

Program Complot
(Version 2021-1)

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

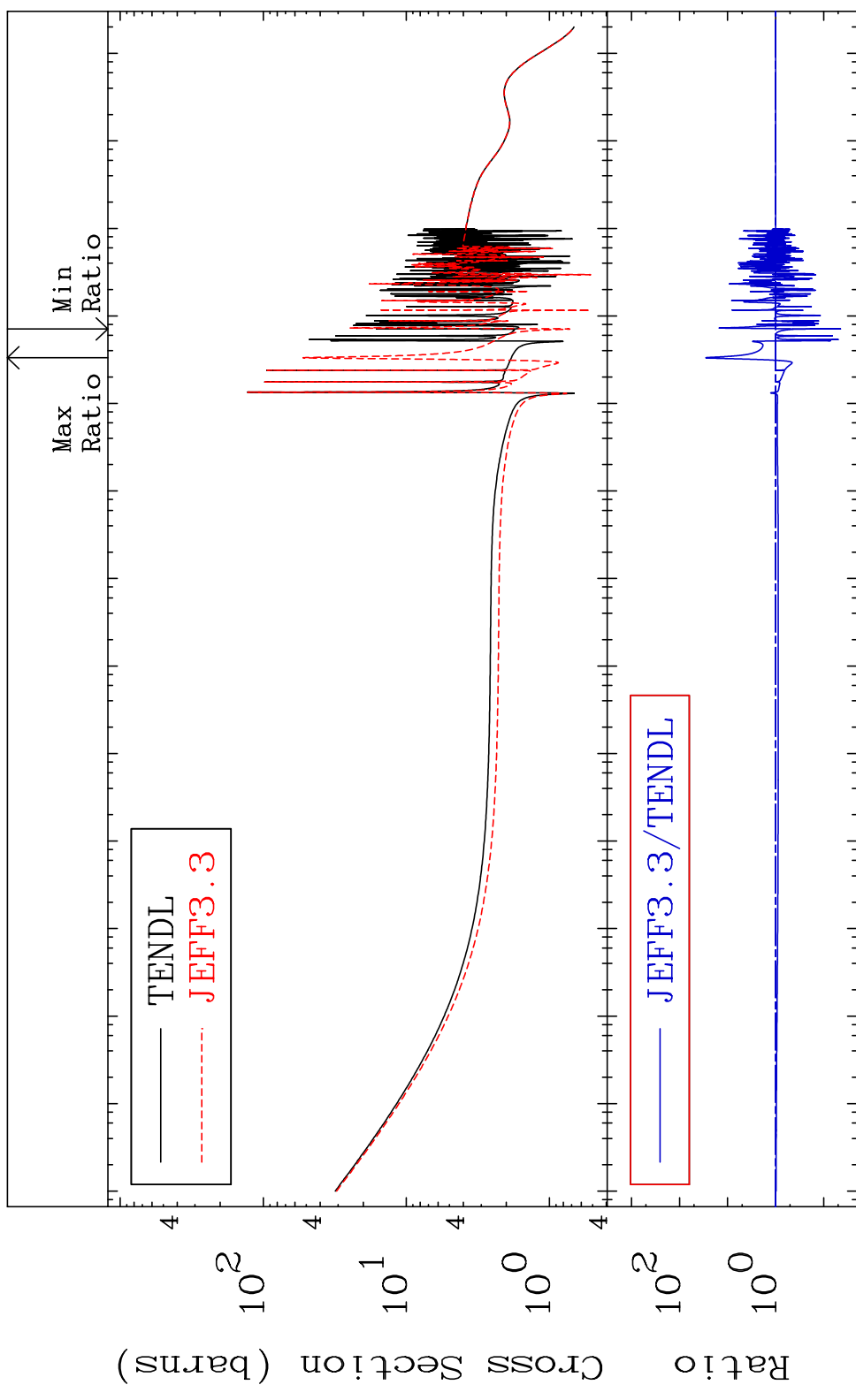
Press Mouse Button to Start

MAT 1628

Total

16-S -33

Cross Section -95.53 To 2745. %



1

Incident Energy (eV)

16-S -33

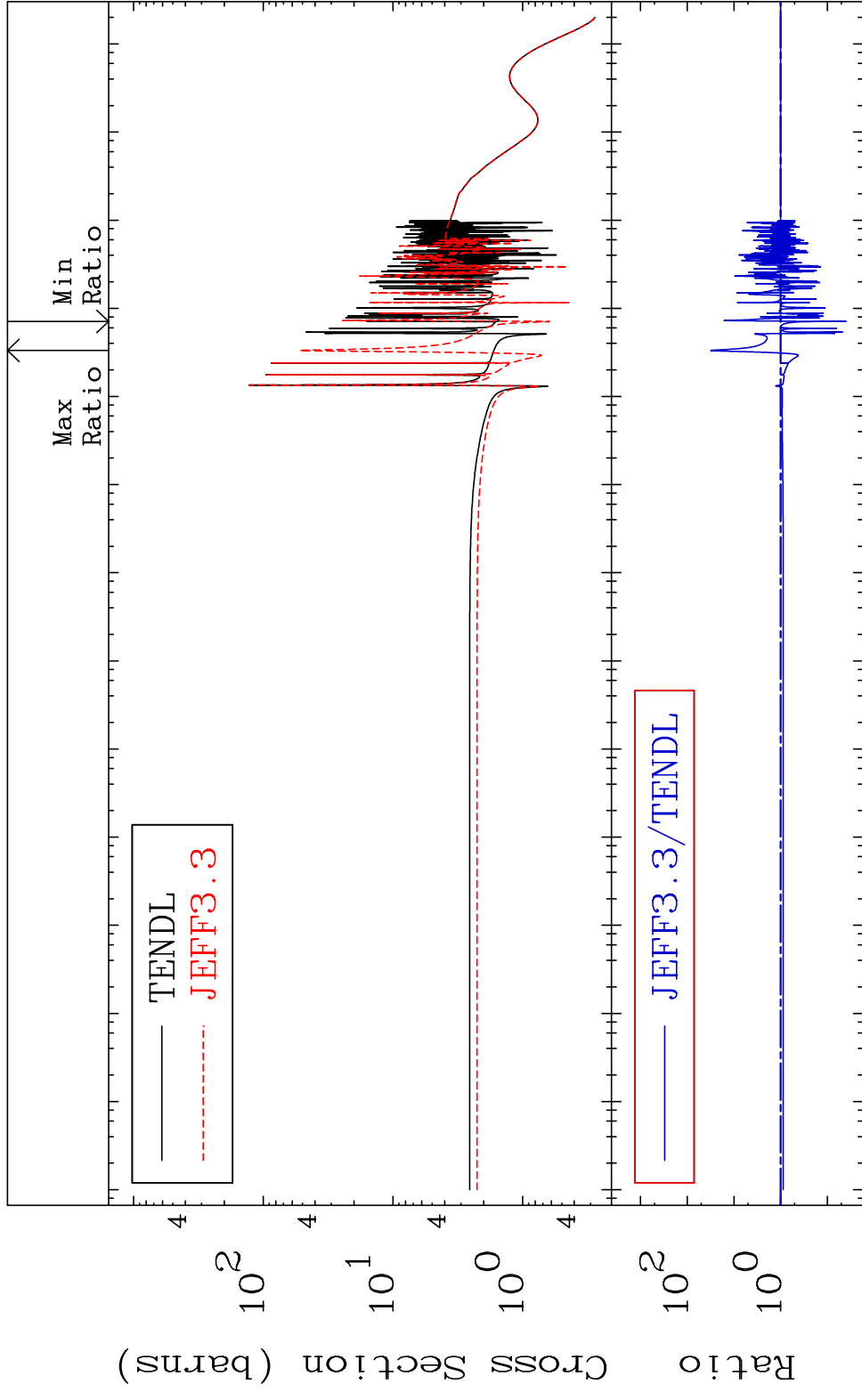
MAT 1628

Elastic

16-S -33

Cross Section

-96.08 To 3038. %

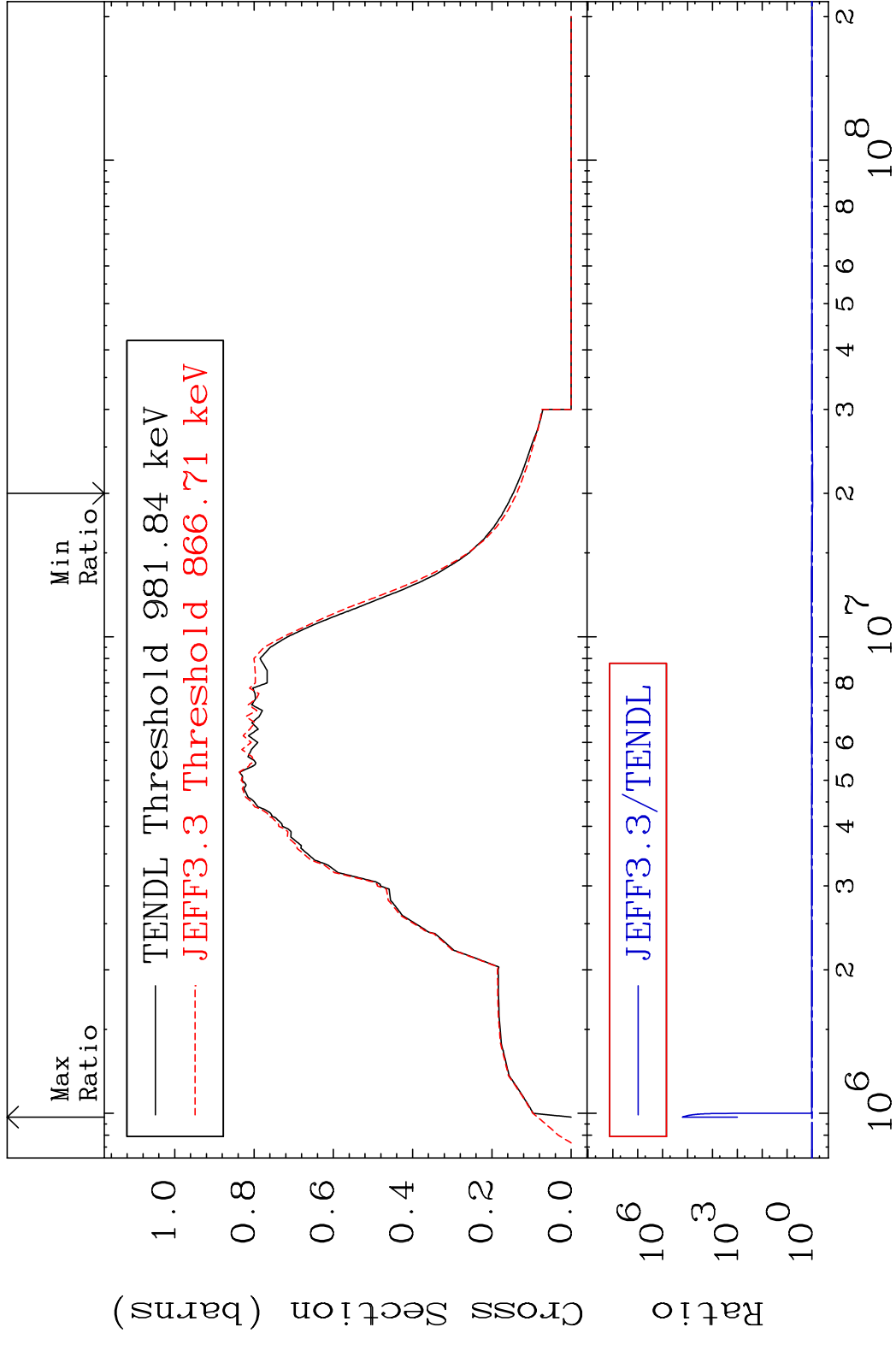


2

Incident Energy (eV)

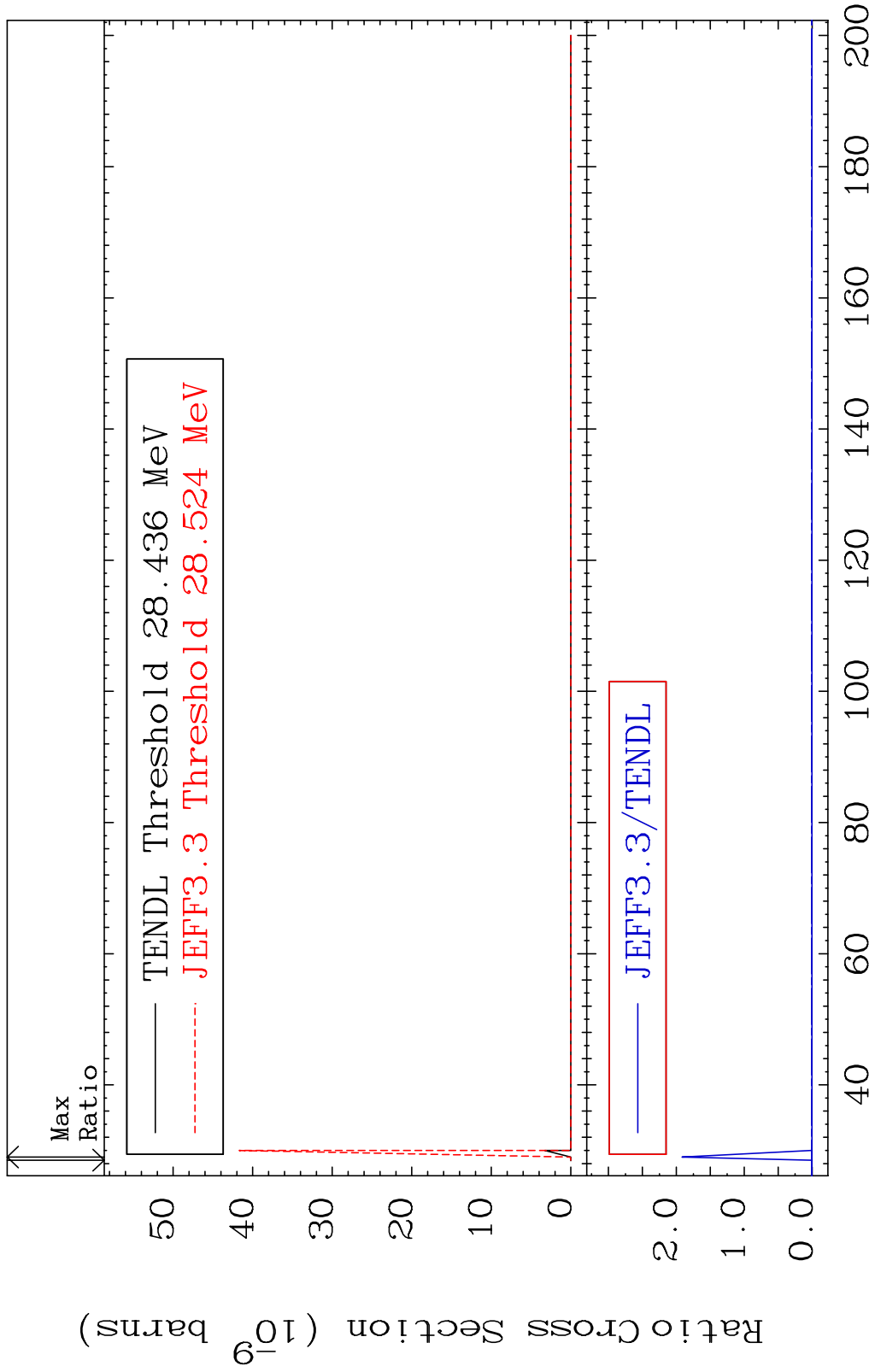
16-S -33

MAT 1628 Inelastic 16-S -33
 Cross Section -6.191 To 9999. %



3 16-S -33

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

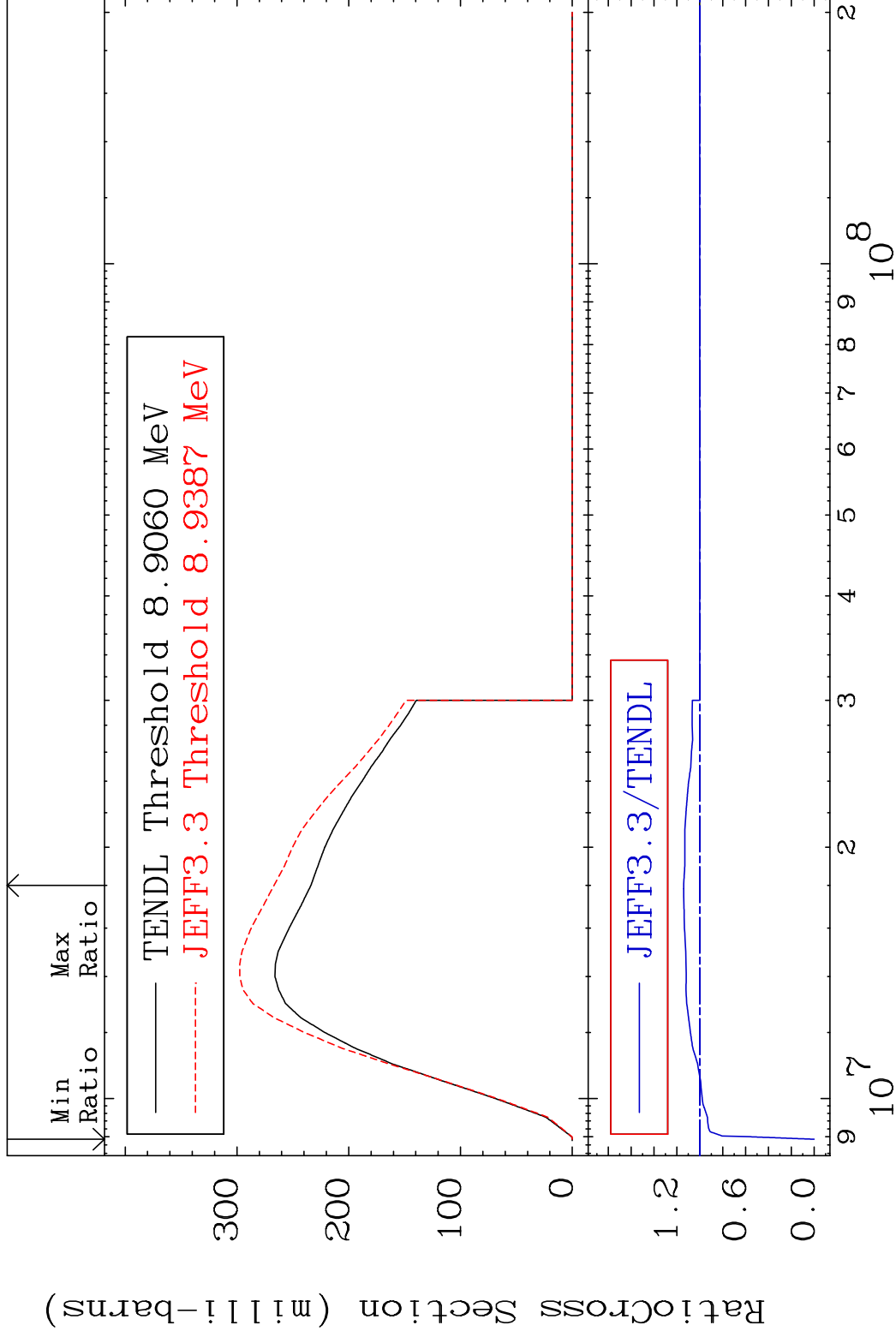


MAT 1628

(n,2n)

16-S -33

Cross Section -100.0 To 14.12 %

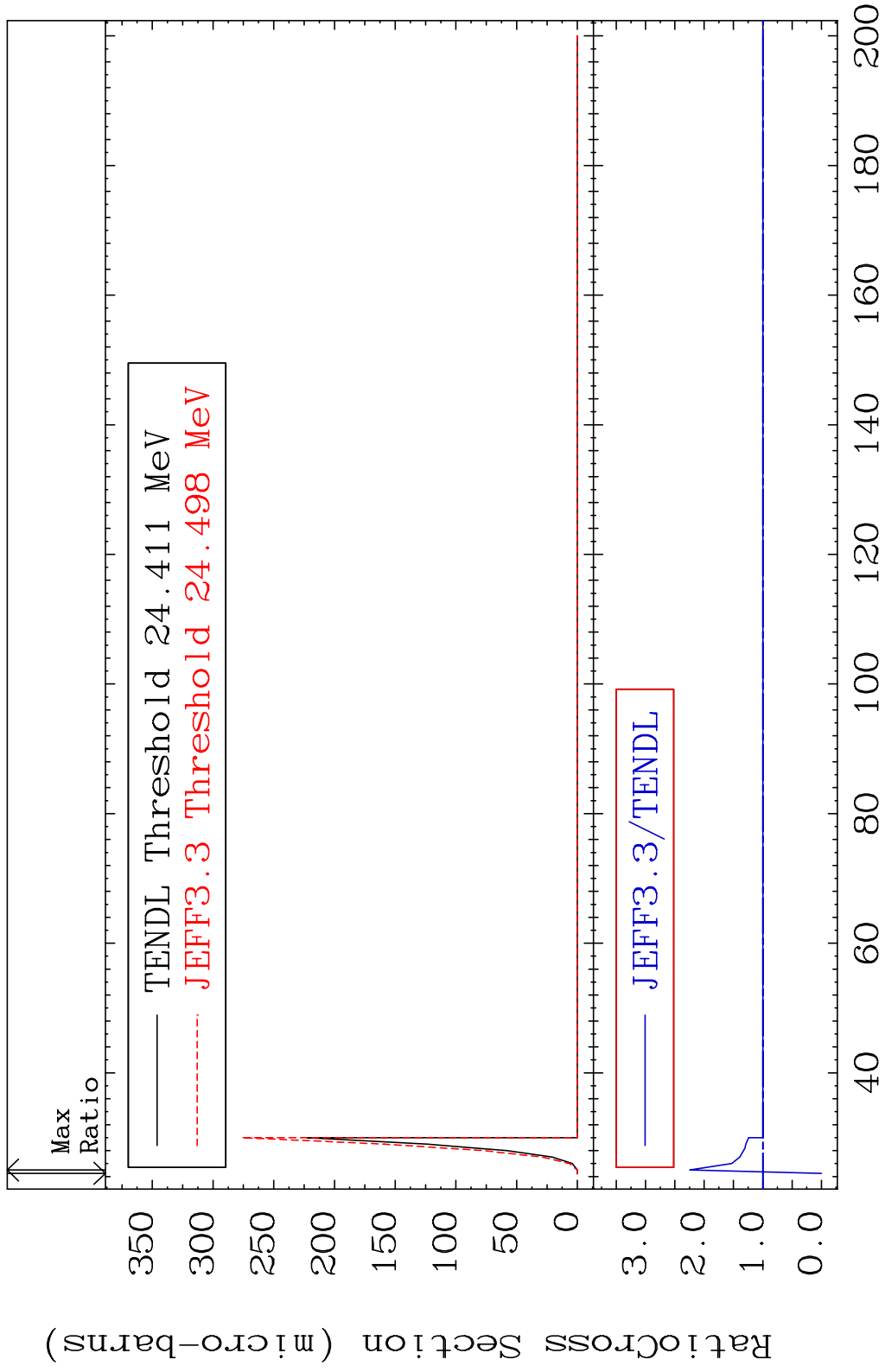


5

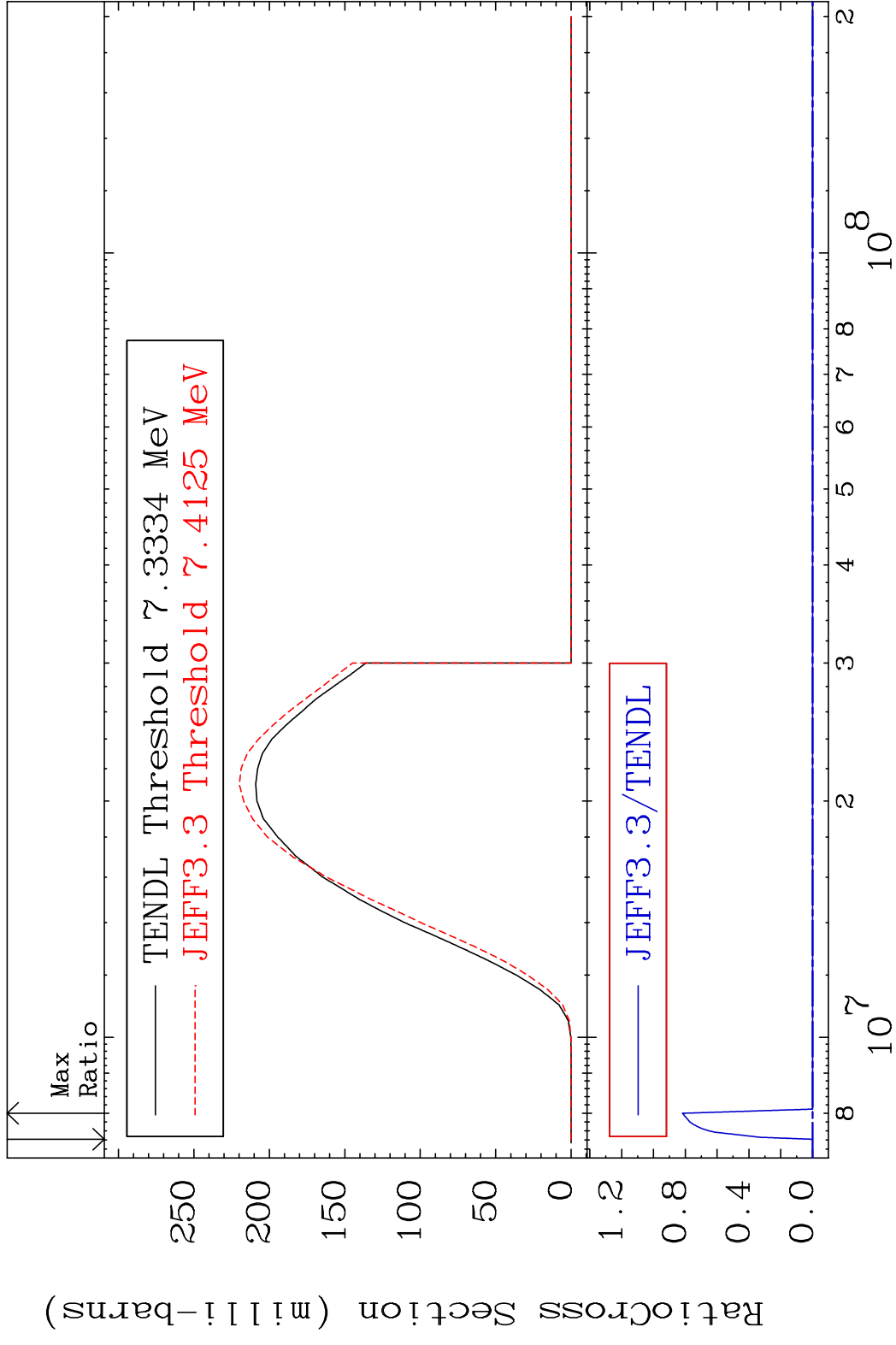
Incident Energy (eV)

16-S -33

MAT 1628 (n,3n) 16-S -33
 Cross Section -100.0 To 124.6 %

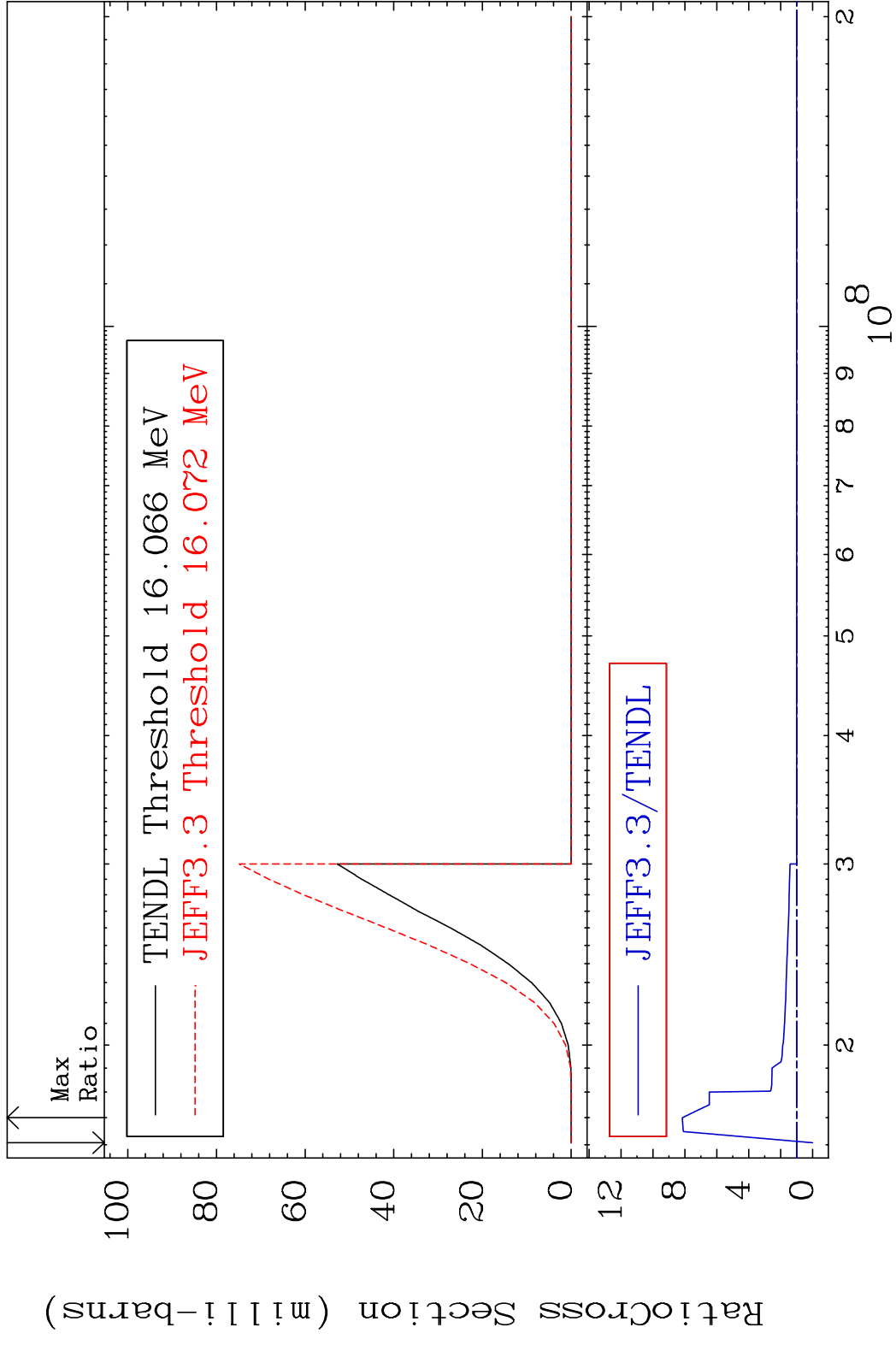


MAT 1628 (n, n') α 16-S -33
 Cross Section -100.0 To 9999. %

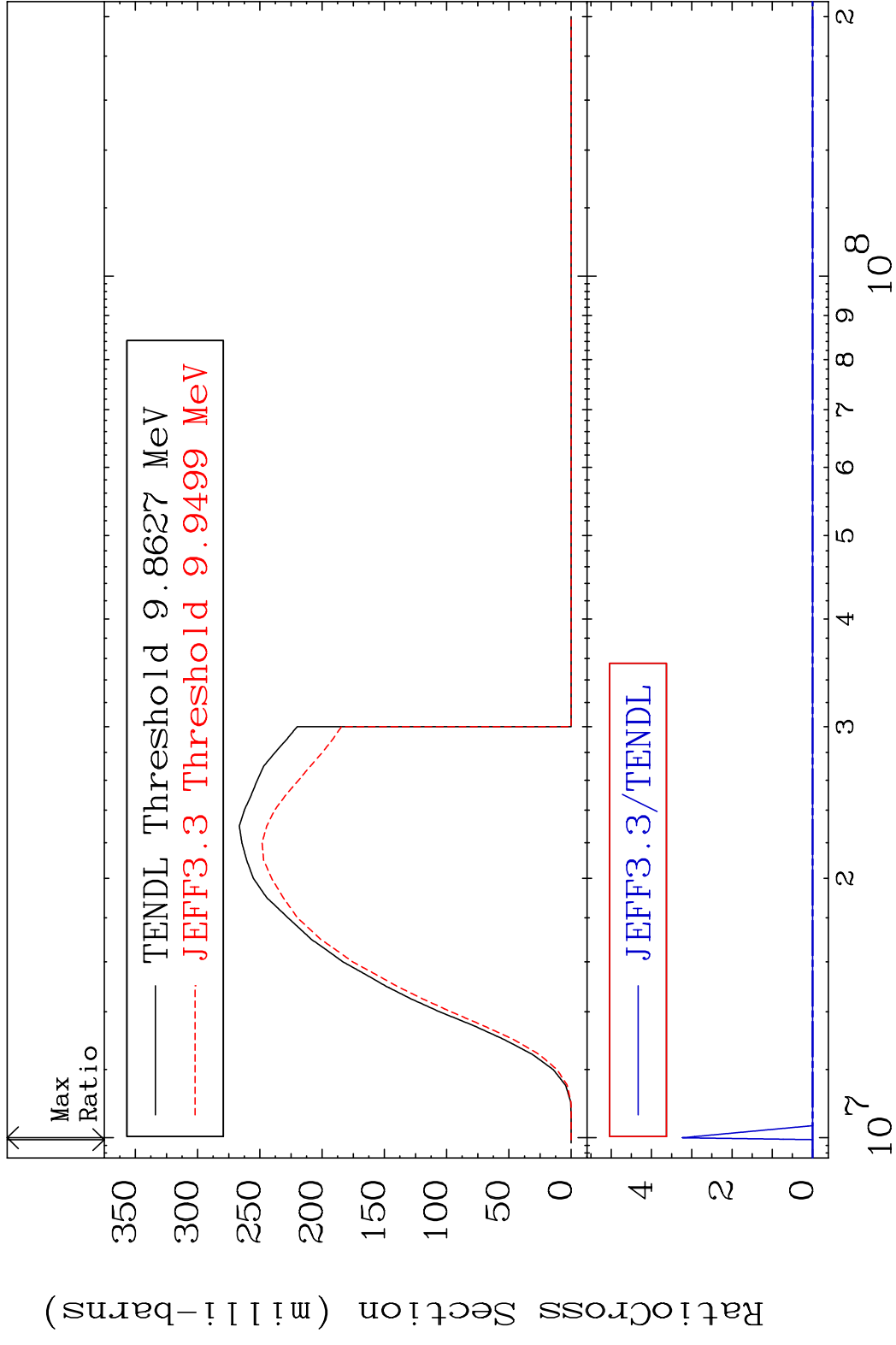


7 Incident Energy (eV) 16-S -33

MAT 1628 (n,2n) α 16-S -33
 Cross Section -100.0 To 716.1 %

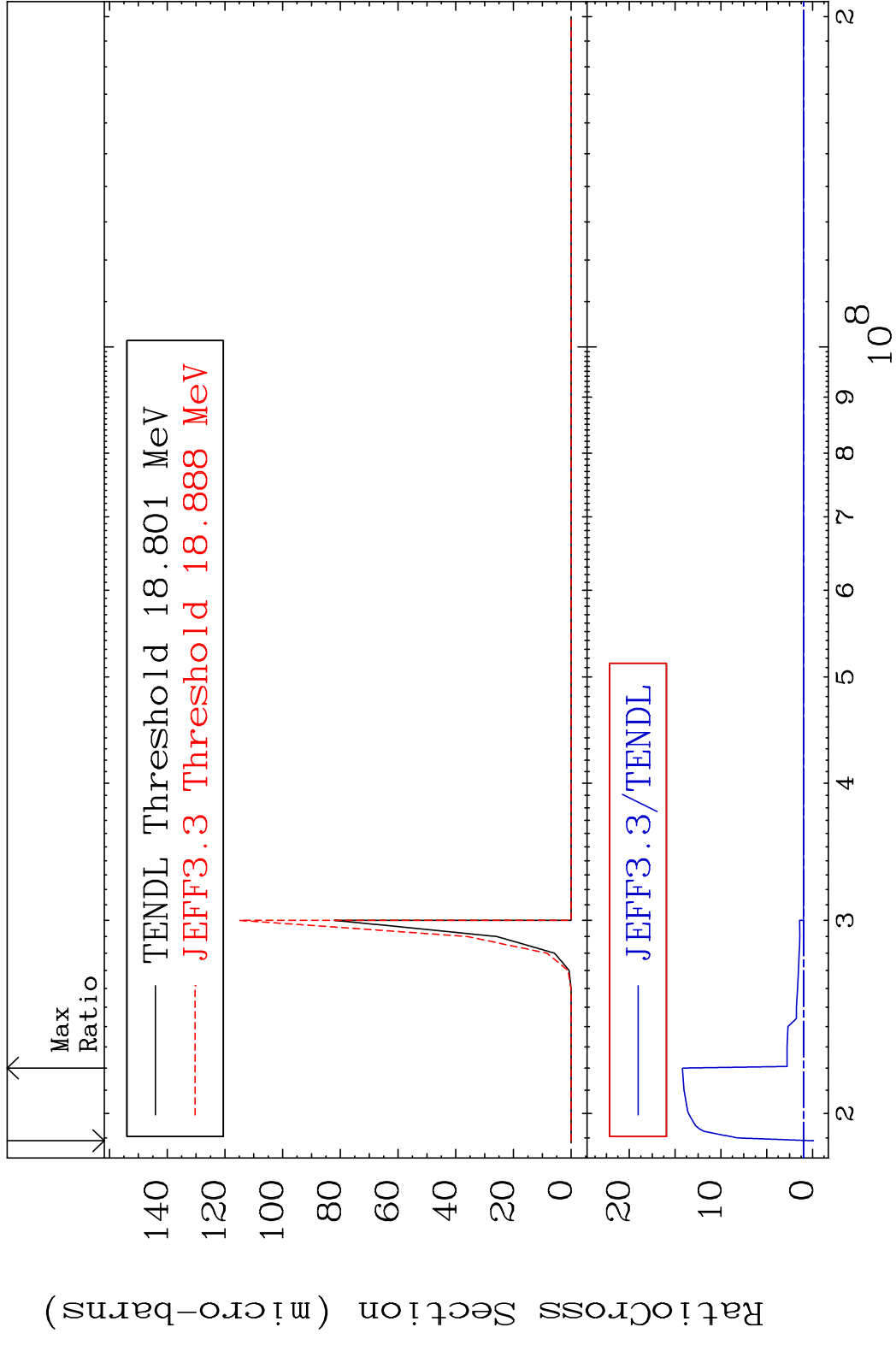


MAT 1628 (n, n') p 16-S -33
 Cross Section -100.0 To 9999. %



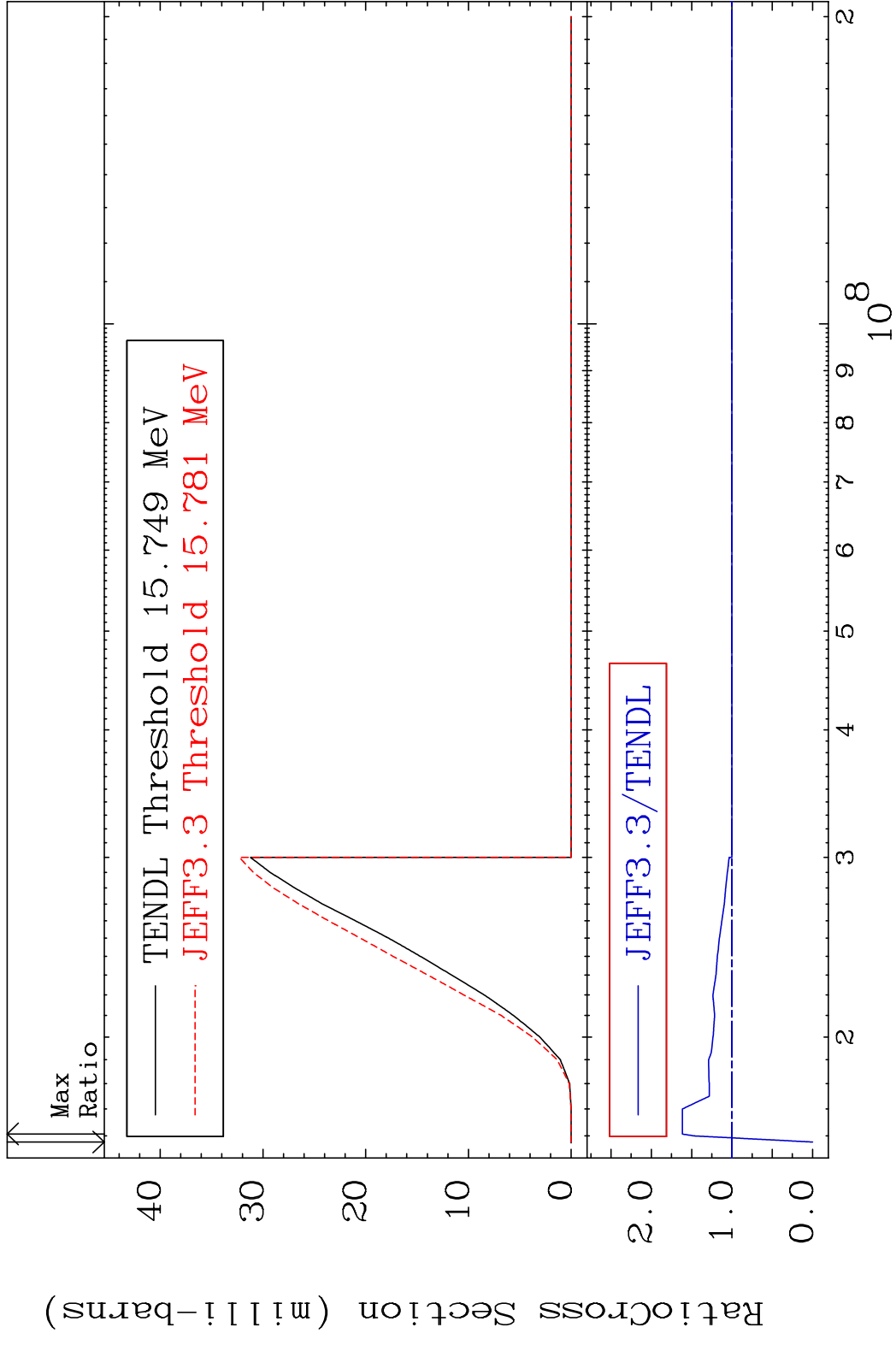
9 16-S -33

MAT 1628 (n, n') 2α 16-S -33
 Cross Section -100.0 To 1321. %

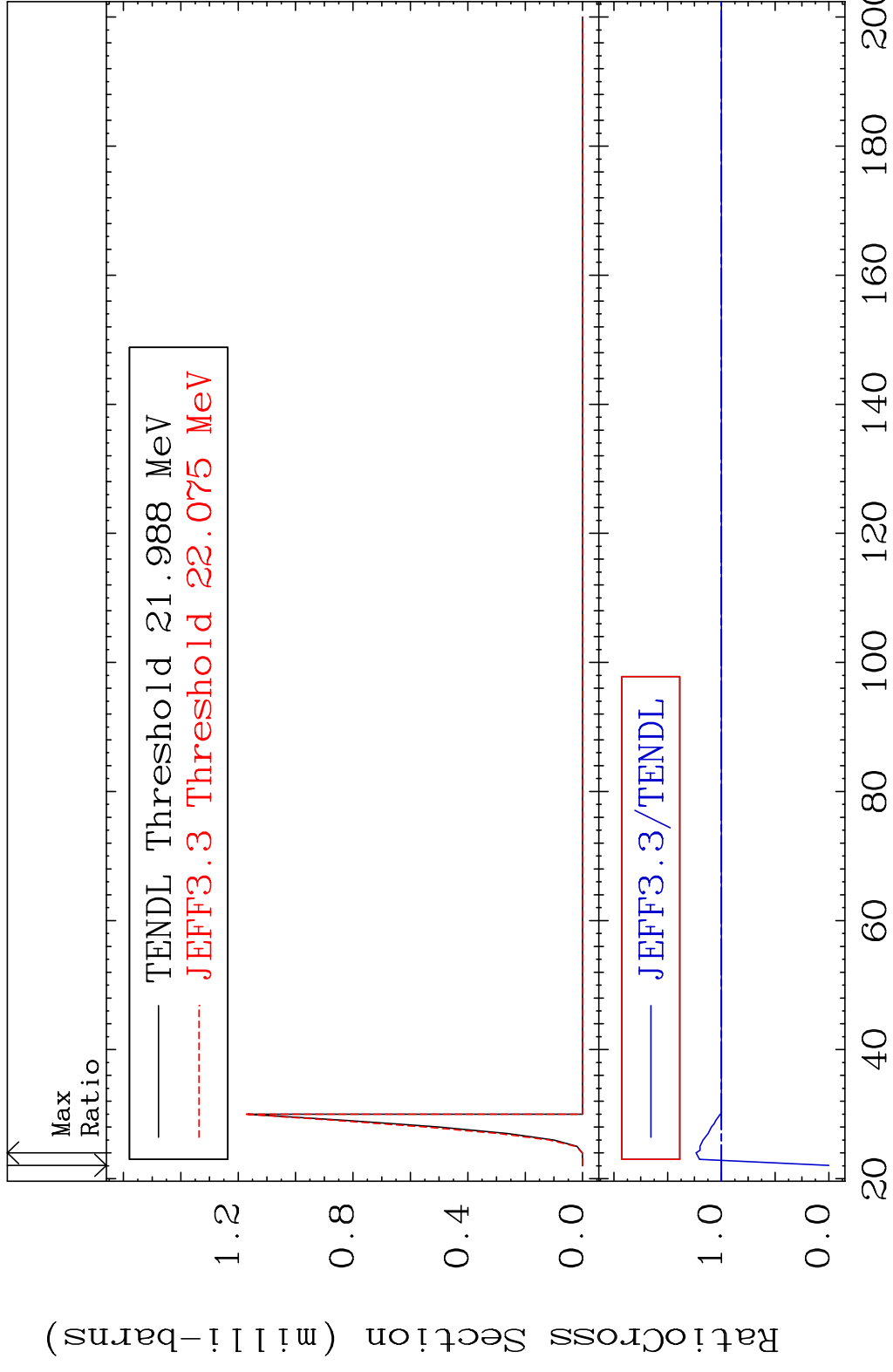


10 16-S -33

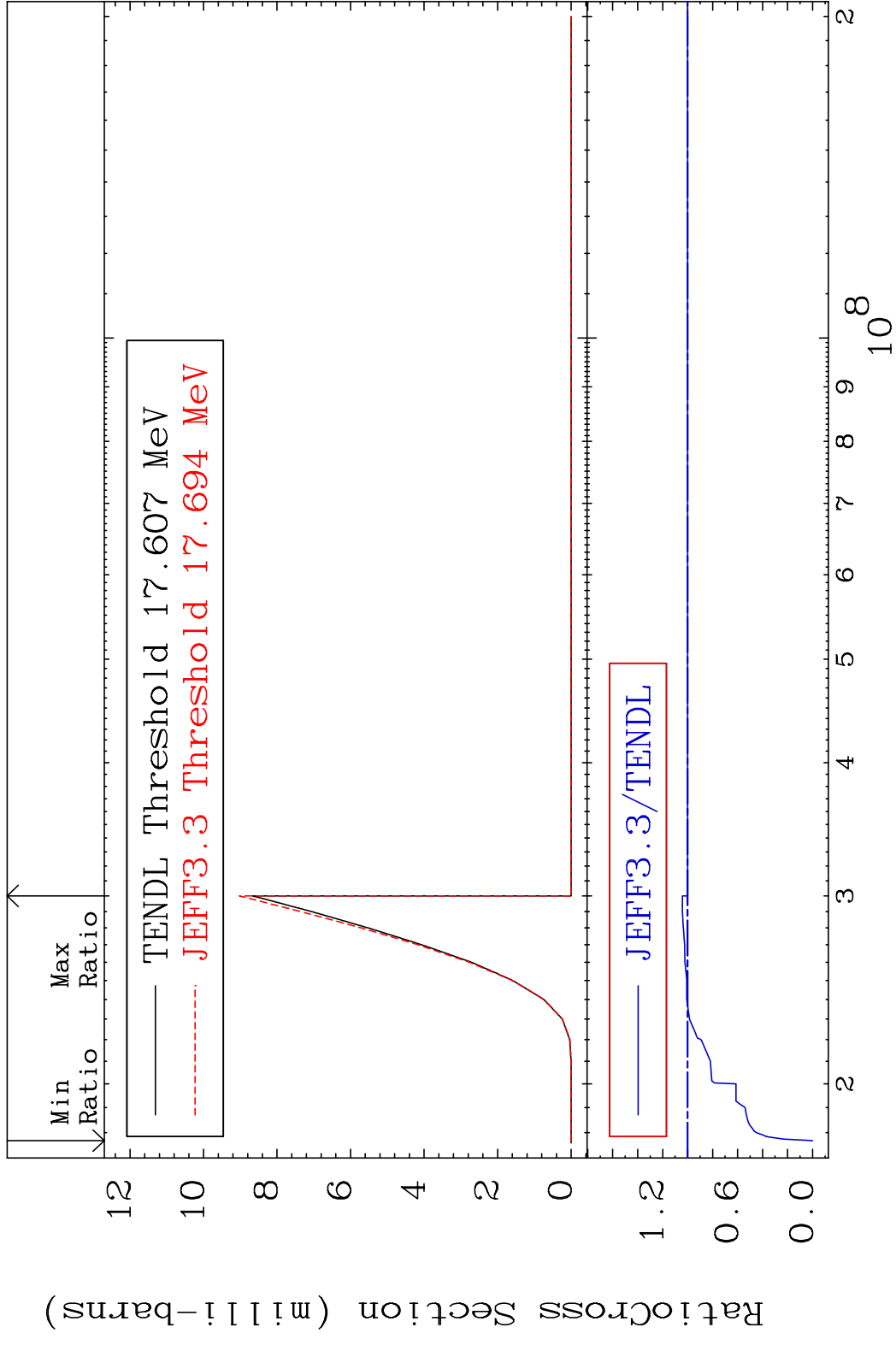
MAT 1628 (n, n') d 16-S -33
 Cross Section -100.0 To 61.51 %



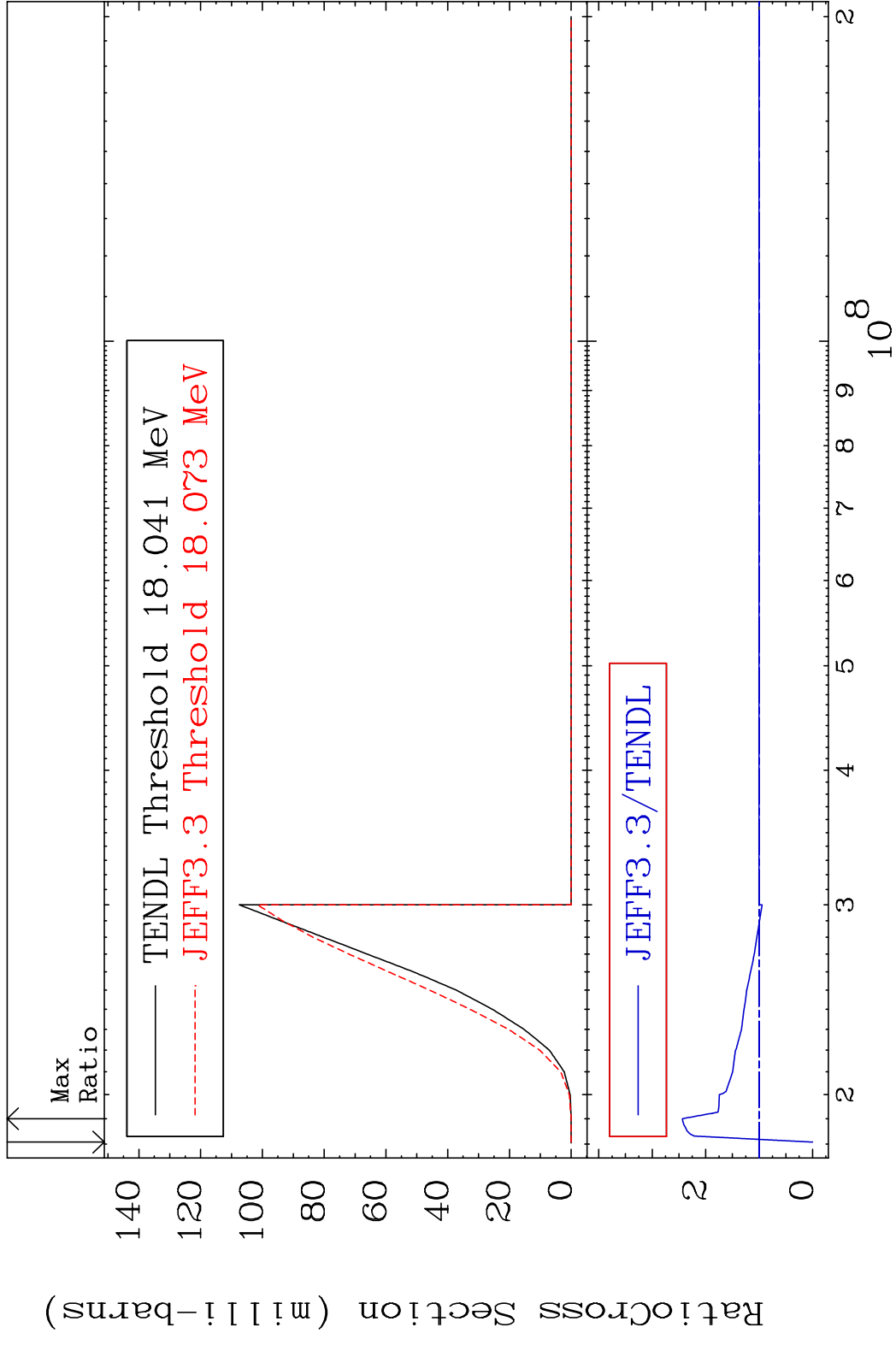
MAT 1628 (n, n') t 16-S -33
 Cross Section -100.0 To 23.58 %



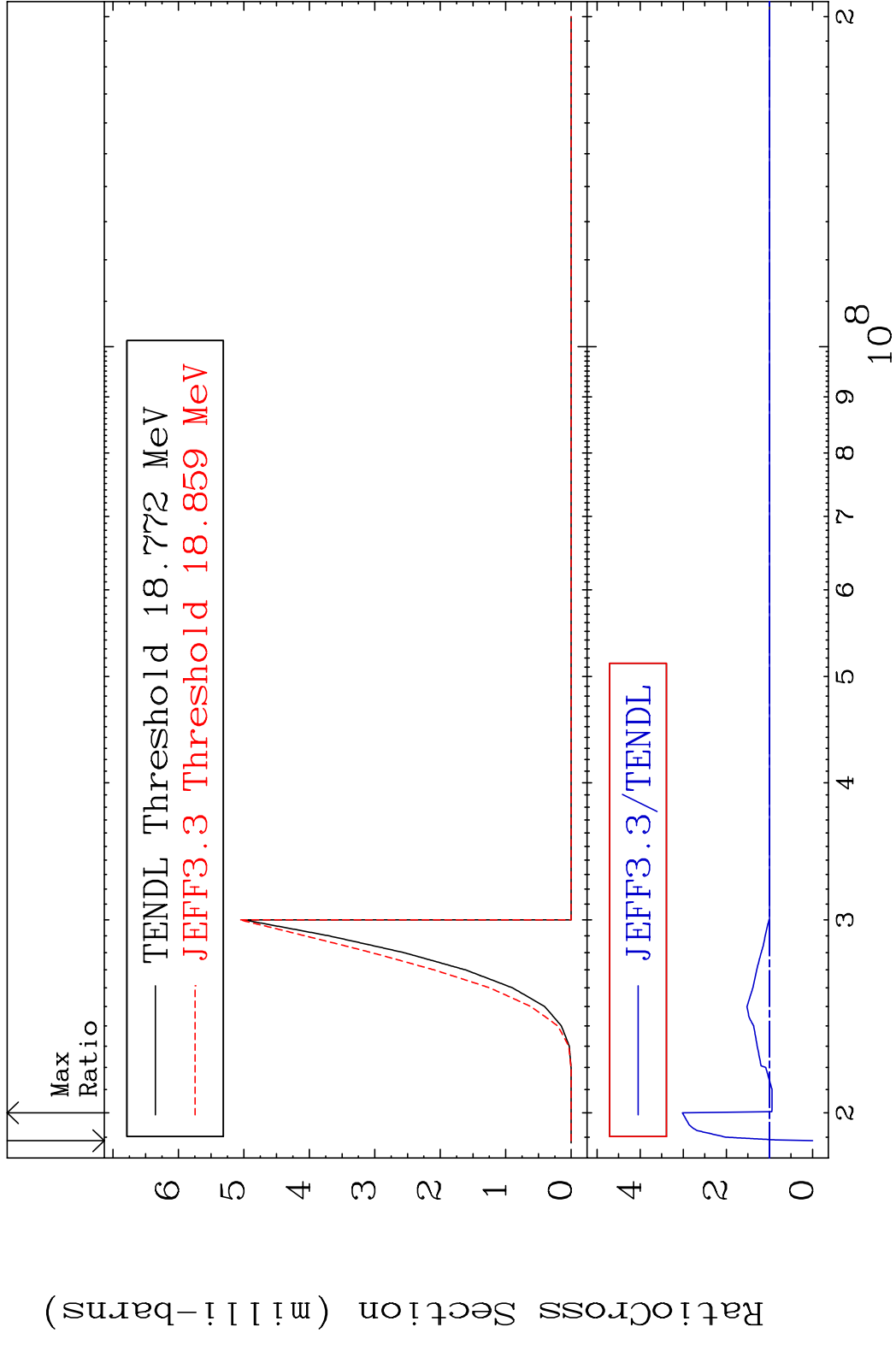
MAT 1628 (n,n') He-3 16-S -33
 Cross Section -100.0 To 4.238 %



MAT 1628 (n,2n) p 16-S -33
 Cross Section -100.0 To 143.6 %



MAT 1628 (n,2n) p 16-S -33
 Cross Section -100.0 To 202.1 %



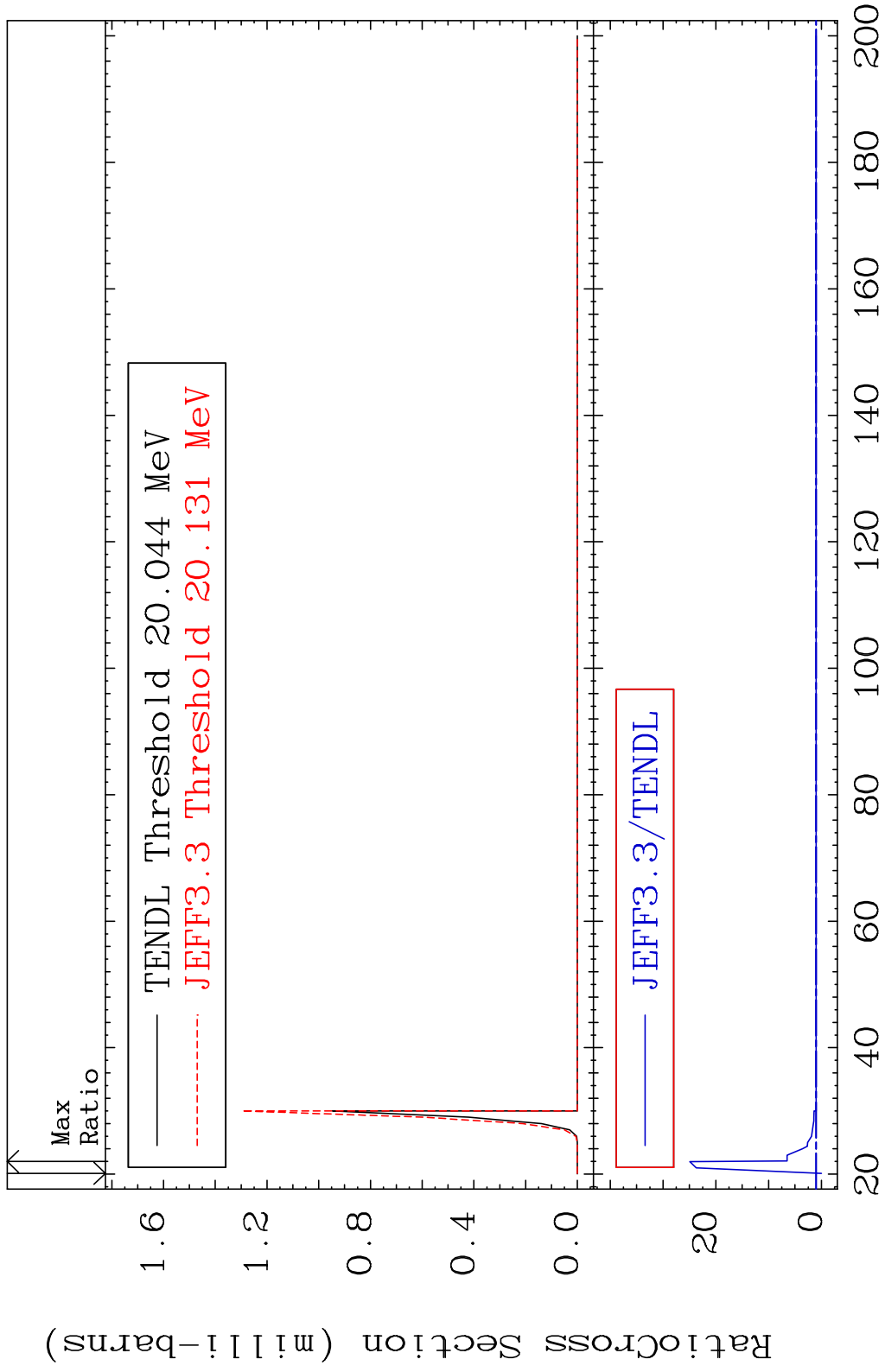
15 Incident Energy (eV) 16-S -33

MAT 1628

(n,n') p α

16-S -33

Cross Section -100.0 To 2394. %

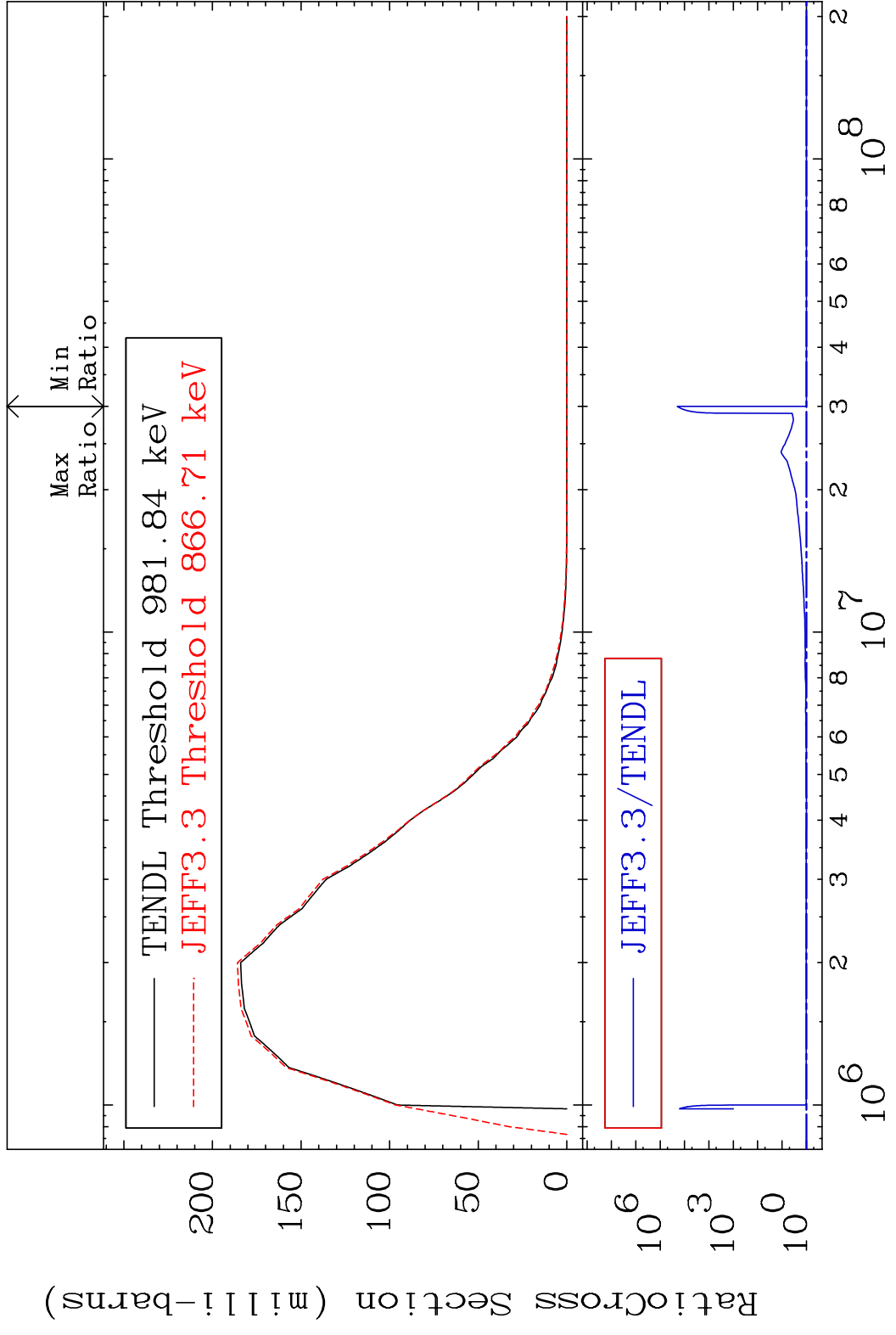


16

Incident Energy (MeV)

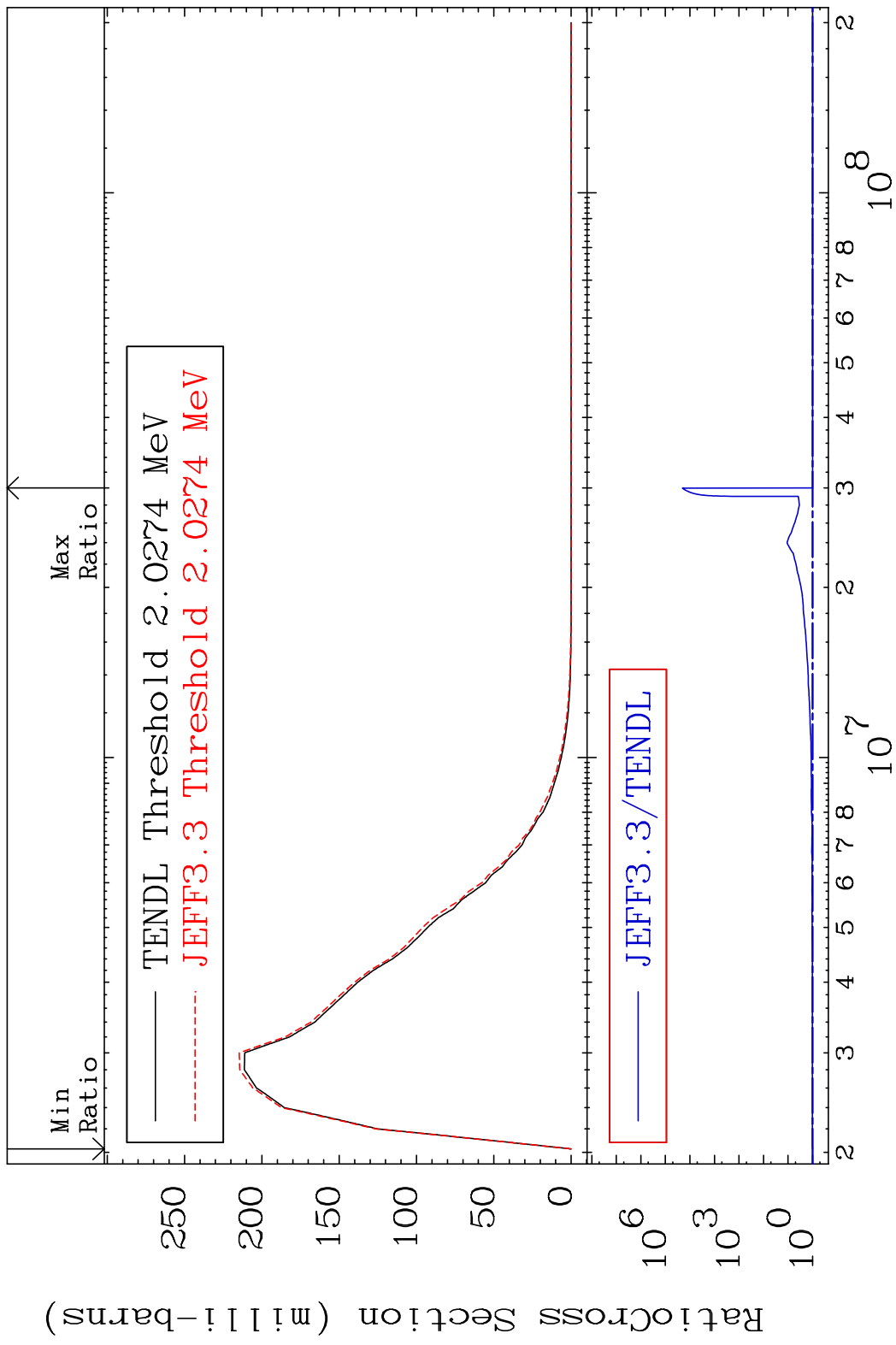
16-S -33

MAT 1628 MT= 51 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %

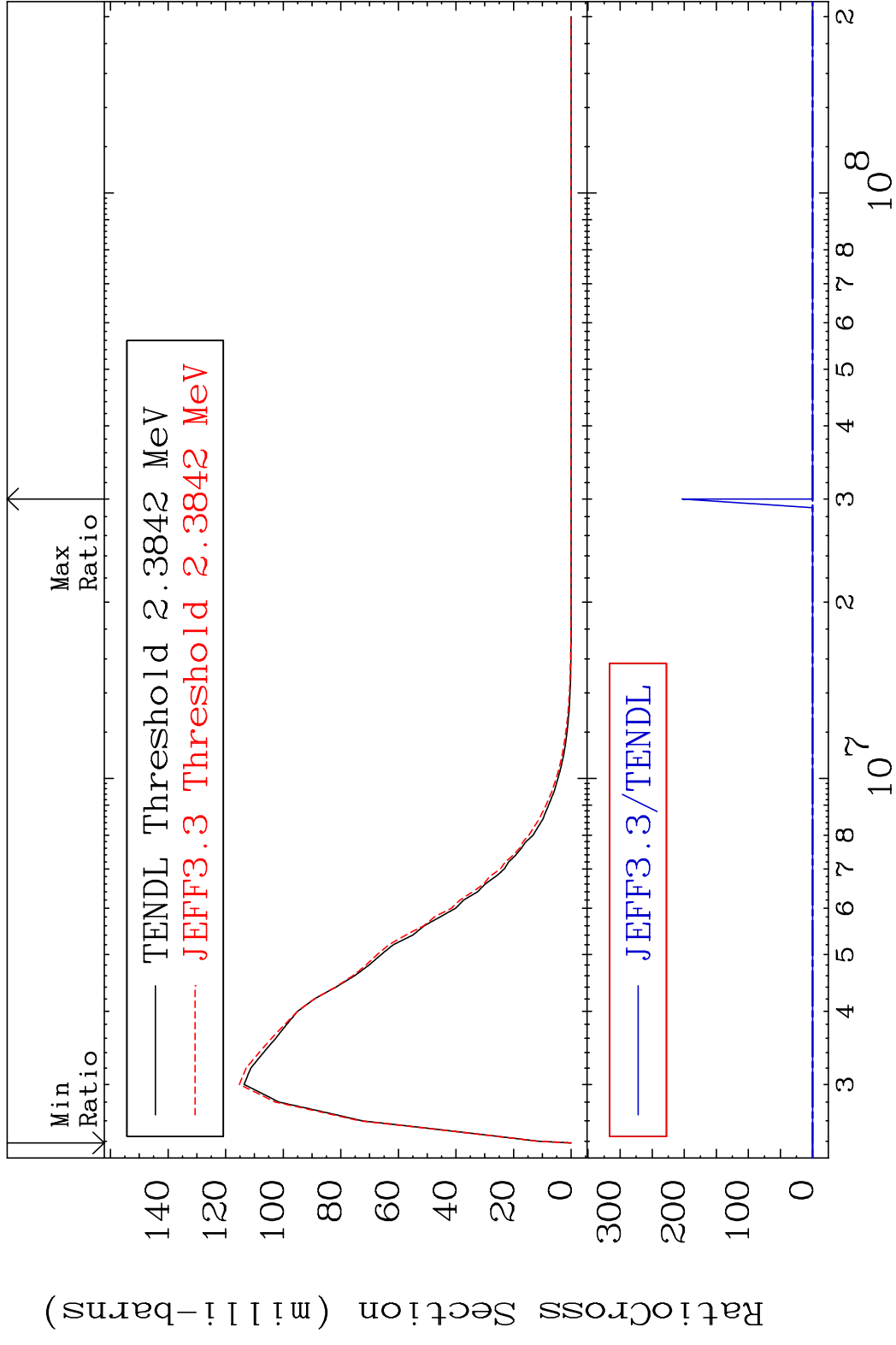


17 Incident Energy (eV) 16-S -33

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

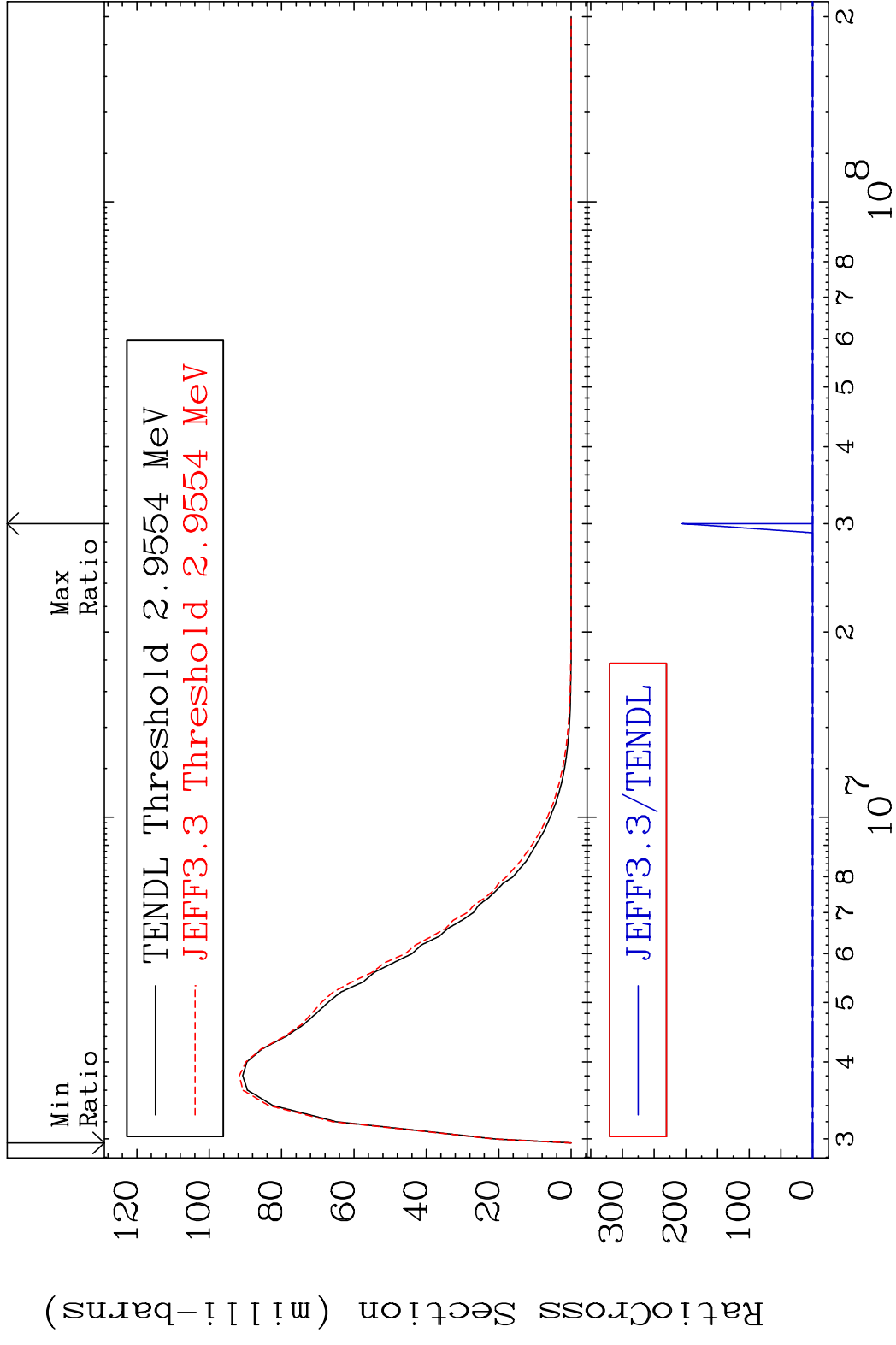


MAT 1628 MT= 53 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



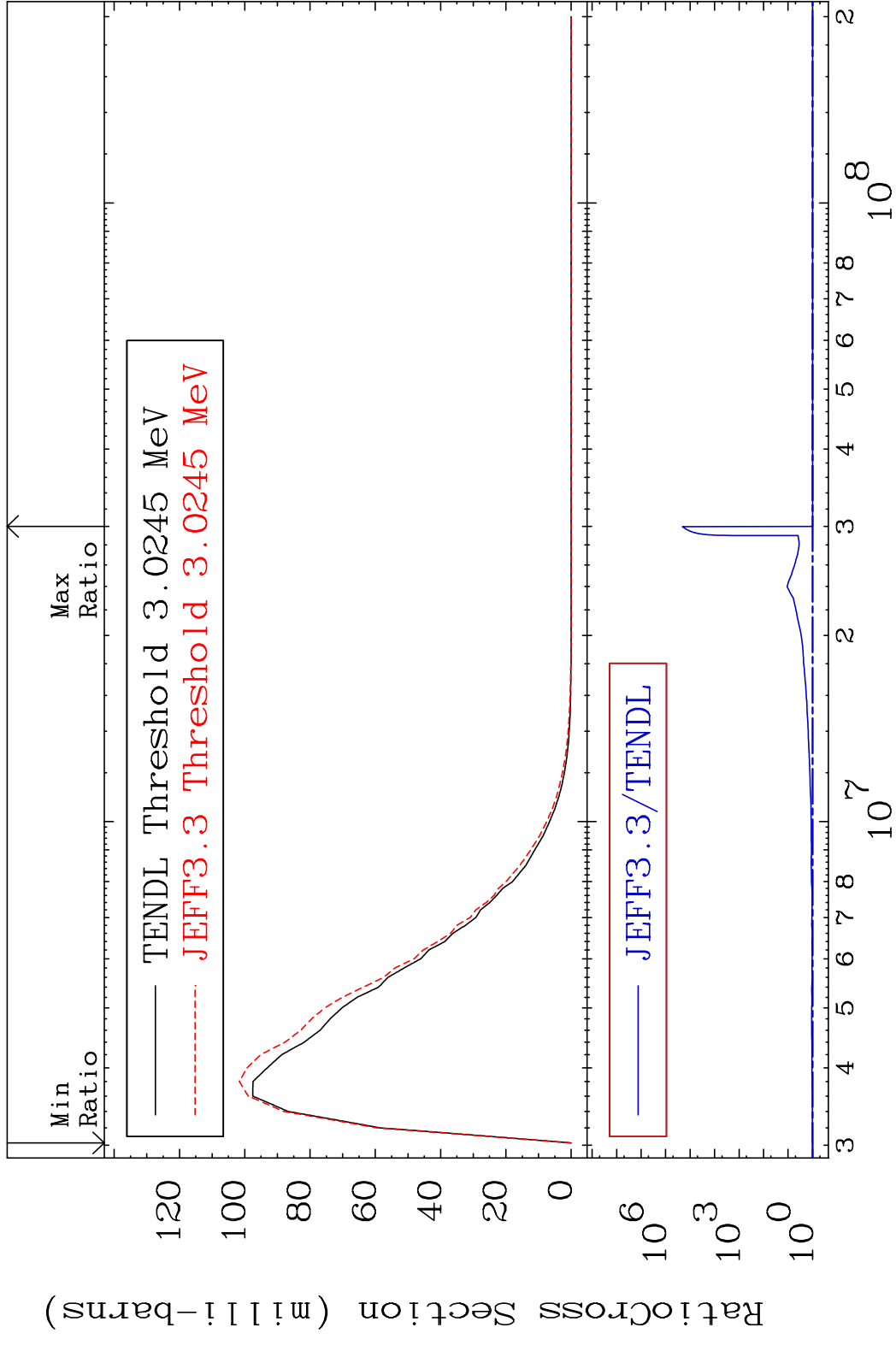
19 Incident Energy (eV) 16-S -33

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

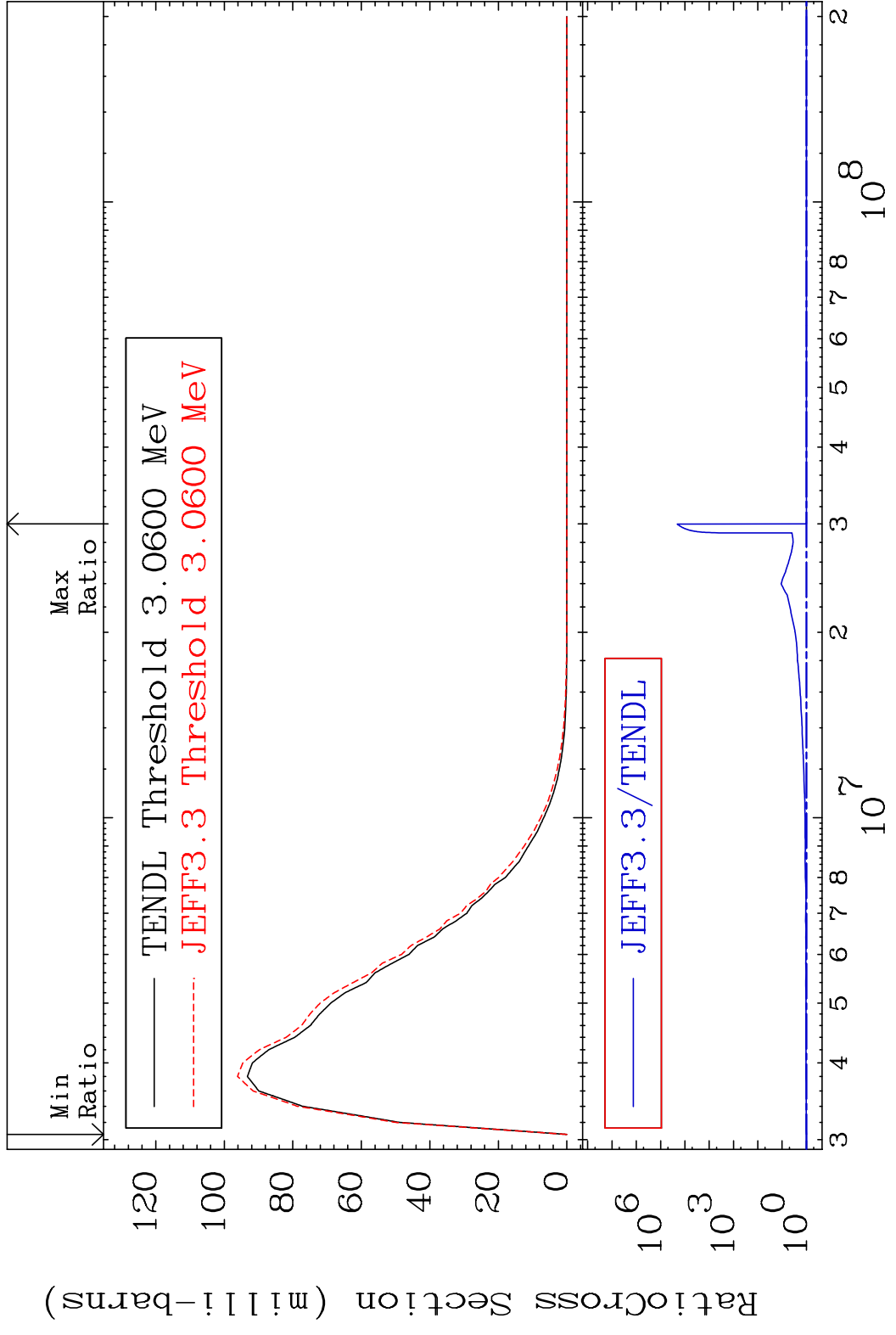


20 Incident Energy (eV) 16-S -33

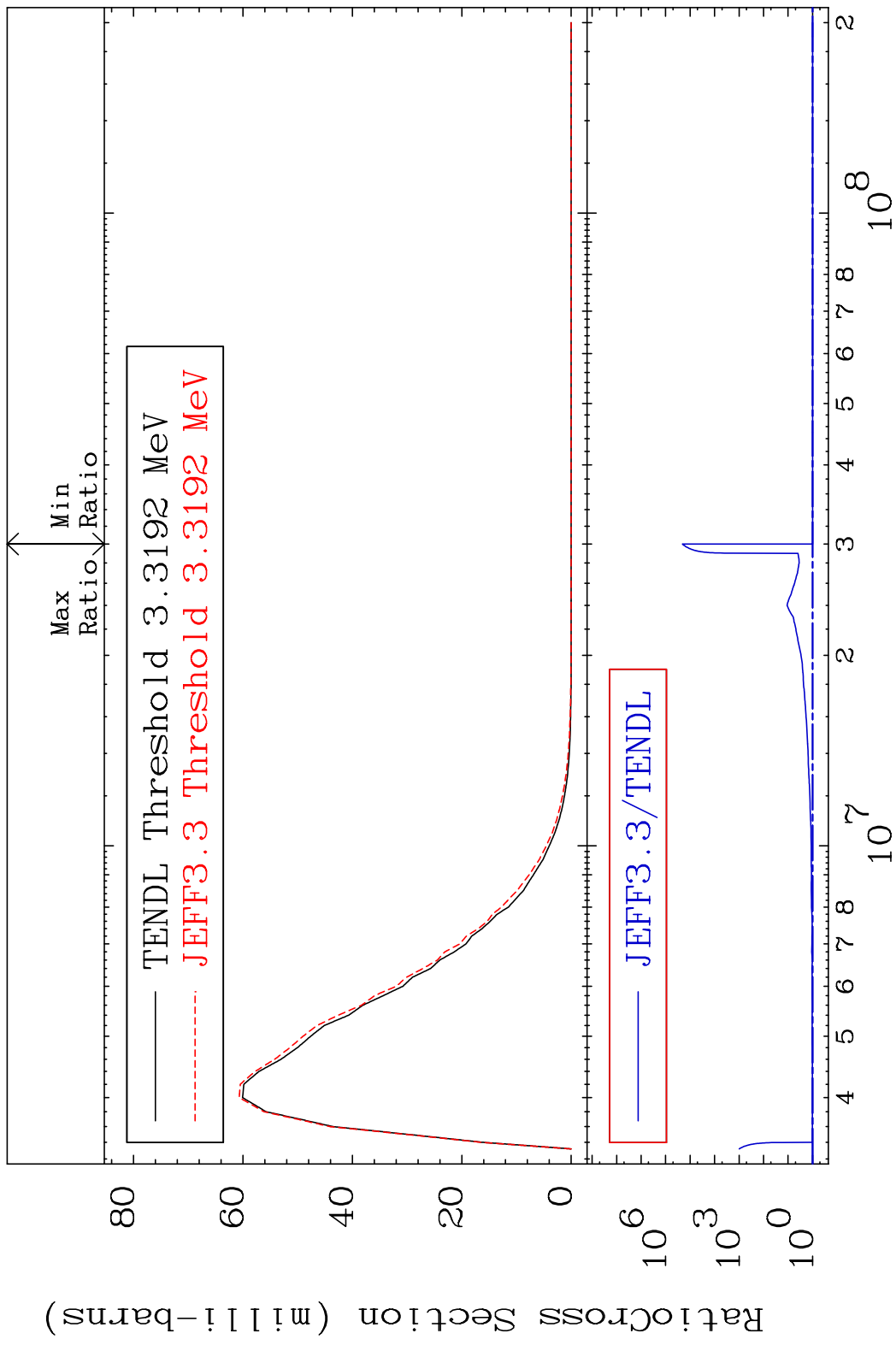
MAT 1628 MT= 55 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



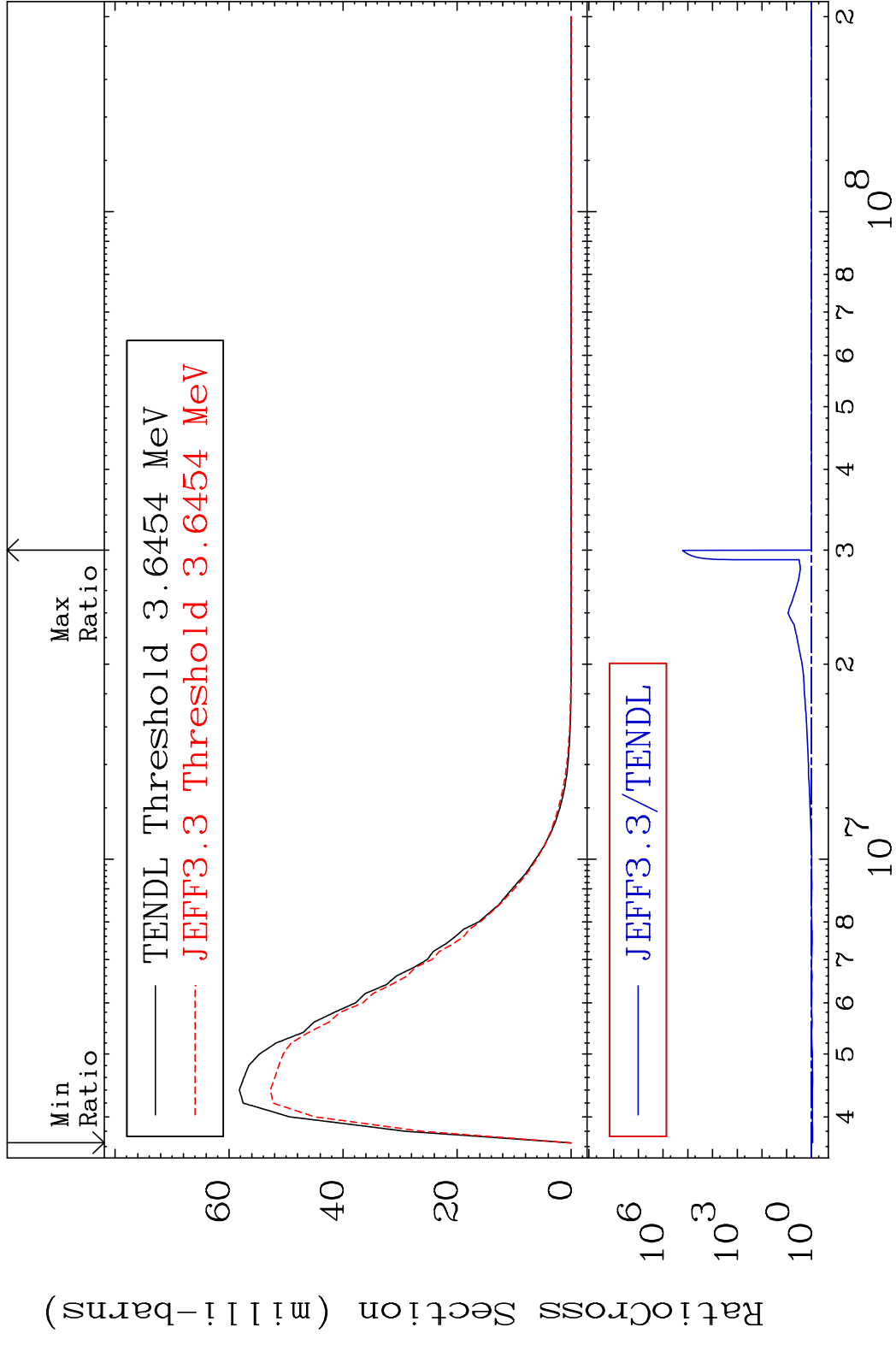
MAT 1628 MT= 56 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



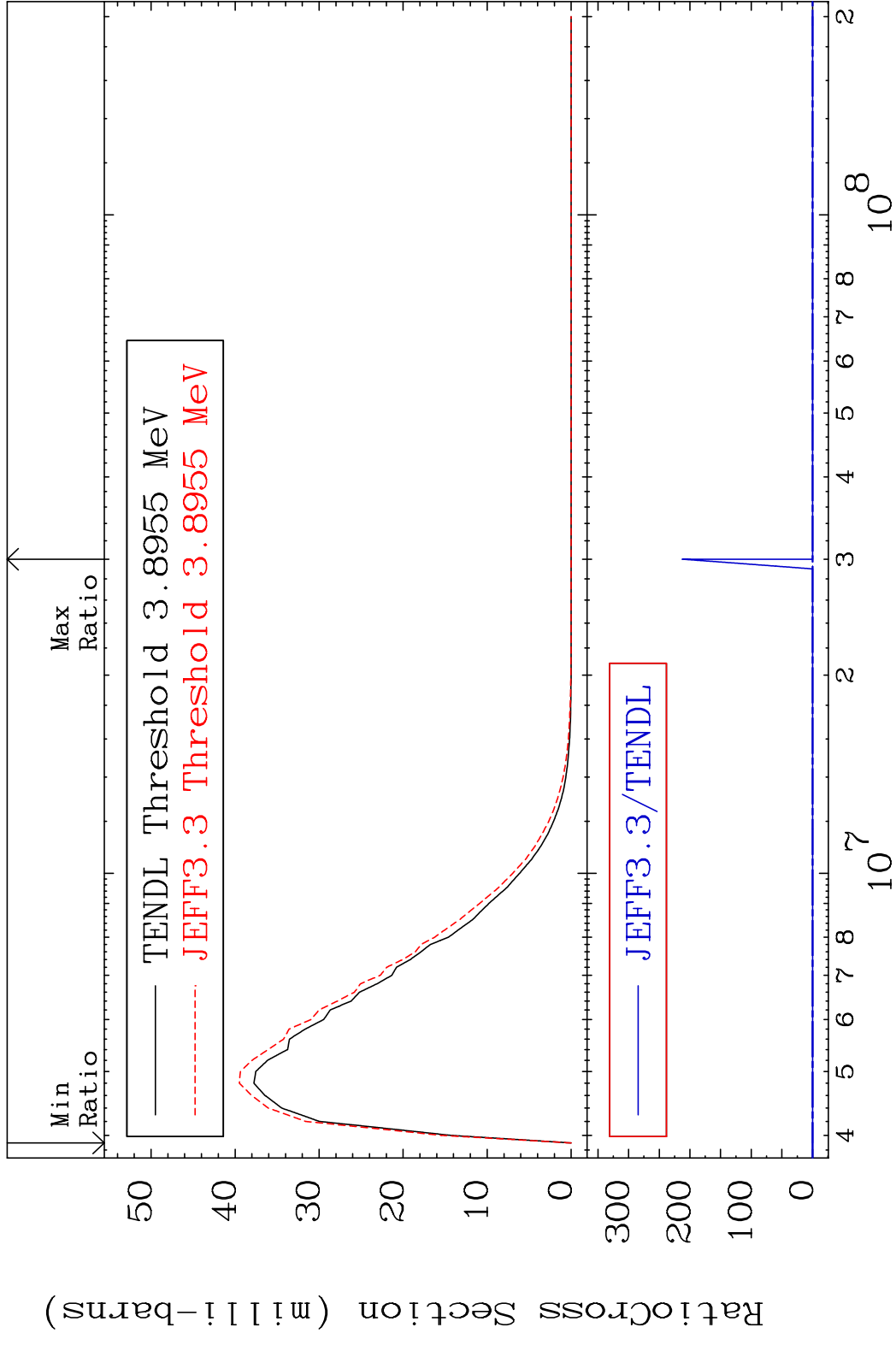
MAT 1628 MT= 57 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



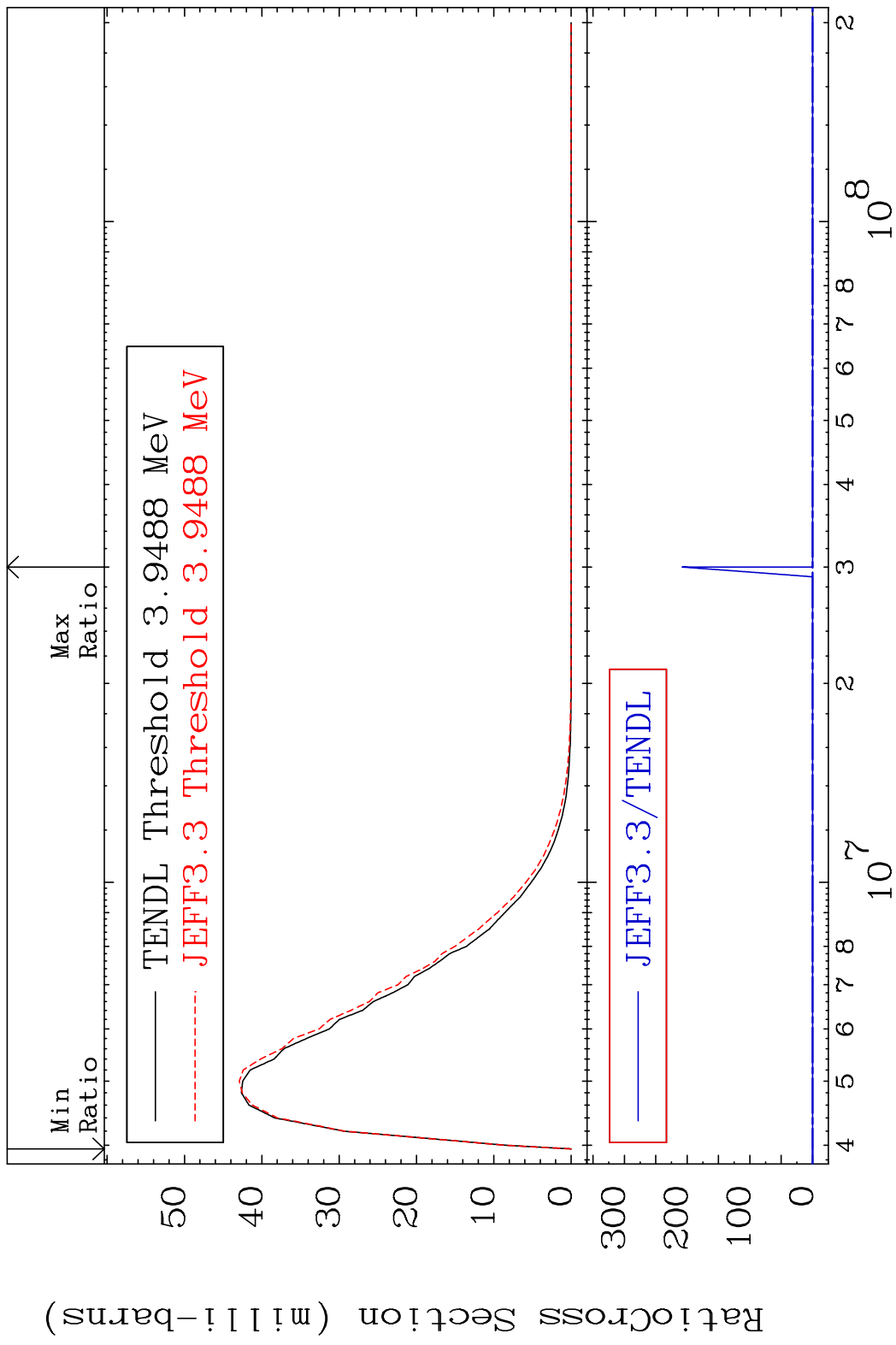
MAT 1628 MT= 58 (n, n') Level 16-S -33
 Cross Section -9.920 To 9999. %



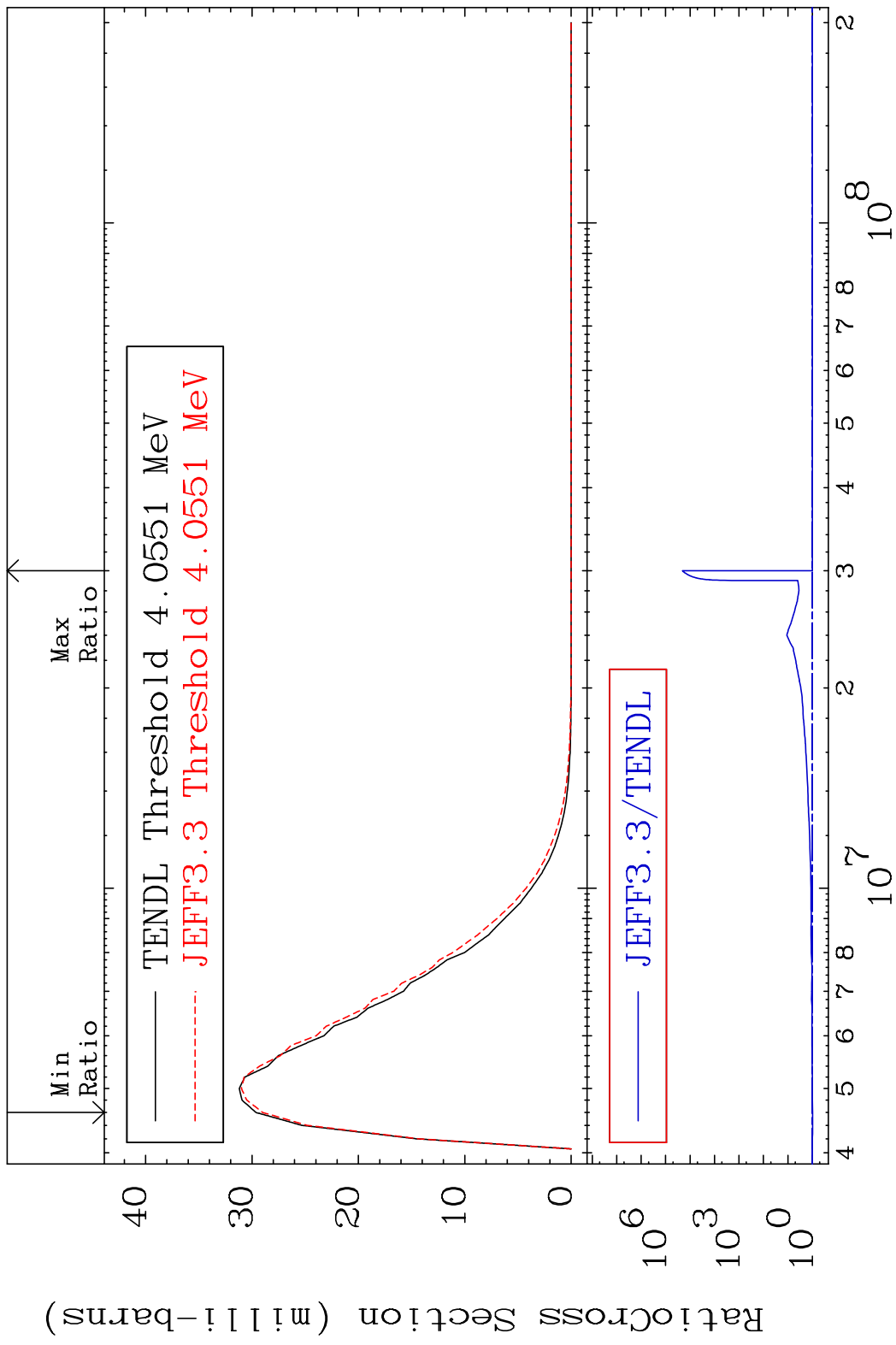
MAT 1628 MT= 59 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



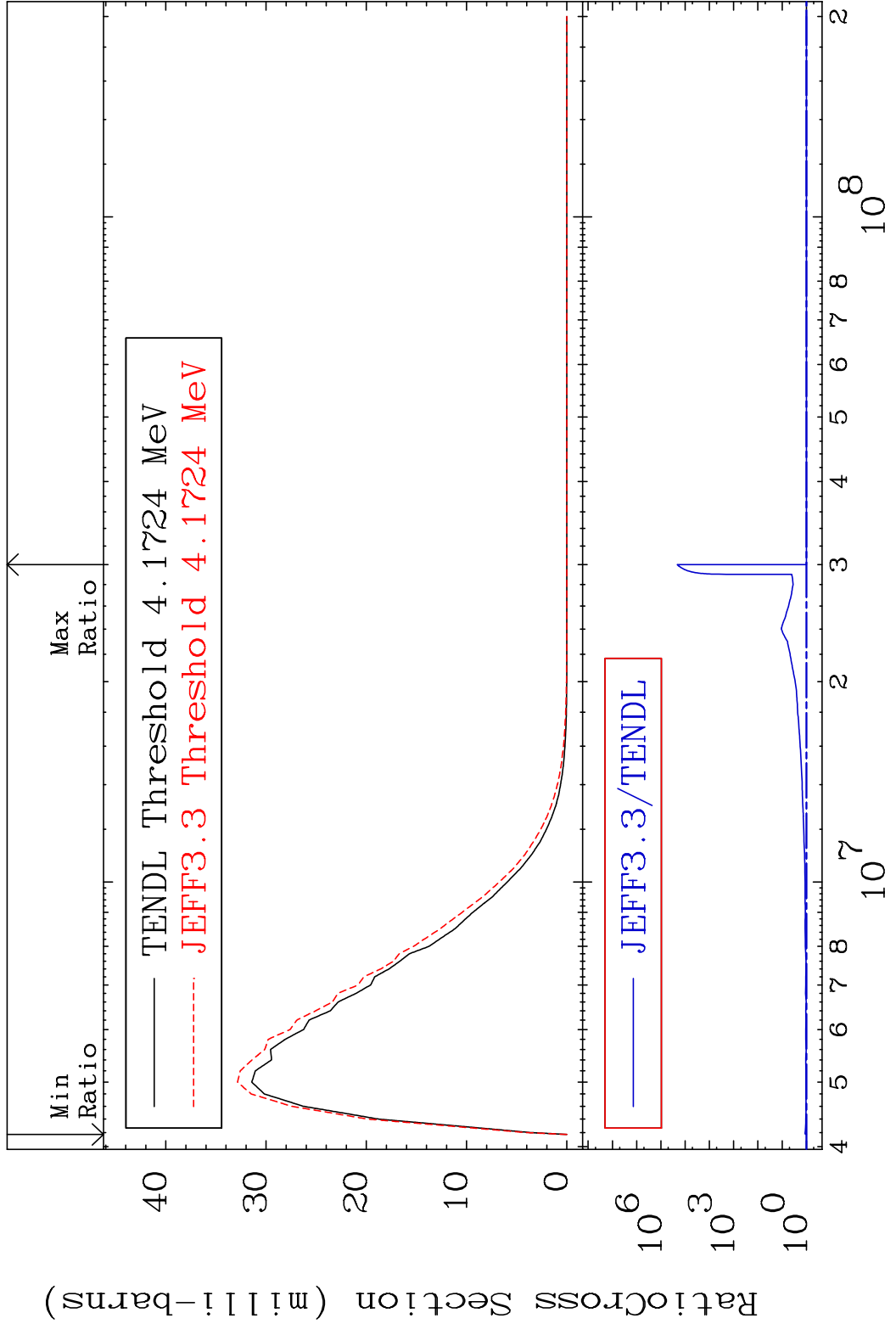
MAT 1628 MT= 60 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



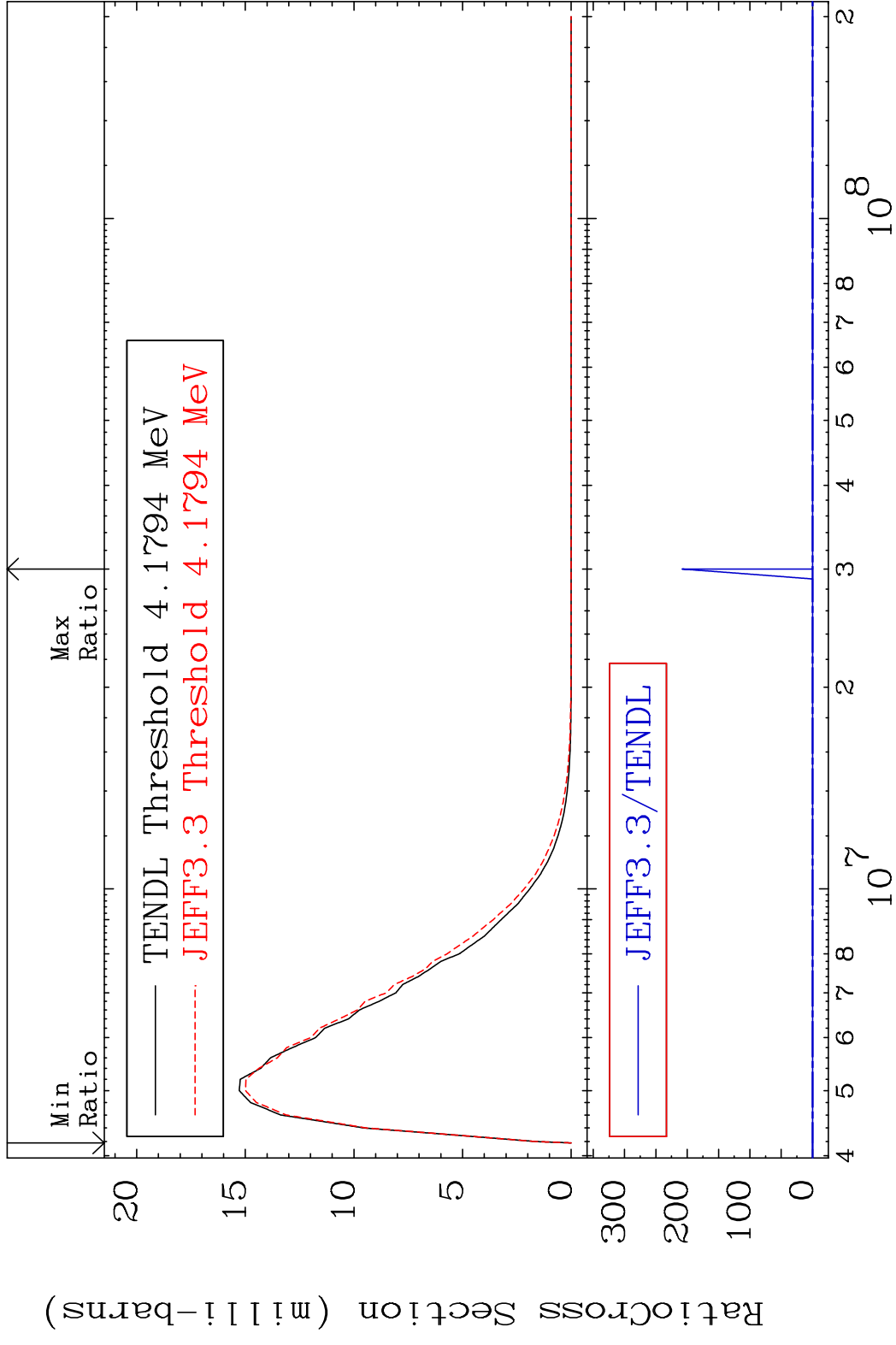
MAT 1628 MT= 61 (n, n') Level 16-S -33
 Cross Section -2.126 To 9999. %



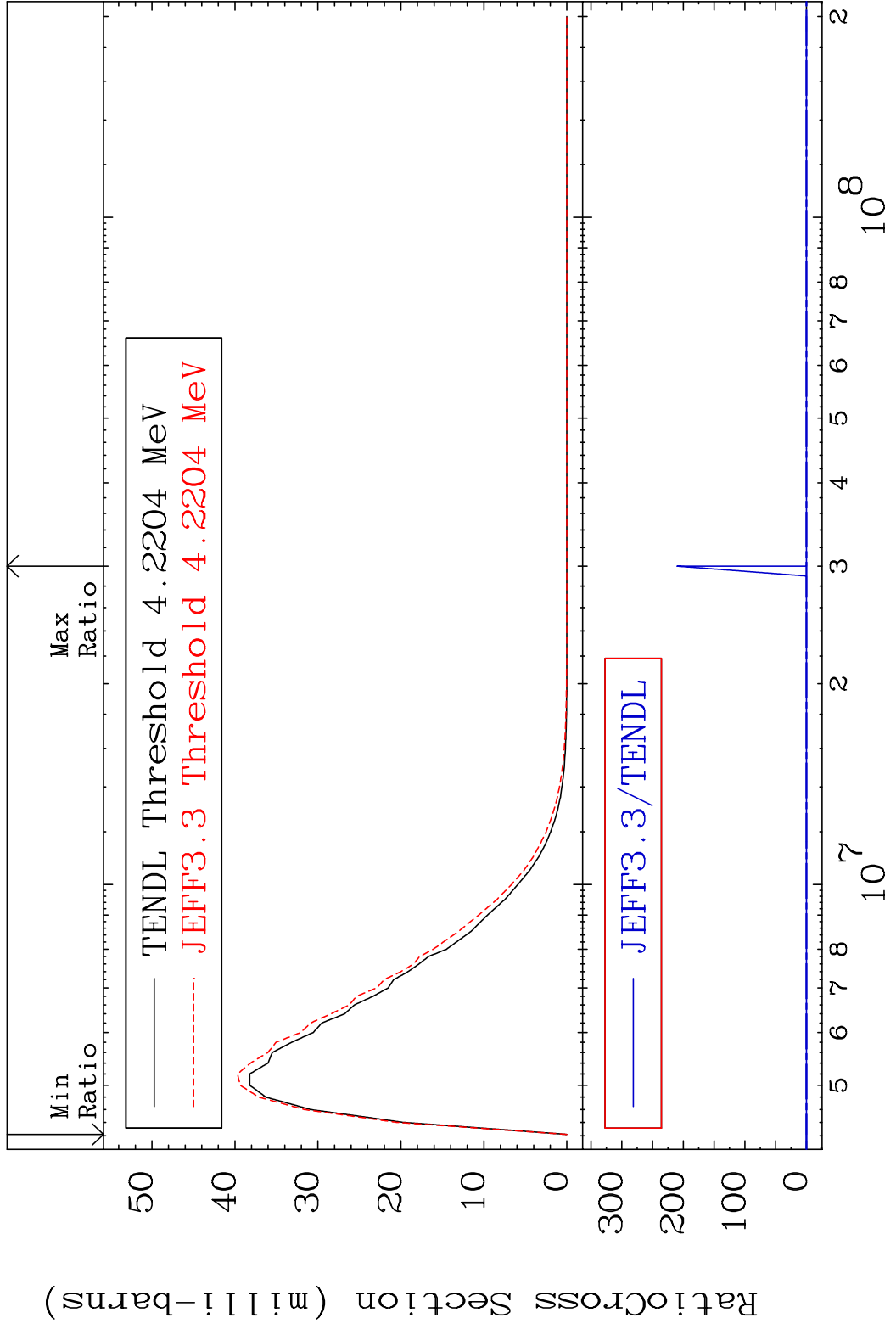
MAT 1628 MT= 62 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



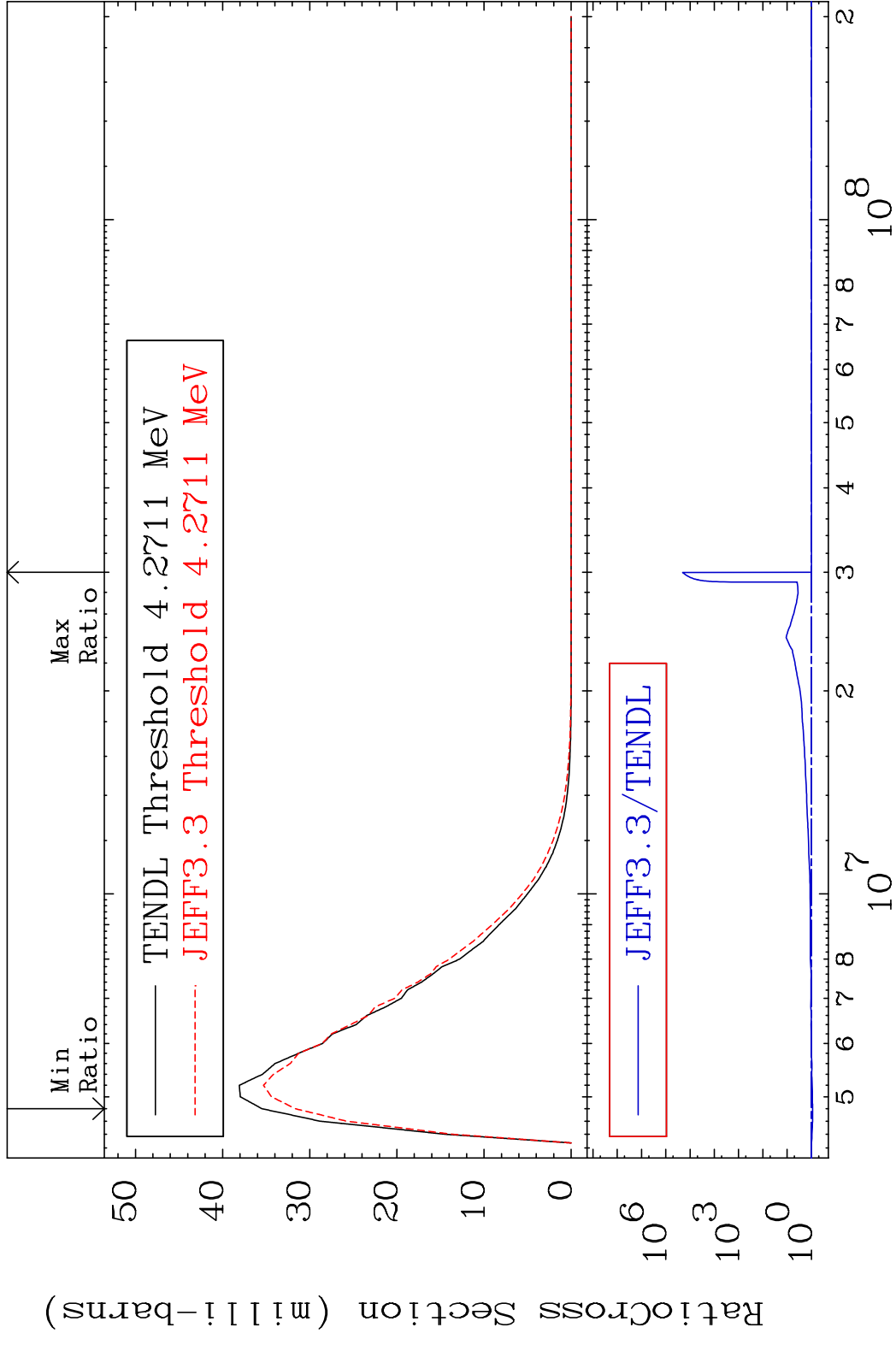
MAT 1628 MT= 63 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



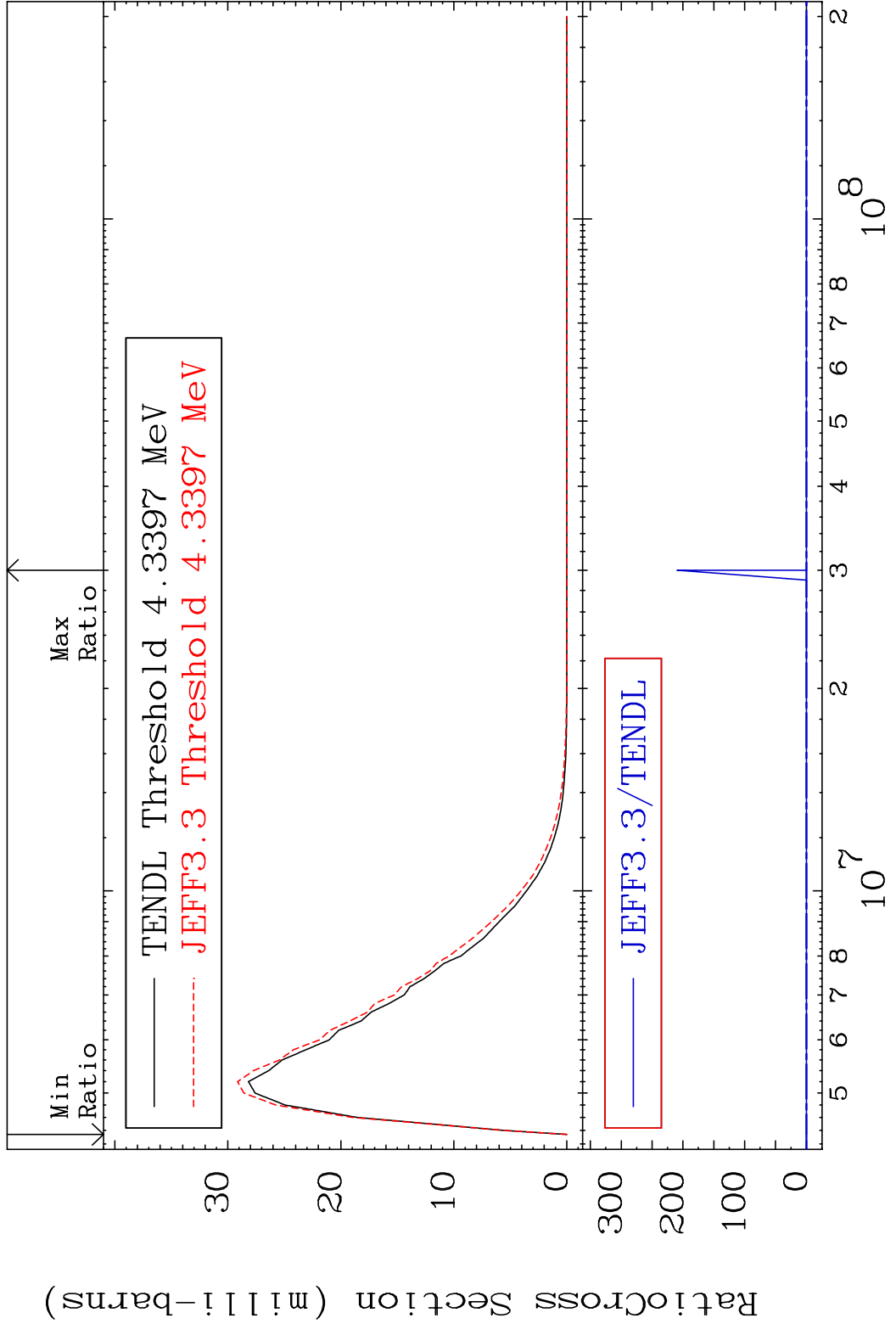
MAT 1628 MT= 64 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



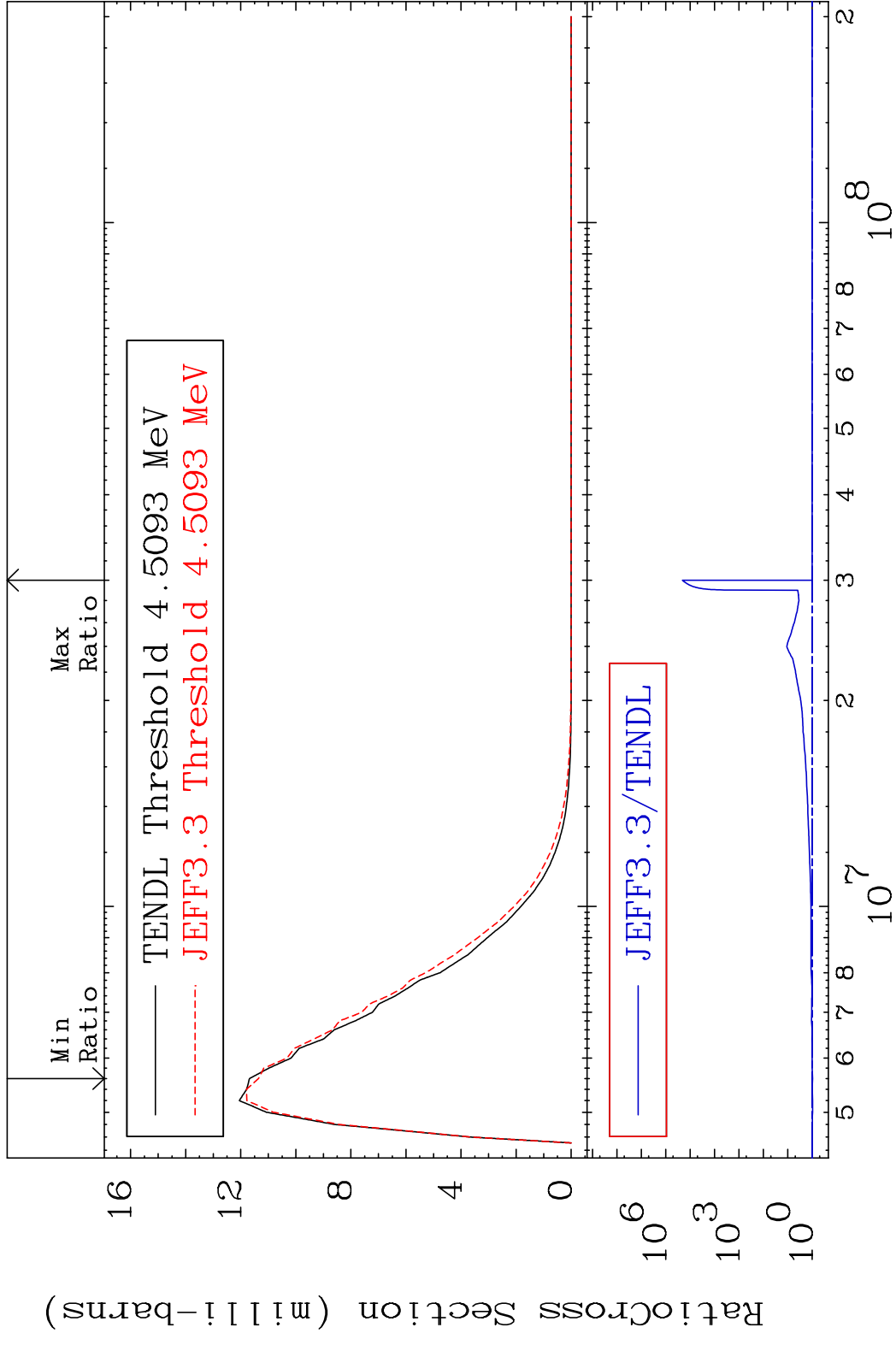
MAT 1628 MT= 65 (n, n') Level 16-S -33
 Cross Section -10.80 To 9999. %



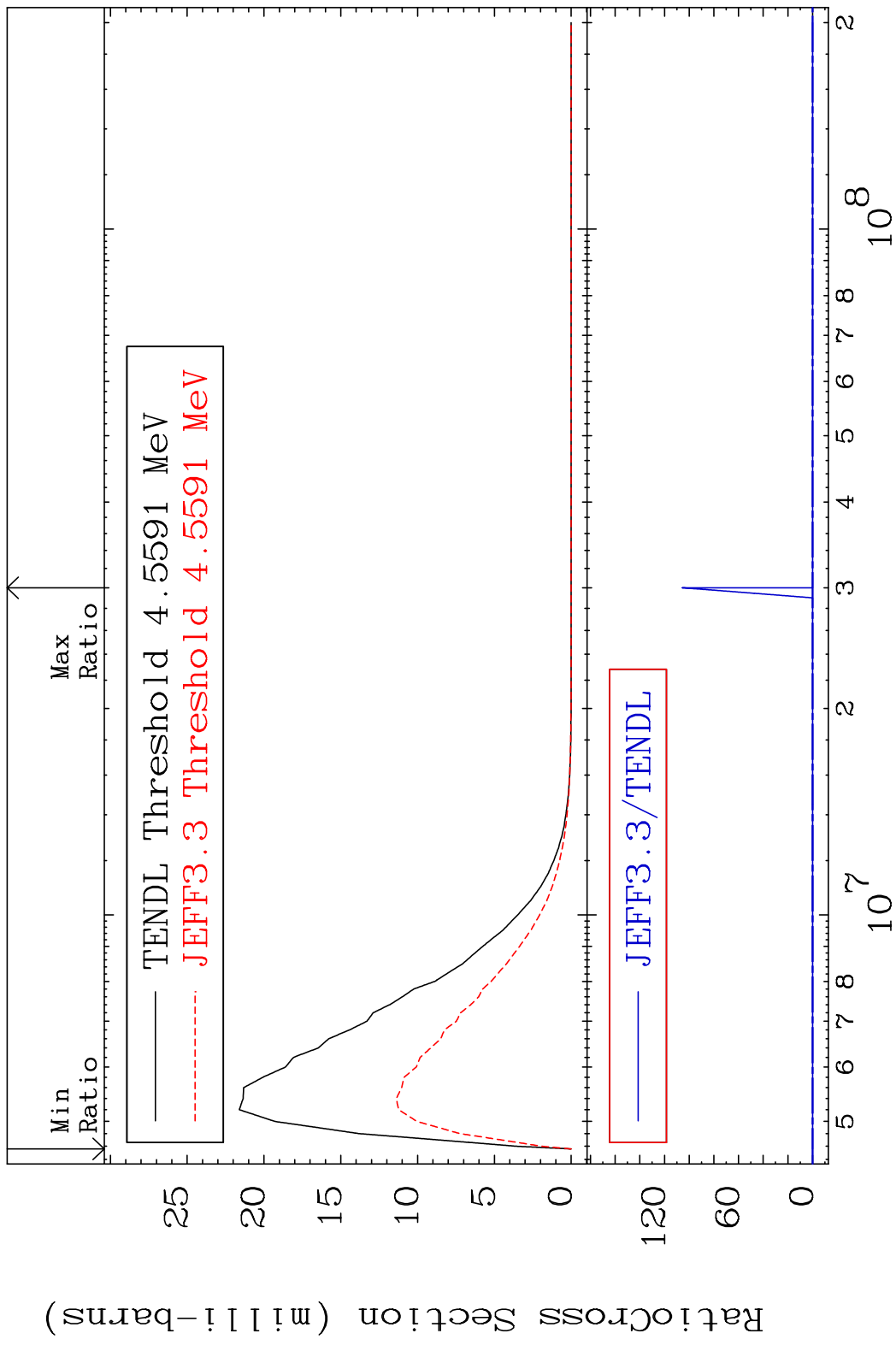
MAT 1628 MT= 66 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



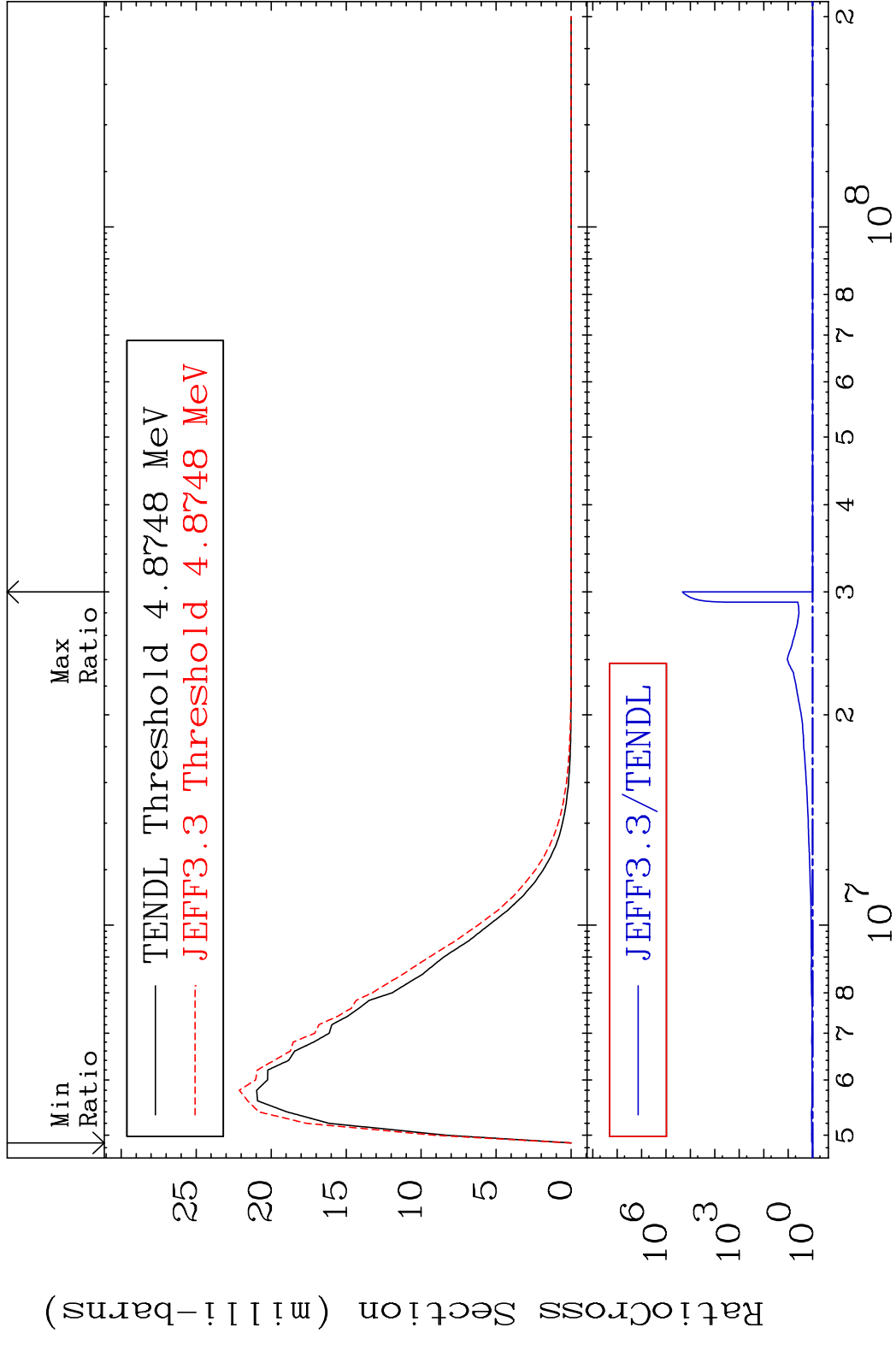
MAT 1628 MT= 67 (n, n') Level 16-S -33
 Cross Section -2.788 To 9999. %



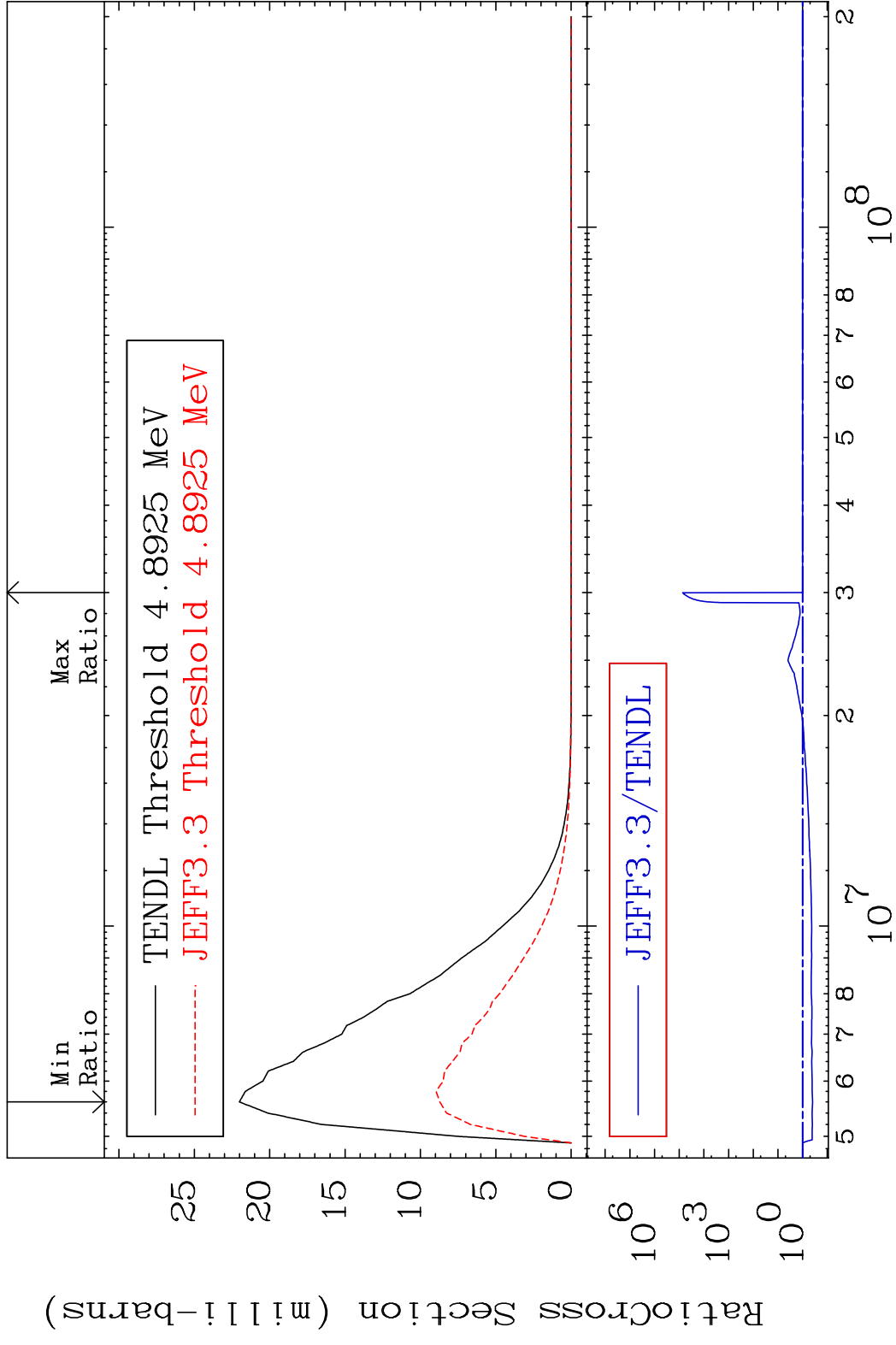
MAT 1628 MT= 68 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



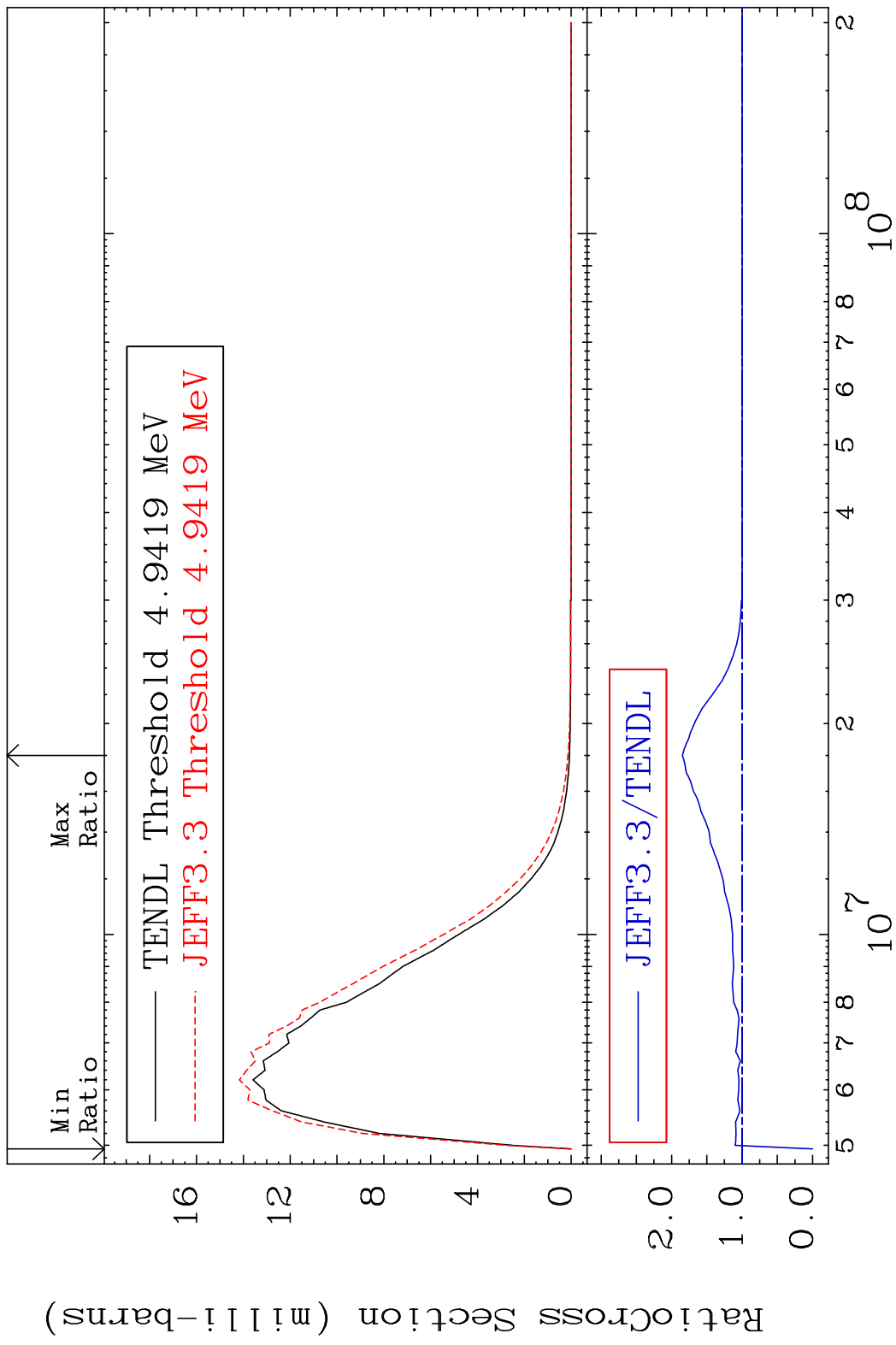
MAT 1628 MT= 69 (n, n') Level 16-S -33
 Cross Section 0.000 To 9999. %



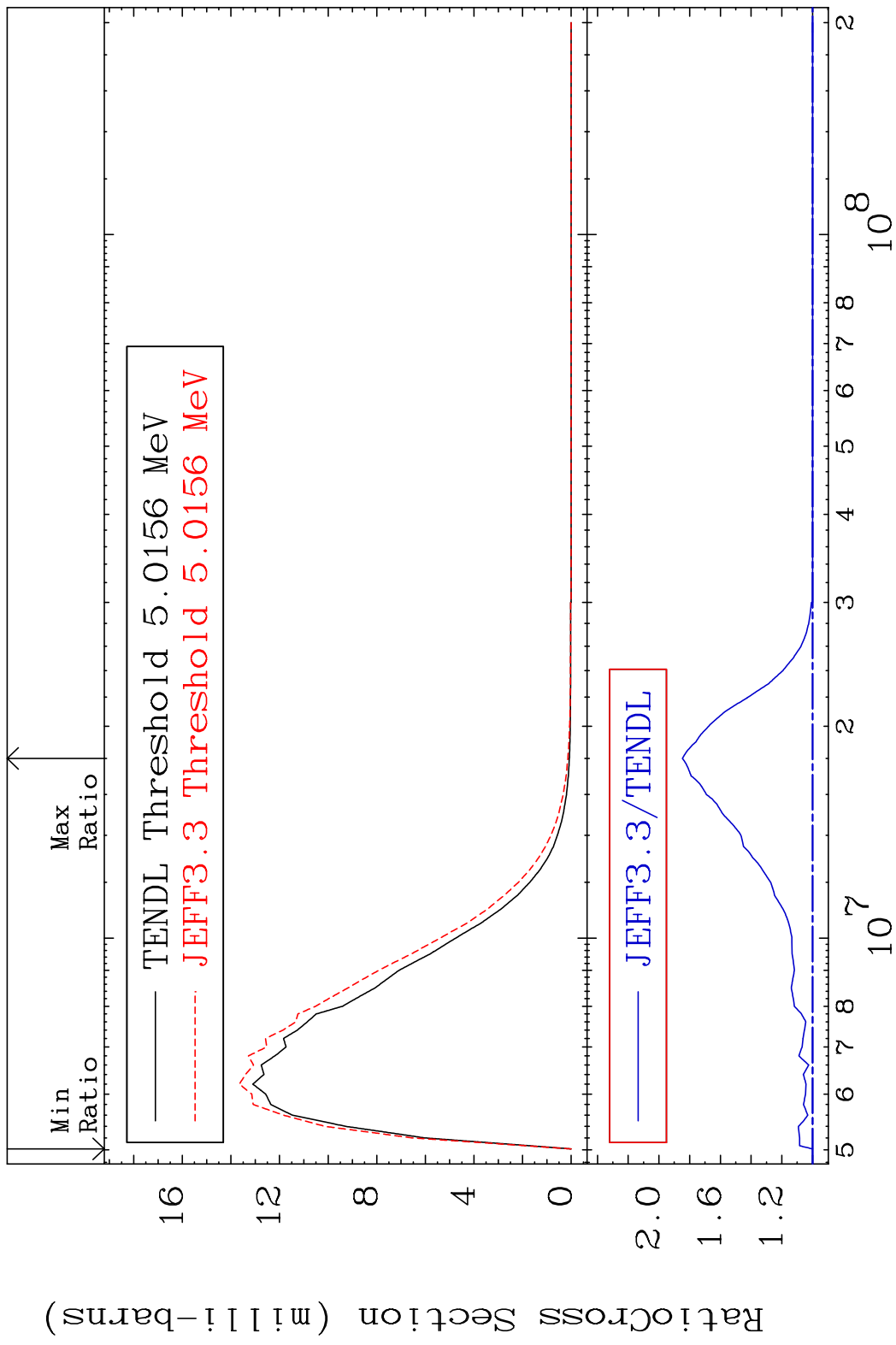
MAT 1628 MT= 70 (n, n') Level 16-S -33
 Cross Section -60.40 To 9999. %



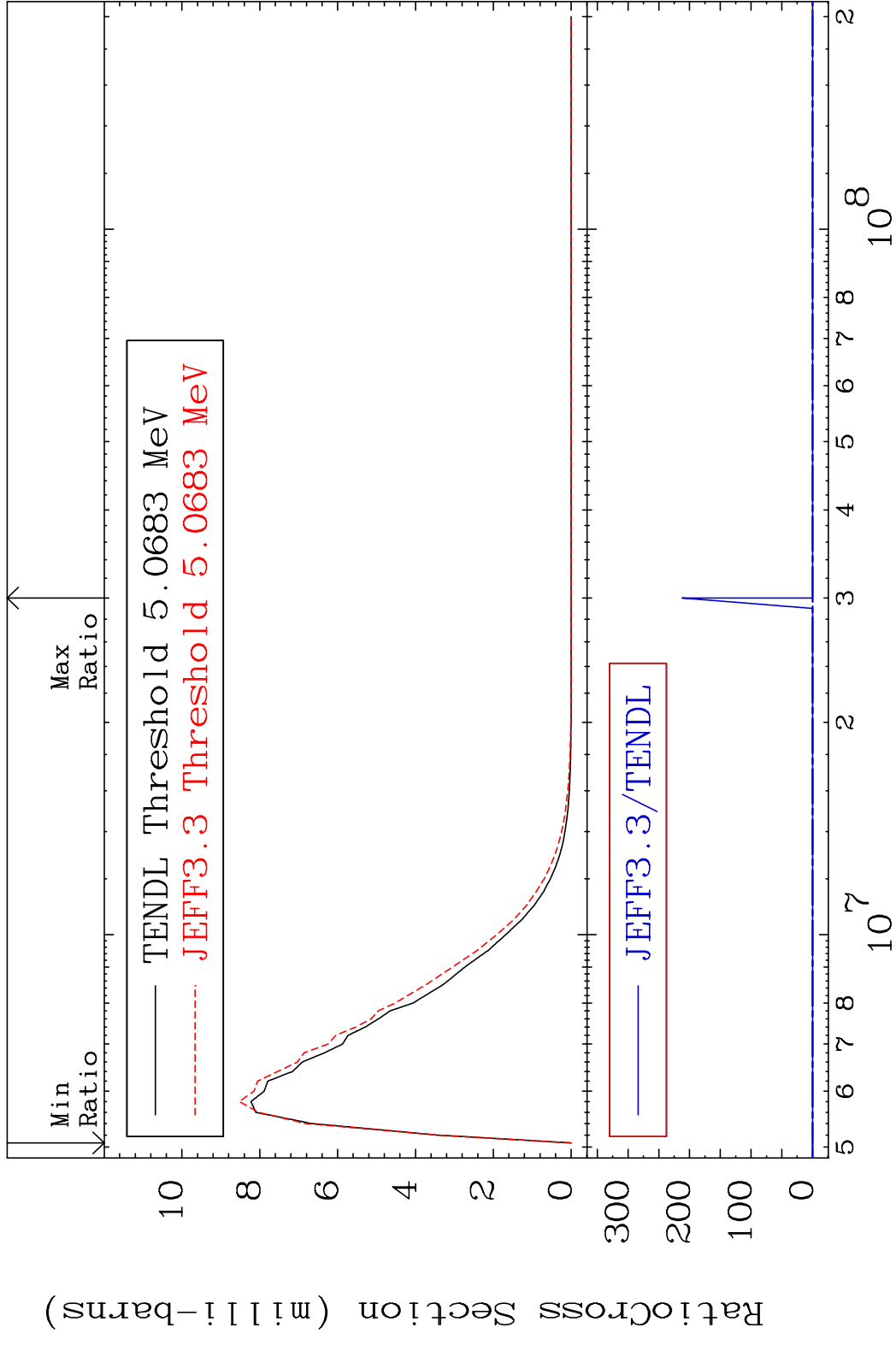
MAT 1628 MT= 71 (n, n') Level 16-S -33
 Cross Section -100.0 To 84.72 %



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

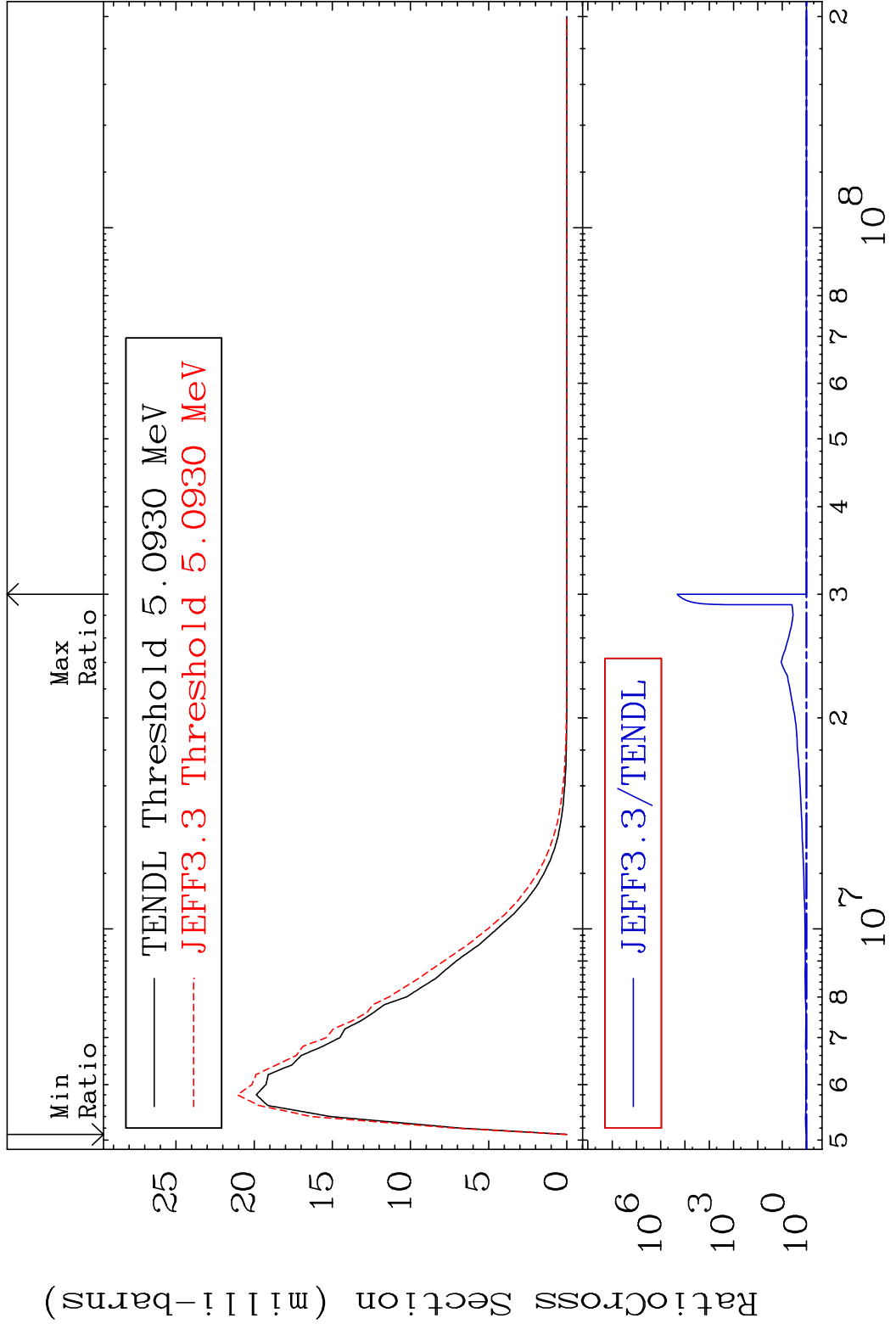


MAT 1628 MT= 73 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



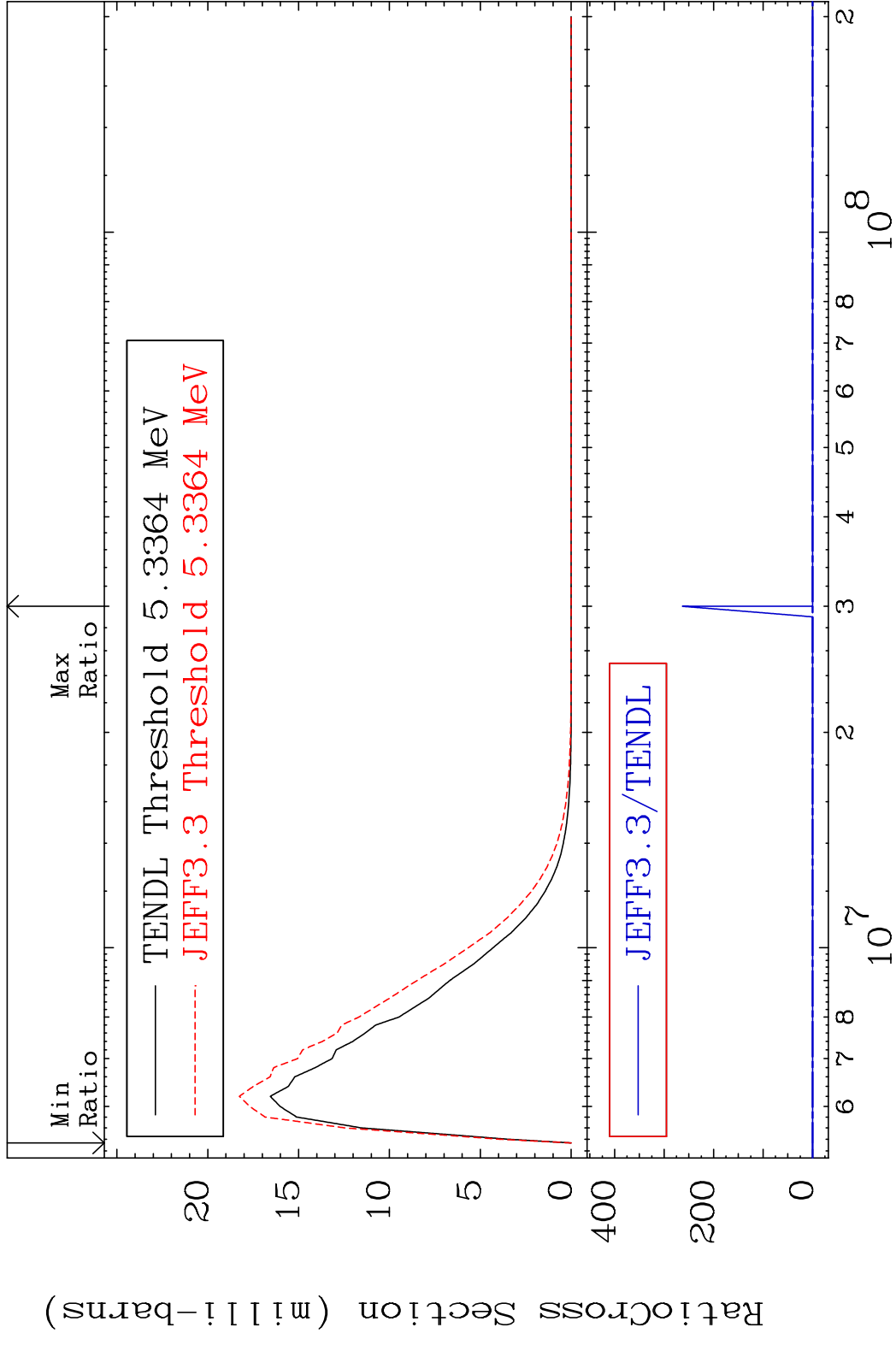
39 Incident Energy (eV) 16-S -33

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

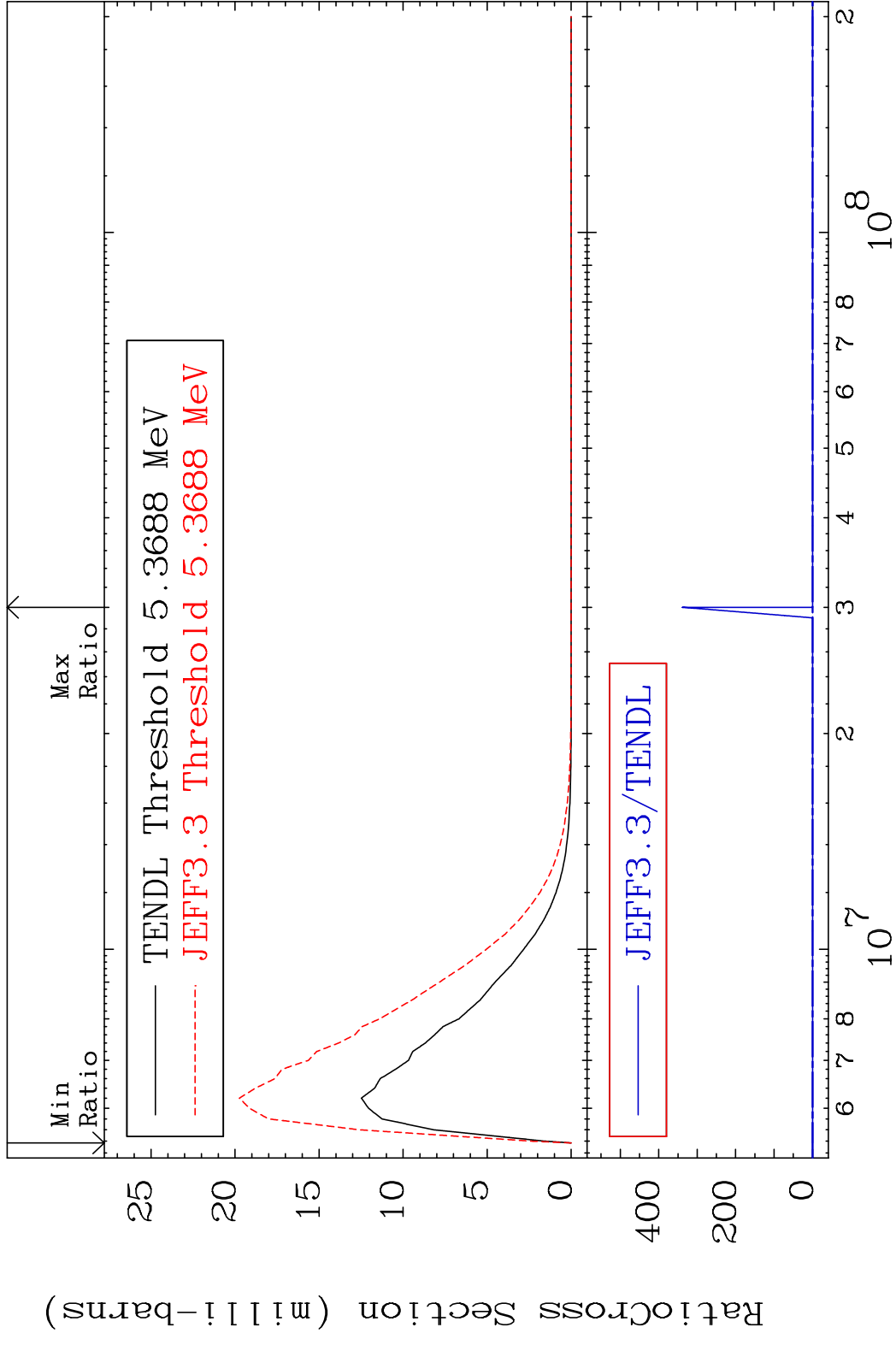


40 Incident Energy (eV) 16-S -33

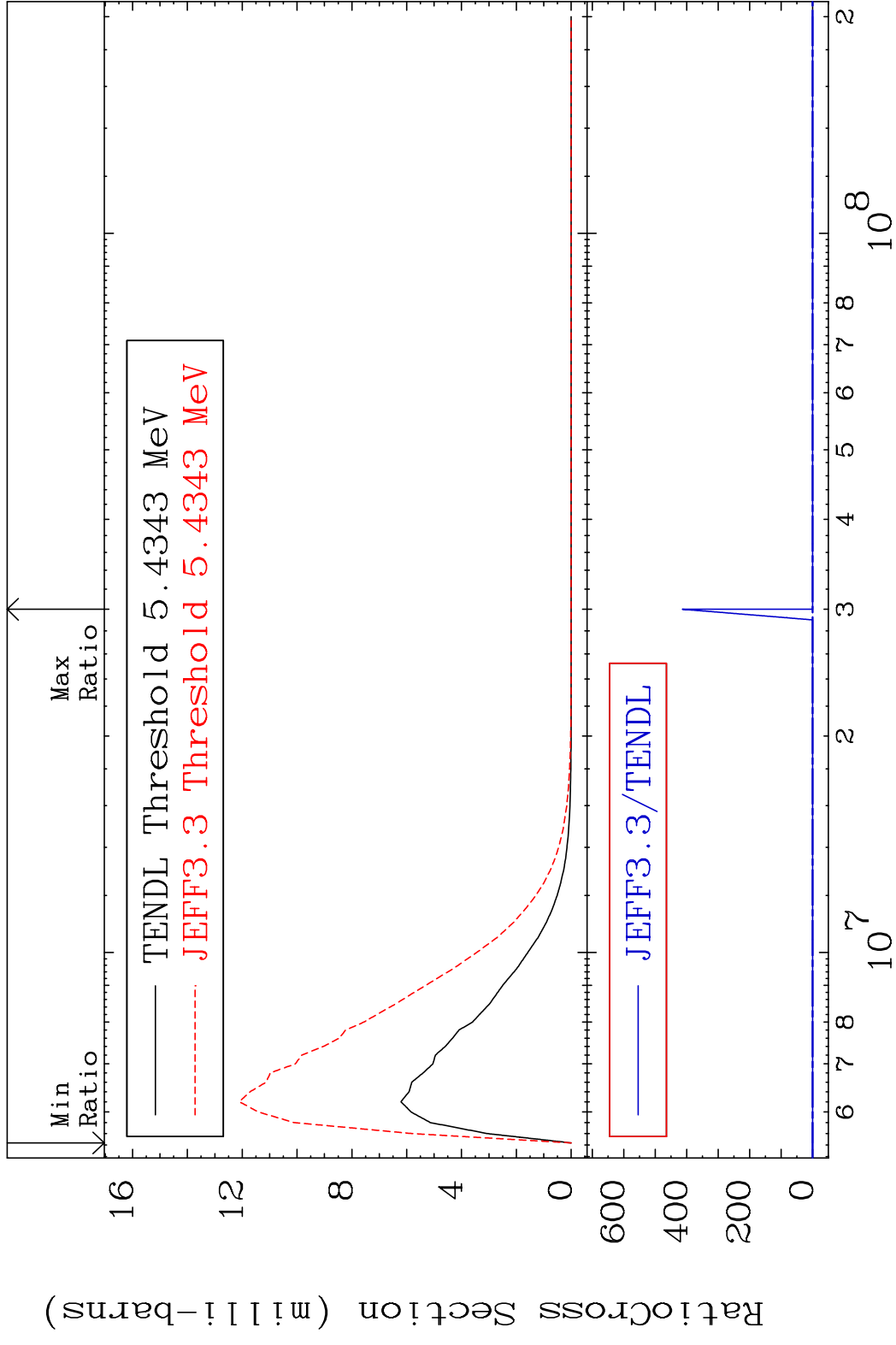
MAT 1628 MT= 75 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



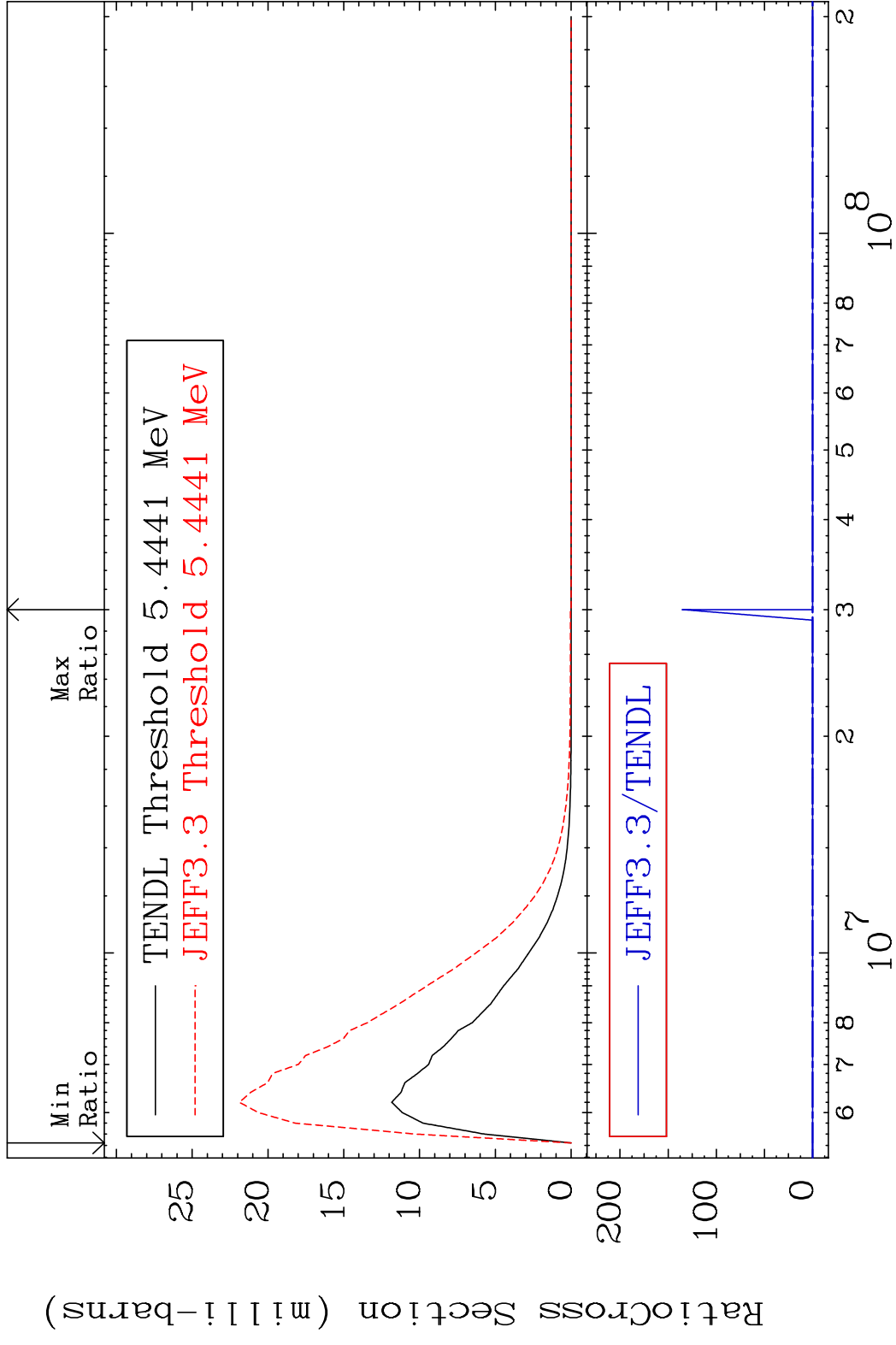
MAT 1628 MT= 76 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



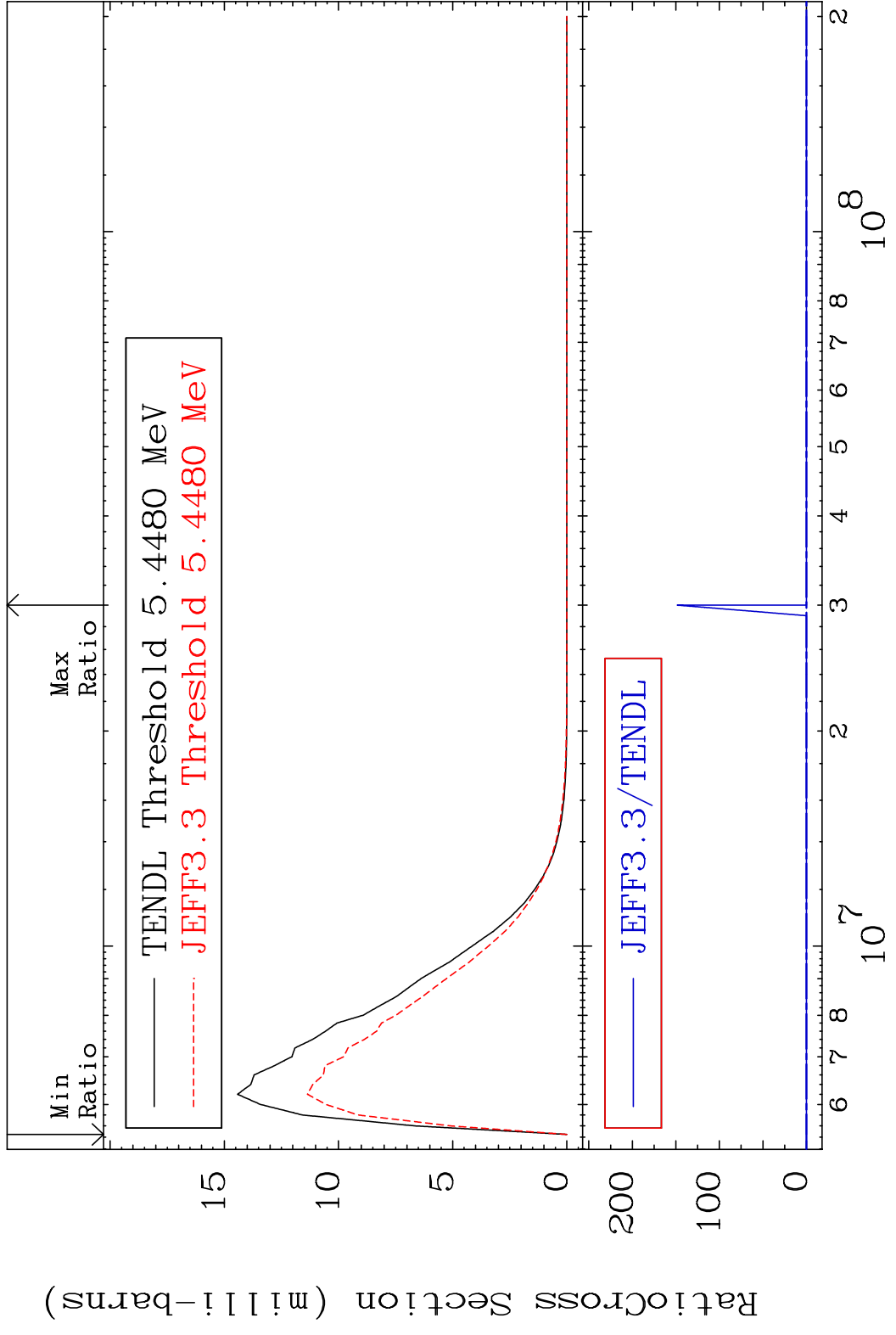
MAT 1628 MT= 77 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %



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

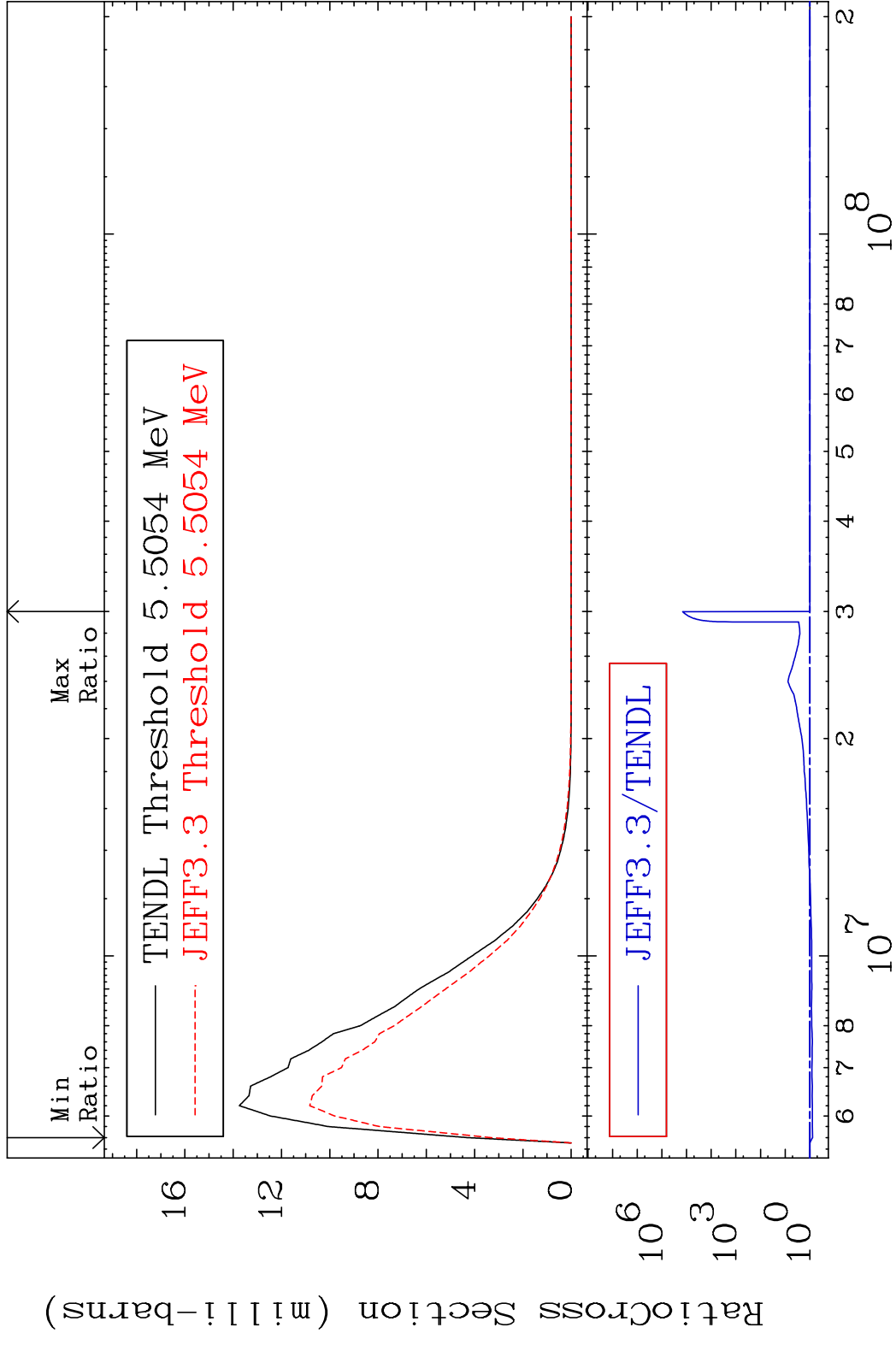


MAT 1628 MT= 79 (n, n') Level 16-S -33
 Cross Section -100.0 To 9999. %

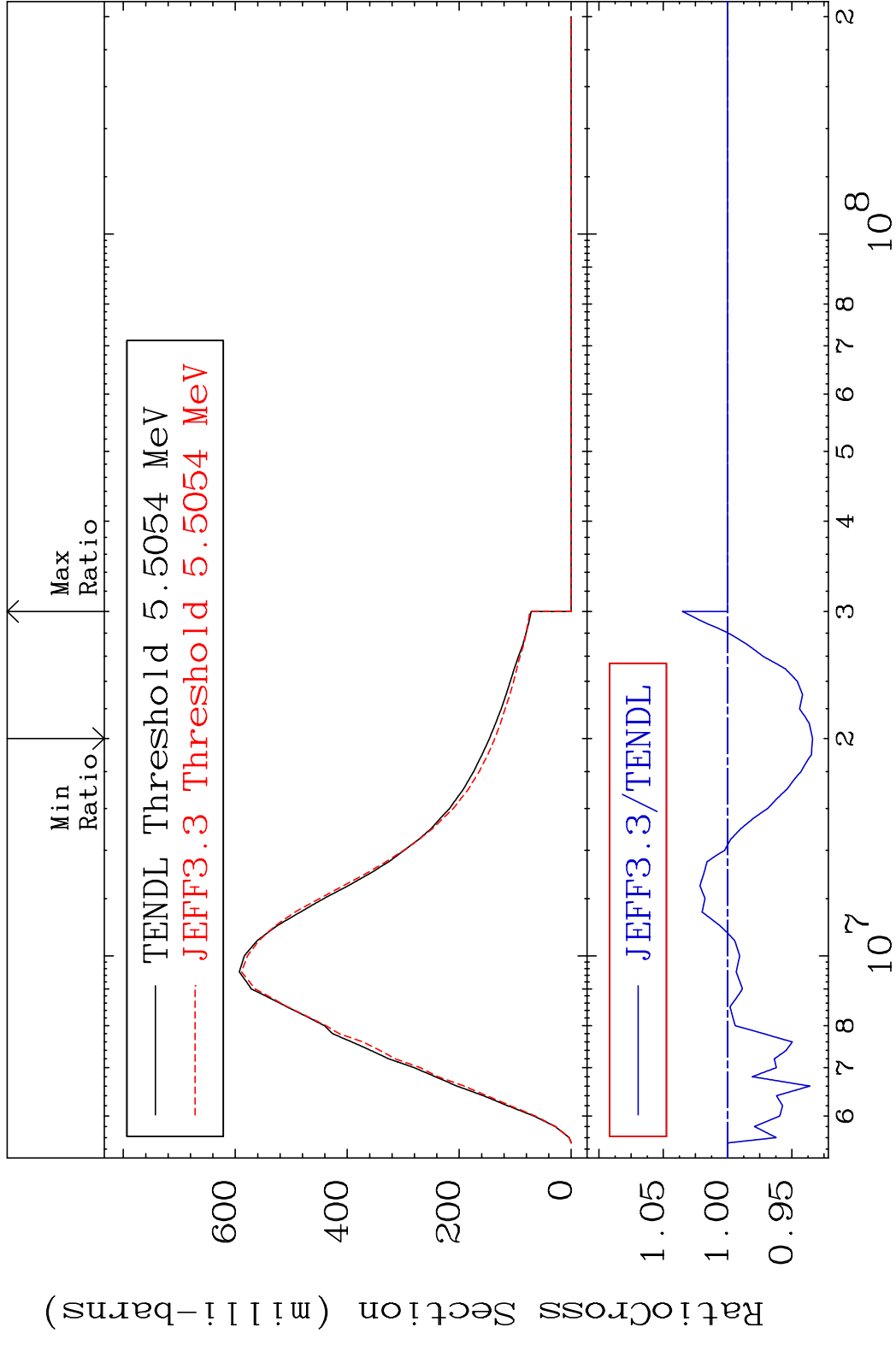


45 Incident Energy (eV) 16-S -33

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 %

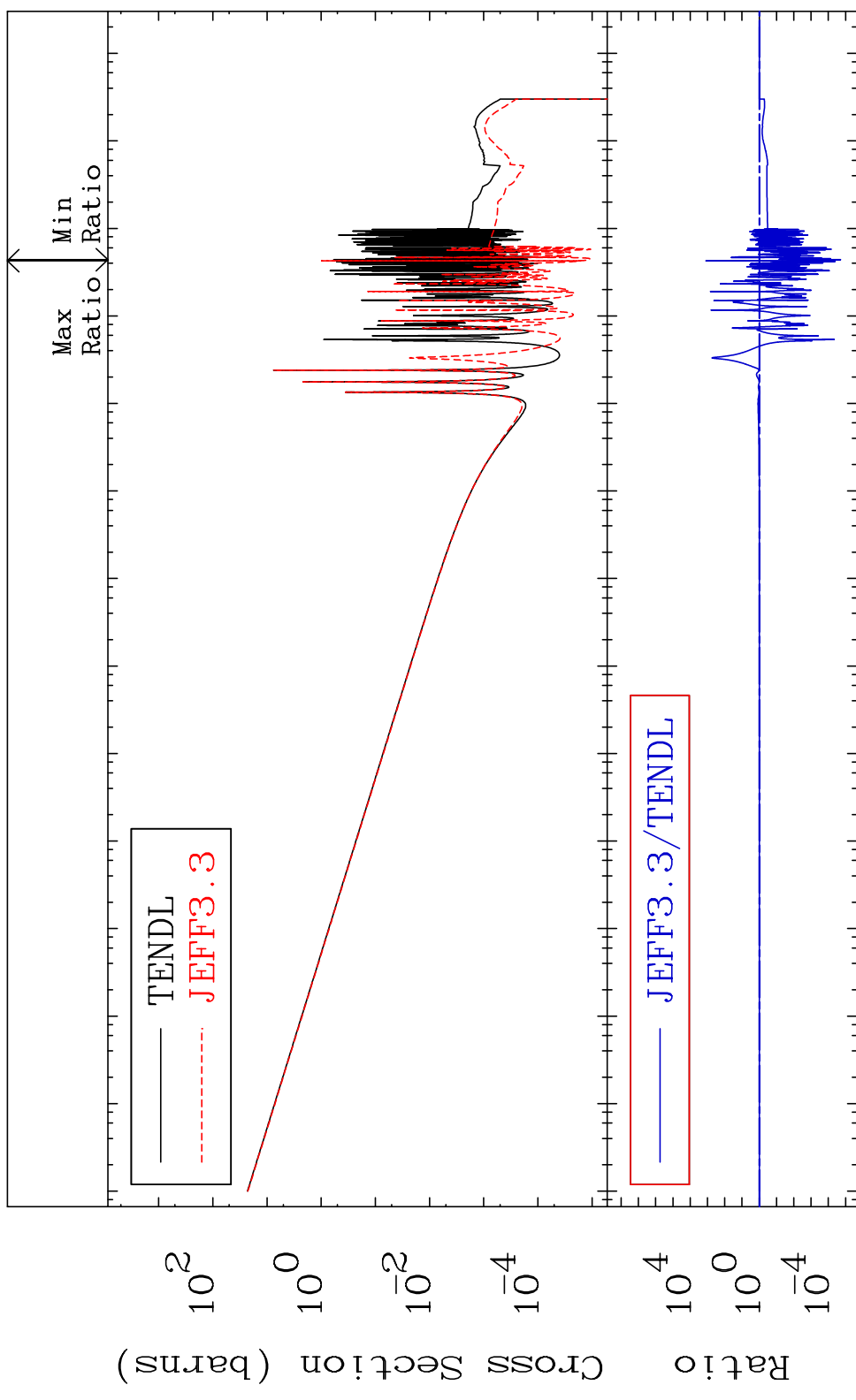


MAT 1628

(n, γ)

16-S -33

Cross Section -100.0 To 9999. %

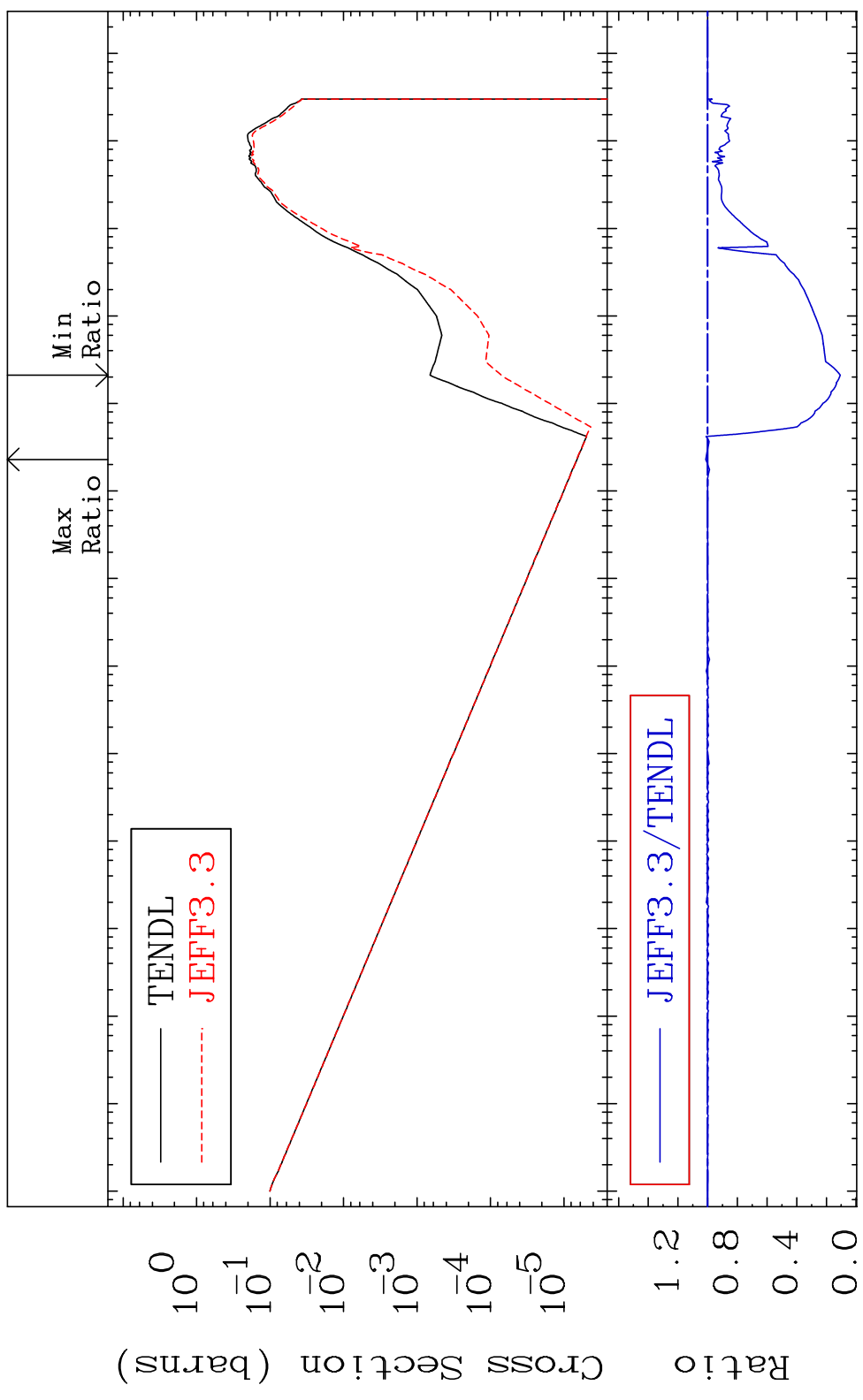


MAT 1628

(n,p)

16-S -33

Cross Section -89.42 To 1.313 %

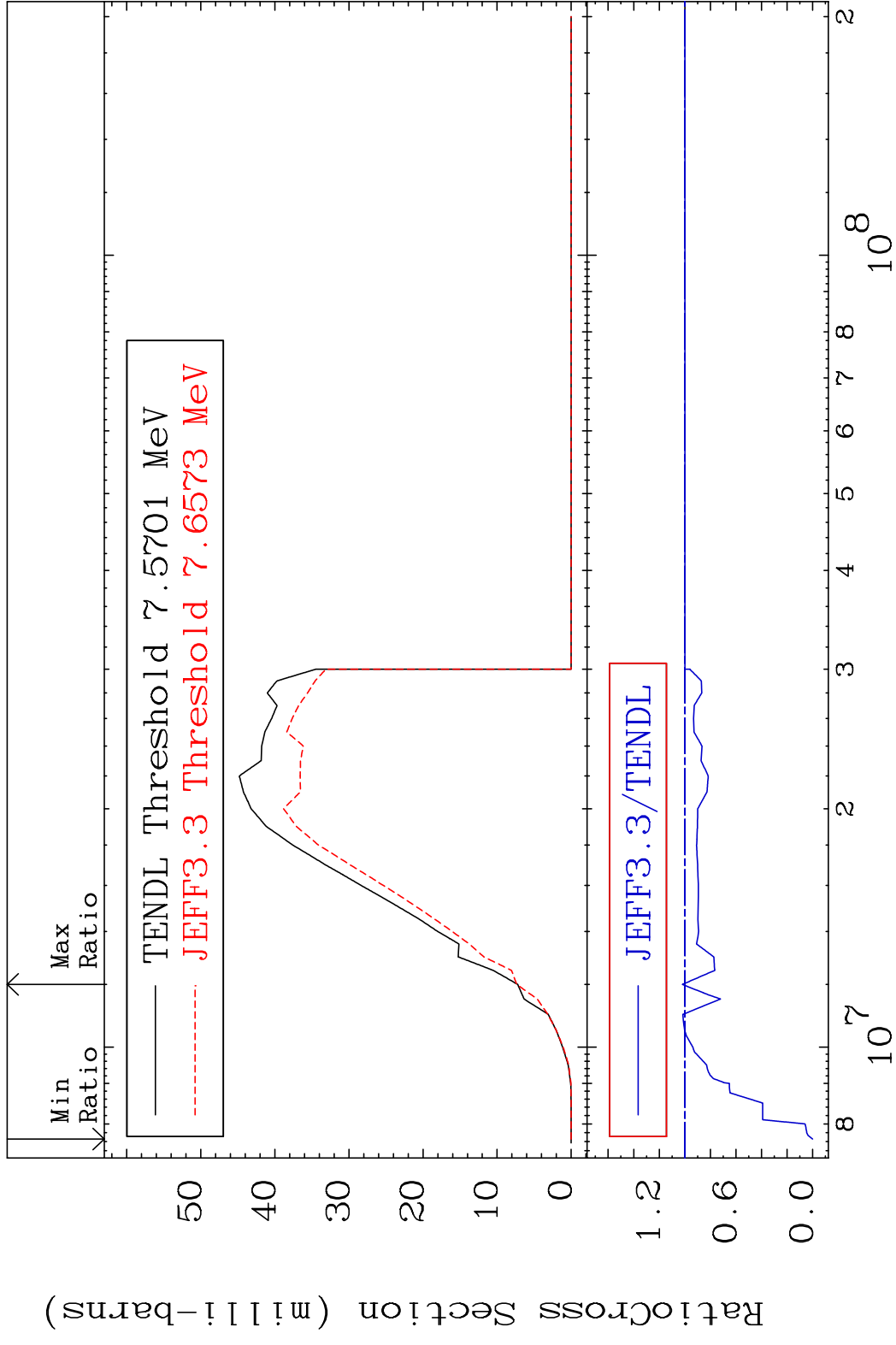


49

Incident Energy (eV)

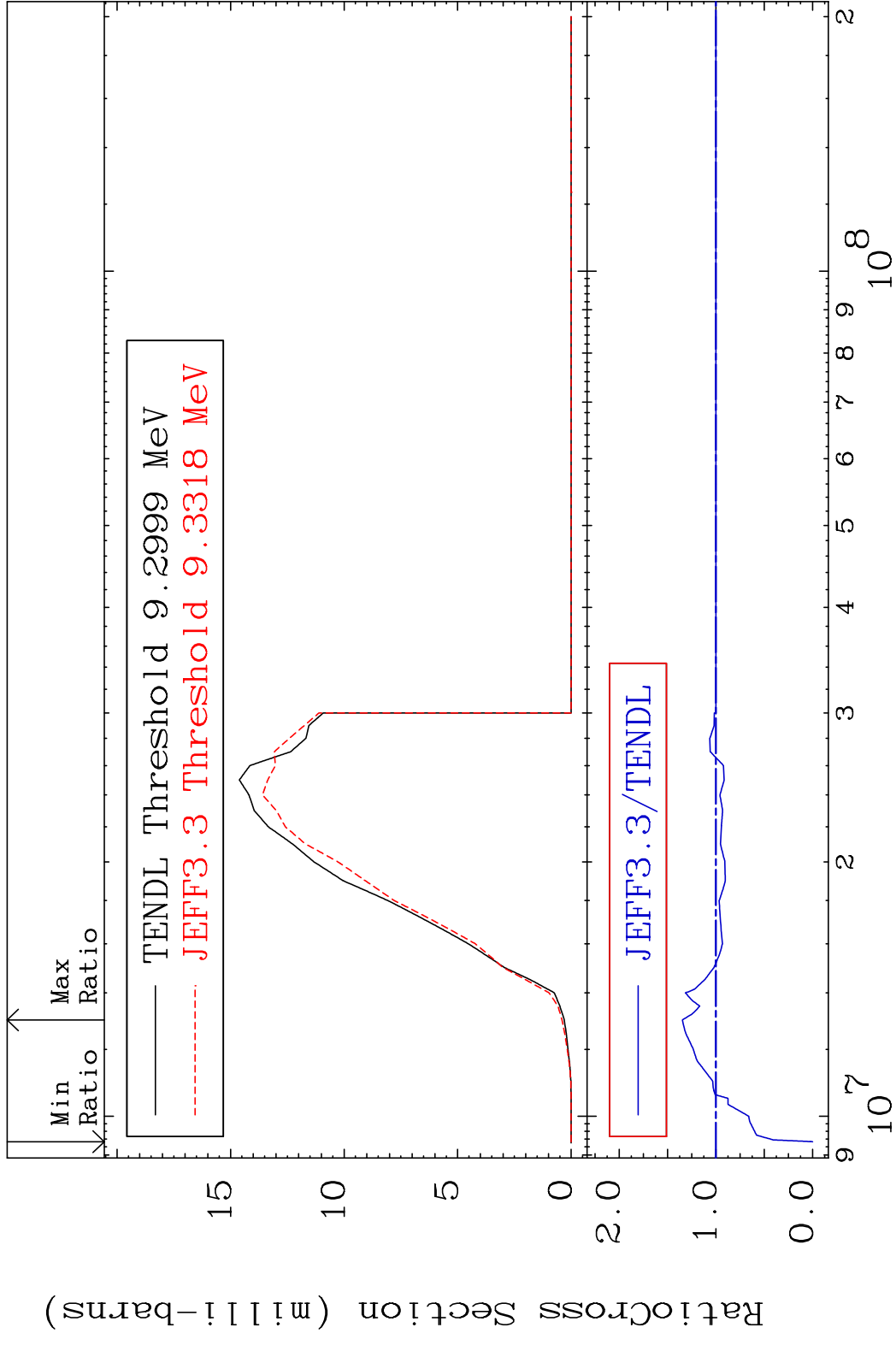
16-S -33

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 %

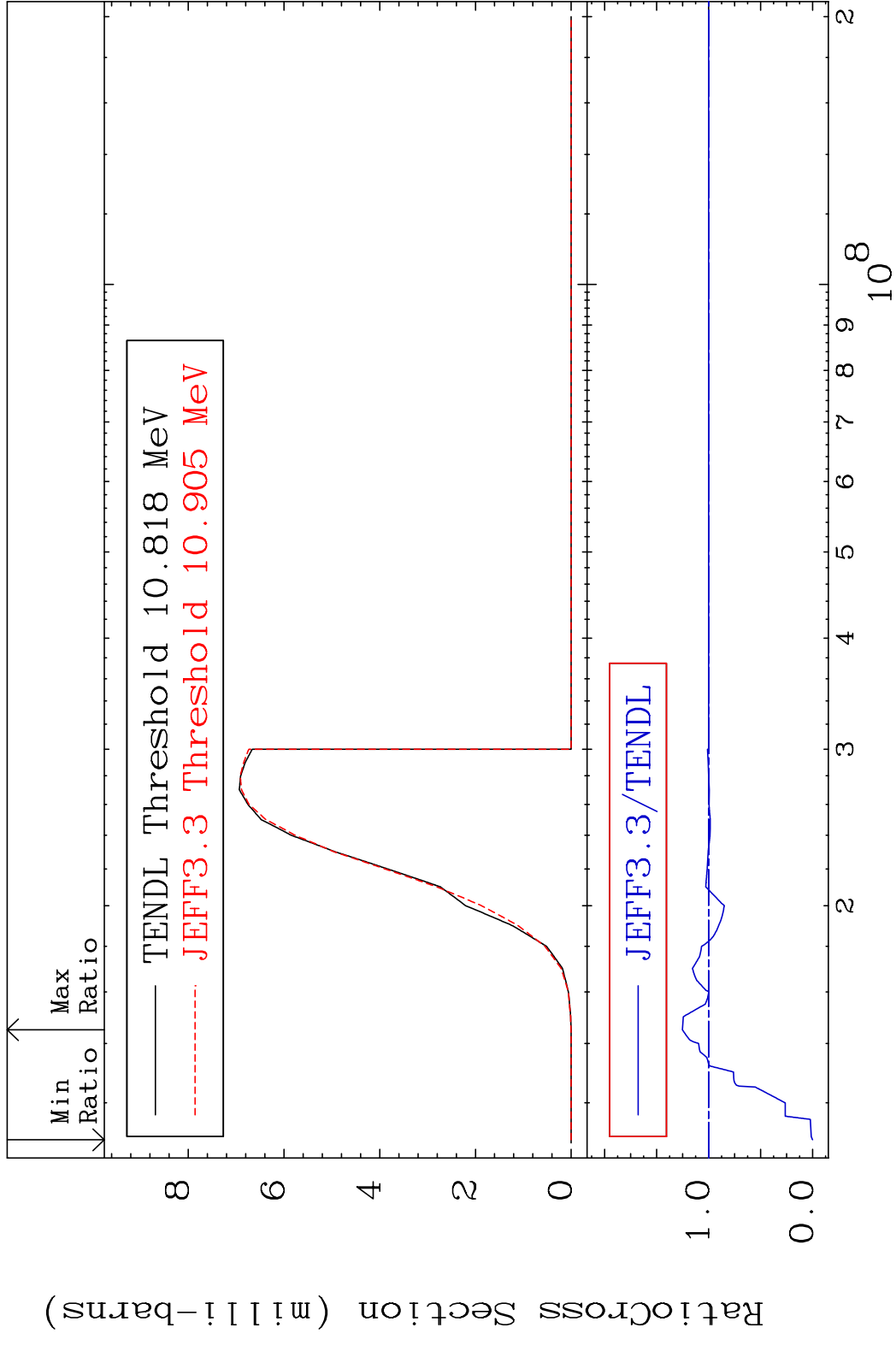


MAT 1628

(n, He-3)

16-S -33

Cross Section -100.0 To 25.29 %

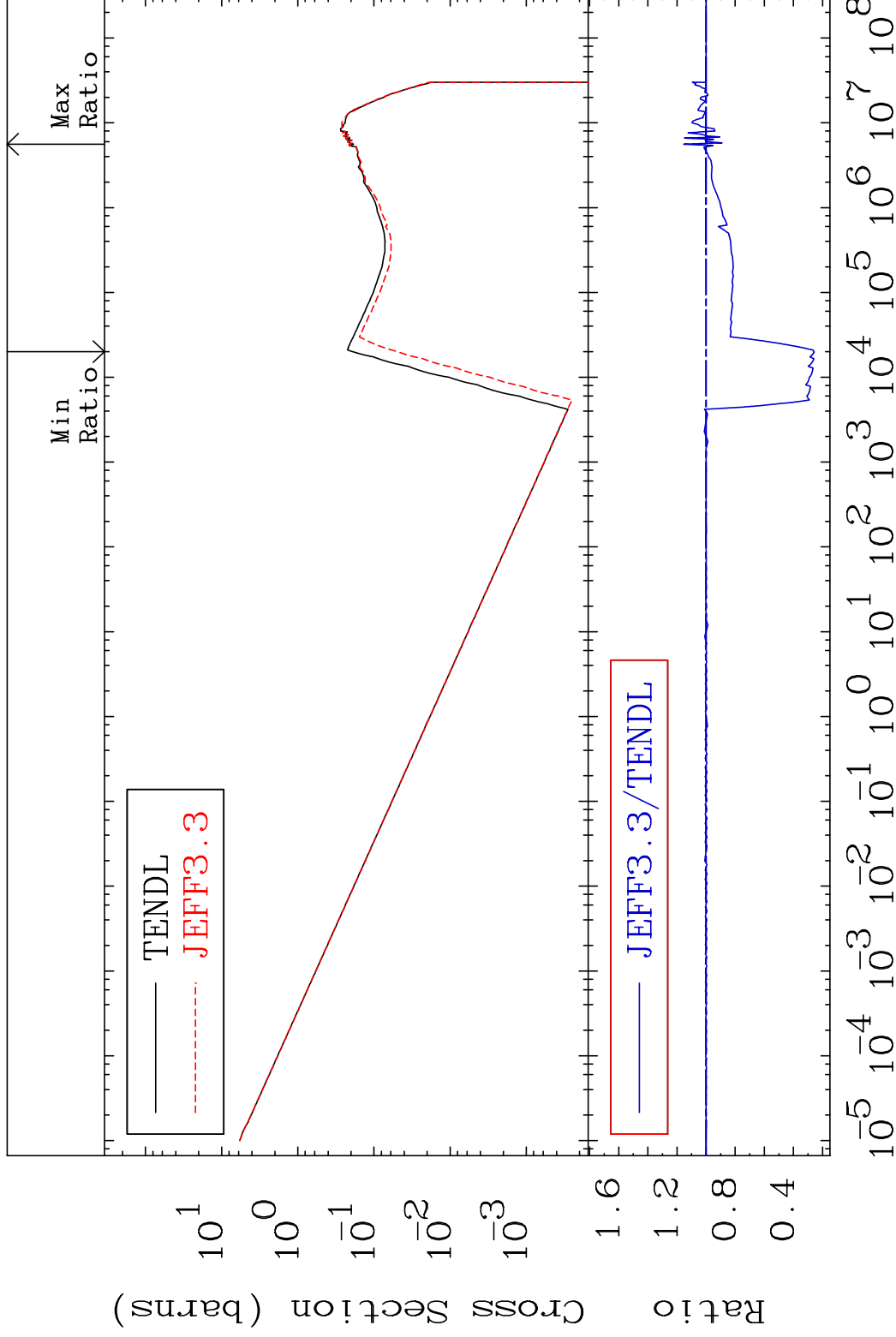


MAT 1628

16-S -33

(n, α)

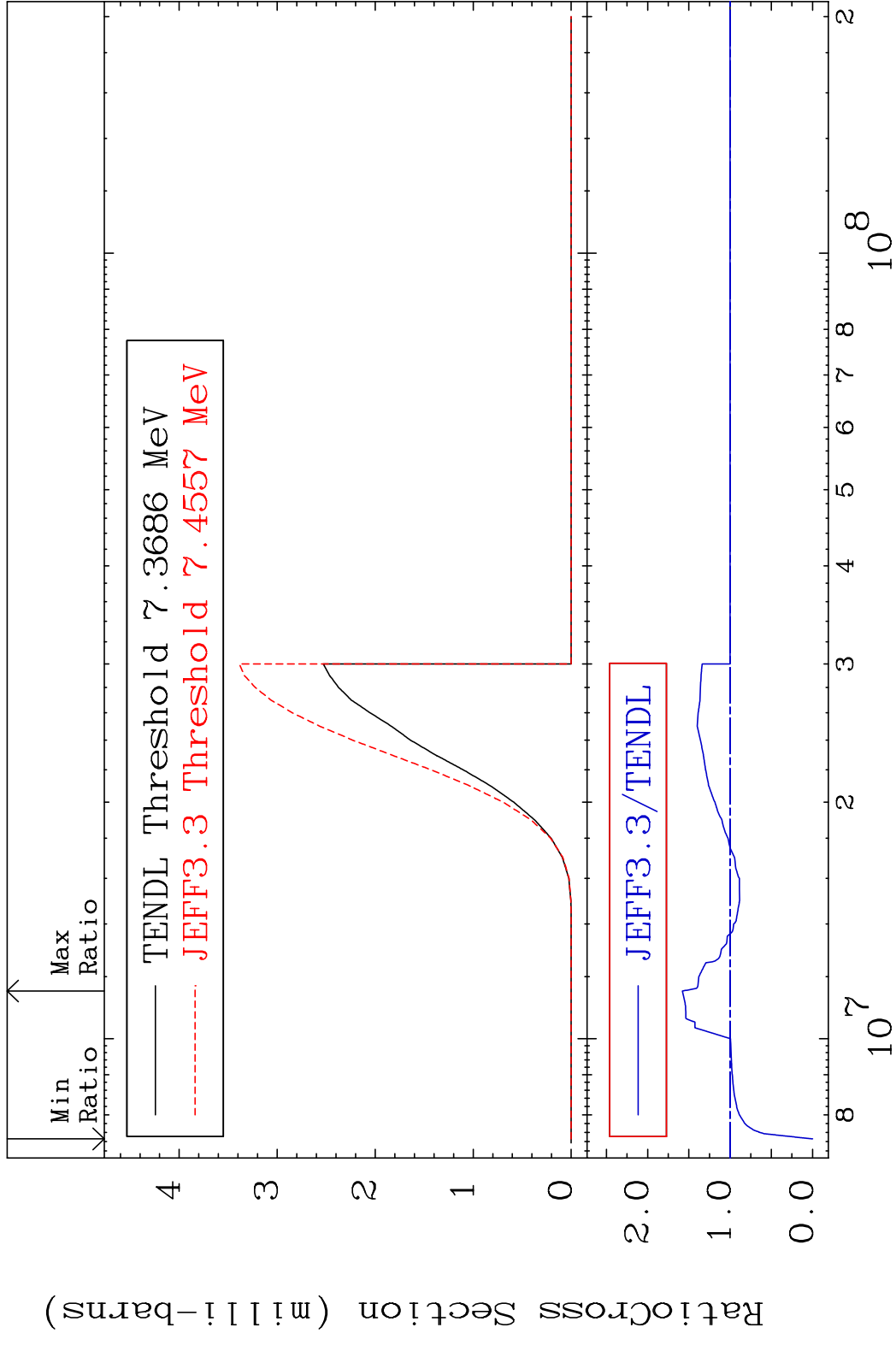
Cross Section -74.18 To 15.40 %



53

Incident Energy (eV)

16-S -33

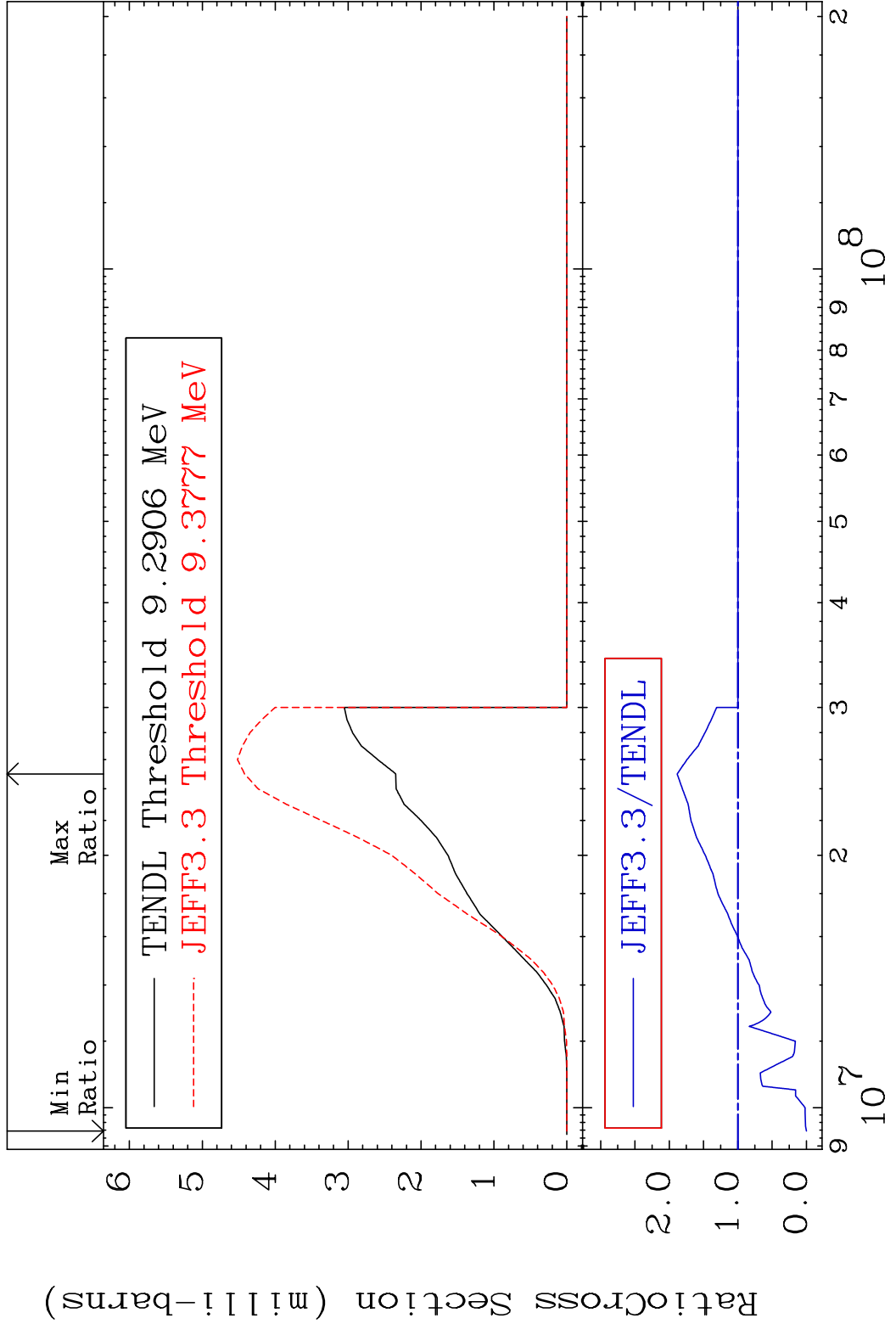


MAT 1628

(n,2p)

16-S -33

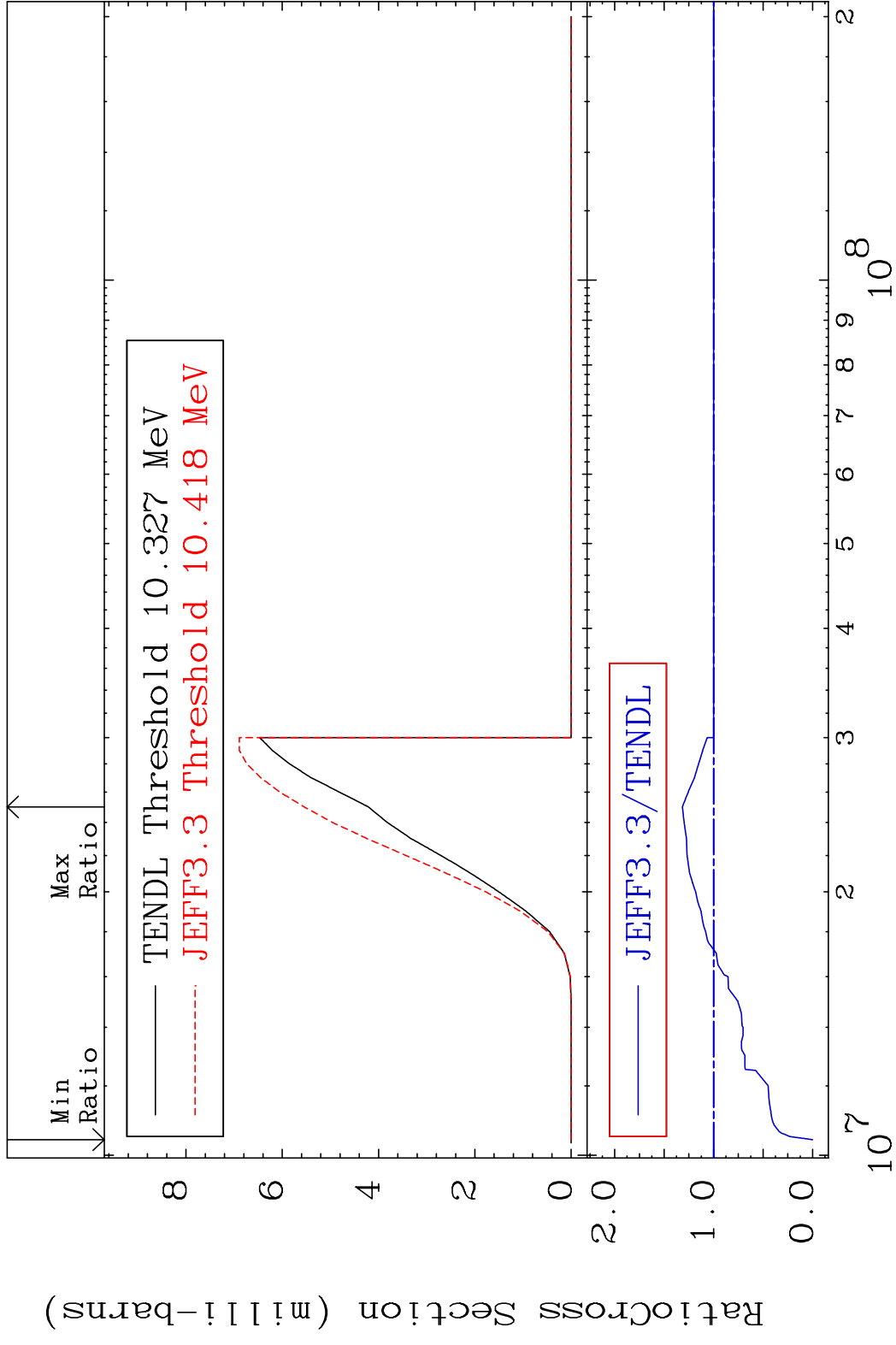
Cross Section -100.0 To 88.37 %



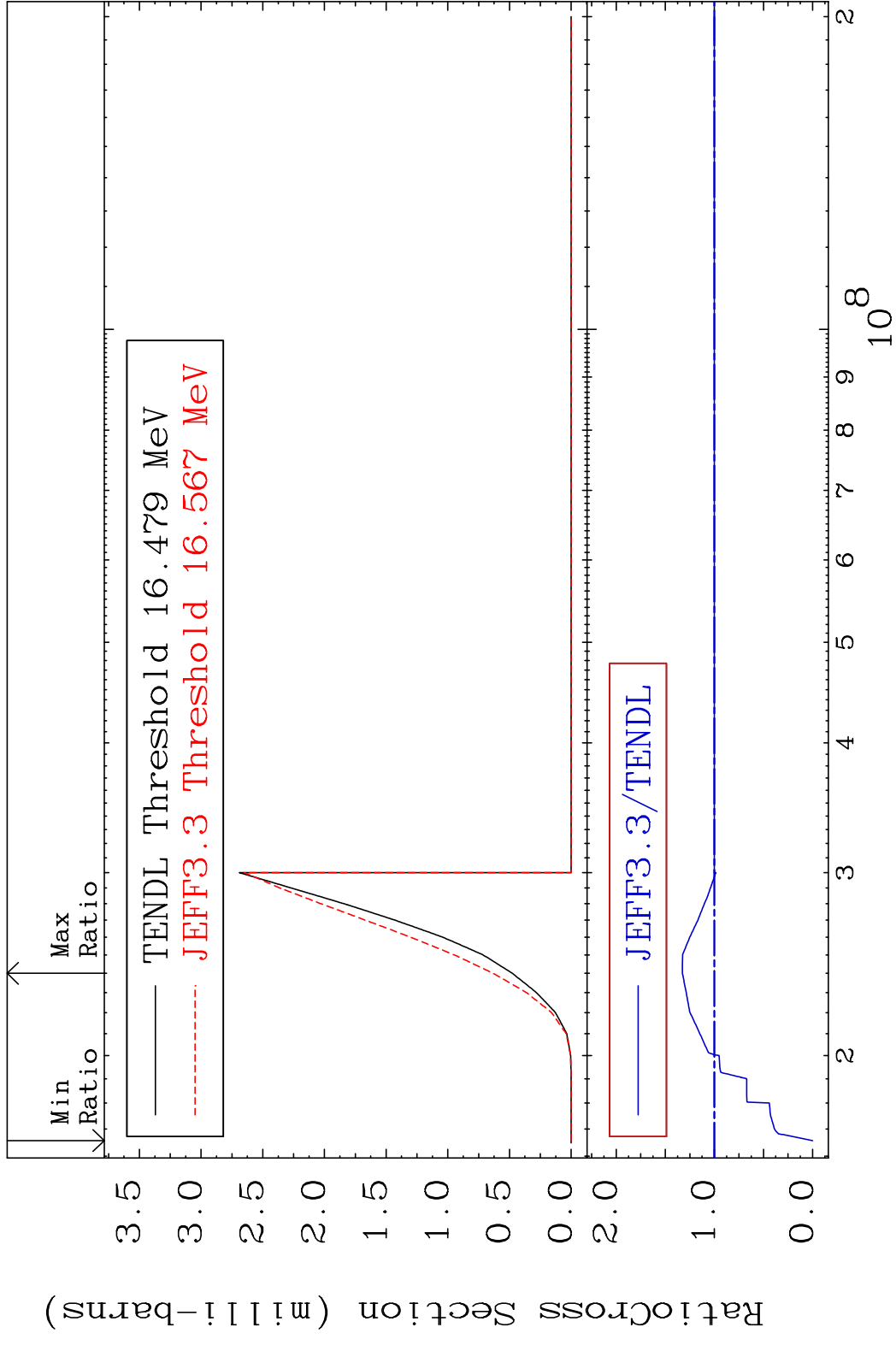
55

16-S -33

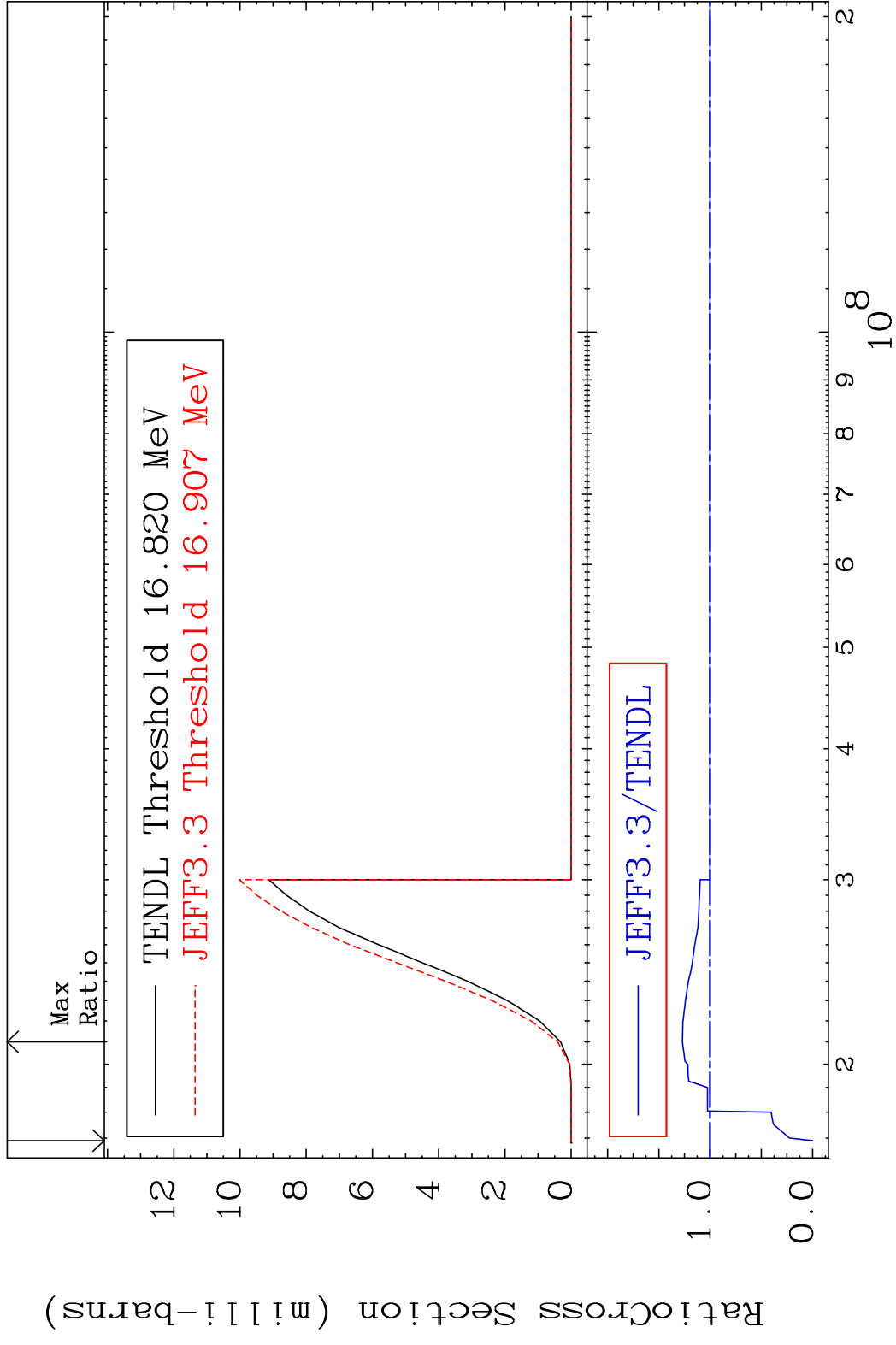
MAT 1628 (n,p) α 16-S -33
 Cross Section -100.0 To 31.60 %



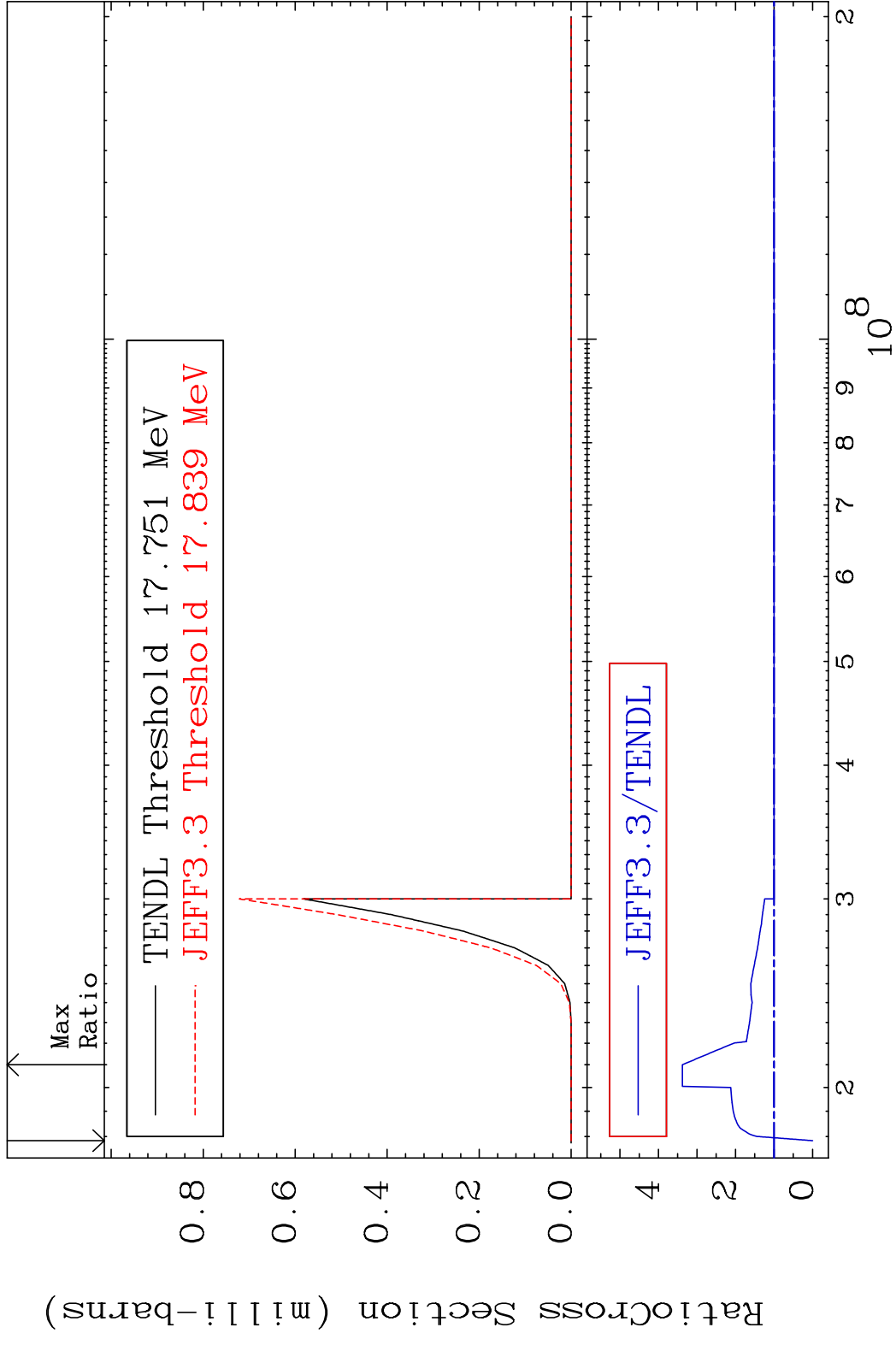
MAT 1628 (n,p) d 16-S -33
 Cross Section -100.0 To 32.63 %



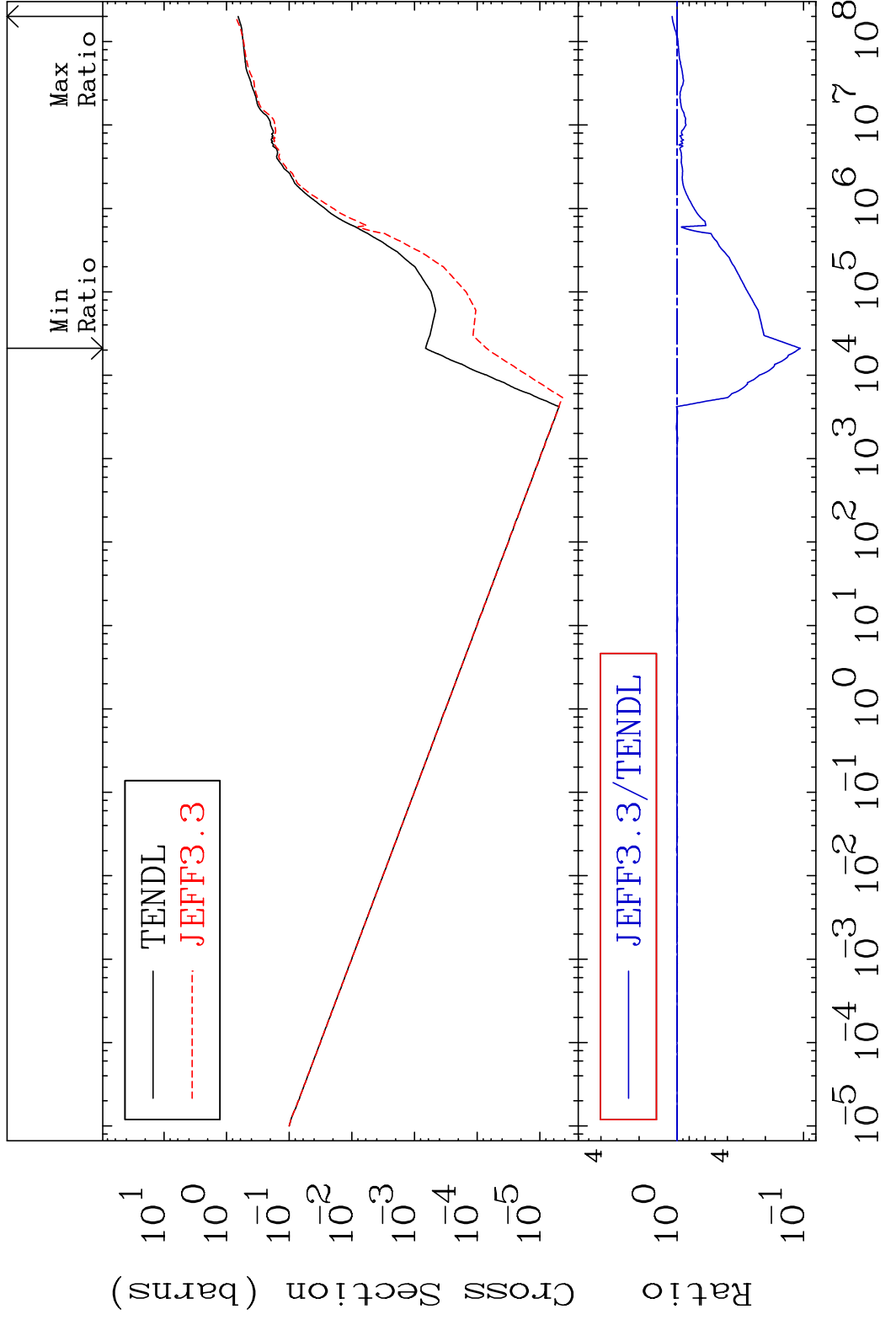
MAT 1628 (n,p) t 16-S -33
 Cross Section -100.0 To 27.03 %



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

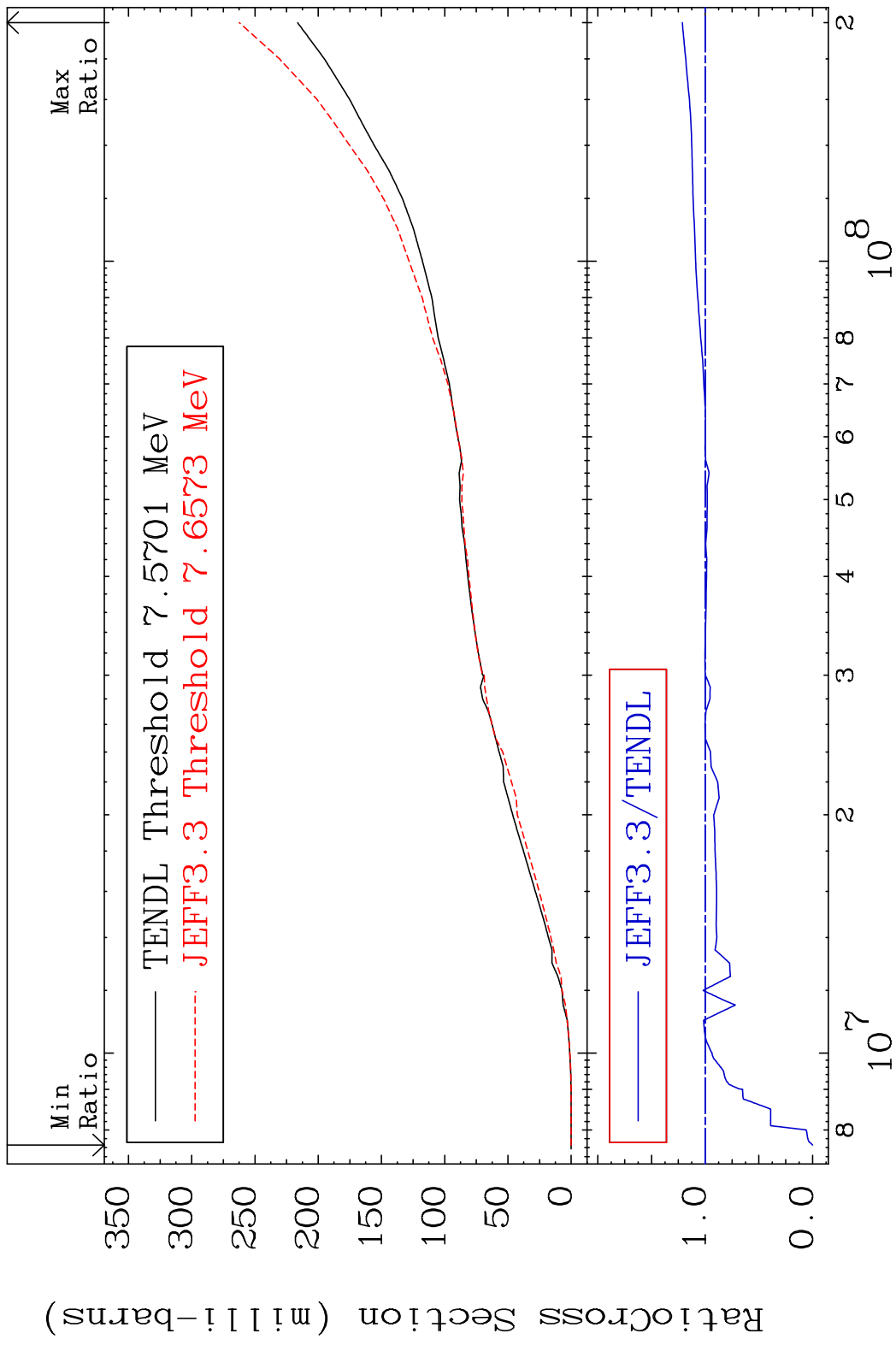


MAT 1628 Hydrogen Production 16-S -33
Cross Section -89.42 To 9.468 %

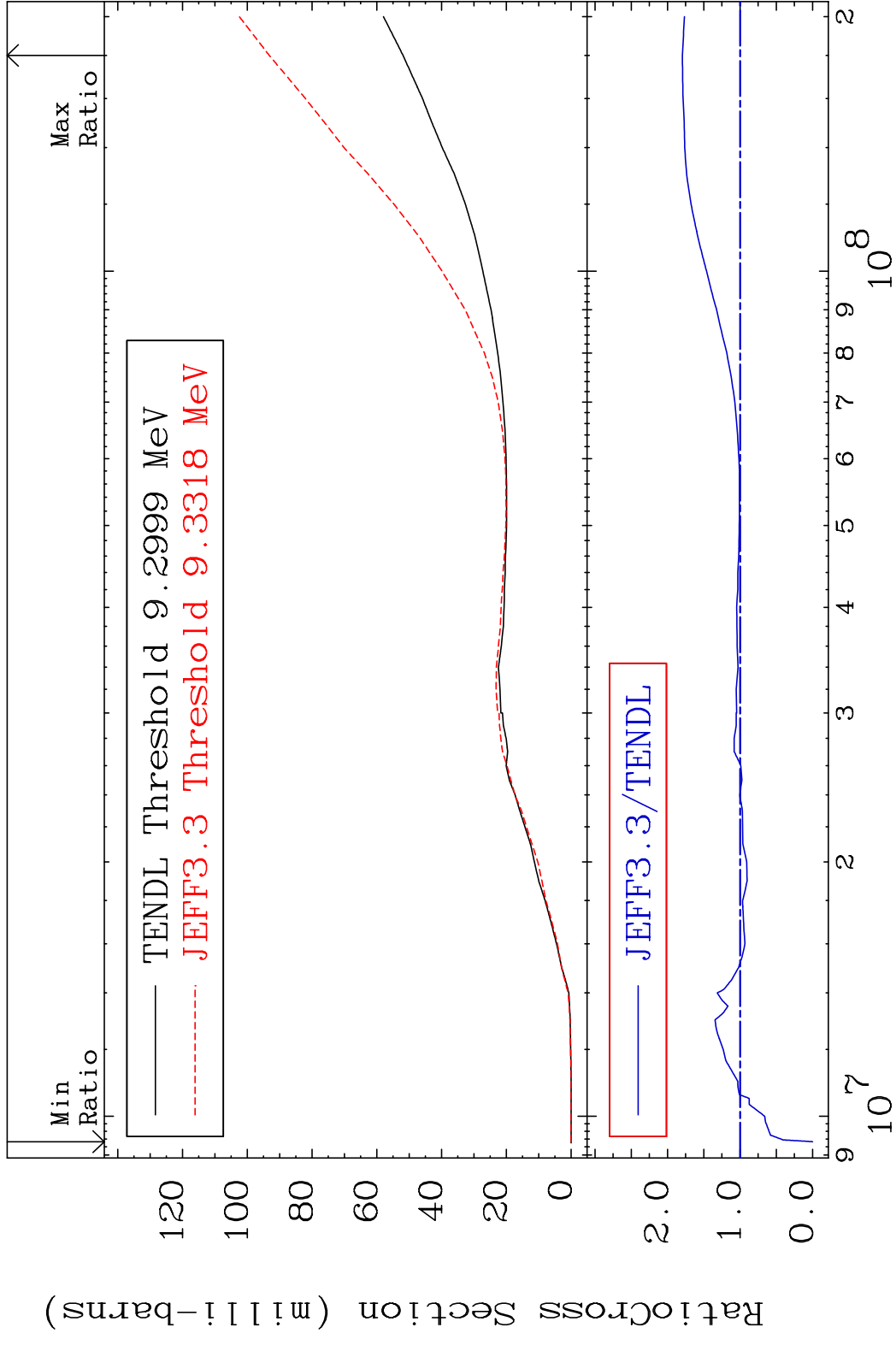


60 Incident Energy (eV) 16-S -33

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

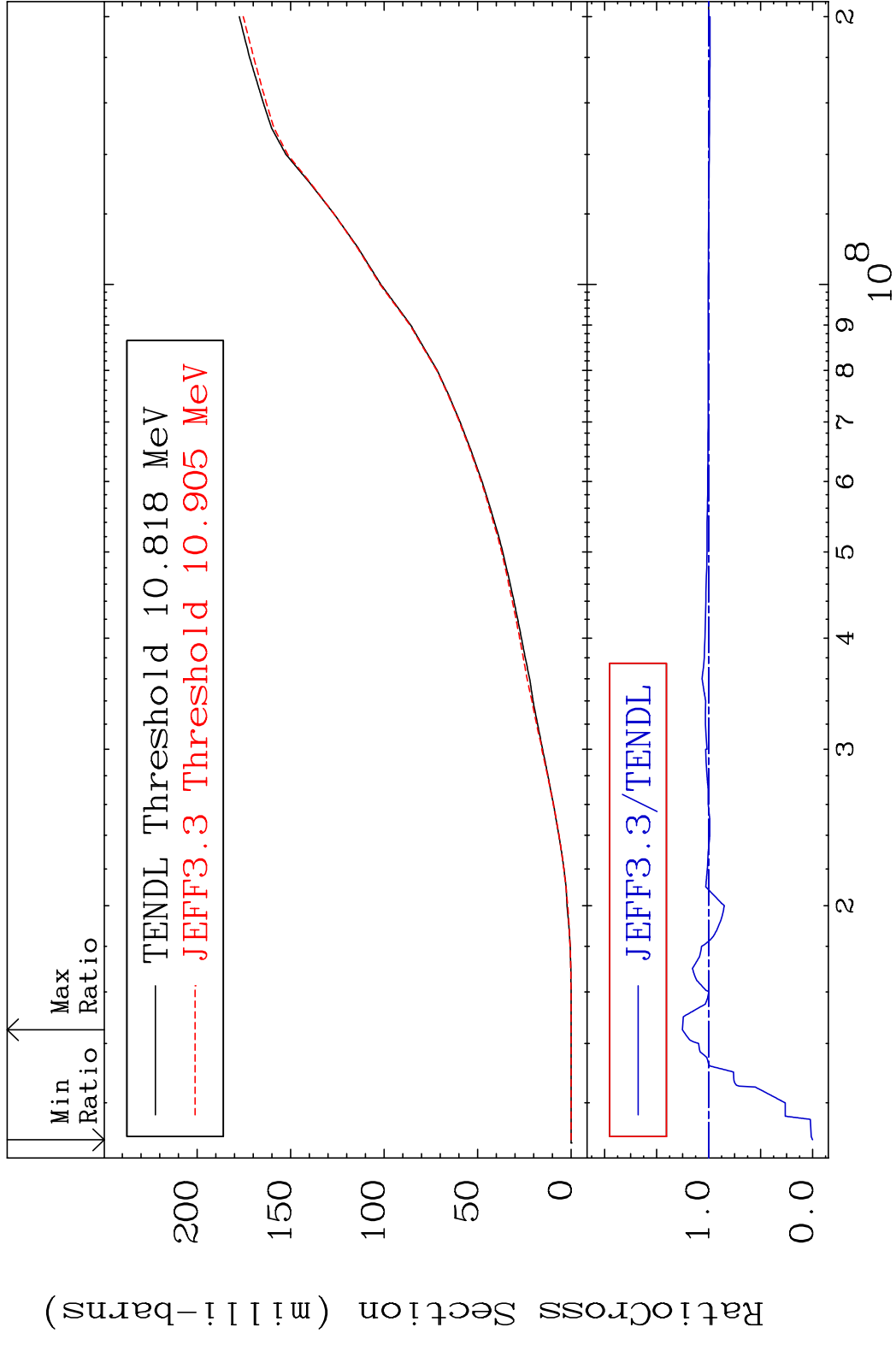


MAT 1628 Tritium Production 16-S -33
 Cross Section -100.0 To 79.58 %



62 16-S -33

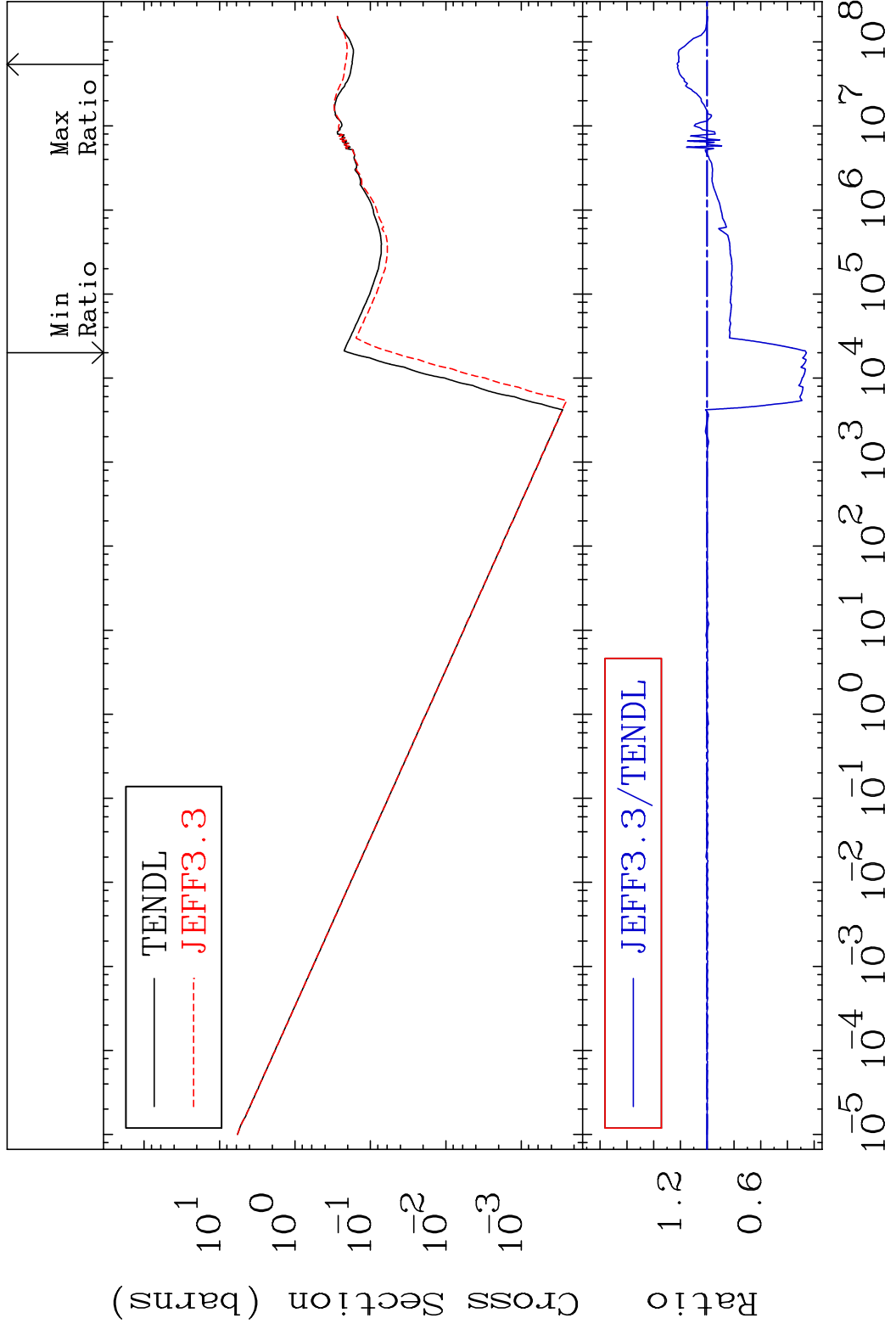
Cross Section -100.0 To 25.29 %



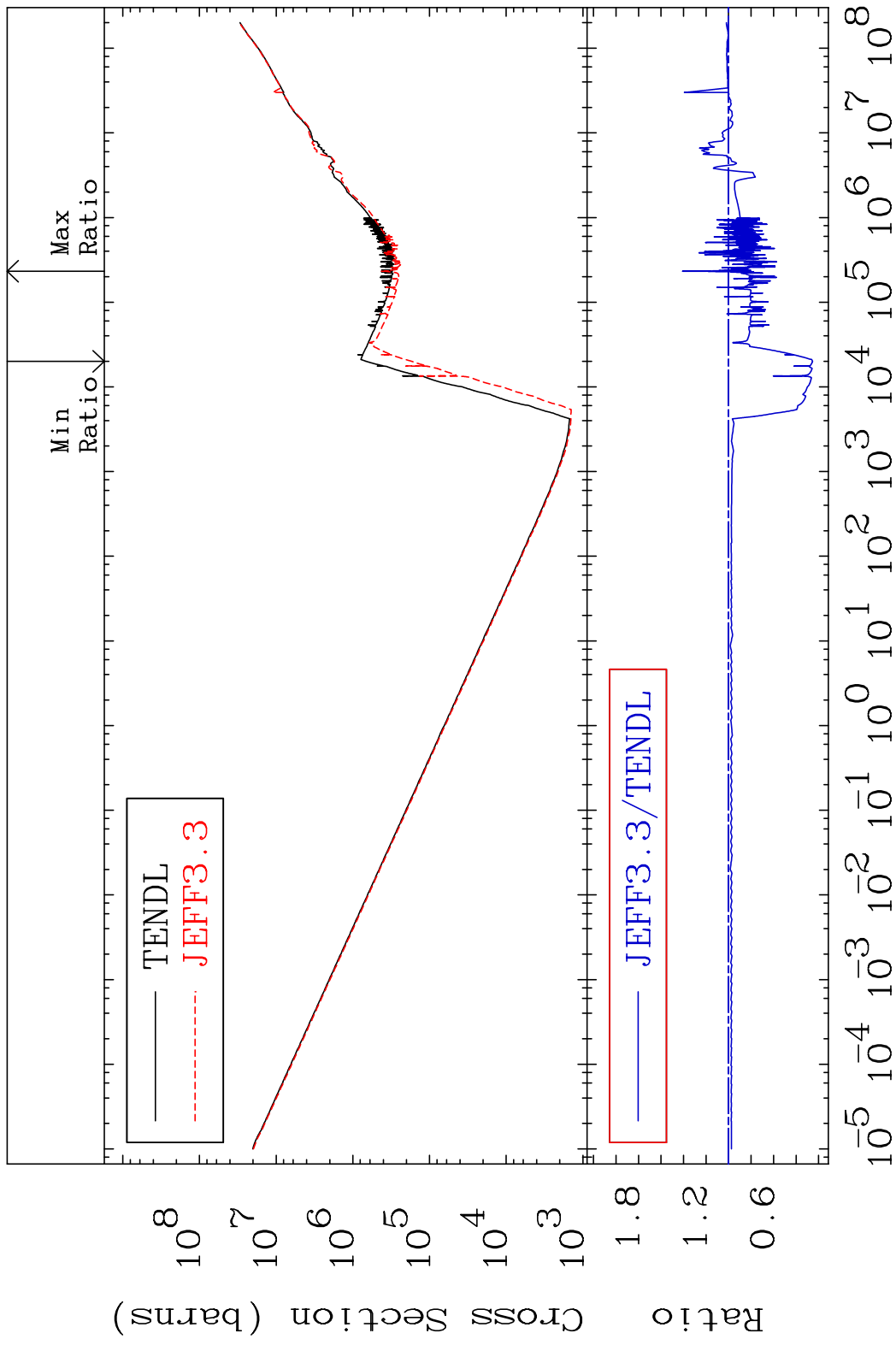
MAT 1628

He-4 Production
Cross Section

16-S -33
-74.18 To 22.41 %



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

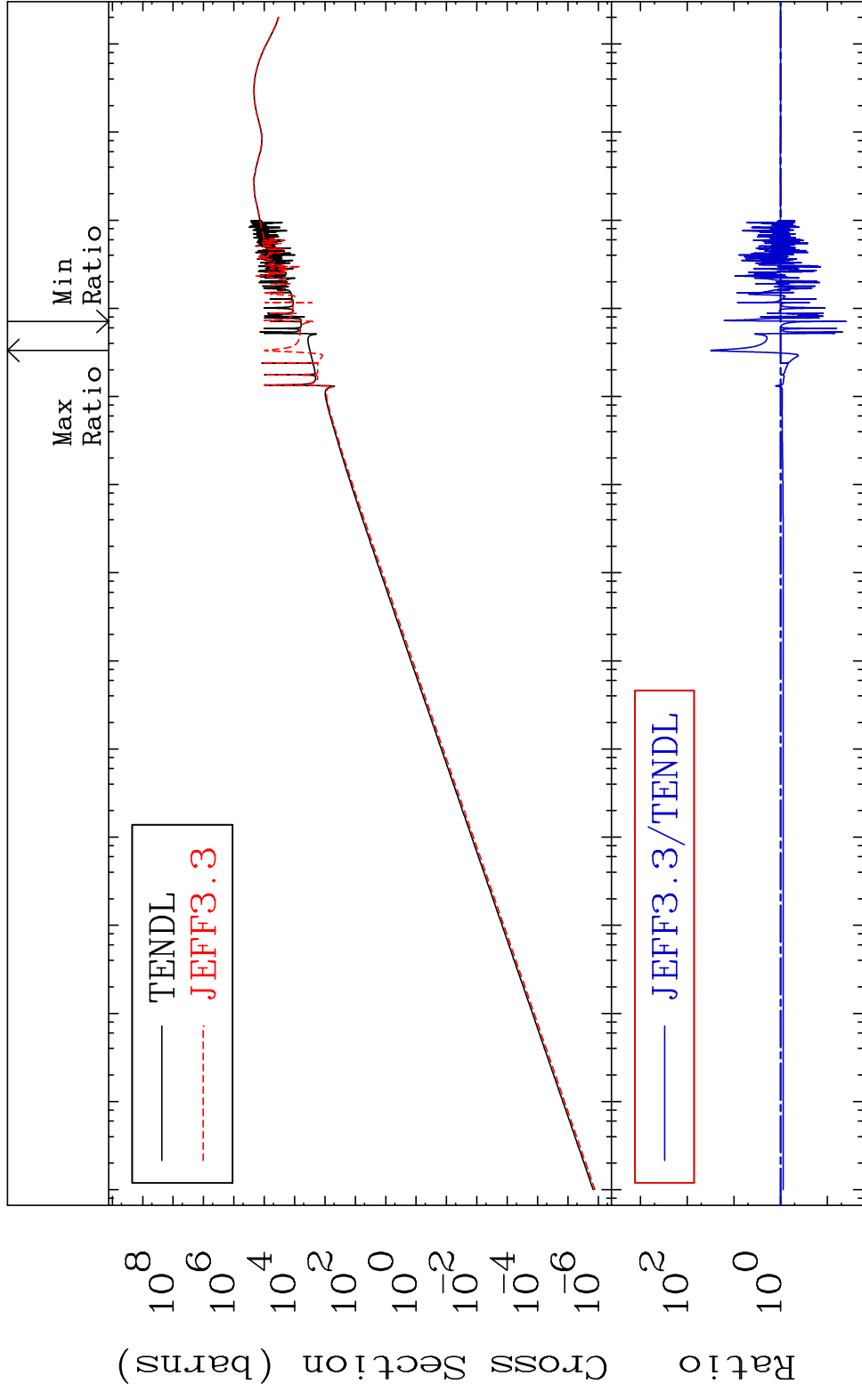


65 Incident Energy (eV) 16-S -33

MAT 1628

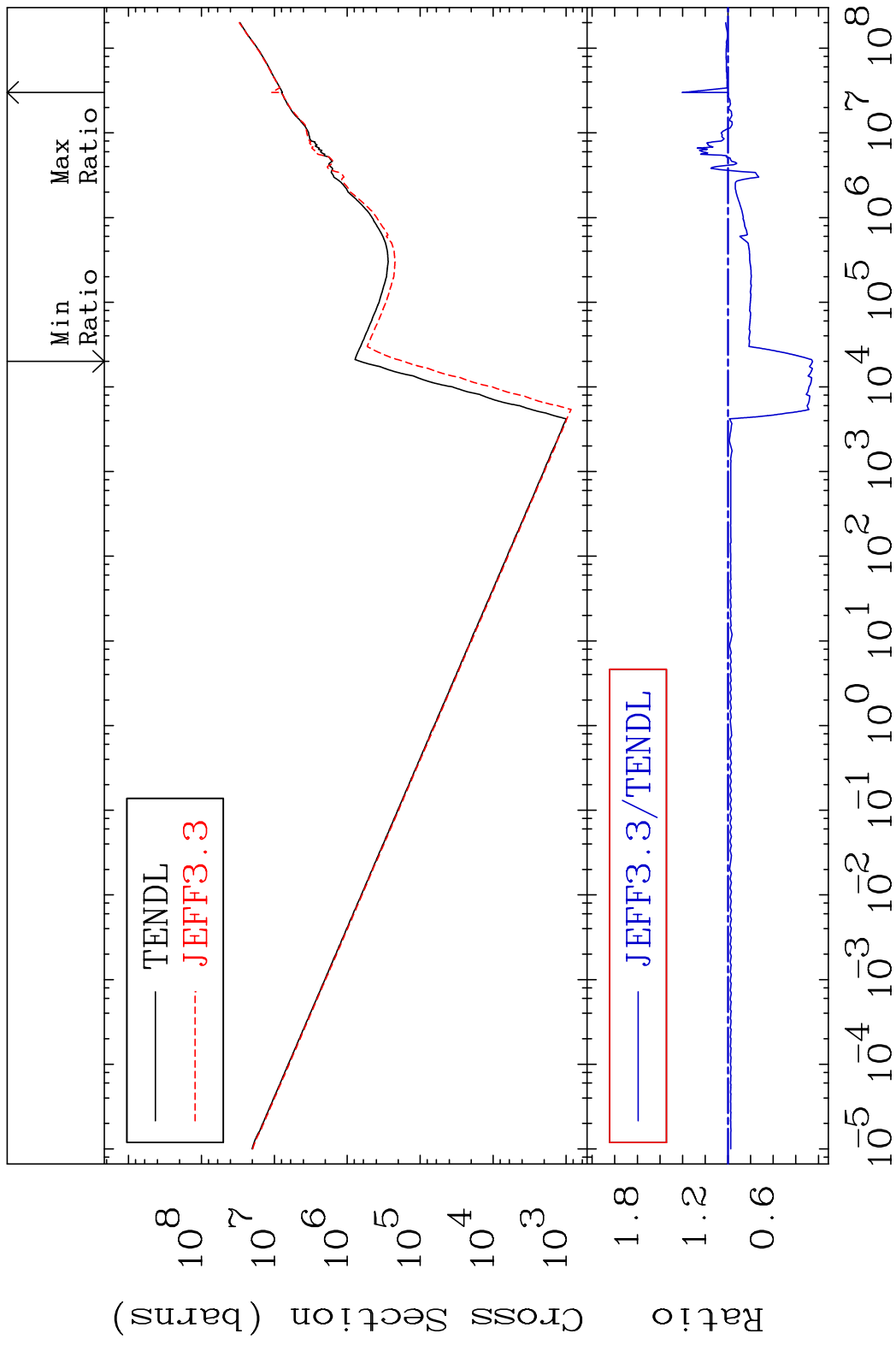
Kerma elastic
Cross Section

16-S -33
-96.08 To 3038. %

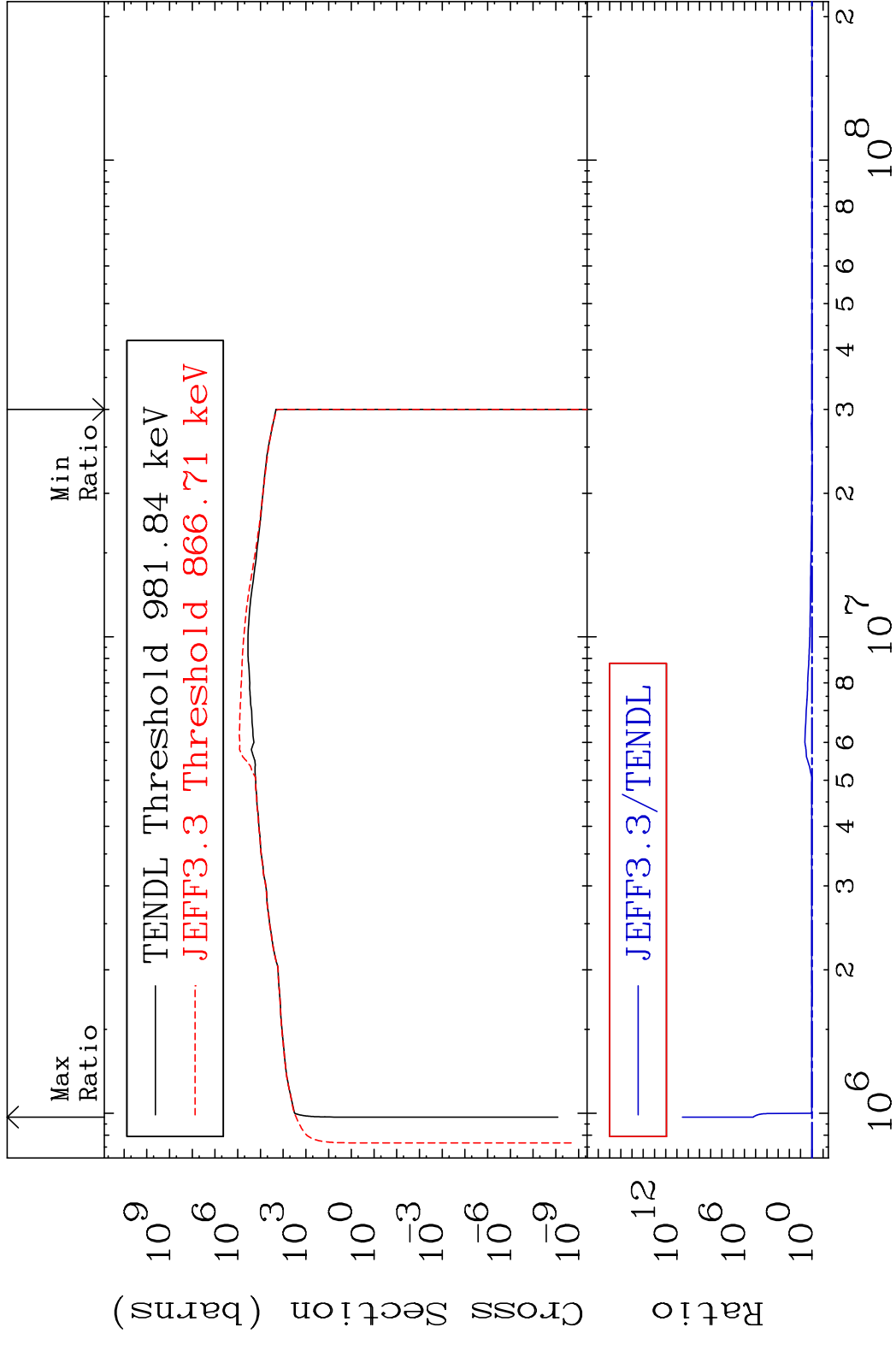


Incident Energy (eV)

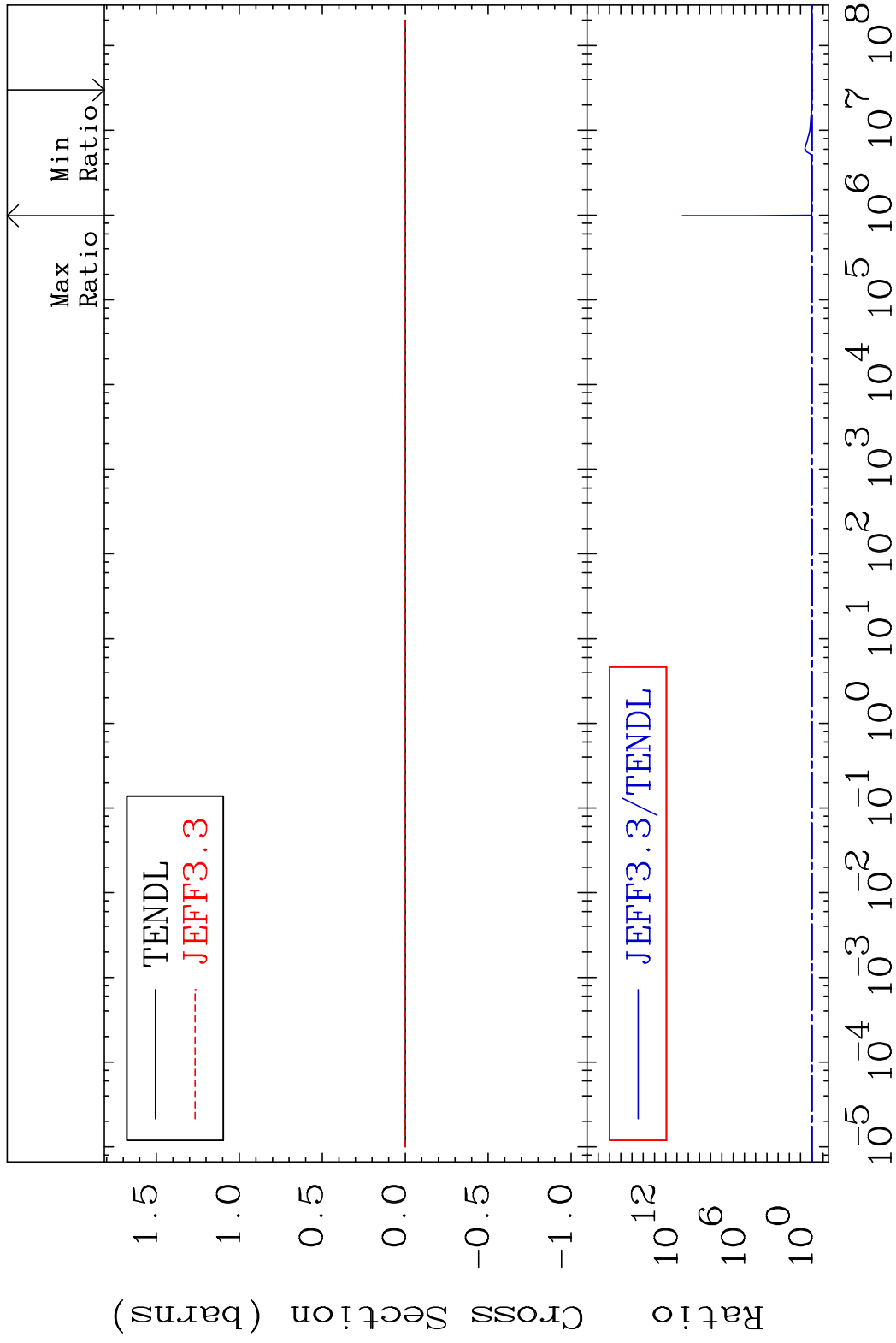
MAT 1628 Kerma non-elastic (all but mt2) 16-S -33
 Cross Section -74.81 To 40.26 %



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

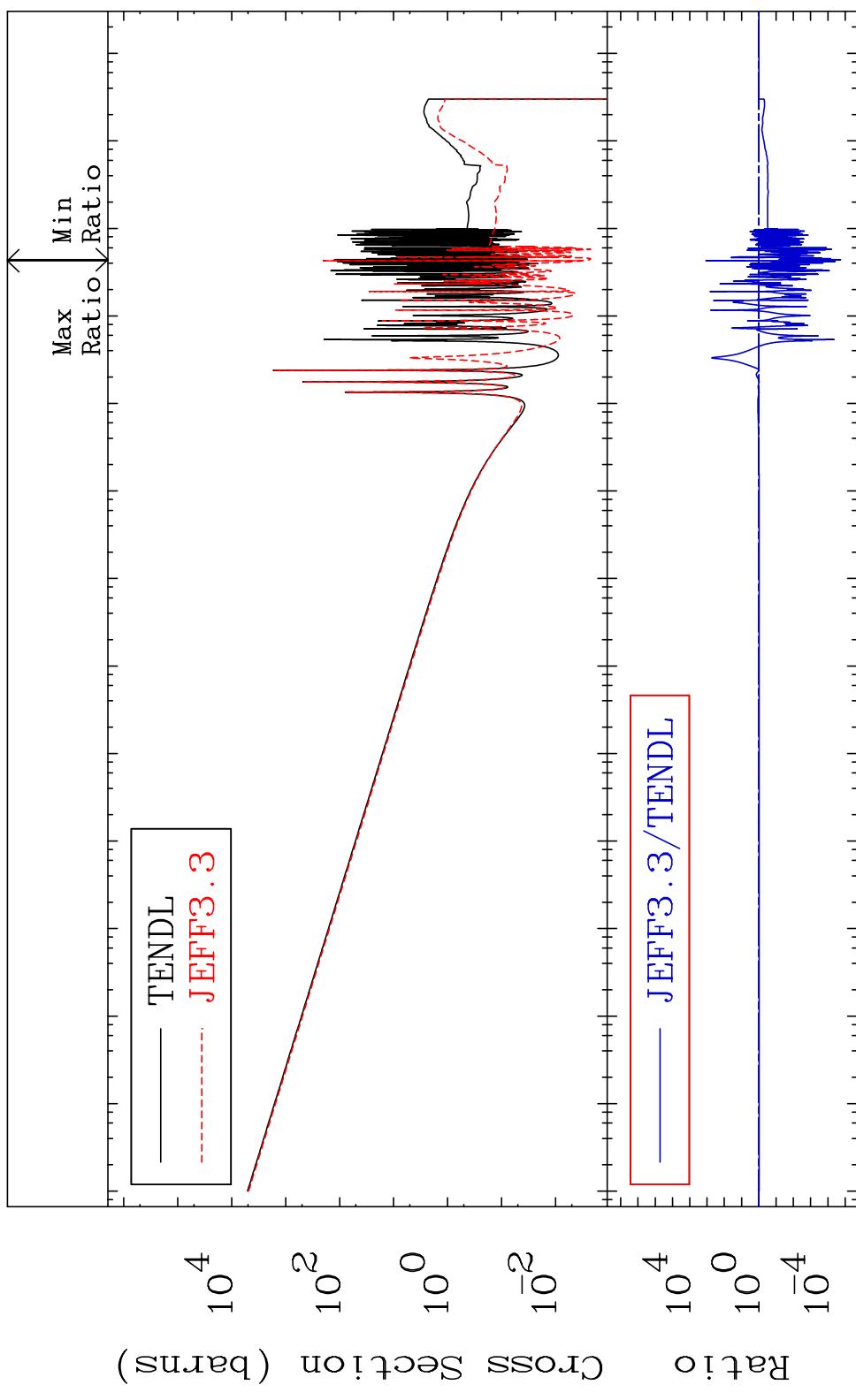


MAT 1628 Kerma fission (mt18 or mt19-20-21-38) 16-S -33
 Cross Section -13.54 To 9999. %



MAT 1628

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



70

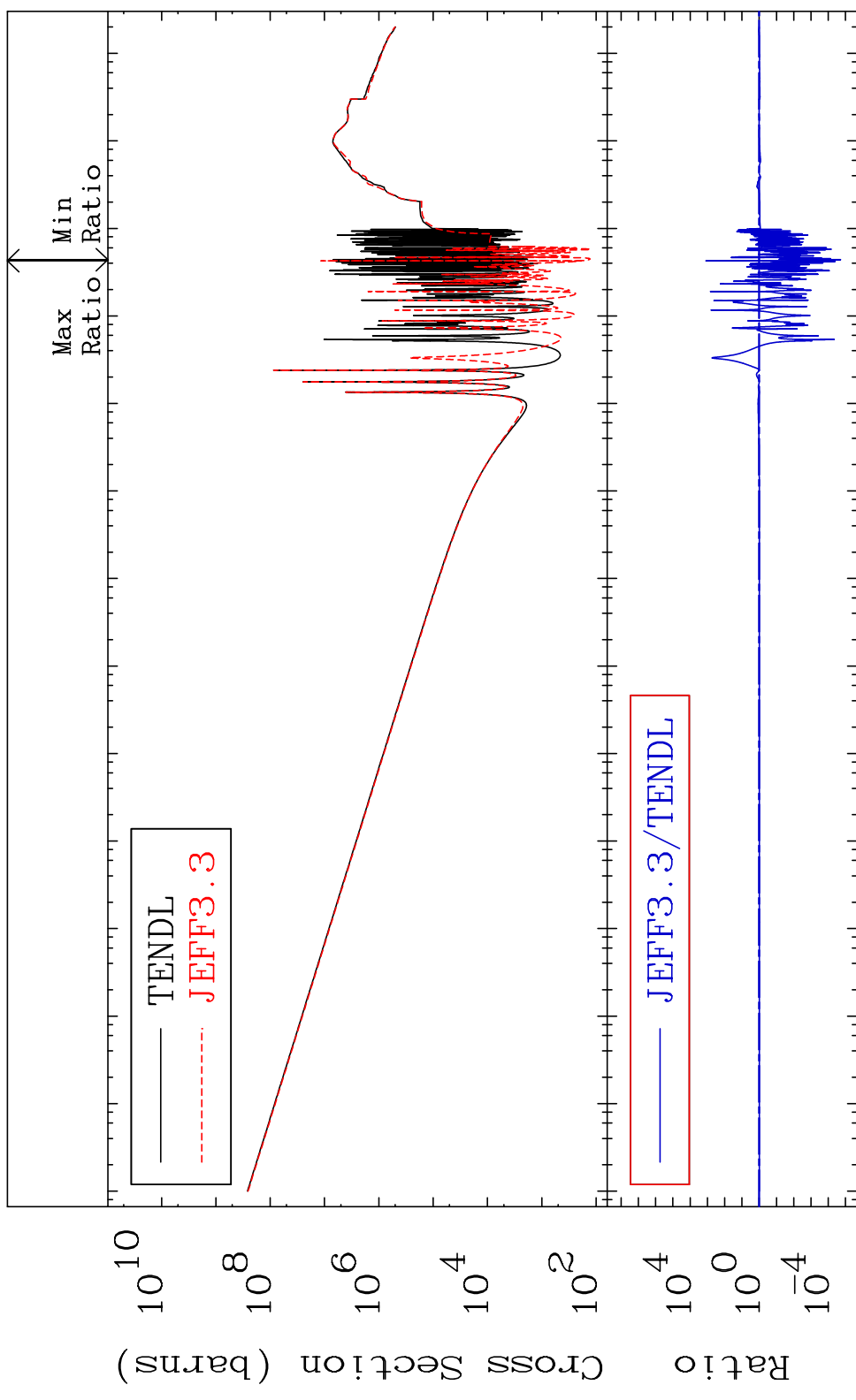
Incident Energy (eV) 16-S -33

MAT 1628

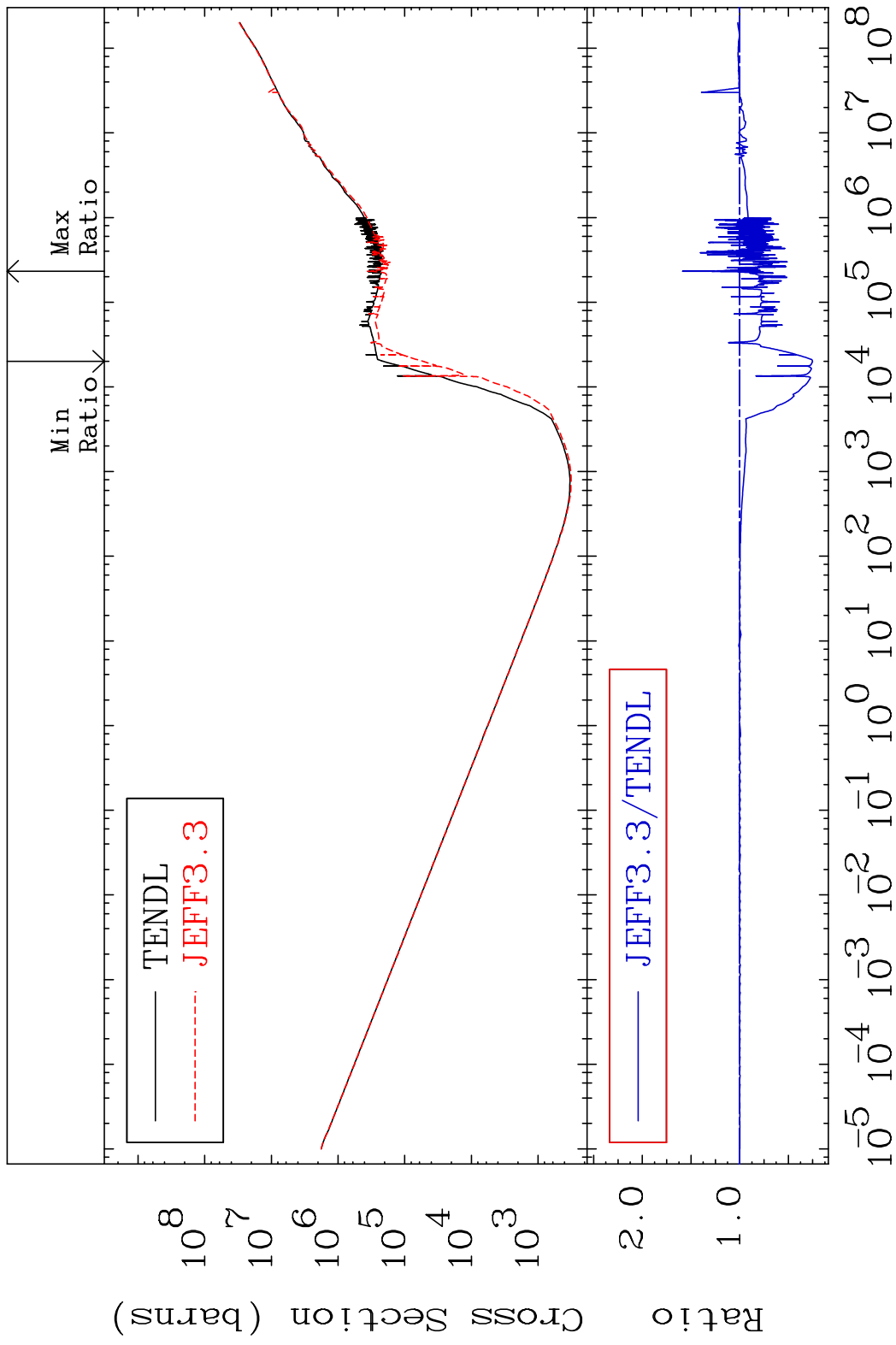
Total photon (eV-barns)

16-S -33

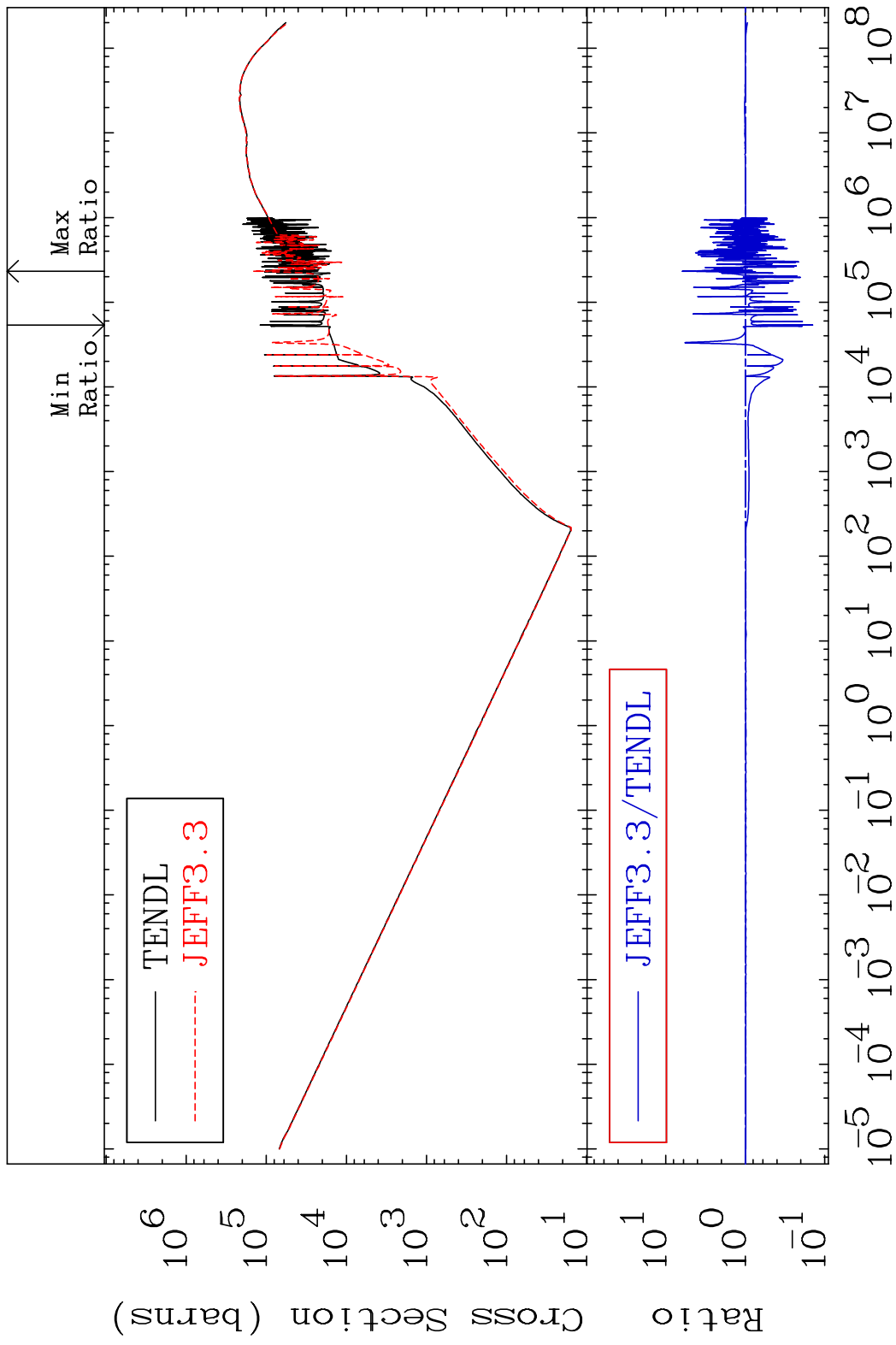
Cross Section -100.0 To 9999. %



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

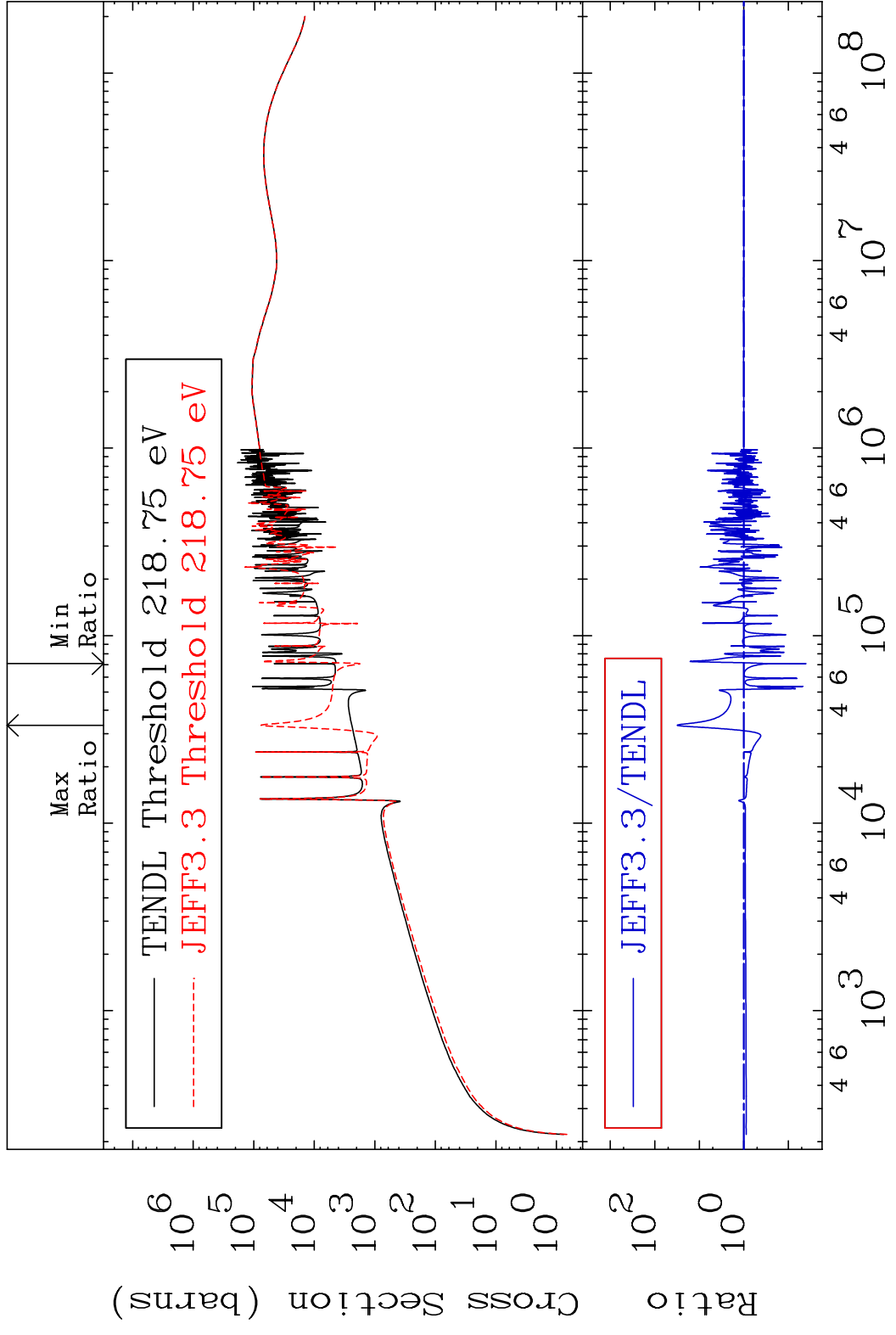


MAT 1628 Dpa total (eV-barns) 16-S -33
 Cross Section -85.75 To 519.6 %

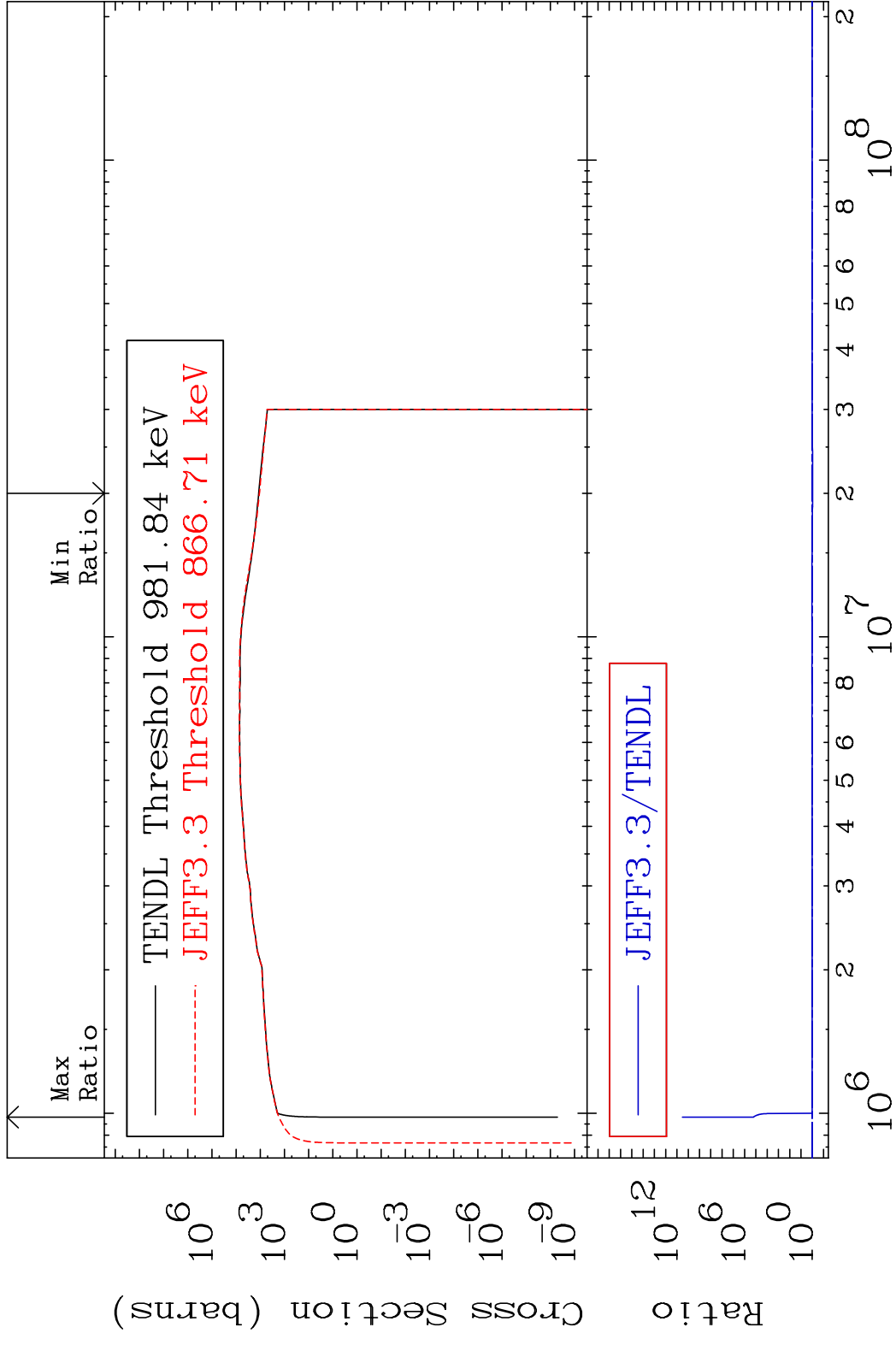


73 Incident Energy (eV) 16-S -33

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 %

