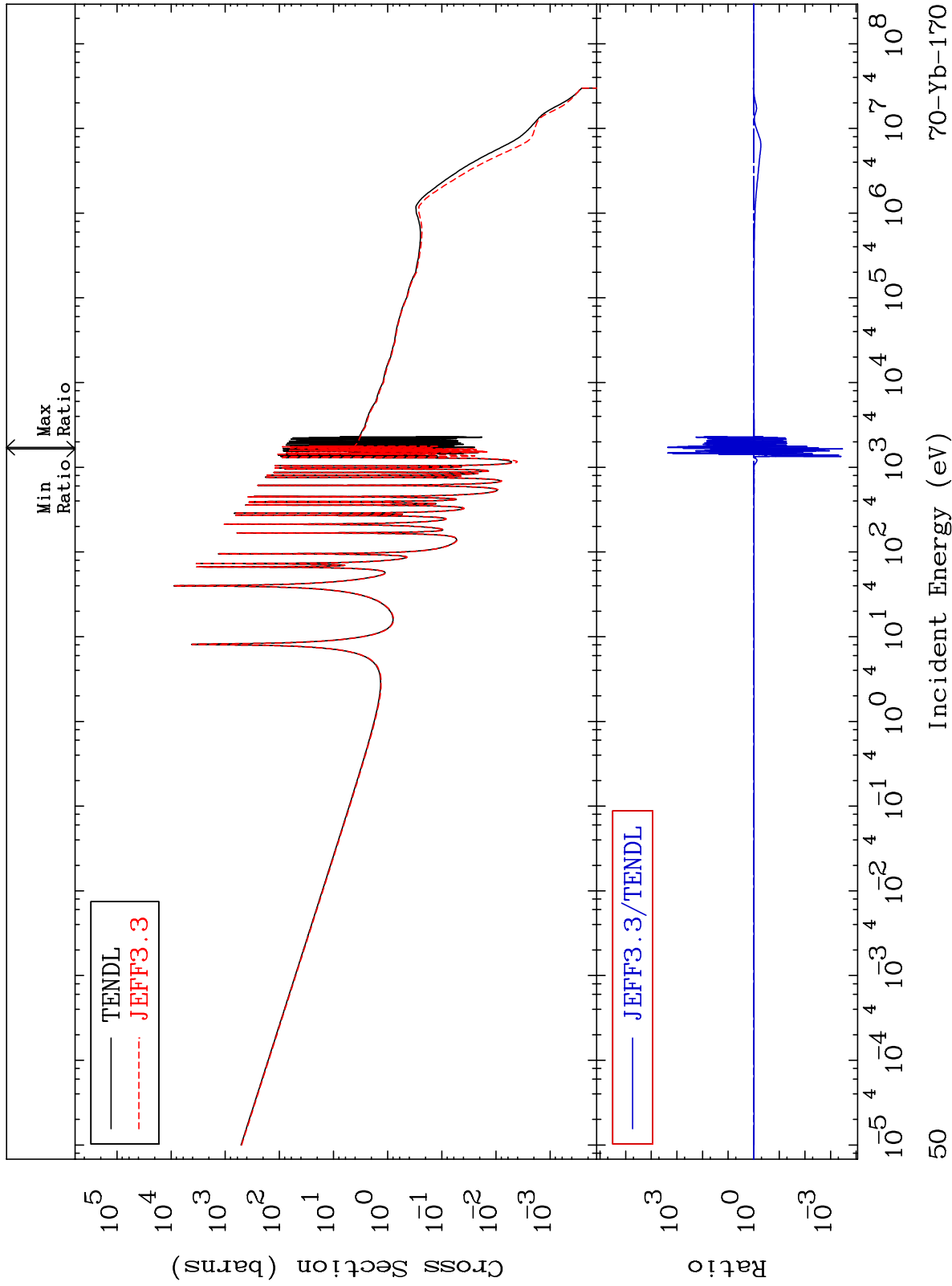
70-Yb-170
-32.44 To 1.010 %



MAT 7031

(n, γ)
Cross Section

70-Yb-170
-99.97 To 9999. %



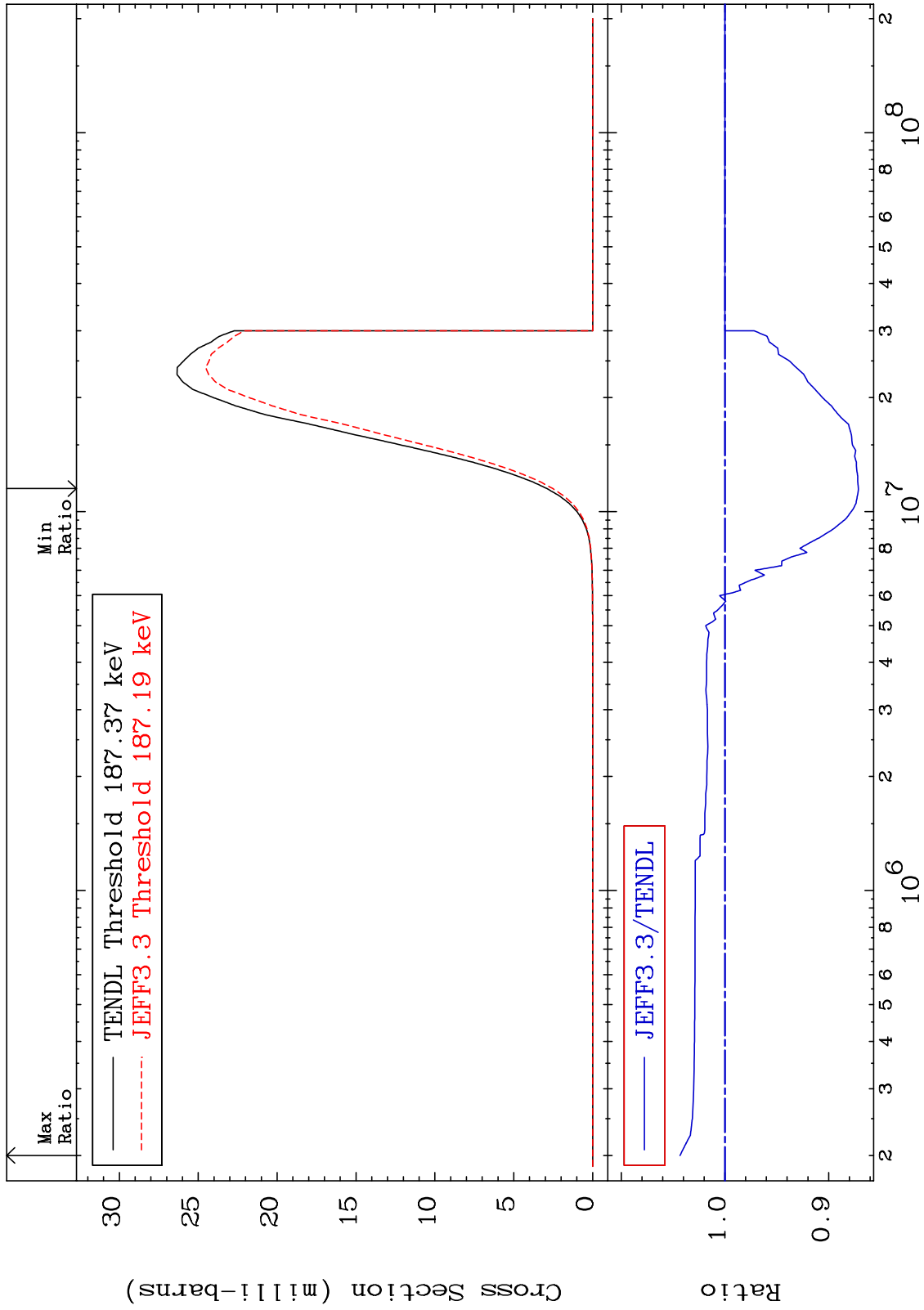
MAT 7031

(n, p)

70-Yb-170

Cross Section

-12.87 To 4.333 %



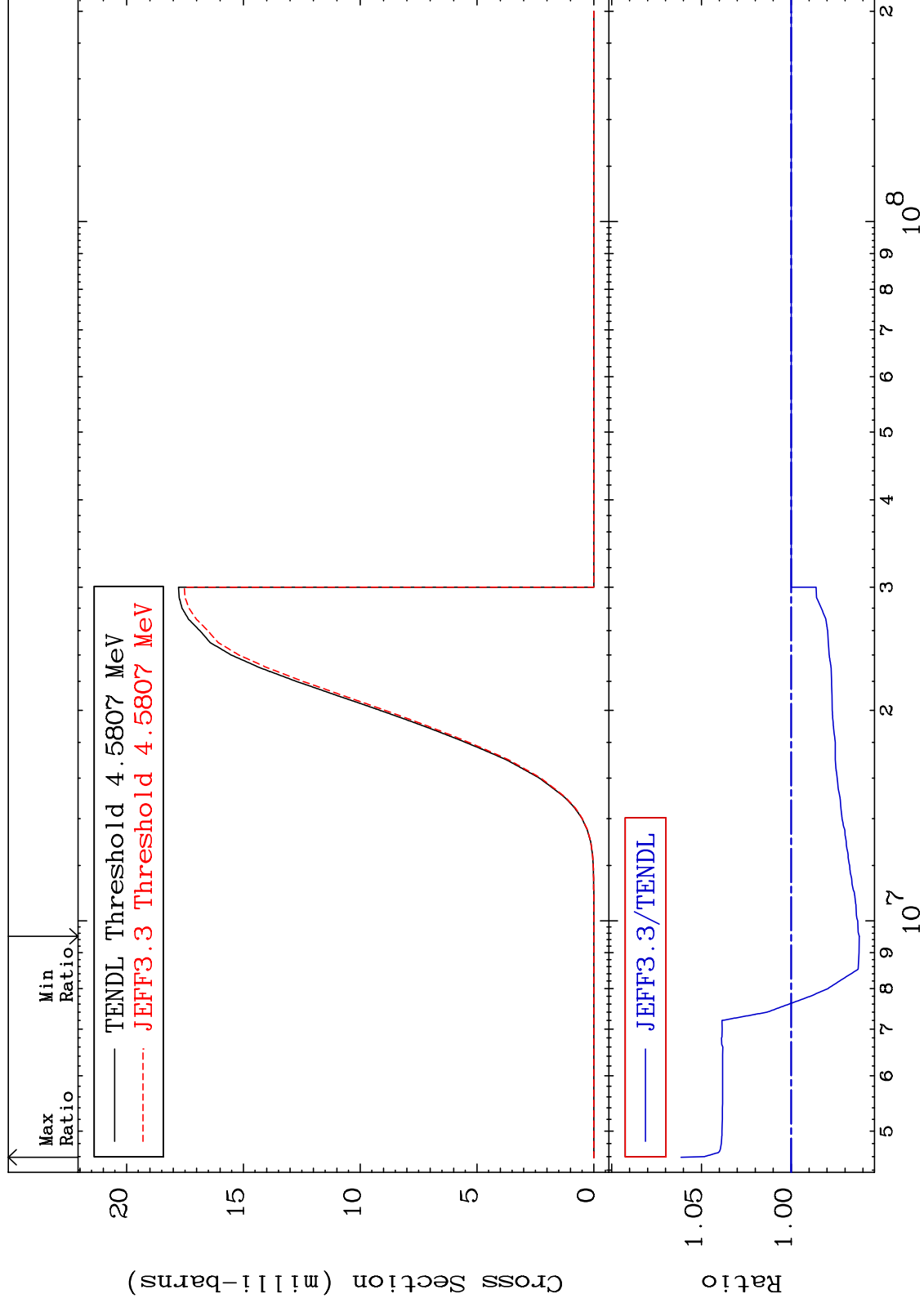
MAT 7031

(n, d)

70-Yb-170

Cross Section

-3.796 To 6.133 %



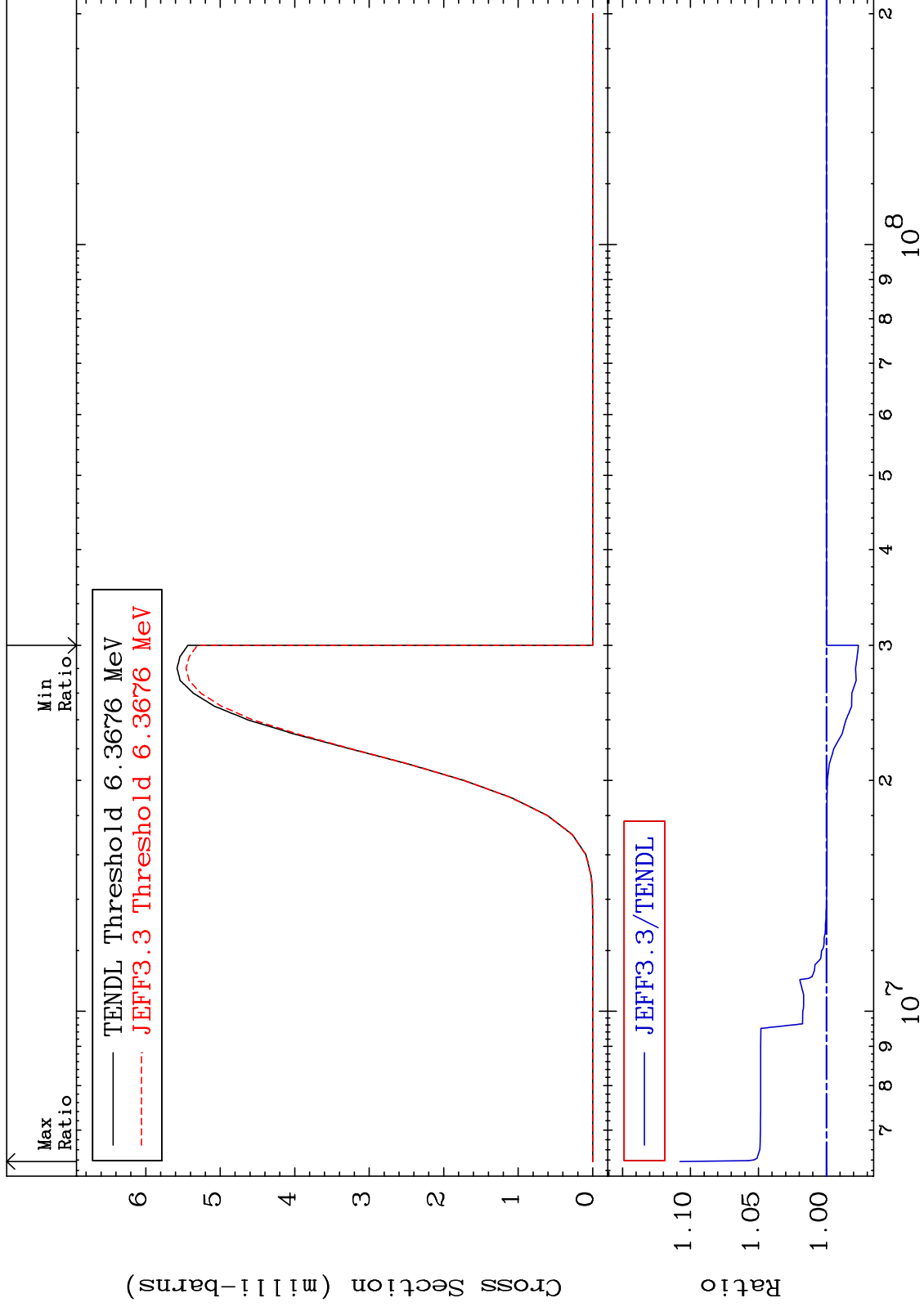
MAT 7031

(n, t)

70-Yb-170

Cross Section

-2.351 To 10.77 %



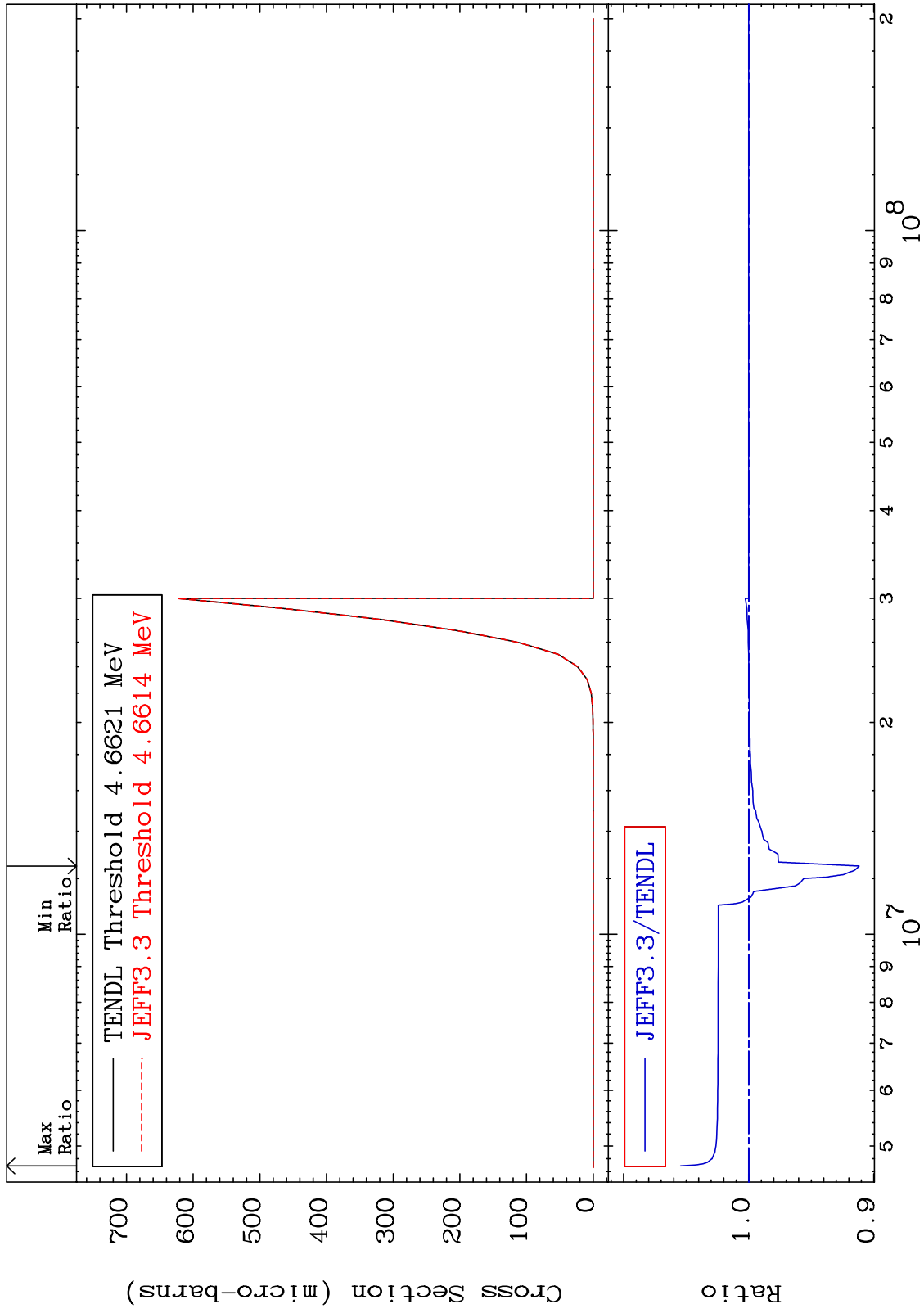
MAT 7031

(n, He-3)

70-Yb-170

Cross Section

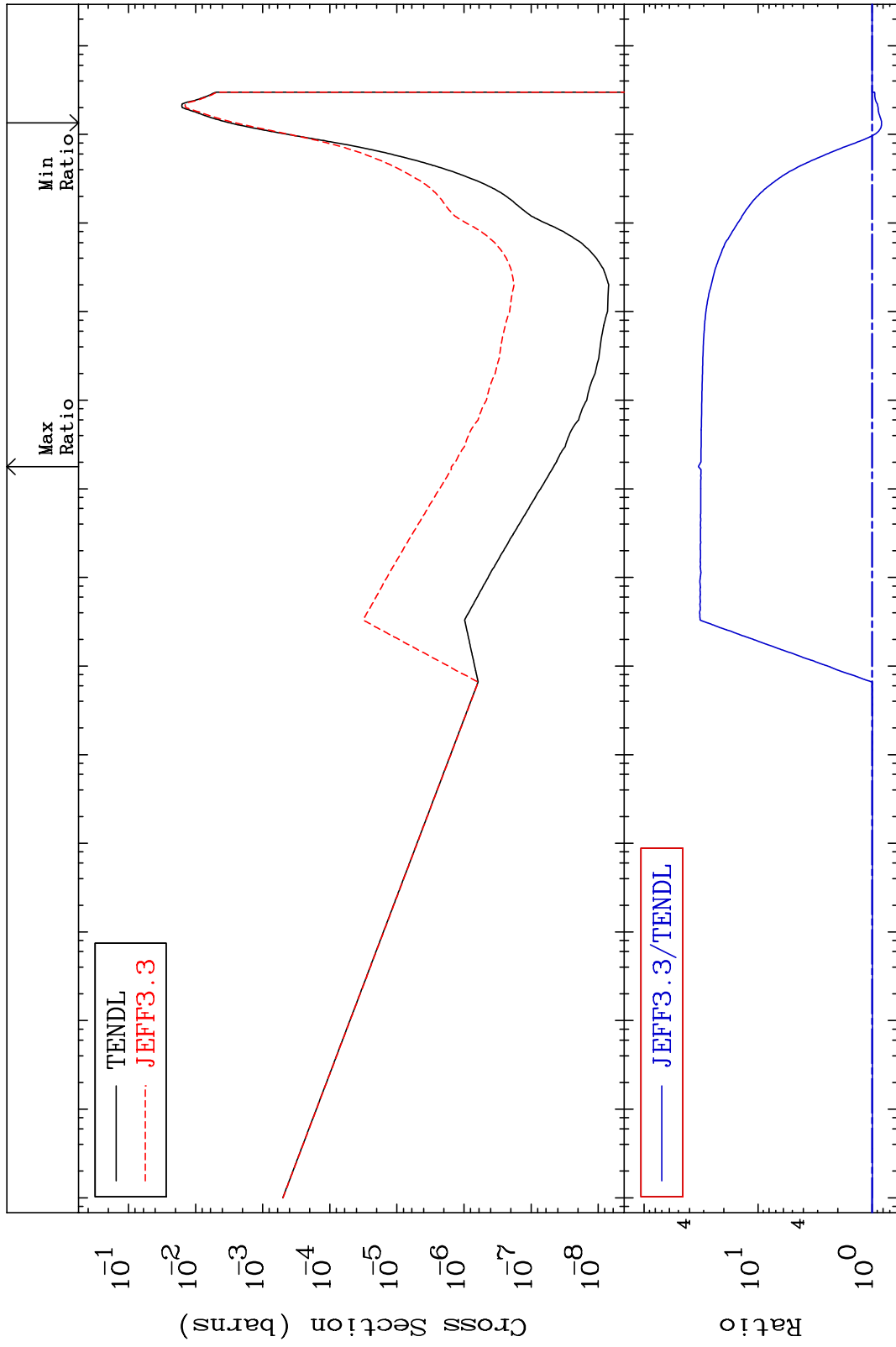
-8.831 To 5.446 %



MAT 7031

(n, α)
Cross Section

70-Yb-170
-17.50 To 3244. %

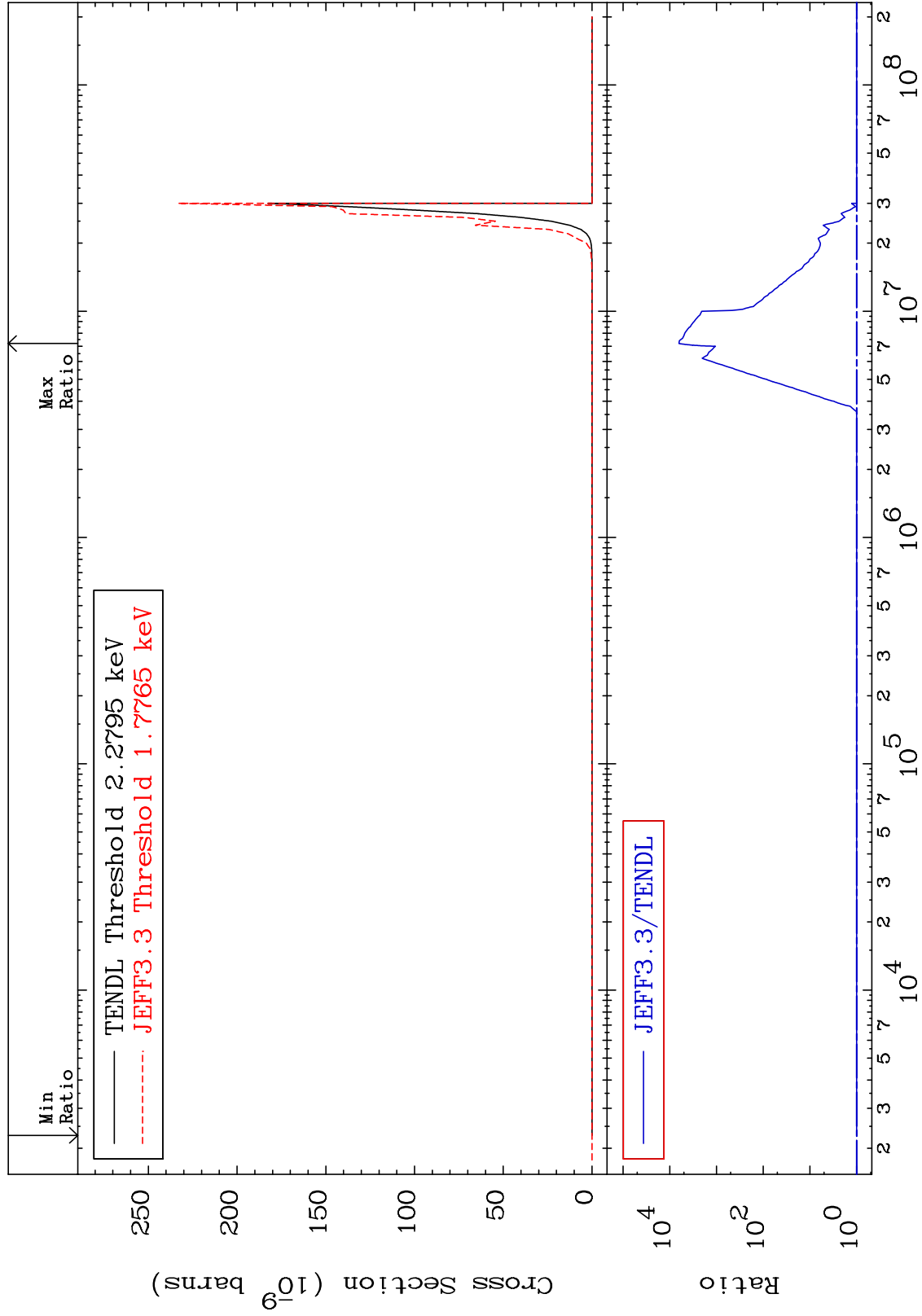


MAT 7031

(n, 2α)

Cross Section

70-Yb-170
To 9999. %



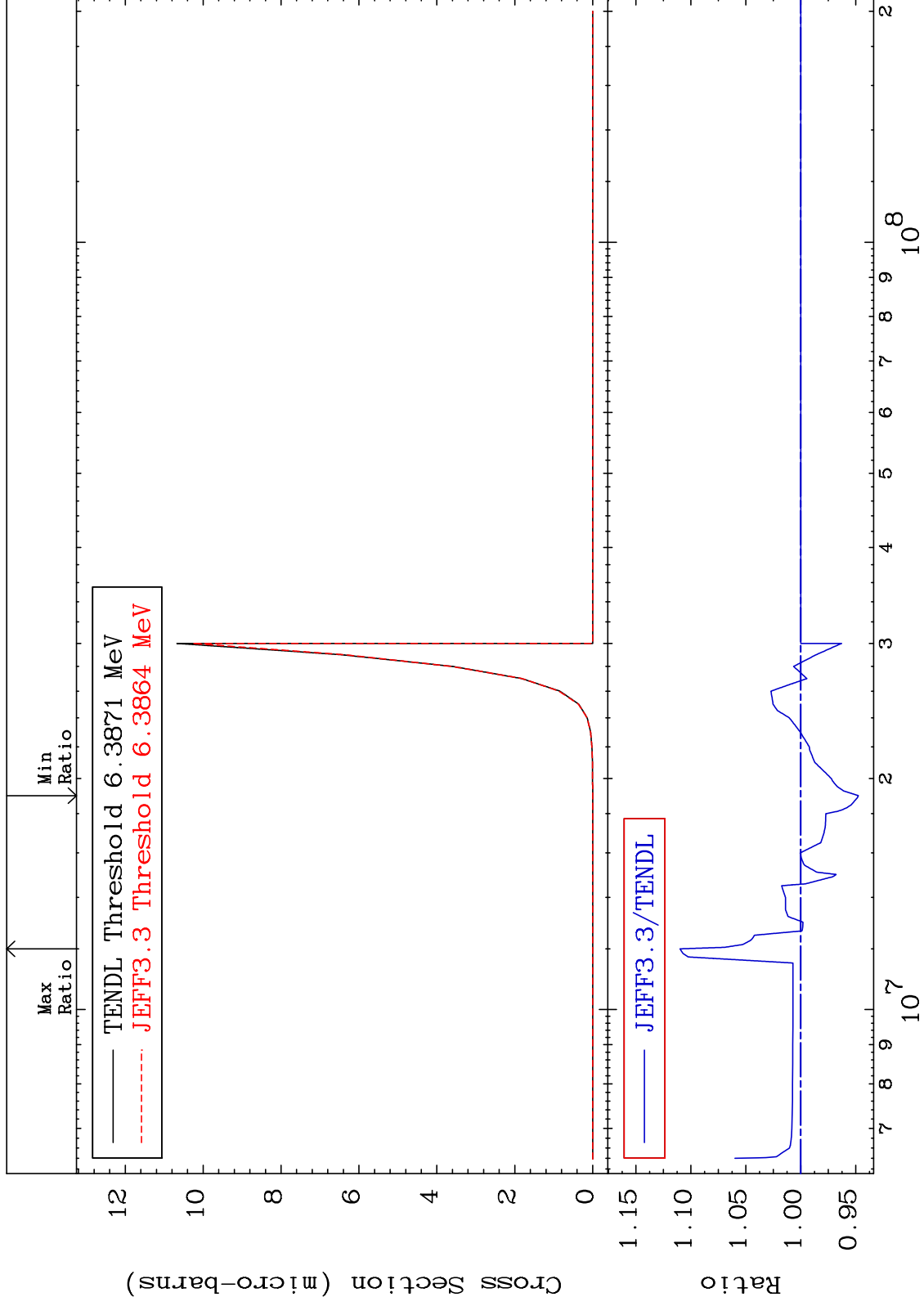
MAT 7031

(n,2p)

70-Yb-170

Cross Section

-5.252 To 10.98 %



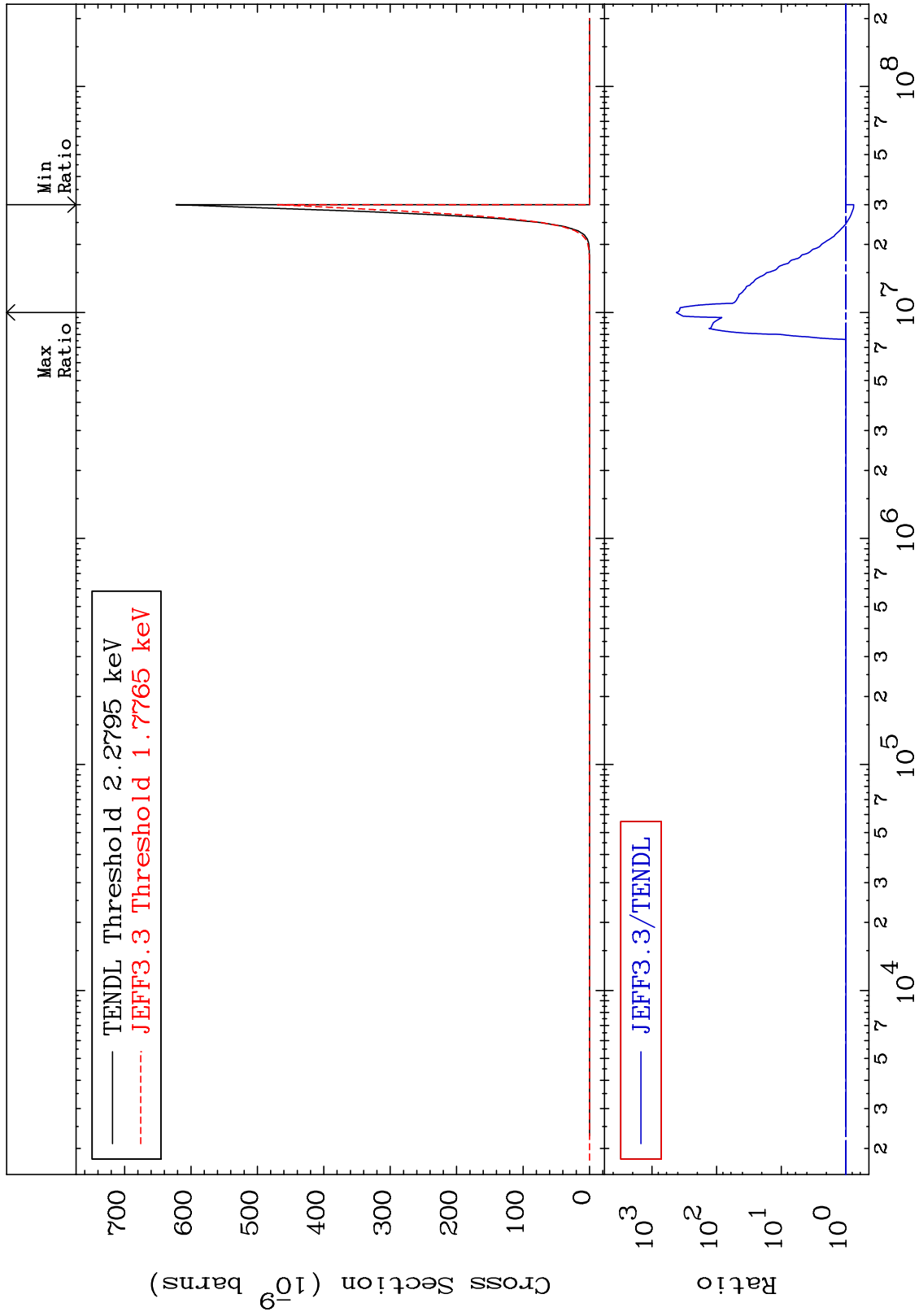
MAT 7031

(n,p) α

Cross Section

70-Yb-170

-24.56 To 9999. %



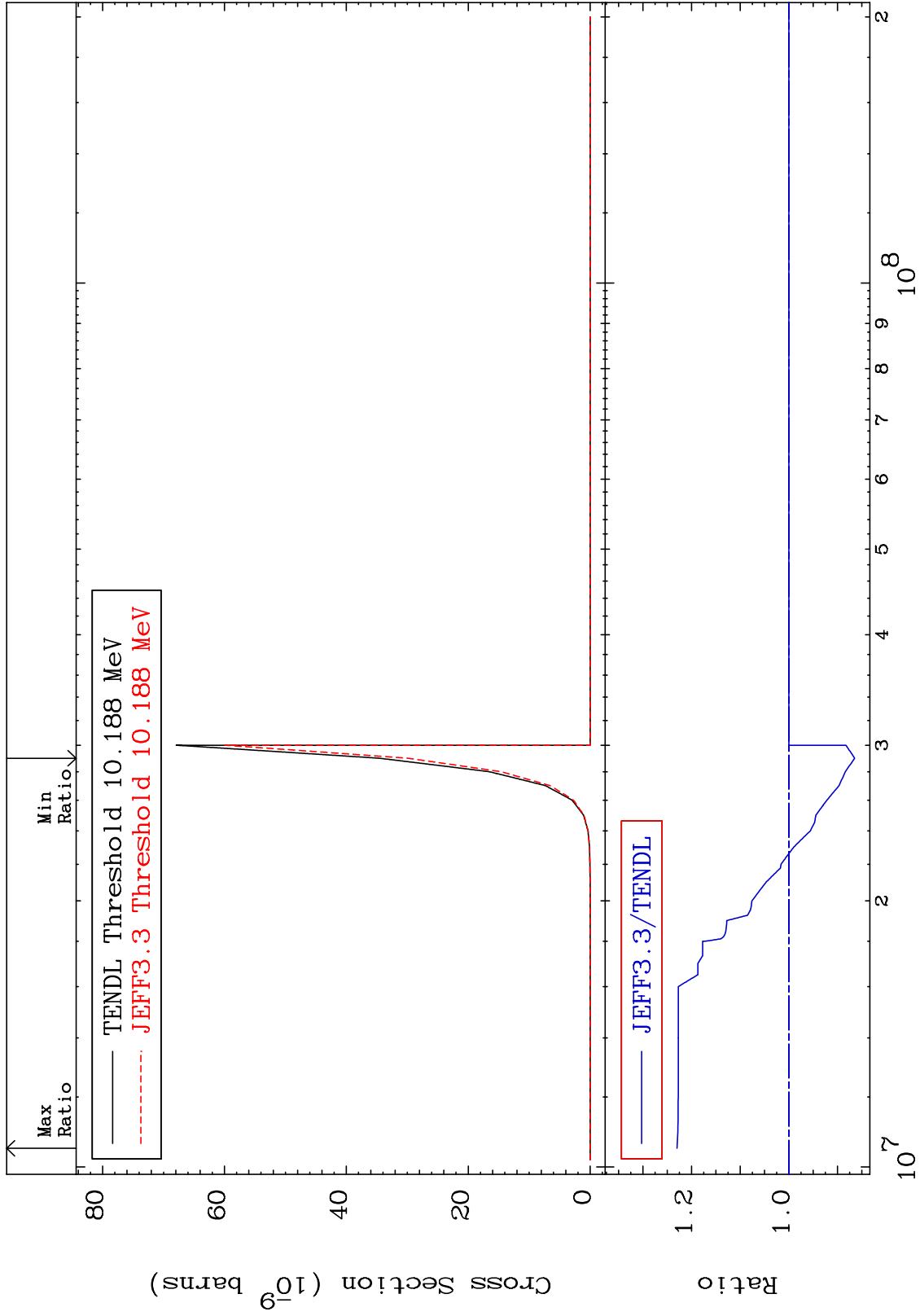
MAT 7031

(n,p) d

70-Yb-170

Cross Section

-13.54 To 22.98 %



59

Incident Energy (eV)

70-Yb-170

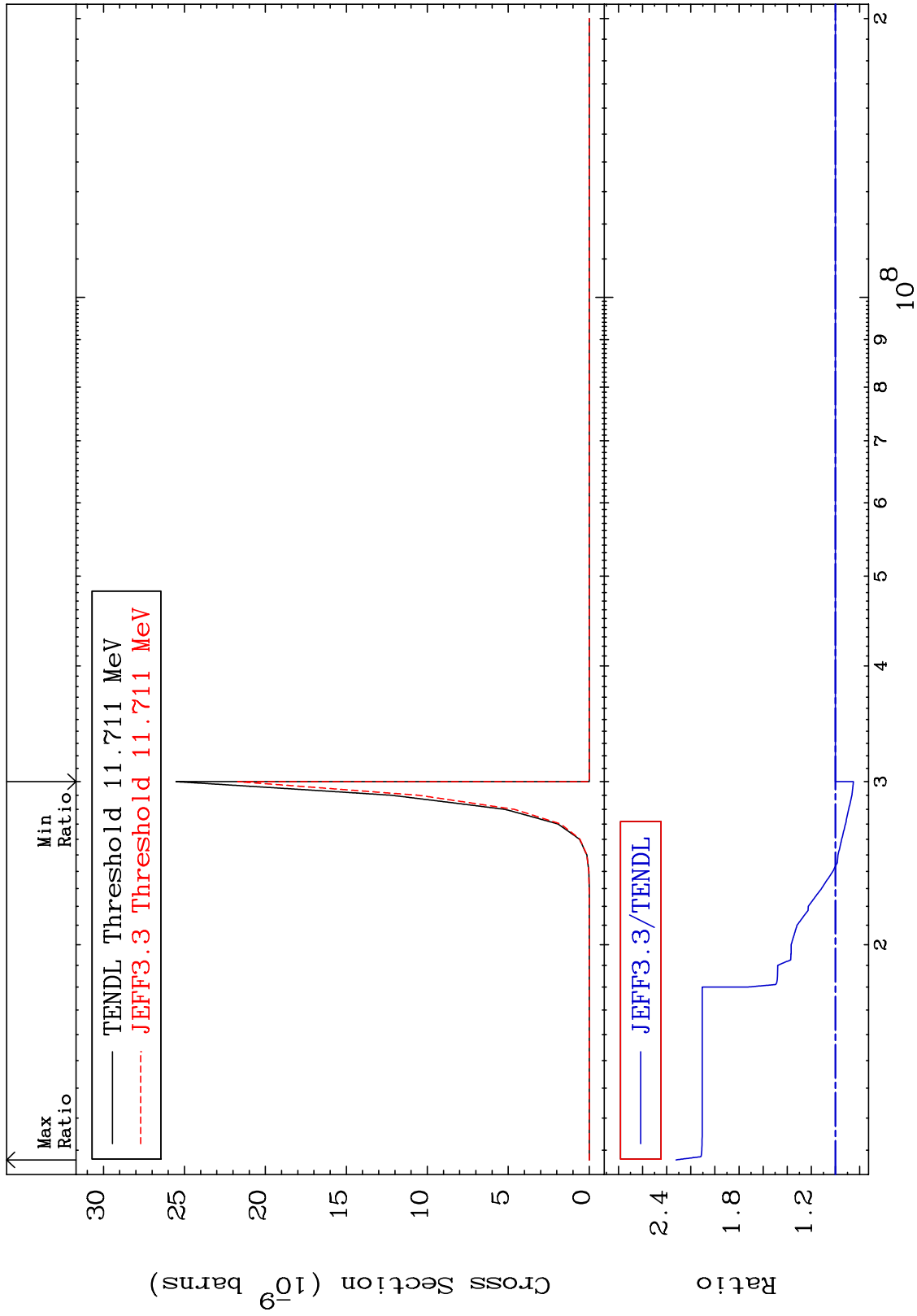
MAT 7031

(n,p) t

70-Yb-170

Cross Section

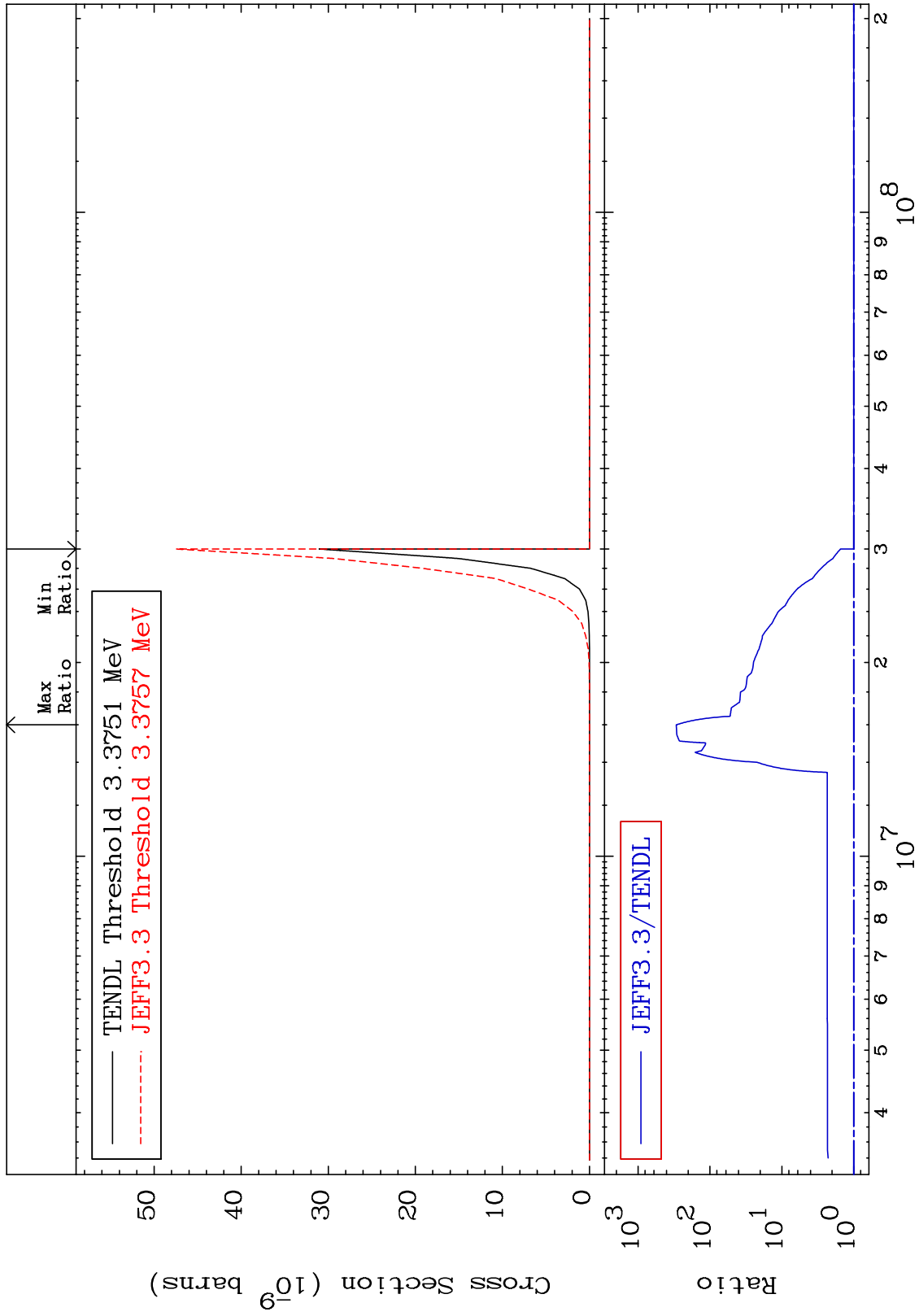
-14.91 To 132.2 %



MAT 7031

(n,d) α
Cross Section

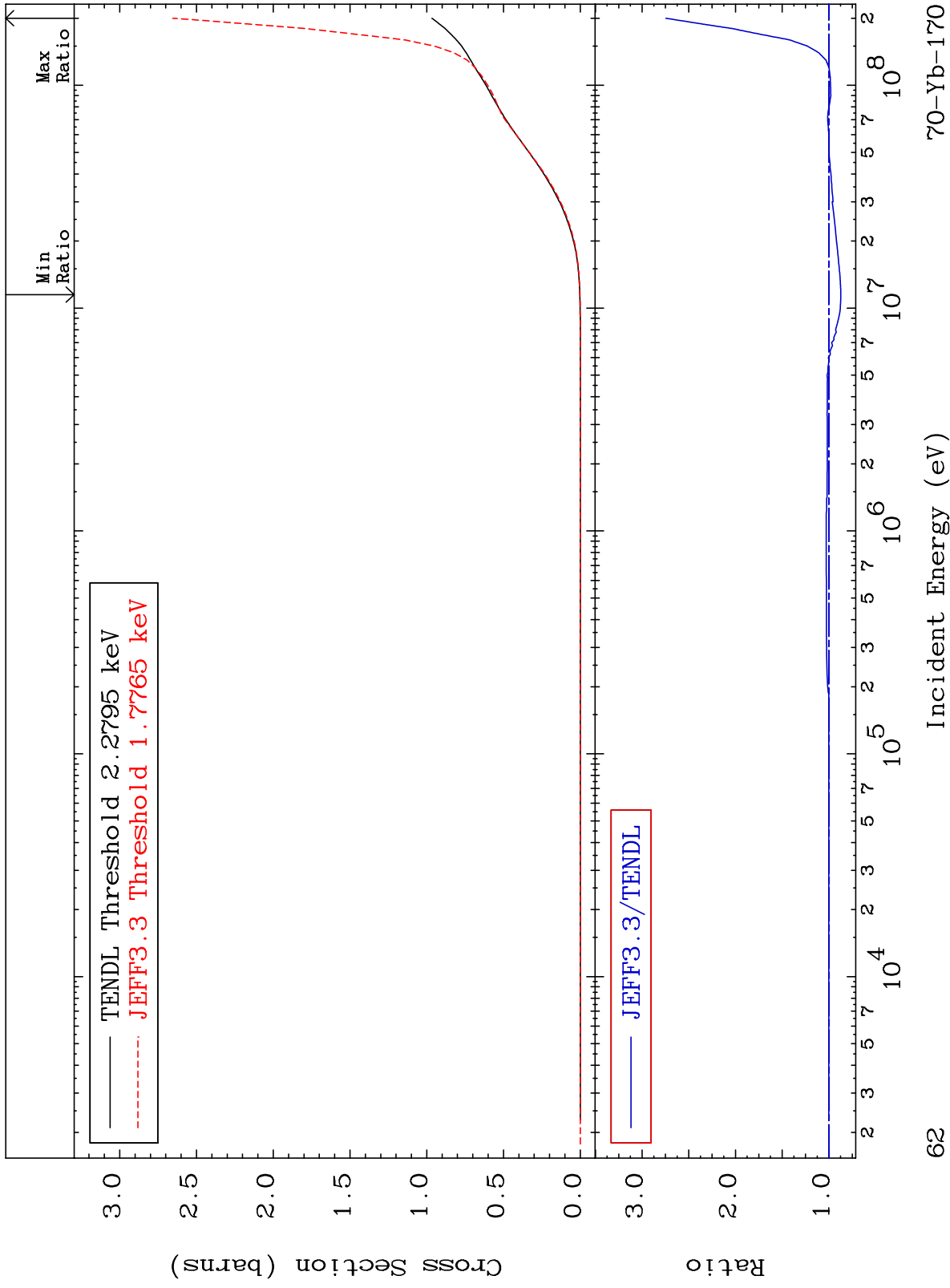
70-Yb-170
To 9999. %
0.000



MAT 7031

Hydrogen Production
Cross Section

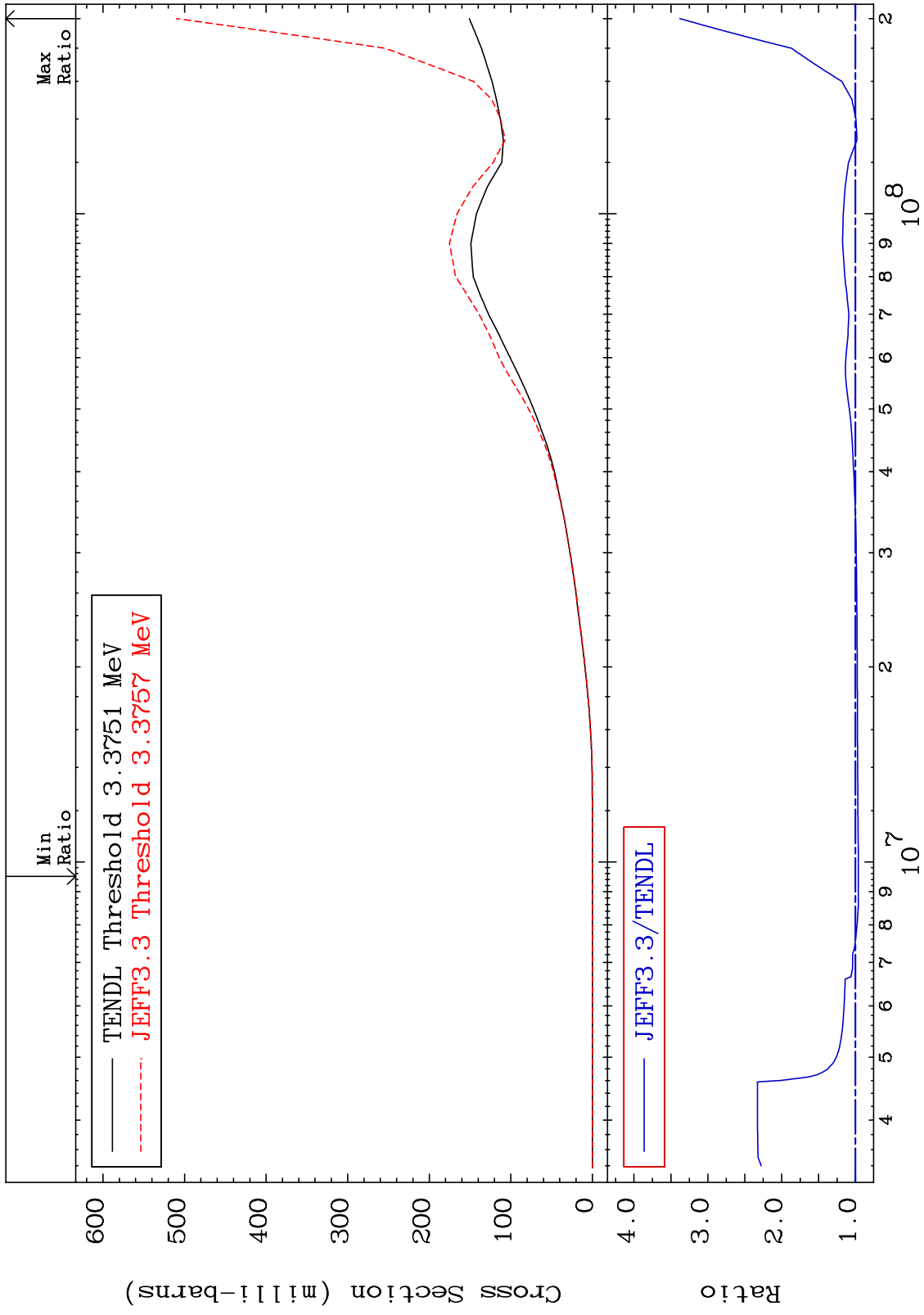
70-Yb-170
-12.79 To 174.5 %



MAT 7031

Deuterium Production
Cross Section

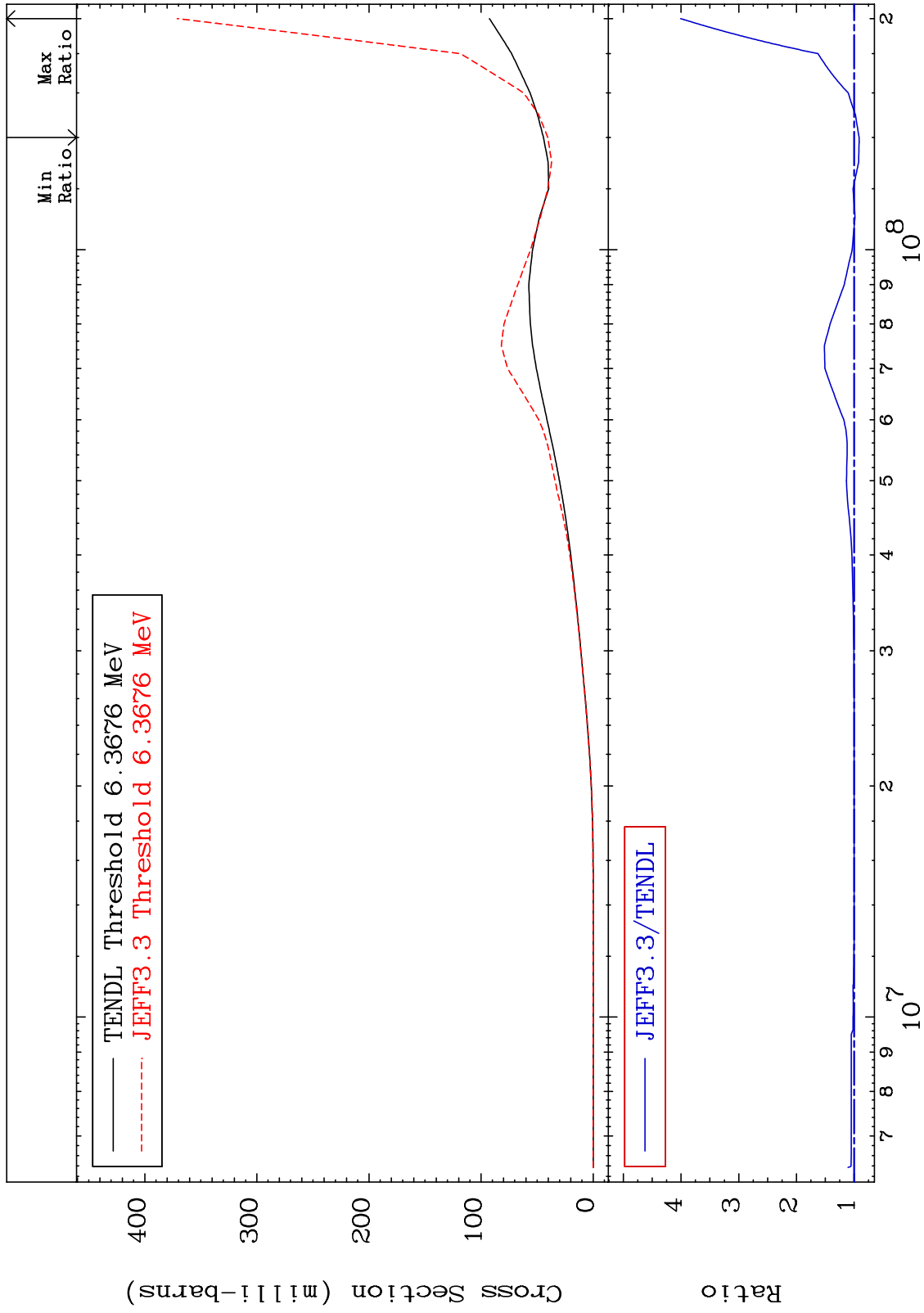
70-Yb-170
-3.796 To 238.0 %



MAT 7031

Tritium Production
Cross Section

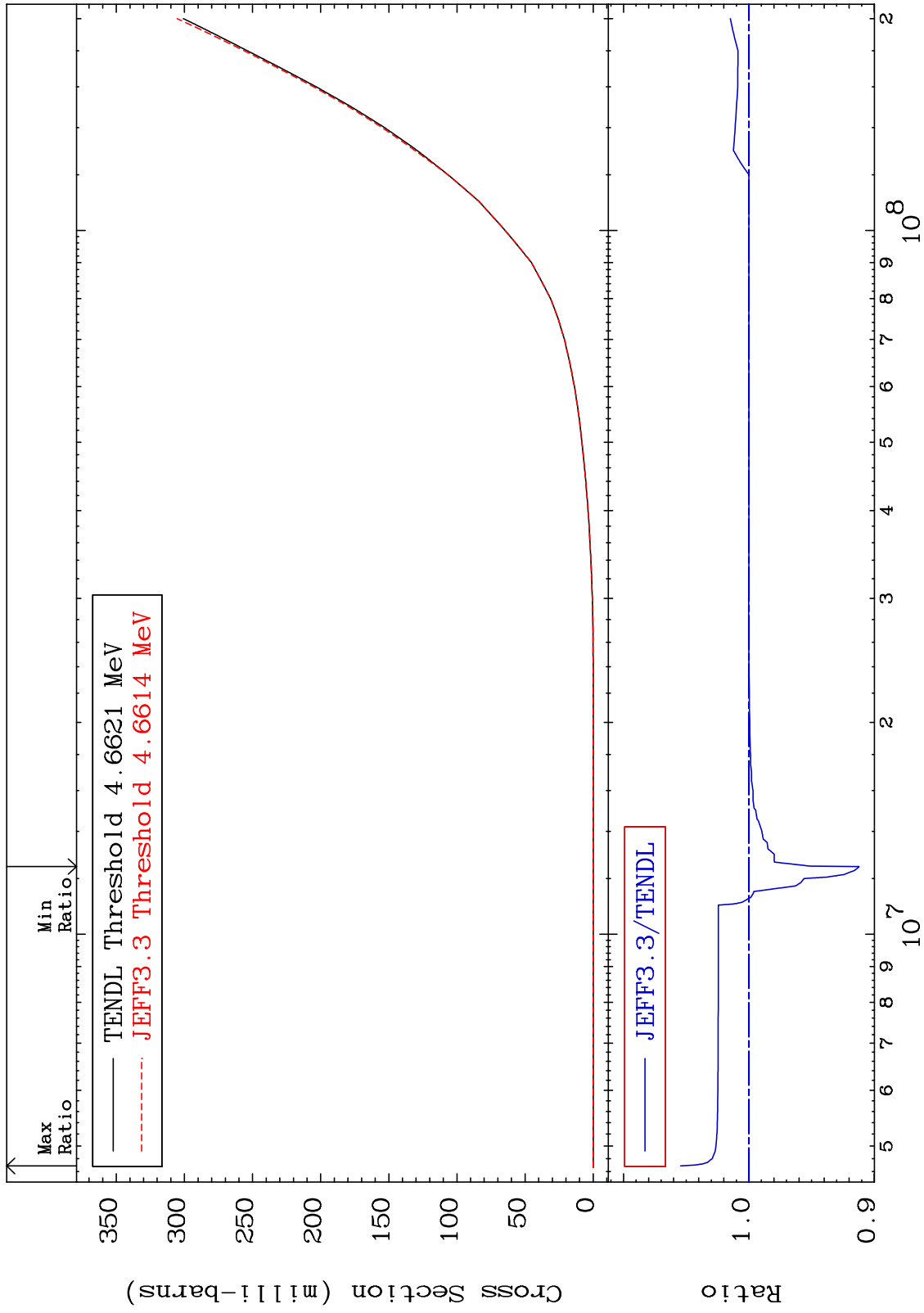
70-Yb-170
-8.800 To 300.8 %



MAT 7031

He-3 Production
Cross Section

70-Yb-170
-8.797 To 5.446 %



65

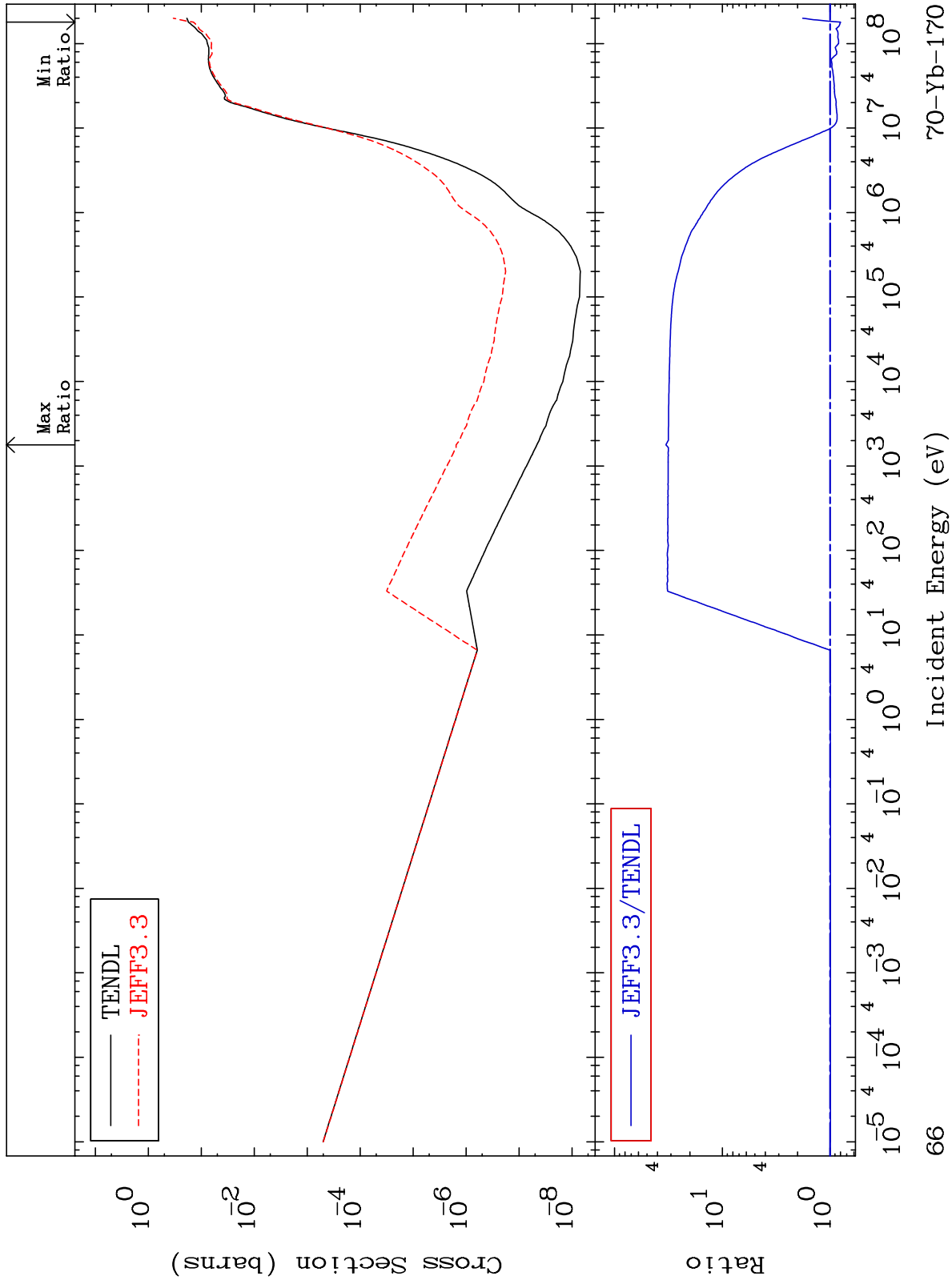
Incident Energy (eV)

70-Yb-170

MAT 7031

He-4 Production
Cross Section

70-Yb-170
-20.02 To 3244. %



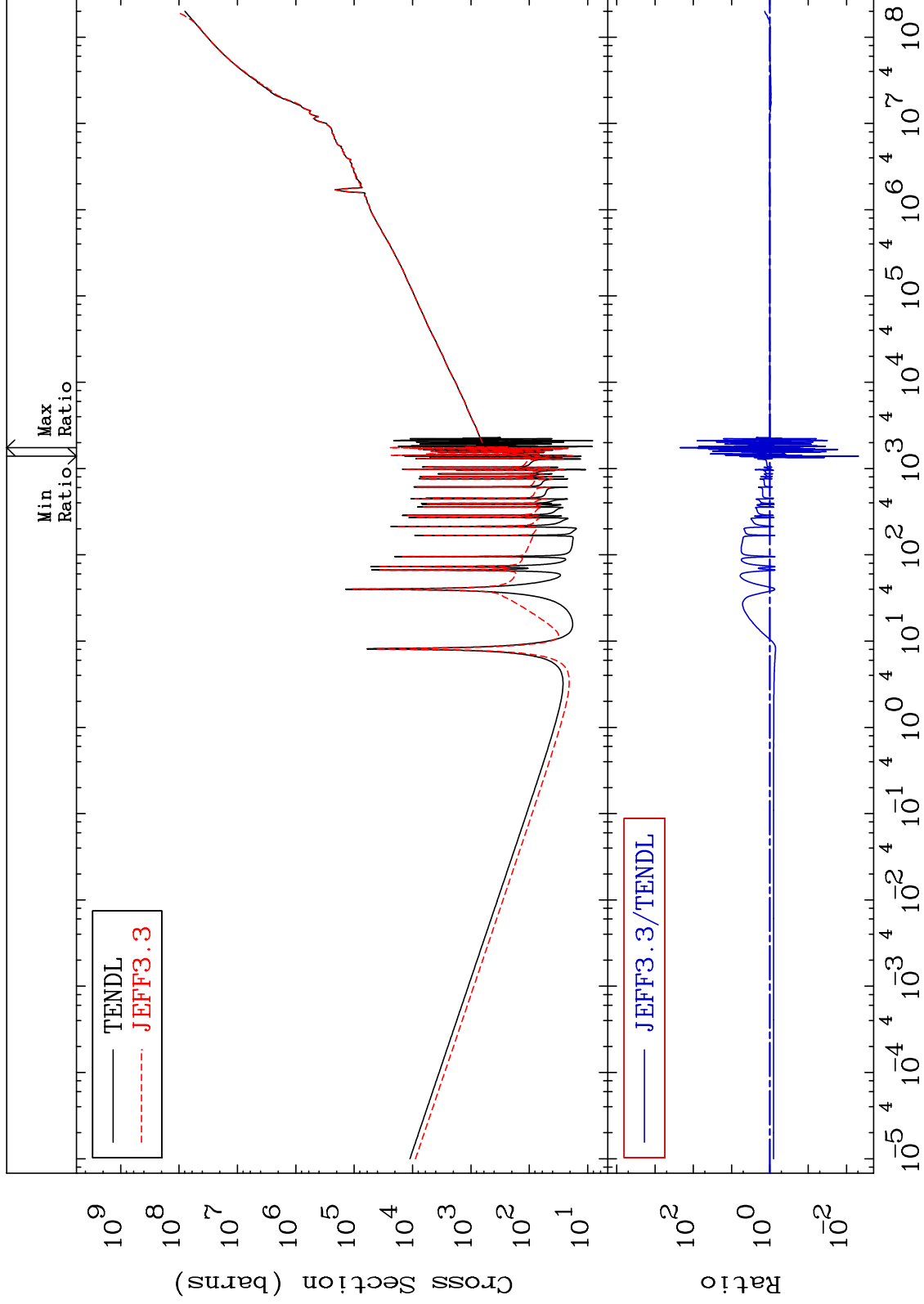
MAT 7031

Kerma total (eV-barns)

70-Yb-170

Cross Section

-99.51 To 9999. %



67

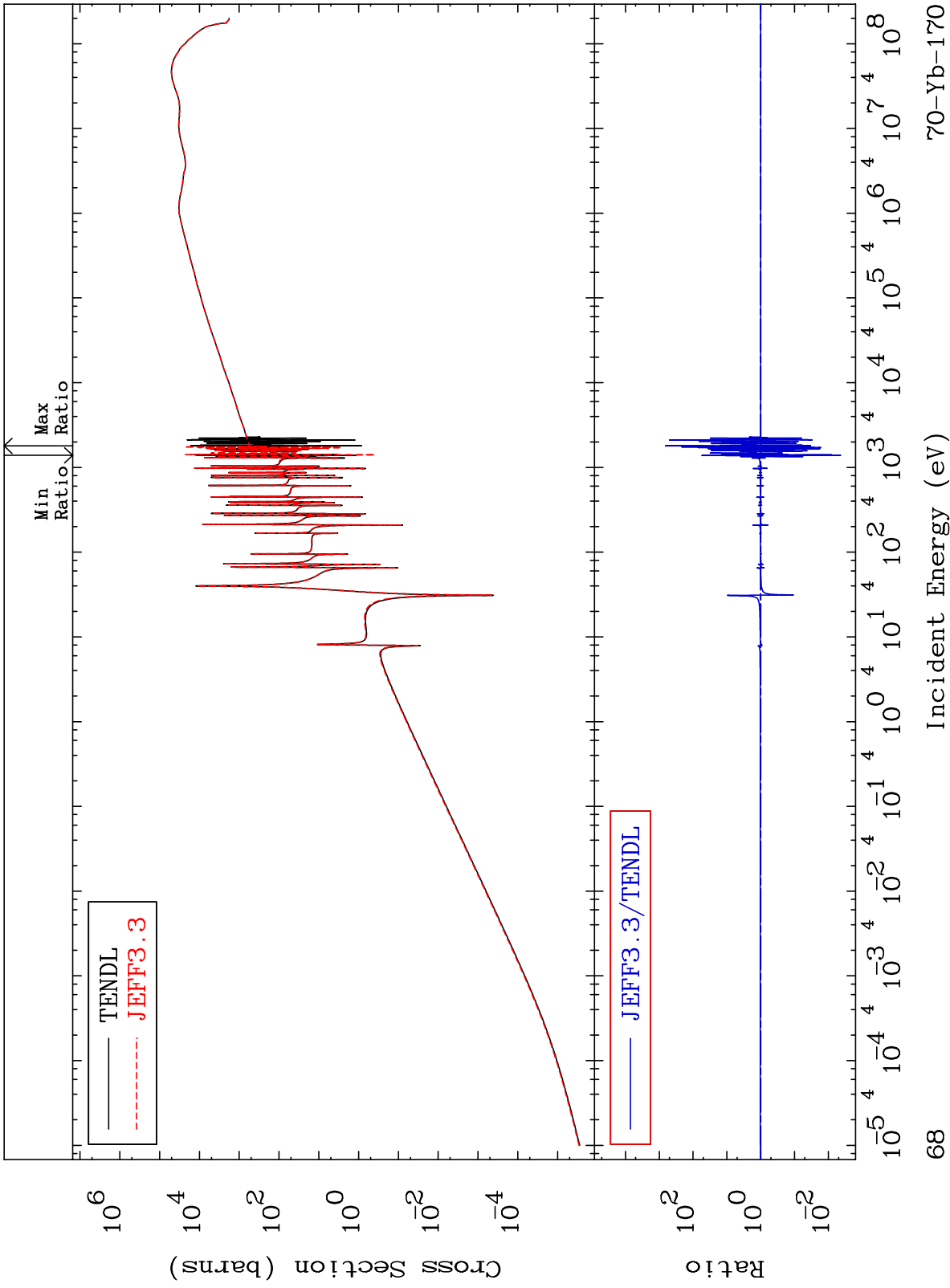
Incident Energy (eV)

70-Yb-170

MAT 7031

Kerma elastic
Cross Section

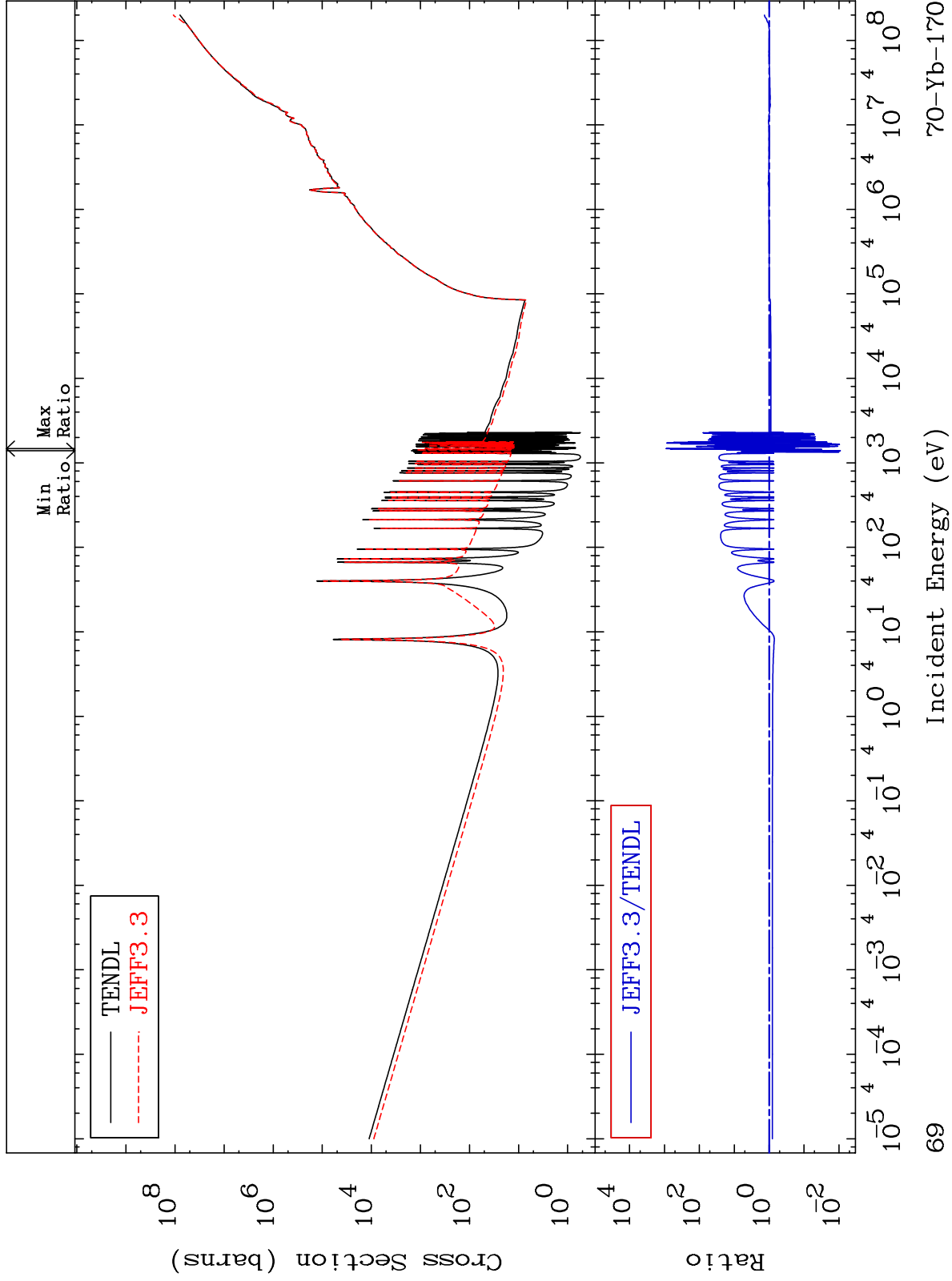
70-Yb-170
-99.56 To 9999. %



MAT 7031

Kerma non-elastic (all but mt2)
Cross Section

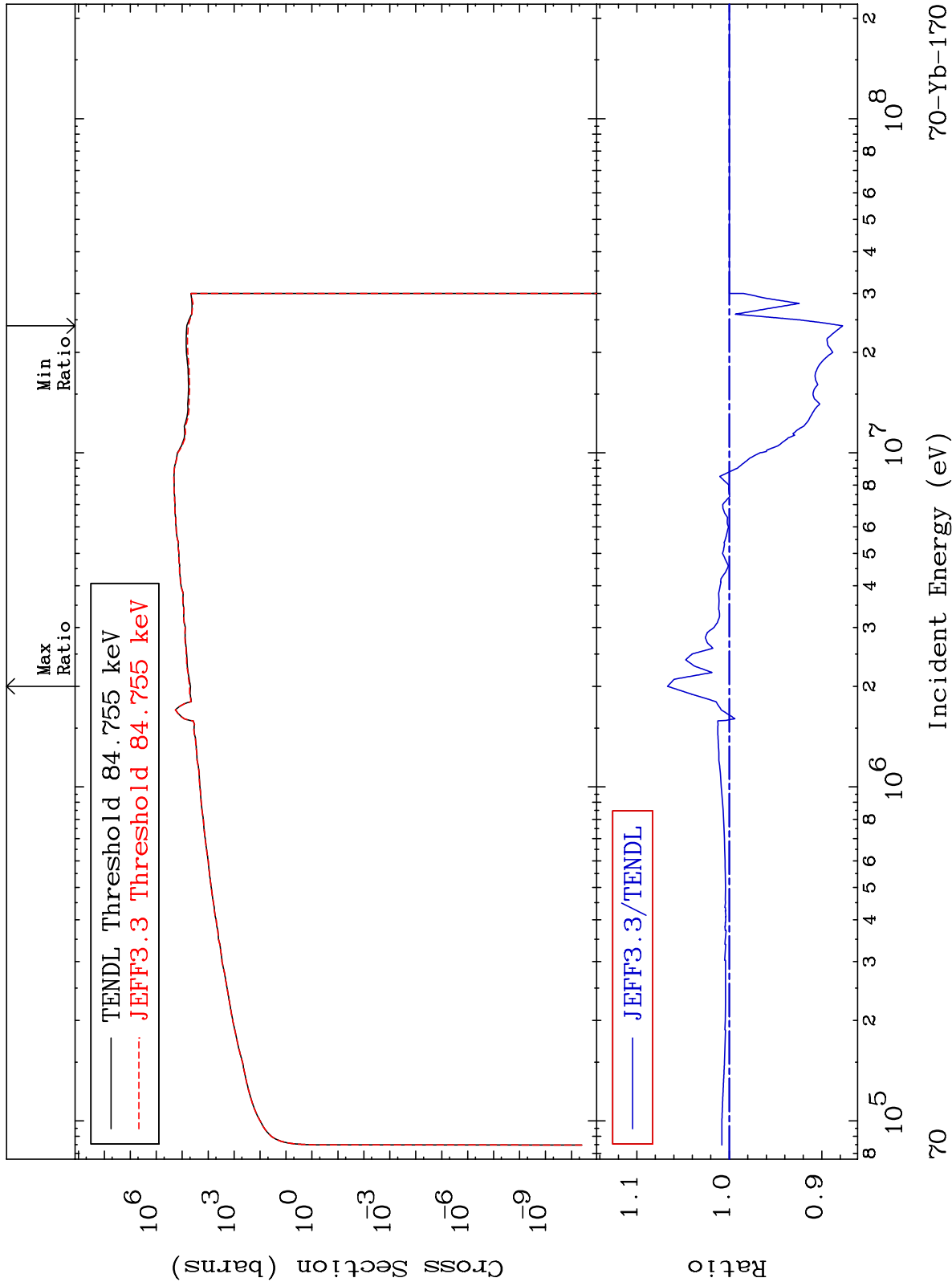
70-Yb-170
-99.10 To 9999. %



MAT 7031

Kerma inelastic (mt51-91)
Cross Section

70-Yb-170
-12.26 To 6.682 %

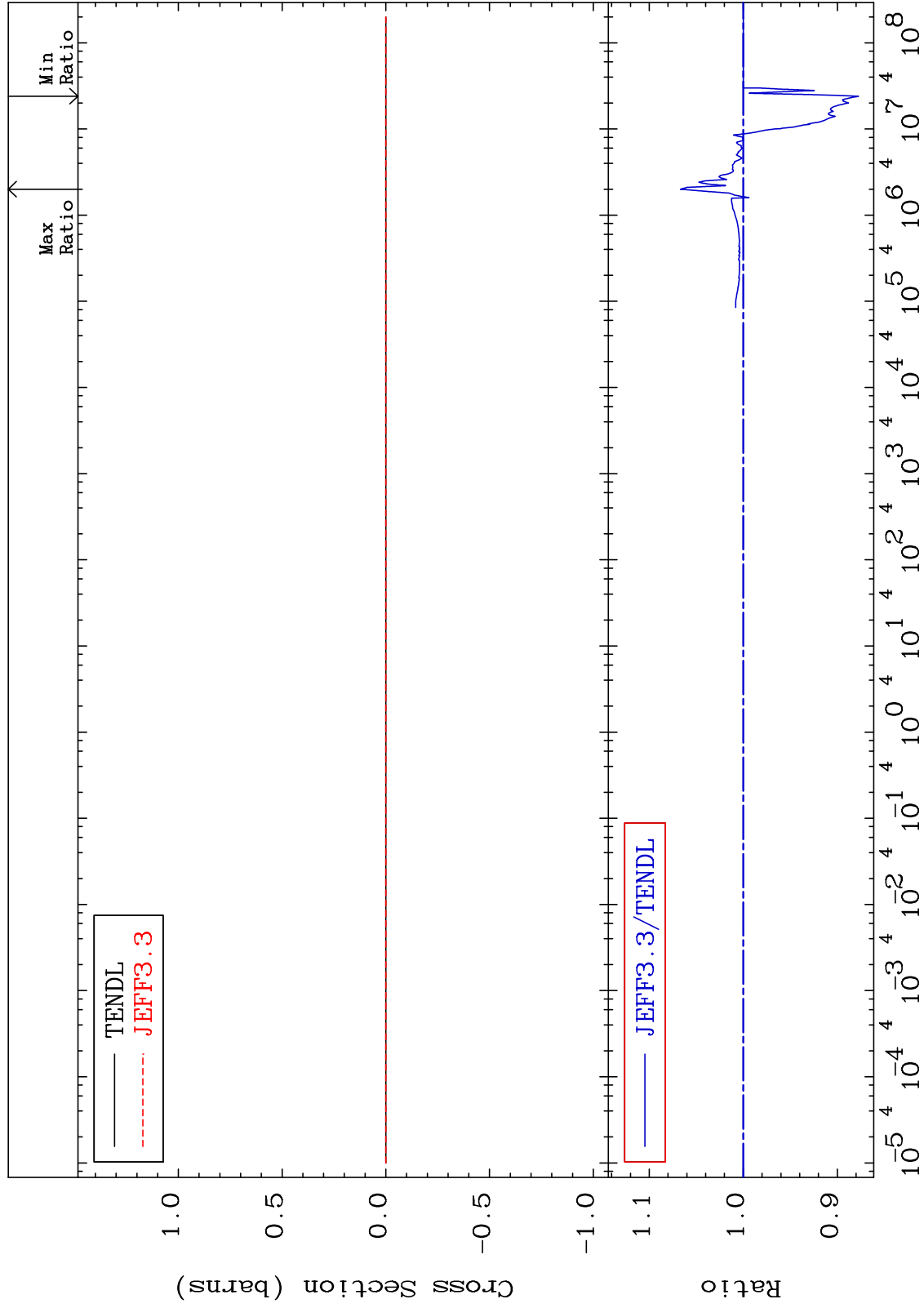


70-Yb-170

MAT 7031

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

70-Yb-170
-12.26 To 6.682 %



71

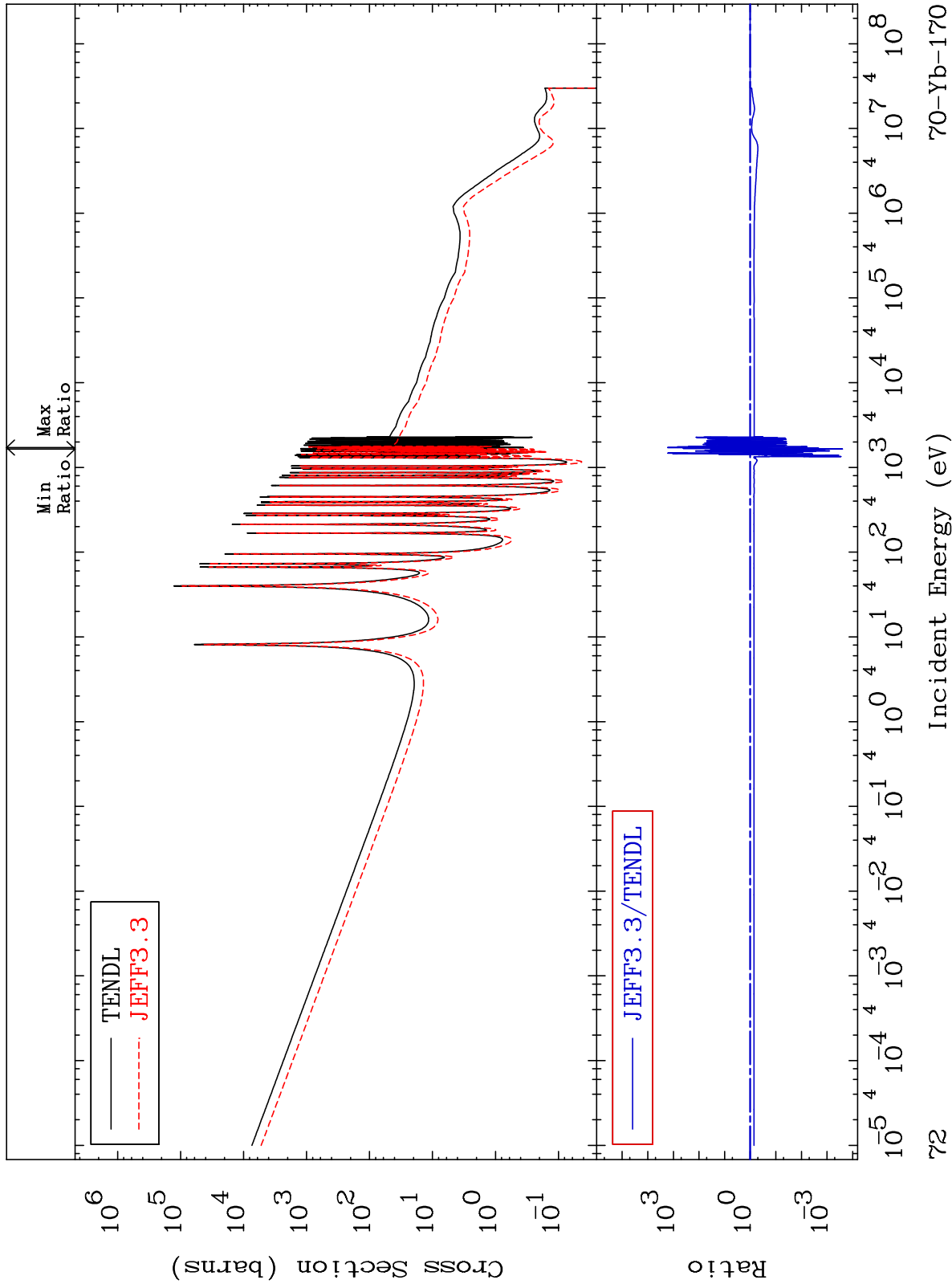
Incident Energy (eV)

70-Yb-170

MAT 7031

Kerma capture (mt102)
Cross Section

70-Yb-170
-99.98 To 9999. %



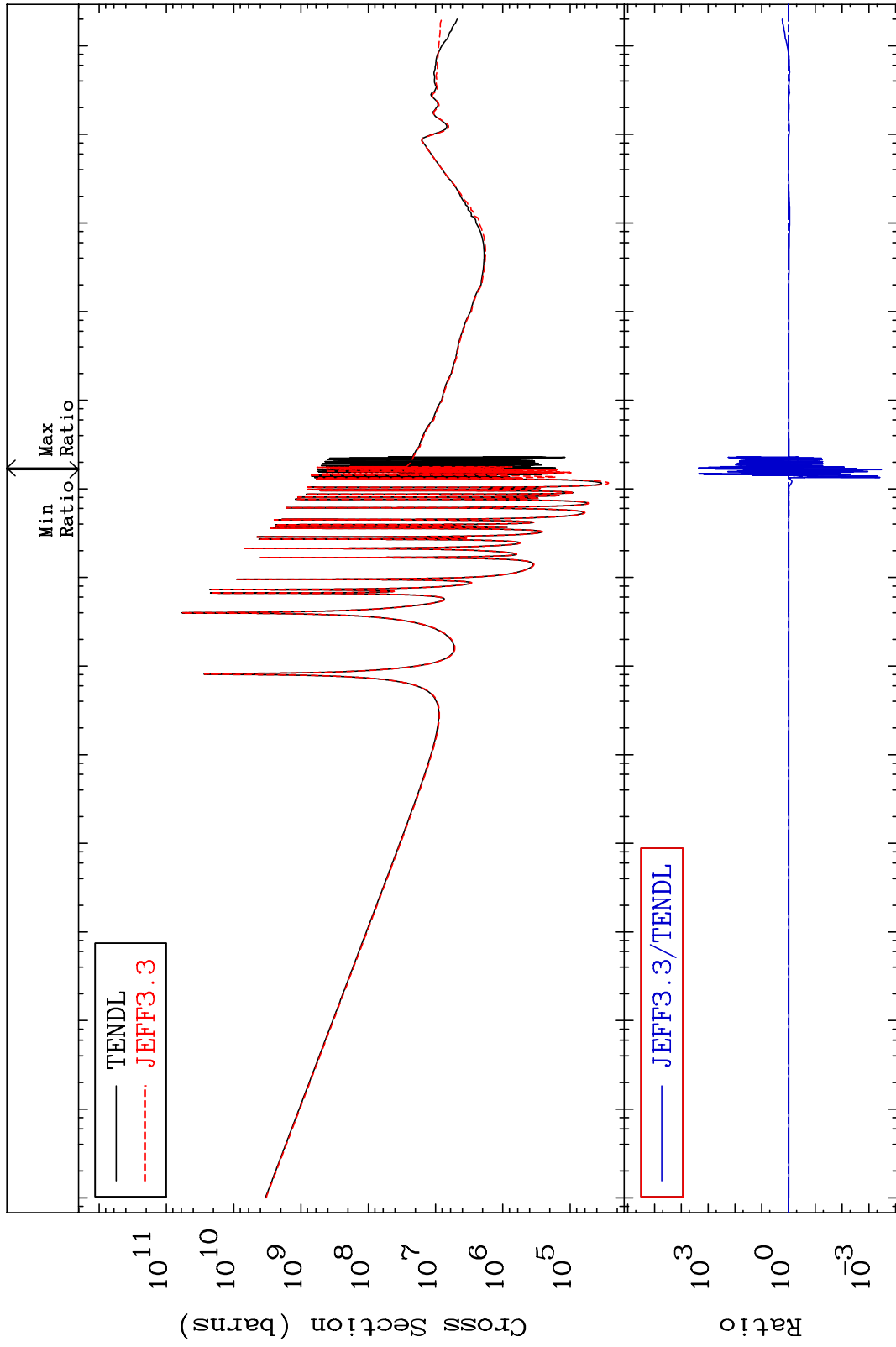
72

70-Yb-170

MAT 7031

Total photon (eV-barns)
Cross Section

70-Yb-170
-99.97 To 9999. %



73

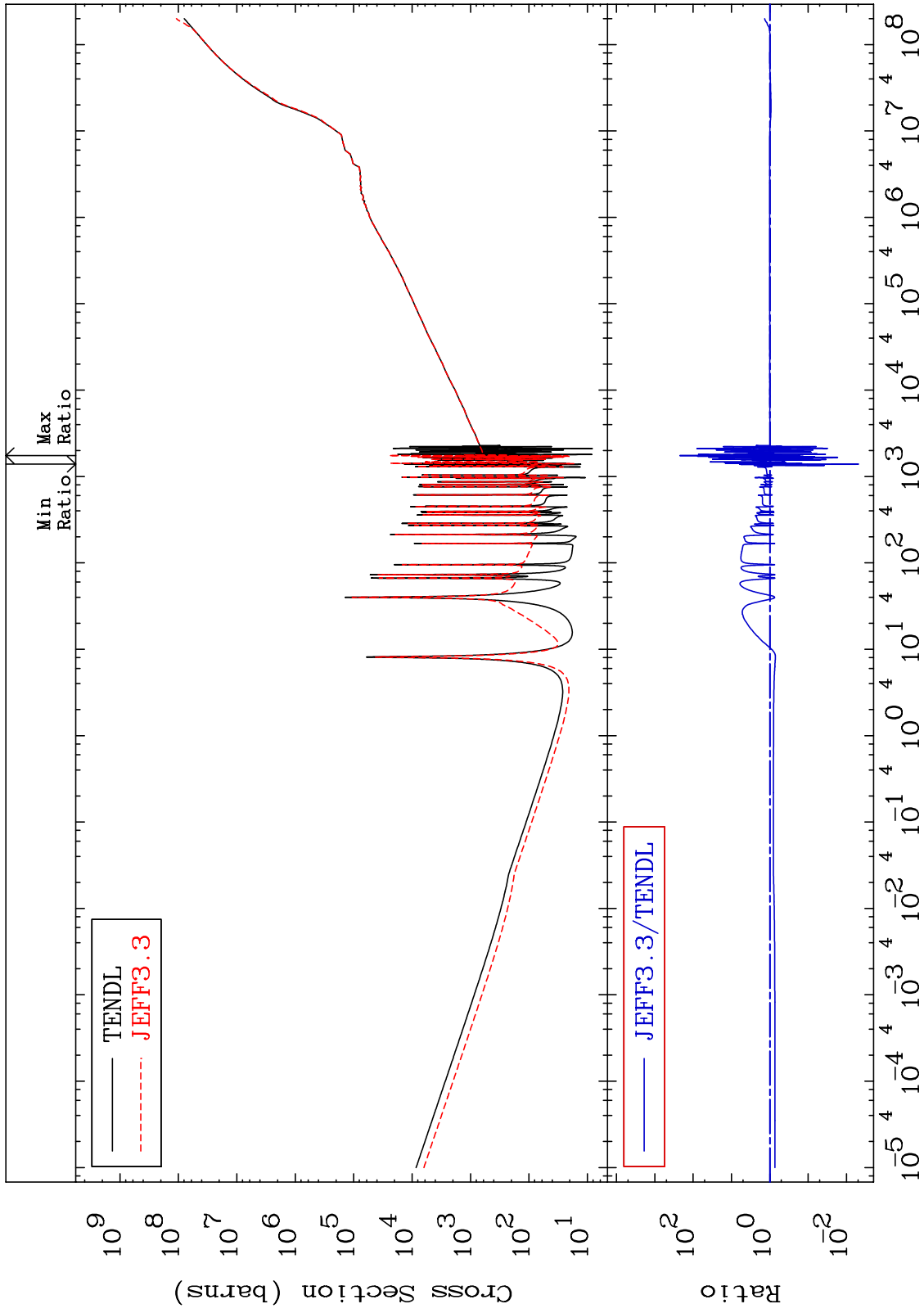
Incident Energy (eV)

70-Yb-170

MAT 7031

Total kinematic kerma (high limit)
Cross Section

70-Yb-170
-99.51 To 9999. %



74

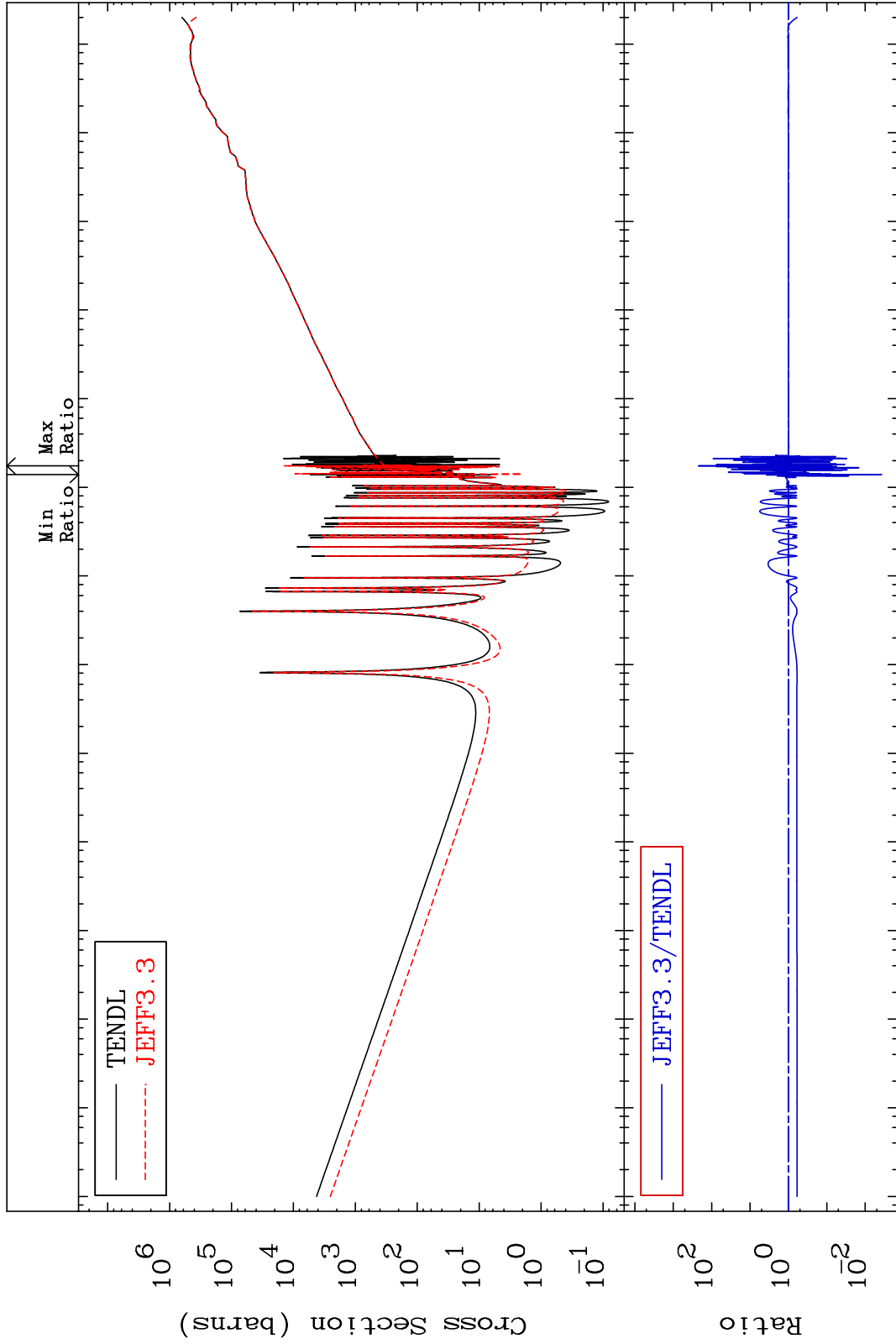
Incident Energy (eV)

70-Yb-170

MAT 7031

Dpa total (eV-barns)
Cross Section

70-Yb-170
-99.62 To 9999. %



Ratio

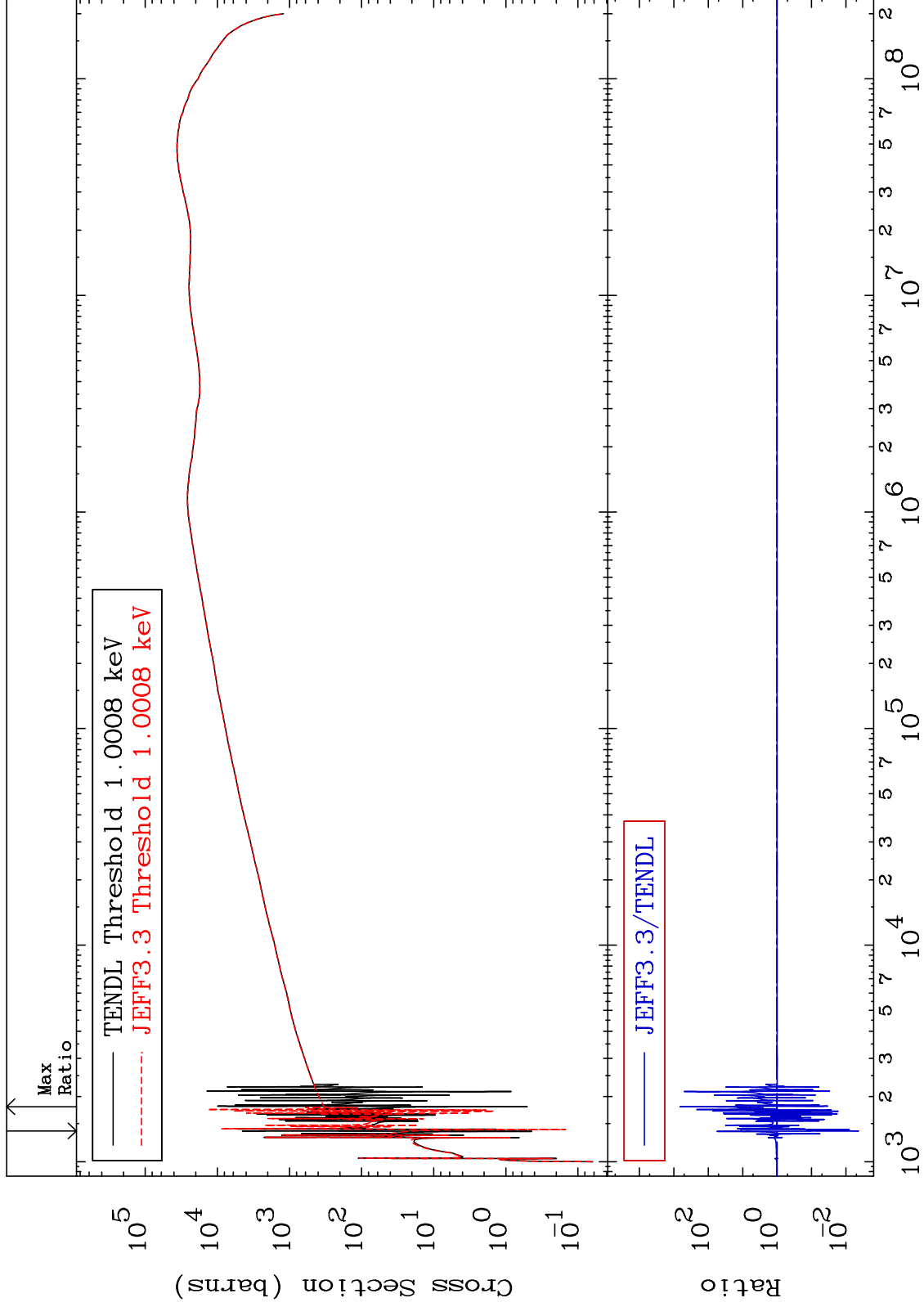
Incident Energy (eV)

70-Yb-170

MAT 7031

Dpa elastic (mt2)
Cross Section

70-Yb-170
-99.56 To 9999. %



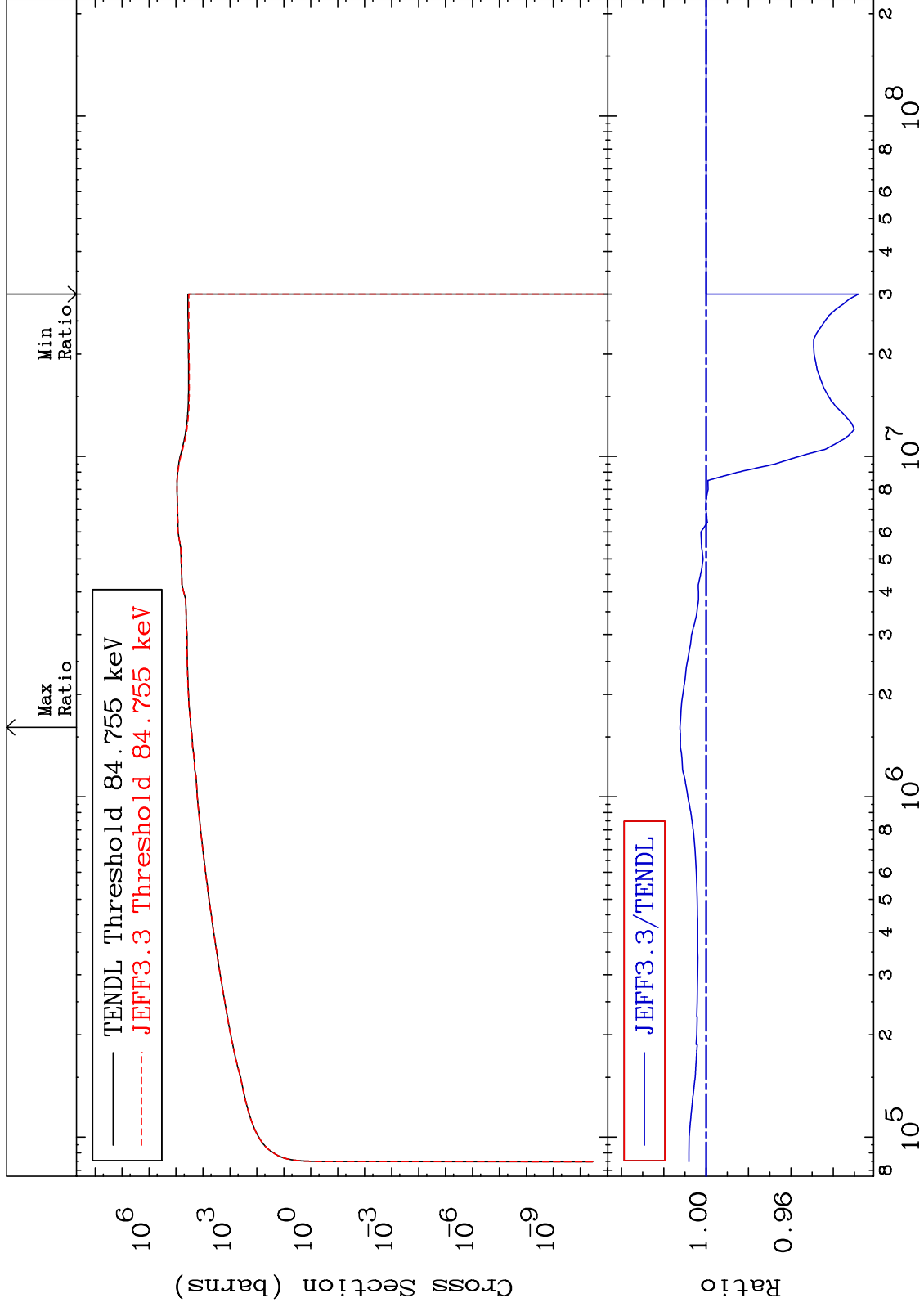
76

70-Yb-170

MAT 7031

Dpa inelastic (mt51-91)
Cross Section

70-Yb-170
-7.188 To 1.234 %



77

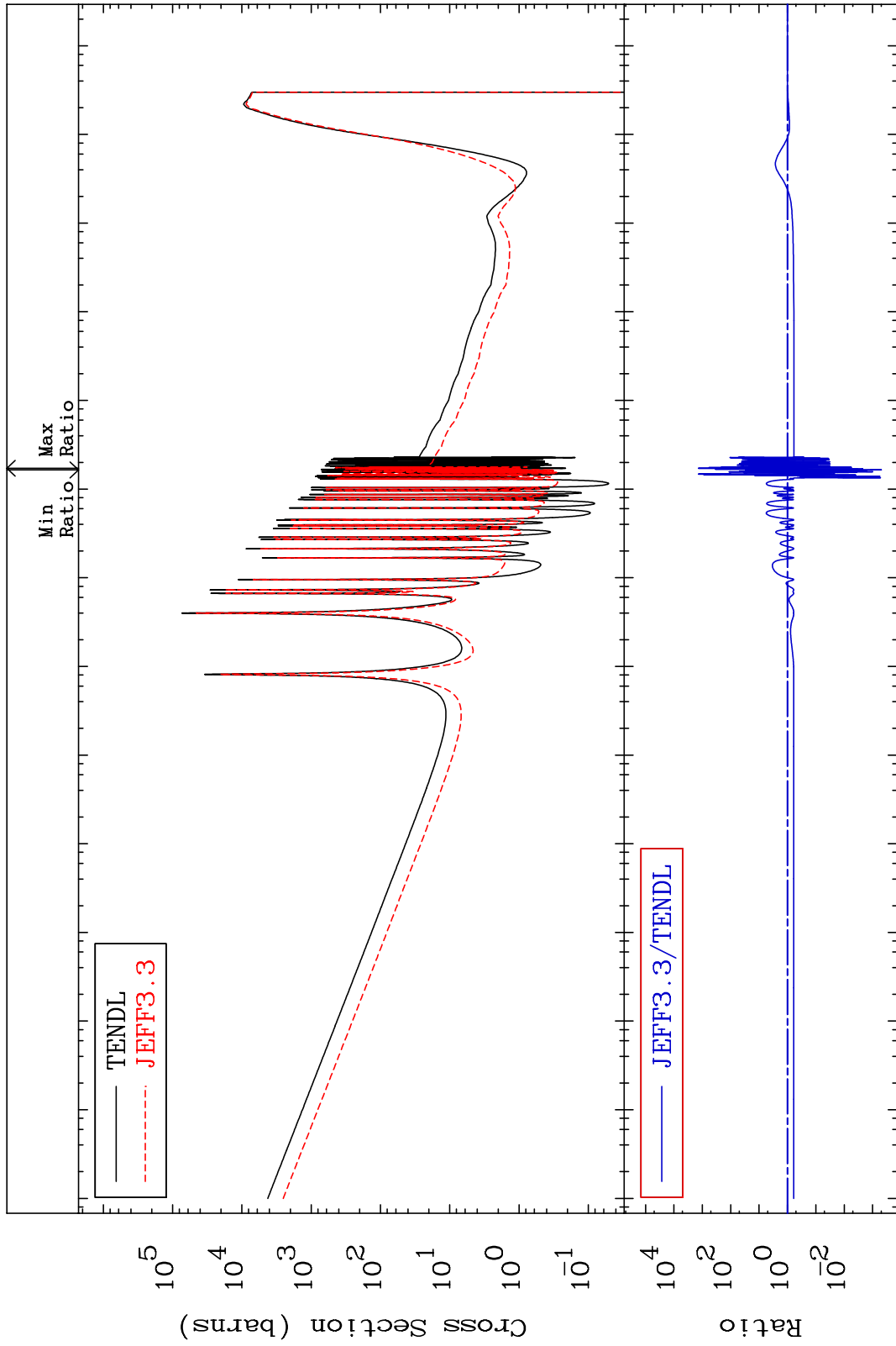
Incident Energy (eV)

70-Yb-170

MAT 7031

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-170
-99.95 To 9999. %



78

Incident Energy (eV)

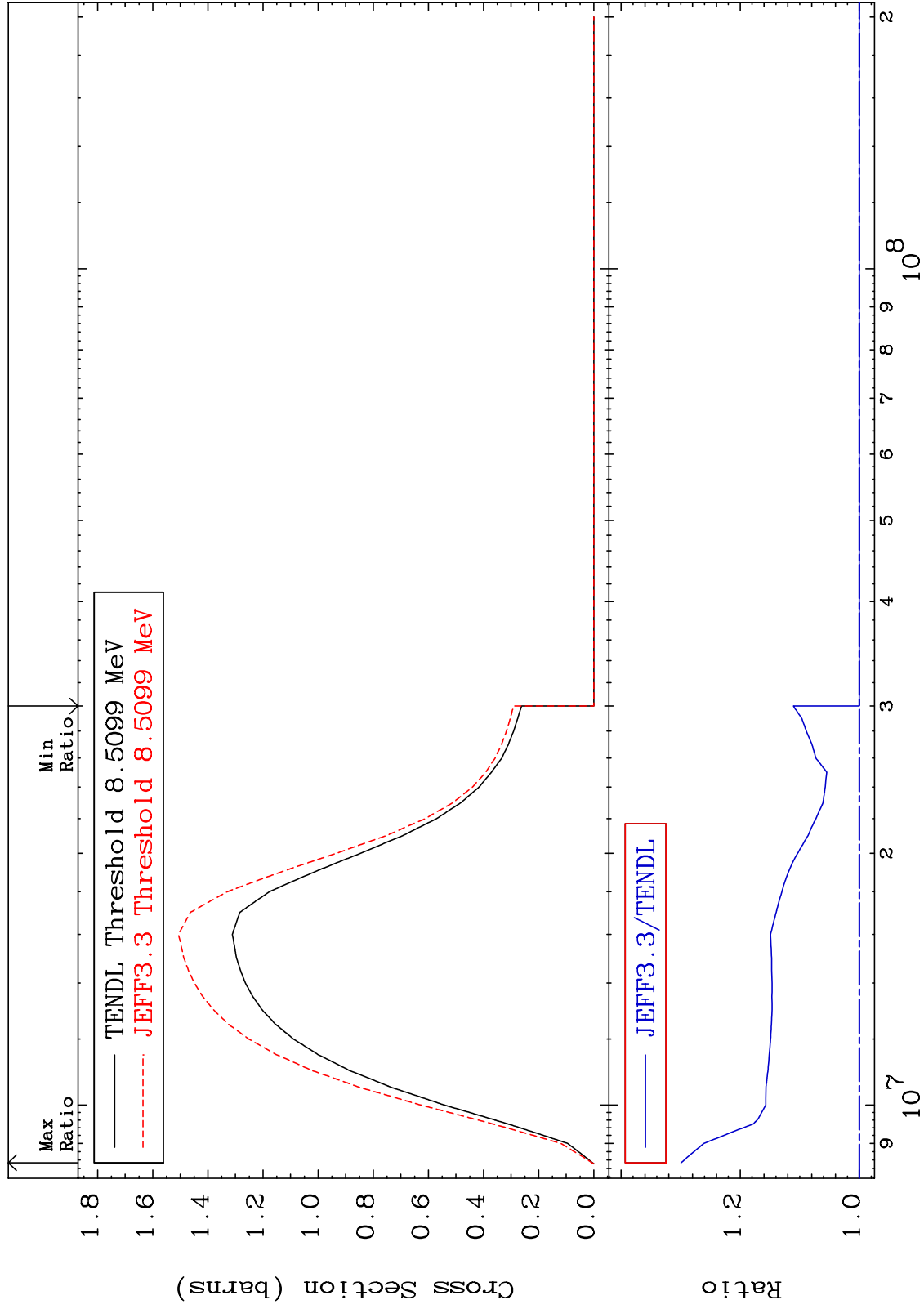
70-Yb-170

MAT 7031

(n,2n):70-Yb-169g

70-Yb-170

Radionuclide Production Cross Section 0.000 To 29.94 %



79

Incident Energy (eV)

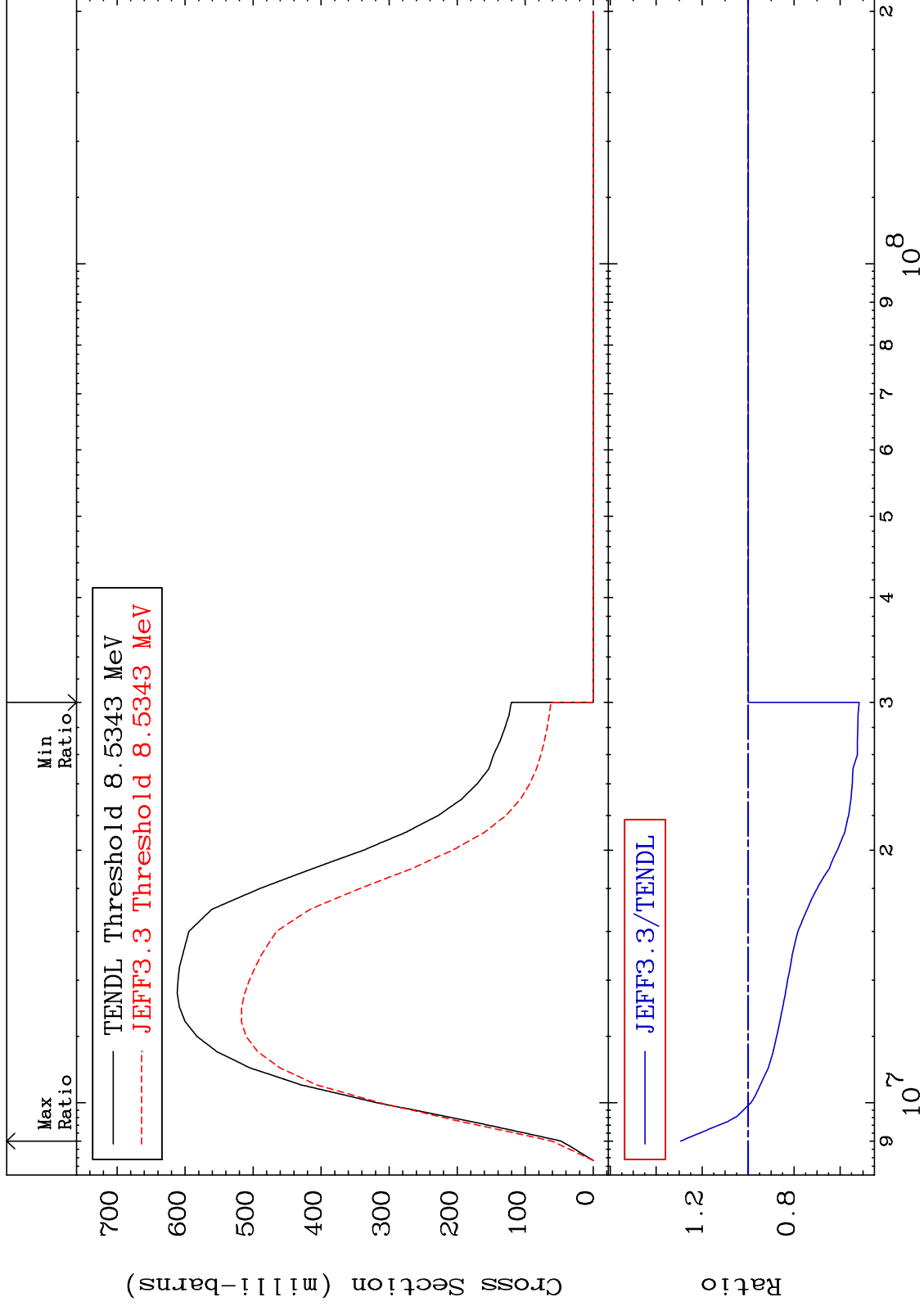
70-Yb-170

MAT 7031

(n,2n):70-Yb-169m1

70-Yb-170

Radionuclide Production Cross Section -48.32 To 29.38 %



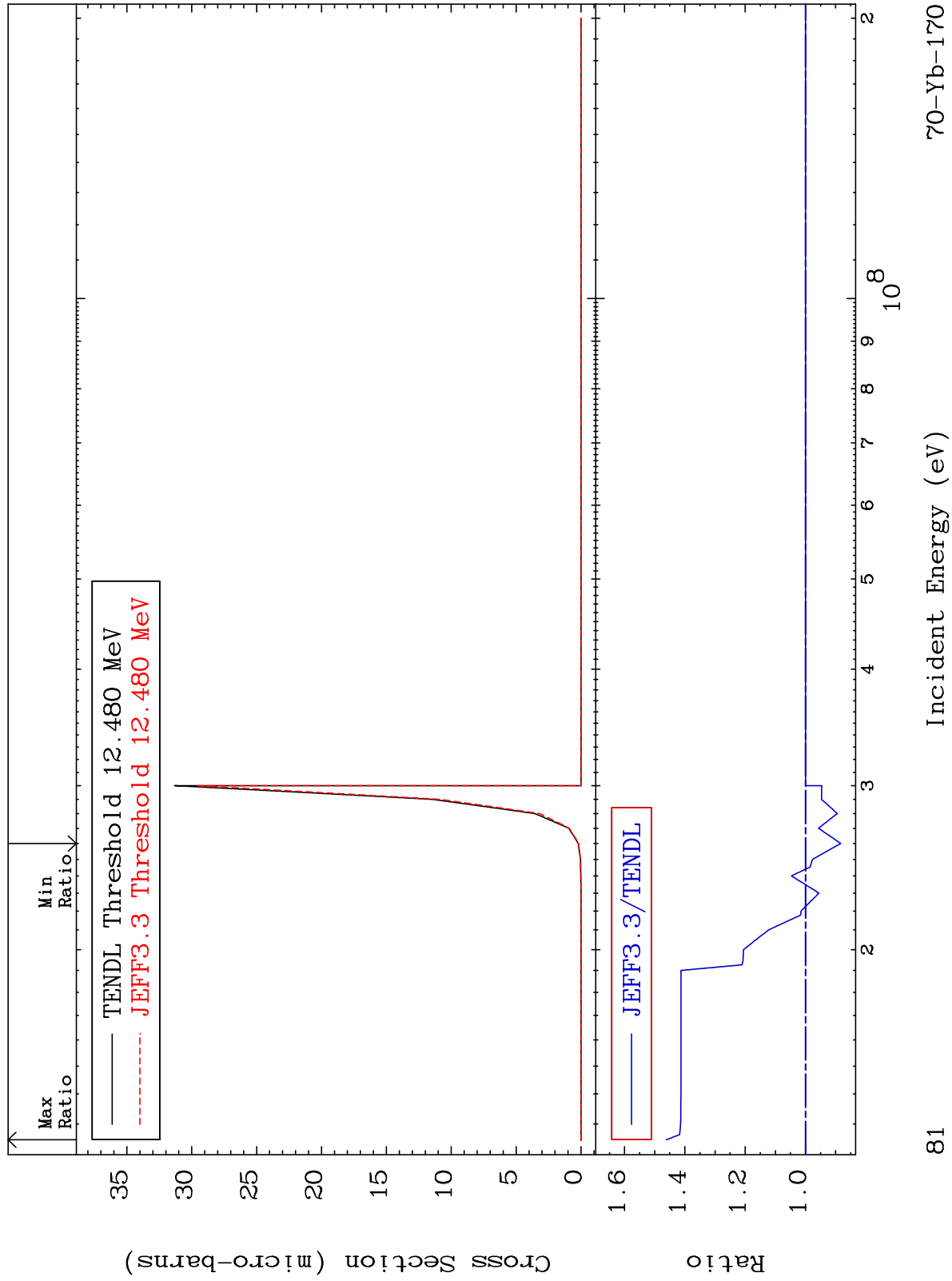
70-Yb-170

Incident Energy (eV)

80

MAT 7031

(n, n') He-3:68-Er-167g 70-Yb-170
Radionuclide Production Cross Section -11.68 To 46.14 %



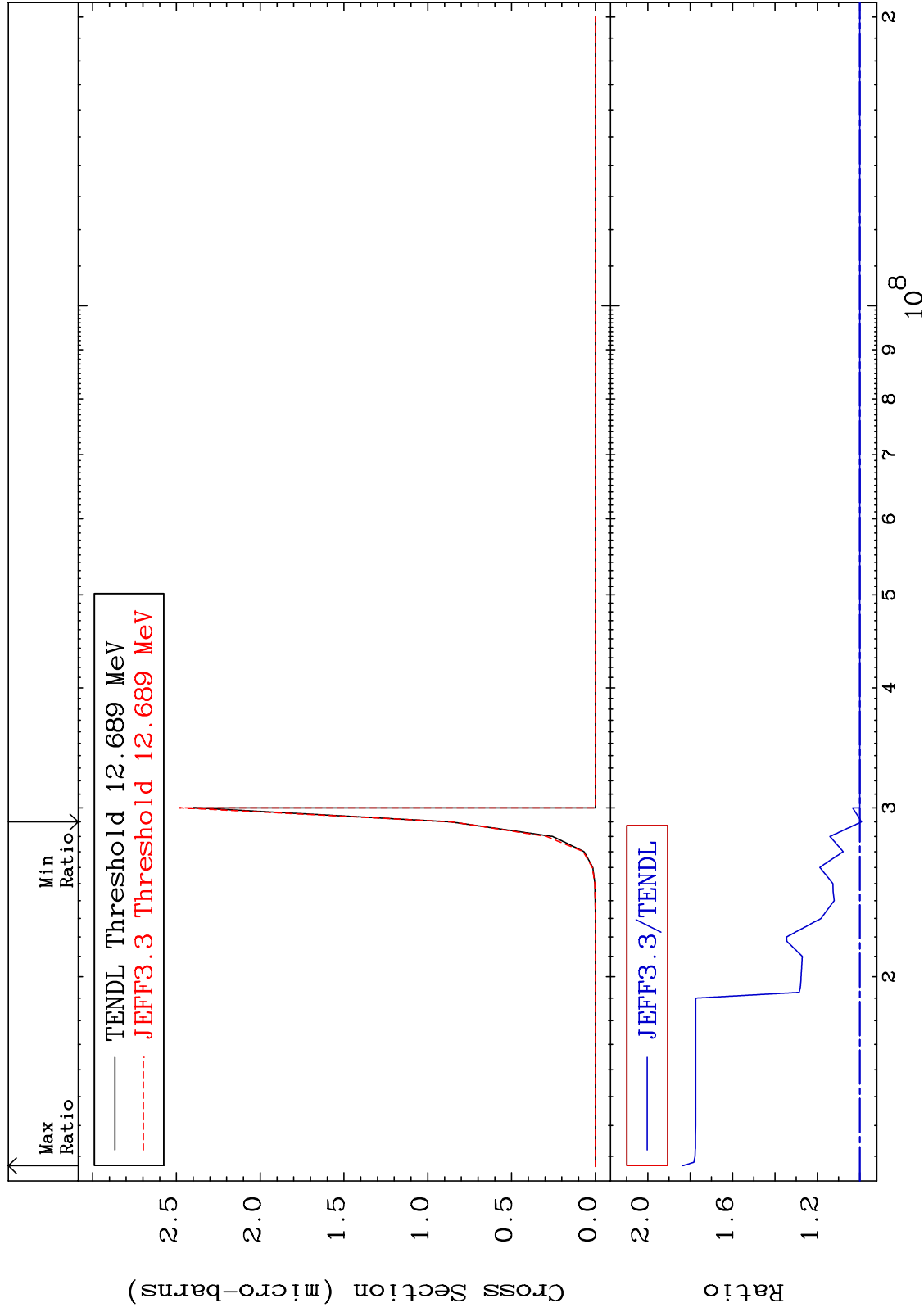
MAT 7031

(n, n') He-3:68-Er-167m3

70-Yb-170

Radionuclide Production Cross Section

-0.812 To 83.51 %

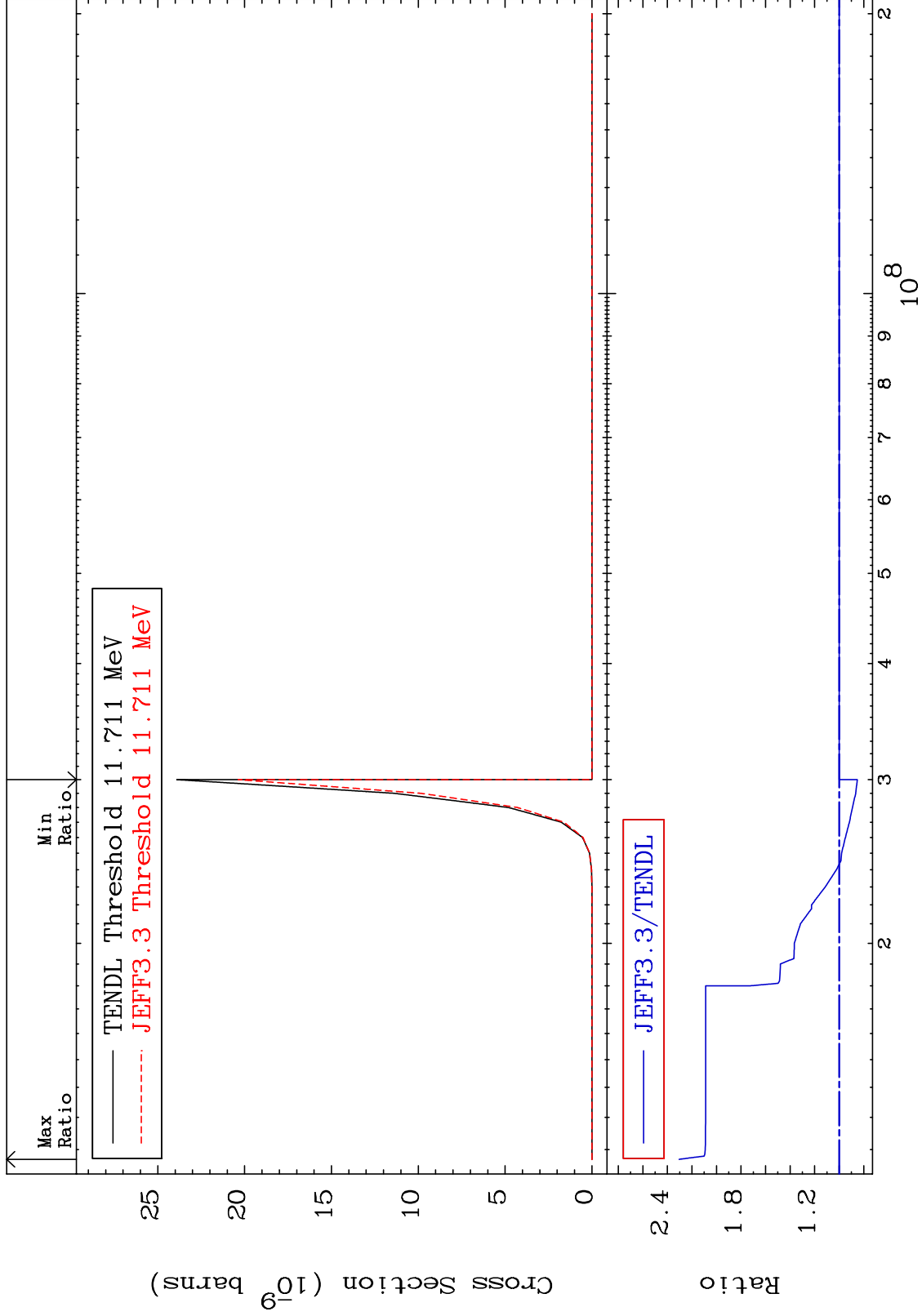


MAT 7031

(n, p) t: 68-Er-167g

70-Yb-170

Radionuclide Production Cross Section -14.77 To 130.4 %



MAT 7031

(n, p) t: 68-Er-167m3

70-Yb-170

Radionuclide Production Cross Section -16.97 To 47.34 %

