

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

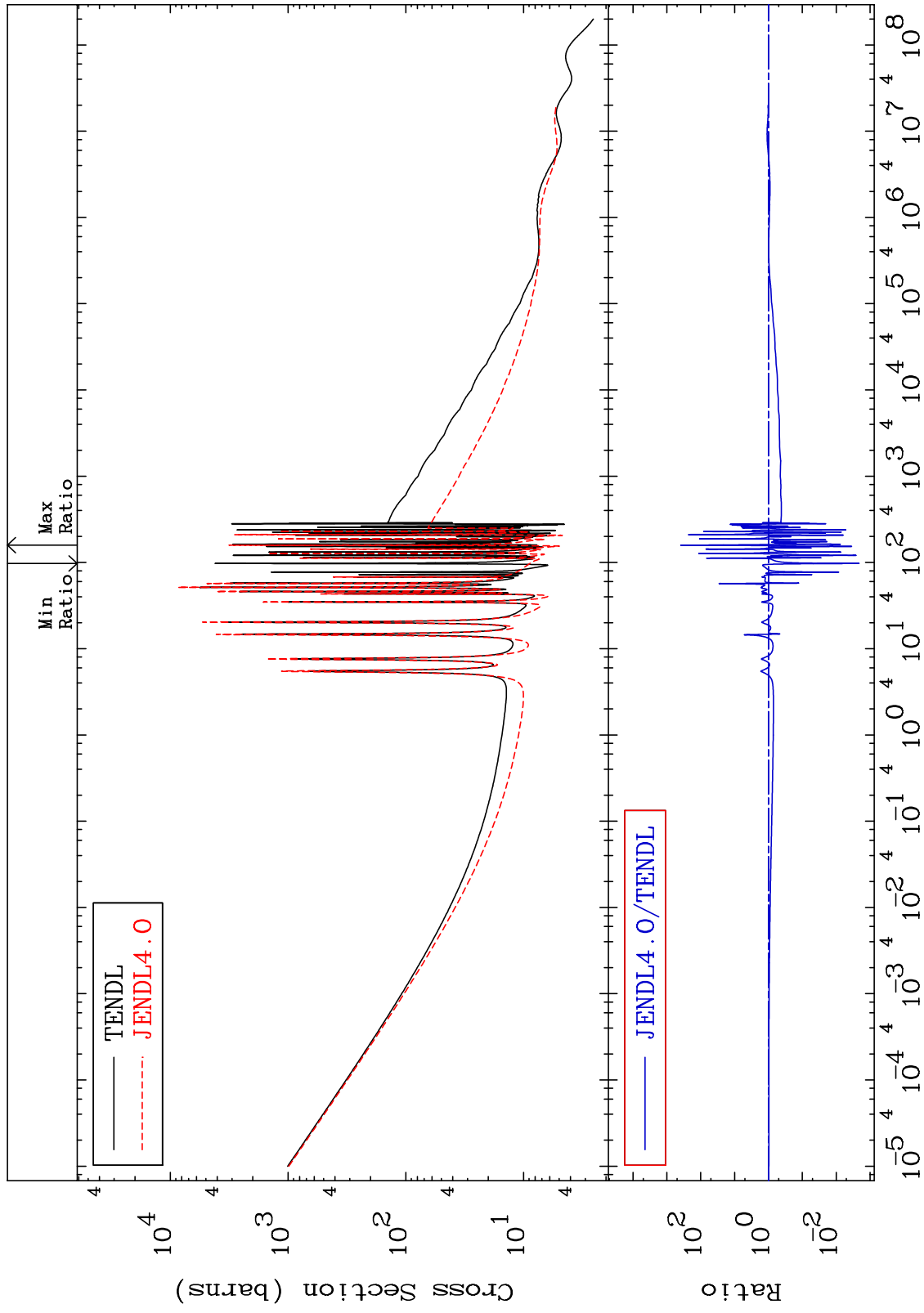
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6825

Total
Cross Section

68-Er-162
-99.79 To 9999. %



1

Incident Energy (eV)

68-Er-162

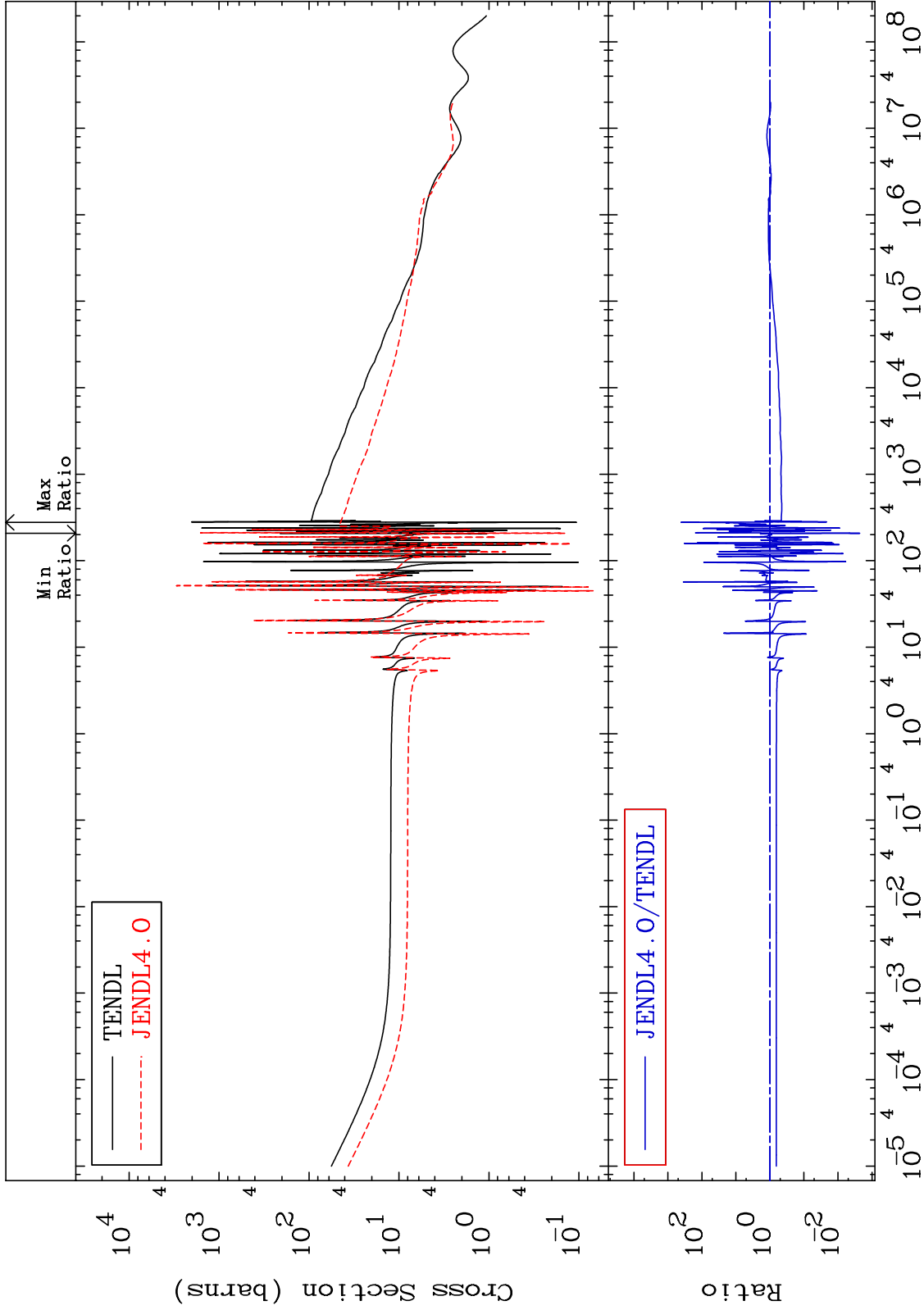
MAT 6825

Elastic

68-Er-162

Cross Section

-99.77 To 9999. %

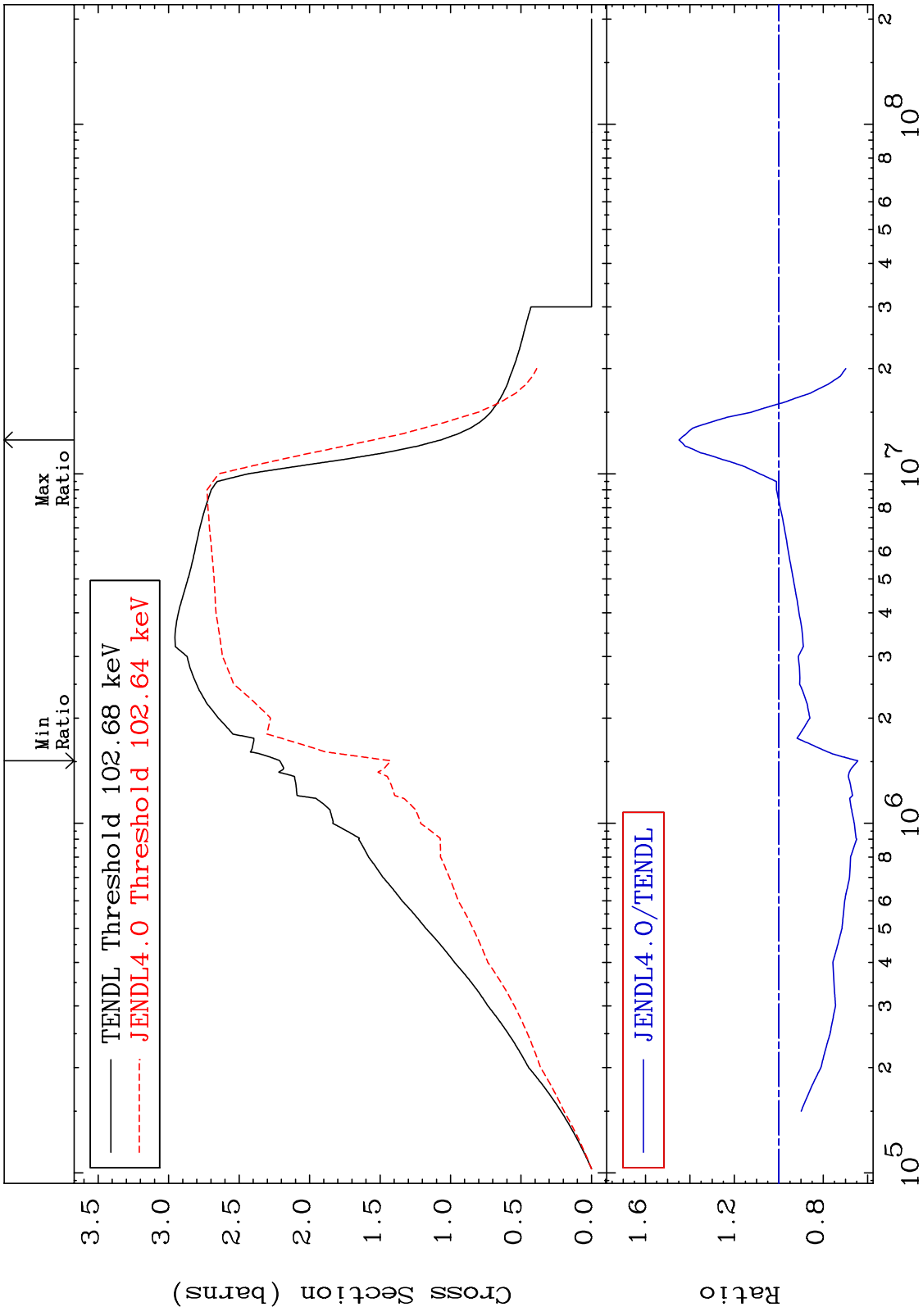


2

Incident Energy (eV)

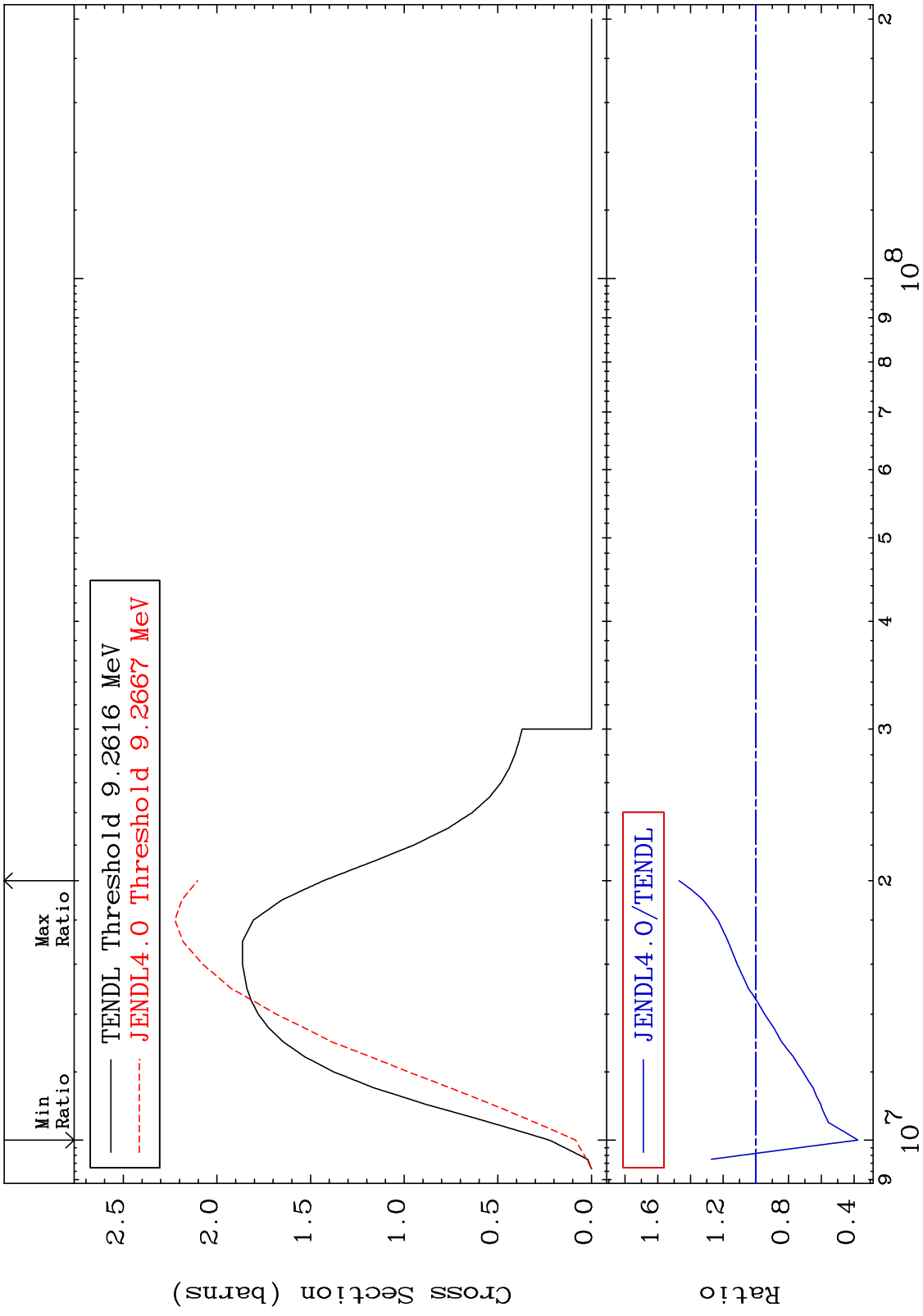
68-Er-162

MAT 6825 Inelastic Cross Section 68-Er-162 -35.56 To 44.90 %



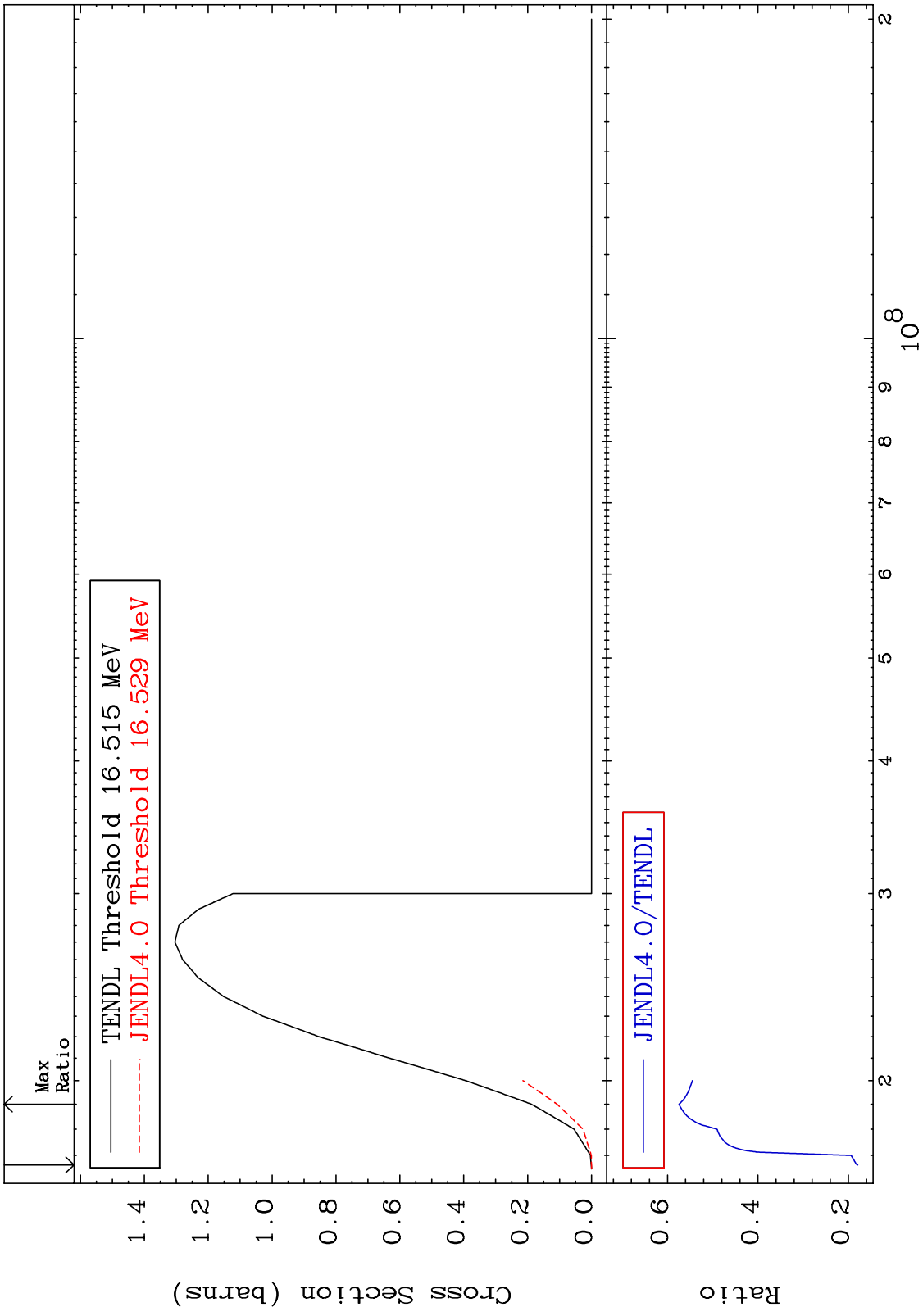
3 Incident Energy (eV) 68-Er-162

MAT 6825 $(n,2n)$ Cross Section 68-Er-162 -62.37 To 47.00 %



4 Incident Energy (eV) 68-Er-162

MAT 6825 (n,3n) Cross Section 68-Er-162 -82.10 To -42.55%



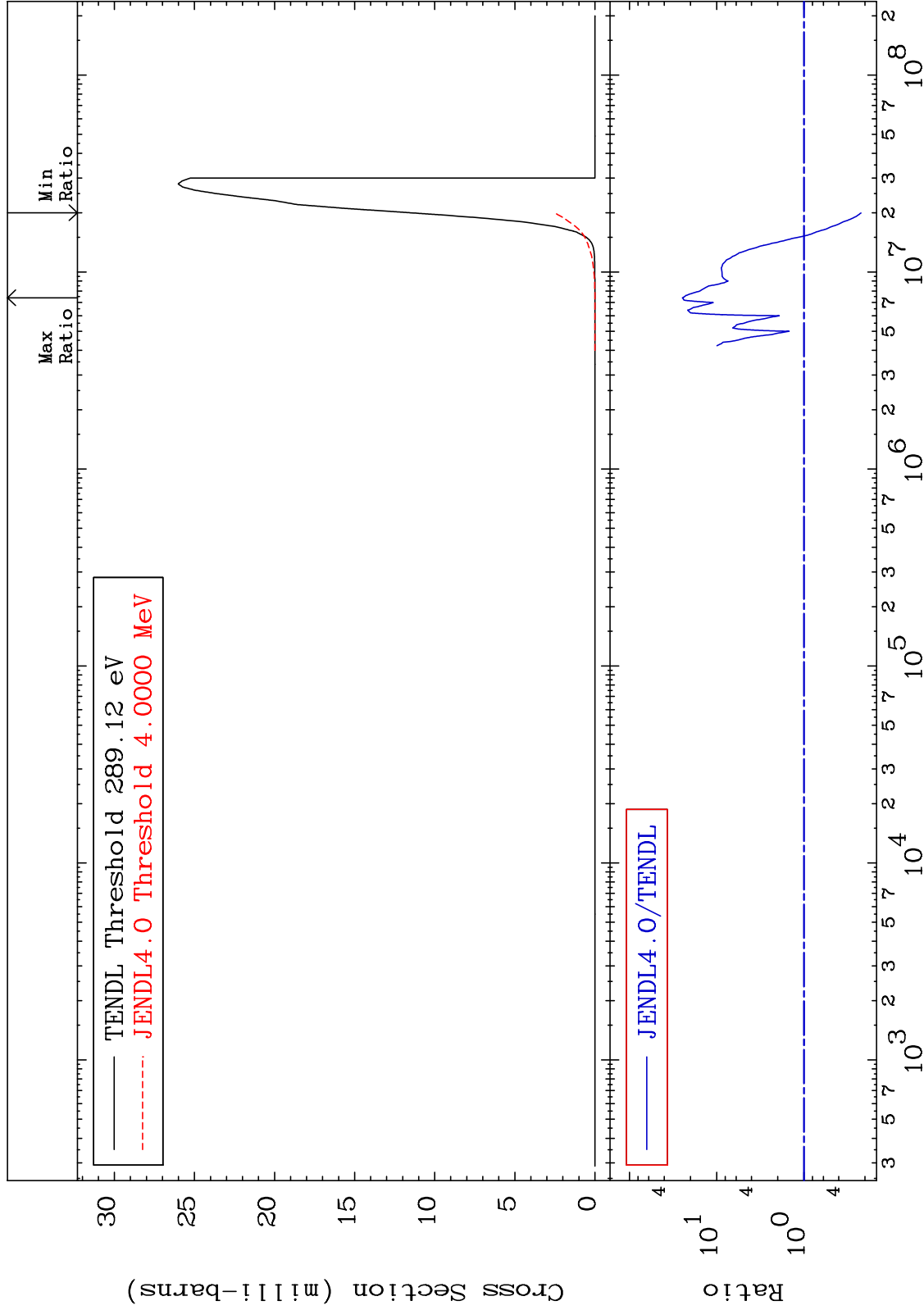
MAT 6825

(n, n') α

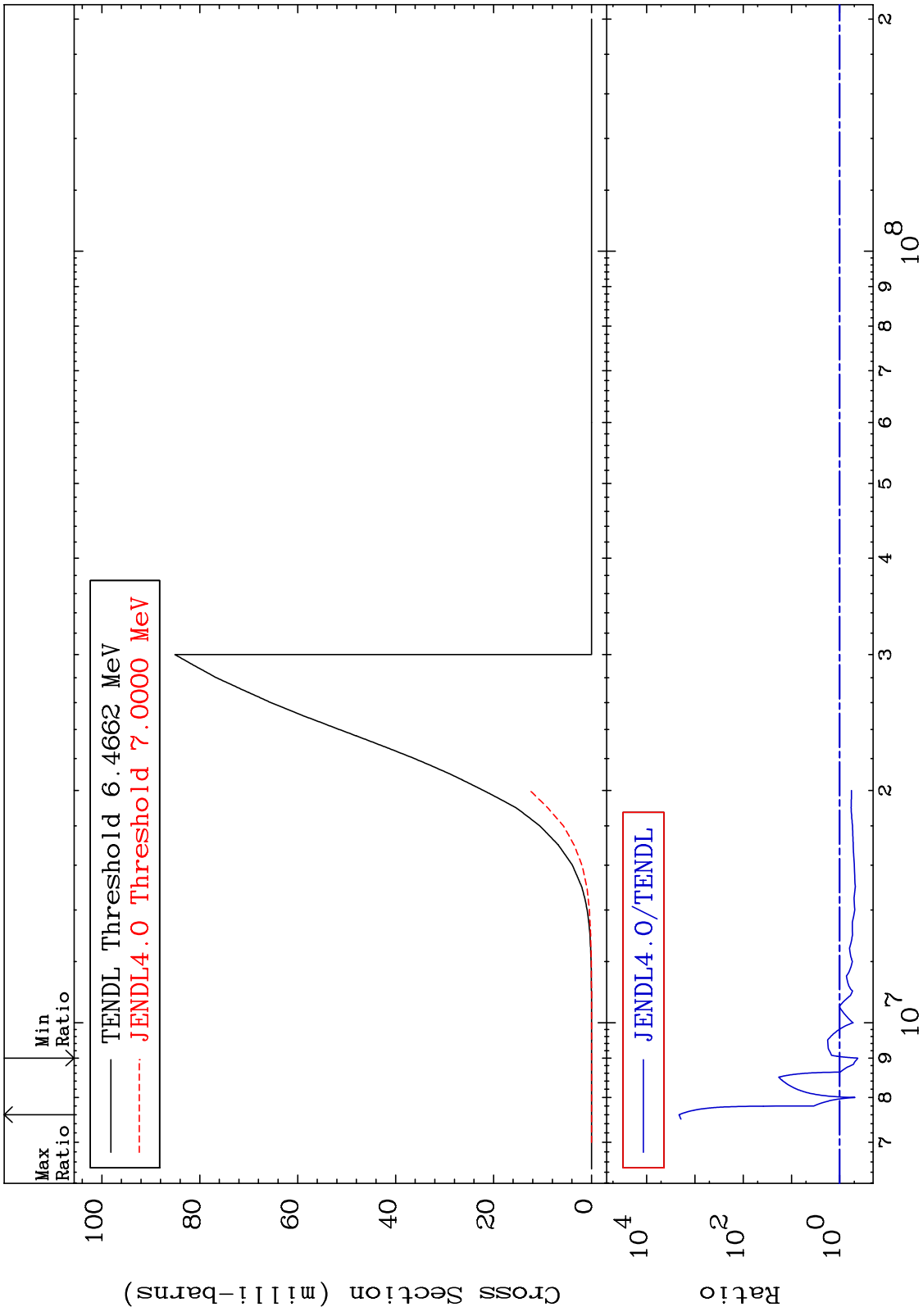
68-Er-162

Cross Section

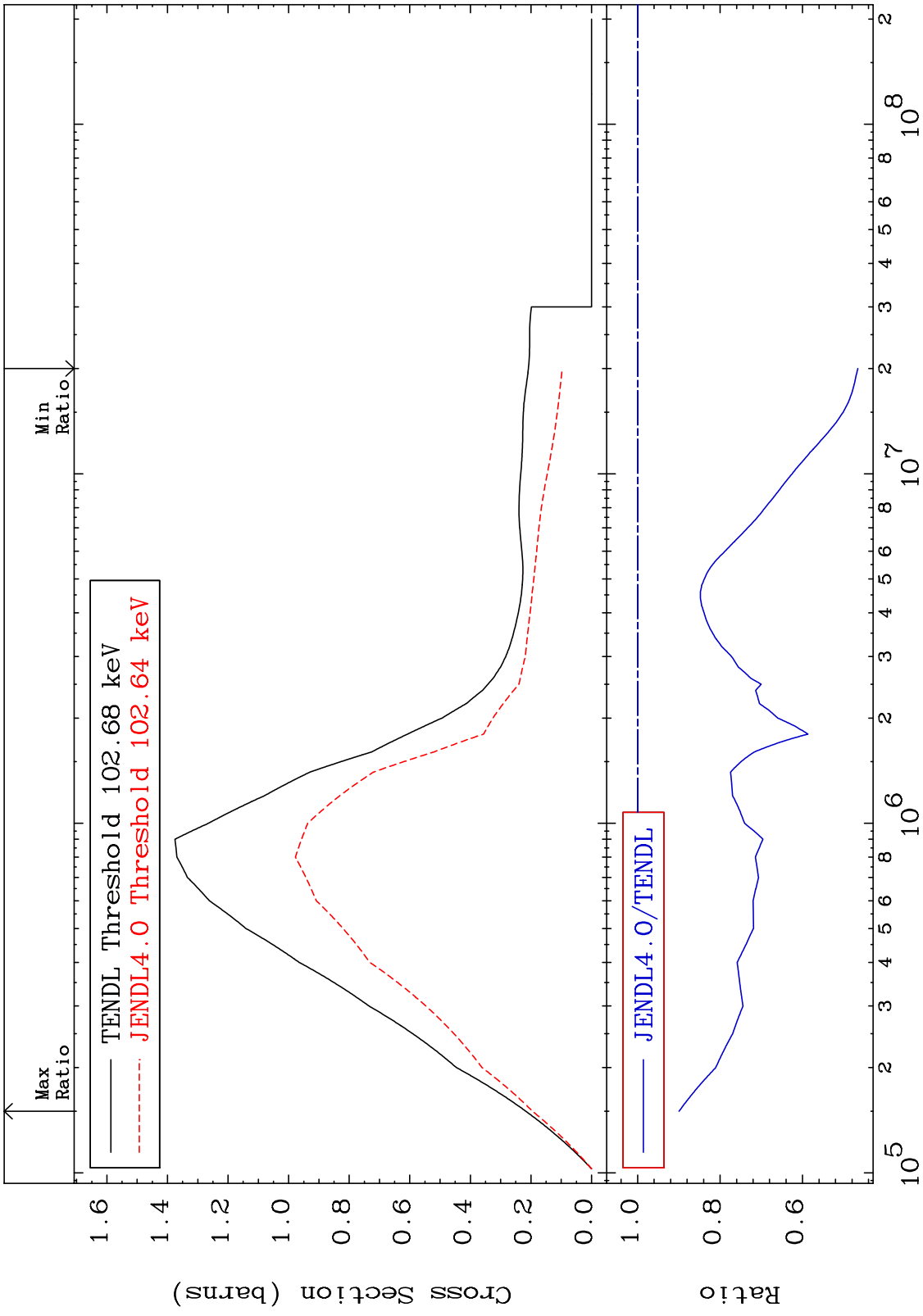
-77.93 To 2371. %



MAT 6825 (n,n') p 68-Er-162
 Cross Section -57.80 To 9999. %

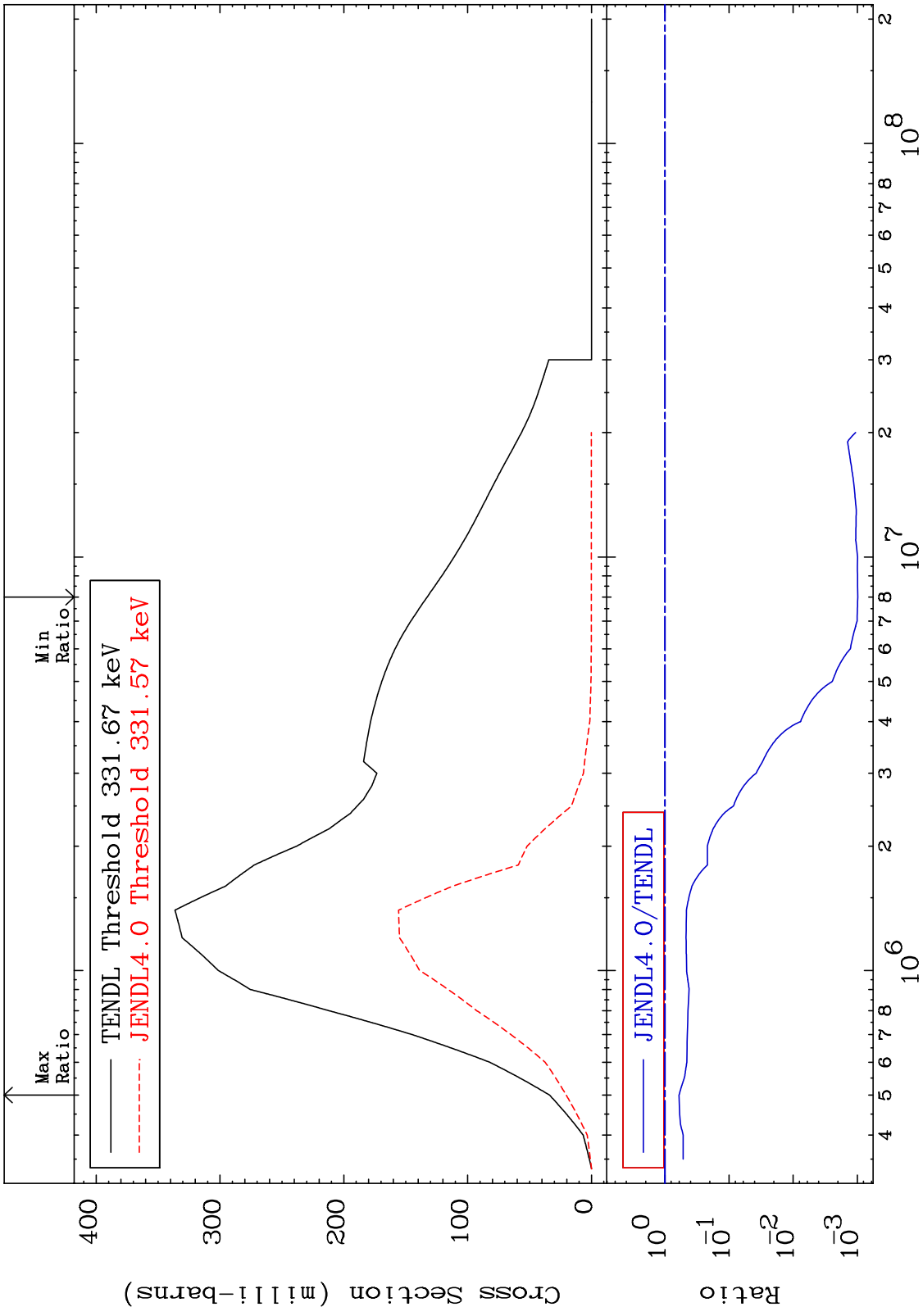


MAT 6825 MT= 51 (n,n') Level Cross Section 68-Er-162
 -53.40 To -10.05%

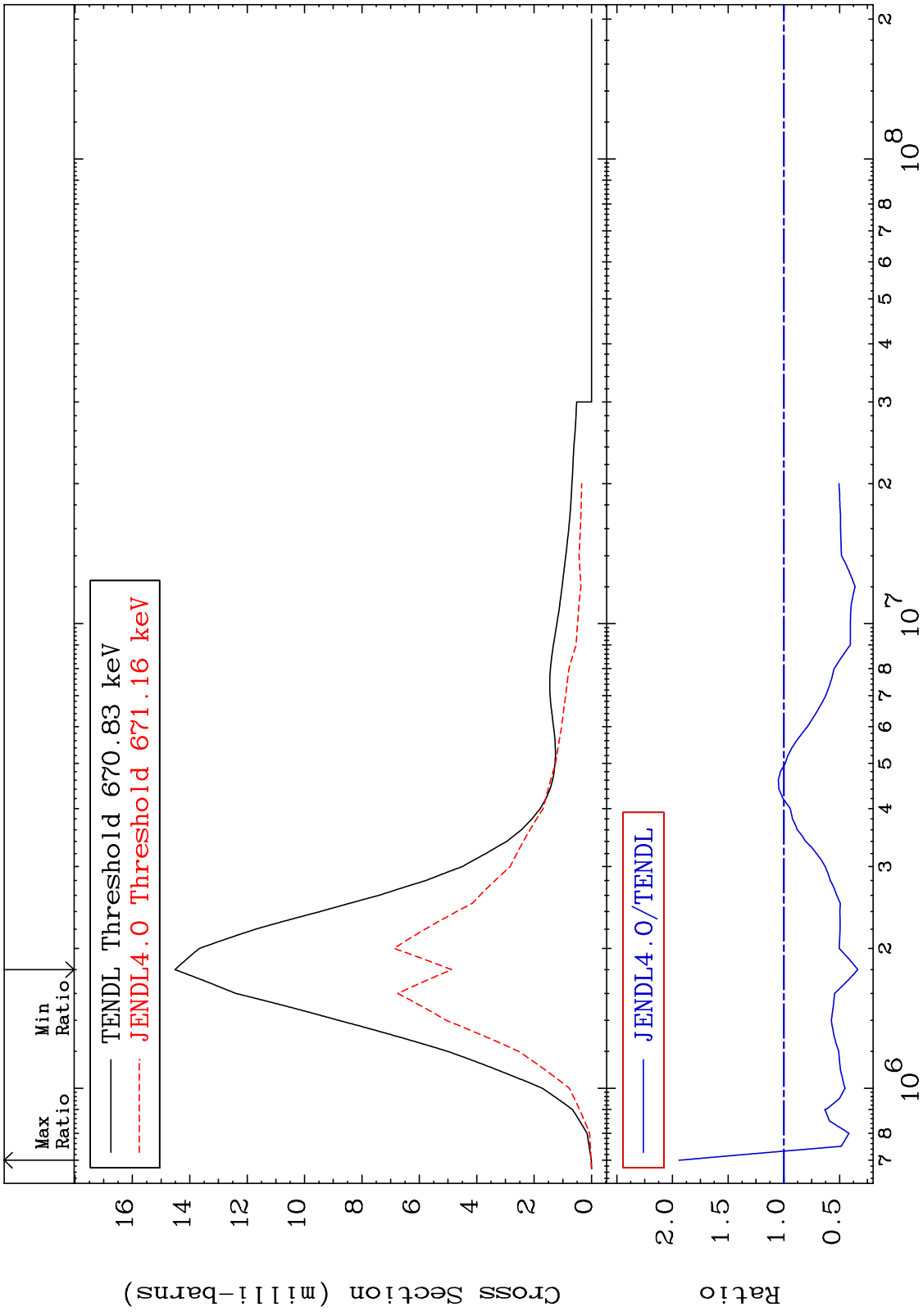


8 Incident Energy (eV) 68-Er-162

MAT 6825 MT= 52 (n,n') Level Cross Section 68-Er-162
 -99.90 To -39.69%

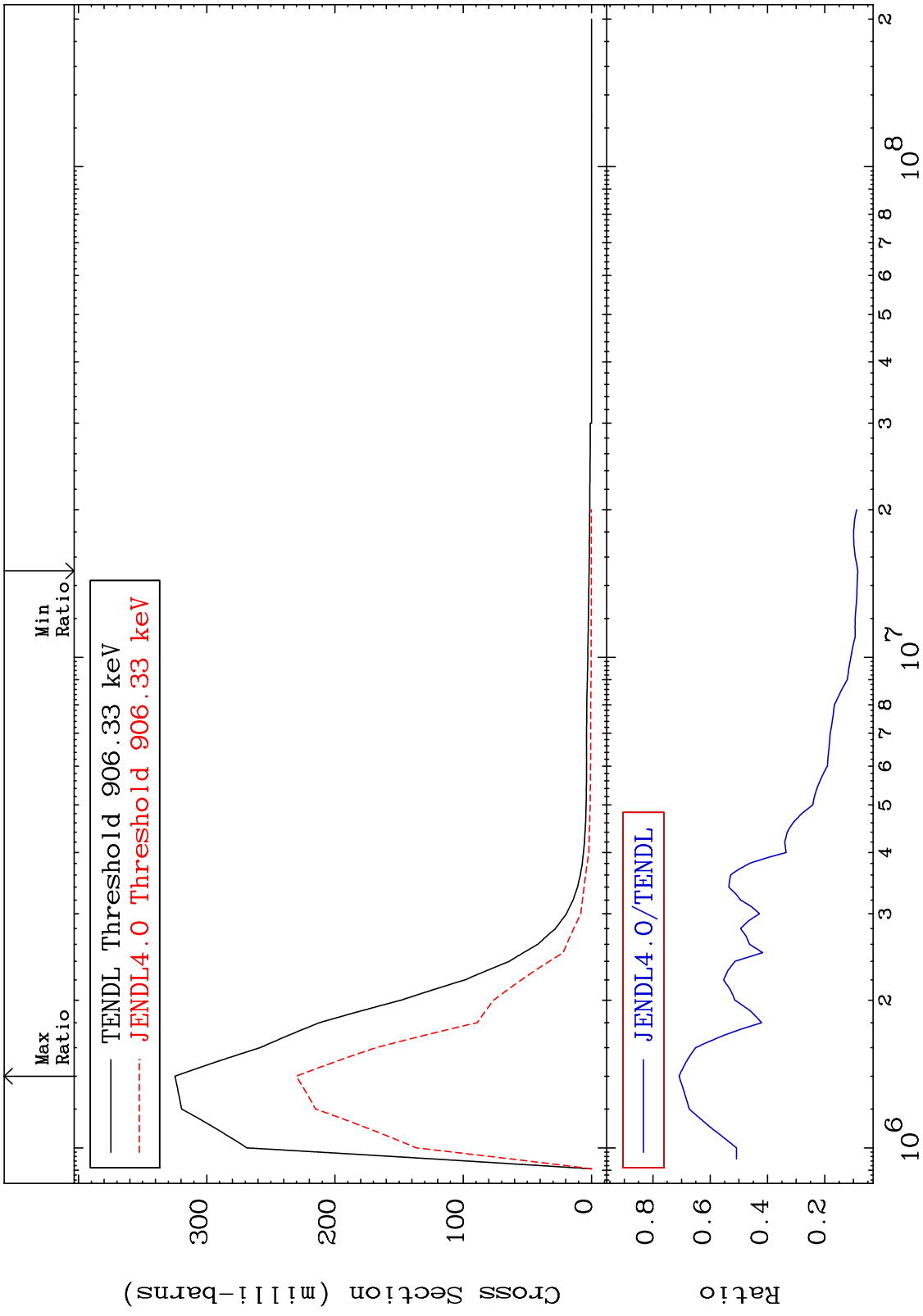


MAT 6825 MT= 53 (n,n') Level Cross Section 68-Er-162 -66.42 To 94.11 %

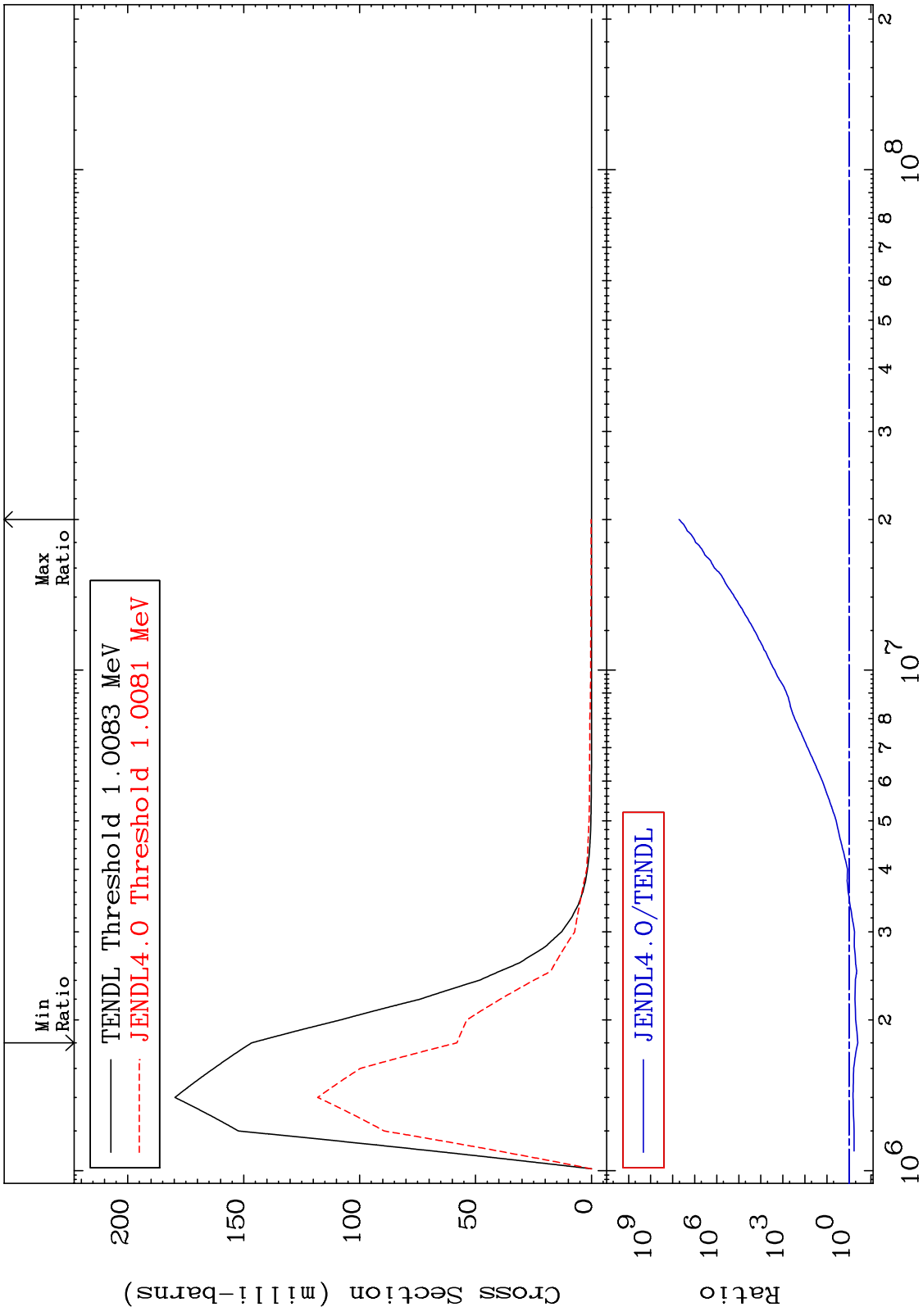


10 2.0 1.5 1.0 0.5 7 8 10⁶ 10⁷ 10⁸ 2 3 4 5 6 7 8 68-Er-162

MAT 6825 MT= 54 (n,n') Level Cross Section 68-Er-162 -91.53 To -29.11%

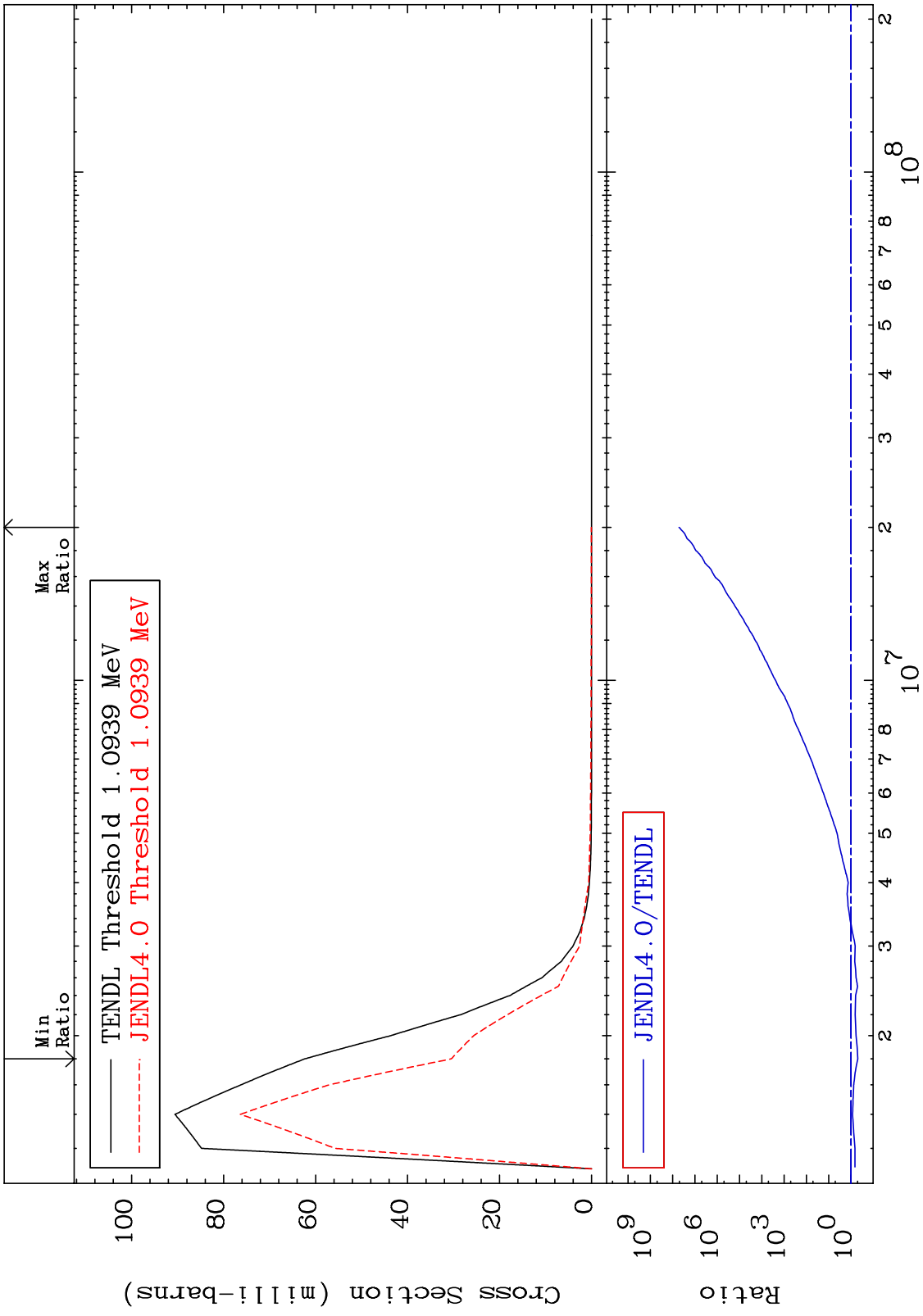


MAT 6825 MT= 55 (n,n') Level Cross Section 68-Er-162
 -60.37 To 9999. %

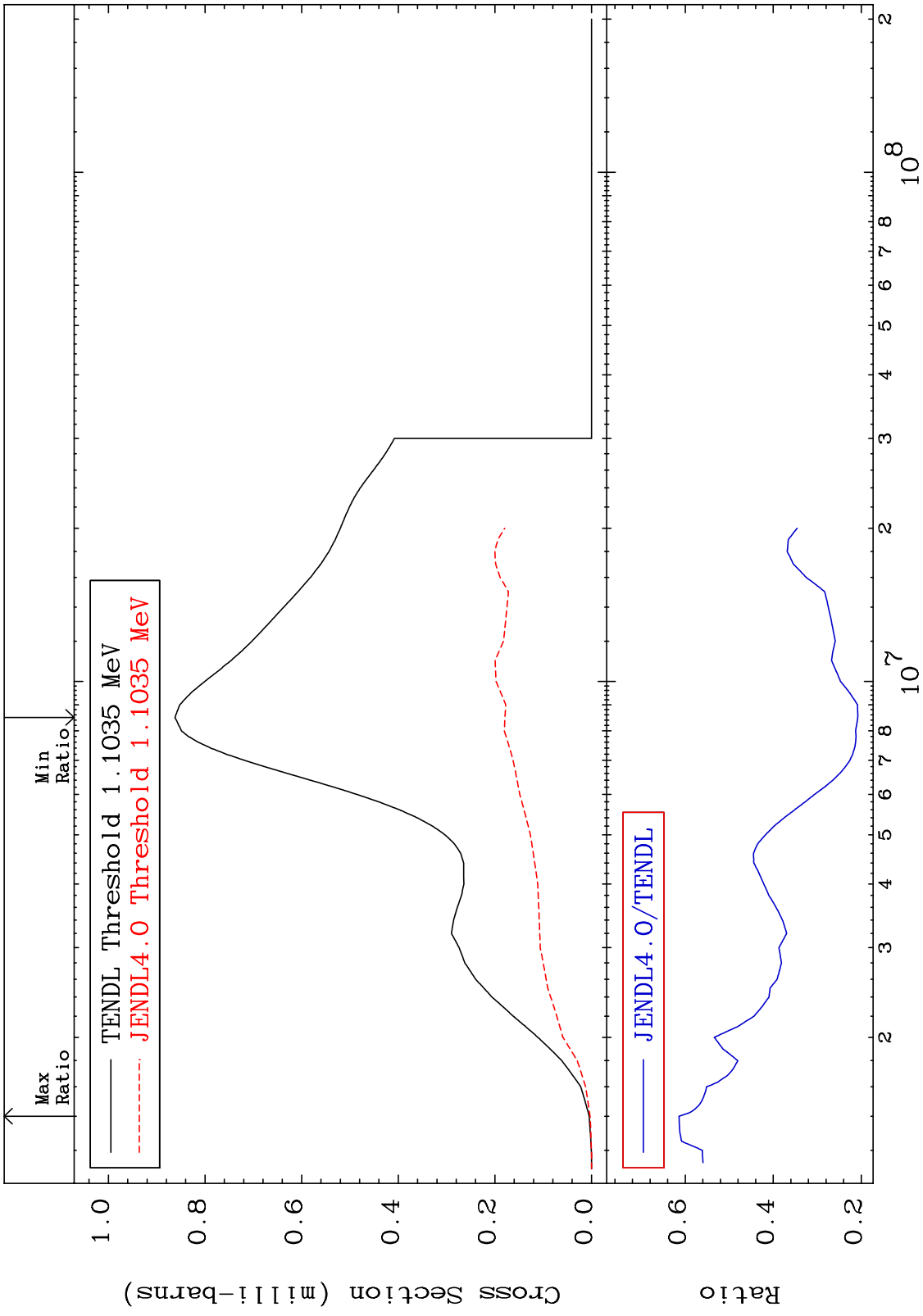


Incident Energy (eV) 68-Er-162

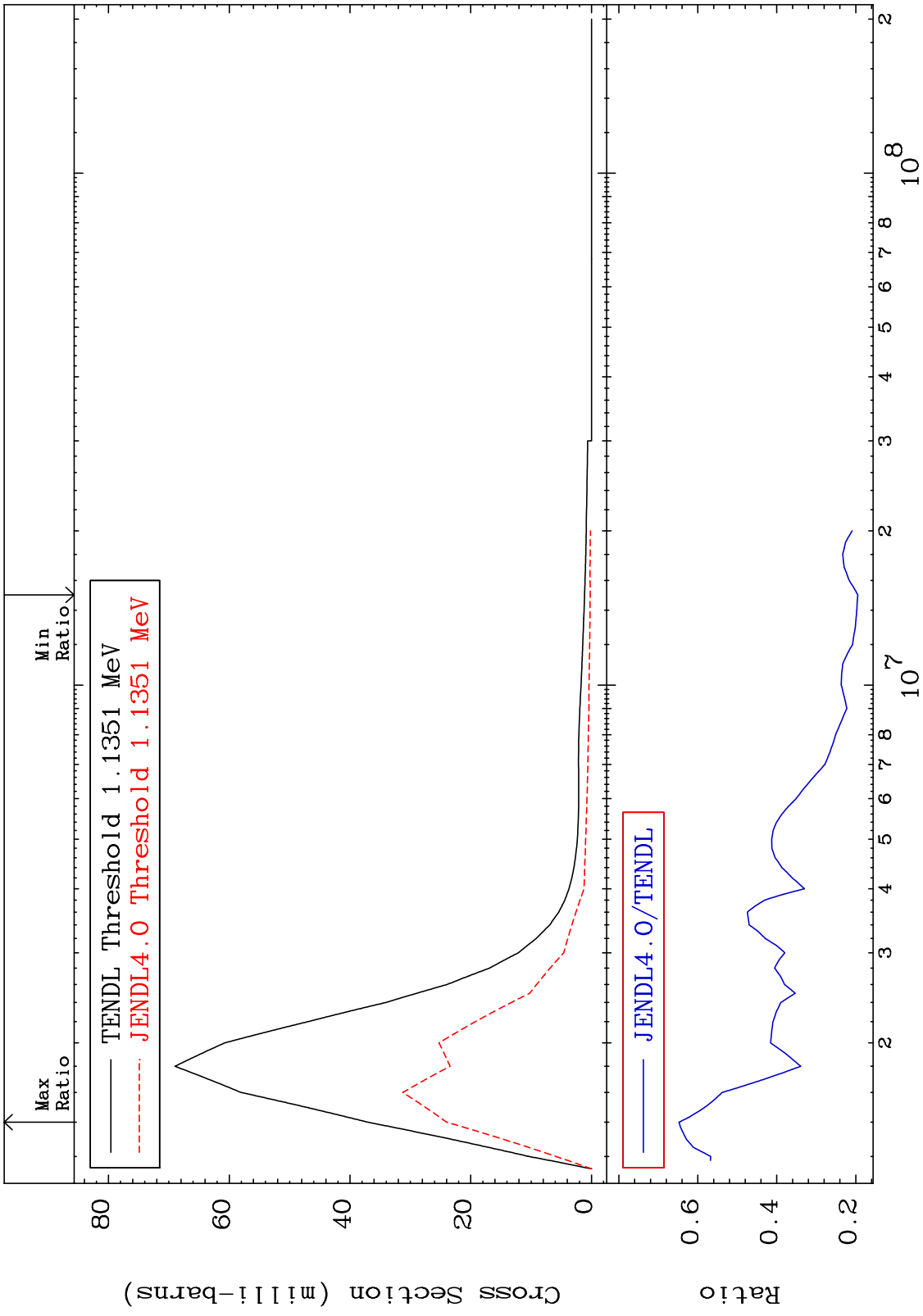
MAT 6825 MT= 56 (n,n') Level Cross Section 68-Er-162 -51.10 To 9999. %



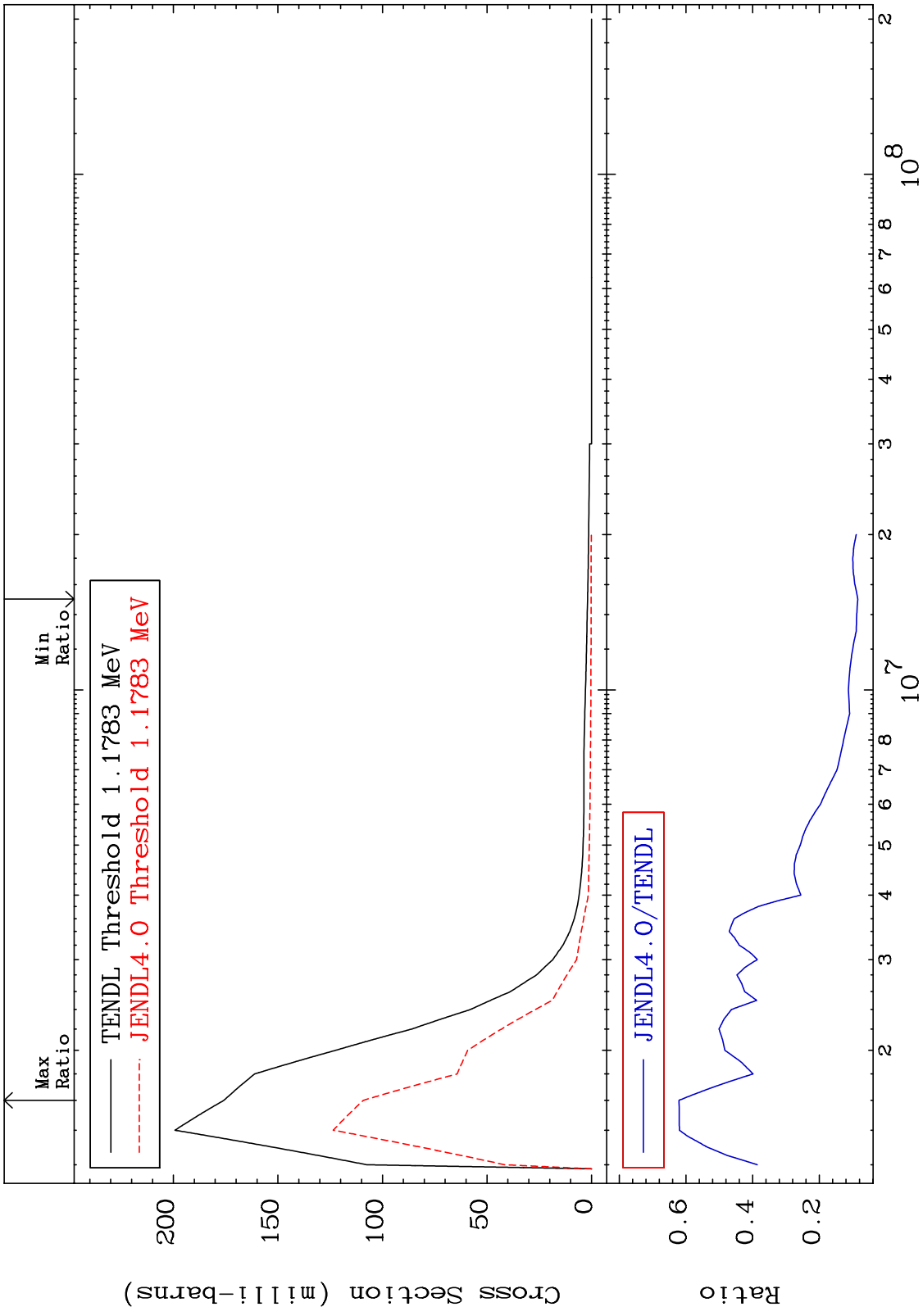
MAT 6825 MT= 57 (n,n') Level Cross Section 68-Er-162
 -79.23 To -38.59%



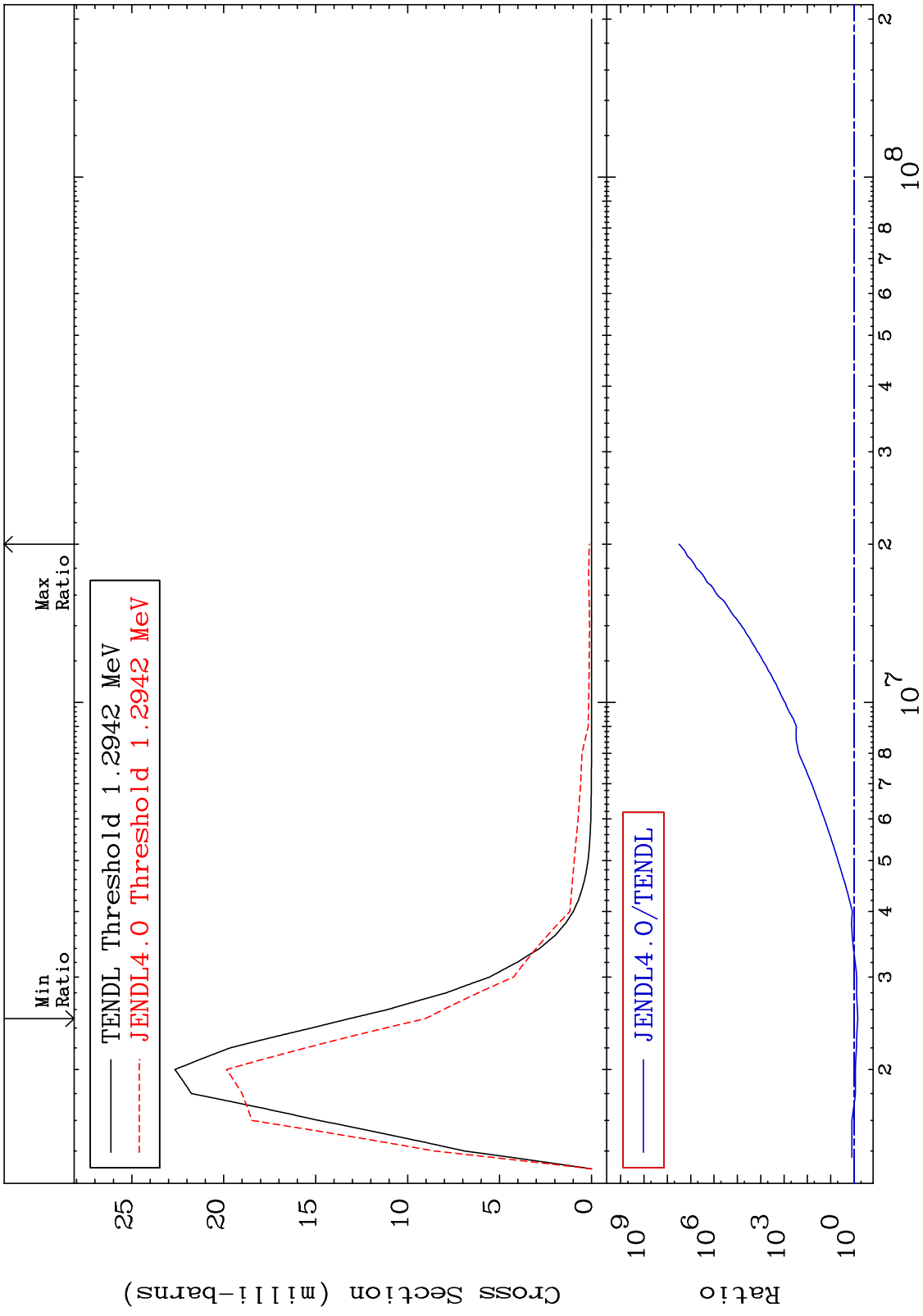
MAT 6825 MT= 58 (n,n') Level Cross Section 68-Er-162
 -80.53 To -35.24%



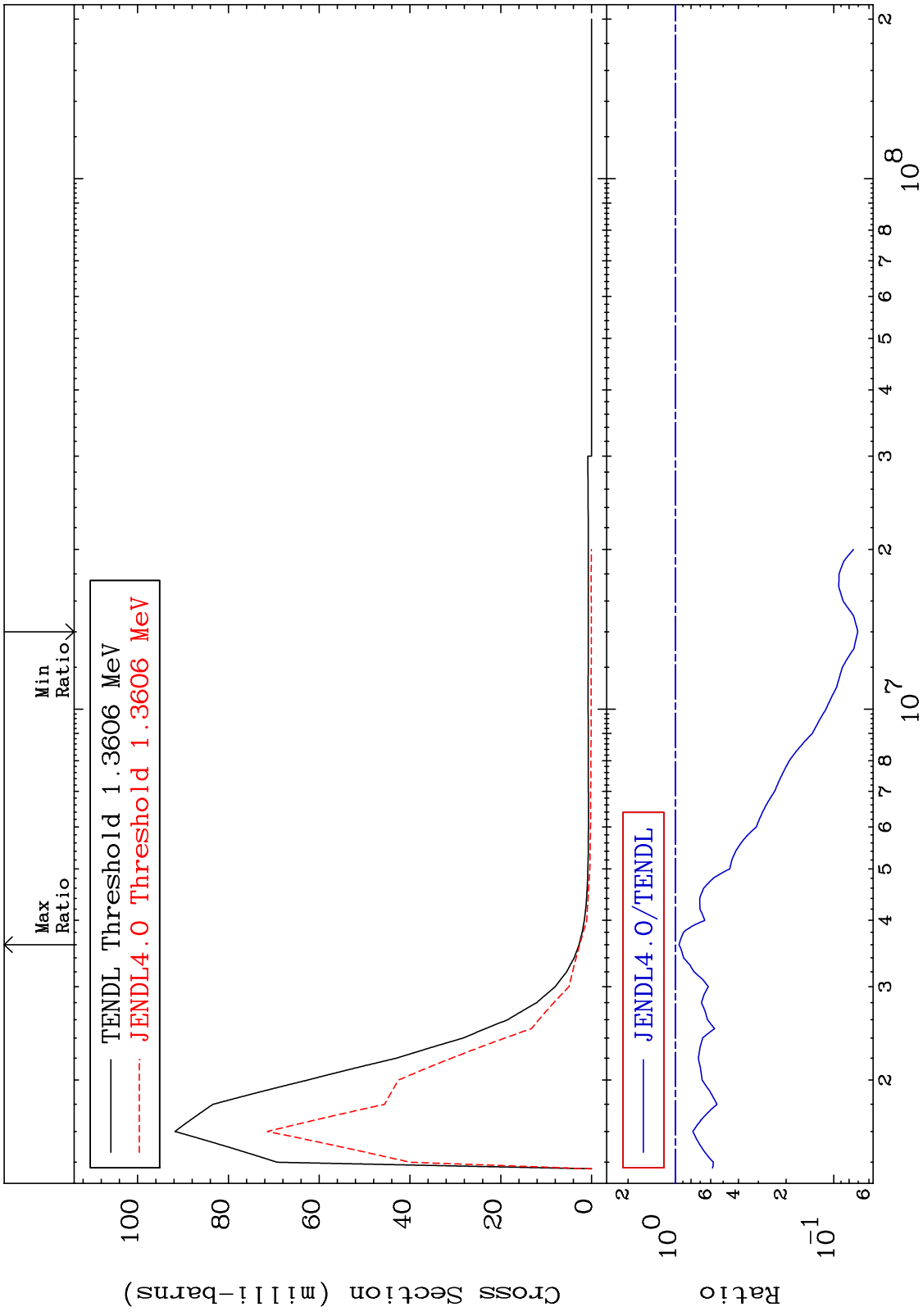
MAT 6825 MT= 59 (n,n') Level Cross Section 68-Er-162 -91.52 To -37.92%



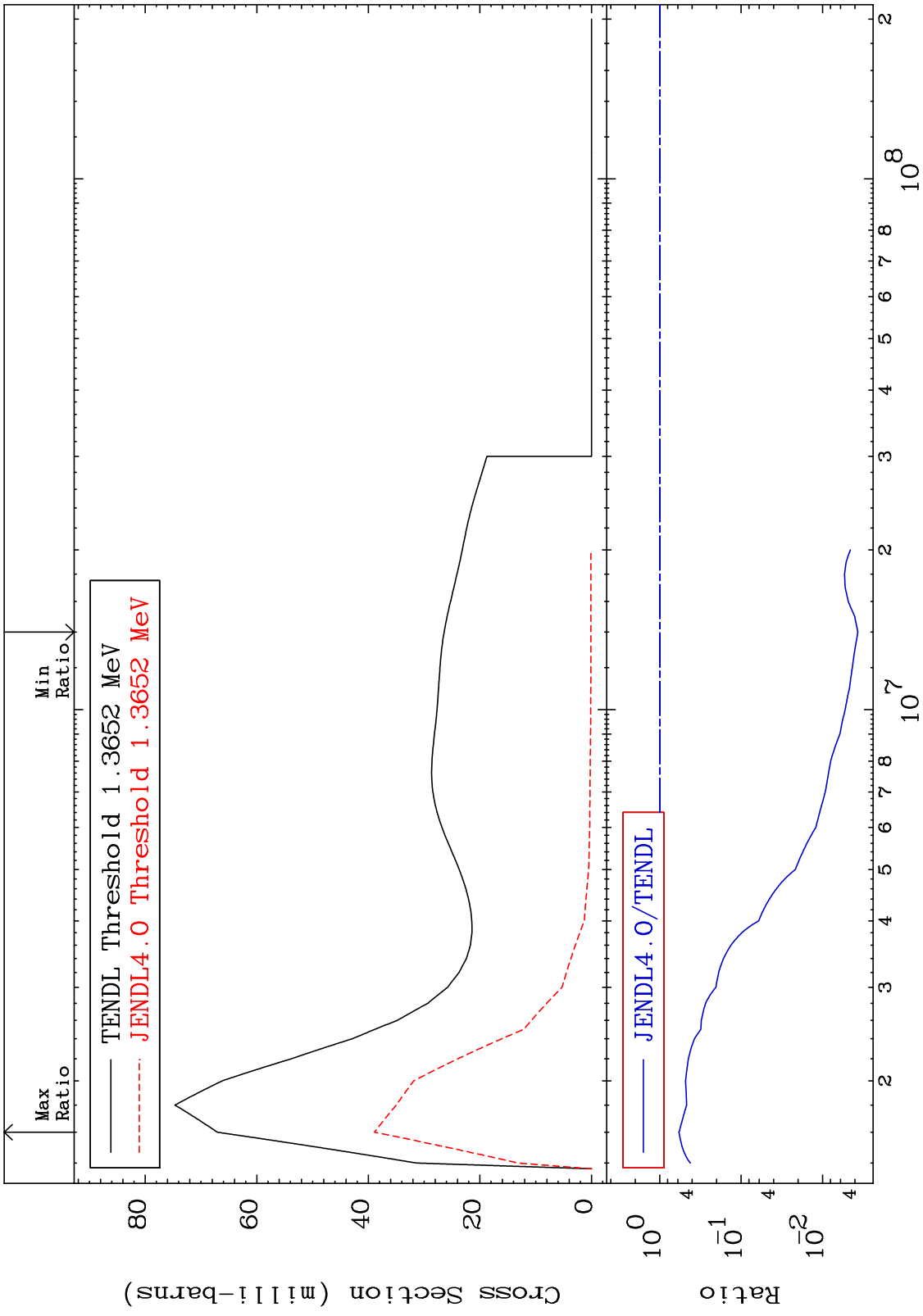
MAT 6825 MT= 60 (n,n') Level Cross Section 68-Er-162
 -31.38 To 9999. %



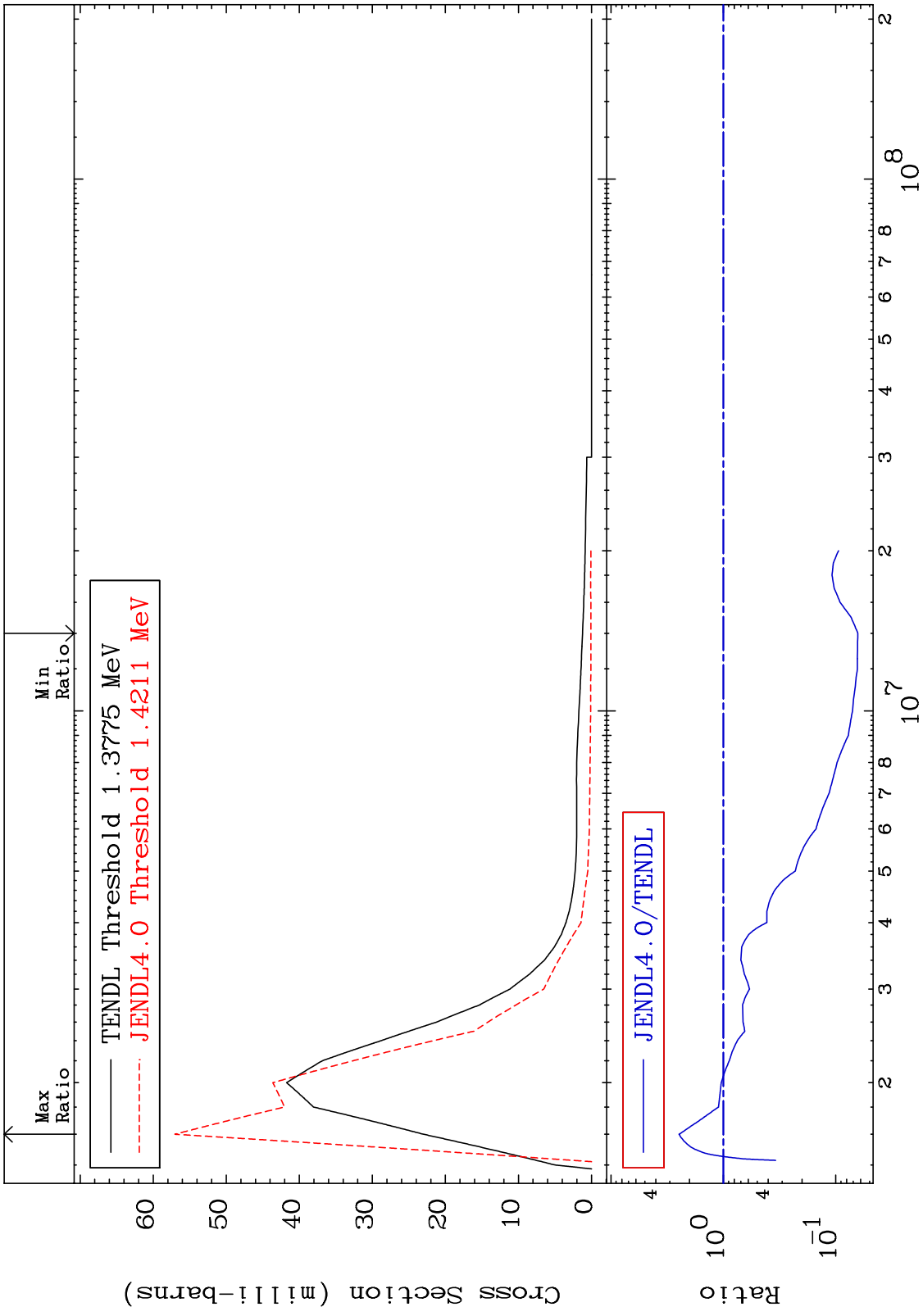
MAT 6825 MT= 61 (n,n') Level Cross Section 68-Er-162 -92.95 To -4.935%



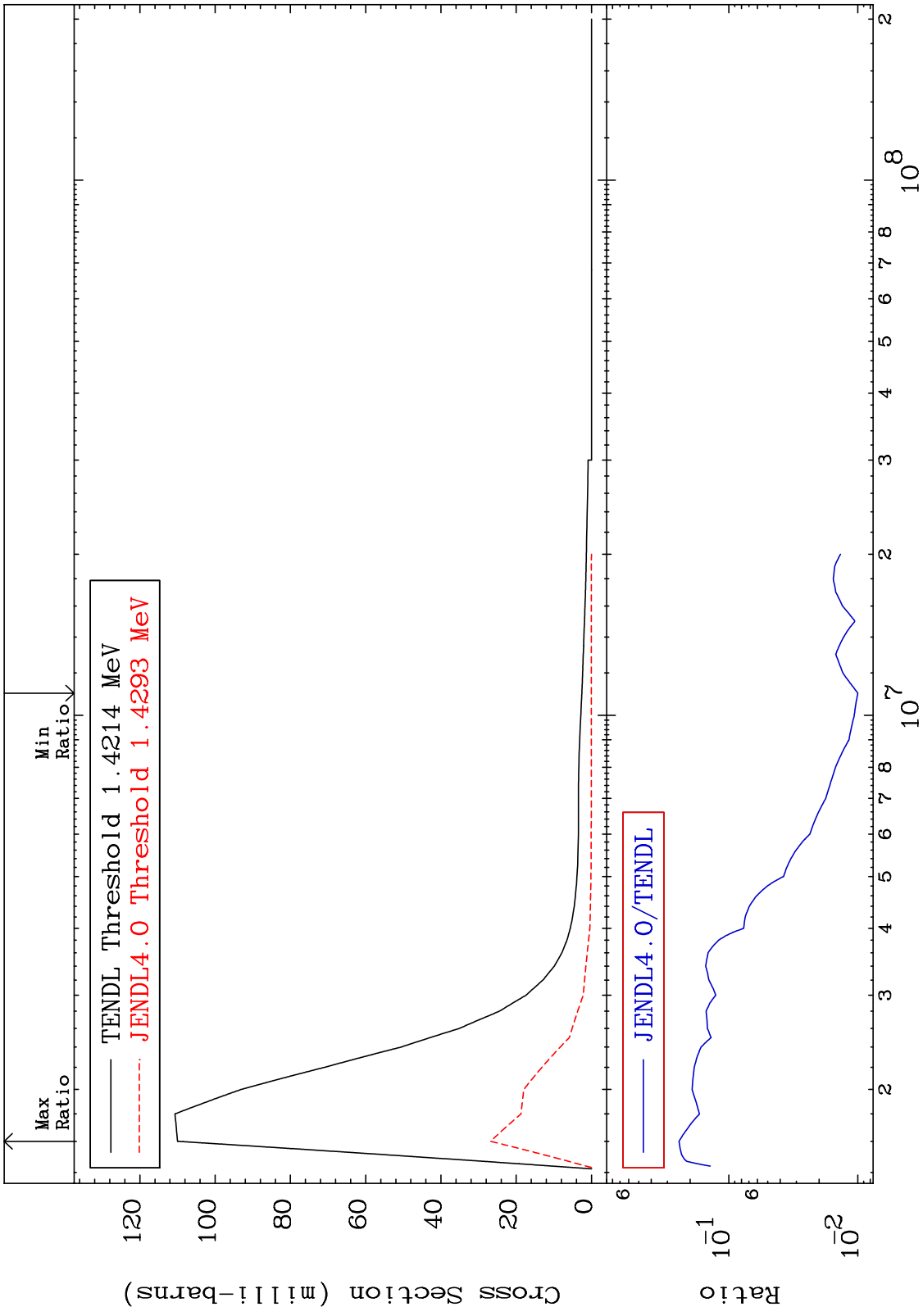
MAT 6825 MT= 62 (n,n') Level Cross Section 68-Er-162
 -99.63 To -41.99%



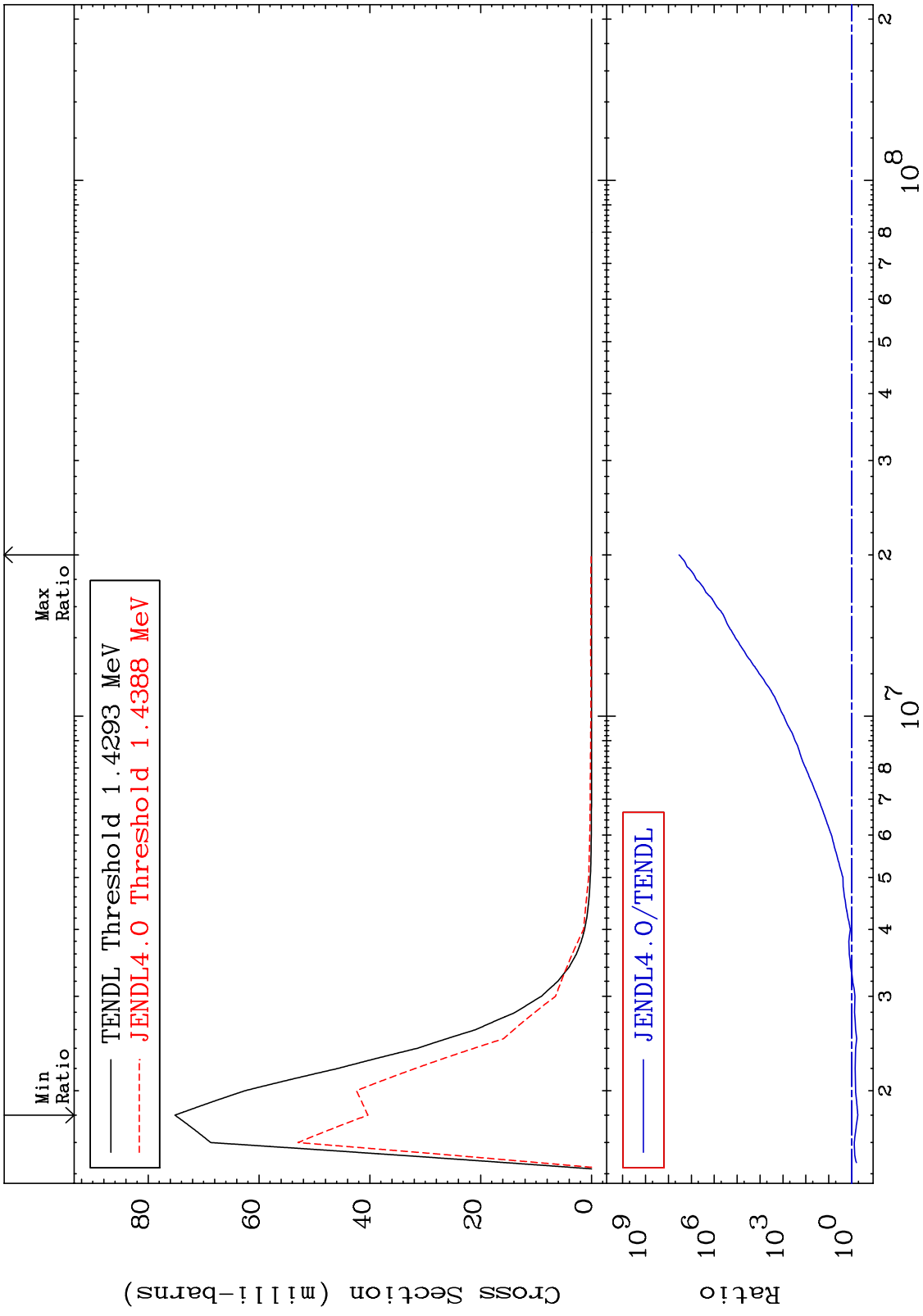
MAT 6825 MT= 63 (n,n') Level Cross Section 68-Er-162 -93.64 To 148.0 %



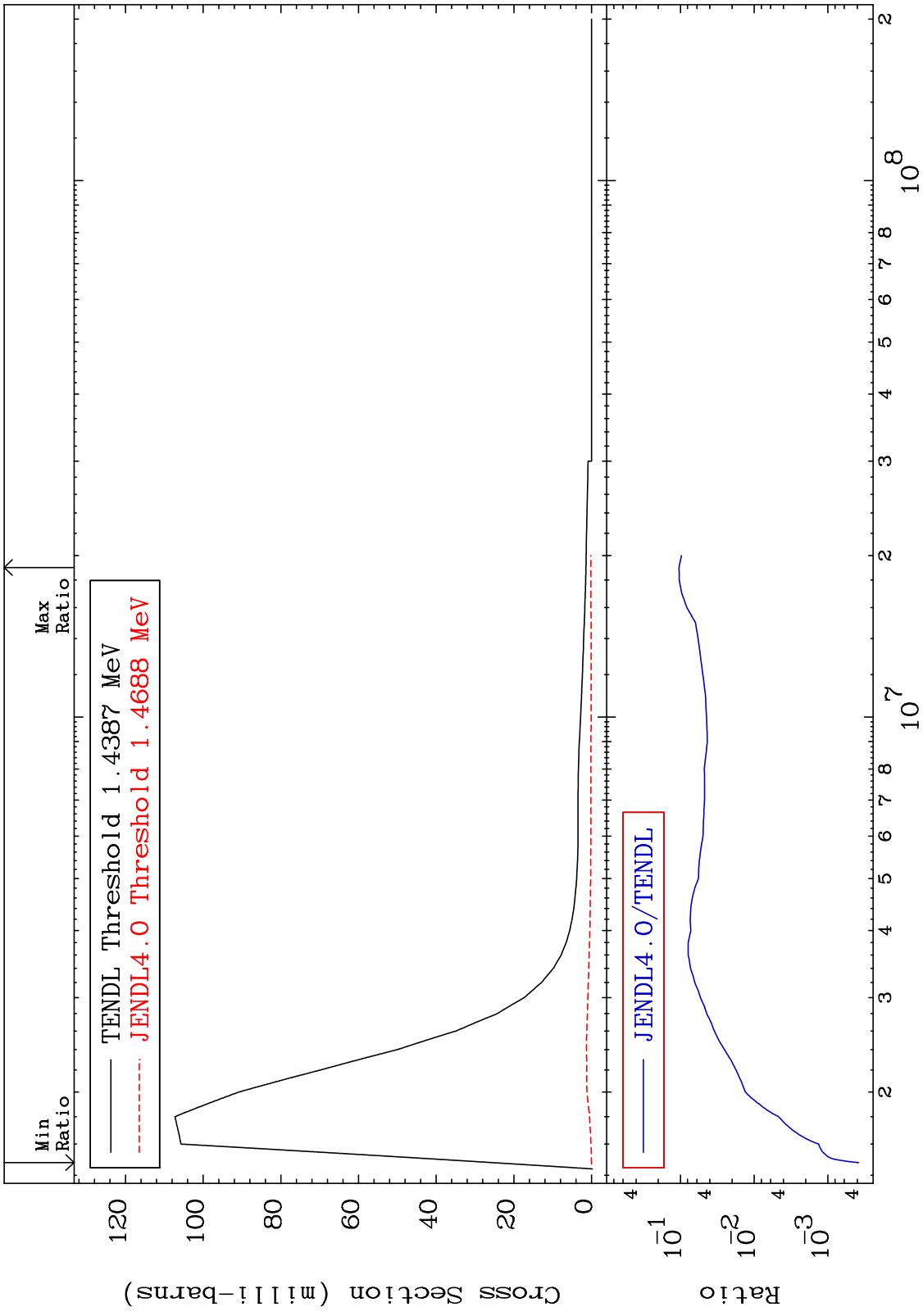
MAT 6825 MT= 64 (n,n') Level Cross Section 68-Er-162 -99.00 To -75.63%



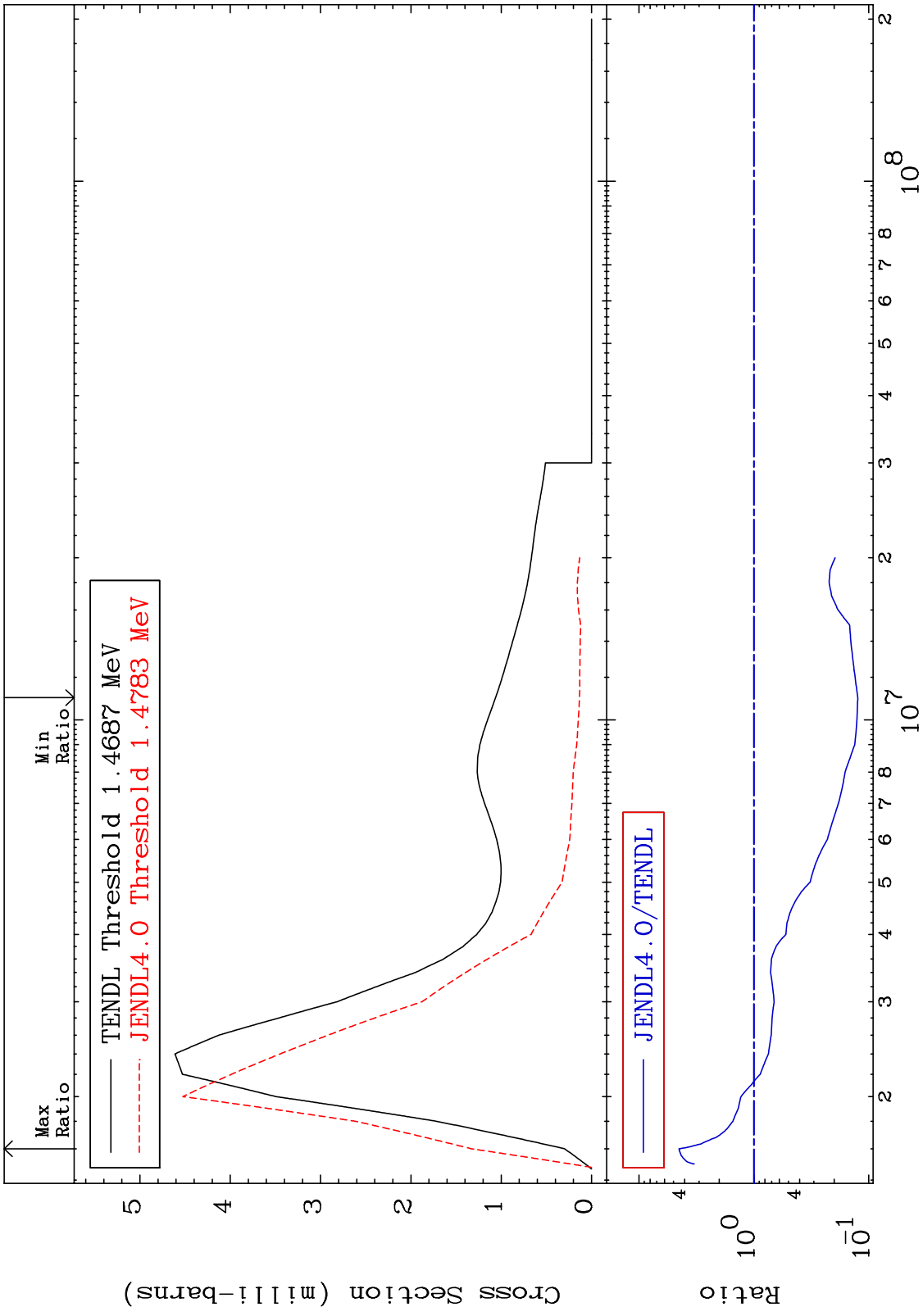
MAT 6825 MT= 65 (n,n') Level Cross Section 68-Er-162
 -46.31 To 9999. %



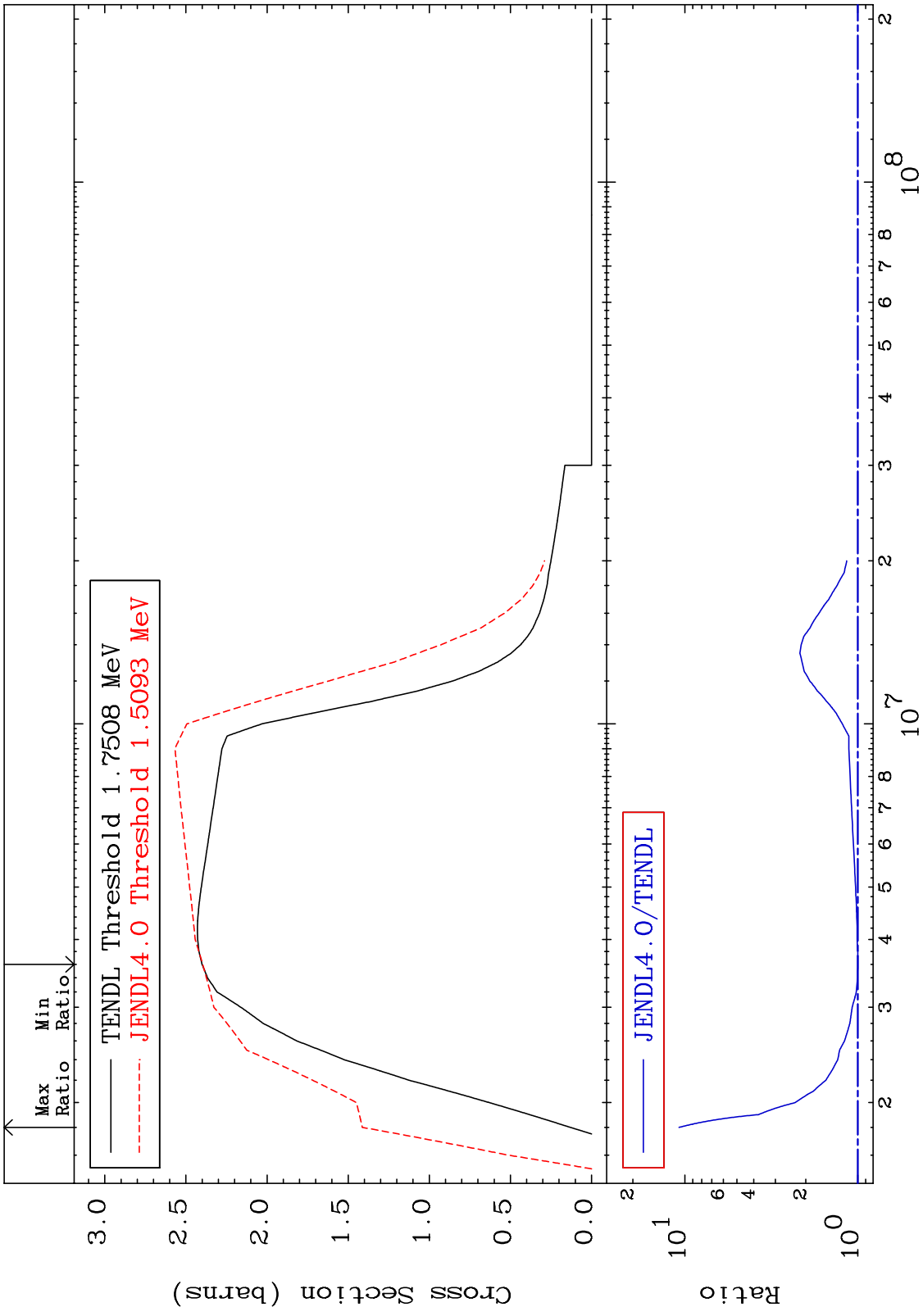
MAT 6825 MT= 66 (n,n') Level Cross Section 68-Er-162
 -99.96 To -89.55%



MAT 6825 MT= 67 (n,n') Level Cross Section 68-Er-162
 -87.56 To 347.8 %



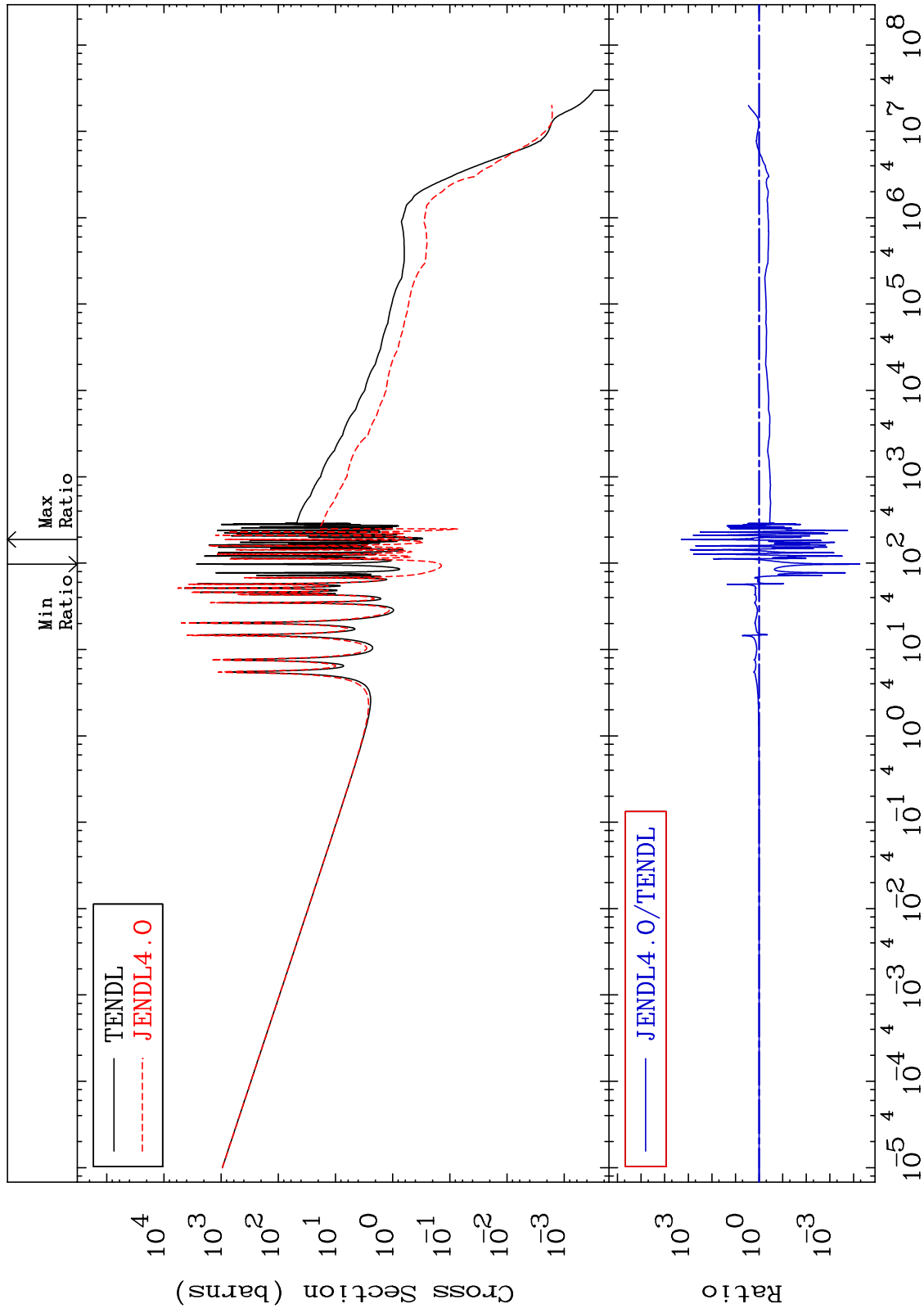
MAT 6825 (n,n') Continuum Cross Section 68-Er-162 -0.164 To 981.5 %



MAT 6825

(n, γ)
Cross Section

68-Er-162
-99.99 To 9999. %



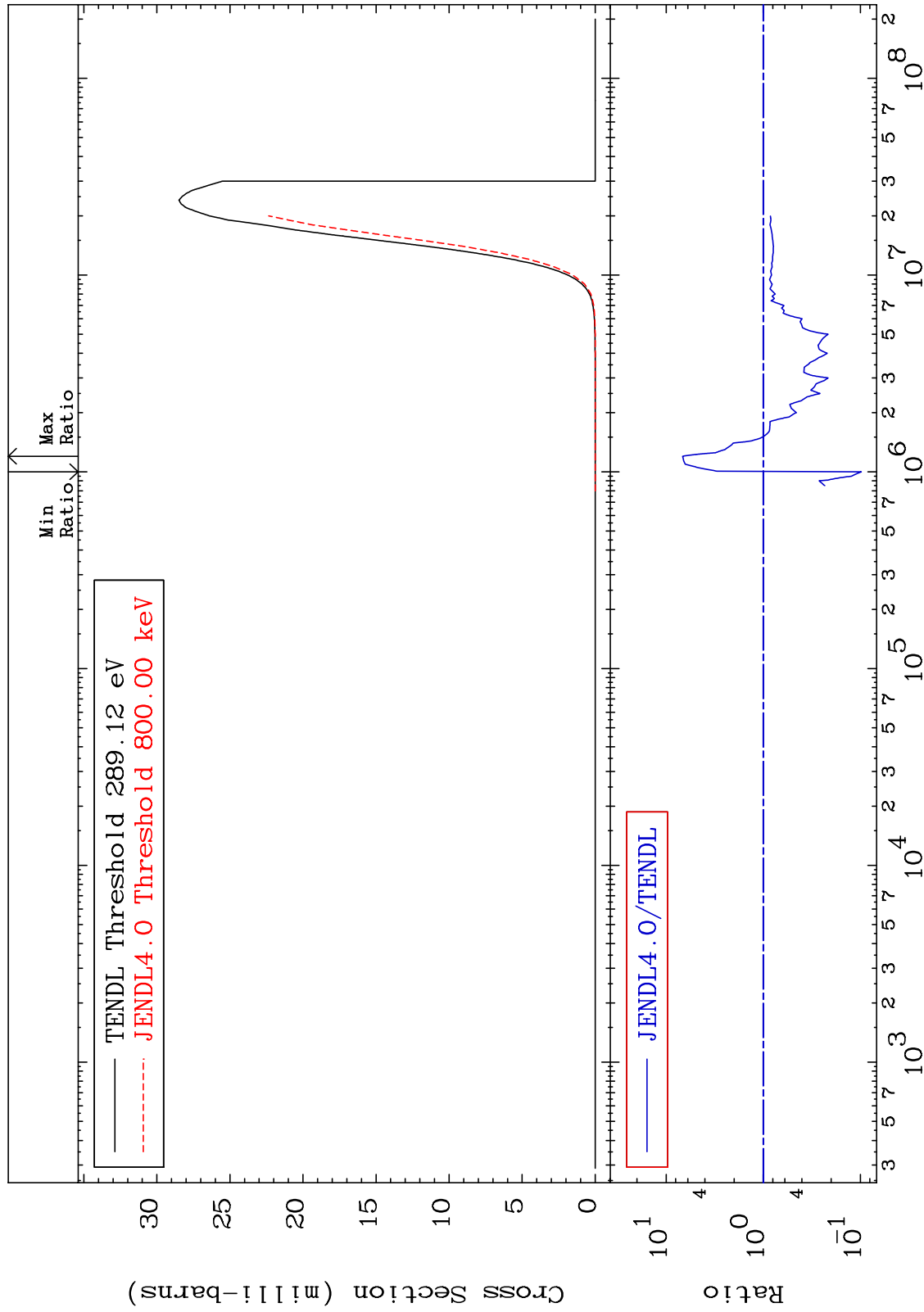
MAT 6825

(n,p)

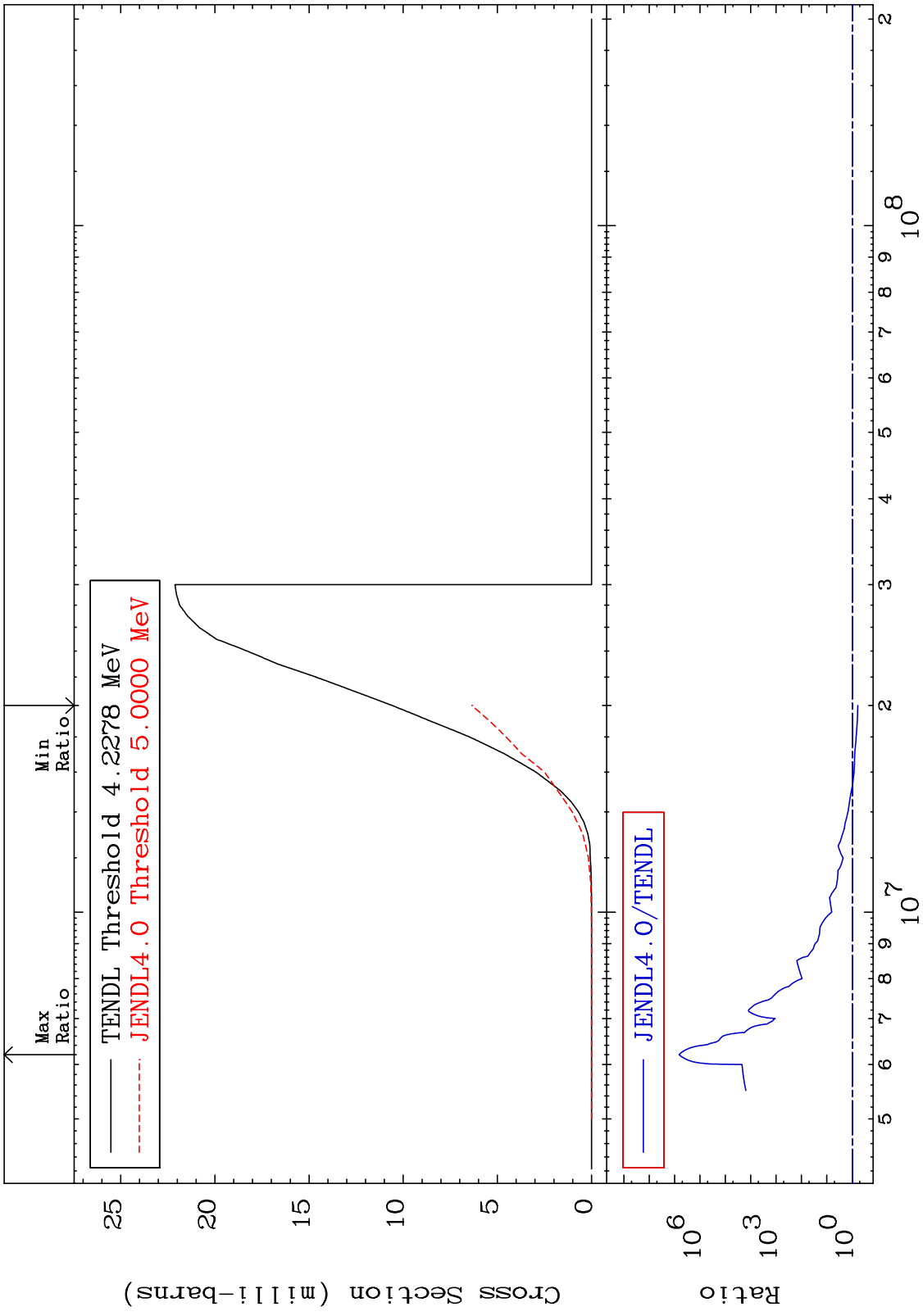
68-Er-162

Cross Section

-90.21 To 576.8 %



MAT 6825 (n,d) Cross Section 68-Er-162
 -39.94 To 9999. %



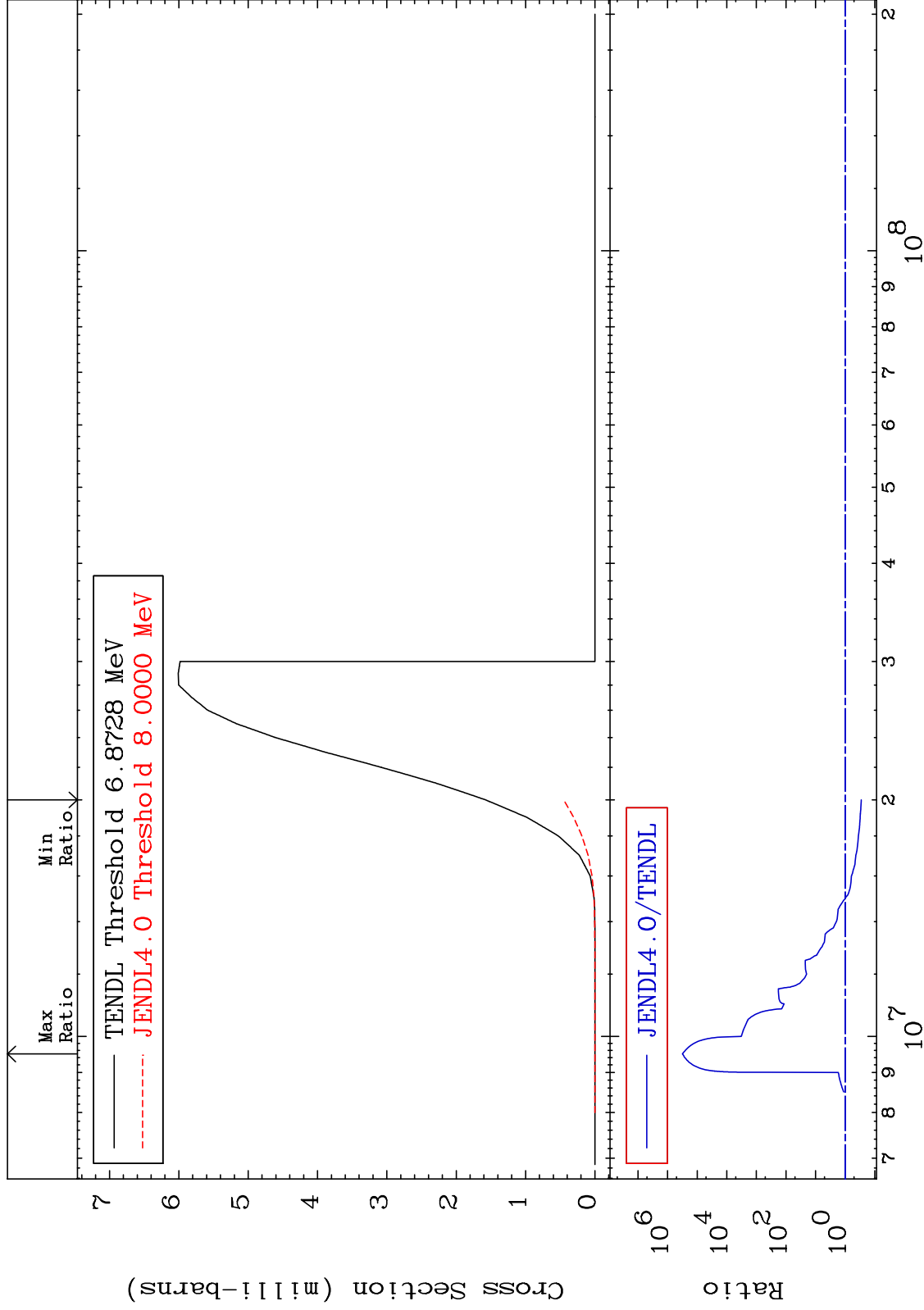
MAT 6825

(n, t)

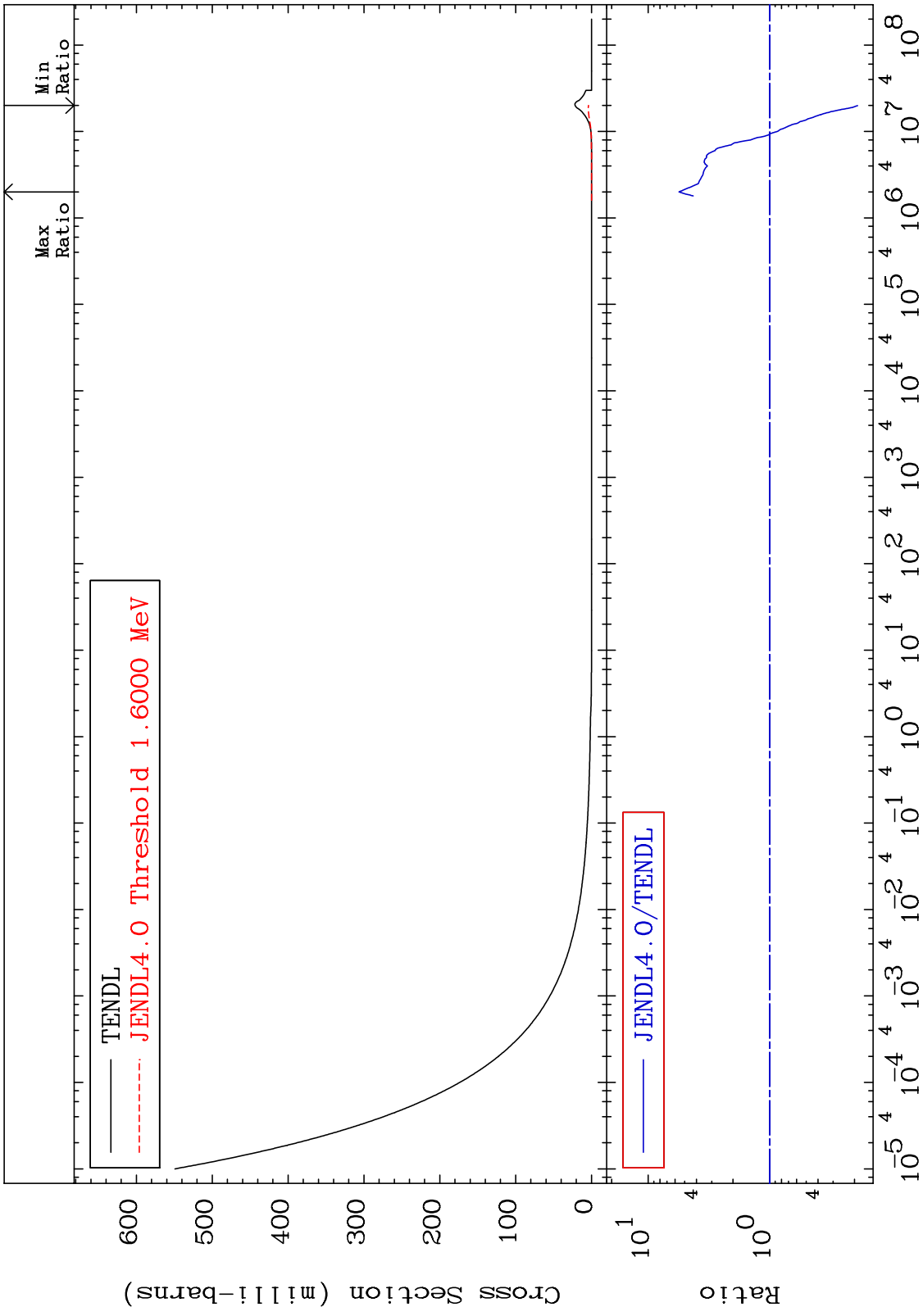
68-Er-162

Cross Section

-71.45 To 9999. %



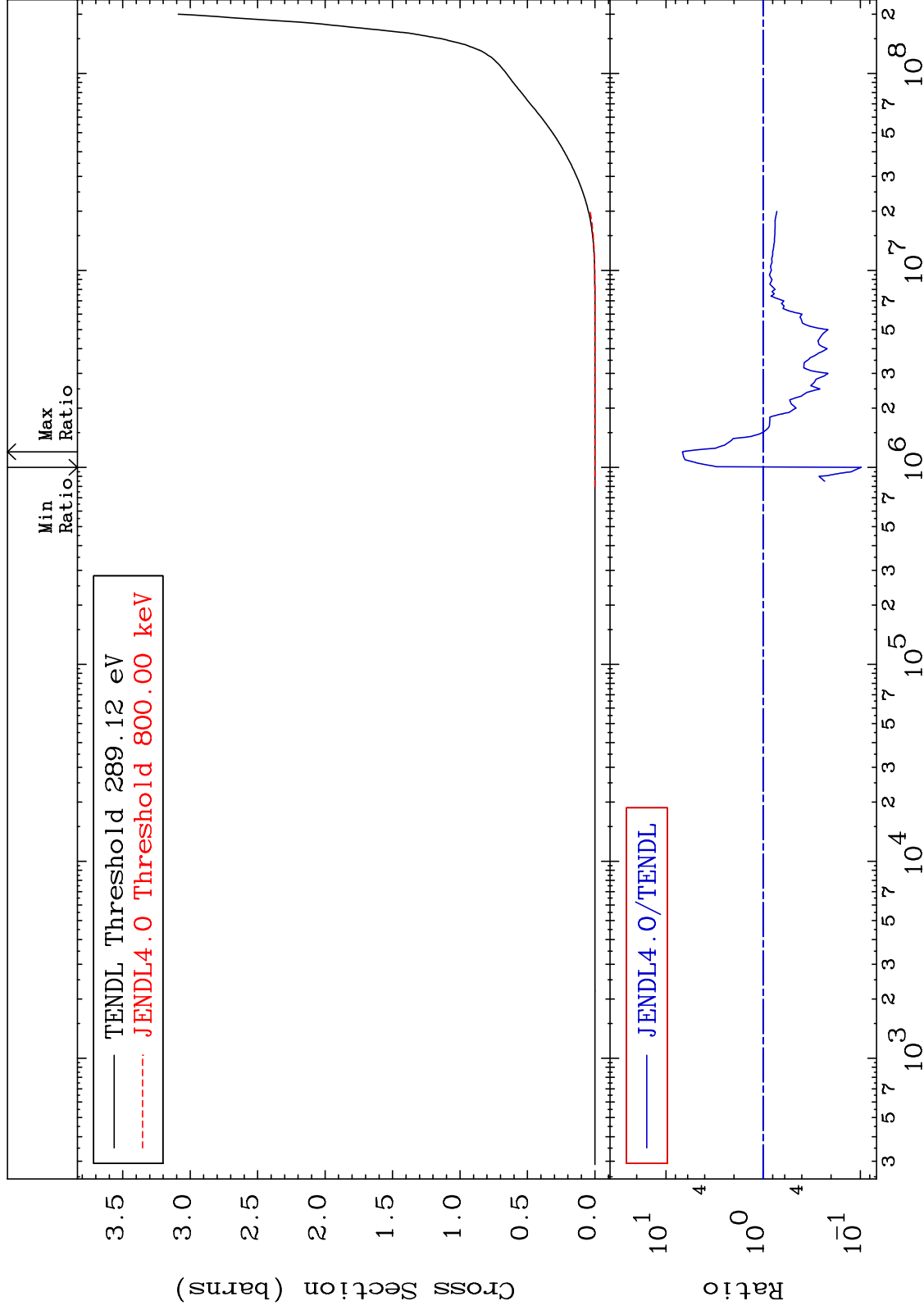
MAT 6825 (n, α) Cross Section $^{68}\text{Er-162}$
 -81.22 To 457.1 %



MAT 6825

Hydrogen Production
Cross Section

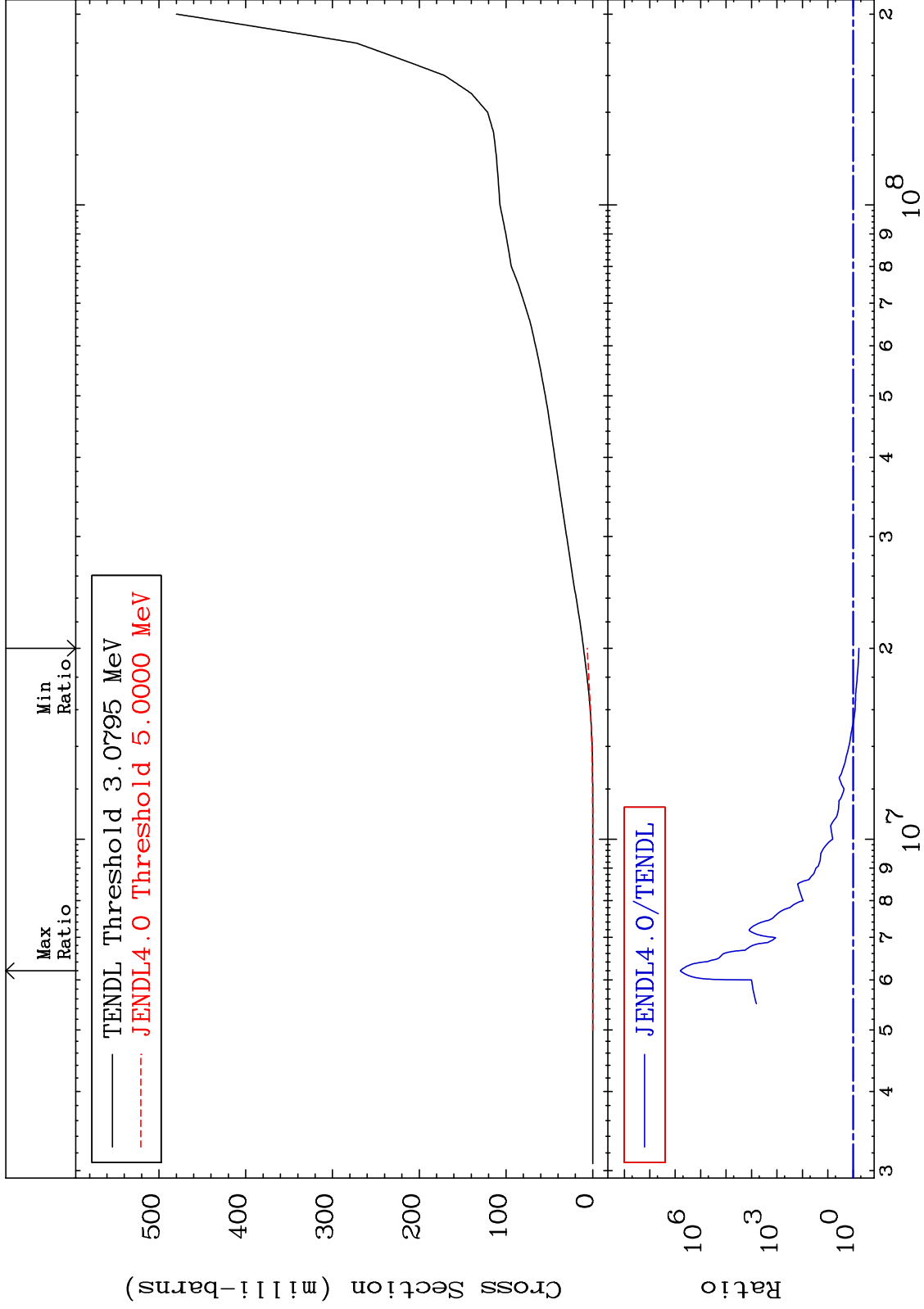
68-Er-162
-90.21 To 576.8 %



MAT 6825

Deuterium Production
Cross Section

68-Er-162
-39.97 To 9999. %



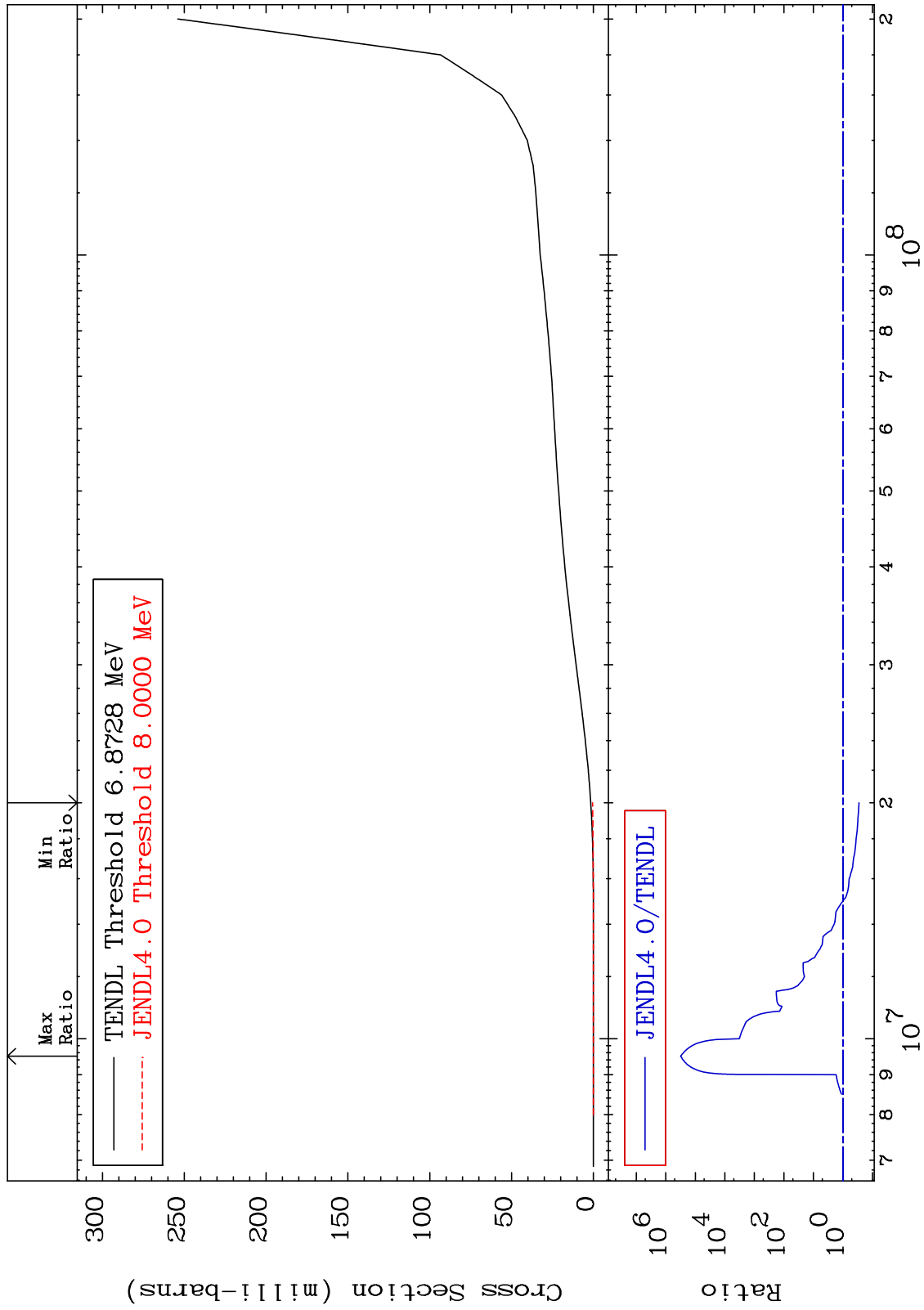
32

68-Er-162

MAT 6825

Tritium Production
Cross Section

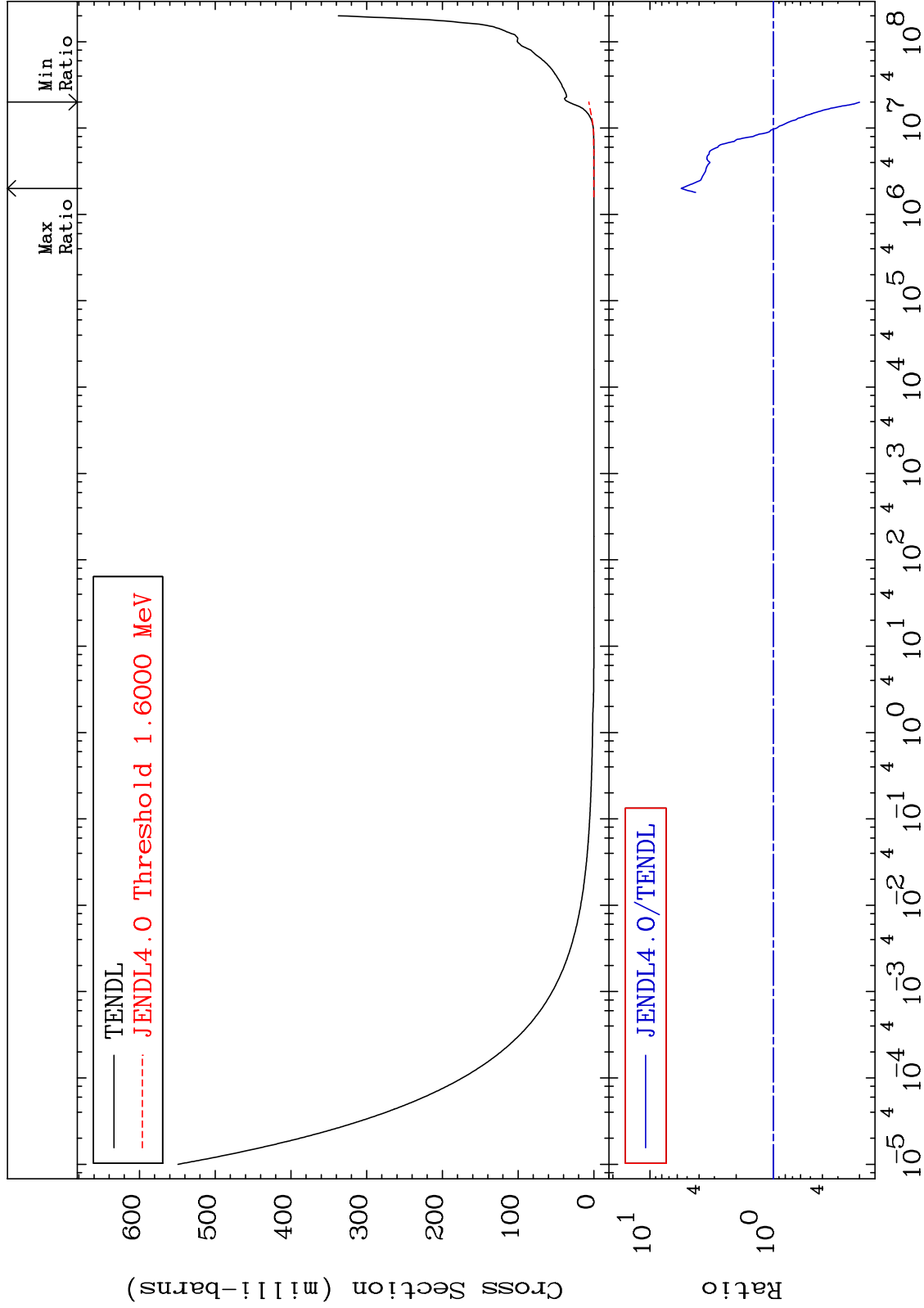
68-Er-162
-71.45 To 9999. %



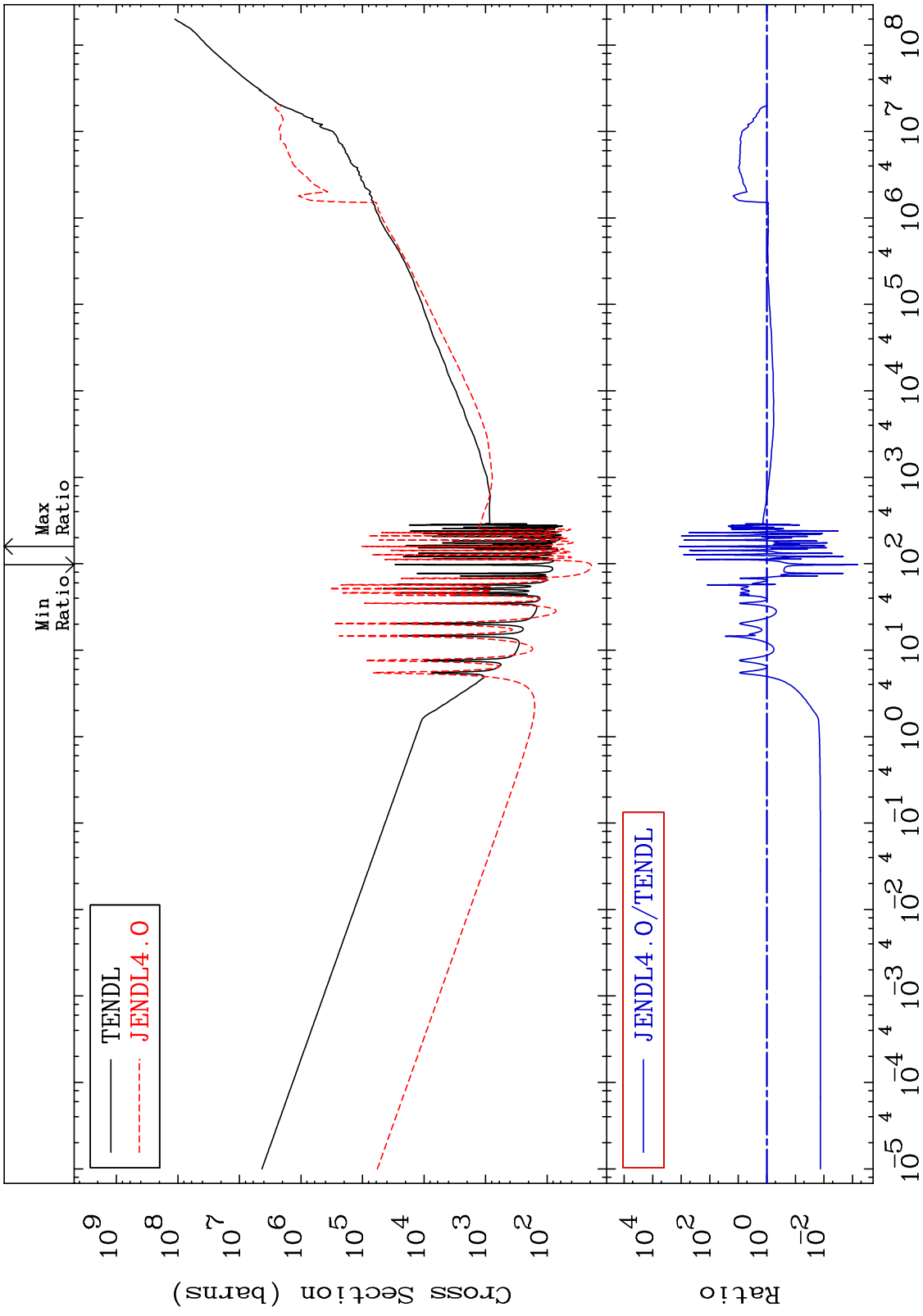
MAT 6825

He-4 Production
Cross Section

68-Er-162
-80.08 To 457.1 %



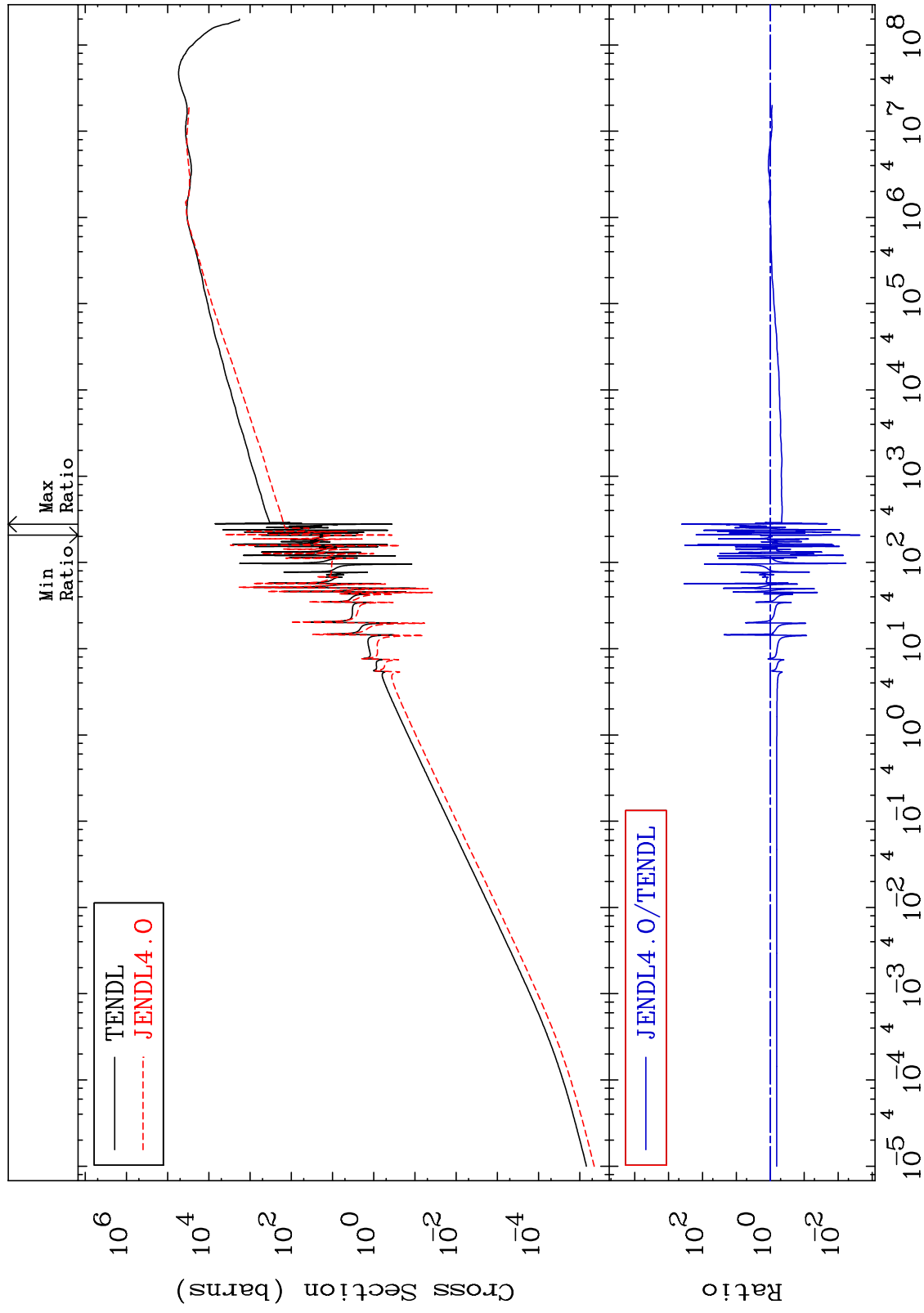
MAT 6825 Kerma total (eV-barns) 68-Er-162
 Cross Section -99.93 To 9999. %



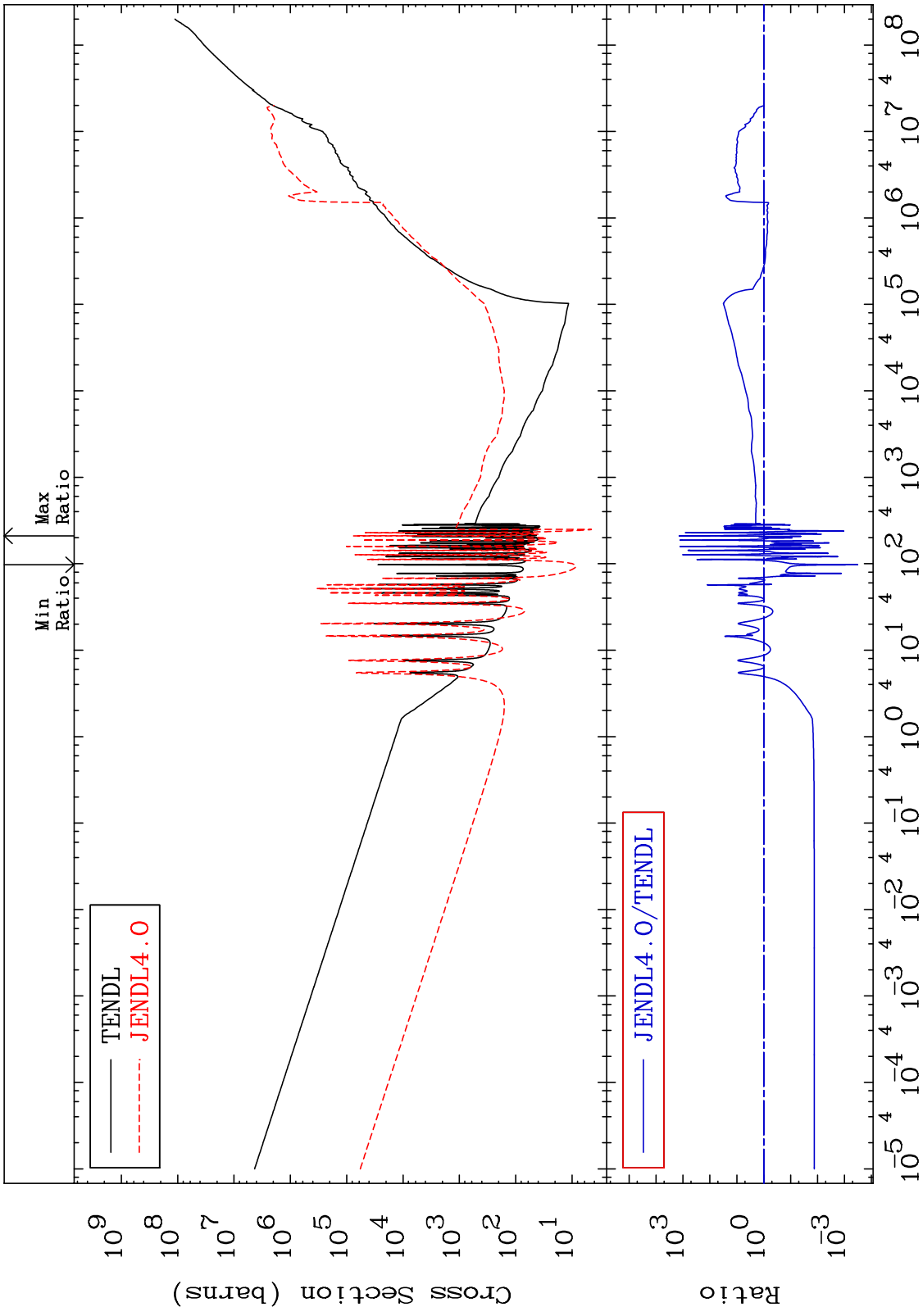
MAT 6825

Kerma elastic
Cross Section

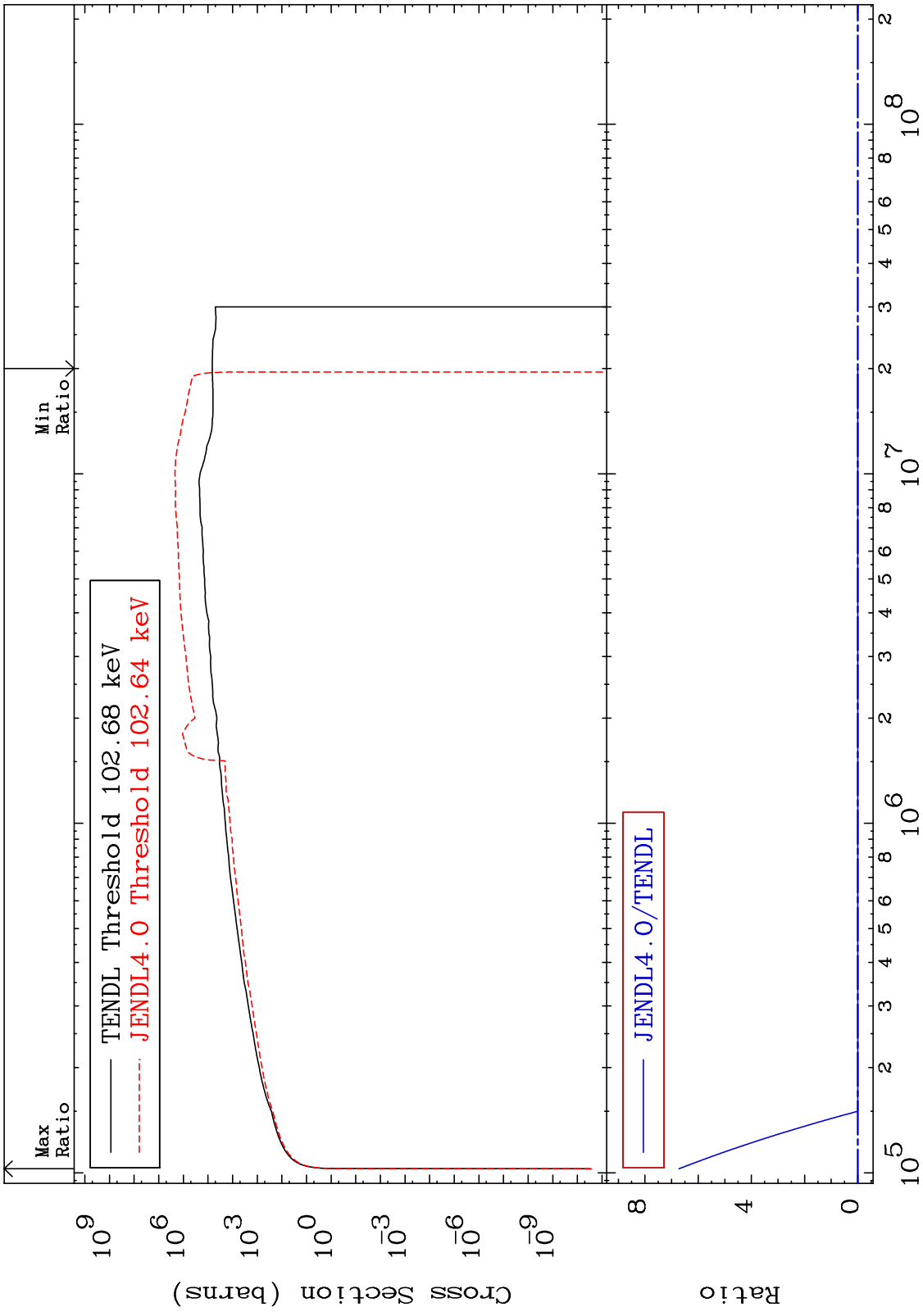
68-Er-162
-99.77 To 9999. %



MAT 6825 Kerma non-elastic (all but mt2) 68-Er-162
 -99.97 To 9999. %
 Cross Section



MAT 6825 Kerma inelastic (mt51-91) 68-Er-162
 Cross Section -608.9 To 9999. %

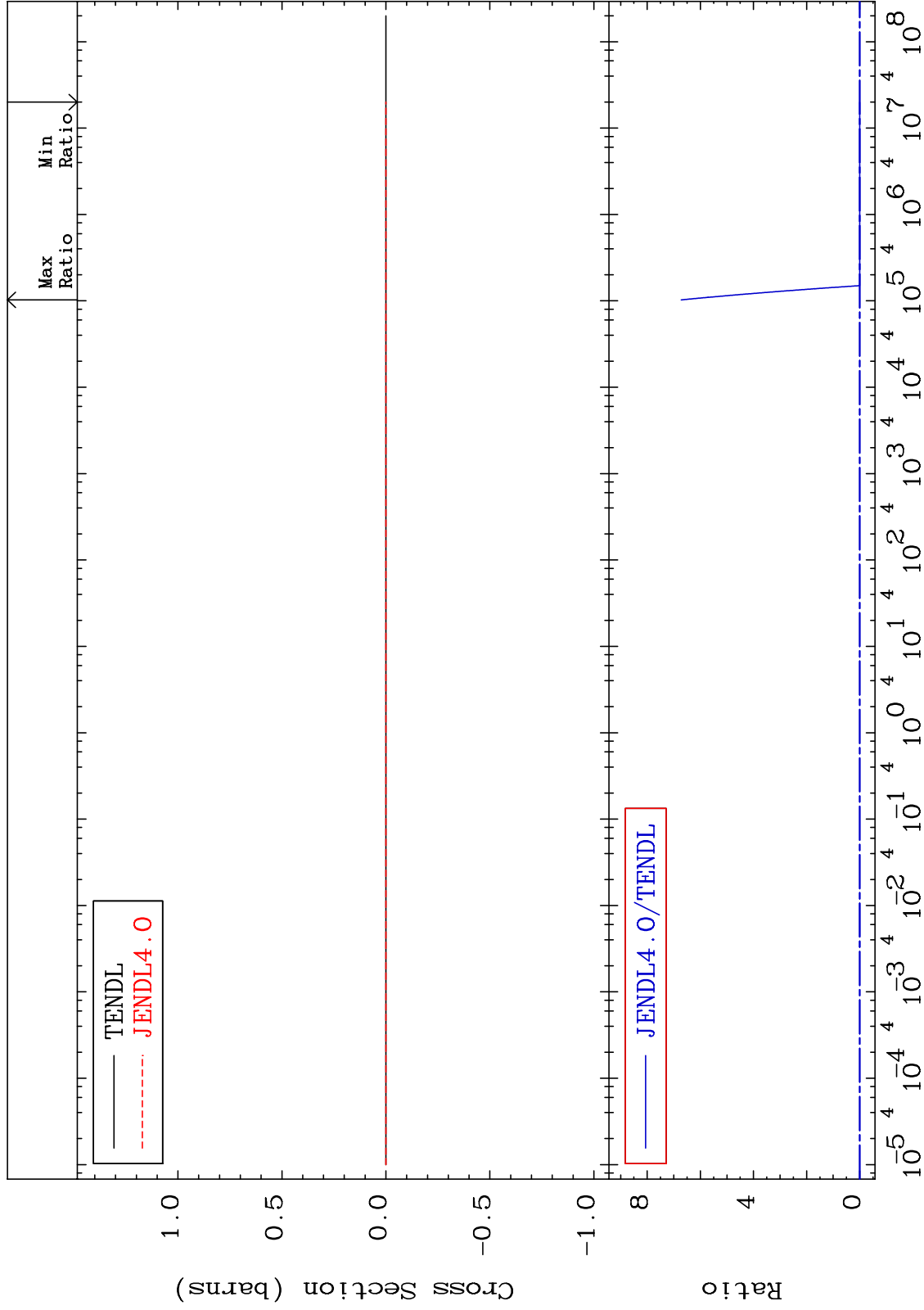


38 68-Er-162 Incident Energy (eV)

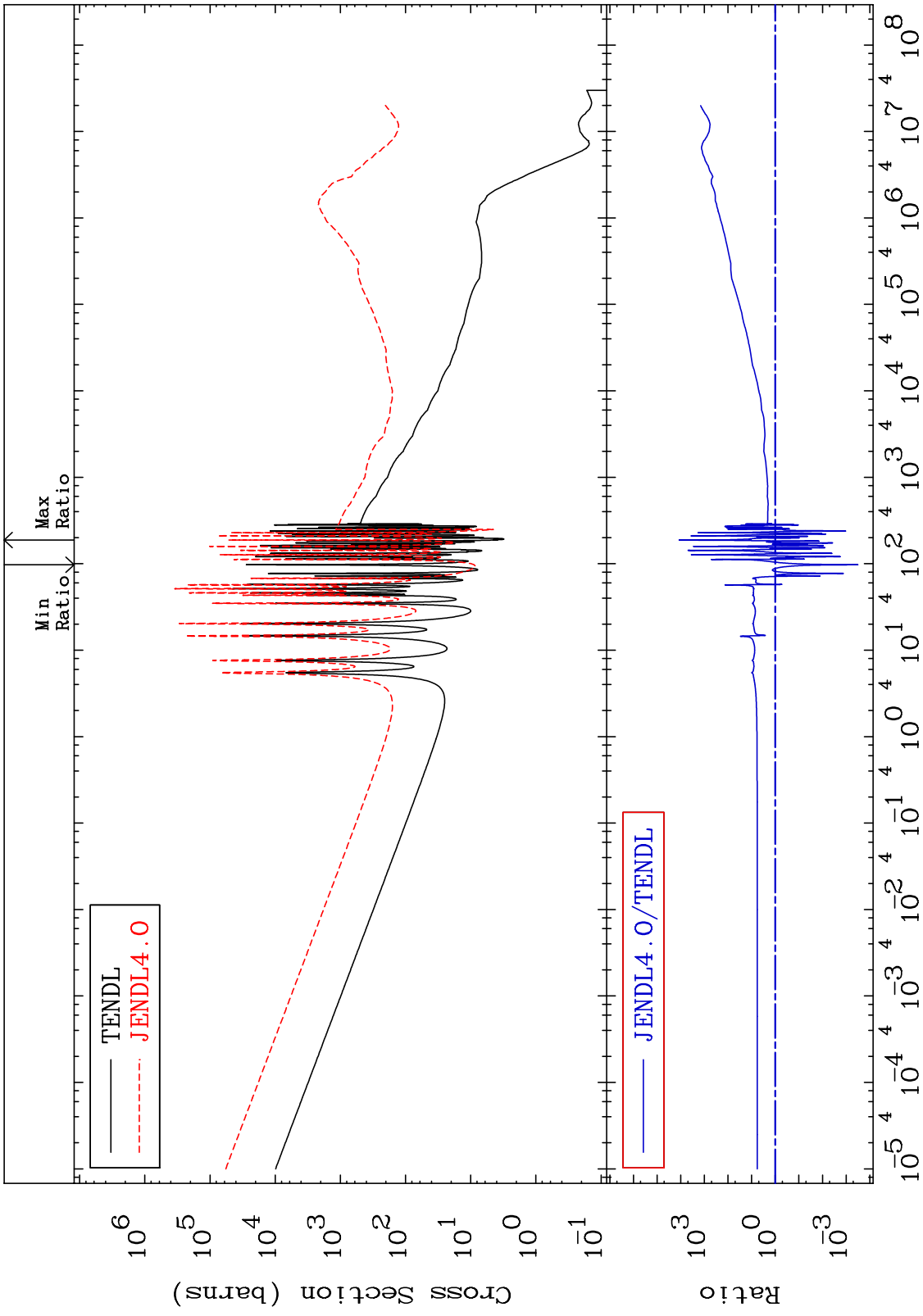
MAT 6825

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

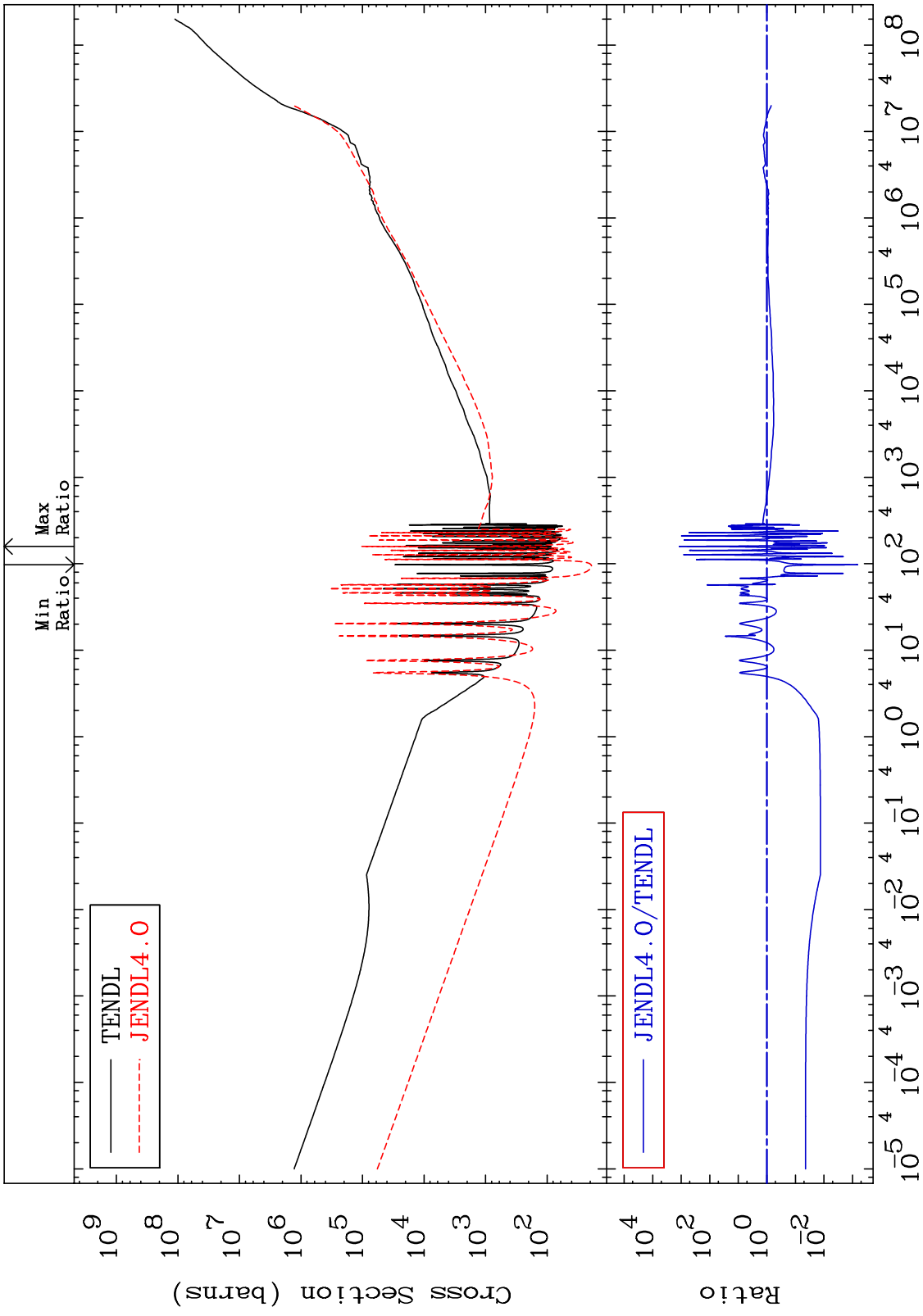
68-Er-162
-608.9 To 9999. %



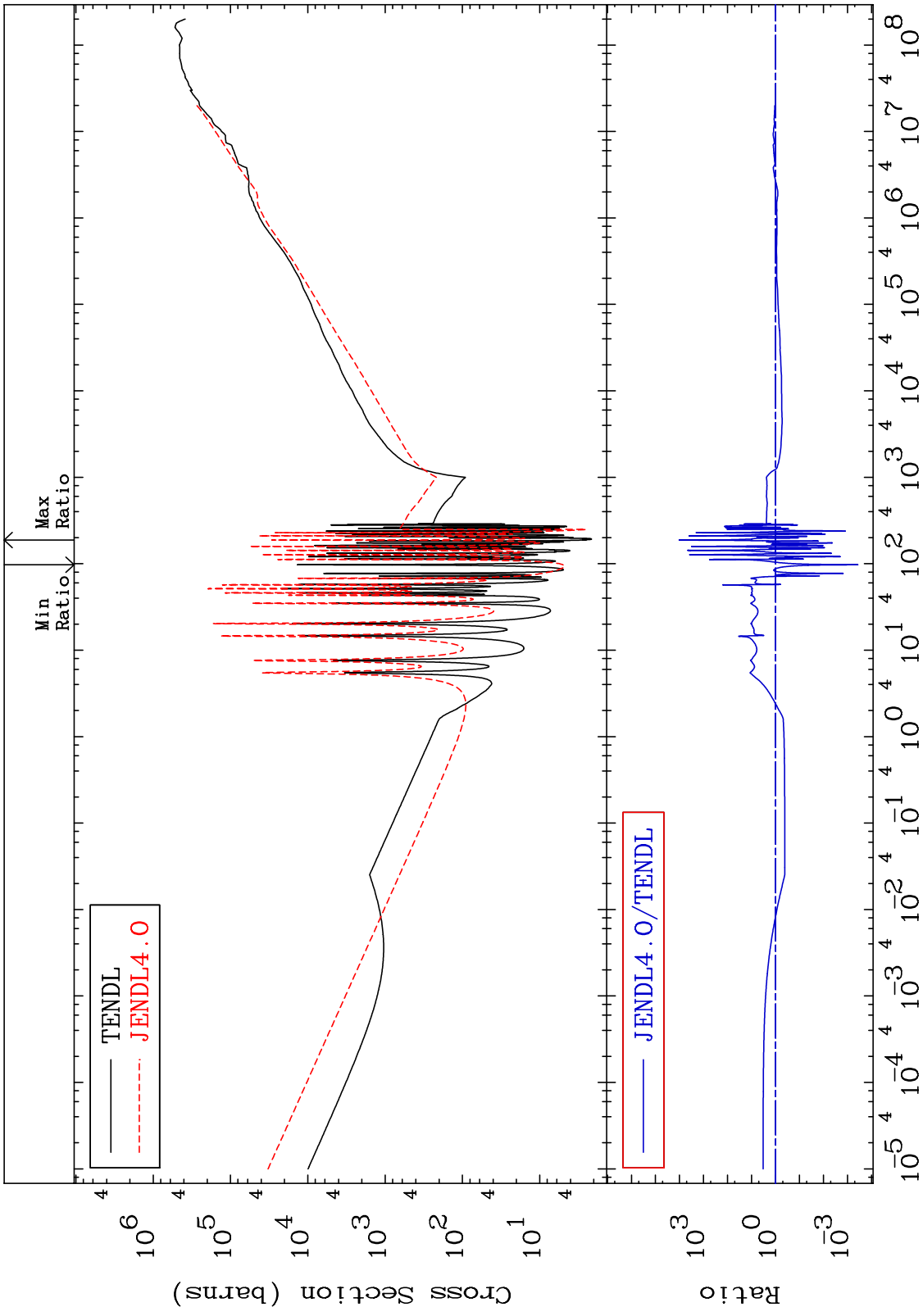
MAT 6825 Kerma capture (mt102) 68-Er-162
 Cross Section -99.97 To 9999. %



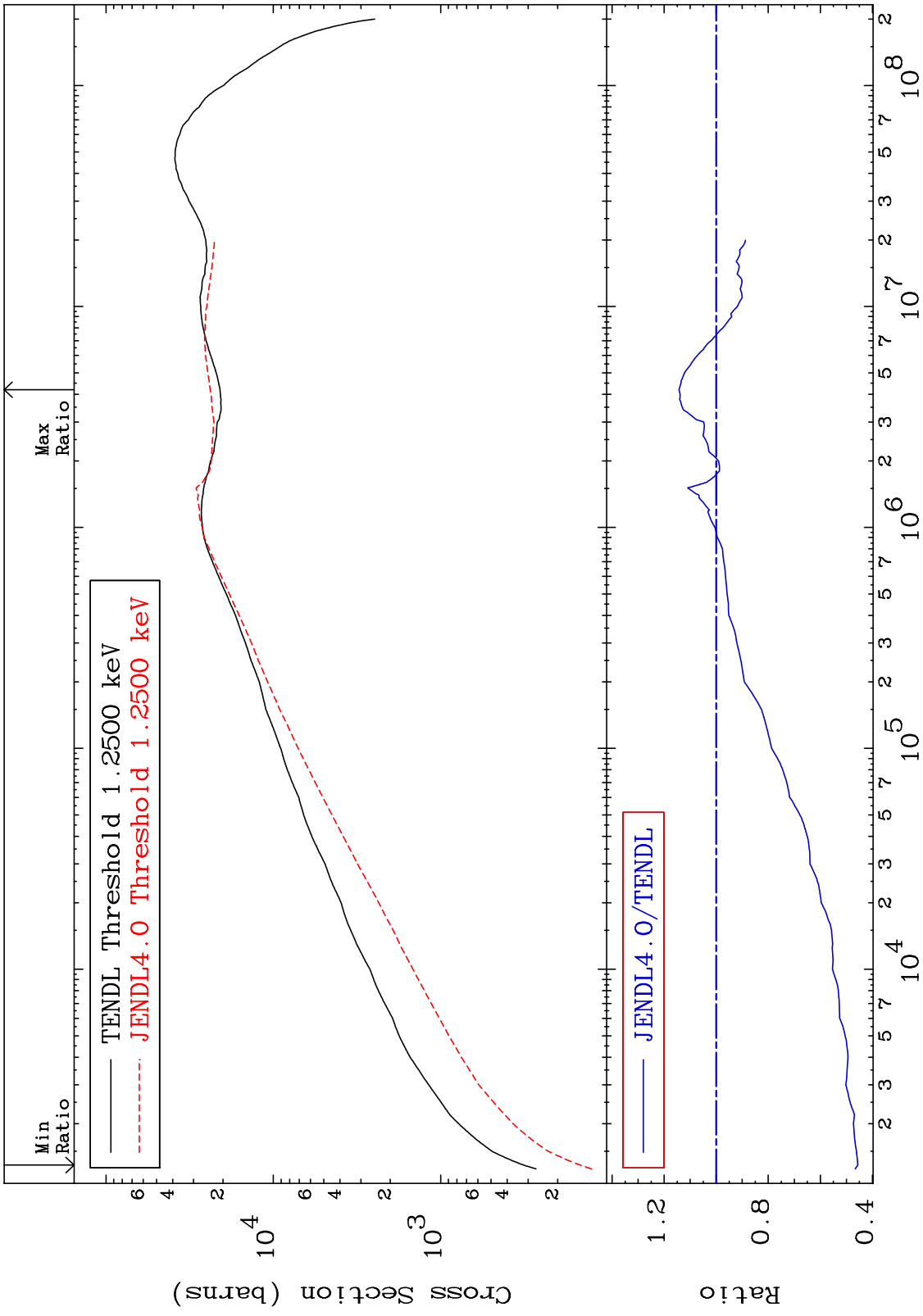
MAT 6825 Total kinematic kerma (high limit) 68-Er-162
 Cross Section -99.93 To 9999. %



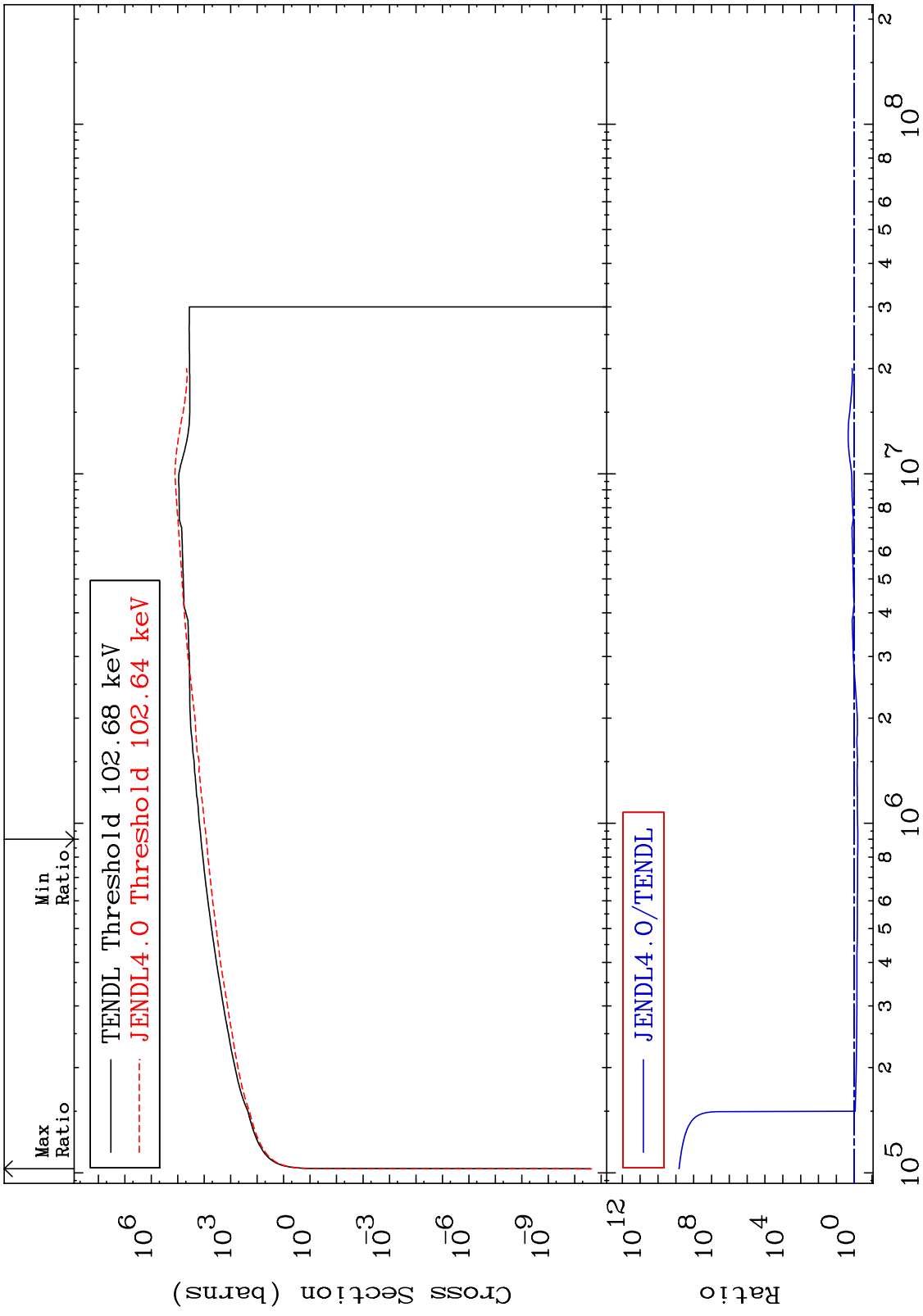
MAT 6825 Dpa total (eV-barns) 68-Er-162
 Cross Section -99.96 To 9999. %



MAT 6825 Dpa elastic (mt2) 68-Er-162
 Cross Section -54.41 To 14.28 %



MAT 6825 Dpa inelastic (mt51-91) 68-Er-162
Cross Section -37.91 To 9999. %



45 Incident Energy (eV) 68-Er-162

MAT 6825

Dpa disappearance (mt102 -120)
Cross Section

68-Er-162
-99.96 To 9999. %

