

Program Complot
(Version 2018-1)

by

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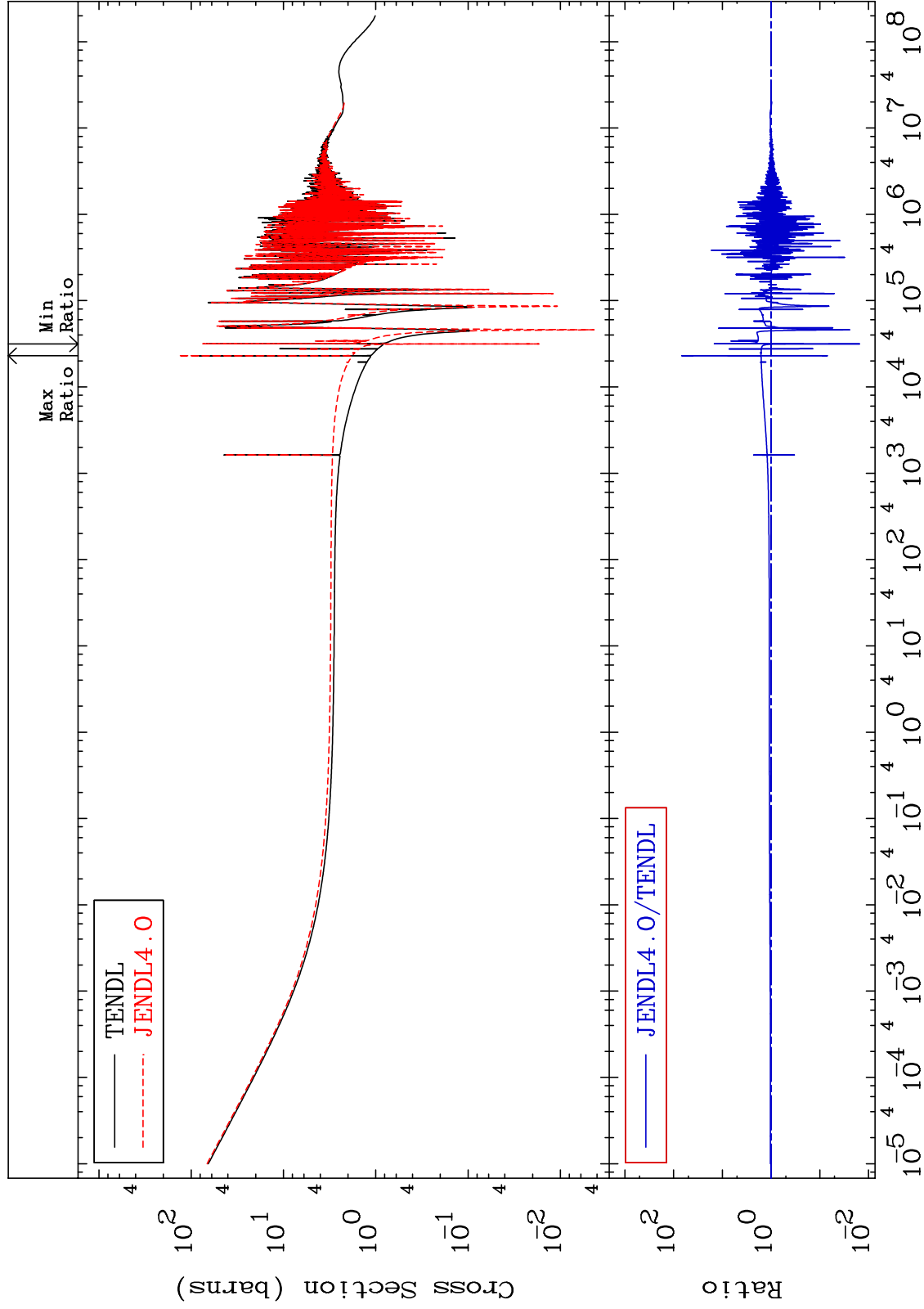
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2431

Total
Cross Section

24-Cr-52
-98.49 To 6807. %



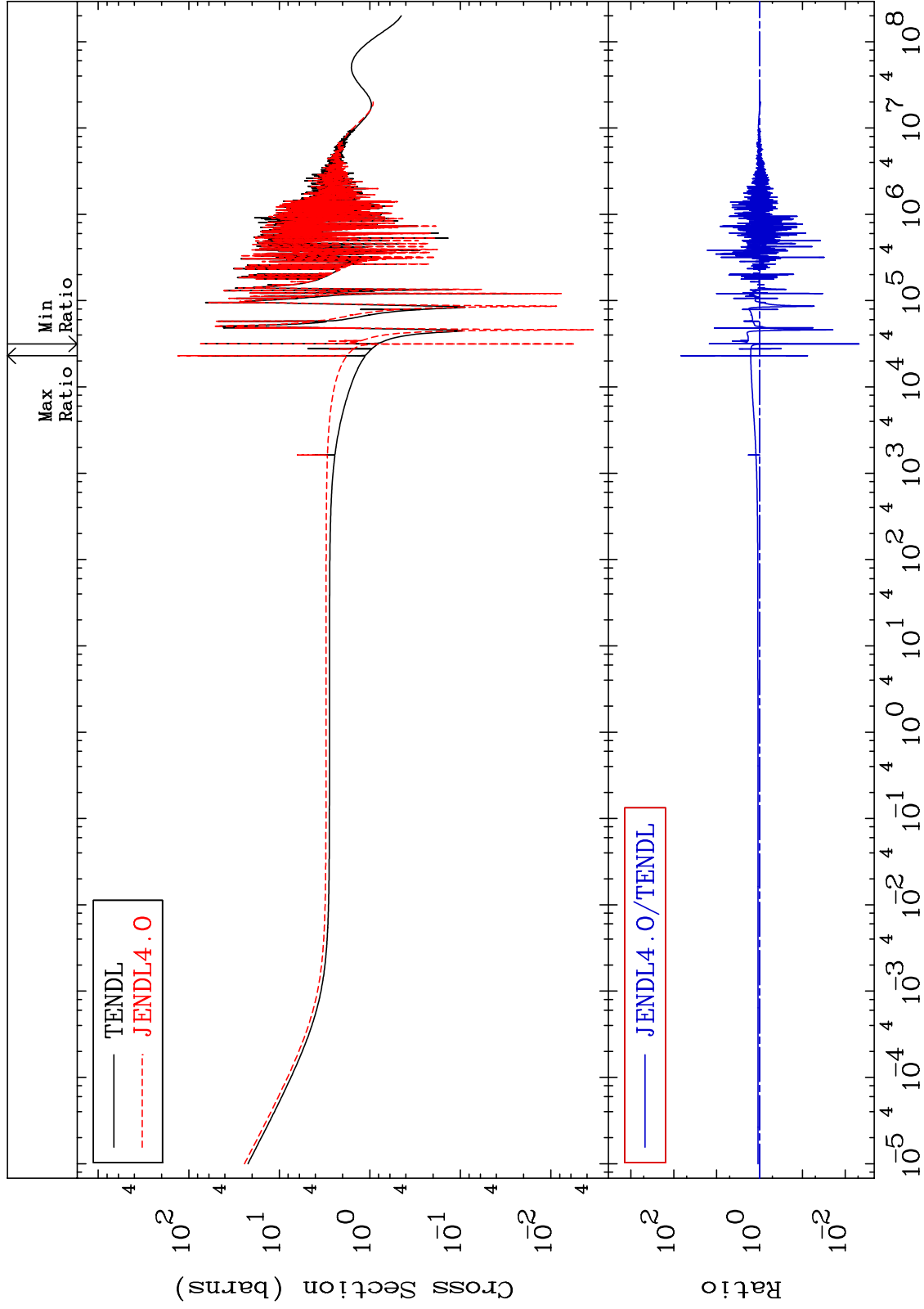
Incident Energy (eV)

24-Cr-52

MAT 2431

Elastic
Cross Section

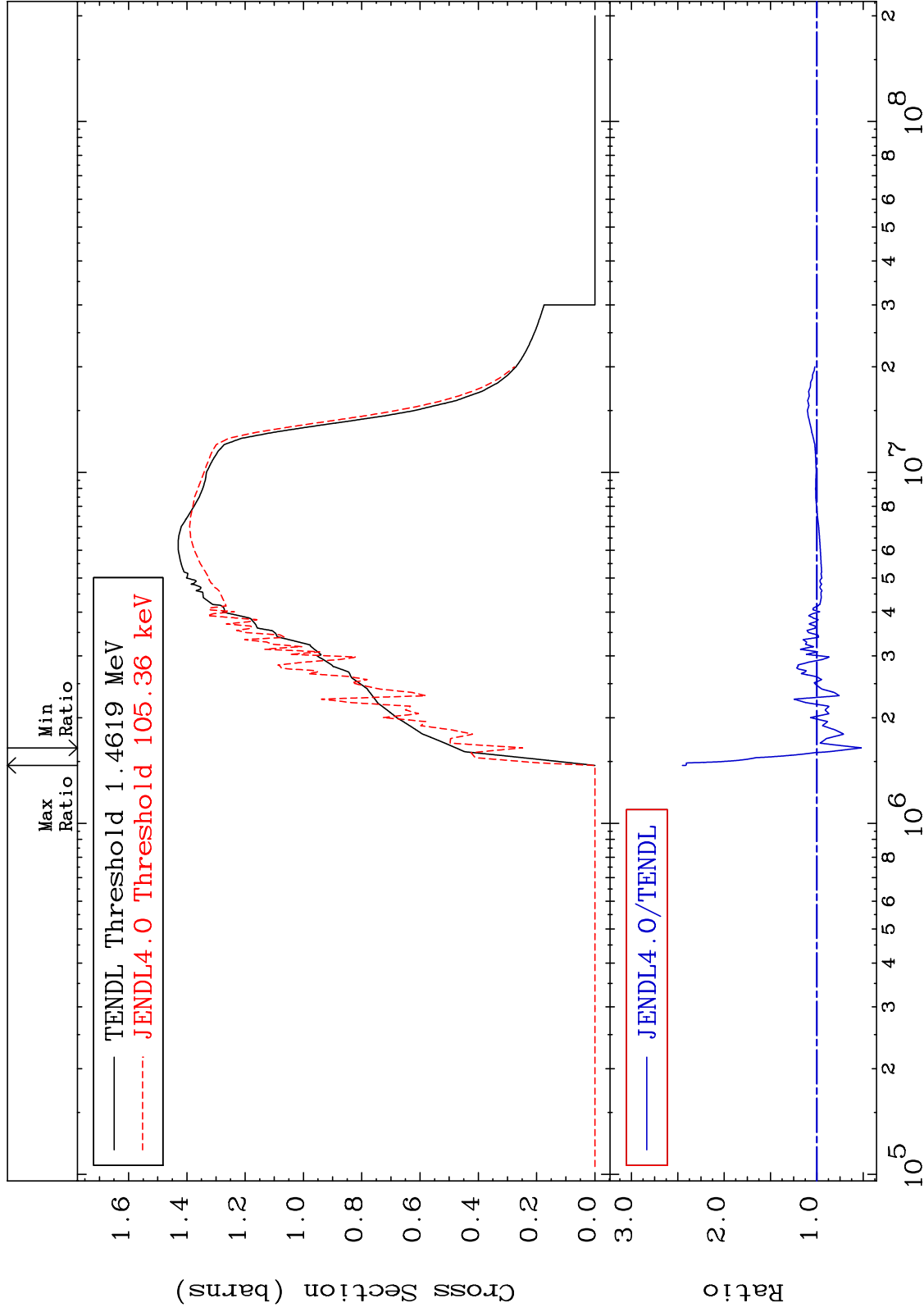
24-Cr-52
-99.52 To 6809. %



MAT 2431

Inelastic
Cross Section

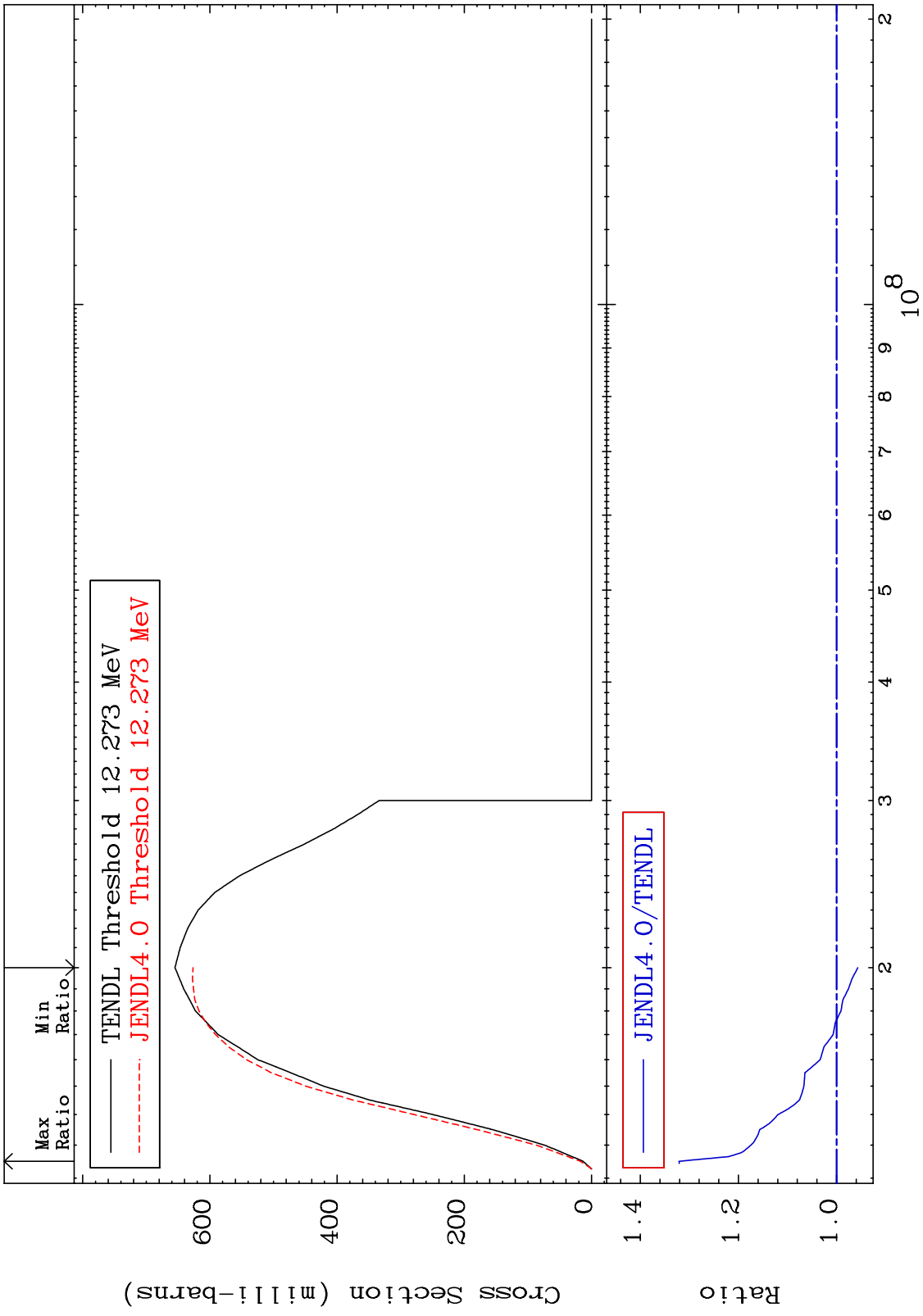
24-Cr-52
-48.04 To 145.0 %



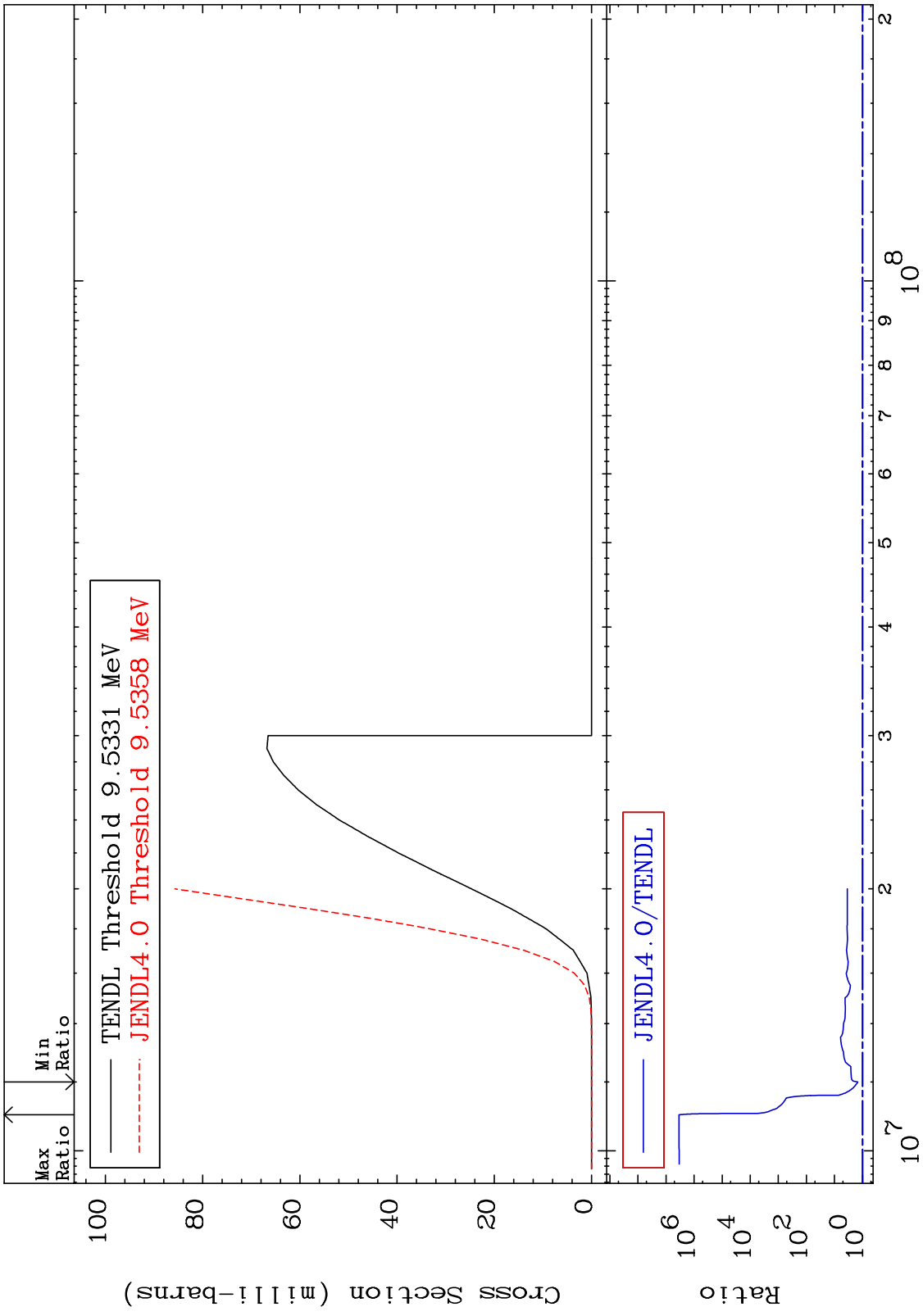
Incident Energy (eV)

24-Cr-52

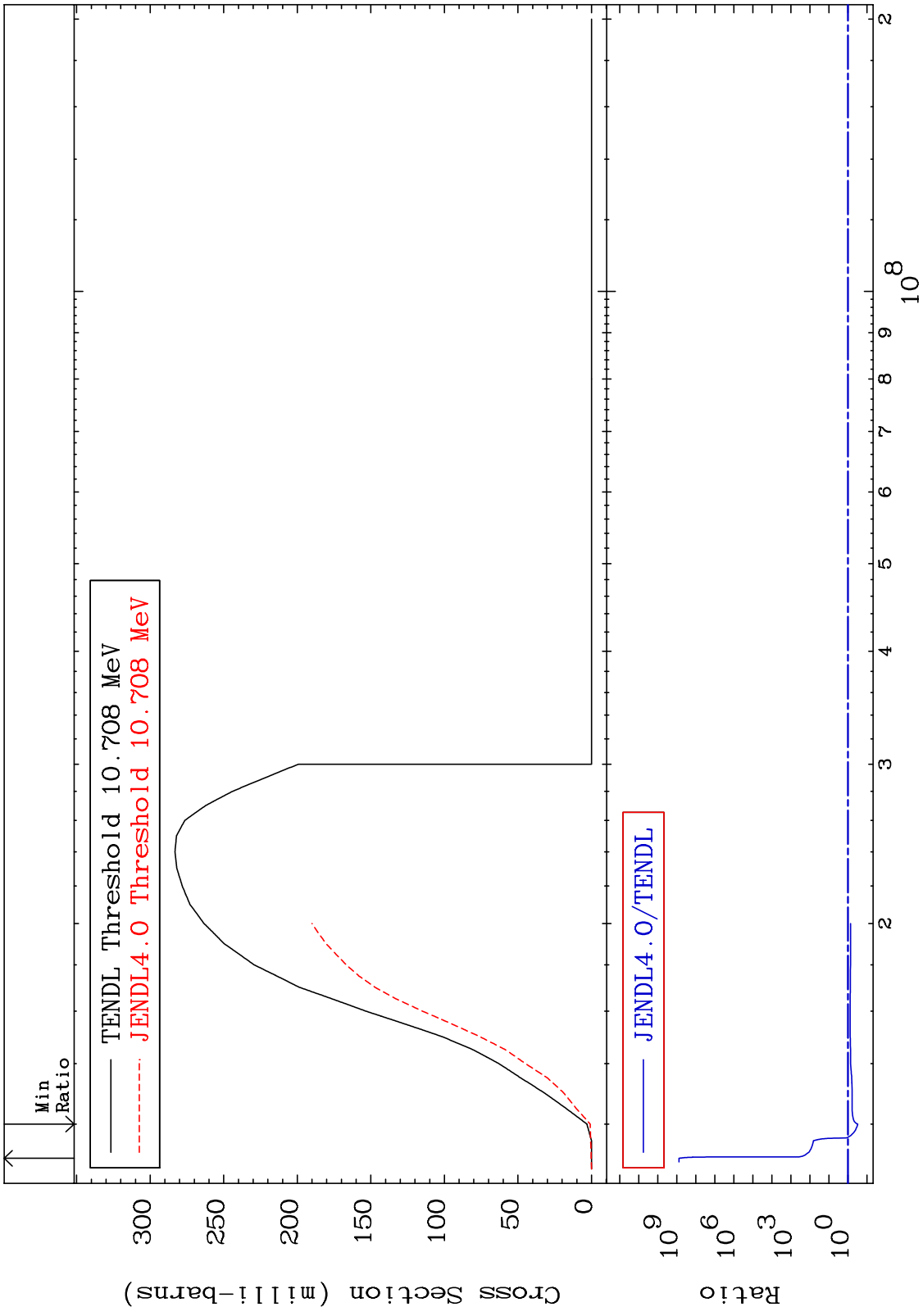
MAT 2431 (n,2n) 24-Cr-52
 Cross Section -4.328 To 32.10 %



MAT 2431 $(n, n') \alpha$ 24-Cr-52
 Cross Section 47.06 To 9999. %



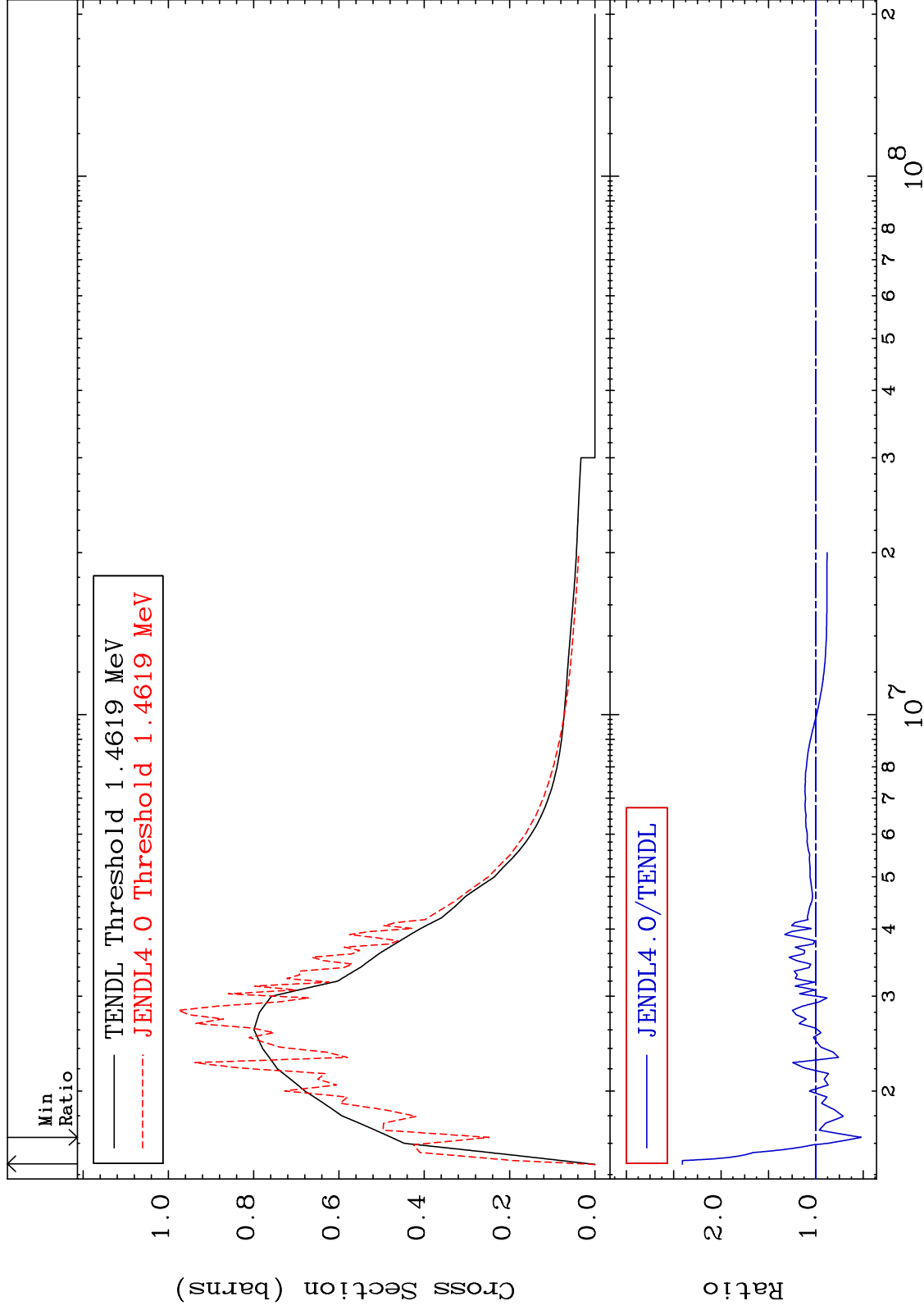
Incident Energy (eV) 24-Cr-52



MAT 2431

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

24-Cr-52
-48.04 To 140.8 %

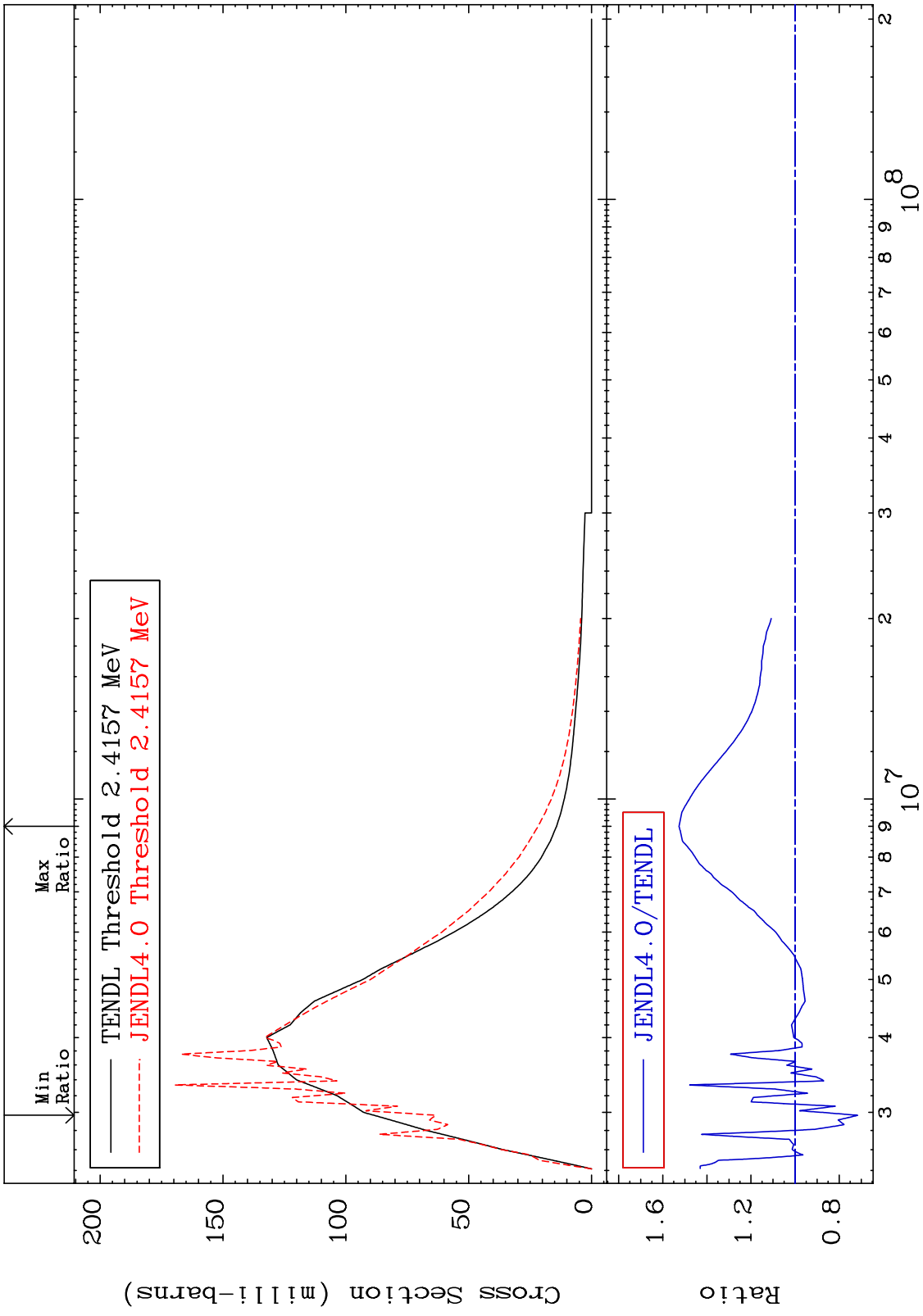


7

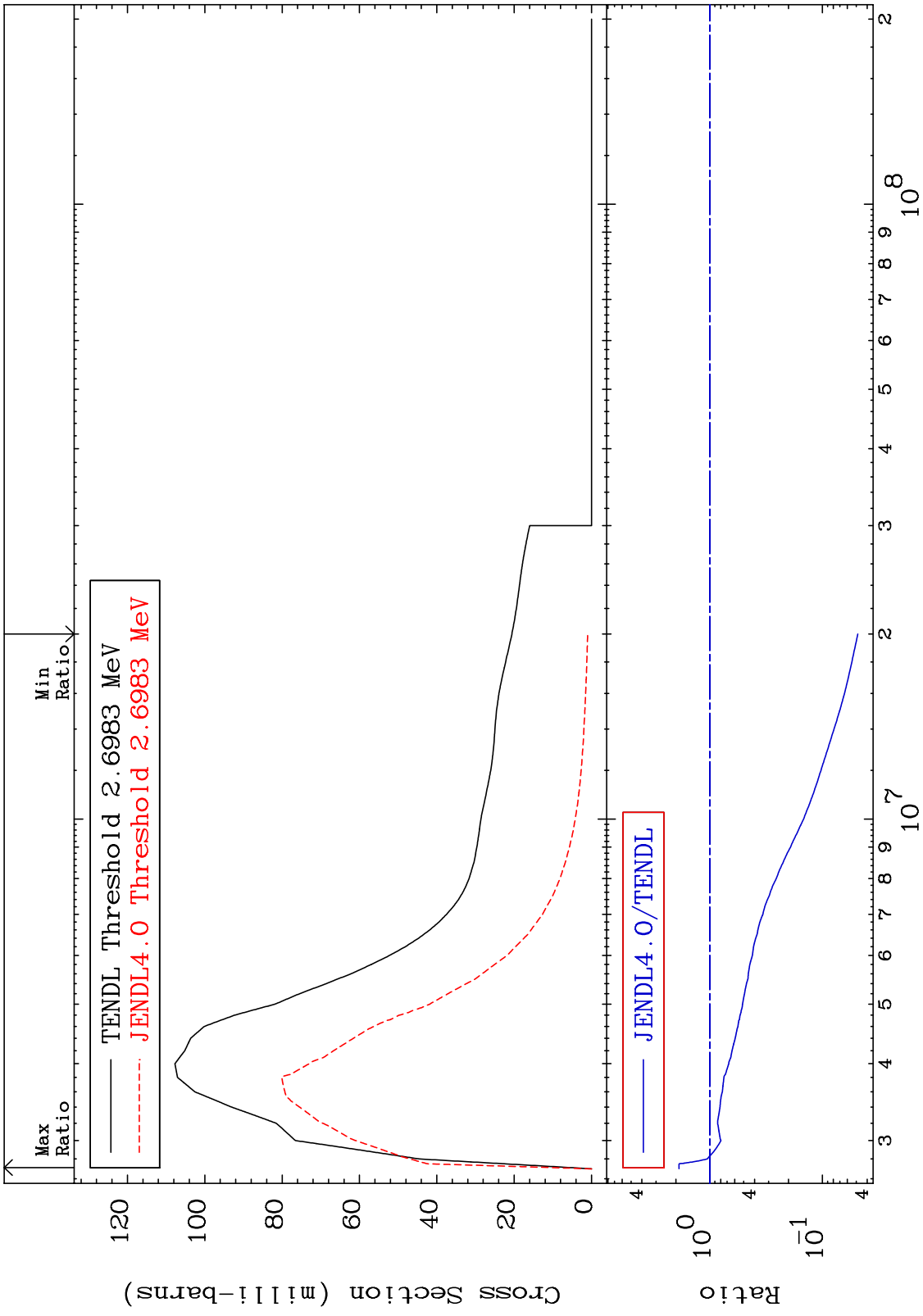
Incident Energy (eV)

24-Cr-52

MAT 2431 MT= 52 (n,n') Level Cross Section 24-Cr-52
 -28.47 To 52.64 %



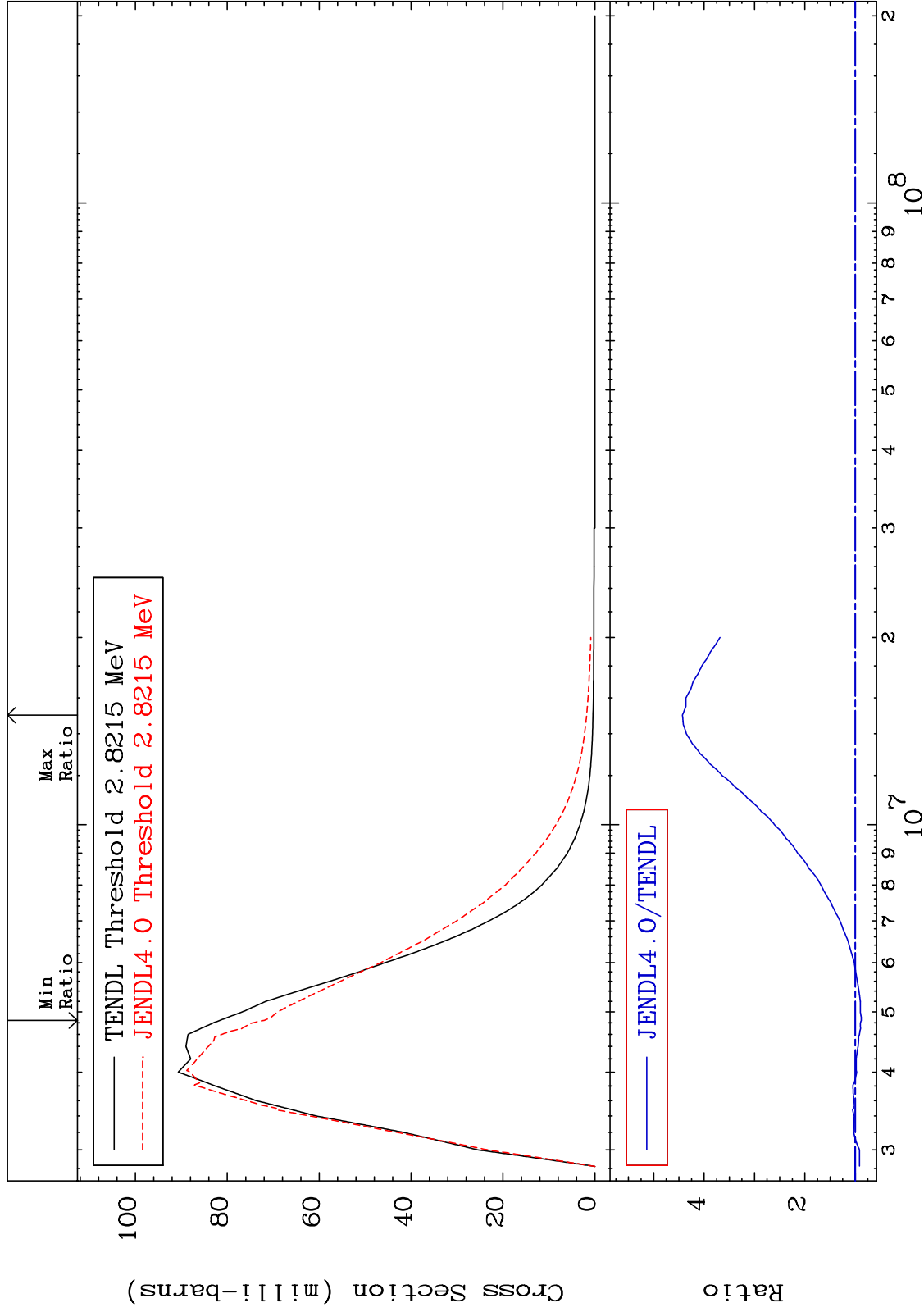
MAT 2431 MT= 53 (n,n') Level Cross Section -95.16 To 87.25 % 24-Cr-52



MAT 2431

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

24-Cr-52
-11.88 To 342.9 %

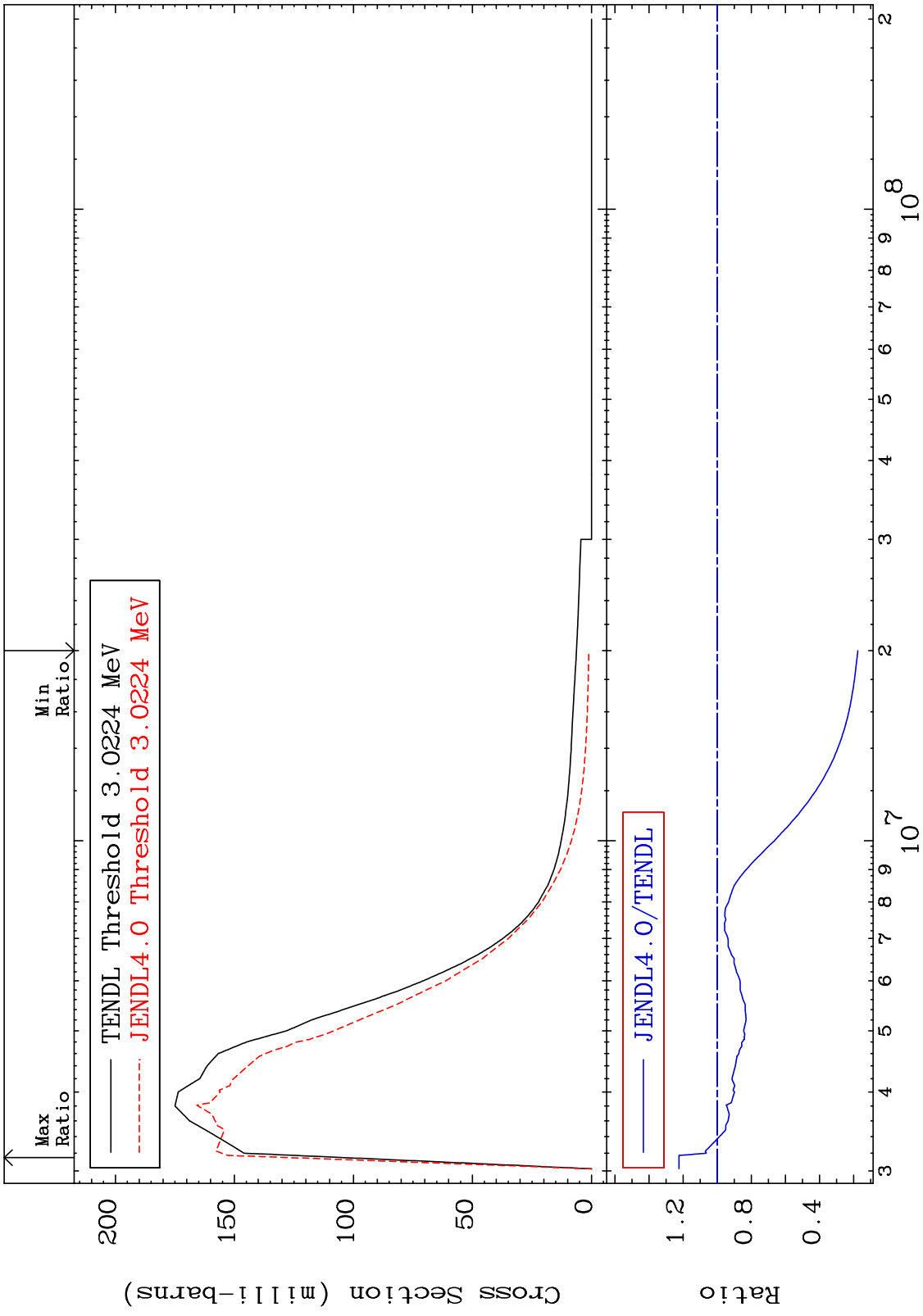


10

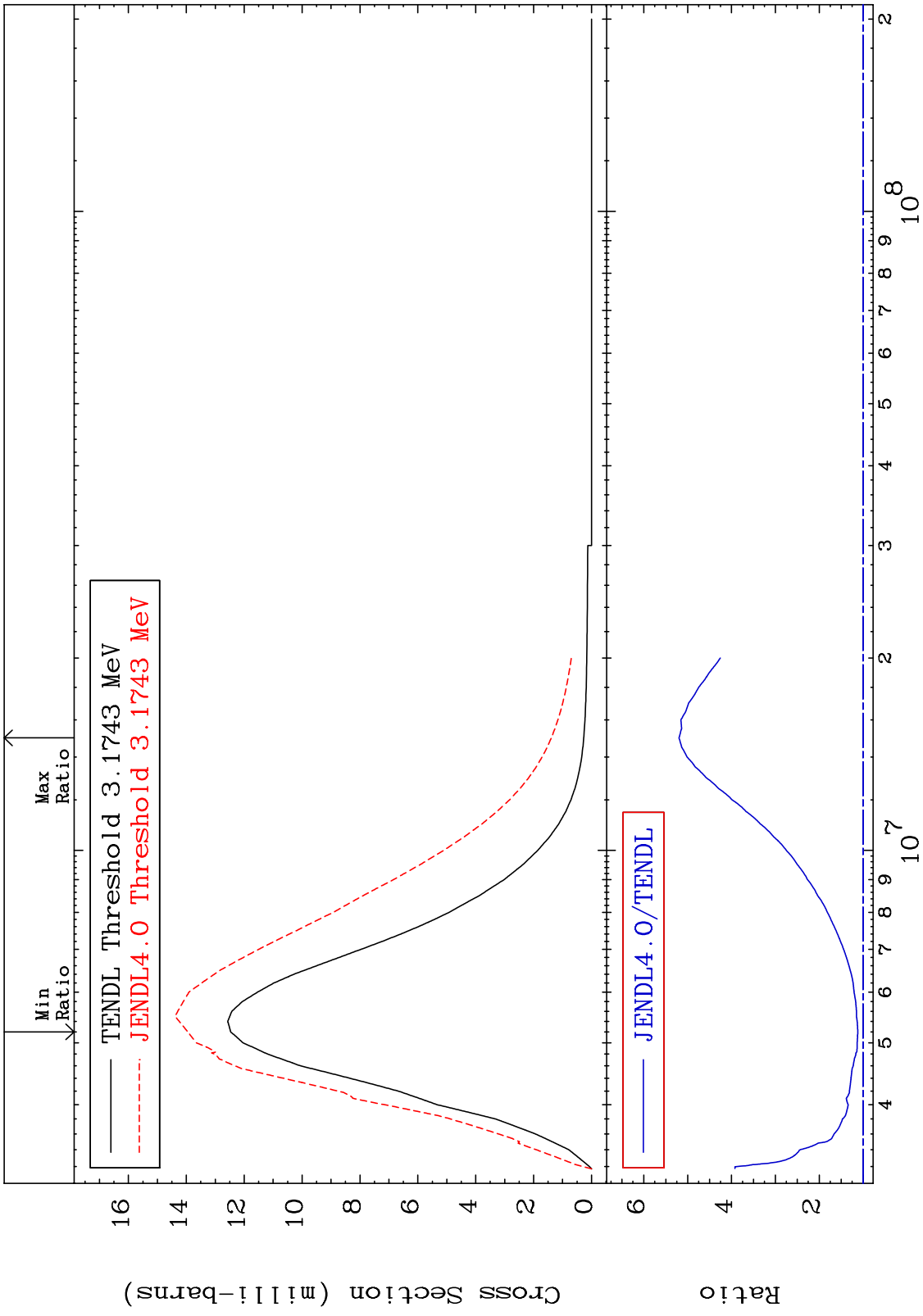
Incident Energy (eV)

24-Cr-52

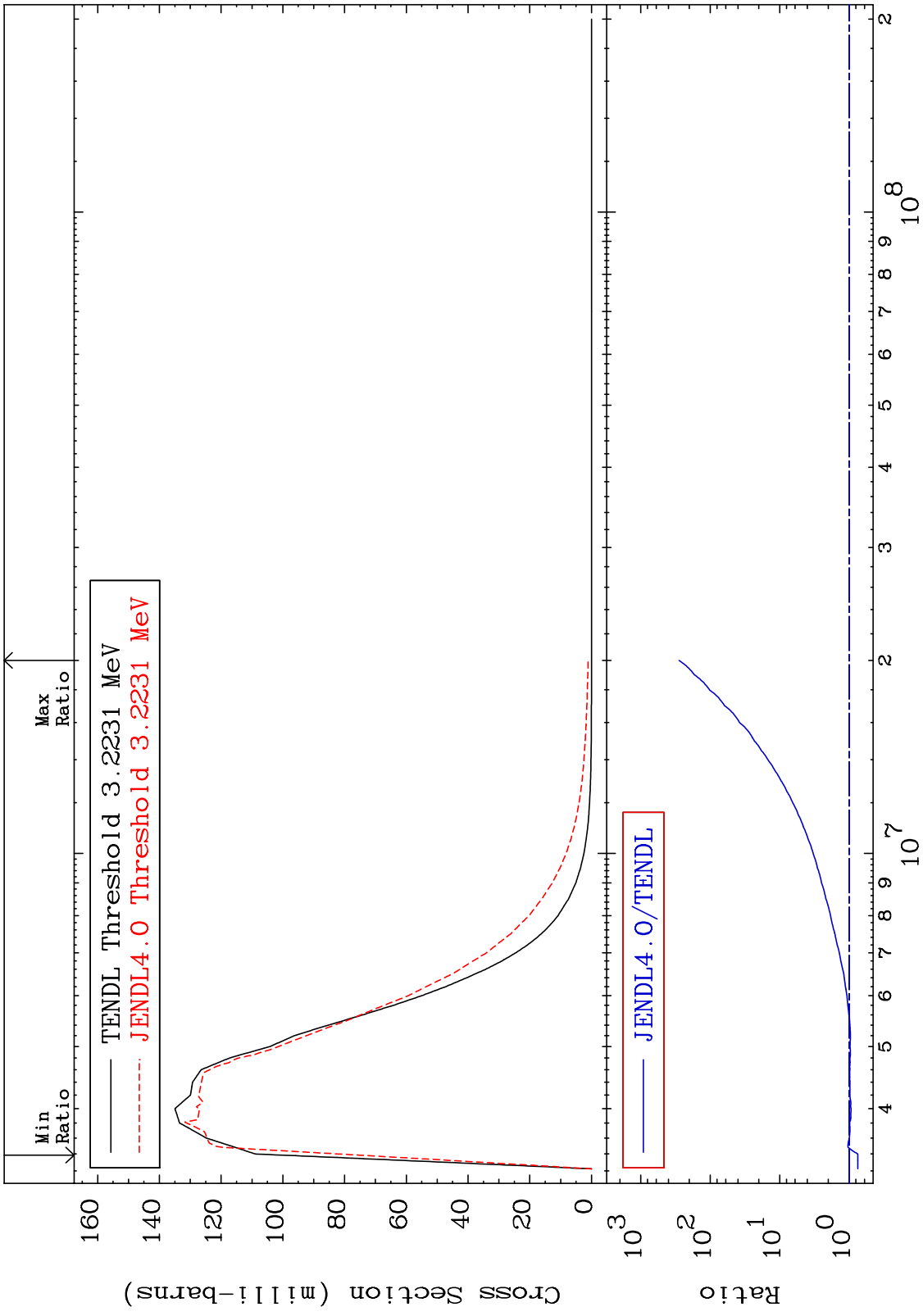
MAT 2431 MT= 55 (n,n') Level 24-Cr-52
 Cross Section -82.49 To 22.39 %



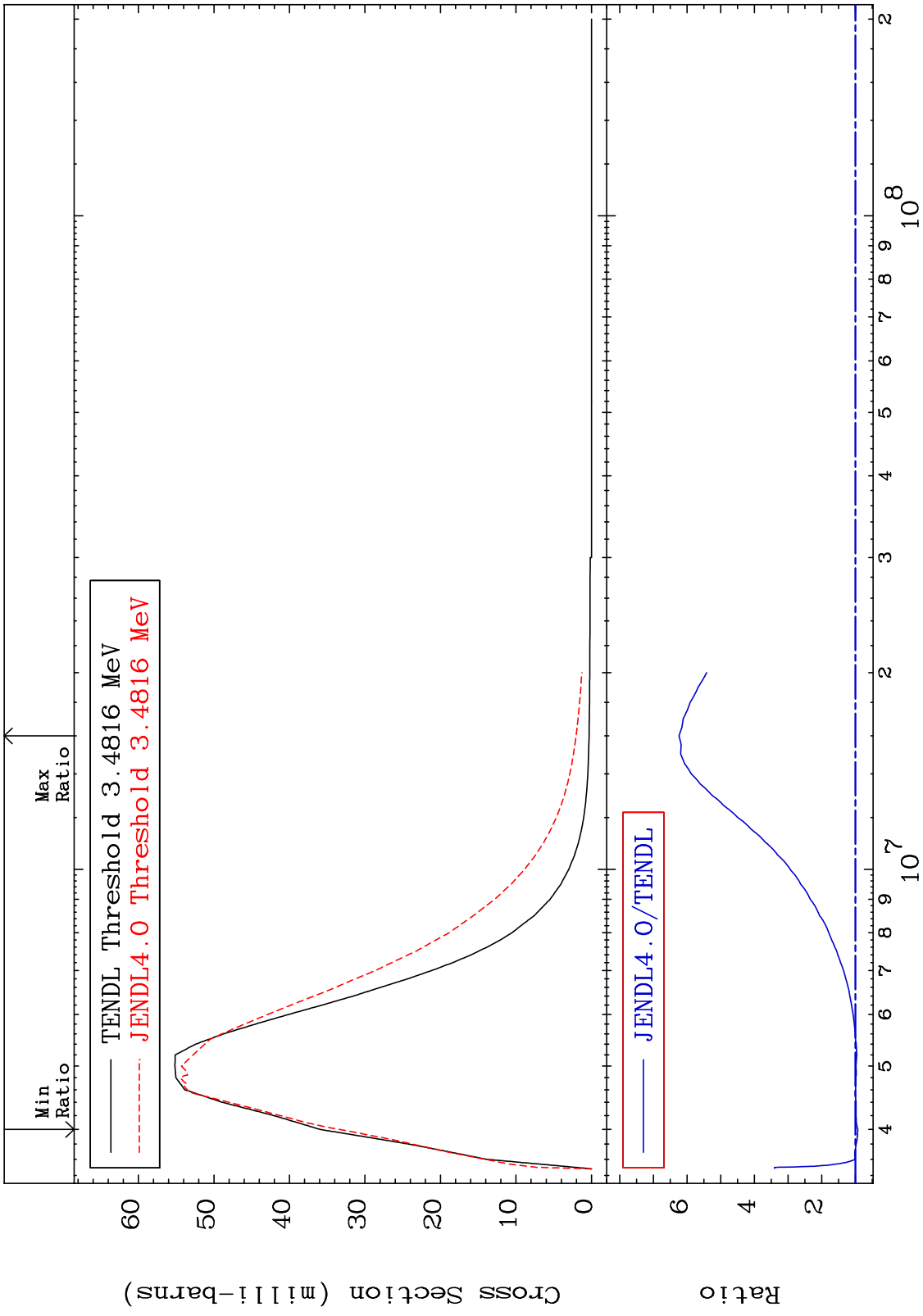
MAT 2431 MT= 56 (n,n') Level Cross Section 11.91 To 419.7 % 24-Cr-52



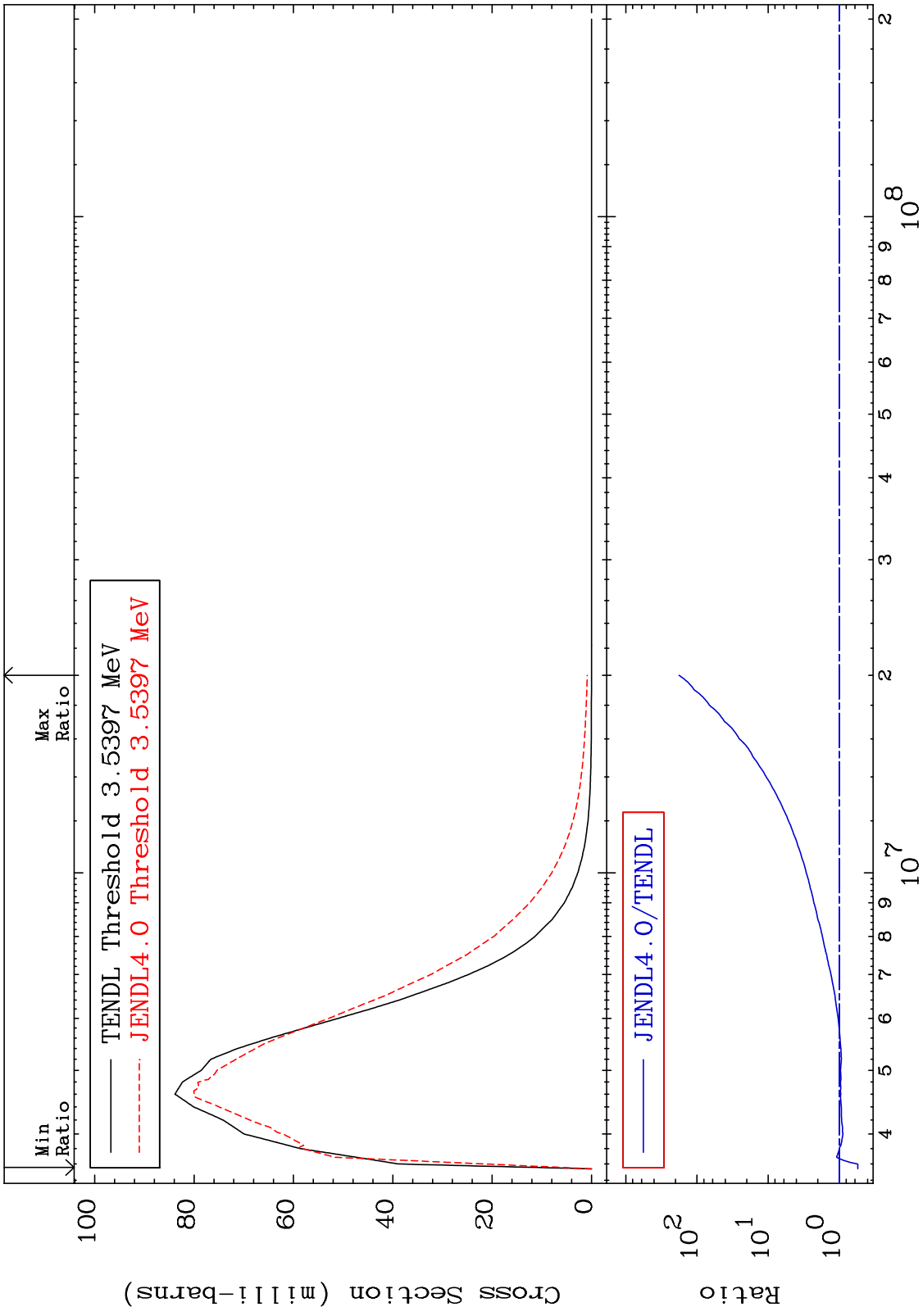
MAT 2431 MT= 57 (n,n') Level Cross Section -24.90 To 9999. % 24-Cr-52



MAT 2431 MT= 58 (n,n') Level Cross Section -7.280 To 523.6 % 24-Cr-52



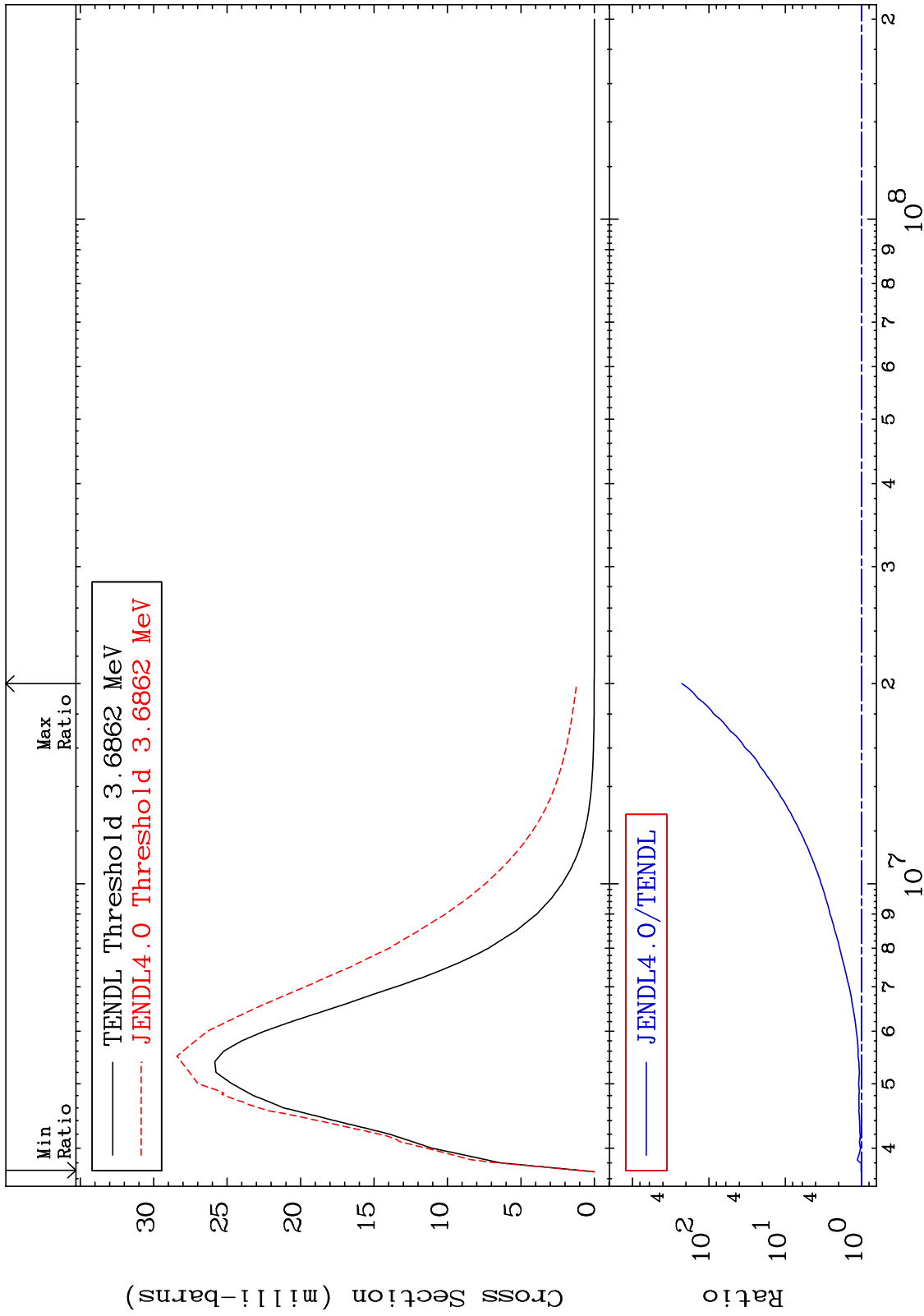
MAT 2431 MT= 59 (n,n') Level Cross Section -45.23 To 9999. % 24-Cr-52



MAT 2431

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

1.319 To 9999. %
24-Cr-52

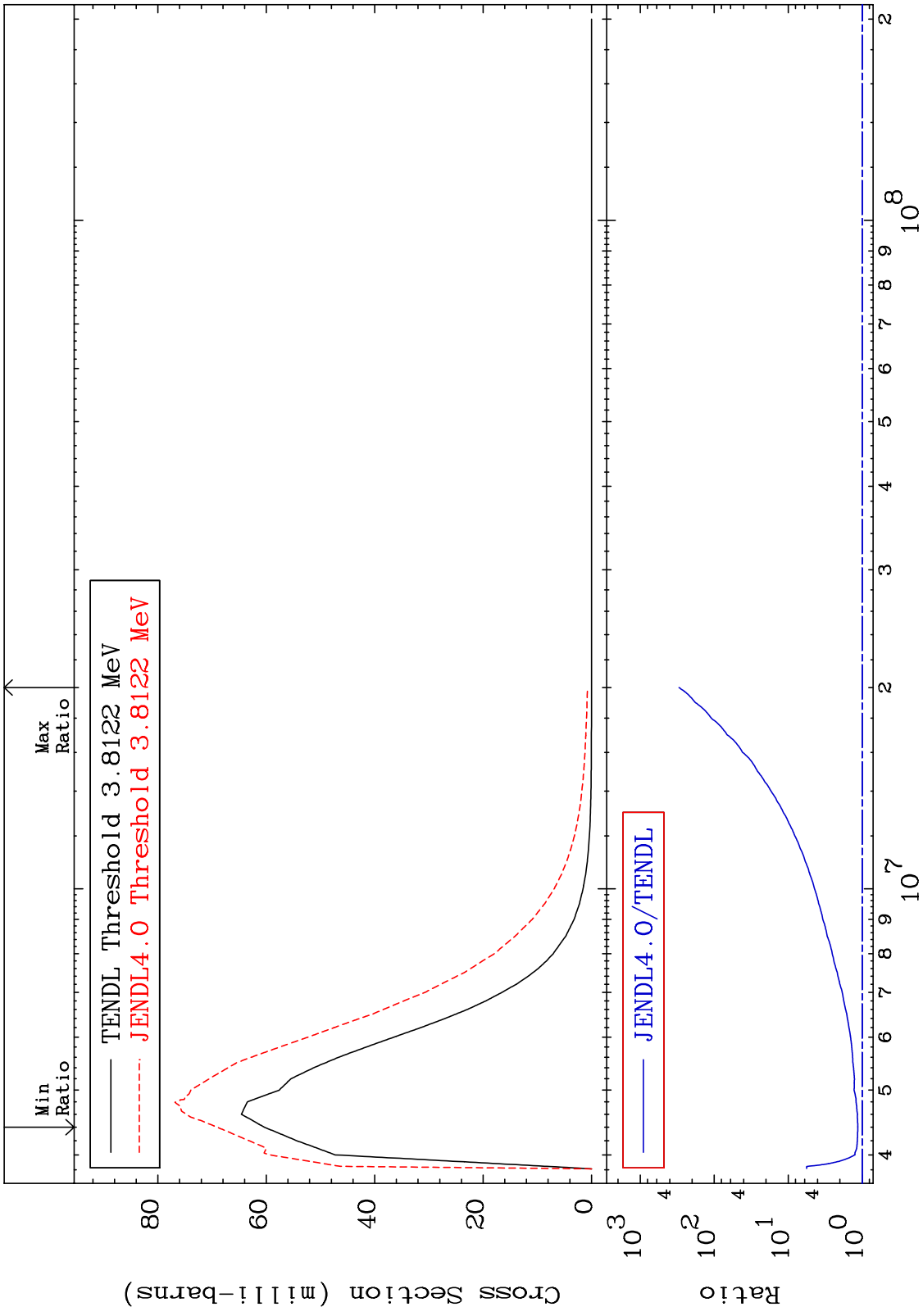


16

Incident Energy (eV)

24-Cr-52

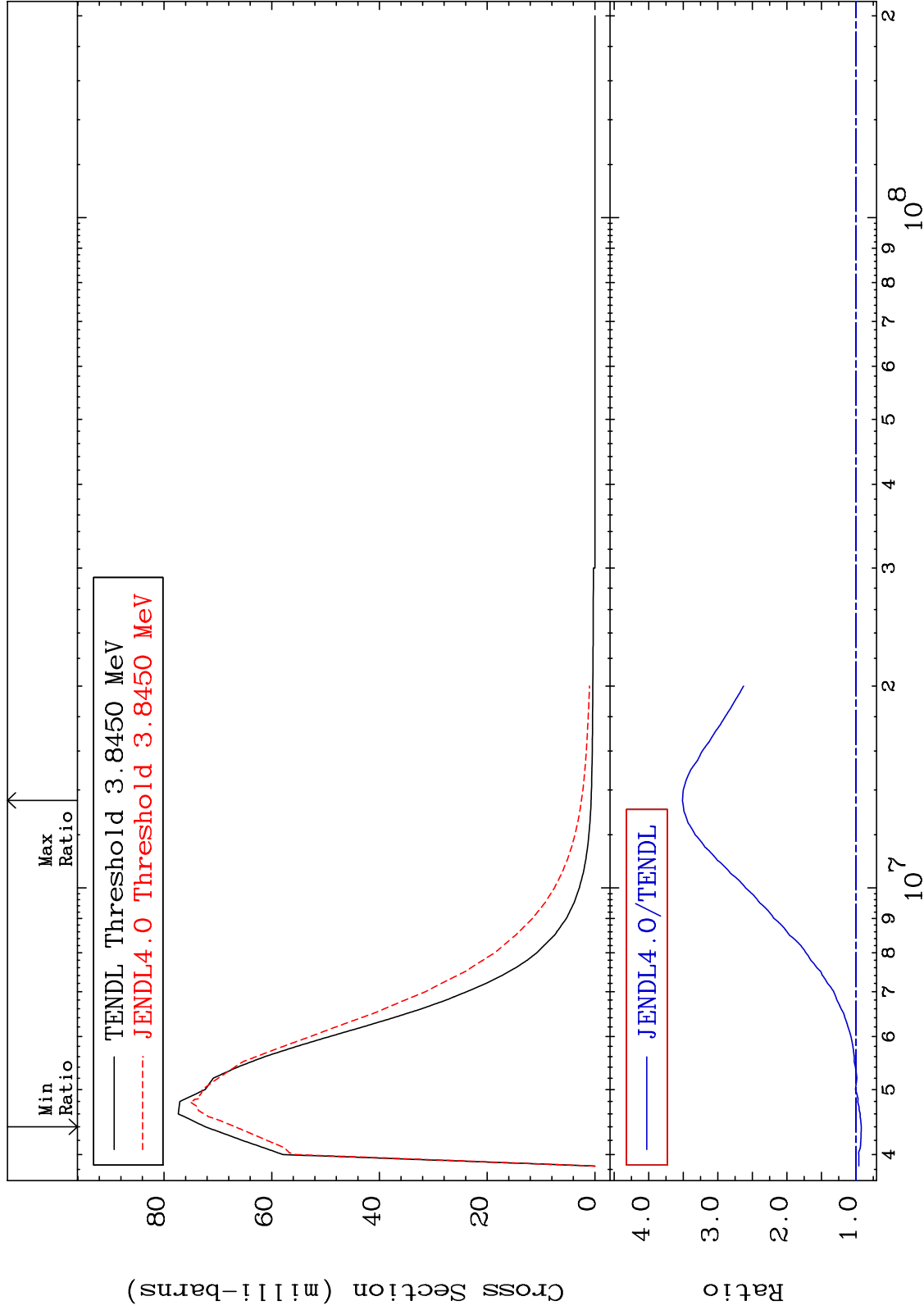
MAT 2431 MT= 61 (n,n') Level Cross Section 24-Cr-52
 14.41 To 9999. %



MAT 2431

MT= 62 (n,n') Level
Cross Section

24-Cr-52
-7.666 To 251.2 %



18

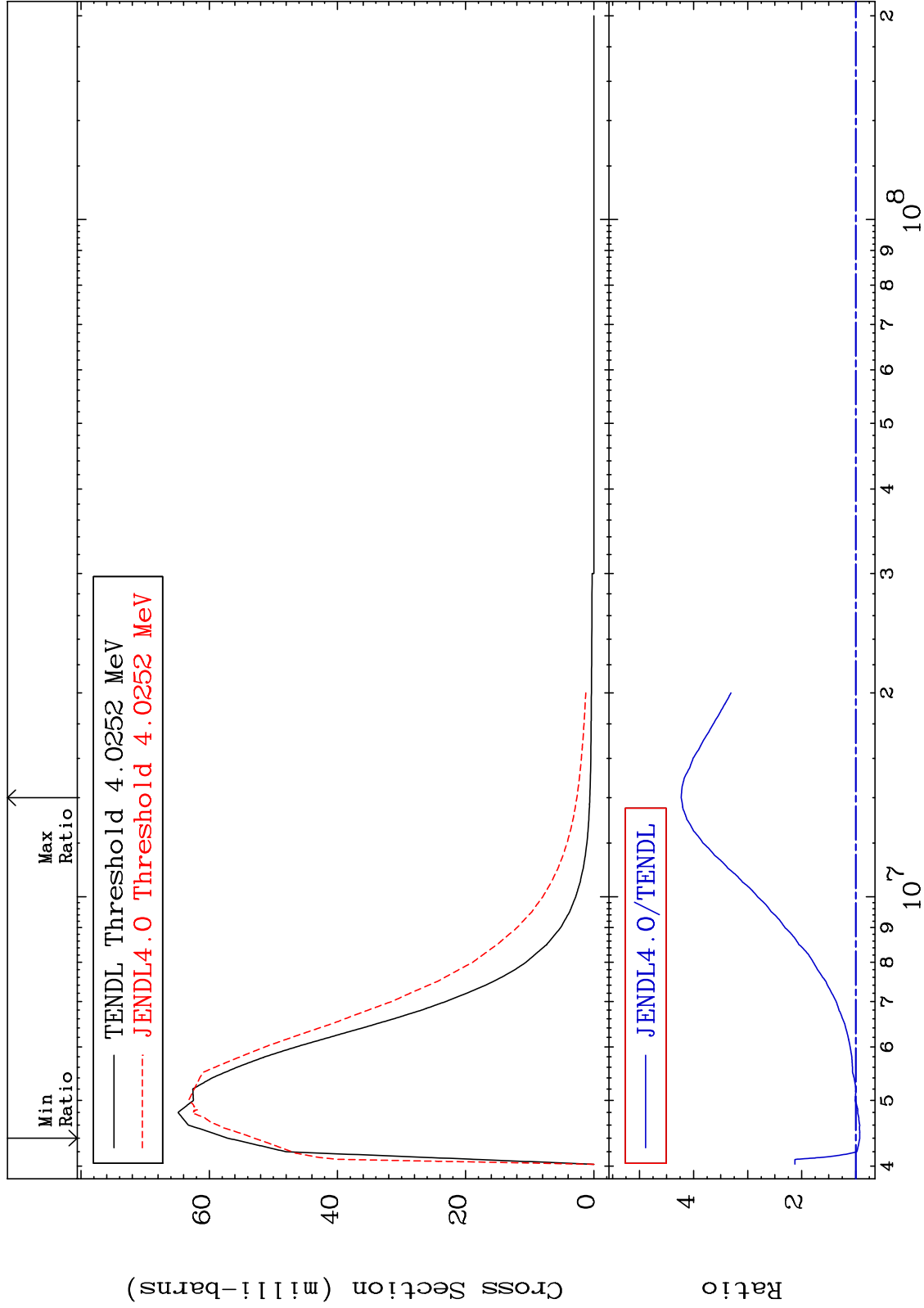
Incident Energy (eV)

24-Cr-52

MAT 2431

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

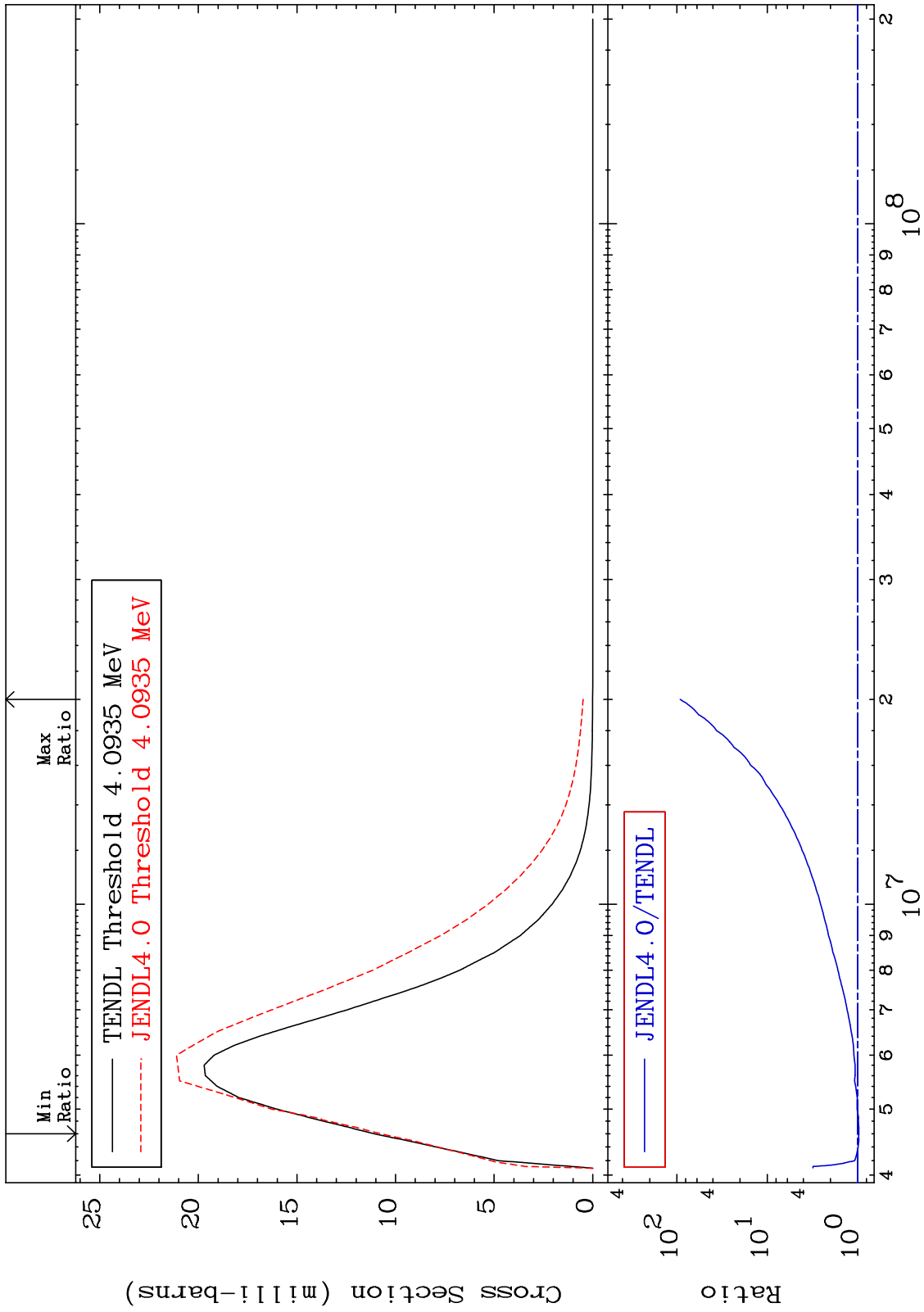
24-Cr-52
-7.313 To 322.9 %



19

24-Cr-52

MAT 2431 MT= 64 (n,n') Level Cross Section -3.096 To 9102. % 24-Cr-52

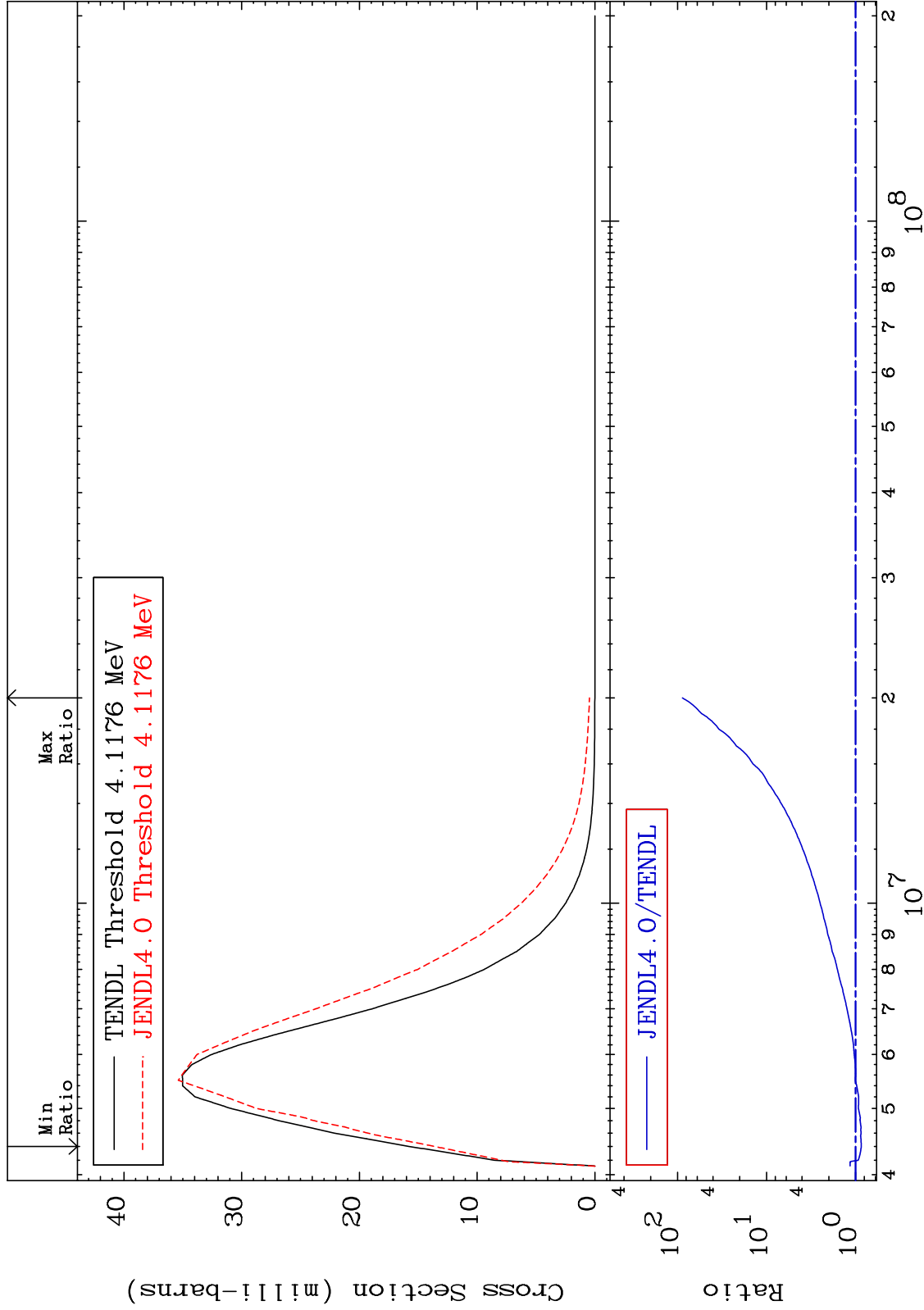


20 Incident Energy (eV) 24-Cr-52

MAT 2431

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

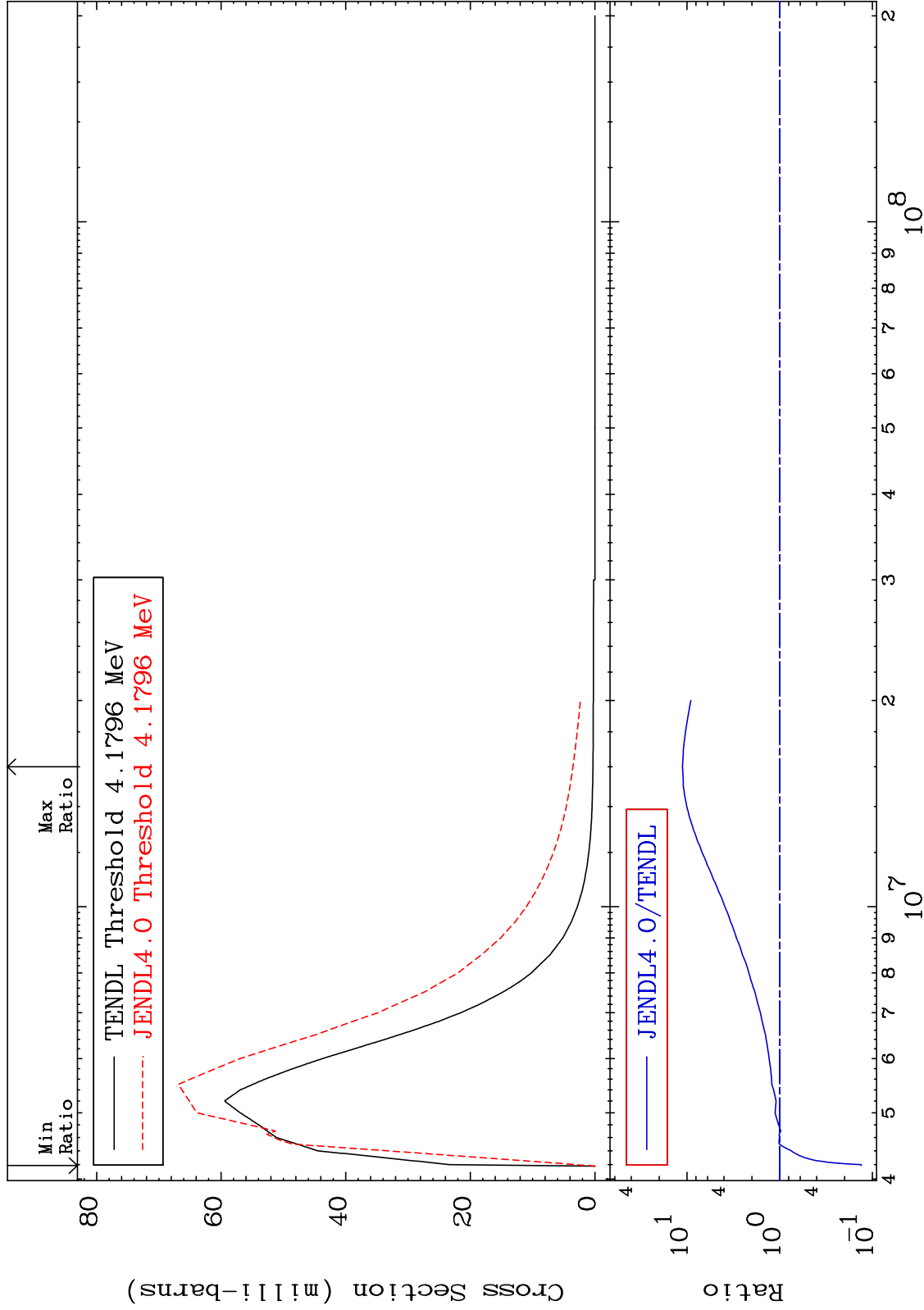
24-Cr-52
-13.65 To 8706. %



MAT 2431

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

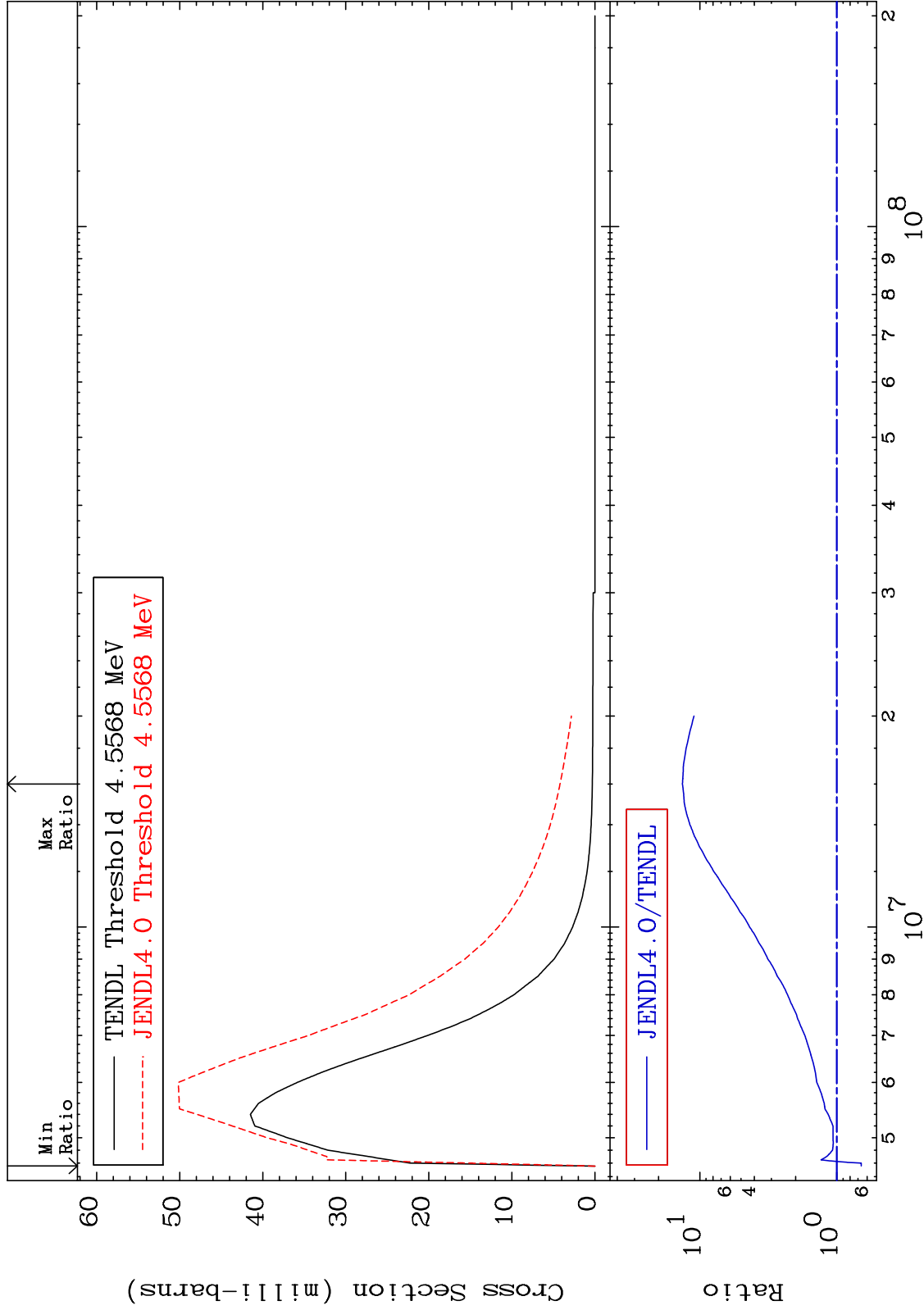
24-Cr-52
-86.81 To 1021. %



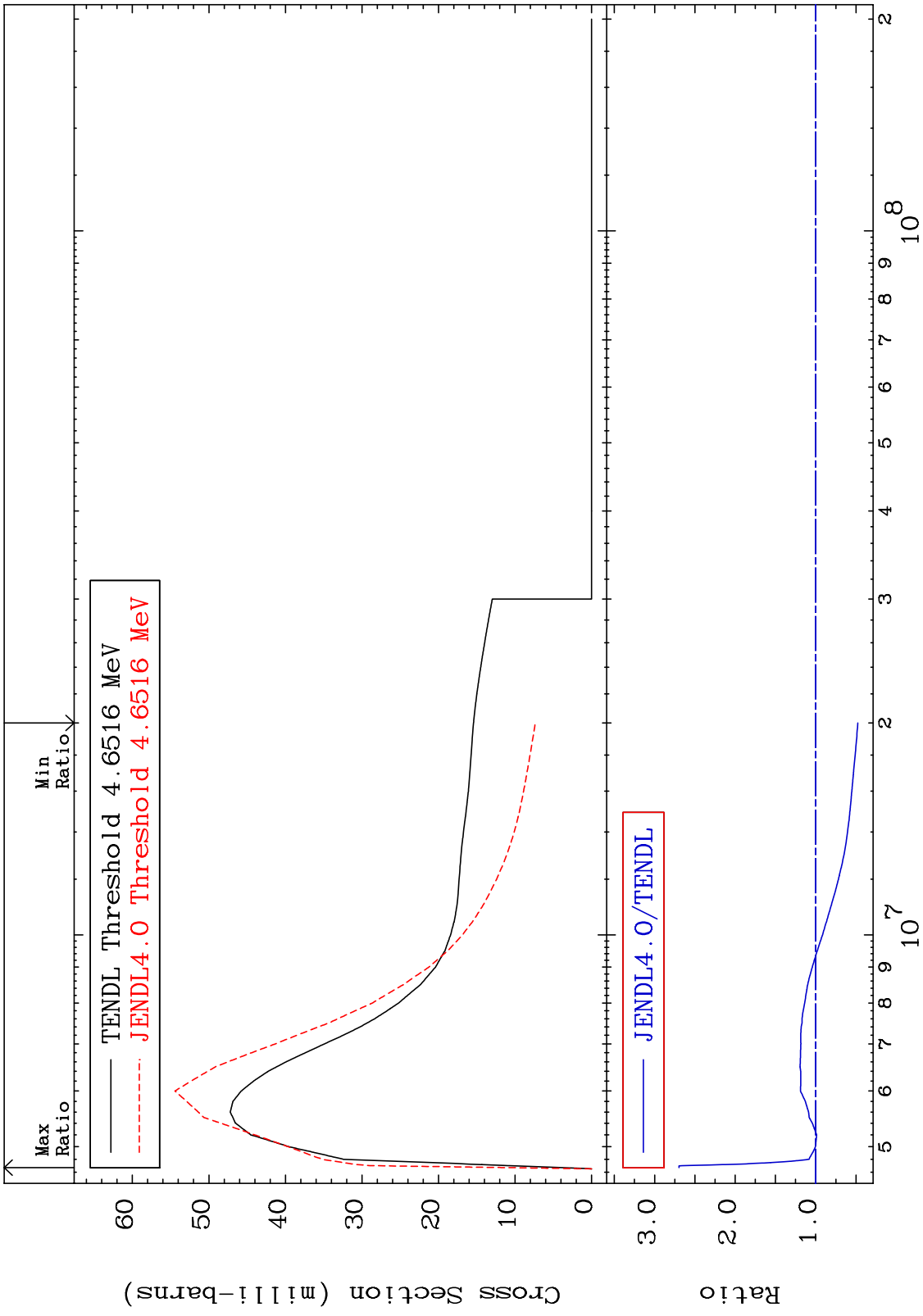
MAT 2431

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

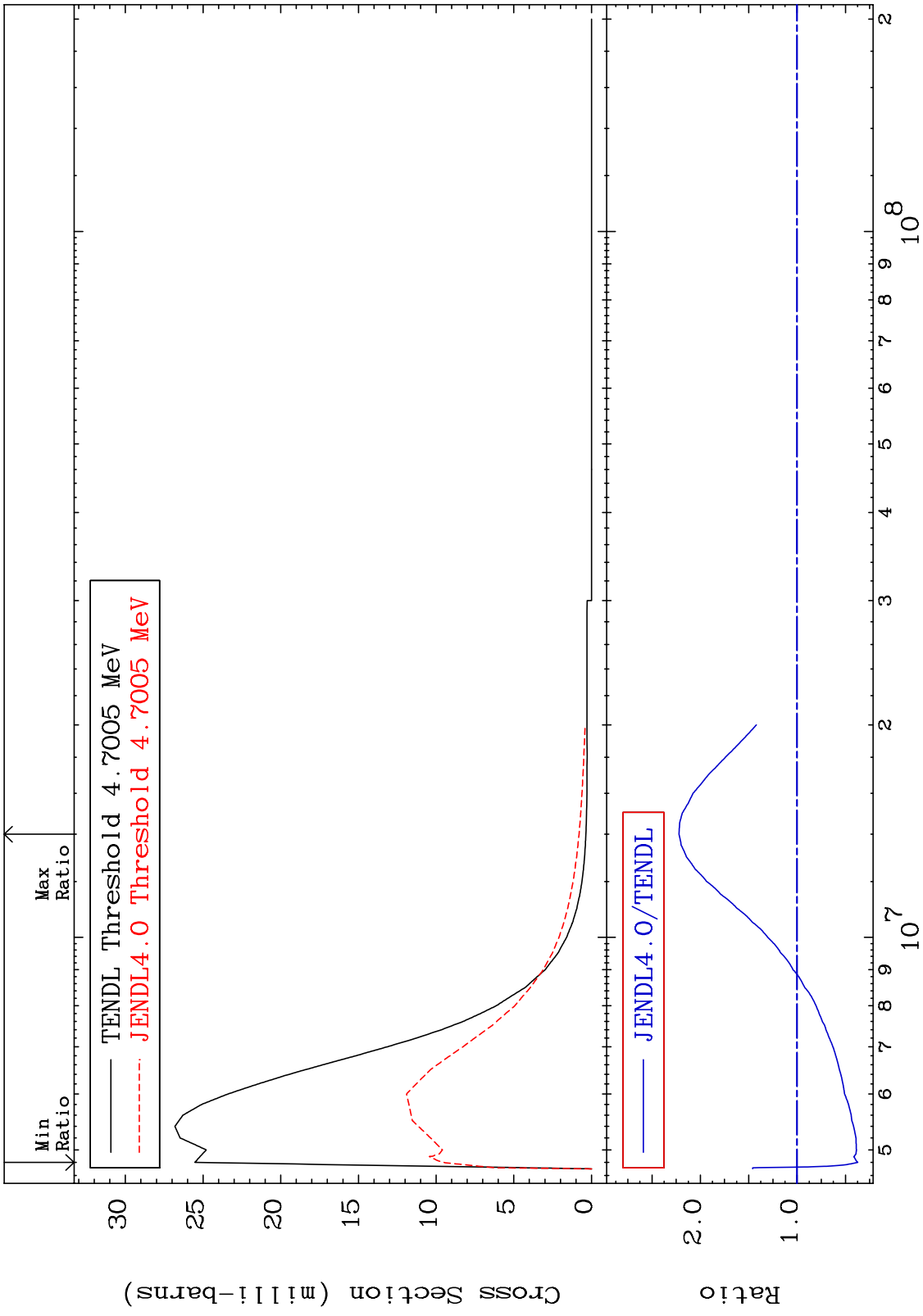
24-Cr-52
-33.73 To 1238. %



MAT 2431 MT= 68 (n,n') Level Cross Section -52.33 To 169.7 % 24-Cr-52



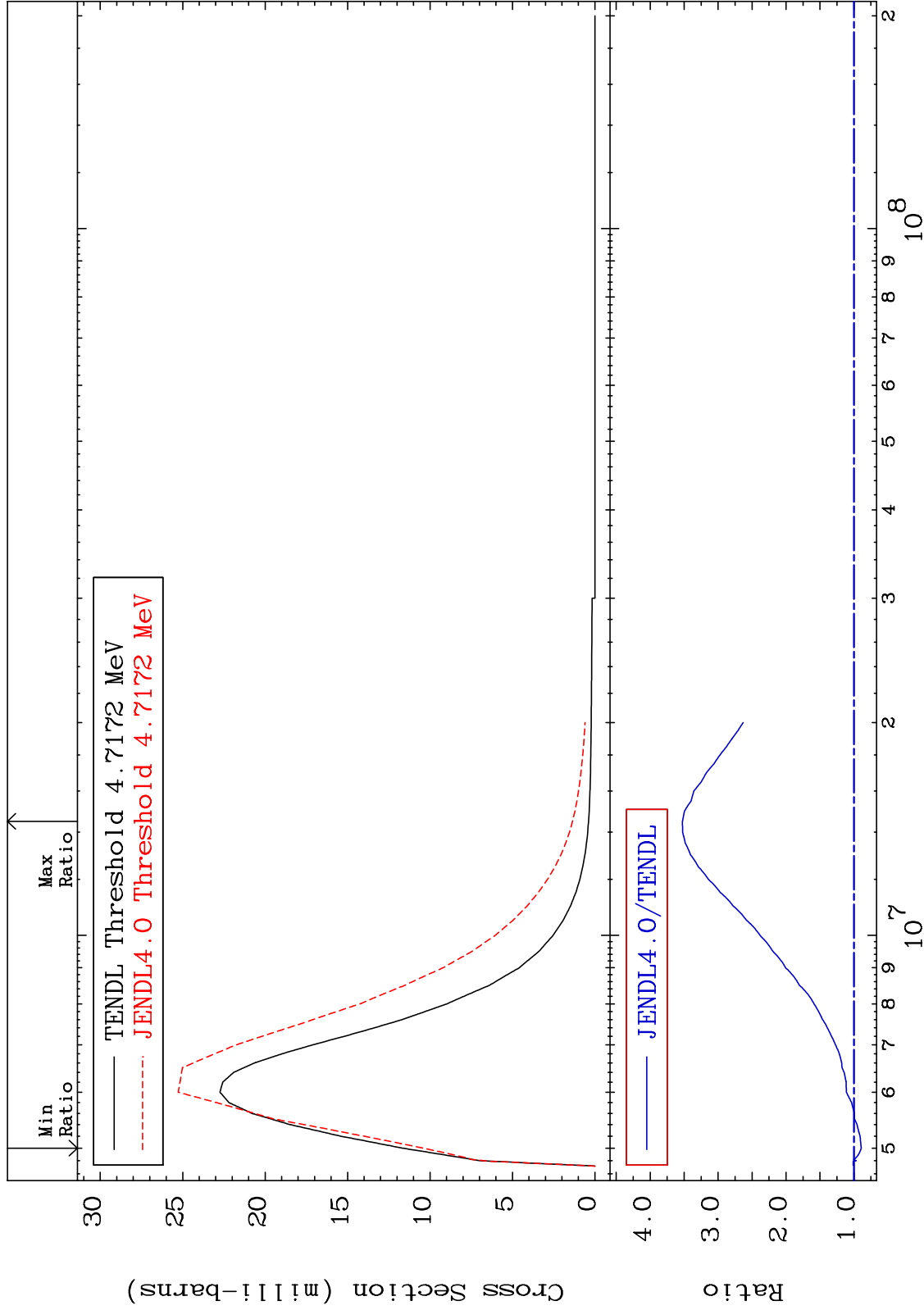
MAT 2431 MT= 69 (n,n') Level Cross Section 24-Cr-52
 -62.80 To 122.0 %



MAT 2431

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

24-Cr-52
-10.85 To 252.4 %



26

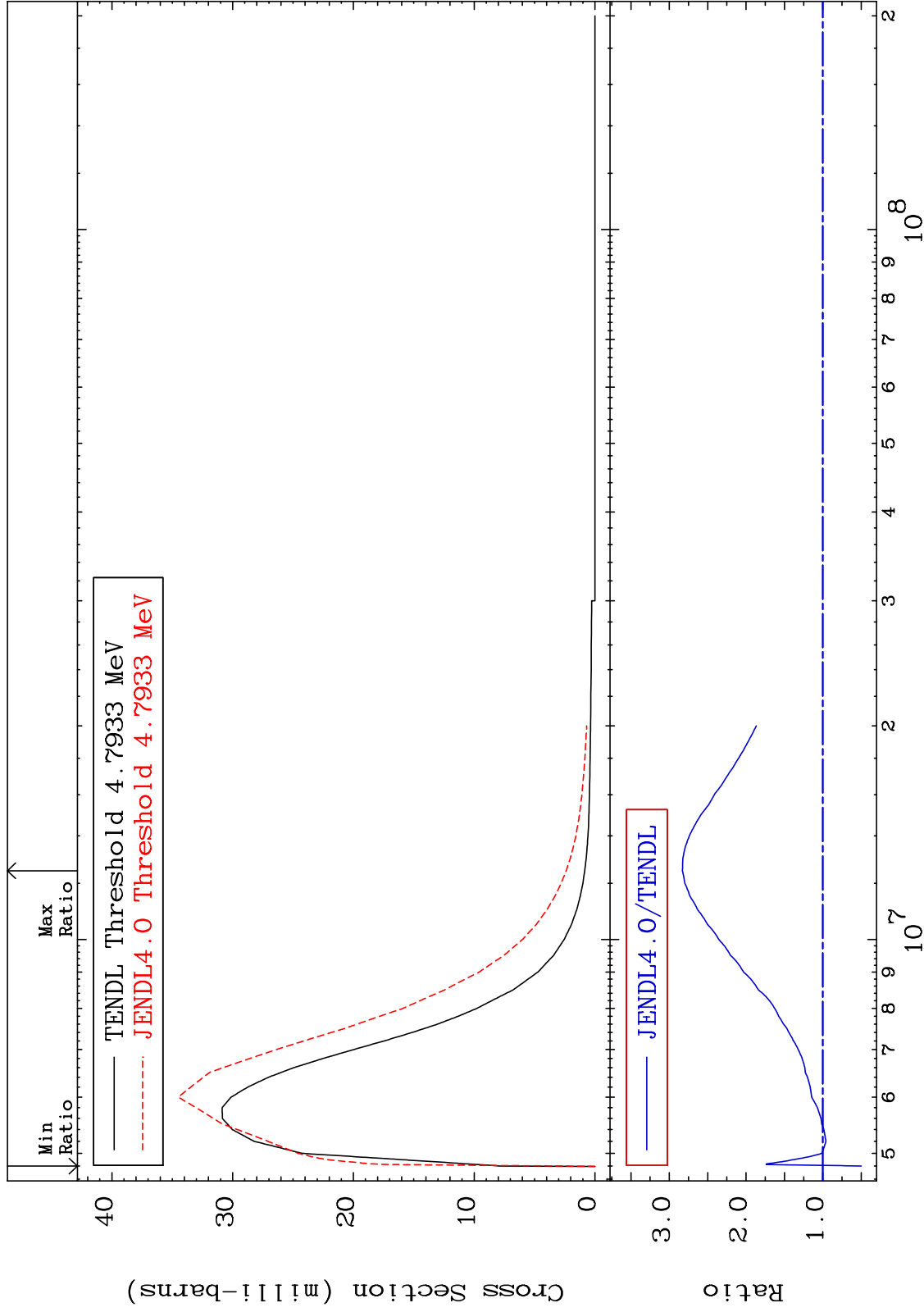
Incident Energy (eV)

24-Cr-52

MAT 2431

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

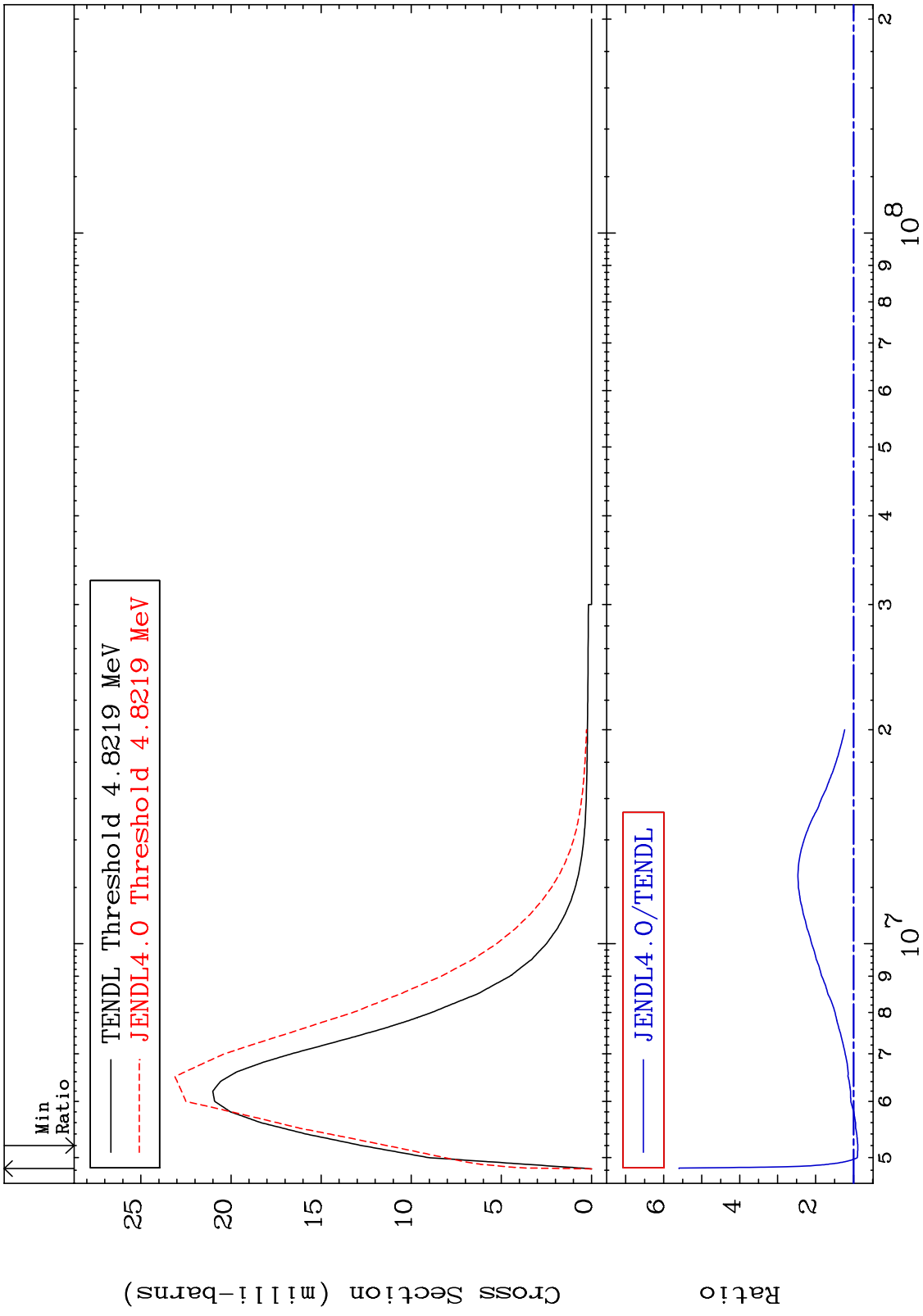
24-Cr-52
-50.11 To 182.9 %



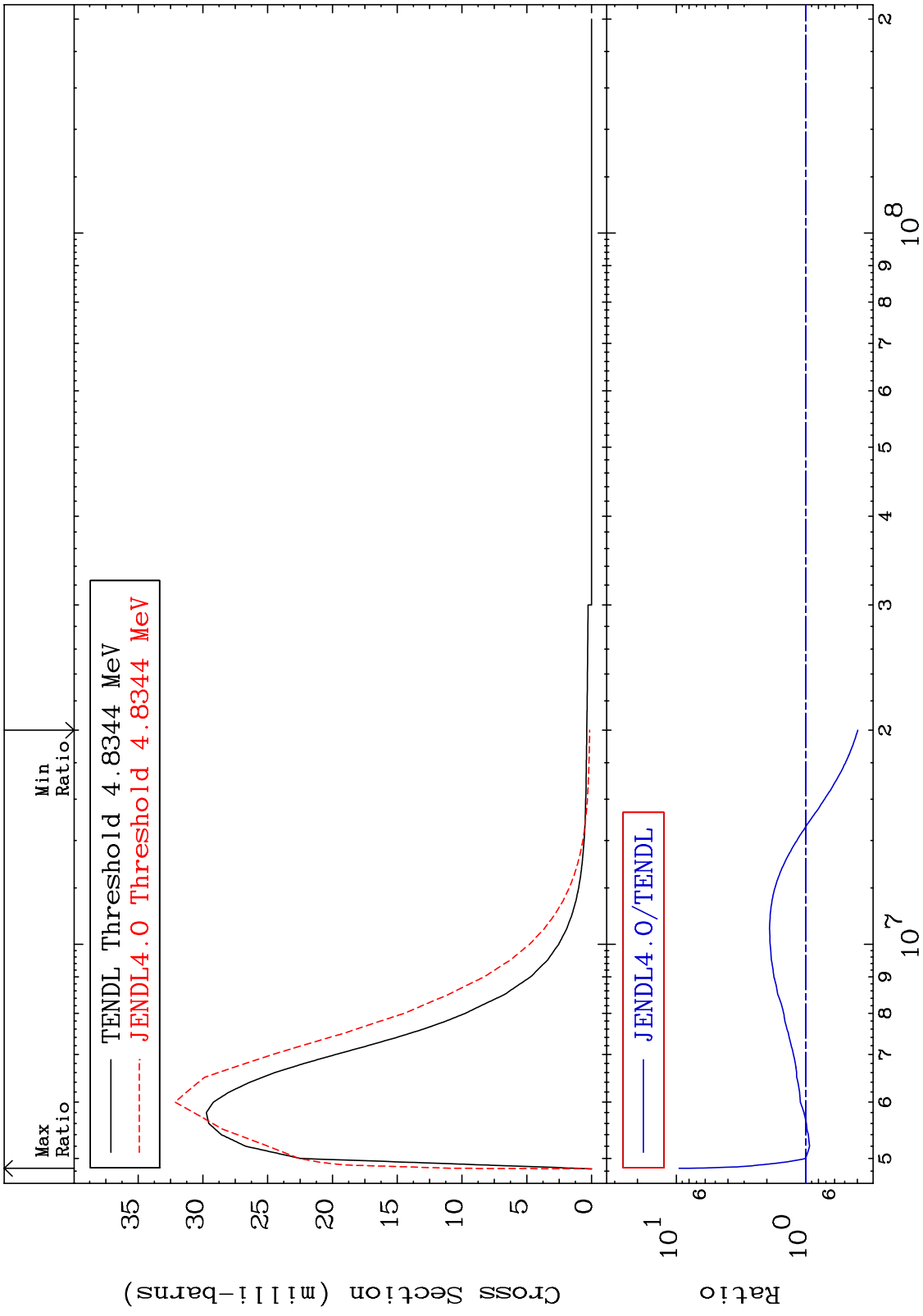
27

24-Cr-52

MAT 2431 MT= 72 (n,n') Level Cross Section -11.00 To 459.5 % 24-Cr-52



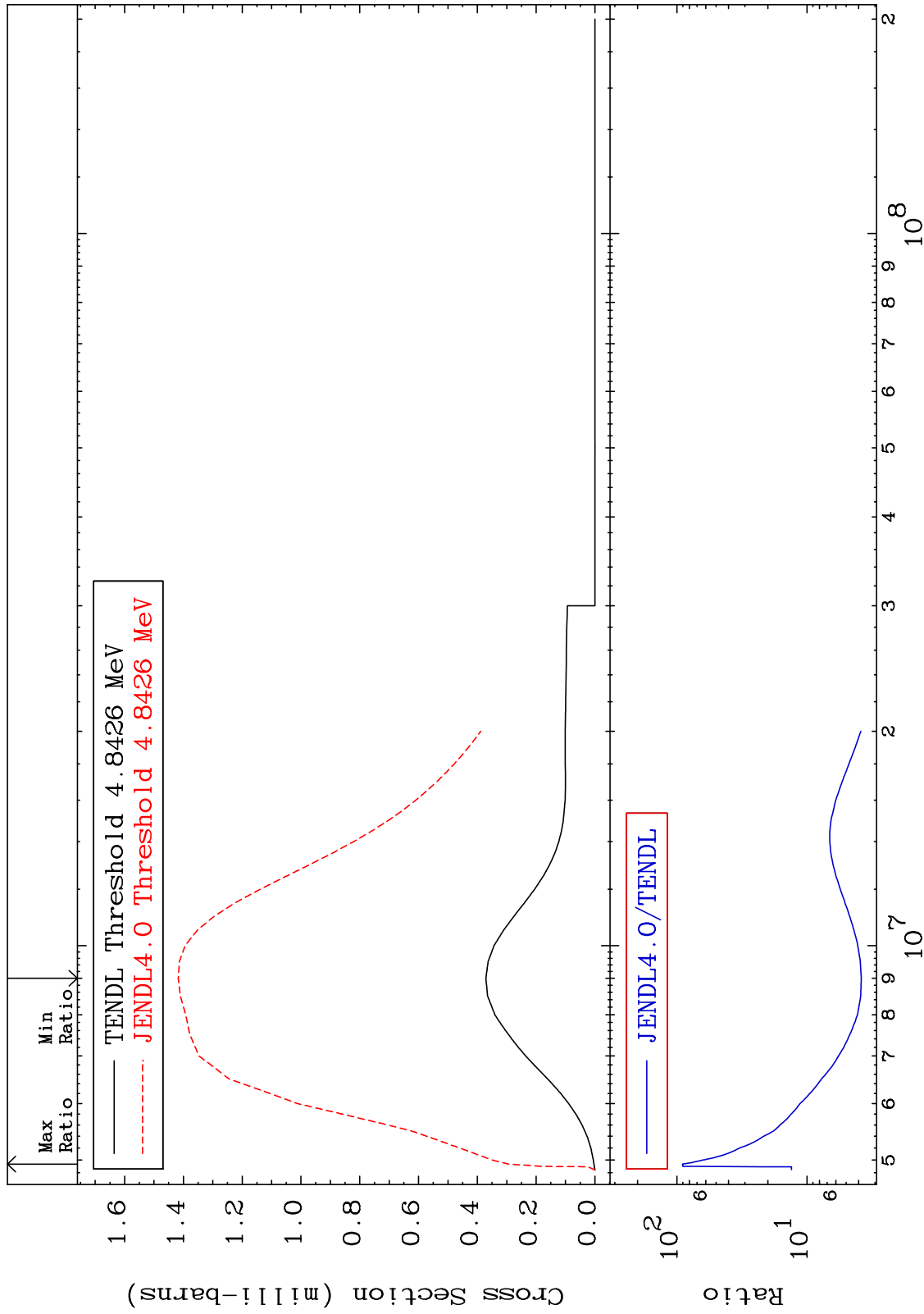
MAT 2431 MT= 73 (n,n') Level Cross Section 24-Cr-52
 -60.38 To 854.0 %



MAT 2431

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

24-Cr-52
282.2 To 8952. %

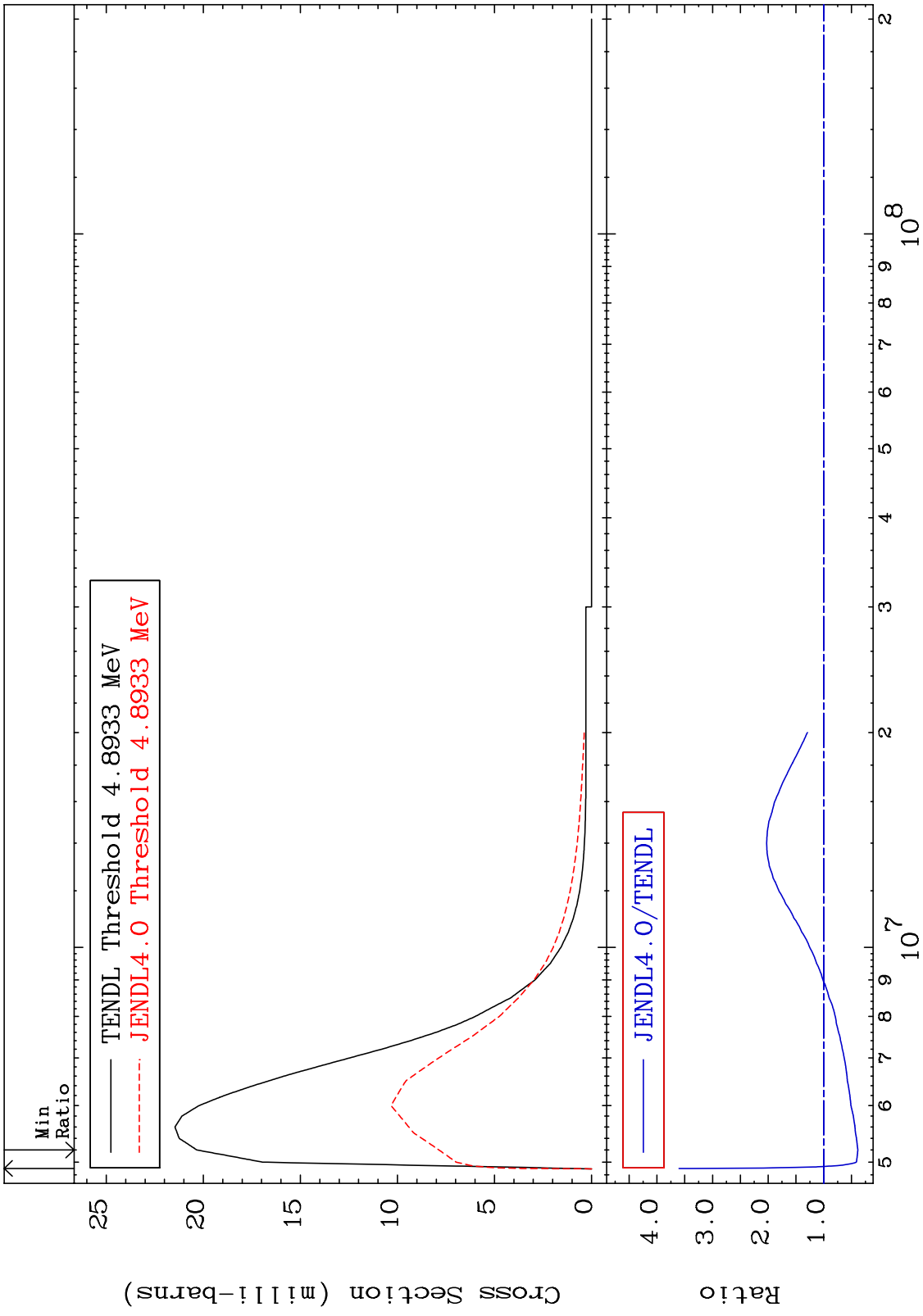


30

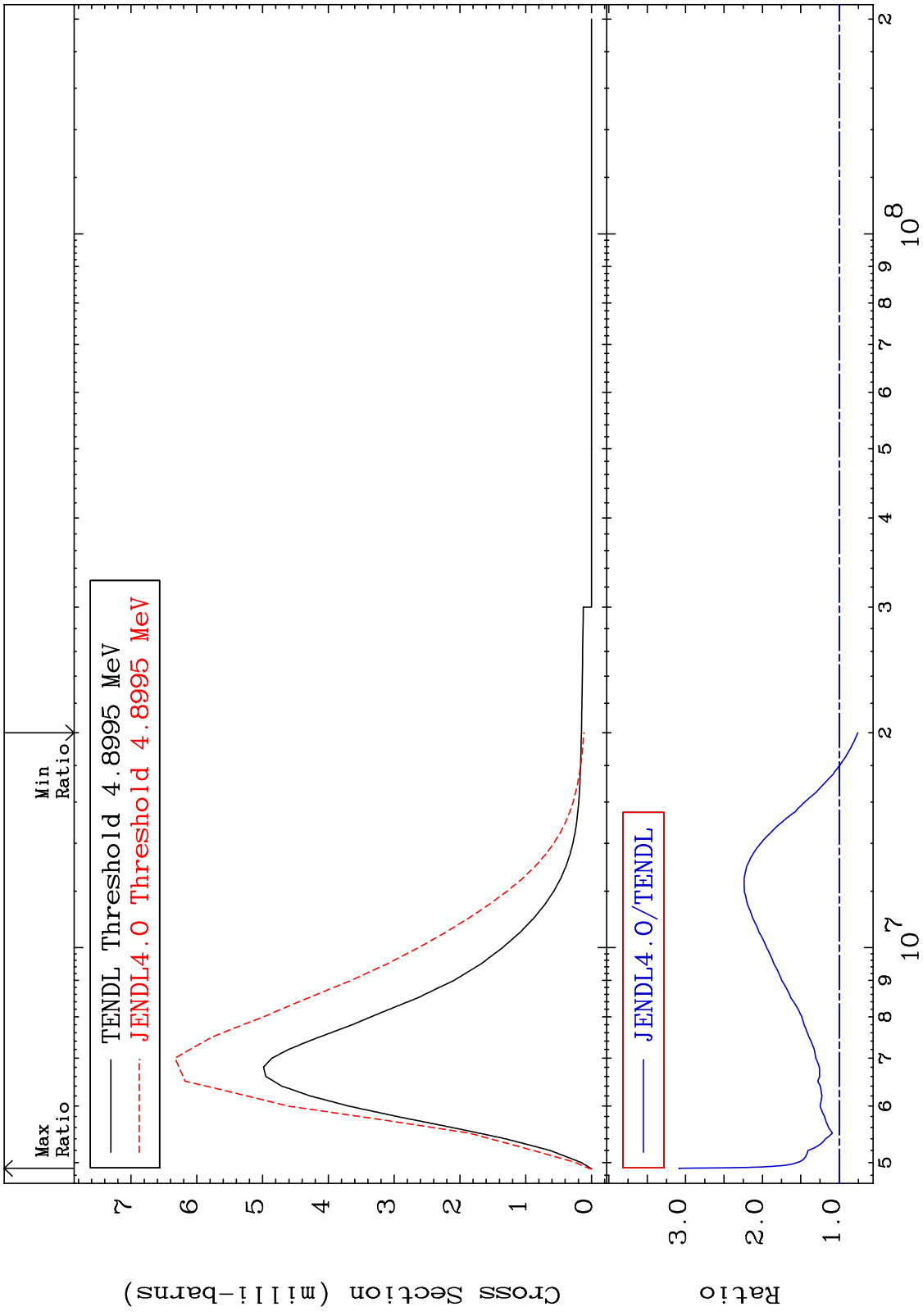
Incident Energy (eV)

24-Cr-52

MAT 2431 MT= 75 (n,n') Level Cross Section -61.35 To 260.2 % 24-Cr-52



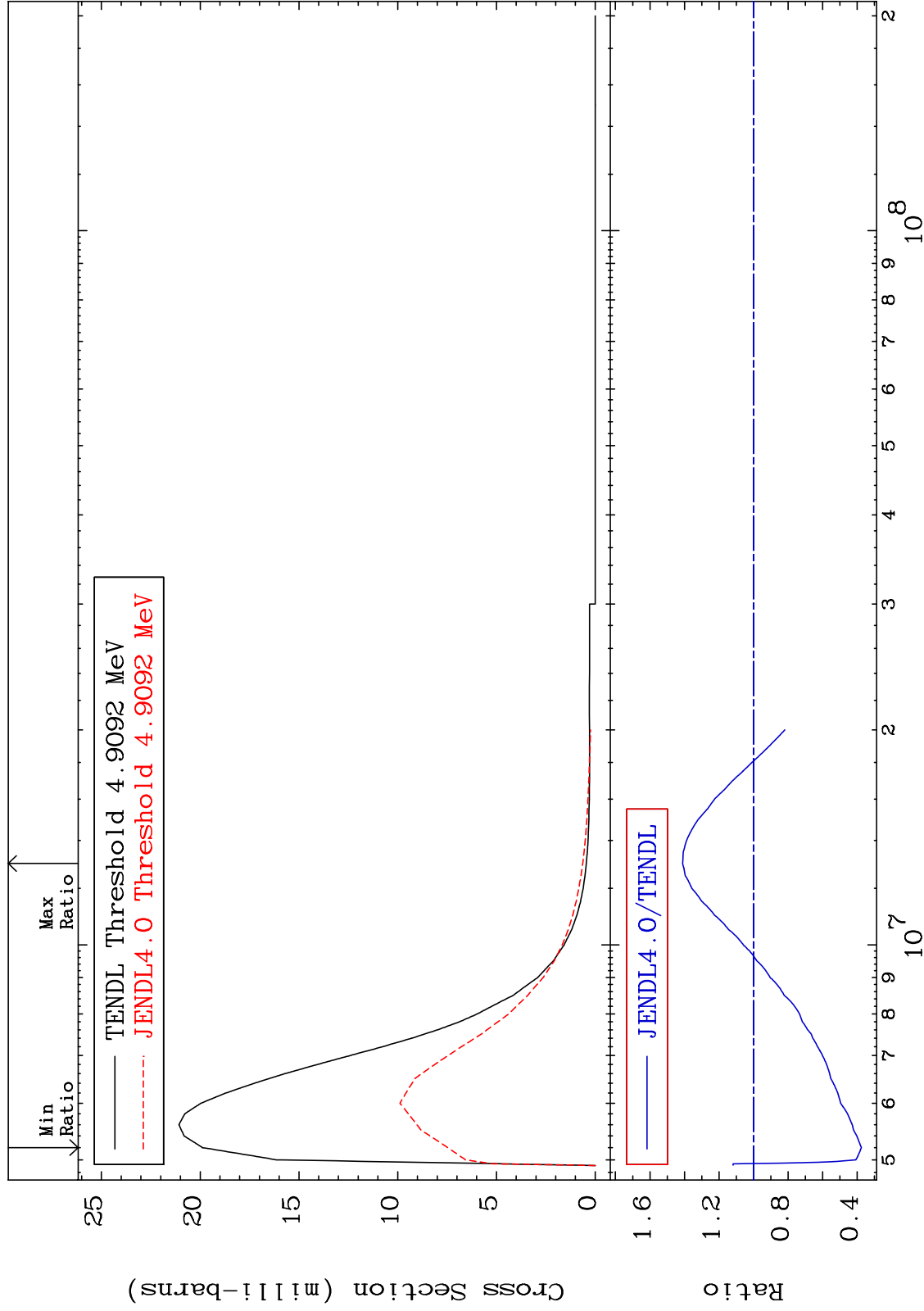
MAT 2431 MT= 76 (n,n') Level Cross Section -24.30 To 208.6 % 24-Cr-52



MAT 2431

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

24-Cr-52
-62.44 To 41.05 %

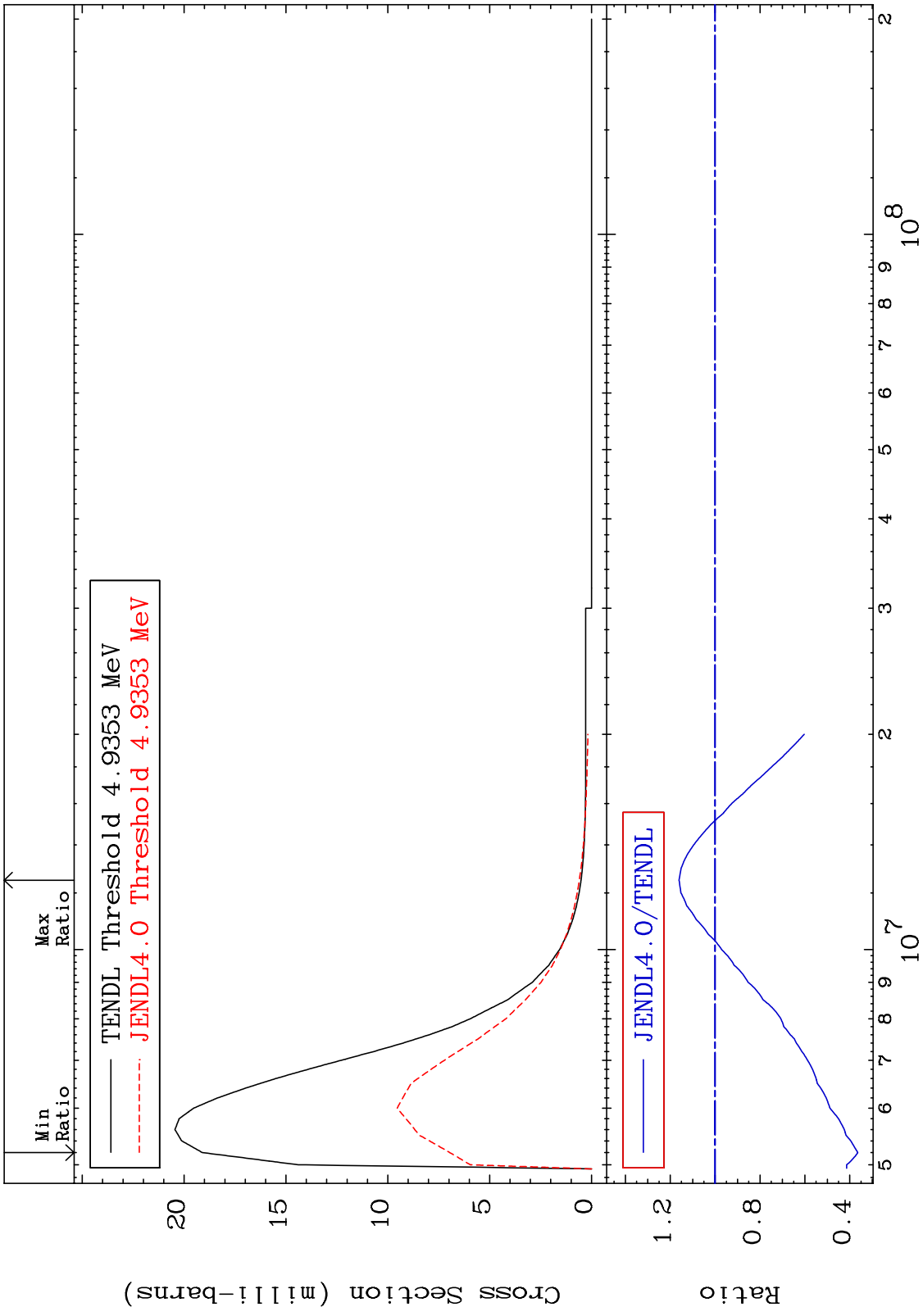


33

Incident Energy (eV)

24-Cr-52

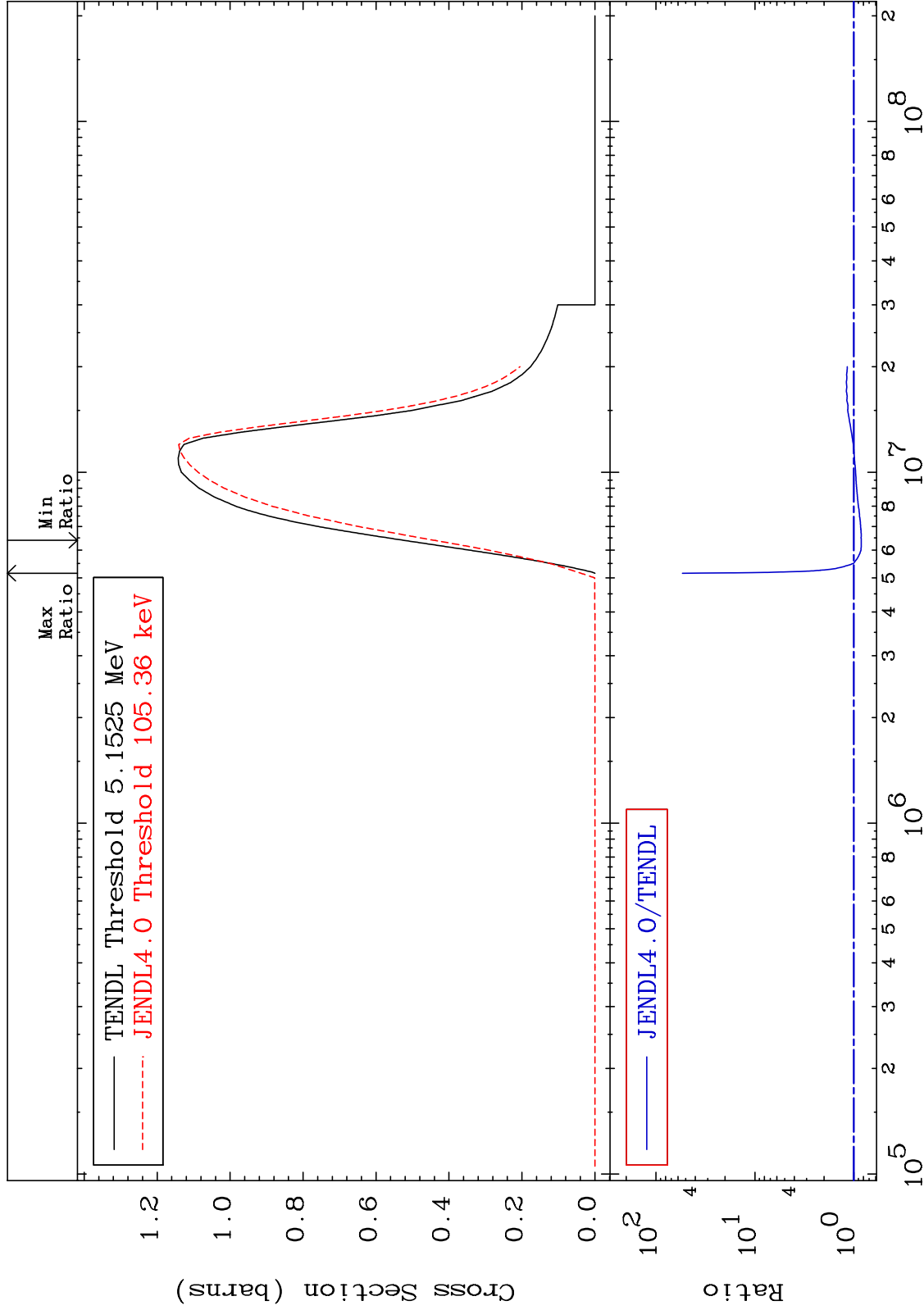
MAT 2431 MT= 78 (n,n') Level Cross Section -63.59 To 16.06 % 24-Cr-52



MAT 2431

(n, n') Continuum
Cross Section

24-Cr-52
-15.95 To 5298. %



35

Incident Energy (eV)

24-Cr-52

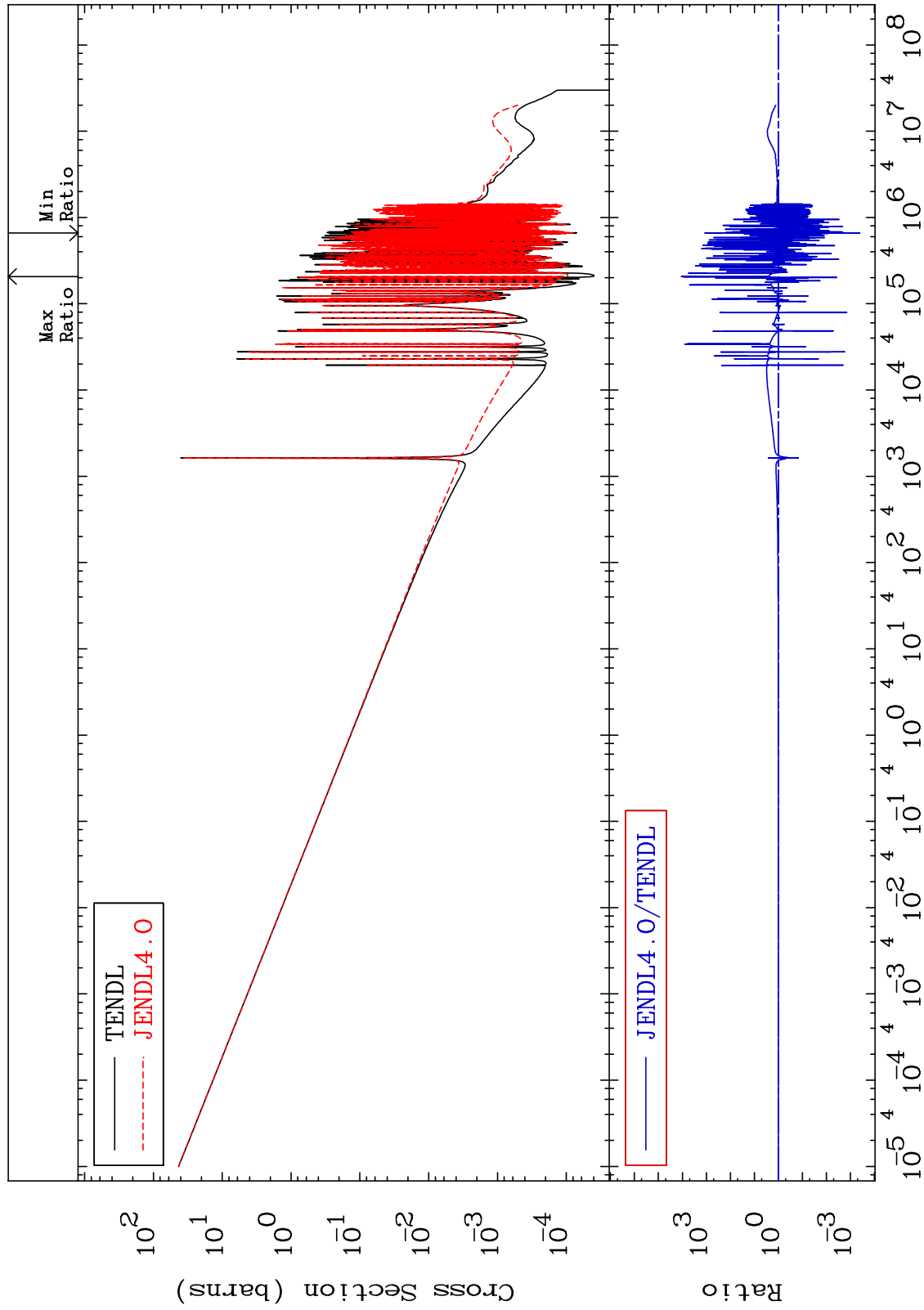
MAT 2431

(n, γ)

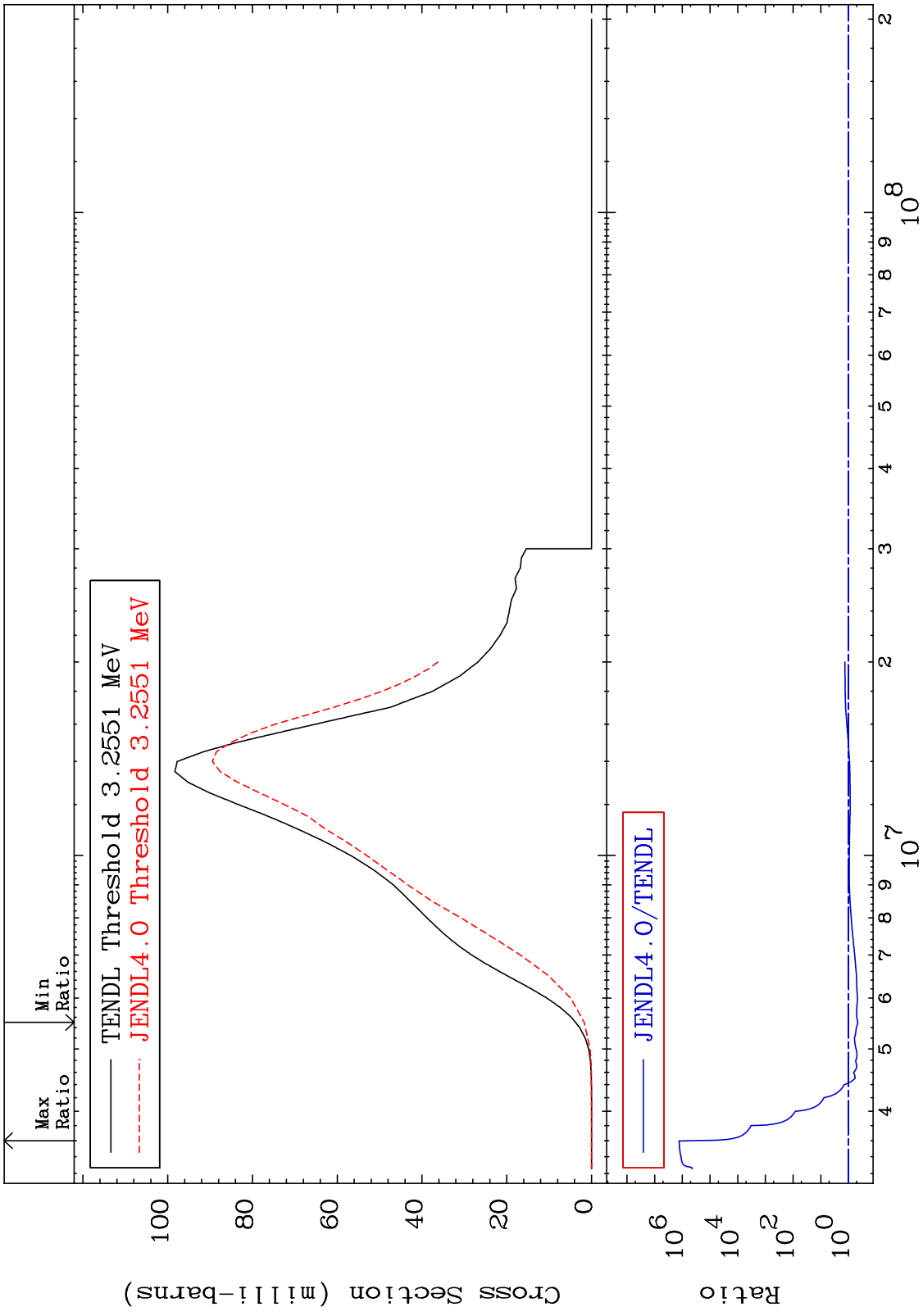
24-Cr-52

Cross Section

-99.96 To 9999. %

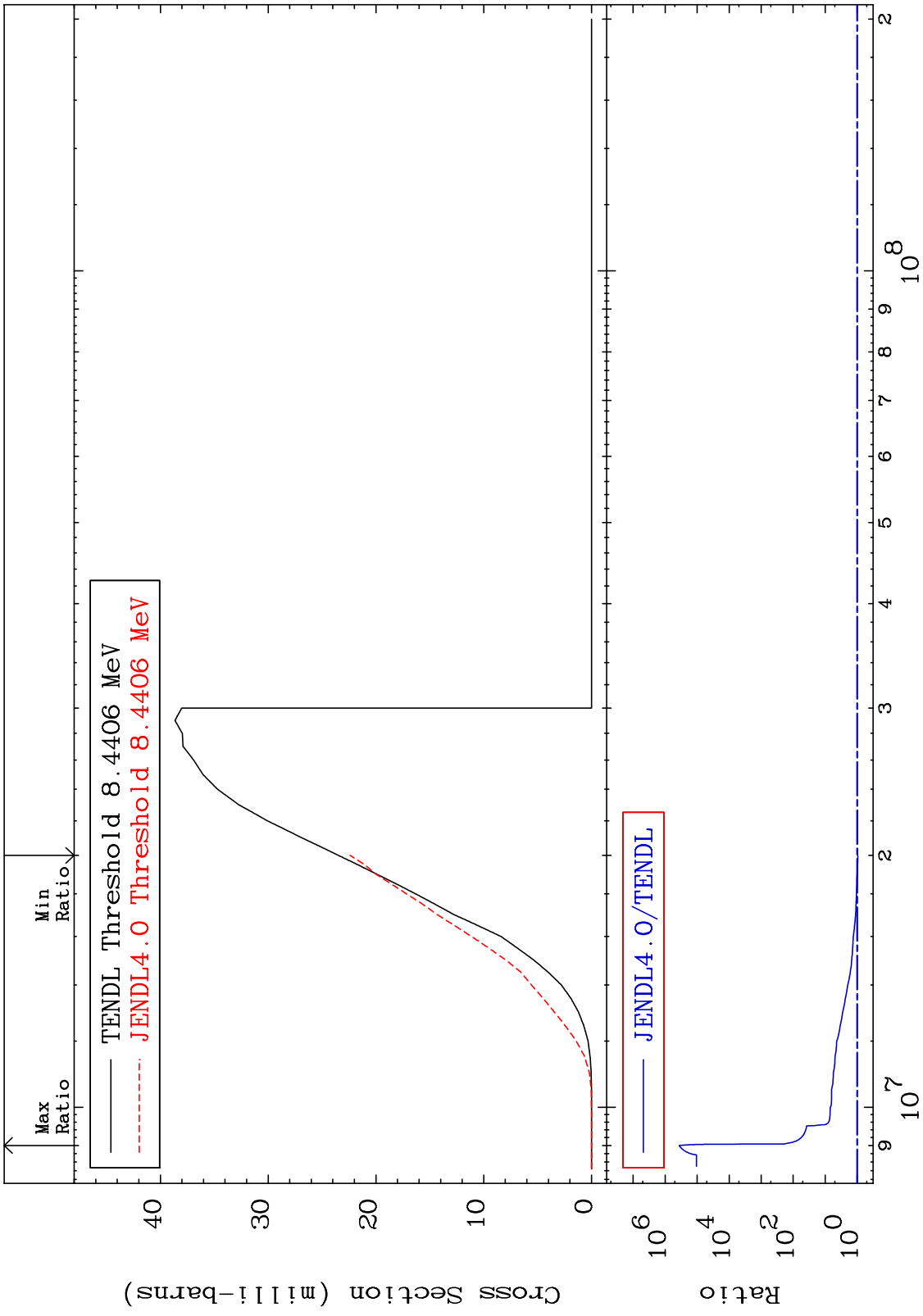


MAT 2431 (n,p) 24-Cr-52
 Cross Section -54.21 To 9999. %



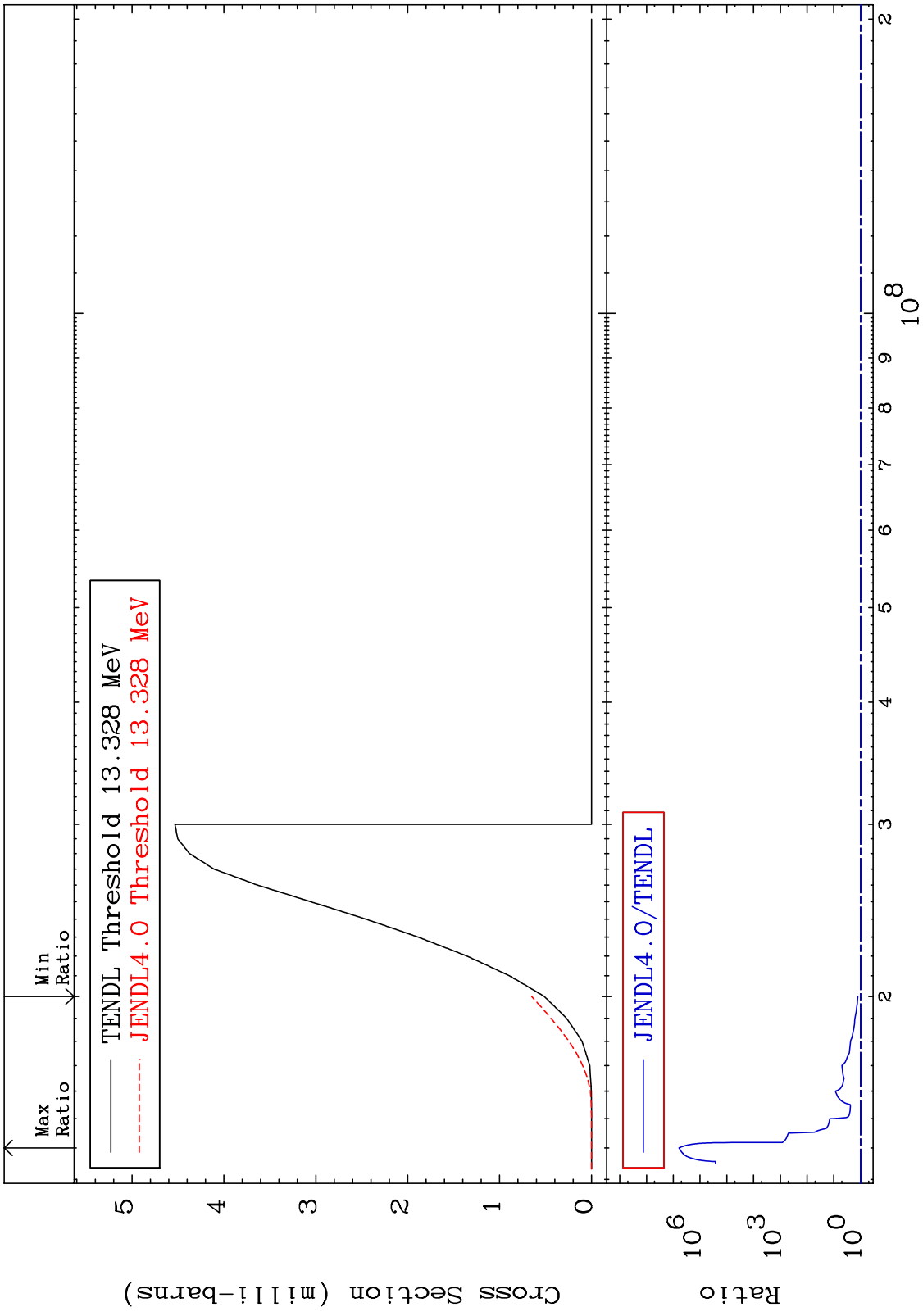
37 24-Cr-52

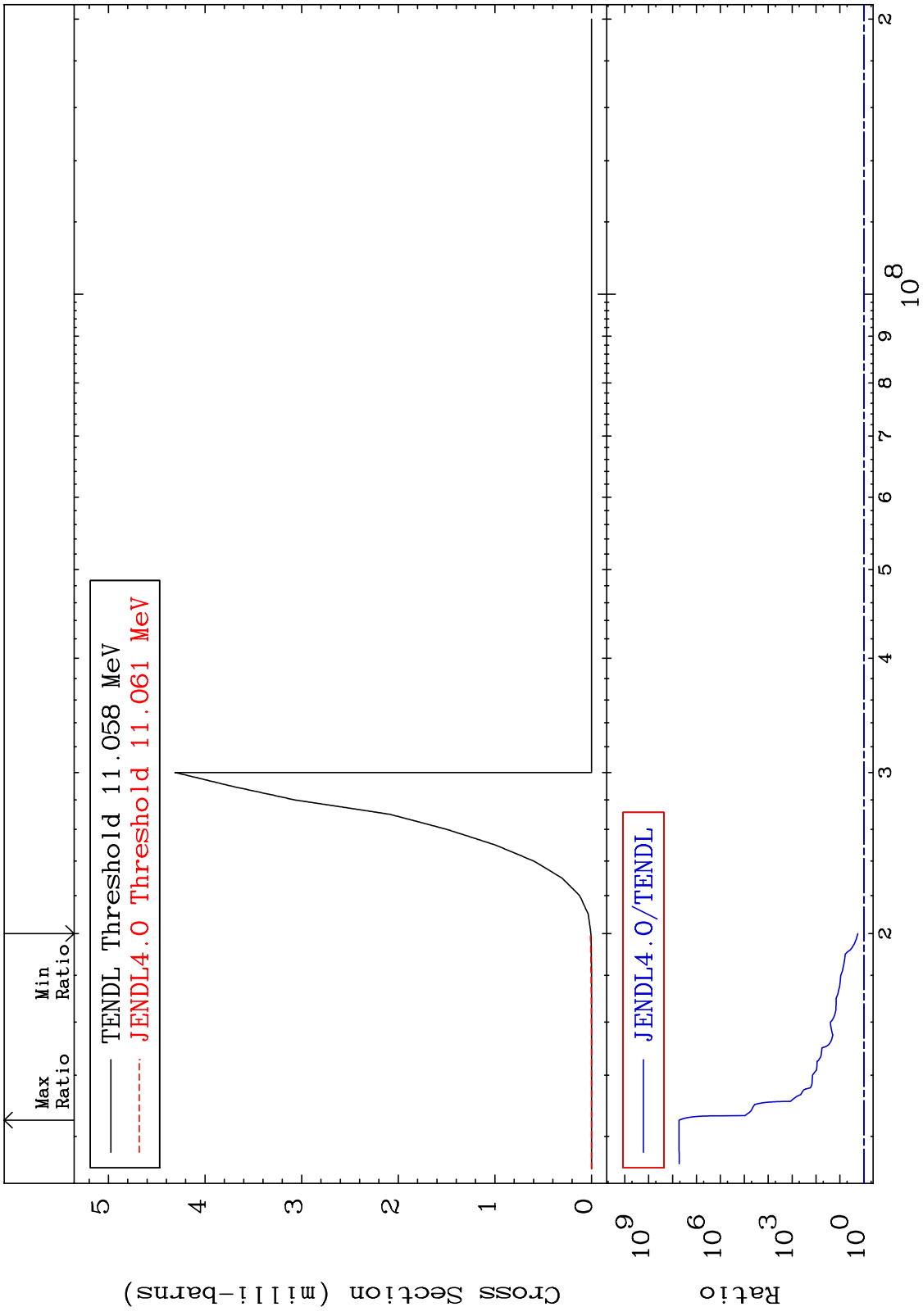
MAT 2431 (n,d) 24-Cr-52
 Cross Section -4.565 To 9999. %



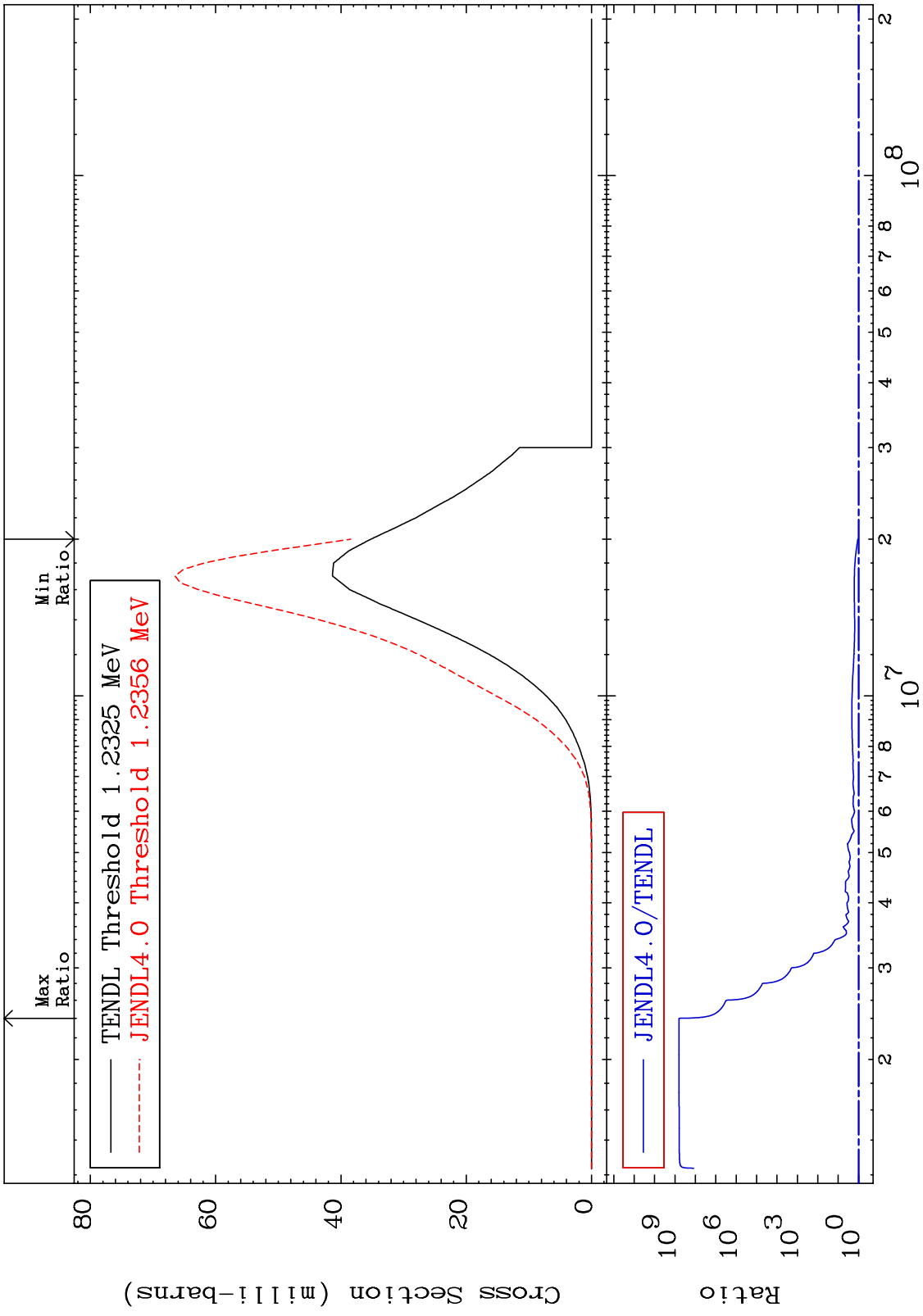
38 24-Cr-52 Incident Energy (eV)

MAT 2431 (n,t) 24-Cr-52
 Cross Section 26.76 To 9999. %

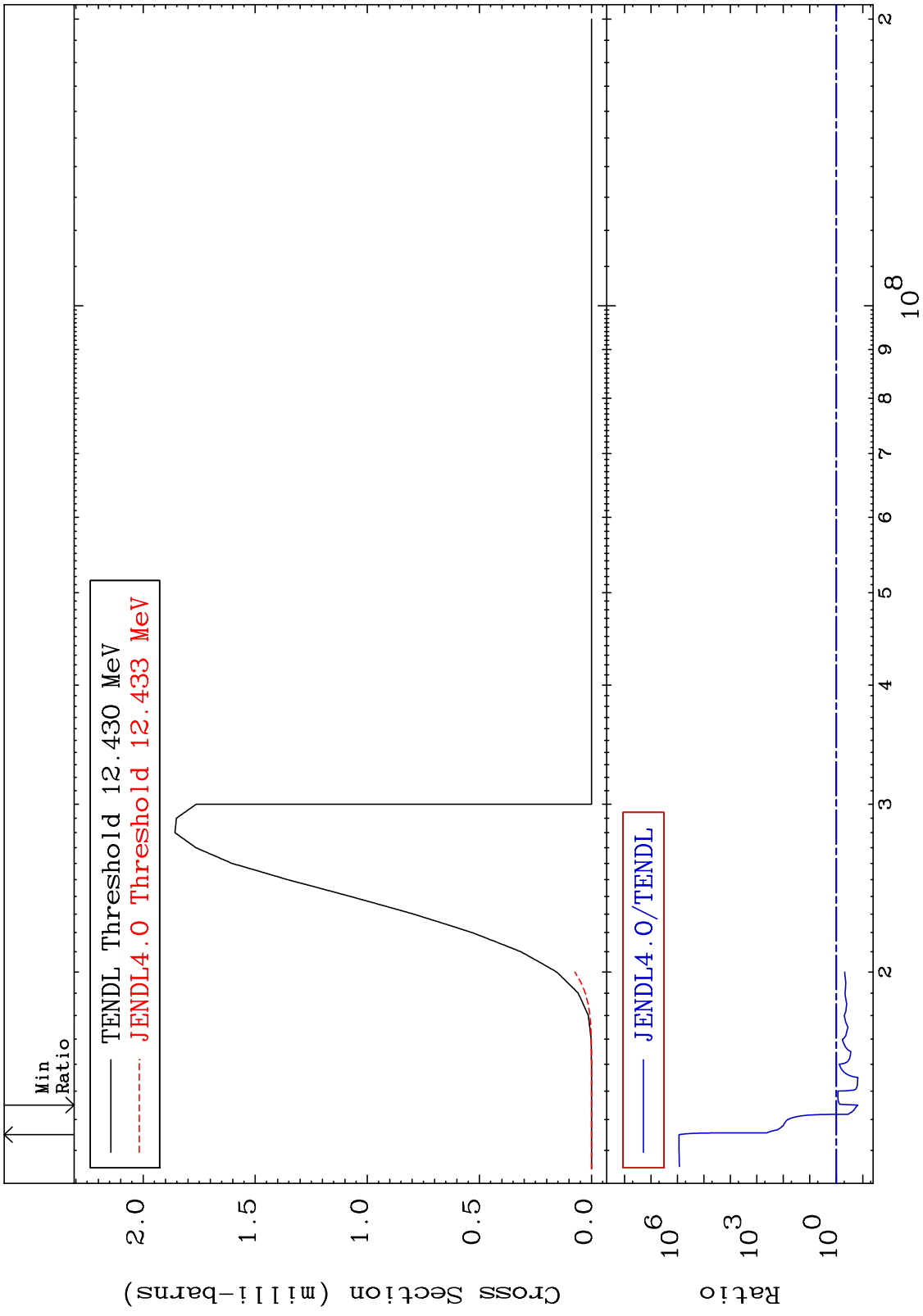




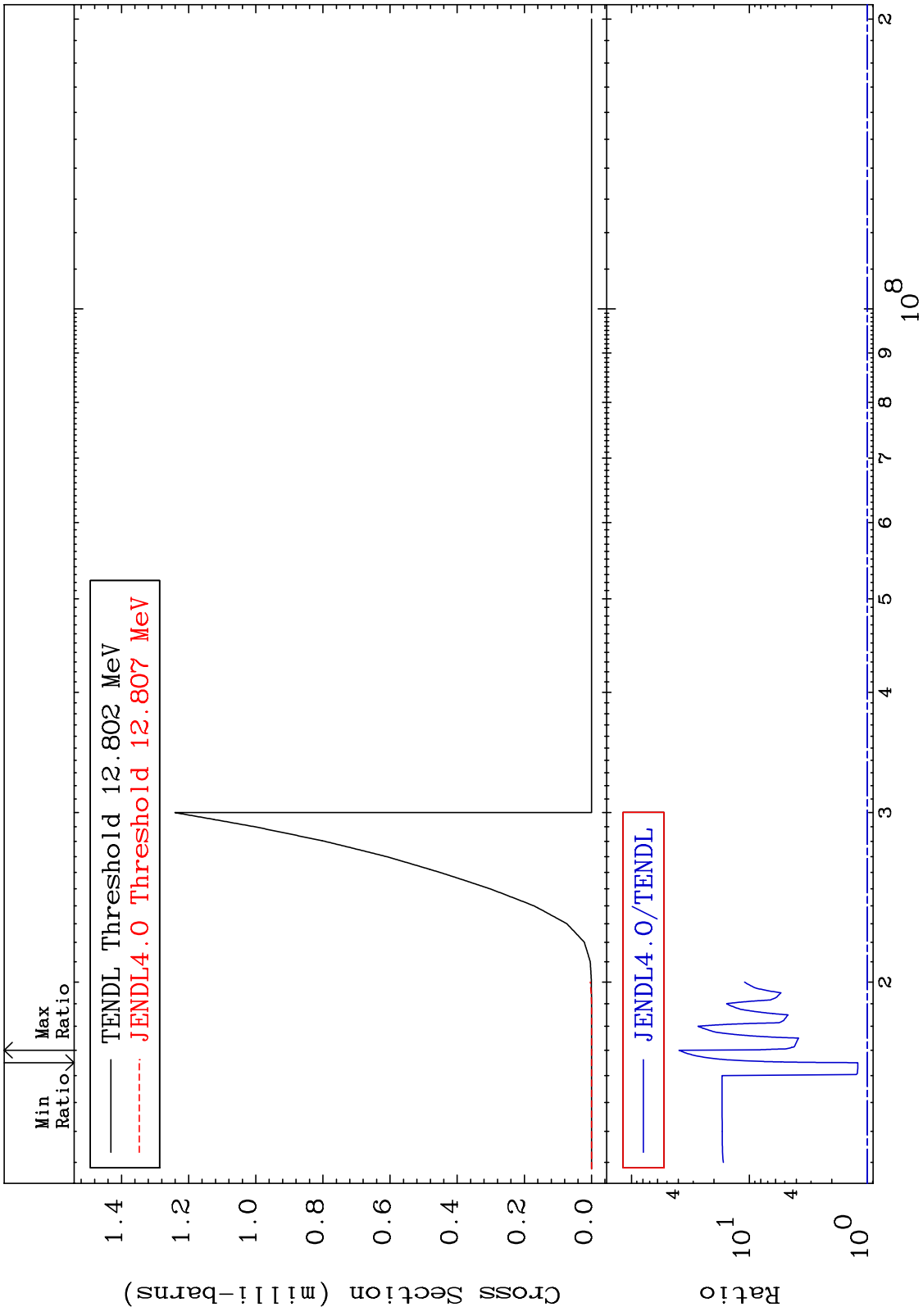
MAT 2431 (n, α) Cross Section 24-Cr-52 To 9999. %



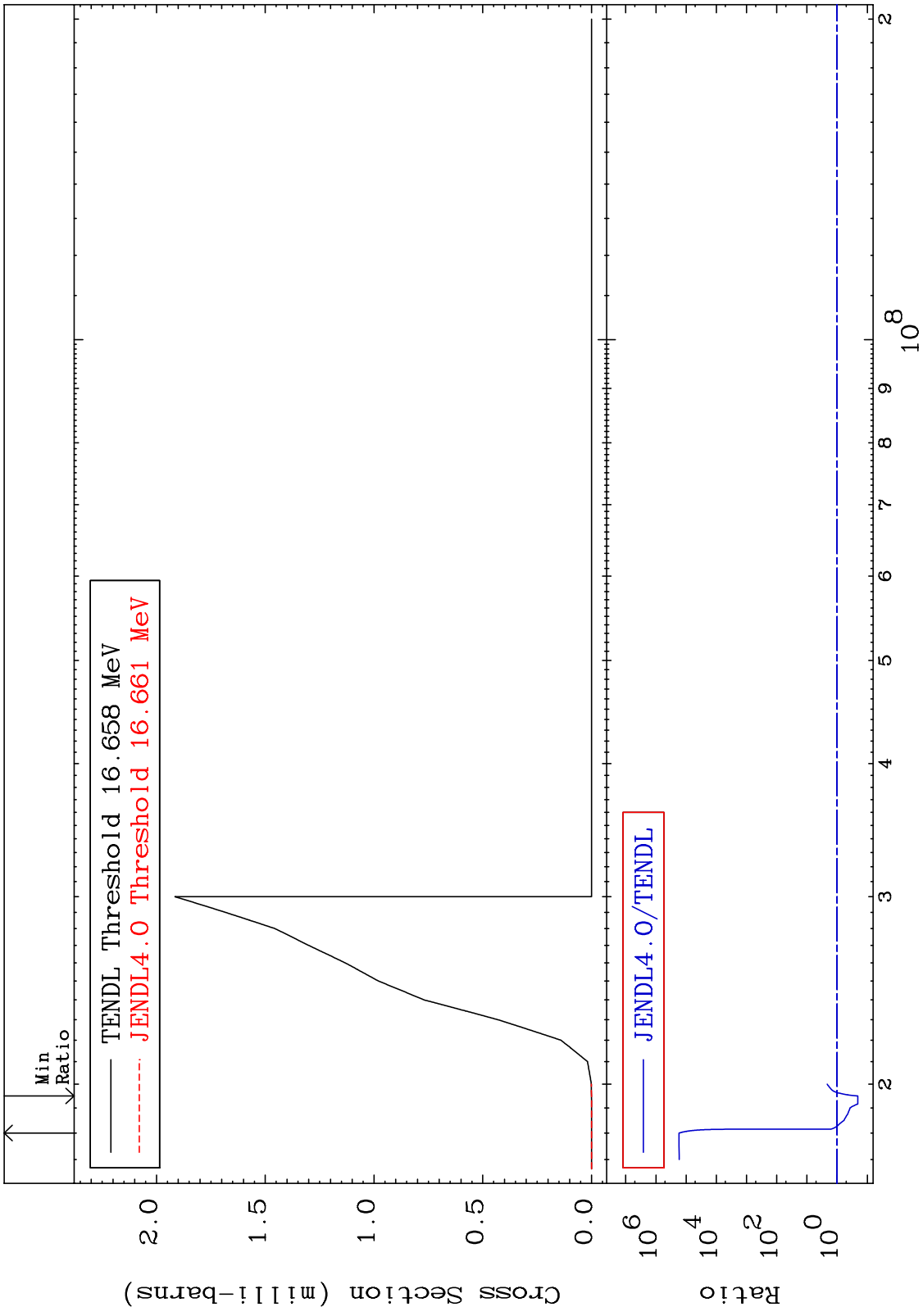
MAT 2431 (n,2p) 24-Cr-52
 Cross Section -84.72 To 9999. %



MAT 2431 (n,p) α 24-Cr-52
 Cross Section 20.30 To 3848. %



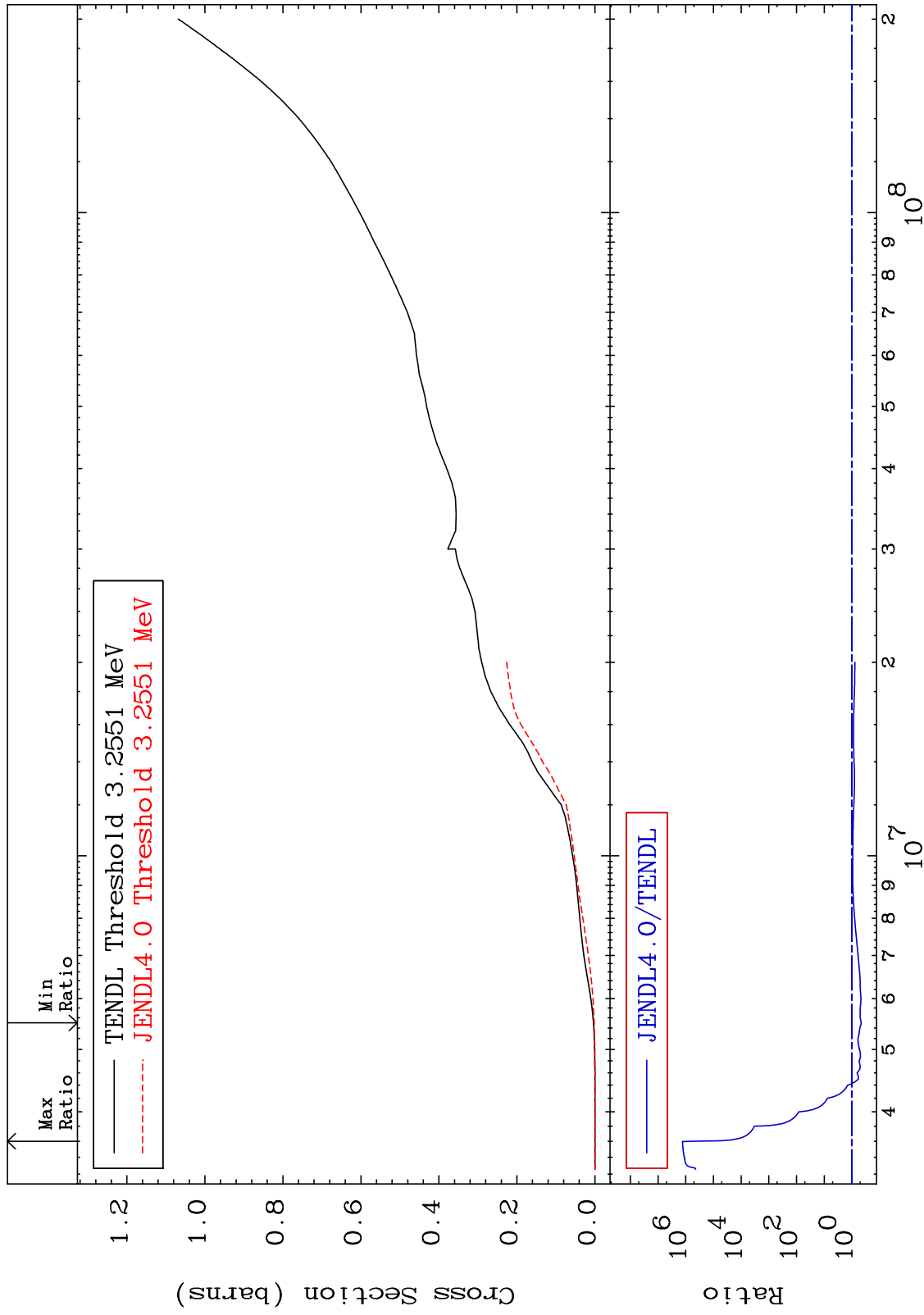
MAT 2431 (n,p) d 24-Cr-52
 Cross Section -79.40 To 9999. %



MAT 2431

Hydrogen Production
Cross Section

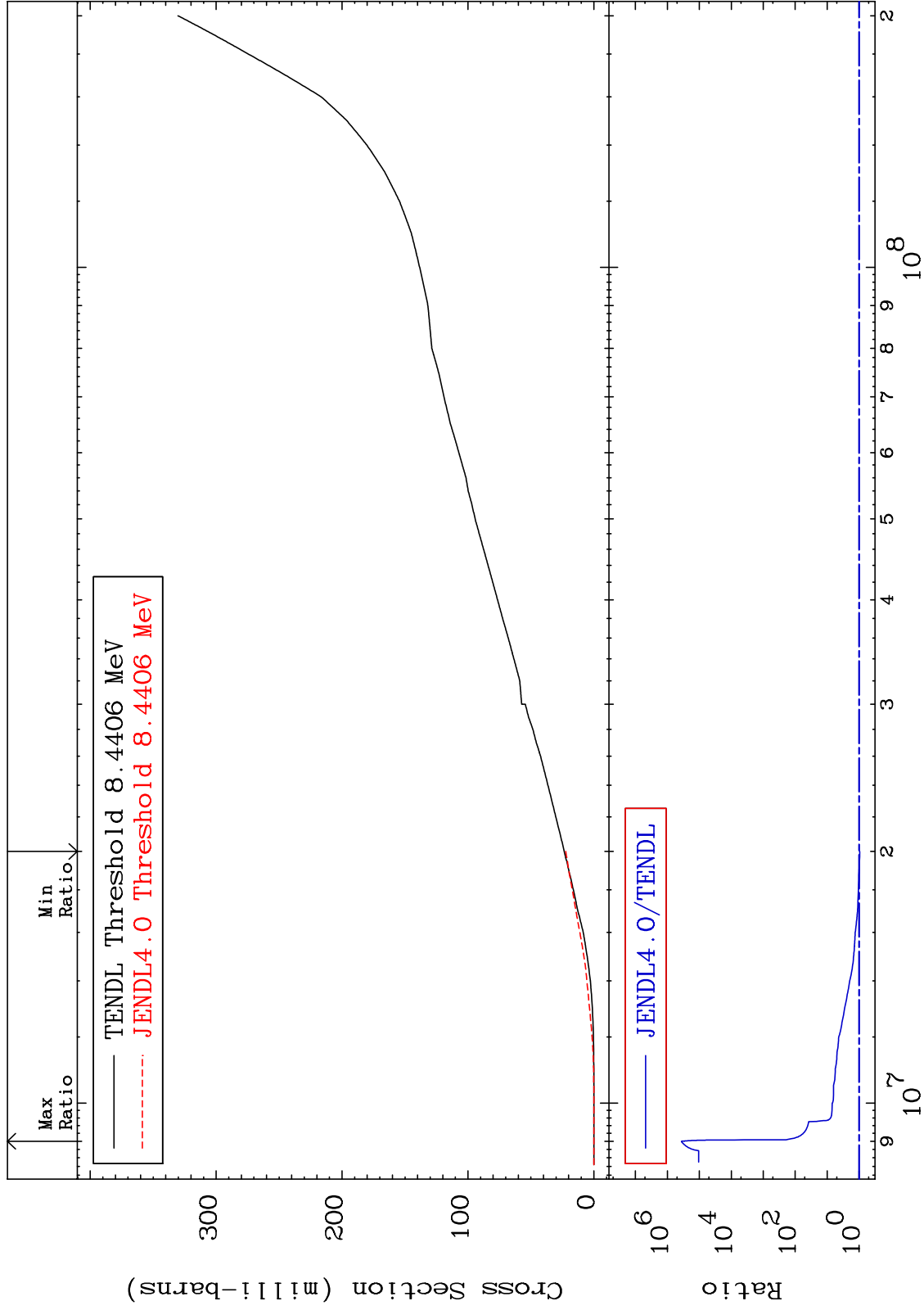
24-Cr-52
-54.21 To 9999. %



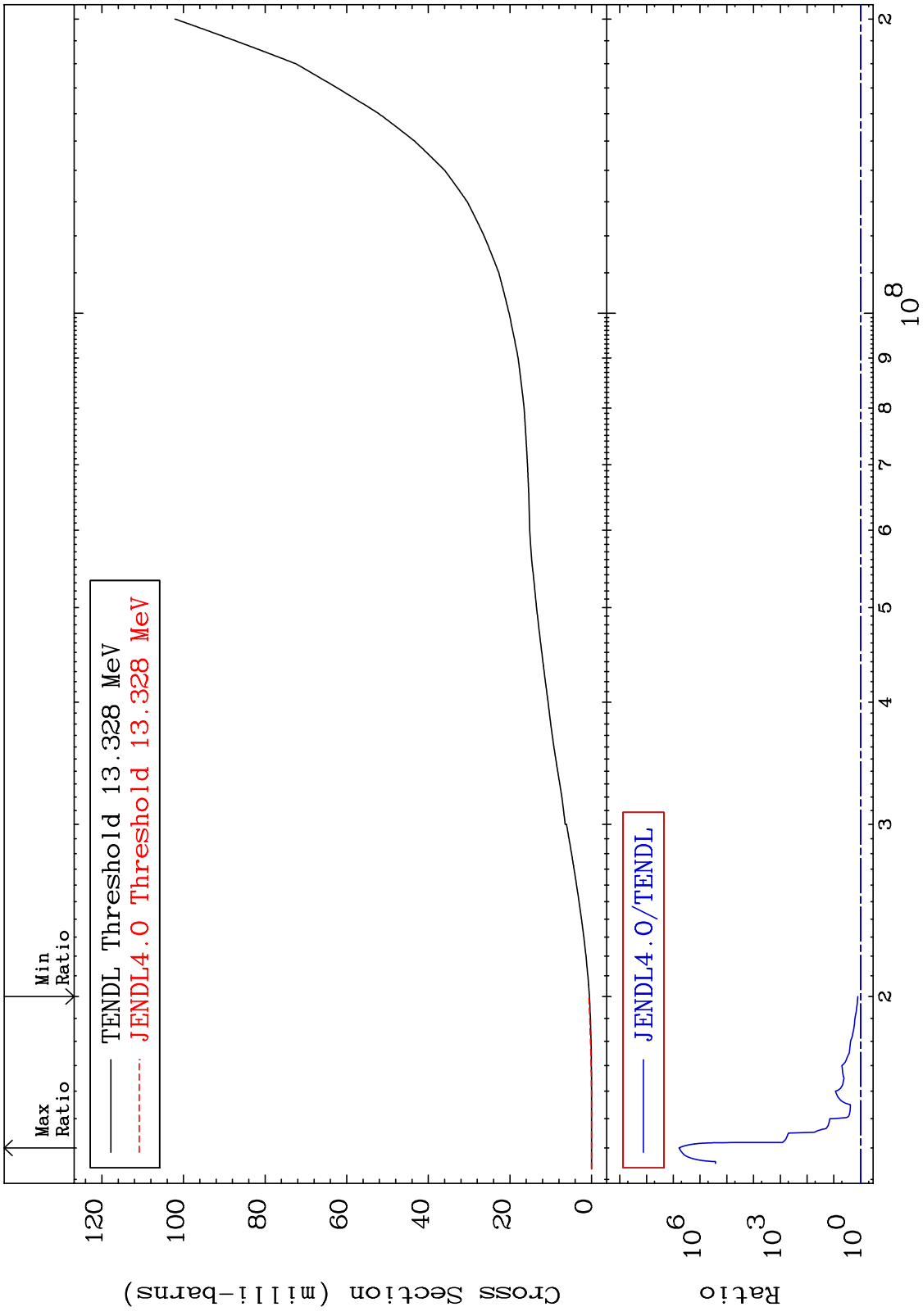
MAT 2431

Deuterium Production
Cross Section

24-Cr-52
-4.562 To 9999. %



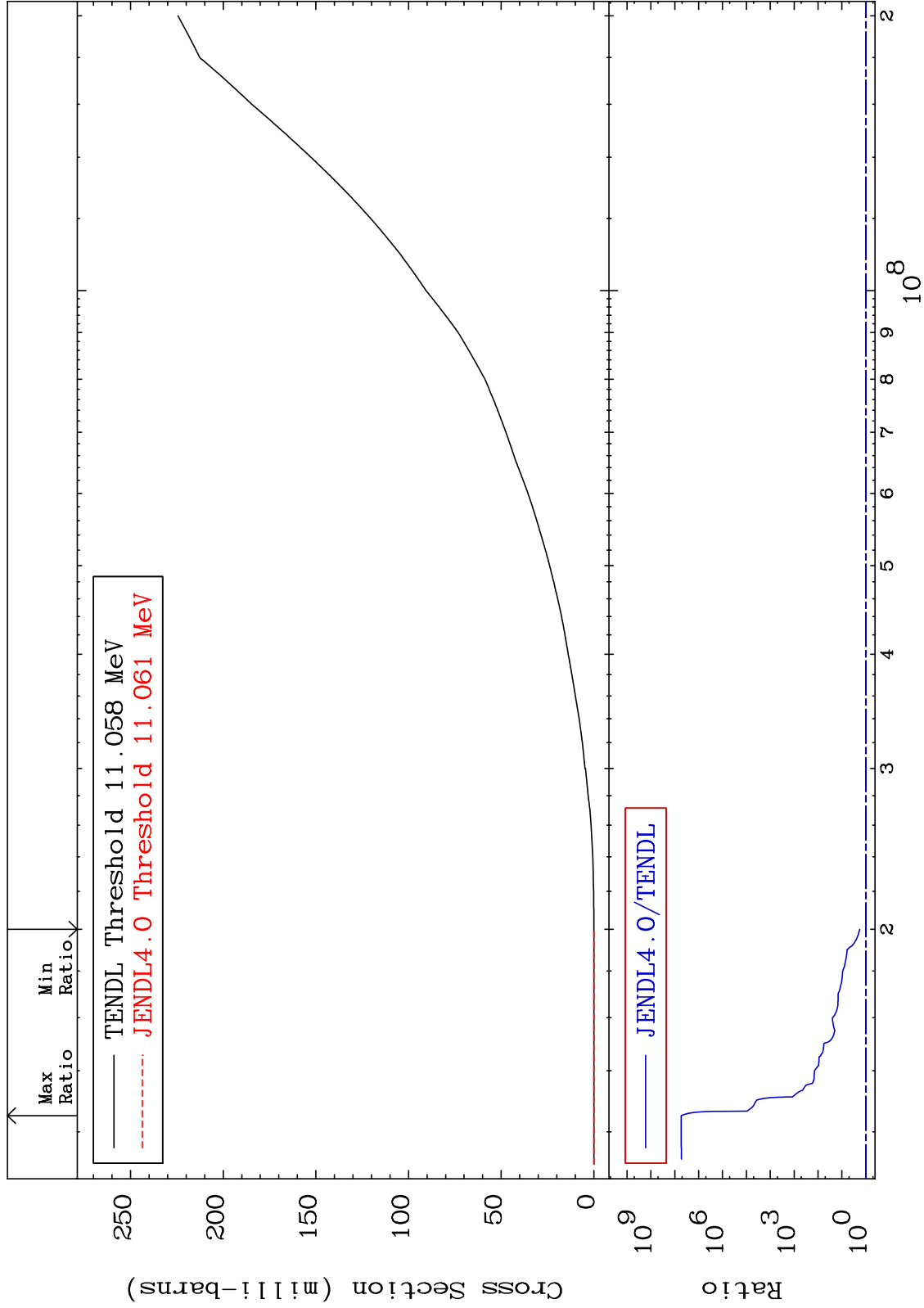
MAT 2431 Tritium Production Cross Section 24-Cr-52 26.76 To 9999. %



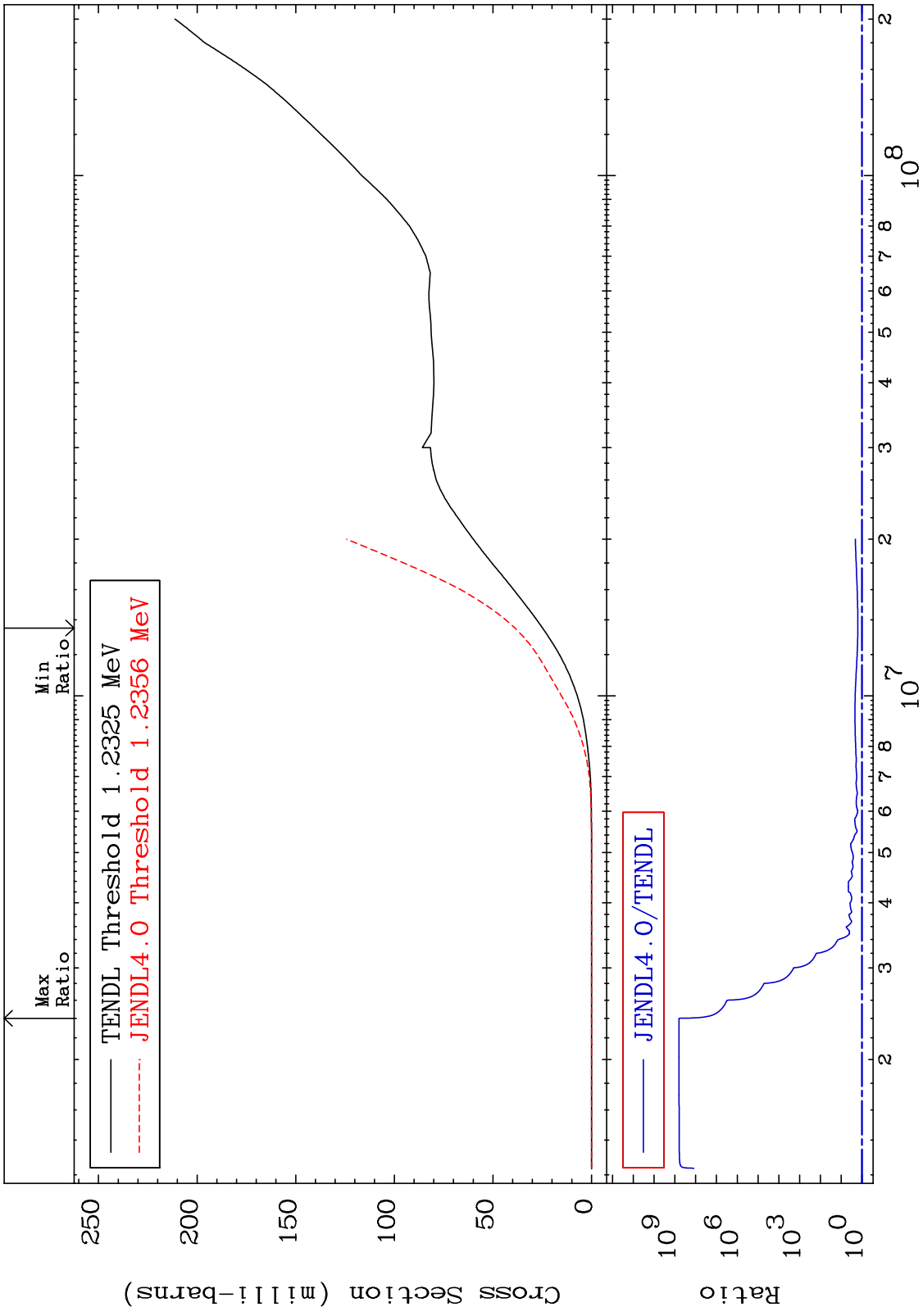
MAT 2431

He-3 Production
Cross Section

24-Cr-52
77.96 To 9999. %



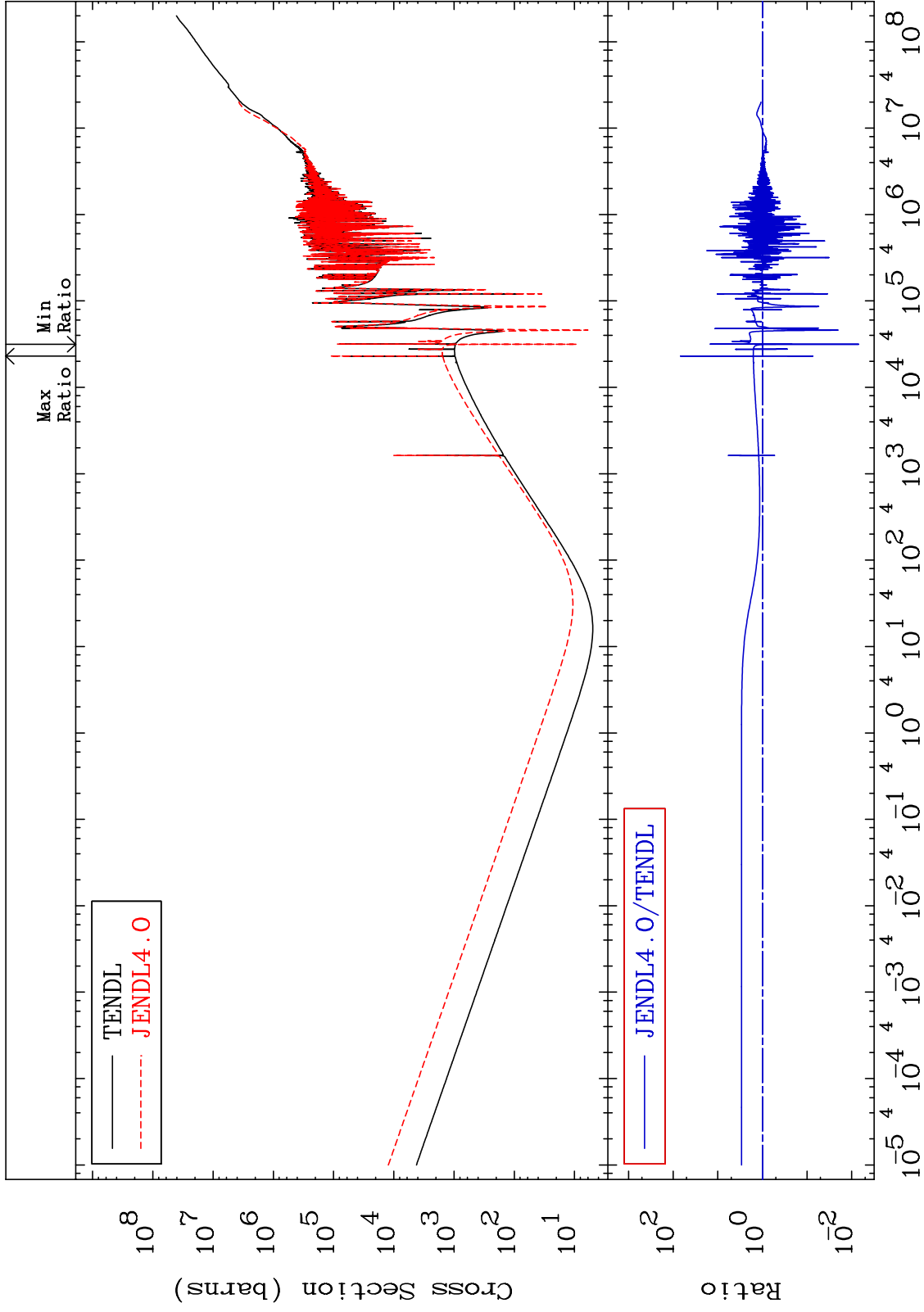
MAT 2431 He-4 Production Cross Section 24-Cr-52 To 9999. %
56.31



MAT 2431

Kerma total (eV-barns)
Cross Section

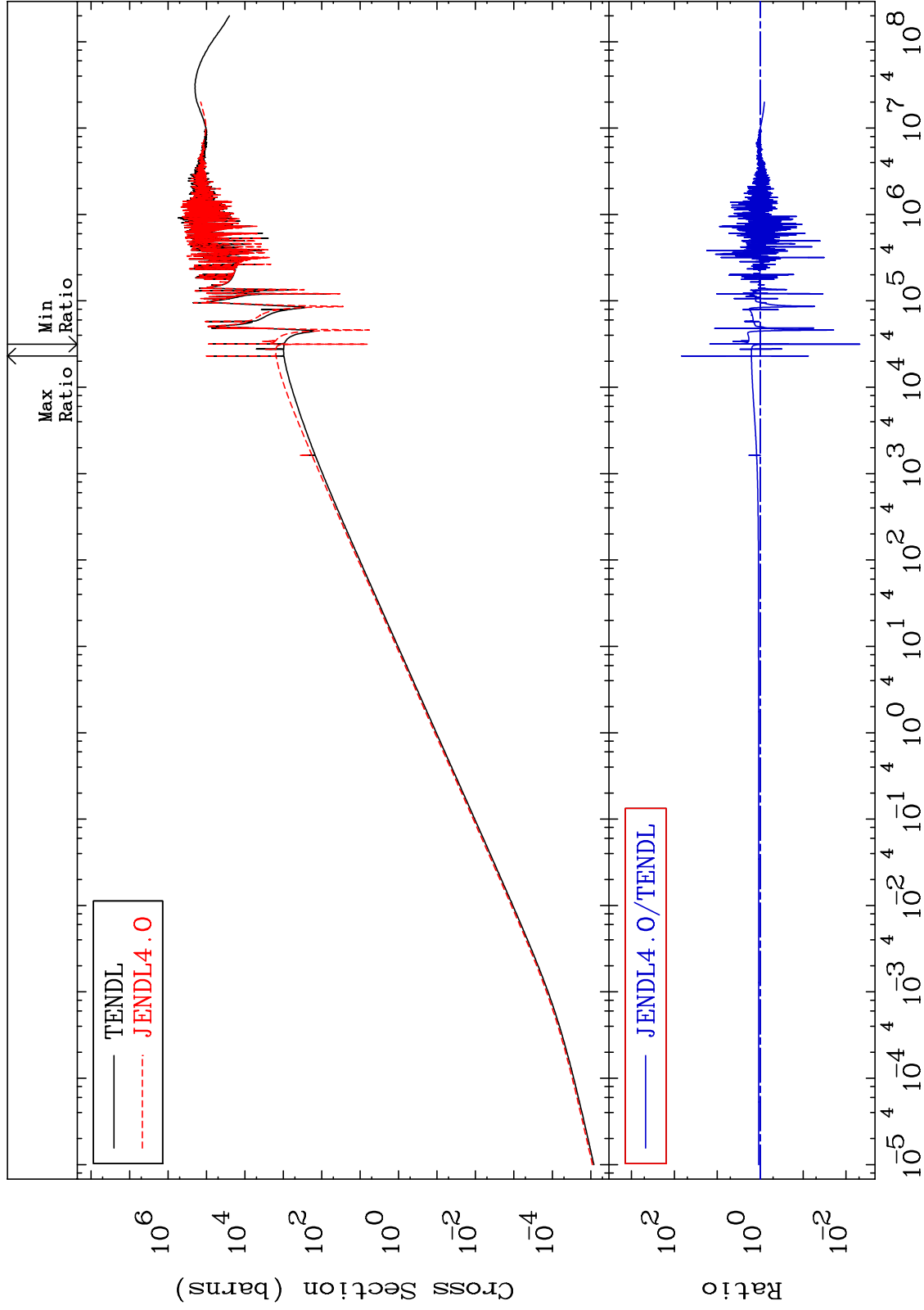
24-Cr-52
-99.31 To 6841. %



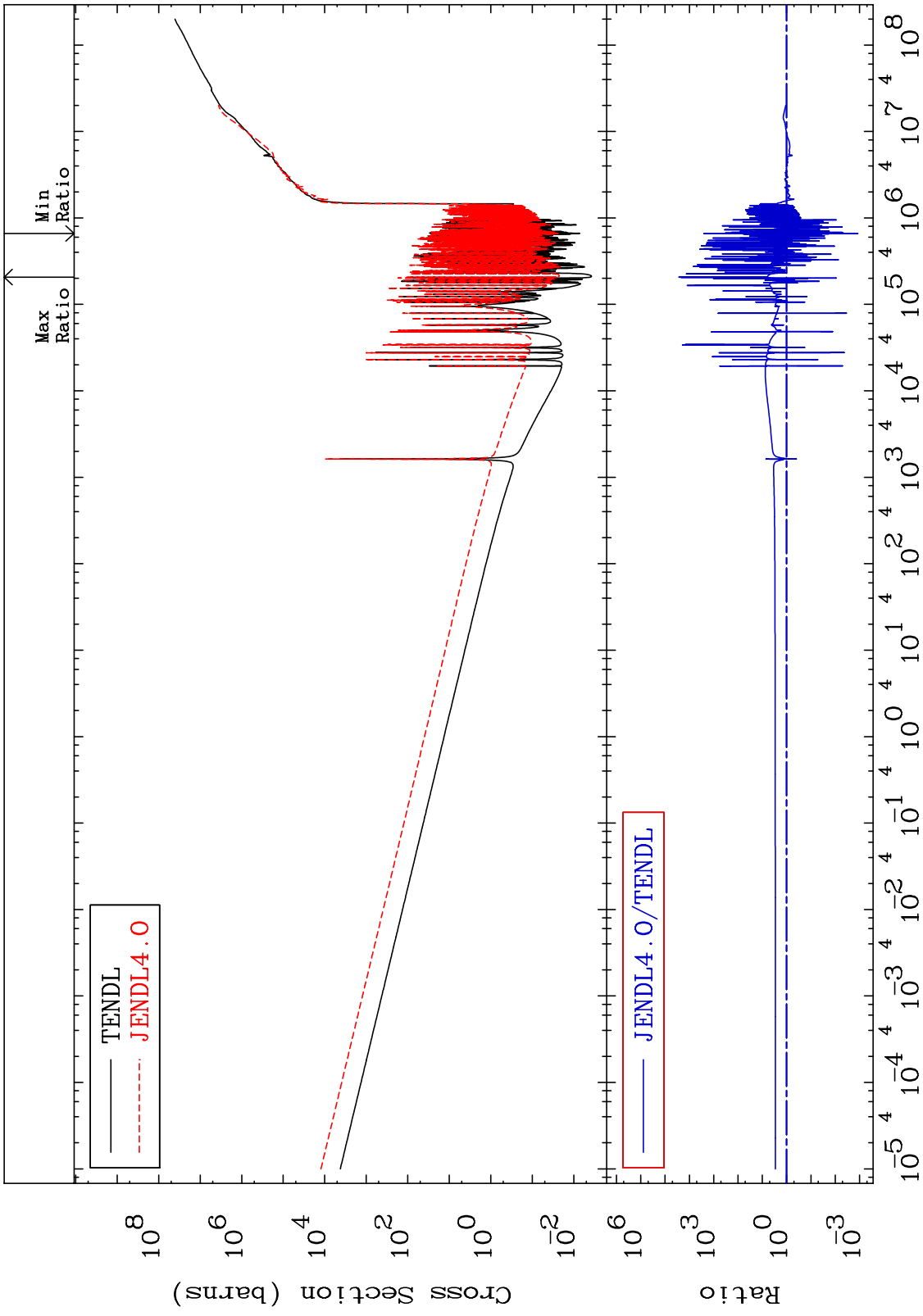
MAT 2431

Kerma elastic
Cross Section

24-Cr-52
-99.52 To 6803. %



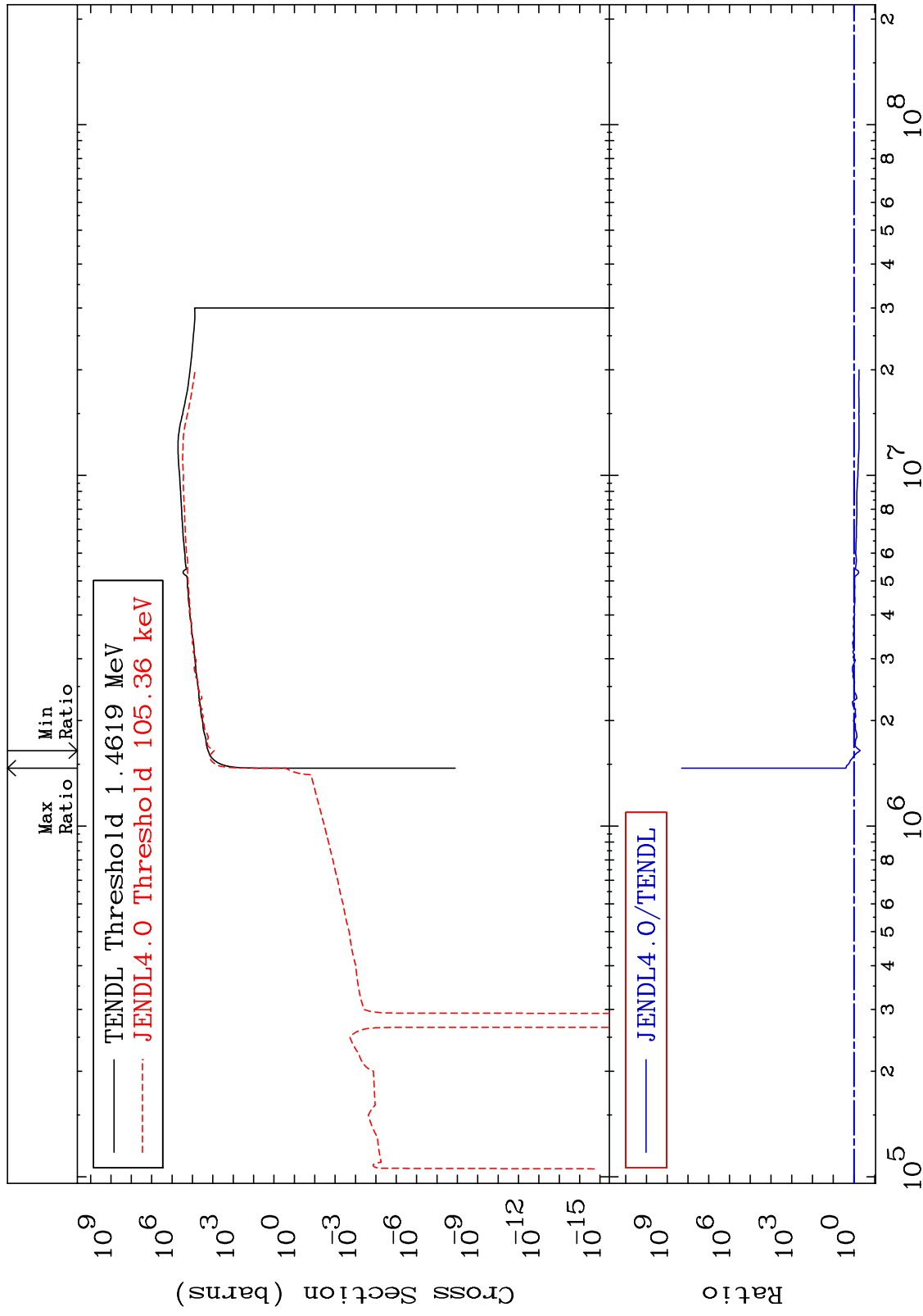
MAT 2431 Kerma non-elastic (all but mt2) Cross Section 24-Cr-52
 -99.88 To 9999. %



MAT 2431

Kerma inelastic (mt51-91)
Cross Section

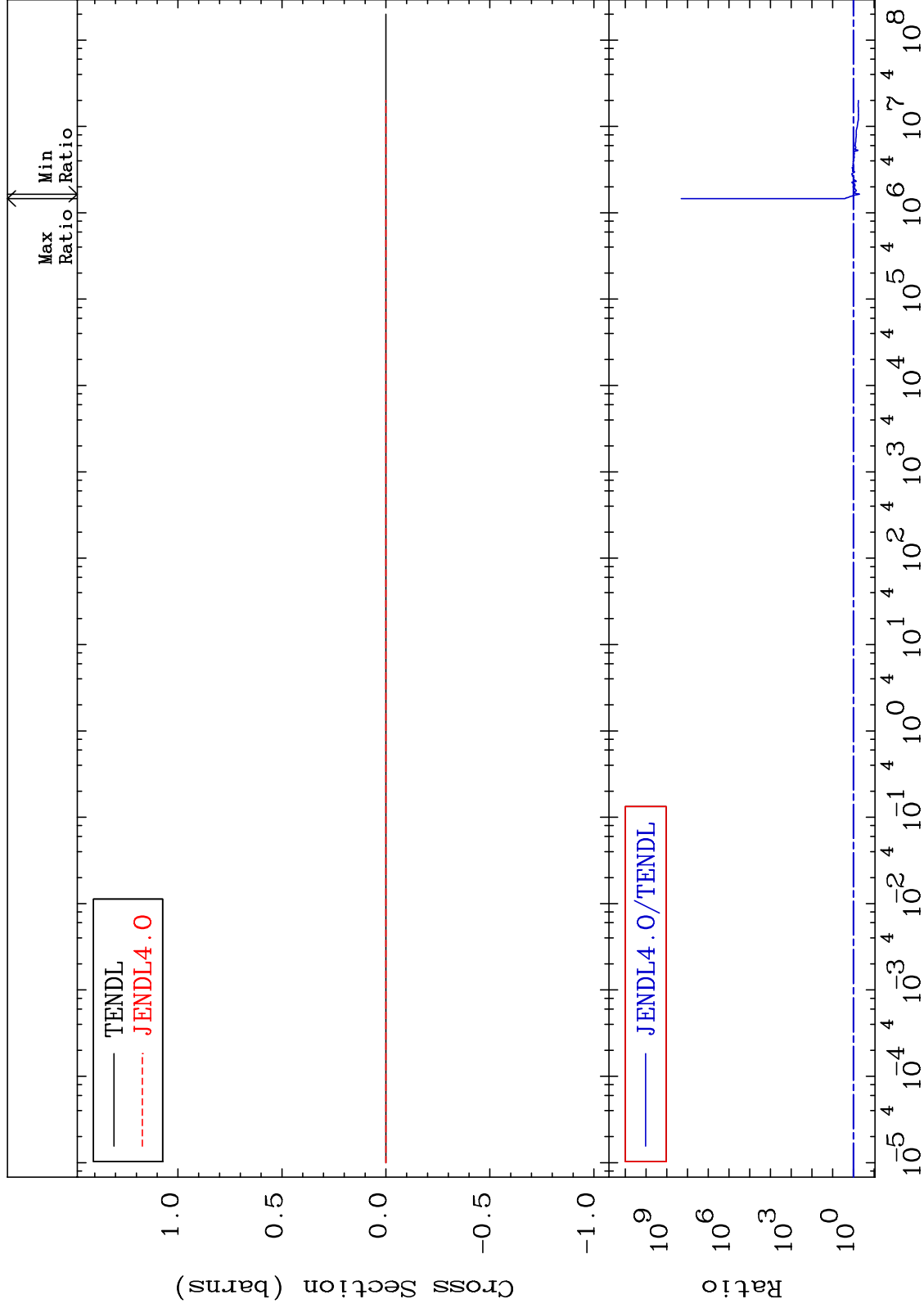
24-Cr-52
-50.91 To 9999. %



MAT 2431

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

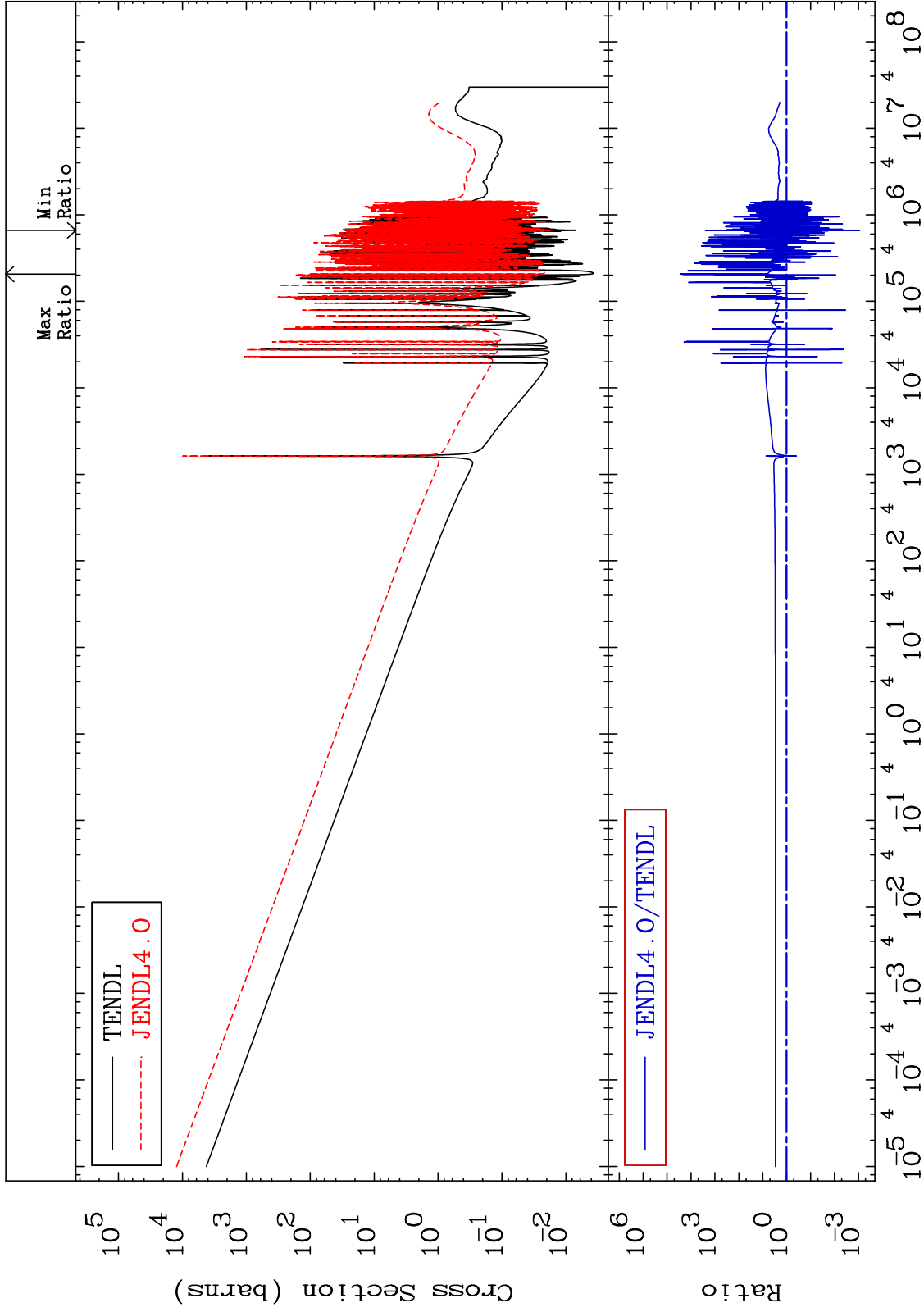
24-Cr-52
-50.91 To 9999. %



MAT 2431

Kerma capture (mt102)
Cross Section

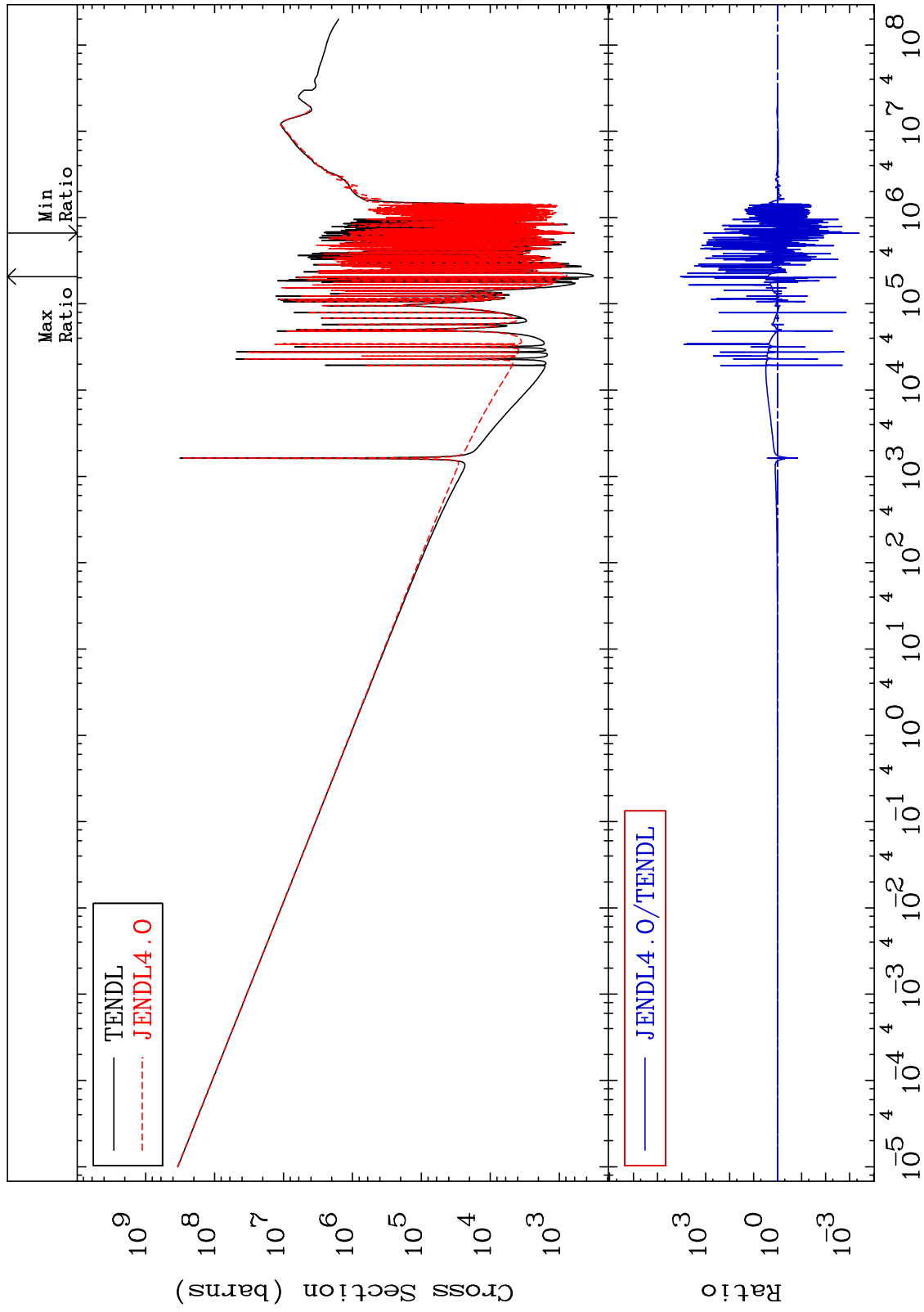
24-Cr-52
-99.91 To 9999. %



MAT 2431

Total photon (eV-barns)
Cross Section

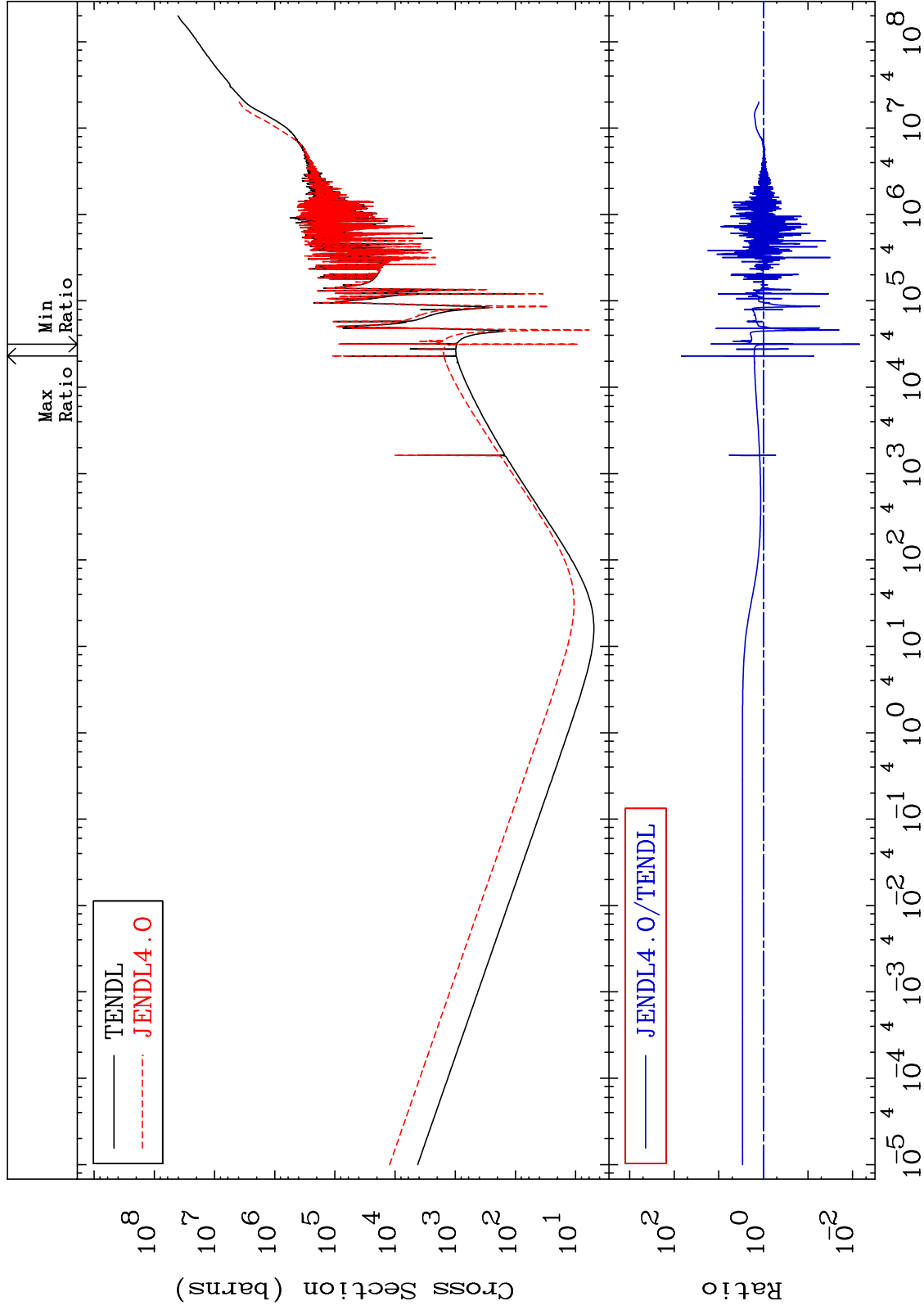
24-Cr-52
-99.96 To 9999. %



MAT 2431

Total kinematic kerma (high limit)
Cross Section

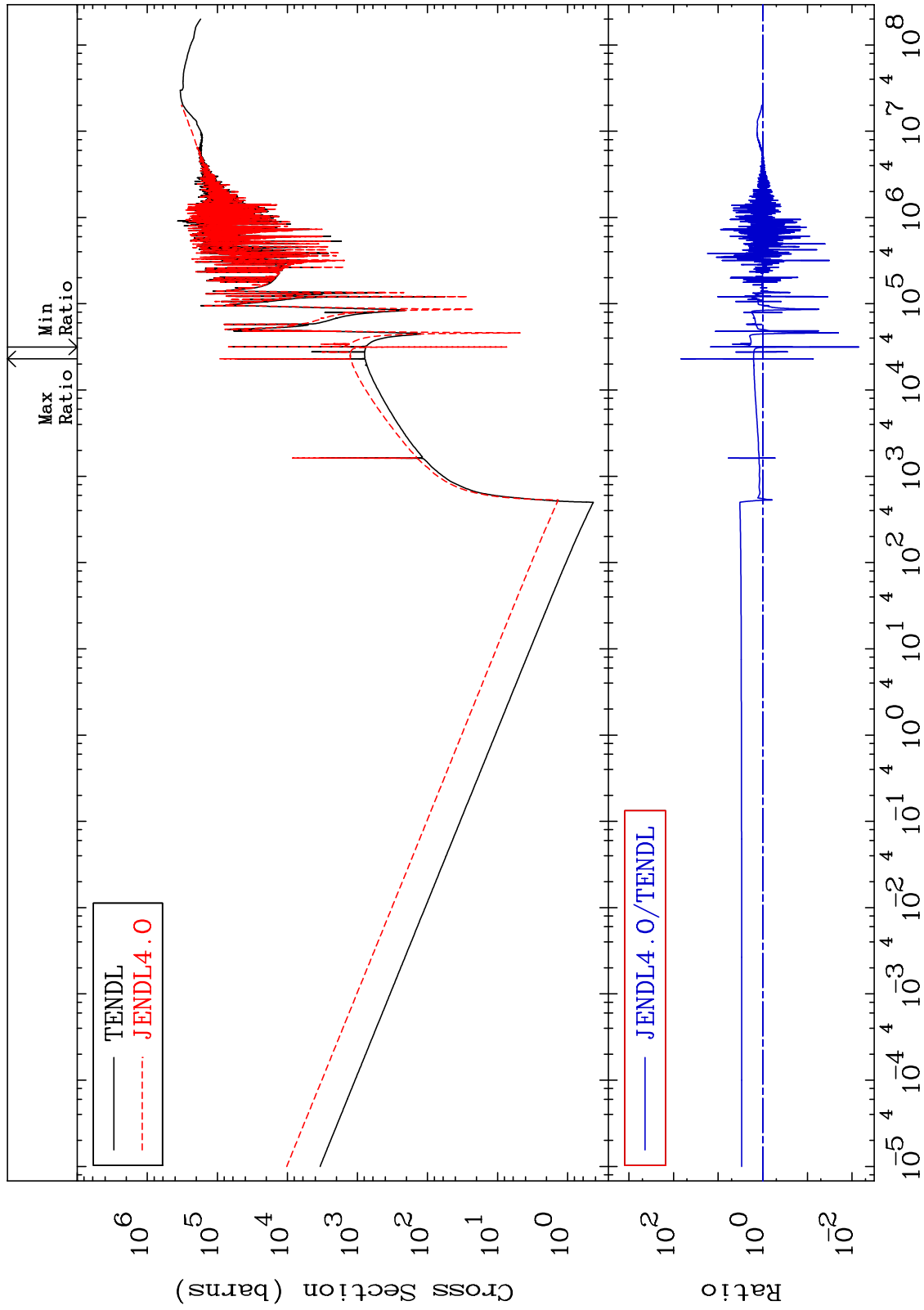
24-Cr-52
-99.31 To 6841. %



MAT 2431

Dpa total (eV-barns)
Cross Section

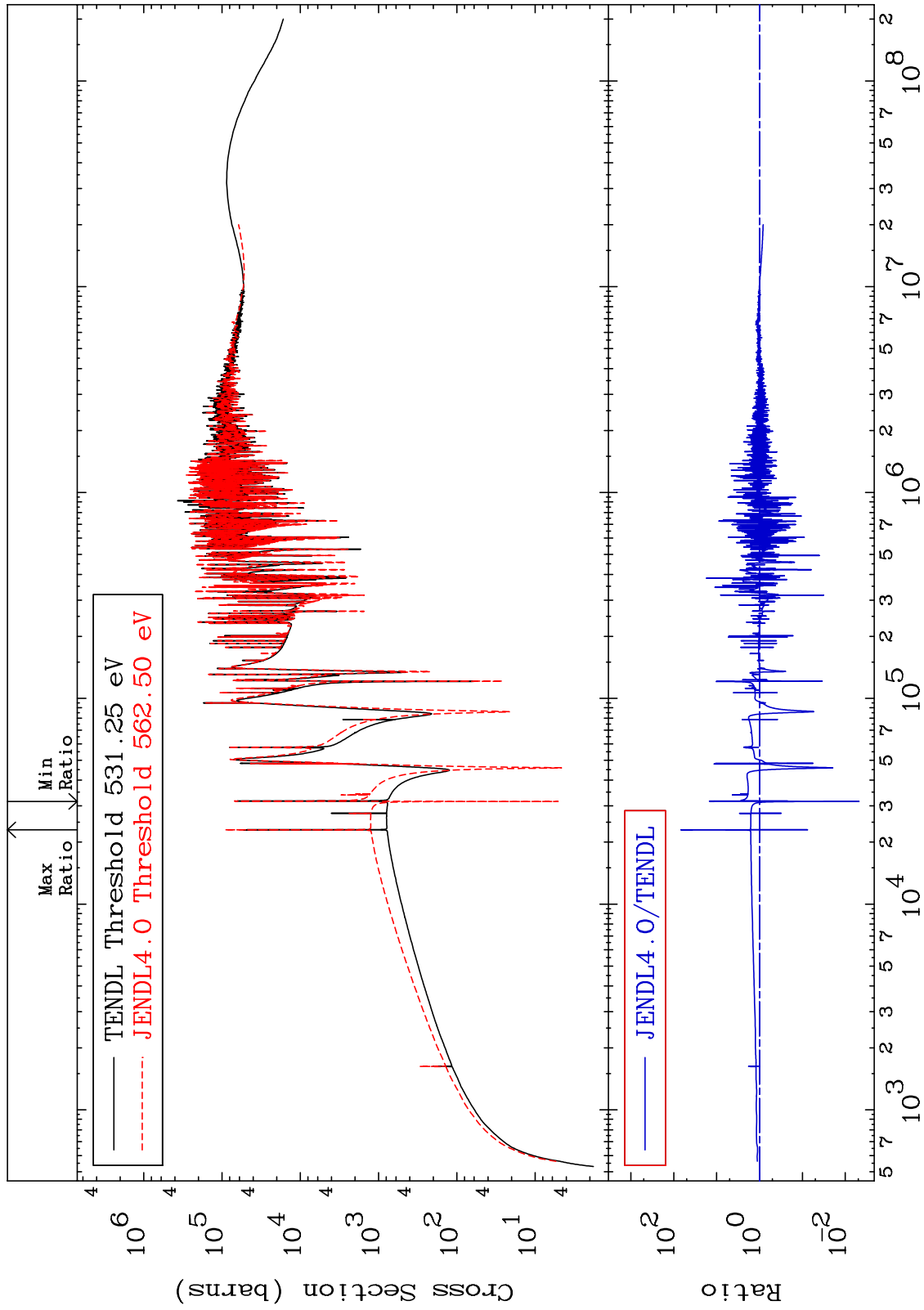
24-Cr-52
-99.30 To 6843. %



MAT 2431

Dpa elastic (mt2)
Cross Section

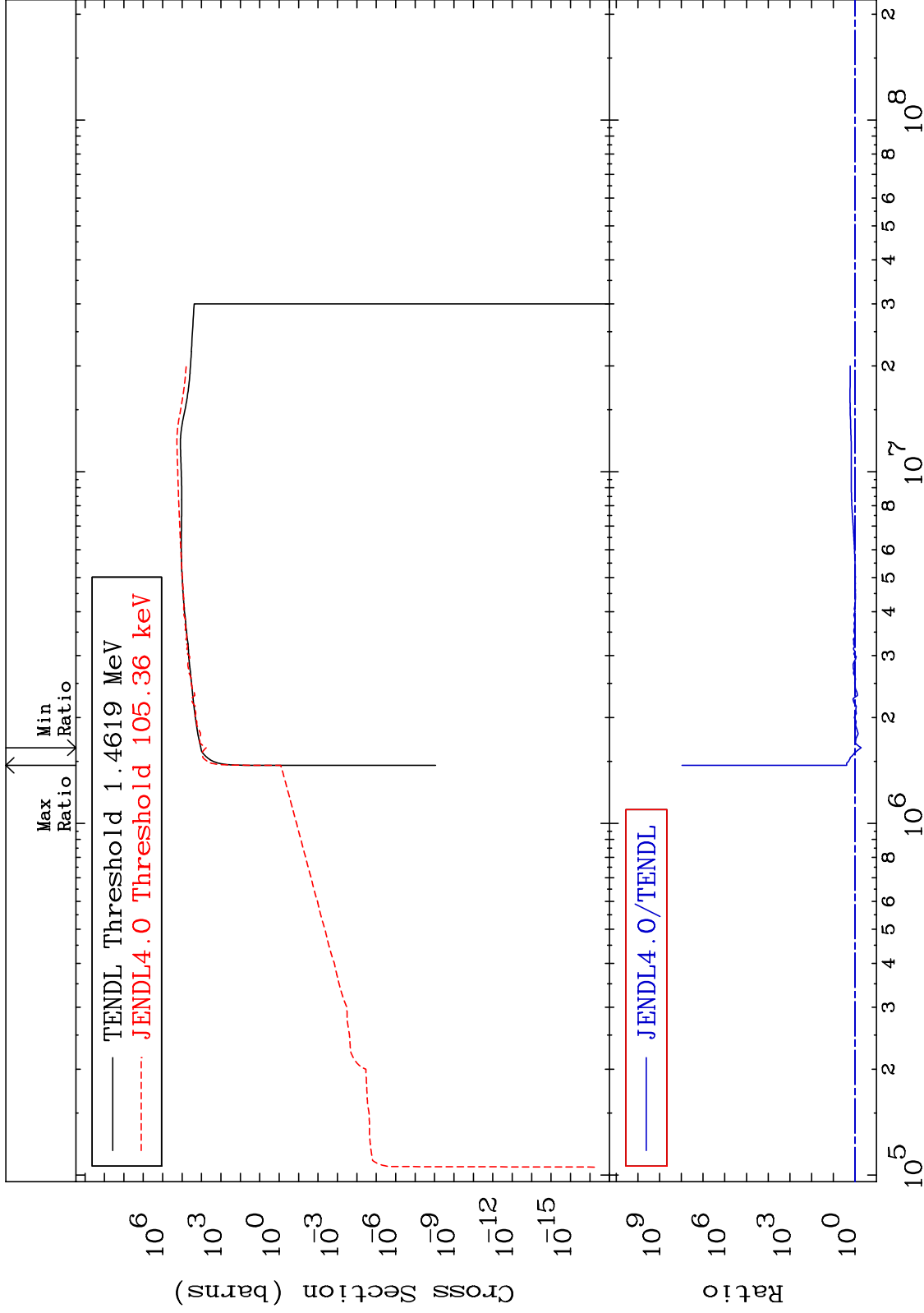
24-Cr-52
-99.52 To 6803. %



MAT 2431

Dpa inelastic (mt51-91)
Cross Section

24-Cr-52
-47.62 To 9999. %



60

Incident Energy (eV)

24-Cr-52

MAT 2431

Dpa disappearance (mt102 -120)
Cross Section

24-Cr-52
-99.91 To 9999. %

