

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

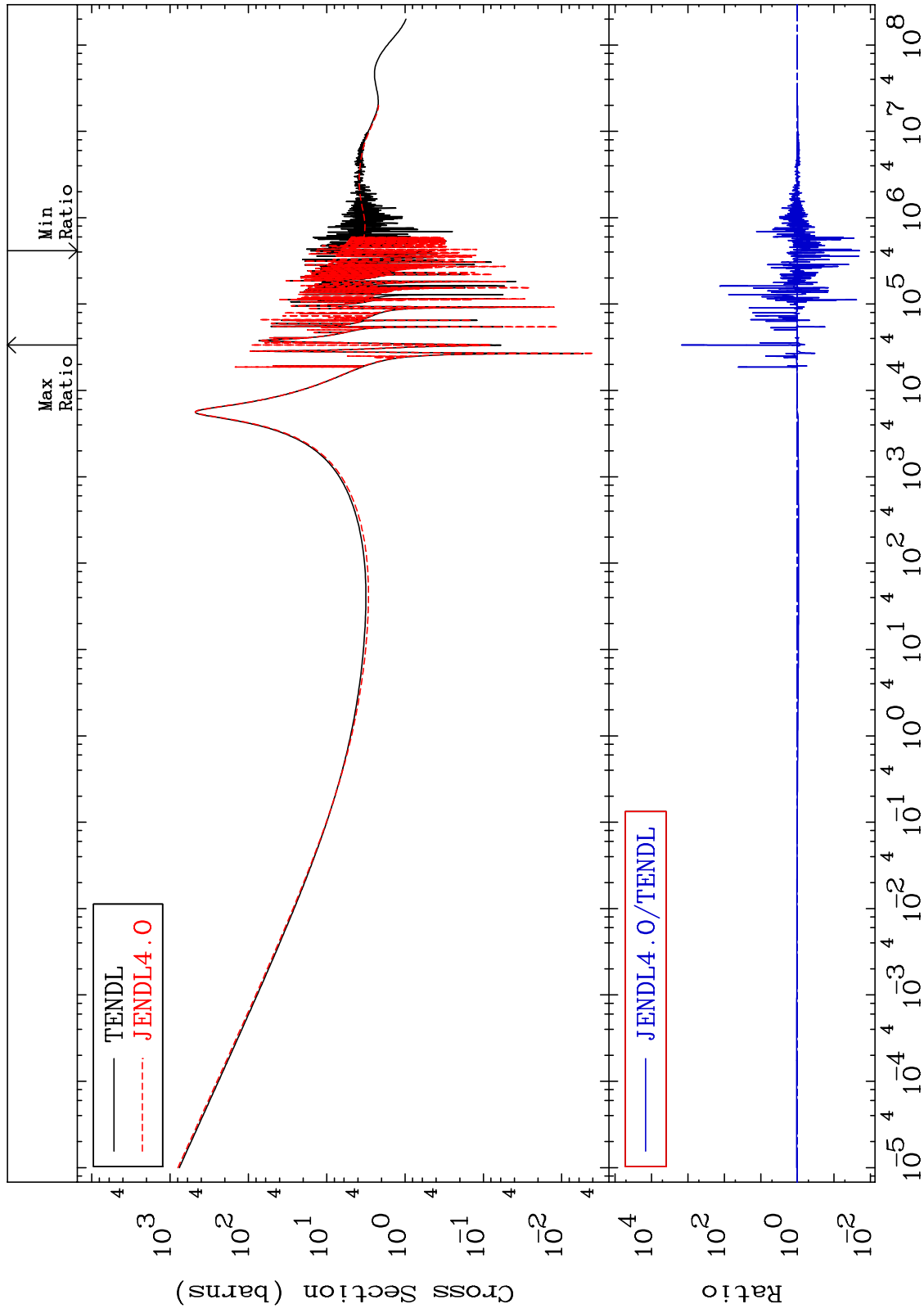
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 2425

Total  
Cross Section

24-Cr-50  
-98.05 To 9999. %



Incident Energy (eV)

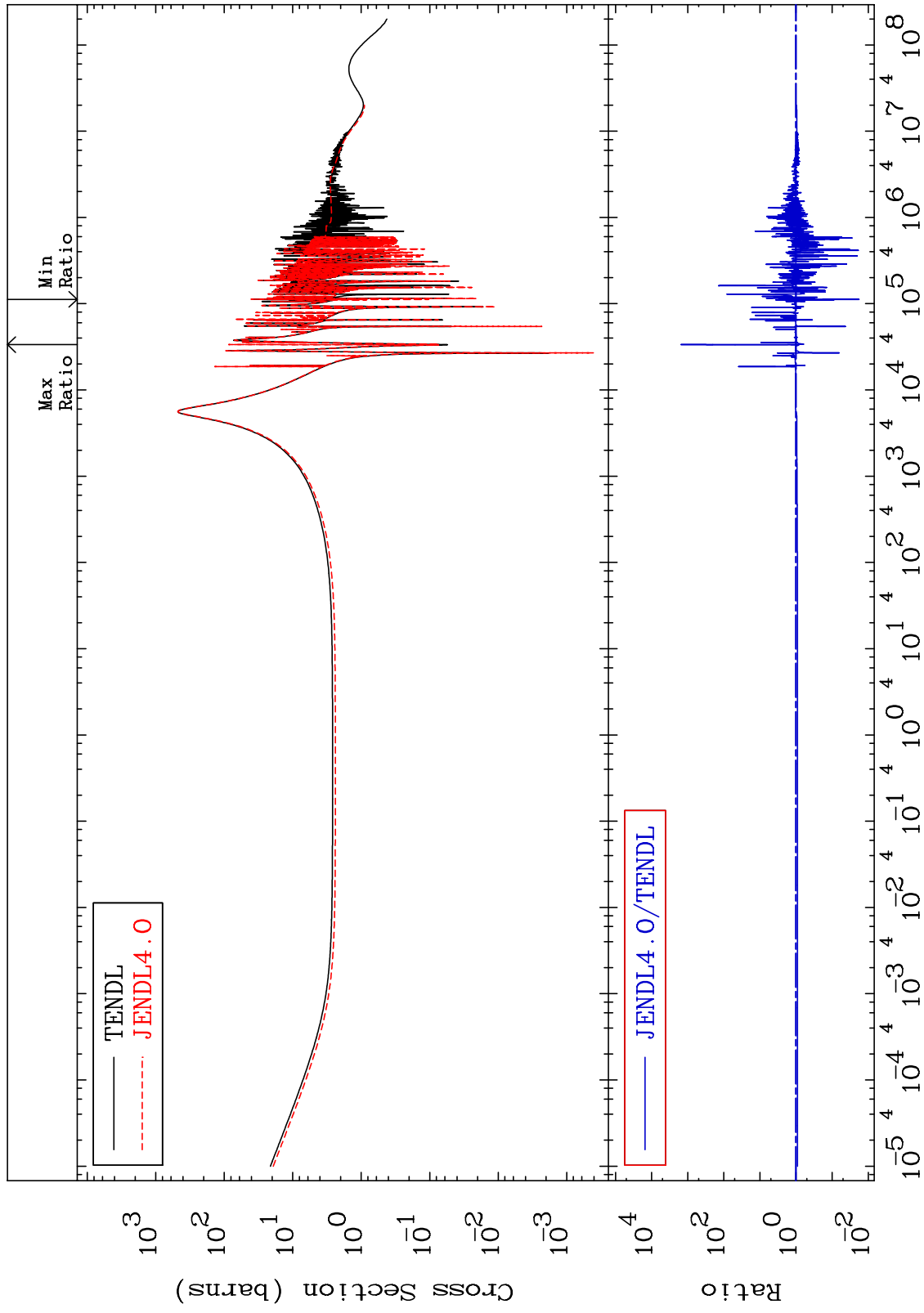
24-Cr-50

1

MAT 2425

Elastic  
Cross Section

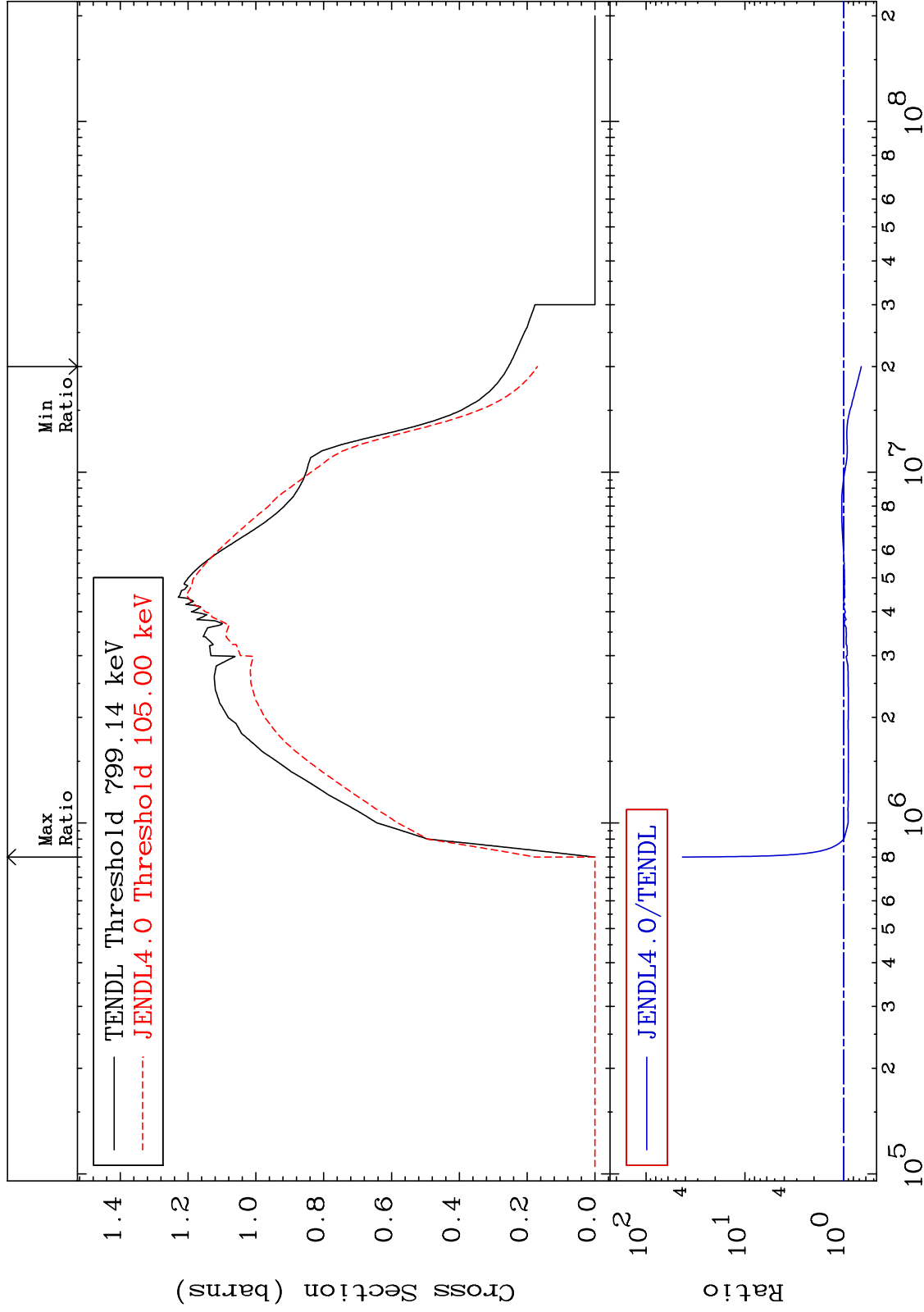
24-Cr-50  
-98.20 To 9999. %



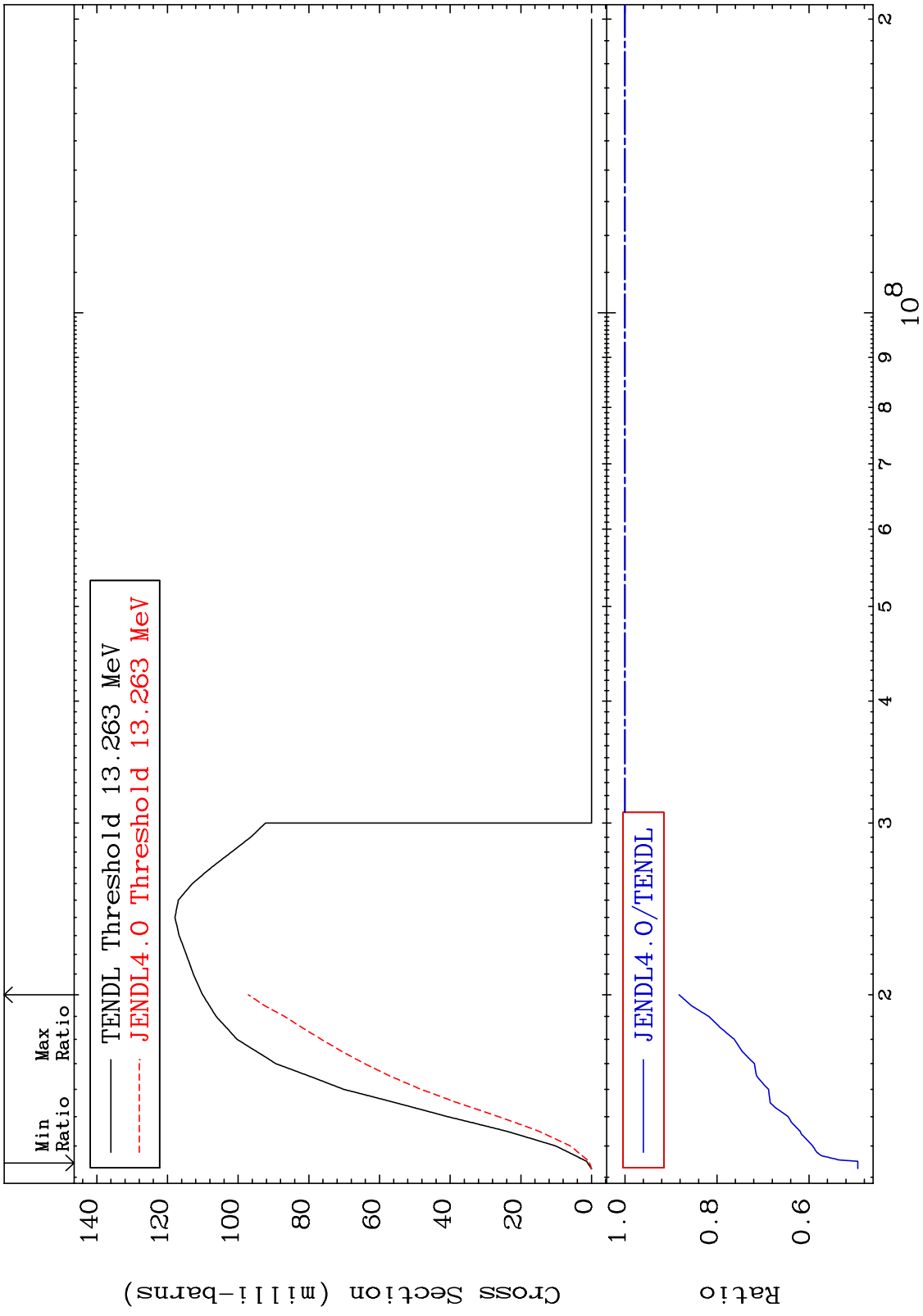
MAT 2425

Inelastic  
Cross Section

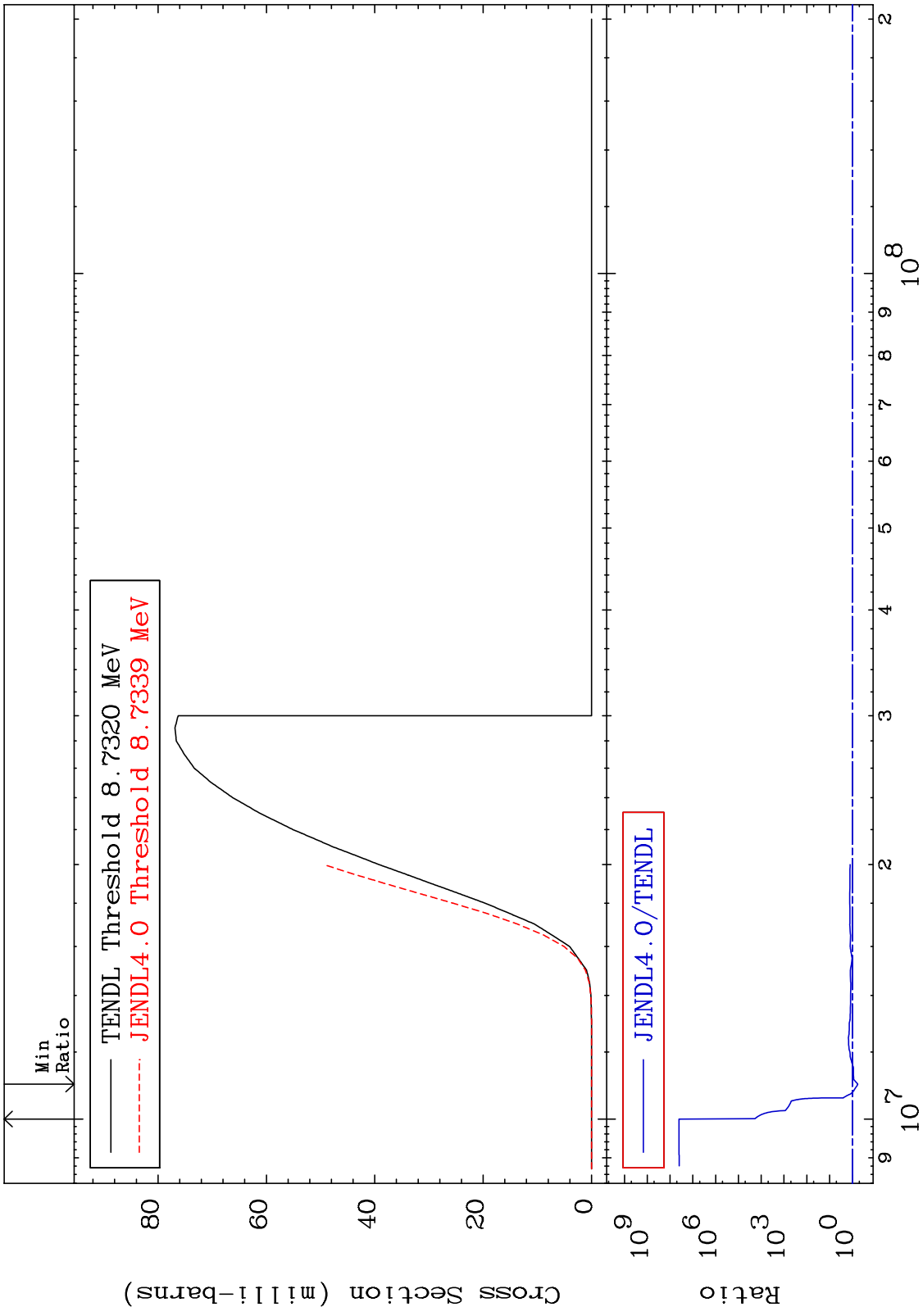
24-Cr-50  
-33.37 To 4183. %



MAT 2425  $(n,2n)$  Cross Section  $^{24}\text{Cr-50}$   
 $-50.59 \text{ To } -11.76\%$

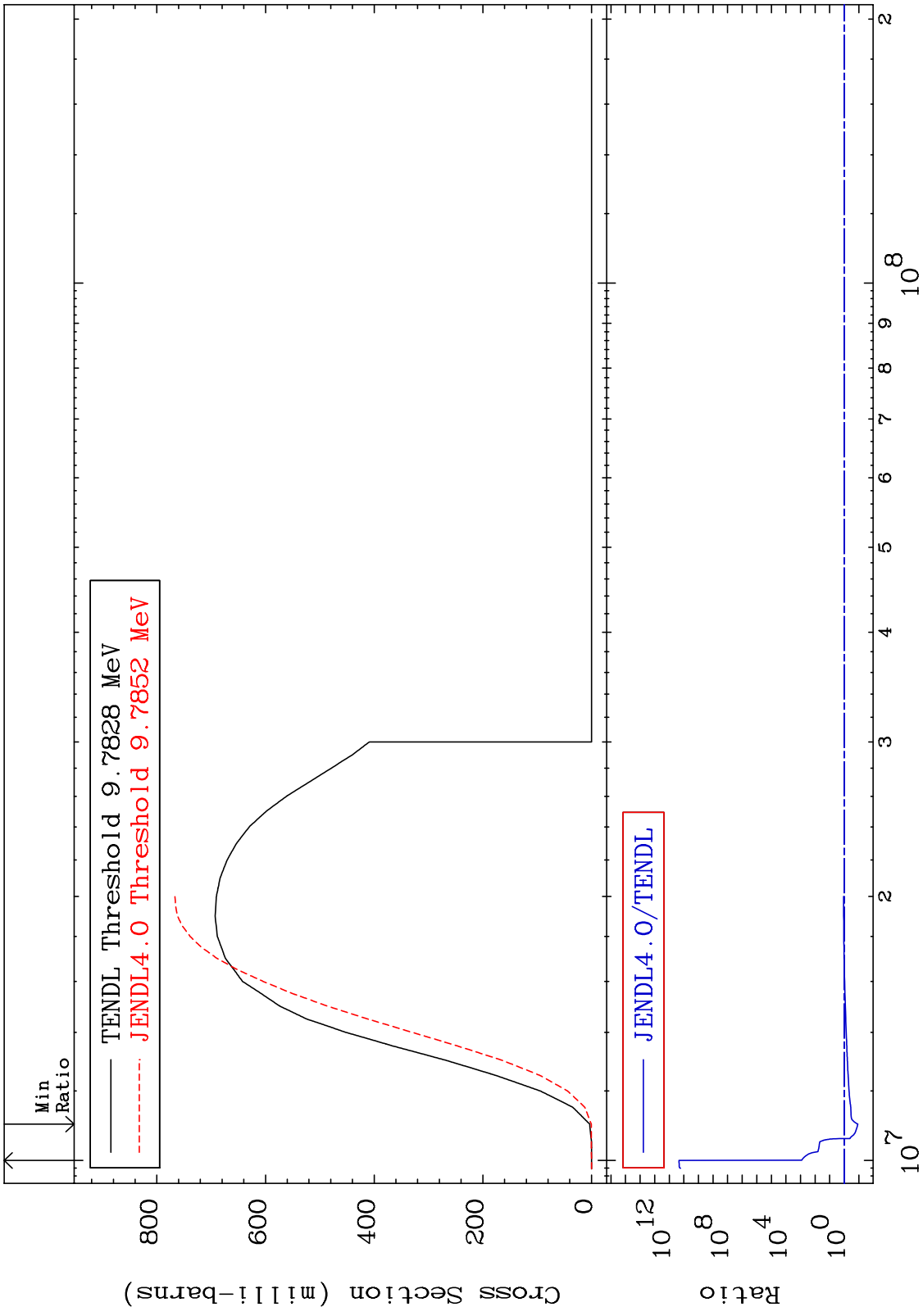


MAT 2425  $(n, n') \alpha$  24-Cr-50  
 Cross Section -42.34 To 9999. %

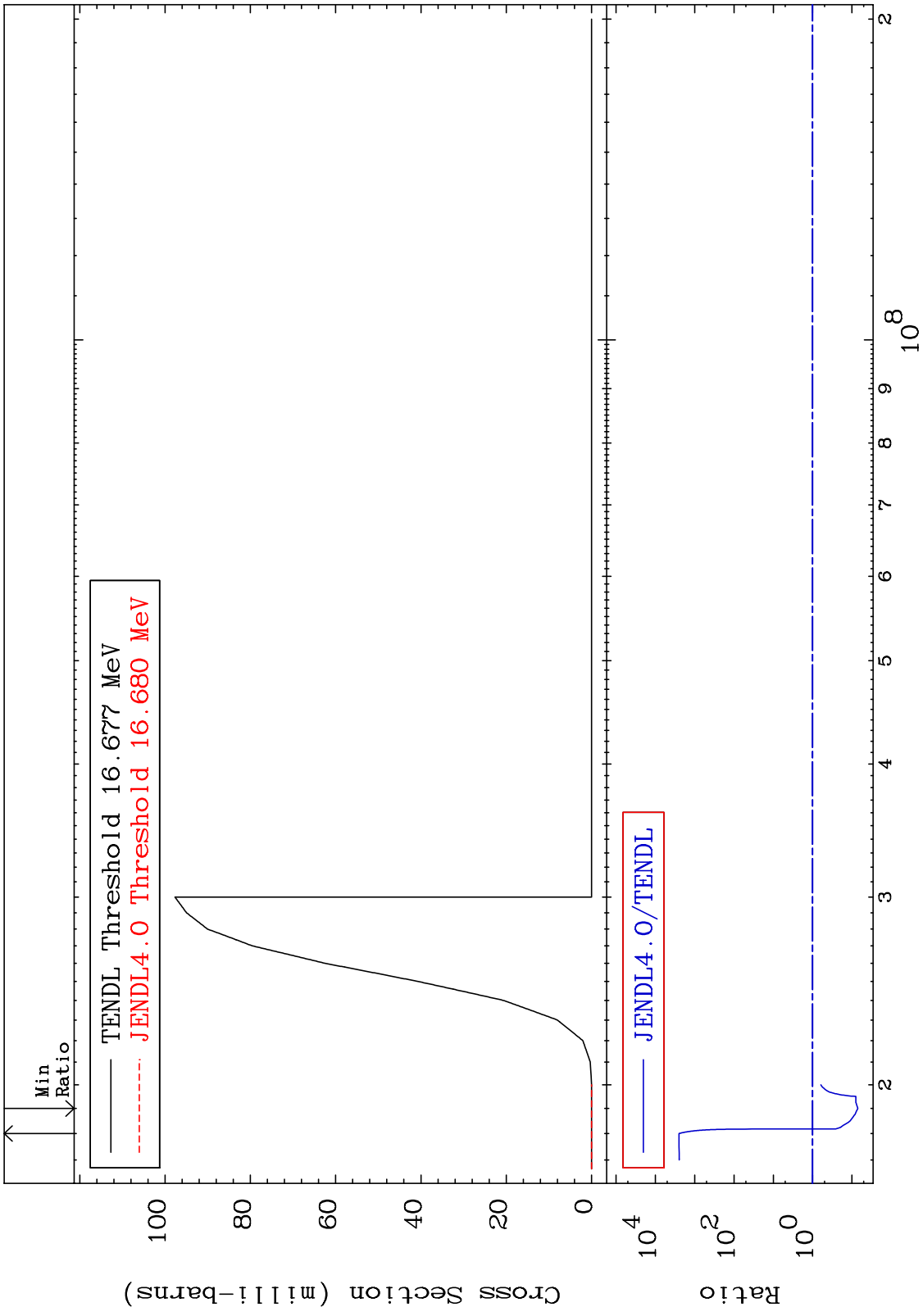


5 9 10<sup>7</sup> 2 10<sup>8</sup> 24-Cr-50

MAT 2425 (n,n') p 24-Cr-50  
Cross Section -88.26 To 9999. %

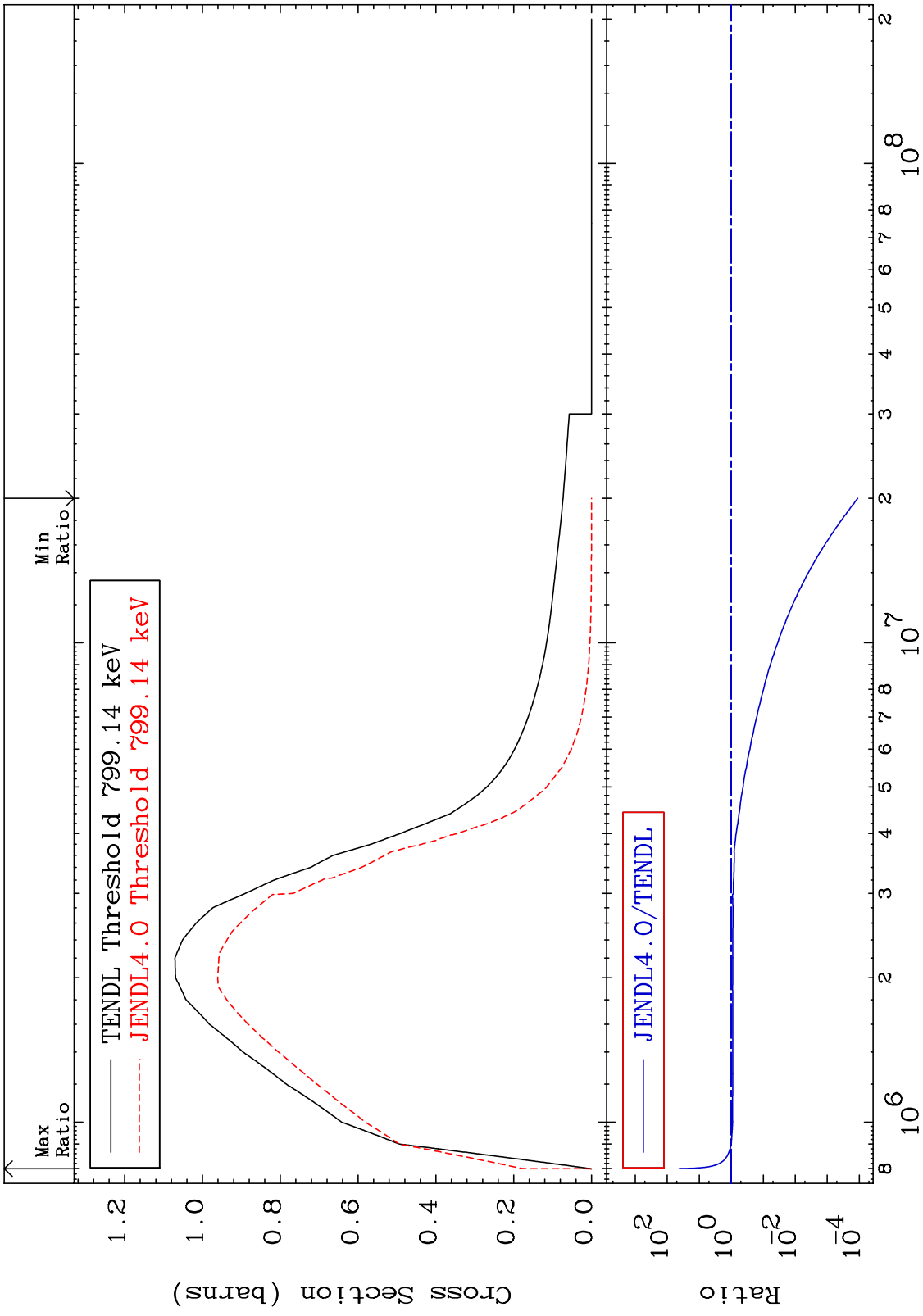


Incident Energy (eV) 24-Cr-50



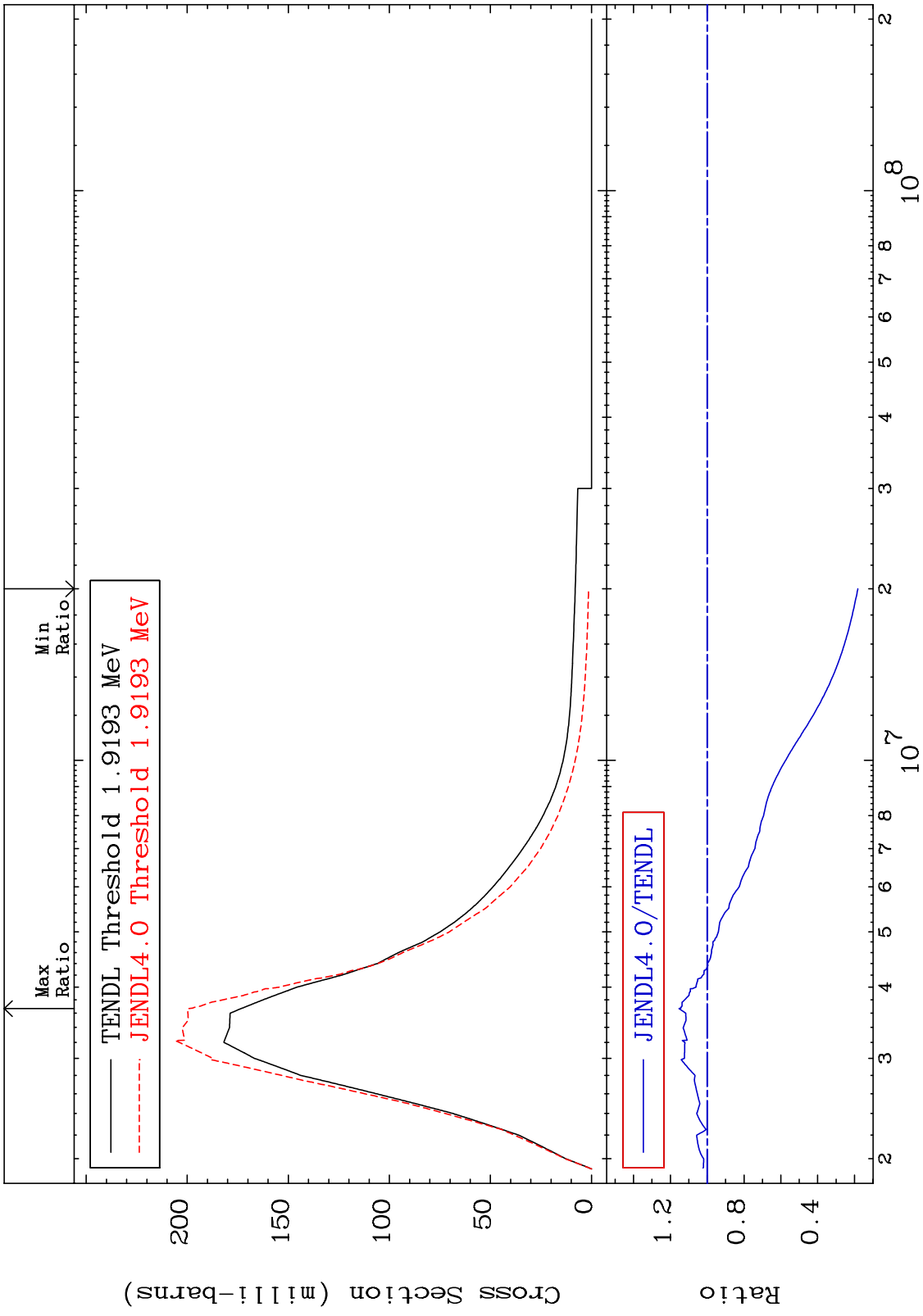


MAT 2425 MT= 51 (n,n') Level Cross Section 24-Cr-50  
-99.99 To 4183. %



8 8 Incident Energy (eV) 24-Cr-50

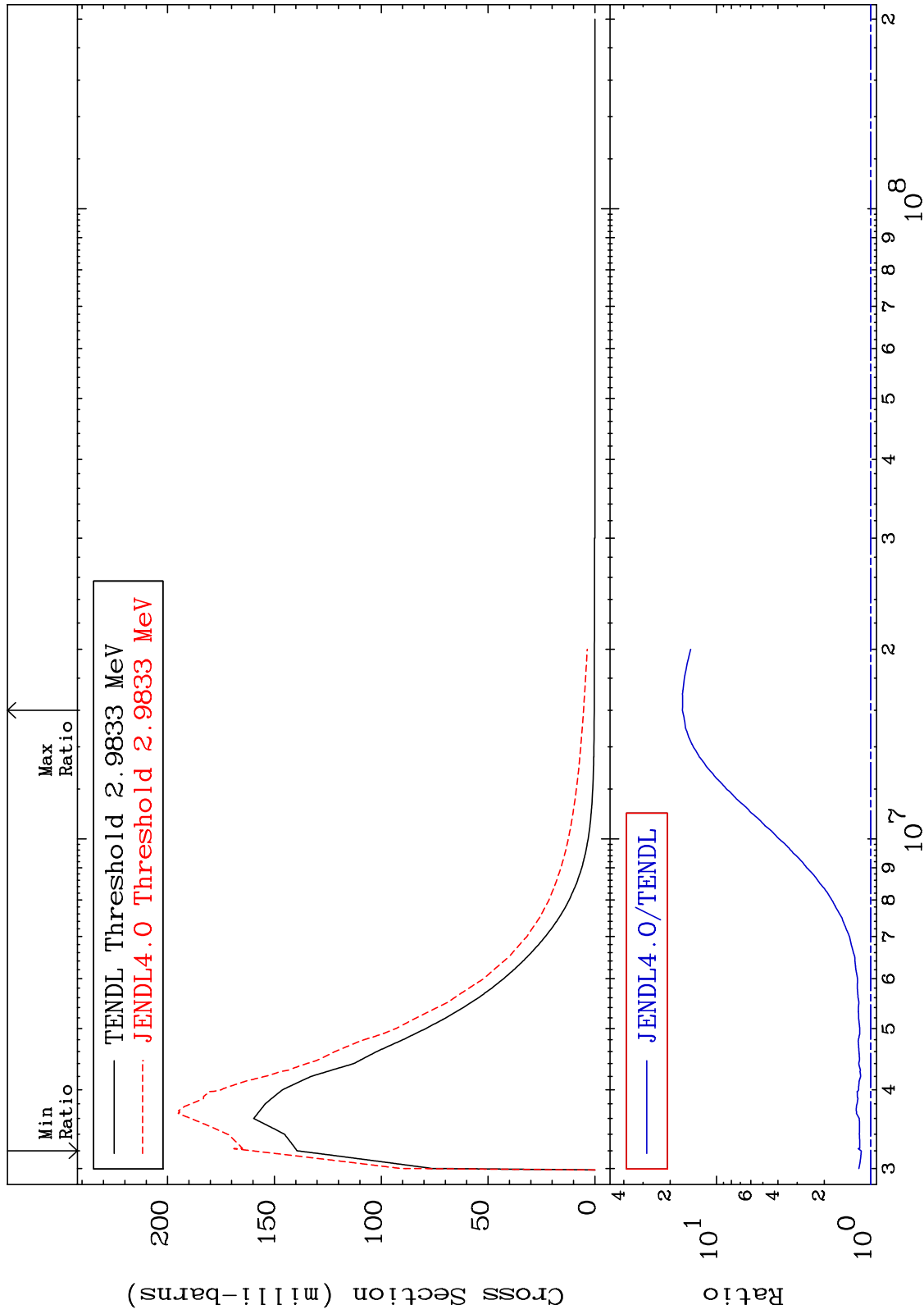
MAT 2425 MT= 52 (n,n') Level Cross Section -81.82 To 15.29 % 24-Cr-50



MAT 2425

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

24-Cr-50  
15.04 To 1564. %

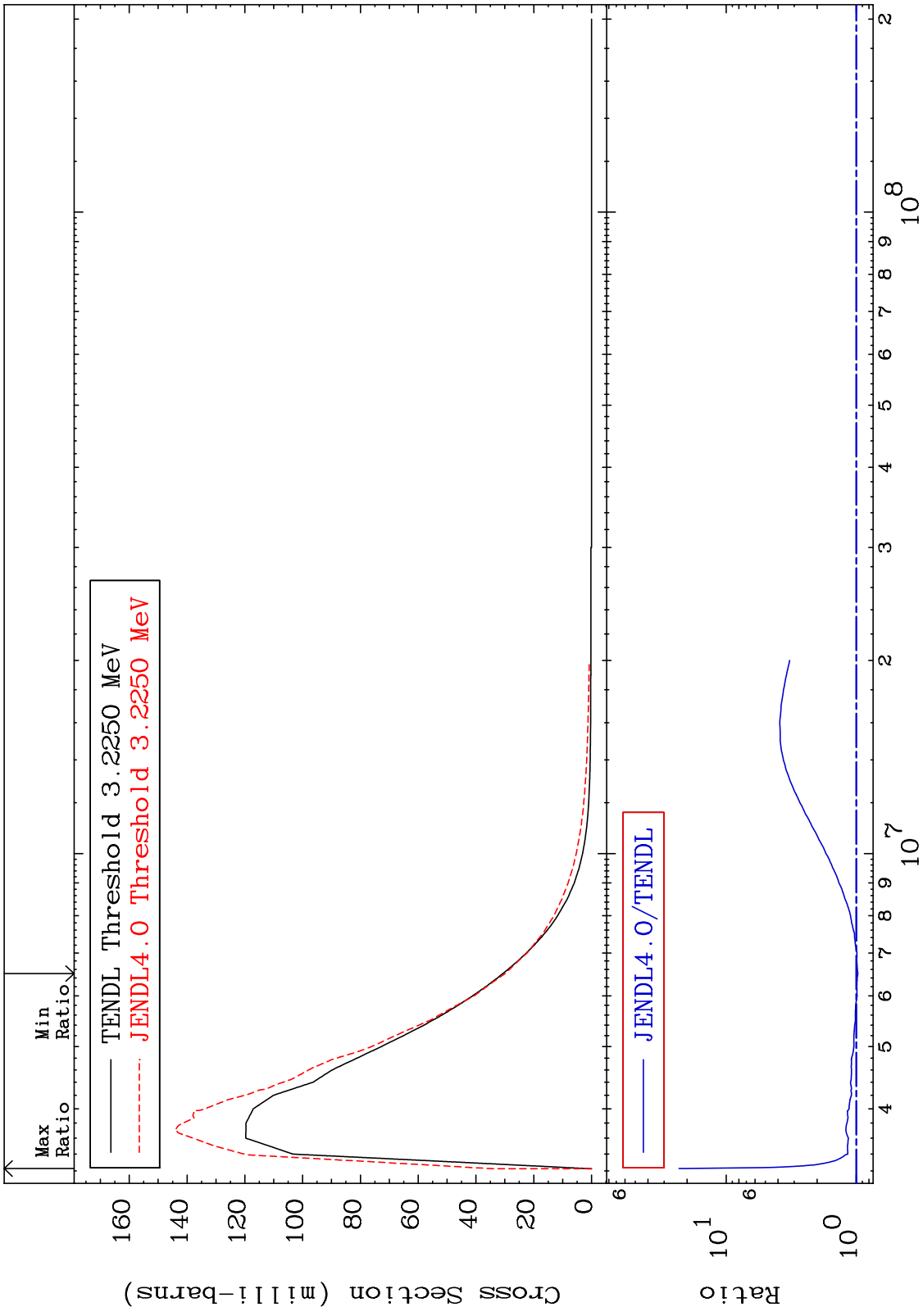


10

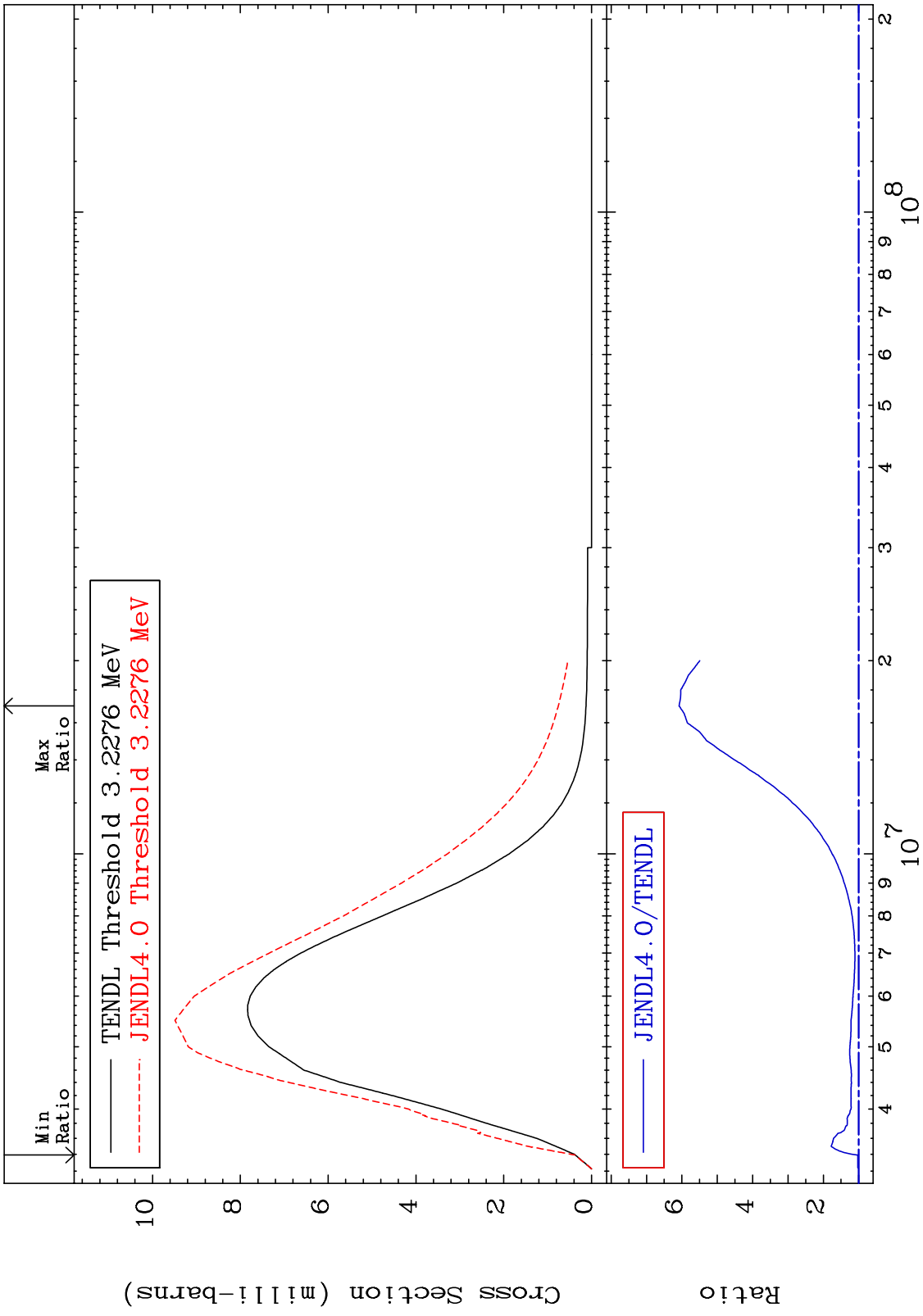
Incident Energy (eV)

24-Cr-50

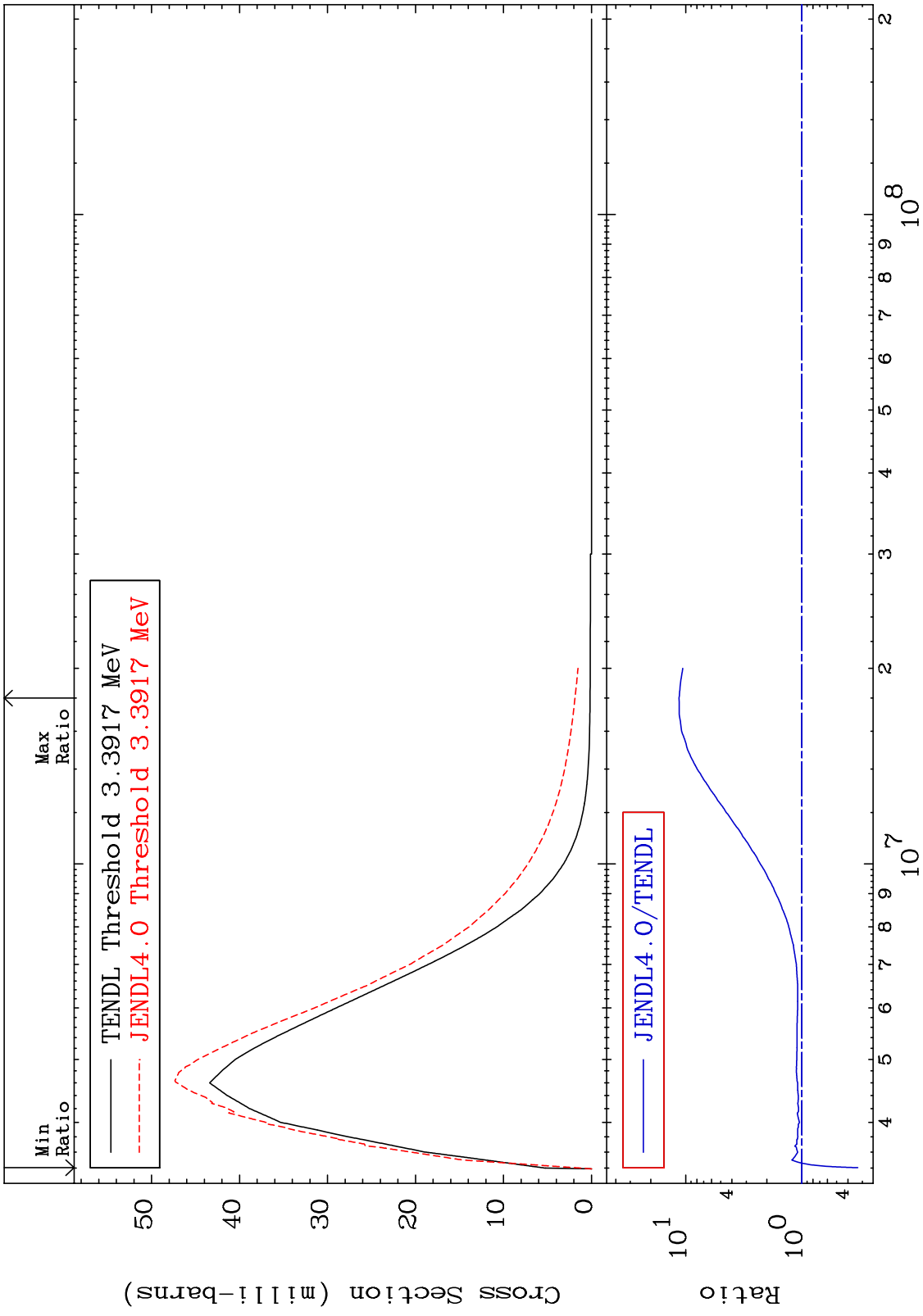
MAT 2425 MT= 54 (n,n') Level Cross Section -2.605 To 2206. % 24-Cr-50



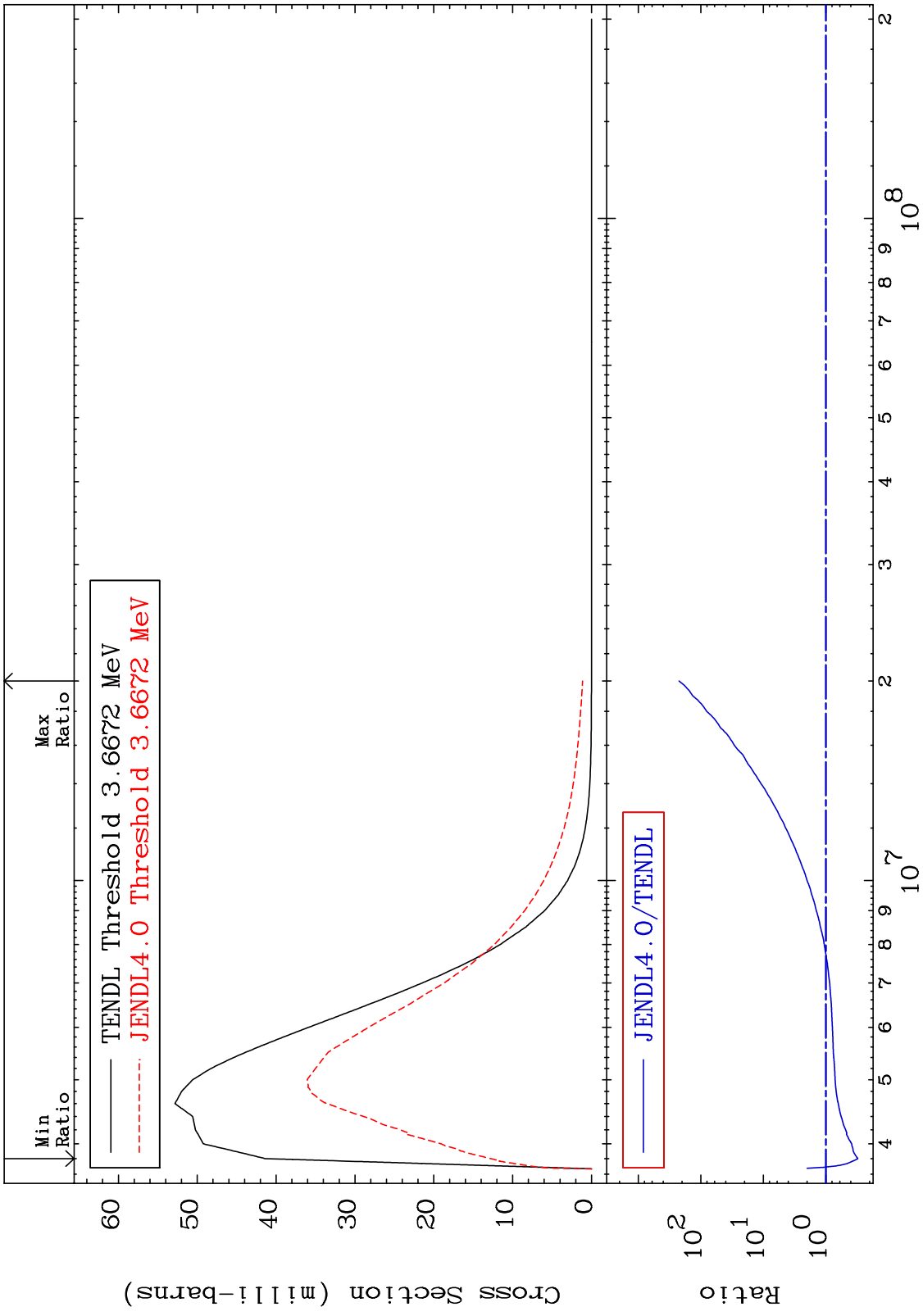
MAT 2425 MT= 55 (n,n') Level Cross Section 24-Cr-50 2.516 To 508.1 %



MAT 2425 MT= 56 (n,n') Level Cross Section -67.14 To 1041. % 24-Cr-50

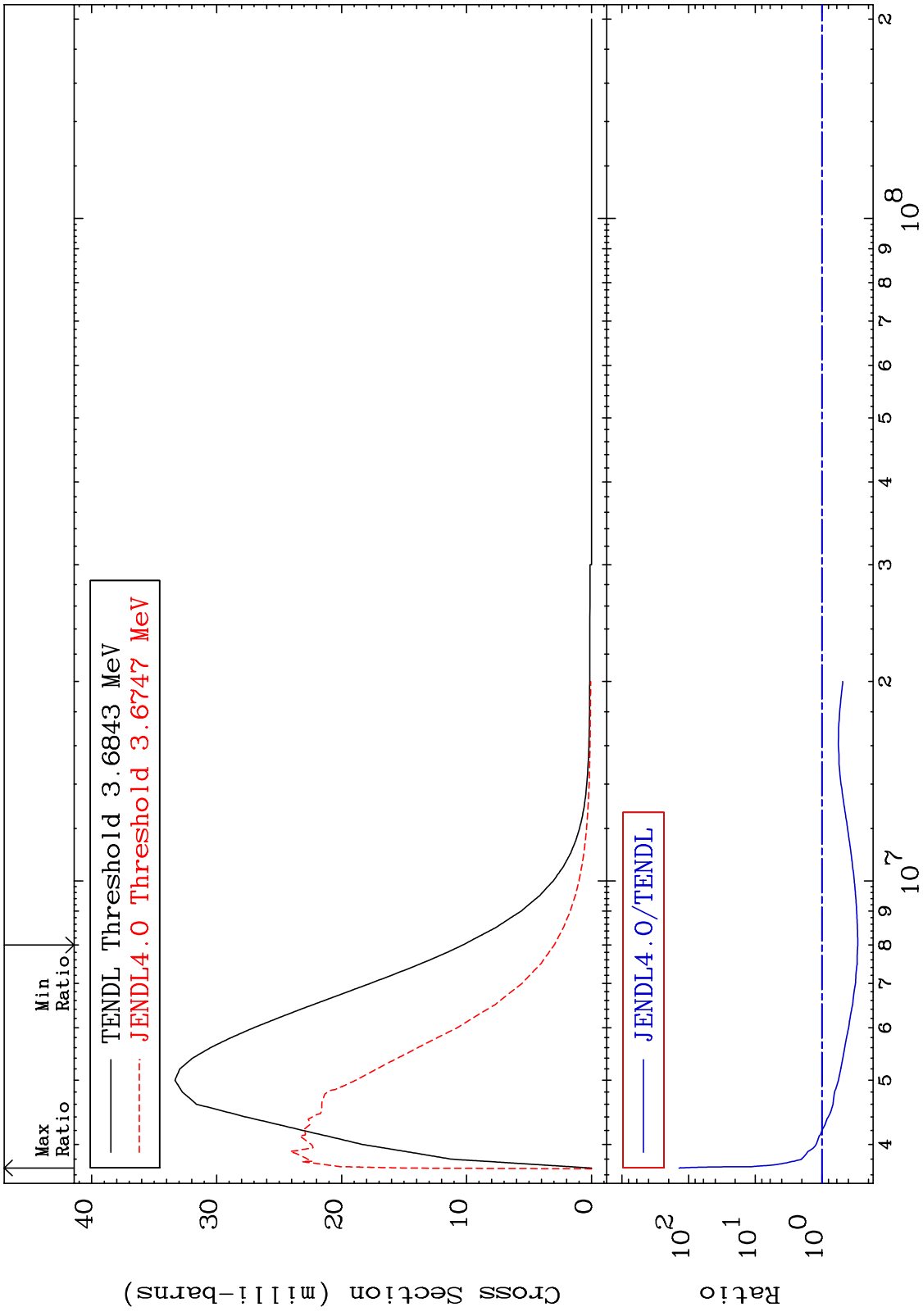


MAT 2425 MT= 57 (n,n') Level Cross Section -69.16 To 9999. % 24-Cr-50



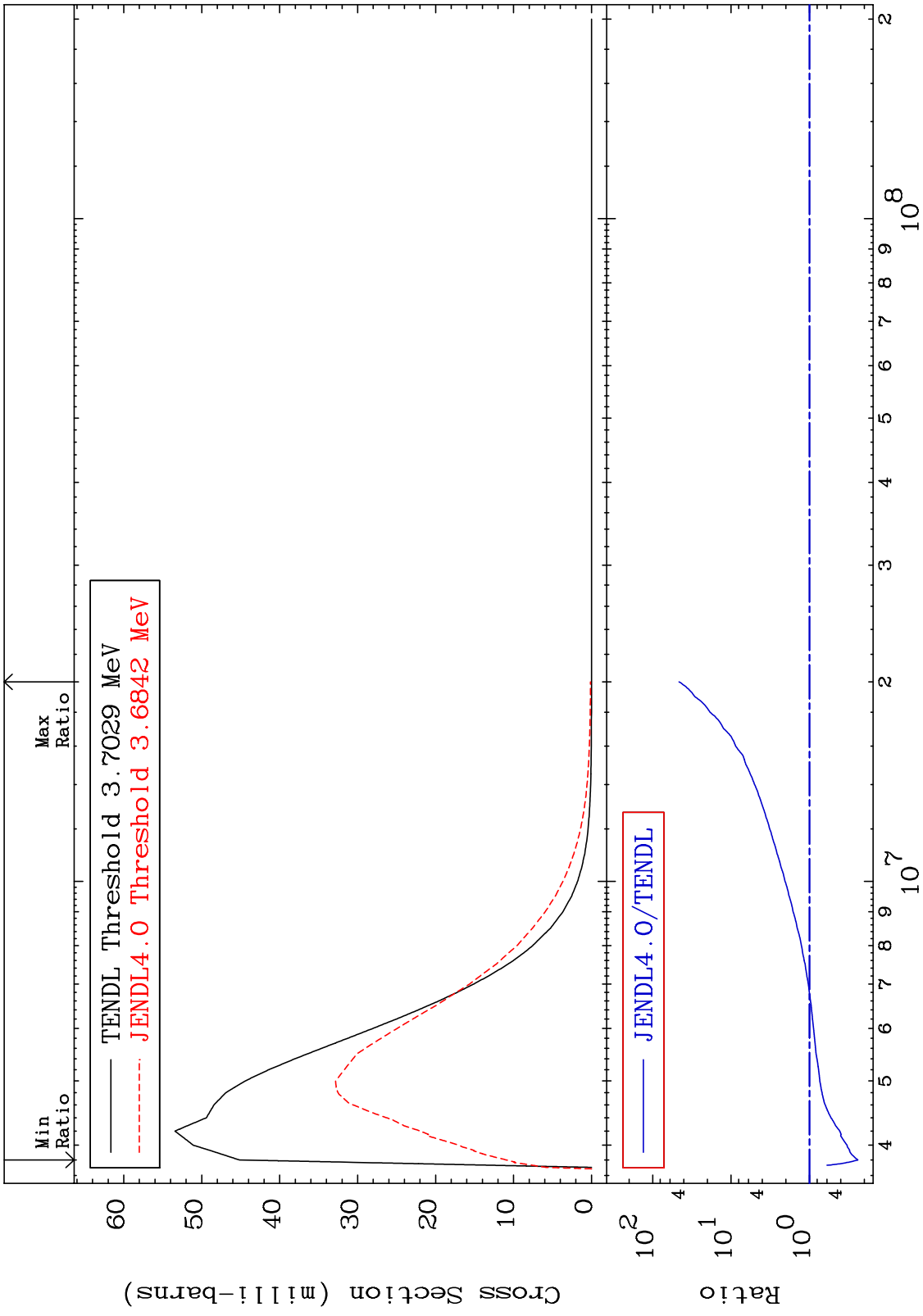
14 24-Cr-50 Incident Energy (eV)

MAT 2425 MT= 58 (n,n') Level Cross Section -71.06 To 9999. % 24-Cr-50





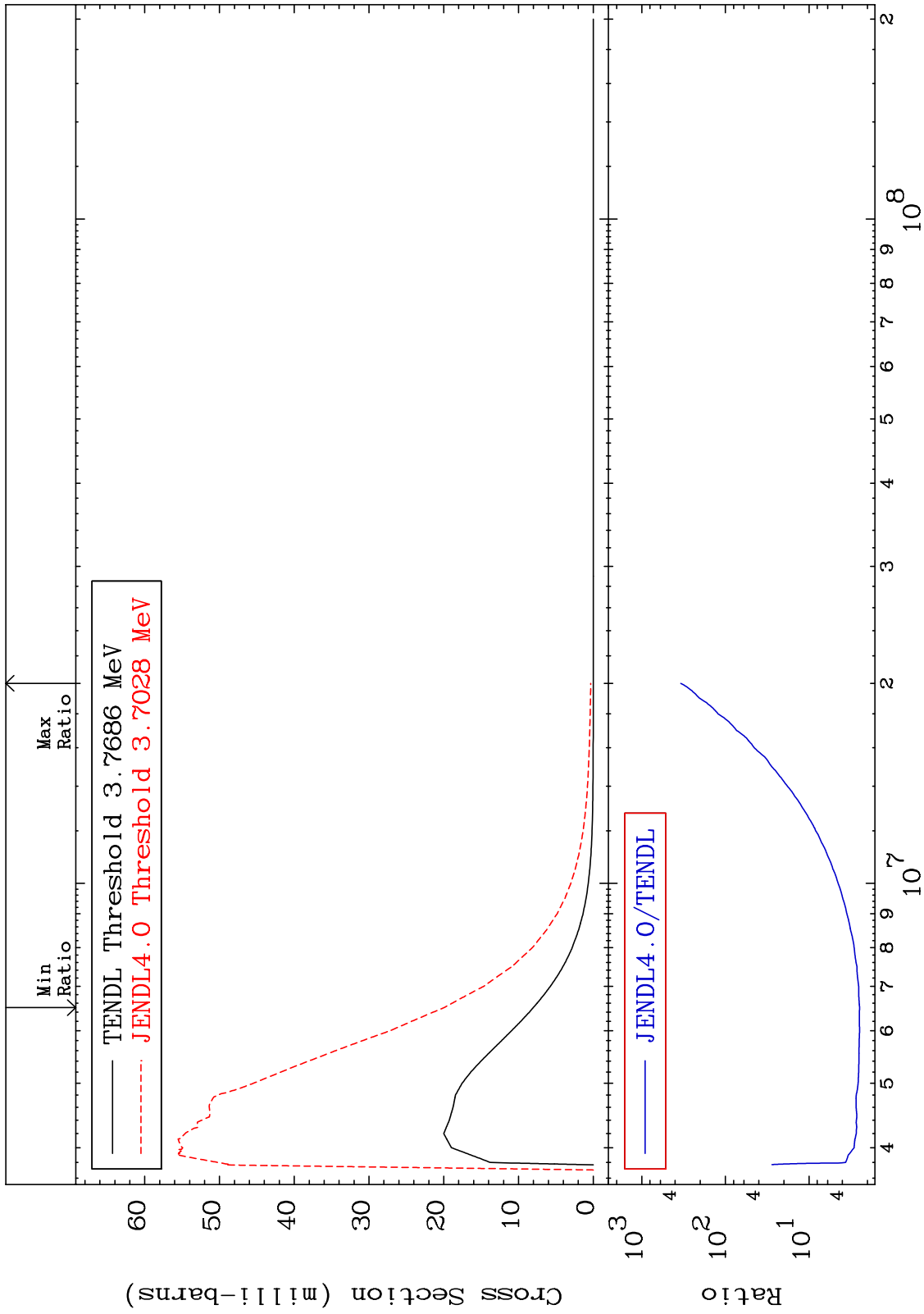
MAT 2425 MT= 59 (n,n') Level Cross Section -75.79 To 4508. % 24-Cr-50



MAT 2425

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

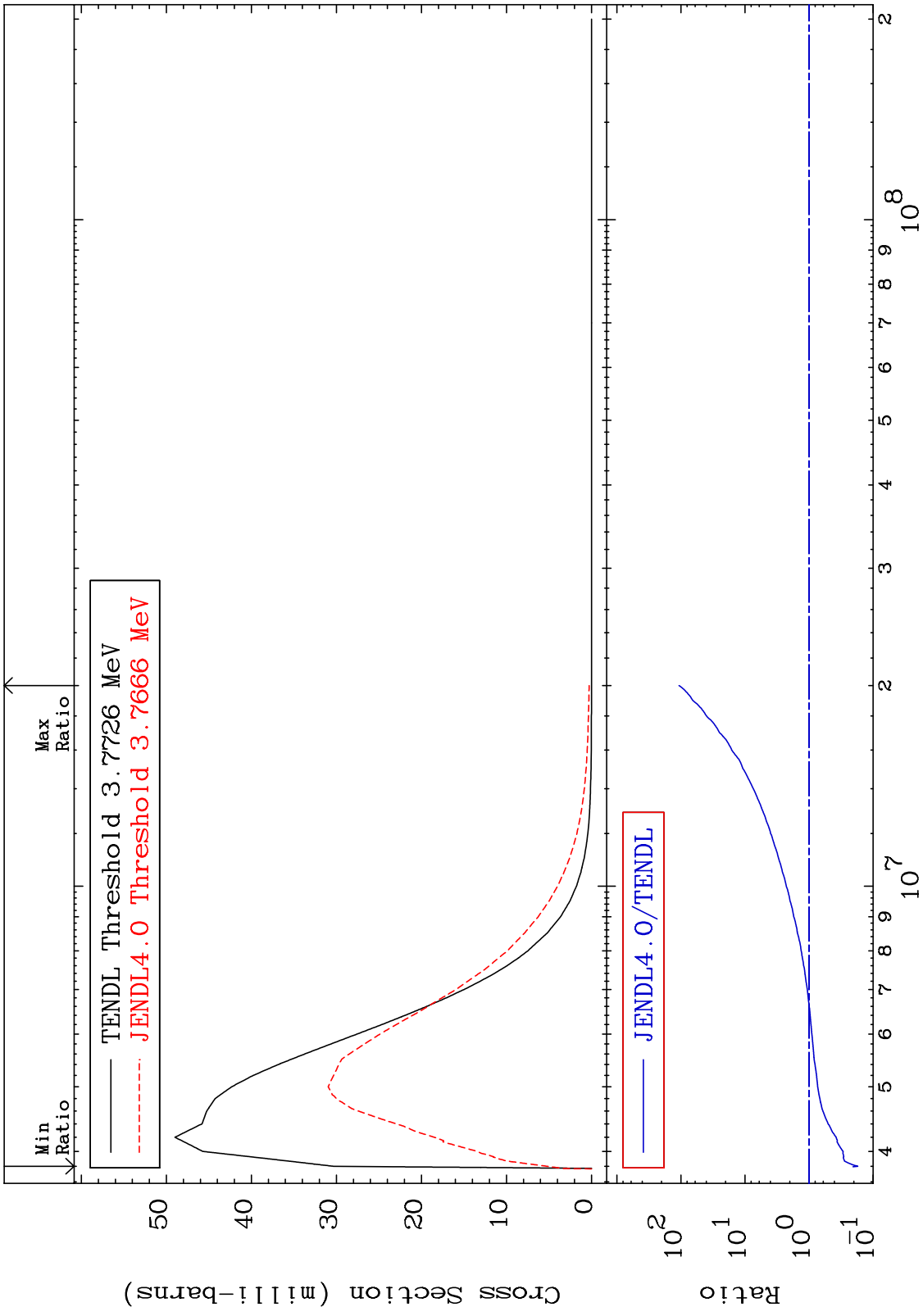
24-Cr-50  
148.5 To 9999. %



17

24-Cr-50

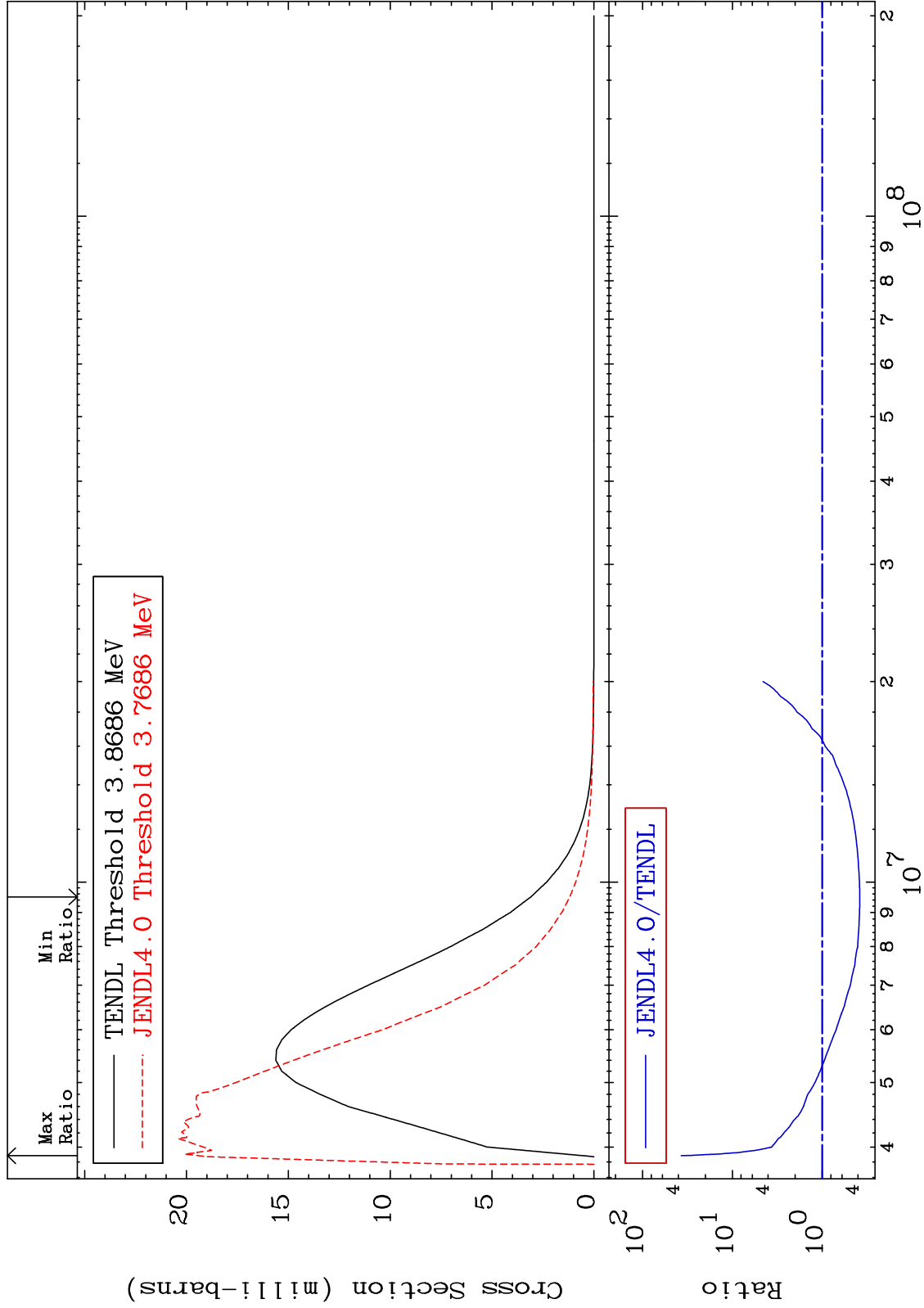
MAT 2425 MT= 61 (n,n') Level Cross Section -82.72 To 9999. % 24-Cr-50



MAT 2425

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

24-Cr-50  
-61.87 To 3611. %



19

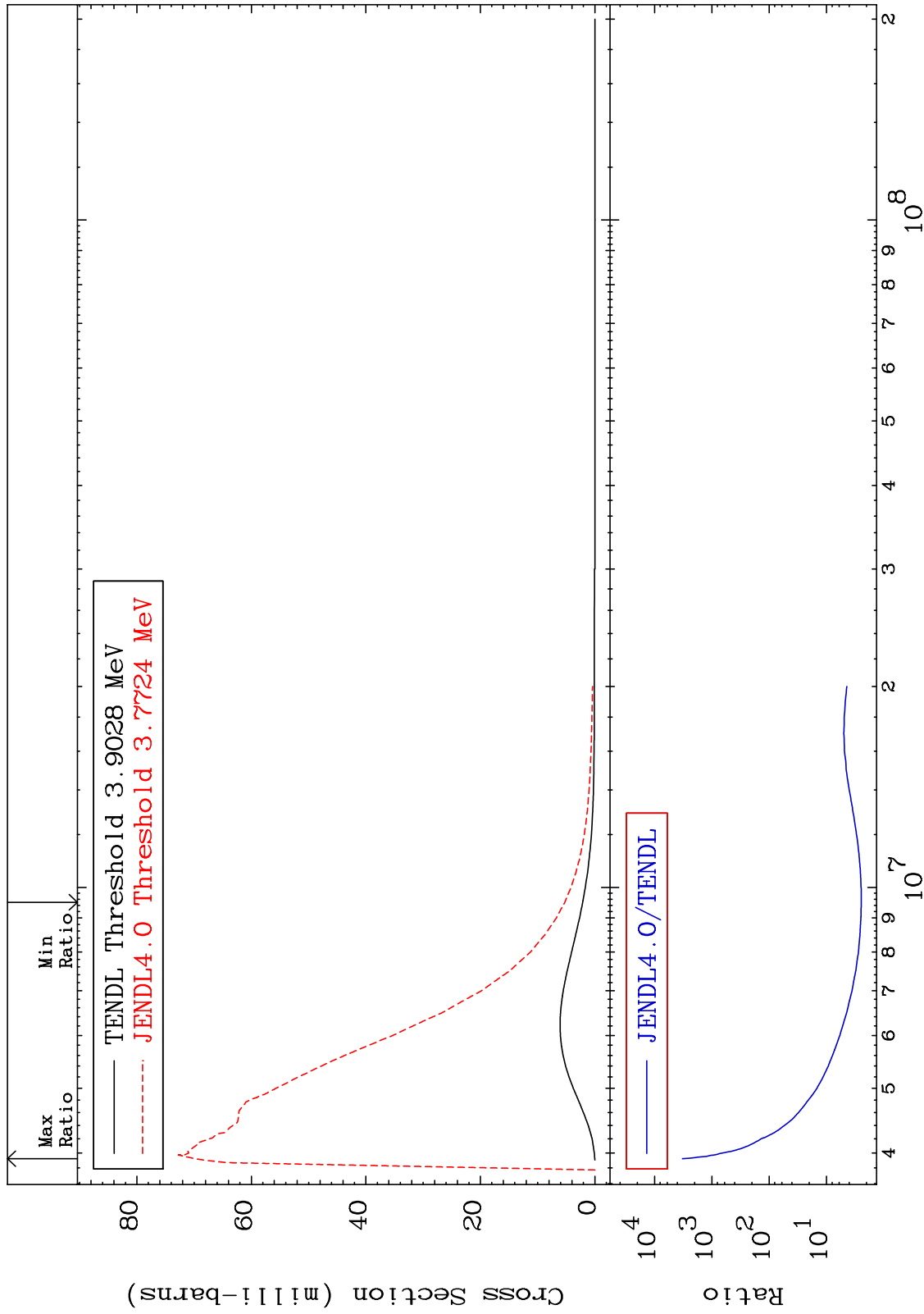
Incident Energy (eV)

24-Cr-50

MAT 2425

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

24-Cr-50  
147.2 To 9999. %

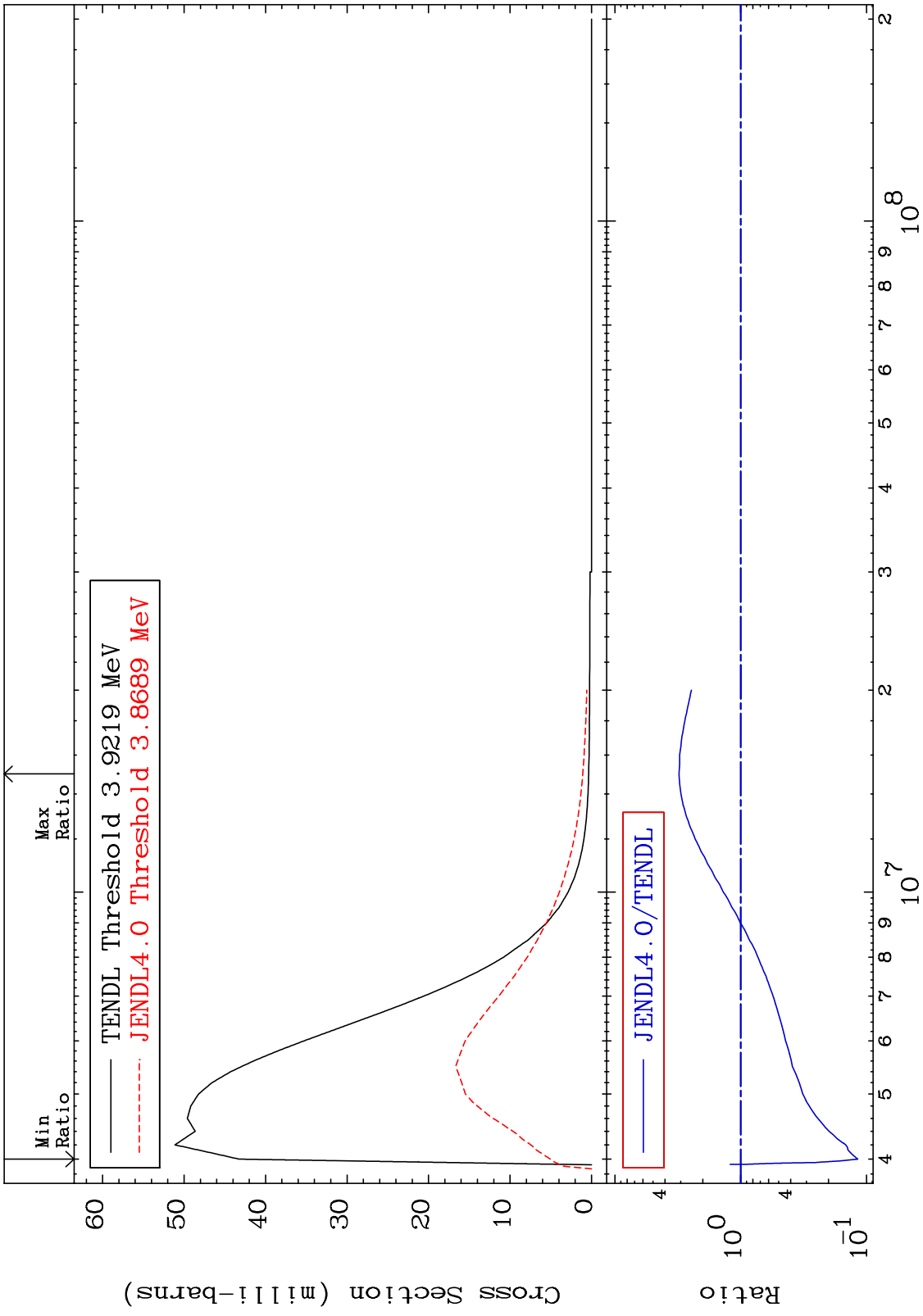


20

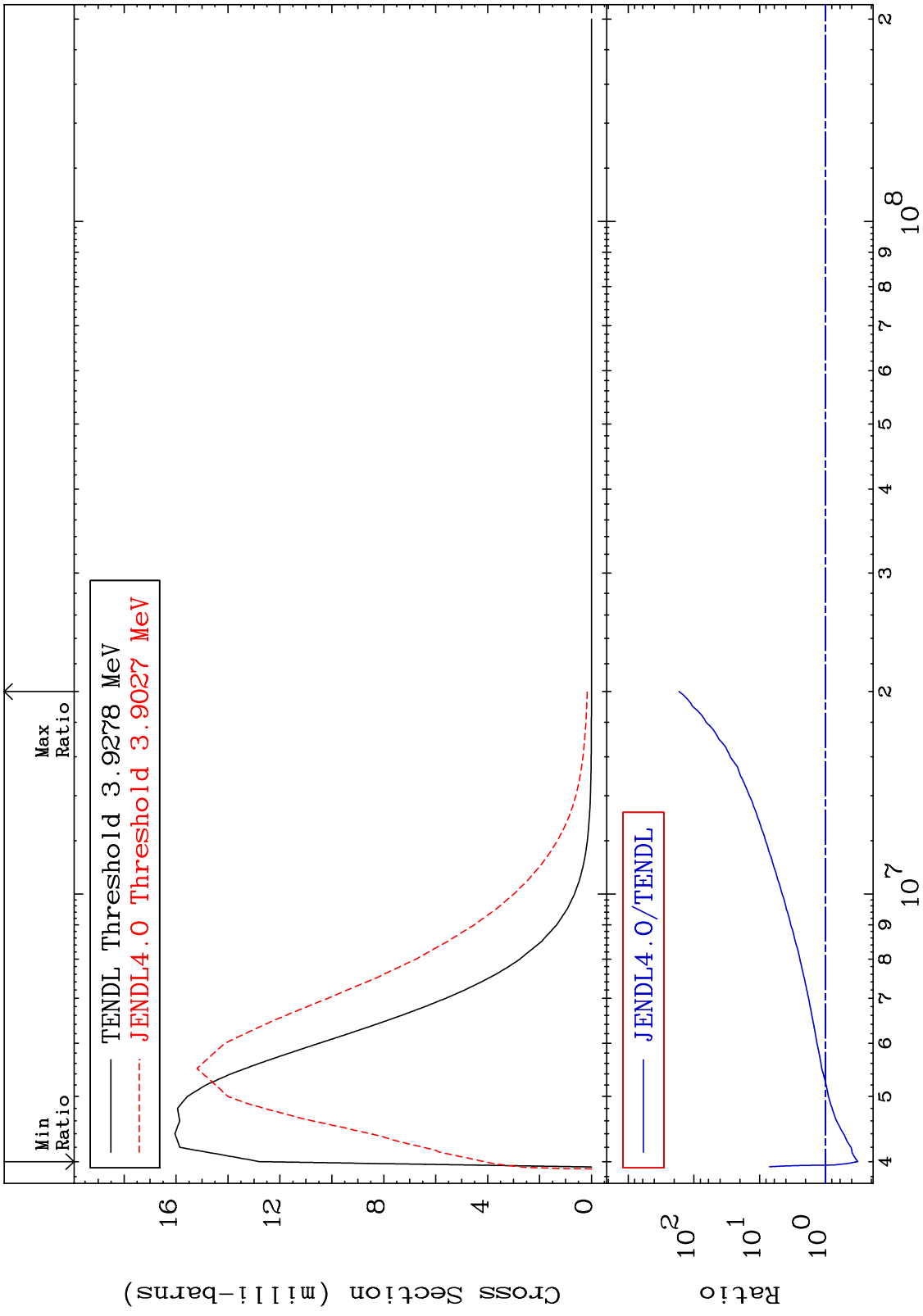
Incident Energy (eV)

24-Cr-50

MAT 2425 MT= 64 (n,n') Level Cross Section -88.30 To 209.5 % 24-Cr-50



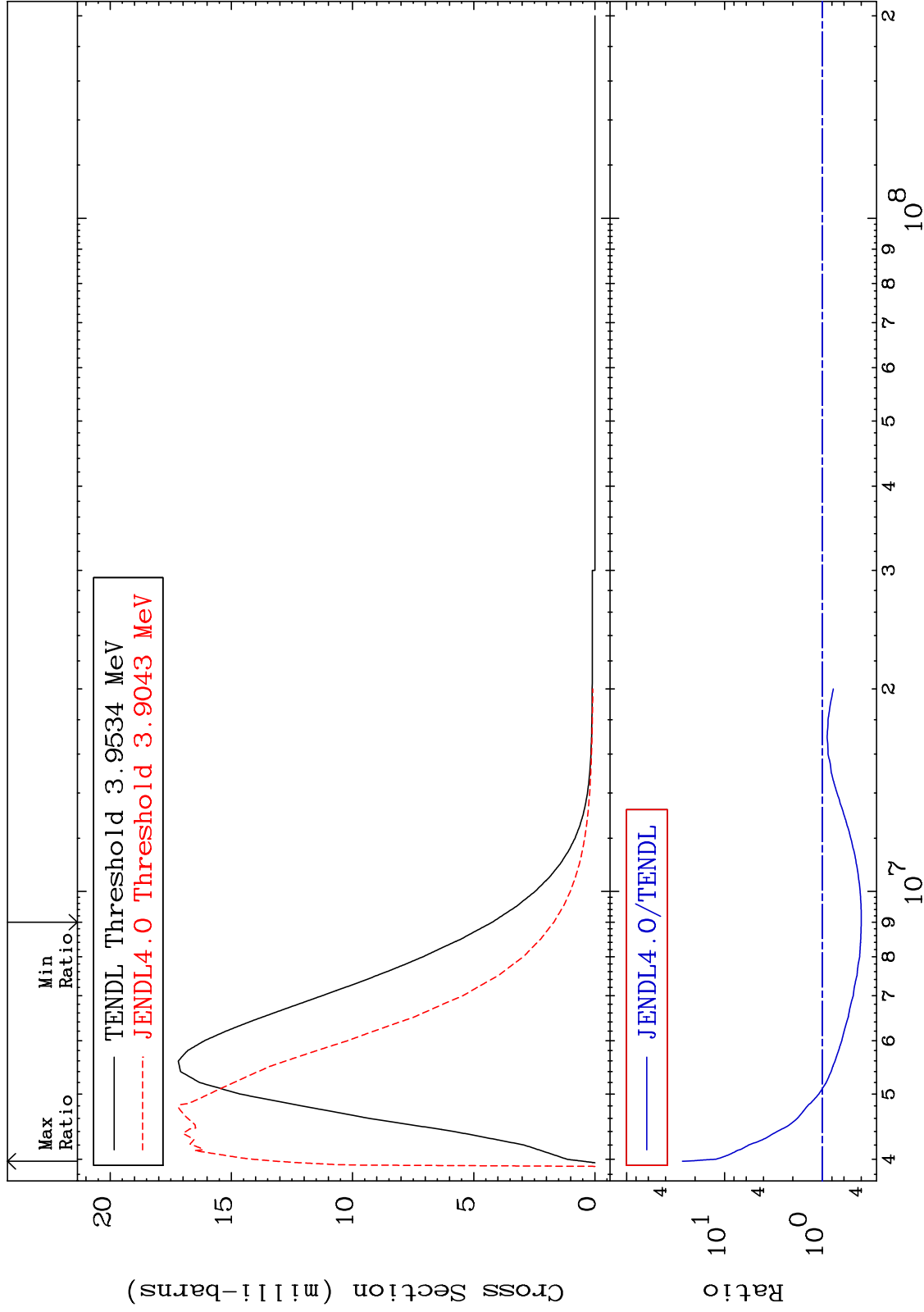
MAT 2425 MT= 65 (n,n') Level Cross Section -67.85 To 9999. % 24-Cr-50



MAT 2425

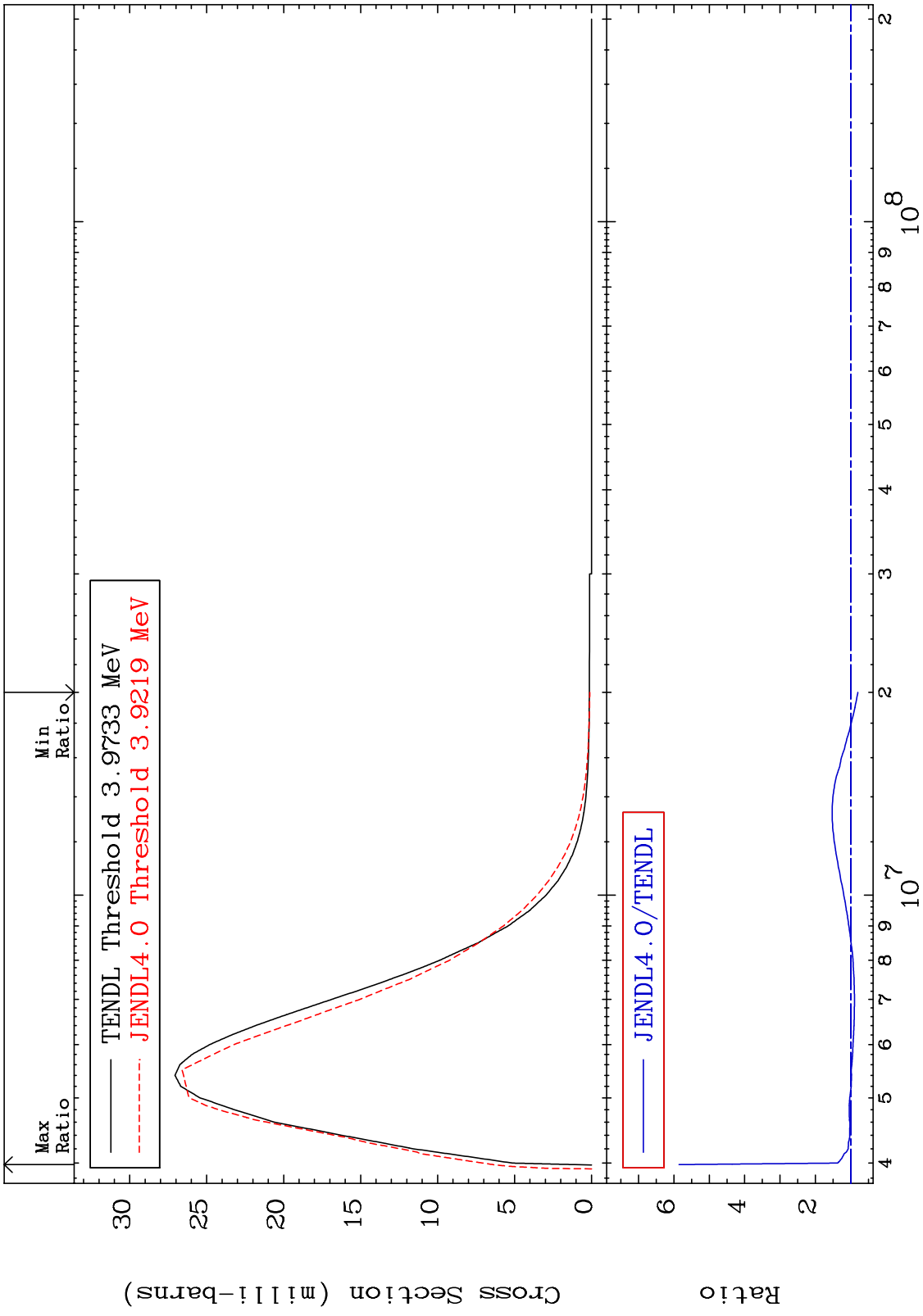
MT= 66 (n,n') Level  
Cross Section

24-Cr-50  
-59.98 To 2588. %

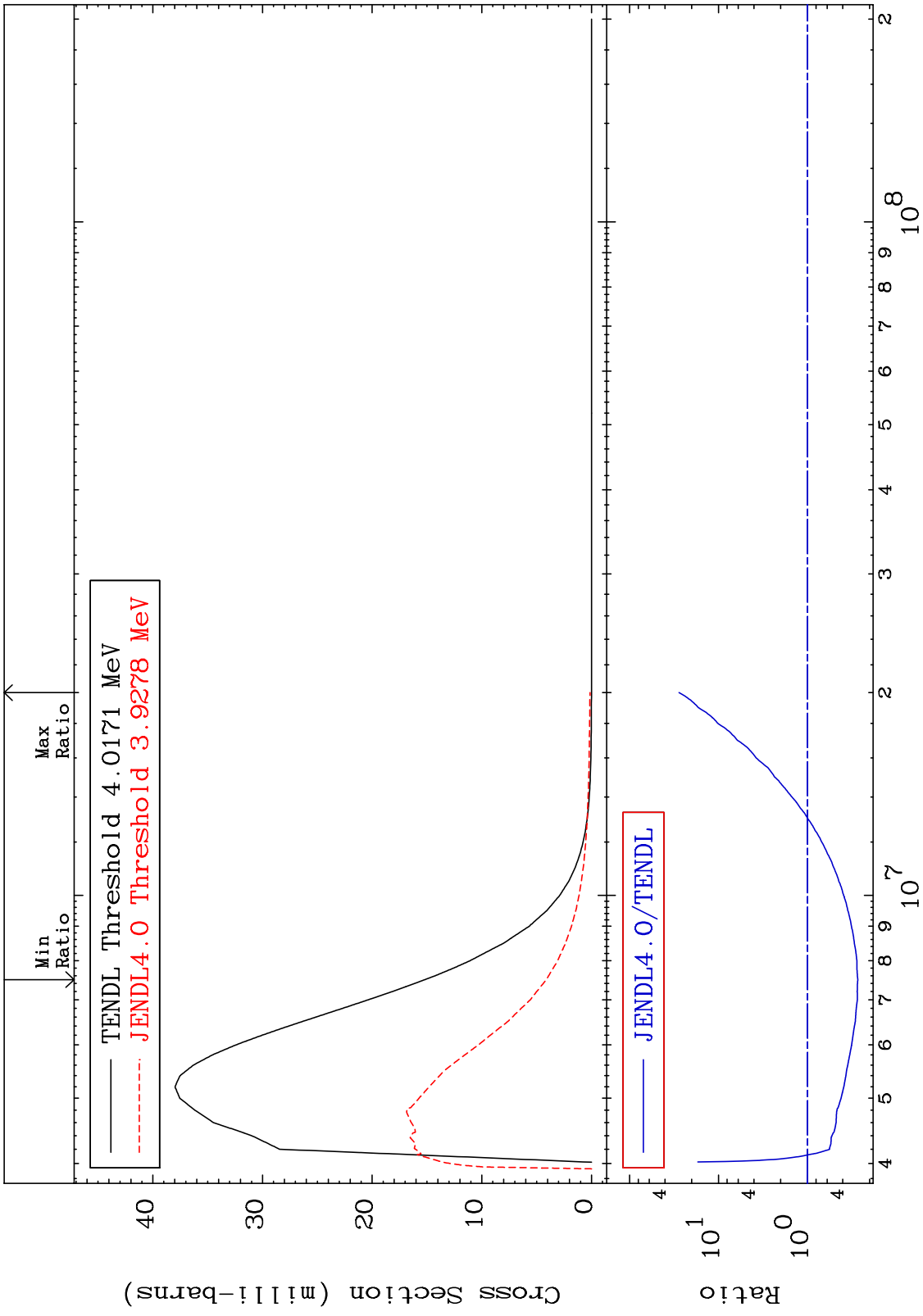




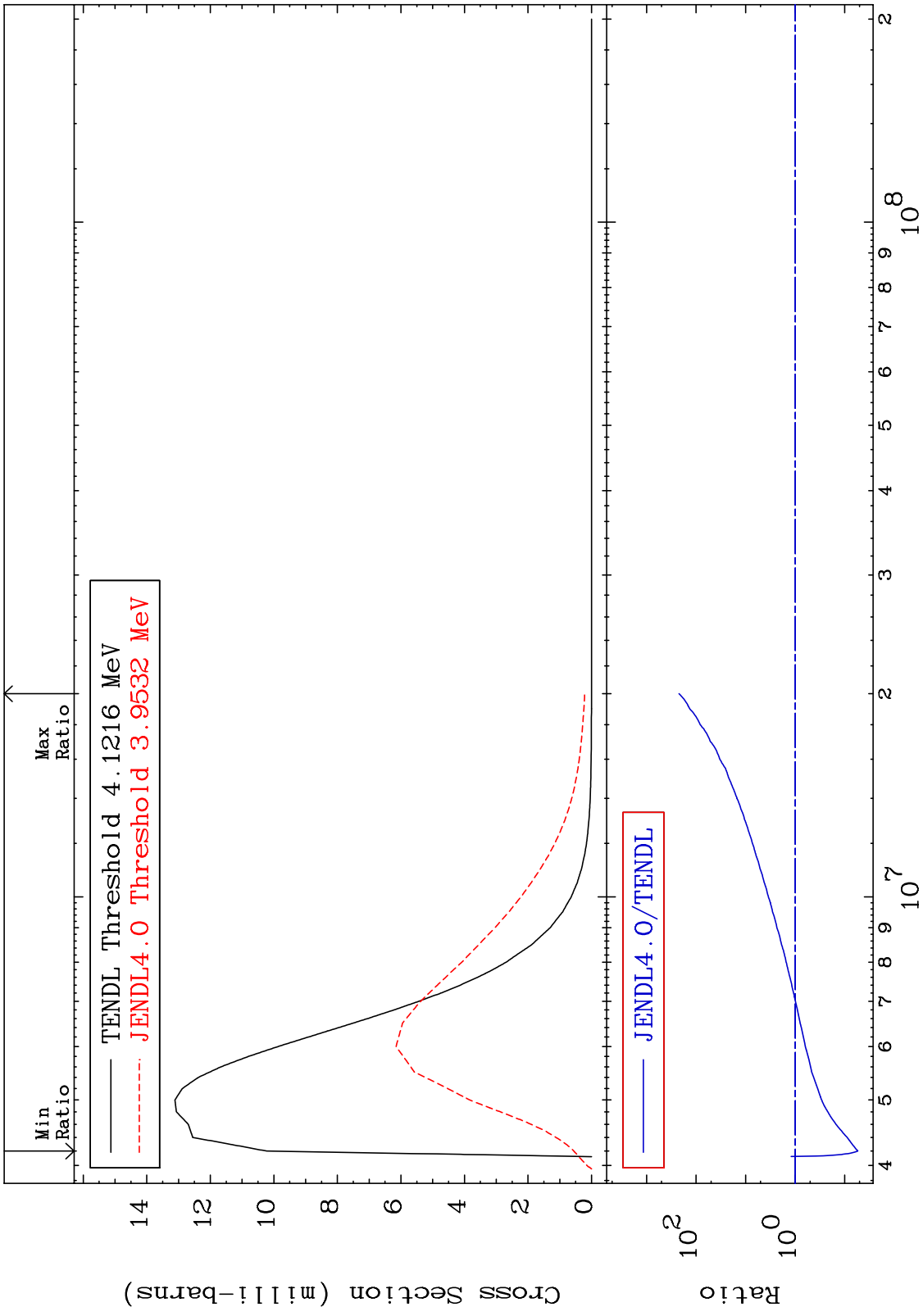
MAT 2425 MT= 67 (n,n') Level Cross Section -20.07 To 485.6 % 24-Cr-50



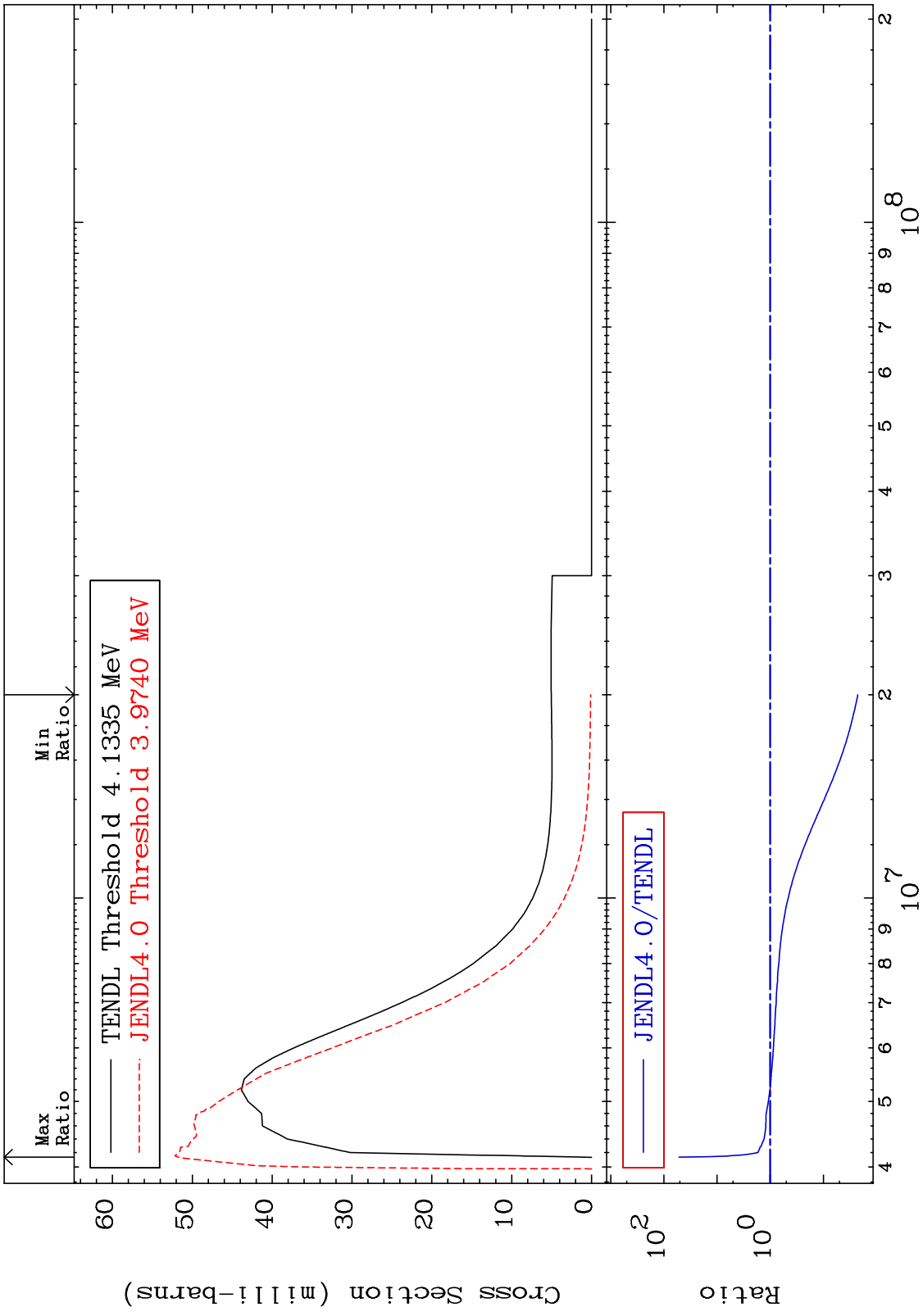
MAT 2425 MT= 68 (n,n') Level Cross Section -72.90 To 2679. % 24-Cr-50



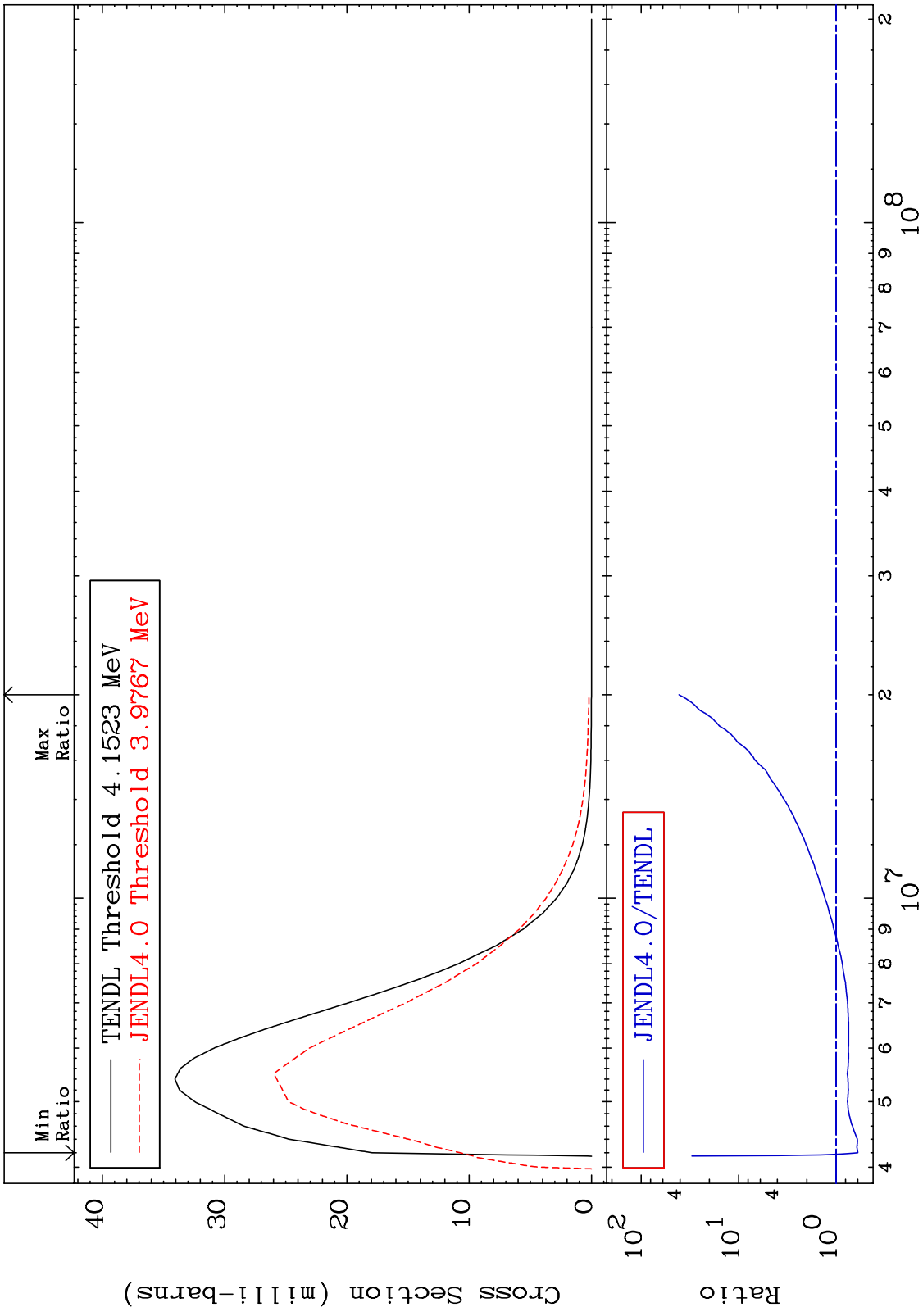
MAT 2425      MT= 69 (n,n') Level Cross Section      24-Cr-50  
 -94.58 To 9999. %



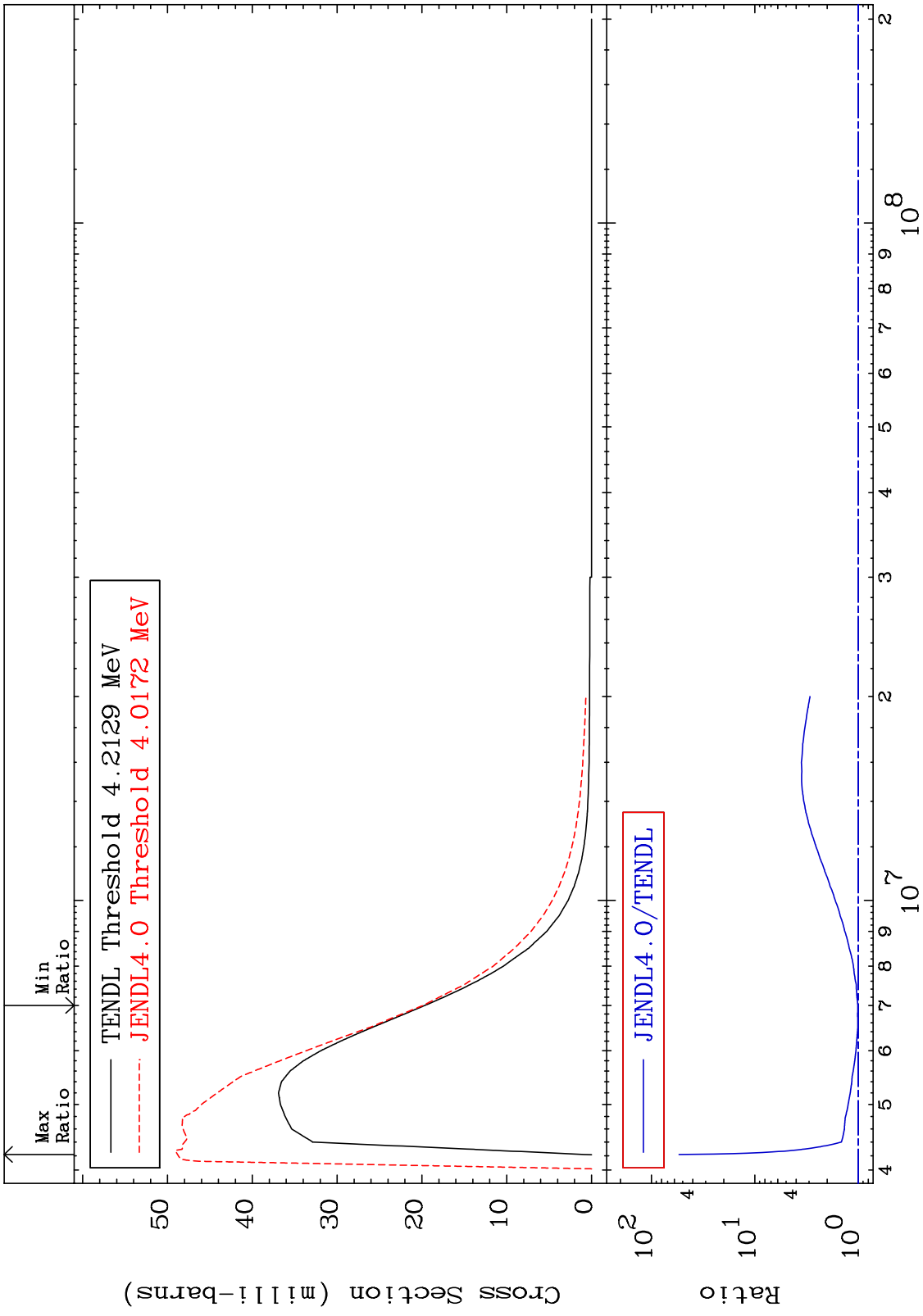
MAT 2425 MT= 70 (n,n') Level Cross Section 24-Cr-50  
 -97.75 To 5084. %



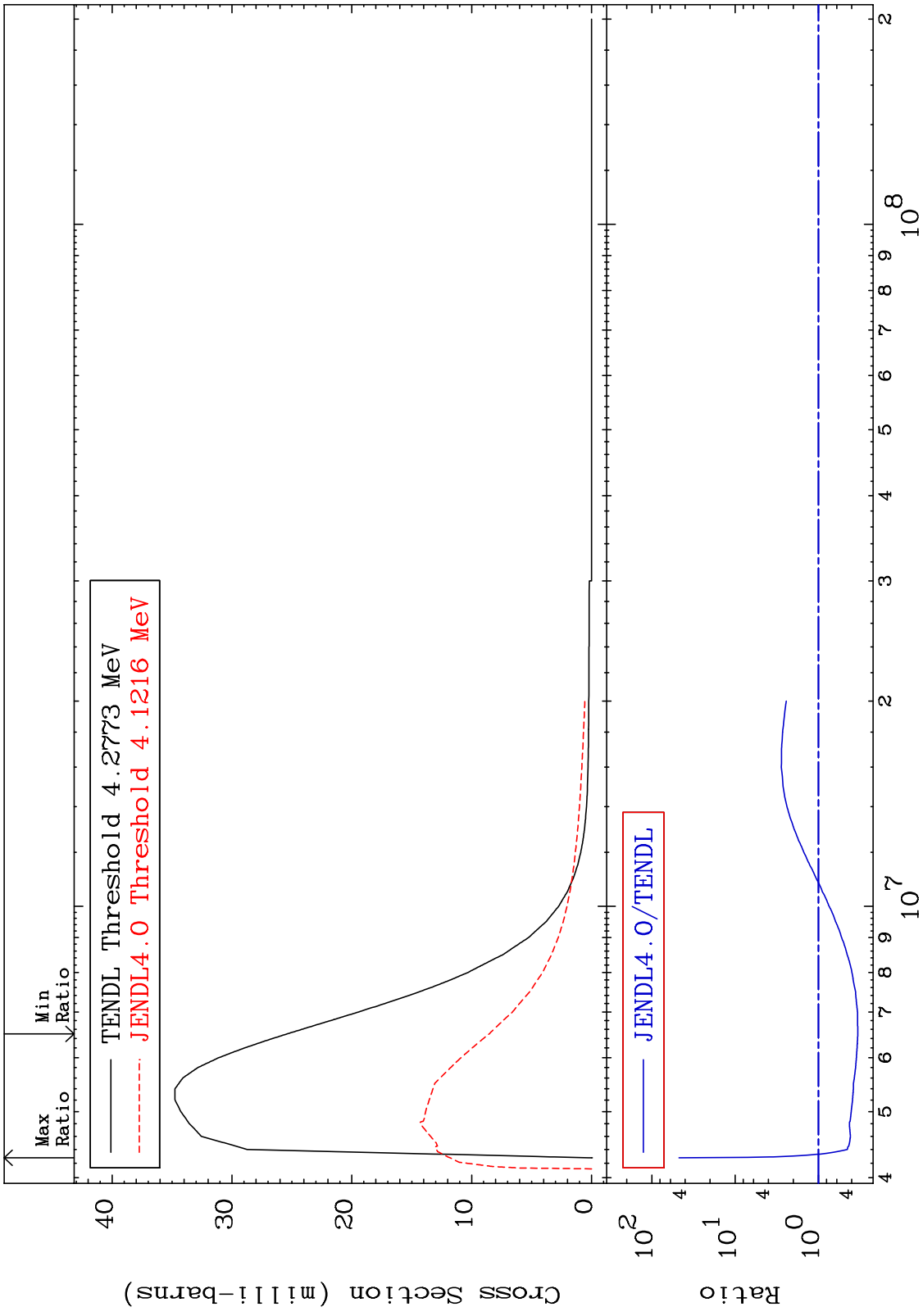
MAT 2425 MT= 71 (n,n') Level Cross Section -40.11 To 3990. % 24-Cr-50



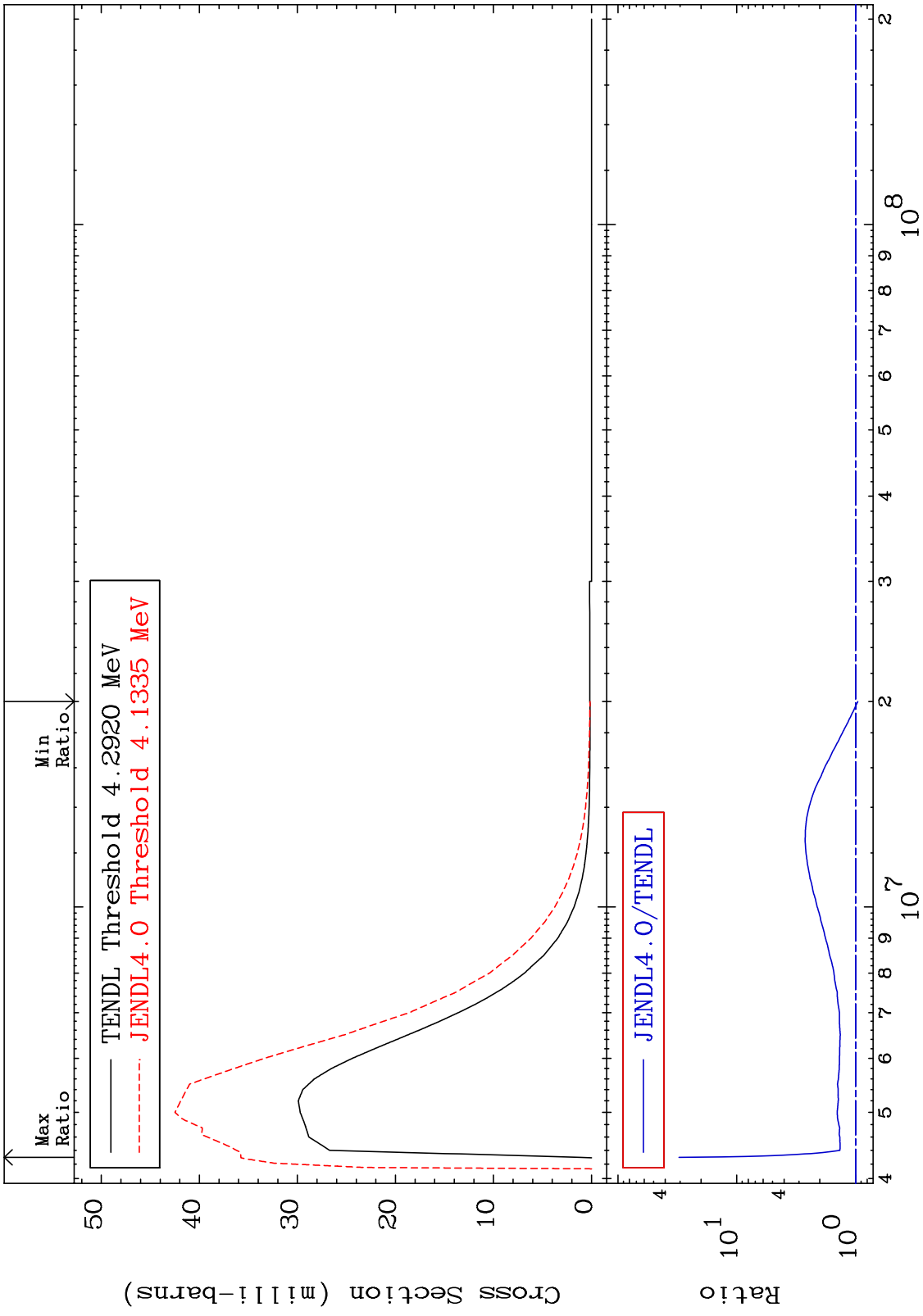
MAT 2425 MT= 72 (n,n') Level Cross Section 24-Cr-50 1.012 To 5316. %



MAT 2425 MT= 73 (n,n') Level Cross Section -66.37 To 4618. % 24-Cr-50



MAT 2425 MT= 74 (n,n') Level Cross Section -4.177 To 2960. % 24-Cr-50

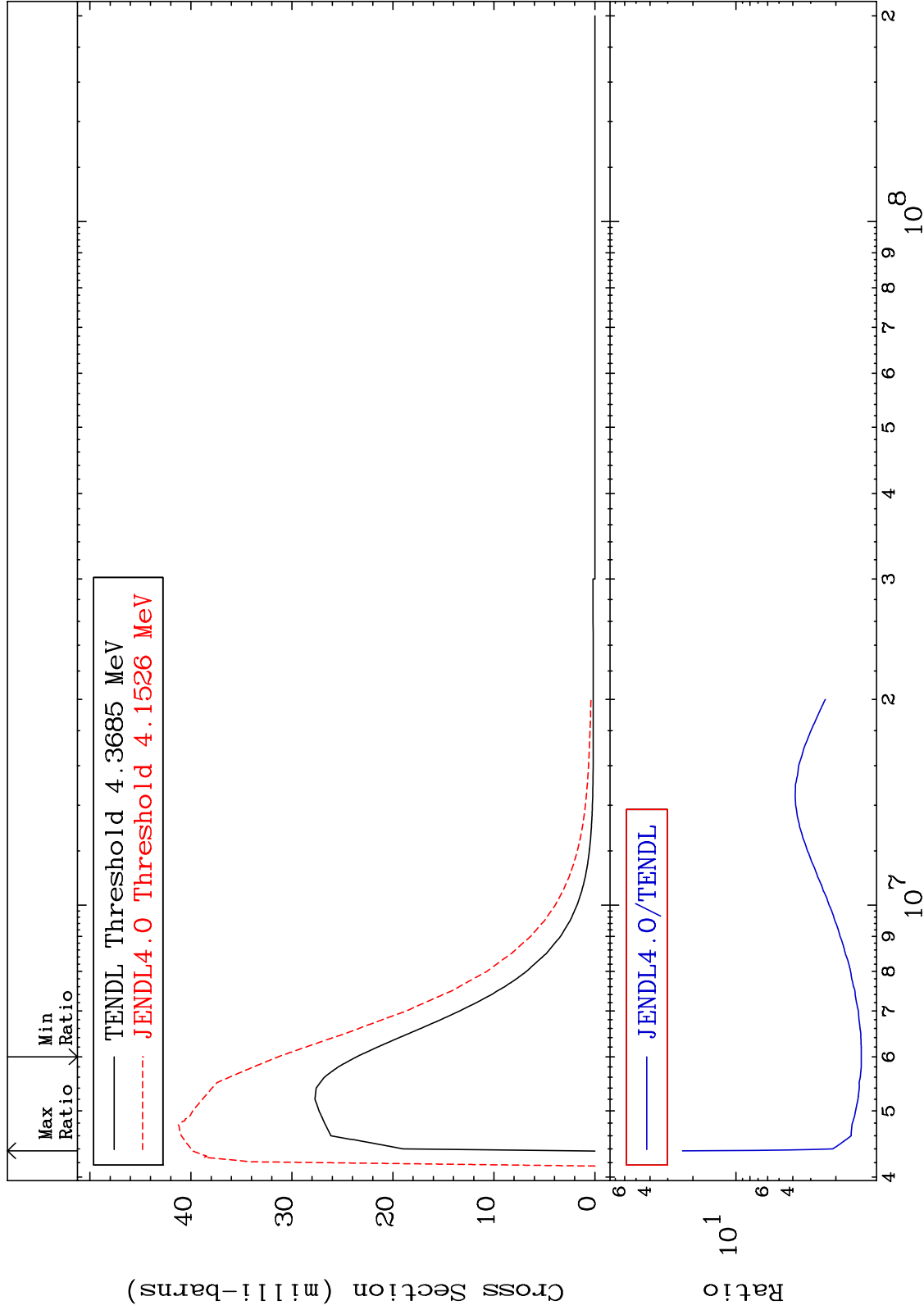




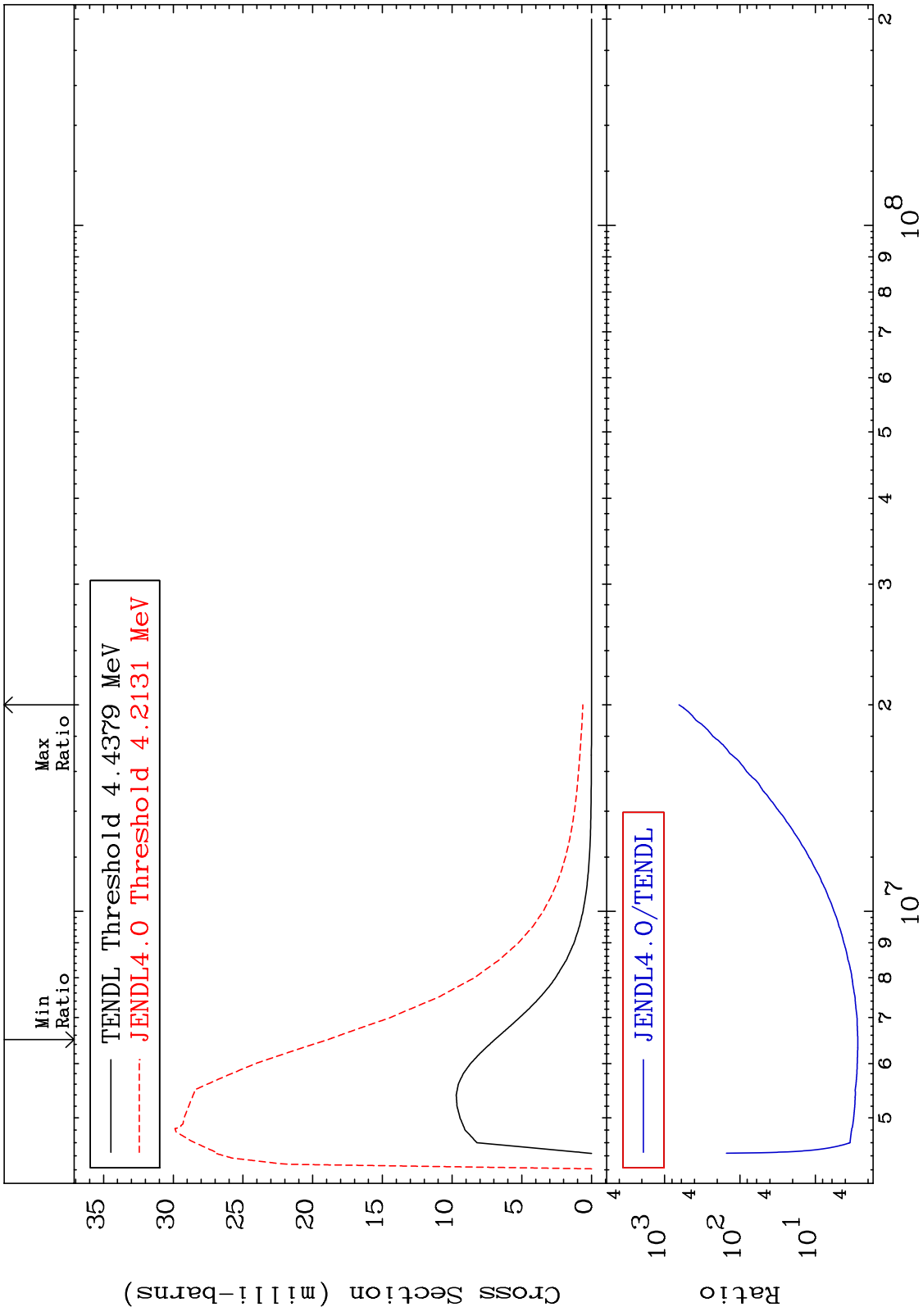
MAT 2425

MT= 75 (n,n') Level  
Cross Section

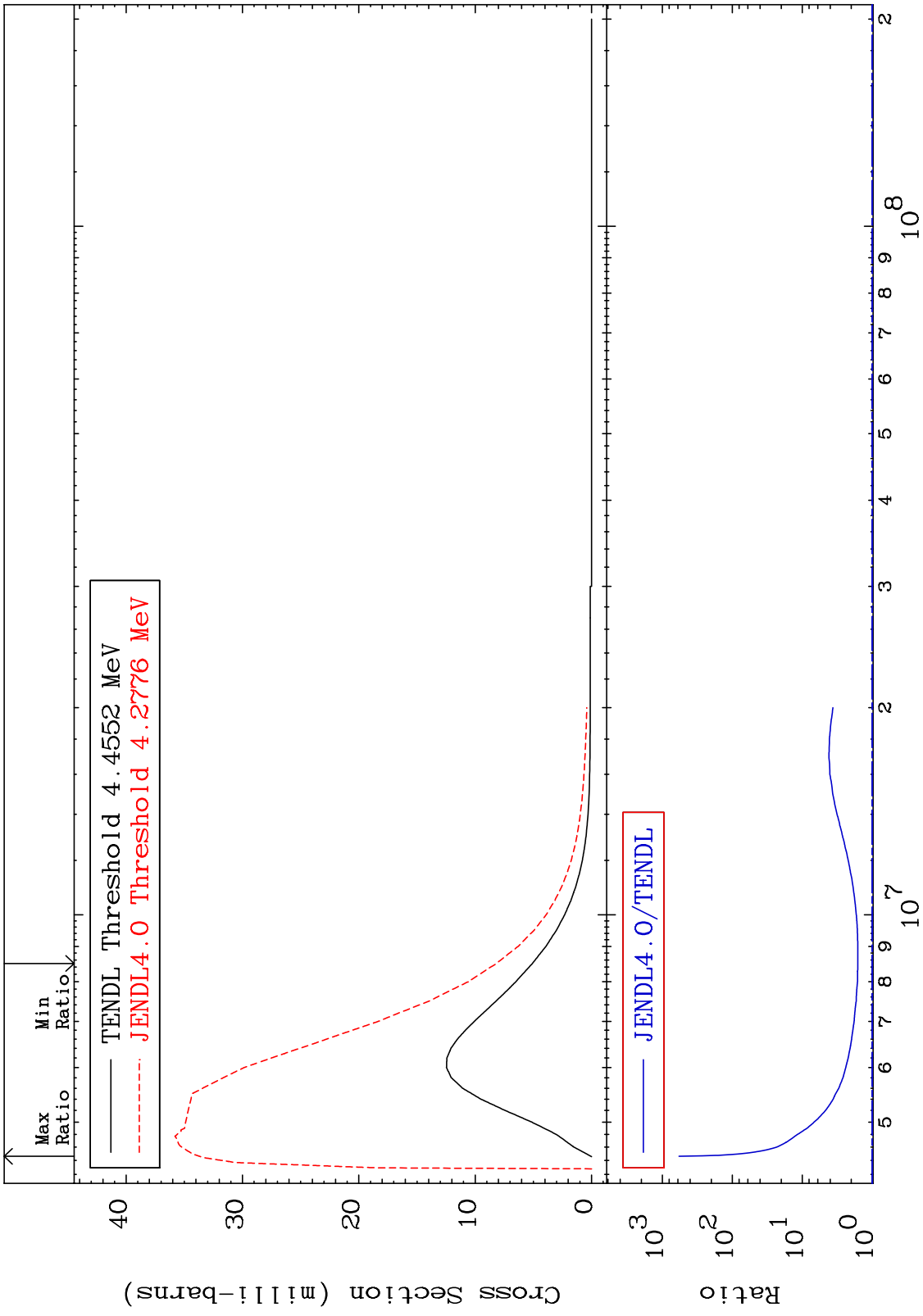
24-Cr-50  
32.90 To 2269. %



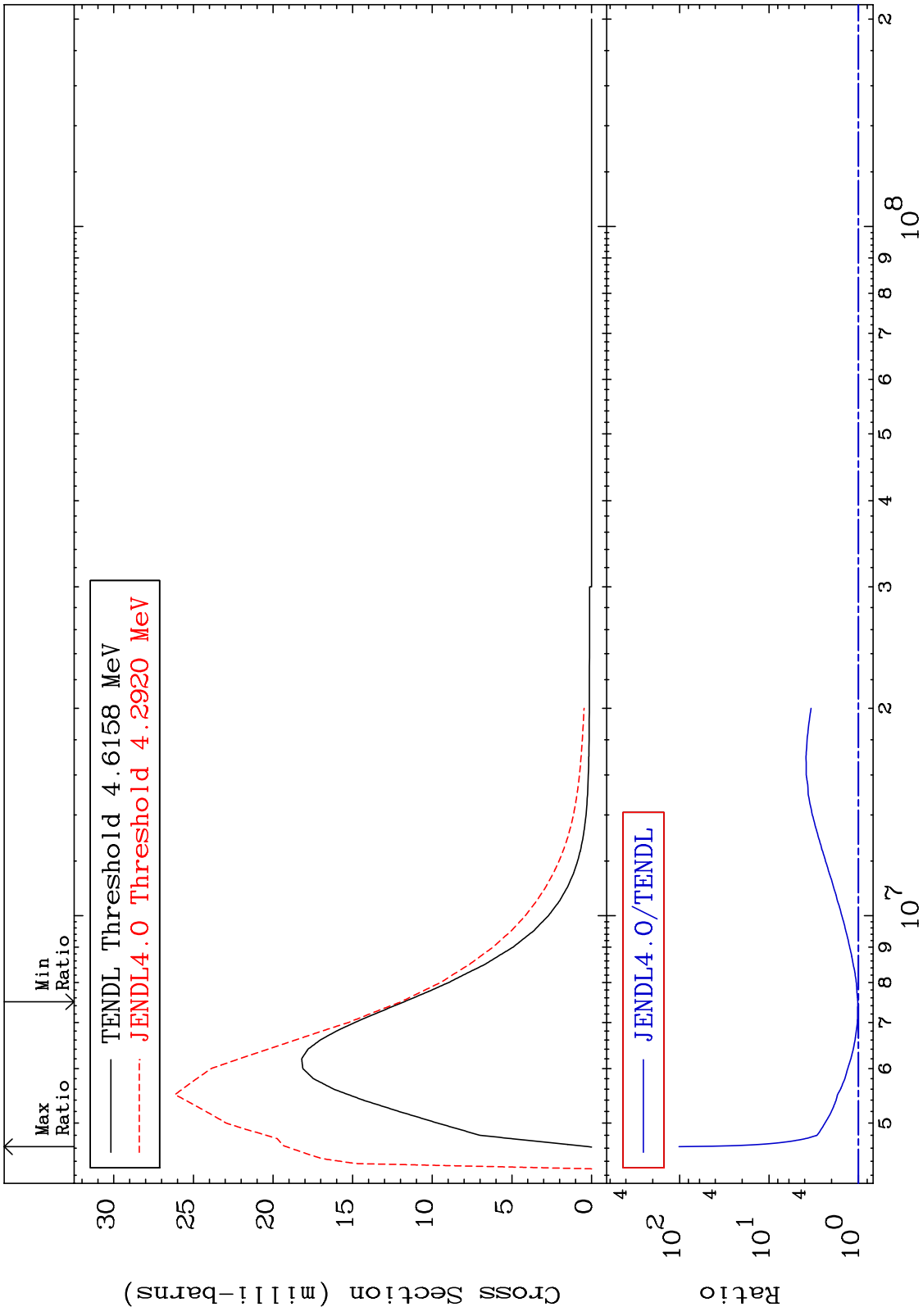
MAT 2425 MT= 76 (n,n') Level Cross Section 24-Cr-50  
 172.6 To 9999. %



MAT 2425 MT= 77 (n,n') Level Cross Section 24-Cr-50 60.91 To 9999. %



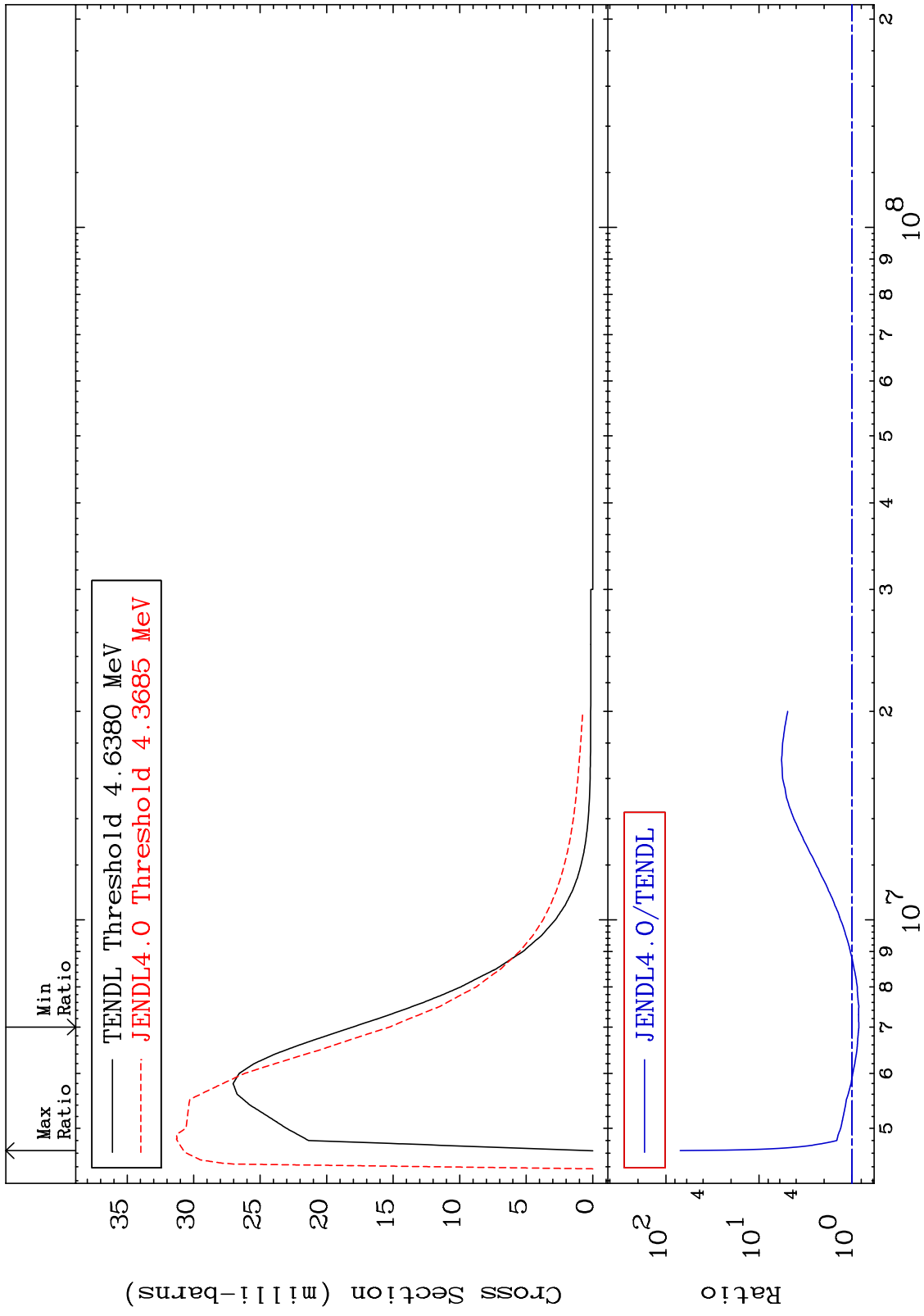
MAT 2425 MT= 78 (n,n') Level Cross Section 24-Cr-50  
 1.552 To 9999. %



MAT 2425

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

24-Cr-50  
-15.30 To 6929. %



36

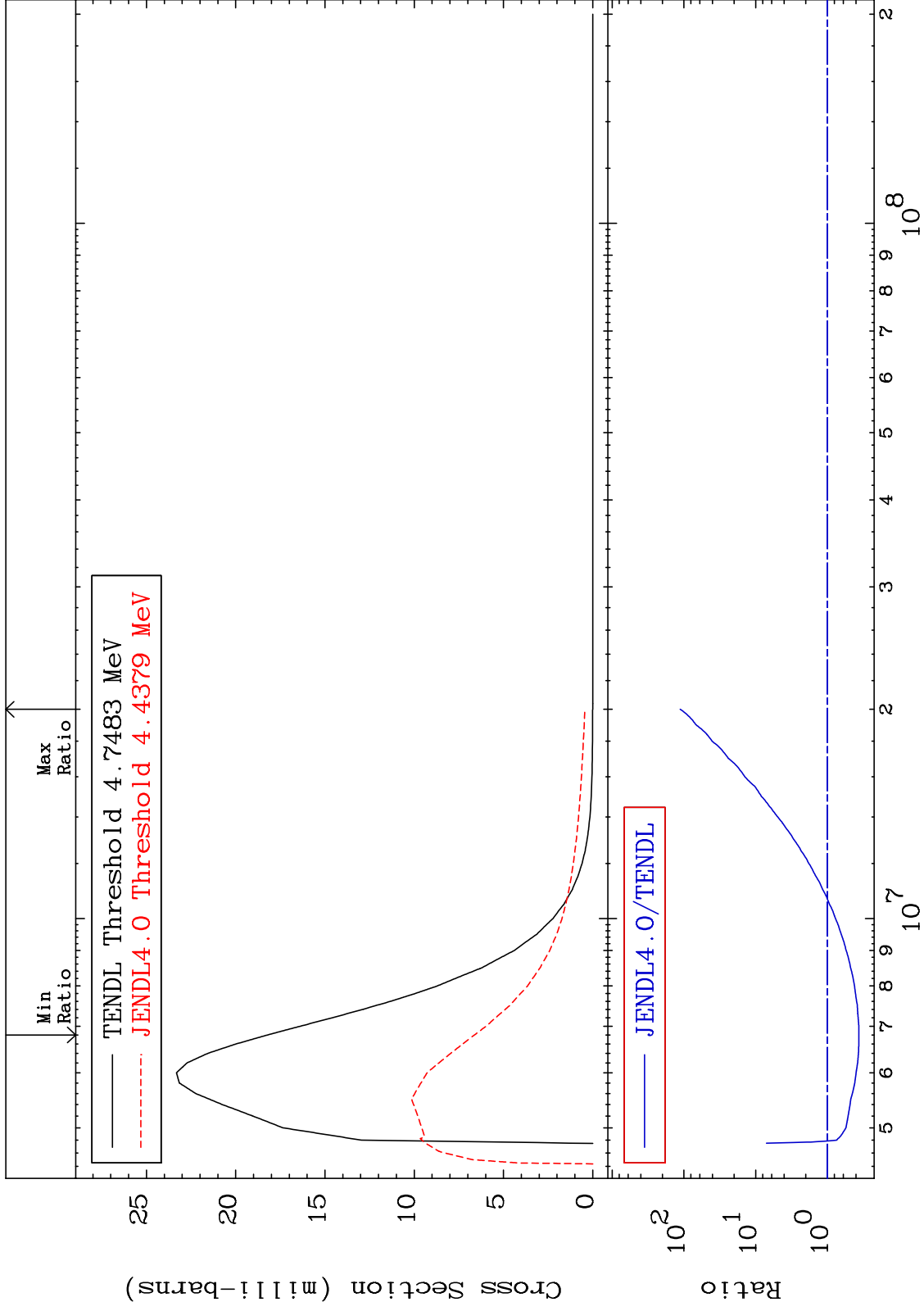
Incident Energy (eV)

24-Cr-50

MAT 2425

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

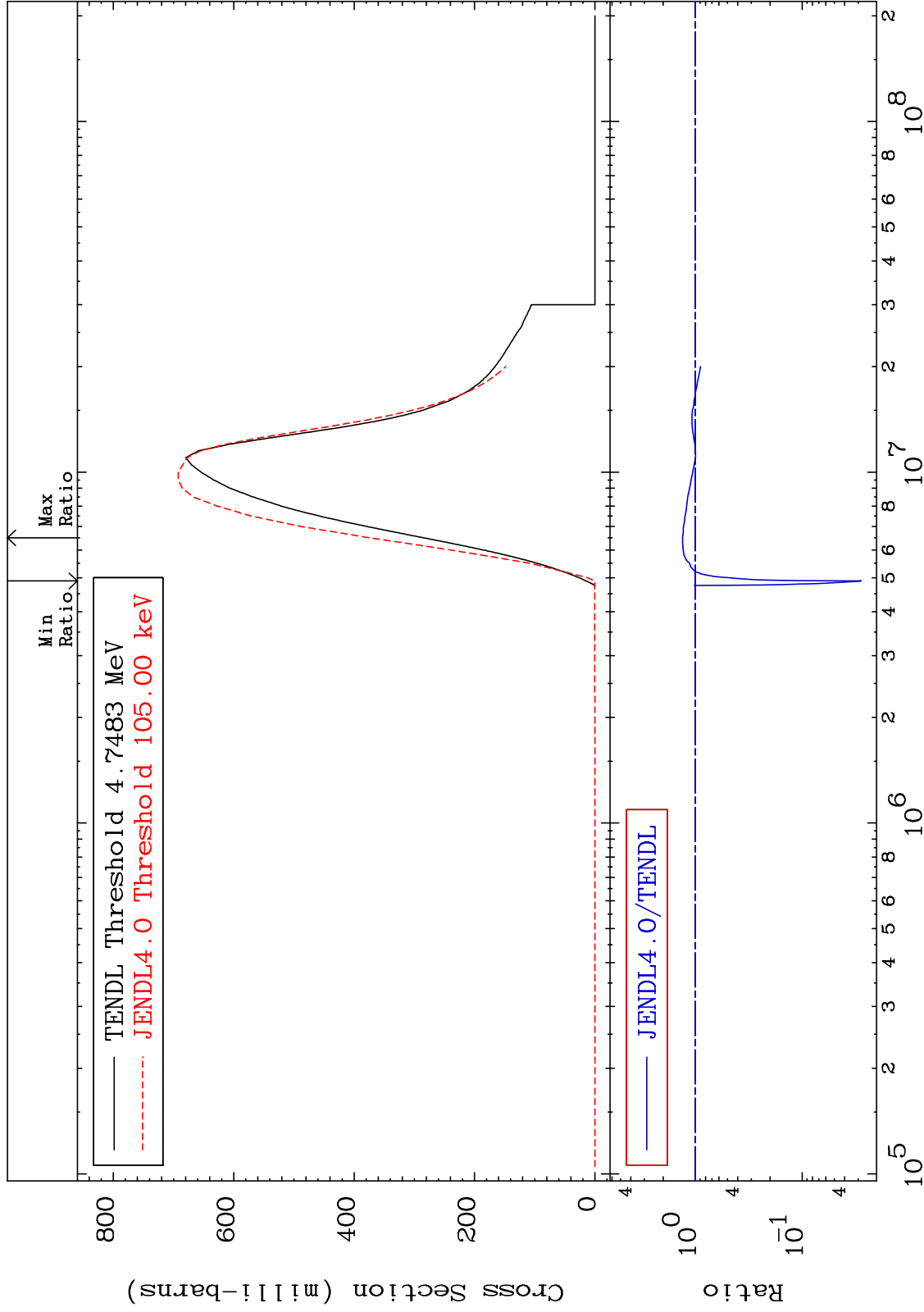
24-Cr-50  
-63.59 To 9999. %



MAT 2425

(n, n') Continuum  
Cross Section

24-Cr-50  
-97.20 To 31.73 %



38

Incident Energy (eV)

24-Cr-50

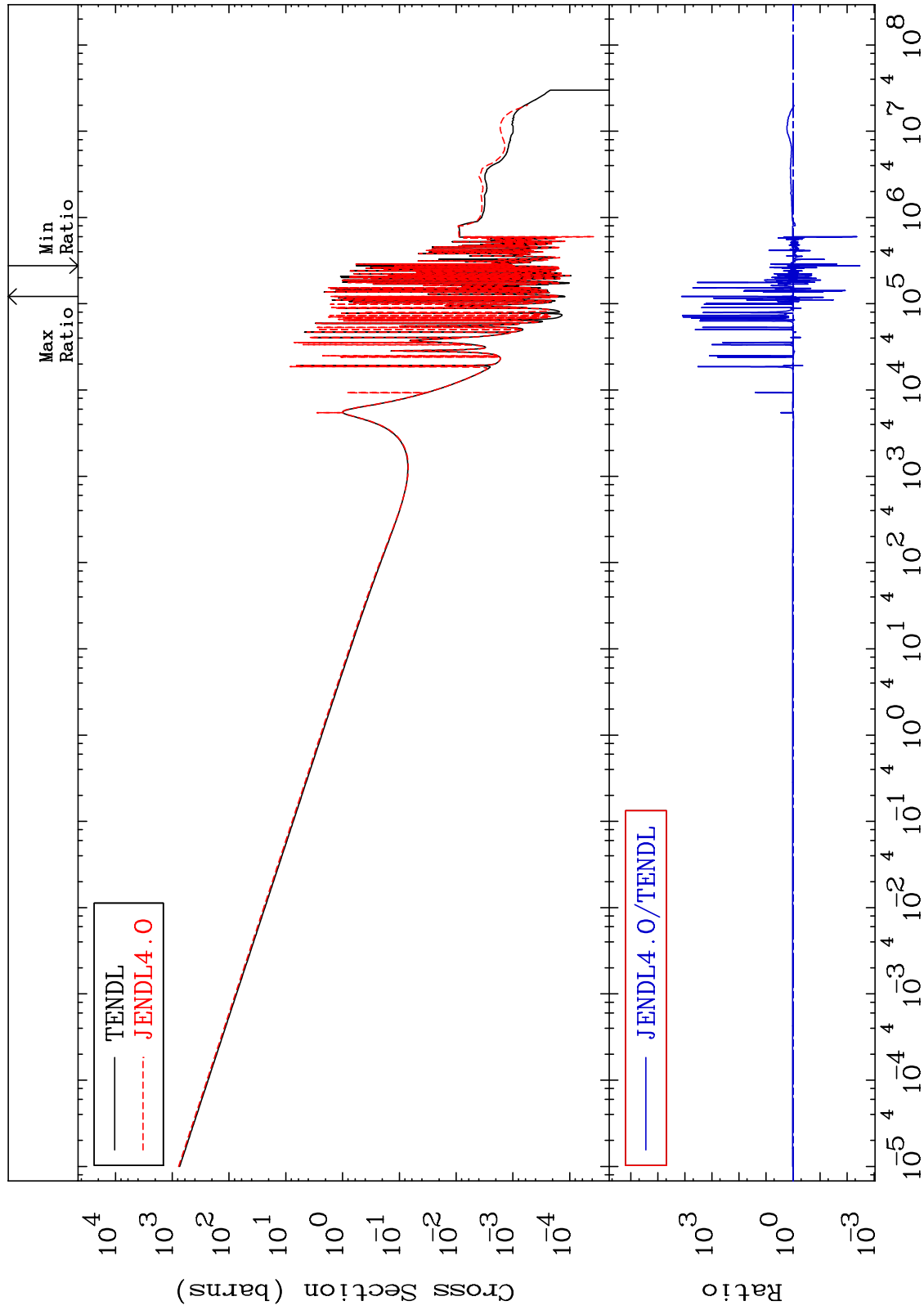
MAT 2425

(n,  $\gamma$ )

24-Cr-50

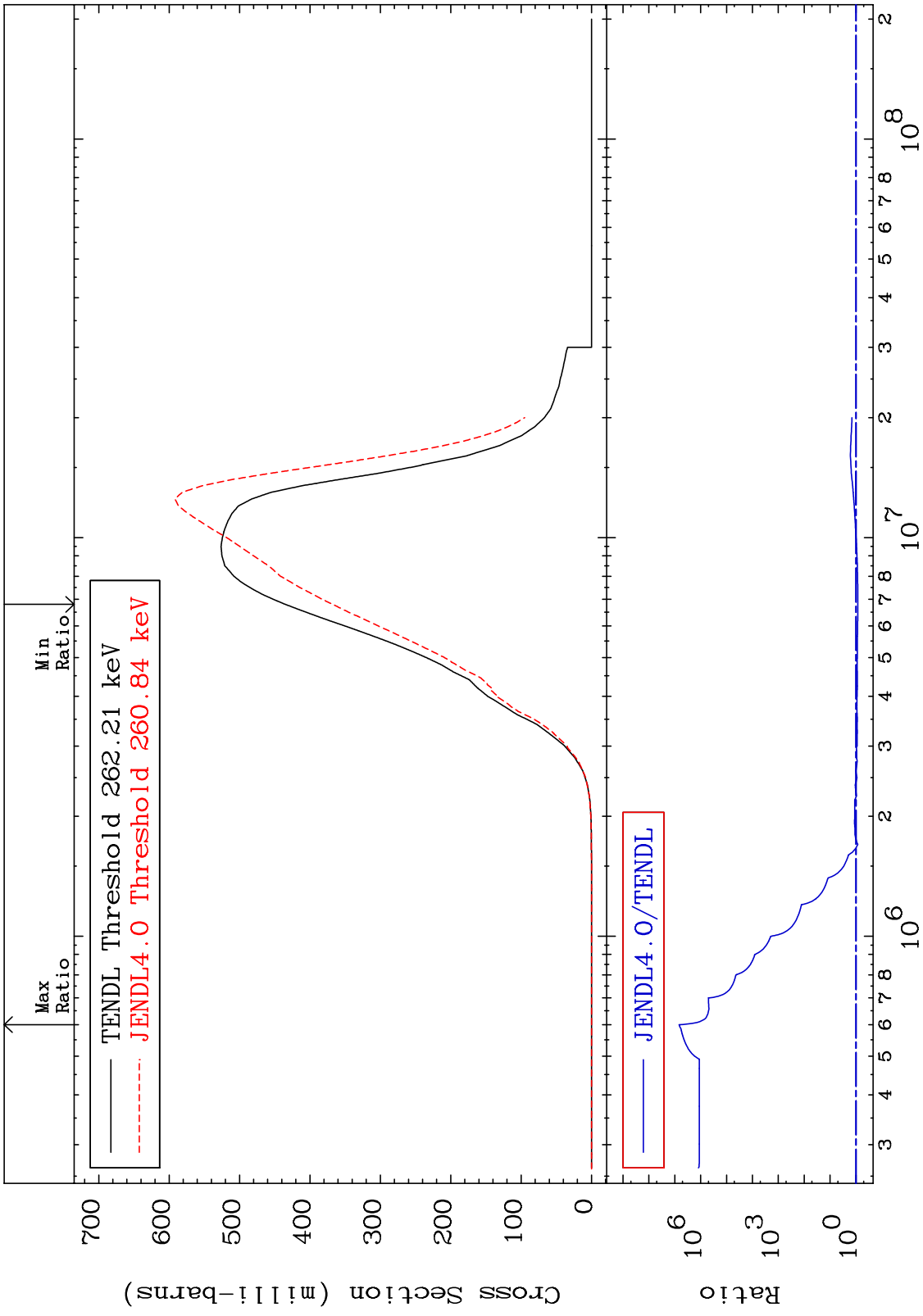
Cross Section

-99.66 To 9999. %



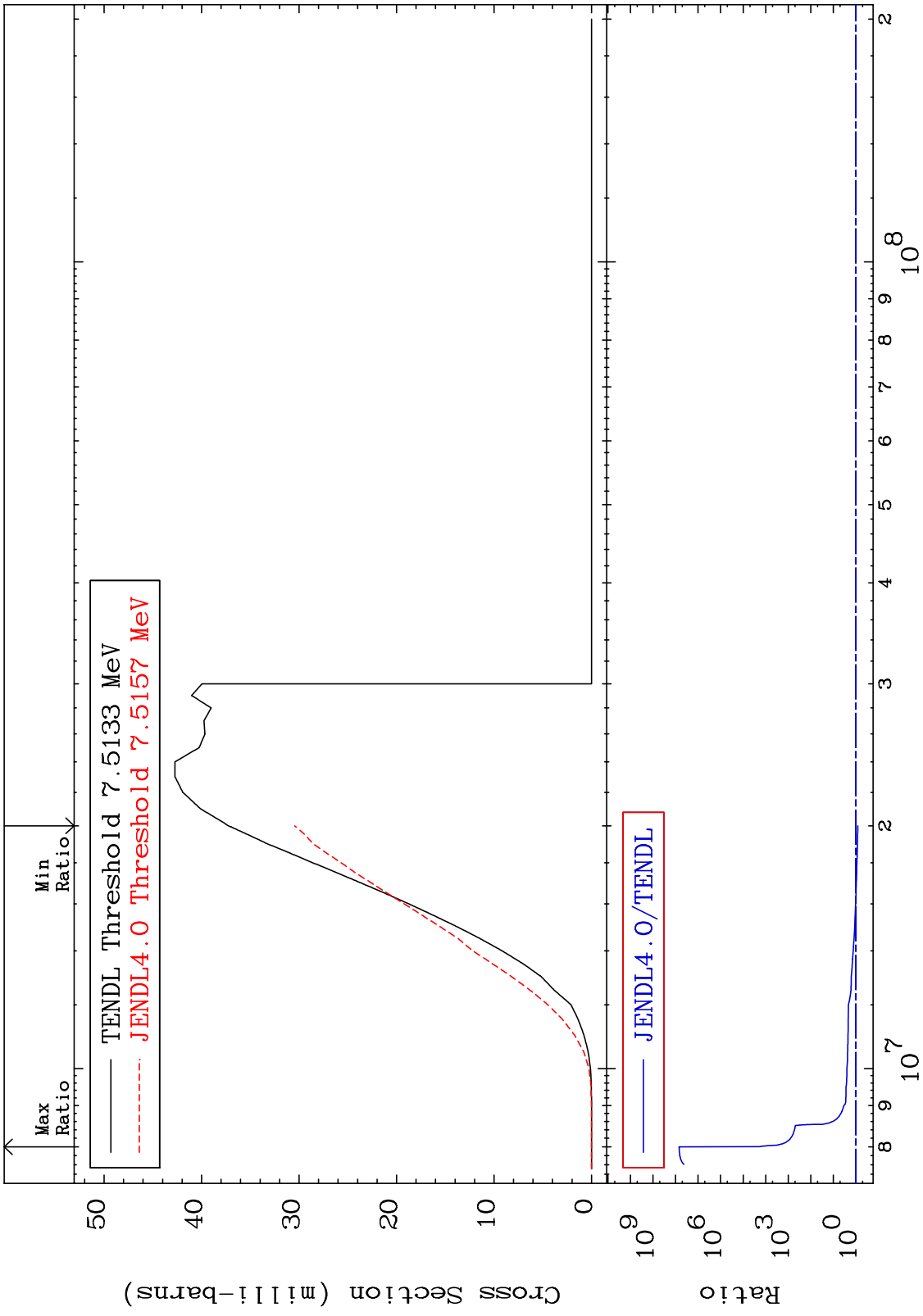


MAT 2425 (n,p) 24-Cr-50  
 Cross Section -15.50 To 9999. %

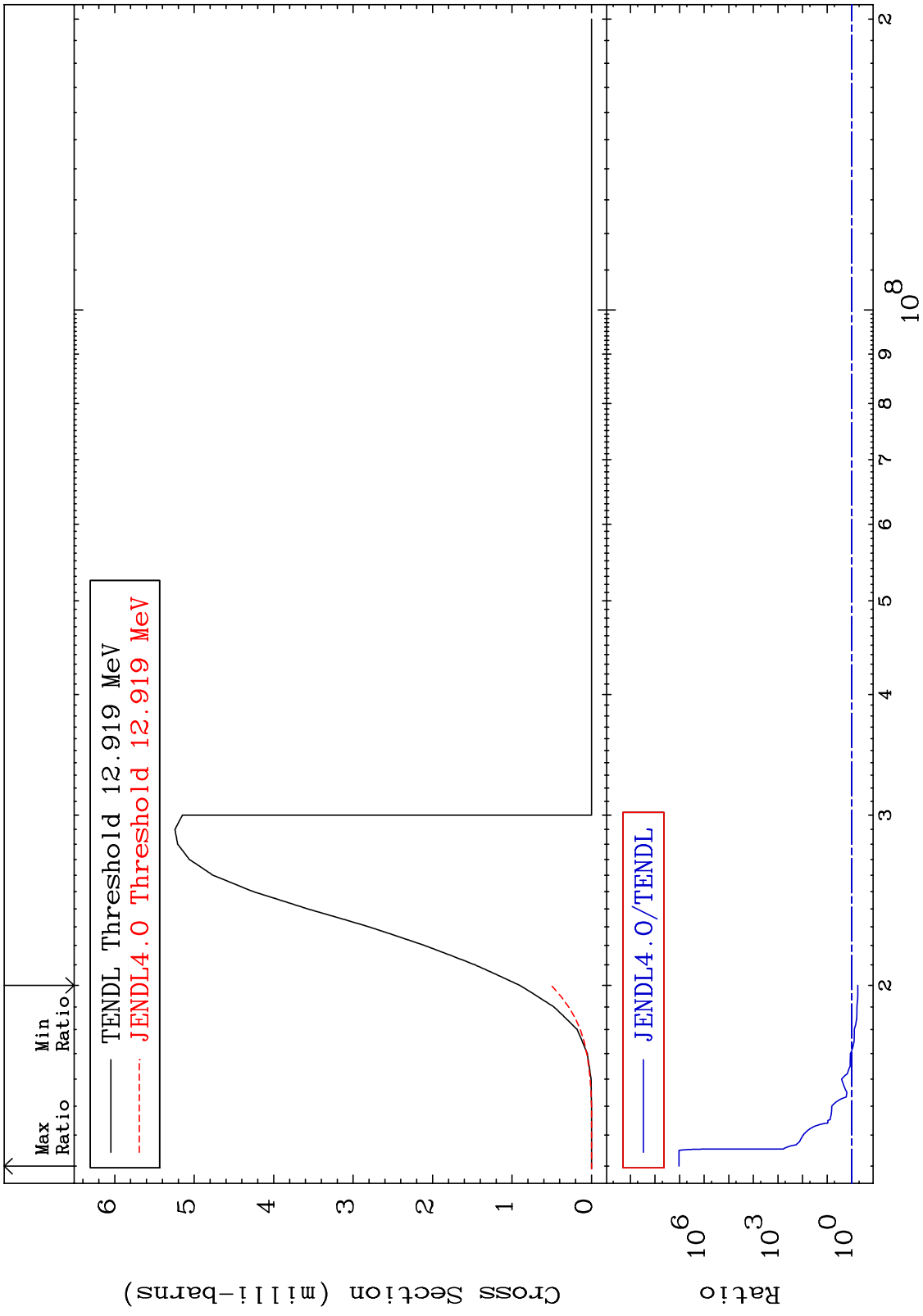


40 24-Cr-50

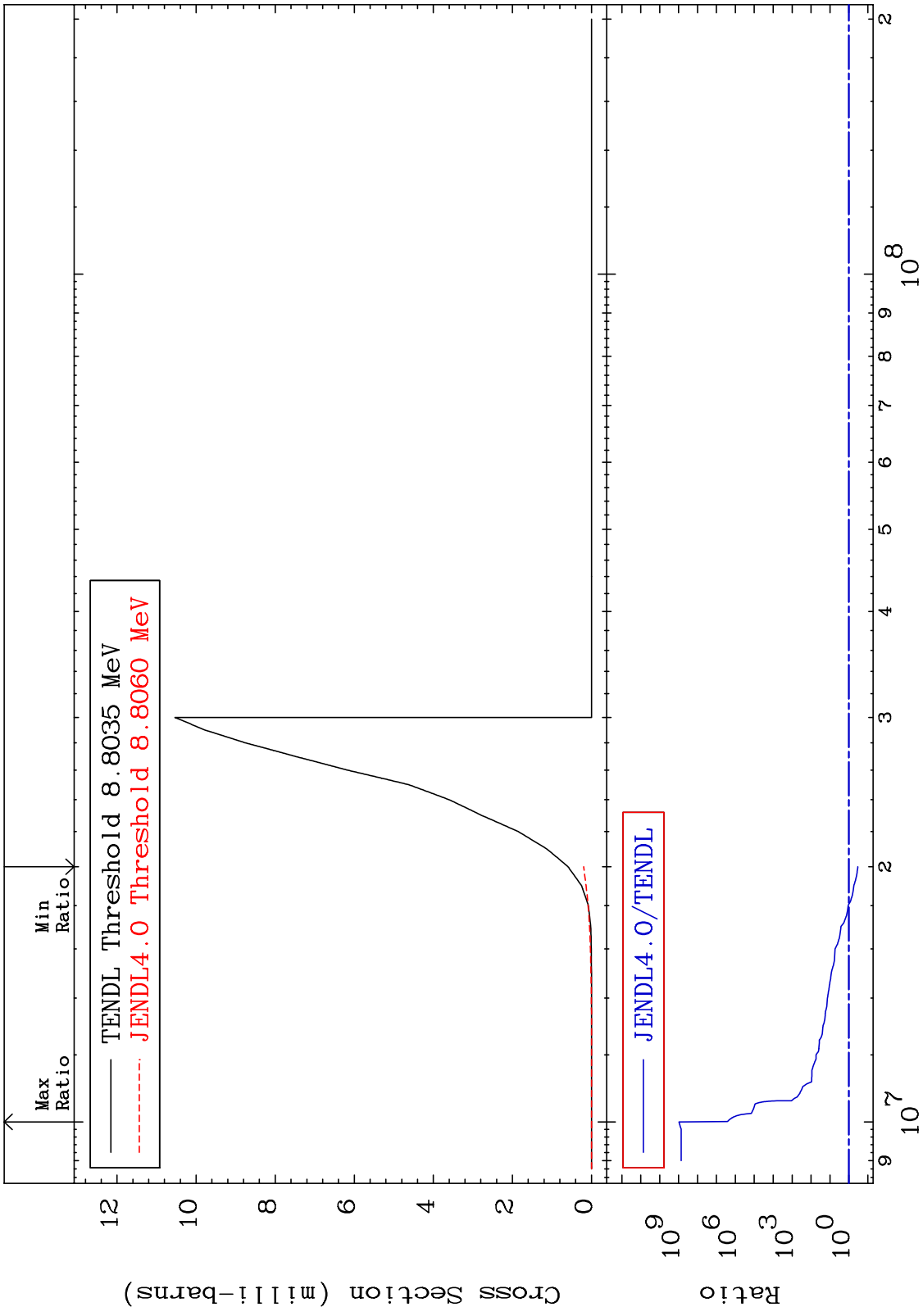
MAT 2425 (n,d) 24-Cr-50  
 Cross Section -18.26 To 9999. %



MAT 2425 (n,t) 24-Cr-50  
 Cross Section -43.87 To 9999. %

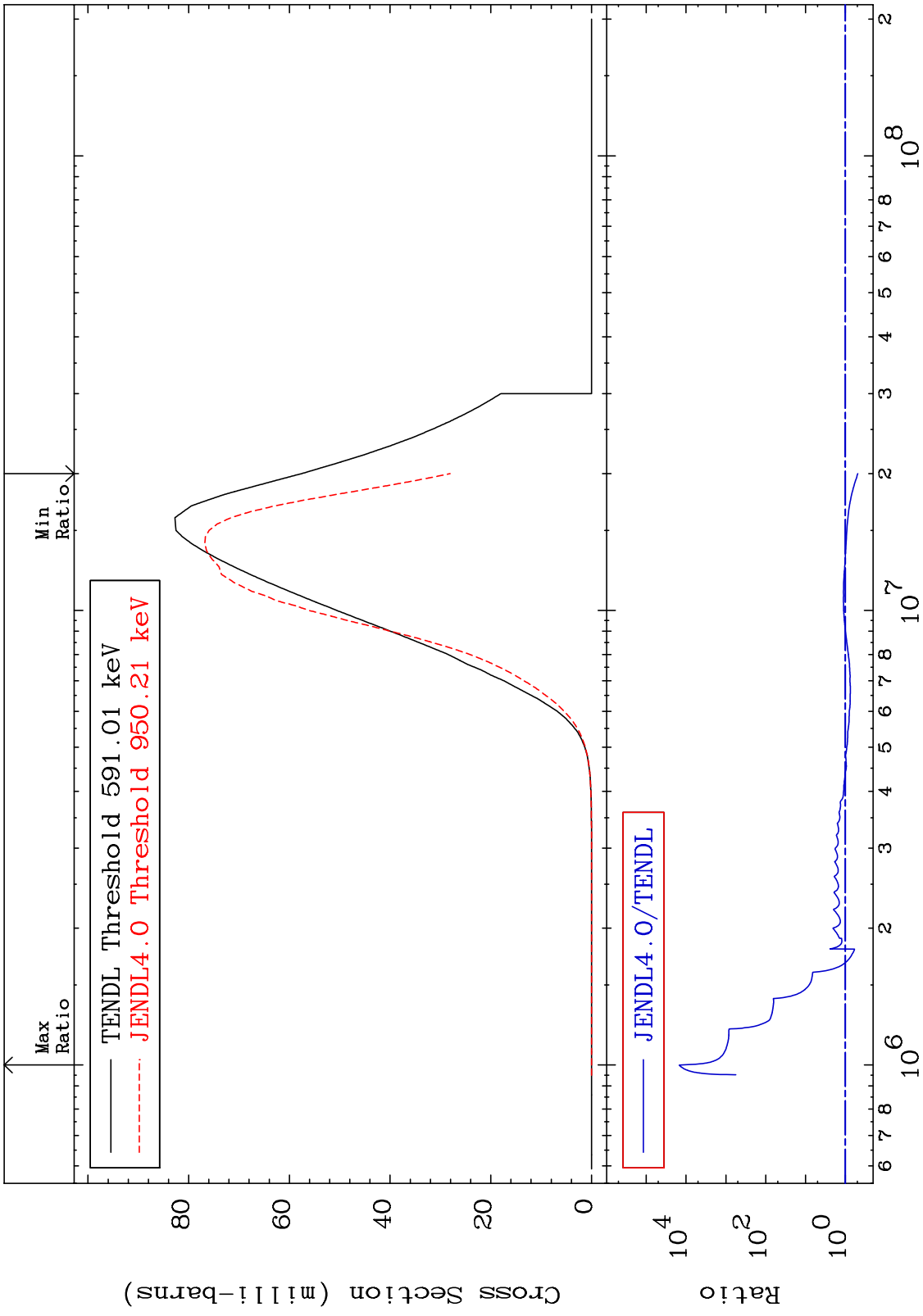


MAT 2425 (n, He-3) 24-Cr-50  
 Cross Section -66.44 To 9999. %



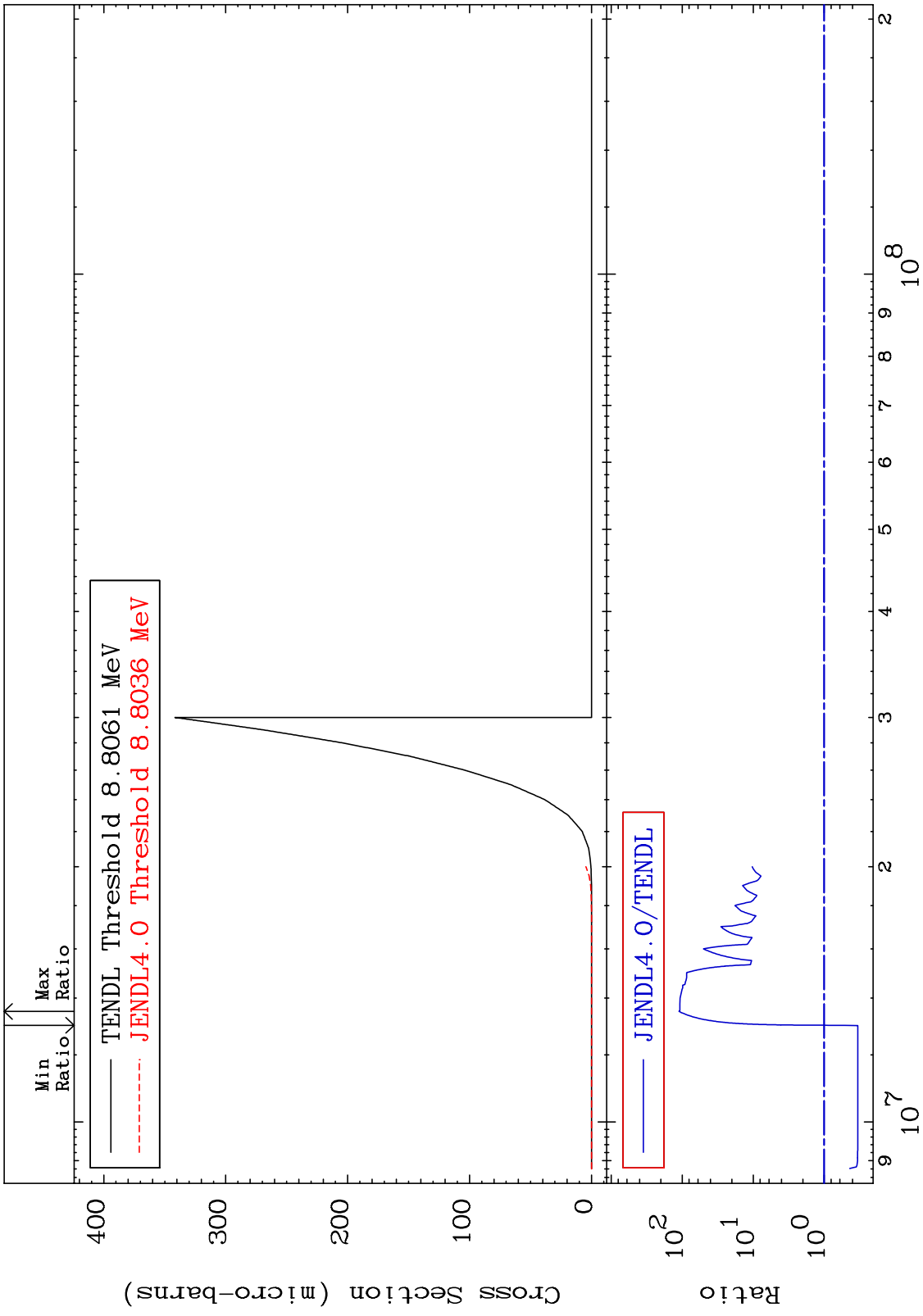
43 24-Cr-50 Incident Energy (eV)

MAT 2425 (n,α) 24-Cr-50  
Cross Section -51.16 To 9999. %



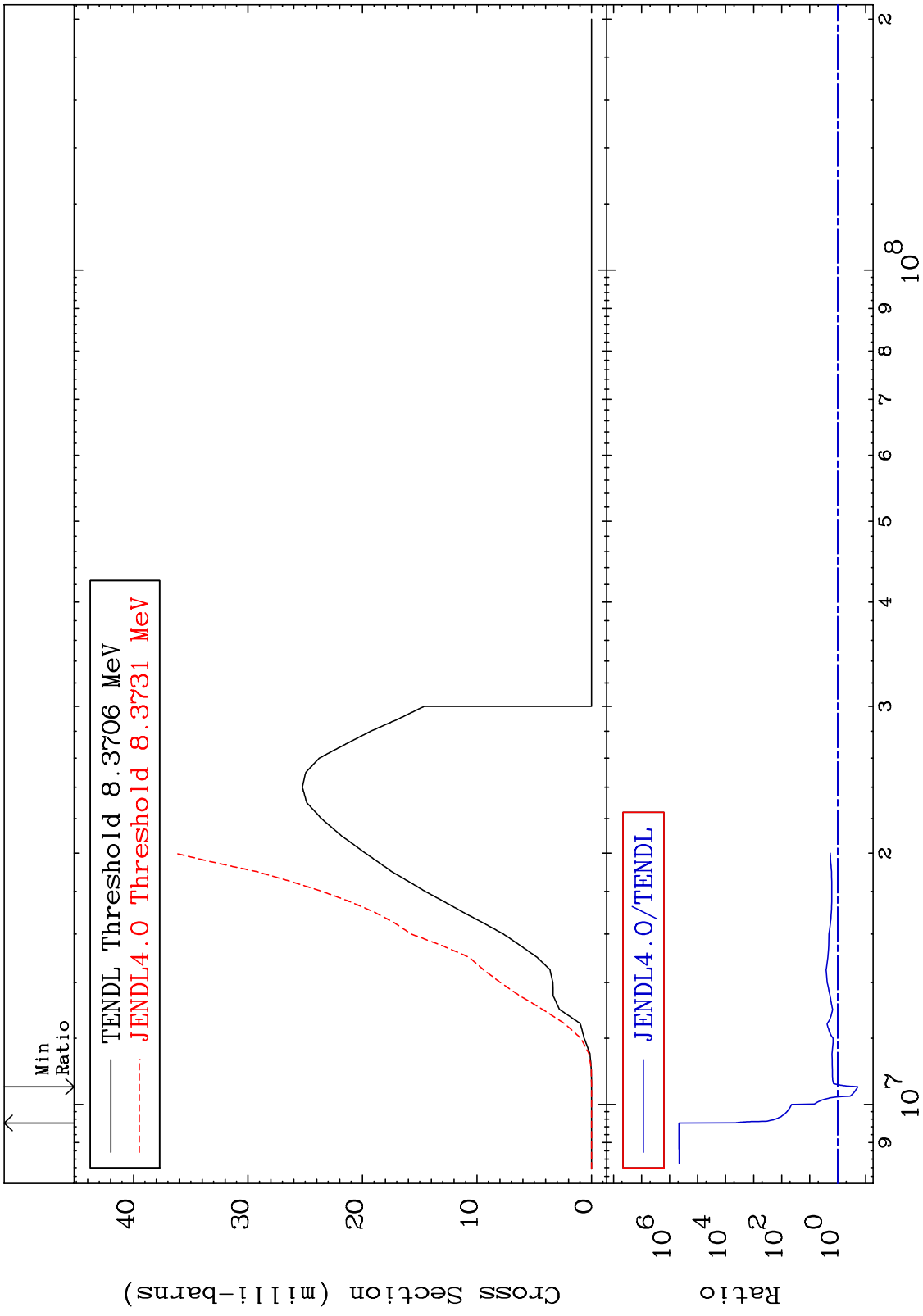
44 24-Cr-50

MAT 2425 (n,2α) Cross Section 24-Cr-50  
-66.43 To 9999. %

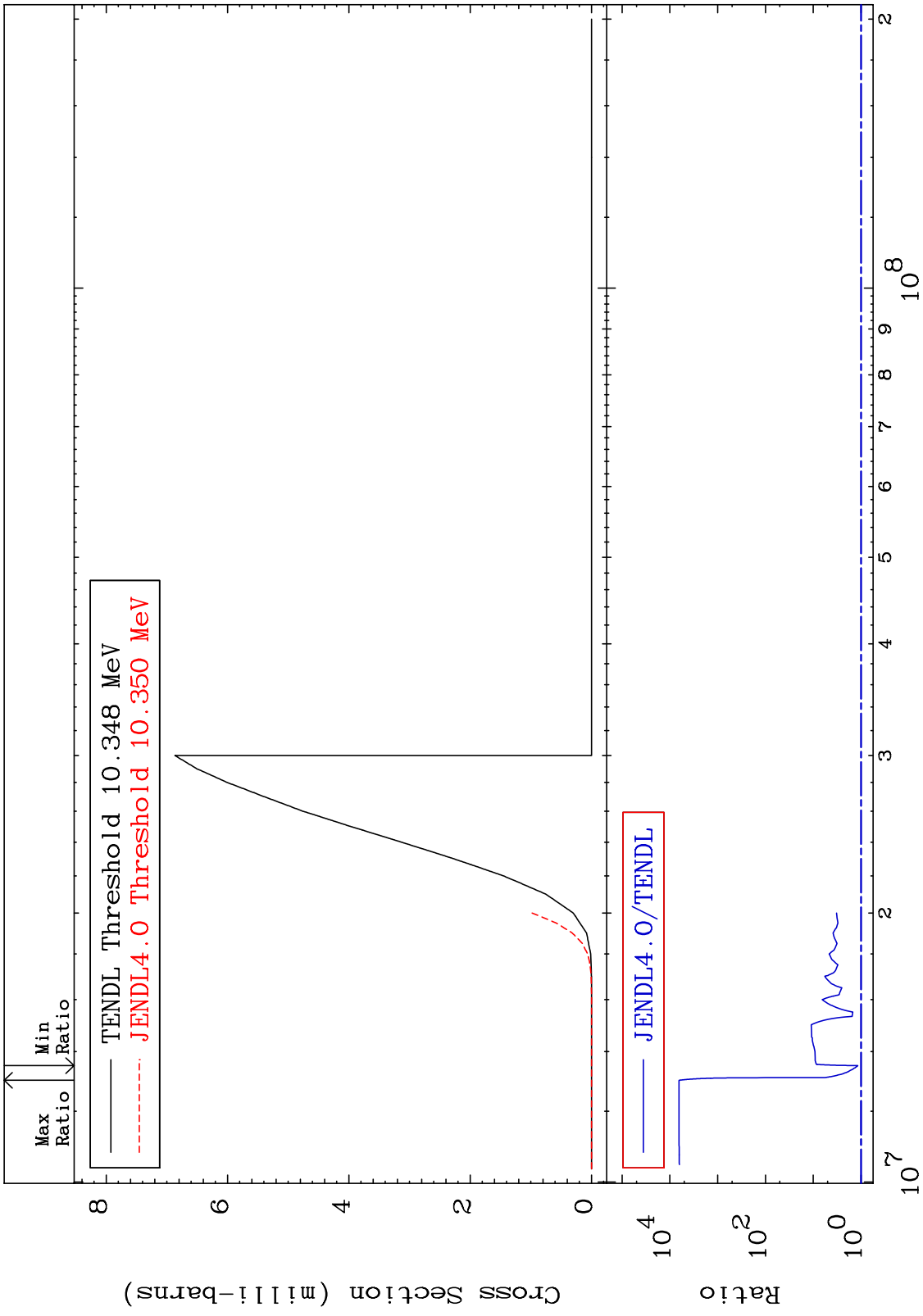


45 24-Cr-50

MAT 2425 (n,2p) Cross Section 24-Cr-50  
-80.83 To 9999. %

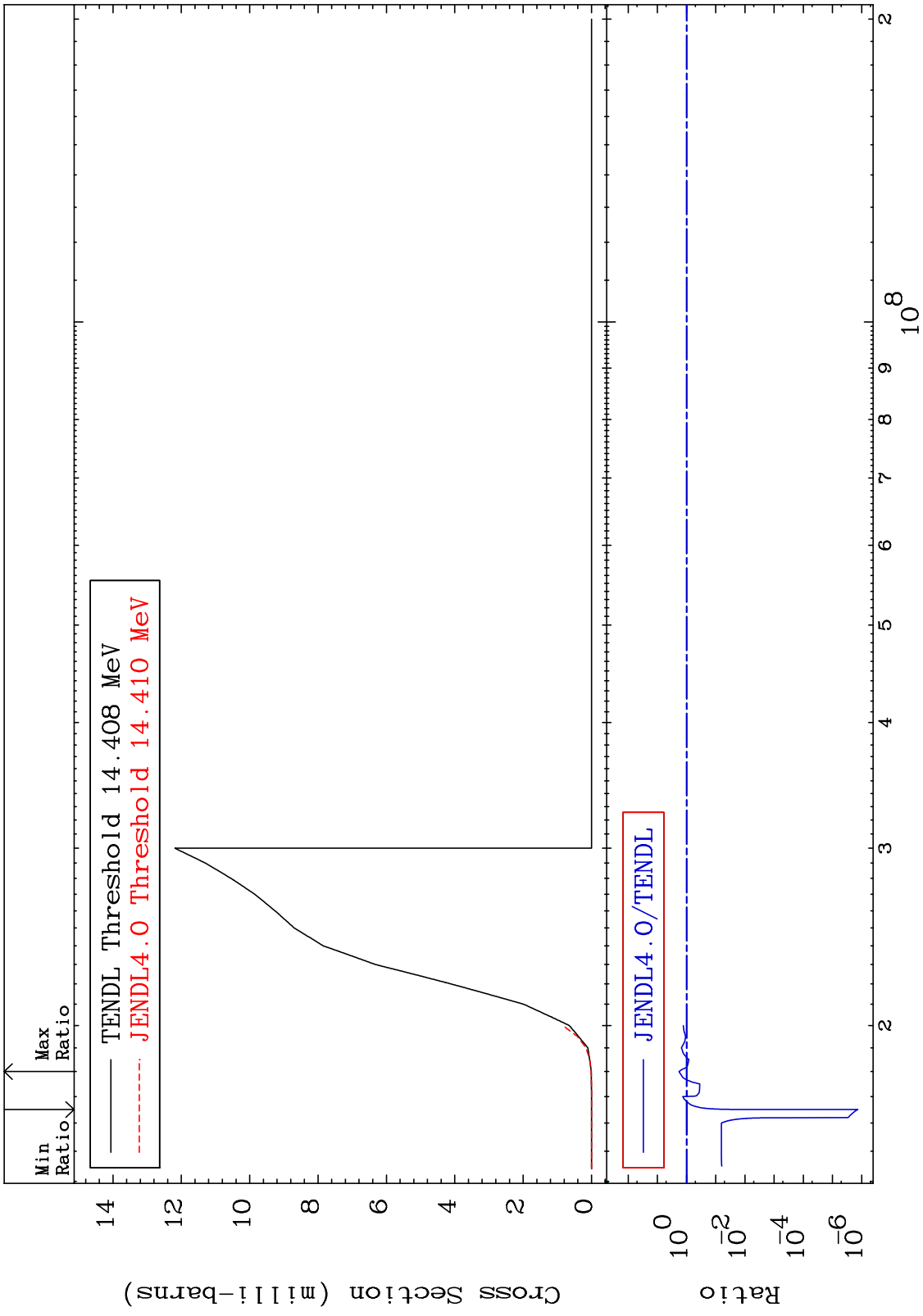


MAT 2425 (n,p)  $\alpha$  24-Cr-50  
Cross Section 16.53 To 9999. %

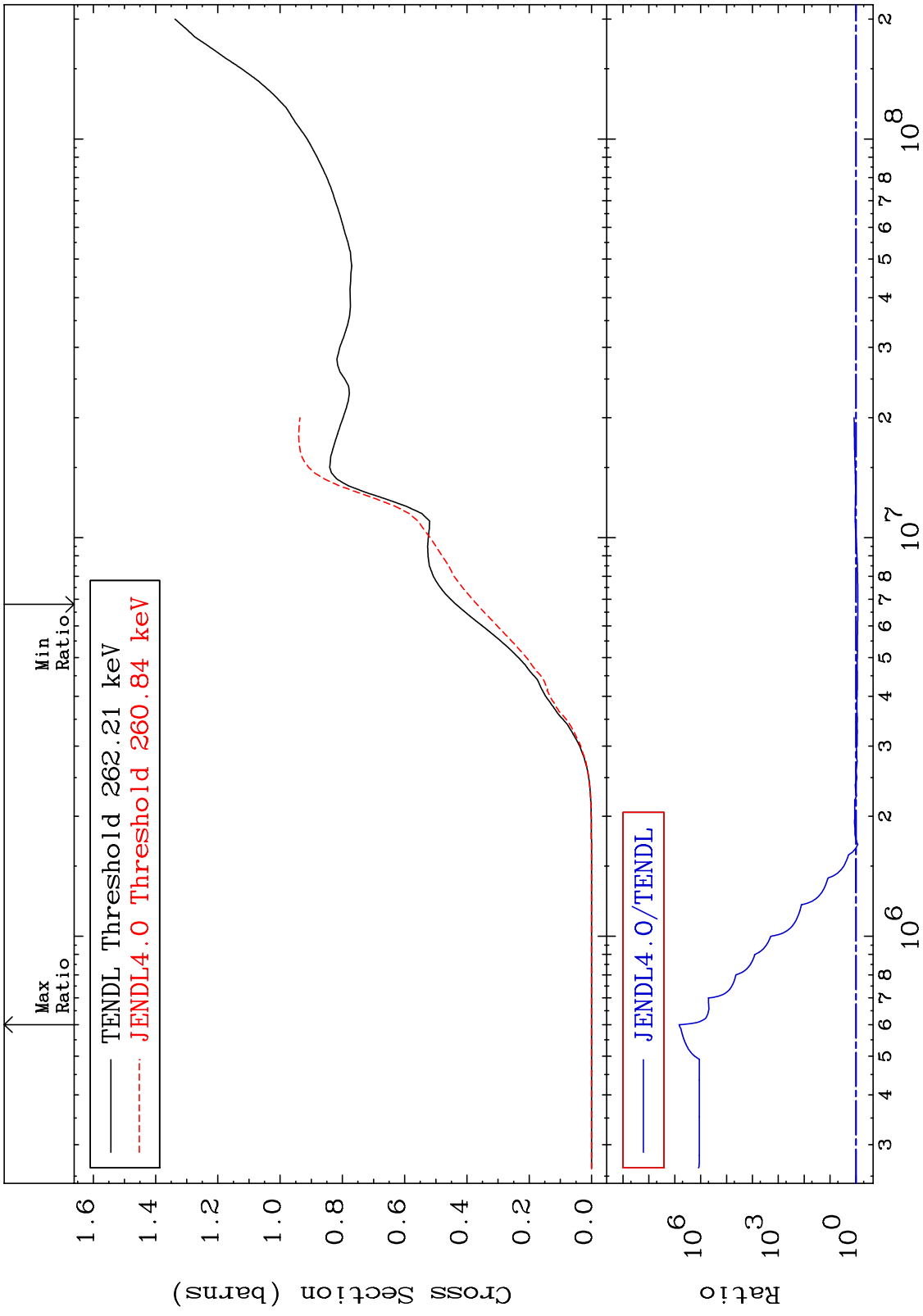




MAT 2425 (n,p) d 24-Cr-50  
 Cross Section -100.0 To 81.27 %



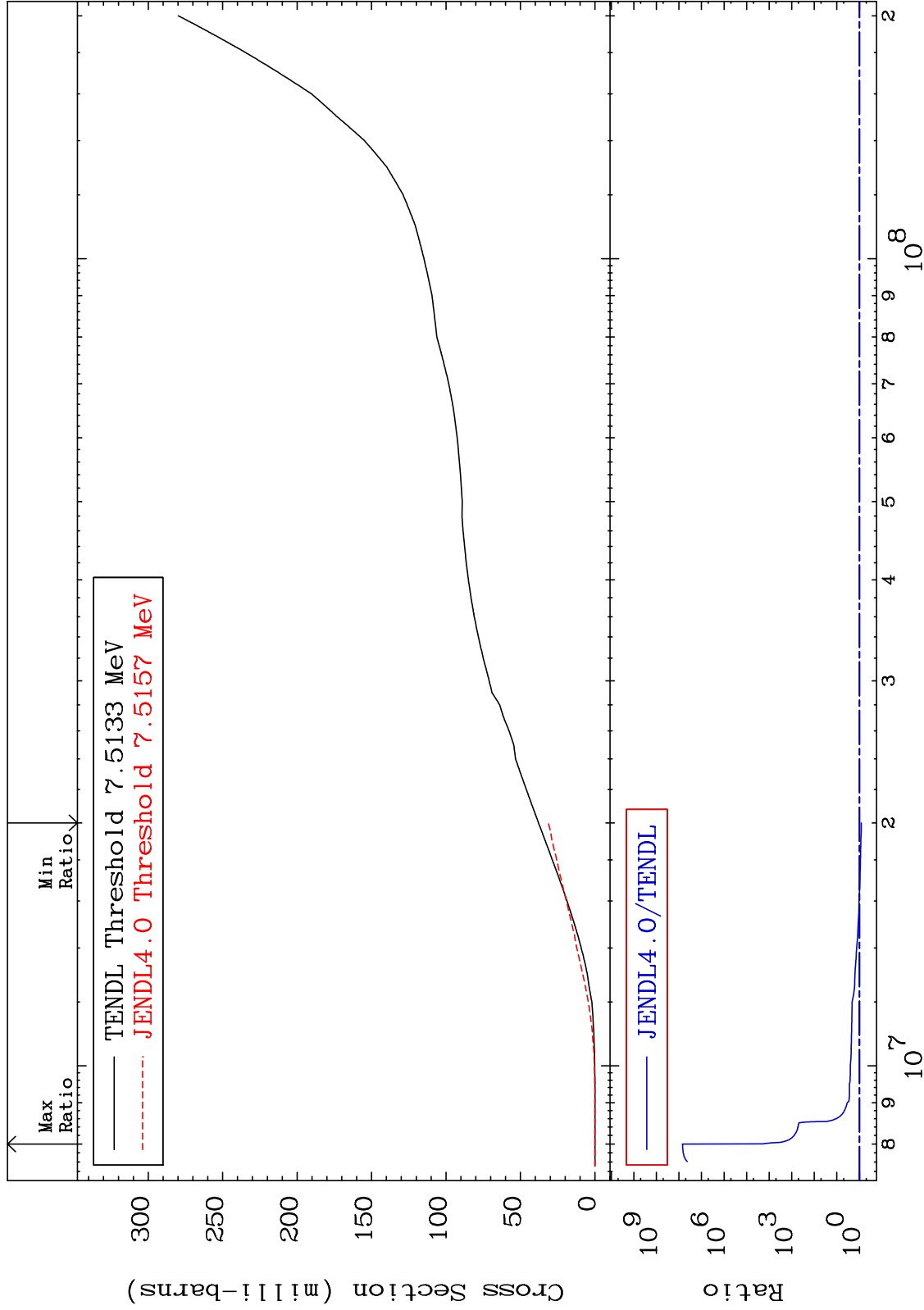
MAT 2425 Hydrogen Production Cross Section 24-Cr-50  
 -15.50 To 9999. %



MAT 2425

Deuterium Production  
Cross Section

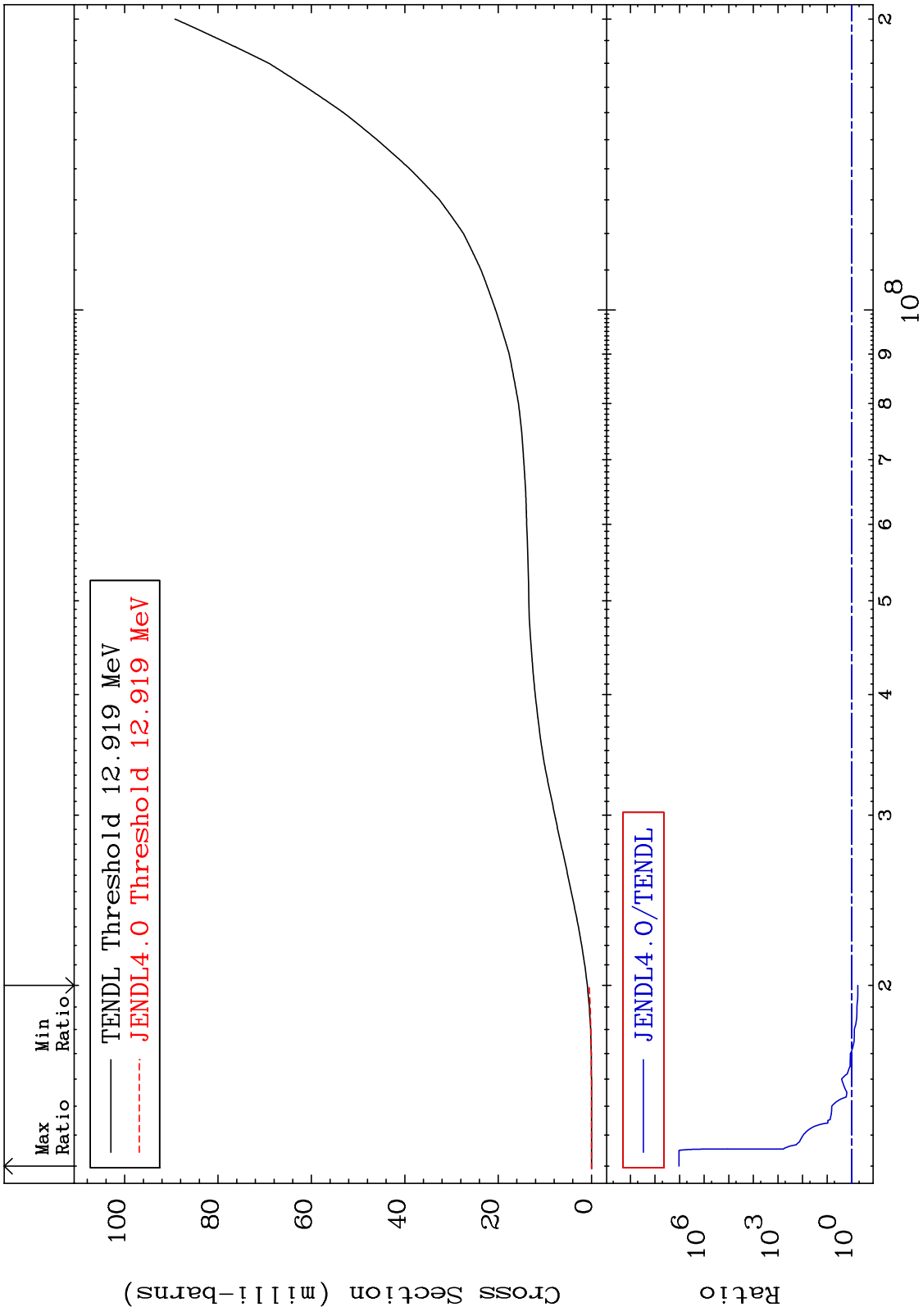
24-Cr-50  
-17.44 To 9999. %



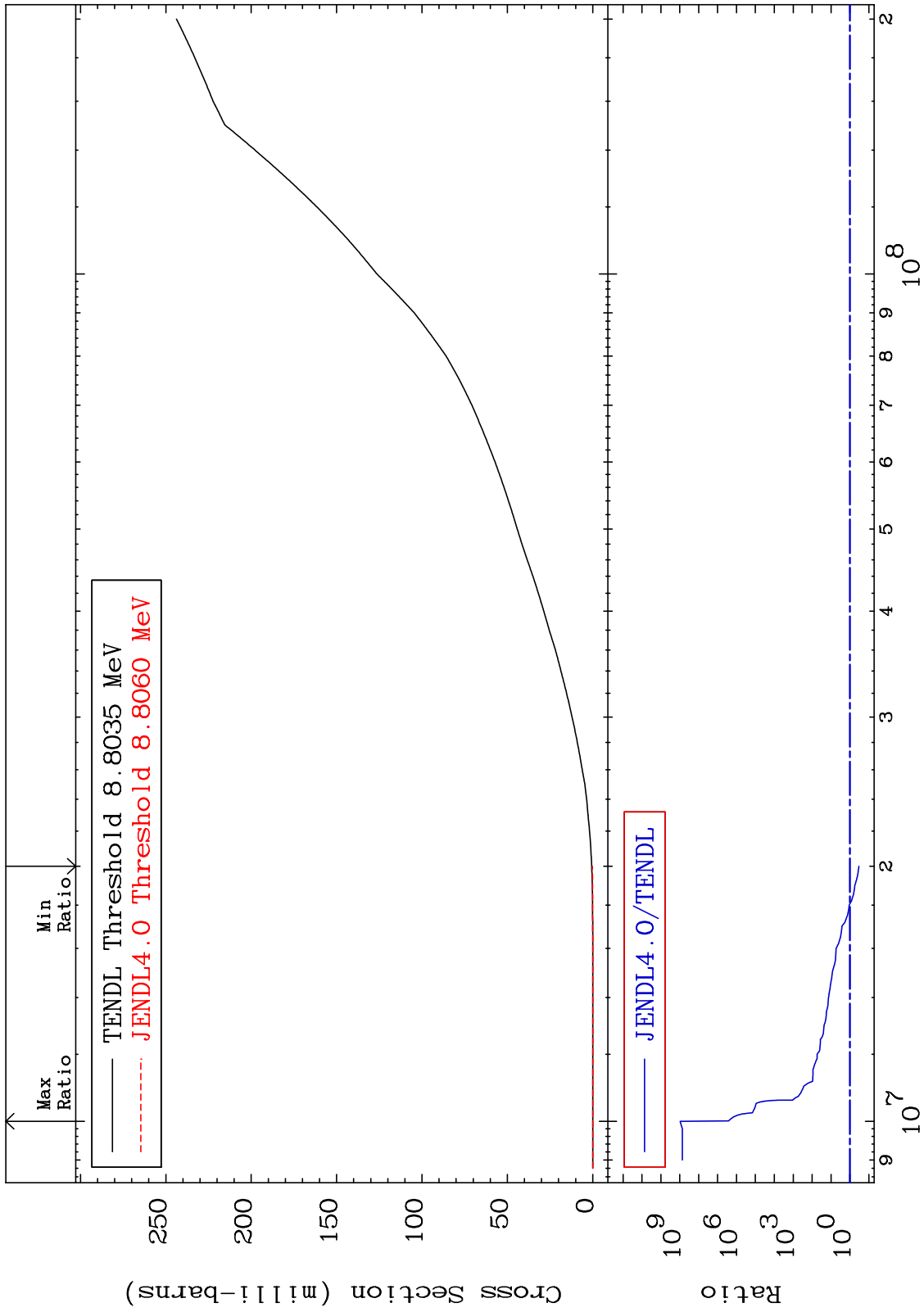
50

Incident Energy (eV)

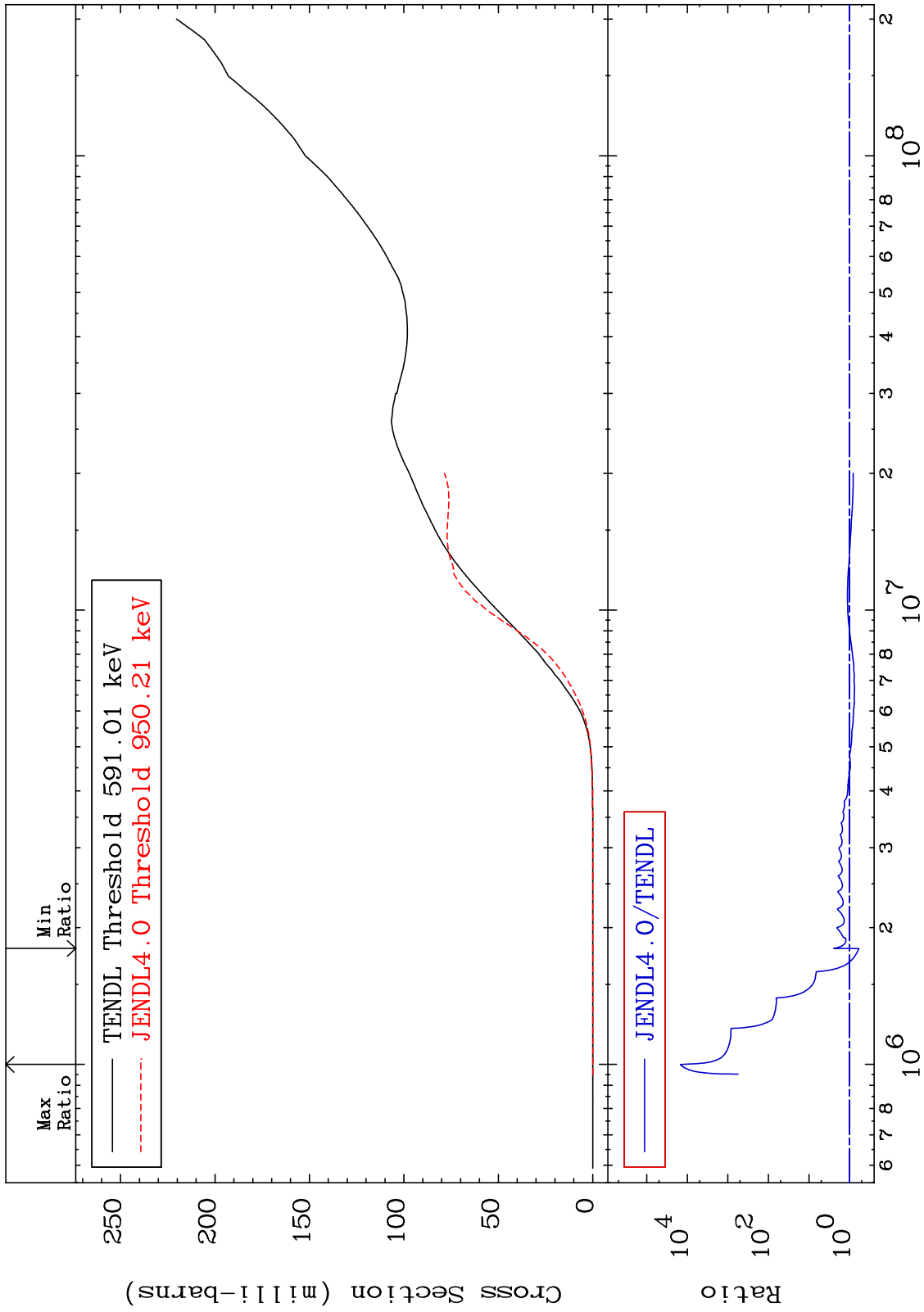
24-Cr-50



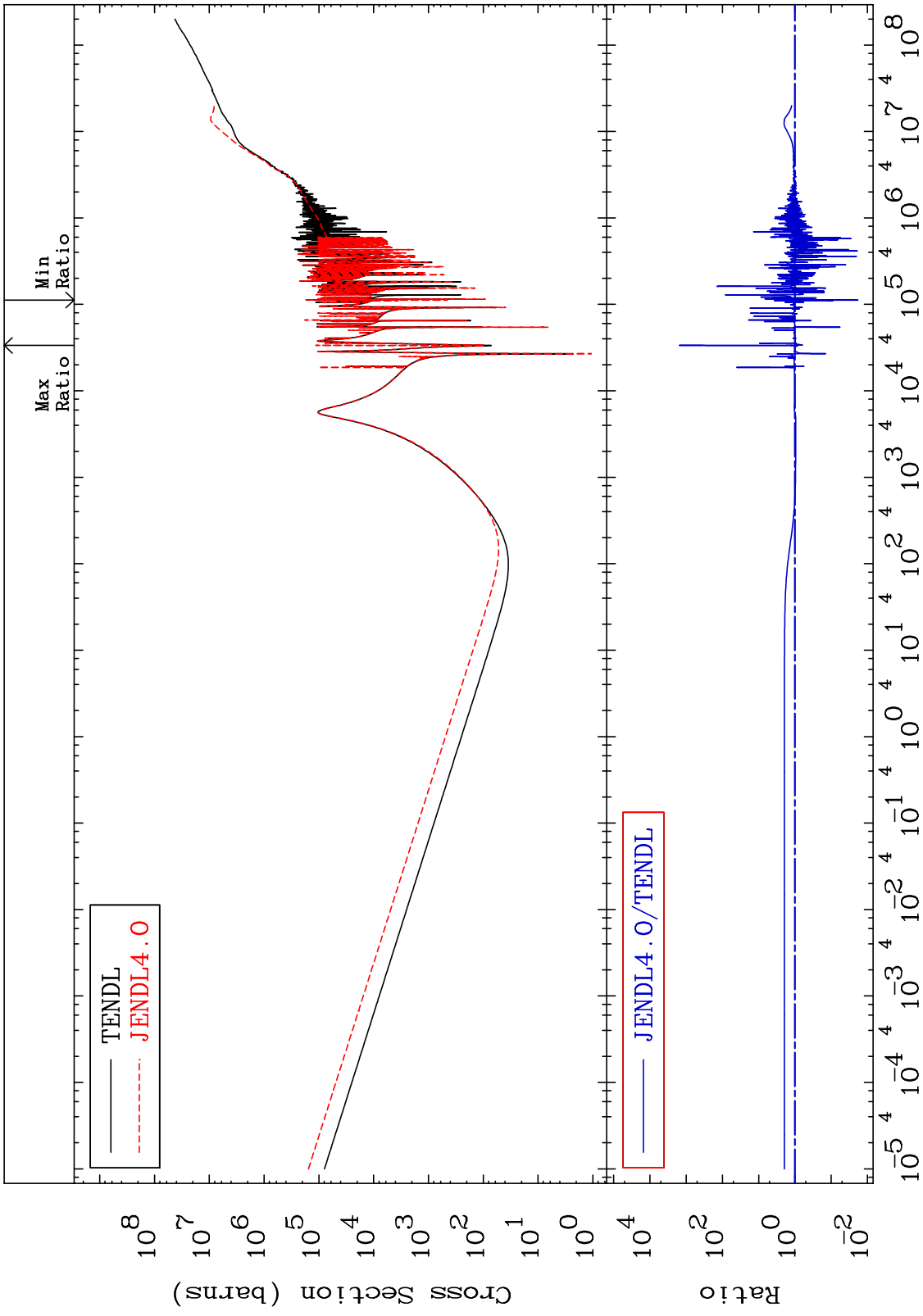
MAT 2425 He-3 Production Cross Section 24-Cr-50  
 -66.44 To 9999. %



MAT 2425 He-4 Production Cross Section -41.30 To 9999. % 24-Cr-50



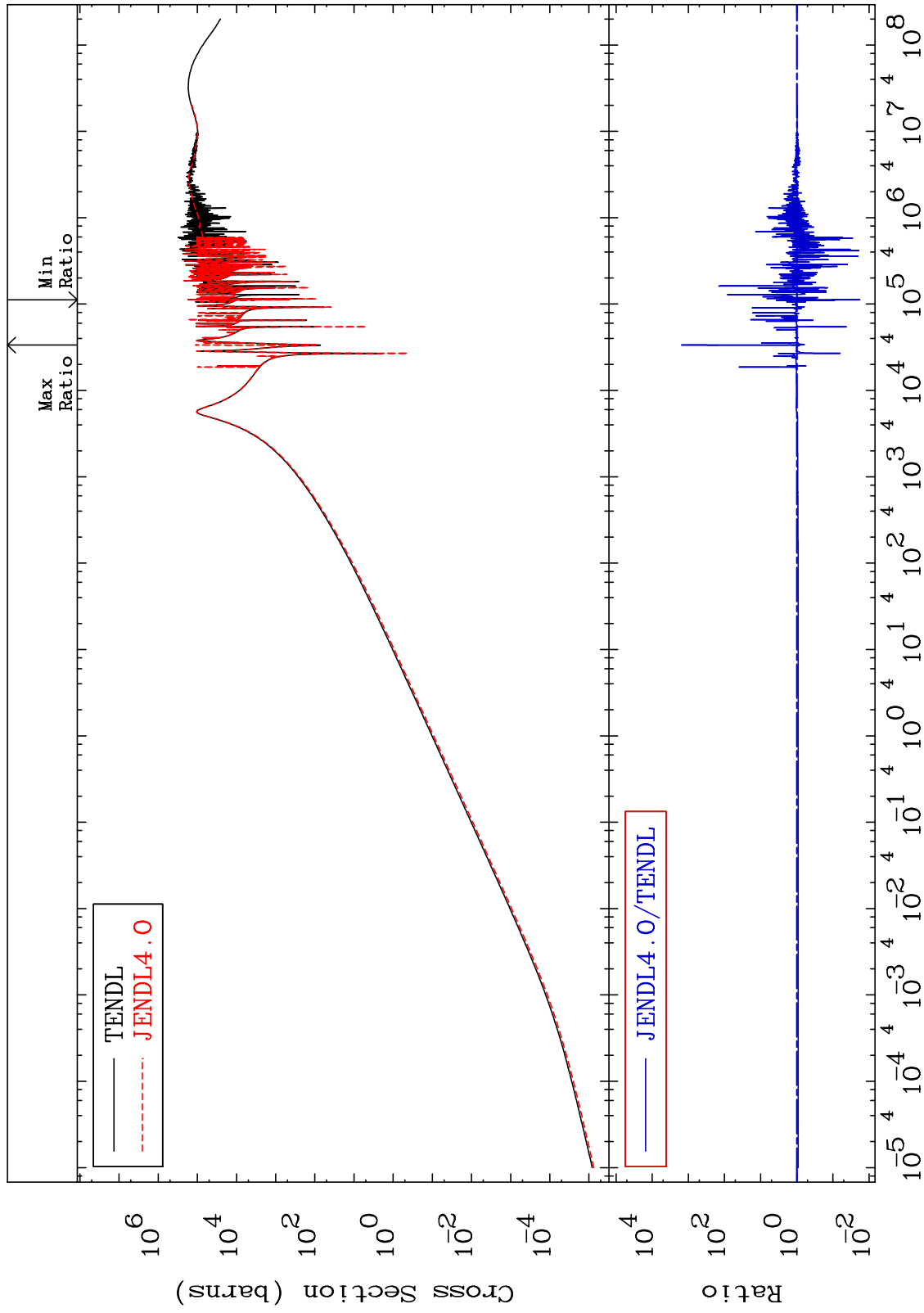
MAT 2425 Kerma total (eV-barns) Cross Section 24-Cr-50  
 -98.16 To 9999. %



MAT 2425

Kerma elastic  
Cross Section

24-Cr-50  
-98.19 To 9999. %

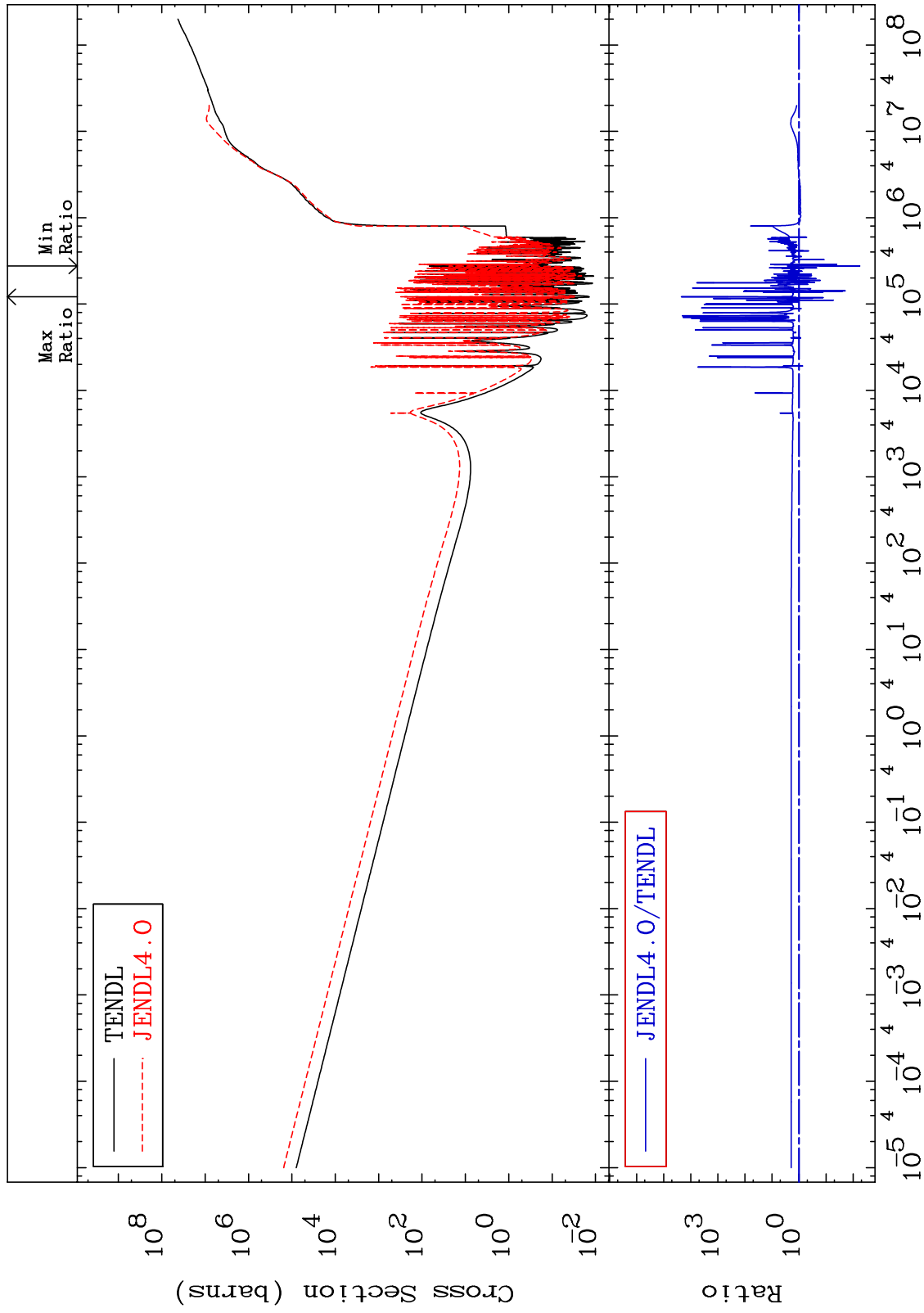




MAT 2425

Kerma non-elastic (all but mt2)  
Cross Section

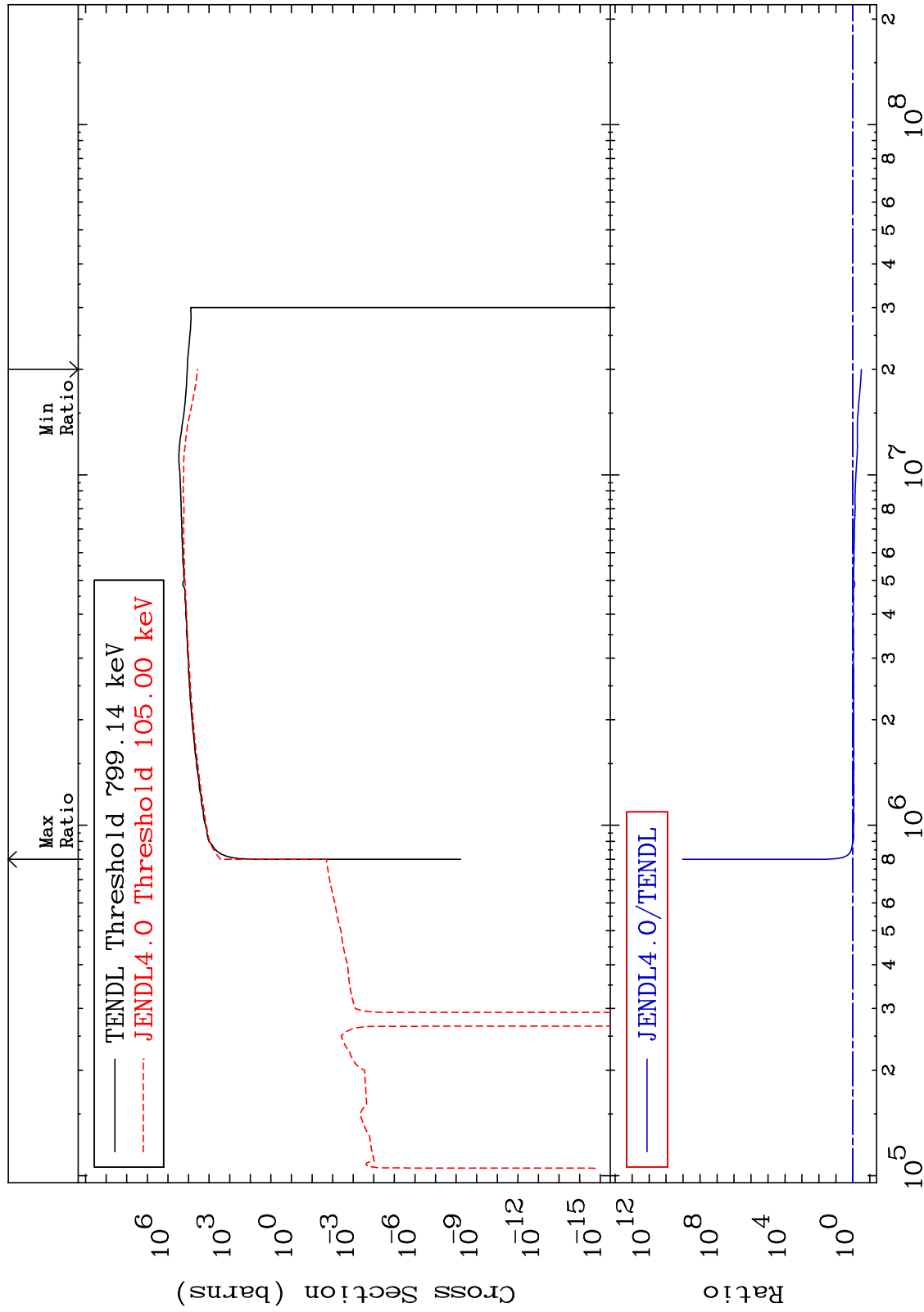
24-Cr-50  
-99.43 To 9999. %



MAT 2425

Kerma inelastic (mt51-91)  
Cross Section

24-Cr-50  
-68.30 To 9999. %

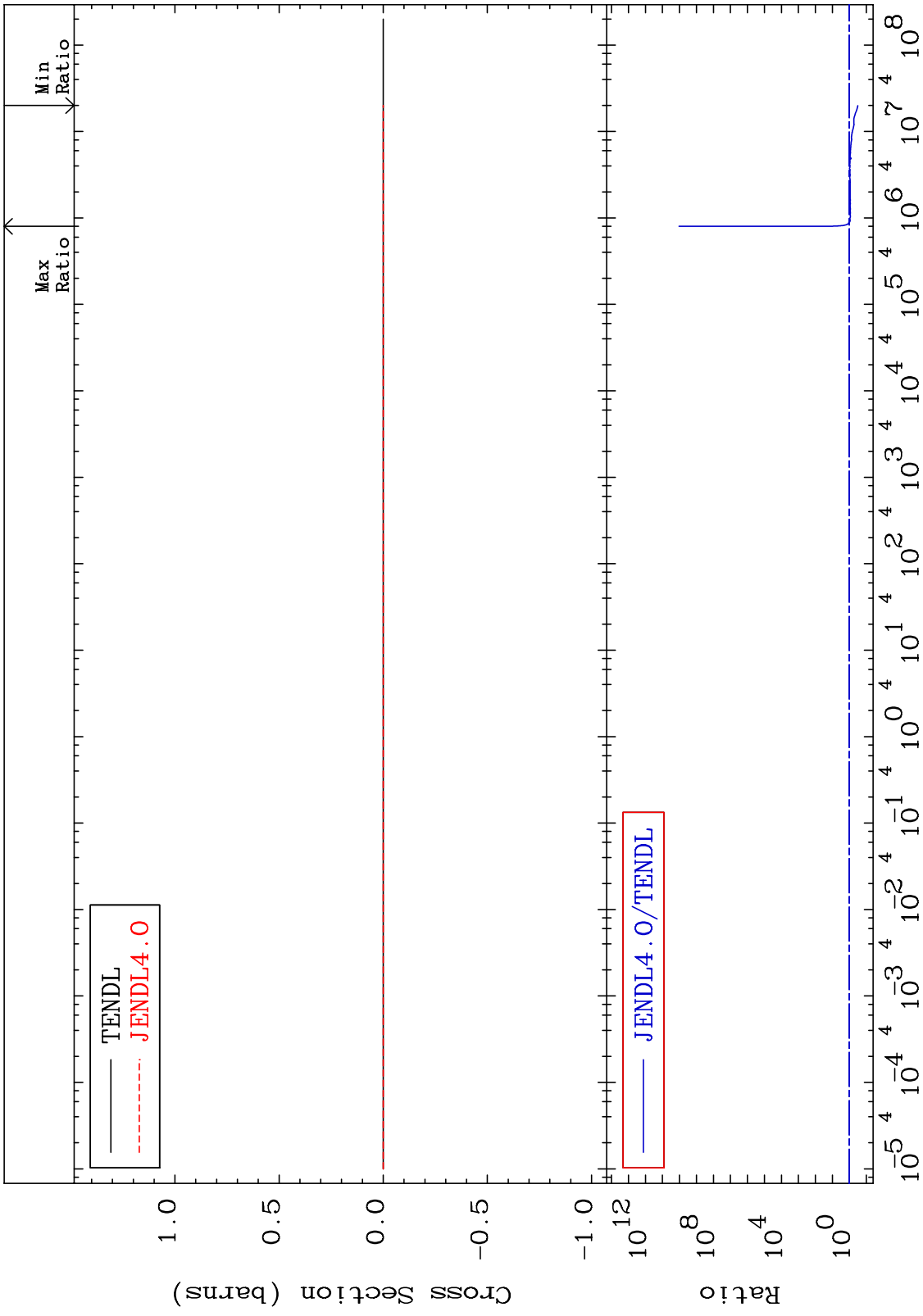


57

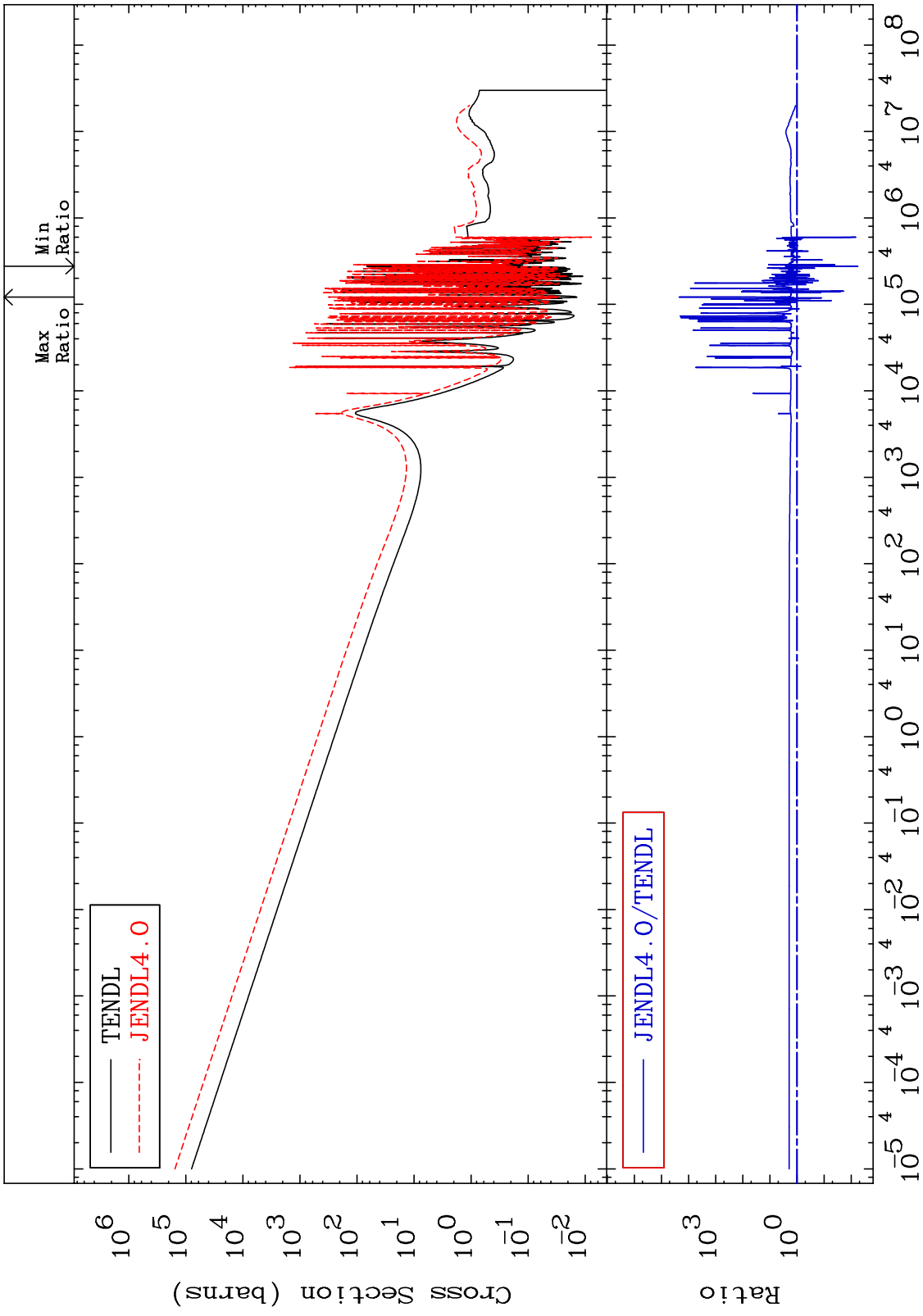
Incident Energy (eV)

24-Cr-50

MAT 2425 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-50  
 Cross Section -68.30 To 9999. %



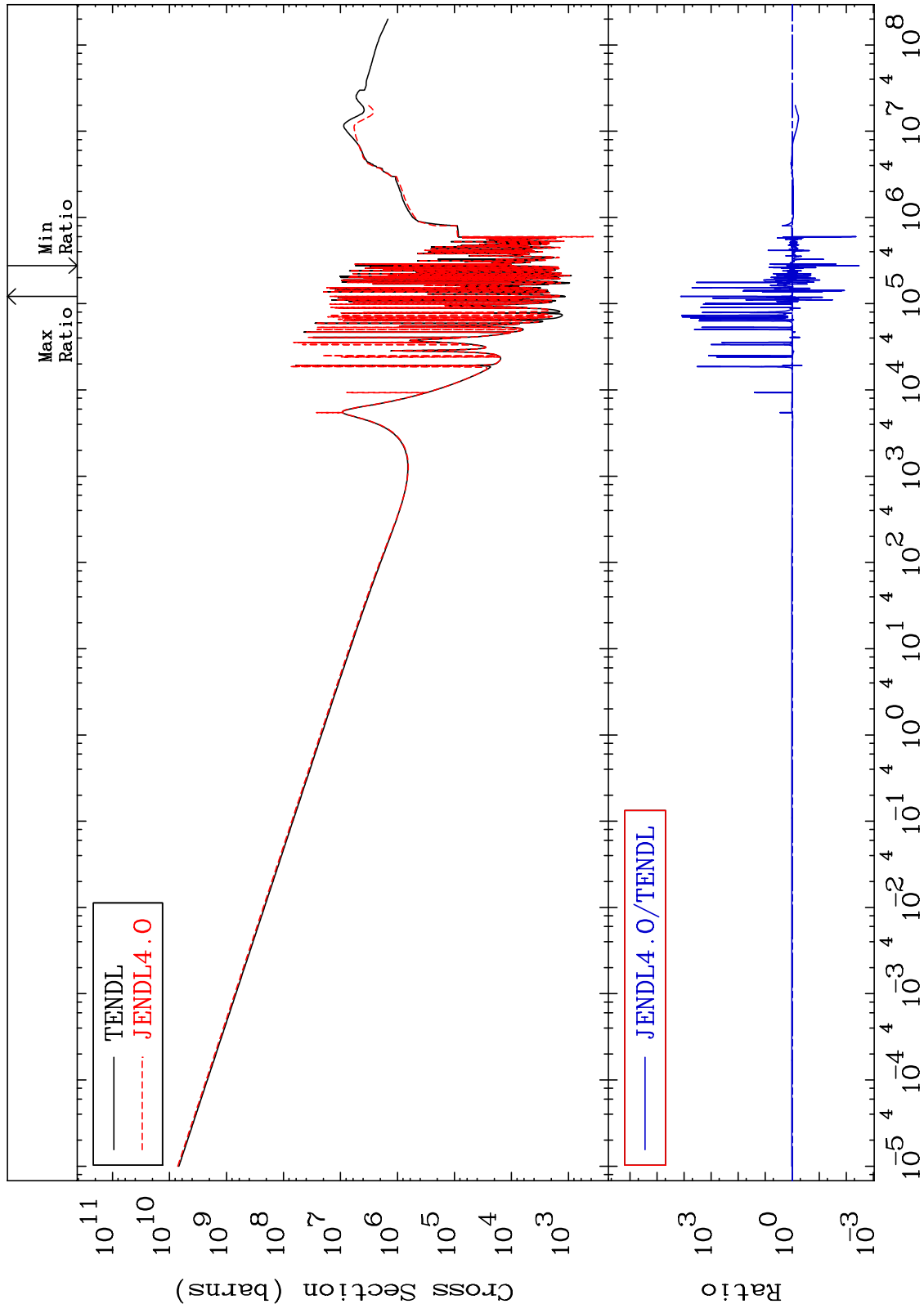
MAT 2425      Kerma capture (mt102)      24-Cr-50  
 Cross Section      -99.42 To 9999. %



MAT 2425

Total photon (eV-barns)  
Cross Section

24-Cr-50  
-99.66 To 9999. %



60

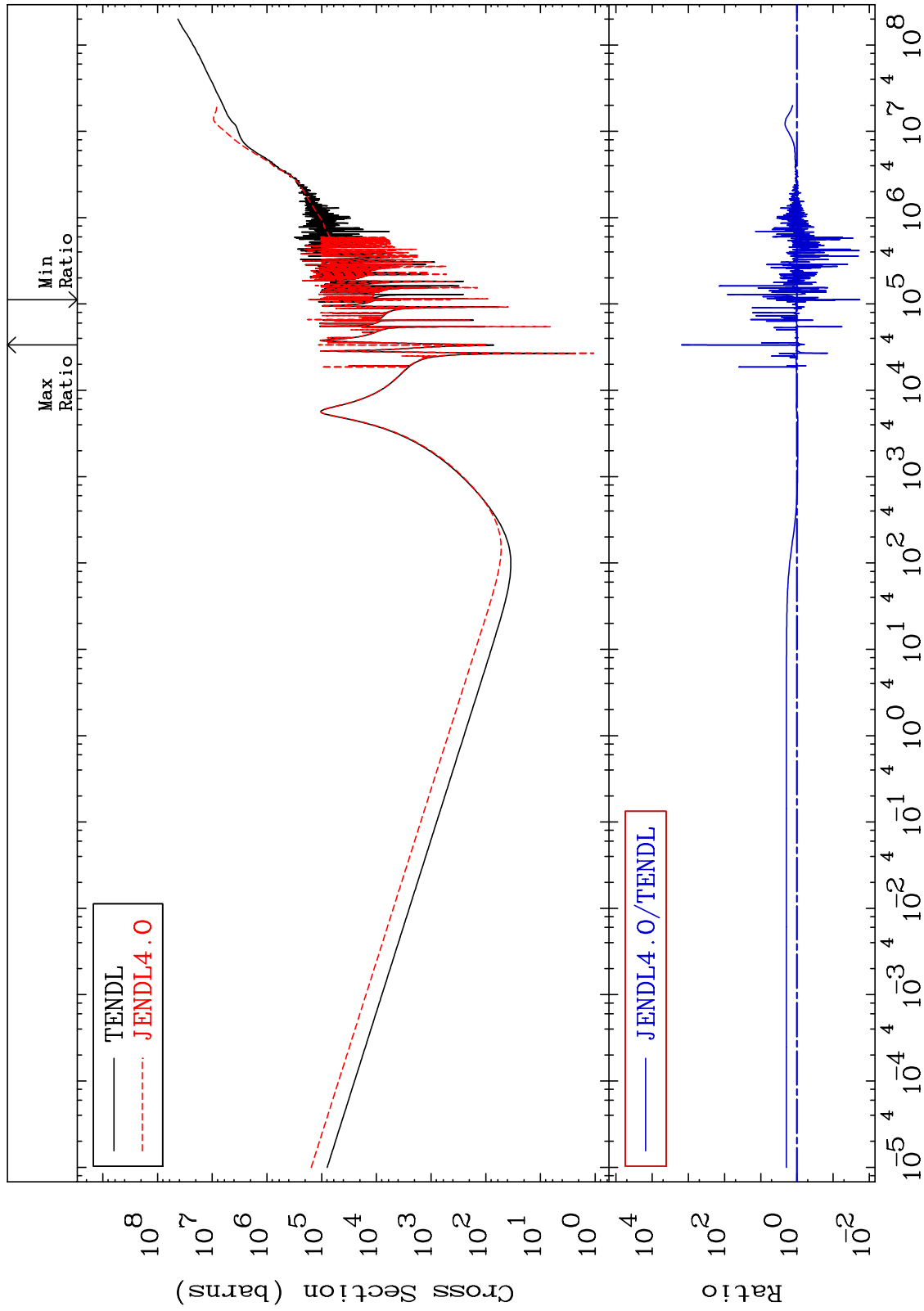
Incident Energy (eV)

24-Cr-50

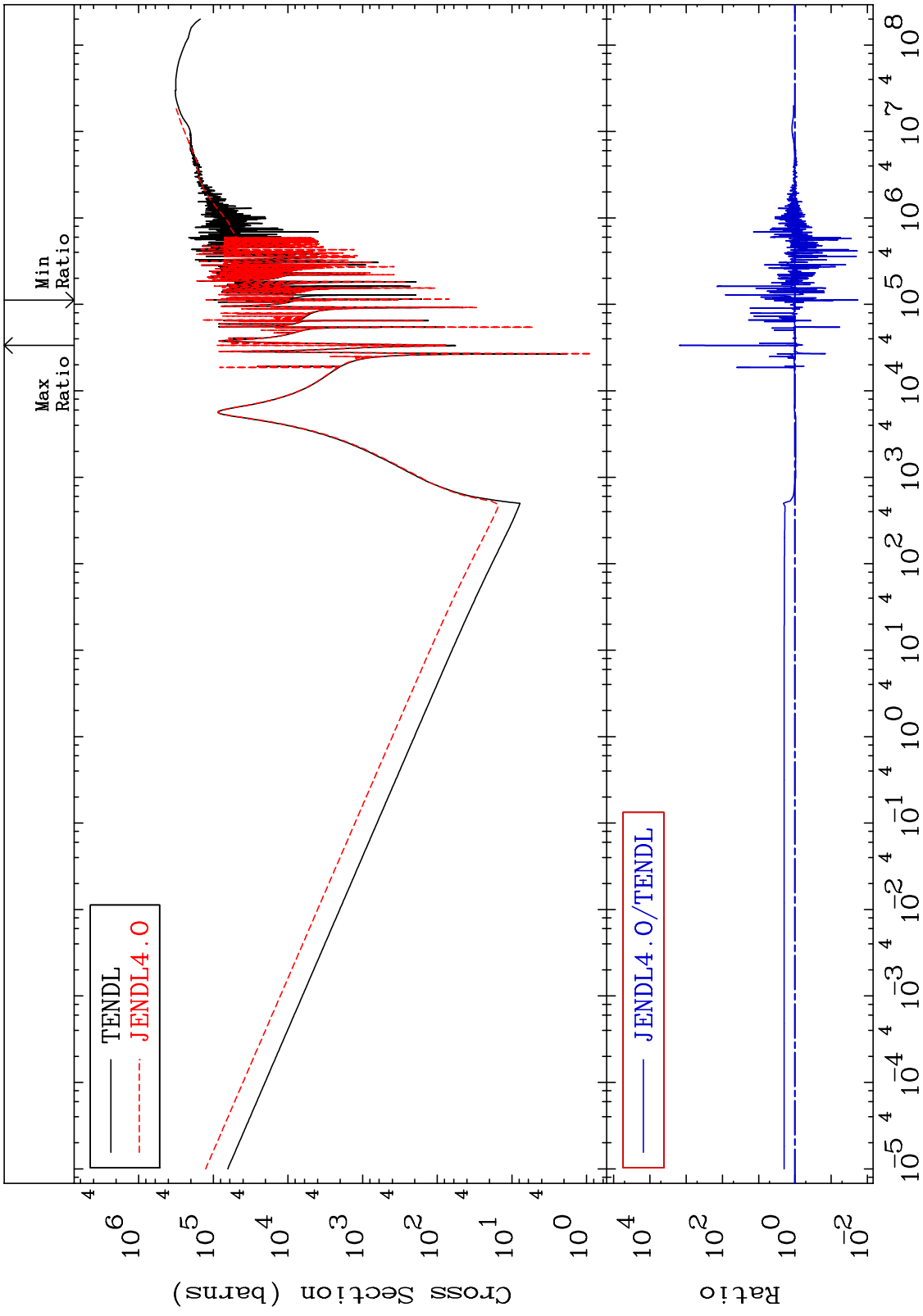
MAT 2425

Total kinematic kerma (high limit)  
Cross Section

24-Cr-50  
-98.16 To 9999. %



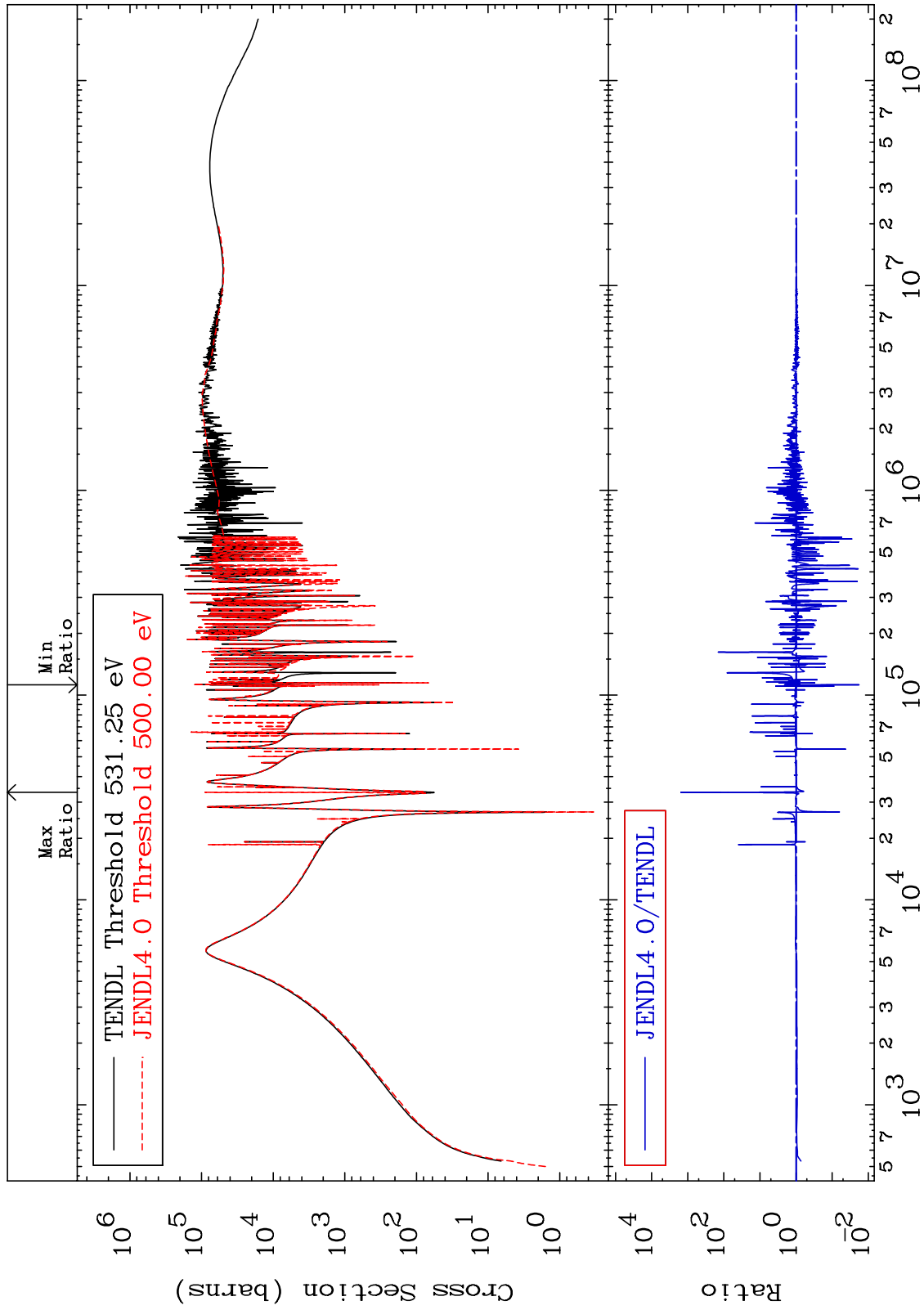
MAT 2425      Dpa total (eV-barns)      24-Cr-50  
 Cross Section      -98.16 To 9999. %



MAT 2425

Dpa elastic (mt2)  
Cross Section

24-Cr-50  
-98.19 To 9999. %

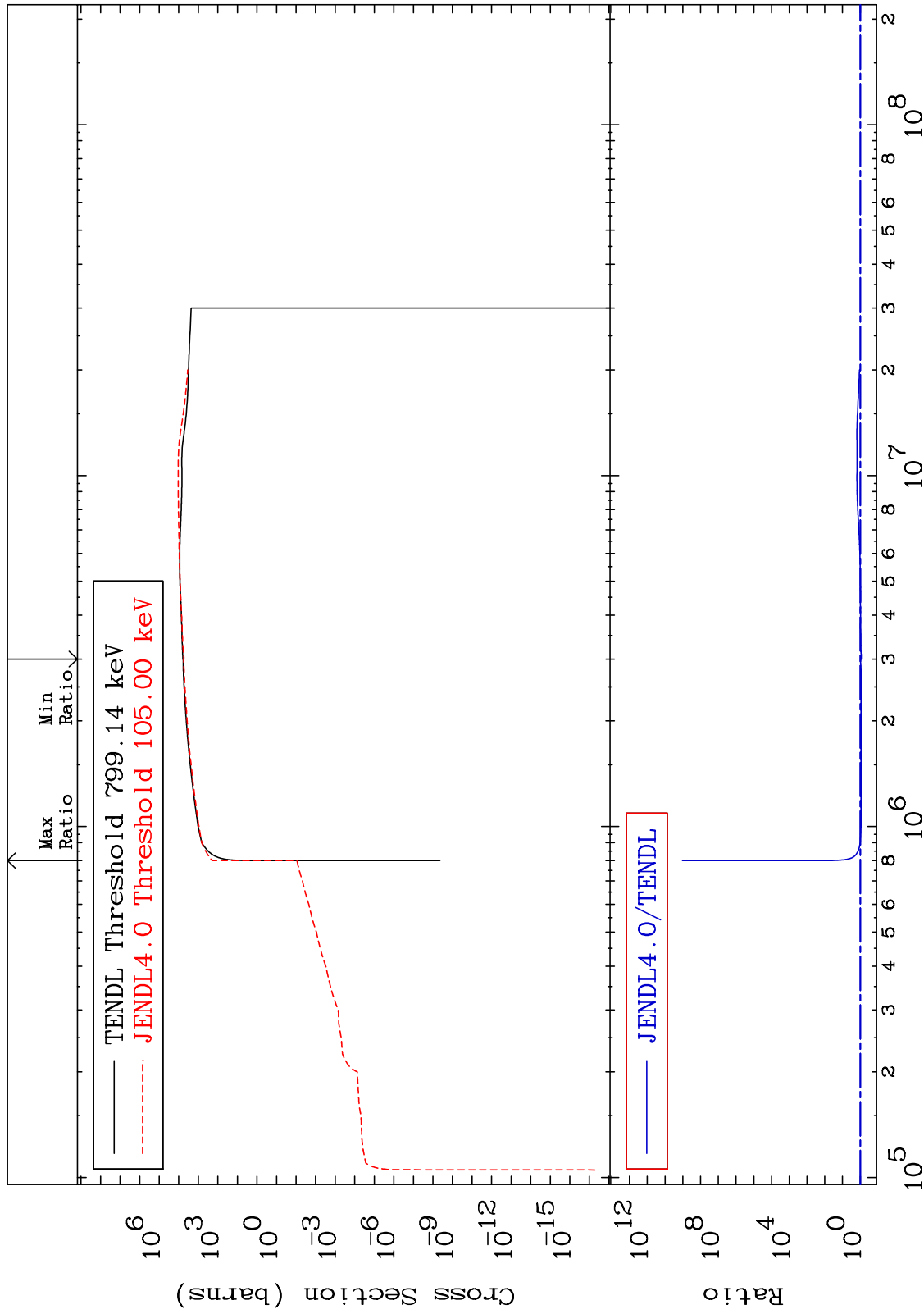




MAT 2425

Dpa inelastic (mt51-91)  
Cross Section

24-Cr-50  
-12.34 To 9999. %



64

Incident Energy (eV)

24-Cr-50

MAT 2425      Dpa disappearance (mt102 -120)      24-Cr-50  
 Cross Section      -99.42 To 9999. %

