

Program Complot
(Version 2021-1)

by

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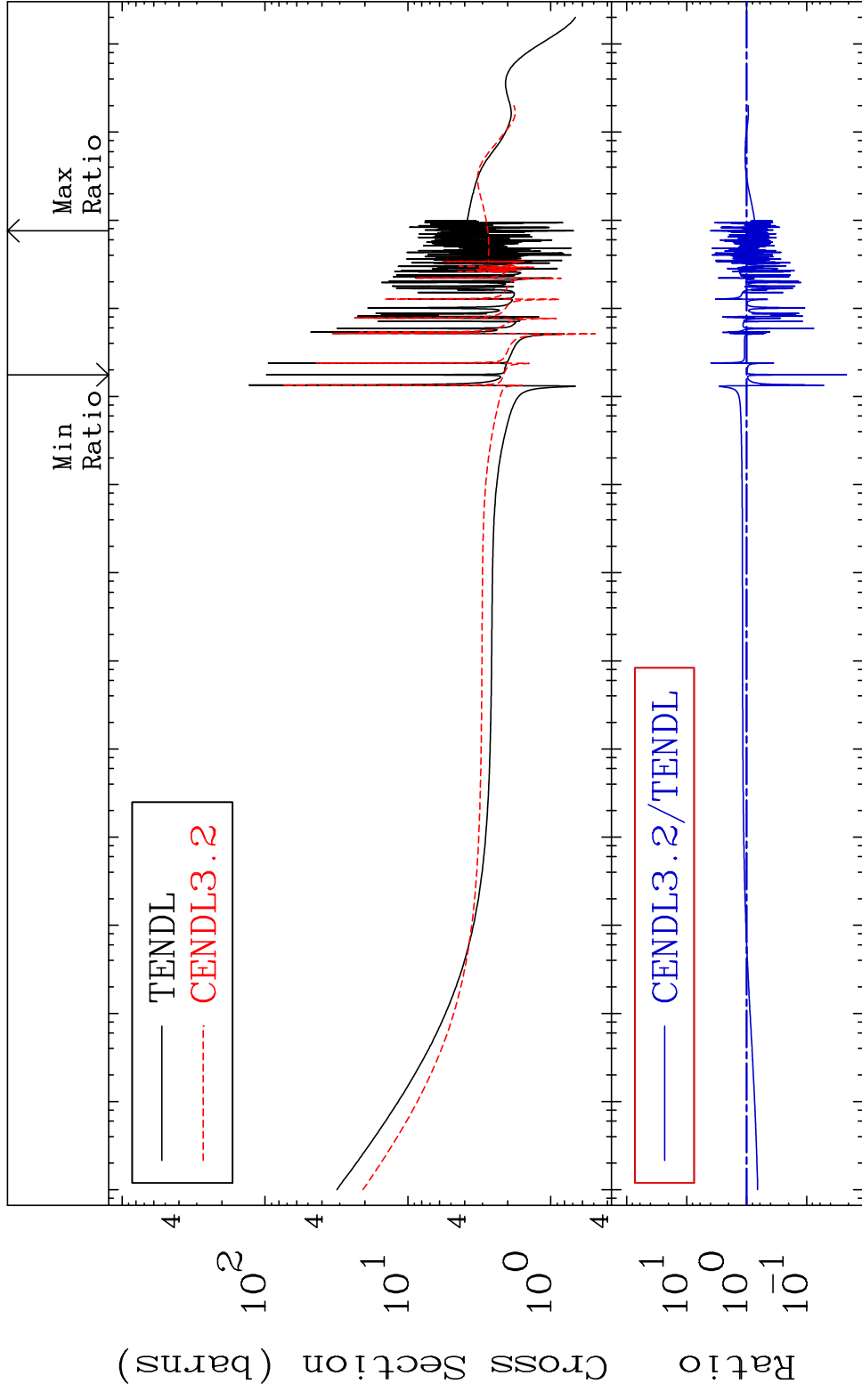
Press Mouse Button to Start

MAT 1628

Total

16-S -33

Cross Section -97.82 To 297.0 %



1

Incident Energy (eV)

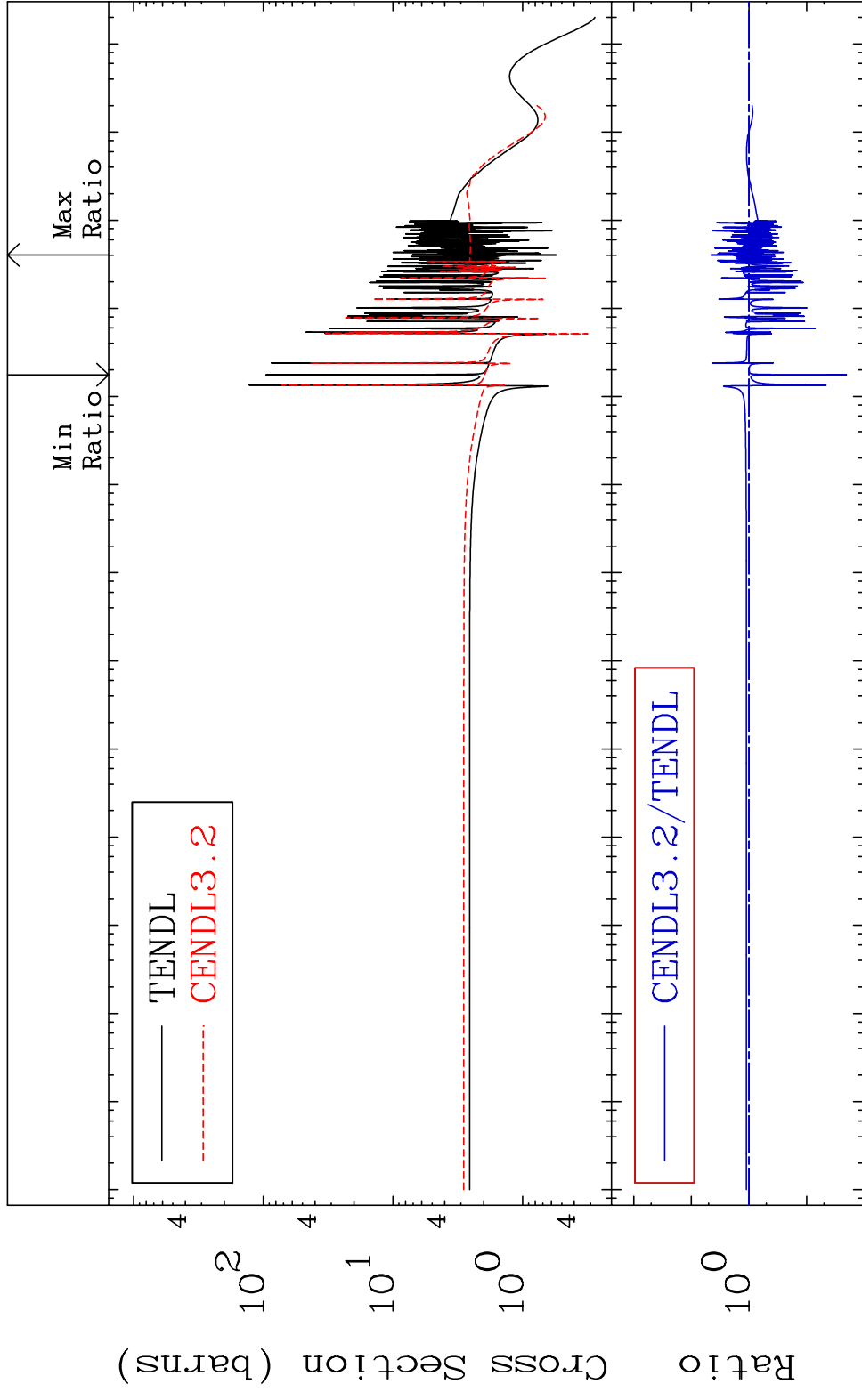
16-S -33

MAT 1628

Elastic

16-S -33

Cross Section -97.95 To 361.4 %



2

Incident Energy (eV)

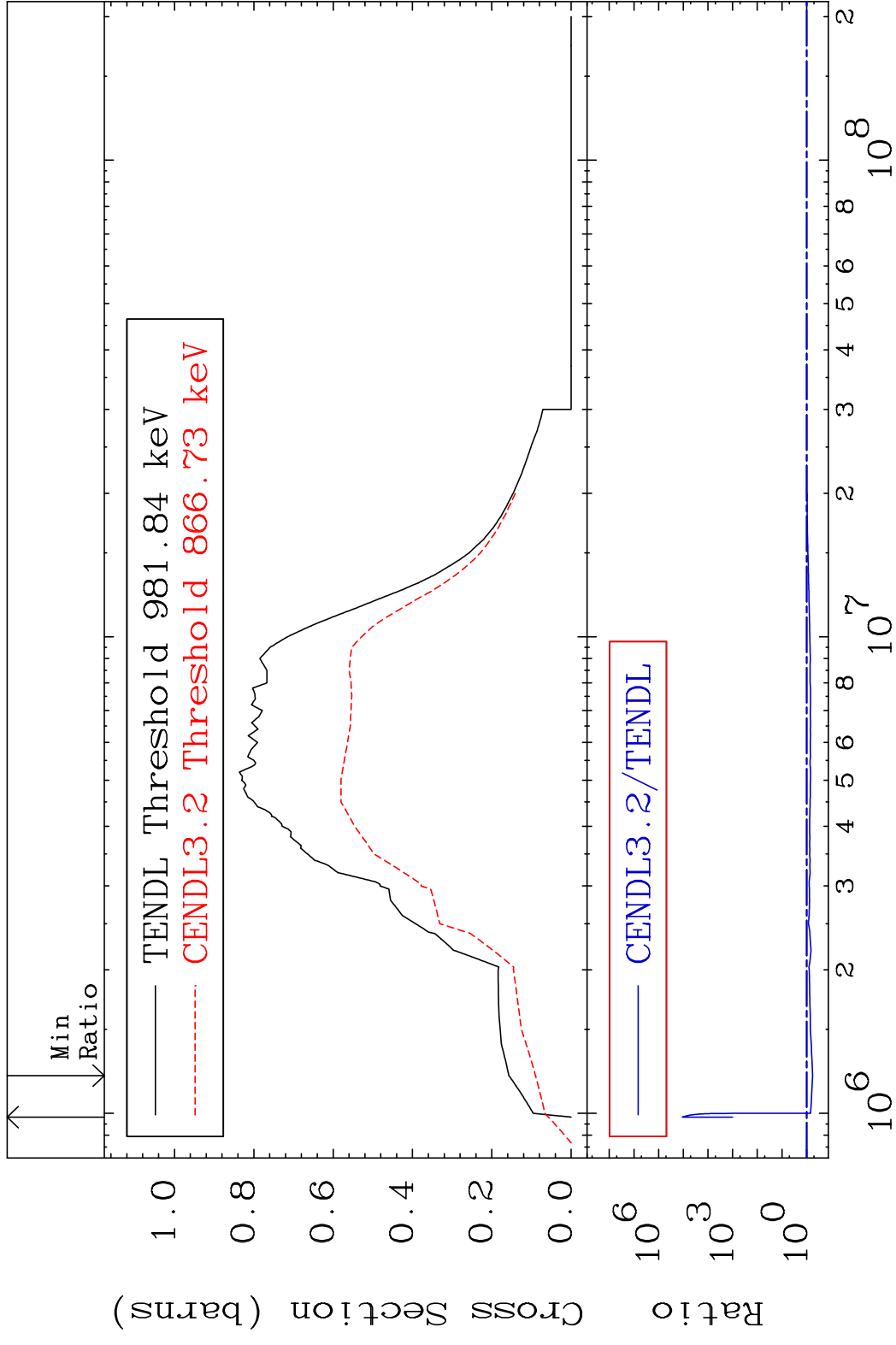
16-S -33

MAT 1628

Inelastic

16-S -33

Cross Section -42.58 To 9999. %



3

Incident Energy (eV)

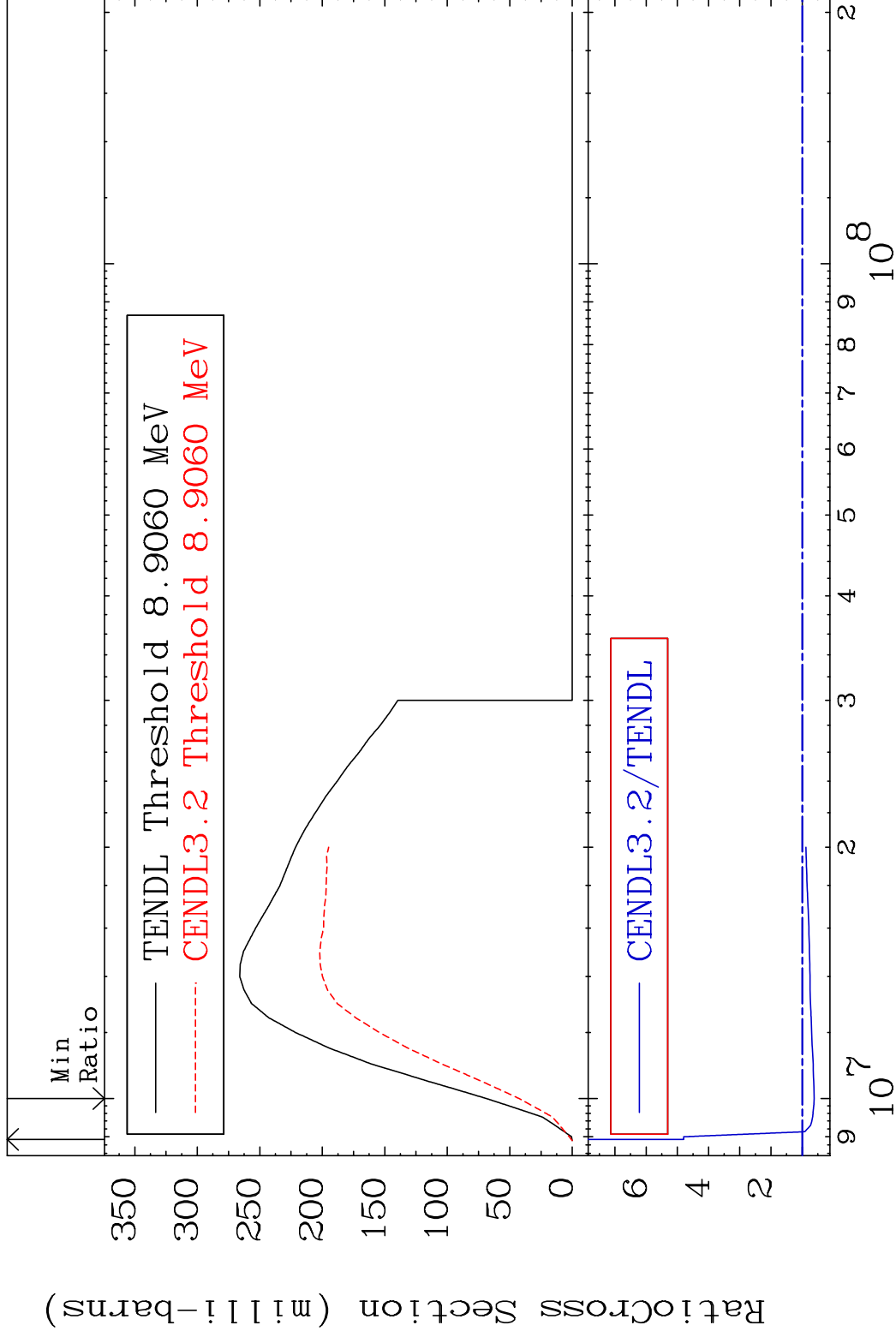
16-S -33

MAT 1628

(n,2n)

16-S -33

Cross Section -38.15 To 379.8 %

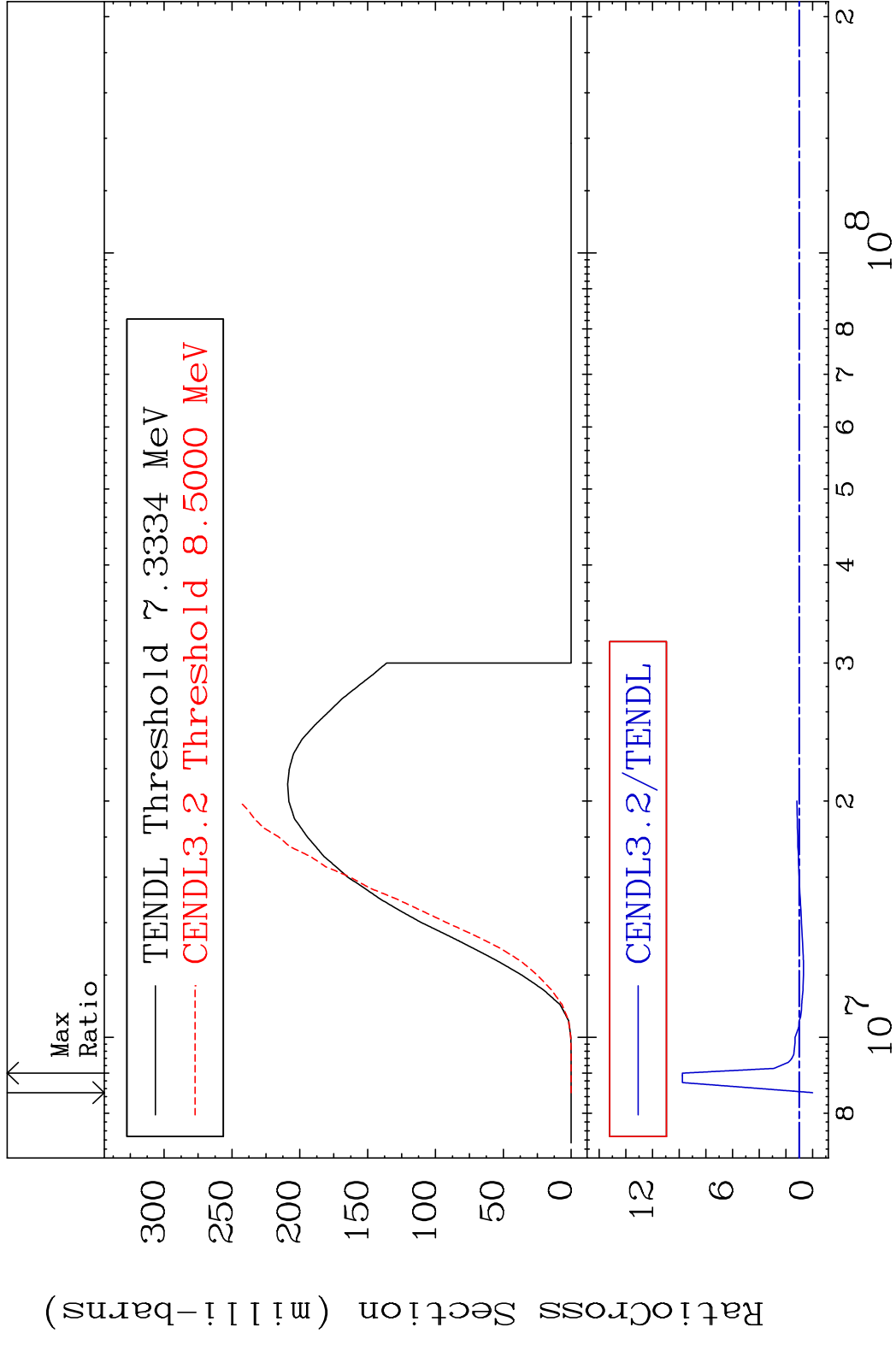


4

Incident Energy (eV)

16-S -33

MAT 1628 (n, n') α 16-S -33
 Cross Section -100.0 To 875.9 %



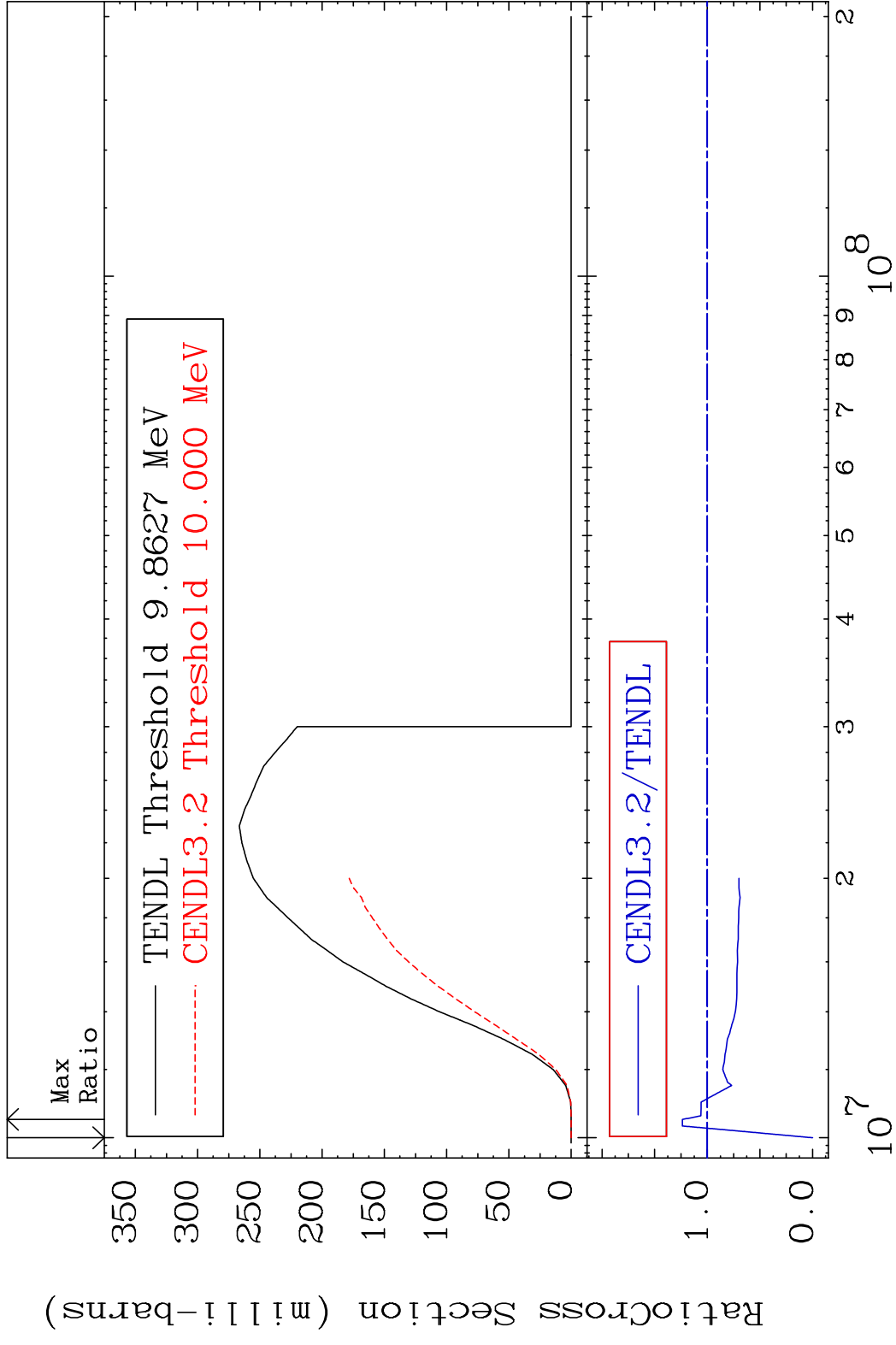
5 16-S -33

MAT 1628

(n, n') p

16-S -33

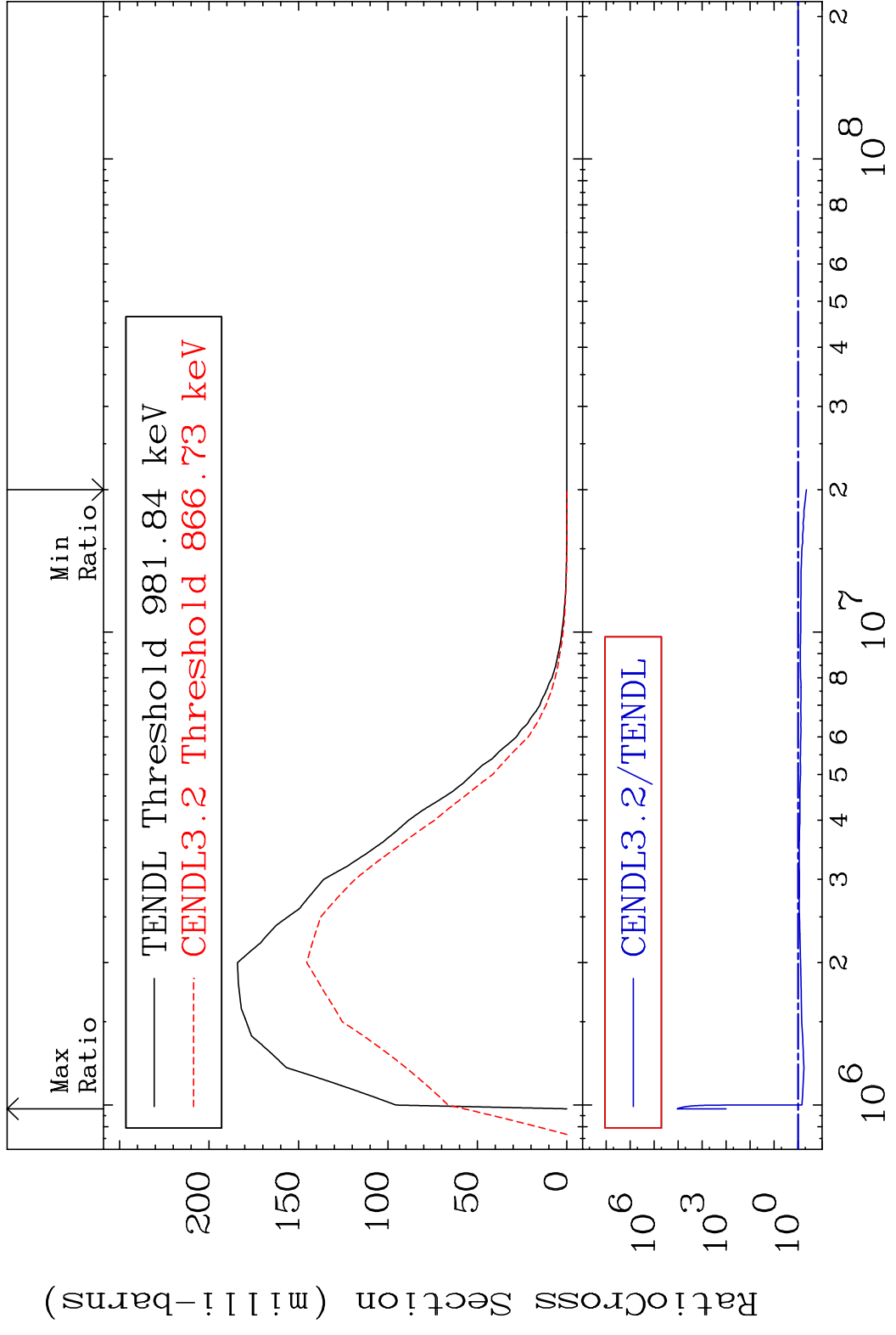
Cross Section -100.0 To 23.70 %



Incident Energy (eV)

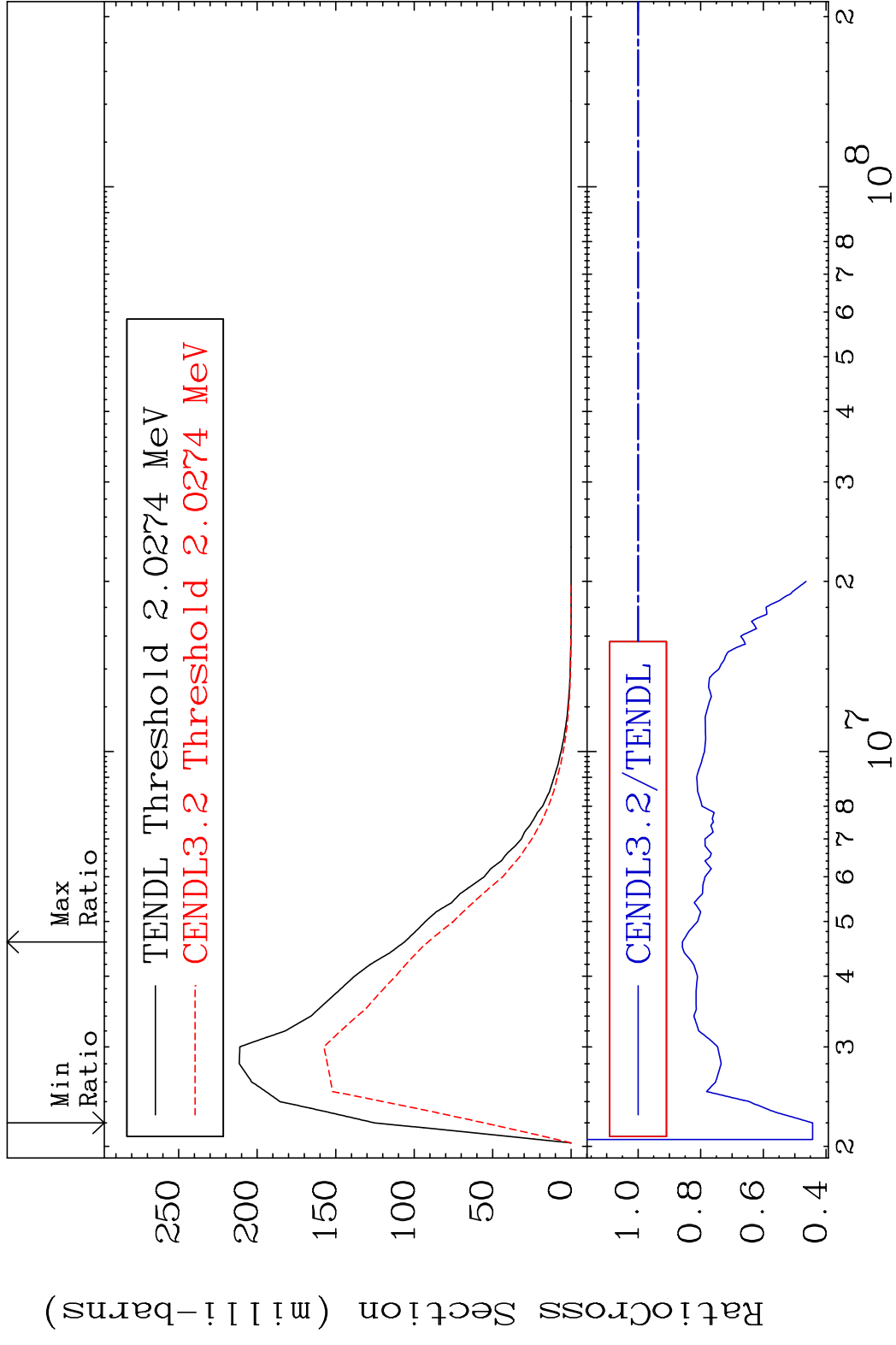
16-S -33

MAT 1628 MT= 51 (n, n') Level 16-S -33
 Cross Section -55.06 To 9999. %

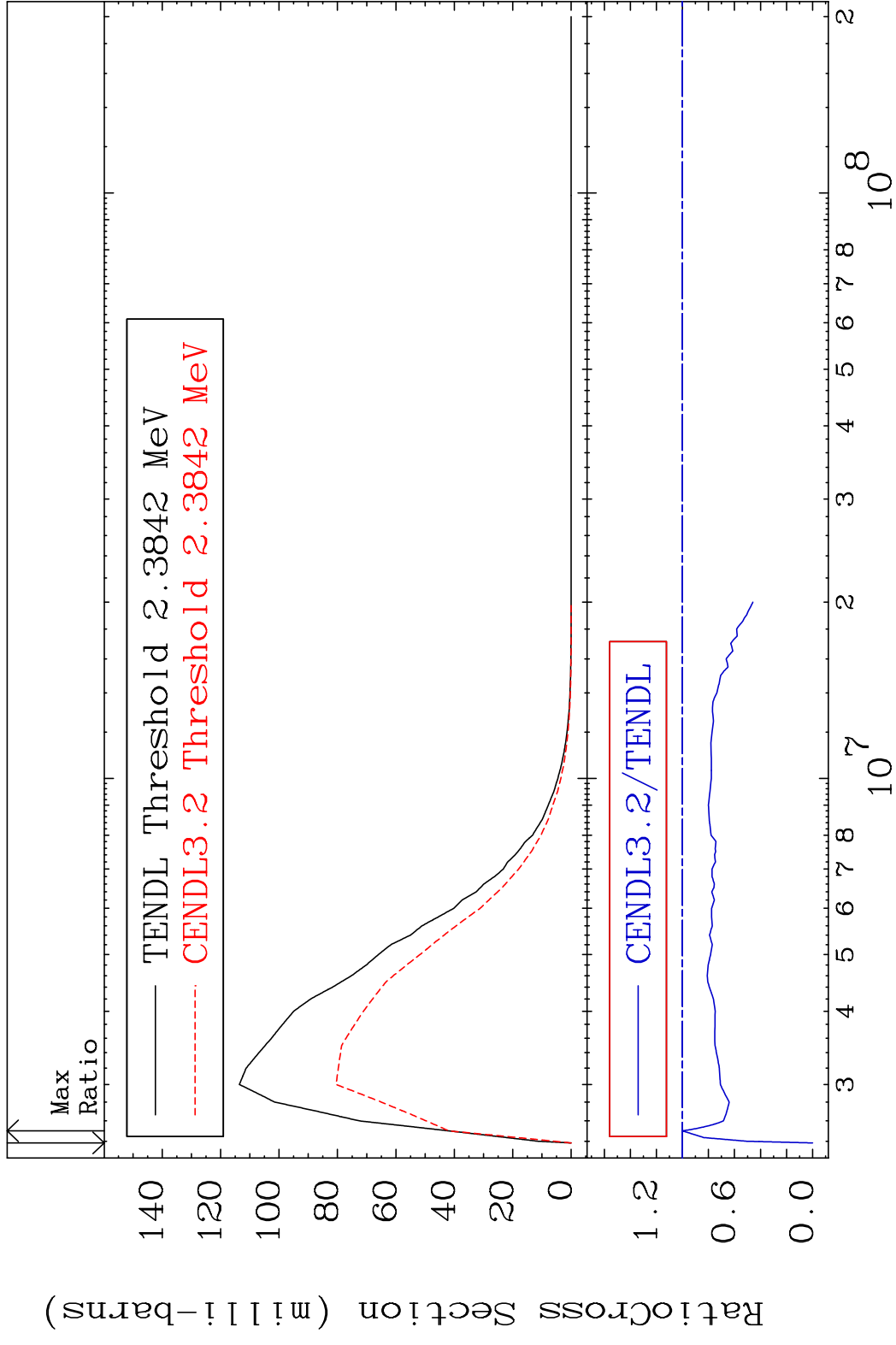


7 Incident Energy (eV) 16-S -33

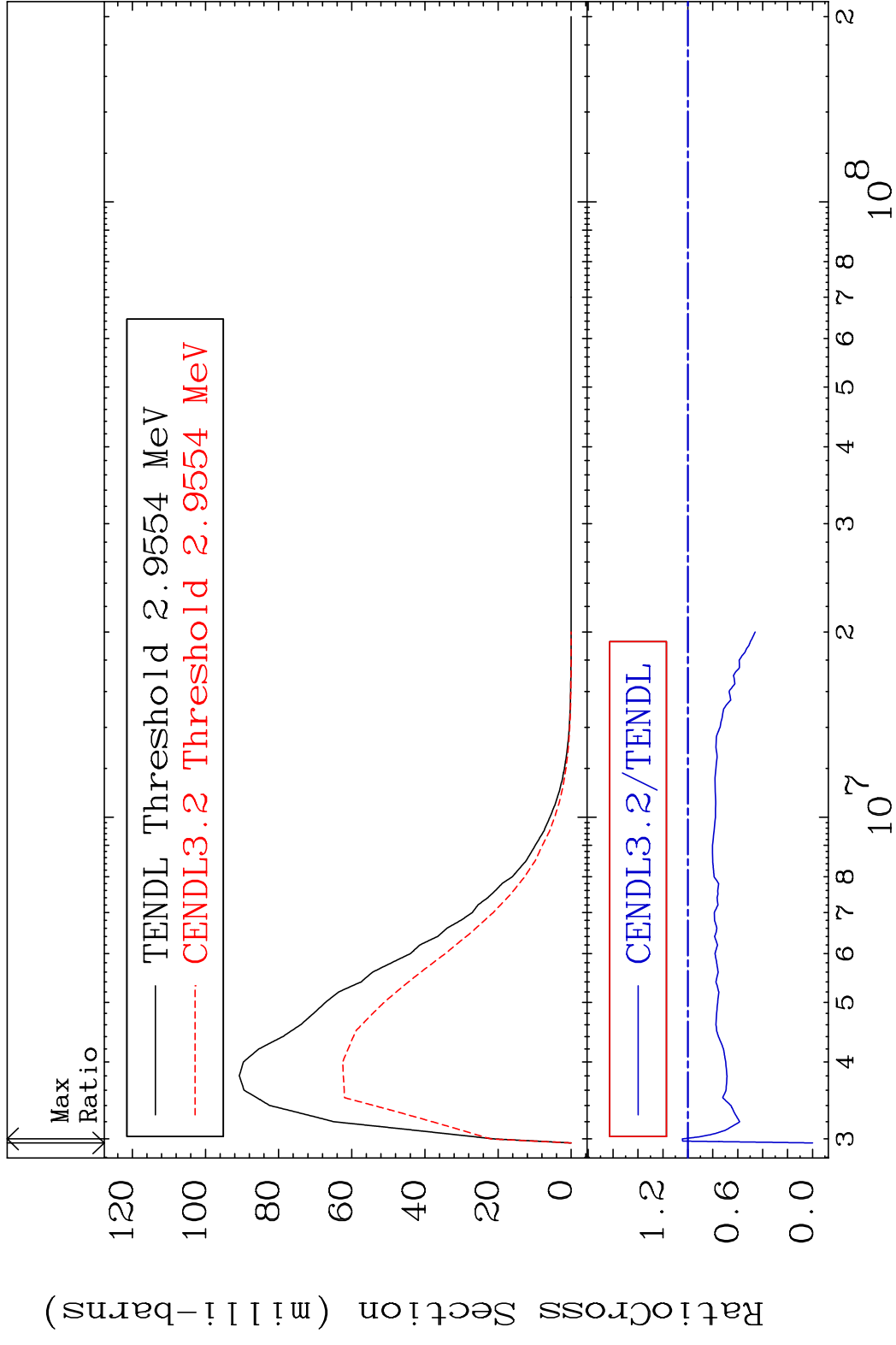
MAT 1628 MT= 52 (n,n') Level 16-S -33
 Cross Section -55.69 To -14.13%



MAT 1628 MT= 53 (n, n') Level 16-S -33
 Cross Section -100.0 To 0.075 %

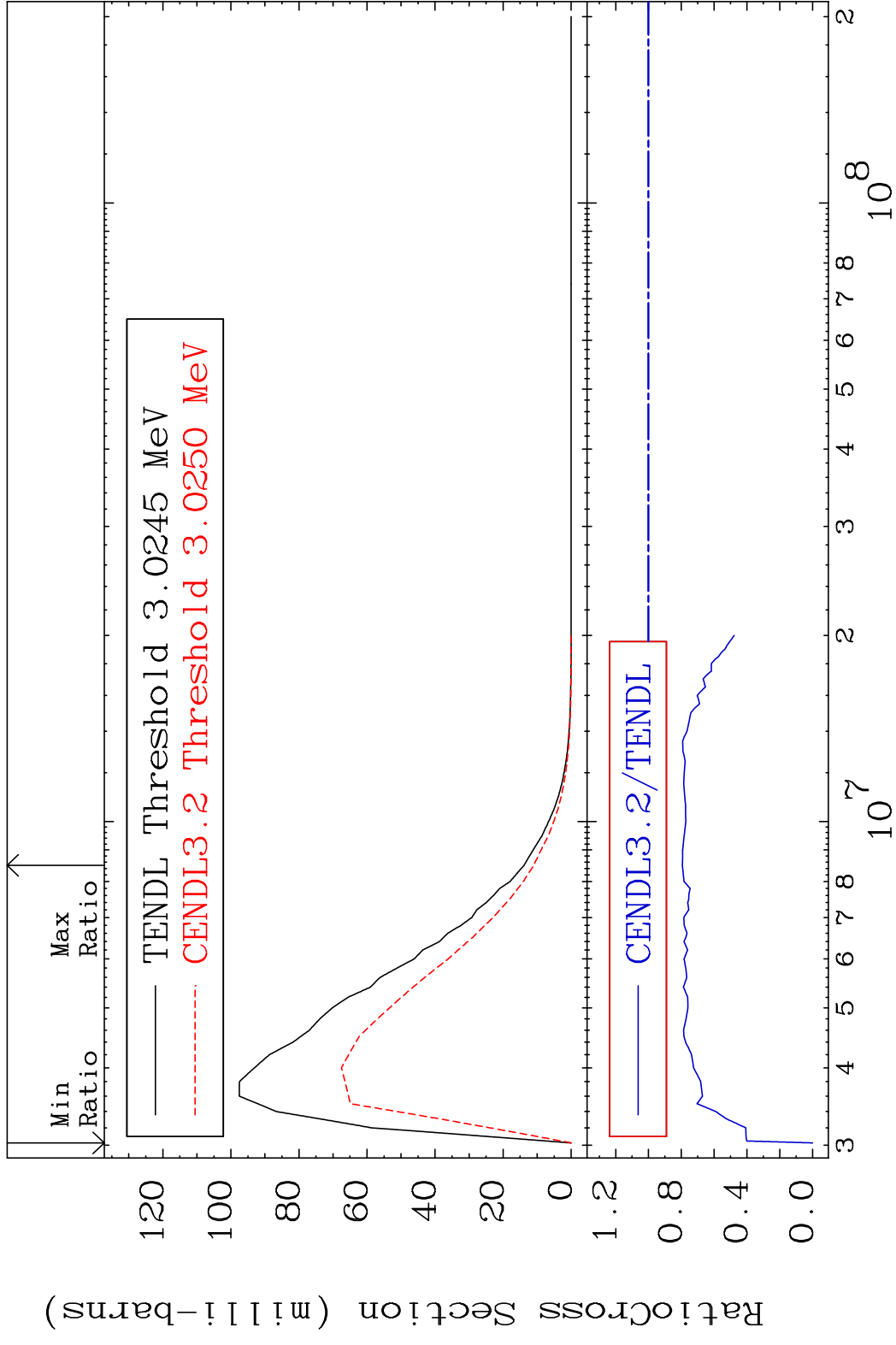


MAT 1628 MT= 54 (n,n') Level 16-S -33
 Cross Section -100.0 To 4.437 %

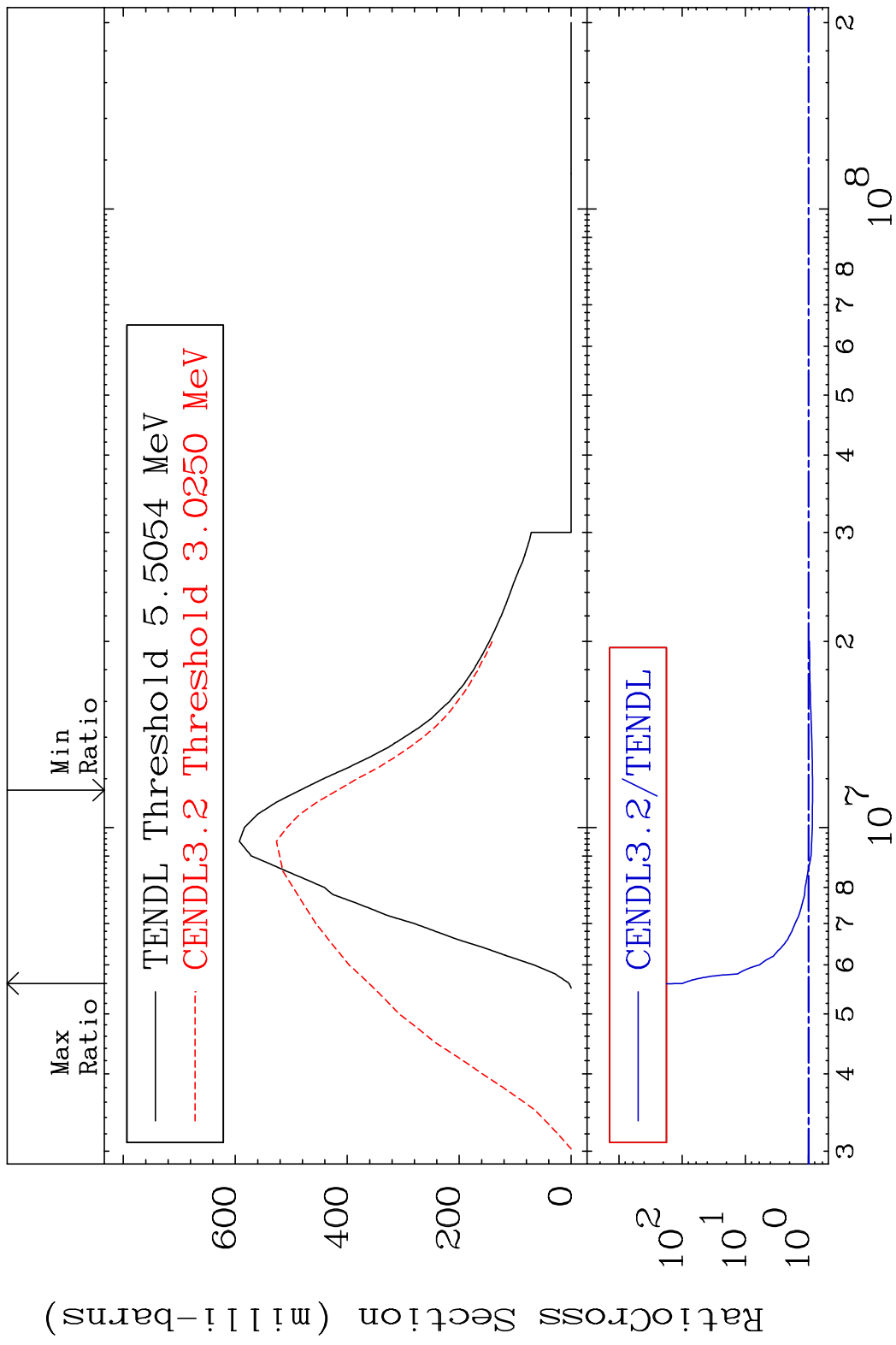


10 Incident Energy (eV) 16-S -33

MAT 1628 MT= 55 (n,n') Level 16-S -33
 Cross Section -100.0 To -20.64%



MAT 1628 (n,n') Continuum 16-S -33
 Cross Section -13.83 To 9824. %

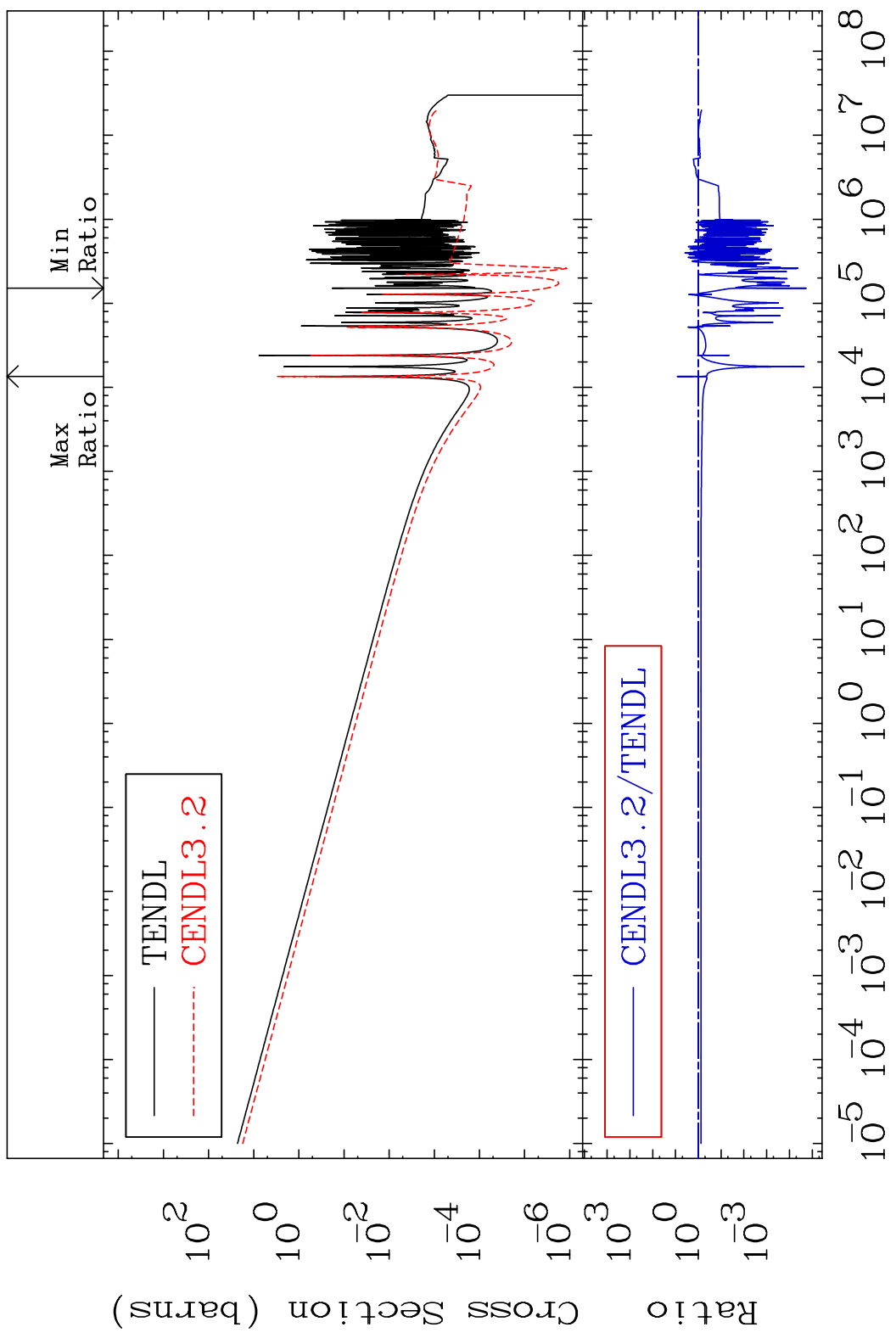


MAT 1628

(n, γ)

16-S -33

Cross Section -100.0 To 742.4 %



13

Incident Energy (eV)

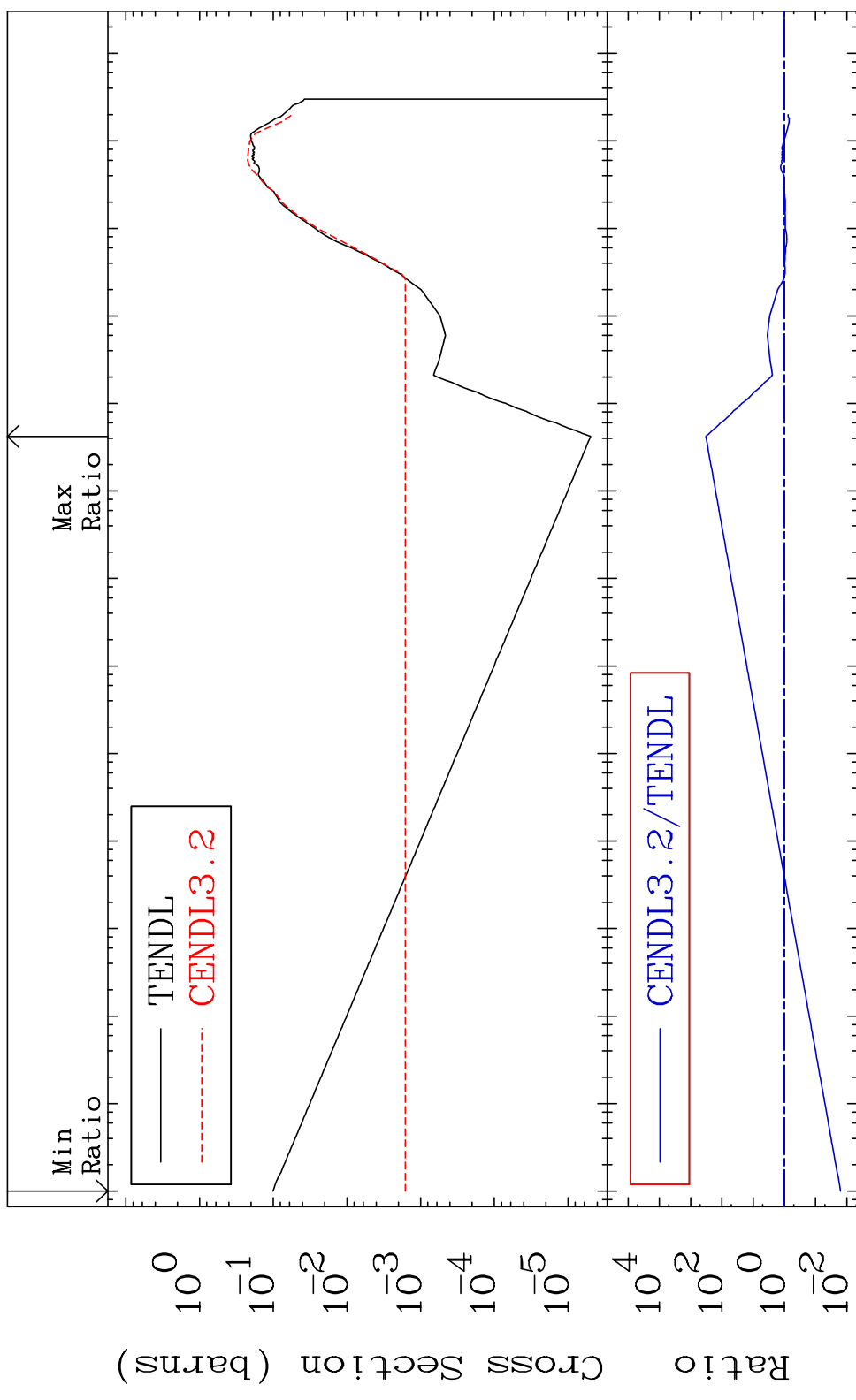
16-S -33

MAT 1628

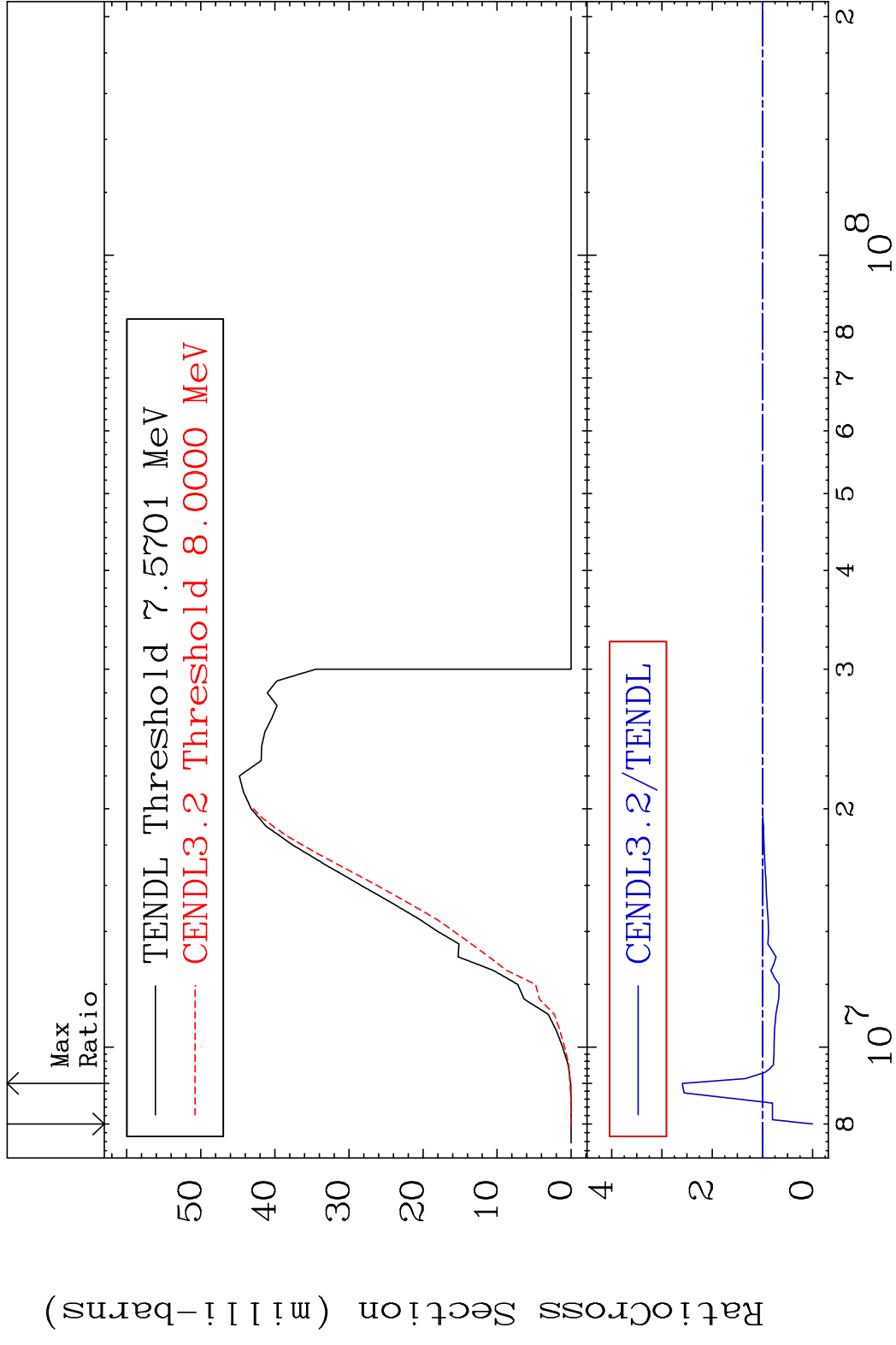
(n, p)

16-S -33

Cross Section -98.40 To 9999. %



MAT 1628 (n,d) 16-S -33
 Cross Section -100.0 To 159.3 %



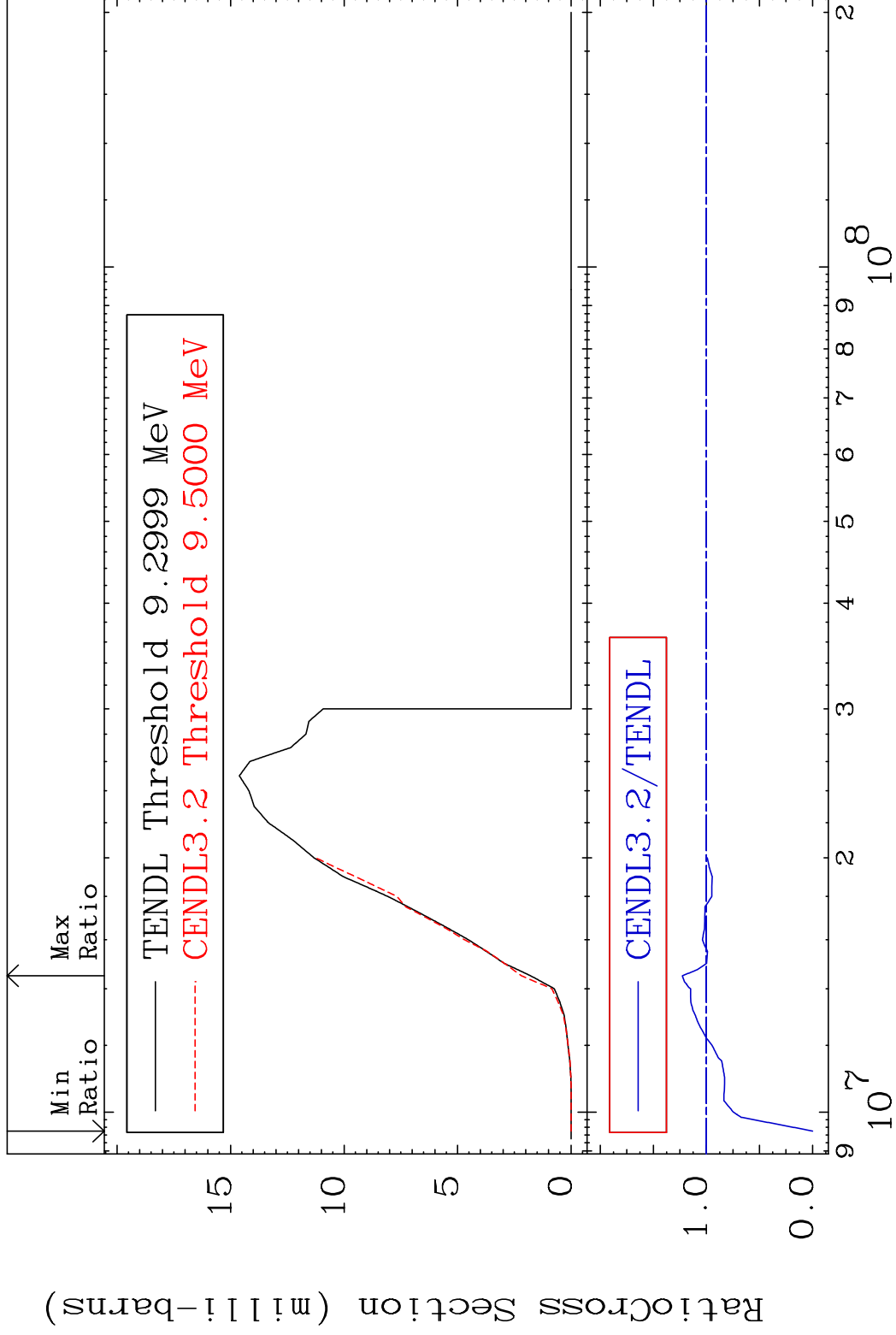
15 16-S -33

MAT 1628

(n, t)

16-S -33

Cross Section -100.0 To 22.66 %

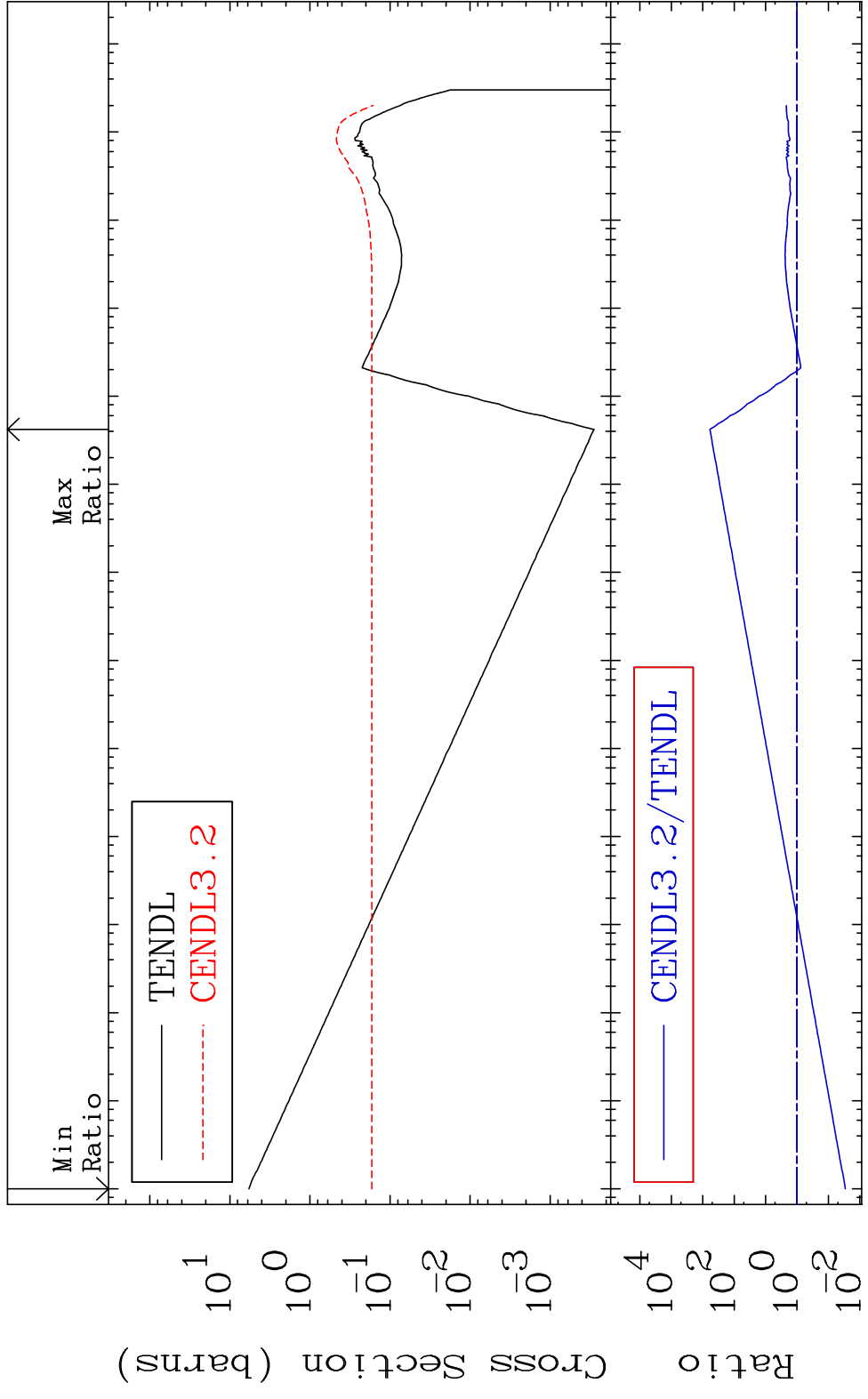


16

Incident Energy (eV)

16-S -33

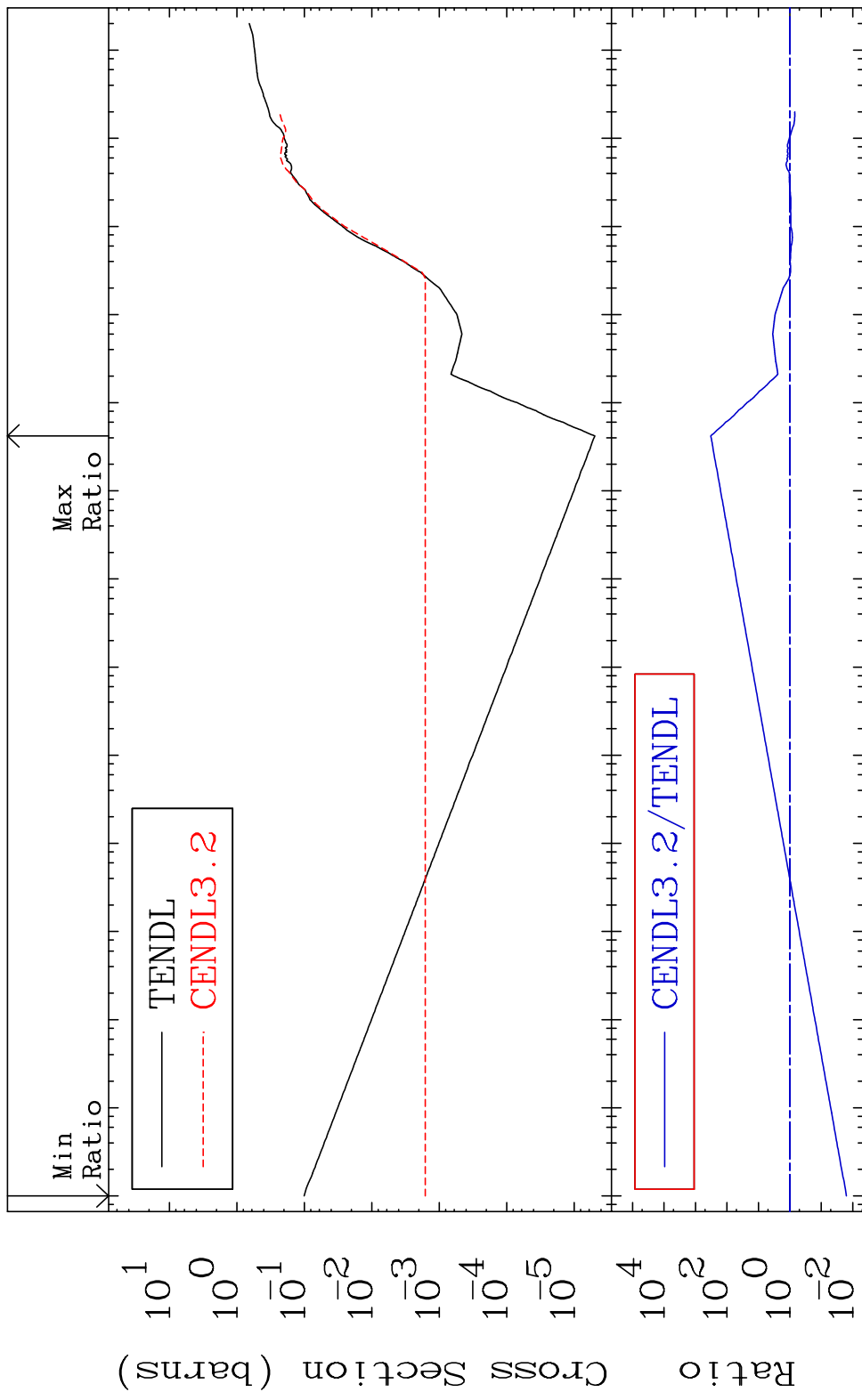
MAT 1628 (n, α) Cross Section -97.08 To 9999. % 16-S -33



10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

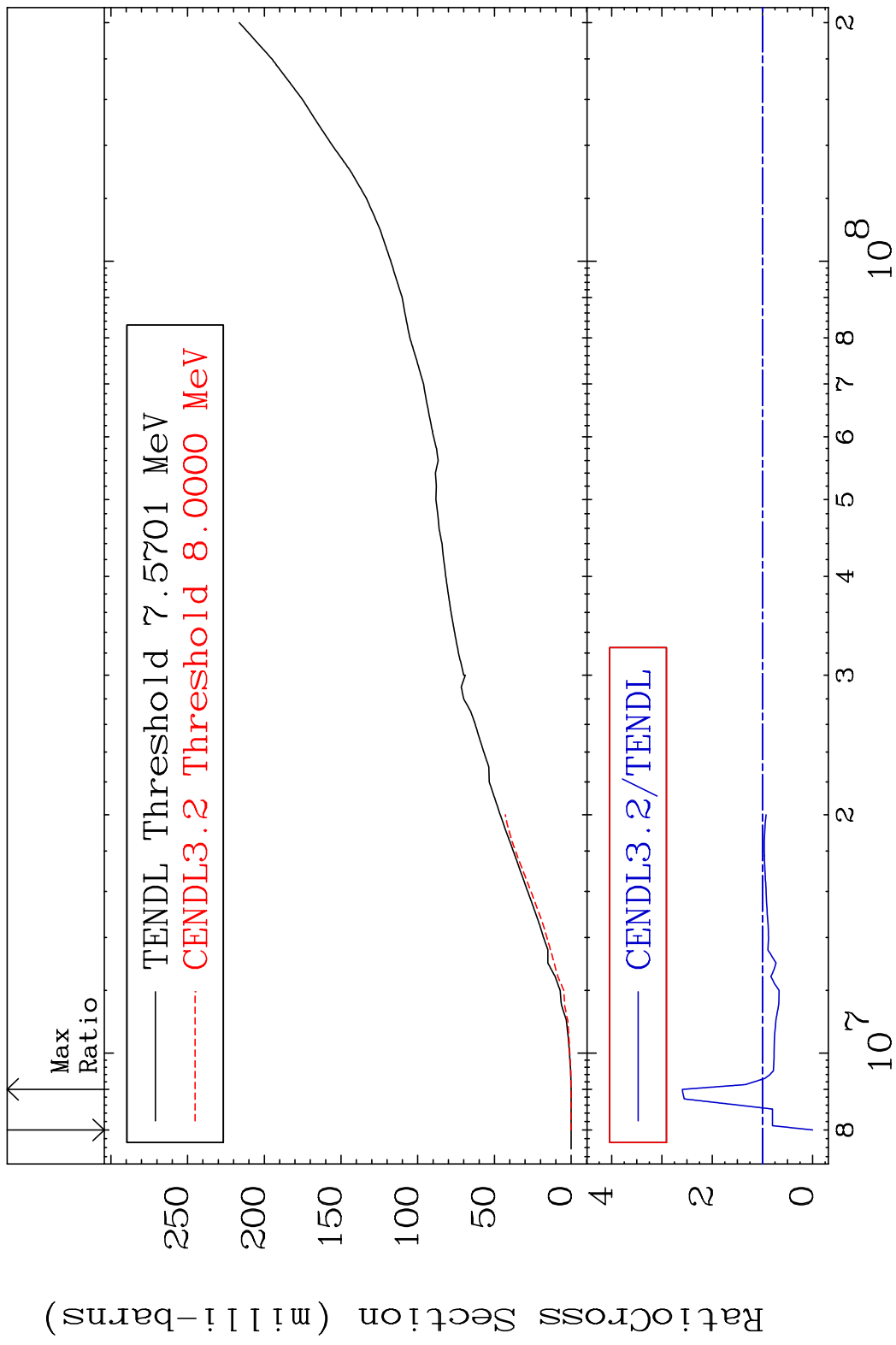
Ratio Cross Section (barns) Incident Energy (eV) 16-S -33

MAT 1628 Hydrogen Production Cross Section -98.40 To 9999. % 16-S -33



18 Incident Energy (eV) 16-S -33

MAT 1628 Deuterium Production 16-S -33
 Cross Section -100.0 To 159.3 %

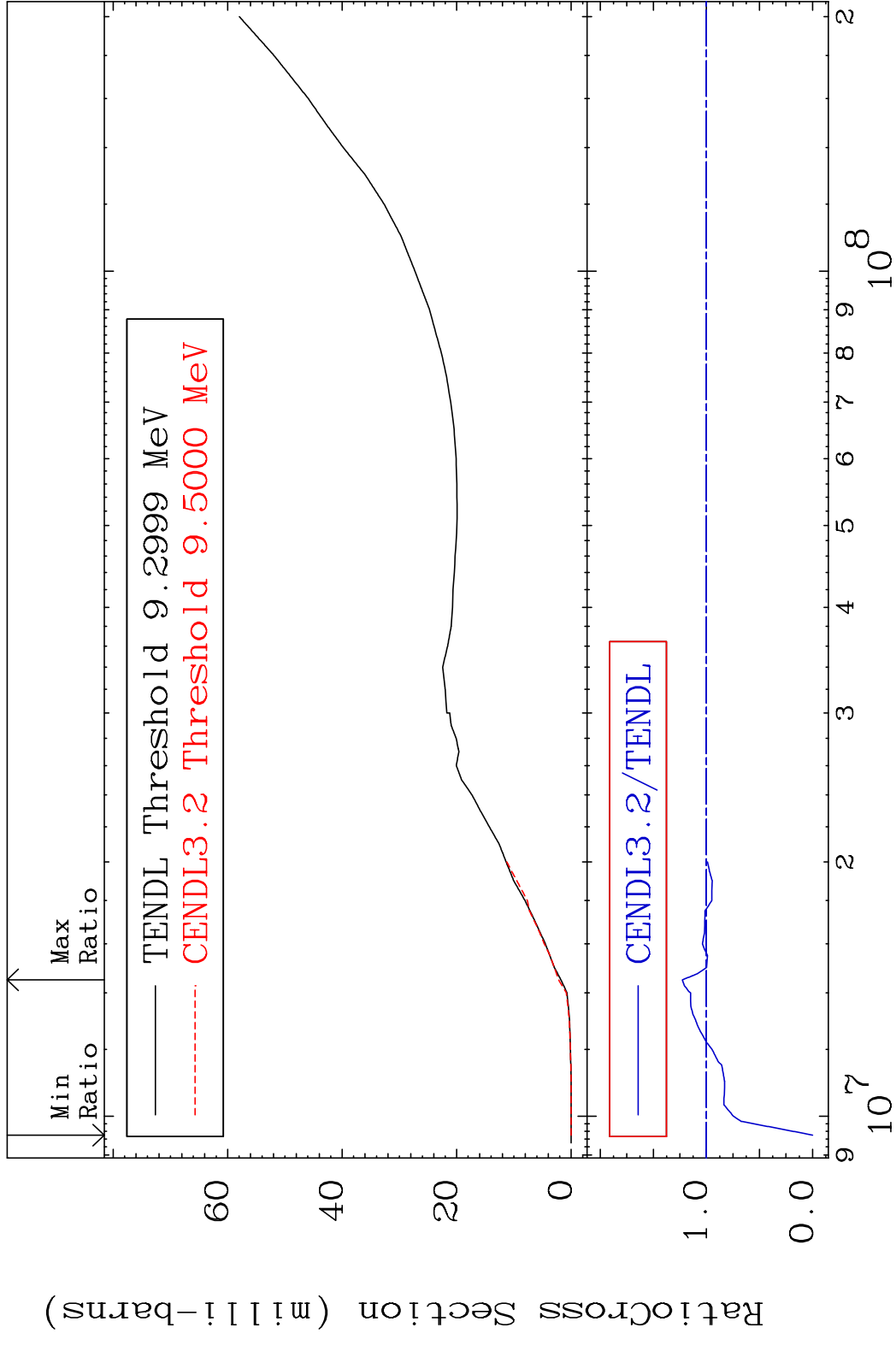


19 16-S -33

MAT 1628

Tritium Production 16-S -33

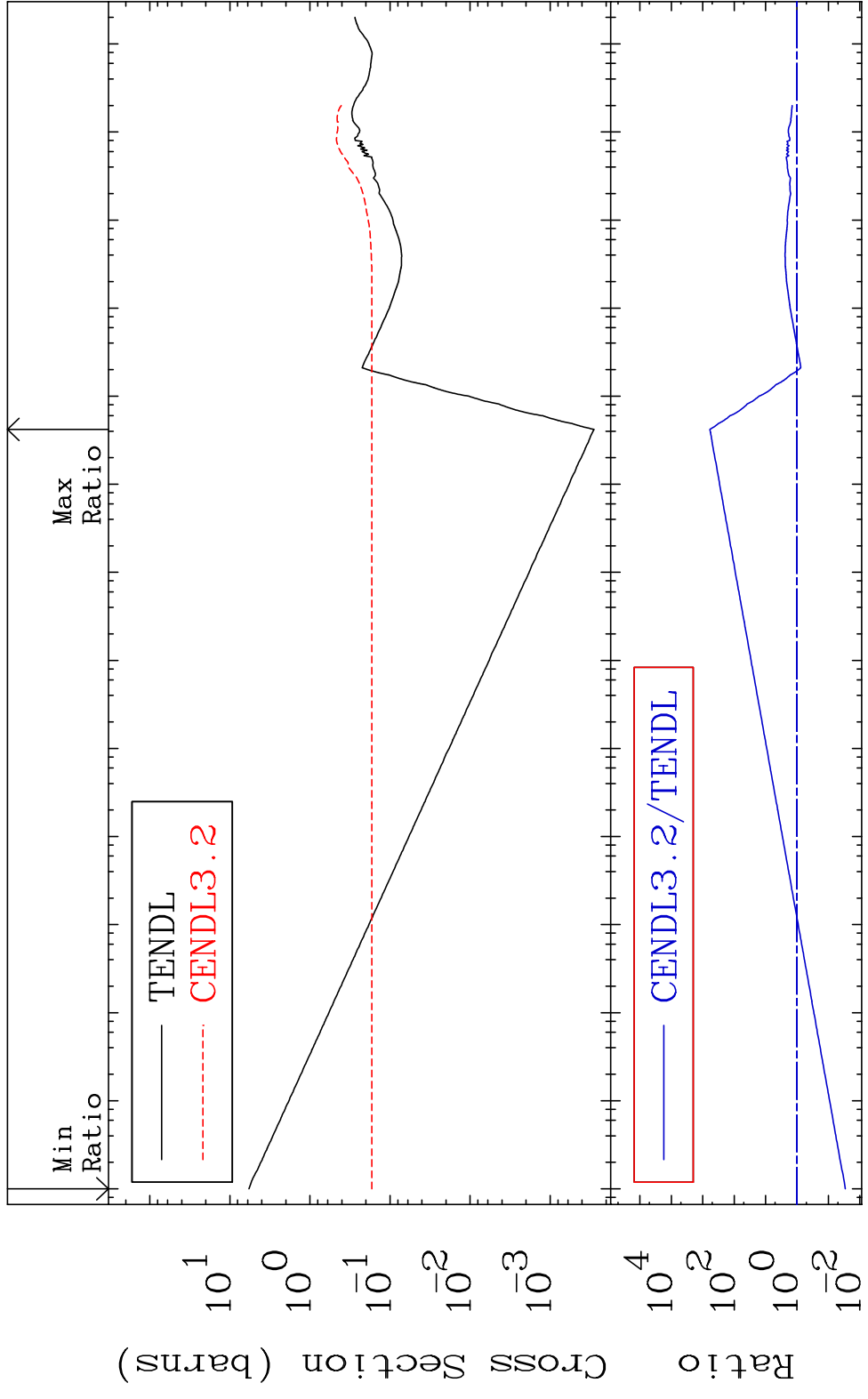
Cross Section -100.0 To 22.66 %



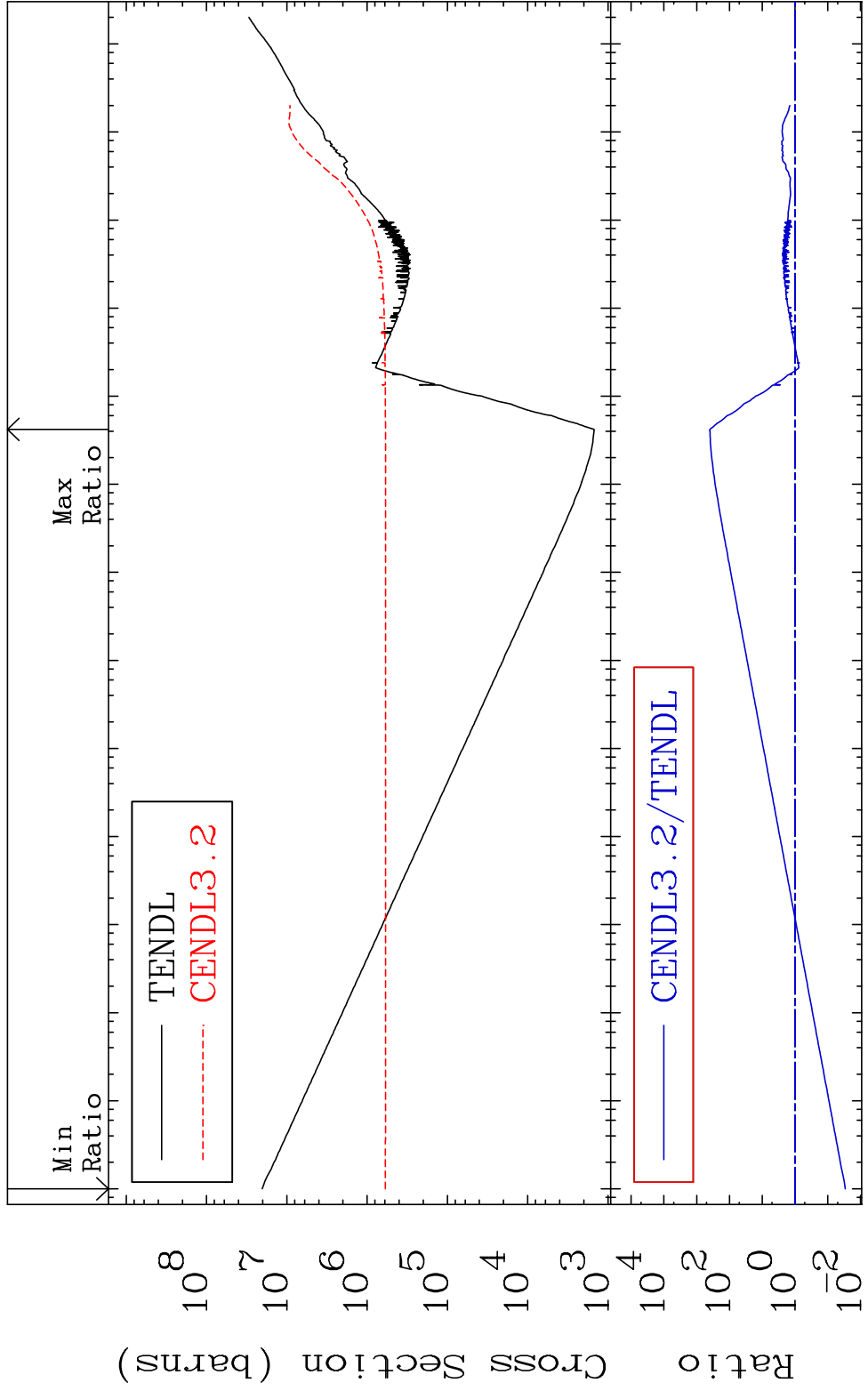
20

16-S -33

MAT 1628 He-4 Production 16-S -33
 Cross Section -97.08 To 9999. %



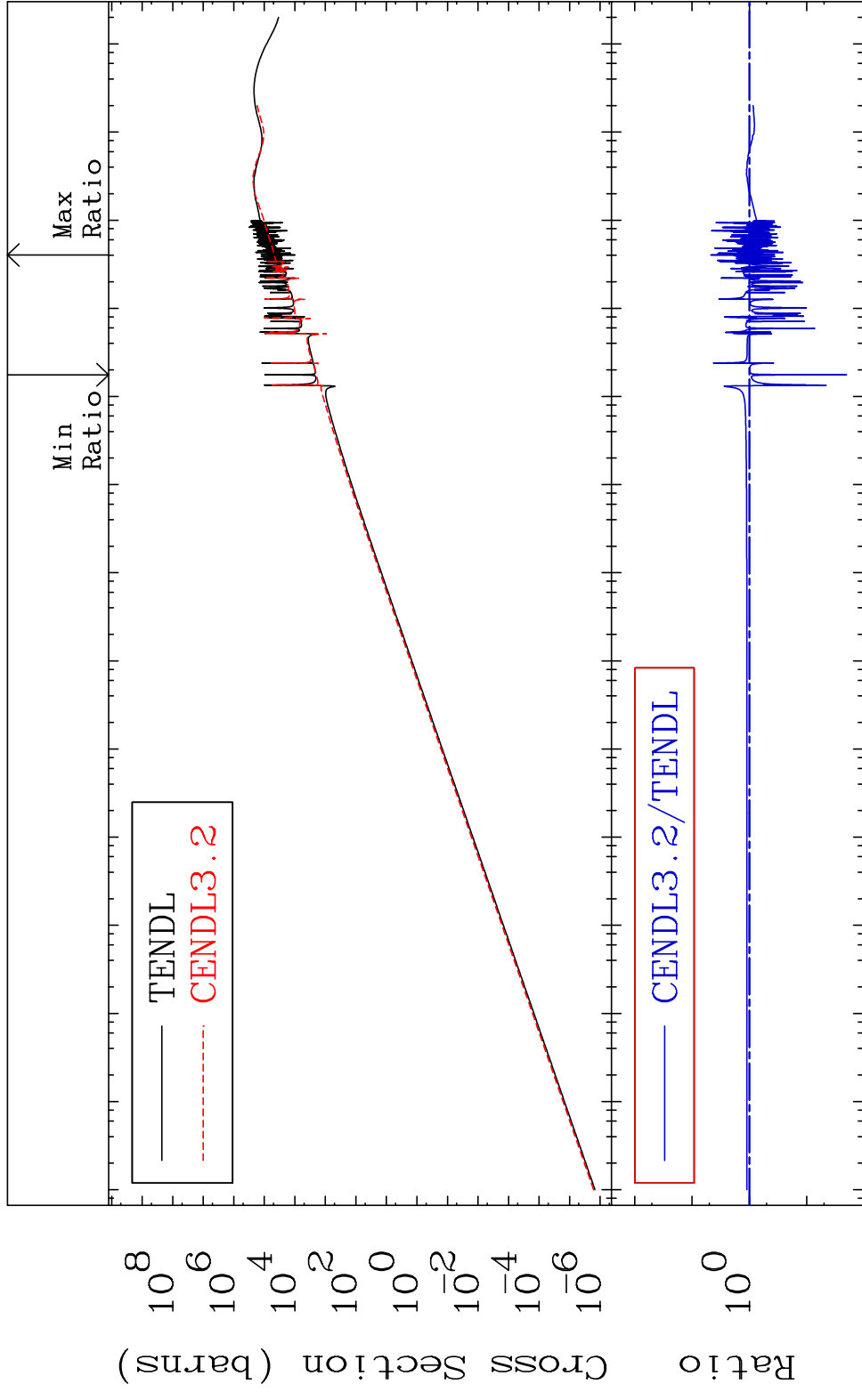
MAT 1628 Kerma total (eV-barns) 16-S -33
 Cross Section -97.07 To 9999. %



MAT 1628

Kerma elastic
Cross Section

16-S -33
-97.96 To 371.7 %

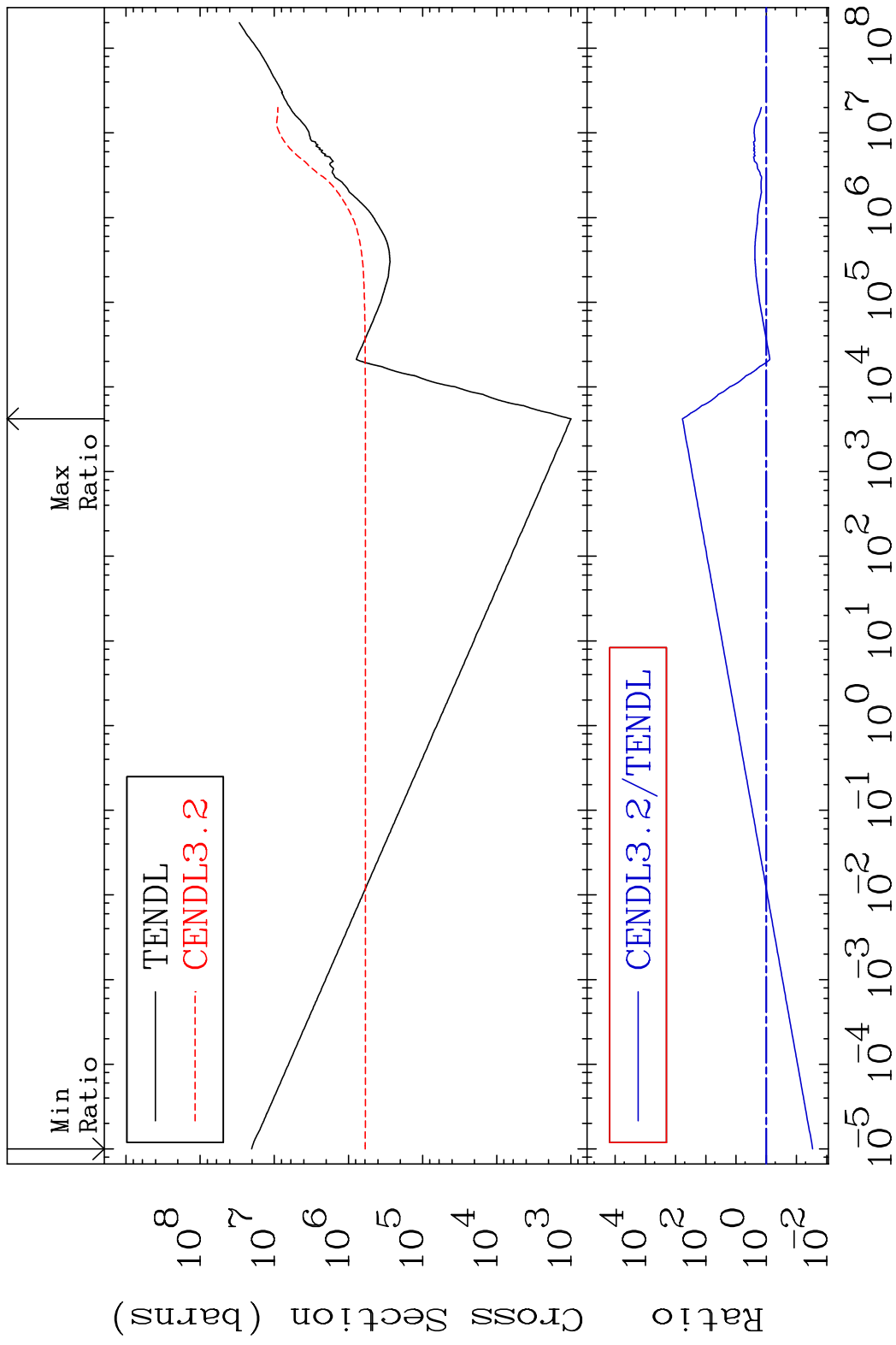


23

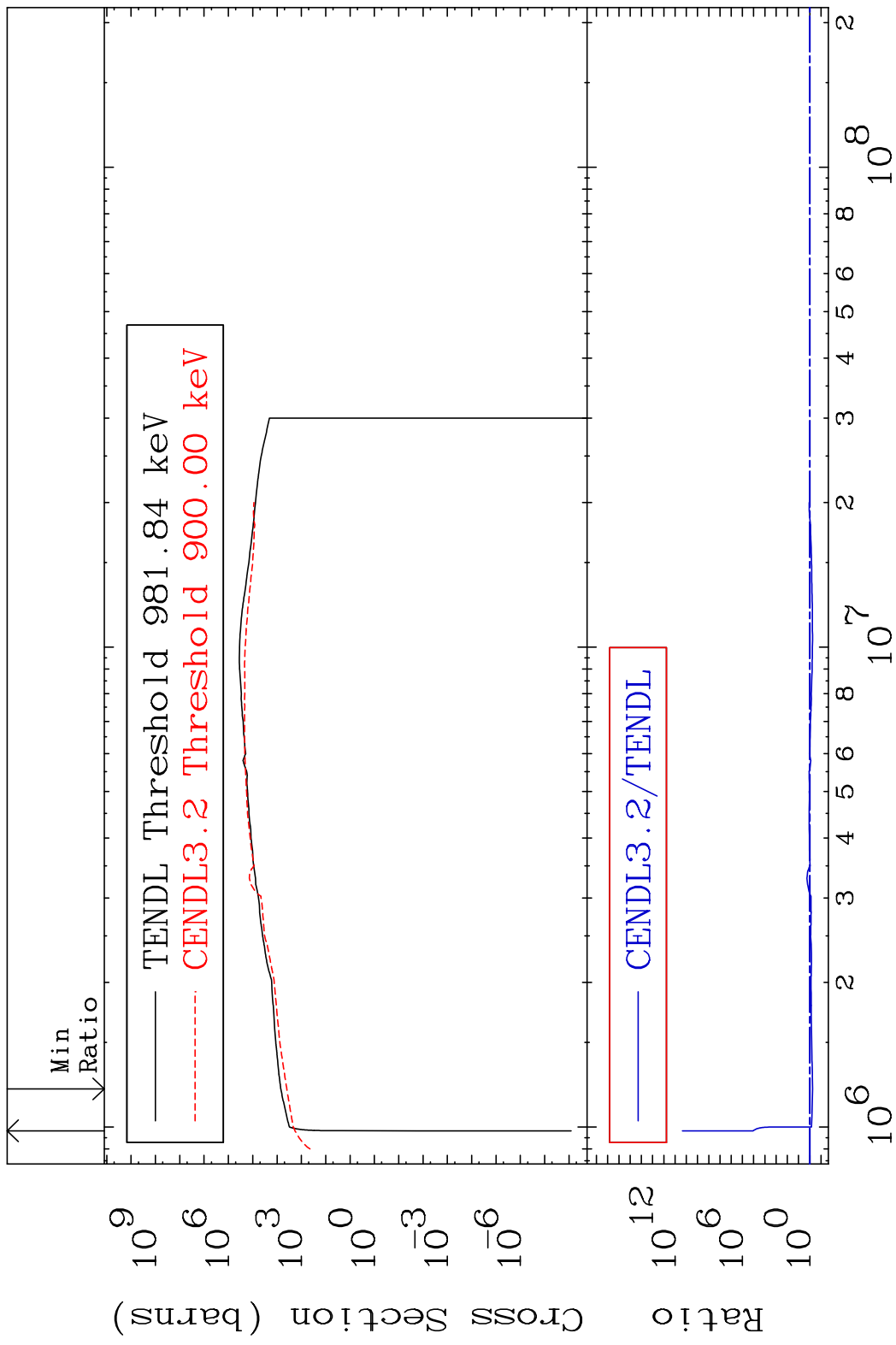
Incident Energy (eV)

16-S -33

MAT 1628 Kerma non-elastic (all but mt2) 16-S -33
 Cross Section -97.07 To 9999. %

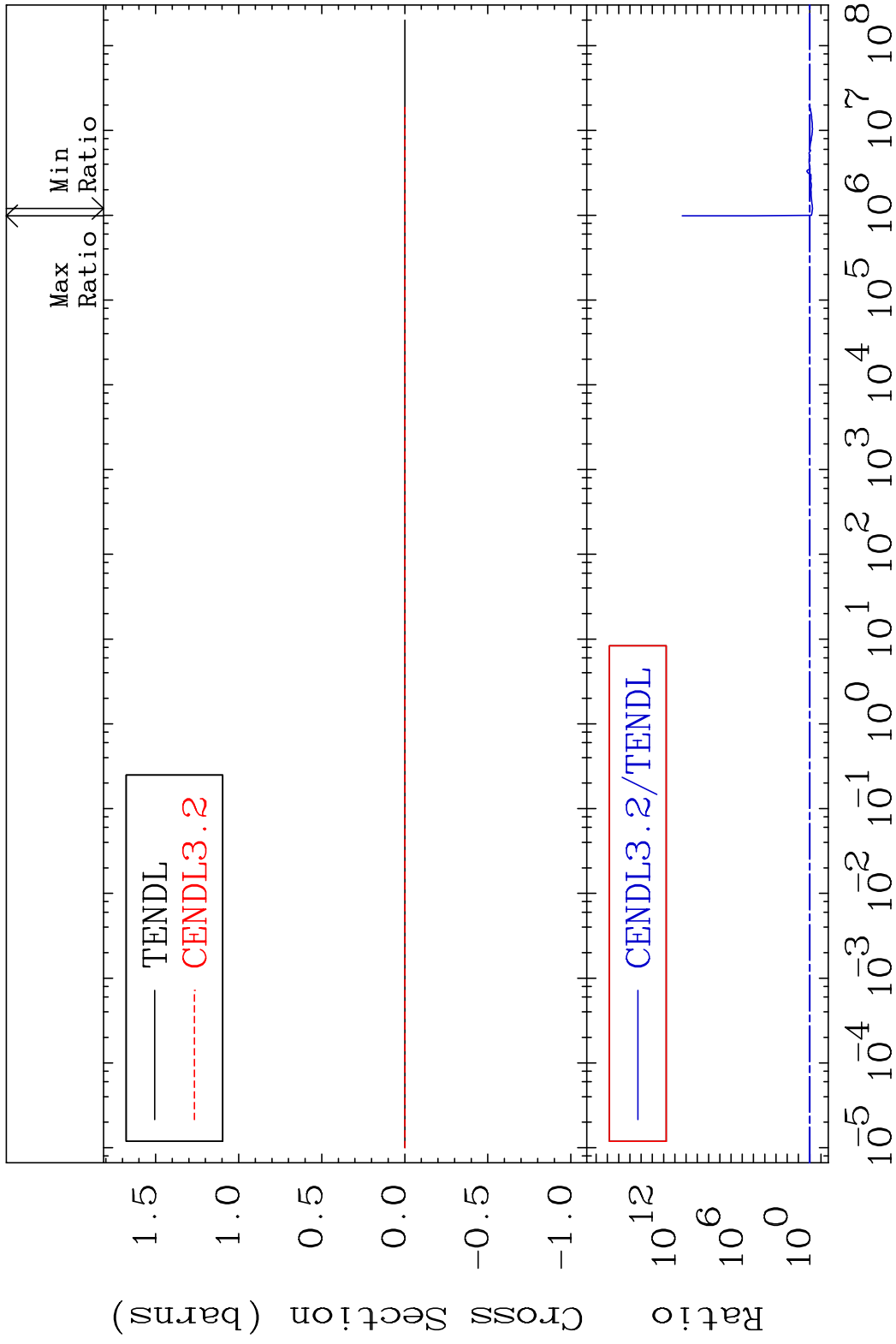


MAT 1628 Kerma inelastic (mt51-91) 16-S -33
 Cross Section -43.37 To 9999. %

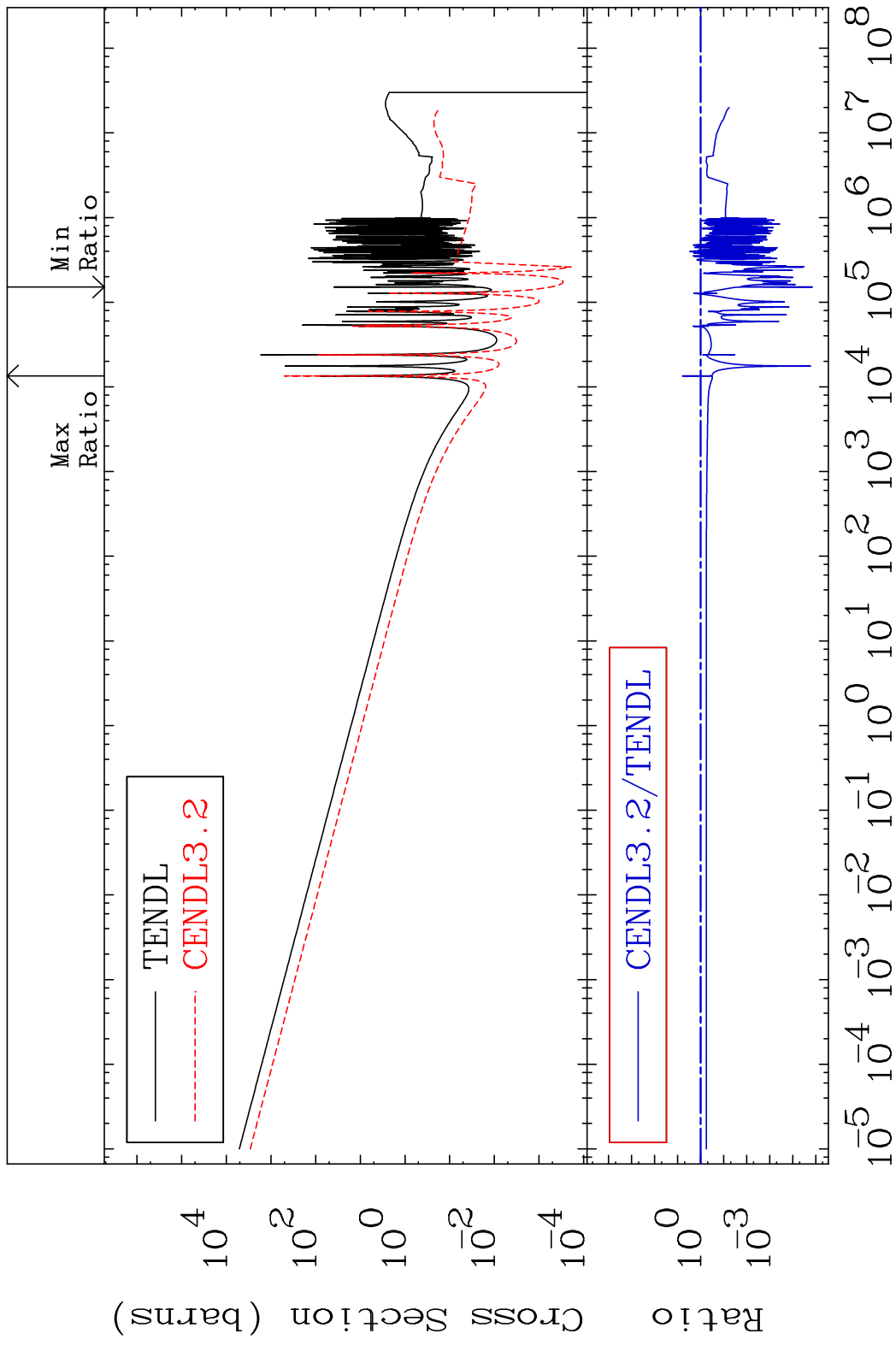


25 Incident Energy (eV) 16-S -33

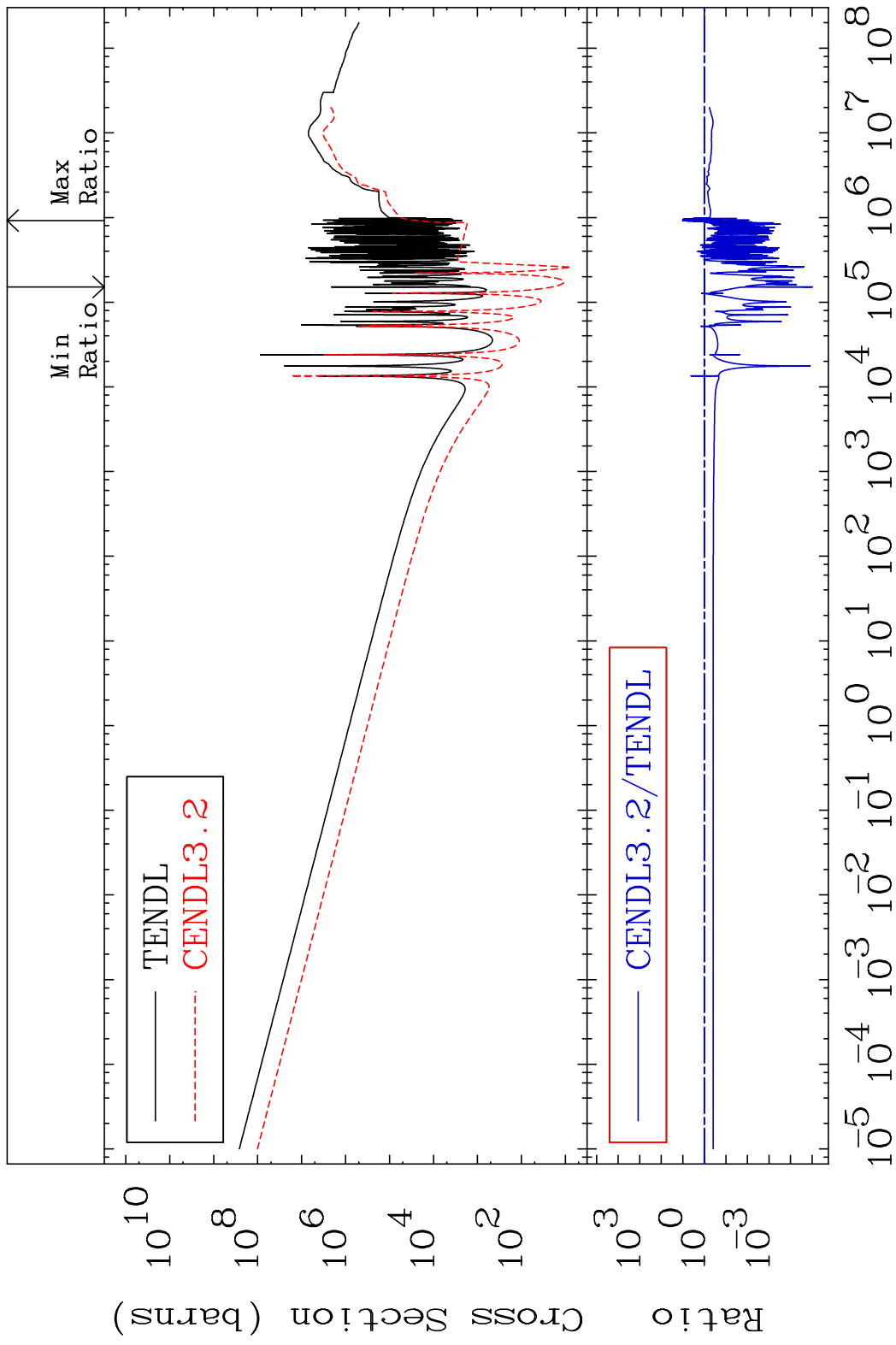
MAT 1628 Kerma fission (mt18 or mt19-20-21-38) 16-S -33
 Cross Section -43.37 To 9999. %



MAT 1628 Kerma capture (mt102) 16-S -33
 Cross Section -100.0 To 525.3 %

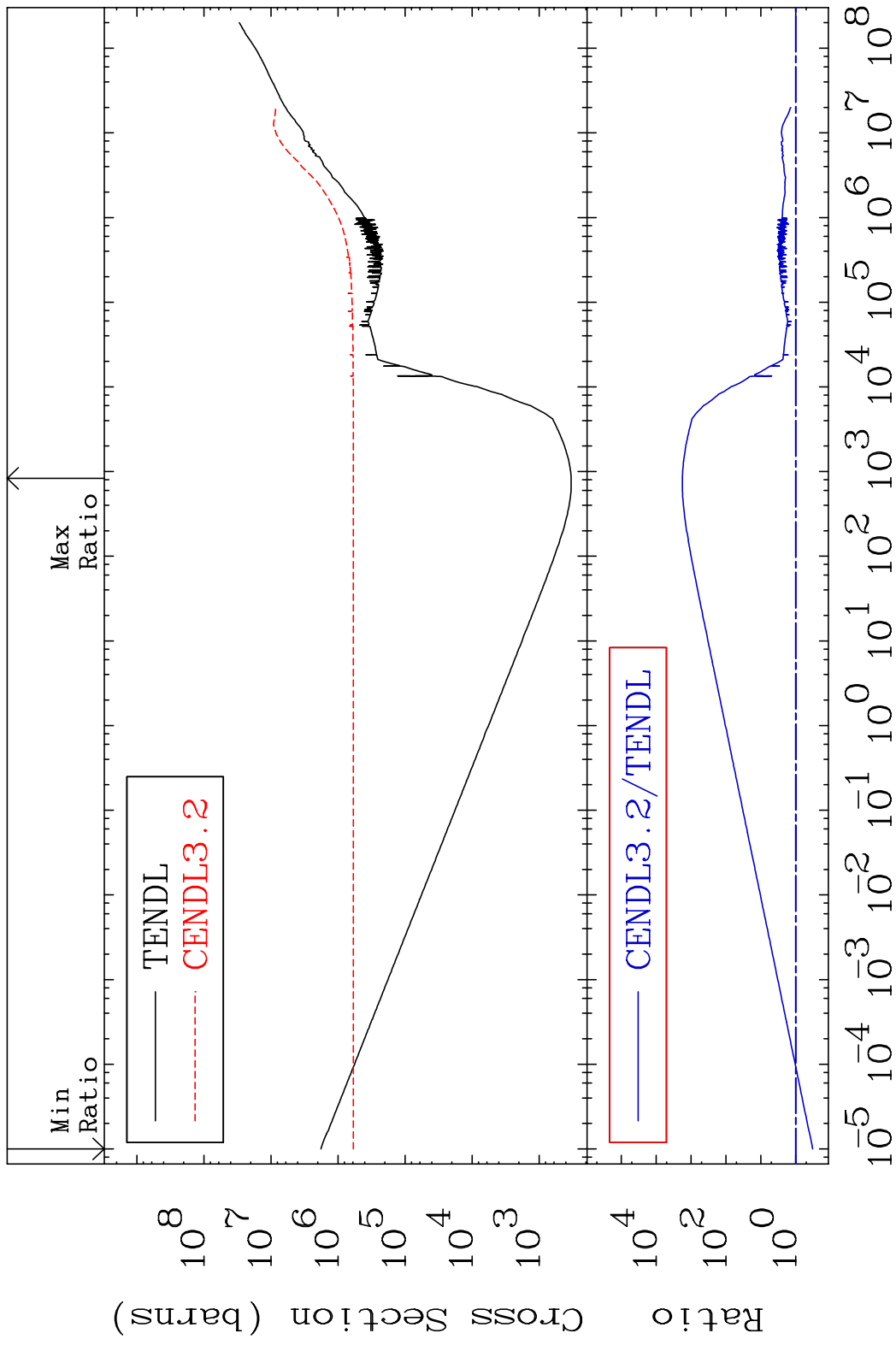


MAT 1628 Total photon (eV-barns) 16-S -33
 Cross Section -100.0 To 944.9 %

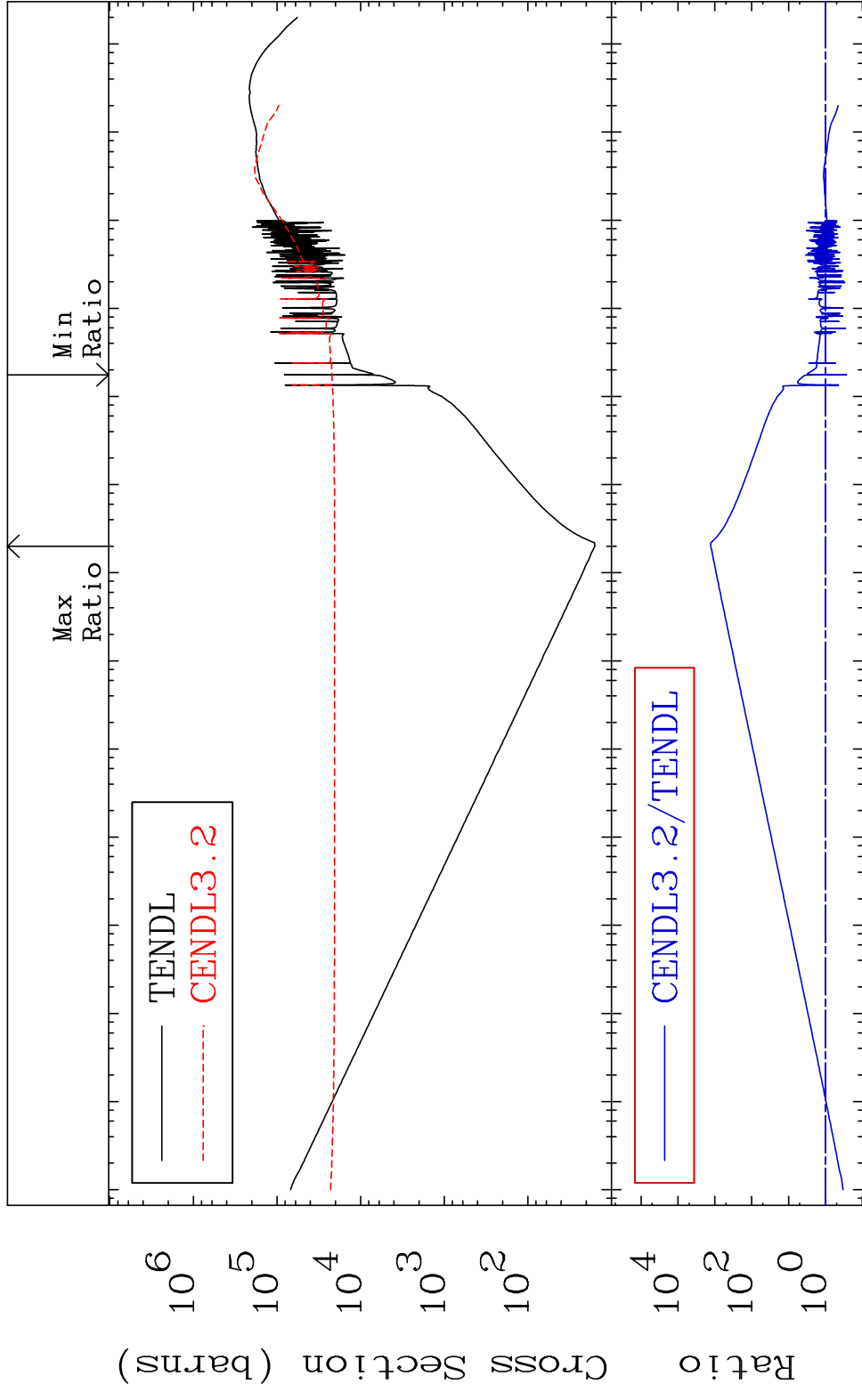


28 Incident Energy (eV) 16-S -33

MAT 1628 Total kinematic kerma (high limit) 16-S -33
 Cross Section -66.94 To 9999. %

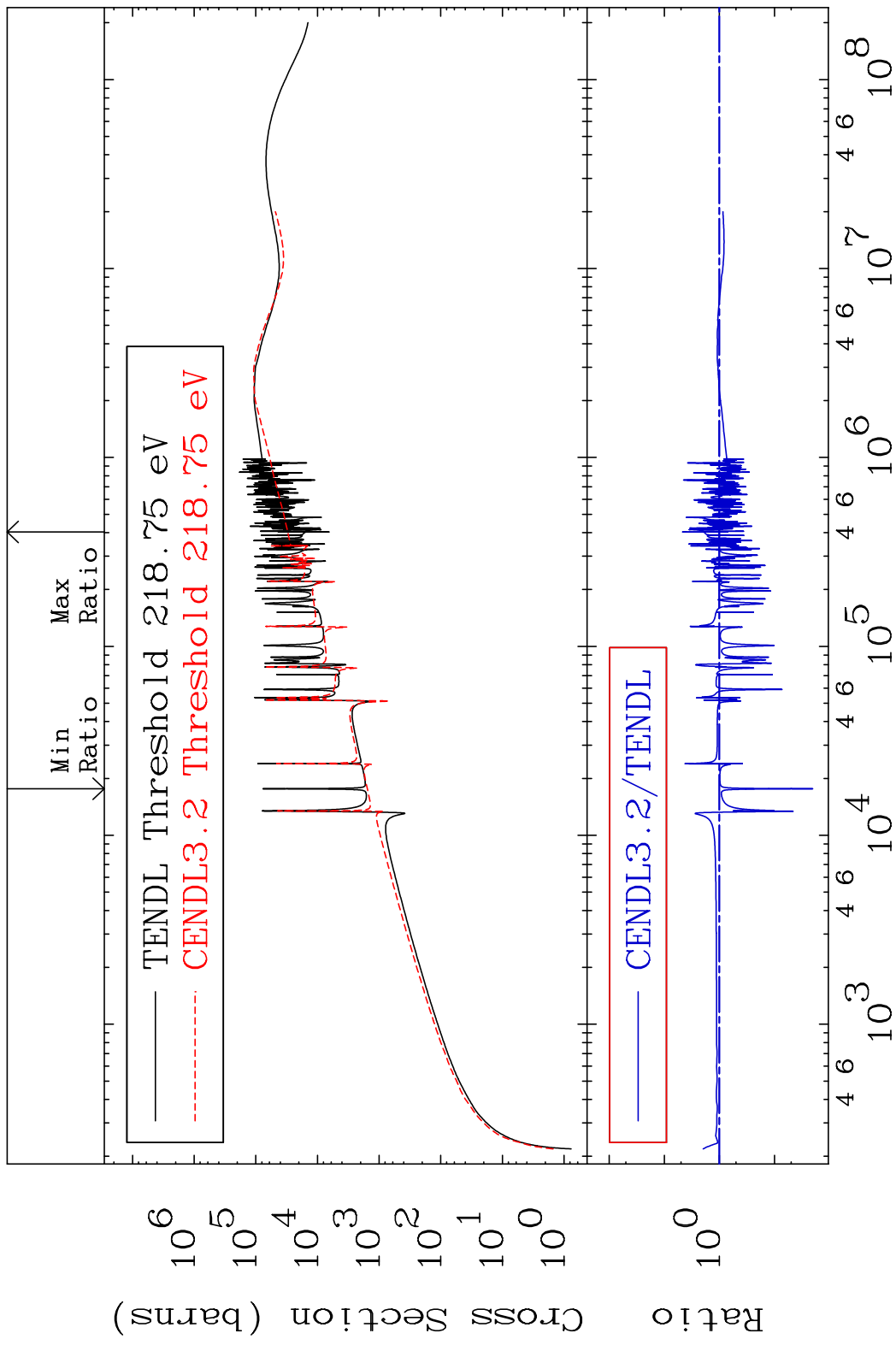


MAT 1628 Dpa total (eV-barns) 16-S -33
 Cross Section -72.86 To 9999. %

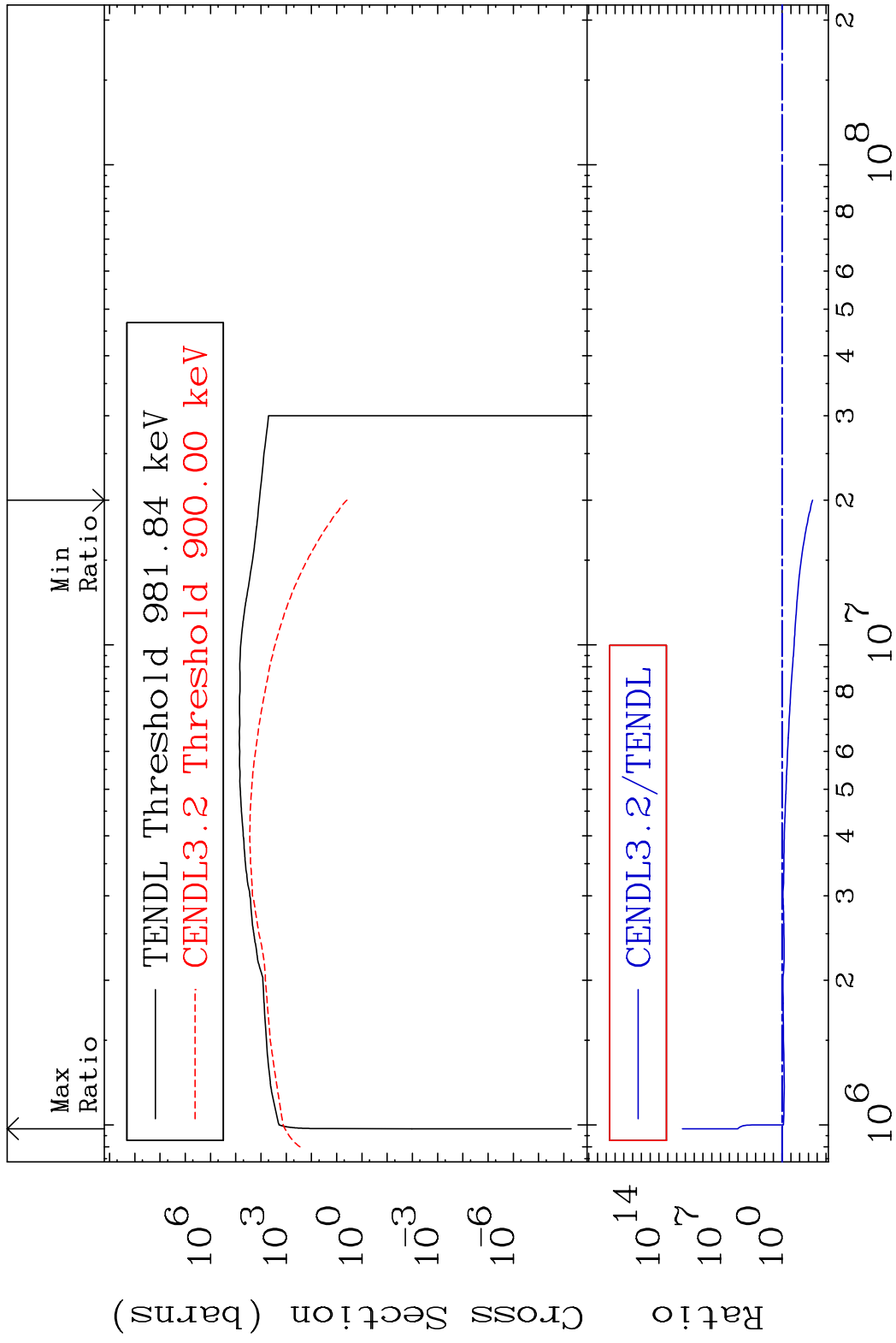


30 Incident Energy (eV) 16-S -33

MAT 1628 Dpa elastic (mt2) 16-S -33
 Cross Section -97.96 To 370.8 %

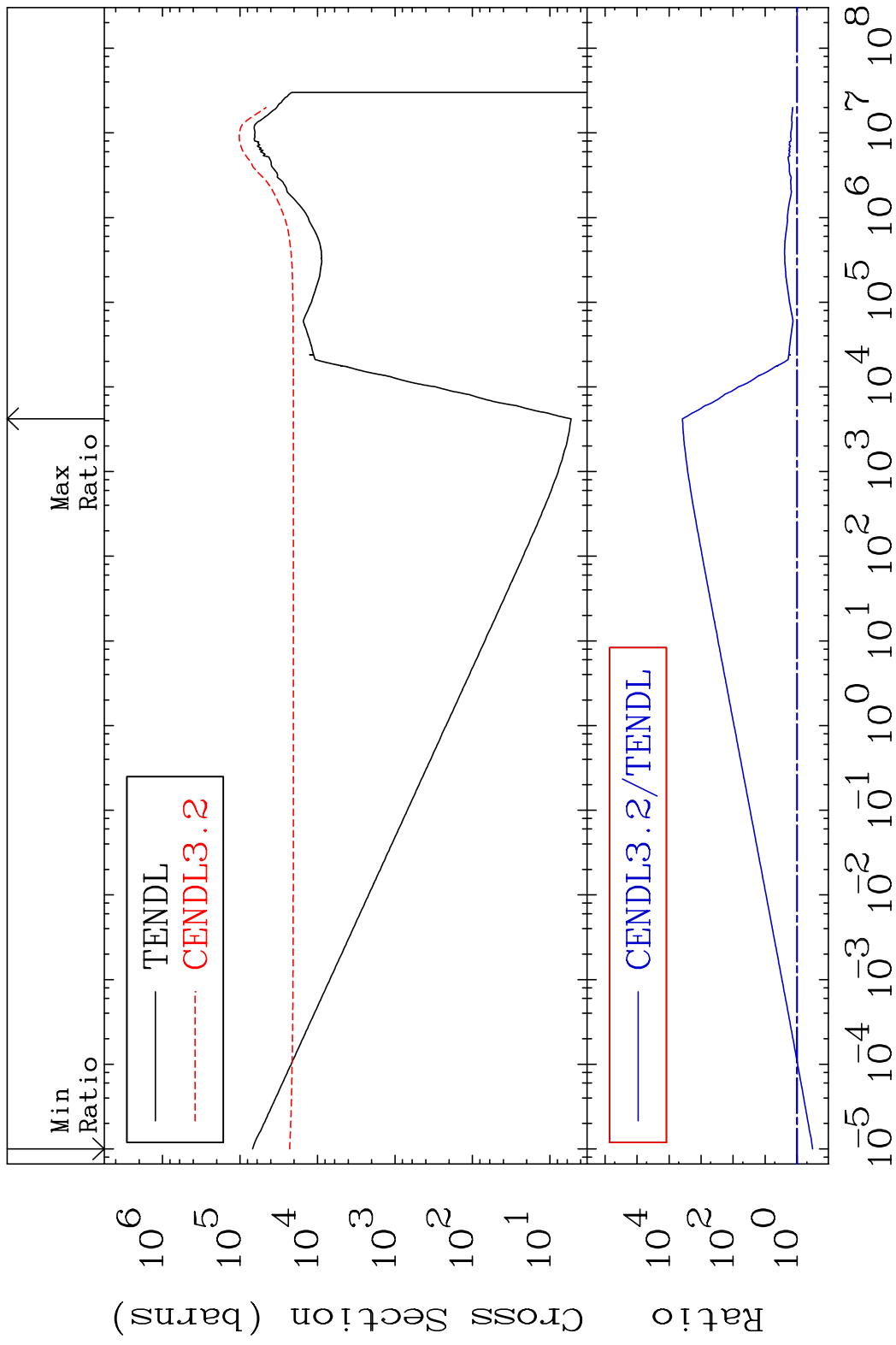


MAT 1628 Dpa inelastic (mt51-91) 16-S -33
 Cross Section -99.97 To 9999. %



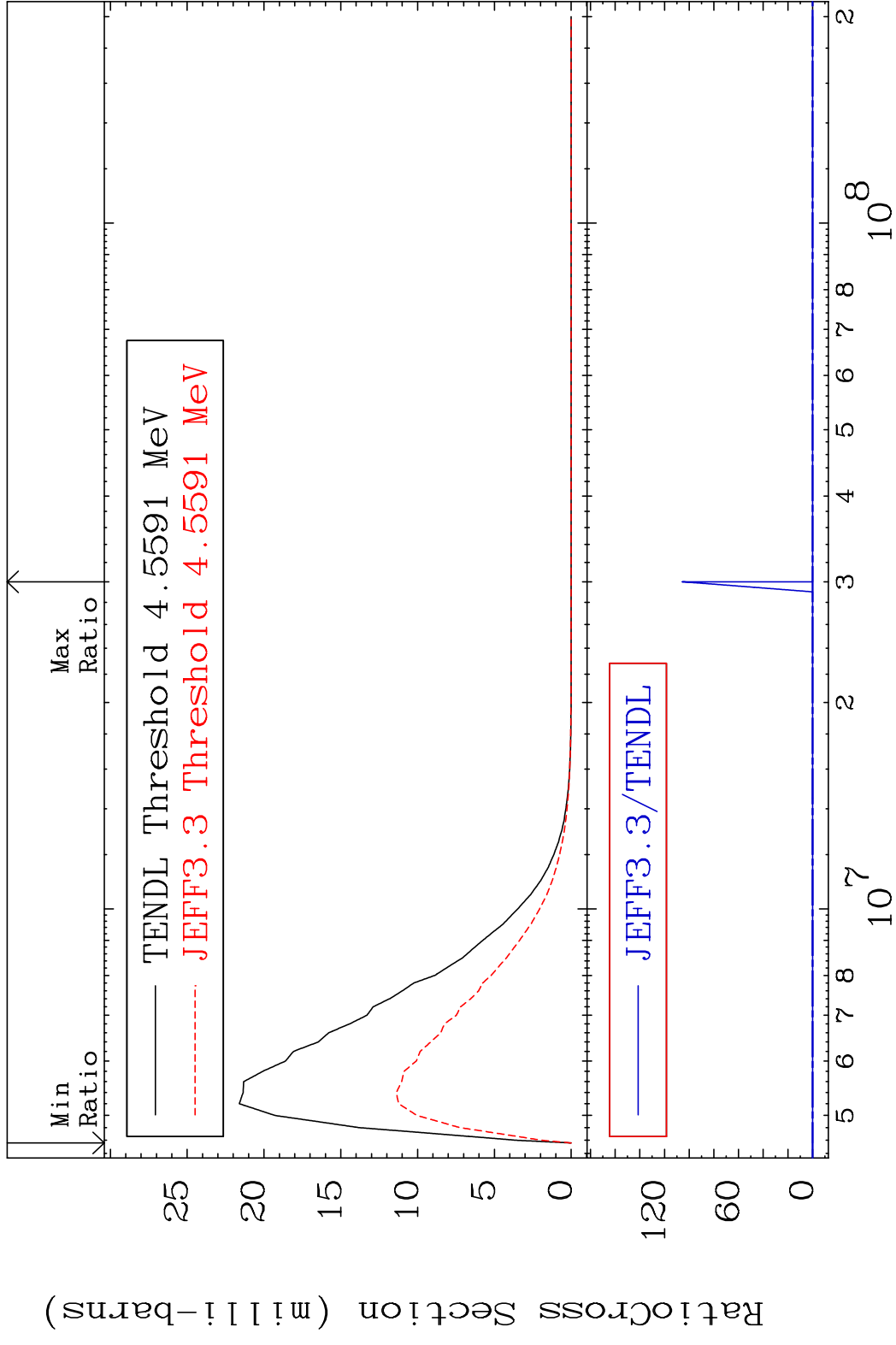
32 Incident Energy (eV) 16-S -33

MAT 1628 Dpa disappearance (mt102 -120) 16-S -33
 Cross Section -66.89 To 9999. %

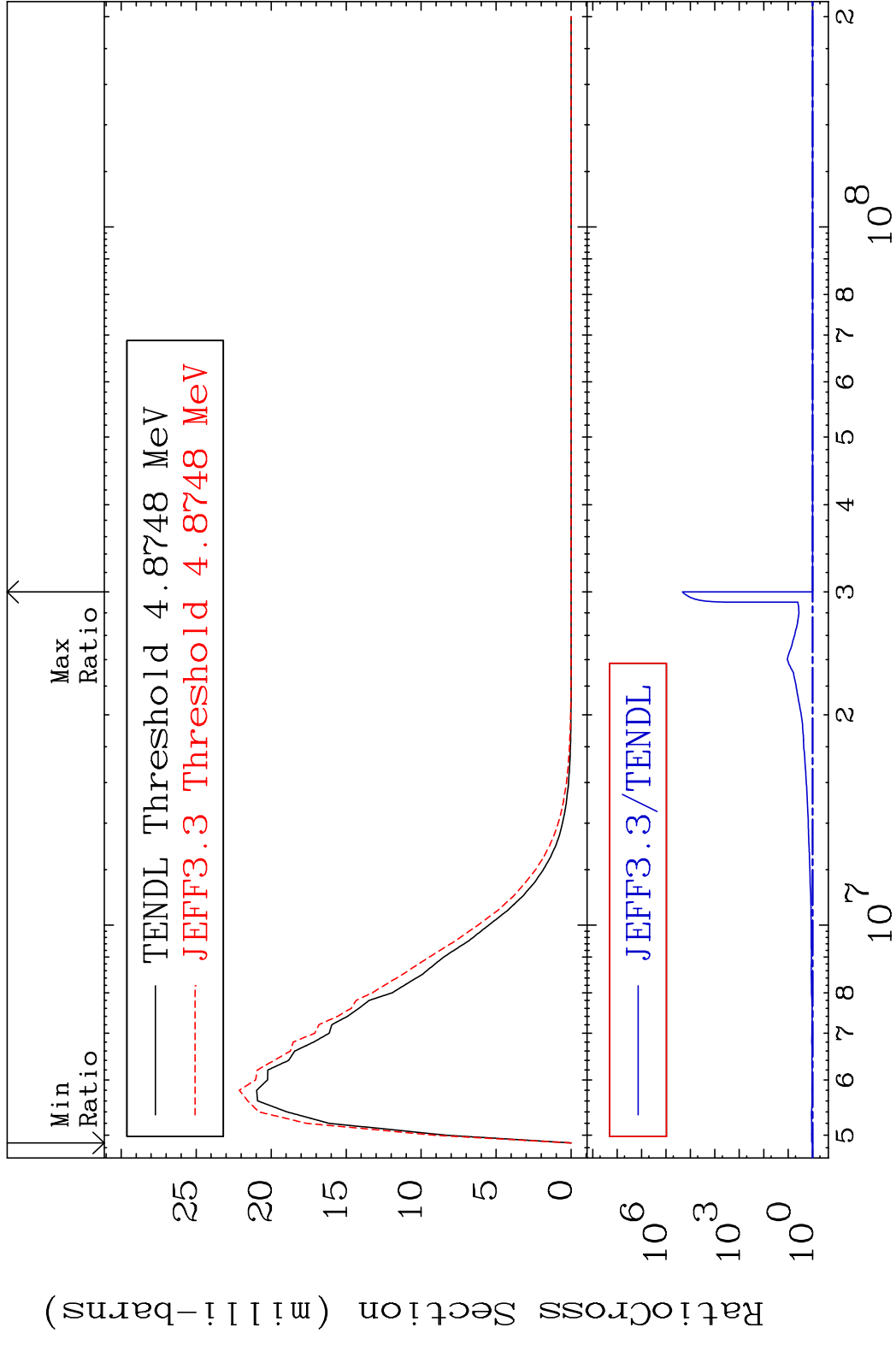


33 Incident Energy (eV) 16-S -33

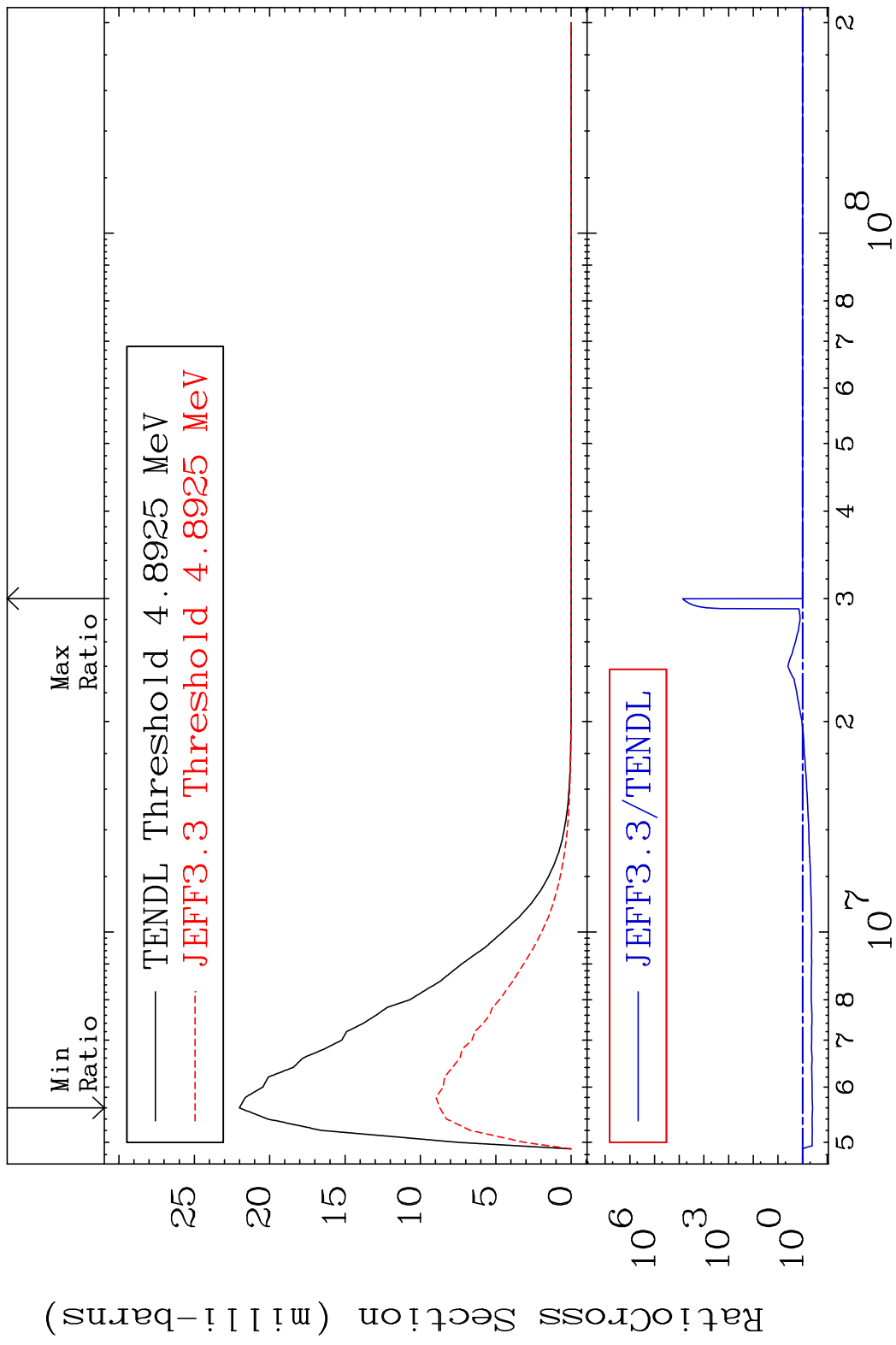
MAT 1628 MT= 68 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



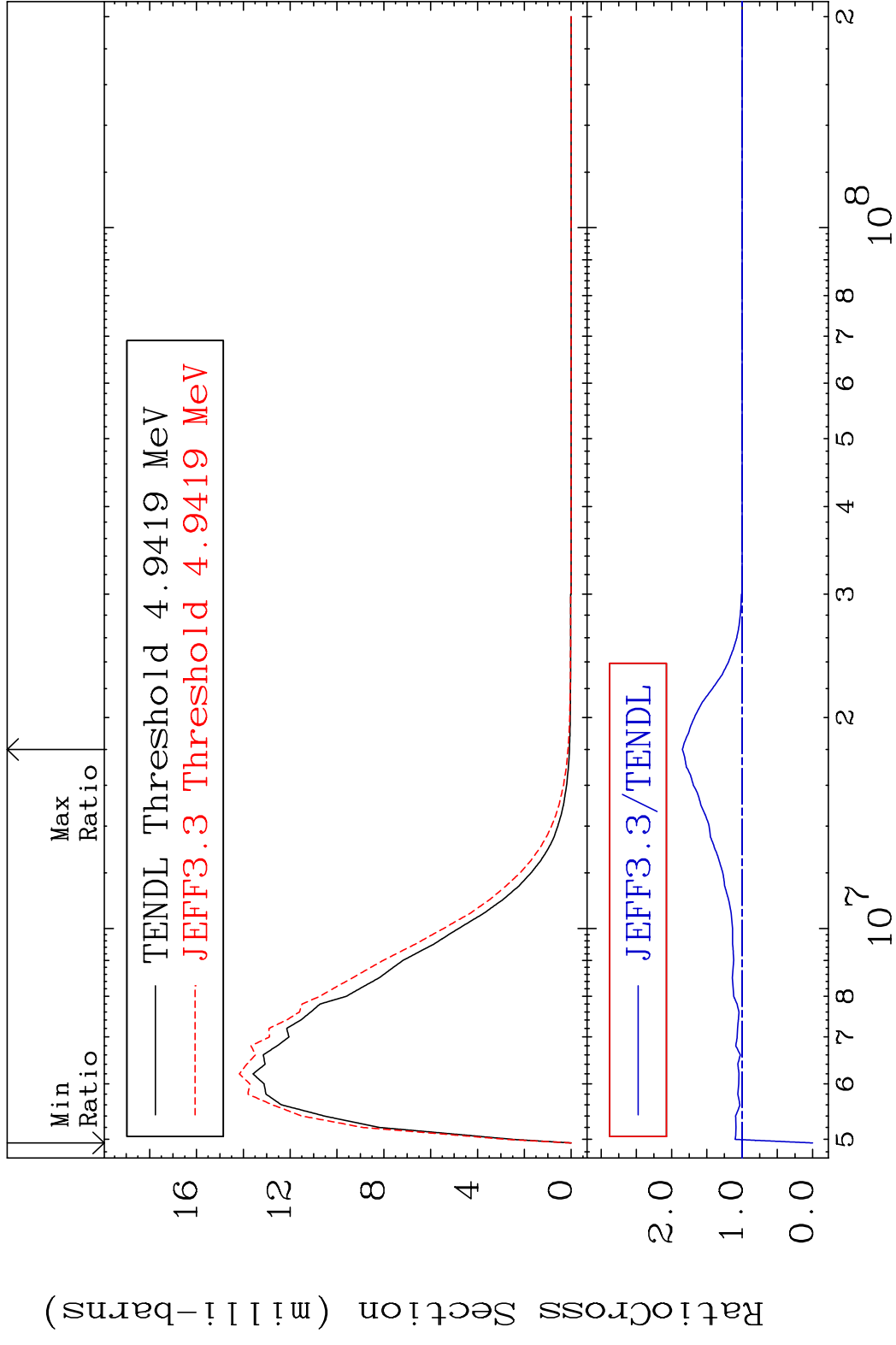
MAT 1628 MT= 69 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



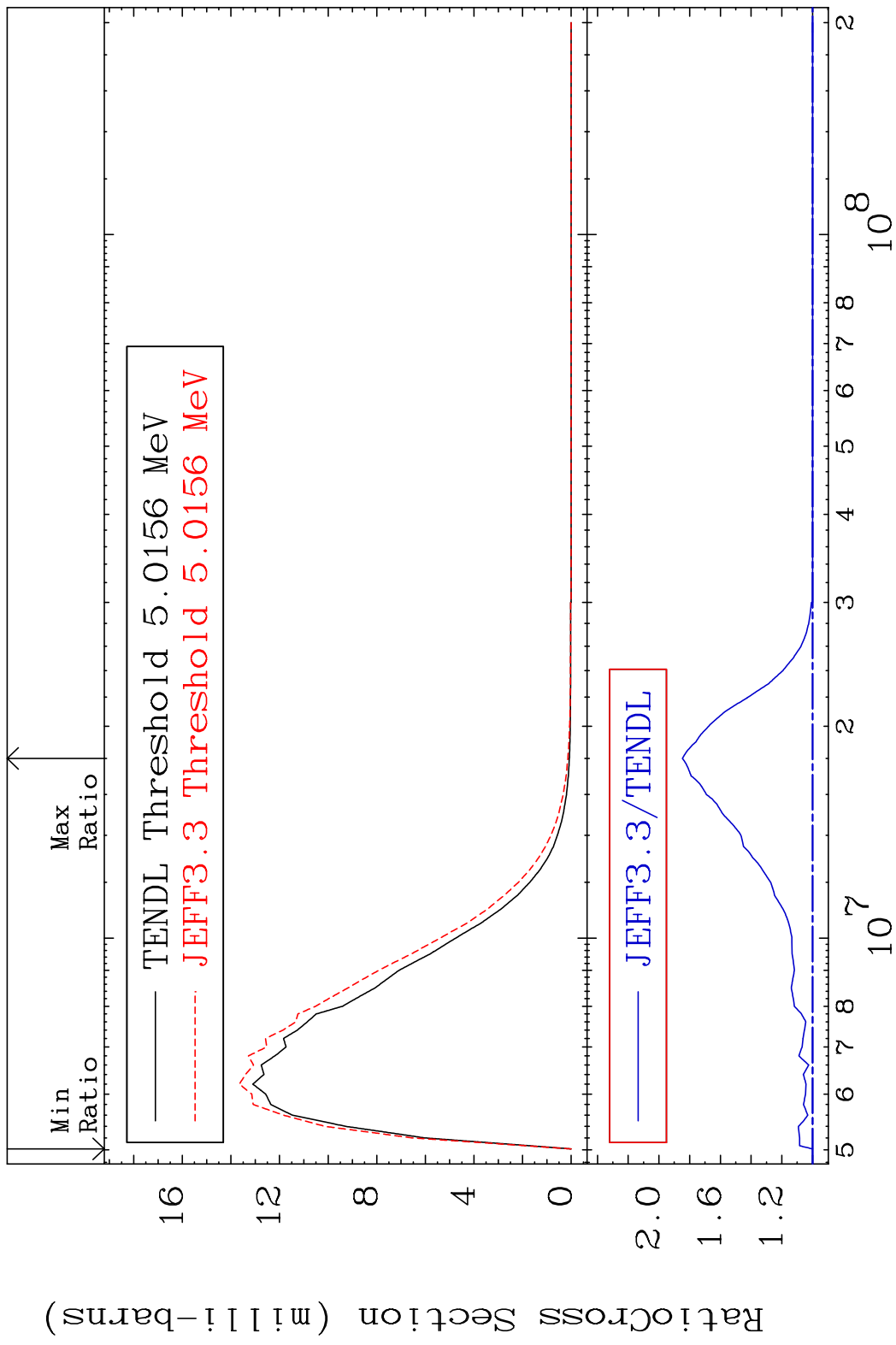
MAT 1628 MT= 70 (n, n') Level 16-S -33
 Cross Section -60.40 To 9999. %



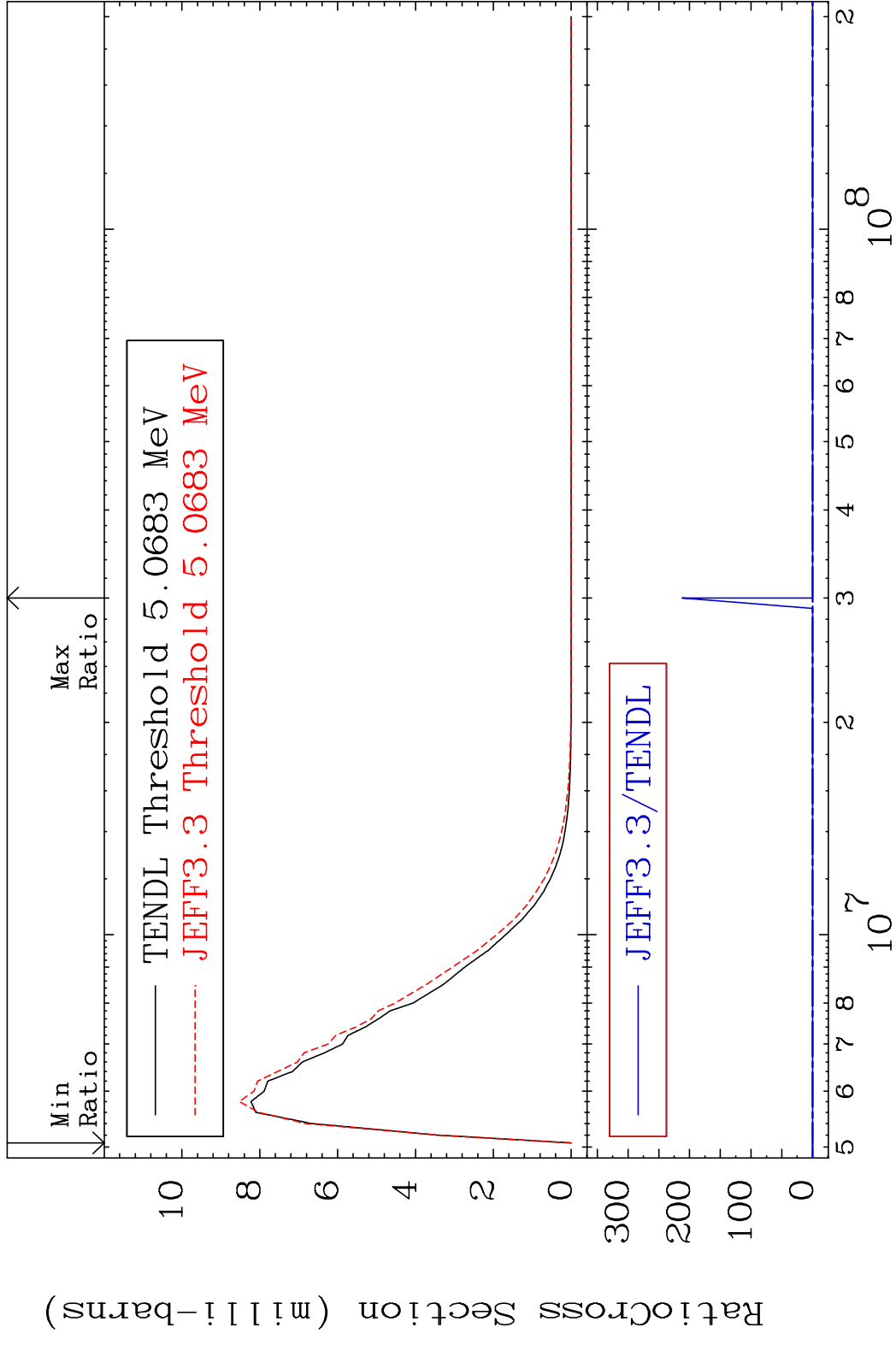
MAT 1628 MT= 71 (n, n') Level 16-S -33
 Cross Section -100.0 To 84.72 %



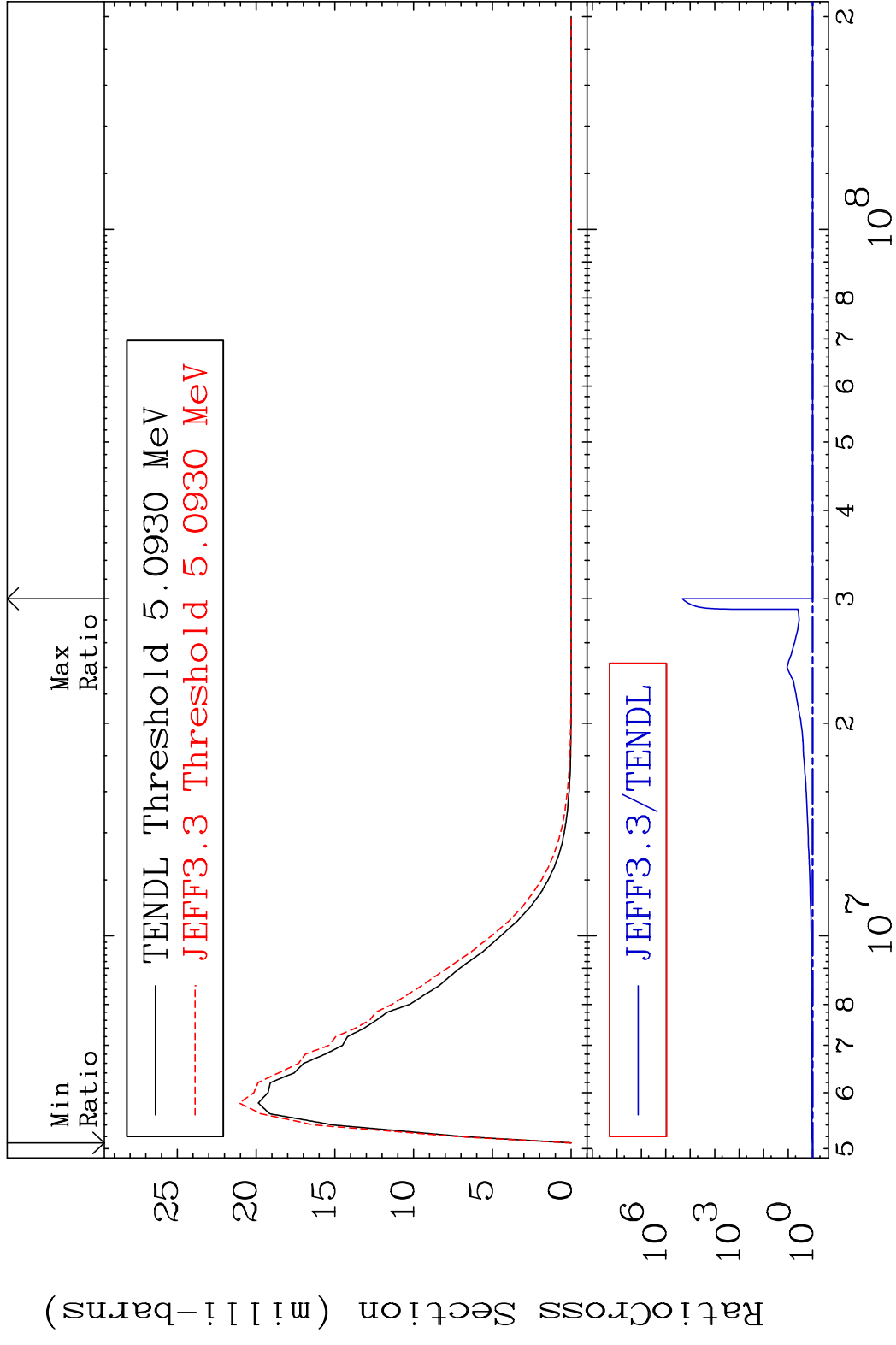
MAT 1628 MT= 72 (n,n') Level 16-S -33
 Cross Section 0.000 To 84.74 %



MAT 1628 MT= 73 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

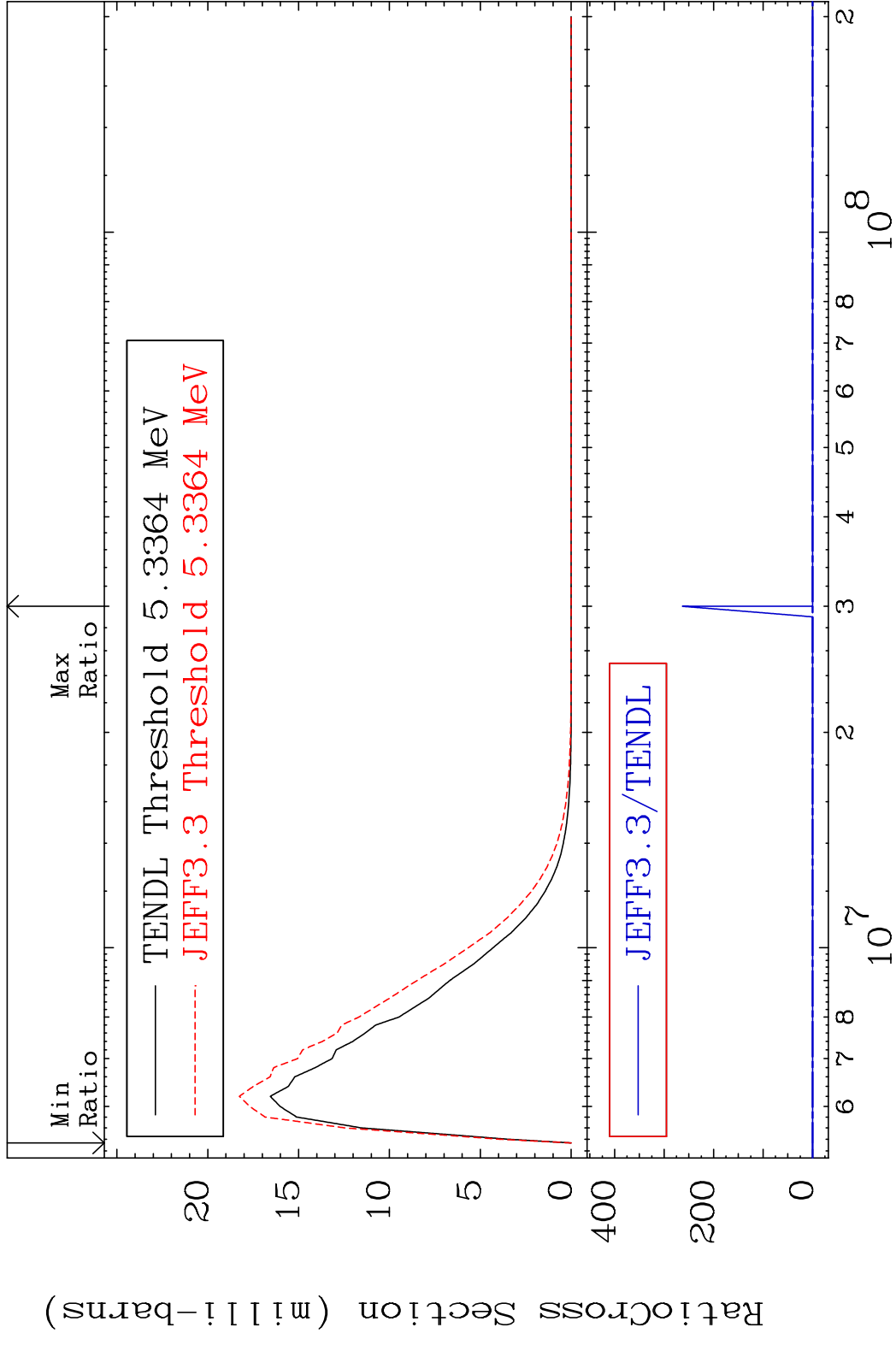


MAT 1628 MT= 74 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %

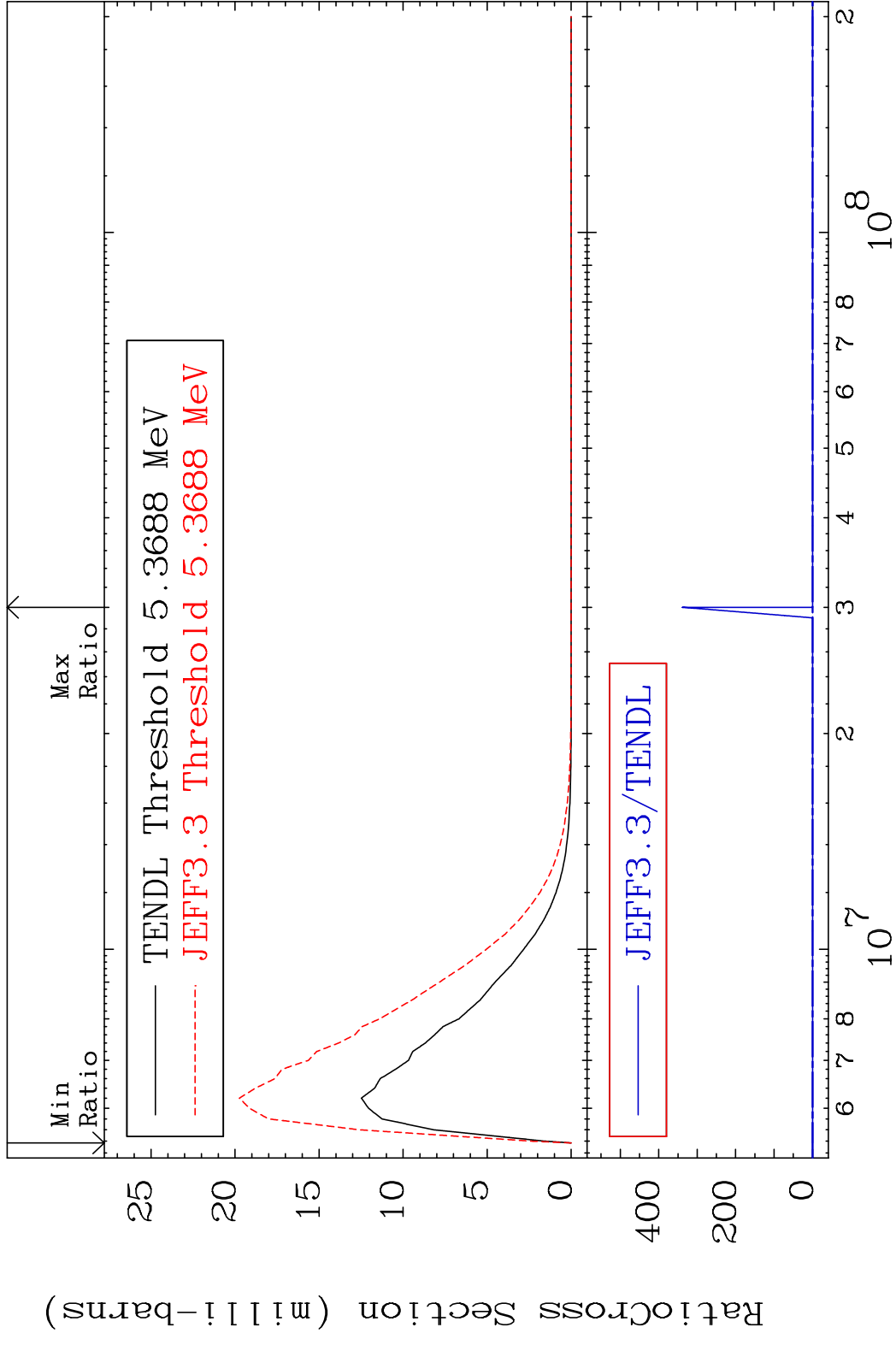


40 Incident Energy (eV) 16-S -33

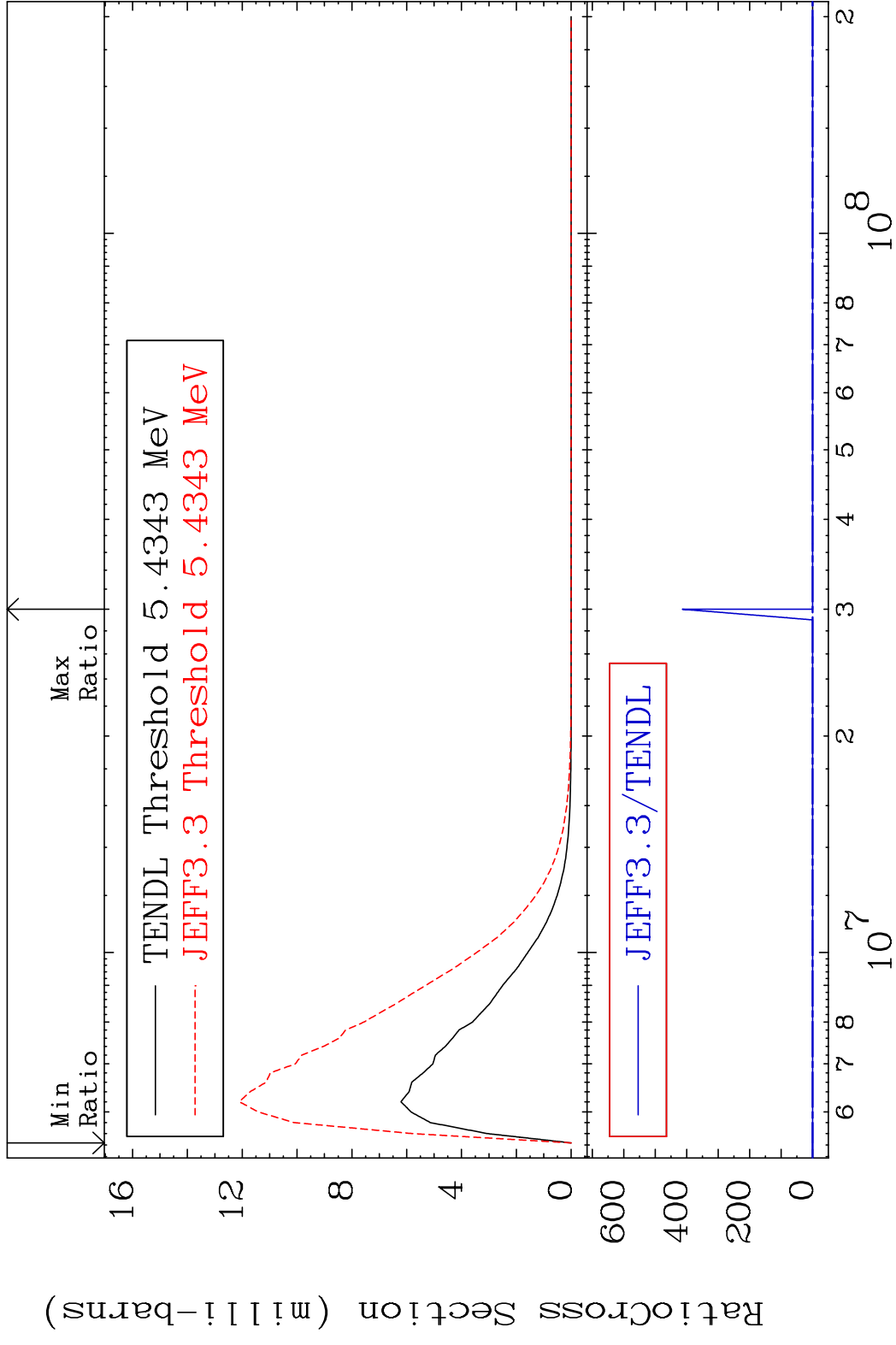
MAT 1628 MT= 75 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



MAT 1628 MT= 76 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

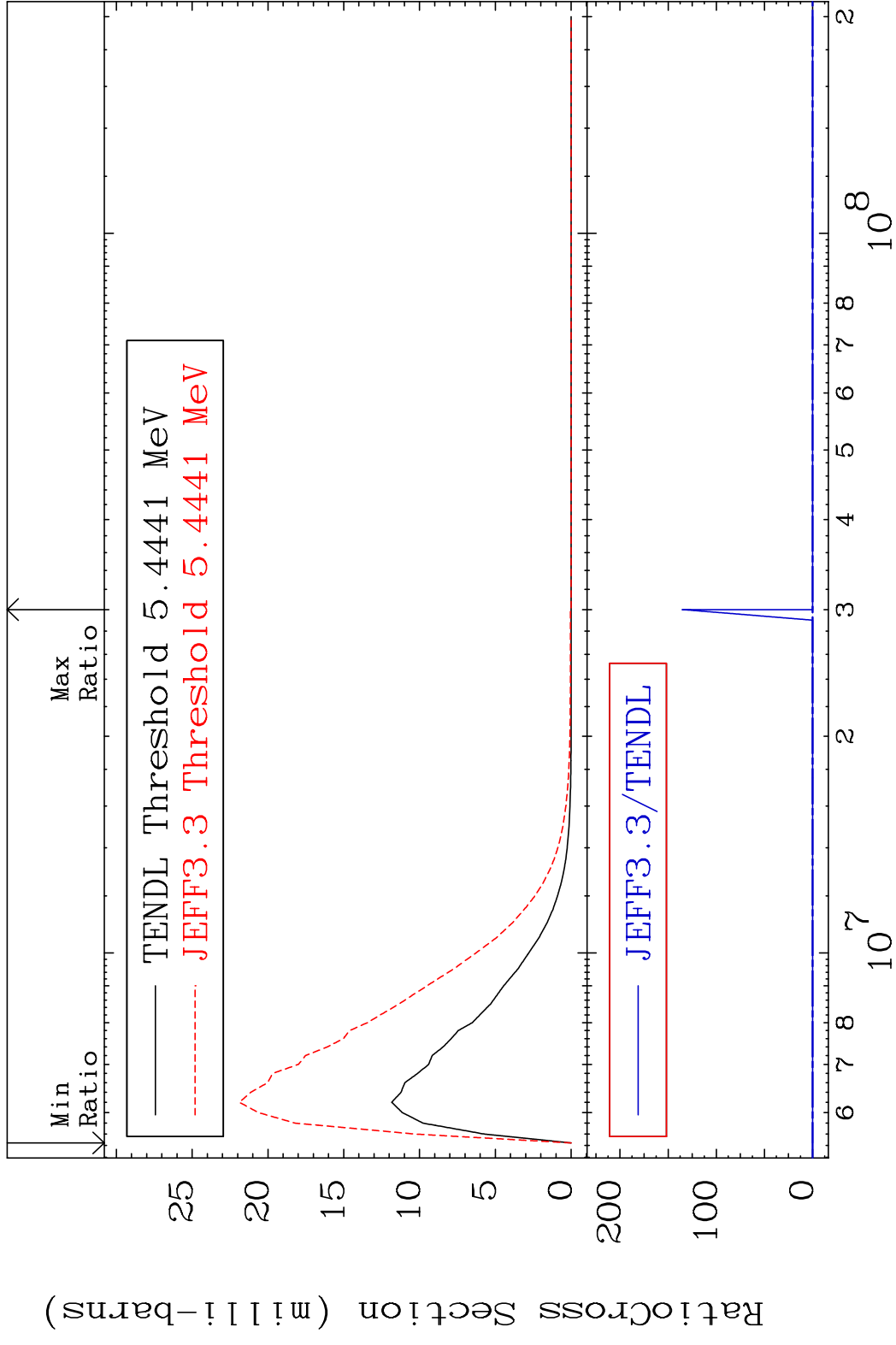


MAT 1628 MT= 77 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

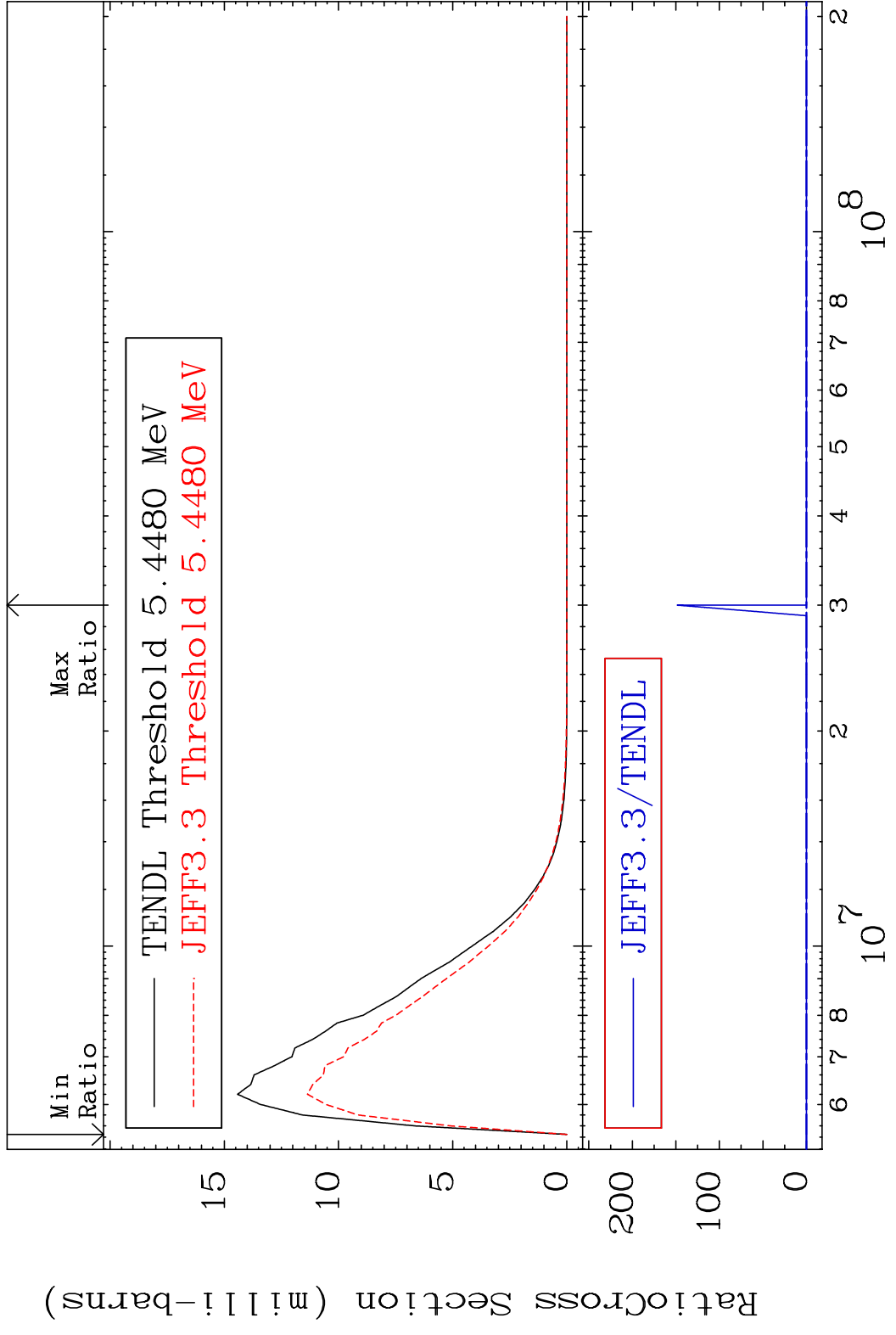


43 Incident Energy (eV) 16-S -33

MAT 1628 MT= 78 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

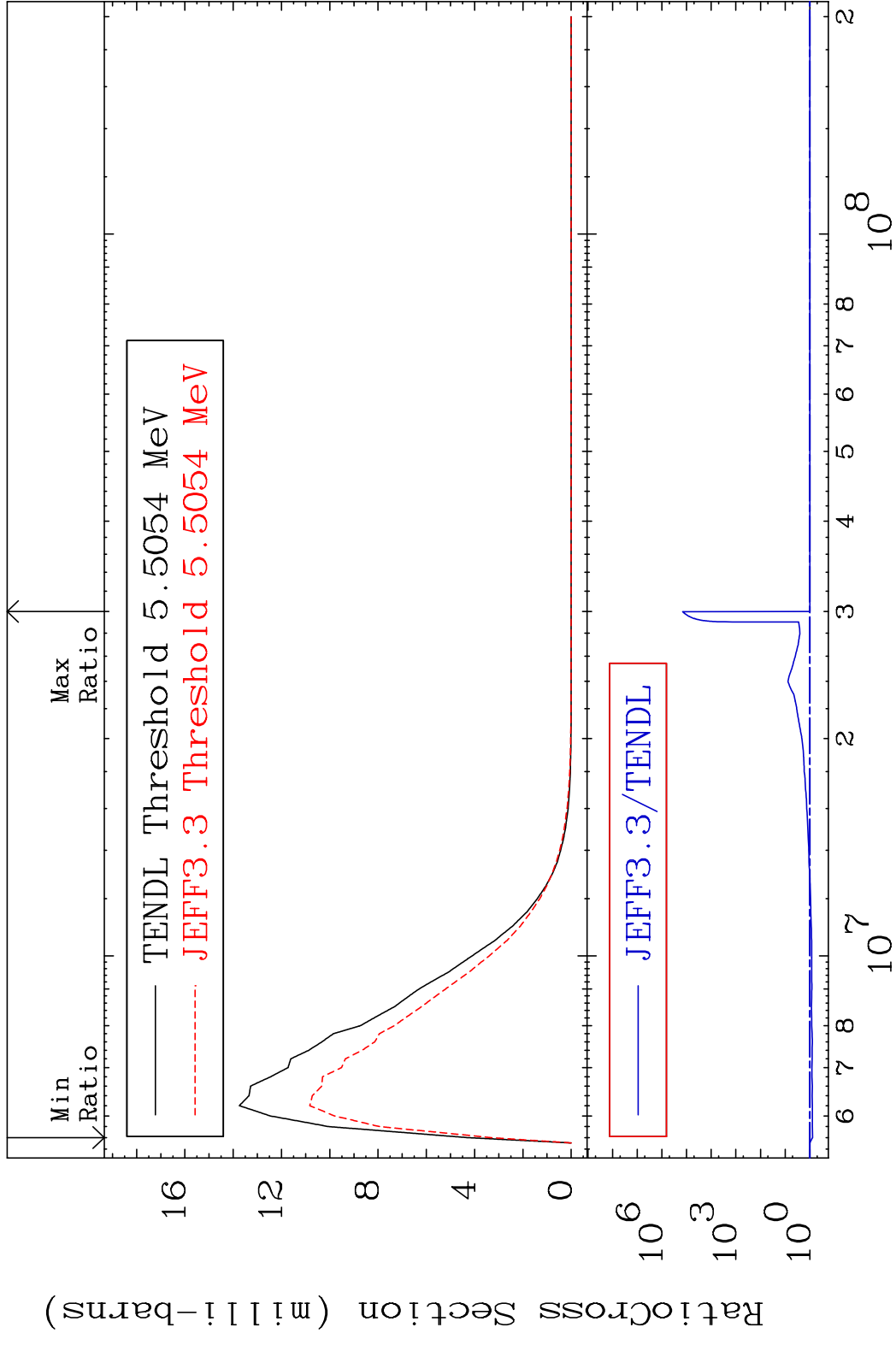


MAT 1628 MT= 79 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

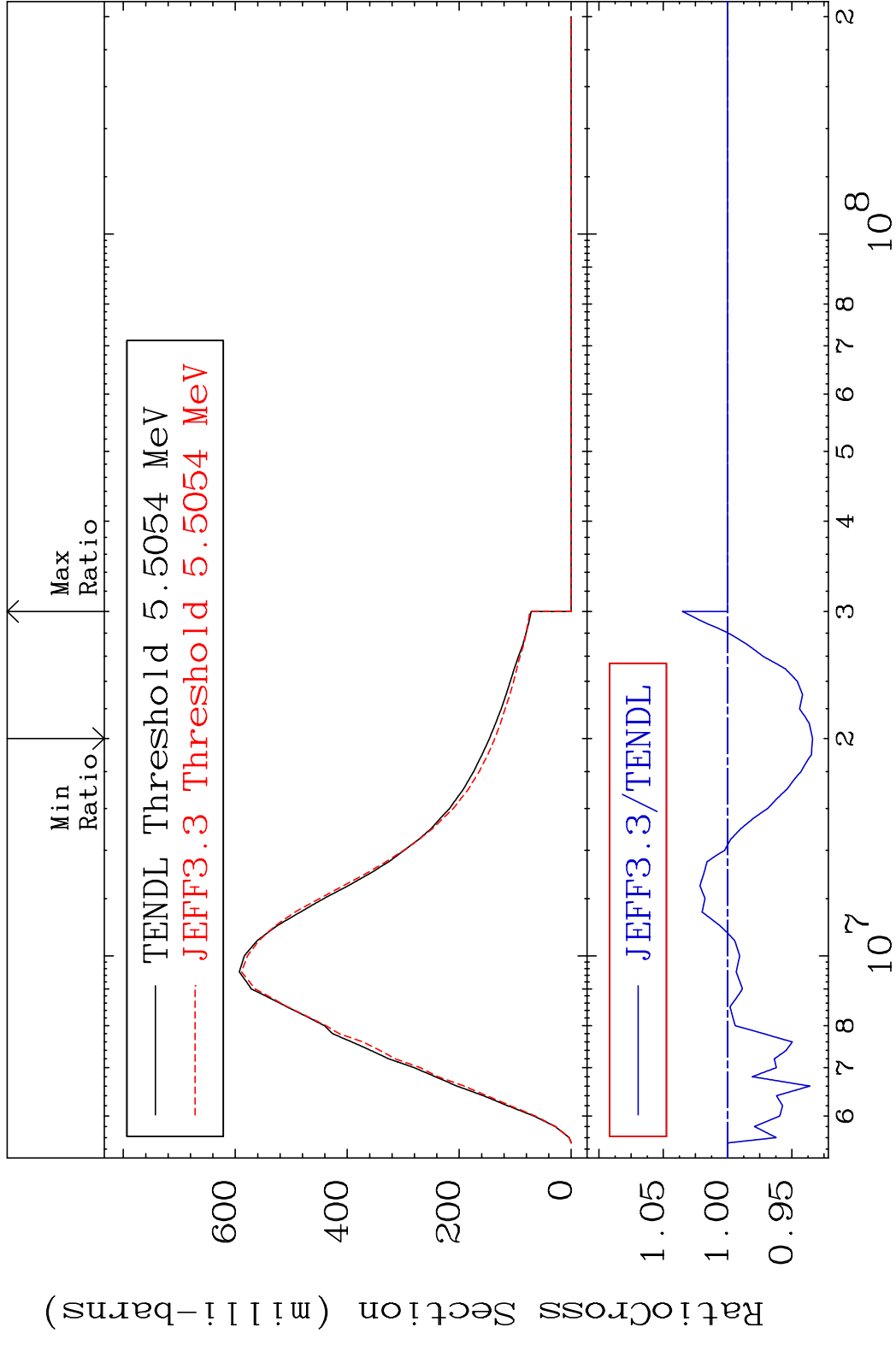


45 Incident Energy (eV) 16-S -33

MAT 1628 MT= 80 (n, n') Level 16-S -33
 Cross Section -22.85 To 9999. %



MAT 1628 (n, n') Continuum 16-S -33
 Cross Section -6.604 To 3.519 %

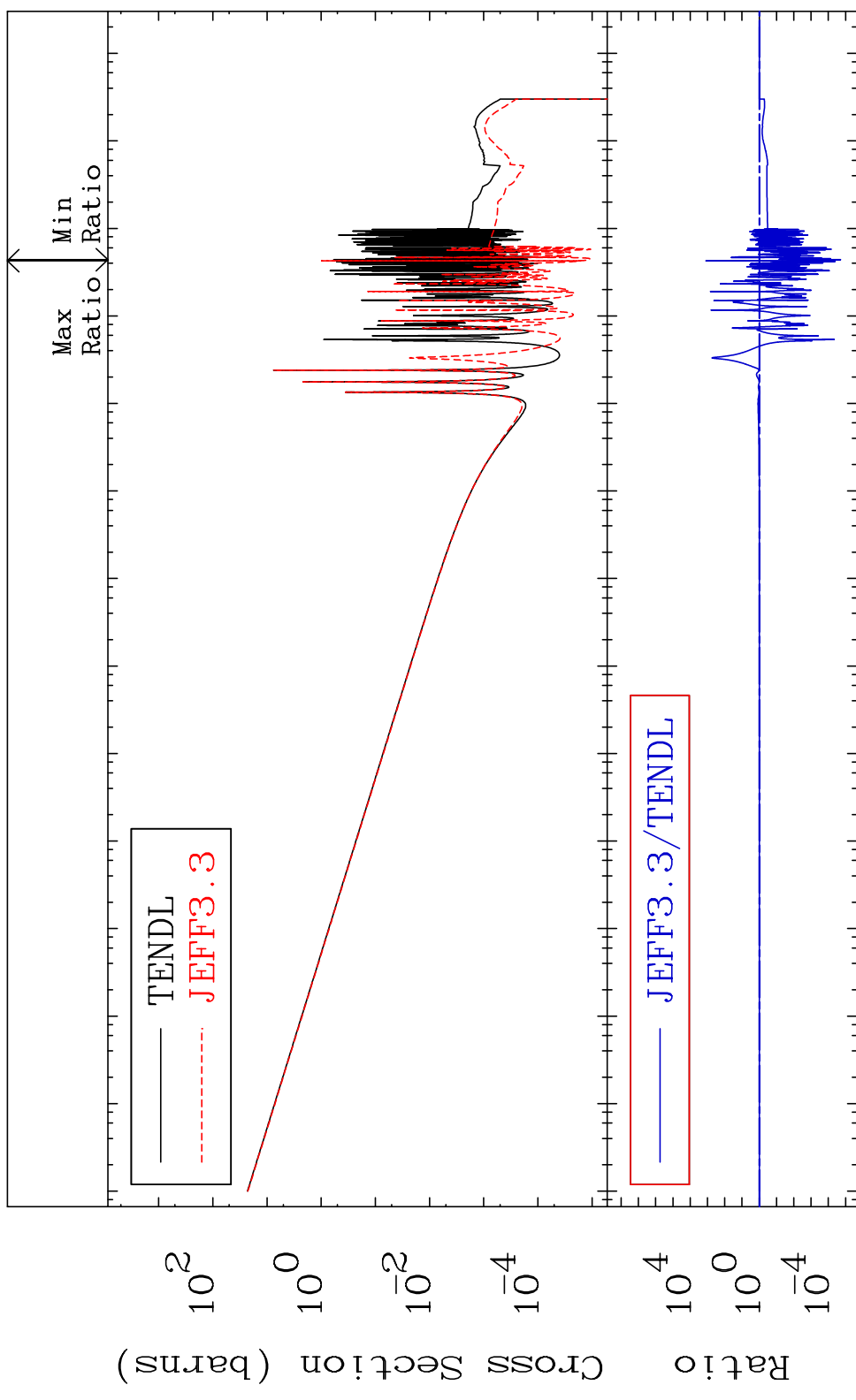


MAT 1628

(n, γ)

16-S -33

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

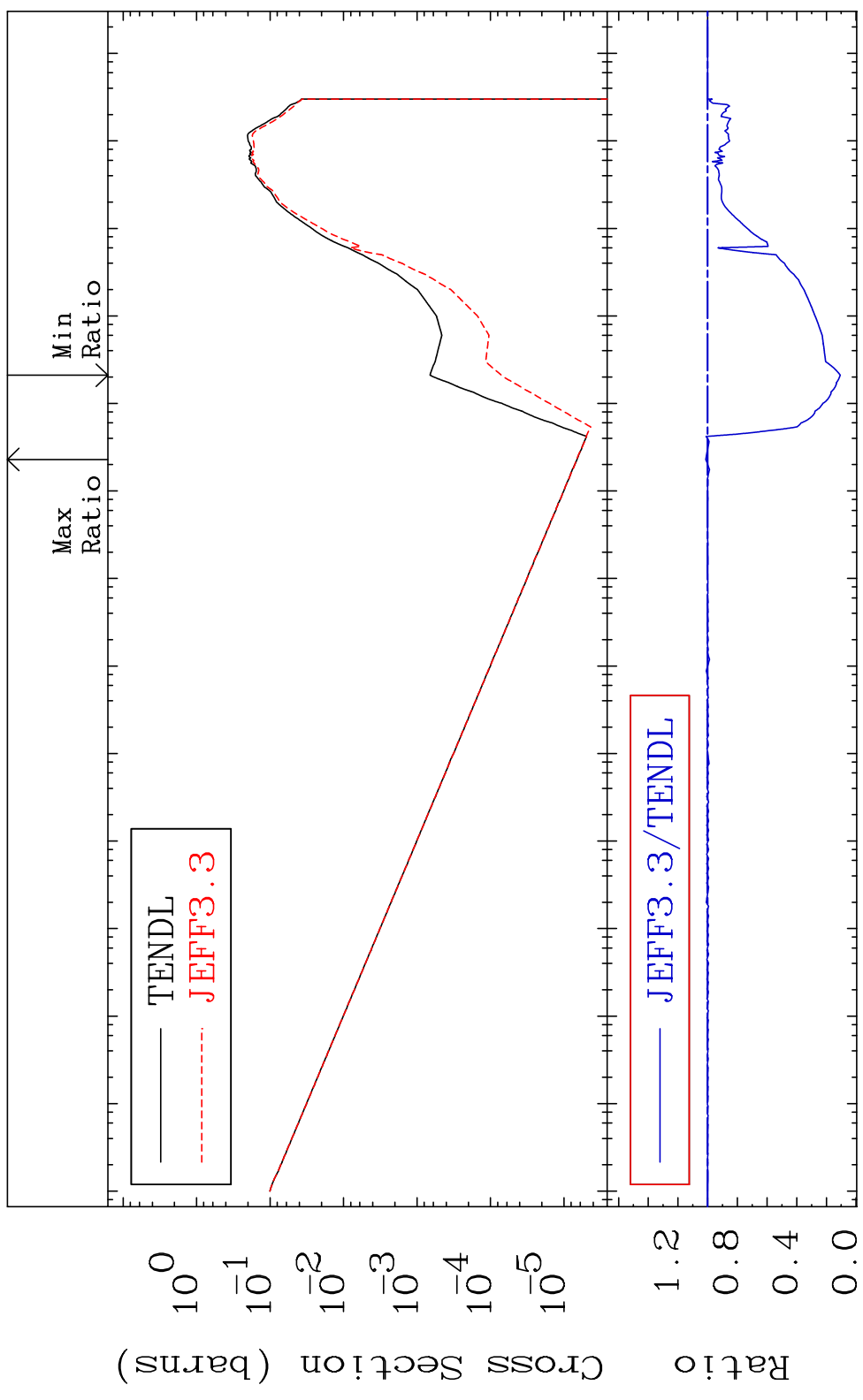
16-S -33

MAT 1628

(n,p)

16-S -33

Cross Section -89.42 To 1.313 %

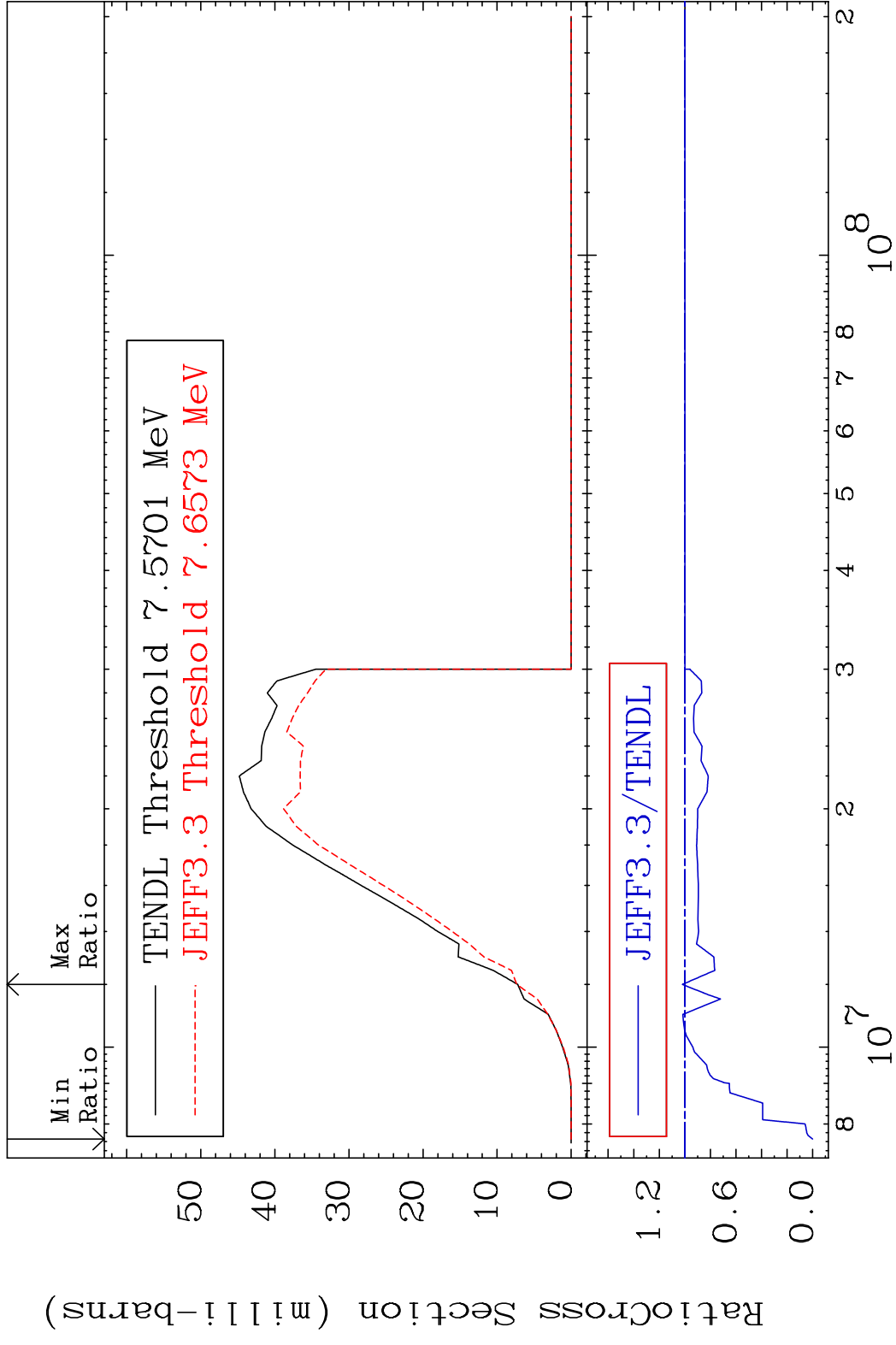


49

Incident Energy (eV)

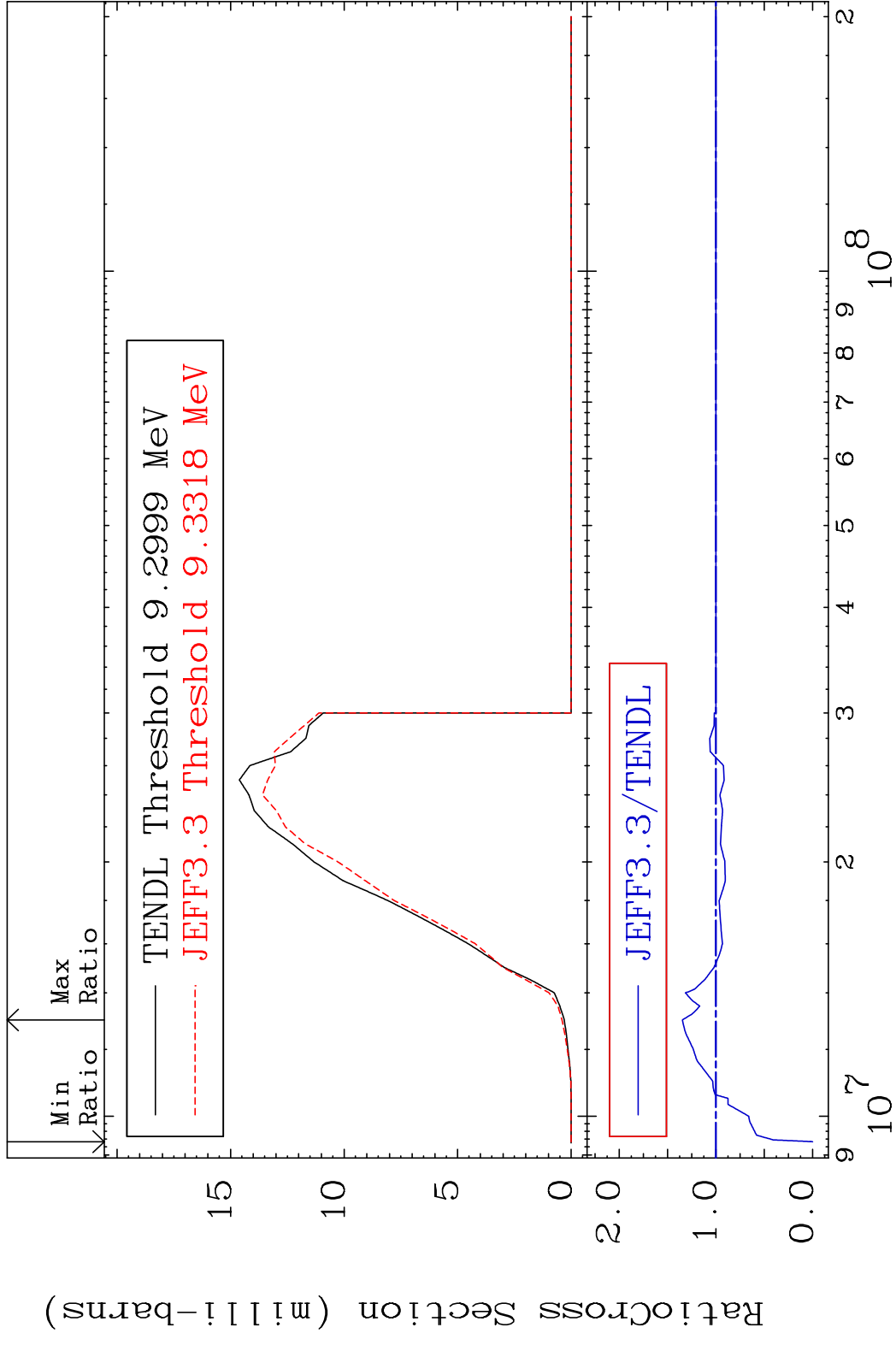
16-S -33

MAT 1628 (n,d) 16-S -33
 Cross Section -100.0 To 1.918 %



50 Incident Energy (eV) 16-S -33

MAT 1628 (n, t) 16-S -33
 Cross Section -100.0 To 34.68 %

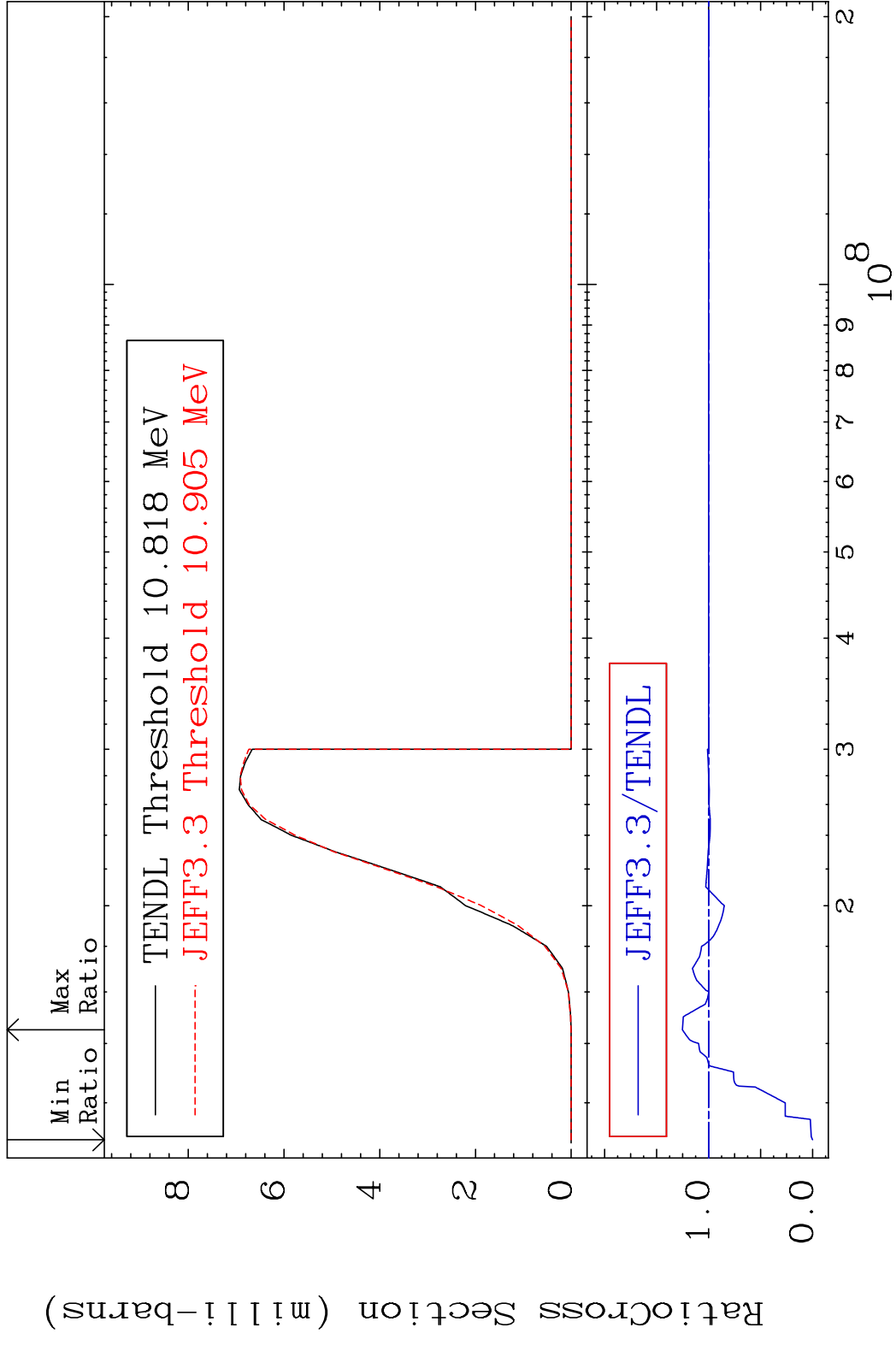


MAT 1628

(n, He-3)

16-S -33

Cross Section -100.0 To 25.29 %

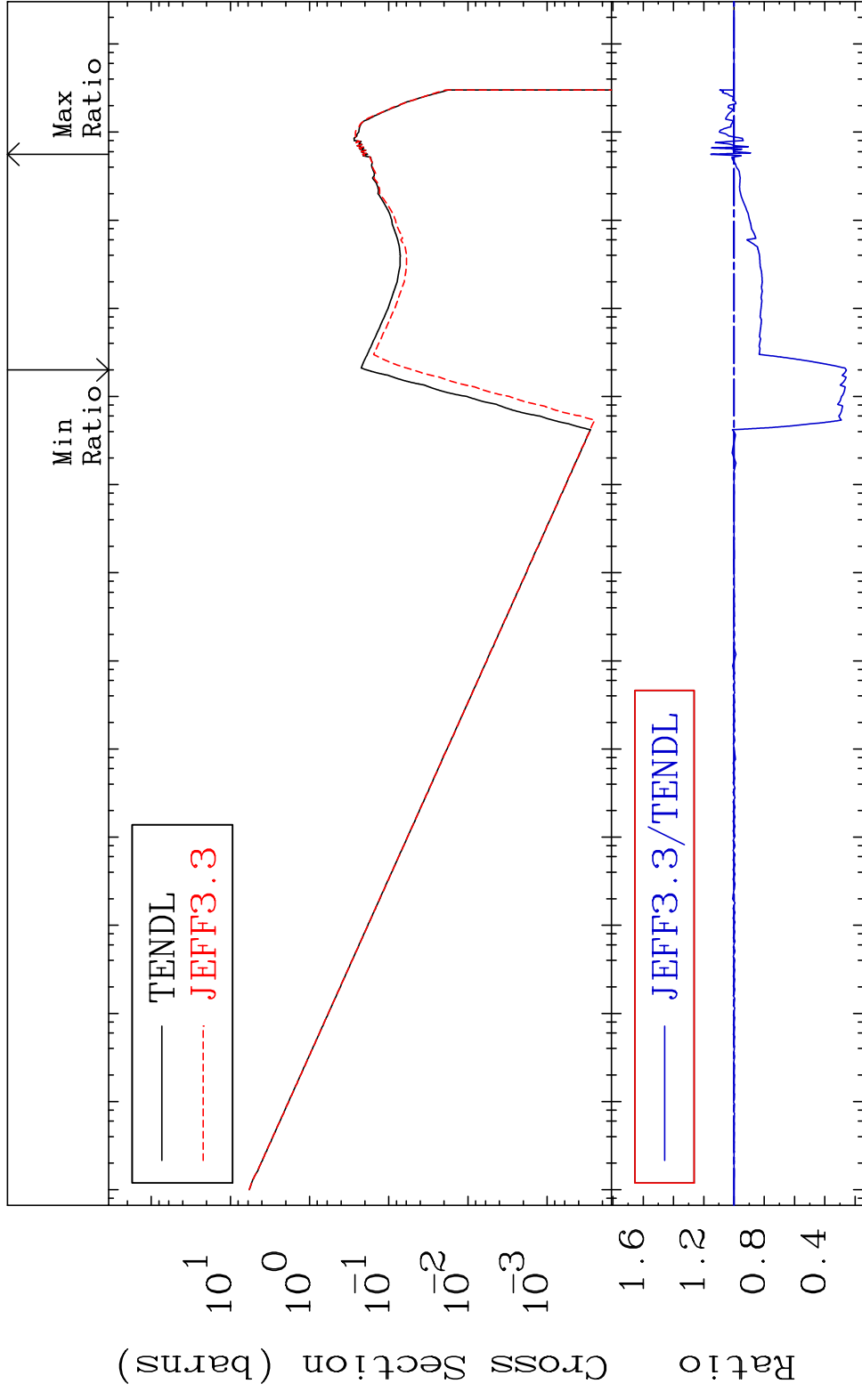


MAT 1628

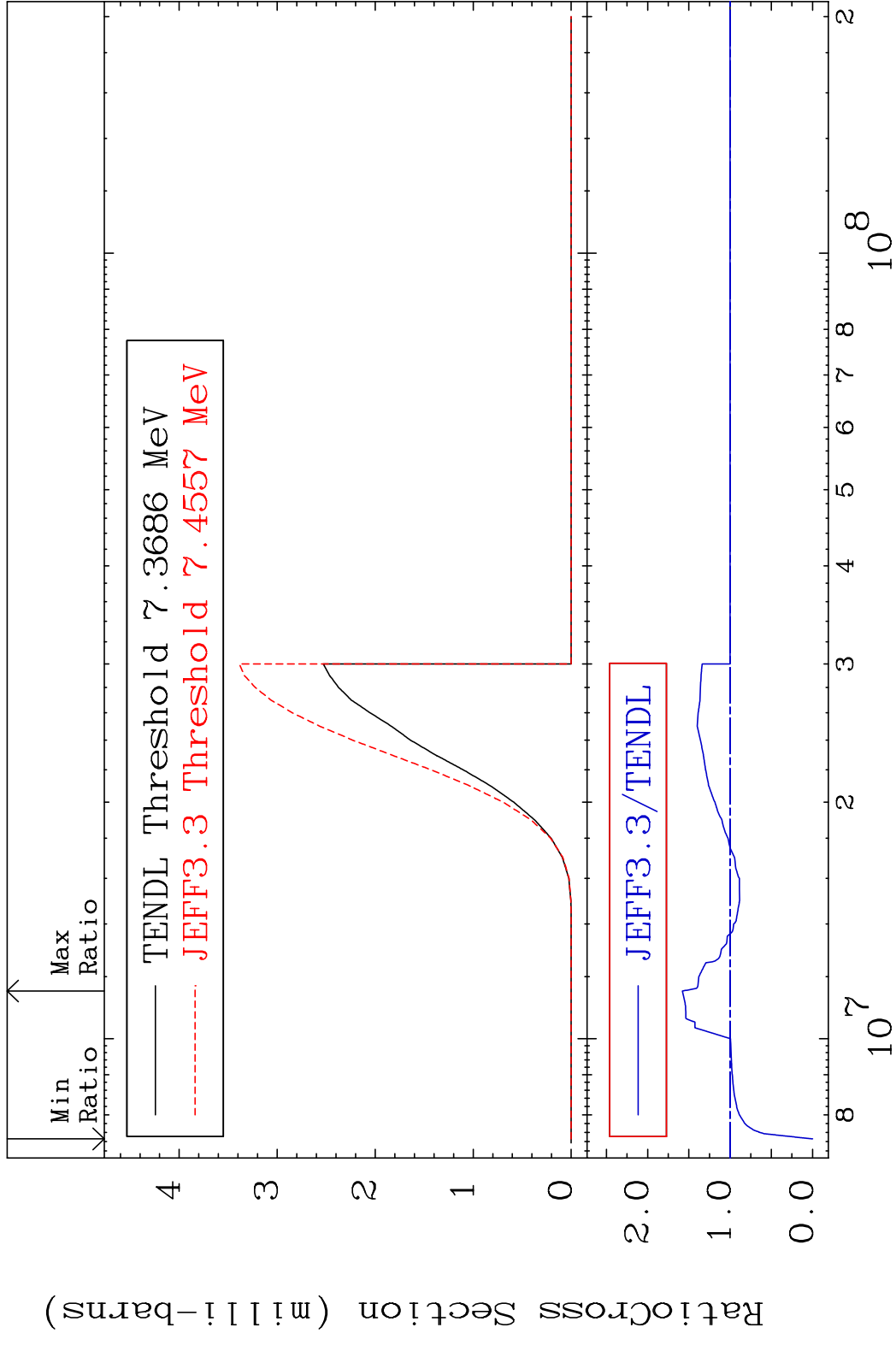
16-S -33

(n, α)

Cross Section -74.18 To 15.40 %



MAT 1628 (n,2α) 16-S -33
 Cross Section -100.0 To 57.90 %

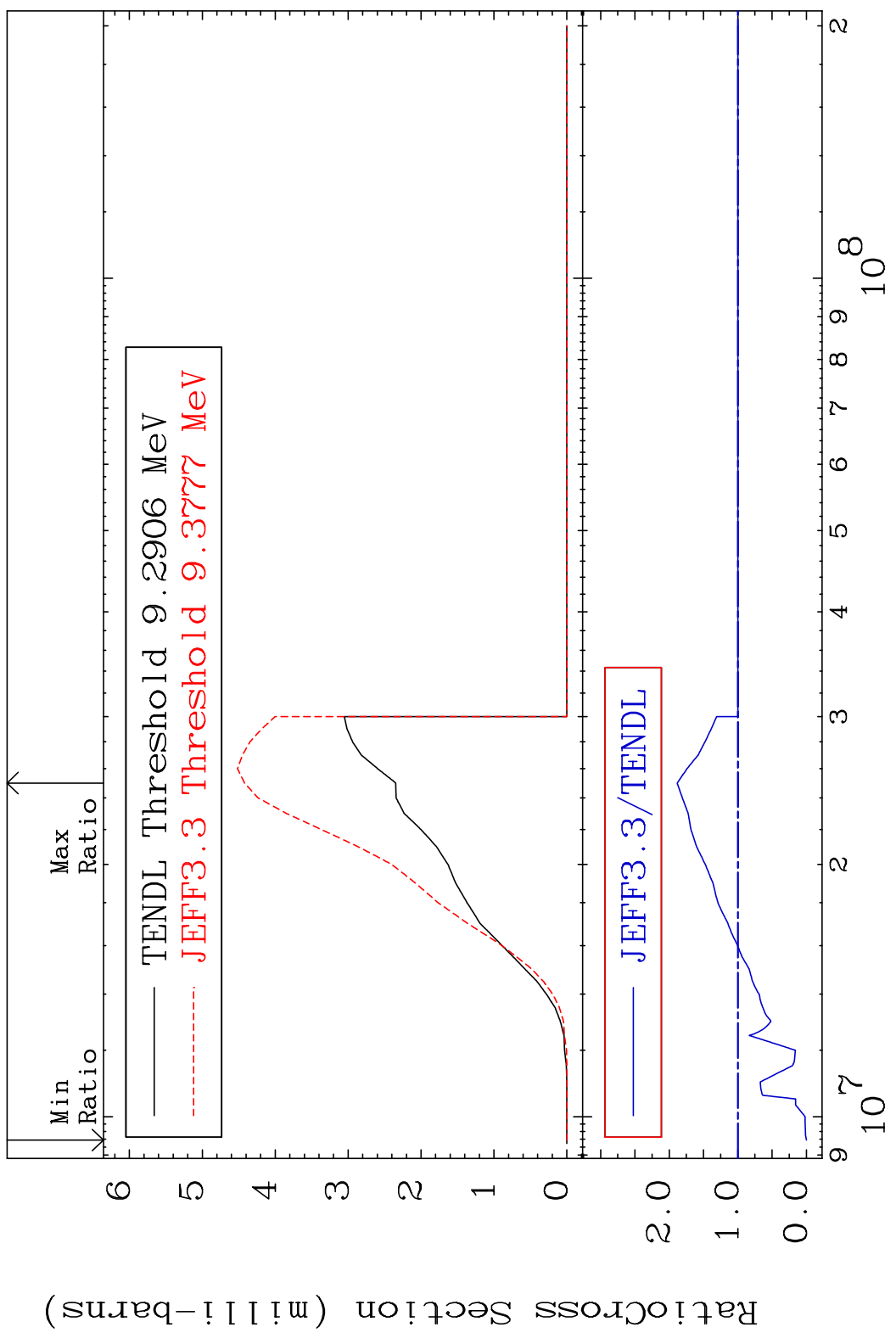


MAT 1628

(n,2p)

16-S -33

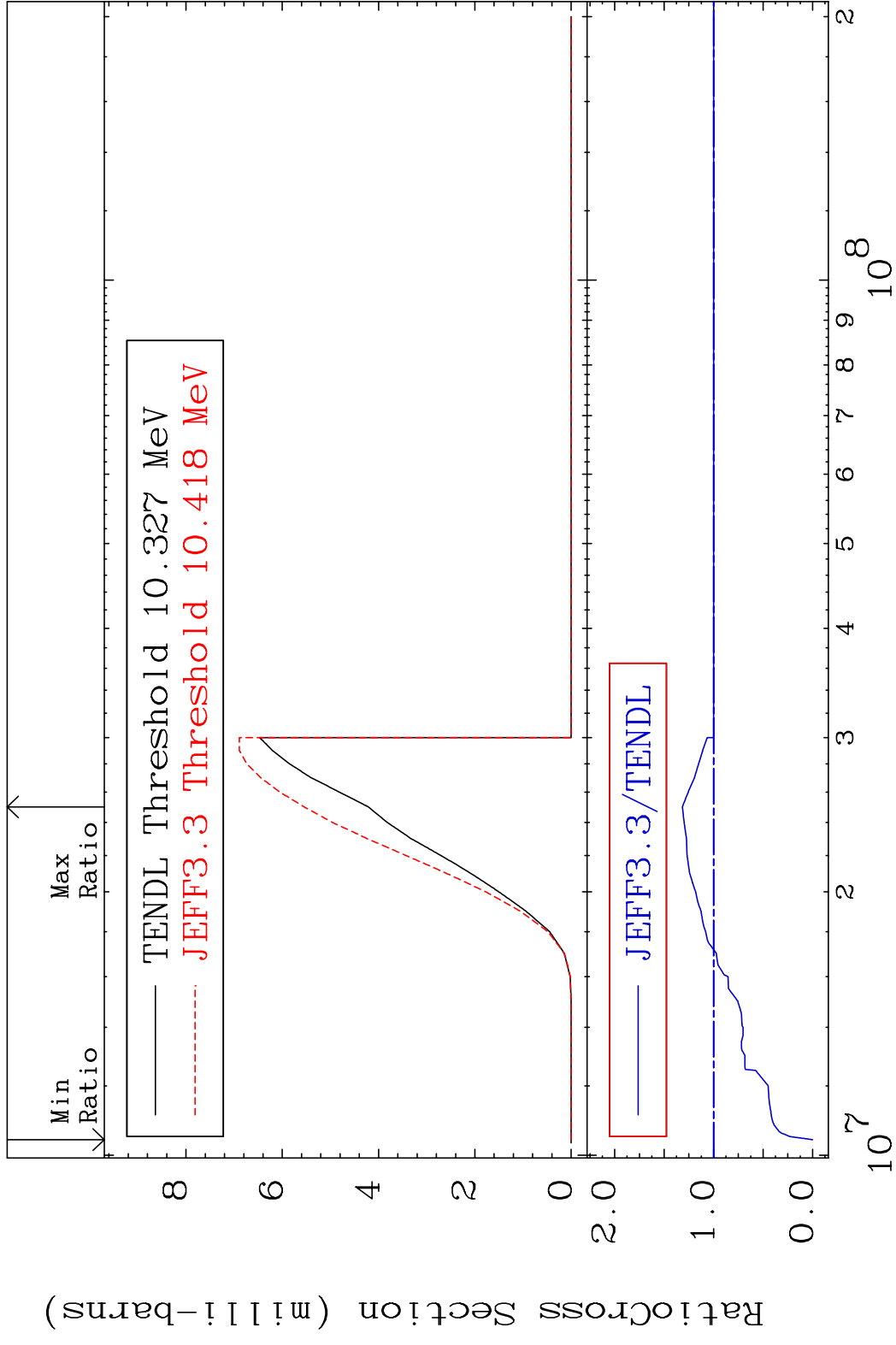
Cross Section -100.0 To 88.37 %



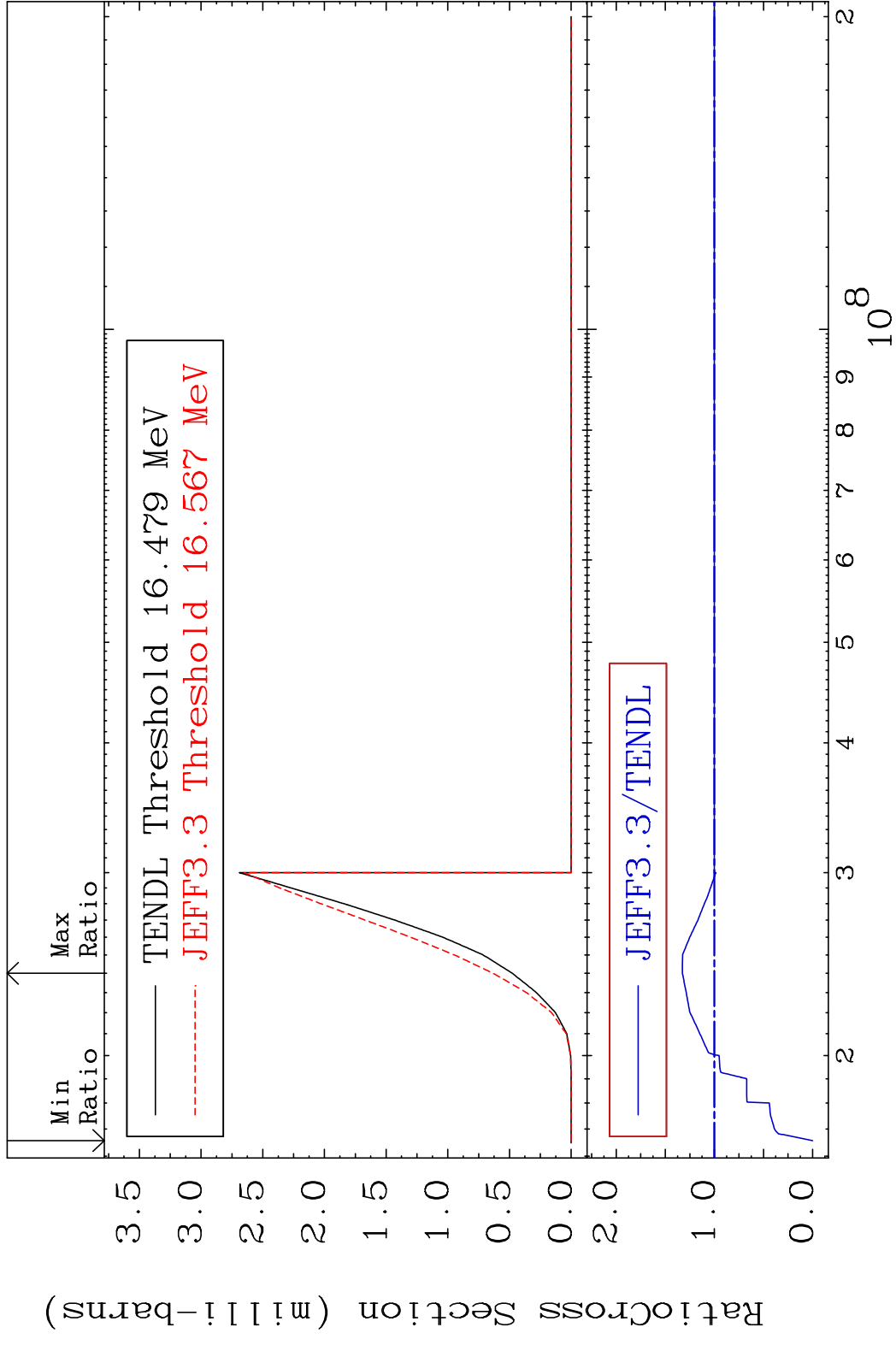
55

16-S -33

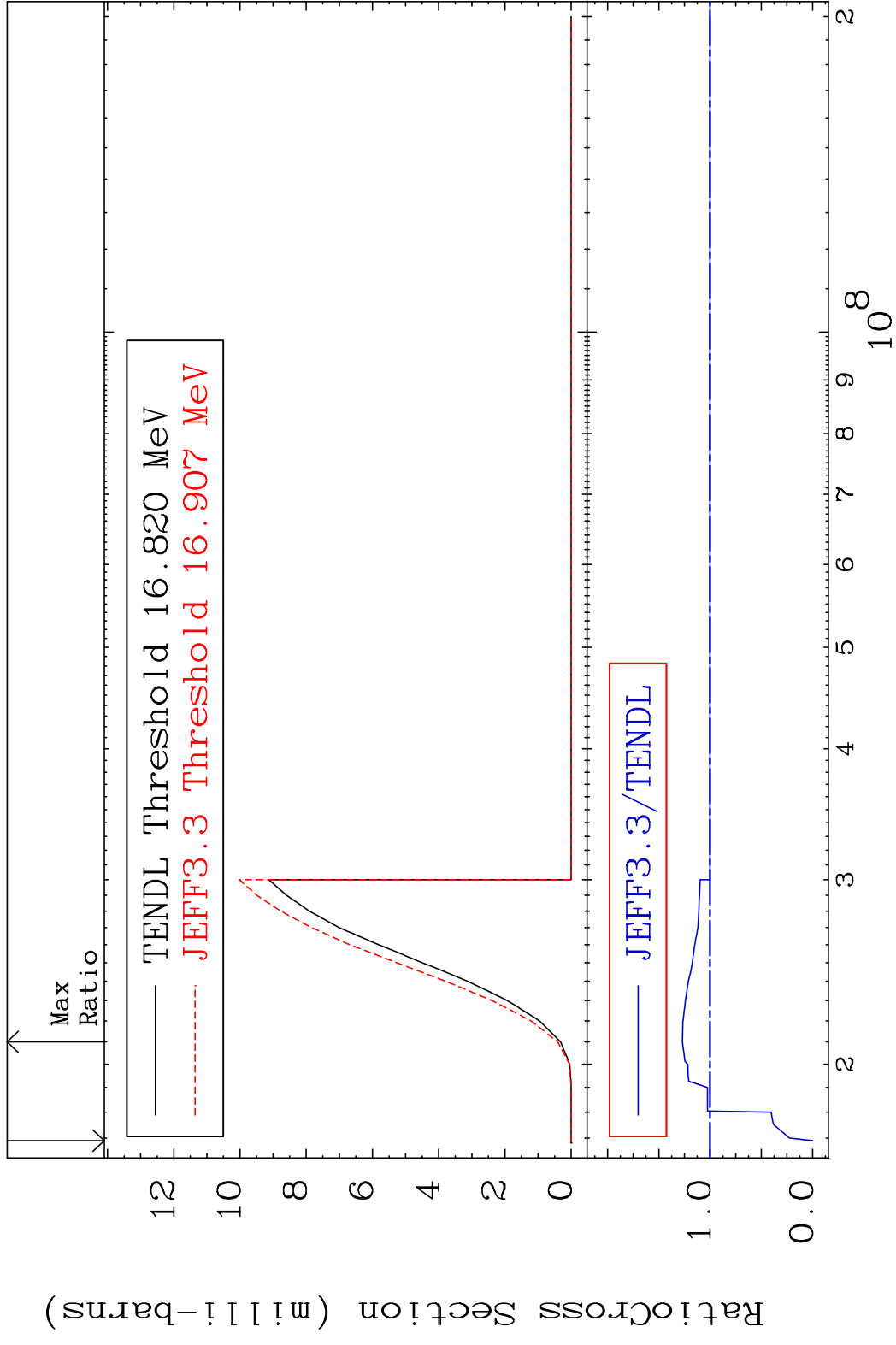
MAT 1628 (n,p) α 16-S -33
 Cross Section -100.0 To 31.60 %



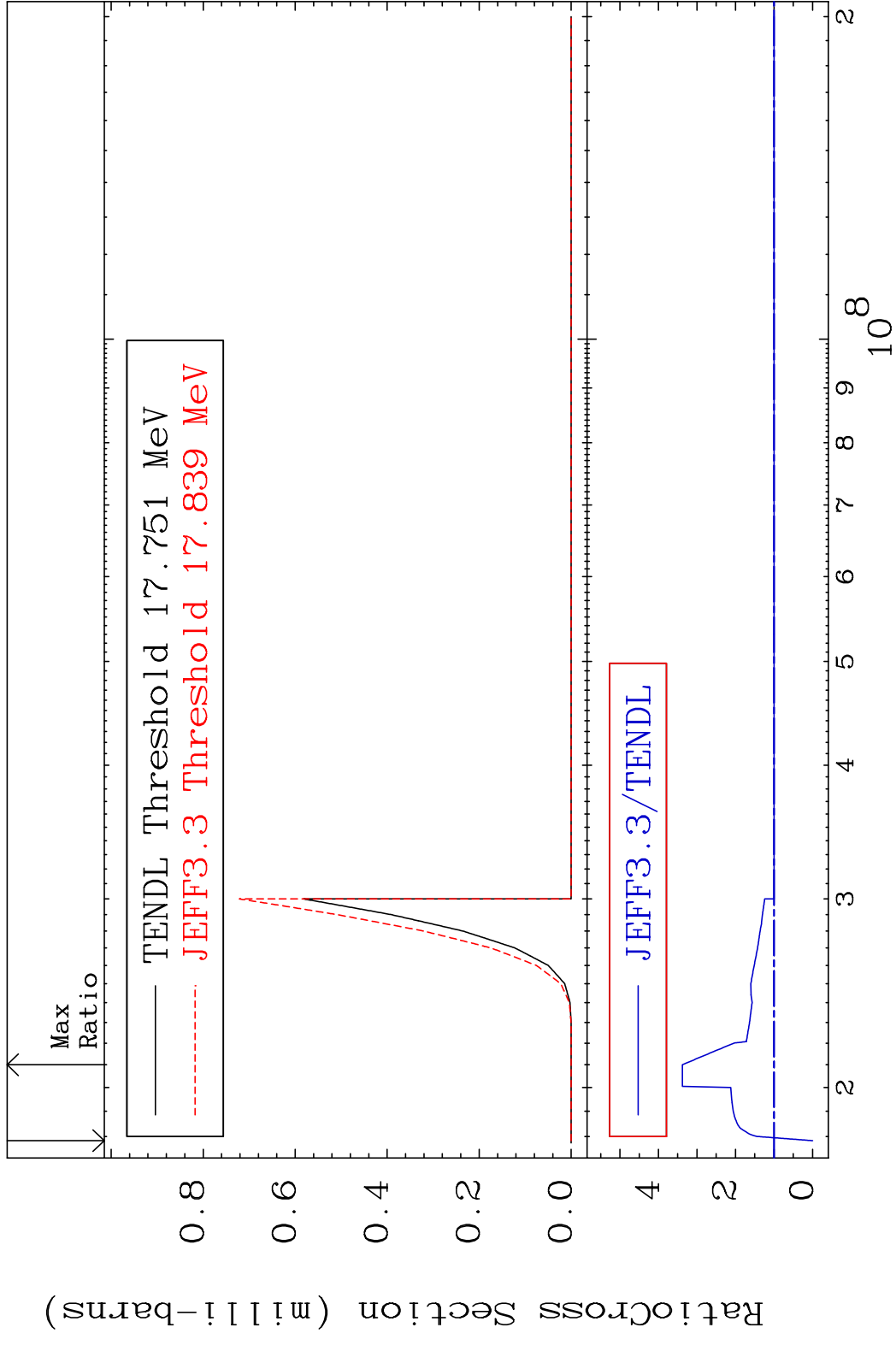
MAT 1628 (n,p) d 16-S -33
 Cross Section -100.0 To 32.63 %



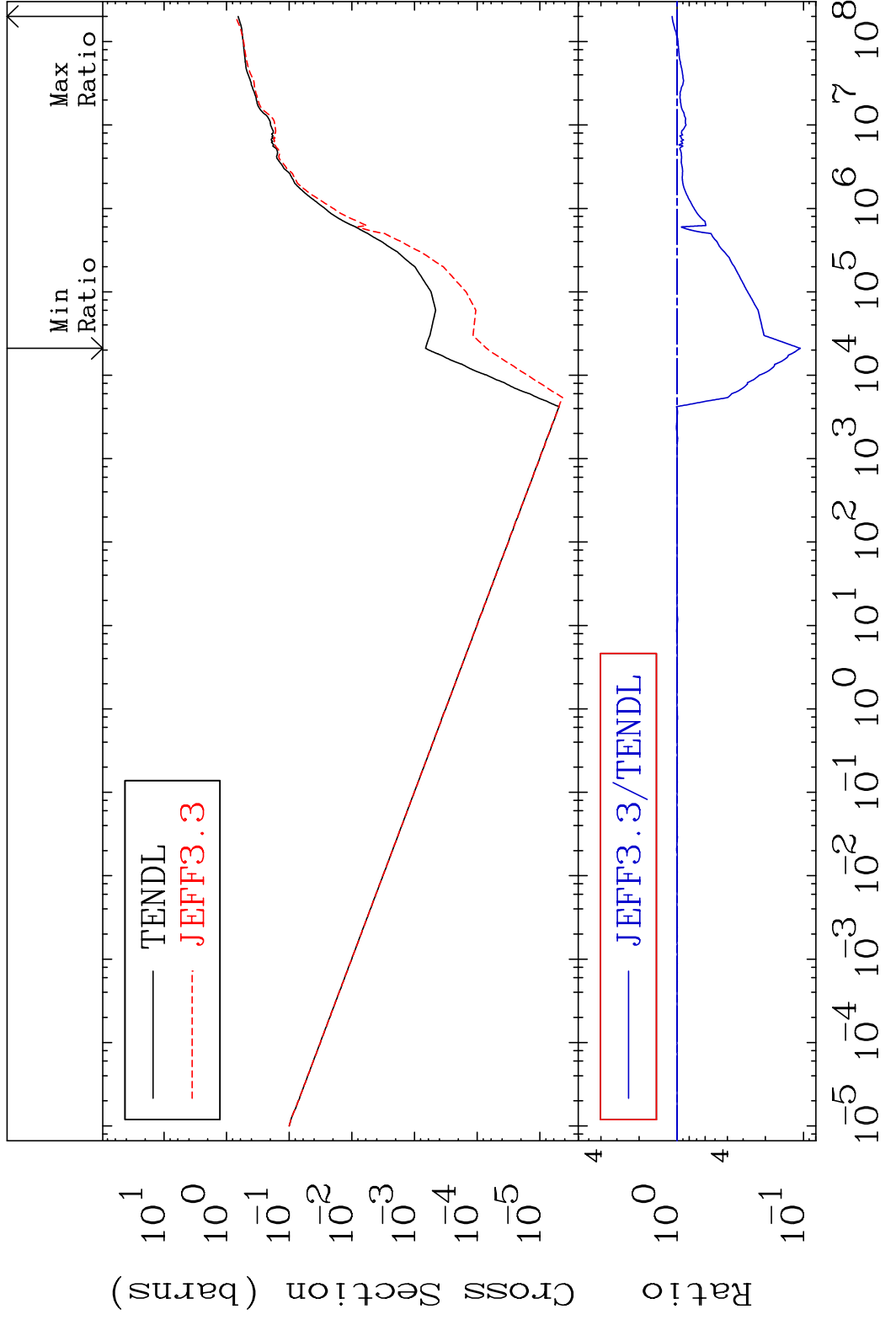
MAT 1628 (n,p) t 16-S -33
 Cross Section -100.0 To 27.03 %



MAT 1628 (n,d) α 16-S -33
 Cross Section -100.0 To 237.9 %

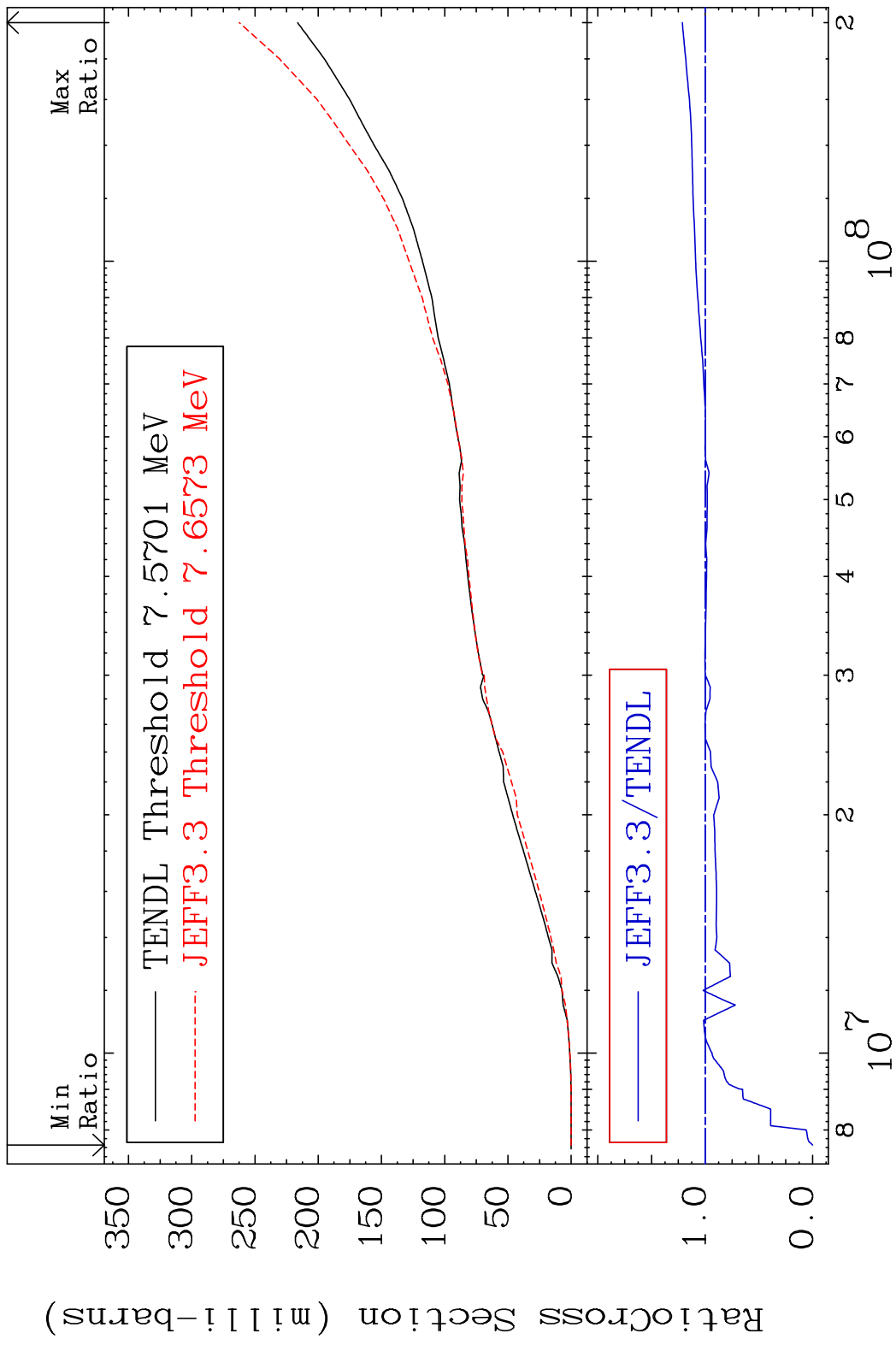


MAT 1628 Hydrogen Production 16-S -33
 Cross Section -89.42 To 9.468 %

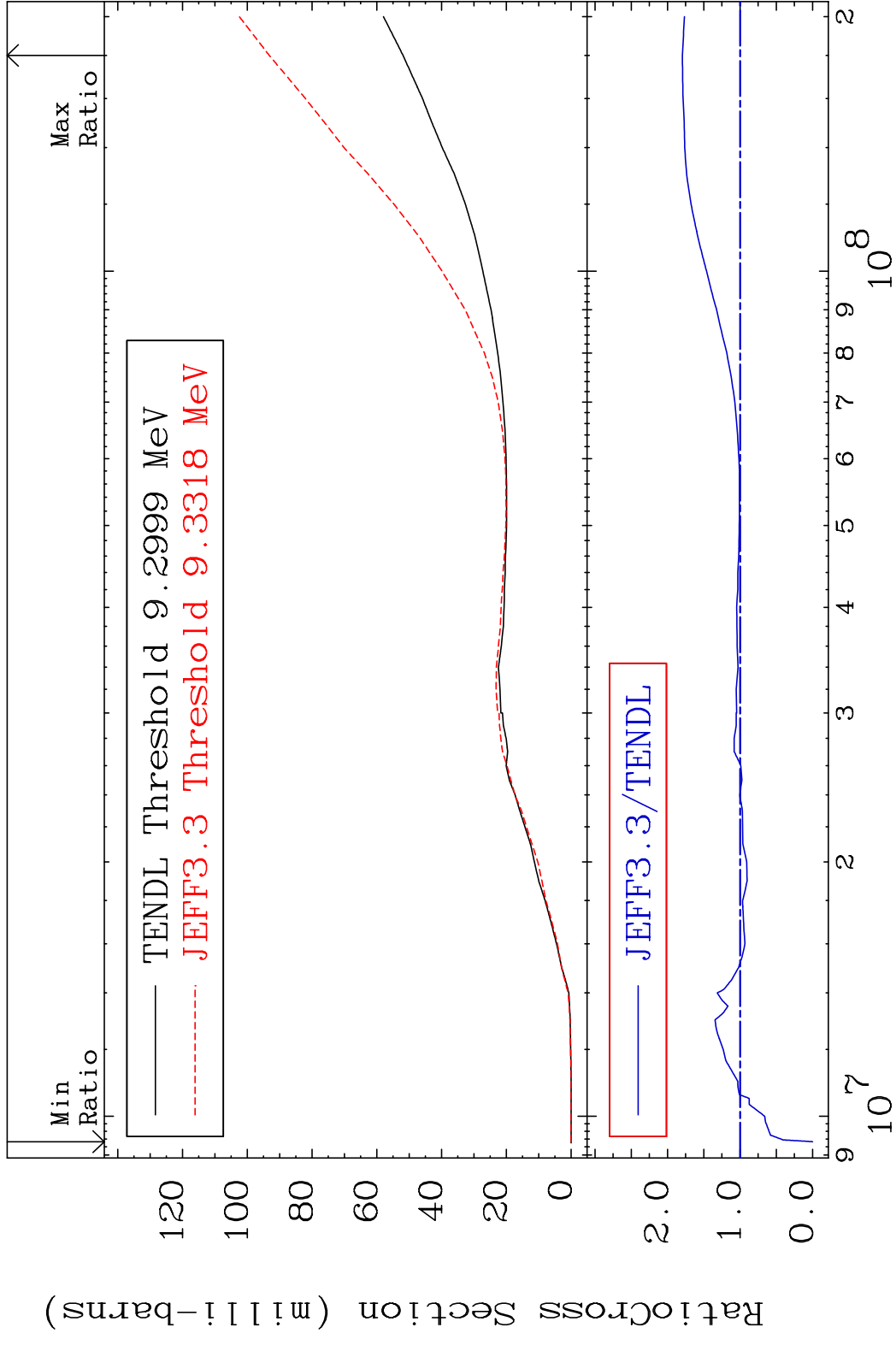


60 Incident Energy (eV) 16-S -33

MAT 1628 Deuterium Production 16-S -33
 Cross Section -100.0 To 21.31 %

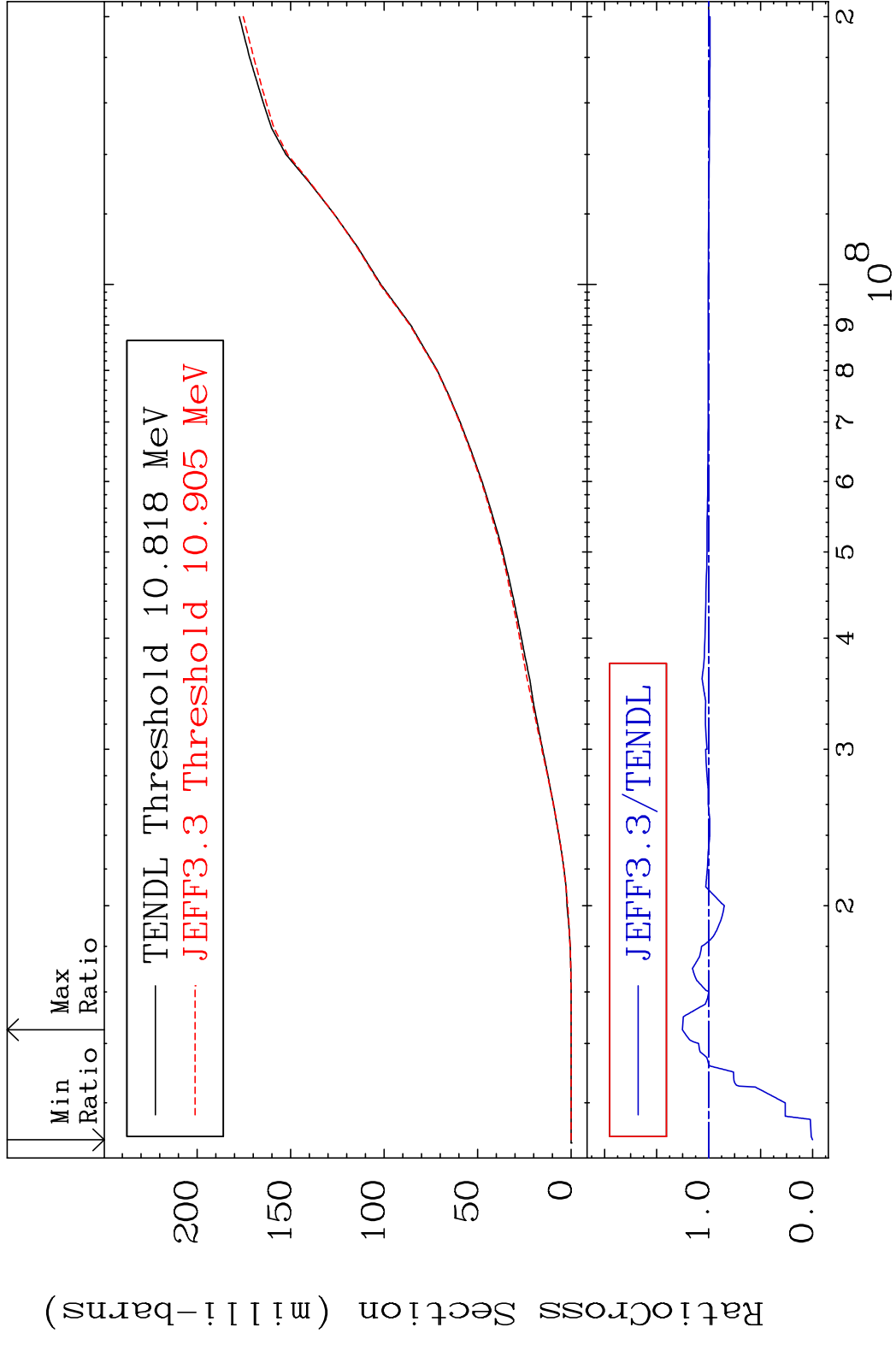


MAT 1628 Tritium Production 16-S -33
 Cross Section -100.0 To 79.58 %



62 Incident Energy (eV) 16-S -33

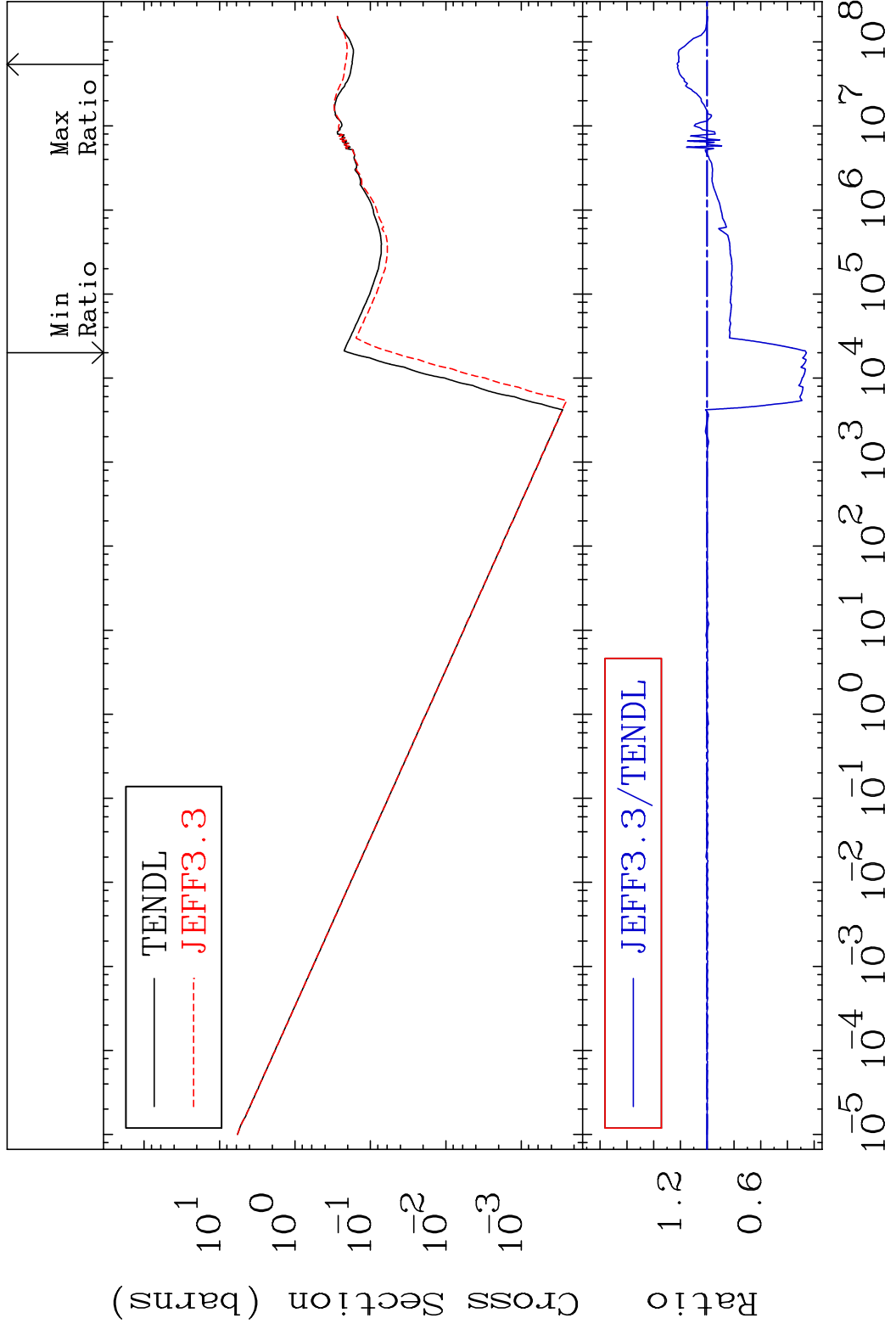
MAT 1628 He-3 Production 16-S -33
 Cross Section -100.0 To 25.29 %



MAT 1628

He-4 Production
Cross Section

16-S -33
-74.18 To 22.41 %

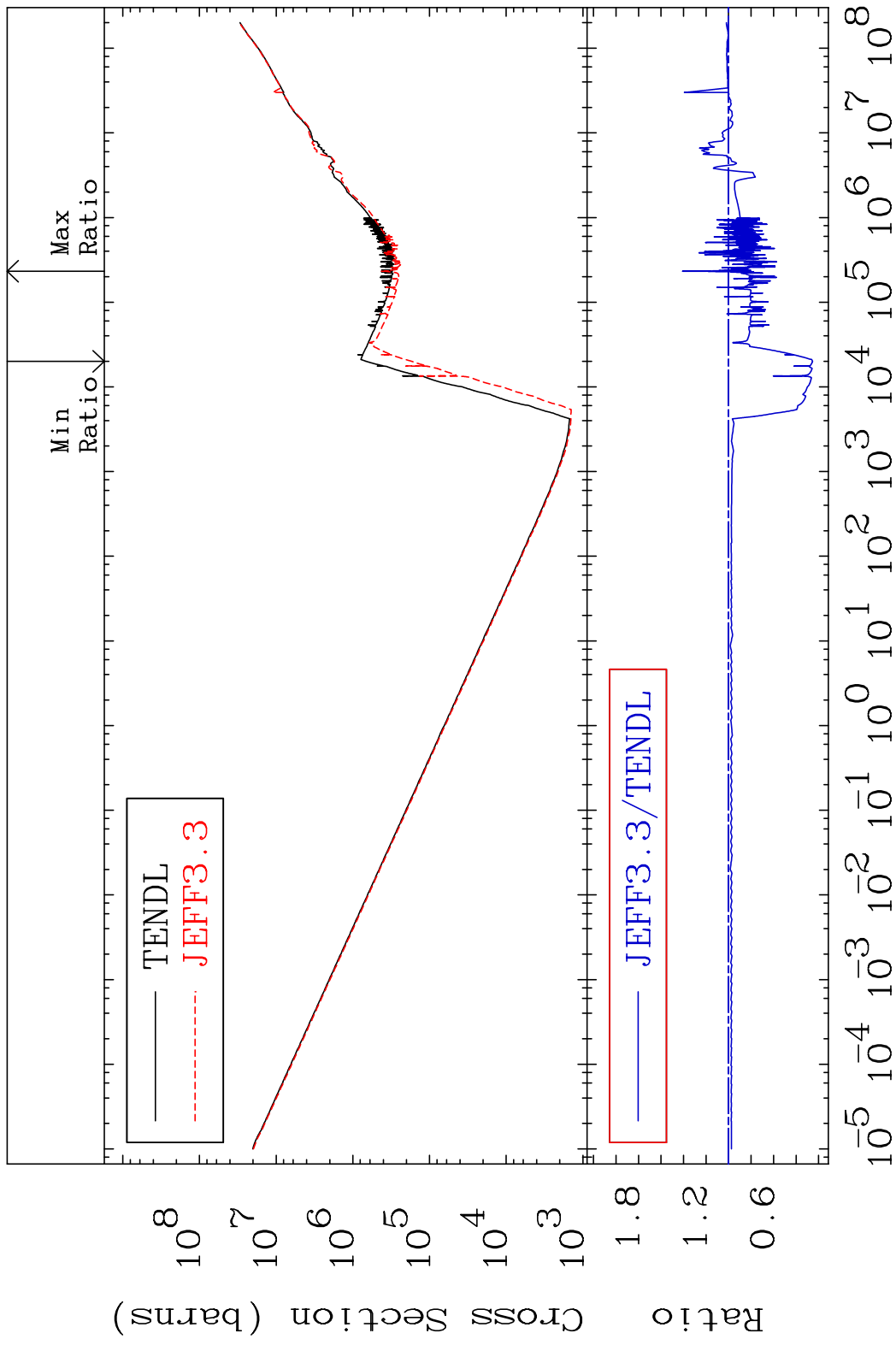


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Incident Energy (eV)

16-S -33

MAT 1628 Kerma total (eV-barns) 16-S -33
 Cross Section -74.63 To 41.05 %

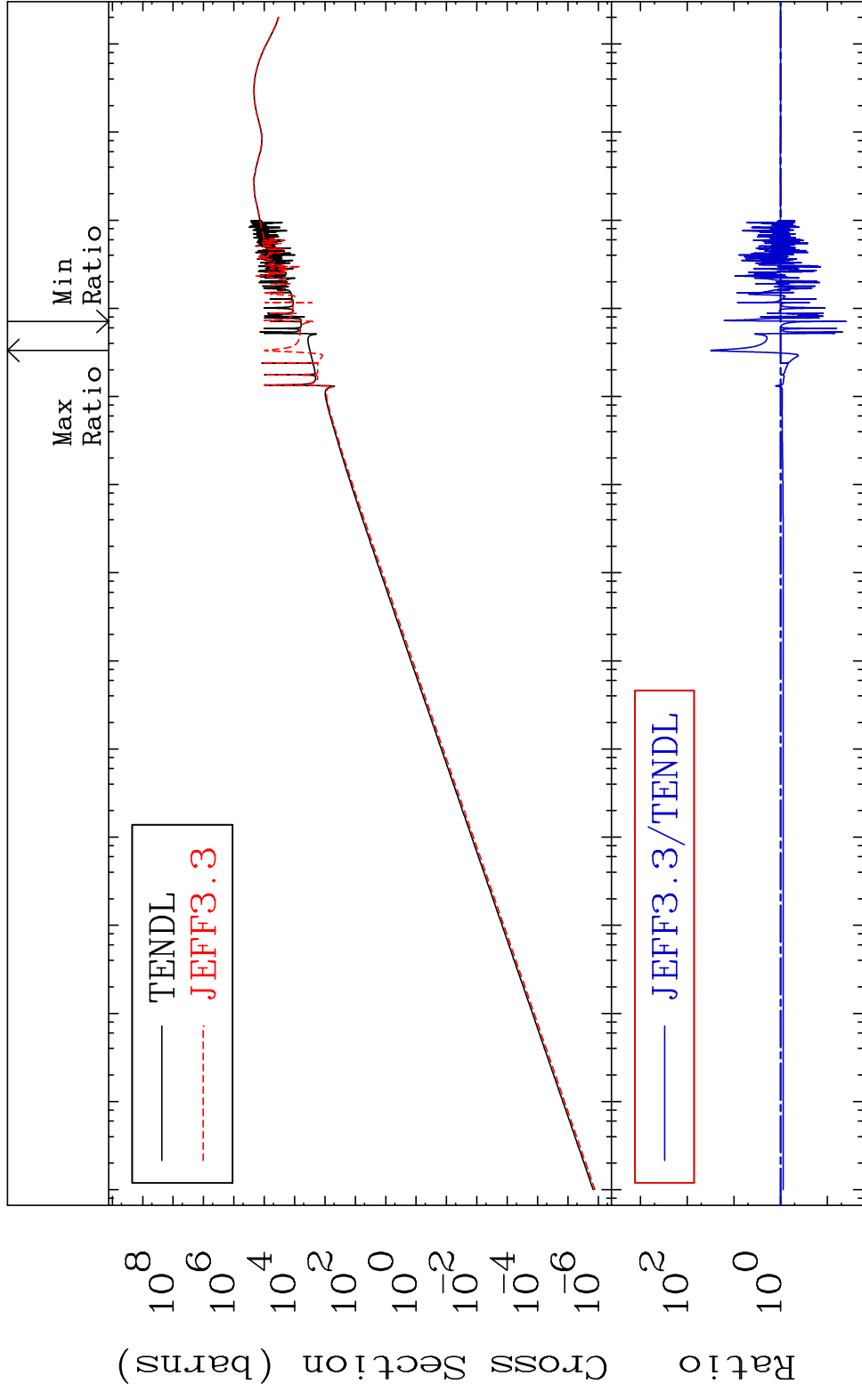


65 Incident Energy (eV) 16-S -33

MAT 1628

Kerma elastic
Cross Section

16-S -33
-96.08 To 3038. %



Cross Section (barns)
Ratio

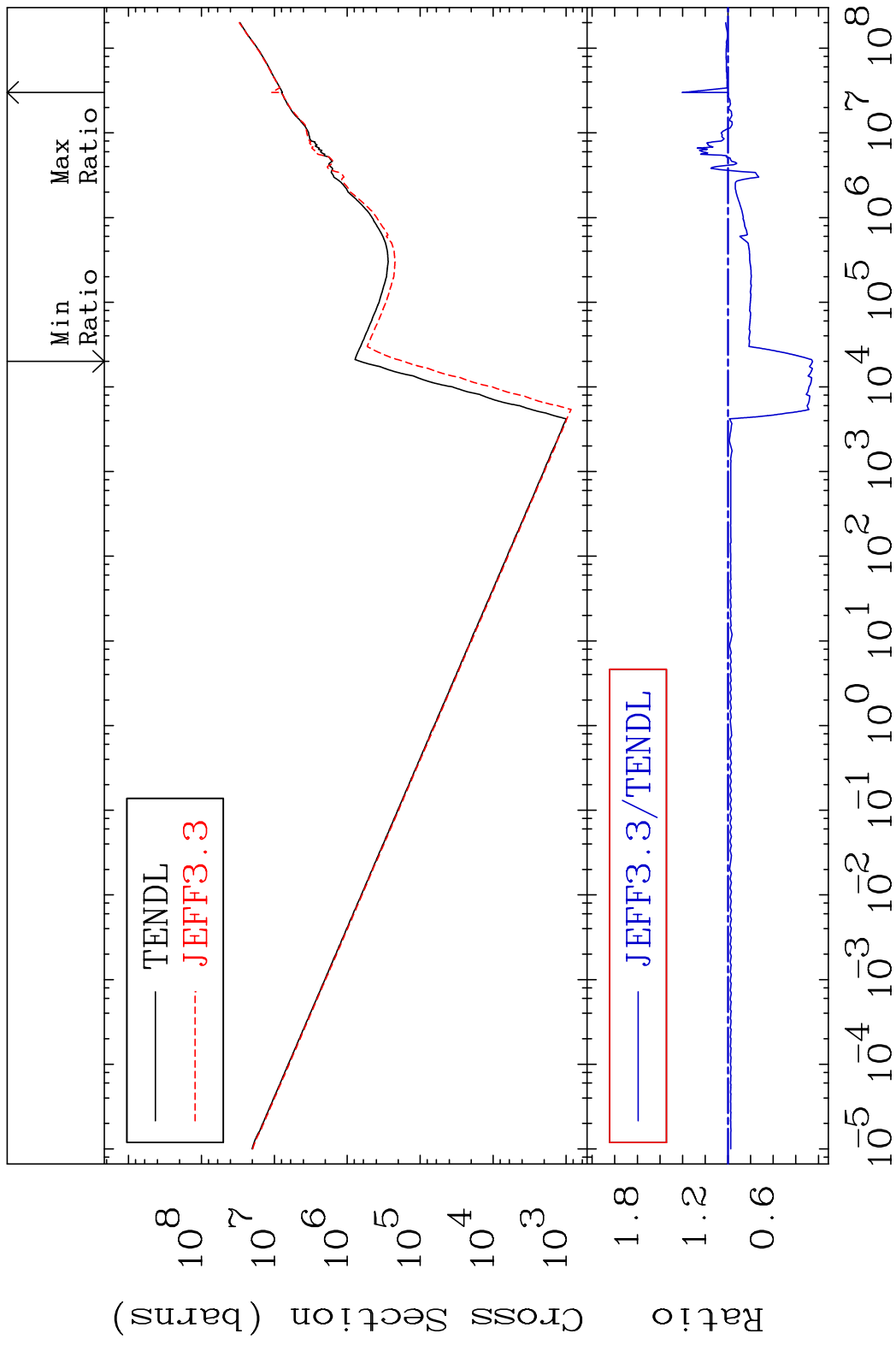
10⁸ 10⁶ 10⁴ 10² 10⁰ 10⁻² 10⁻⁴ 10⁻⁶ 10⁻⁸
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

66

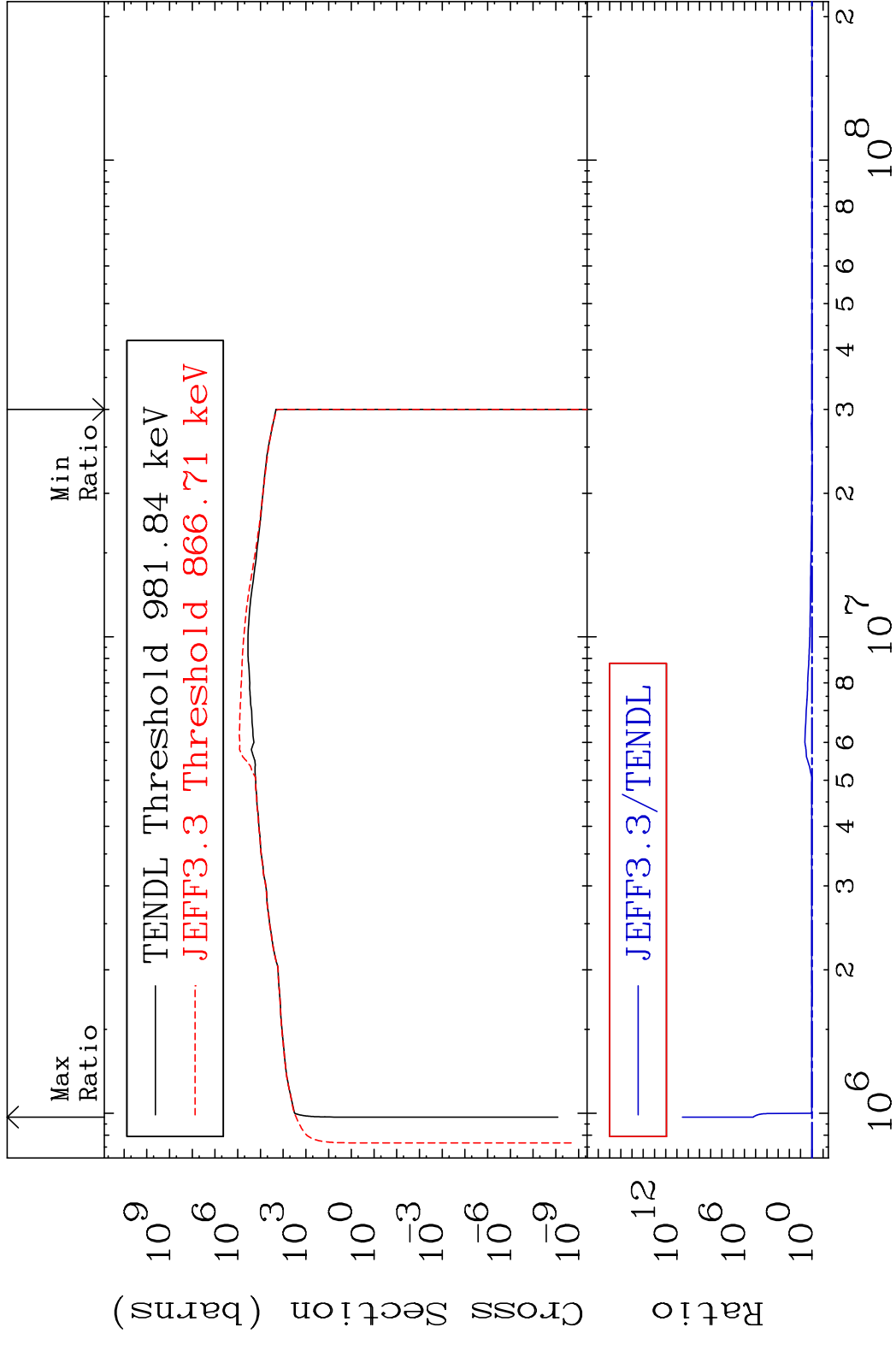
Incident Energy (eV)

16-S -33

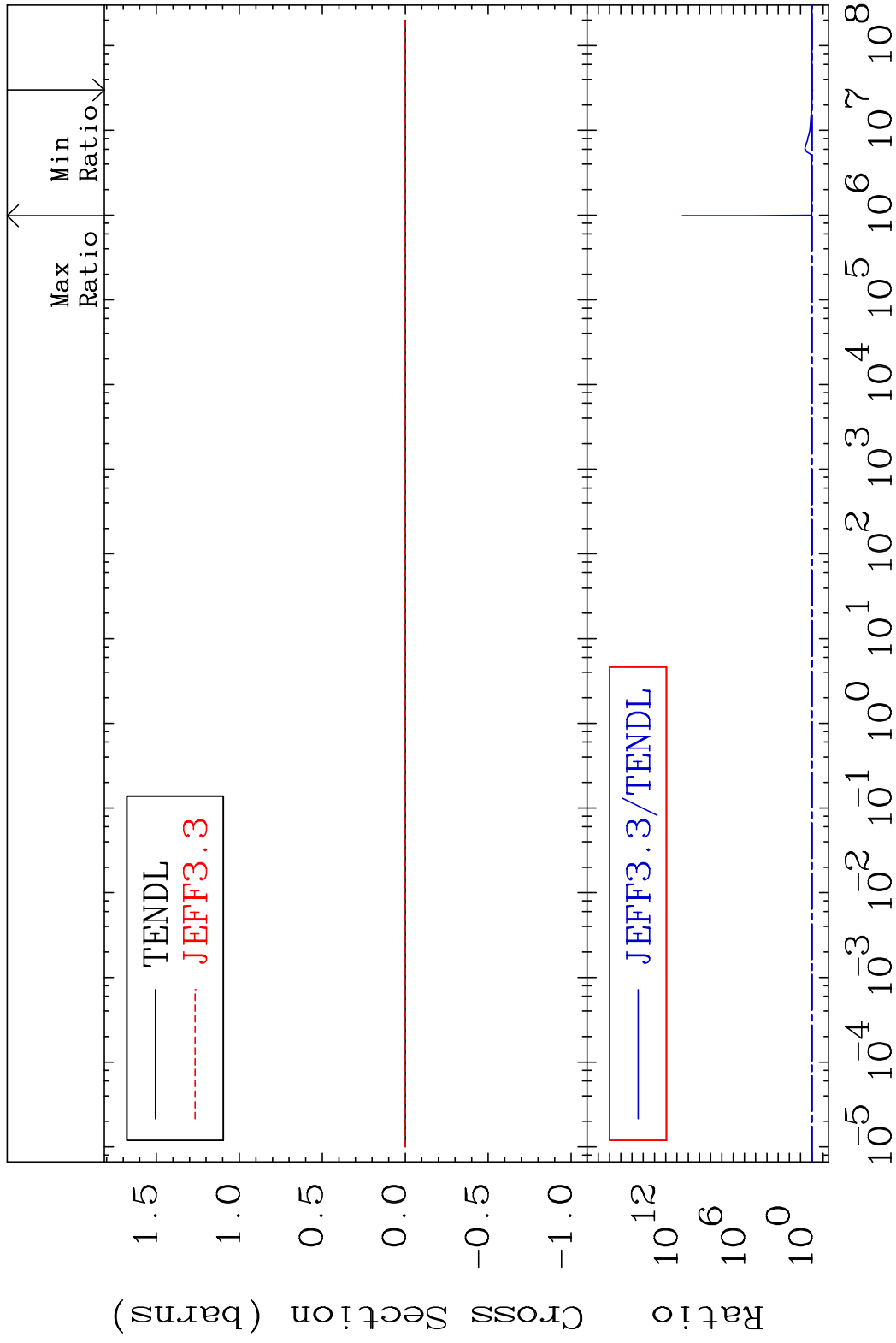
MAT 1628 Kerma non-elastic (all but mt2) 16-S -33
 Cross Section -74.81 To 40.26 %



MAT 1628 Kerma inelastic (mt51-91) 16-S -33
 Cross Section -13.54 To 9999. %

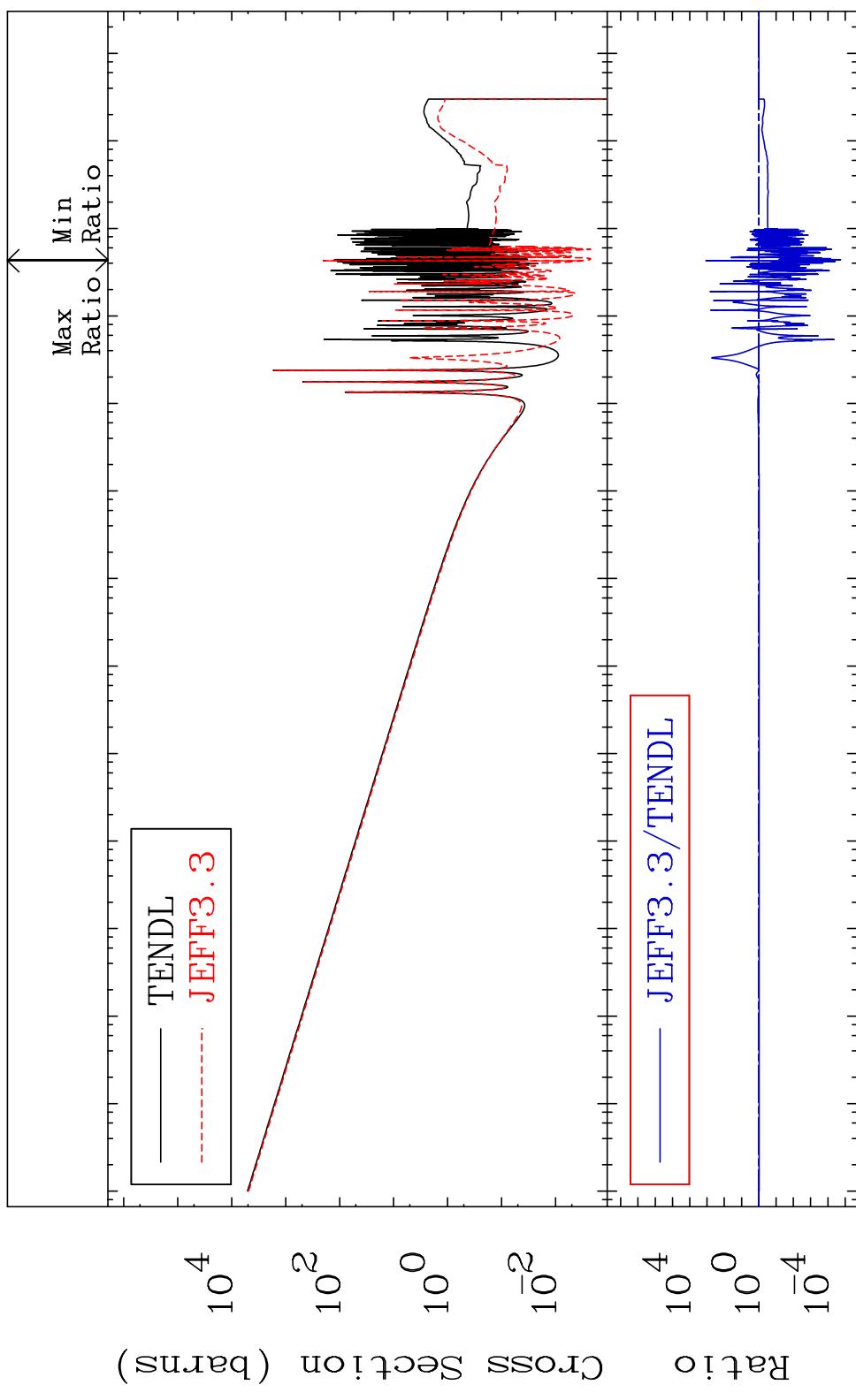


MAT 1628 Kerma fission (mt18 or mt19-20-21-38) 16-S -33
 Cross Section -13.54 To 9999. %



MAT 1628

Kerma capture (mt102) 16-S -33
Cross Section -100.0 To 9999. %

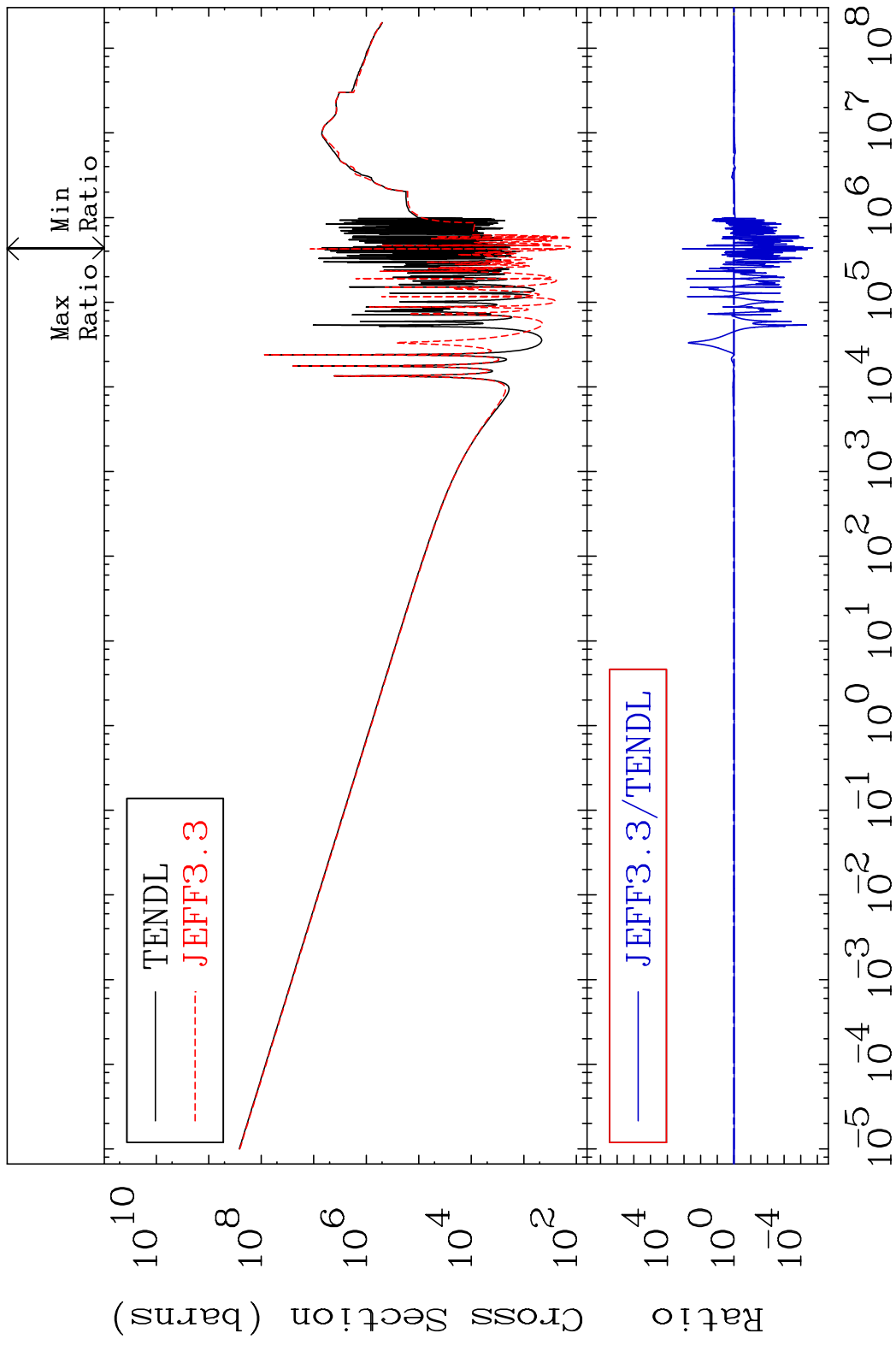


70

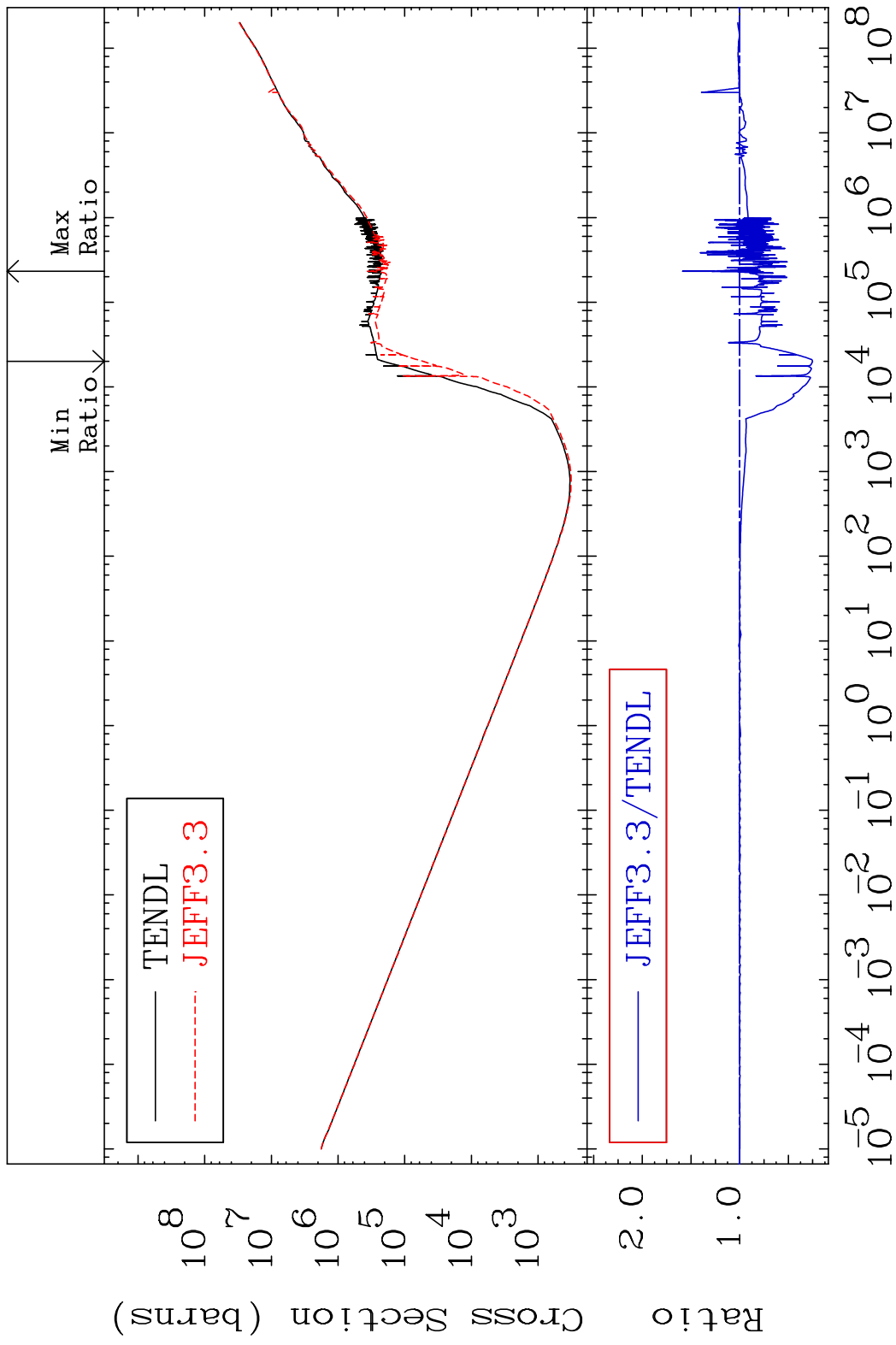
Incident Energy (eV)

16-S -33

MAT 1628 Total photon (eV-barns) 16-S -33
 Cross Section -100.0 To 9999. %

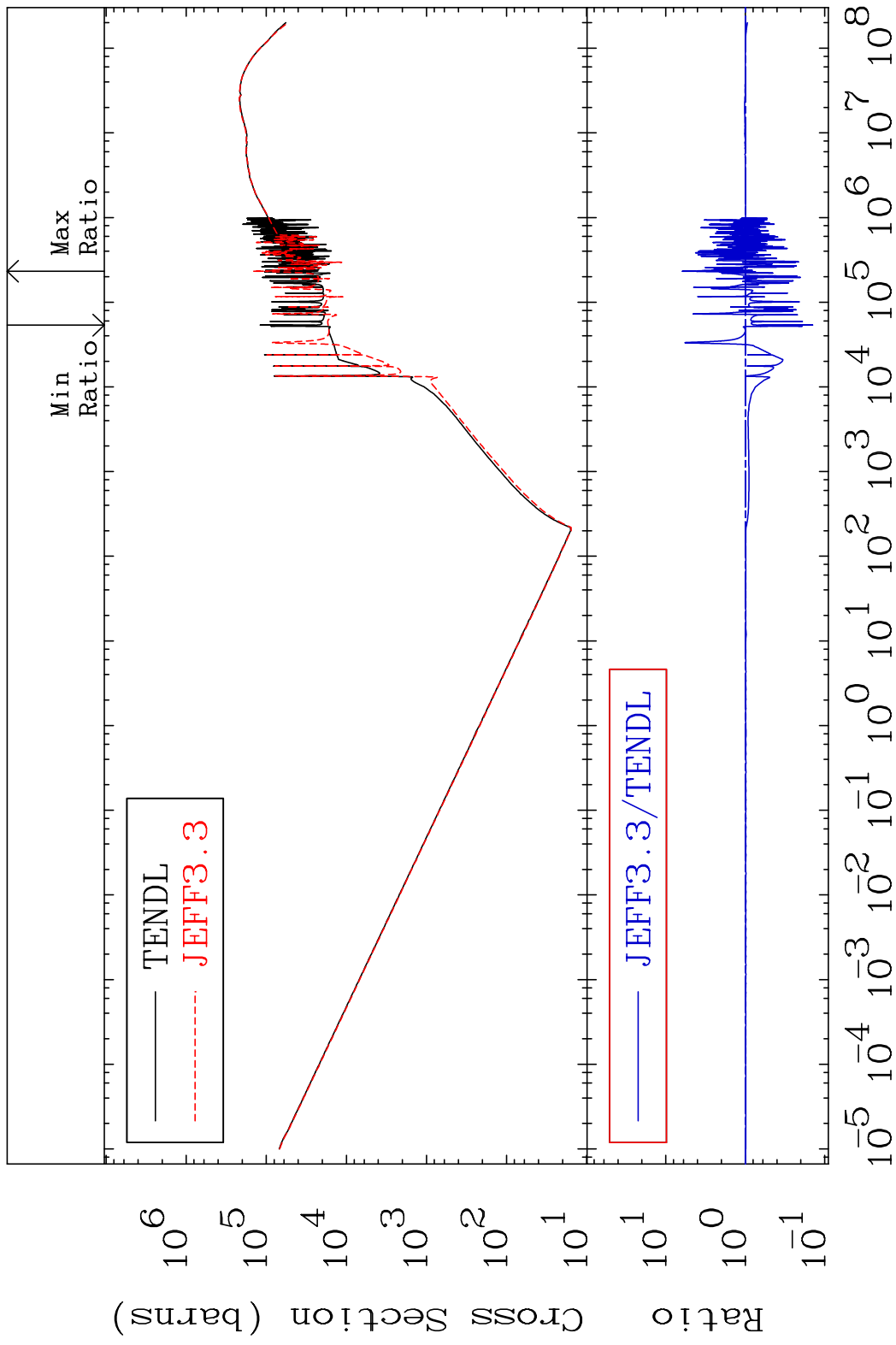


MAT 1628 Total kinematic kerma (high limit) 16-S -33
 Cross Section -74.88 To 58.91 %



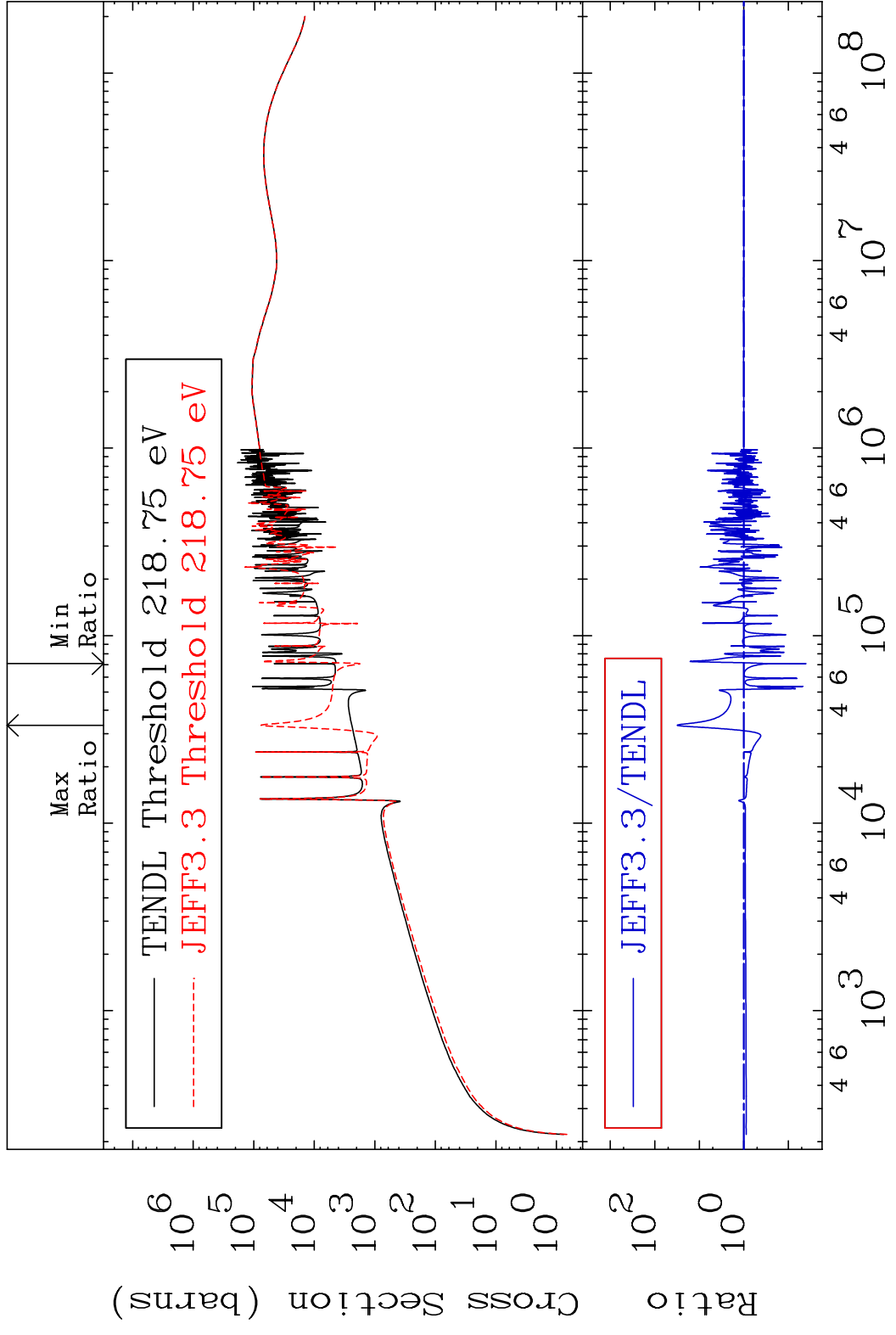
72 Incident Energy (eV) 16-S -33

MAT 1628 Dpa total (eV-barns) 16-S -33
 Cross Section -85.75 To 519.6 %

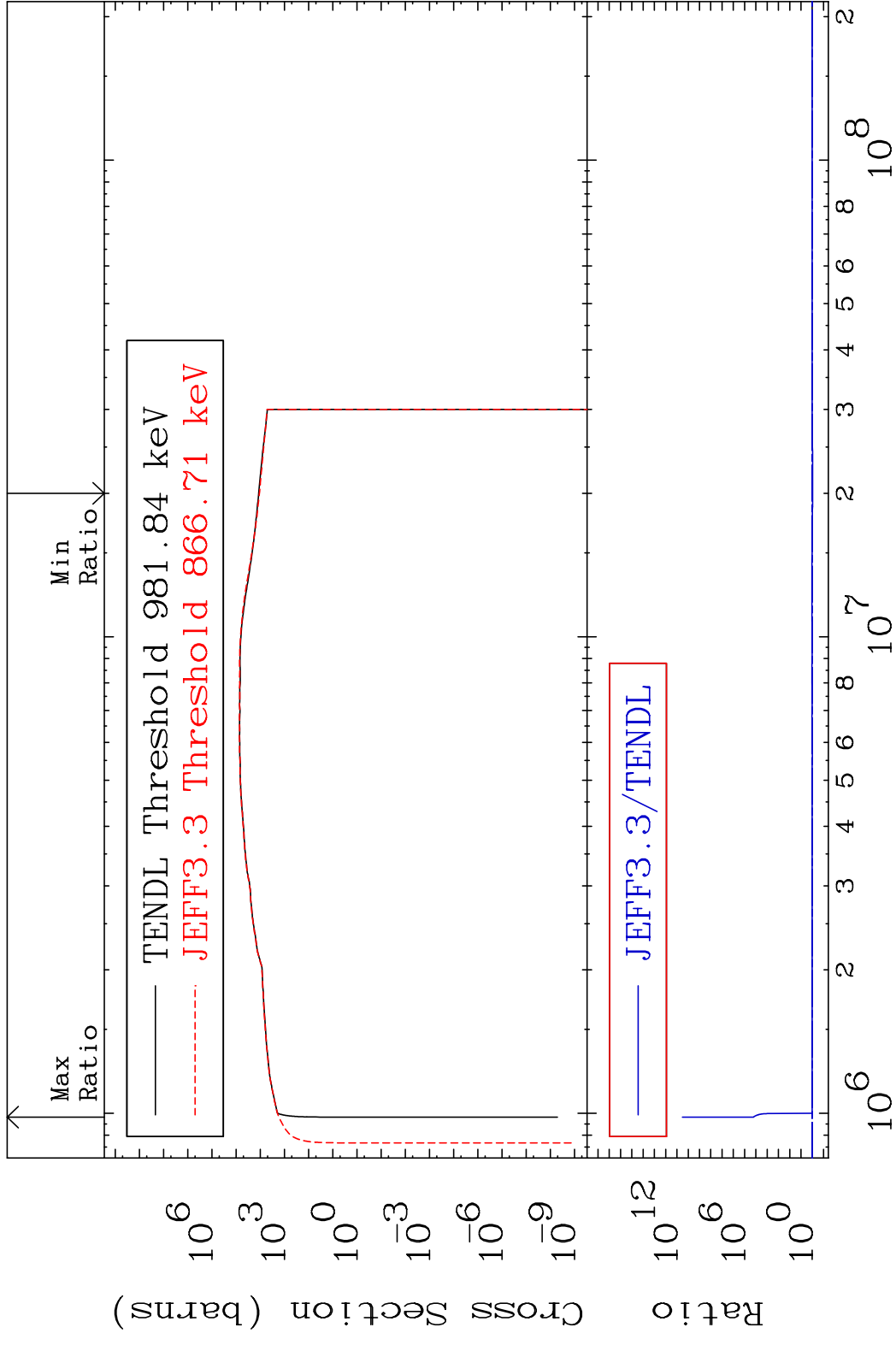


73 Incident Energy (eV) 16-S -33

MAT 1628 Dpa elastic (mt2) 16-S -33
 Cross Section -96.08 To 3038. %



MAT 1628 Dpa inelastic (mt51-91) 16-S -33
 Cross Section -6.258 To 9999. %



75 Incident Energy (eV) 16-S -33

MAT 1628 Dpa disappearance (mt102 -120) 16-S -33
 Cross Section -74.55 To 6.197 %

