

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

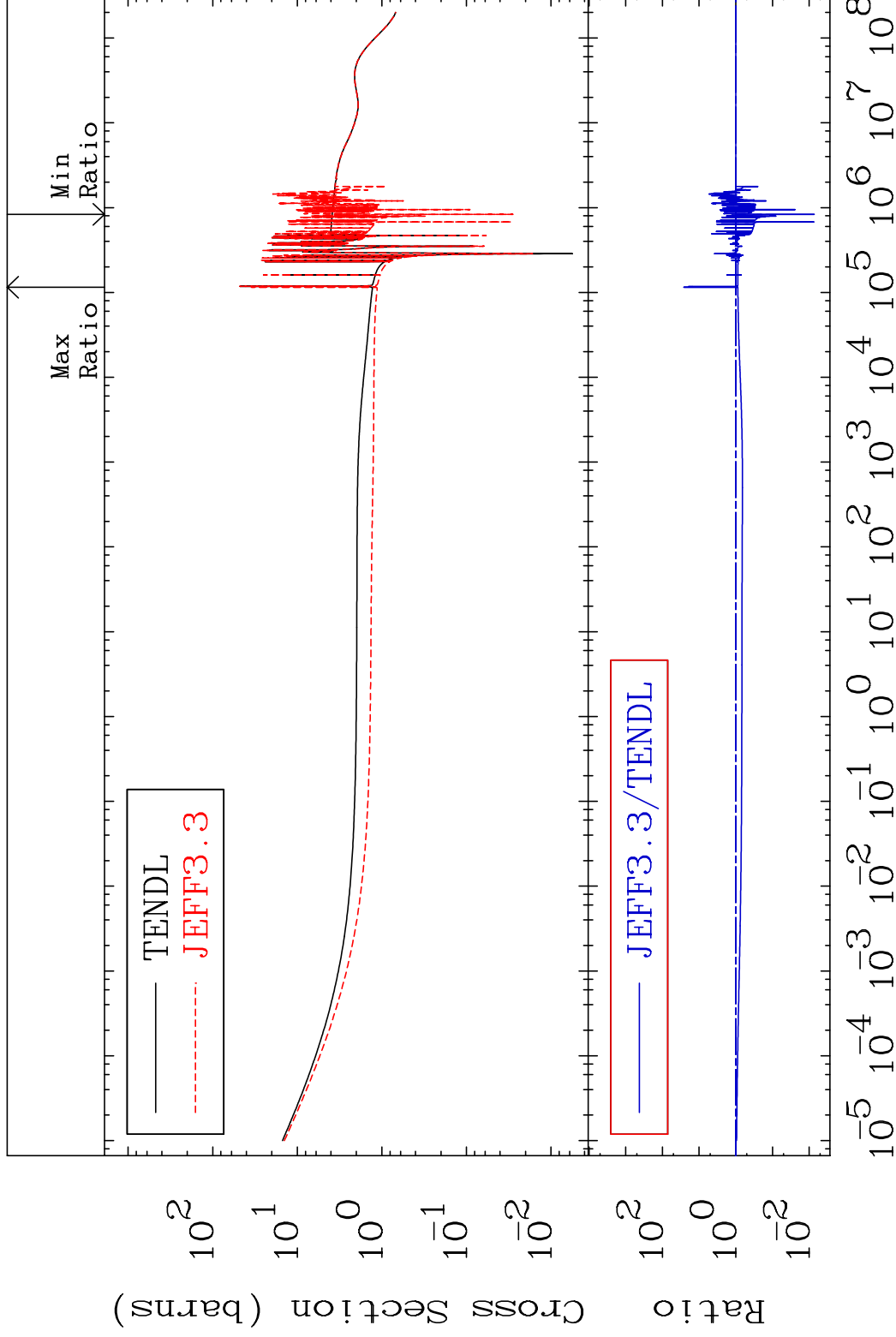
MAT 1631

Total

16-S -34

Cross Section

-99.27 To 2539. %



1

Incident Energy (eV)

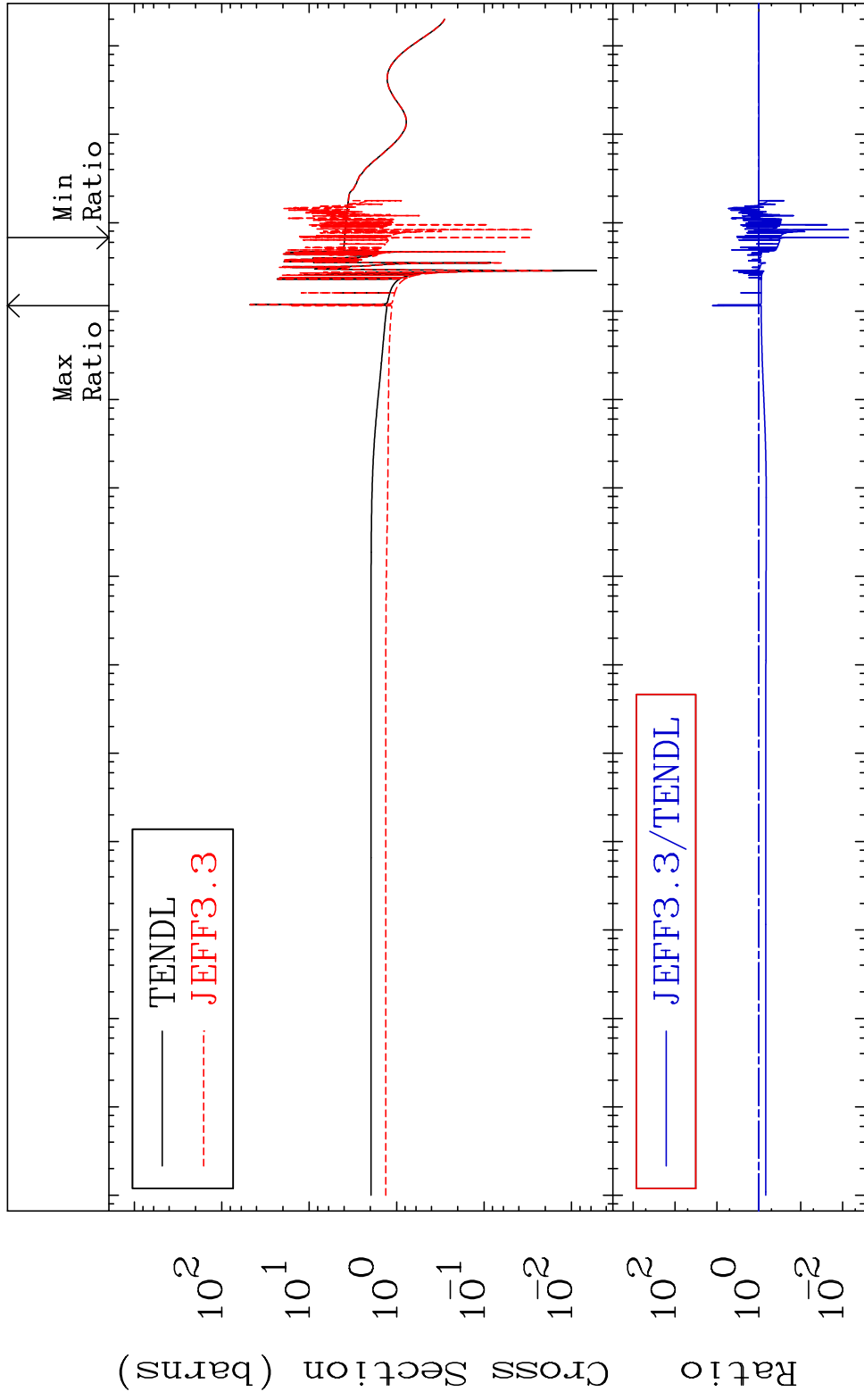
16-S -34

MAT 1631

Elastic

16-S -34

Cross Section -99.27 To 1180. %

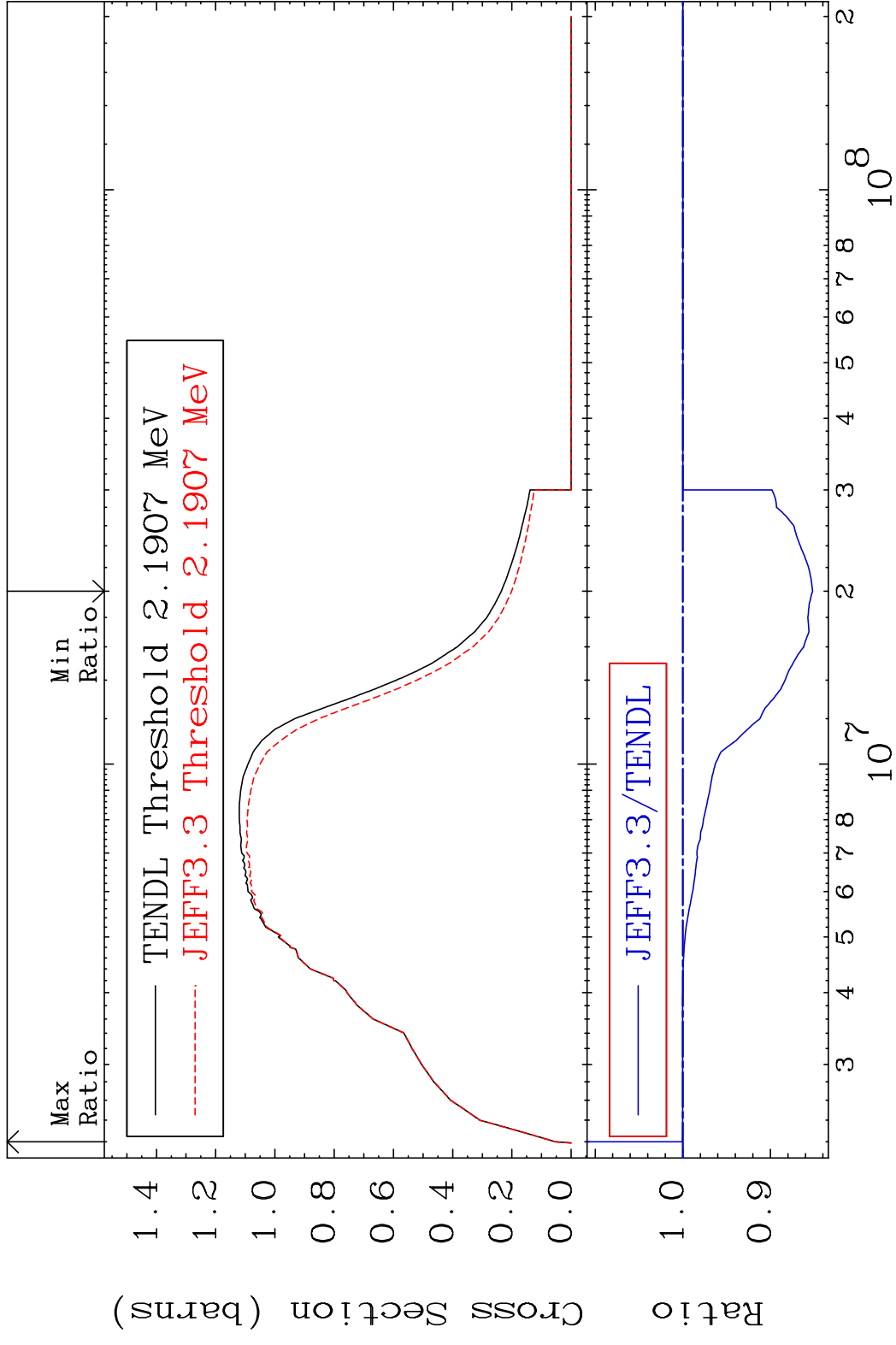


2

Incident Energy (eV)

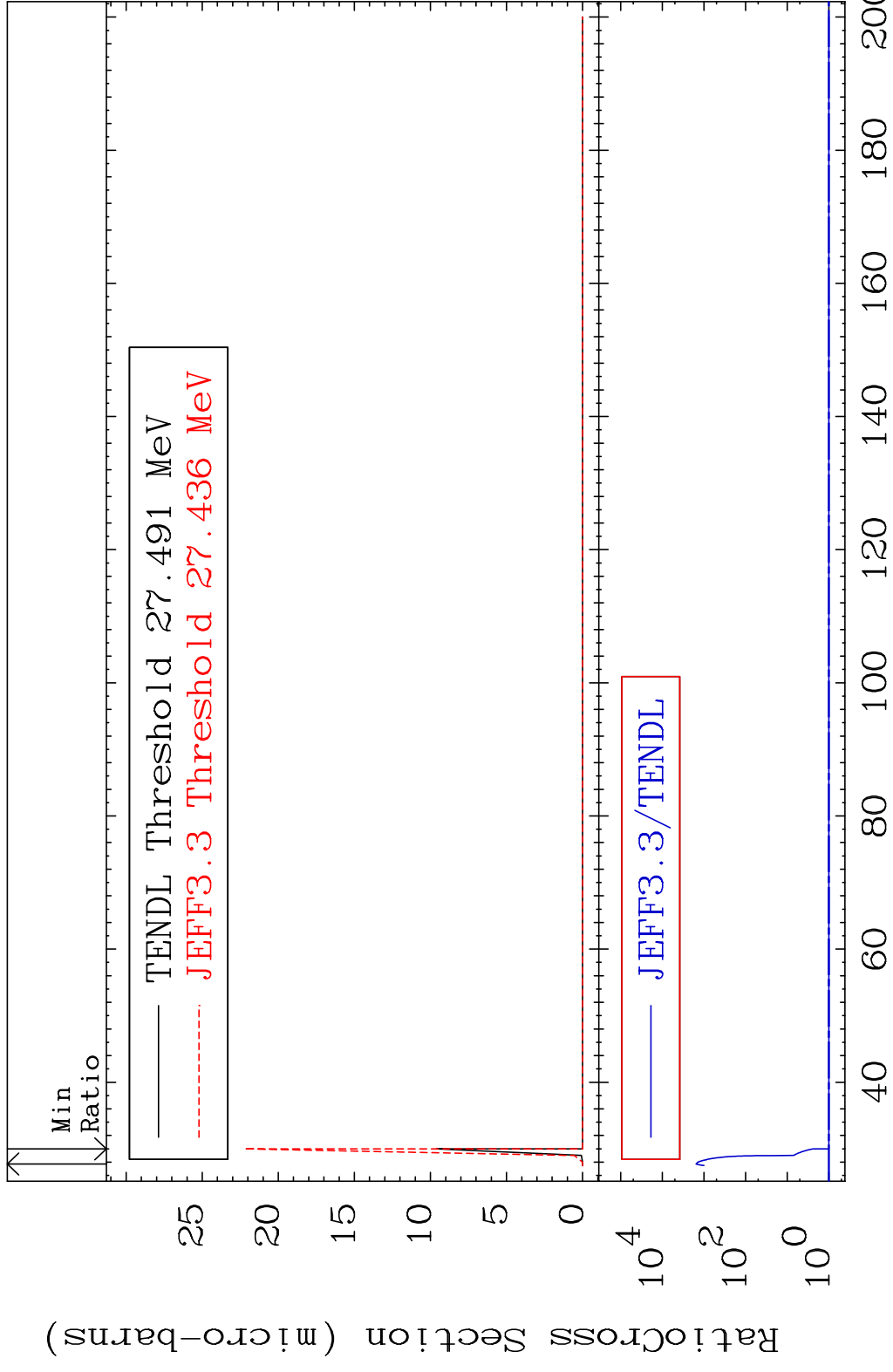
16-S -34

MAT 1631 Inelastic 16-S -34
 Cross Section -14.81 To 0.050 %



3 Incident Energy (eV) 16-S -34

MAT 1631 (n,2n) d 16-S -34
 Cross Section 0.000 To 9999. %

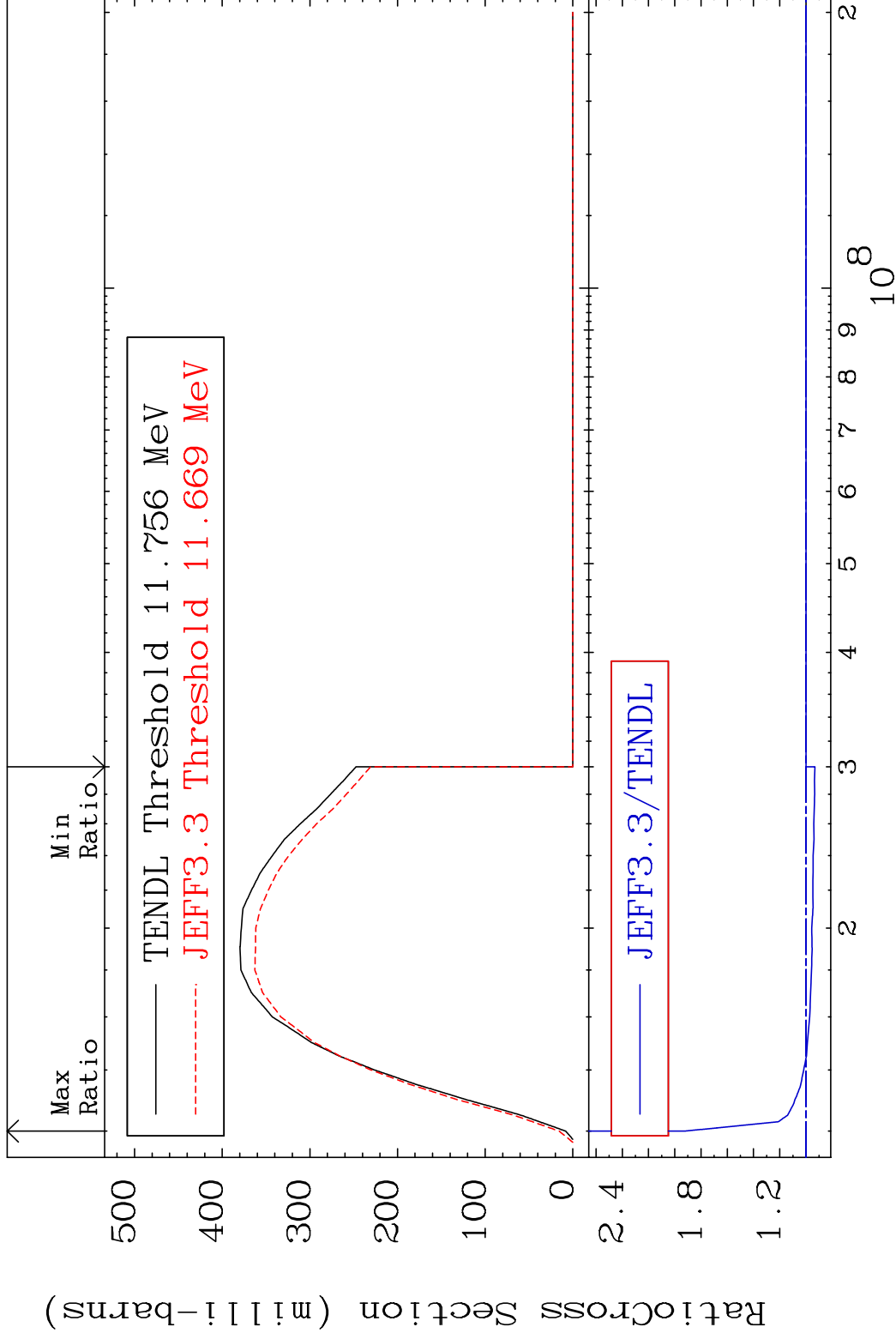


MAT 1631

(n,2n)

16-S -34

Cross Section -6.767 To 92.72 %

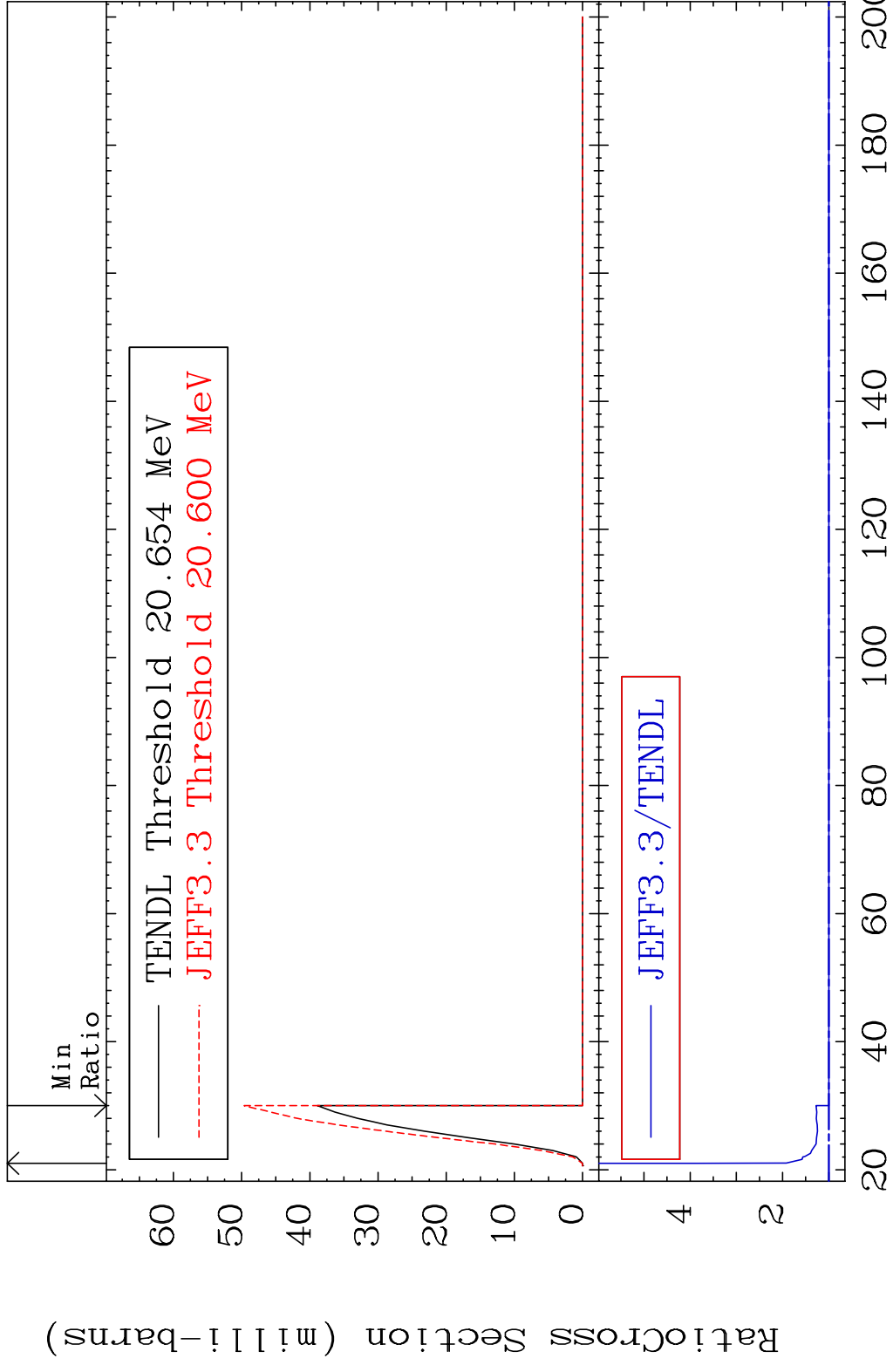


5

Incident Energy (eV)

16-S -34

MAT 1631 (n,3n) 16-S -34
 Cross Section 0.000 To 287.4 %

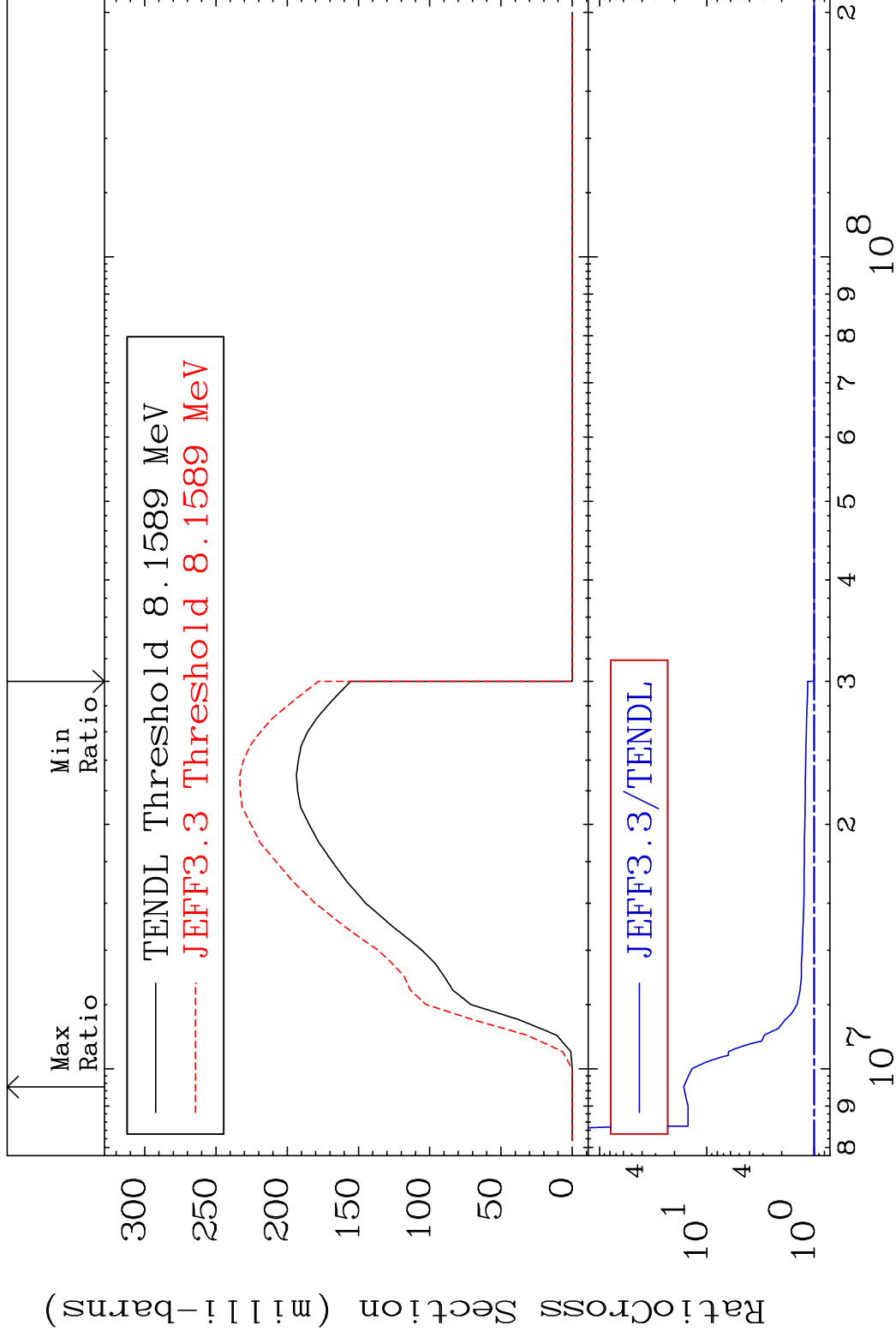


MAT 1631

(n, n') α

16-S -34

Cross Section 0.000 To 1543. %

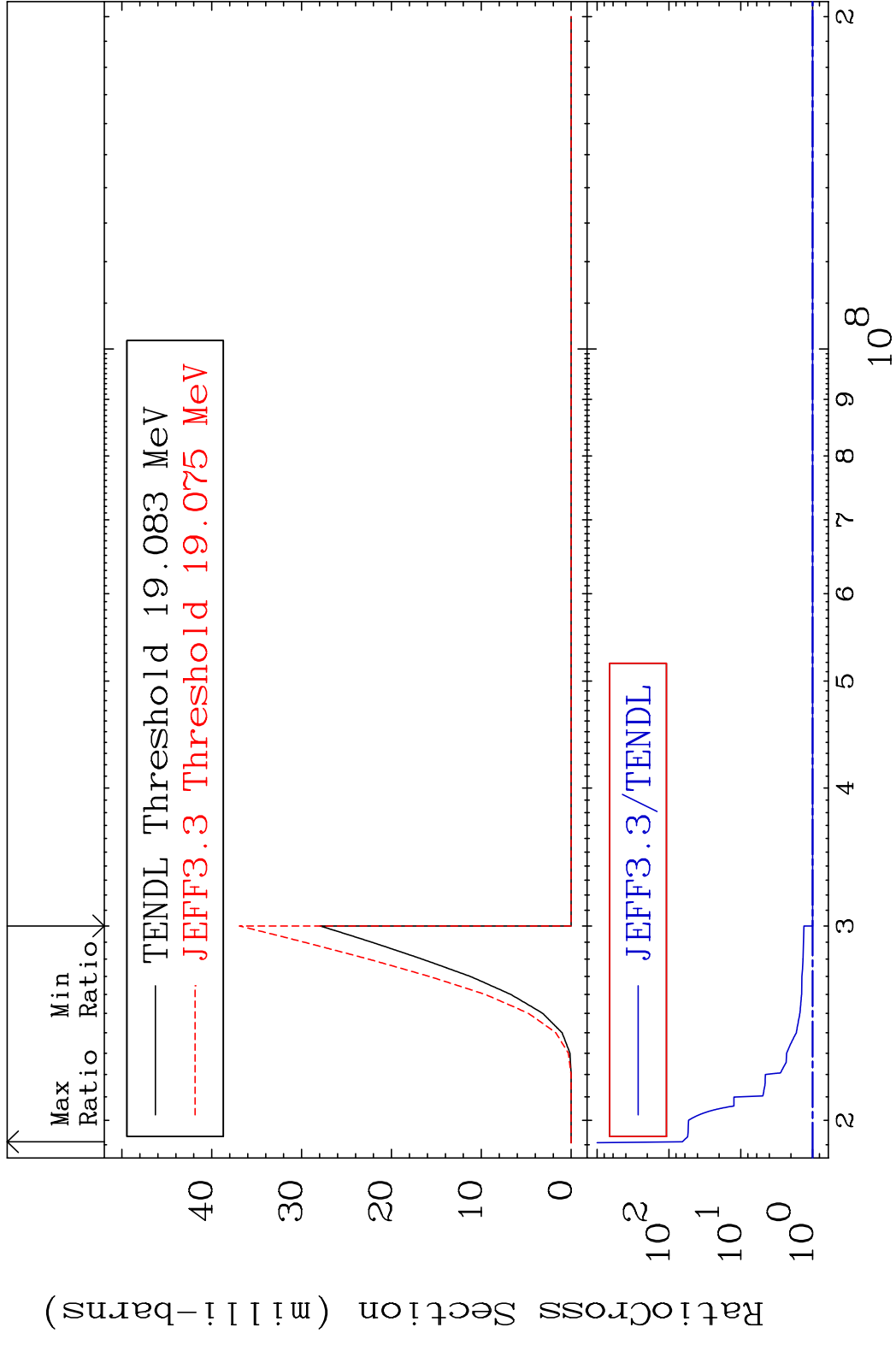


7

Incident Energy (eV)

16-S -34

MAT 1631 (n,2n) α 16-S -34
 Cross Section 0.000 To 6413. %



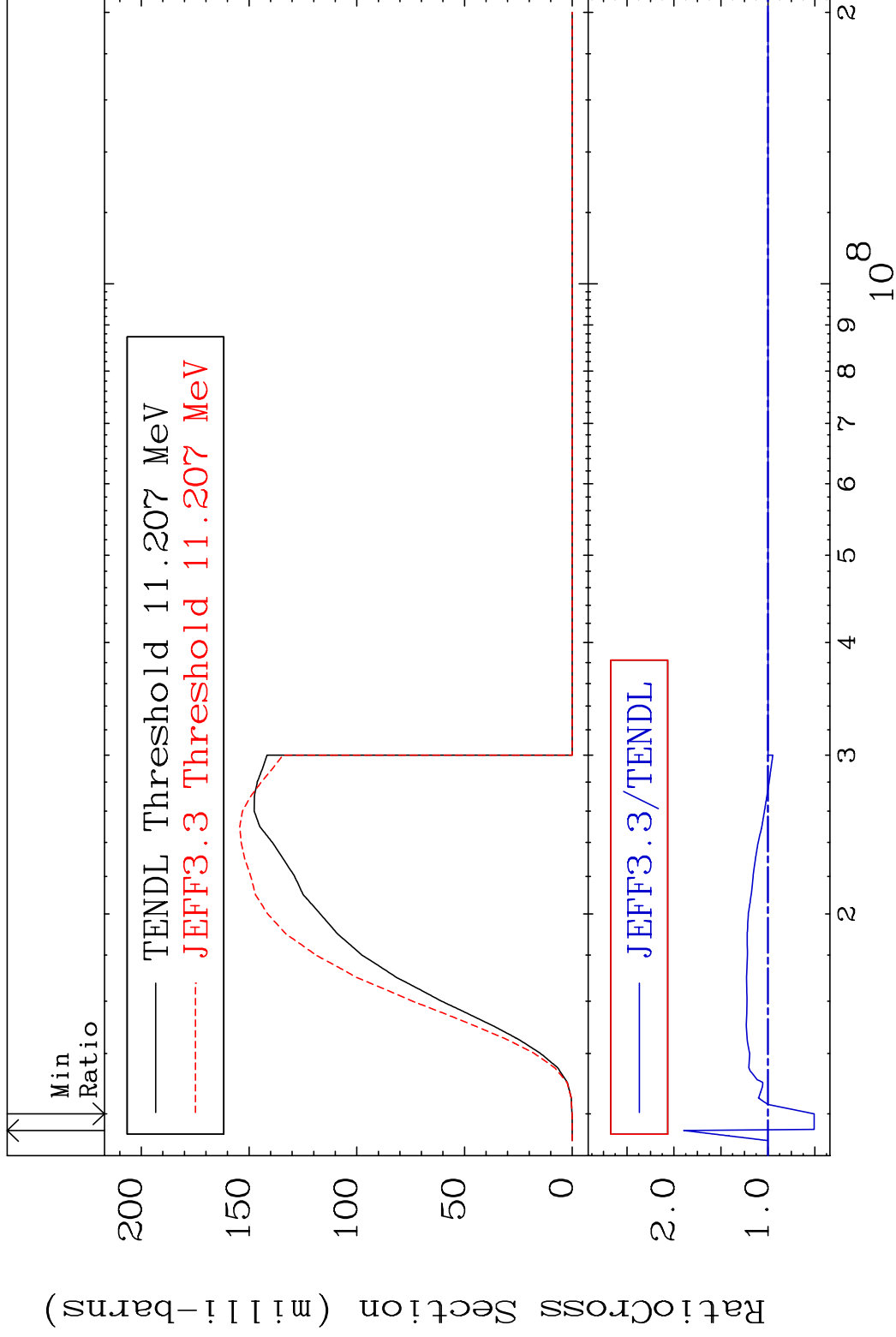
8 16-S -34

MAT 1631

(n, n') p

16-S -34

Cross Section -49.20 To 89.66 %

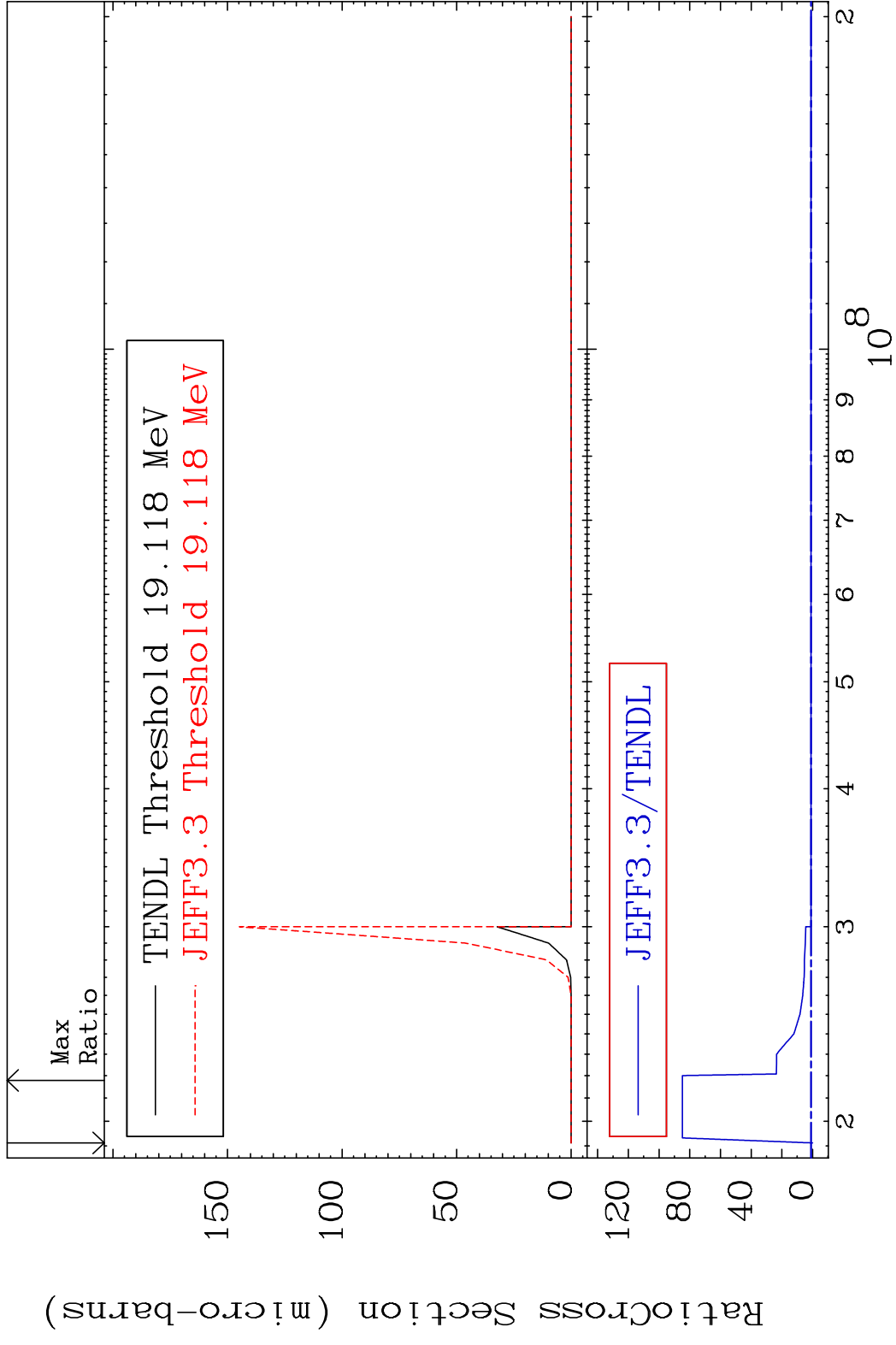


9

Incident Energy (eV)

16-S -34

MAT 1631 (n, n') 2α 16-S -34
 Cross Section -100.0 To 8382. %



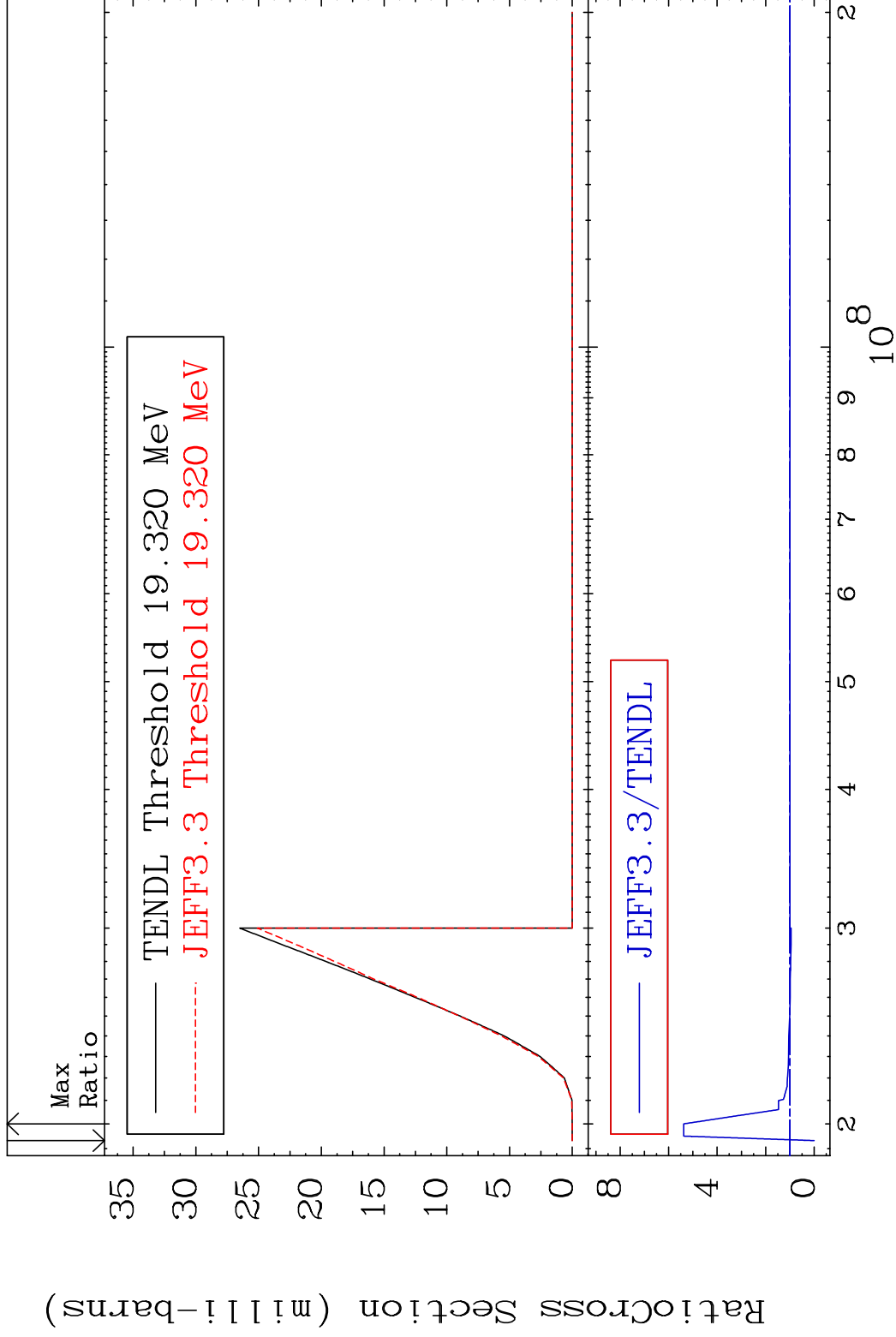
10 16-S -34

MAT 1631

(n, n') d

16-S -34

Cross Section -100.0 To 438.1 %

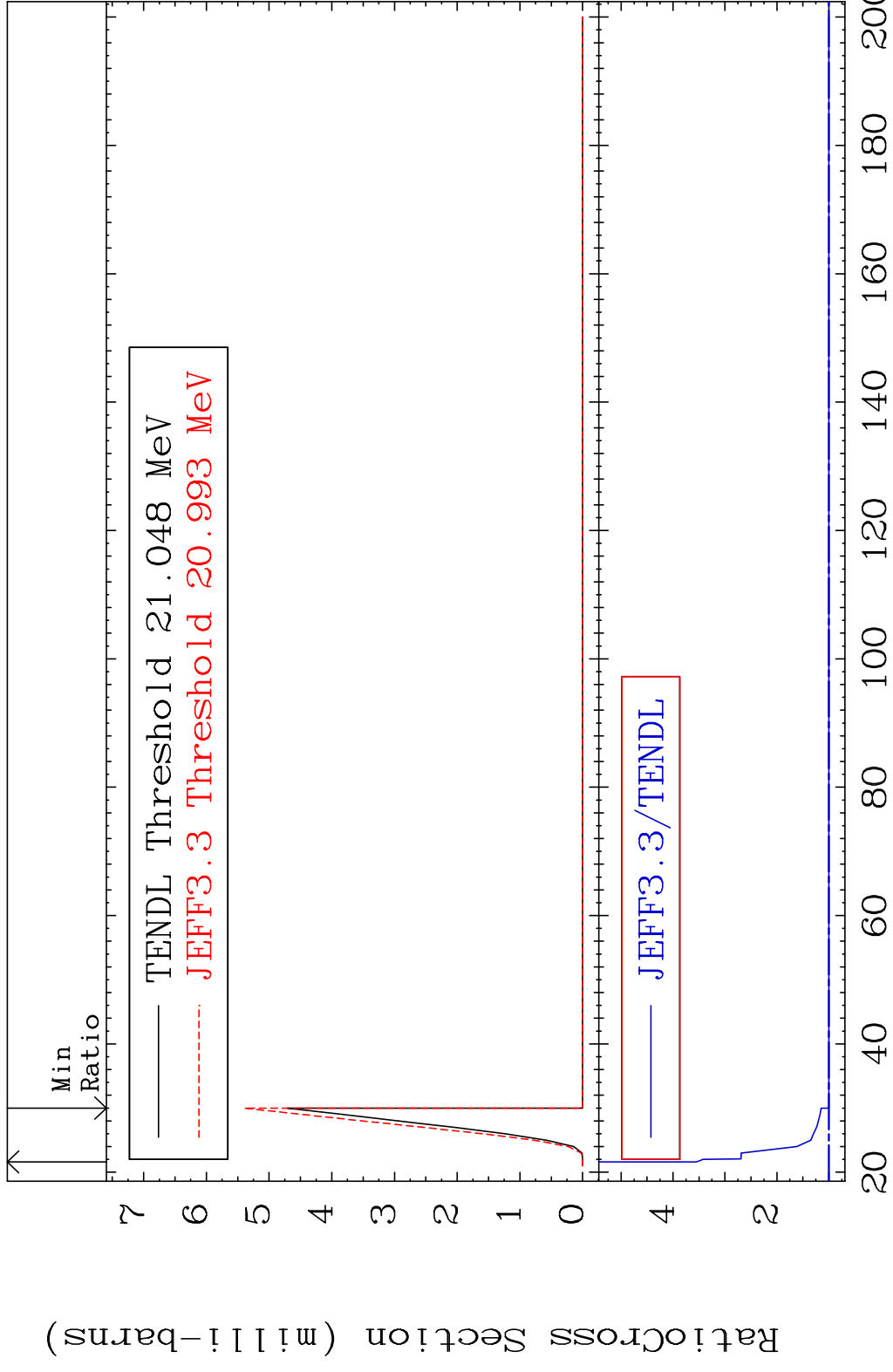


11

Incident Energy (eV)

16-S -34

MAT 1631 (n, n') t 16-S -34
 Cross Section 0.000 To 255.7 %



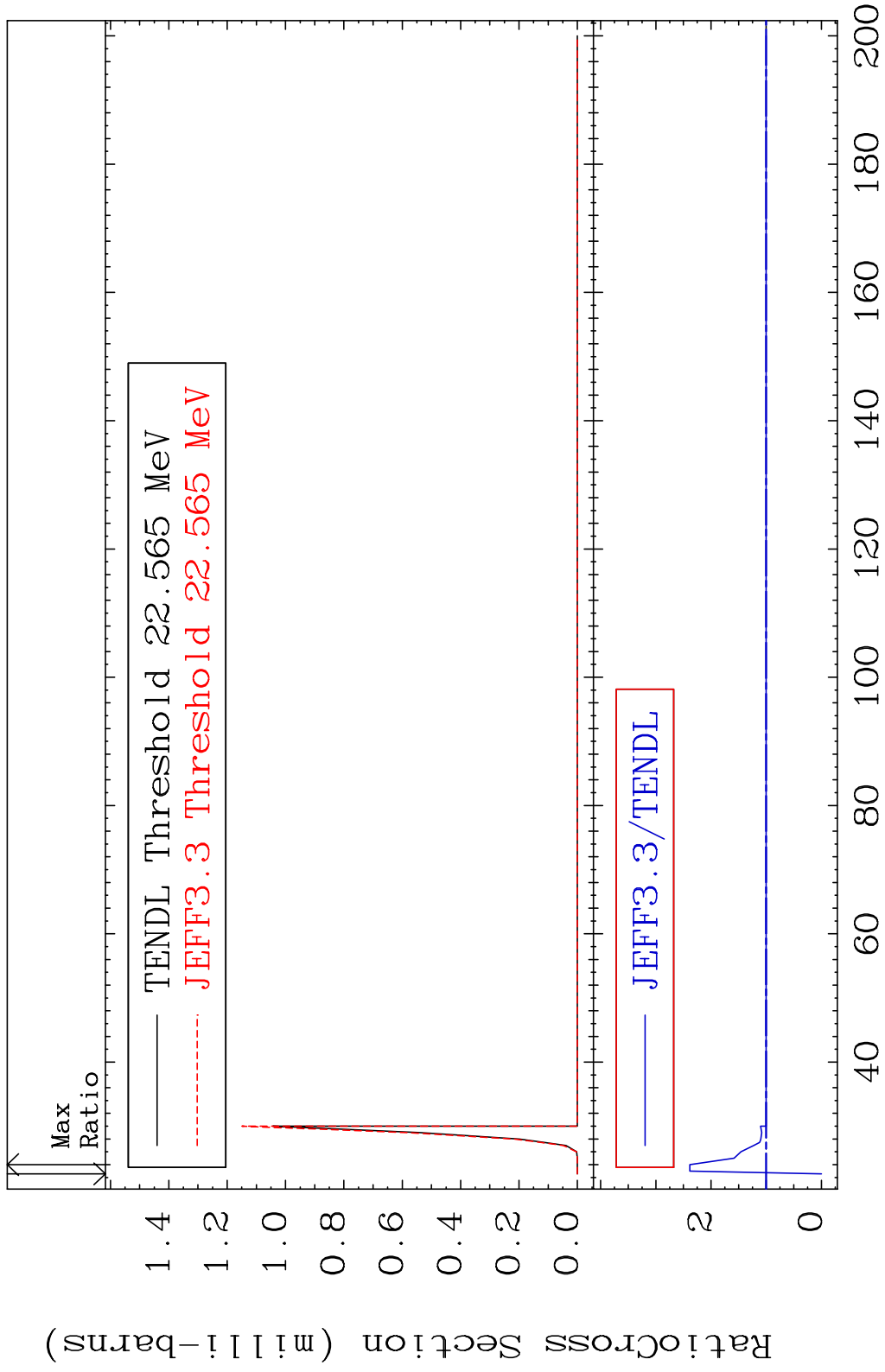
12 Incident Energy (MeV) 16-S -34

MAT 1631

(n,n') He-3

16-S -34

Cross Section -100.0 To 138.5 %

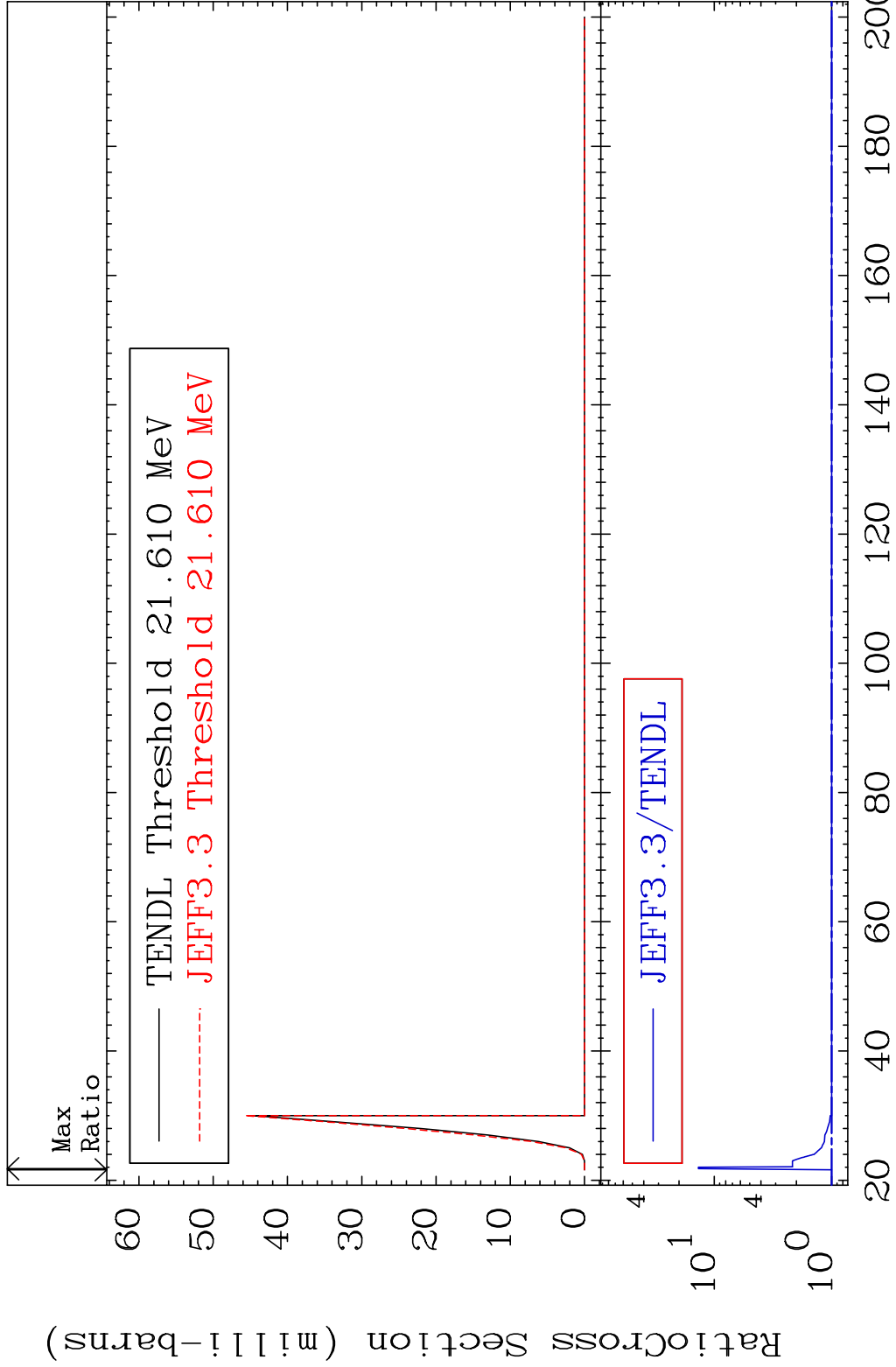


MAT 1631

(n,2n) p

16-S -34

Cross Section 0.000 To 1269. %

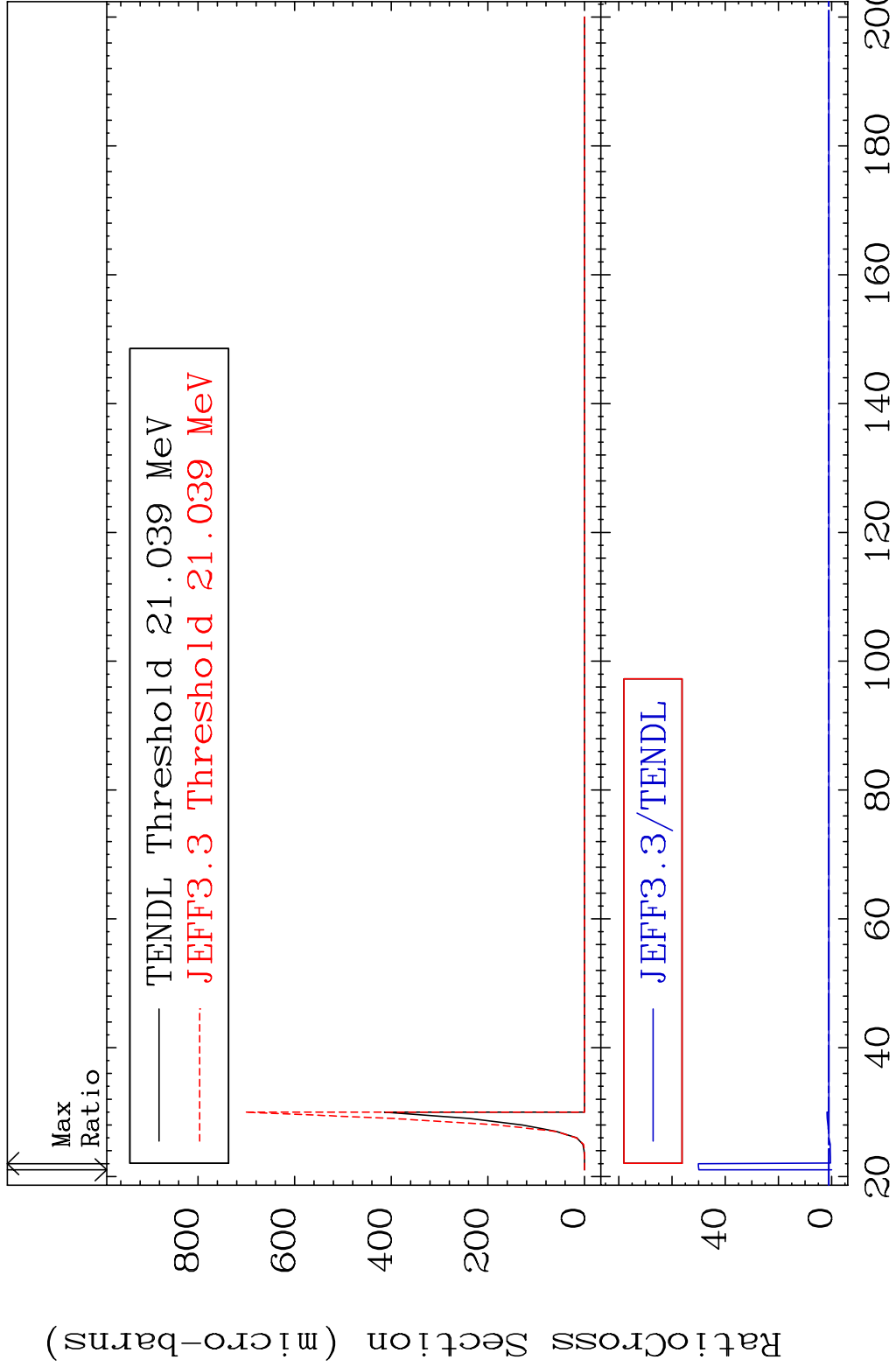


MAT 1631

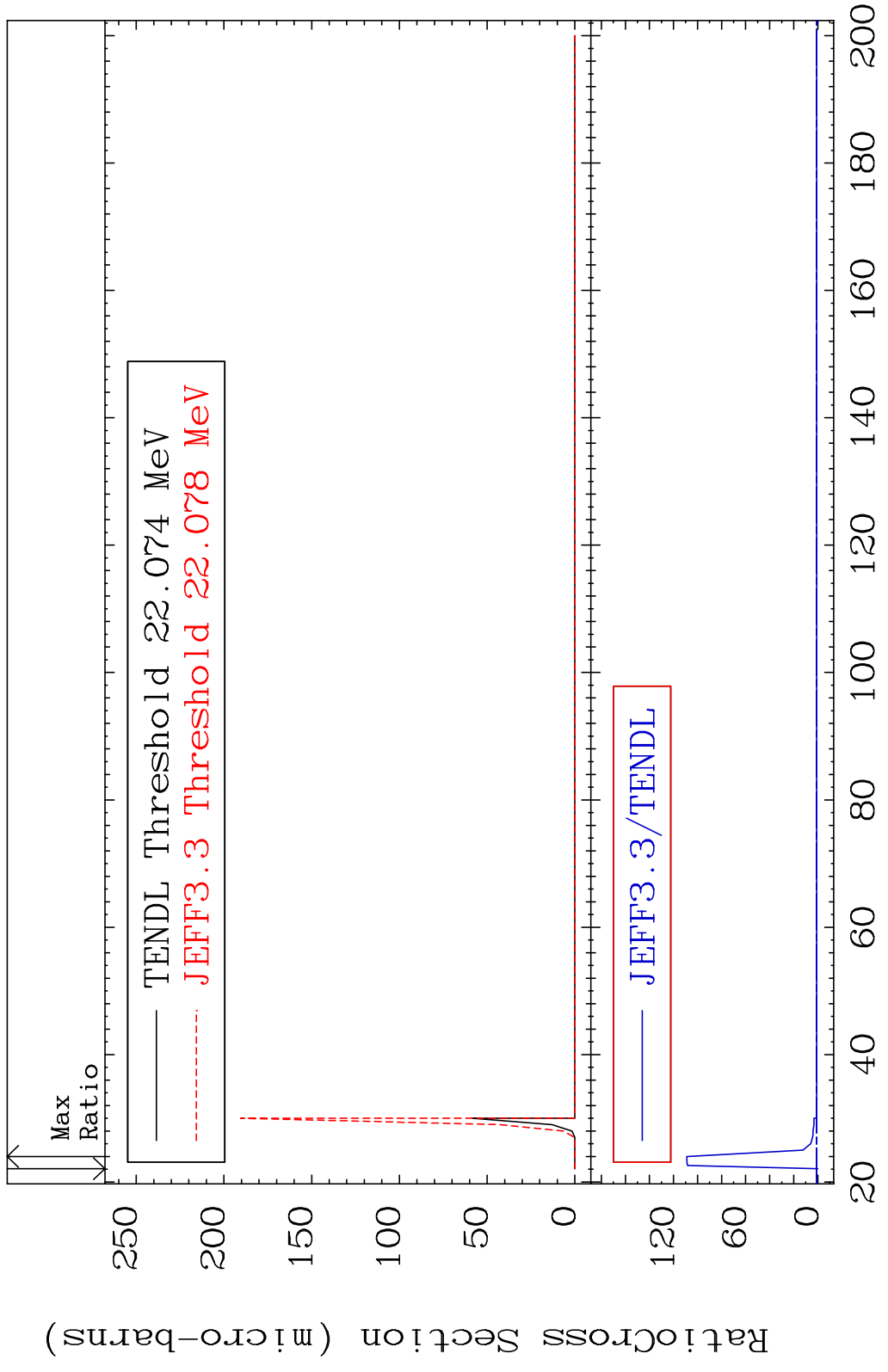
(n,2n) p

16-S -34

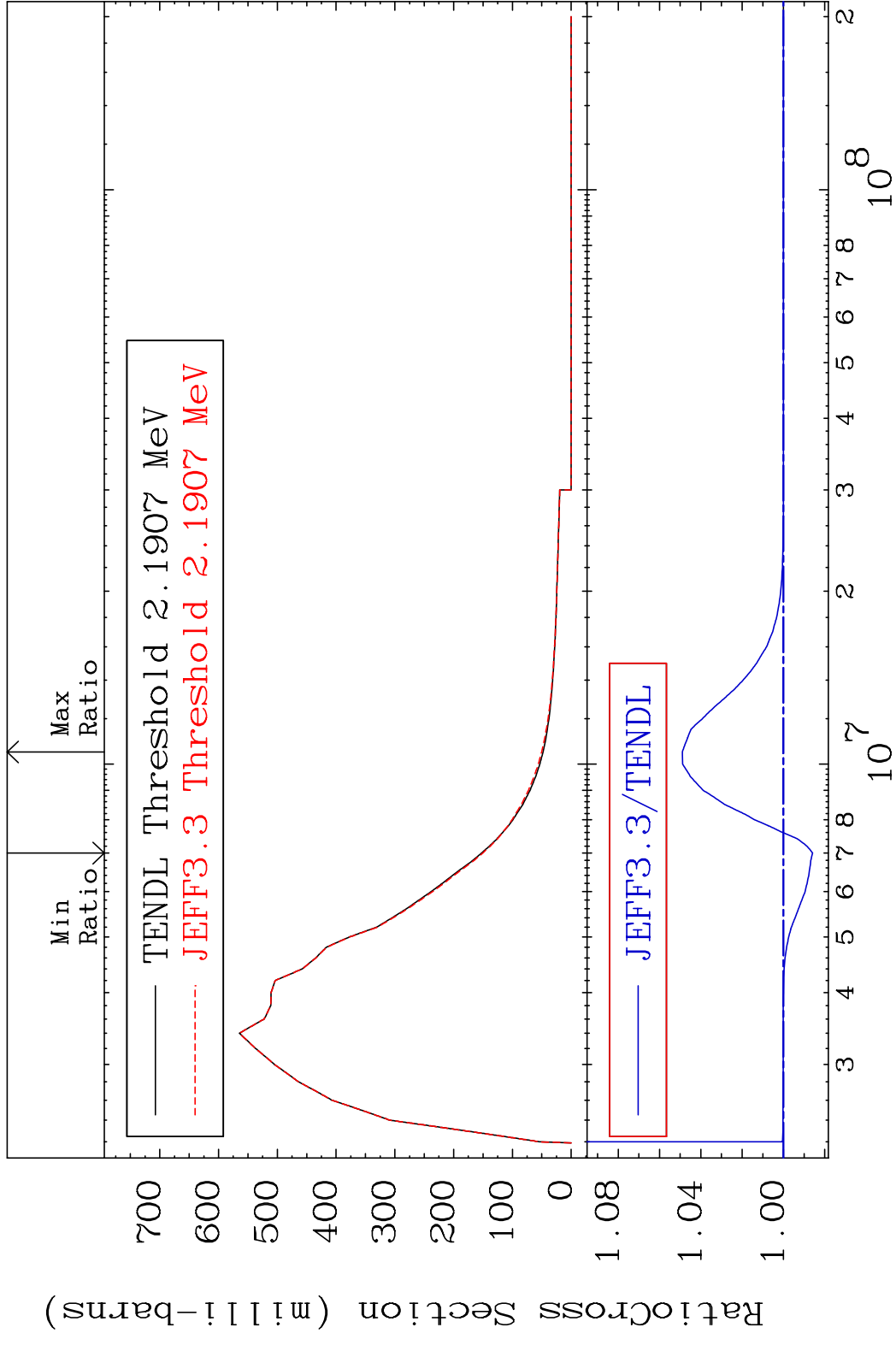
Cross Section -100.0 To 4910. %



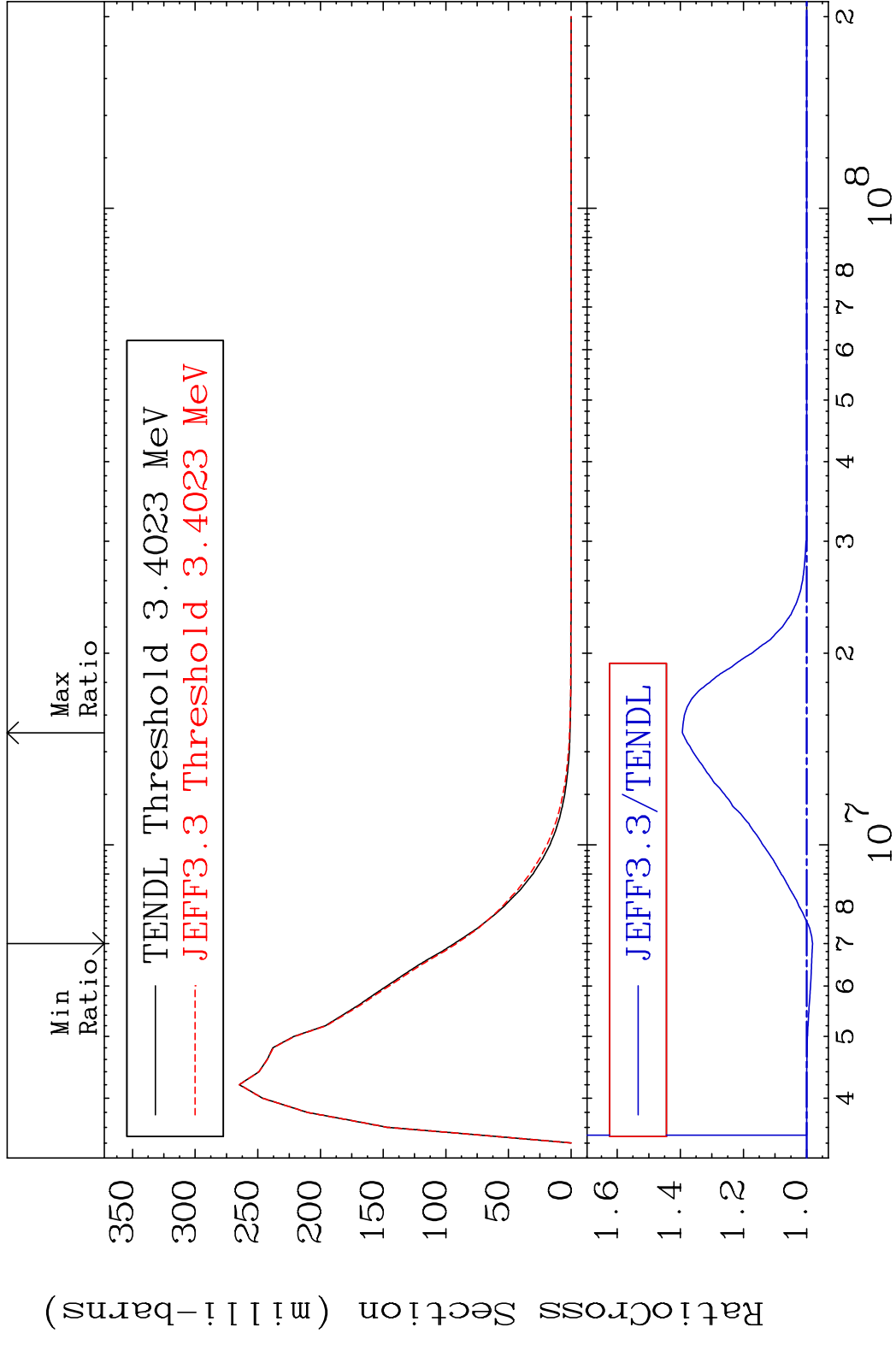
MAT 1631 (n,n') p α 16-S -34
 Cross Section -100.0 To 9999. %



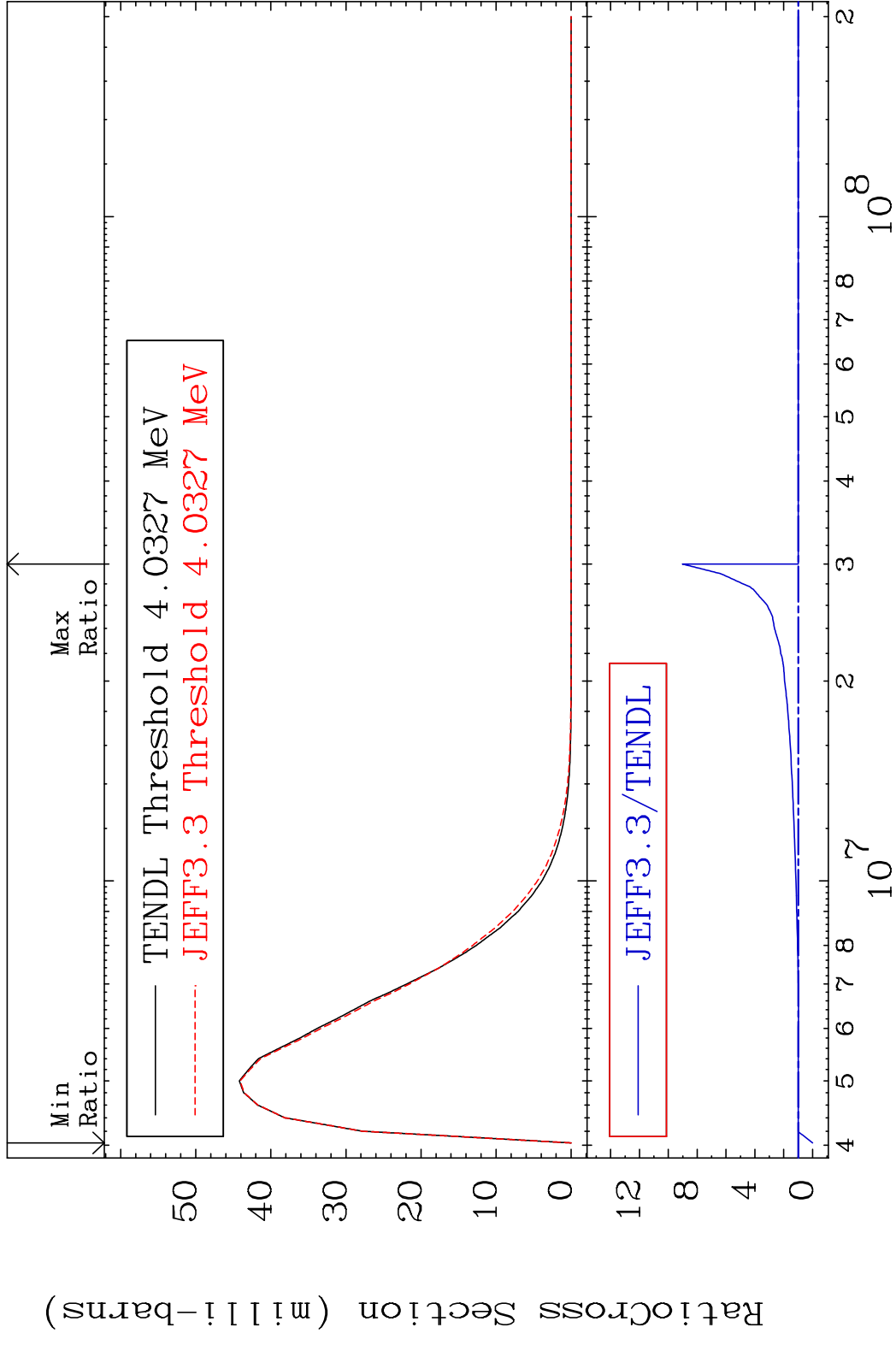
MAT 1631 MT= 51 (n,n') Level 16-S -34
 Cross Section -1.409 To 4.894 %



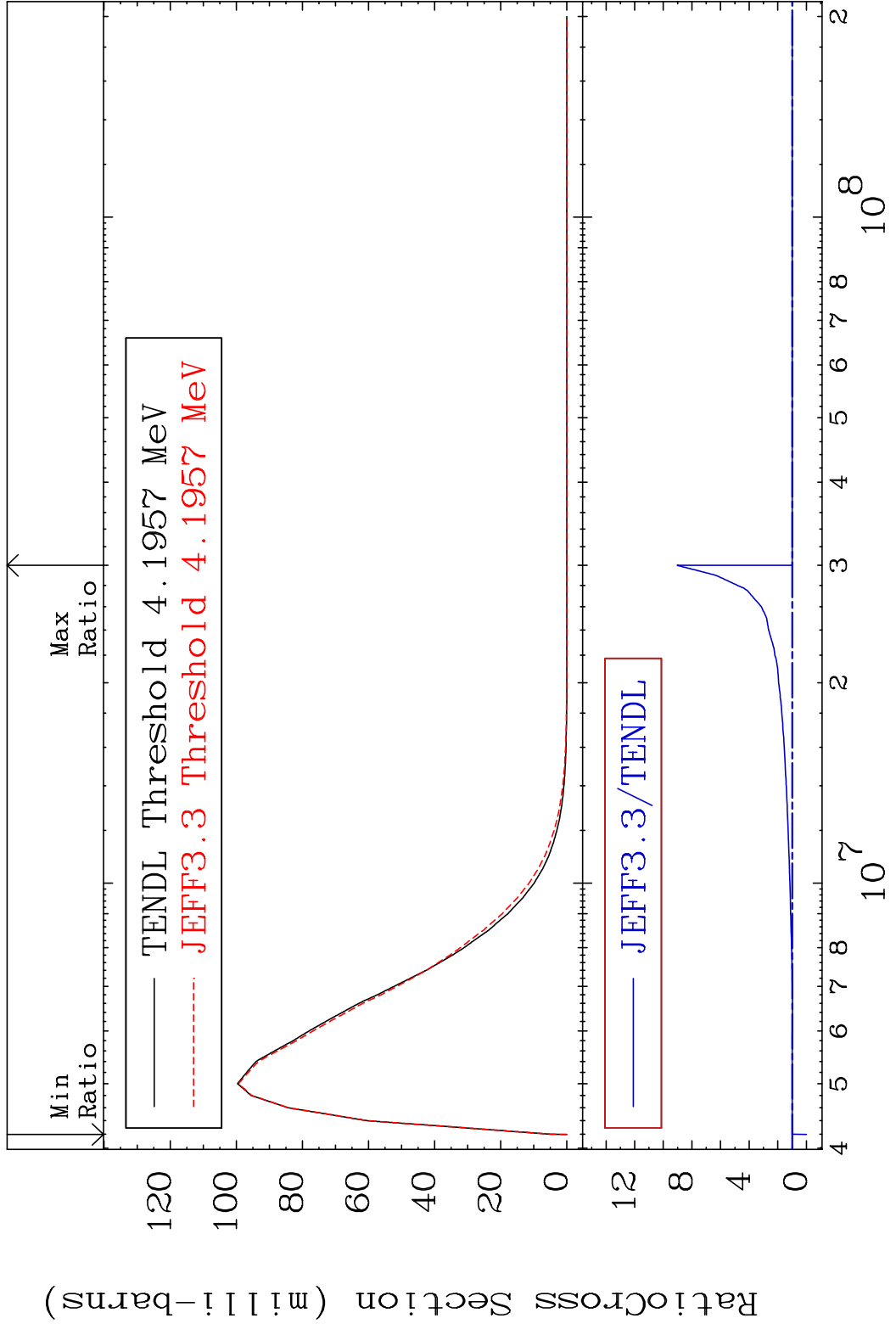
MAT 1631 MT= 52 (n,n') Level 16-S -34
 Cross Section -1.879 To 39.36 %



MAT 1631 MT= 53 (n, n') Level 16-S -34
 Cross Section -100.0 To 802.7 %

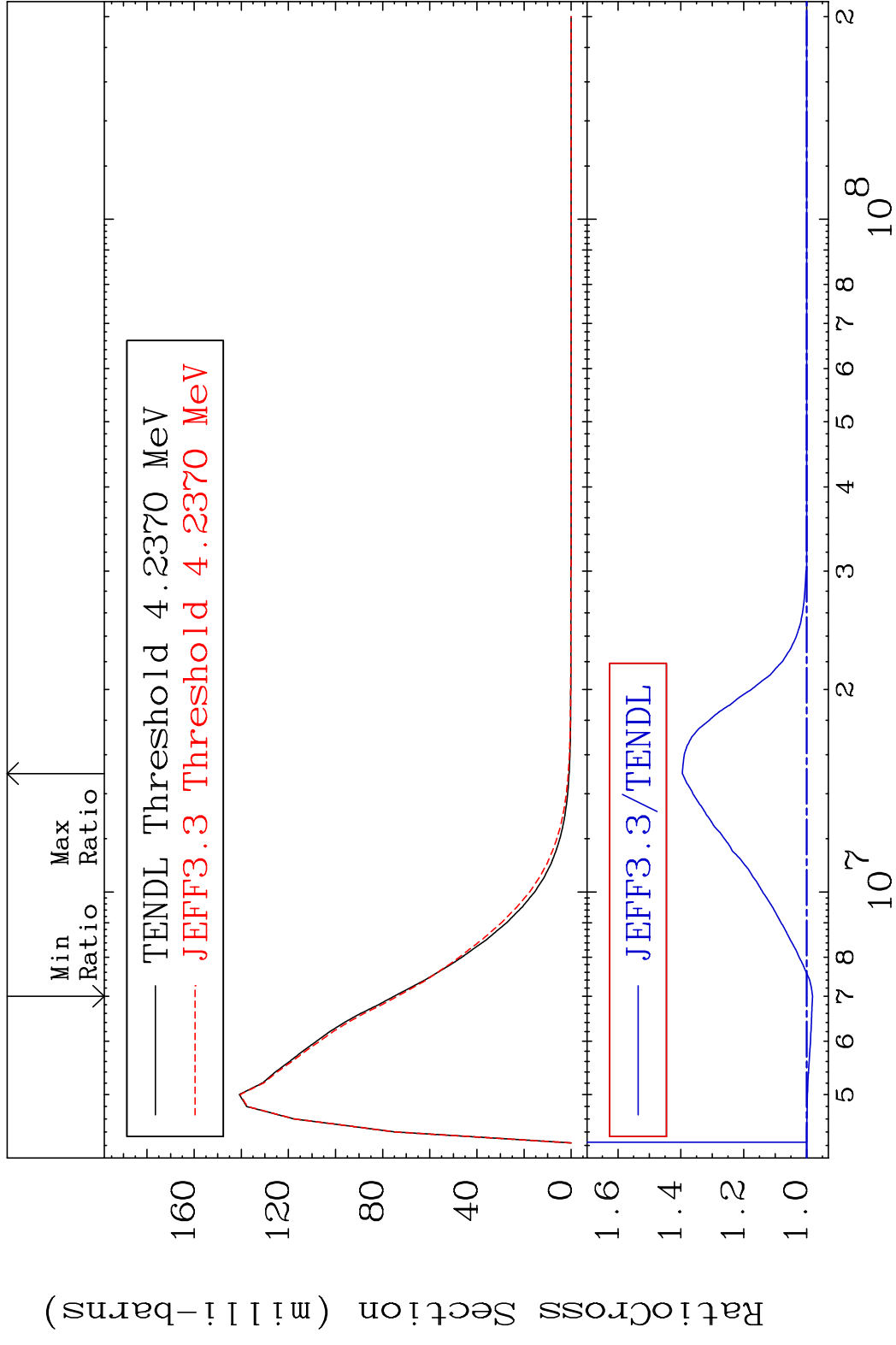


MAT 1631 MT= 54 (n, n') Level 16-S -34
 Cross Section -100.0 To 803.0 %

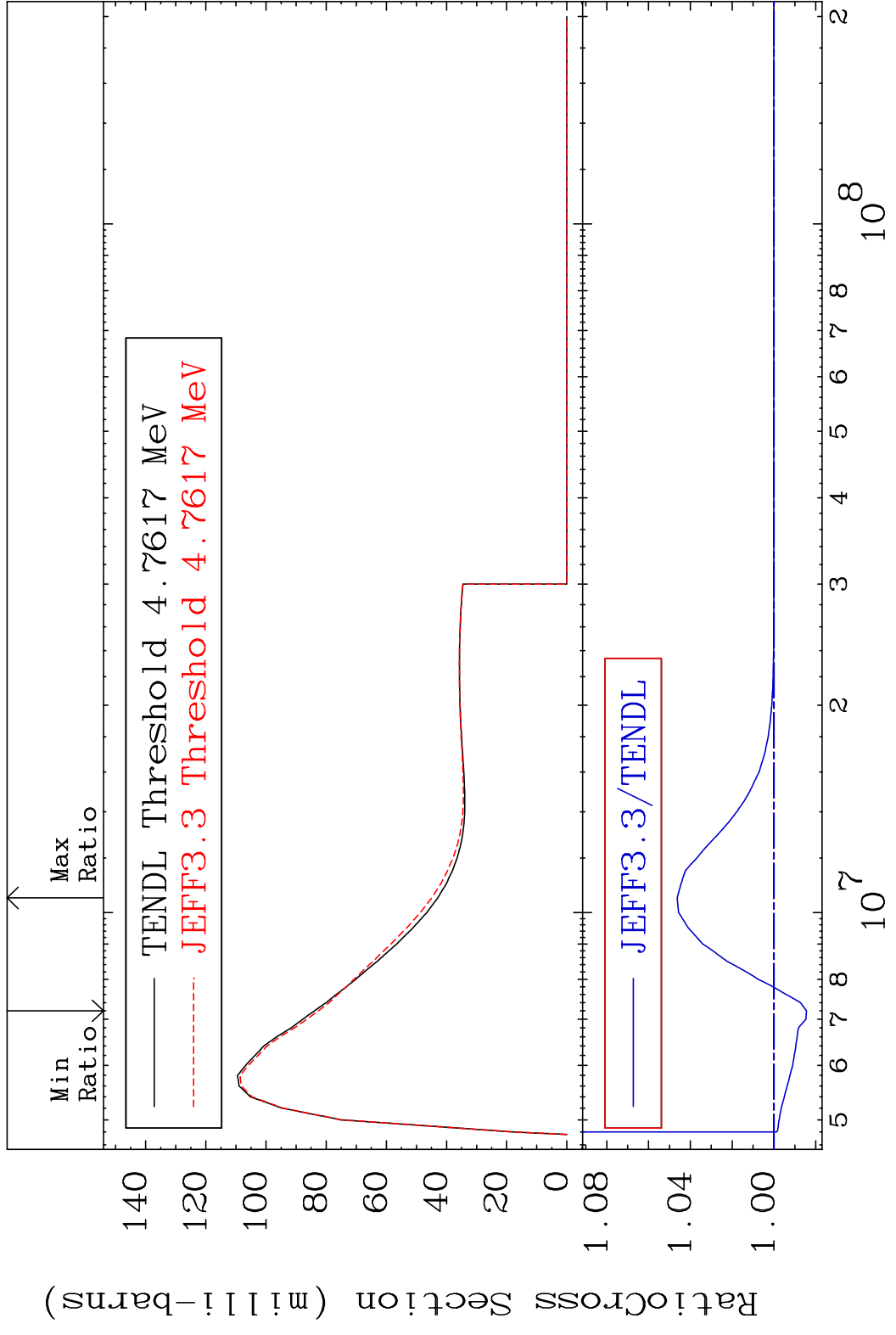


20

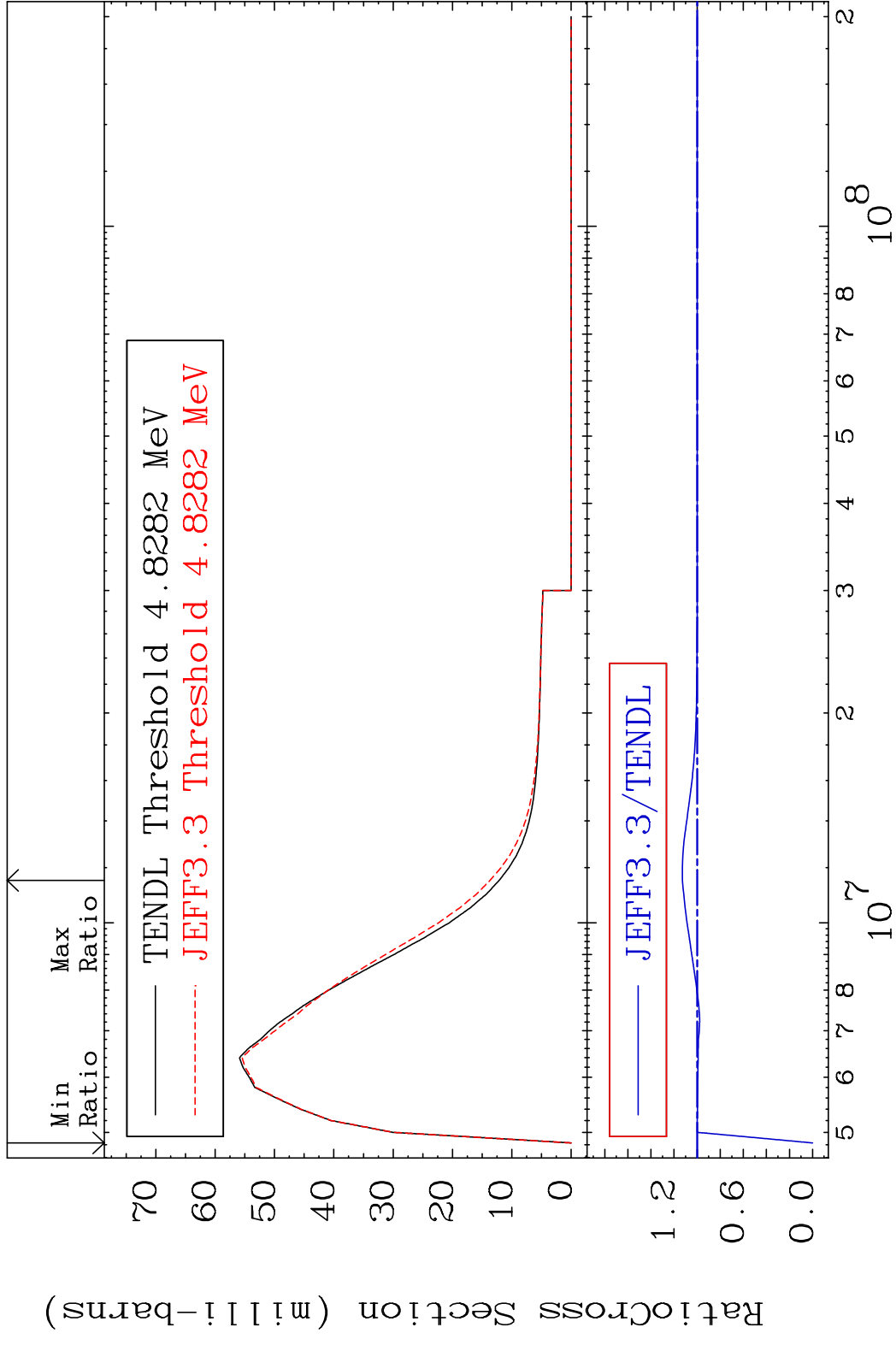
MAT 1631 MT= 55 (n,n') Level 16-S -34
 Cross Section -1.880 To 39.53 %



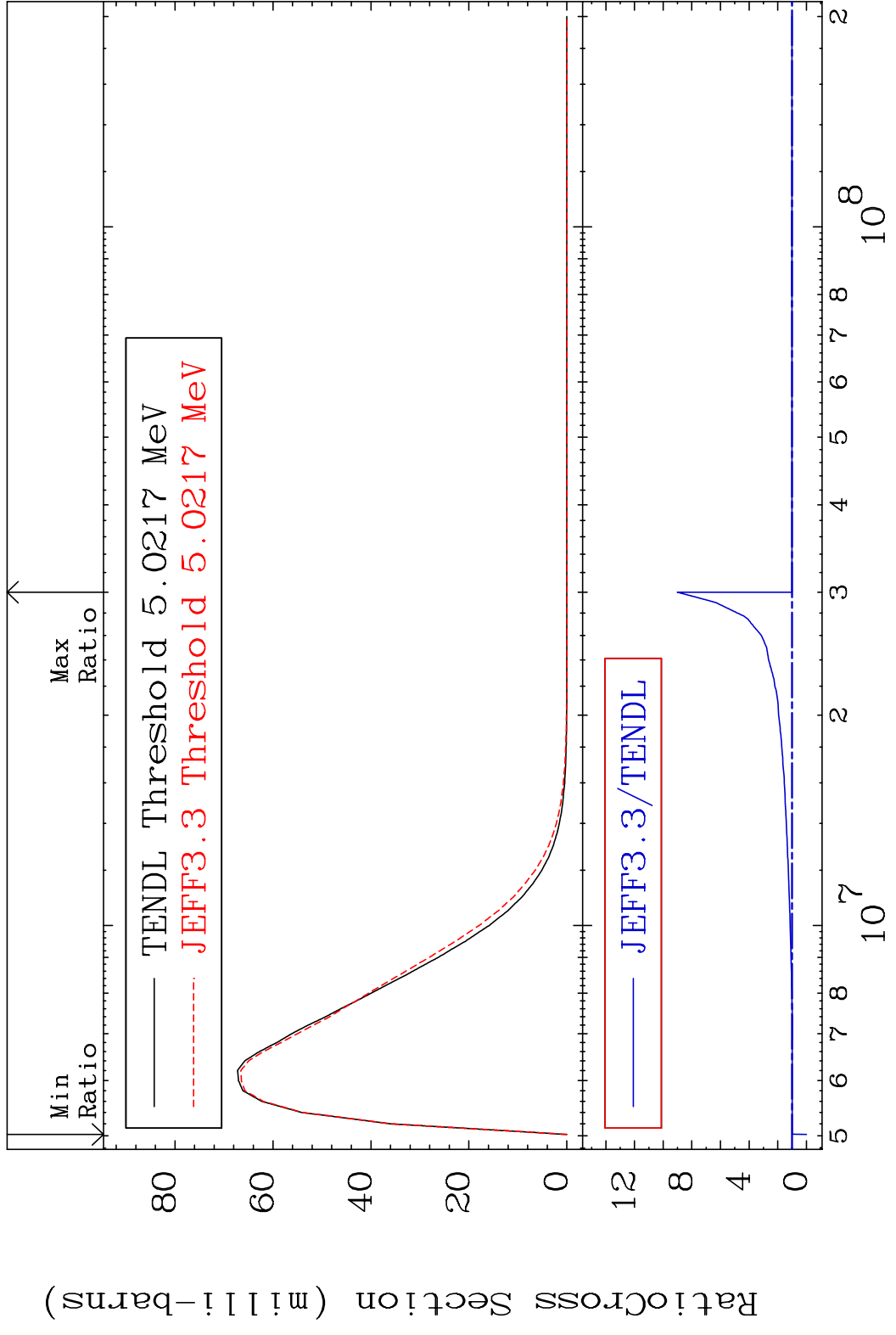
MAT 1631 MT= 56 (n,n') Level 16-S -34
 Cross Section -1.555 To 4.630 %



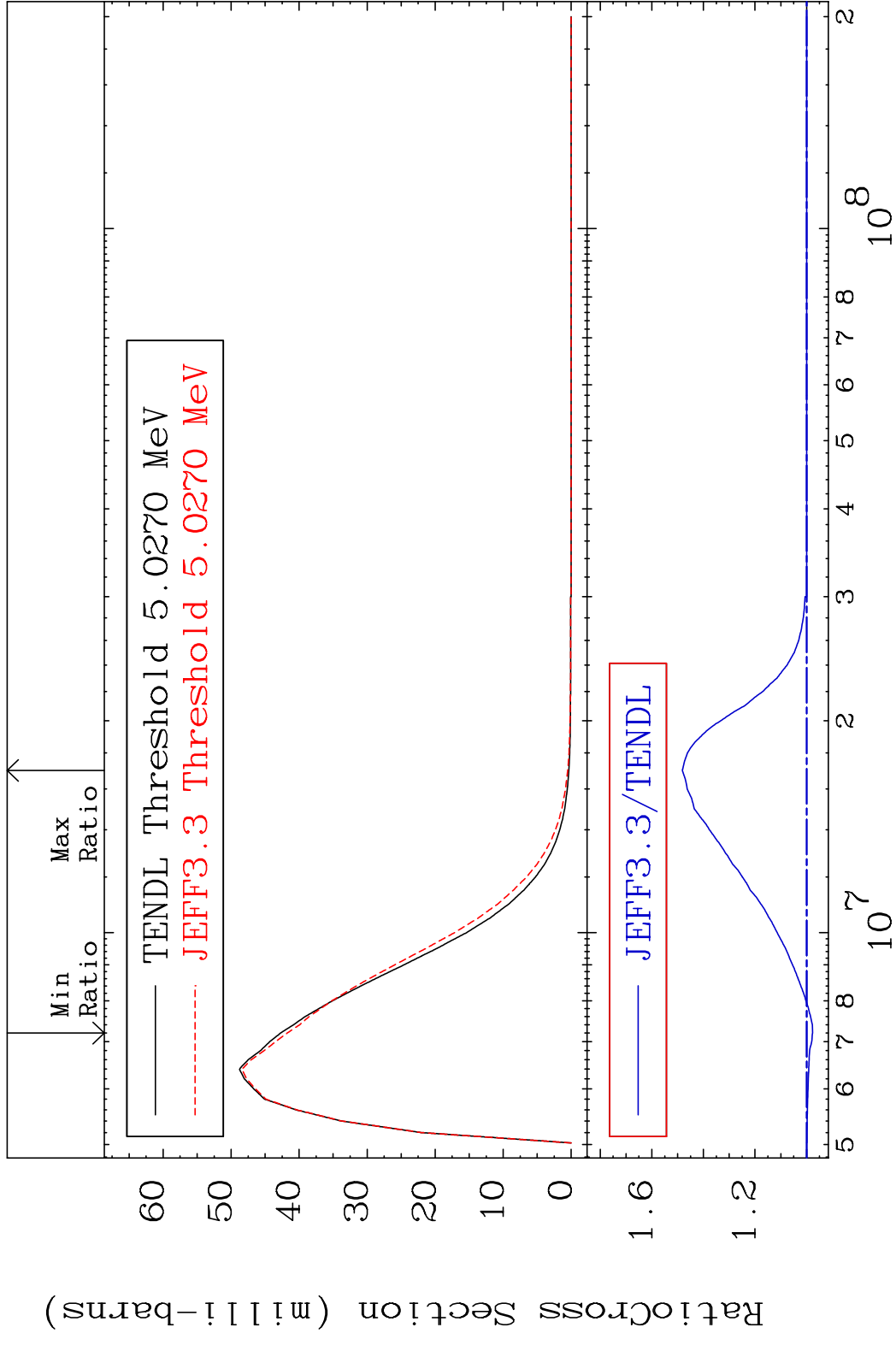
MAT 1631 MT= 57 (n,n') Level 16-S -34
 Cross Section -100.0 To 12.81 %



MAT 1631 MT= 58 (n, n') Level 16-S -34
 Cross Section -100.0 To 802.2 %

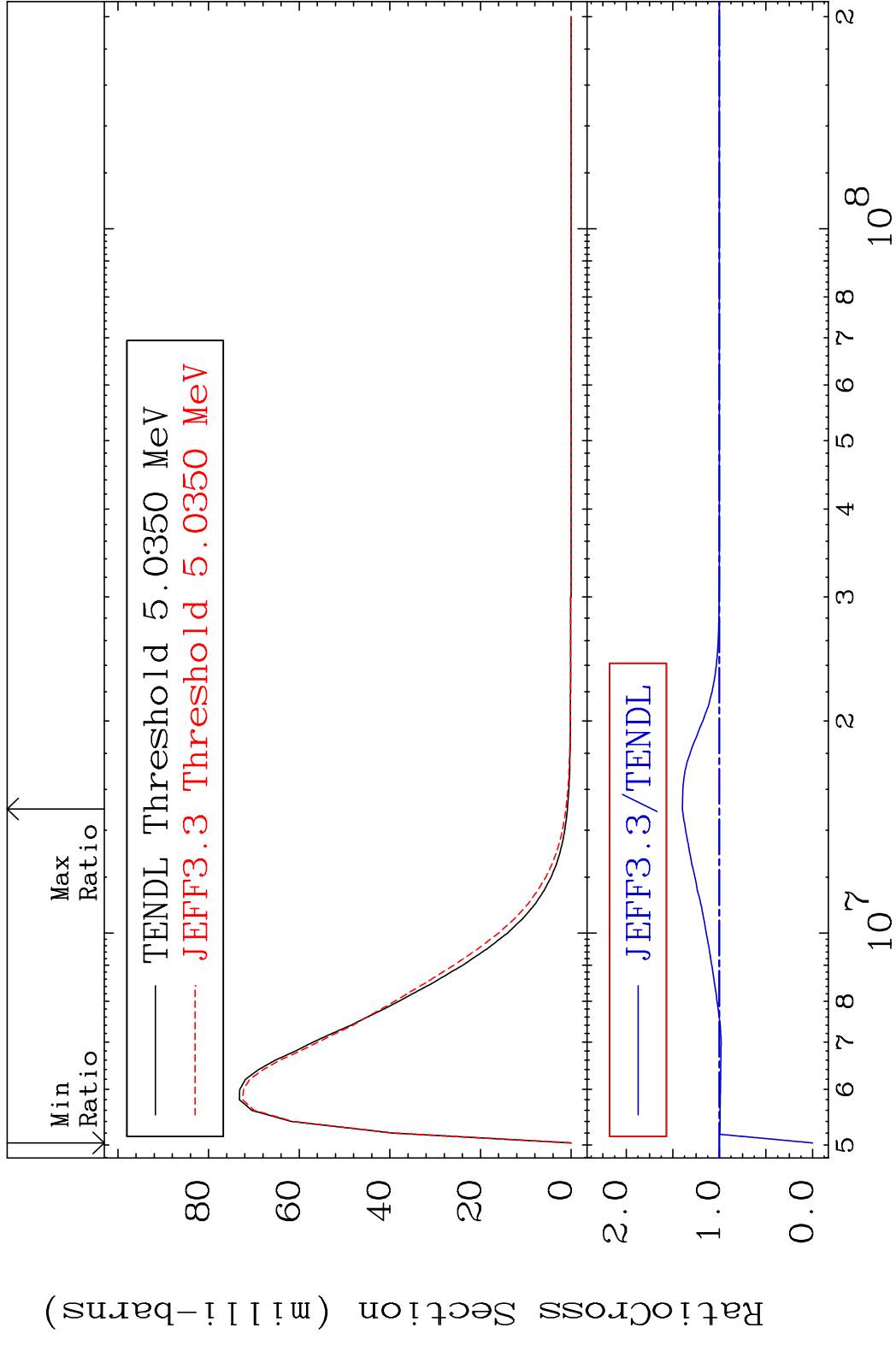


MAT 1631 MT= 59 (n,n') Level 16-S -34
 Cross Section -2.299 To 48.16 %

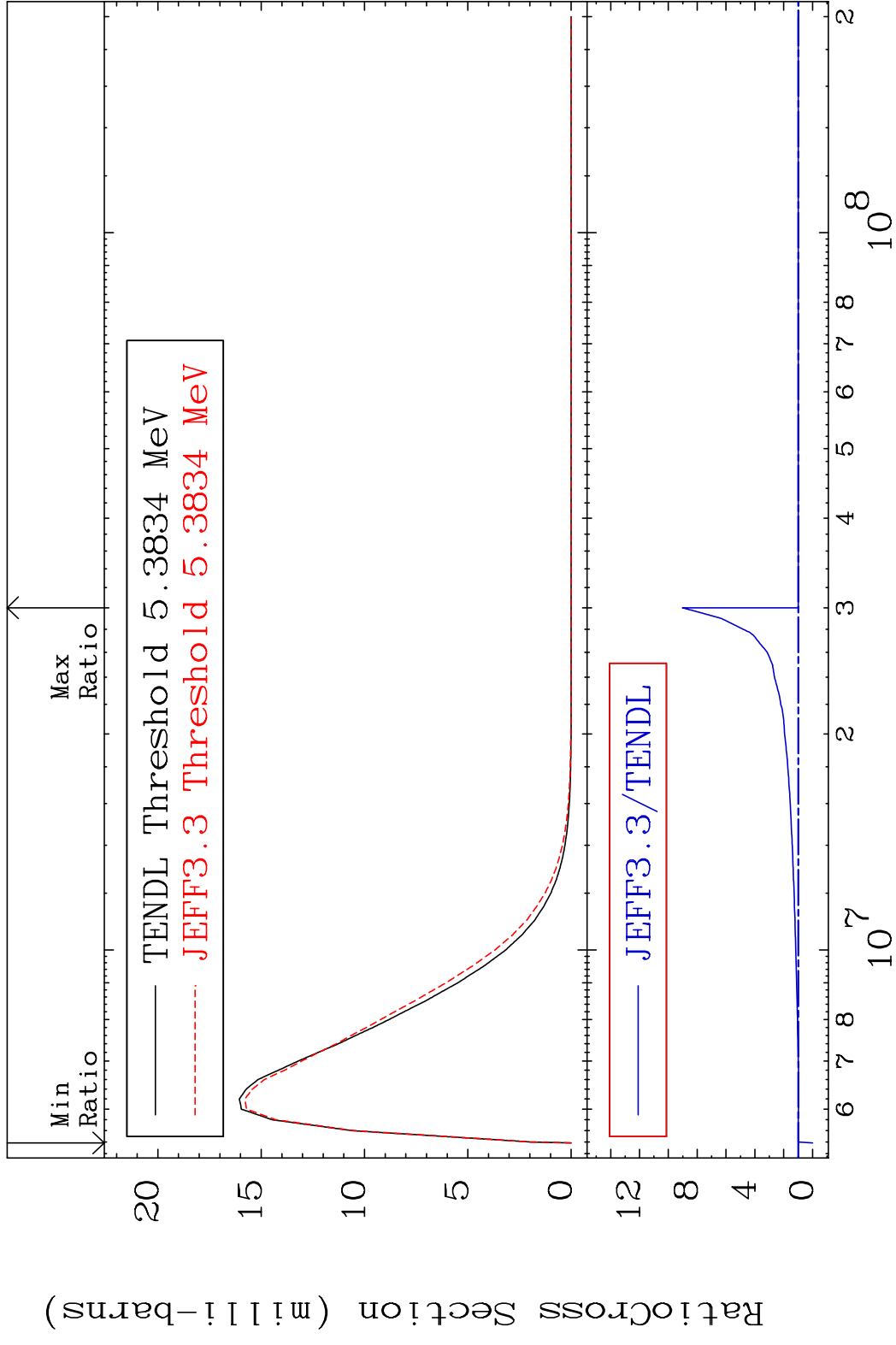


25 Incident Energy (eV) 16-S -34

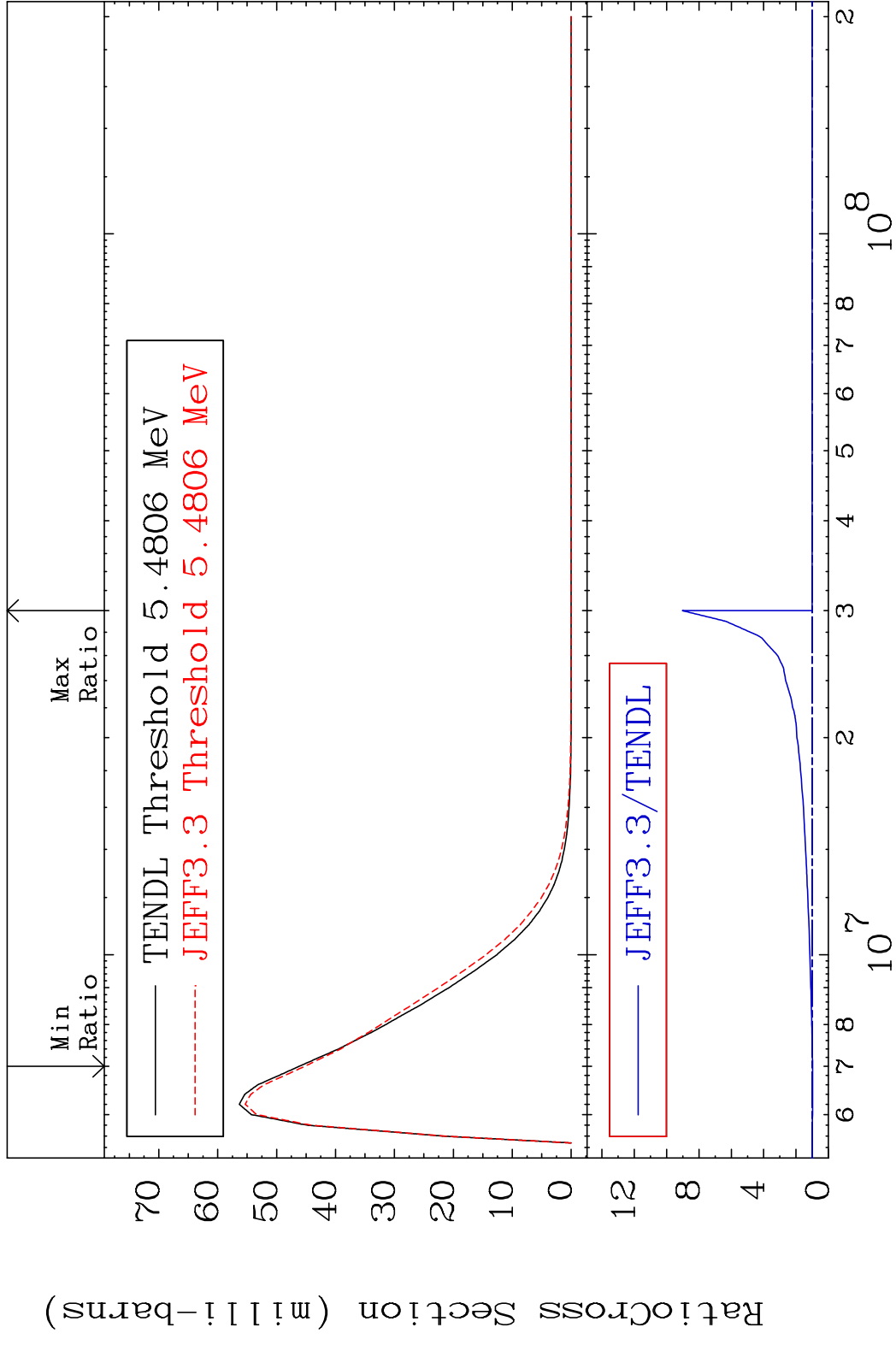
MAT 1631 MT= 60 (n,n') Level 16-S -34
 Cross Section -100.0 To 39.73 %



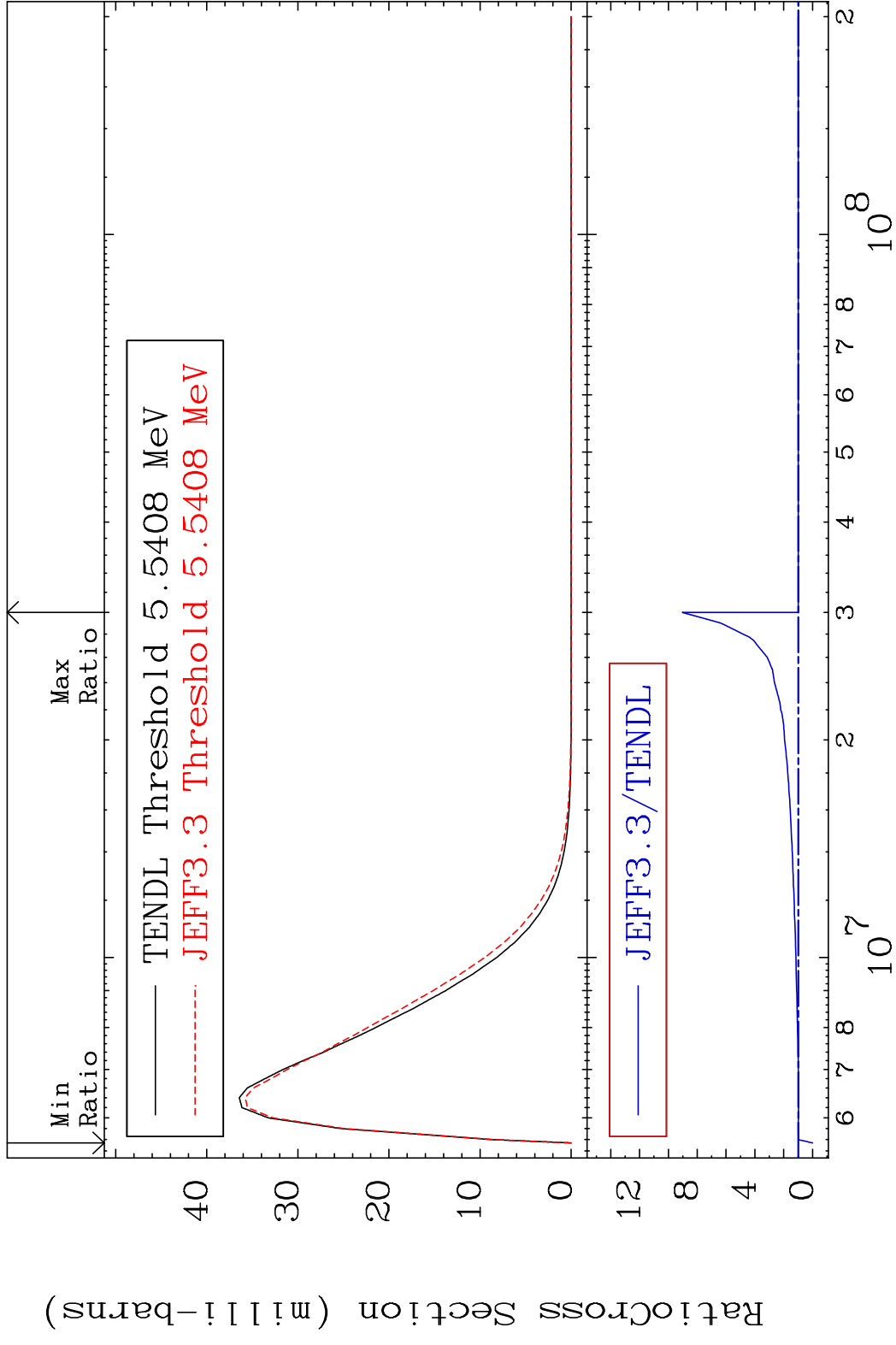
MAT 1631 MT= 61 (n, n') Level 16-S -34
 Cross Section -100.0 To 802.9 %



MAT 1631 MT= 62 (n, n') Level 16-S -34
 Cross Section -2.035 To 802.6 %



MAT 1631 MT= 63 (n, n') Level 16-S -34
 Cross Section -100.0 To 803.1 %



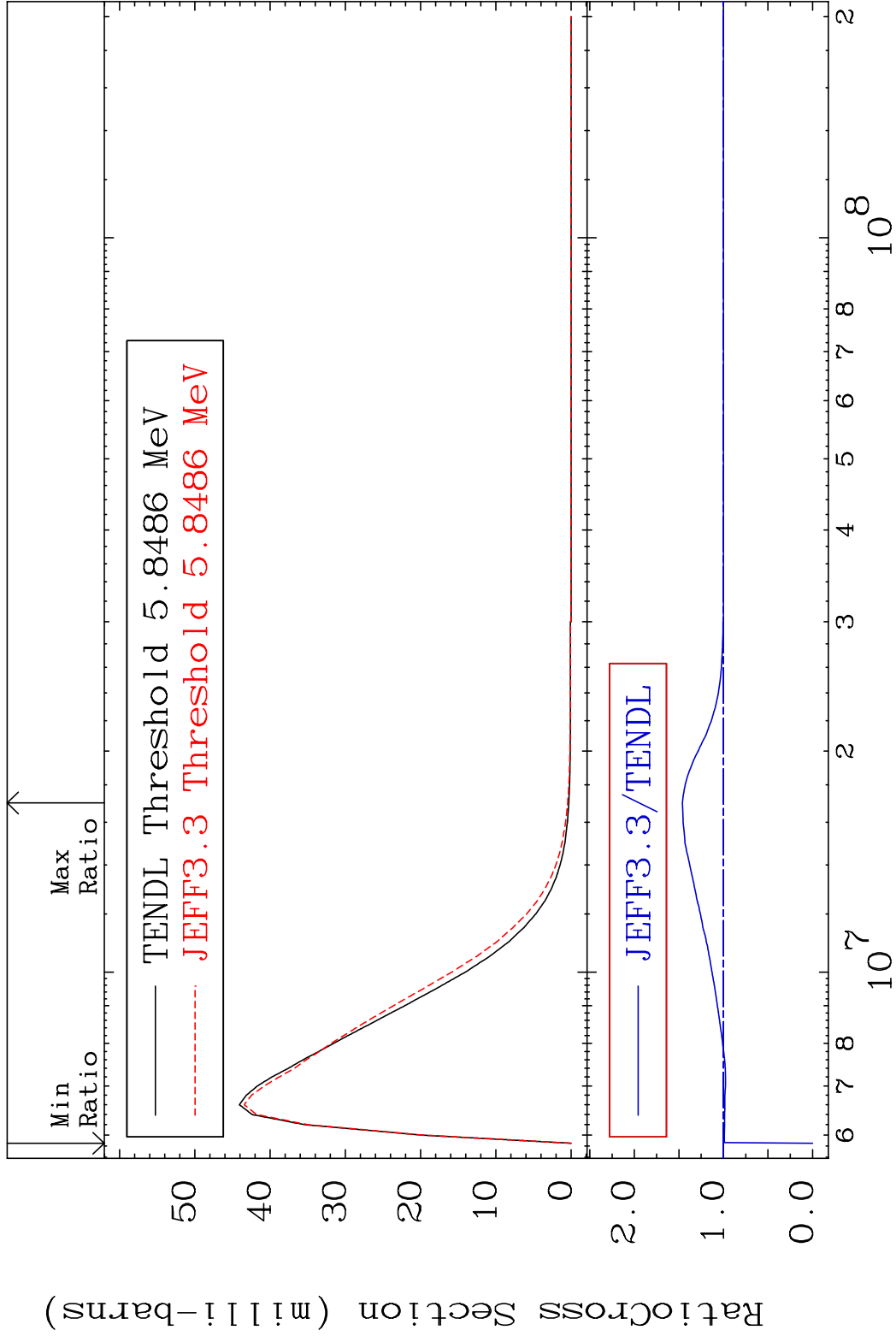
29 Incident Energy (eV) 16-S -34

MAT 1631

MT= 64 (n,n') Level

16-S -34

Cross Section -100.0 To 46.10 %



30

Incident Energy (eV)

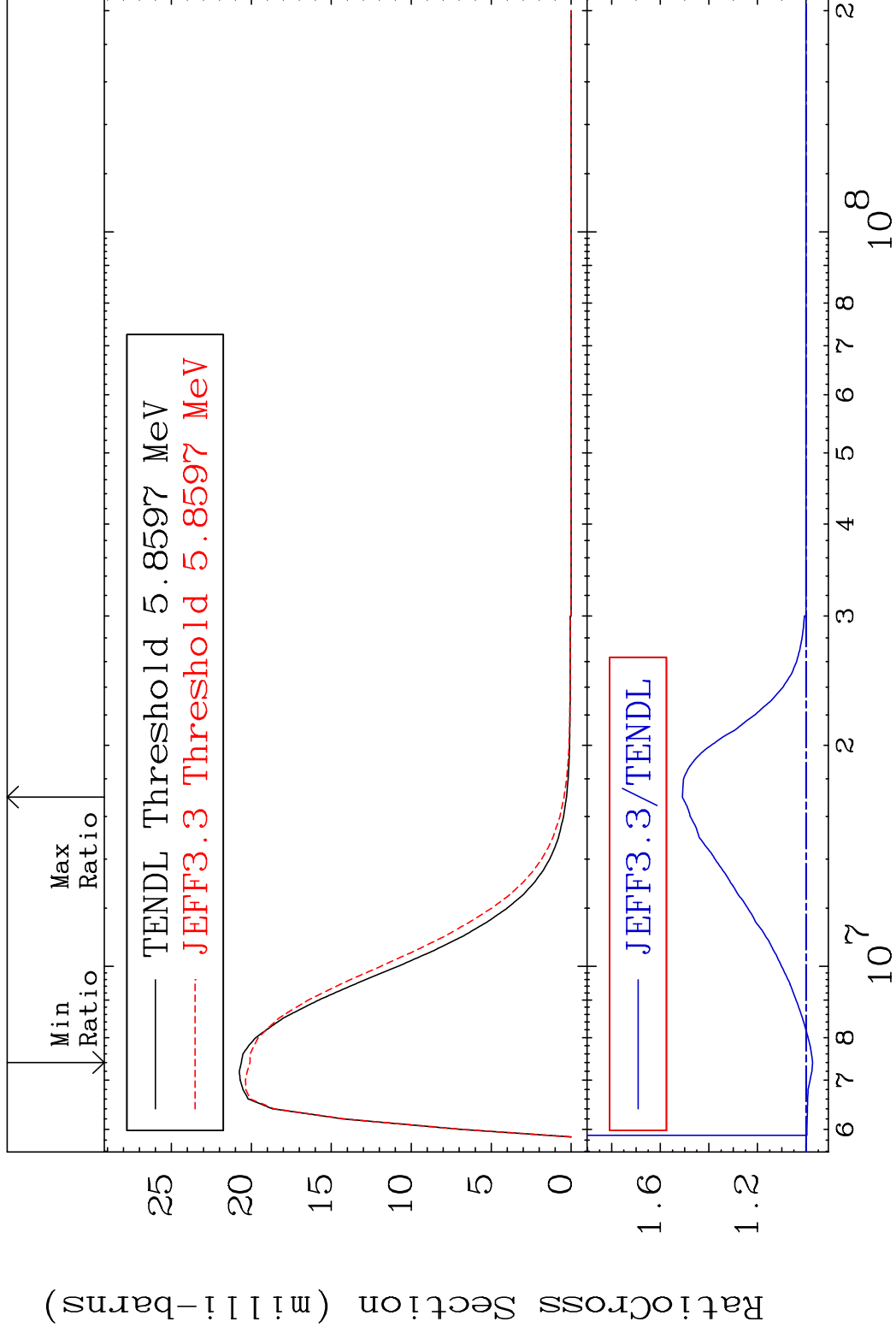
16-S -34

MAT 1631

MT= 65 (n,n') Level

16-S -34

Cross Section -2.656 To 50.94 %

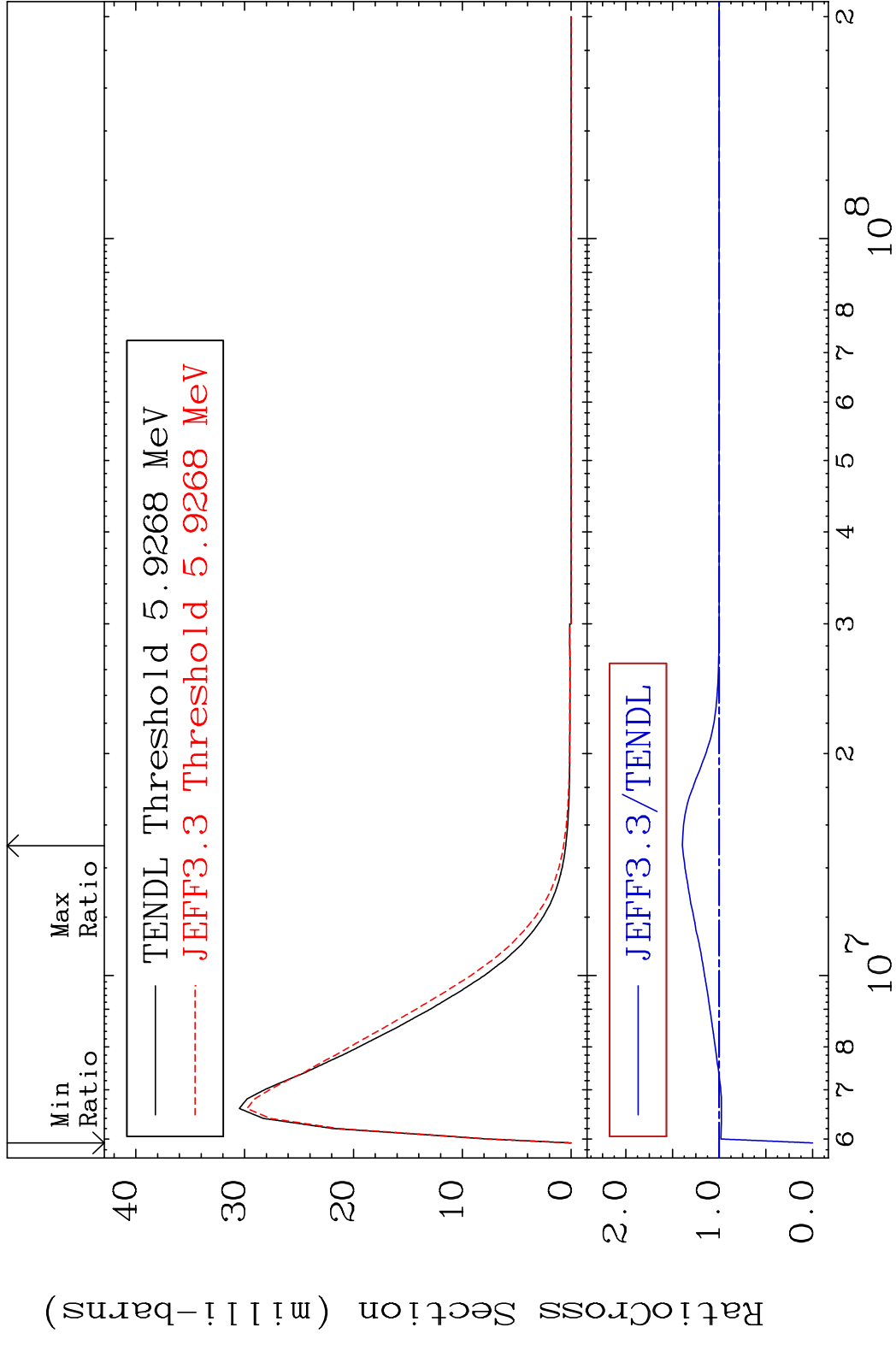


31

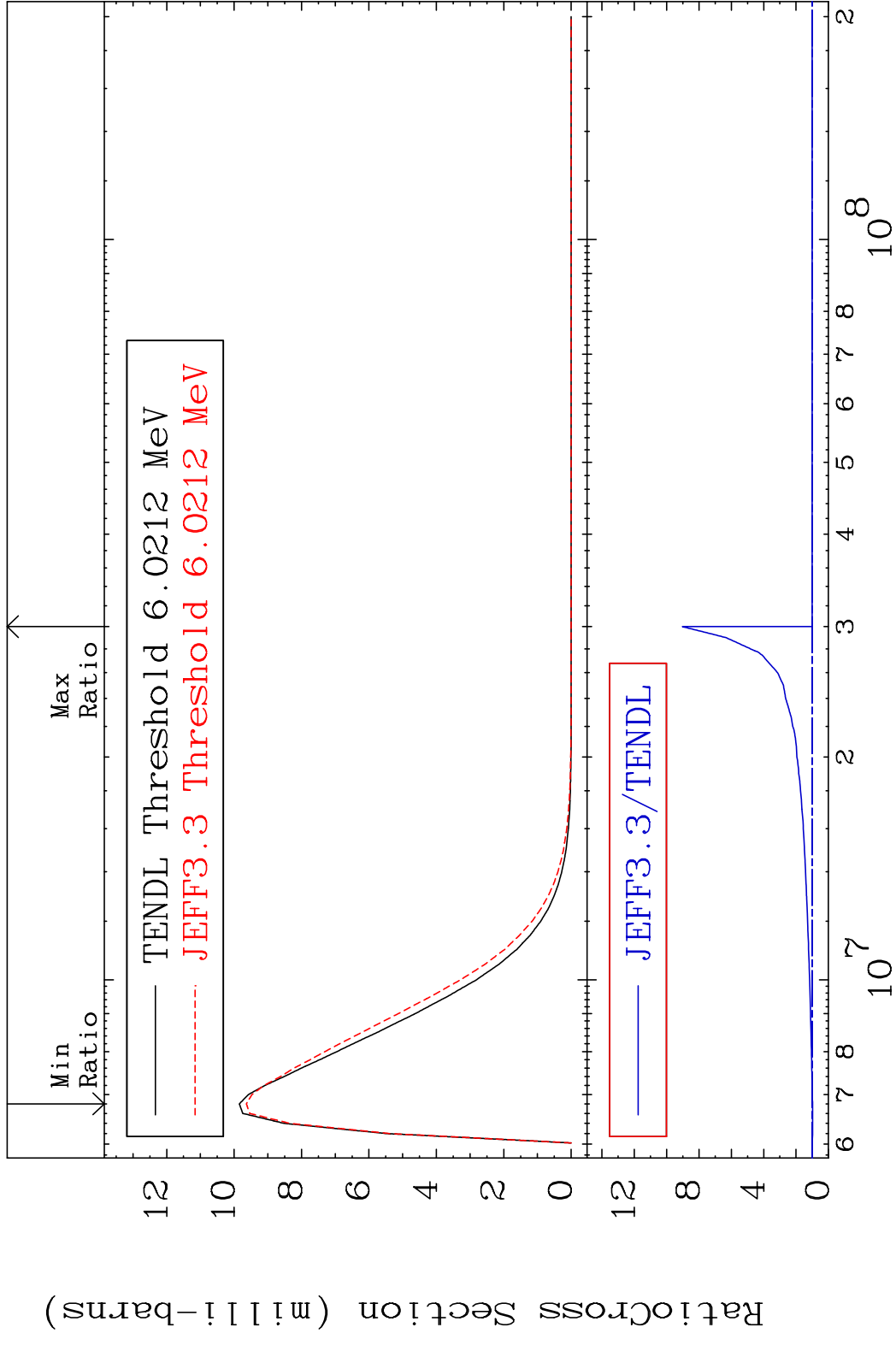
Incident Energy (eV)

16-S -34

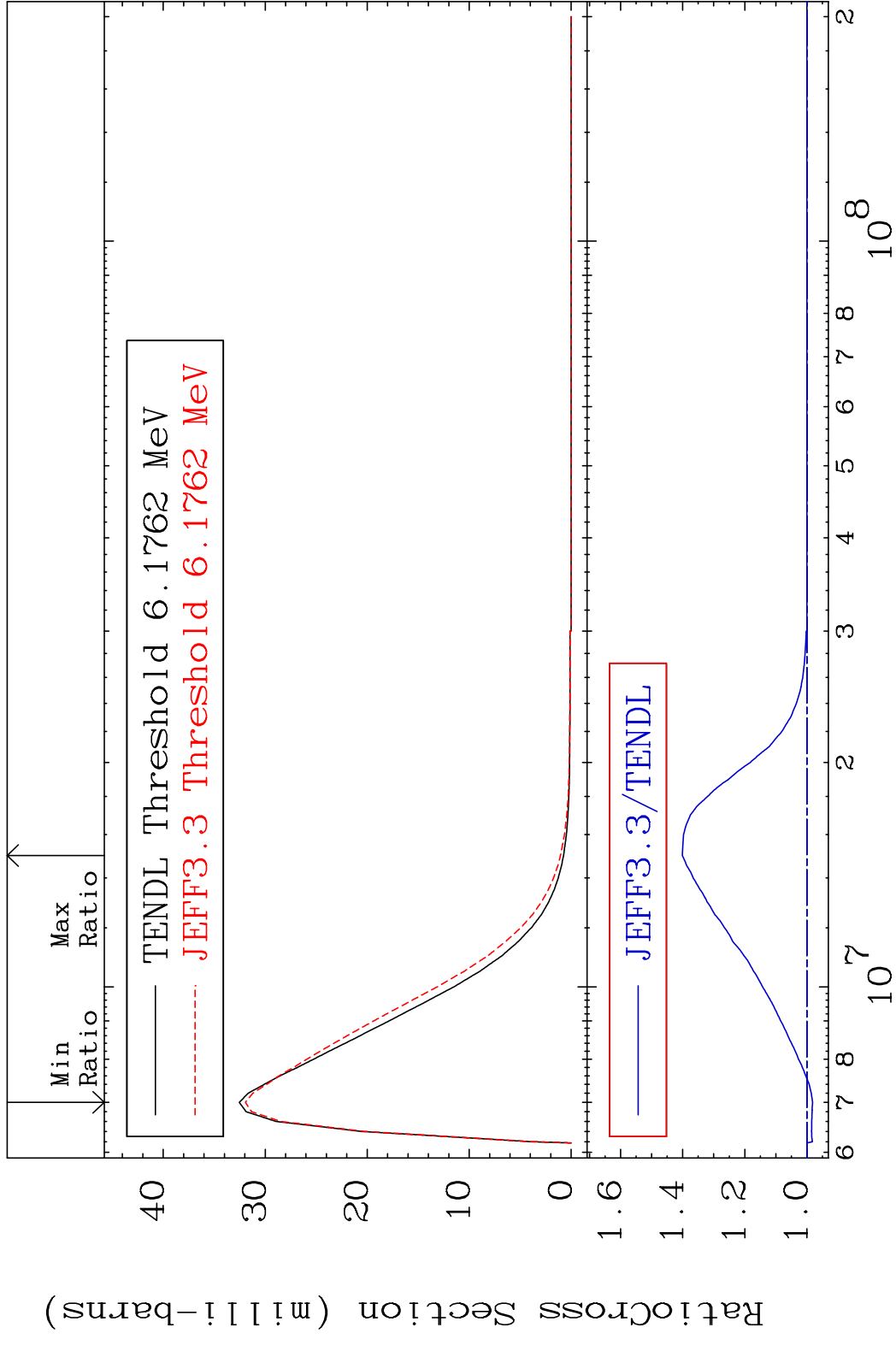
MAT 1631 MT= 66 (n,n') Level 16-S -34
 Cross Section -100.0 To 39.49 %



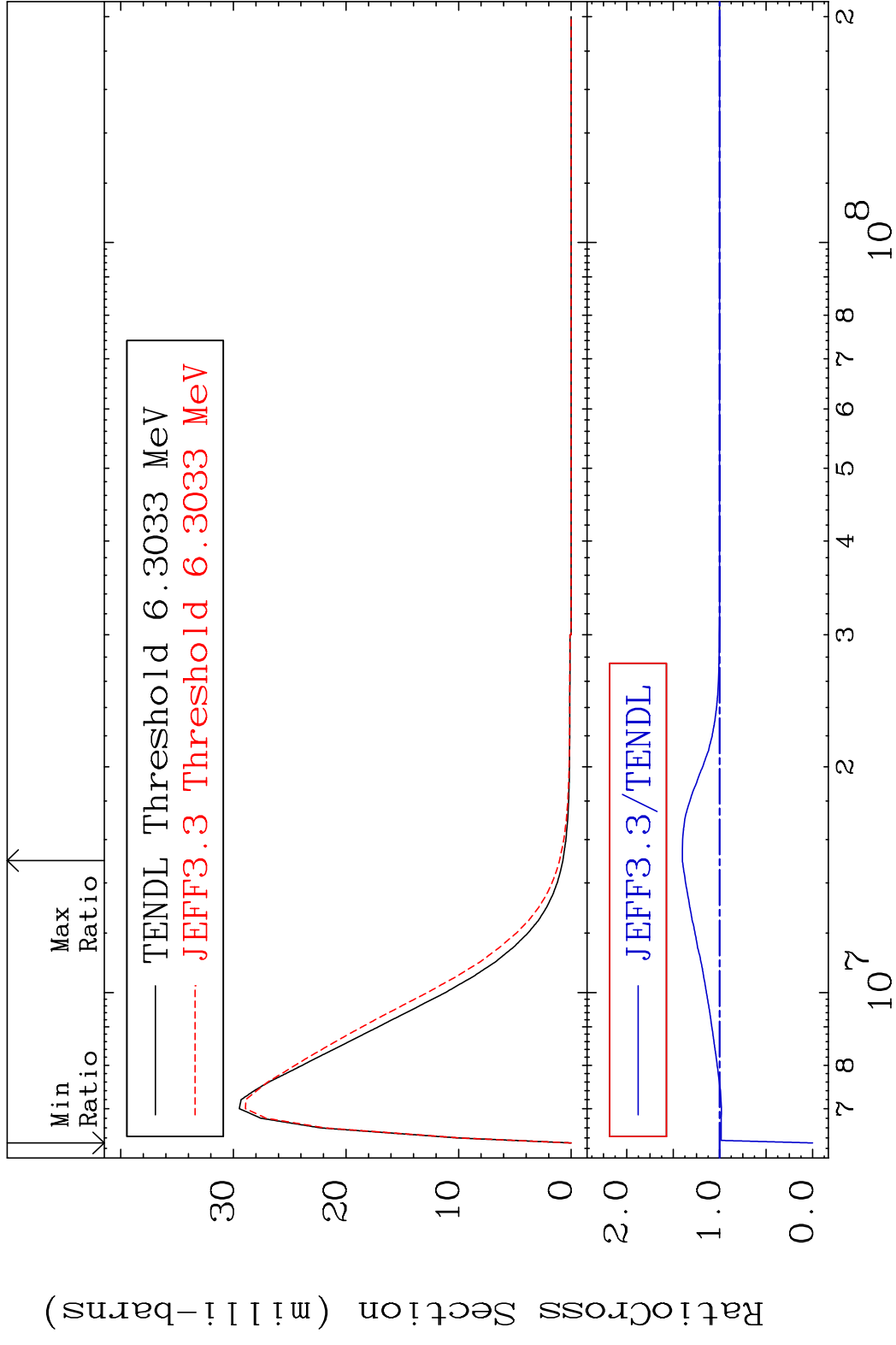
MAT 1631 MT= 67 (n, n') Level 16-S -34
 Cross Section -2.143 To 803.0 %



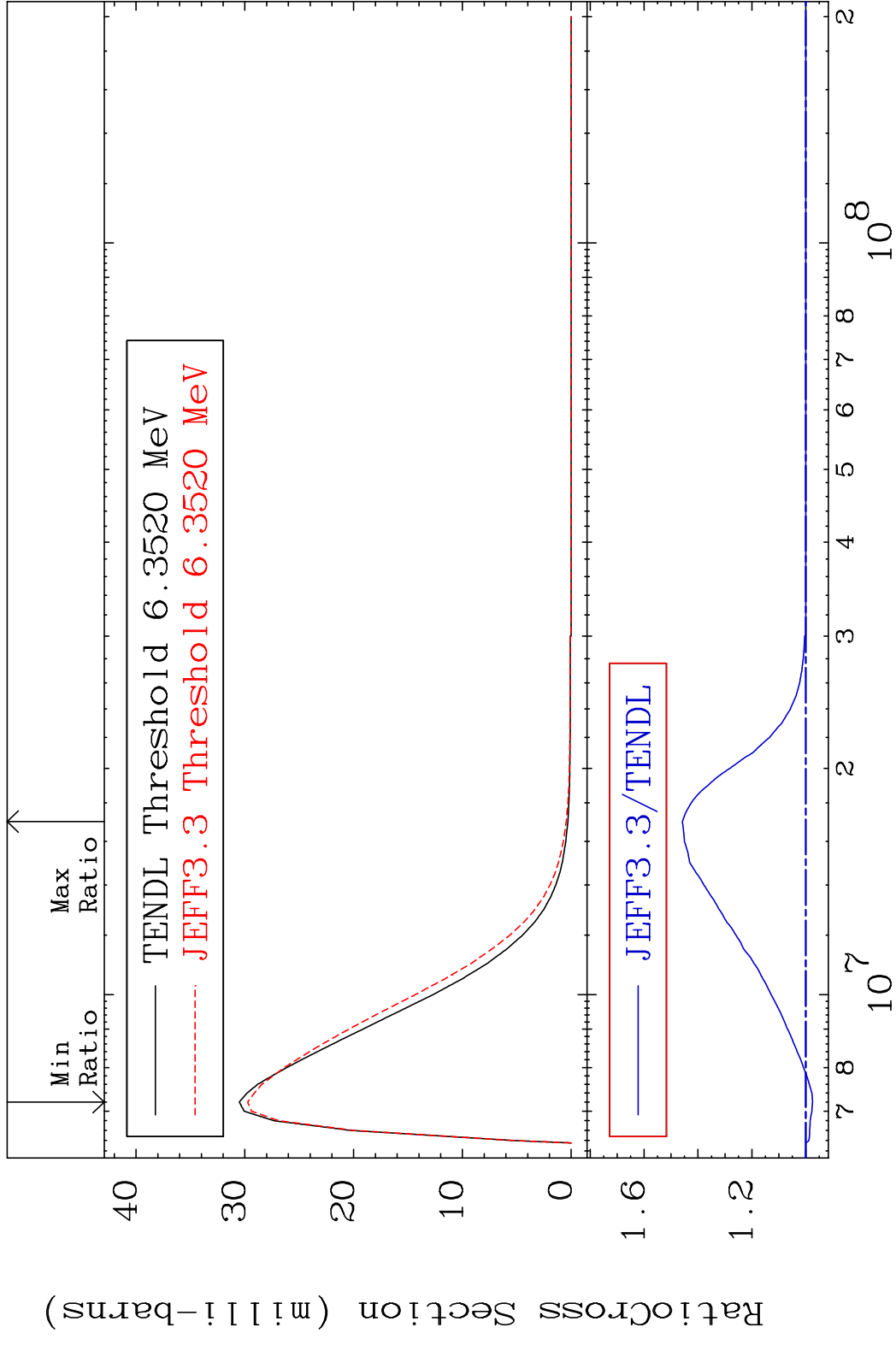
MAT 1631 MT= 68 (n, n') Level 16-S -34
 Cross Section -1.836 To 40.11 %



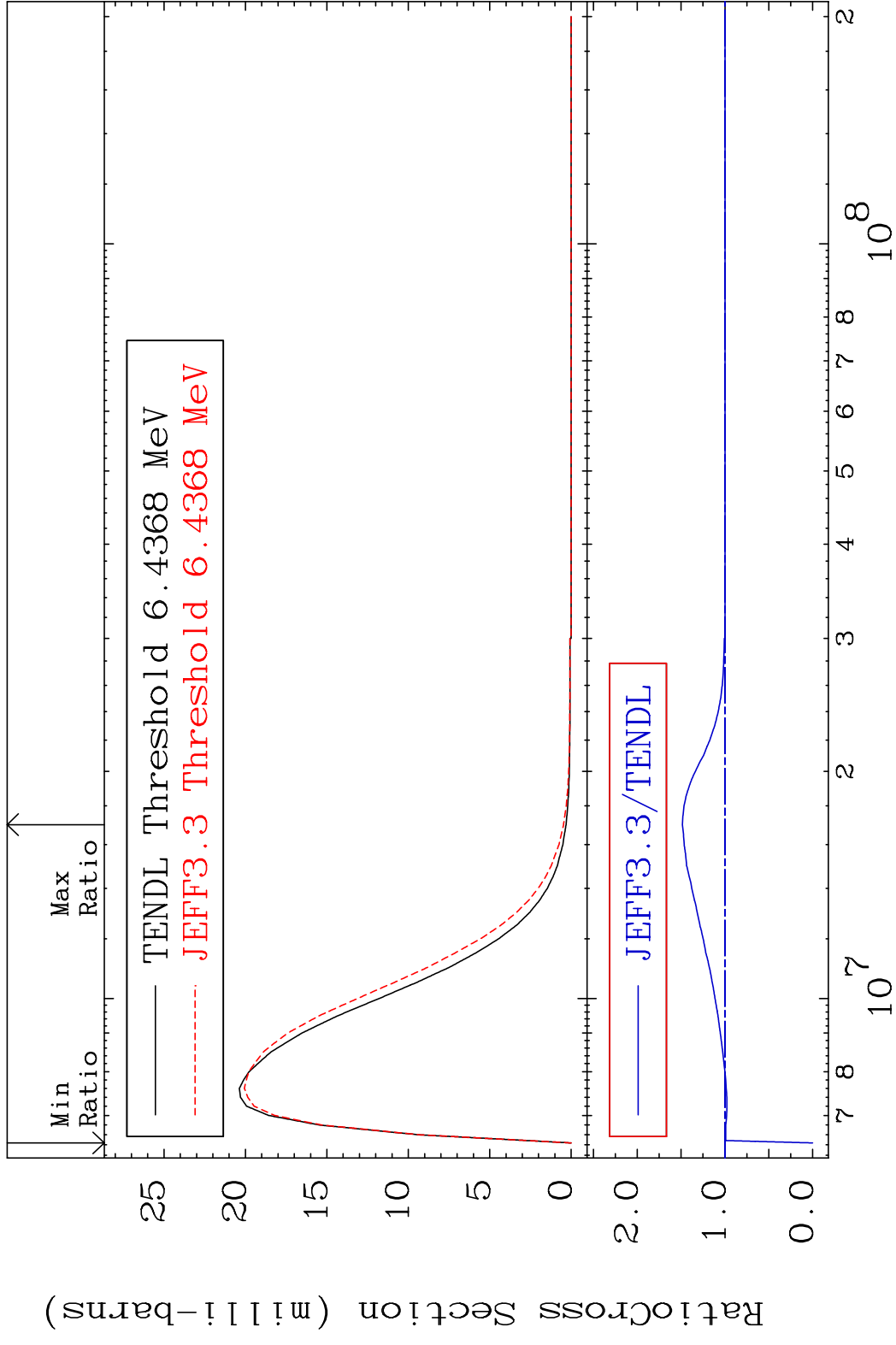
MAT 1631 MT= 69 (n,n') Level 16-S -34
 Cross Section -100.0 To 40.16 %



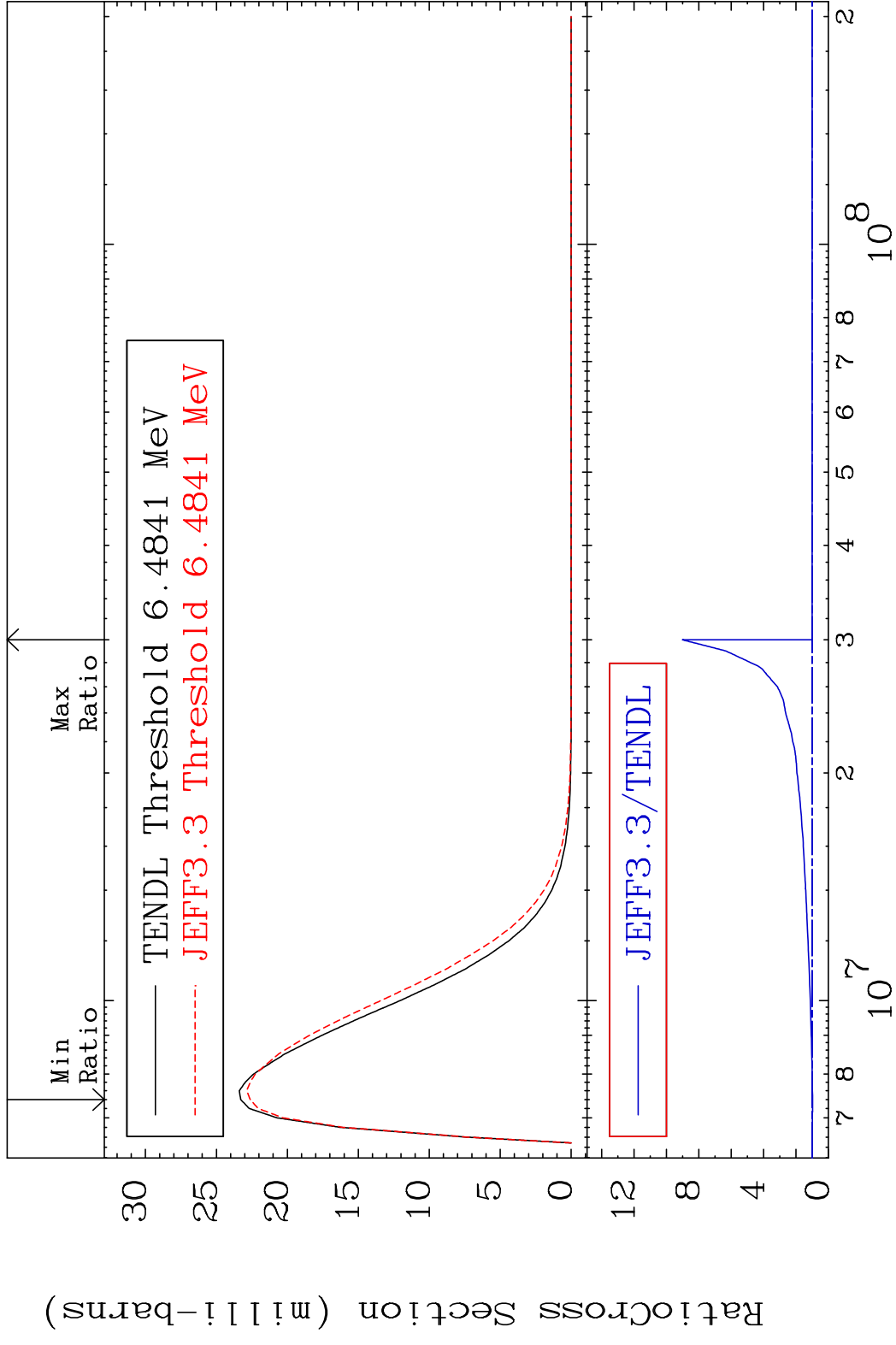
MAT 1631 MT= 70 (n,n') Level 16-S -34
 Cross Section -2.527 To 45.81 %



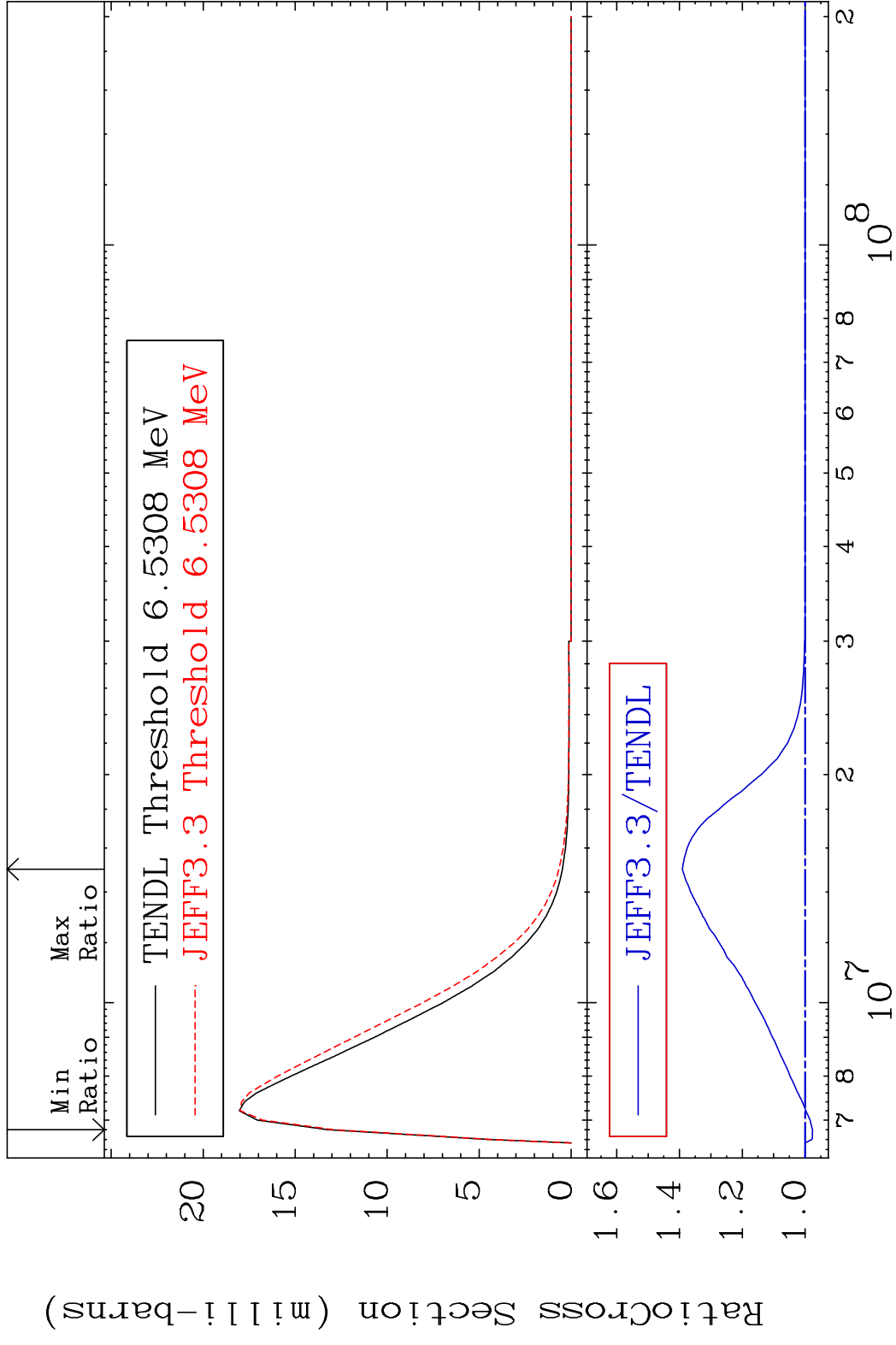
MAT 1631 MT= 71 (n,n') Level 16-S -34
 Cross Section -100.0 To 48.58 %



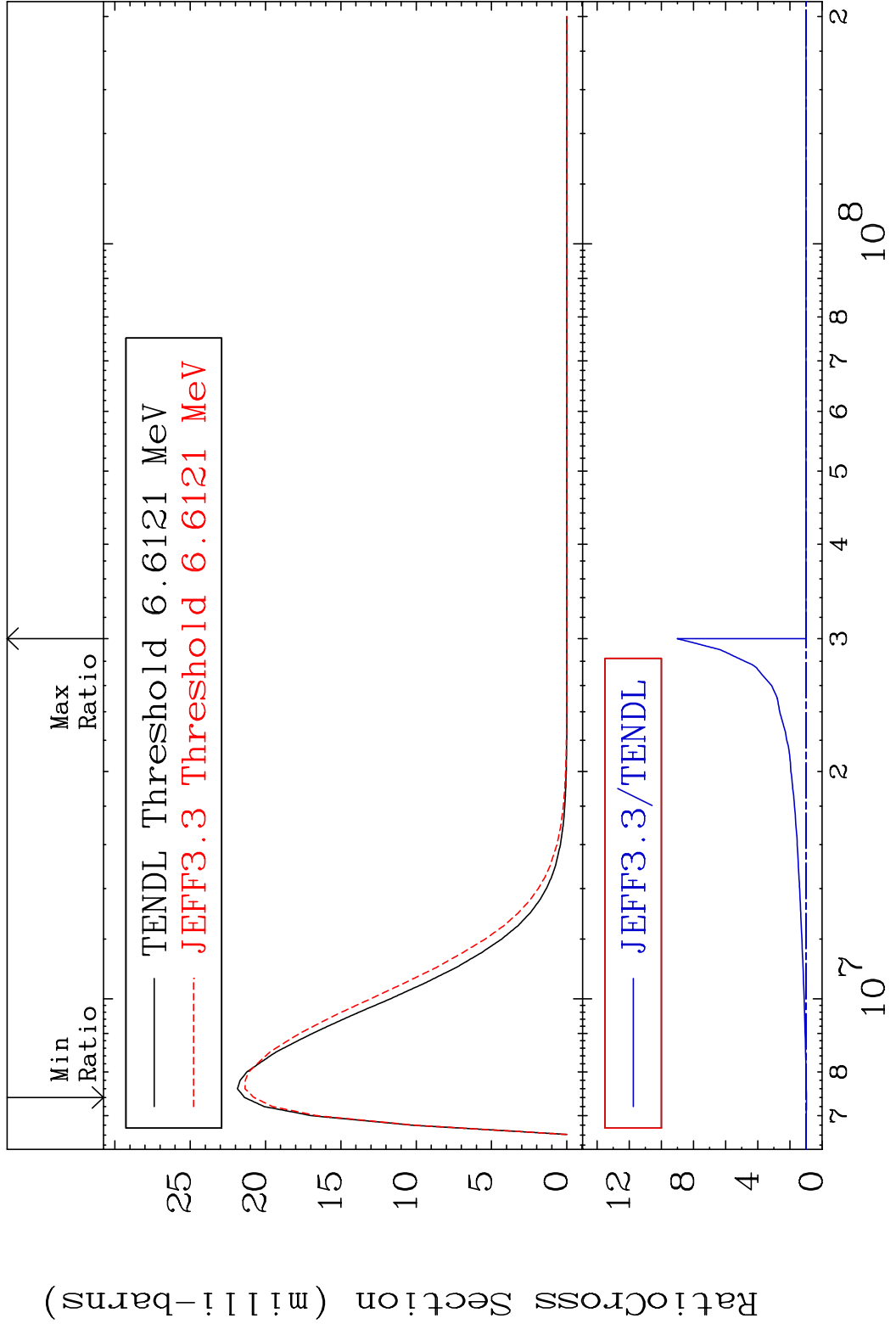
MAT 1631 MT= 72 (n,n') Level 16-S -34
 Cross Section -2.875 To 801.8 %



MAT 1631 MT= 73 (n, n') Level 16-S -34
 Cross Section -2.394 To 39.09 %

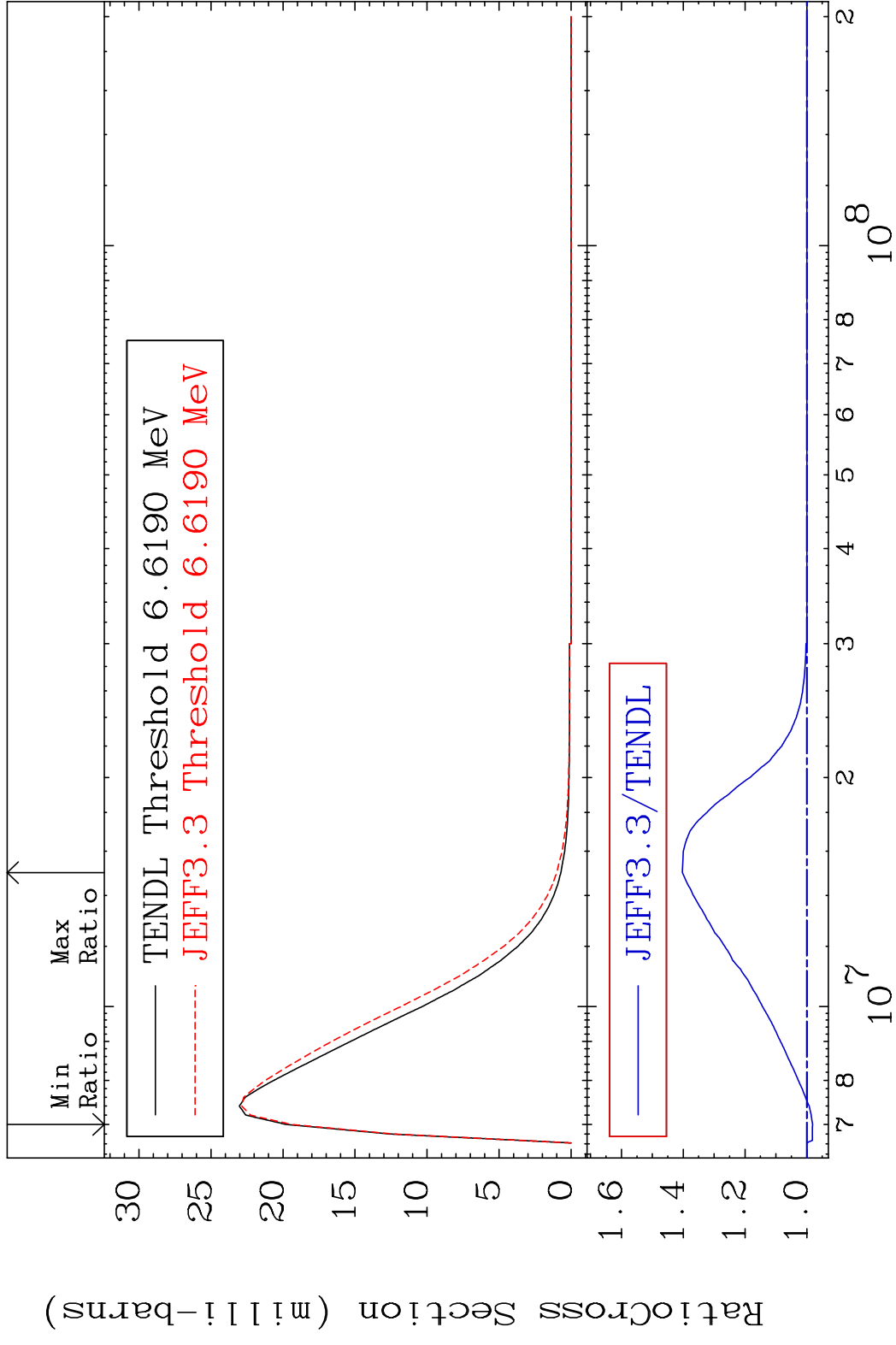


MAT 1631 MT= 74 (n,n') Level 16-S -34
 Cross Section -2.910 To 801.8 %

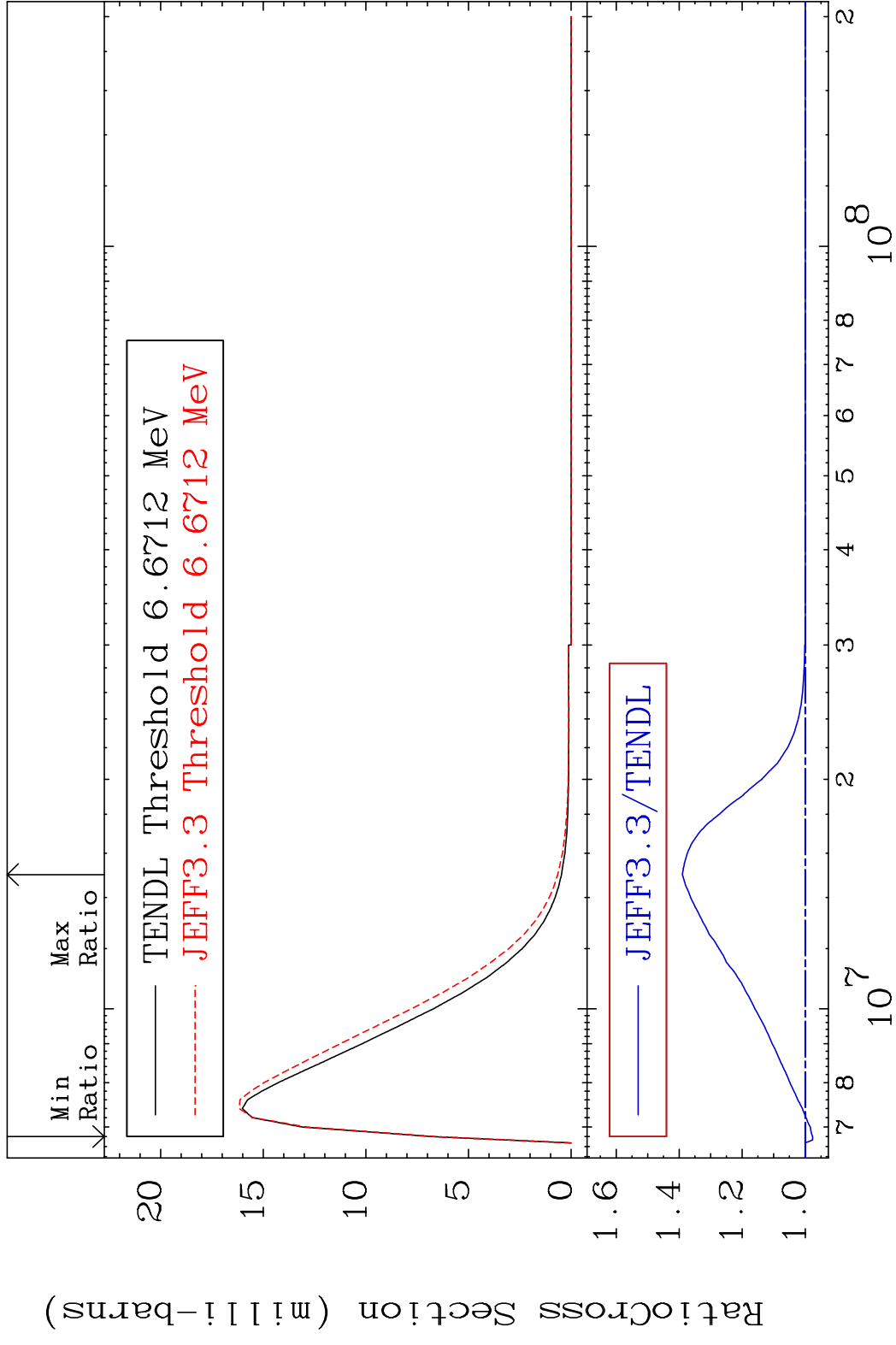


40 16-S -34

MAT 1631 MT= 75 (n,n') Level 16-S -34
 Cross Section -1.864 To 40.29 %

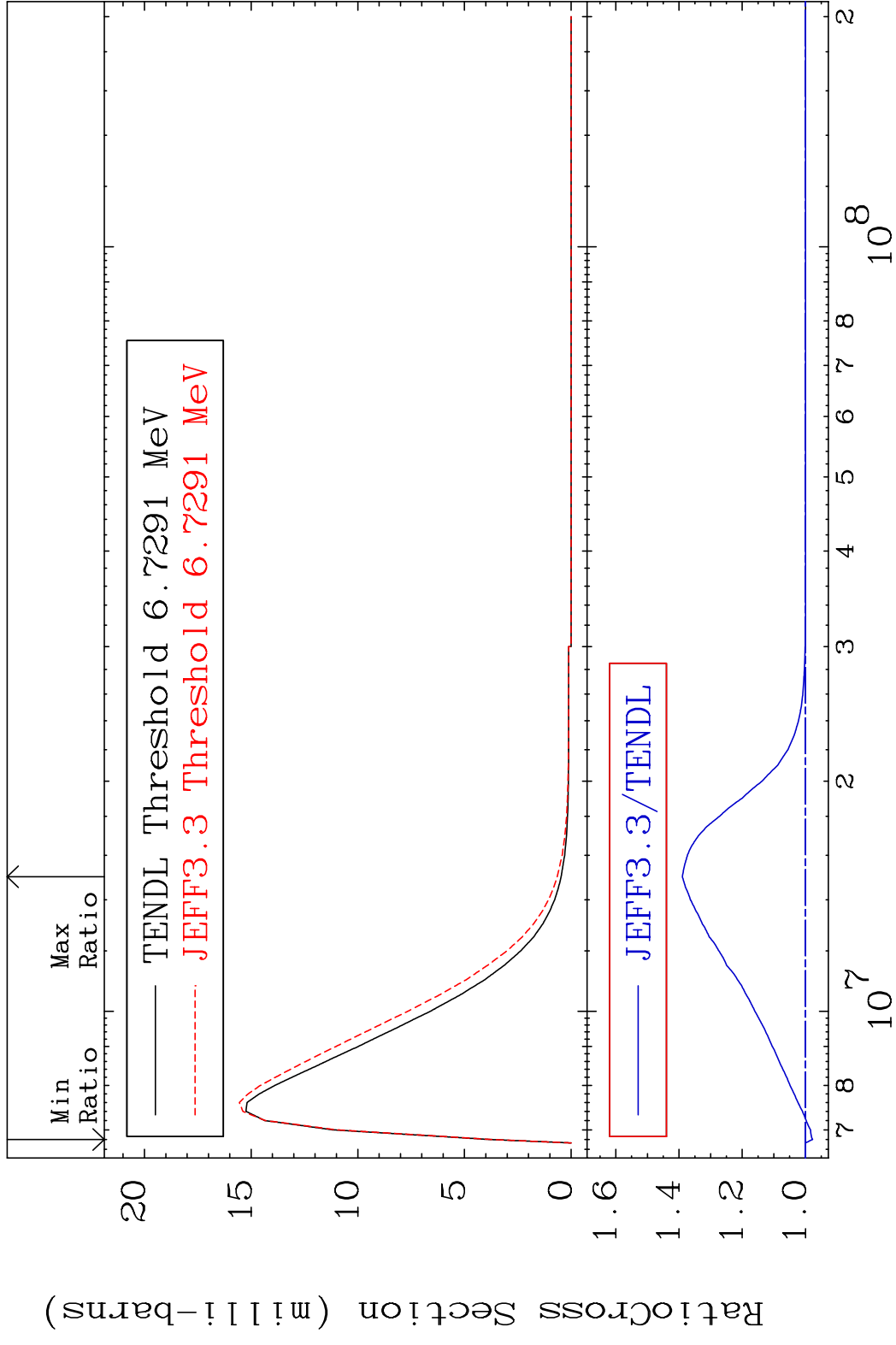


MAT 1631 MT= 76 (n,n') Level 16-S -34
 Cross Section -2.336 To 38.99 %

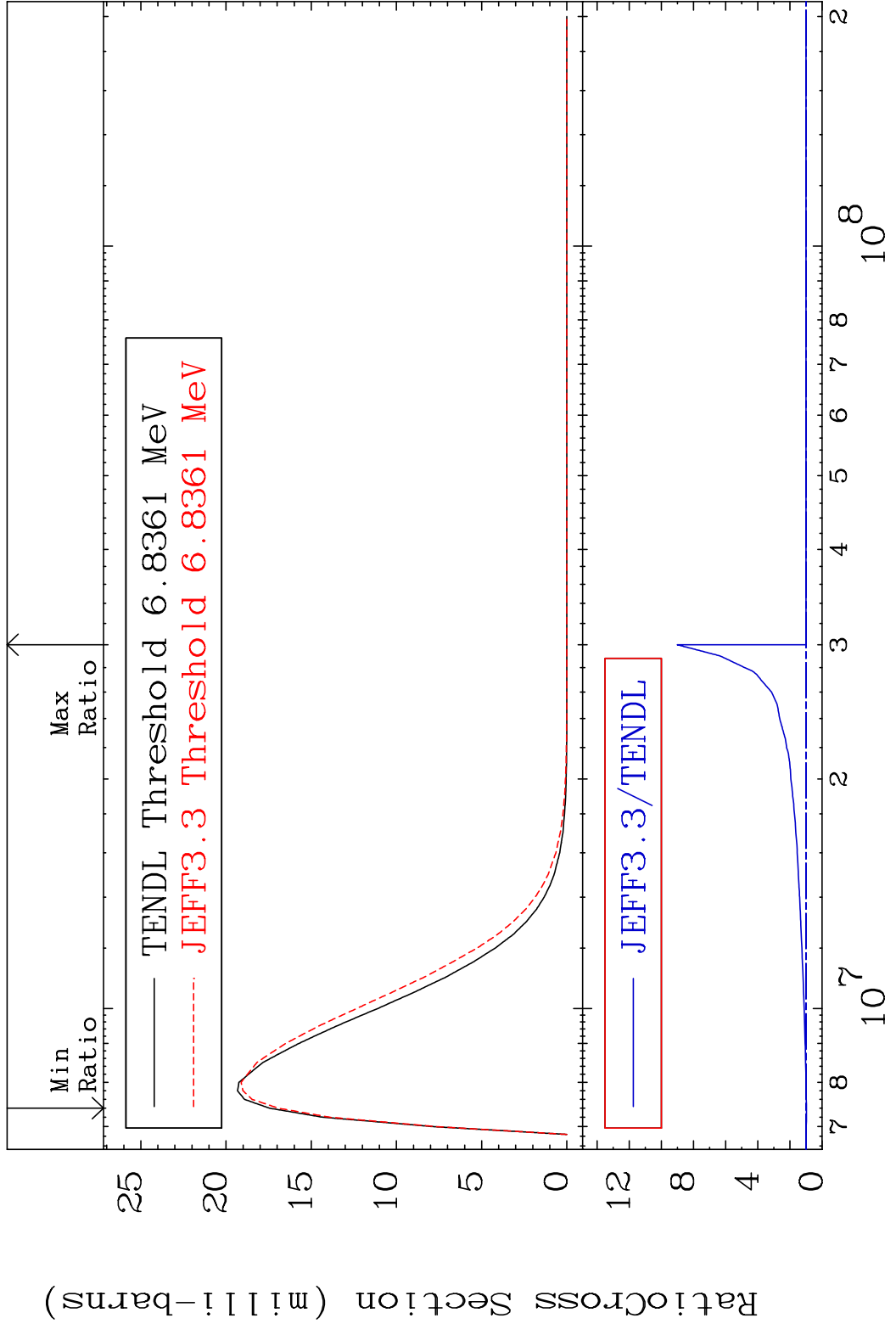


42 Incident Energy (eV) 16-S -34

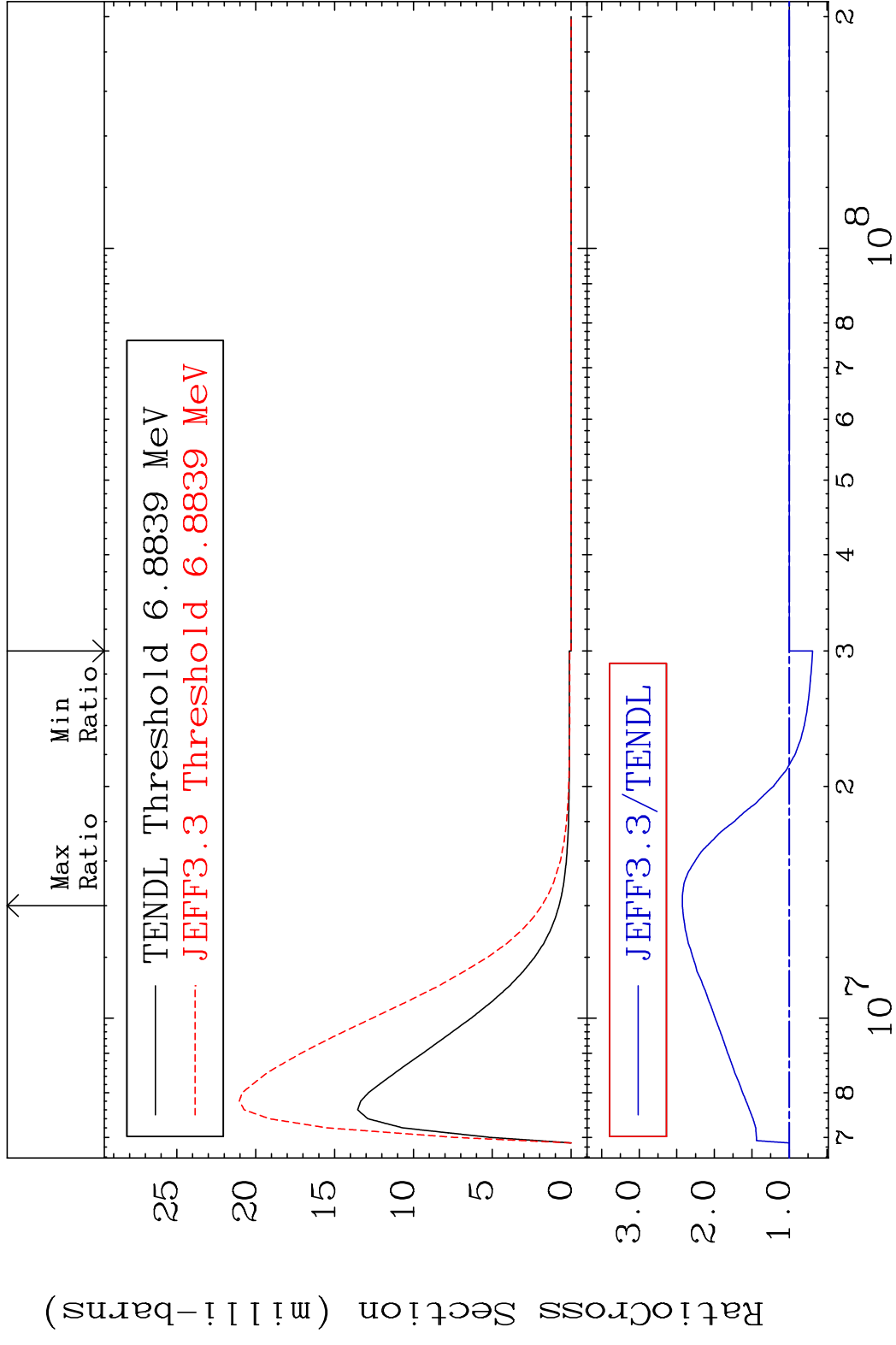
MAT 1631 MT= 77 (n,n') Level 16-S -34
 Cross Section -2.248 To 38.95 %



MAT 1631 MT= 78 (n,n') Level 16-S -34
 Cross Section -2.960 To 801.8 %



MAT 1631 MT= 79 (n, n') Level 16-S -34
 Cross Section -30.87 To 142.6 %



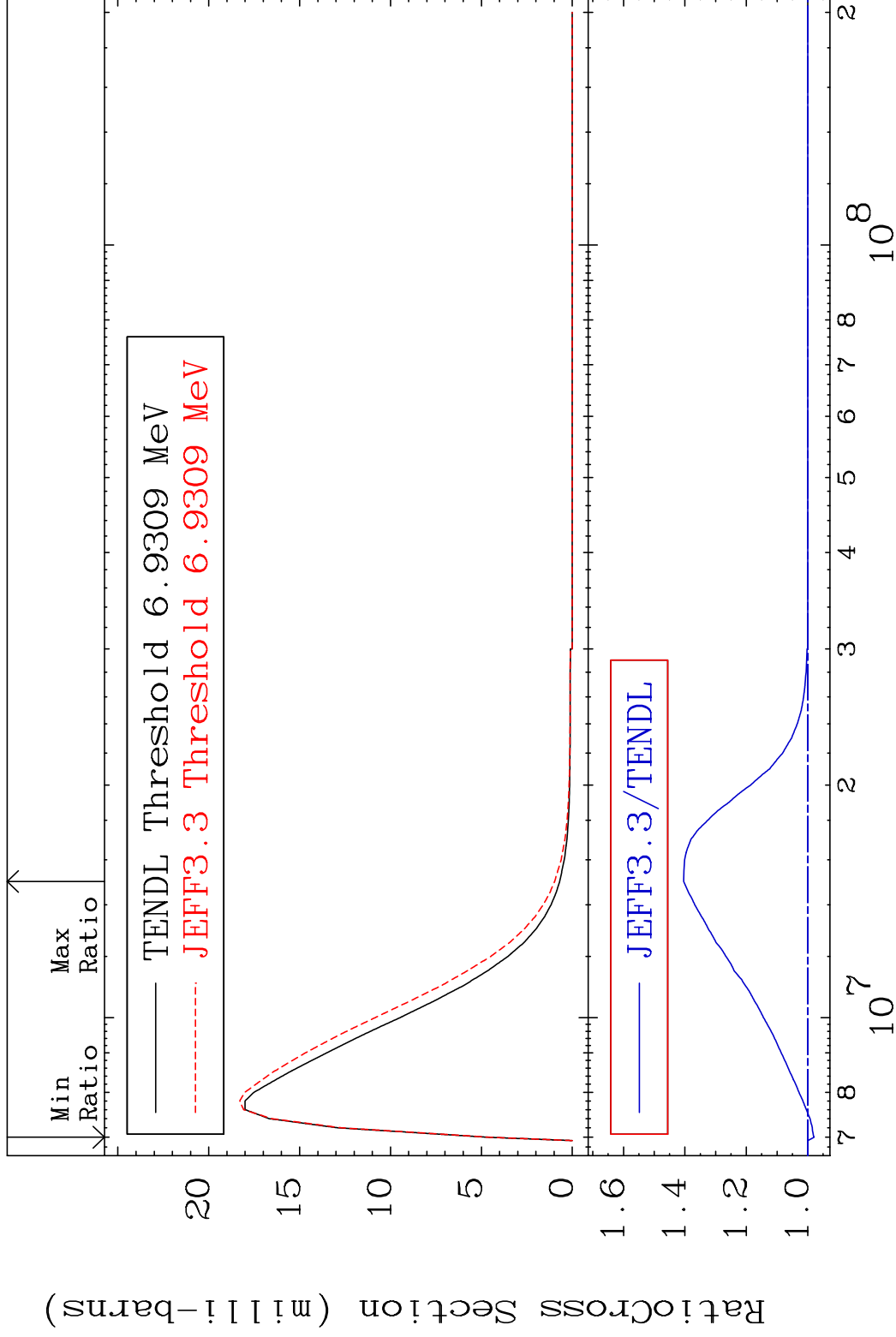
45 Incident Energy (eV) 16-S -34

MAT 1631

MT= 80 (n, n') Level

16-S -34

Cross Section -2.060 To 40.42 %

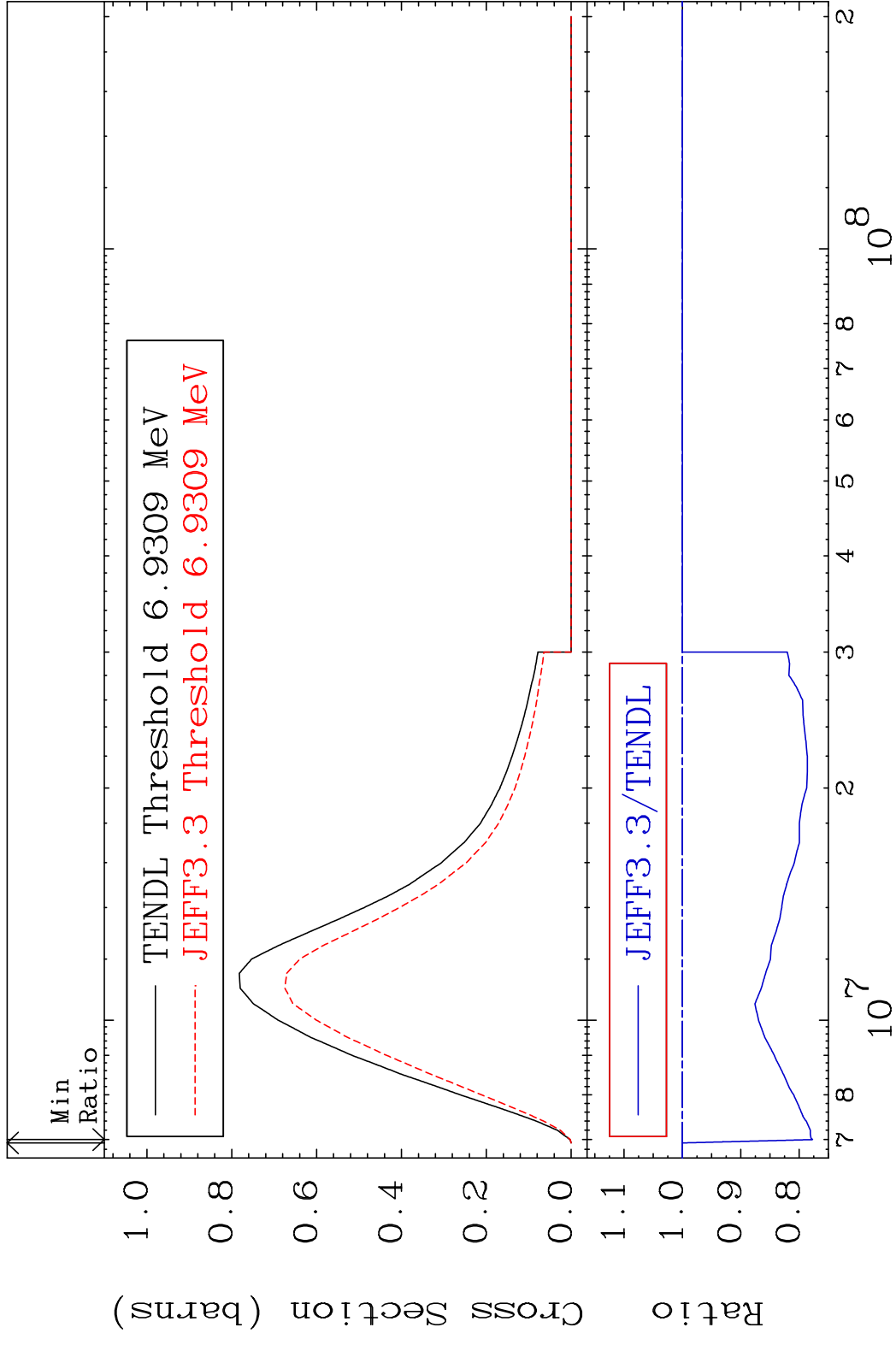


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Incident Energy (eV)

16-S -34

MAT 1631 (n,n') Continuum 16-S -34
 Cross Section -22.31 To 0.000 %

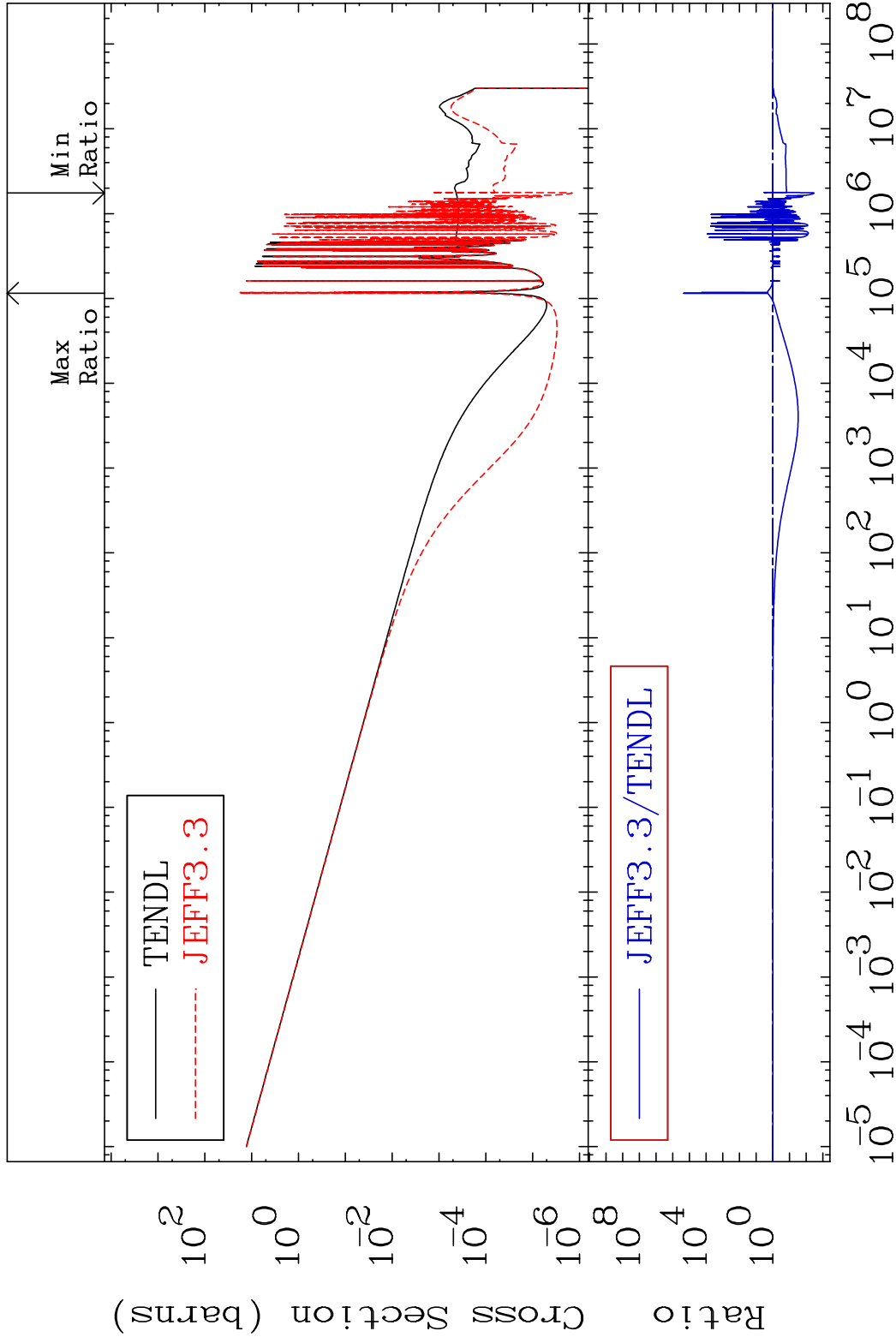


MAT 1631

(n, γ)

16-S -34

Cross Section -99.67 To 9999. %



48

Incident Energy (eV)

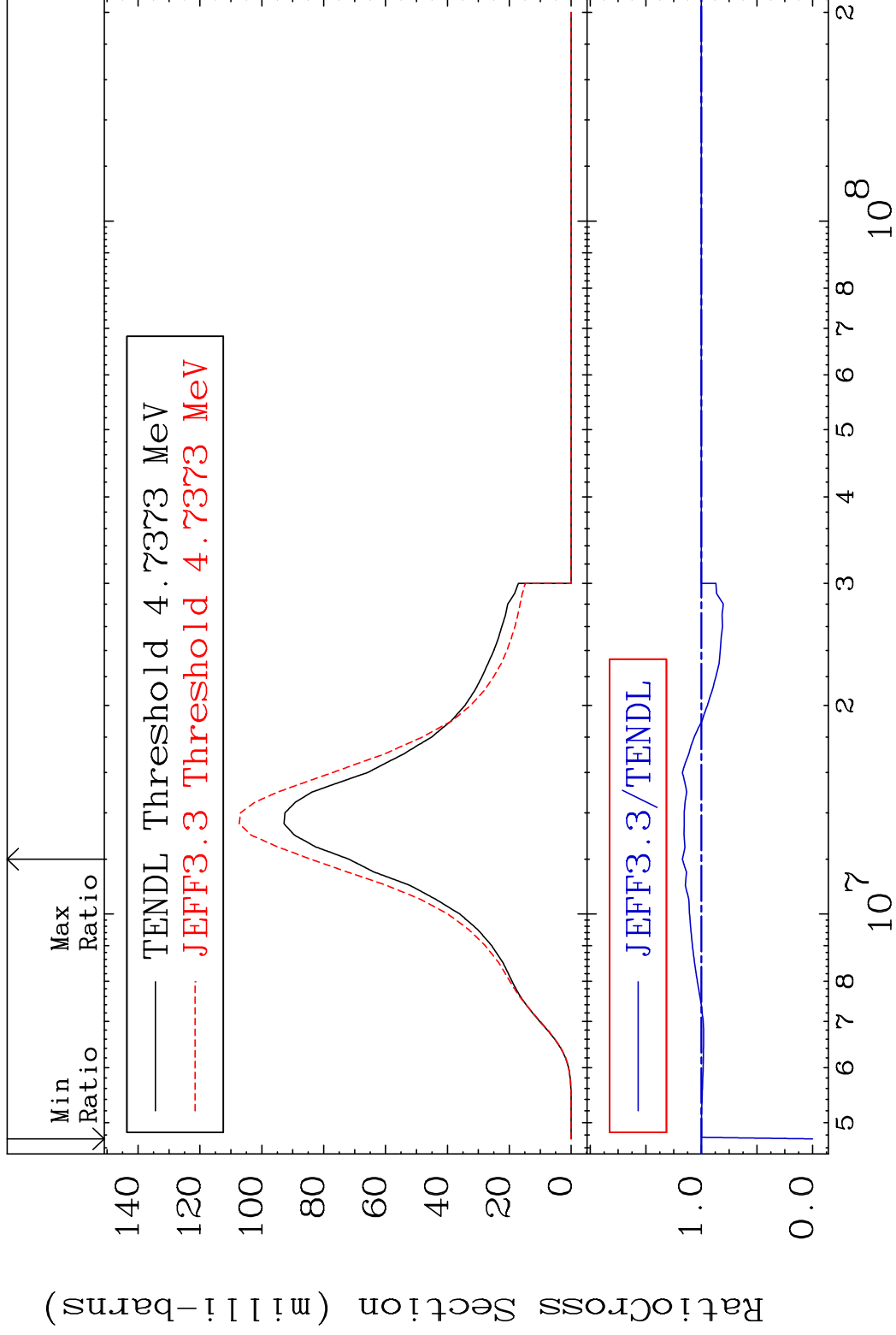
16-S -34

MAT 1631

(n,p)

16-S -34

Cross Section -100.0 To 17.17 %



49

Incident Energy (eV)

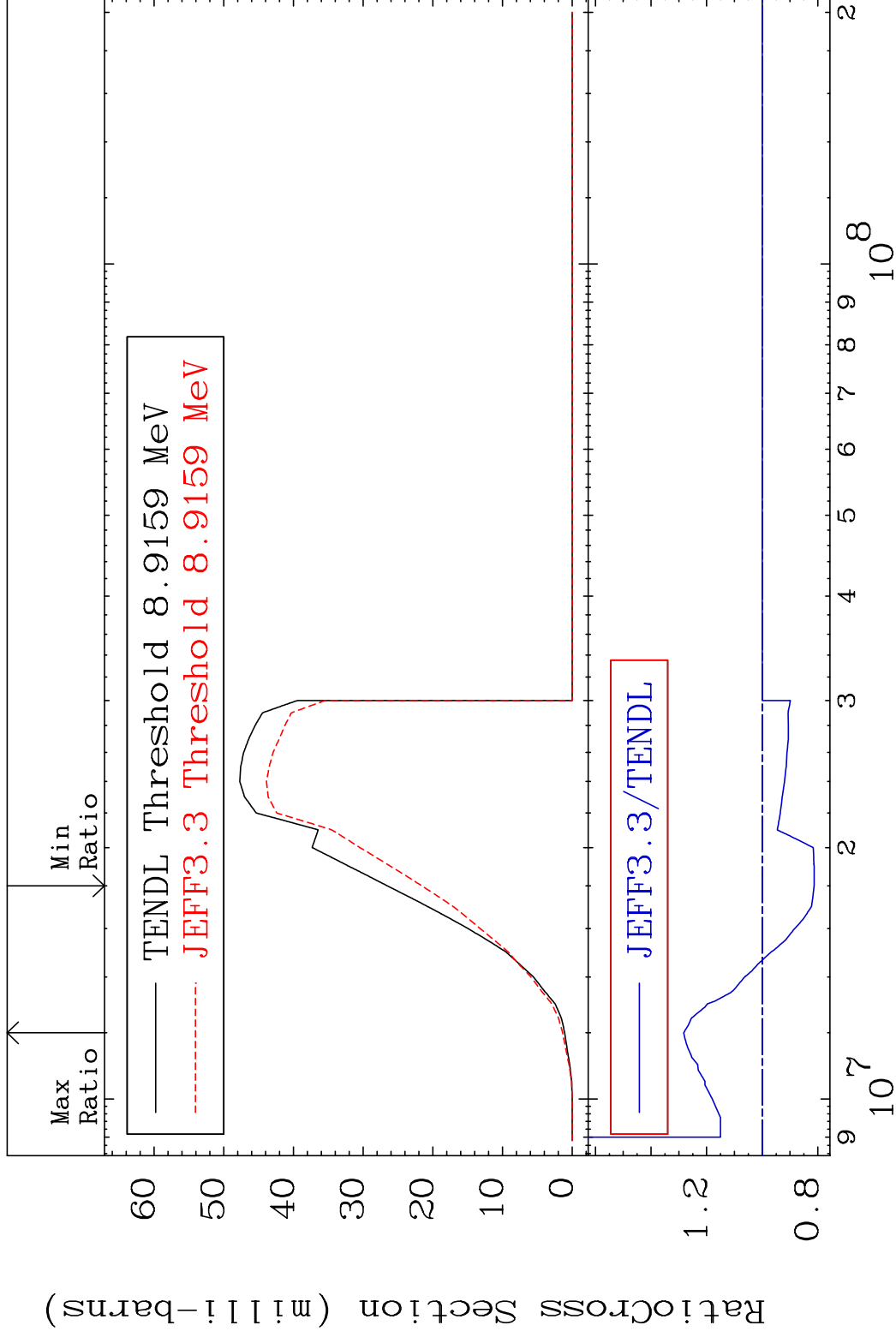
16-S -34

MAT 1631

(n,d)

16-S -34

Cross Section -18.67 To 28.26 %



50

Incident Energy (eV)

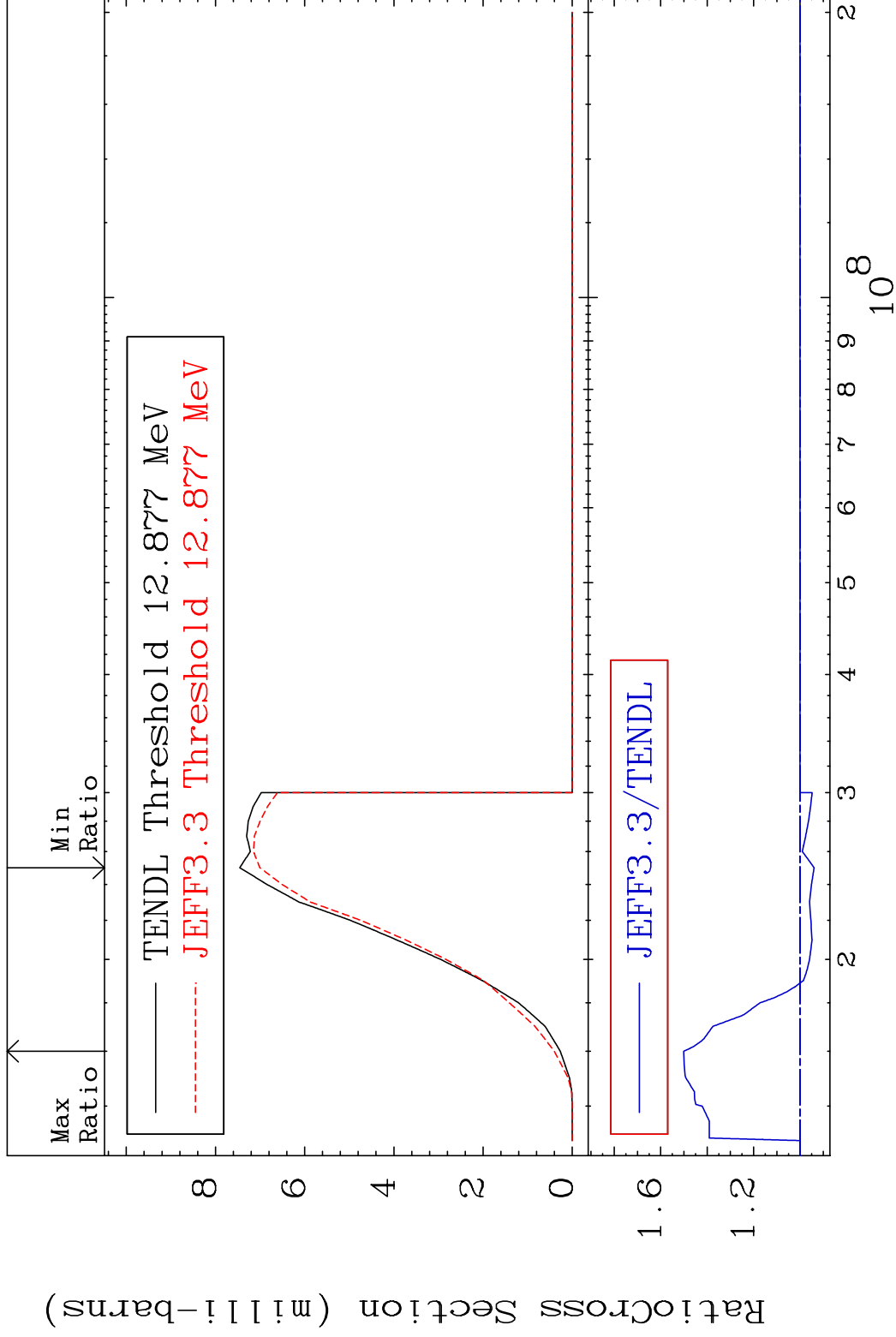
16-S -34

MAT 1631

(n, t)

16-S -34

Cross Section -6.042 To 50.12 %



51

Incident Energy (eV)

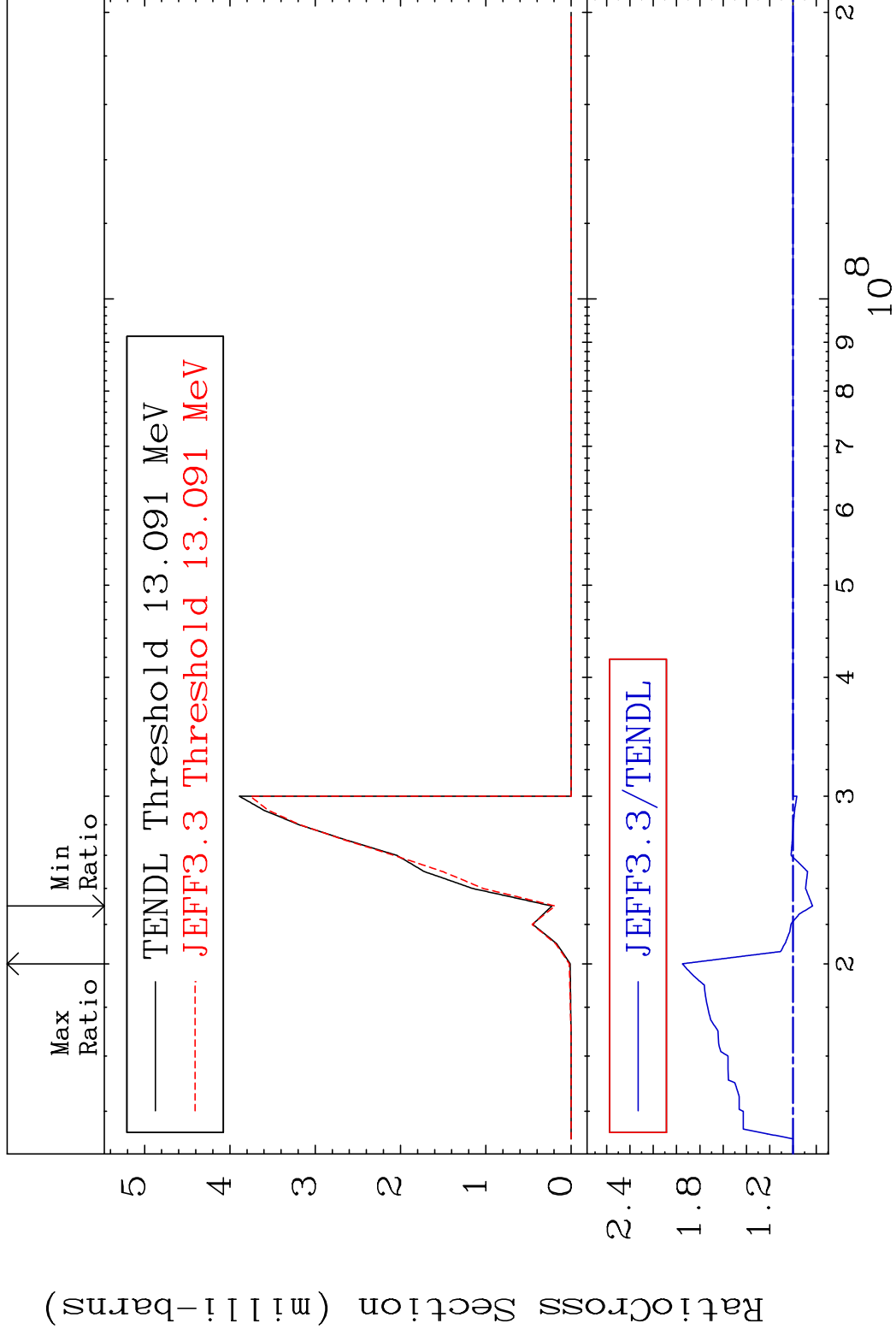
16-S -34

MAT 1631

(n, He-3)

16-S -34

Cross Section -16.80 To 95.01 %

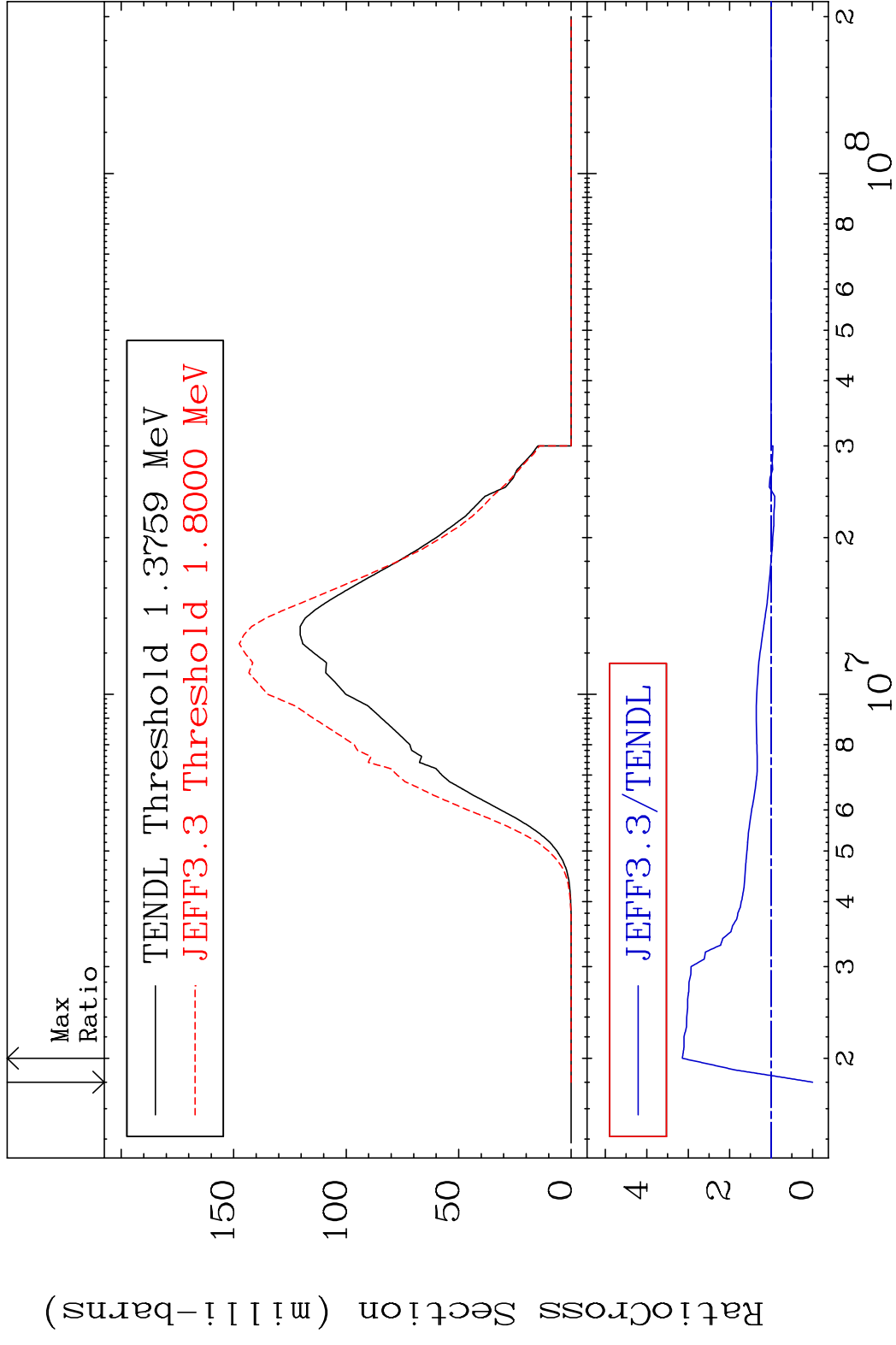


52

Incident Energy (eV)

16-S -34

MAT 1631 (n, α) 16-S -34
 Cross Section -100.0 To 214.3 %

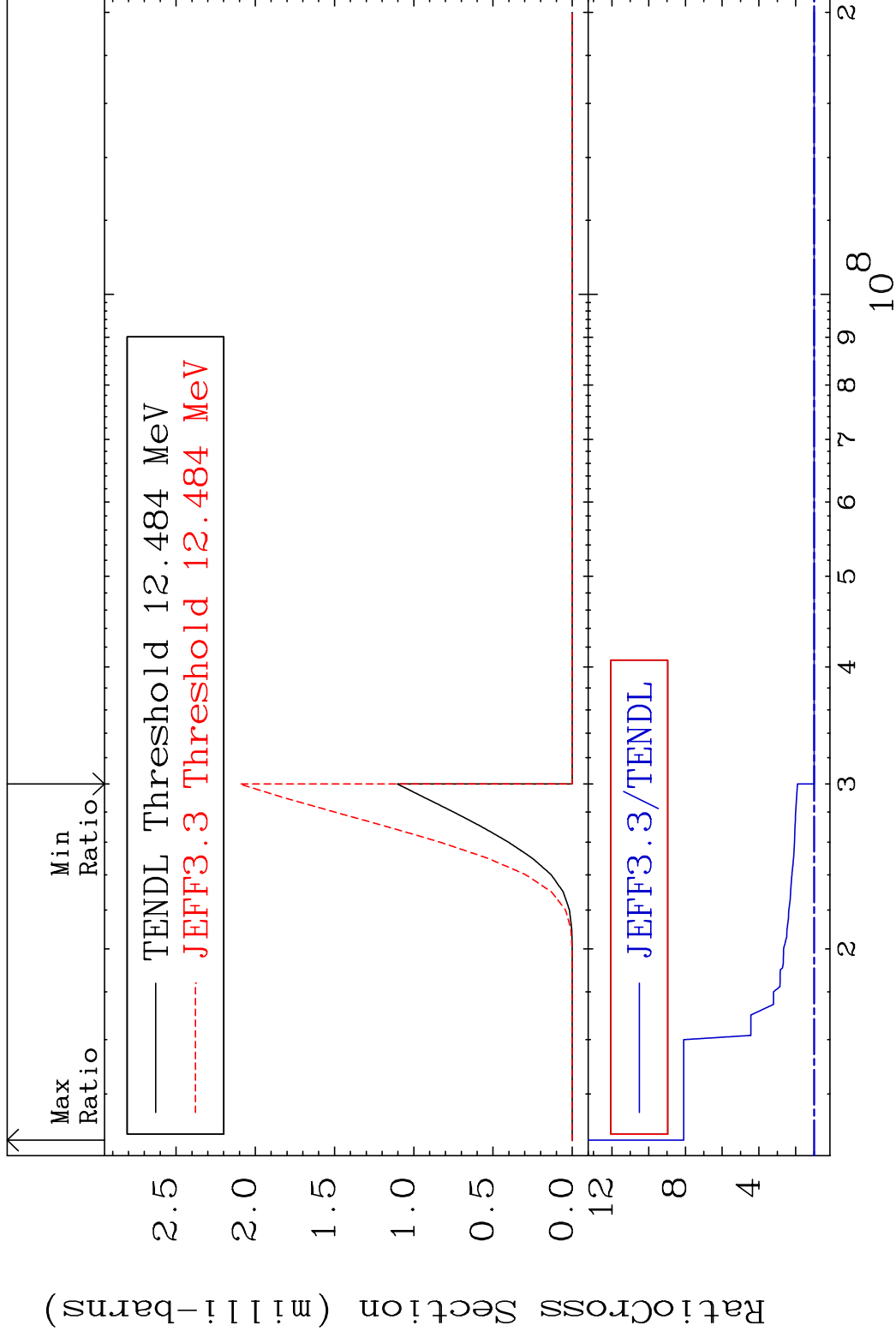


MAT 1631

(n,2α)

16-S -34

Cross Section 0.000 To 709.6 %

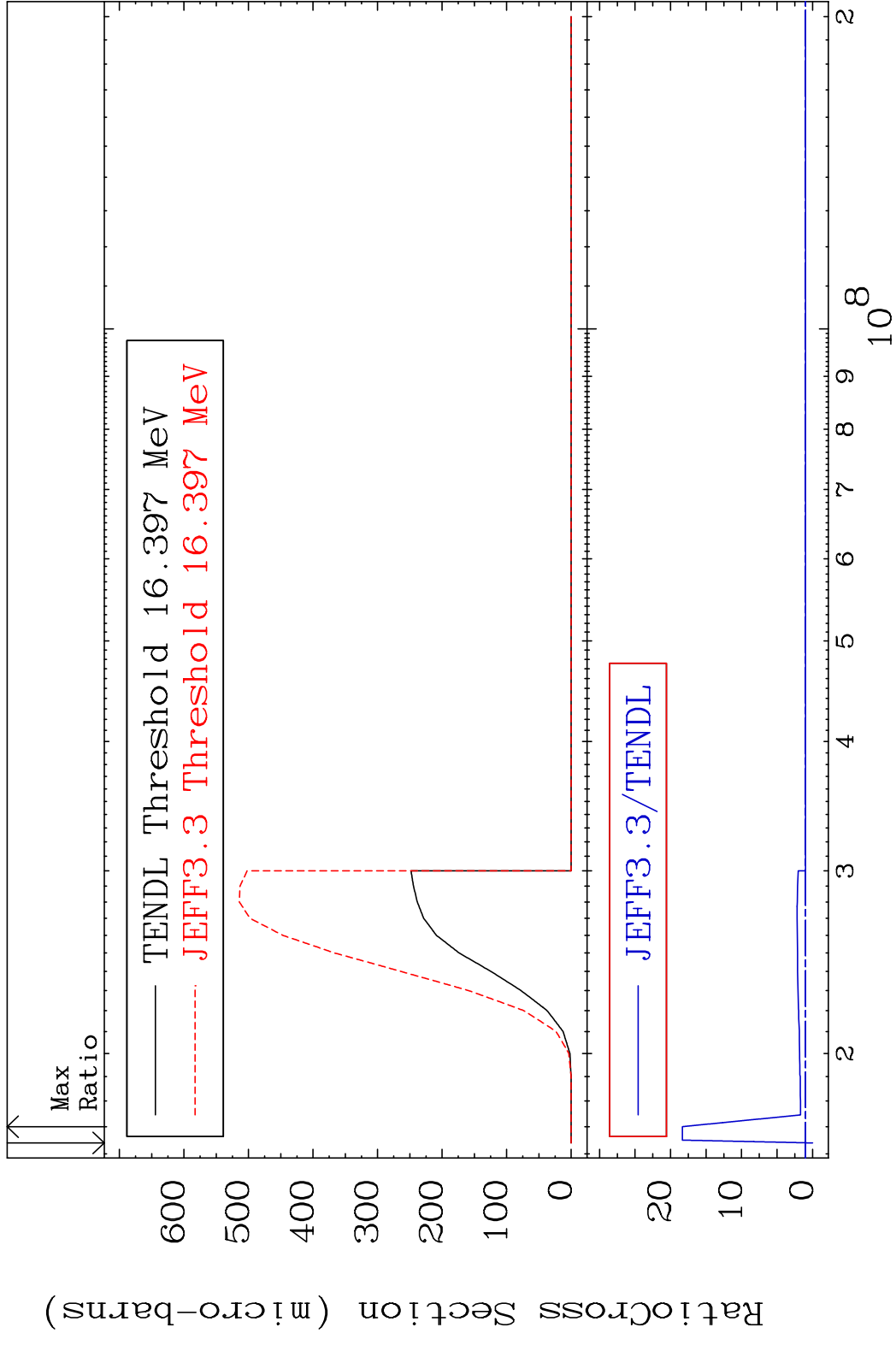


54

Incident Energy (eV)

16-S -34

MAT 1631 (n,2p) 16-S -34
 Cross Section -100.0 To 1734. %

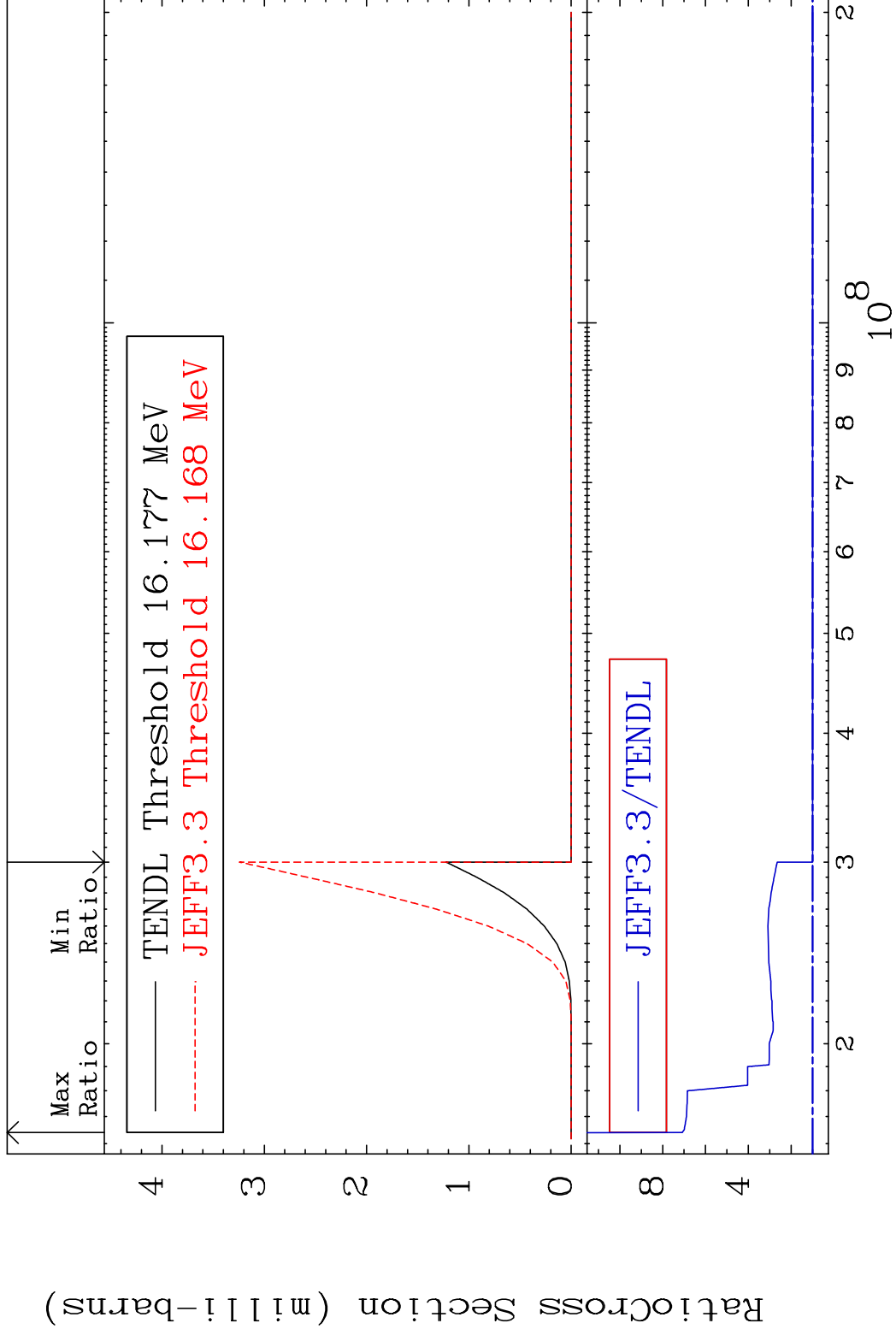


MAT 1631

(n,p) α

16-S -34

Cross Section 0.000 To 608.1 %



56

Incident Energy (eV)

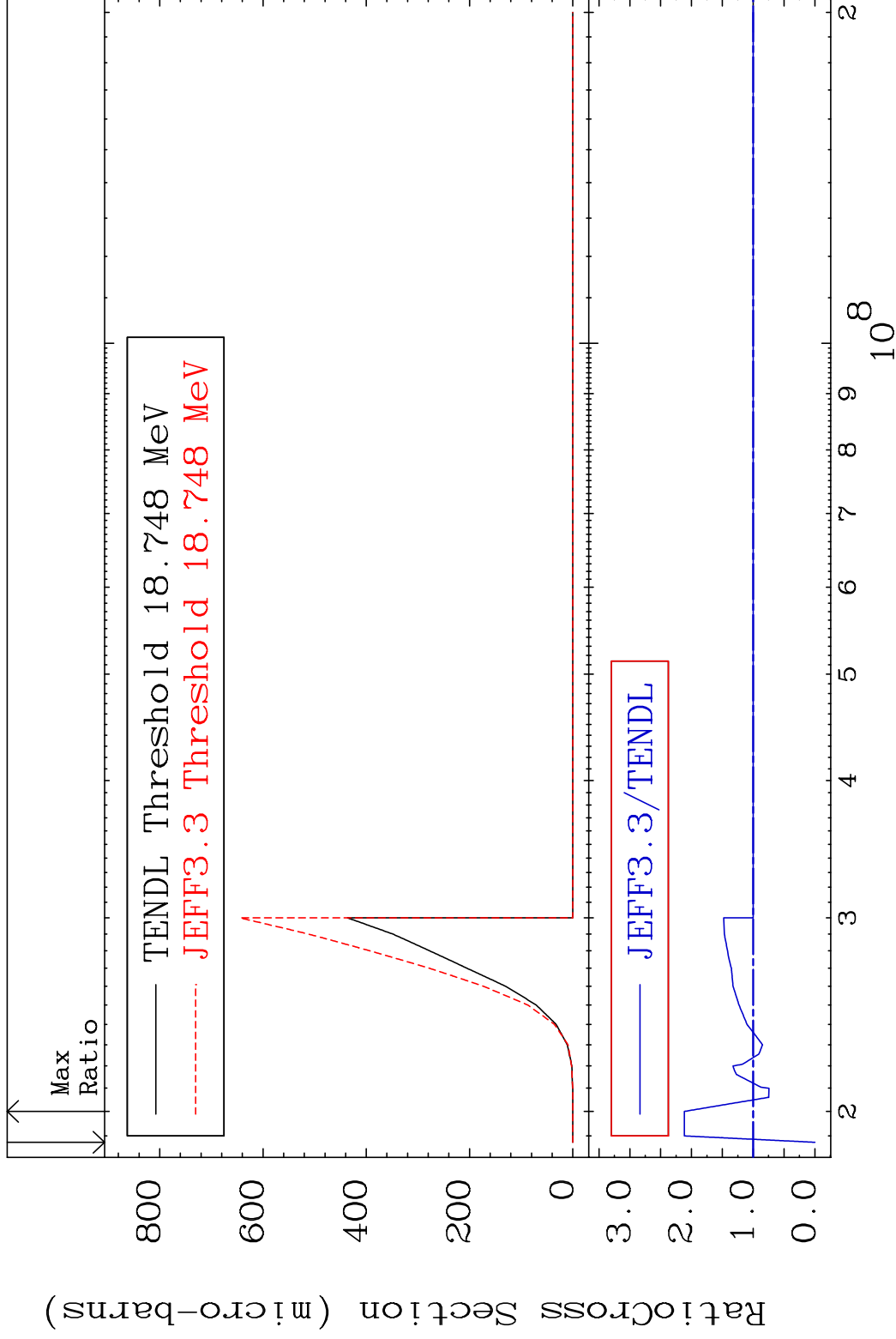
16-S -34

MAT 1631

(n,p) d

16-S -34

Cross Section -100.0 To 111.7 %

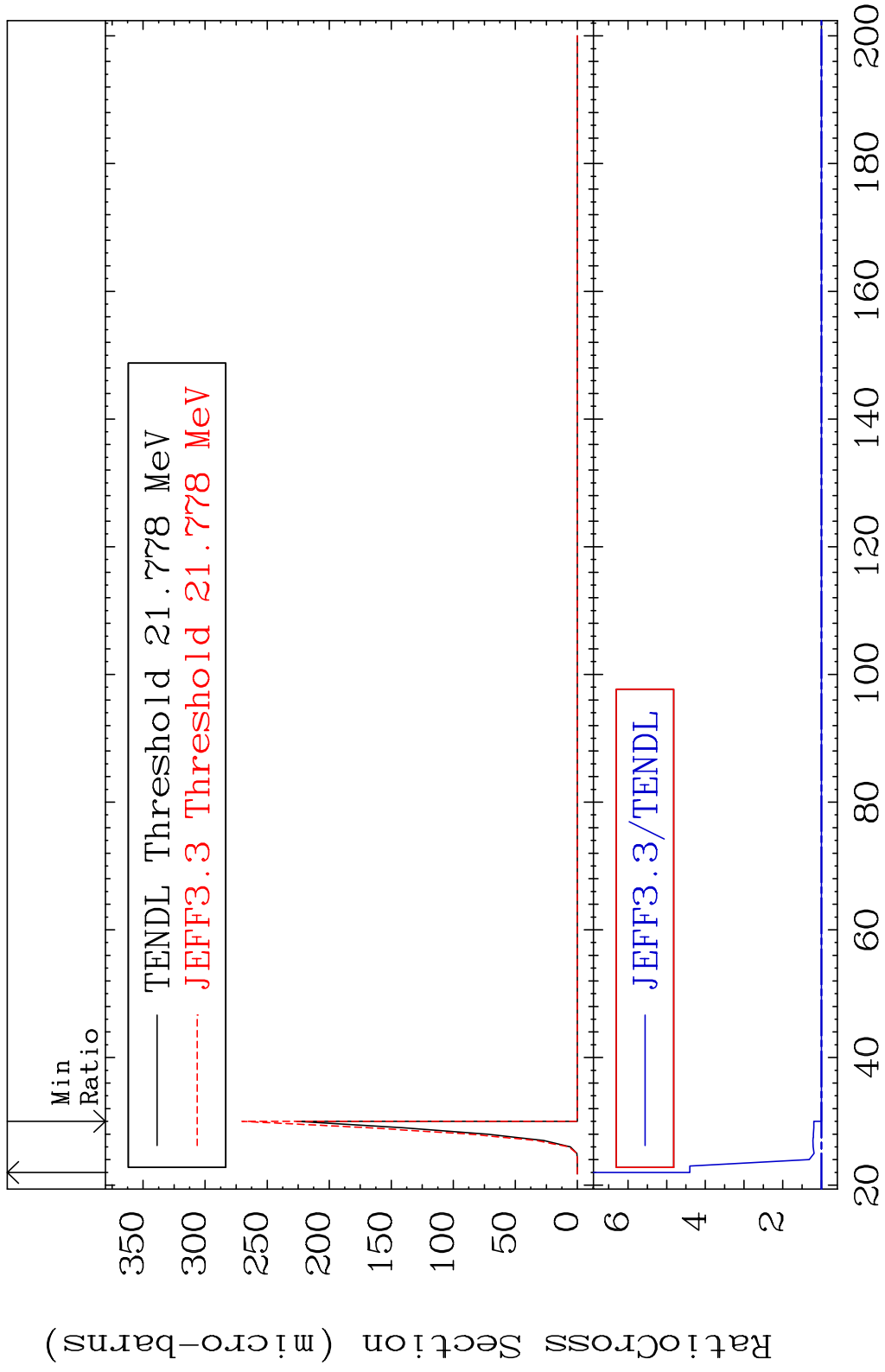


57

Incident Energy (eV)

16-S -34

MAT 1631 (n,p) t 16-S -34
 Cross Section 0.000 To 340.2 %

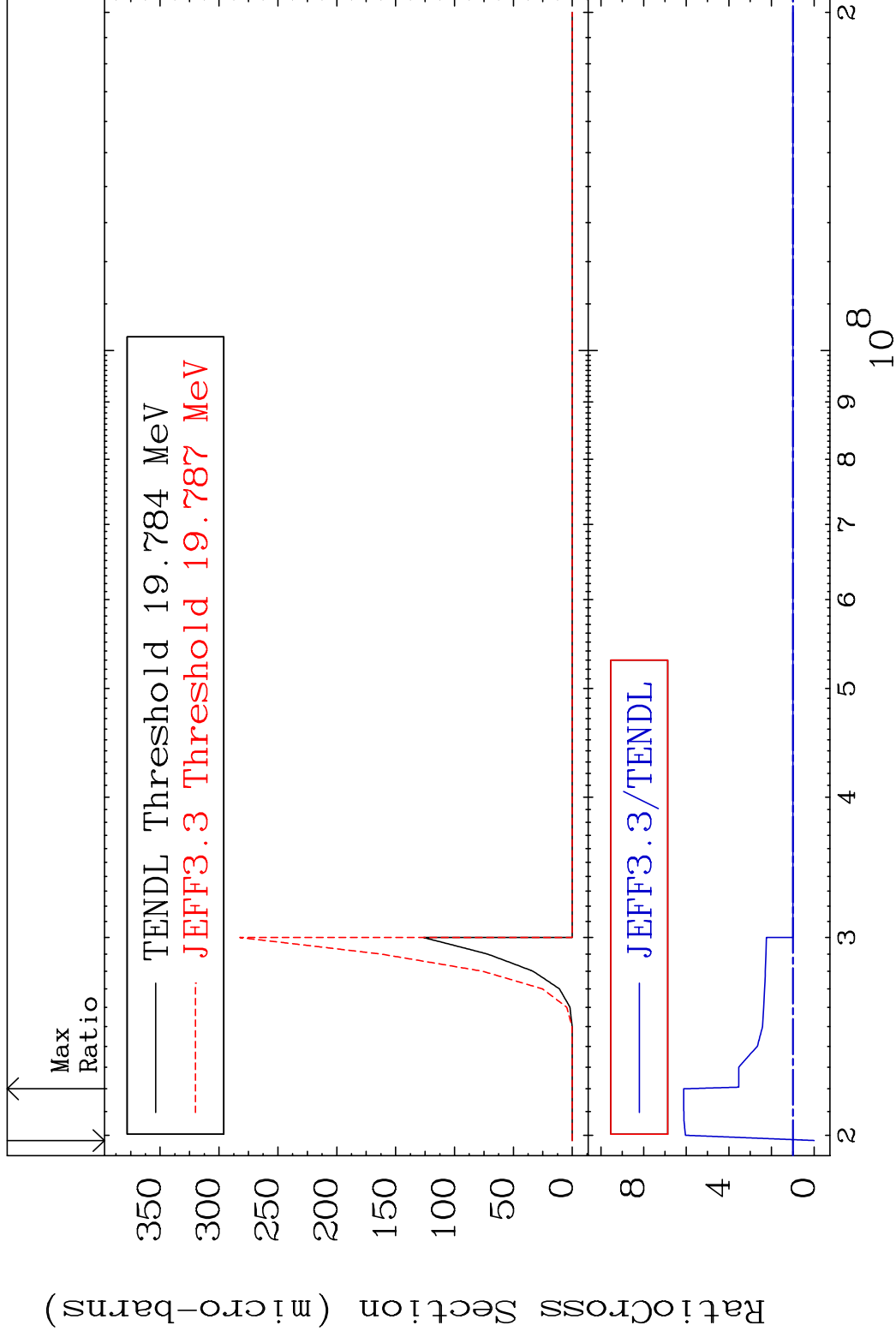


MAT 1631

(n,d) α

16-S -34

Cross Section -100.0 To 512.2 %

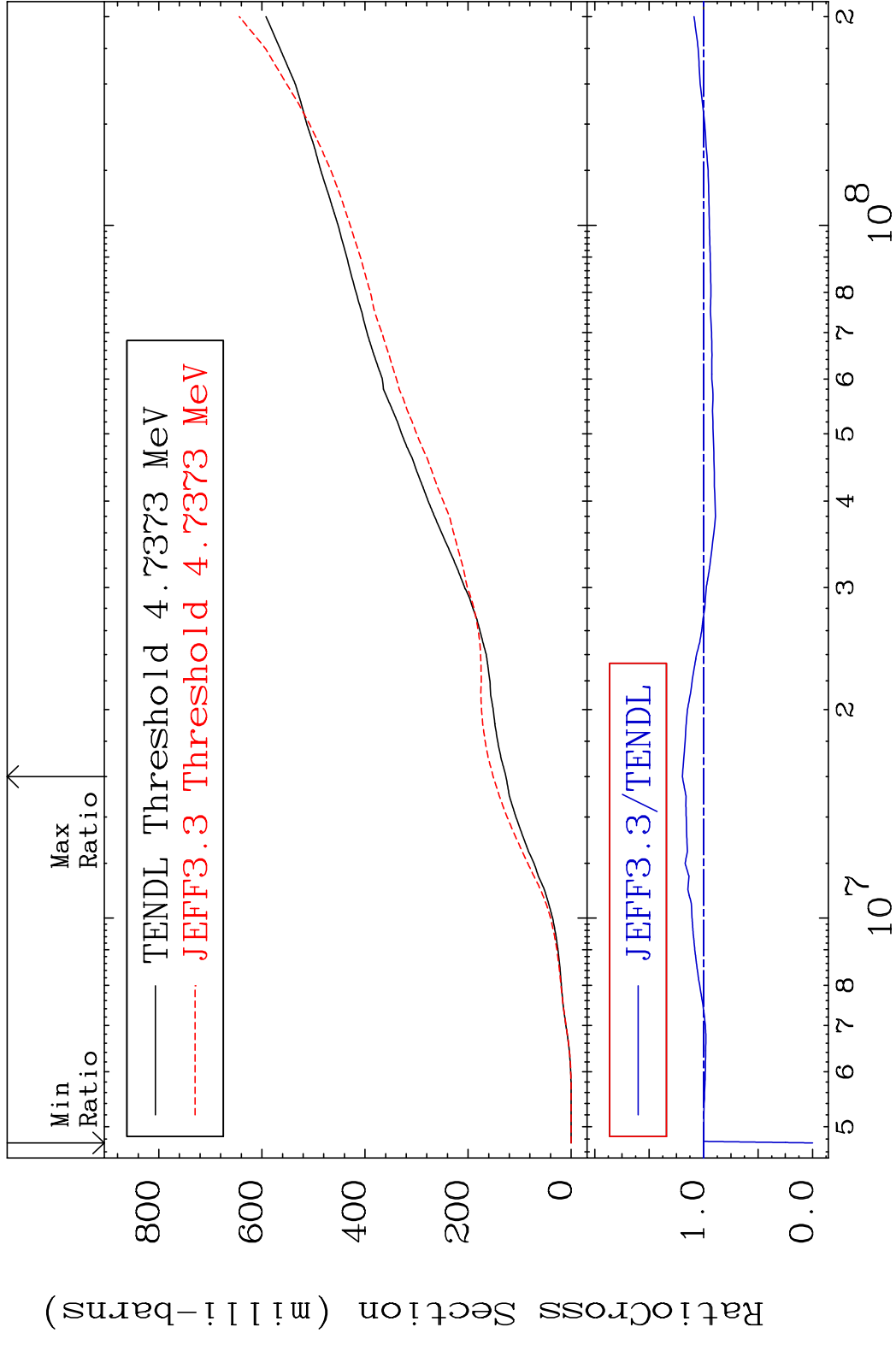


59

Incident Energy (eV)

16-S -34

MAT 1631 Hydrogen Production 16-S -34
 Cross Section -100.0 To 19.54 %



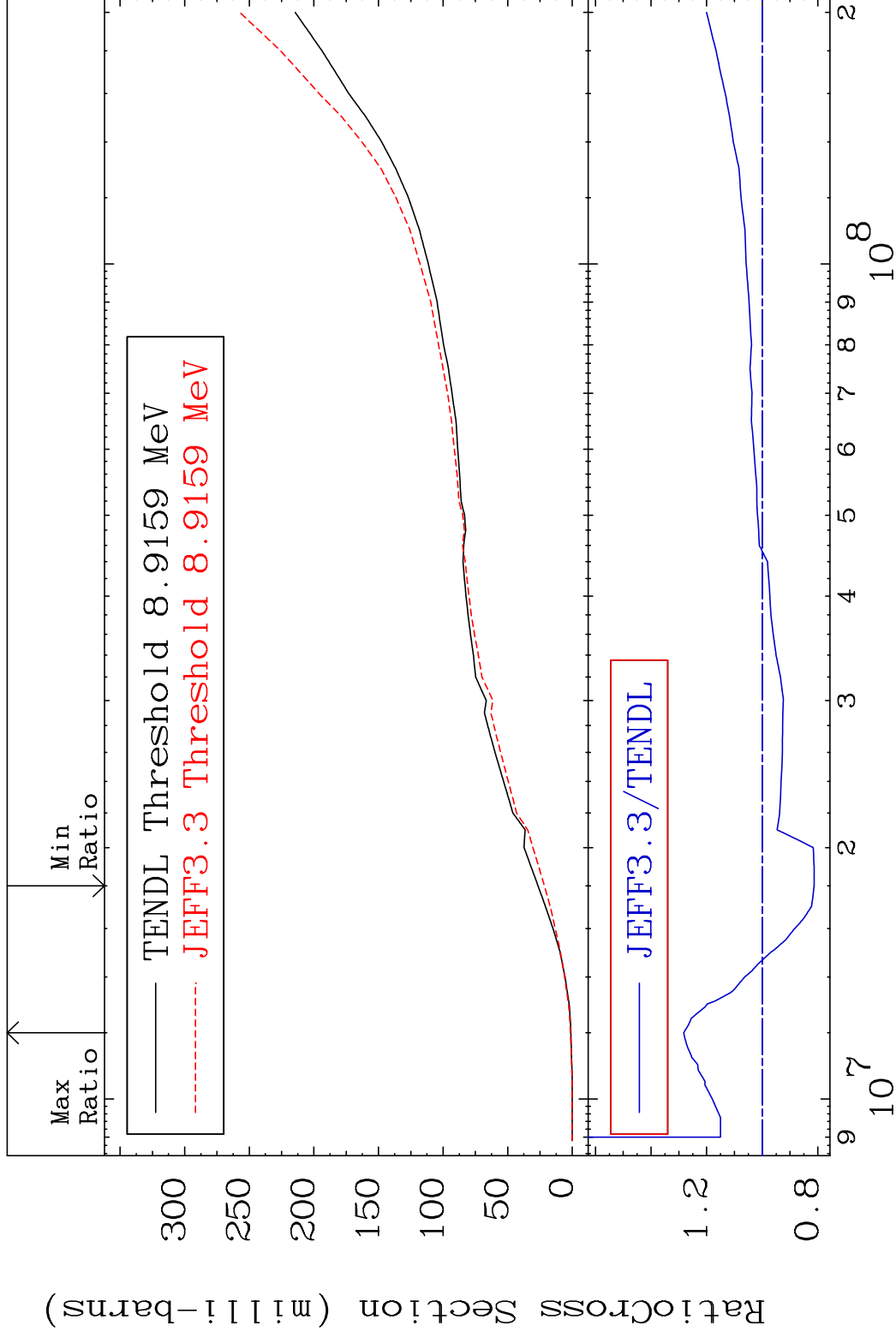
60 Incident Energy (eV) 16-S -34

MAT 1631

Deuterium Production

16-S -34

Cross Section -18.67 To 28.26 %

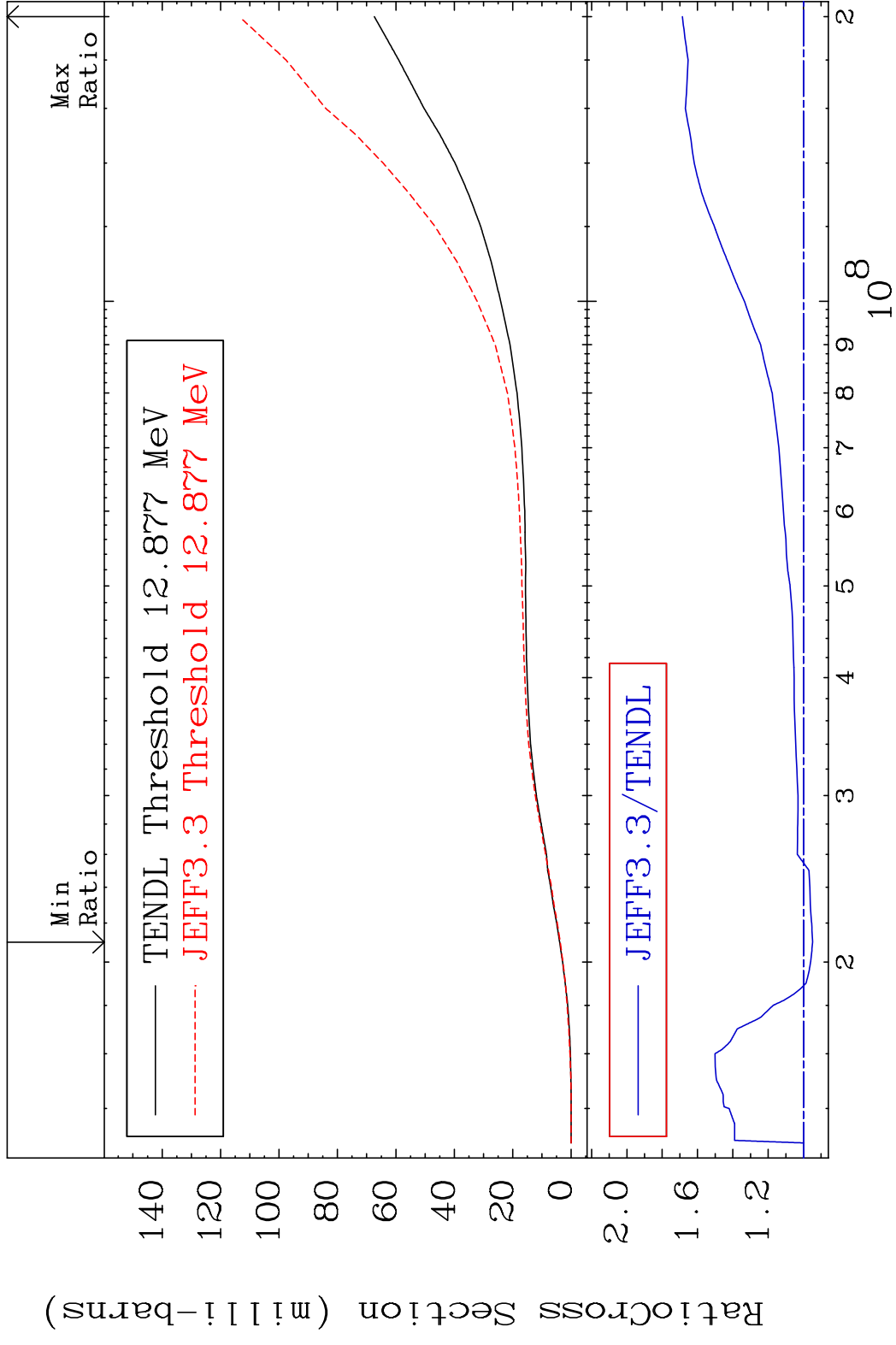


61

Incident Energy (eV)

16-S -34

MAT 1631 Tritium Production 16-S -34
 Cross Section -5.139 To 68.59 %

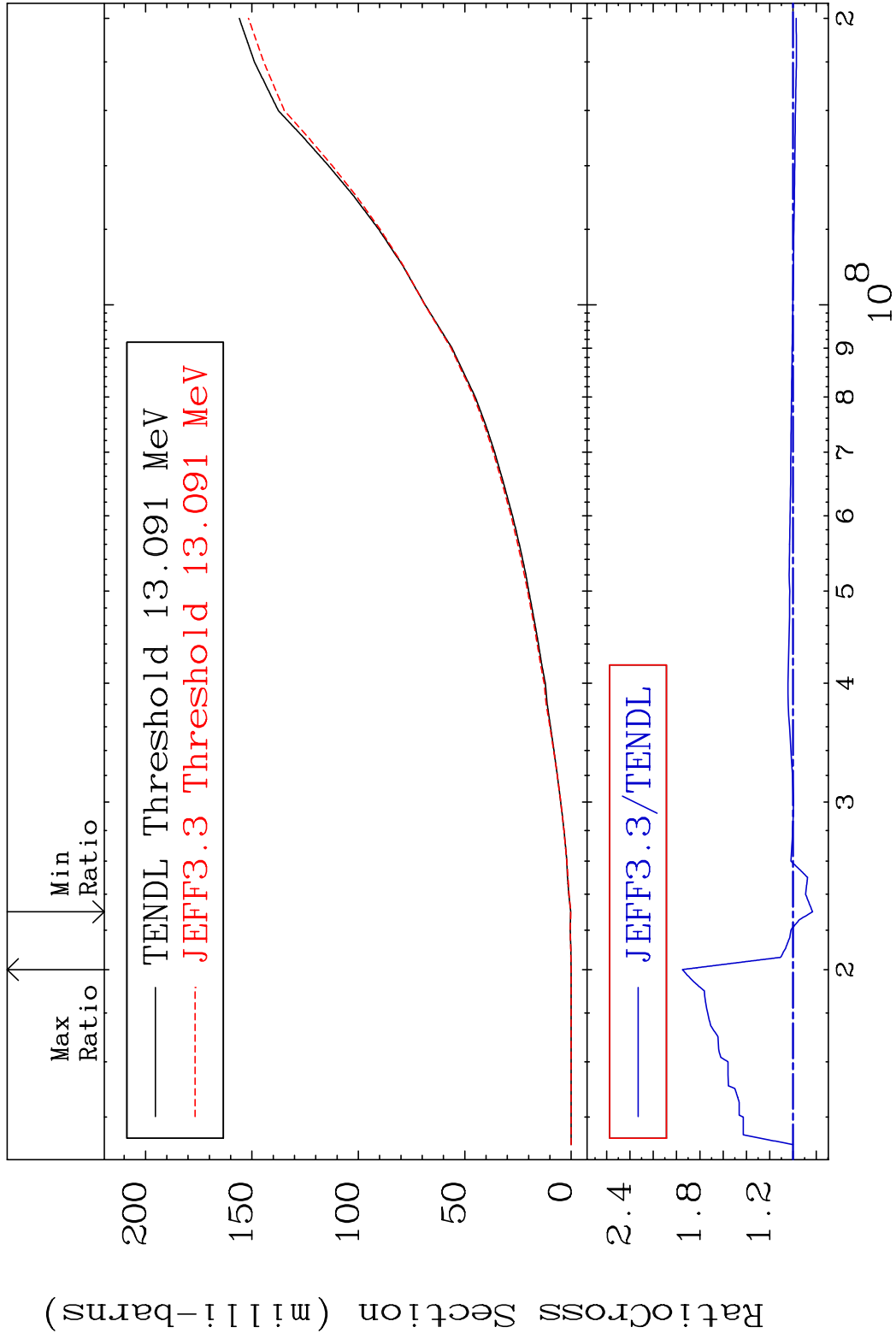


MAT 1631

He-3 Production

16-S -34

Cross Section -16.80 To 95.01 %

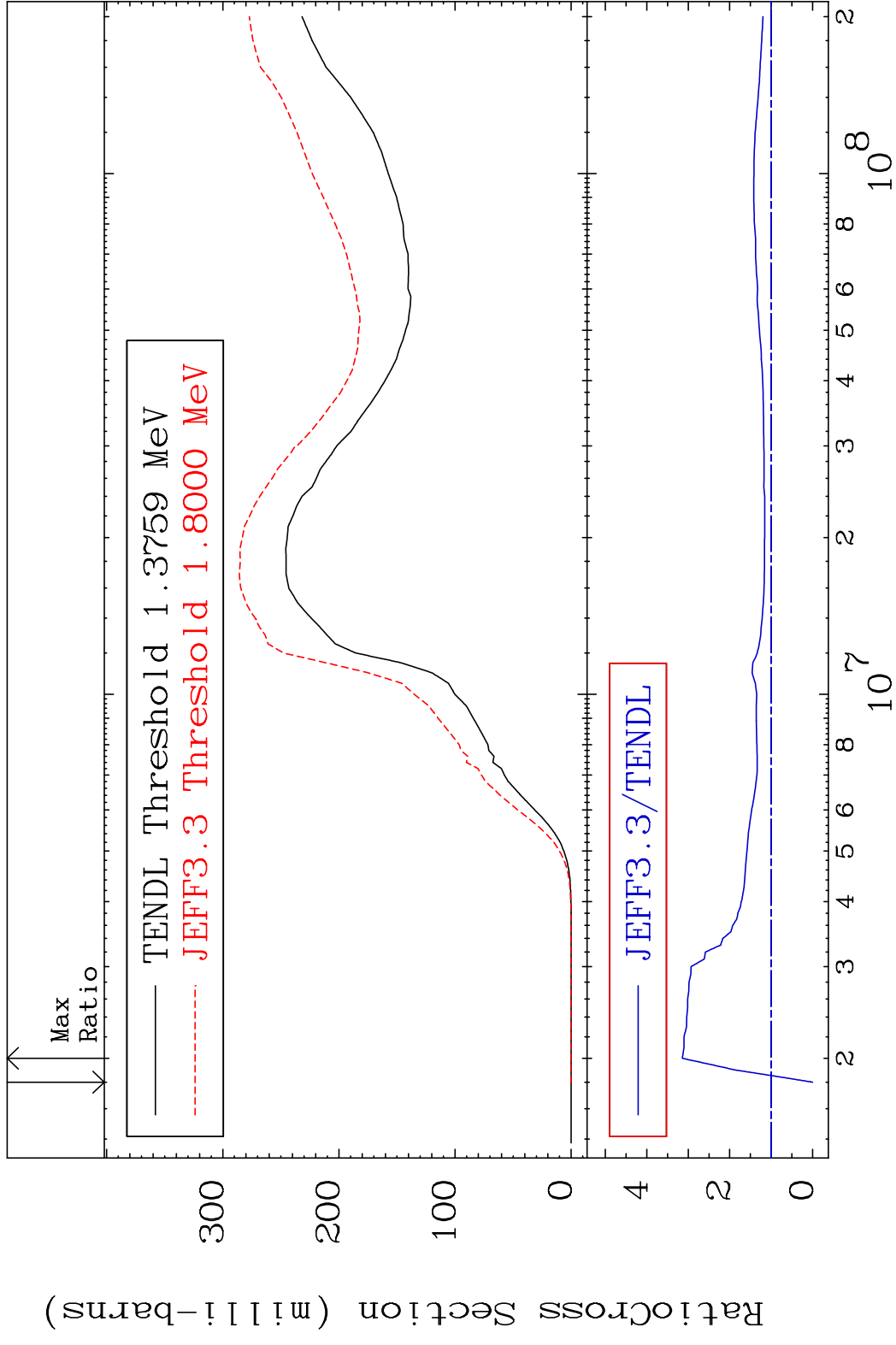


63

Incident Energy (eV)

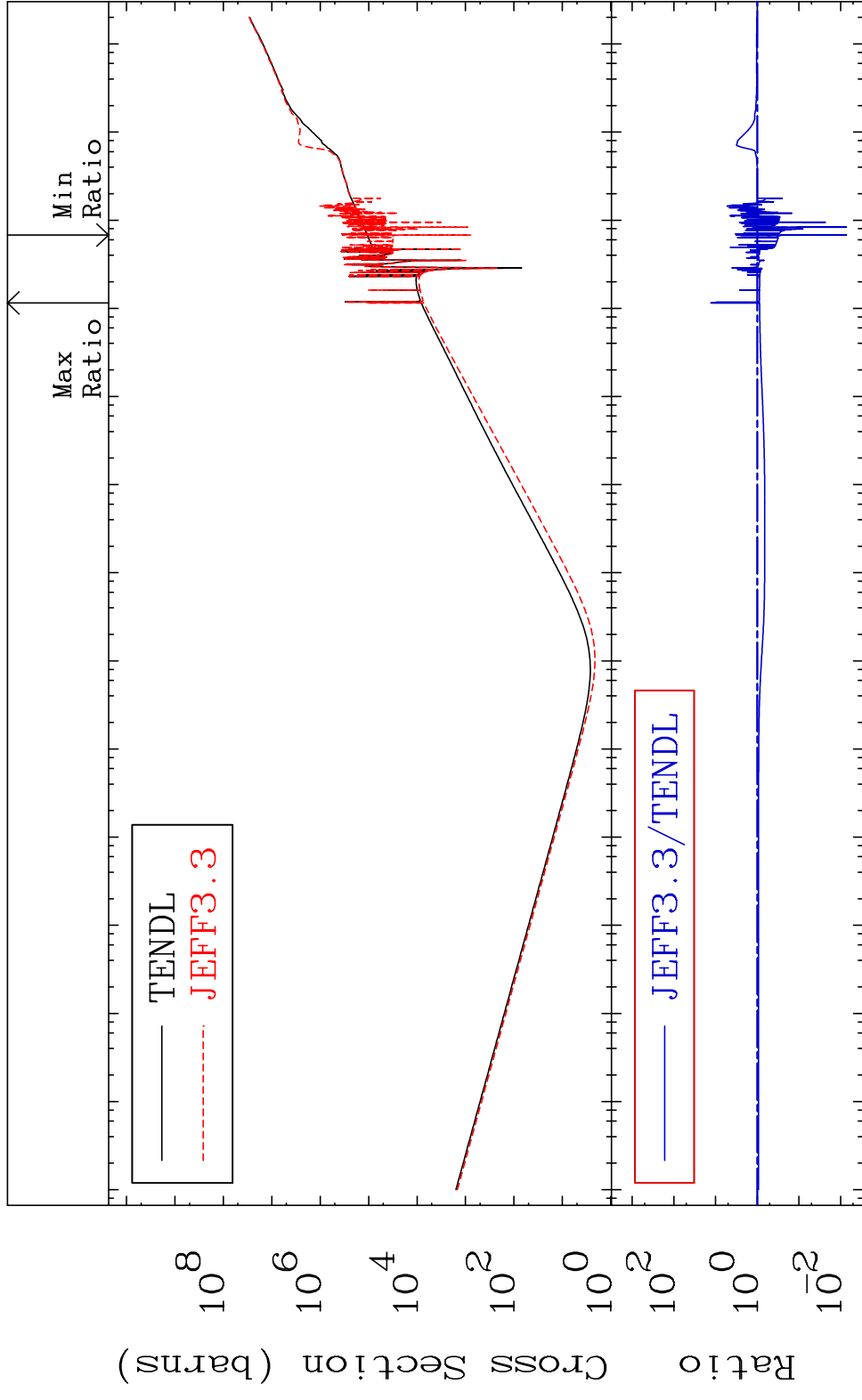
16-S -34

MAT 1631 He-4 Production 16-S -34
 Cross Section -100.0 To 214.3 %



64 16-S -34

MAT 1631 Kerma total (eV-barns) 16-S -34
 Cross Section -99.27 To 1205. %

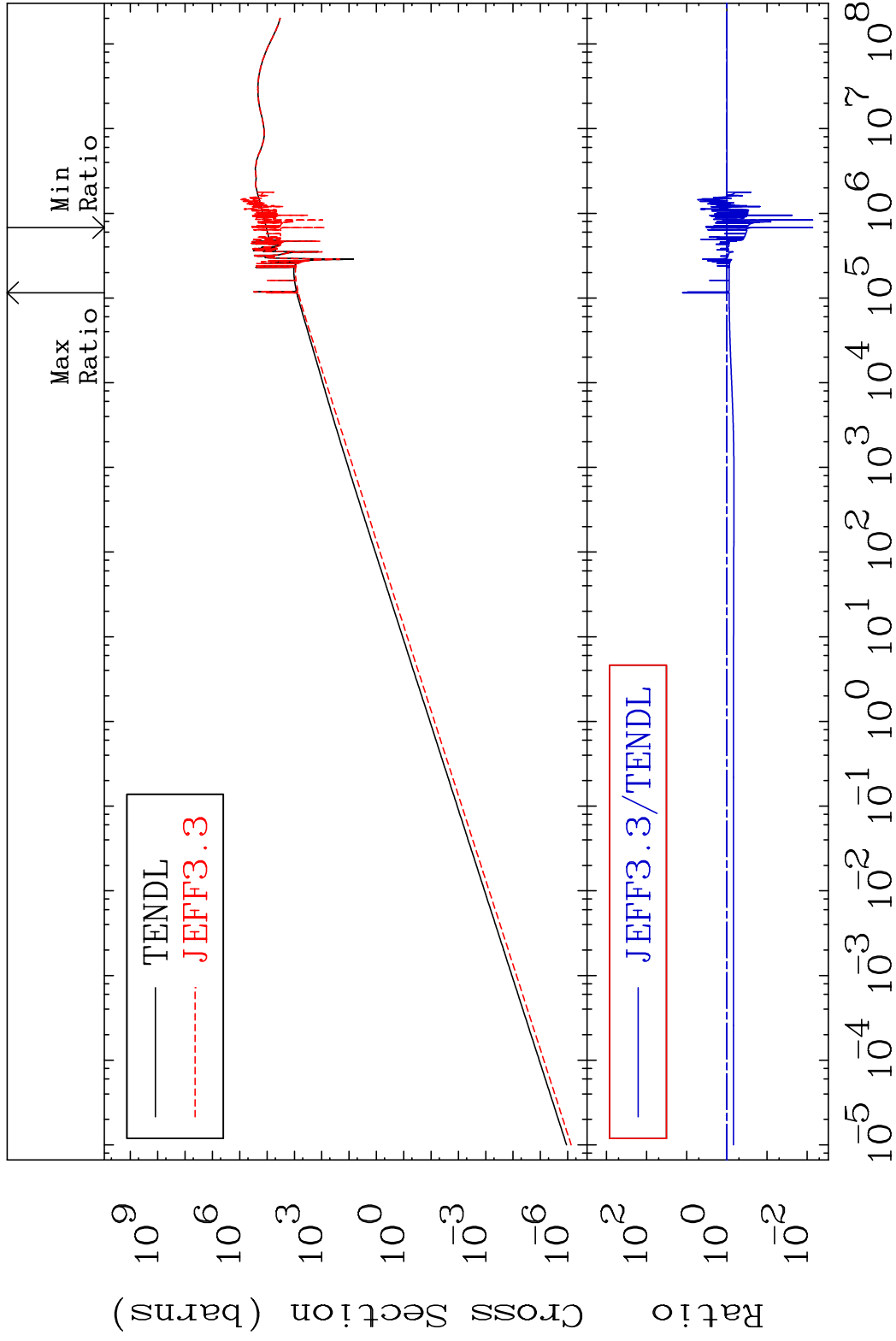


65 Incident Energy (eV) 16-S -34

MAT 1631

Kerma elastic
Cross Section

16-S -34
-99.27 To 1180. %

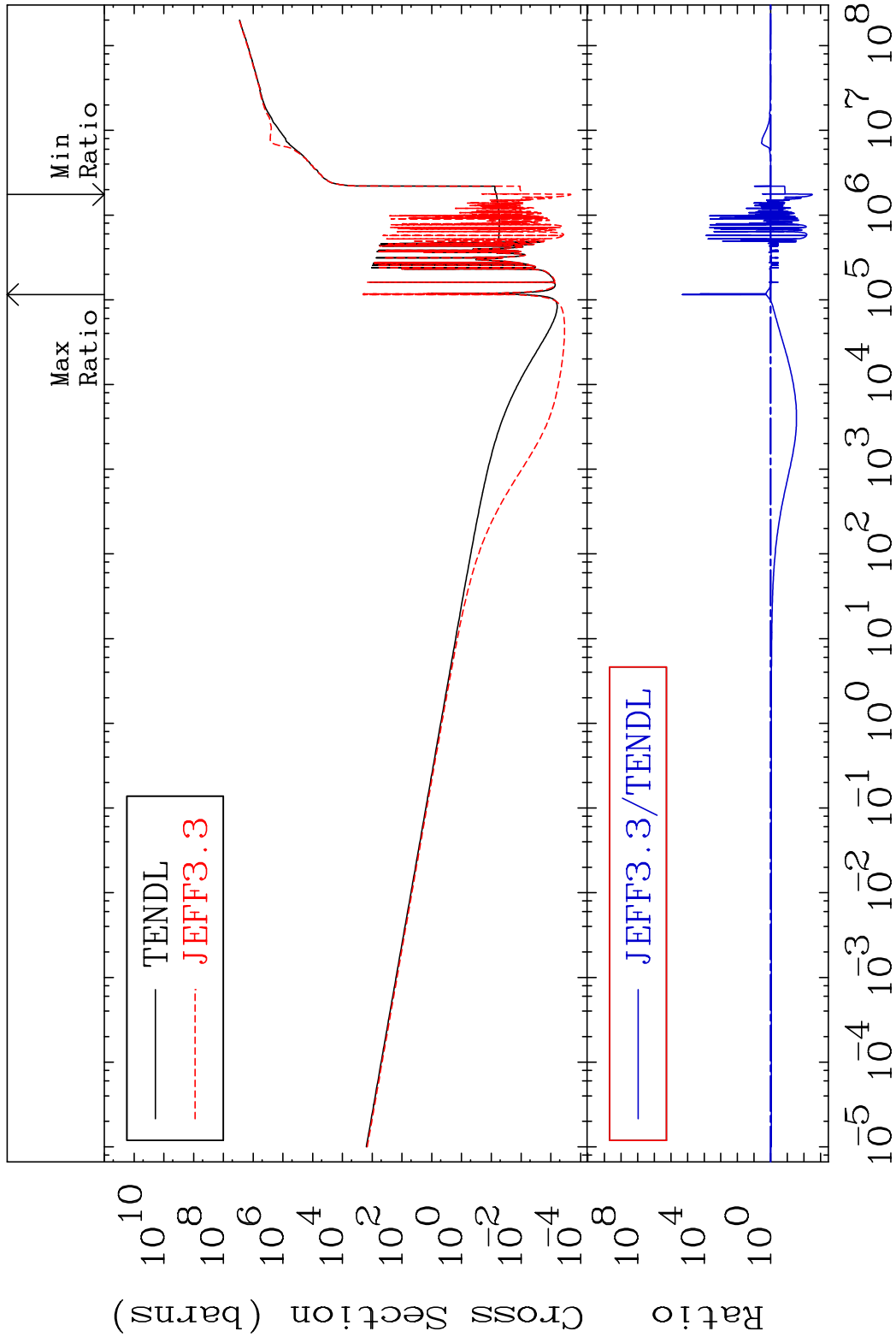


66

Incident Energy (eV)

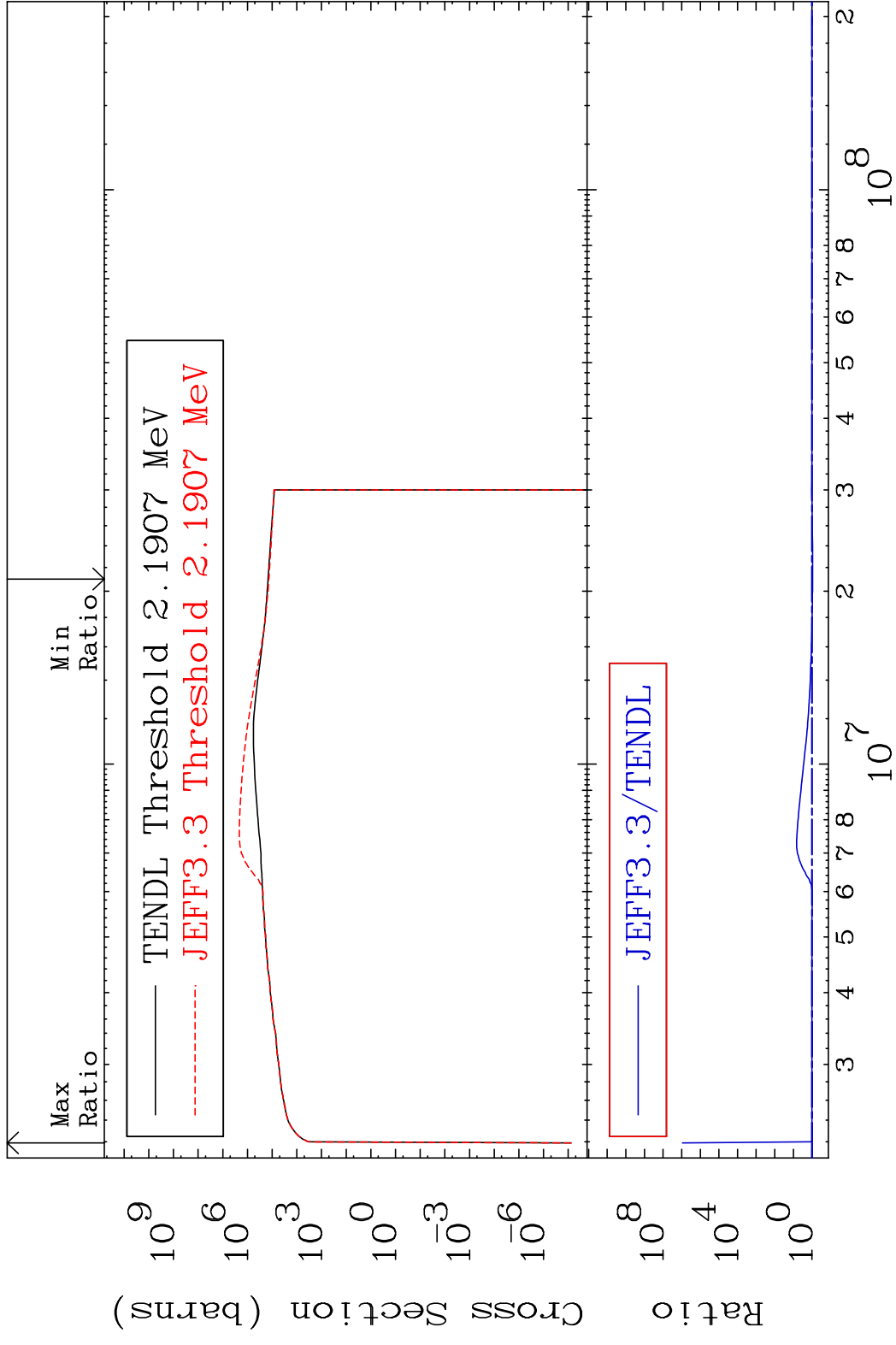
16-S -34

MAT 1631 Kerma non-elastic (all but mt2) 16-S -34
 Cross Section -99.69 To 9999. %

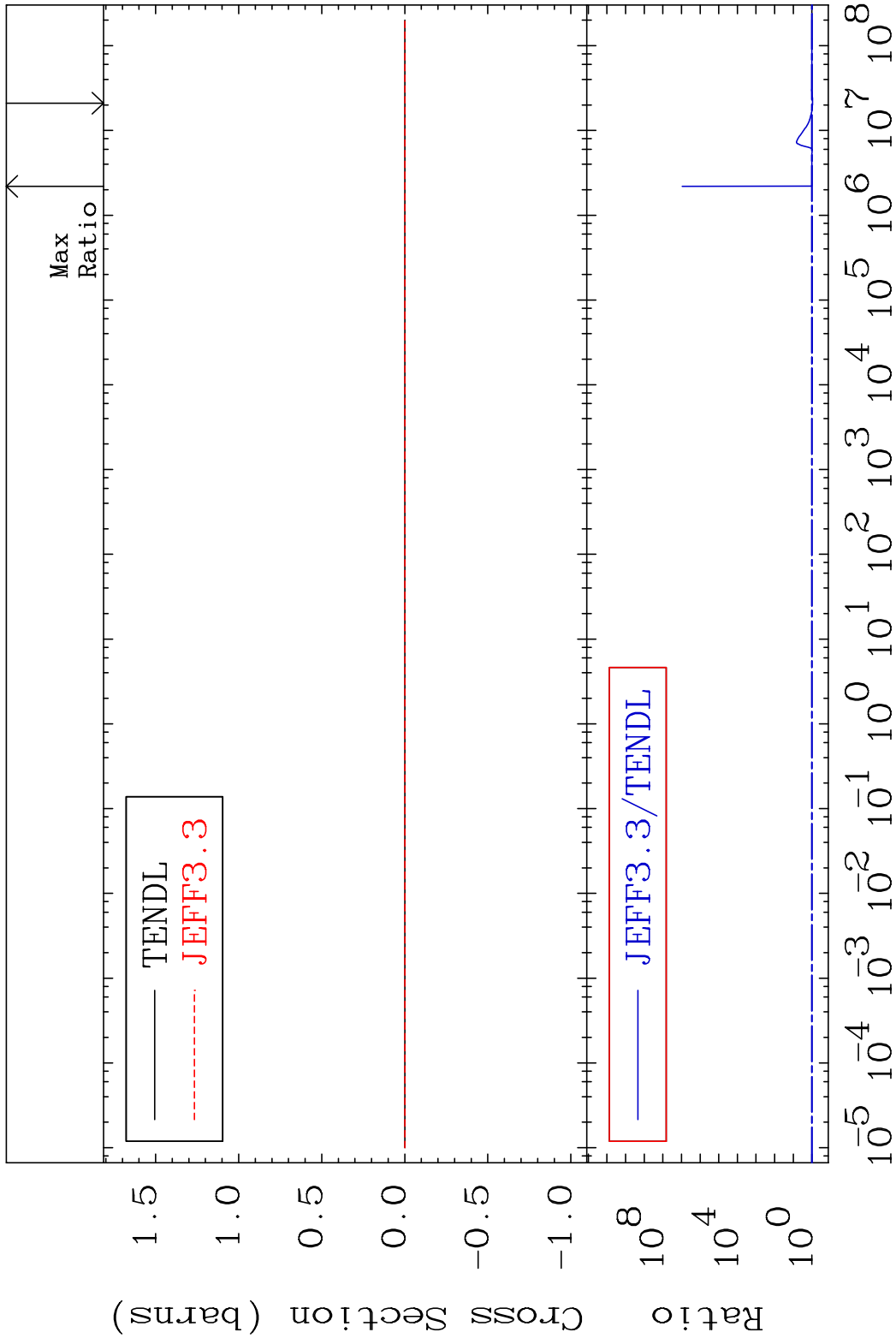


67 Incident Energy (eV) 16-S -34

MAT 1631 Kerma inelastic (mt51-91) 16-S -34
 Cross Section -6.827 To 9999. %



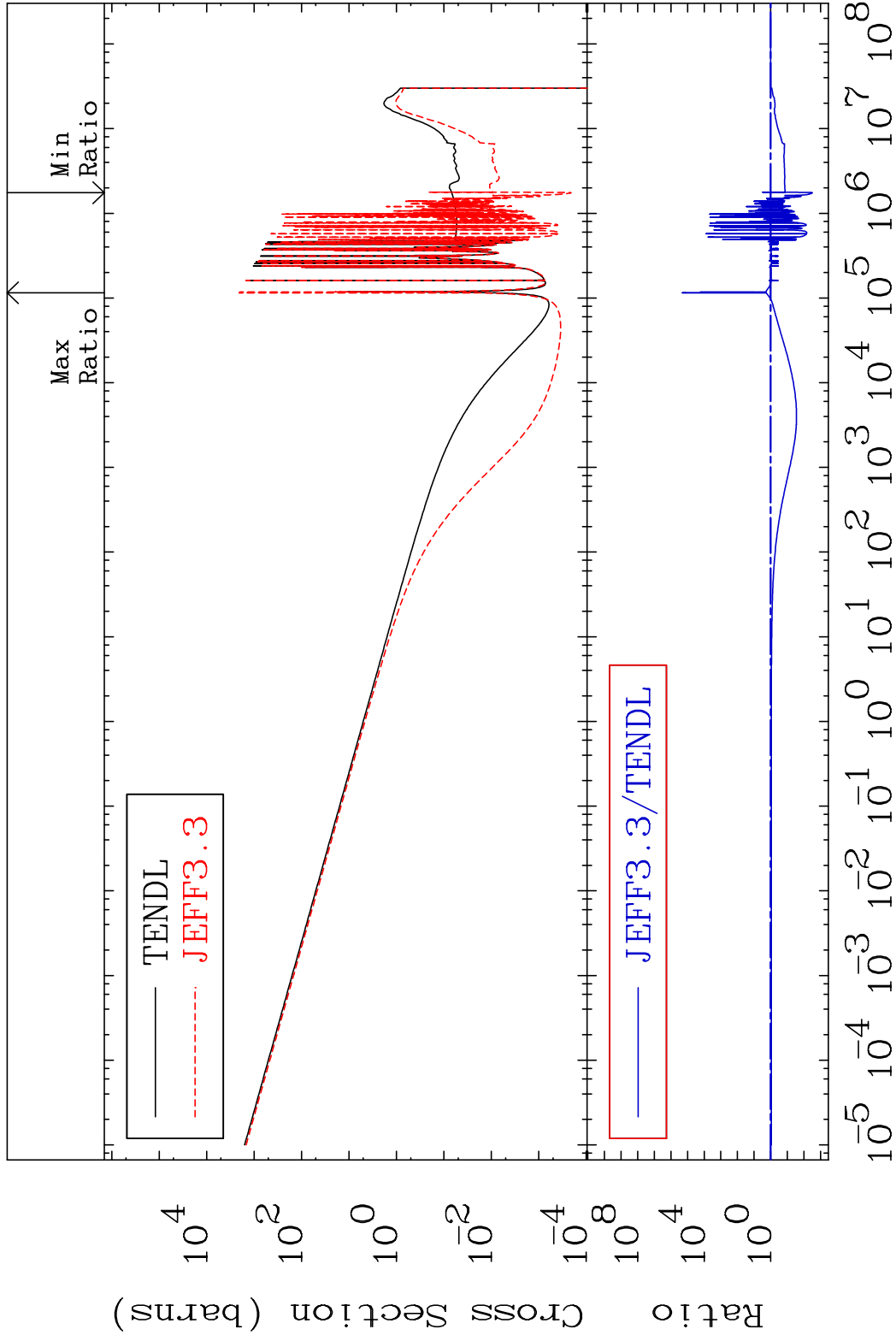
MAT 1631 Kerma fission (mt18 or mt19-20-21-38) 16-S -34
 Cross Section -6.827 To 9999. %



MAT 1631

Kerma capture (mt102) 16-S -34

Cross Section -99.69 To 9999. %

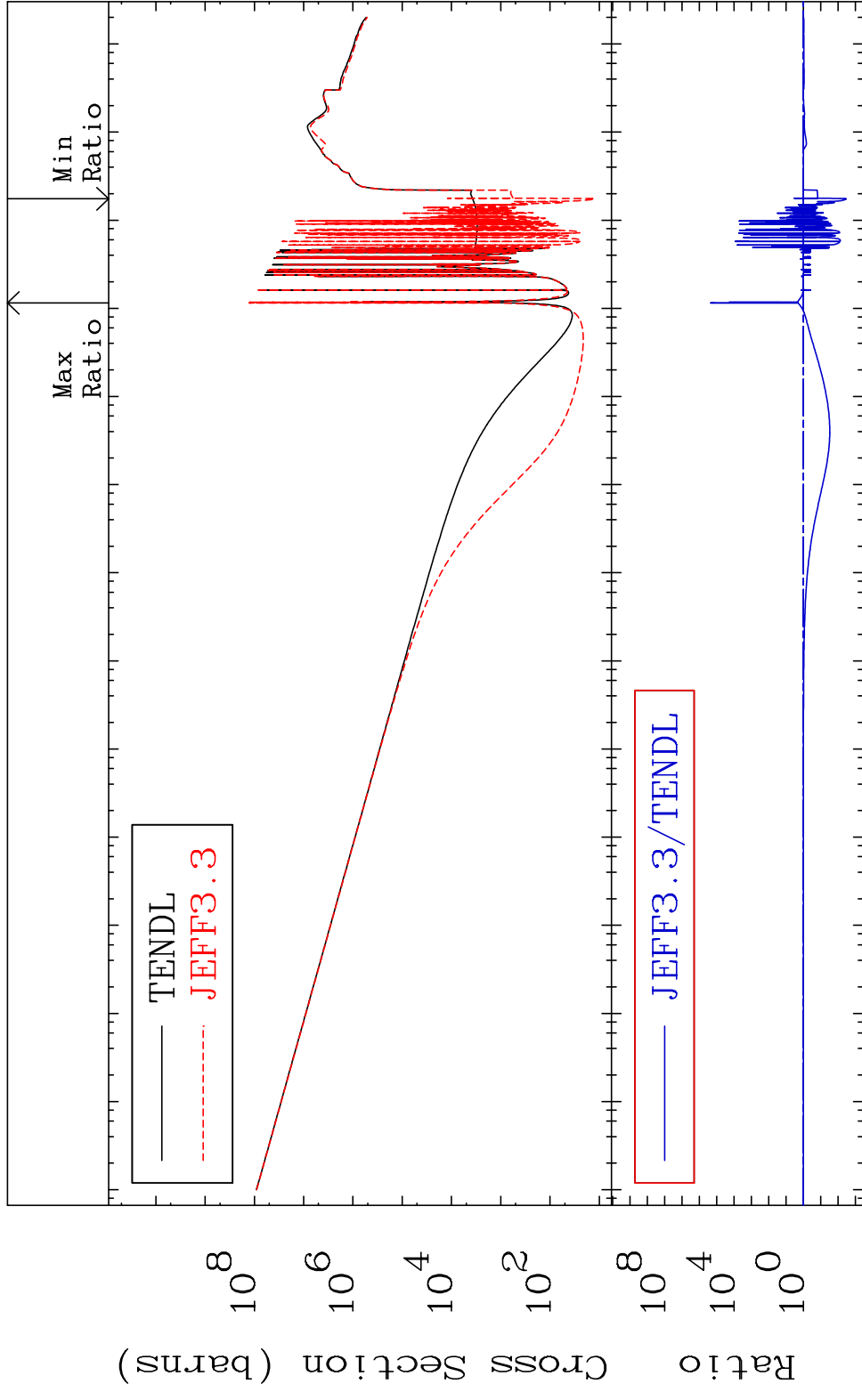


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Incident Energy (eV)

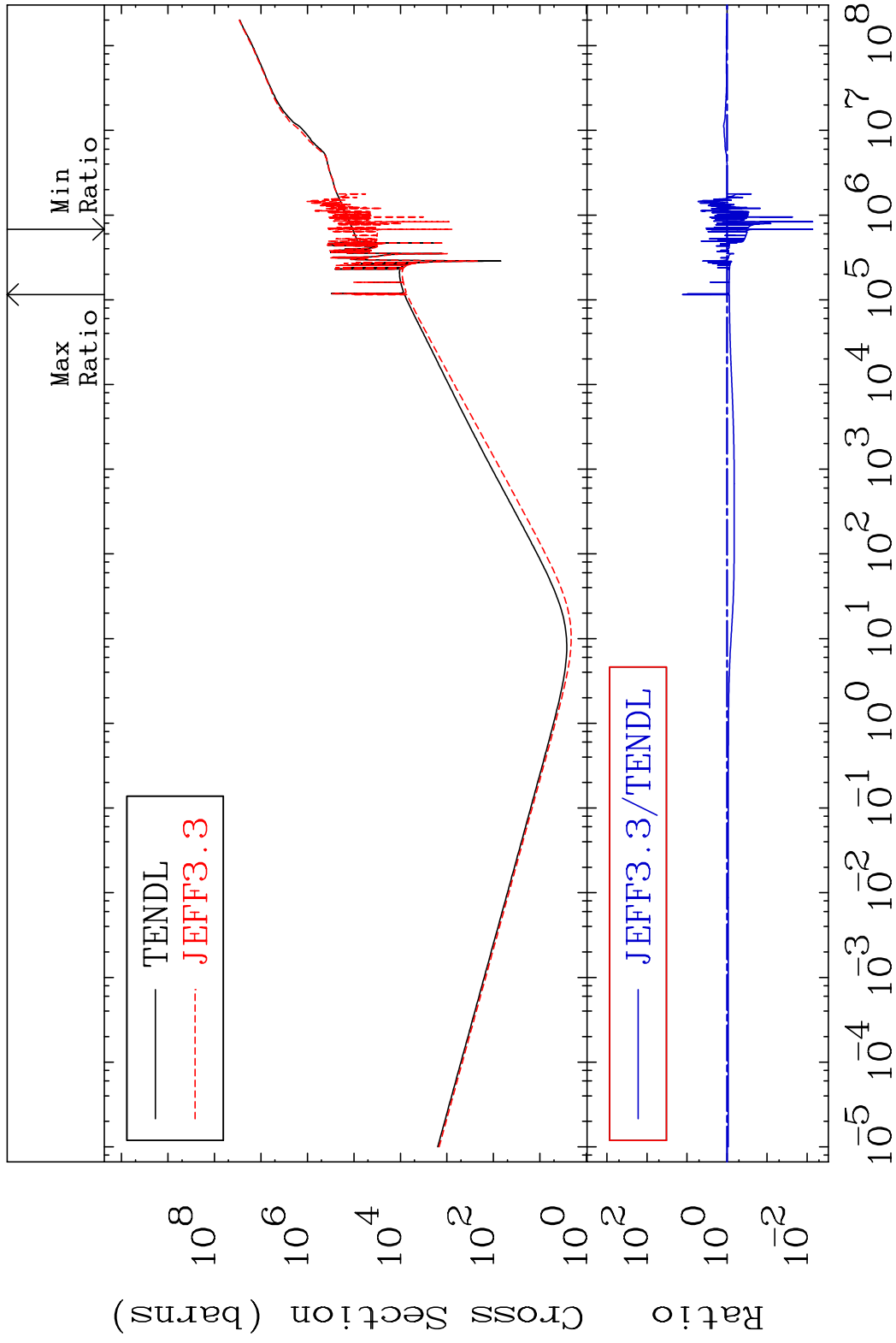
16-S -34

MAT 1631 Total photon (eV-barns) 16-S -34
 Cross Section -99.67 To 9999. %

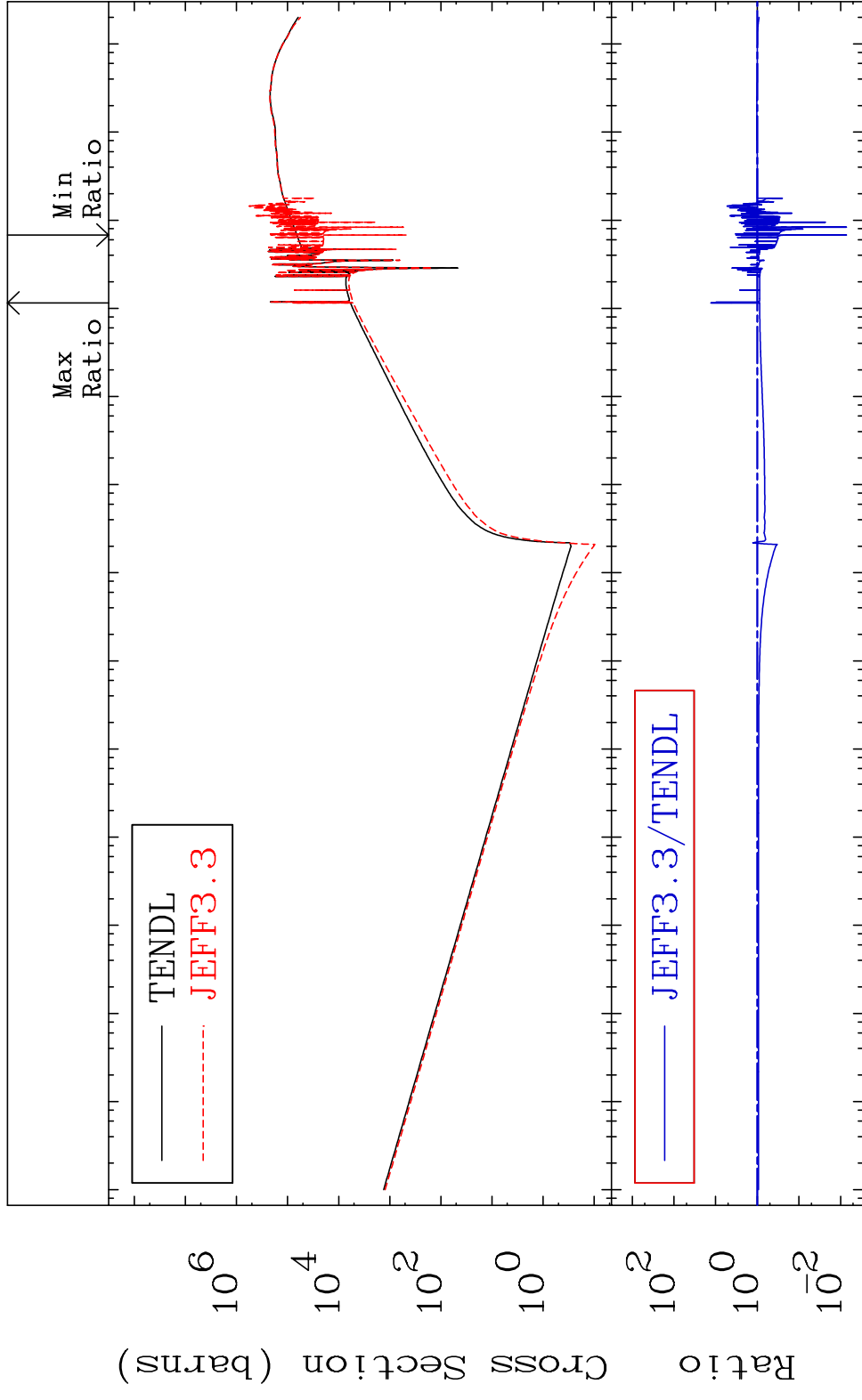


71 Incident Energy (eV) 16-S -34

MAT 1631 Total kinematic kerma (high limit) 16-S -34
 Cross Section -99.27 To 1205. %



MAT 1631 Dpa total (eV-barns) 16-S -34
 Cross Section -99.27 To 1209. %



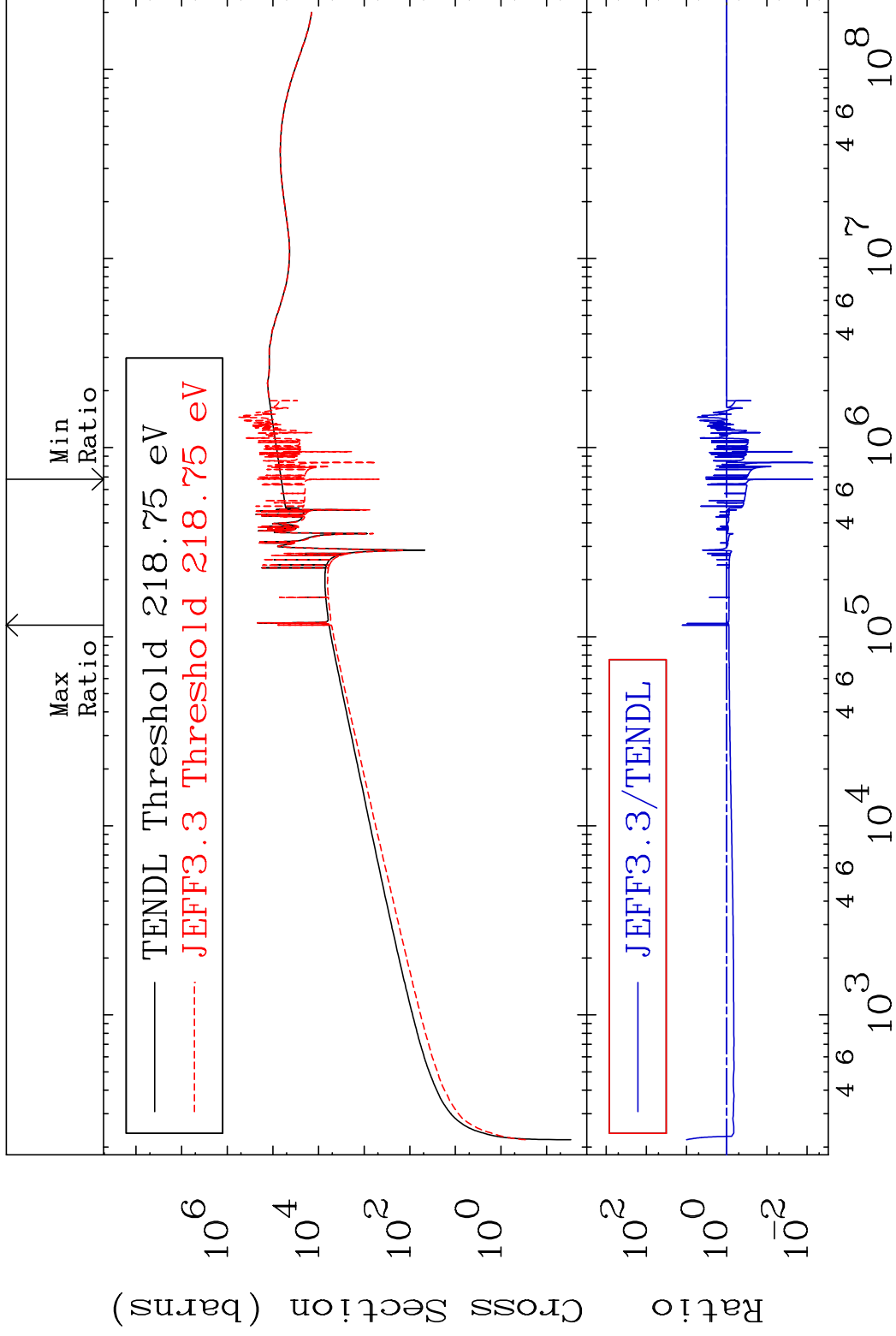
Ratio
 Cross Section (barns)
 Incident Energy (eV)
 73 16-S -34

MAT 1631

Dpa elastic (mt2)

16-S -34

Cross Section -99.27 To 1180. %

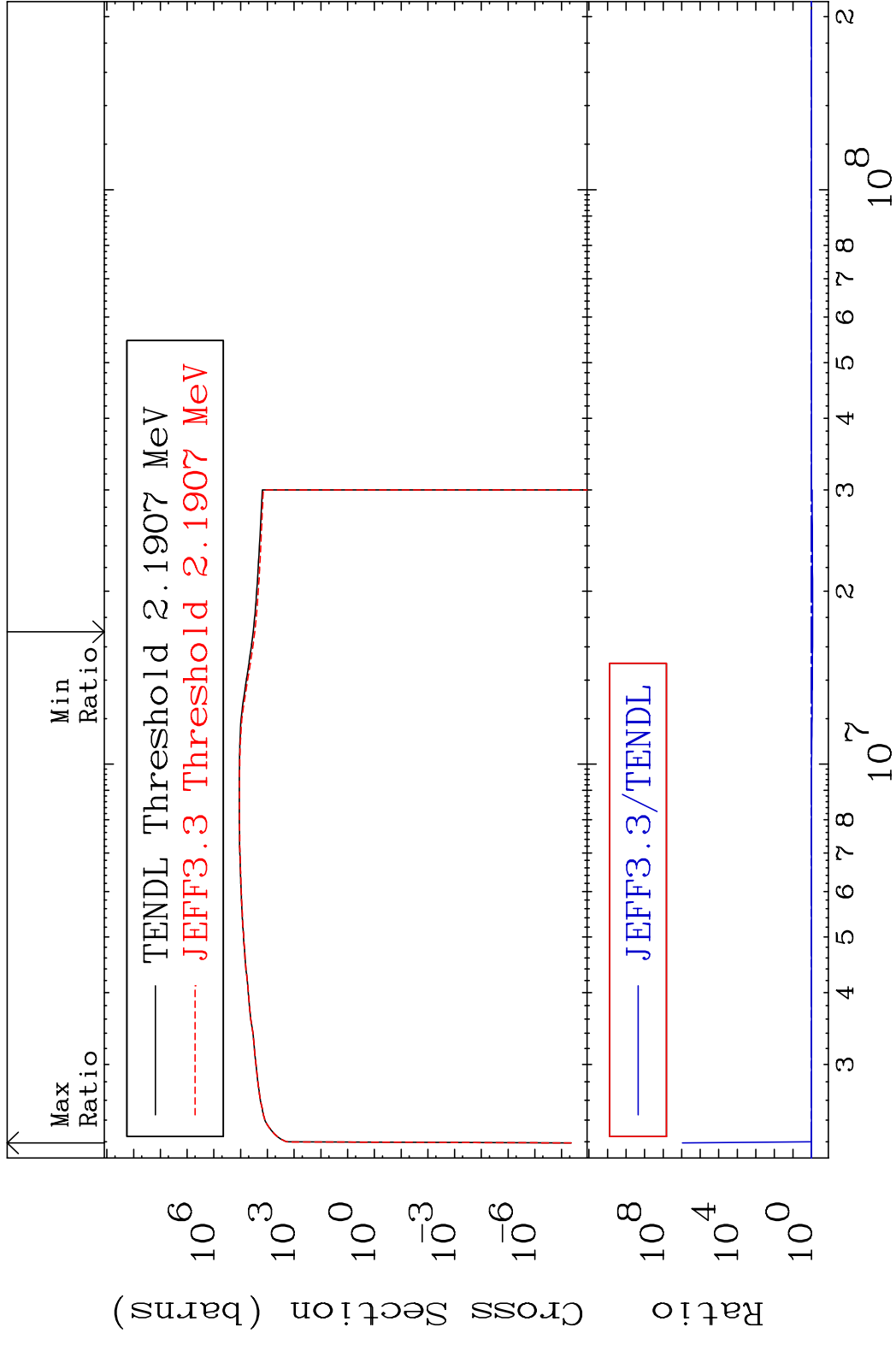


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Incident Energy (eV)

16-S -34

MAT 1631 Dpa inelastic (mt51-91) 16-S -34
 Cross Section -12.90 To 9999. %



MAT 1631 Dpa disappearance (mt102 -120) 16-S -34
 Cross Section -99.69 To 9999. %

