

Program Complot
(Version 2018-1)

by

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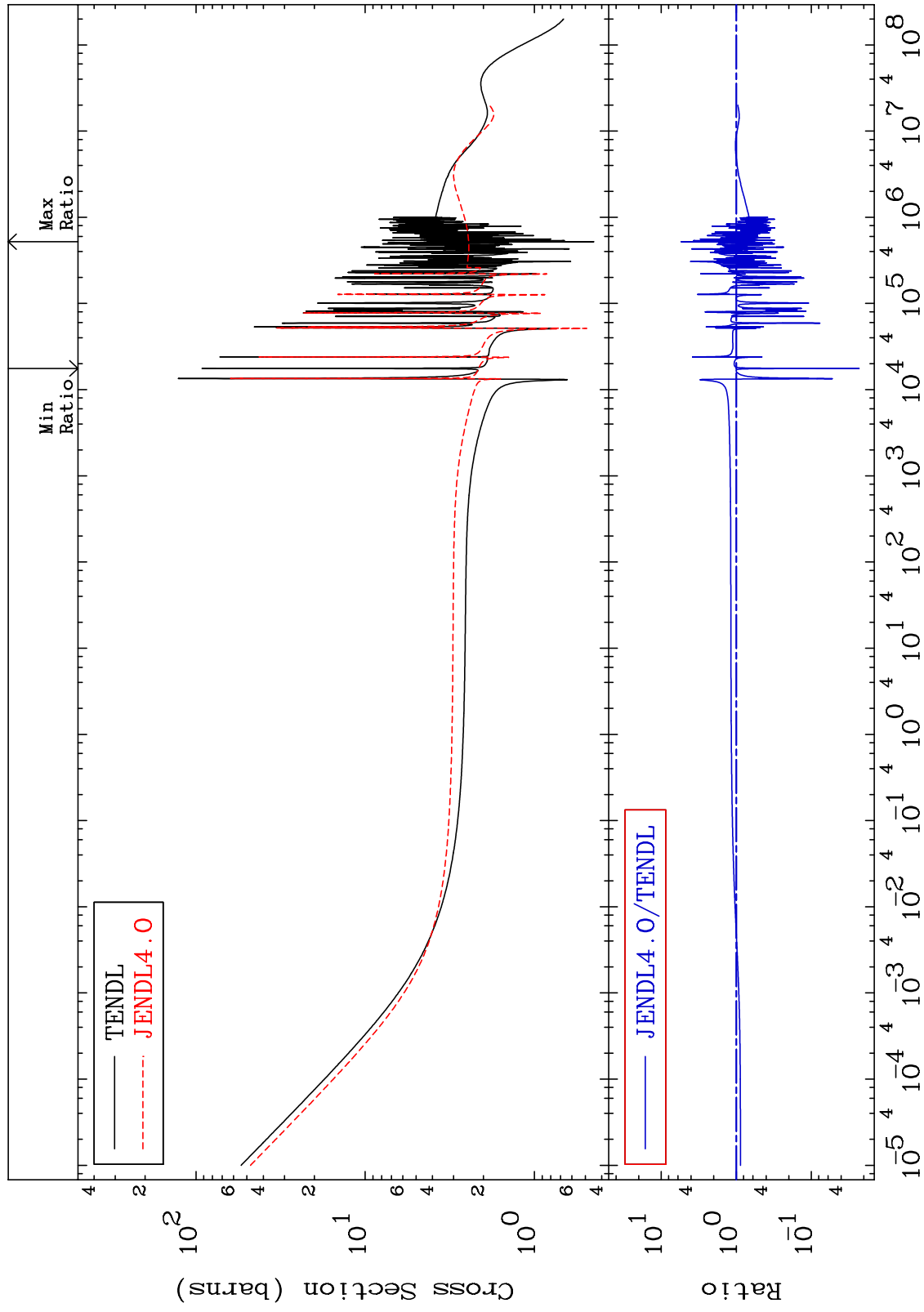
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1628 Total Cross Section 16-S -33 -97.69 To 447.9 %



16-S -33

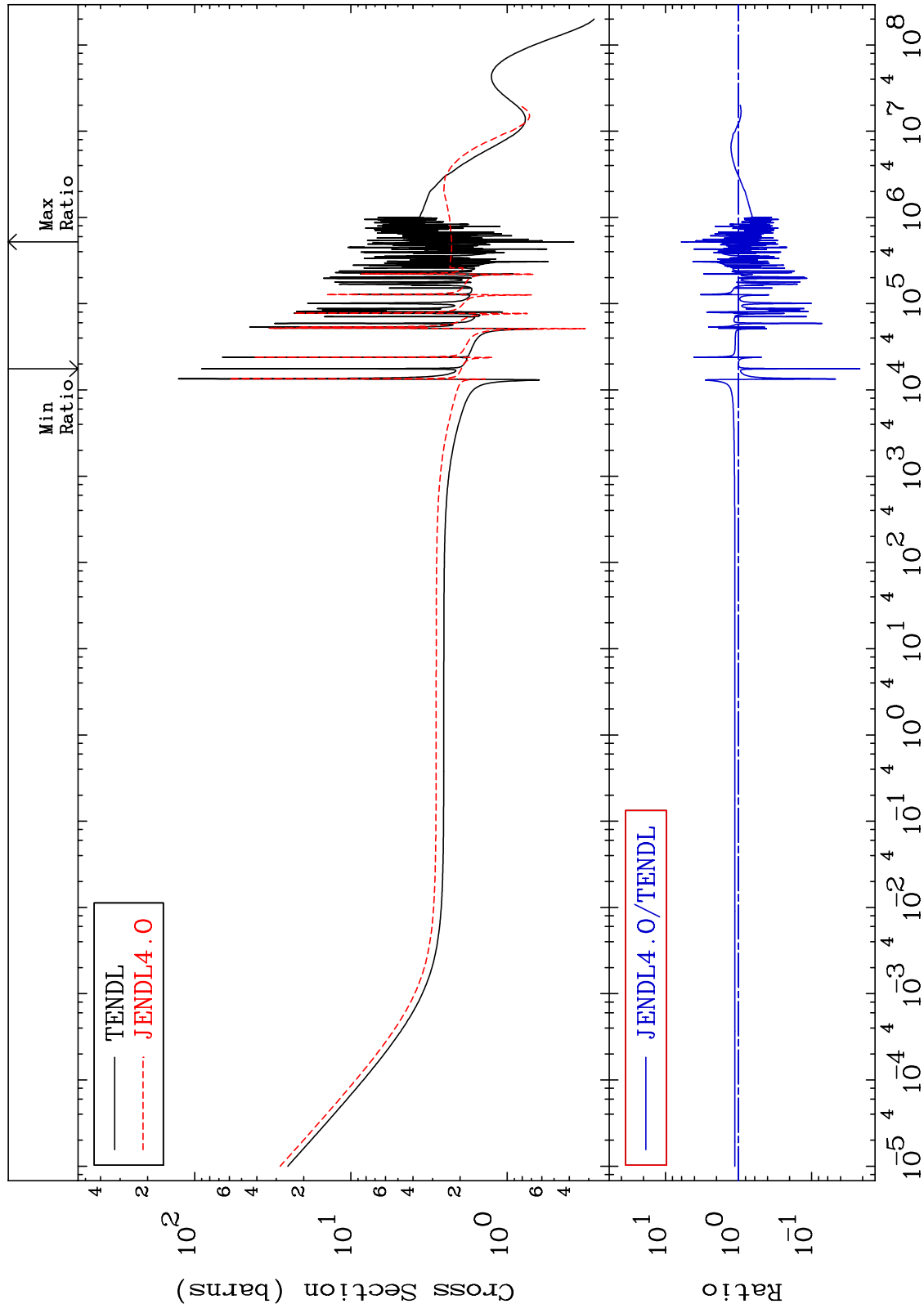
Incident Energy (eV)

1

MAT 1628

Elastic
Cross Section

16-S -33
-97.82 To 503.6 %

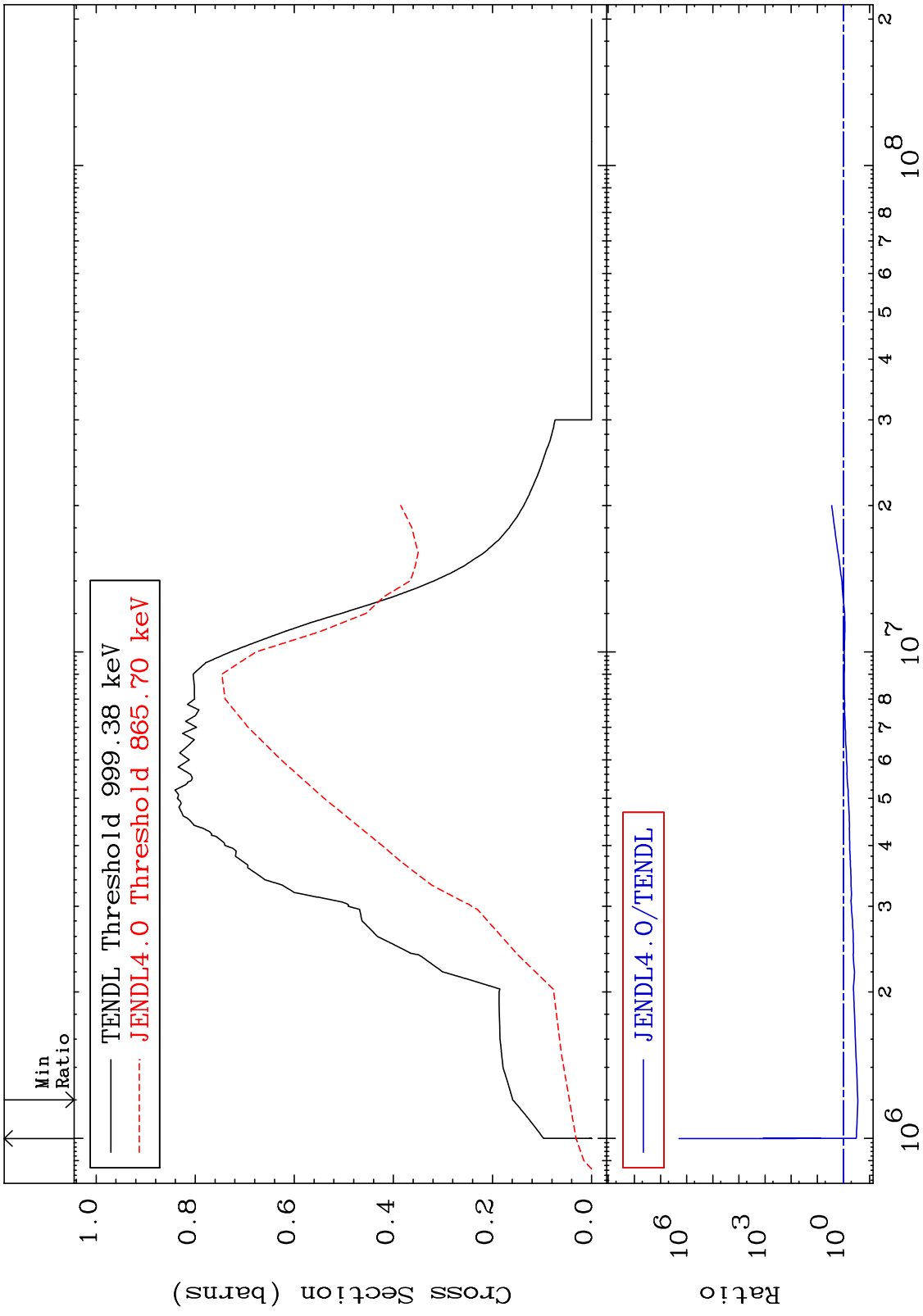


2

Incident Energy (eV)

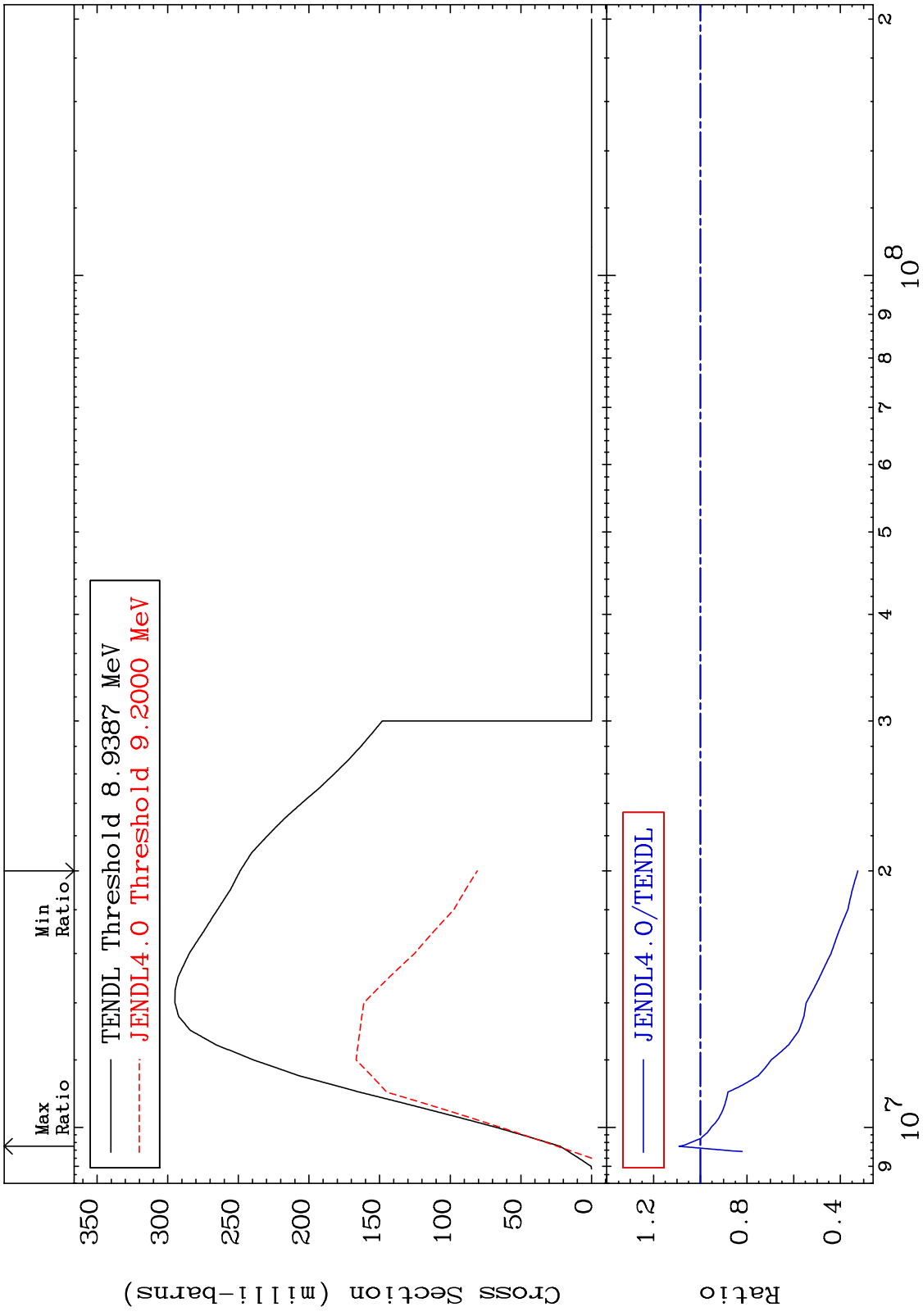
16-S -33

MAT 1628 Inelastic Cross Section 16-S -33
-71.87 To 9999. %



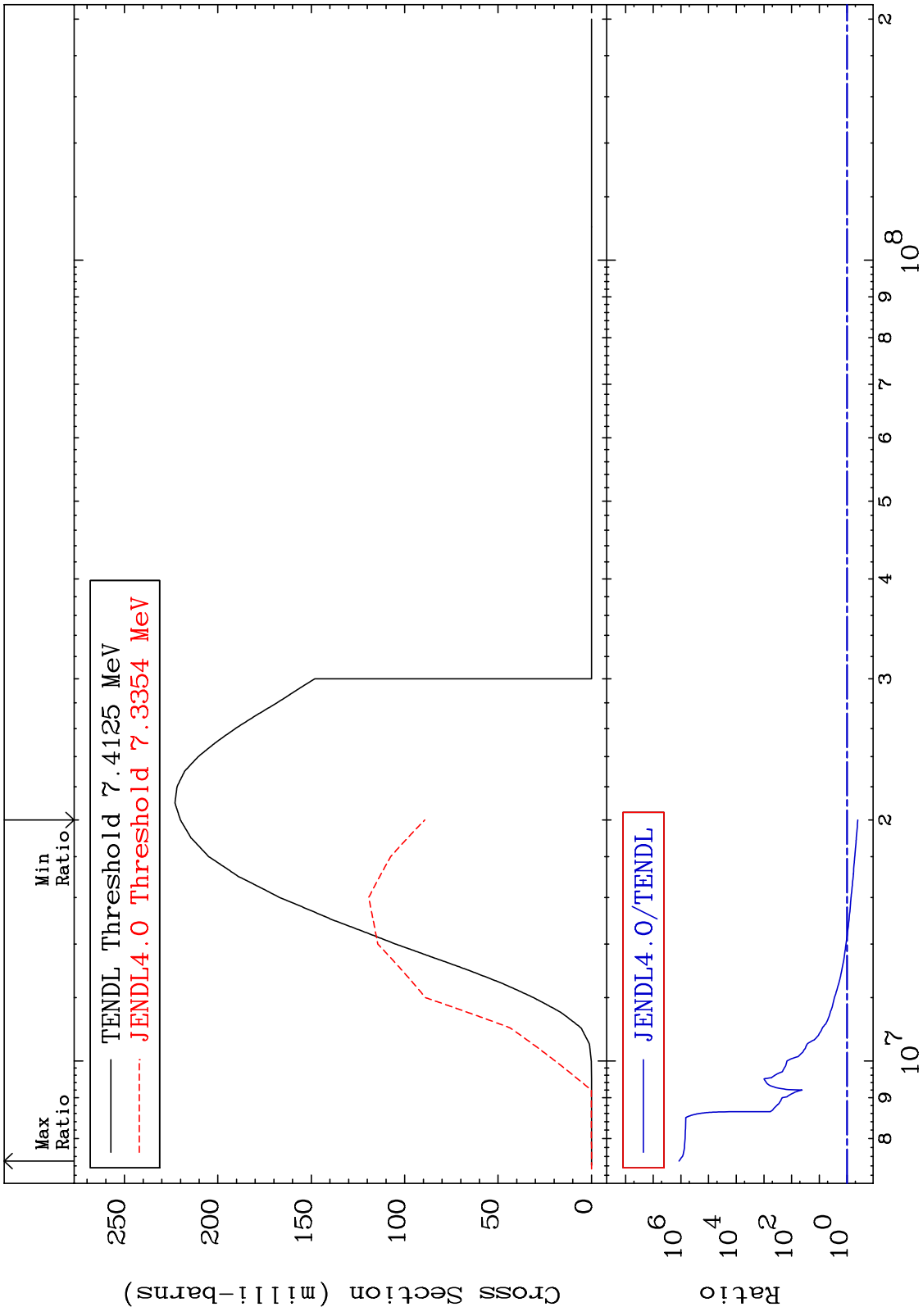
3 Incident Energy (eV) 16-S -33

MAT 1628 (n,2n) Cross Section 16-S -33 -67.48 To 9.114 %

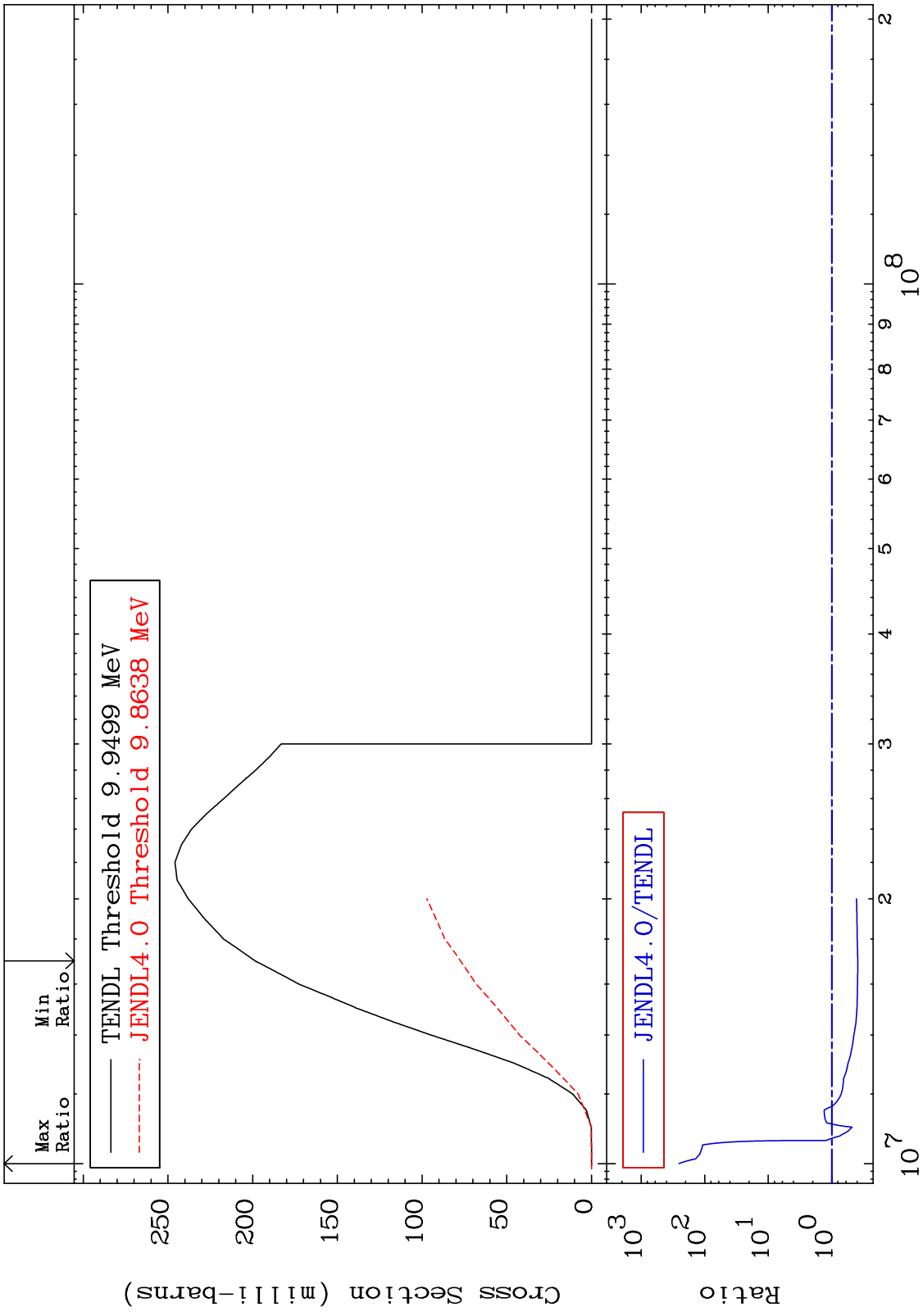


16-S -33

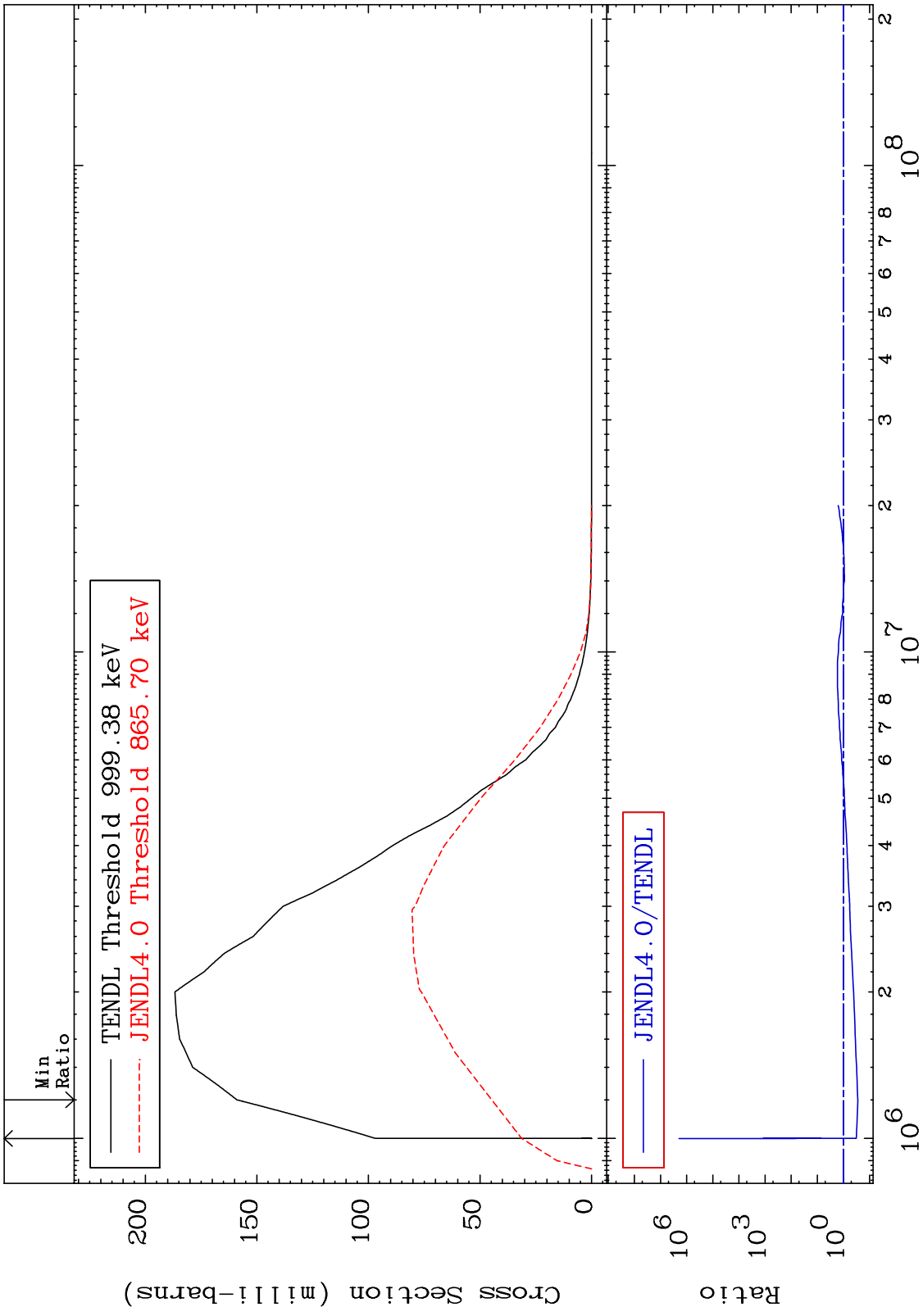
MAT 1628 $(n, n') \alpha$ 16-S -33
 Cross Section -59.45 To 9999. %



5 16-S -33

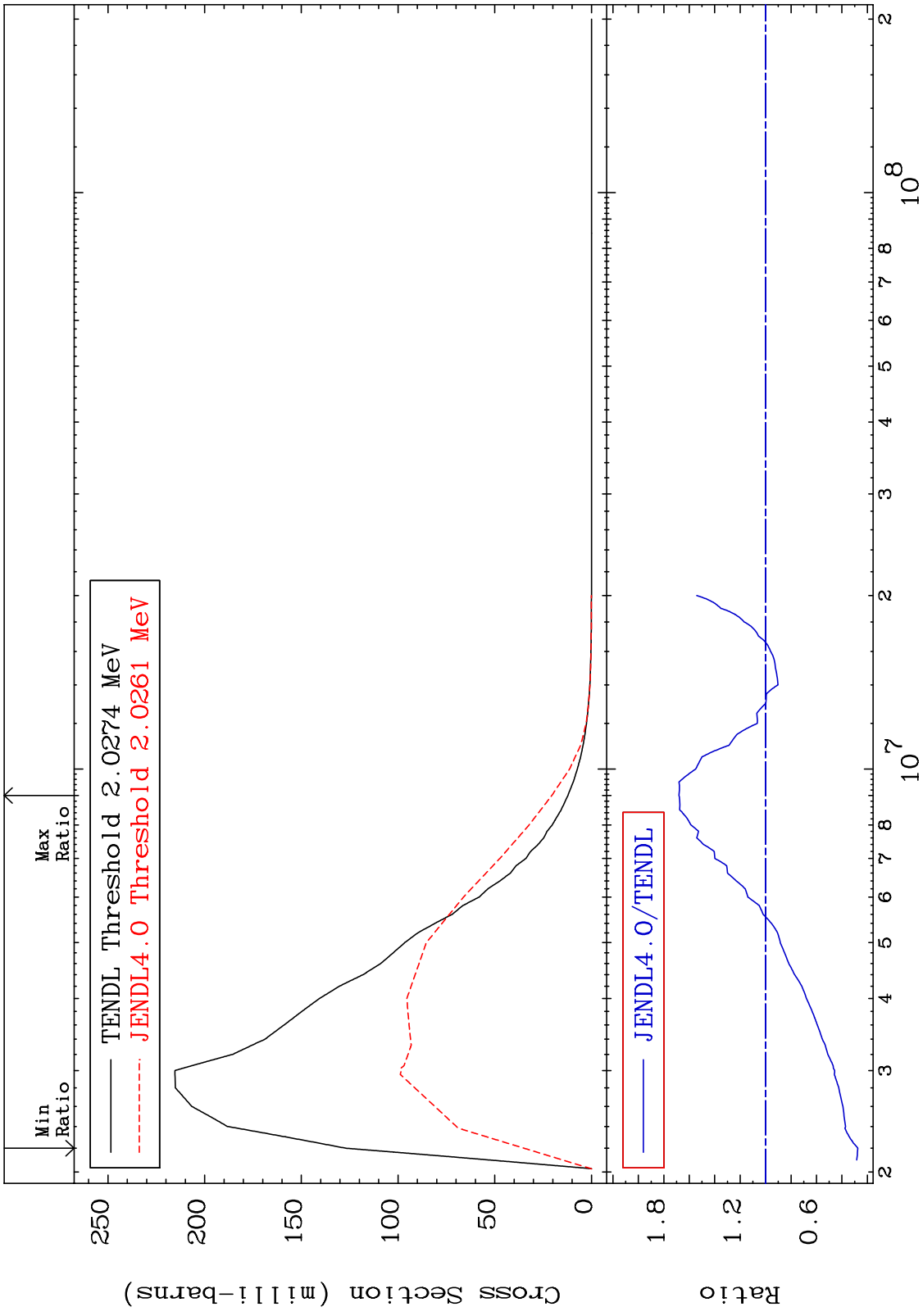


MAT 1628 MT= 51 (n,n') Level Cross Section 16-S -33
-71.87 To 9999. %

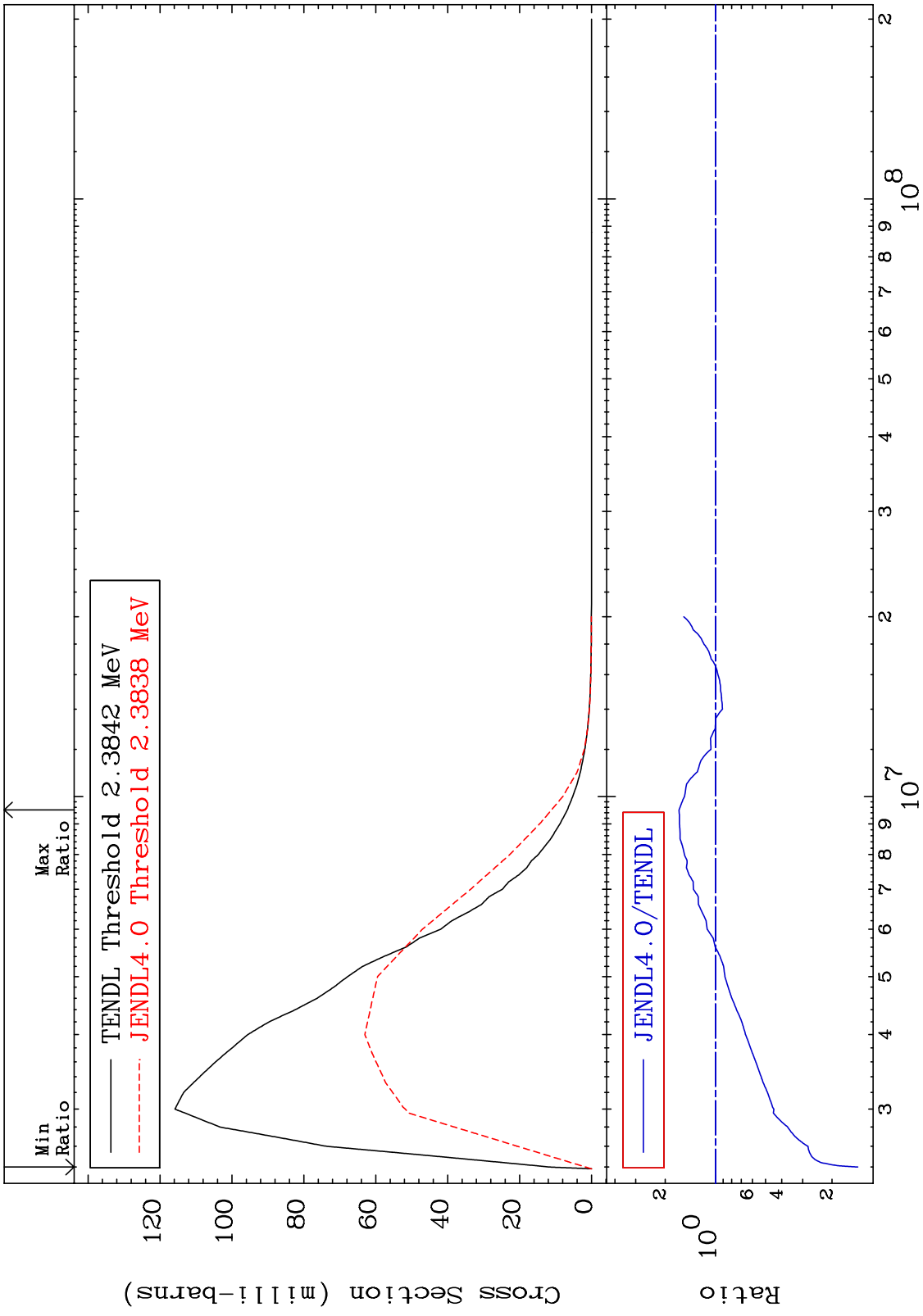


7 10⁶ 10⁷ 10⁸ Incident Energy (eV) 16-S -33

MAT 1628 MT= 52 (n,n') Level Cross Section -72.52 To 68.04 % 16-S -33

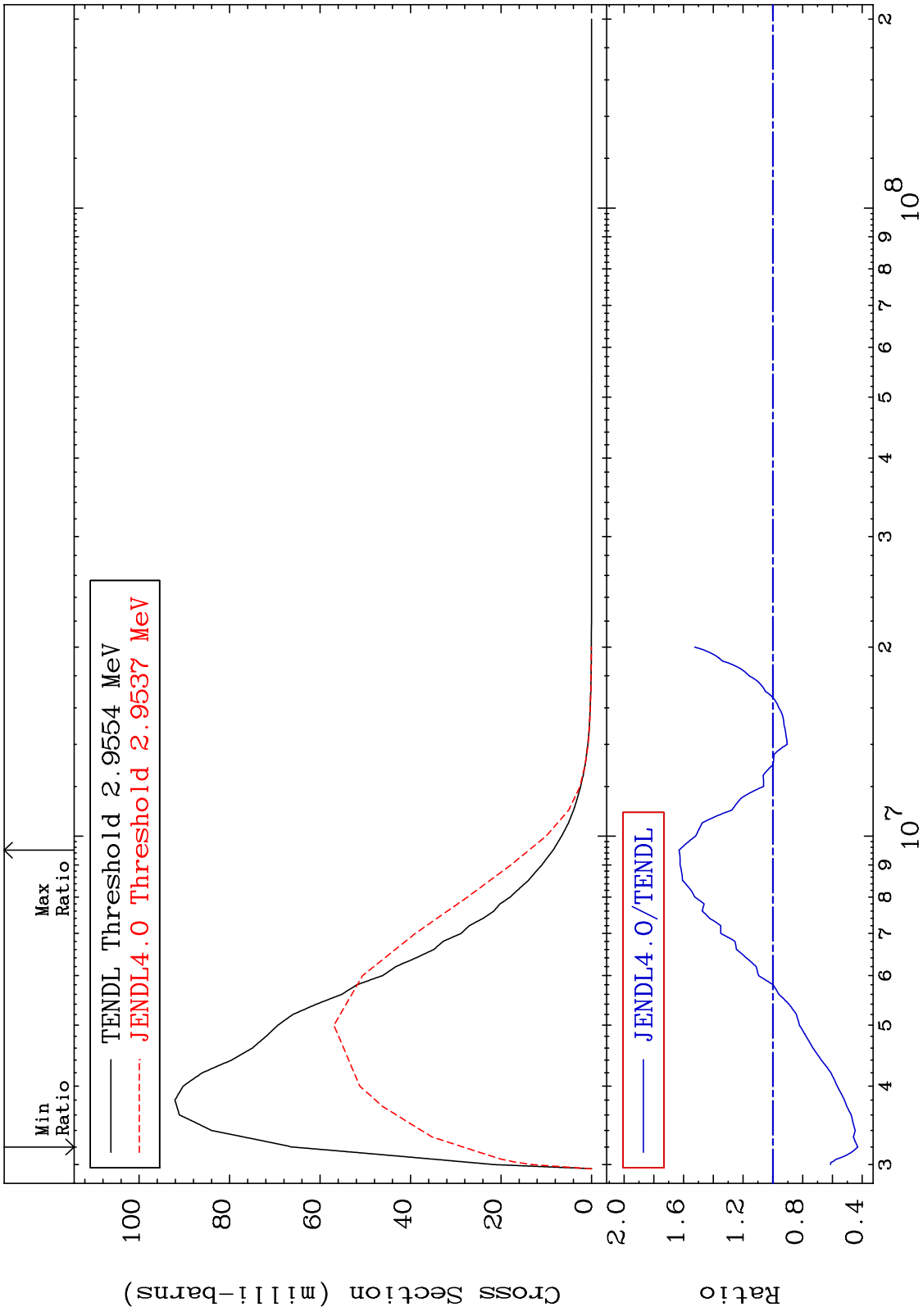


MAT 1628 MT= 53 (n,n') Level Cross Section 16-S -33
 -85.99 To 65.18 %



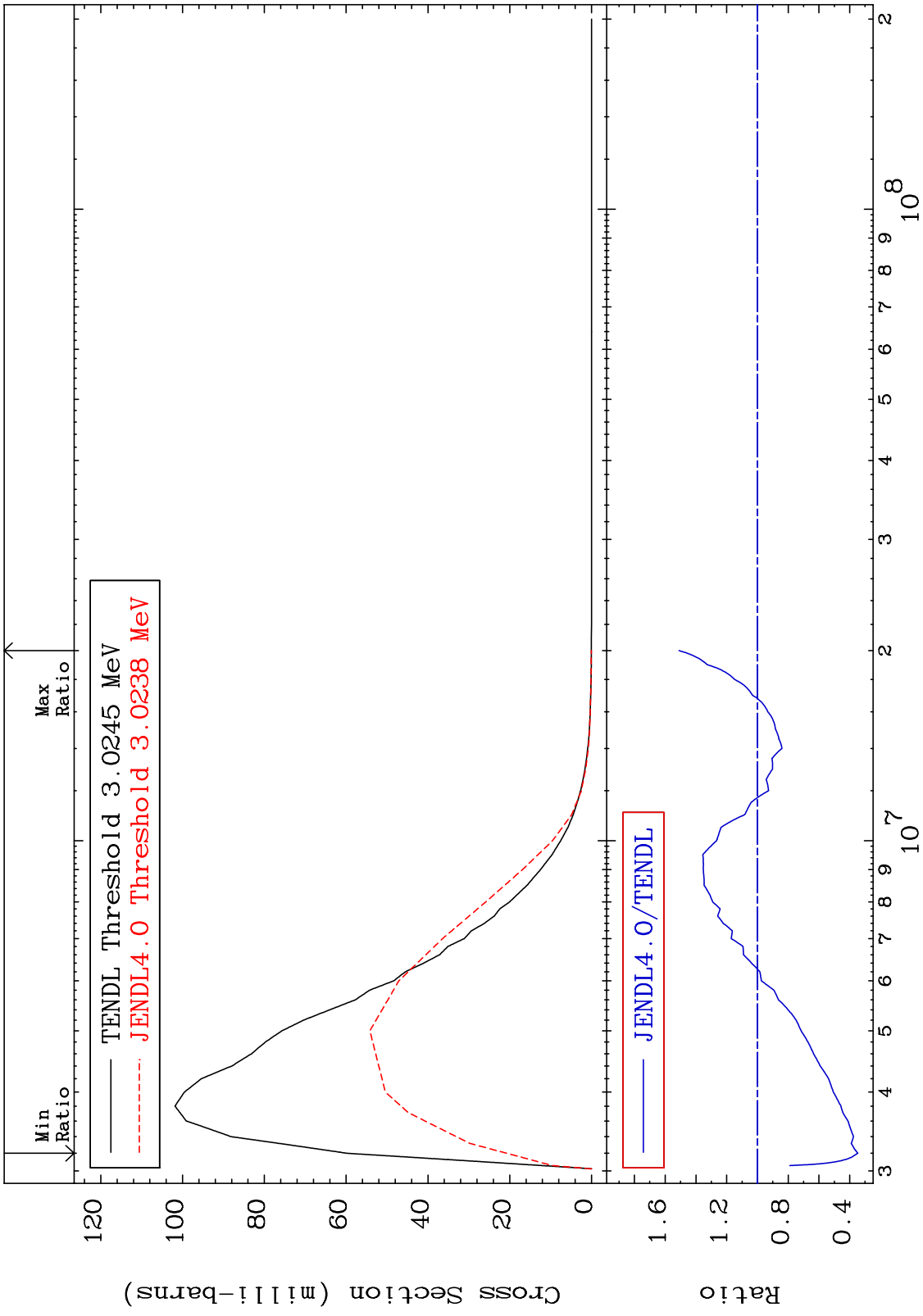
9 16-S -33

MAT 1628 MT= 54 (n,n') Level Cross Section 16-S -33
 -57.10 To 63.03 %



10 Incident Energy (eV) 16-S -33

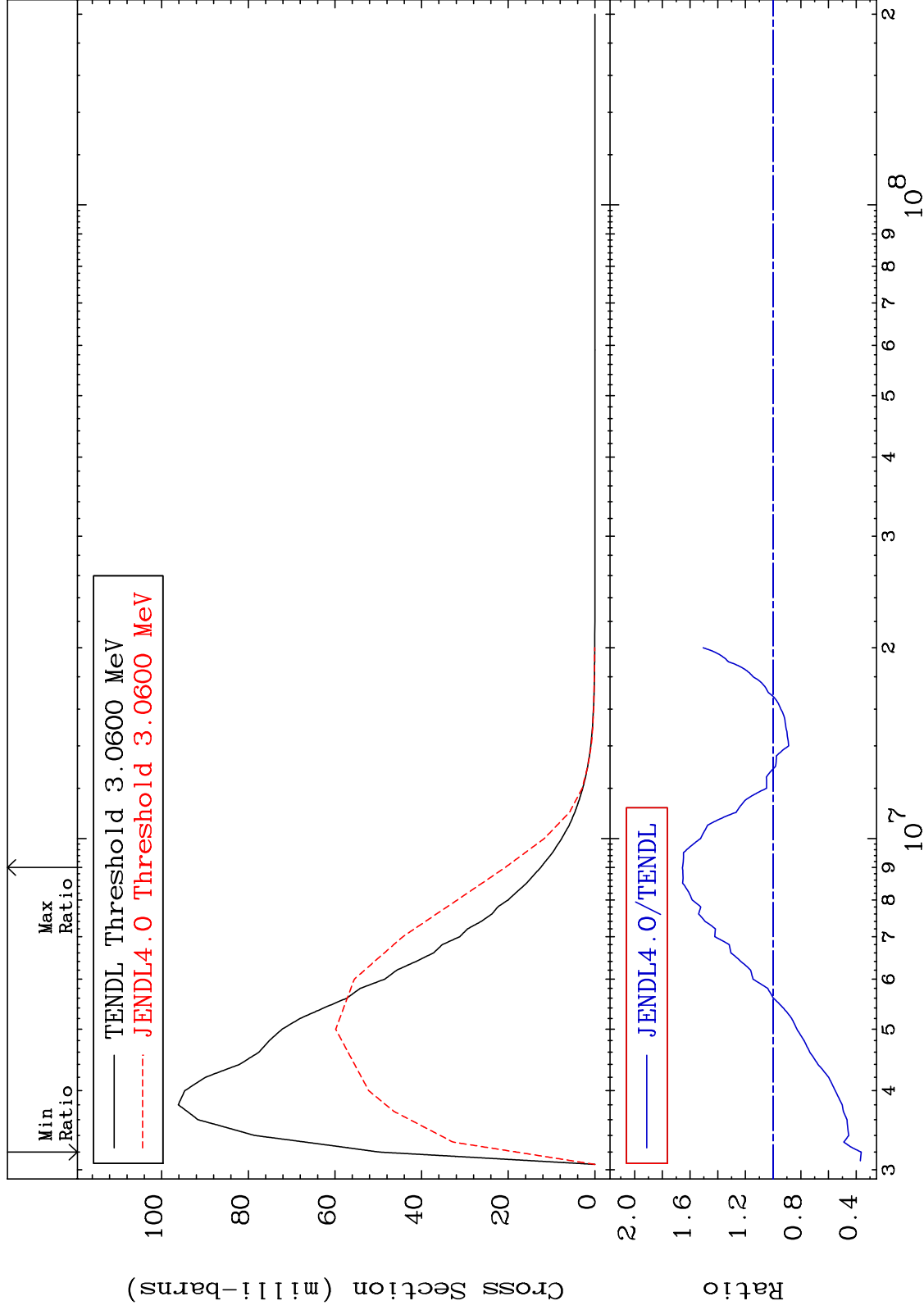
MAT 1628 MT= 55 (n,n') Level Cross Section -65.31 To 50.97 % 16-S -33



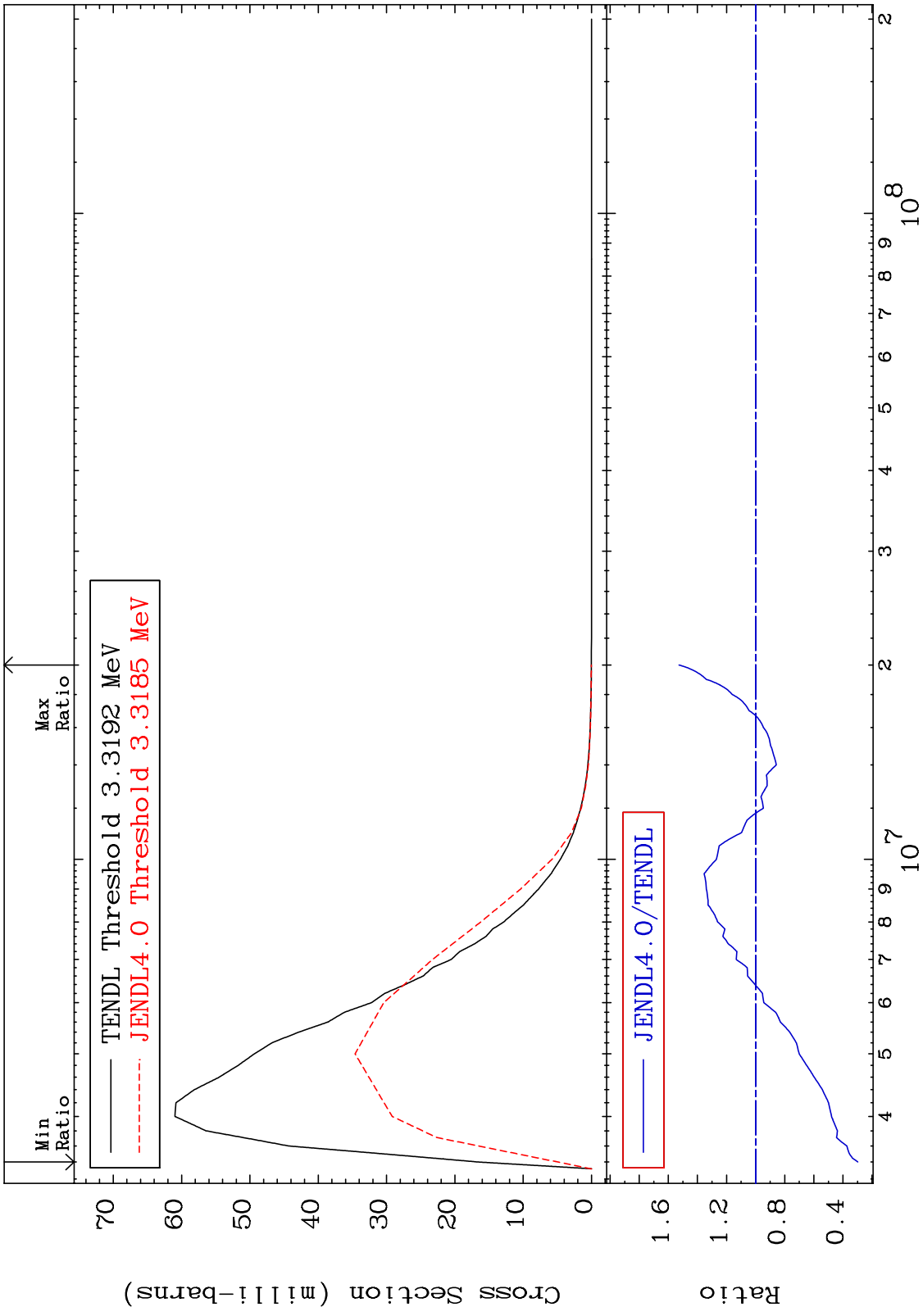
MAT 1628

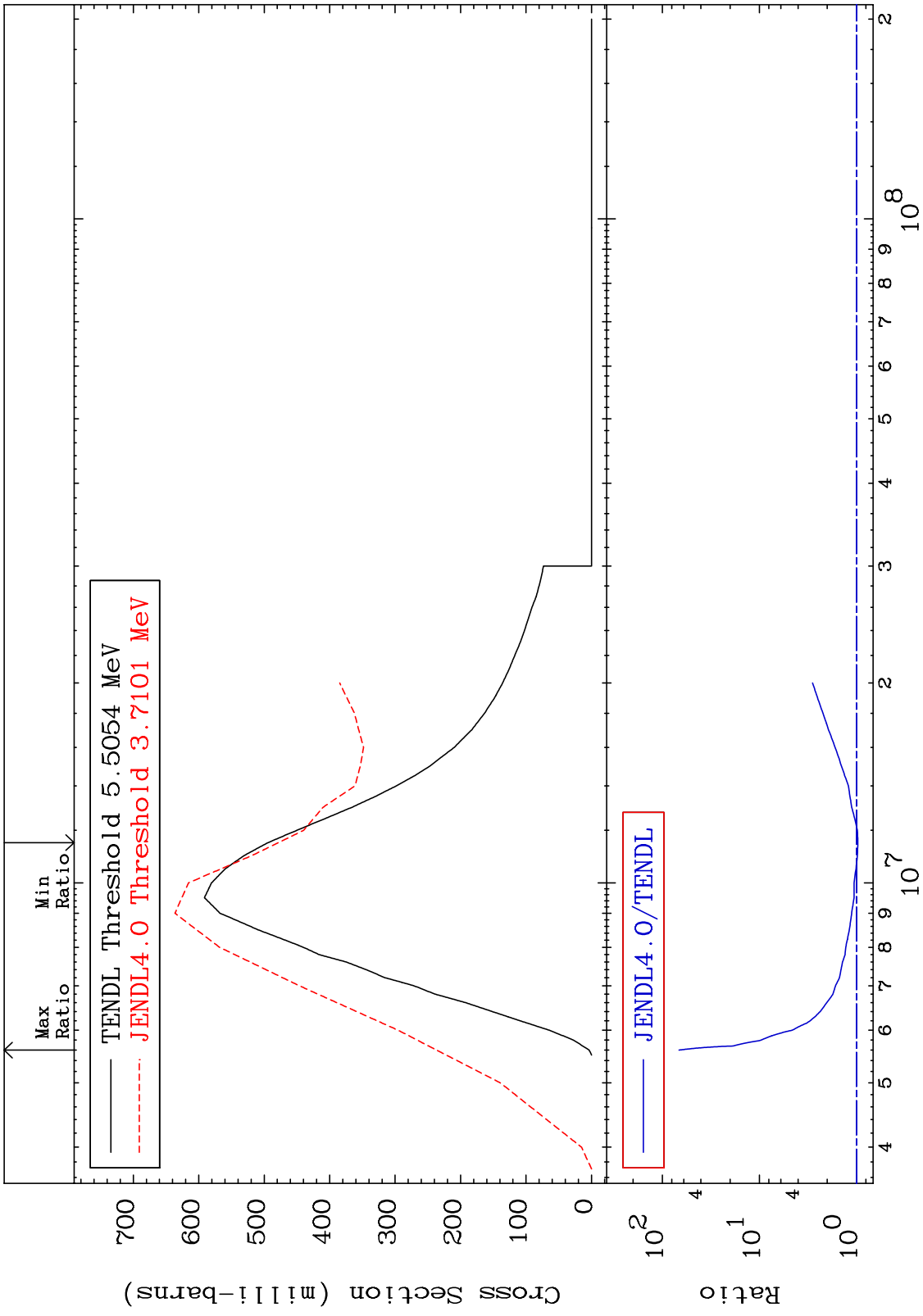
MT= 56 (n,n') Level
Cross Section

16-S -33
-63.67 To 65.46 %



MAT 1628 MT= 57 (n,n') Level Cross Section 16-S -33
 -70.22 To 52.63 %





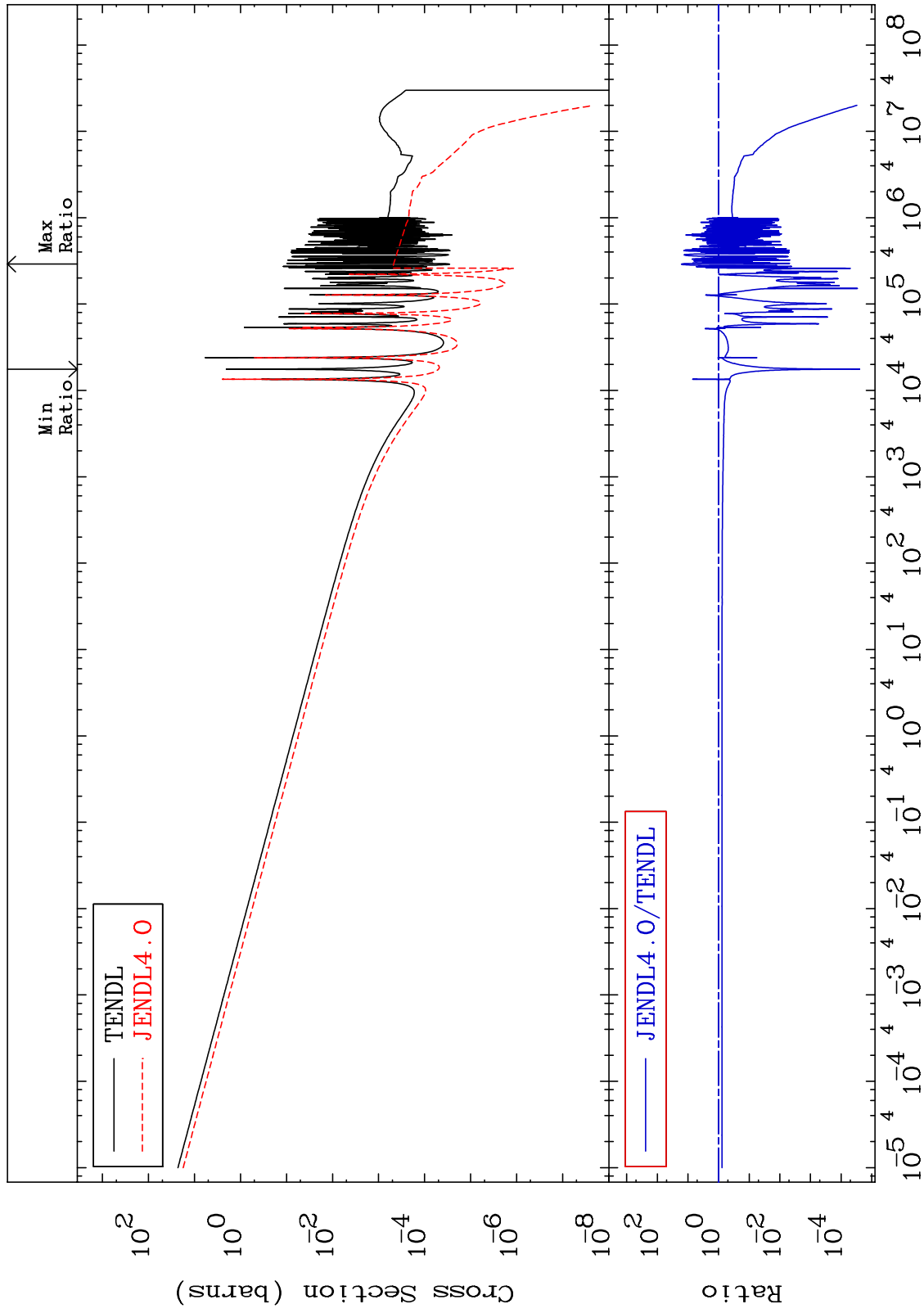
MAT 1628

(n, γ)

16-S -33

Cross Section

-100.0 To 1556. %

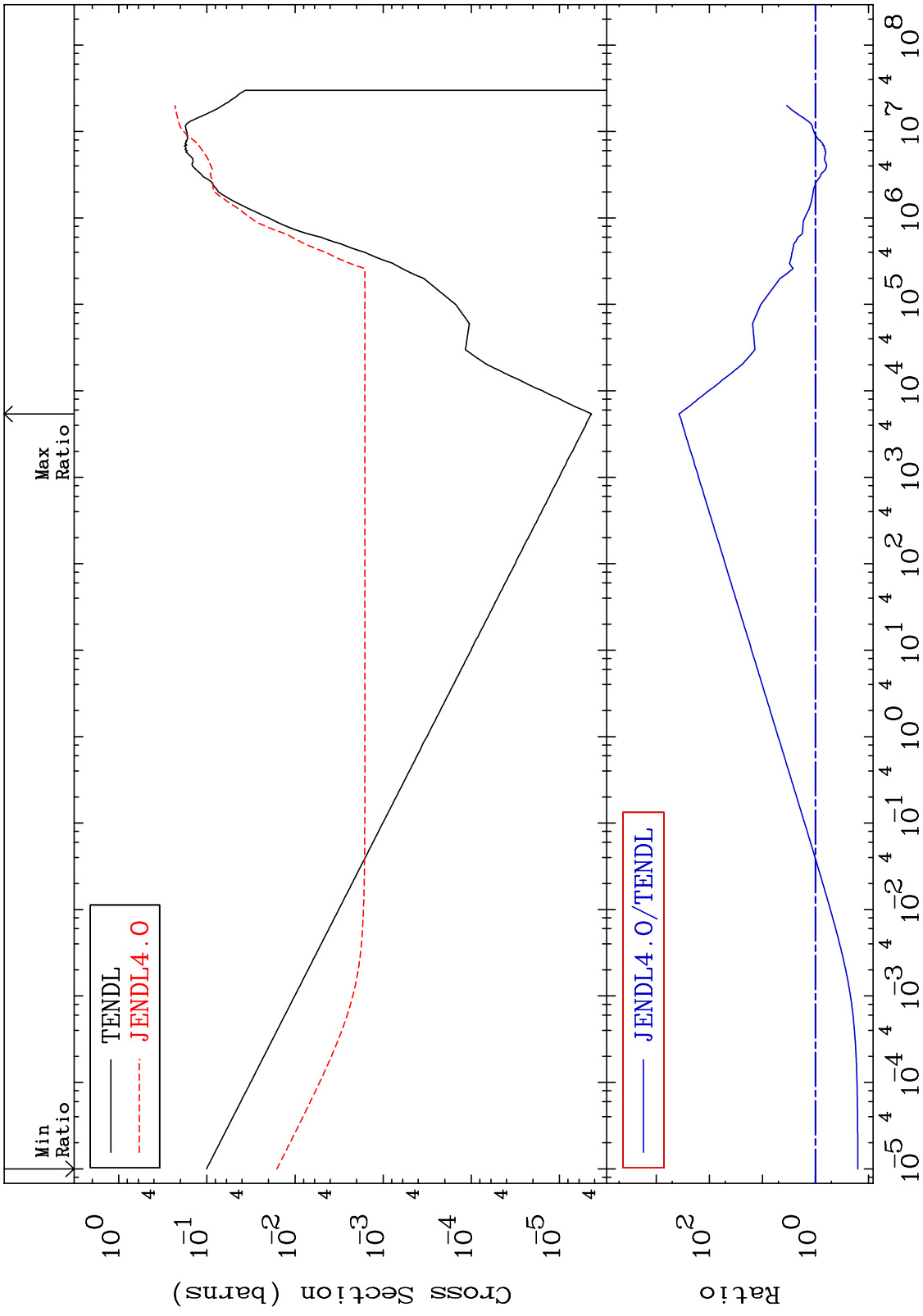


15

Incident Energy (eV)

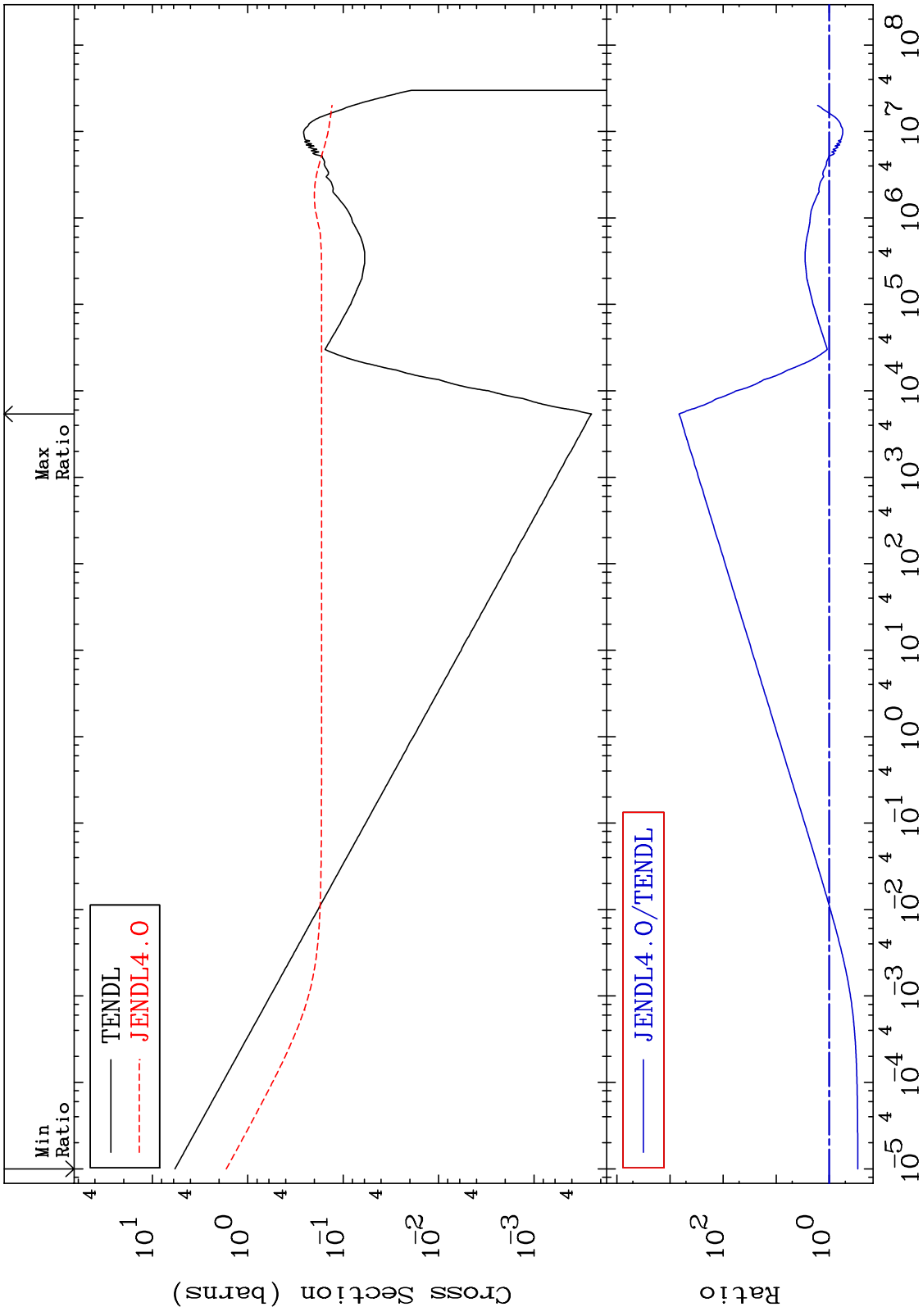
16-S -33

MAT 1628 (n,p) Cross Section 16-S -33
 -84.10 To 9999. %



16
 16-S -33

MAT 1628 16-S -33
-71.07 To 9999. %
 (n,α)
 Cross Section

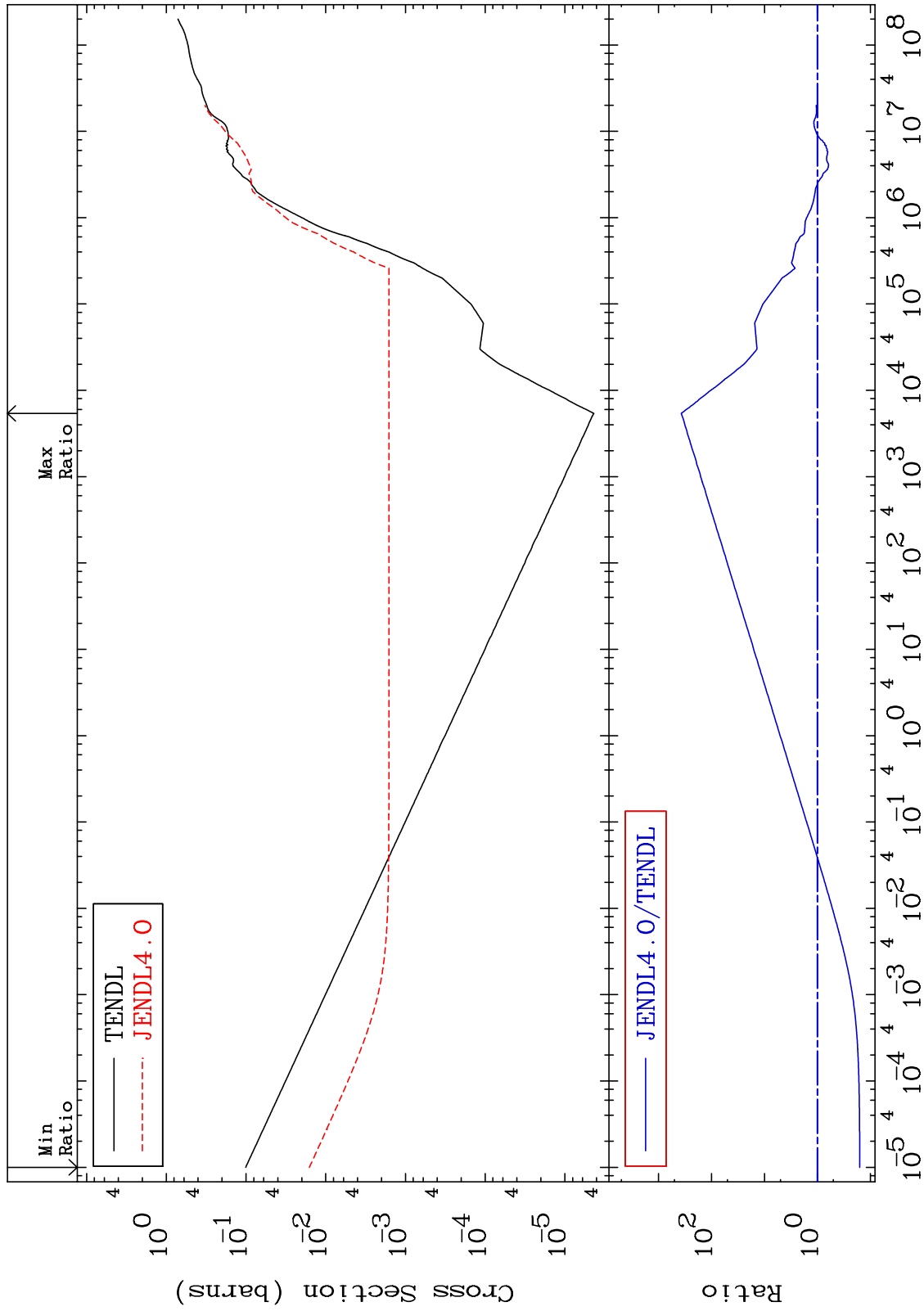


17 16-S -33

MAT 1628

Hydrogen Production
Cross Section

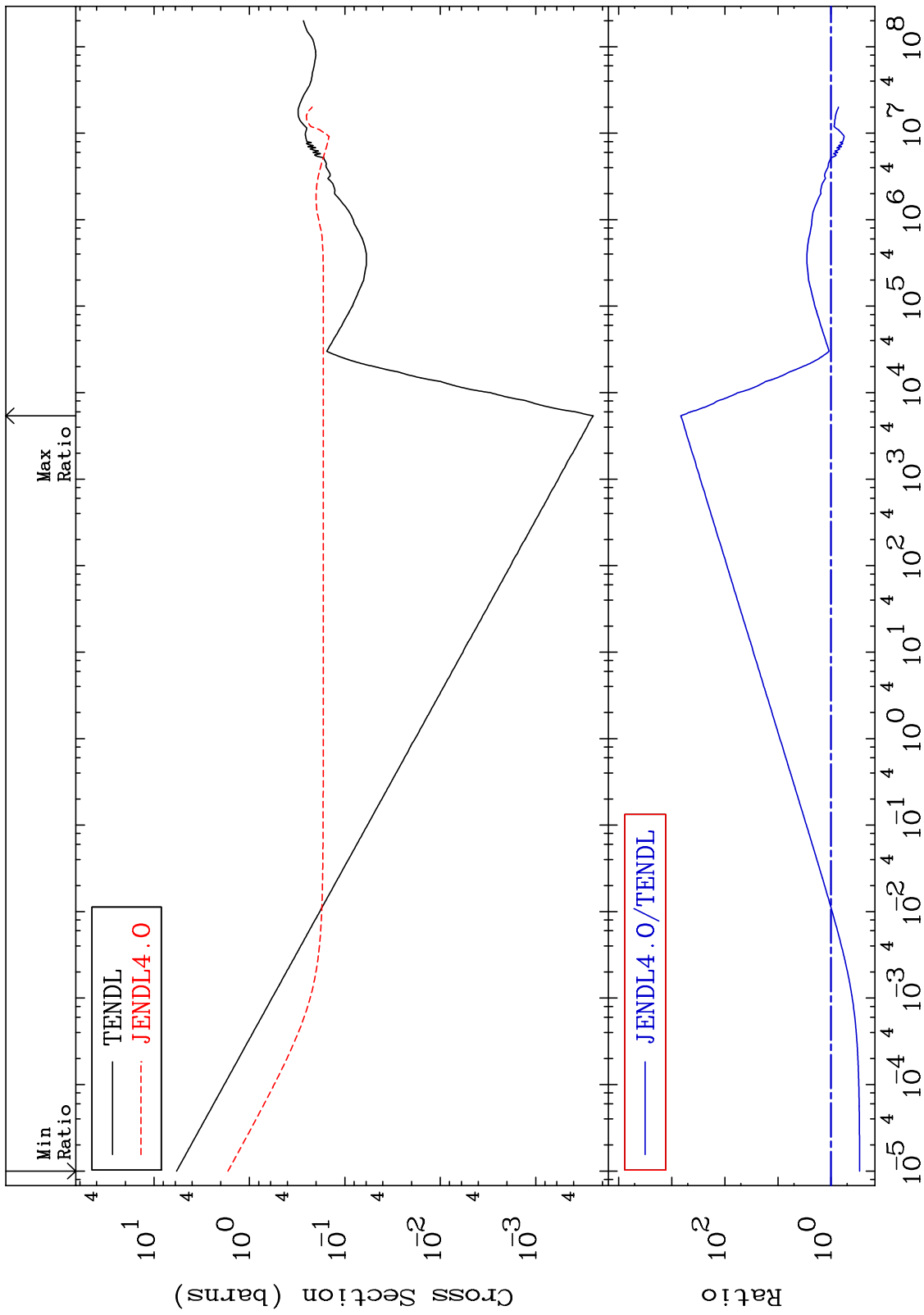
16-S -33
-84.10 To 9999. %



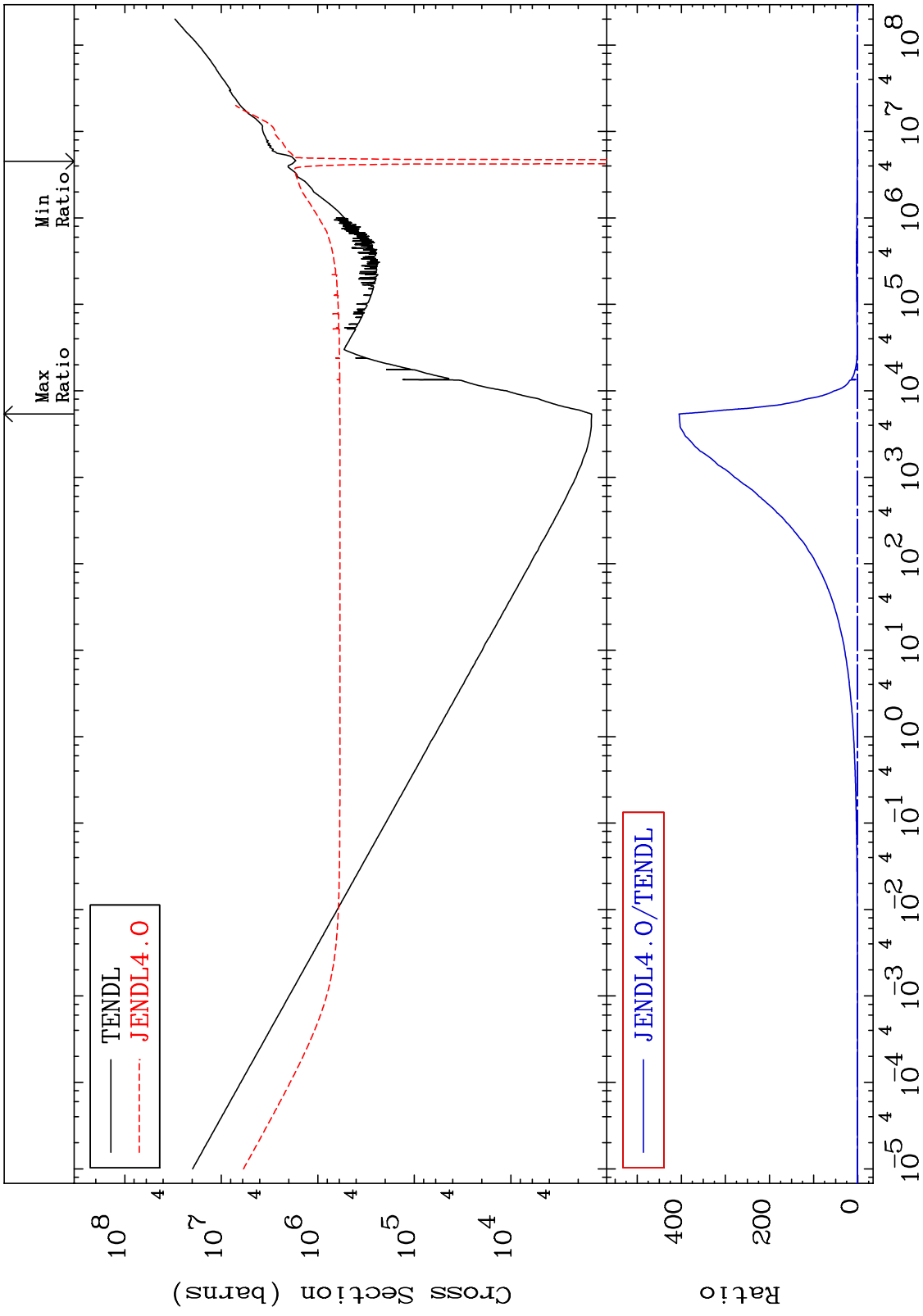
MAT 1628

He-4 Production
Cross Section

16-S -33
-71.07 To 9999. %

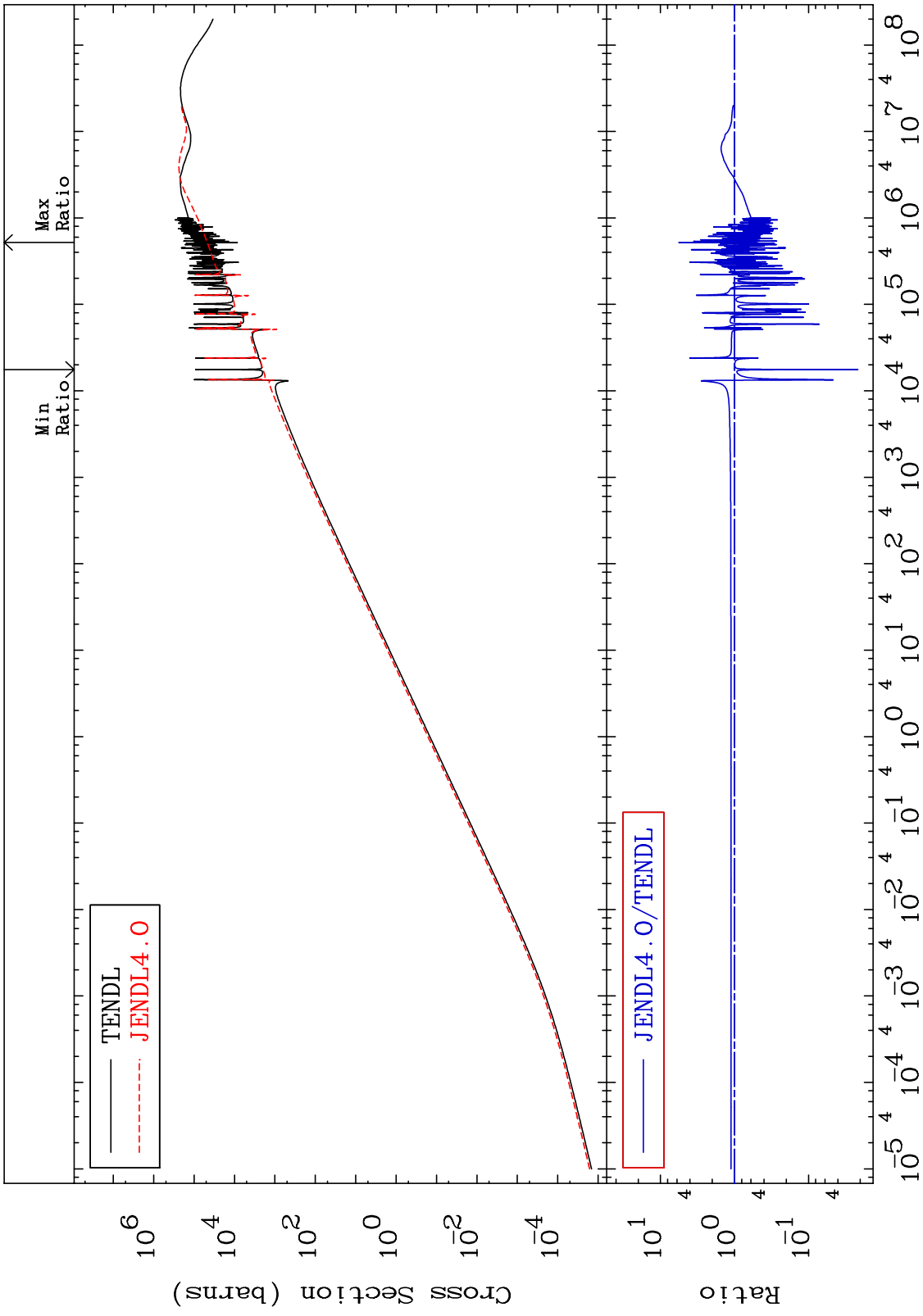


MAT 1628 16-S -33
 Kerma total (eV-barns) -126.5 To 9999. %
 Cross Section

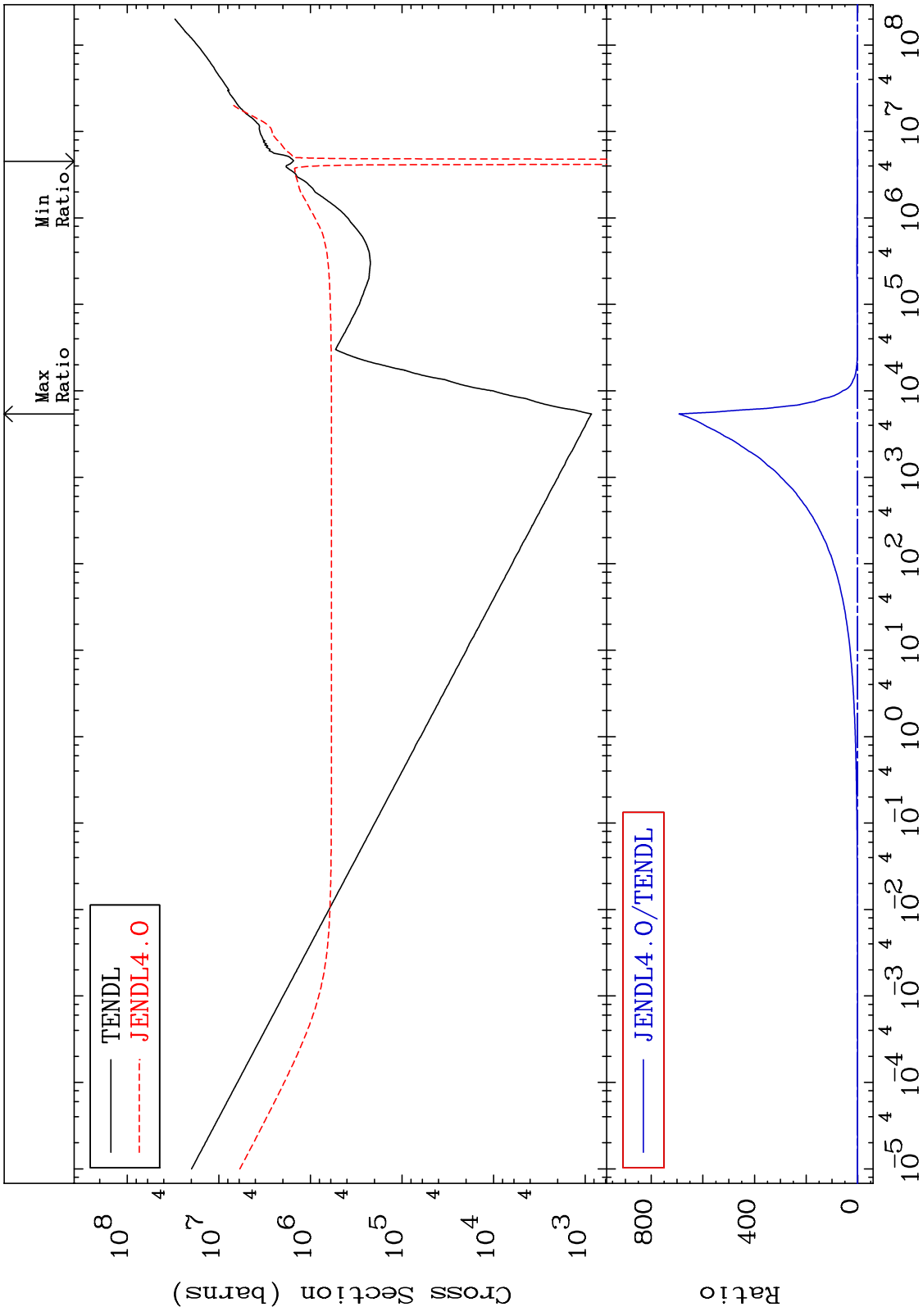


20 16-S -33

MAT 1628 Kerma elastic Cross Section 16-S -33
 -97.84 To 461.6 %



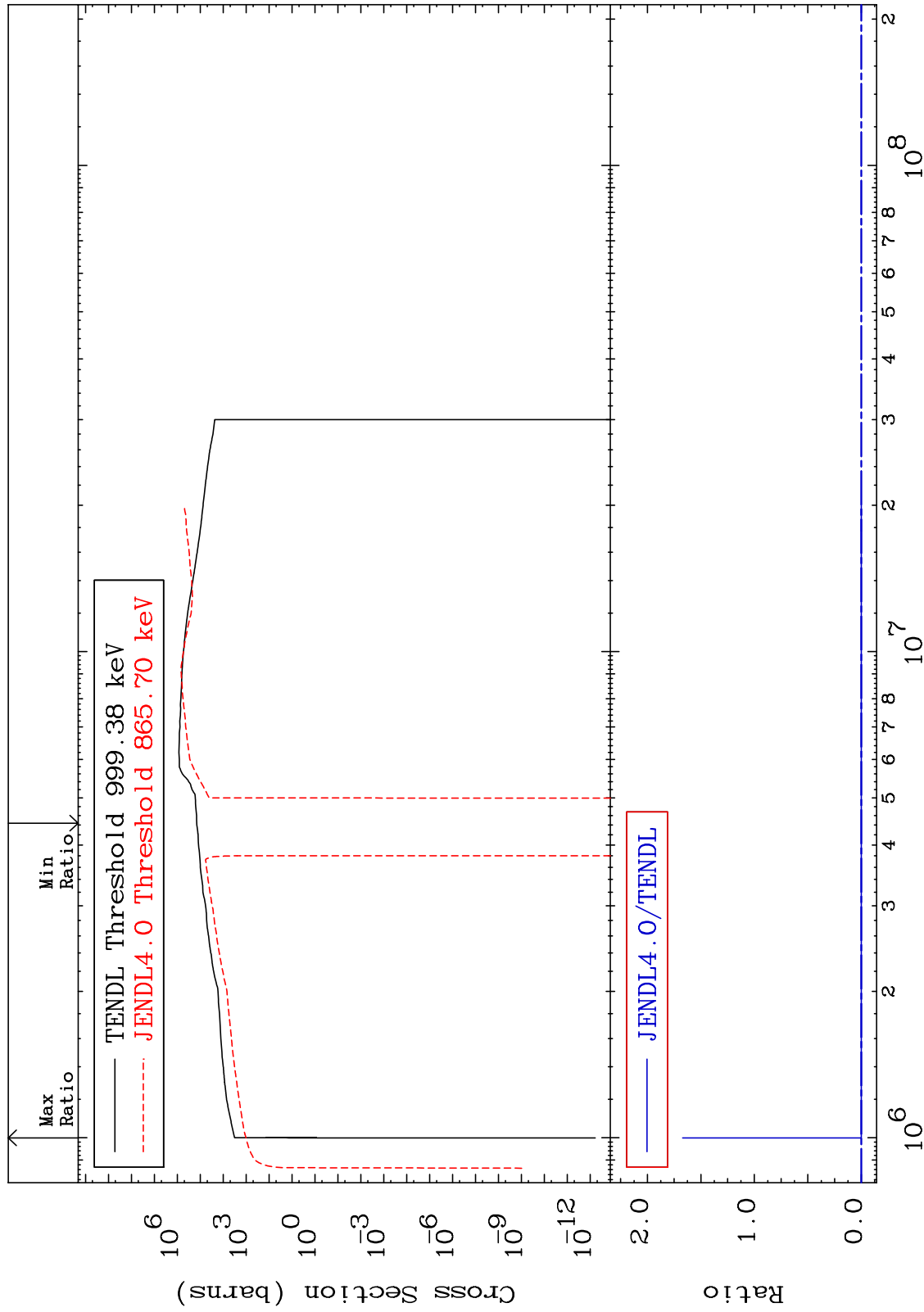
MAT 1628 Kerma non-elastic (all but mt.2) 16-S -33
 Cross Section -144.4 To 9999. %



MAT 1628

Kerma inelastic (mt51-91)
Cross Section

16-S -33
-1612. To 9999. %

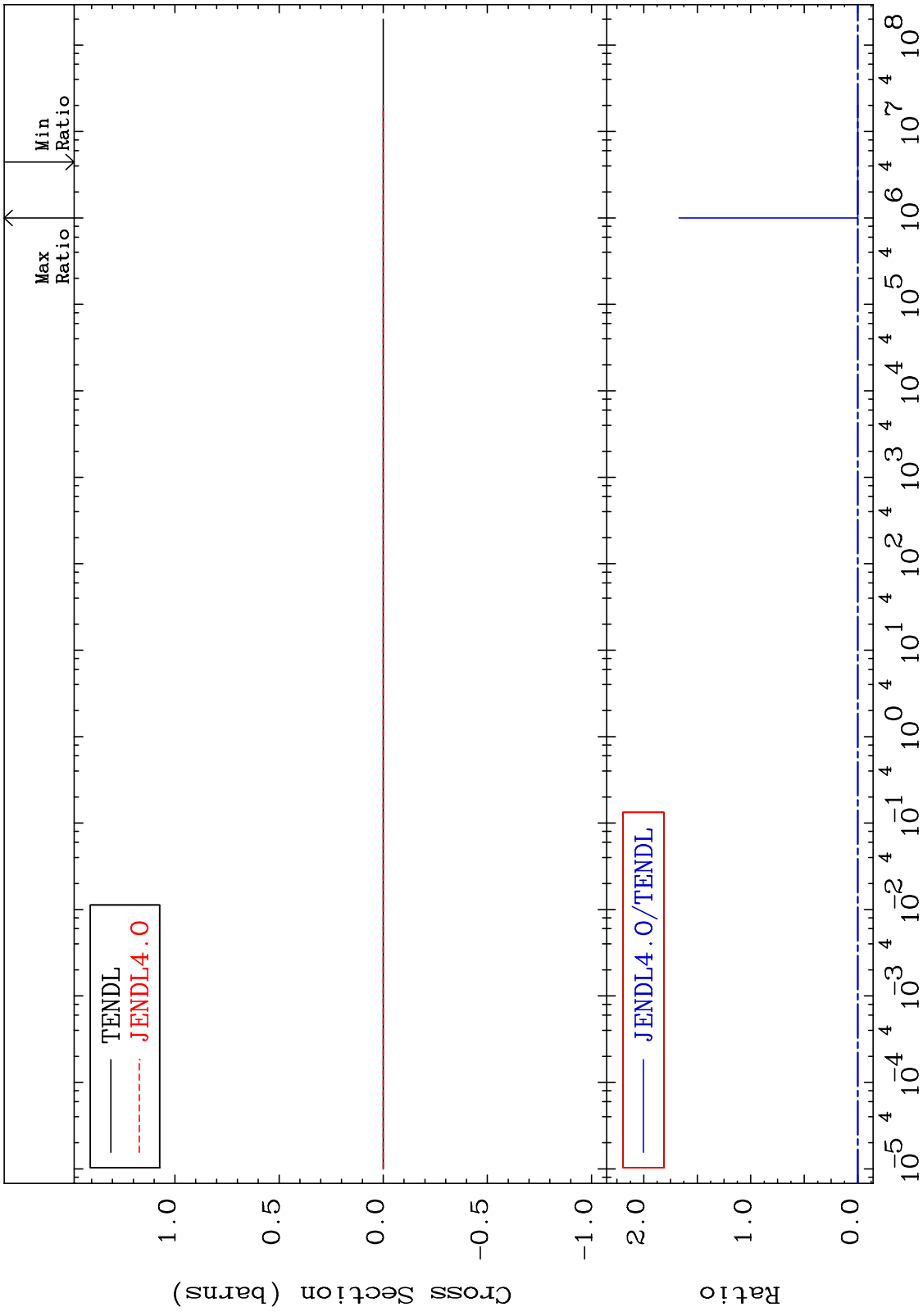


23

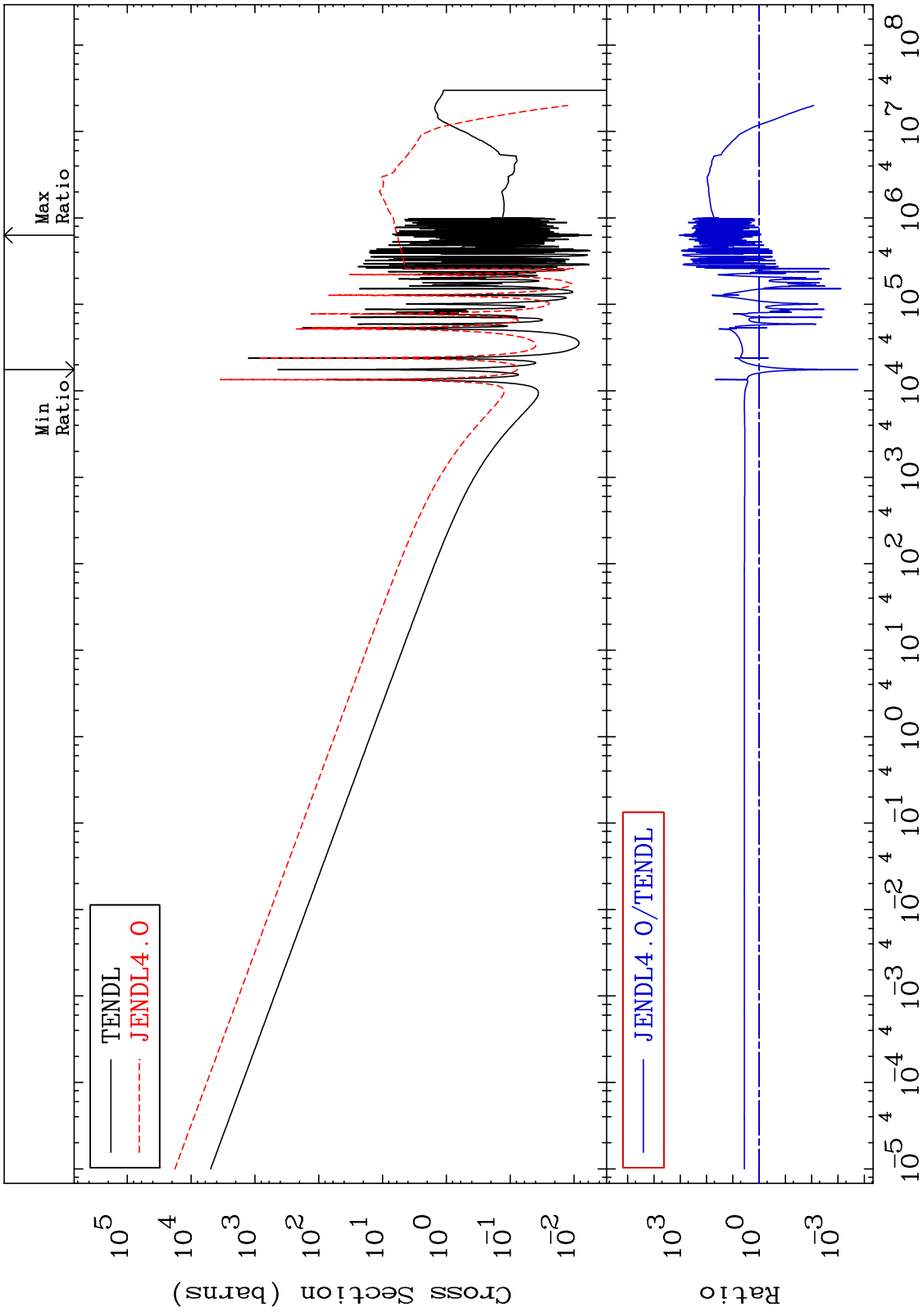
Incident Energy (eV)

16-S -33

MAT 1628 Kerma fission (mt18 or mt19-20-21-38) 16-S -33
 Cross Section -1612. To 9999. %



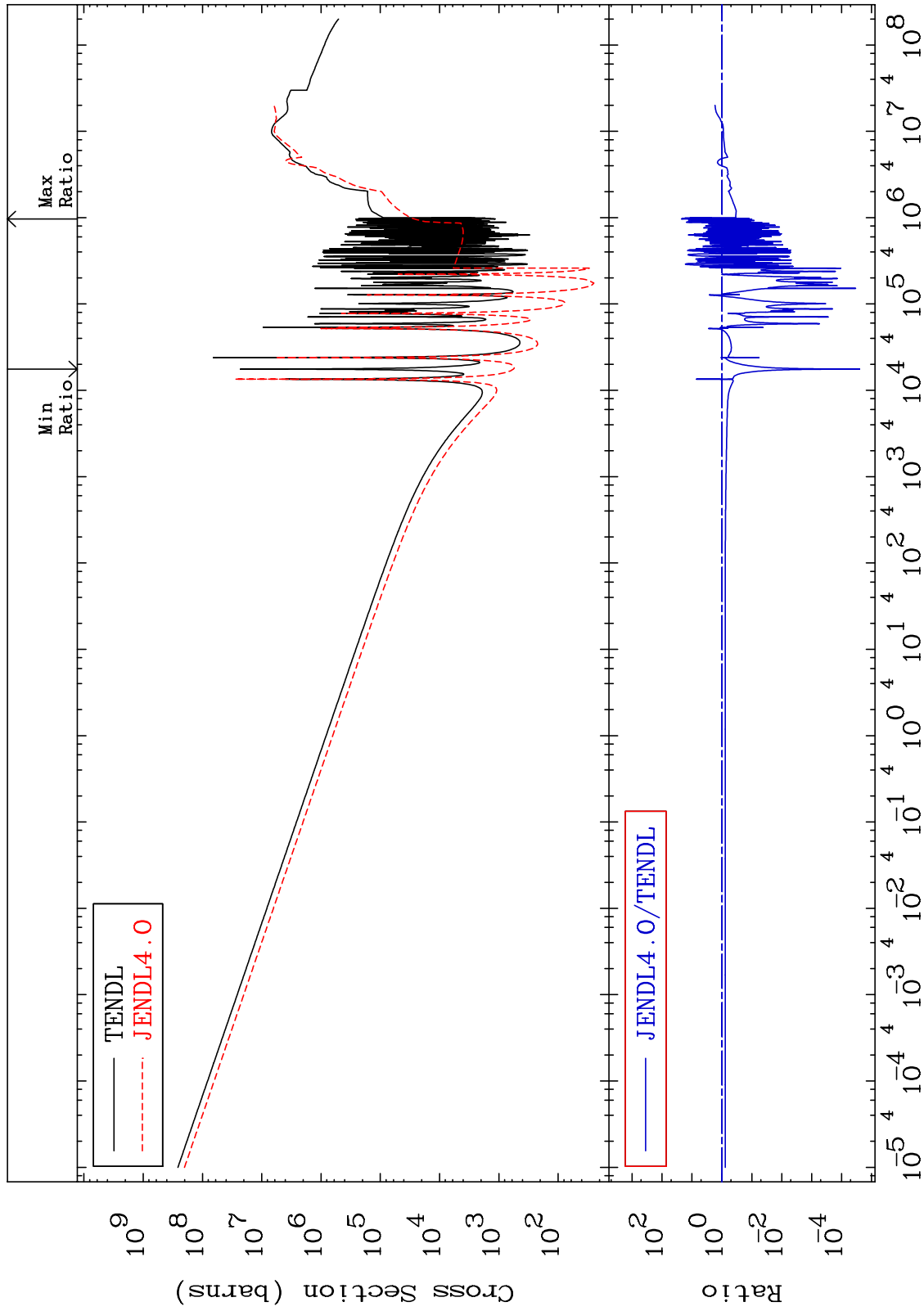
MAT 1628 Kerma capture (mt102) 16-S -33
 Cross Section -99.98 To 9999. %



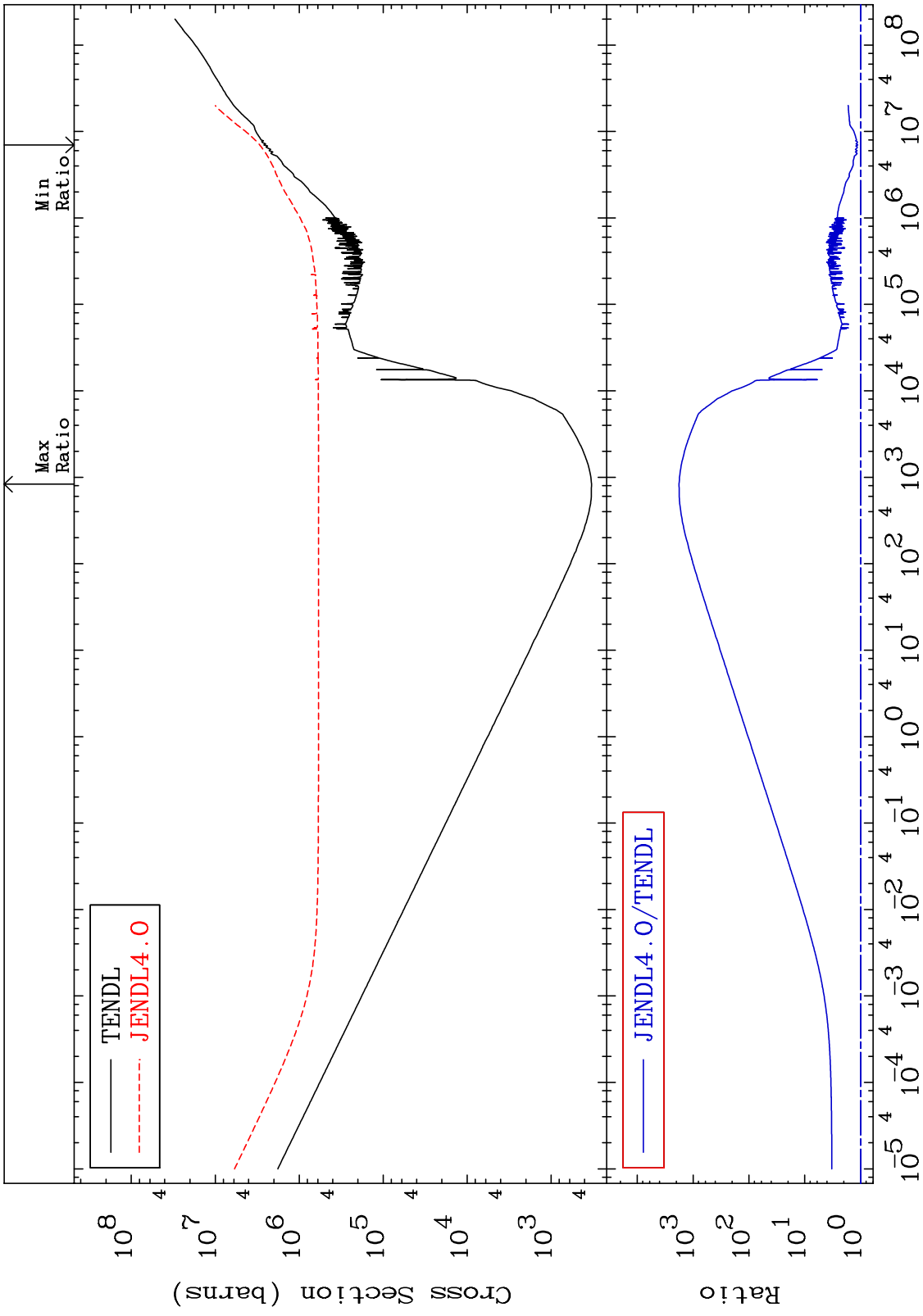
MAT 1628

Total photon (eV-barns)
Cross Section

16-S -33
-100.0 To 2179. %



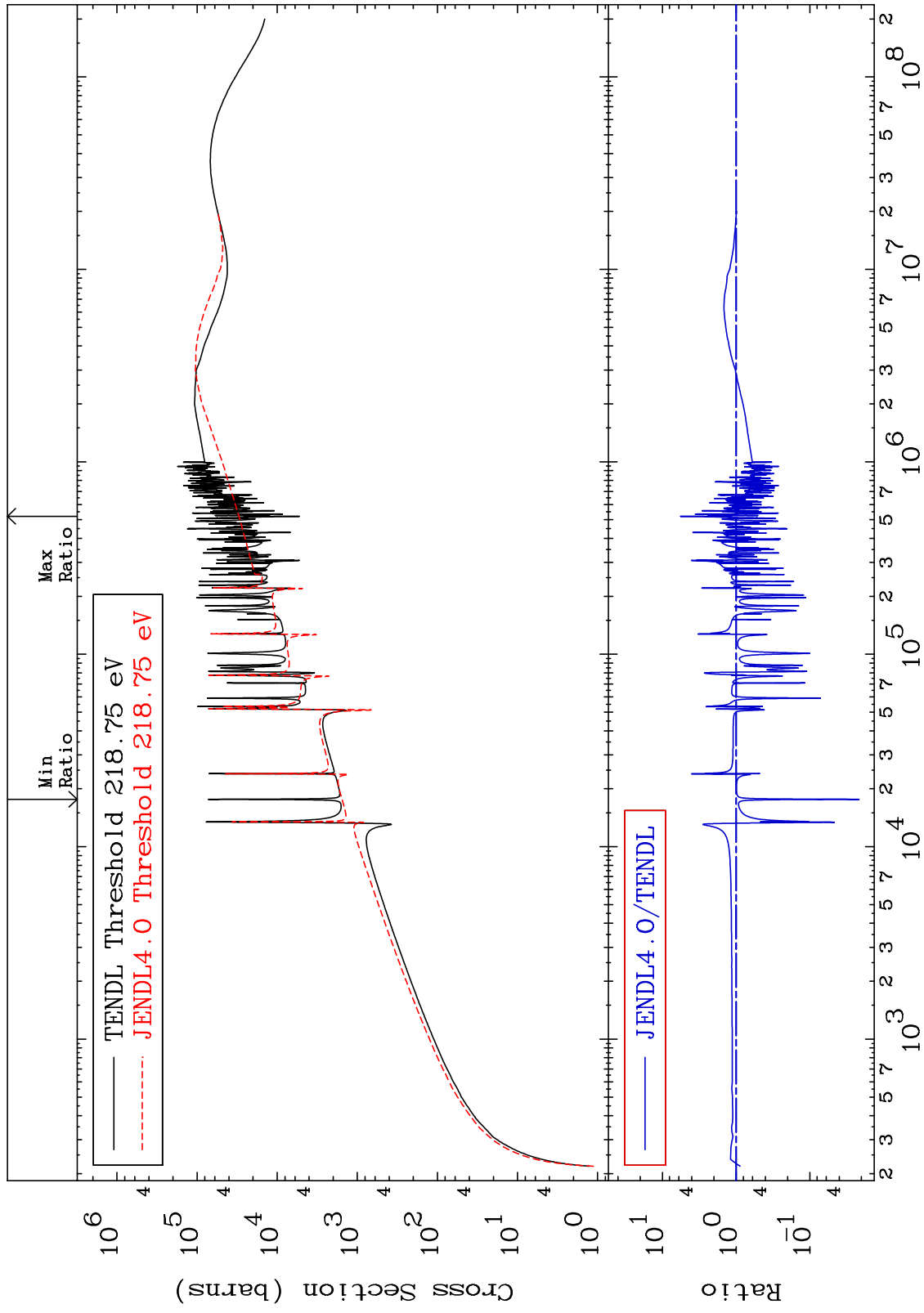
MAT 1628 Total kinematic kerma (high limit) 16-S -33
 Cross Section 12.06 To 9999. %



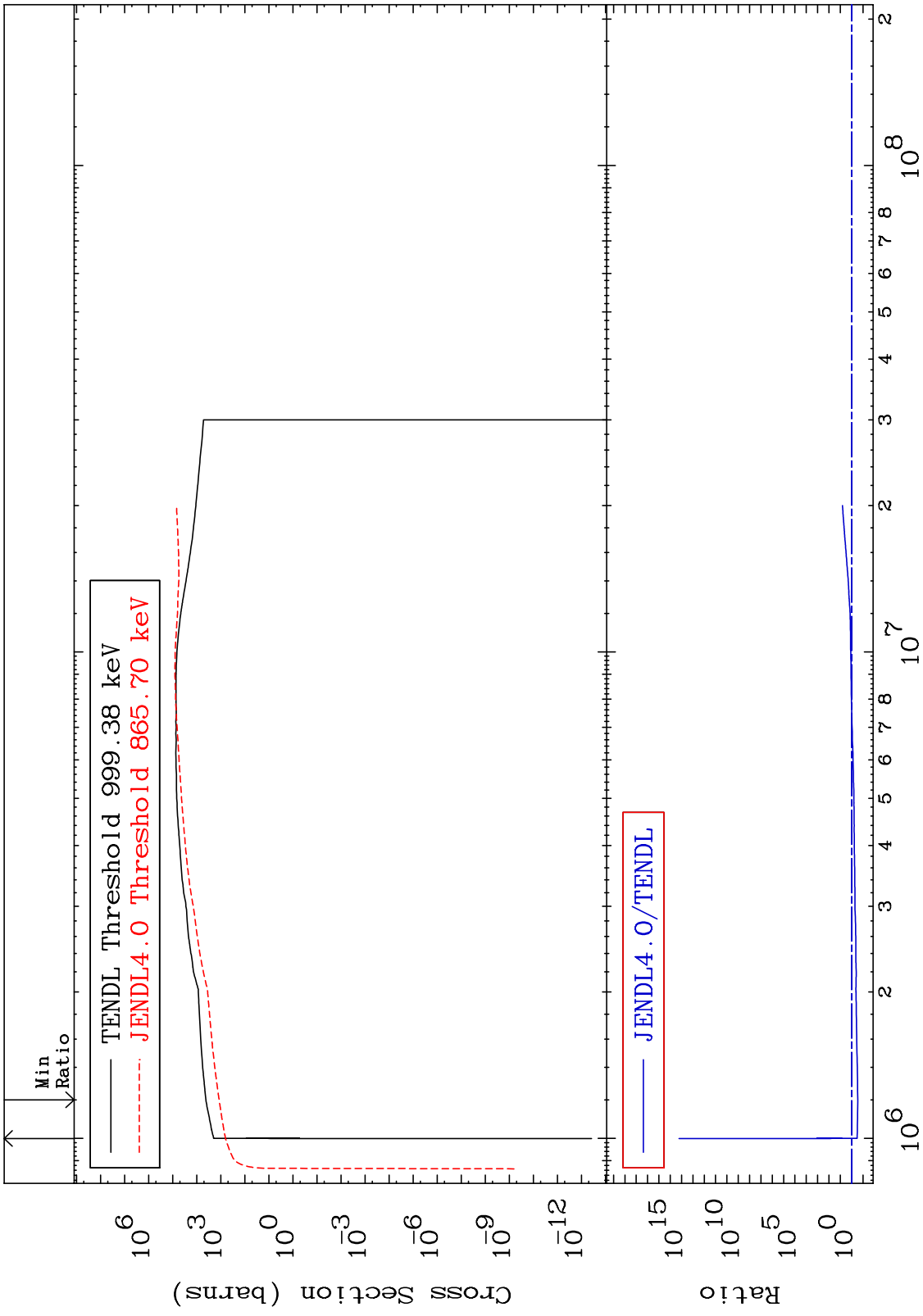
MAT 1628

Dpa elastic (mt2)
Cross Section

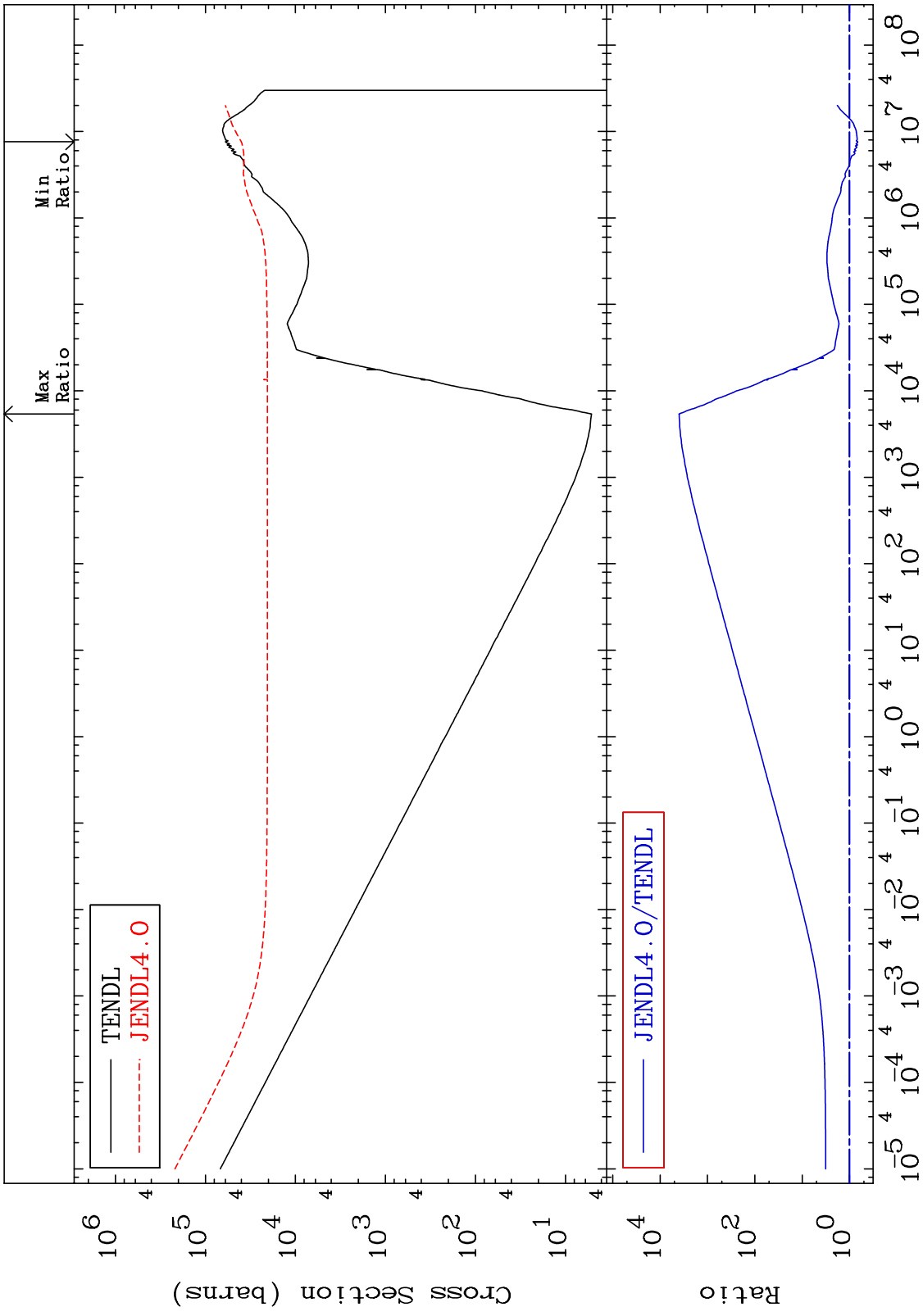
16-S -33
-97.84 To 465.7 %



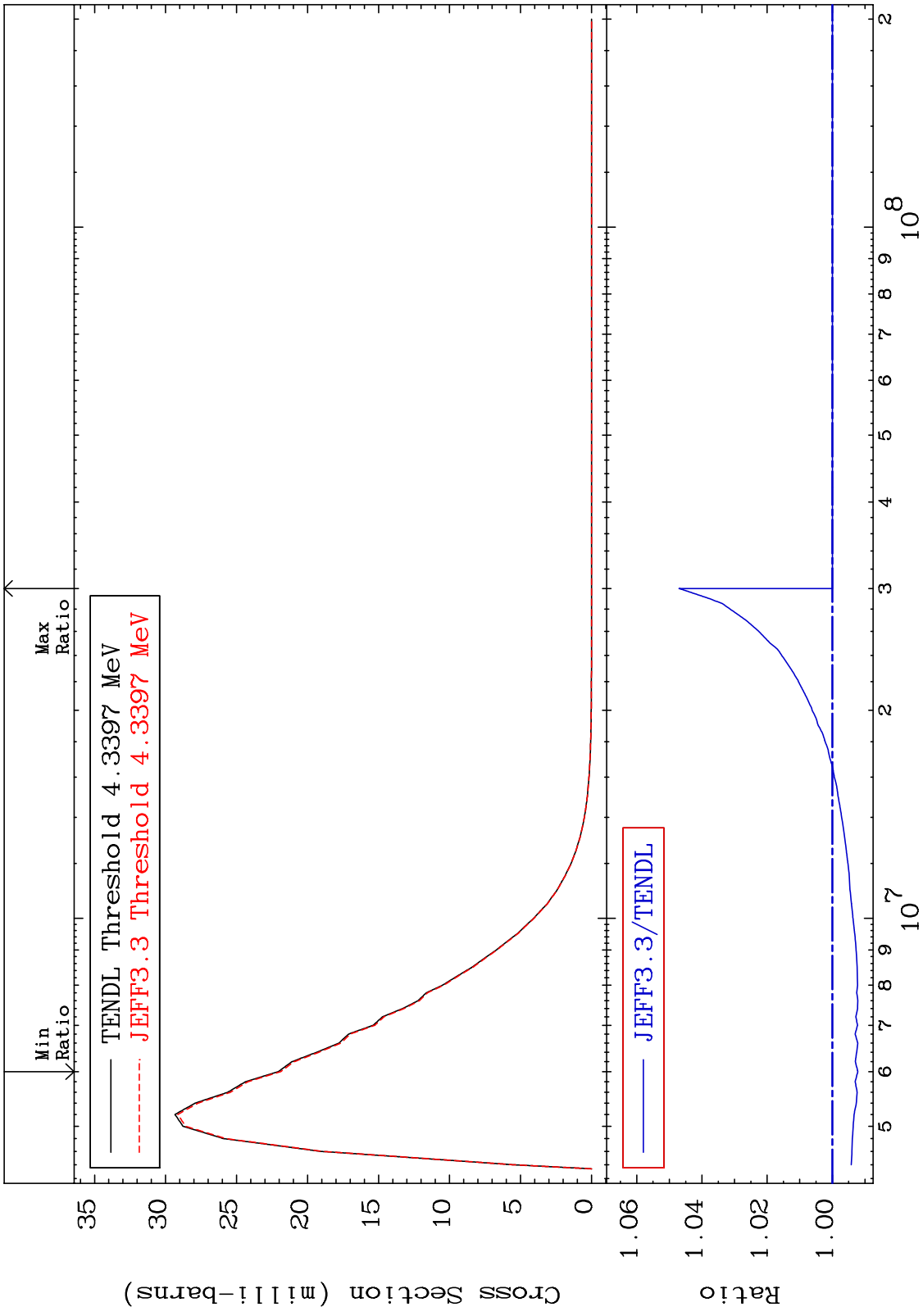
MAT 1628 Dpa inelastic (mt51-91) 16-S -33
 Cross Section -71.84 To 9999. %



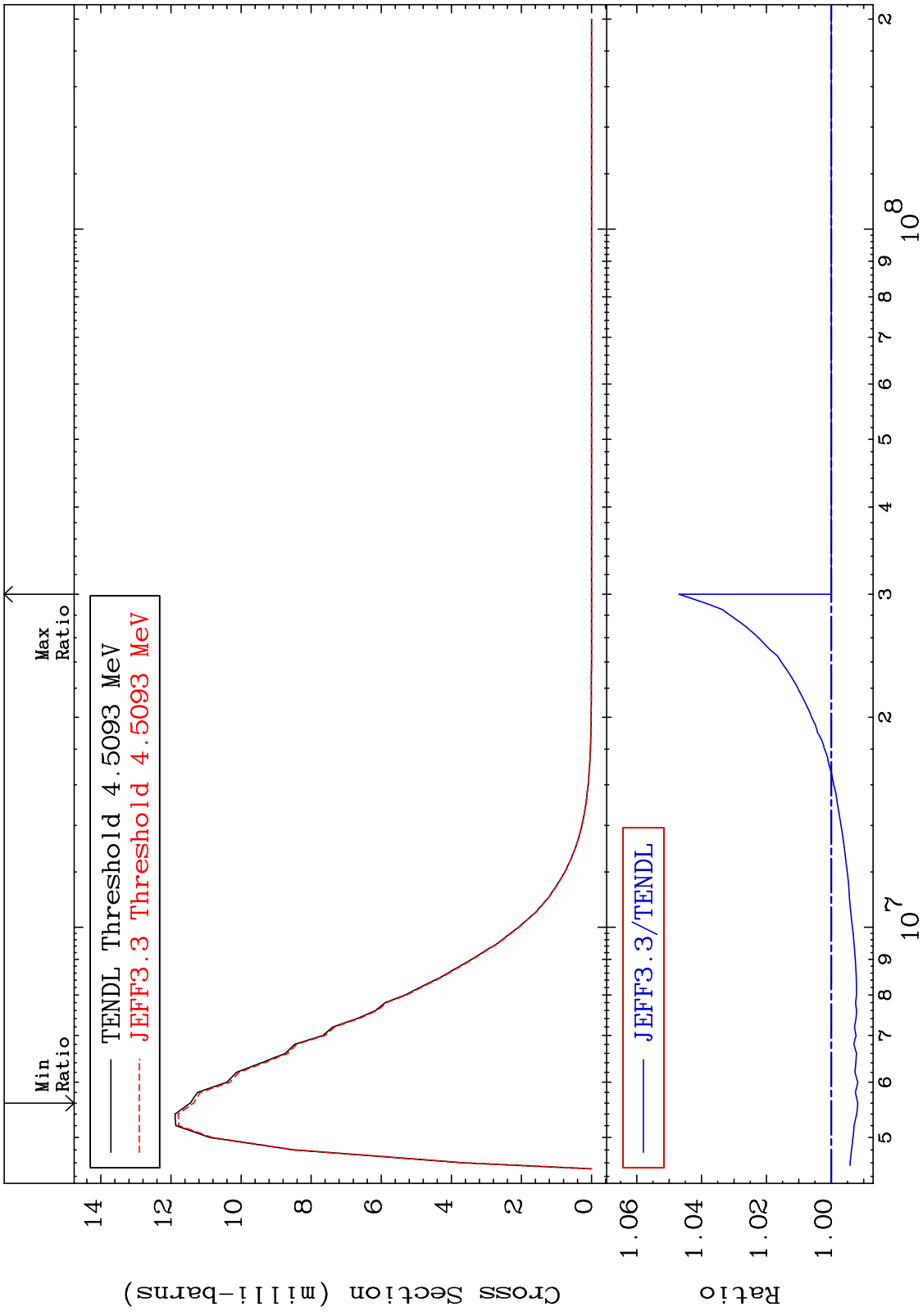
MAT 1628 Dpa disappearance (mt102 -120) 16-S -33
 Cross Section -33.10 To 9999. %



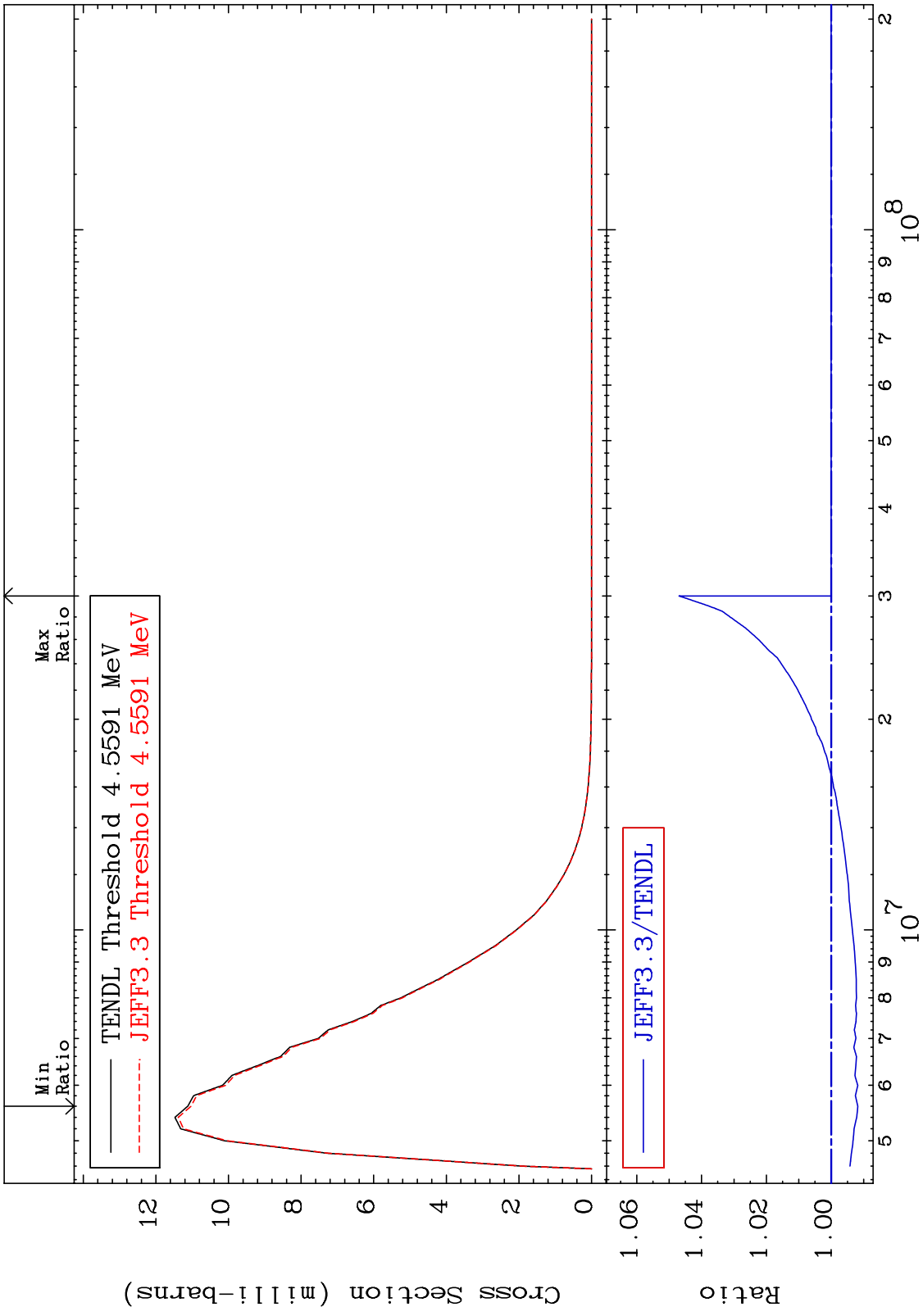
MAT 1628 MT= 66 (n,n') Level Cross Section -0.782 To 4.703 % 16-S -33



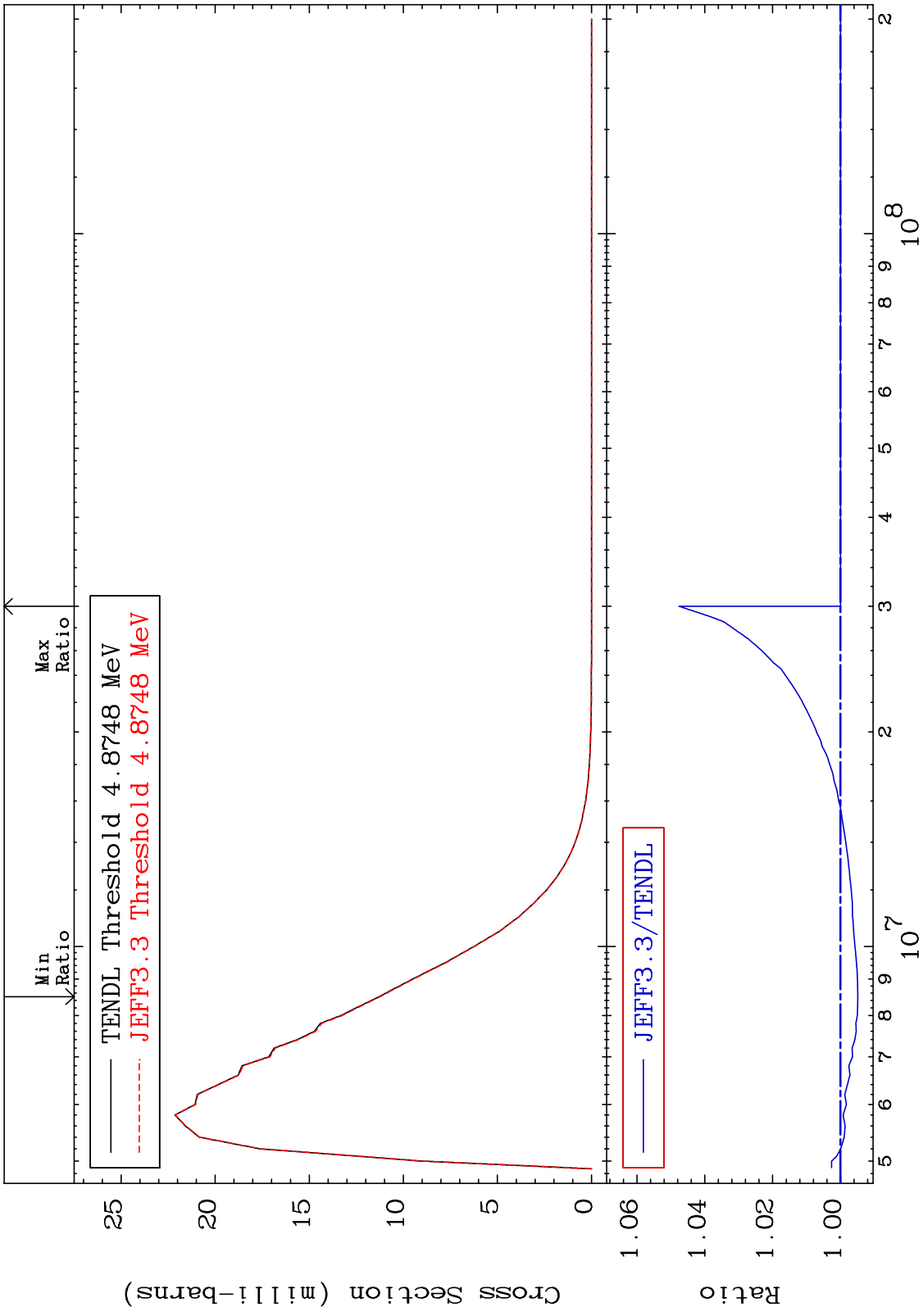
MAT 1628 MT= 67 (n,n') Level Cross Section -0.820 To 4.694 % 16-S -33



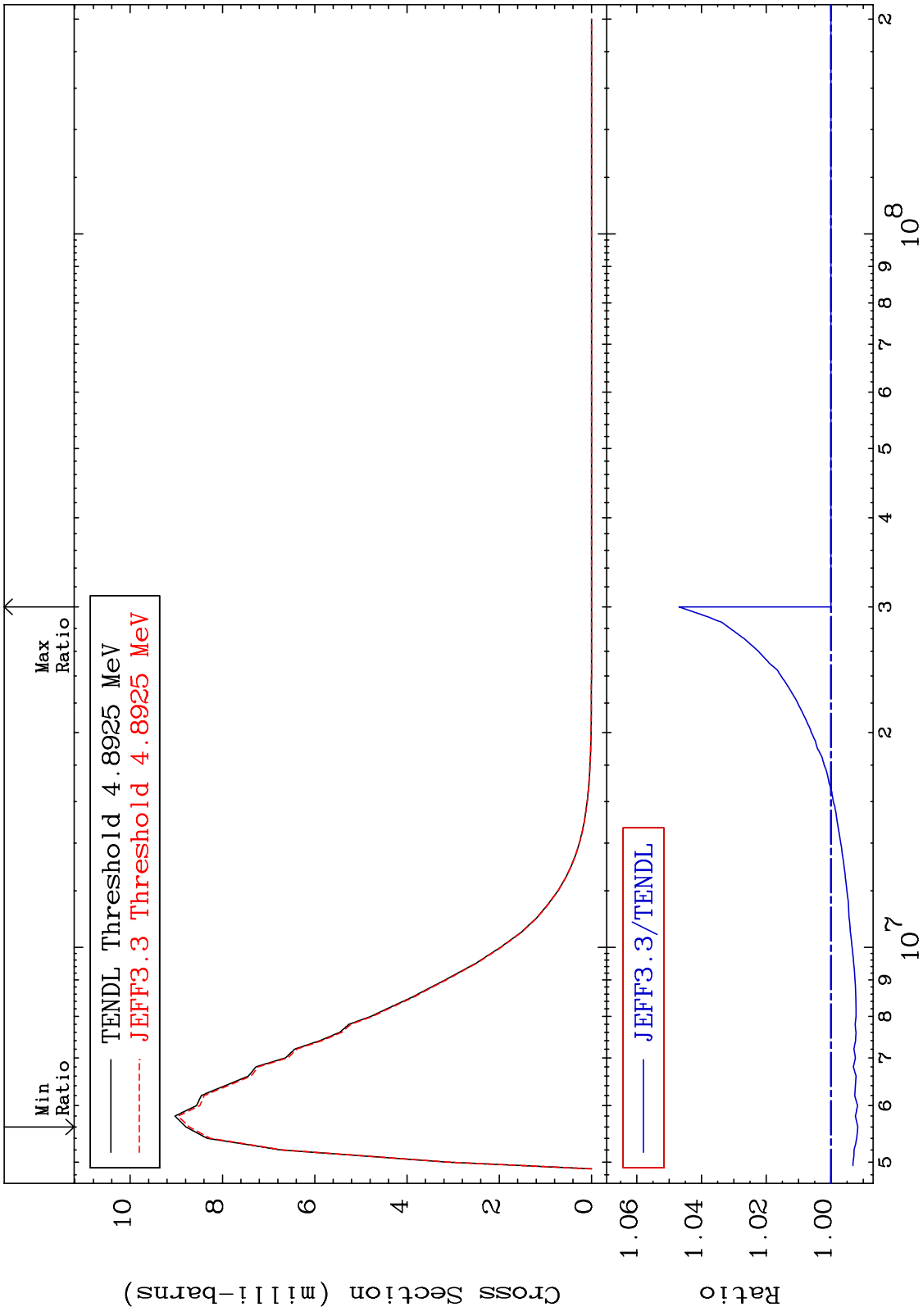
MAT 1628 MT= 68 (n,n') Level Cross Section -0.822 To 4.695 % 16-S -33



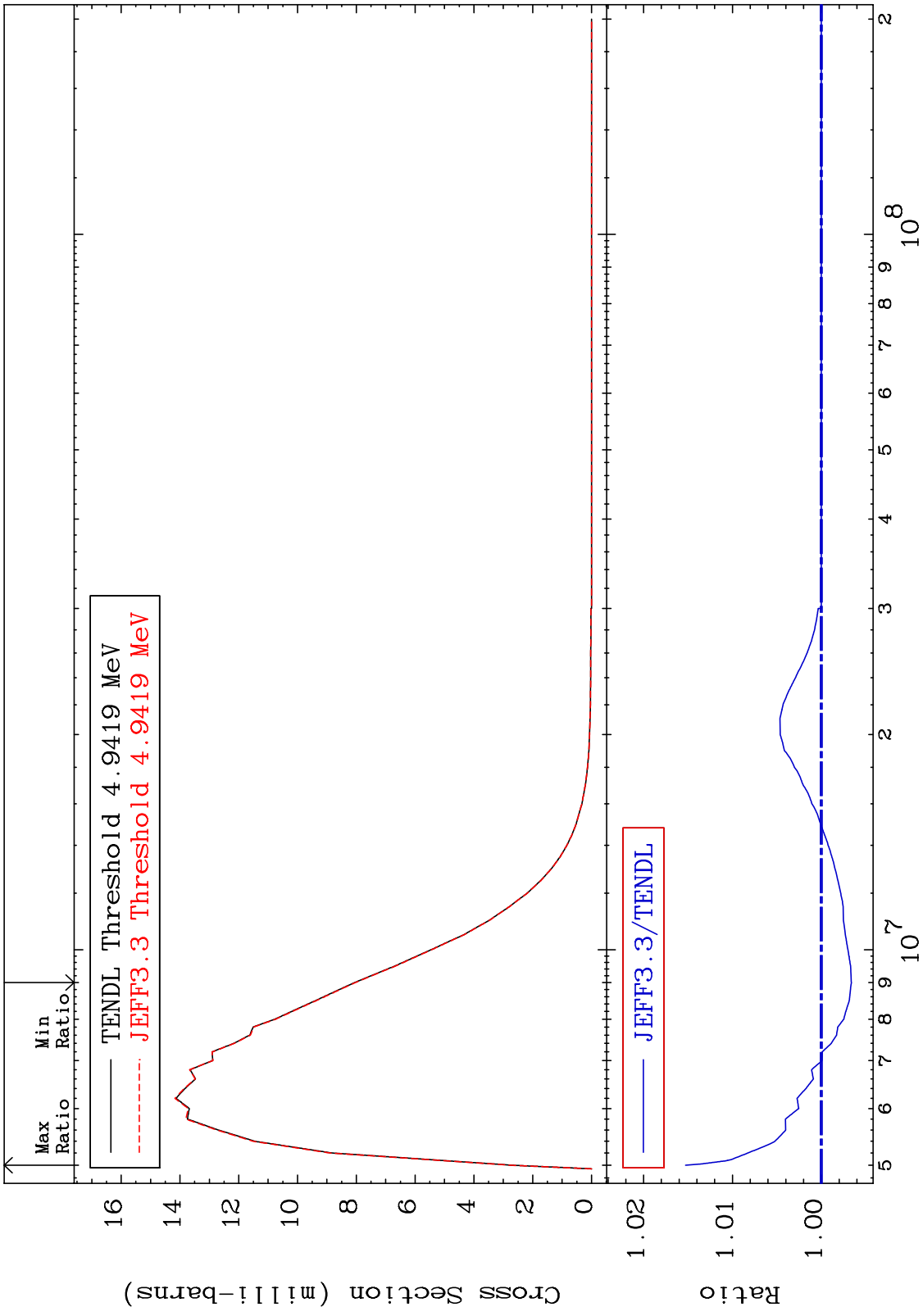
MAT 1628 MT= 69 (n,n') Level Cross Section 16-S -33
 -0.512 To 4.759 %



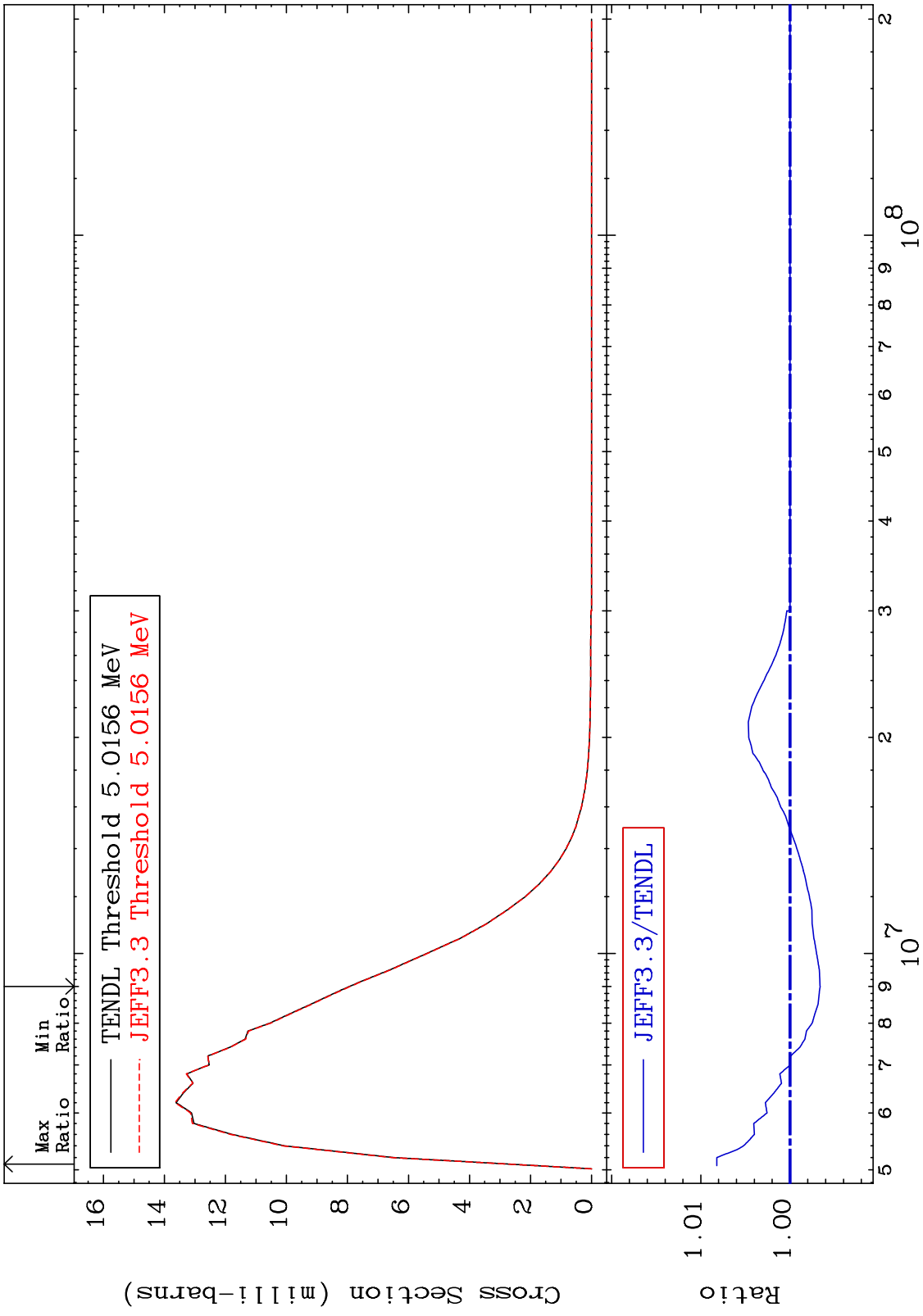
MAT 1628 MT= 70 (n,n') Level Cross Section 16-S -33
 -0.832 To 4.694 %



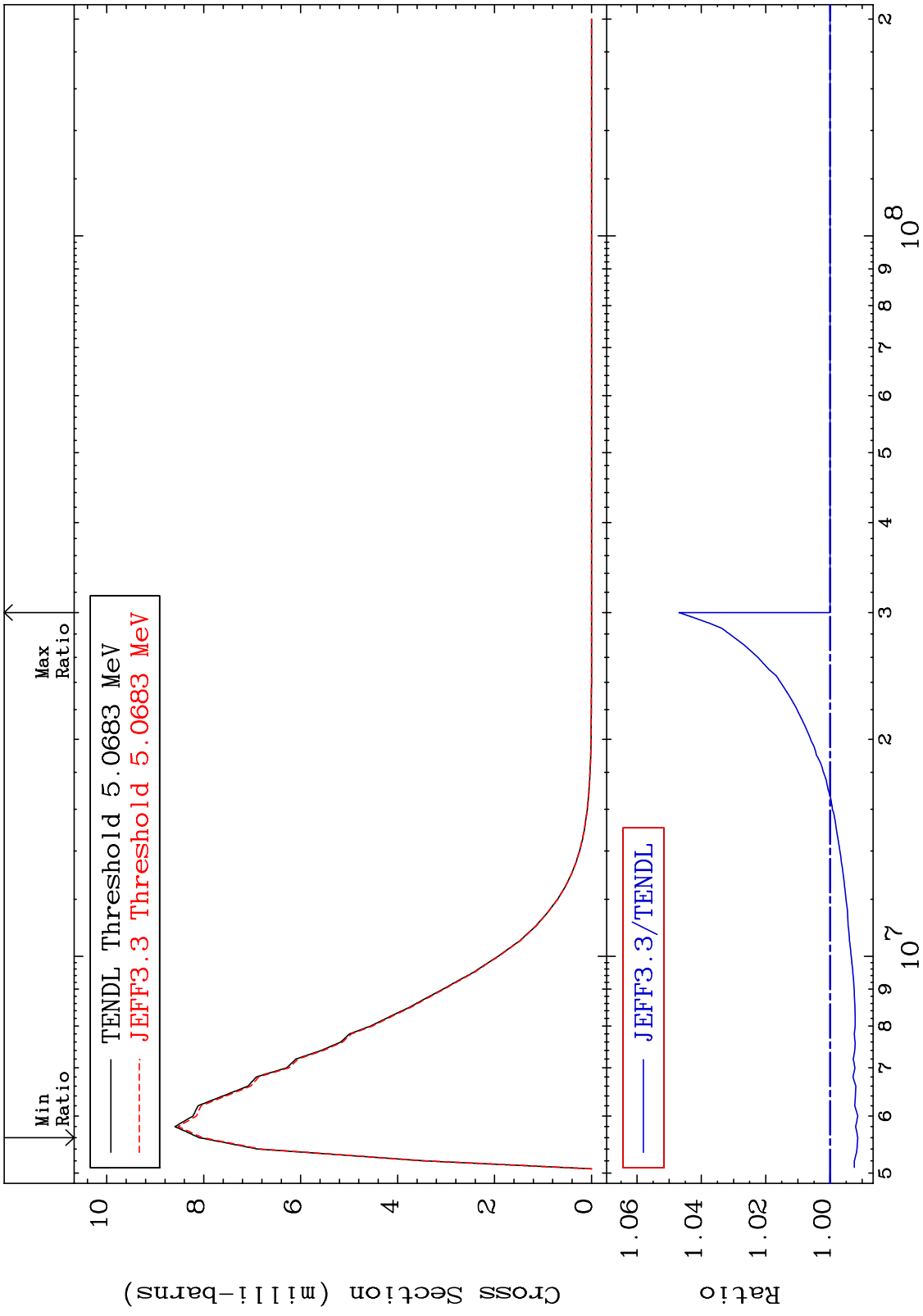
MAT 1628 MT= 71 (n,n') Level Cross Section 16-S -33
 -0.338 To 1.528 %



MAT 1628 MT= 72 (n,n') Level Cross Section 16-S -33
 -0.338 To 0.821 %



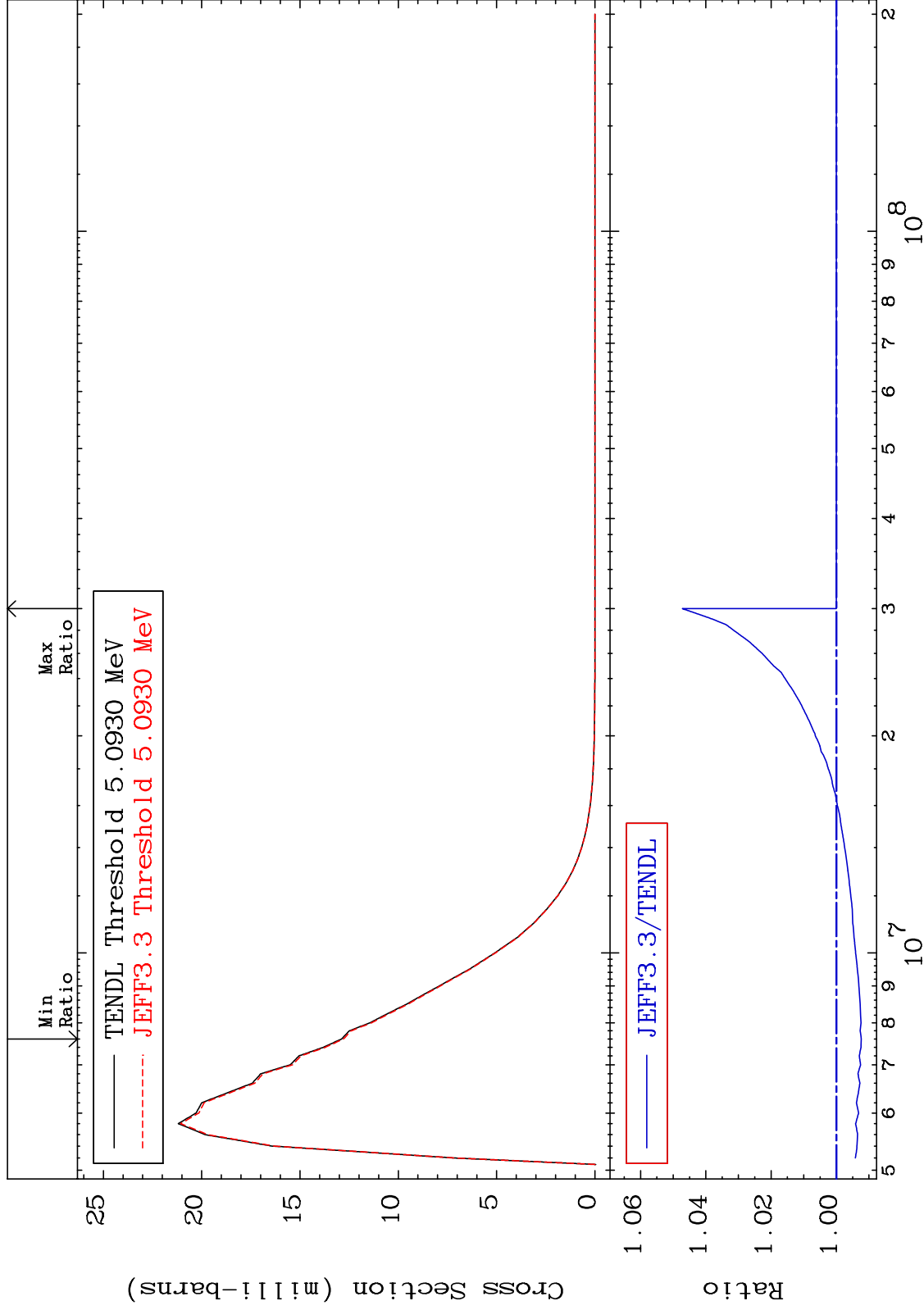
MAT 1628 MT= 73 (n,n') Level Cross Section 16-S -33
 -0.864 To 4.694 %



MAT 1628

MT= 74 (n,n') Level
Cross Section

16-S -33
-0.765 To 4.716 %

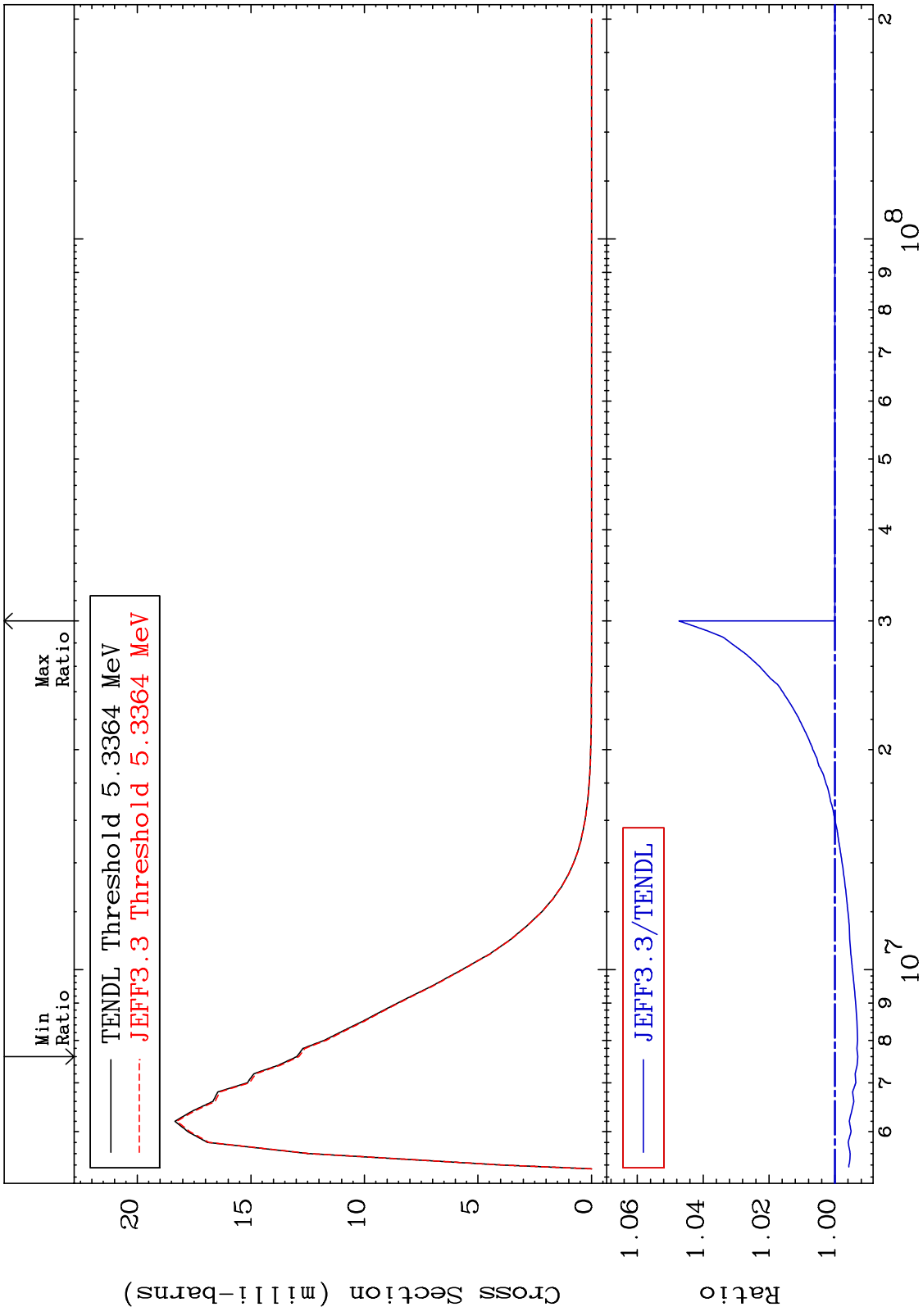


40

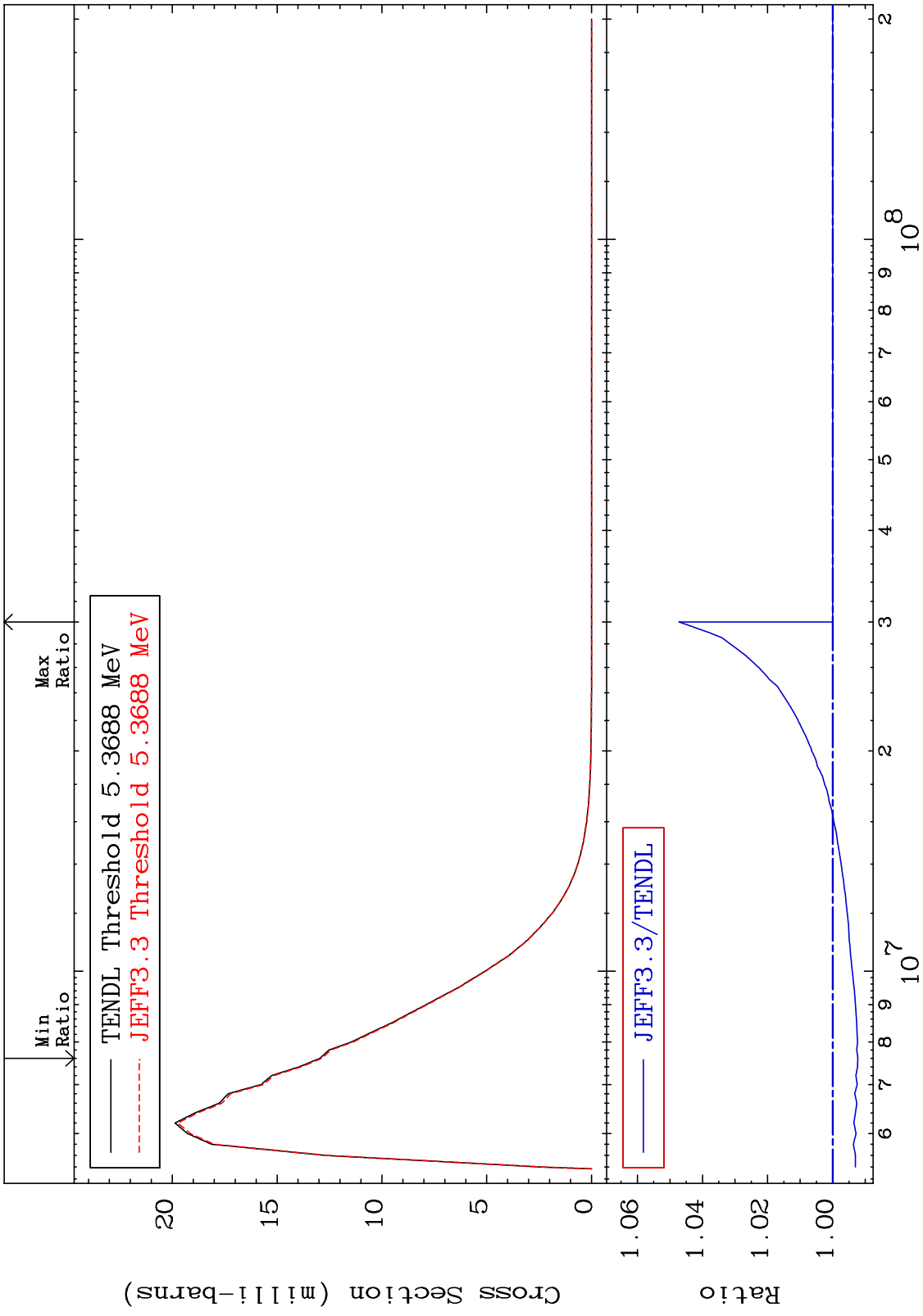
Incident Energy (eV)

16-S -33

MAT 1628 MT= 75 (n,n') Level Cross Section 16-S -33
 -0.698 To 4.733 %



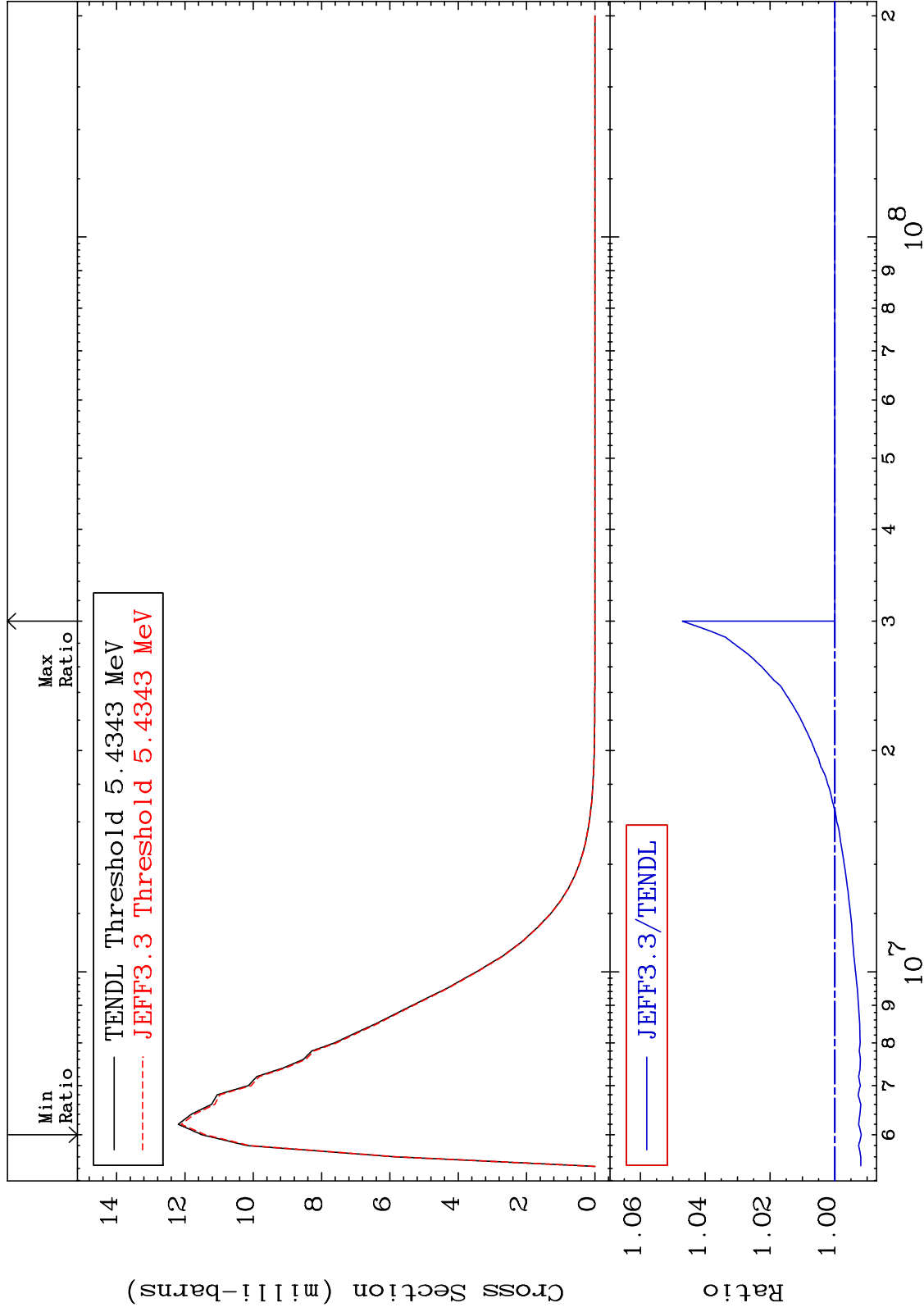
MAT 1628 MT= 76 (n,n') Level Cross Section -0.770 To 4.720 % 16-S -33



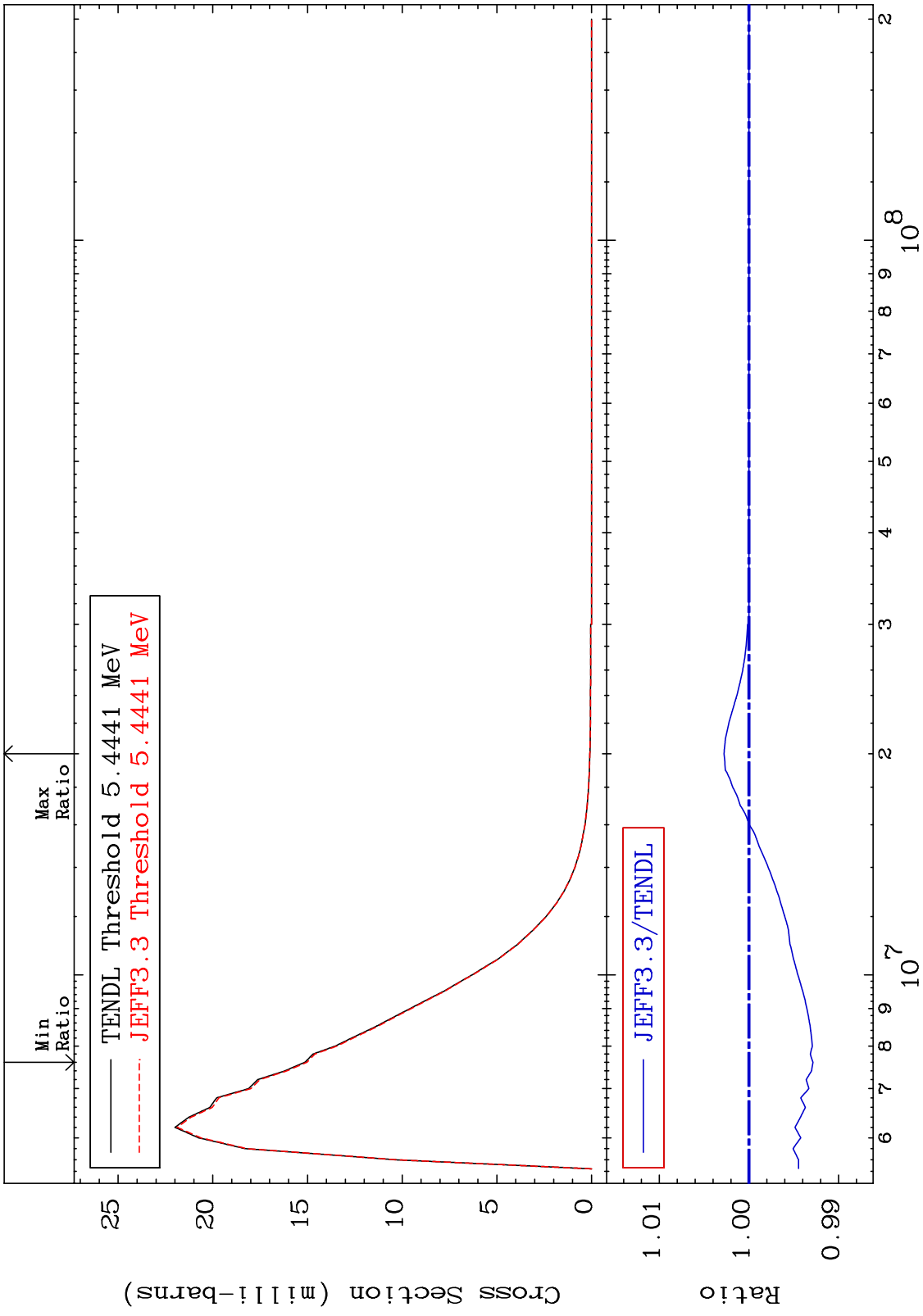
MAT 1628

MT= 77 (n,n') Level
Cross Section

16-S -33
-0.818 To 4.701 %



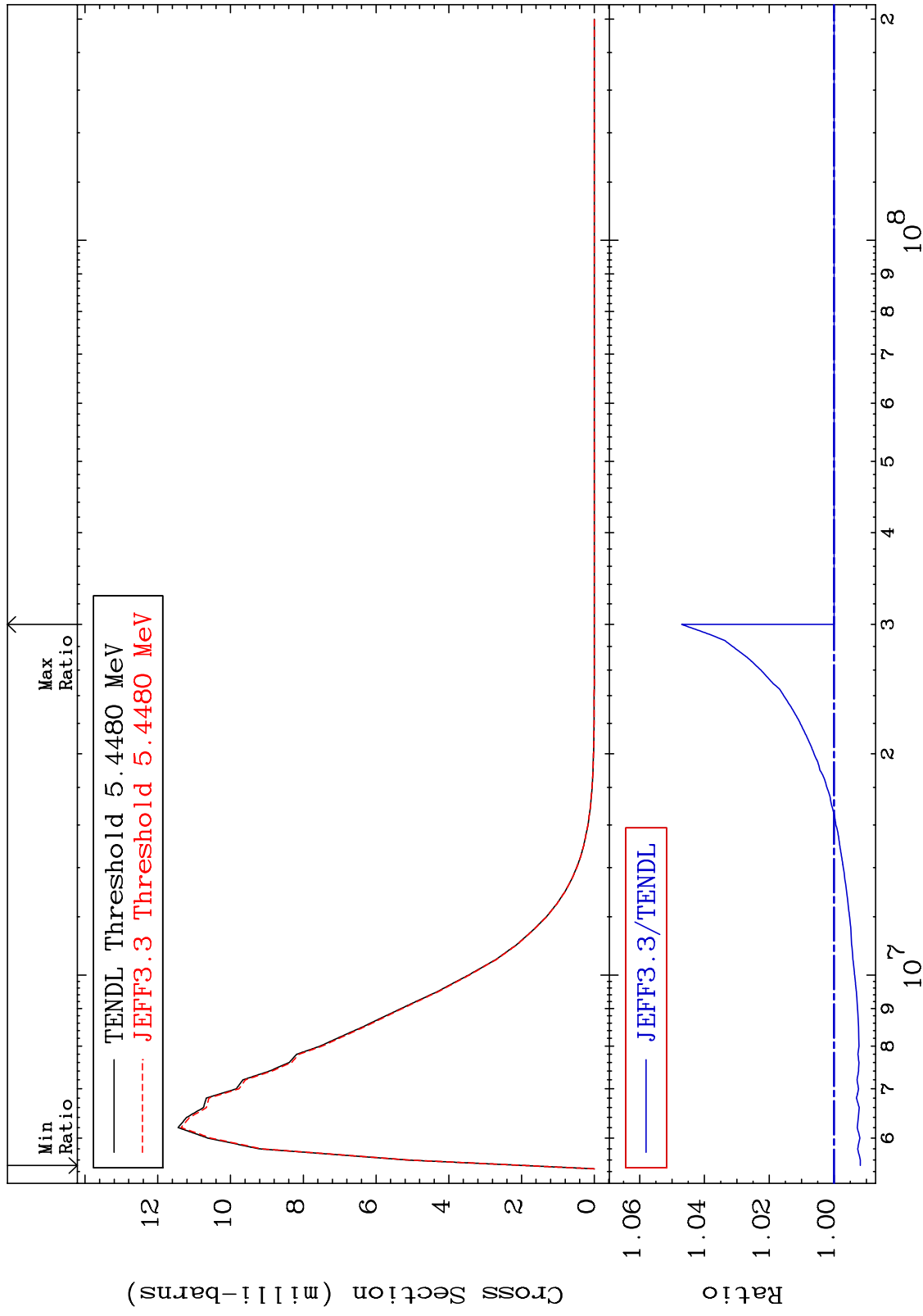
MAT 1628 MT= 78 (n,n') Level Cross Section 16-S -33
 -0.713 To 0.279 %



MAT 1628

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

16-S -33
-0.814 To 4.703 %



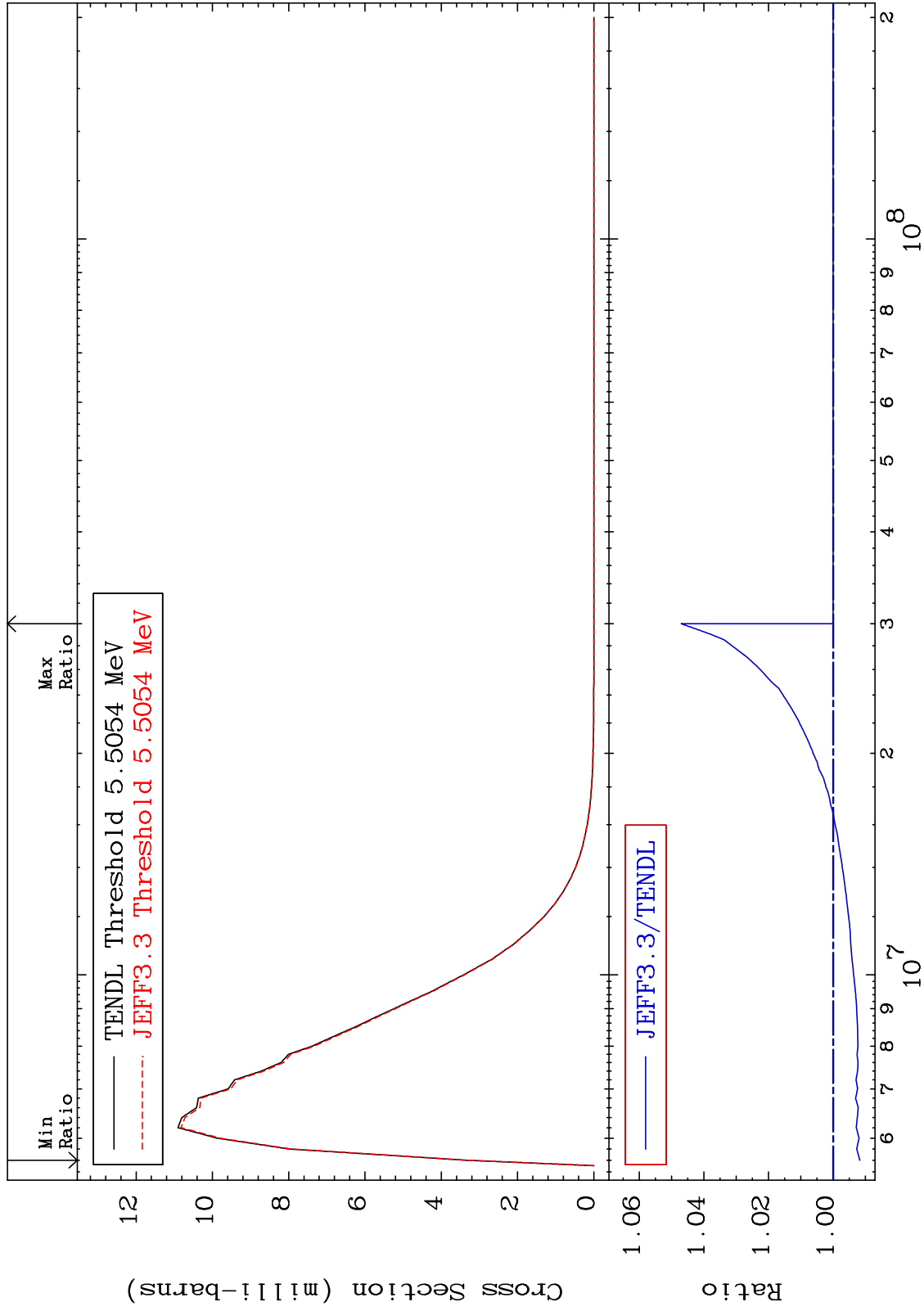
45

16-S -33

MAT 1628

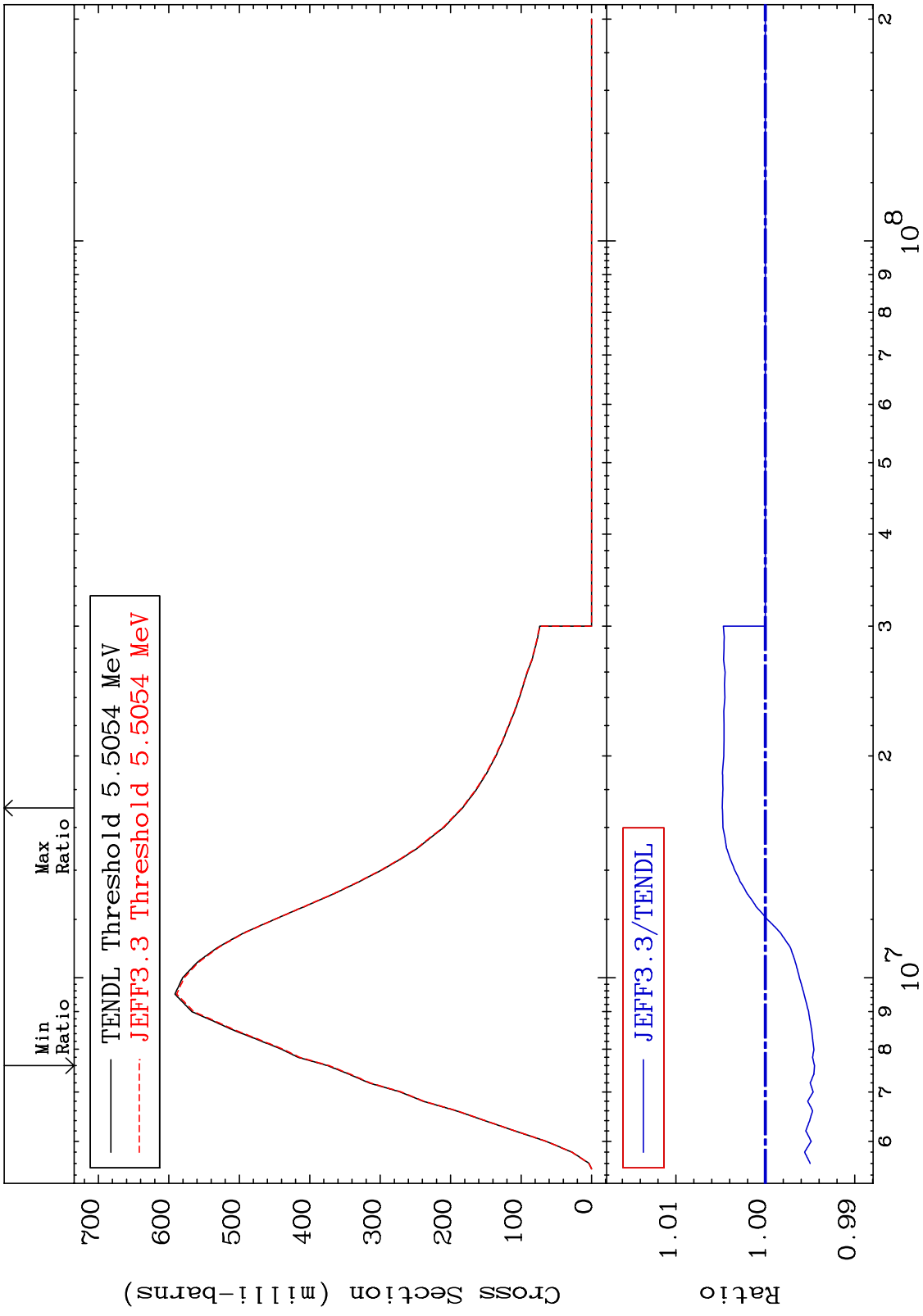
MT= 80 (n,n') Level
Cross Section

16-S -33
-0.826 To 4.703 %



46

16-S -33



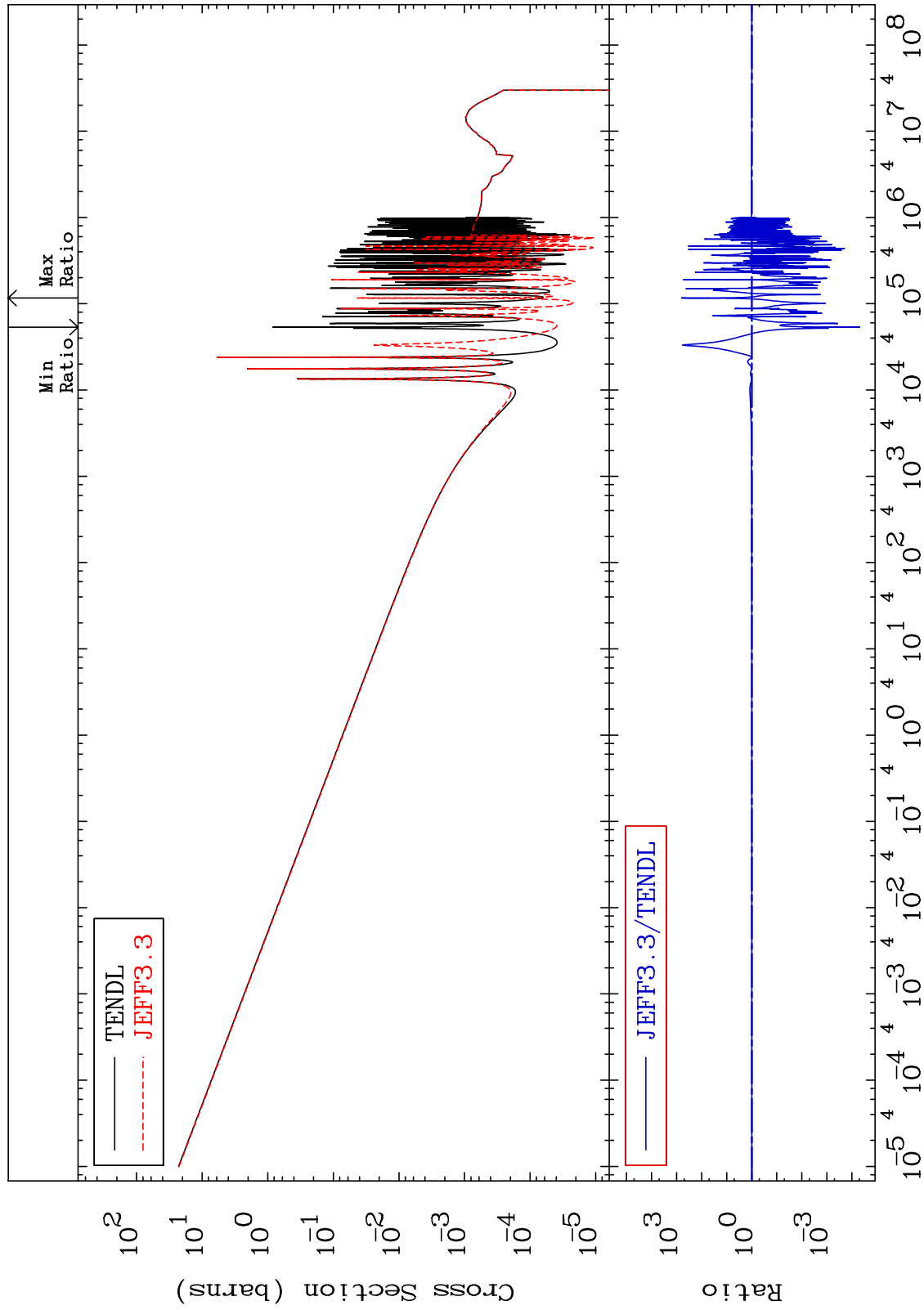
MAT 1628

(n, γ)

16-S -33

Cross Section

-100.0 To 9999. %



48

Incident Energy (eV)

16-S -33

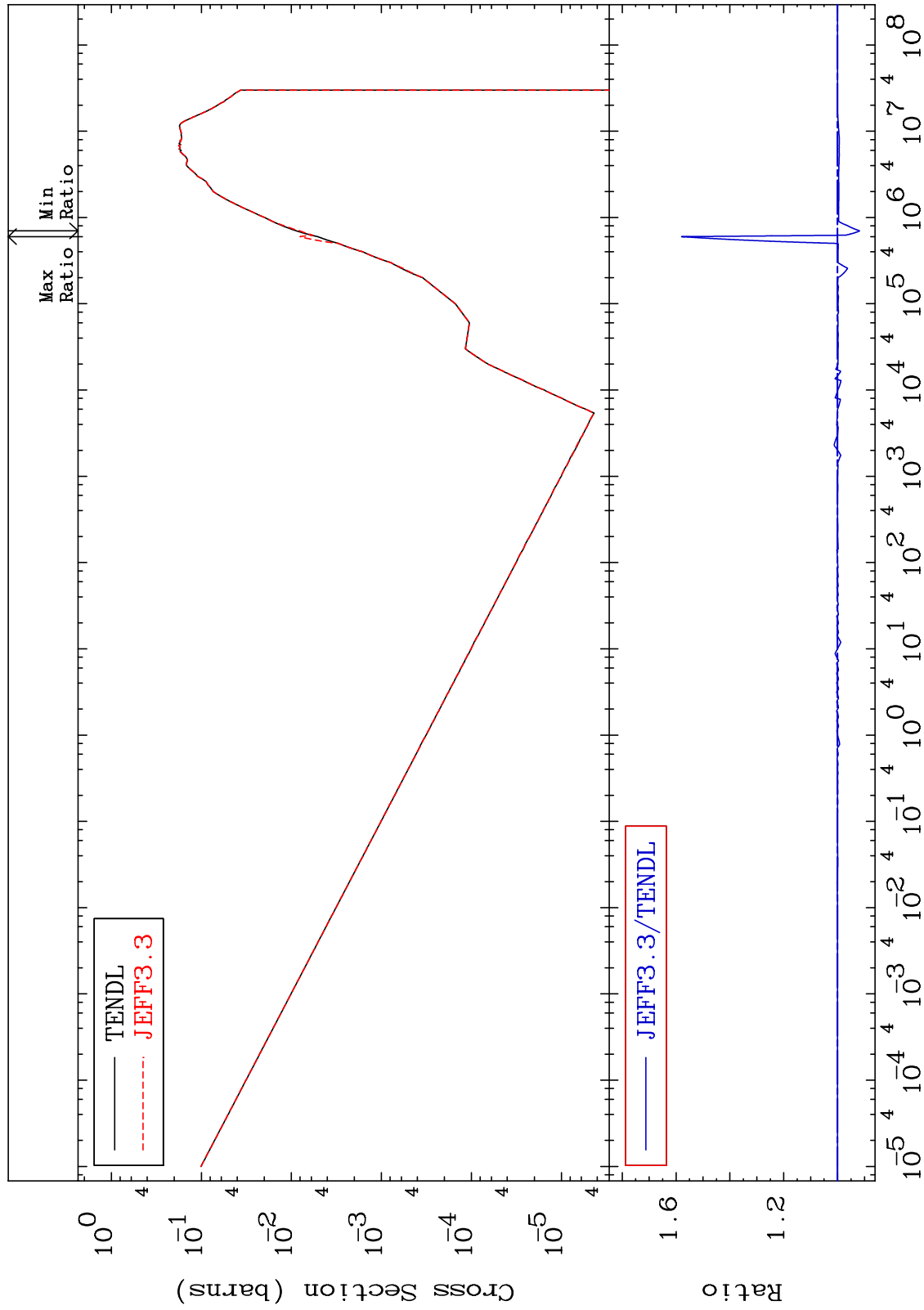
MAT 1628

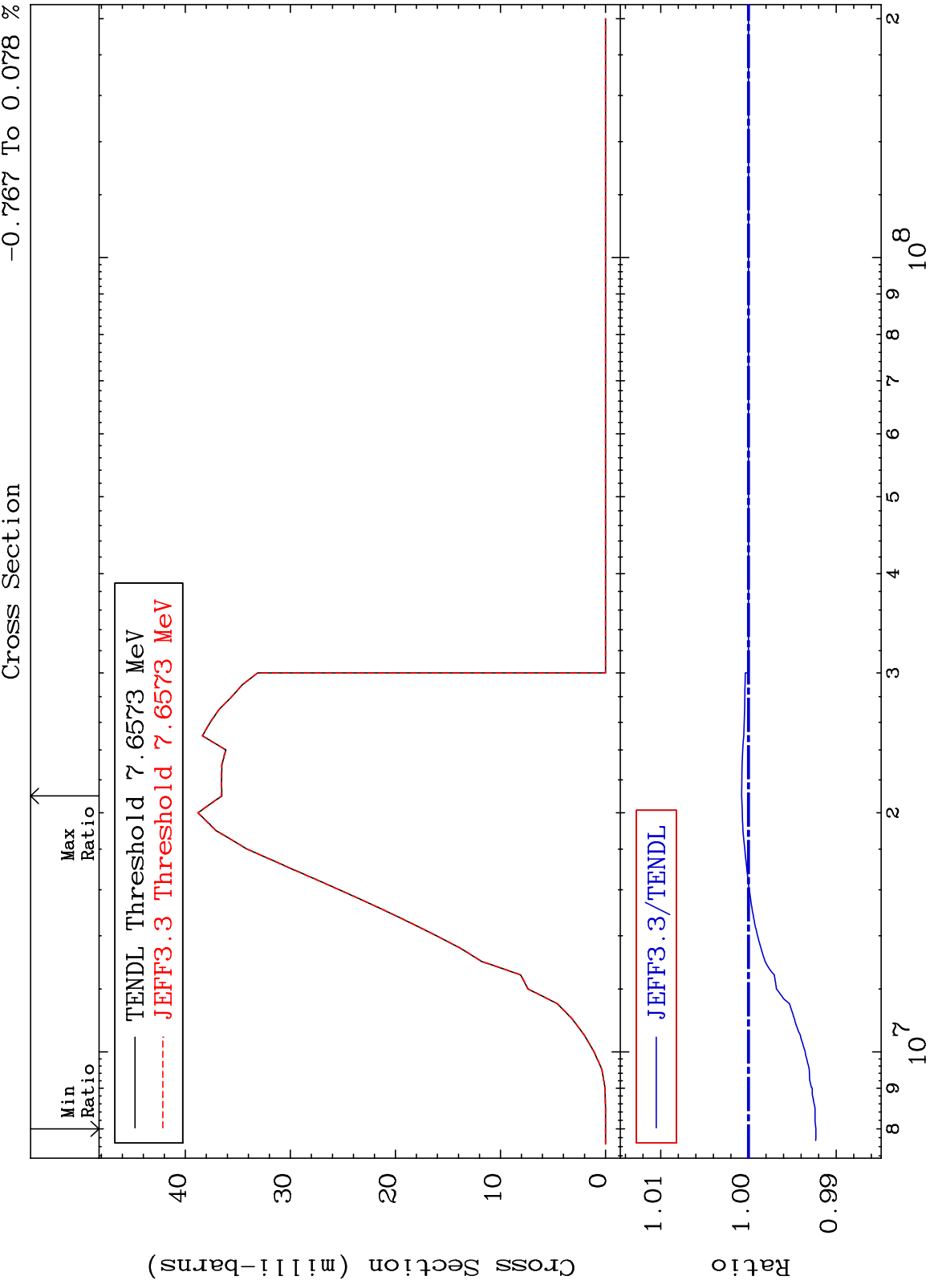
(n,p)

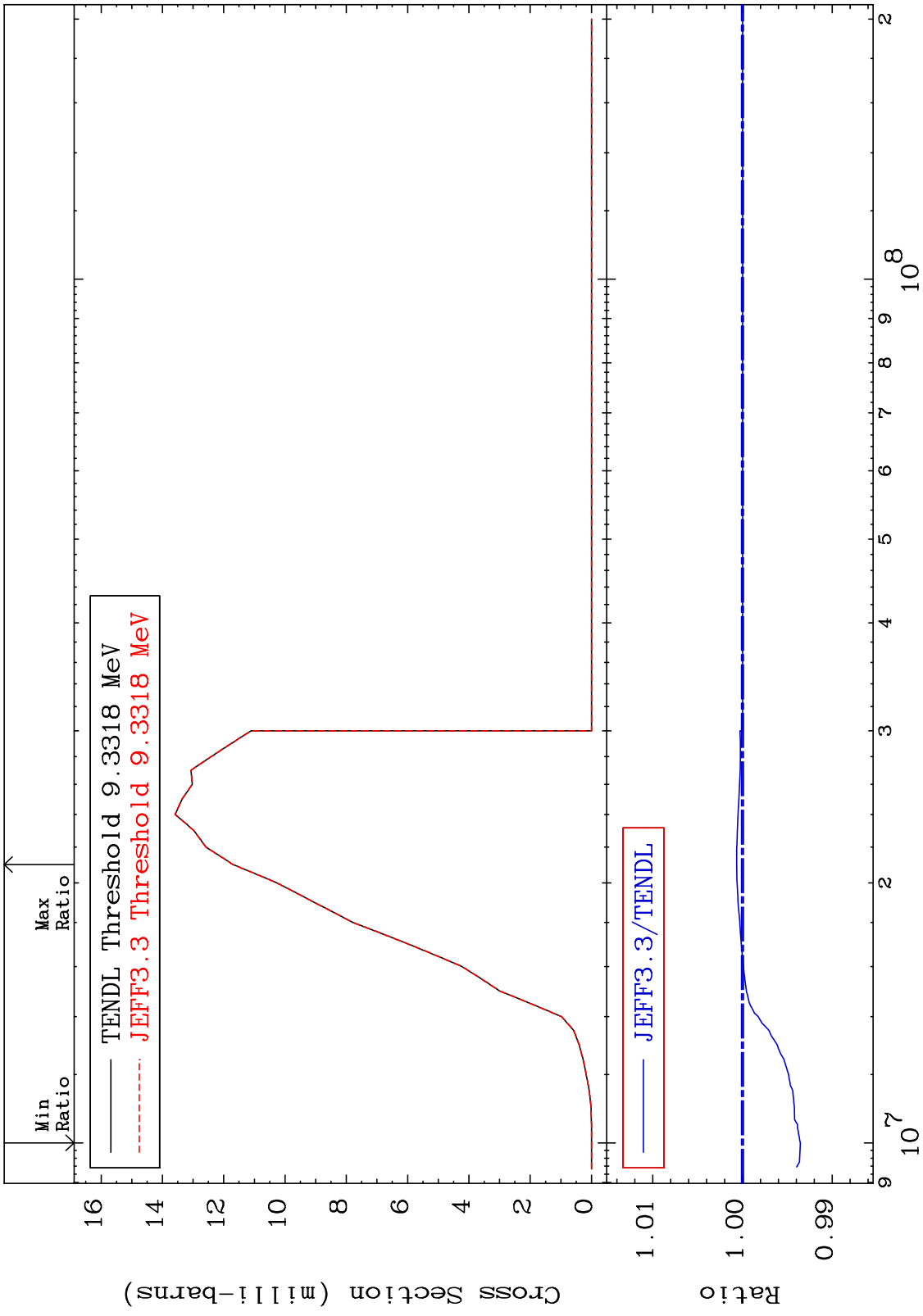
Cross Section

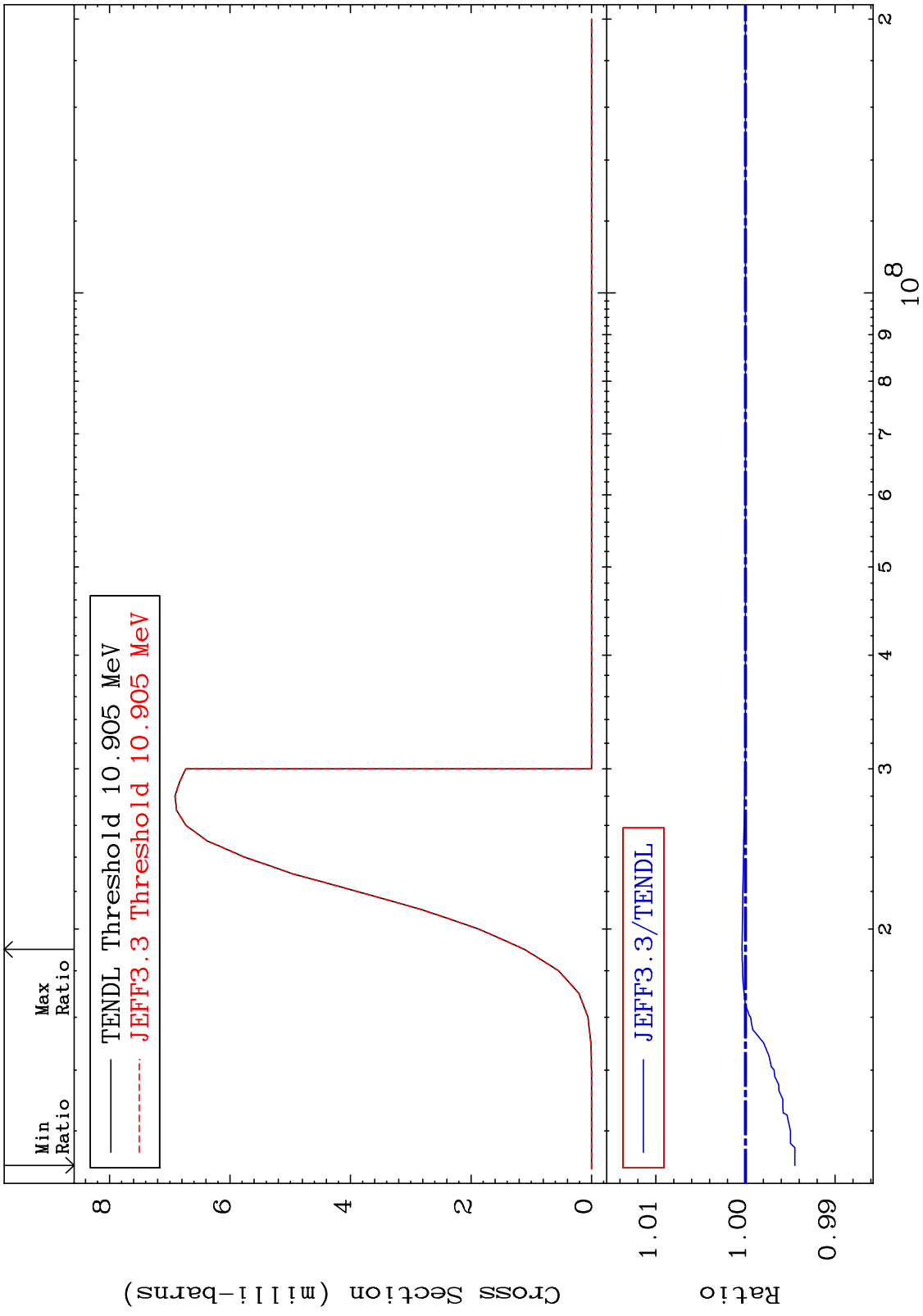
16-S -33

-8.264 To 57.99 %

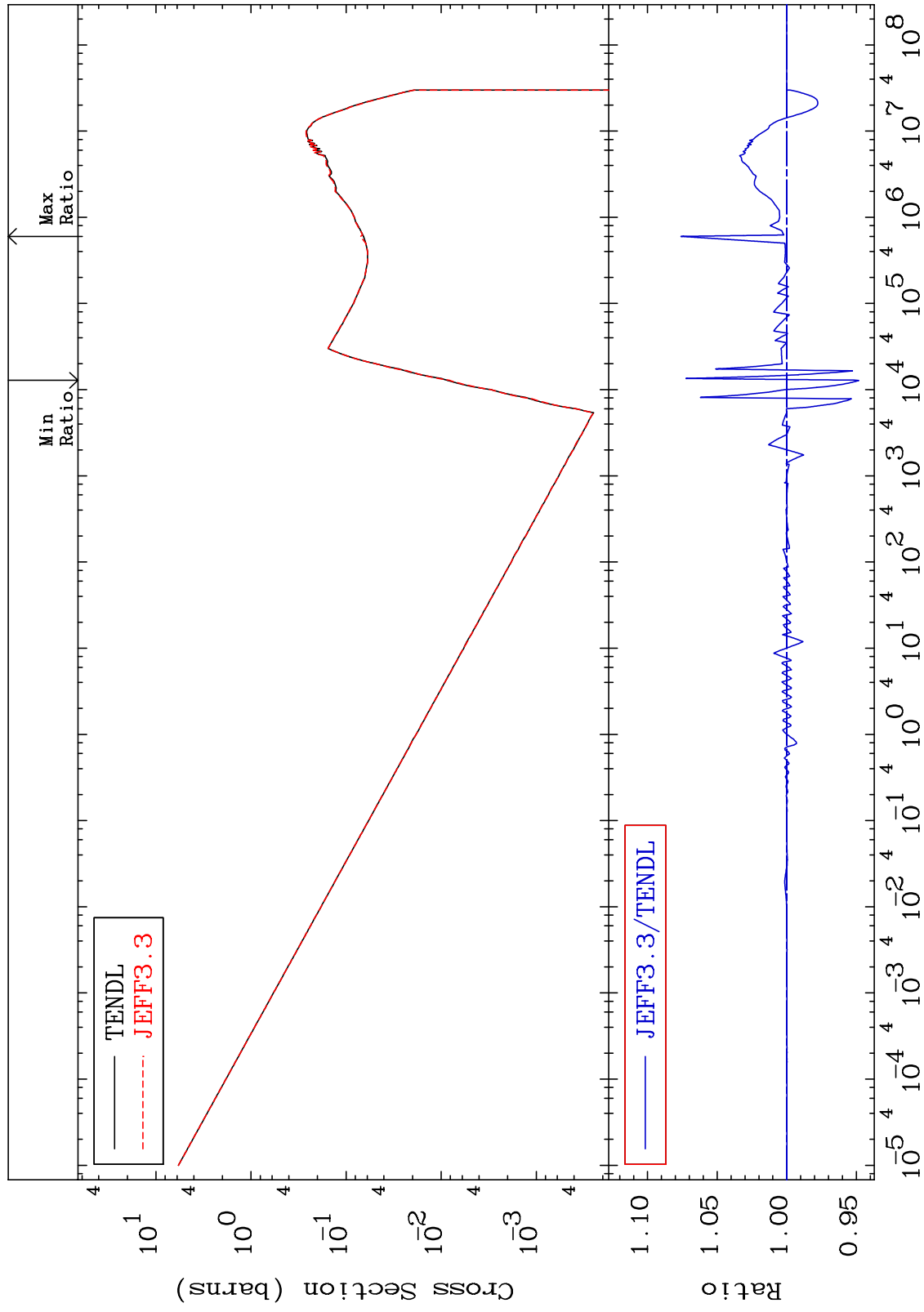




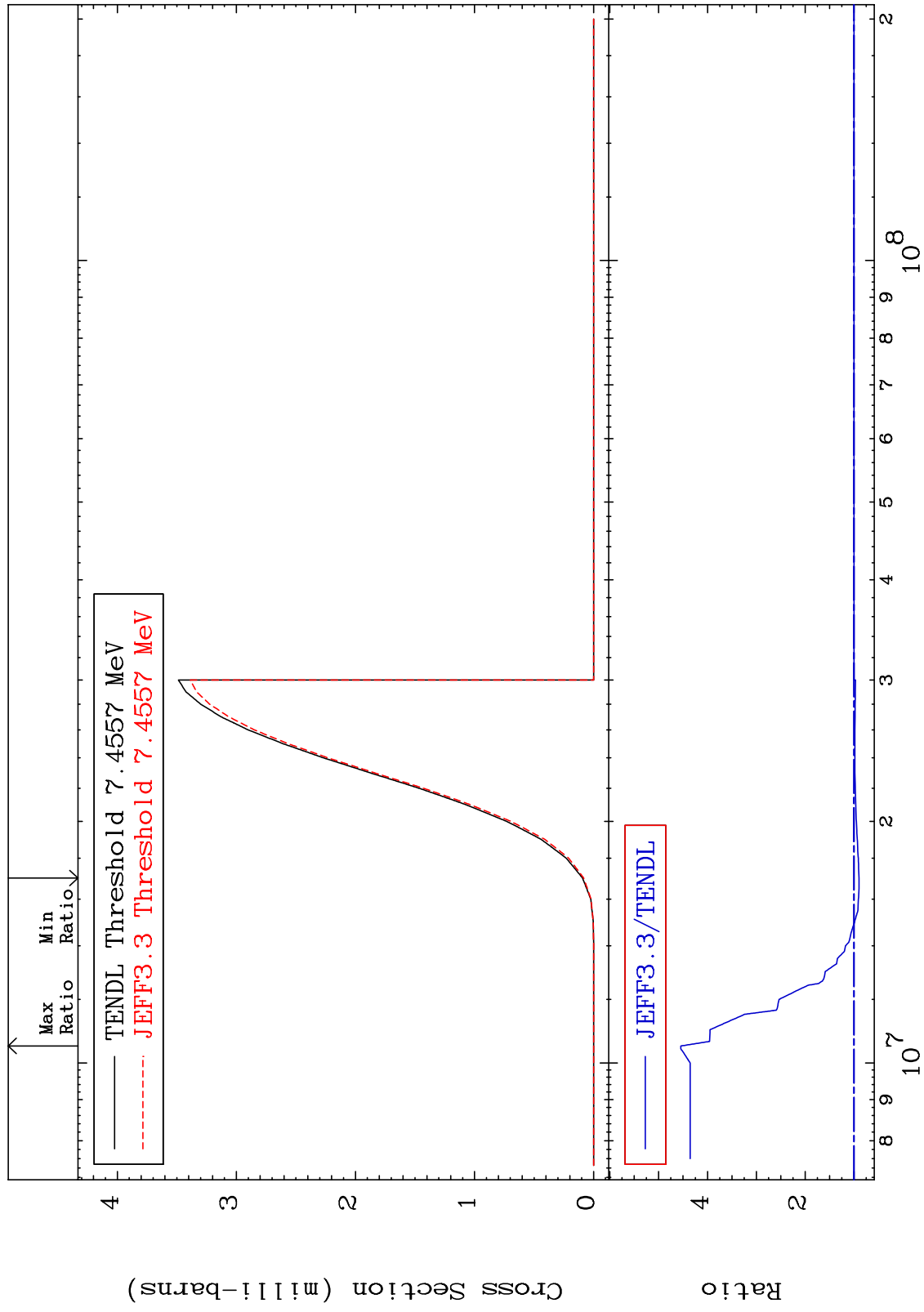


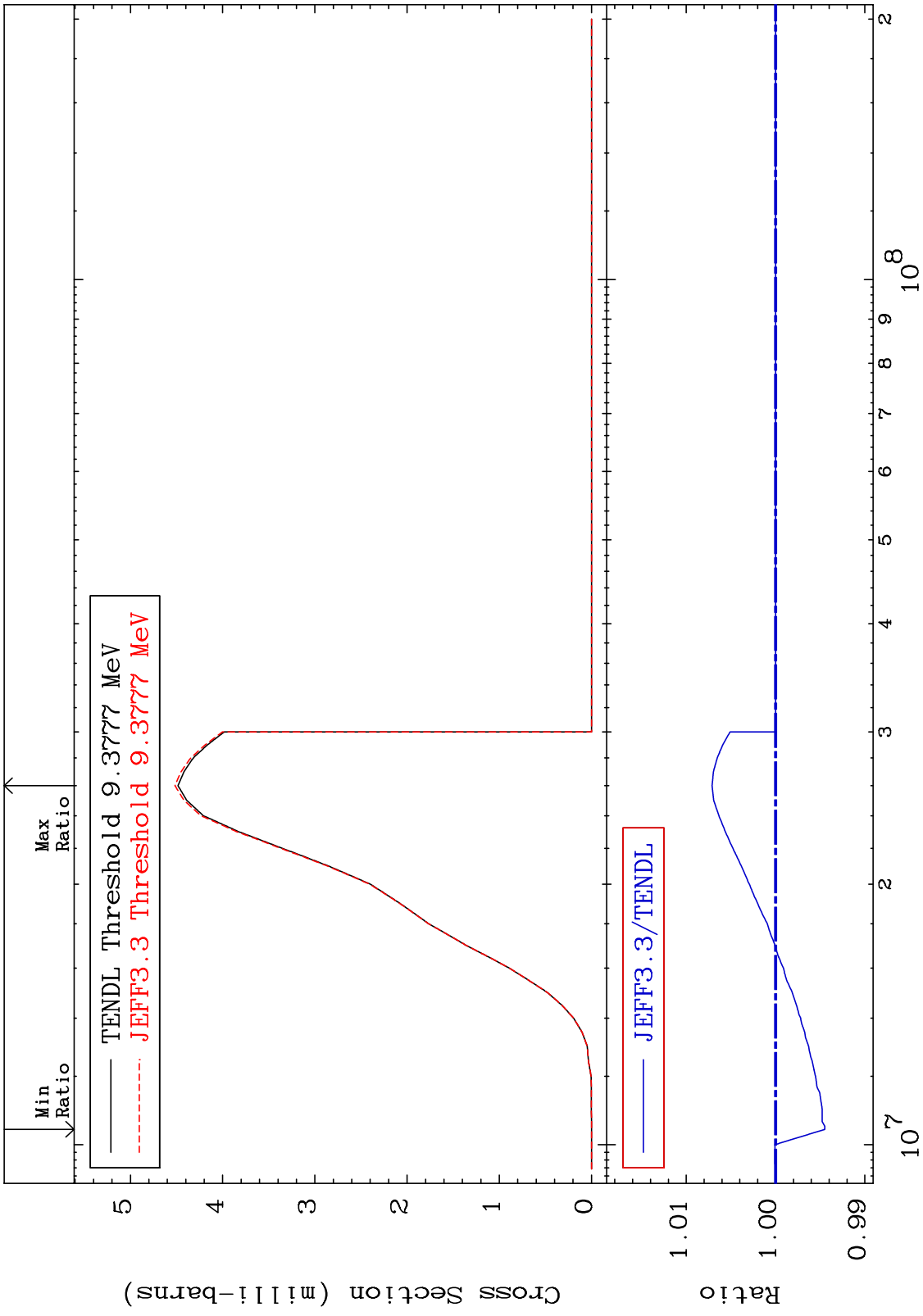


MAT 1628 (n,α) Cross Section 16-S -33
-5.197 To 7.607 %

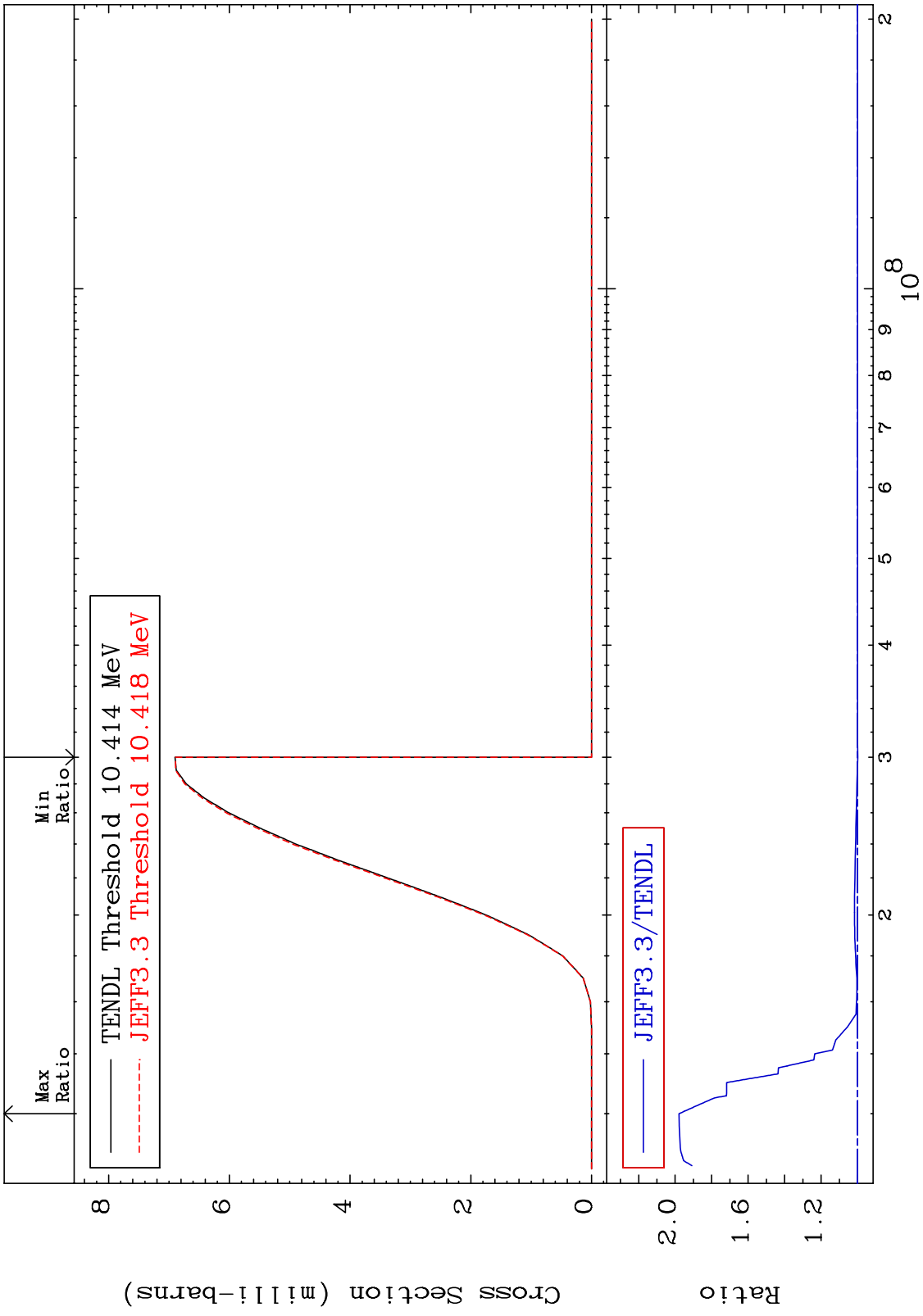


MAT 1628 (n,2α) 16-S -33
Cross Section -10.30 To 354.5 %

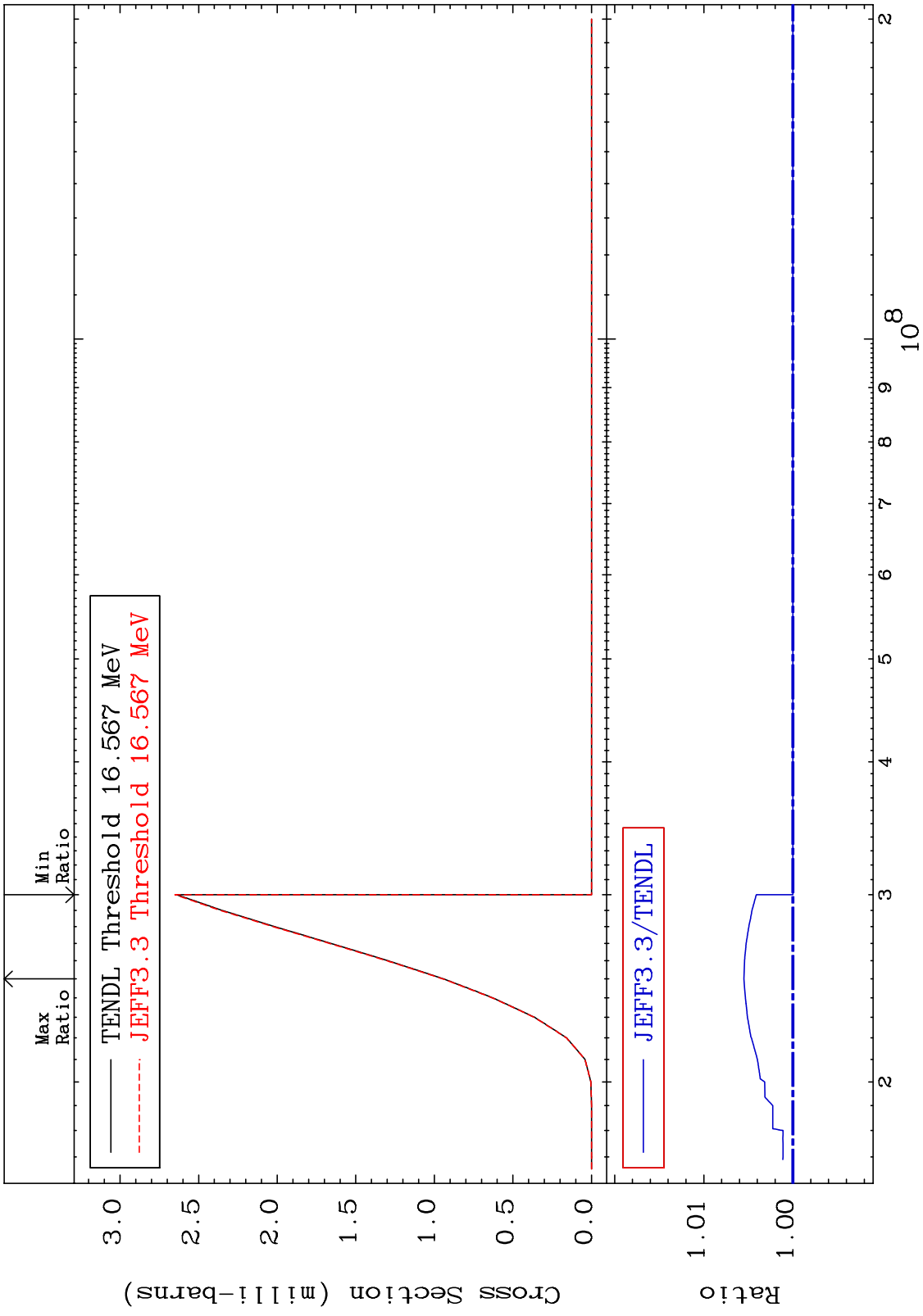




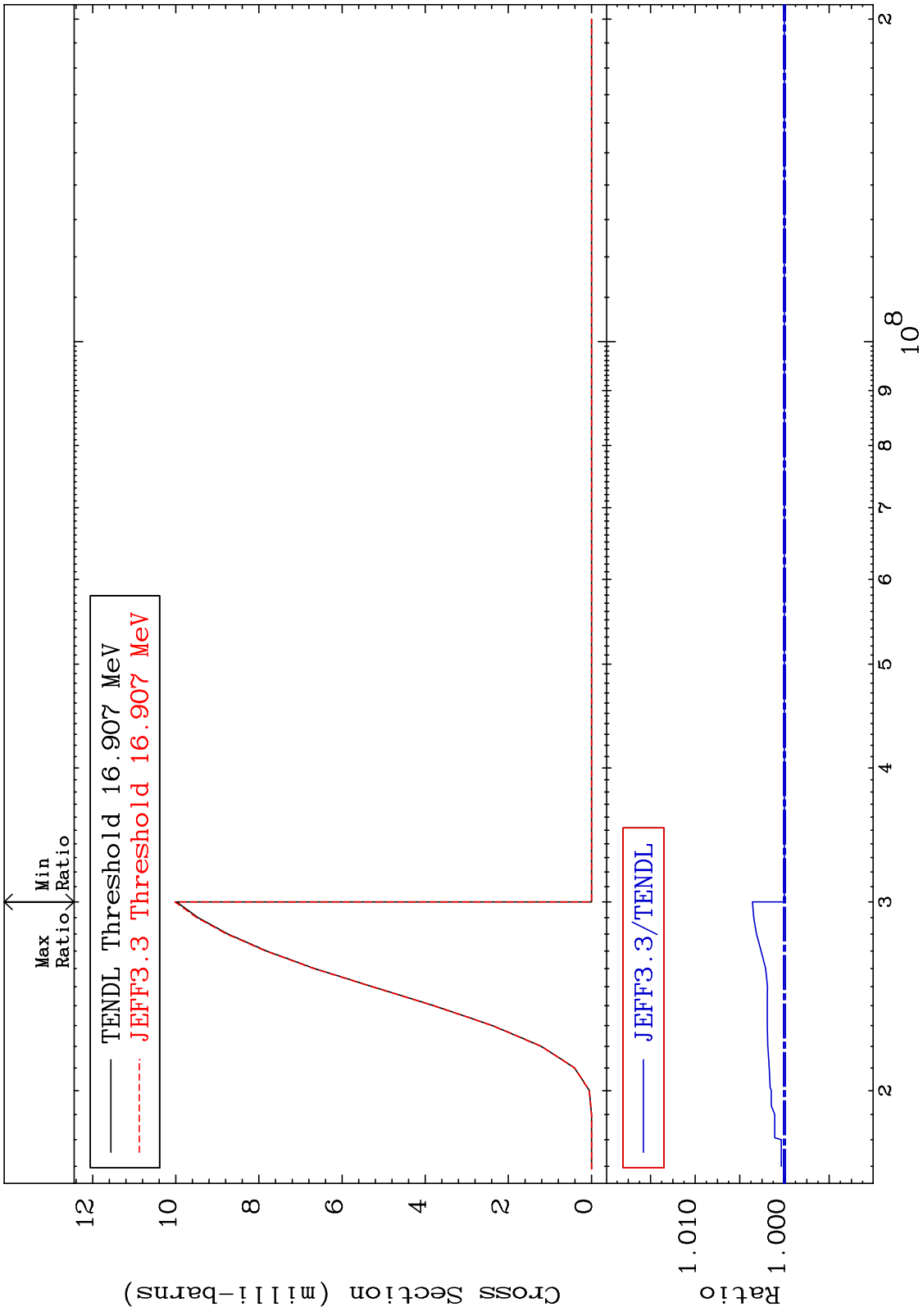
MAT 1628 (n,p) α 16-S -33
 Cross Section -0.136 To 97.86 %

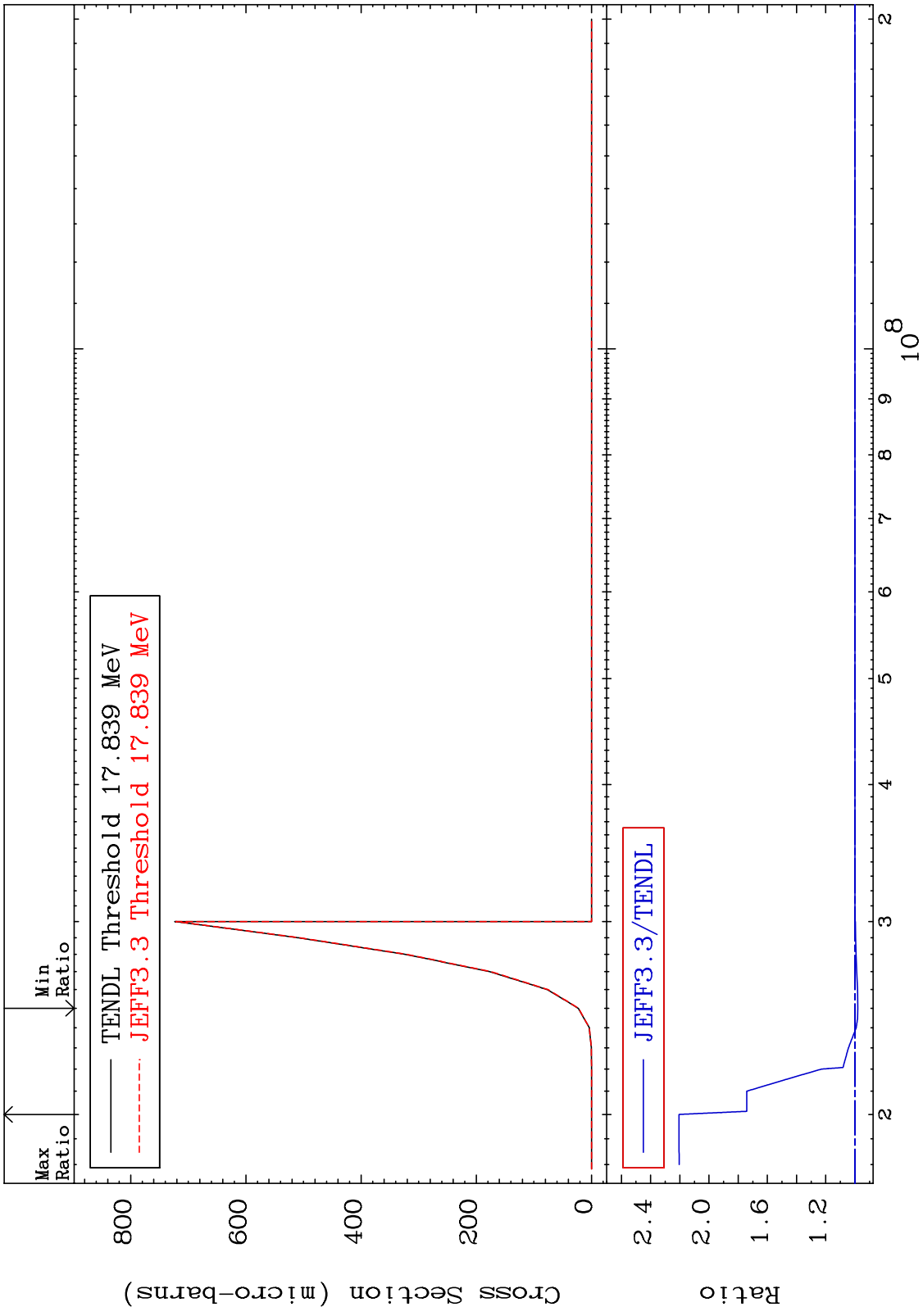


MAT 1628 (n,p) d 16-S -33
 Cross Section 0.000 To 0.550 %



MAT 1628 (n,p) t 16-S -33
 Cross Section 0.000 To 0.359 %

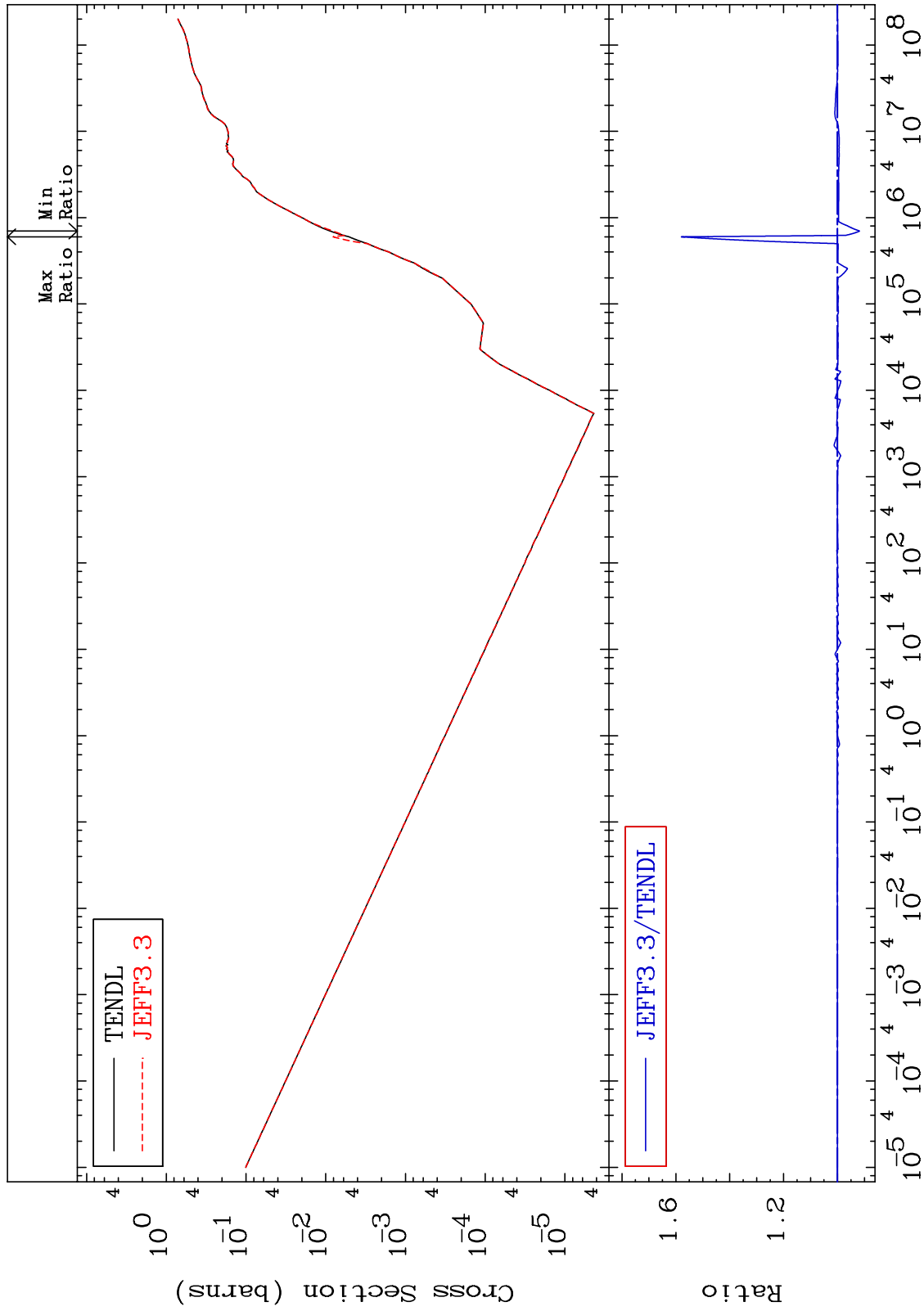




MAT 1628

Hydrogen Production Cross Section

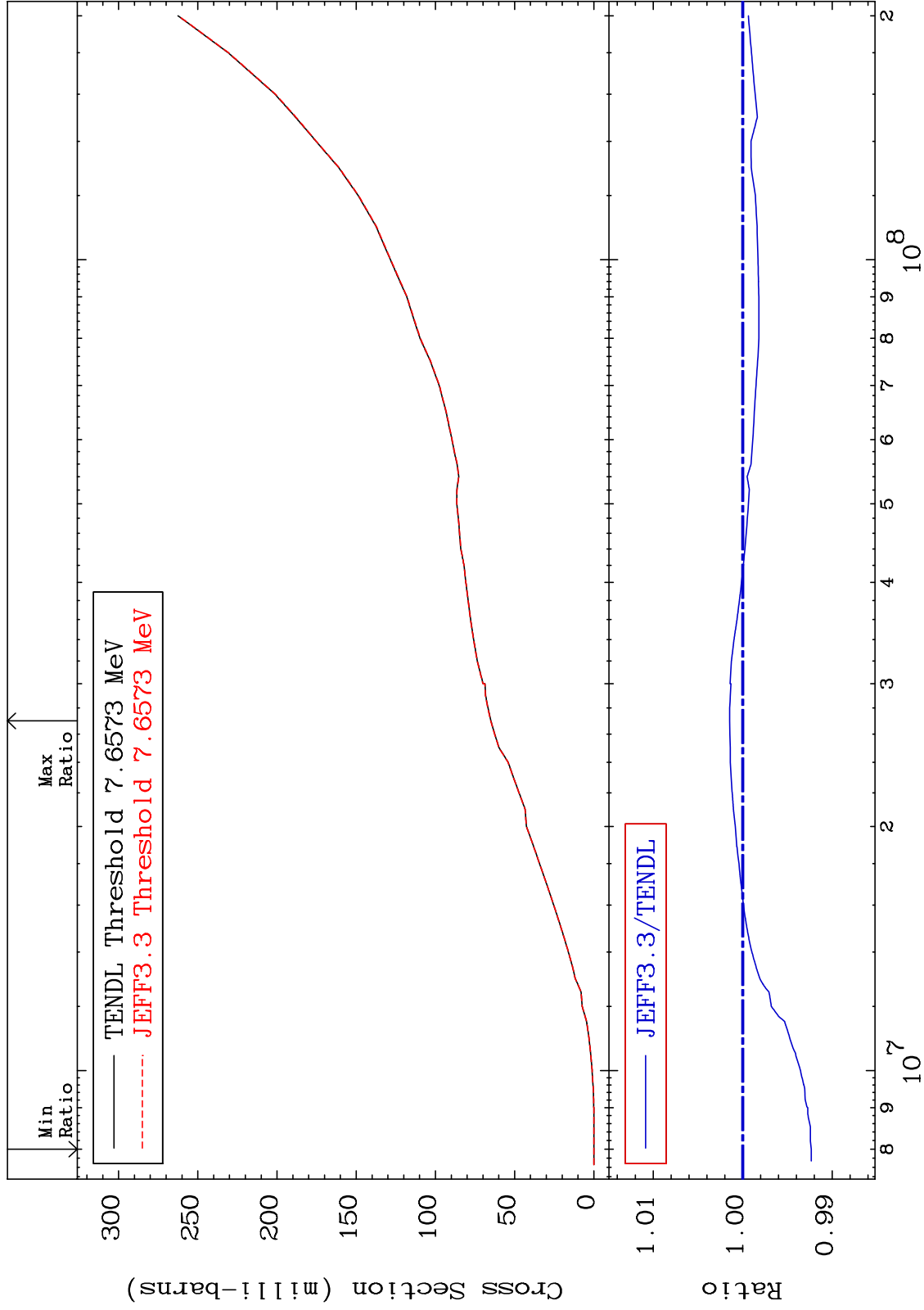
16-S -33
-8.264 To 57.99 %



MAT 1628

Deuterium Production
Cross Section

16-S -33
-0.767 To 0.146 %



61

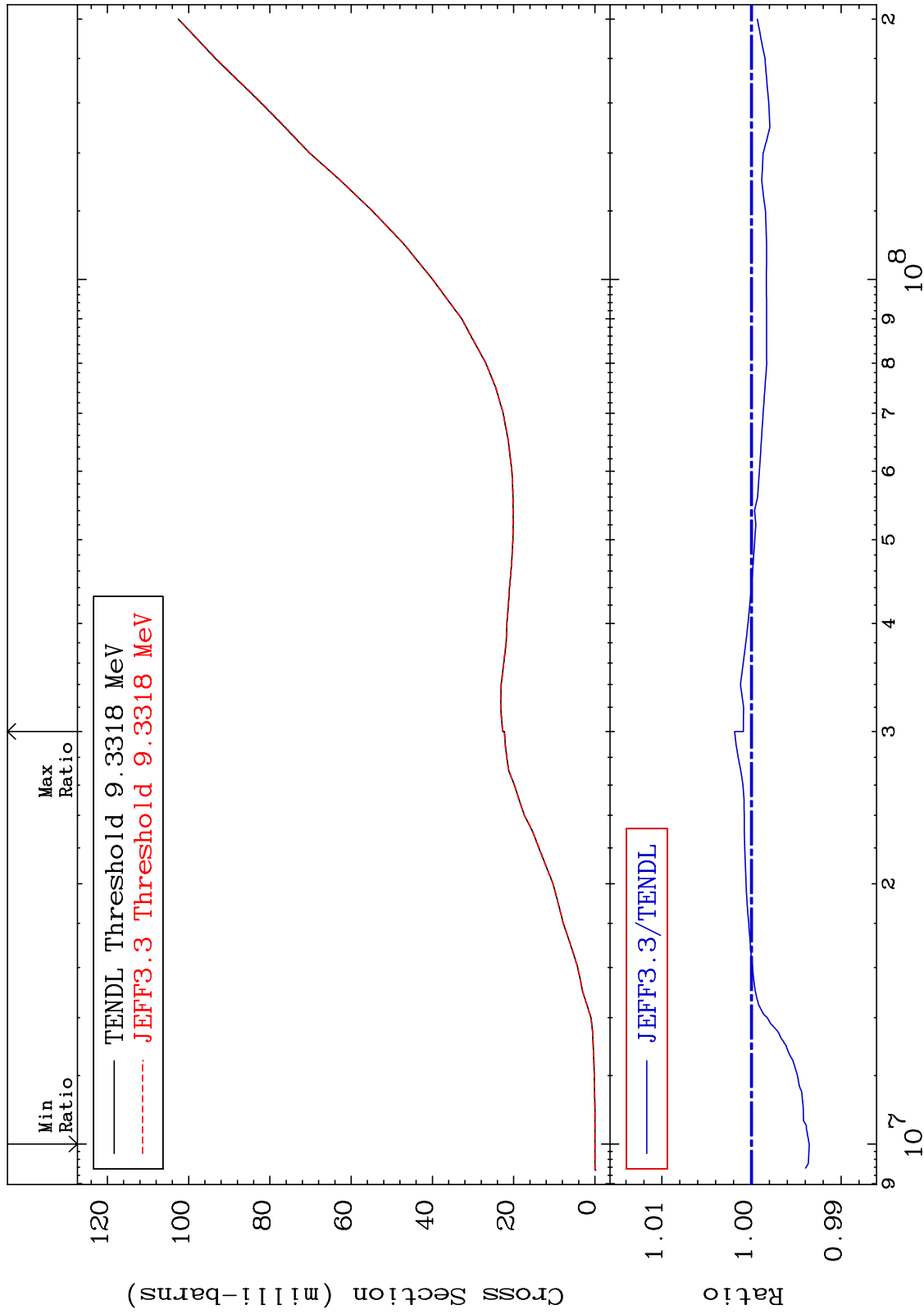
Incident Energy (eV)

16-S -33

MAT 1628

Tritium Production
Cross Section

16-S -33
-0.644 To 0.189 %

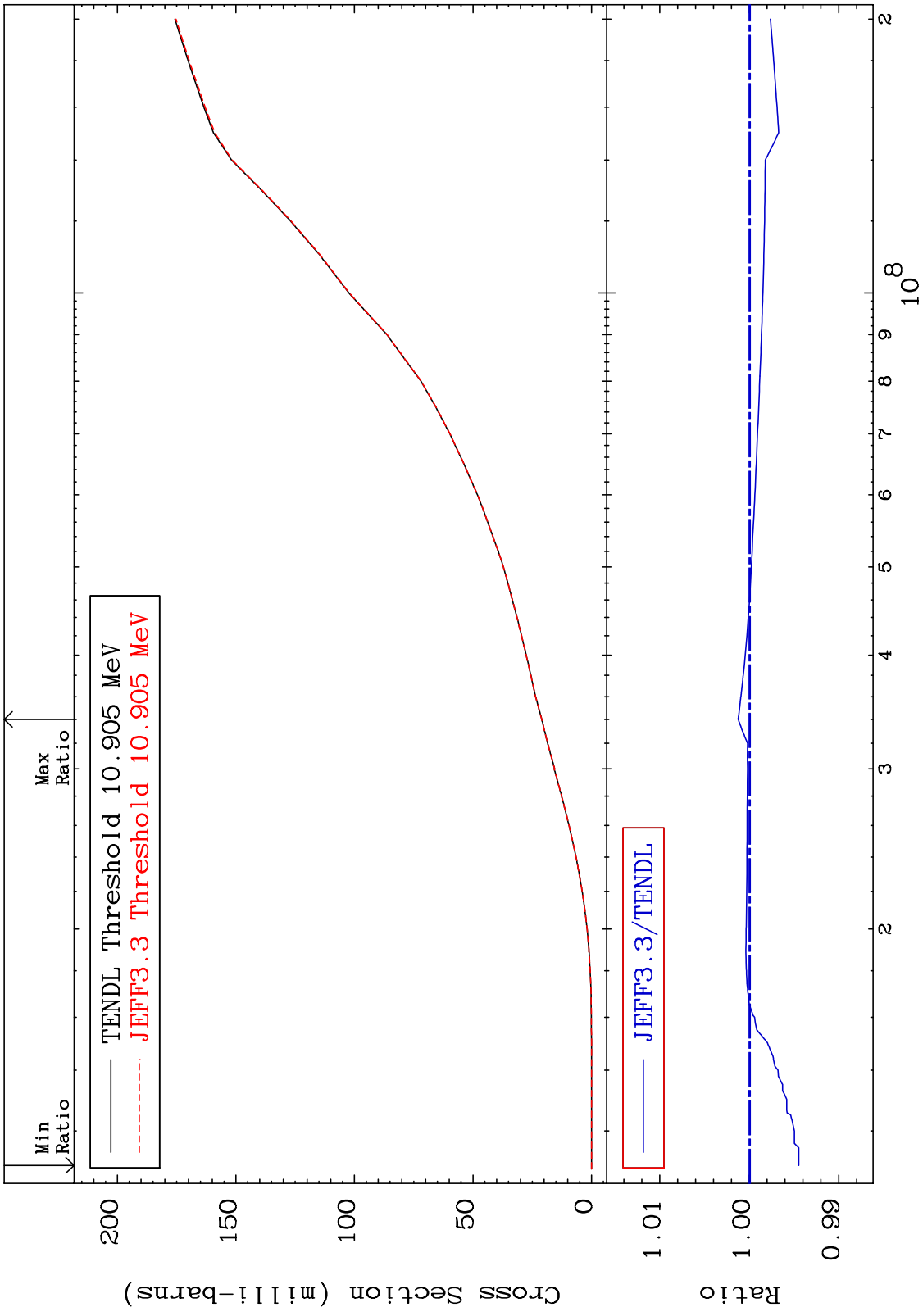


62

Incident Energy (eV)

16-S -33

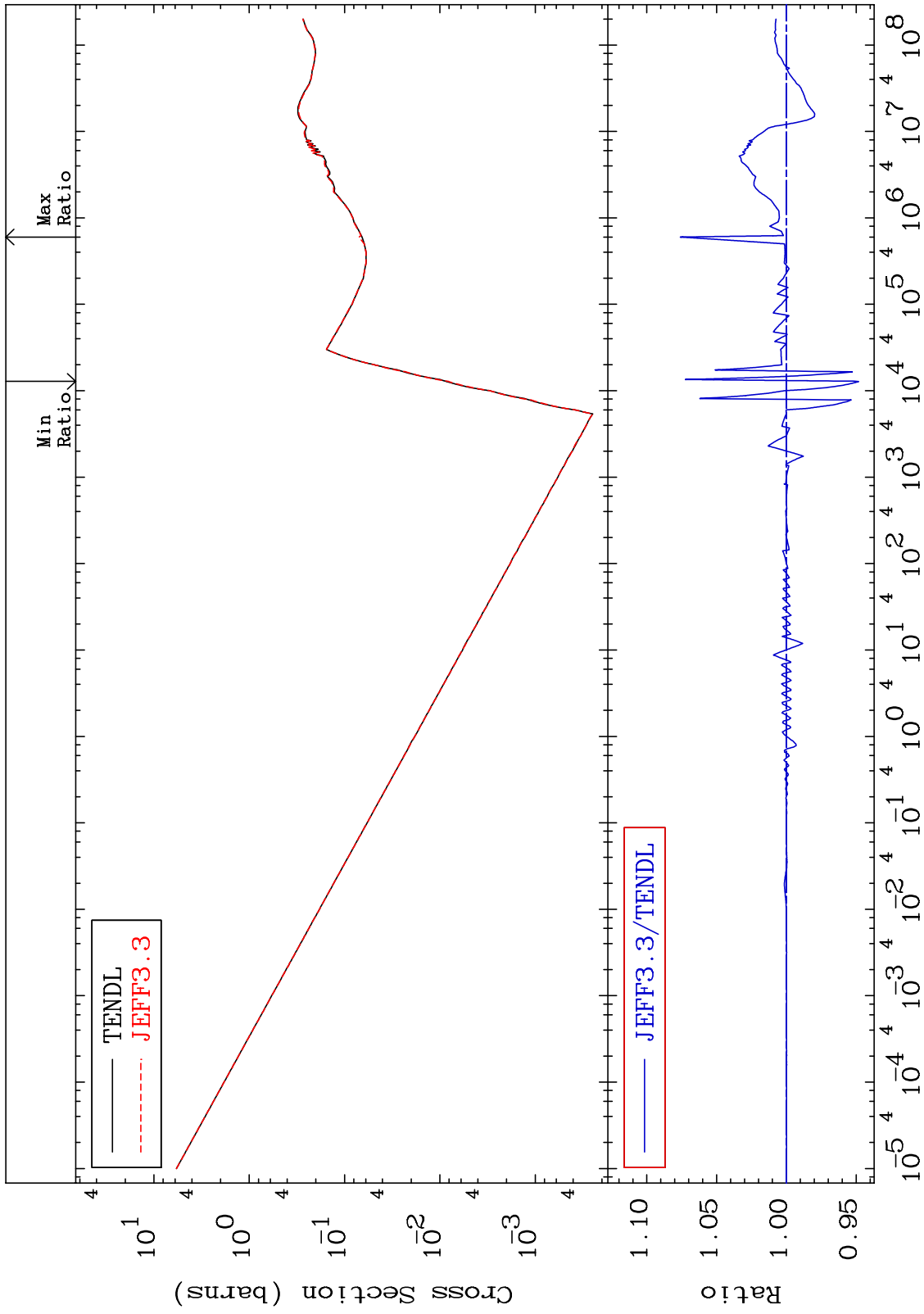
MAT 1628 He-3 Production Cross Section 16-S -33
 -0.552 To 0.124 %



MAT 1628

He-4 Production
Cross Section

16-S -33
-5.197 To 7.607 %



64

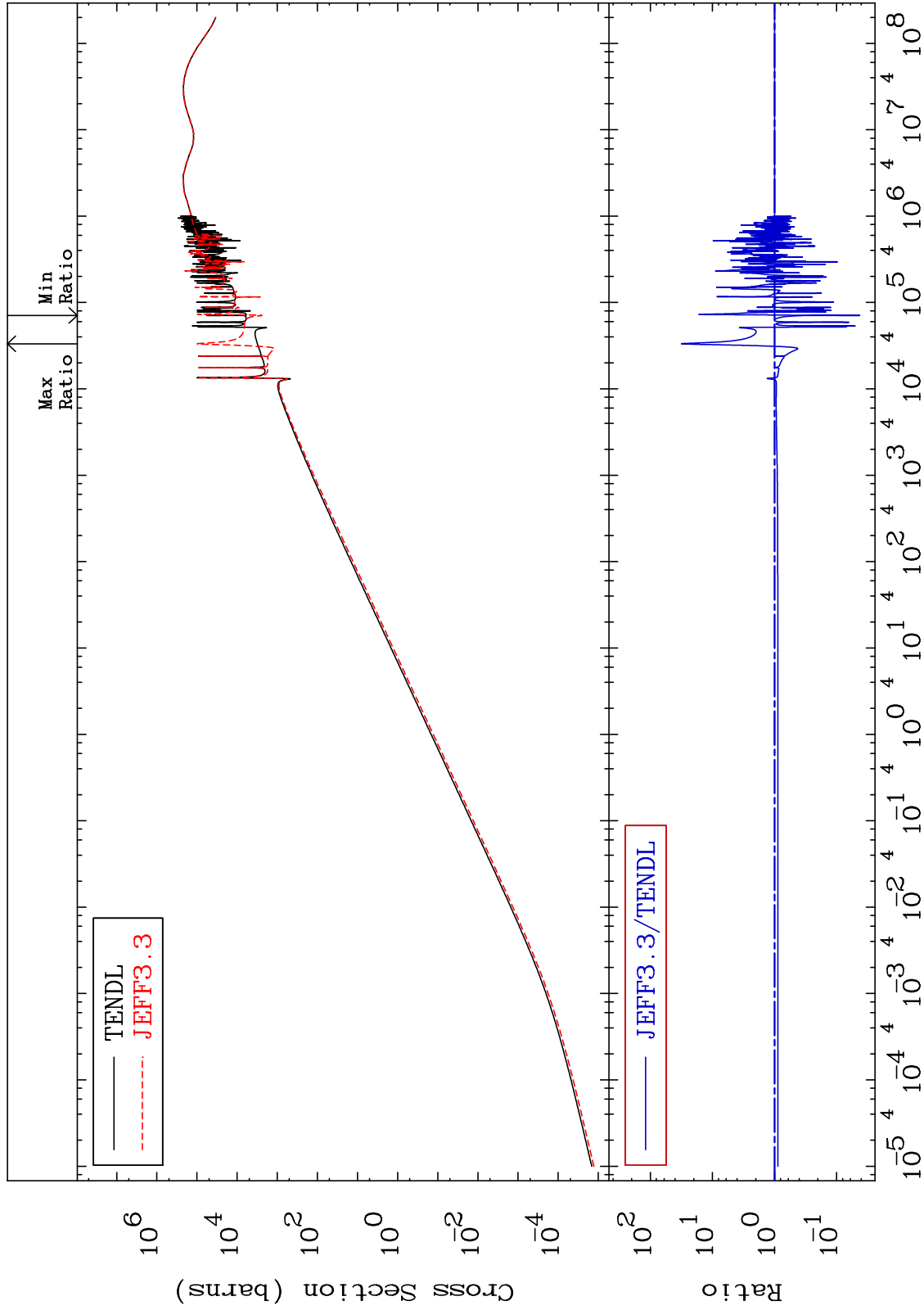
Incident Energy (eV)

16-S -33

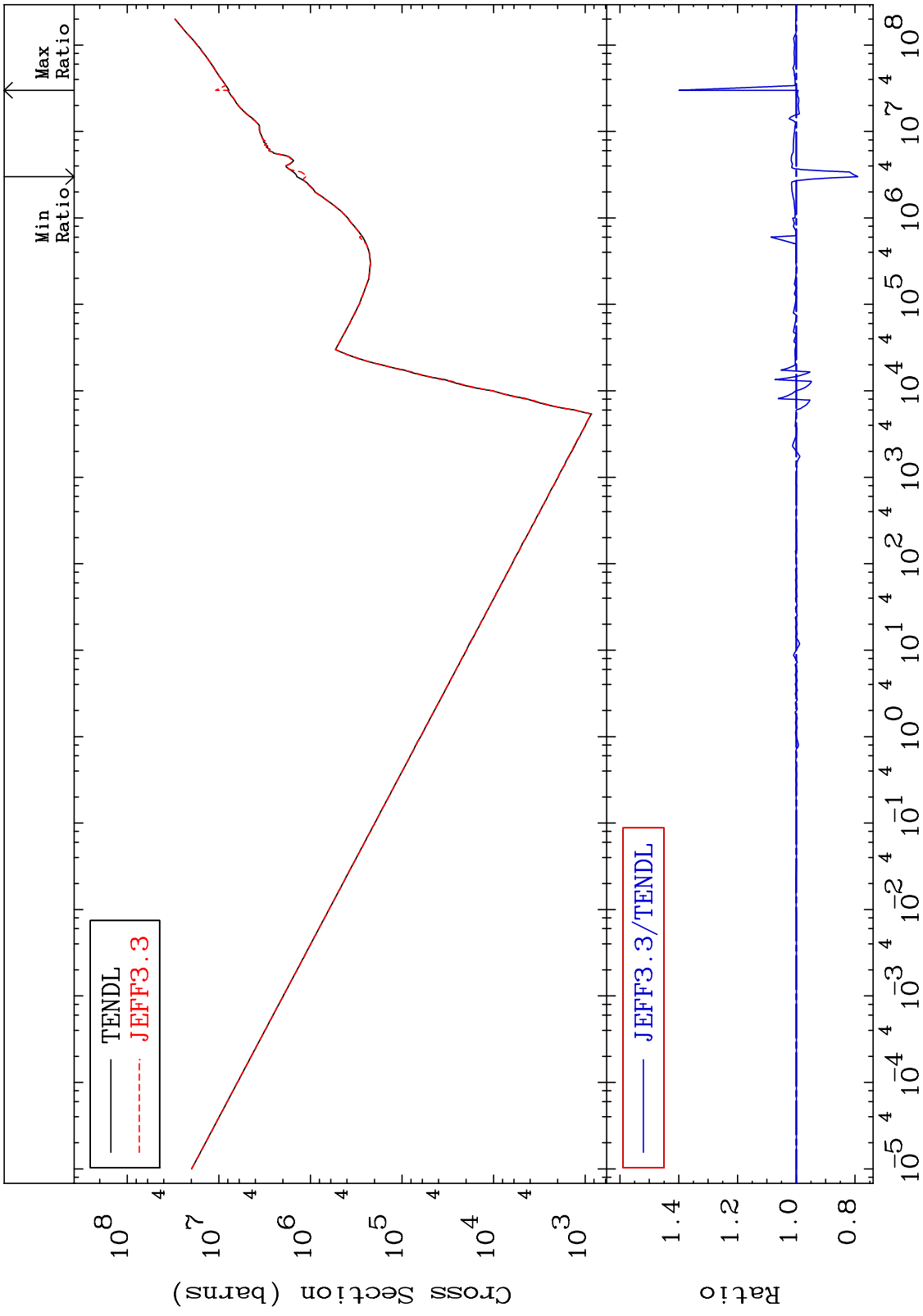
MAT 1628

Kerma elastic
Cross Section

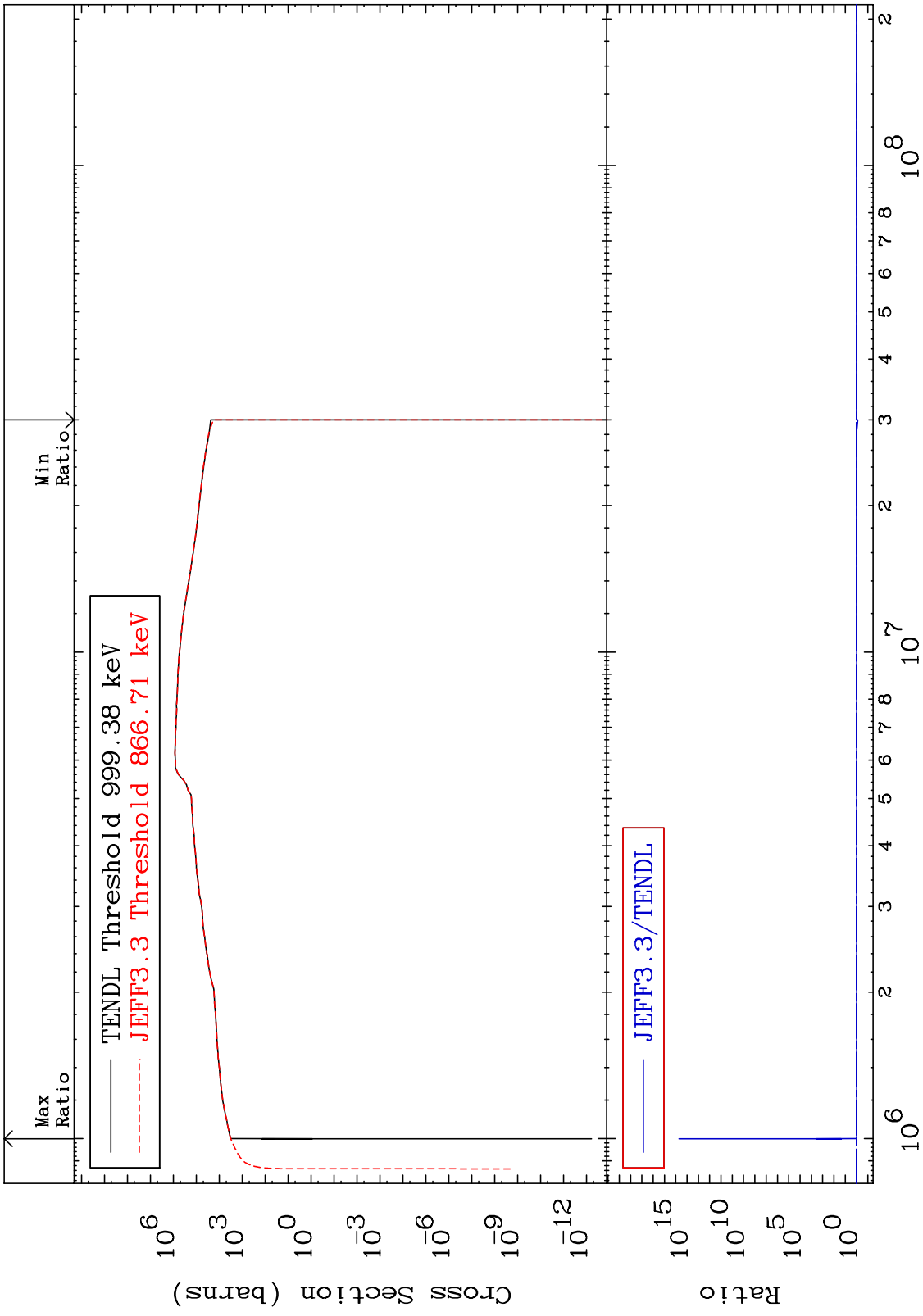
16-S -33
-95.77 To 3080. %



MAT 1628 Kerma non-elastic (all but mt2) 16-S -33
 Cross Section -20.95 To 39.89 %



MAT 1628 Kerma inelastic (mt51-91) 16-S -33
 Cross Section -22.70 To 9999. %

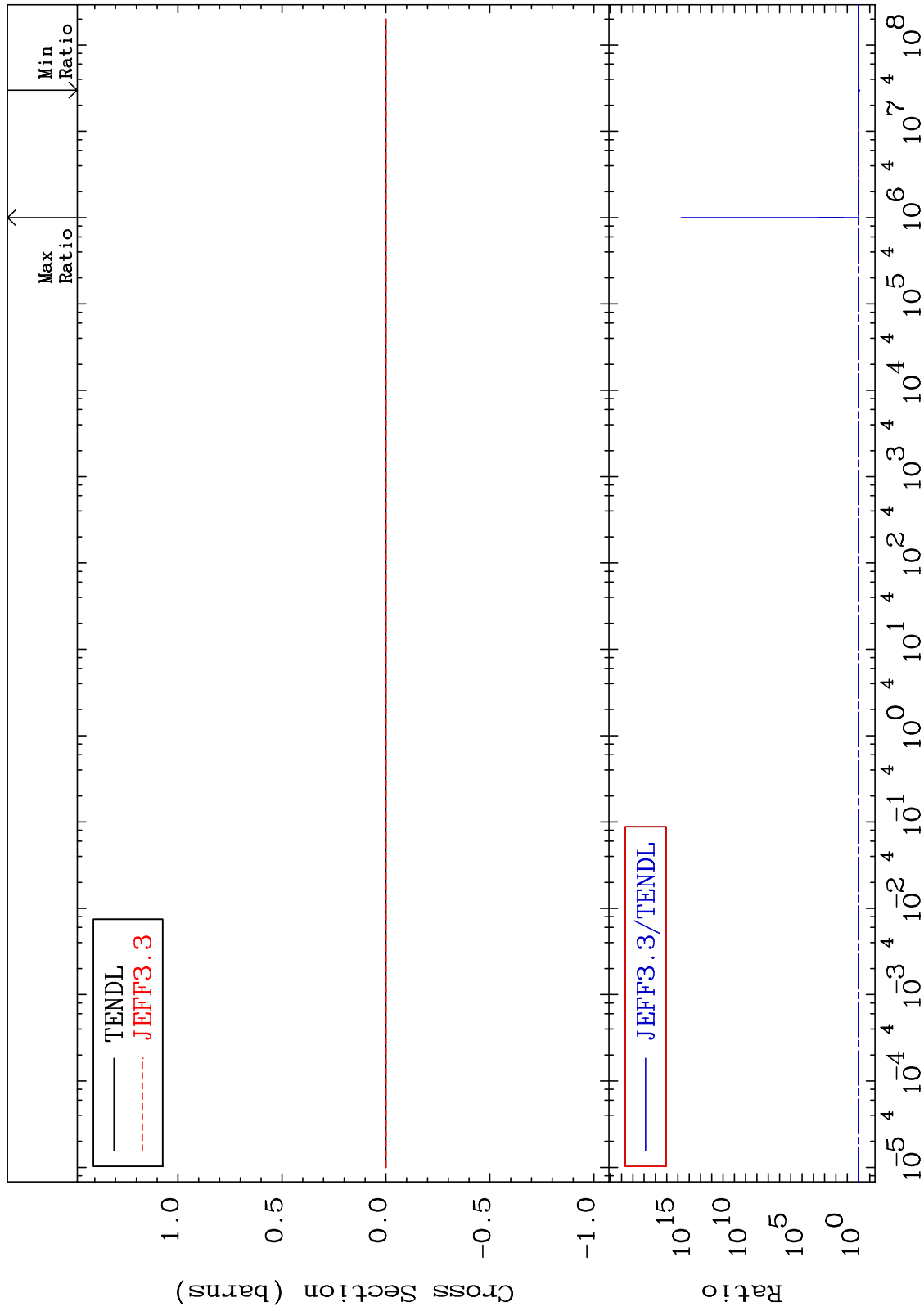


68 Incident Energy (eV) 16-S -33

MAT 1628

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

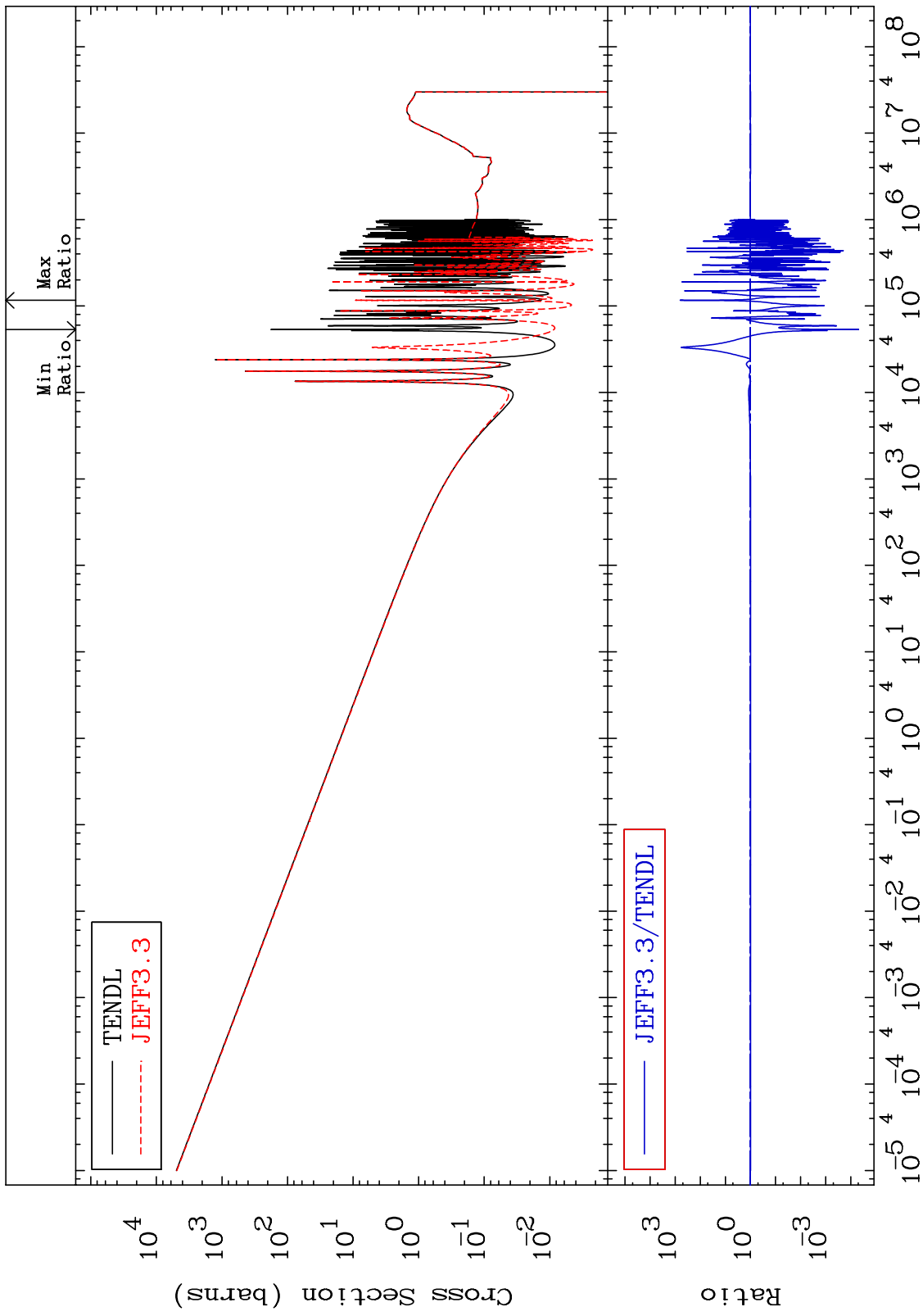
16-S -33
-22.70 To 9999. %



MAT 1628

Kerma capture (mt102)
Cross Section

16-S -33
-100.0 To 9999. %



70

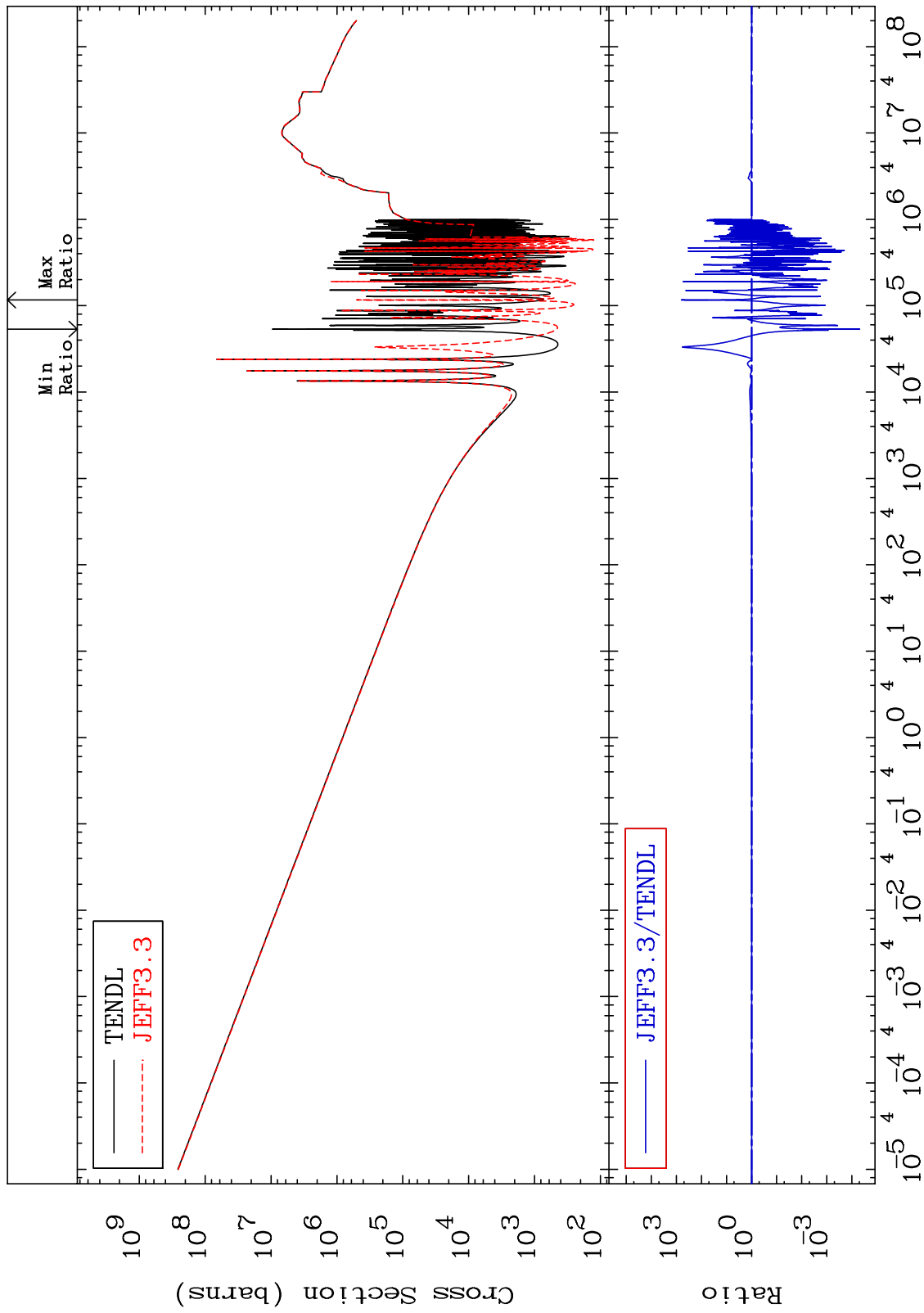
Incident Energy (eV)

16-S -33

MAT 1628

Total photon (eV-barns)
Cross Section

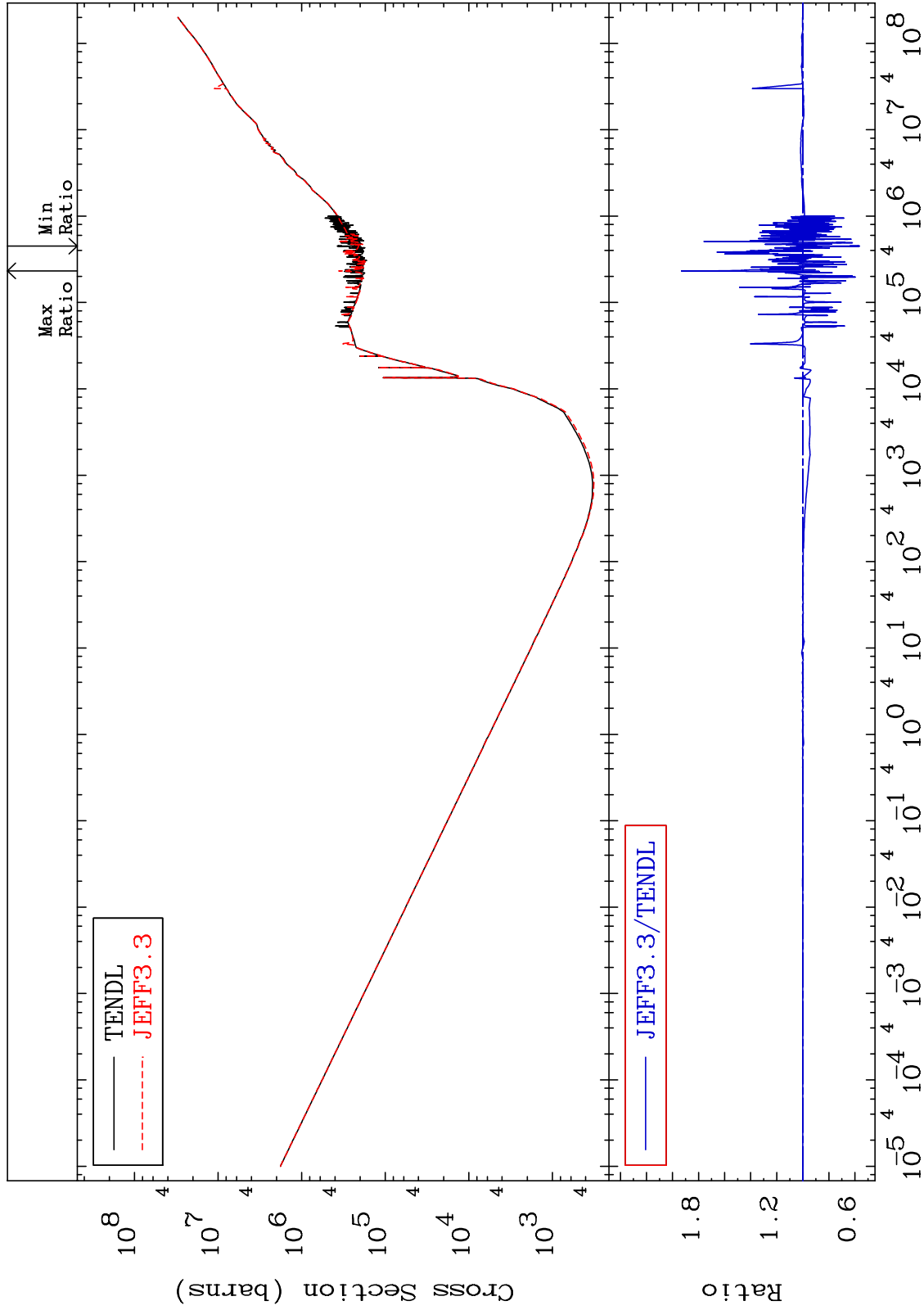
16-S -33
-100.0 To 9999. %



MAT 1628

Total kinematic kerma (high limit)
Cross Section

16-S -33
-43.73 To 93.30 %

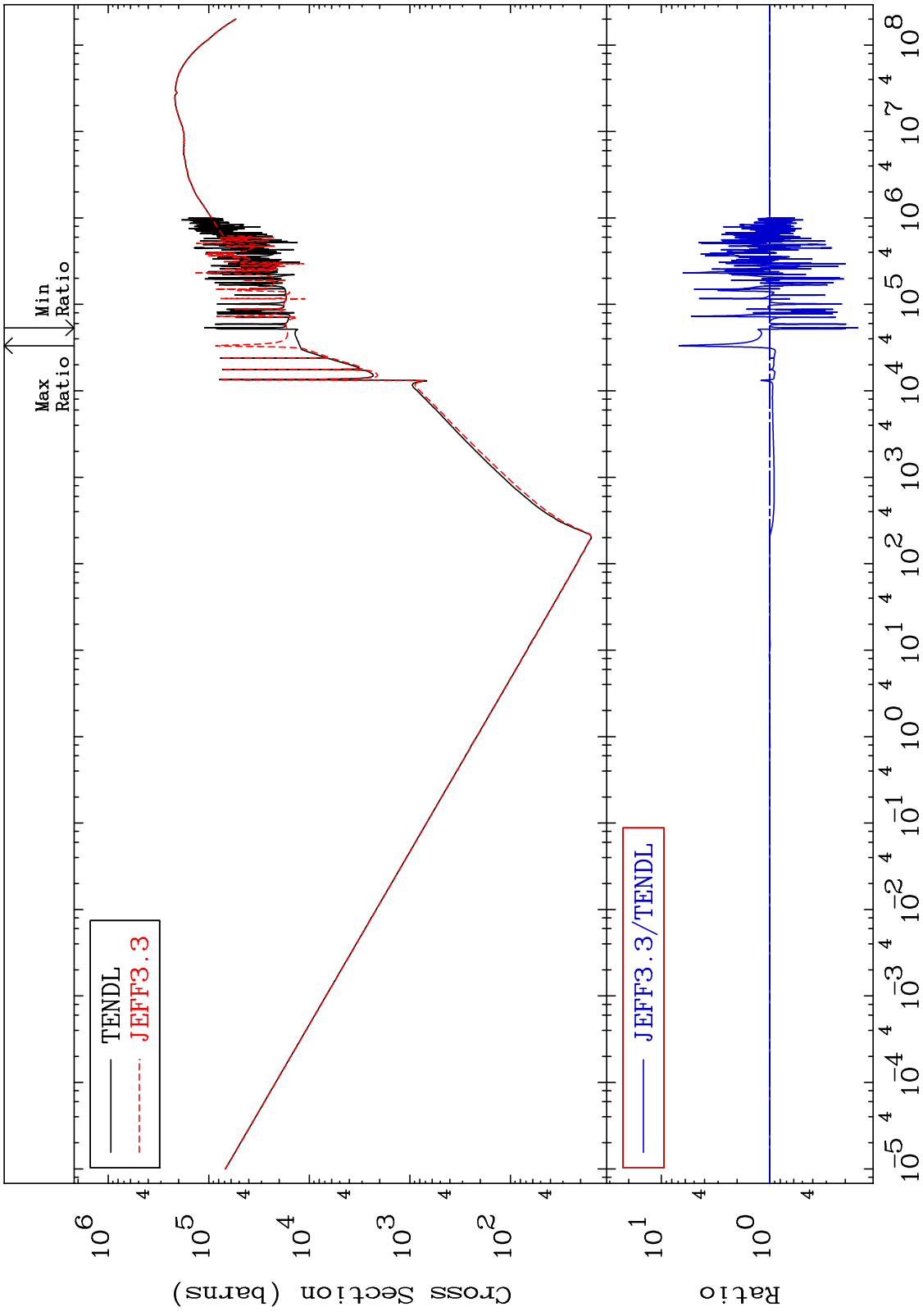


72

Incident Energy (eV)

16-S -33

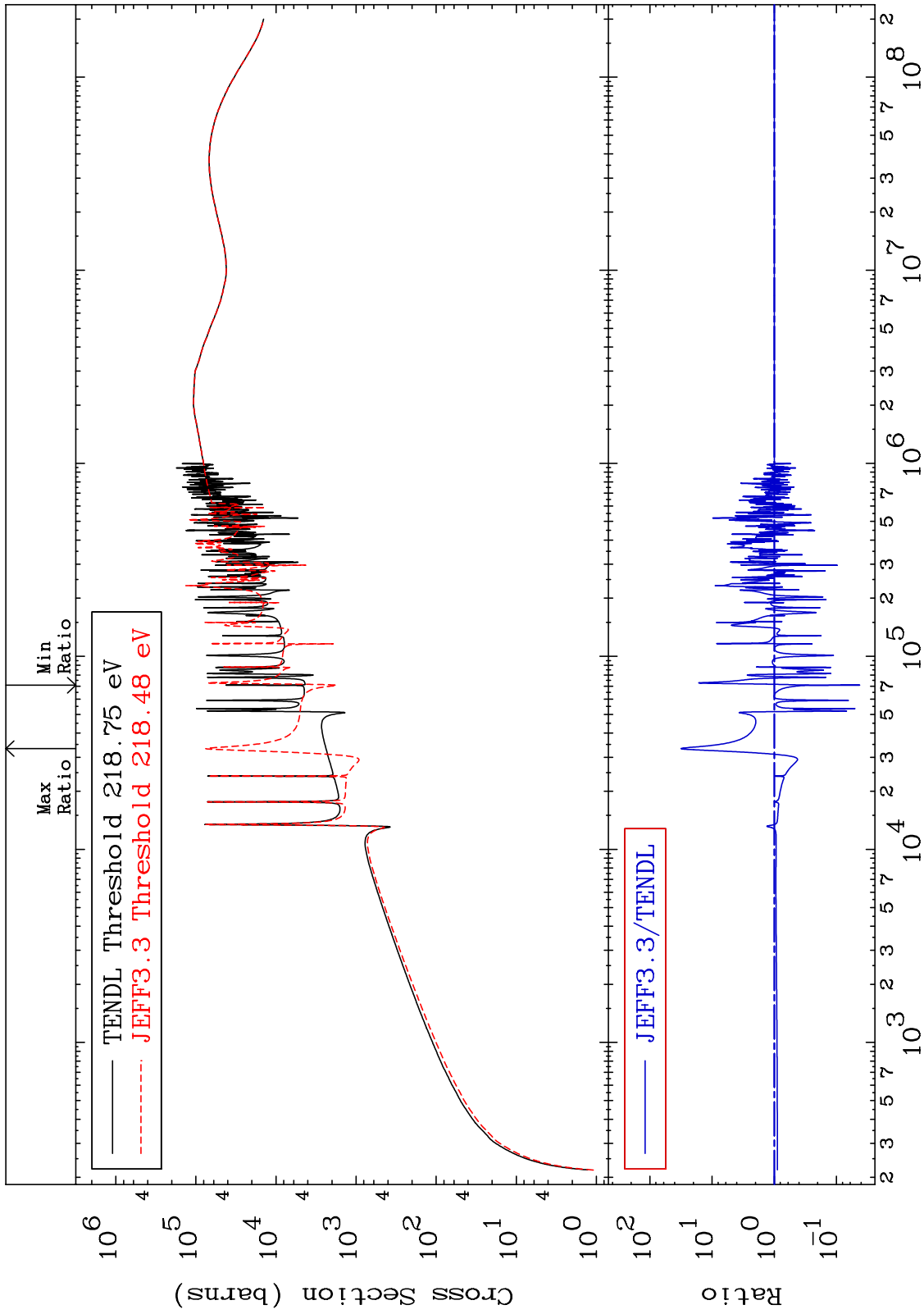
MAT 1628 Dpa total (eV-barns) 16-S -33
Cross Section -84.65 To 586.8 %



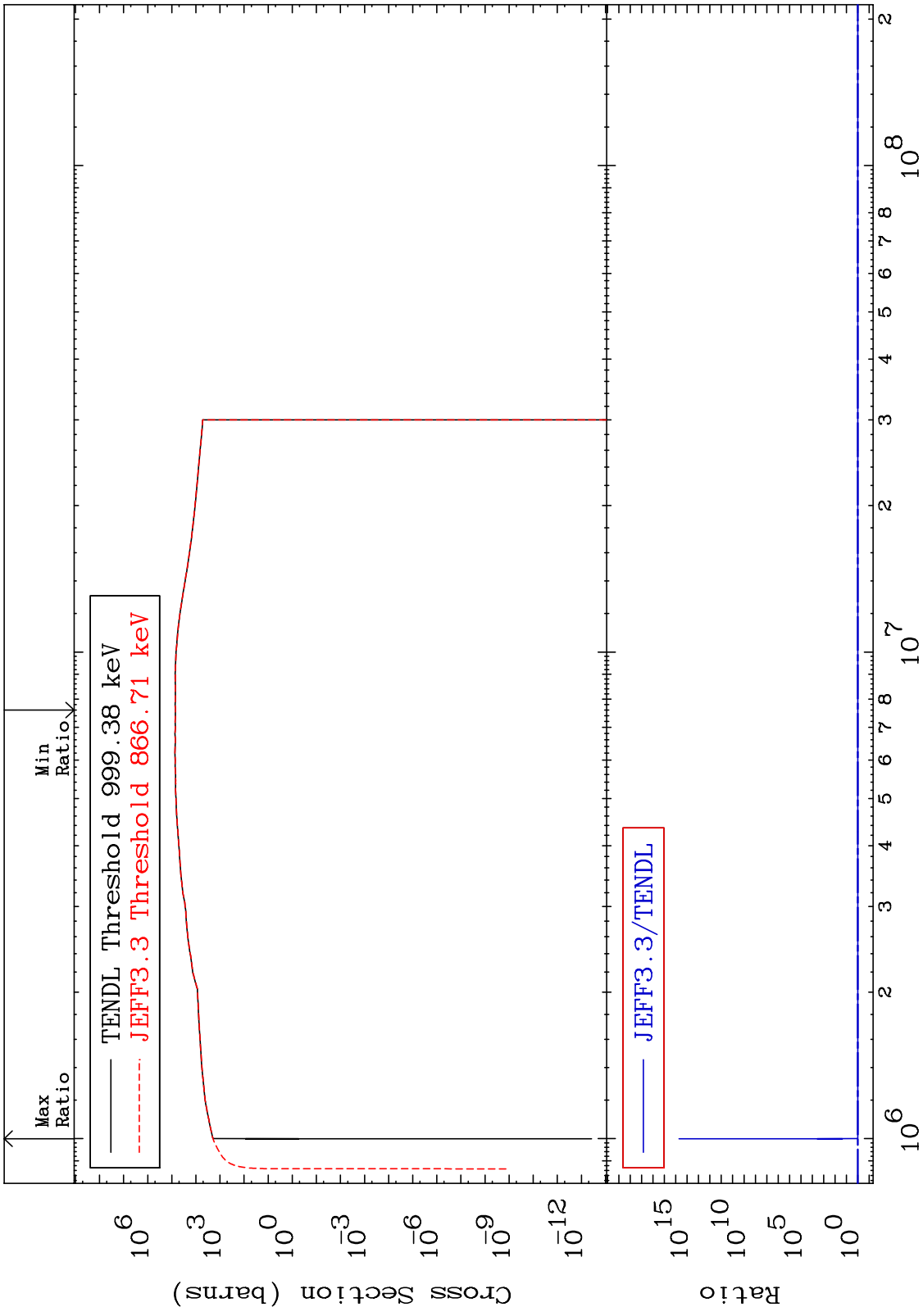
MAT 1628

Dpa elastic (mt2)
Cross Section

16-S -33
-95.77 To 3080. %



MAT 1628 Dpa inelastic (mt51-91) 16-S -33
 Cross Section -0.678 To 9999. %



MAT 1628 Dpa disappearance (mt102 -120) 16-S -33
 Cross Section -5.190 To 8.442 %

