

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

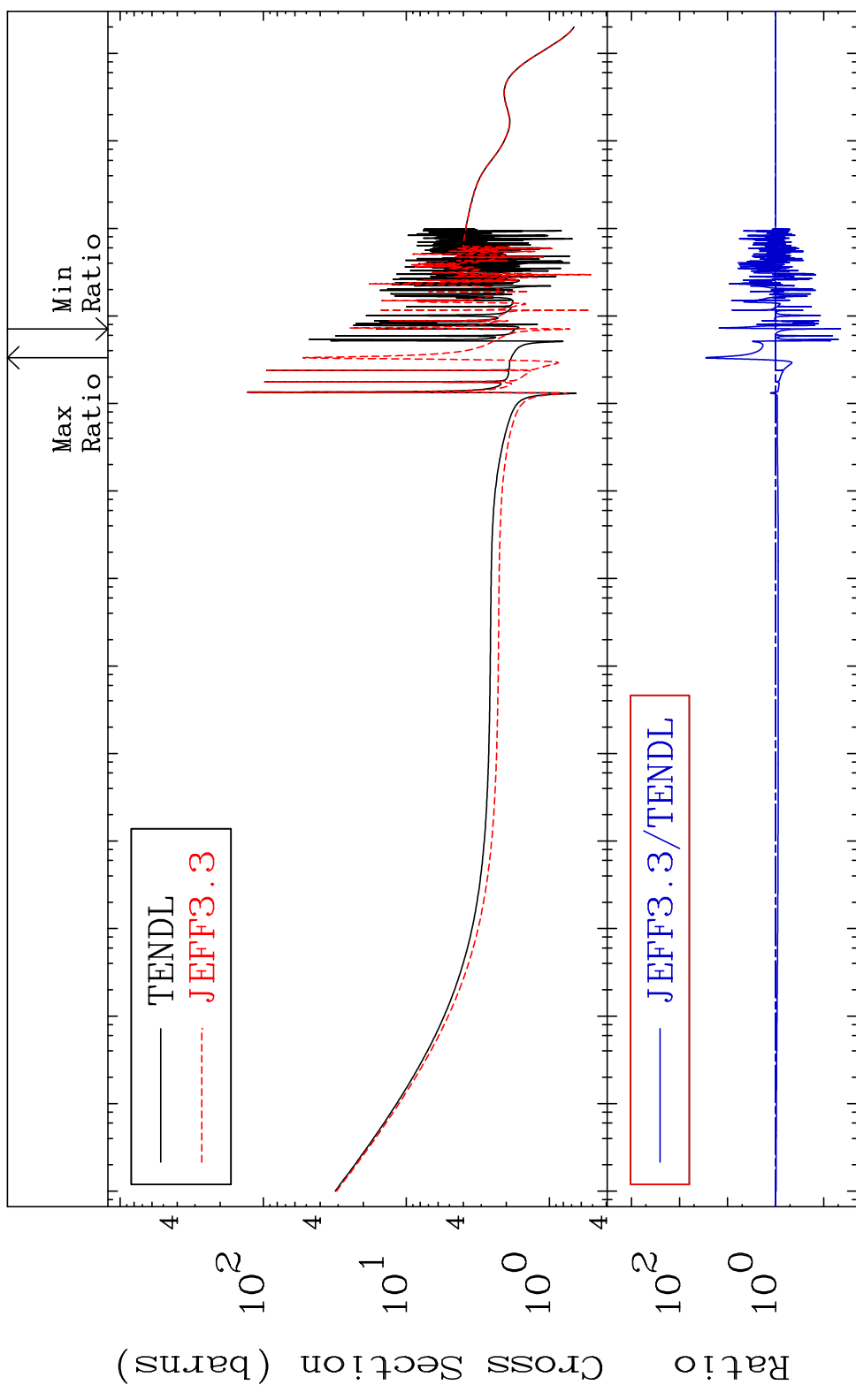
MAT 1628

Total

16-S -33

Cross Section

-95.53 To 2745. %



Ratio

10²

10¹

10⁰

10⁻¹

10⁻²

10⁻³

10⁻⁴

10⁻⁵

10⁰

10¹

10²

10³

10⁴

10⁵

10⁶

10⁷

10⁸

1

Incident Energy (eV)

16-S -33

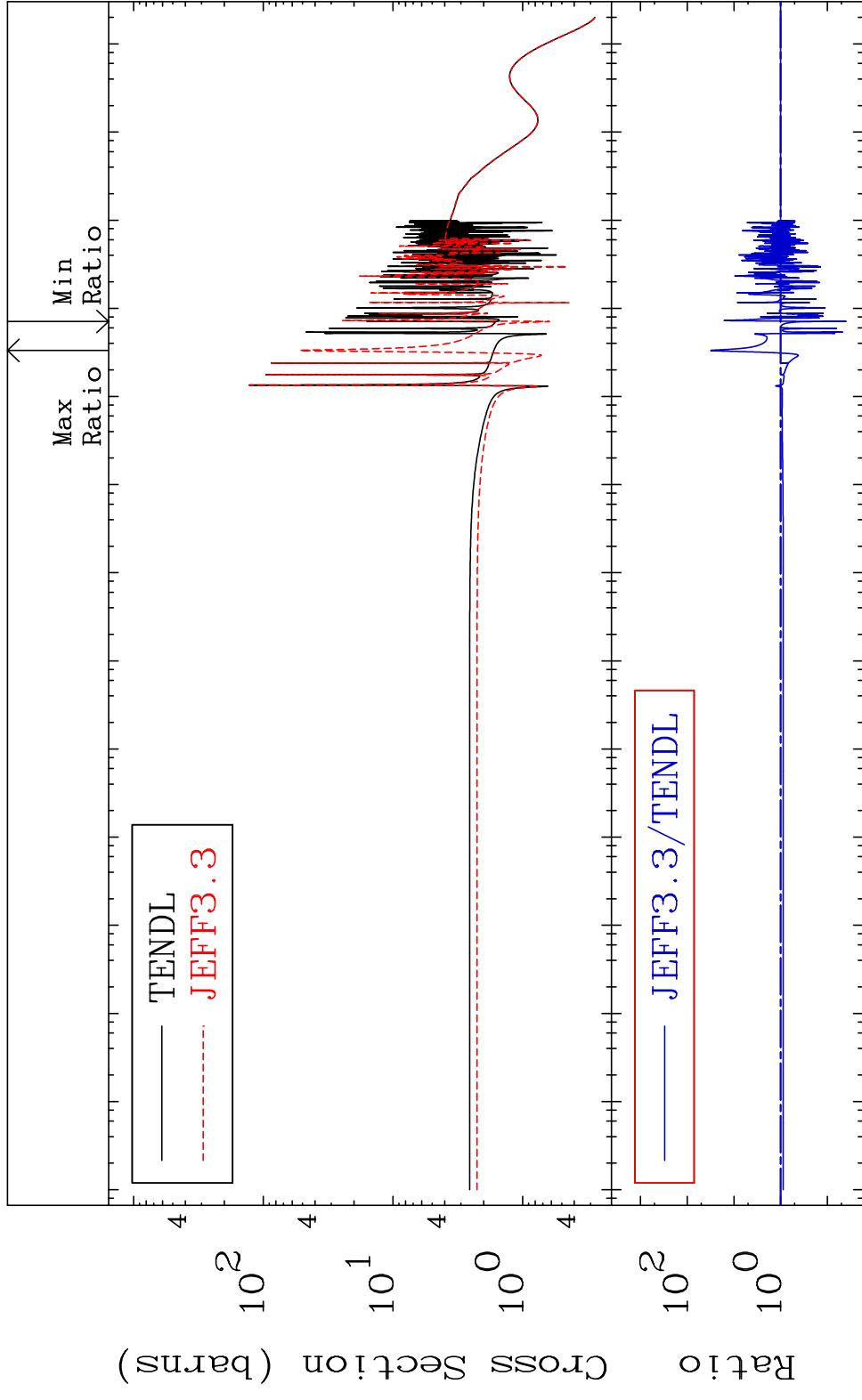
MAT 1628

Elastic

16-S -33

Cross Section

-96.08 To 3038. %

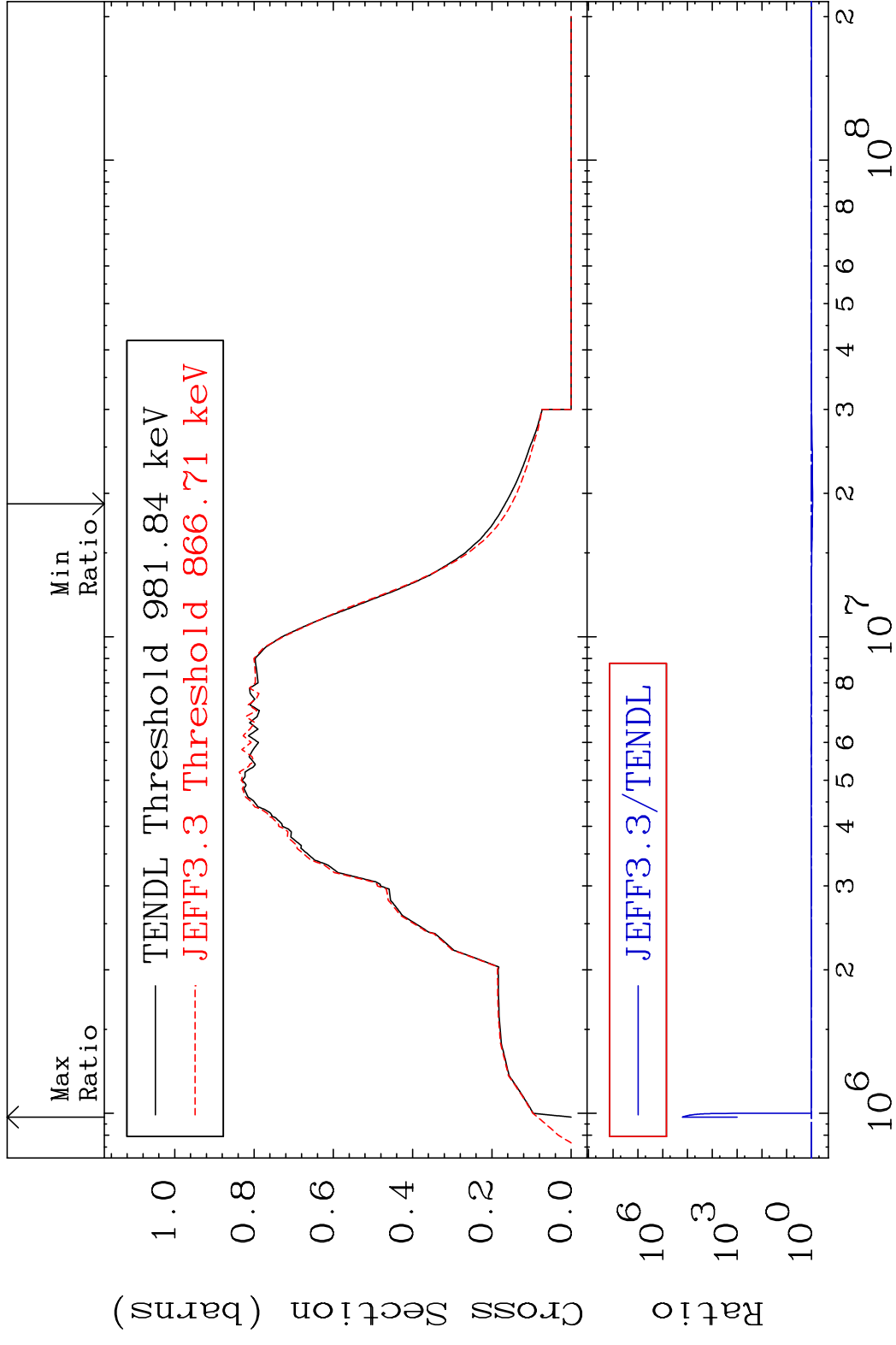


2

Incident Energy (eV)

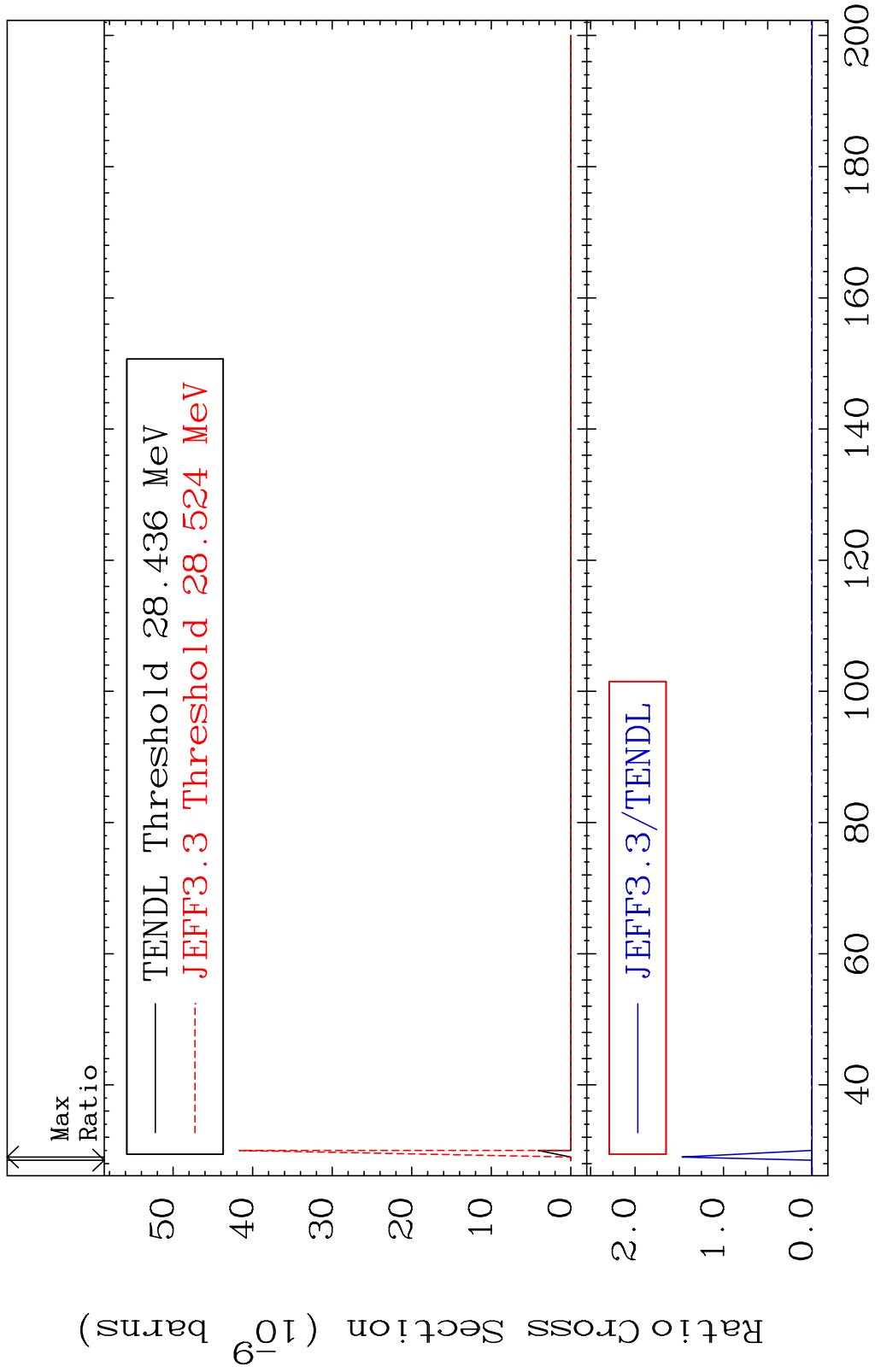
16-S -33

MAT 1628 Inelastic 16-S -33
 Cross Section -9.700 To 9999. %



3 Incident Energy (eV) 16-S -33

MAT 1628 (n,2n) d 16-S -33
 Cross Section -100.0 To 9999. %

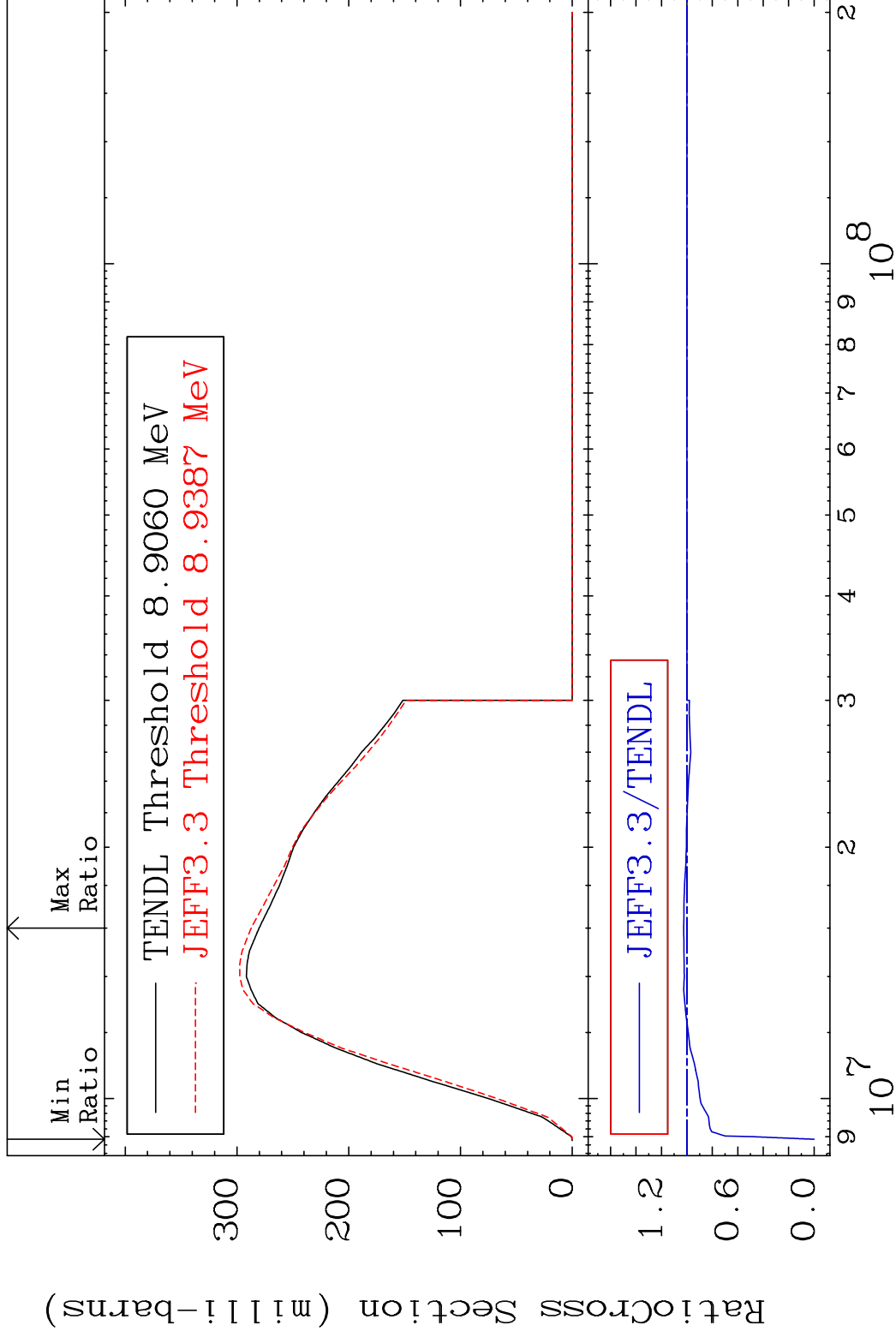


MAT 1628

(n,2n)

16-S -33

Cross Section -100.0 To 2.534 %



5

Incident Energy (eV)

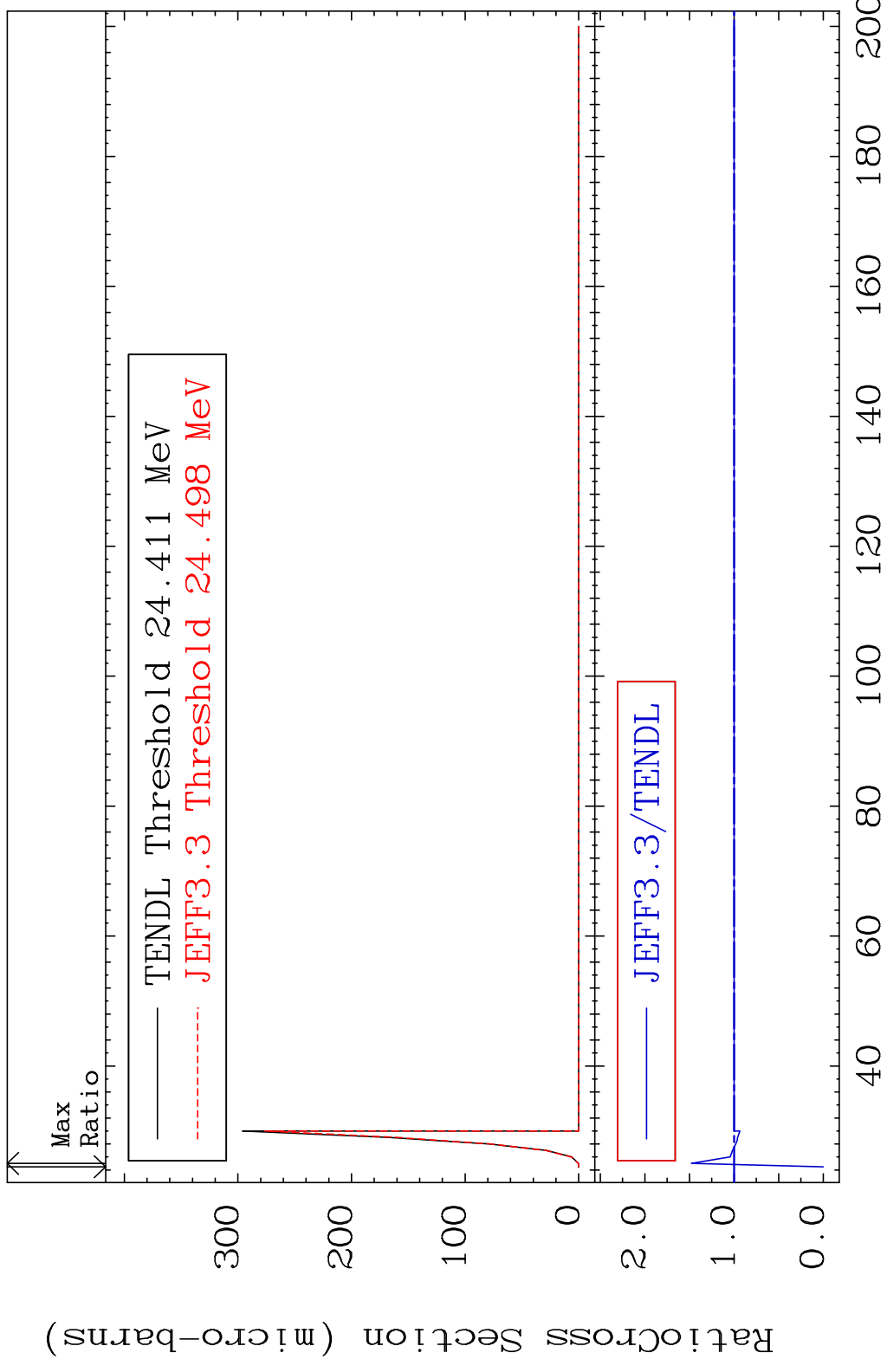
16-S -33

MAT 1628

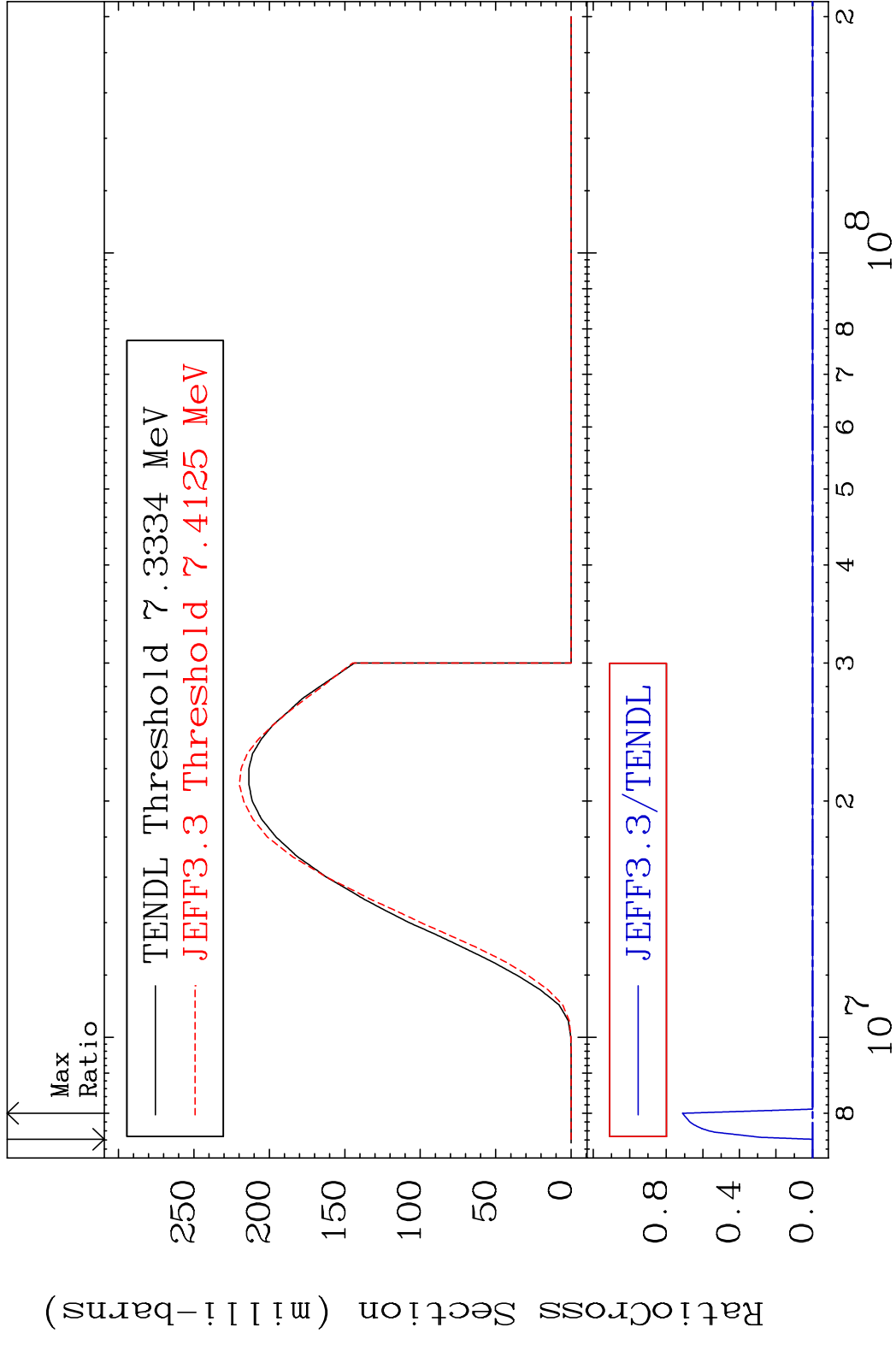
(n,3n)

16-S -33

Cross Section -100.0 To 47.87 %

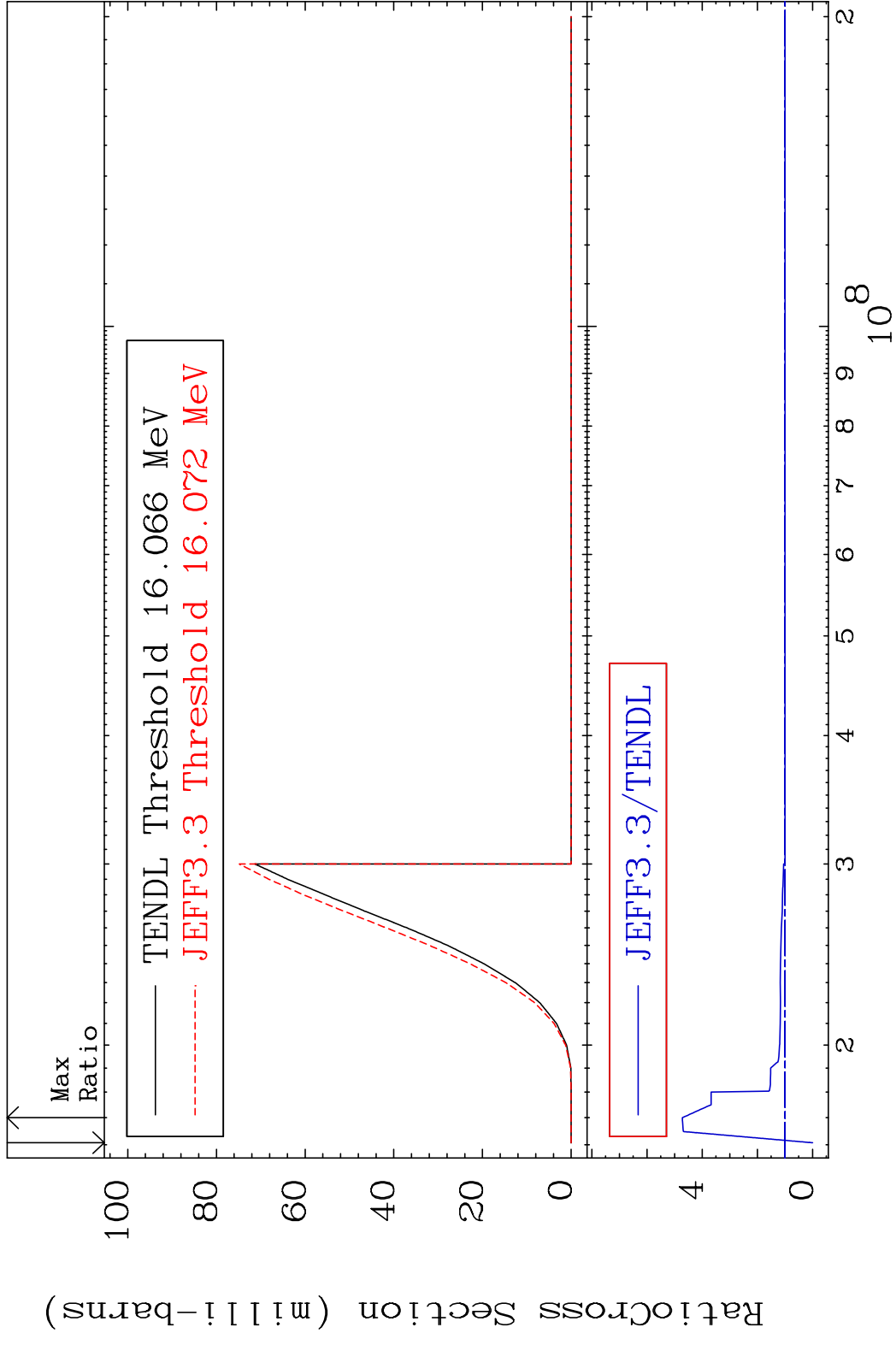


MAT 1628 (n, n') α 16-S -33
 Cross Section -100.0 To 9999. %

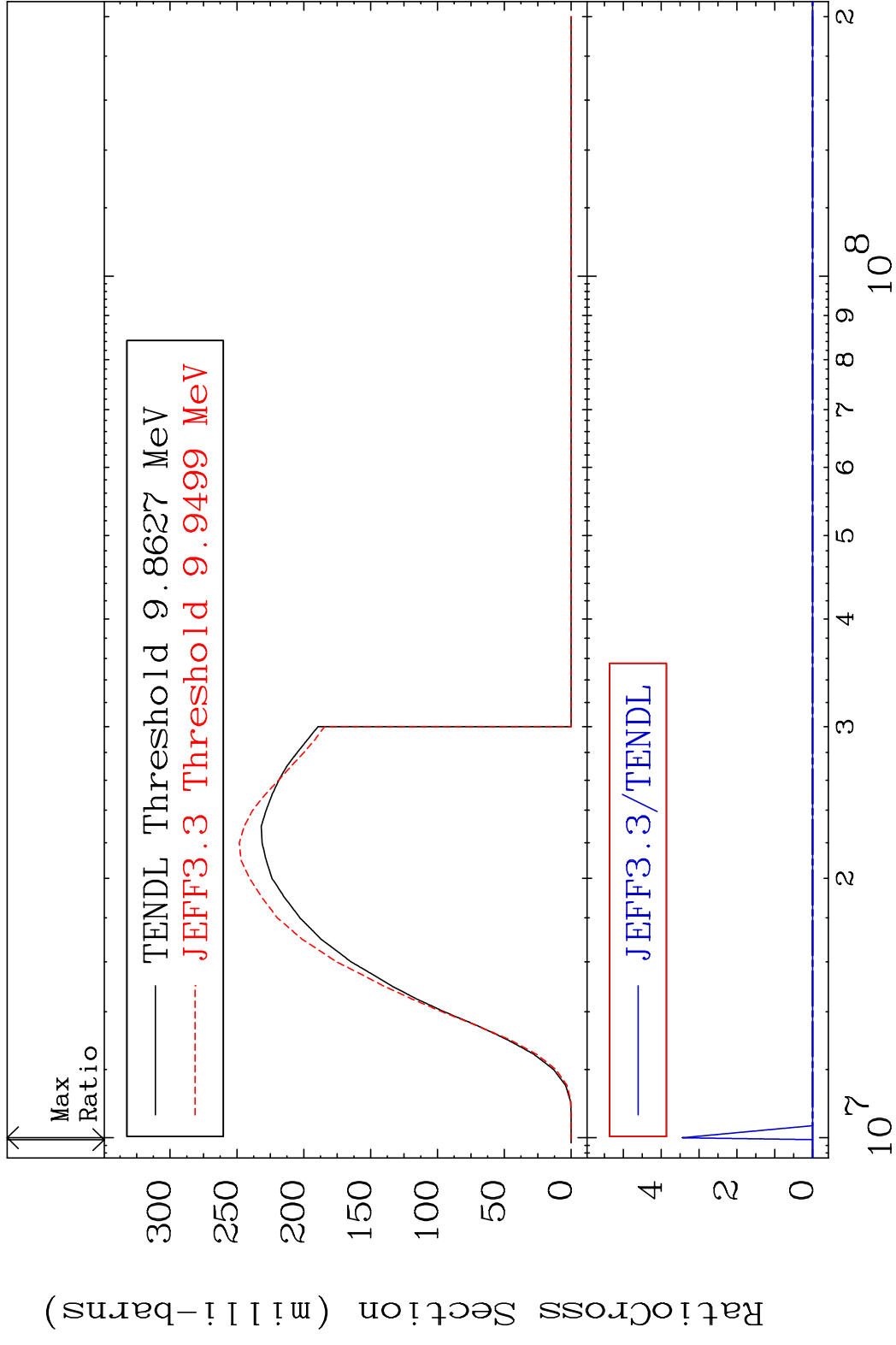


7 Incident Energy (eV) 16-S -33

MAT 1628 (n,2n) α 16-S -33
 Cross Section -100.0 To 371.7 %



MAT 1628 (n, n') p 16-S -33
 Cross Section -100.0 To 9999. %



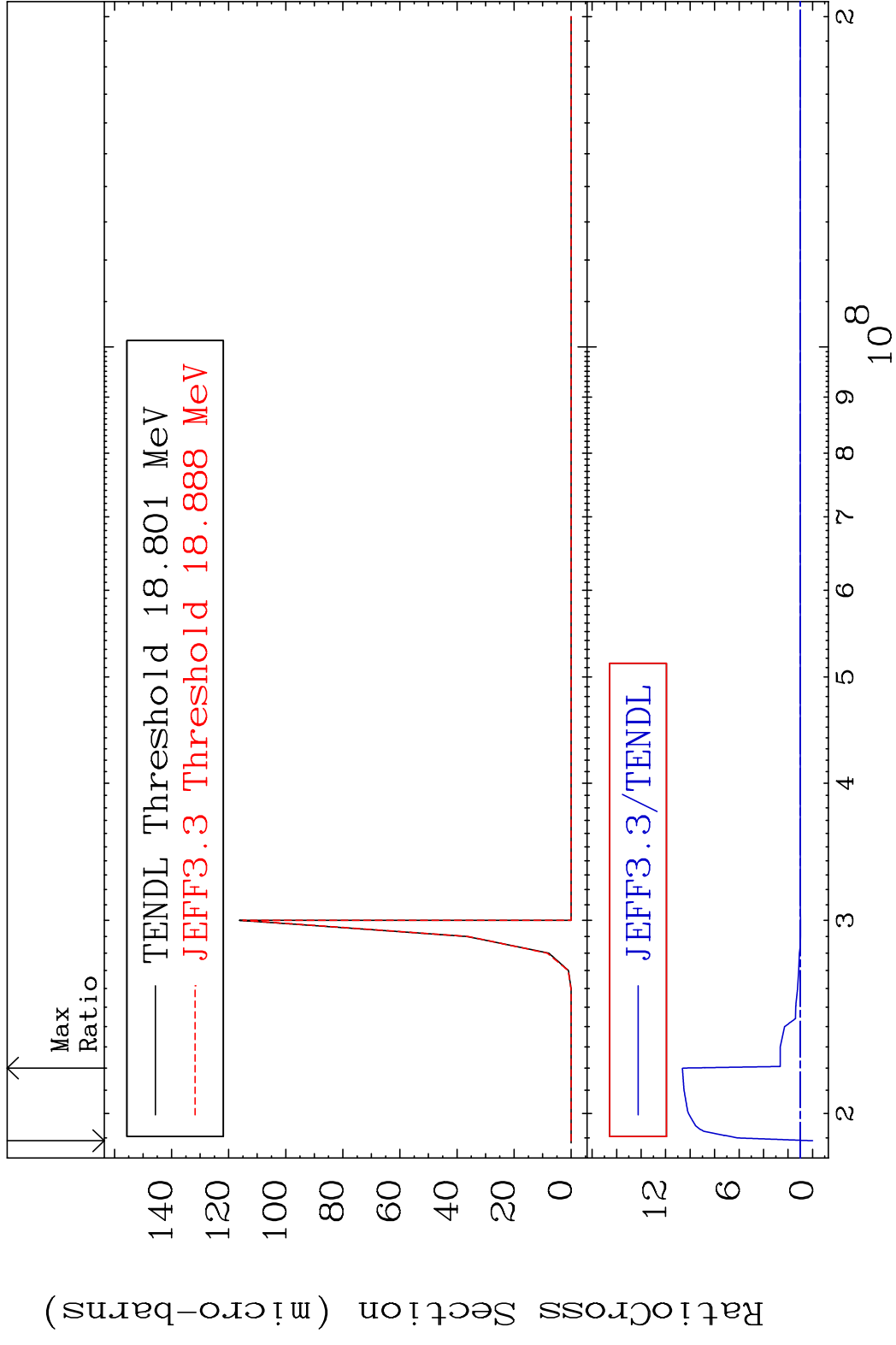
9 Incident Energy (eV) 16-S -33

MAT 1628

(n, n') 2 α

16-S -33

Cross Section -100.0 To 963.3 %

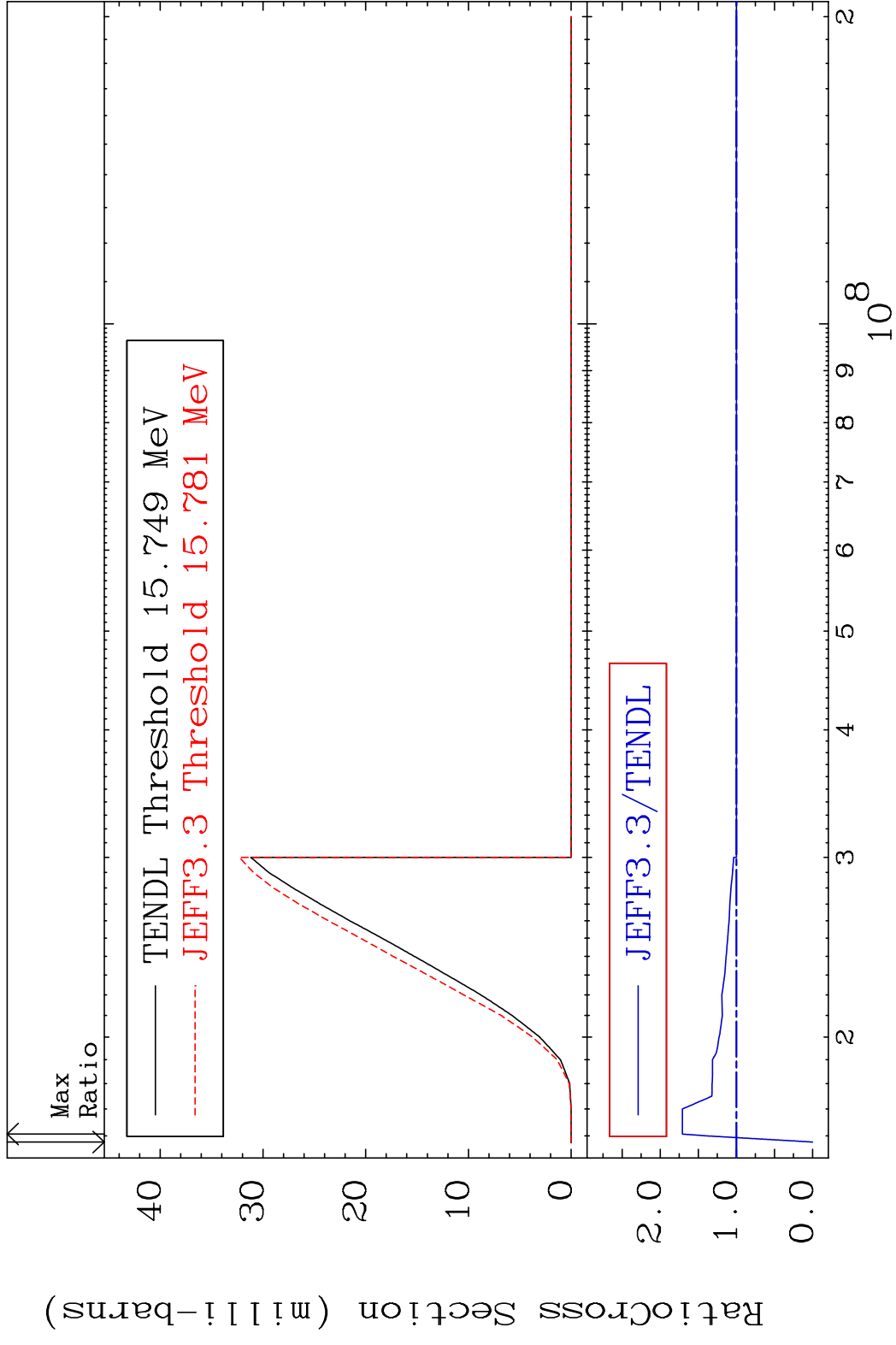


10

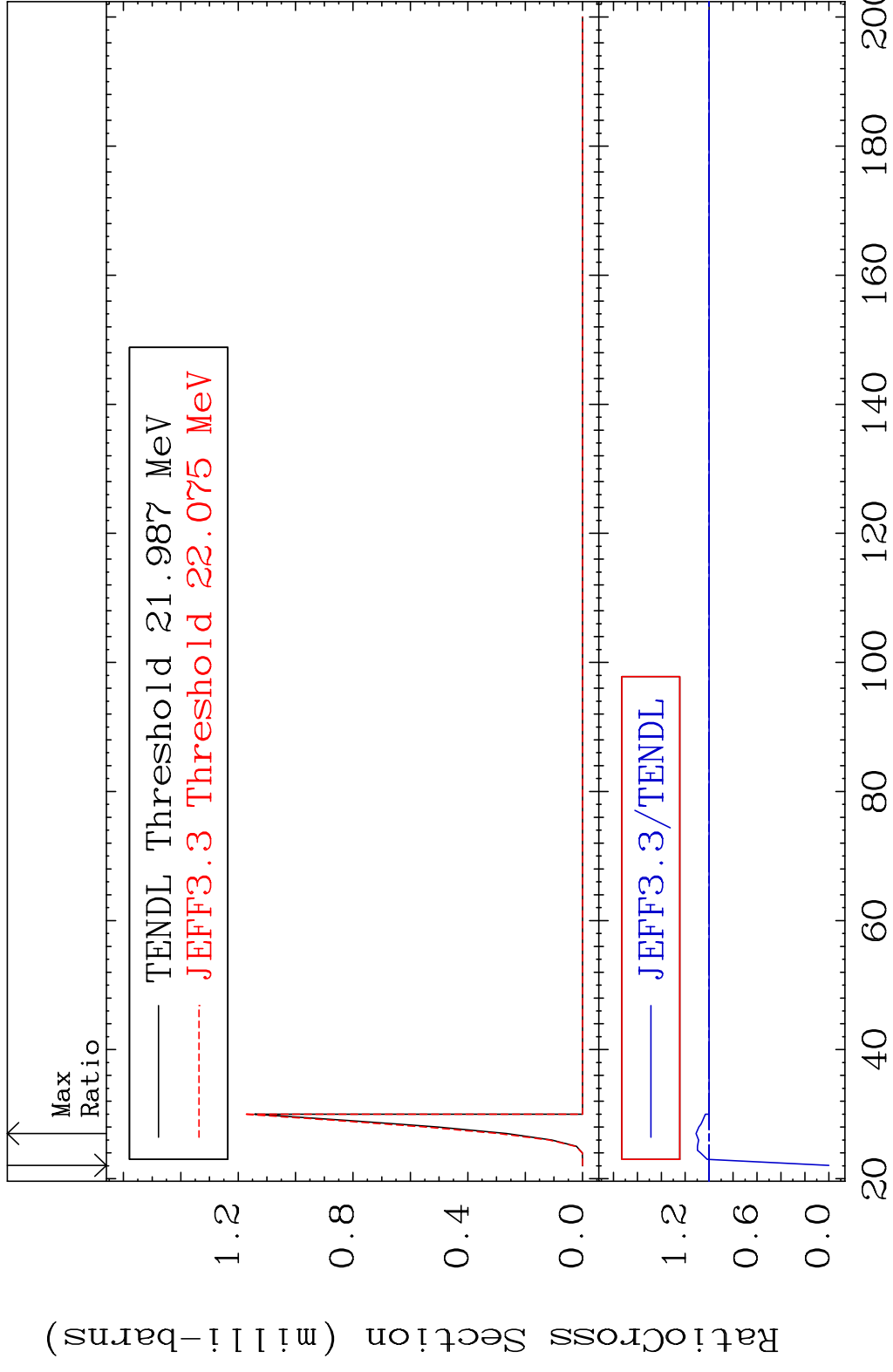
Incident Energy (eV)

16-S -33

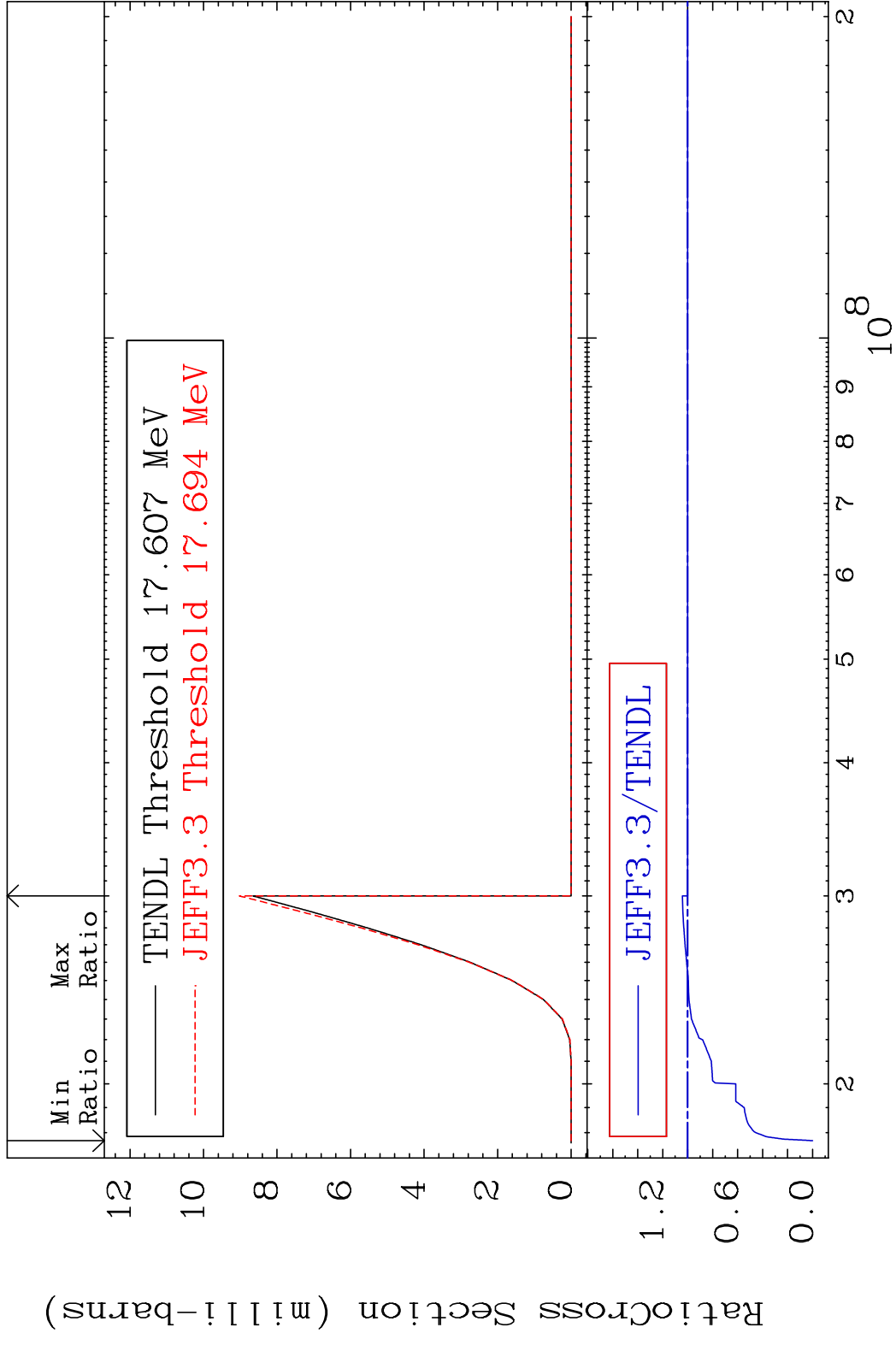
MAT 1628 (n, n') d 16-S -33
 Cross Section -100.0 To 70.97 %



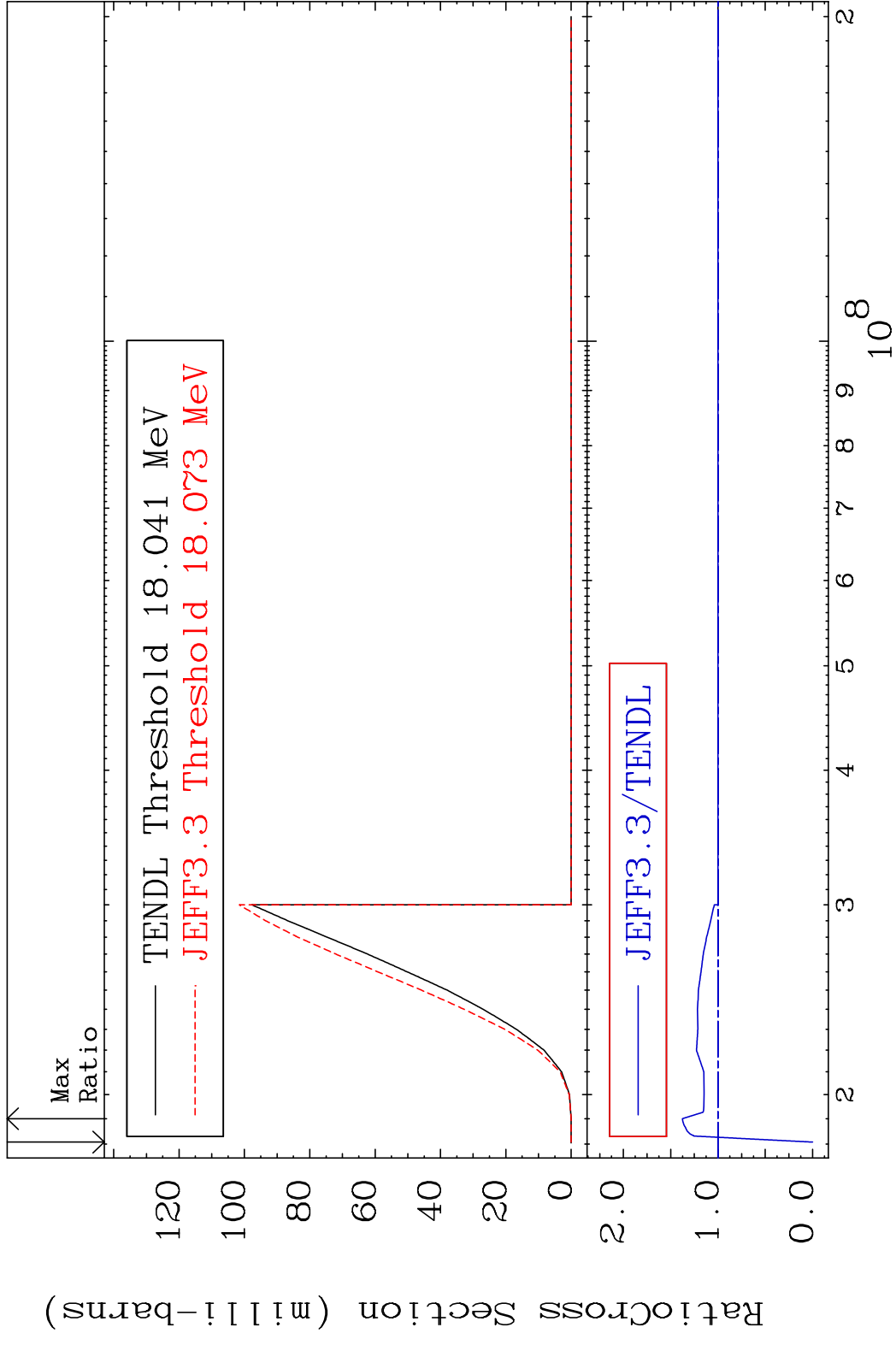
MAT 1628 (n, n') t 16-S -33
 Cross Section -100.0 To 10.98 %



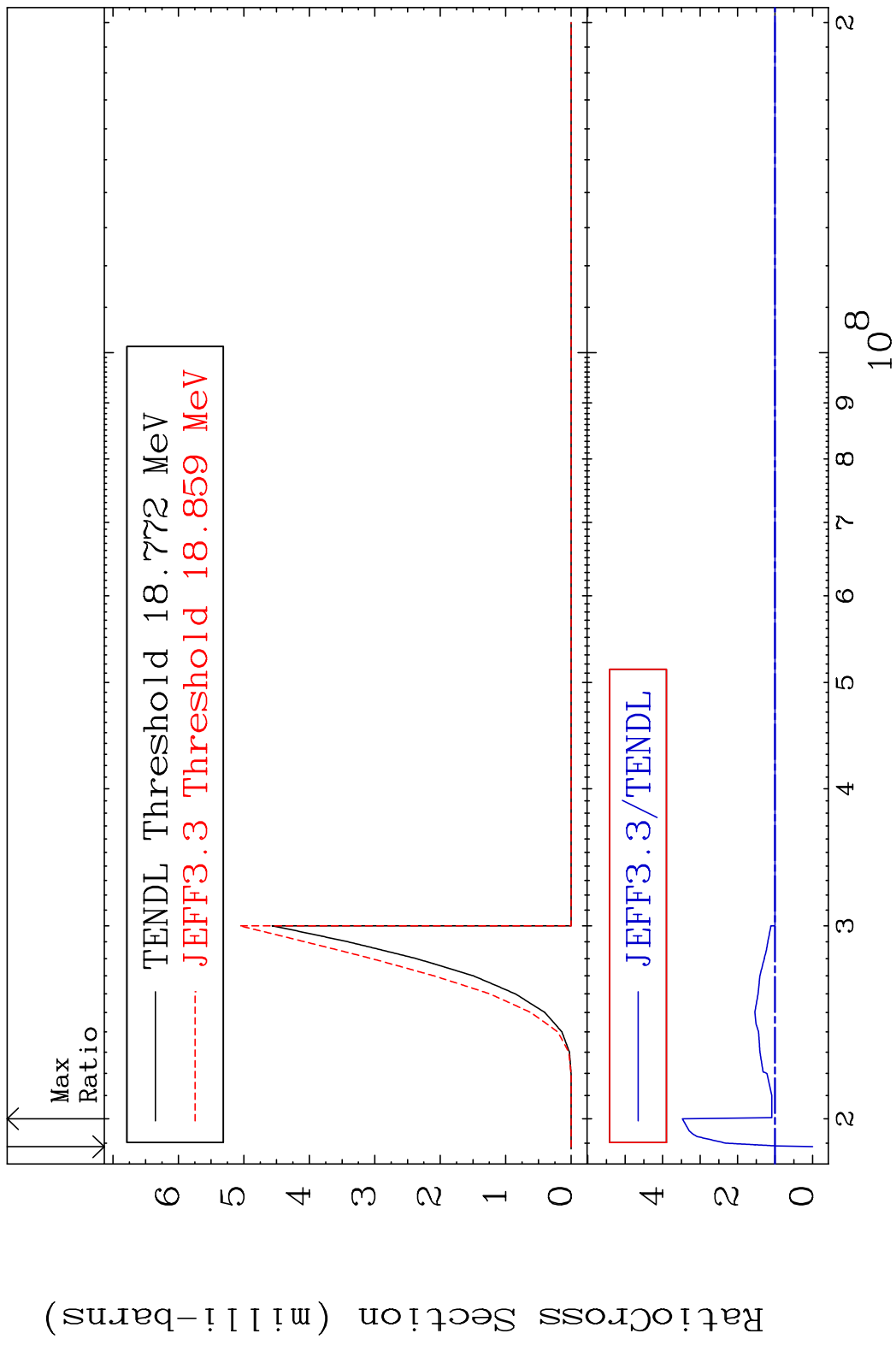
MAT 1628 (n,n') He-3 16-S -33
 Cross Section -100.0 To 4.272 %



MAT 1628 (n,2n) p 16-S -33
 Cross Section -100.0 To 37.66 %



MAT 1628 (n,2n) p 16-S -33
 Cross Section -100.0 To 247.4 %



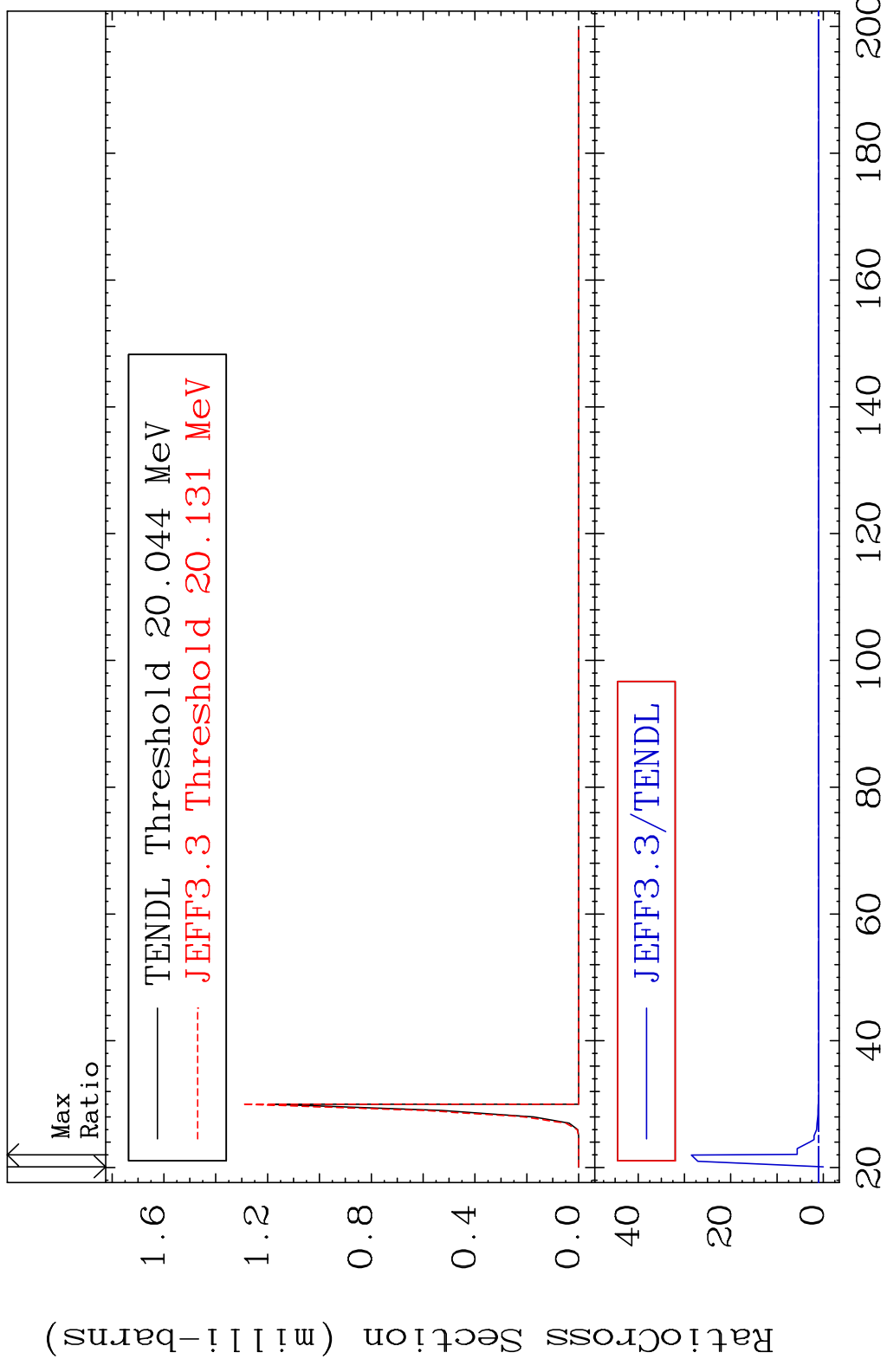
15 Incident Energy (eV) 16-S -33

MAT 1628

(n,n') p α

16-S -33

Cross Section -100.0 To 2752. %

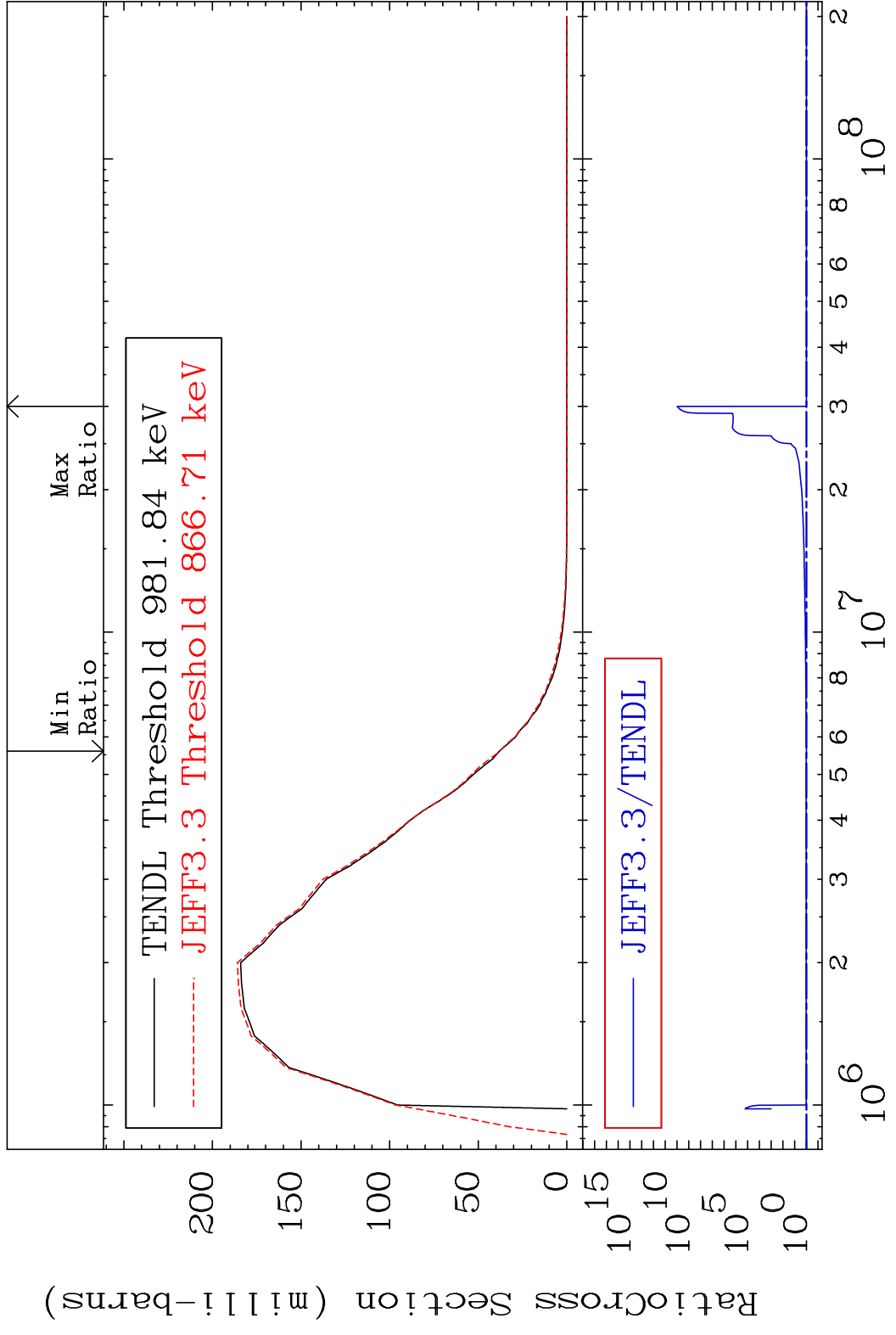


16

Incident Energy (MeV)

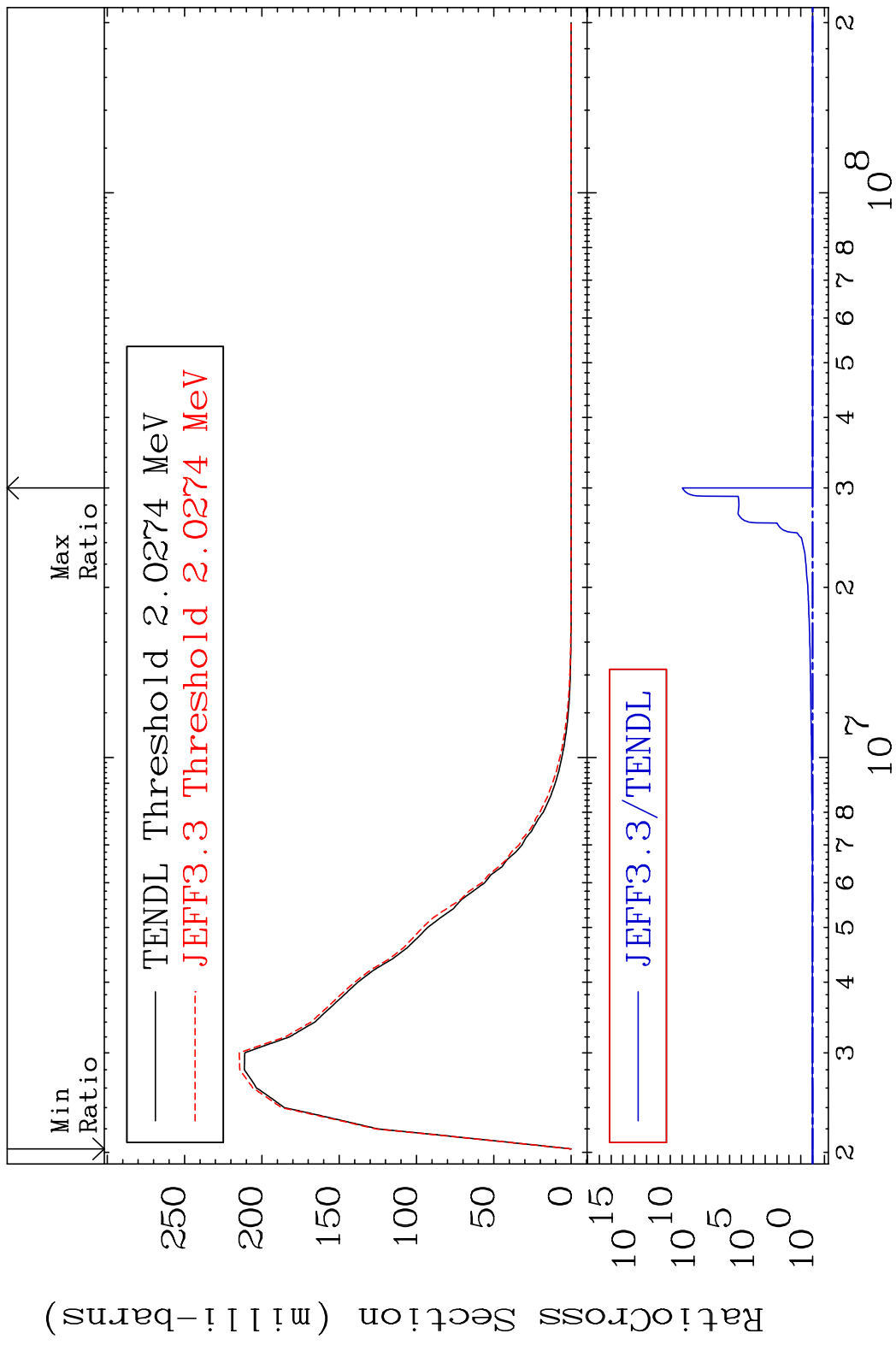
16-S -33

MAT 1628 MT= 51 (n,n') Level 16-S -33
 Cross Section -1.184 To 9999. %

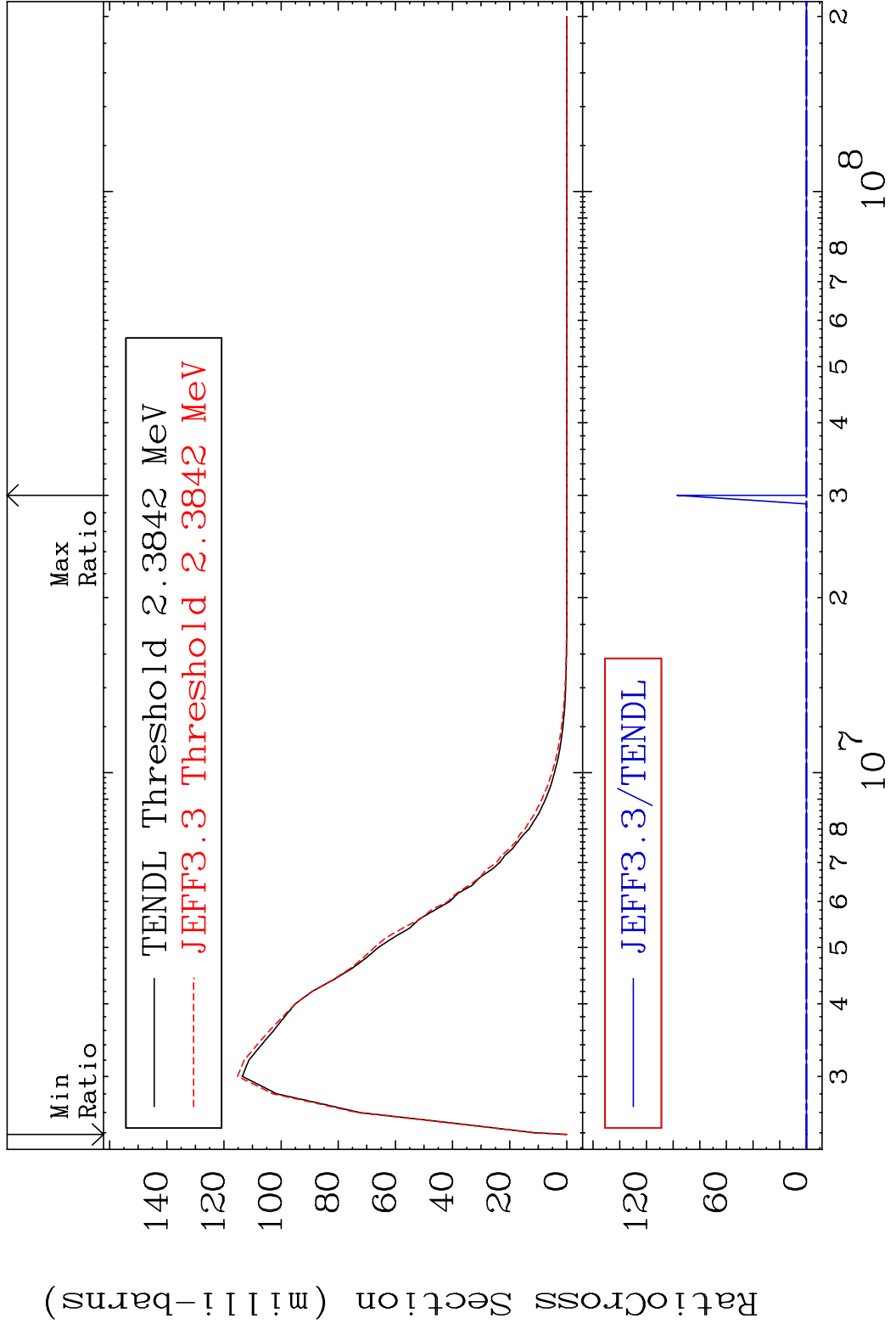


17 Incident Energy (eV) 16-S -33

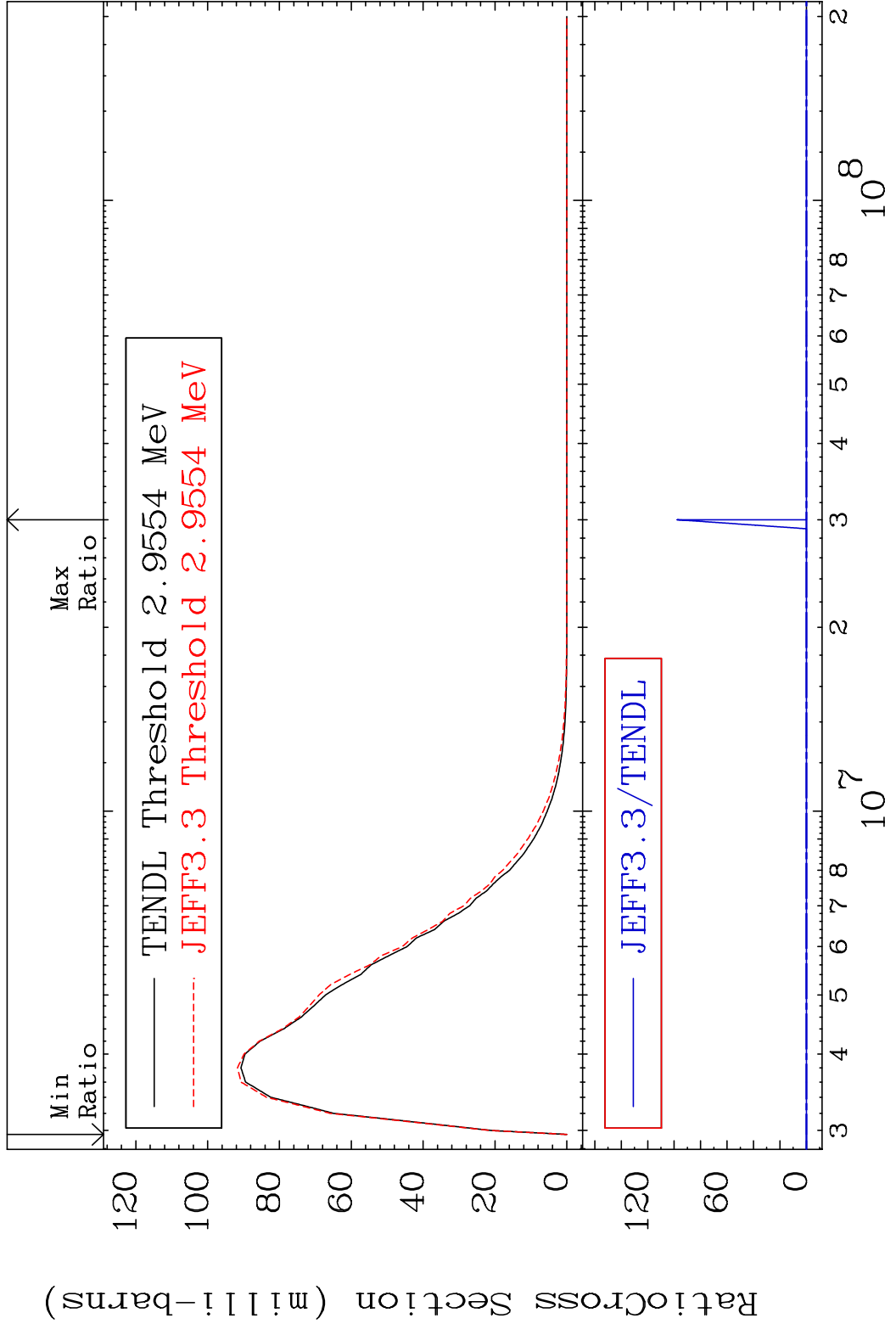
MAT 1628 MT= 52 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



MAT 1628 MT= 53 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

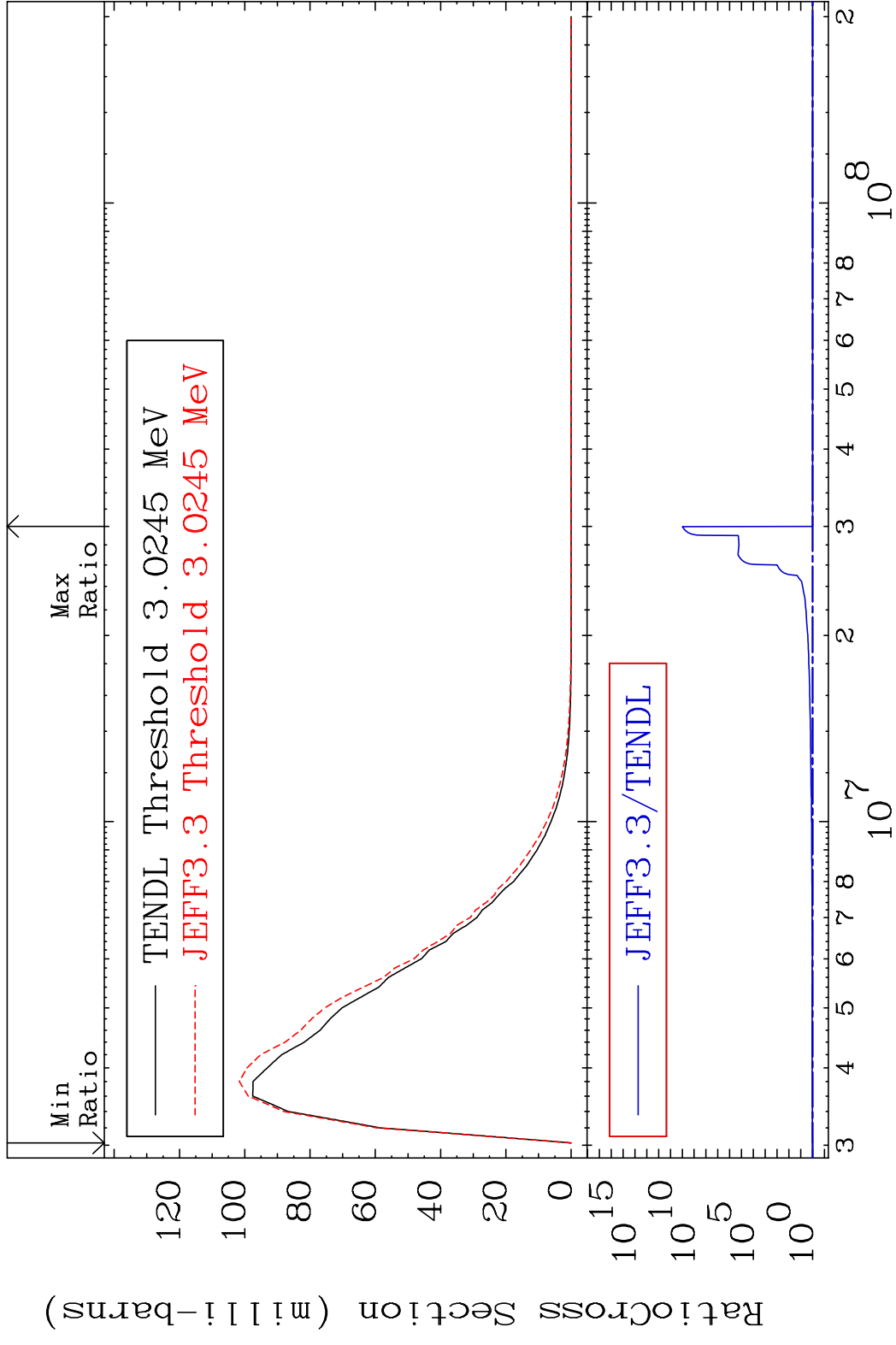


MAT 1628 MT= 54 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

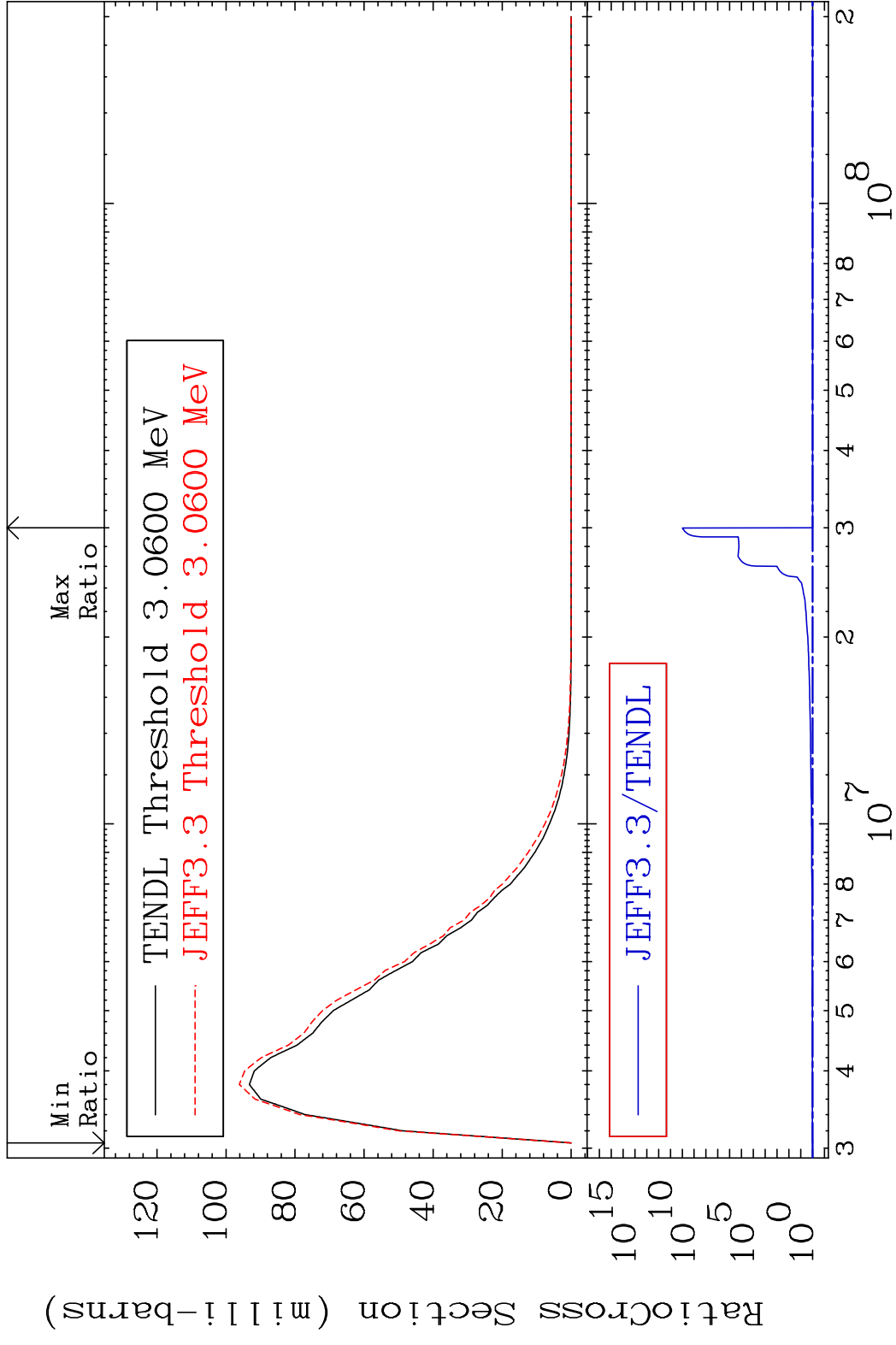


20 Incident Energy (eV) 16-S -33

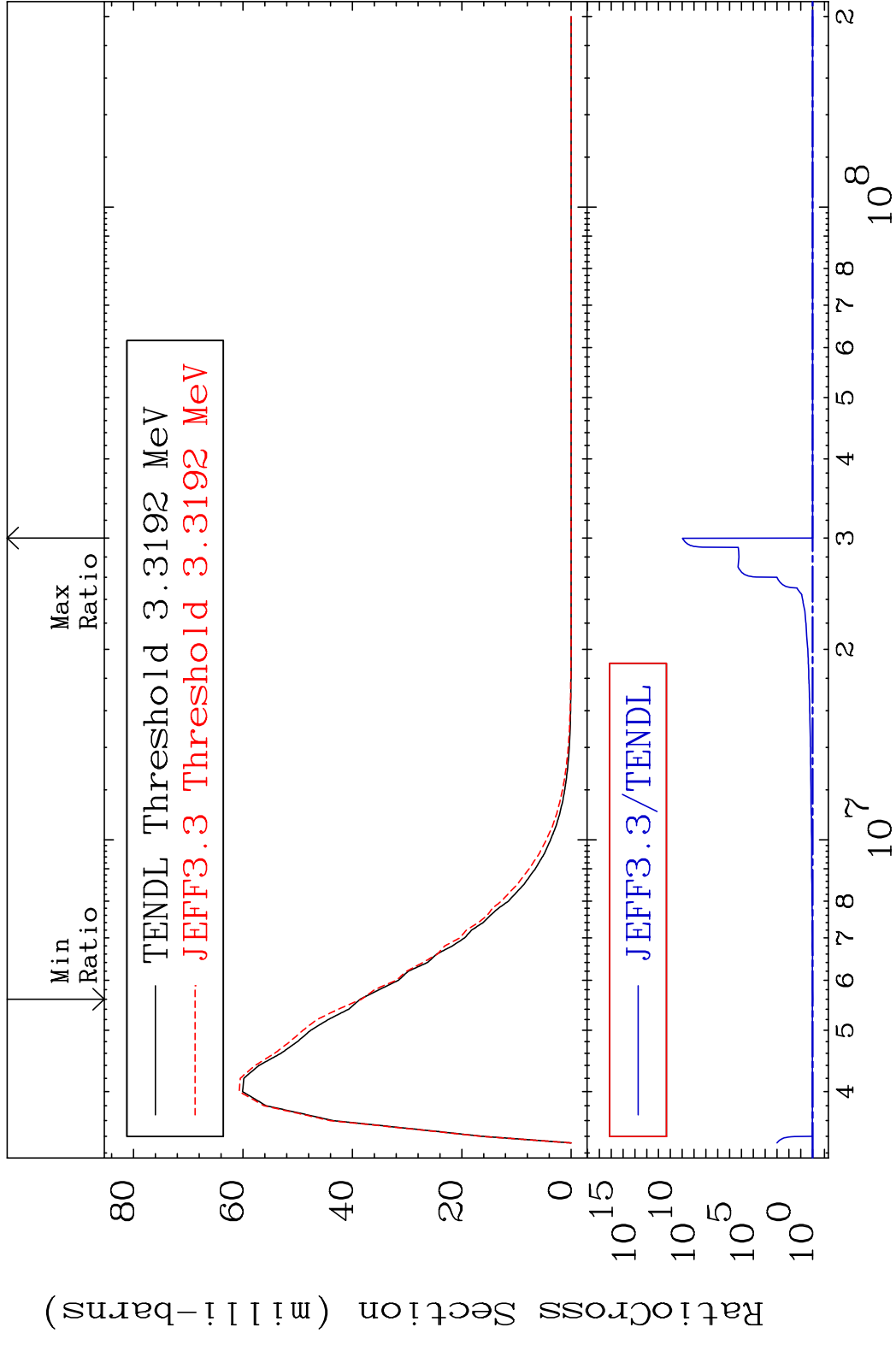
MAT 1628 MT= 55 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



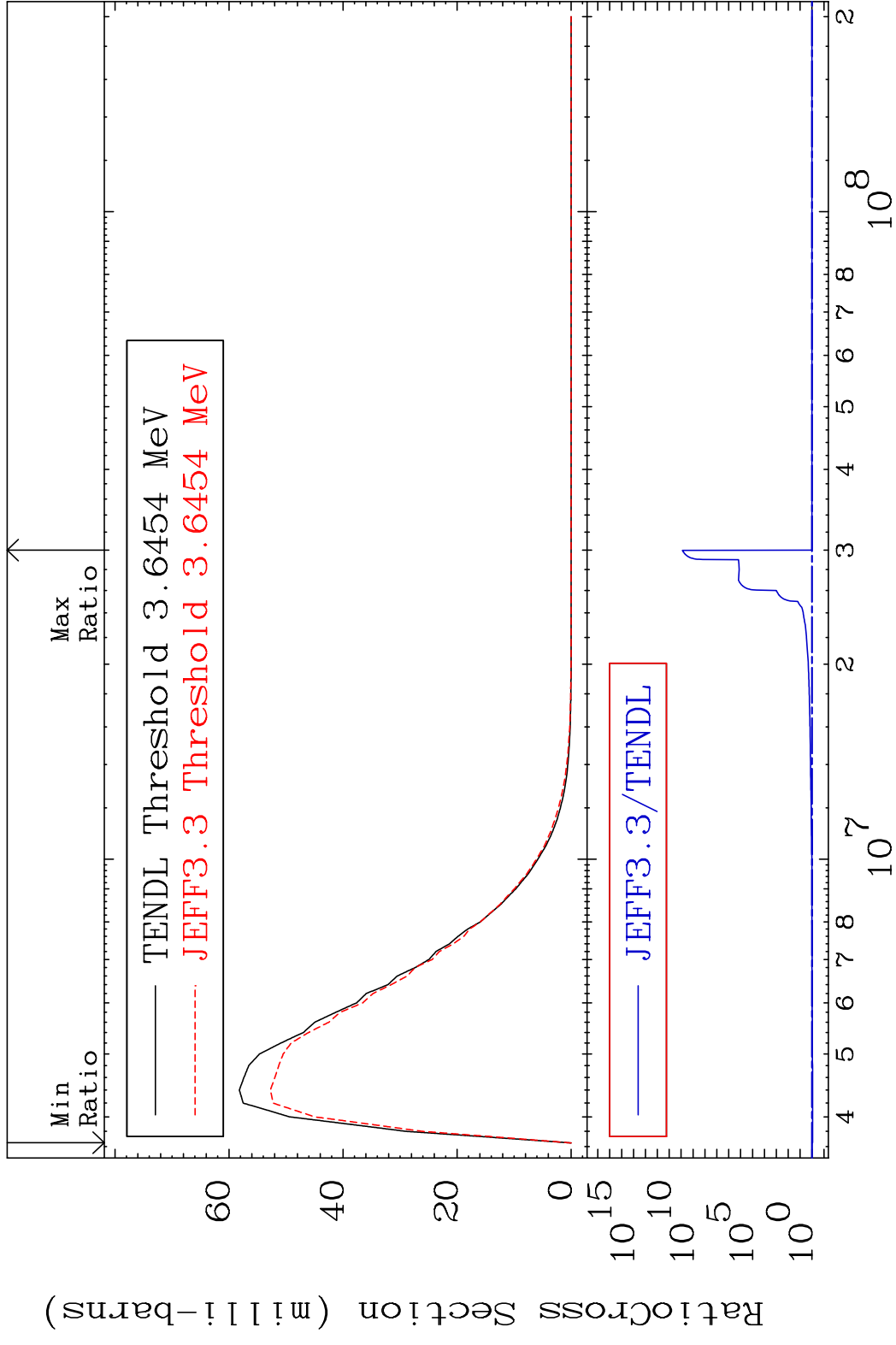
MAT 1628 MT= 56 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



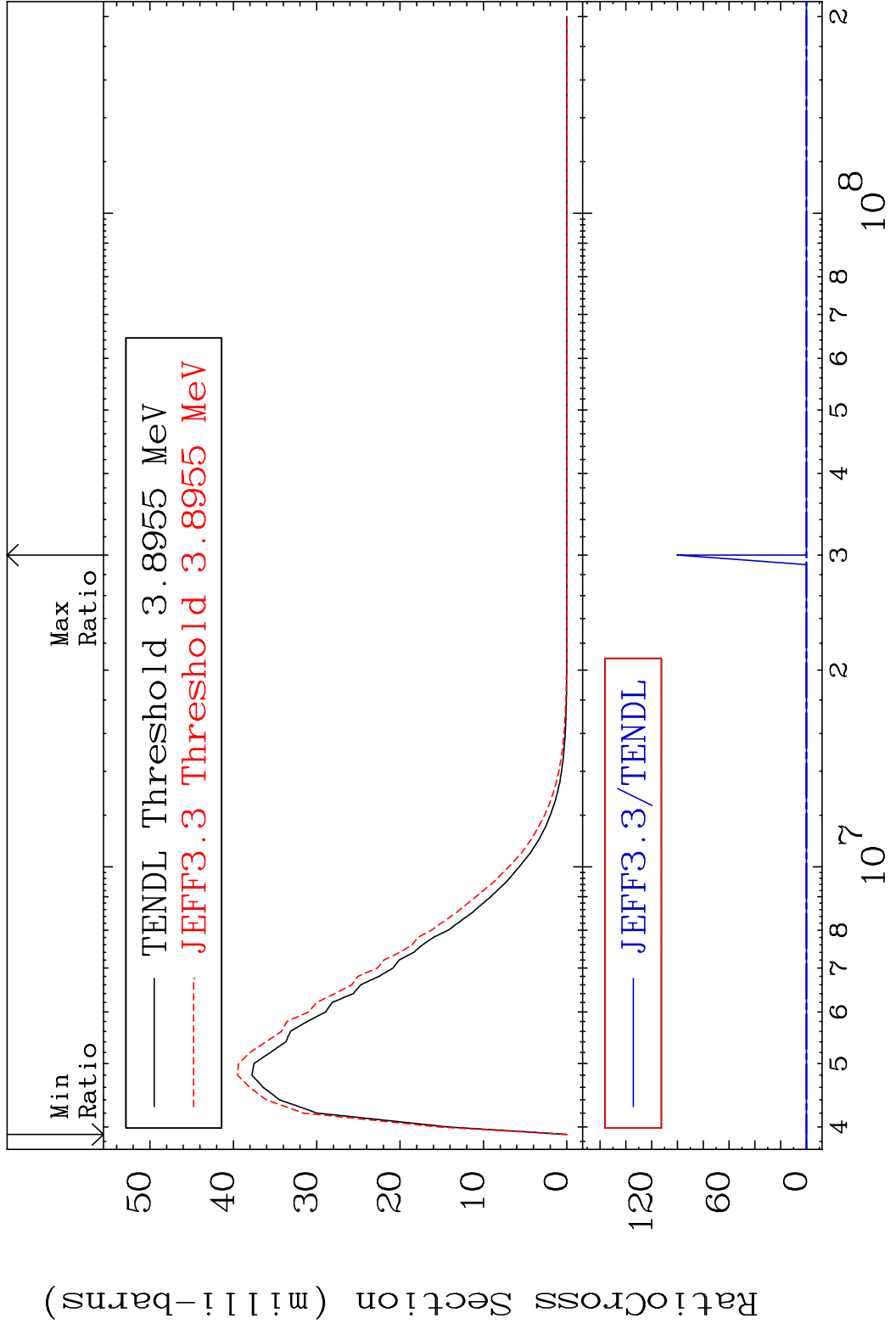
MAT 1628 MT= 57 (n, n') Level 16-S -33
 Cross Section -0.706 To 9999. %



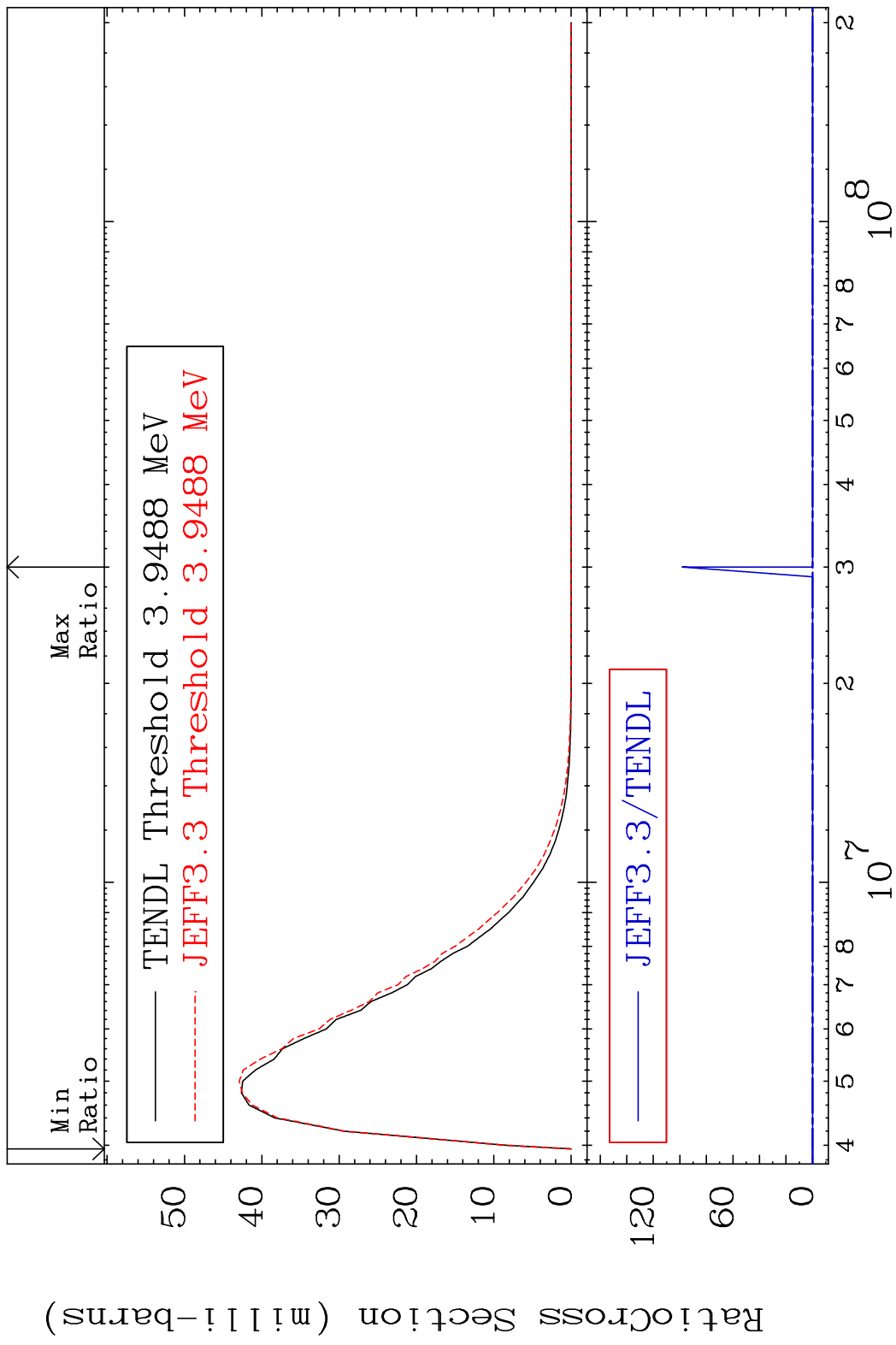
MAT 1628 MT= 58 (n, n') Level 16-S -33
 Cross Section -9.915 To 9999. %



MAT 1628 MT= 59 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

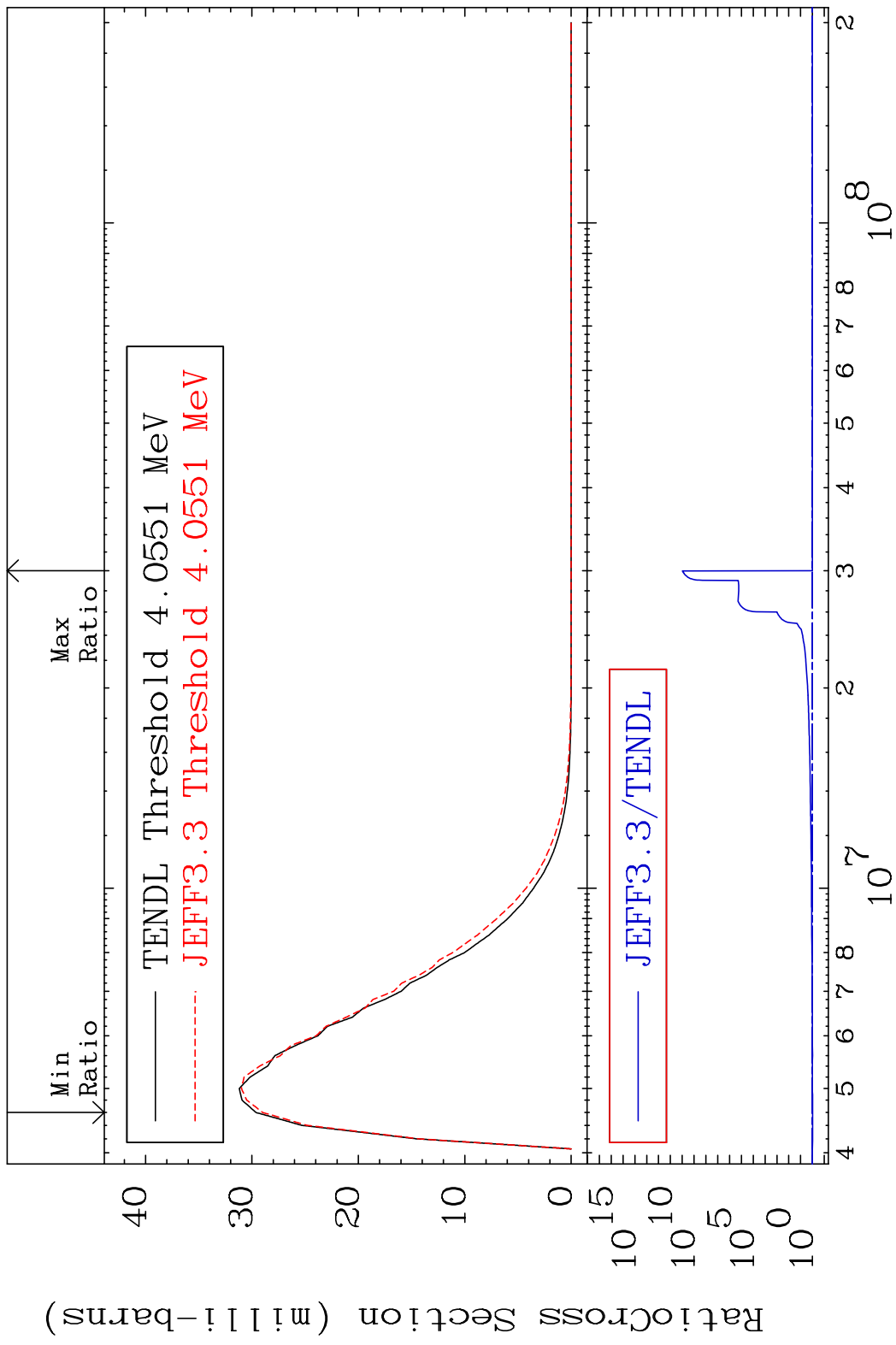


MAT 1628 MT= 60 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

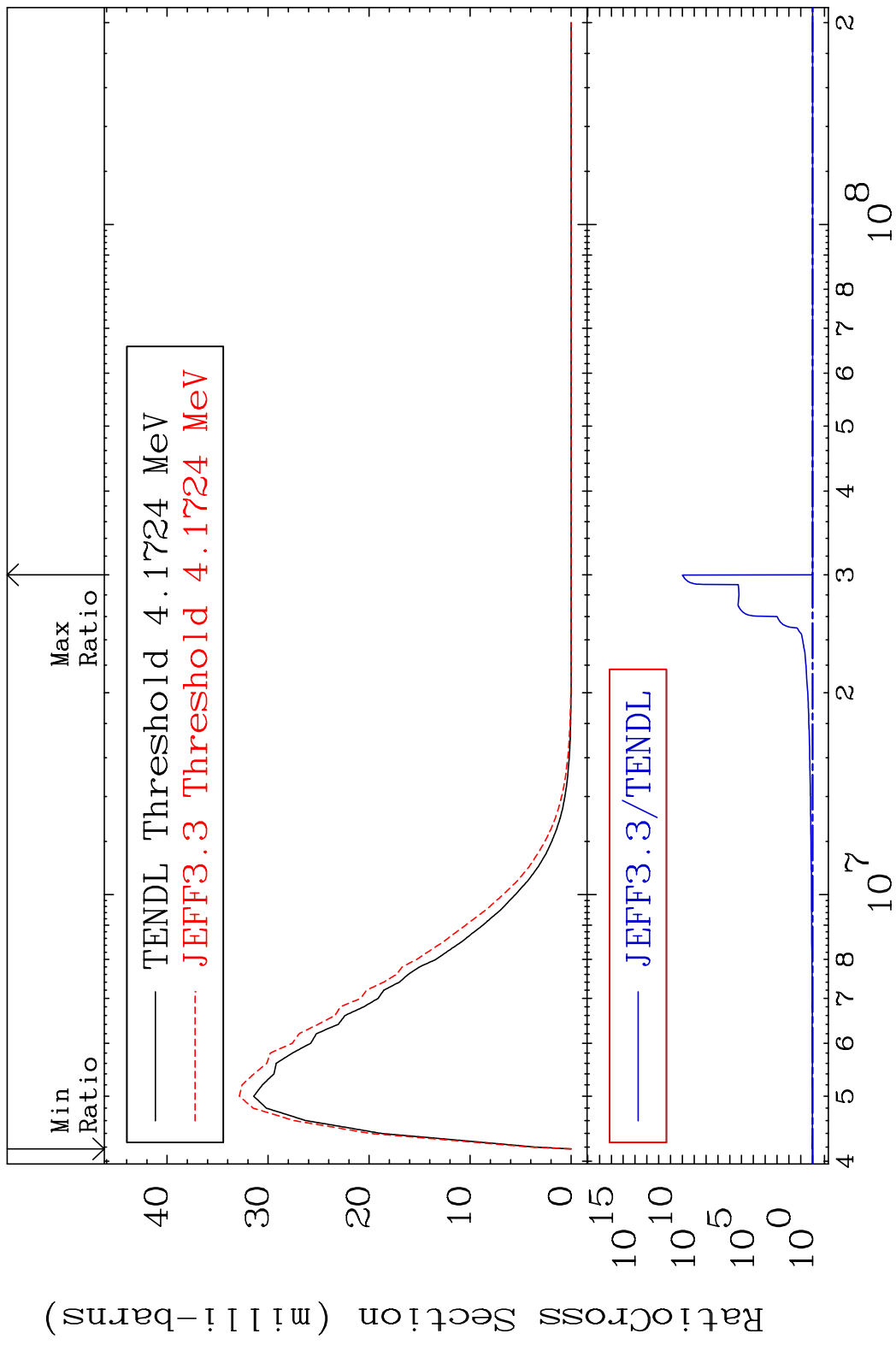


26 Incident Energy (eV) 16-S -33

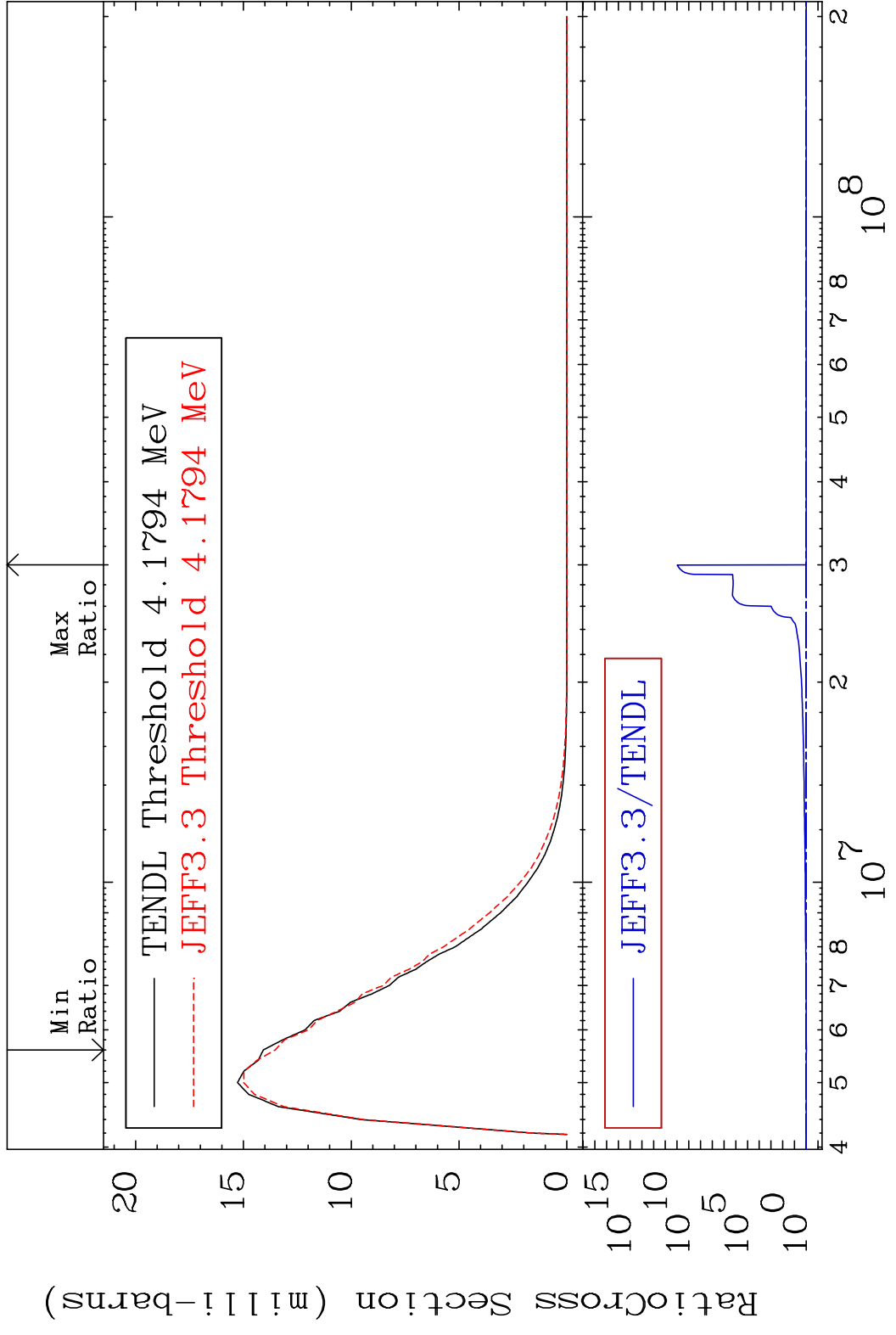
MAT 1628 MT= 61 (n, n') Level 16-S -33
 Cross Section -2.114 To 9999. %



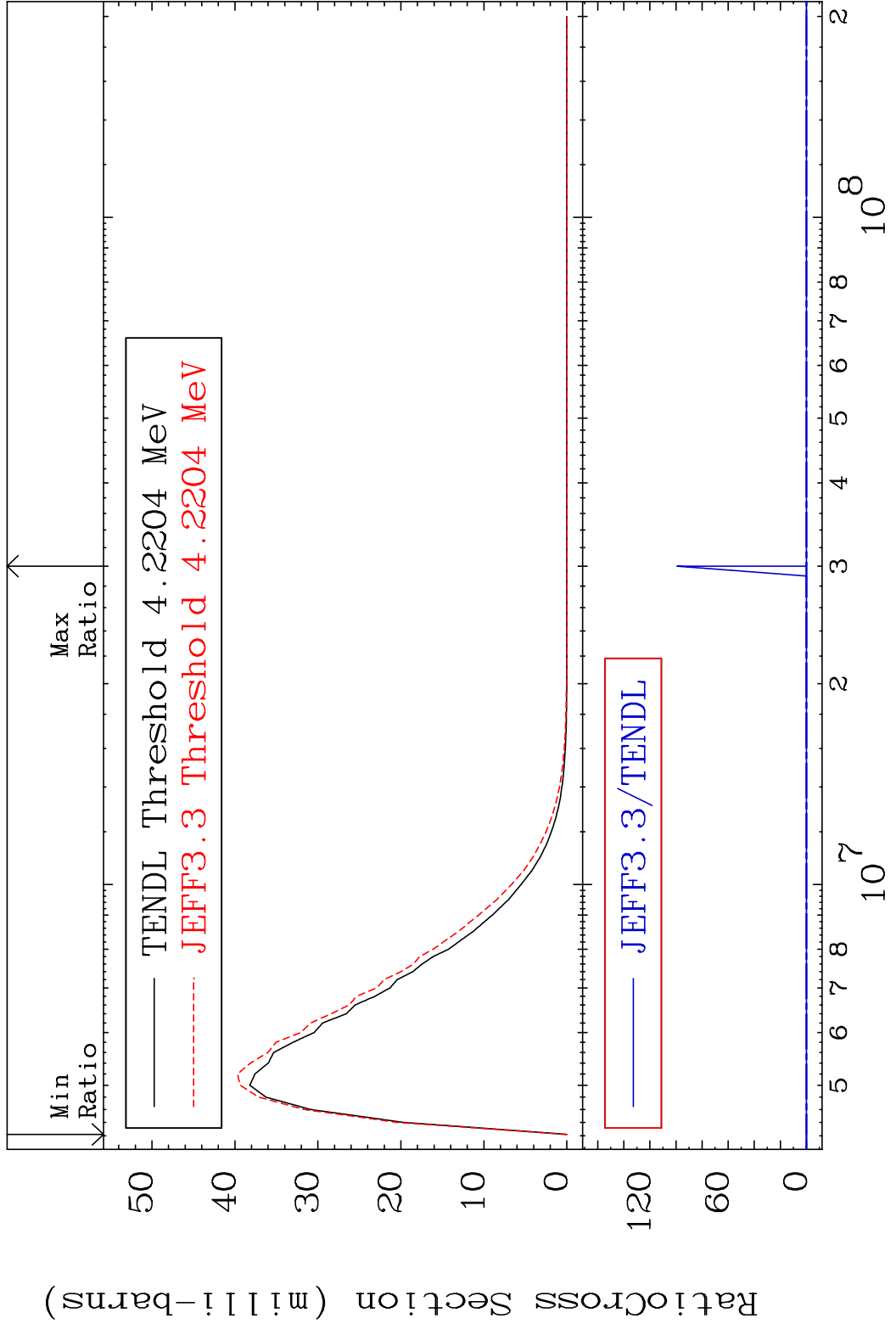
MAT 1628 MT= 62 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



MAT 1628 MT= 63 (n, n') Level 16-S -33
 Cross Section -3.953 To 9999. %

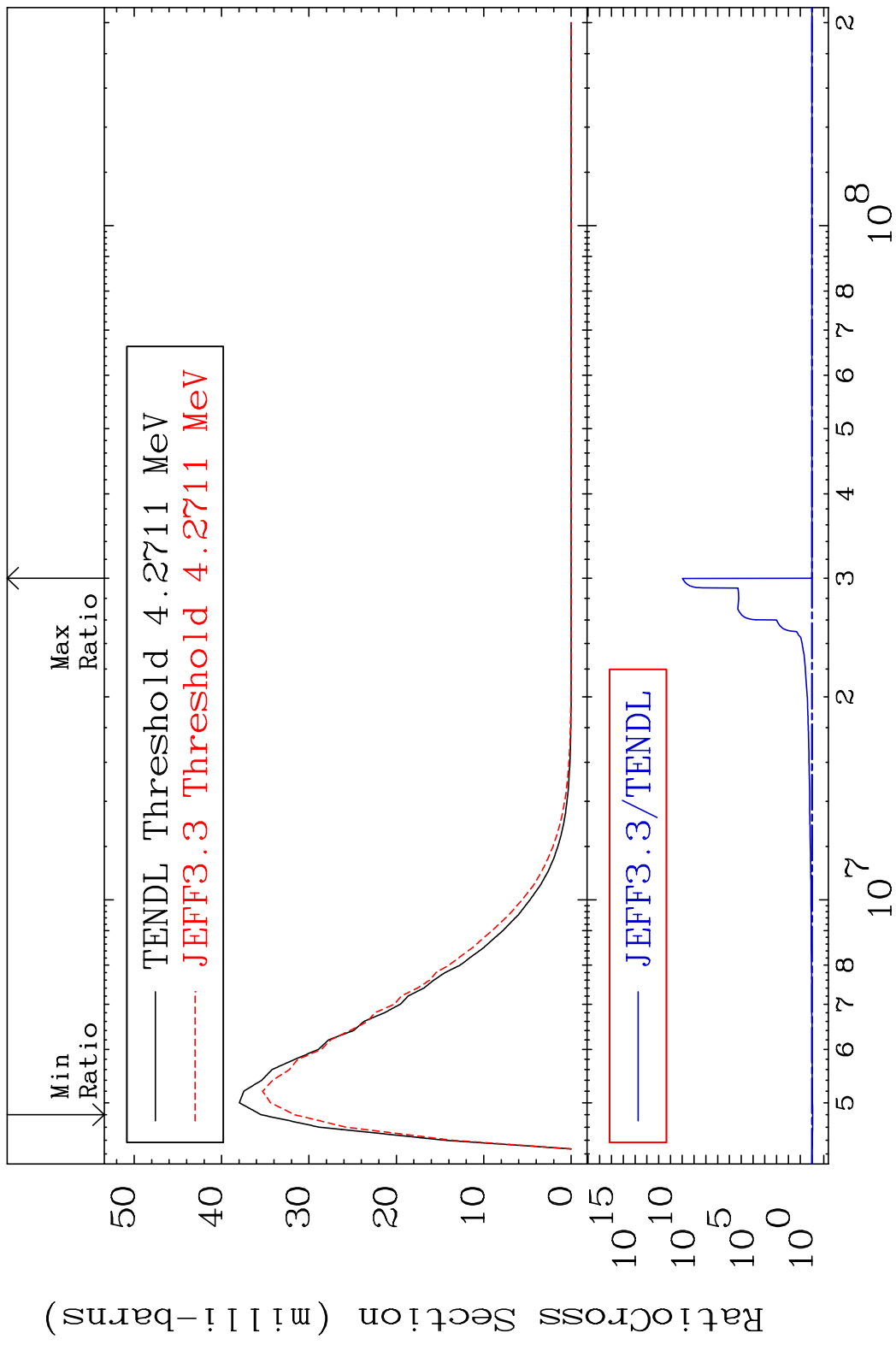


MAT 1628 MT= 64 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

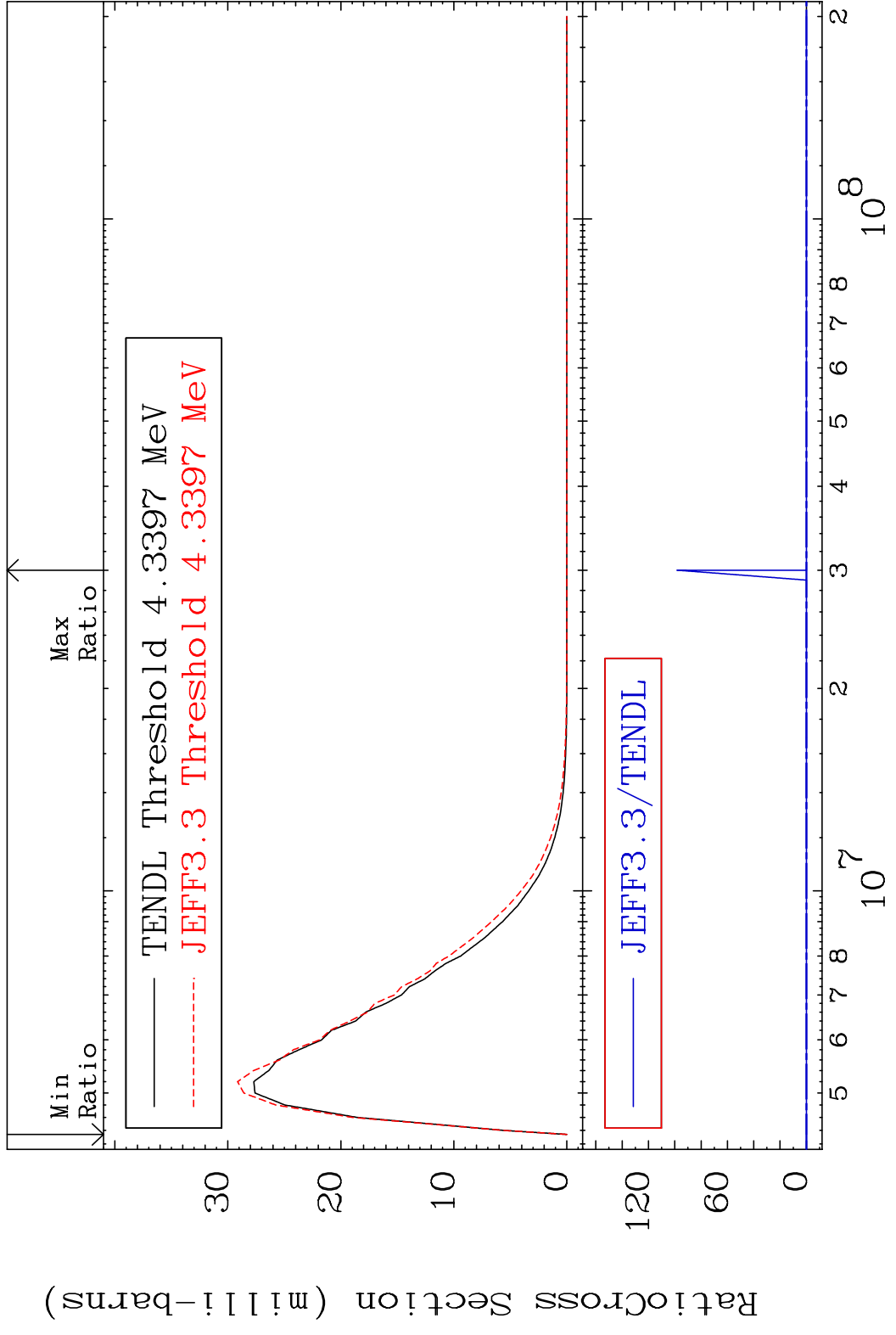


30 Incident Energy (eV) 16-S -33

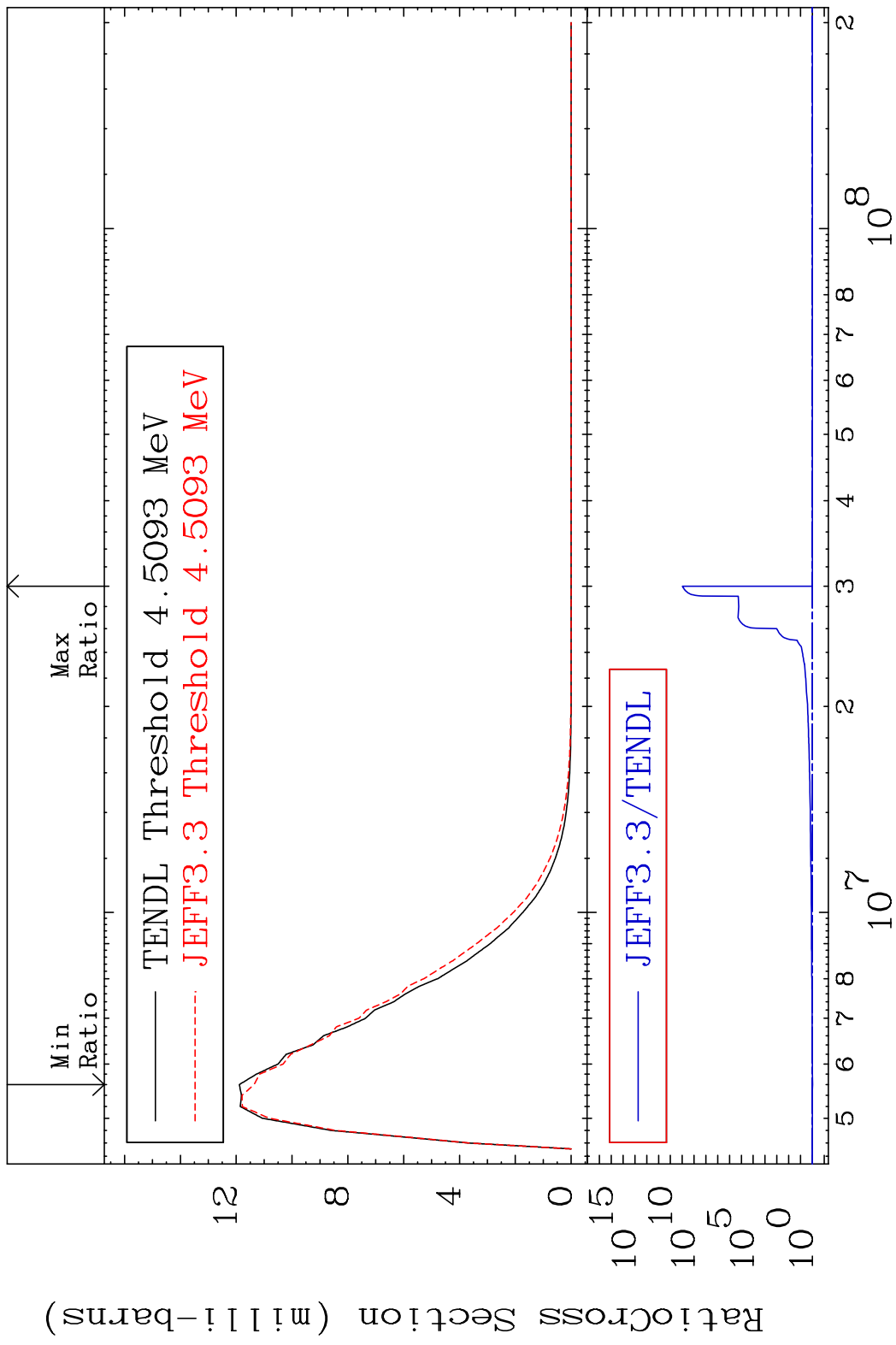
MAT 1628 MT= 65 (n, n') Level 16-S -33
 Cross Section -10.80 To 9999. %



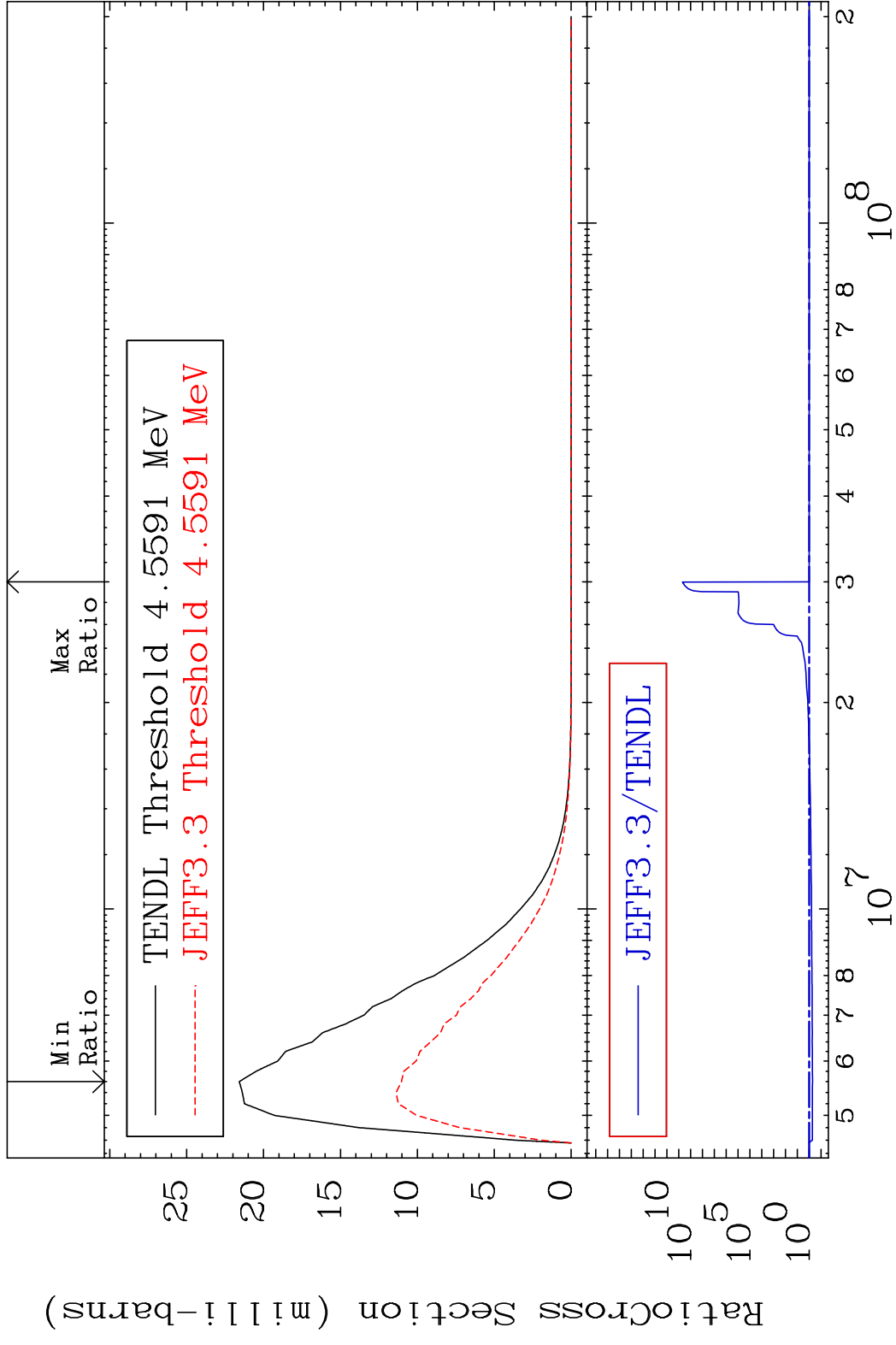
MAT 1628 MT= 66 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



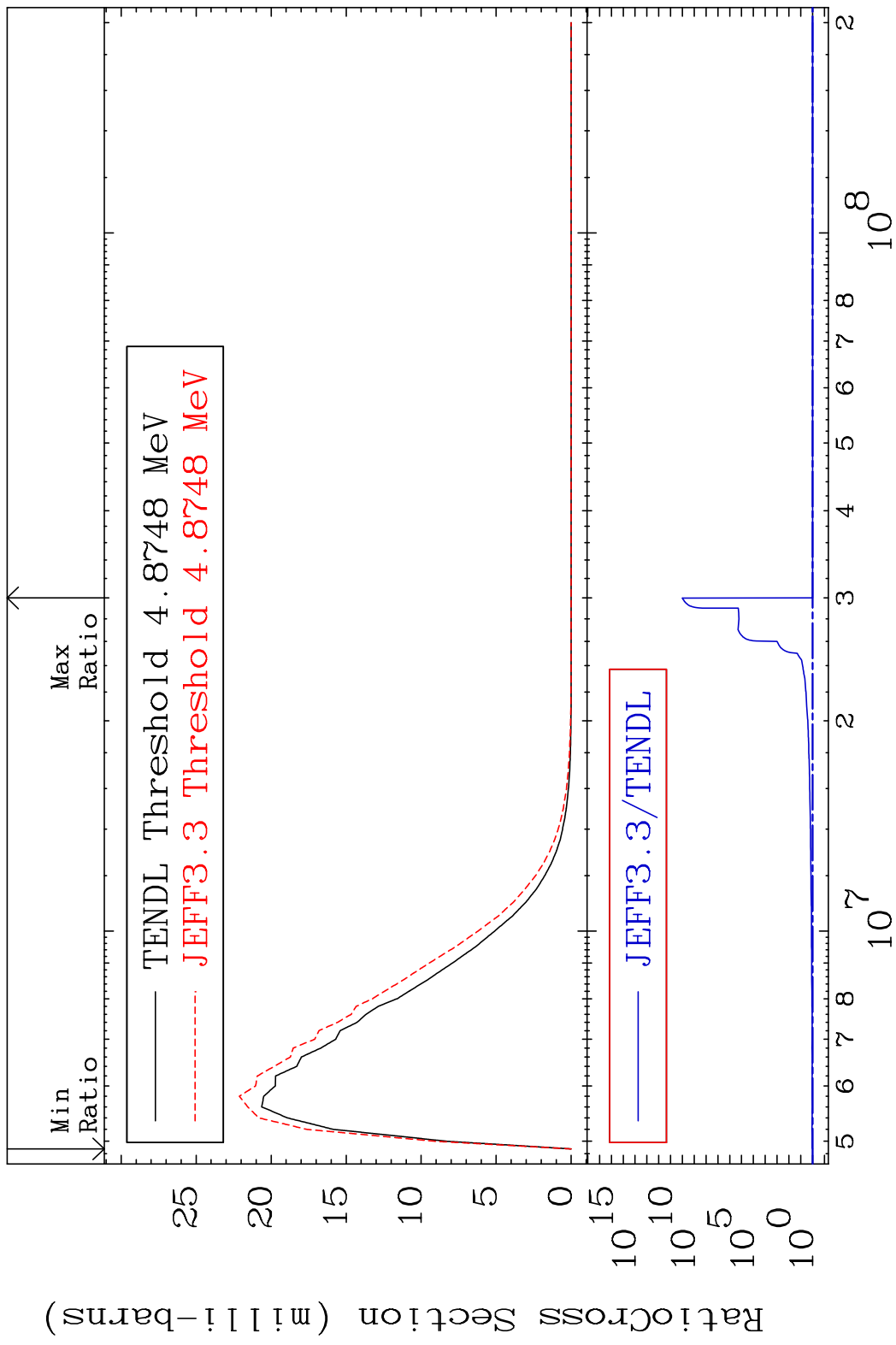
MAT 1628 MT= 67 (n, n') Level 16-S -33
 Cross Section -4.468 To 9999. %



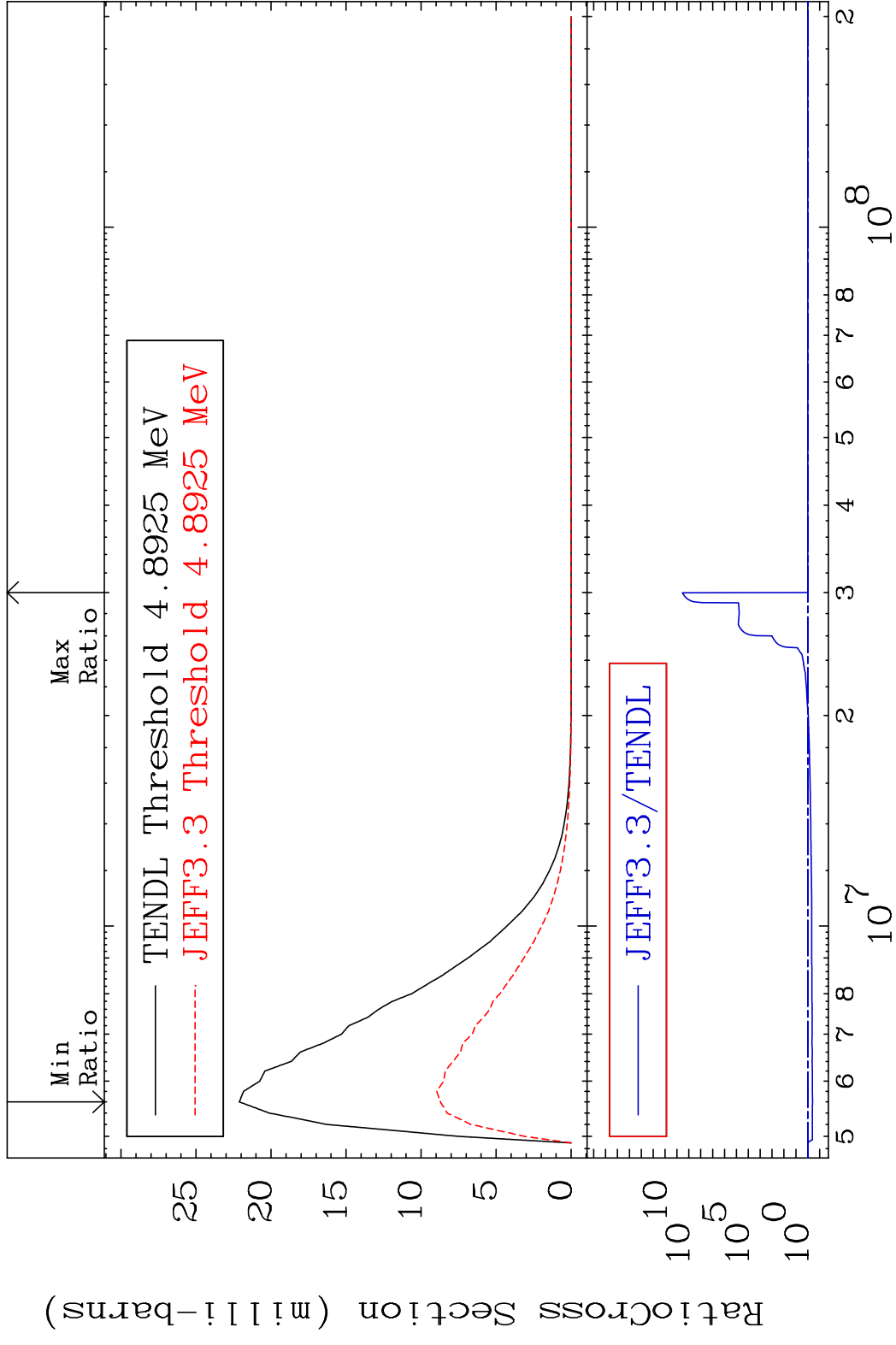
MAT 1628 MT= 68 (n, n') Level 16-S -33
 Cross Section -48.88 To 9999. %



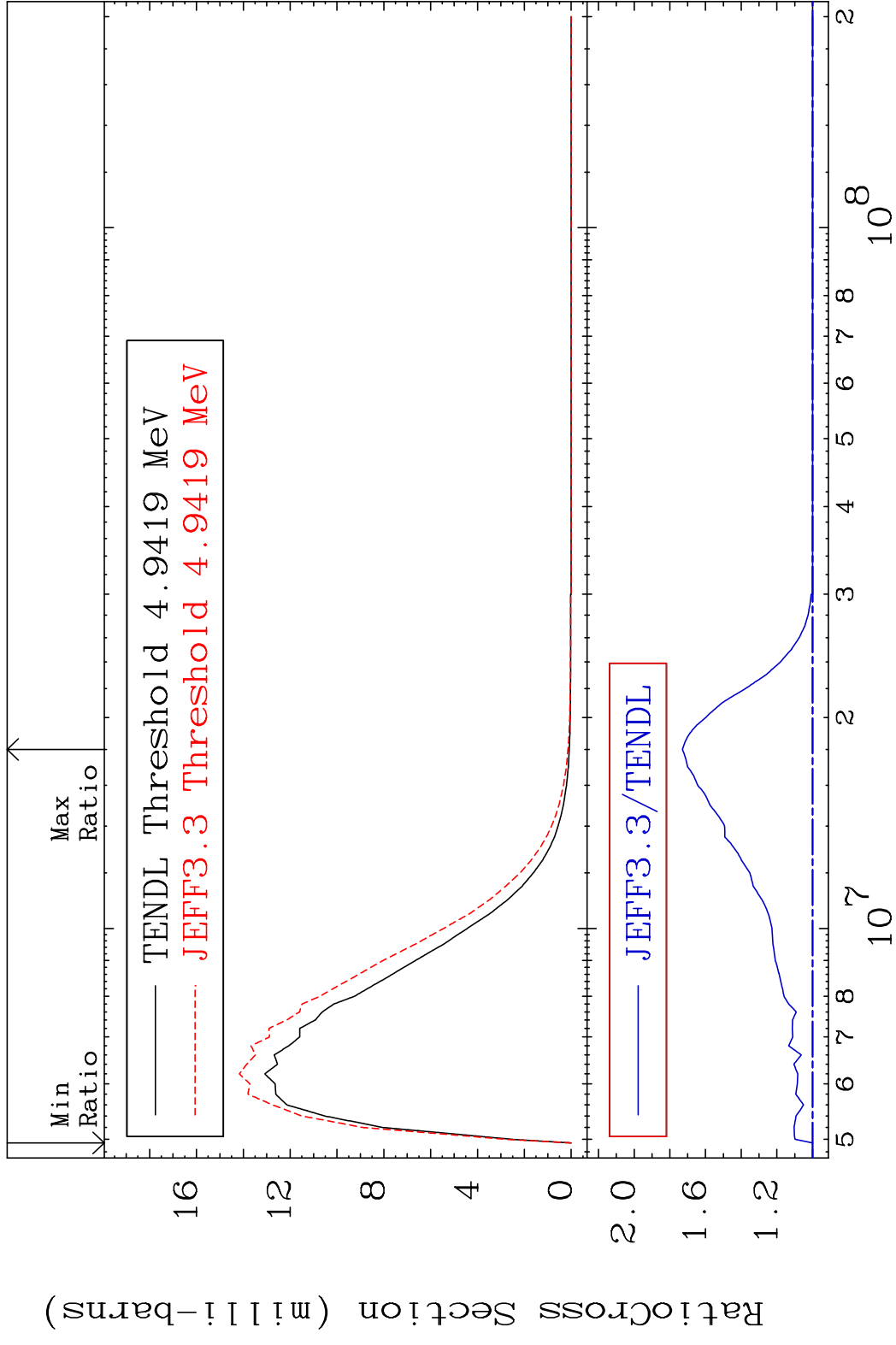
MAT 1628 MT= 69 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



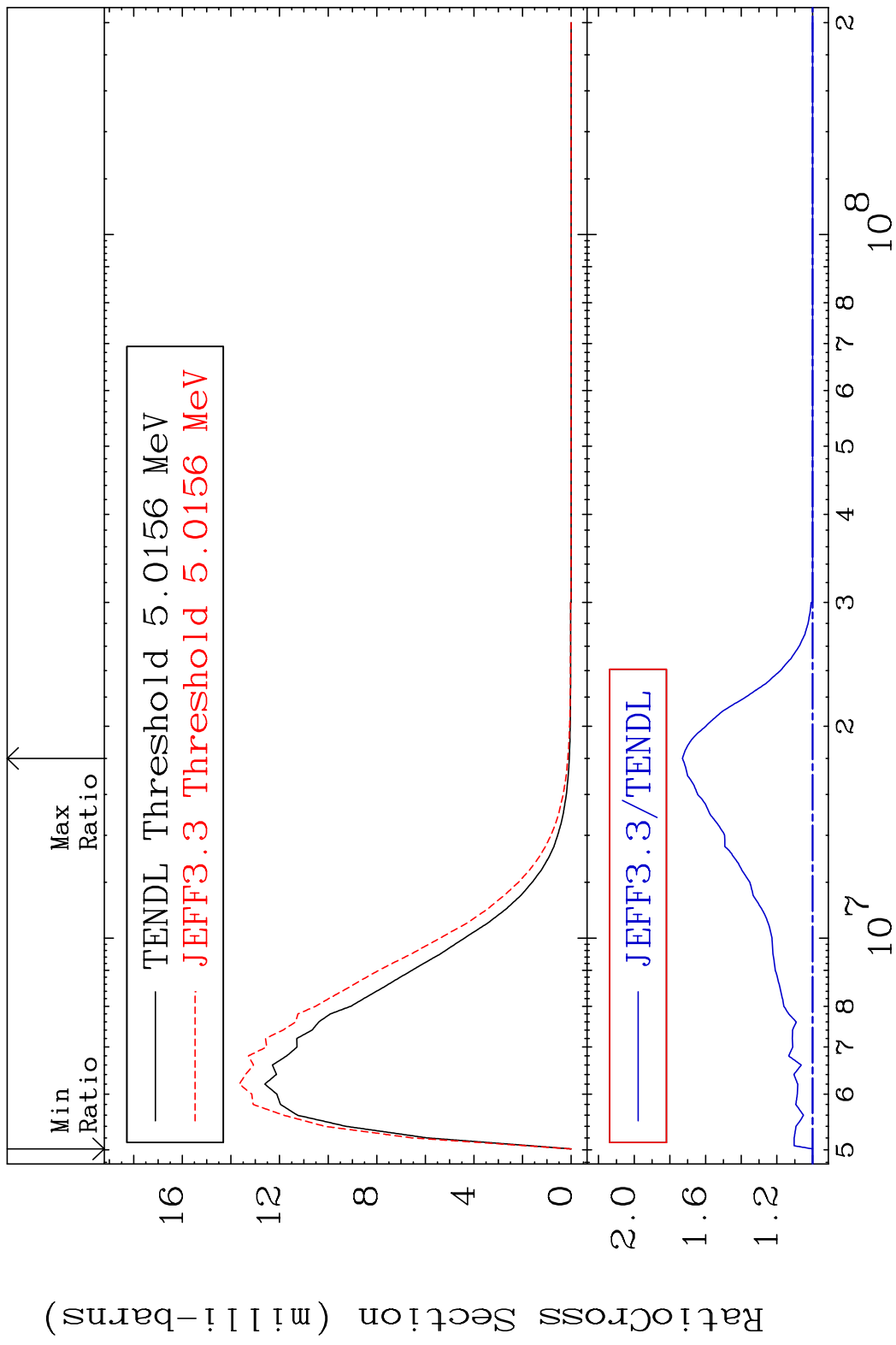
MAT 1628 MT= 70 (n, n') Level 16-S -33
 Cross Section -60.58 To 9999. %



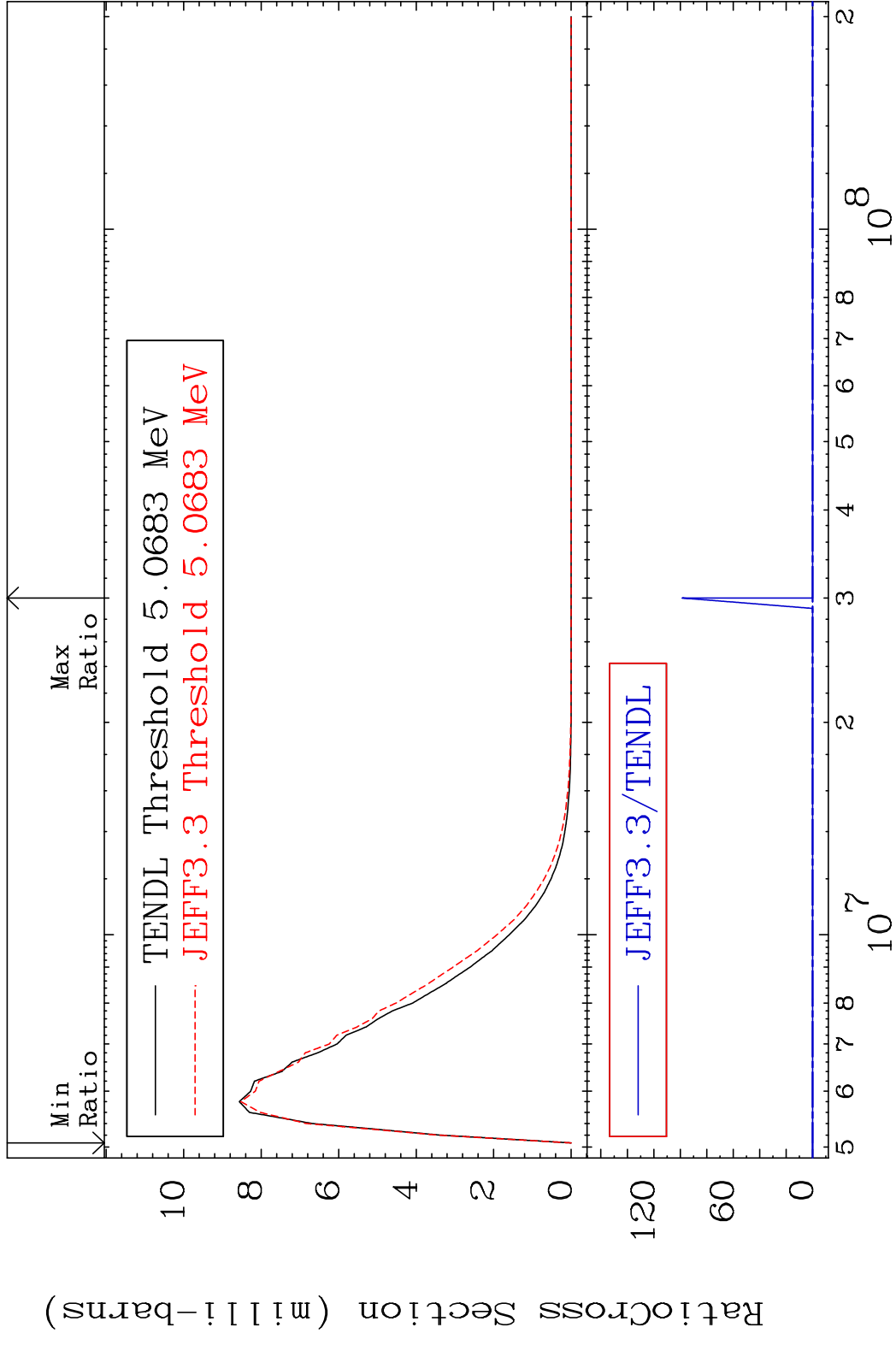
MAT 1628 MT= 71 (n,n') Level 16-S -33
 Cross Section 0.000 To 72.99 %



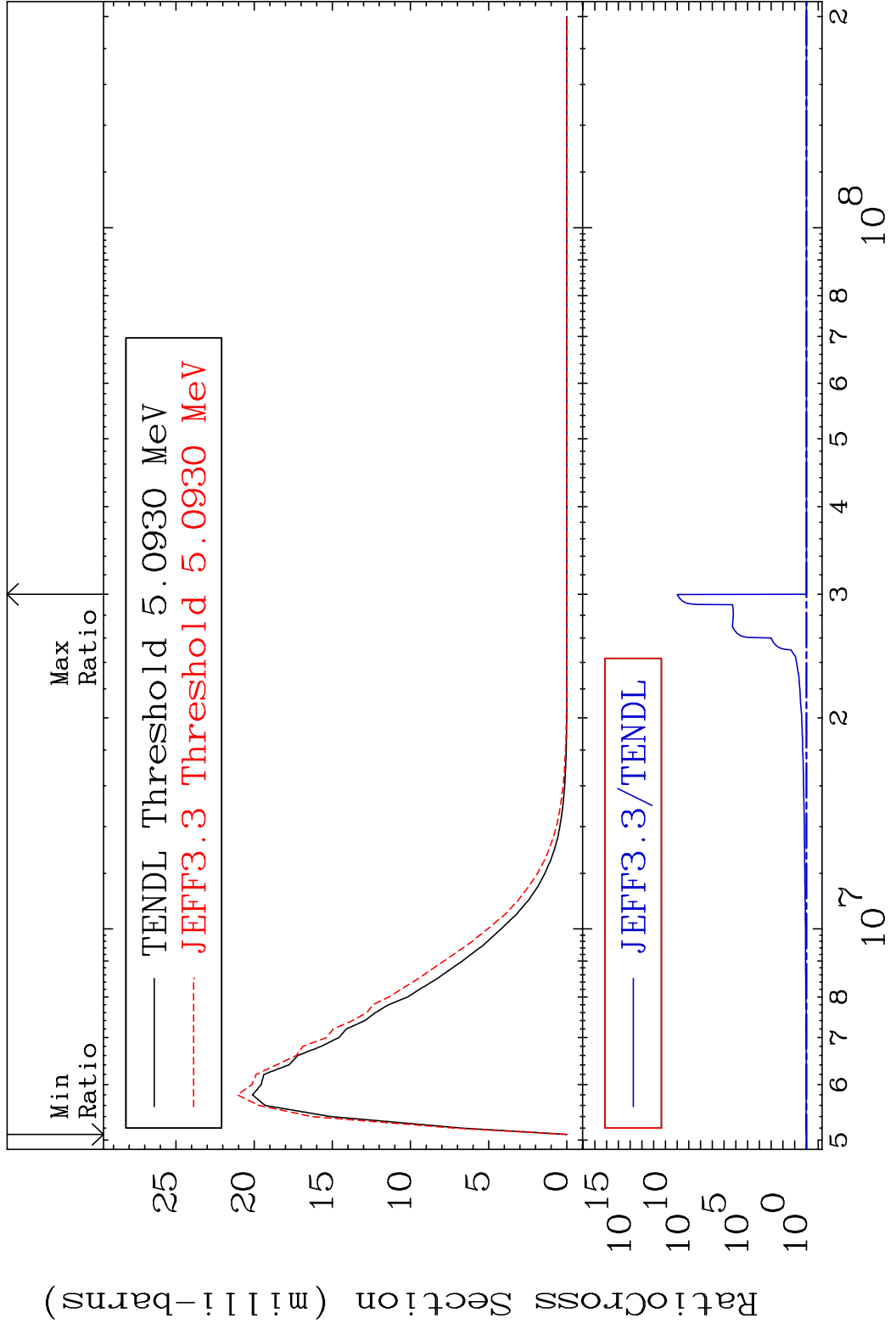
MAT 1628 MT= 72 (n, n') Level 16-S -33
 Cross Section 0.000 To 73.01 %



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

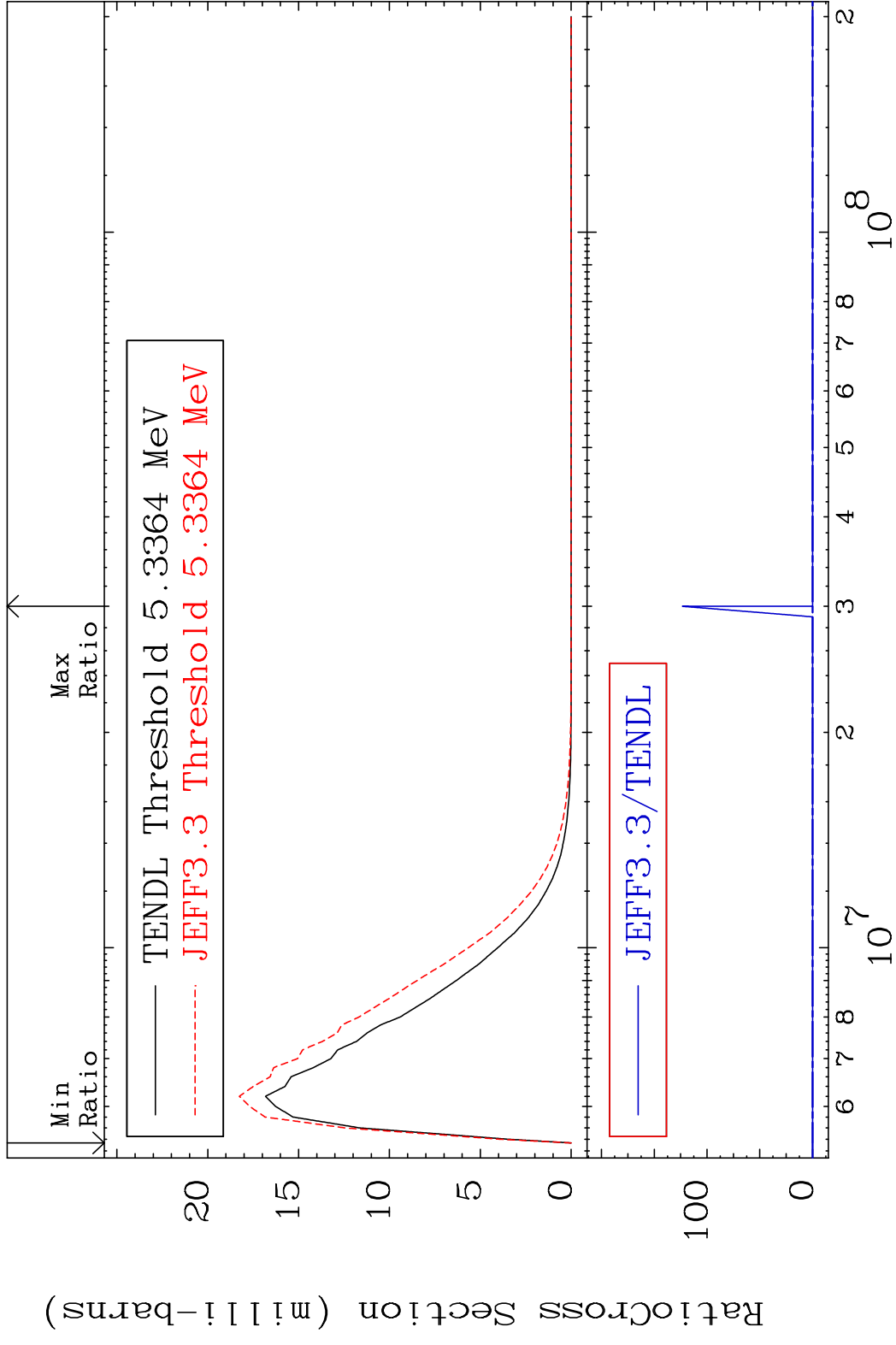


MAT 1628 MT= 74 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %

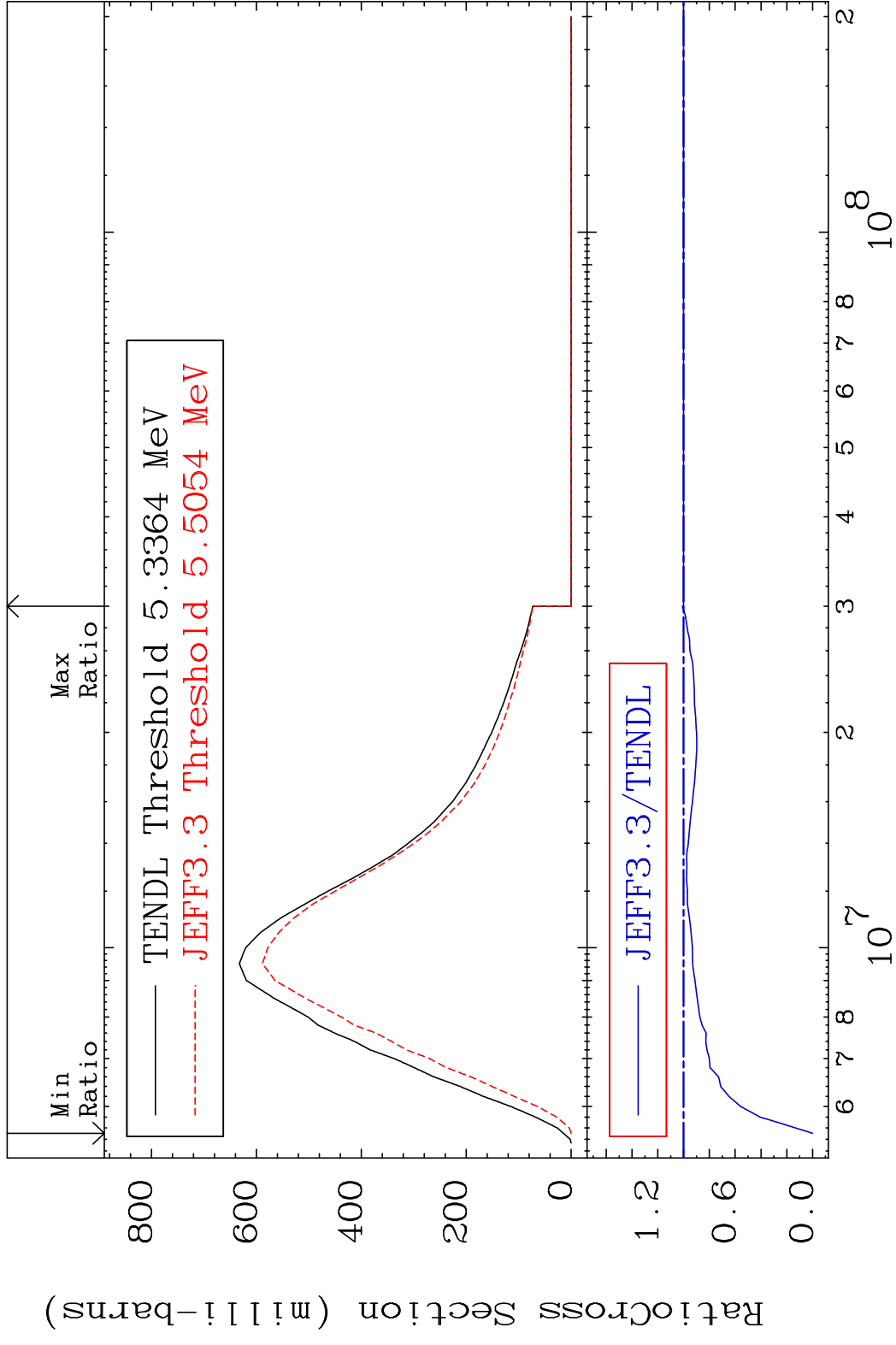


40 Incident Energy (eV) 16-S -33

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



MAT 1628 (n,n') Continuum 16-S -33
 Cross Section -100.0 To 0.958 %



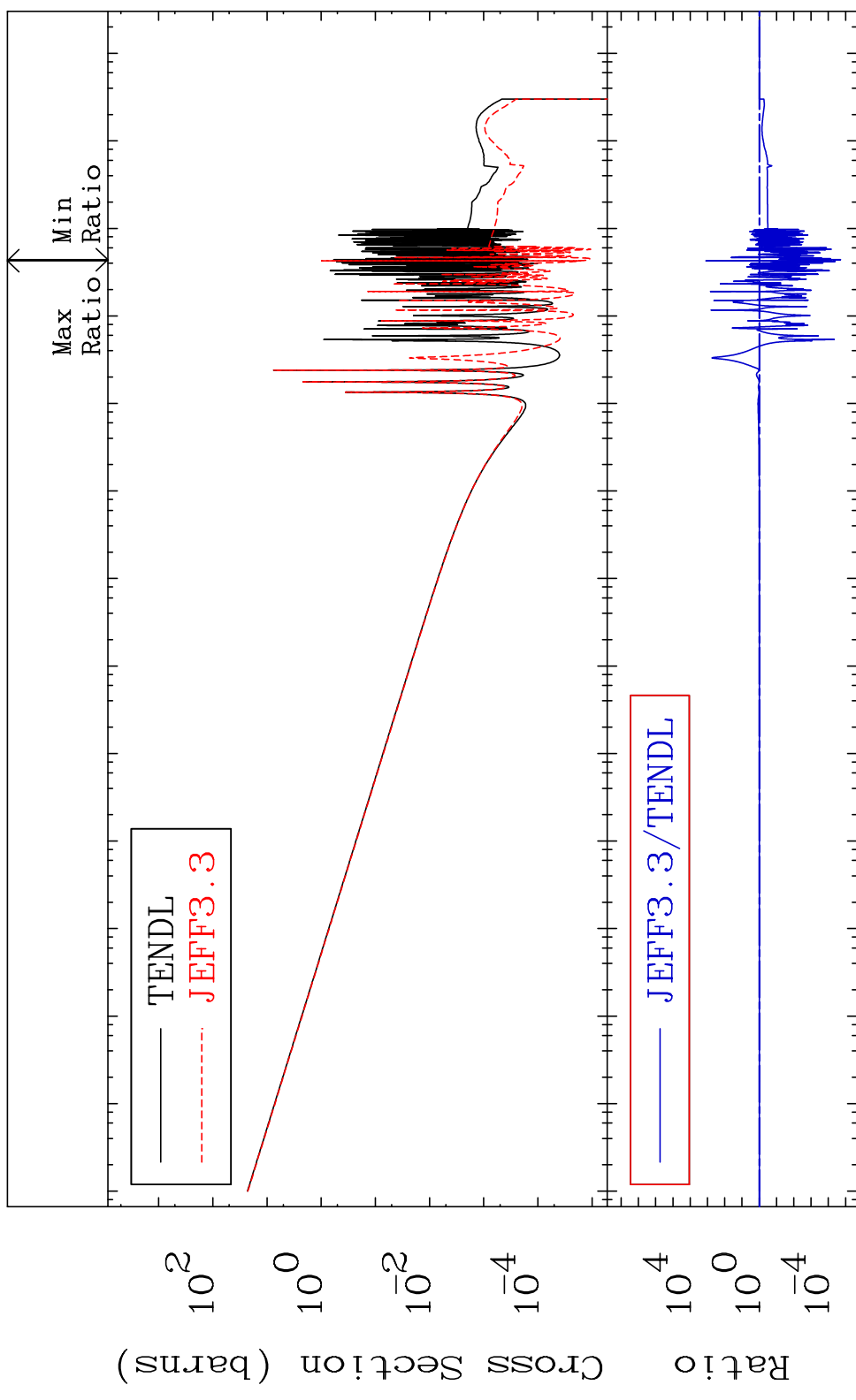
42 Incident Energy (eV) 16-S -33

MAT 1628

(n, γ)

16-S -33

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

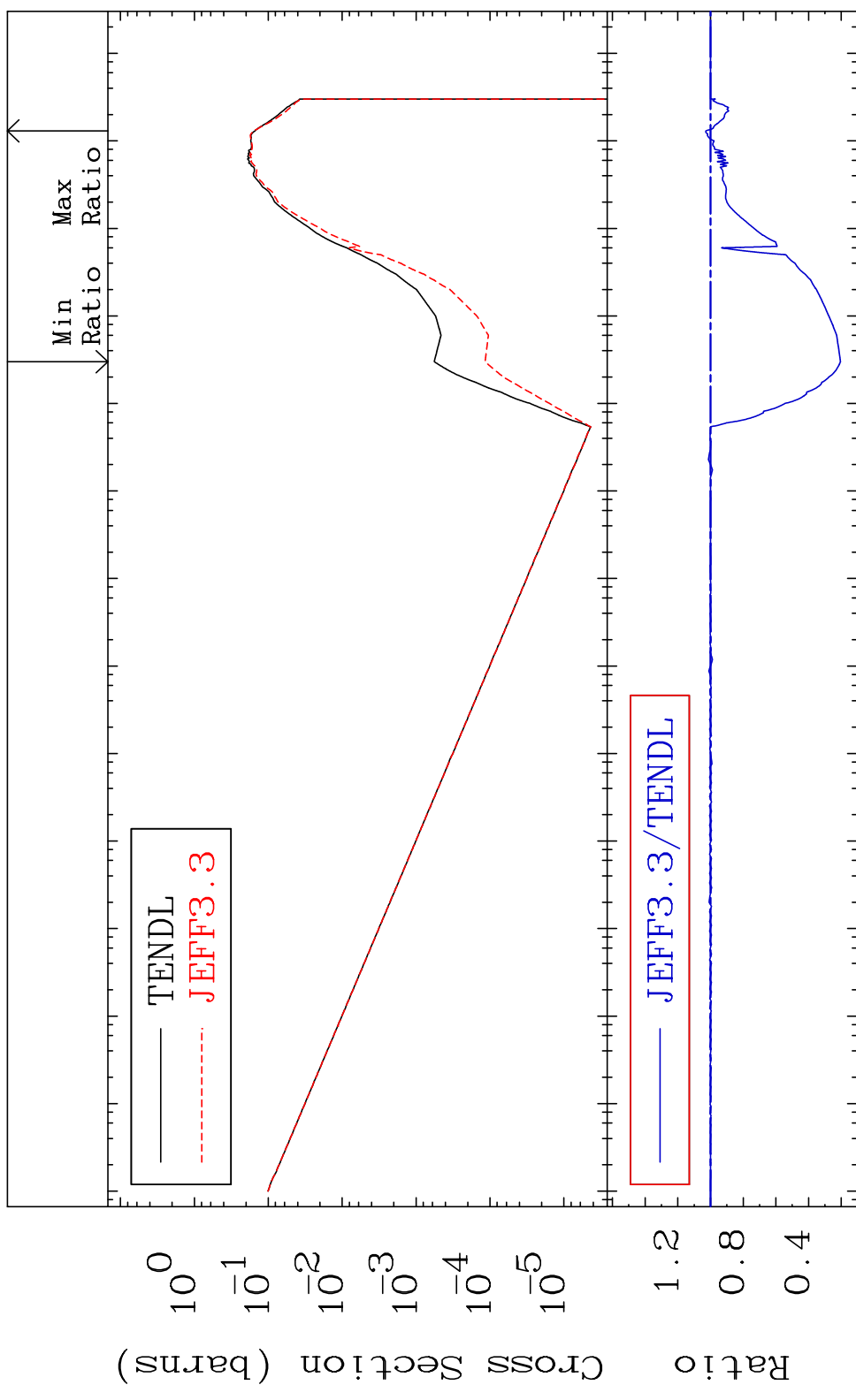
16-S -33

MAT 1628

(n,p)

16-S -33

Cross Section -79.48 To 2.906 %



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

44

Incident Energy (eV)

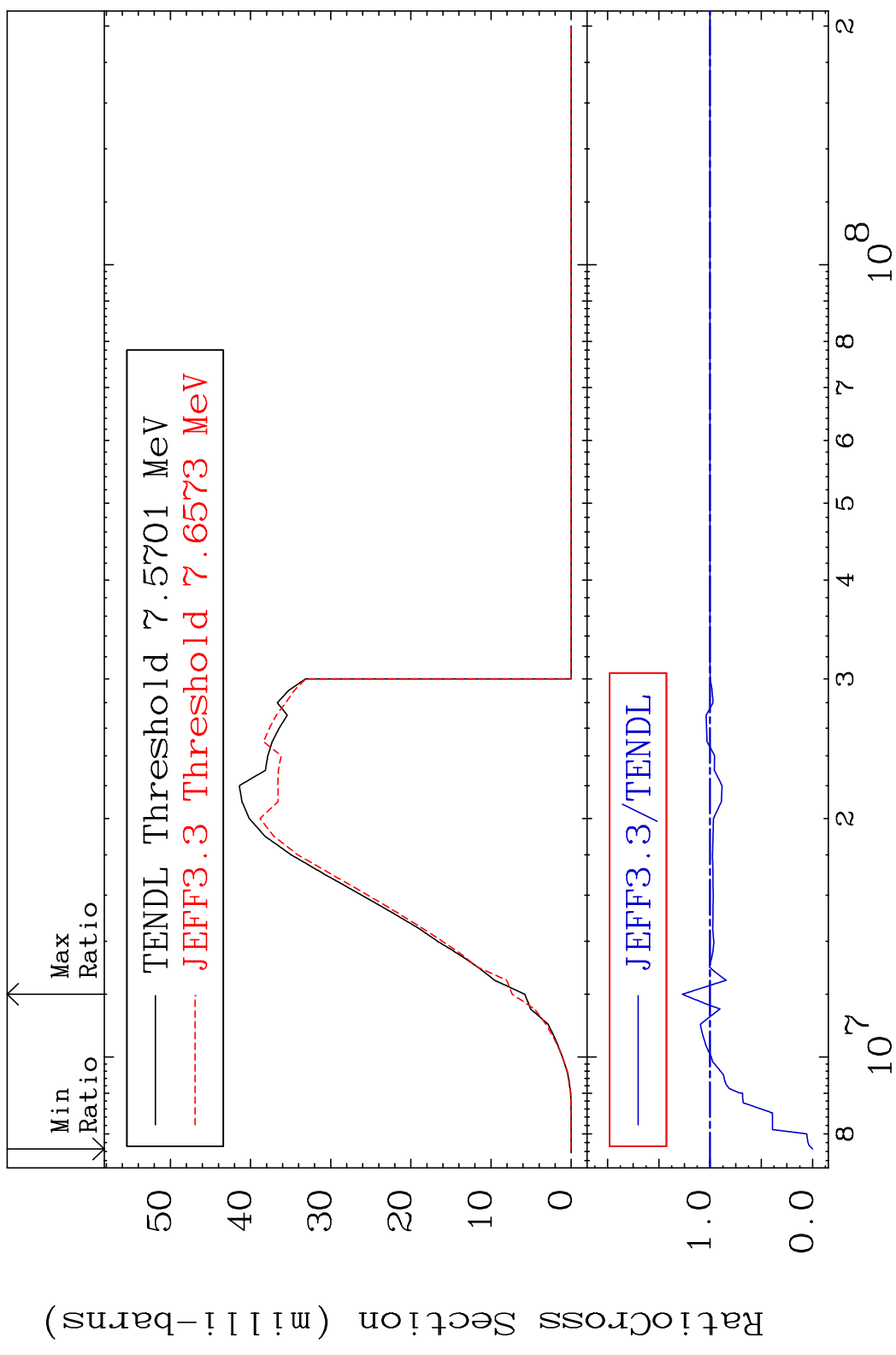
16-S -33

MAT 1628

(n,d)

16-S -33

Cross Section -100.0 To 27.05 %

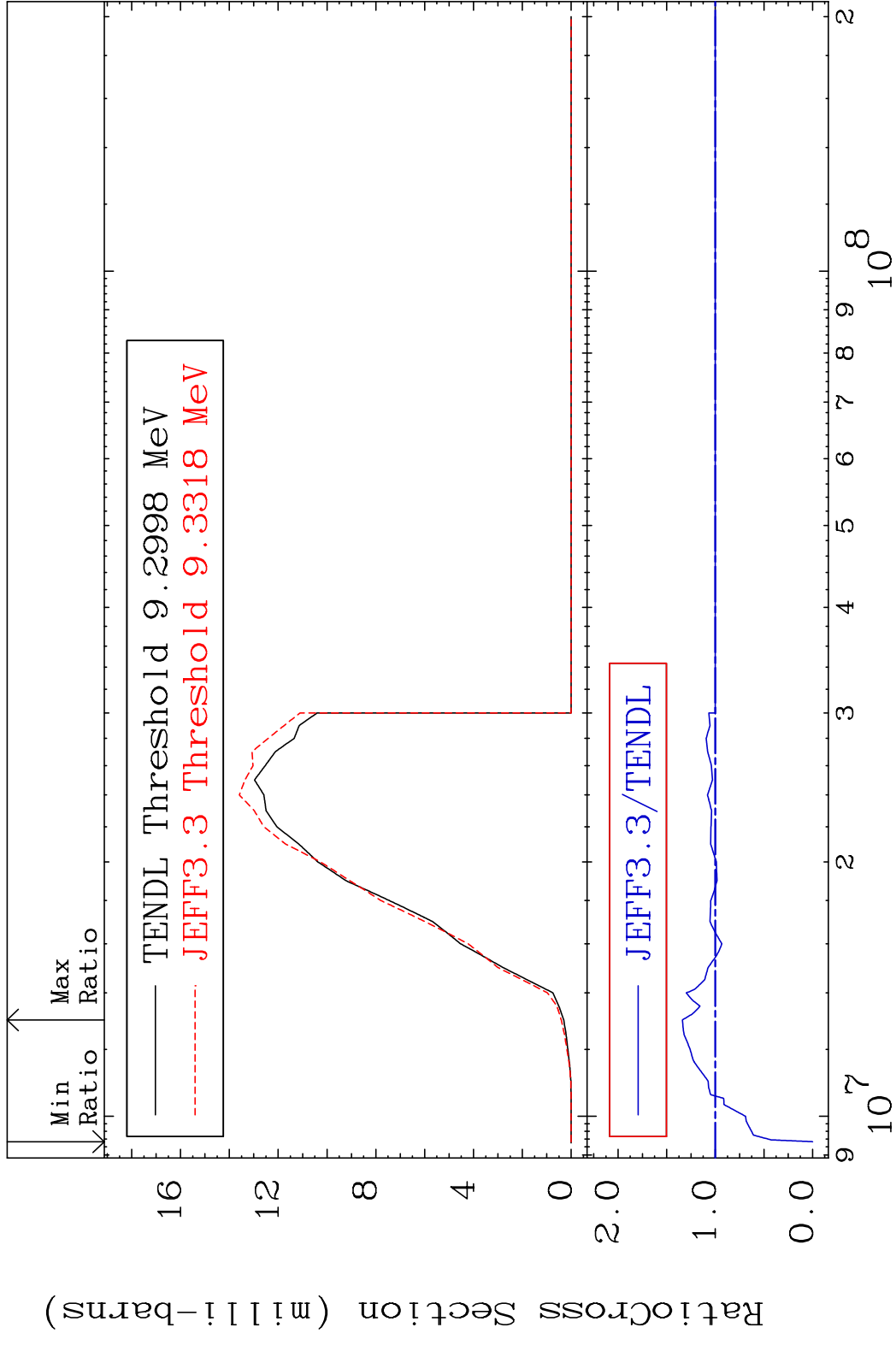


45

Incident Energy (eV)

16-S -33

MAT 1628 (n, t) 16-S -33
 Cross Section -100.0 To 33.90 %



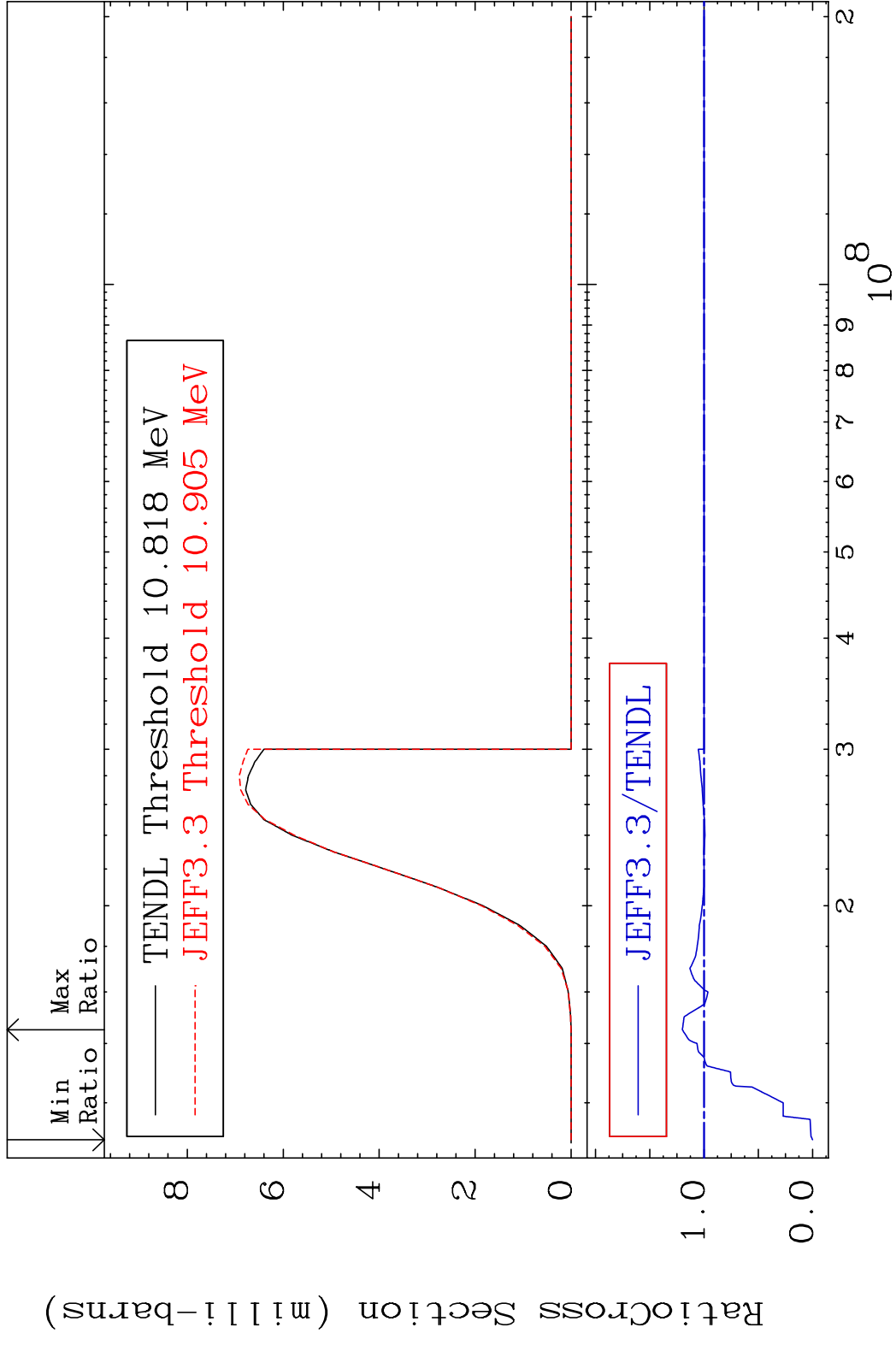
46 Incident Energy (eV) 16-S -33

MAT 1628

(n, He-3)

16-S -33

Cross Section -100.0 To 19.94 %



47

Incident Energy (eV)

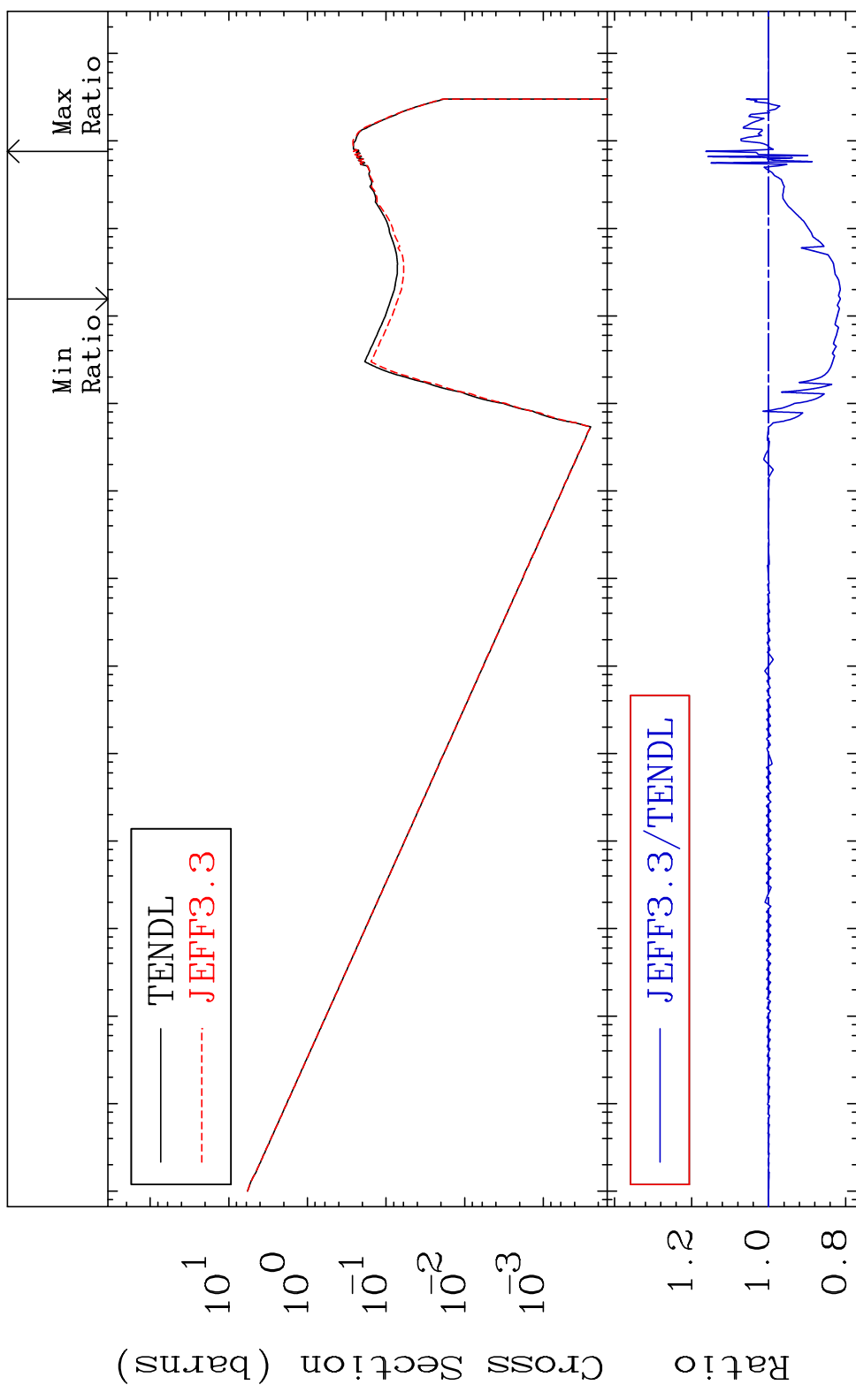
16-S -33

MAT 1628

(n, α)

16-S -33

Cross Section -18.65 To 16.31 %



48

Incident Energy (eV)

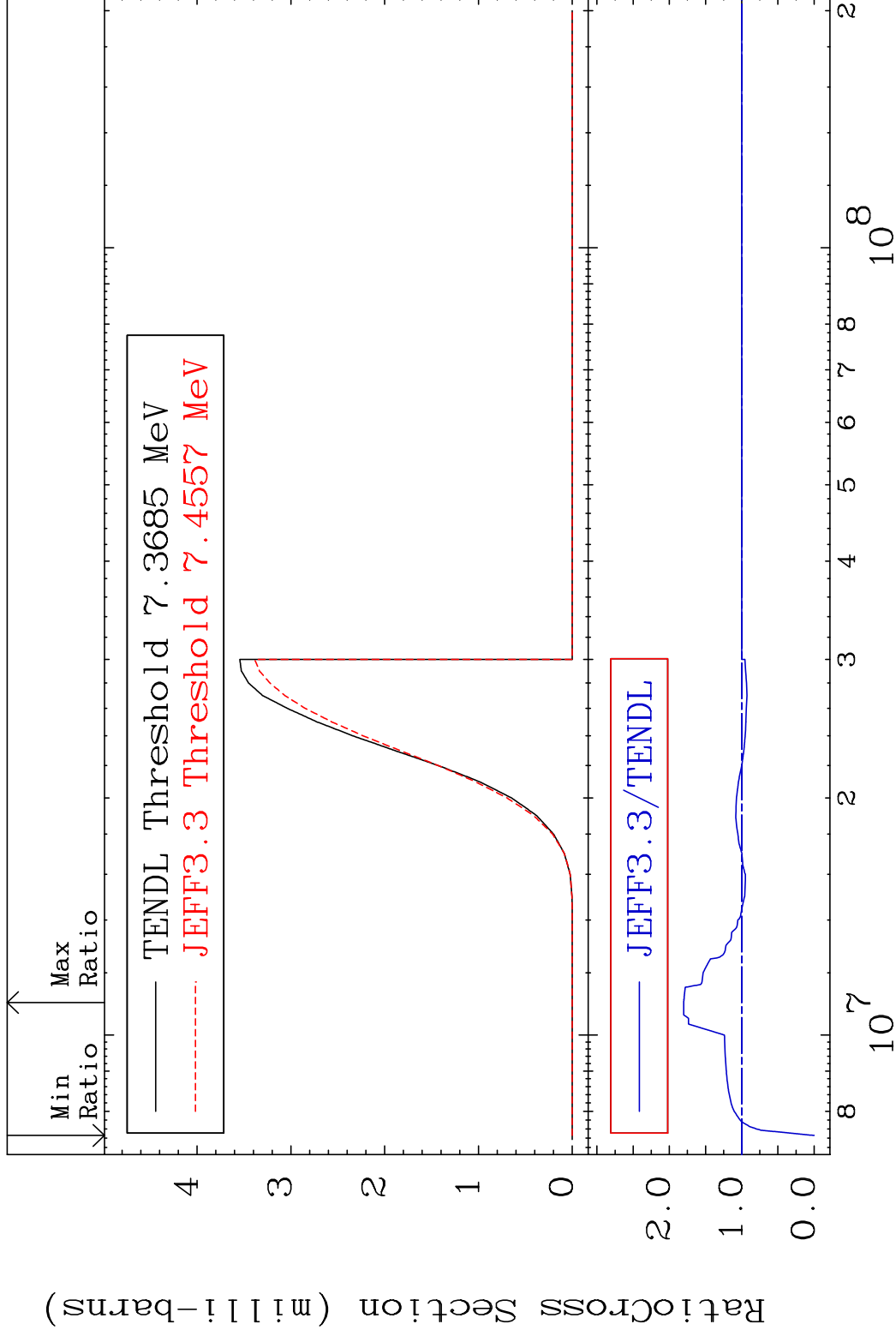
16-S -33

MAT 1628

(n,2α)

16-S -33

Cross Section -100.0 To 80.24 %



49

Incident Energy (eV)

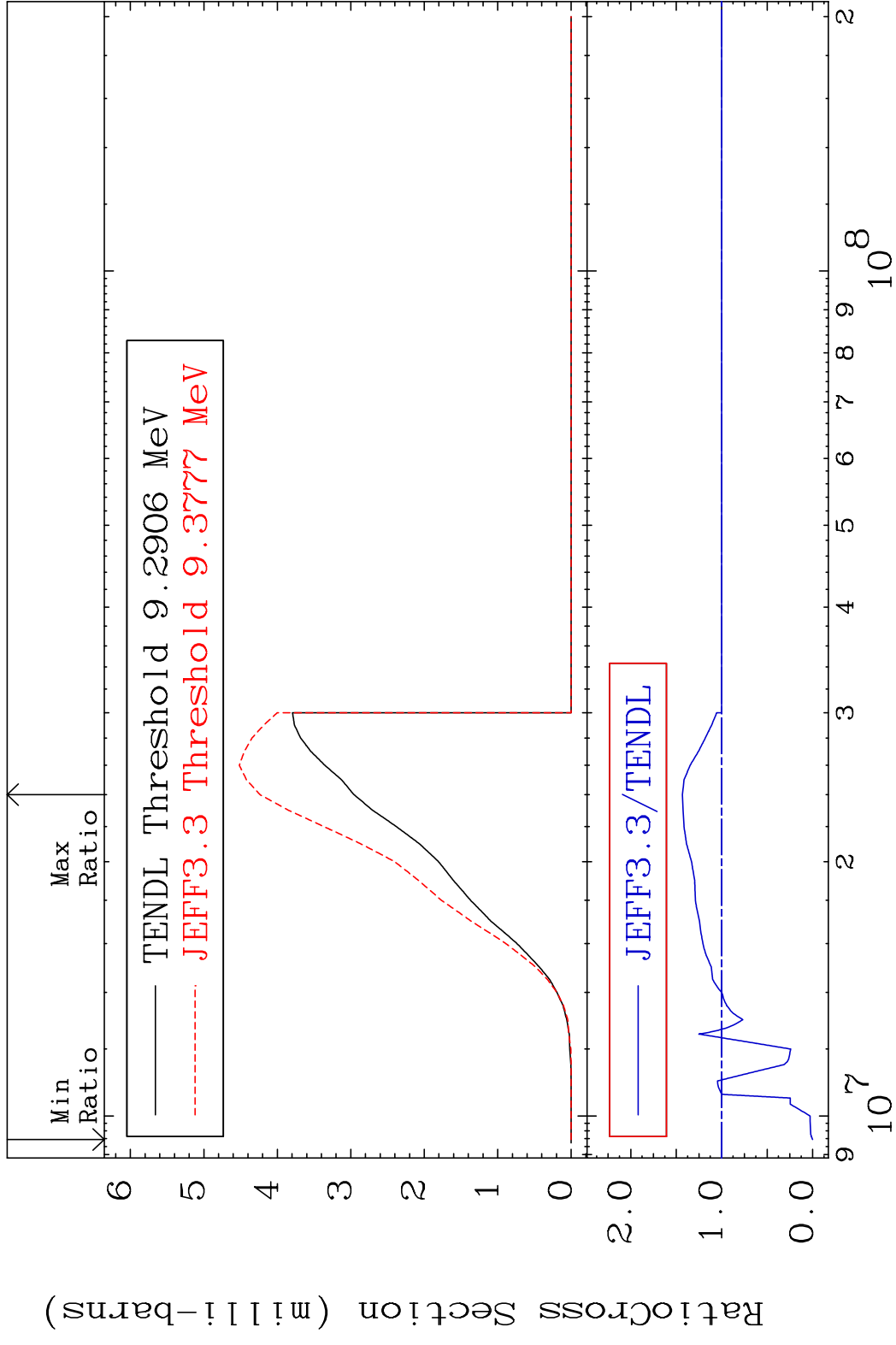
16-S -33

MAT 1628

(n,2p)

16-S -33

Cross Section -100.0 To 43.25 %



50

Incident Energy (eV)

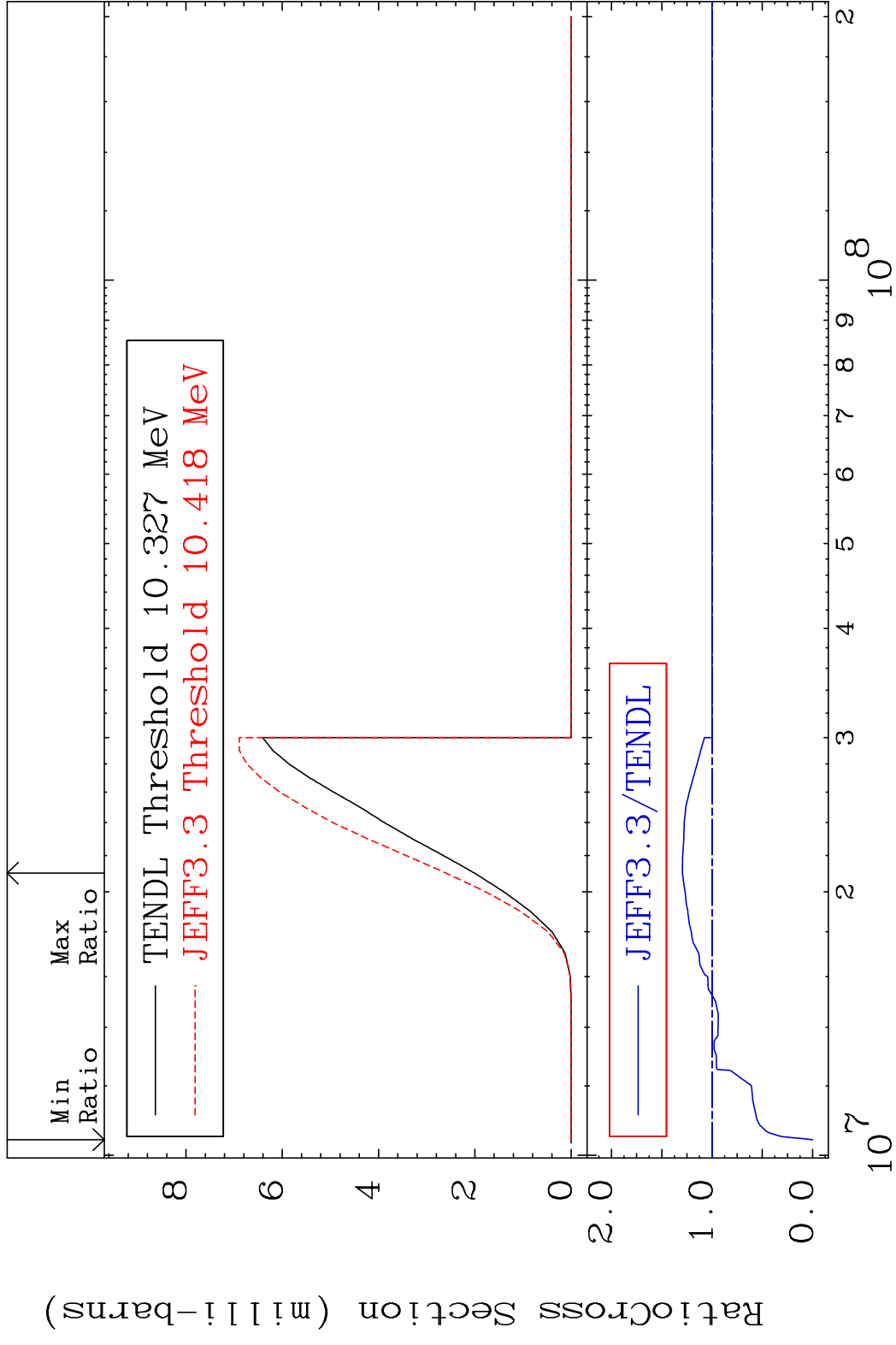
16-S -33

MAT 1628

(n,p) α

16-S -33

Cross Section -100.0 To 29.51 %

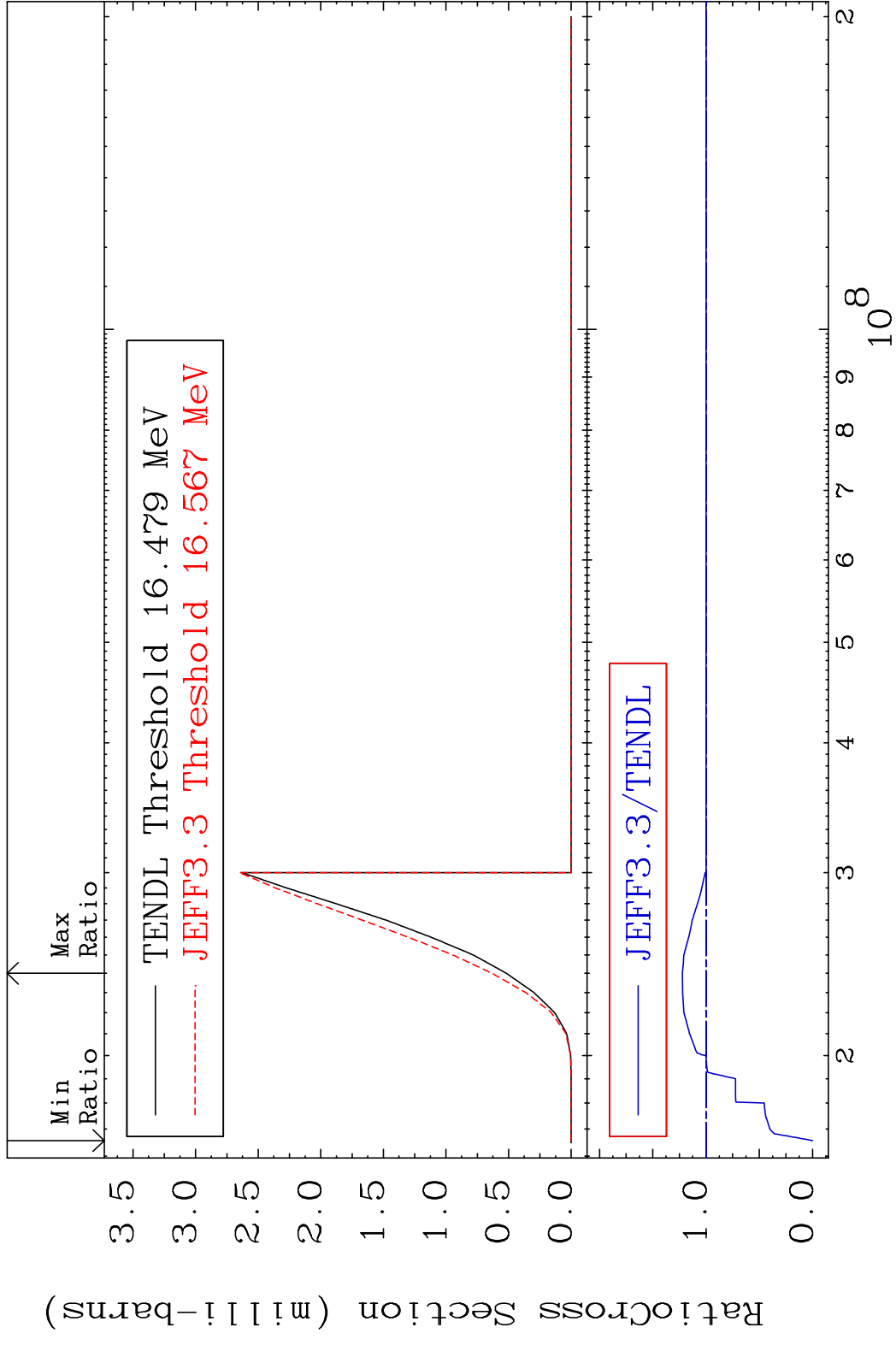


51

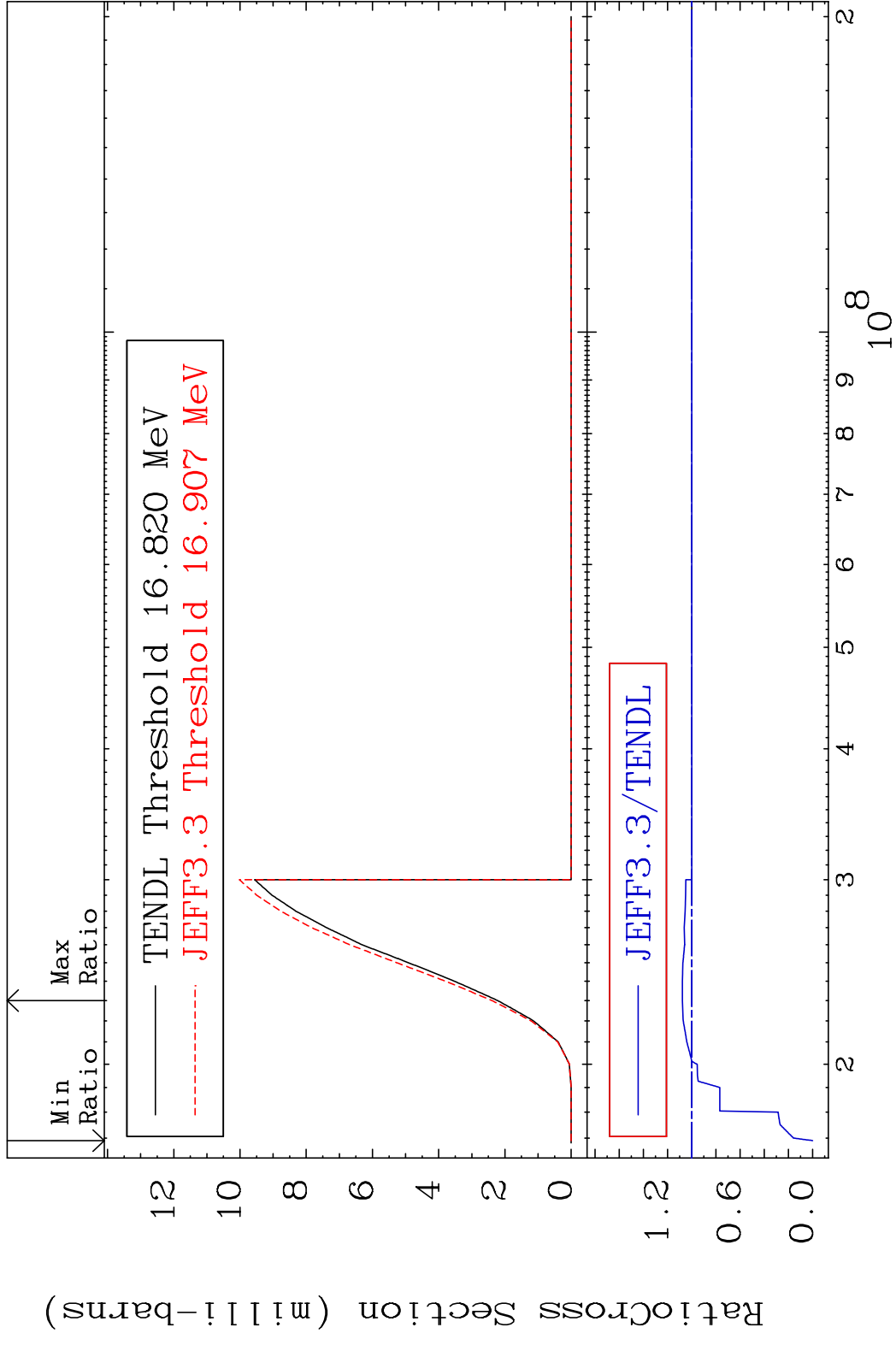
Incident Energy (eV)

16-S -33

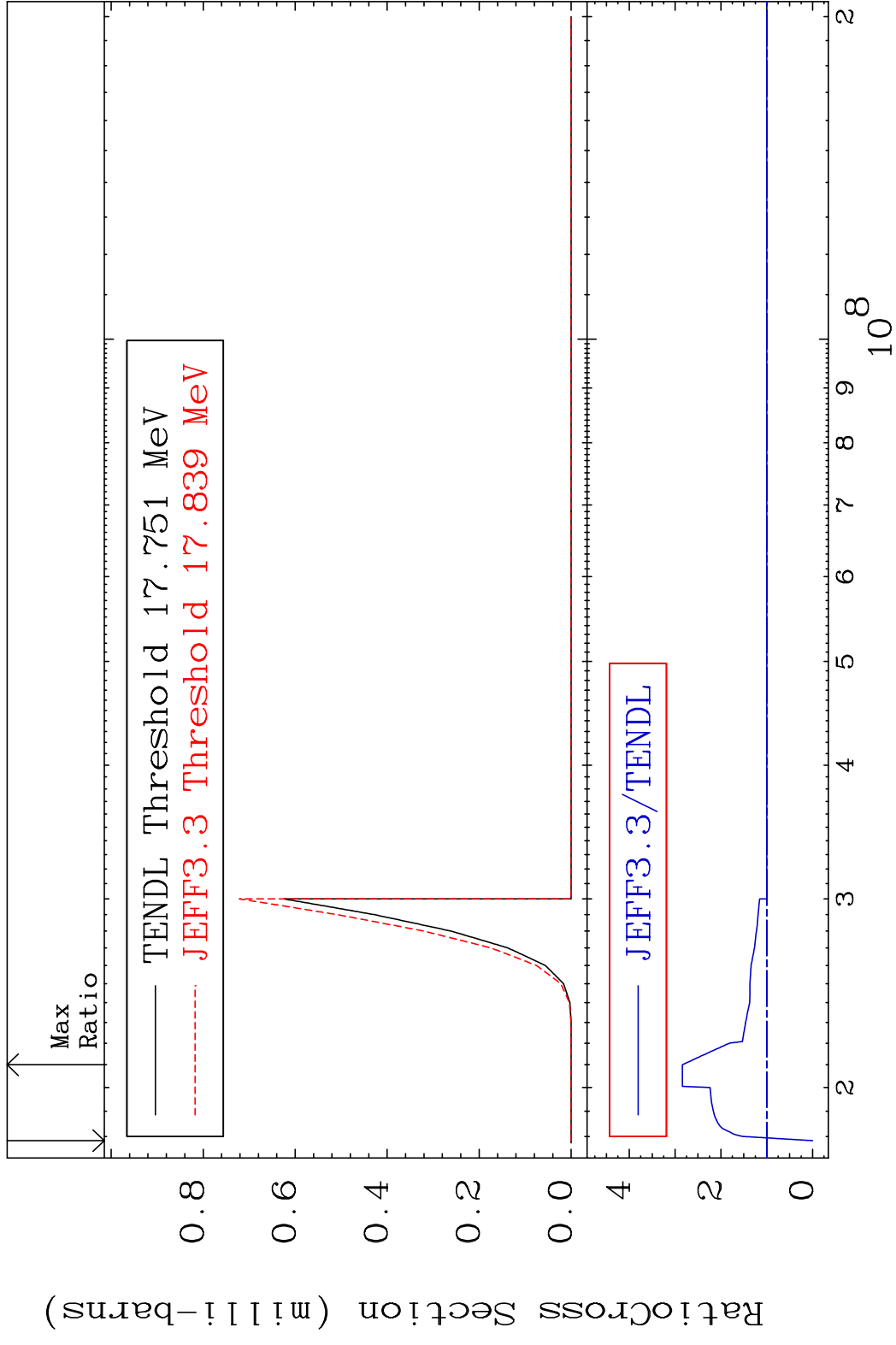
MAT 1628 (n,p) d 16-S -33
 Cross Section -100.0 To 22.22 %



MAT 1628 (n,p) t 16-S -33
 Cross Section -100.0 To 7.701 %



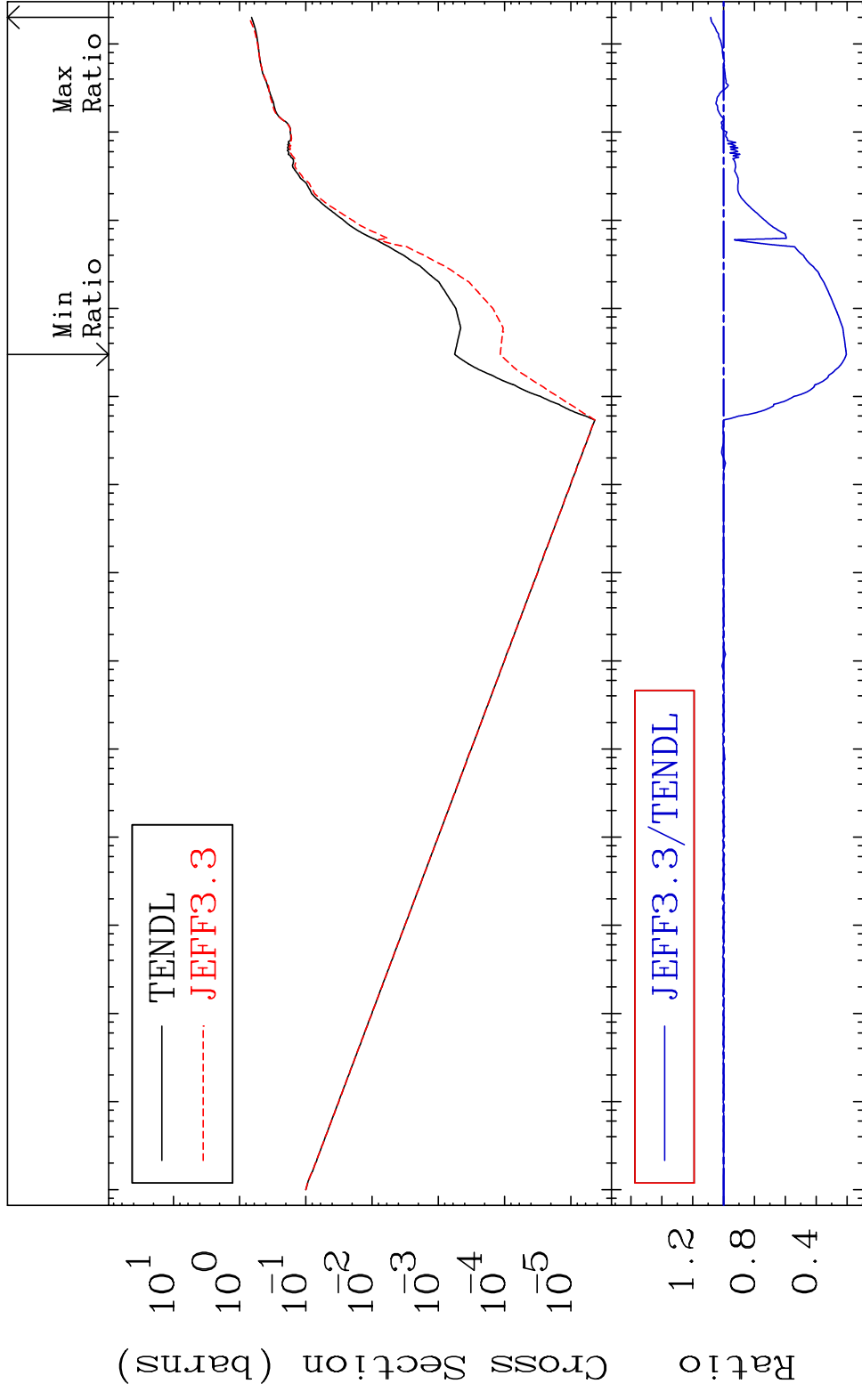
MAT 1628 (n,d) α 16-S -33
 Cross Section -100.0 To 184.2 %



MAT 1628

Hydrogen Production
Cross Section -79.48 To 8.294 %

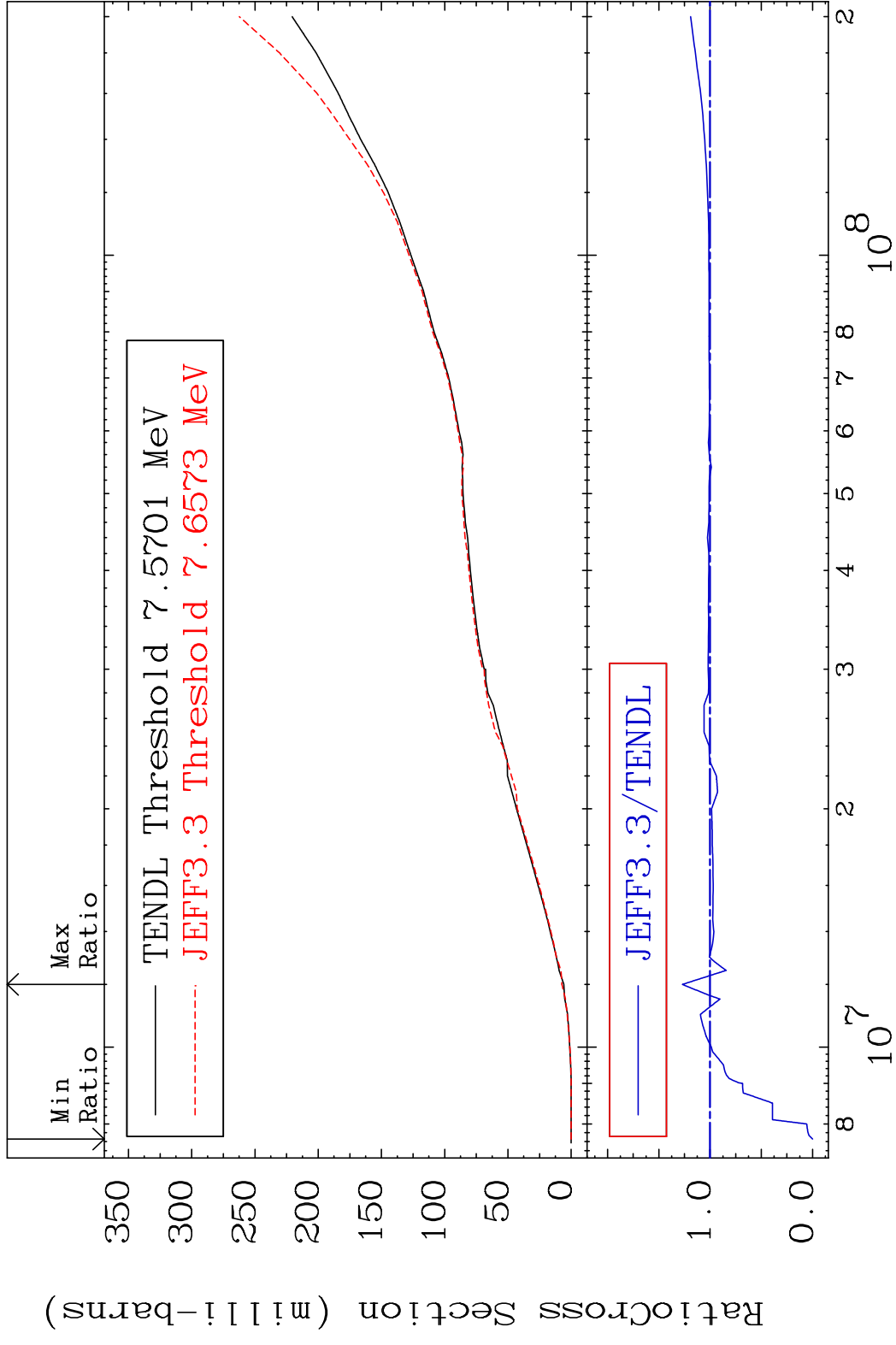
16-S -33



55

Incident Energy (eV)

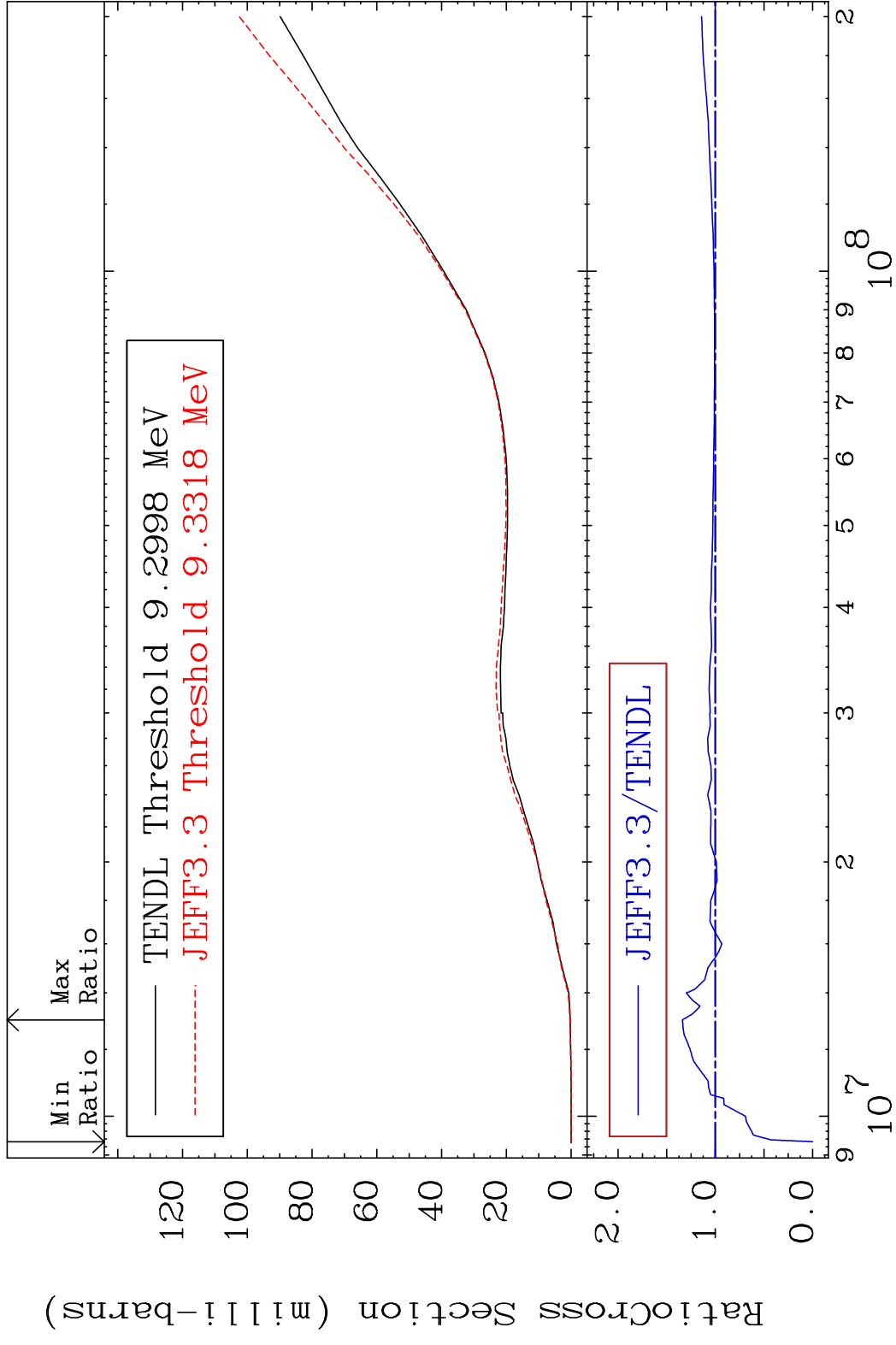
16-S -33



MAT 1628

Tritium Production
Cross Section -100.0 To 33.90 %

16-S -33

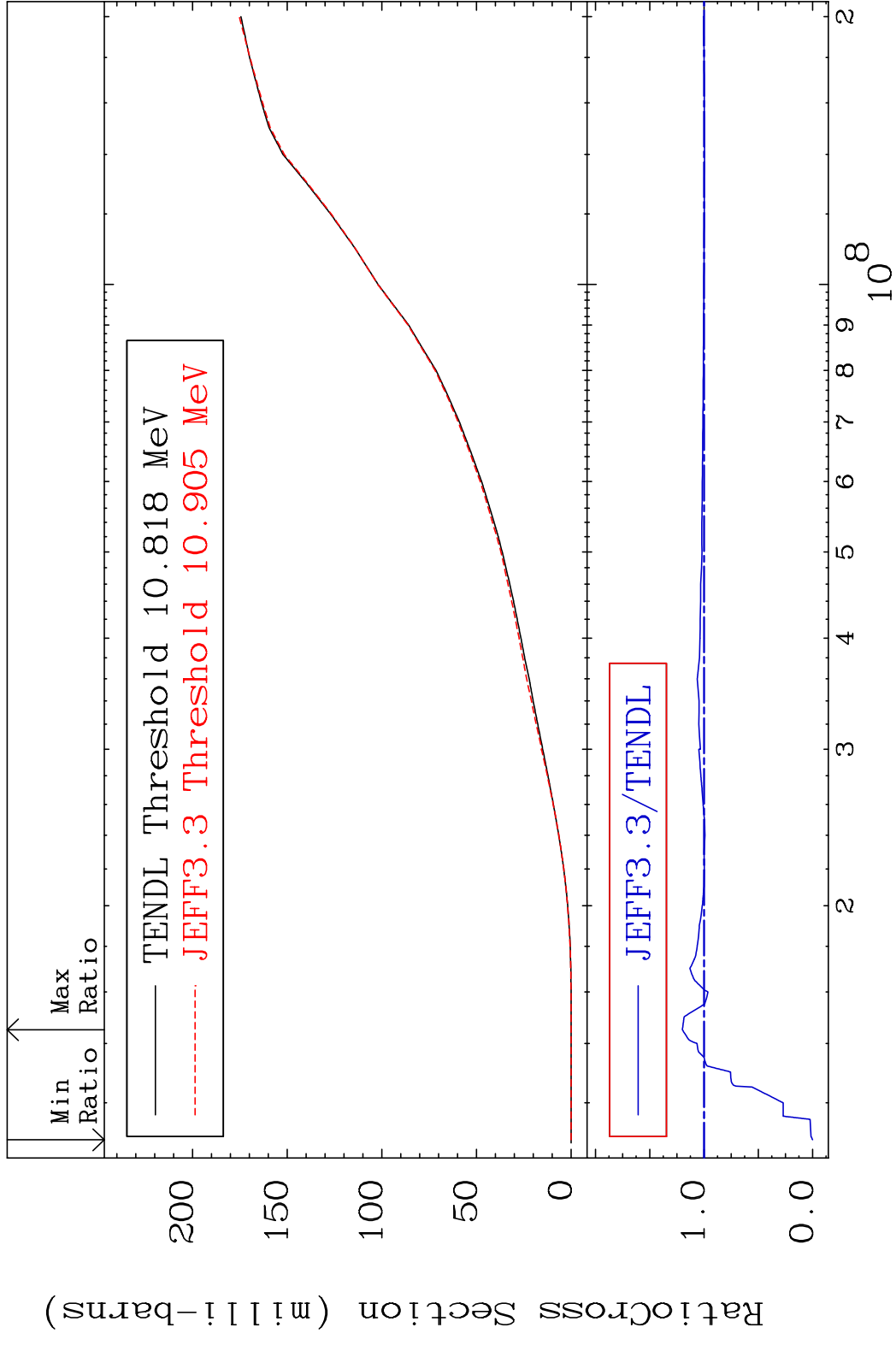


57

Incident Energy (eV)

16-S -33

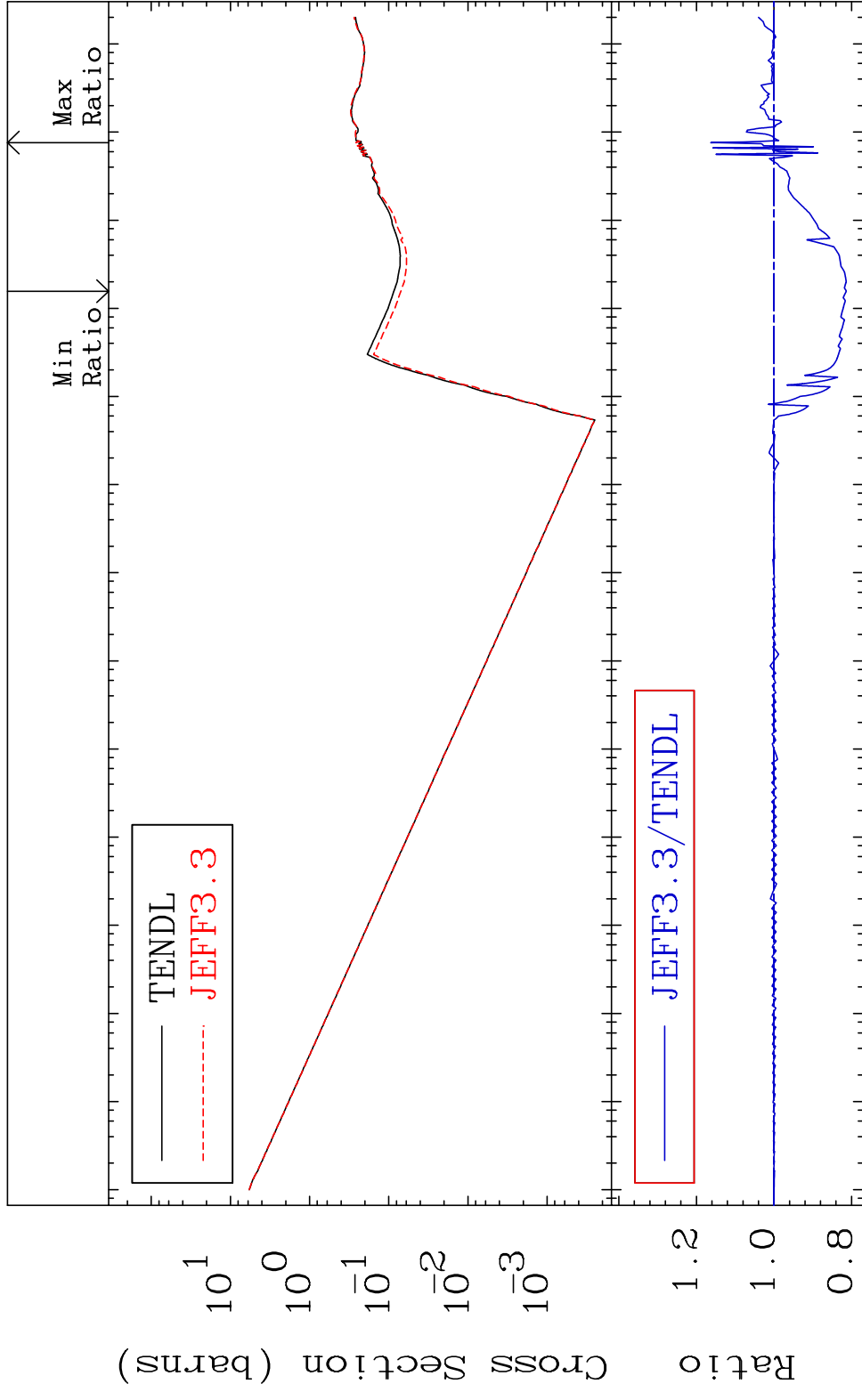
MAT 1628 He-3 Production 16-S -33
 Cross Section -100.0 To 19.94 %



MAT 1628

He-4 Production
Cross Section

16-S -33
-18.65 To 16.31 %

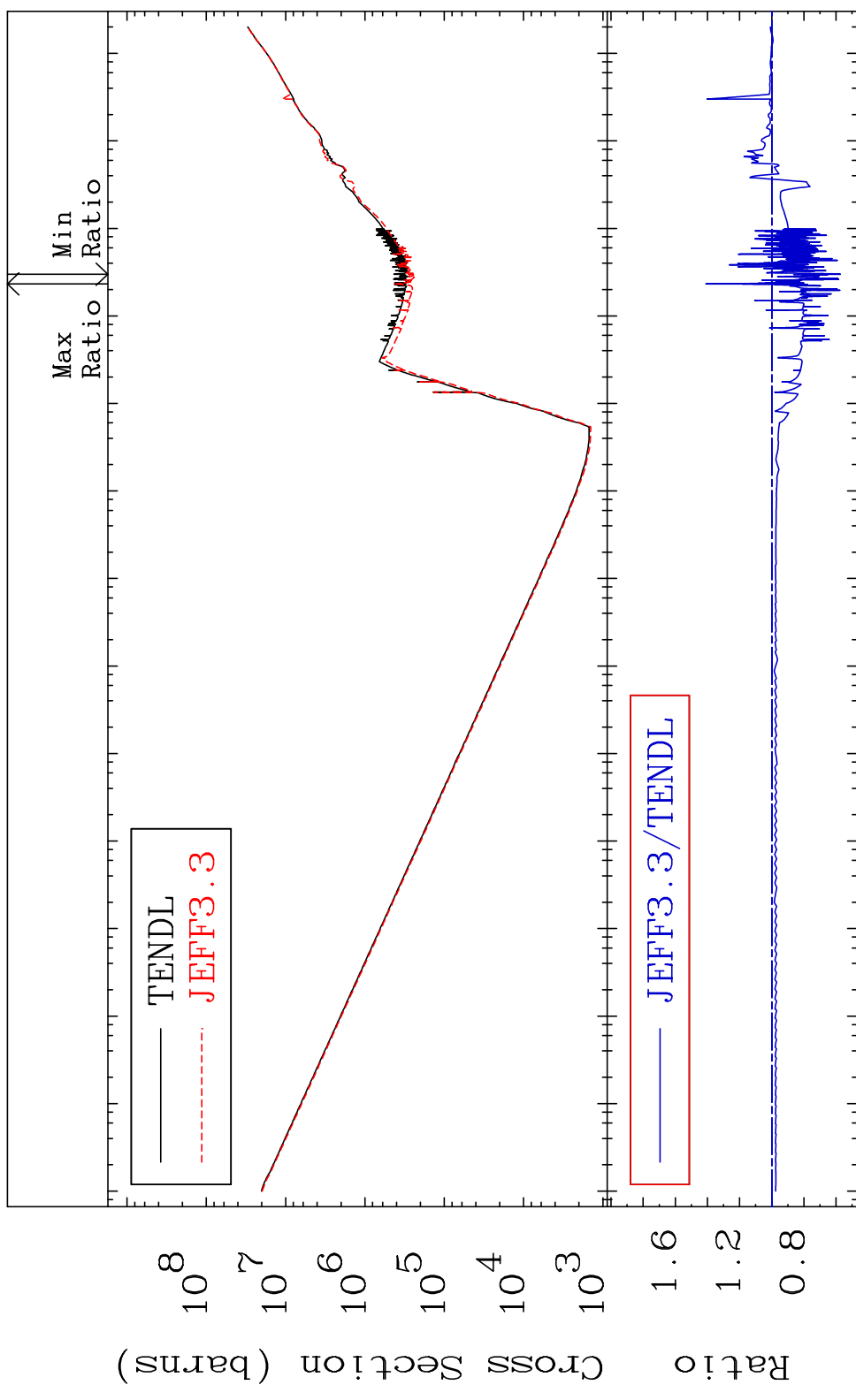


MAT 1628

Kerma total (eV-barns)

16-S -33

Cross Section -42.73 To 41.05 %



60

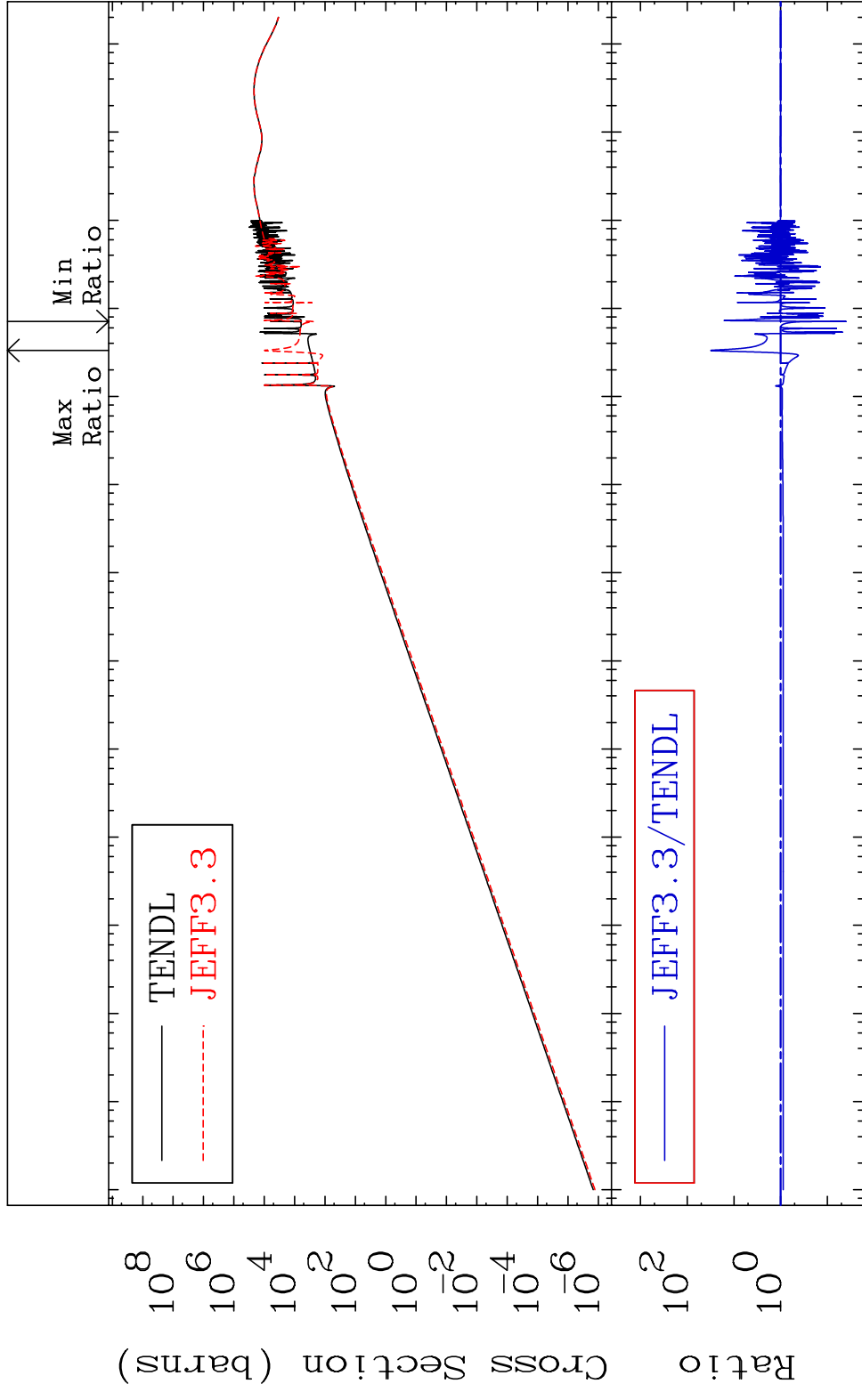
Incident Energy (eV)

16-S -33

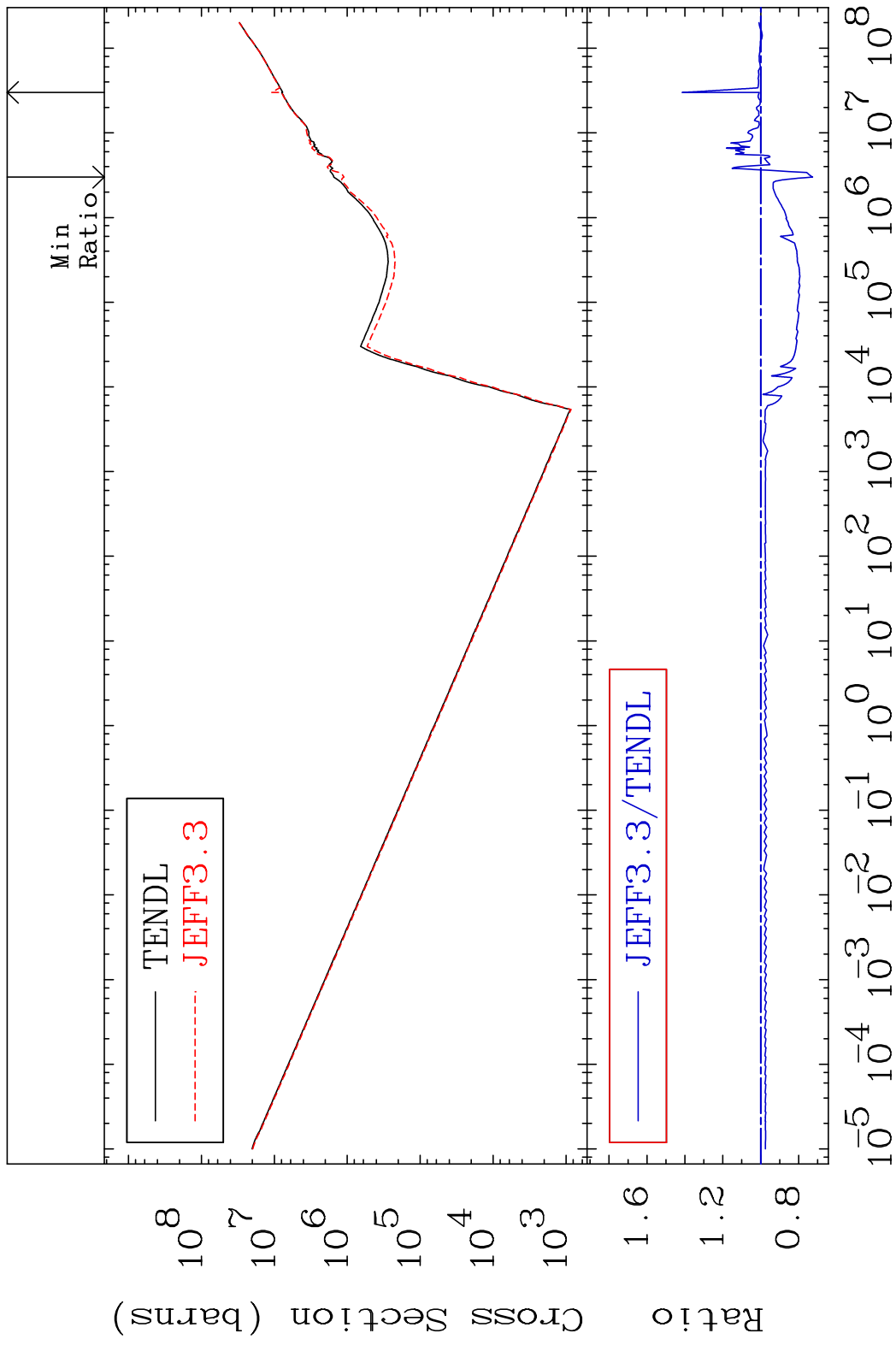
MAT 1628

Kerma elastic
Cross Section

16-S -33
-96.08 To 3038. %

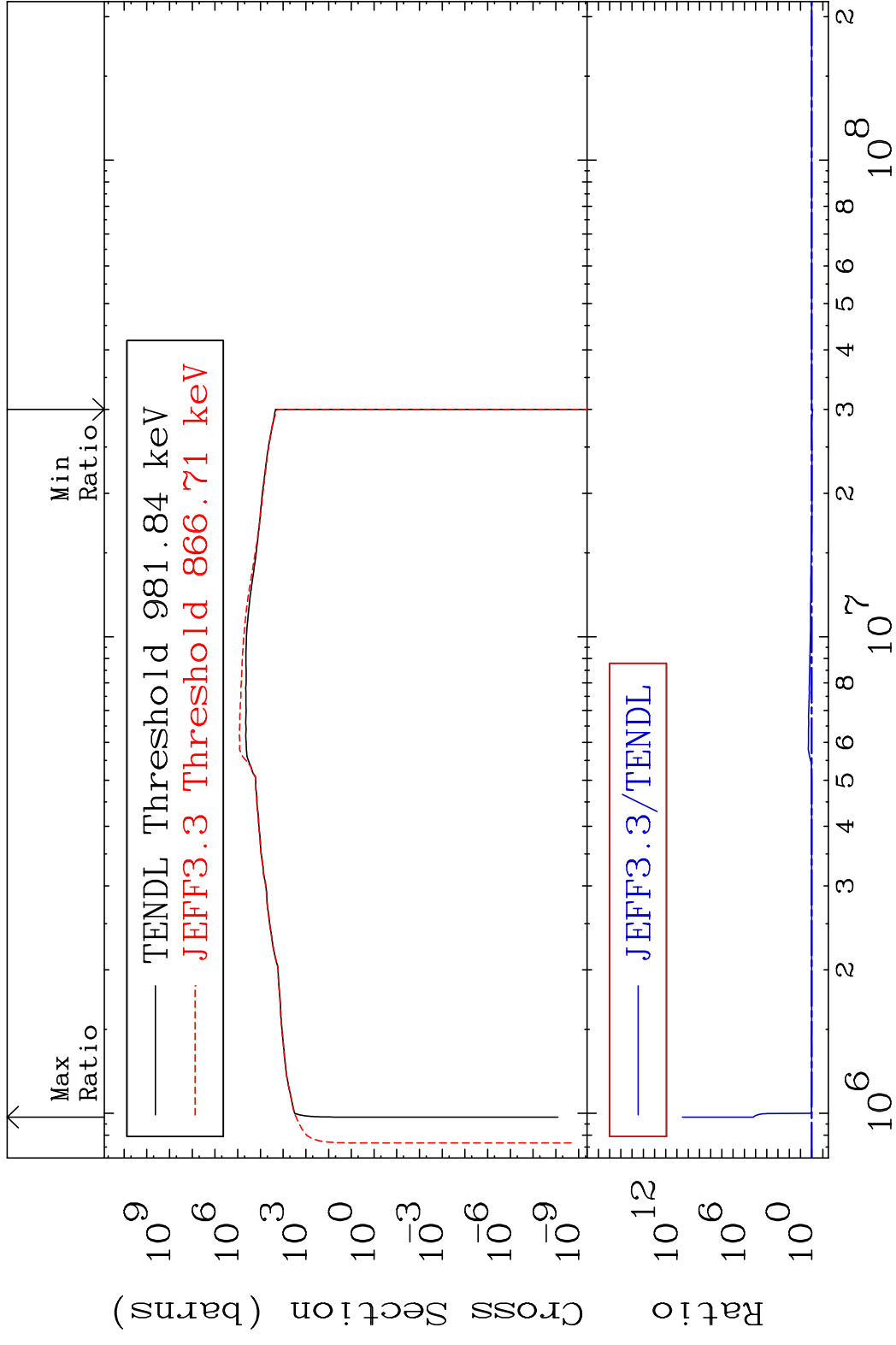


MAT 1628 Kerma non-elastic (all but mt2) 16-S -33
 Cross Section -27.33 To 41.34 %

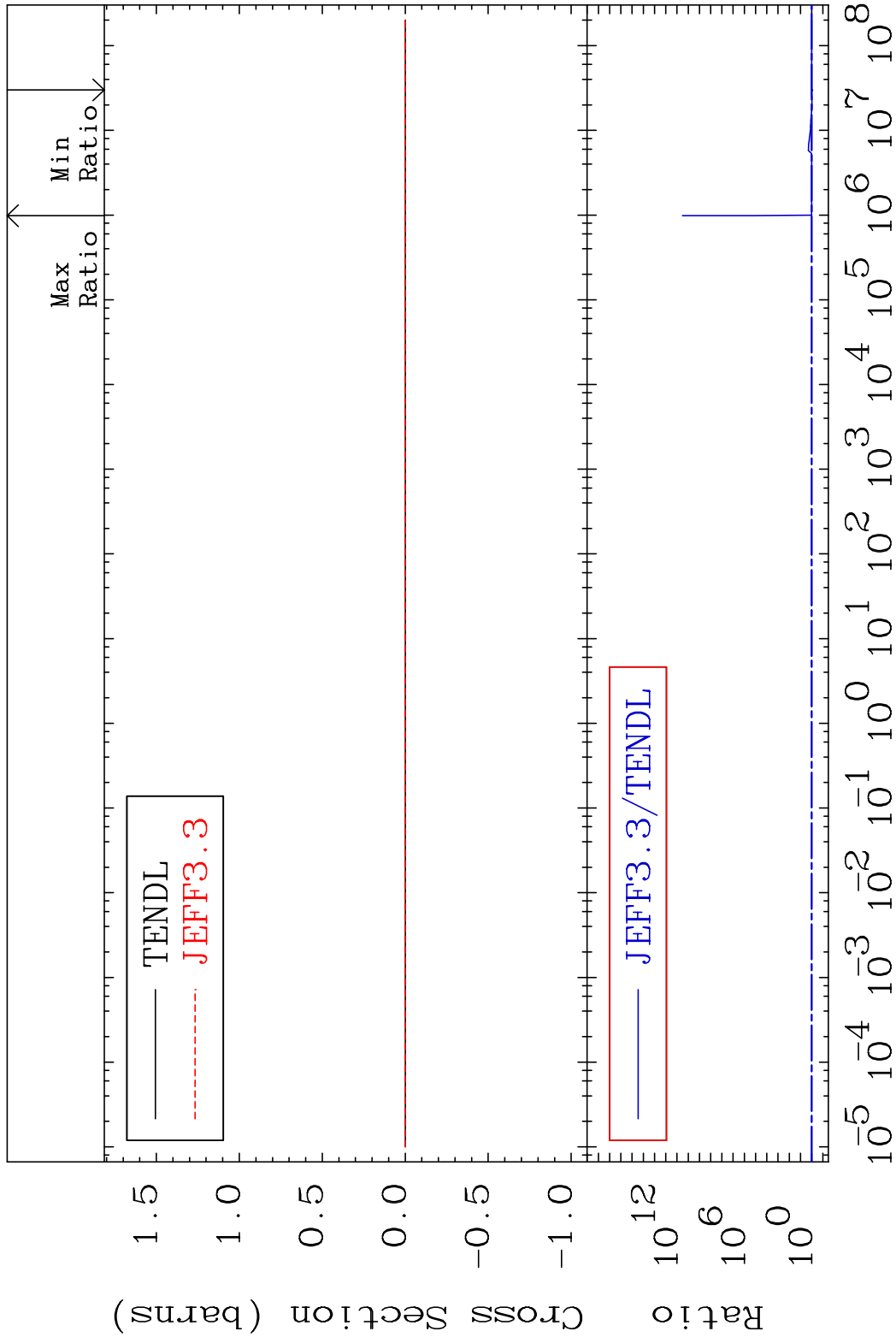


62 Incident Energy (eV) 16-S -33

MAT 1628 Kerma inelastic (mt51-91) 16-S -33
 Cross Section -16.03 To 9999. %

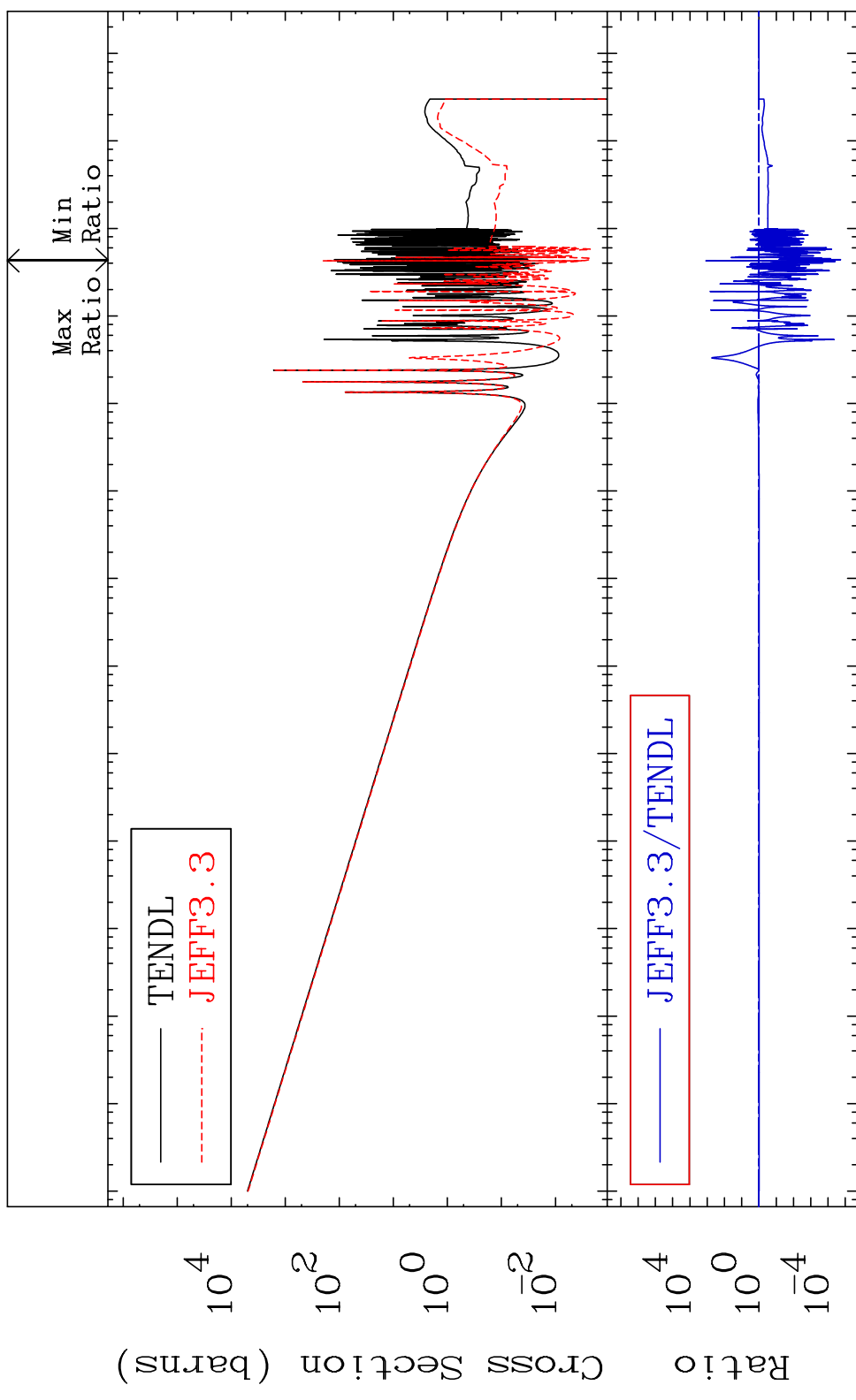


MAT 1628 Kerma fission (mt18 or mt19-20-21-38) 16-S -33
 Cross Section -16.03 To 9999. %



MAT 1628

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



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Incident Energy (eV)

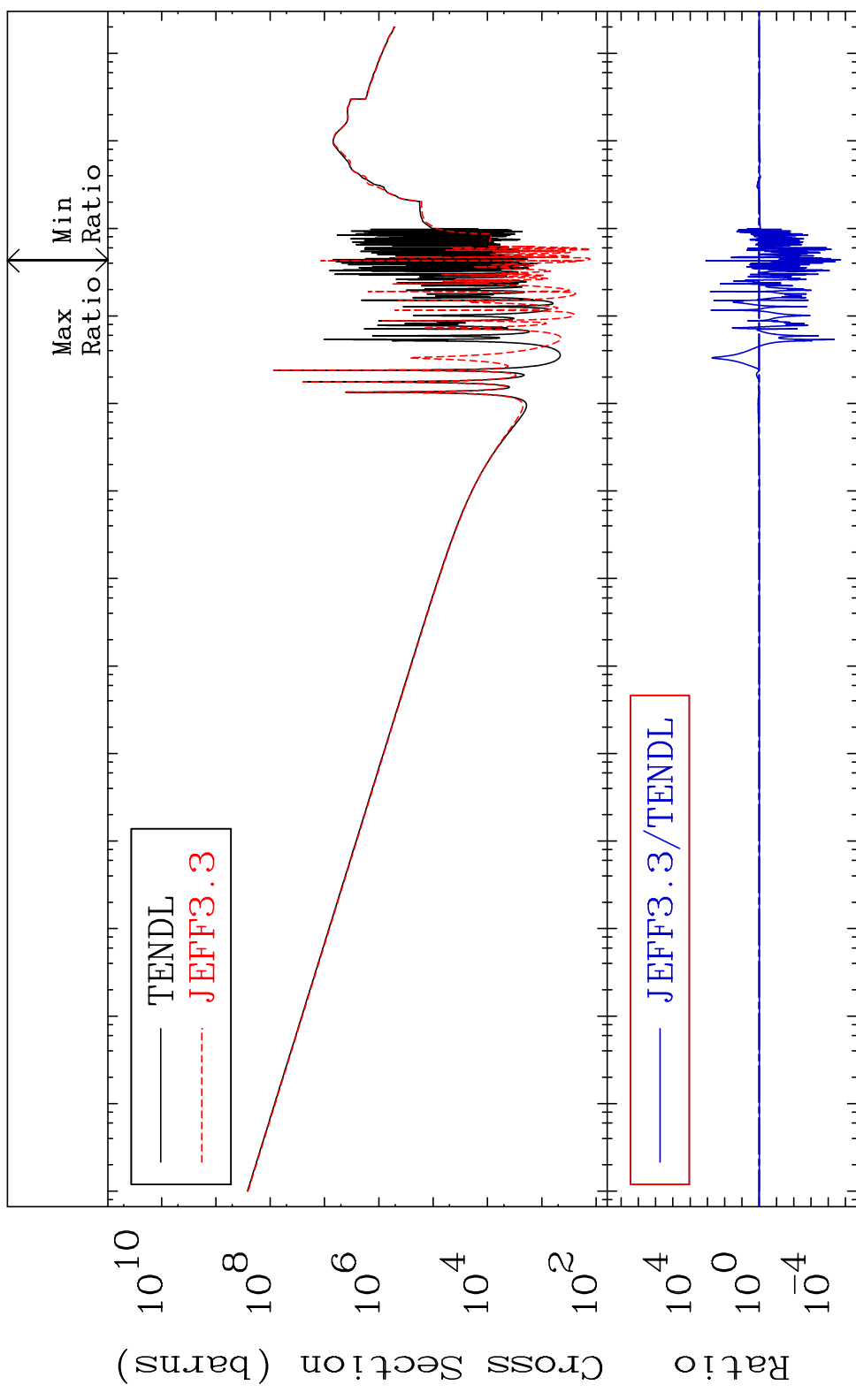
16-S -33

MAT 1628

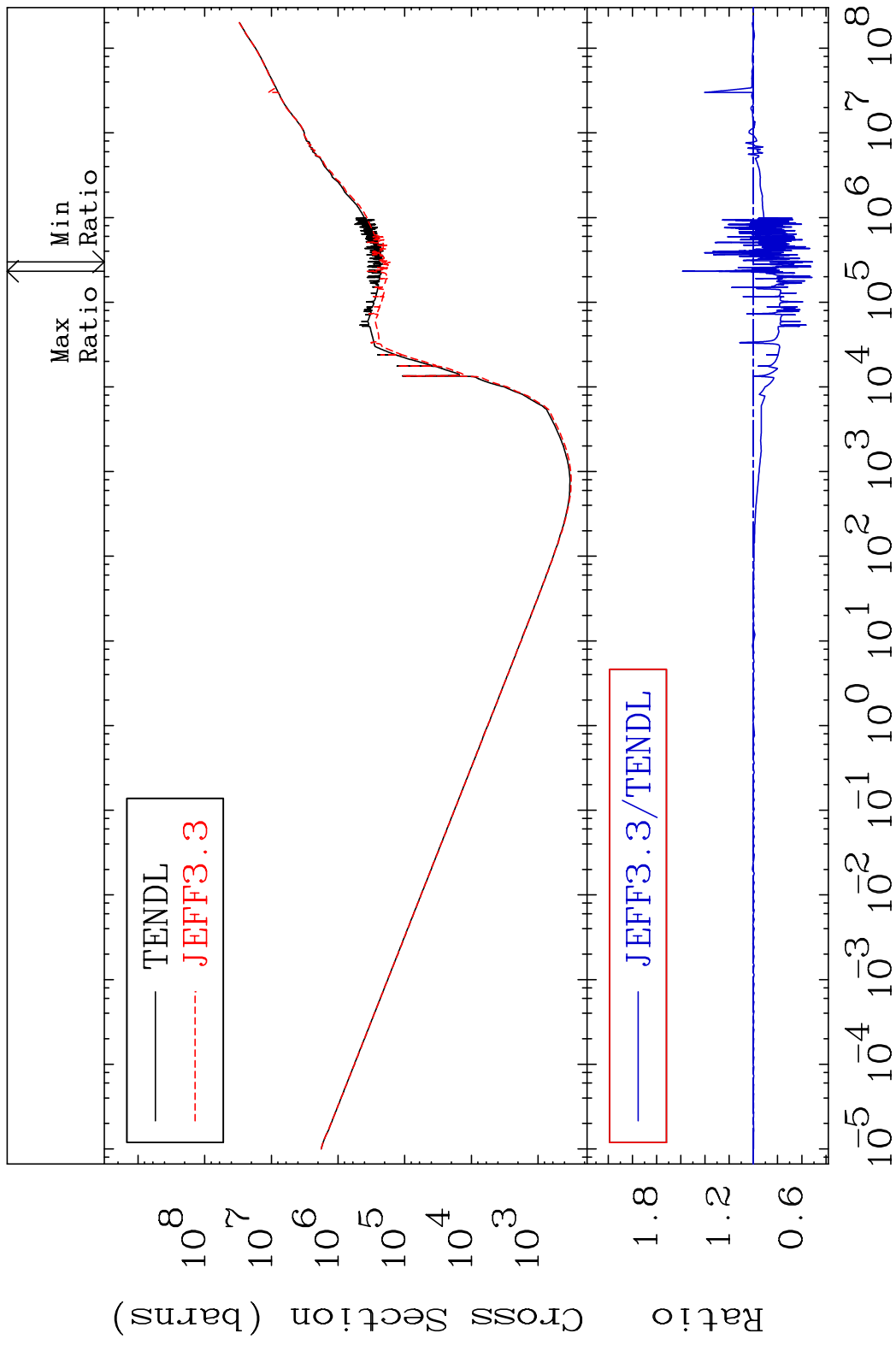
Total photon (eV-barns)

16-S -33

Cross Section -100.0 To 9999. %



MAT 1628 Total kinematic kerma (high limit) 16-S -33
Cross Section -48.91 To 58.69 %

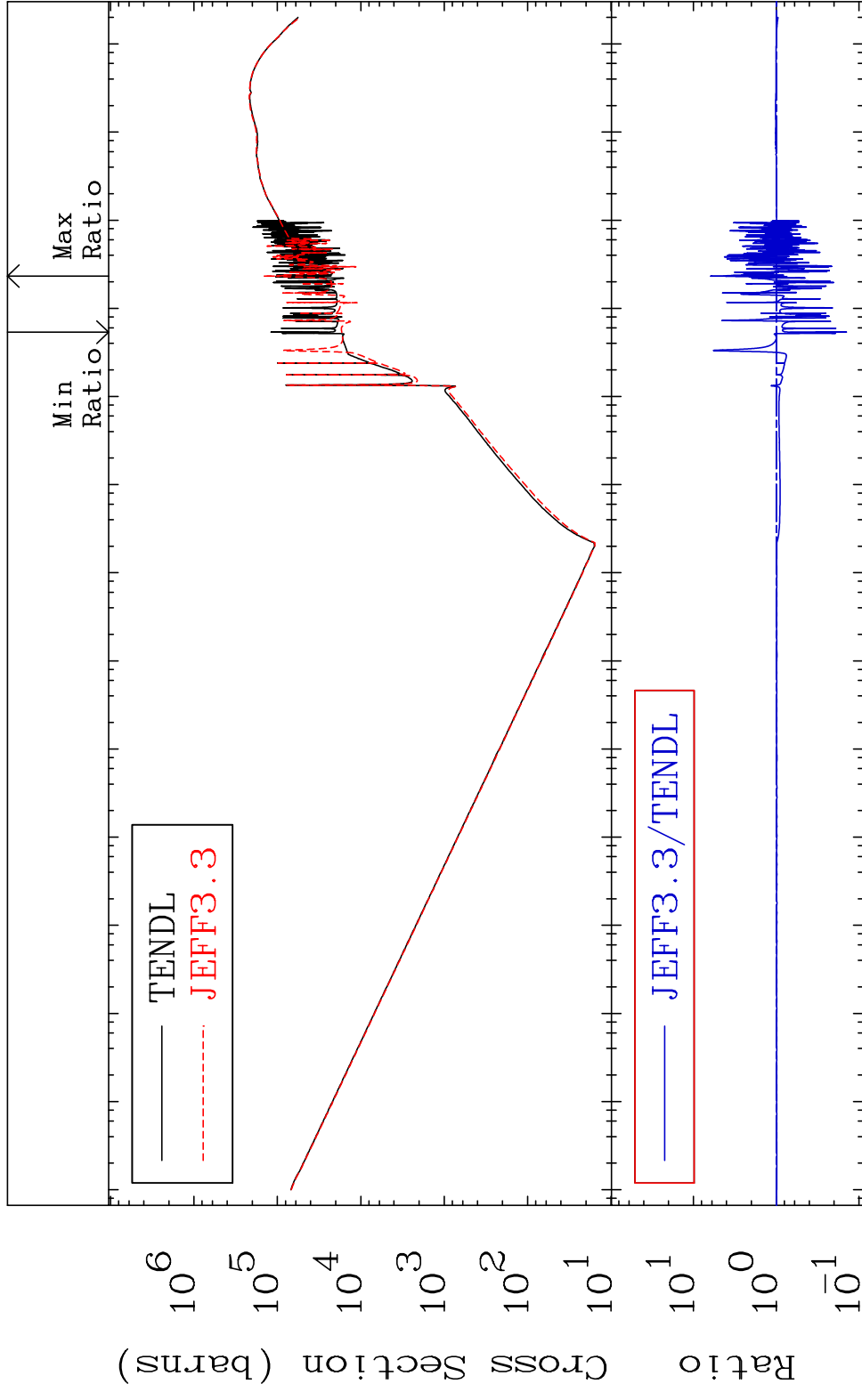


MAT 1628

Dpa total (eV-barns)

16-S -33

Cross Section -85.75 To 519.6 %

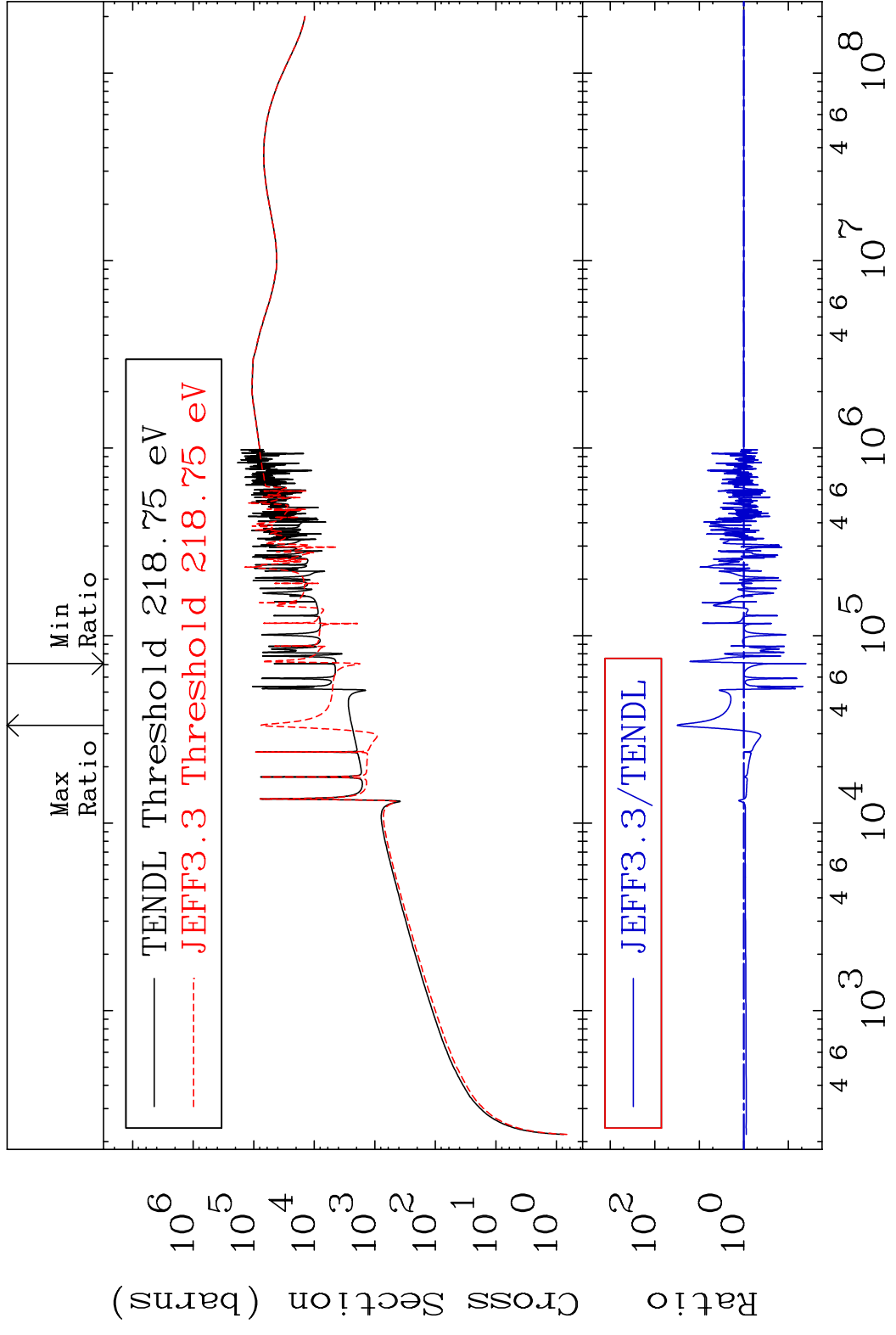


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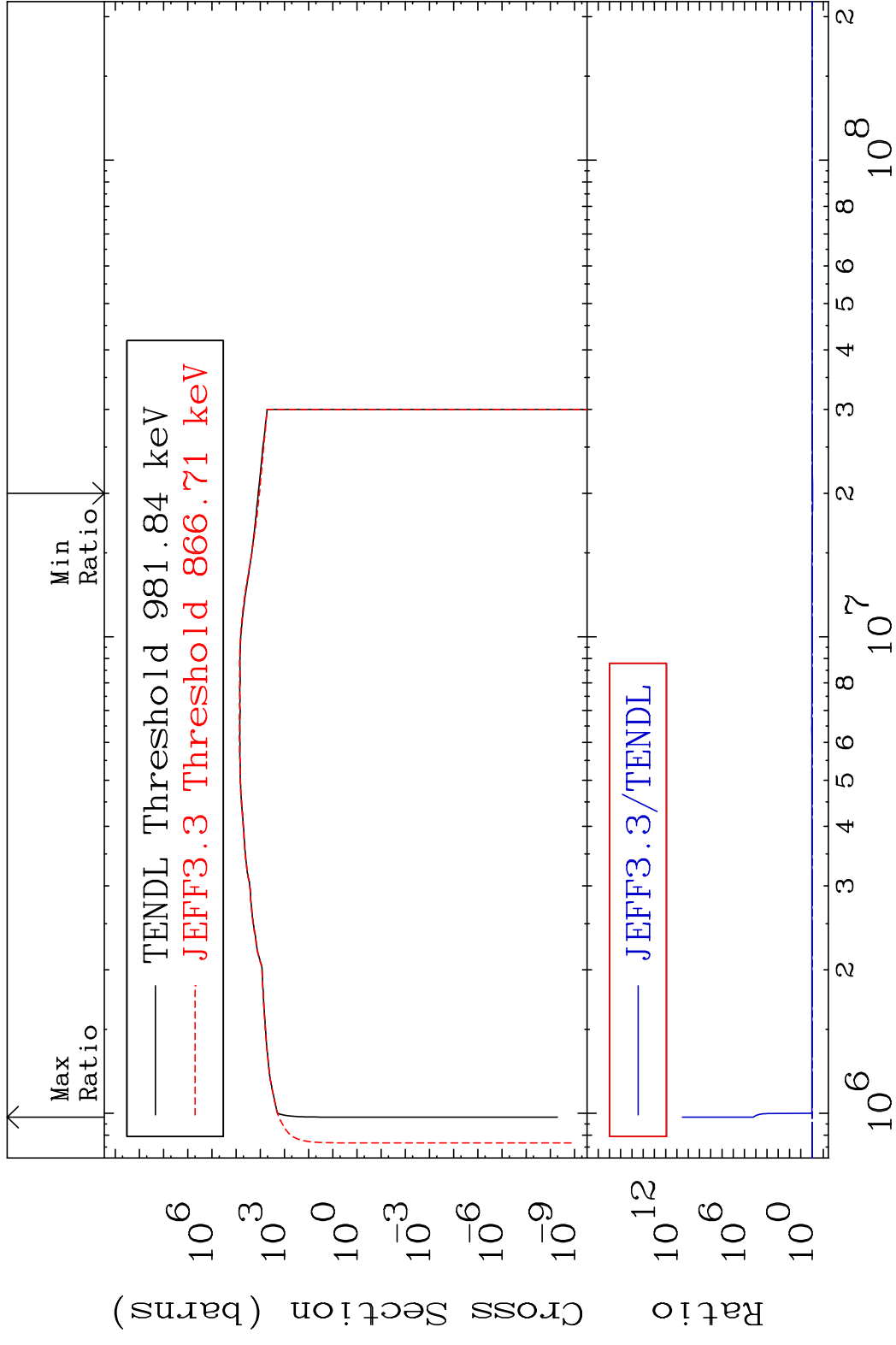
Incident Energy (eV)

16-S -33

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

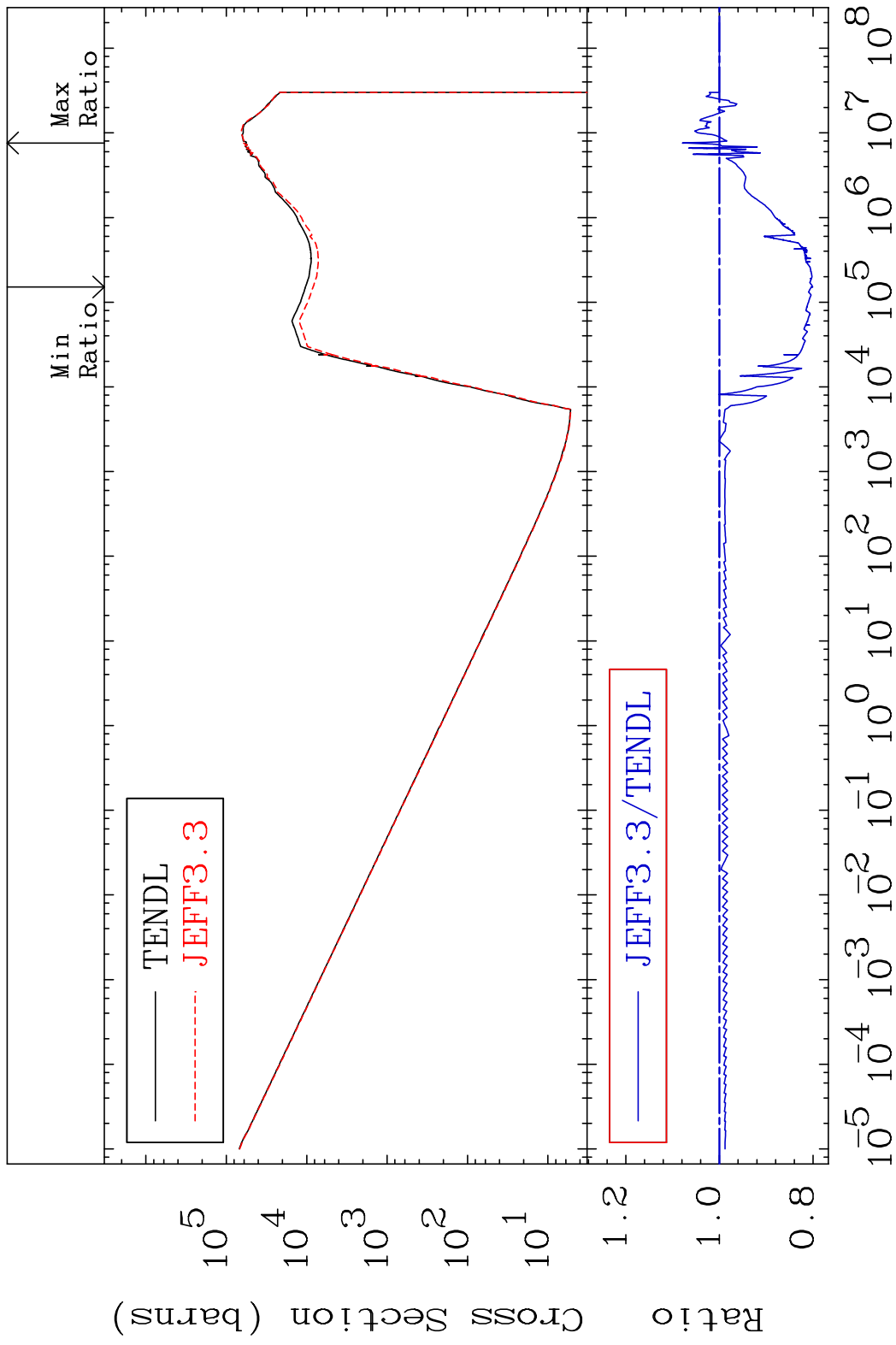


MAT 1628 Dpa inelastic (mt51-91) 16-S -33
 Cross Section -9.941 To 9999. %



70 Incident Energy (eV) 16-S -33

MAT 1628 Dpa disappearance (mt102 -120) 16-S -33
 Cross Section -19.90 To 7.922 %



71 Incident Energy (eV) 16-S -33