

Program Complot
(Version 2018-1)

by

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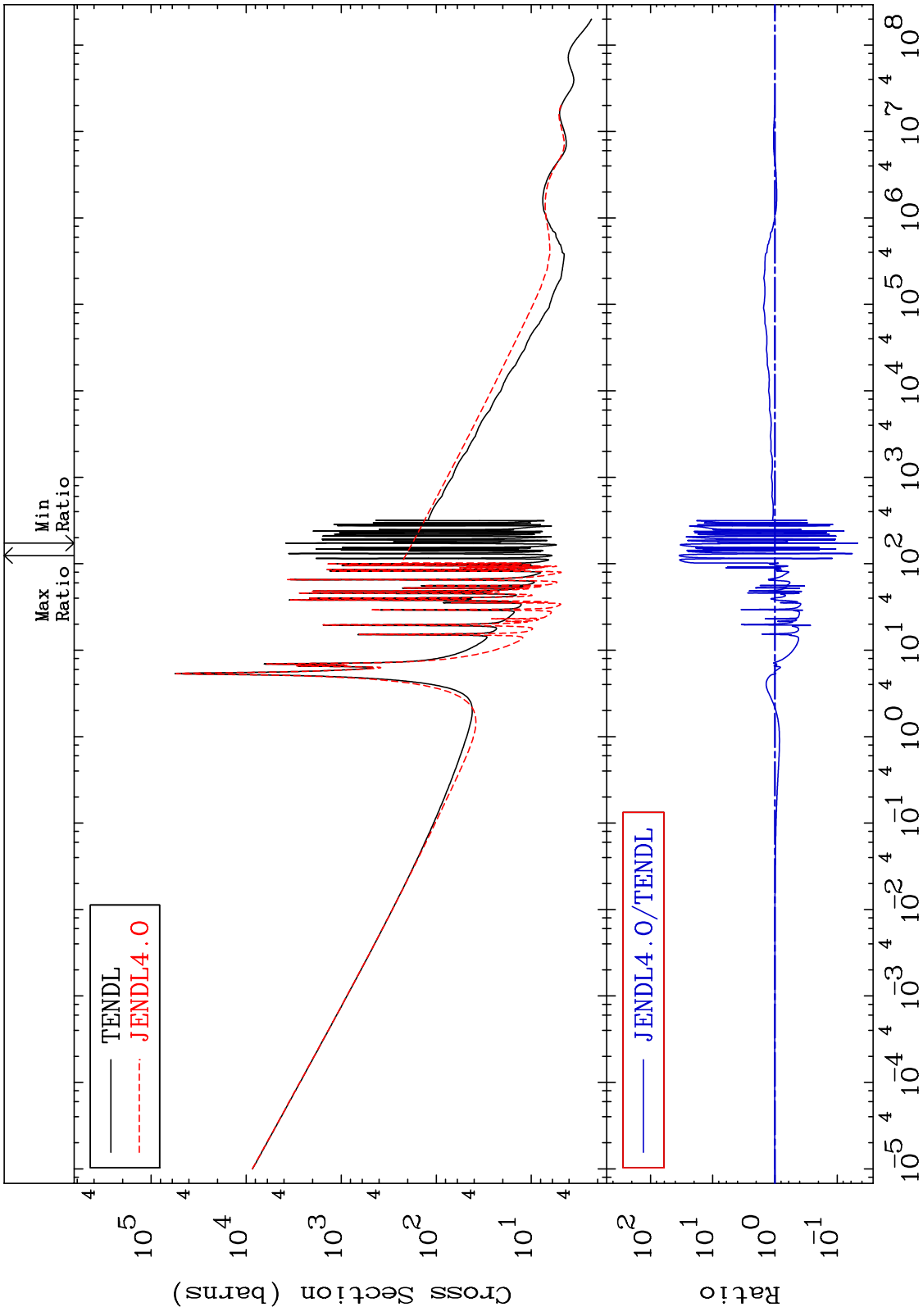
U.S.A.

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Press Mouse Button to Start

MAT 6149 61-Pm-147
Total -95.35 To 3375. %
Cross Section



1 61-Pm-147

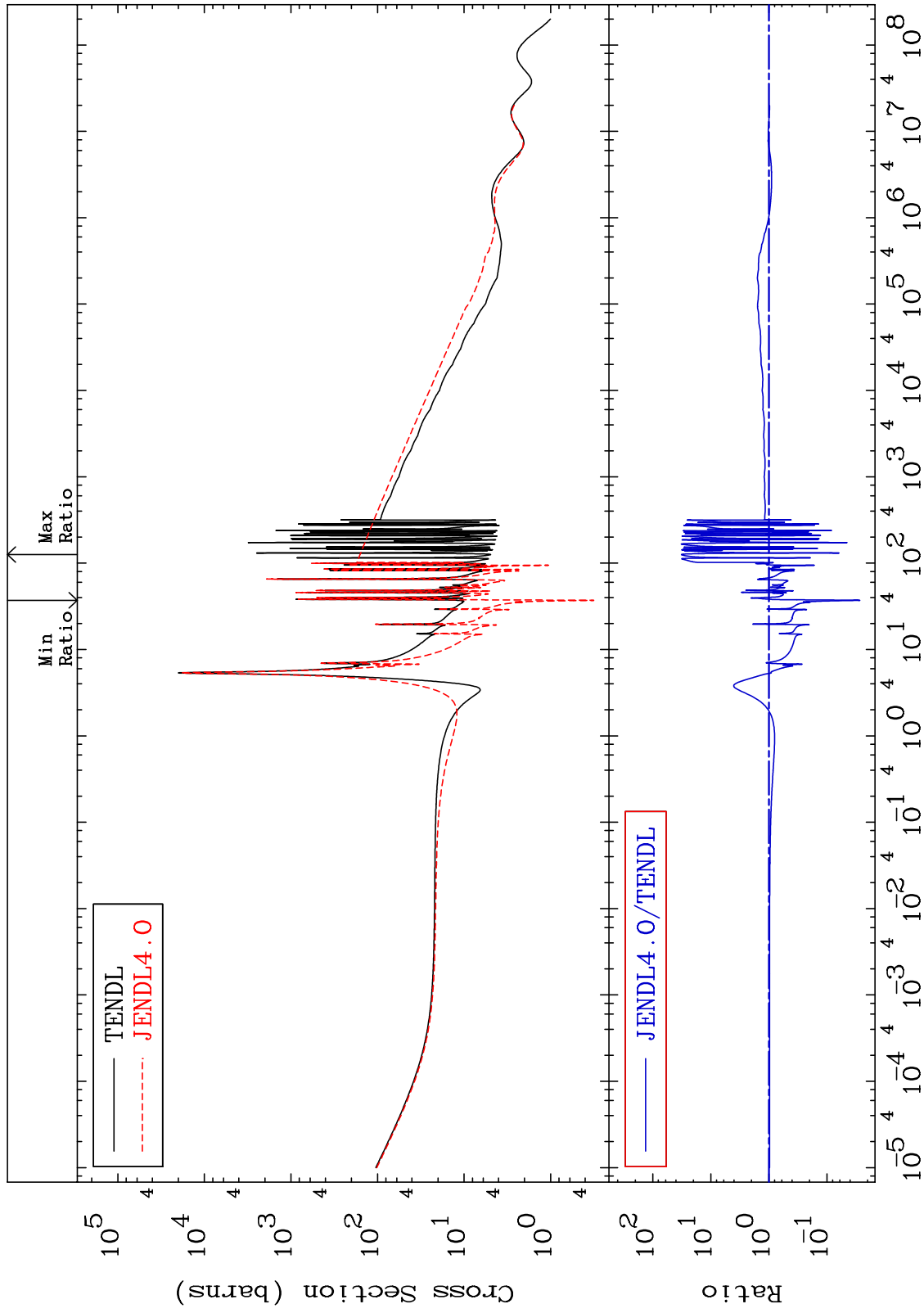
MAT 6149

Elastic

61-Pm-147

Cross Section

-97.27 To 3128. %



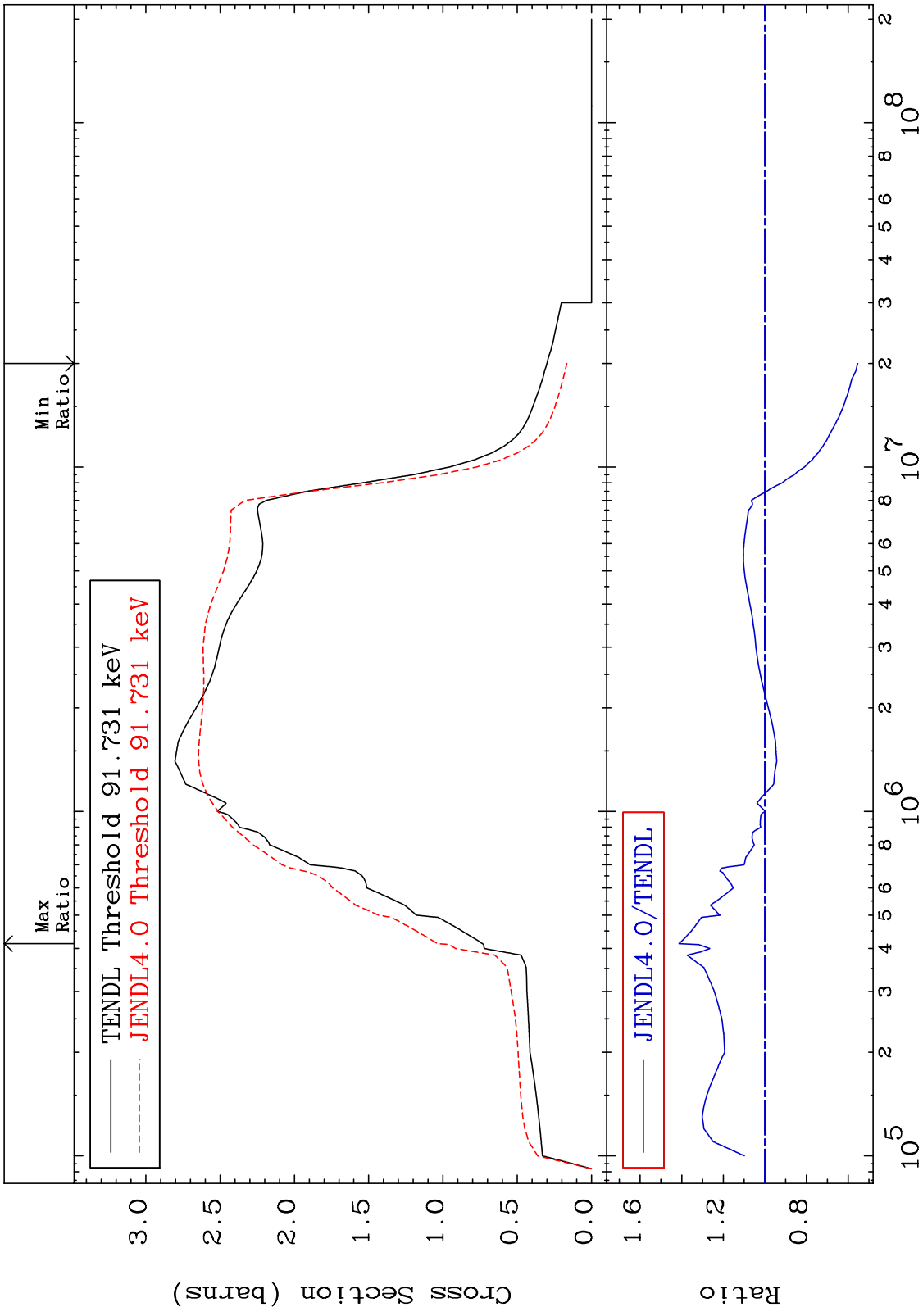
2

Incident Energy (eV)

61-Pm-147

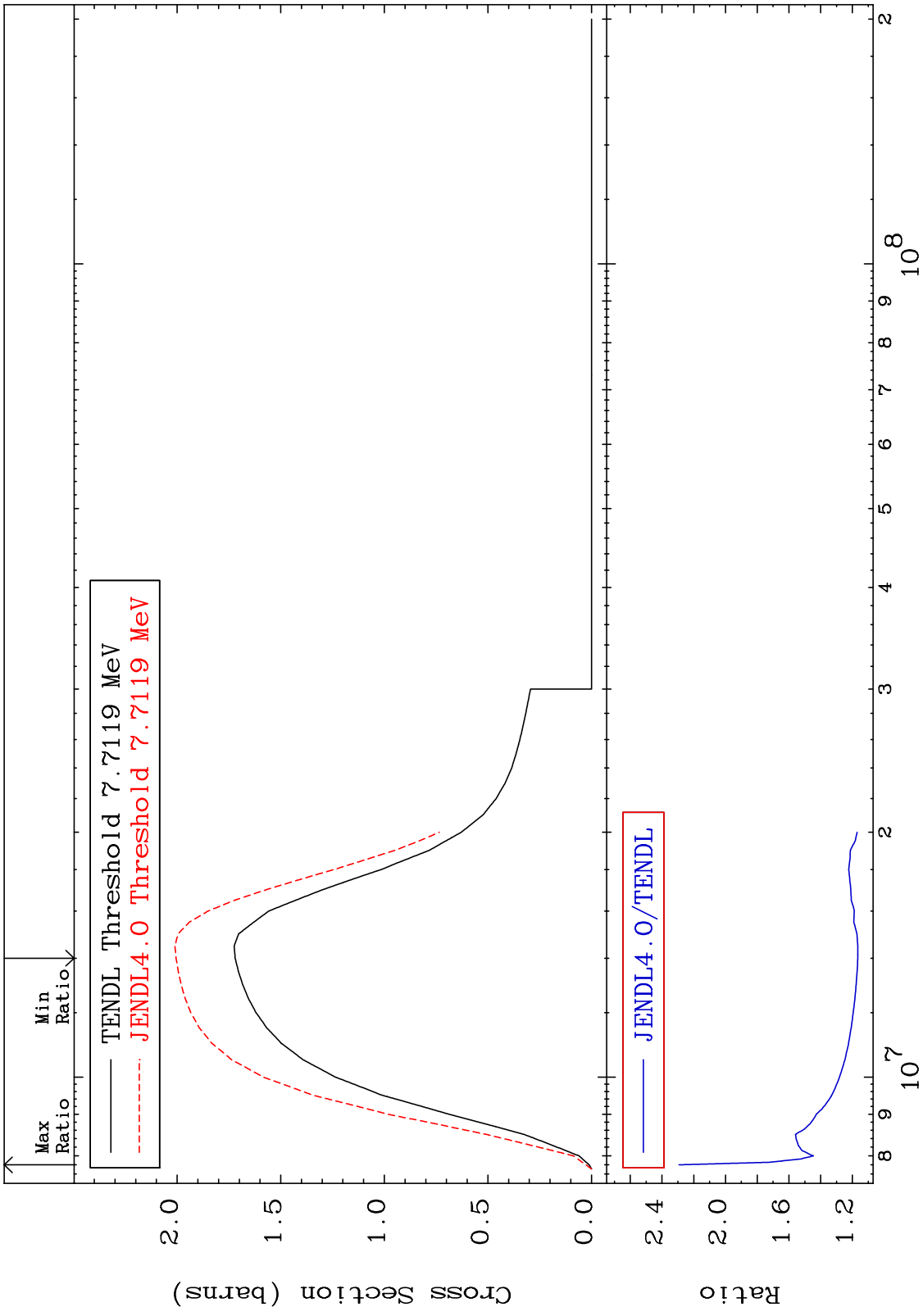
MAT 6149 61-Pm-147
-44.67 To 41.29 %

Inelastic
 Cross Section

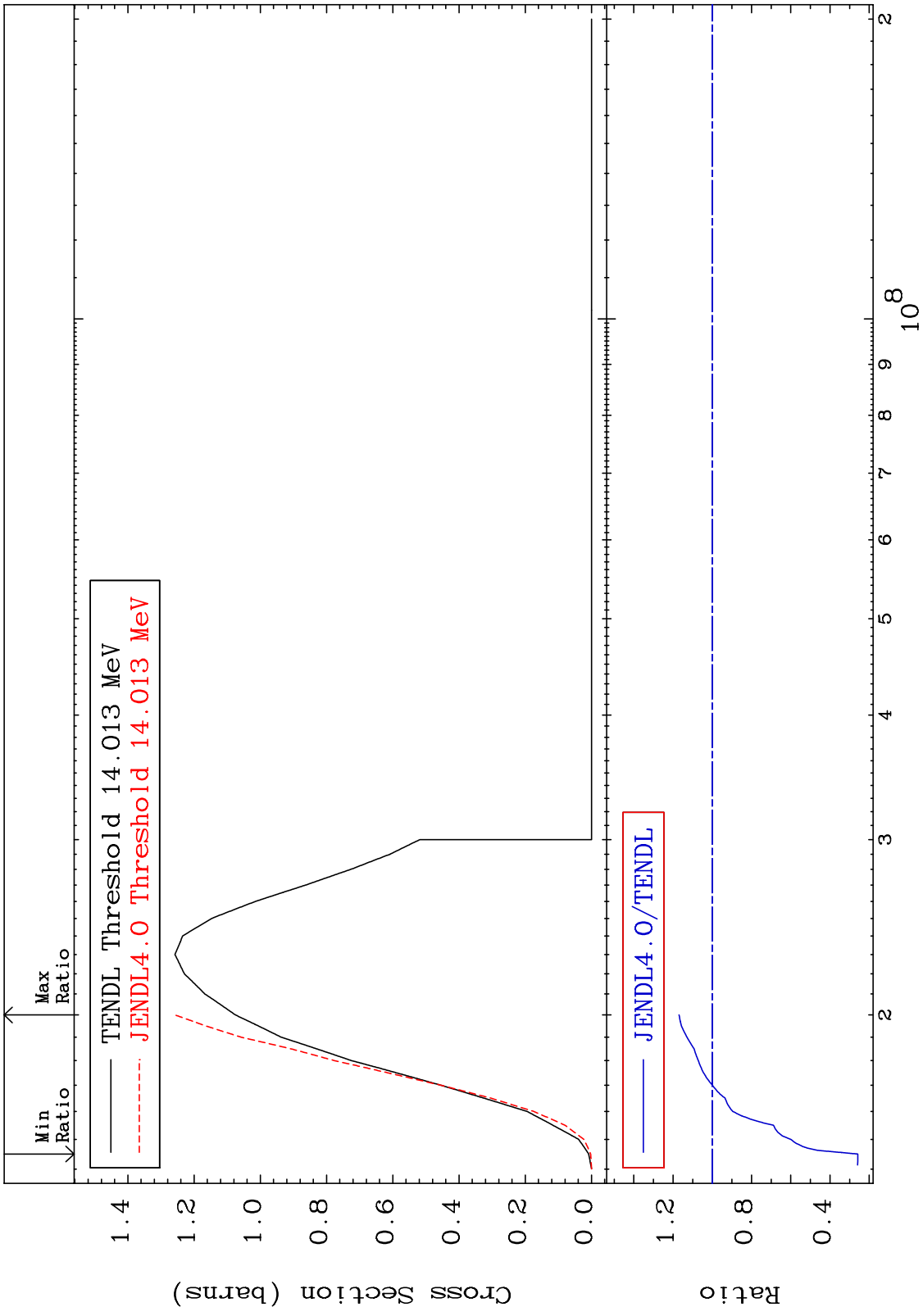


3 61-Pm-147

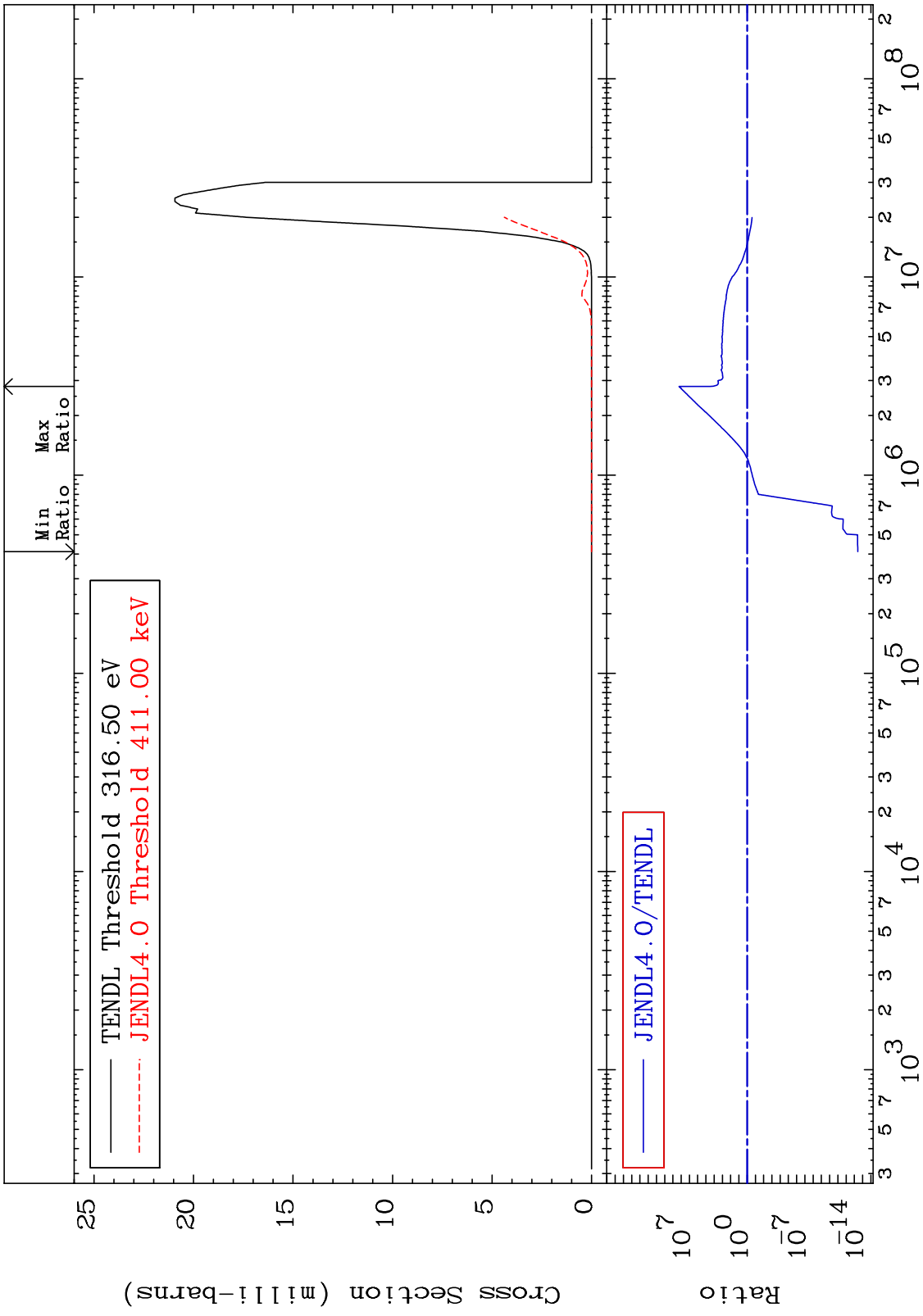
MAT 6149 (n,2n) Cross Section 61-Pm-147 To 129.3 % 16.56



MAT 6149 61-Pm-147
-74.19 To 16.95 %
 (n,3n)
 Cross Section



MAT 6149 $(n, n') \alpha$ 61-Pm-147
 Cross Section -100.0 To 9999. %



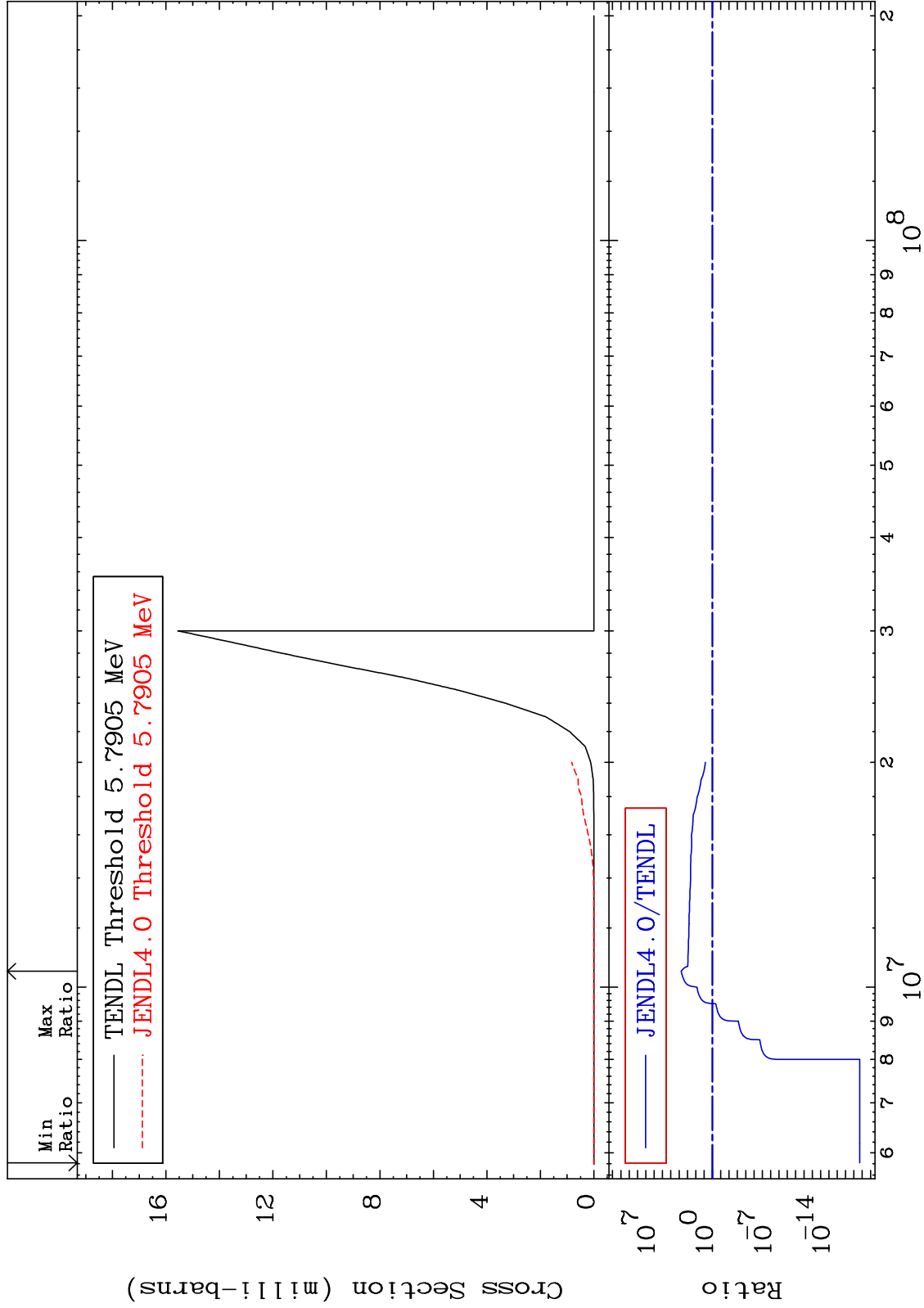
MAT 6149

(n,2n) α

61-Pm-147

-100.0 To 9999. %

Cross Section

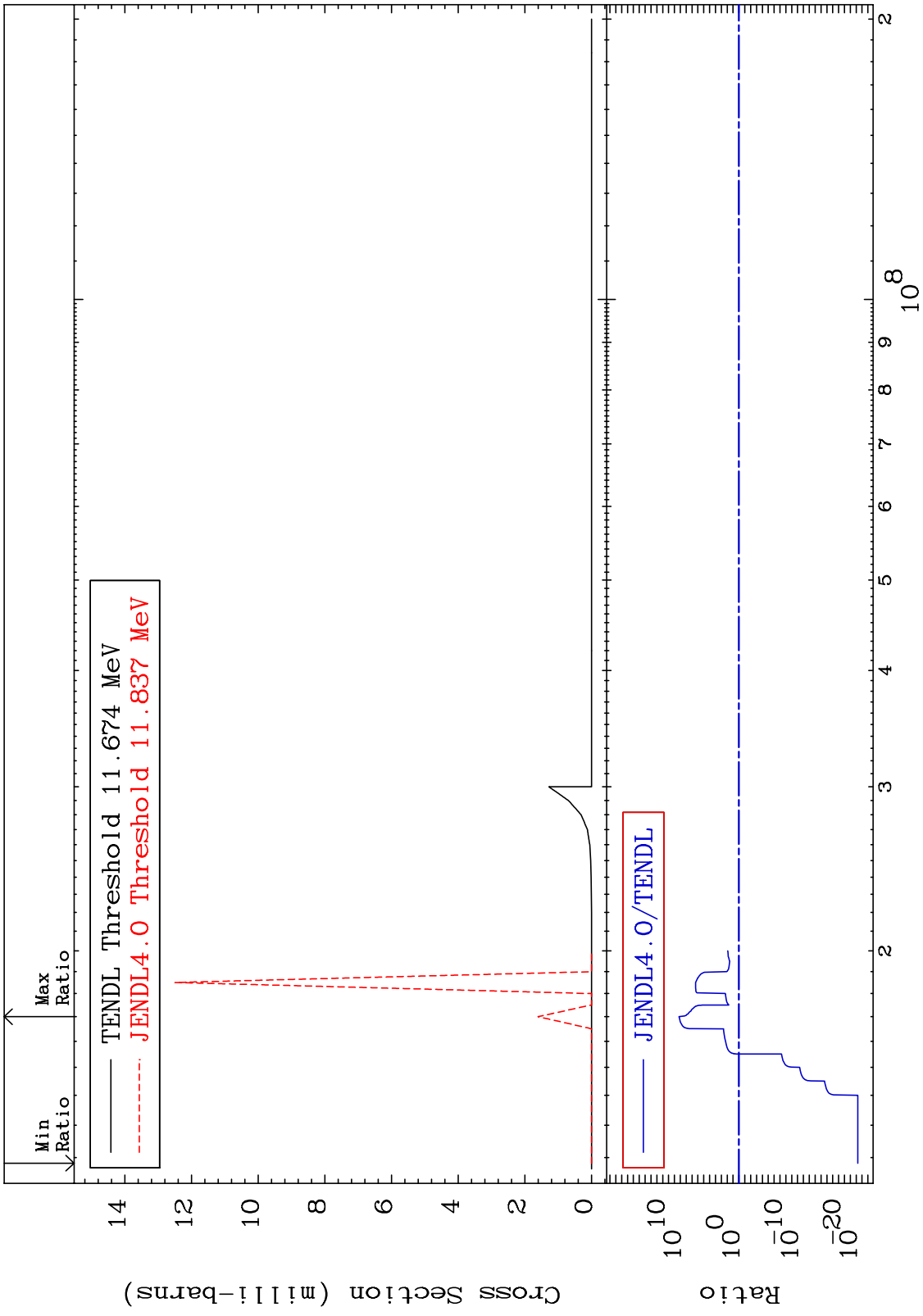


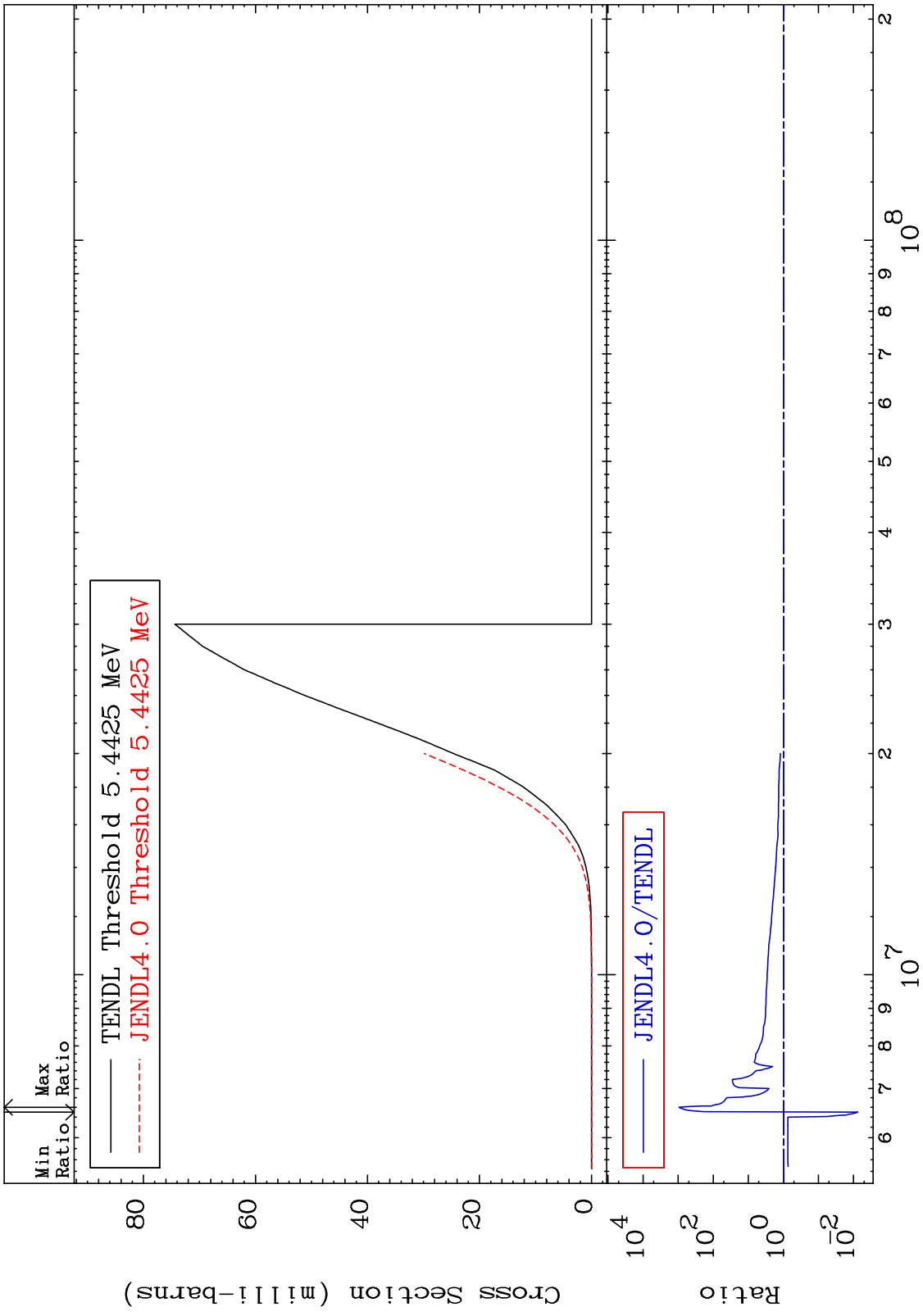
7

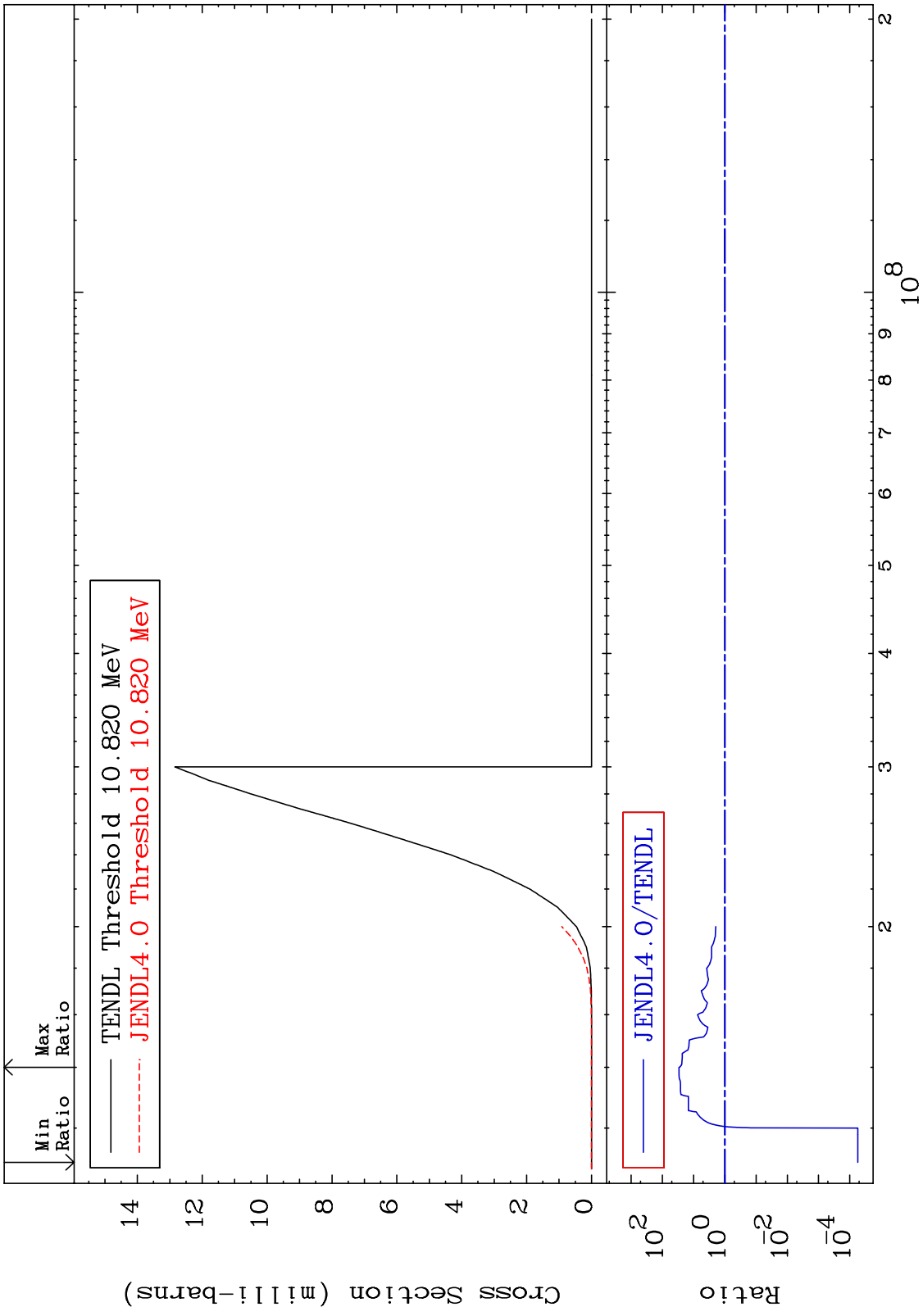
Incident Energy (eV)

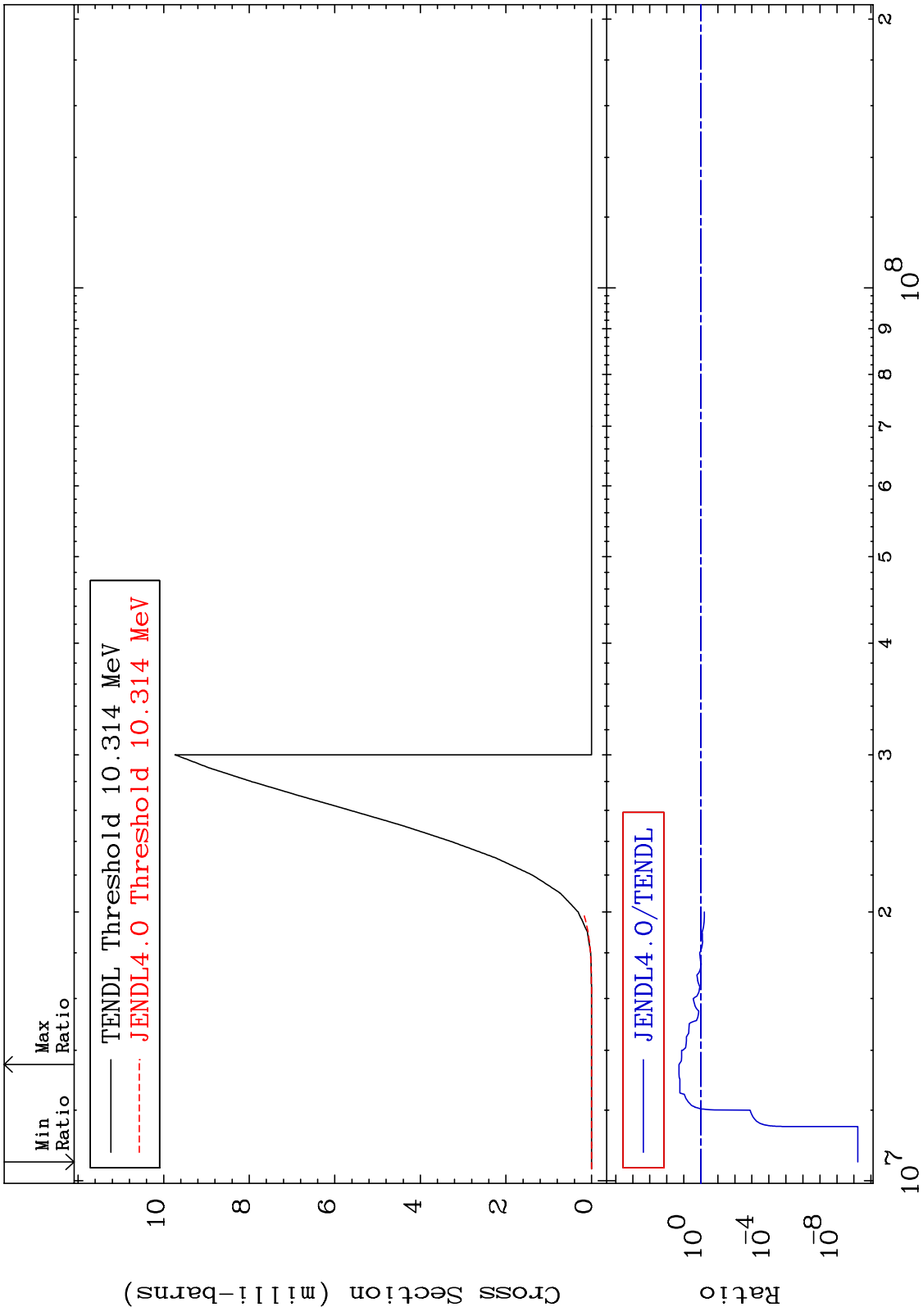
61-Pm-147

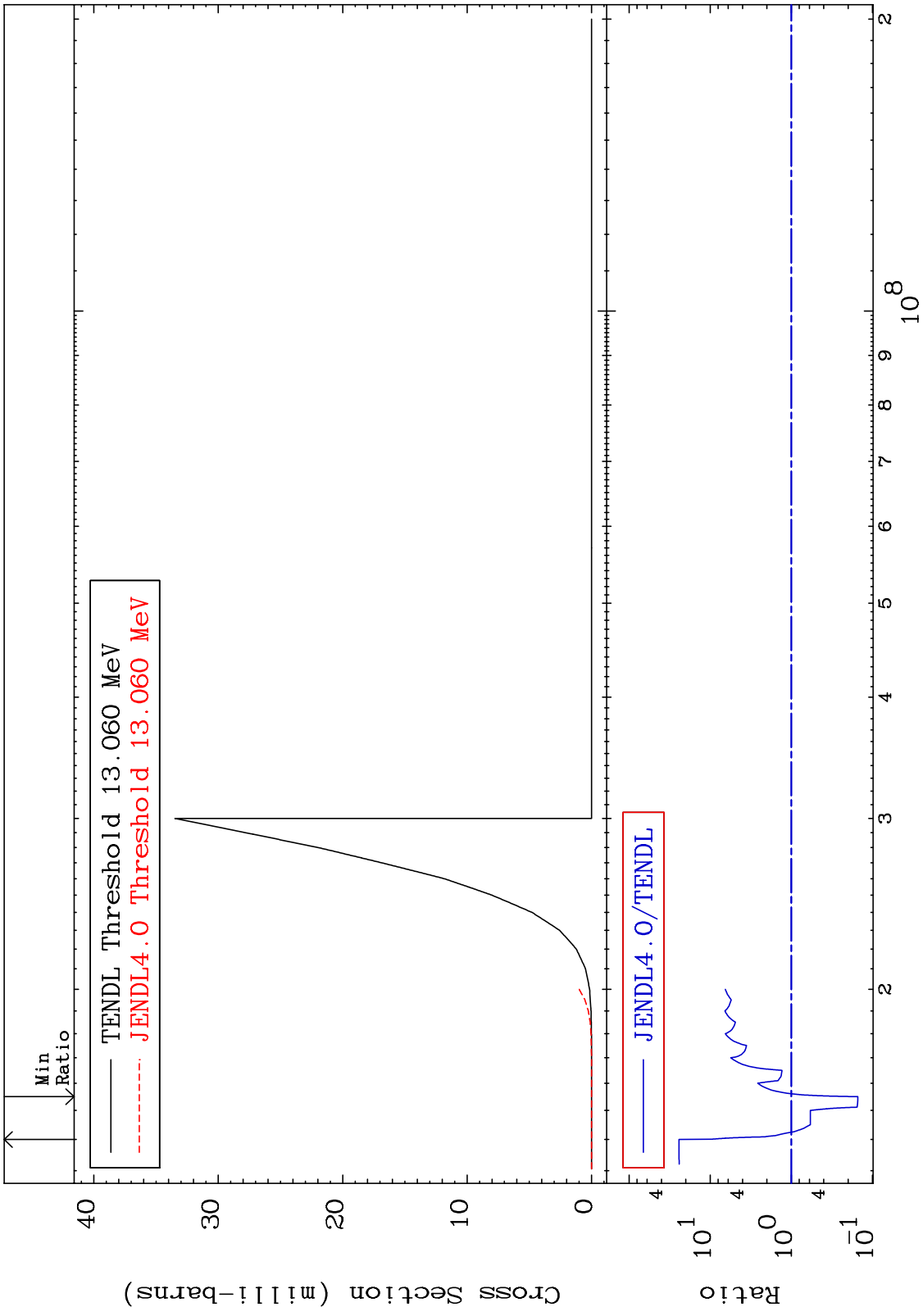
MAT 6149 (n,3n) α 61-Pm-147
 Cross Section -100.0 To 9999. %



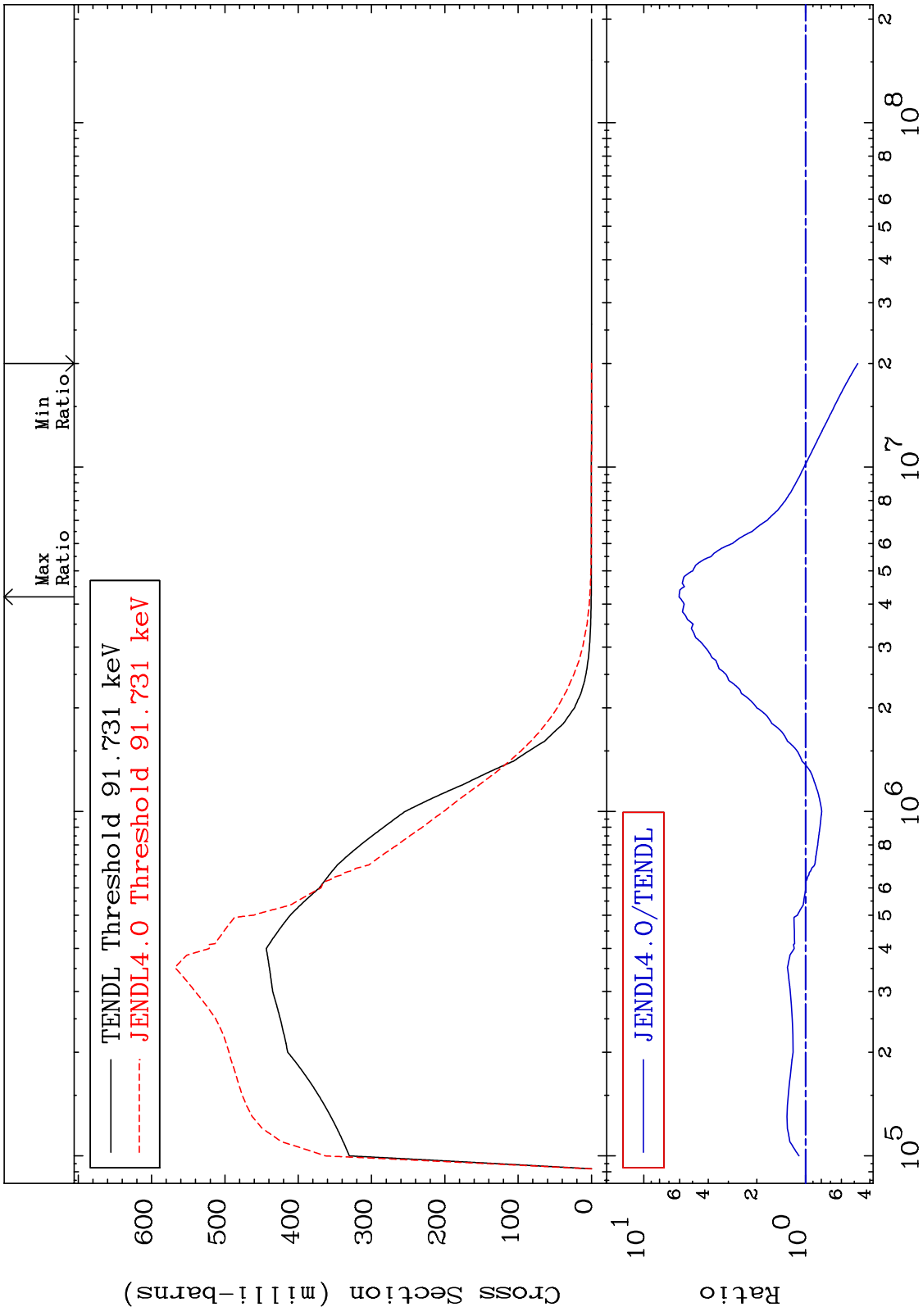






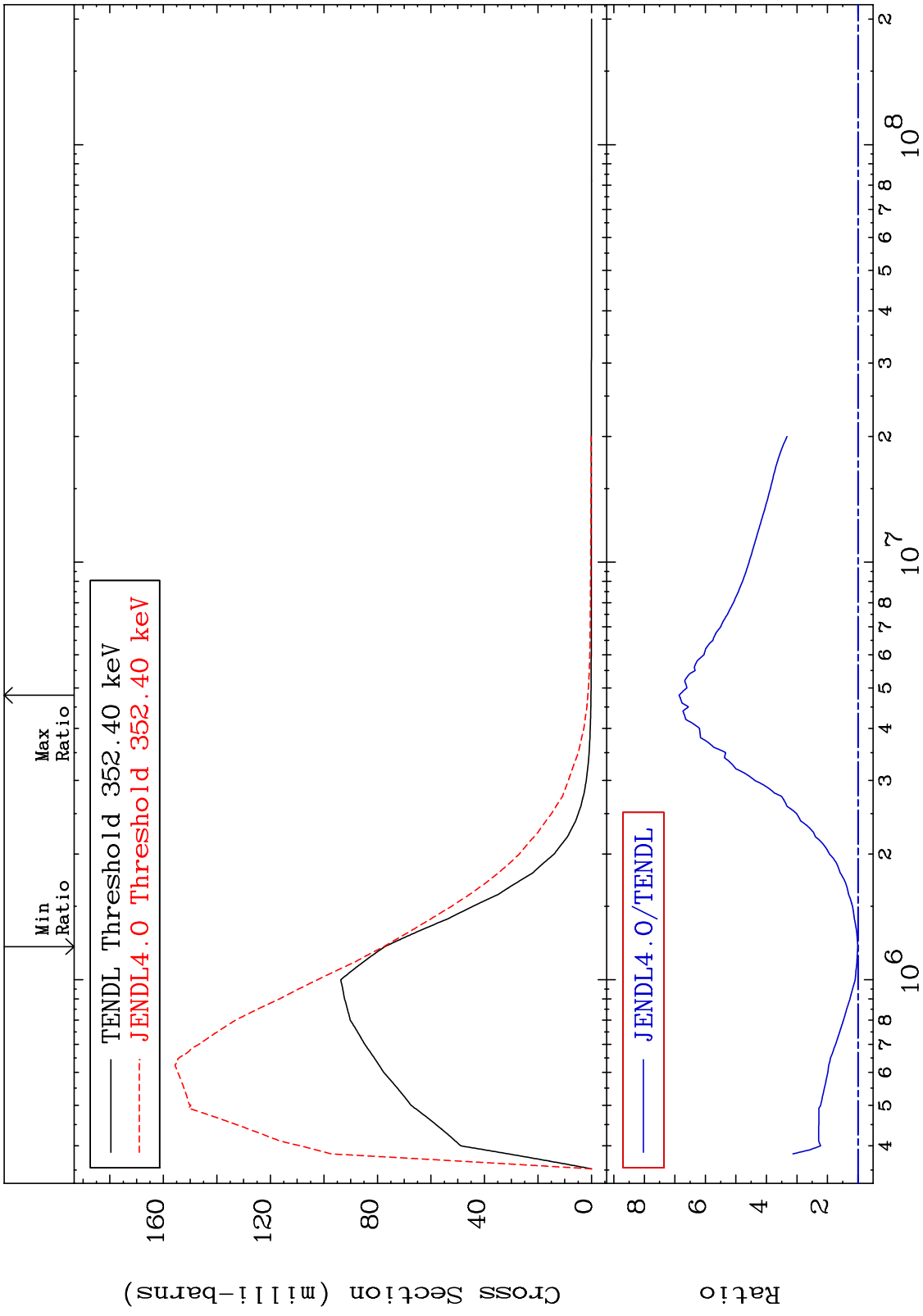


MAT 6149 MT= 51 (n,n') Level Cross Section 61-Pm-147 -52.53 To 506.0 %



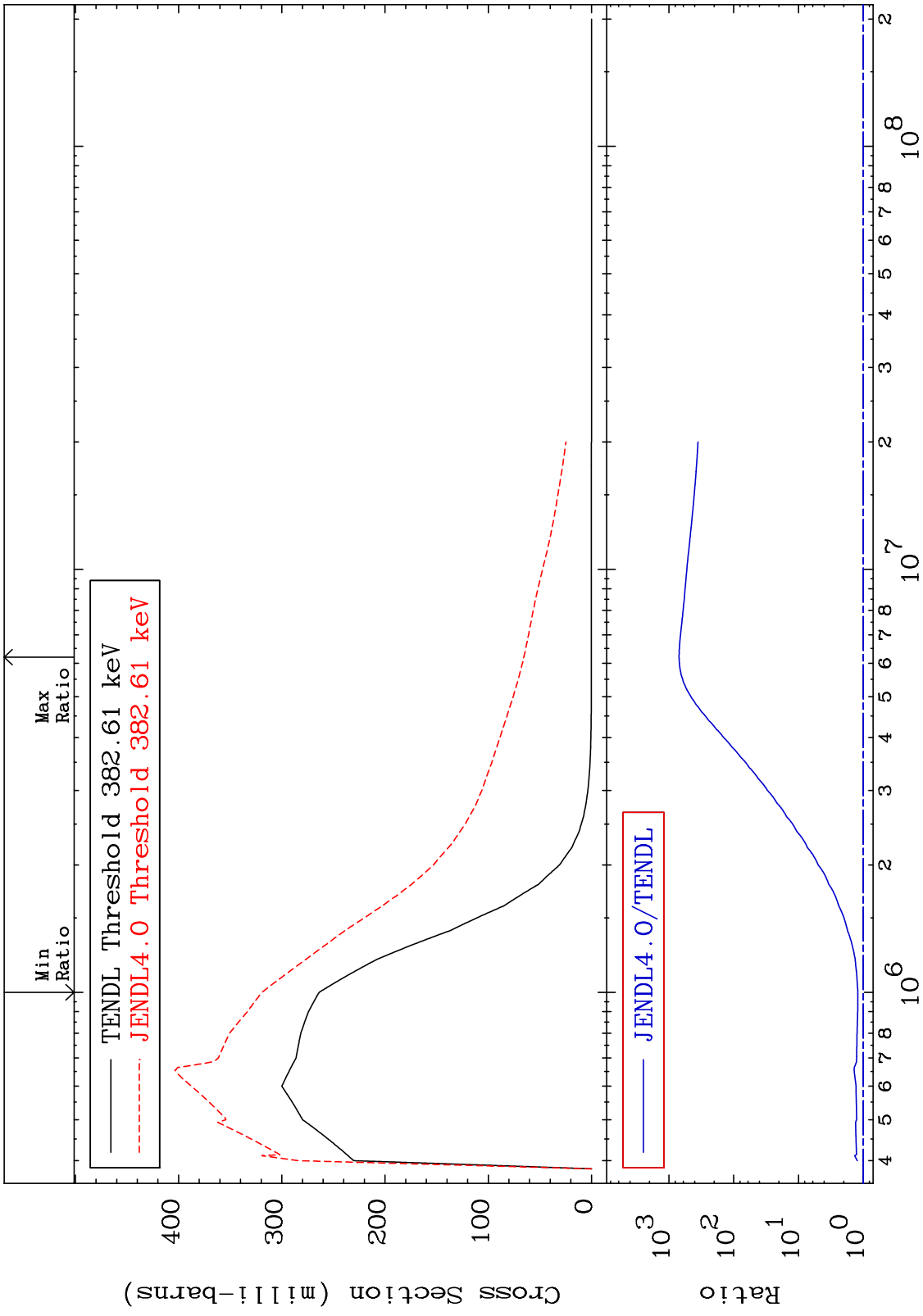
13 61-Pm-147

MAT 6149 MT= 52 (n,n') Level Cross Section 61-Pm-147 To 586.3 %

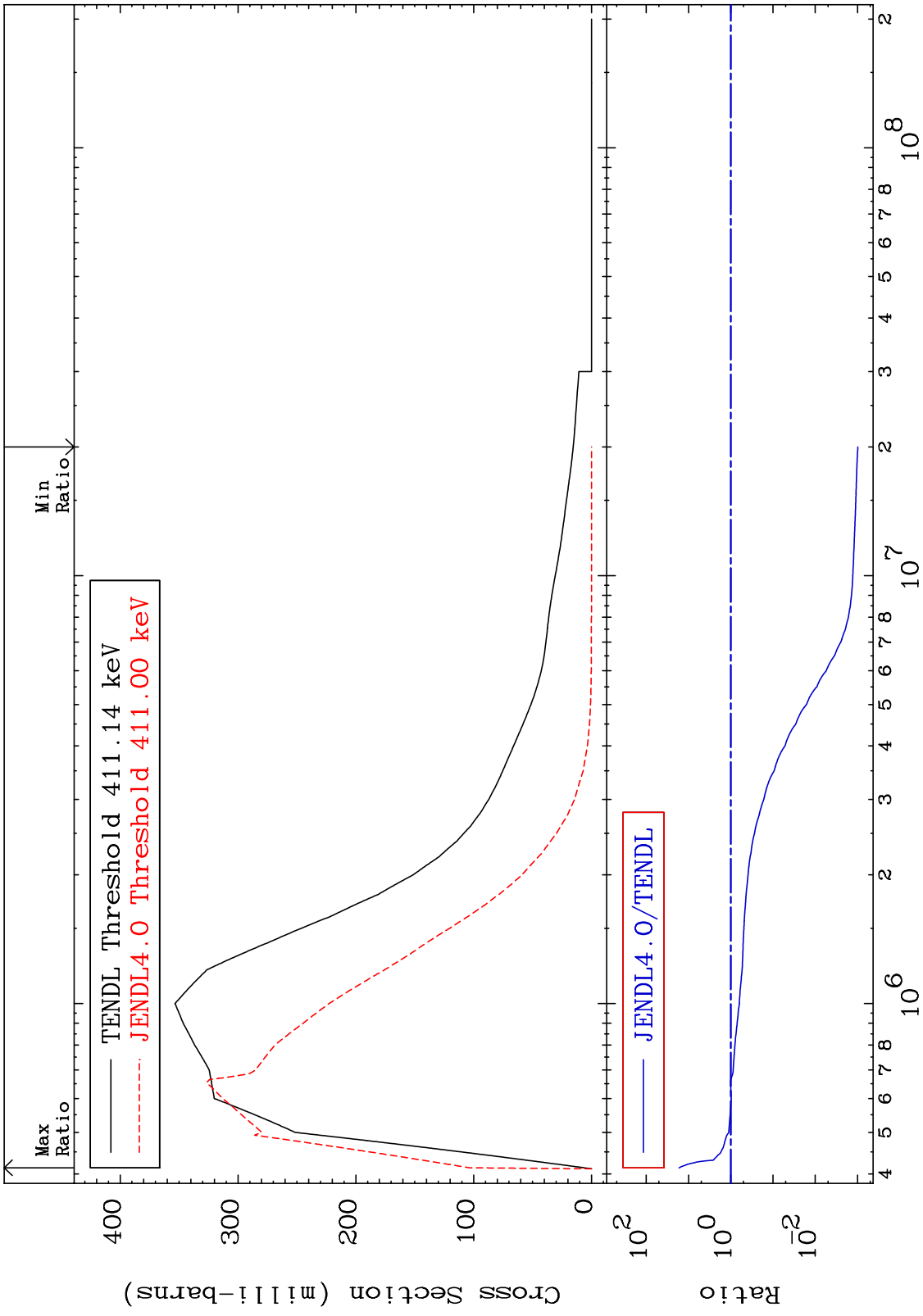


Incident Energy (eV) 61-Pm-147

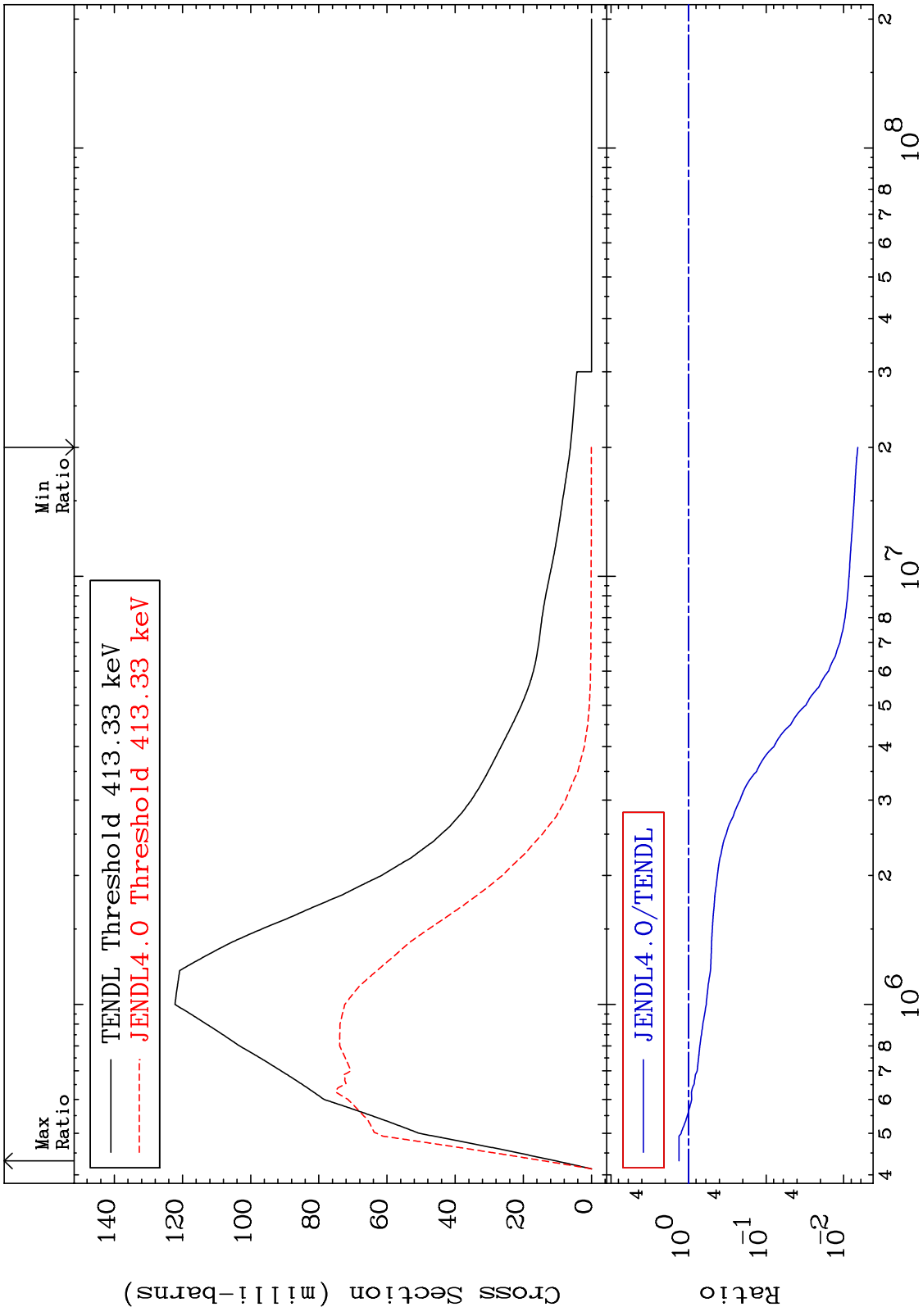
MAT 6149 MT= 53 (n,n') Level Cross Section 61-Pm-147 20.98 To 9999. %



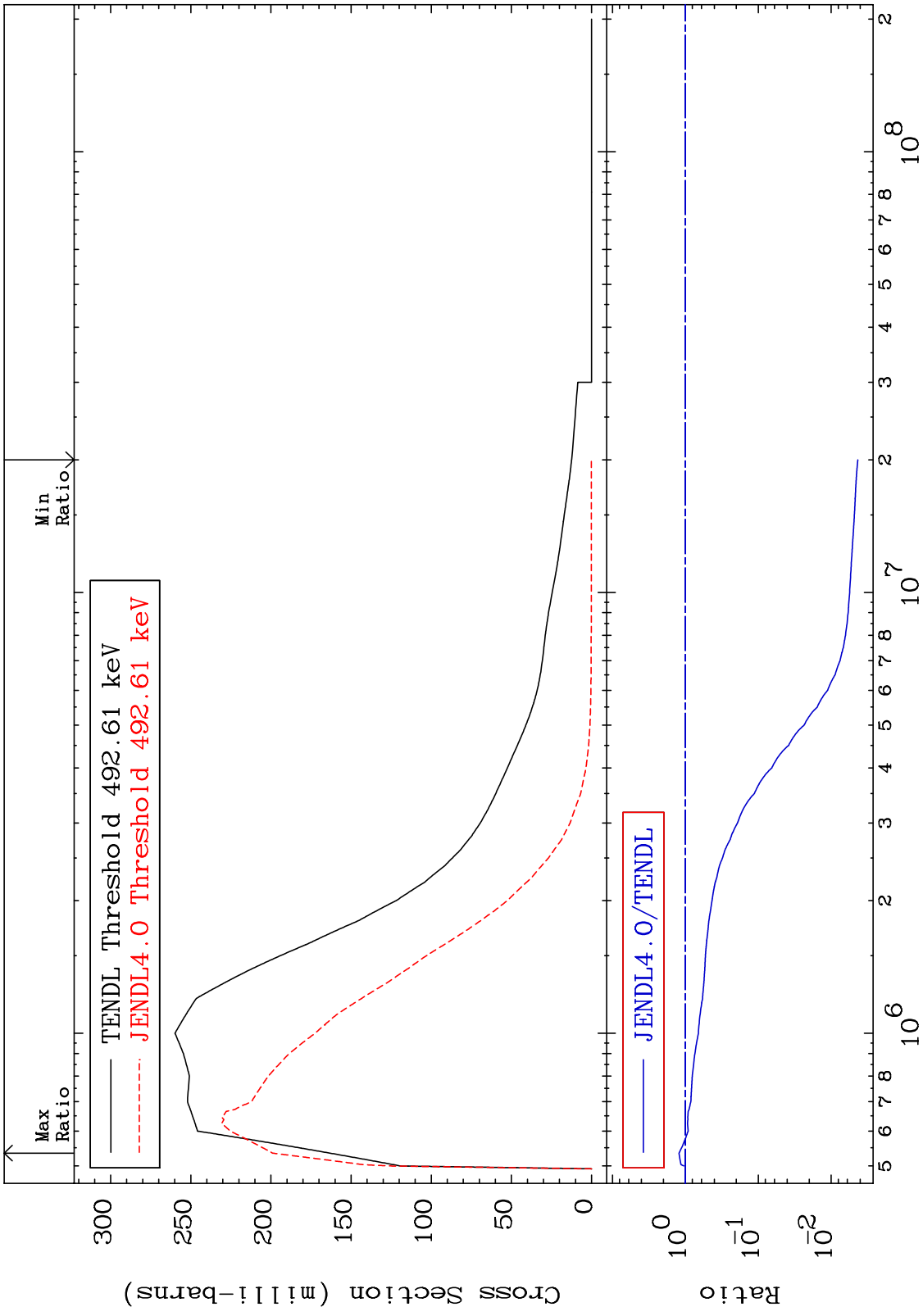
MAT 6149 MT= 54 (n,n') Level Cross Section 61-Pm-147 -99.90 To 1574. %



MAT 6149 MT= 55 (n,n') Level Cross Section 61-Pm-147
 -99.34 To 32.59 %



MAT 6149 MT= 56 (n,n') Level Cross Section 61-Pm-147 -99.57 To 22.00 %

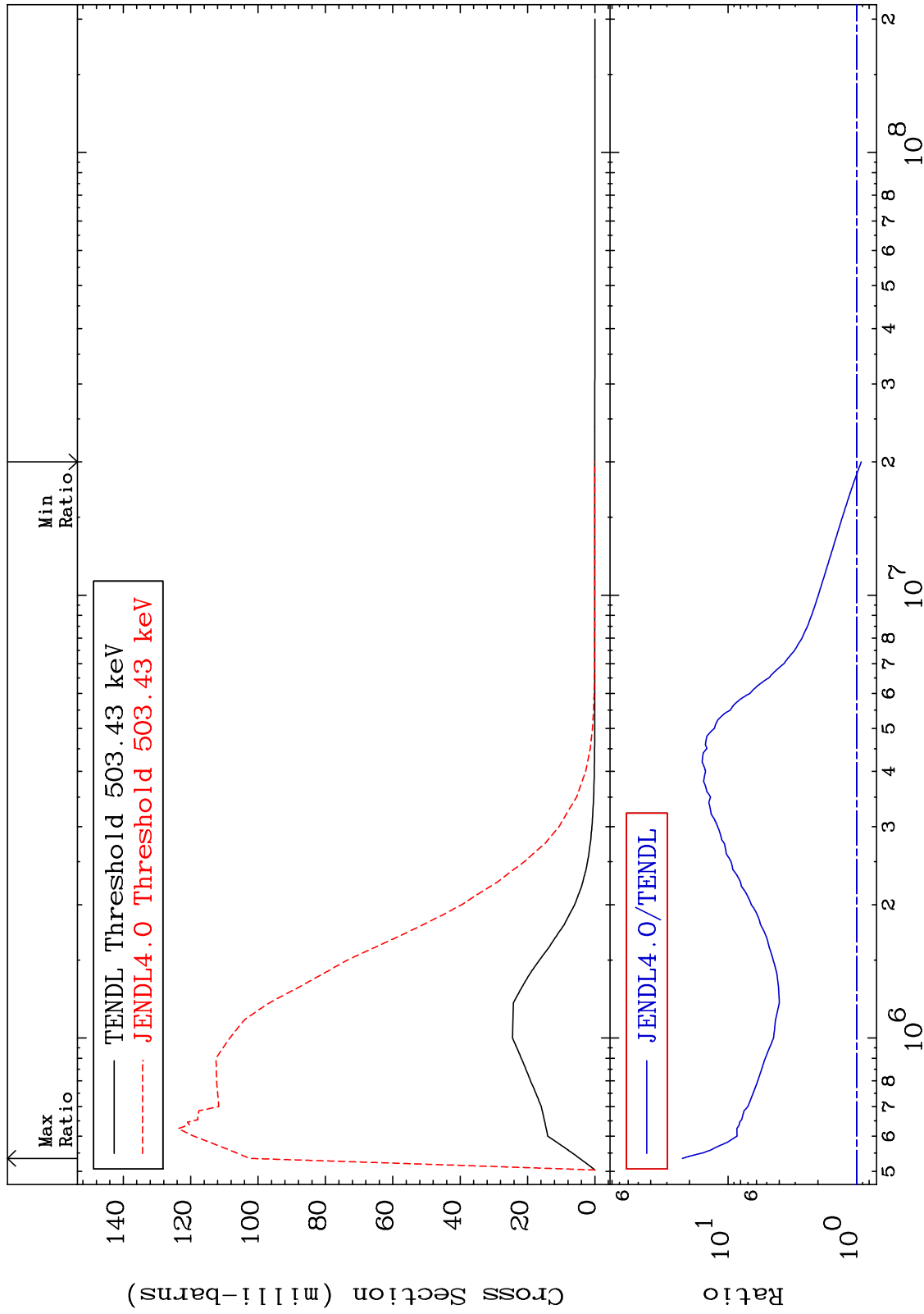


18 61-Pm-147 Incident Energy (eV)

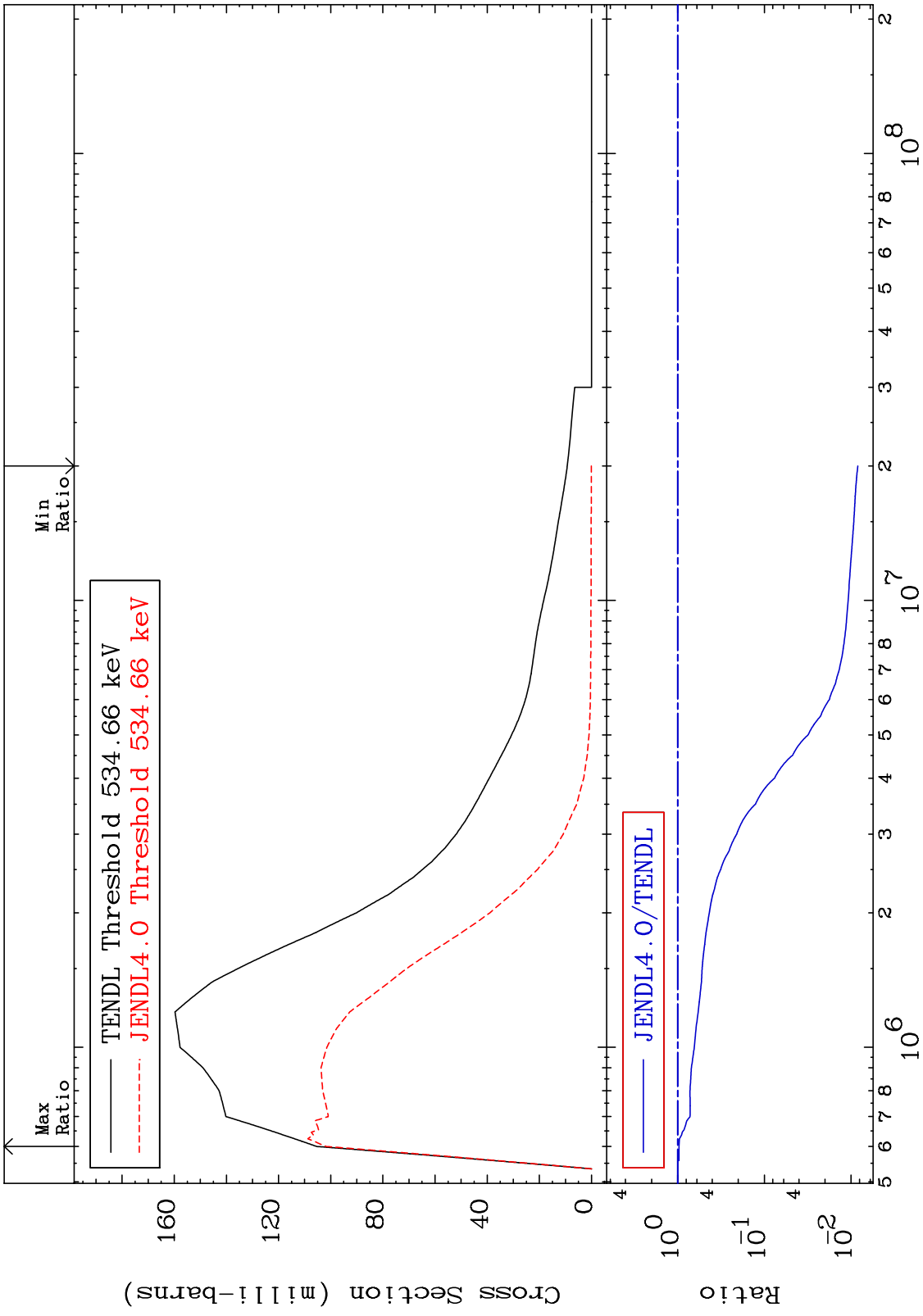
MAT 6149

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

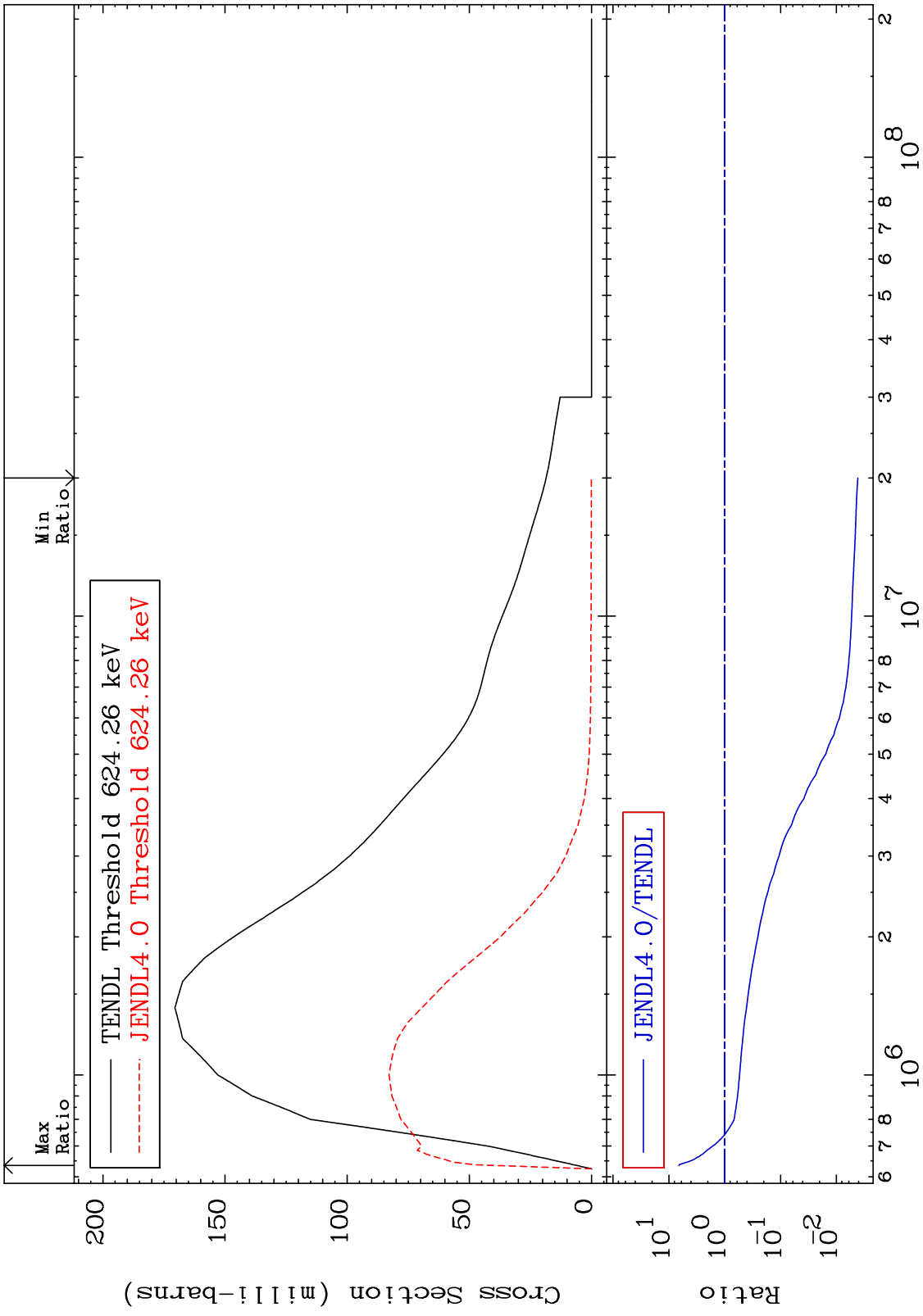
61-Pm-147
-7.999 To 2165. %



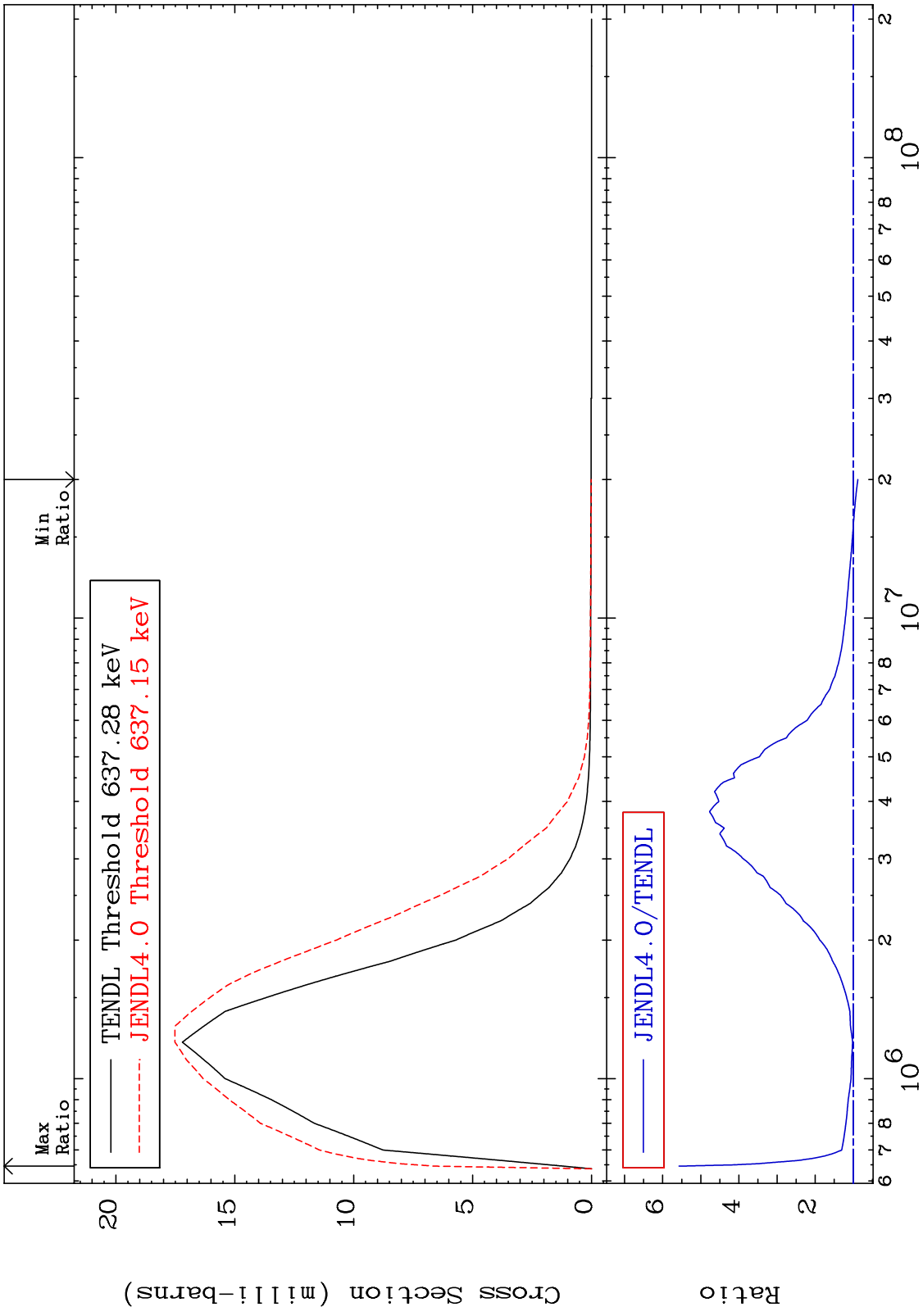
MAT 6149 MT= 58 (n,n') Level Cross Section 61-Pm-147 -99.16 To -3.463%



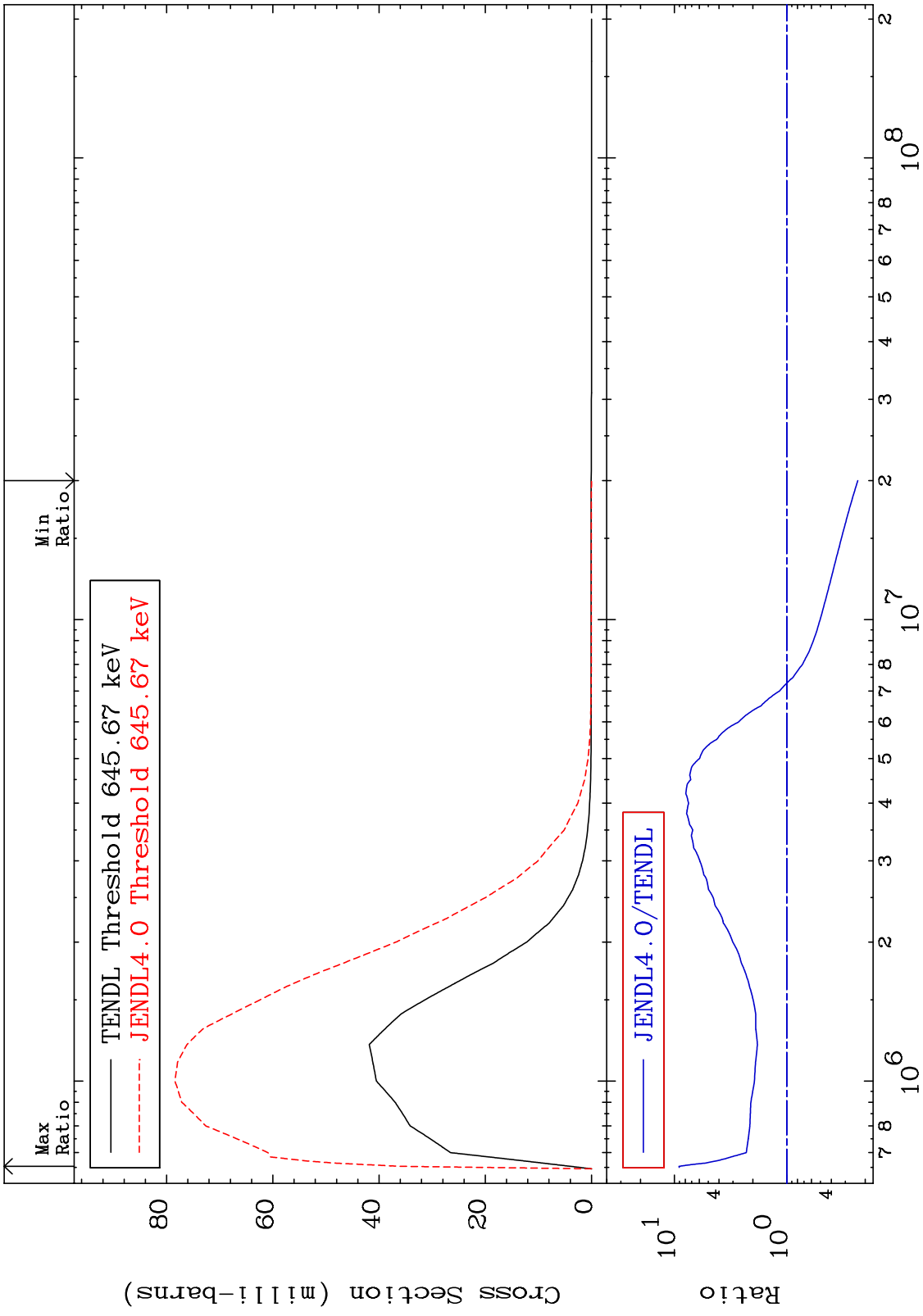
MAT 6149 MT= 59 (n,n') Level Cross Section 61-Pm-147
 -99.59 To 557.8 %



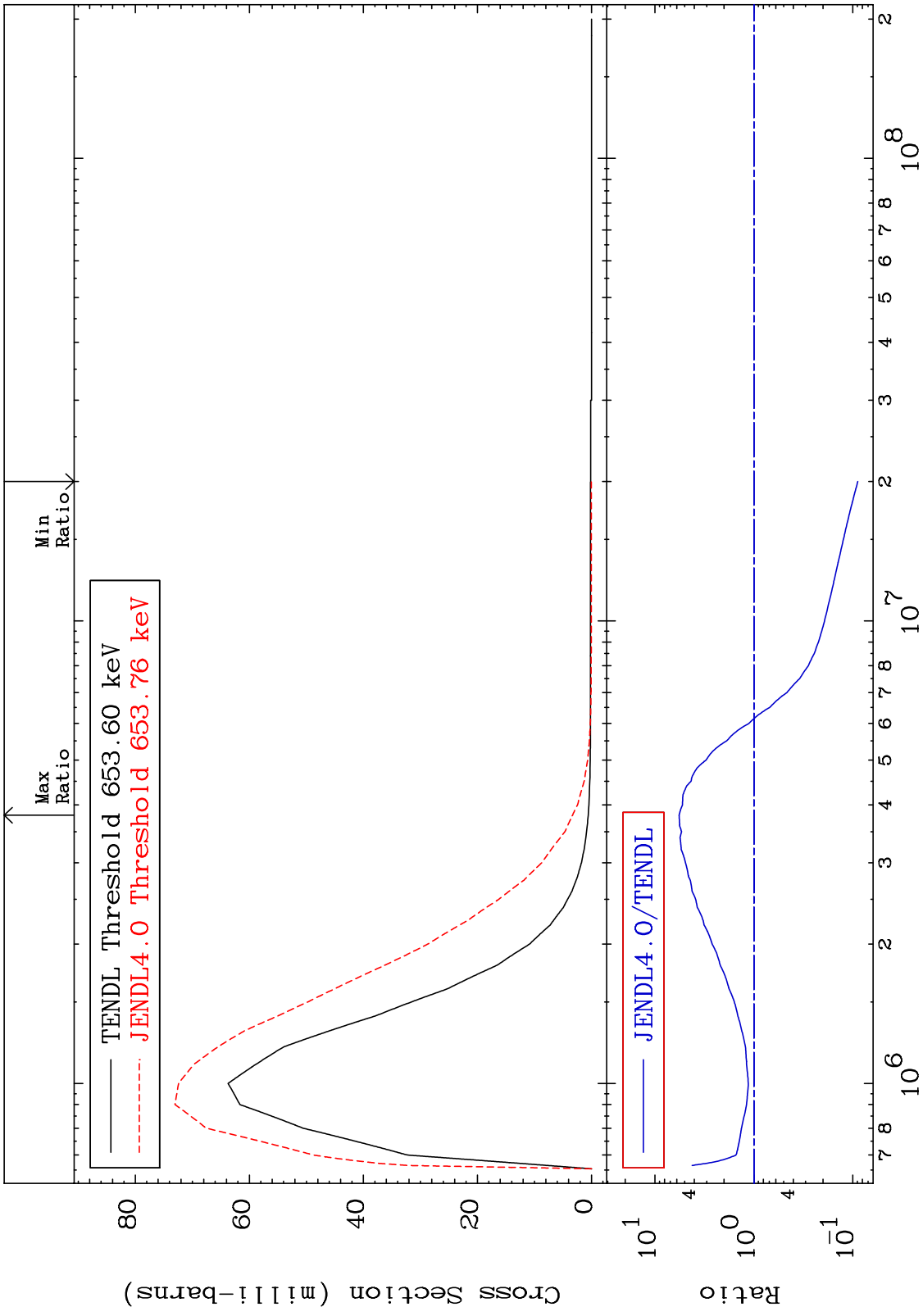
MAT 6149 MT= 60 (n,n') Level Cross Section 61-Pm-147
 -11.89 To 457.1 %



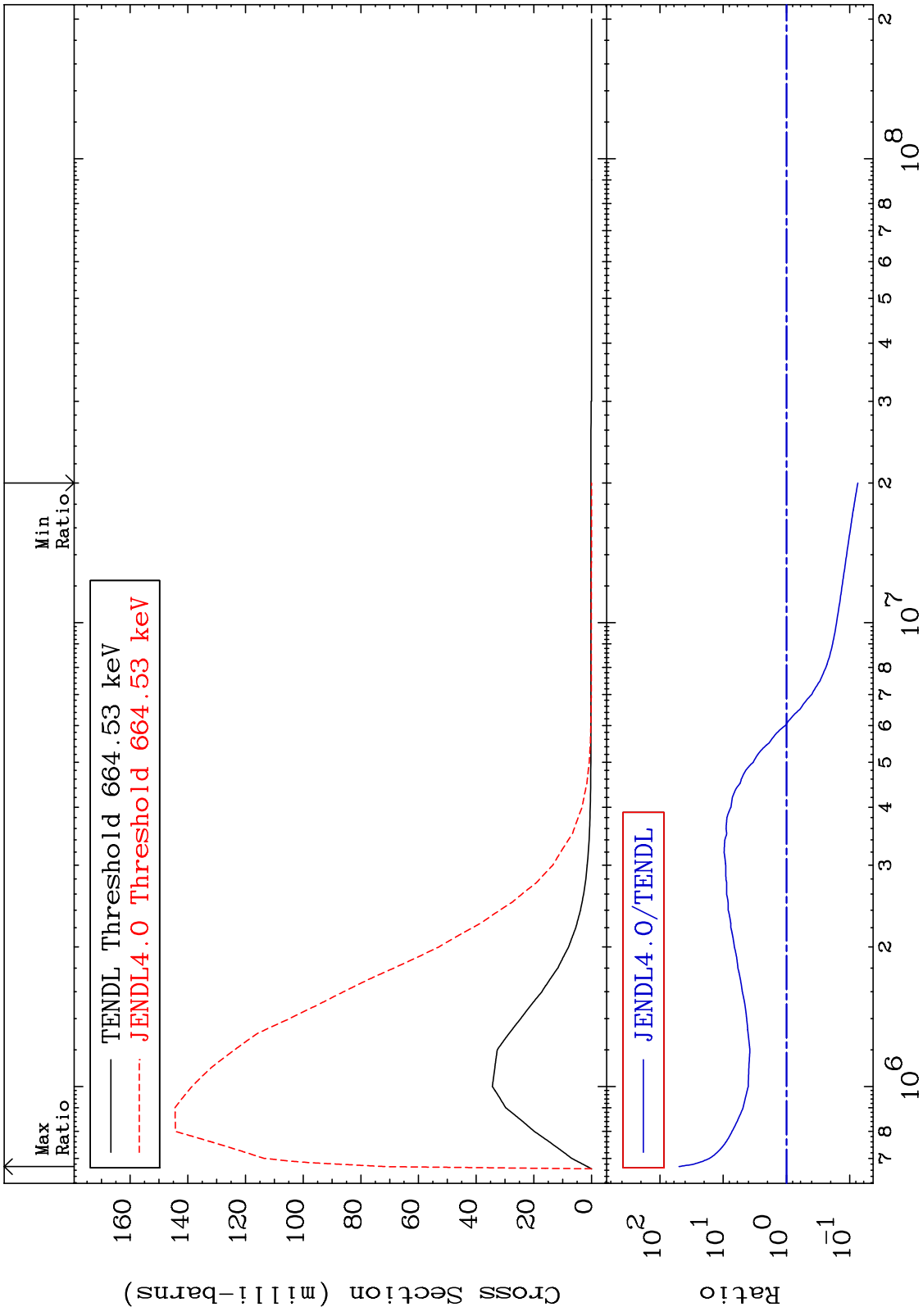
MAT 6149 MT= 61 (n,n') Level Cross Section 61-Pm-147 -76.78 To 808.6 %



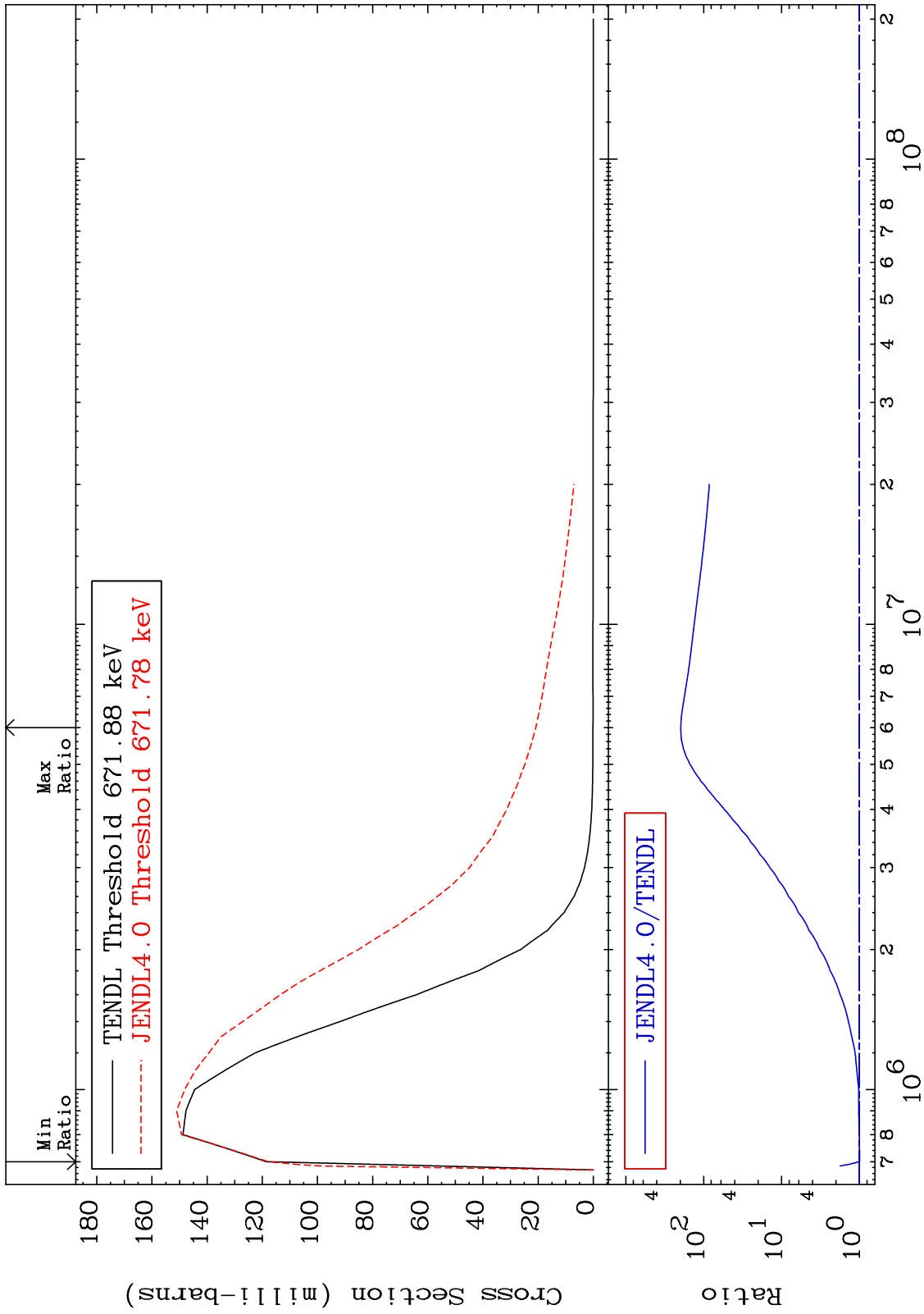
MAT 6149 MT= 62 (n,n') Level Cross Section 61-Pm-147 -91.11 To 470.3 %



MAT 6149 MT= 63 (n,n') Level Cross Section 61-Pm-147 -92.58 To 4902. %



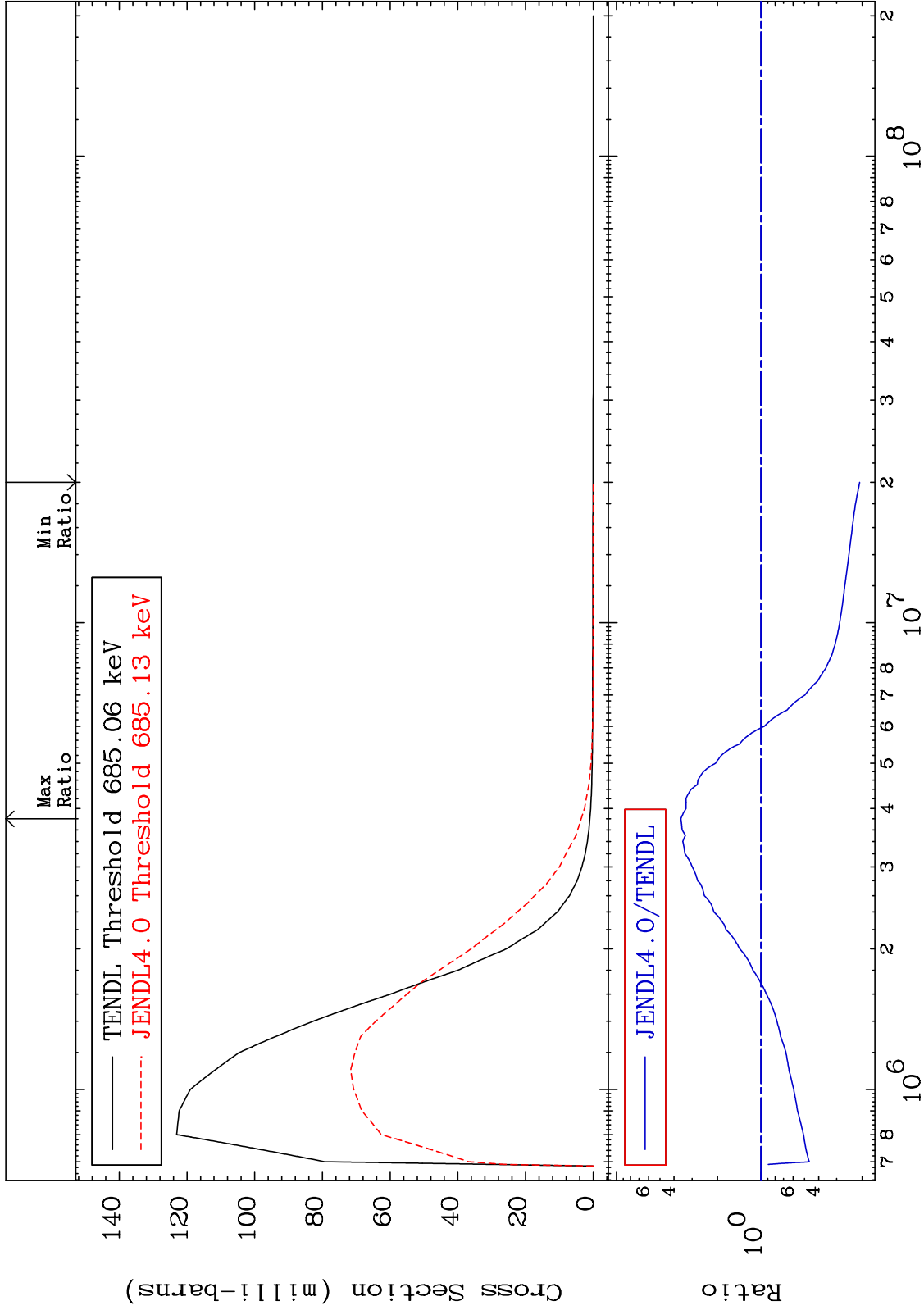
MAT 6149 MT= 64 (n,n') Level 61-Pm-147
 Cross Section -0.590 To 9999. %



MAT 6149

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

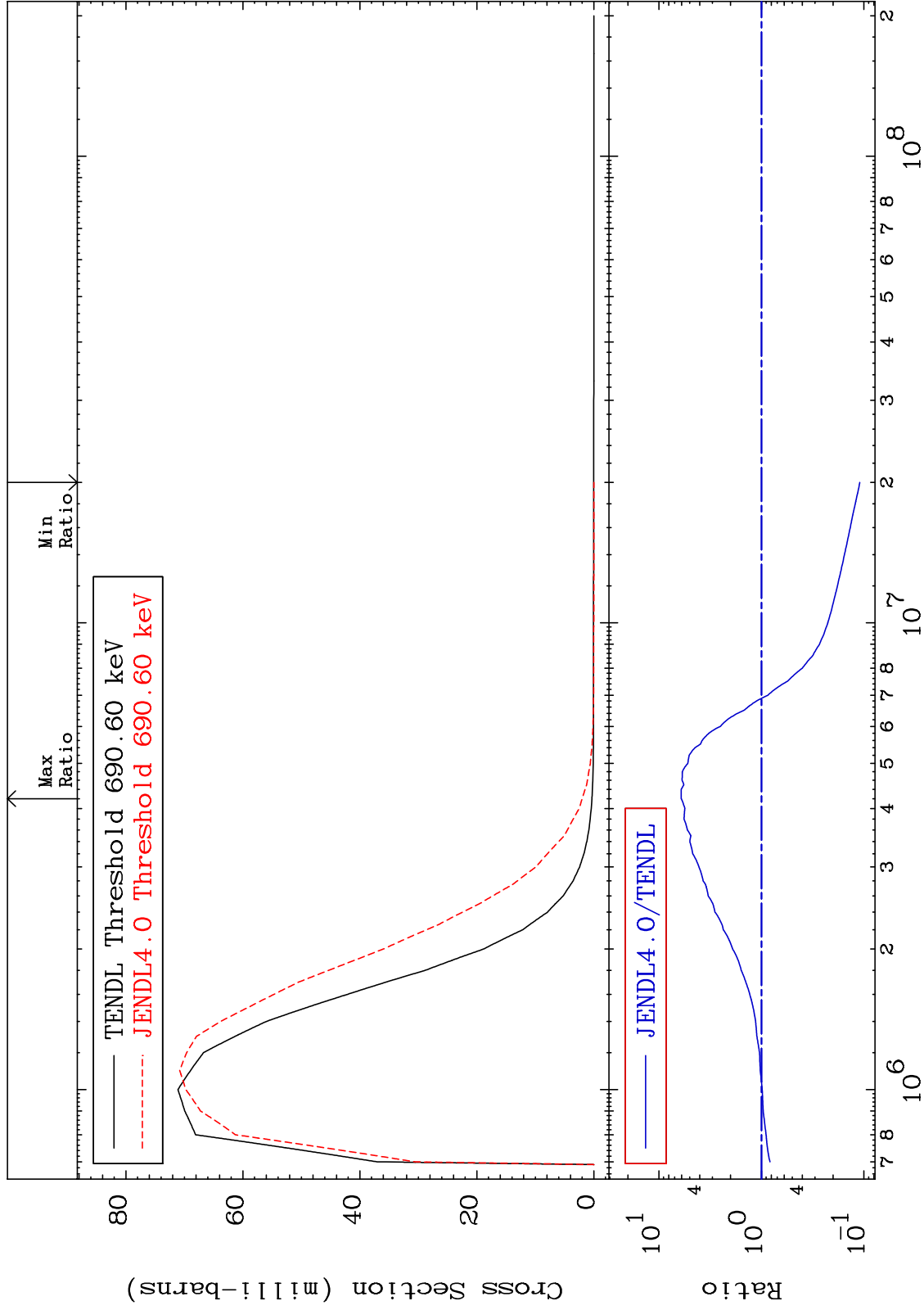
61-Pm-147
-79.20 To 259.2 %



MAT 6149

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

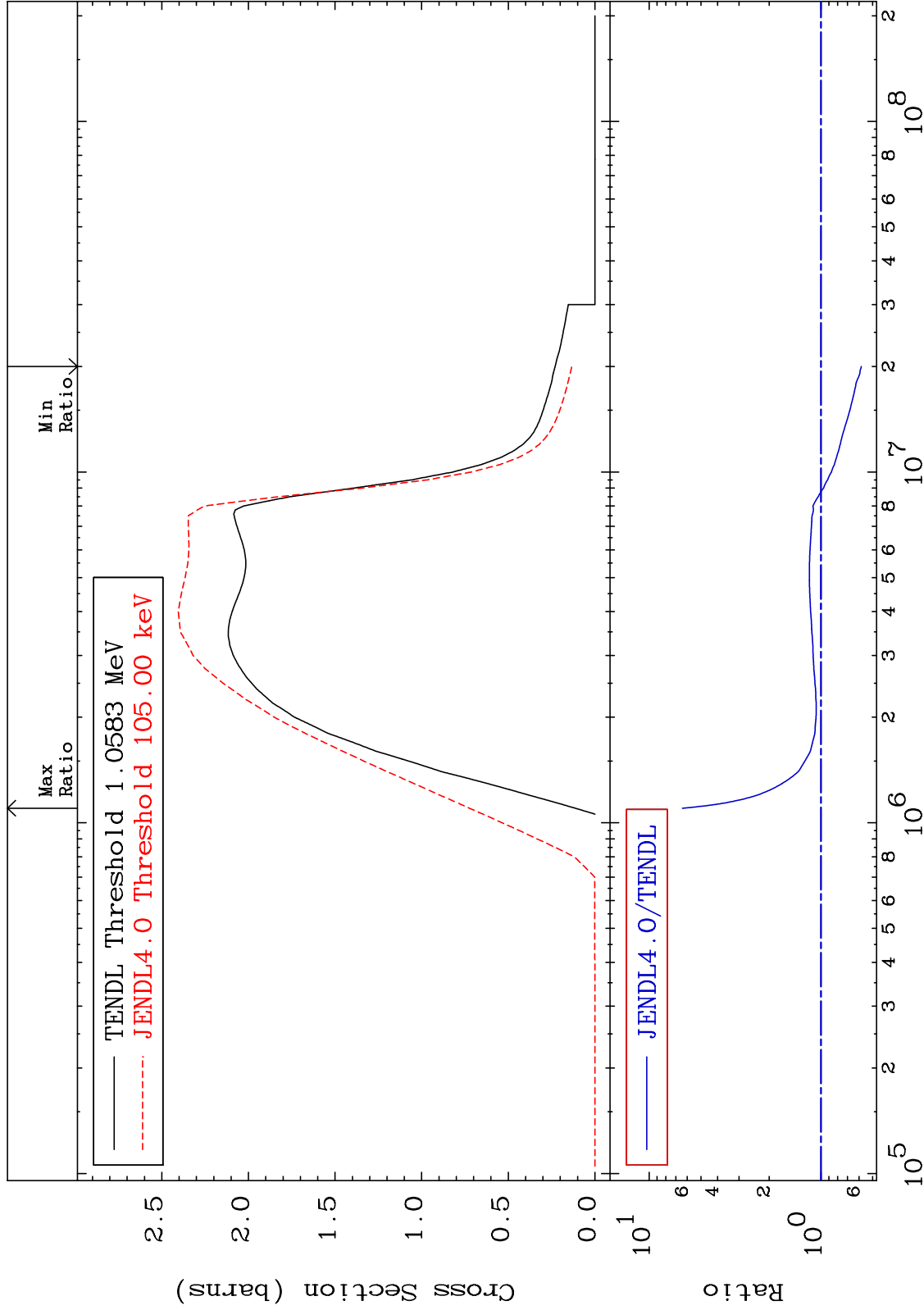
61-Pm-147
-89.01 To 504.6 %



MAT 6149

(n,n') Continuum
Cross Section

61-Pm-147
-41.77 To 540.2 %



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61-Pm-147

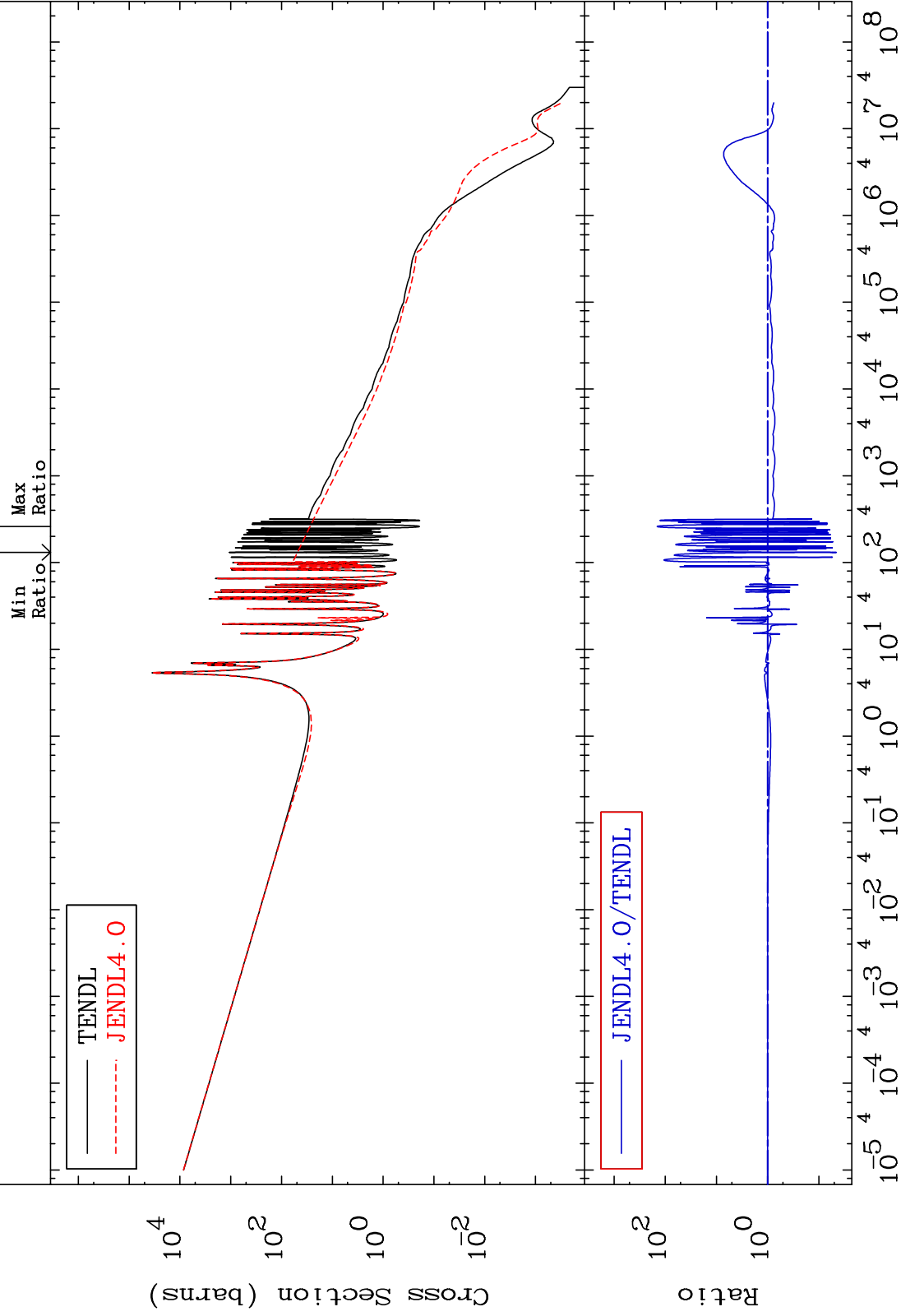
MAT 6149

(n, γ)

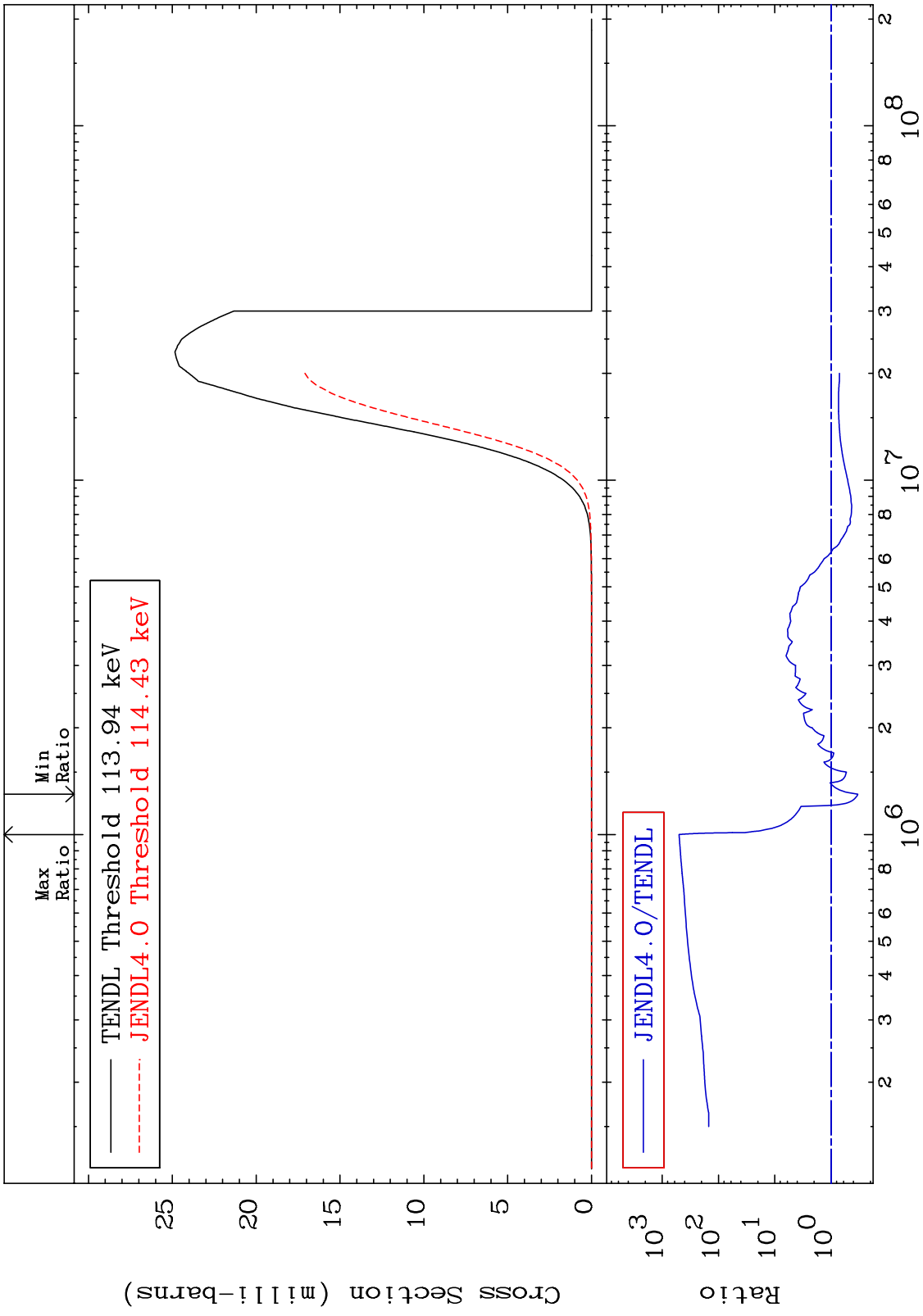
61-Pm-147

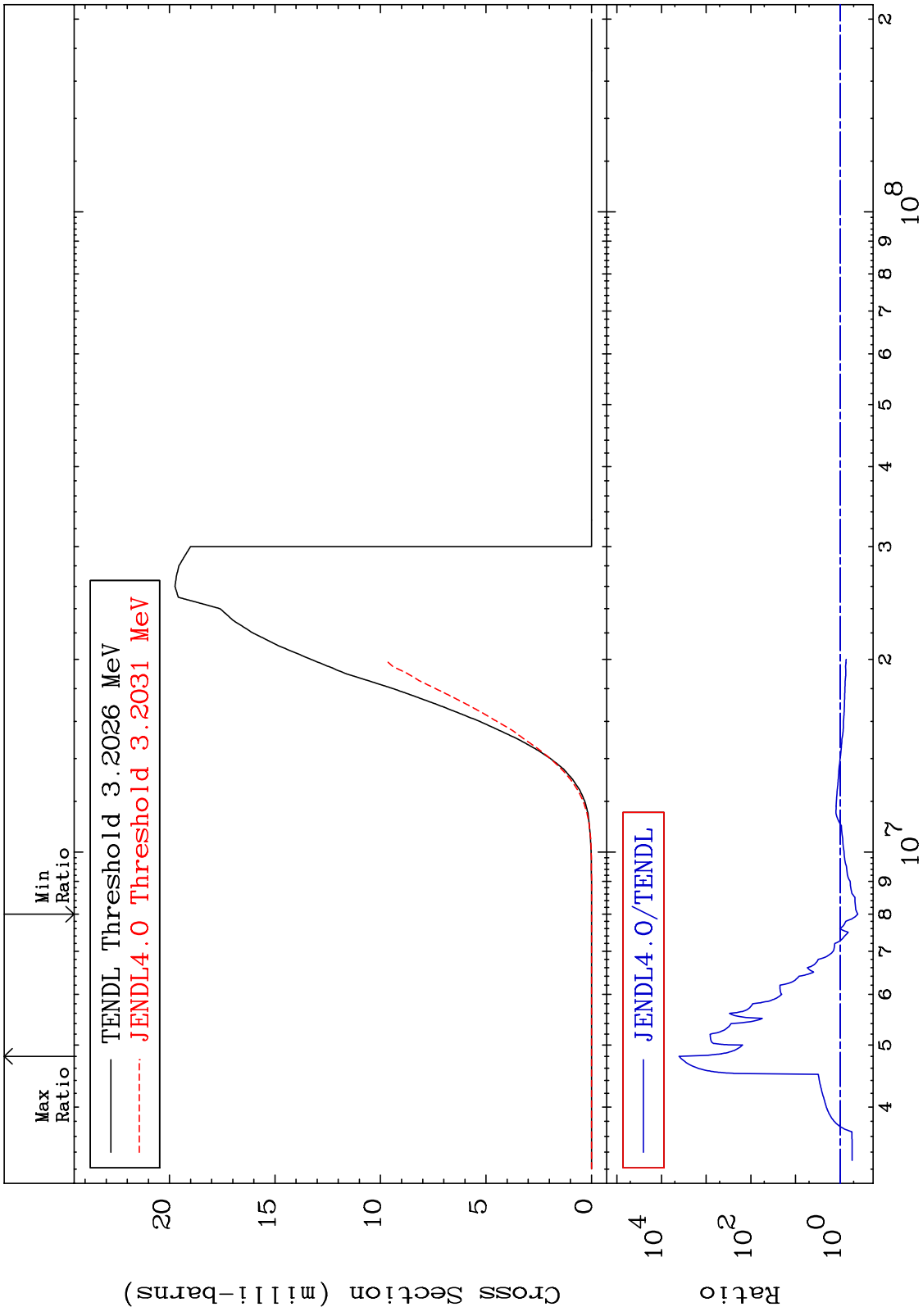
-95.48 To 9999. %

Cross Section

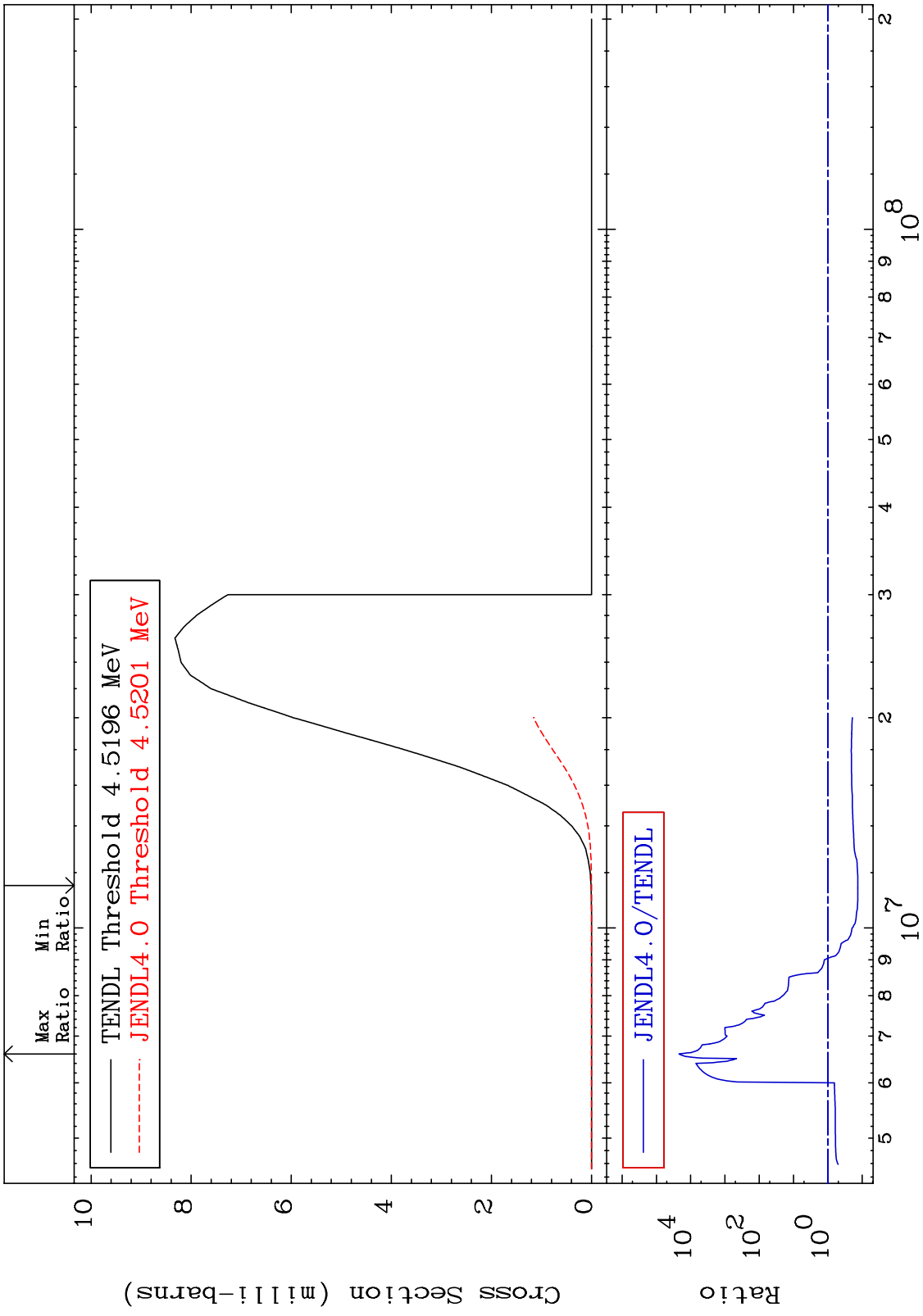


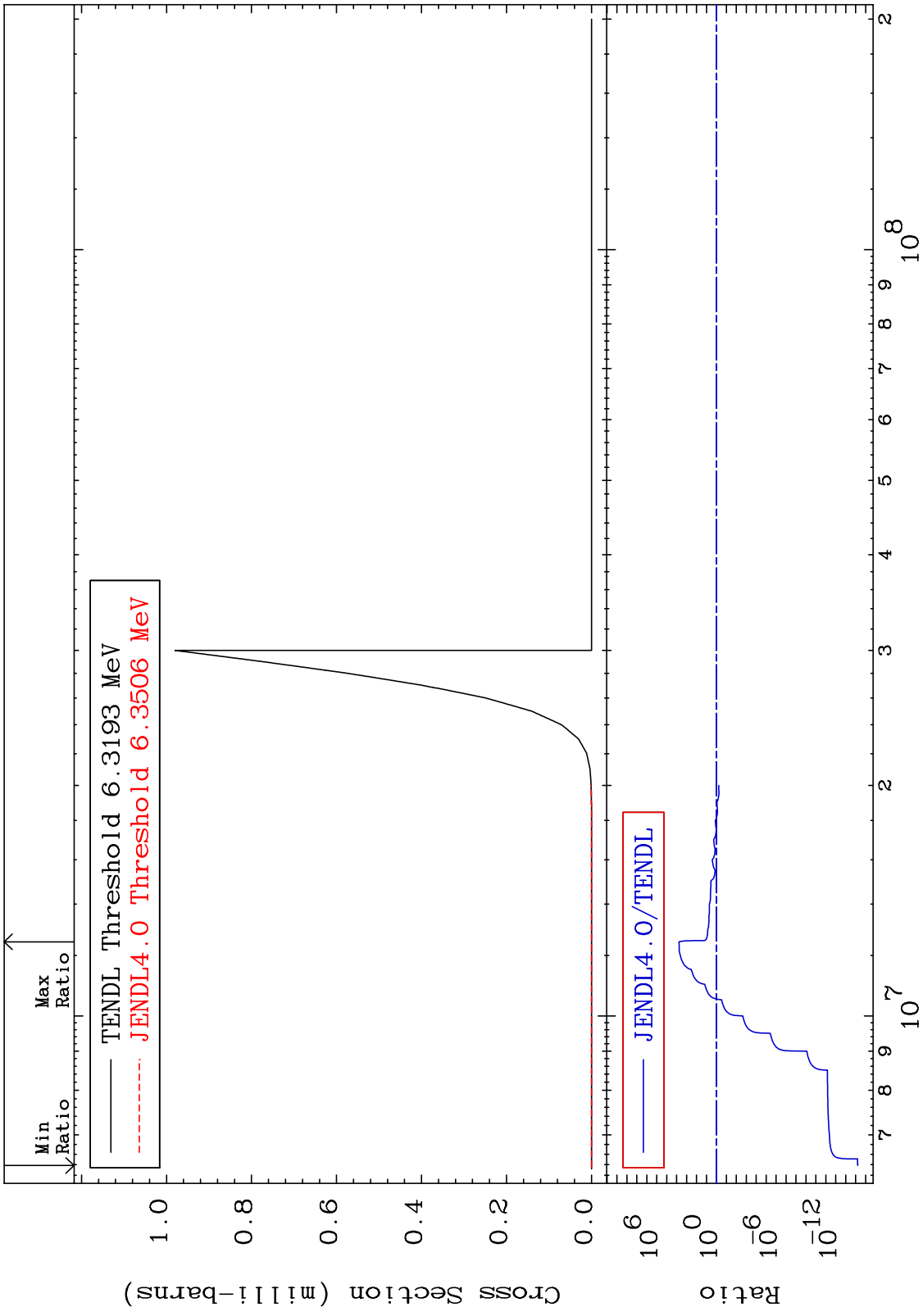
MAT 6149 (n,p) Cross Section 61-Pm-147 -66.47 To 9999. %





MAT 6149 (n,t) Cross Section 61-Pm-147 -86.58 To 9999. %



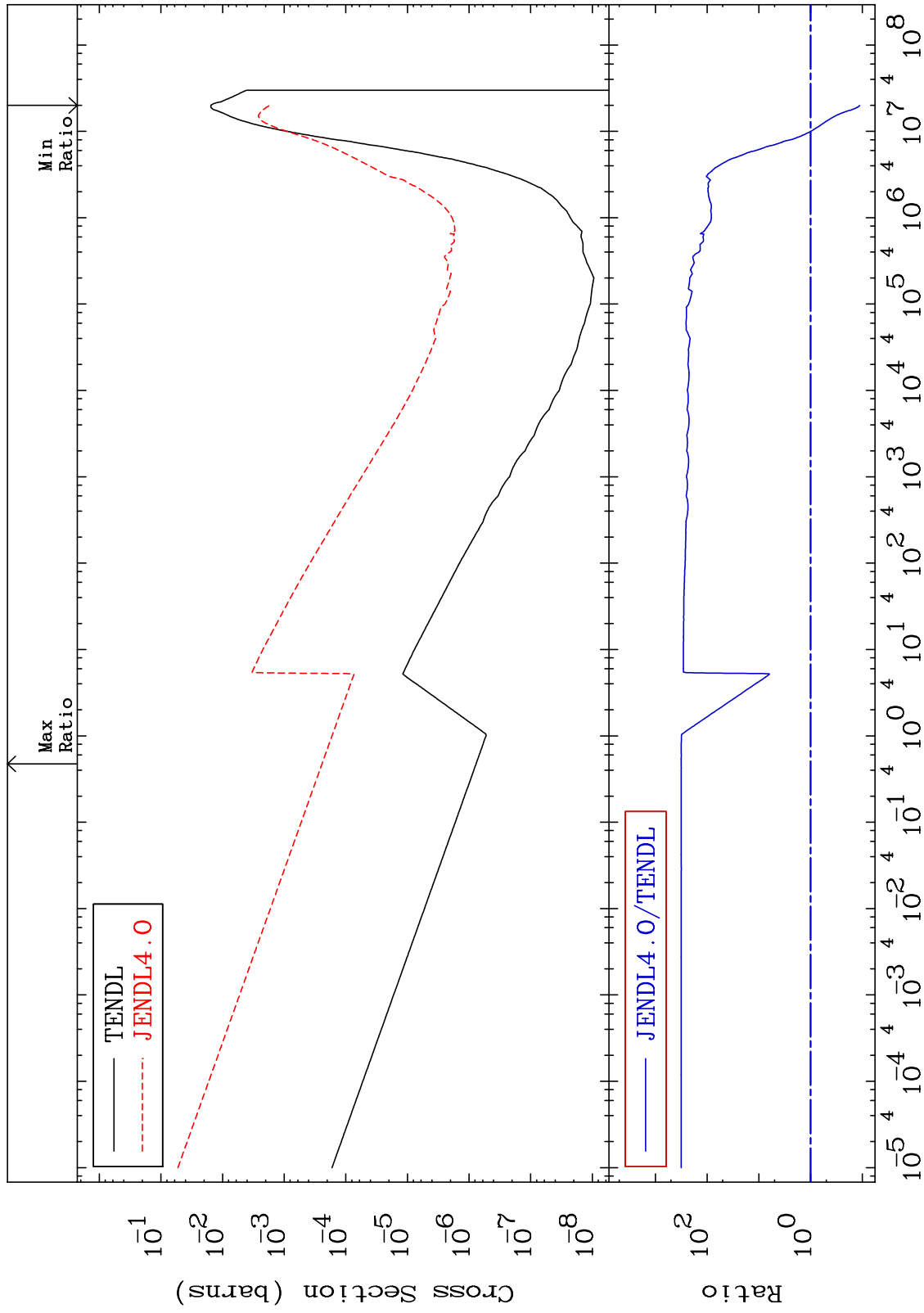


MAT 6149

(n, α)

61-Pm-147

-88.74 To 9999. %



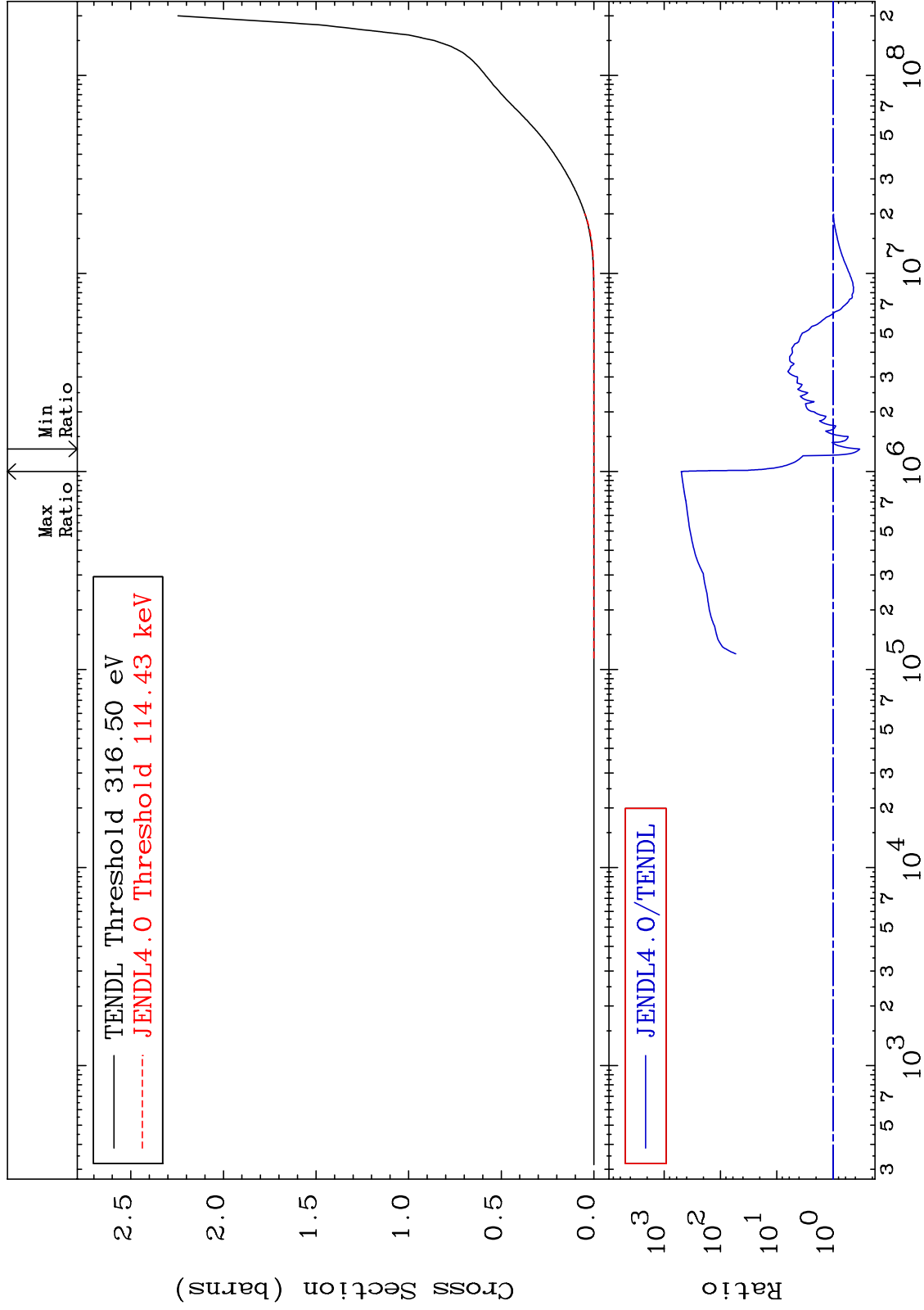
Incident Energy (eV)

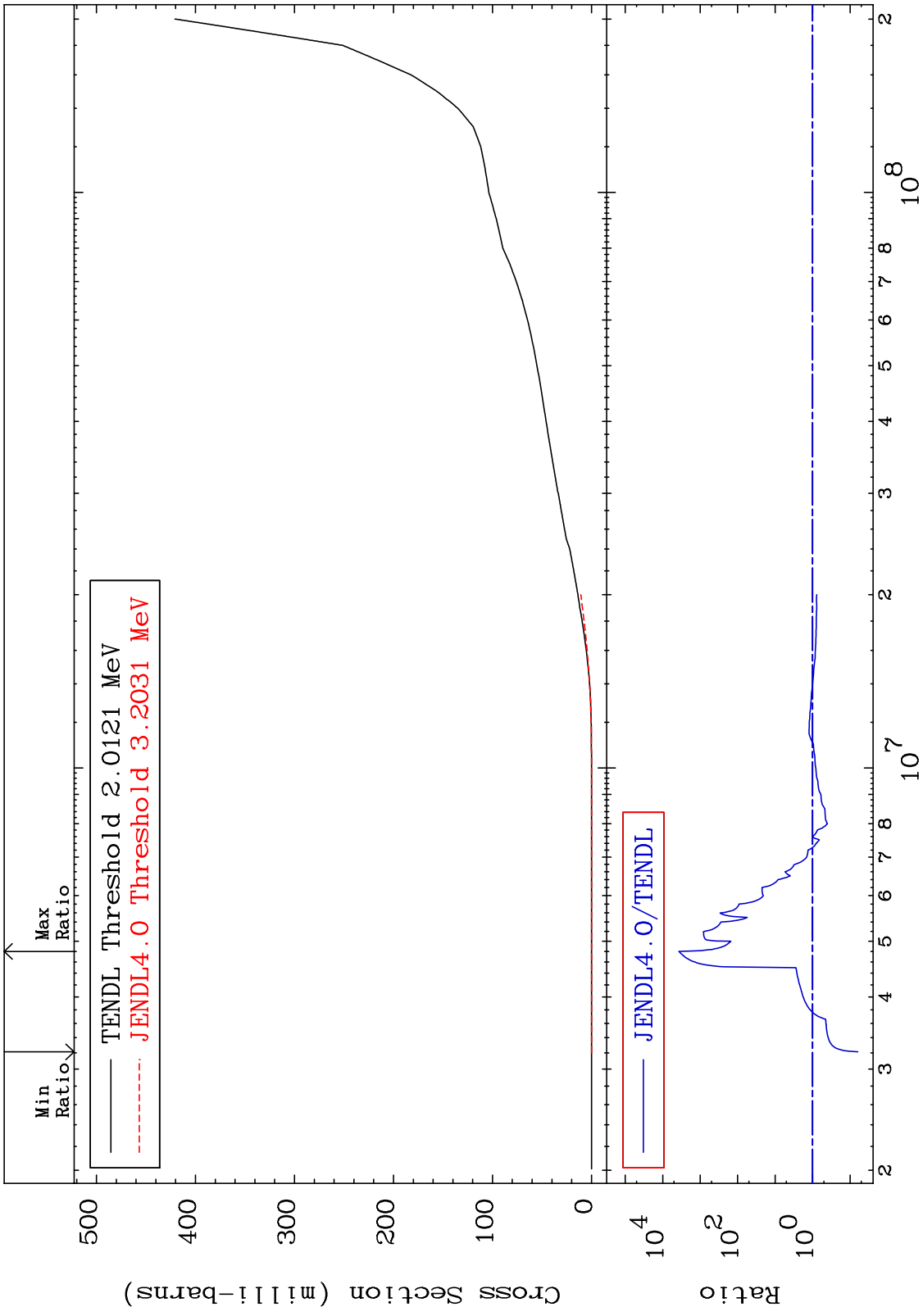
61-Pm-147

MAT 6149

Hydrogen Production
Cross Section

61-Pm-147
-66.47 To 9999. %

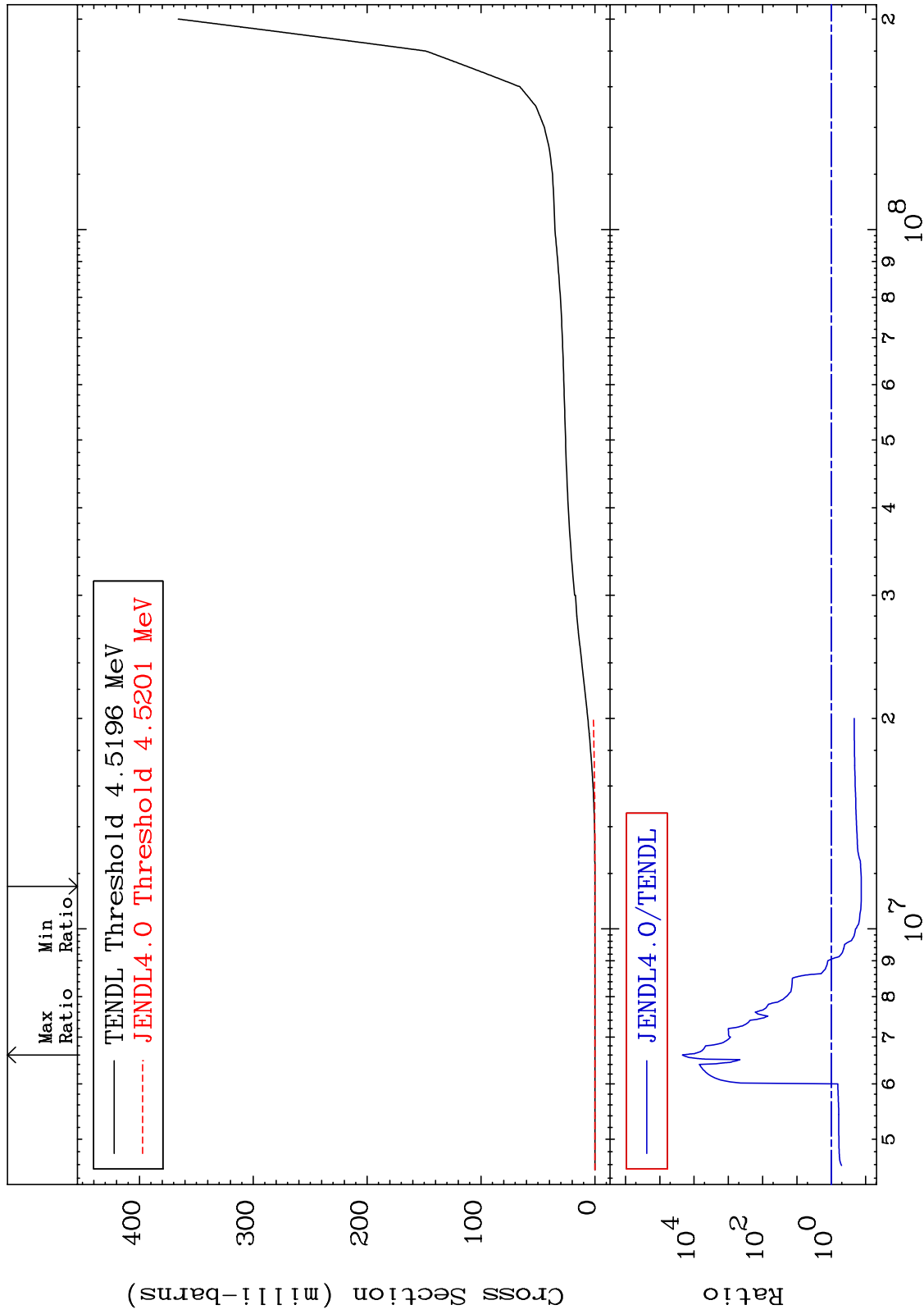




MAT 6149

Tritium Production
Cross Section

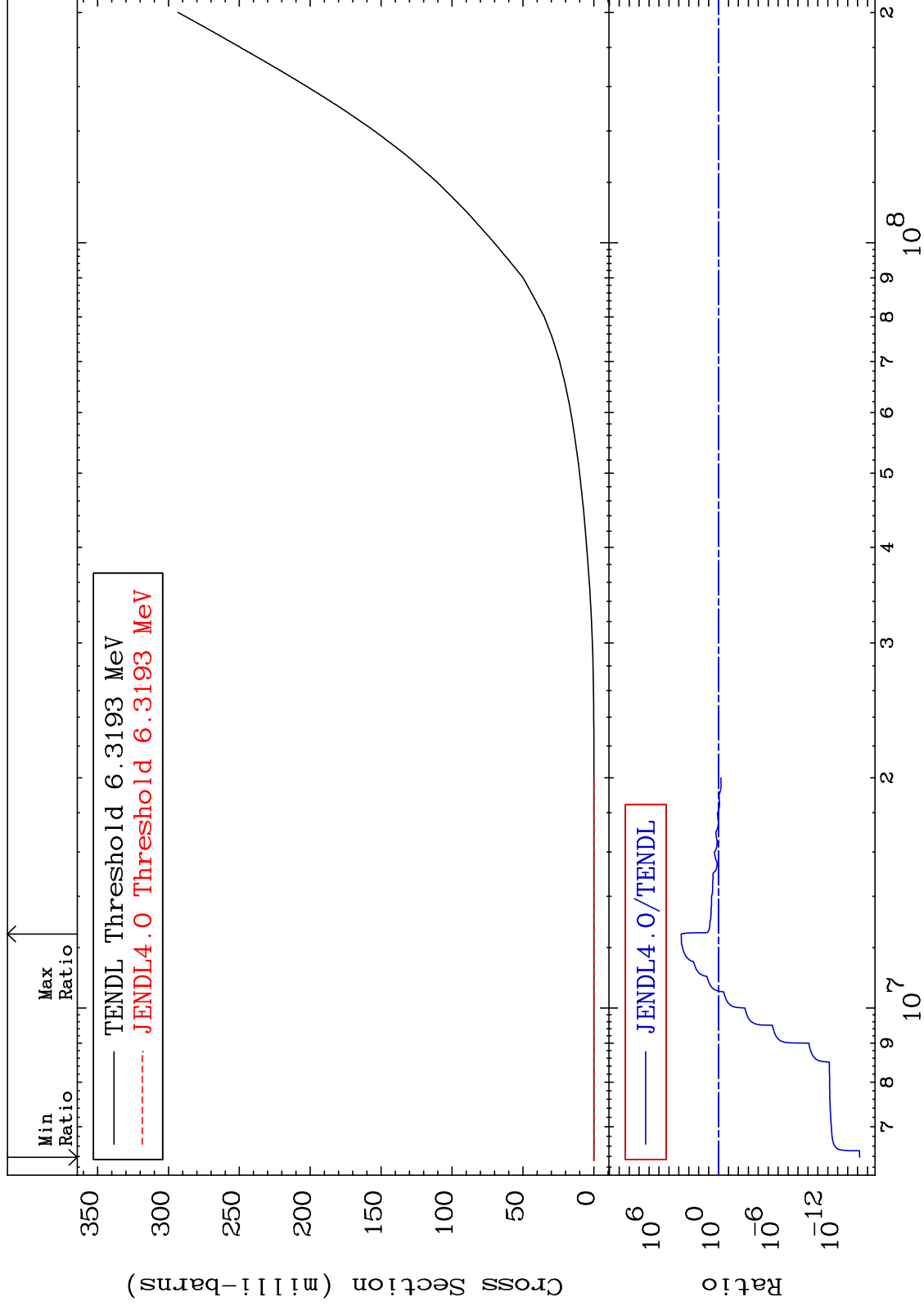
61-Pm-147
-86.58 To 9999. %



MAT 6149

He-3 Production
Cross Section

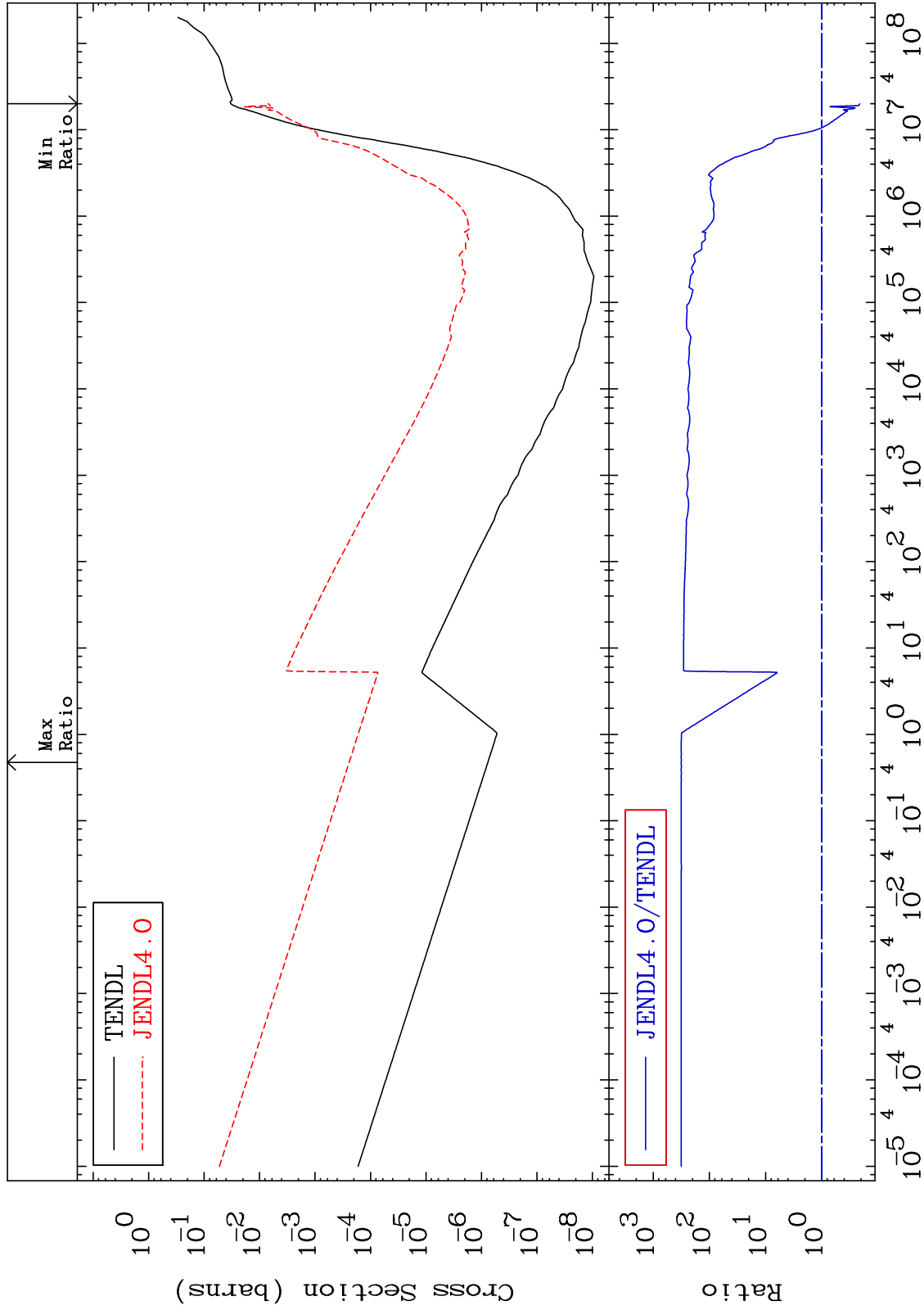
61-Pm-147
-100.0 To 9999. %



MAT 6149

He-4 Production
Cross Section

61-Pm-147
-78.90 To 9999. %

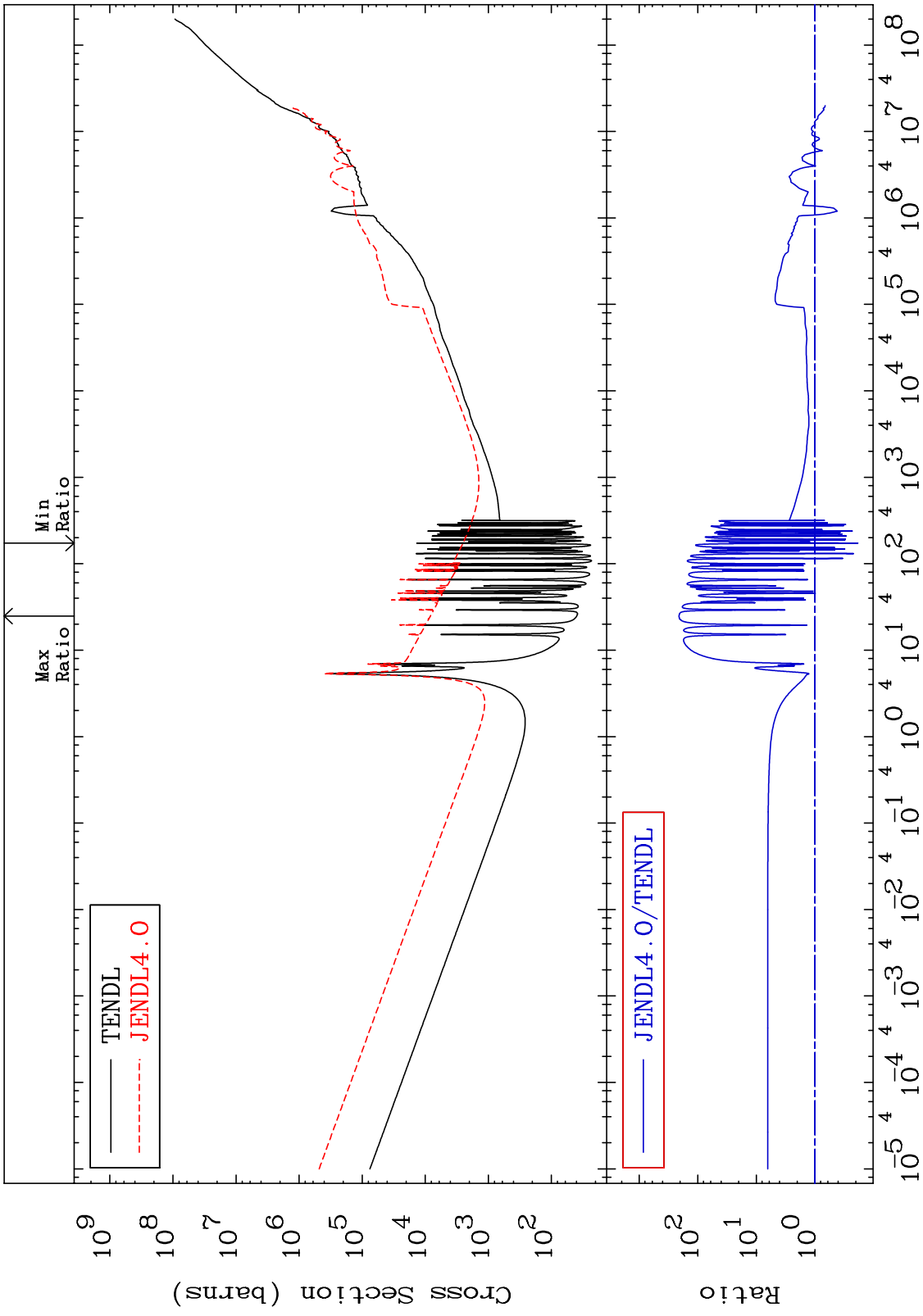


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Incident Energy (eV)

61-Pm-147

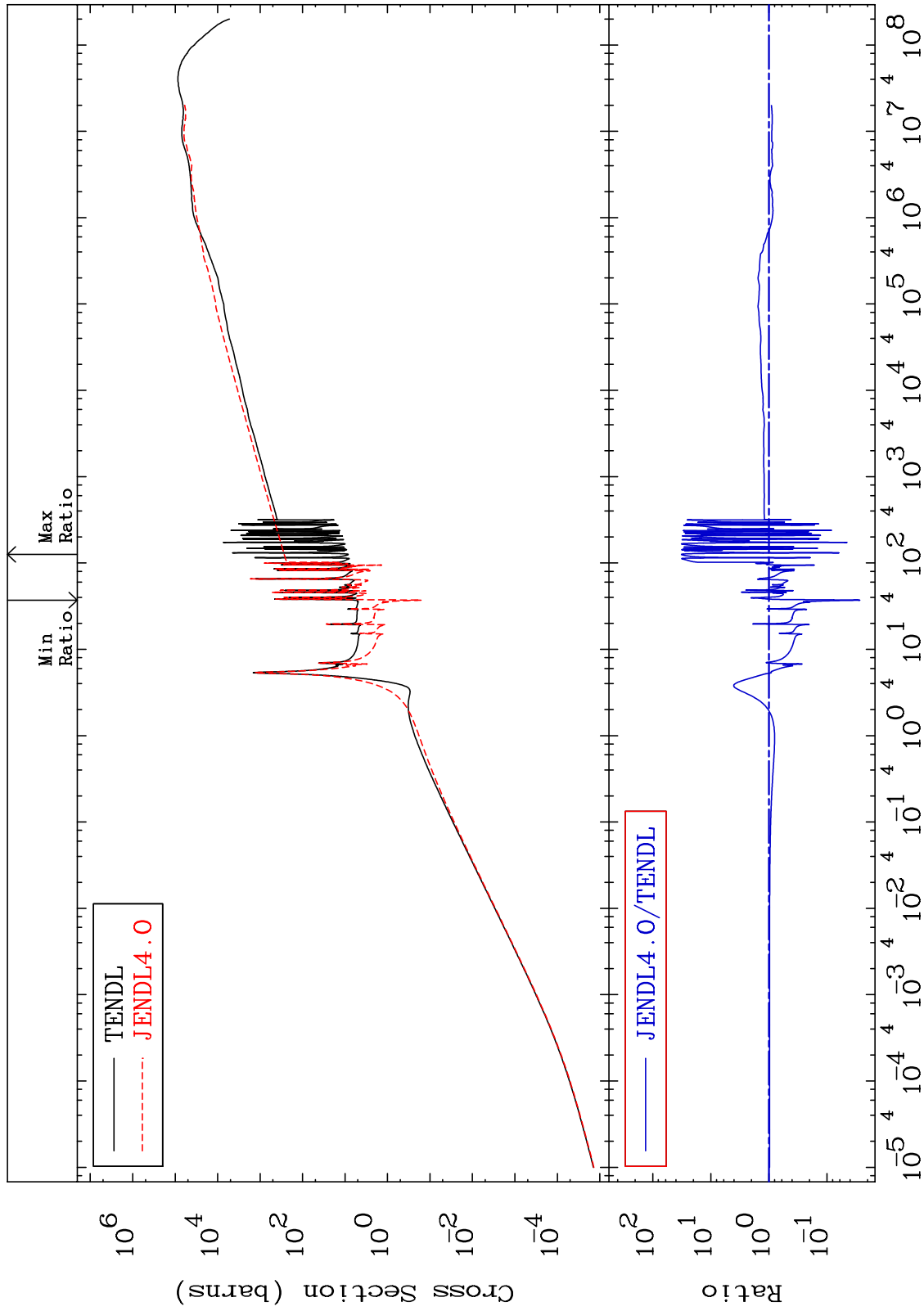
MAT 6149 Kerma total (eV-barns) 61-Pm-147
 Cross Section -81.54 To 9999. %



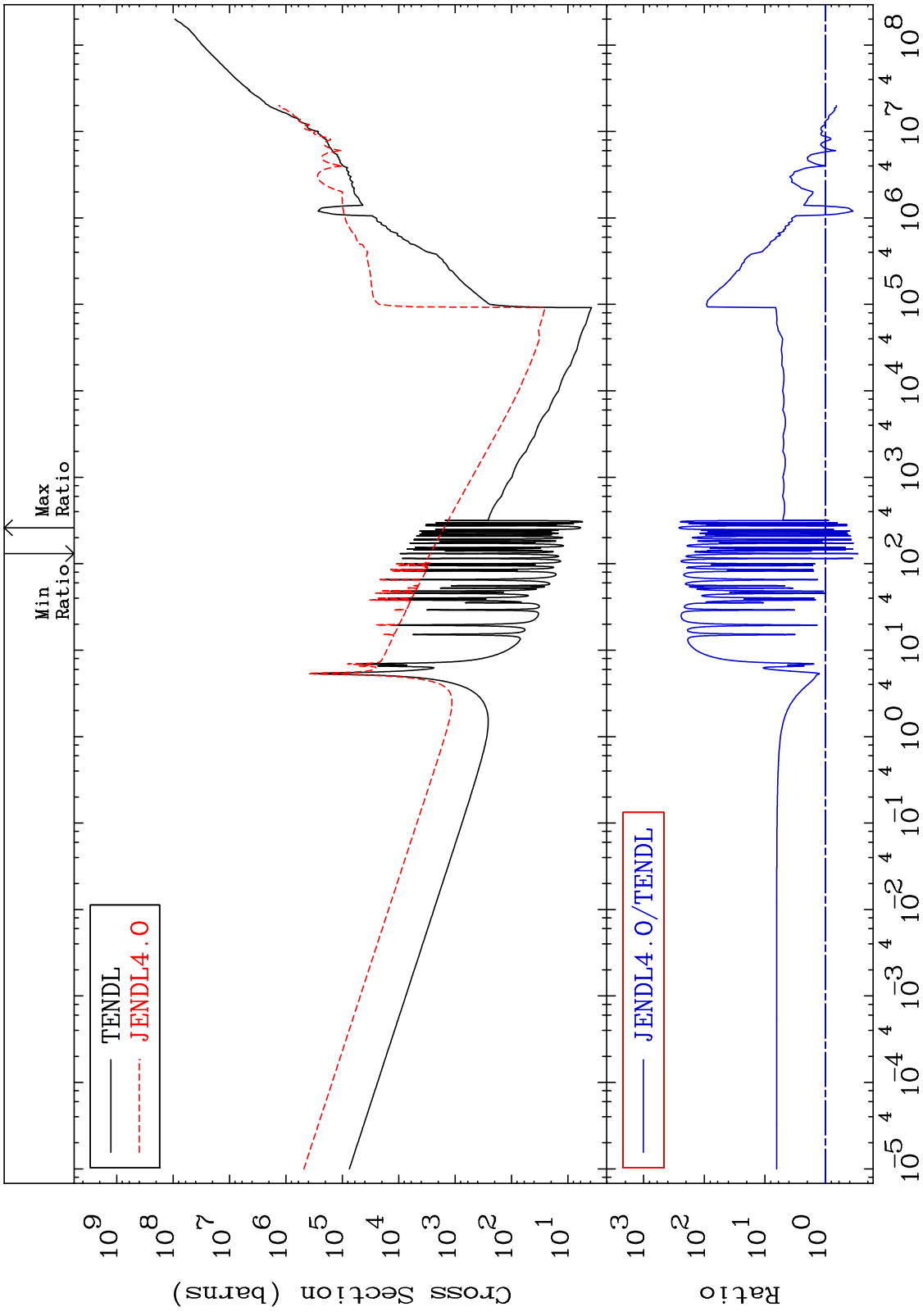
MAT 6149

Kerma elastic
Cross Section

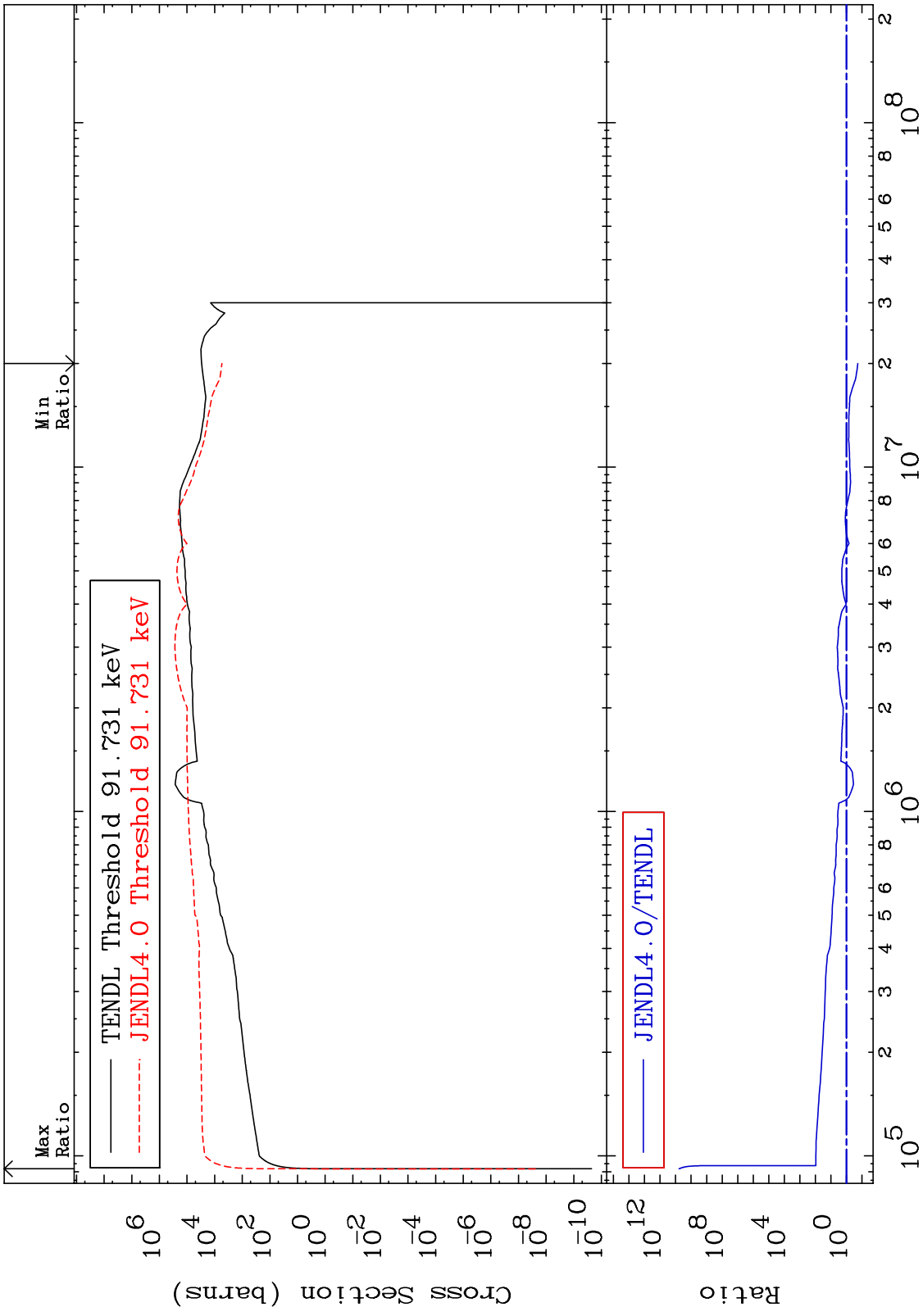
61-Pm-147
-97.27 To 3127. %



MAT 6149 Kerma non-elastic (all but mt2) 61-Pm-147
 -70.67 To 9999. %
 Cross Section



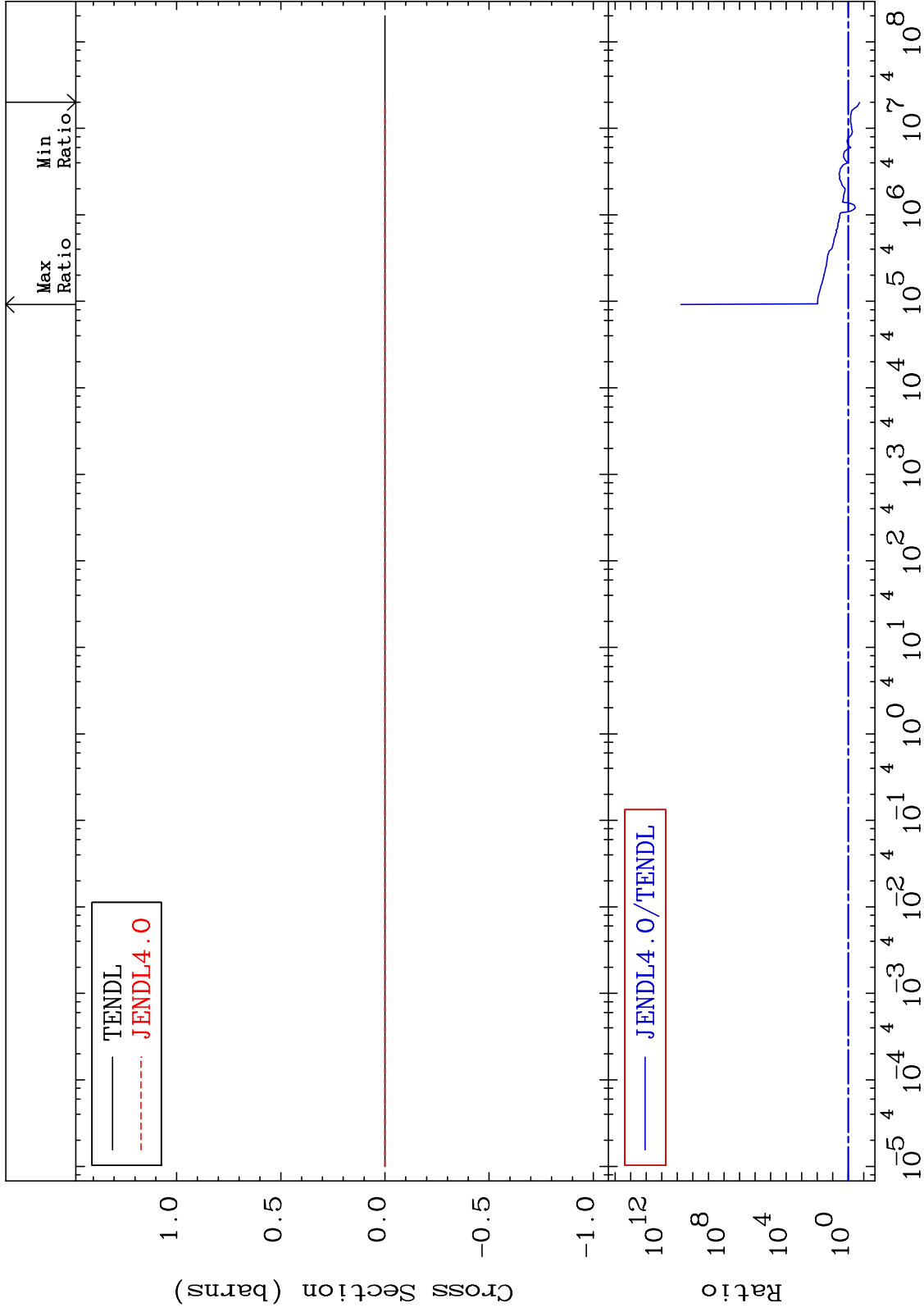
MAT 6149 Kerma inelastic (mt51-91) 61-Pm-147
 Cross Section -81.59 To 9999. %



MAT 6149

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

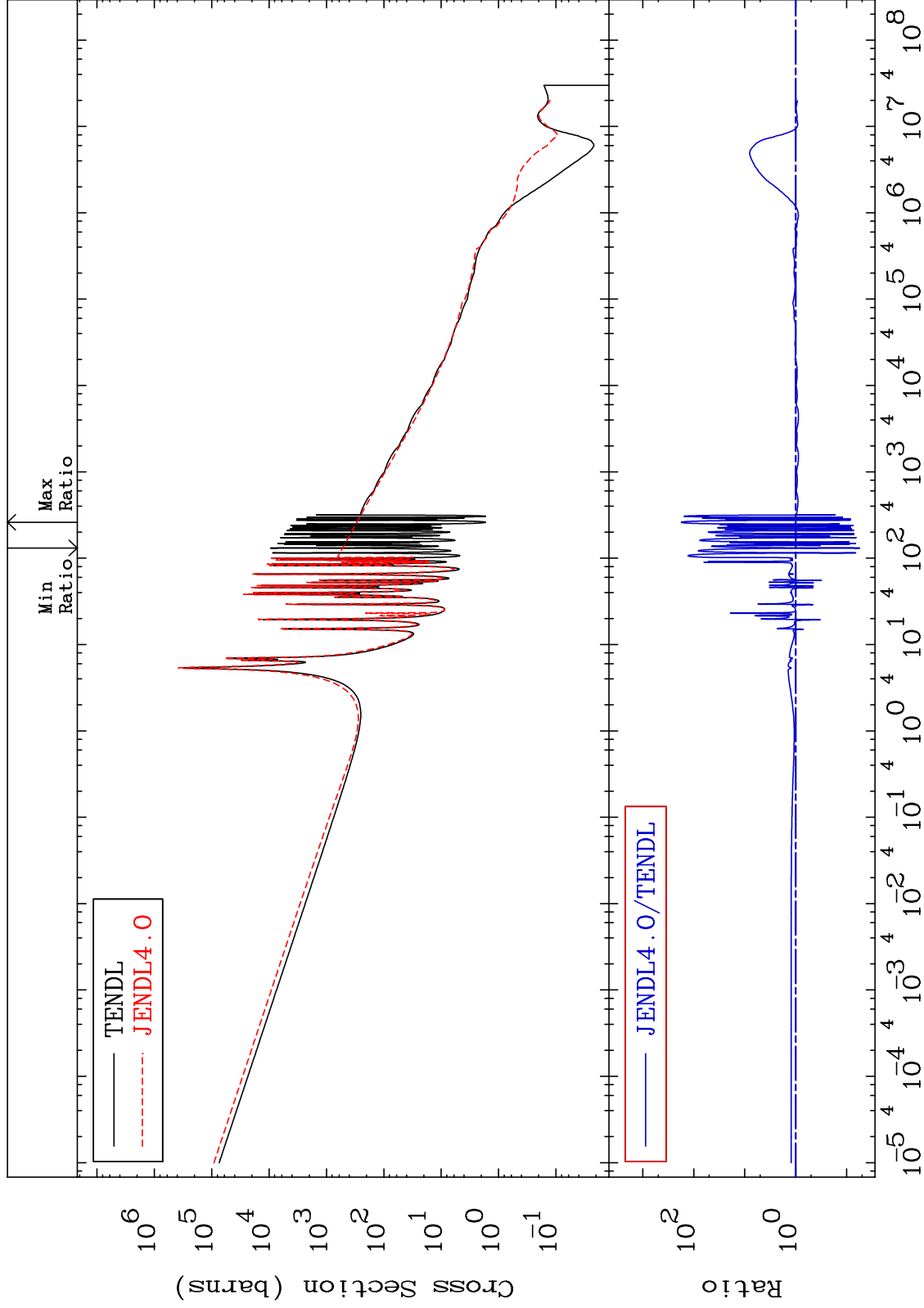
61-Pm-147
-81.59 To 9999. %



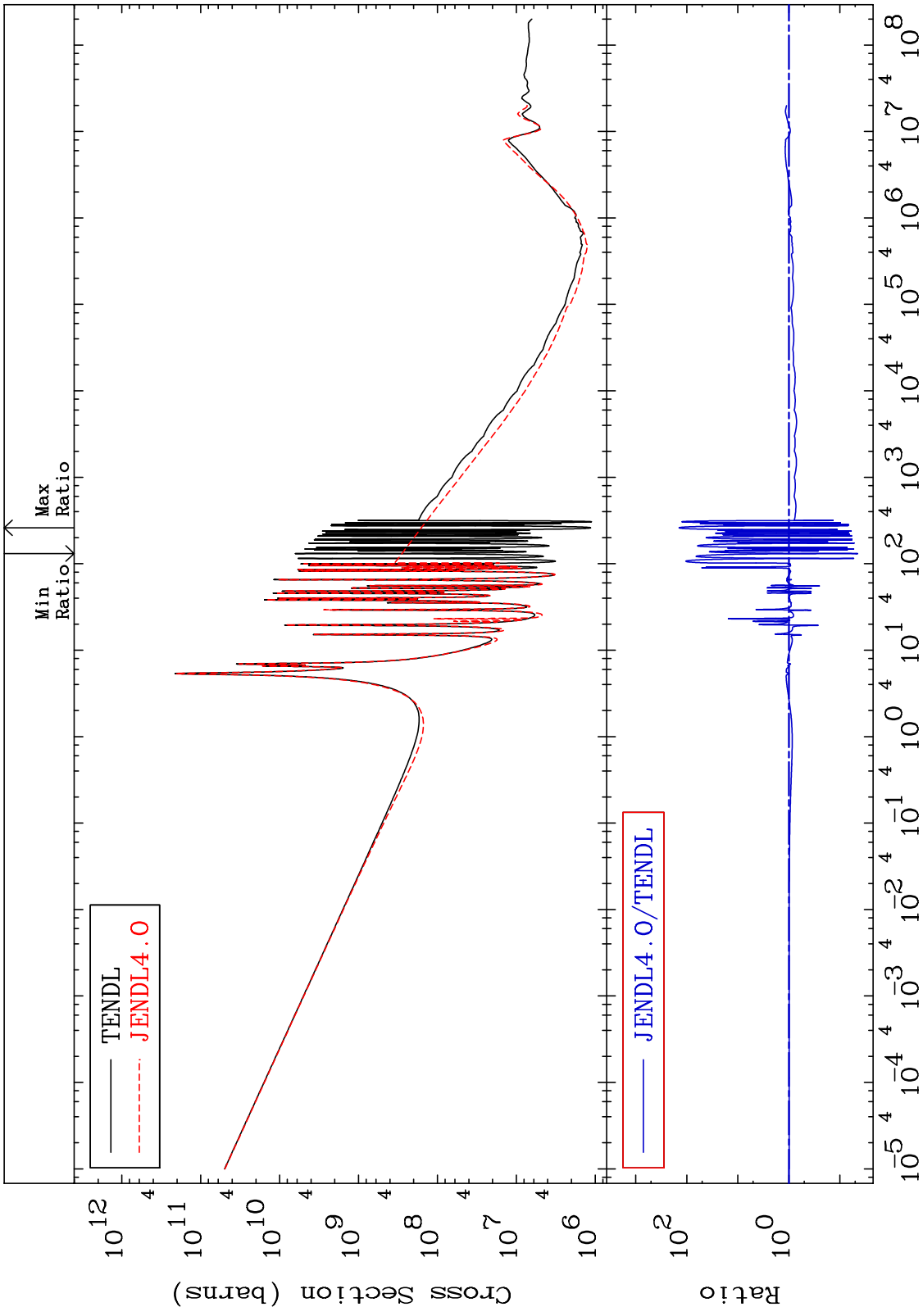
MAT 6149

Kerma capture (mt102)
Cross Section

61-Pm-147
-94.46 To 9999. %

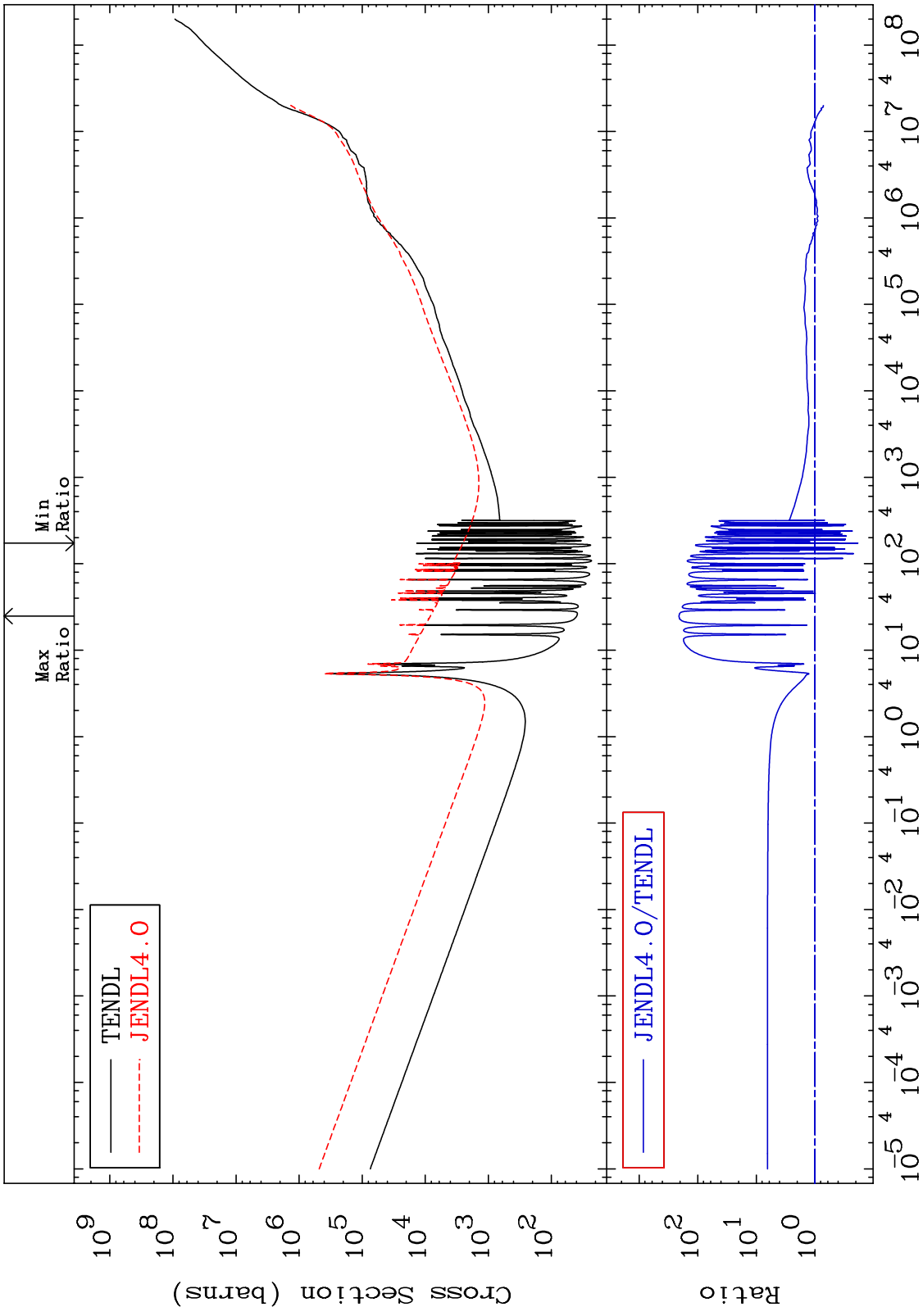


MAT 6149 Total photon (eV-barns) Cross Section 61-Pm-147 -95.55 To 9999. %

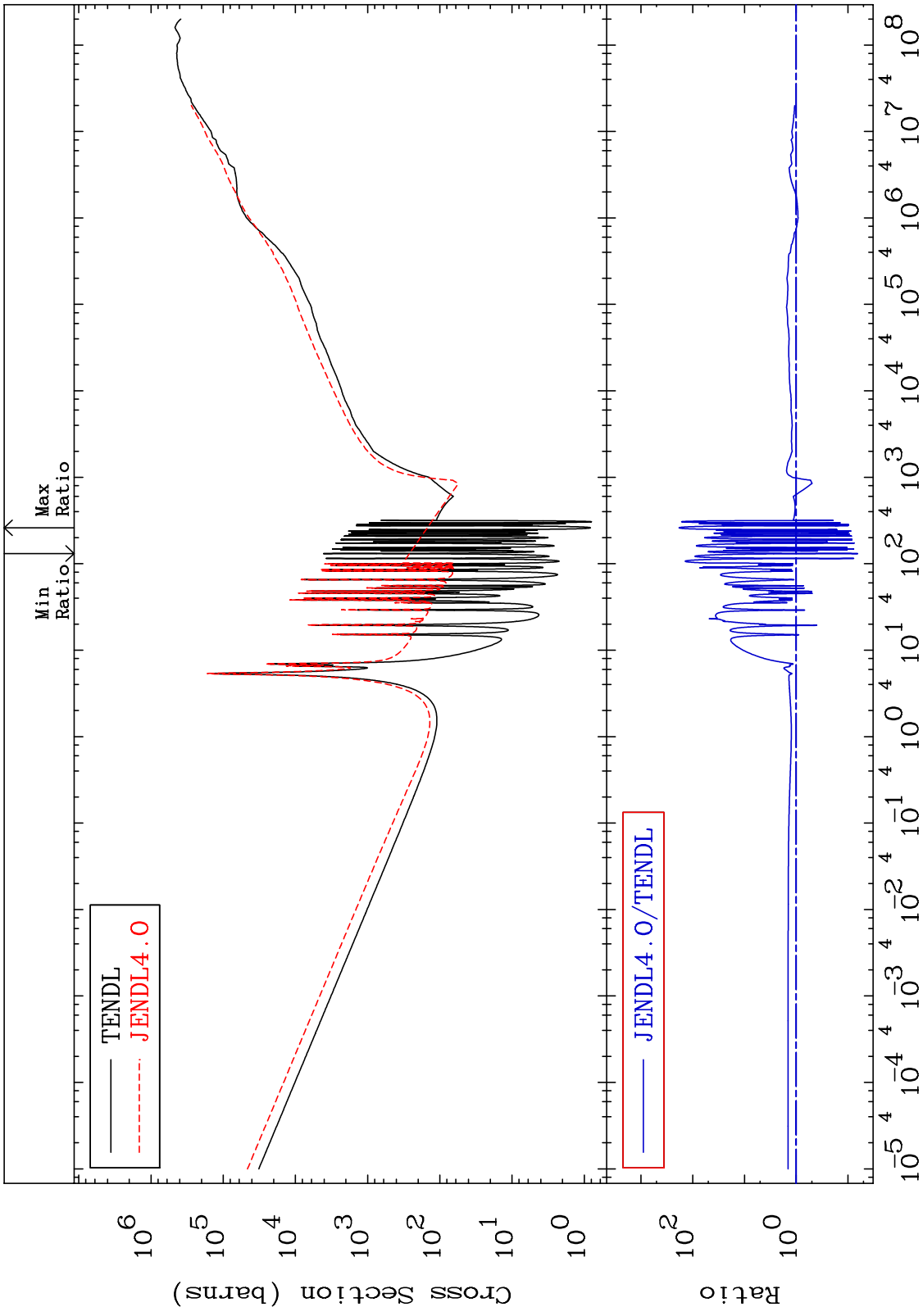


47 61-Pm-147

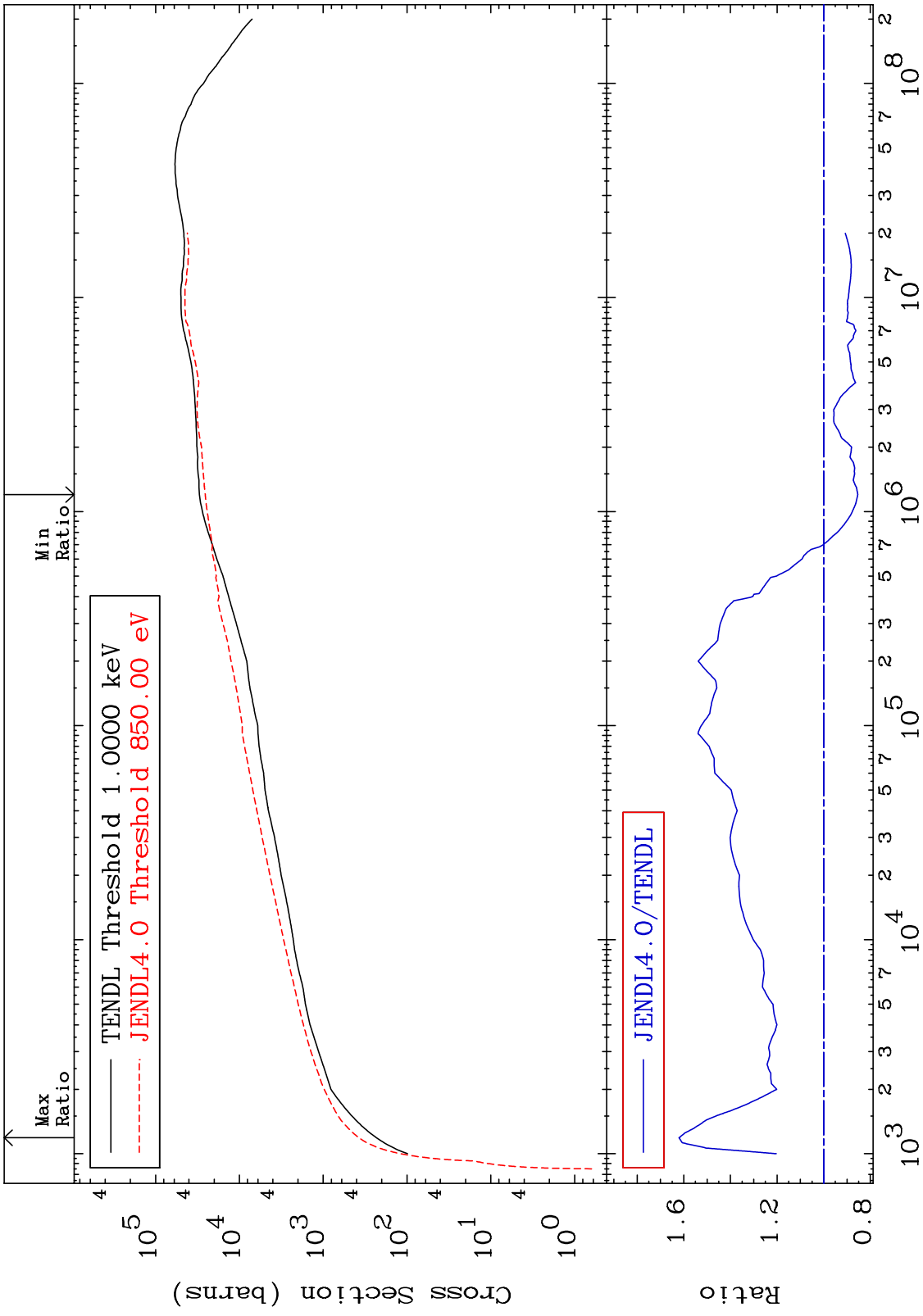
MAT 6149 Total kinematic kerma (high limit) 61-Pm-147
 Cross Section -81.54 To 9999. %



MAT 6149 Dpa total (eV-barns) 61-Pm-147
 Cross Section -93.55 To 9999. %

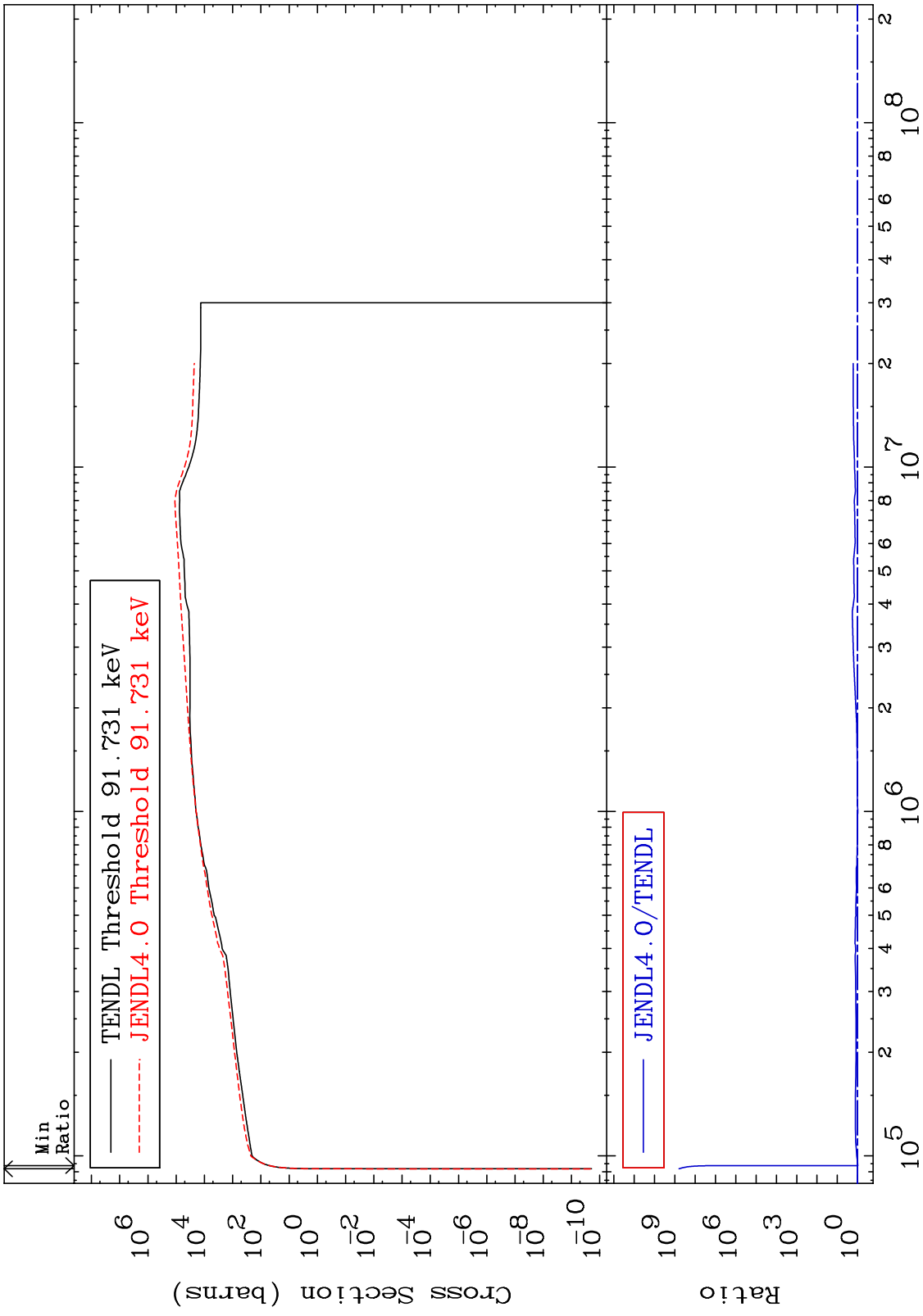


MAT 6149 61-Pm-147
Dpa elastic (mt2) -14.64 To 62.03 %
Cross Section



50 Incident Energy (eV) 61-Pm-147

MAT 6149 Dpa inelastic (mt51-91) 61-Pm-147
 Cross Section -2.293 To 9999. %



MAT 6149 Dpa disappearance (mt102 -120) 61-Pm-147
 Cross Section -93.55 To 9999. %

