

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

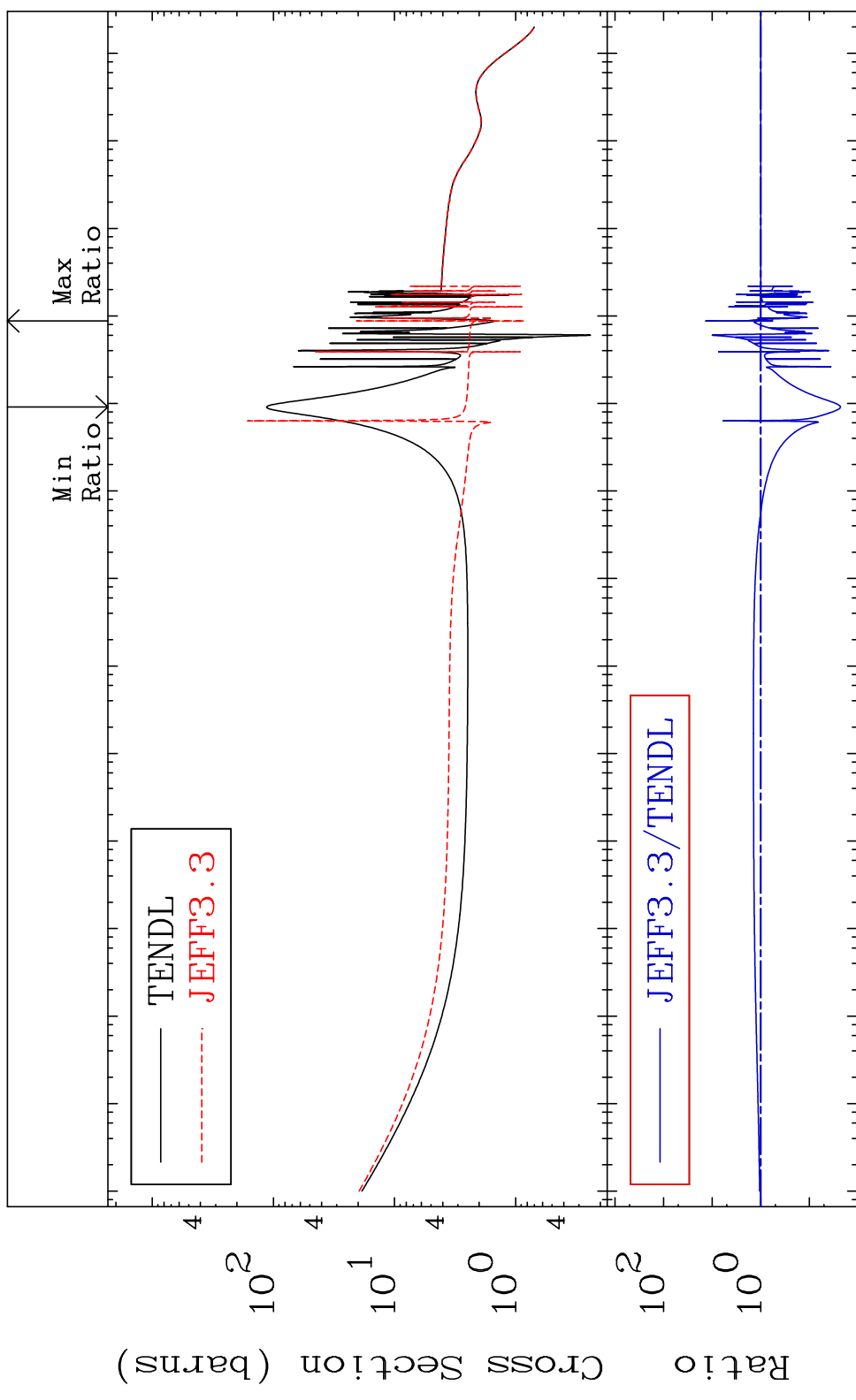
MAT 1634

Total

16-S -35

Cross Section

-97.70 To 1258. %



10²
10¹
10⁰
10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

1

Incident Energy (eV)

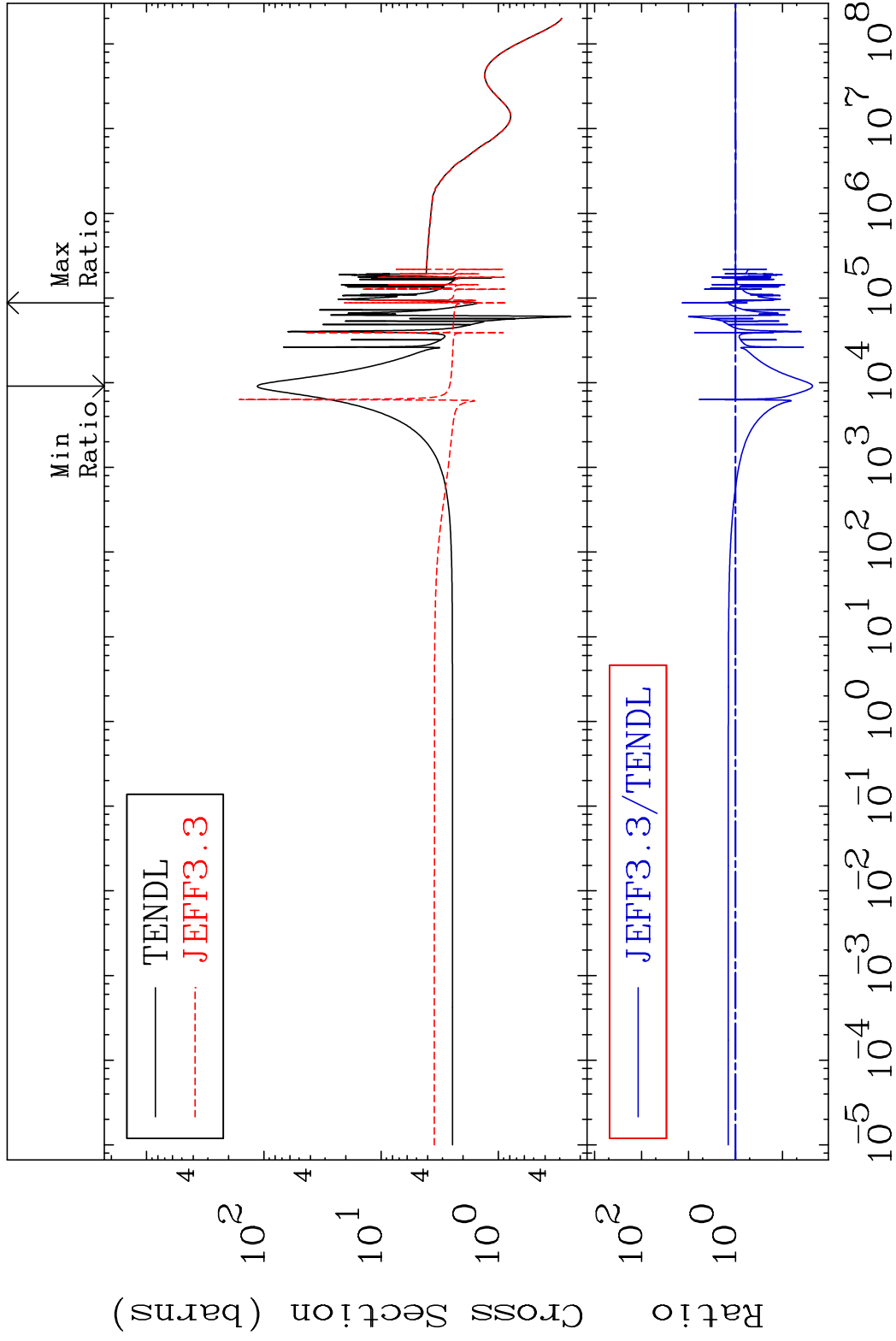
16-S -35

MAT 1634

Elastic

16-S -35

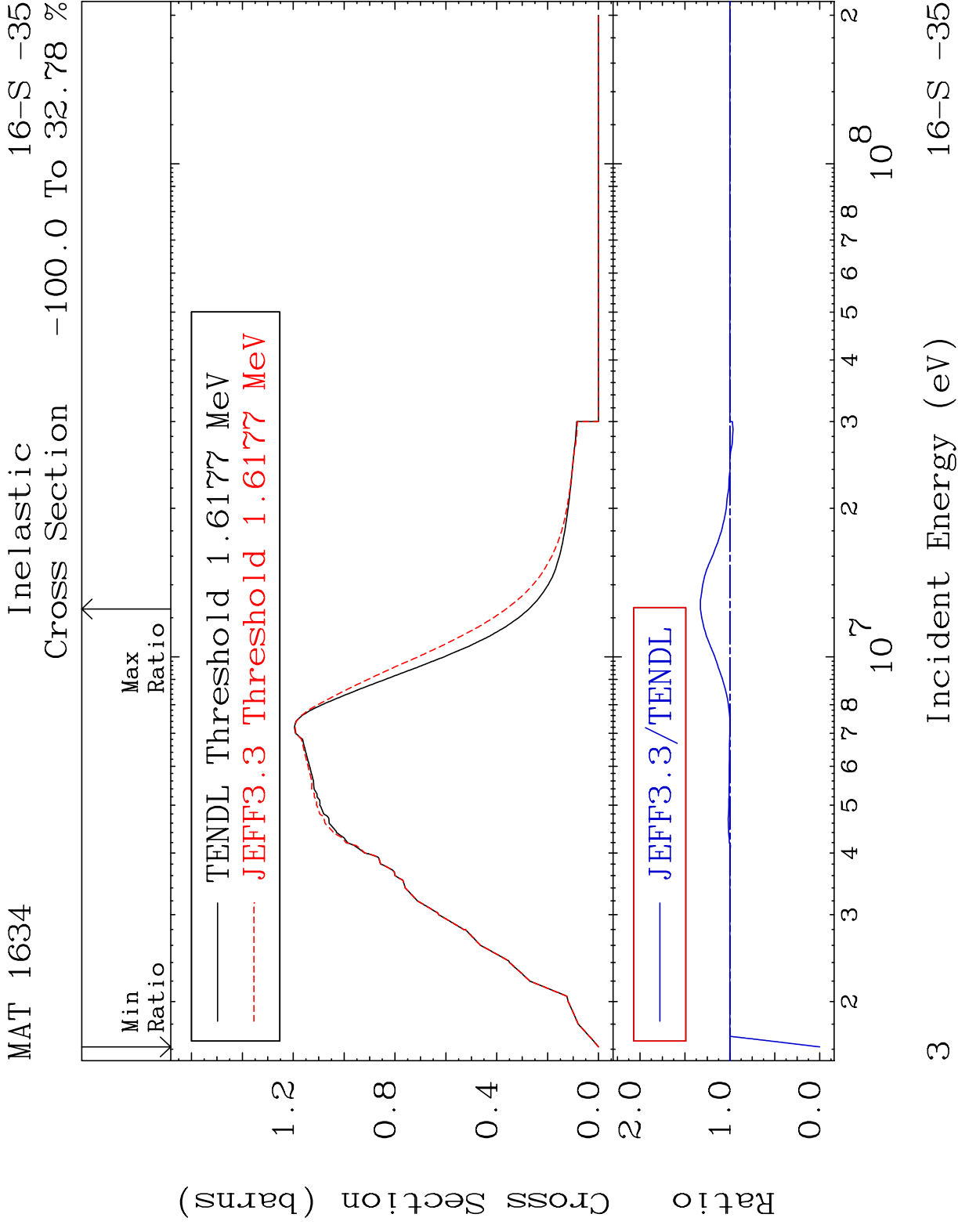
Cross Section -97.70 To 1257. %



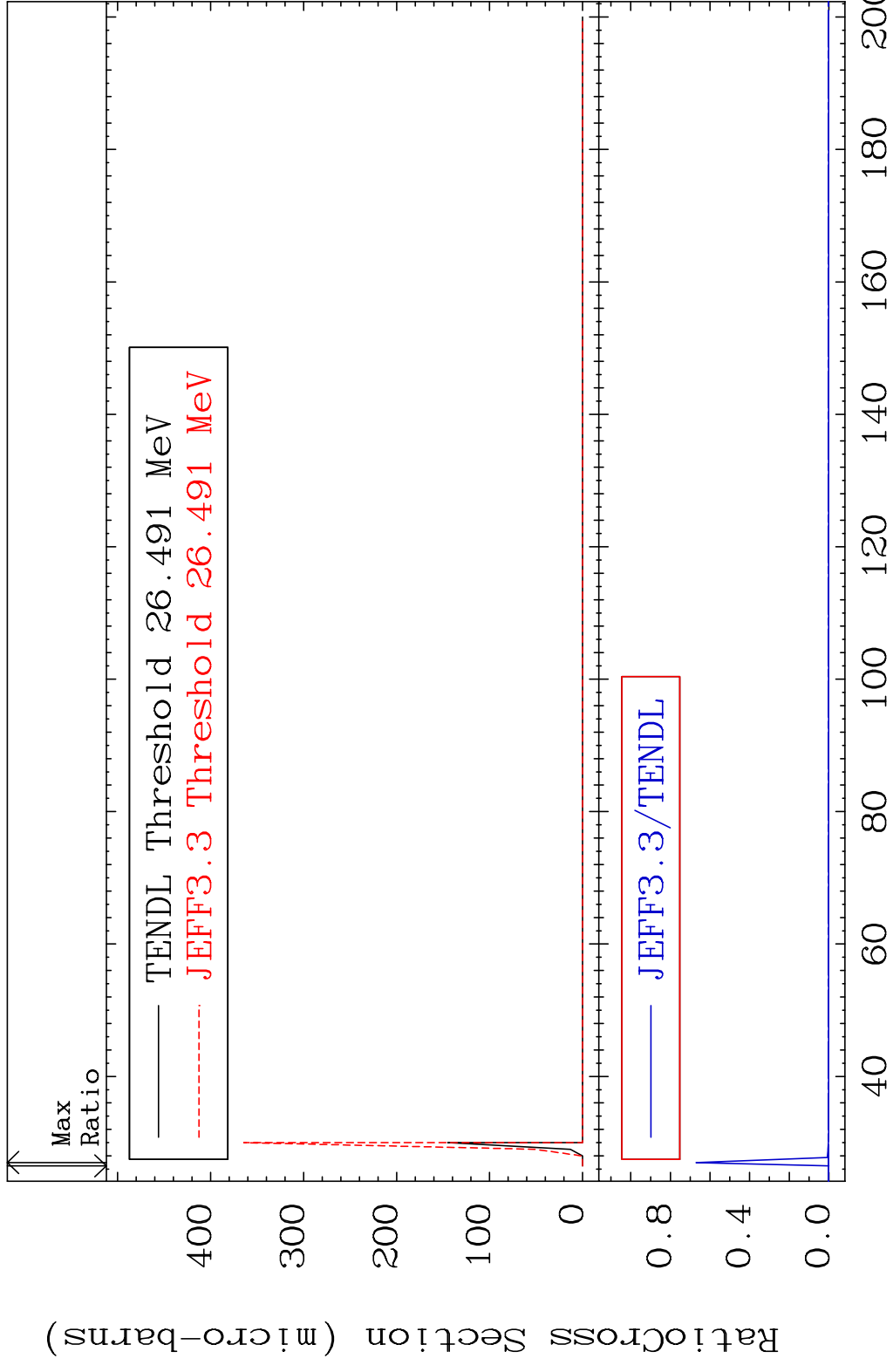
2

Incident Energy (eV)

16-S -35

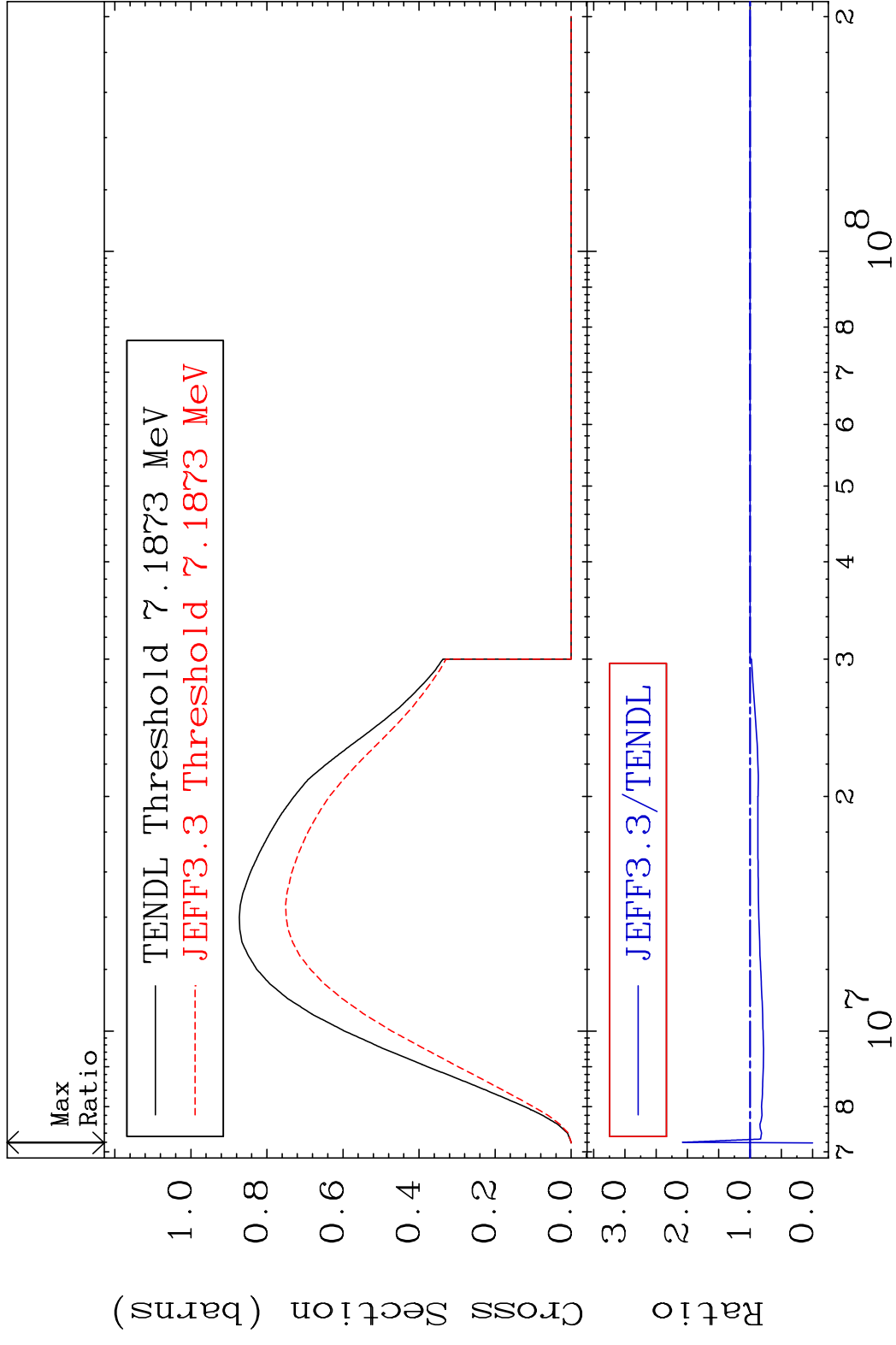


MAT 1634 (n,2n) d 16-S -35
Cross Section -100.0 To 9999. %



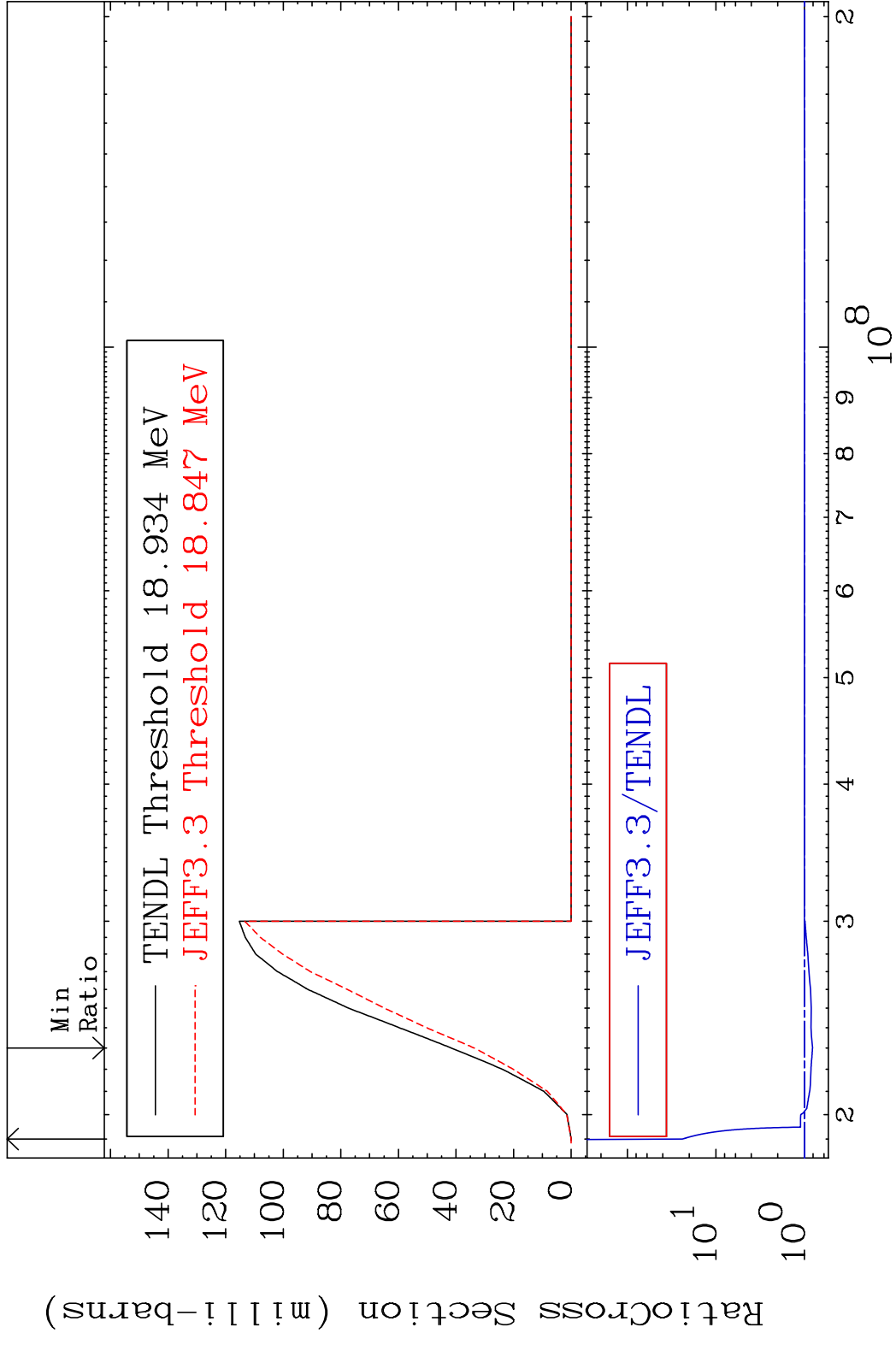
4 Incident Energy (MeV) 16-S -35

MAT 1634 (n,2n) 16-S -35
 Cross Section -100.0 To 108.2 %

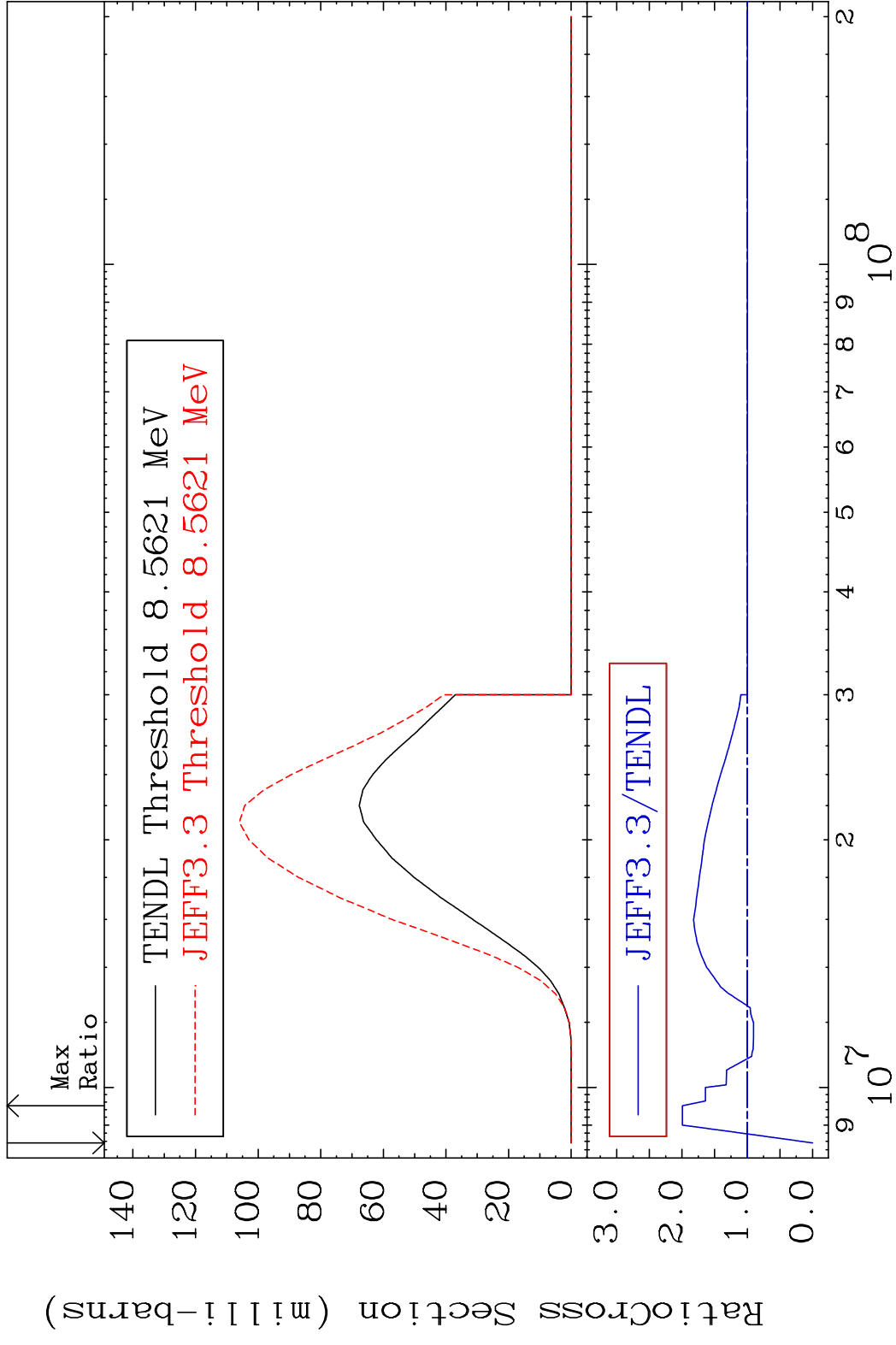


5 16-S -35

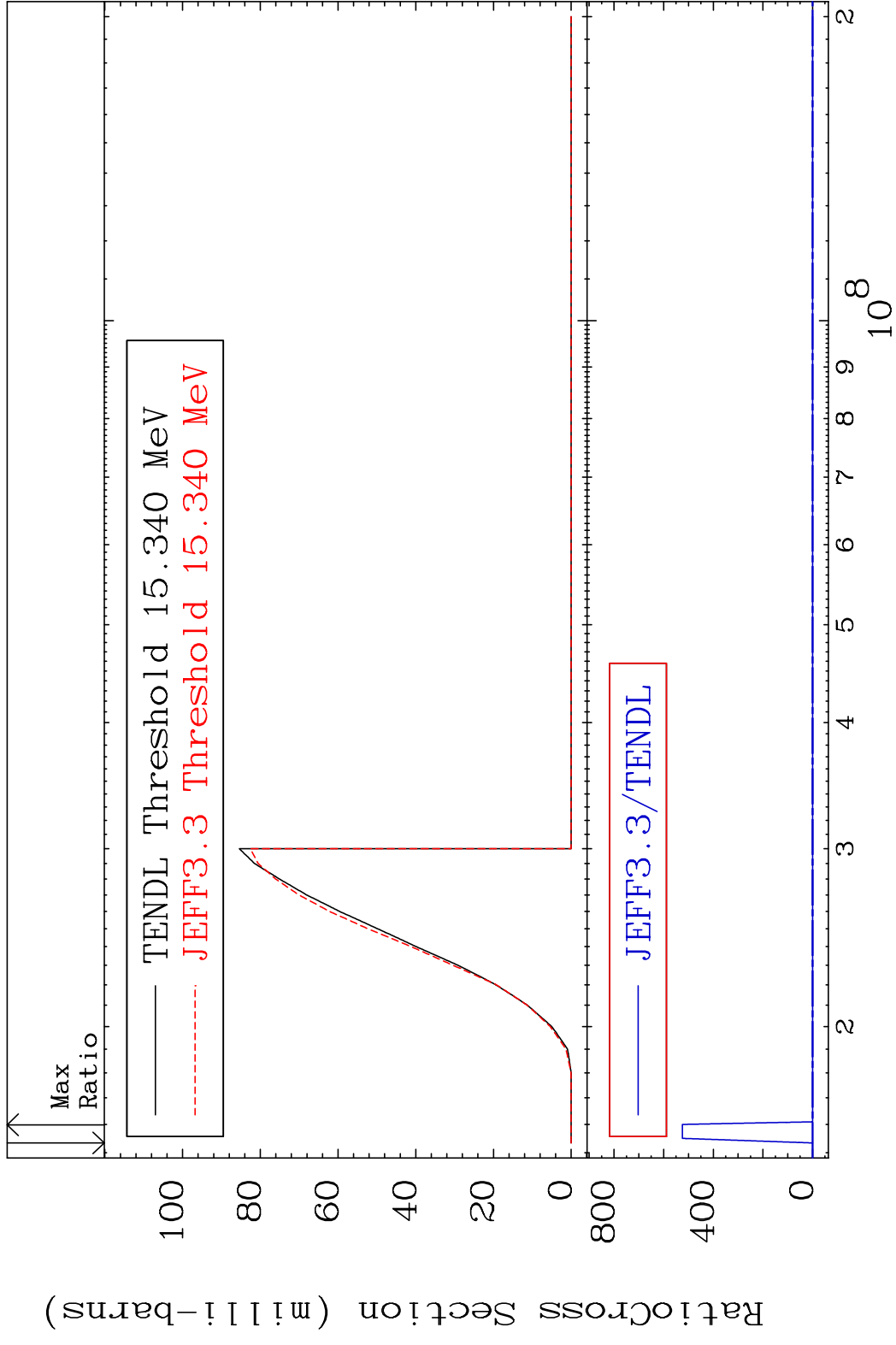
MAT 1634 (n,3n) 16-S -35
 Cross Section -19.11 To 2298. %



MAT 1634 (n, n') α 16-S -35
 Cross Section -100.0 To 99.44 %

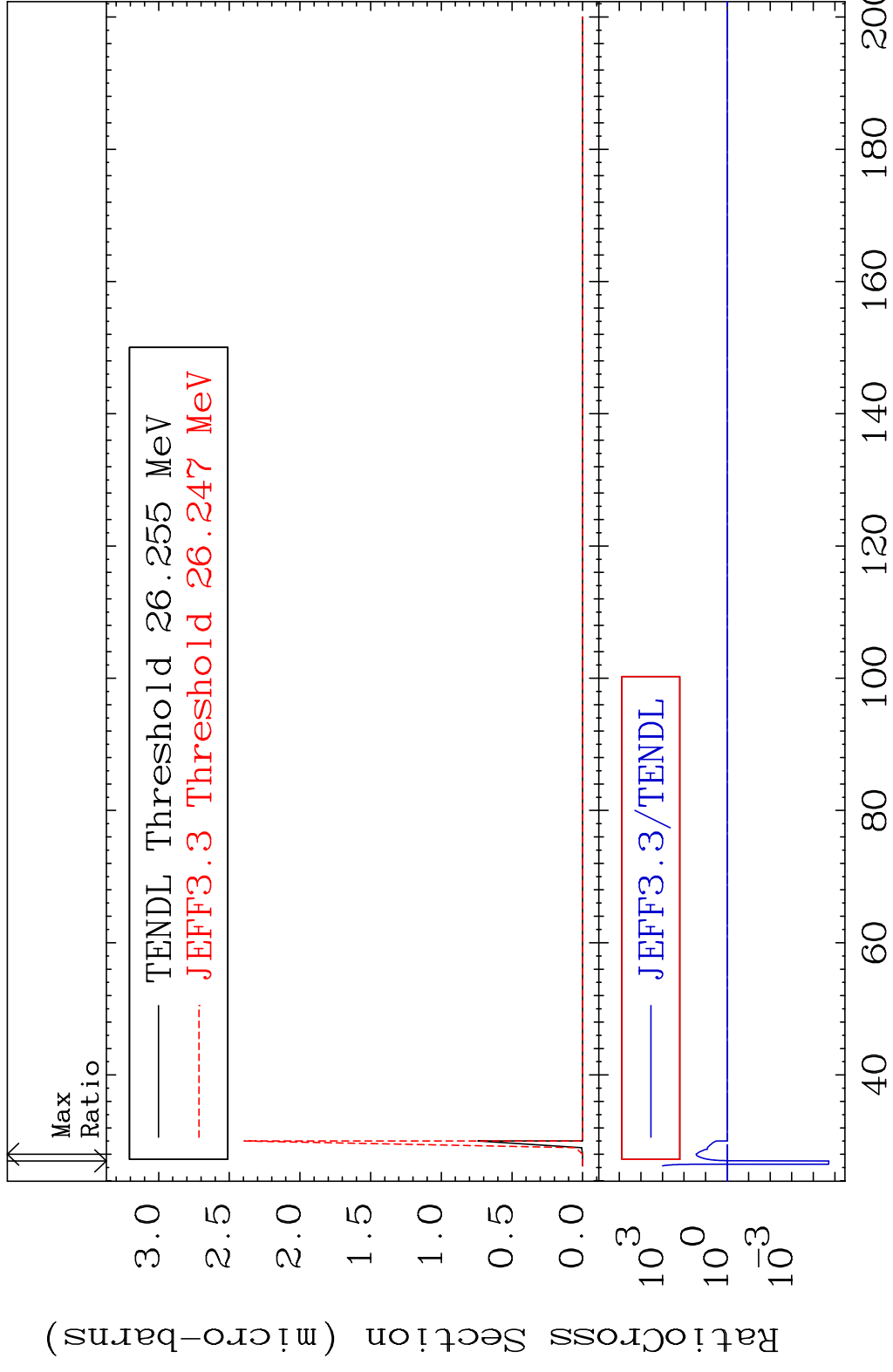


MAT 1634 (n,2n) α 16-S -35
 Cross Section -100.0 To 9999. %



8 16-S -35

MAT 1634 (n,3n) α 16-S -35
 Cross Section -100.0 To 2677. %

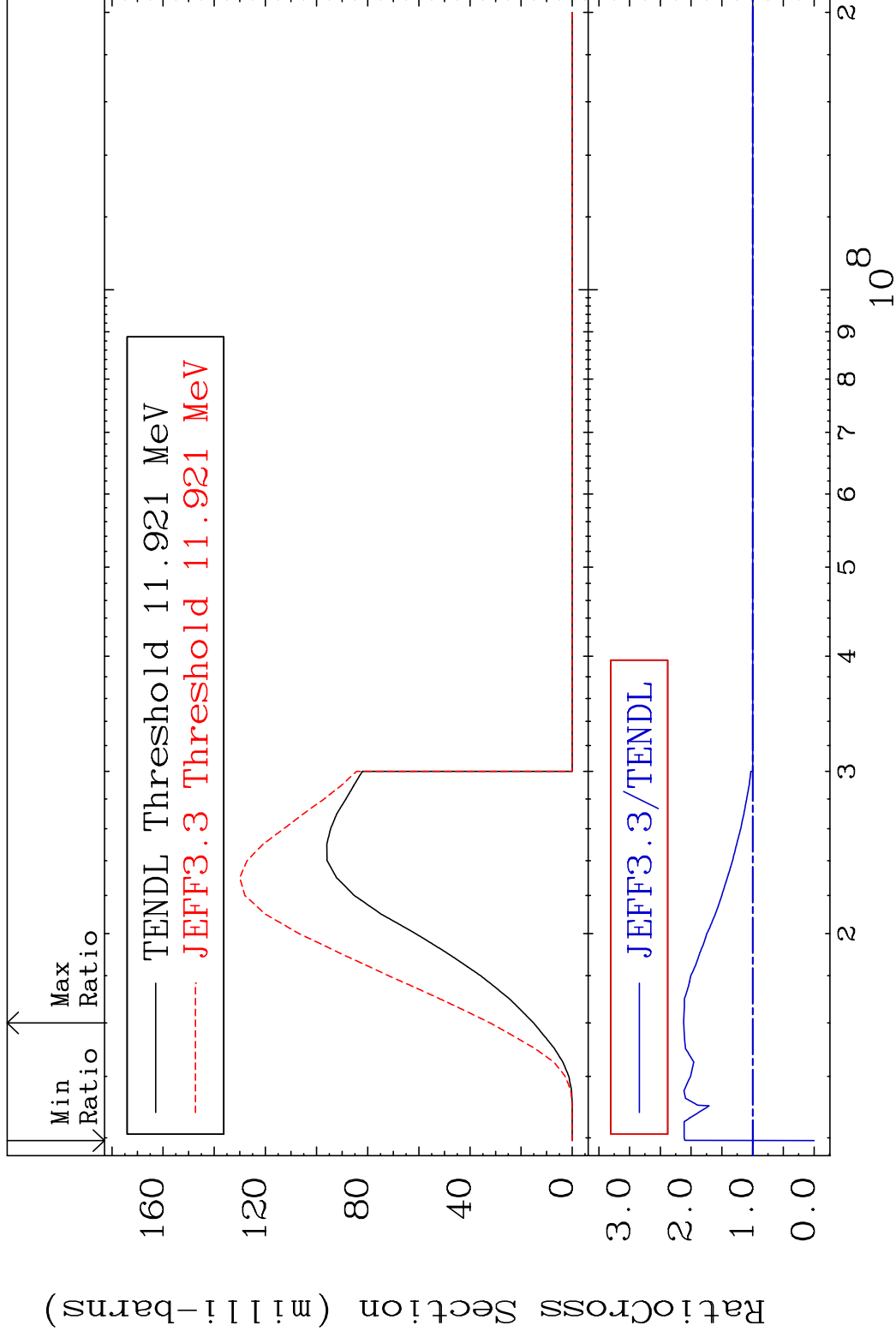


MAT 1634

(n, n') p

16-S -35

Cross Section -100.0 To 112.1 %

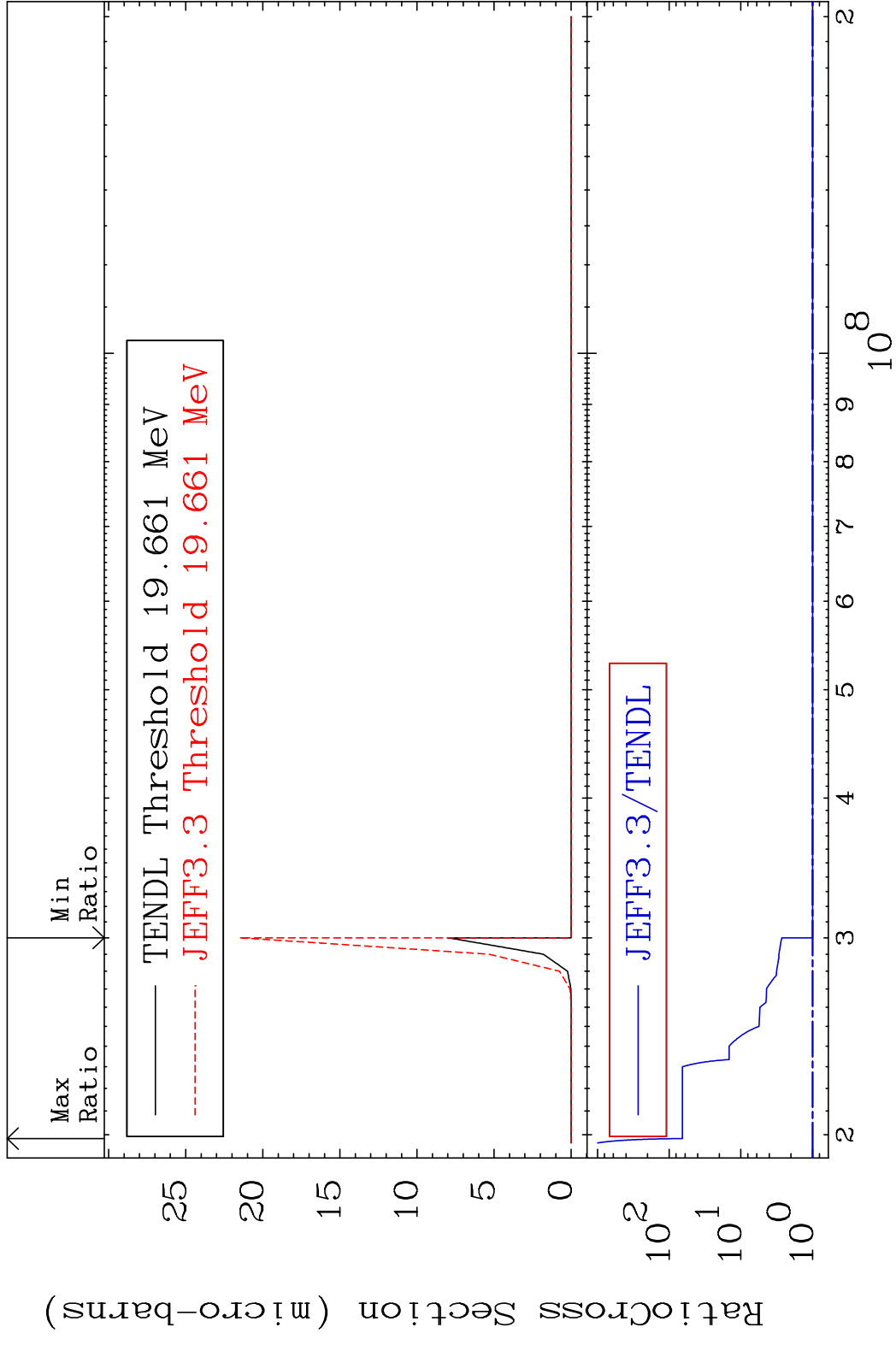


10

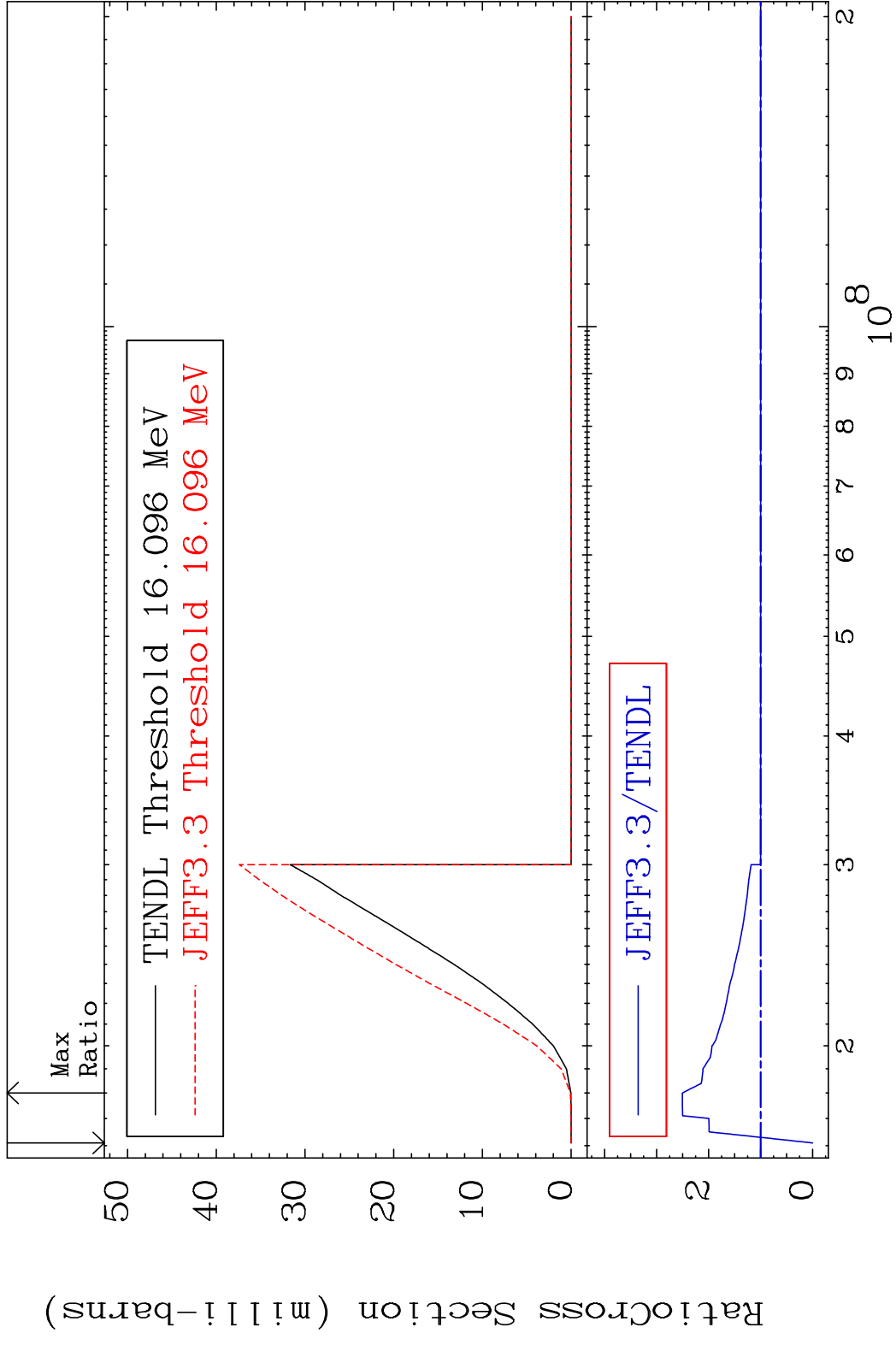
Incident Energy (eV)

16-S -35

MAT 1634 (n, n') 2α 16-S -35
 Cross Section 0.000 To 6446. %



MAT 1634 (n, n') d 16-S -35
 Cross Section -100.0 To 150.4 %

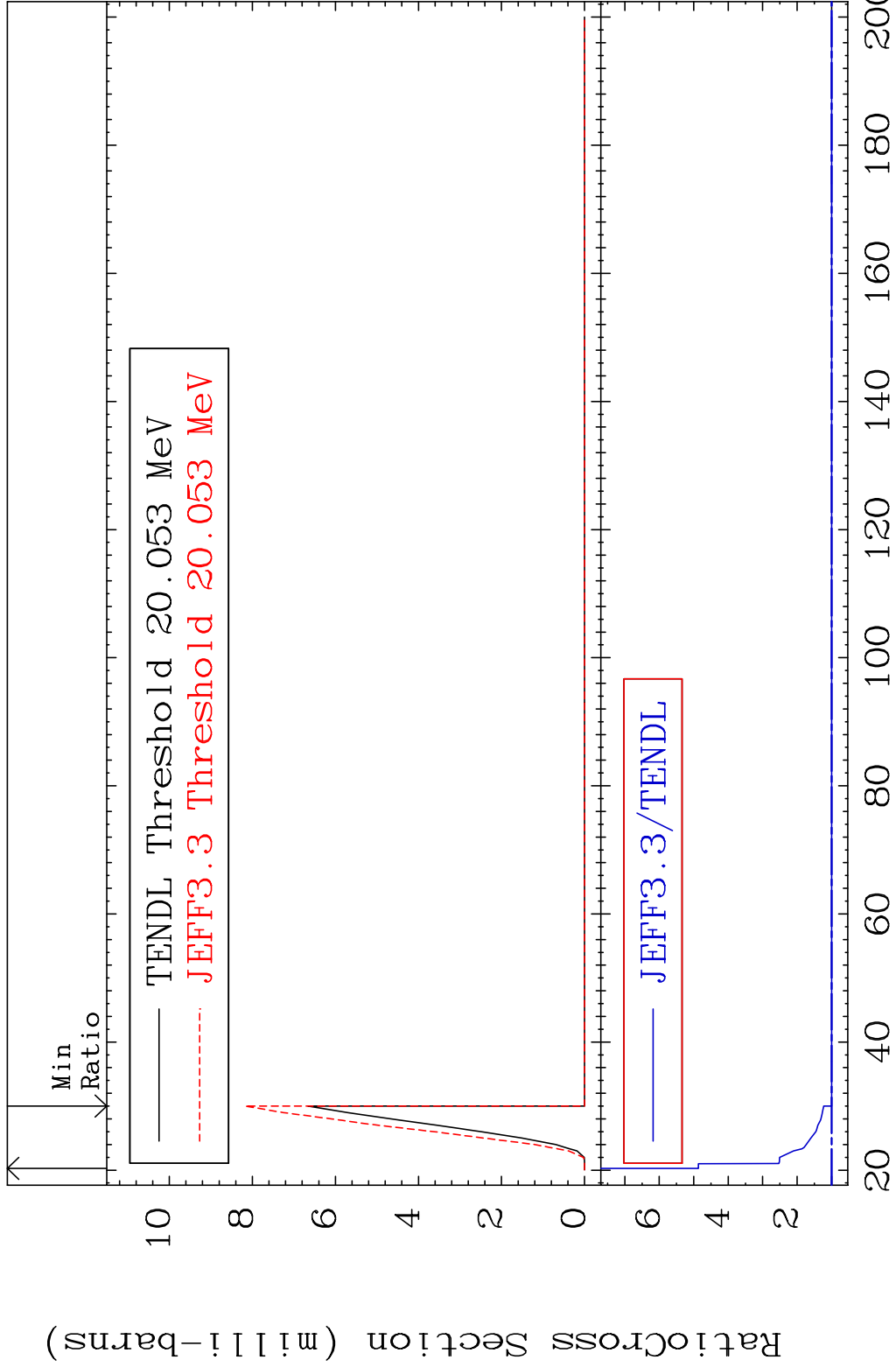


MAT 1634

(n, n') t

16-S -35

Cross Section 0.000 To 386.6 %



13

Incident Energy (MeV)

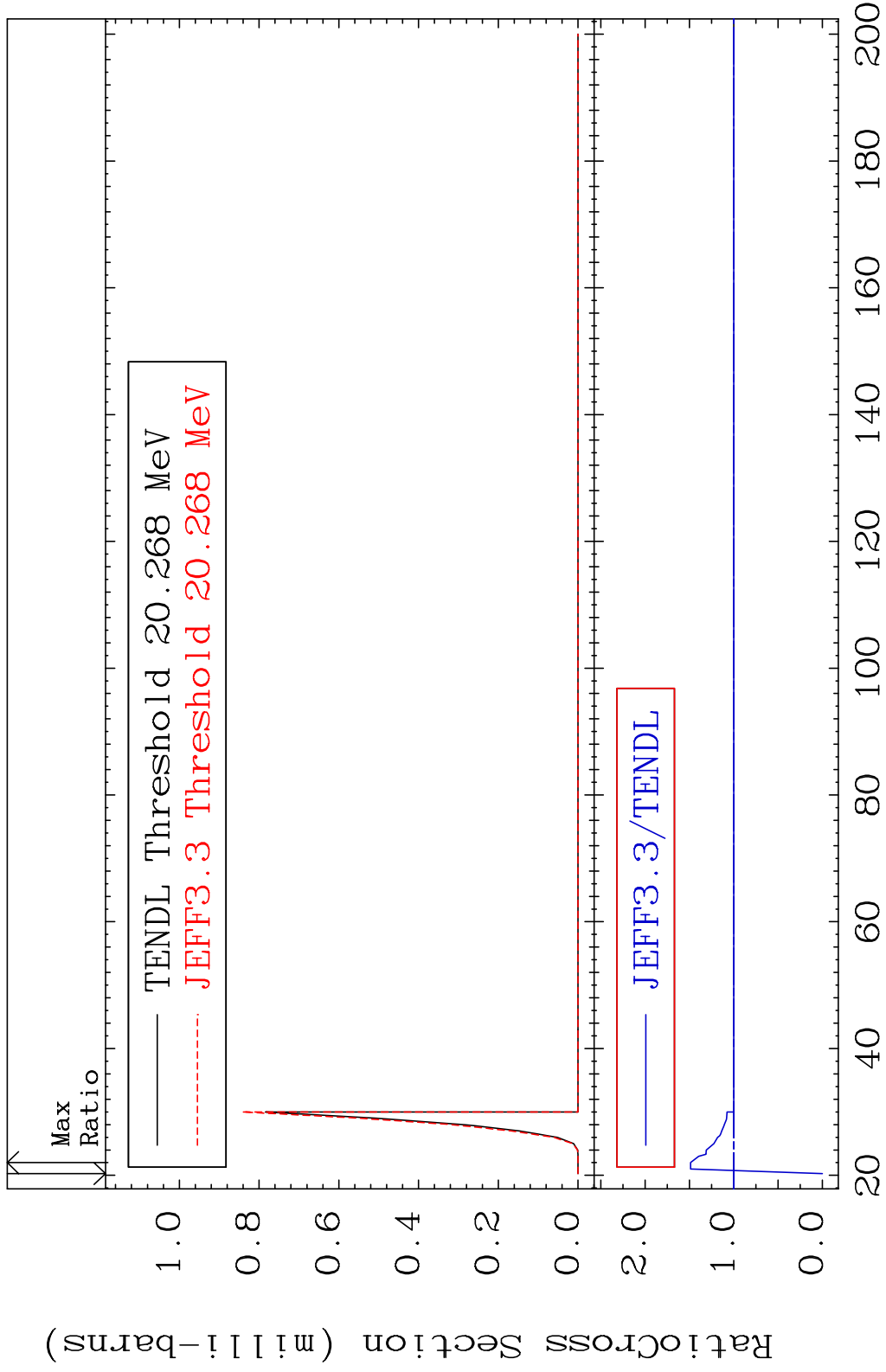
16-S -35

MAT 1634

(n,n') He-3

16-S -35

Cross Section -100.0 To 48.69 %

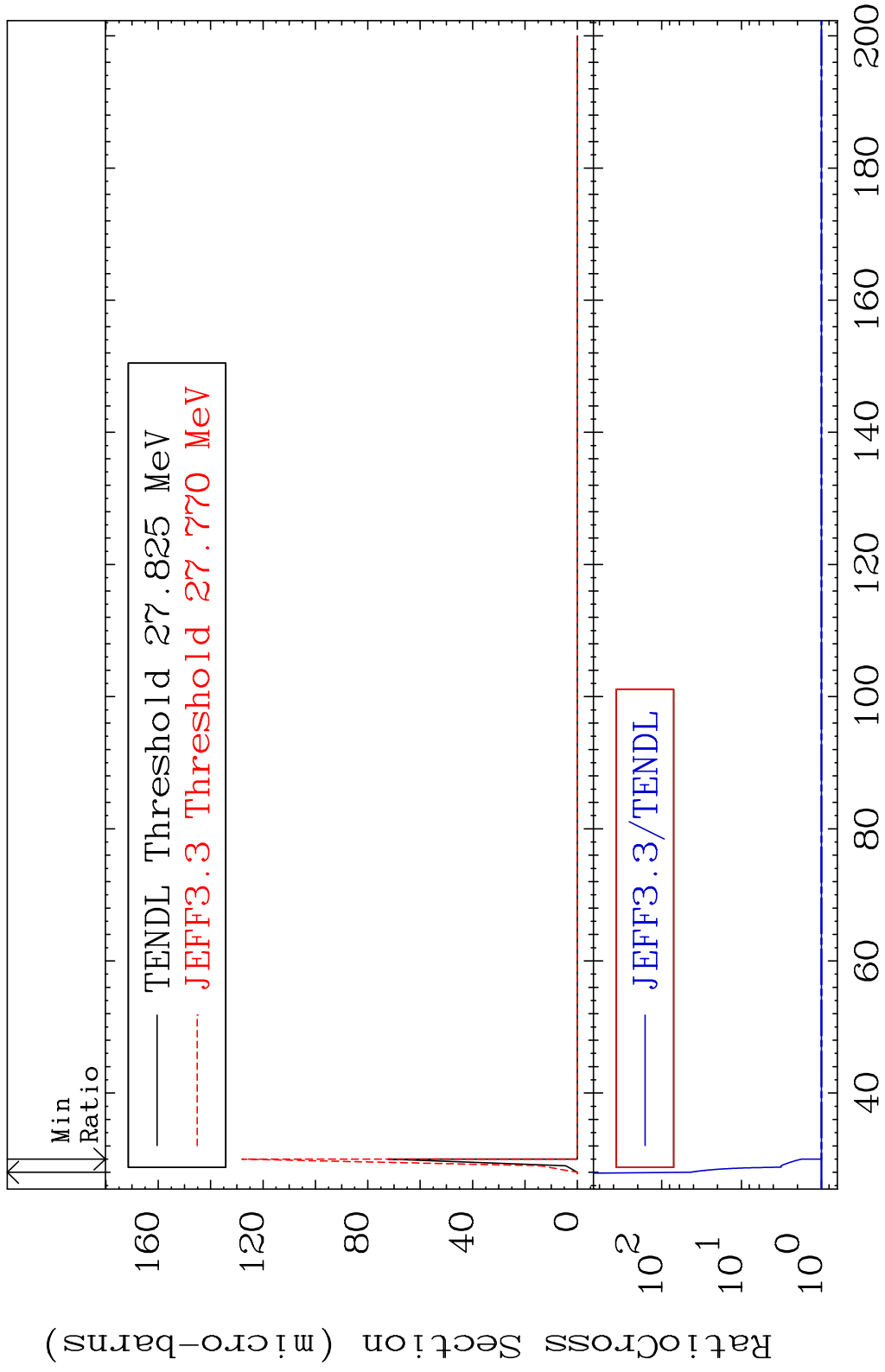


14

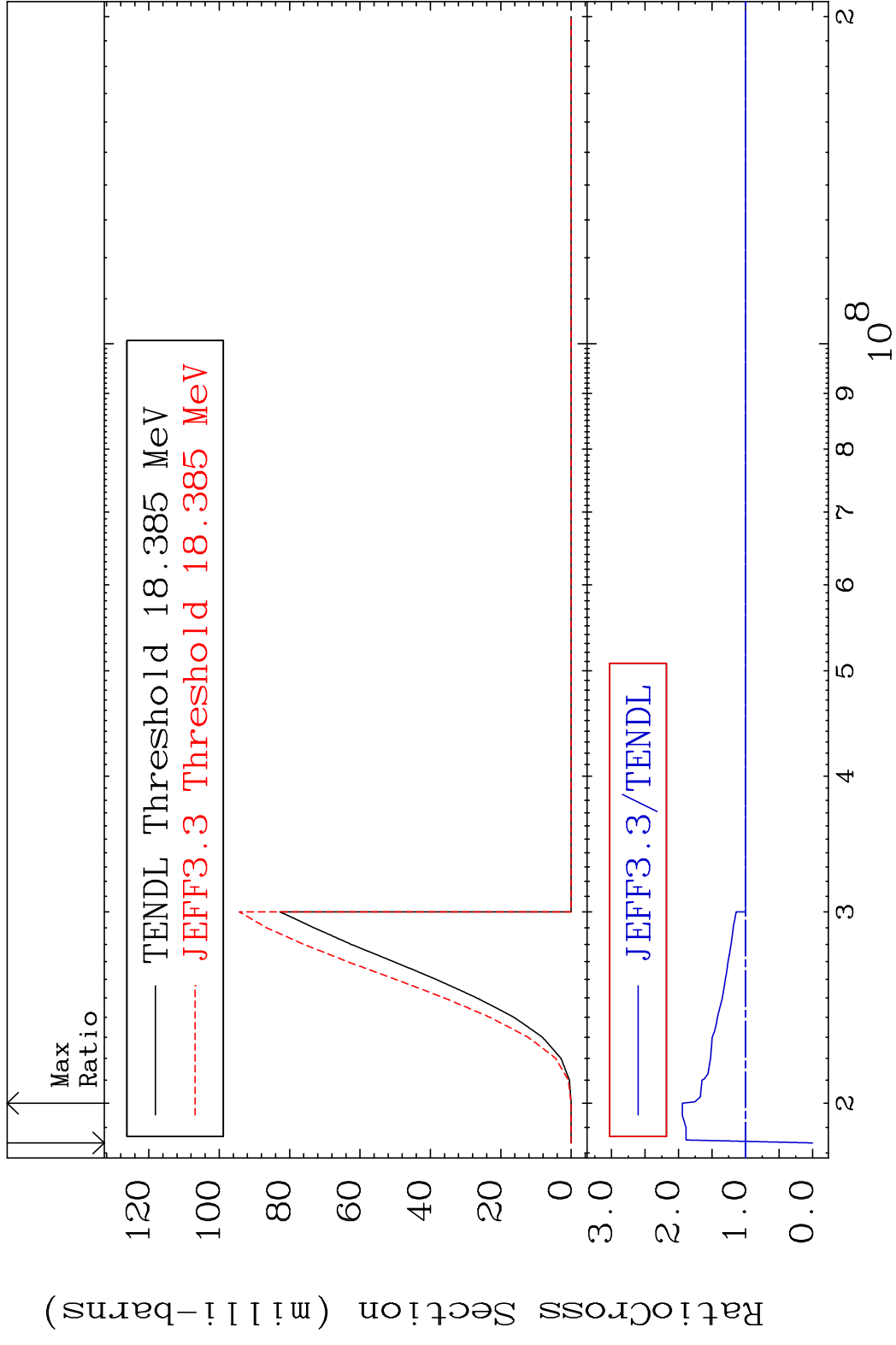
Incident Energy (MeV)

16-S -35

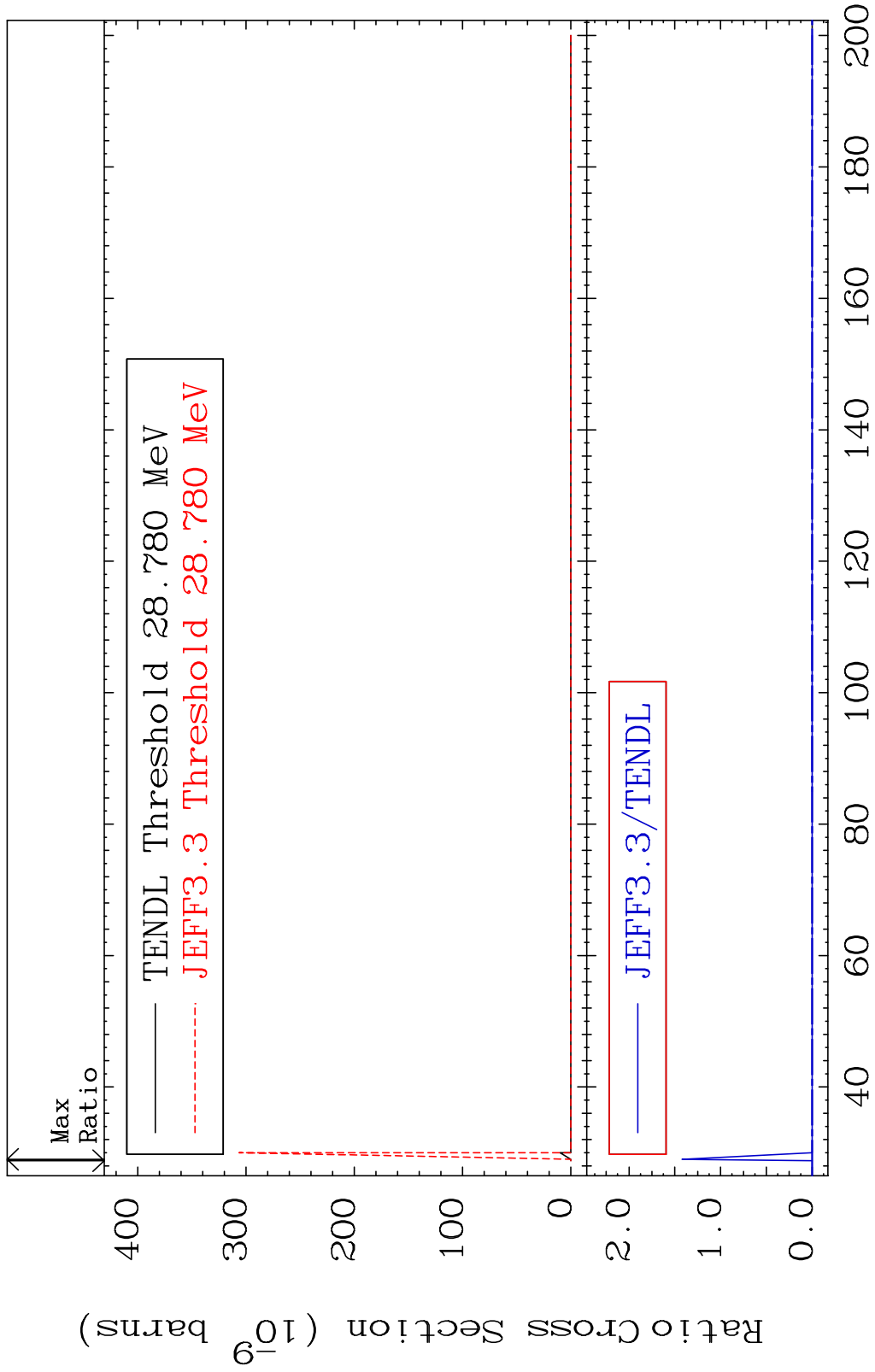
MAT 1634 (n,4n) 16-S -35
 Cross Section 0.000 To 4348. %



MAT 1634 (n,2n) p 16-S -35
 Cross Section -100.0 To 94.27 %



MAT 1634 (n,3n) p 16-S -35
Cross Section -100.0 To 9999. %



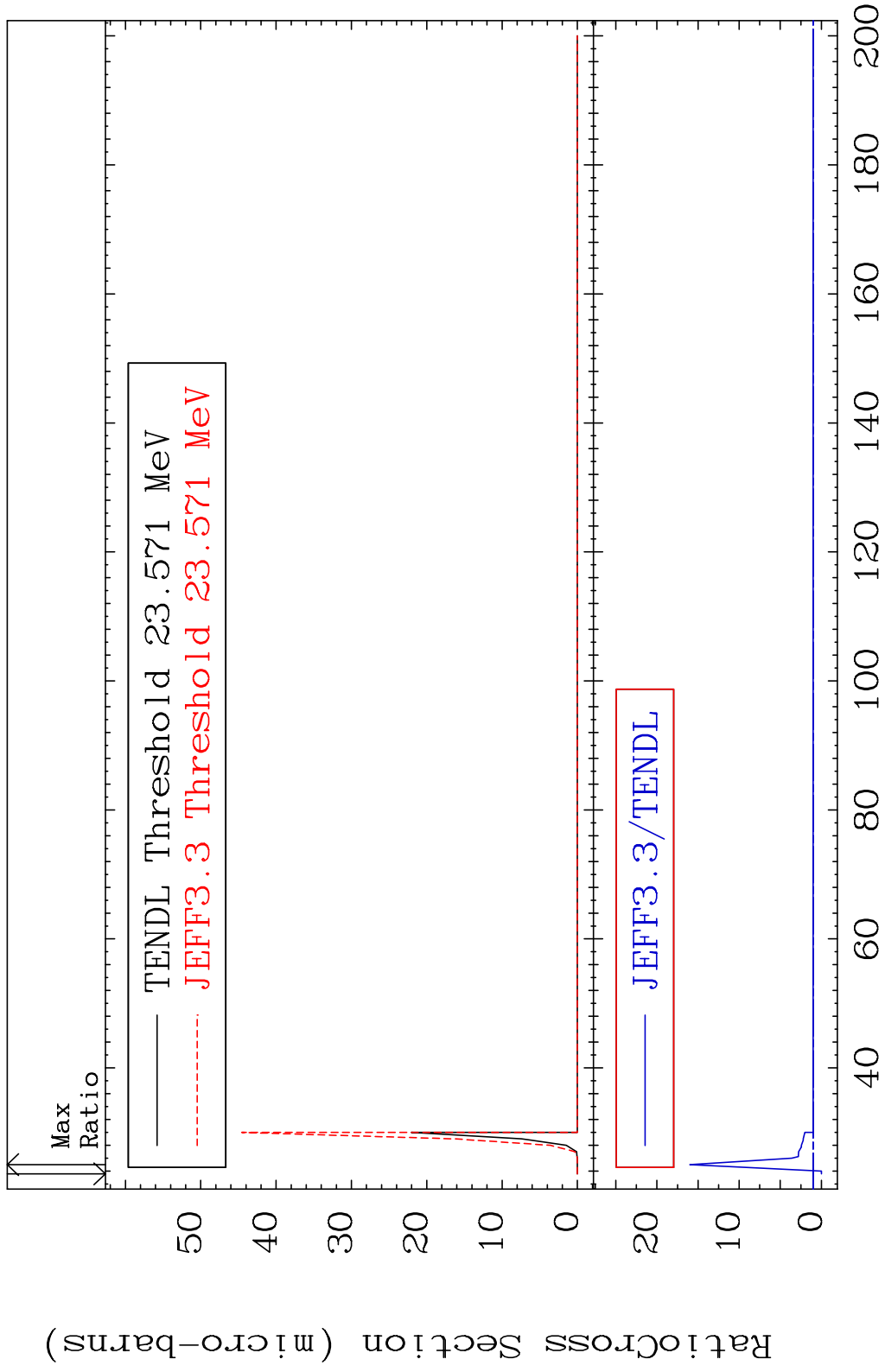
17 16-S -35

MAT 1634

(n,2n) p

16-S -35

Cross Section -100.0 To 1501. %



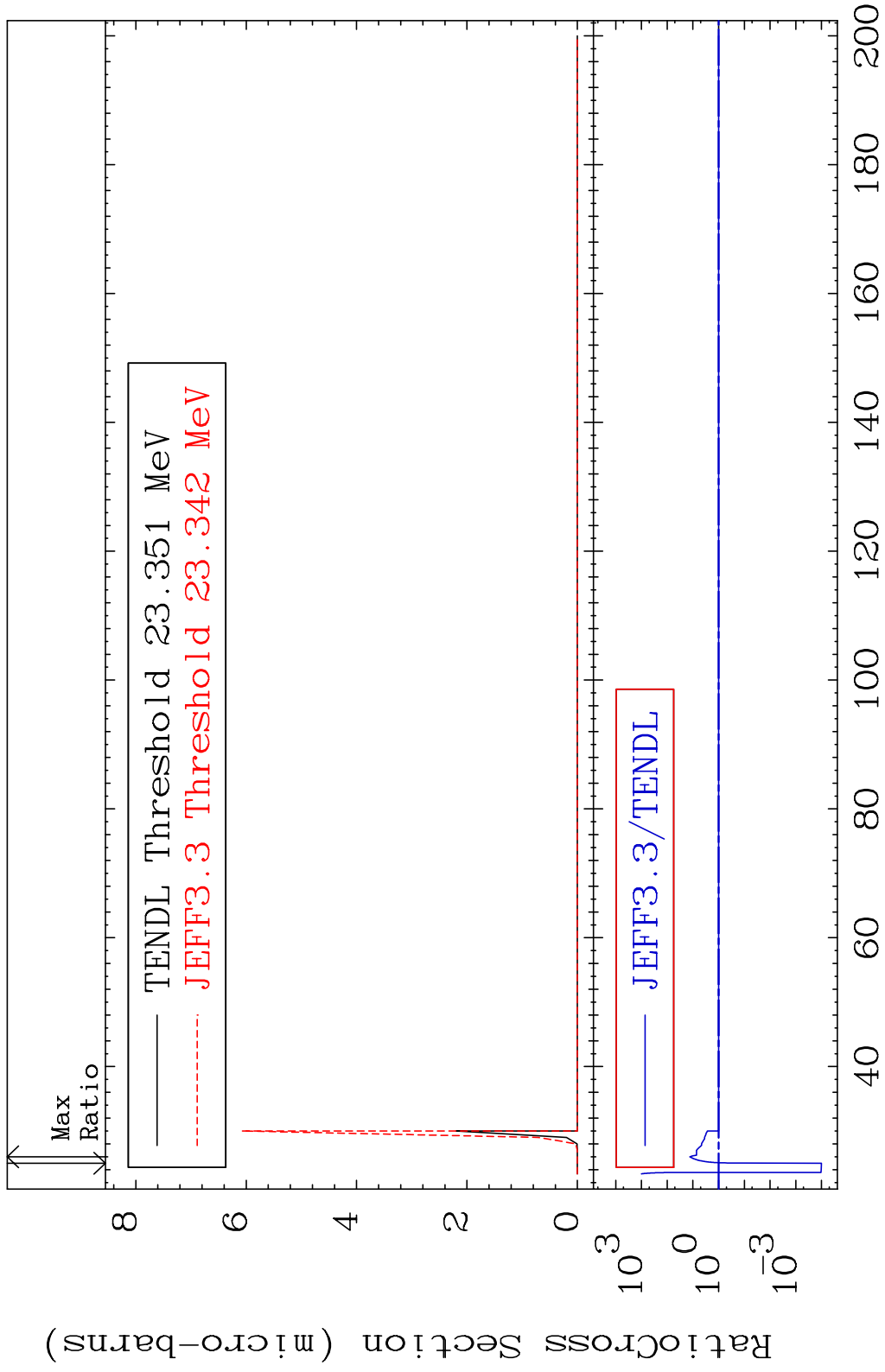
18

Incident Energy (MeV)

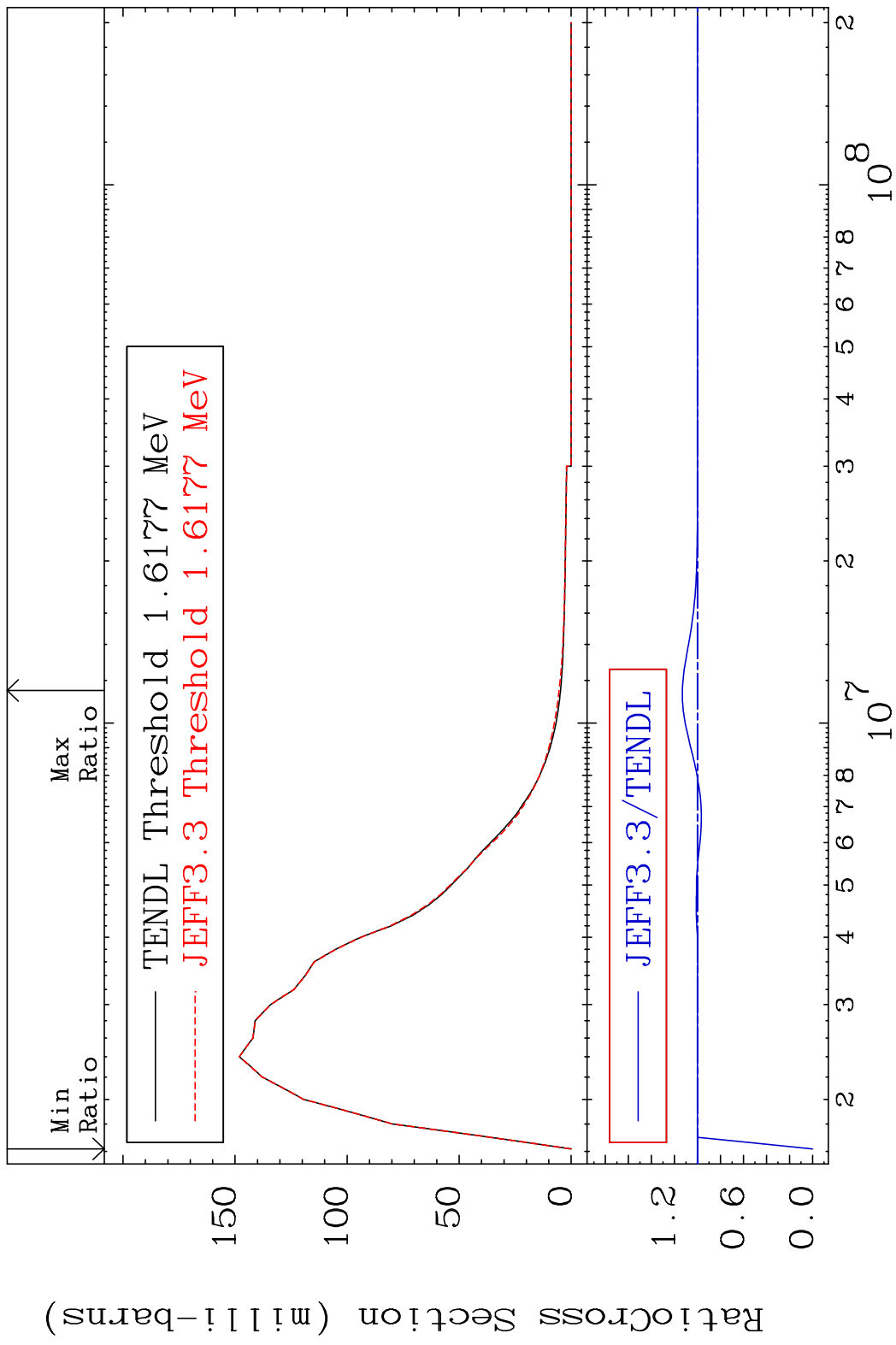
16-S -35

MAT 1634

(n,n') p α 16-S -35
Cross Section -99.99 To 1224. %

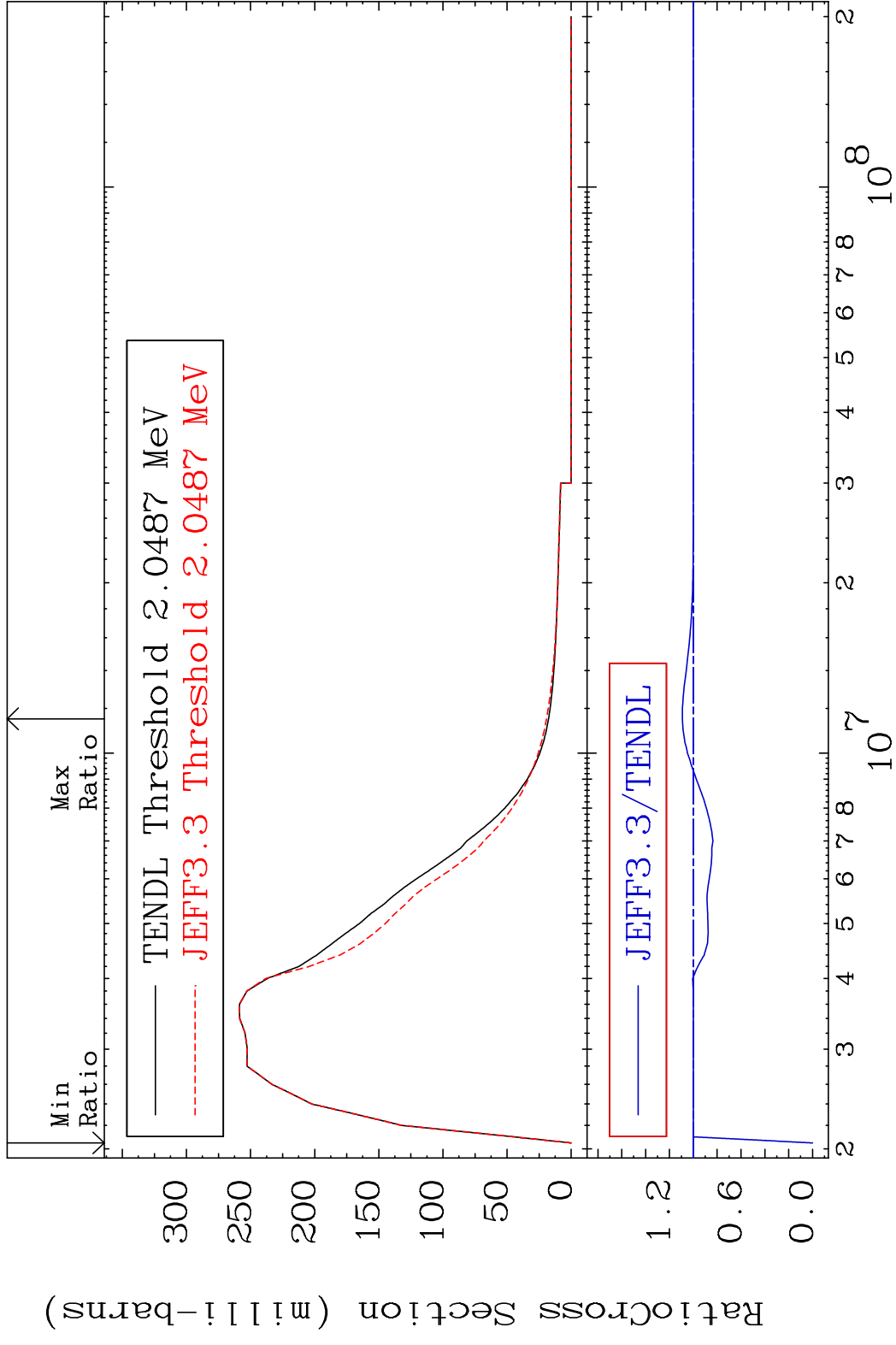


MAT 1634 MT= 51 (n, n') Level 16-S -35
 Cross Section -100.0 To 13.14 %

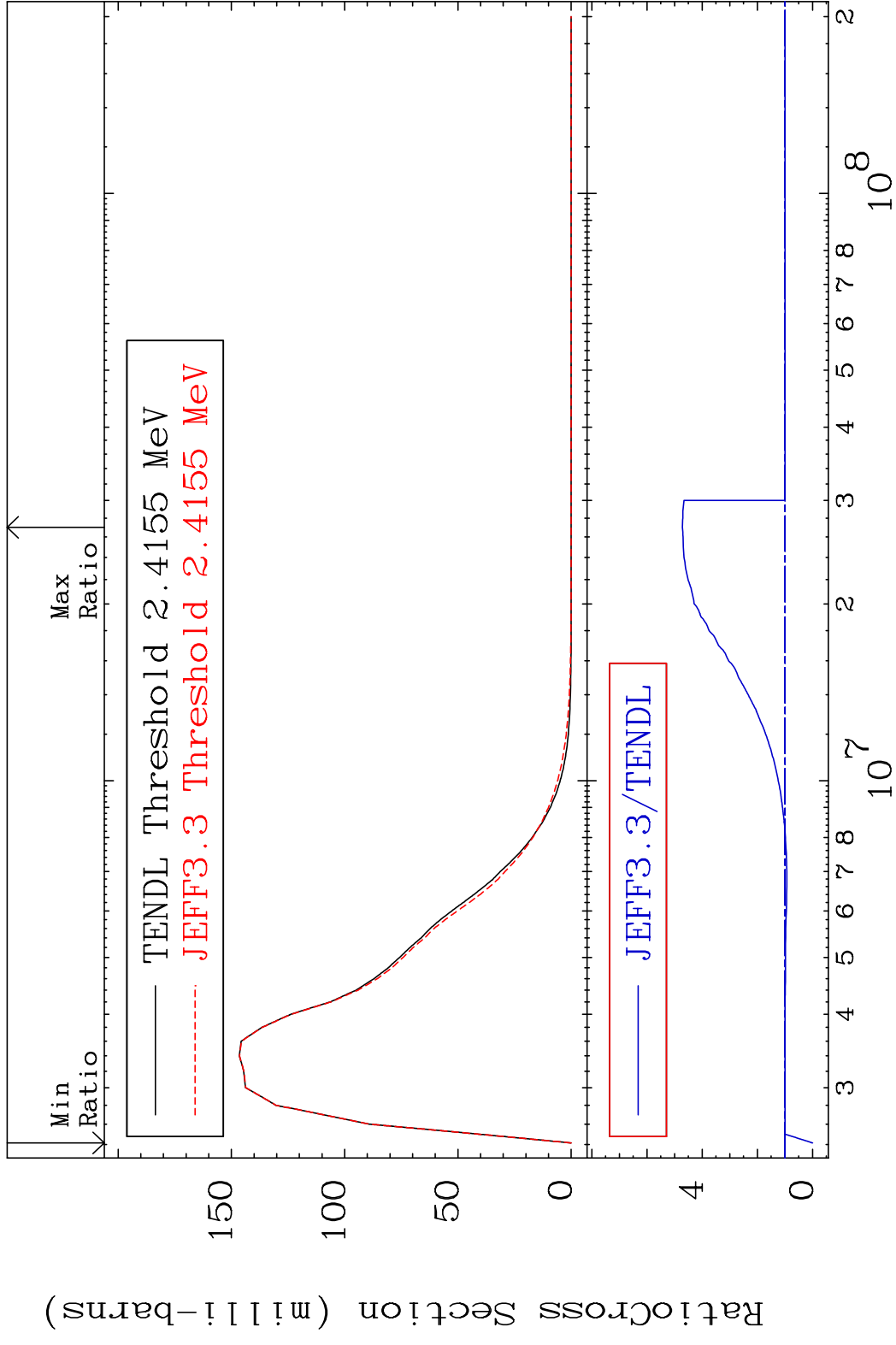


20 16-S -35

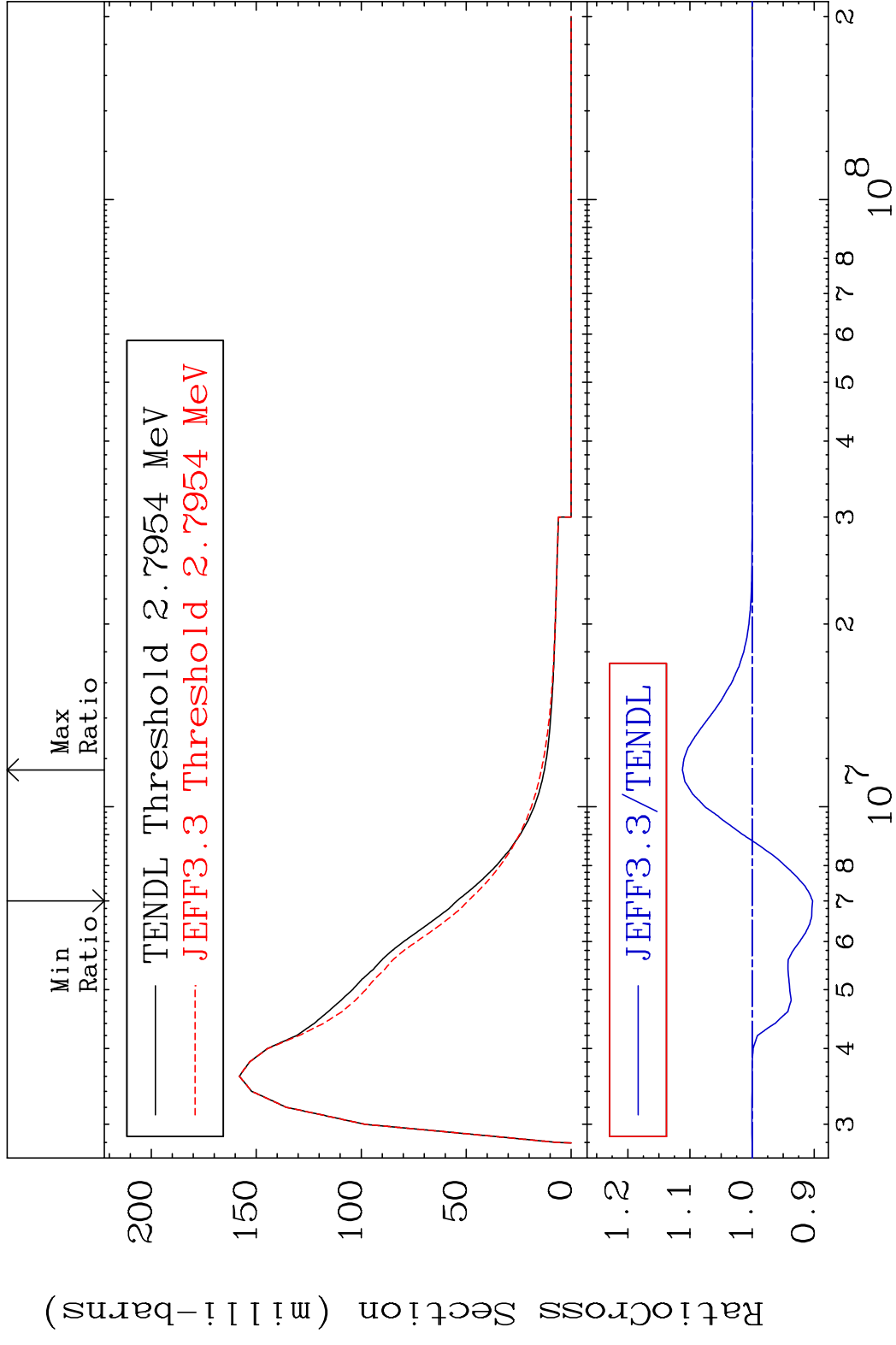
MAT 1634 MT= 52 (n, n') Level 16-S -35
 Cross Section -100.0 To 9.192 %



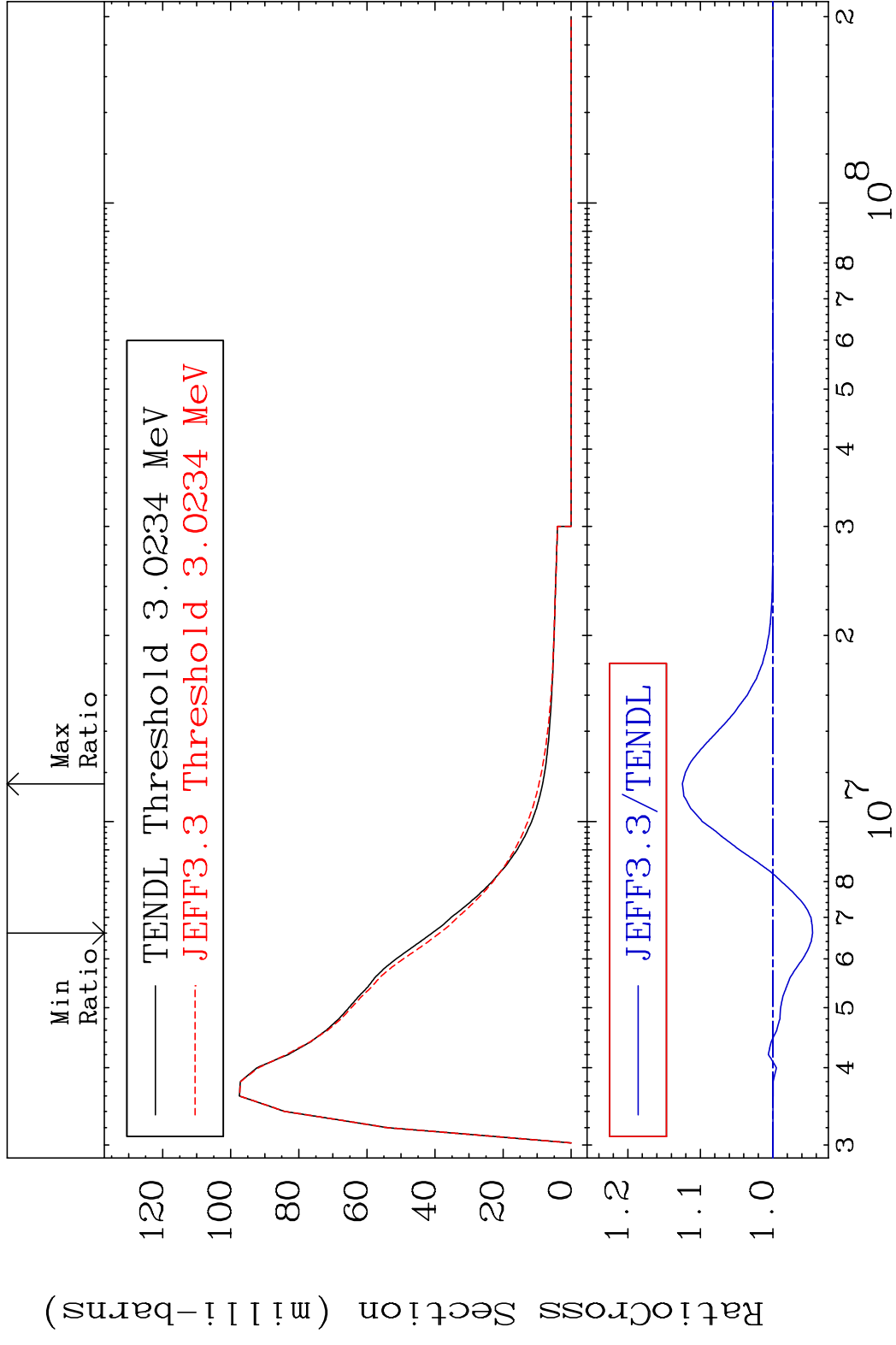
MAT 1634 MT= 53 (n, n') Level 16-S -35
 Cross Section -100.0 To 371.9 %



MAT 1634 MT= 54 (n,n') Level 16-S -35
 Cross Section -9.718 To 11.22 %



MAT 1634 MT= 55 (n,n') Level 16-S -35
 Cross Section -5.483 To 12.48 %

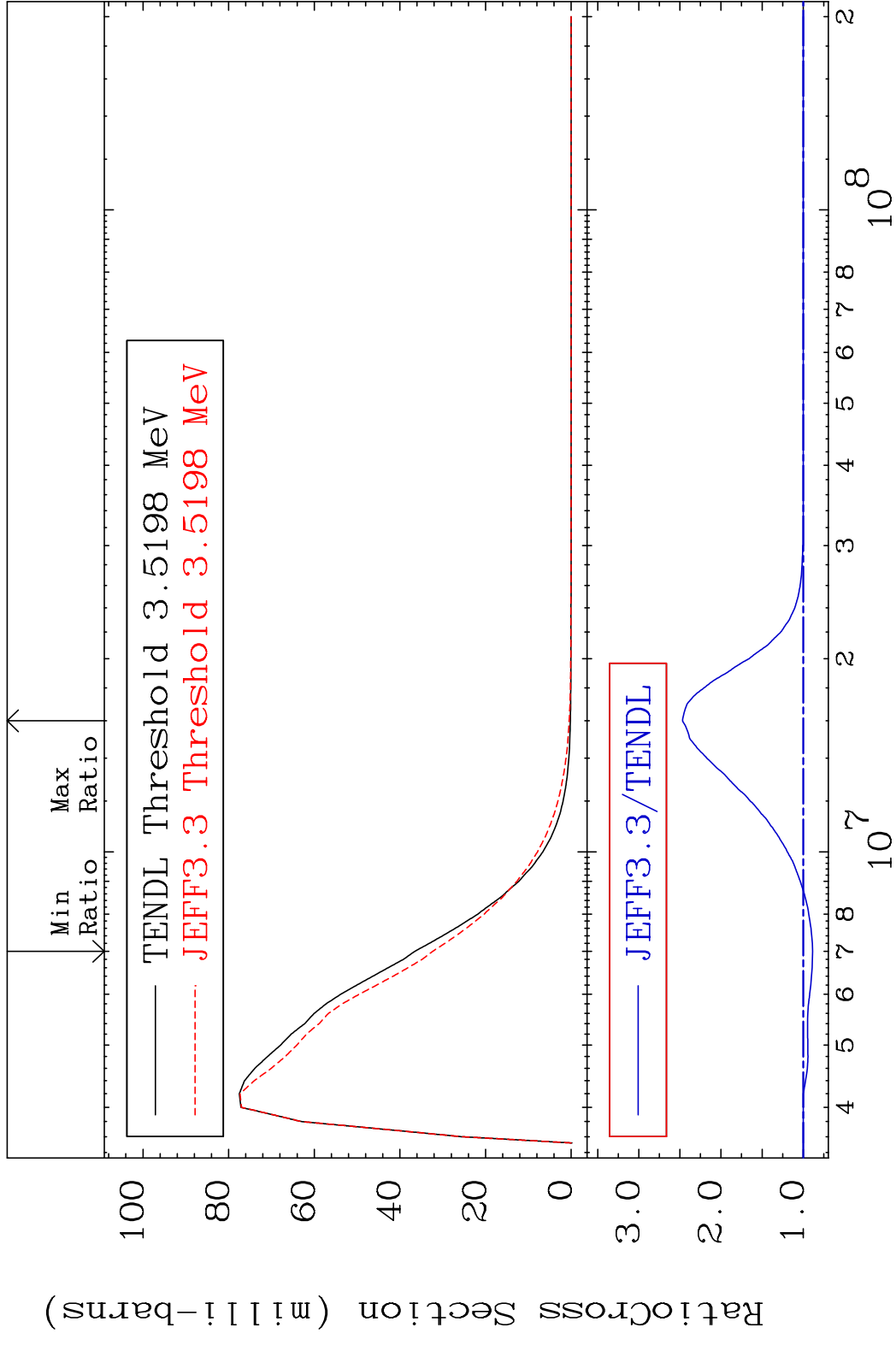


MAT 1634

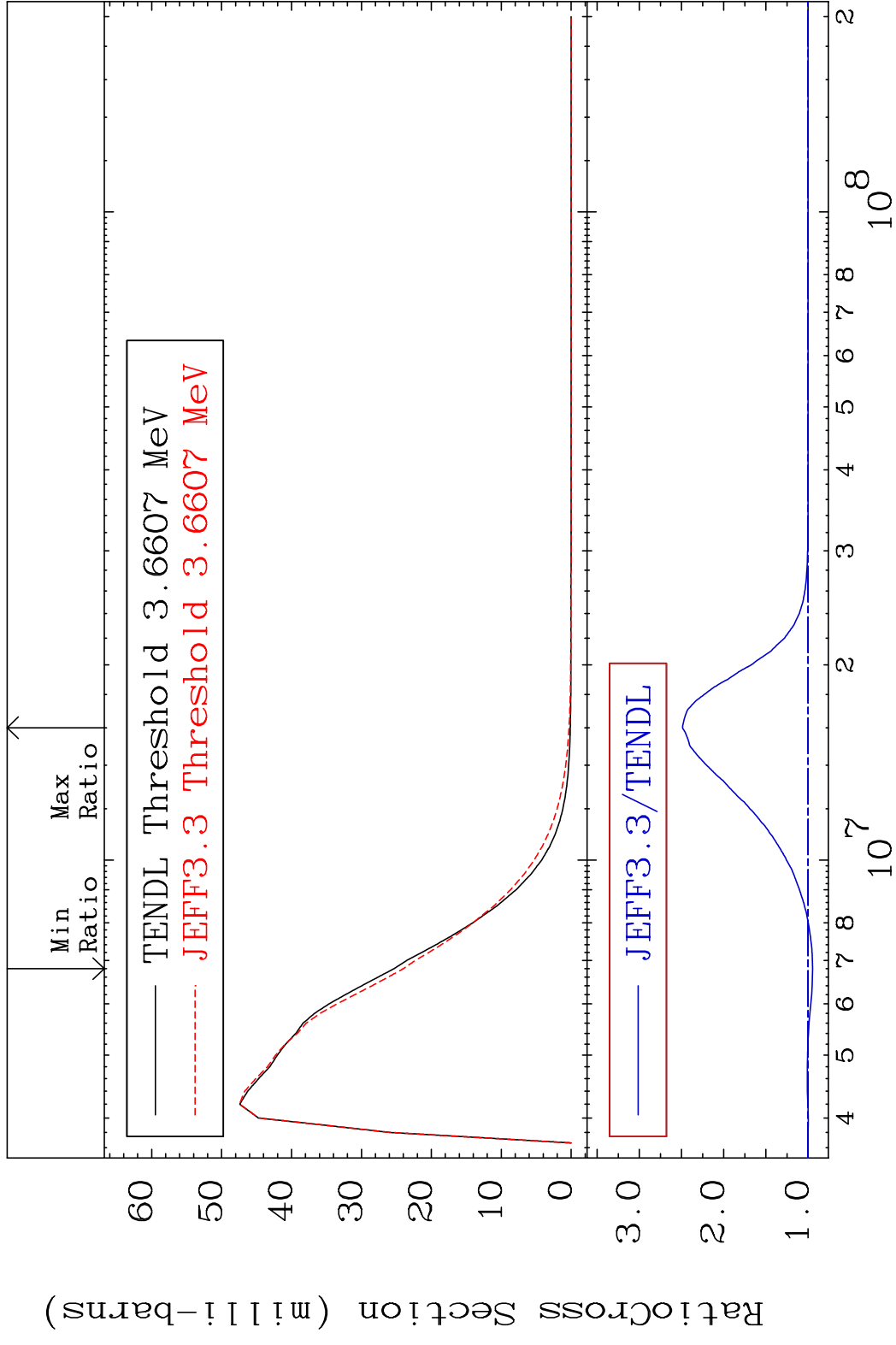
MT= 56 (n,n') Level

16-S -35

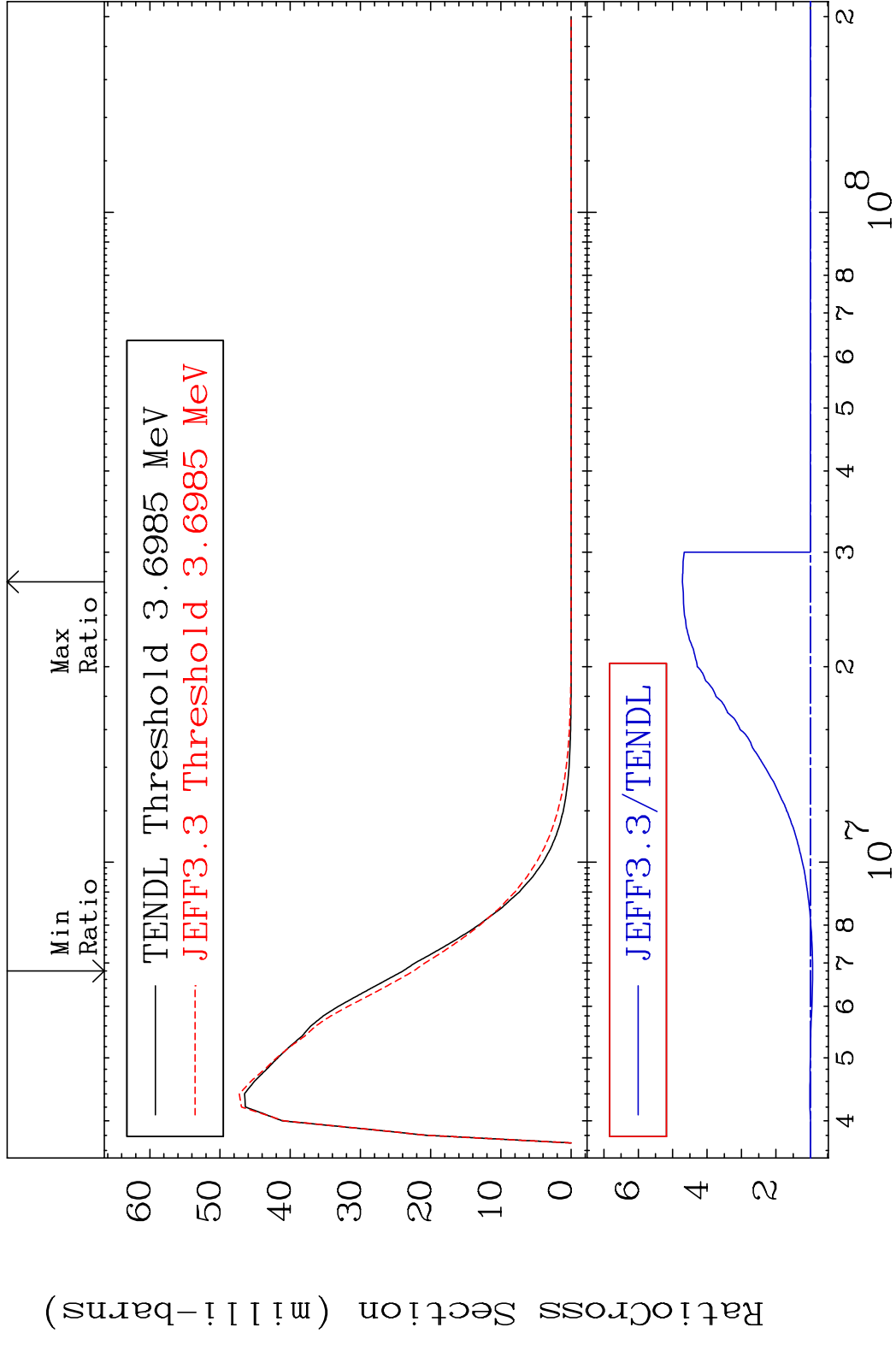
Cross Section -11.44 To 147.1 %



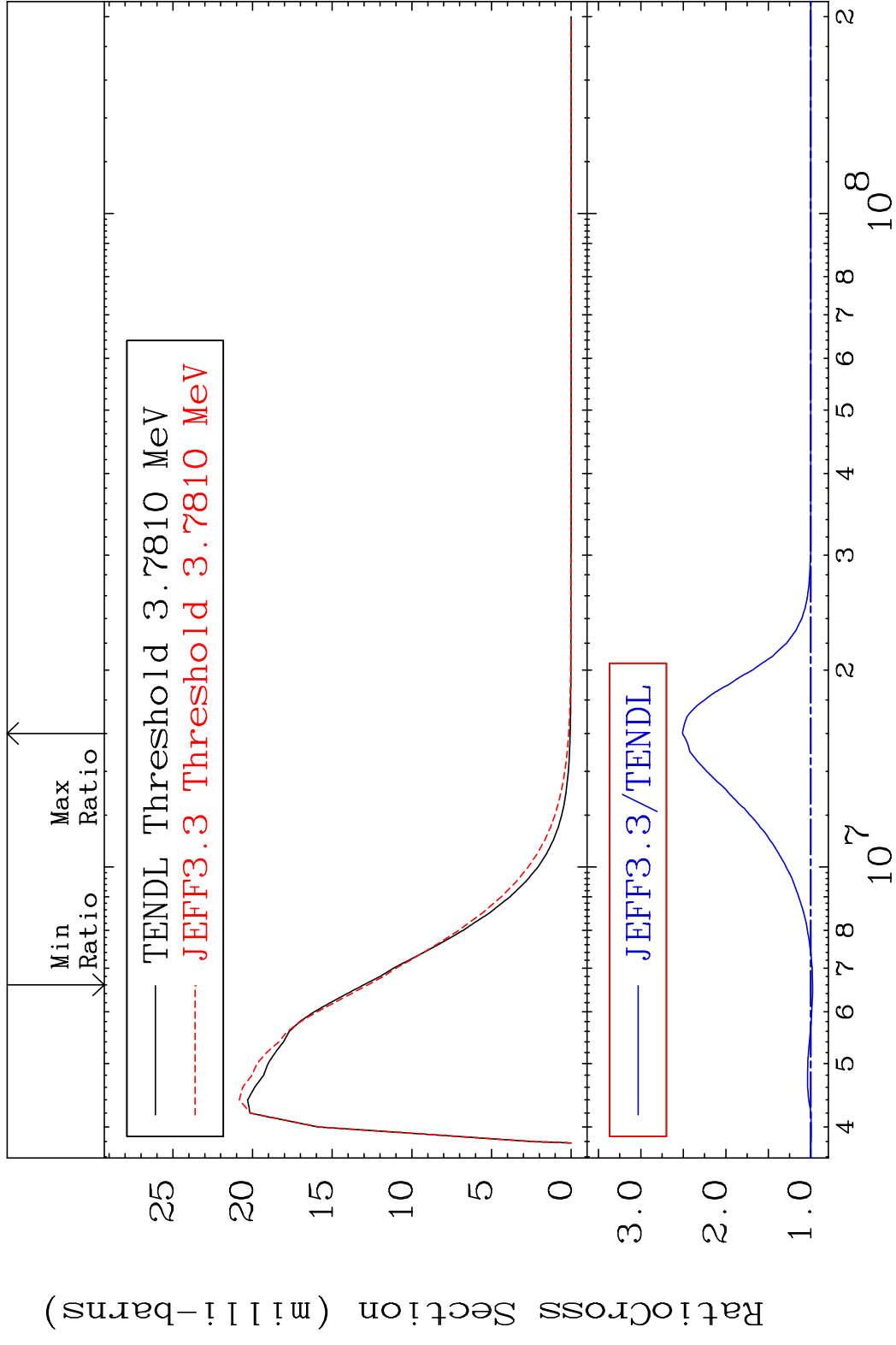
MAT 1634 MT= 57 (n,n') Level 16-S -35
 Cross Section -5.342 To 149.0 %



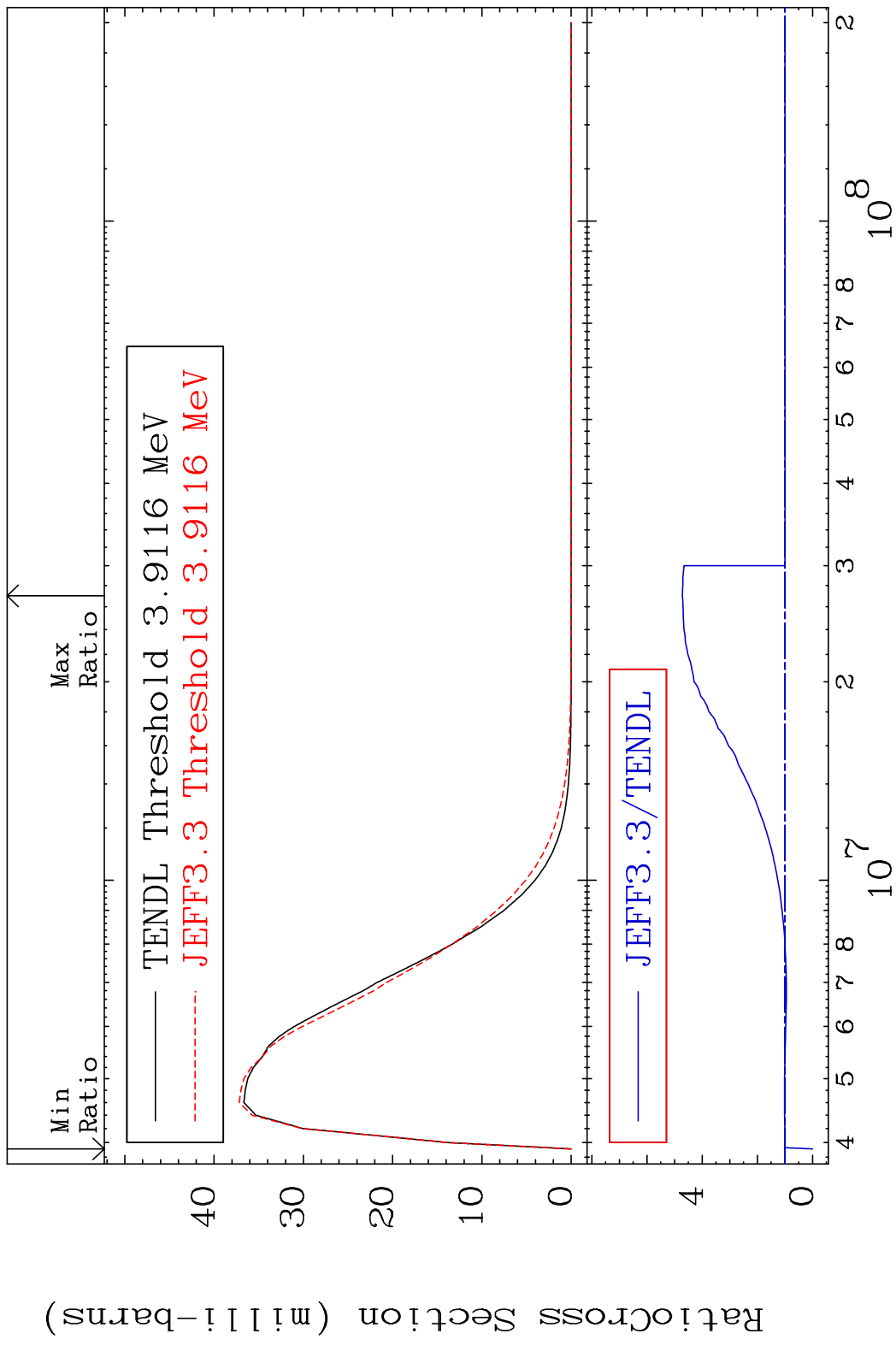
MAT 1634 MT= 58 (n, n') Level 16-S -35
 Cross Section -6.318 To 371.9 %



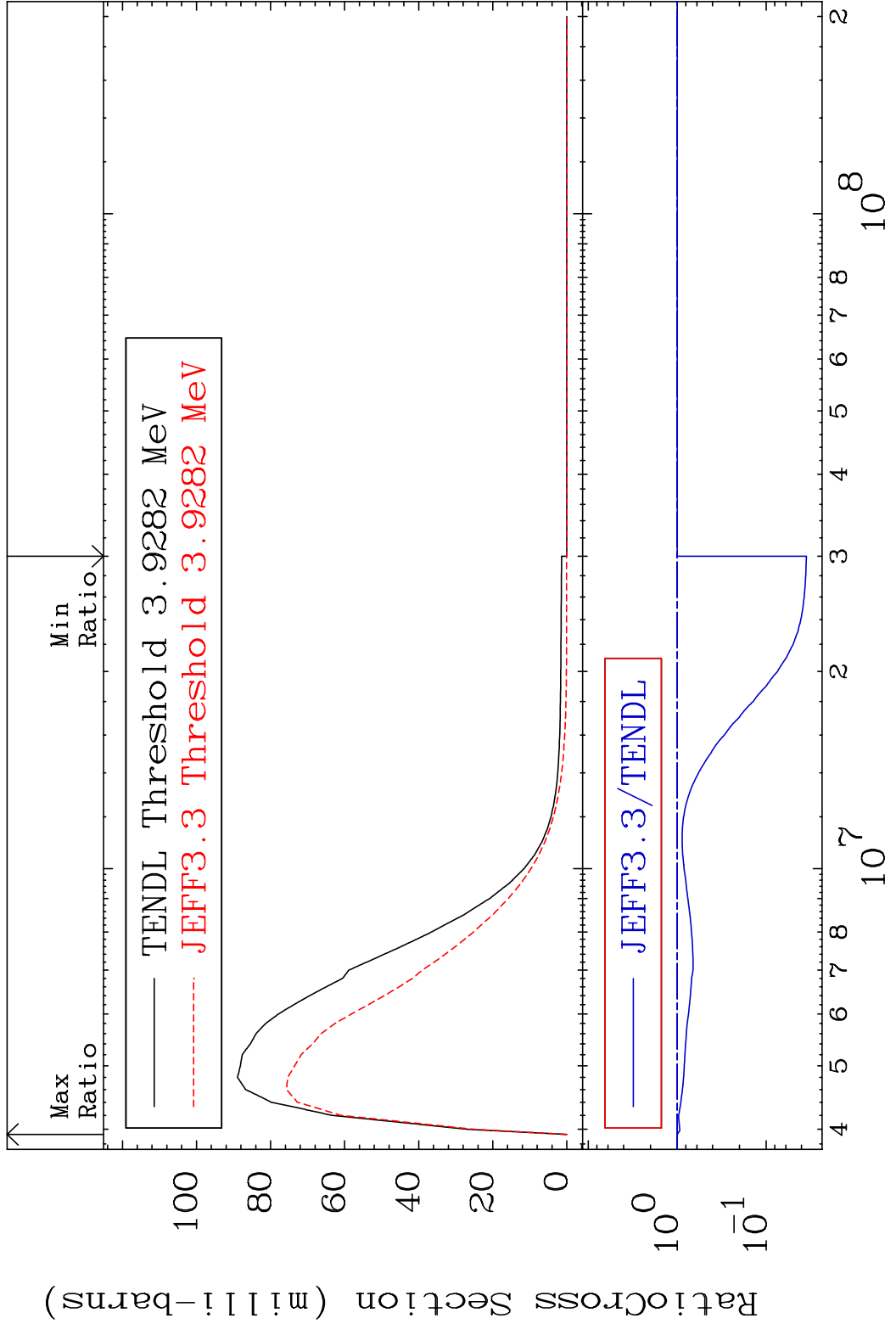
MAT 1634 MT= 59 (n,n') Level 16-S -35
 Cross Section -1.987 To 151.2 %



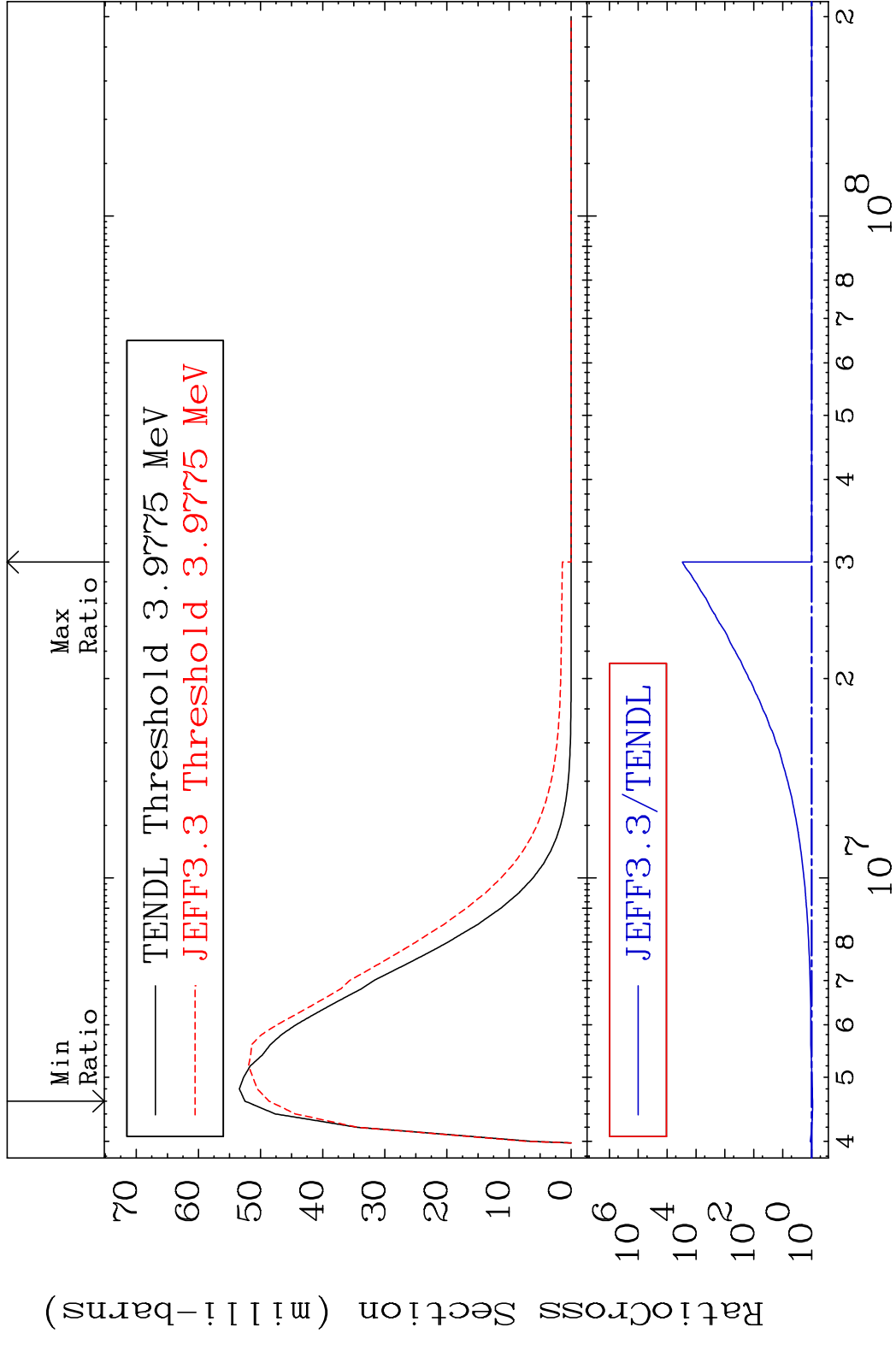
MAT 1634 MT= 60 (n, n') Level 16-S -35
 Cross Section -100.0 To 371.9 %



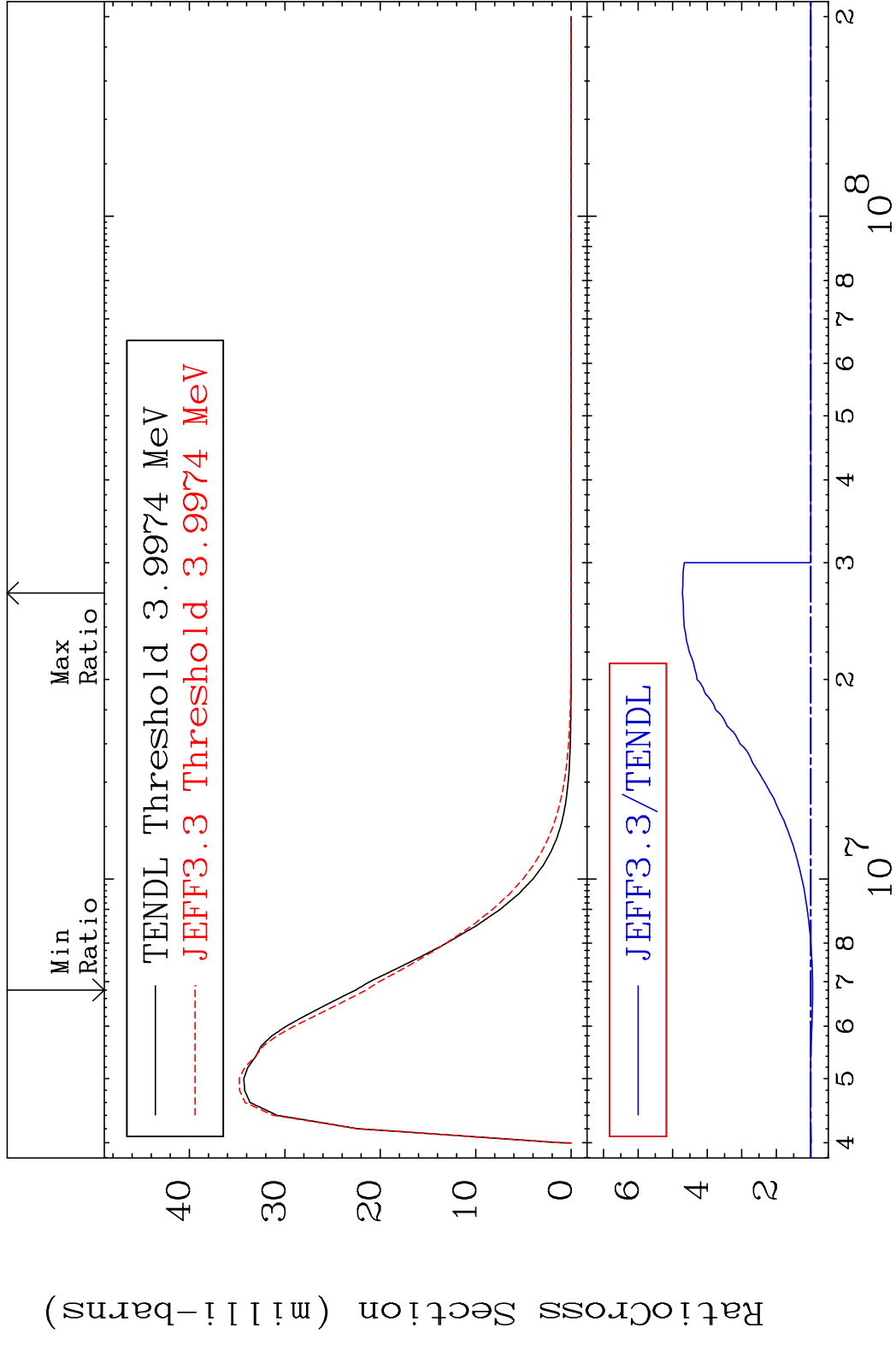
MAT 1634 MT= 61 (n, n') Level 16-S -35
 Cross Section -96.47 To 0.000 %



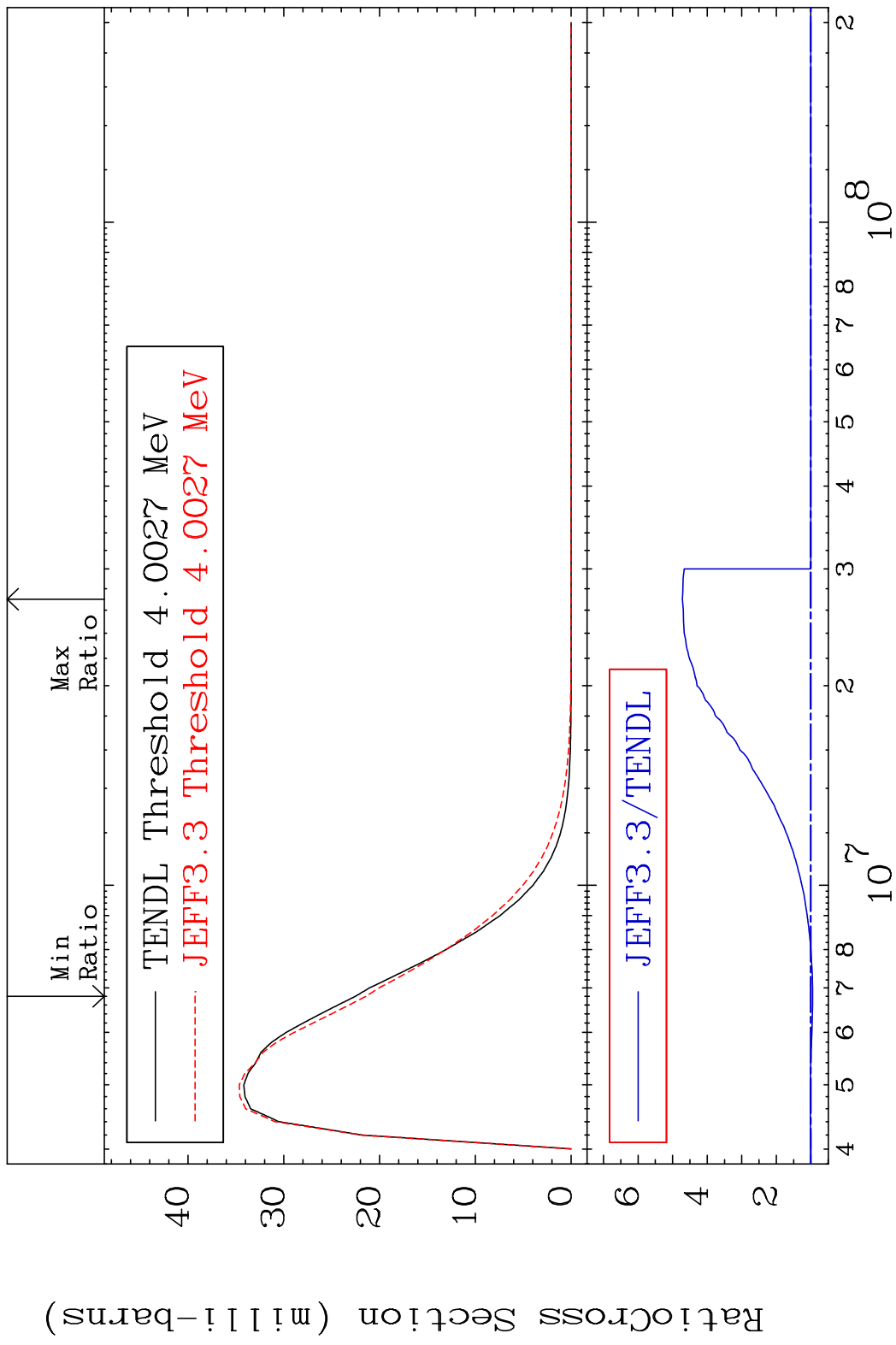
MAT 1634 MT= 62 (n, n') Level 16-S -35
 Cross Section -7.389 To 9999. %



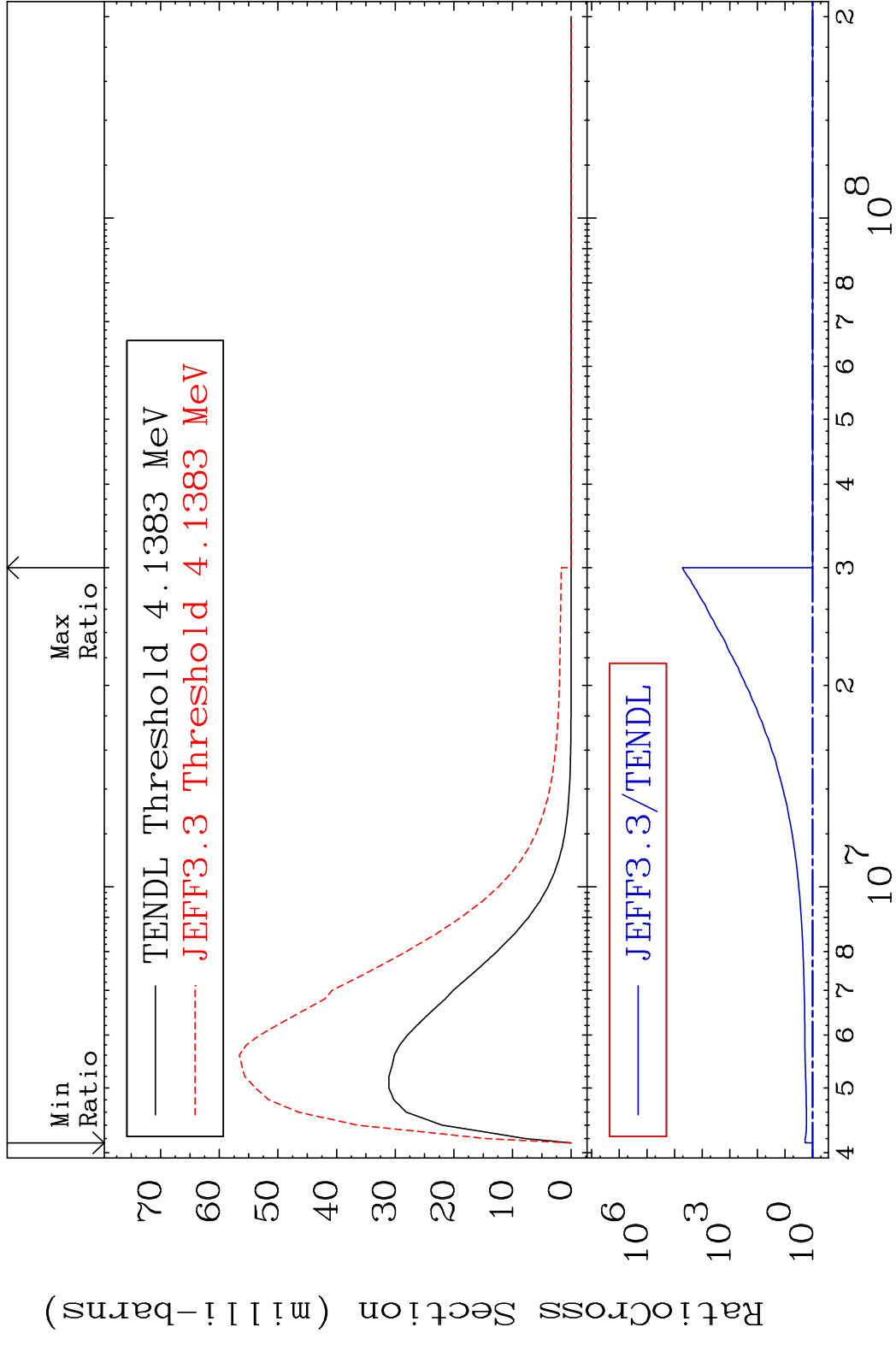
MAT 1634 MT= 63 (n, n') Level 16-S -35
 Cross Section -4.880 To 371.9 %



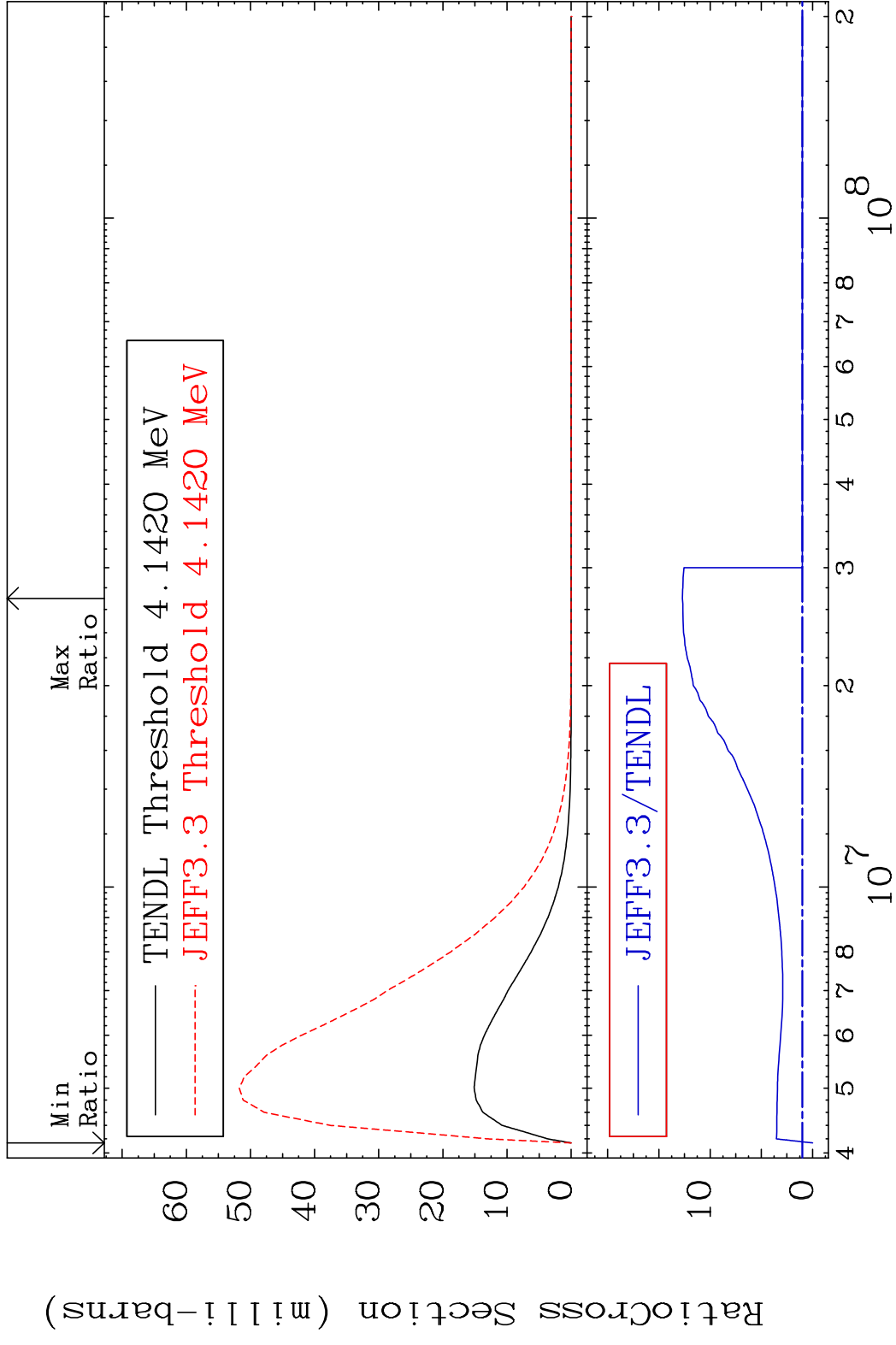
MAT 1634 MT= 64 (n, n') Level 16-S -35
 Cross Section -4.872 To 371.9 %



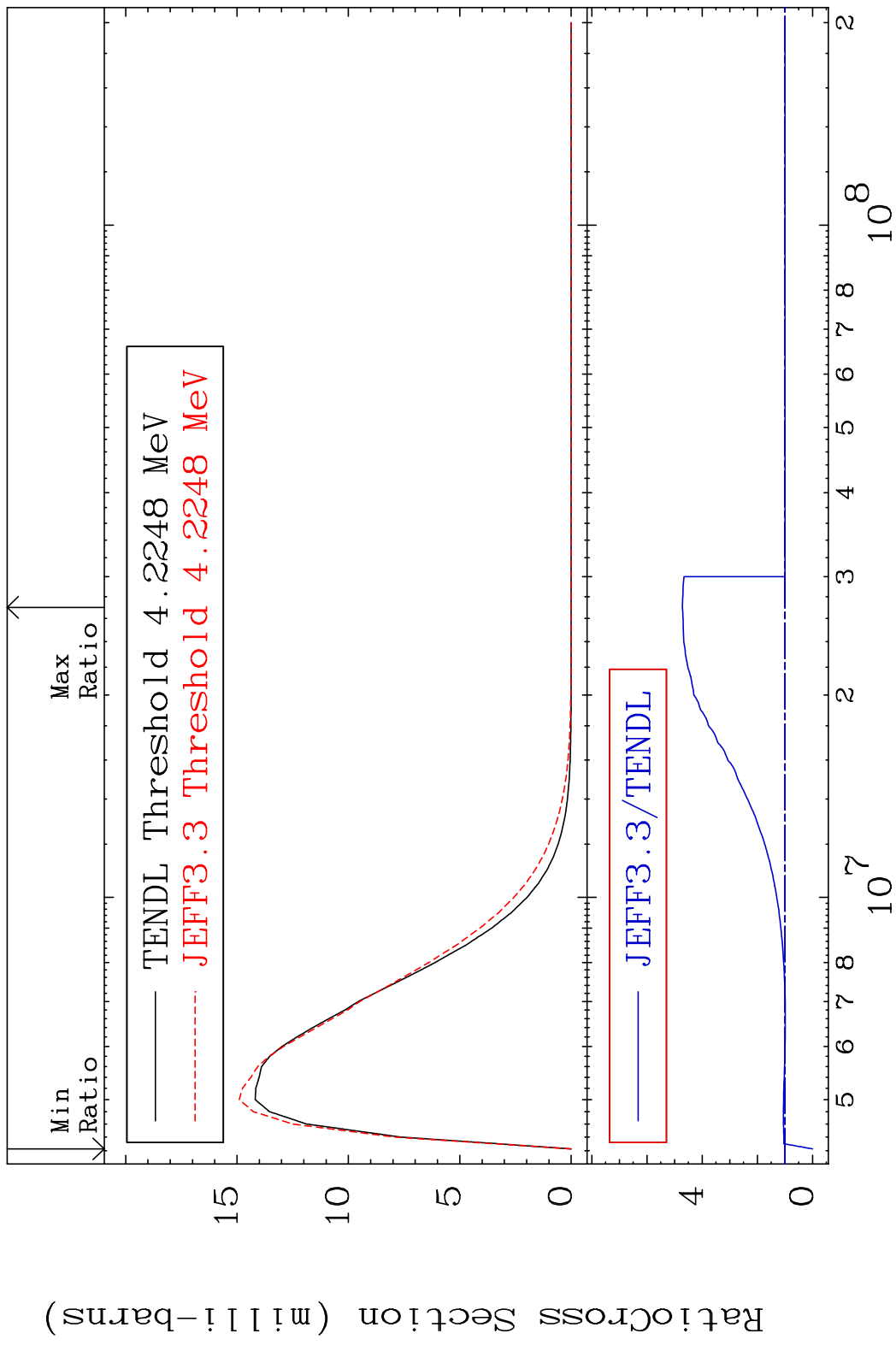
MAT 1634 MT= 65 (n, n') Level 16-S -35
 Cross Section 0.000 To 9999. %



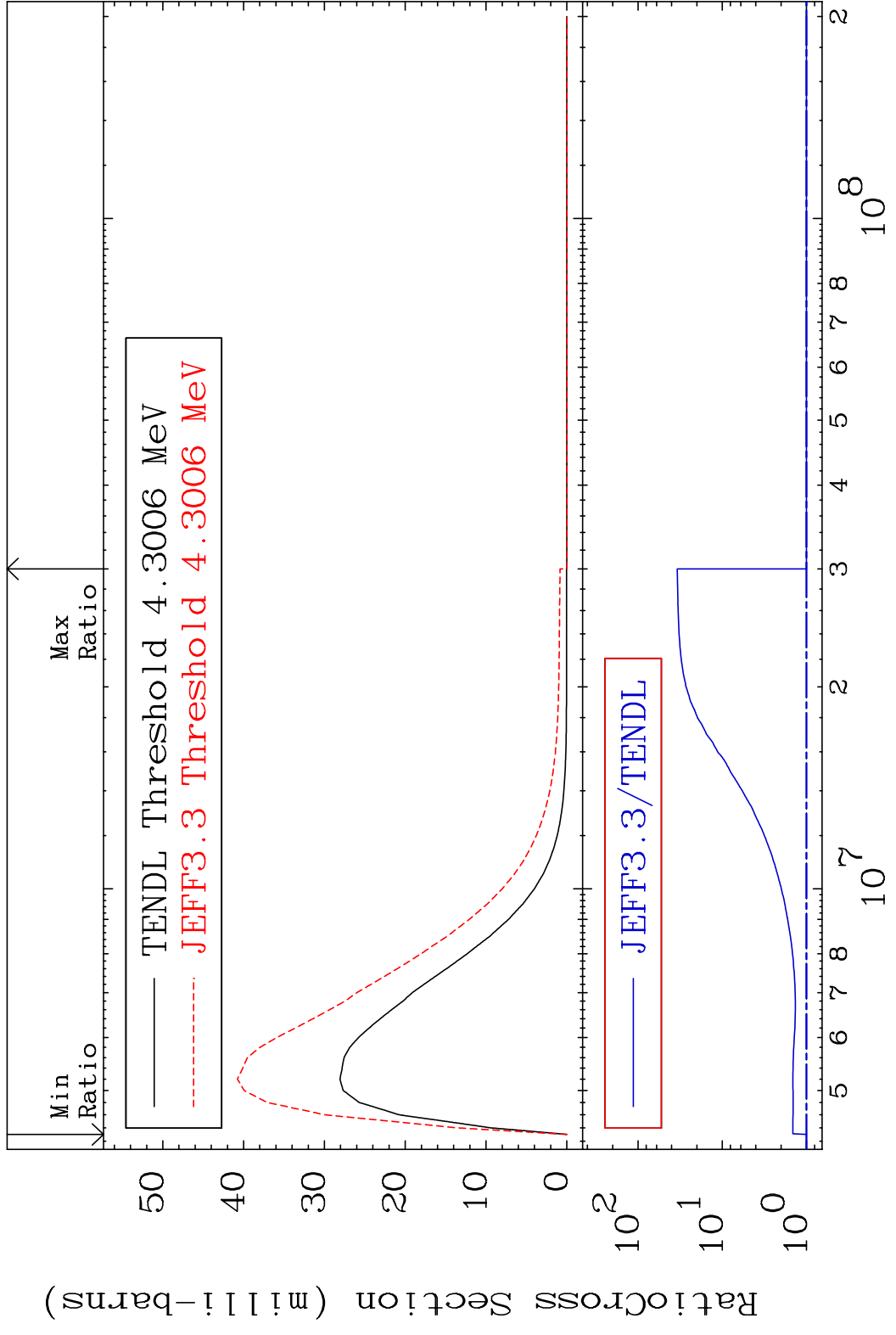
MAT 1634 MT= 66 (n, n') Level 16-S -35
 Cross Section -100.0 To 1171. %



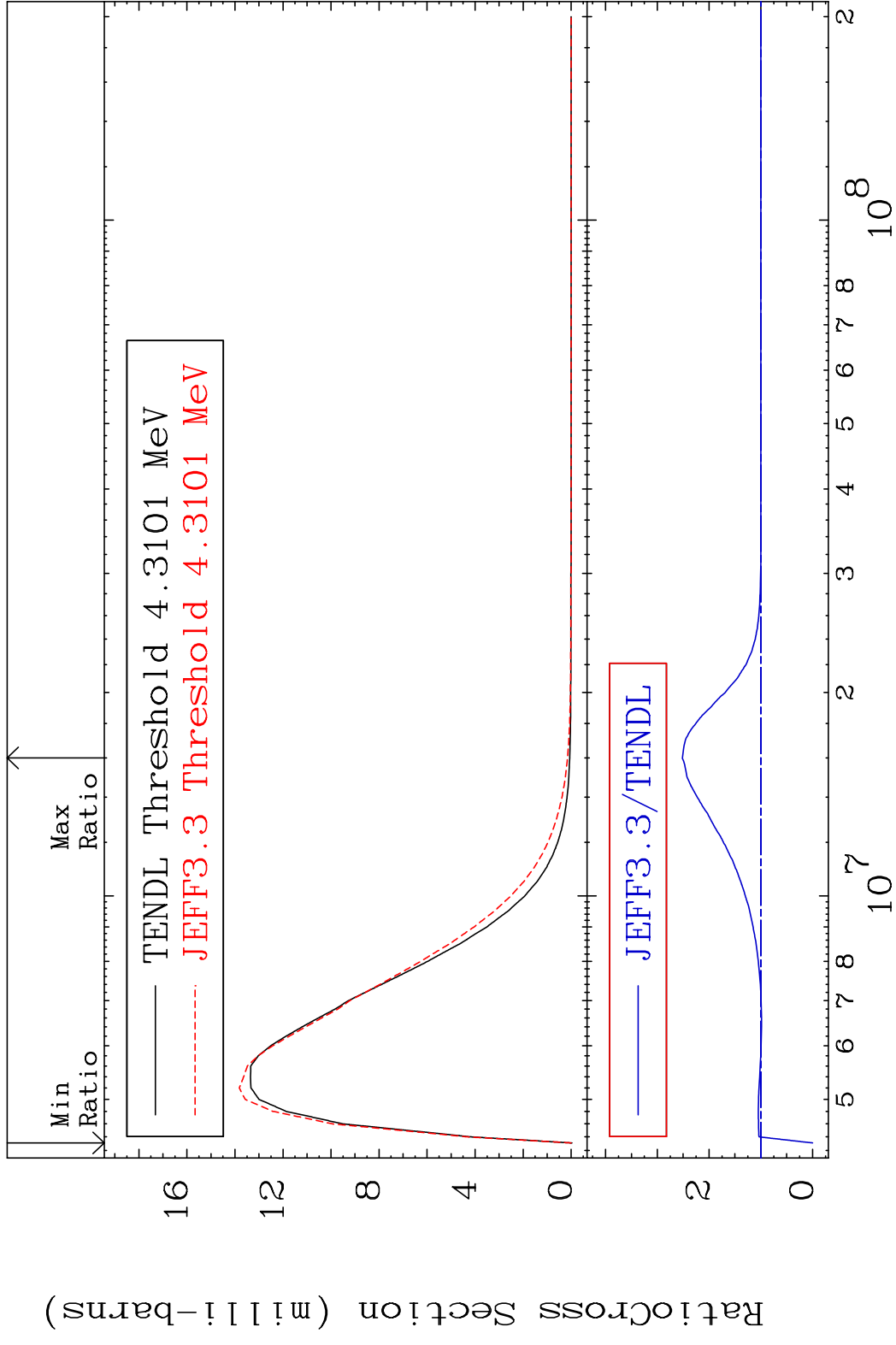
MAT 1634 MT= 67 (n, n') Level 16-S -35
 Cross Section -100.0 To 371.8 %



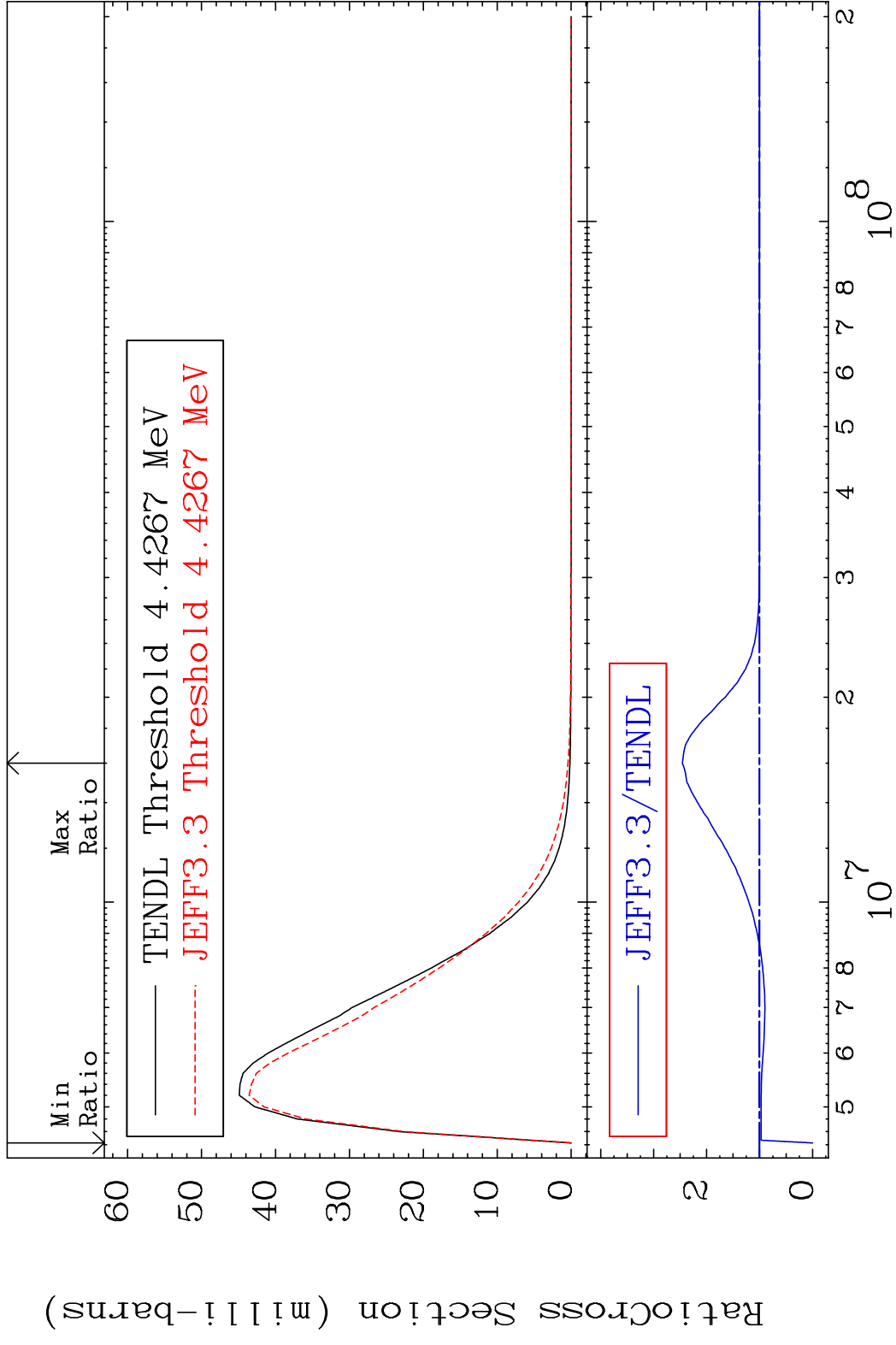
MAT 1634 MT= 68 (n, n') Level 16-S -35
 Cross Section 0.000 To 3329. %



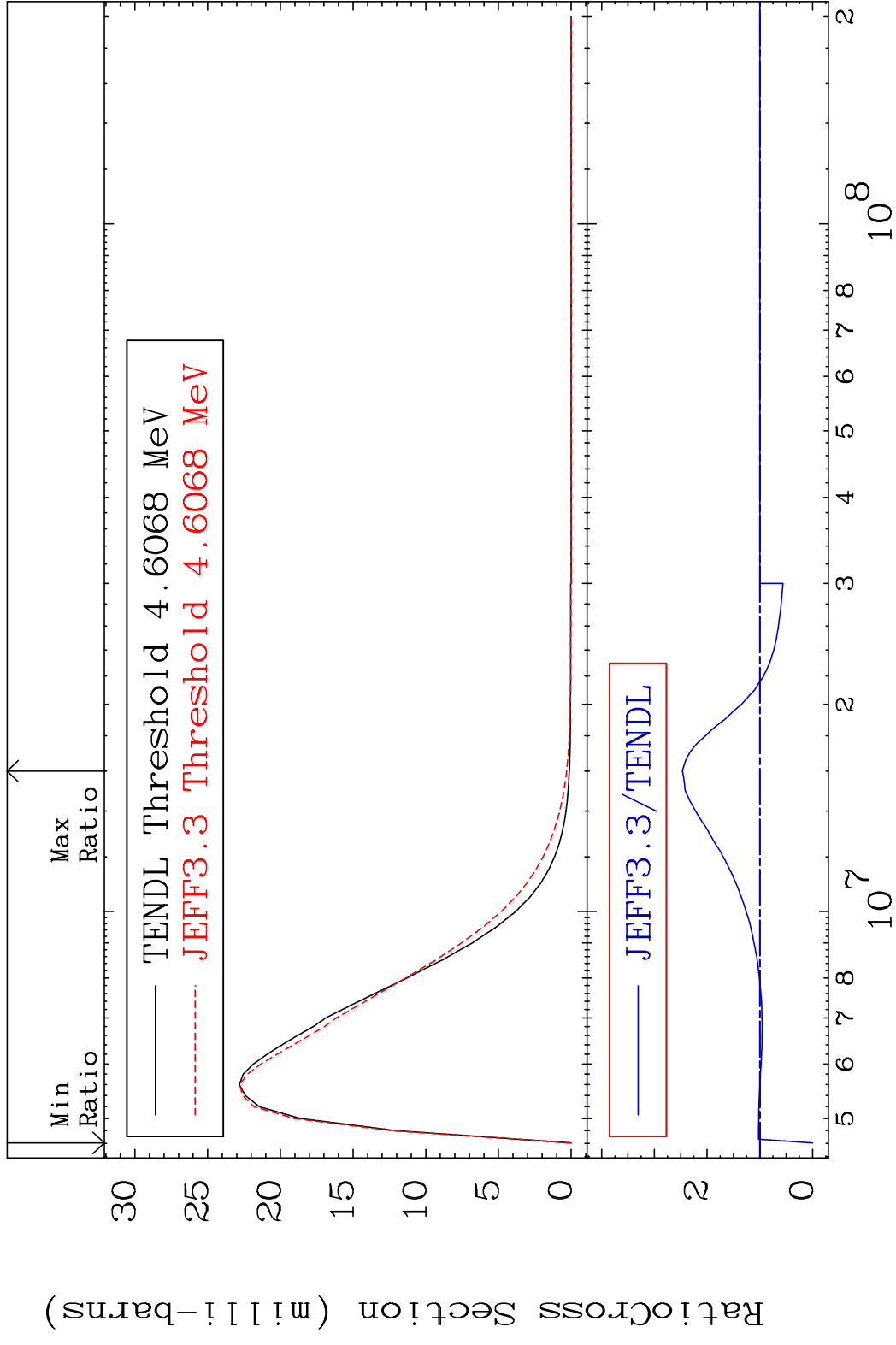
MAT 1634 MT= 69 (n, n') Level 16-S -35
 Cross Section -100.0 To 151.6 %



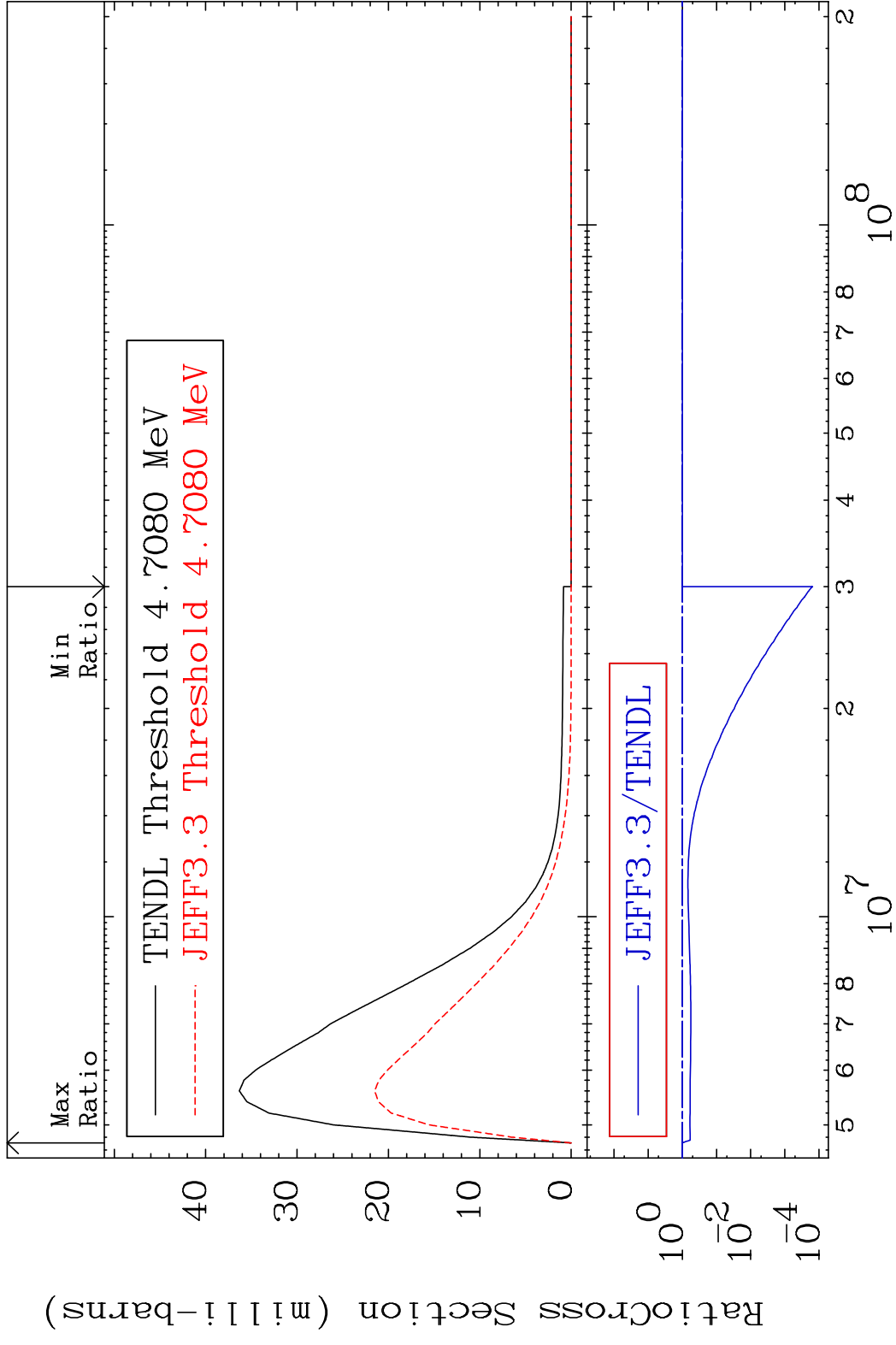
MAT 1634 MT= 70 (n, n') Level 16-S -35
 Cross Section -100.0 To 145.8 %



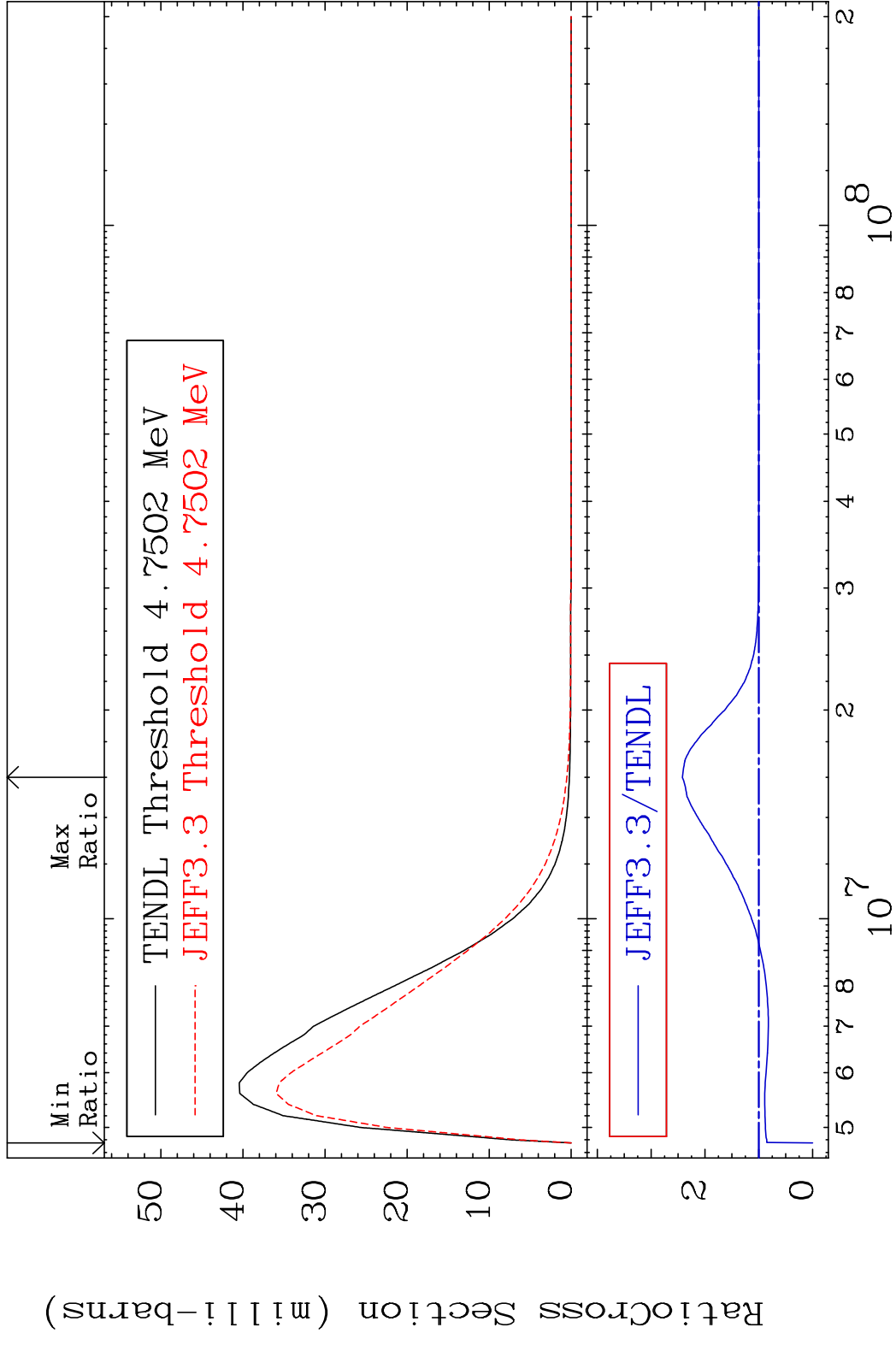
MAT 1634 MT= 71 (n,n') Level 16-S -35
 Cross Section -100.0 To 146.9 %



MAT 1634 MT= 72 (n, n') Level 16-S -35
 Cross Section -99.98 To 0.000 %

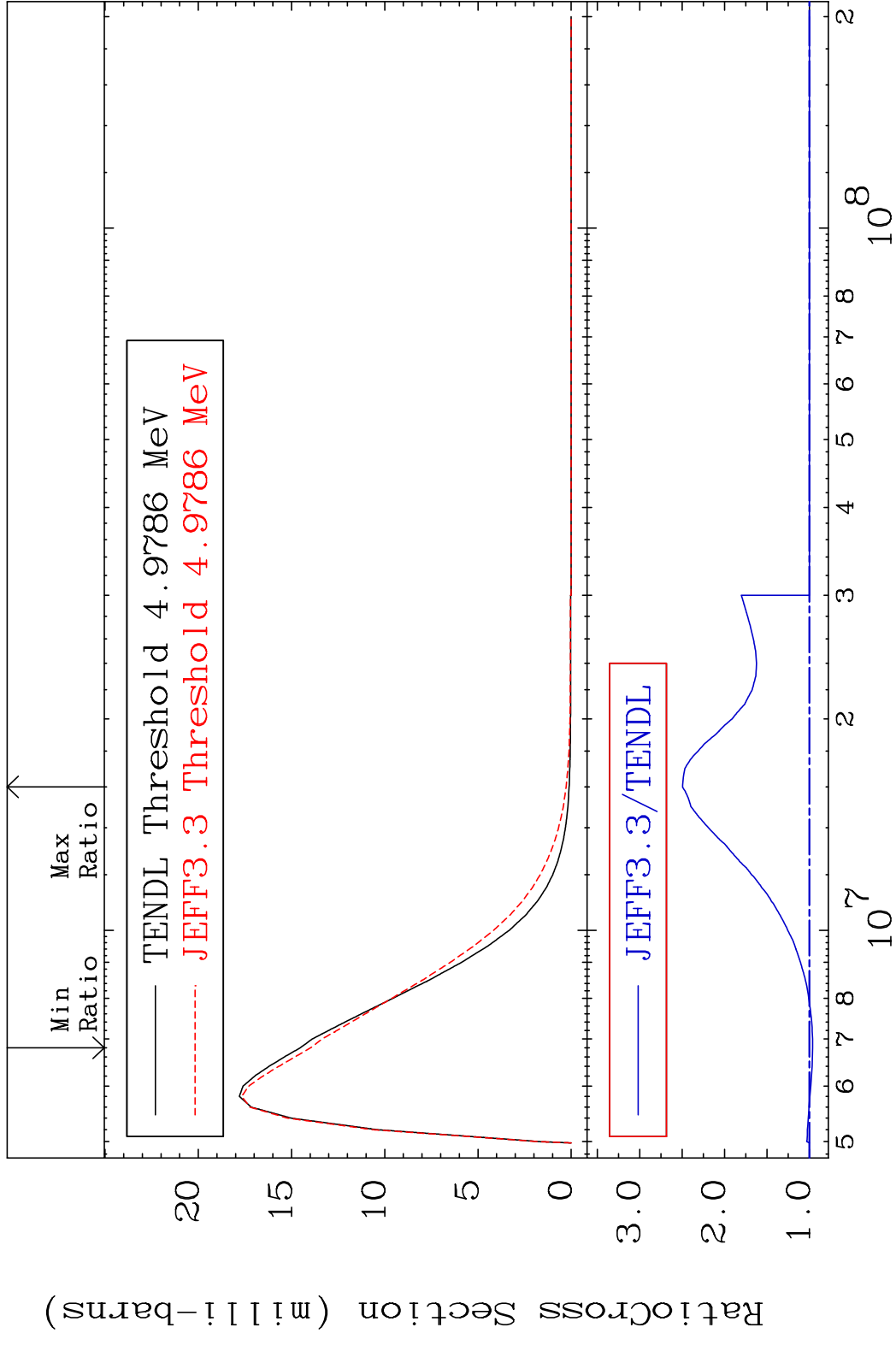


MAT 1634 MT= 73 (n, n') Level 16-S -35
 Cross Section -100.0 To 142.0 %

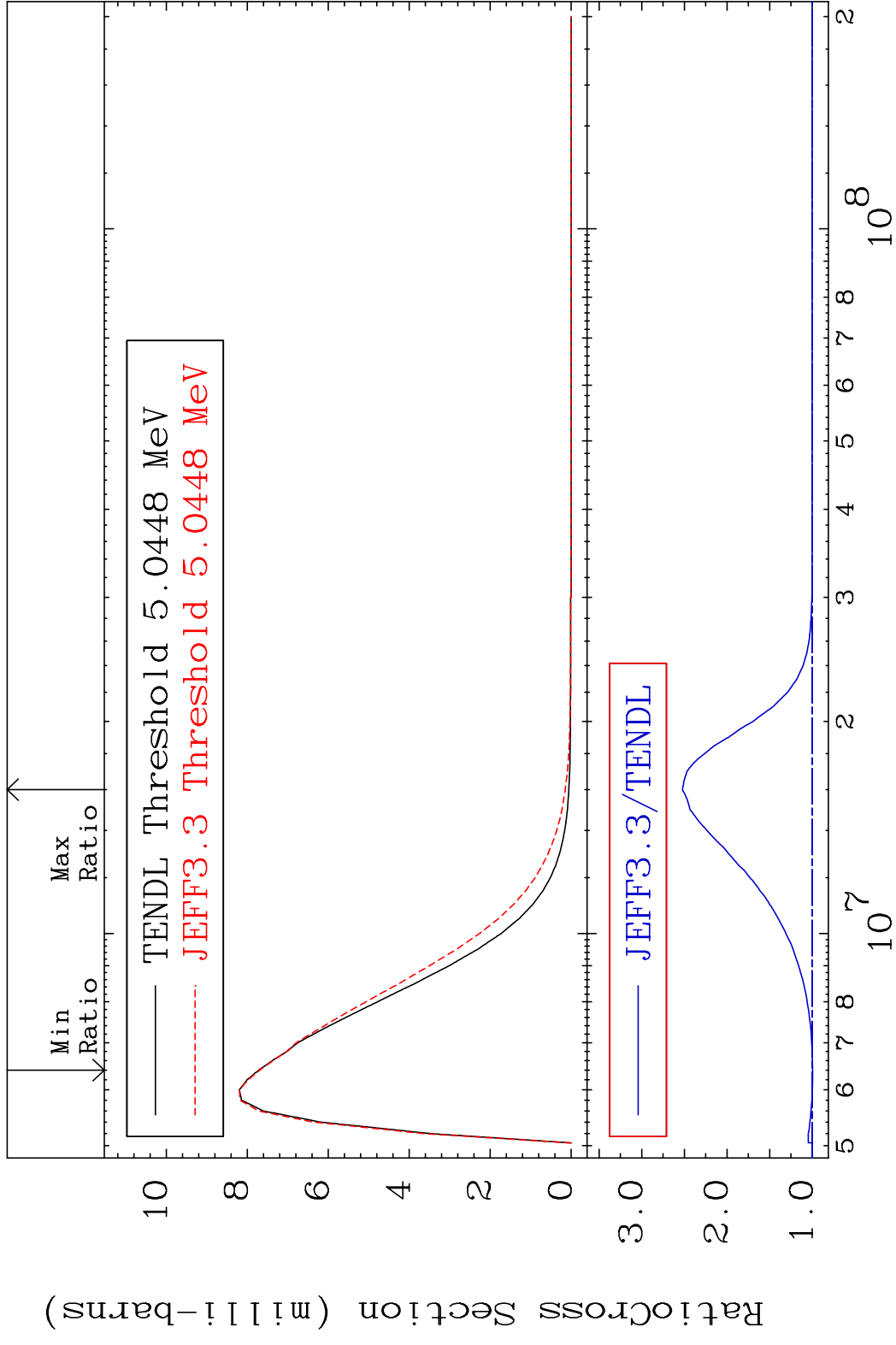


42 Incident Energy (eV) 16-S -35

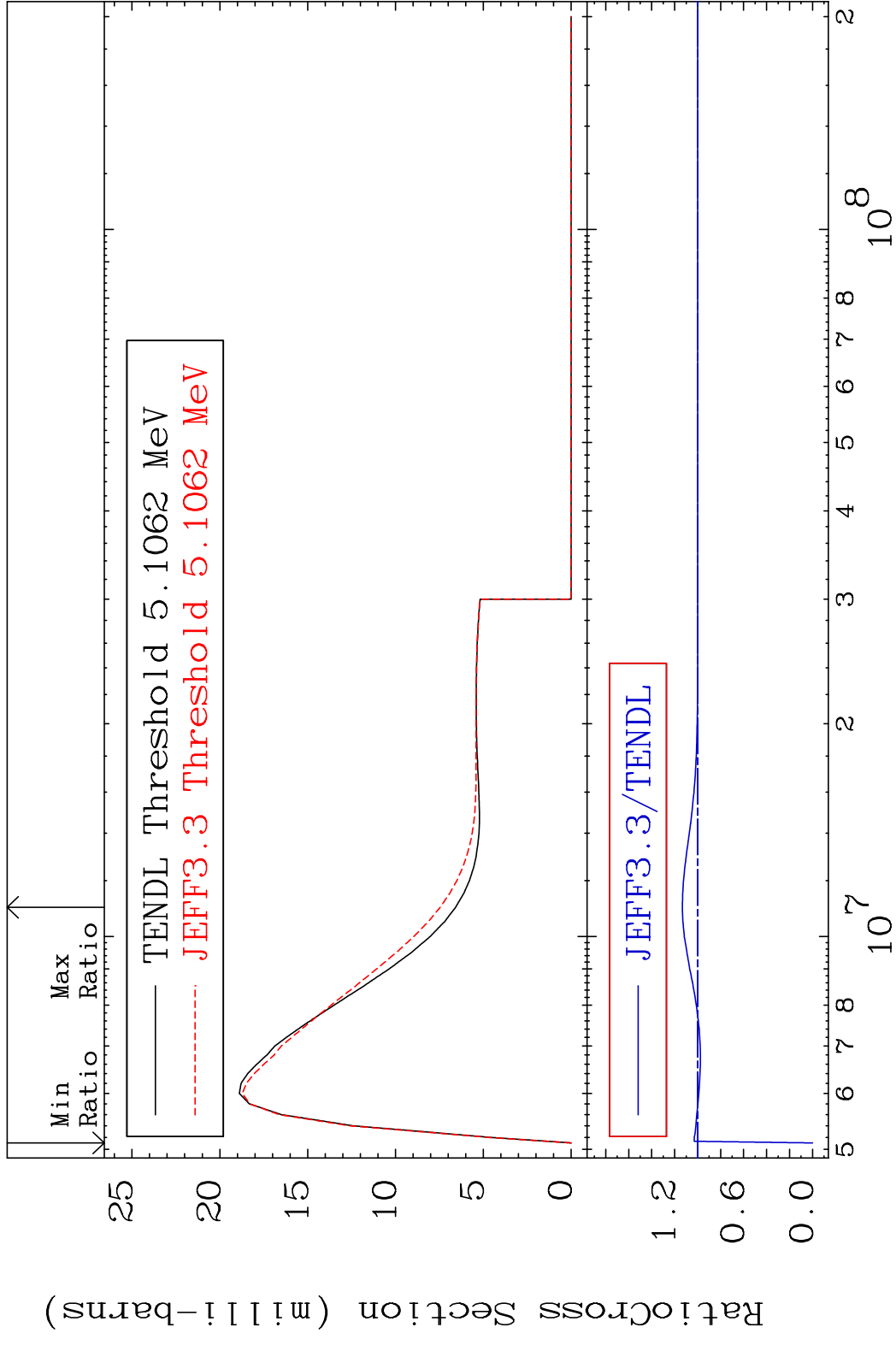
MAT 1634 MT= 74 (n, n') Level 16-S -35
 Cross Section -3.833 To 149.8 %



MAT 1634 MT= 75 (n,n') Level 16-S -35
 Cross Section -0.356 To 152.4 %

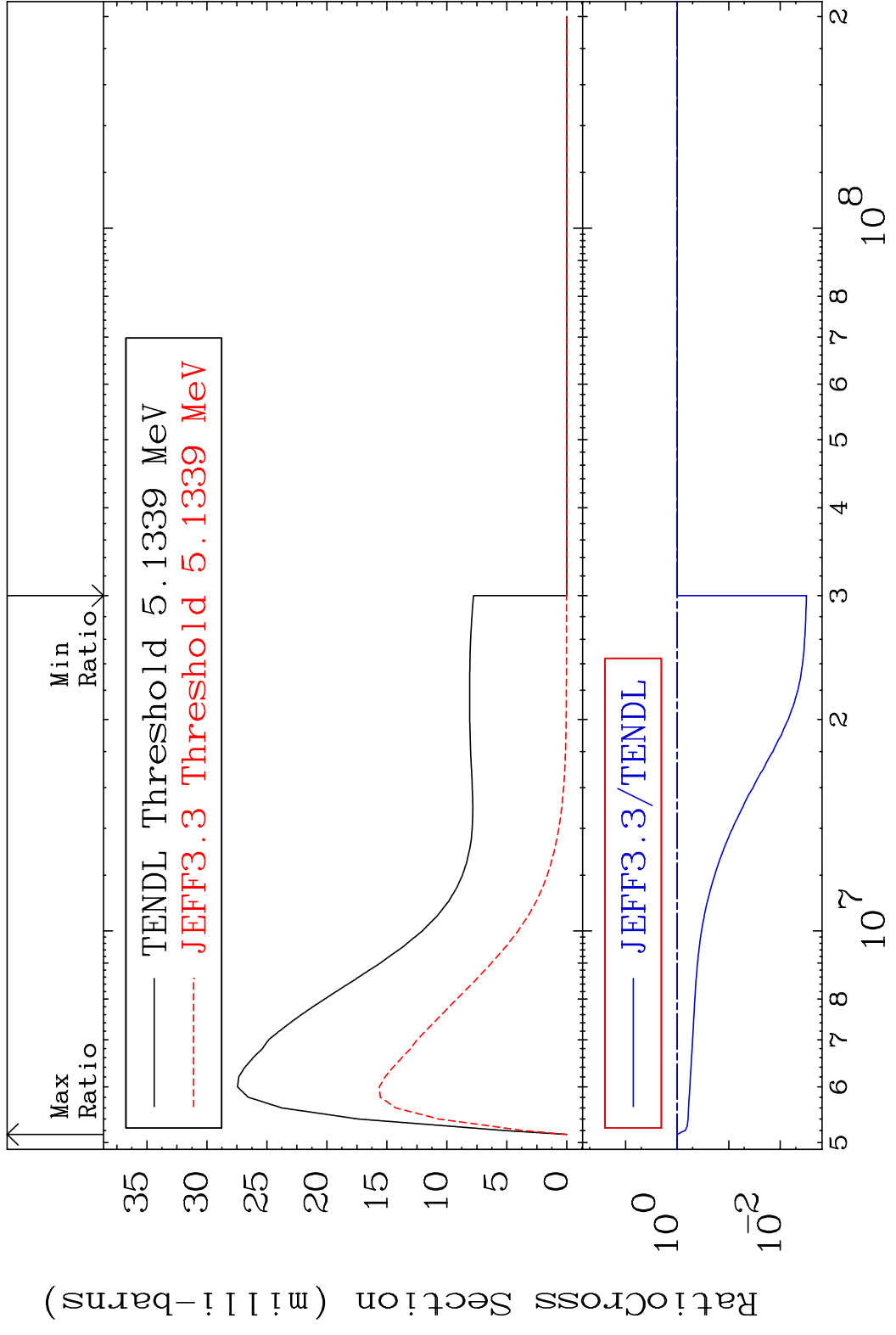


MAT 1634 MT= 76 (n, n') Level 16-S -35
 Cross Section -100.0 To 13.32 %

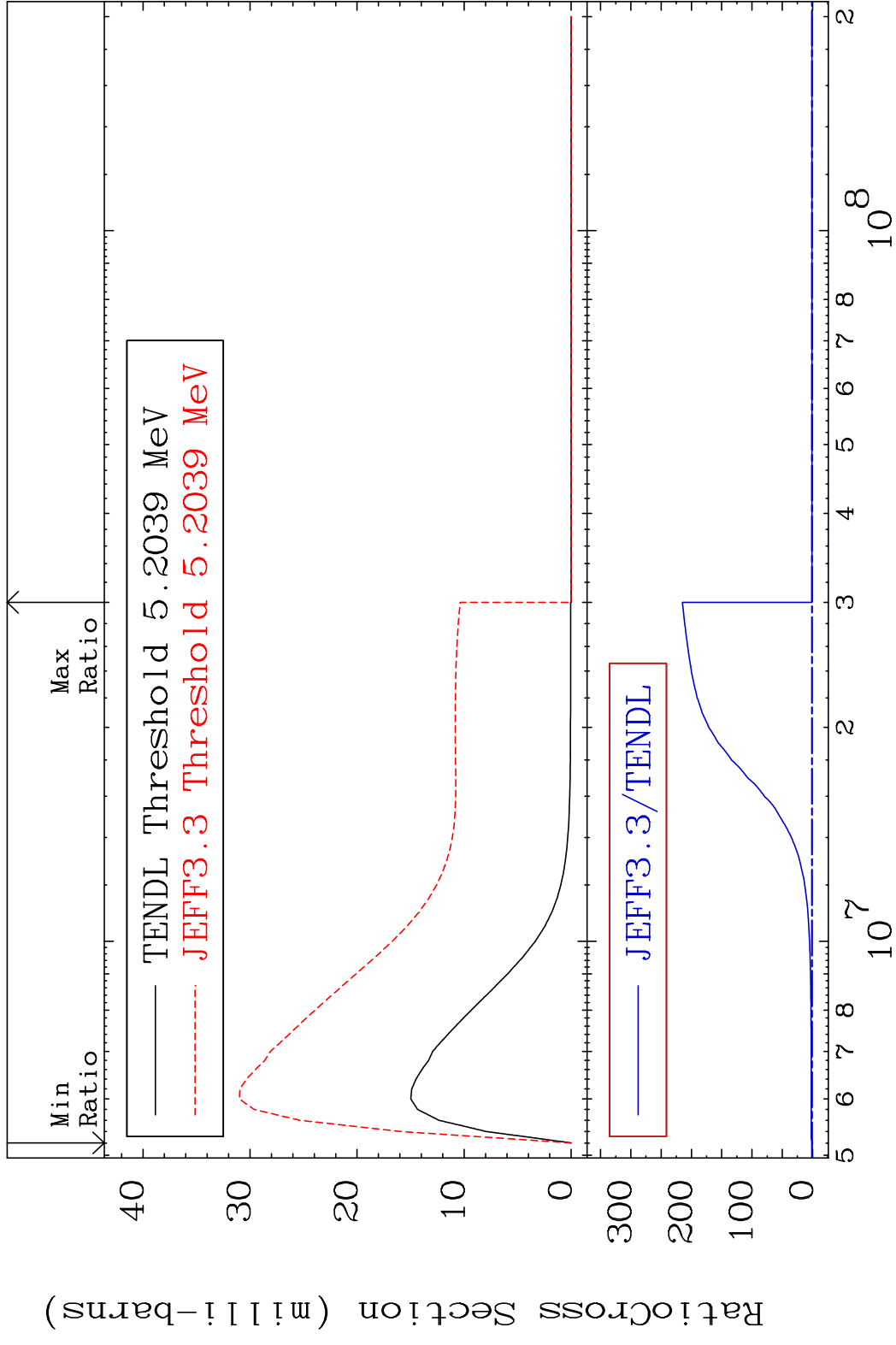


45 Incident Energy (eV) 16-S -35

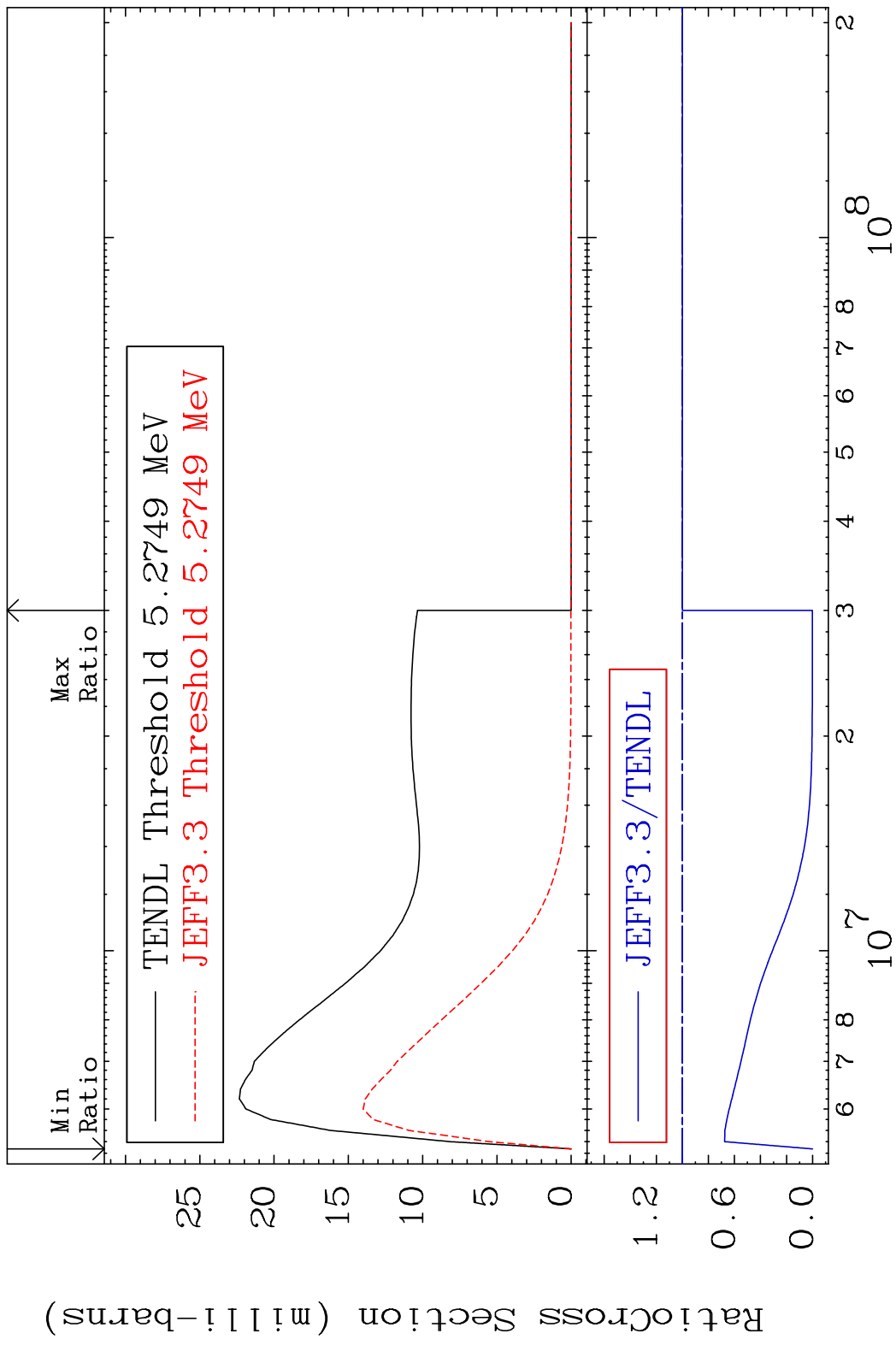
MAT 1634 MT= 77 (n,n') Level 16-S -35
 Cross Section -99.69 To 0.000 %



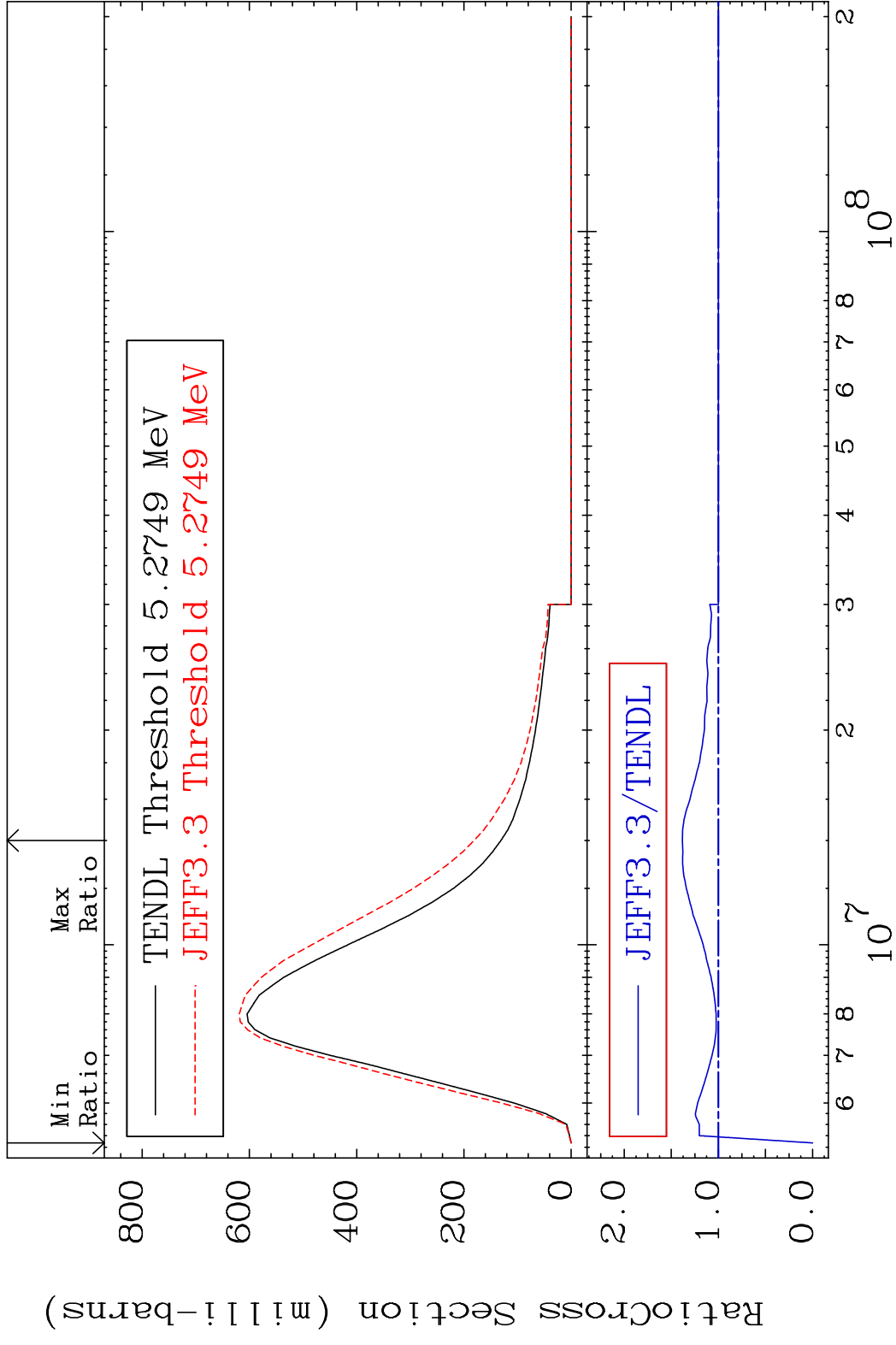
MAT 1634 MT= 78 (n, n') Level 16-S -35
 Cross Section -100.0 To 9999. %



MAT 1634 MT= 79 (n, n') Level 16-S -35
 Cross Section -100.0 To 0.000 %



MAT 1634 (n,n') Continuum 16-S -35
 Cross Section -100.0 To 38.26 %

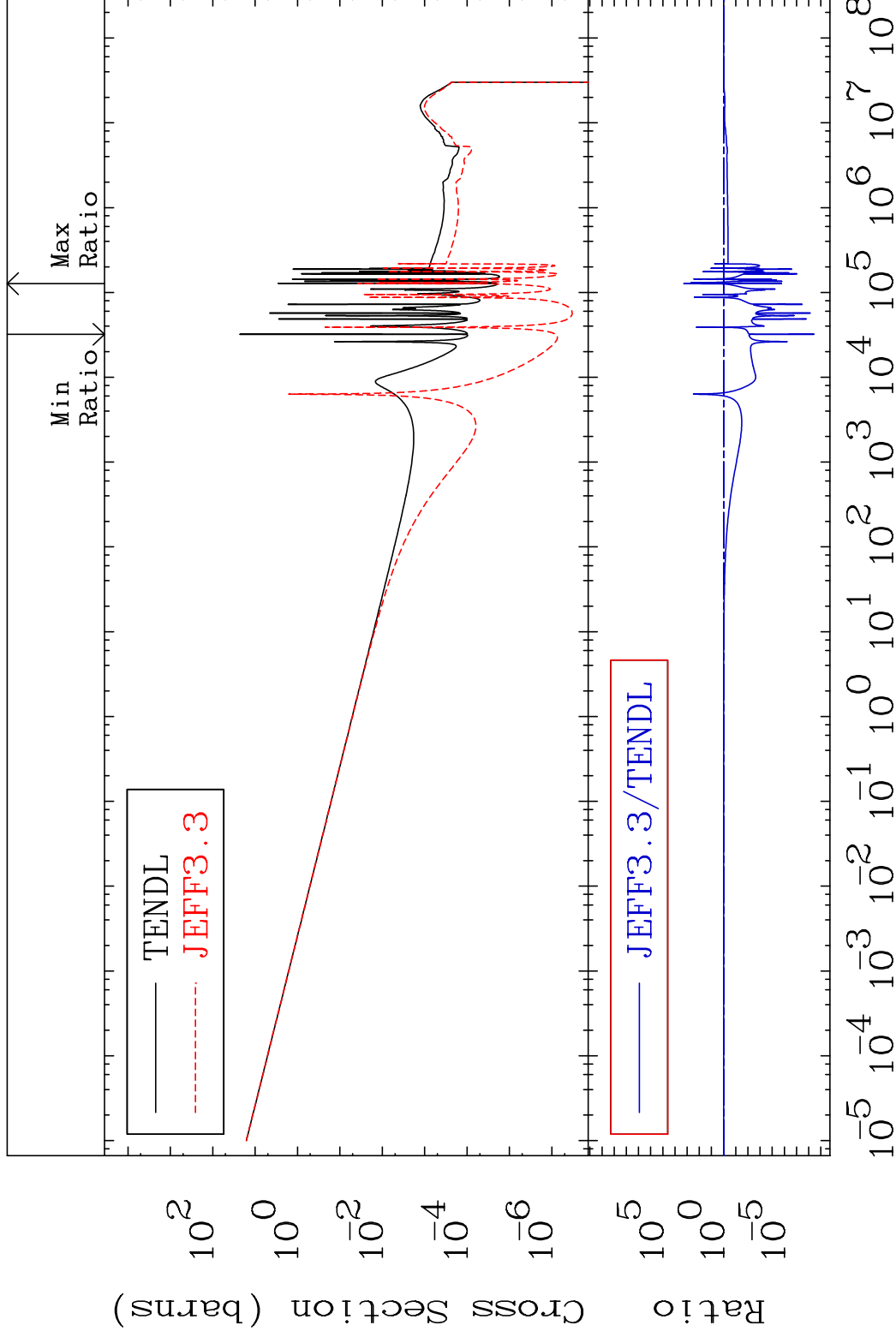


MAT 1634

(n, γ)

16-S -35

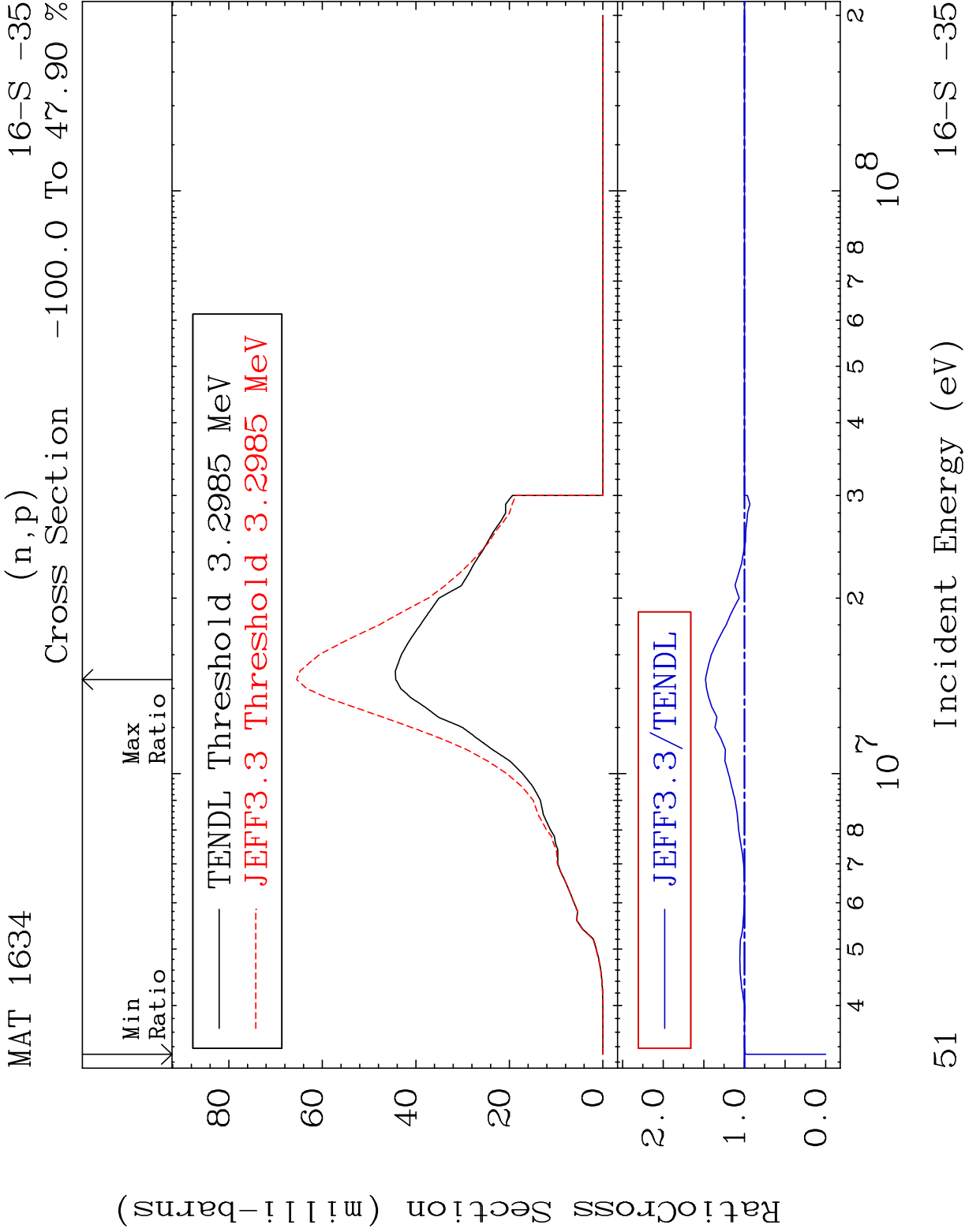
Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

16-S -35

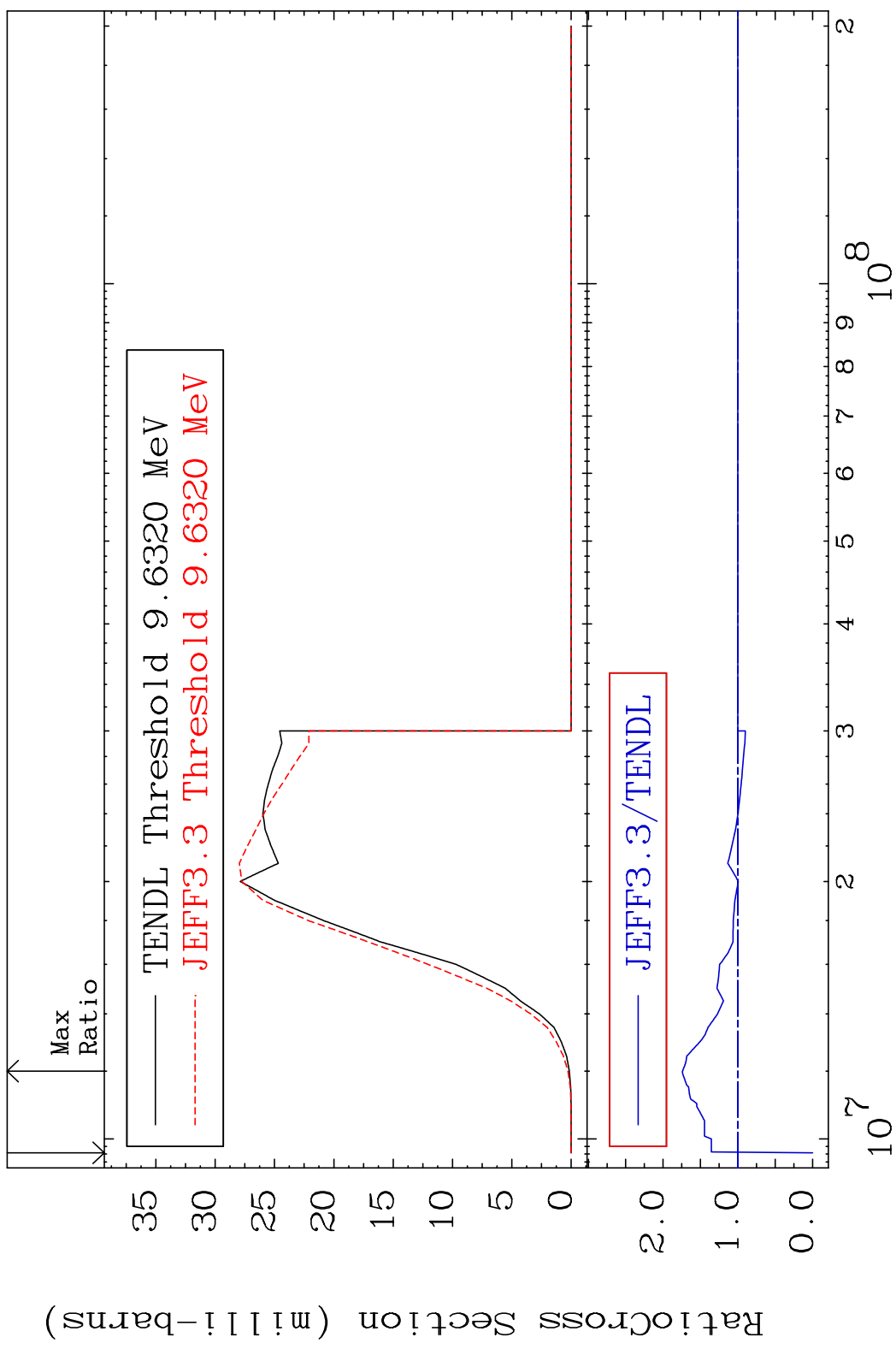


MAT 1634

(n,d)

16-S -35

Cross Section -100.0 To 74.21 %



52

Incident Energy (eV)

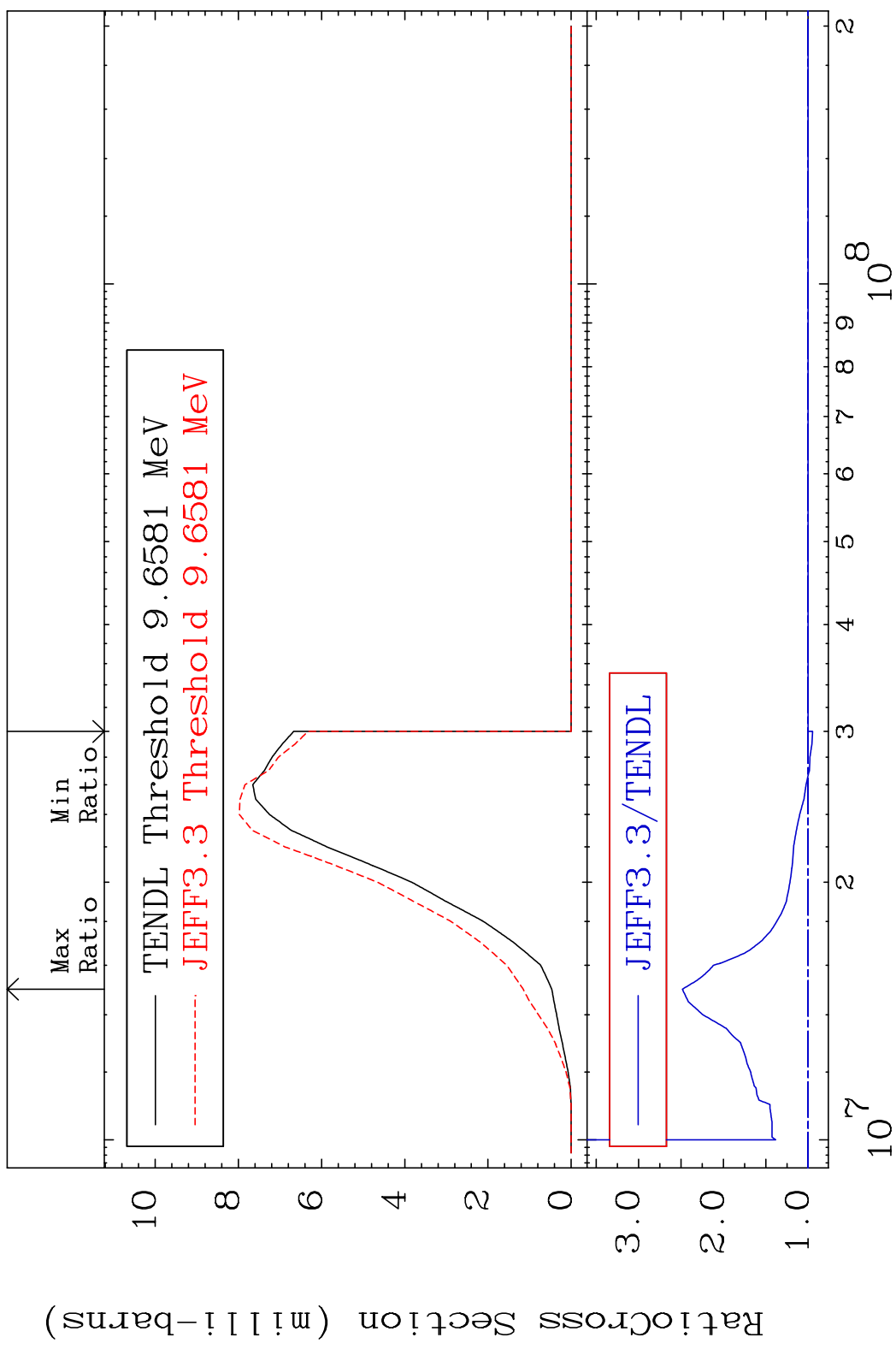
16-S -35

MAT 1634

(n, t)

16-S -35

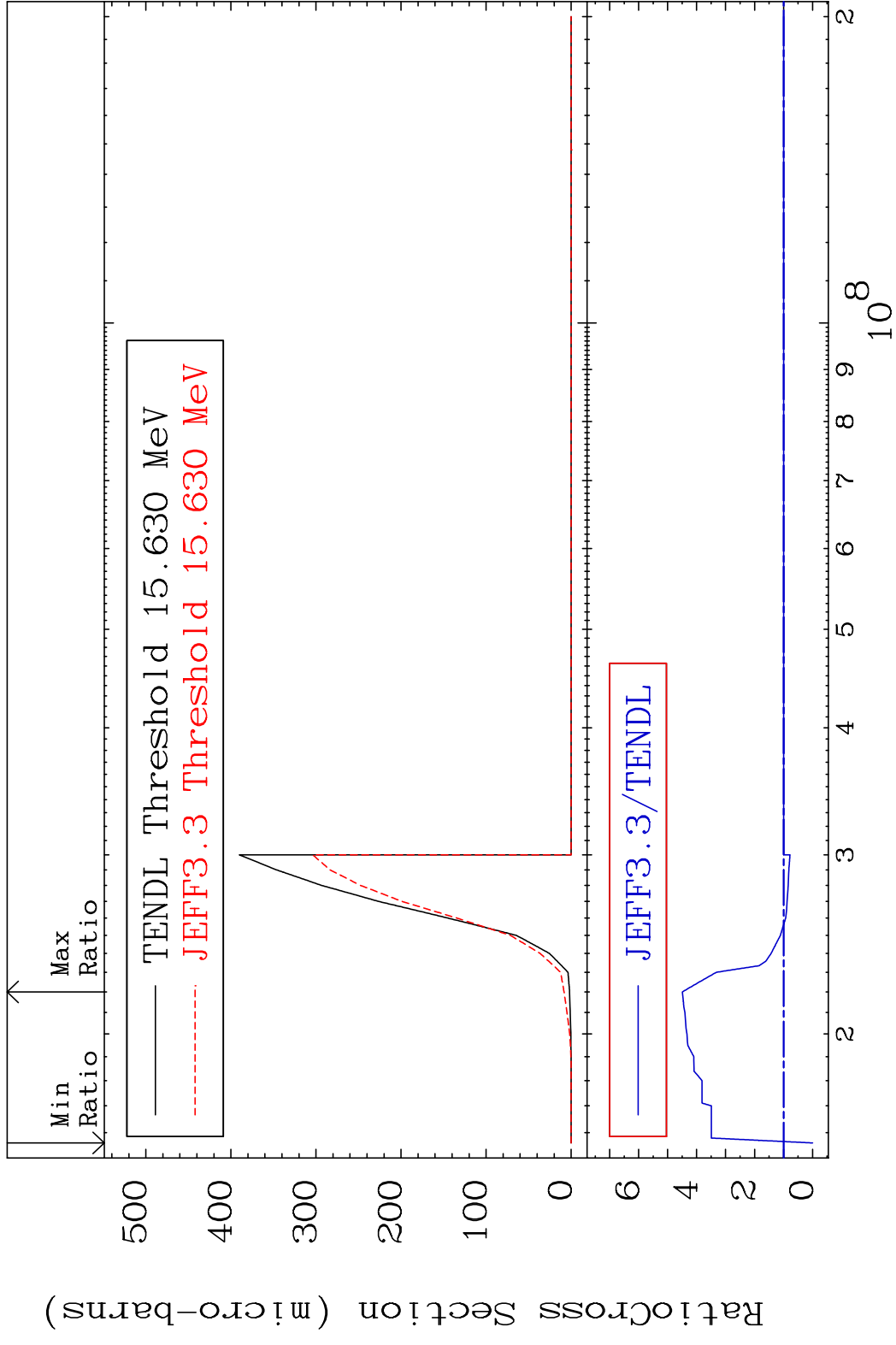
Cross Section -5.199 To 148.4 %



53

16-S -35

MAT 1634 (n, He-3) 16-S -35
 Cross Section -100.0 To 349.2 %

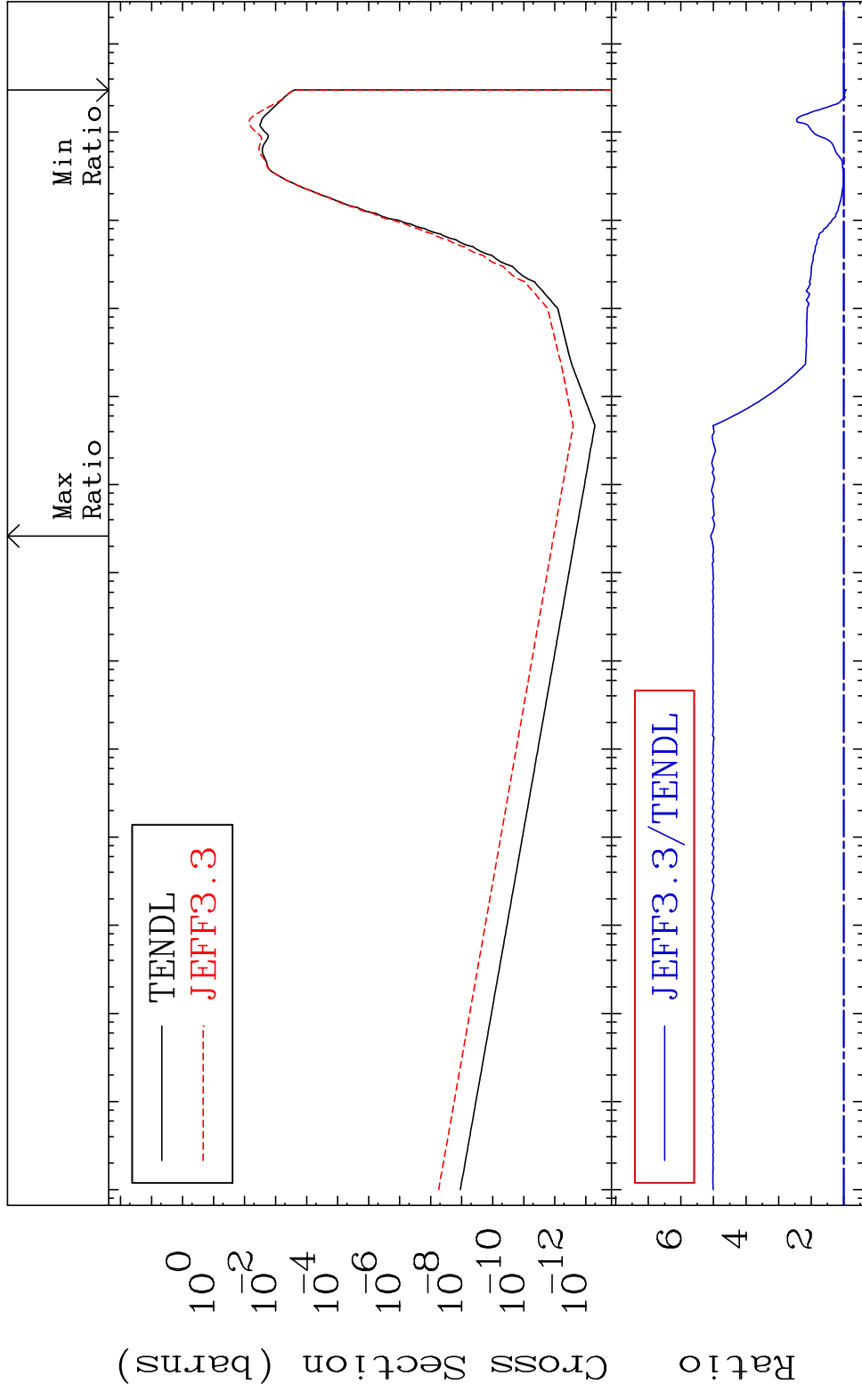


MAT 1634

16-S -35

(n, α)

Cross Section -7.872 To 408.4 %

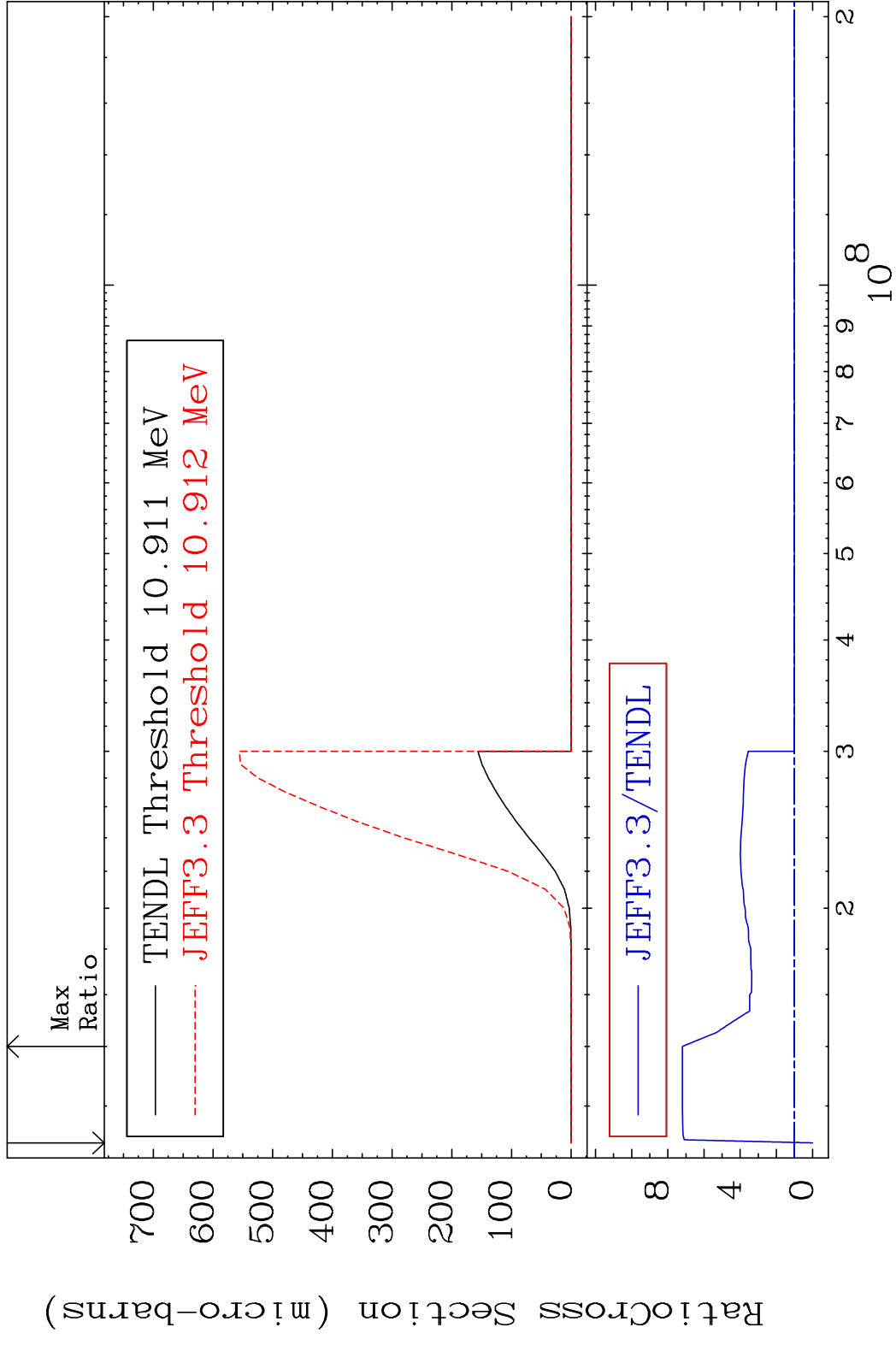


55

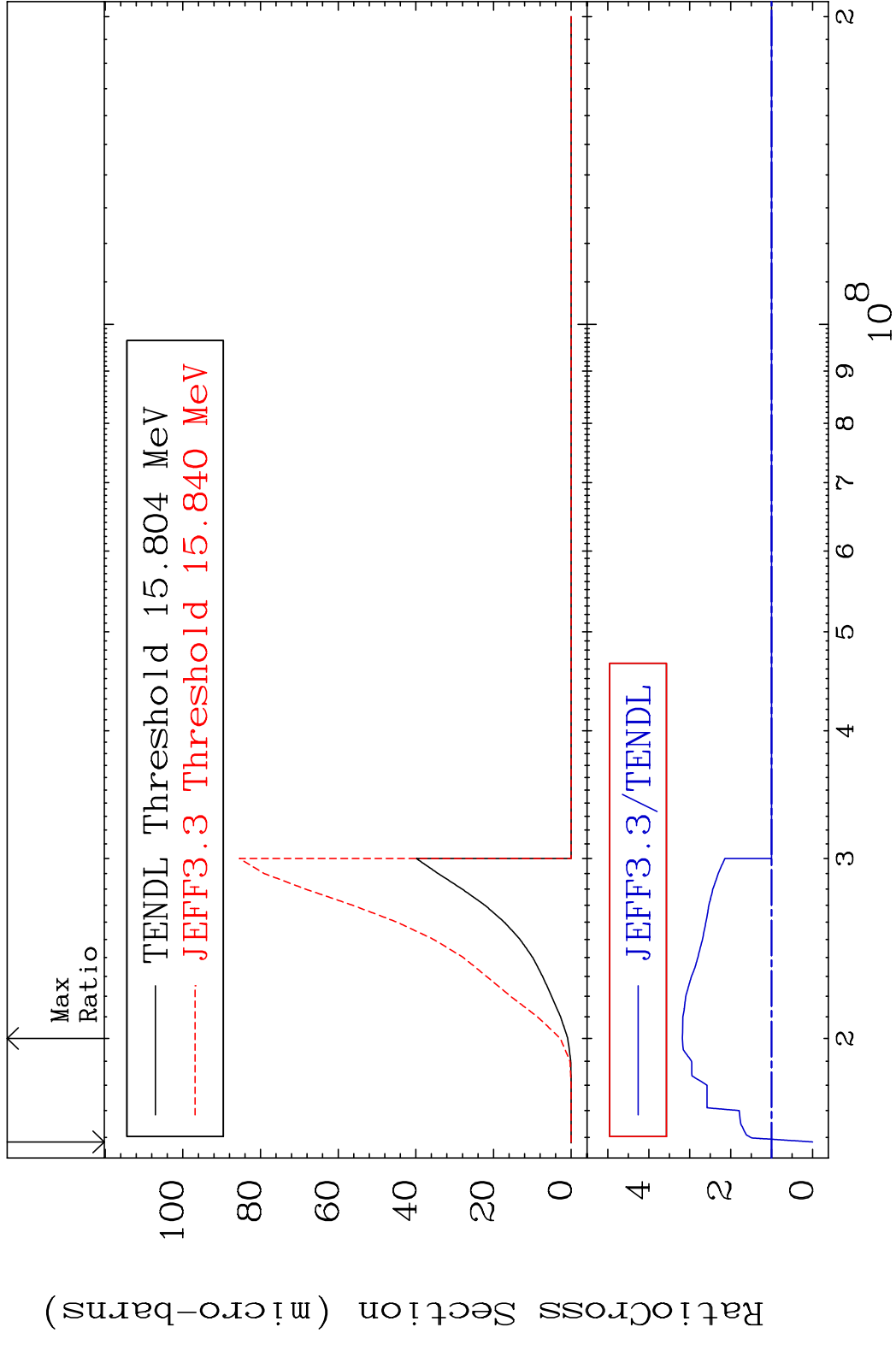
Incident Energy (eV)

16-S -35

MAT 1634 (n,2α) 16-S -35
 Cross Section -100.0 To 619.8 %



MAT 1634 (n,2p) 16-S -35
 Cross Section -100.0 To 218.1 %

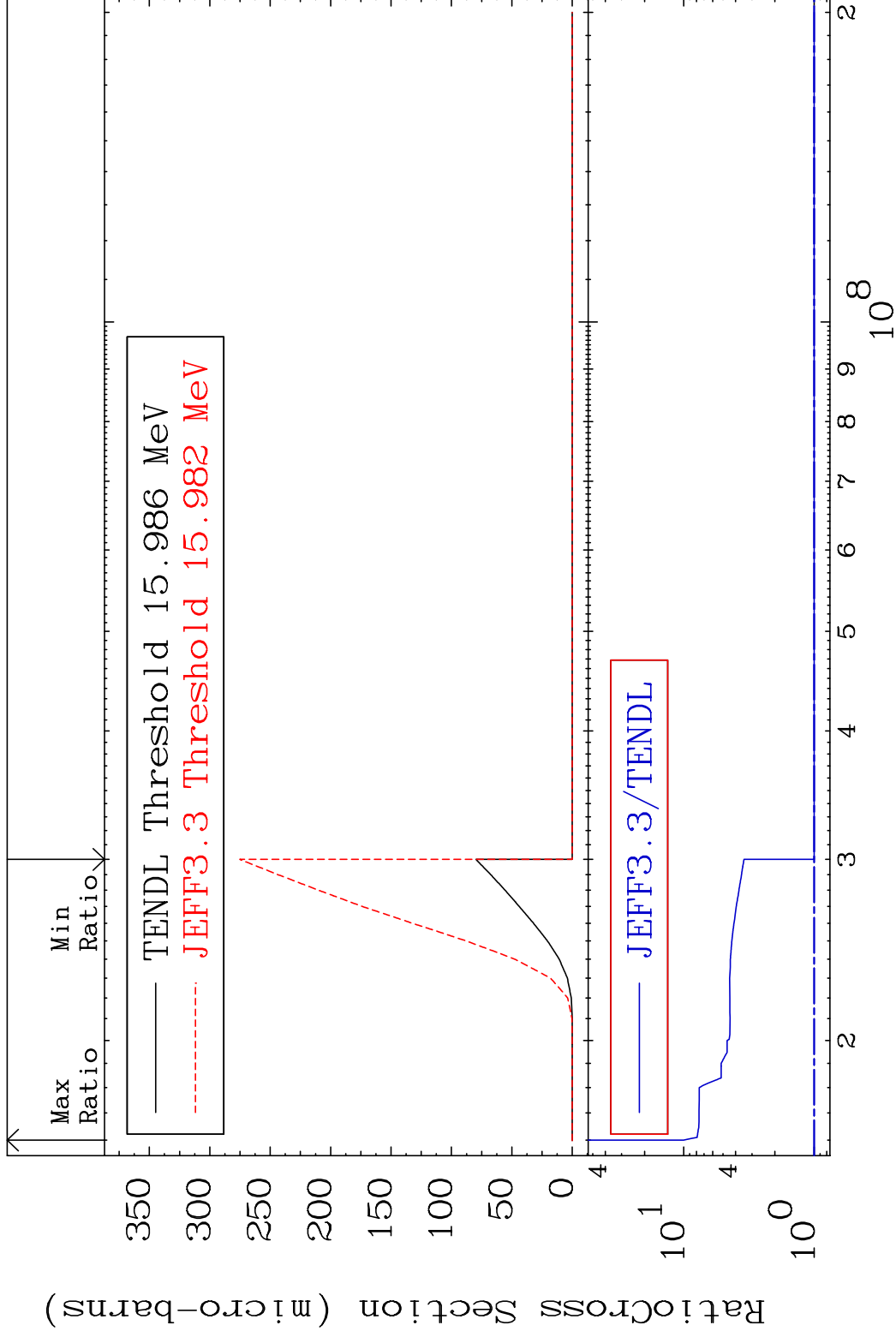


MAT 1634

(n,p) α

16-S -35

Cross Section 0.000 To 901.8 %

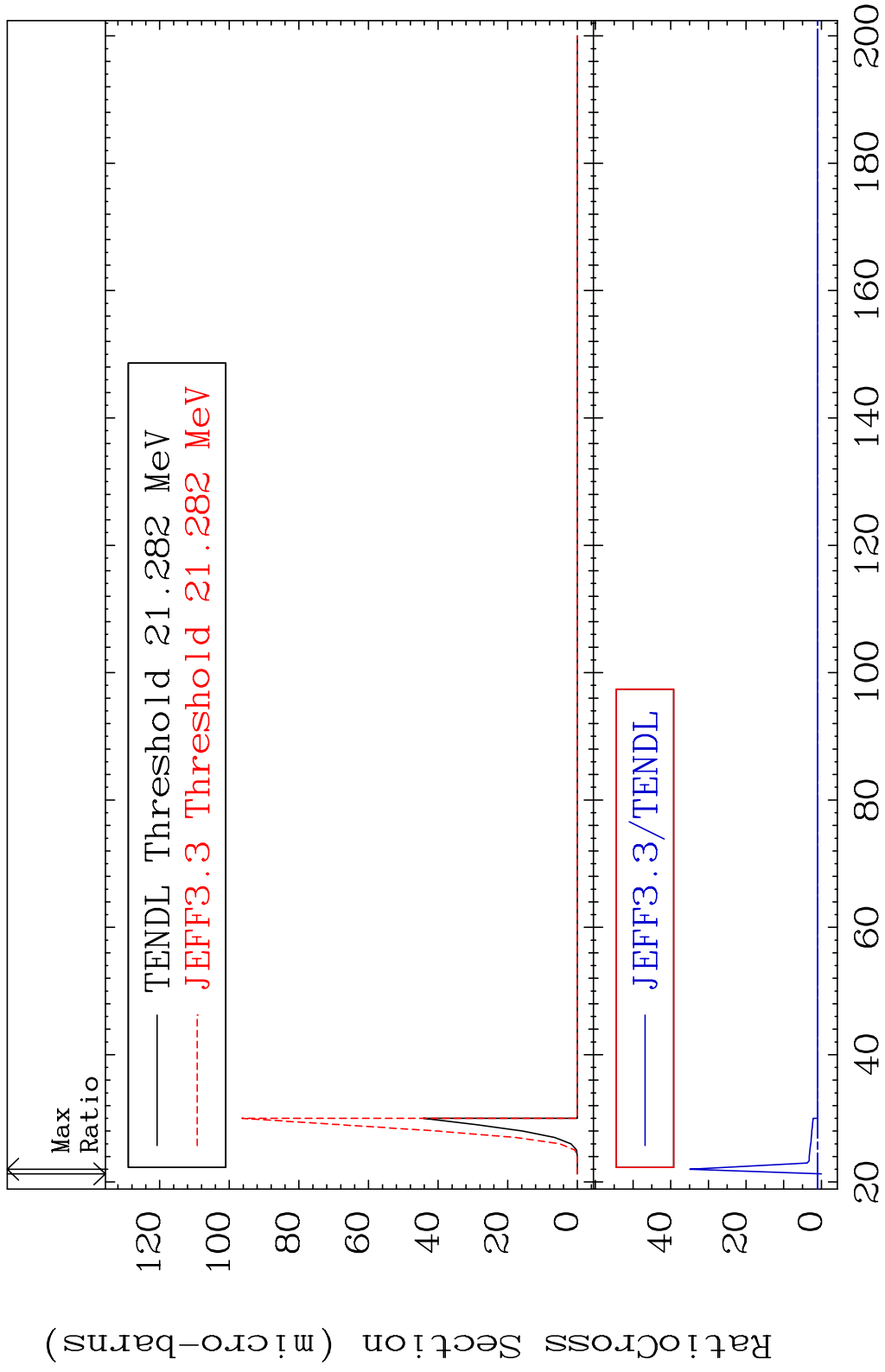


58

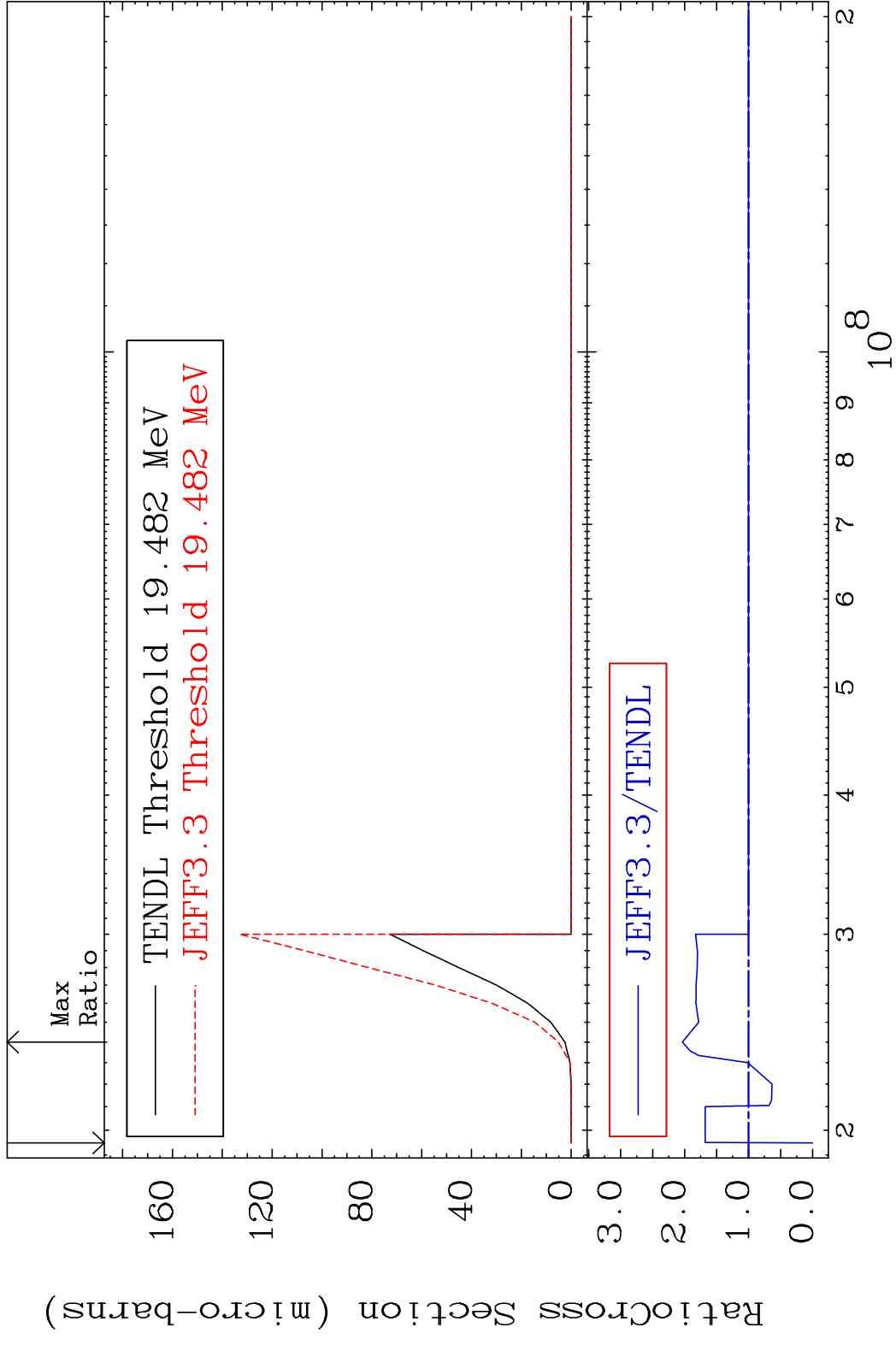
Incident Energy (eV)

16-S -35

MAT 1634 (n,p) d 16-S -35
Cross Section -100.0 To 3394. %

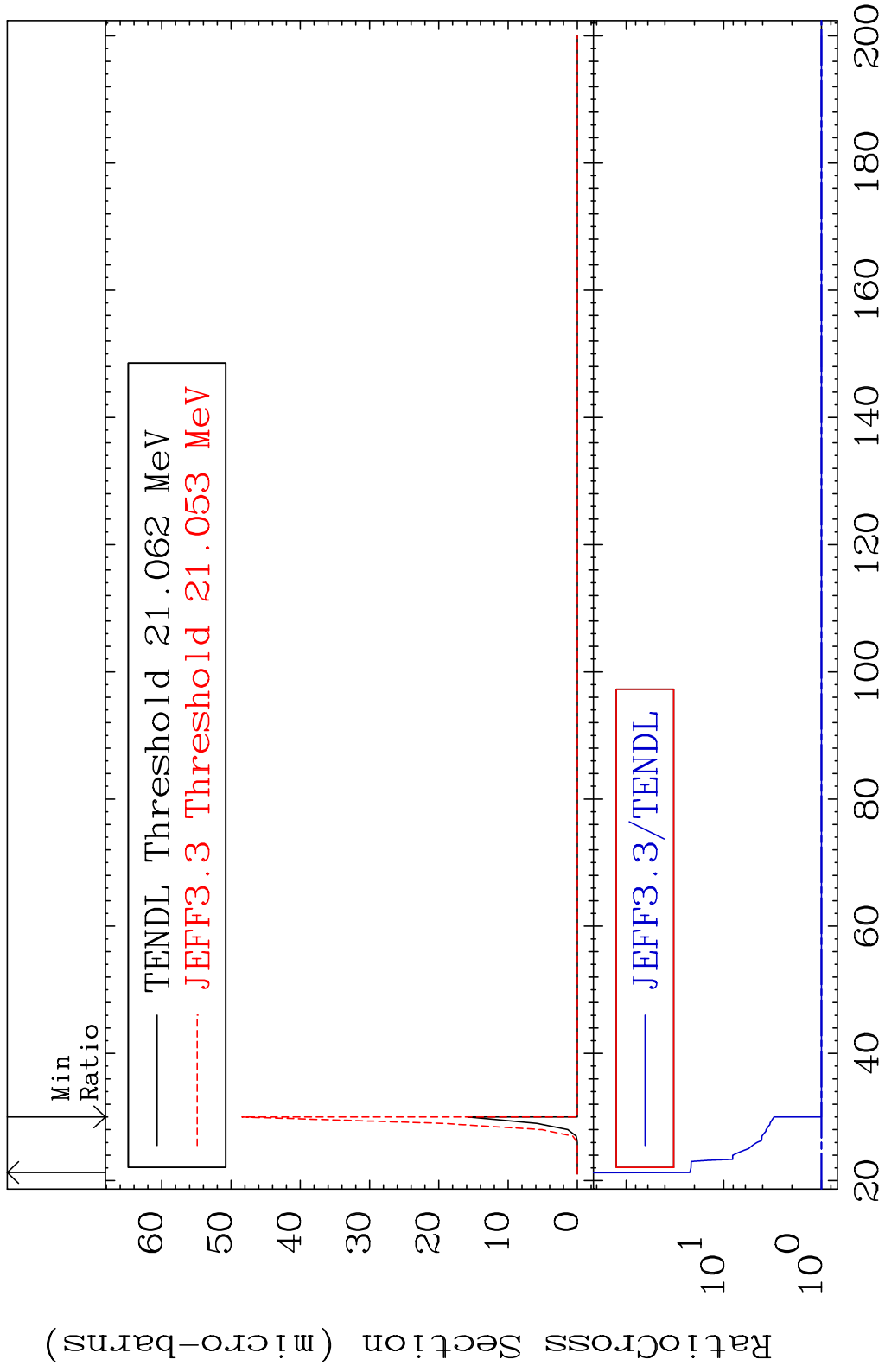


MAT 1634 (n,p) t 16-S -35
 Cross Section -100.0 To 103.6 %



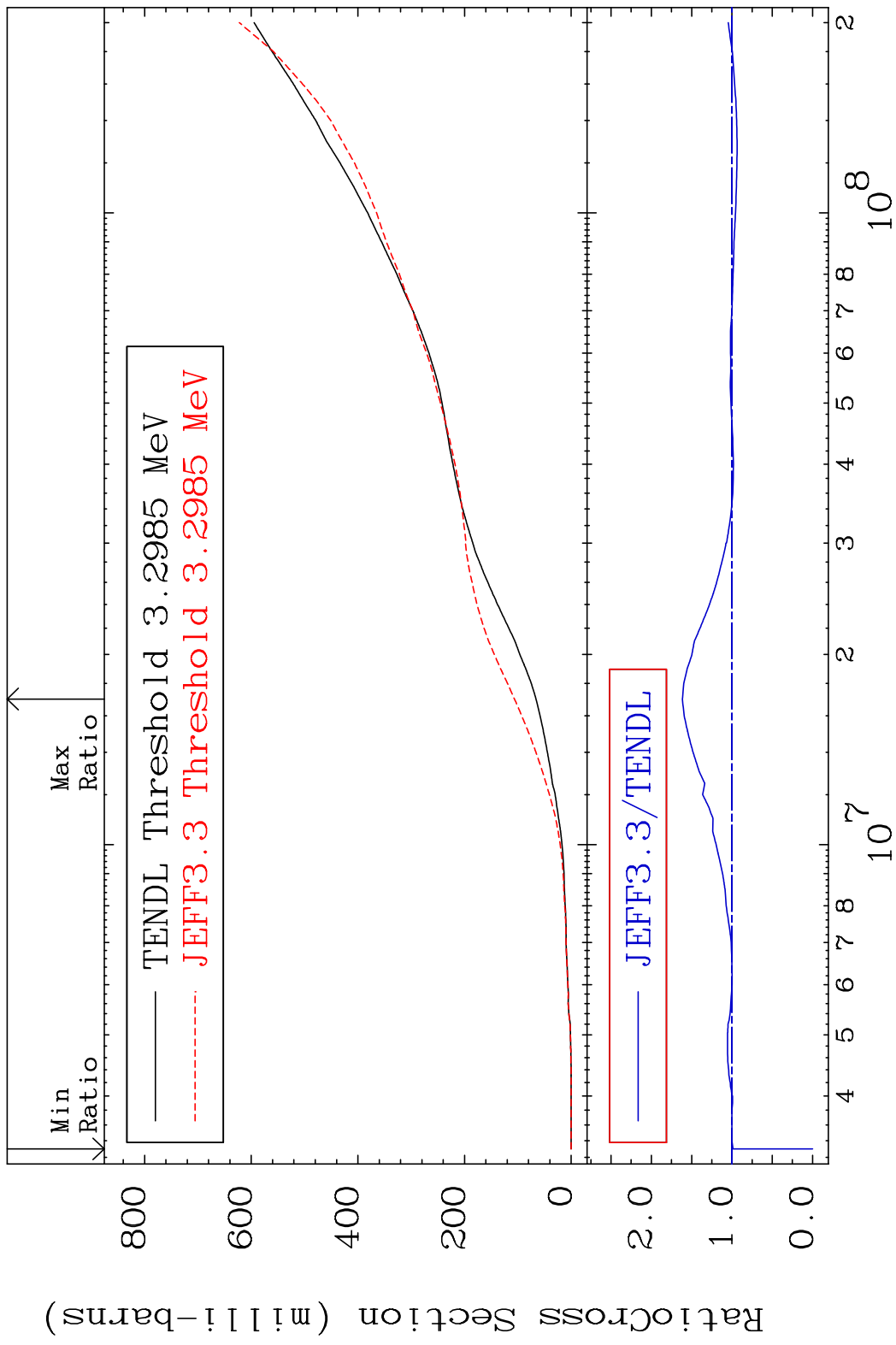
60 16-S -35

MAT 1634 (n,d) α 16-S -35
 Cross Section 0.000 To 2129. %

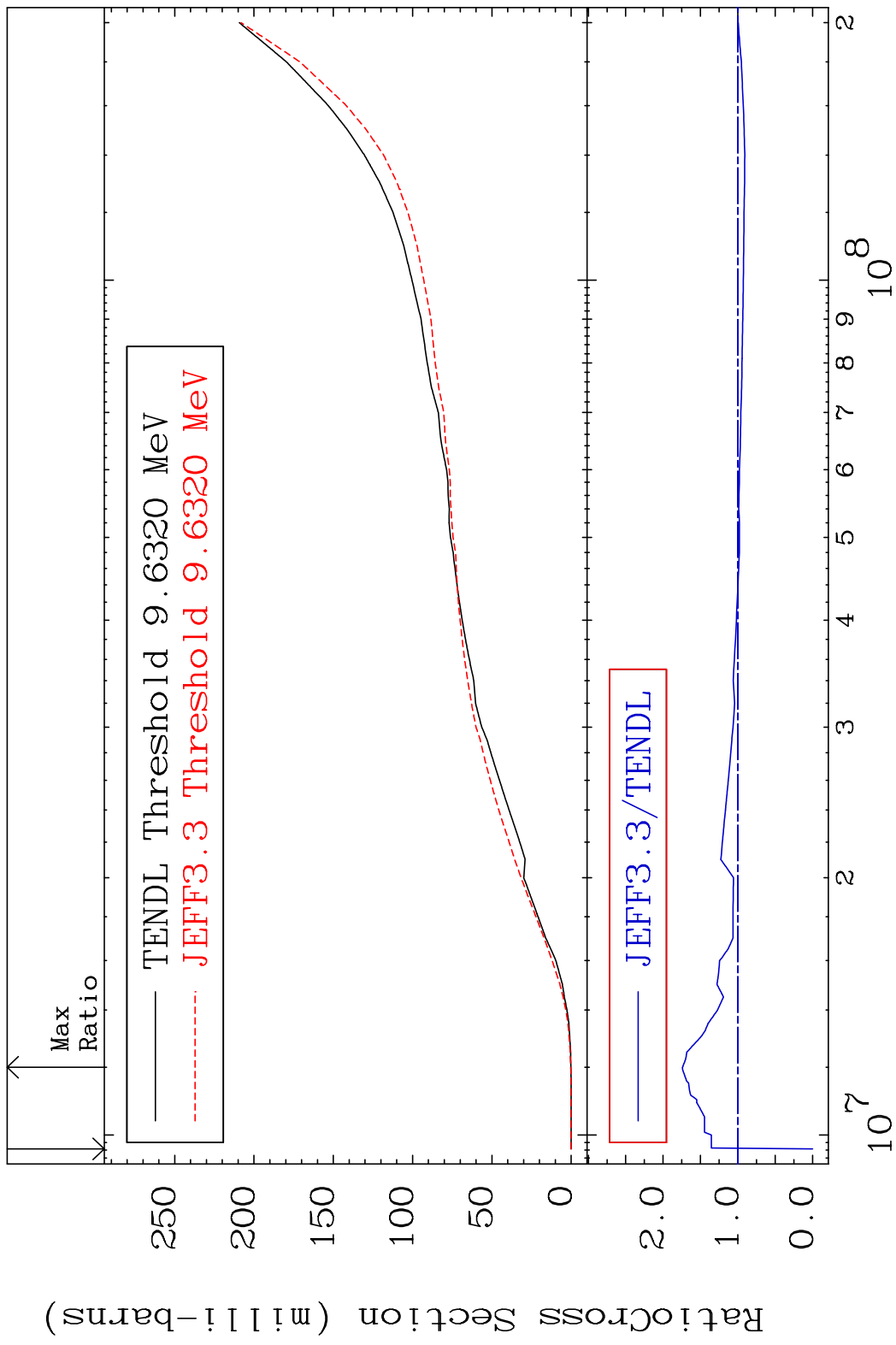


61 16-S -35

MAT 1634 Hydrogen Production 16-S -35
 Cross Section -100.0 To 61.51 %

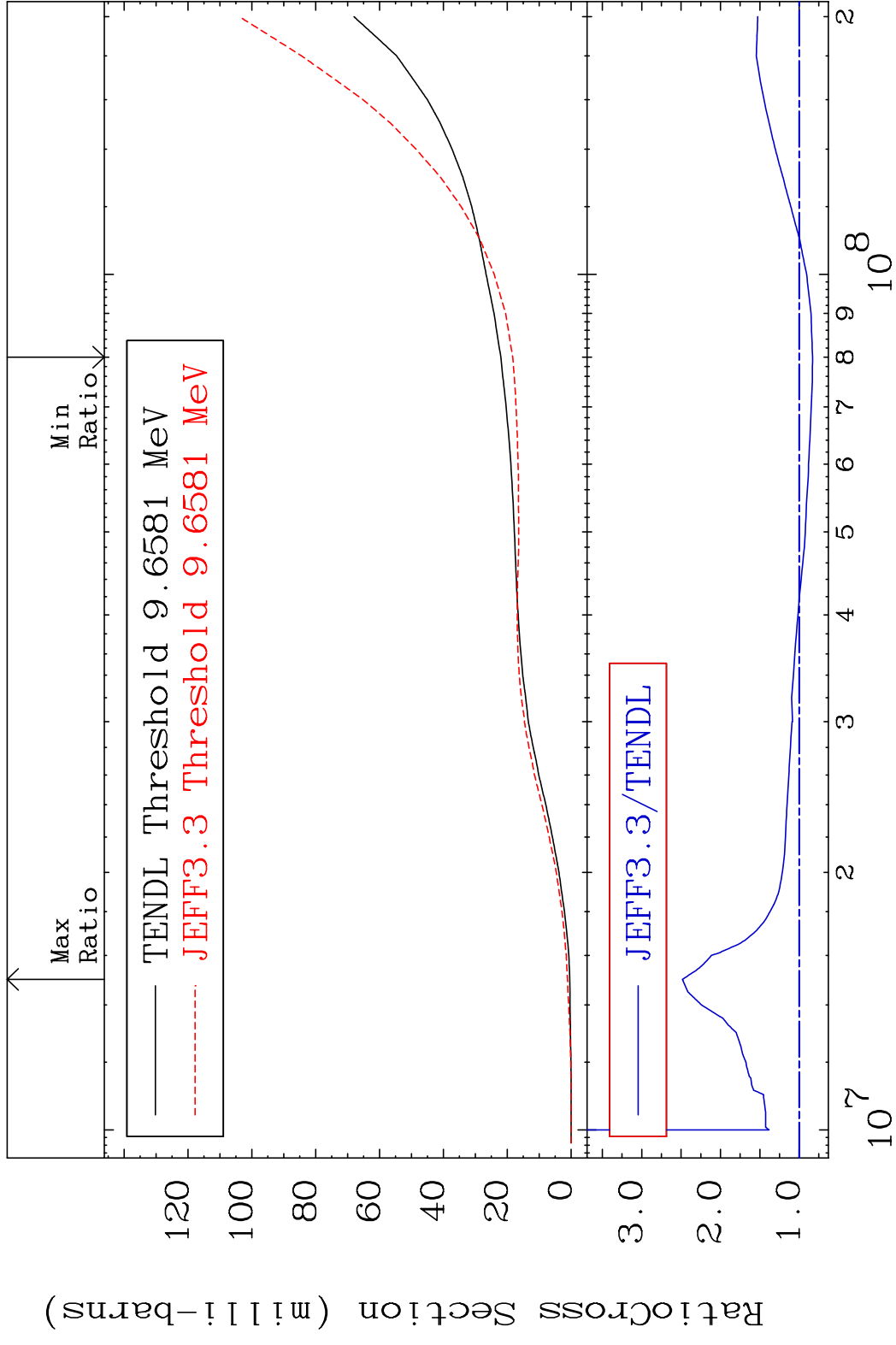


MAT 1634 Deuterium Production 16-S -35
 Cross Section -100.0 To 74.21 %



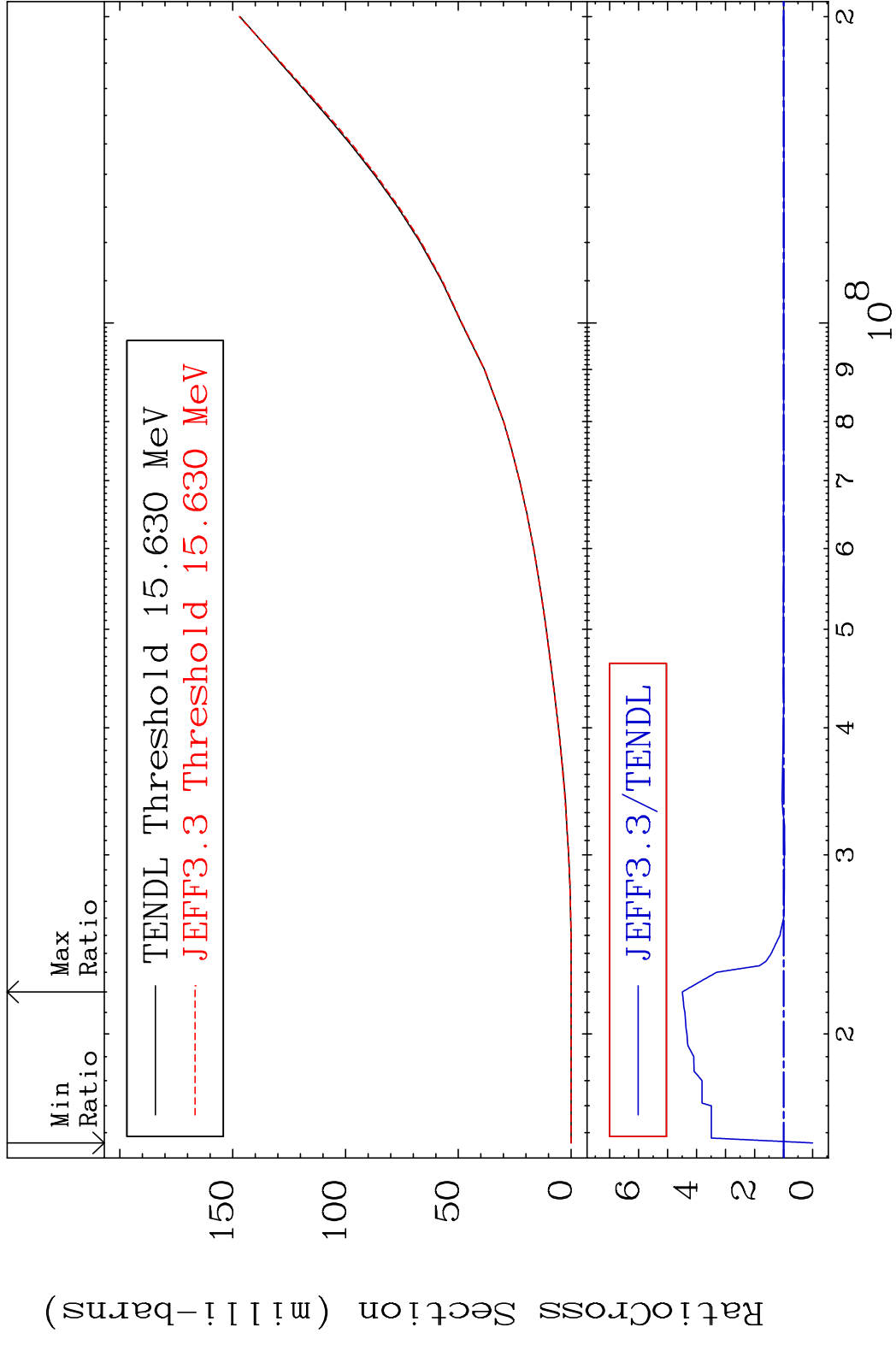
63 16-S -35

MAT 1634 Tritium Production 16-S -35
 Cross Section -16.97 To 148.4 %



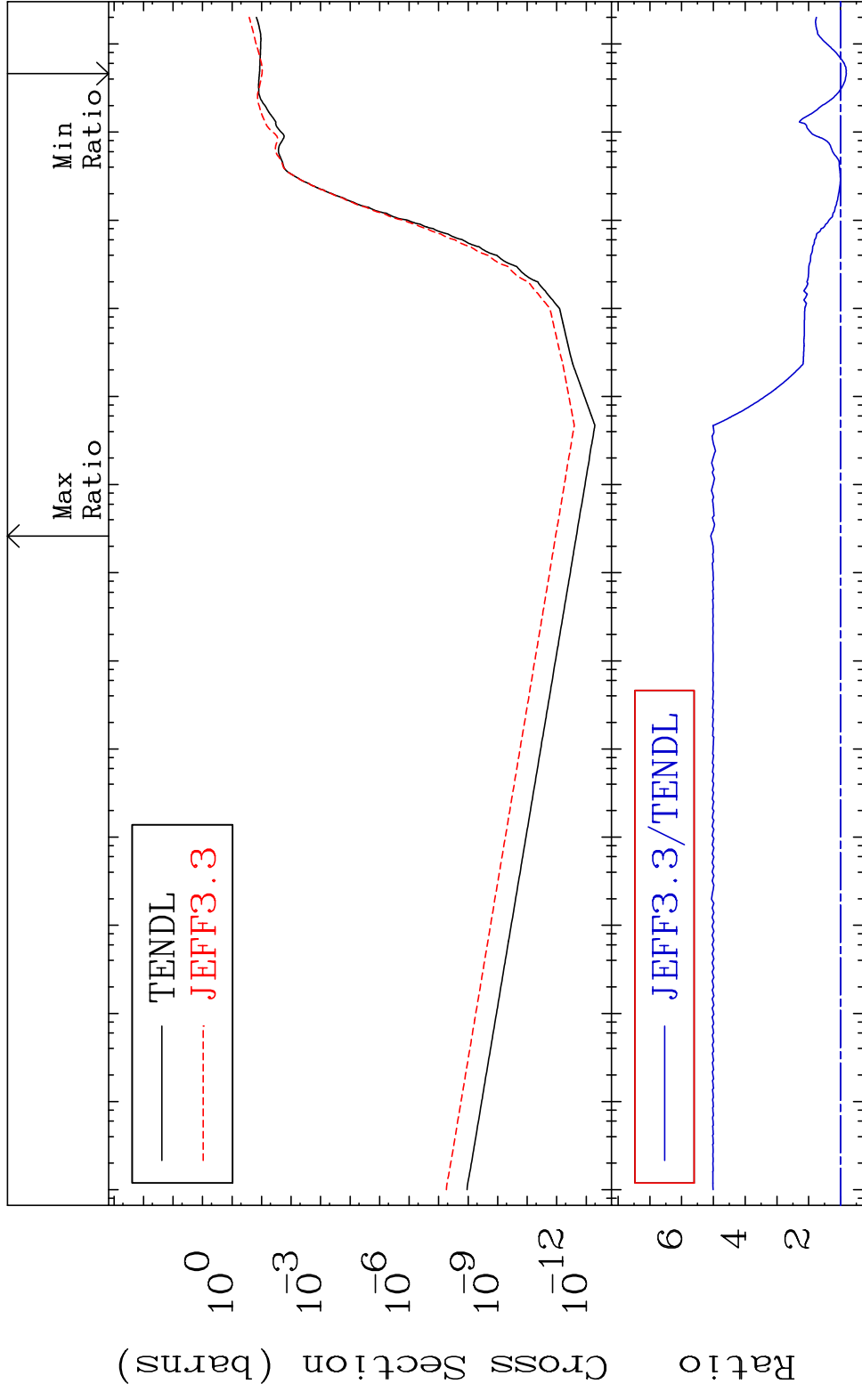
64 16-S -35

MAT 1634 He-3 Production 16-S -35
 Cross Section -100.0 To 349.2 %

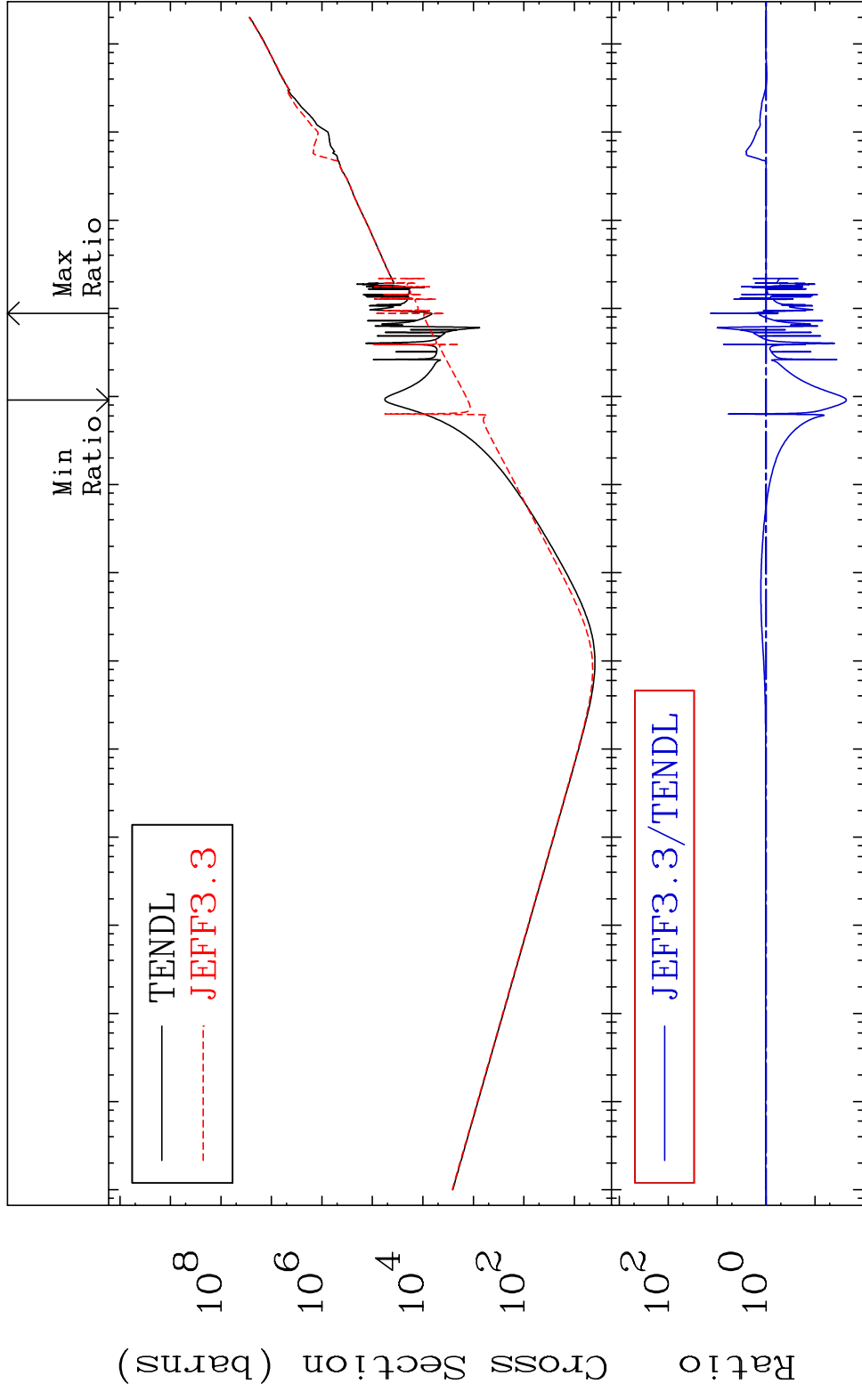


MAT 1634

He-4 Production Cross Section -18.43 To 408.4 %
16-S -35



MAT 1634 Kerma total (eV-barns) 16-S -35
 Cross Section -97.70 To 1257. %



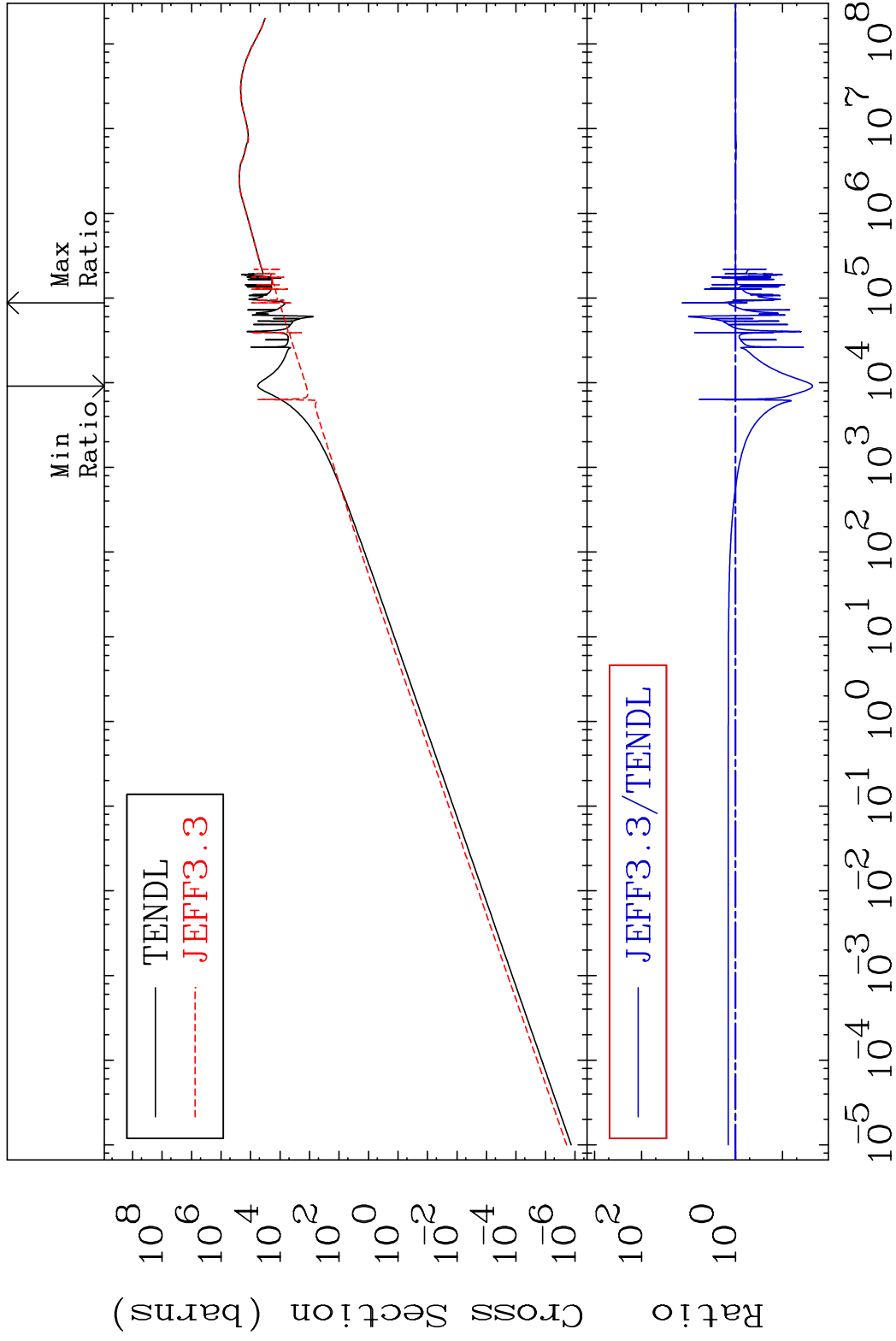
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

67 Incident Energy (eV) 16-S -35

MAT 1634

Kerma elastic
Cross Section

16-S -35
-97.70 To 1257. %

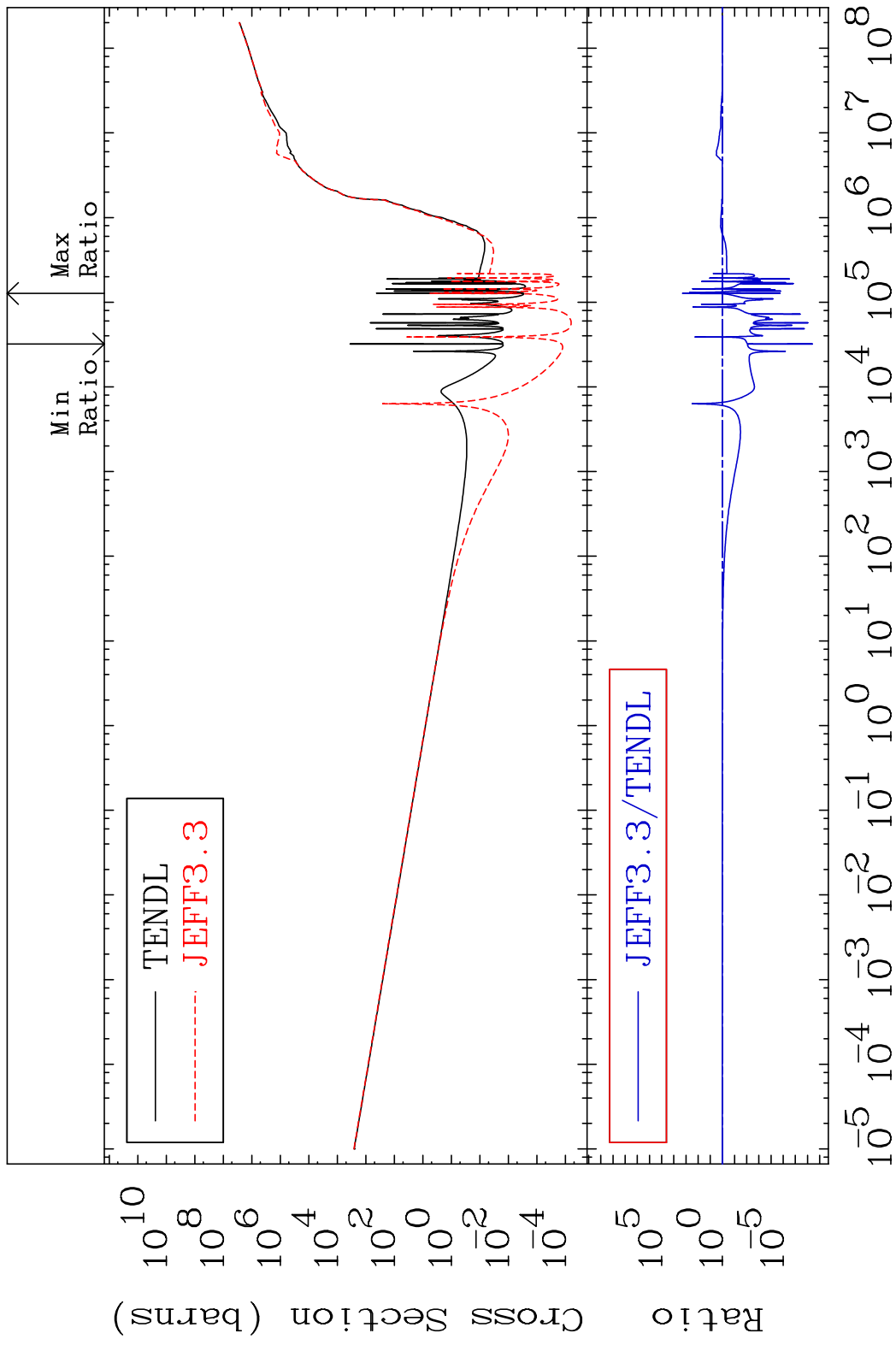


68

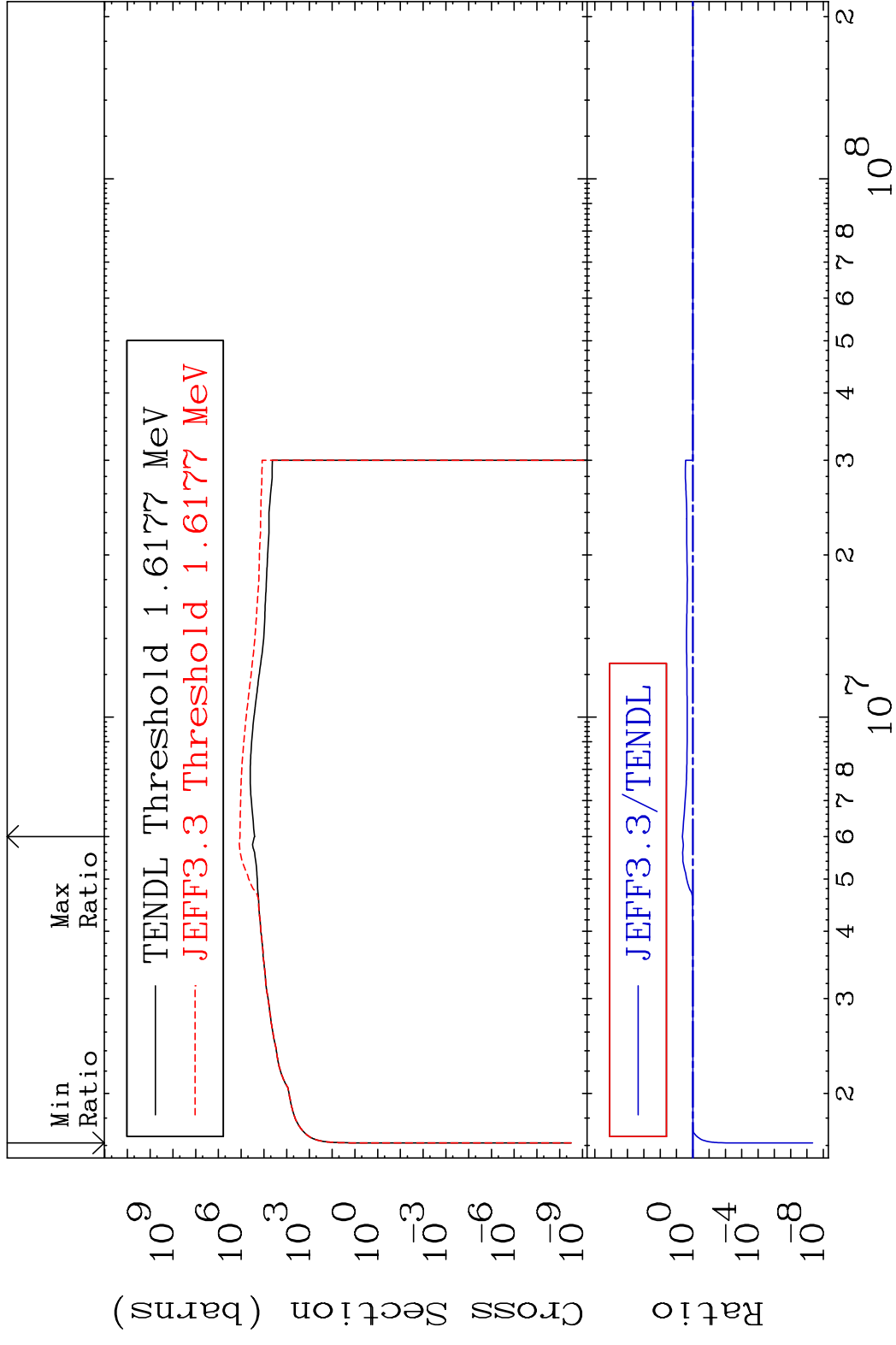
Incident Energy (eV)

16-S -35

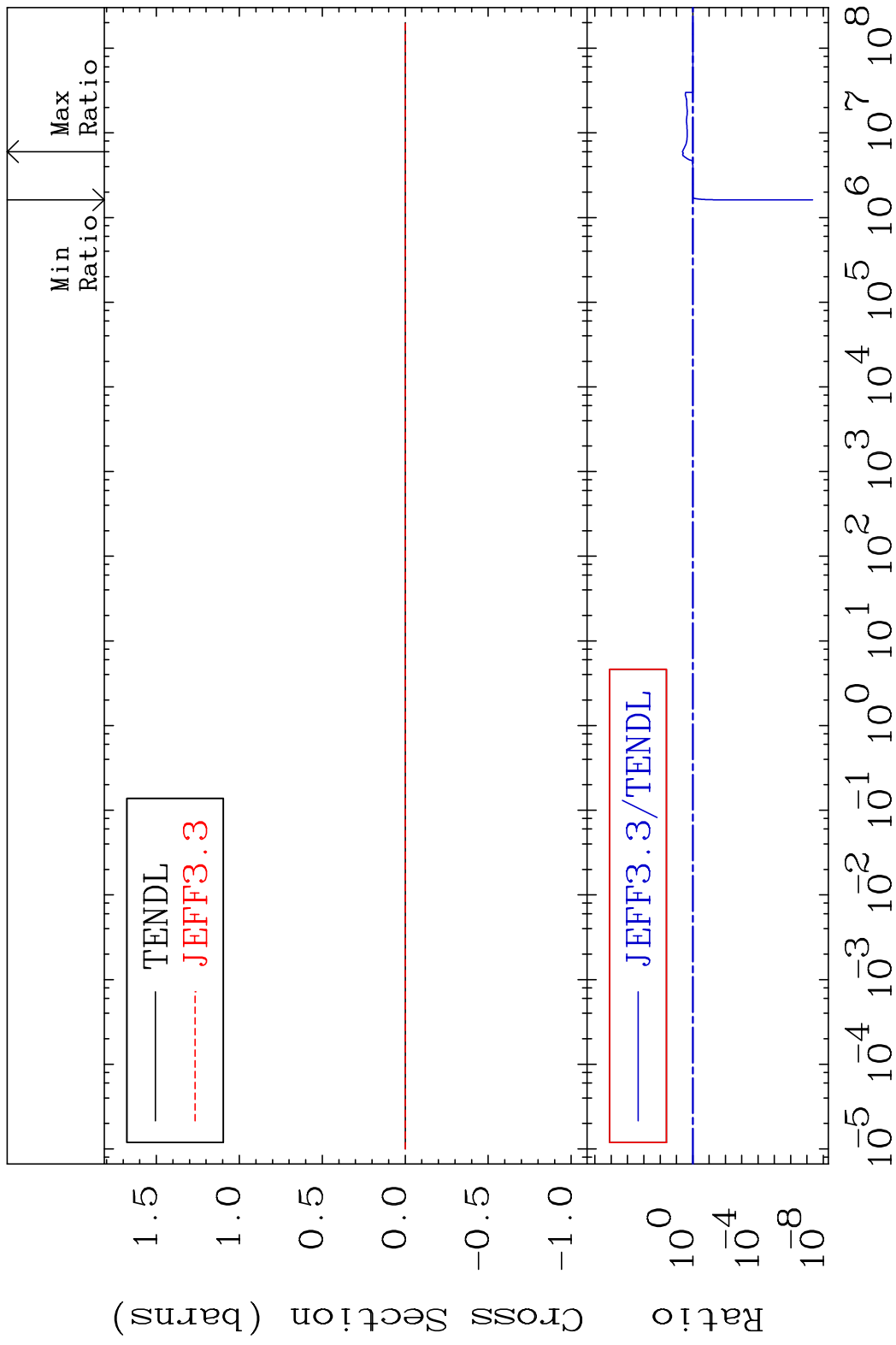
MAT 1634 Kerma non-elastic (all but mt2) 16-S -35
 Cross Section -100.0 To 9999. %



MAT 1634 Kerma inelastic (mt51-91) 16-S -35
 Cross Section -100.0 To 336.6 %

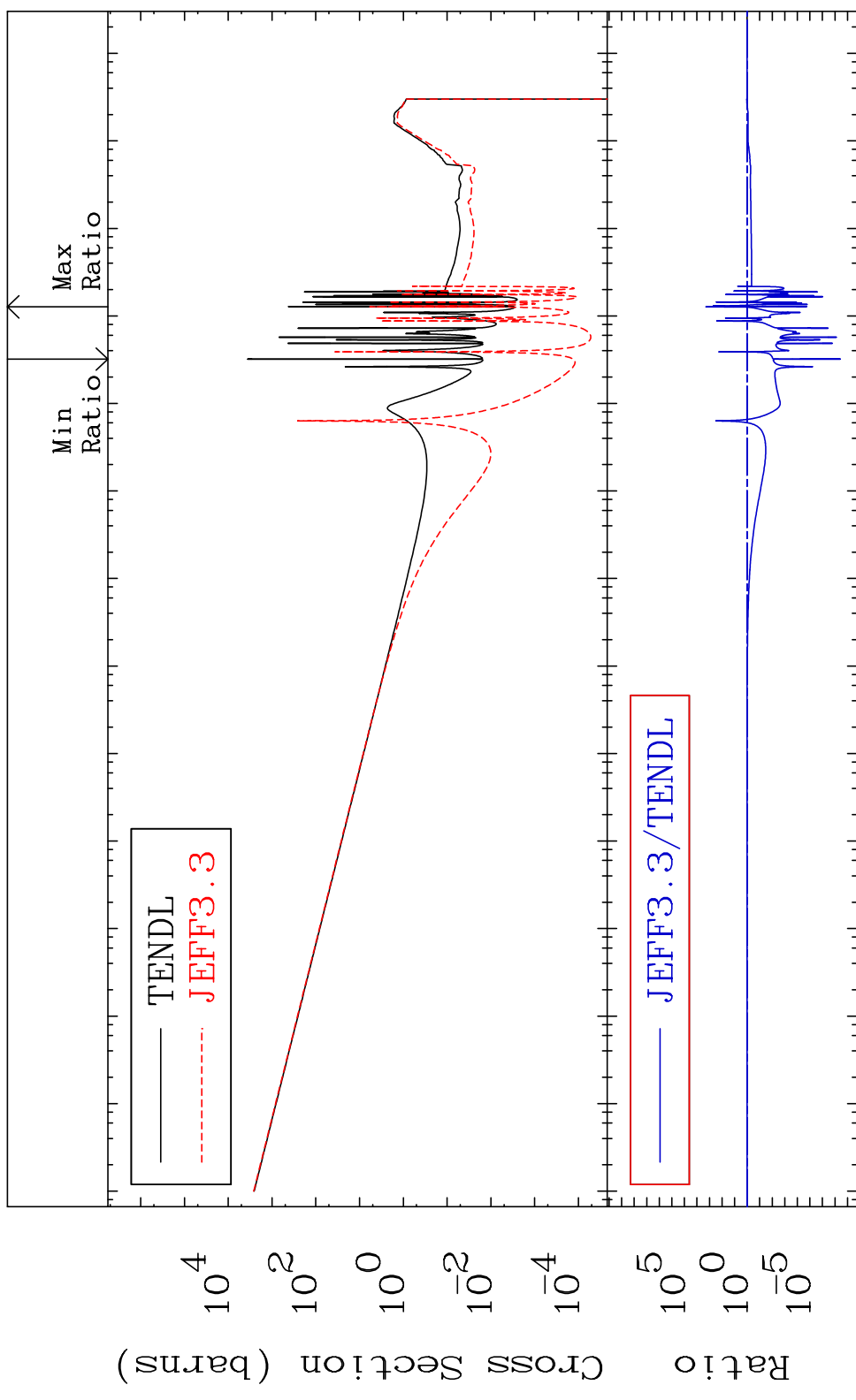


MAT 1634 Kerma fission (mt18 or mt19-20-21-38) 16-S -35
 Cross Section -100.0 To 336.6 %

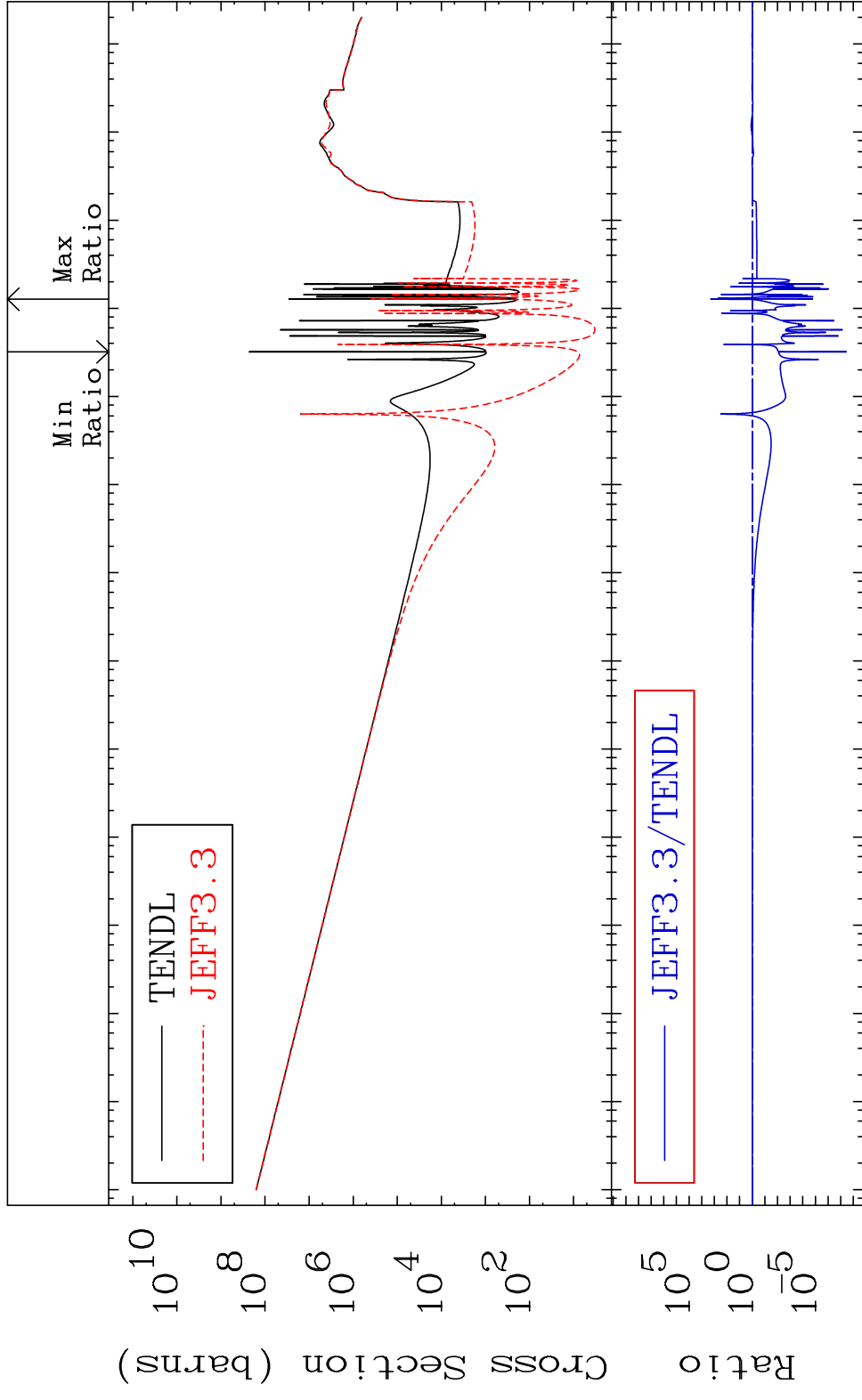


MAT 1634

Kerma capture (mt102) 16-S -35
Cross Section -100.0 To 9999. %

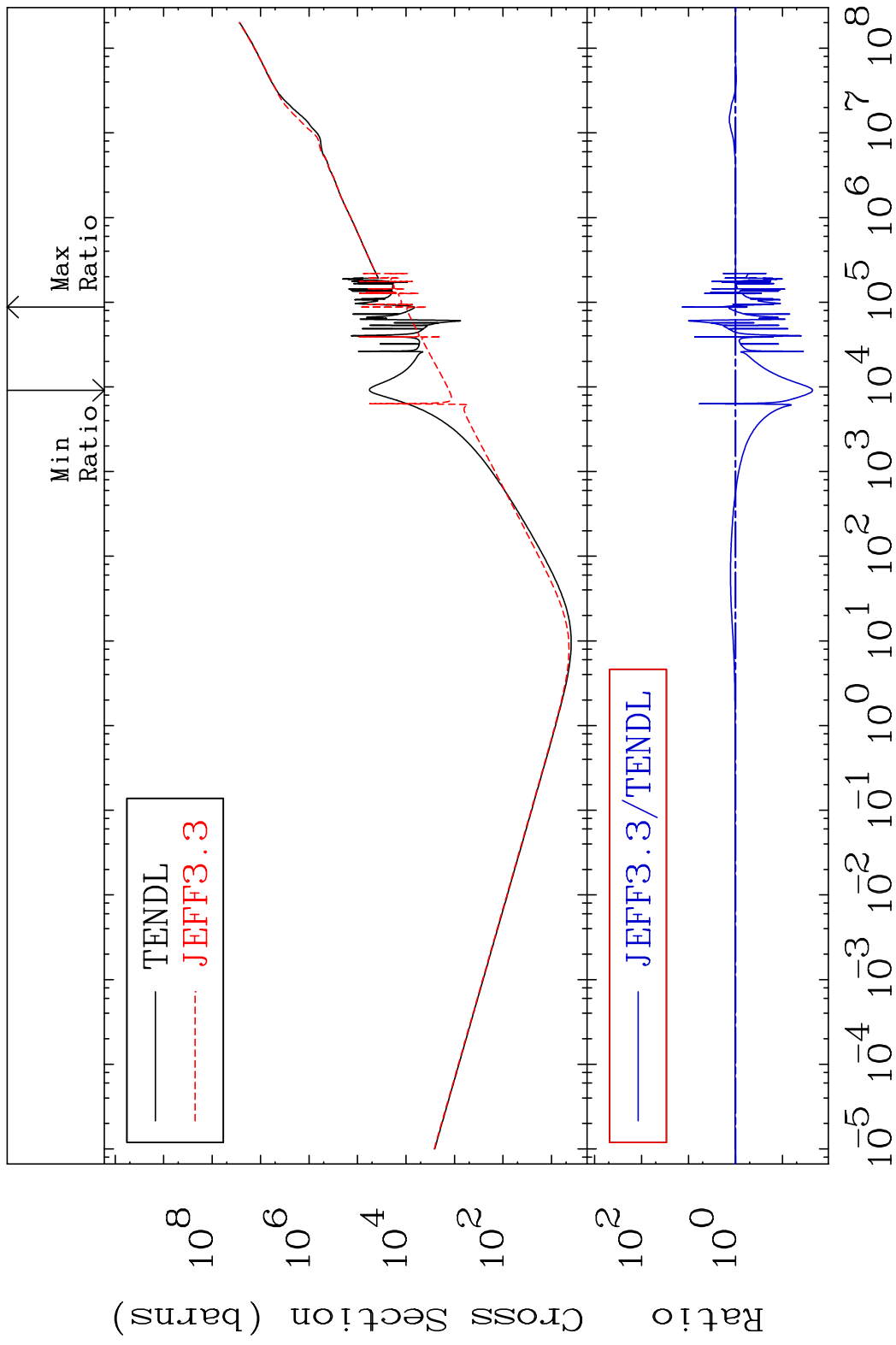


MAT 1634 Total photon (eV-barns) 16-S -35
 Cross Section -100.0 To 9999. %



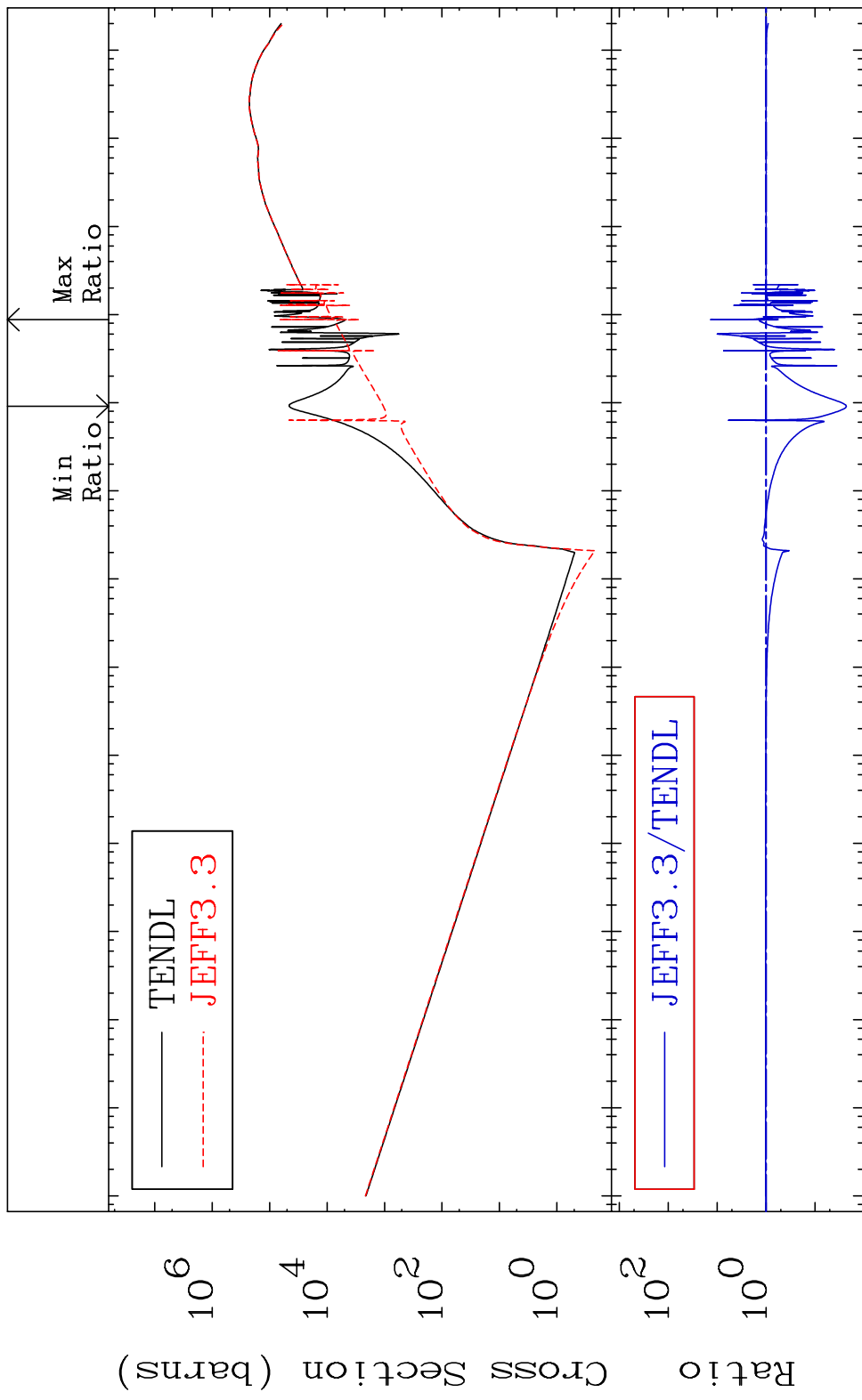
Ratio
 10⁵
 10⁰
 10⁻⁵
 10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
 Incident Energy (eV) 16-S -35

MAT 1634 Total kinematic kerma (high limit) 16-S -35
 Cross Section -97.70 To 1257. %



74 Incident Energy (eV) 16-S -35

MAT 1634 Dpa total (eV-barns) 16-S -35
 Cross Section -97.70 To 1257. %



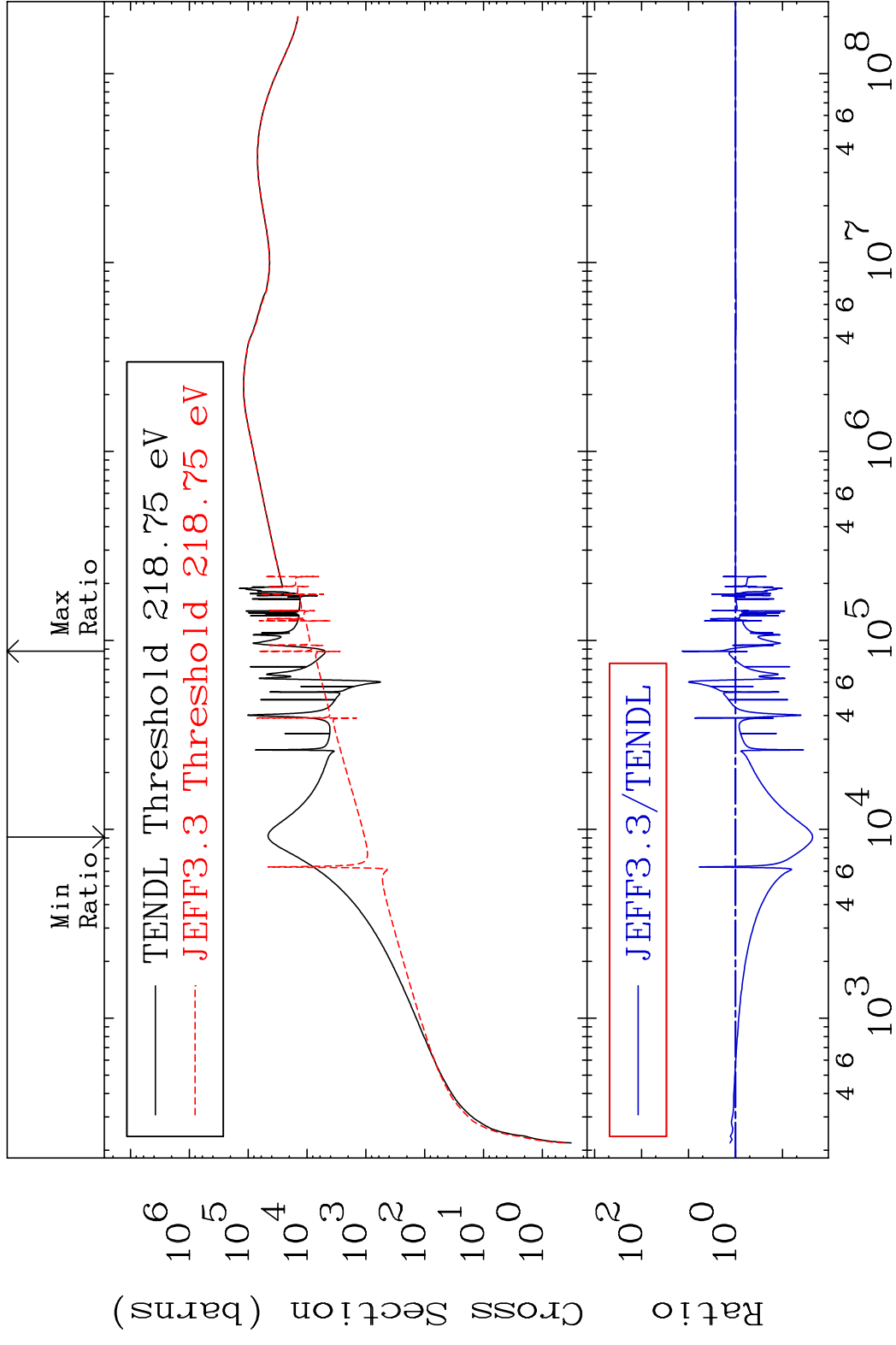
75 Incident Energy (eV) 16-S -35

MAT 1634

Dpa elastic (mt2)

16-S -35

Cross Section -97.70 To 1257. %

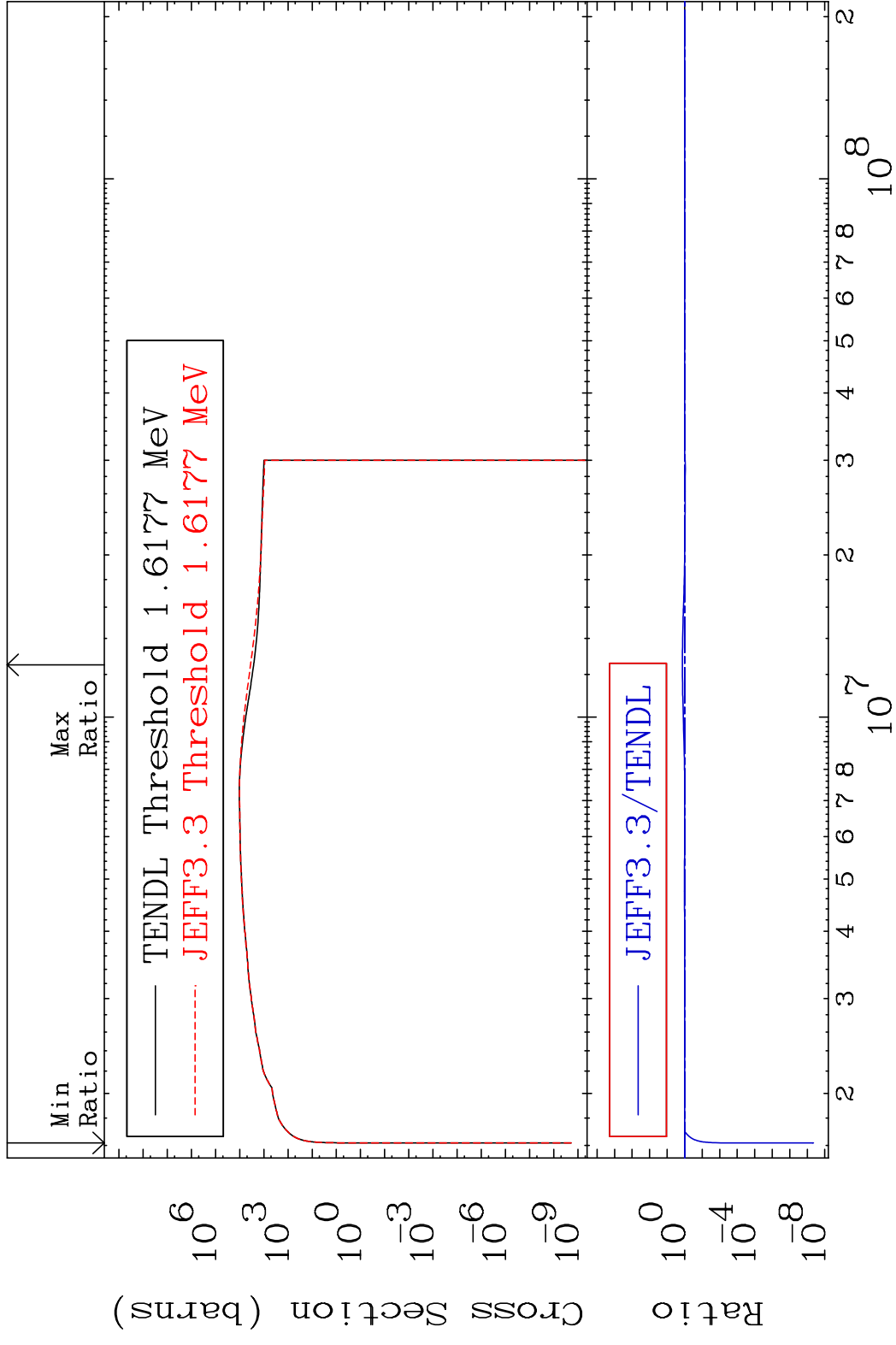


76

Incident Energy (eV)

16-S -35

MAT 1634 Dpa inelastic (mt51-91) 16-S -35
 Cross Section -100.0 To 35.11 %



MAT 1634 Dpa disappearance (mt102 -120) 16-S -35
 Cross Section -100.0 To 9999. %

