

Program Complot
(Version 2018-1)

by

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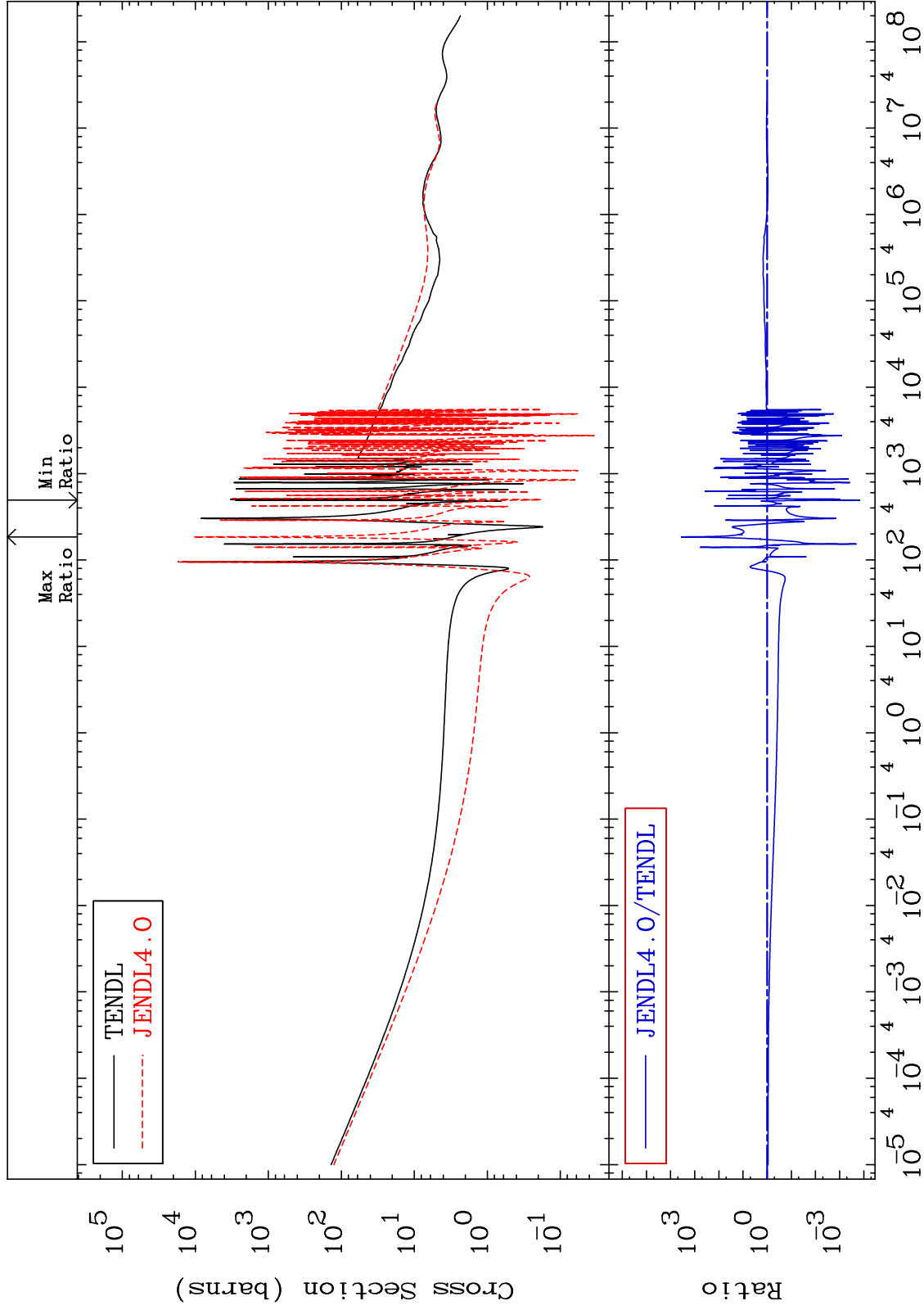
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6237

Total
Cross Section

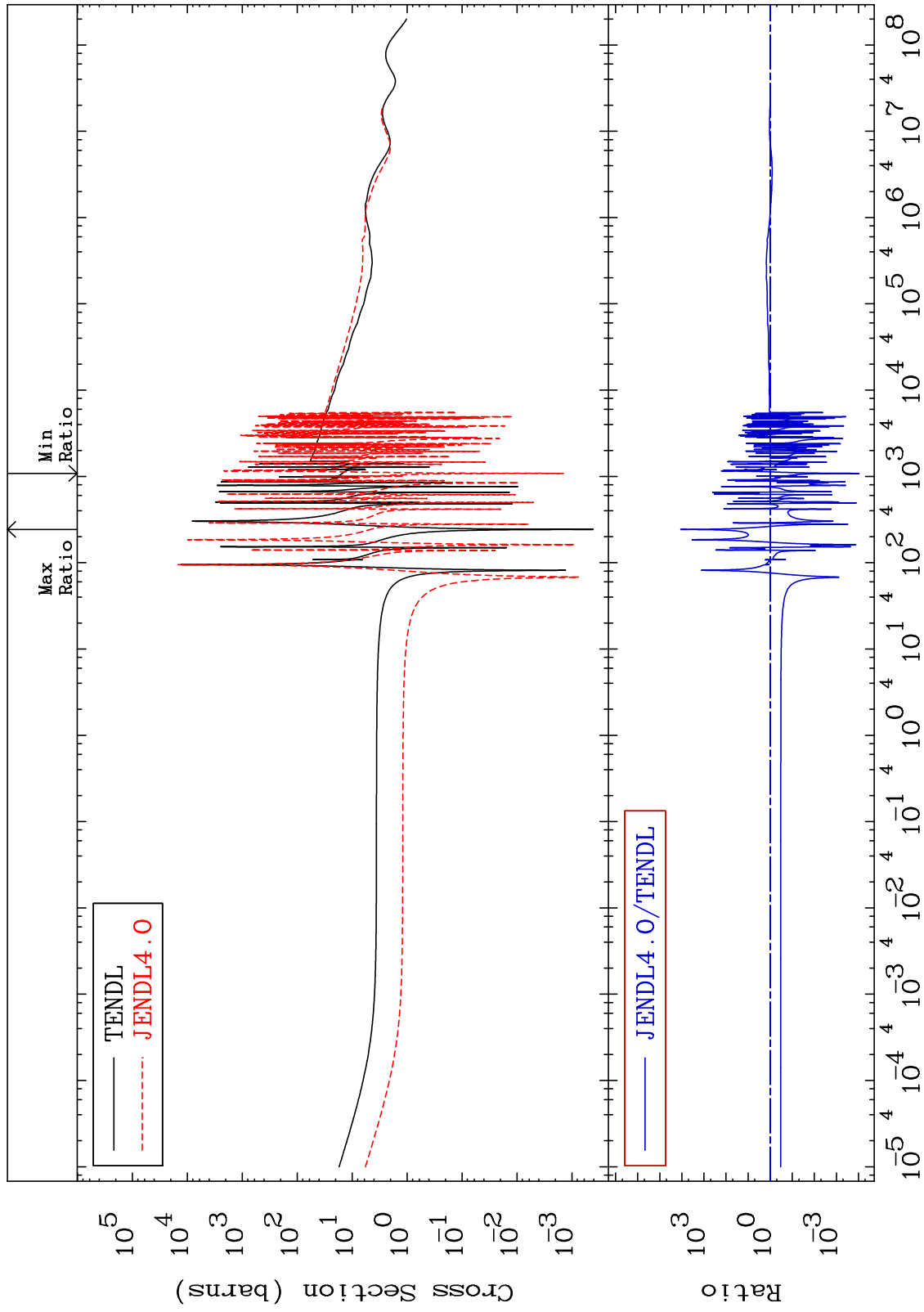
62-Sm-148
-99.99 To 9999. %



MAT 6237

Elastic
Cross Section

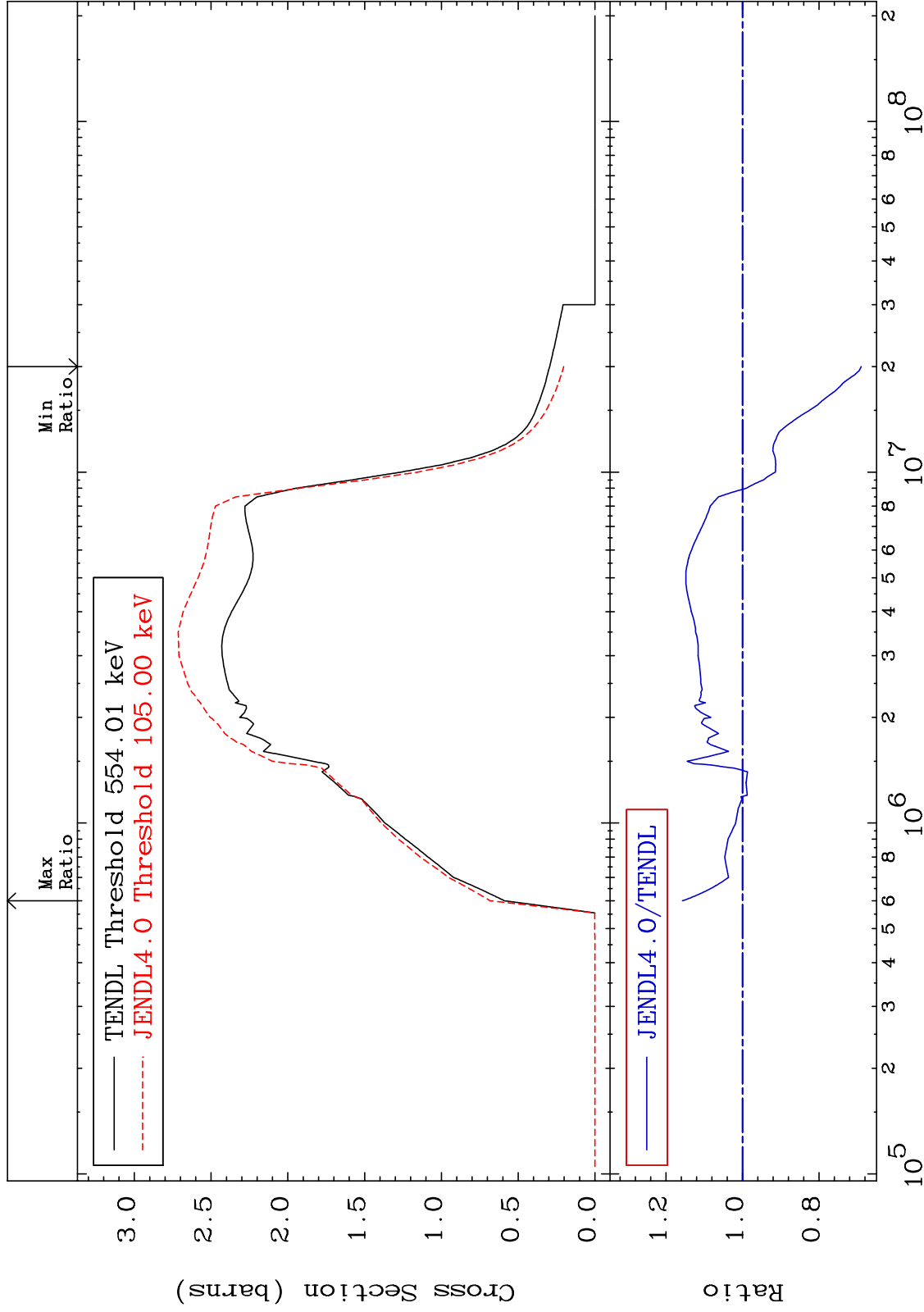
62-Sm-148
-99.99 To 9999. %



MAT 6237

Inelastic
Cross Section

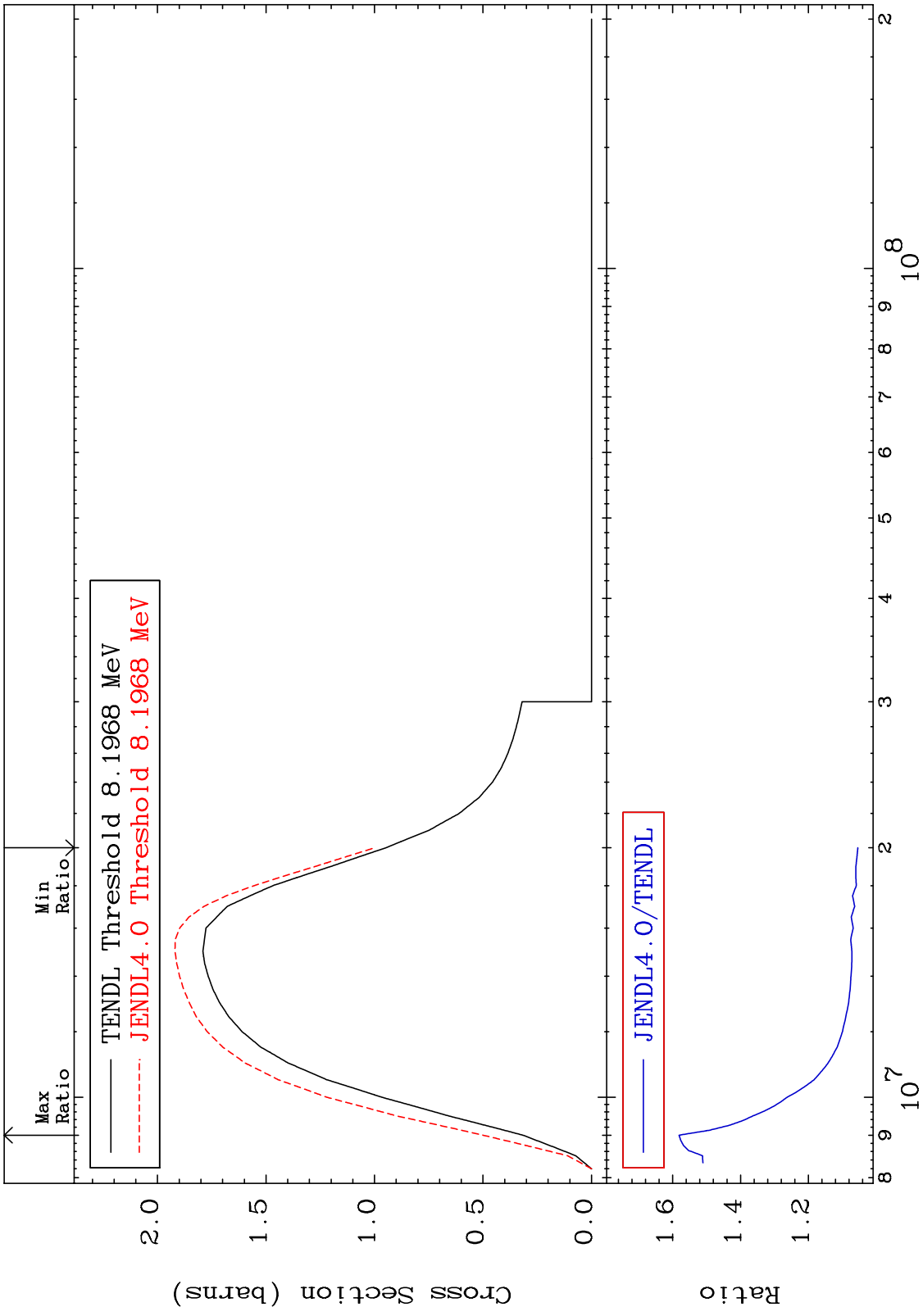
62-Sm-148
-31.04 To 15.68 %



Incident Energy (eV)

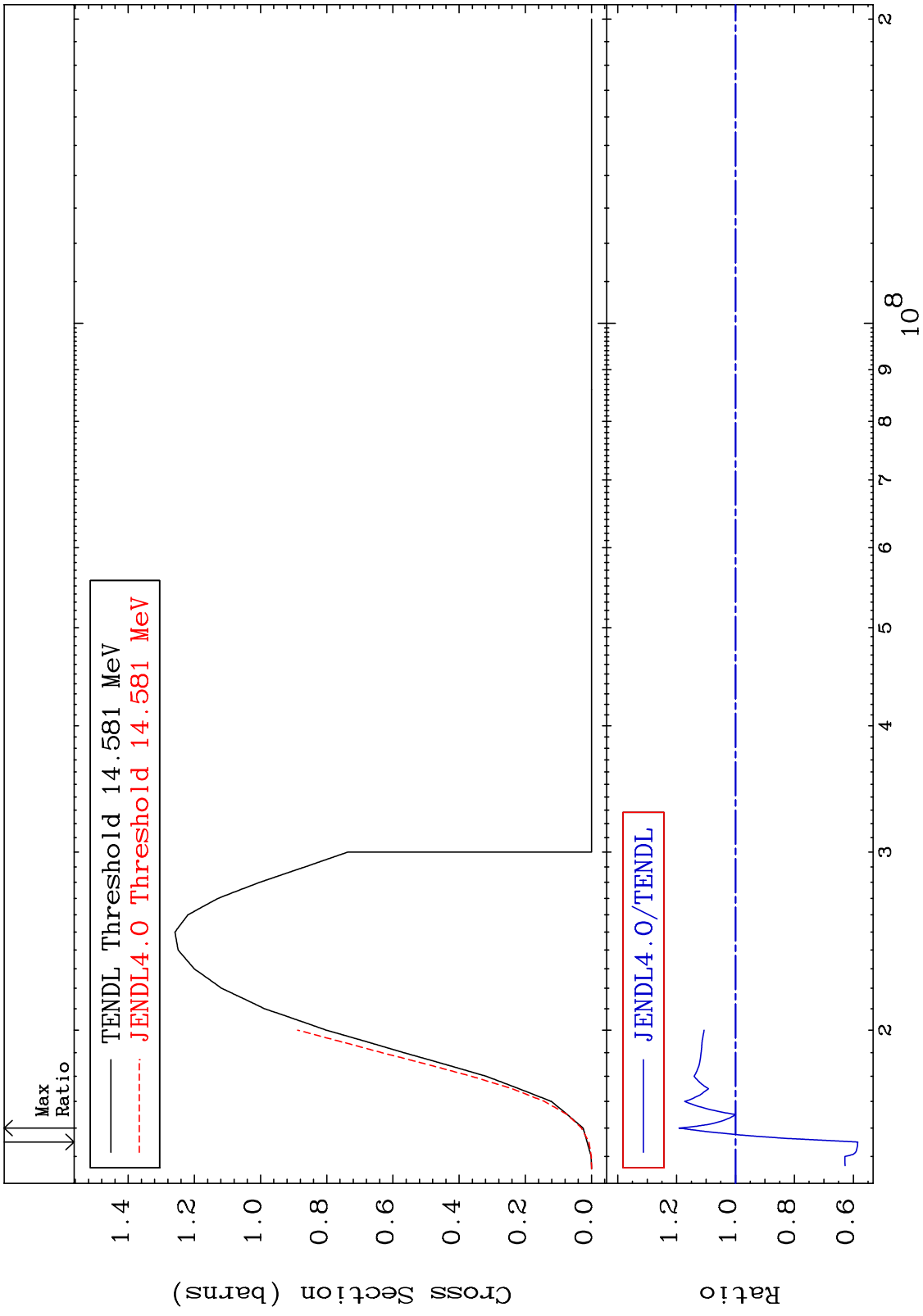
62-Sm-148

MAT 6237 (n,2n) Cross Section 62-Sm-148 To 58.13 %



4 62-Sm-148

MAT 6237 (n,3n) Cross Section 62-Sm-148 -41.54 To 19.18 %



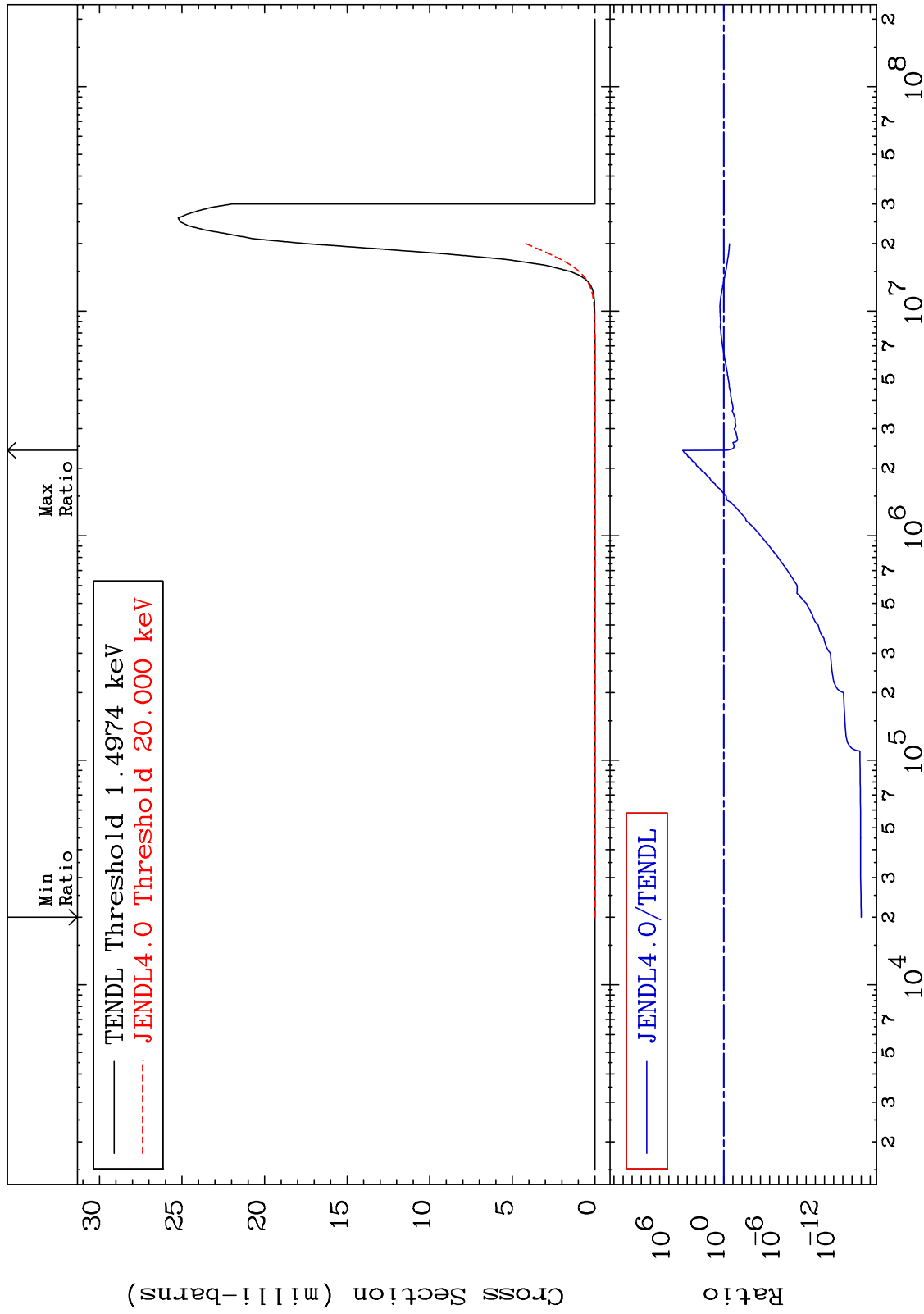
MAT 6237

(n,n') α

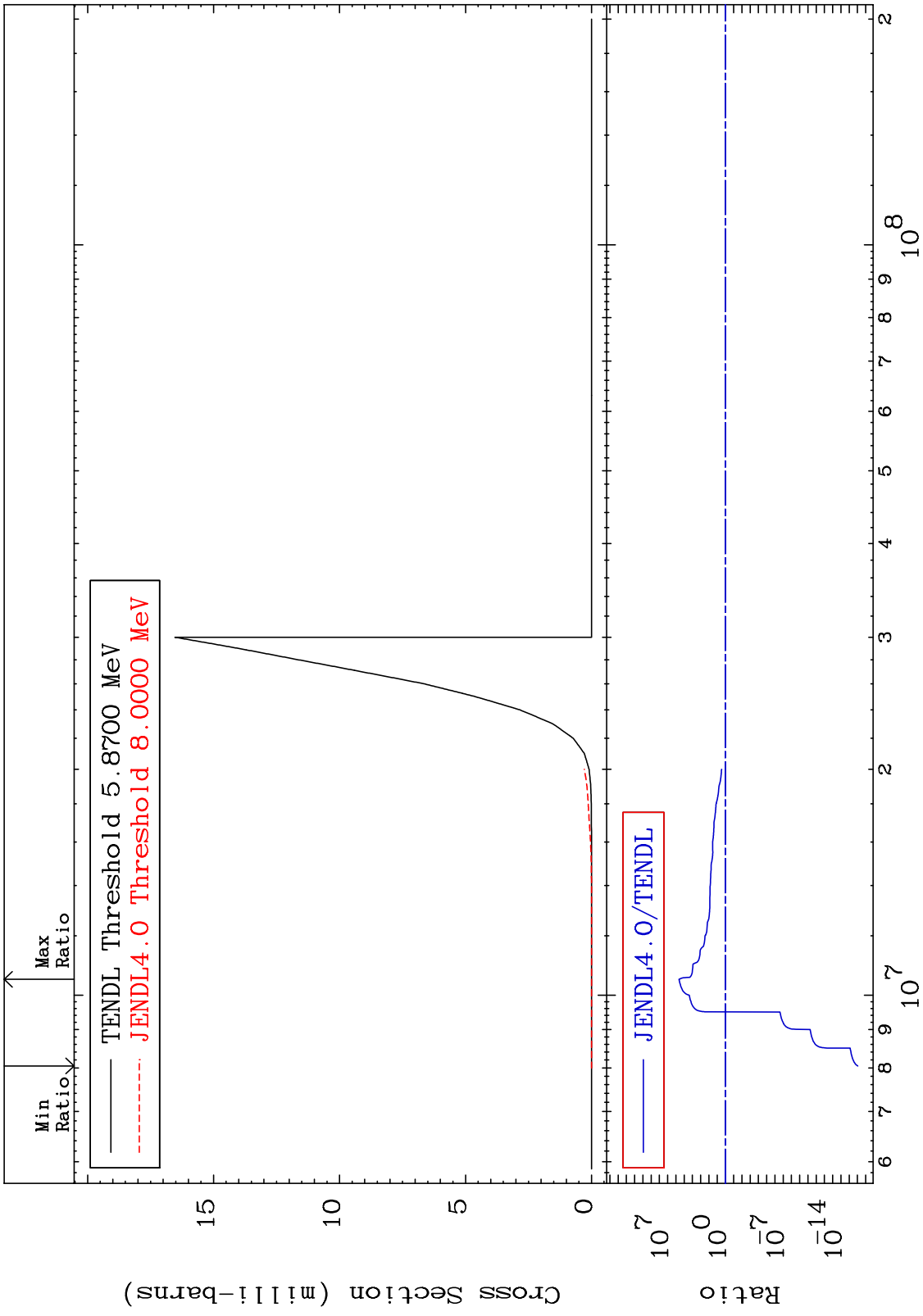
62-Sm-148

-100.0 To 9999. %

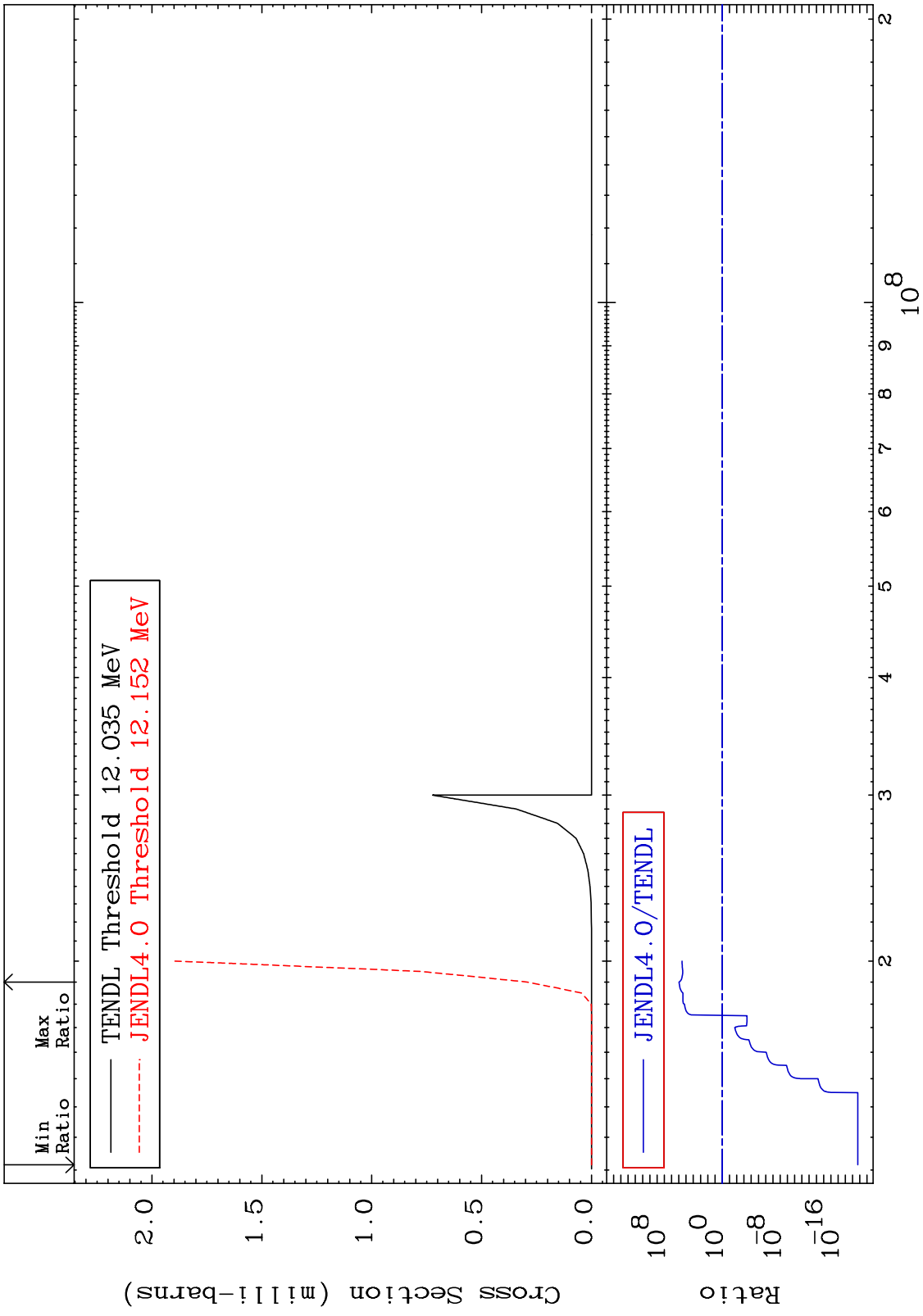
Cross Section



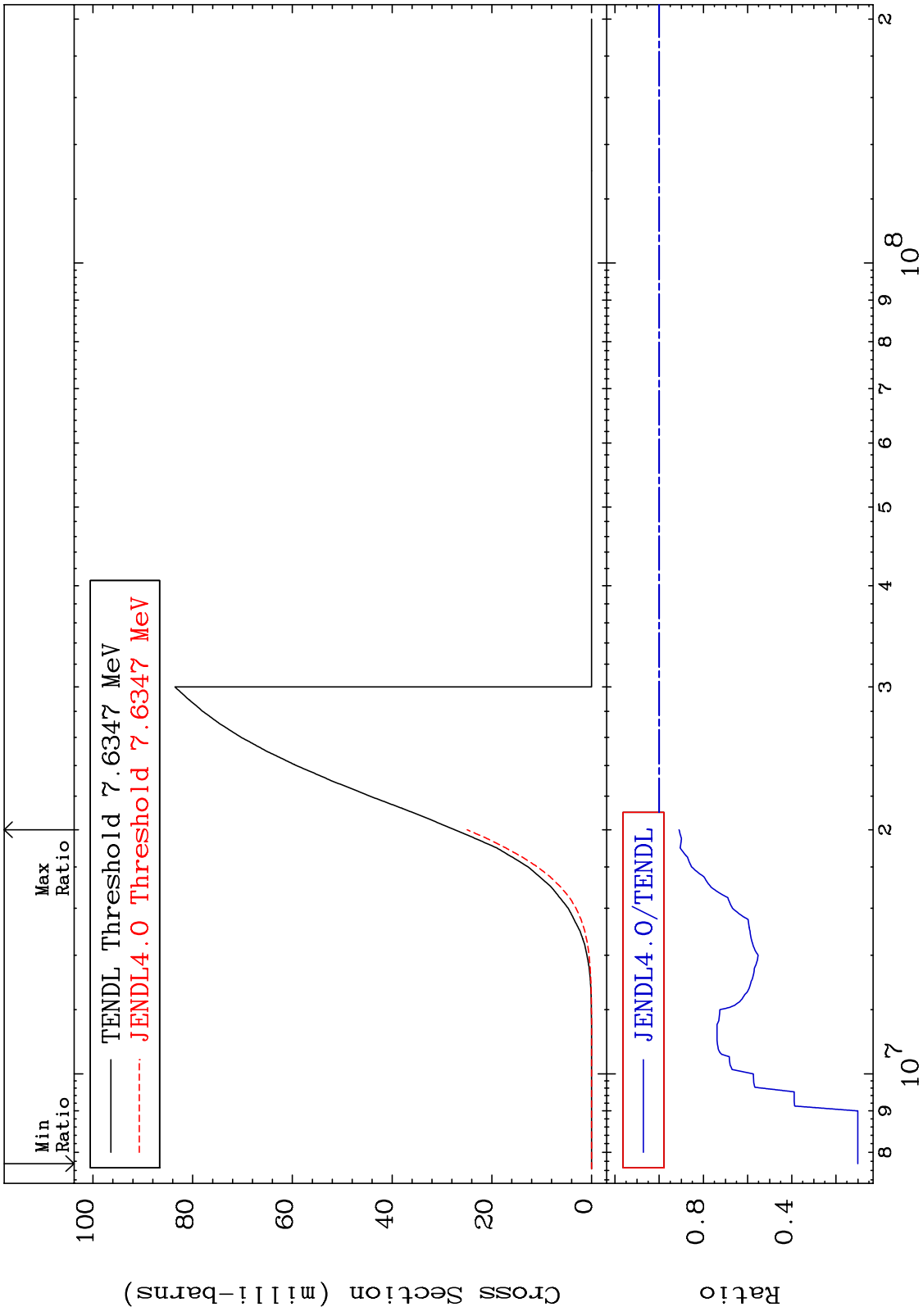
MAT 6237 (n,2n) α 62-Sm-148
 Cross Section -100.0 To 9999. %



7 6 7 8 9 10 2 3 4 5 6 7 8 9 10 8 2
 62-Sm-148



MAT 6237 $(n, n') p$ $^{62}\text{Sm}-148$
 Cross Section $-89.93 \text{ To } -8.990\%$



9 $^{62}\text{Sm}-148$

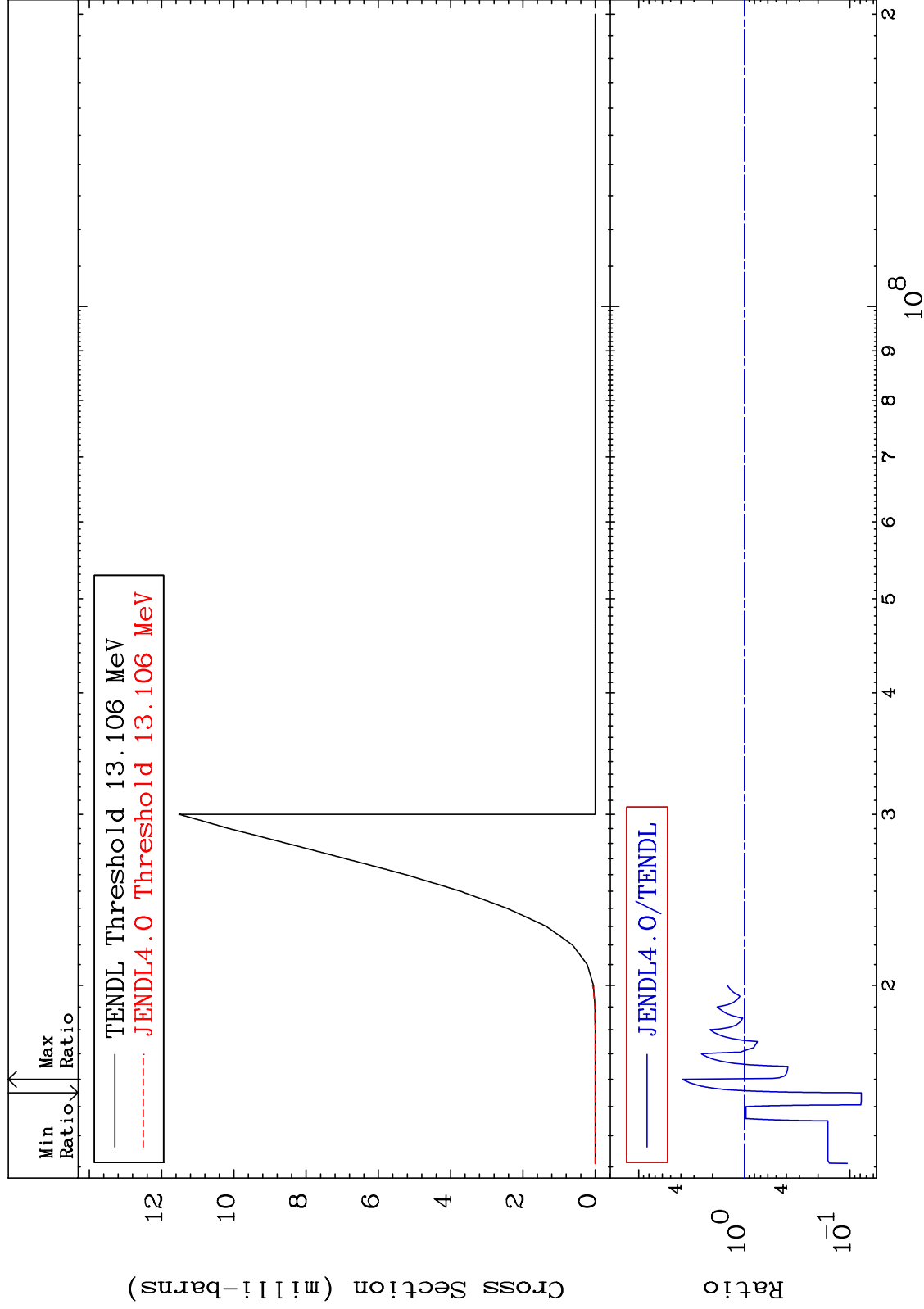
MAT 6237

(n,n') d

62-Sm-148

Cross Section

-92.21 To 283.8 %

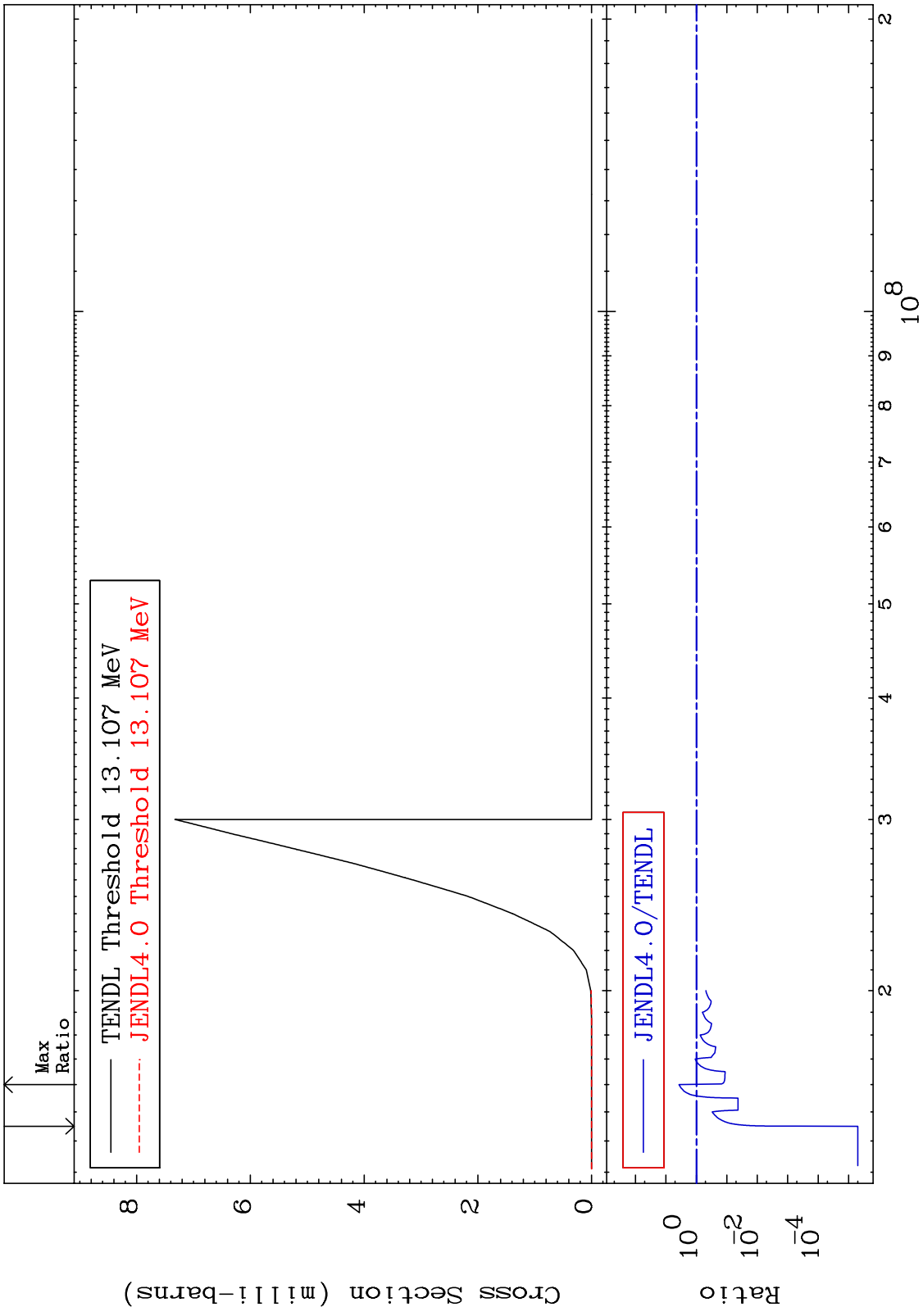


10

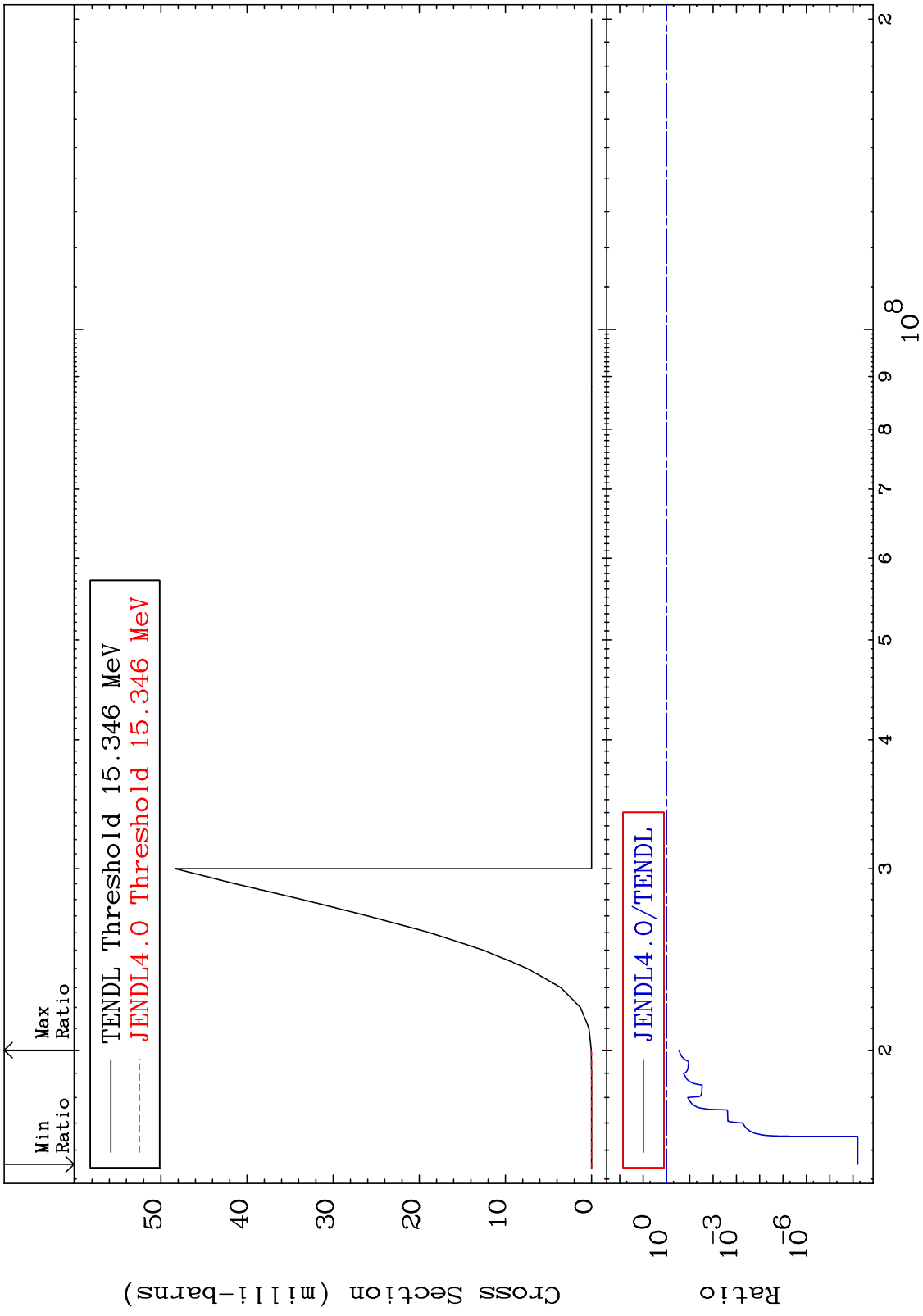
Incident Energy (eV)

62-Sm-148

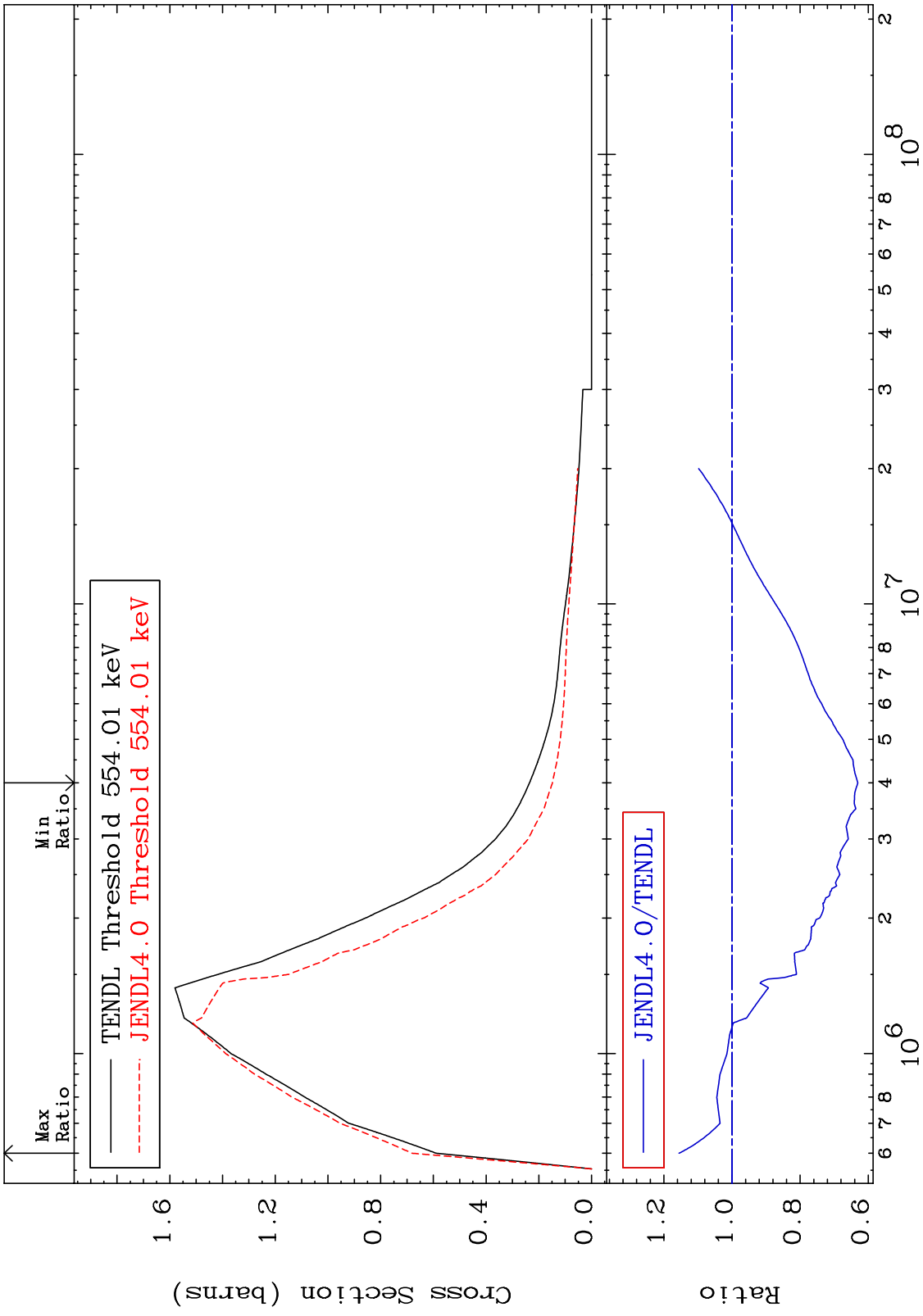
MAT 6237 (n,n') t 62-Sm-148
 Cross Section -100.0 To 270.3 %



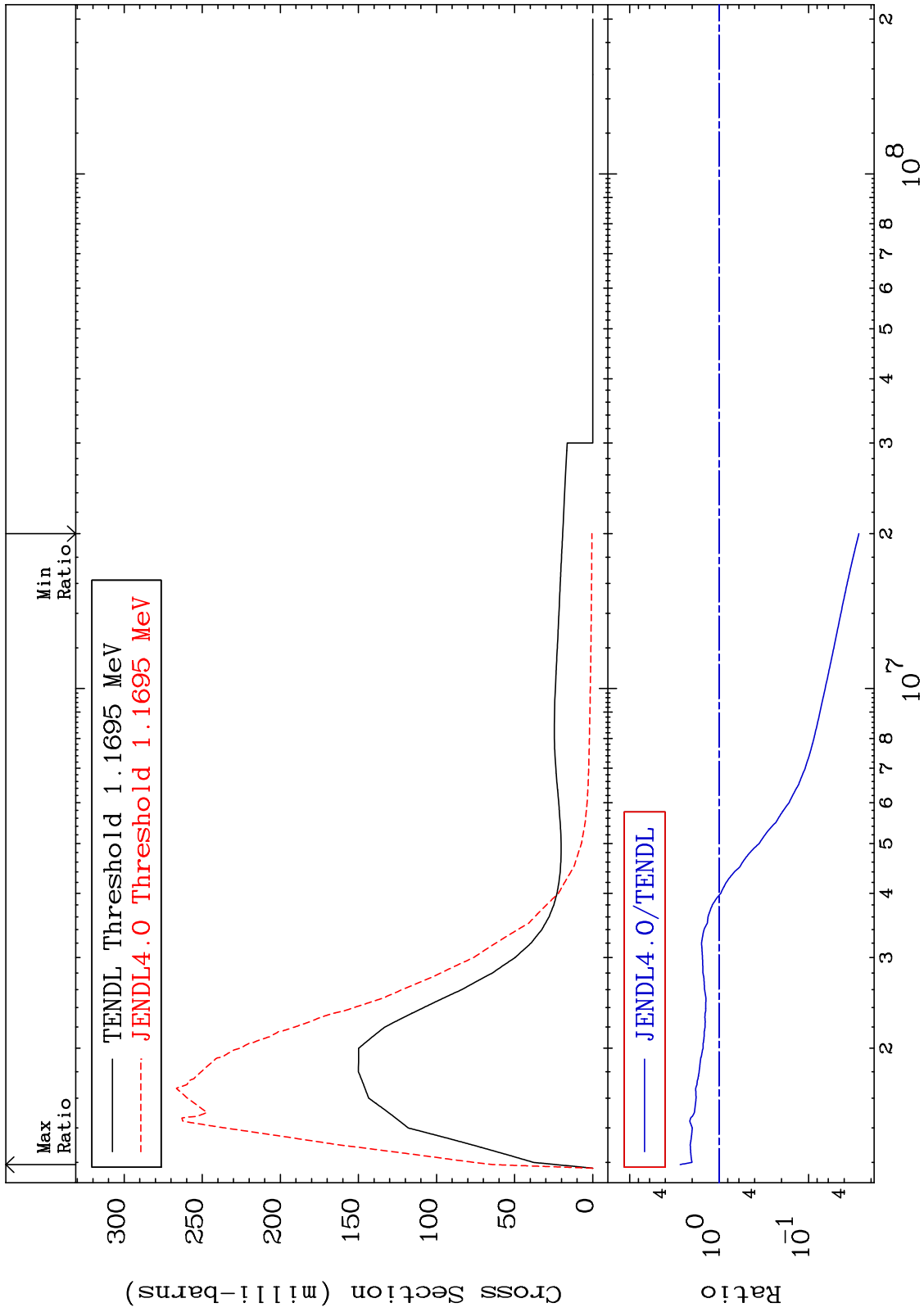
MAT 6237 (n,2n) p 62-Sm-148
 Cross Section -100.0 To -71.24%



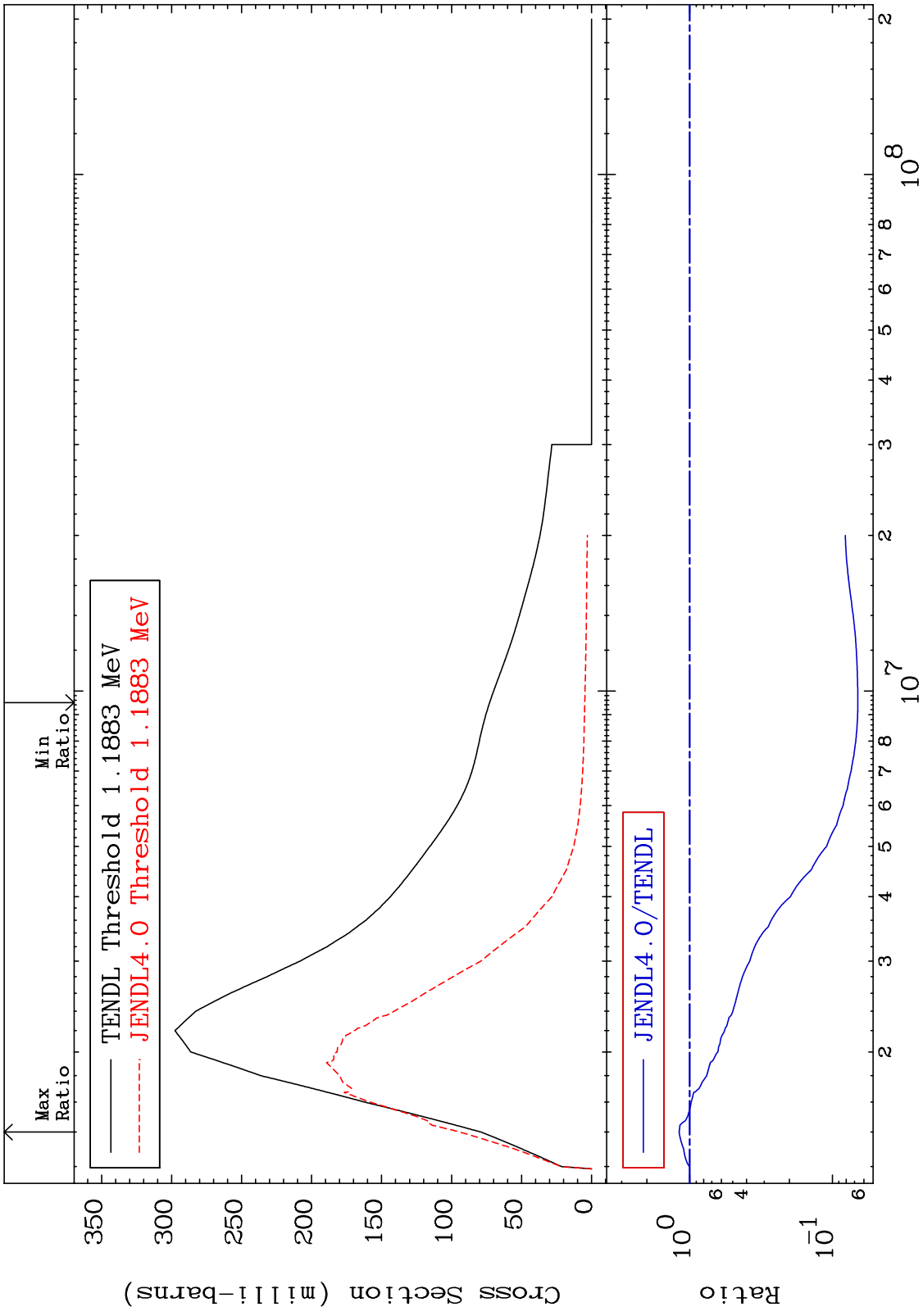
MAT 6237 MT= 51 (n,n') Level Cross Section 62-Sm-148
 -36.93 To 15.55 %



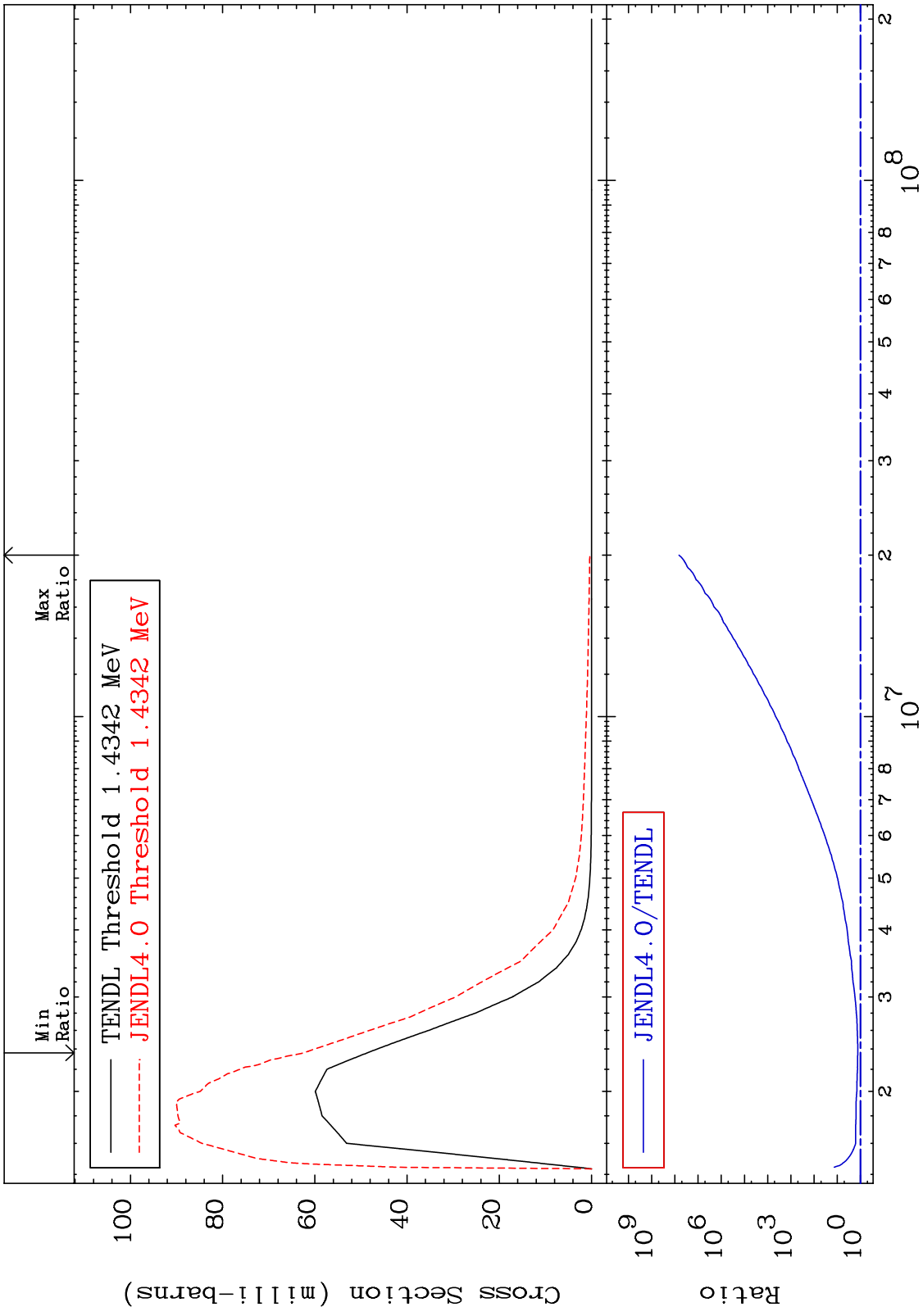
MAT 6237 MT= 52 (n,n') Level Cross Section 62-Sm-148 -97.27 To 172.0 %



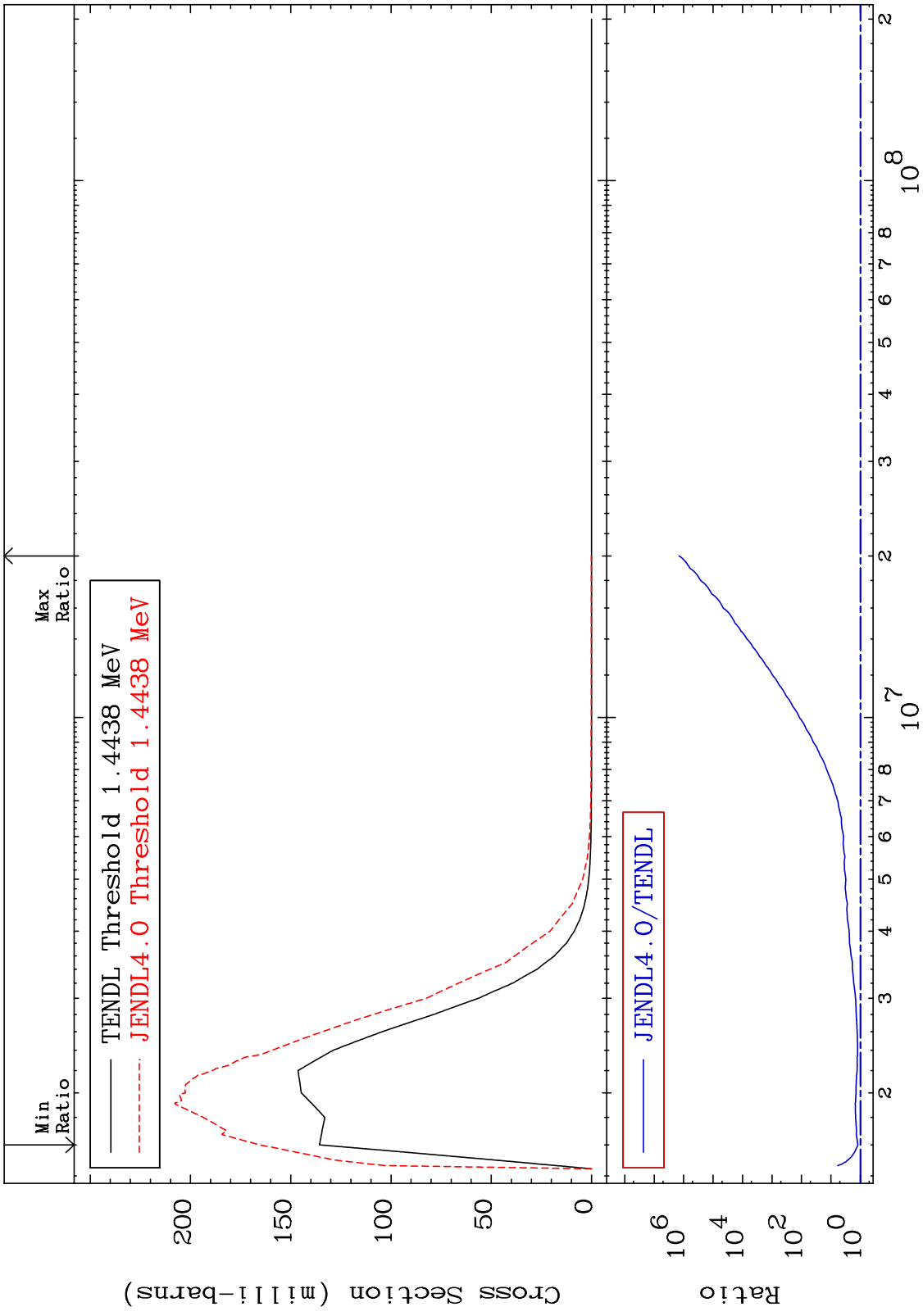
MAT 6237 MT= 53 (n,n') Level Cross Section 62-Sm-148
 -93.38 To 18.95 %



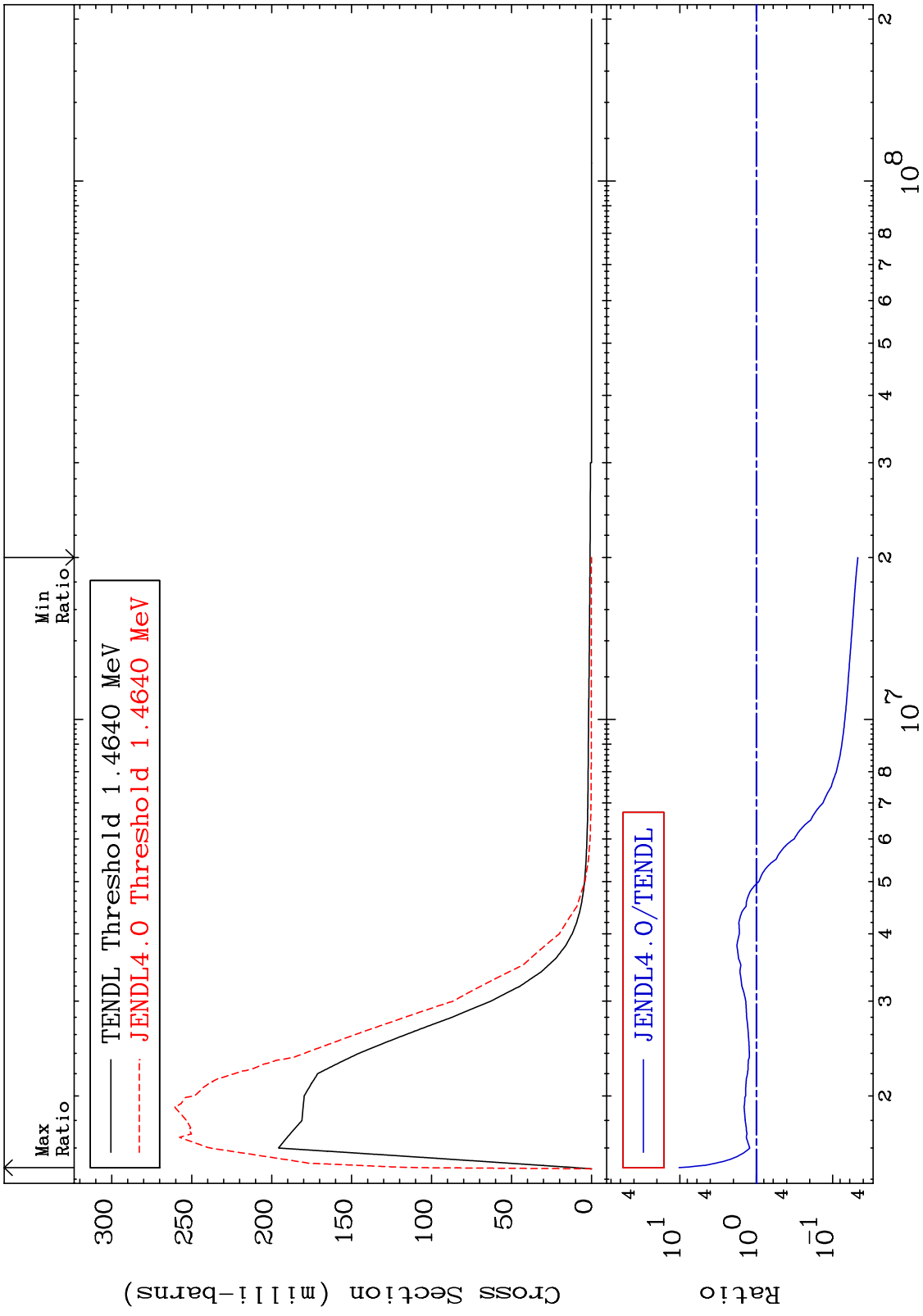
MAT 6237 MT= 54 (n,n') Level Cross Section 62-Sm-148 To 9999. %
 28.40



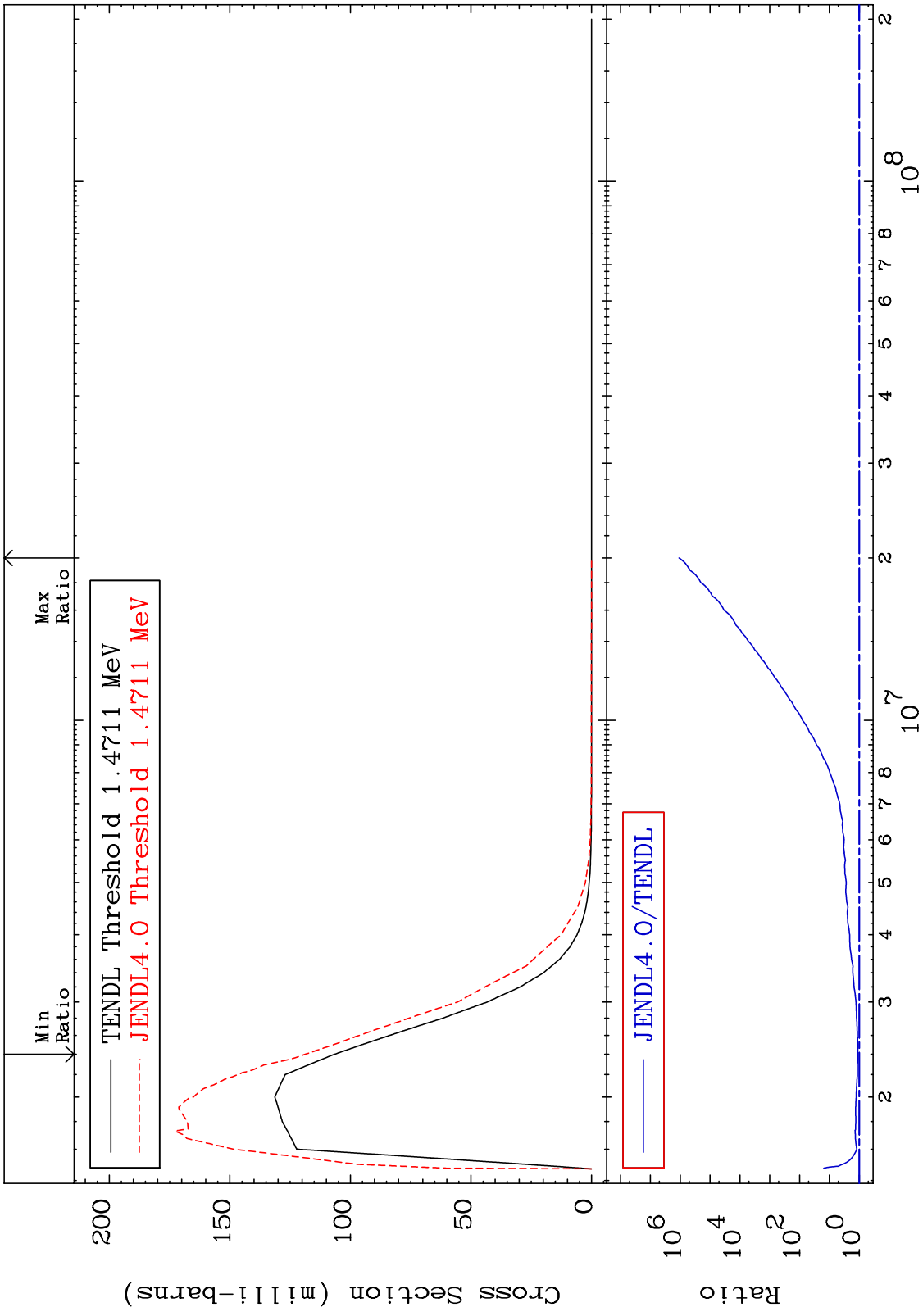
MAT 6237 MT= 55 (n,n') Level Cross Section 62-Sm-148 To 9999. %
 21.96



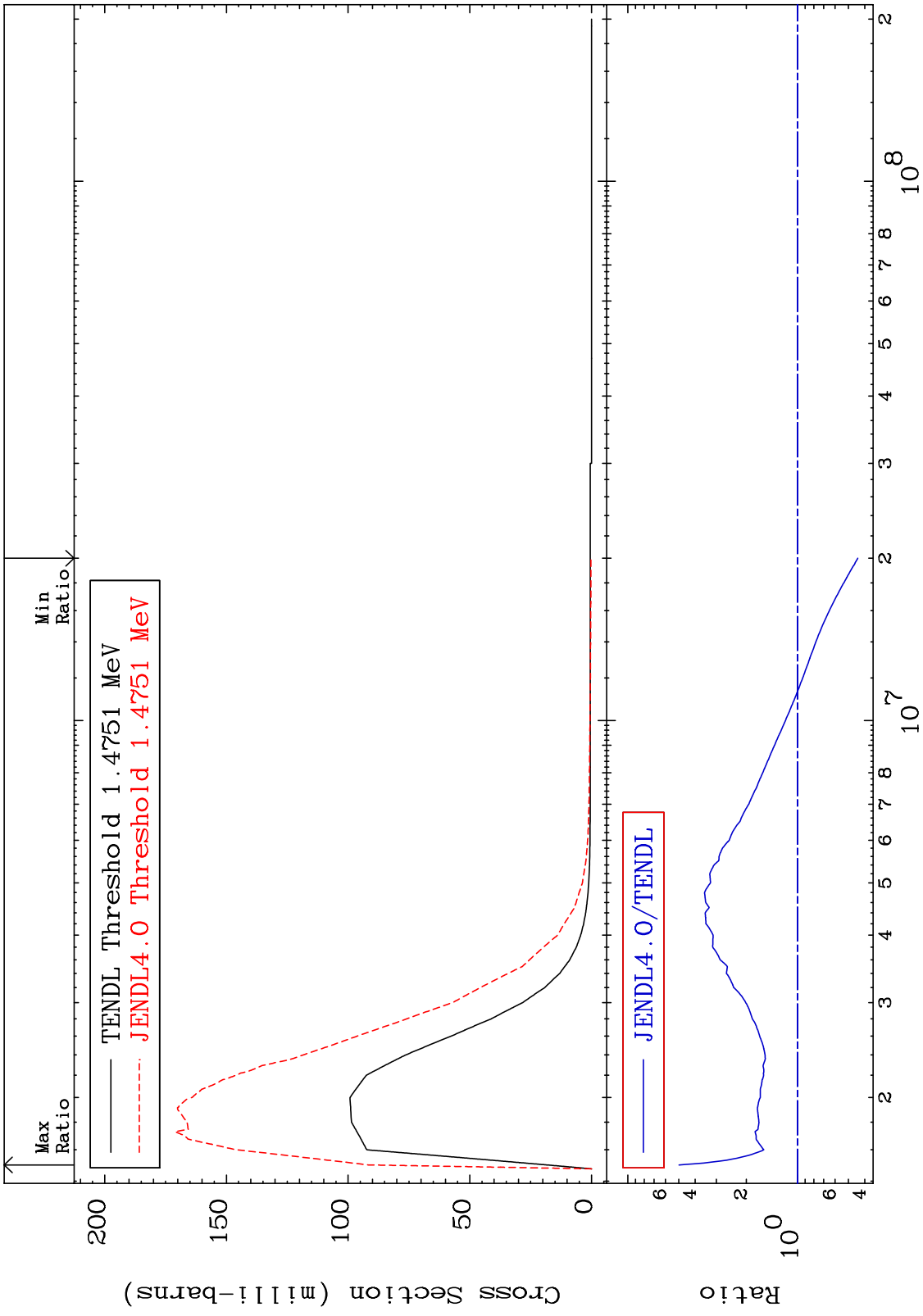
MAT 6237 MT= 56 (n,n') Level Cross Section 62-Sm-148 -95.31 To 926.6 %



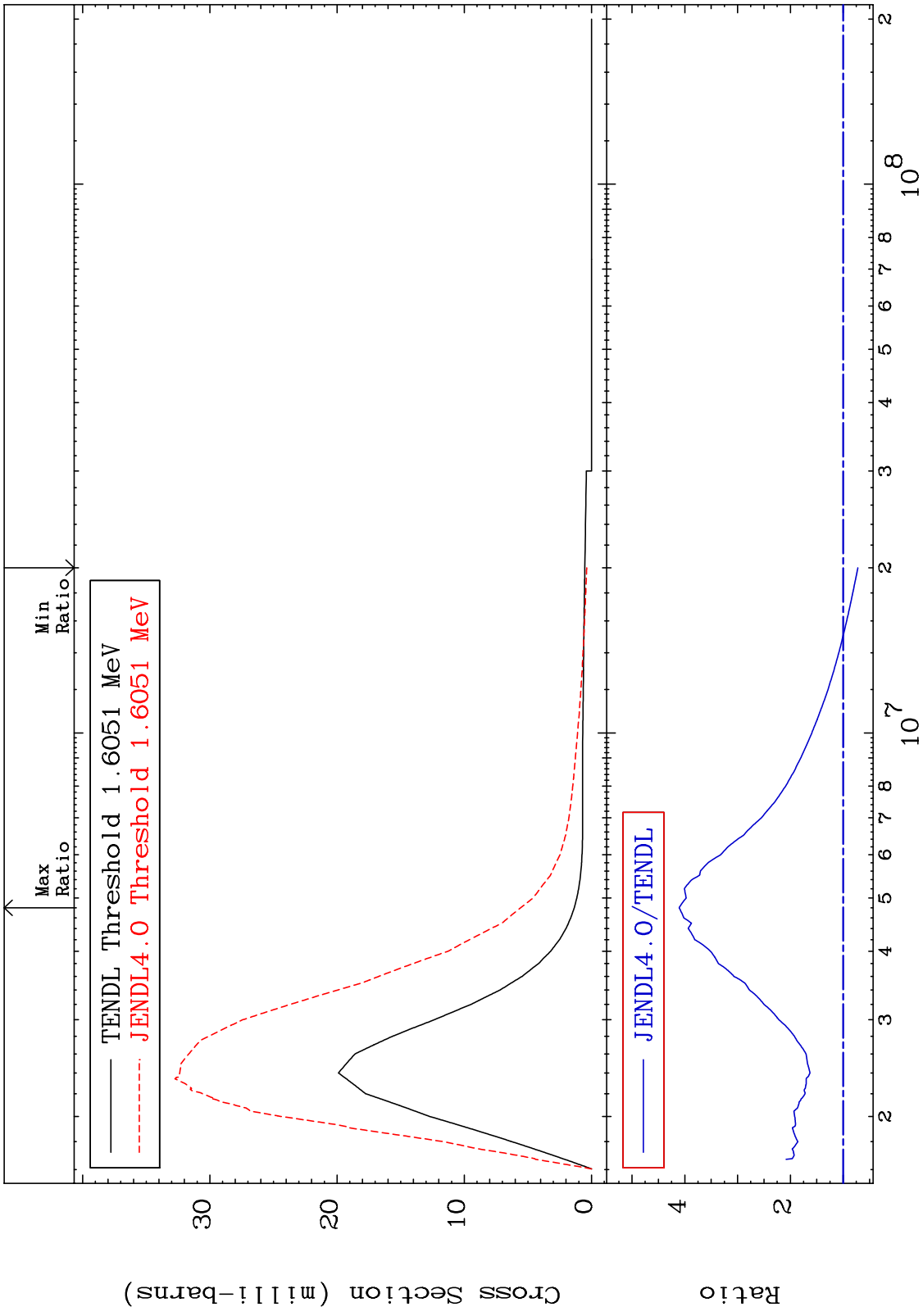
MAT 6237 MT= 57 (n,n') Level Cross Section 62-Sm-148 To 9999. %
 11.37



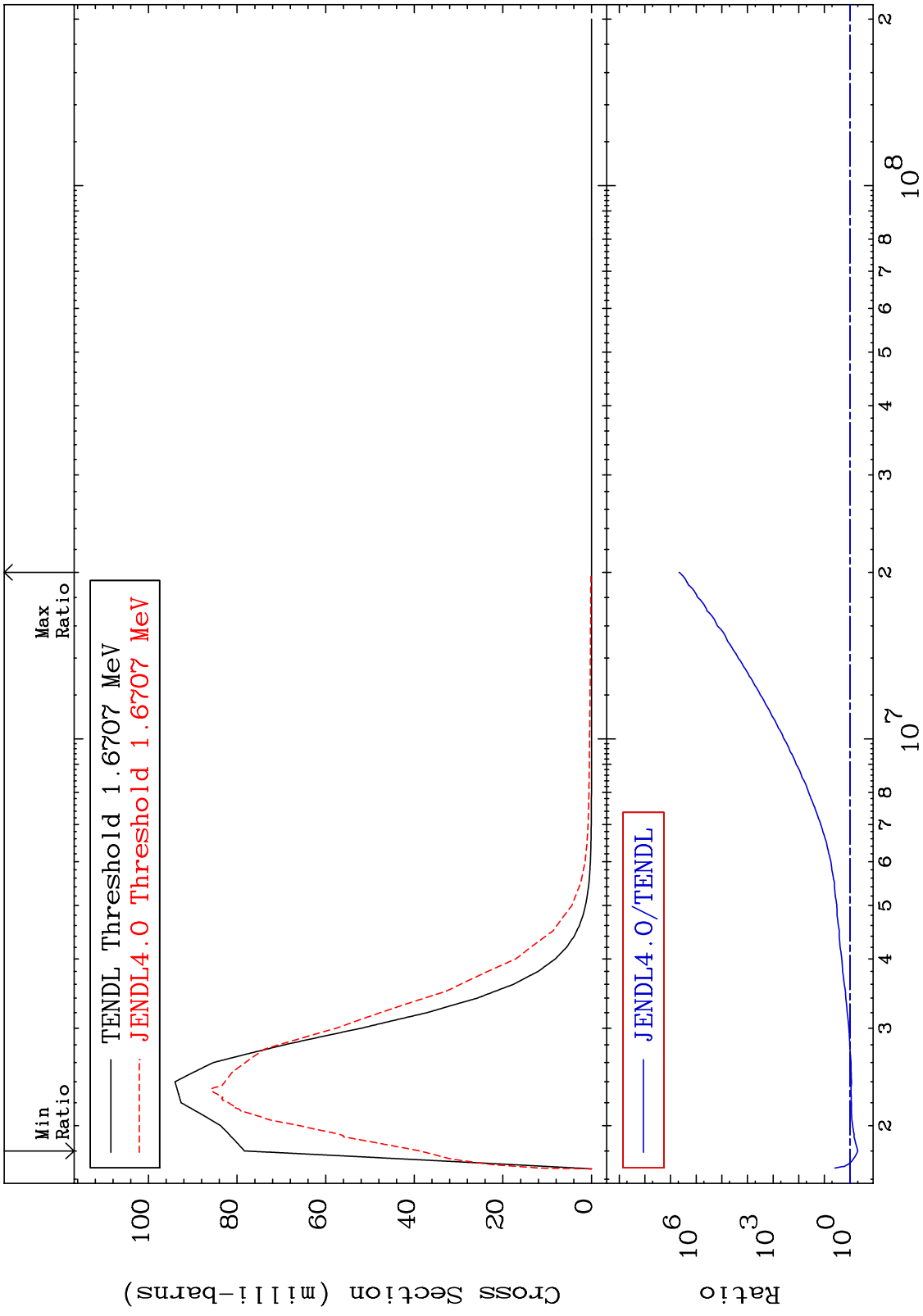
MAT 6237 MT= 58 (n,n') Level Cross Section 62-Sm-148
 -55.98 To 398.3 %



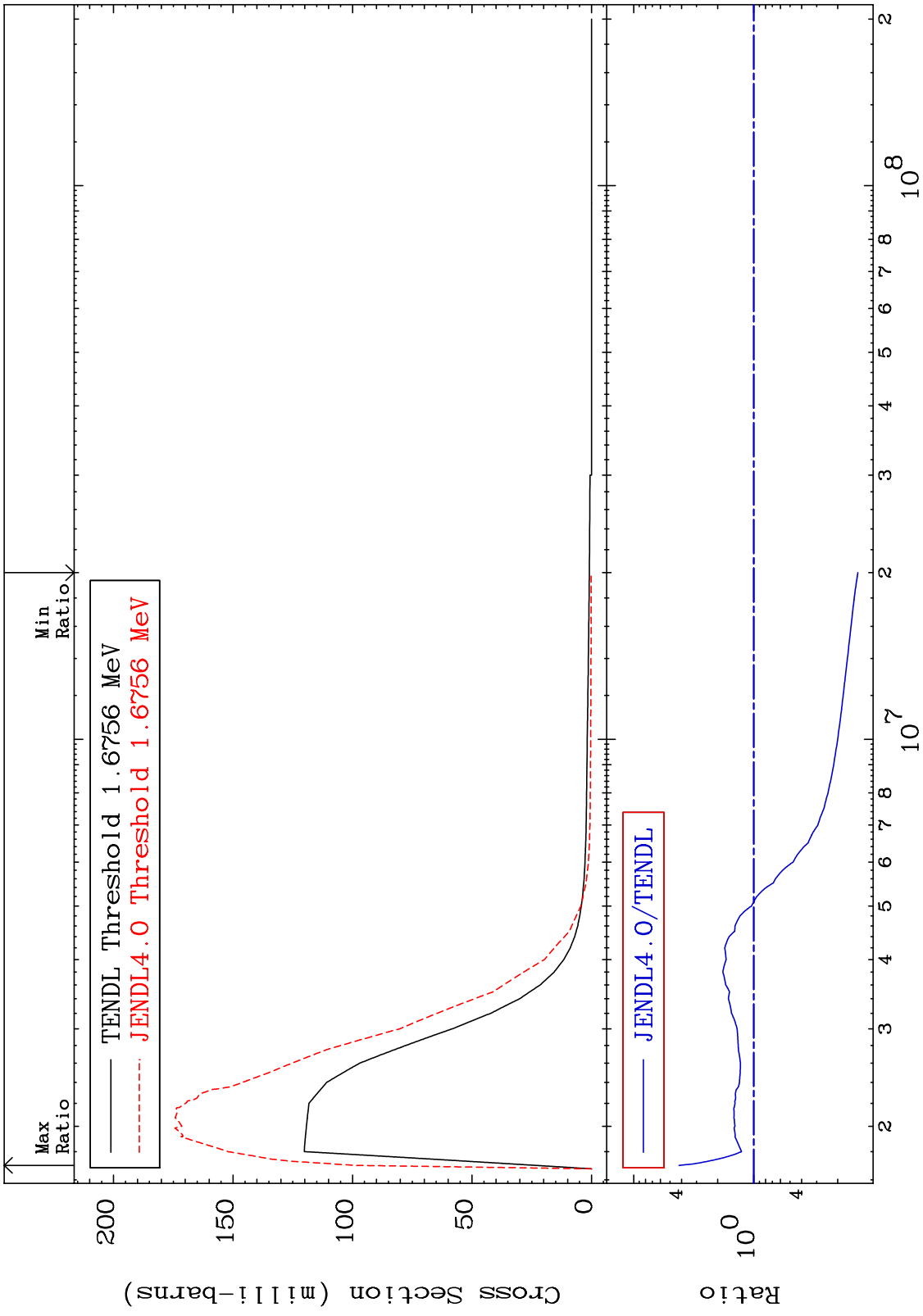
MAT 6237 MT= 59 (n,n') Level Cross Section 62-Sm-148 -27.83 To 310.9 %



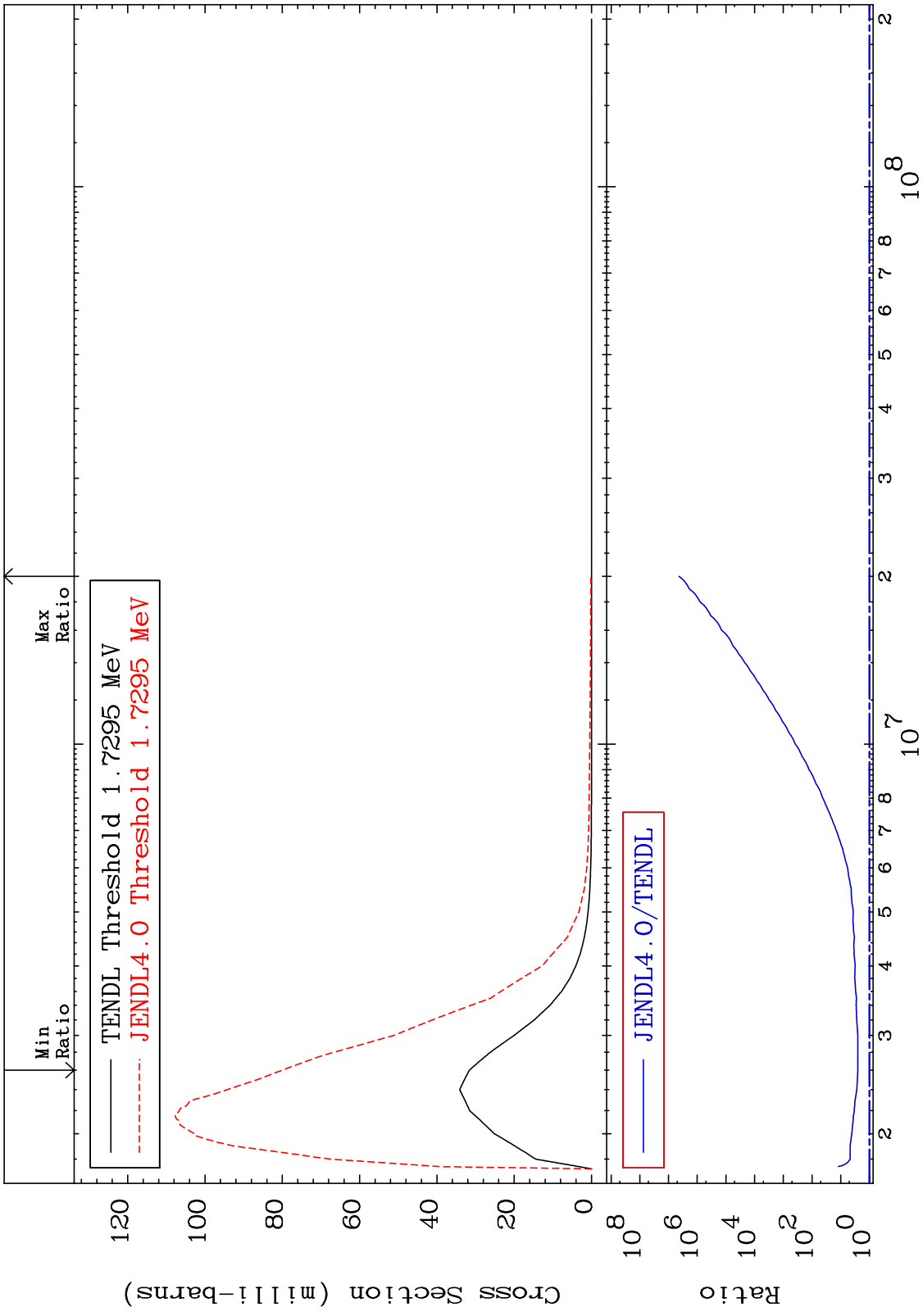
MAT 6237 MT= 60 (n,n') Level Cross Section 62-Sm-148
 -50.57 To 9999. %



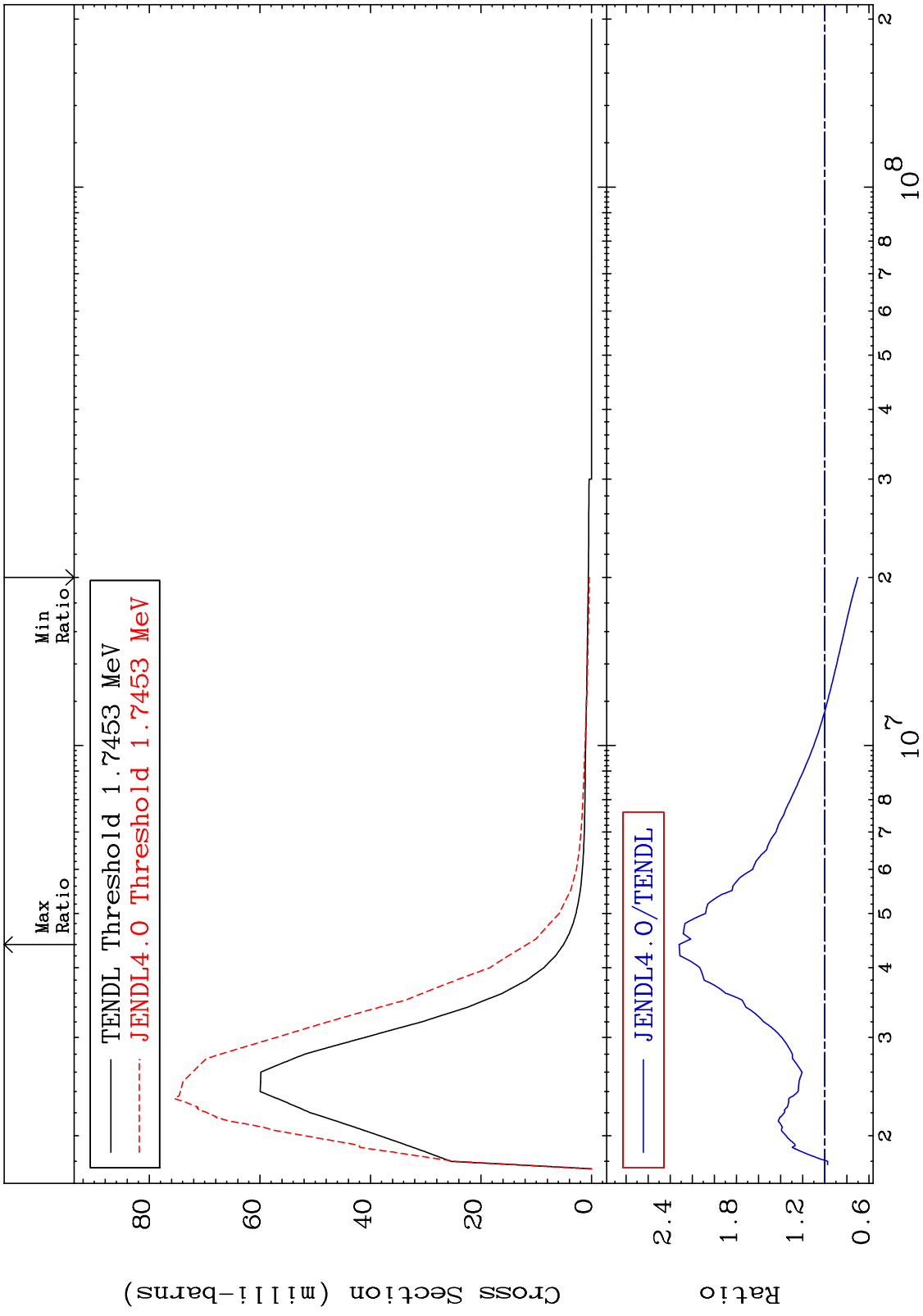
MAT 6237 MT= 61 (n,n') Level Cross Section 62-Sm-148
 -86.40 To 319.8 %



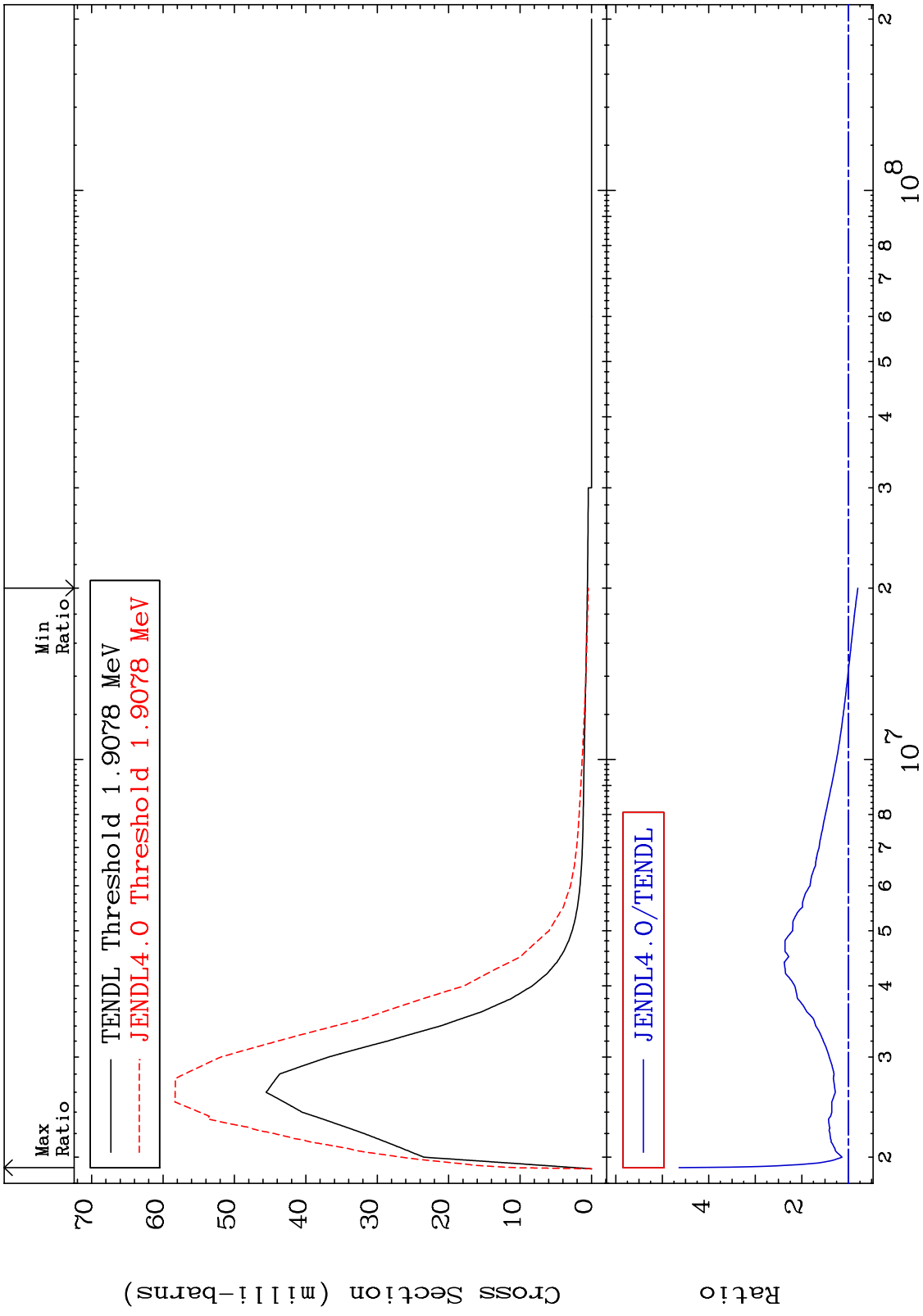
MAT 6237 MT= 62 (n,n') Level Cross Section 62-Sm-148
 153.1 To 9999. %



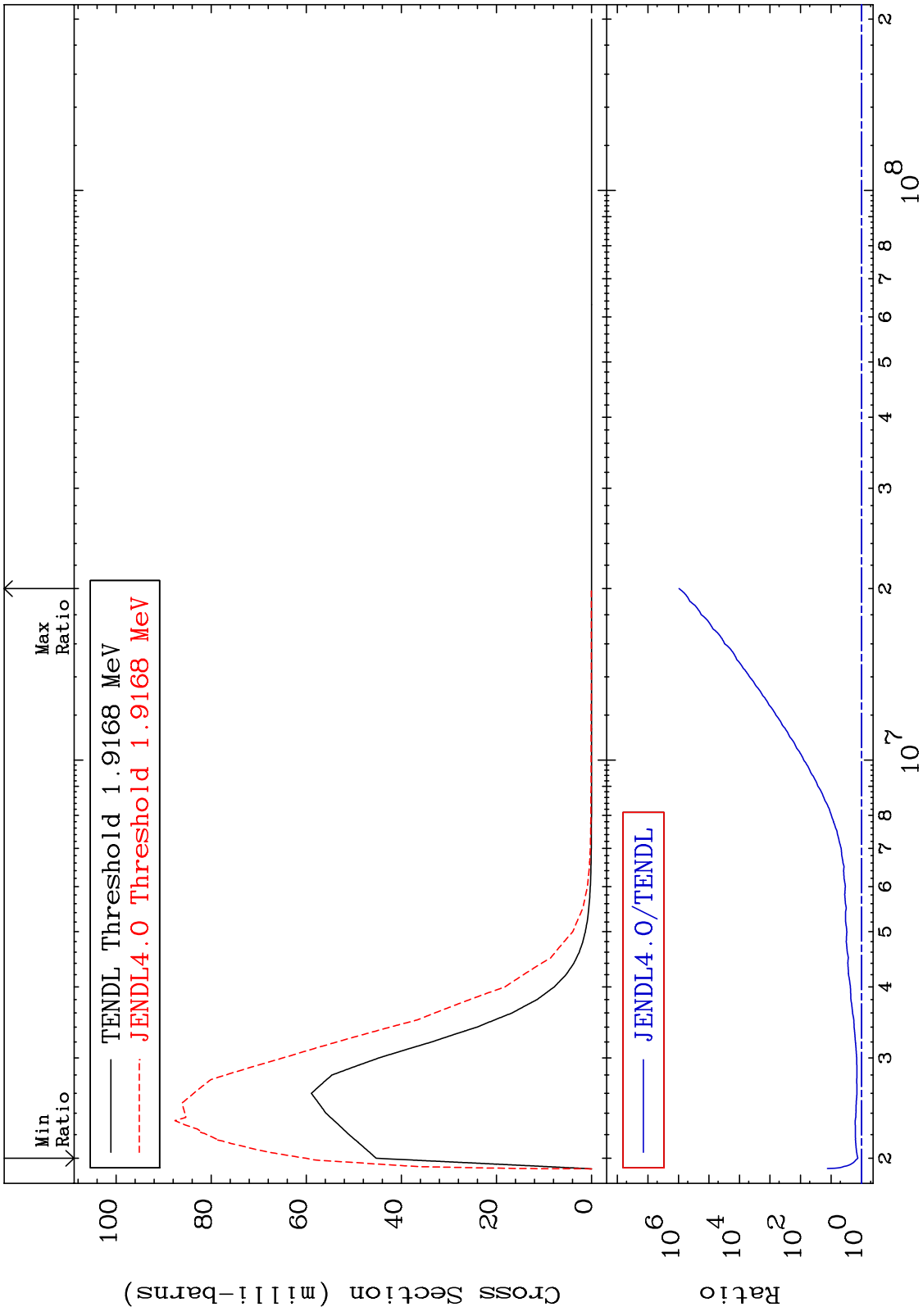
MAT 6237 MT= 63 (n,n') Level Cross Section 62-Sm-148 -29.88 To 132.0 %



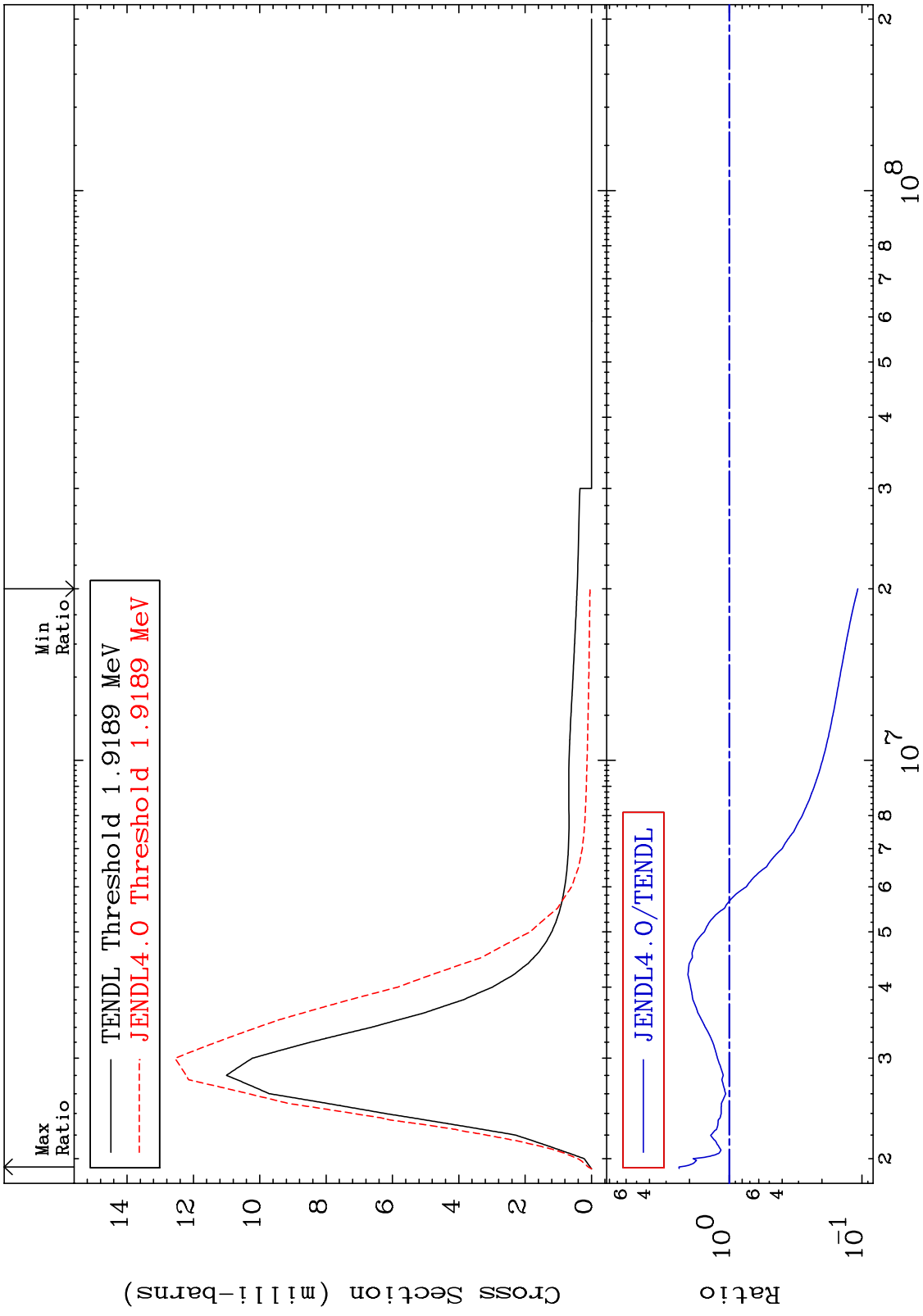
MAT 6237 MT= 64 (n,n') Level Cross Section 62-Sm-148 -20.52 To 363.9 %



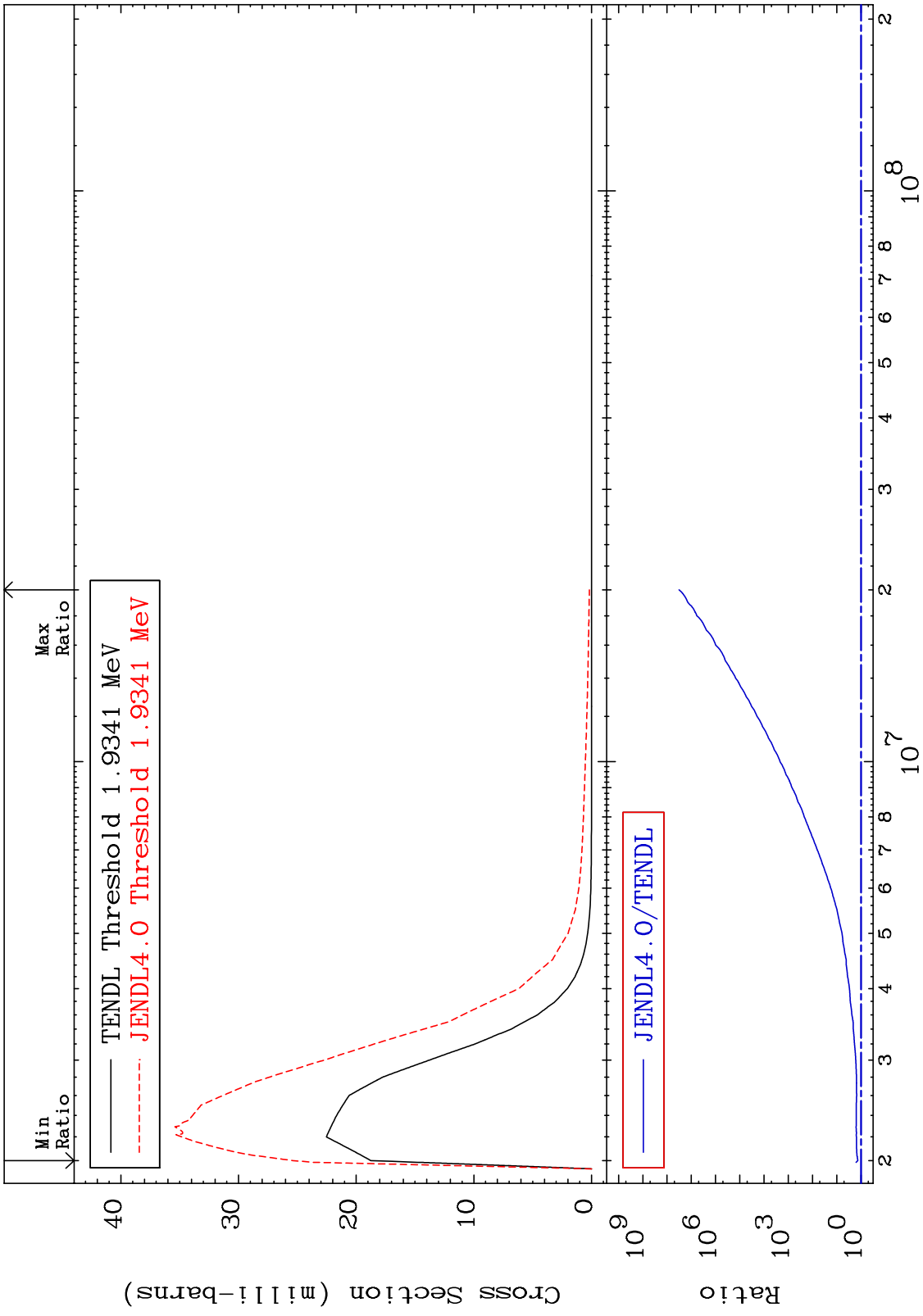
MAT 6237 MT= 65 (n,n') Level Cross Section 62-Sm-148
 32.55 To 9999. %



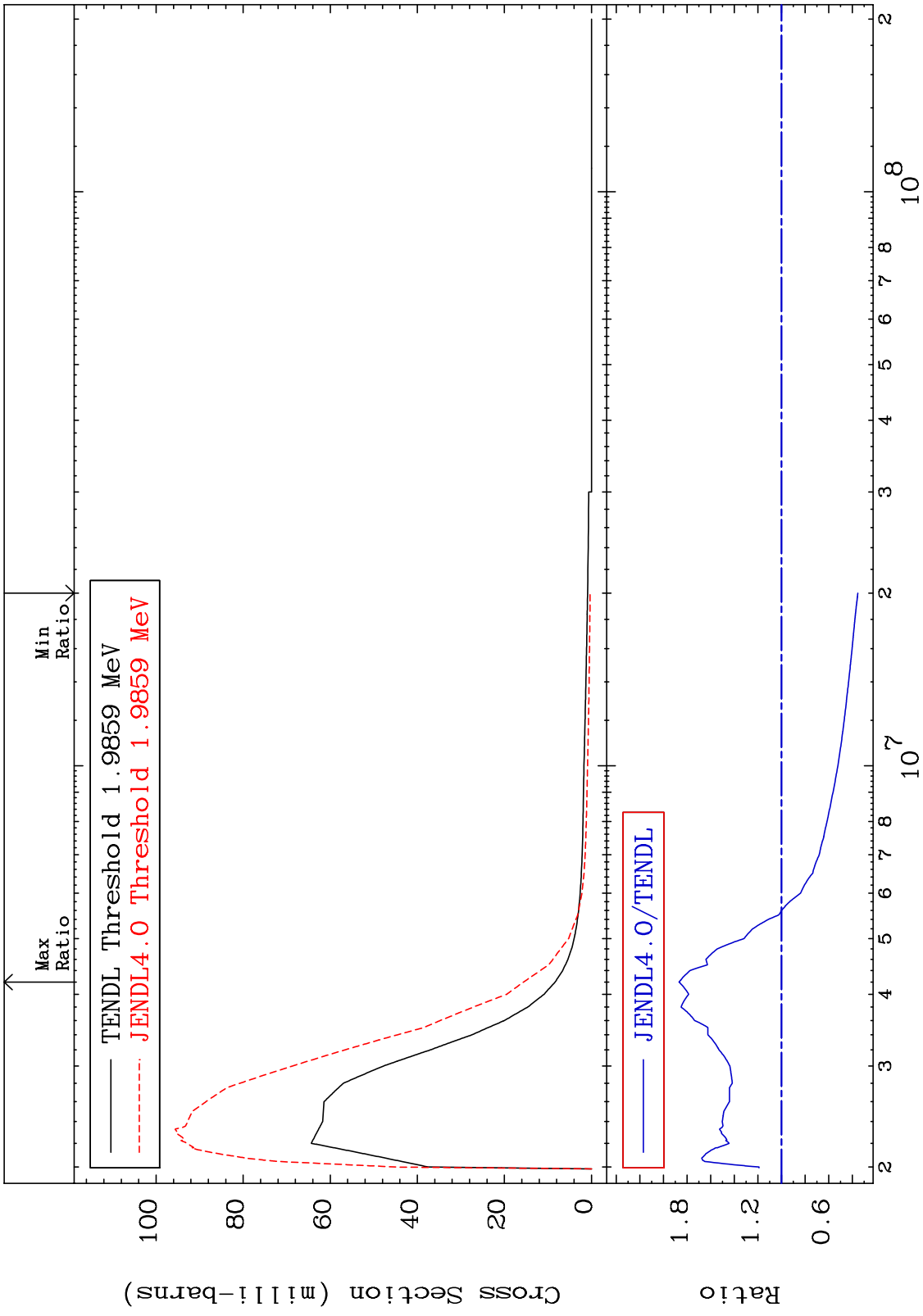
MAT 6237 MT= 66 (n,n') Level Cross Section 62-Sm-148 -89.27 To 139.3 %



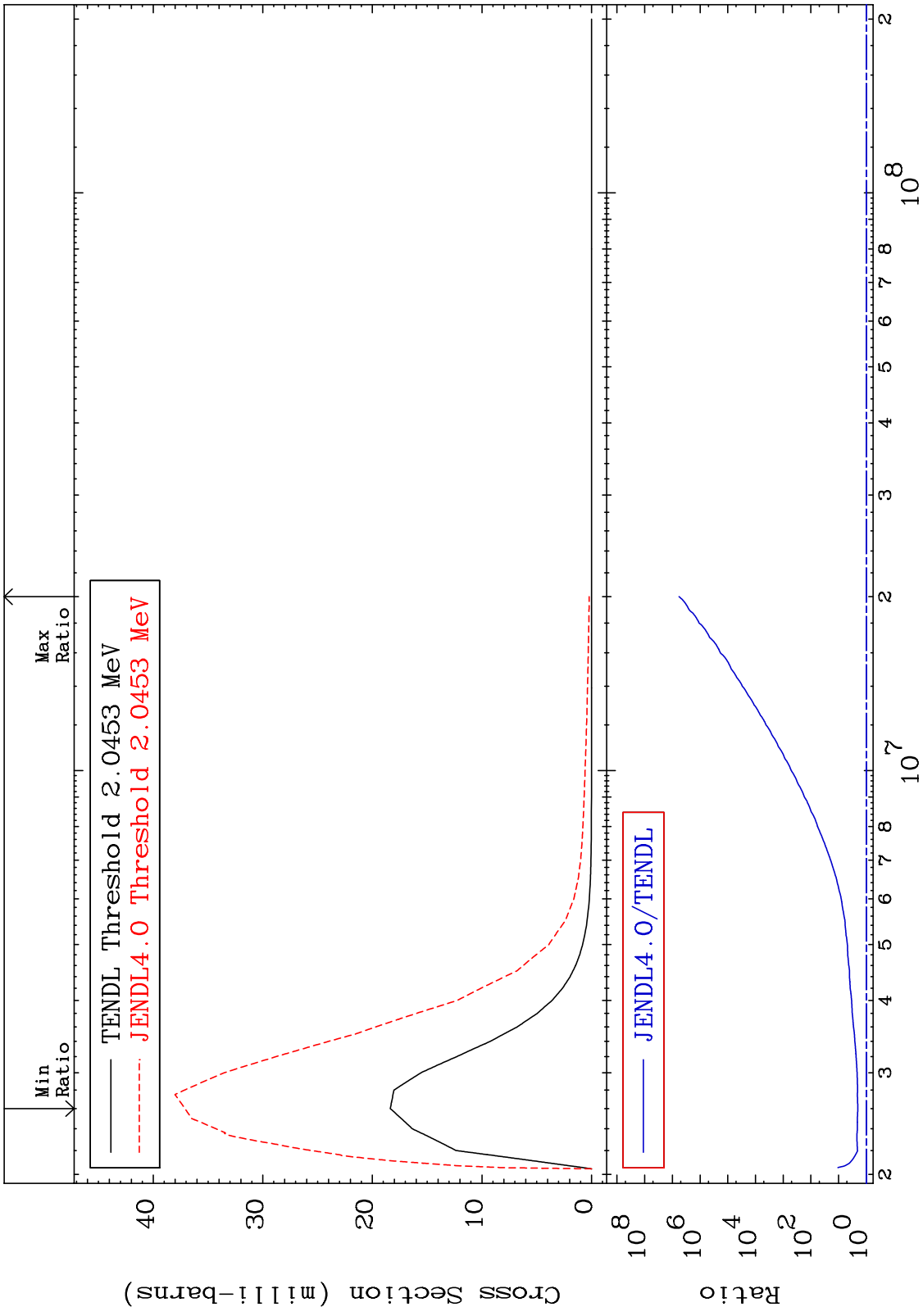
MAT 6237 MT= 67 (n,n') Level Cross Section 62-Sm-148 To 9999. %



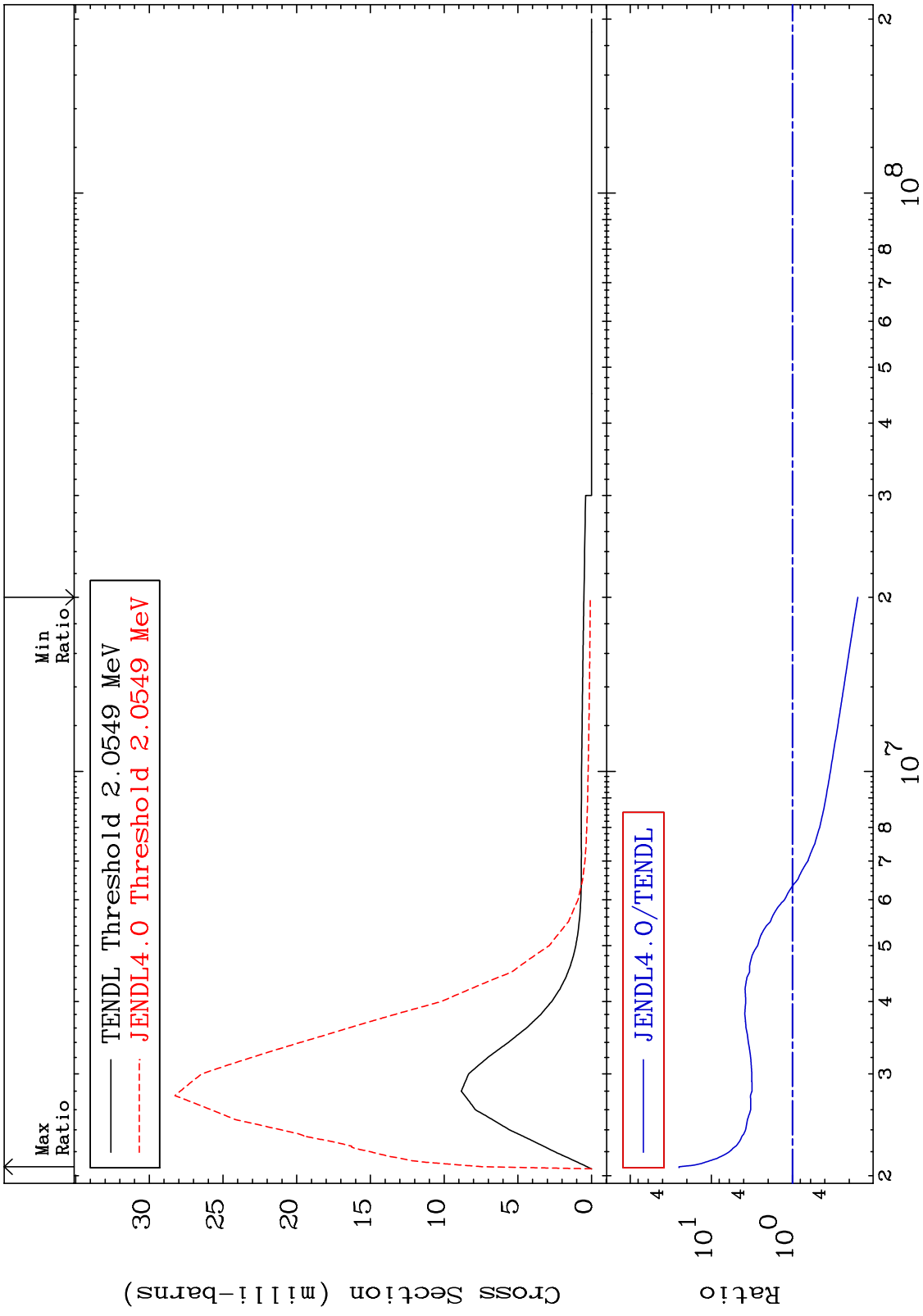
MAT 6237 MT= 68 (n,n') Level Cross Section 62-Sm-148
 -64.62 To 86.82 %



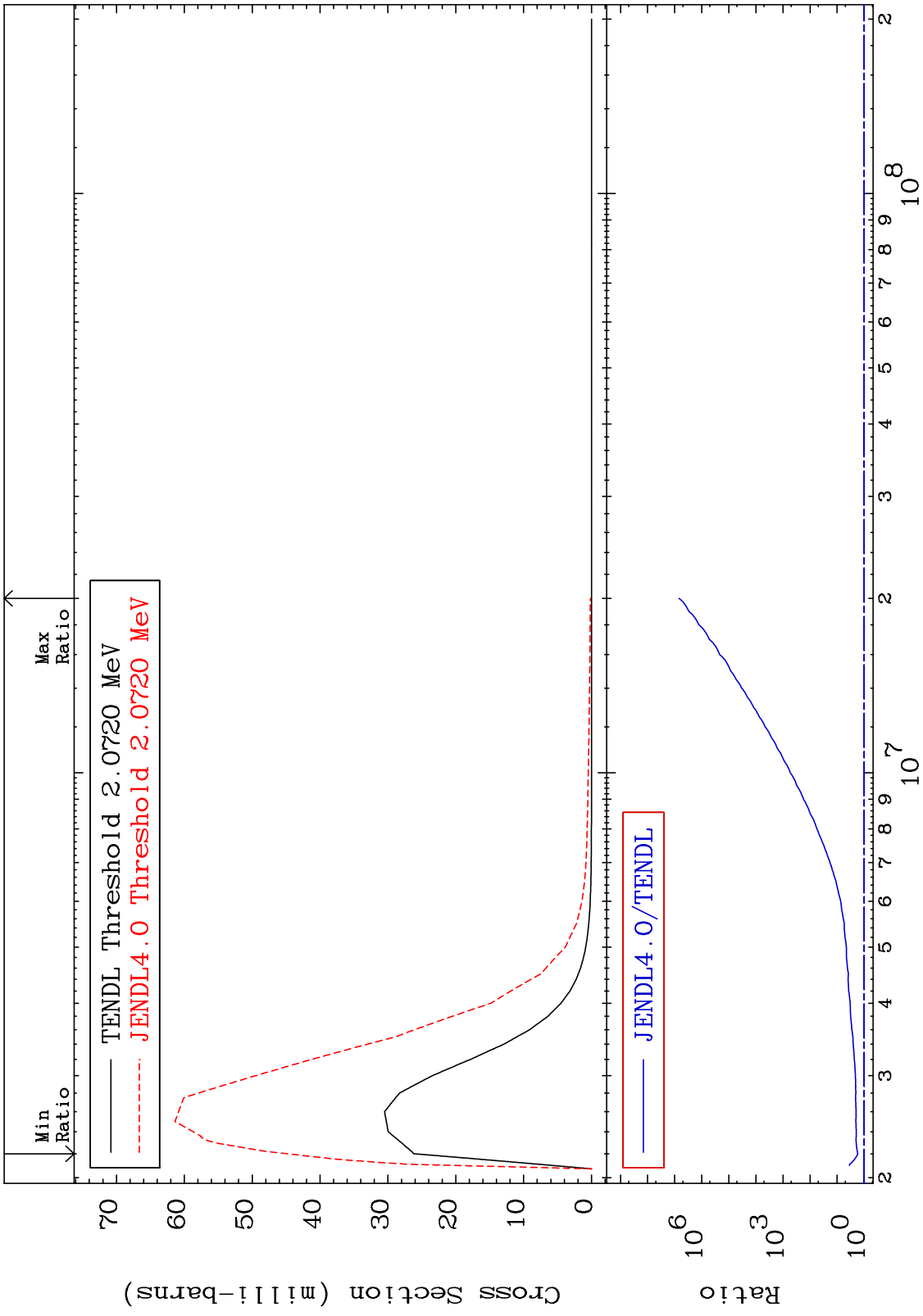
MAT 6237 MT= 69 (n,n') Level Cross Section 62-Sm-148
 102.1 To 9999. %



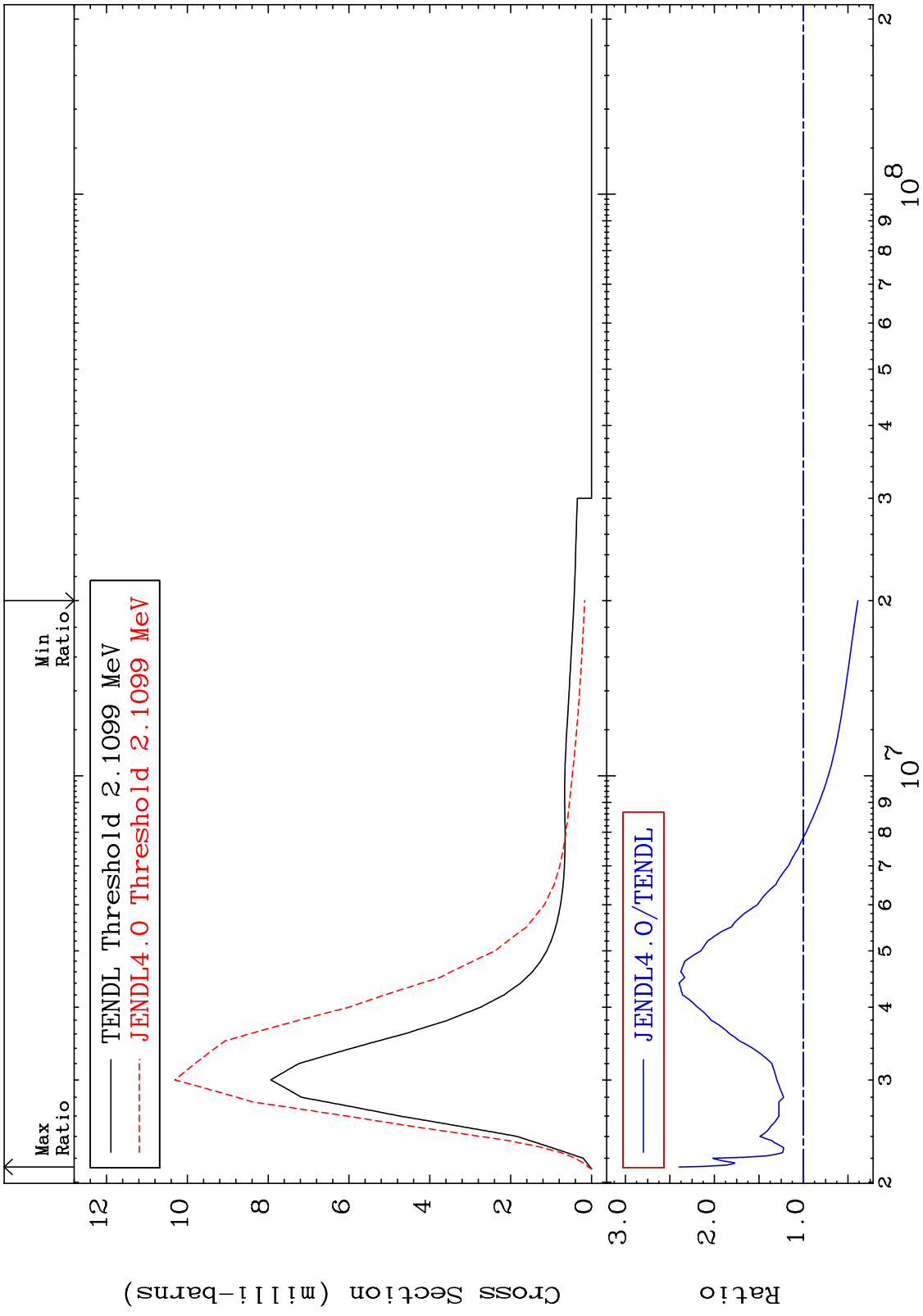
MAT 6237 MT= 70 (n,n') Level Cross Section 62-Sm-148
 -84.35 To 2402. %



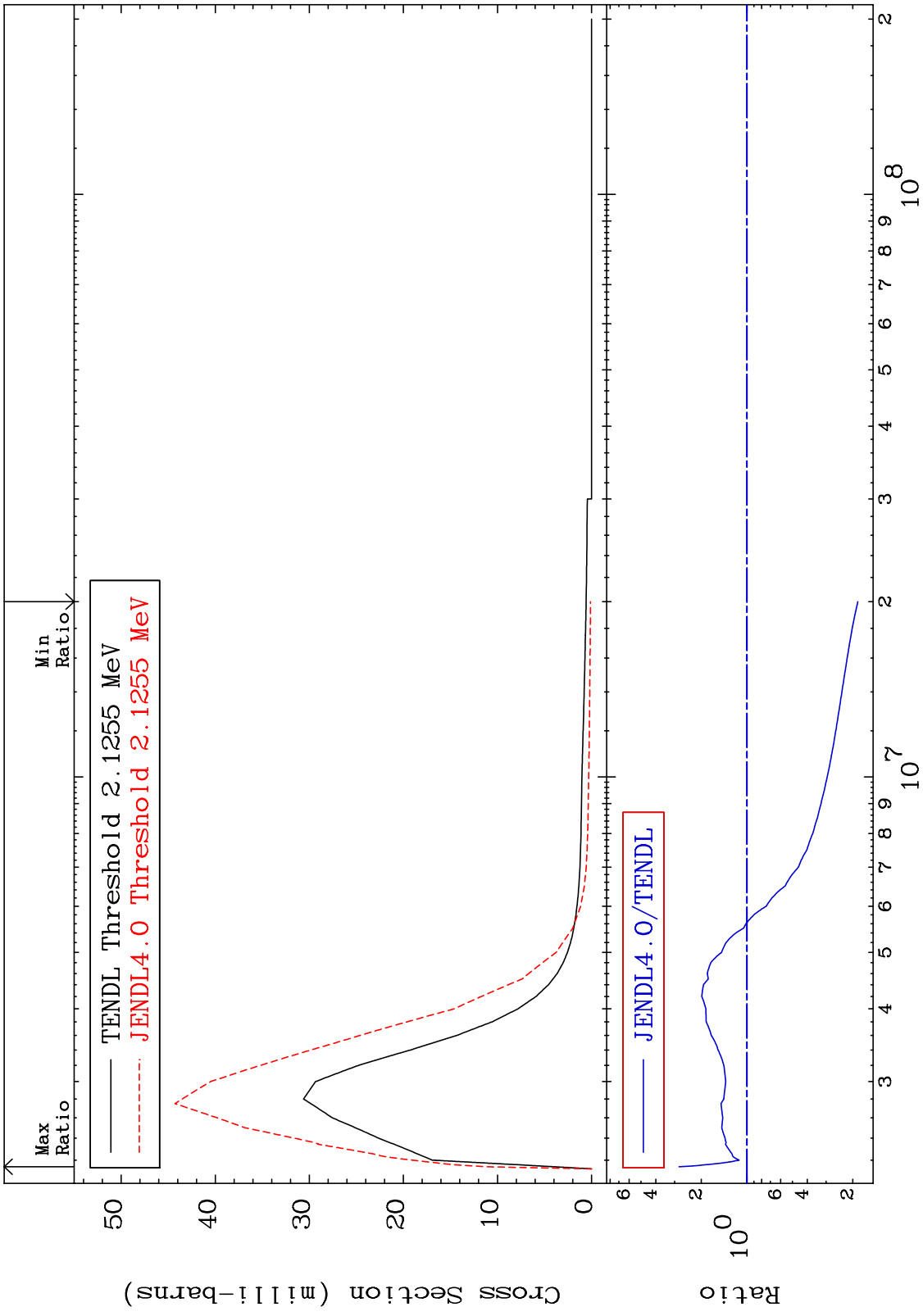
MAT 6237 MT= 71 (n,n') Level Cross Section 62-Sm-148 71.75 To 9999. %



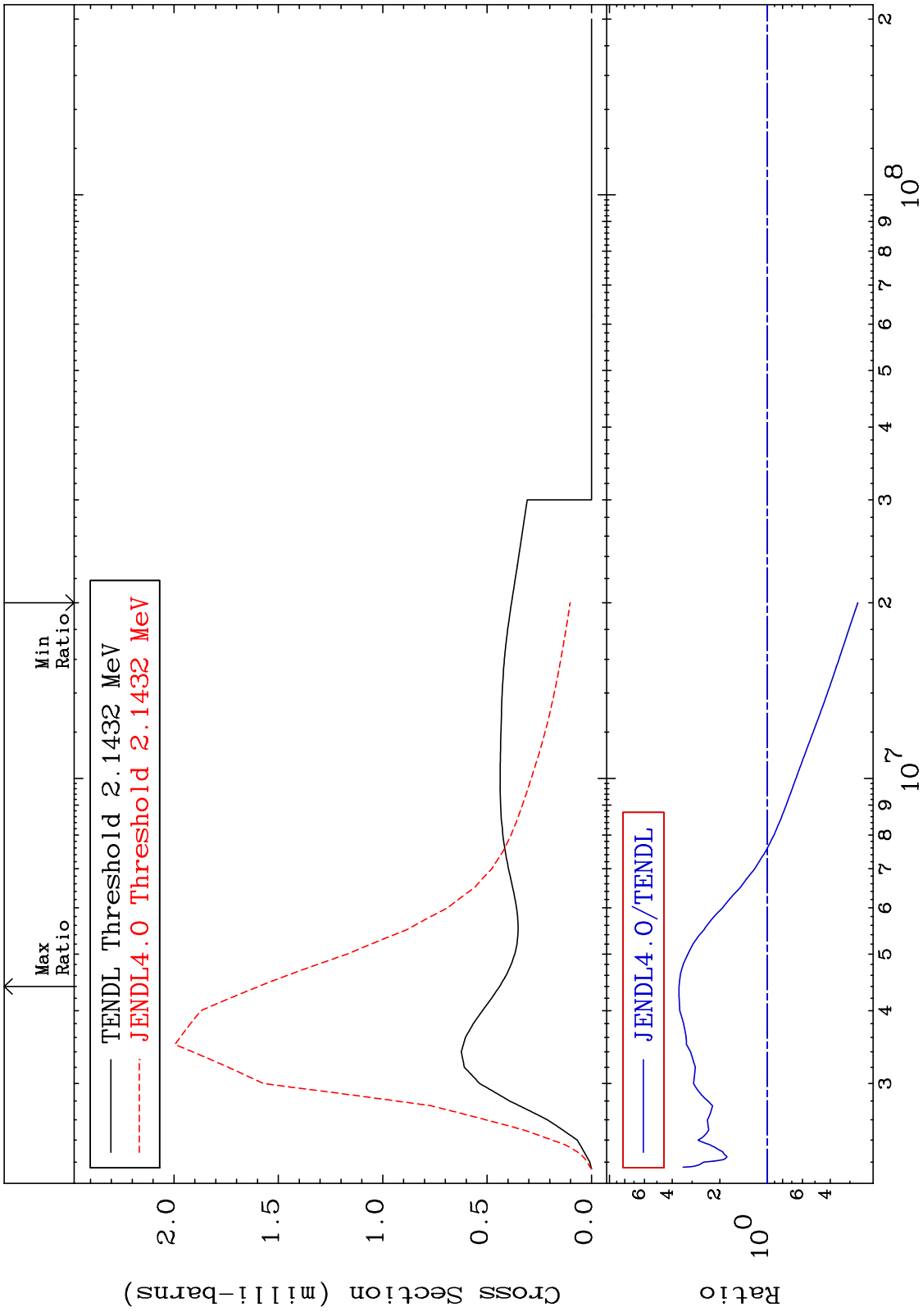
MAT 6237 MT= 72 (n,n') Level Cross Section 62-Sm-148 -61.09 To 139.7 %



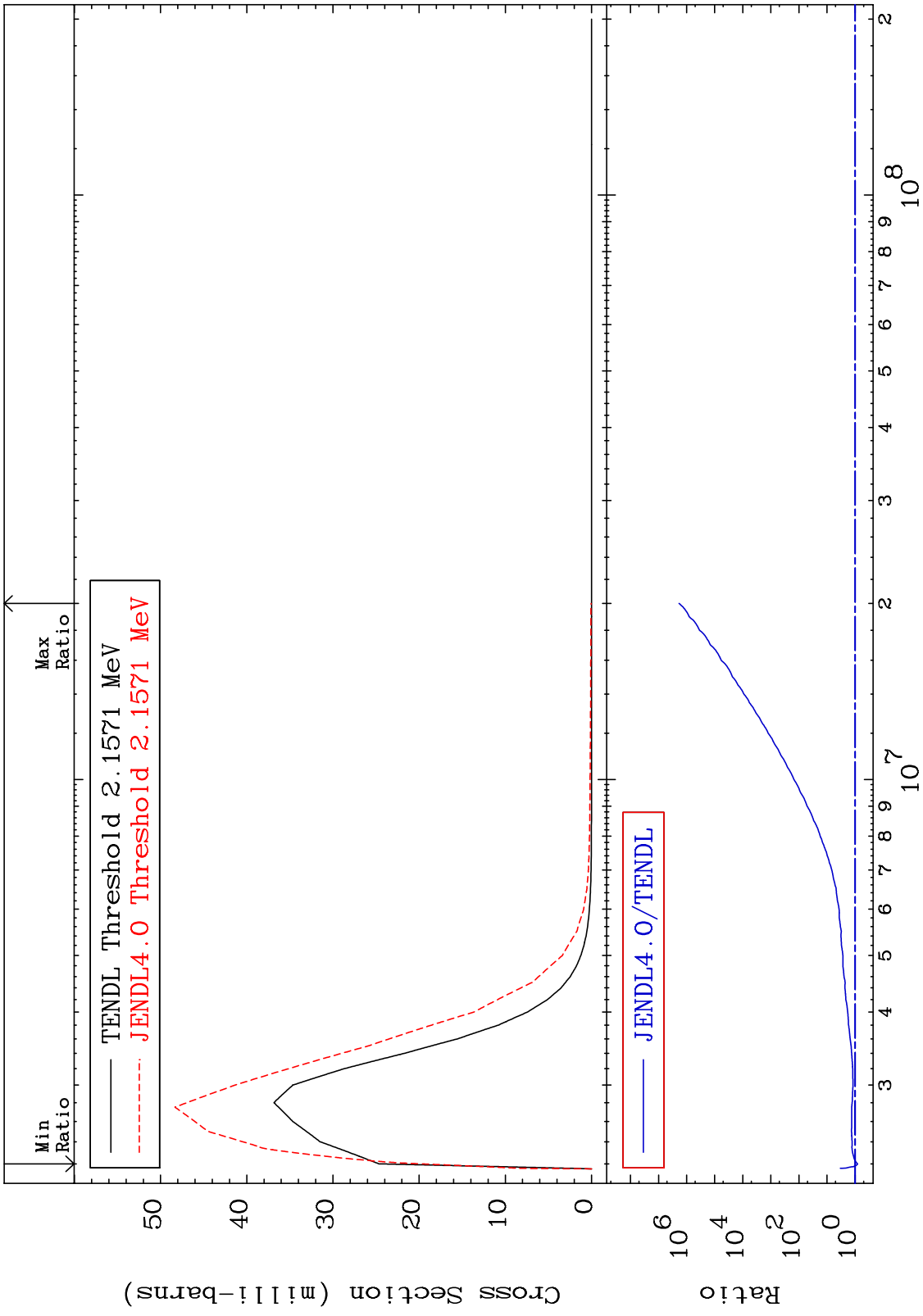
MAT 6237 MT= 73 (n,n') Level Cross Section 62-Sm-148
 -81.47 To 180.6 %



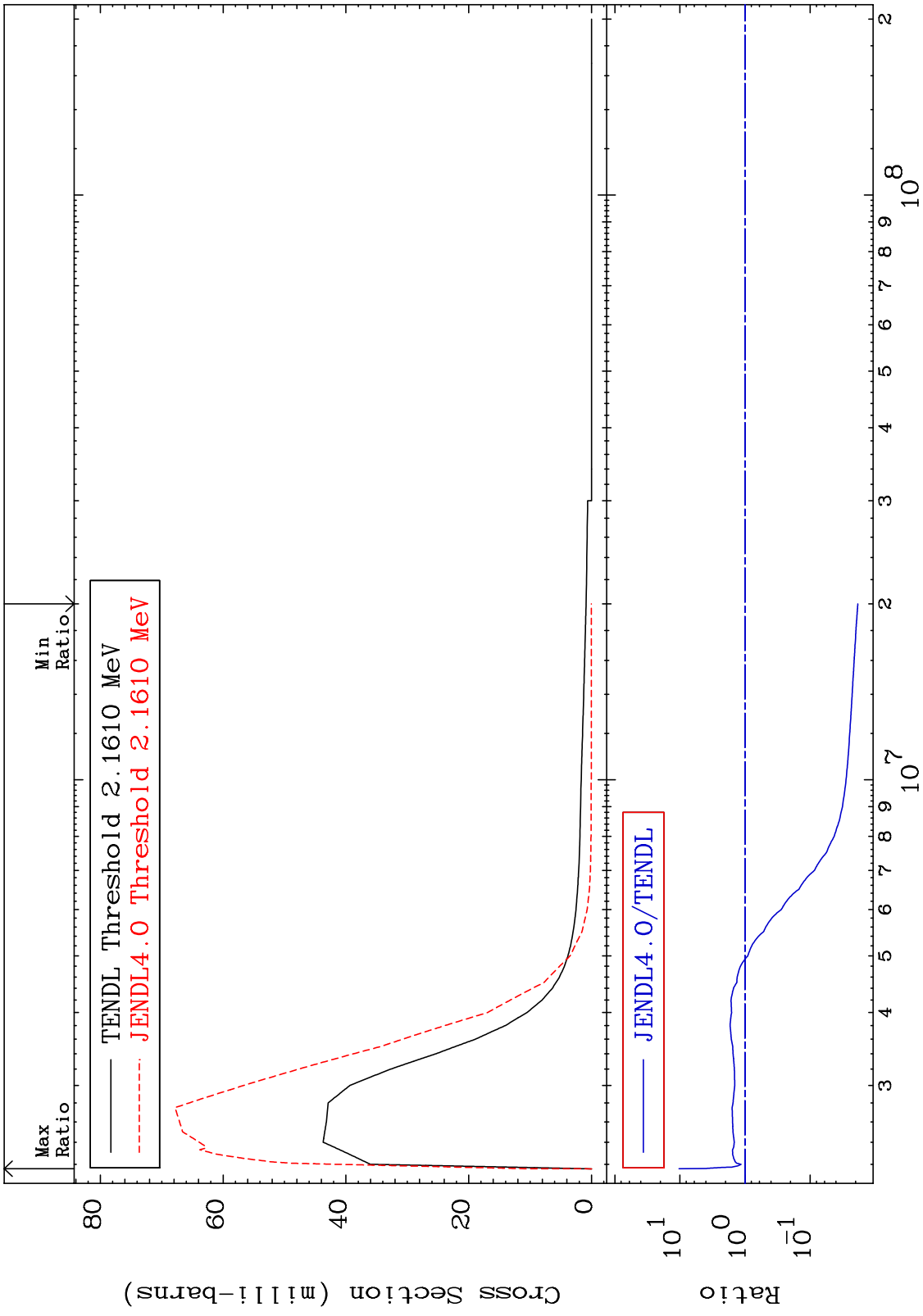
MAT 6237 MT= 74 (n,n') Level Cross Section 62-Sm-148
 -73.26 To 262.3 %



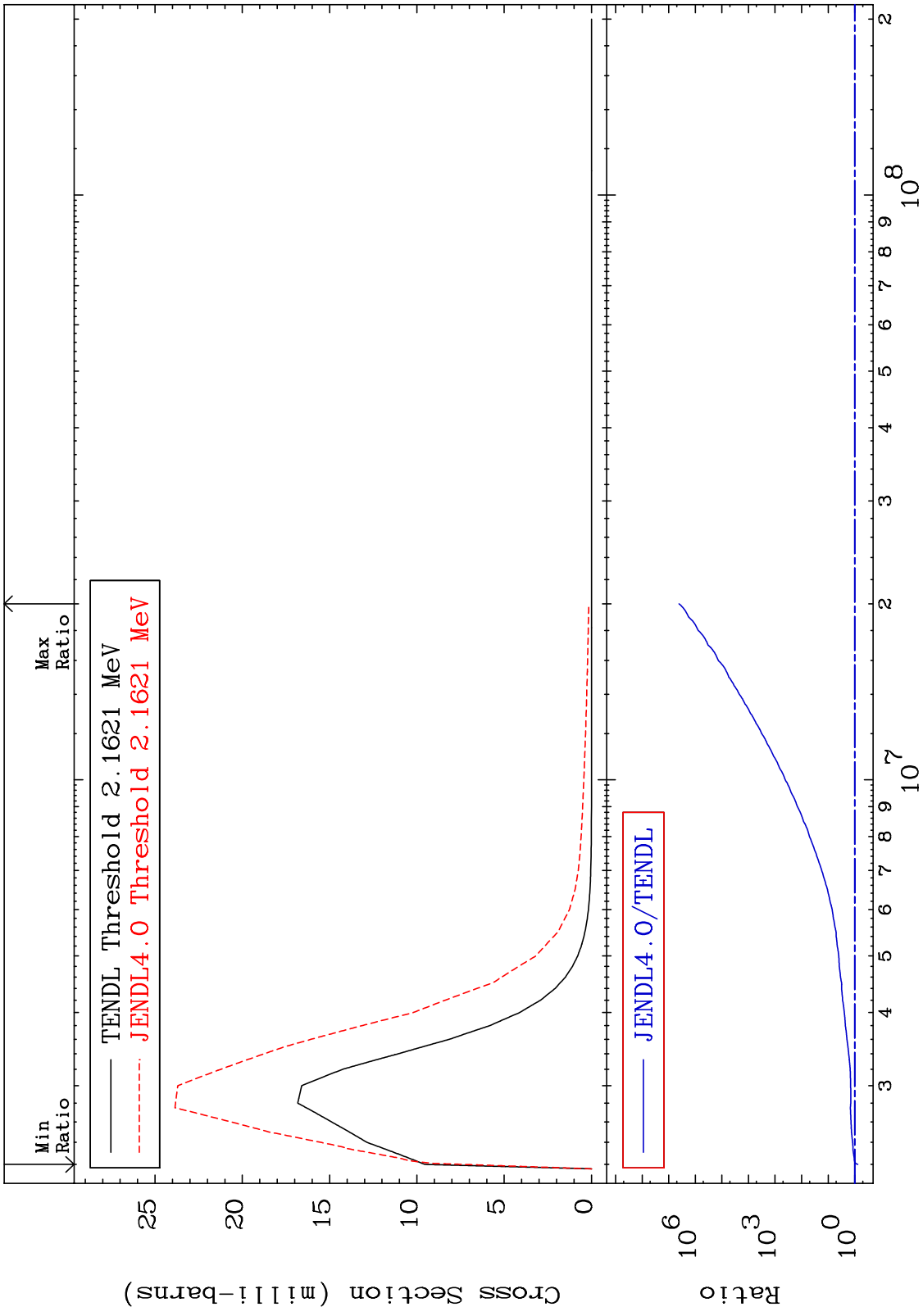
MAT 6237 MT= 75 (n,n') Level Cross Section 62-Sm-148
 -19.89 To 9999. %



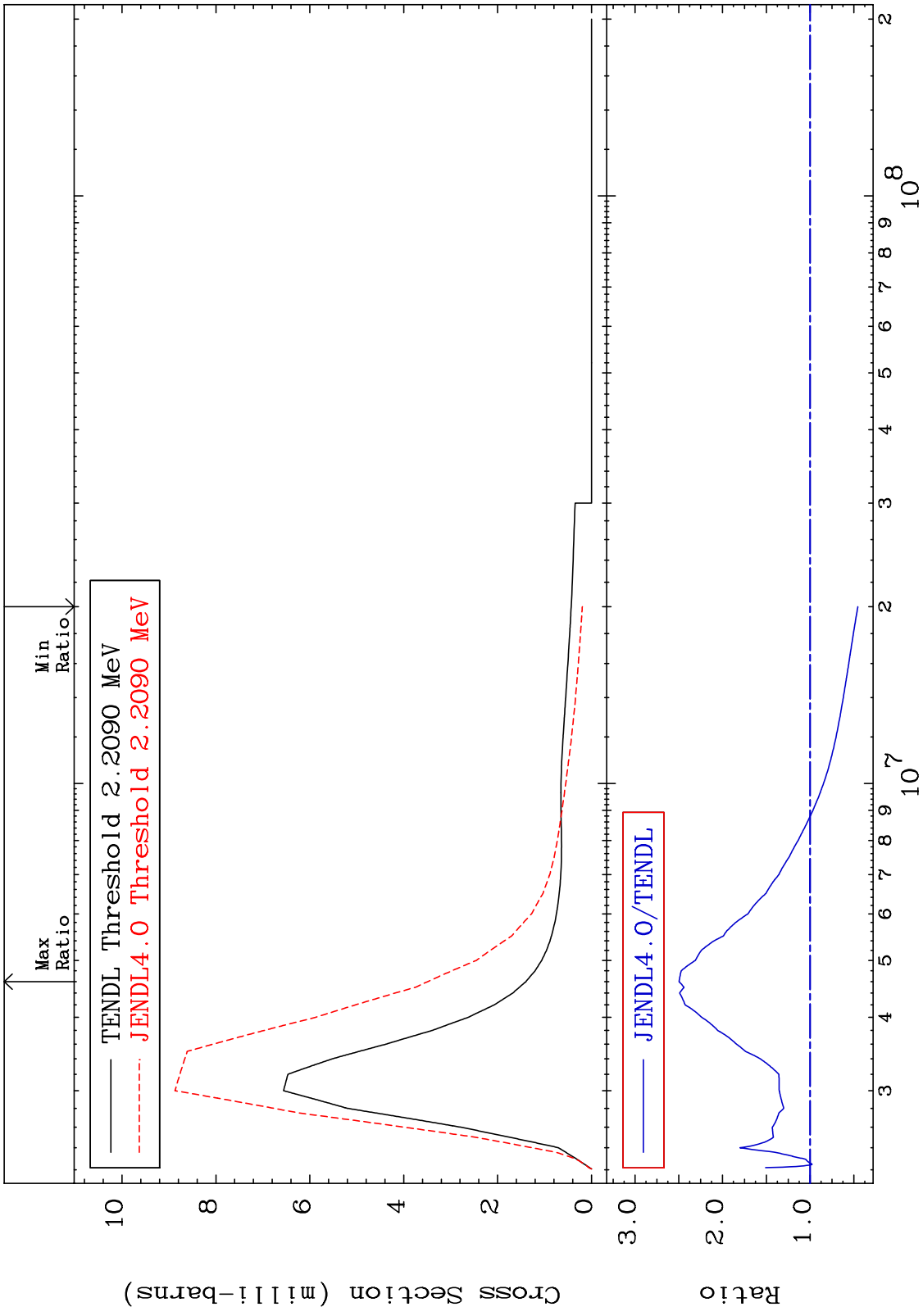
MAT 6237 MT= 76 (n,n') Level Cross Section 62-Sm-148 -98.15 To 931.6 %



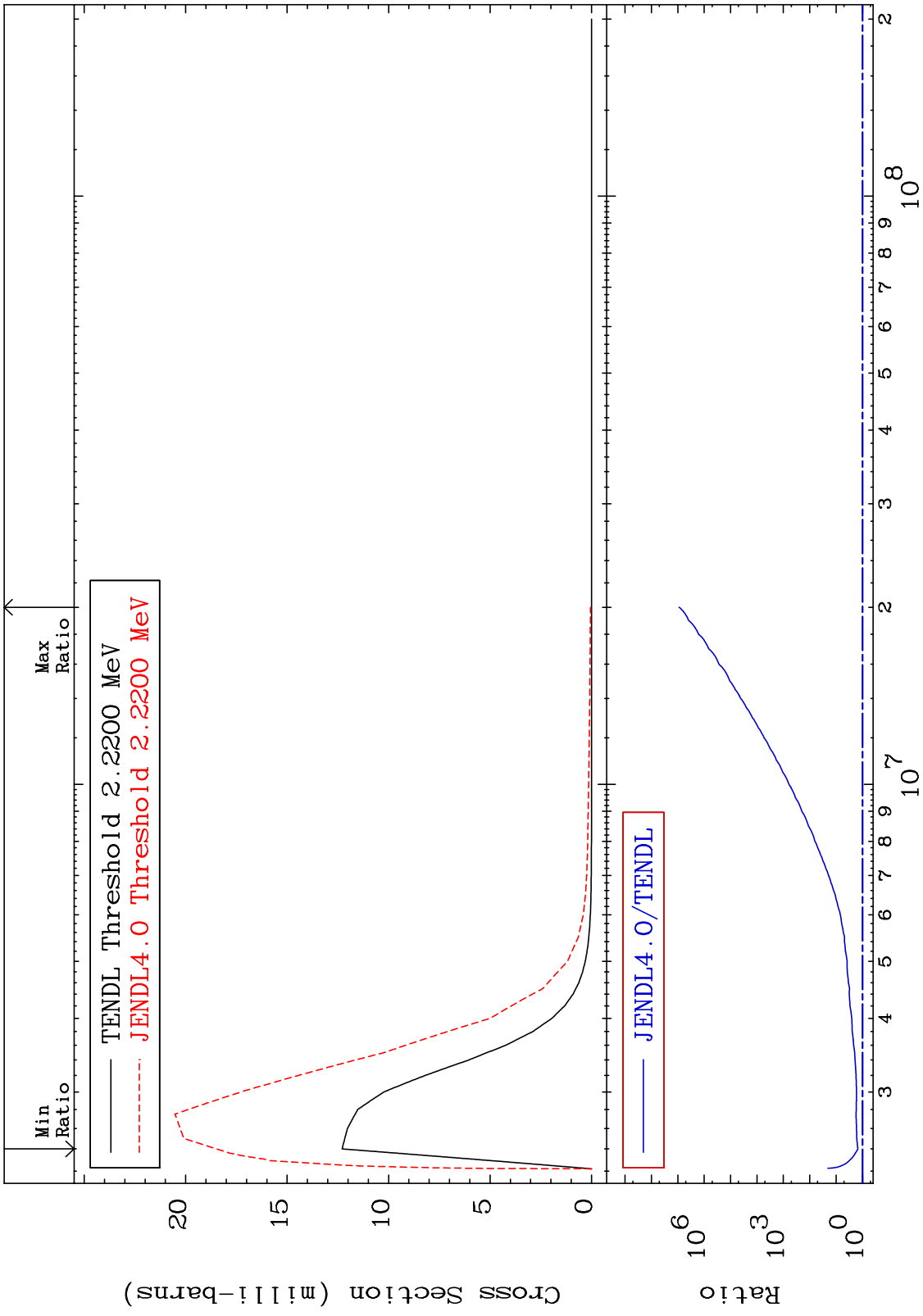
MAT 6237 MT= 77 (n,n') Level Cross Section 62-Sm-148
 -23.28 To 9999. %



MAT 6237 MT= 78 (n,n') Level Cross Section 62-Sm-148
 -54.62 To 149.8 %



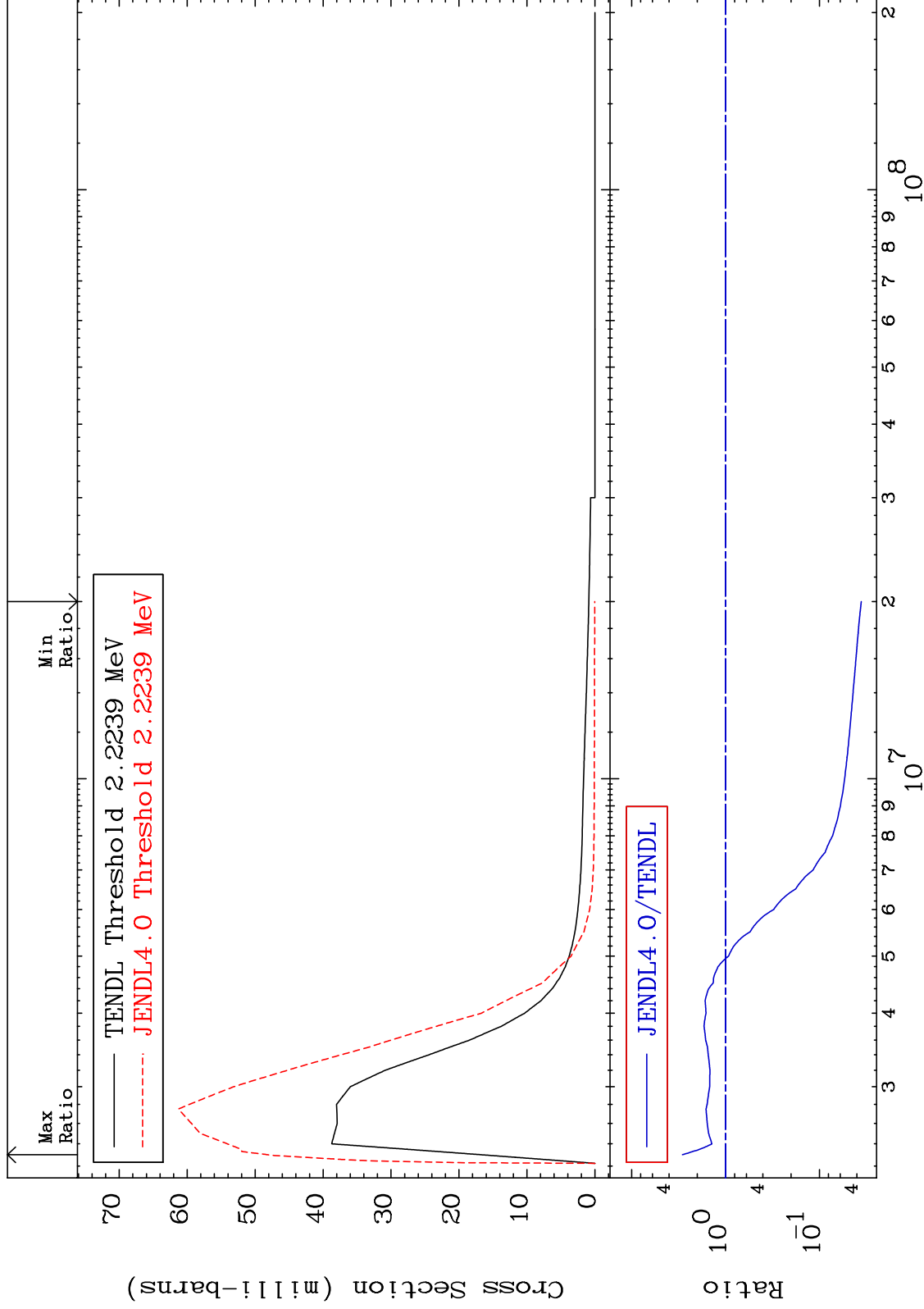
MAT 6237 MT= 79 (n,n') Level Cross Section 62-Sm-148 To 9999. %
 50.32



MAT 6237

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

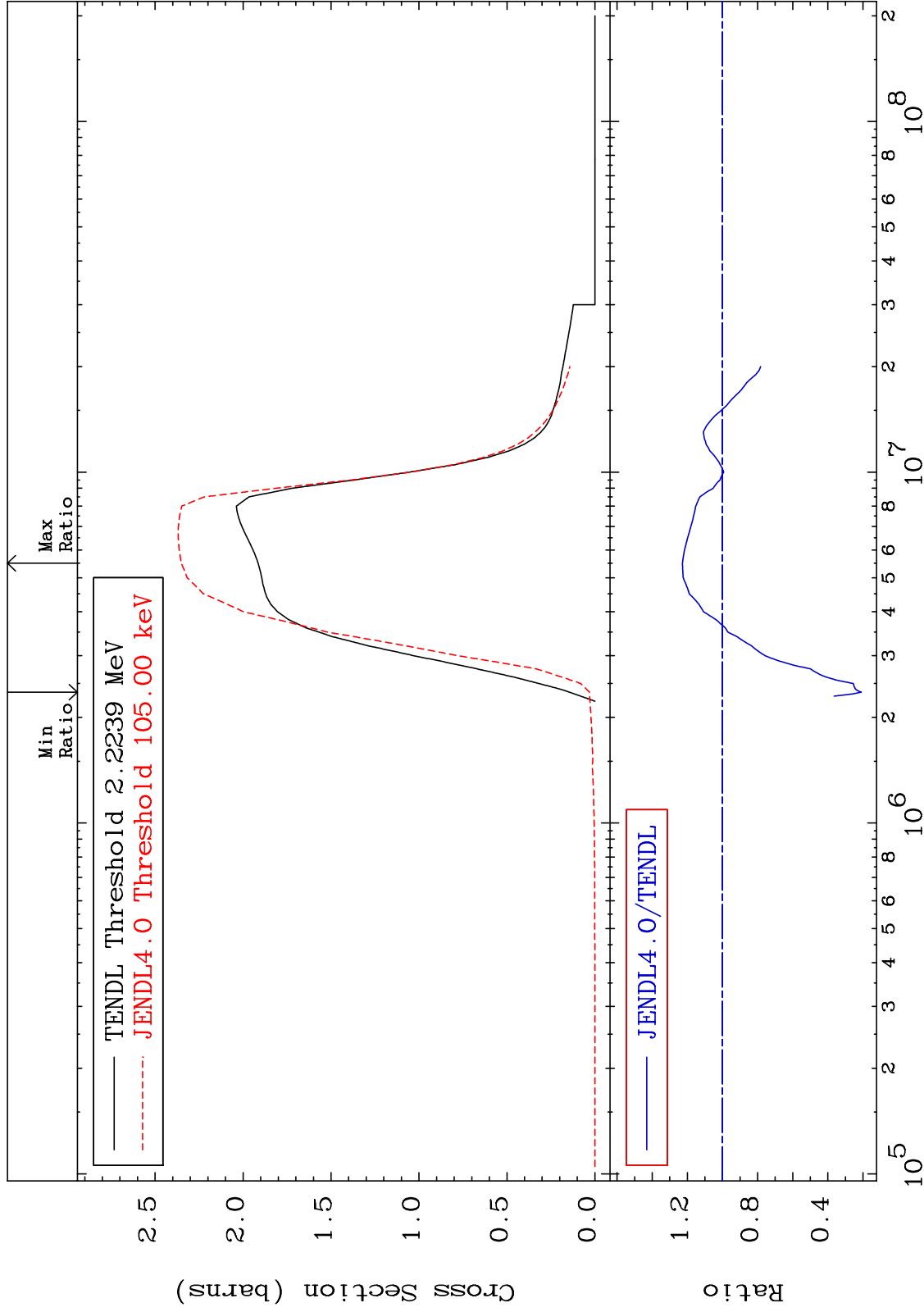
62-Sm-148
-96.42 To 187.5 %



MAT 6237

(n, n') Continuum
Cross Section

62-Sm-148
-79.05 To 22.77 %



43

Incident Energy (eV)

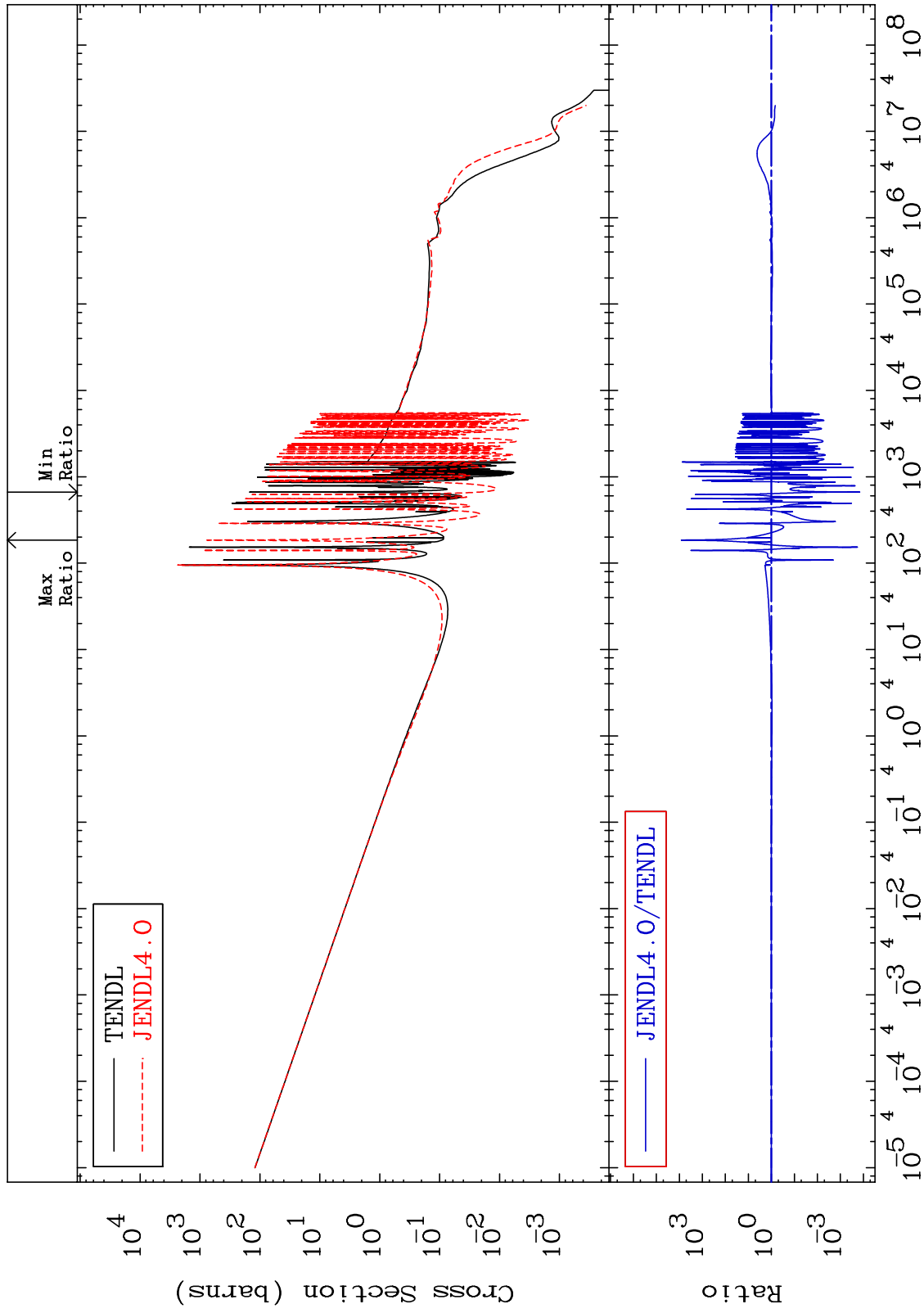
62-Sm-148

MAT 6237

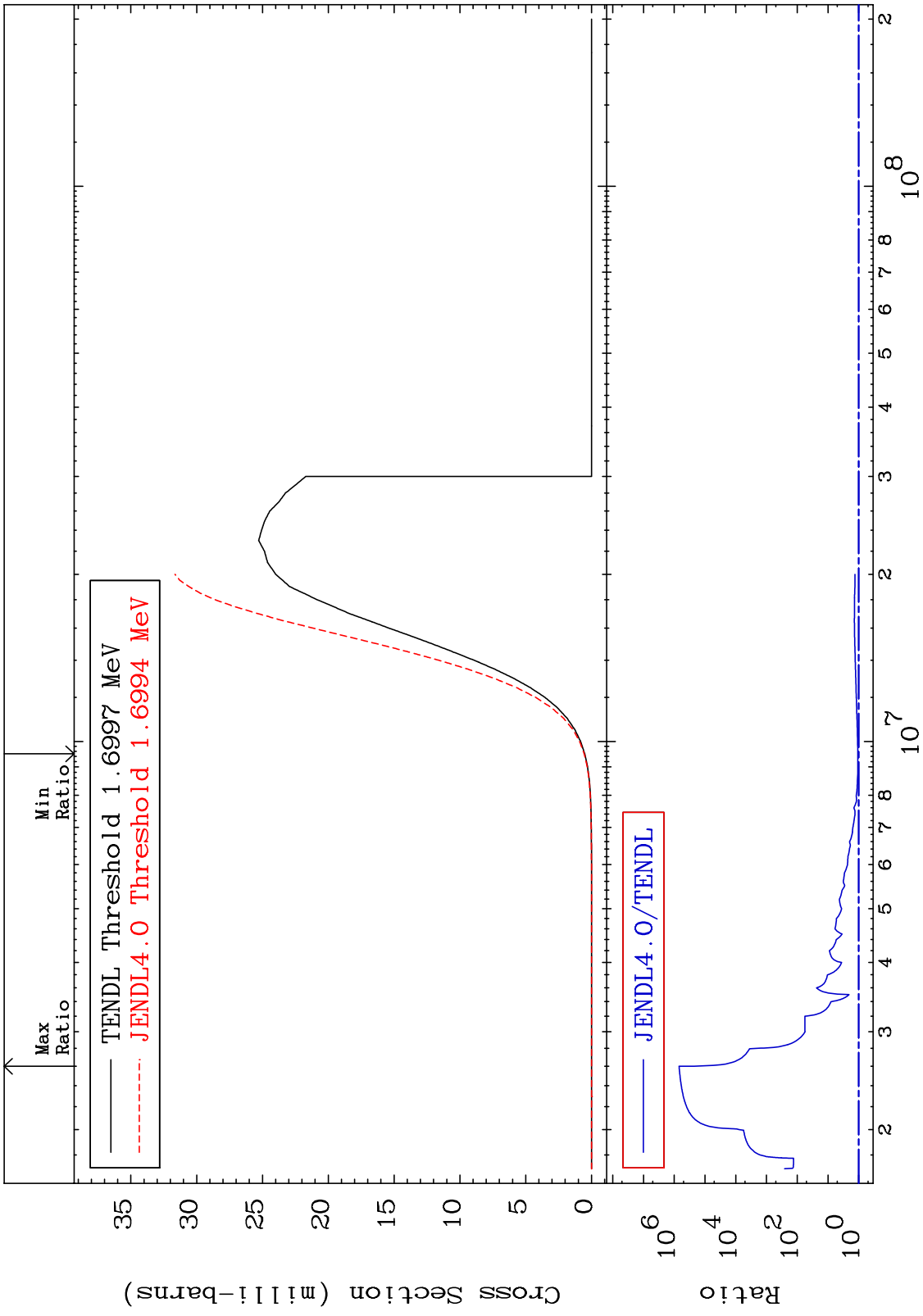
62-Sm-148

-99.99 To 9999. %

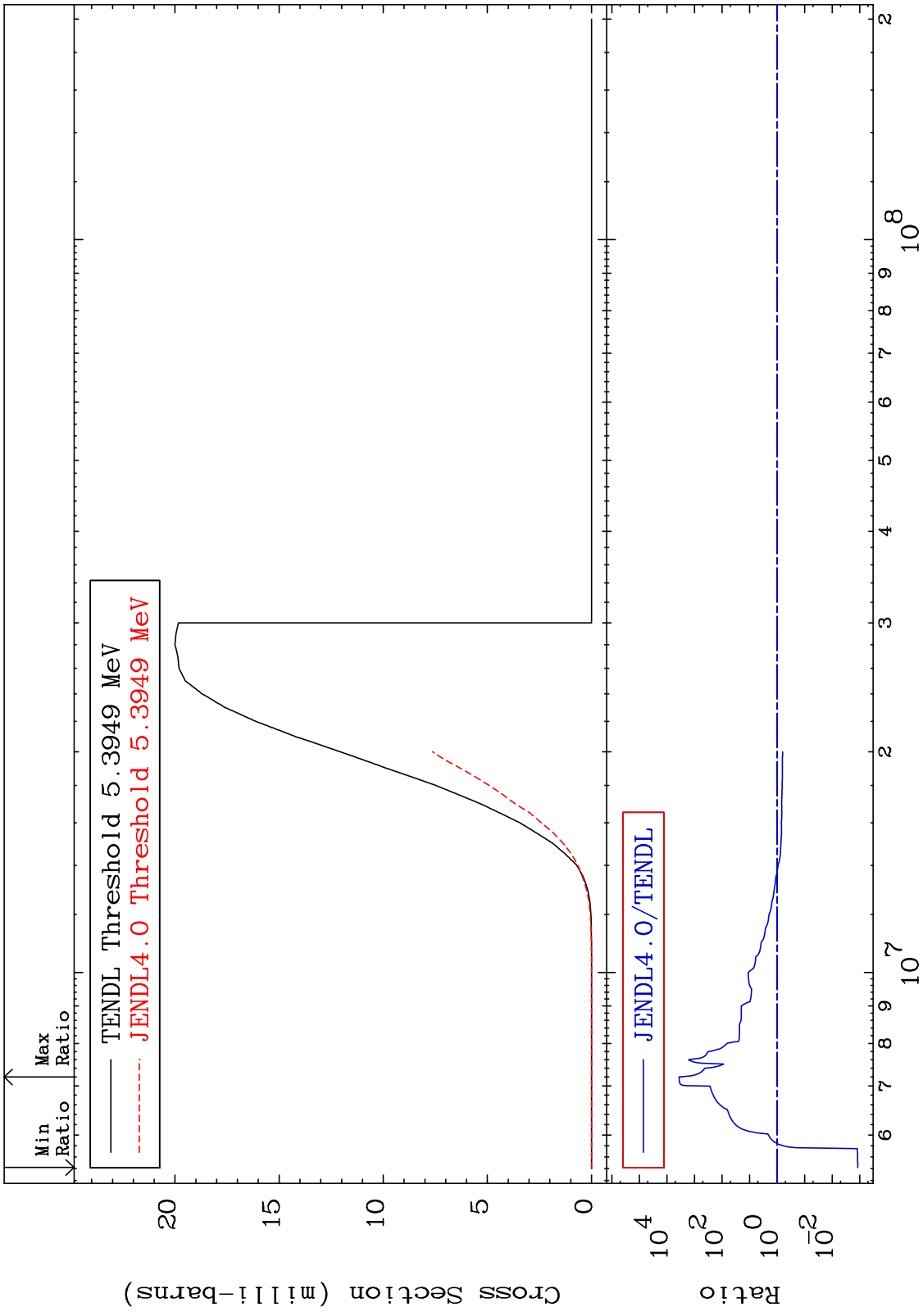
(n, γ)
Cross Section



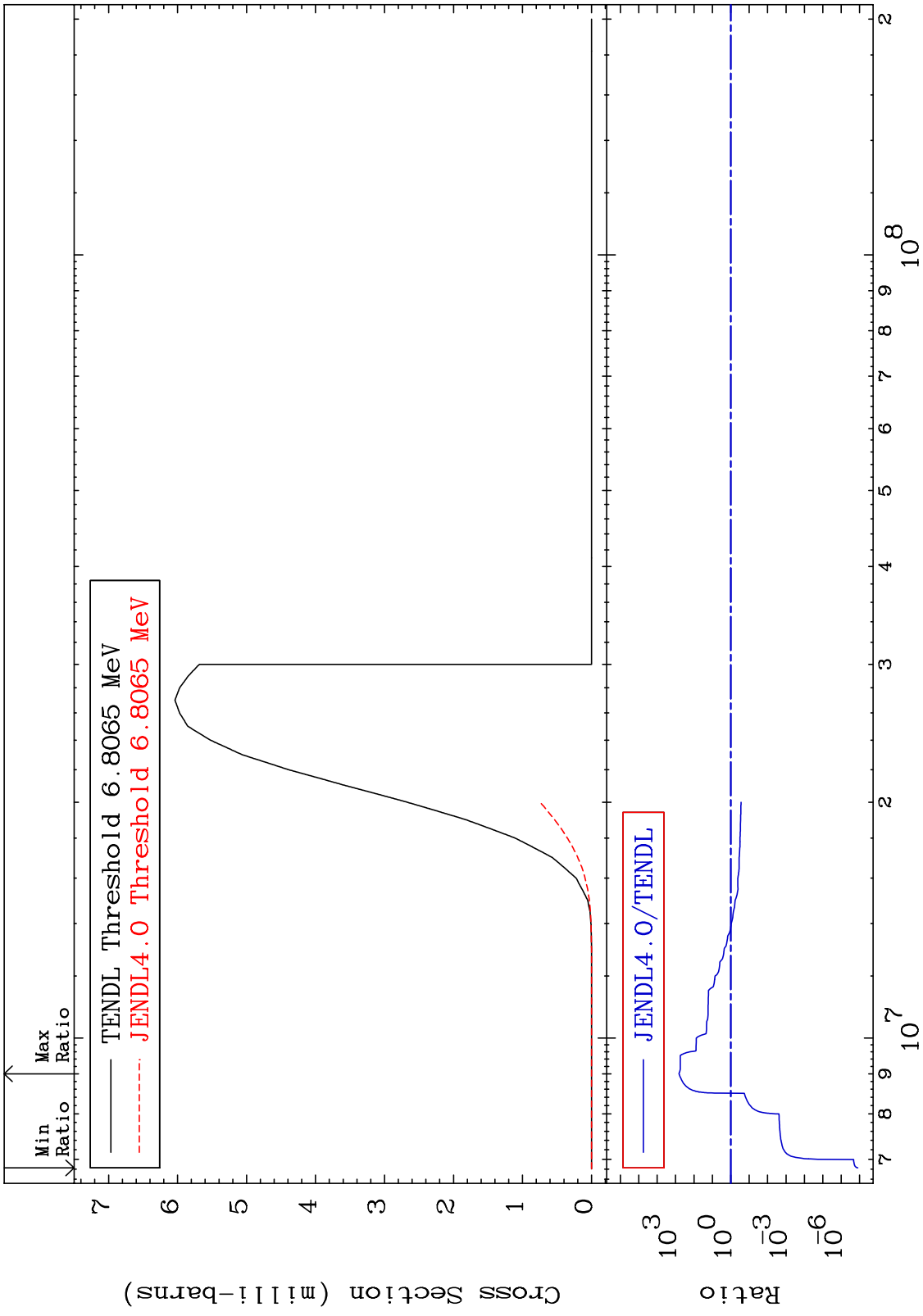
MAT 6237 (n,p) Cross Section 62-Sm-148 To 9999. % 6.986



MAT 6237 (n,d) Cross Section 62-Sm-148 -99.88 To 9999. %



MAT 6237 (n,t) 62-Sm-148
 Cross Section -100.0 To 9999. %



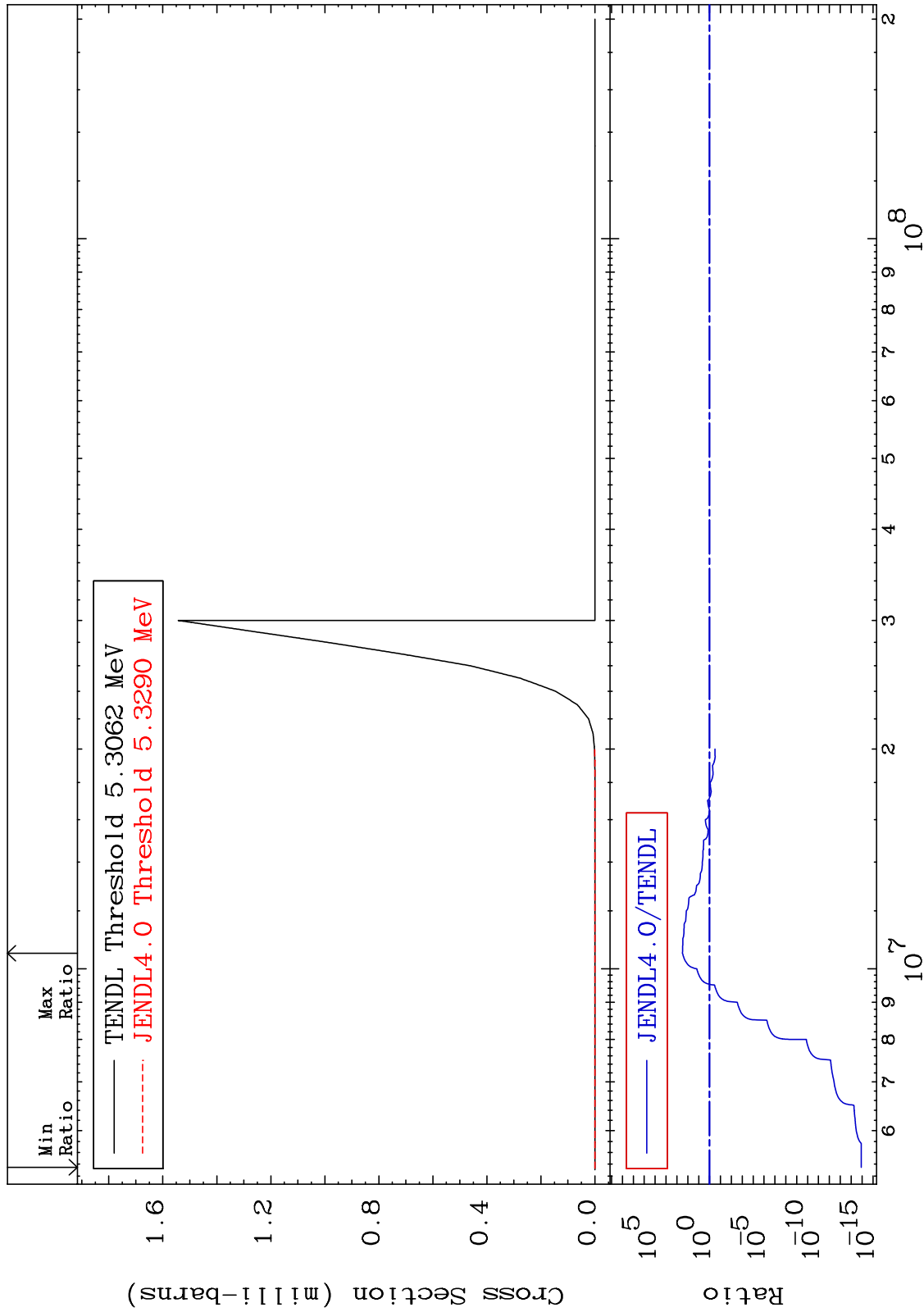
MAT 6237

(n, He-3)

62-Sm-148

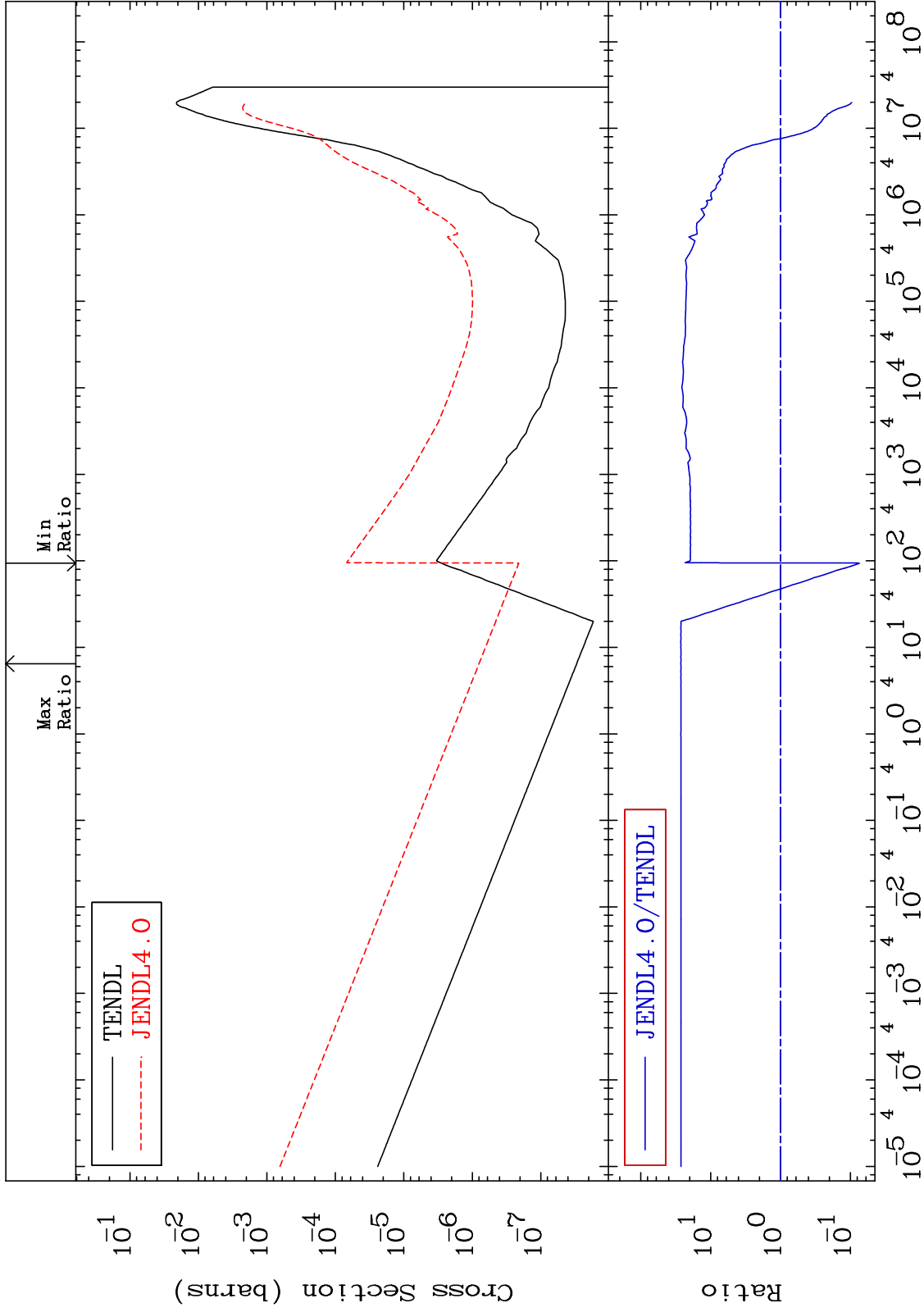
Cross Section

-100.0 To 9999. %



MAT 6237

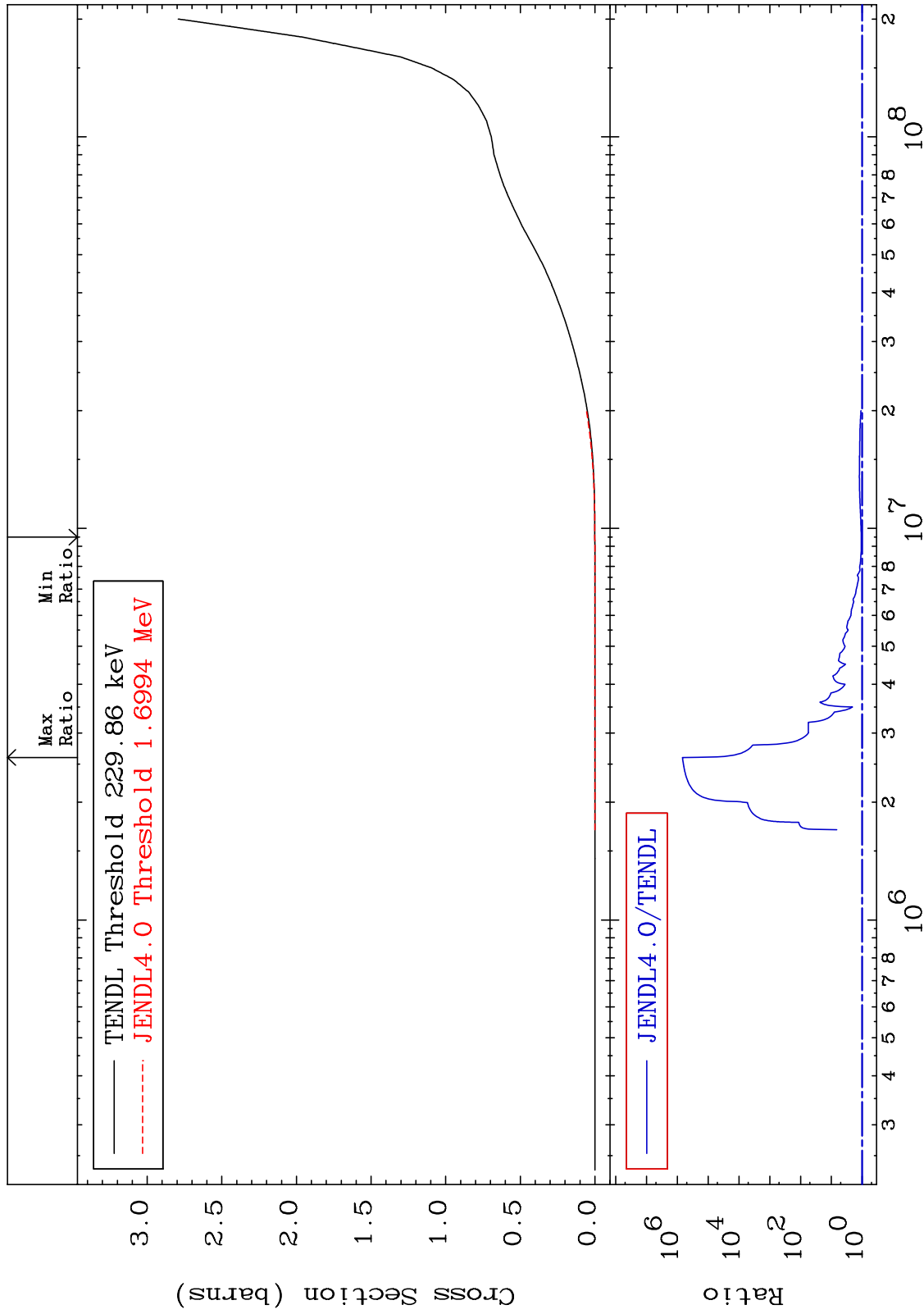
(n, α) Cross Section
62-Sm-148
-92.62 To 2576. %



MAT 6237

Hydrogen Production
Cross Section

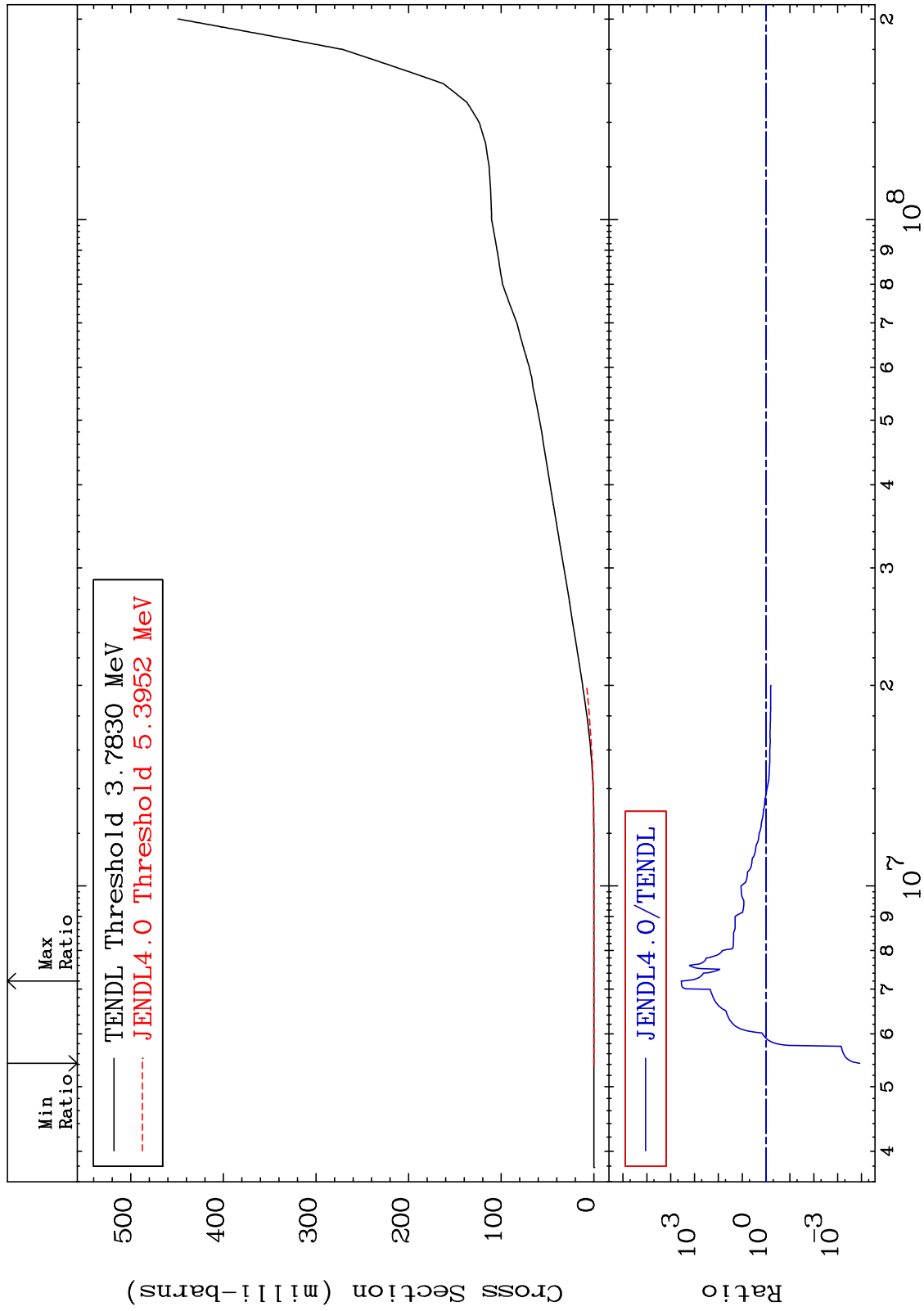
62-Sm-148
To 9999. %
6.986

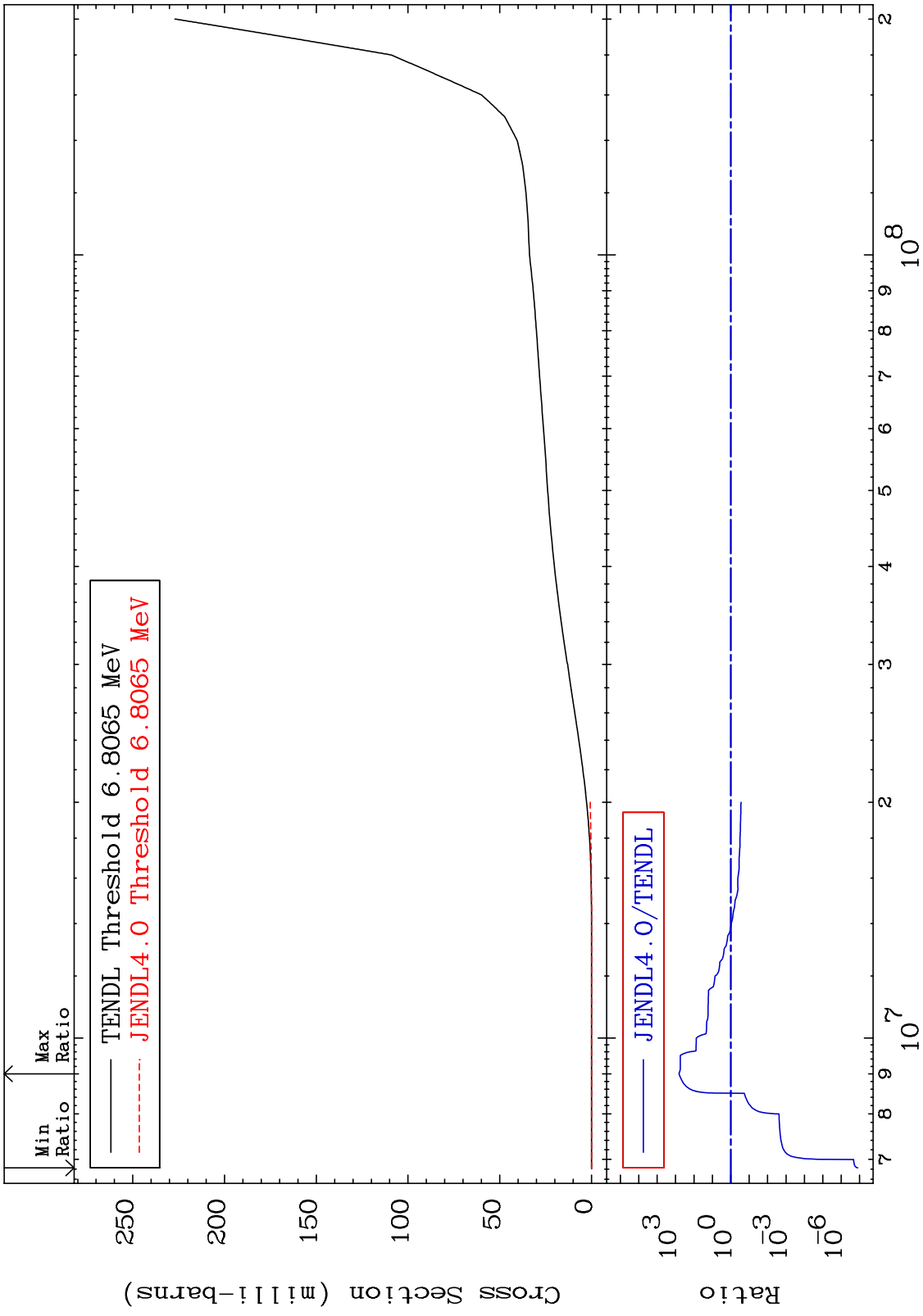


MAT 6237

Deuterium Production
Cross Section

62-Sm-148
-99.99 To 9999. %

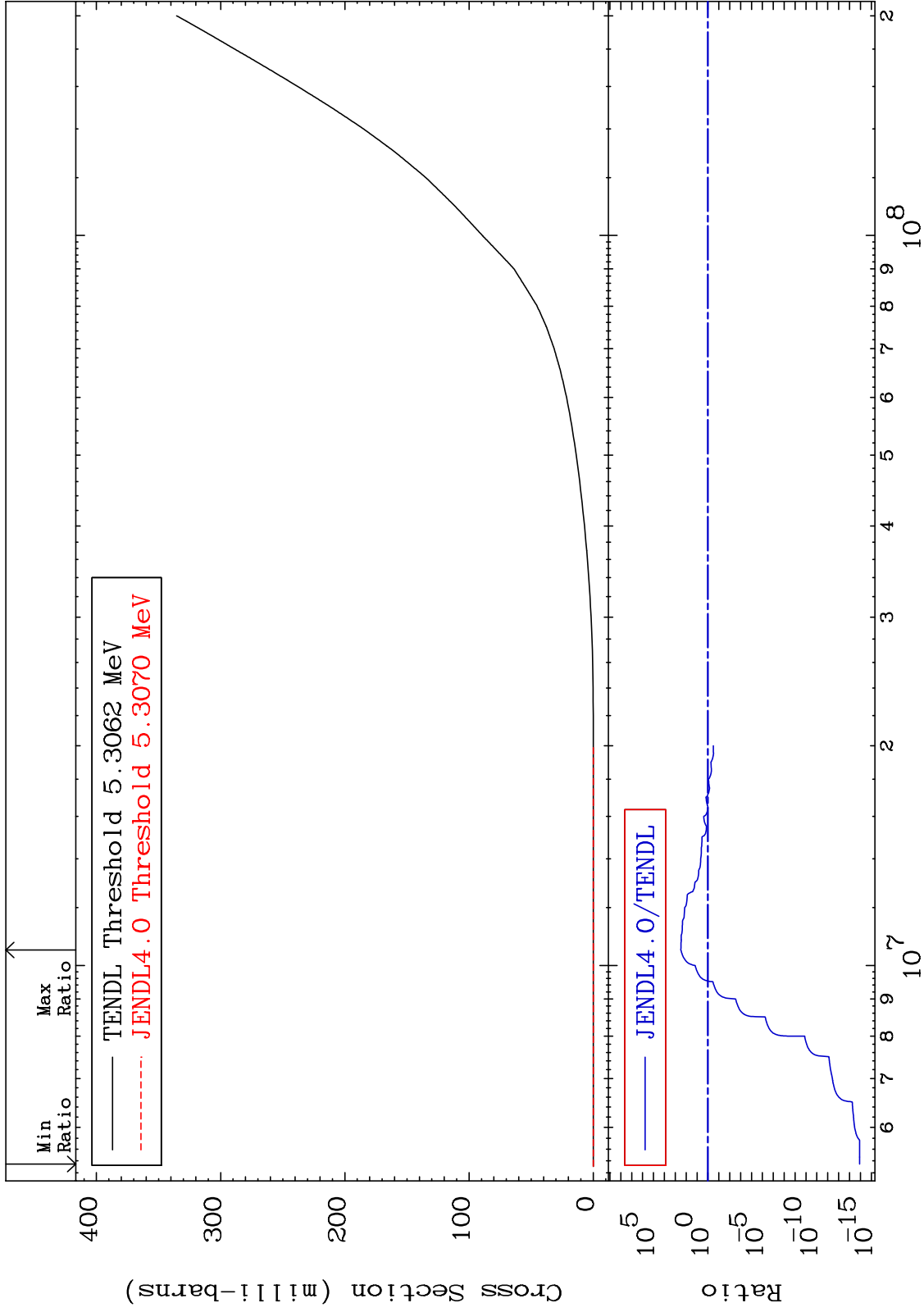




MAT 6237

He-3 Production
Cross Section

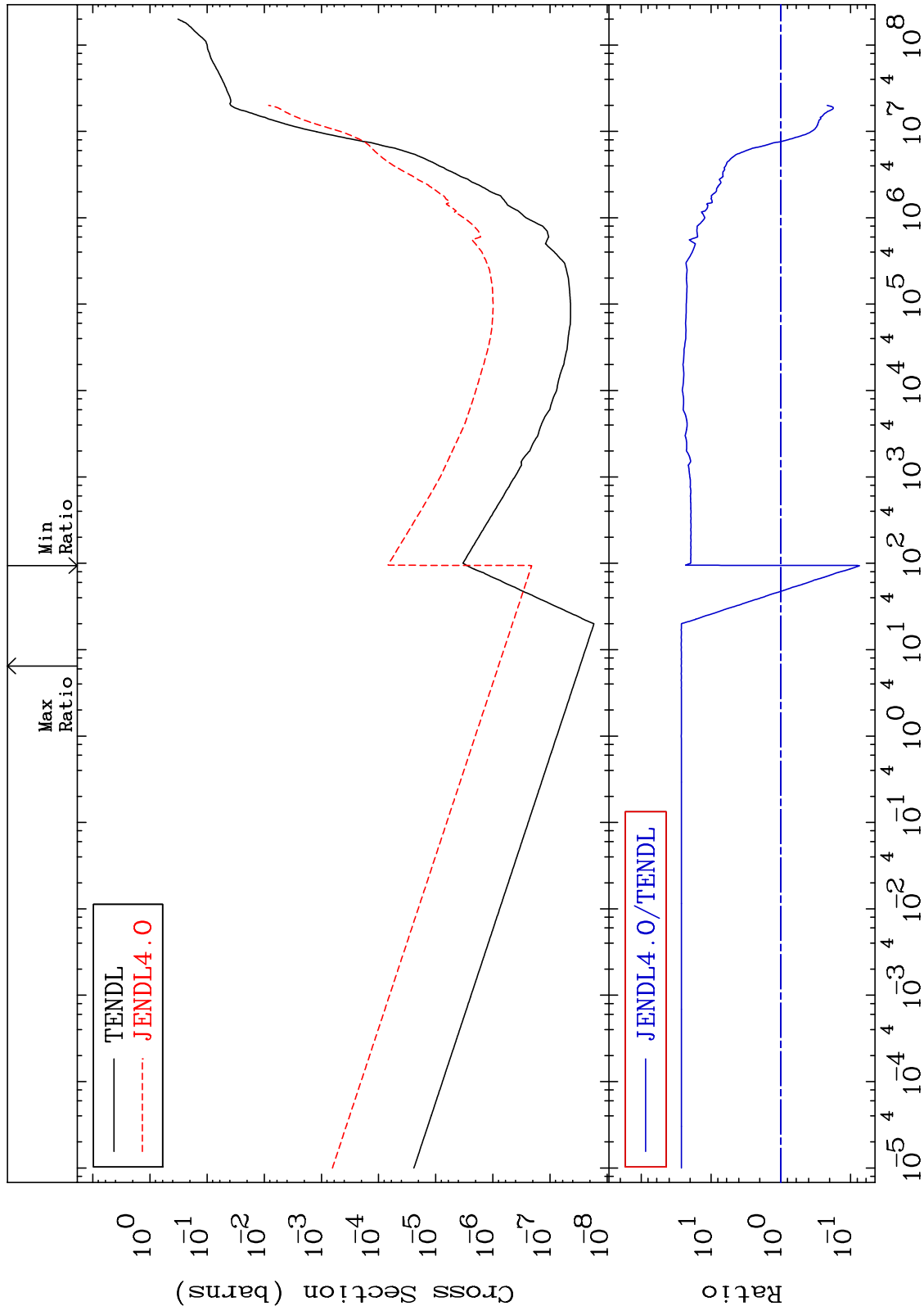
62-Sm-148
-100.0 To 9999. %



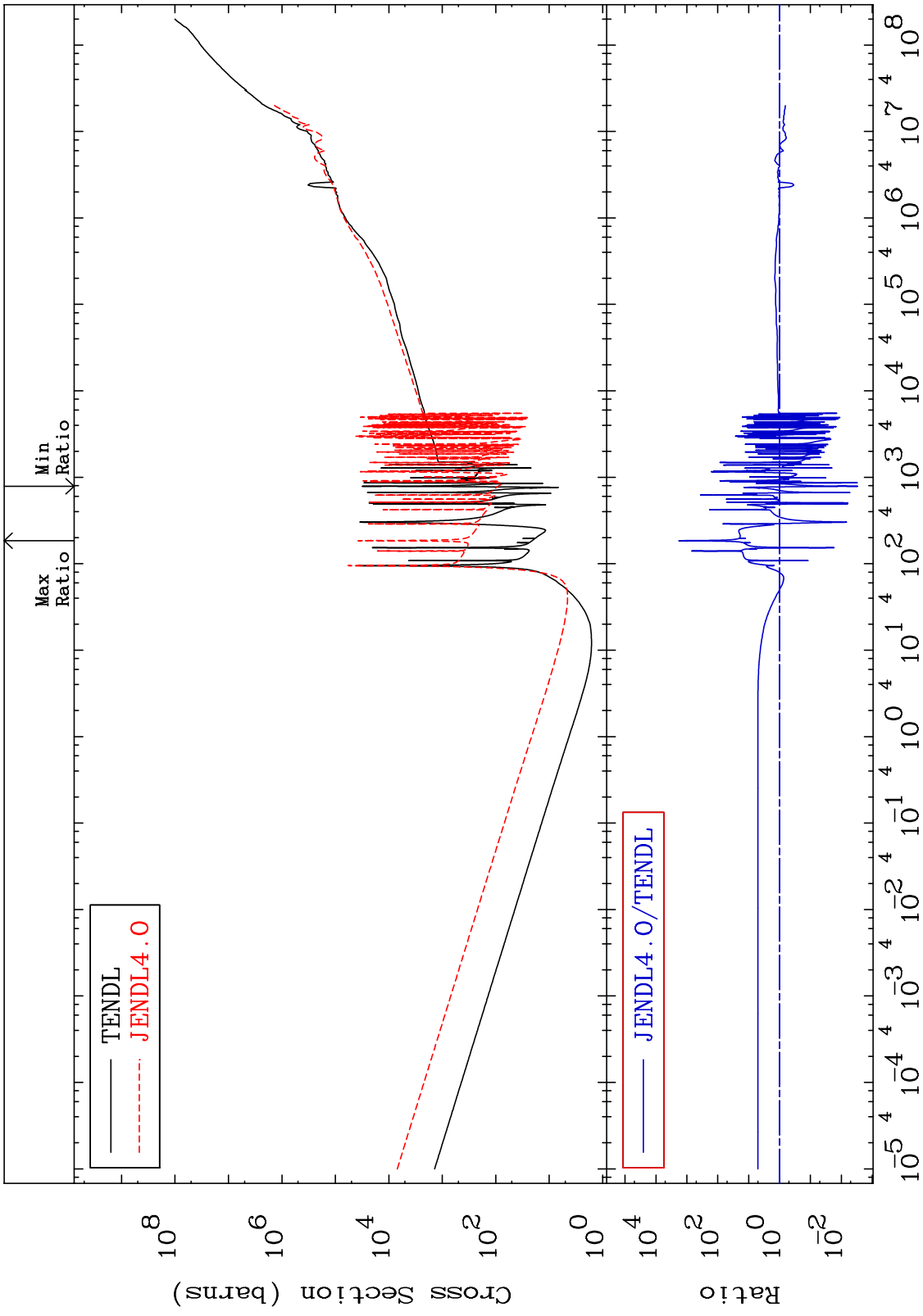
MAT 6237

He-4 Production
Cross Section

62-Sm-148
-92.62 To 2576. %



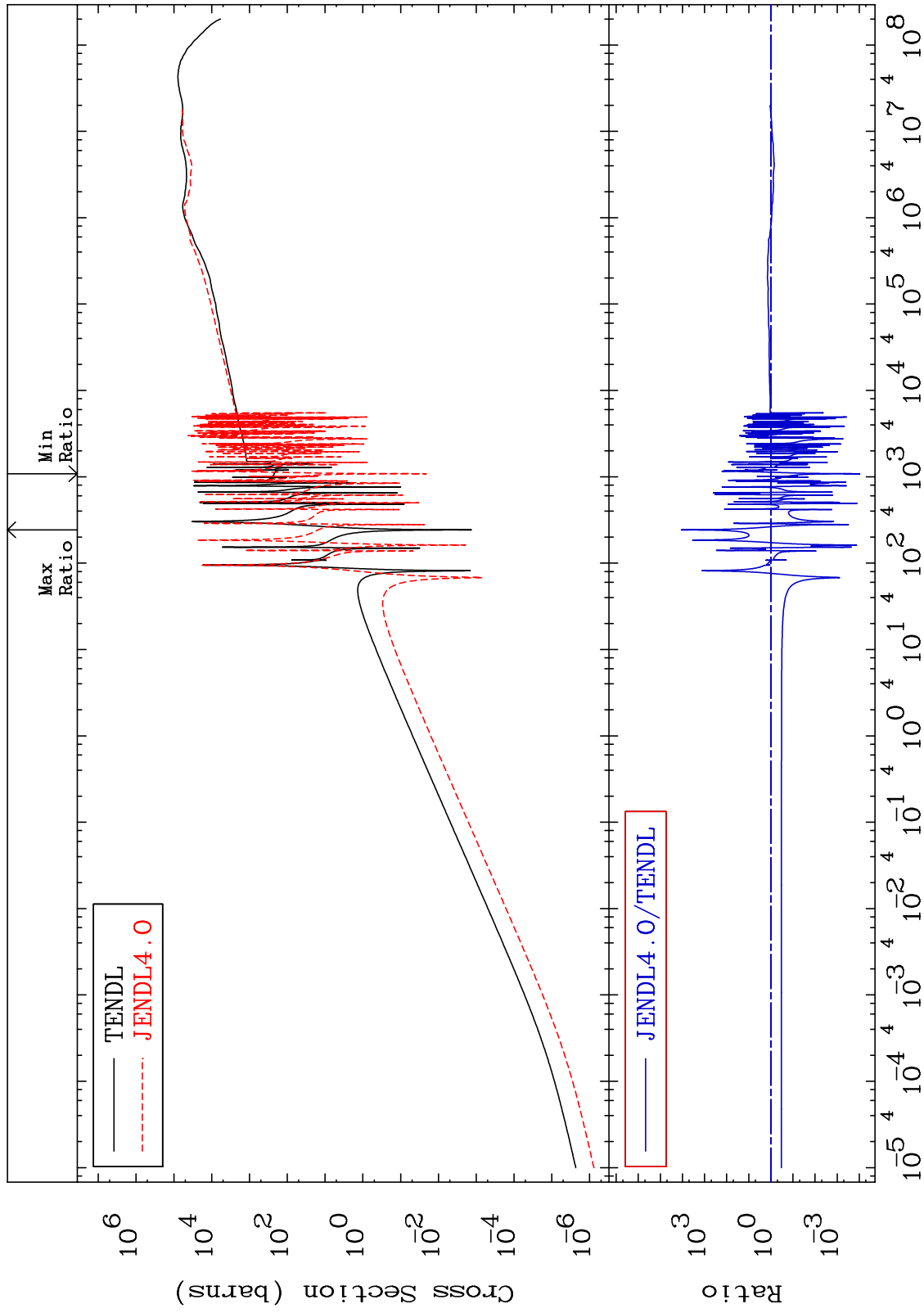
MAT 6237 Kerma total (eV-barns) 62-Sm-148
 Cross Section -99.71 To 9999. %



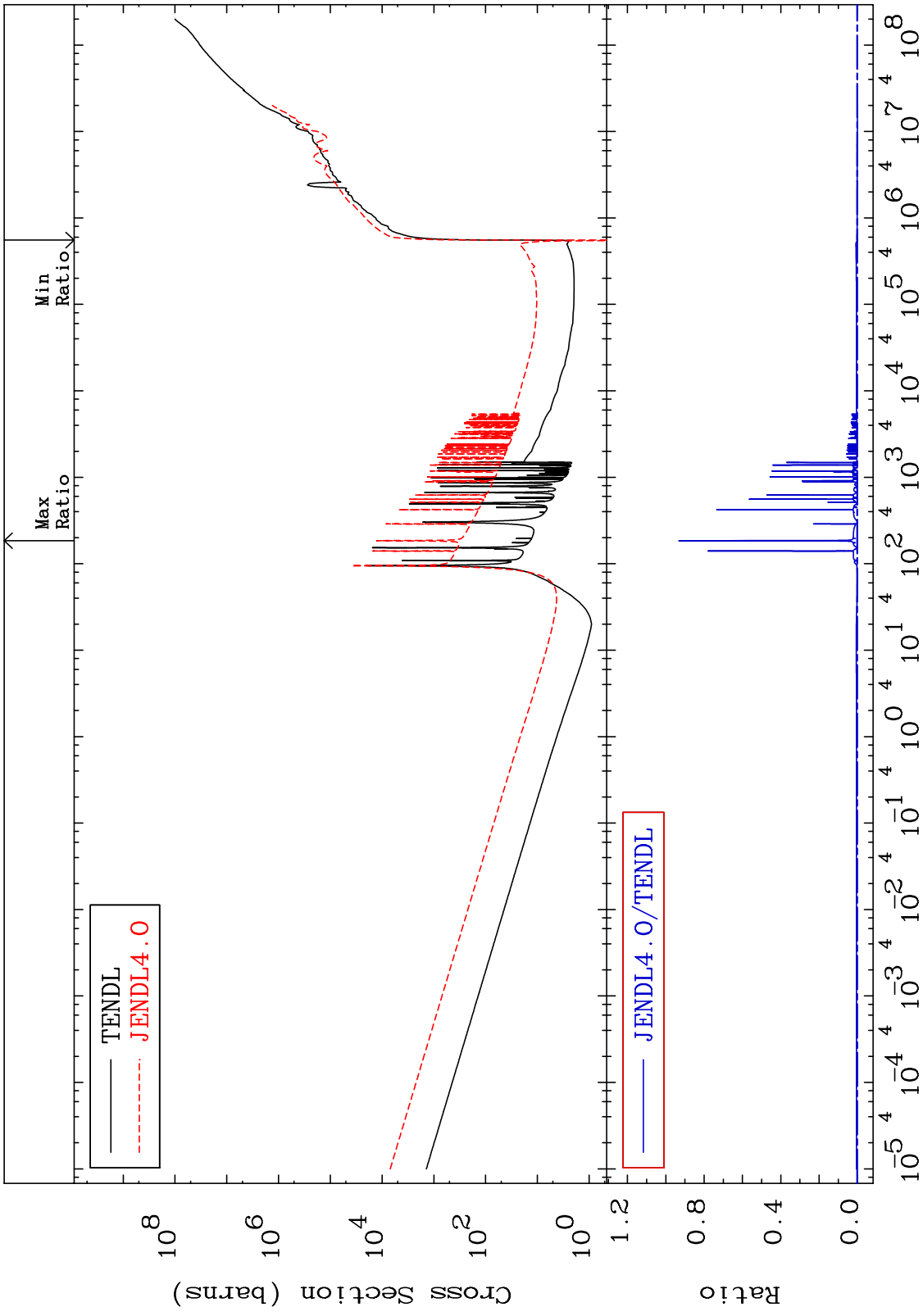
MAT 6237

Kerma elastic
Cross Section

62-Sm-148
-99.99 To 9999. %



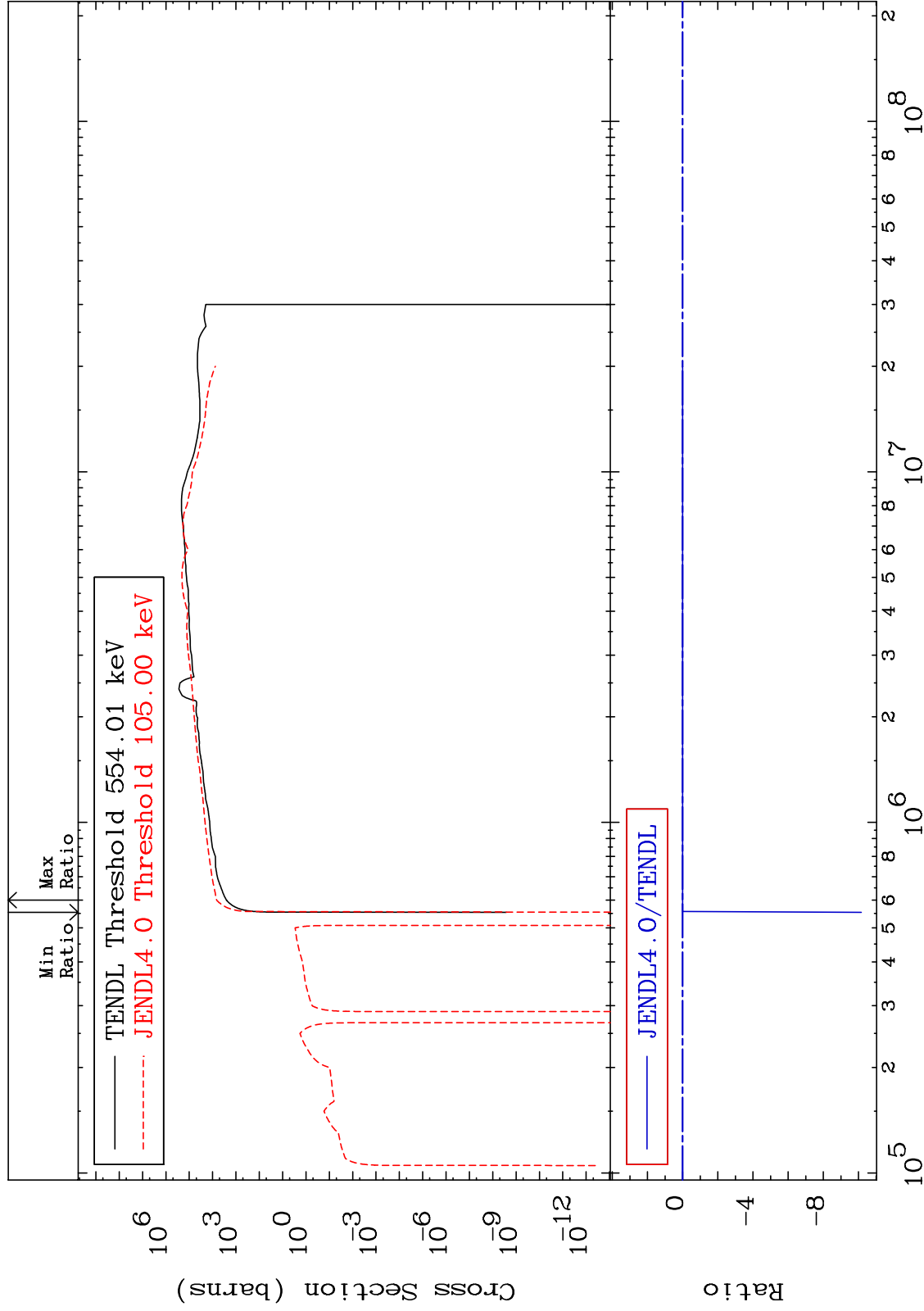
MAT 6237 Kerma non-elastic (all but mt2) 62-Sm-148
 Cross Section -315.7 To 9999. %



MAT 6237

Kerma inelastic (mt51-91)
Cross Section

62-Sm-148
-9999. To 161.7 %

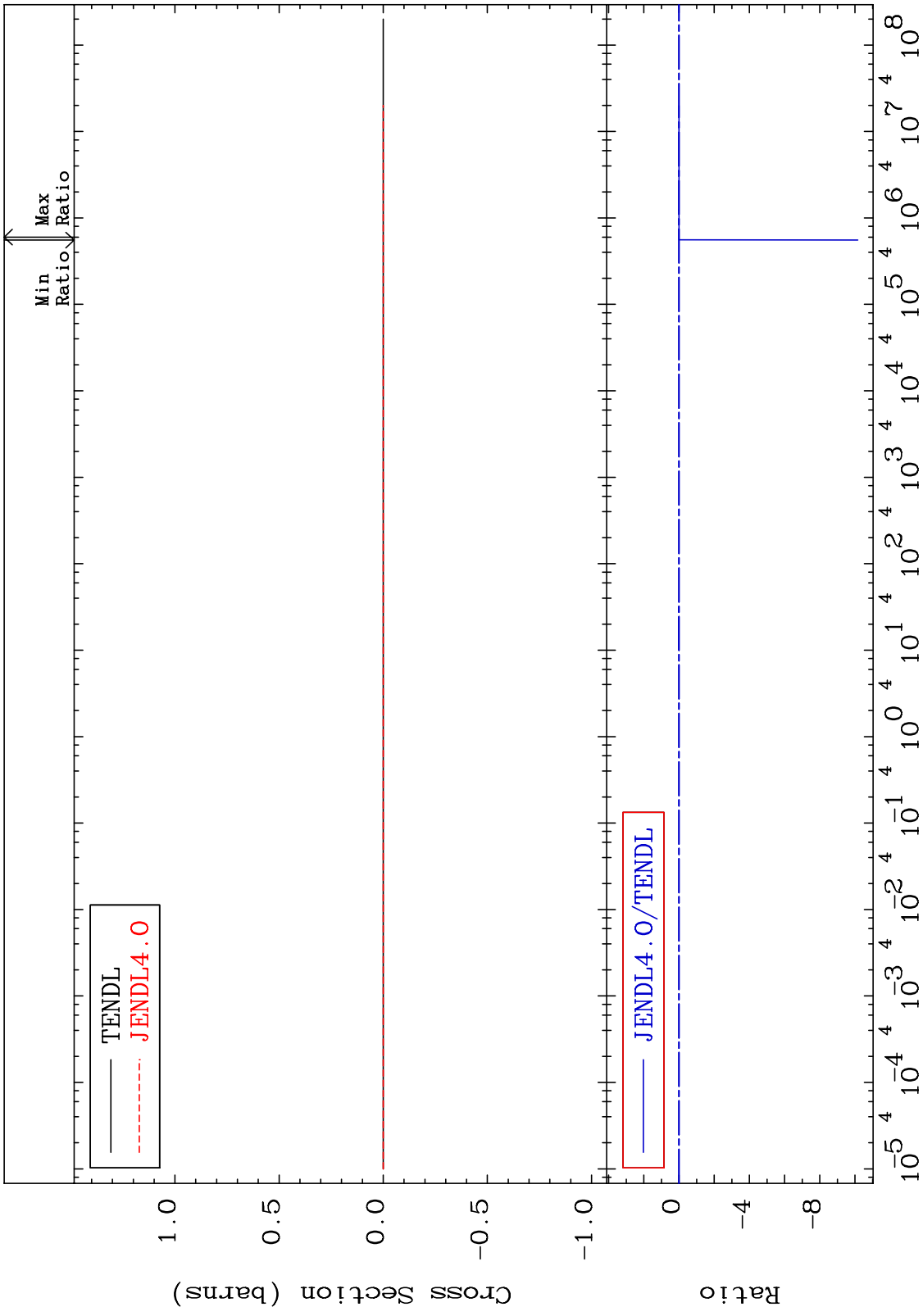


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Incident Energy (eV)

62-Sm-148

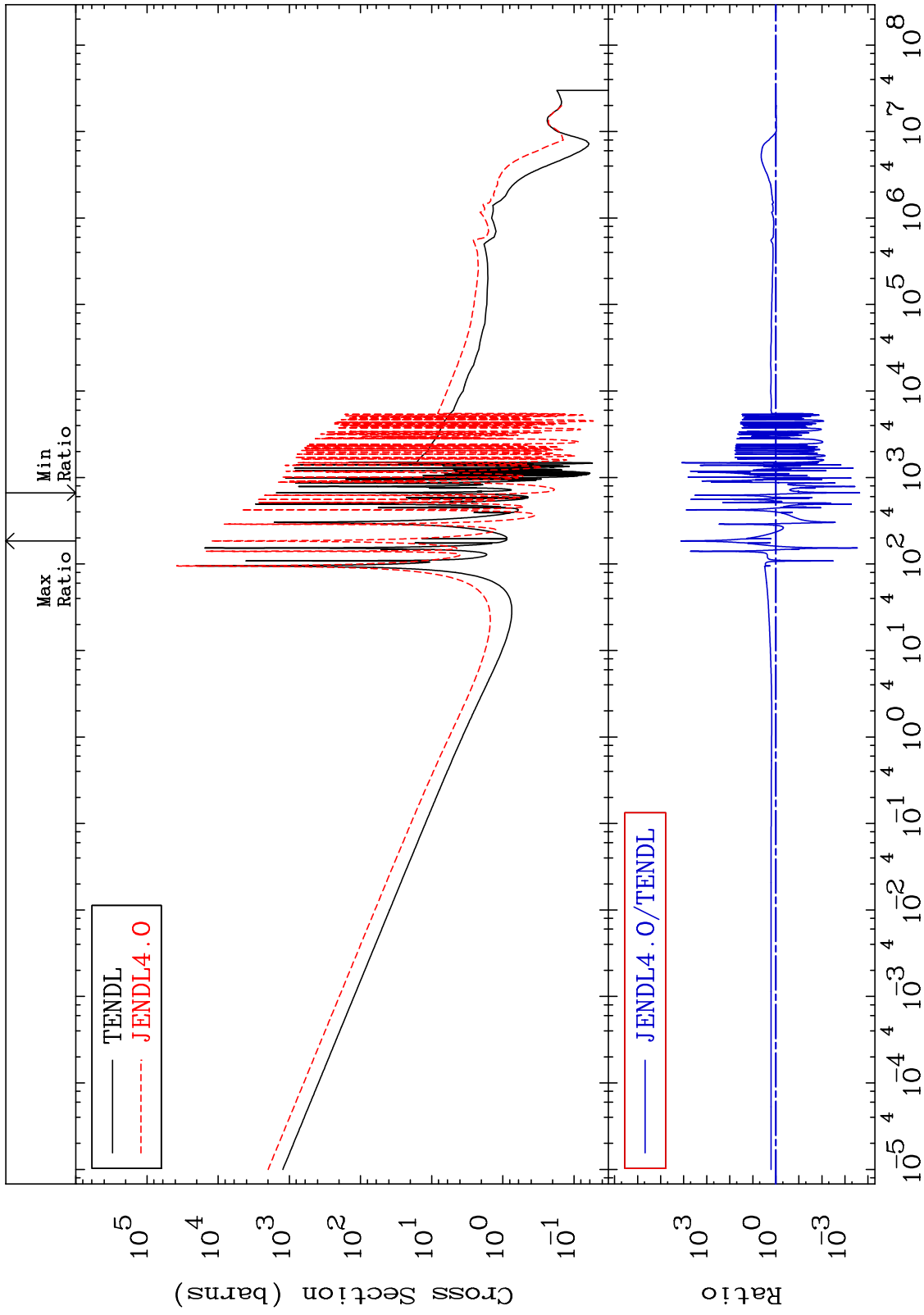
MAT 6237 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-148
 Cross Section -9999. To 161.7 %



MAT 6237

Kerma capture (mt102)
Cross Section

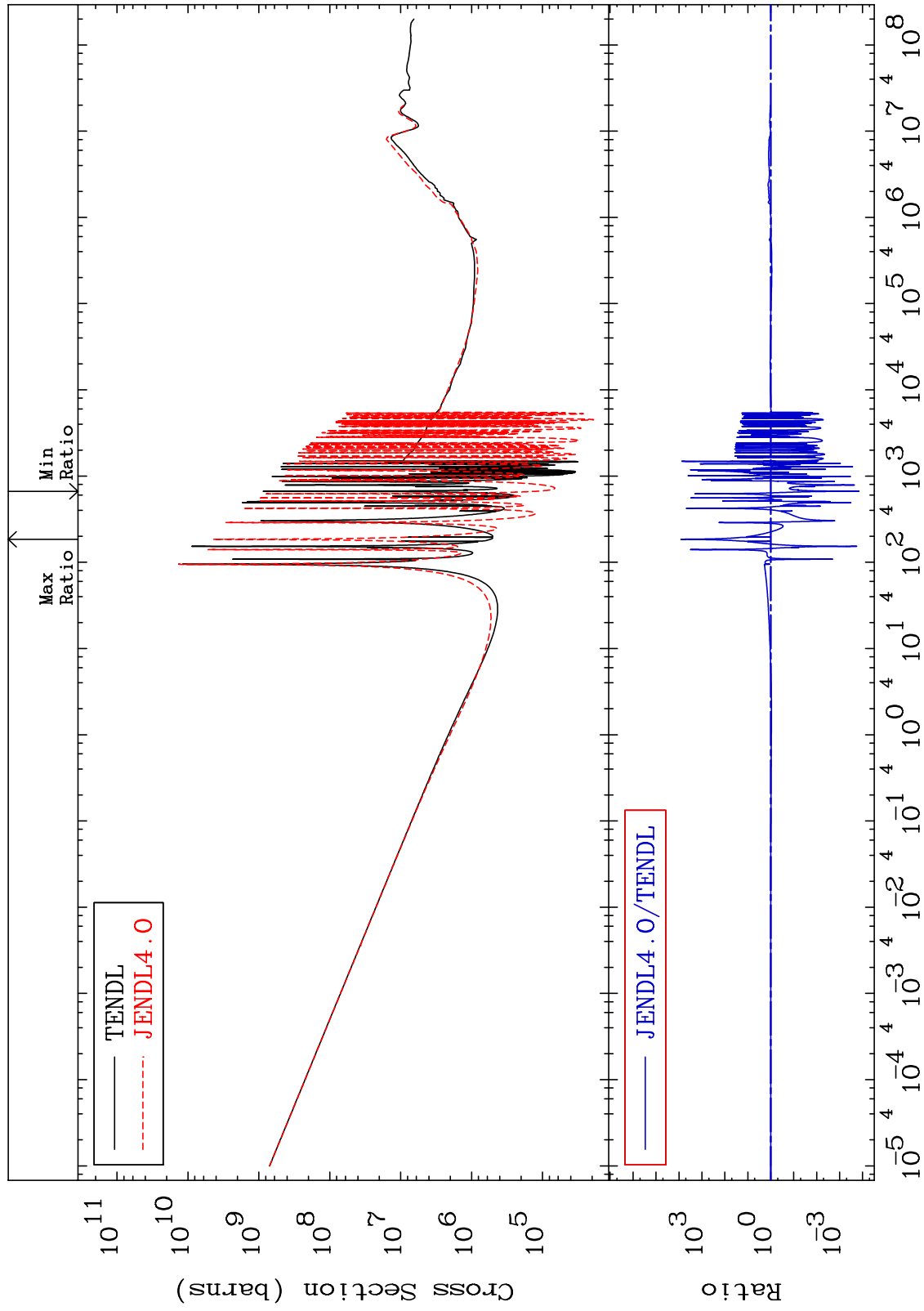
62-Sm-148
-99.98 To 9999. %



MAT 6237

Total photon (eV-barns)
Cross Section

62-Sm-148
-99.99 To 9999. %

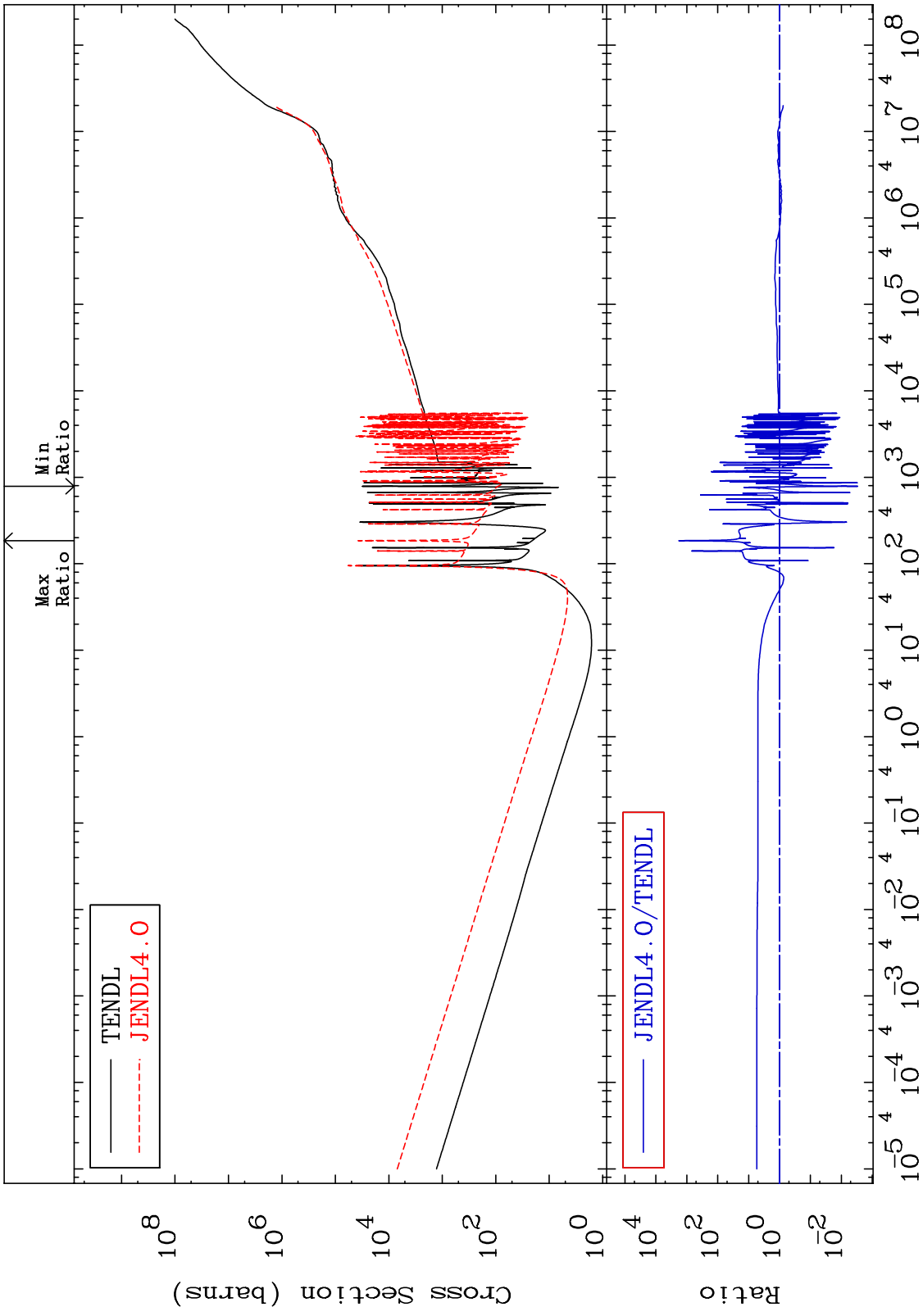


61

Incident Energy (eV)

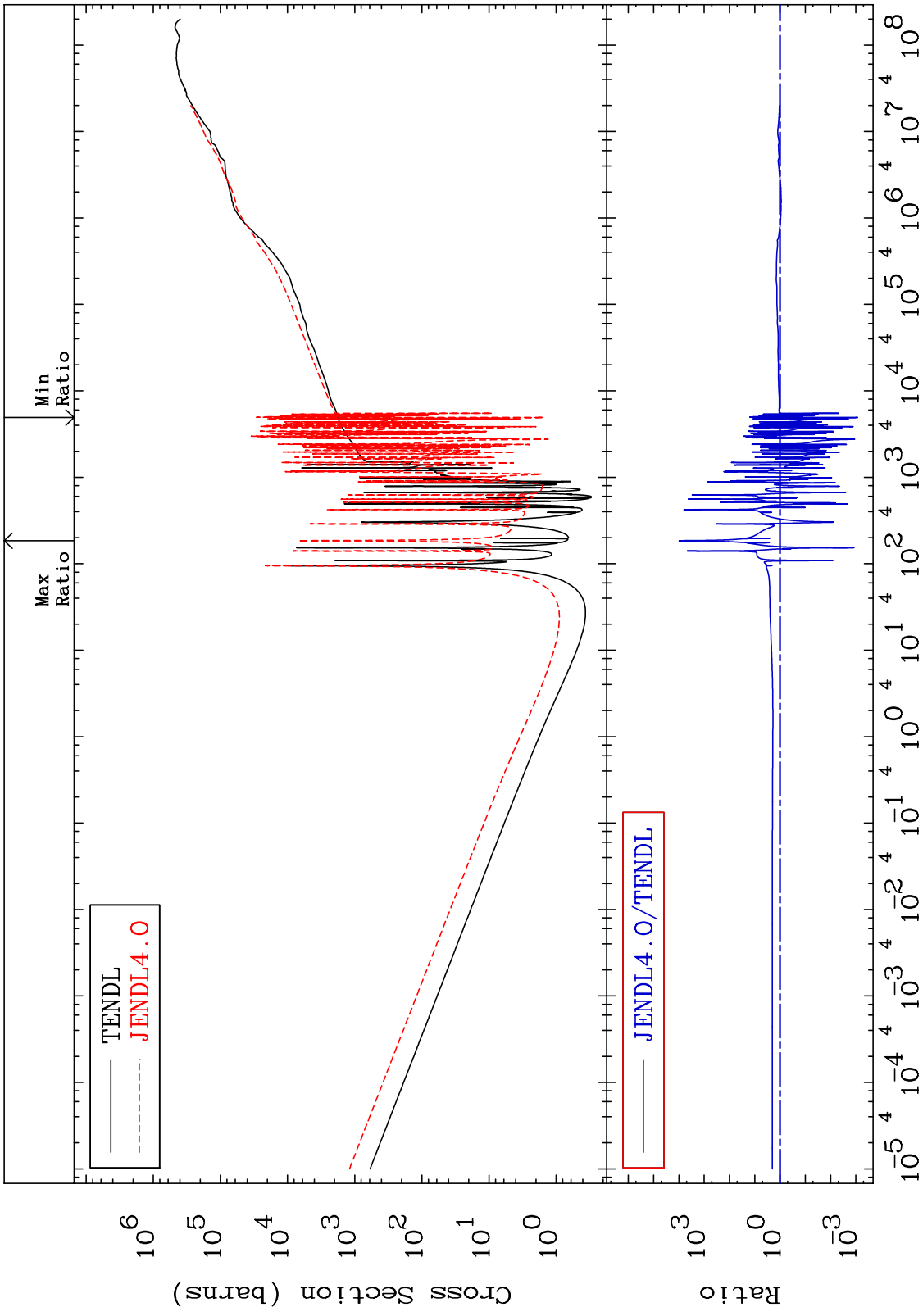
62-Sm-148

MAT 6237 Total kinematic kerma (high limit) 62-Sm-148
 -99.71 To 9999. %
 Cross Section



62 62-Sm-148

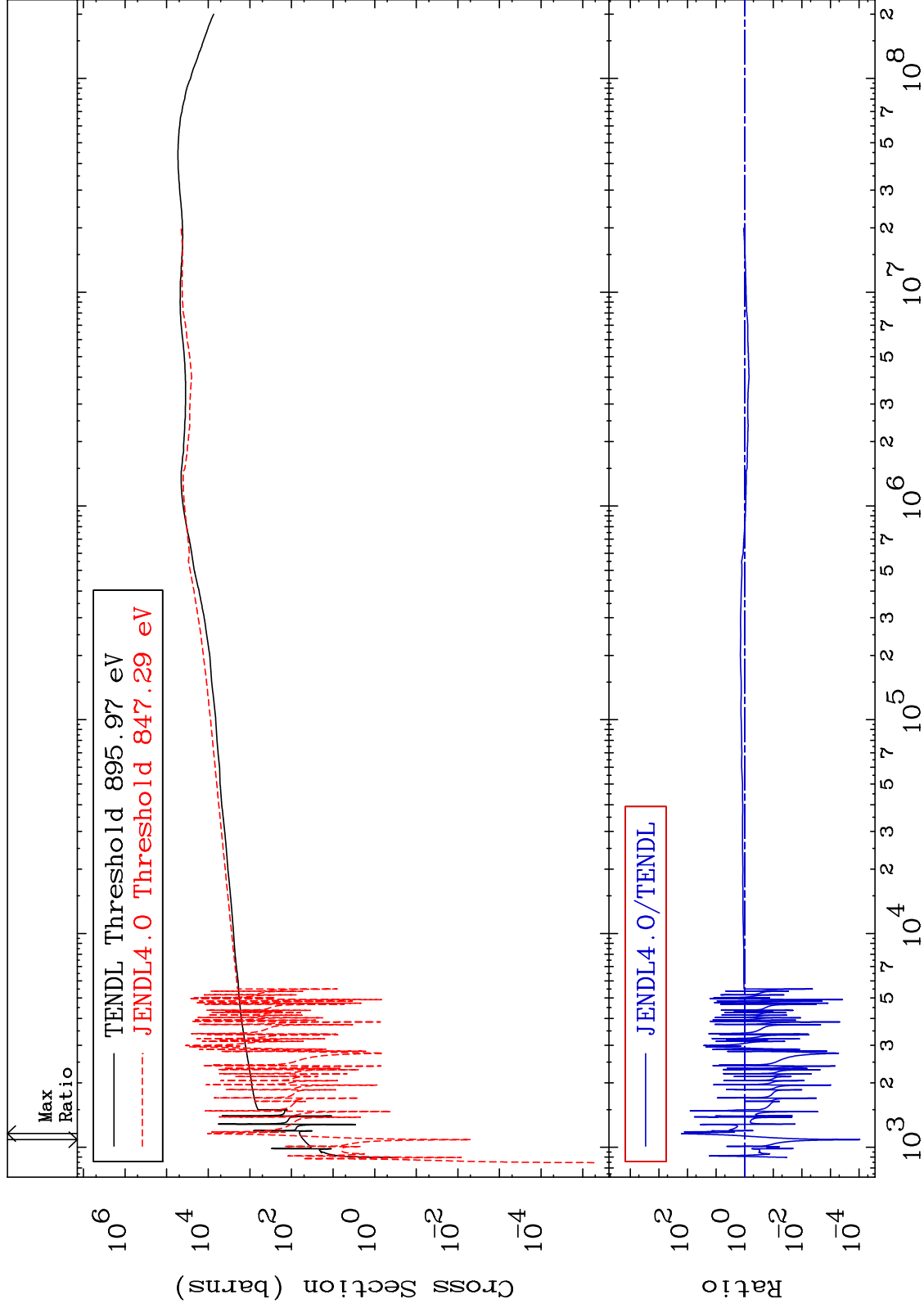
MAT 6237 Dpa total (eV-barns) 62-Sm-148
 Cross Section -99.92 To 9999. %



MAT 6237

Dpa elastic (mt2)
Cross Section

62-Sm-148
-99.99 To 9999. %



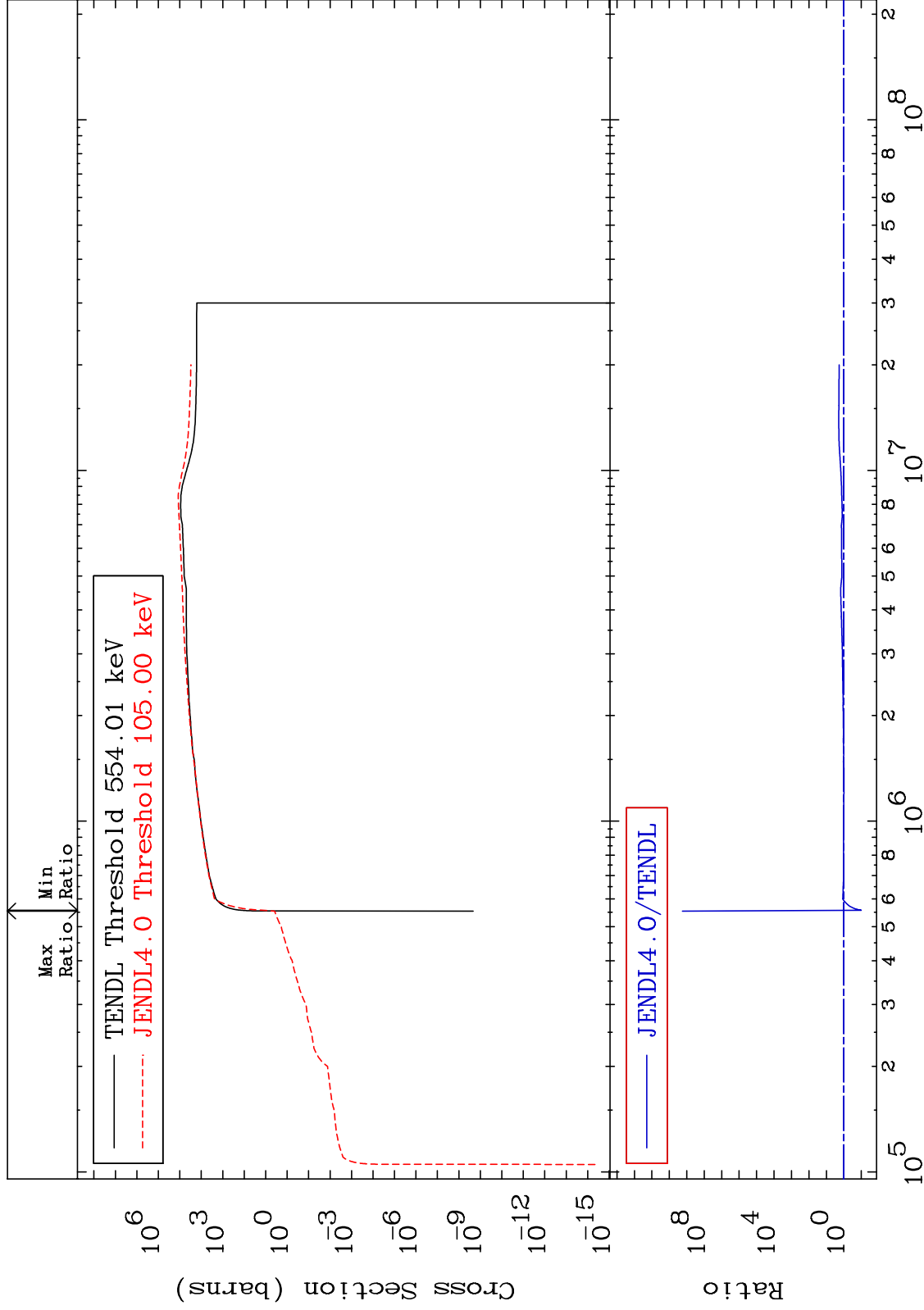
64

62-Sm-148

MAT 6237

Dpa inelastic (mt51-91)
Cross Section

62-Sm-148
-90.00 To 9999. %



65

Incident Energy (eV)

62-Sm-148

MAT 6237

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-148
-99.88 To 9999. %

