

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

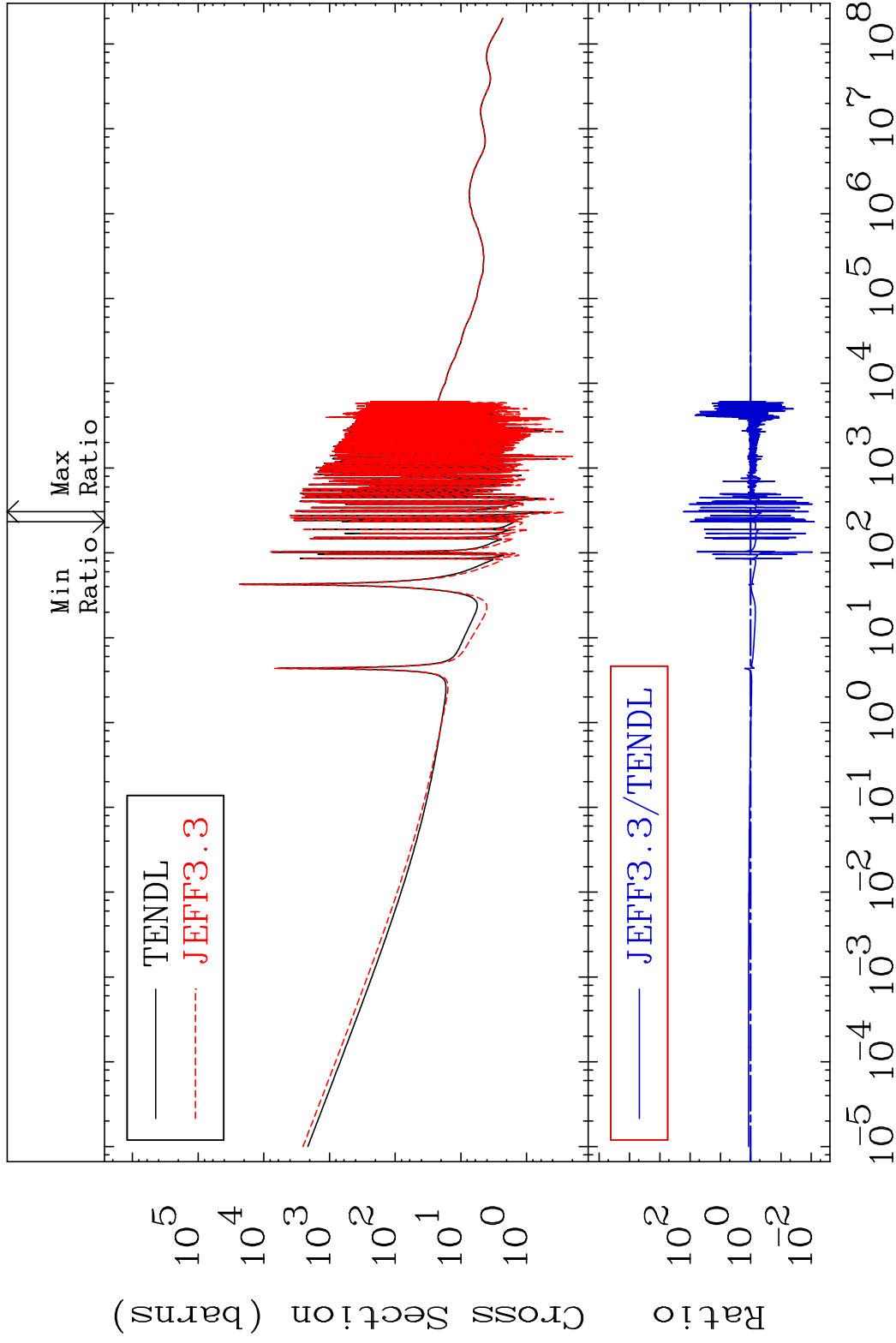
MAT 6034

Total

60-Nd-145

Cross Section

-99.19 To 9999. %



1

Incident Energy (eV)

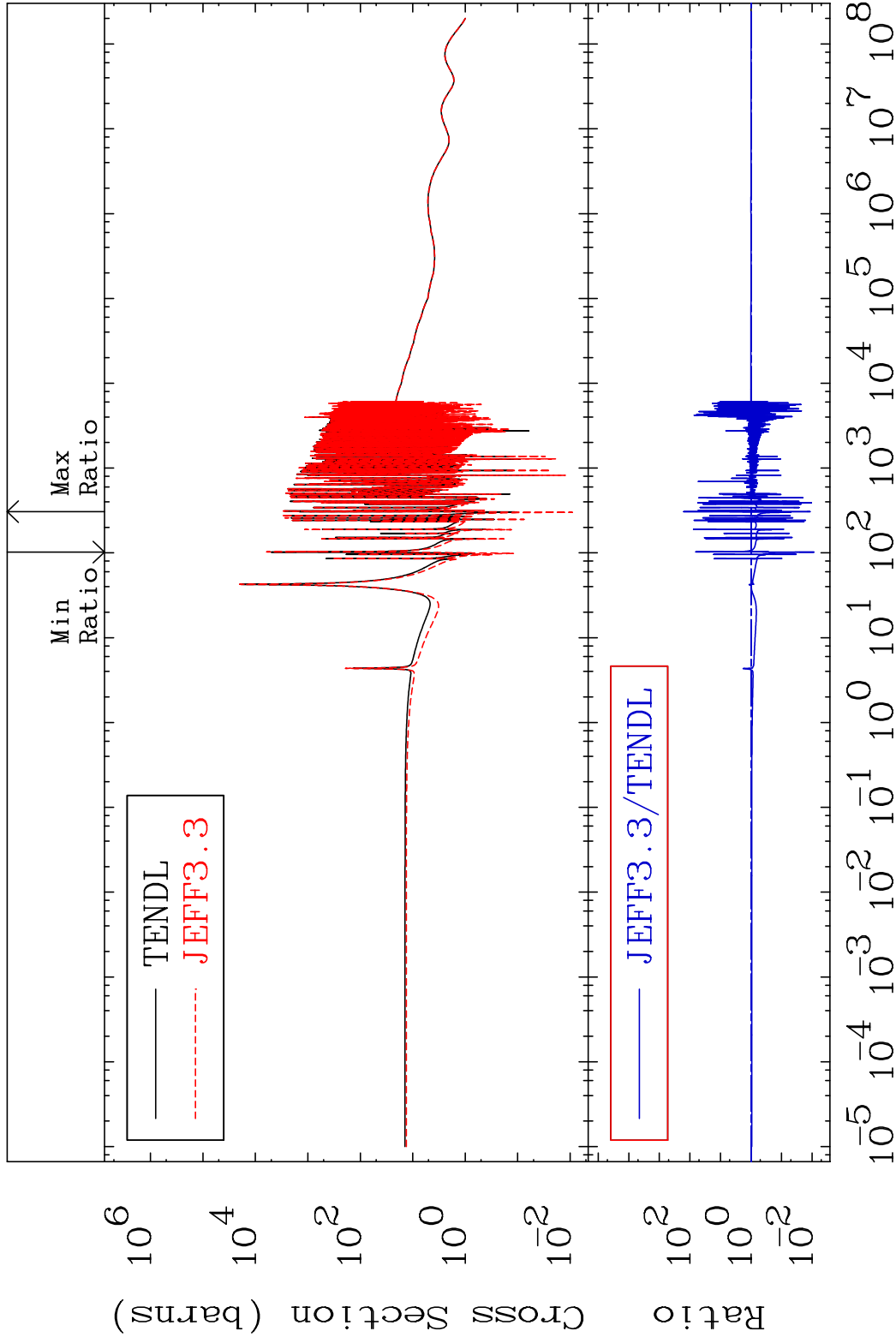
60-Nd-145

MAT 6034

Elastic

60-Nd-145

Cross Section -99.14 To 9999. %

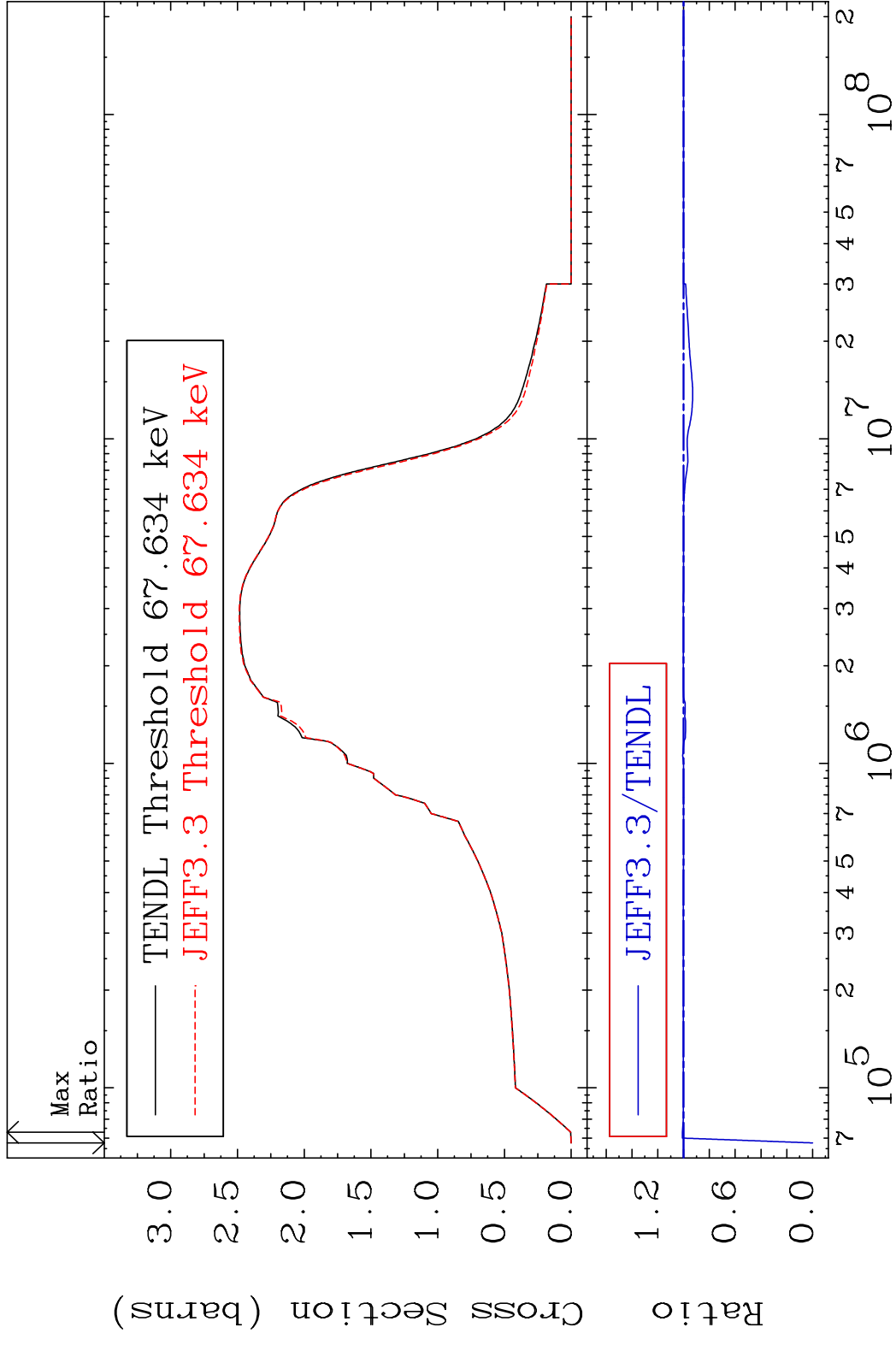


2

Incident Energy (eV)

60-Nd-145

MAT 6034 Inelastic 60-Nd-145
 Cross Section -100.0 To 0.931 %



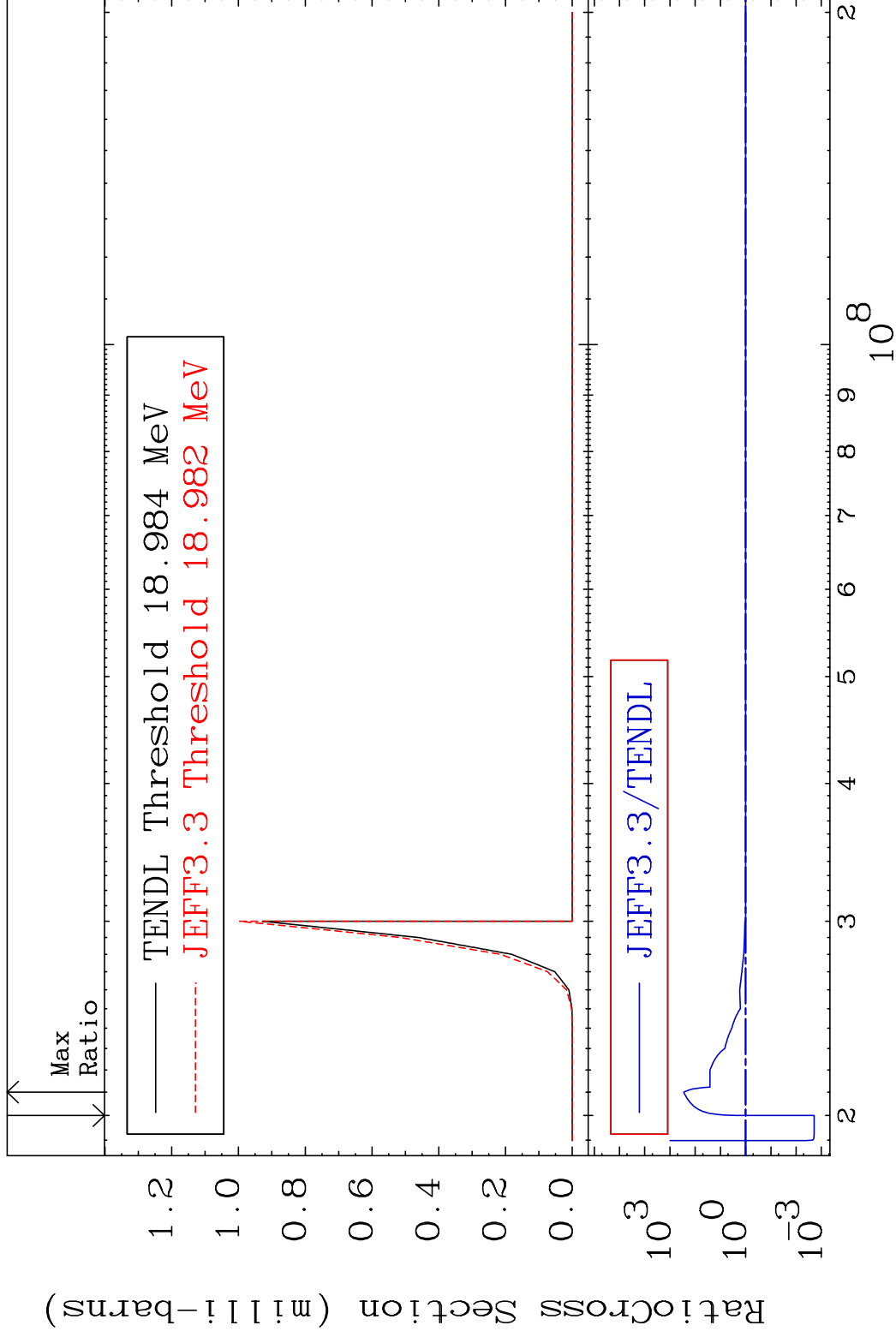
3 Incident Energy (eV) 60-Nd-145

MAT 6034

(n,2n) d

60-Nd-145

Cross Section -99.81 To 9999. %

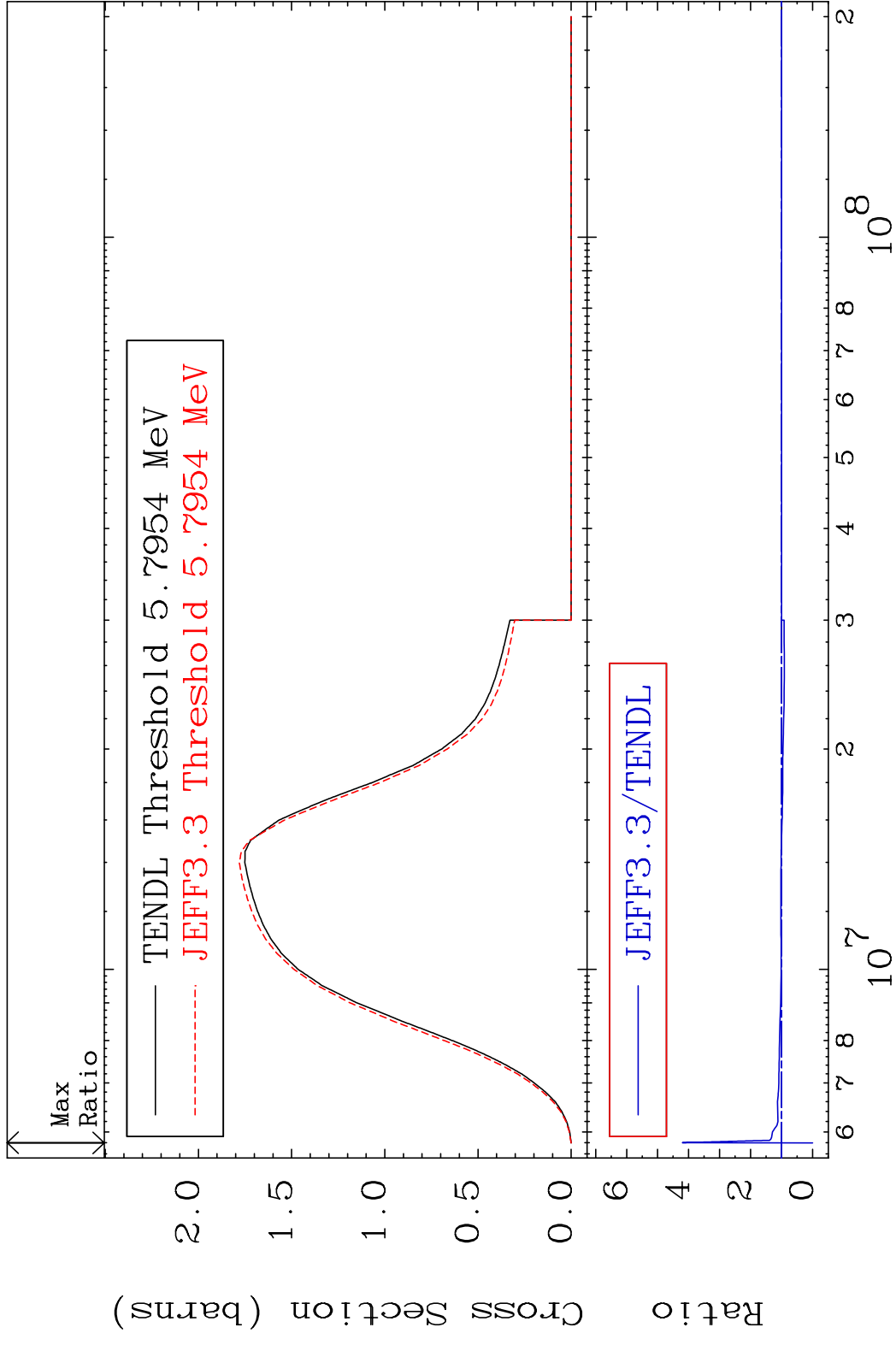


4

Incident Energy (eV)

60-Nd-145

MAT 6034 (n,2n) 60-Nd-145
 Cross Section -100.0 To 320.2 %



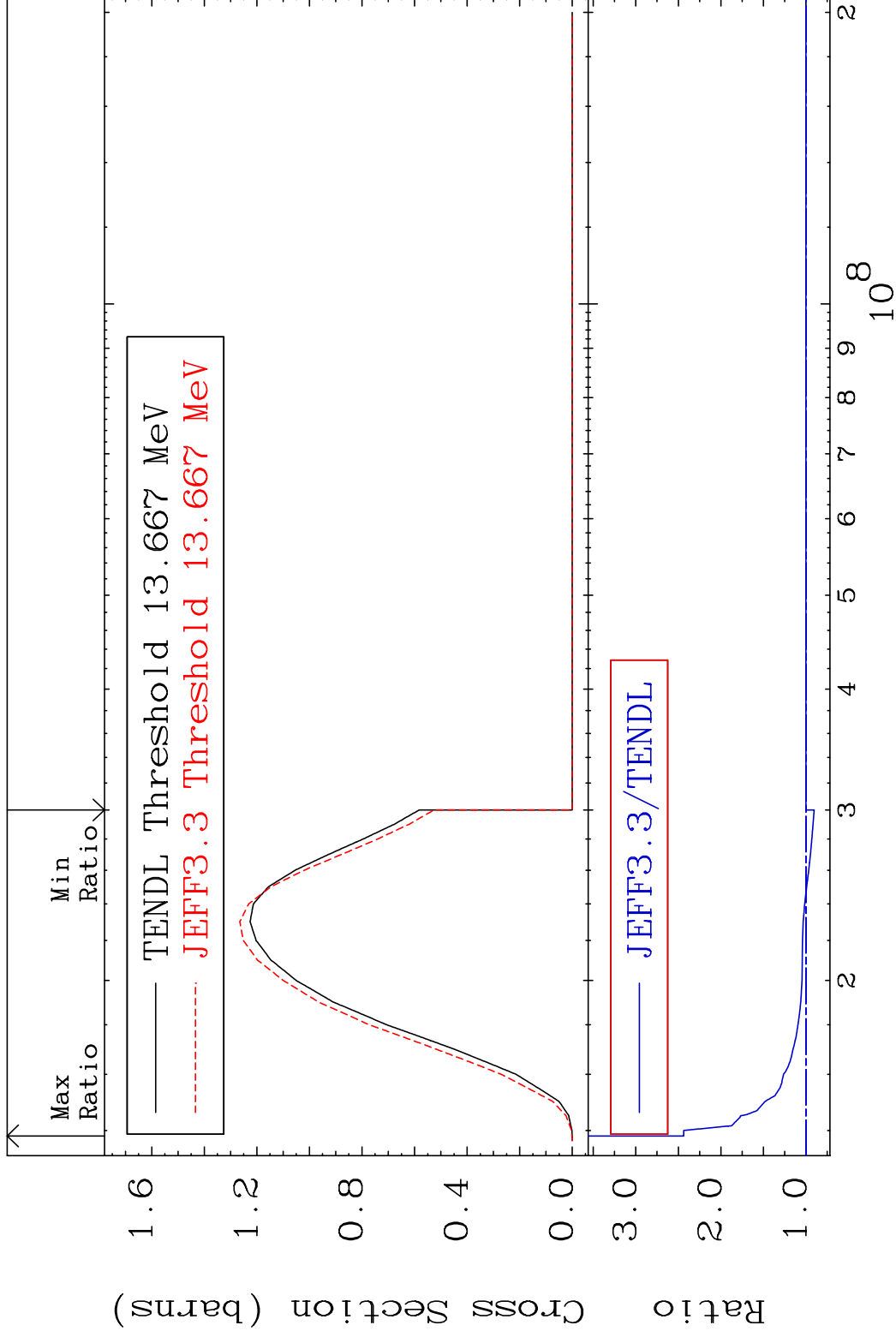
5 Incident Energy (eV) 60-Nd-145

MAT 6034

(n,3n)

60-Nd-145

Cross Section -9.602 To 143.7 %



6

Incident Energy (eV)

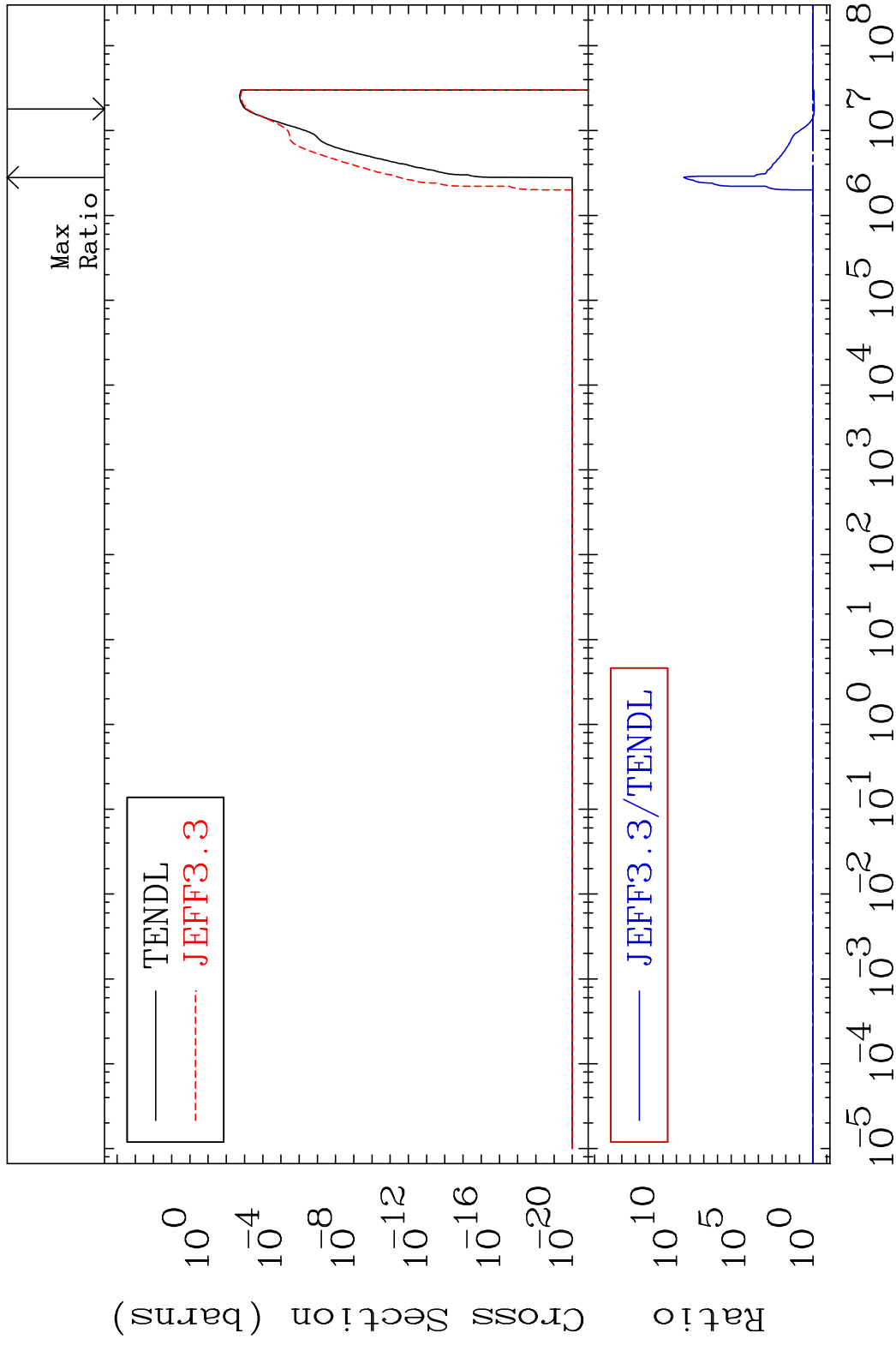
60-Nd-145

MAT 6034

(n, n') α

60-Nd-145

Cross Section -15.23 To 9999. %

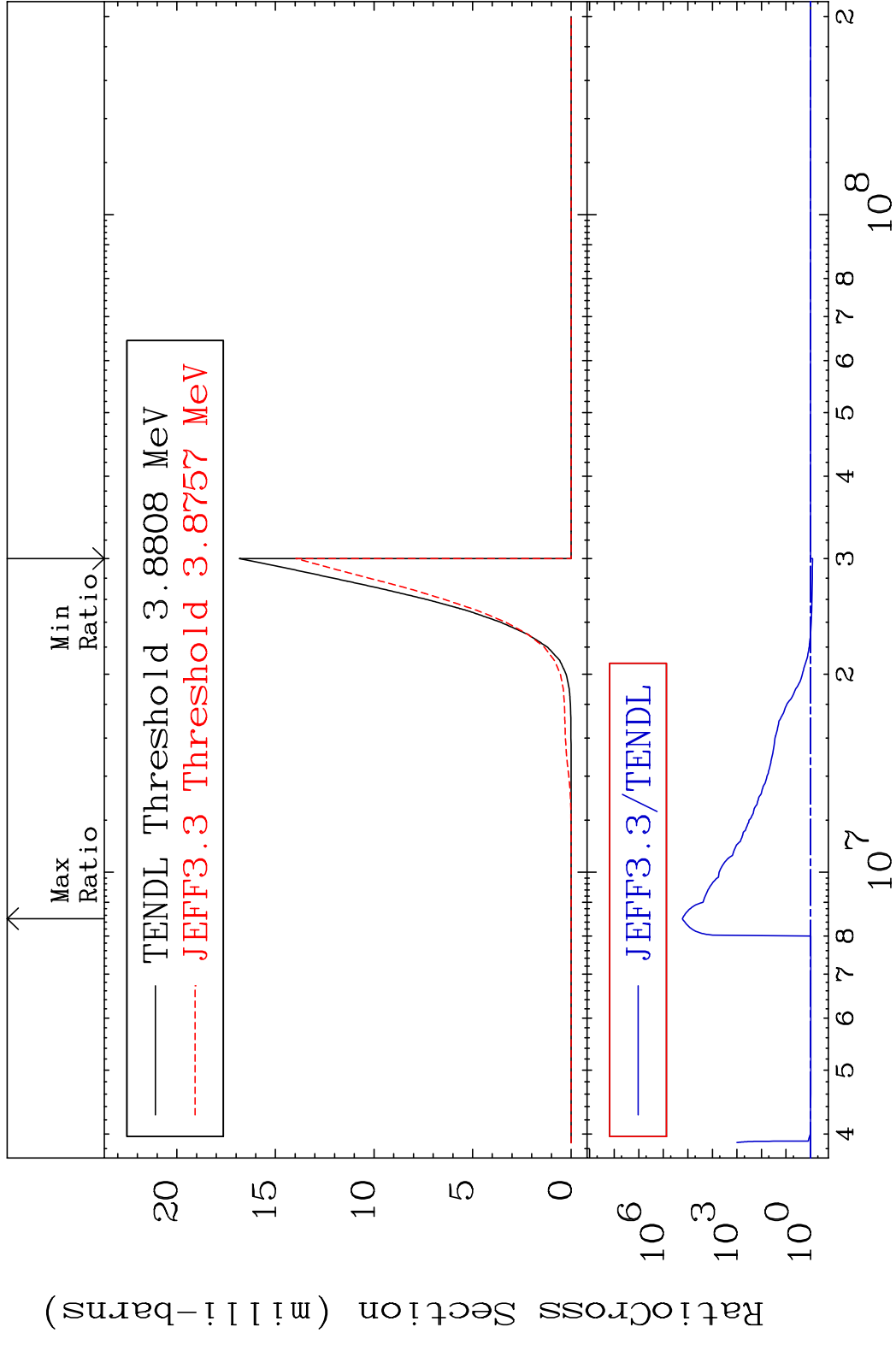


7

Incident Energy (eV)

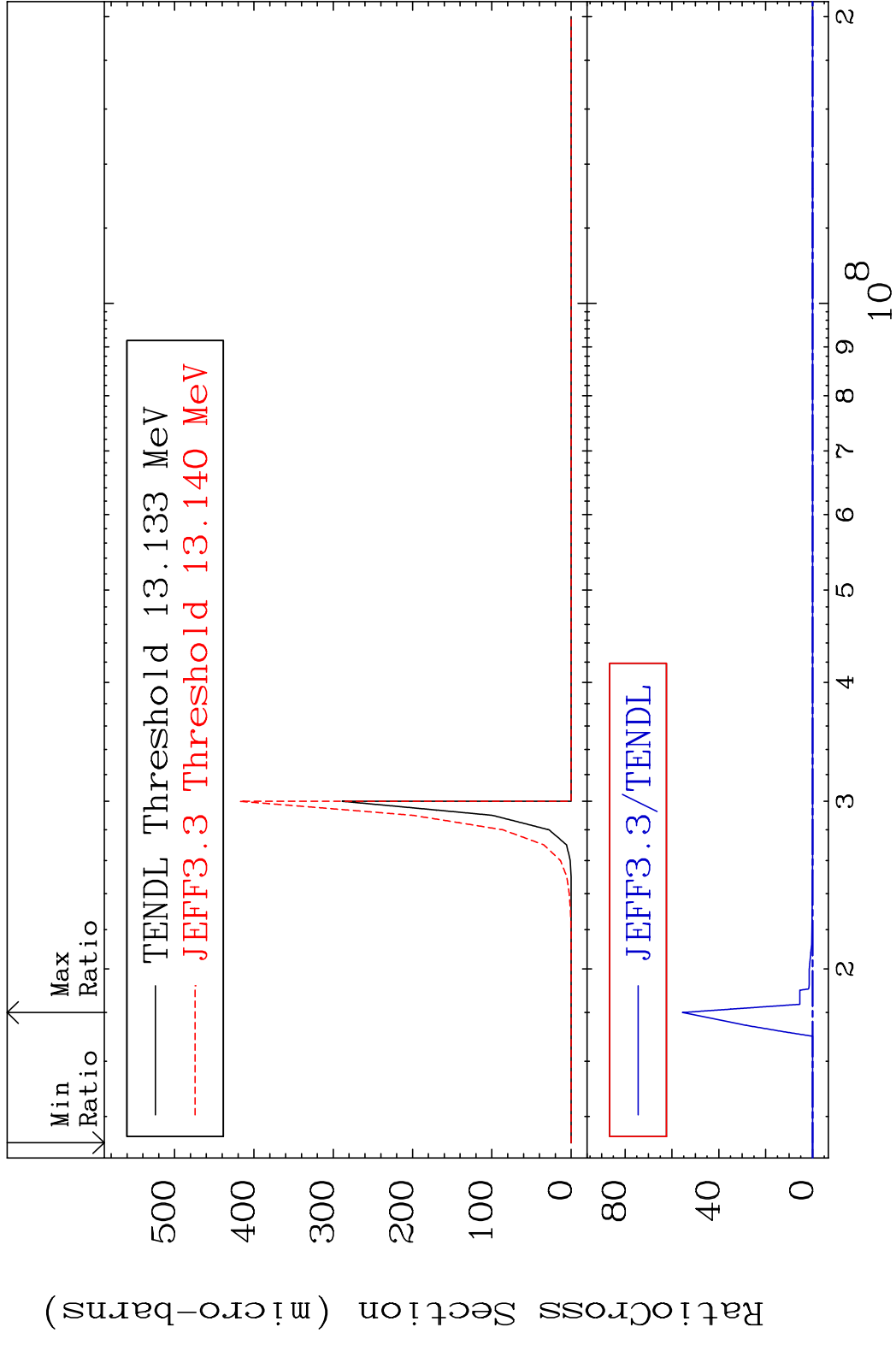
60-Nd-145

MAT 6034 (n,2n) α 60-Nd-145
 Cross Section -17.06 To 9999. %



8 Incident Energy (eV) 60-Nd-145

MAT 6034 (n,3n) α 60-Nd-145
 Cross Section -100.0 To 9999. %

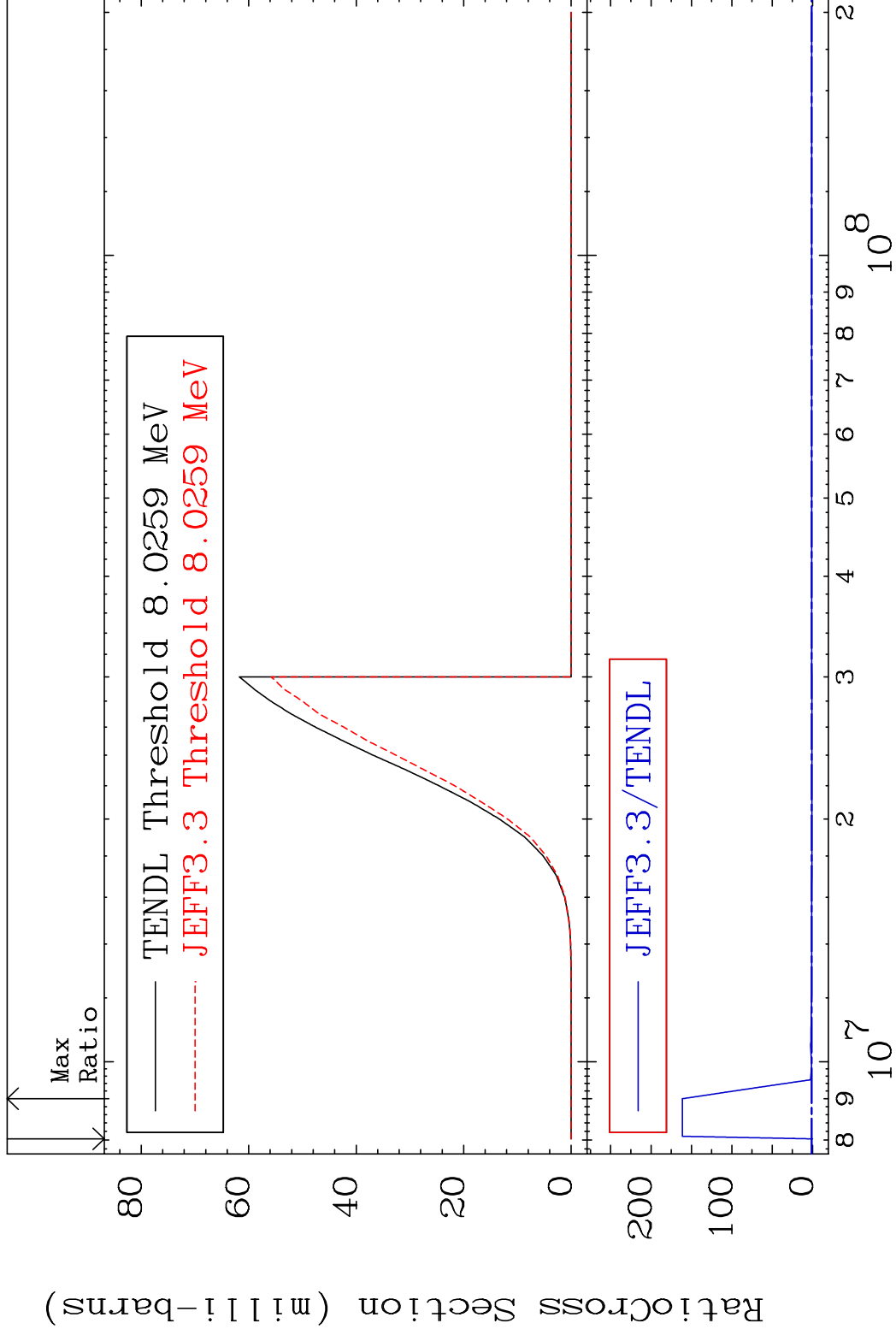


MAT 6034

(n, n') p

60-Nd-145

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

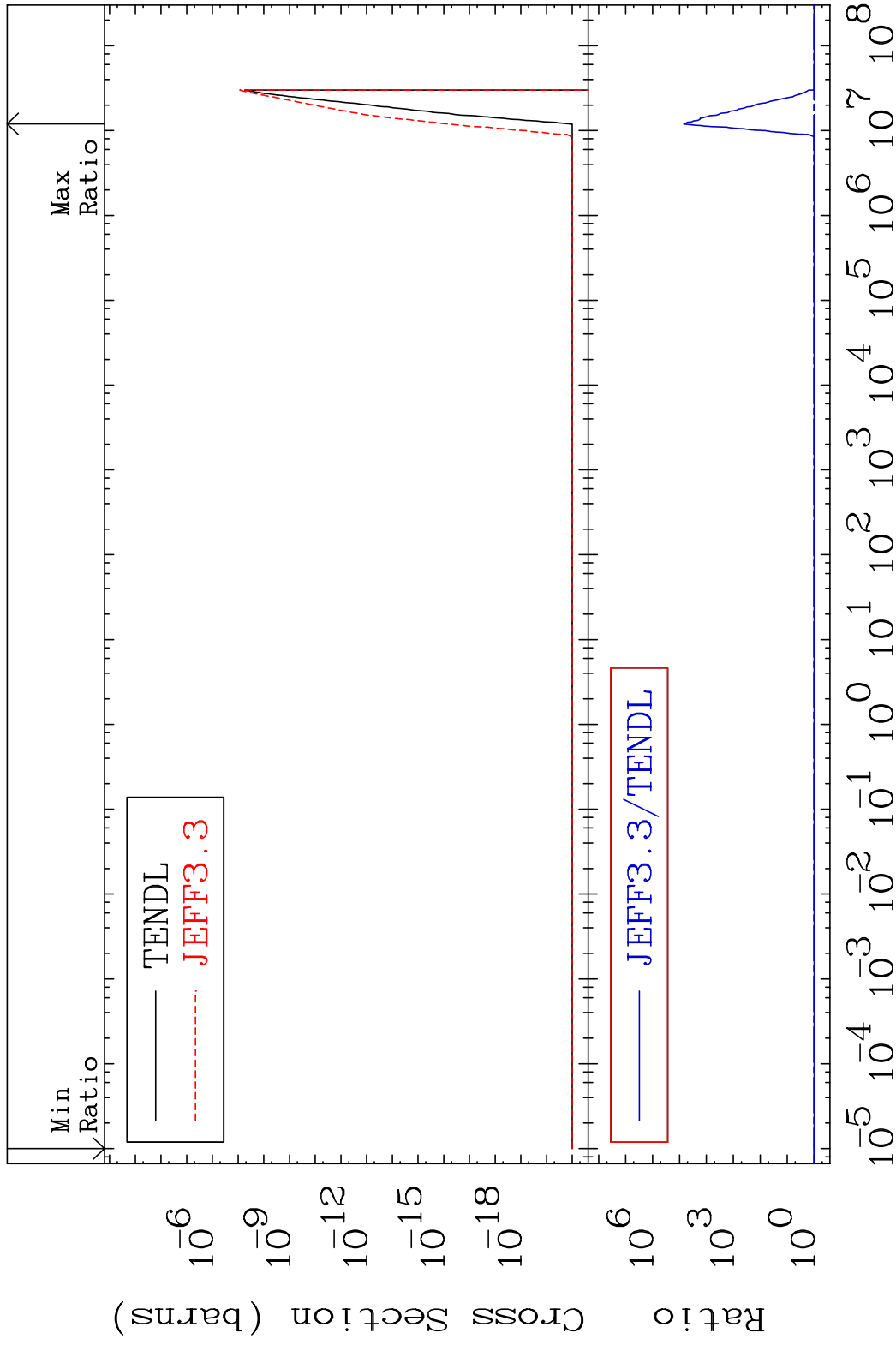
60-Nd-145

MAT 6034

(n, n') 2α

60-Nd-145

Cross Section 0.000 To 9999. %



11

Incident Energy (eV)

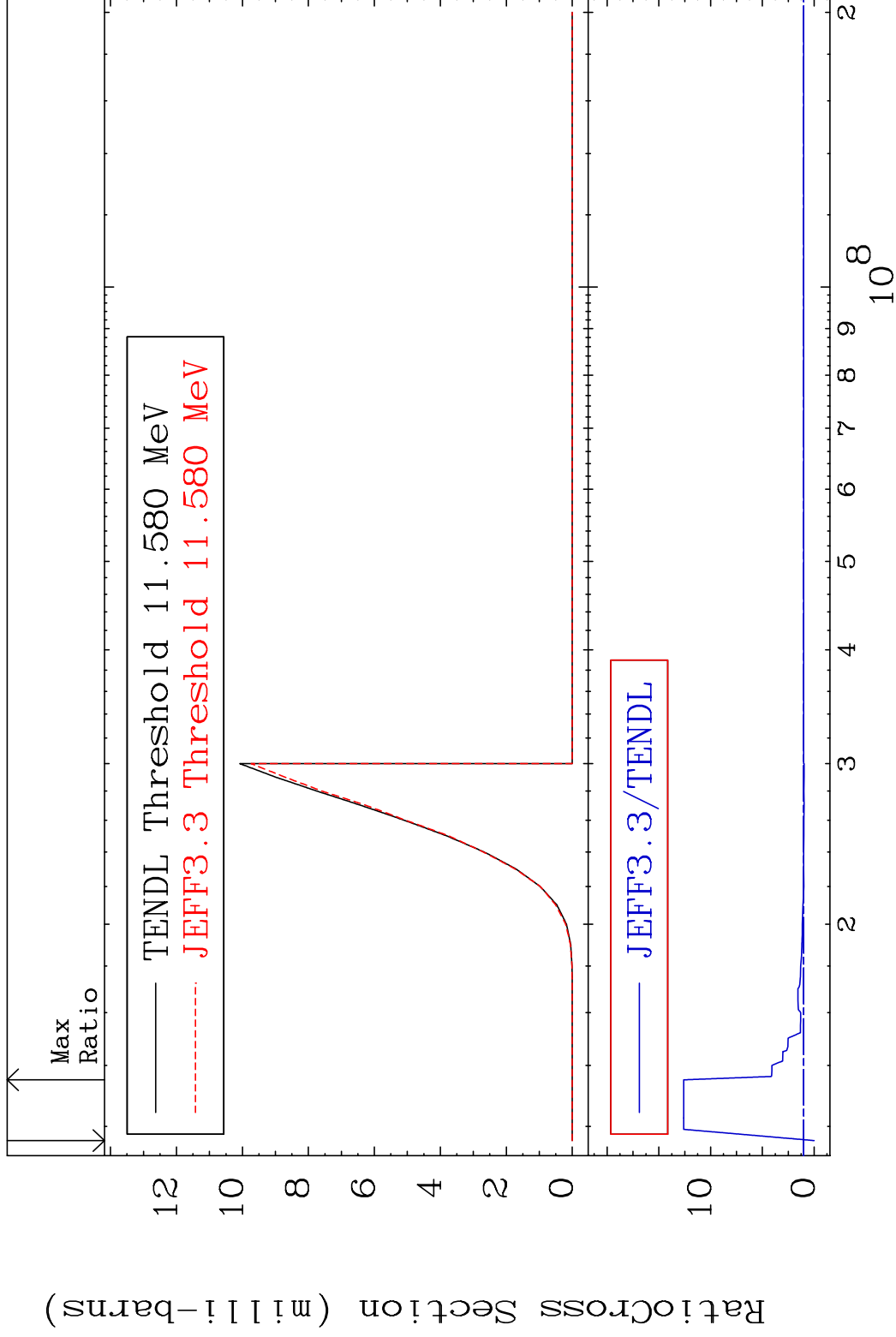
60-Nd-145

MAT 6034

(n, n') d

60-Nd-145

Cross Section -100.0 To 1160. %



12

Incident Energy (eV)

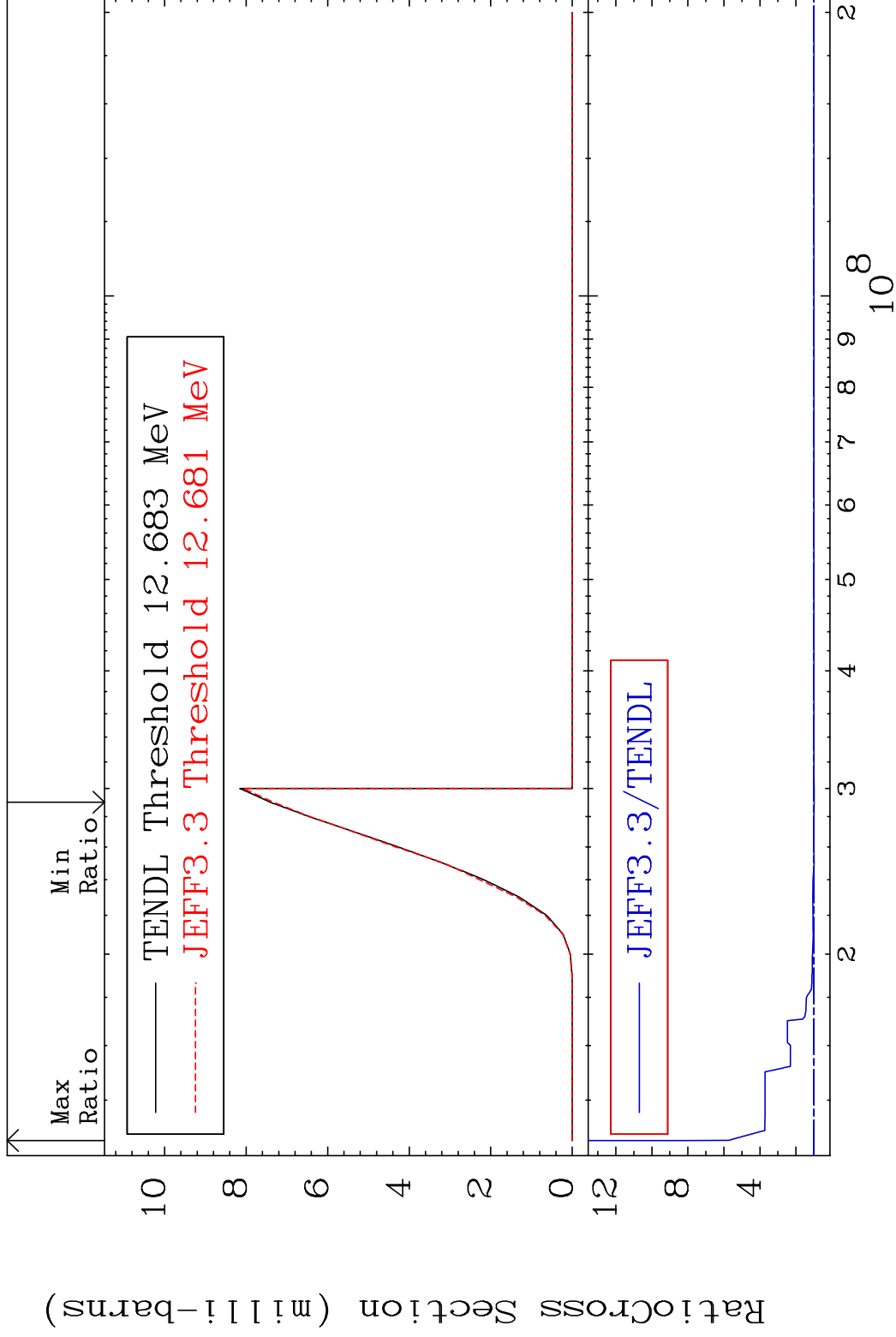
60-Nd-145

MAT 6034

(n, n') t

60-Nd-145

Cross Section -1.052 To 723.3 %

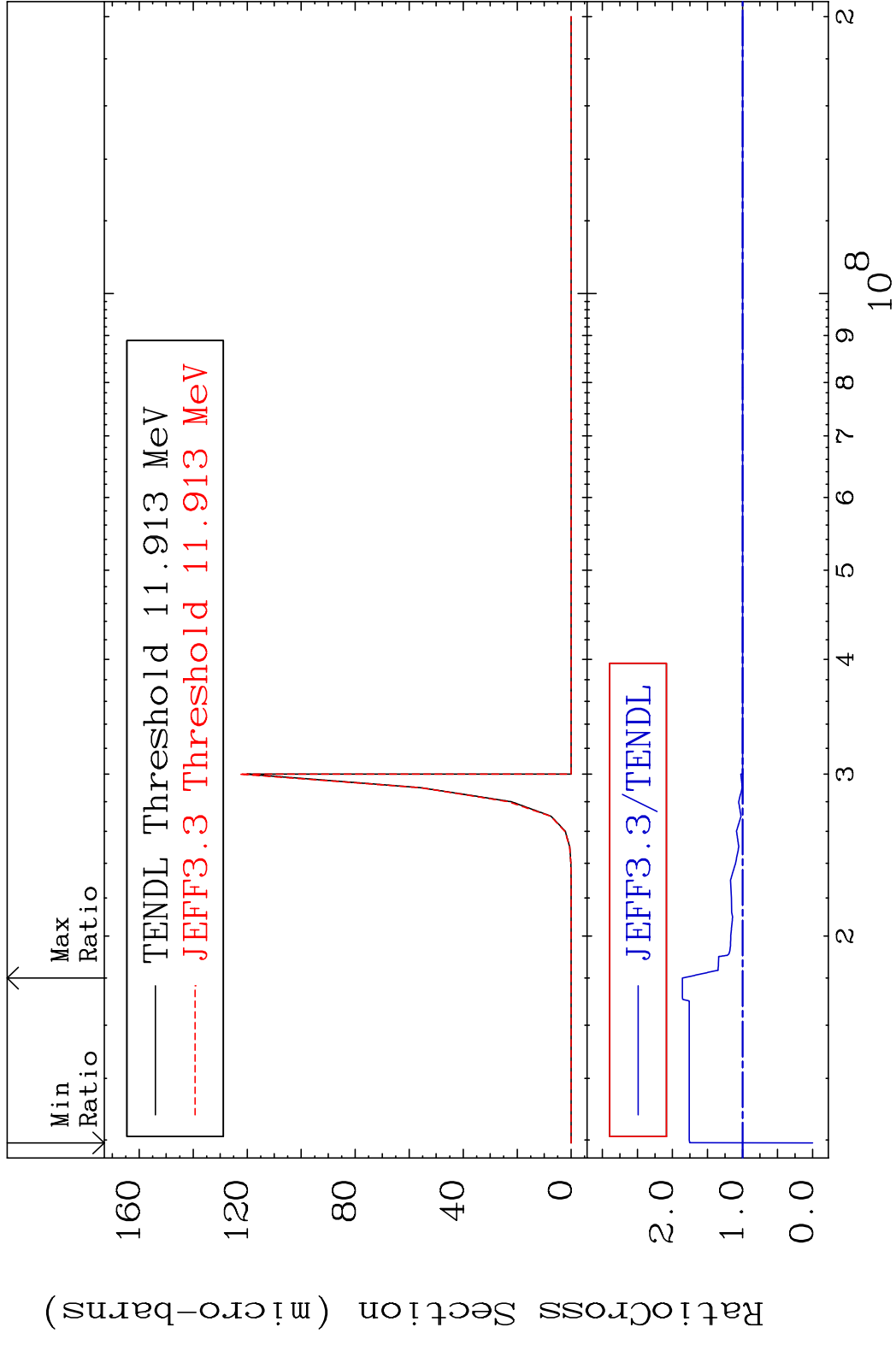


13

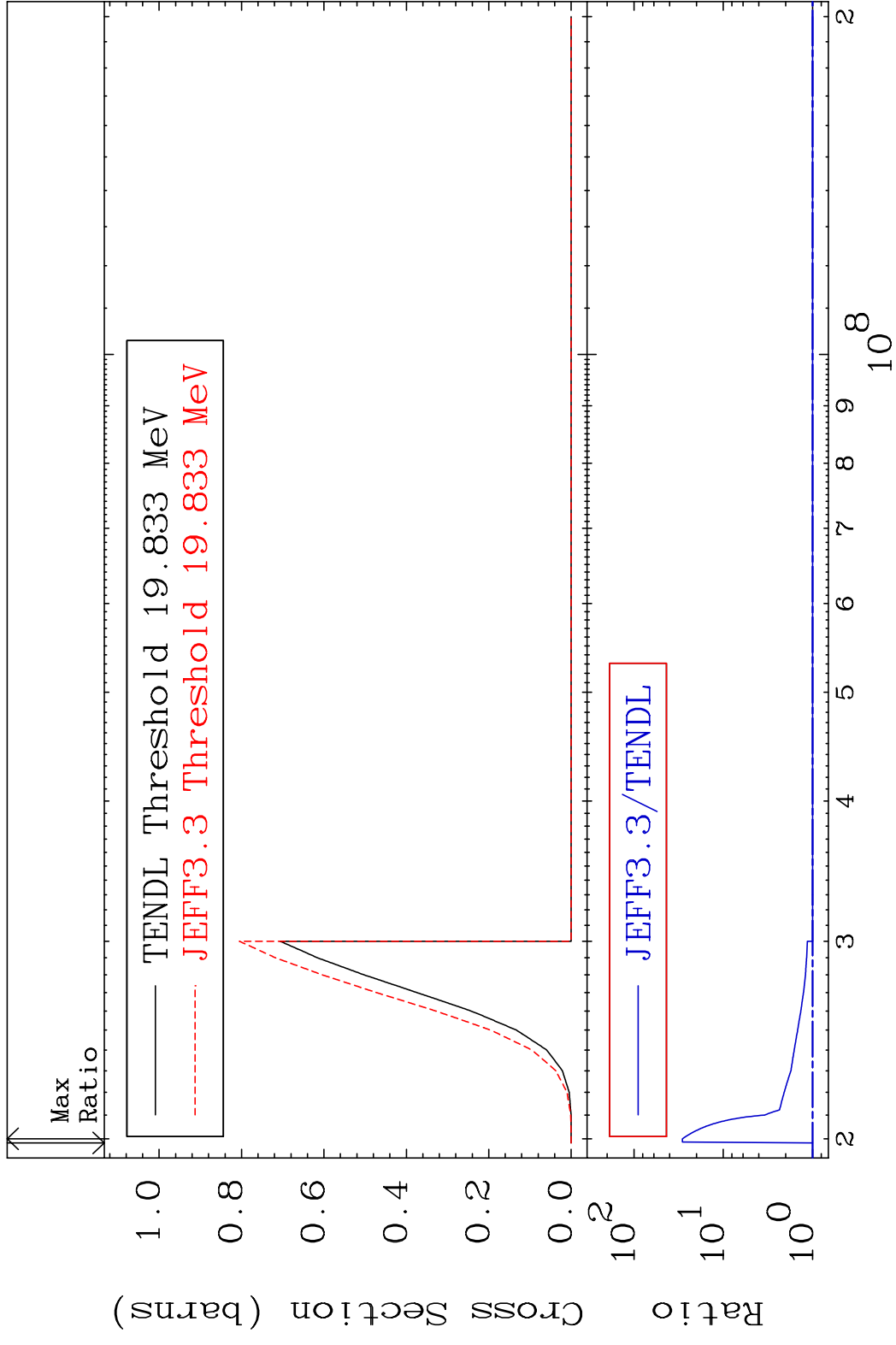
Incident Energy (eV)

60-Nd-145

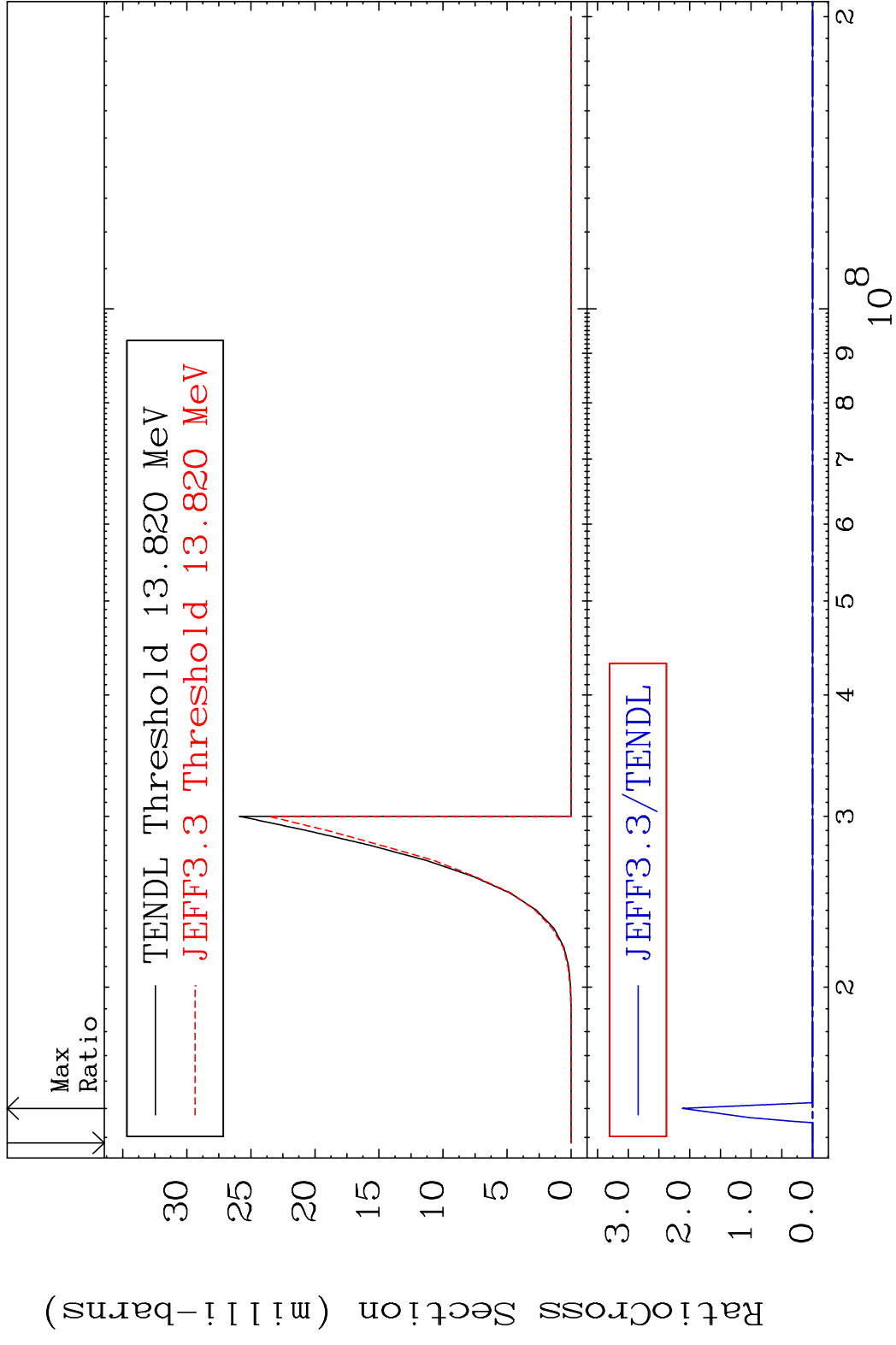
MAT 6034 (n,n') He-3 60-Nd-145
 Cross Section -100.0 To 85.83 %



MAT 6034 (n,4n) 60-Nd-145
 Cross Section 0.000 To 2777. %



MAT 6034 (n,2n) p 60-Nd-145
 Cross Section -100.0 To 9999. %

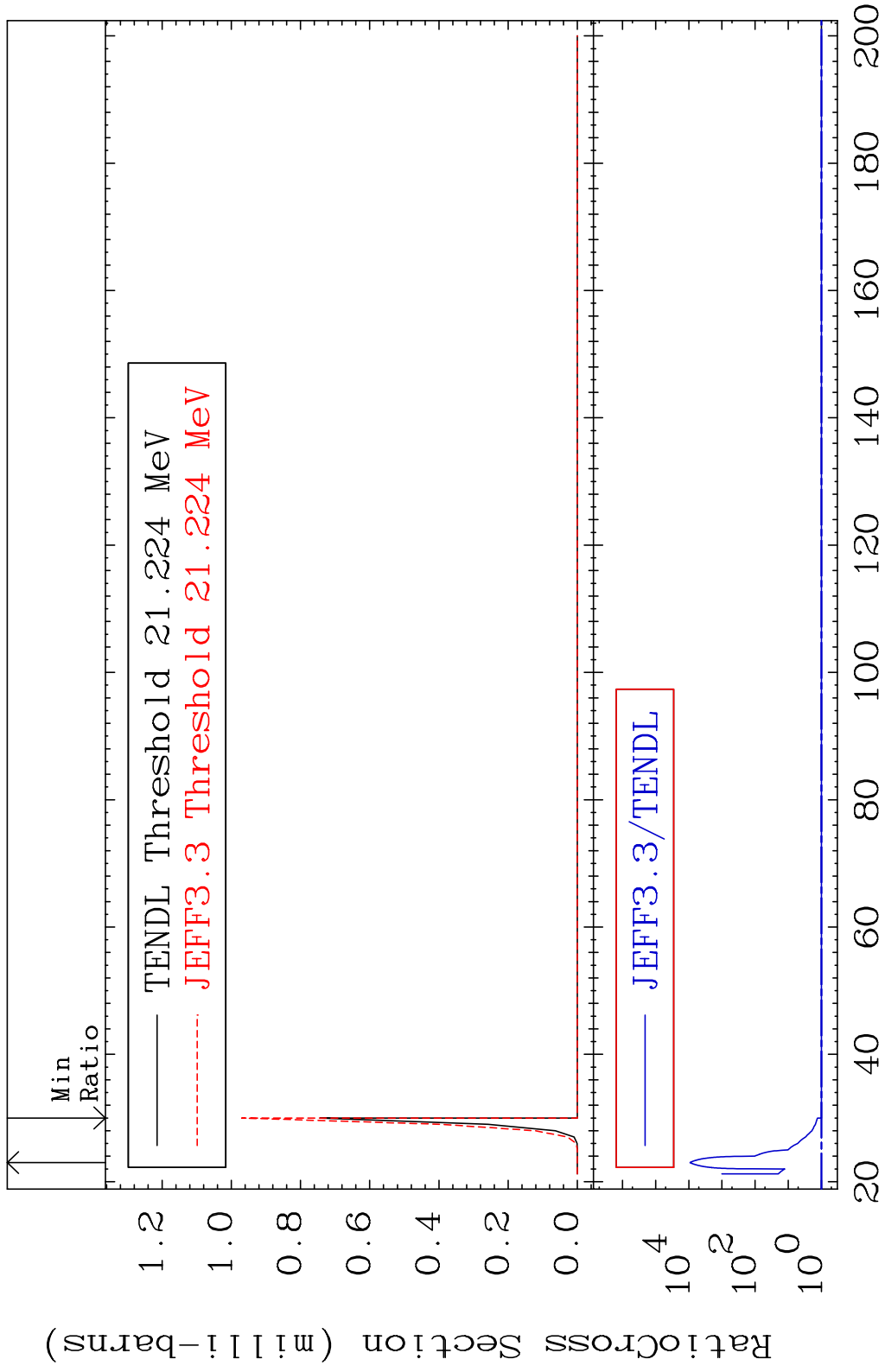


MAT 6034

(n,3n) p

60-Nd-145

Cross Section 0.000 To 9999. %

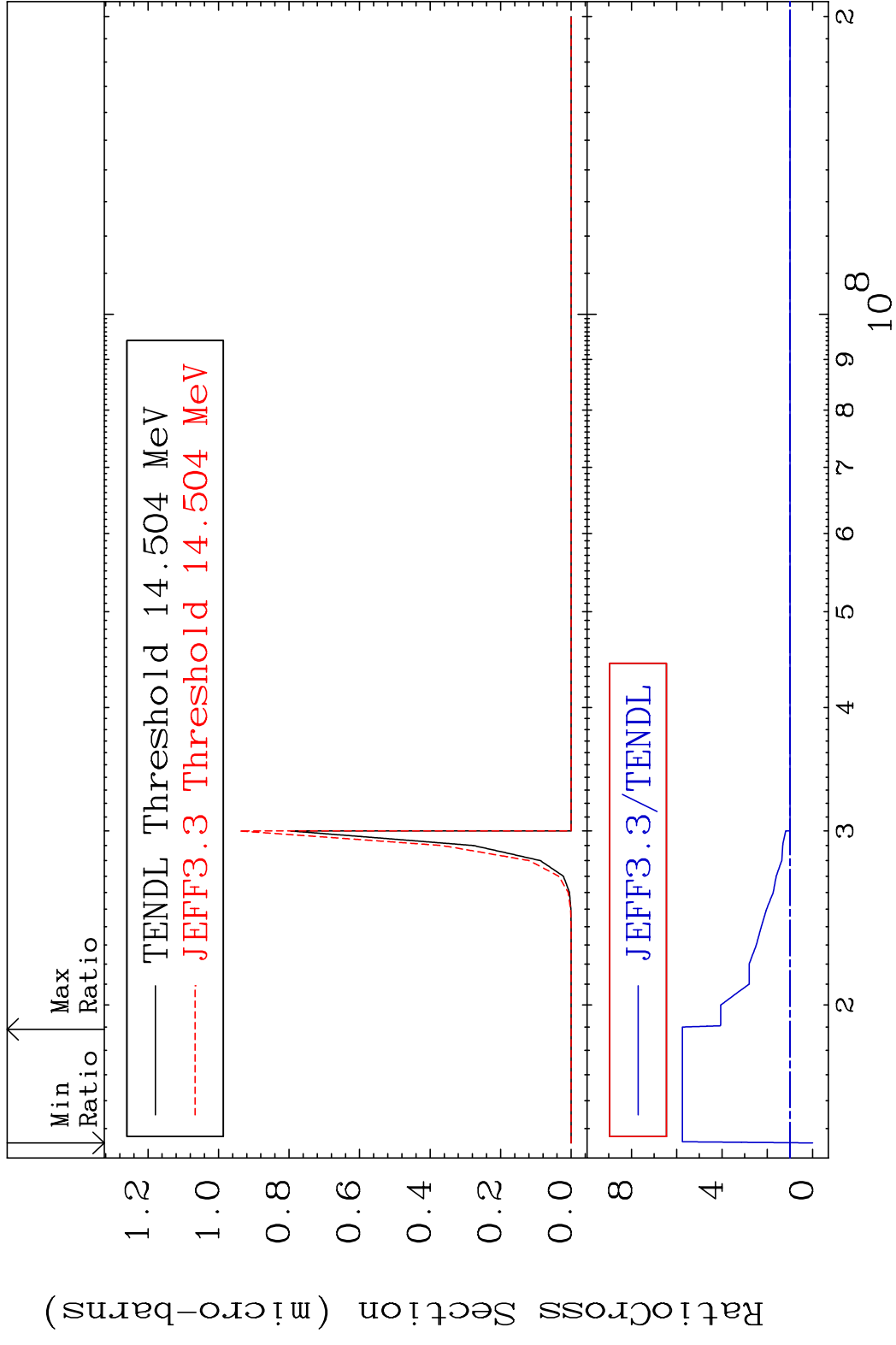


17

Incident Energy (MeV)

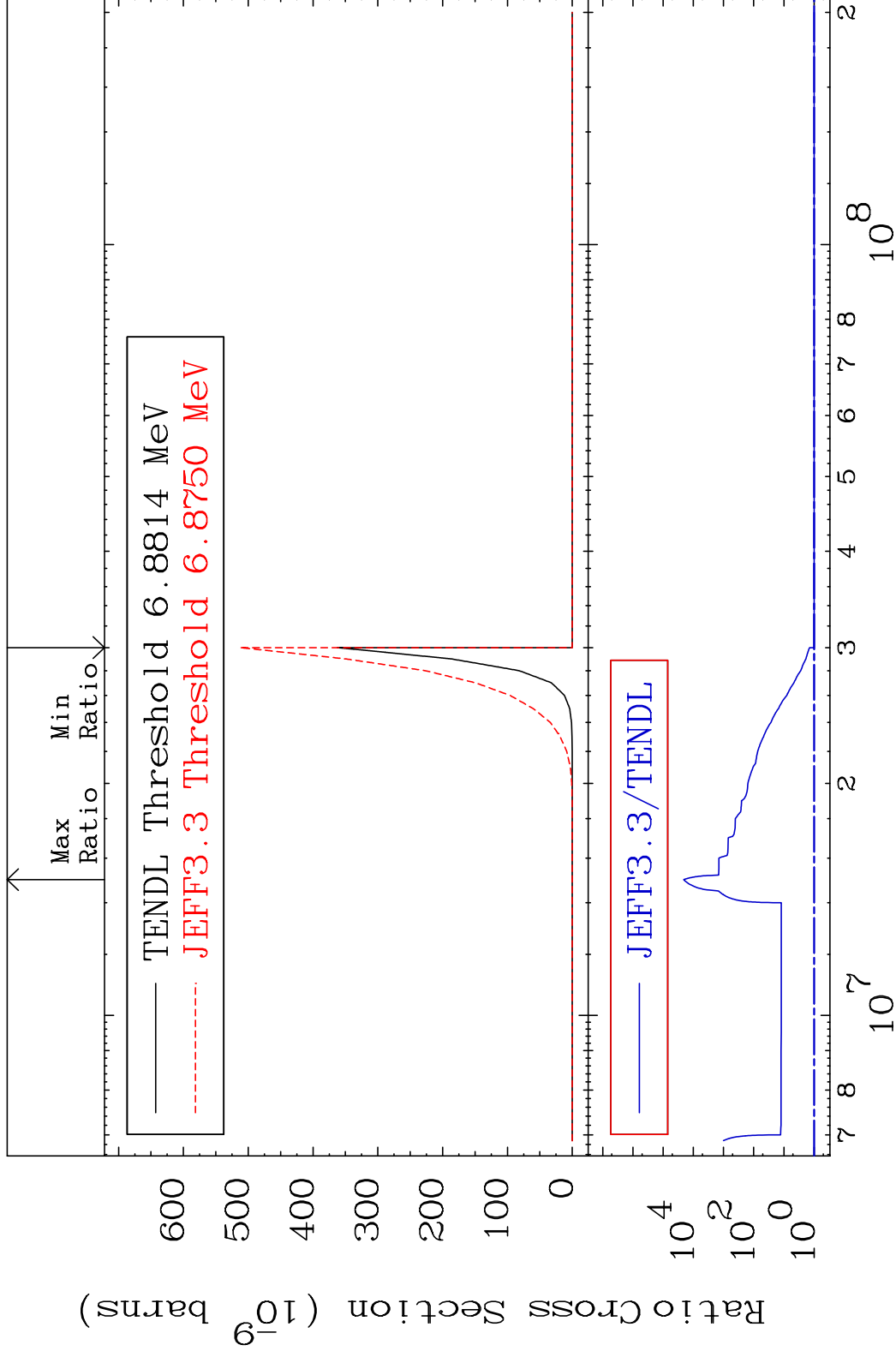
60-Nd-145

MAT 6034 (n,2n) p 60-Nd-145
 Cross Section -100.0 To 475.1 %



MAT 6034

(n, n') p α 60-Nd-145
Cross Section 0.000 To 9999. %

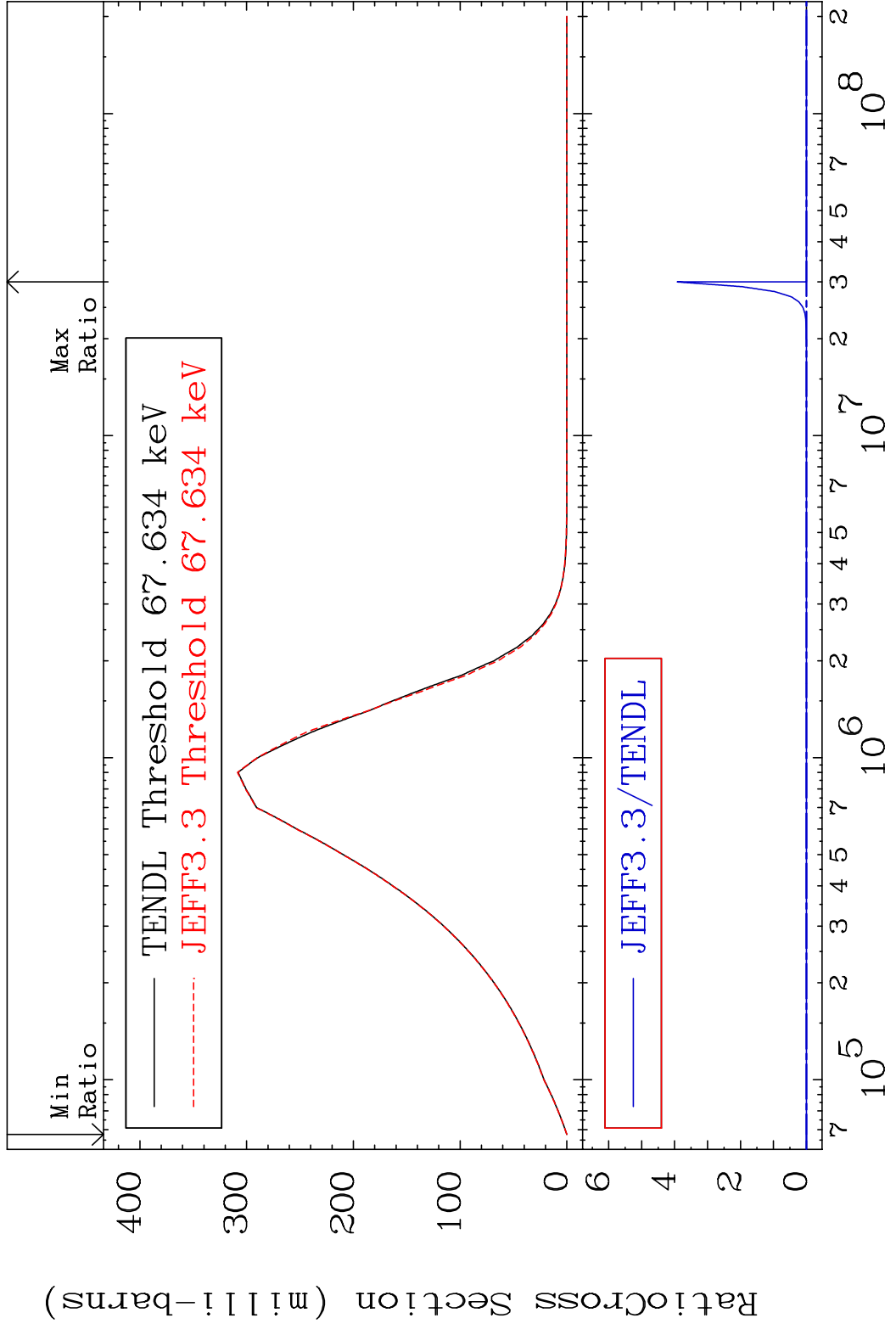


19

Incident Energy (eV)

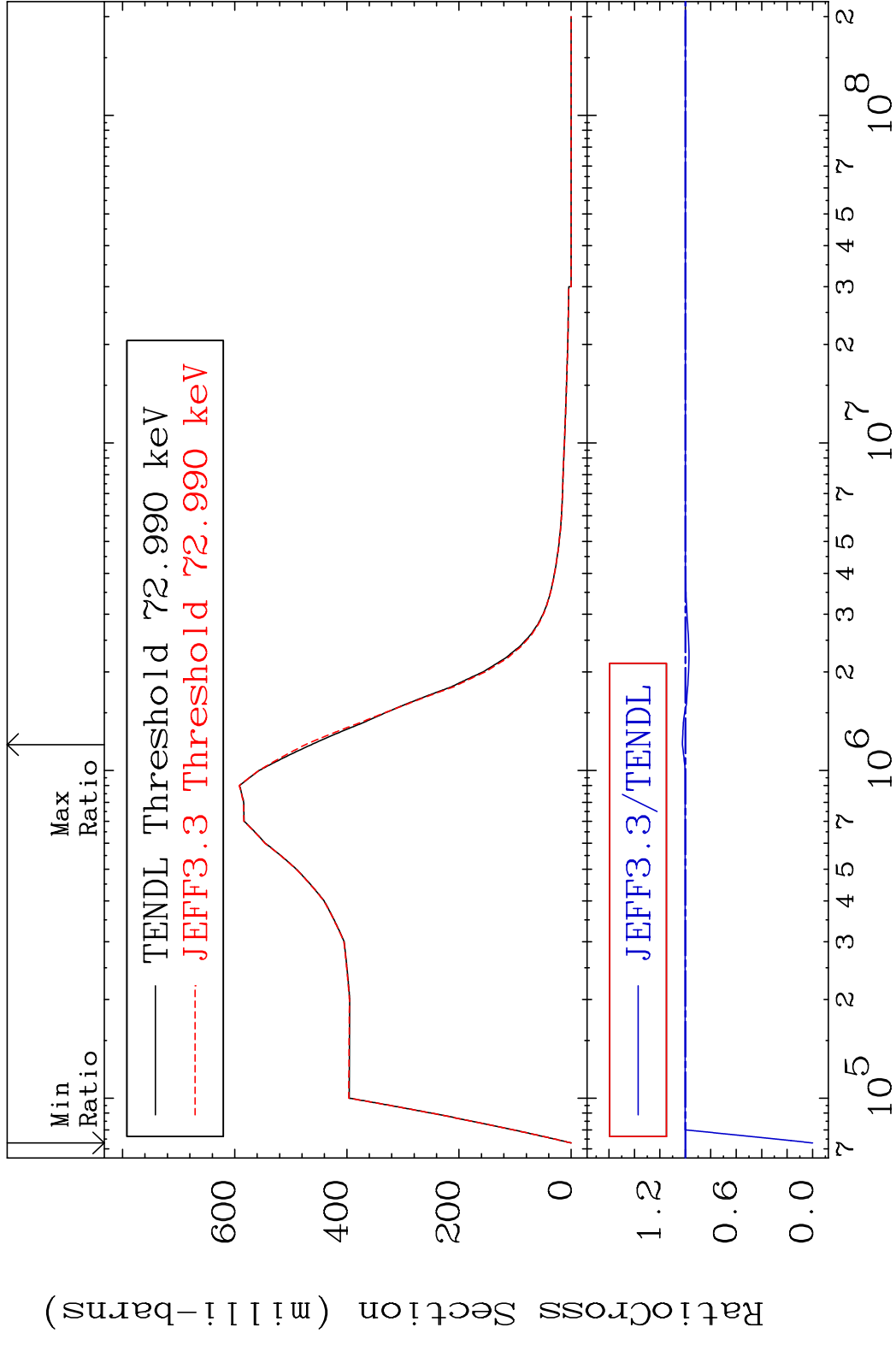
60-Nd-145

MAT 6034 MT= 51 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 9999. %

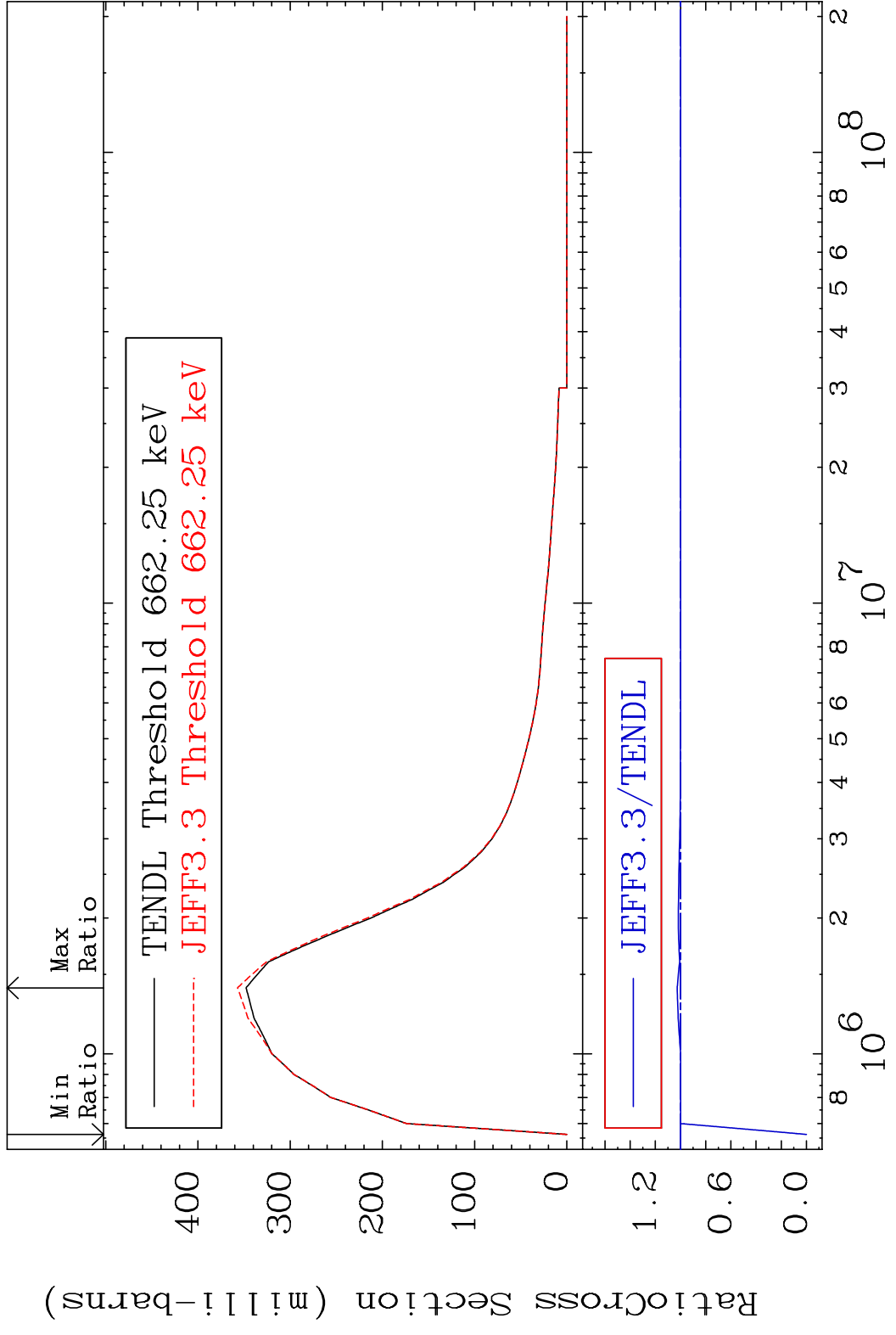


20 60-Nd-145

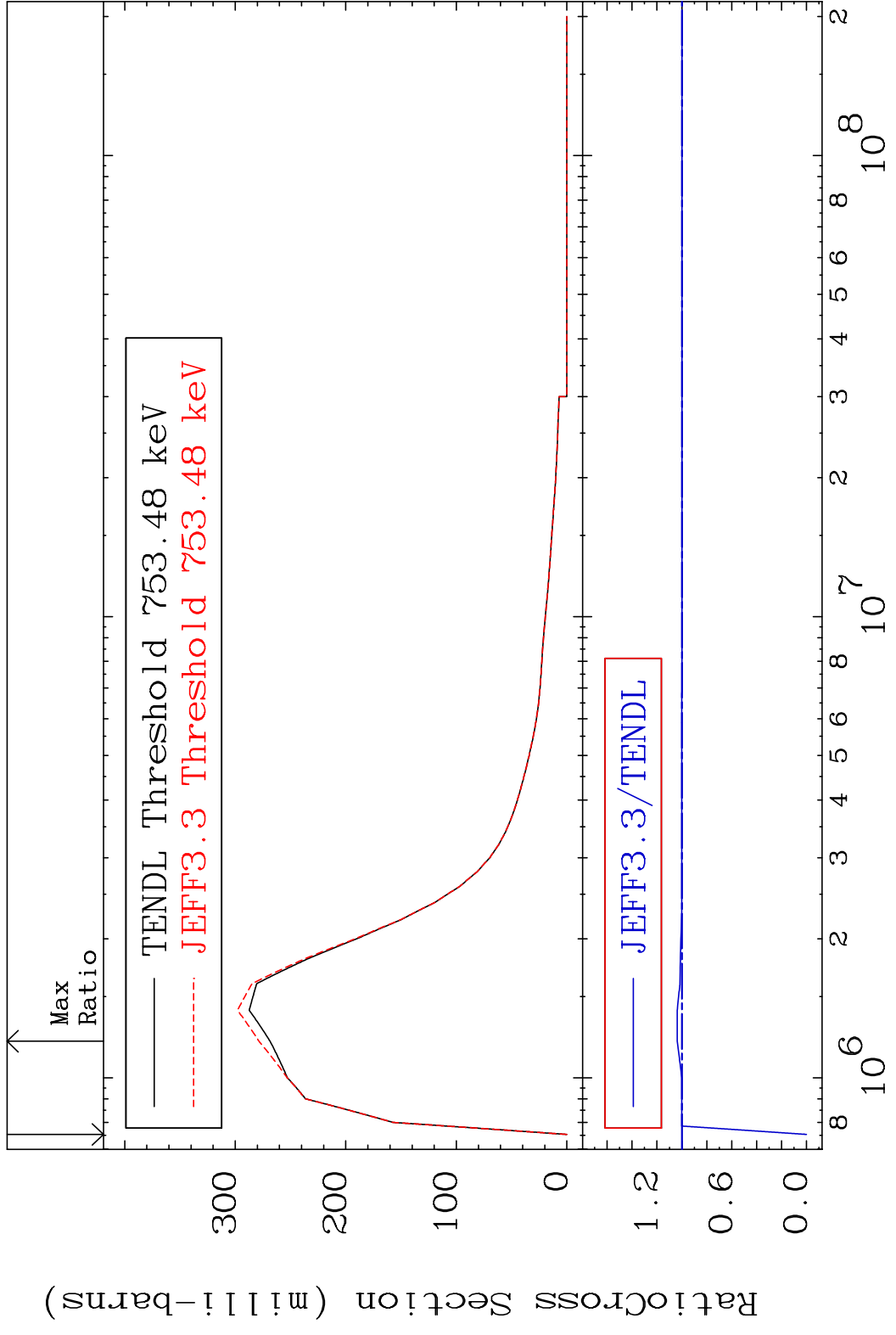
MAT 6034 MT= 52 (n,n') Level 60-Nd-145
 Cross Section -100.0 To 2.335 %



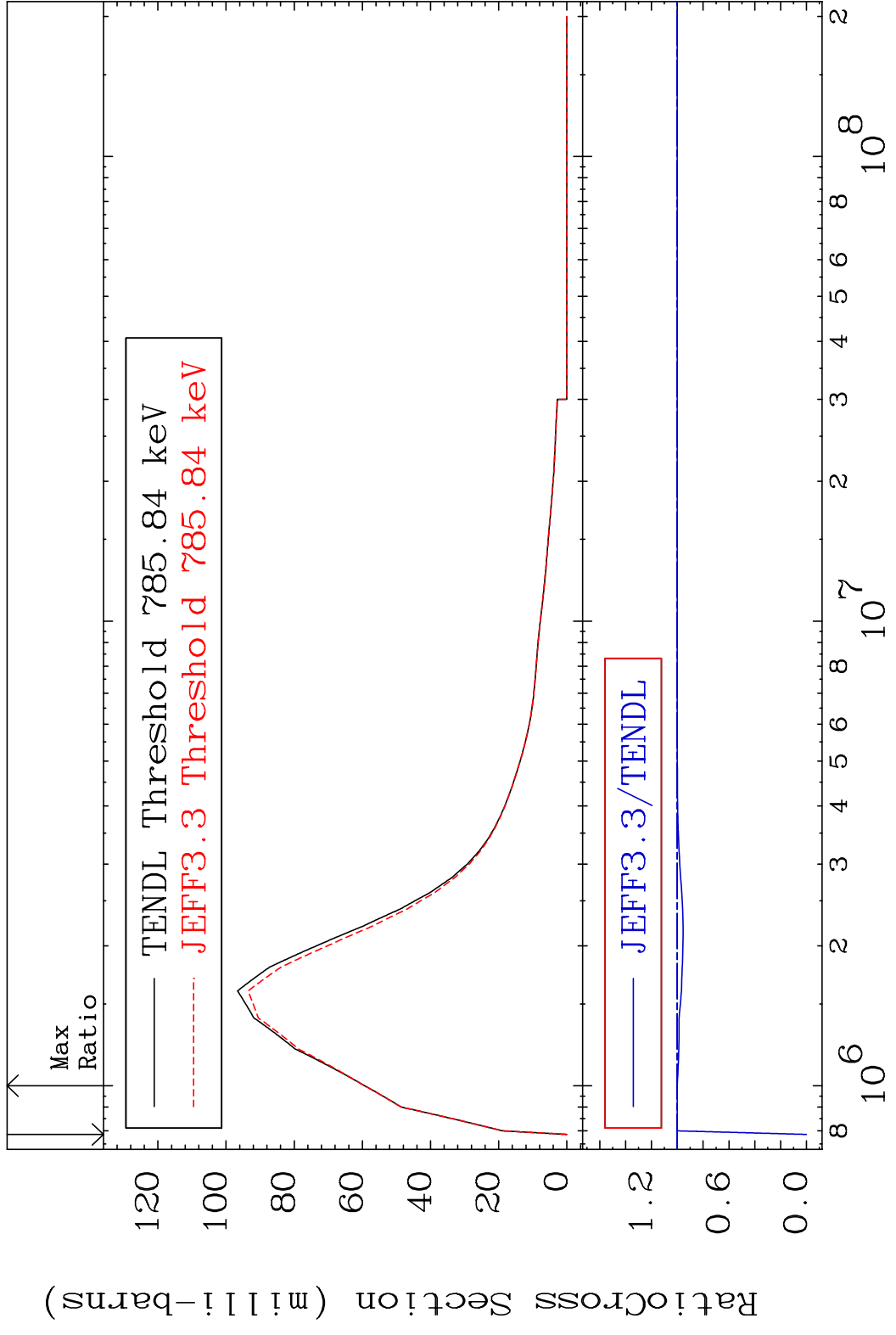
MAT 6034 MT= 53 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 2.667 %



MAT 6034 MT= 54 (n,n') Level 60-Nd-145
 Cross Section -100.0 To 3.758 %

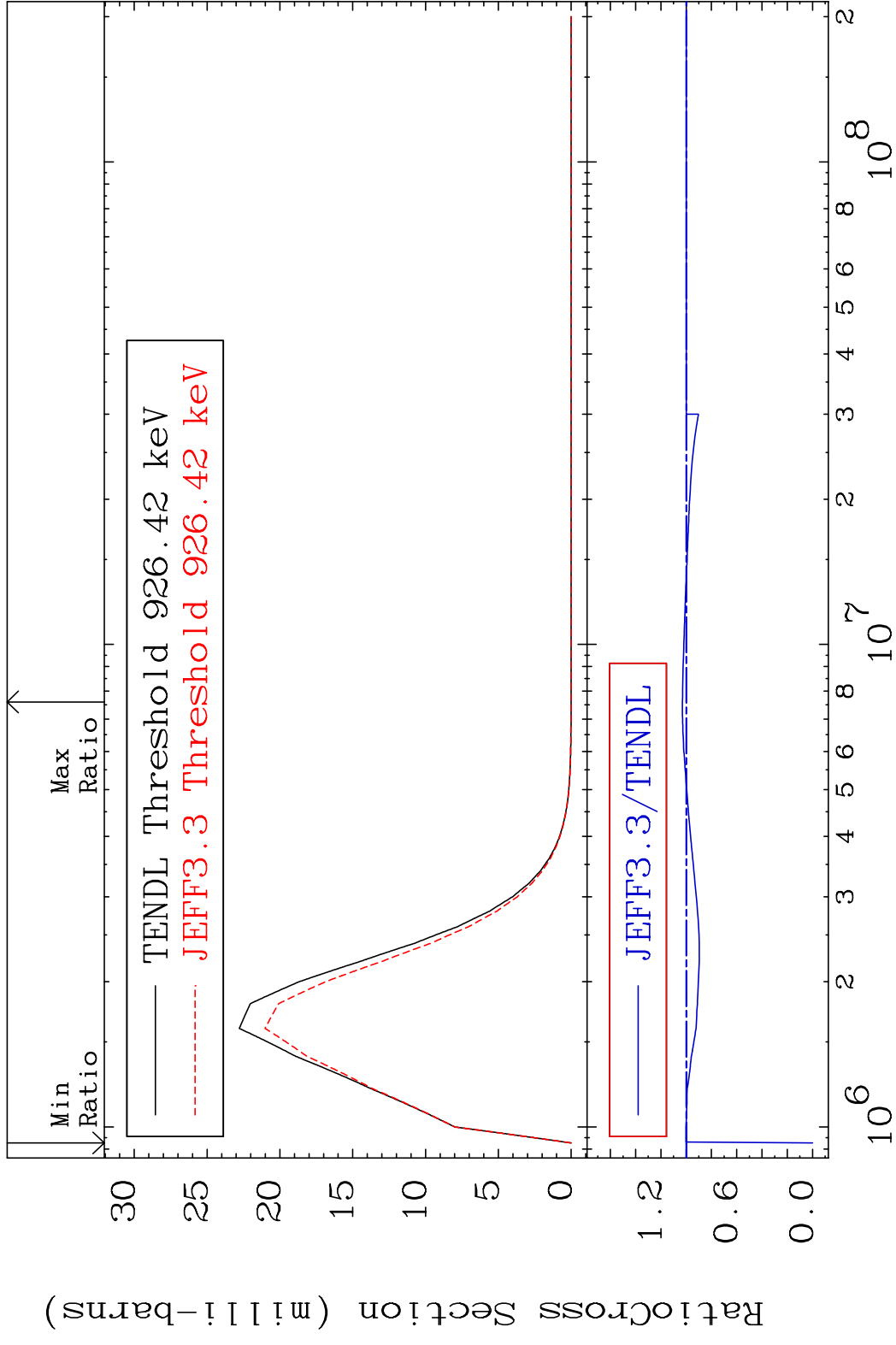


MAT 6034 MT= 55 (n,n') Level 60-Nd-145
 Cross Section -100.0 To 0.100 %



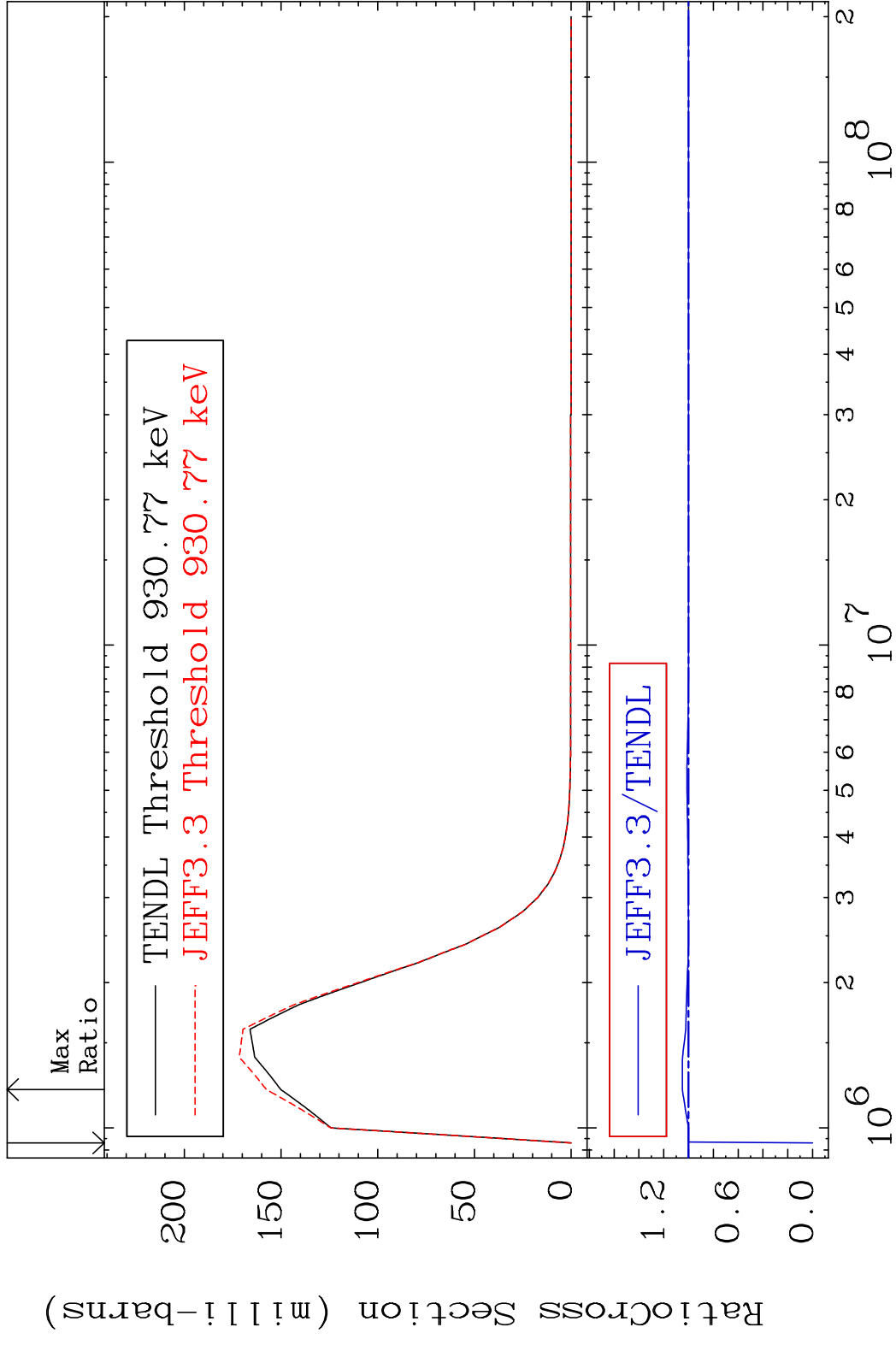
24 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 56 (n,n') Level 60-Nd-145
 Cross Section -100.0 To 3.026 %



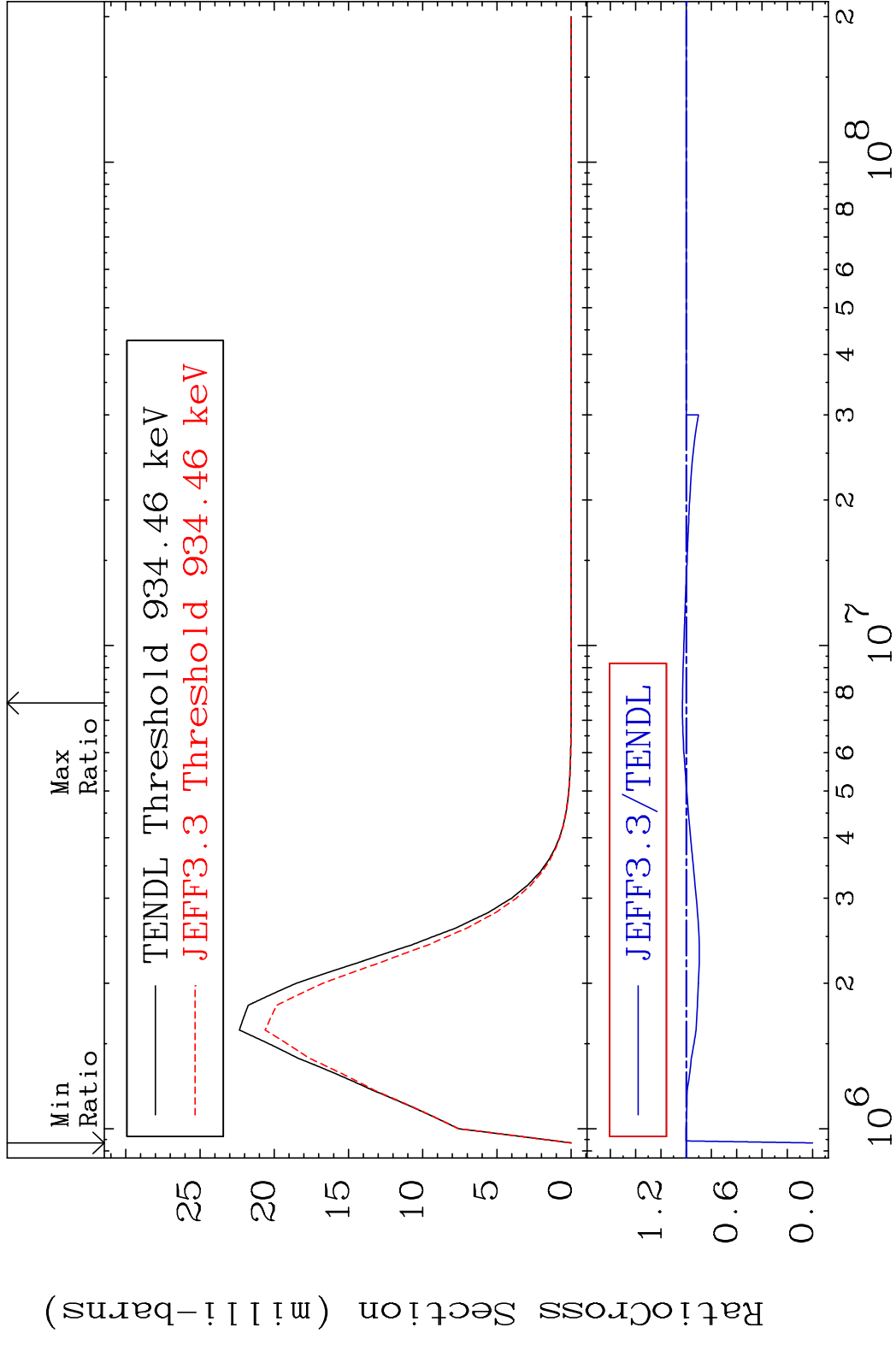
25 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 57 (n,n') Level 60-Nd-145
 Cross Section -100.0 To 4.994 %



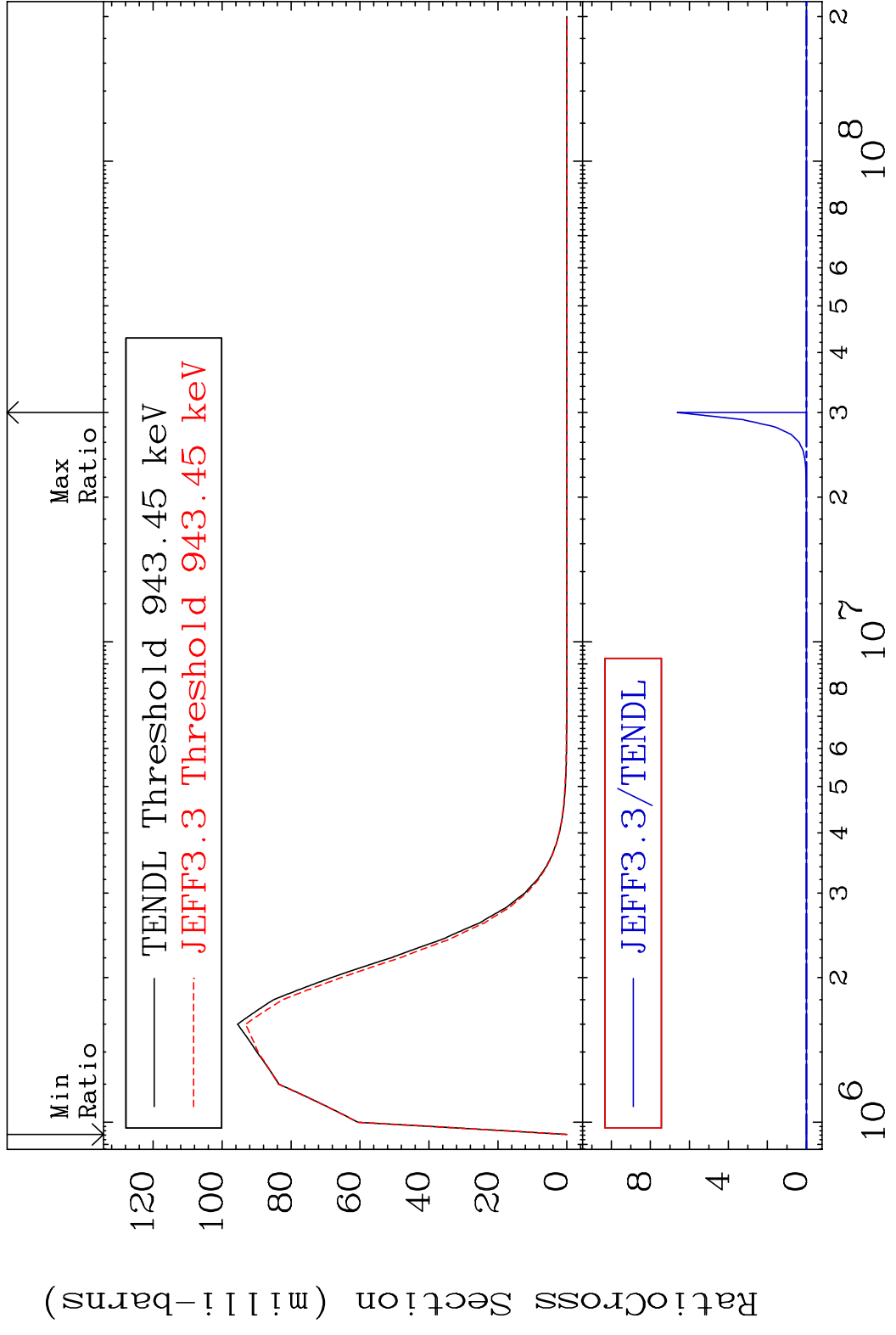
26 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 58 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 3.026 %



27 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 59 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 9999. %

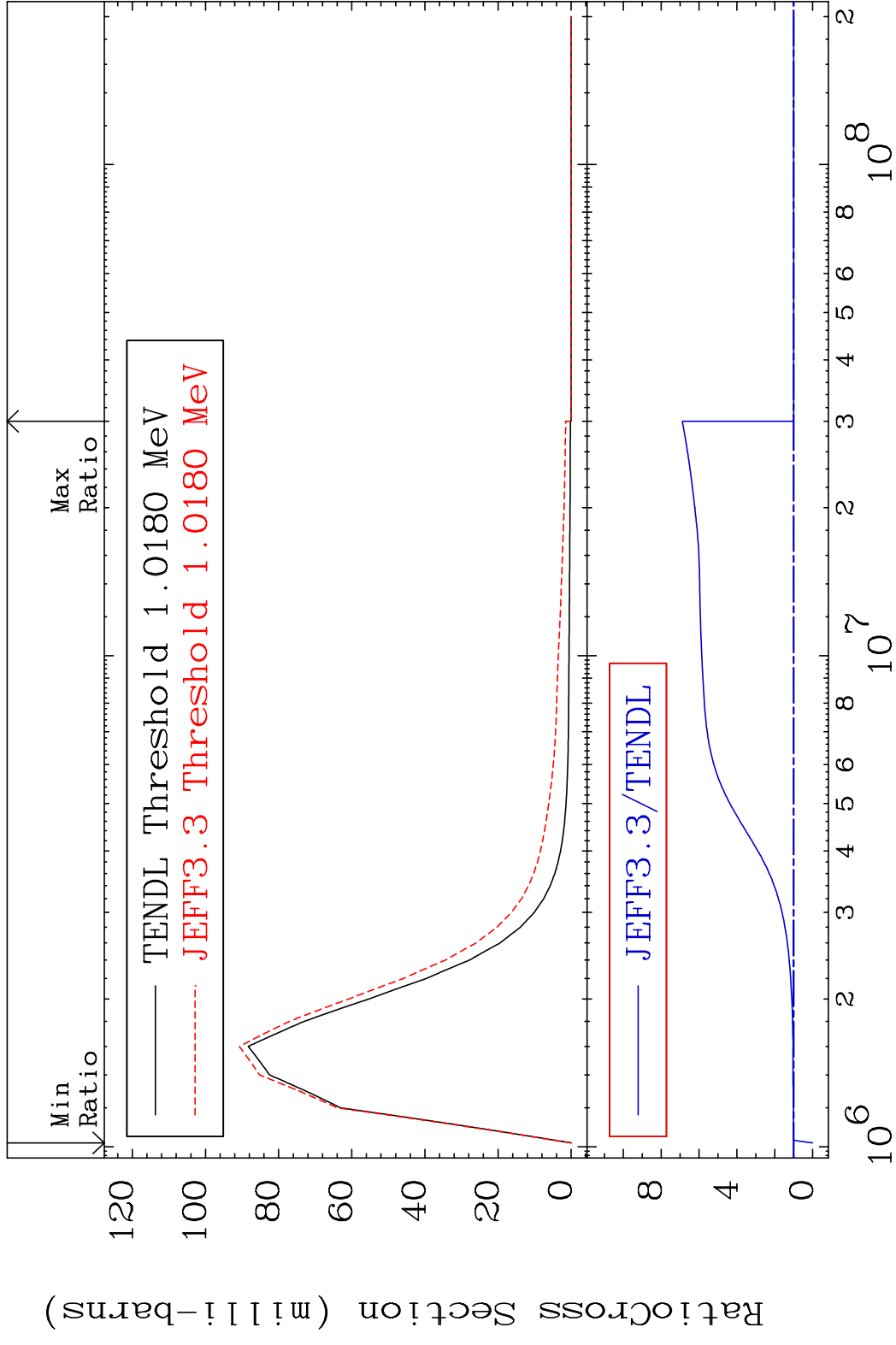


28

Incident Energy (eV)

60-Nd-145

MAT 6034 MT= 60 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 587.9 %

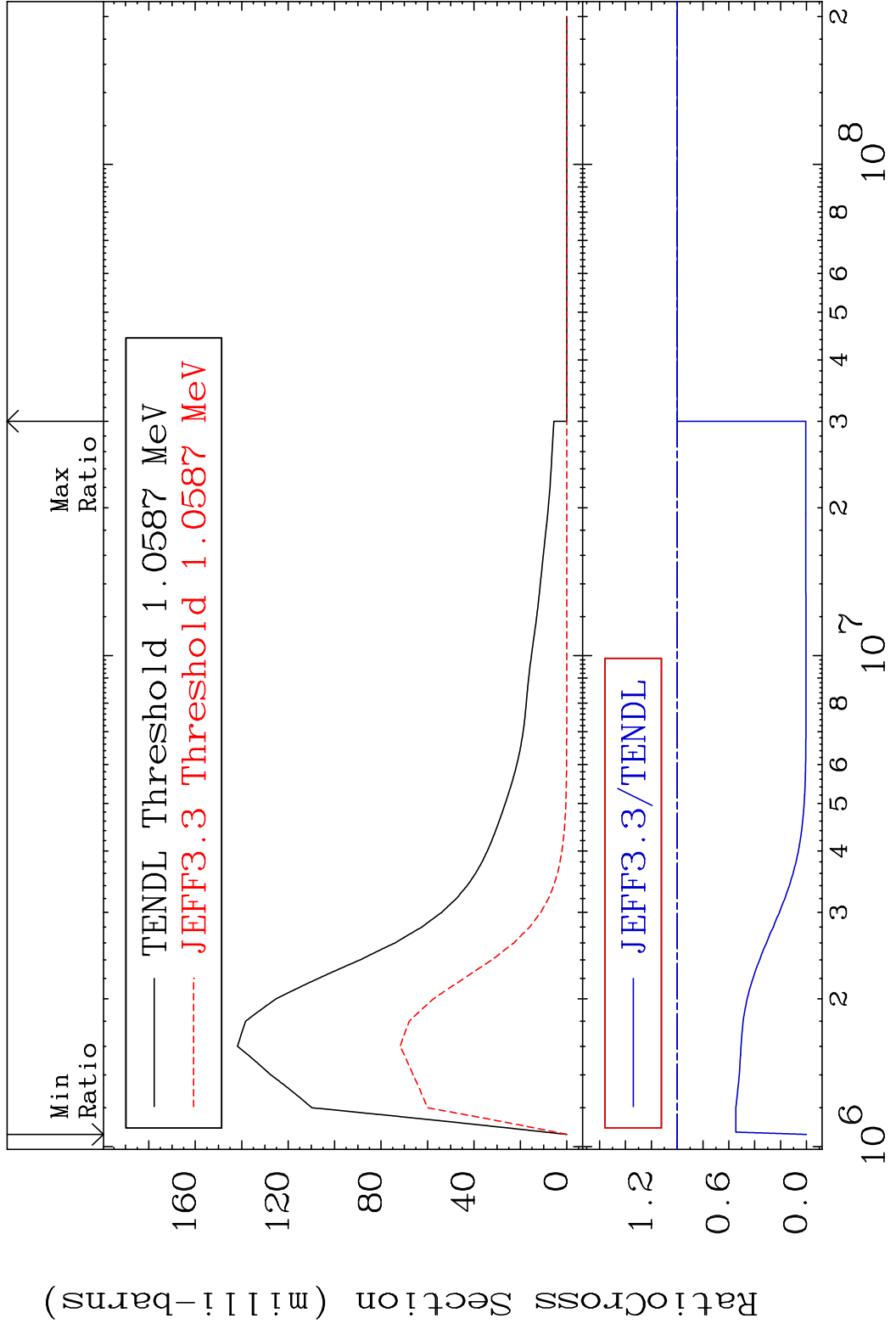


29

Incident Energy (eV)

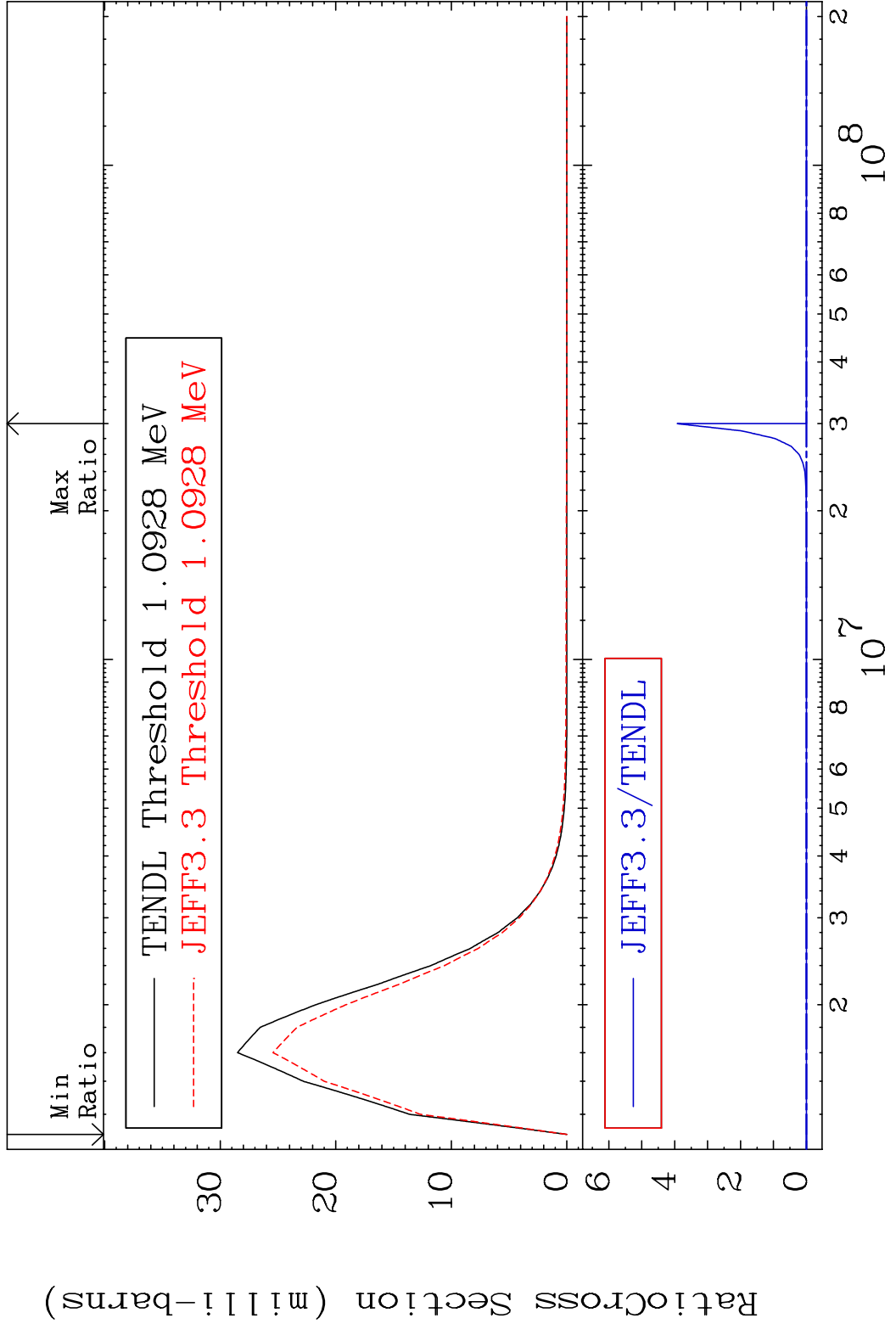
60-Nd-145

MAT 6034 MT= 61 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 0.000 %

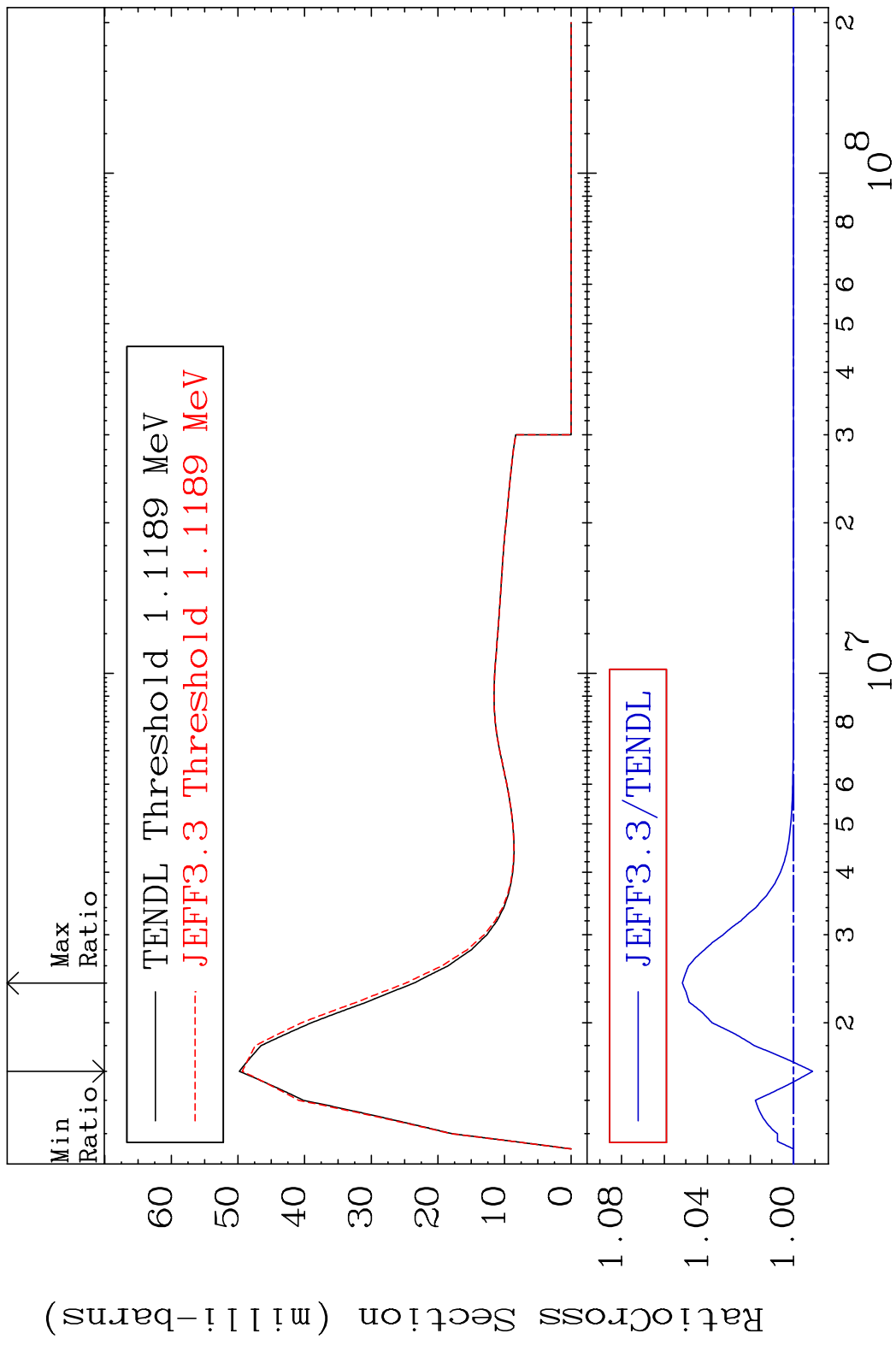


30 10⁶ 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 2

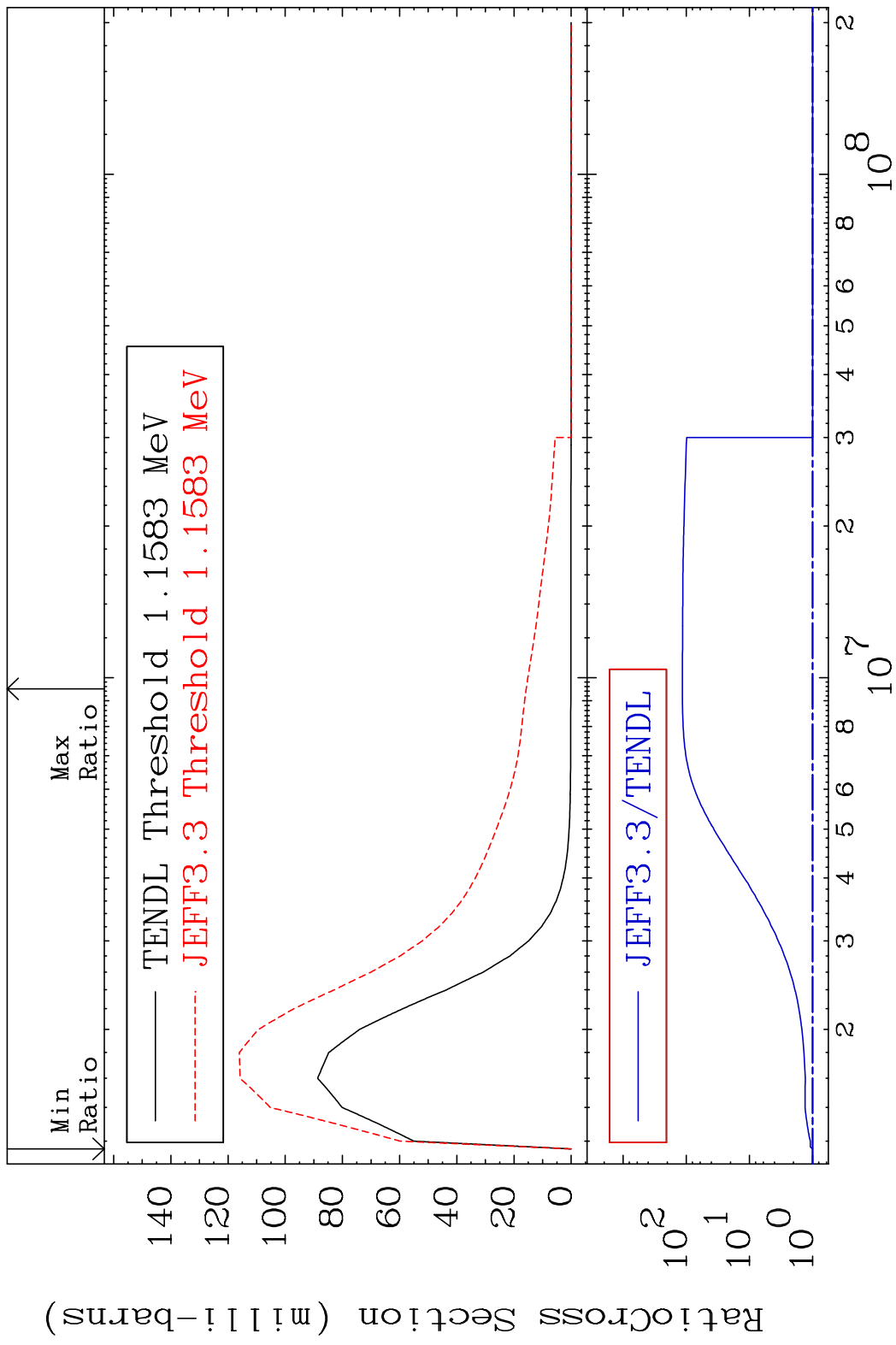
MAT 6034 MT= 62 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 9999. %



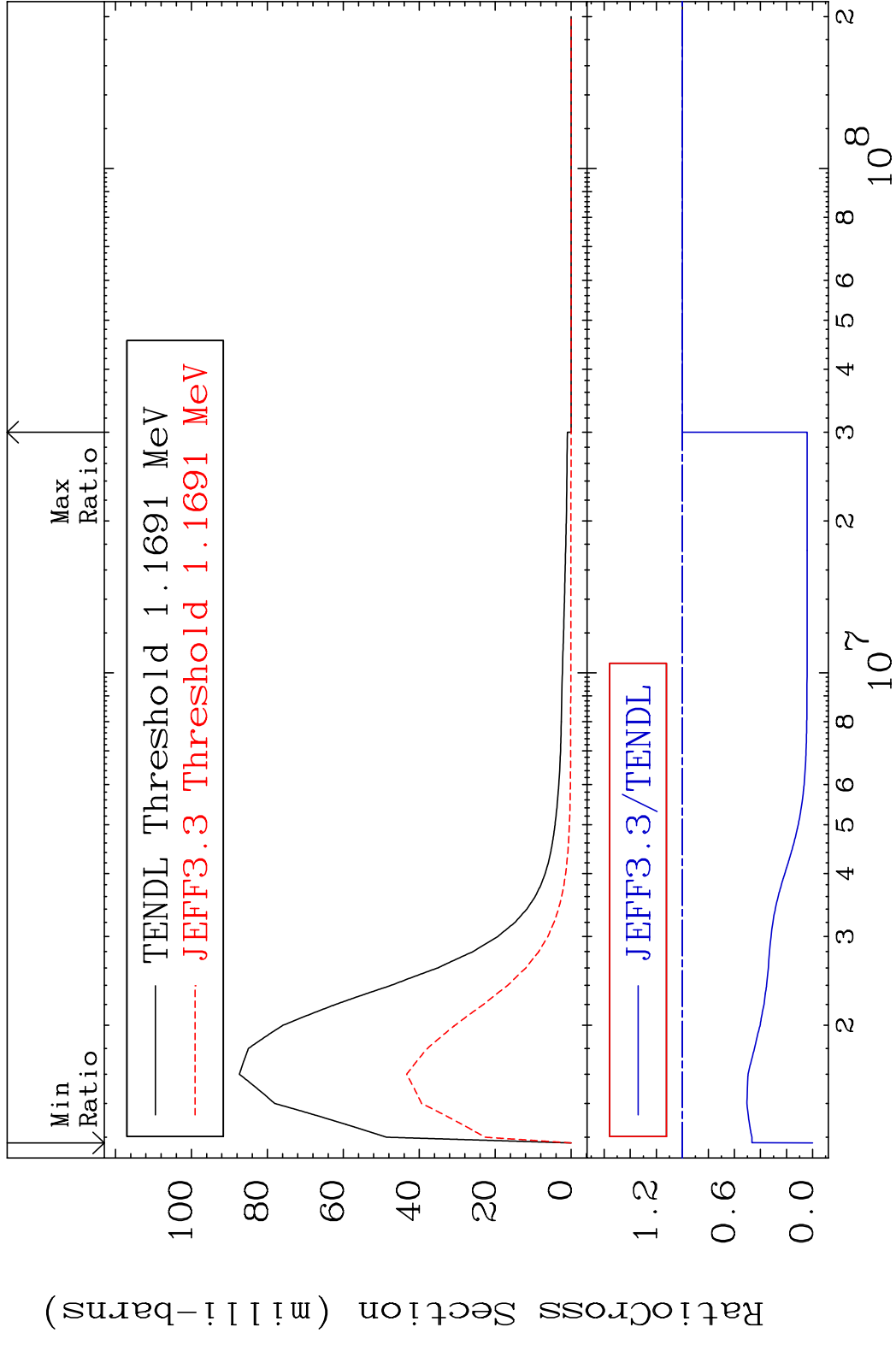
MAT 6034 MT= 63 (n,n') Level 60-Nd-145
 Cross Section -0.892 To 5.164 %



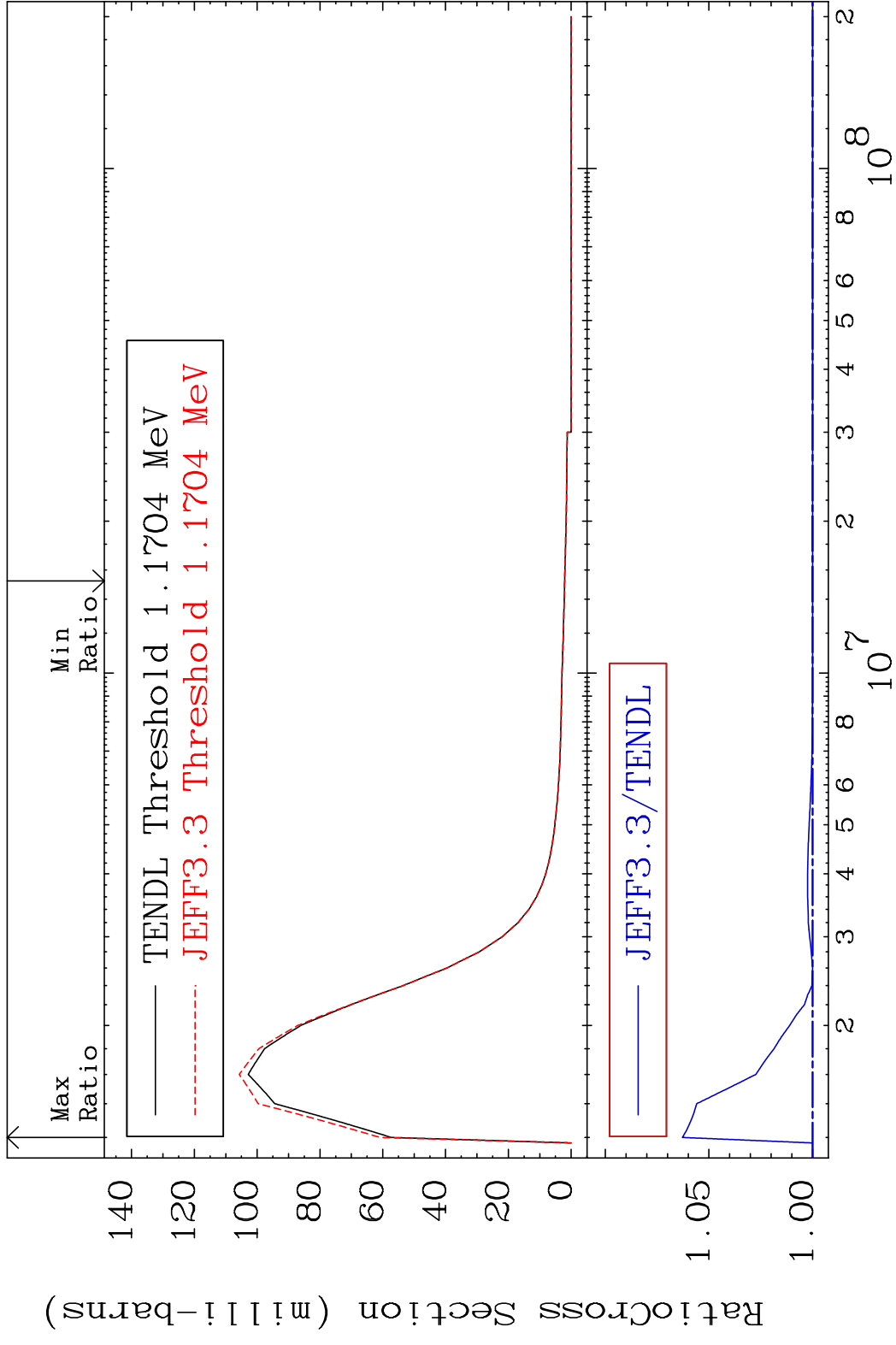
MAT 6034 MT= 64 (n,n') Level 60-Nd-145
 Cross Section 0.000 To 9999. %



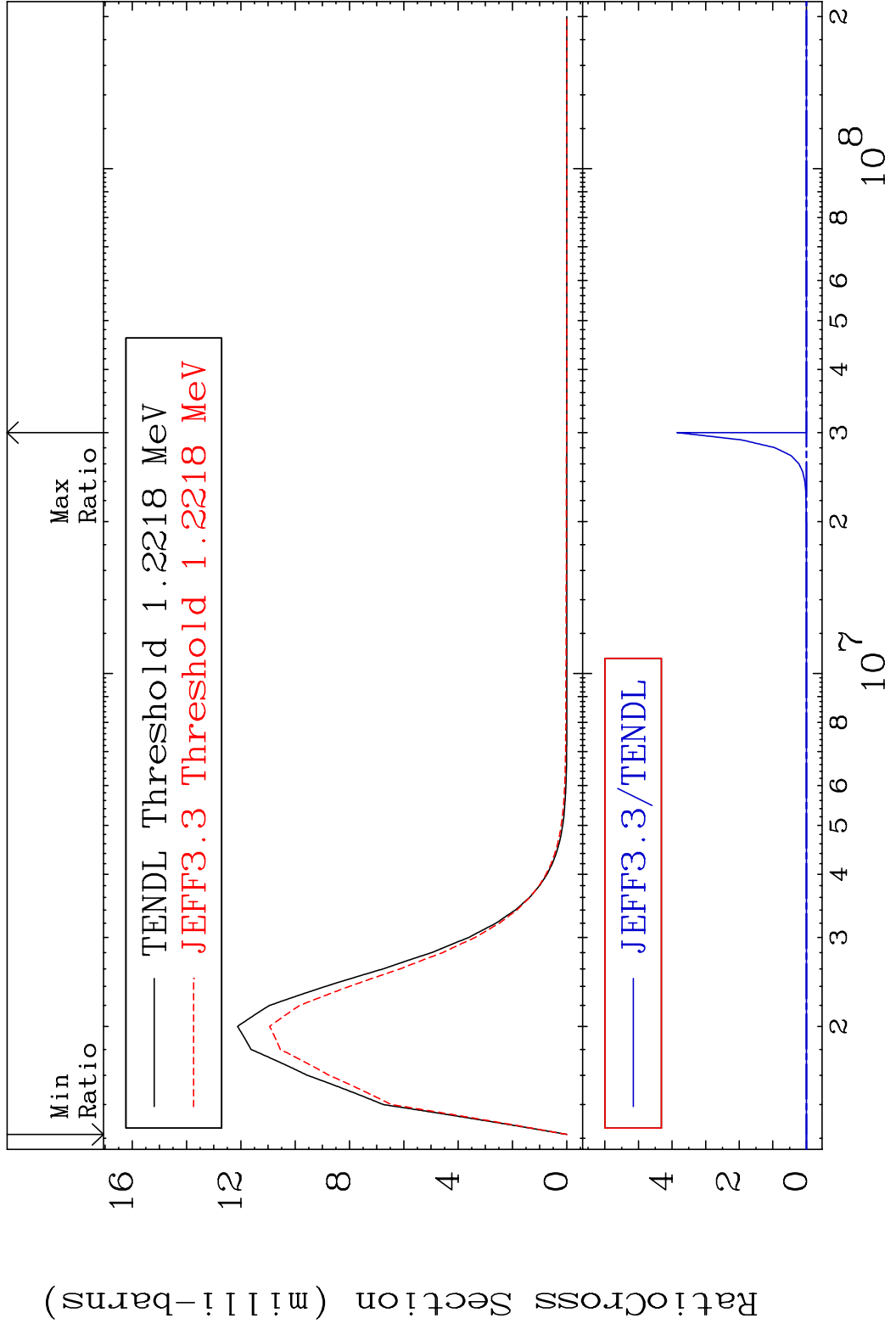
MAT 6034 MT= 65 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 0.000 %



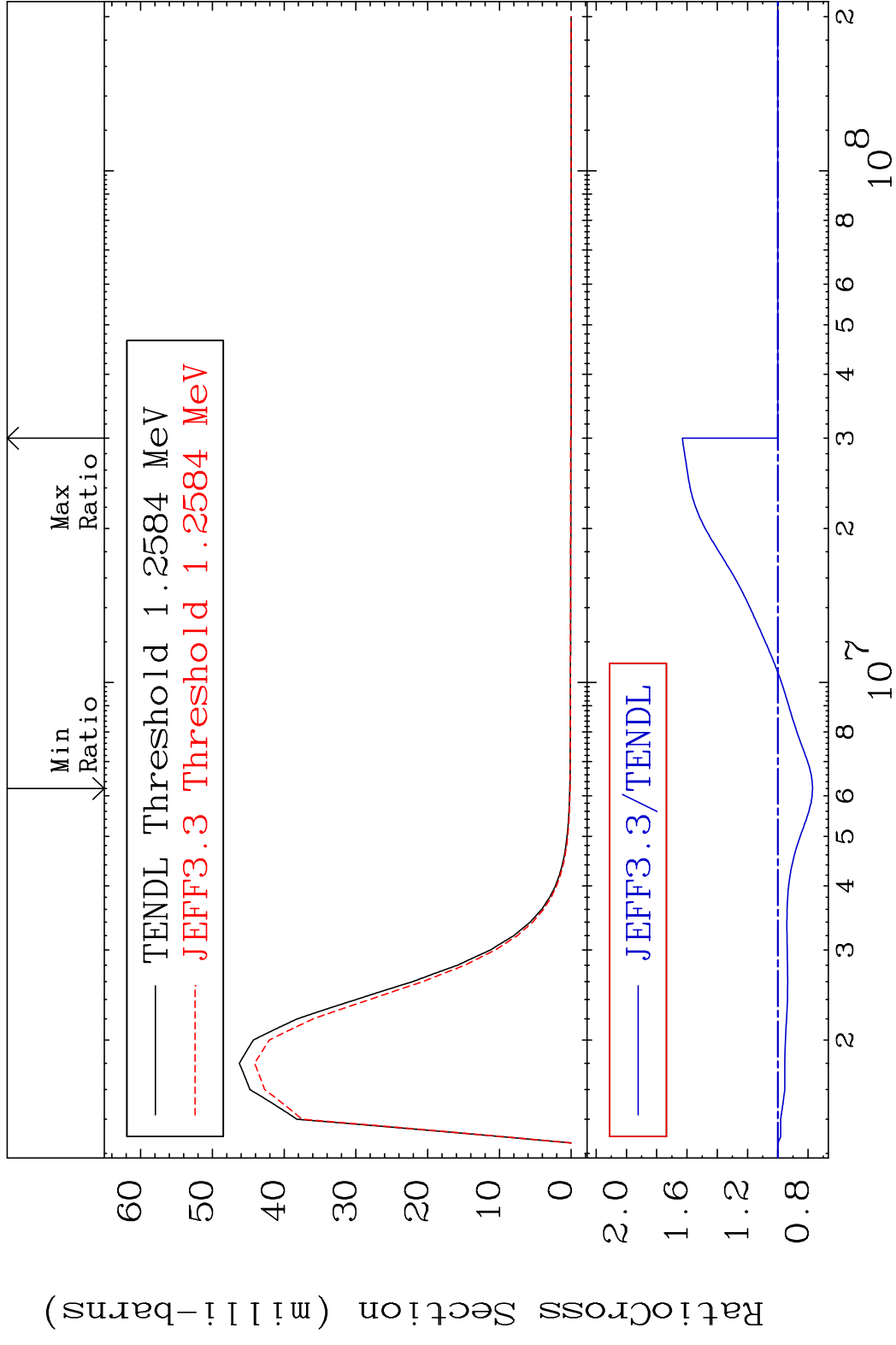
MAT 6034 MT= 66 (n, n') Level 60-Nd-145
 Cross Section 0.000 To 6.283 %



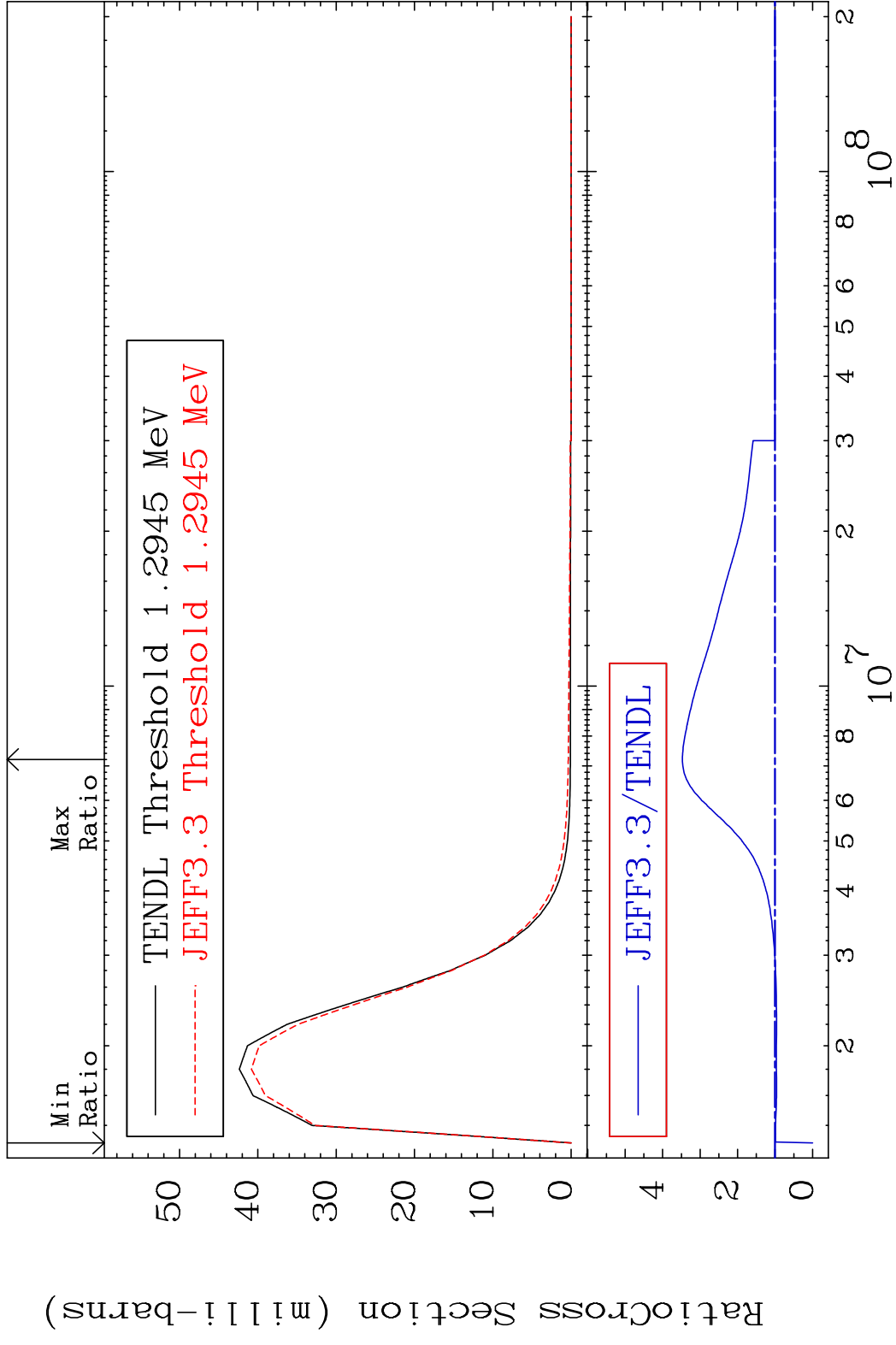
MAT 6034 MT= 67 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 9999. %



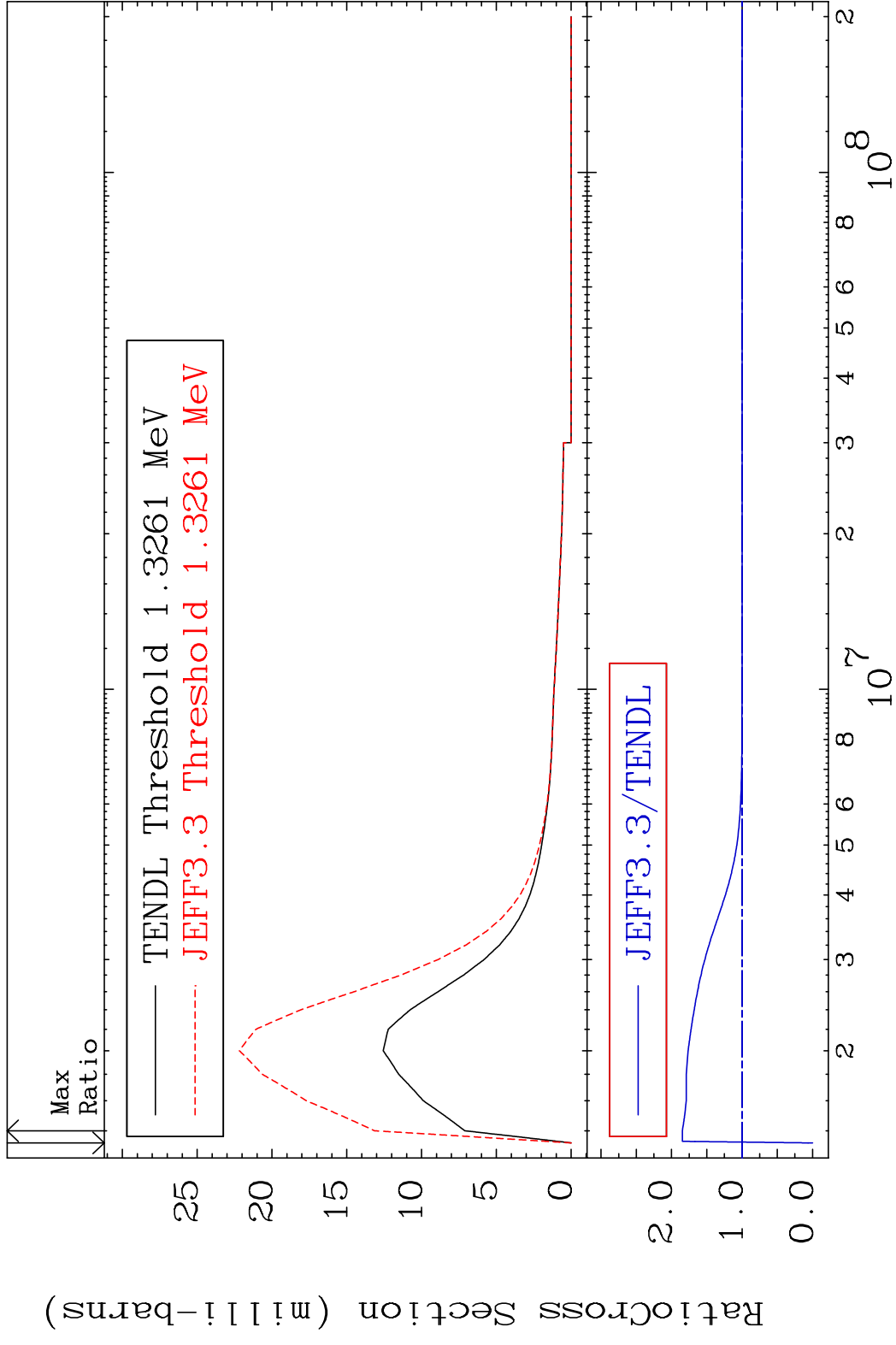
MAT 6034 MT= 68 (n,n') Level 60-Nd-145
 Cross Section -22.95 To 63.06 %



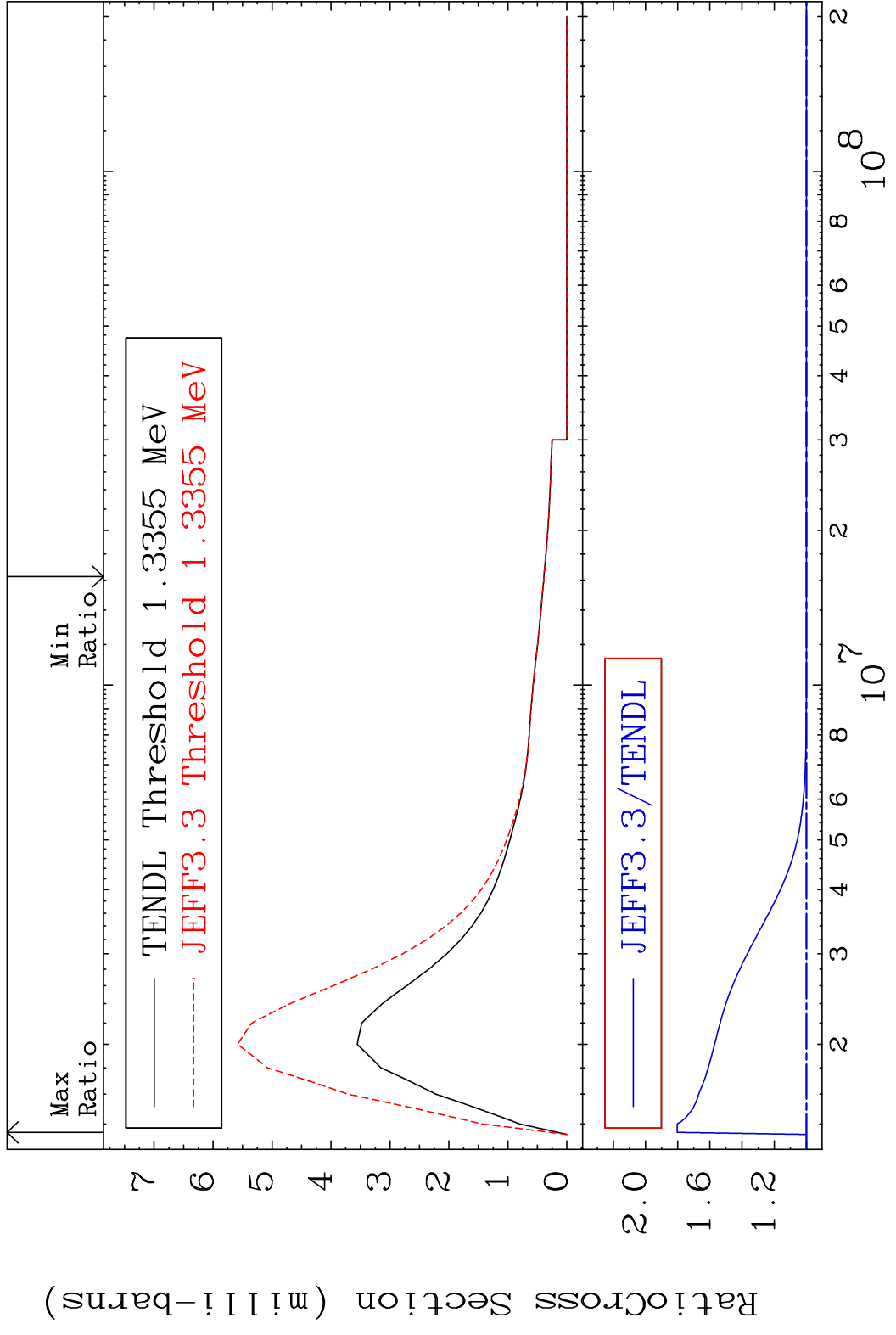
MAT 6034 MT= 69 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 247.4 %



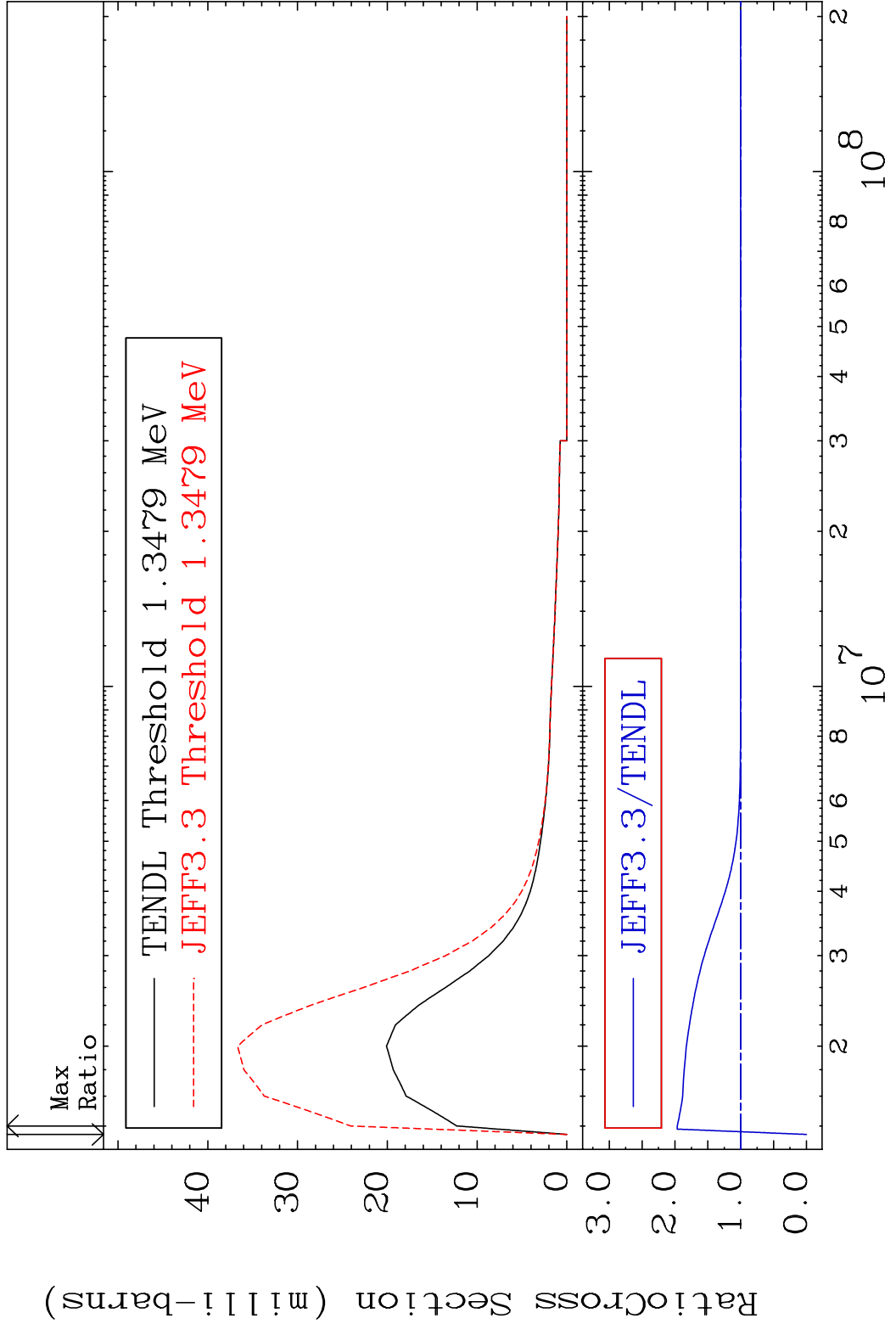
MAT 6034 MT= 70 (n,n') Level 60-Nd-145
 Cross Section -100.0 To 84.68 %



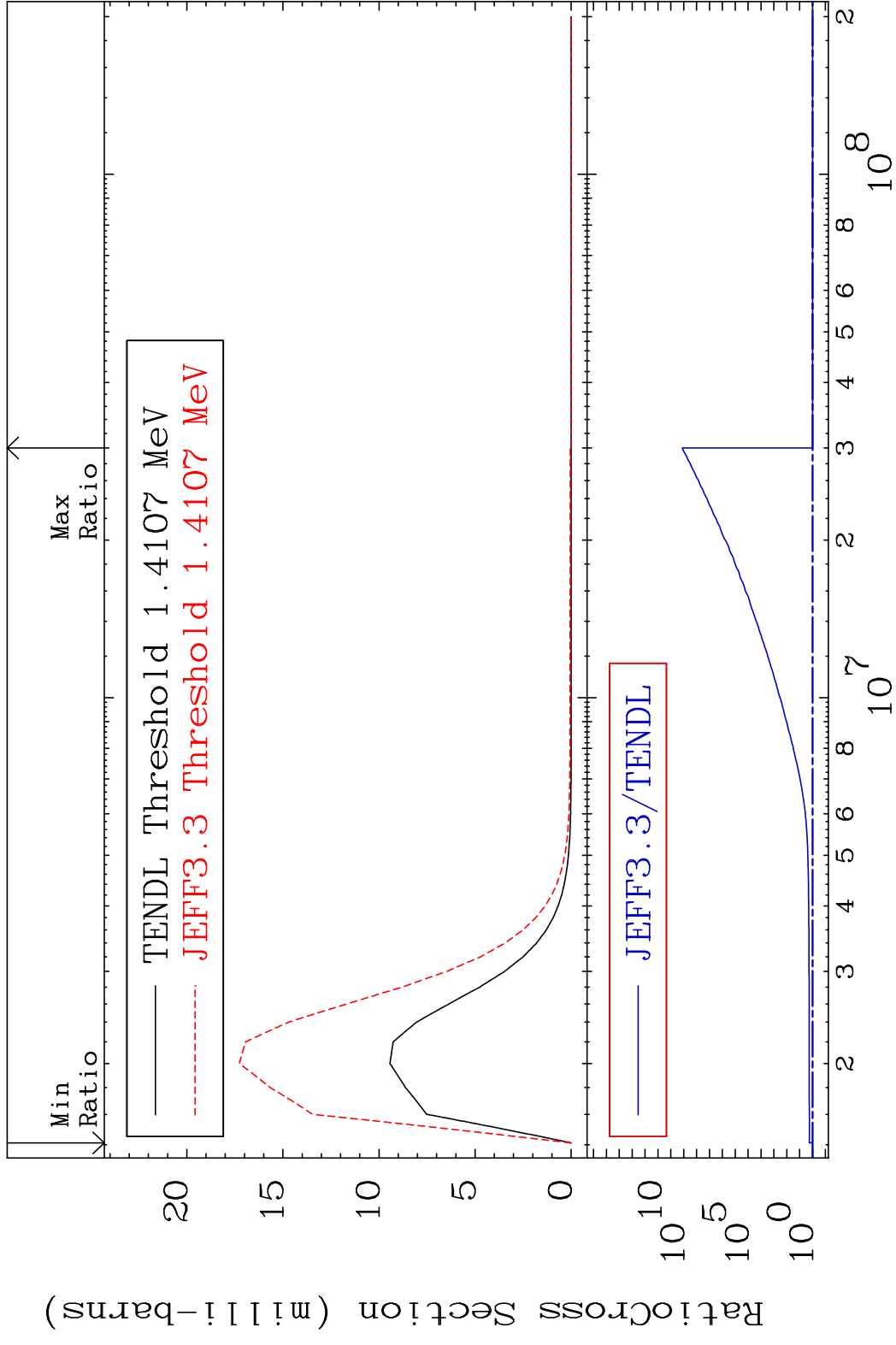
MAT 6034 MT= 71 (n, n') Level 60-Nd-145
 Cross Section 0.000 To 80.31 %



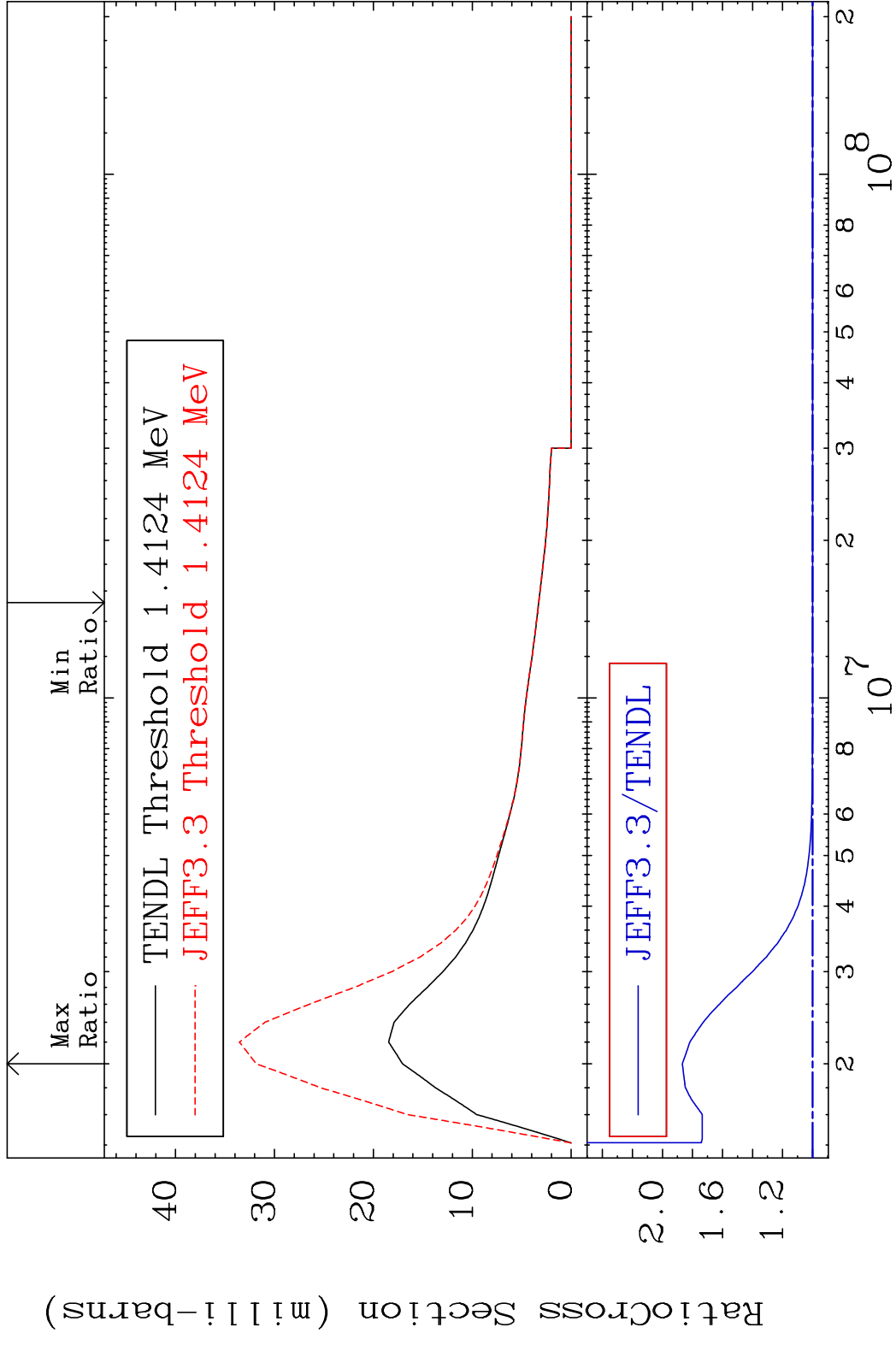
MAT 6034 MT= 72 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 96.59 %



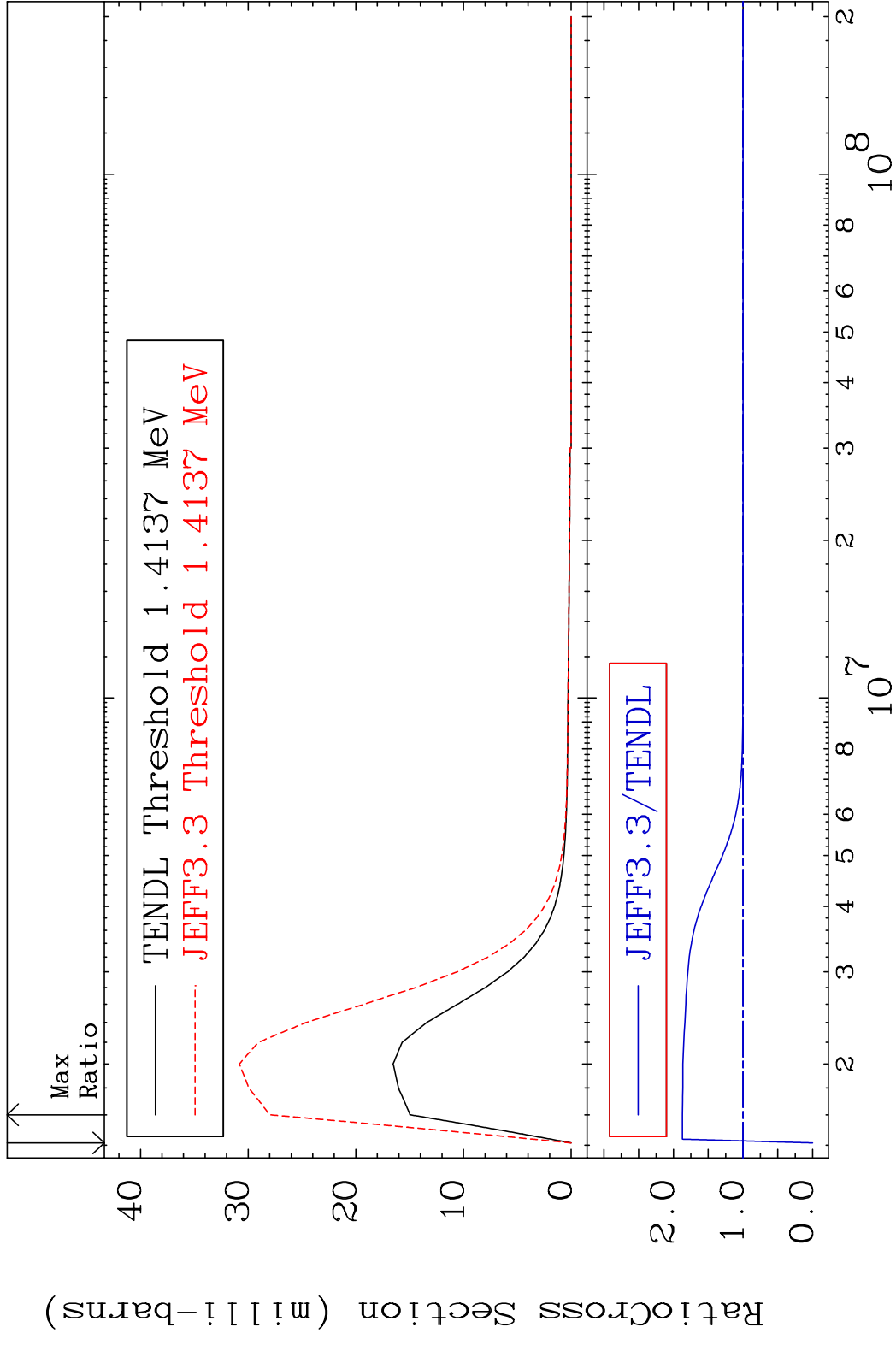
MAT 6034 MT= 73 (n, n') Level 60-Nd-145
 Cross Section 0.000 To 9999. %



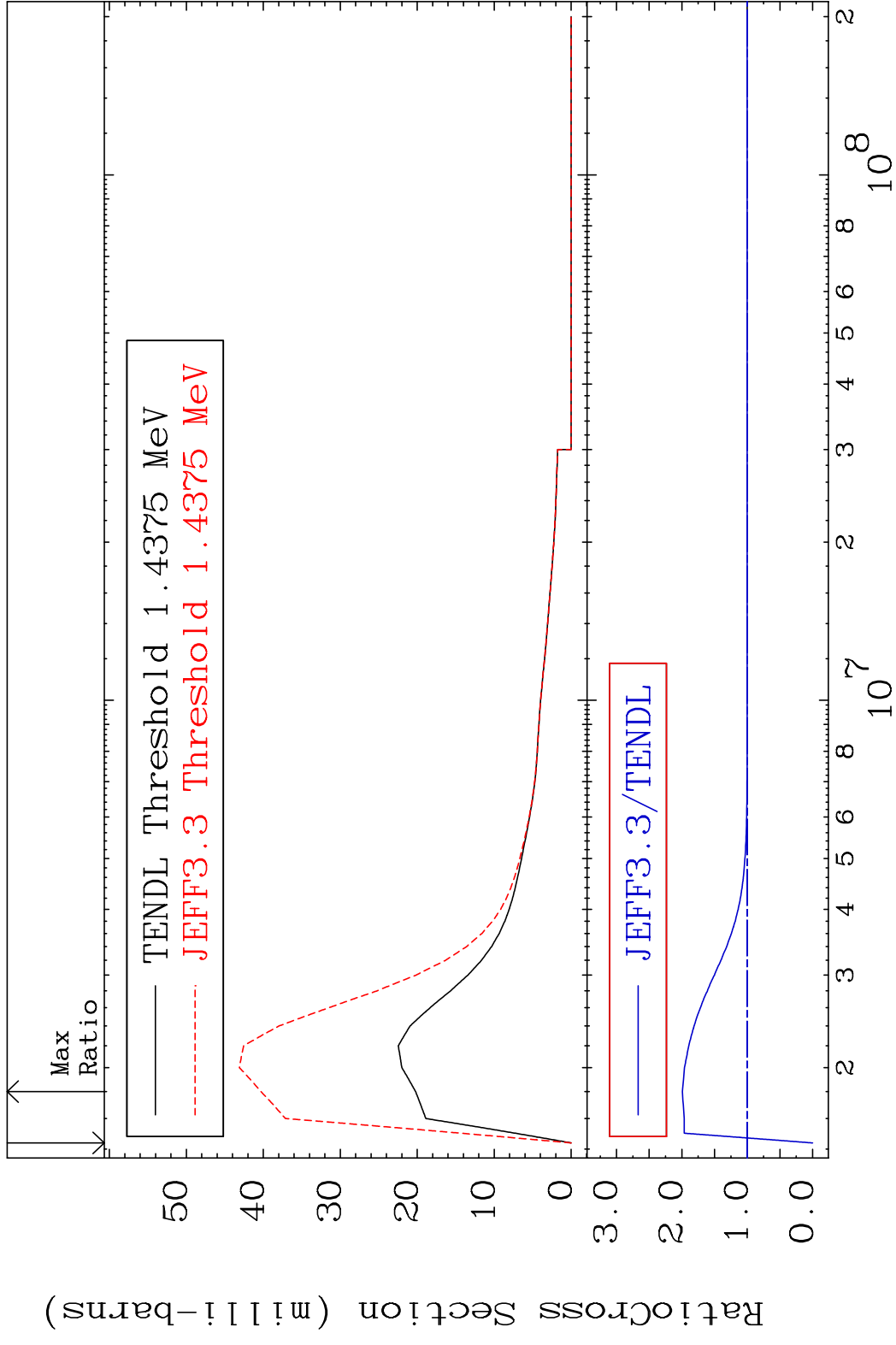
MAT 6034 MT= 74 (n, n') Level 60-Nd-145
 Cross Section 0.000 To 86.74 %



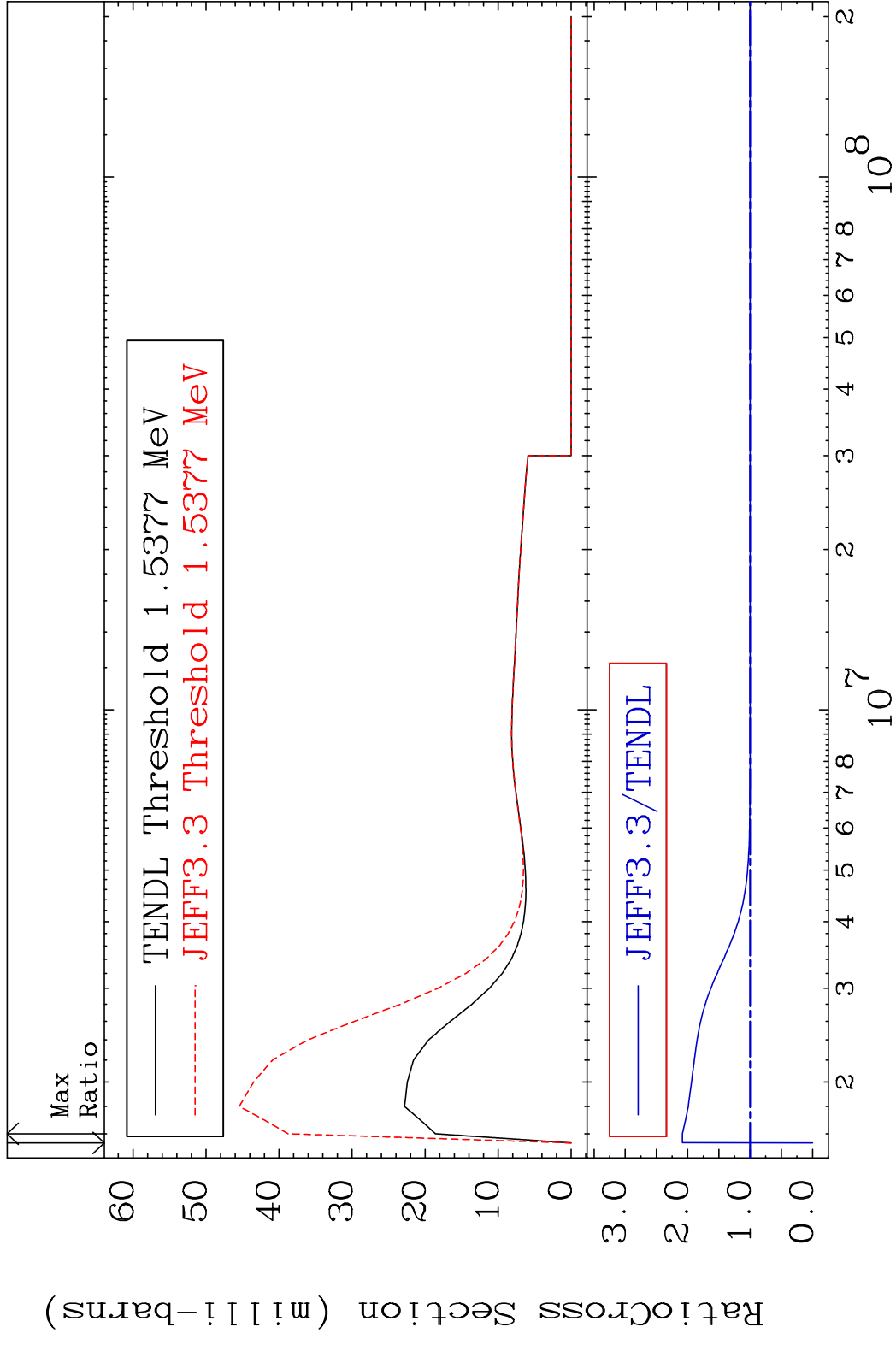
MAT 6034 MT= 75 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 87.19 %



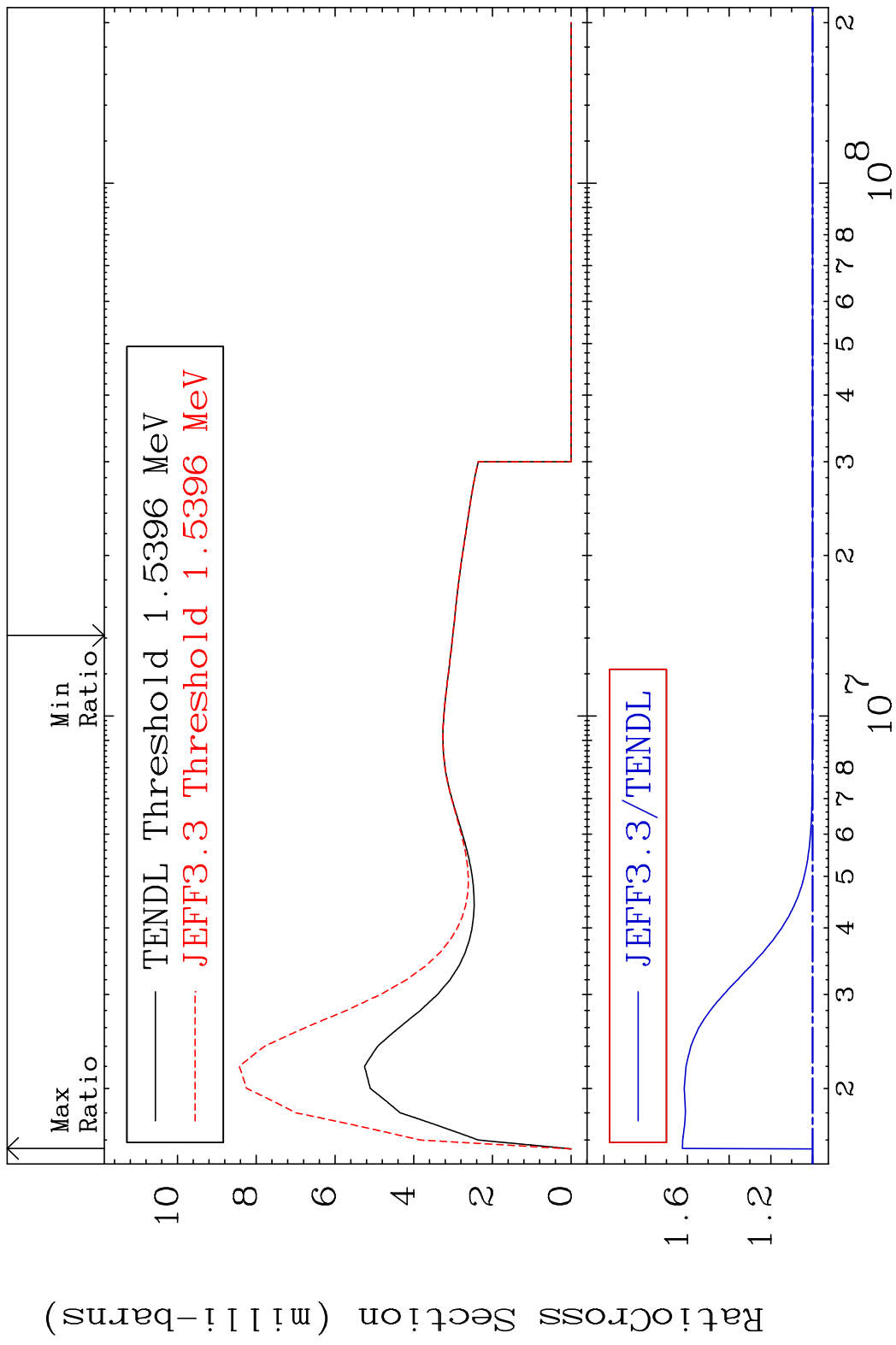
MAT 6034 MT= 76 (n,n') Level 60-Nd-145
 Cross Section -100.0 To 99.26 %



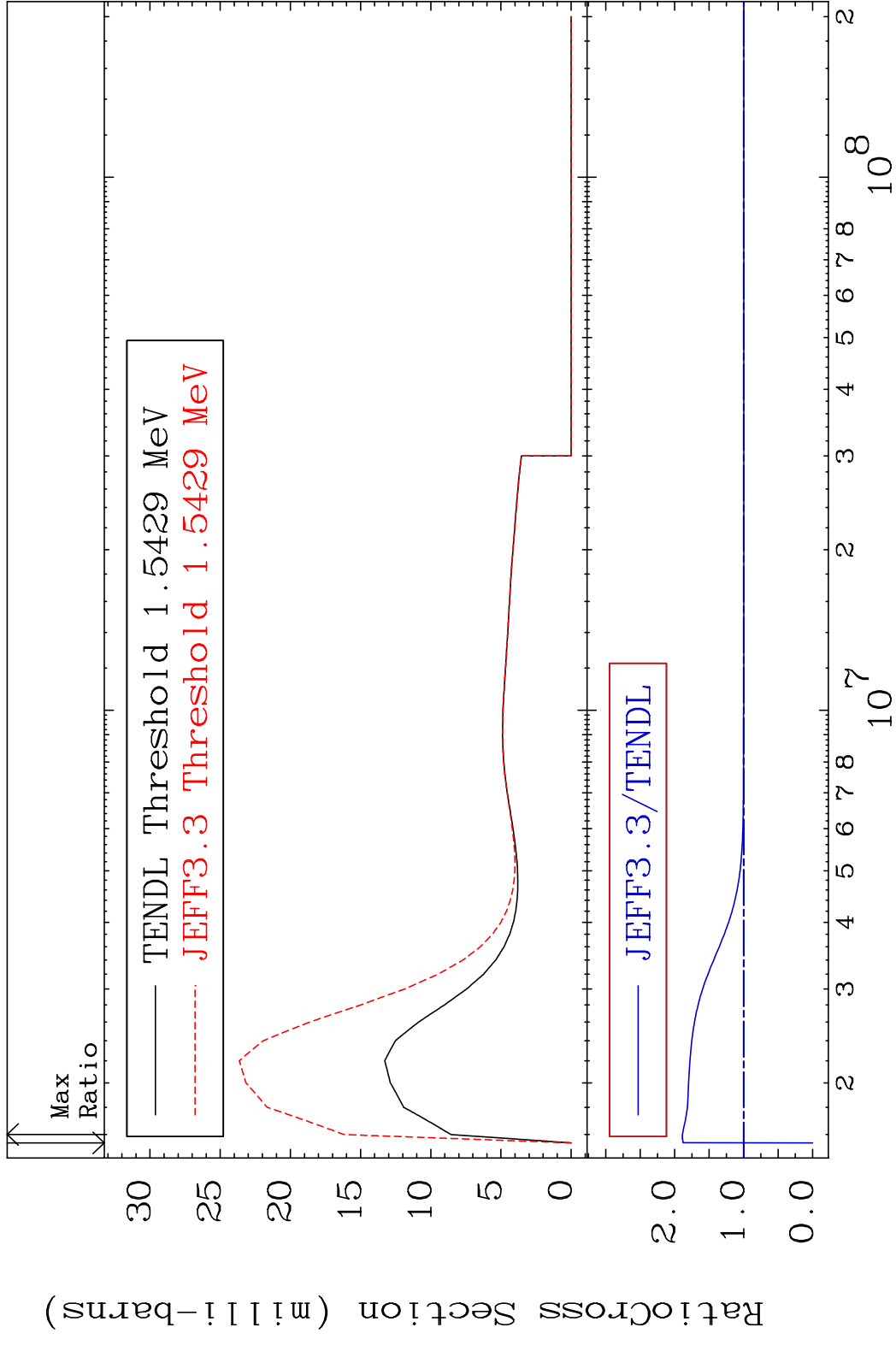
MAT 6034 MT= 77 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 108.5 %



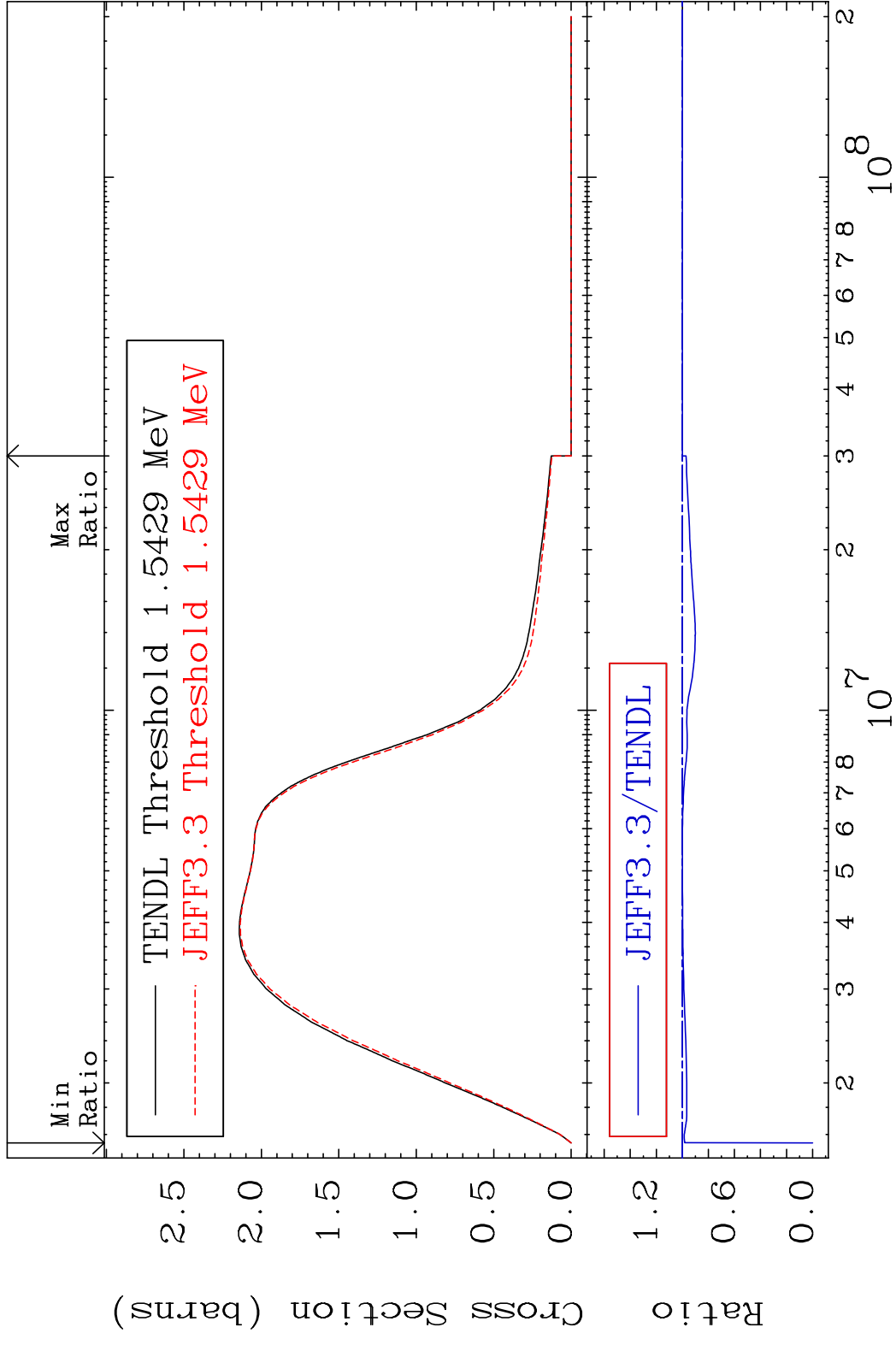
MAT 6034 MT= 78 (n, n') Level 60-Nd-145
 Cross Section 0.000 To 62.40 %



MAT 6034 MT= 79 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 88.89 %



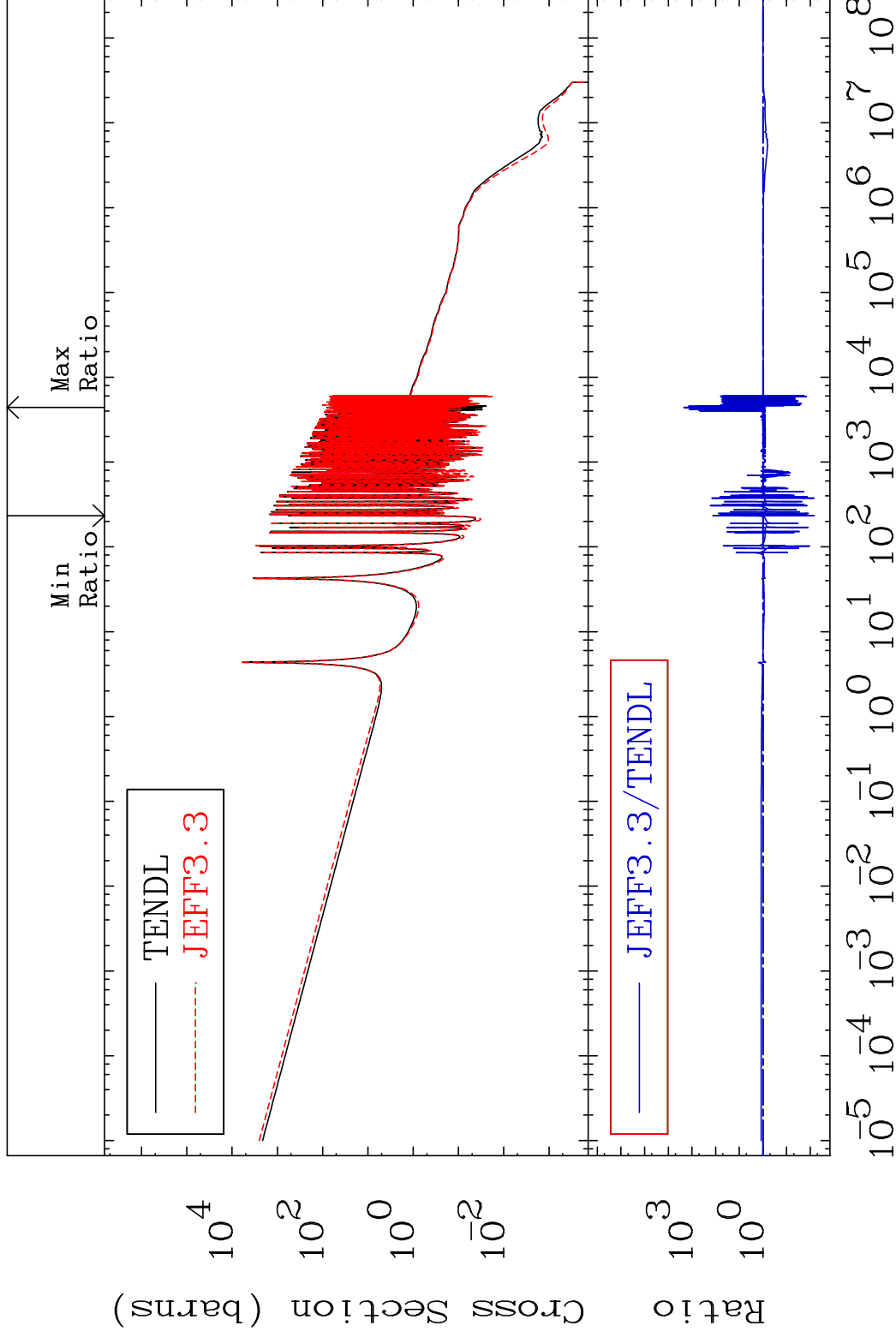
MAT 6034 (n, n') Continuum 60-Nd-145
 Cross Section -100.0 To 0.000 %



MAT 6034

(n, γ)
Cross Section -99.31 To 9999. %

60-Nd-145



50

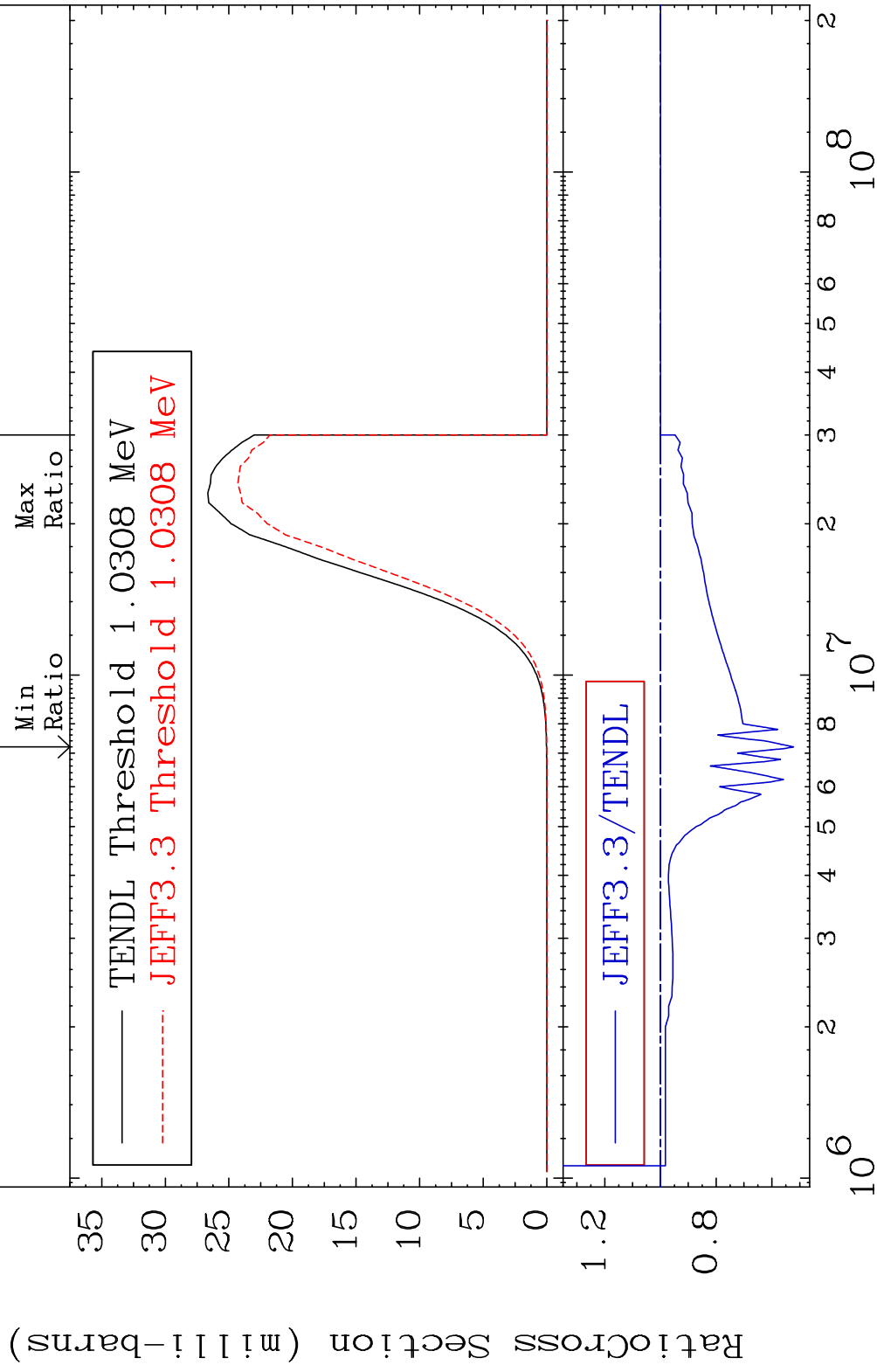
Incident Energy (eV)

60-Nd-145

MAT 6034

(n, p) 60-Nd-145

Cross Section -47.76 To 0.000 %



51

Incident Energy (eV)

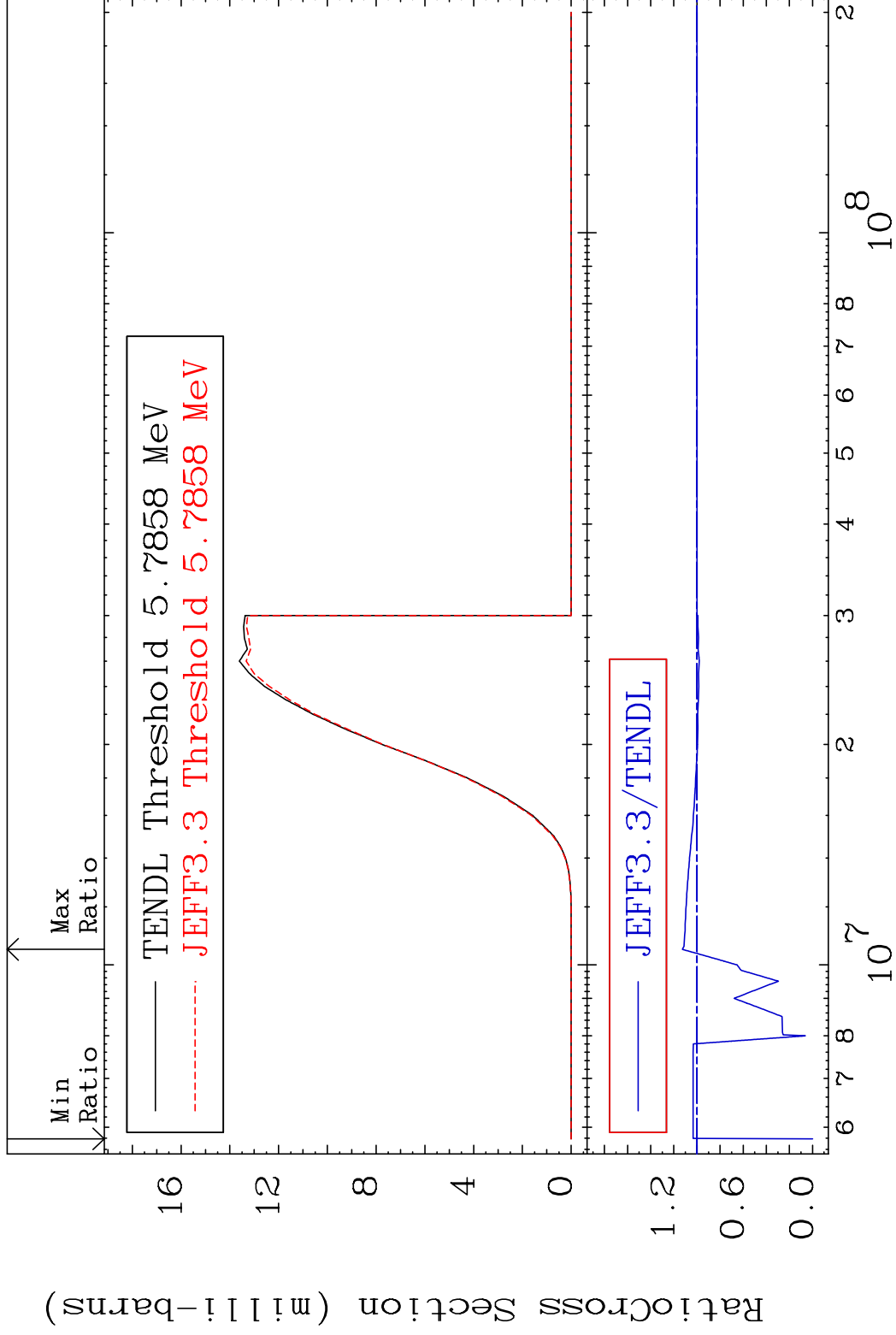
60-Nd-145

MAT 6034

(n,d)

60-Nd-145

Cross Section -100.0 To 12.62 %



52

Incident Energy (eV)

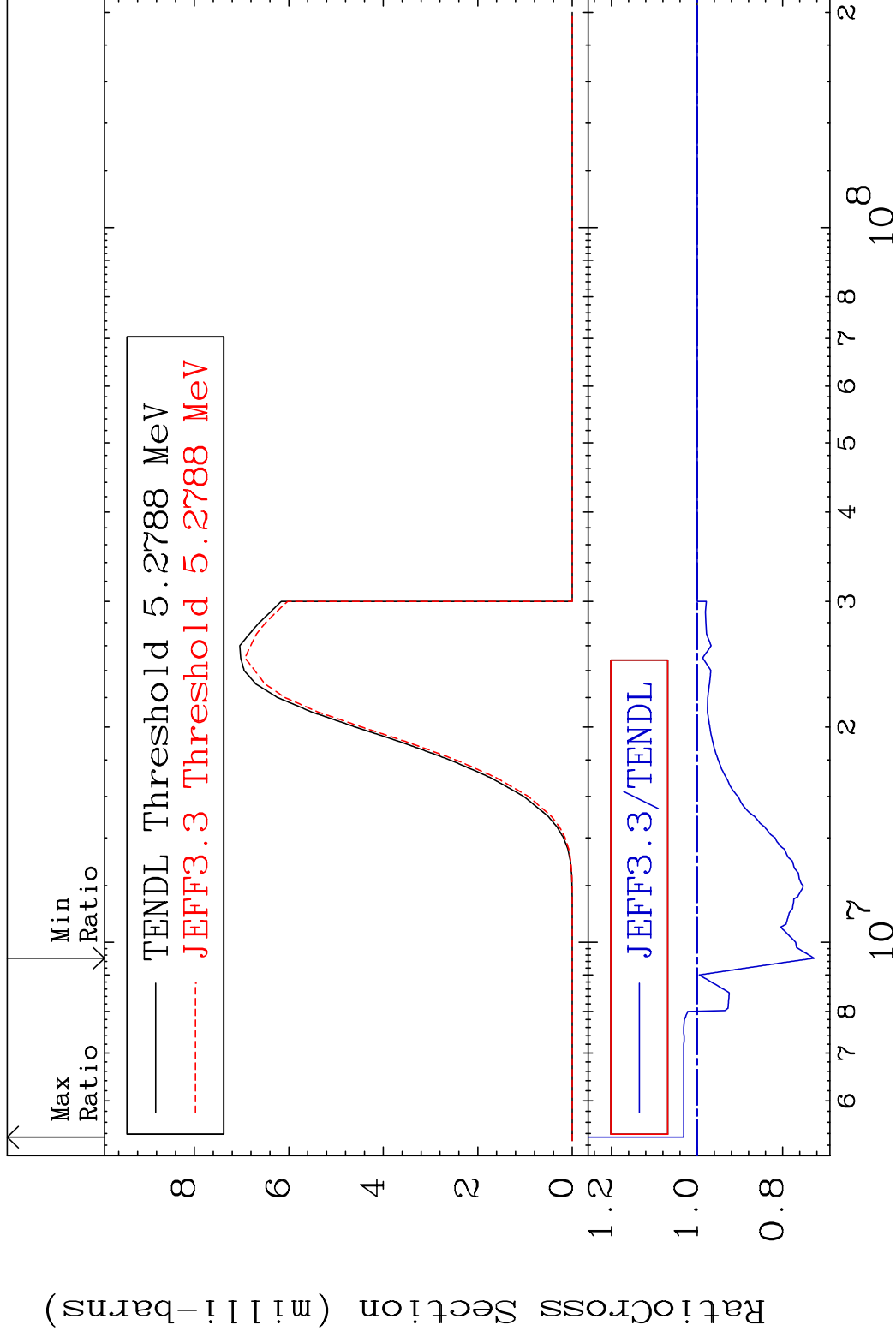
60-Nd-145

MAT 6034

(n, t)

60-Nd-145

Cross Section -27.34 To 3.144 %



53

Incident Energy (eV)

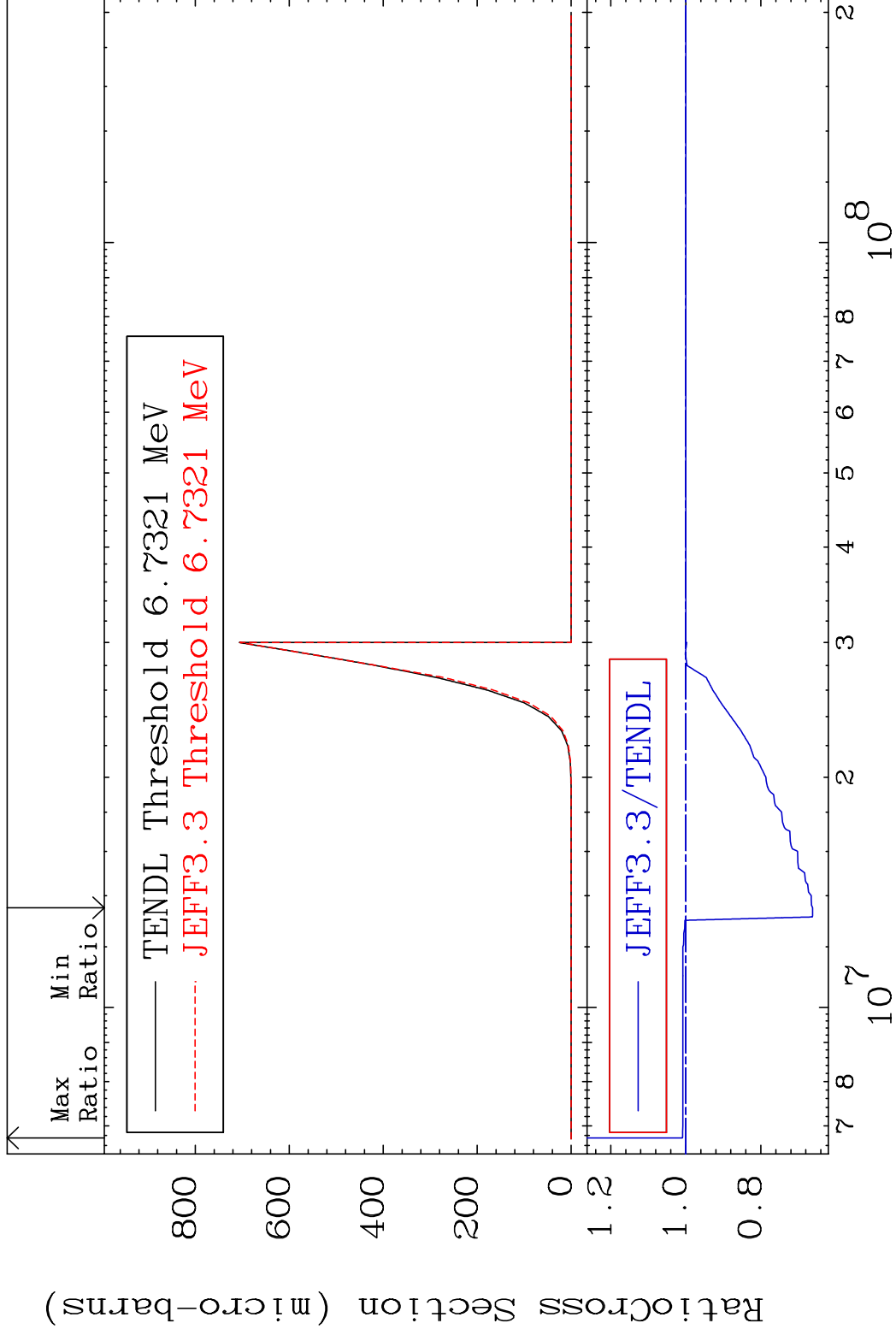
60-Nd-145

MAT 6034

(n, He-3)

60-Nd-145

Cross Section -33.78 To 0.915 %



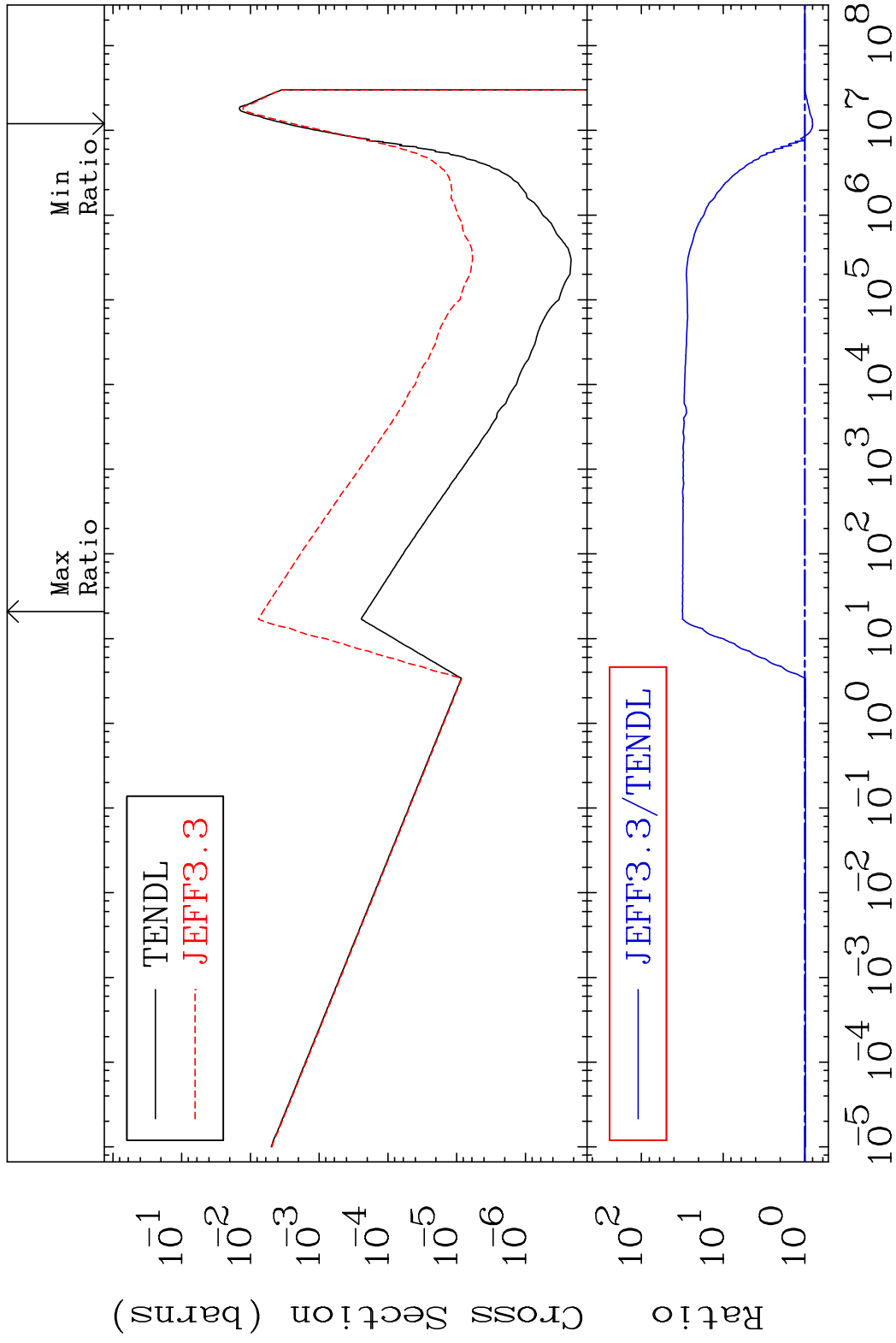
54

Incident Energy (eV)

60-Nd-145

MAT 6034

(n, α)
Cross Section -19.72 To 3055. %
60-Nd-145

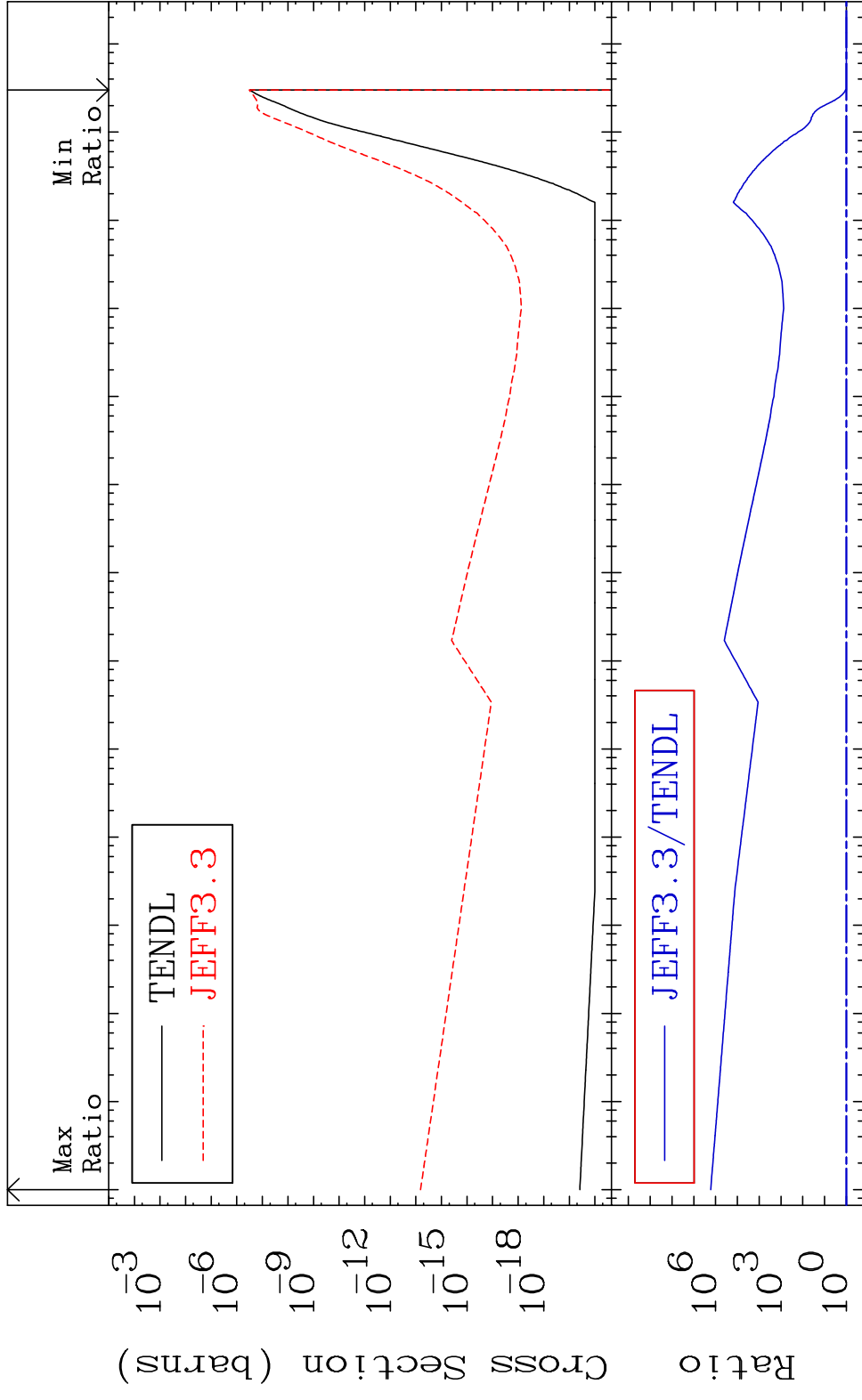


55

Incident Energy (eV)

60-Nd-145

MAT 6034 (n,2α) 60-Nd-145
 Cross Section 0.000 To 9999. %

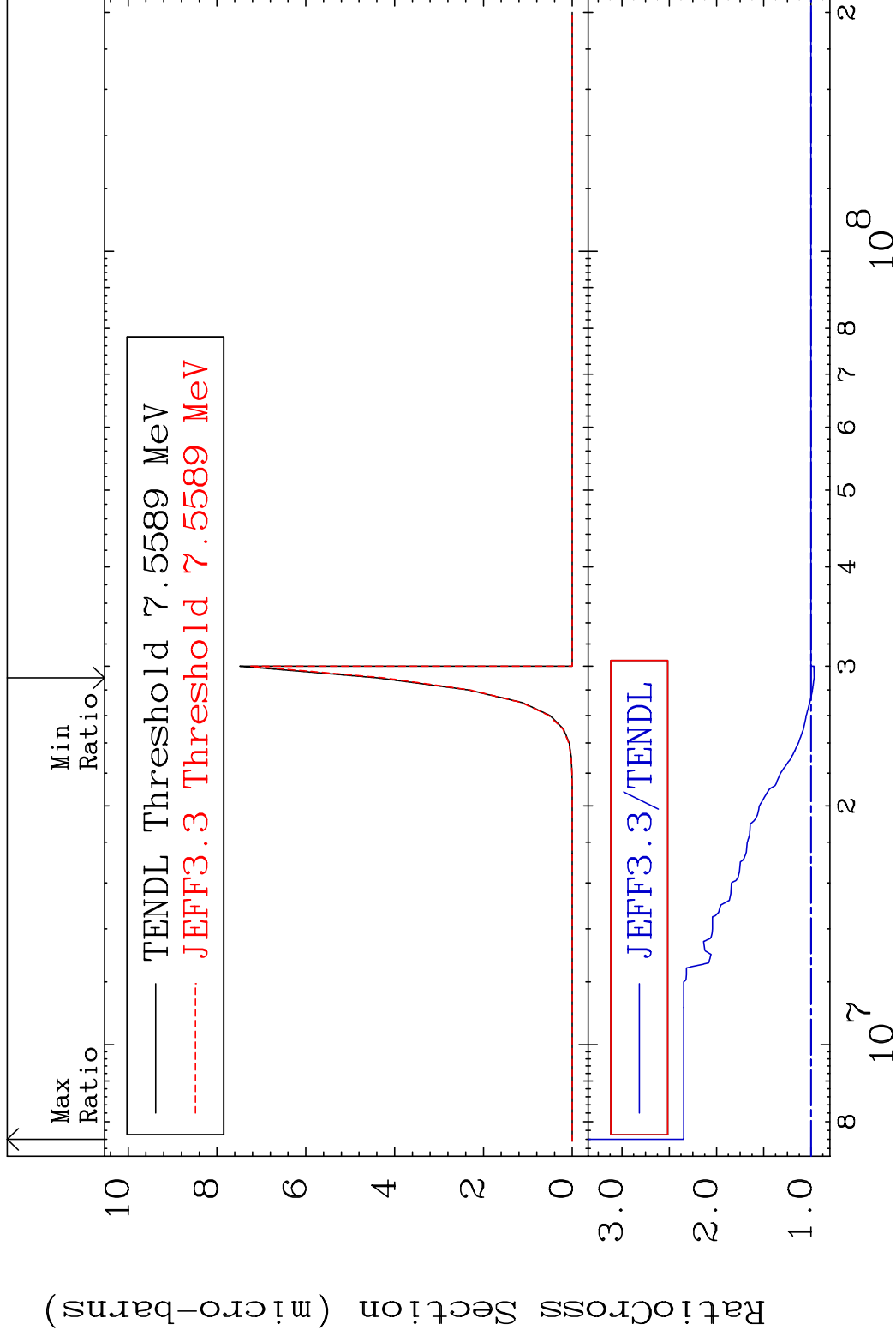


MAT 6034

(n,2p)

60-Nd-145

Cross Section -3.236 To 134.7 %



57

Incident Energy (eV)

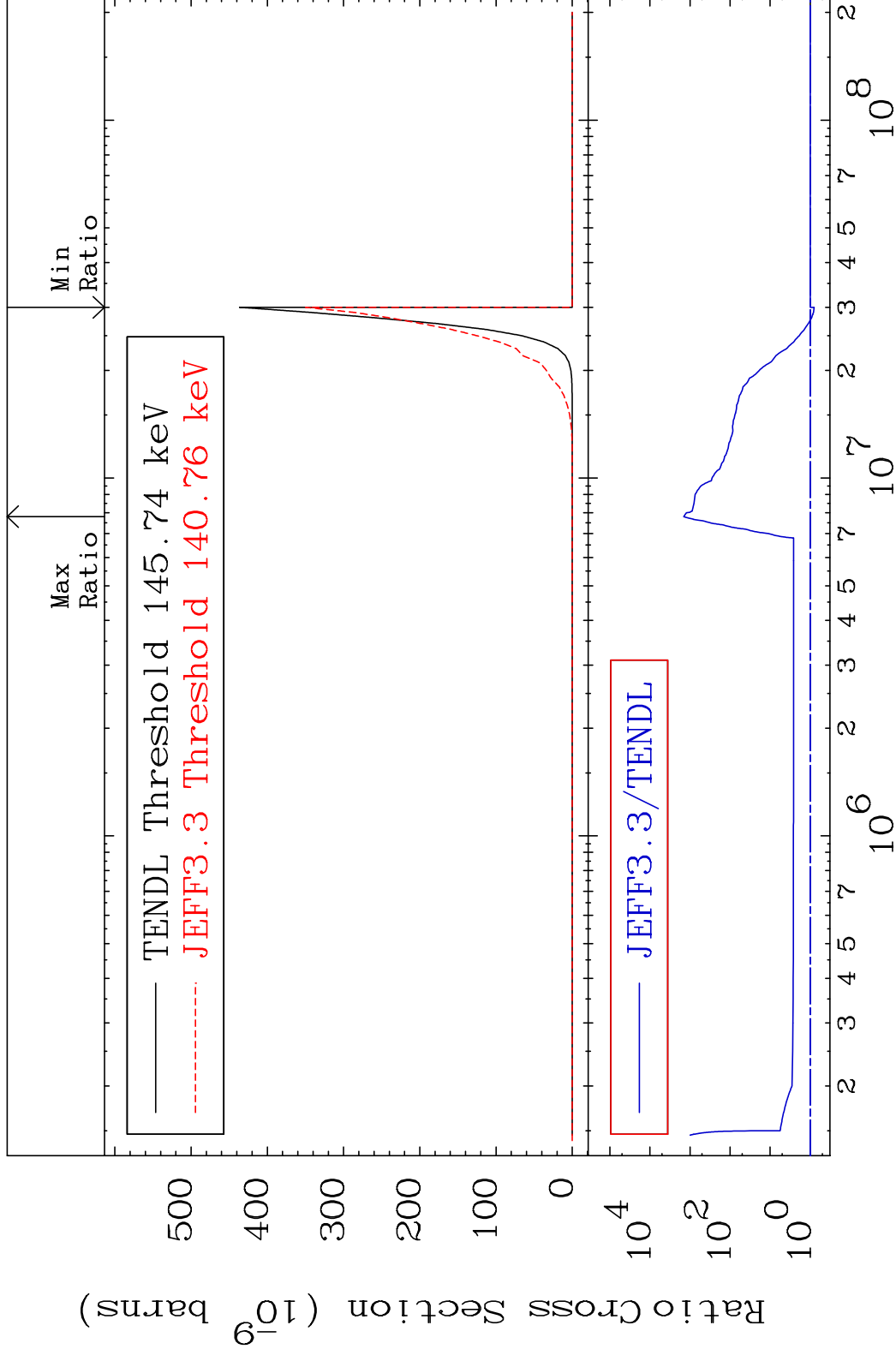
60-Nd-145

MAT 6034

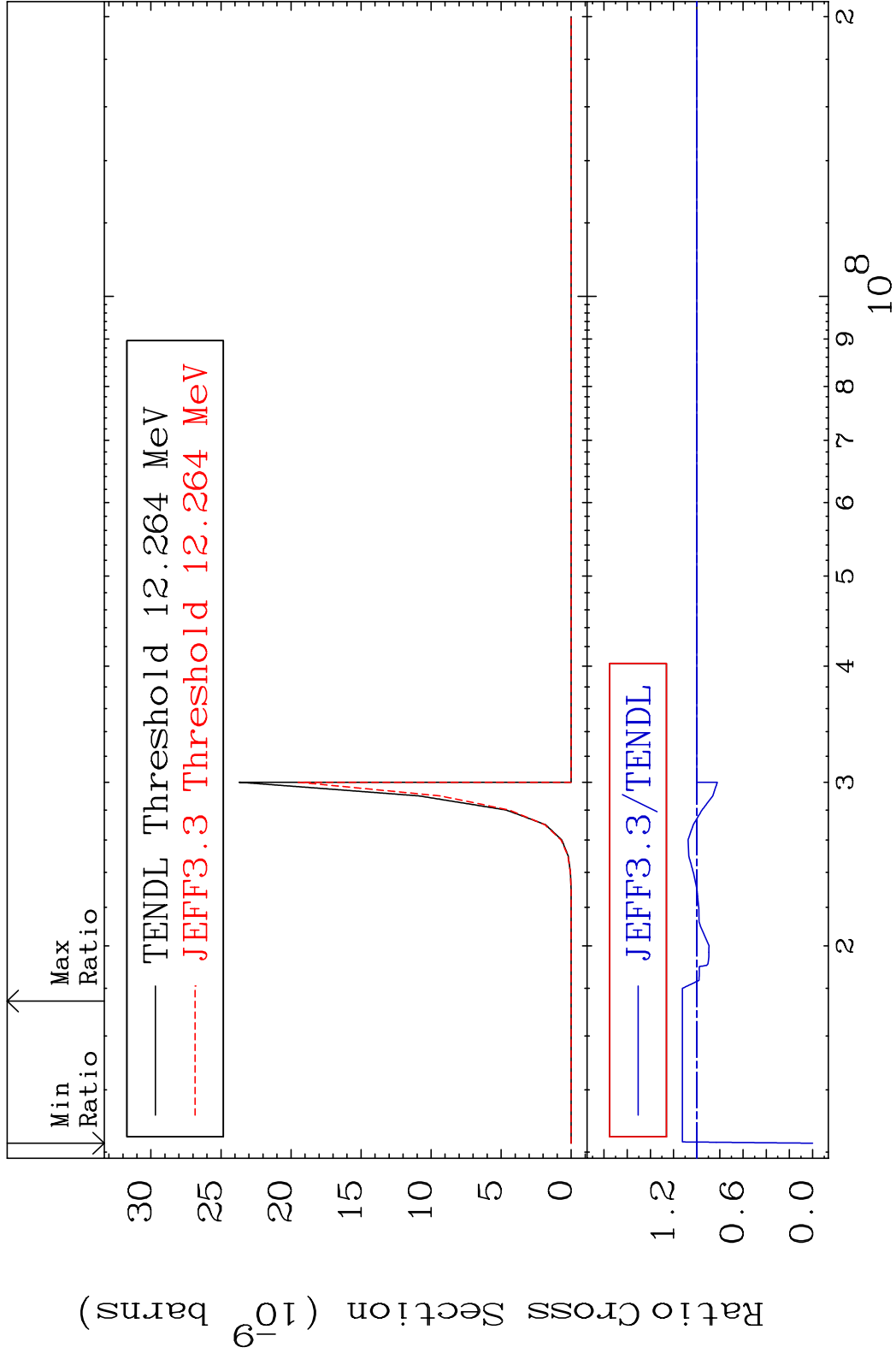
(n,p) α

60-Nd-145

Cross Section -19.87 To 9999. %



MAT 6034 (n,p) d 60-Nd-145
 Cross Section -100.0 To 12.39 %

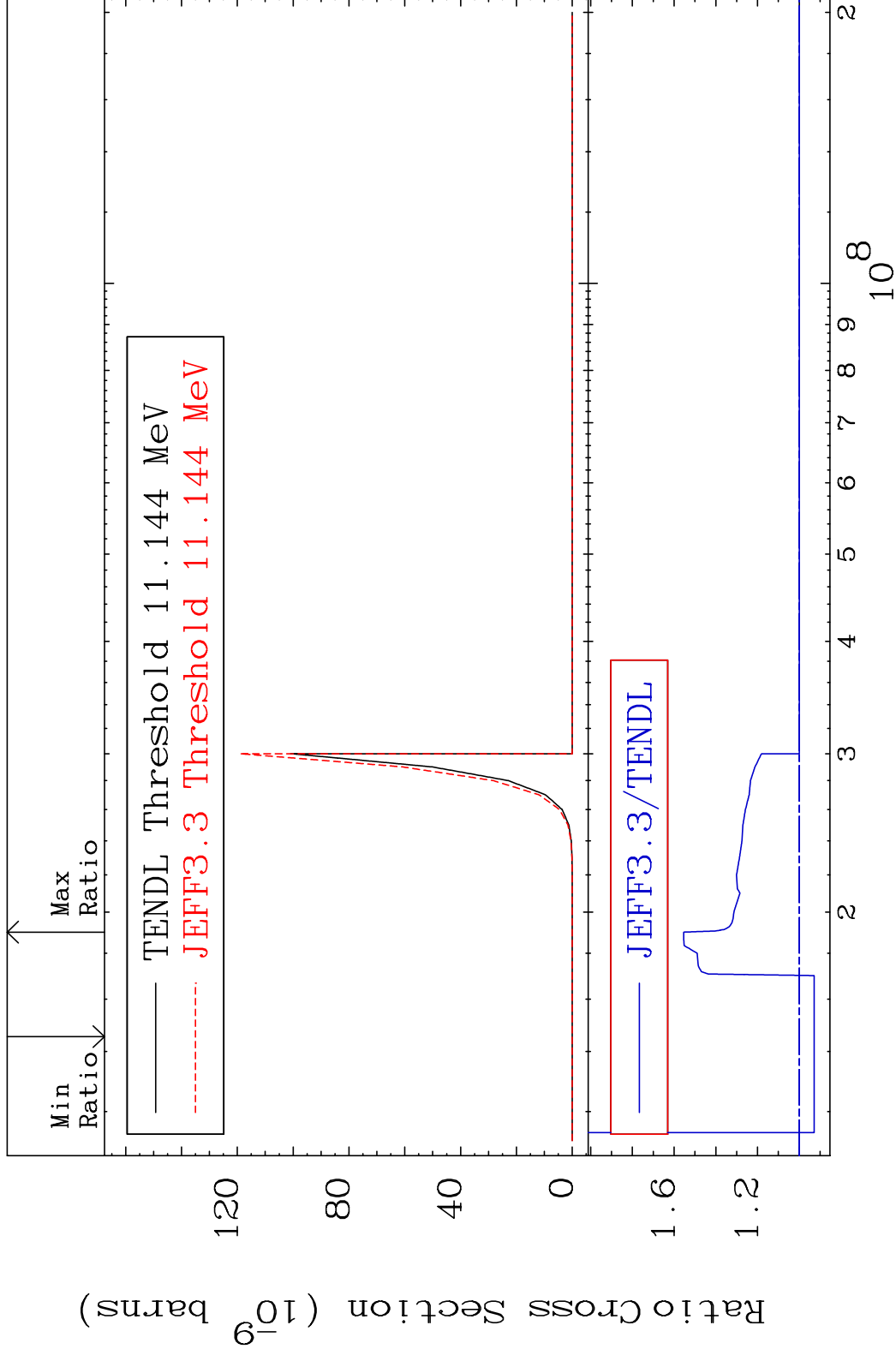


MAT 6034

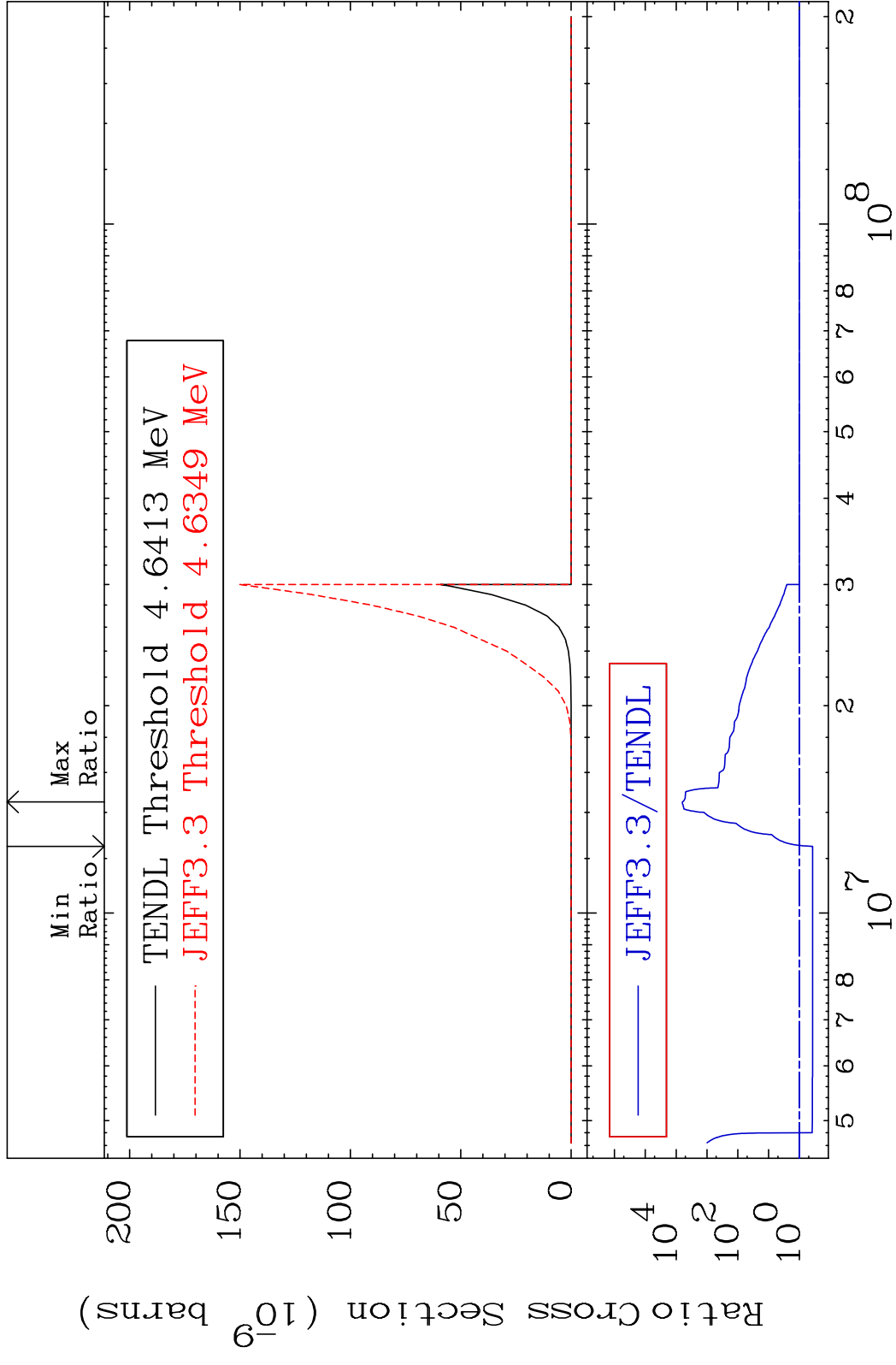
(n,p) t

60-Nd-145

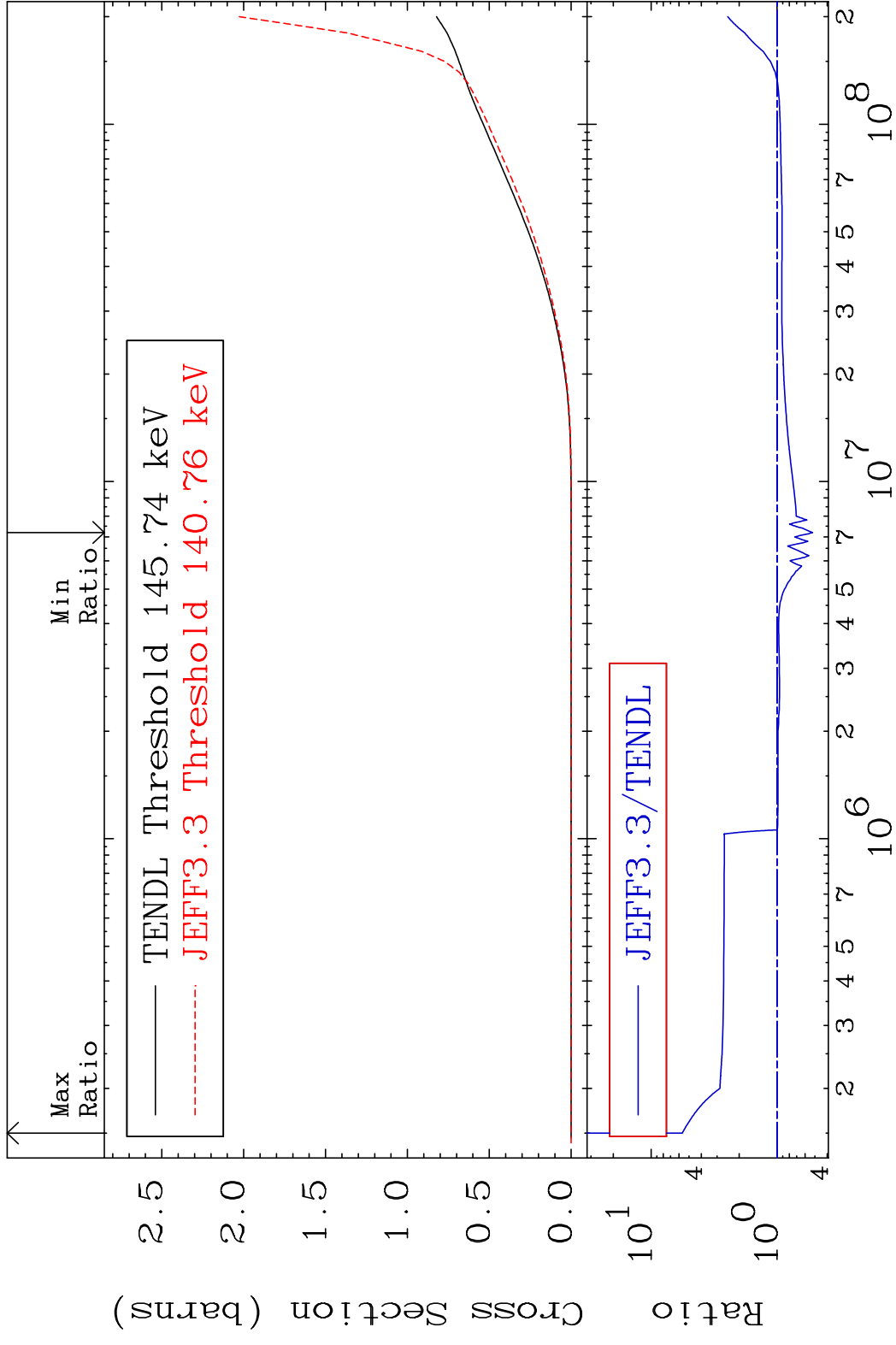
Cross Section -7.142 To 55.42 %



MAT 6034 (n,d) α 60-Nd-145
 Cross Section -62.43 To 9999. %



MAT 6034 Hydrogen Production 60-Nd-145
 Cross Section -47.76 To 464.9 %

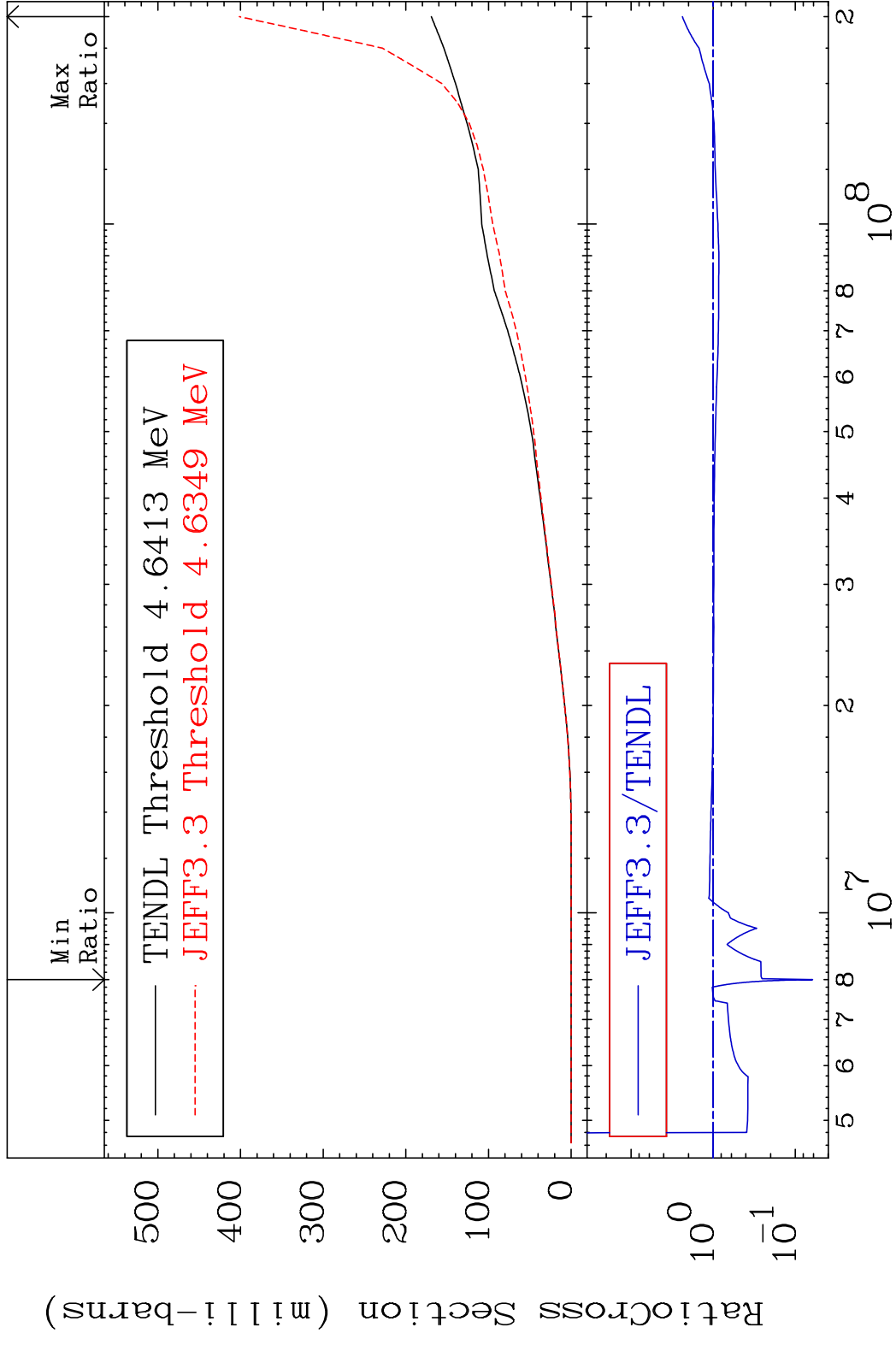


MAT 6034

Deuterium Production

60-Nd-145

Cross Section -93.82 To 137.3 %



63

Incident Energy (eV)

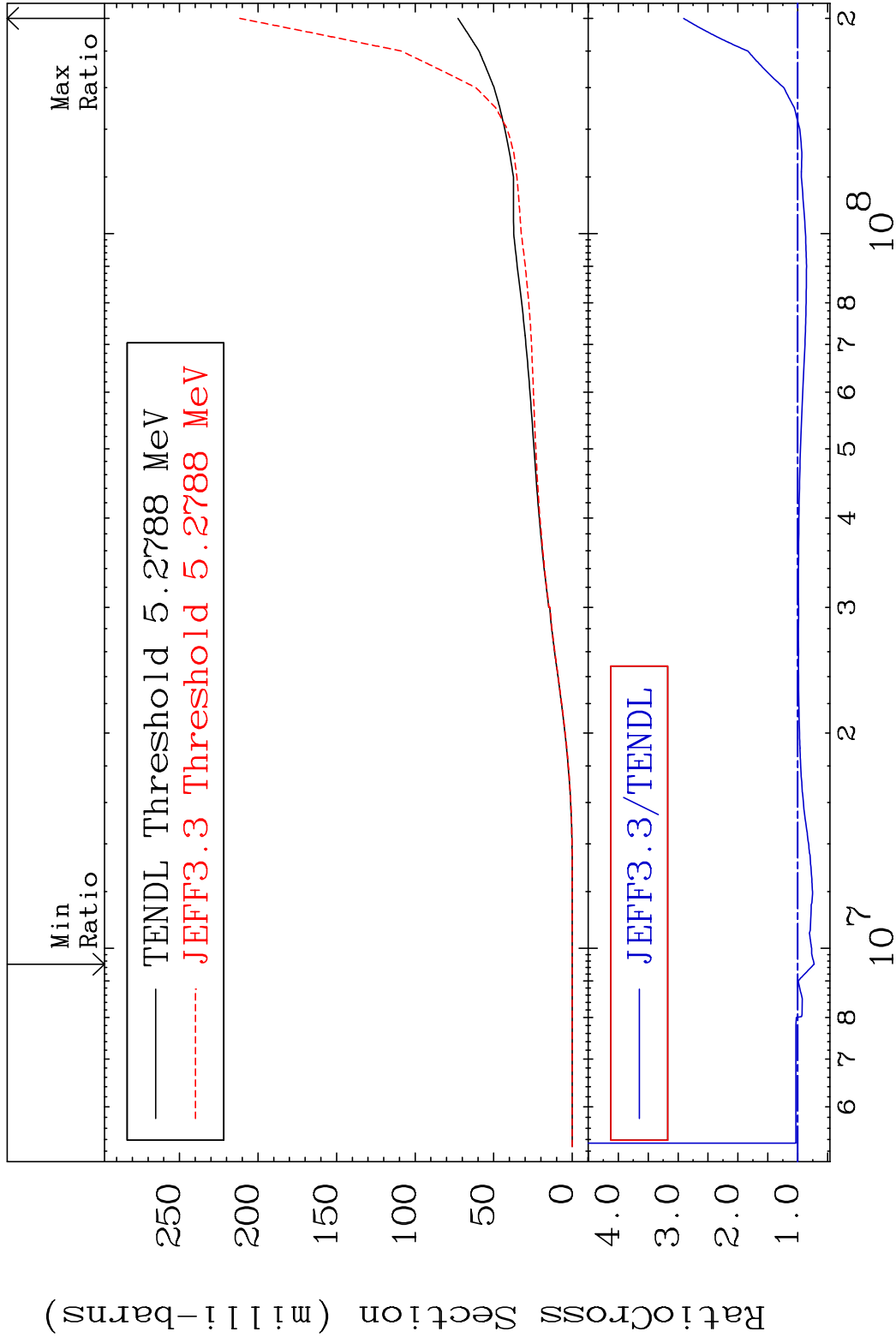
60-Nd-145

MAT 6034

Tritium Production

60-Nd-145

Cross Section -27.34 To 190.7 %



64

Incident Energy (eV)

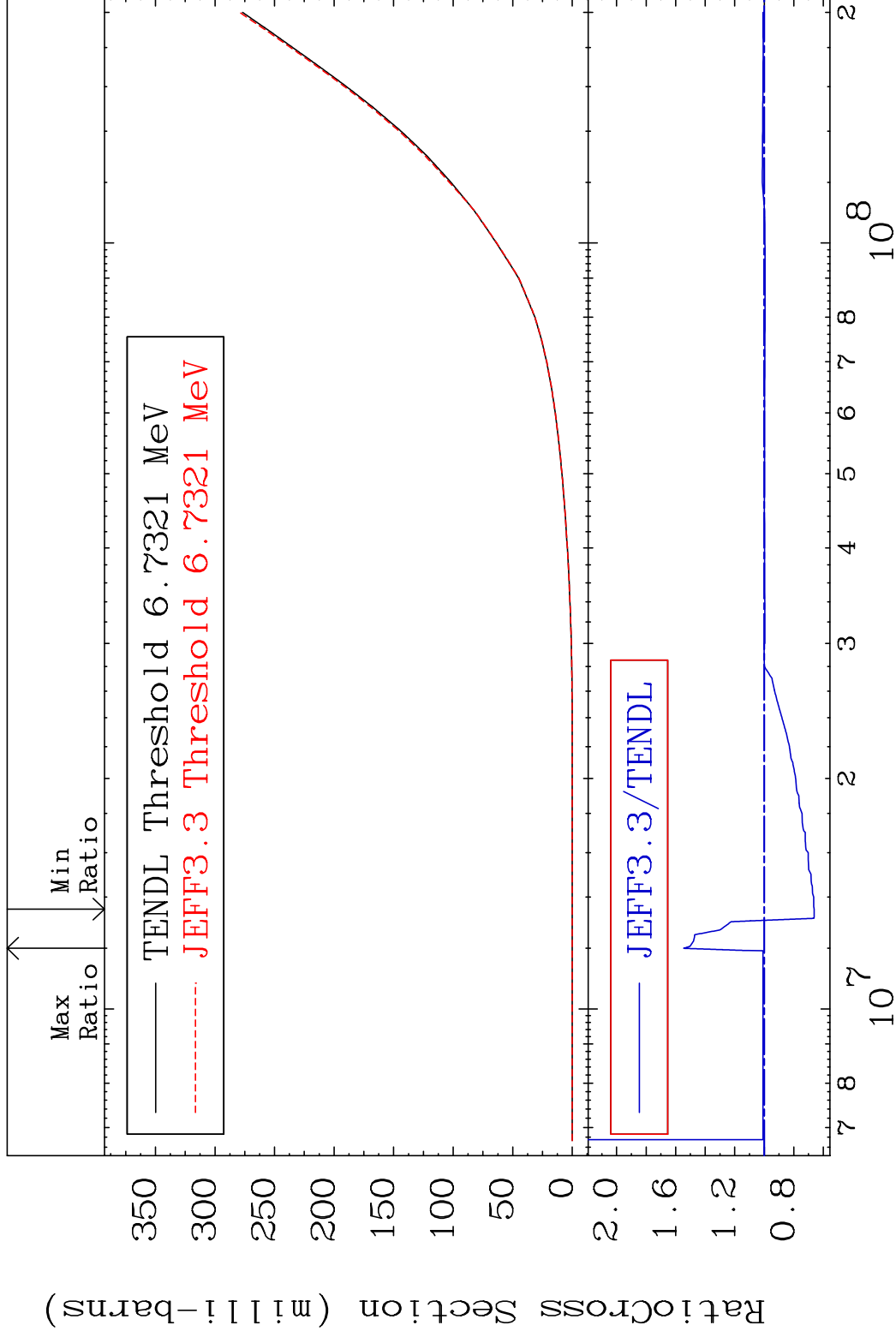
60-Nd-145

MAT 6034

He-3 Production

60-Nd-145

Cross Section -33.77 To 54.58 %



65

Incident Energy (eV)

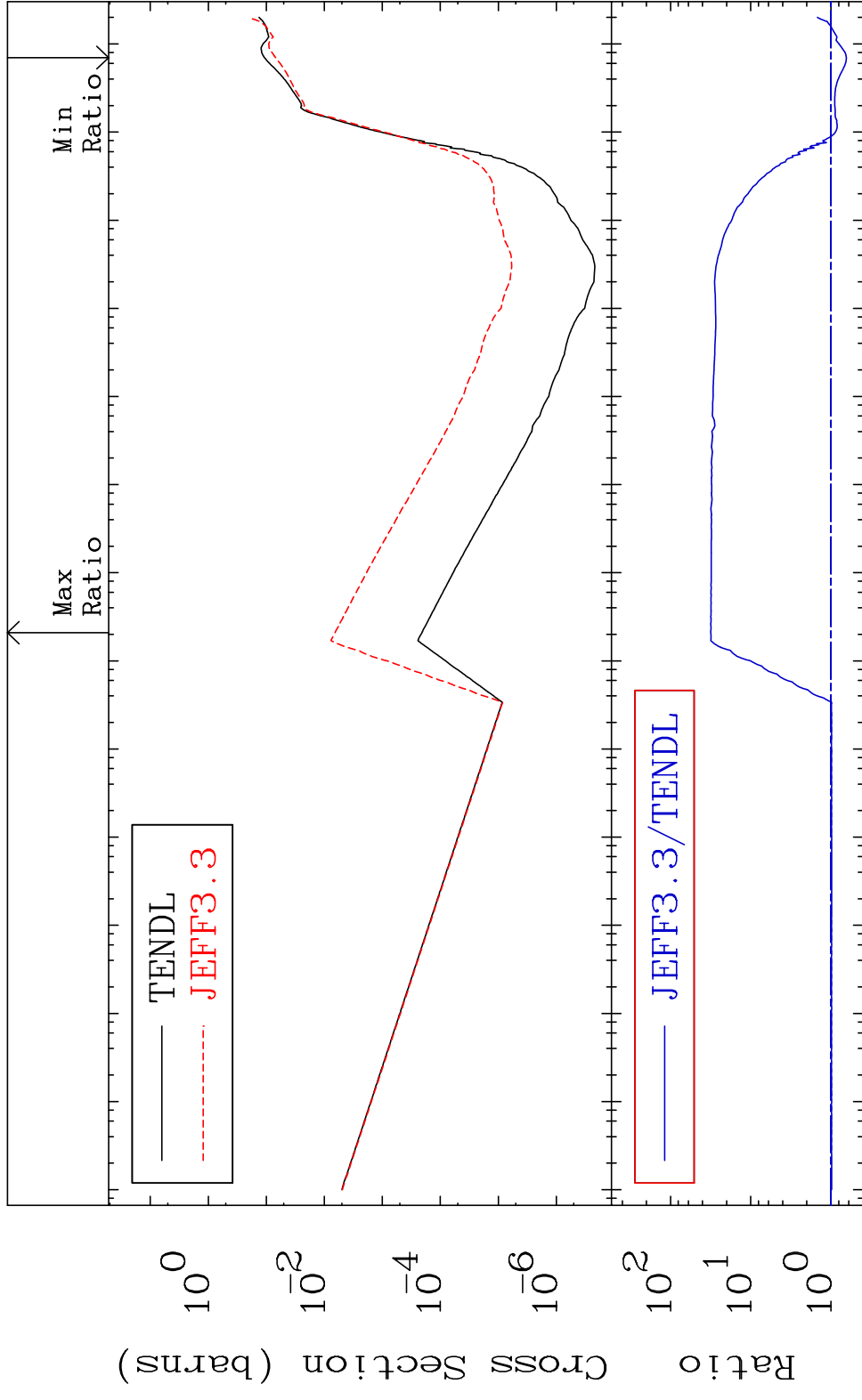
60-Nd-145

MAT 6034

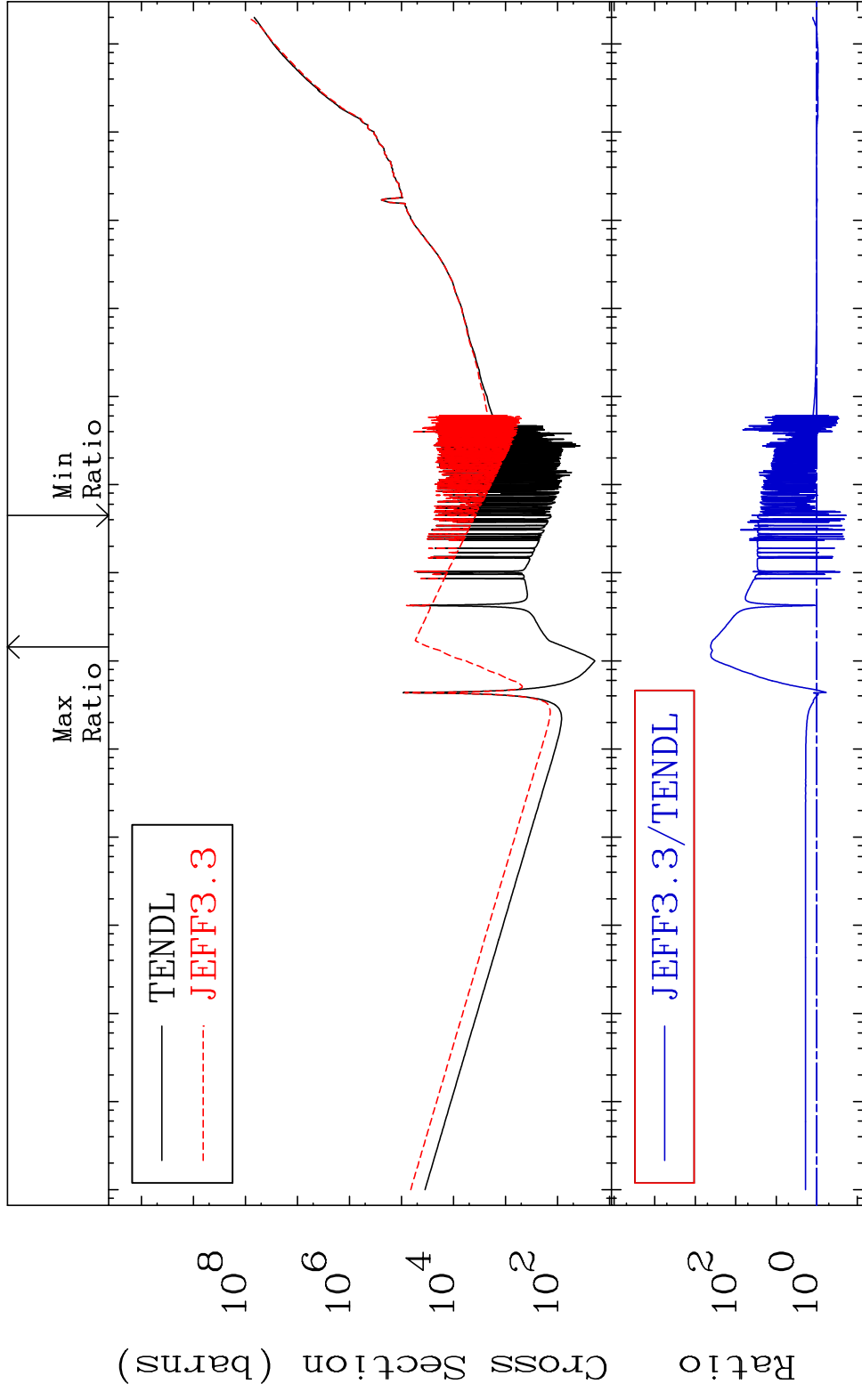
He-4 Production

60-Nd-145

Cross Section -35.80 To 3055. %



MAT 6034 Kerma total (eV-barns) 60-Nd-145
 Cross Section -81.43 To 9999. %

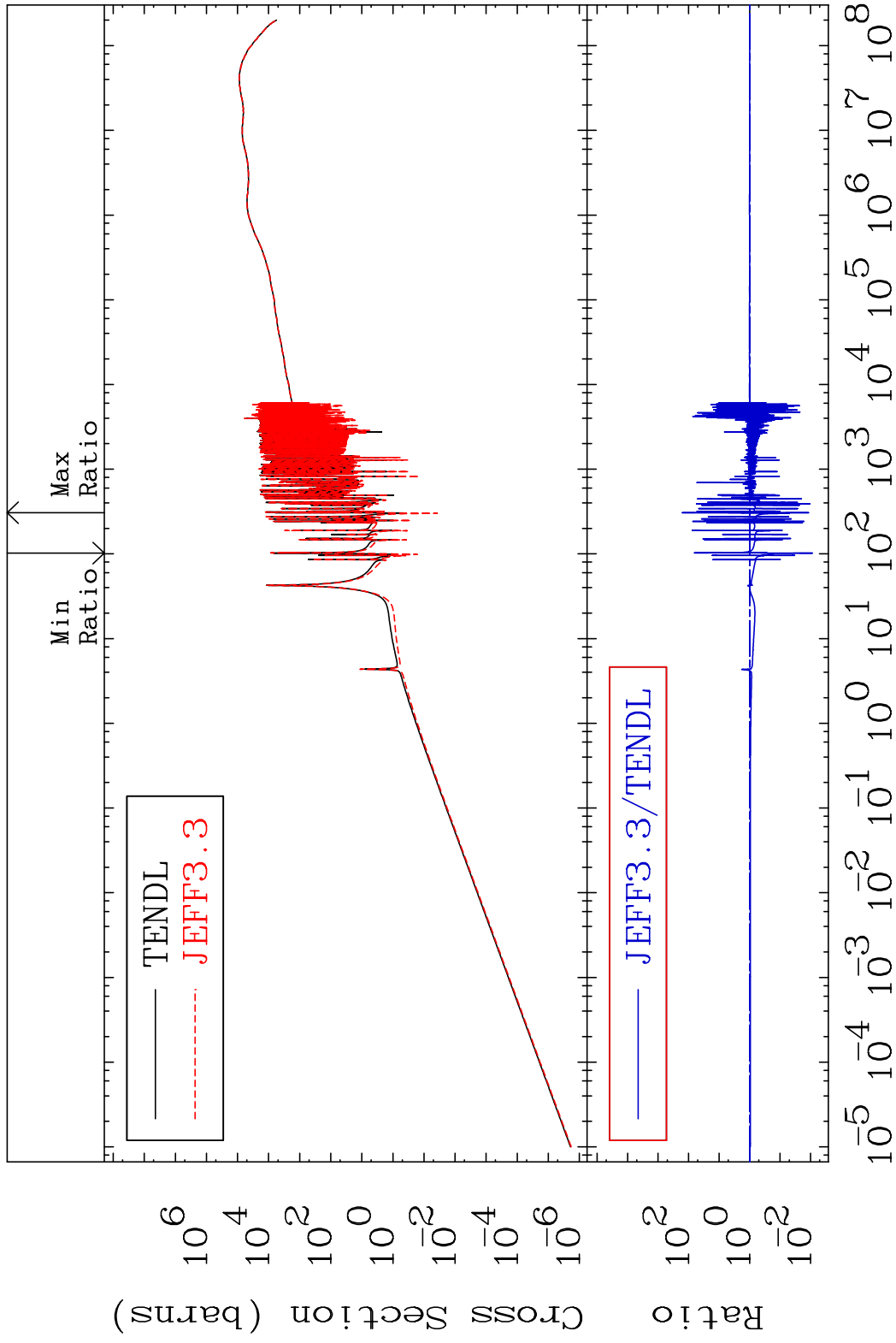


67 Incident Energy (eV) 60-Nd-145

MAT 6034

Kerma elastic
Cross Section

60-Nd-145
-99.14 To 9999. %

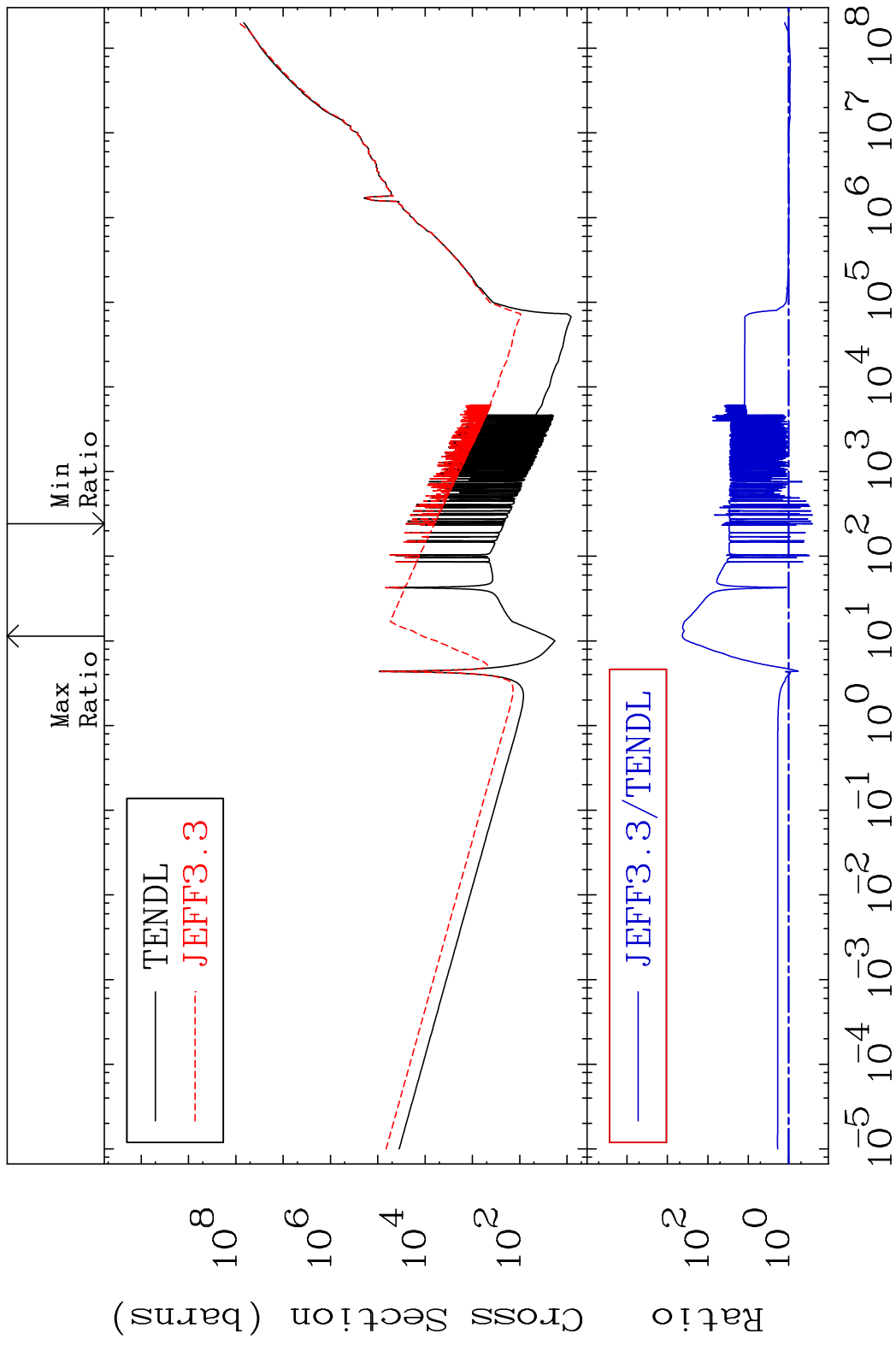


68

Incident Energy (eV)

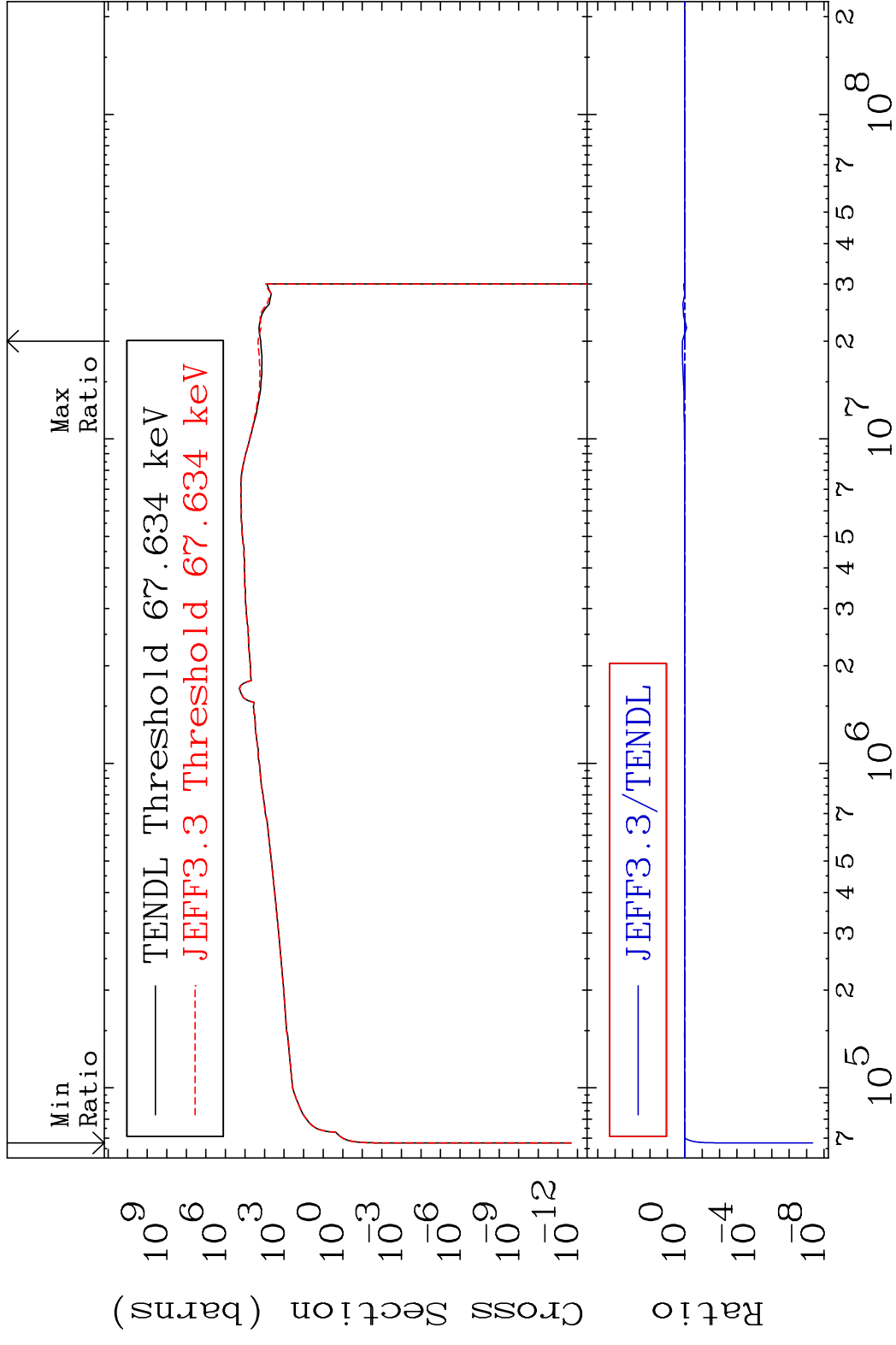
60-Nd-145

MAT 6034 Kerma non-elastic (all but mt2) 60-Nd-145
 Cross Section -74.21 To 9999. %



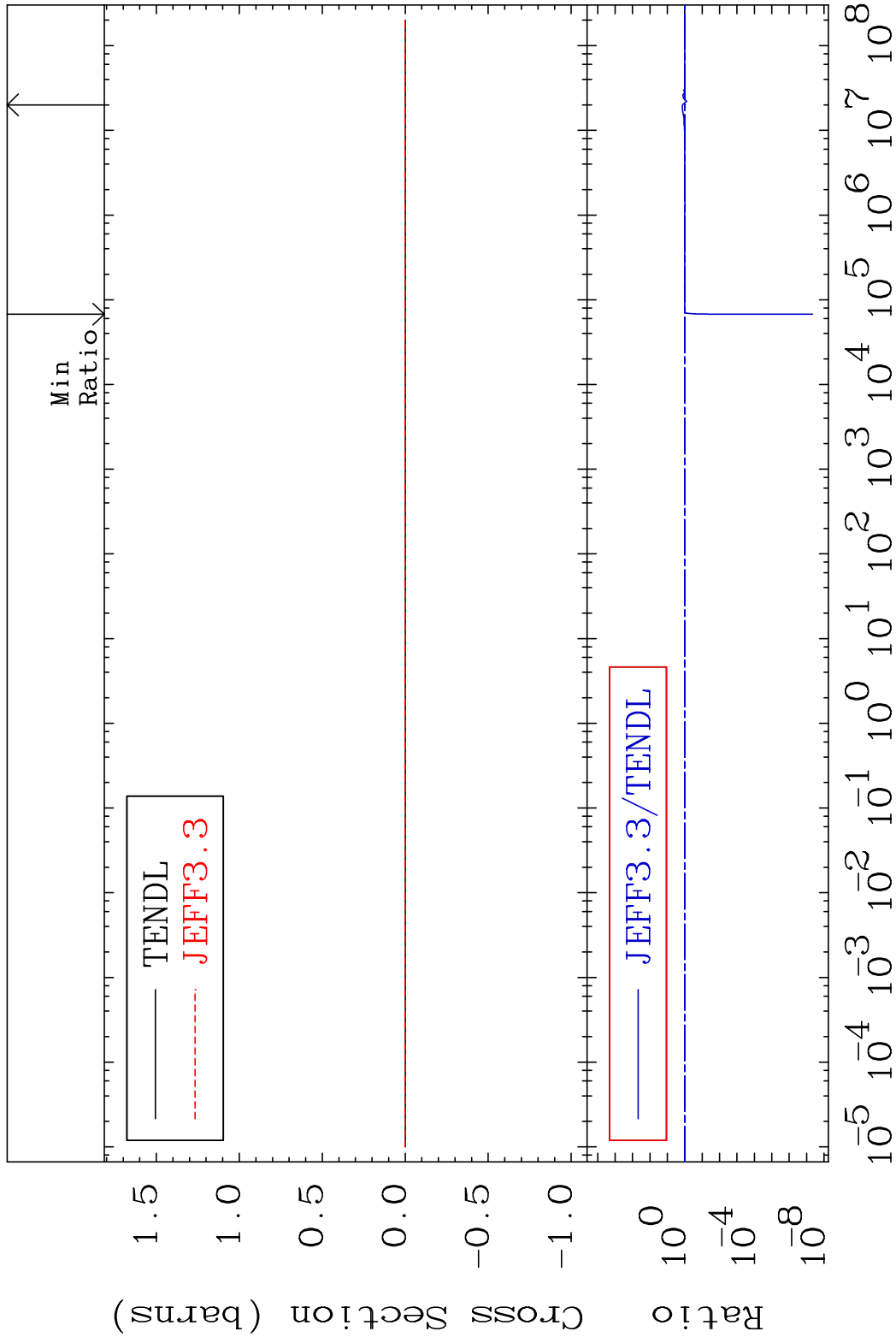
69 Incident Energy (eV) 60-Nd-145

MAT 6034 Kerma inelastic (mt51-91) 60-Nd-145
 Cross Section -100.0 To 37.22 %

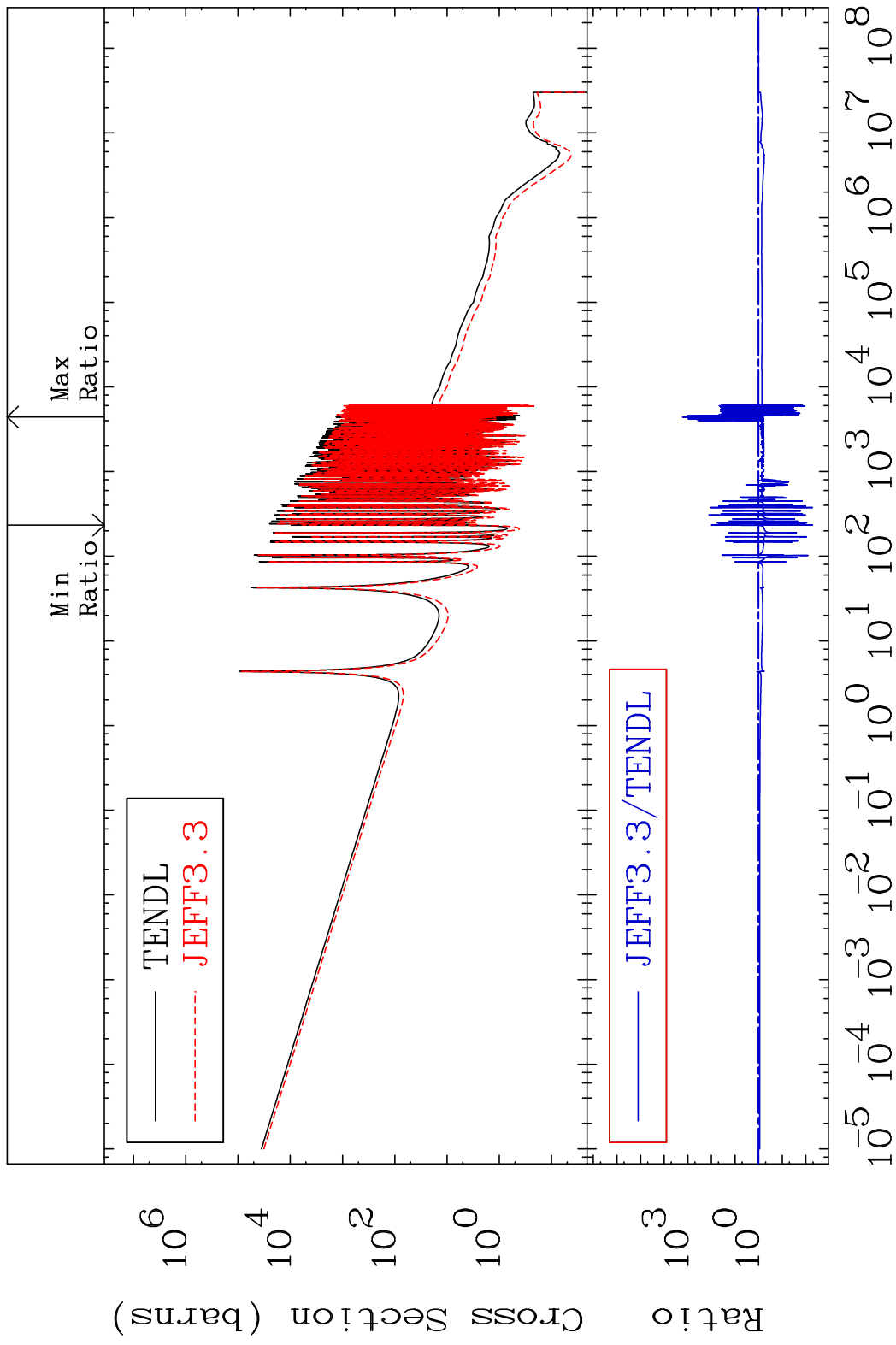


70 Incident Energy (eV) 60-Nd-145

MAT 6034 Kerma fission (mt18 or mt19-20-21-38) $^{60}\text{Nd-145}$
 Cross Section -100.0 To 37.22 %

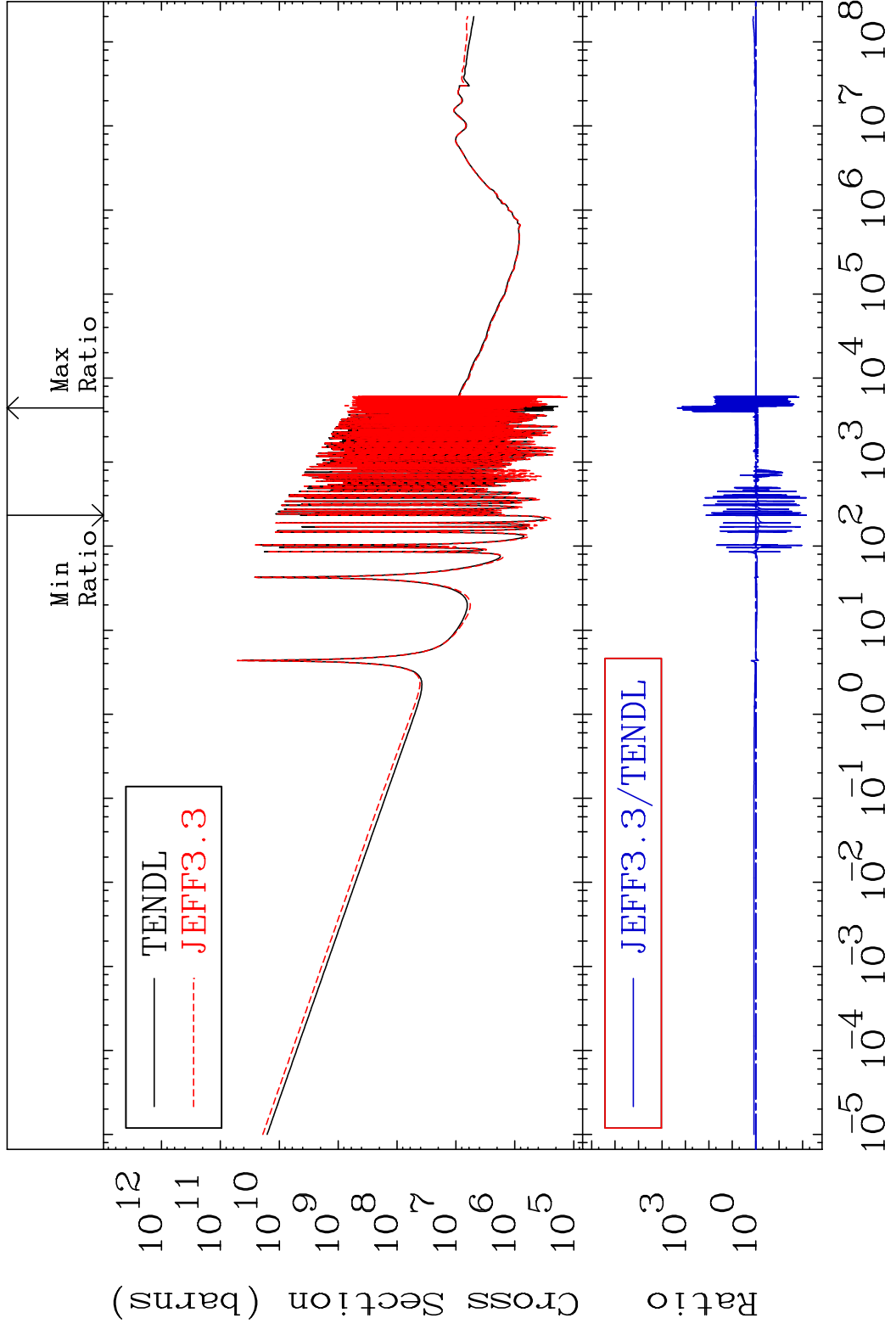


MAT 6034 Kerma capture (mt102) 60-Nd-145
 Cross Section -99.48 To 9999. %



MAT 6034

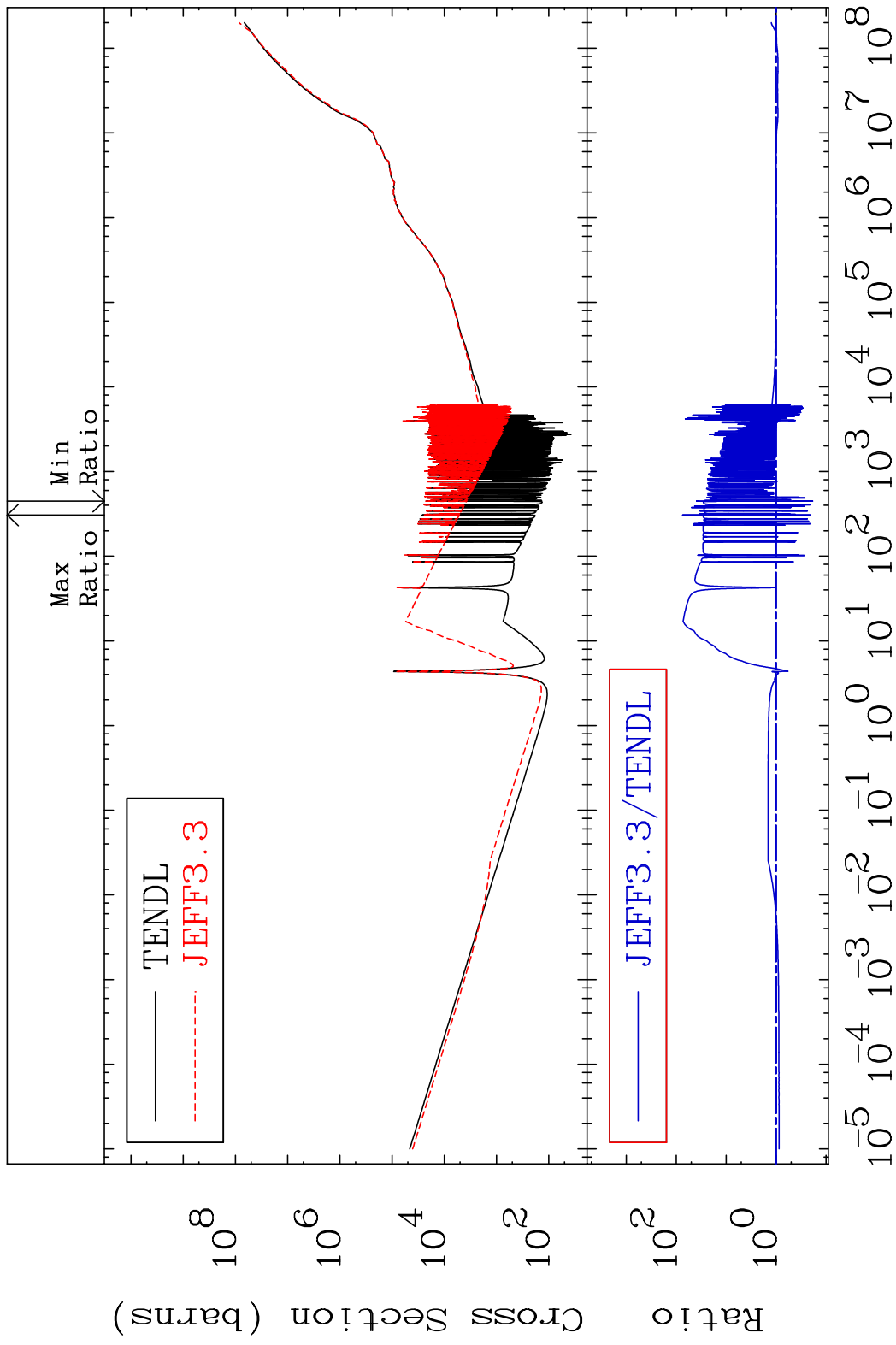
Total photon (eV-barns) 60-Nd-145
Cross Section -99.31 To 9999. %



73

Incident Energy (eV) 60-Nd-145

MAT 6034 Total kinematic kerma (high limit) 60-Nd-145
 Cross Section -81.33 To 7470. %

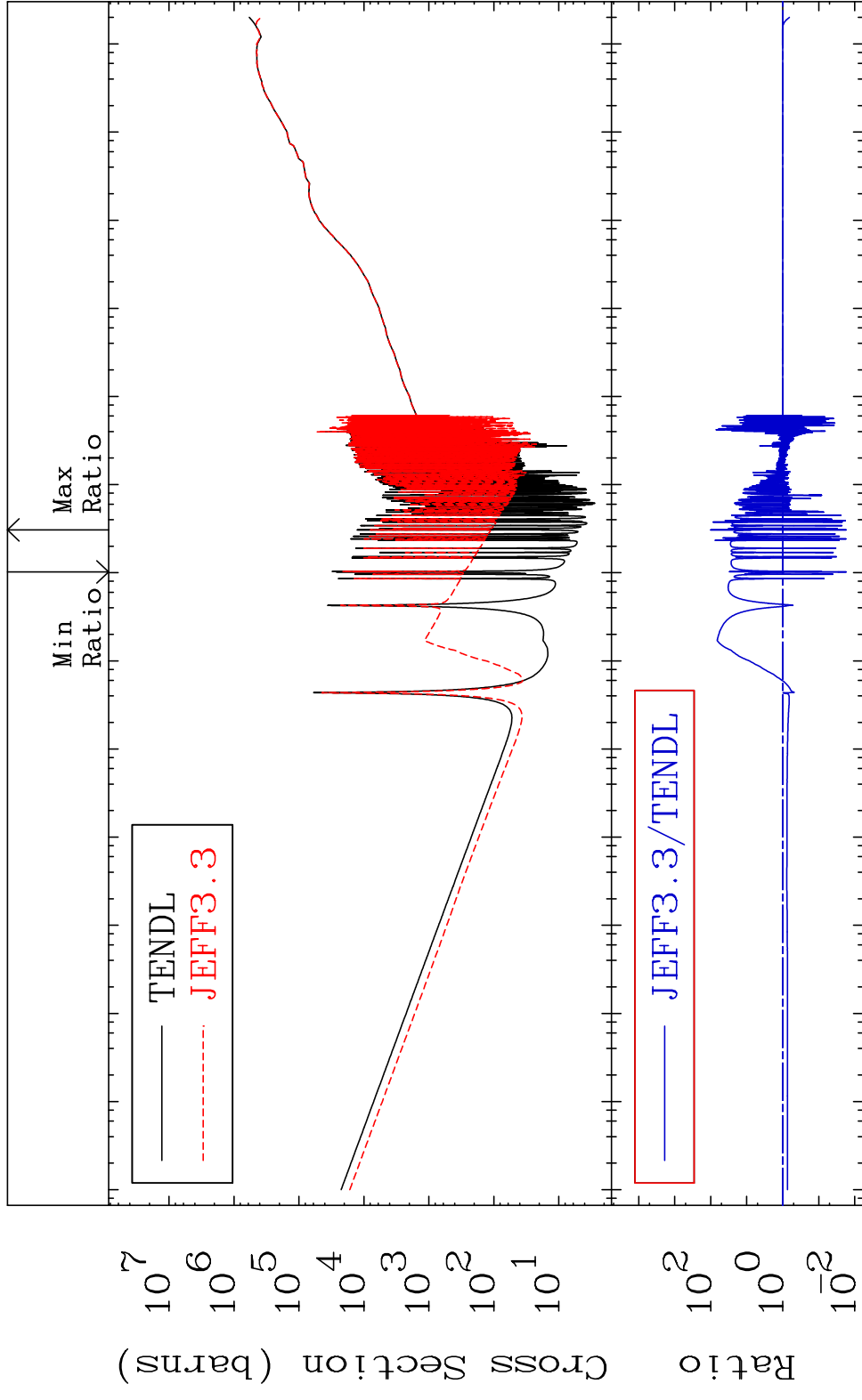


MAT 6034

Dpa total (eV-barns)

60-Nd-145

Cross Section -98.29 To 9901. %



75

Incident Energy (eV)

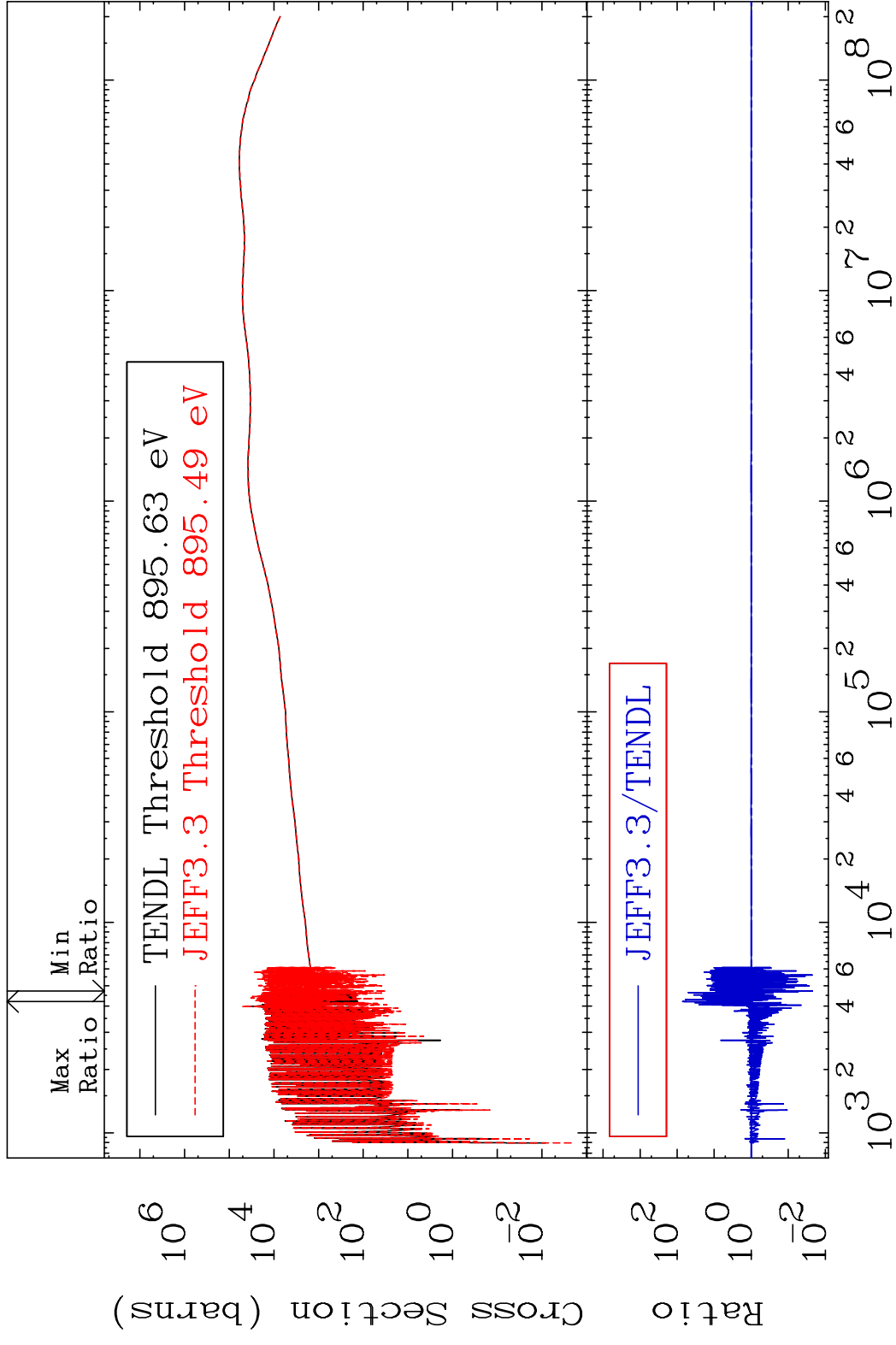
60-Nd-145

MAT 6034

Dpa elastic (mt2)

60-Nd-145

Cross Section -97.80 To 7135. %

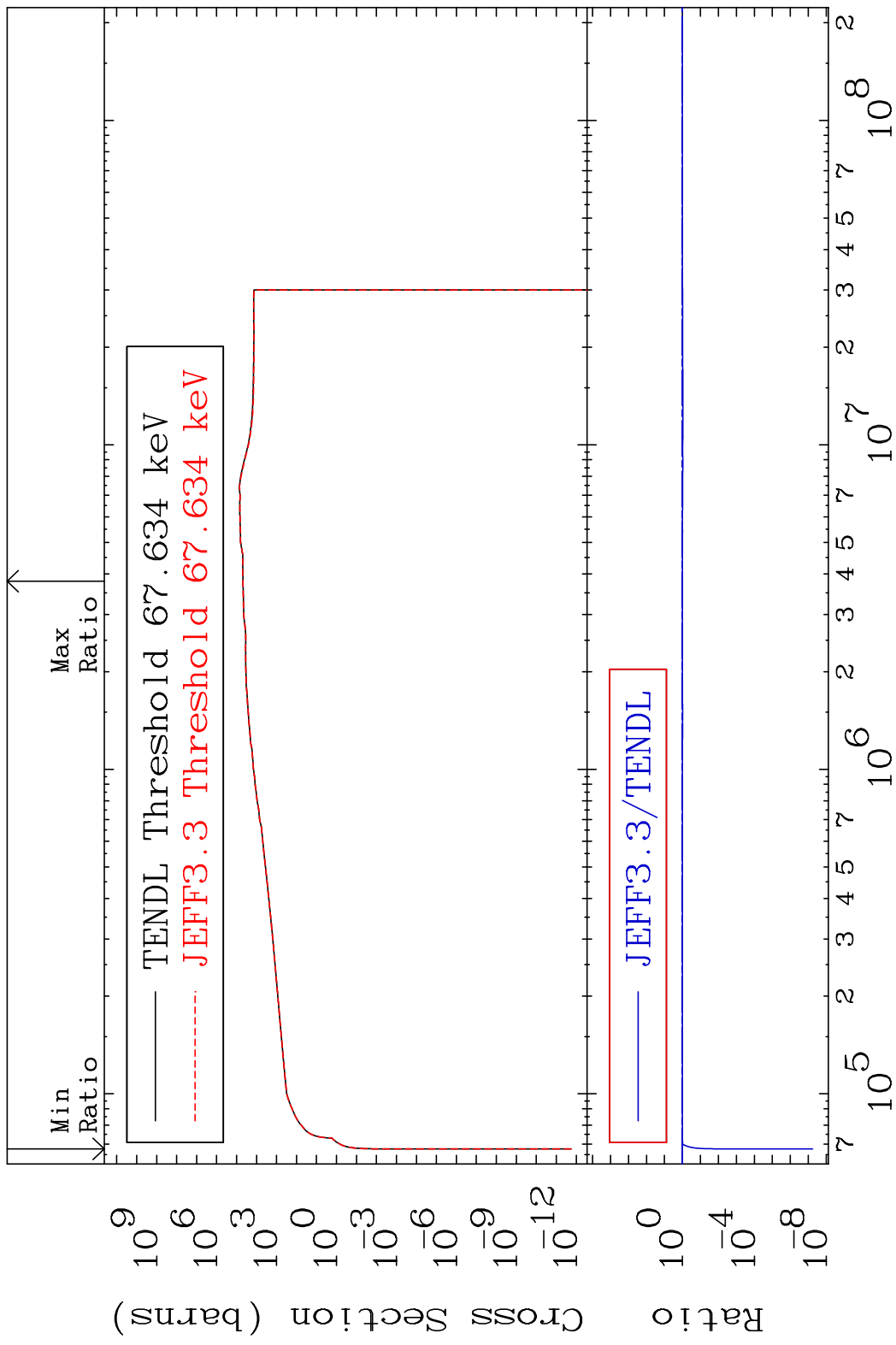


76

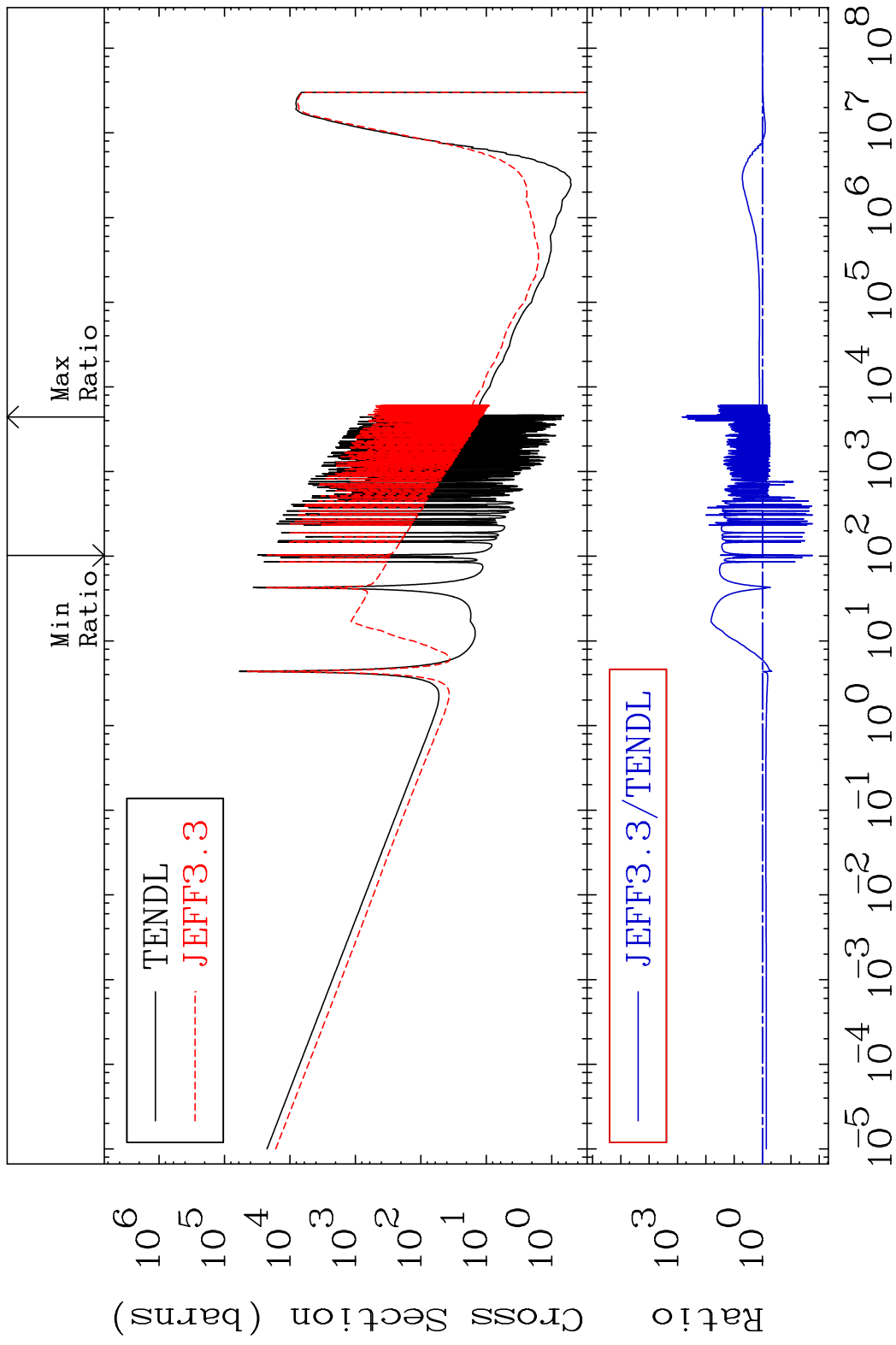
Incident Energy (eV)

60-Nd-145

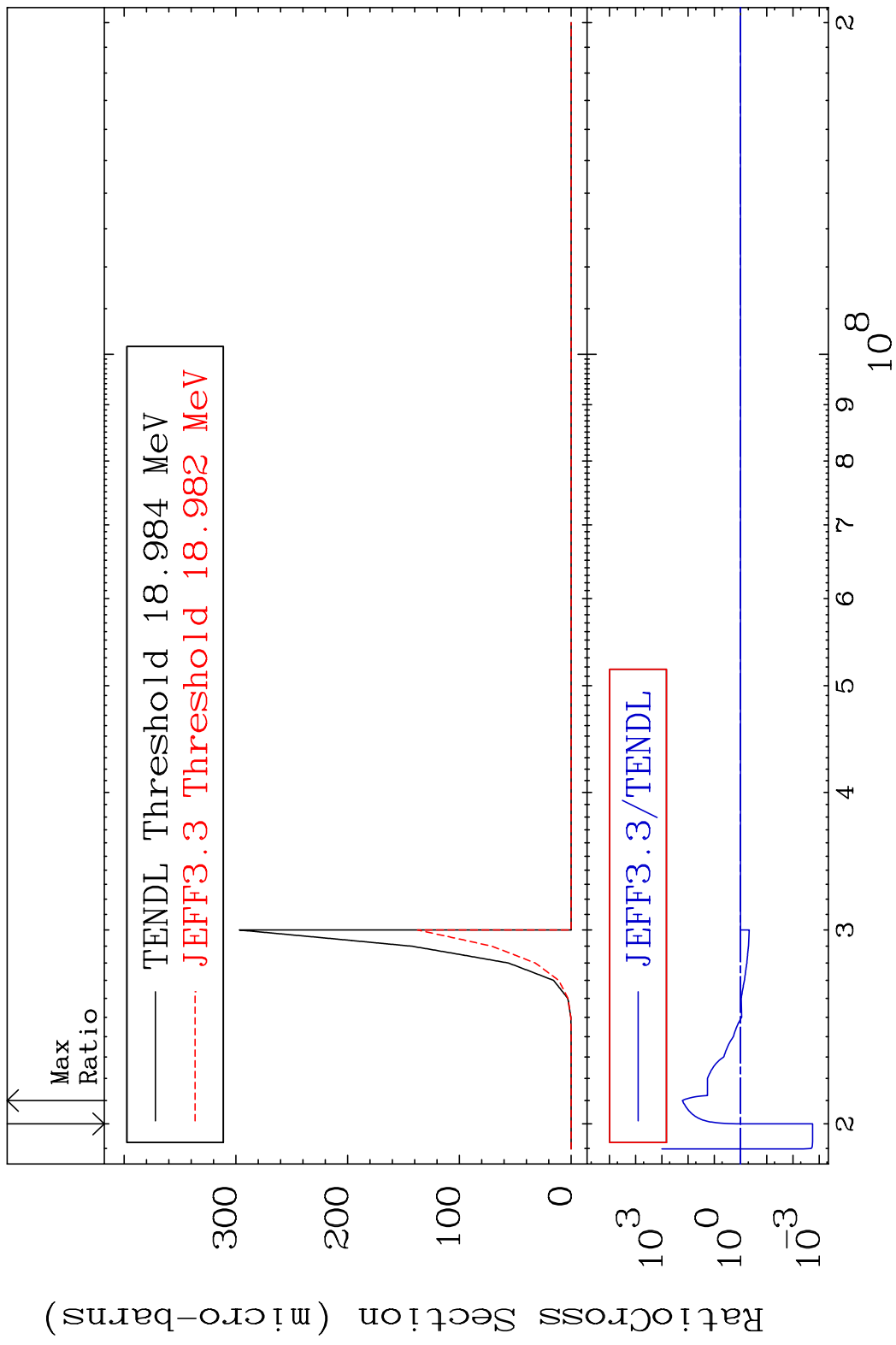
MAT 6034 Dpa inelastic (mt51-91) 60-Nd-145
 Cross Section -100.0 To 1.274 %

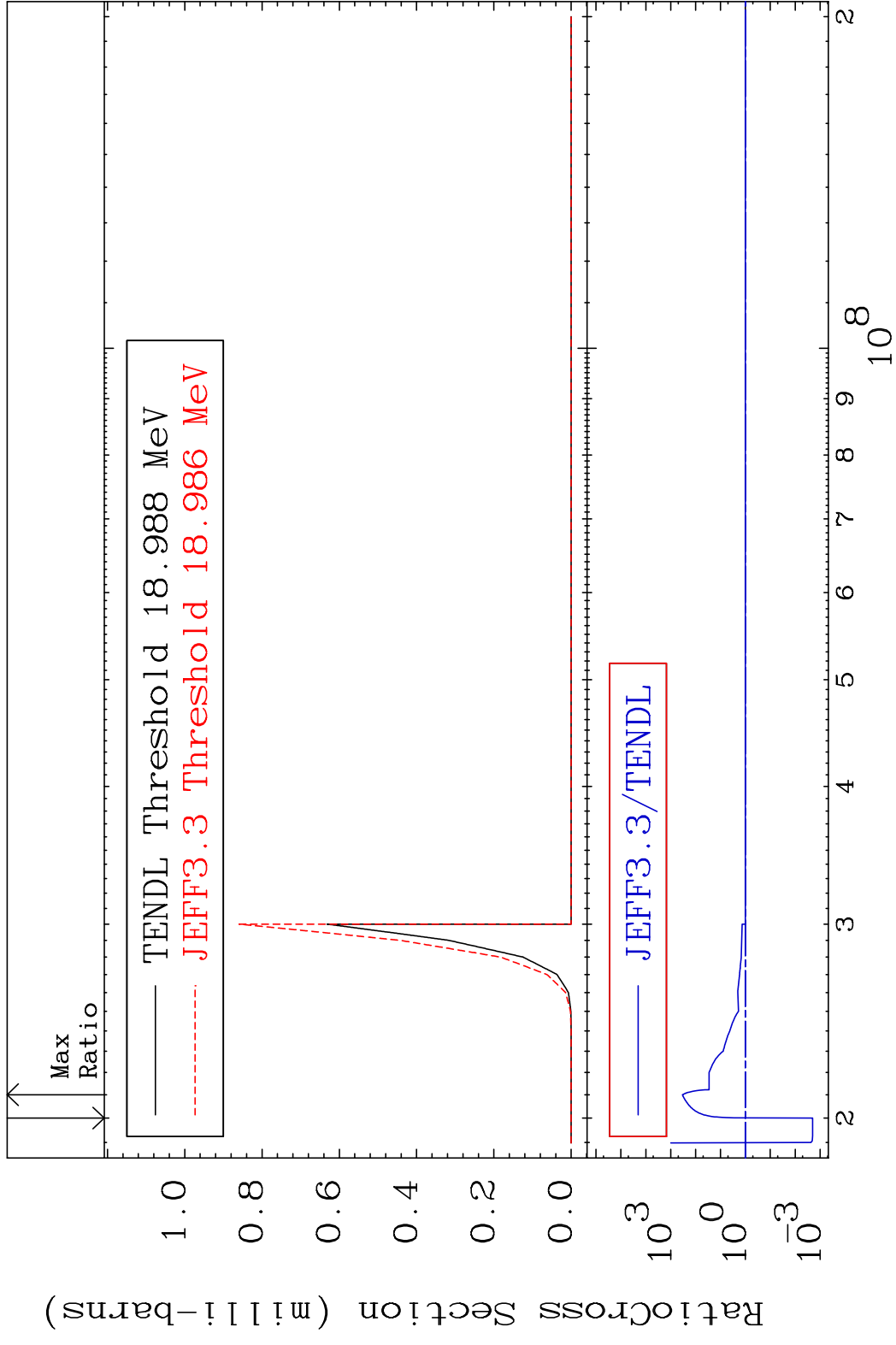


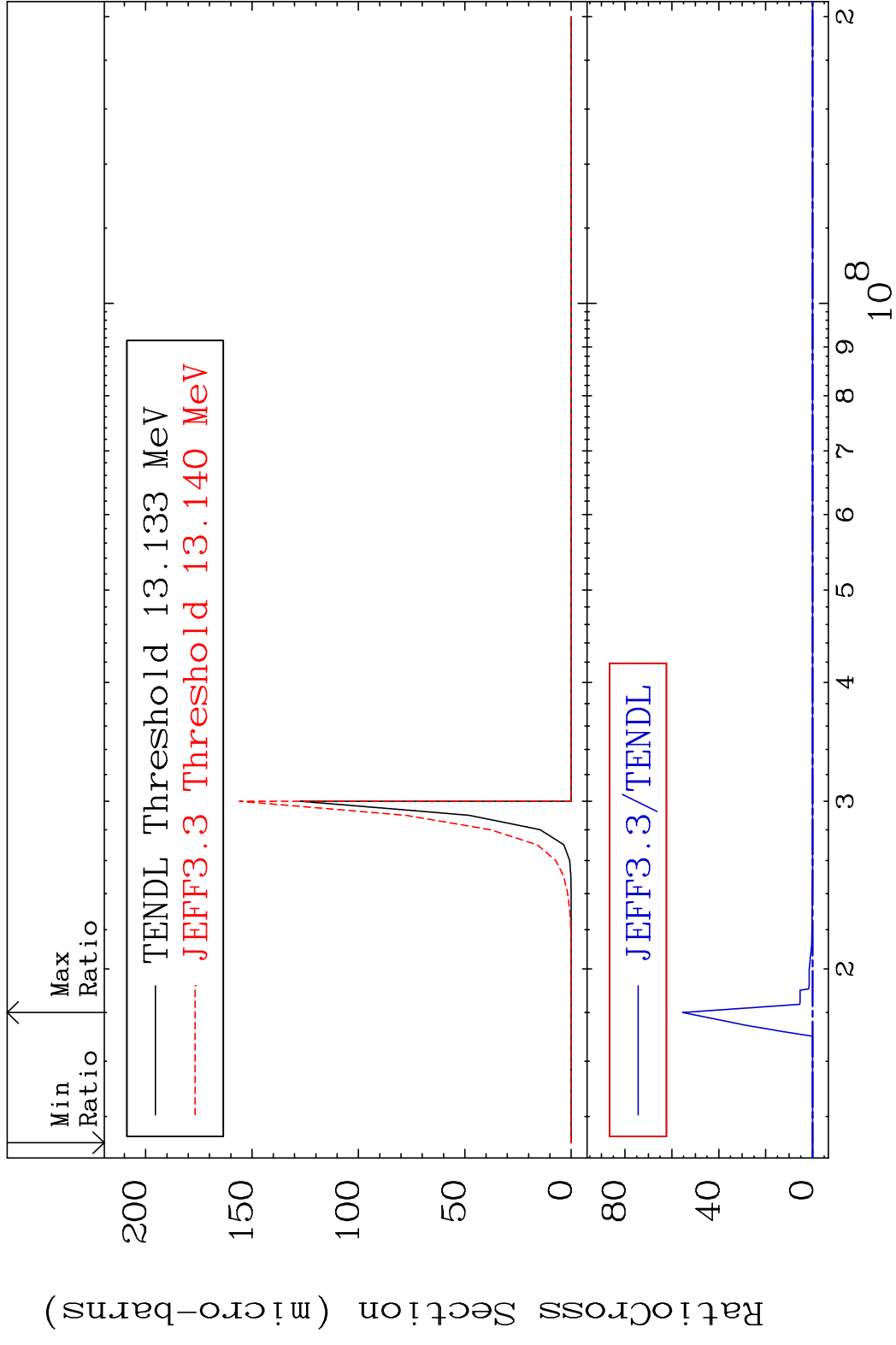
MAT 6034 Dpa disappearance (mt102 -120) 60-Nd-145
 Cross Section -98.29 To 9999. %



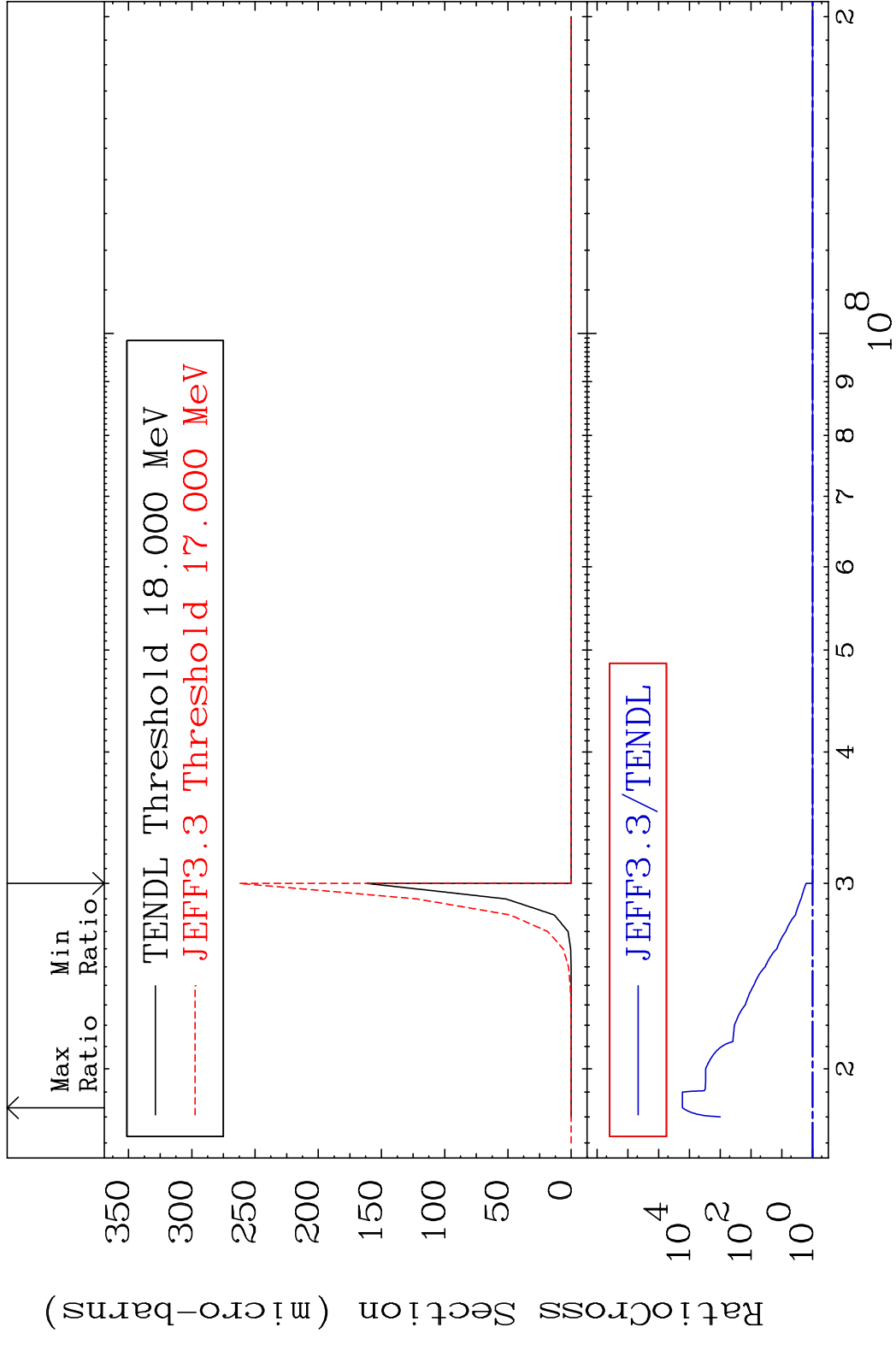
MAT 6034 (n,2n) d:59-Pr-142g 60-Nd-145
 Radionuclide Production Cross Section 99.82 dth 9999. %



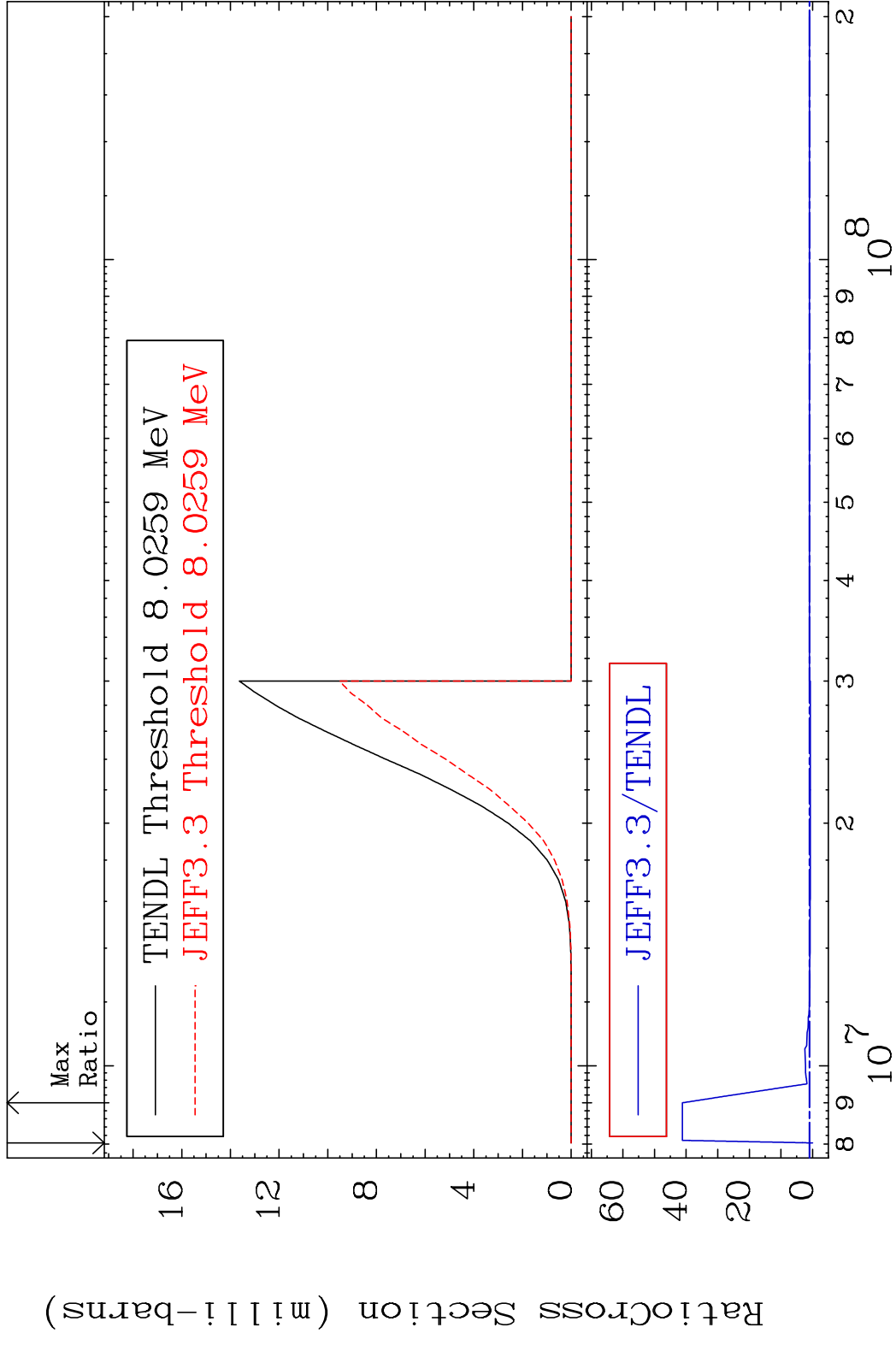


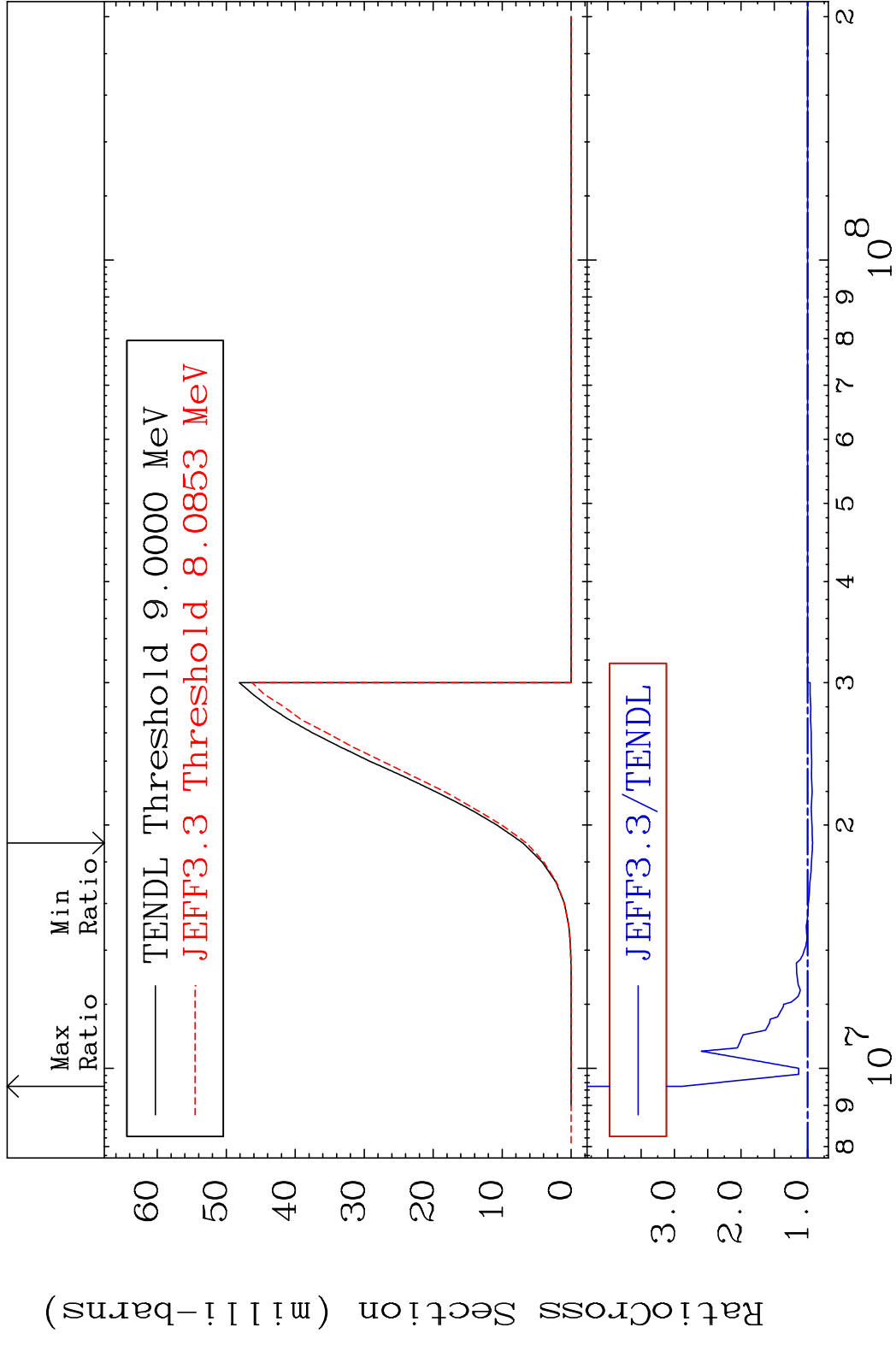


MAT 6034 (n,3n) α :58-Ce-139m2 60-Nd-145
 Radionuclide Production Cross Section 9999. %

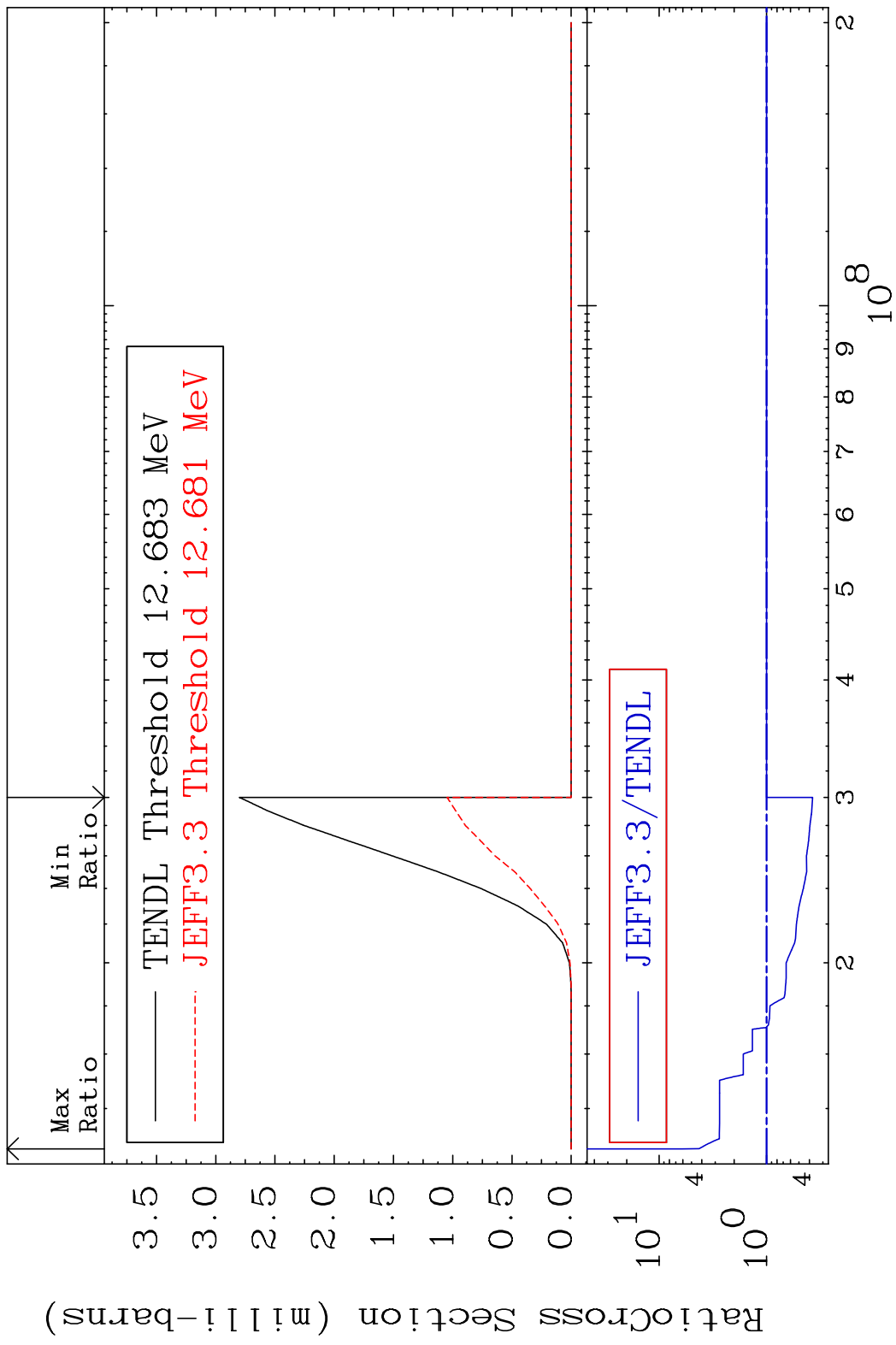


MAT 6034 (n, n') p:59-Pr-144g 60-Nd-145
 Radionuclide Production Cross Section 1800 d to 4019. %

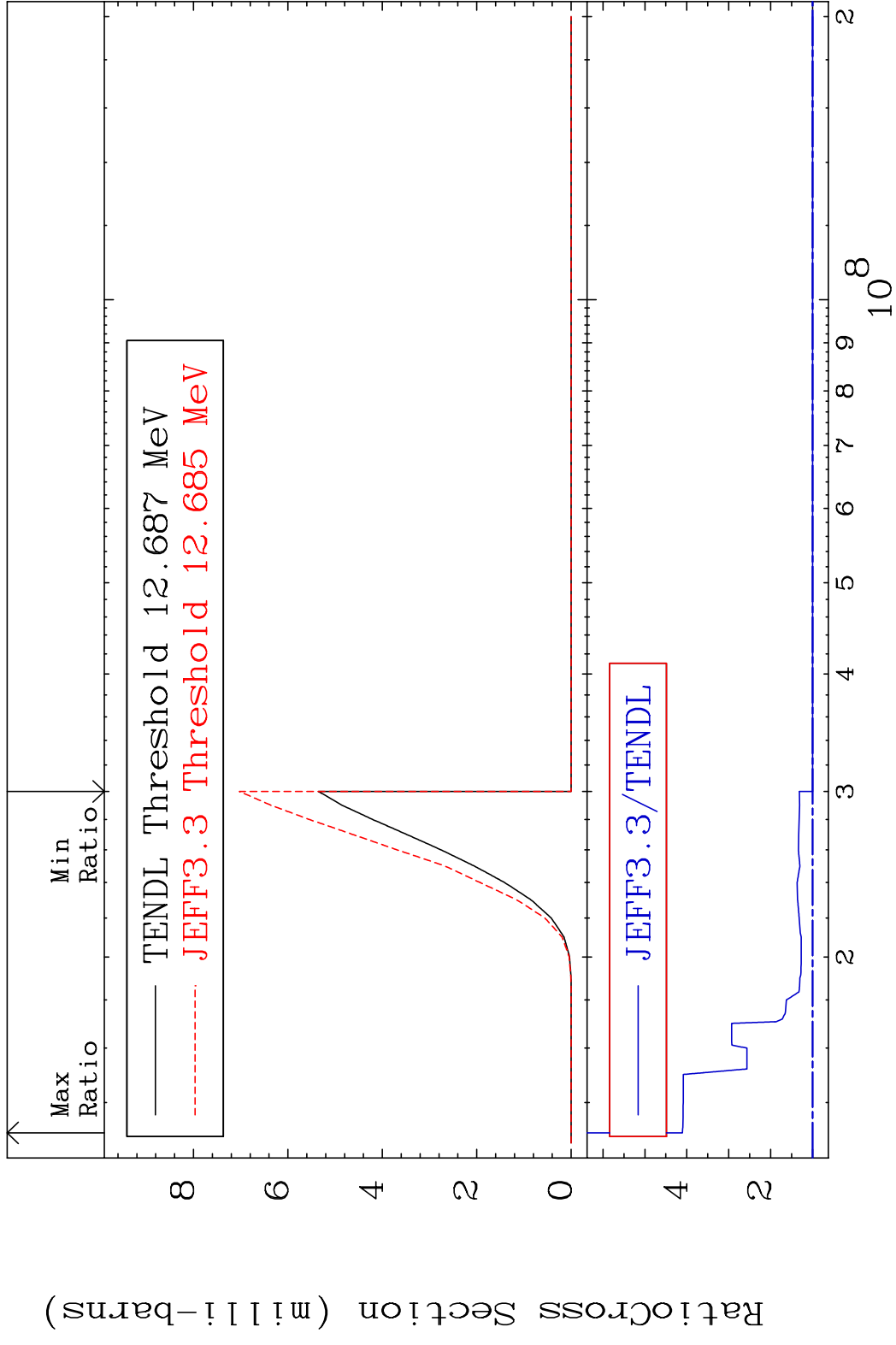




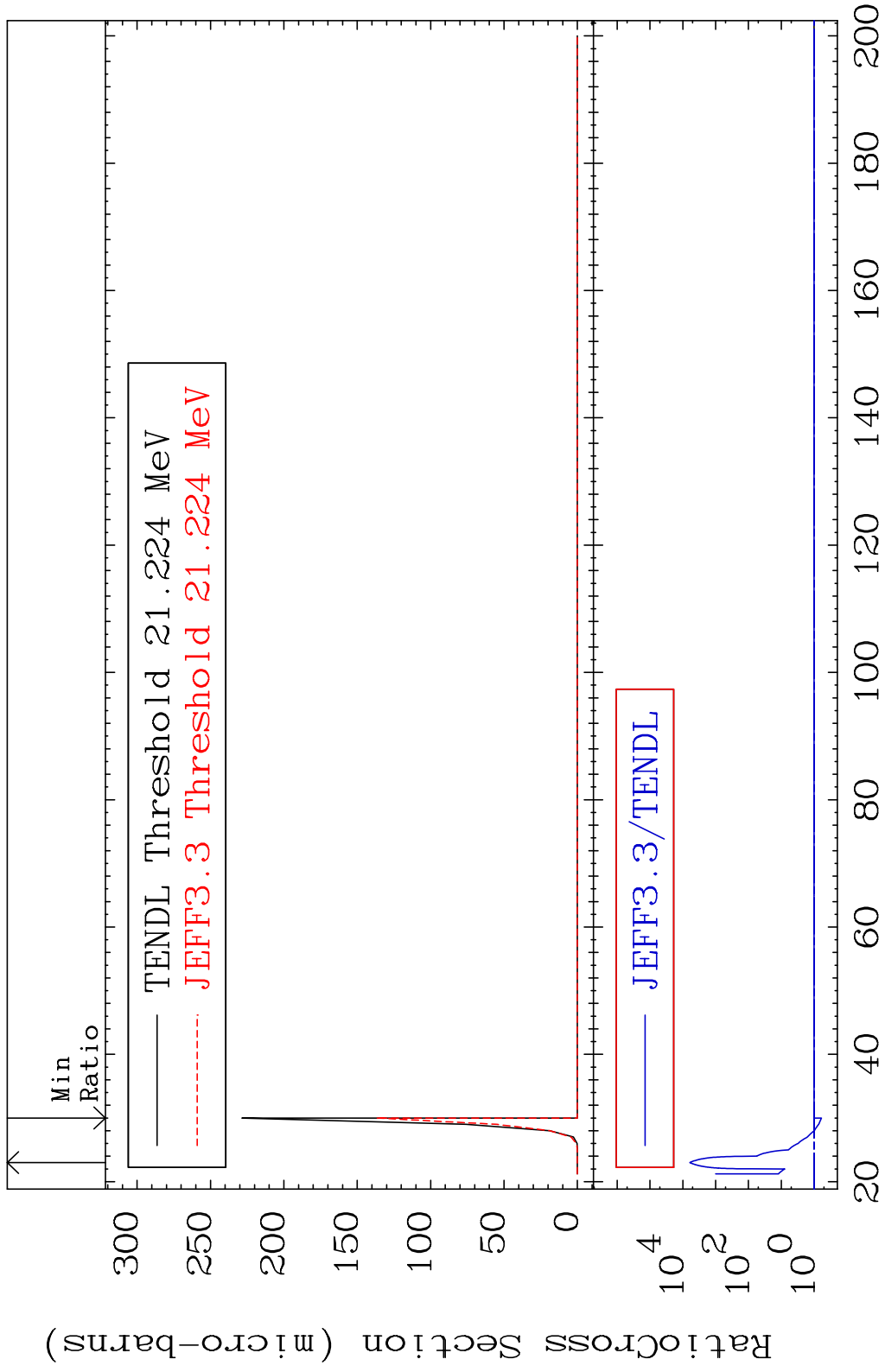
MAT 6034 (n, n') t:59-Pr-142g 60-Nd-145
 Radionuclide Production Cross Section 62.61 dth 507.5 %

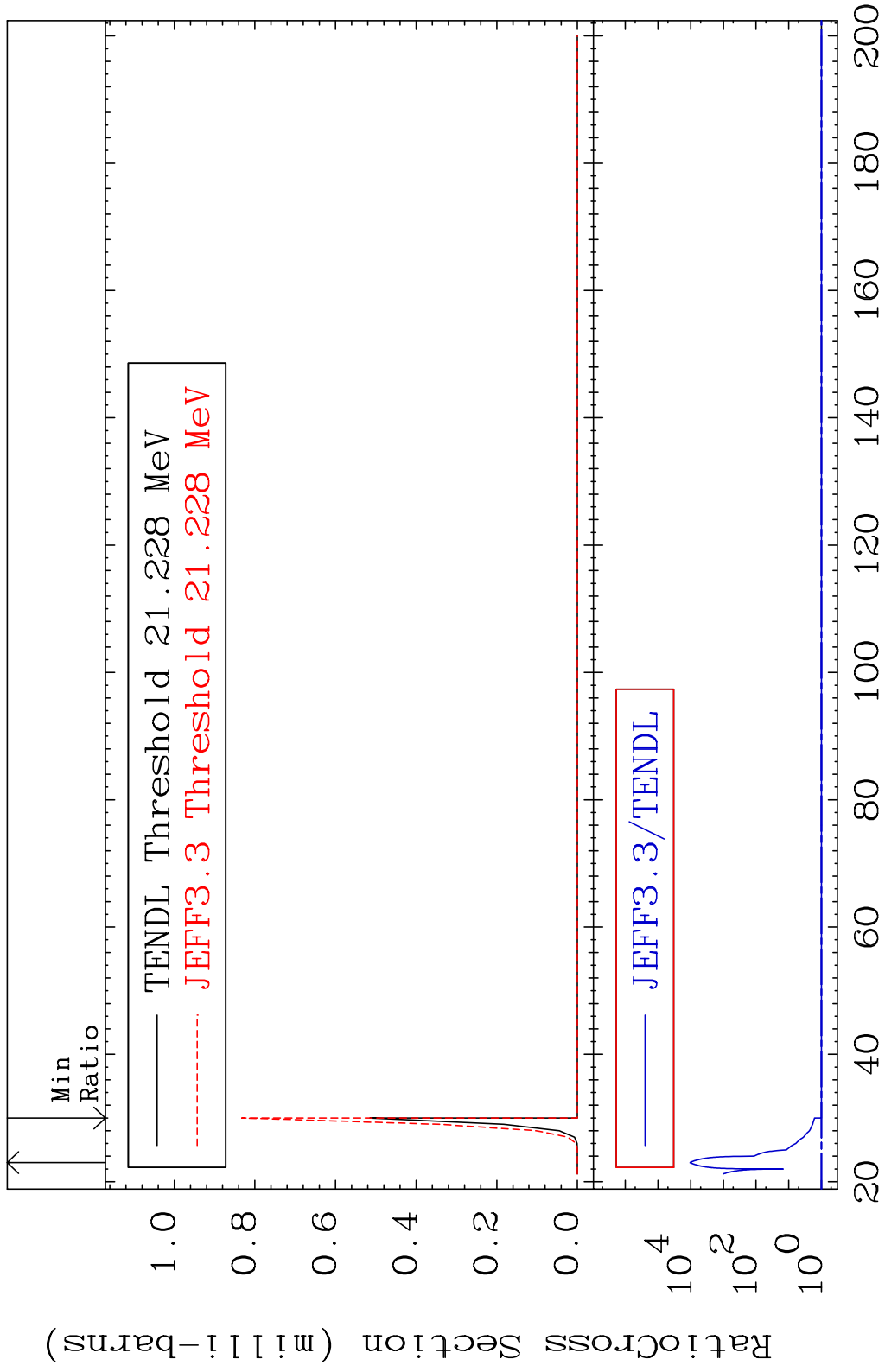


MAT 6034 (n, n') t:59-Pr-142m1 60-Nd-145
 Radionuclide Production Cross Section 310.6 %

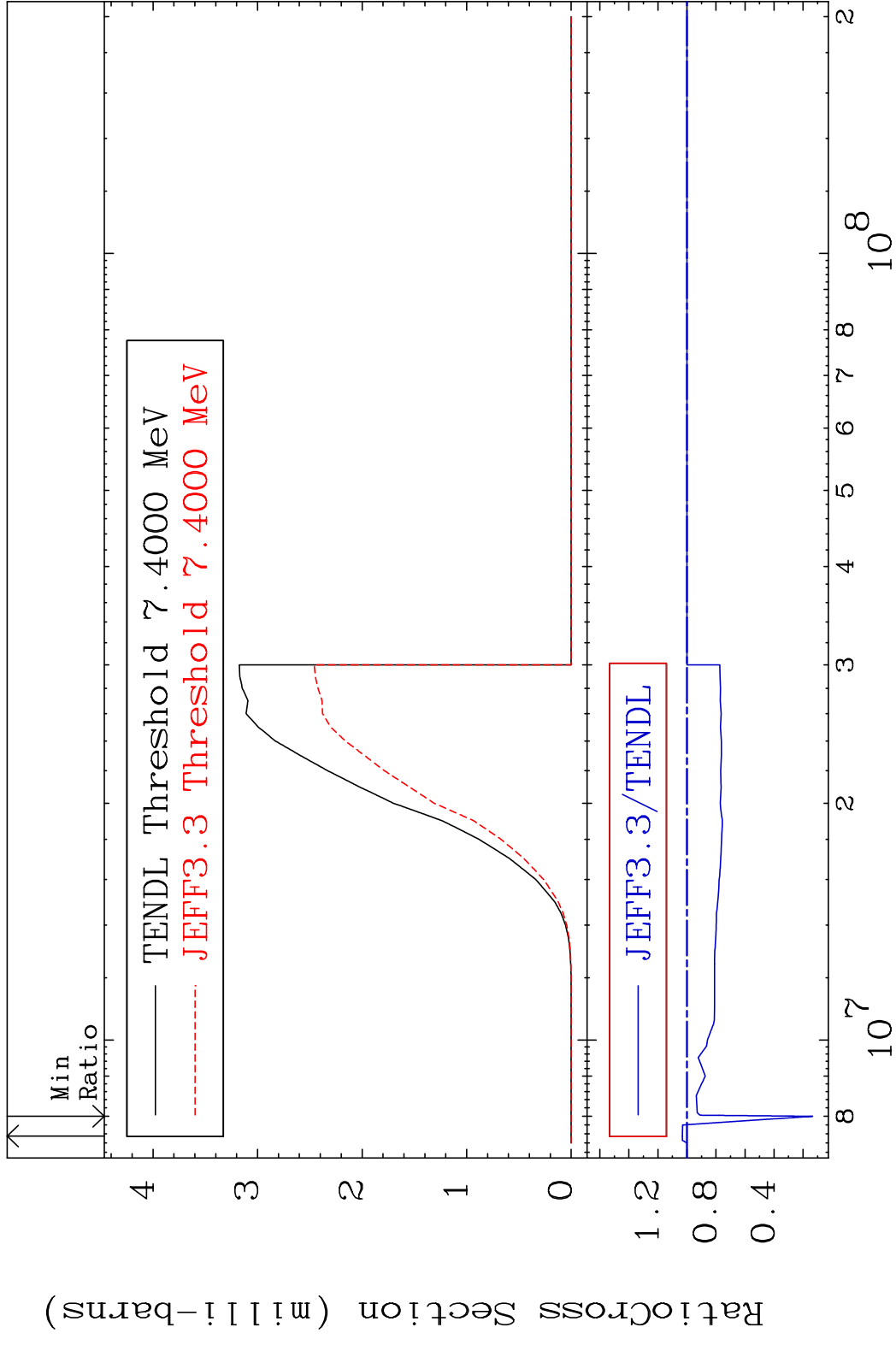


MAT 6034 (n,3n) p:59-Pr-142g 60-Nd-145
 Radionuclide Production Cross Section to 9999. %





MAT 6034 (n, d):59-Pr-144g 60-Nd-145
 Radionuclide Production Cross Section 3.172 %



MAT 6034 (n, d):59-Pr-144m1 60-Nd-145
 Radionuclide Production Cross Section Ratio 24.56 %

