

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

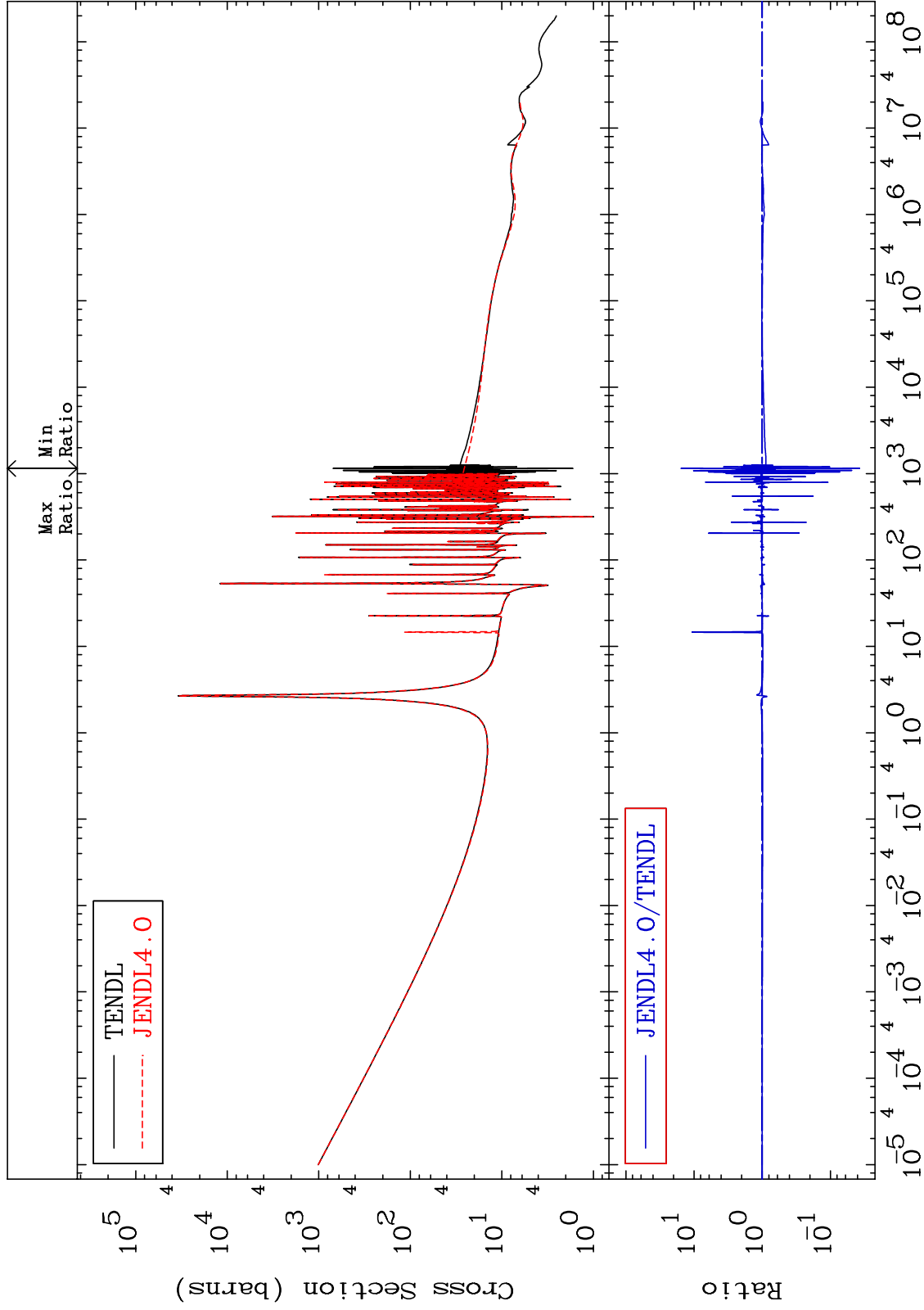
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 9446

Total  
Cross Section

94-Pu-242  
-96.30 To 1443. %



1

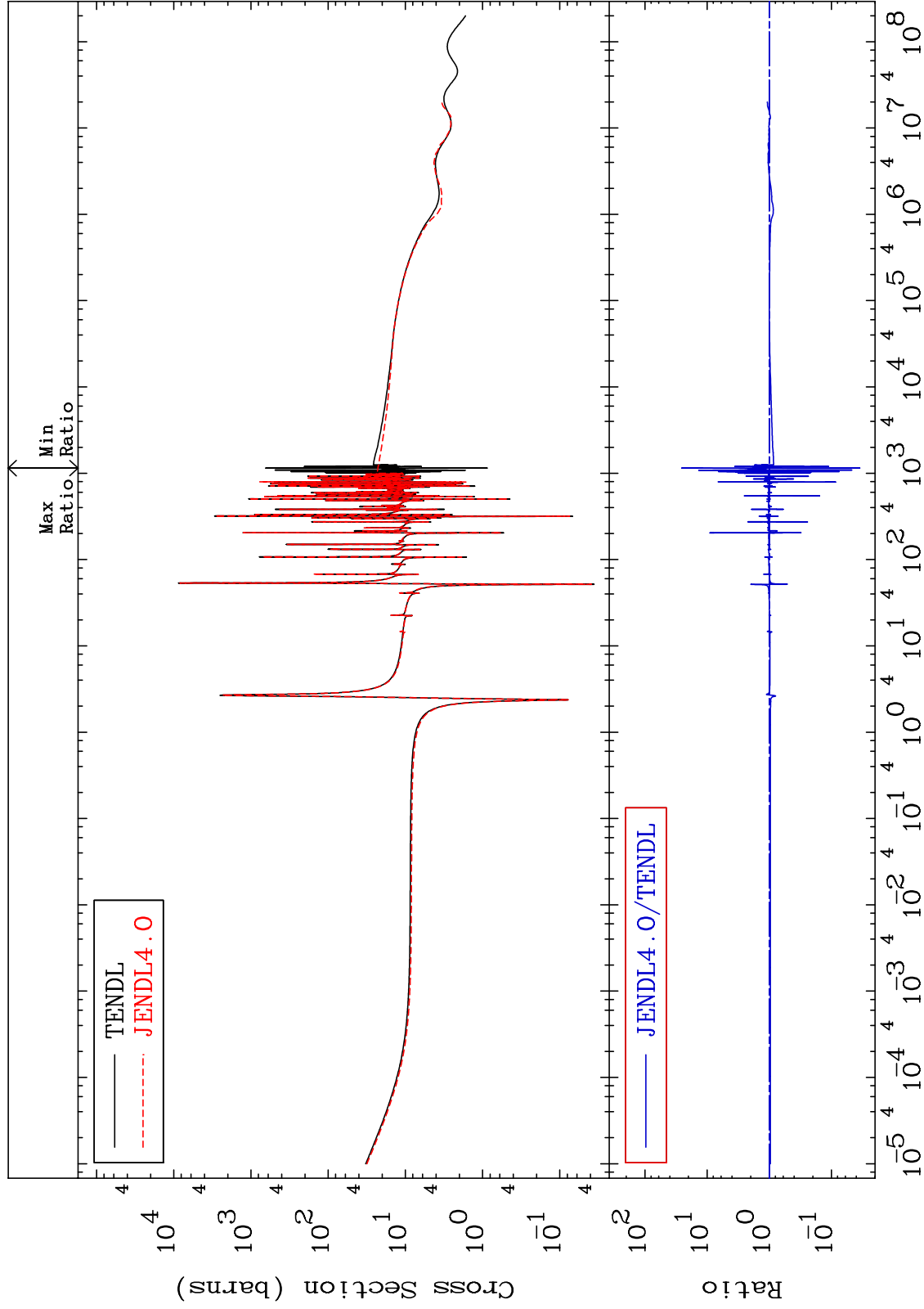
Incident Energy (eV)

94-Pu-242

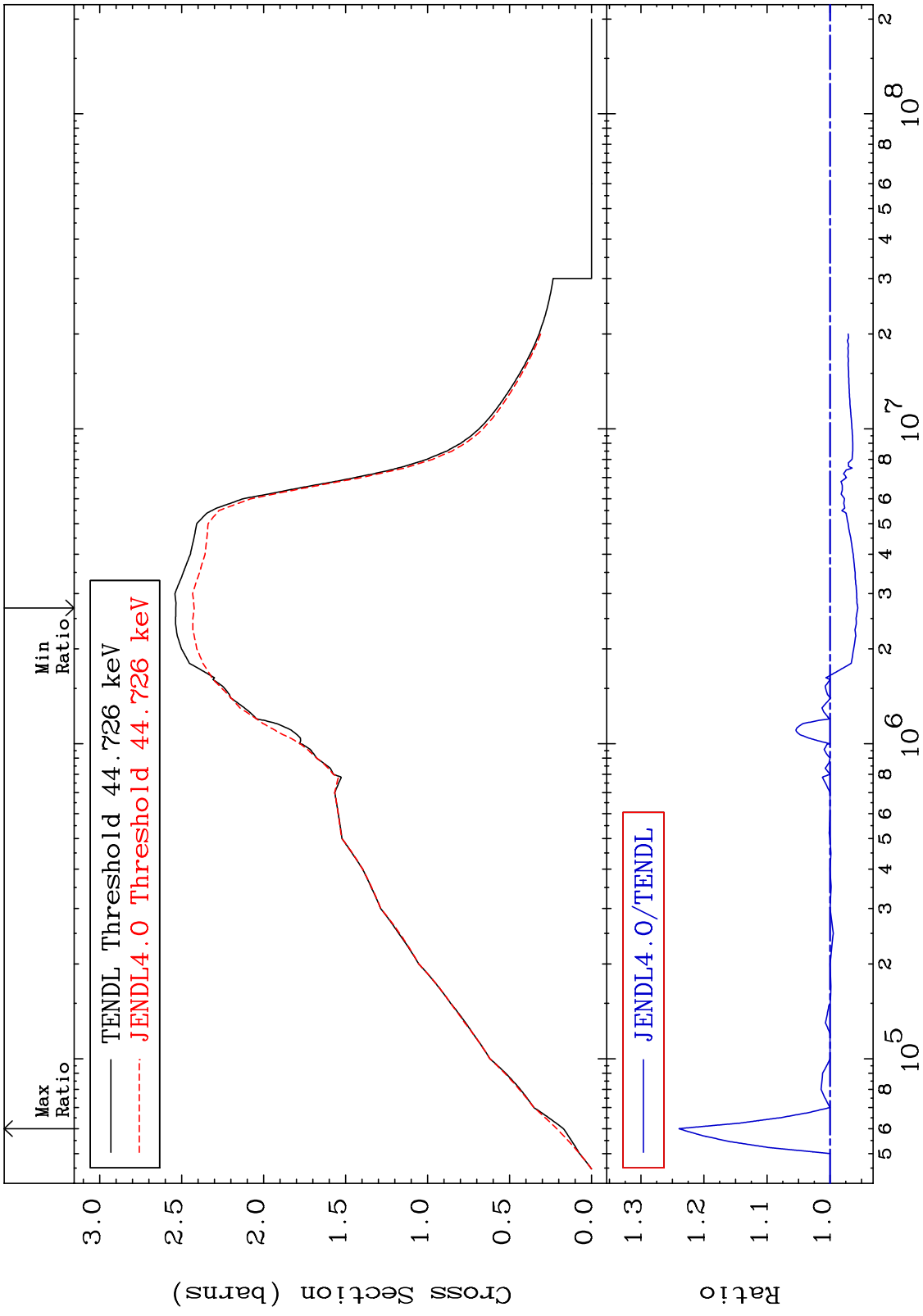
MAT 9446

Elastic  
Cross Section

94-Pu-242  
-96.49 To 2494. %



MAT 9446 Inelastic Cross Section 94-Pu-242  
-4.413 To 23.96 %



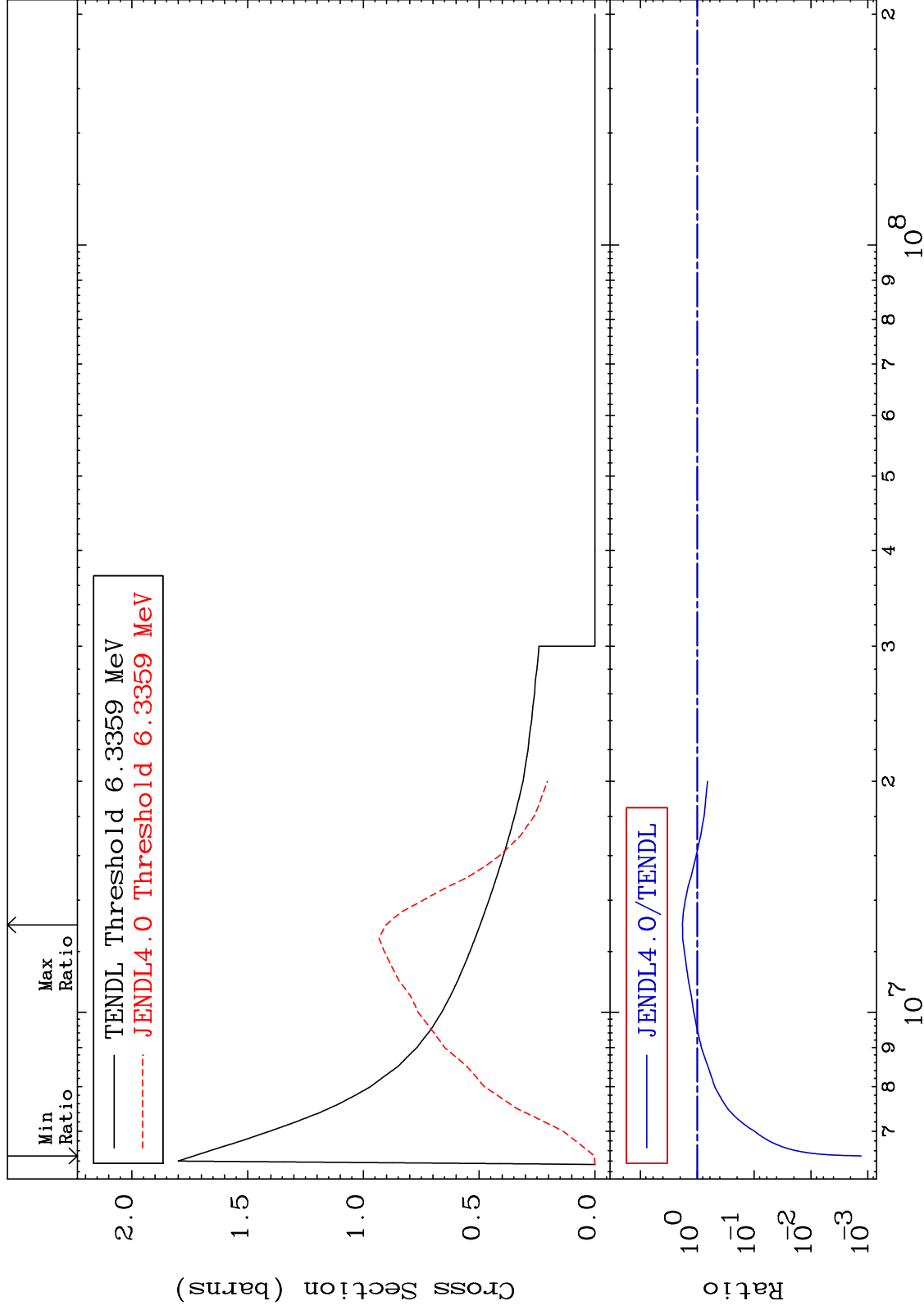
MAT 9446

(n,2n)

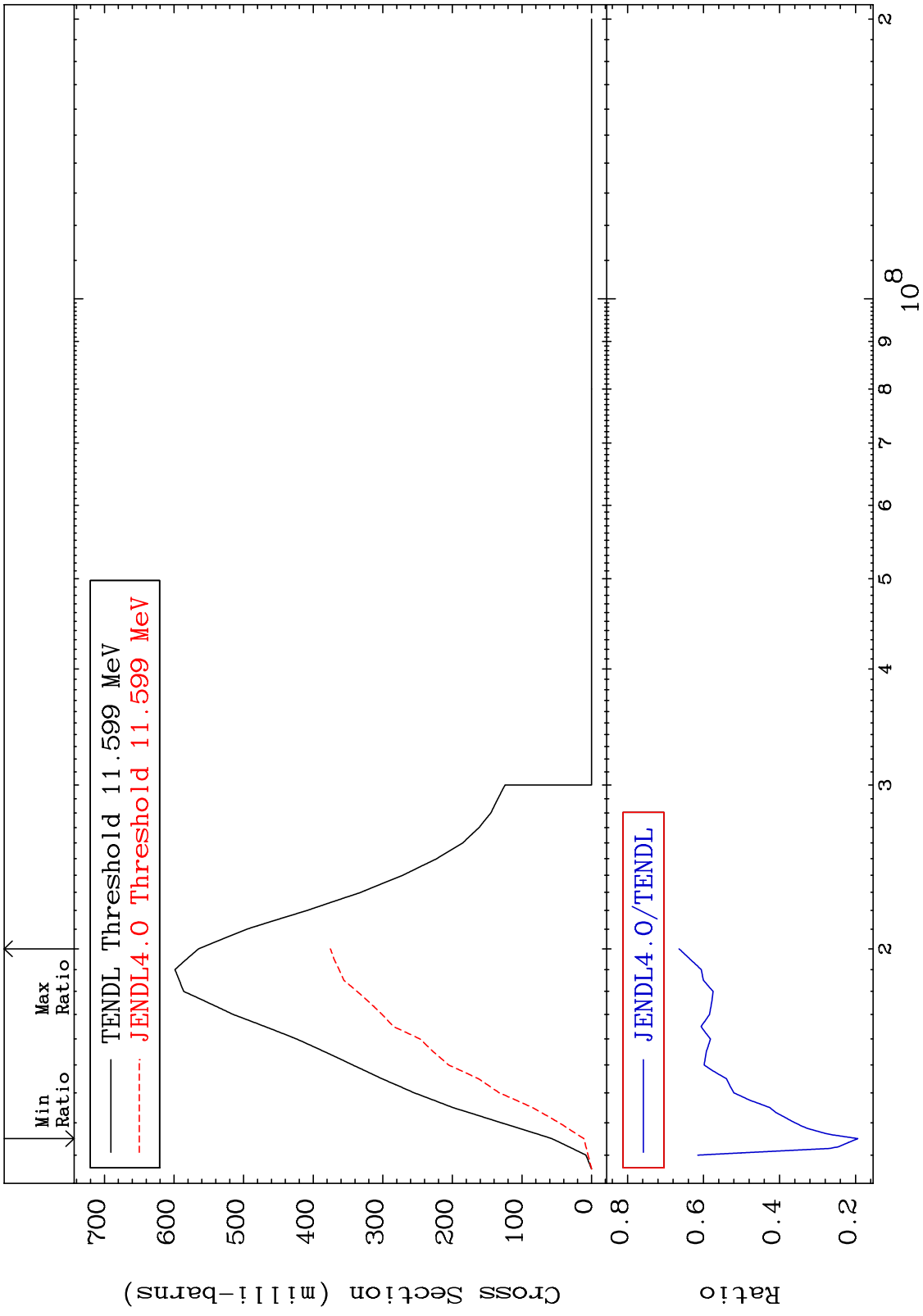
94-Pu-242

Cross Section

-99.87 To 82.07 %



MAT 9446 (n,3n) Cross Section 94-Pu-242 -80.60 To -33.56%



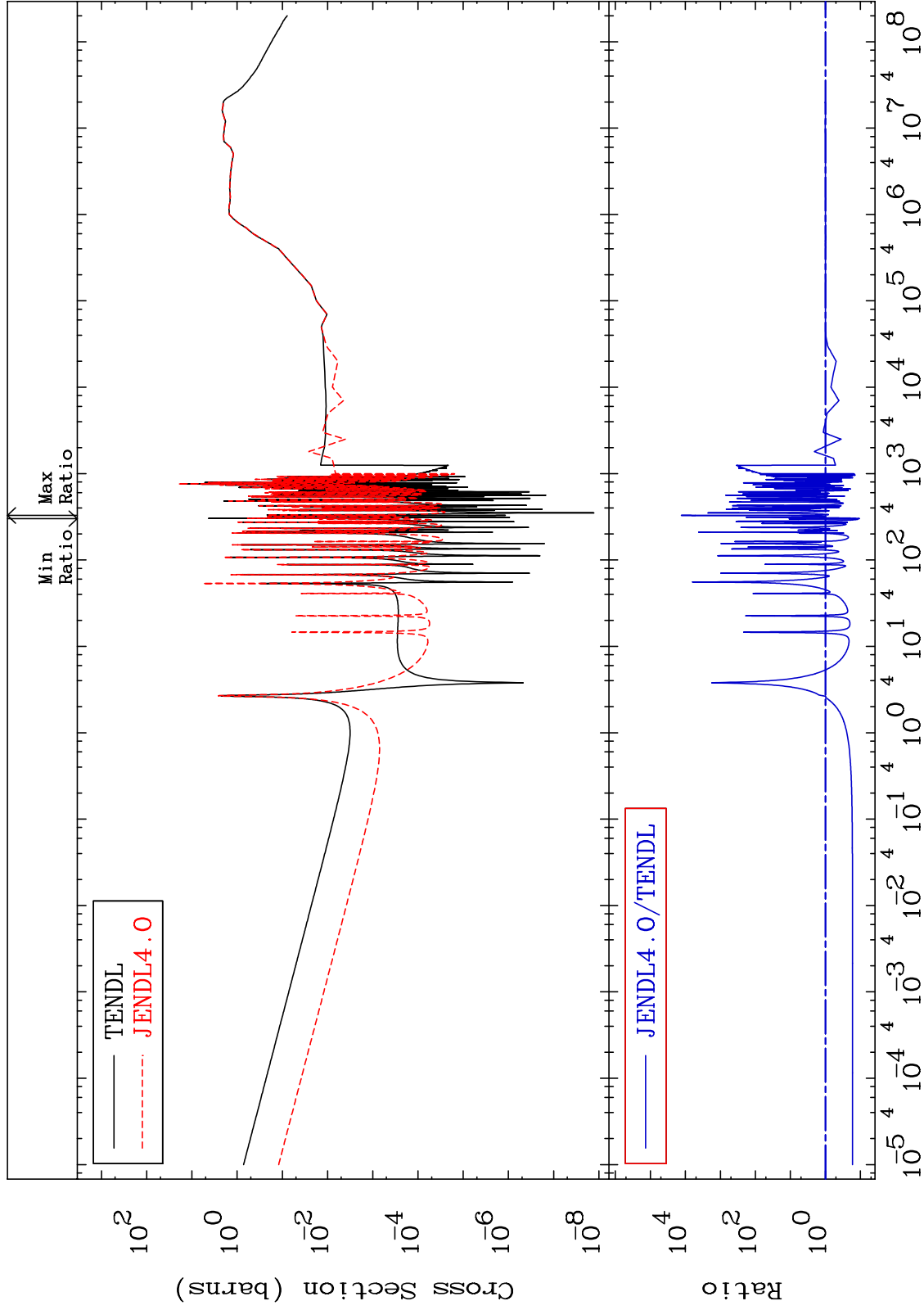
MAT 9446

Fission

94-Pu-242

Cross Section

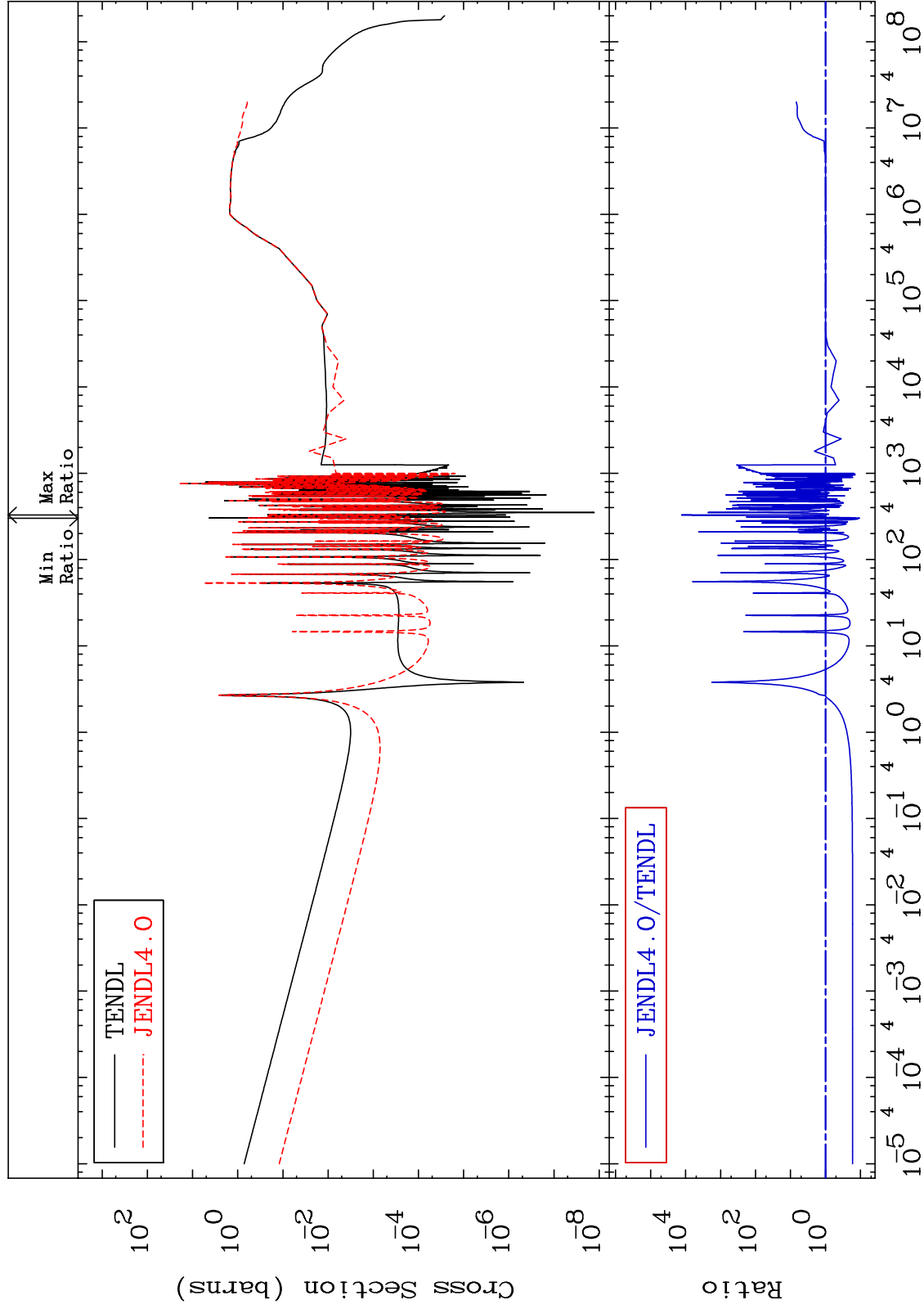
-89.55 To 9999. %



MAT 9446

(n,f) First Chance  
Cross Section

94-Pu-242  
-89.55 To 9999. %



7

Incident Energy (eV)

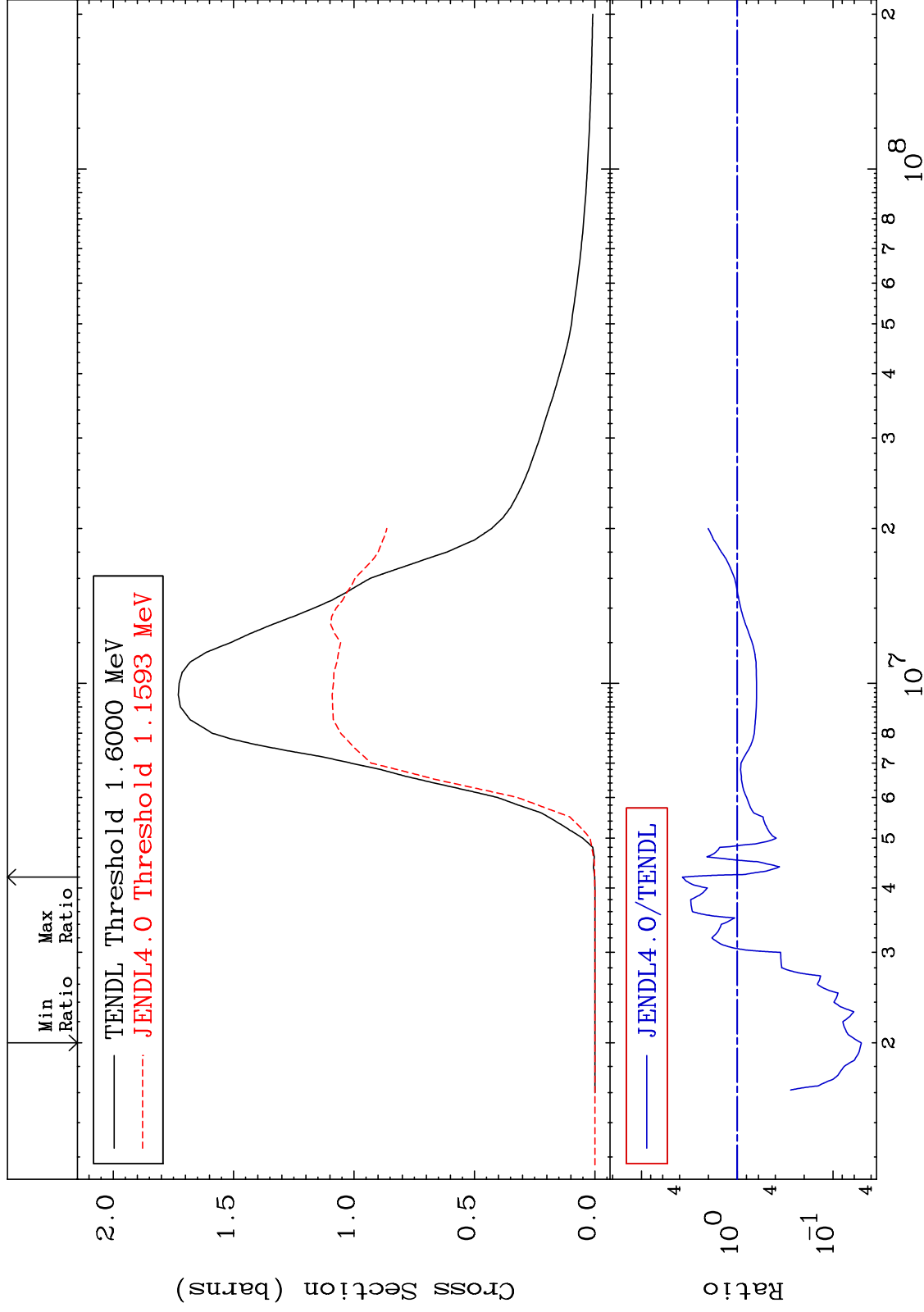
94-Pu-242



MAT 9446

(n, nf) Second Chance  
Cross Section

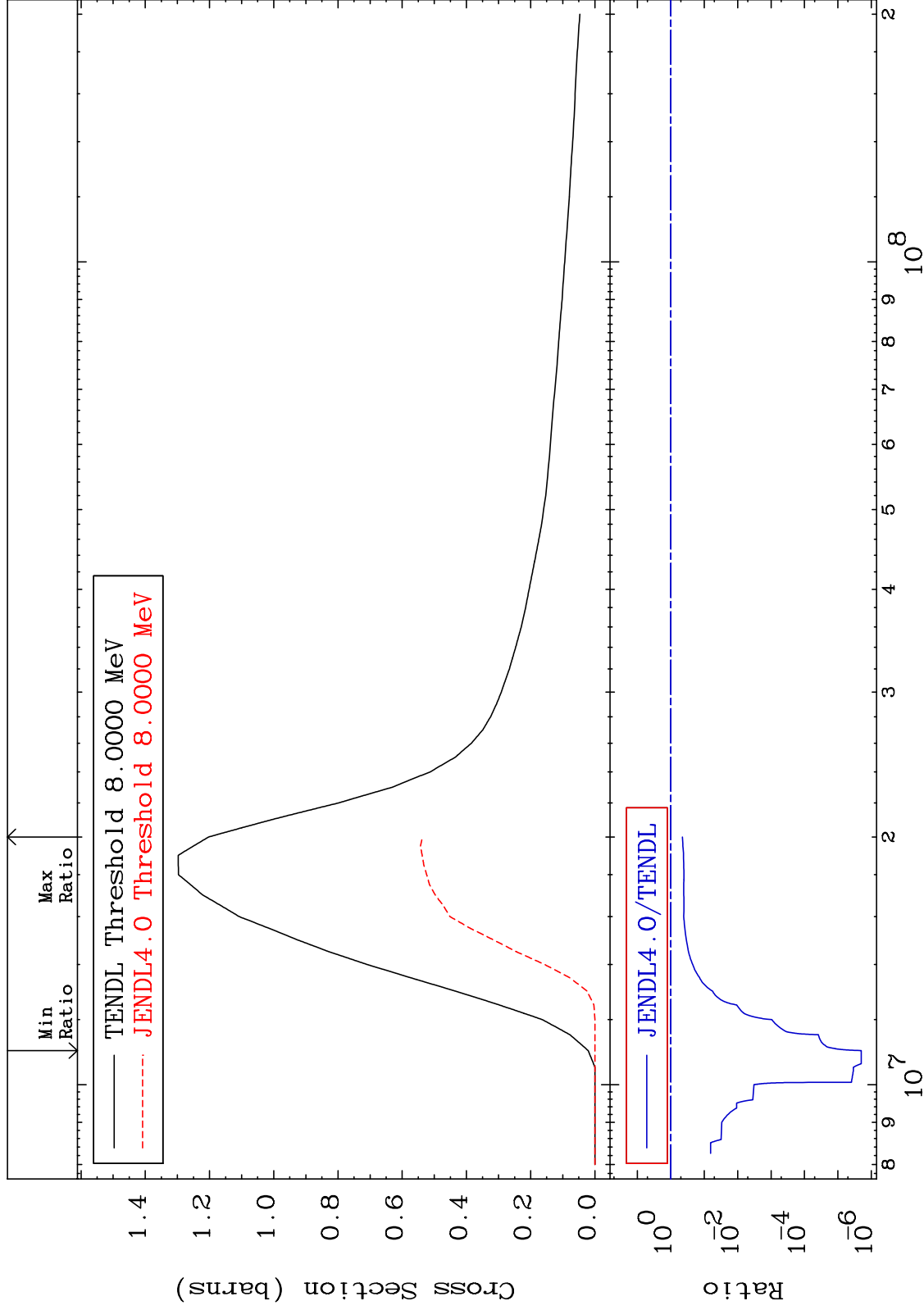
94-Pu-242  
-94.93 To 273.6 %



MAT 9446

(n,2nf) Third Chance  
Cross Section

94-Pu-242  
-100.0 To -55.33%



9

Incident Energy (eV)

94-Pu-242

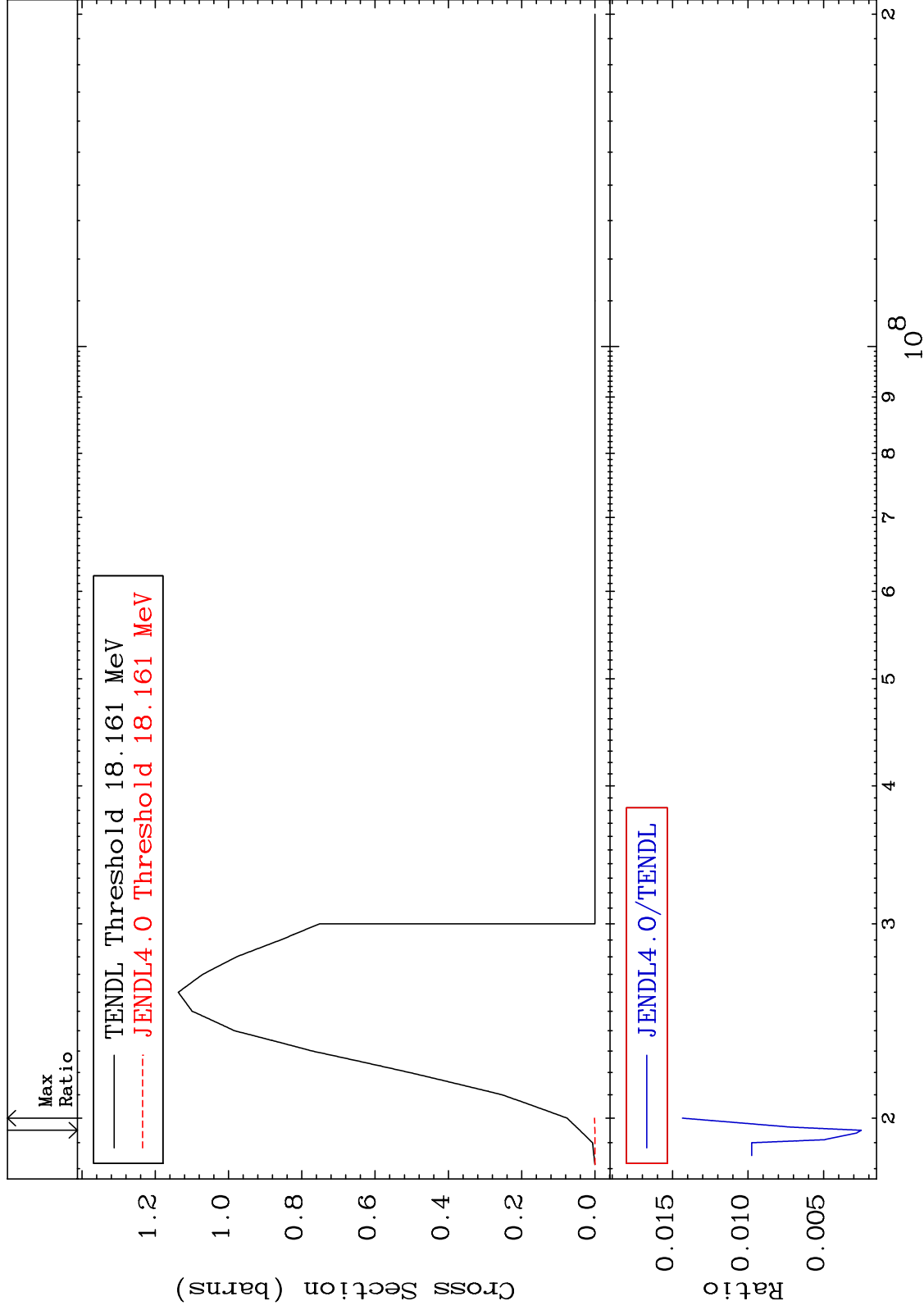
MAT 9446

(n,4n)

94-Pu-242

Cross Section

-99.75 To -98.57%

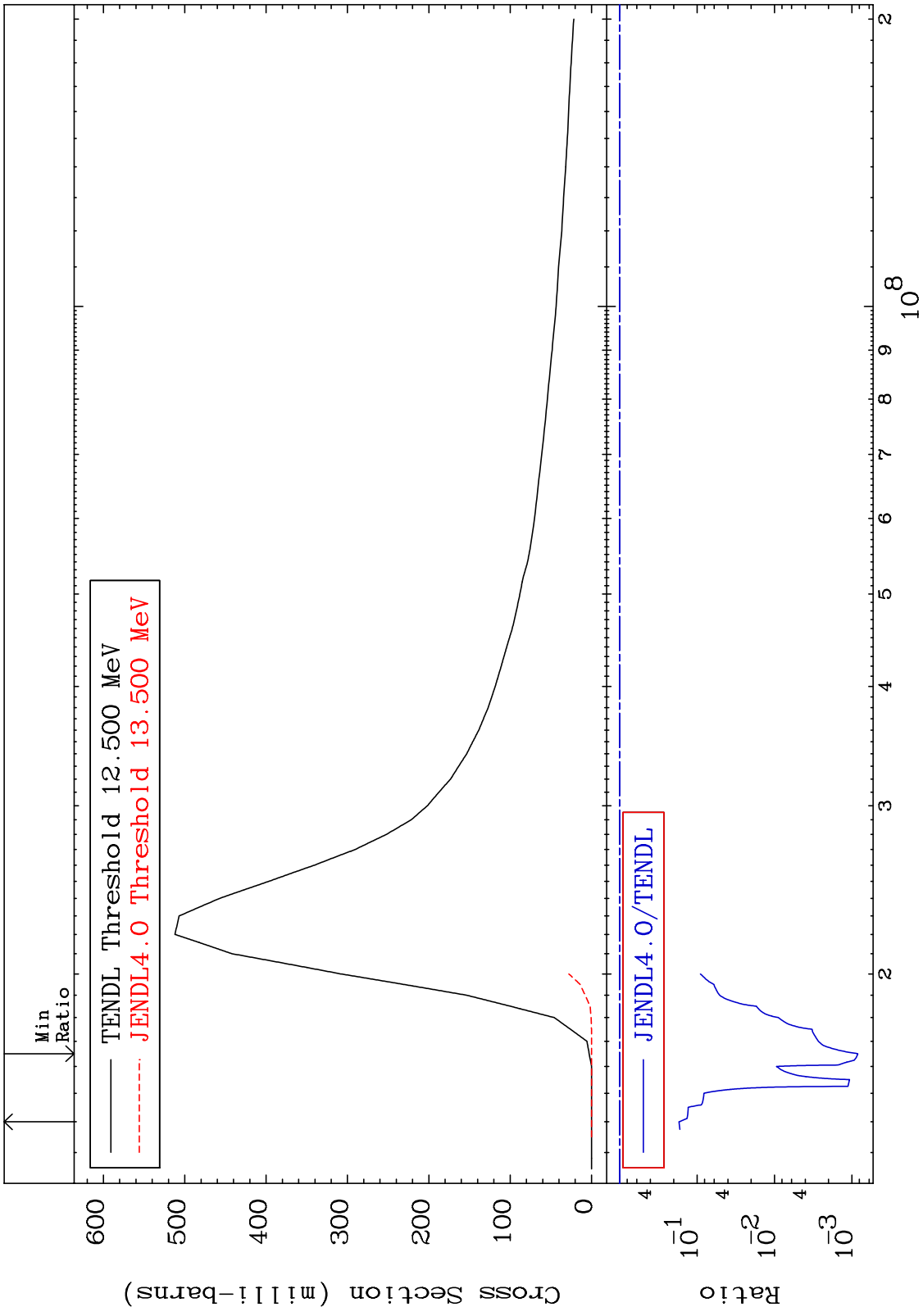


10

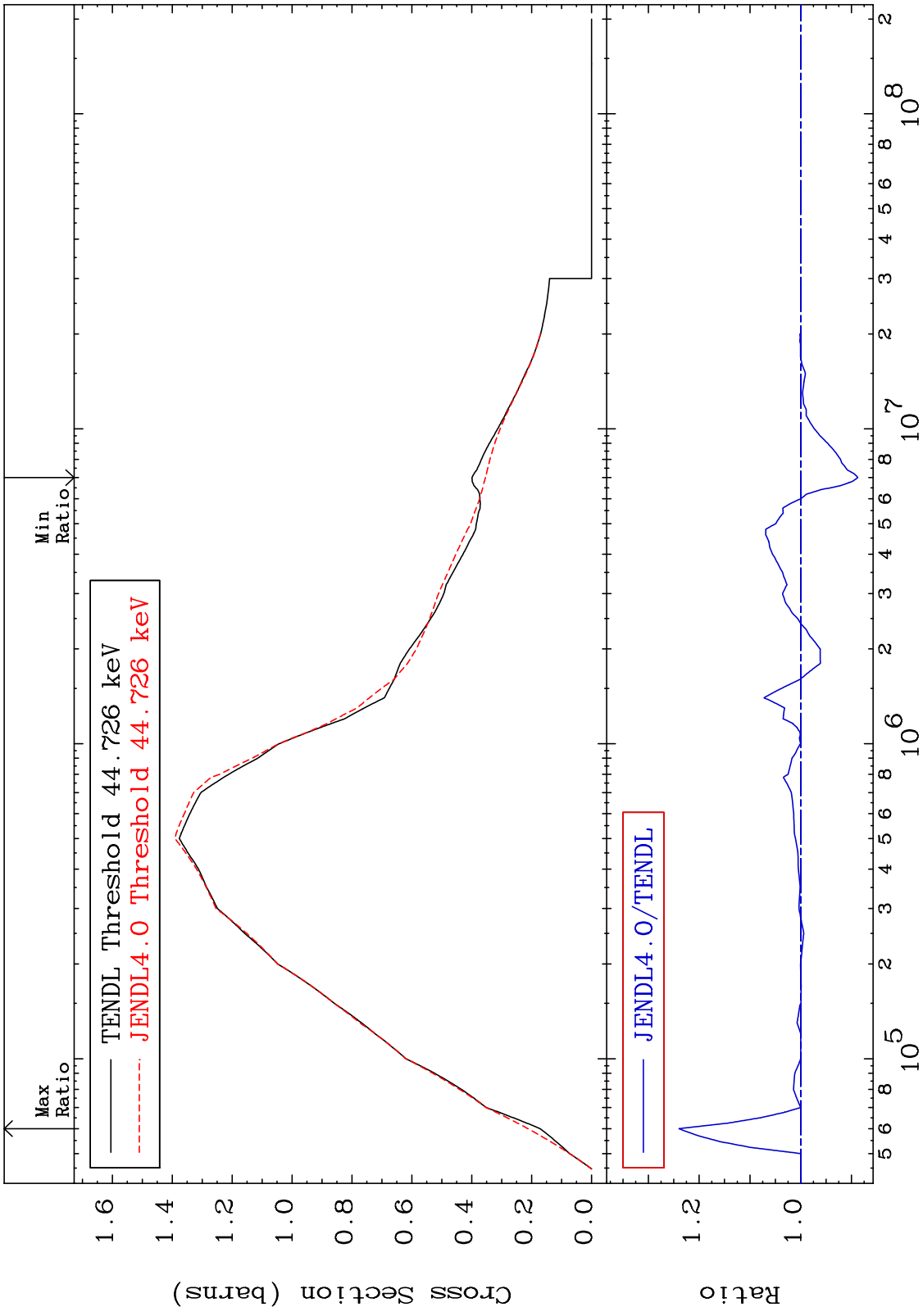
Incident Energy (eV)

94-Pu-242

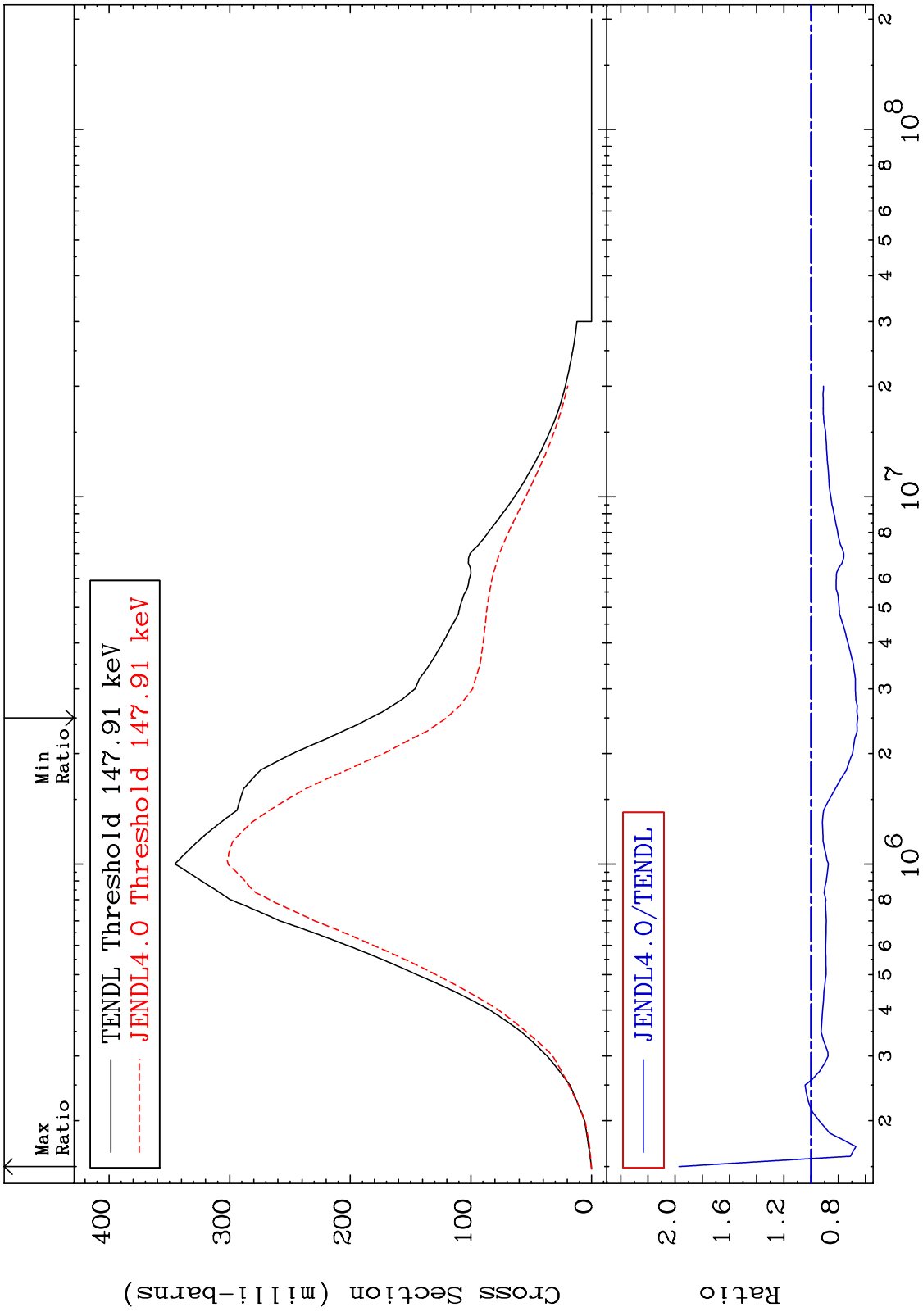
MAT 9446 (n,3nf) Fourth Chance Cross Section 94-Pu-242 -99.92 To -82.92%



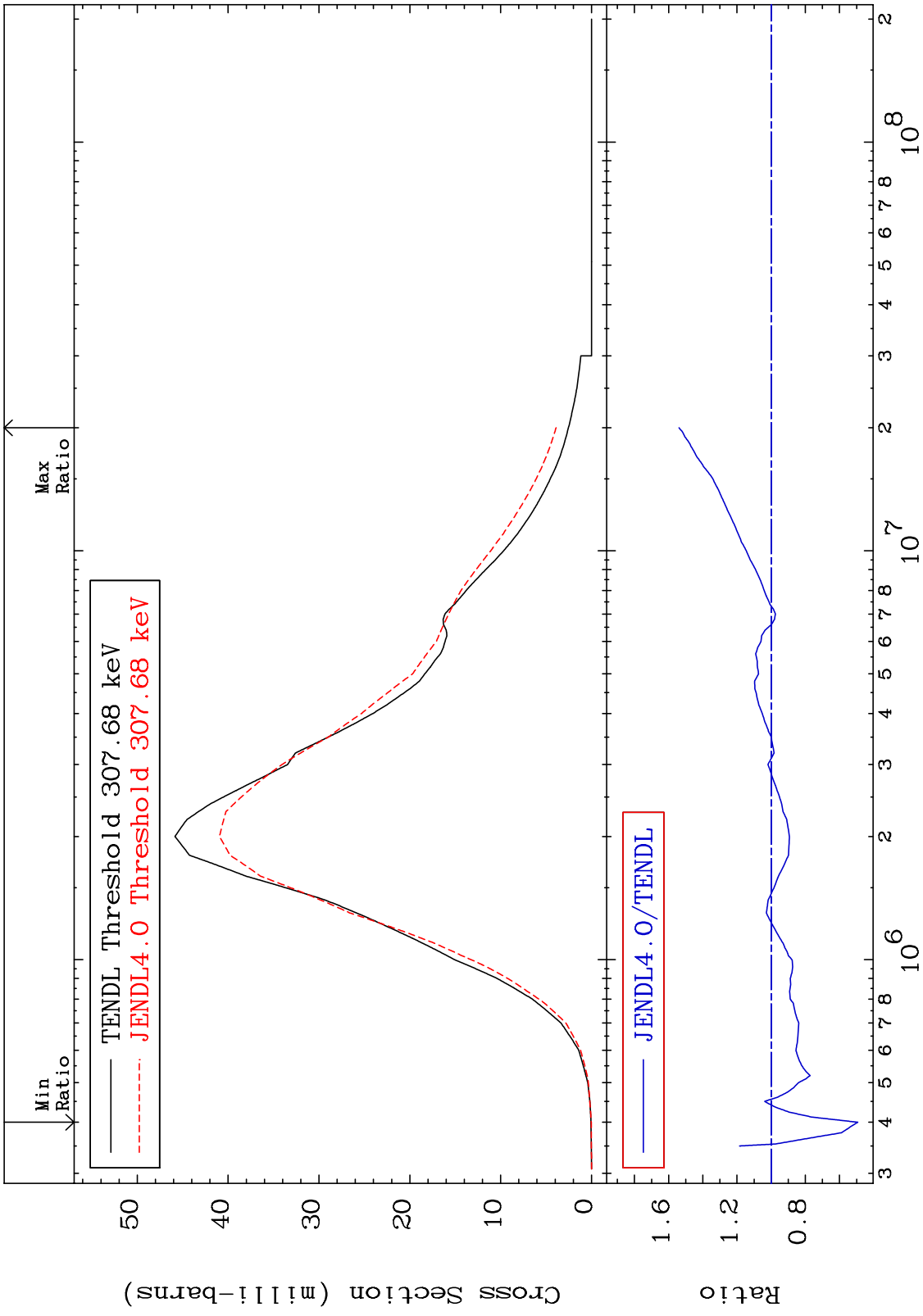
MAT 9446      MT= 51 (n,n') Level      94-Pu-242  
 Cross Section      -11.25 To 23.96 %



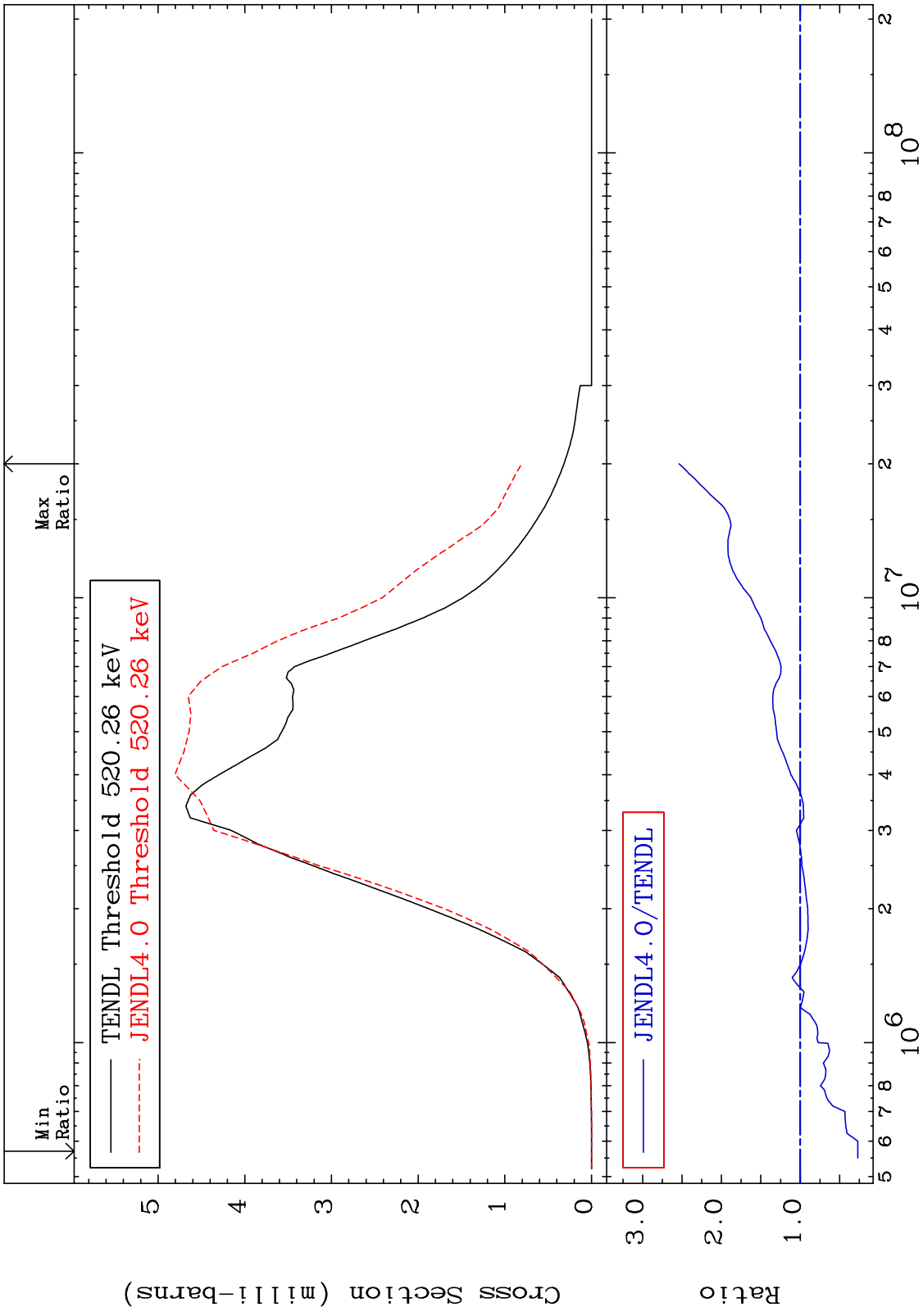
MAT 9446 MT= 52 (n,n') Level Cross Section 94-Pu-242  
 -34.41 To 97.10 %



MAT 9446 MT= 53 (n,n') Level Cross Section 94-Pu-242  
 -50.72 To 53.92 %



MAT 9446 MT= 54 (n,n') Level Cross Section -73.25 To 153.9 % 94-Pu-242

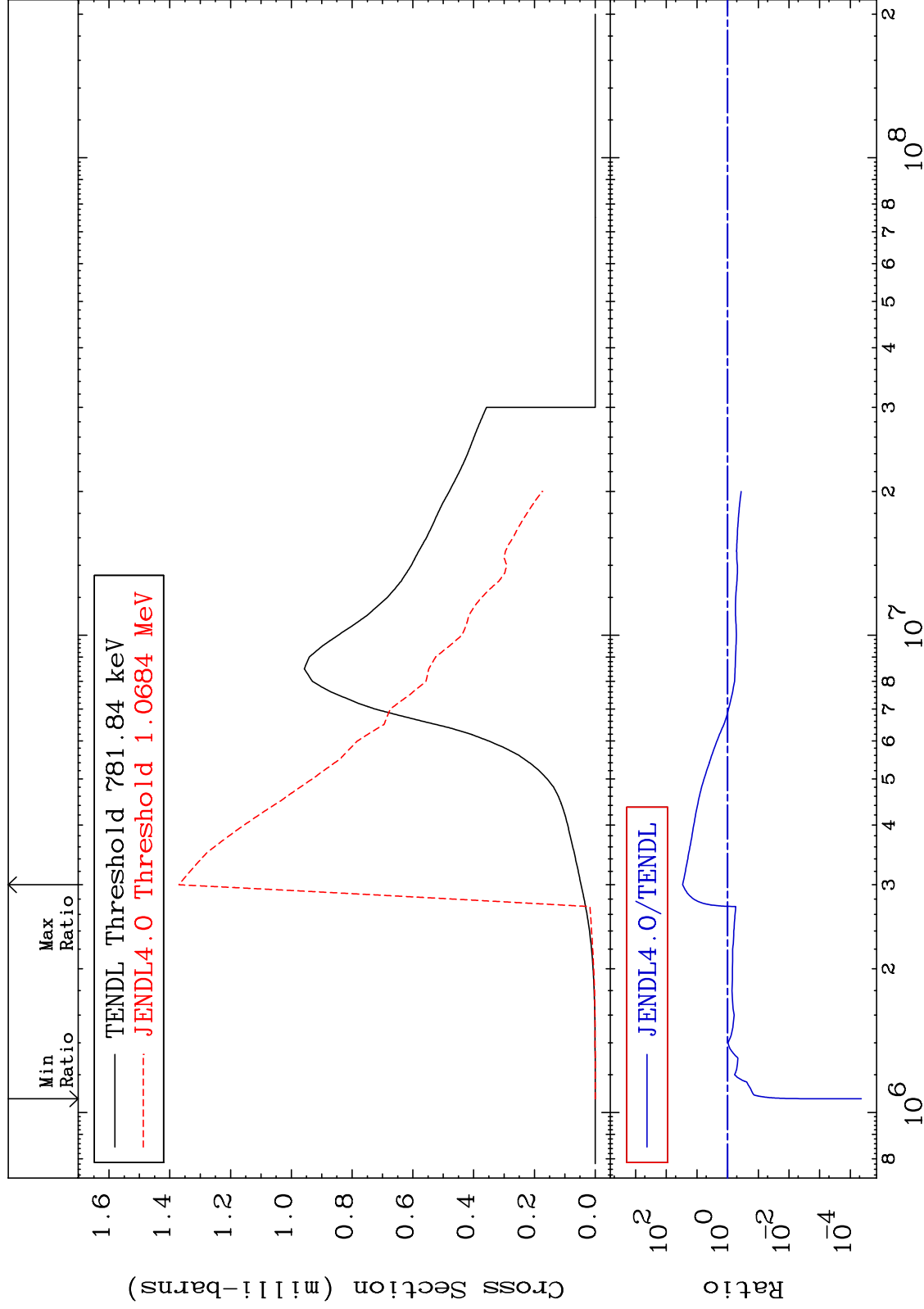




MAT 9446

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

94-Pu-242  
-100.0 To 2828. %

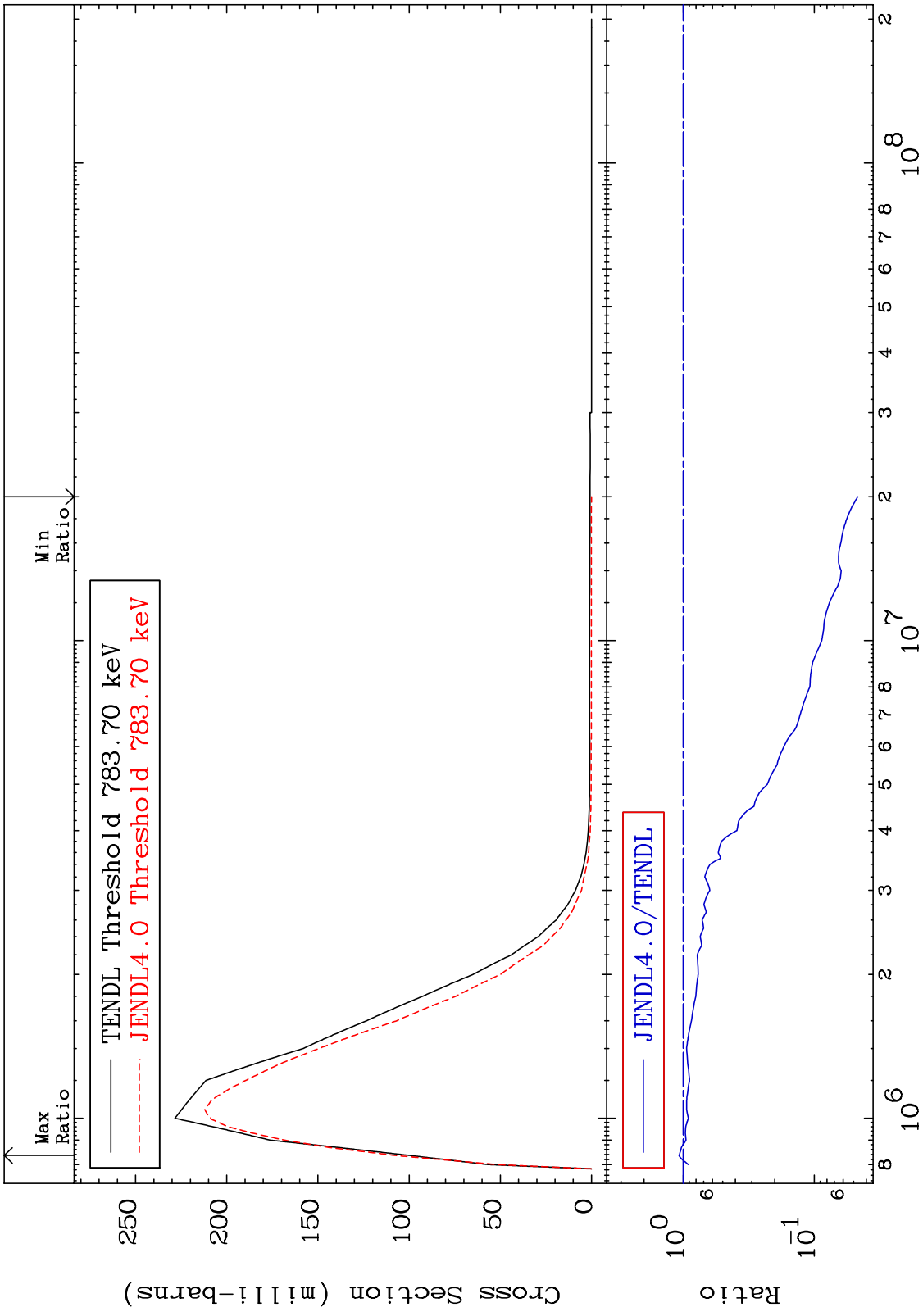


16

Incident Energy (eV)

94-Pu-242

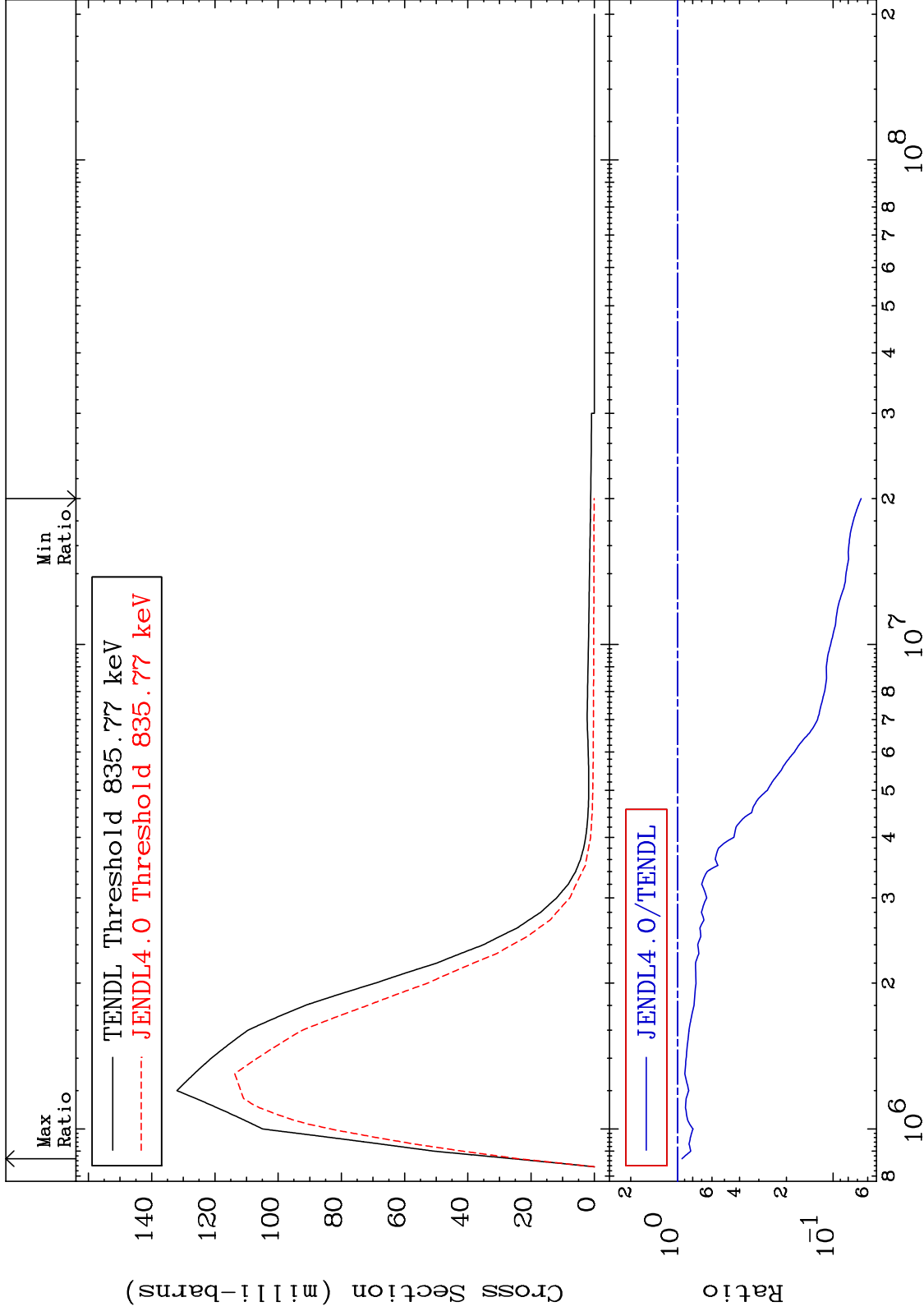
MAT 9446 MT= 56 (n,n') Level Cross Section 94-Pu-242  
 -95.36 To 7.909 %



MAT 9446

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

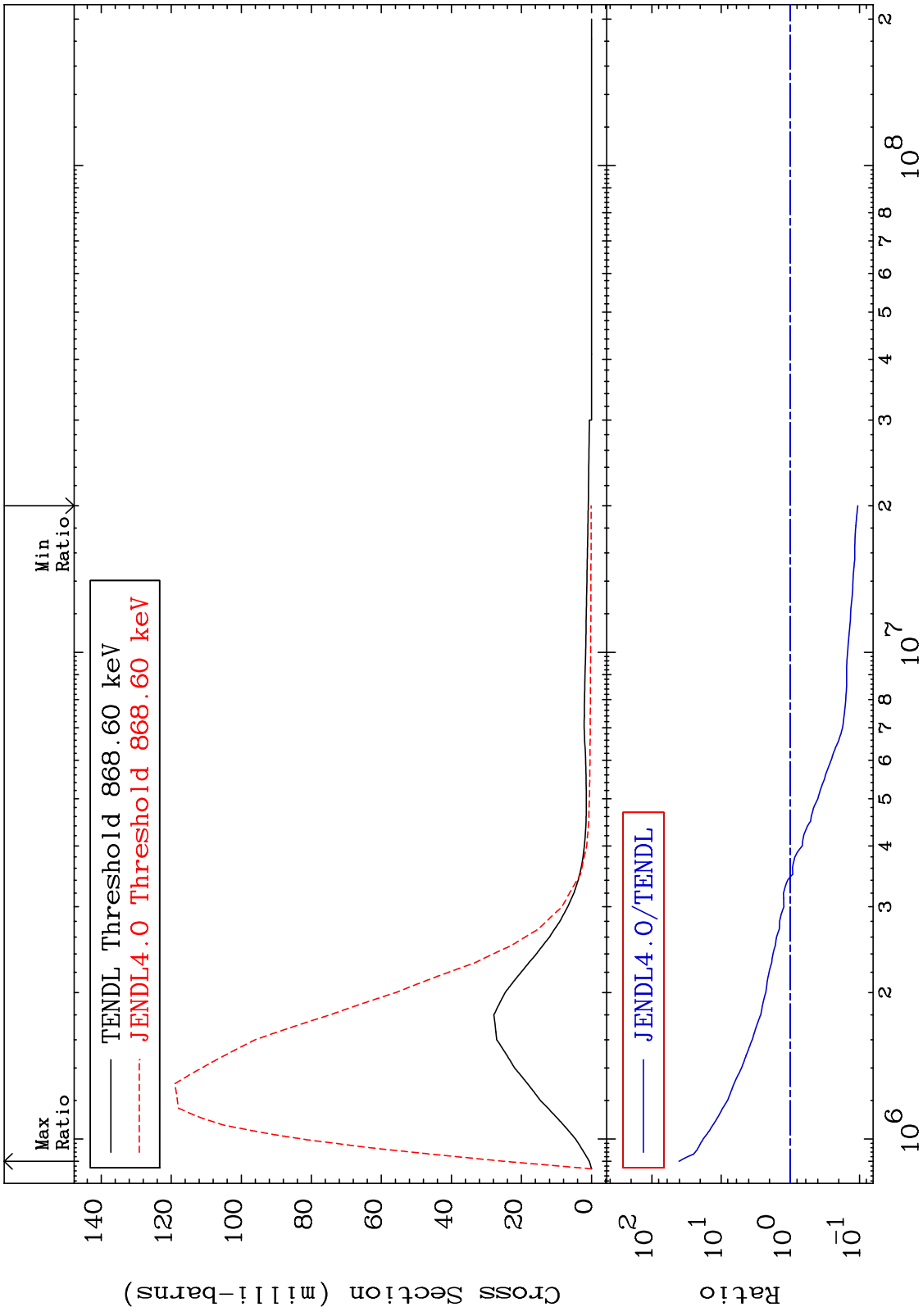
94-Pu-242  
-93.39 To -6.472%



18

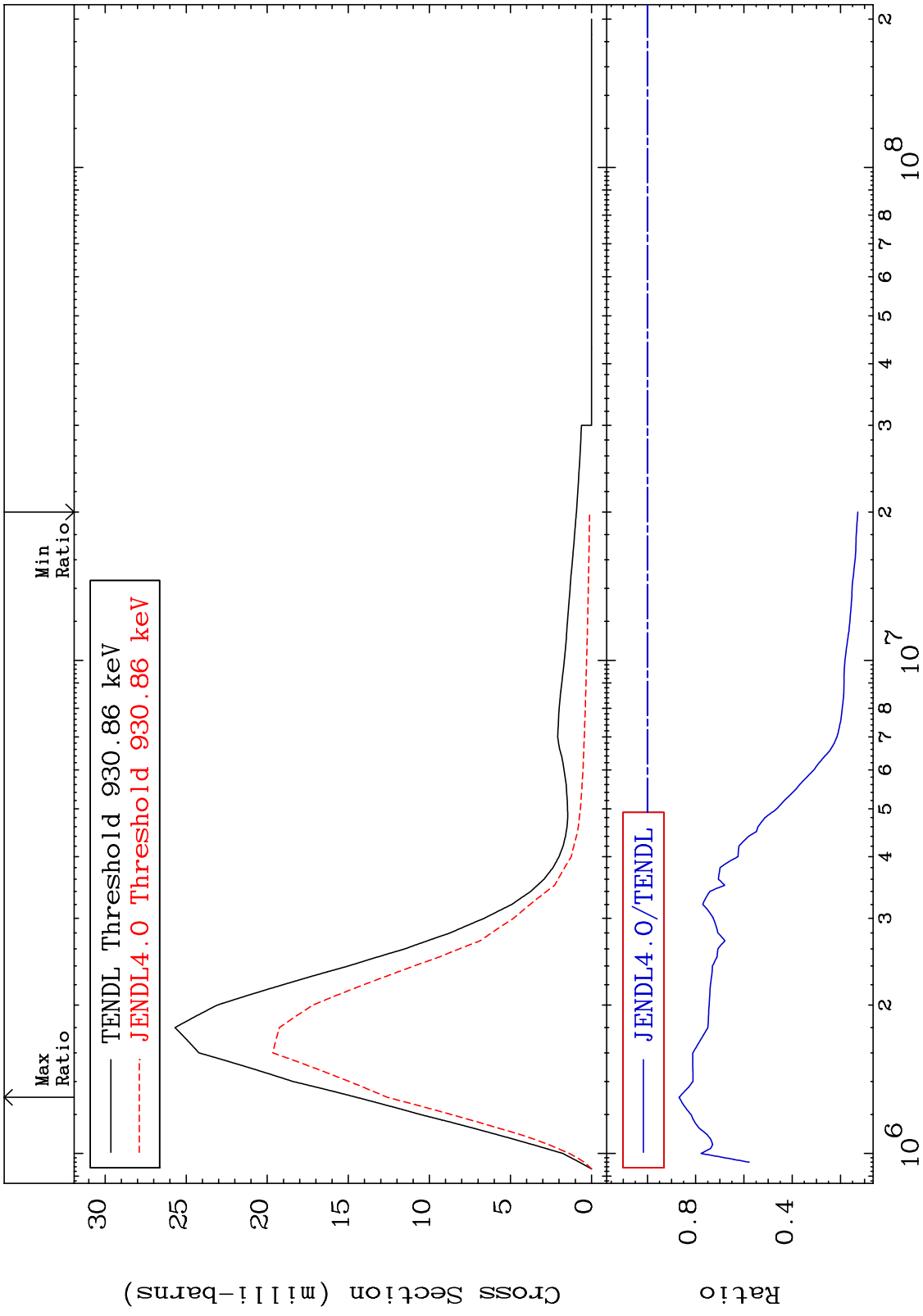
94-Pu-242

MAT 9446 MT= 58 (n,n') Level Cross Section -89.42 To 3947. % 94-Pu-242



19 94-Pu-242

MAT 9446 MT= 59 (n,n') Level Cross Section 94-Pu-242 -87.17 To -13.11%

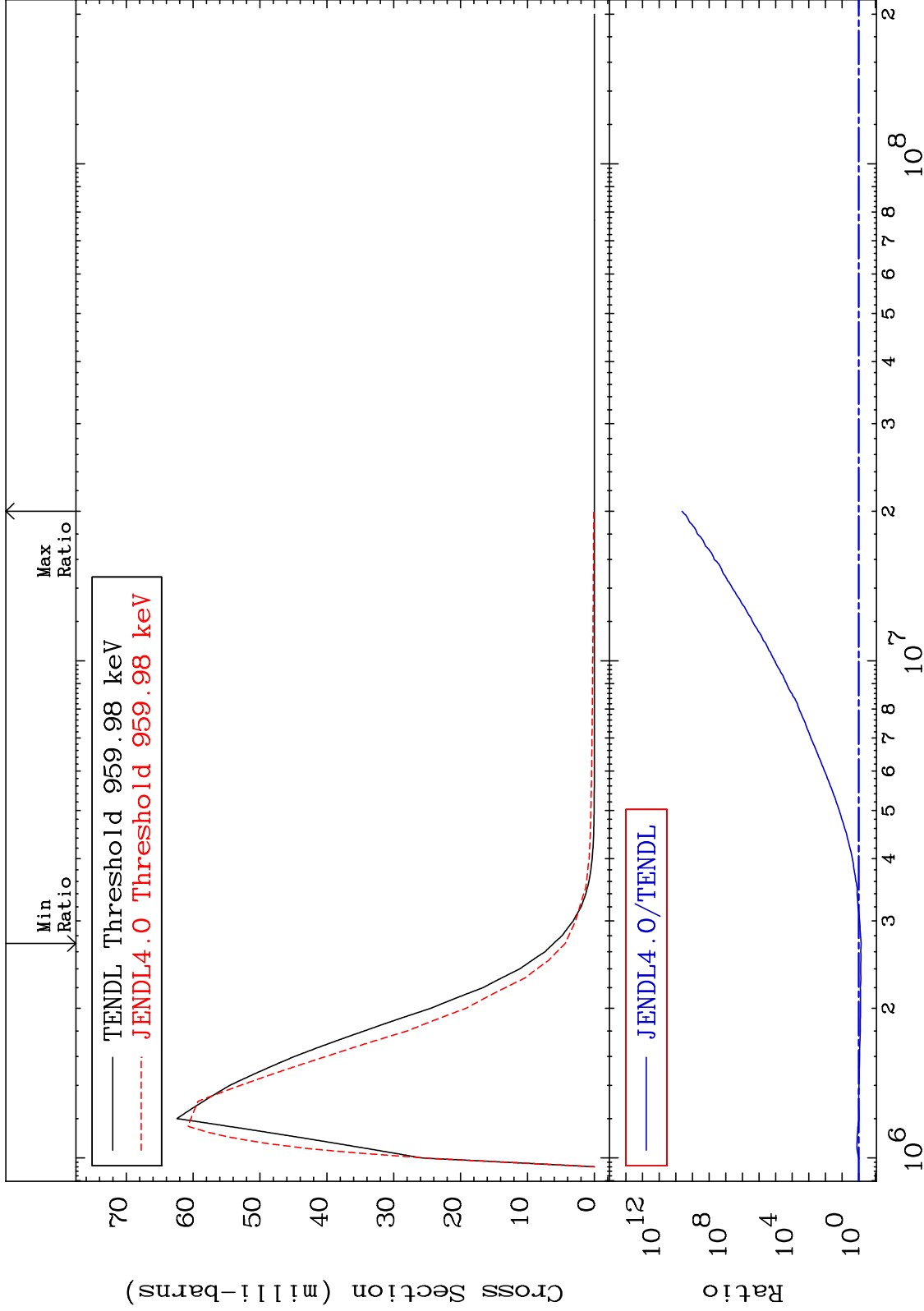


94-Pu-242

MAT 9446

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

94-Pu-242  
-28.70 To 9999. %

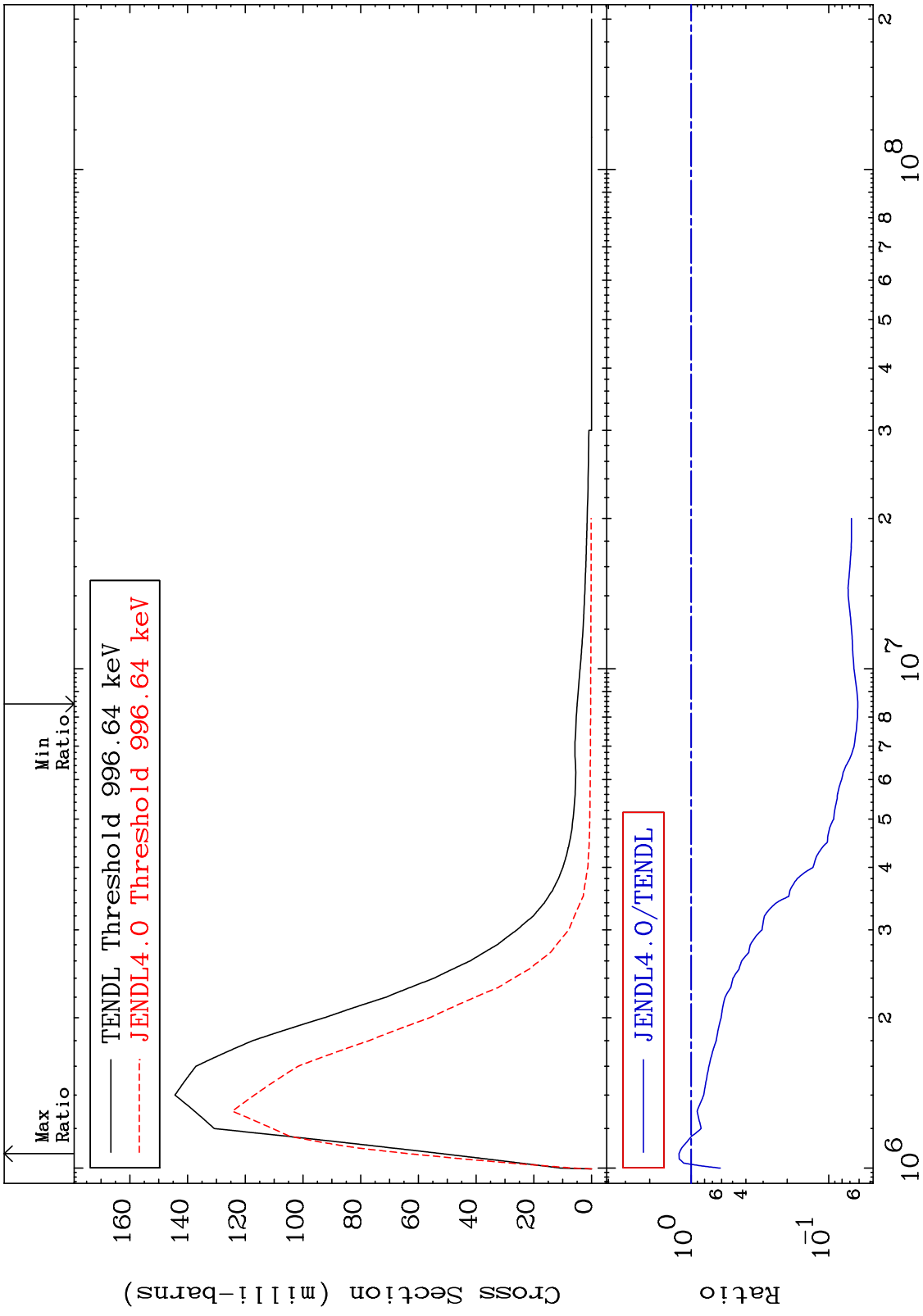


21

Incident Energy (eV)

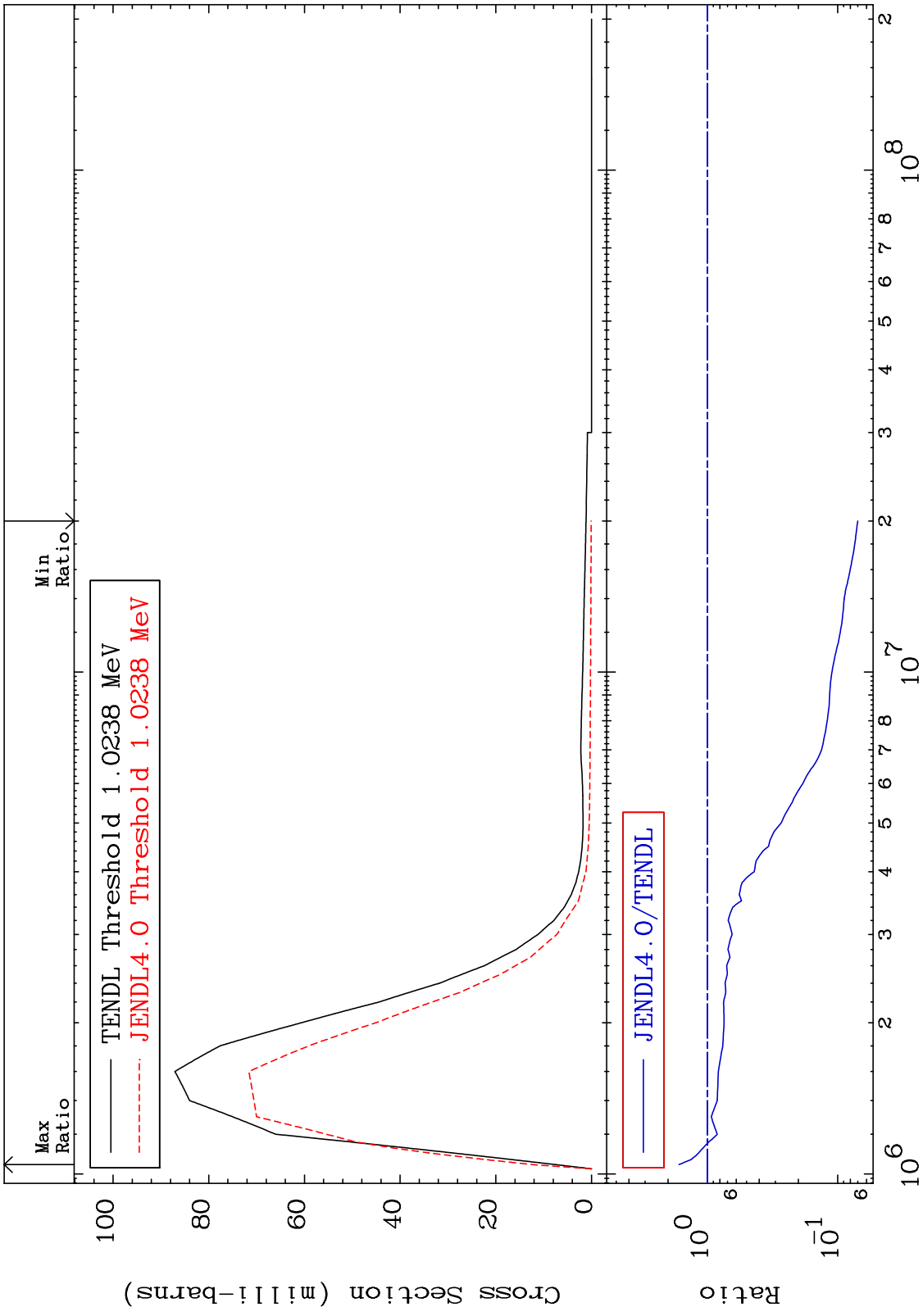
94-Pu-242

MAT 9446 MT= 61 (n,n') Level Cross Section 94-Pu-242  
 -93.87 To 22.39 %



Incident Energy (eV) 94-Pu-242

MAT 9446 MT= 62 (n,n') Level Cross Section 94-Pu-242  
 -93.00 To 64.85 %

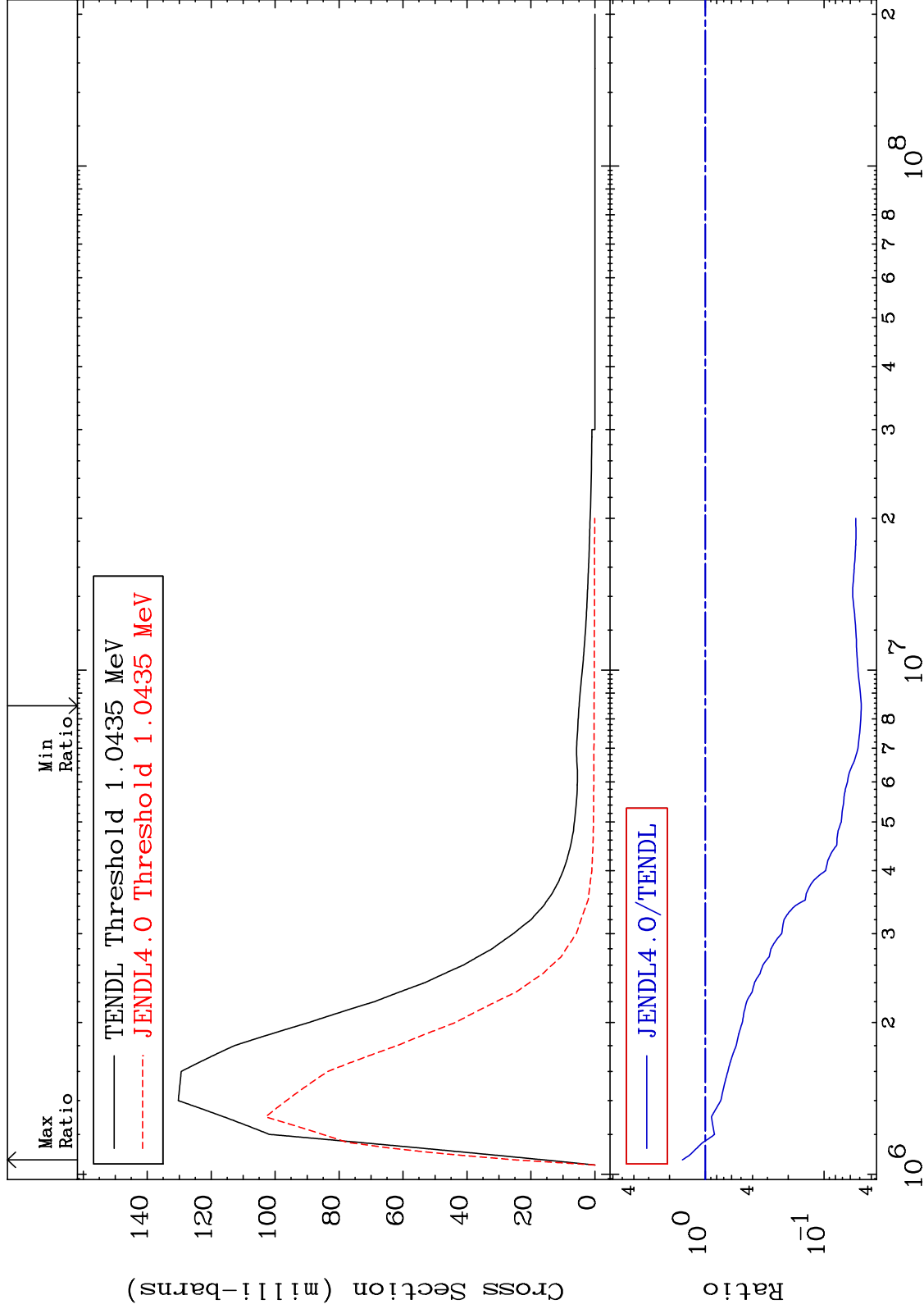




MAT 9446

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

94-Pu-242  
-95.15 To 55.67 %

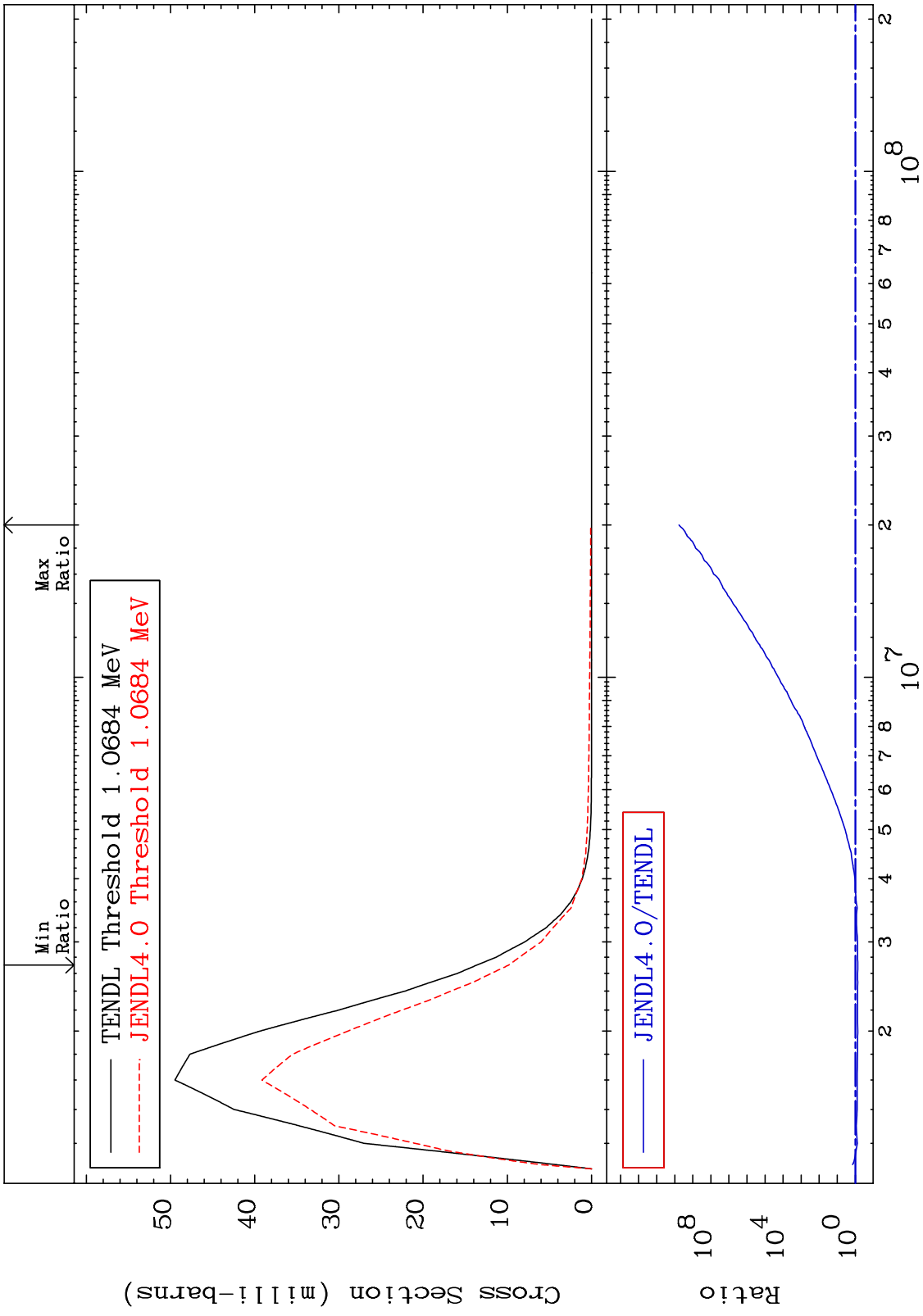


24

Incident Energy (eV)

94-Pu-242

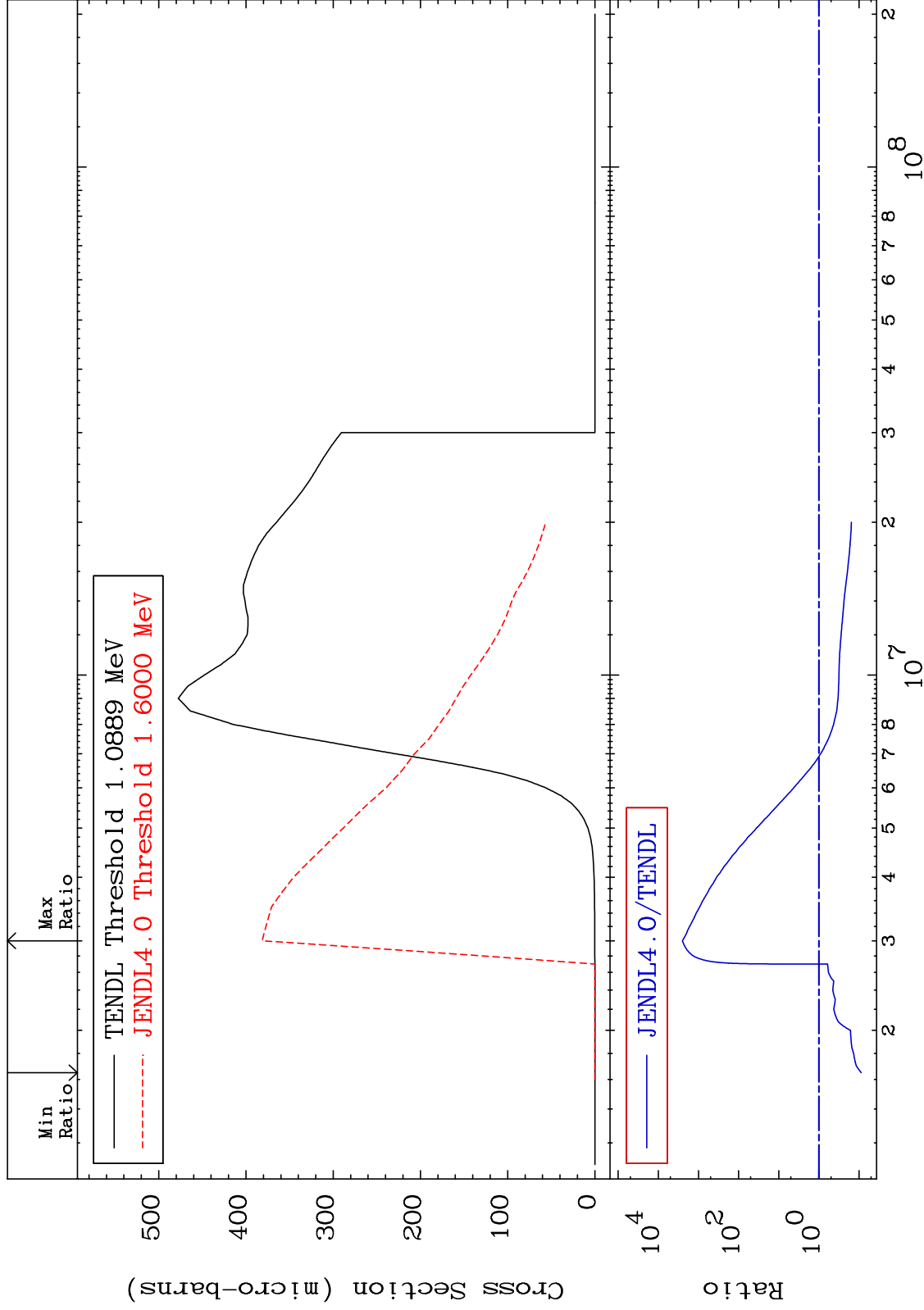
MAT 9446 MT= 64 (n,n') Level Cross Section 94-Pu-242  
 -27.84 To 9999. %



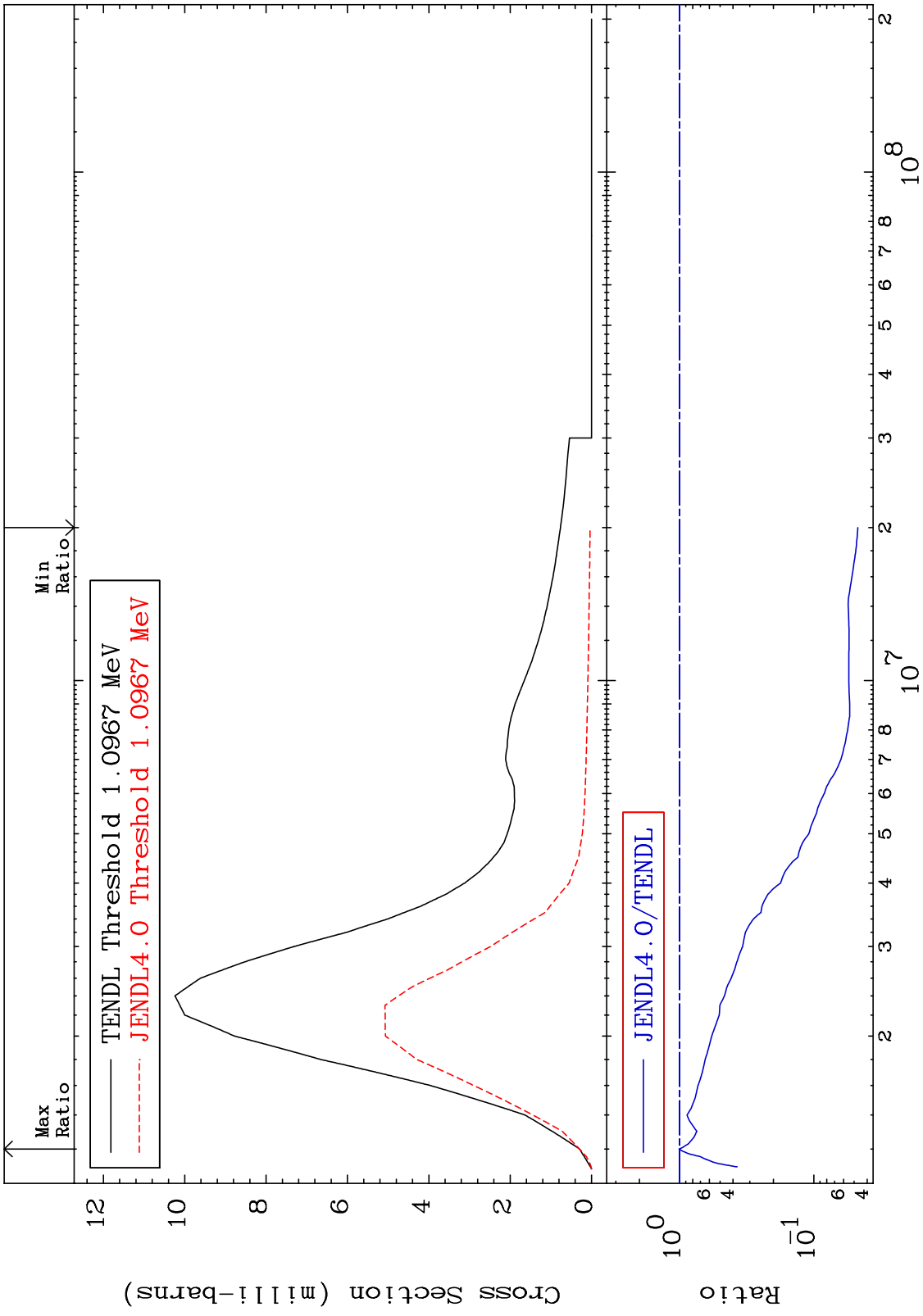
MAT 9446

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

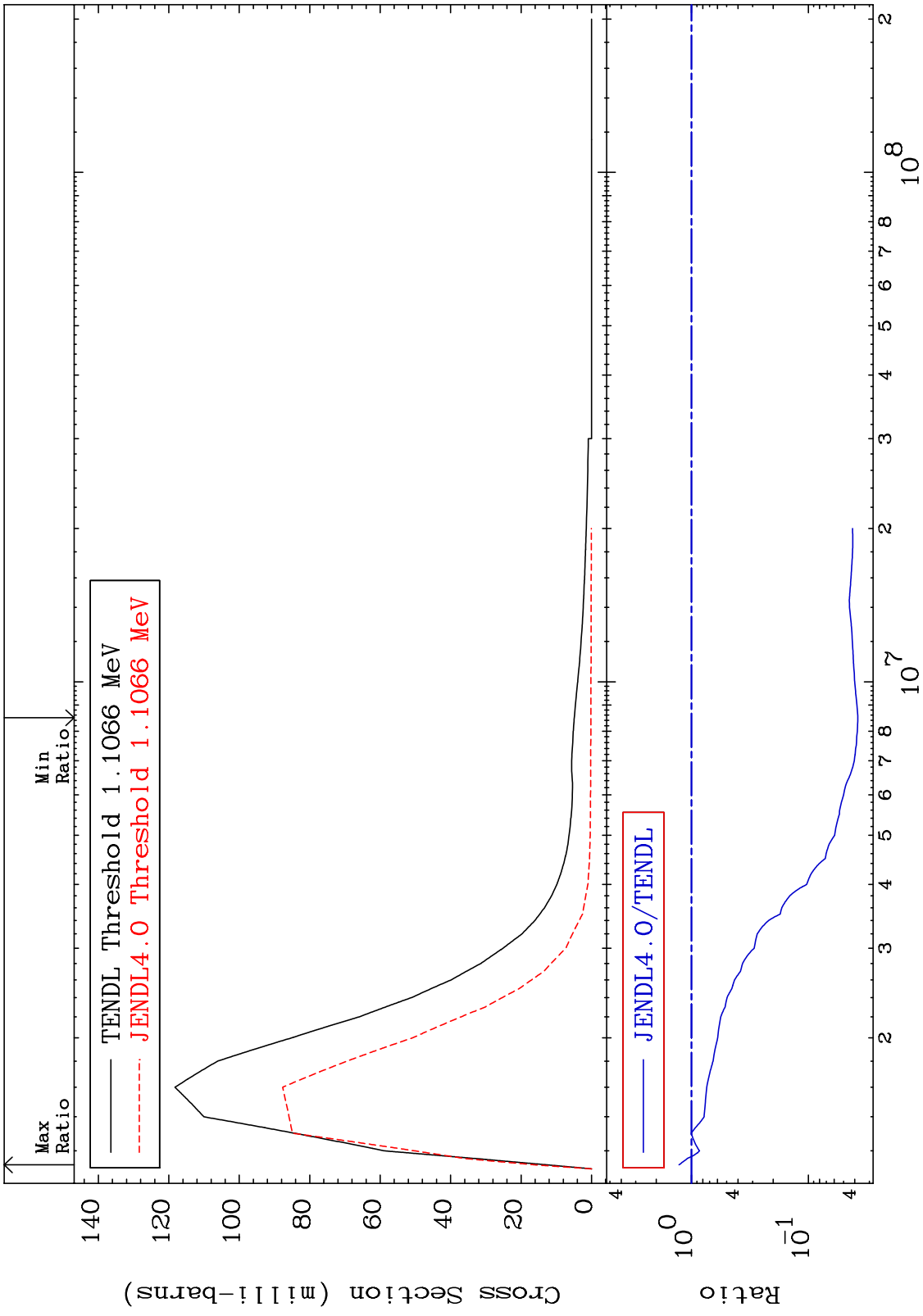
94-Pu-242  
-91.21 To 9999. %



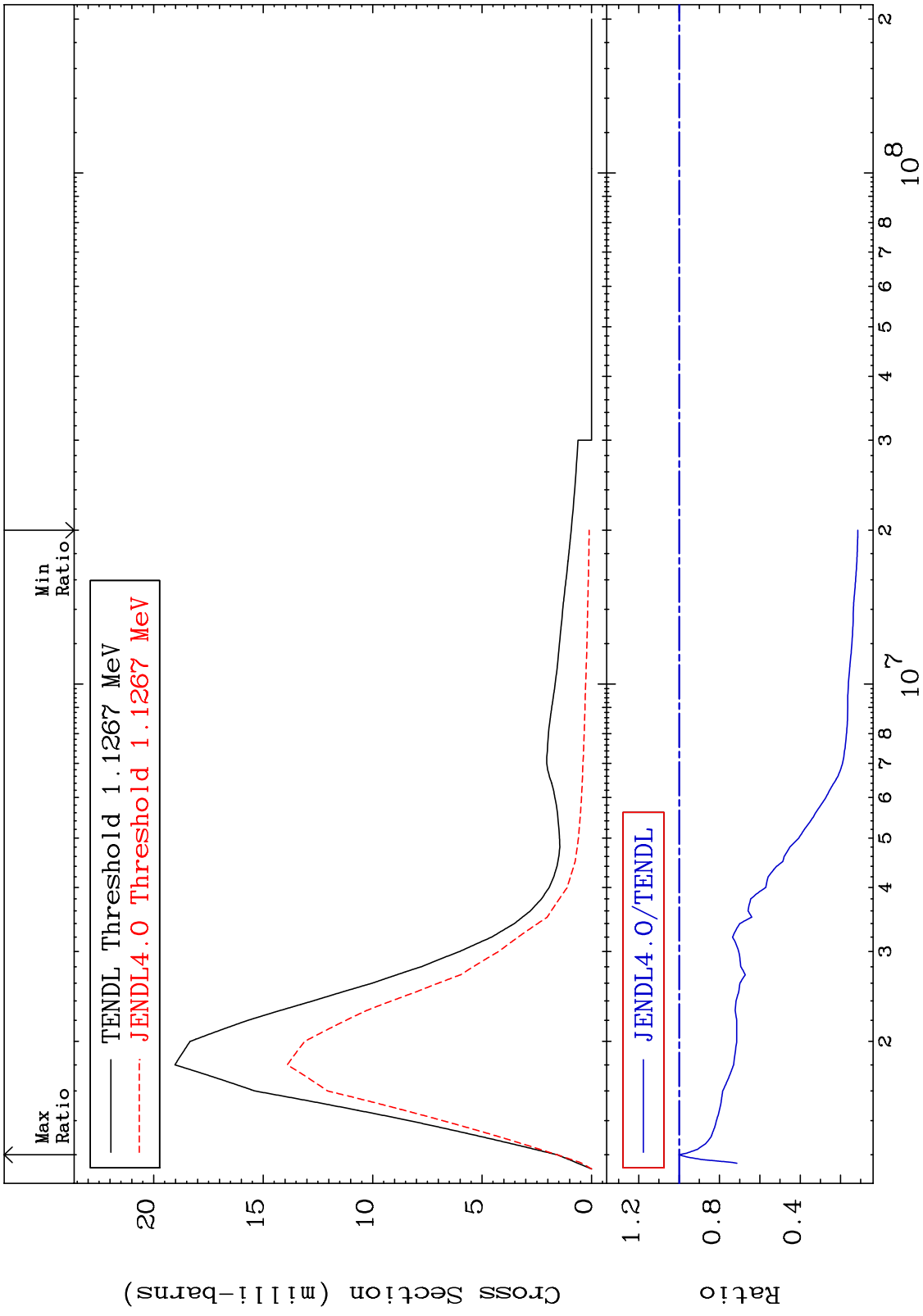
MAT 9446 MT= 66 (n,n') Level Cross Section 94-Pu-242  
 -95.31 To 1.124 %



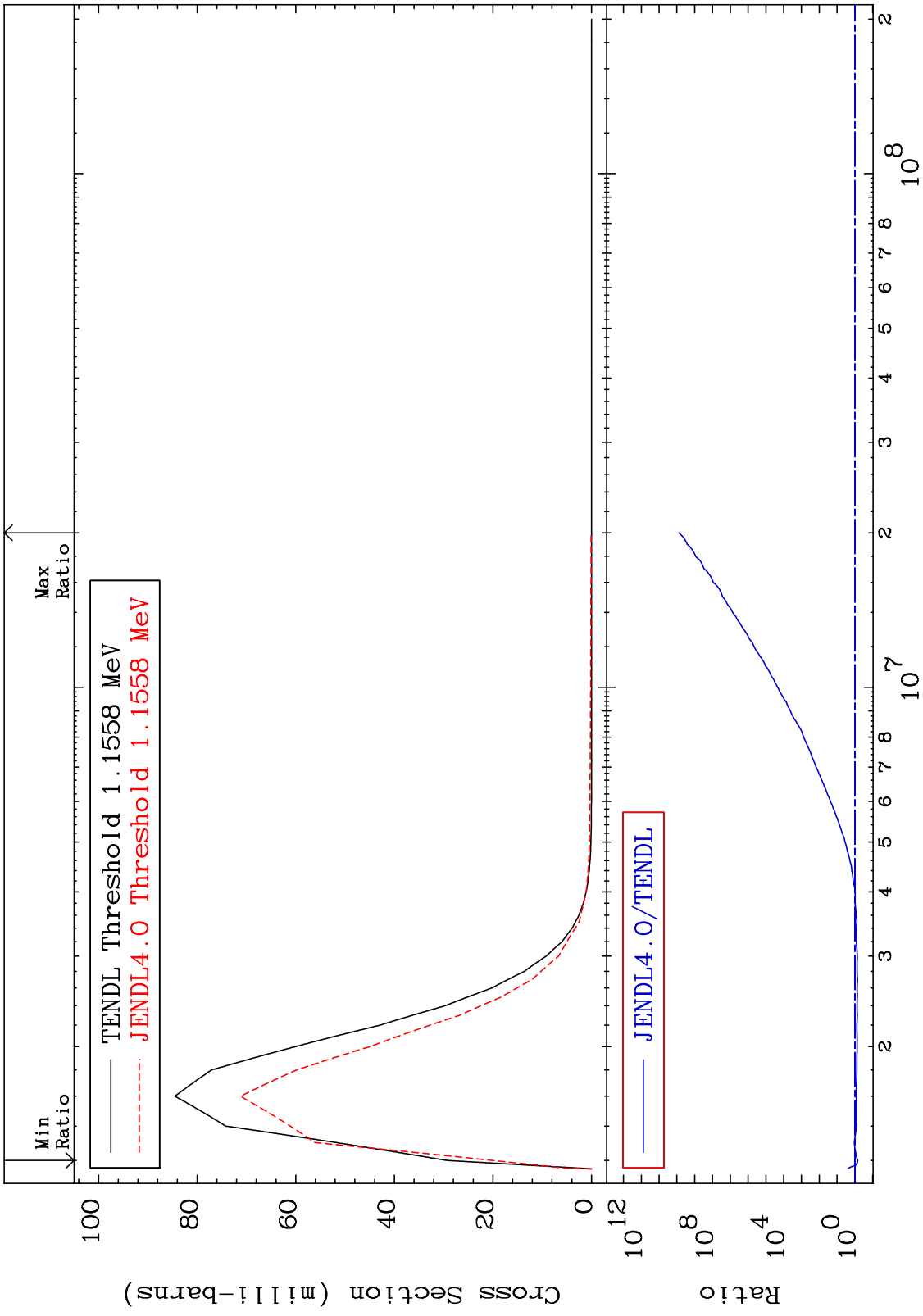
MAT 9446 MT= 67 (n,n') Level Cross Section 94-Pu-242  
 -96.23 To 27.85 %



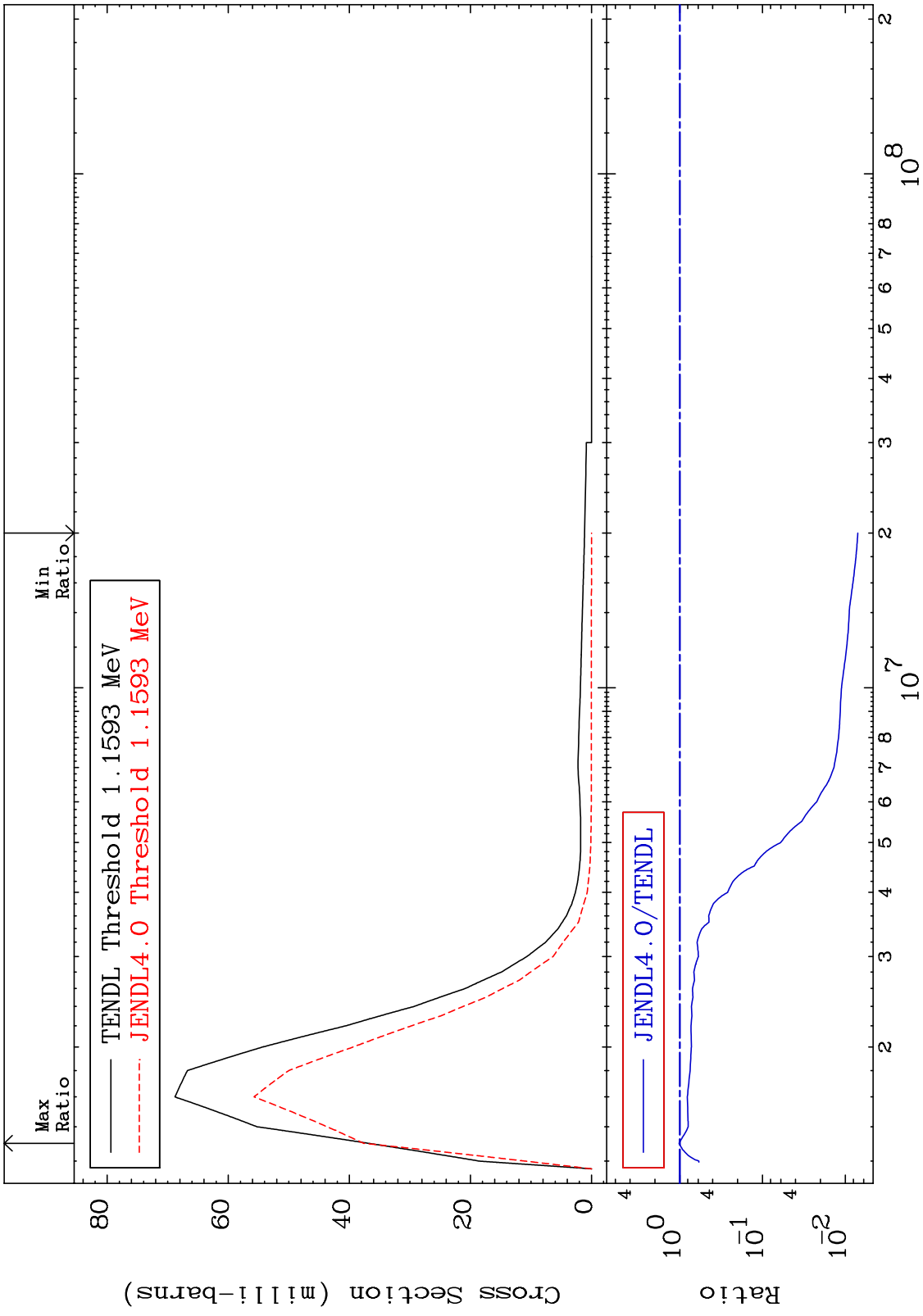
MAT 9446 MT= 68 (n,n') Level Cross Section 94-Pu-242  
 -88.56 To 0.044 %



MAT 9446 MT= 69 (n,n') Level Cross Section 94-Pu-242  
 -31.74 To 9999. %



MAT 9446      MT= 70 (n,n') Level Cross Section      94-Pu-242  
 -99.29 To 2.125 %

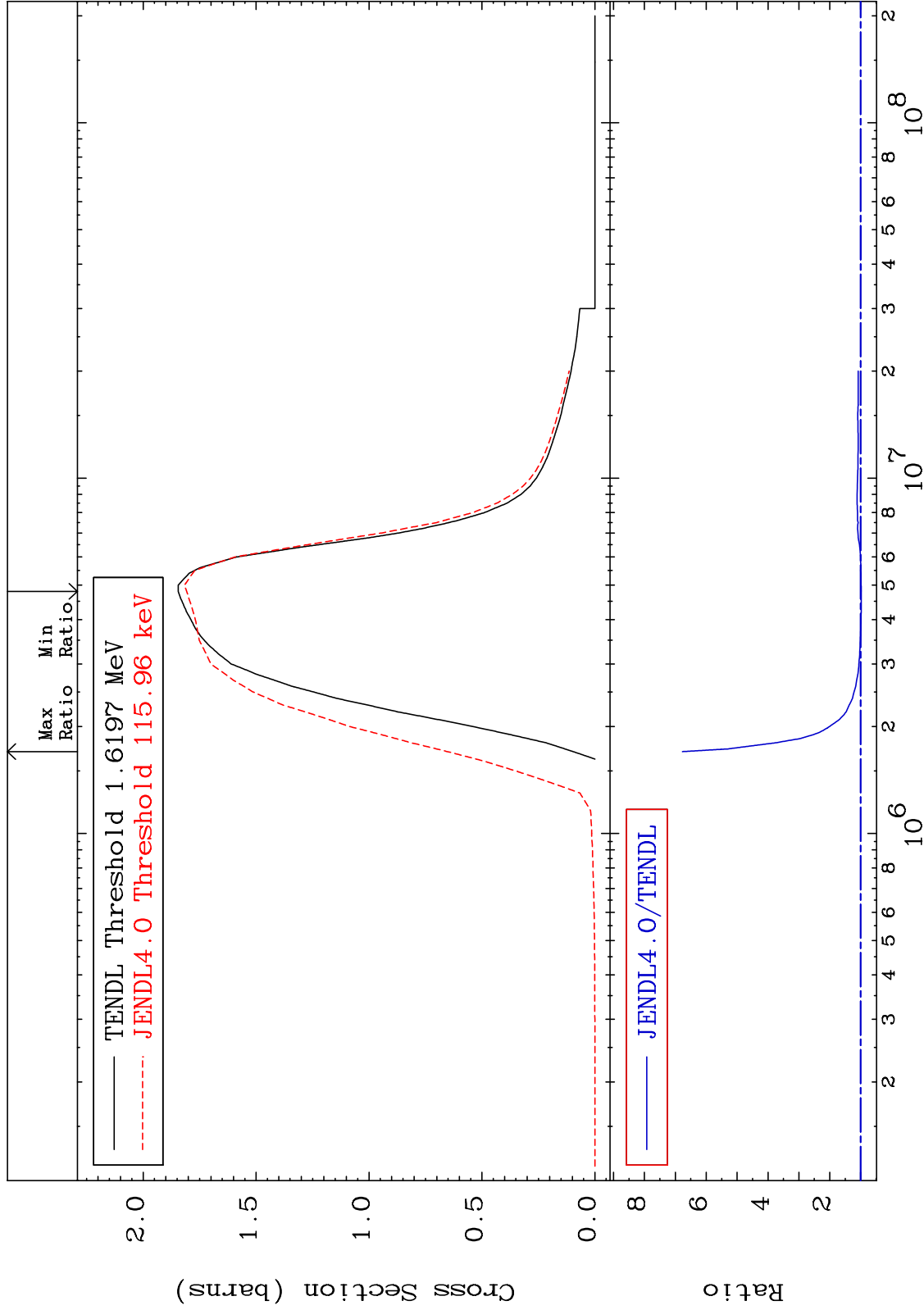




MAT 9446

(n, n') Continuum  
Cross Section

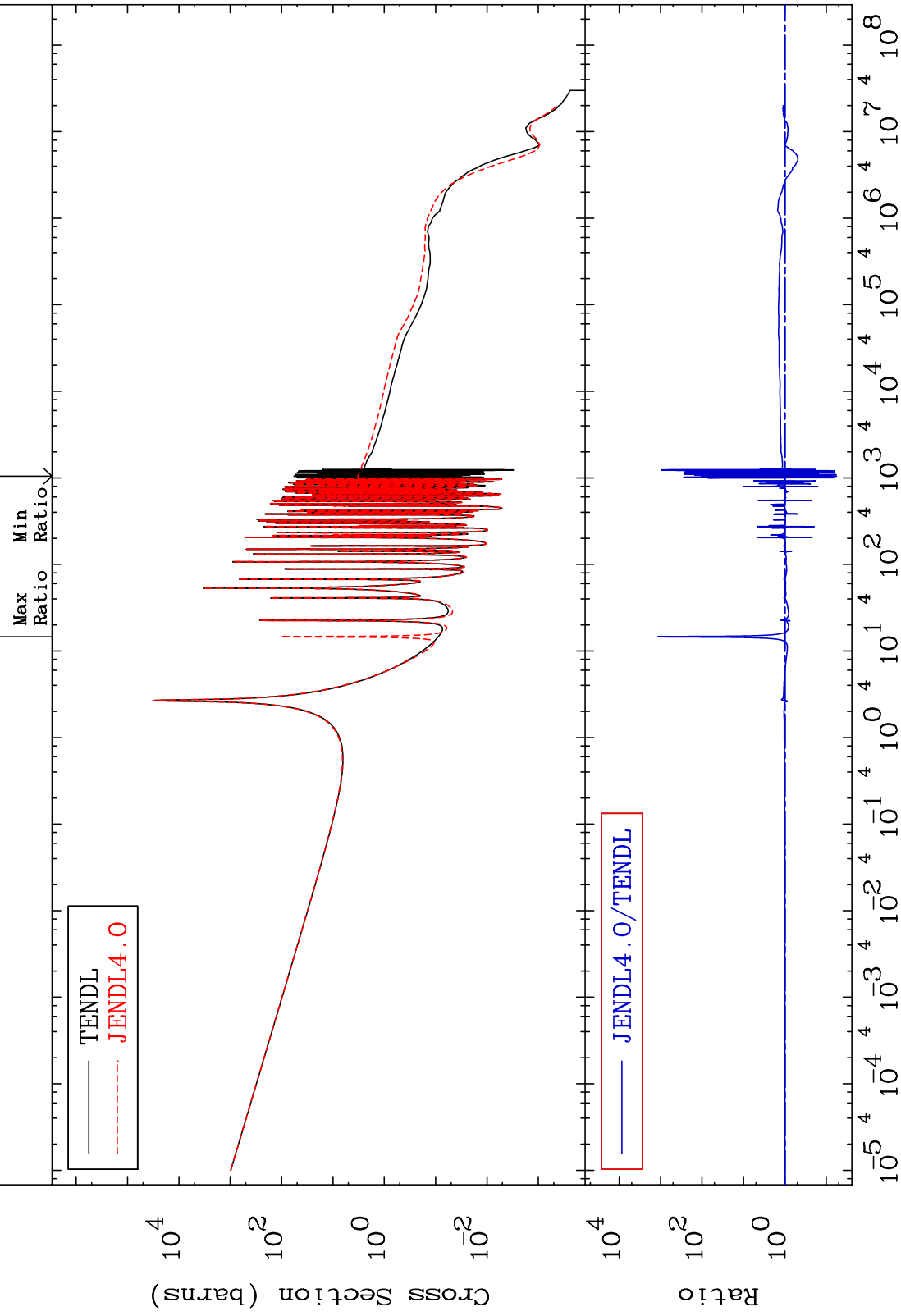
94-Pu-242  
-2.016 To 576.9 %



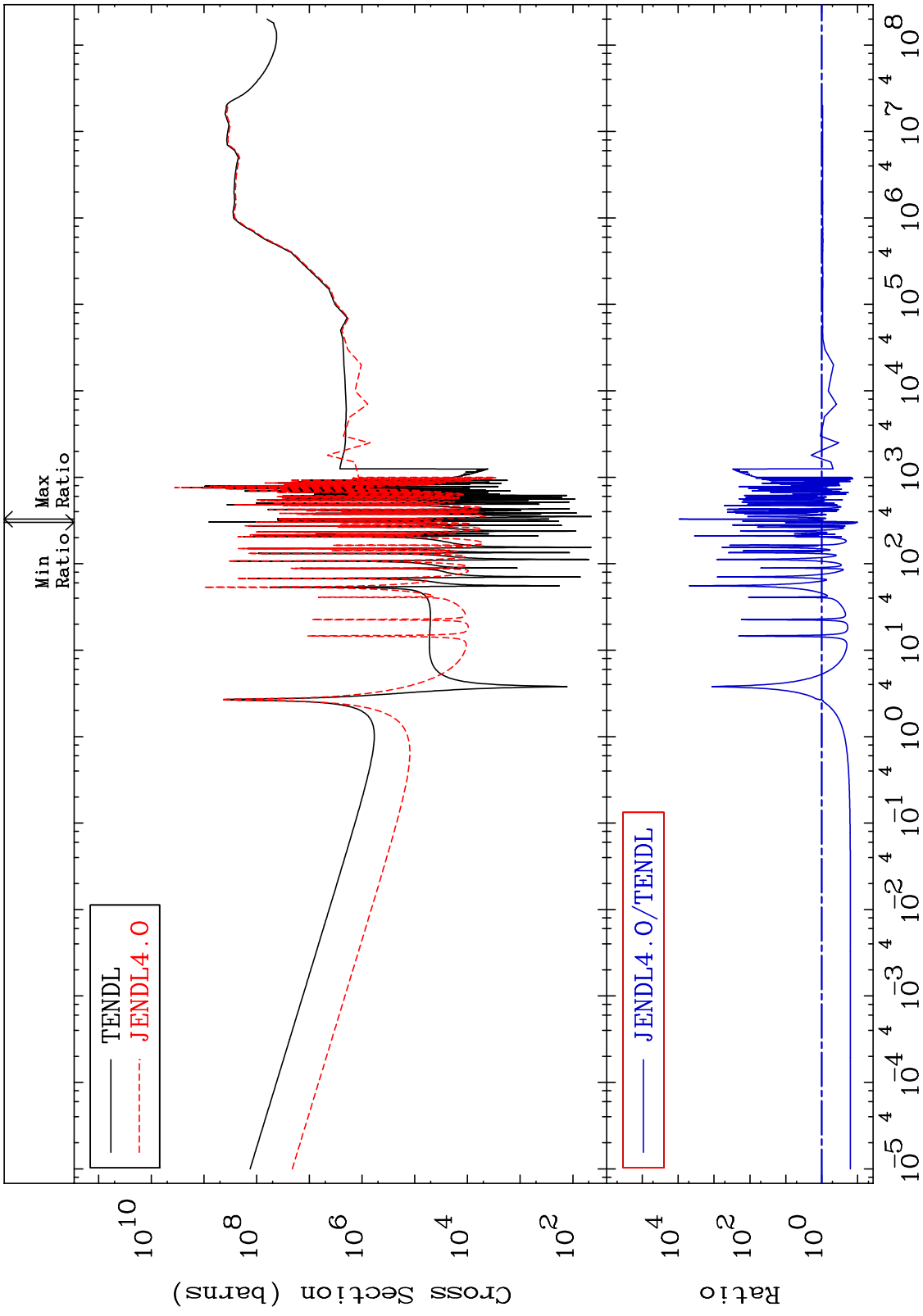
MAT 9446

(n,  $\gamma$ )  
Cross Section

94-Pu-242  
-94.36 To 9999. %



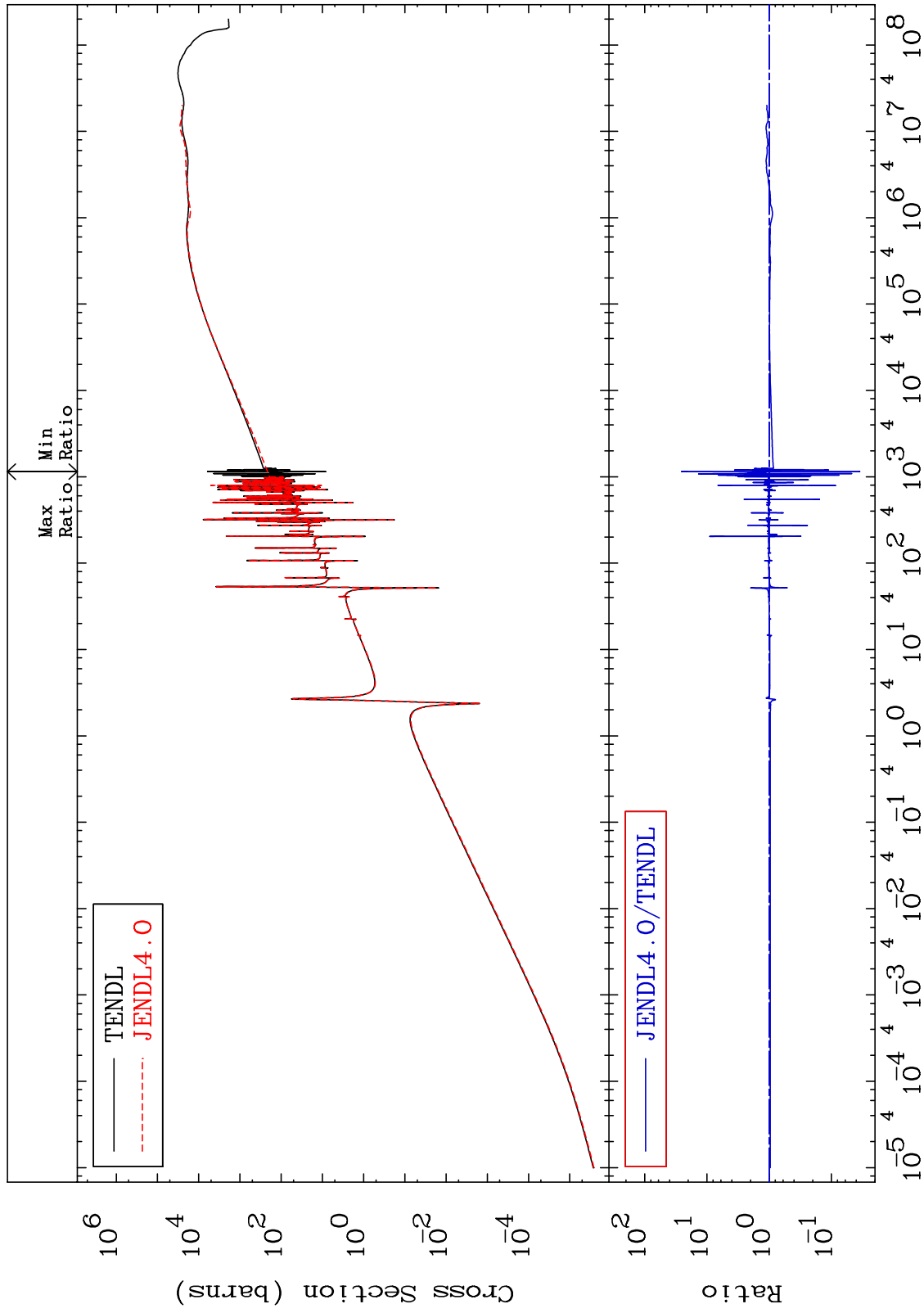
MAT 9446 Kerma total (eV-barns) 94-Pu-242  
 Cross Section -90.13 To 9999. %



MAT 9446

Kerma elastic  
Cross Section

94-Pu-242  
-96.50 To 2493. %



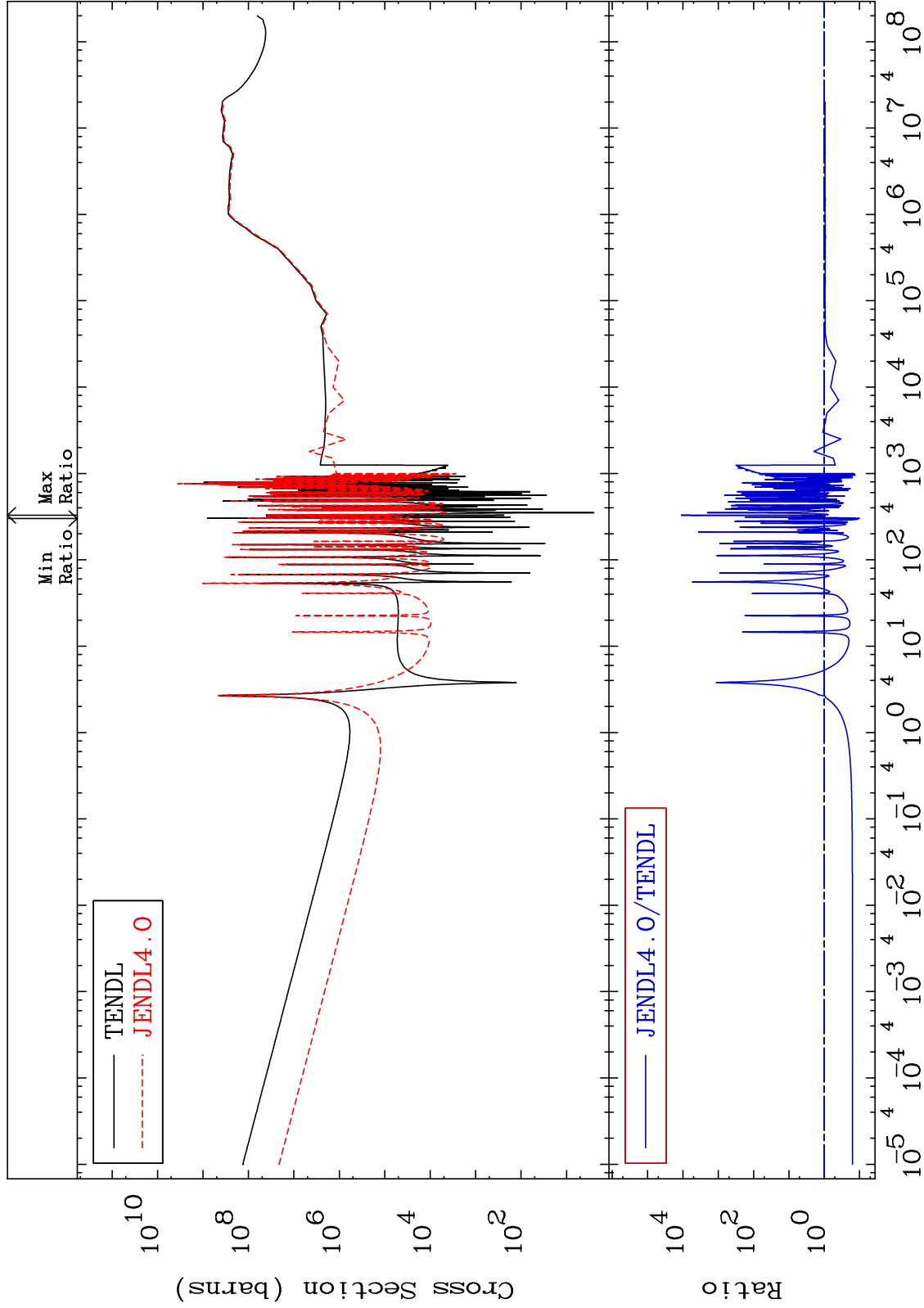
MAT 9446

Kerma non-elastic (all but mt2)

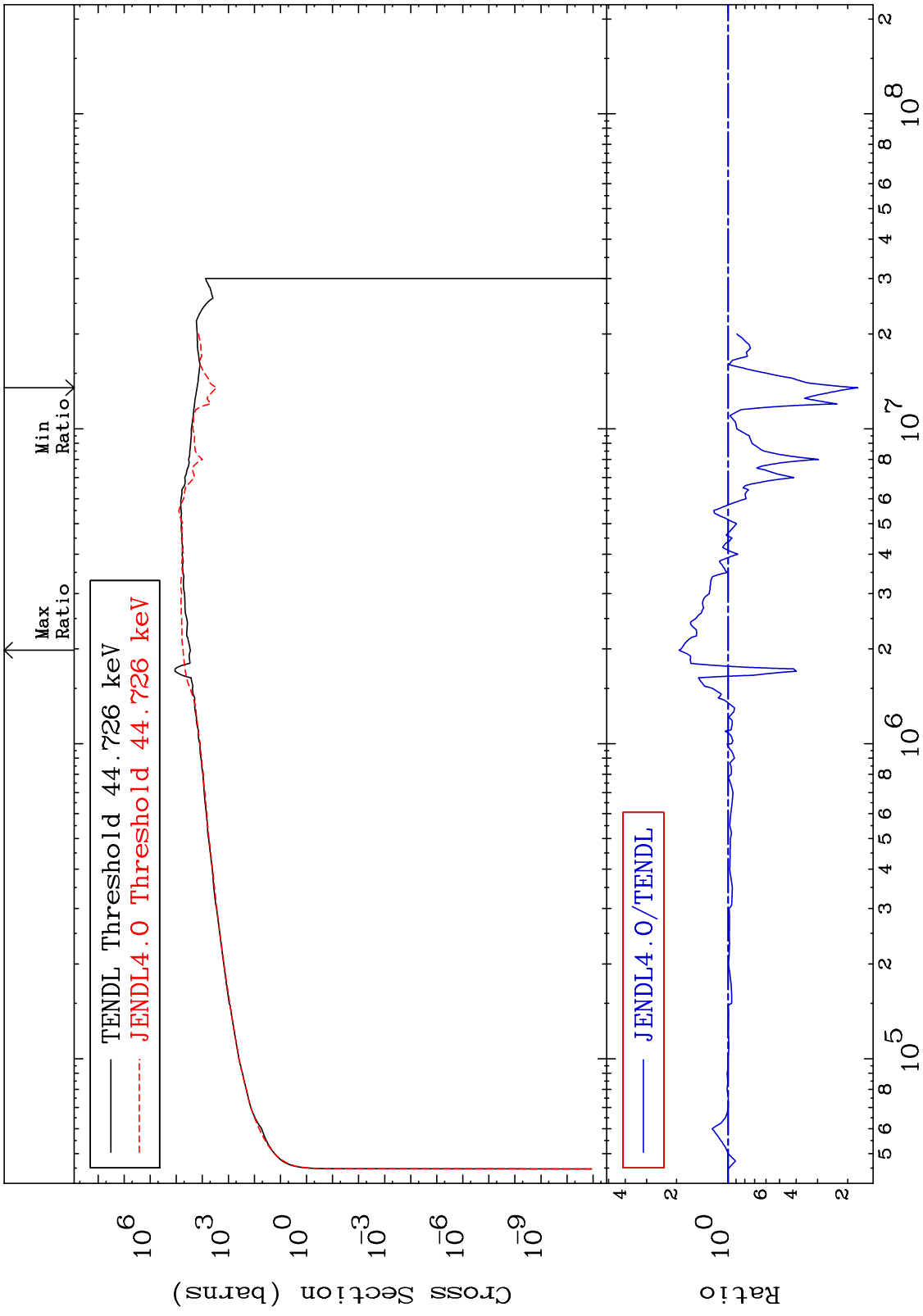
94-Pu-242

-90.13 To 9999. %

Cross Section



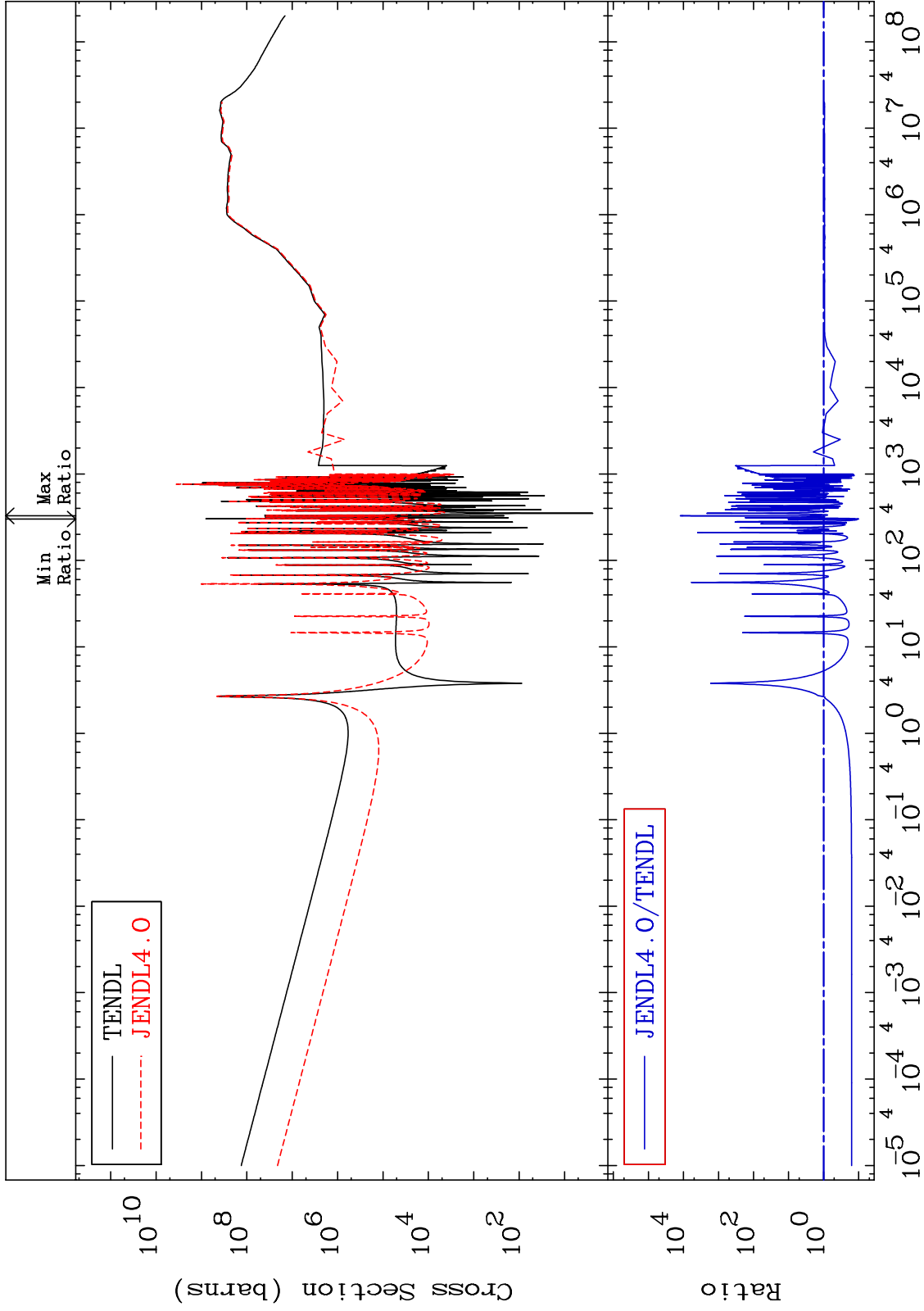
MAT 9446 Kerma inelastic (mt51-91) 94-Pu-242  
 -82.56 To 93.69 %



MAT 9446

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

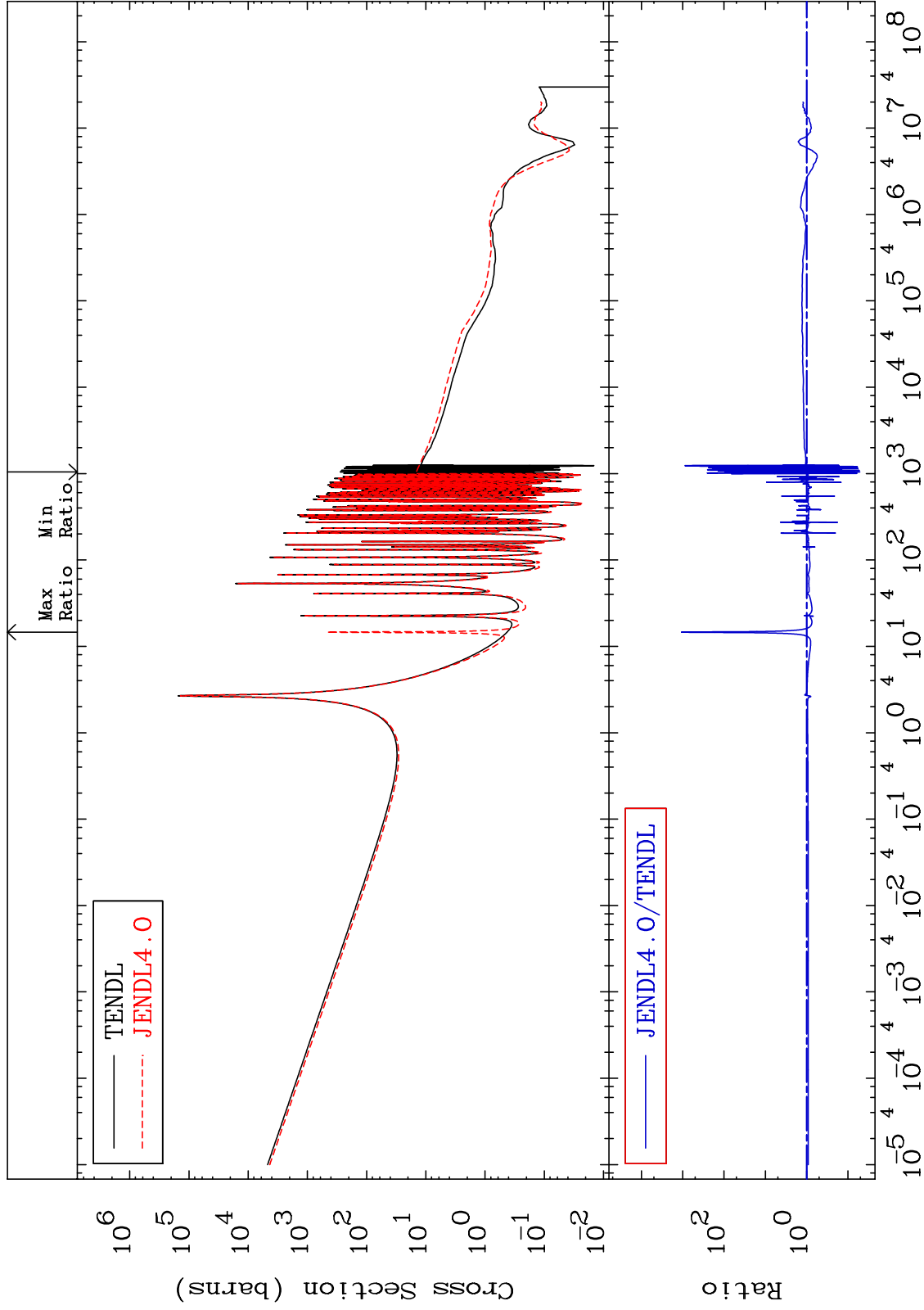
94-Pu-242  
-90.13 To 9999. %



MAT 9446

Kerma capture (mt102)  
Cross Section

94-Pu-242  
-94.81 To 9999. %

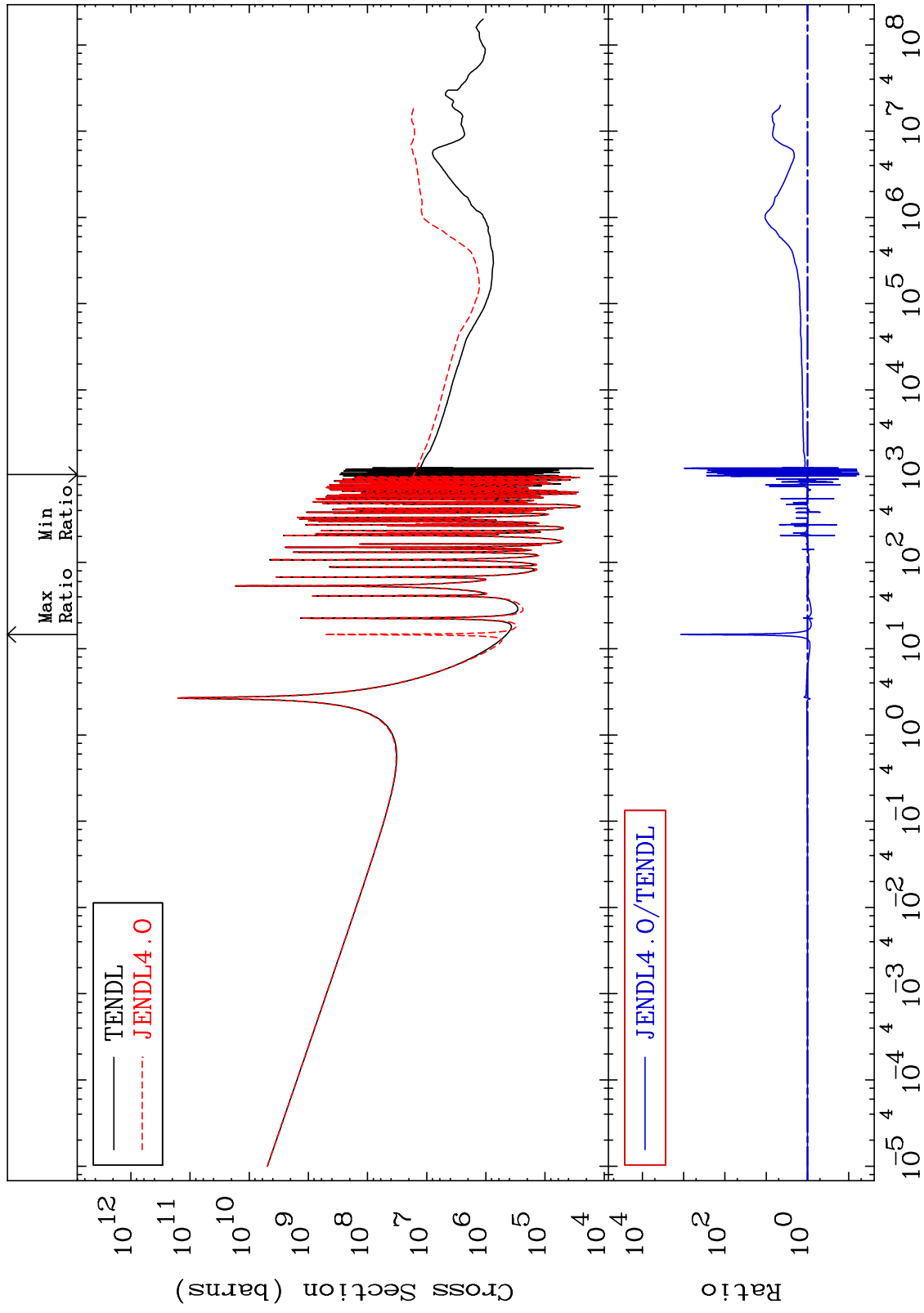




MAT 9446

Total photon (eV-barns)  
Cross Section

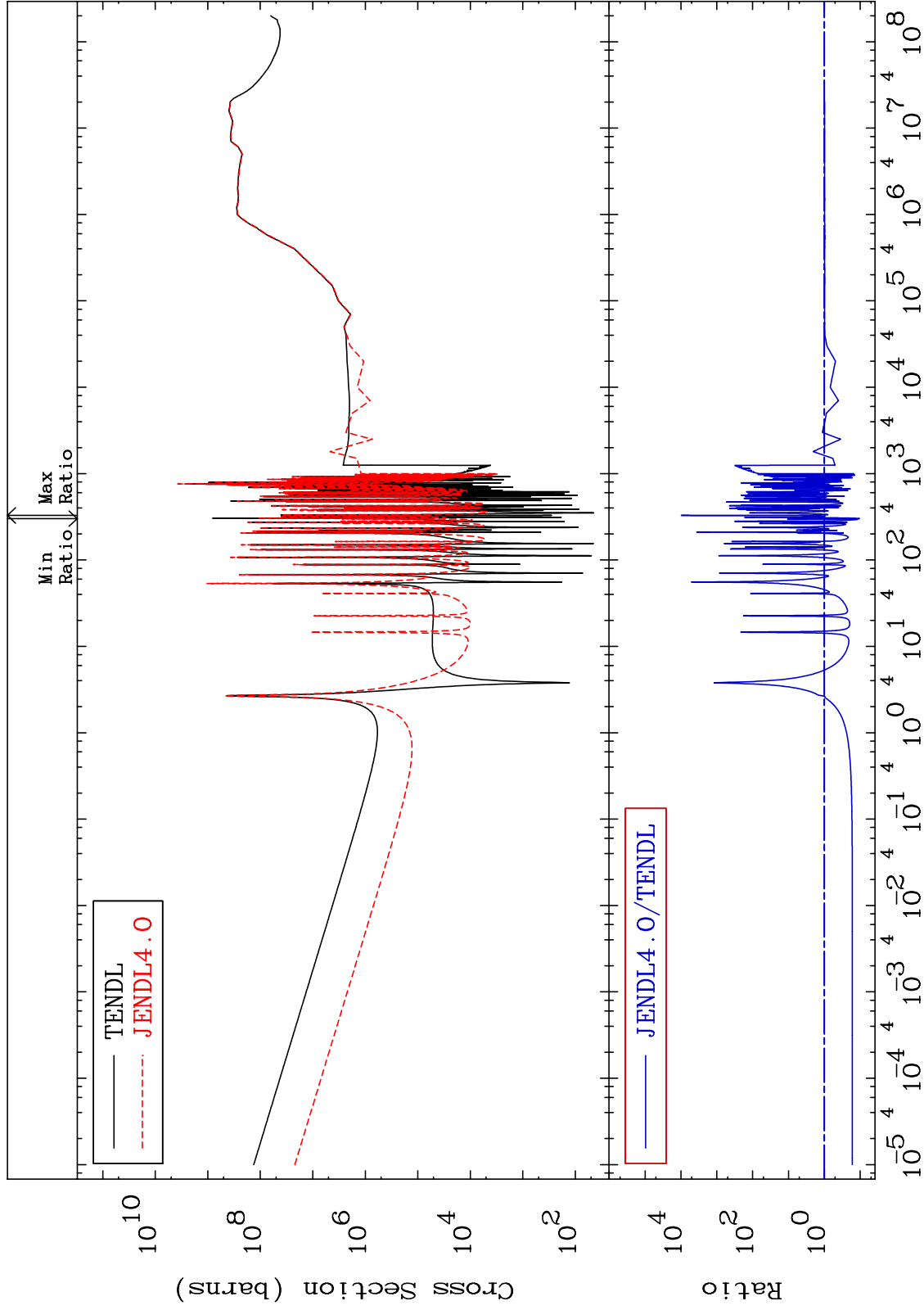
94-Pu-242  
-94.36 To 9999. %



MAT 9446

Total kinematic kerma (high limit)  
Cross Section

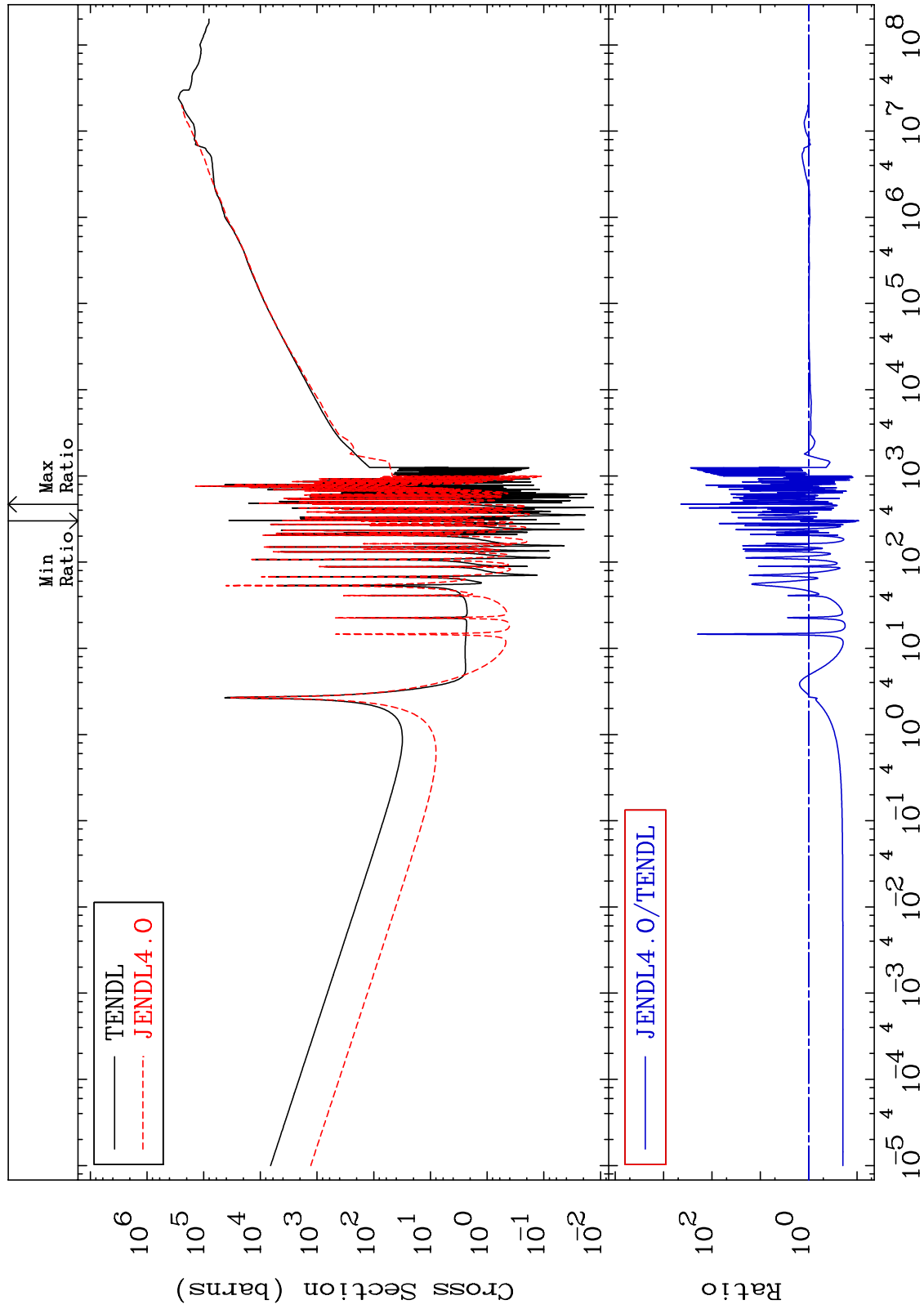
94-Pu-242  
-89.73 To 9999. %



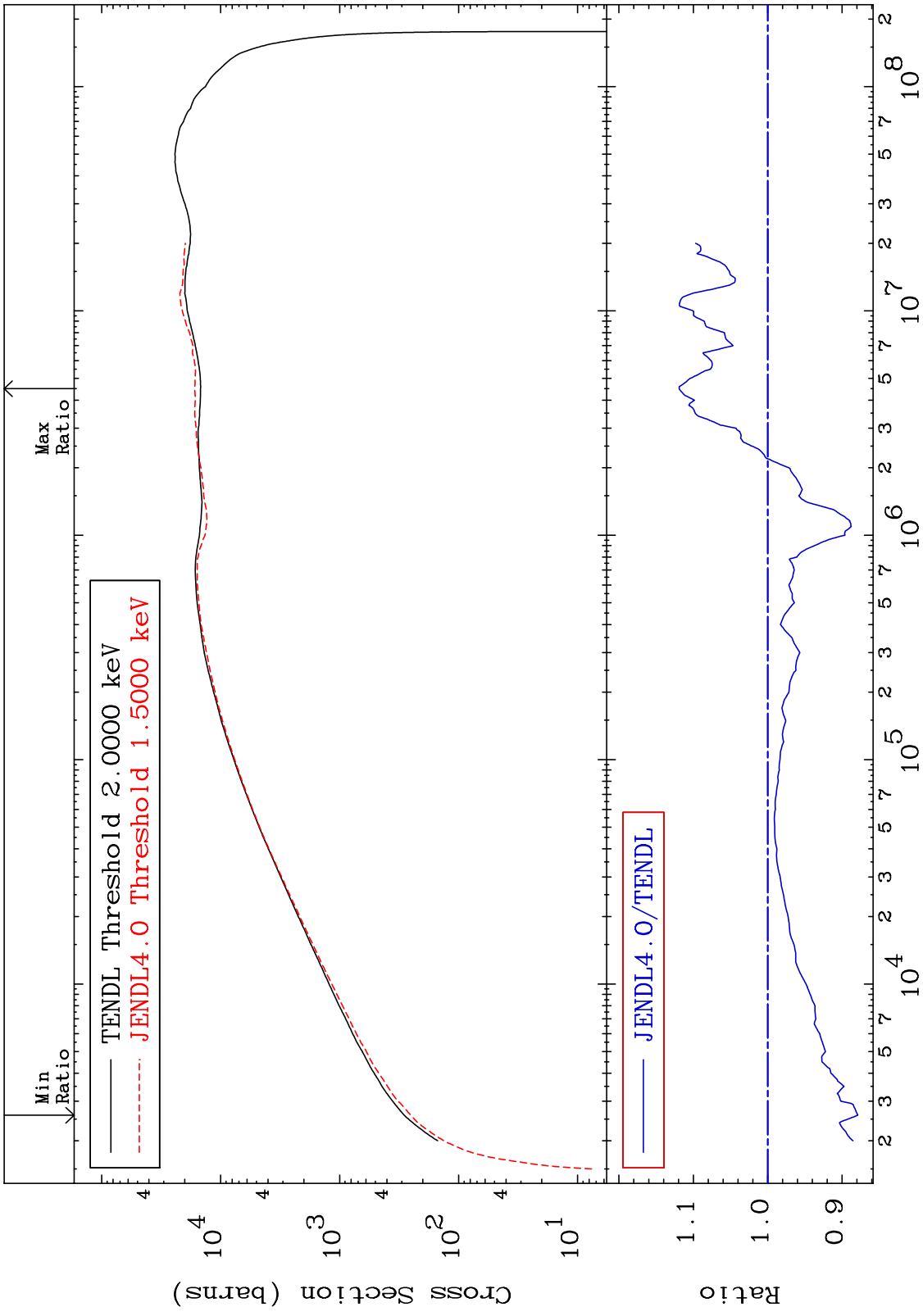
MAT 9446

Dpa total (eV-barns)  
Cross Section

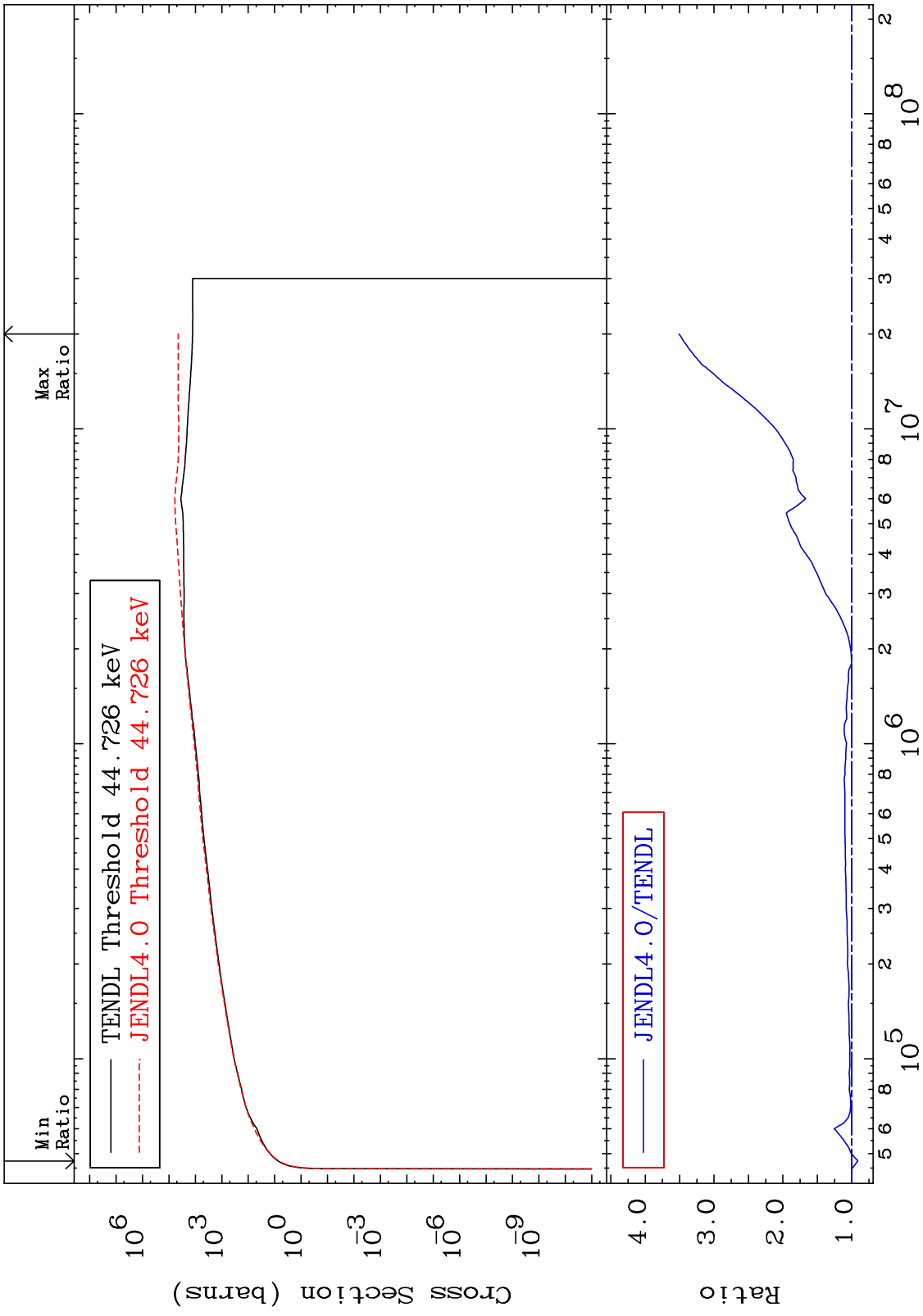
94-Pu-242  
-90.95 To 9999. %



MAT 9446 94-Pu-242  
 Dpa elastic (mt2) -12.11 To 11.92 %  
 Cross Section



MAT 9446      Dpa inelastic (mt51-91)      94-Pu-242  
 Cross Section      -8.886 To 250.9 %



MAT 9446      Dpa disappearance (mt102 -120)      94-Pu-242  
 Cross Section      -99.99 To 9999. %

