

Program Complot
(Version 2021-1)

by

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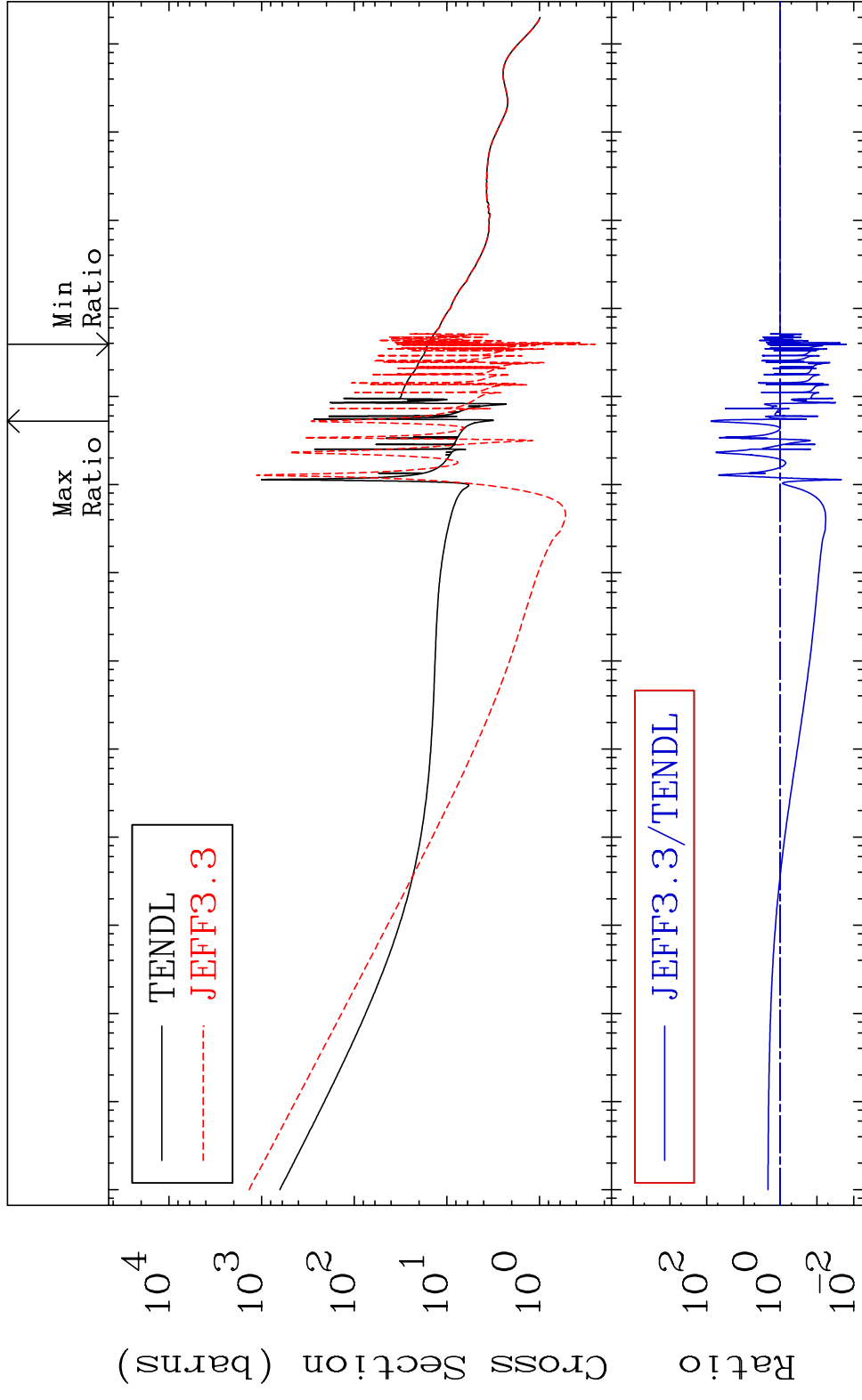
Press Mouse Button to Start

MAT 2428

Total

24-Cr-51

Cross Section -98.42 To 7665. %



1

Incident Energy (eV)

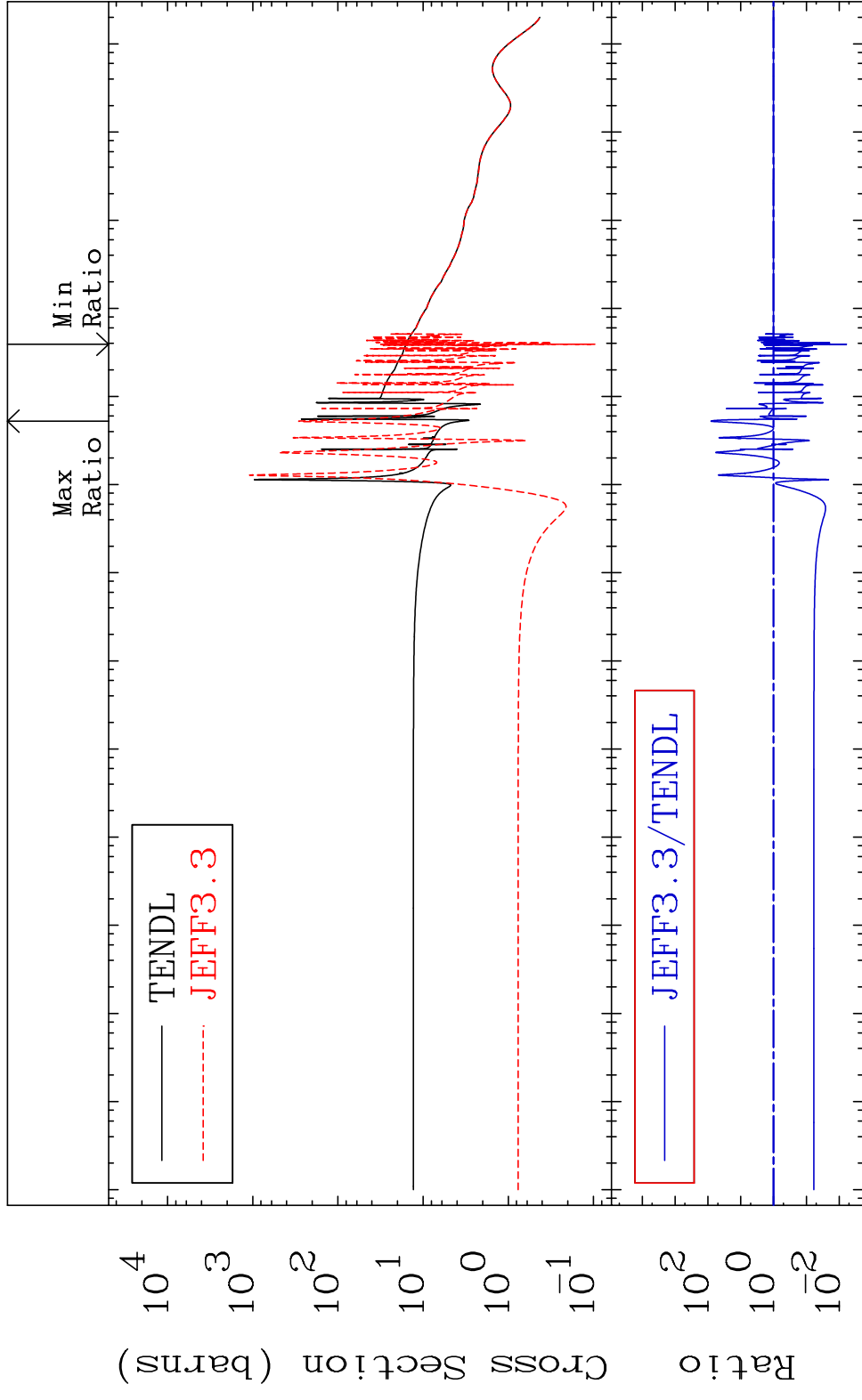
24-Cr-51

MAT 2428

24-Cr-51

Elastic

Cross Section -99.39 To 8099. %



2

Incident Energy (eV)

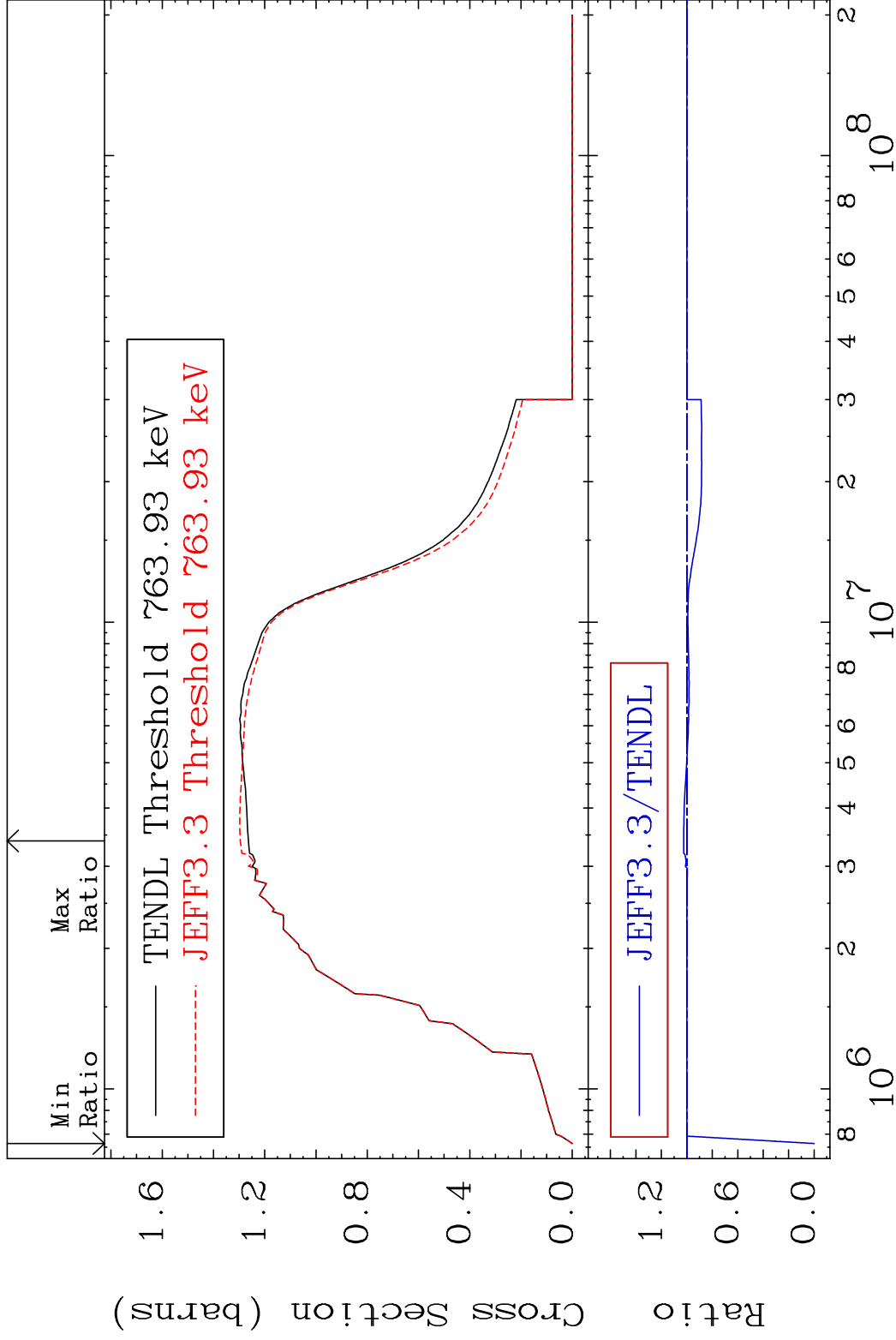
24-Cr-51

MAT 2428

Inelastic

²⁴Cr-51

Cross Section -100.0 To 2.486 %

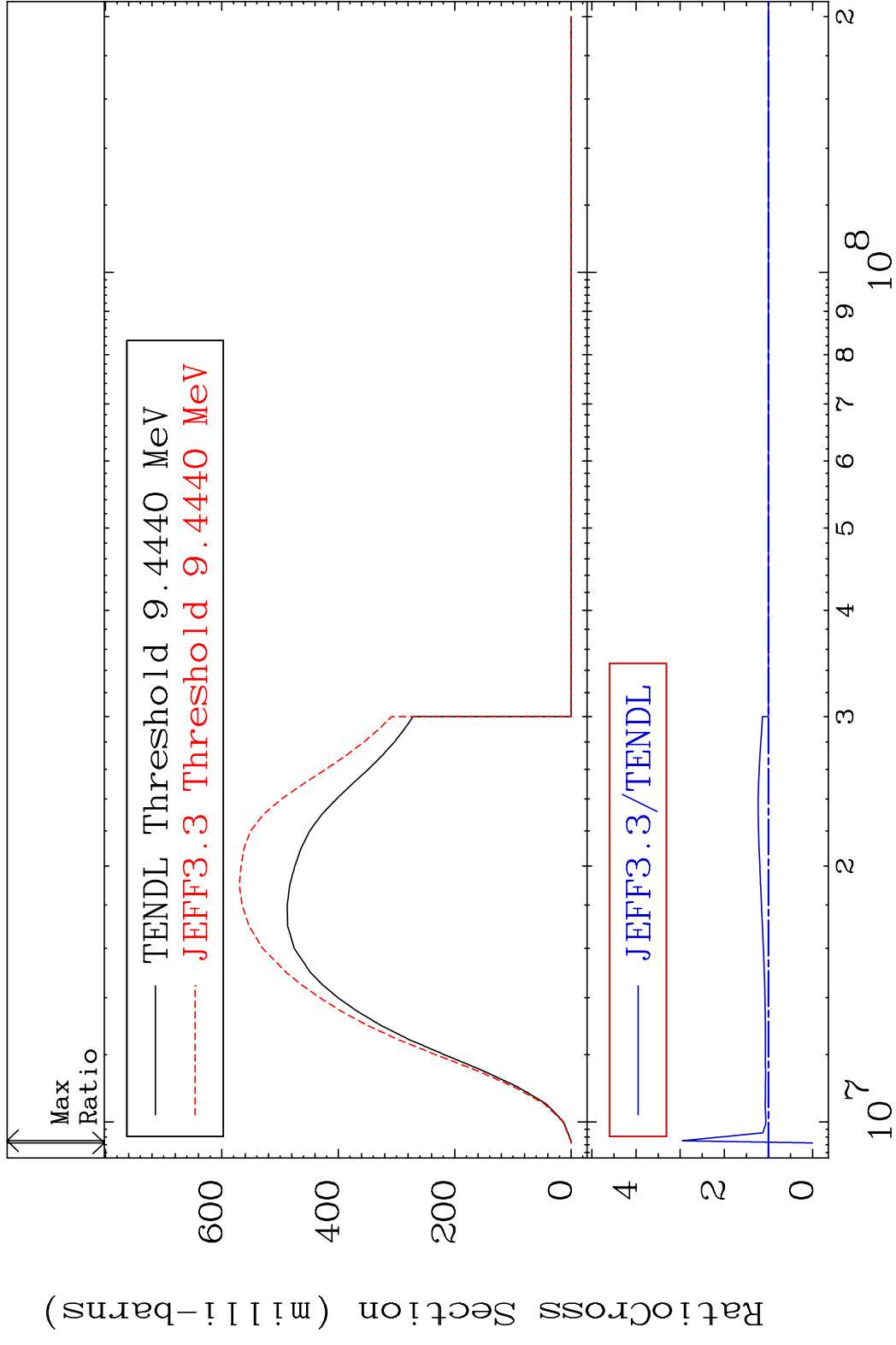


3

Incident Energy (eV)

²⁴Cr-51

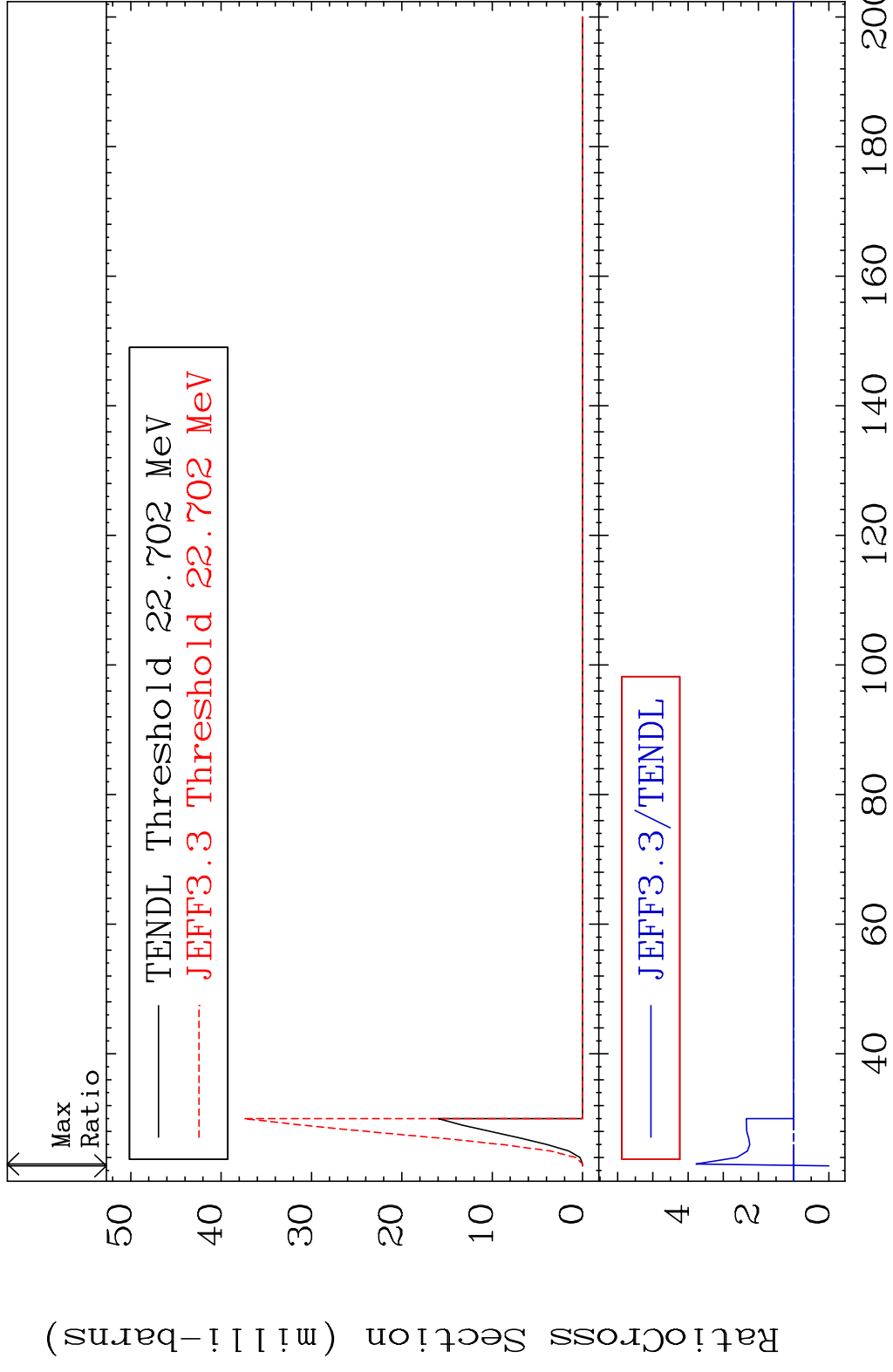
MAT 2428 (n,2n) ²⁴Cr-51
 Cross Section -100.0 To 195.1 %



4 2

24-Cr-51

MAT 2428 (n,3n) ²⁴Cr-51
 Cross Section -100.0 To 277.4 %

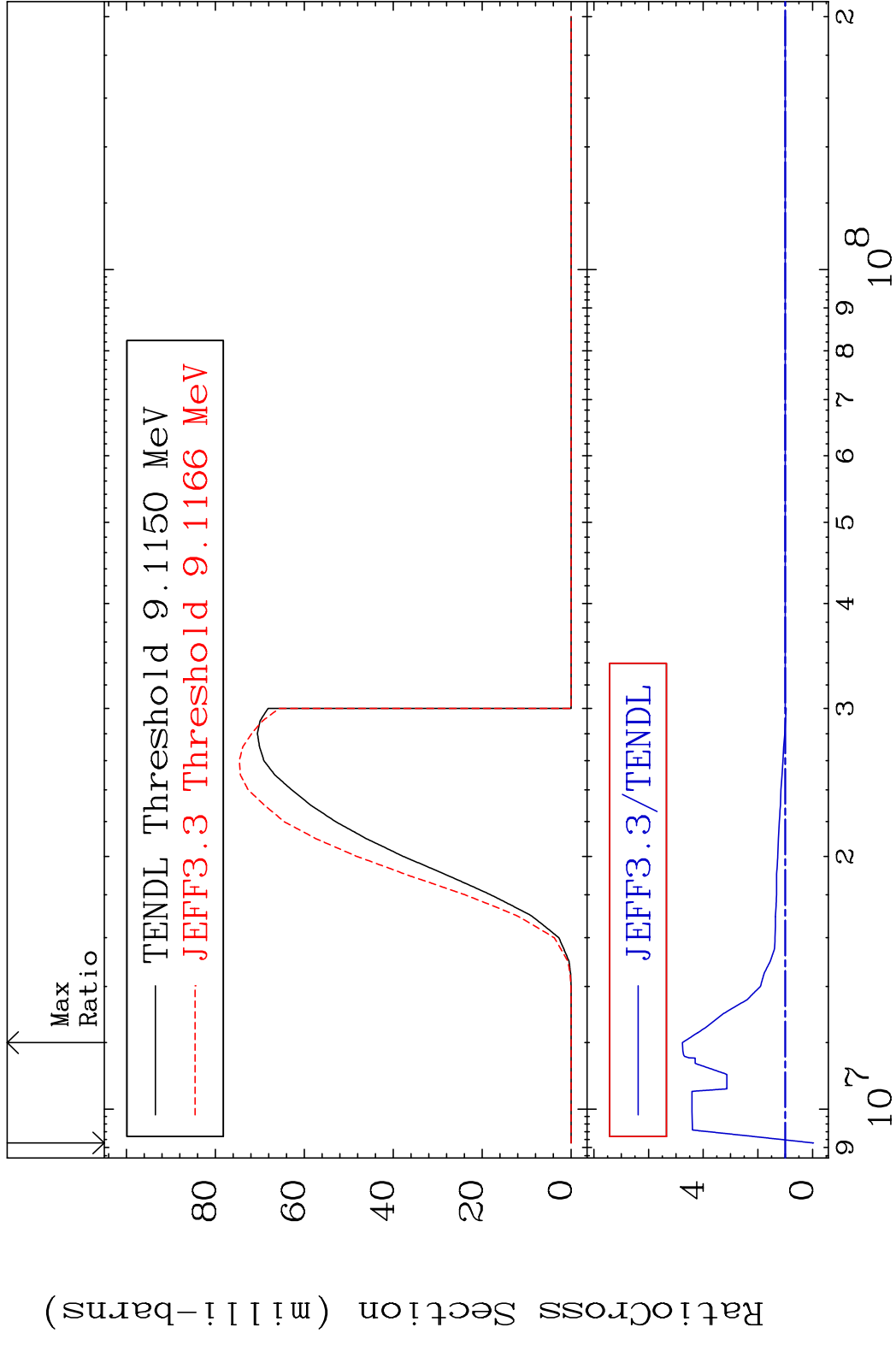


MAT 2428

(n, n') α

²⁴Cr-51

Cross Section -100.0 To 376.5 %

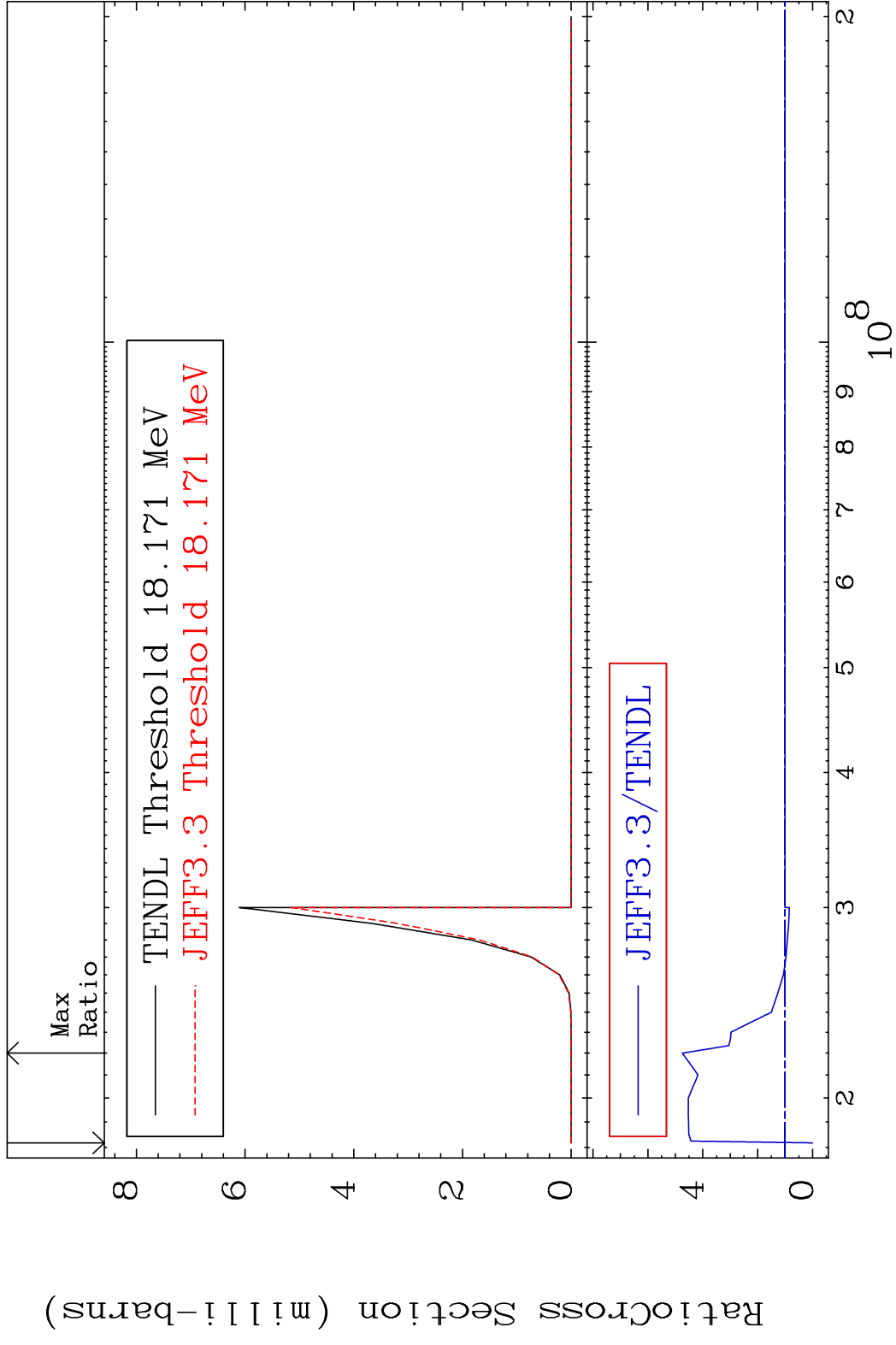


6

Incident Energy (eV)

²⁴Cr-51

MAT 2428 (n,2n) α ²⁴Cr-51
 Cross Section -100.0 To 374.4 %

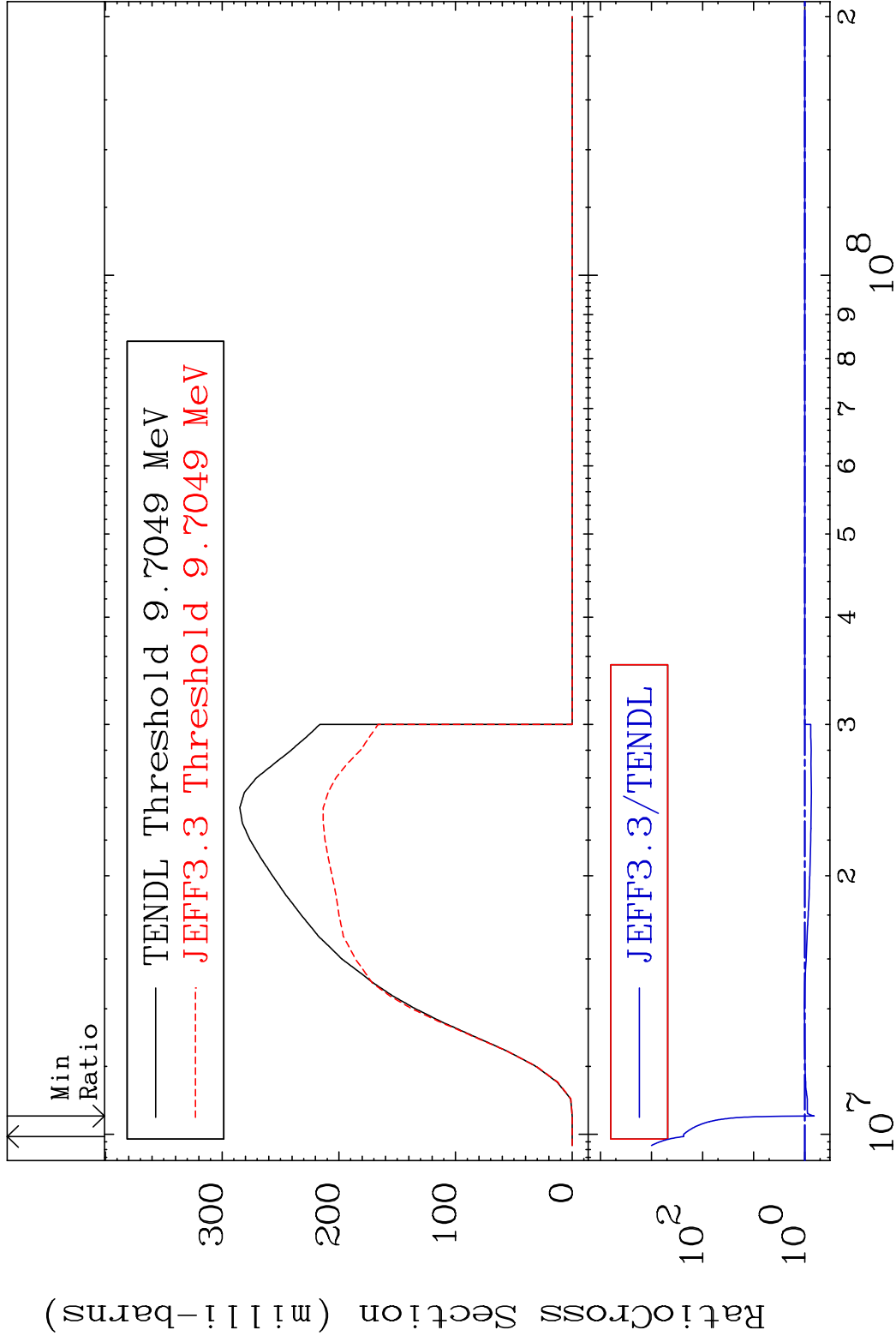


MAT 2428

(n, n') p

24-Cr-51

Cross Section -34.22 To 9999. %

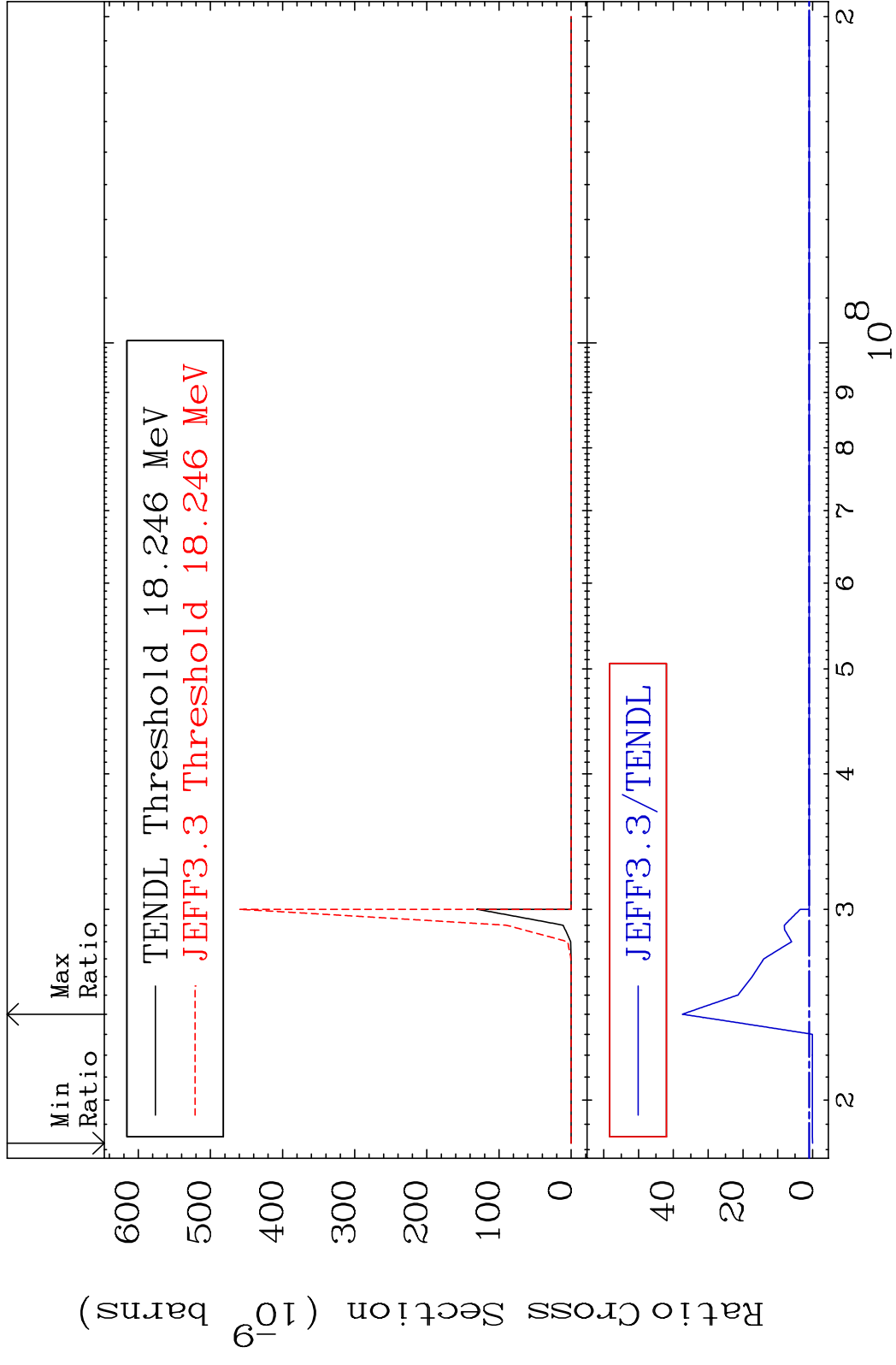


8

Incident Energy (eV)

24-Cr-51

MAT 2428 (n, n') 2α 24-Cr-51
 Cross Section -100.0 To 3642. %

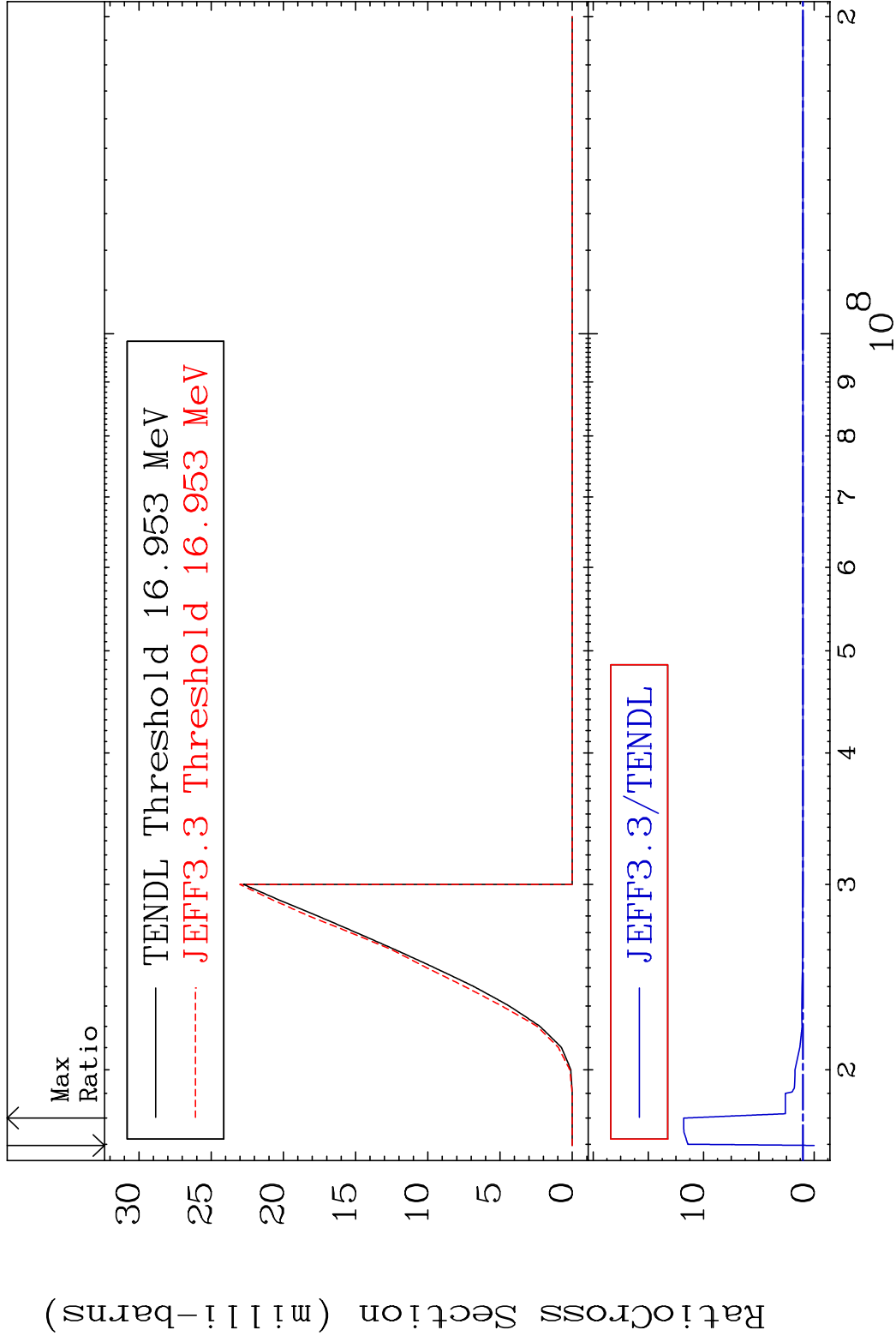


MAT 2428

(n, n') d

²⁴Cr-51

Cross Section -100.0 To 1081. %

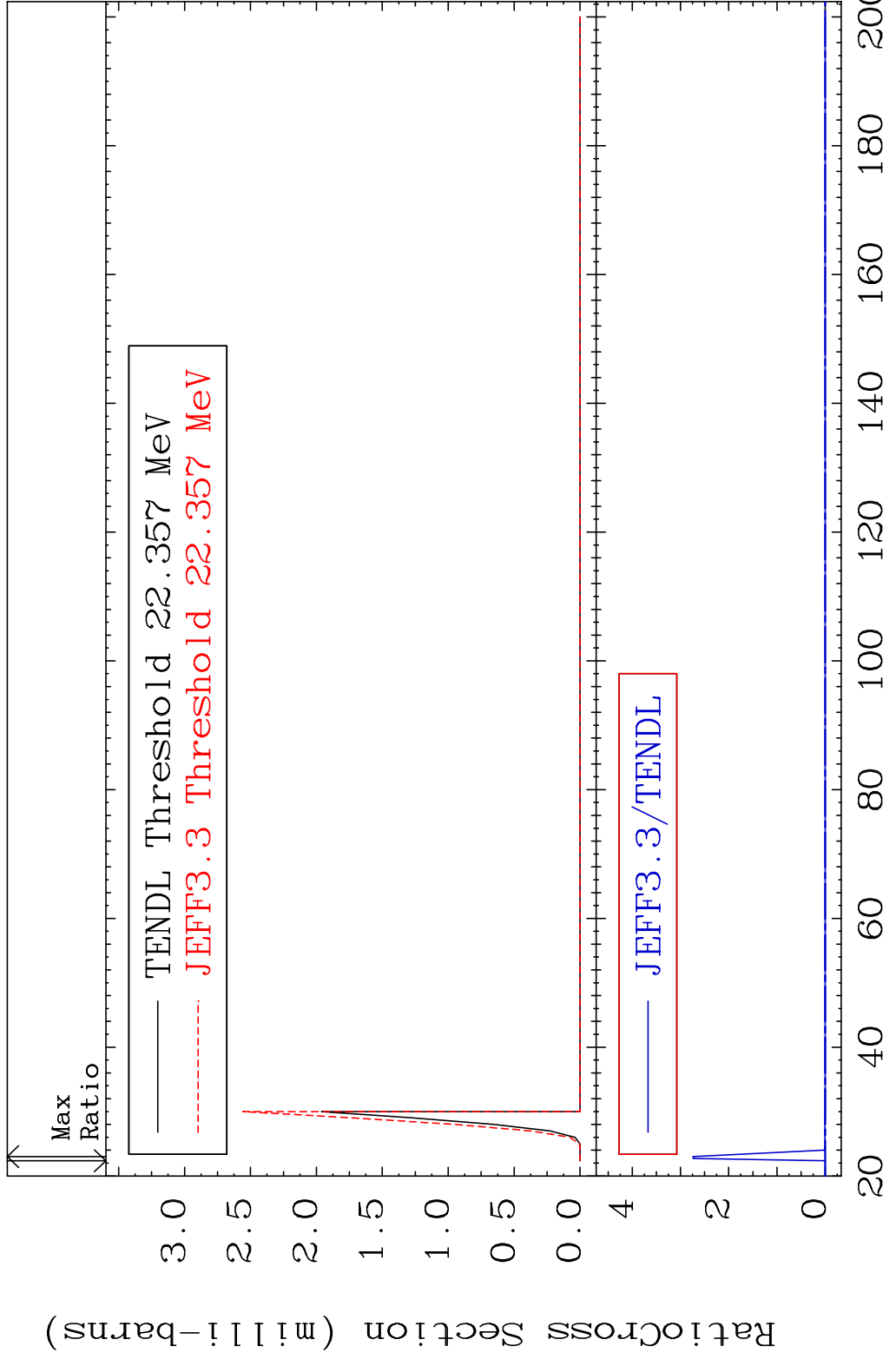


10

Incident Energy (eV)

²⁴Cr-51

MAT 2428 (n, n') t 24-Cr-51
 Cross Section -100.0 To 9999. %

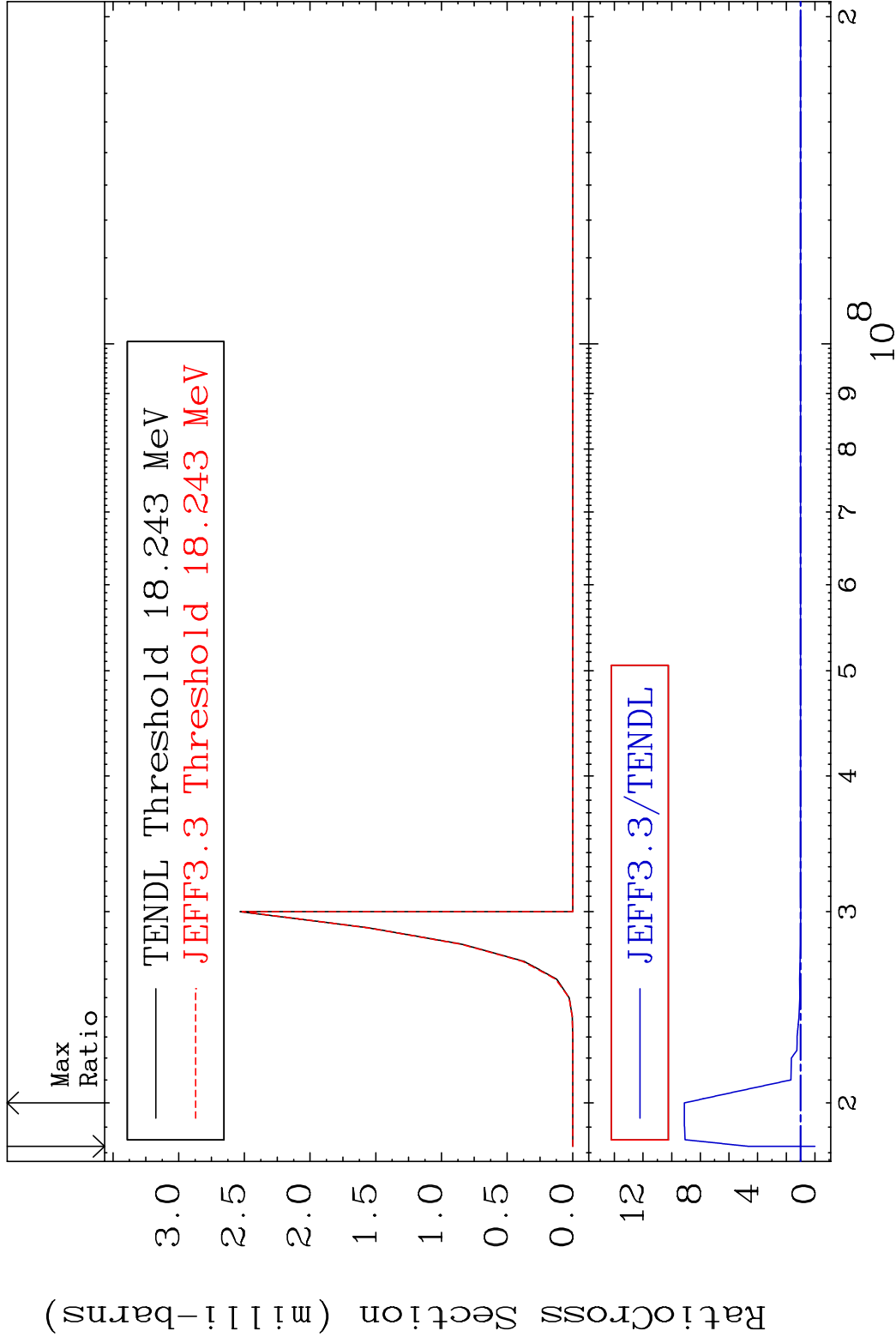


MAT 2428

(n,n') He-3

24-Cr-51

Cross Section -100.0 To 811.9 %

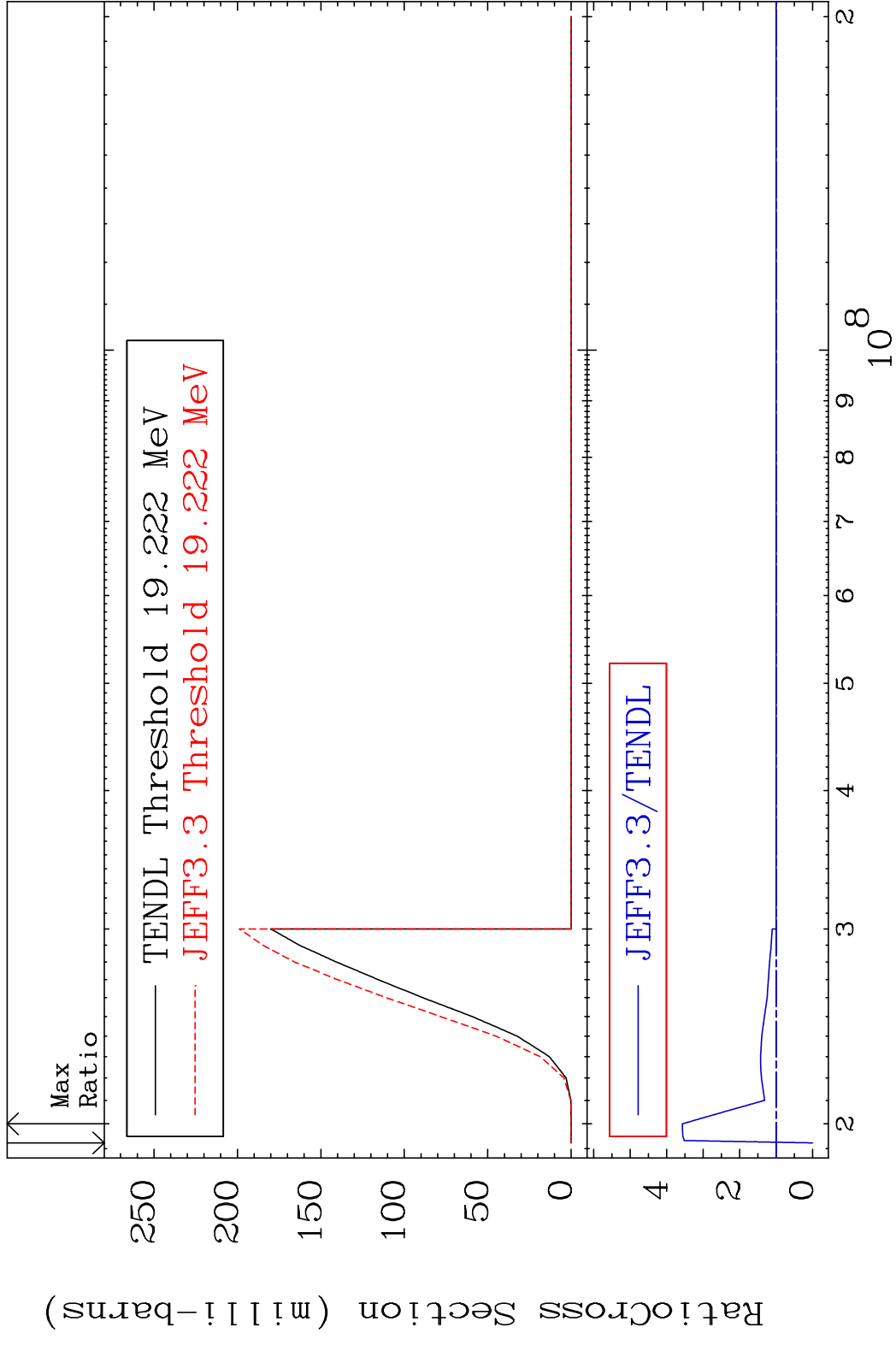


12

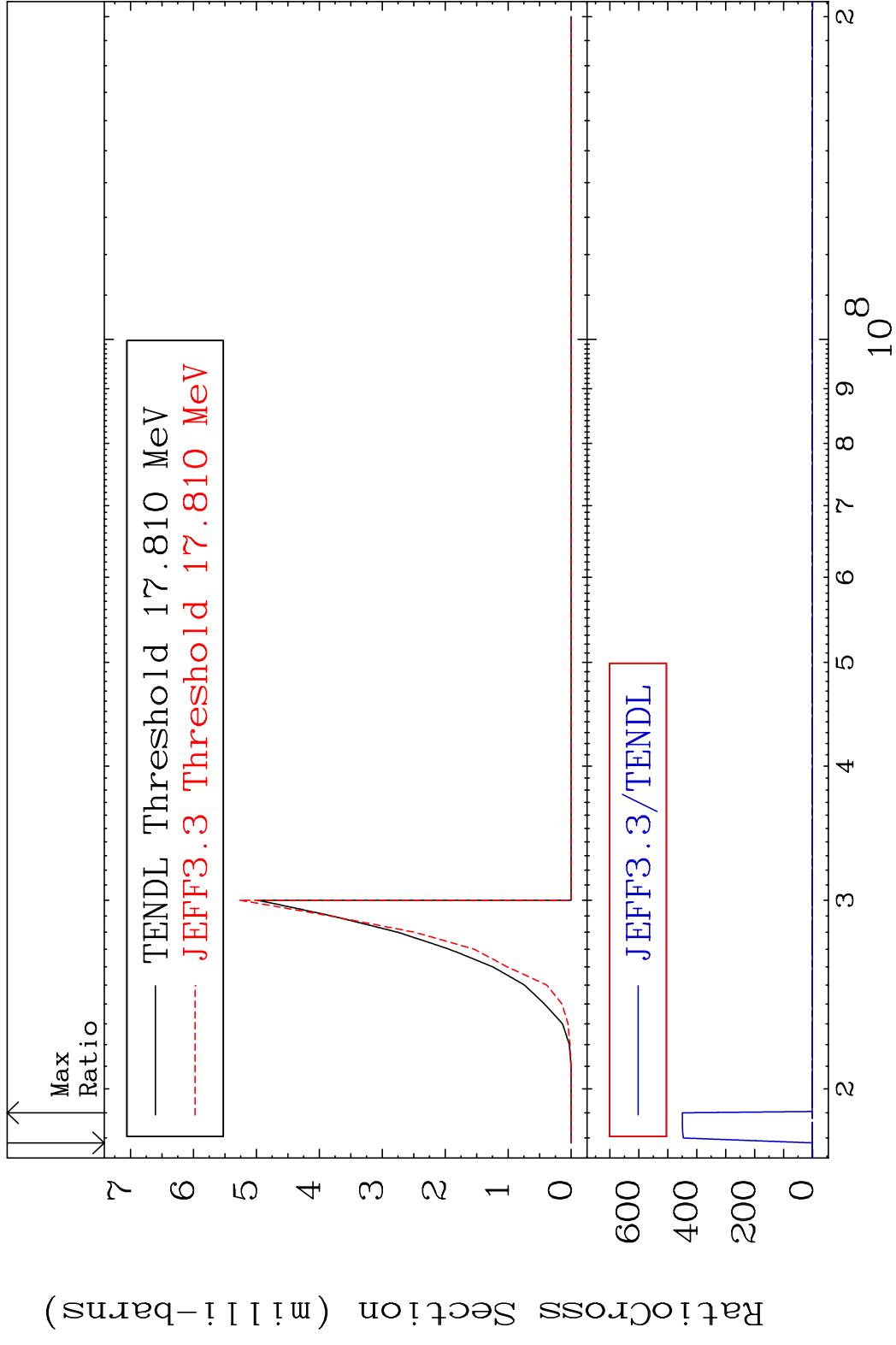
Incident Energy (eV)

24-Cr-51

MAT 2428 (n,2n) p 24-Cr-51
 Cross Section -100.0 To 256.8 %

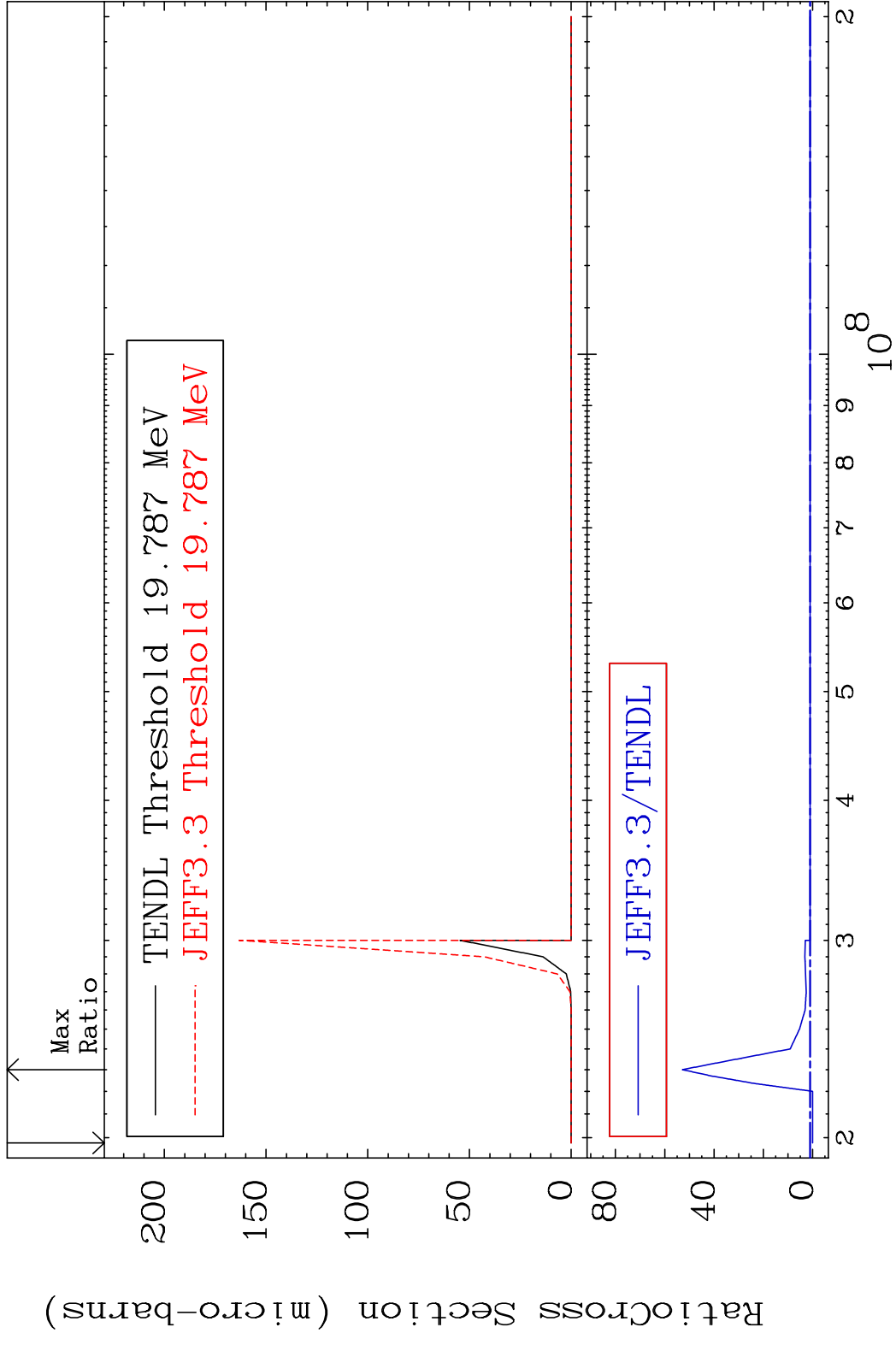


MAT 2428 (n,2n) p 24-Cr-51
 Cross Section -100.0 To 9999. %



MAT 2428

(n,n') p α ²⁴Cr-51
Cross Section -100.0 To 5184. %

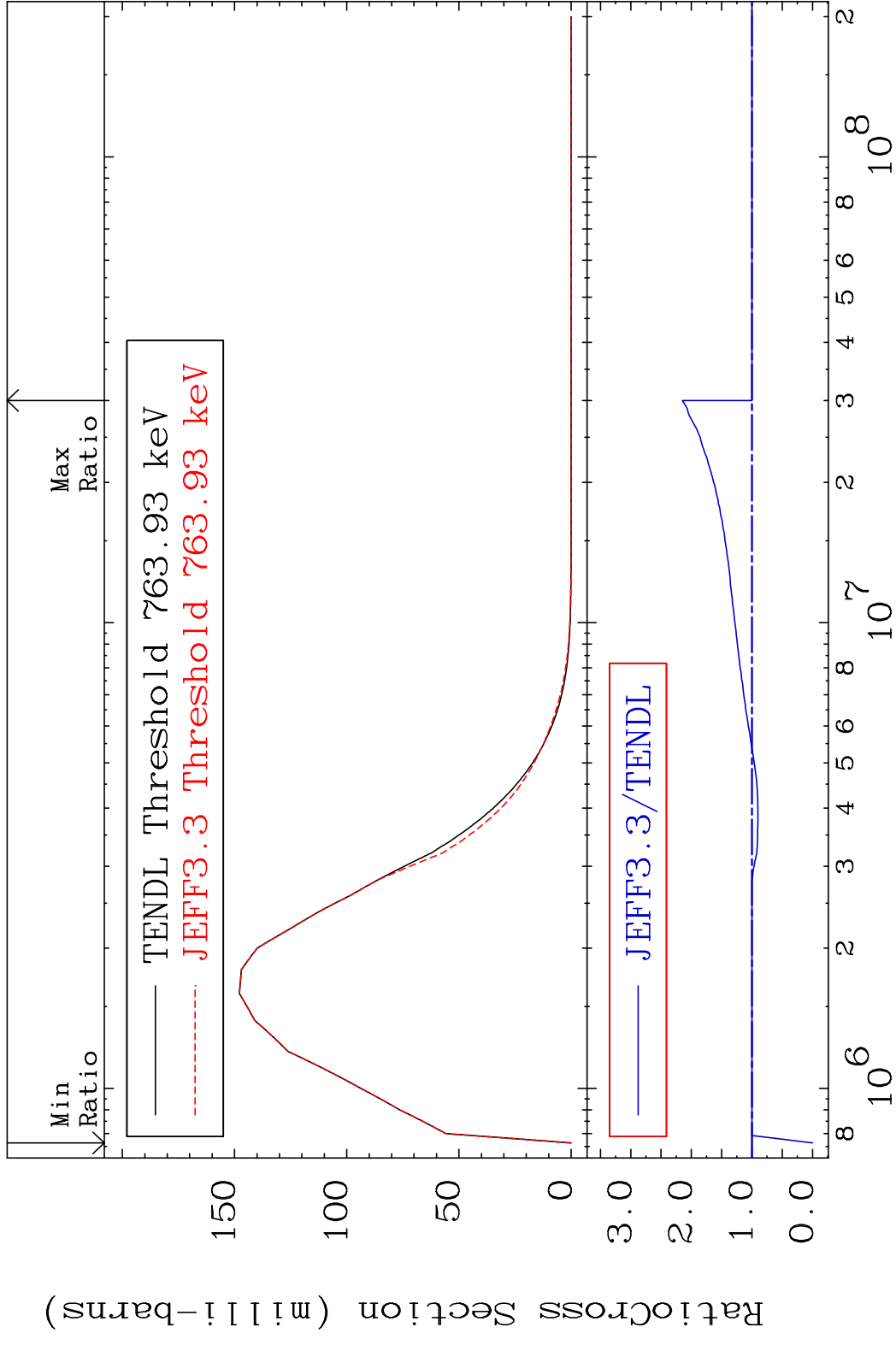


15

Incident Energy (eV)

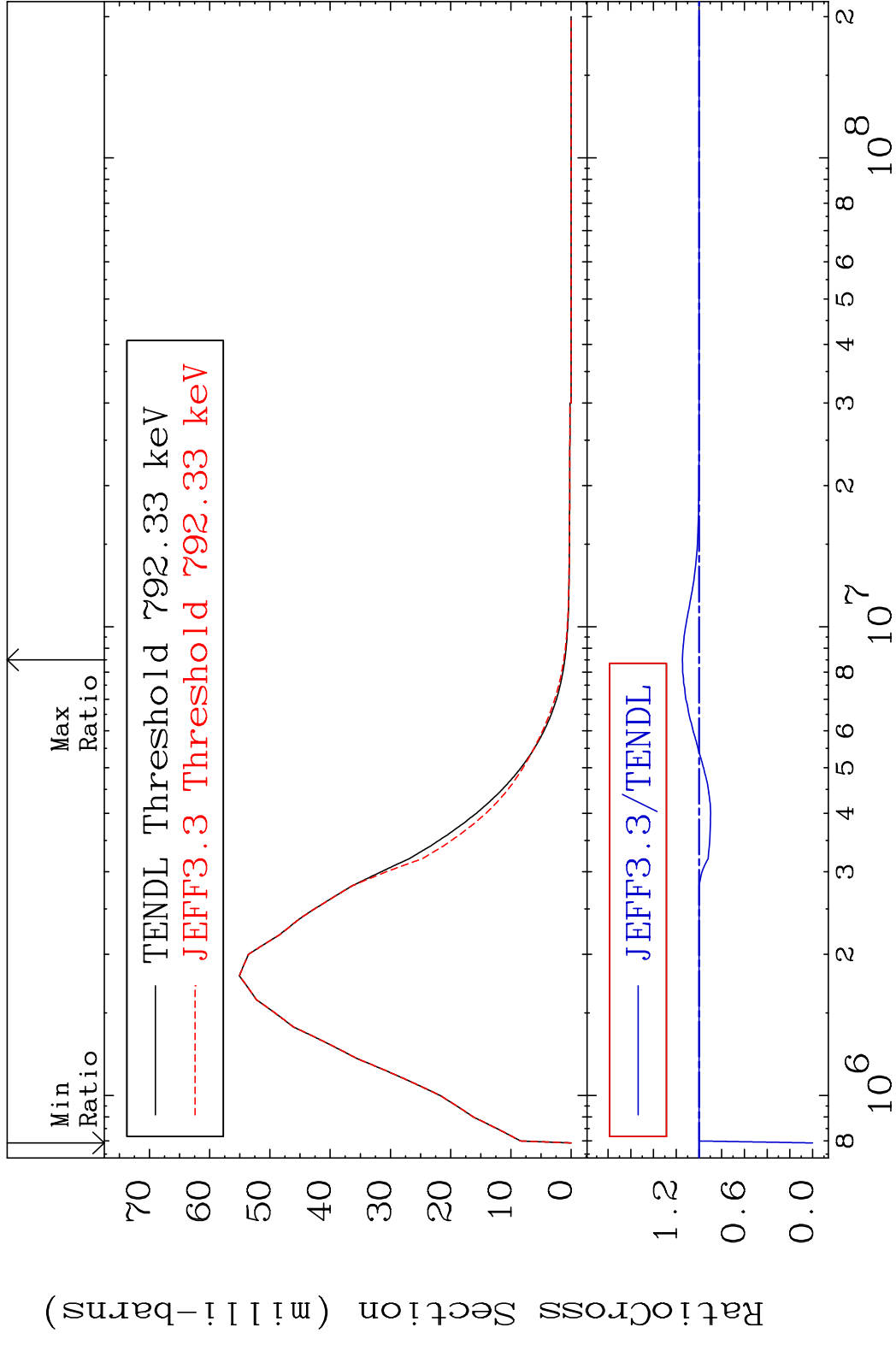
²⁴Cr-51

MAT 2428 MT= 51 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 114.8 %

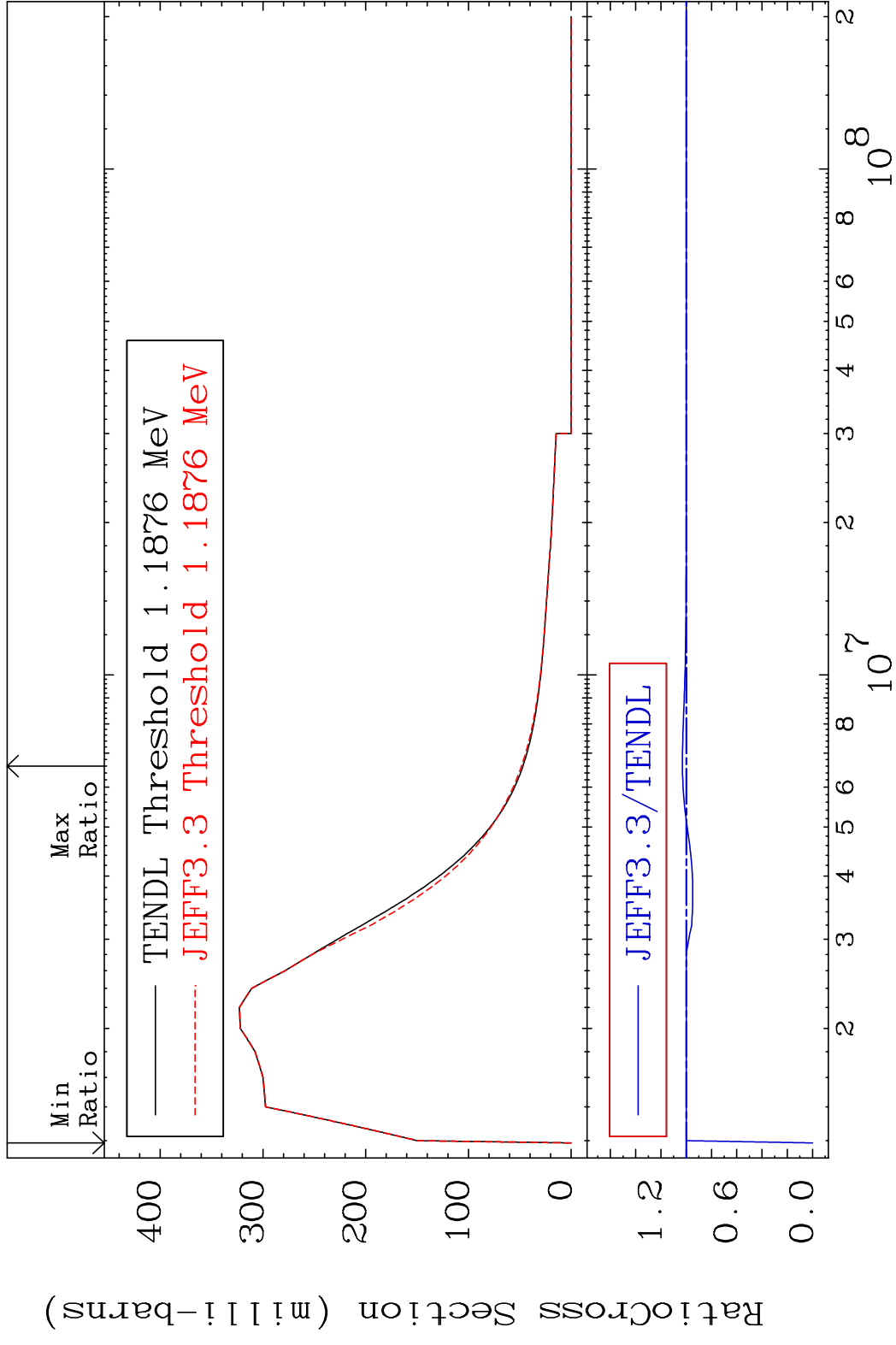


16 Incident Energy (eV) 24-Cr-51

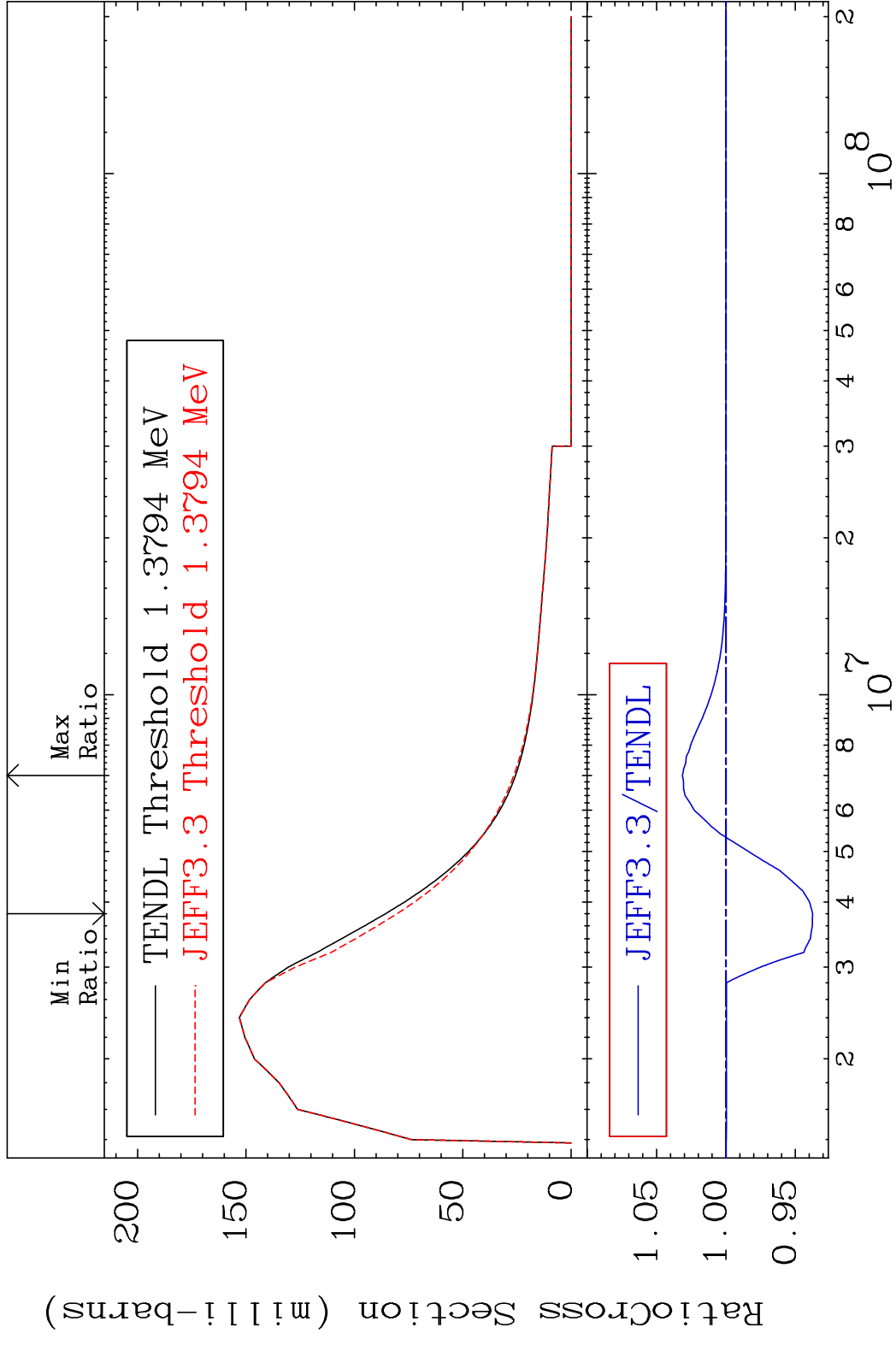
MAT 2428 MT= 52 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 14.62 %



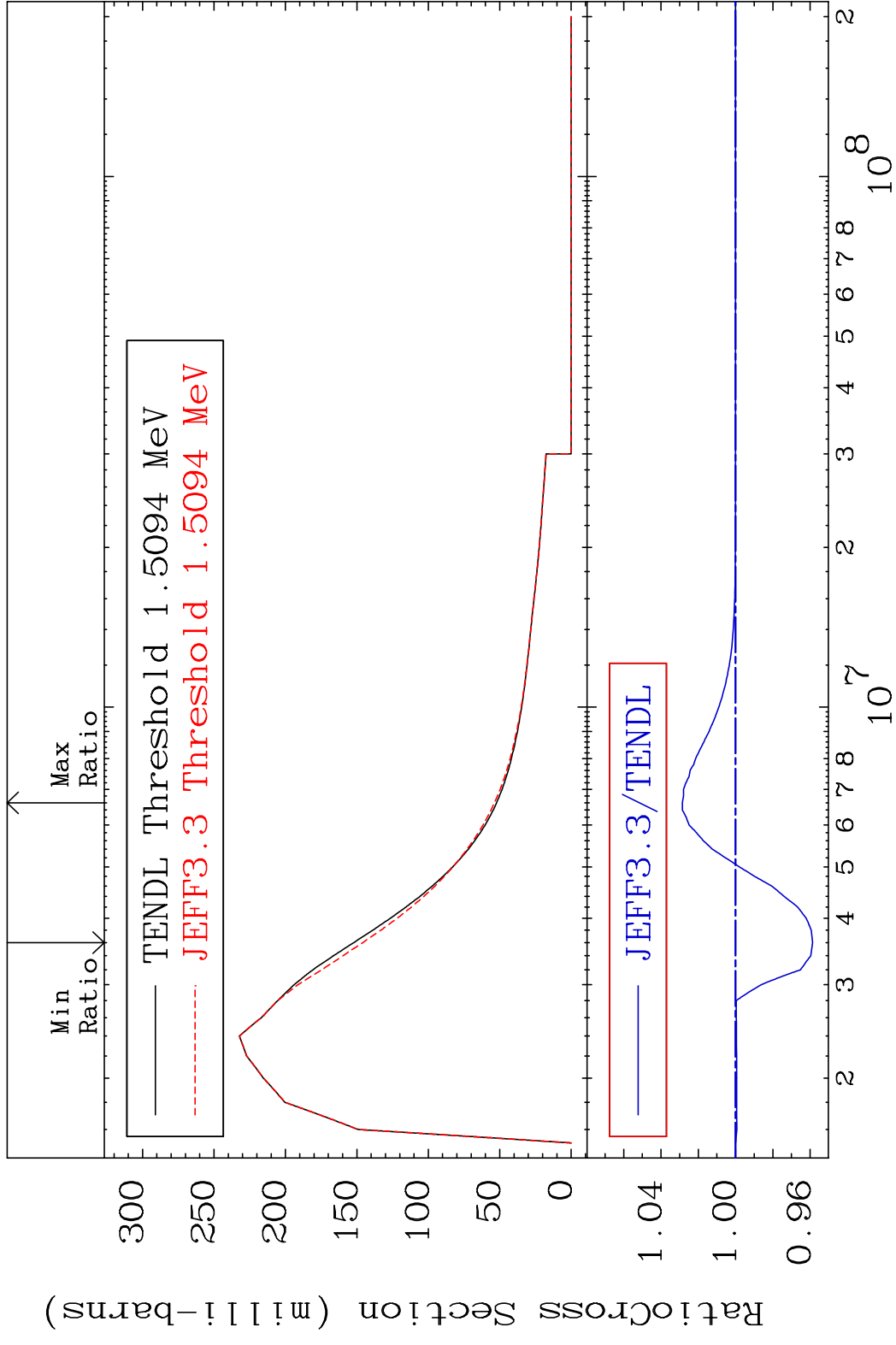
MAT 2428 MT= 53 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 3.060 %



MAT 2428 MT= 54 (n, n') Level 24-Cr-51
 Cross Section -6.238 To 3.145 %

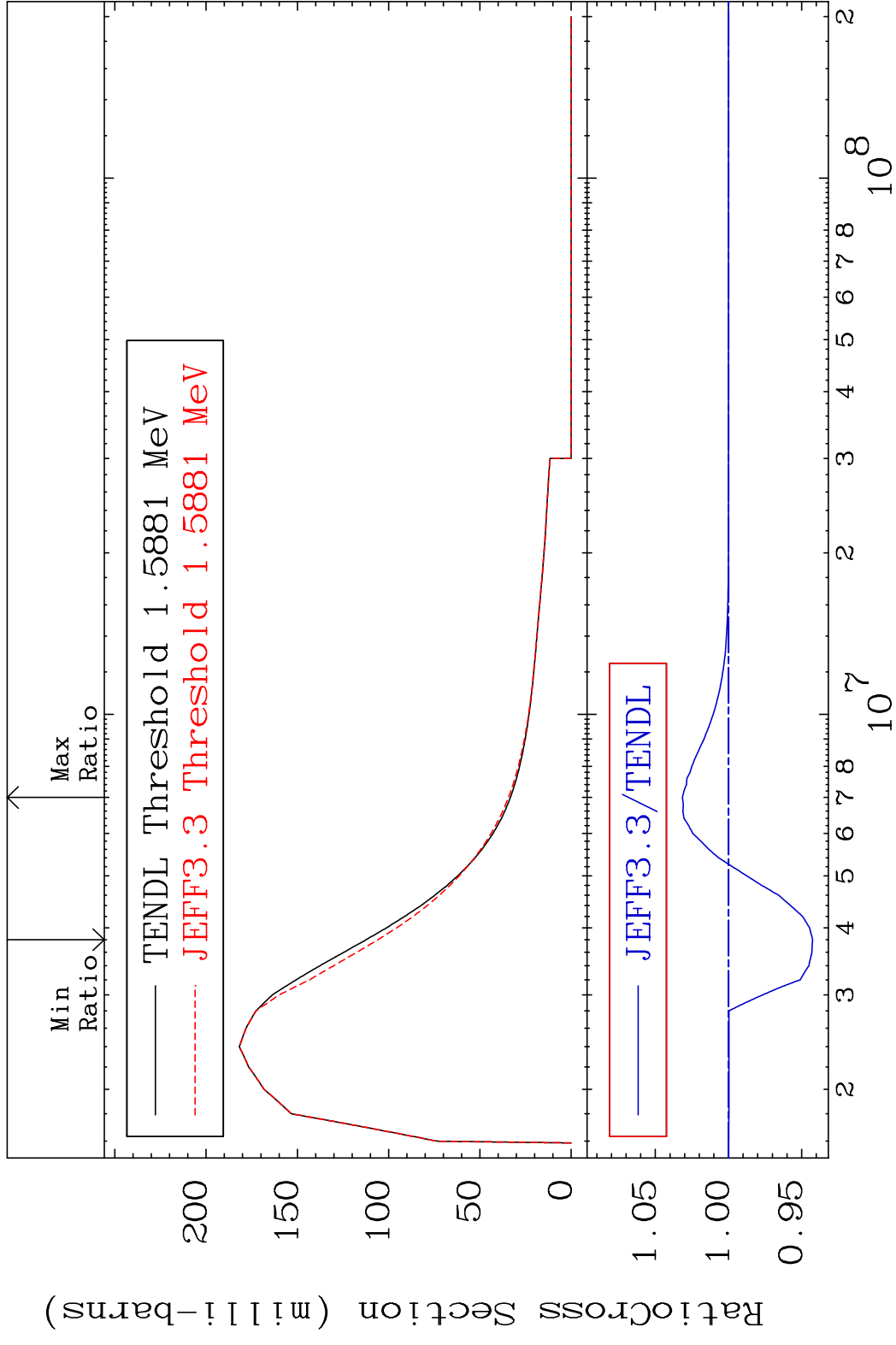


MAT 2428 MT= 55 (n, n') Level 24-Cr-51
 Cross Section -4.132 To 2.853 %

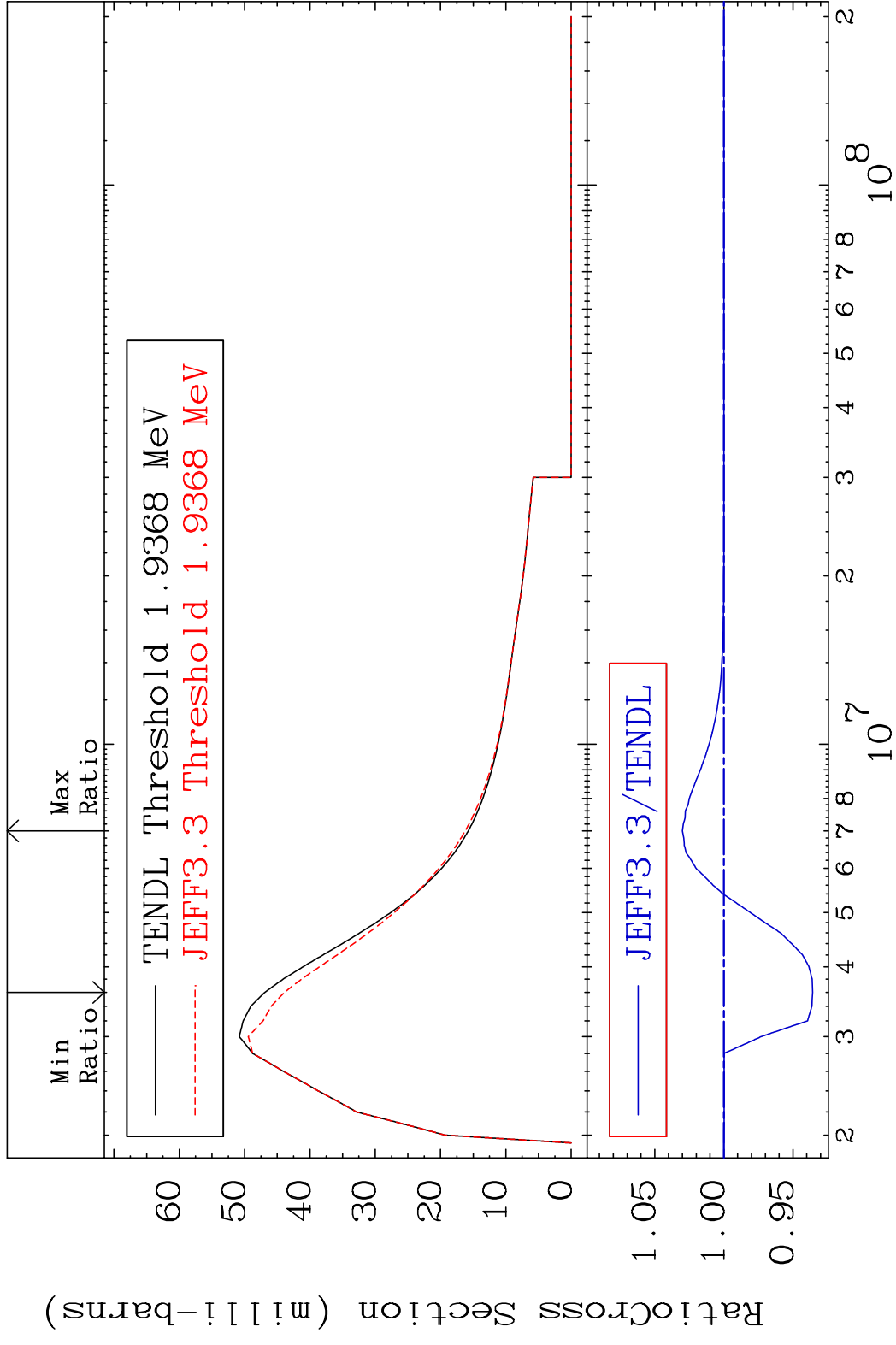


20 Incident Energy (eV) 24-Cr-51

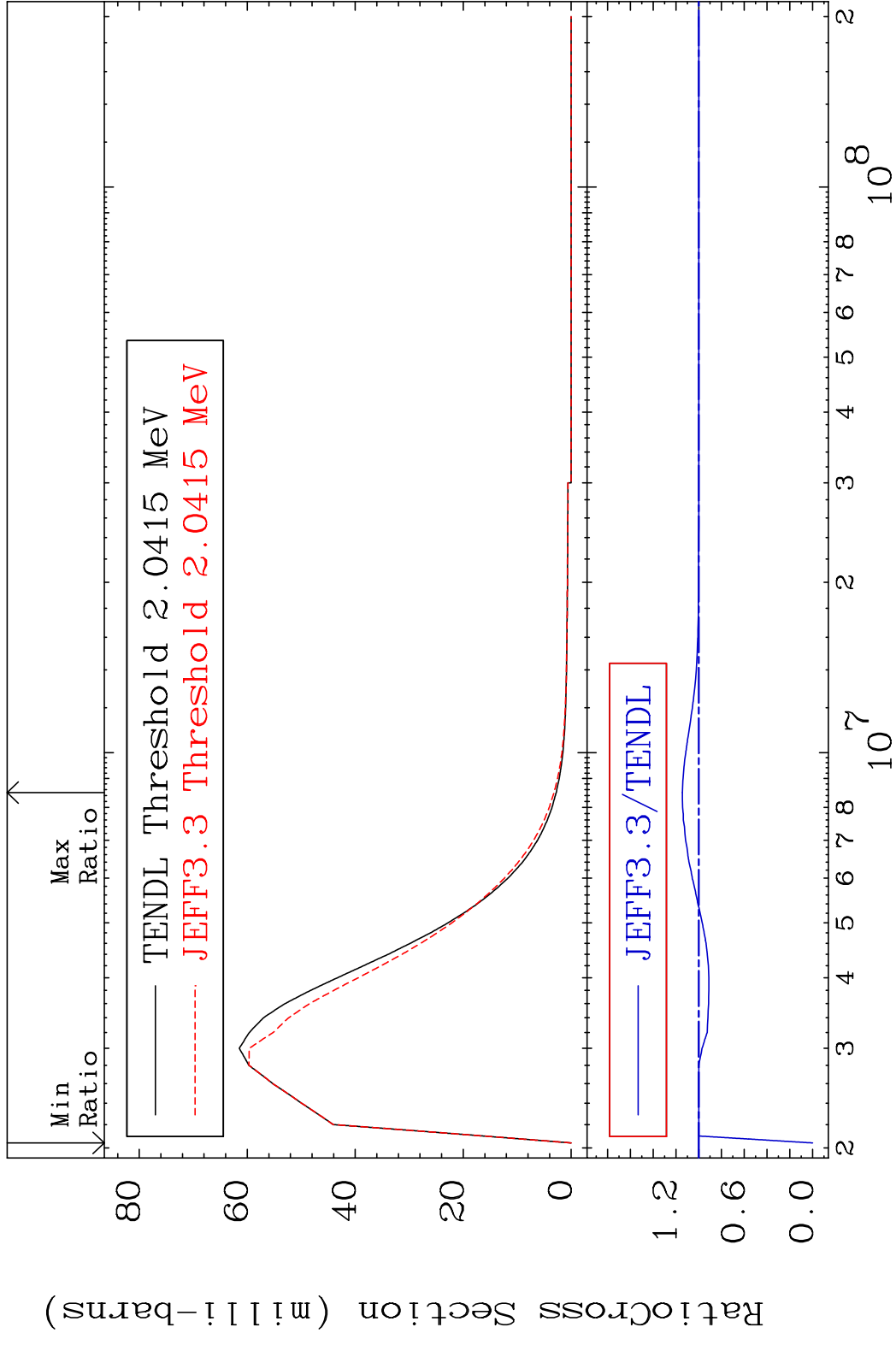
MAT 2428 MT= 56 (n,n') Level 24-Cr-51
 Cross Section -5.746 To 3.154 %



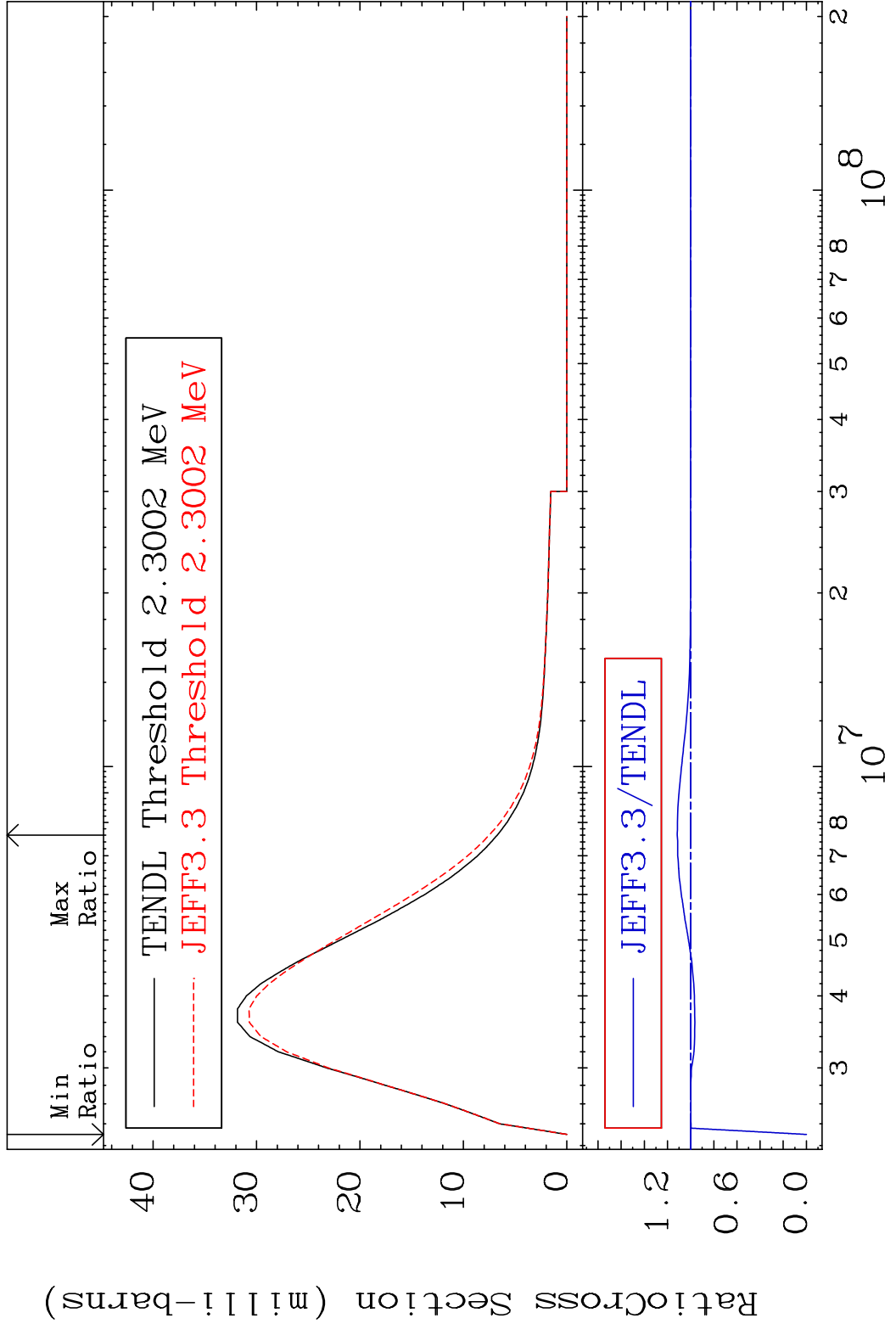
MAT 2428 MT= 57 (n,n') Level 24-Cr-51
 Cross Section -6.418 To 3.004 %



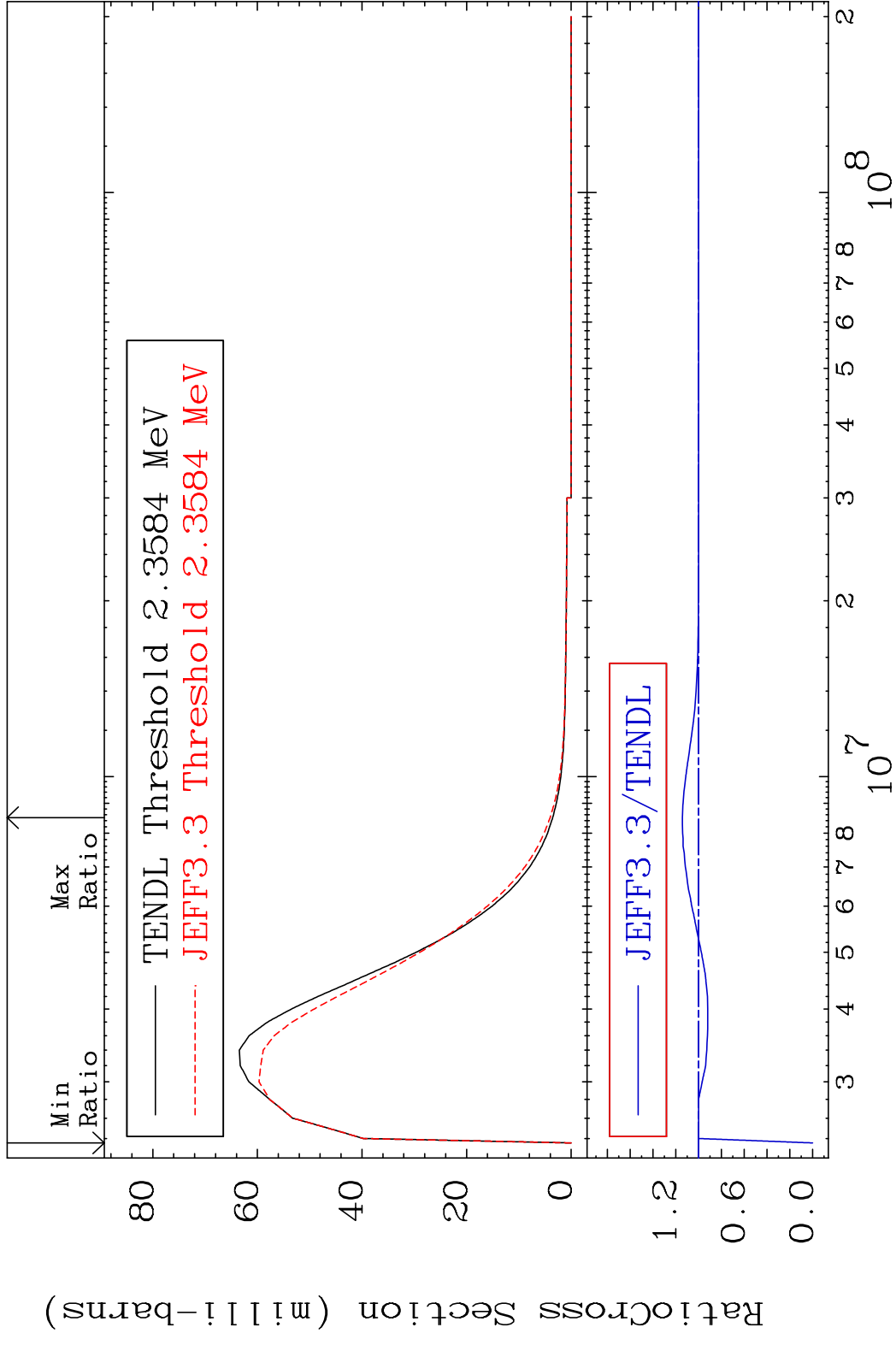
MAT 2428 MT= 58 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 14.37 %



MAT 2428 MT= 59 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 11.61 %



MAT 2428 MT= 60 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 14.21 %

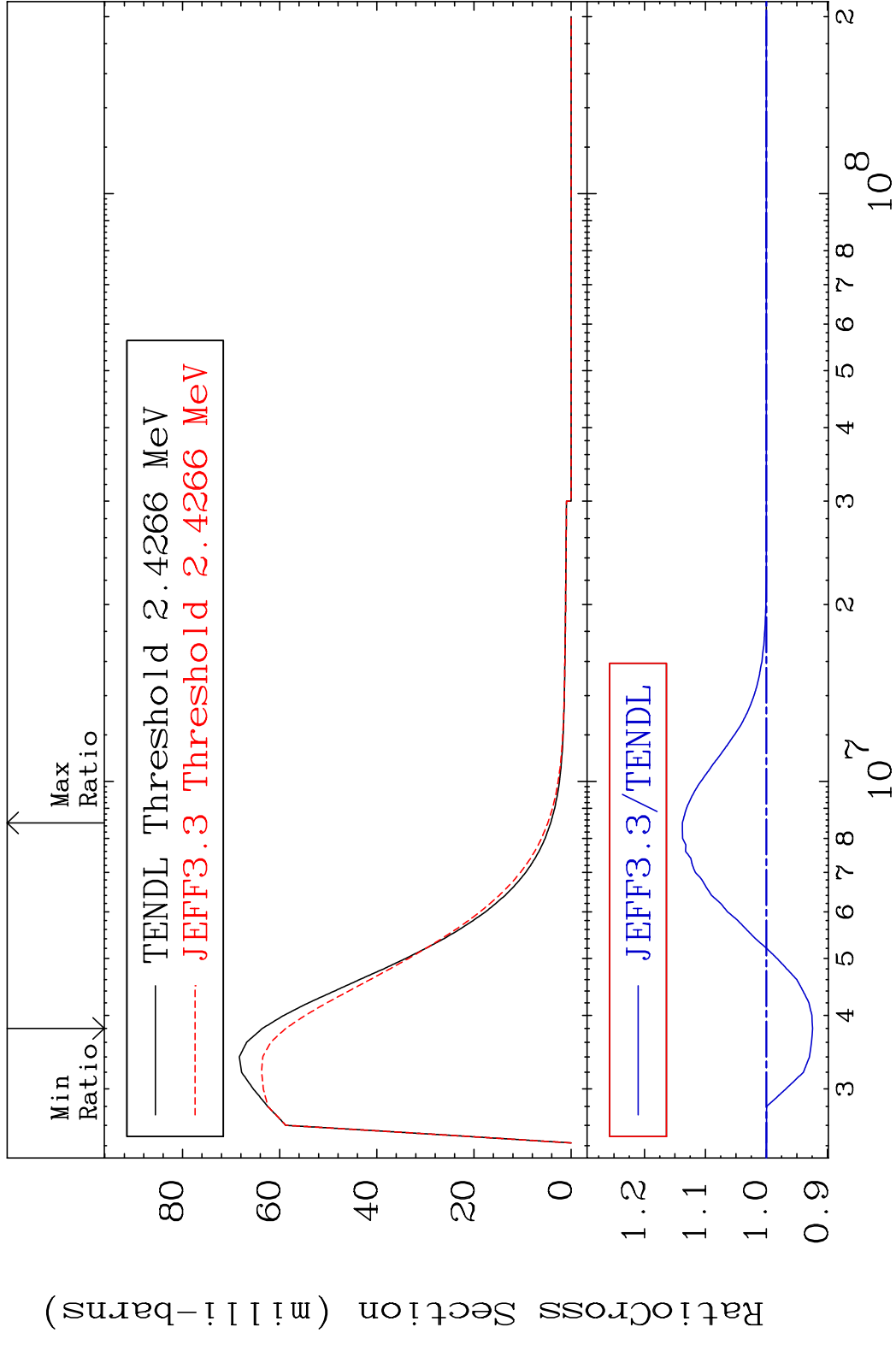


MAT 2428

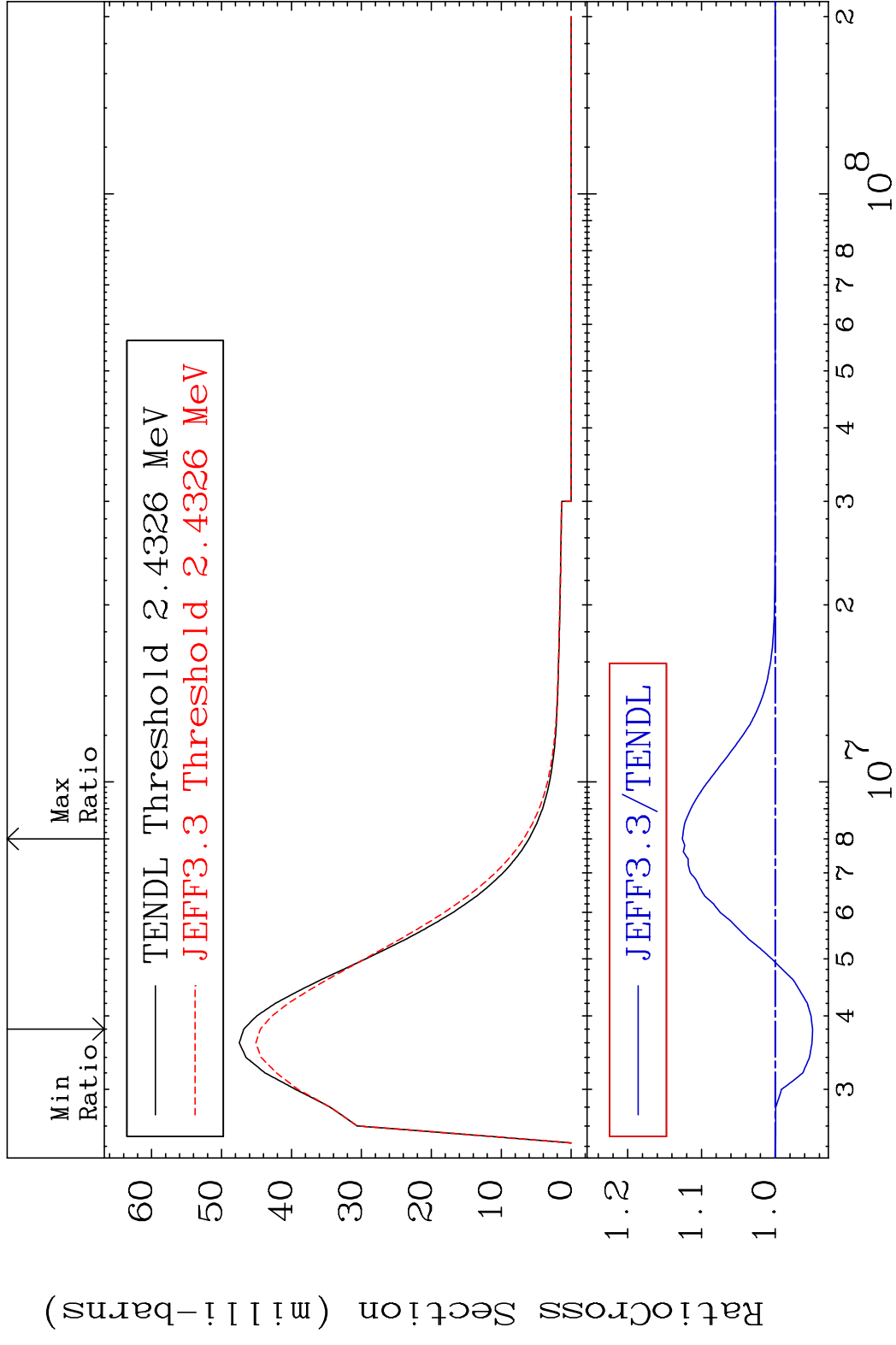
MT= 61 (n, n') Level

²⁴Cr-51

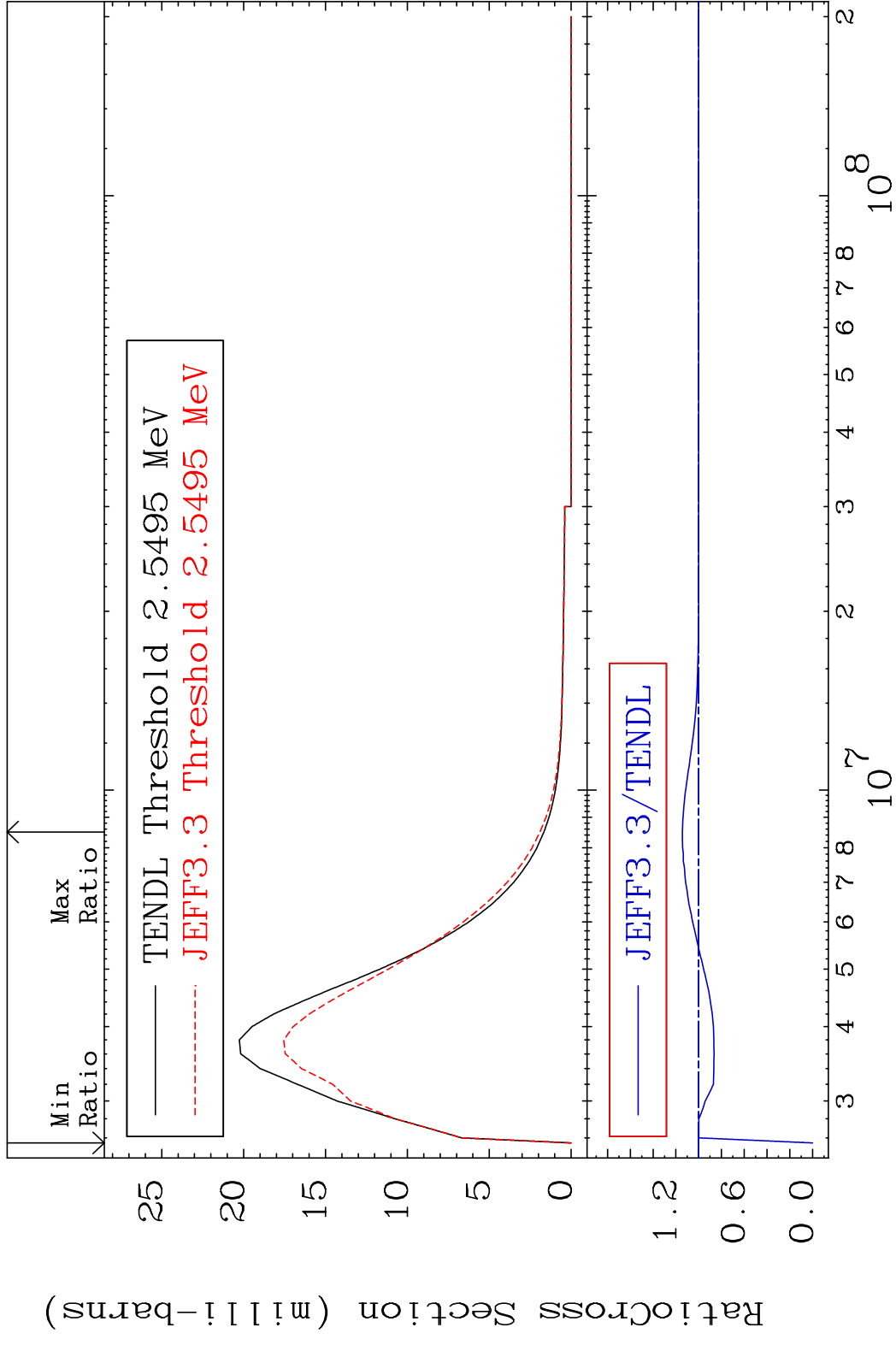
Cross Section -7.567 To 13.79 %



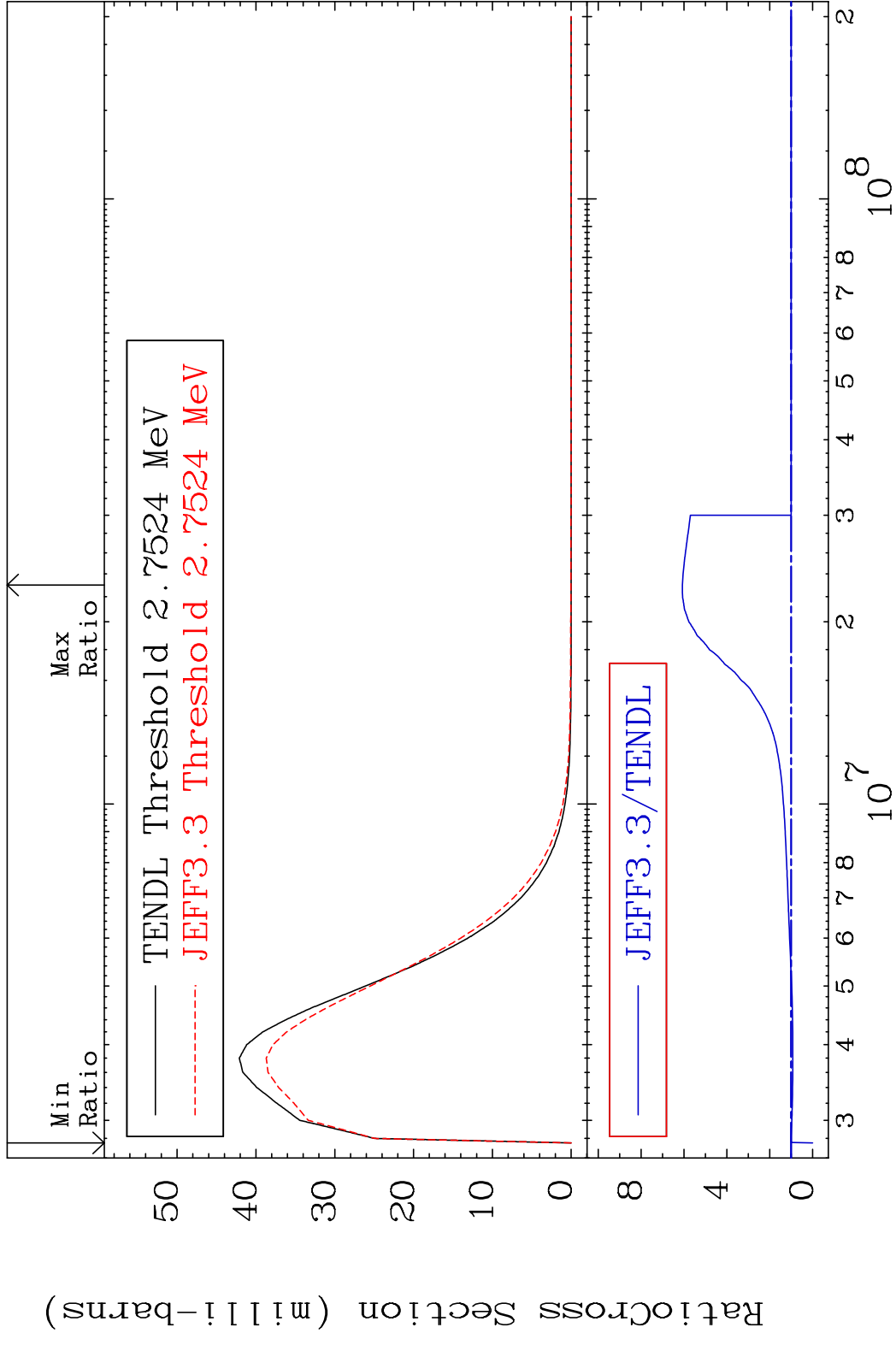
MAT 2428 MT= 62 (n, n') Level 24-Cr-51
 Cross Section -5.071 To 12.59 %



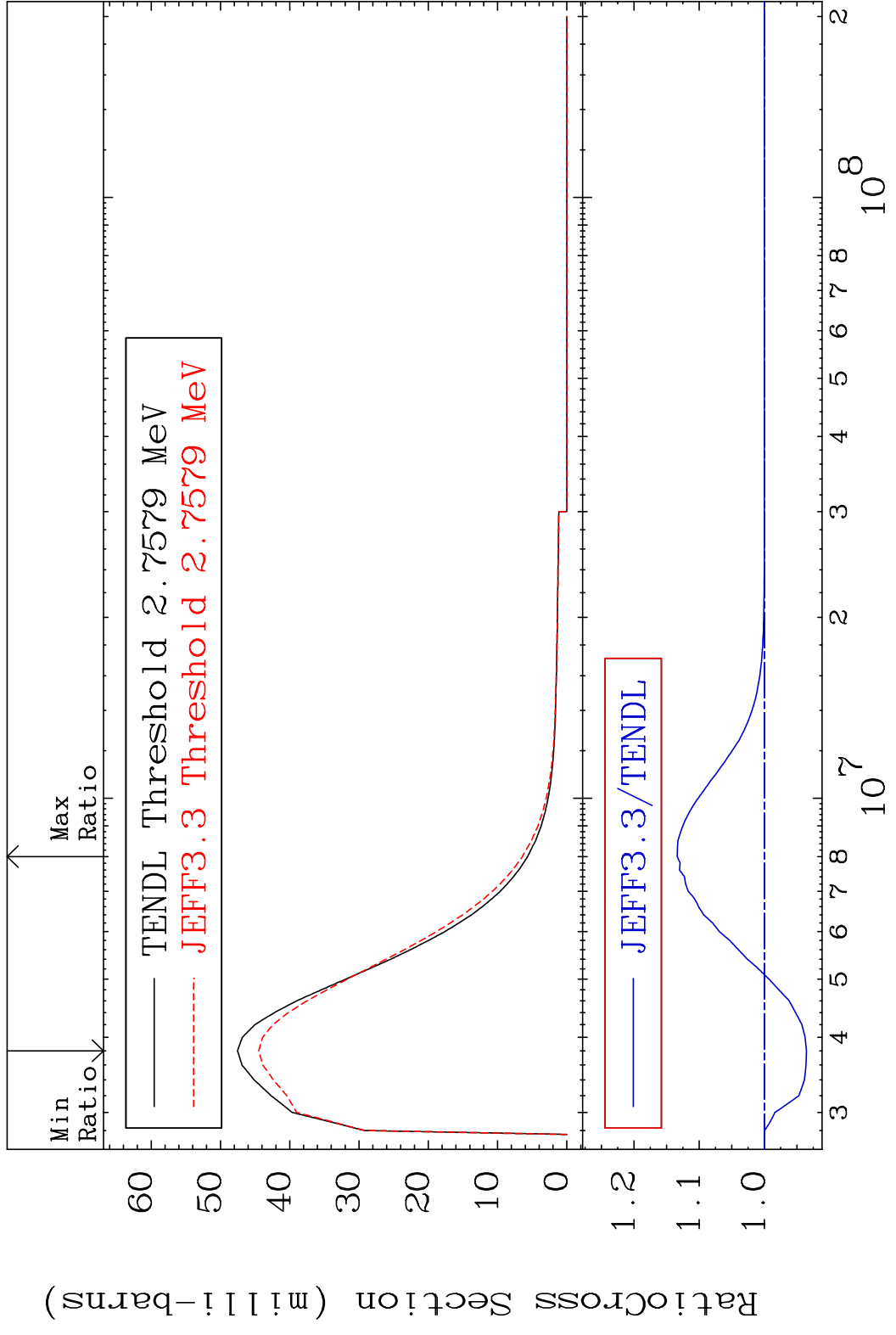
MAT 2428 MT= 63 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 14.32 %



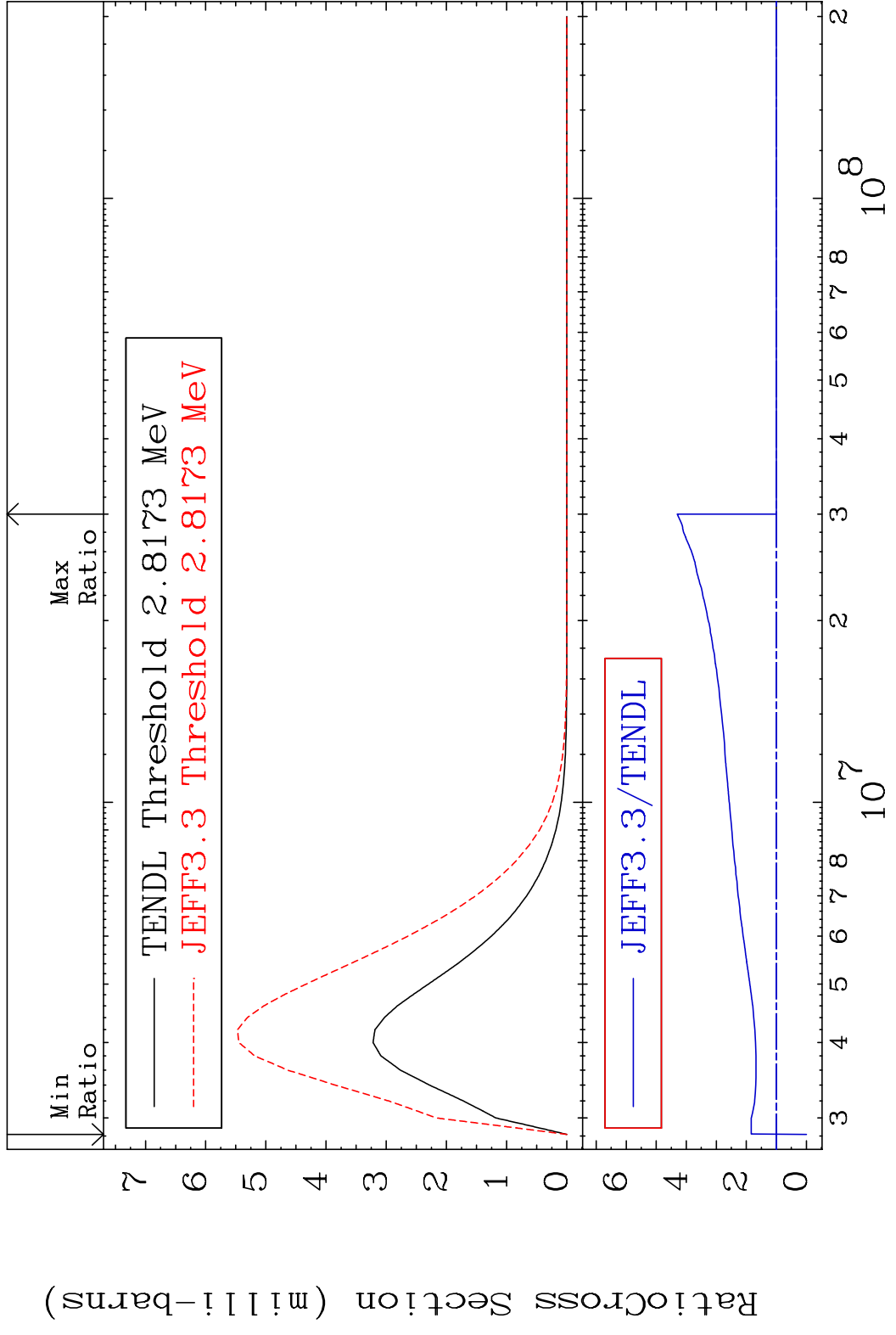
MAT 2428 MT= 64 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 507.3 %



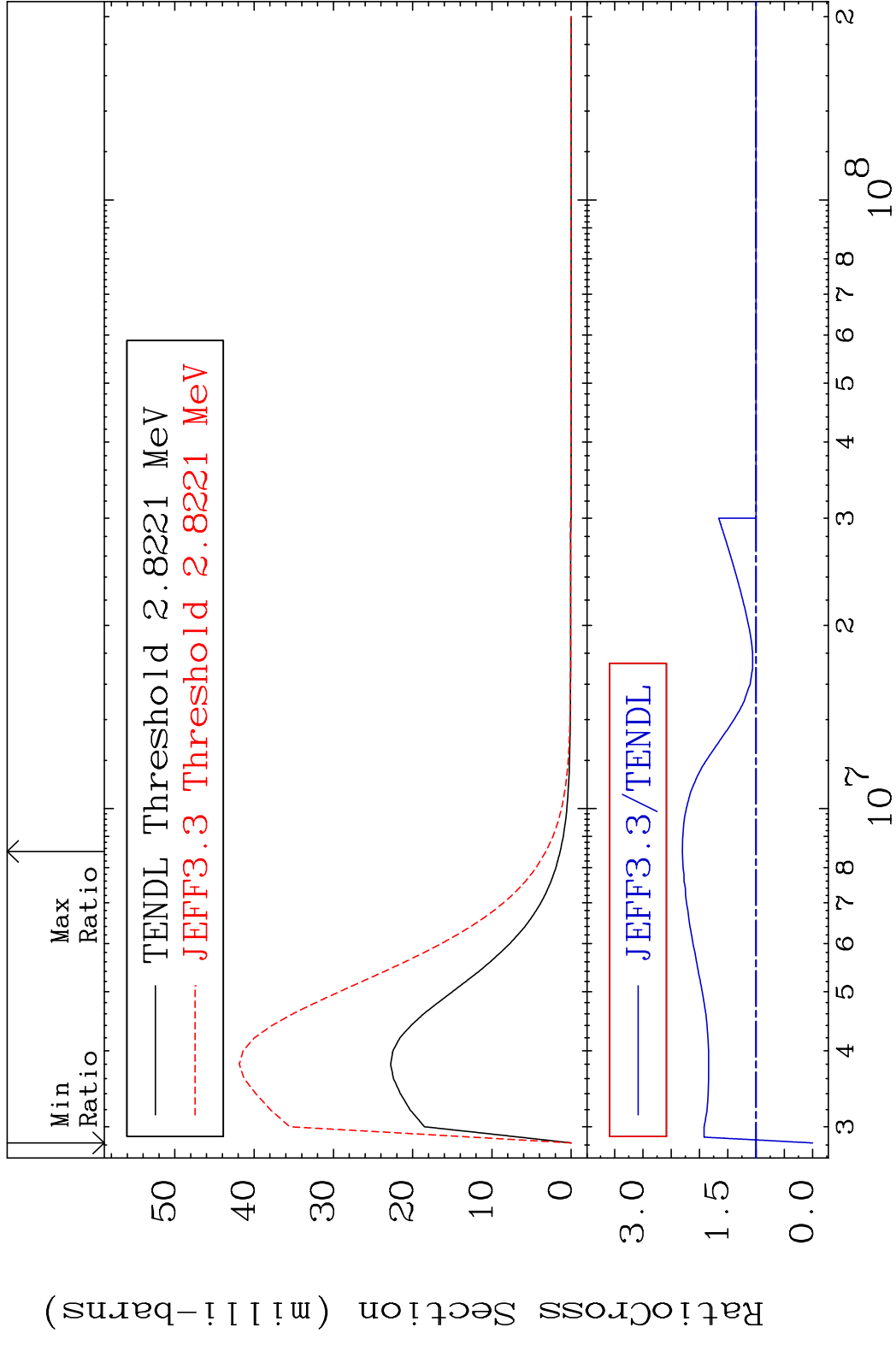
MAT 2428 MT= 65 (n, n') Level 24-Cr-51
 Cross Section -6.459 To 13.38 %



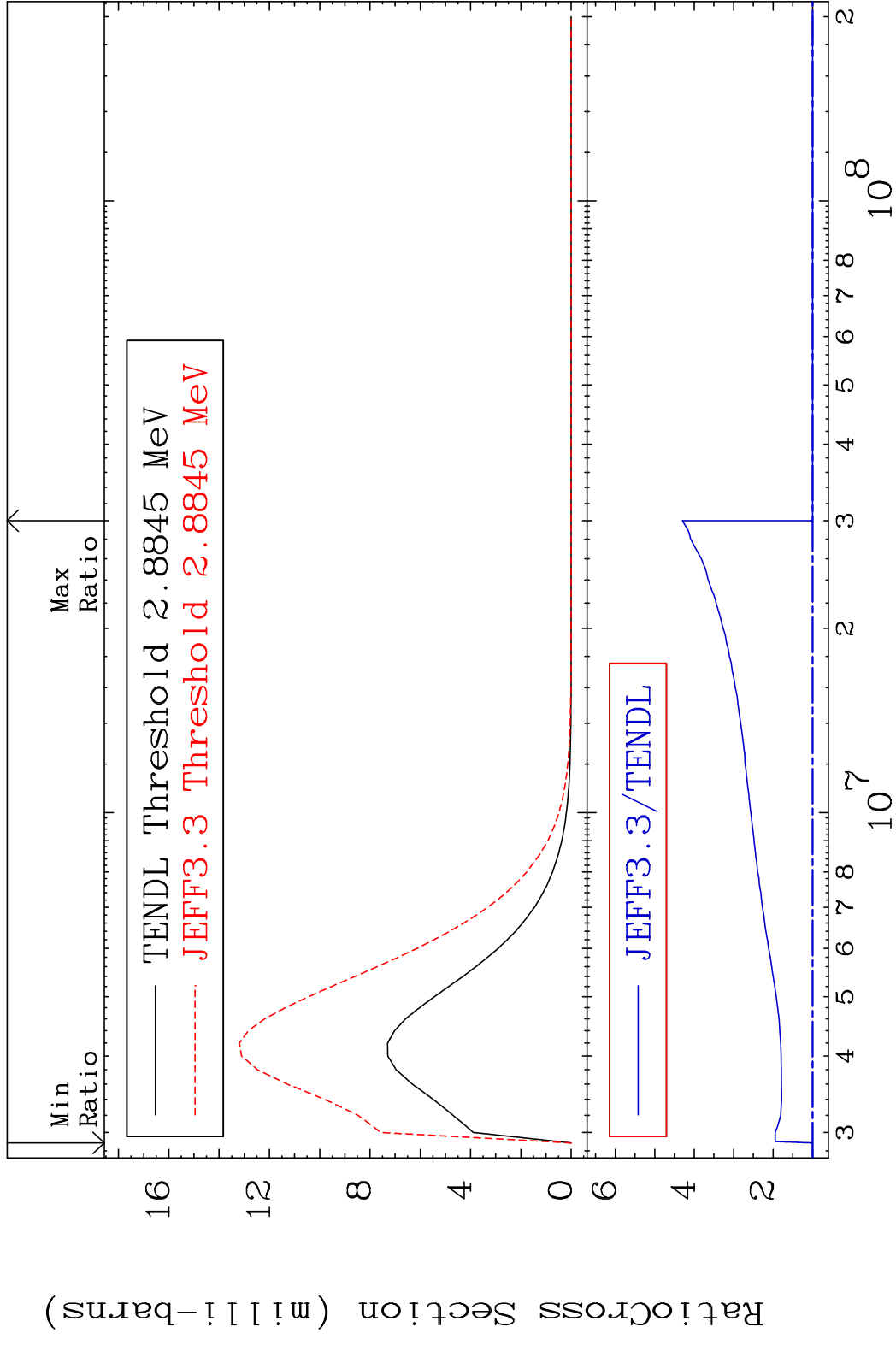
MAT 2428 MT= 66 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 330.3 %



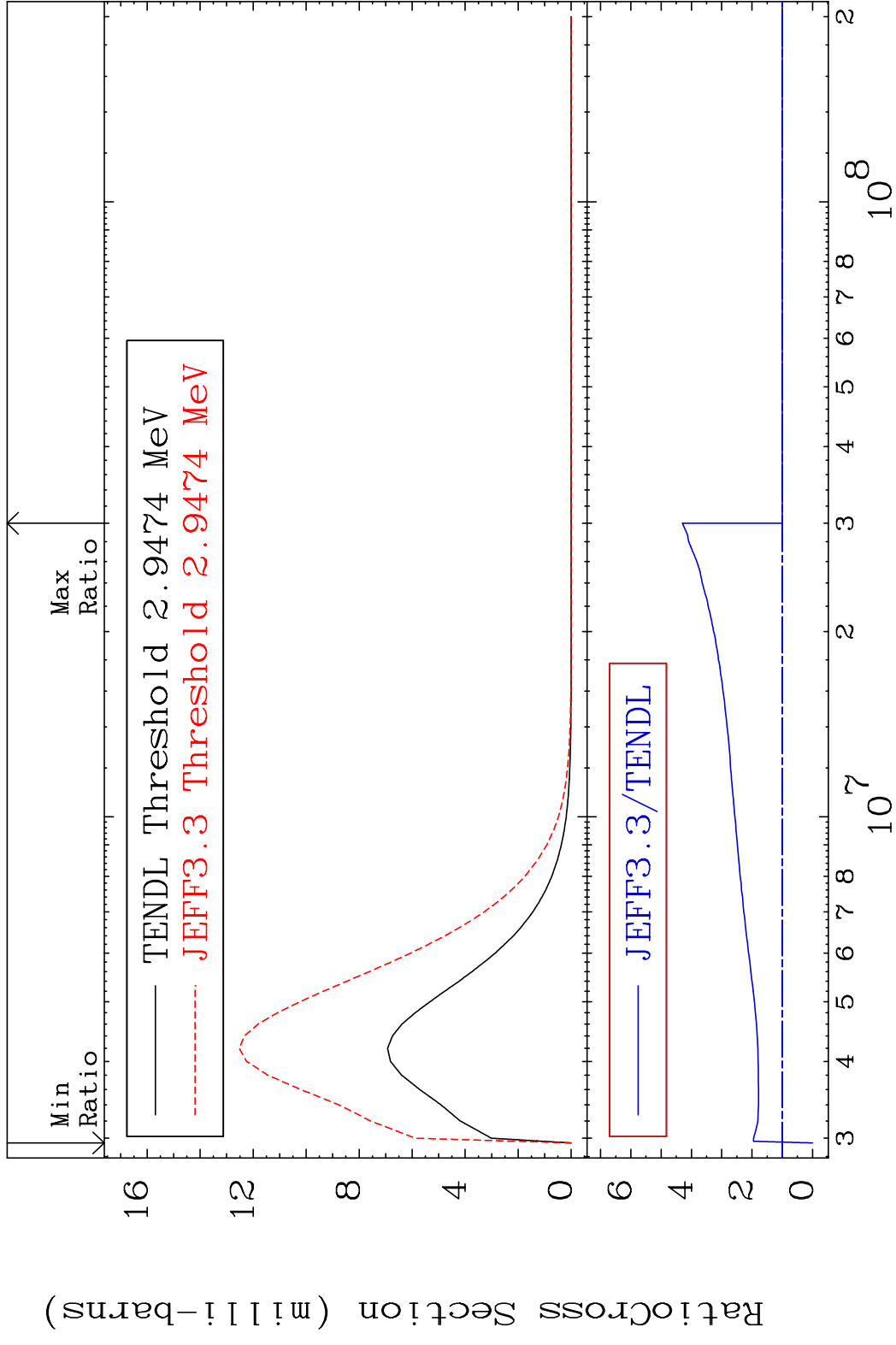
MAT 2428 MT= 67 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 130.4 %



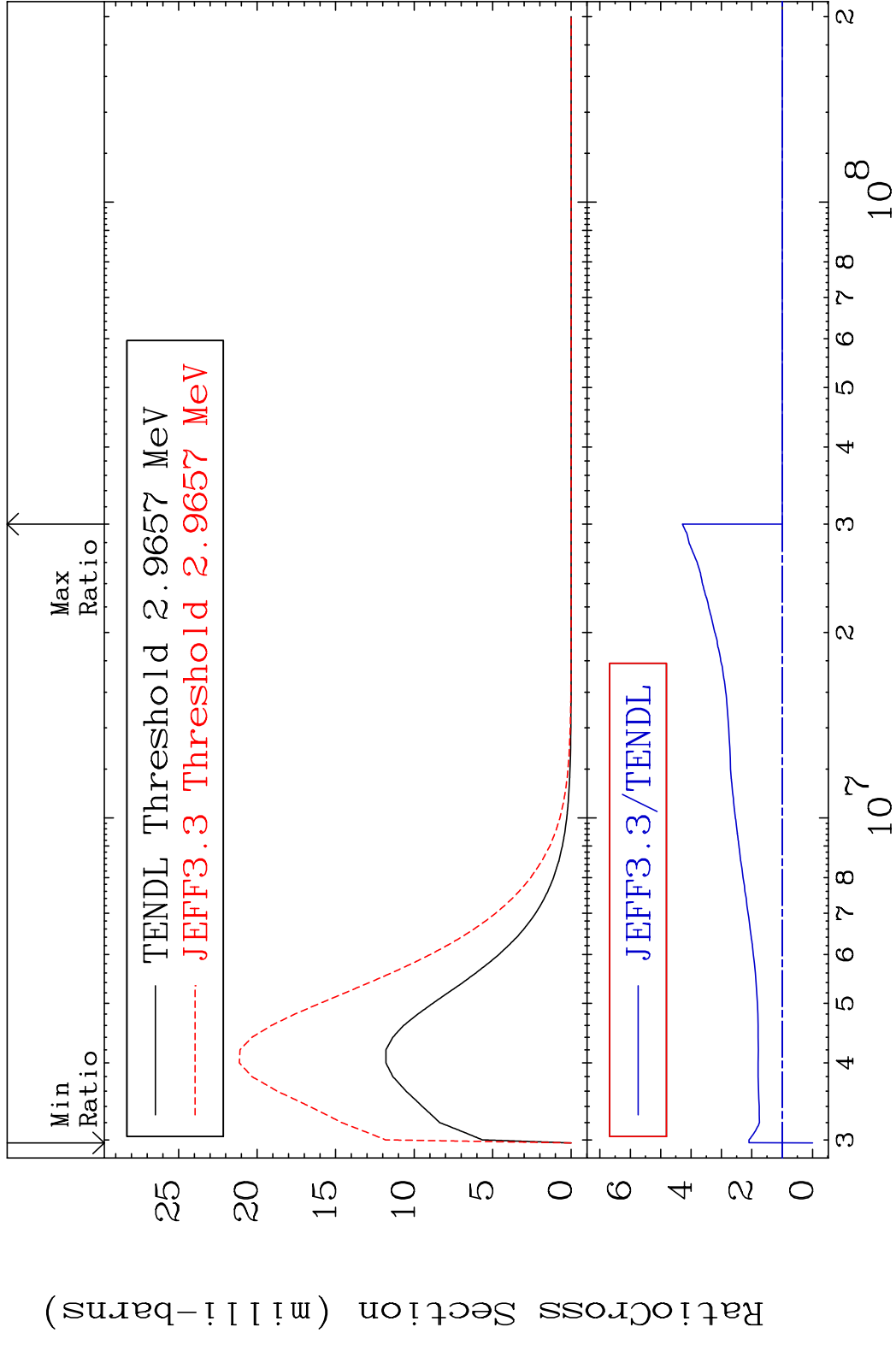
MAT 2428 MT= 68 (n, n') Level 24-Cr-51
 Cross Section 0.000 To 329.9 %



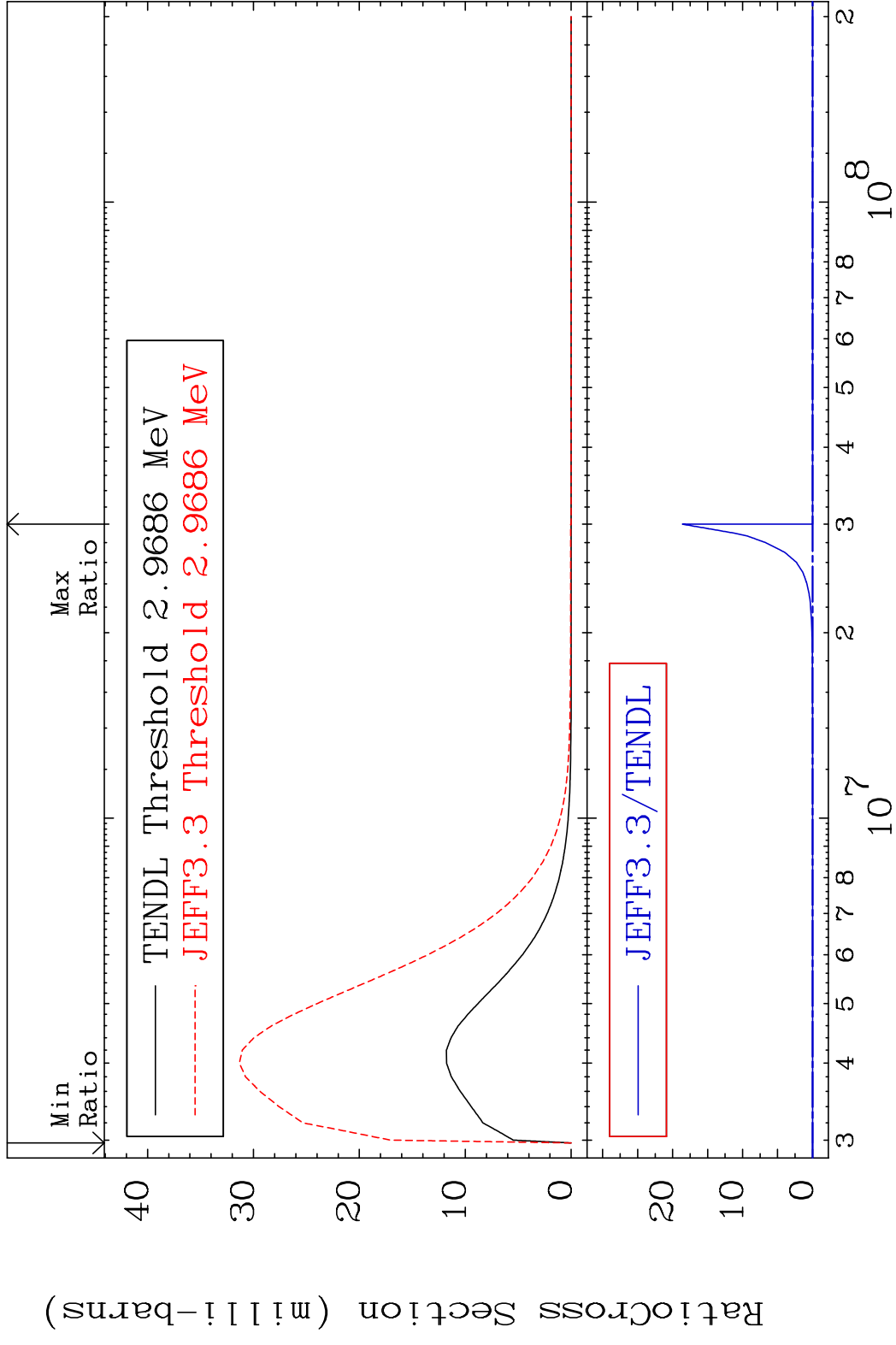
MAT 2428 MT= 69 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 329.9 %



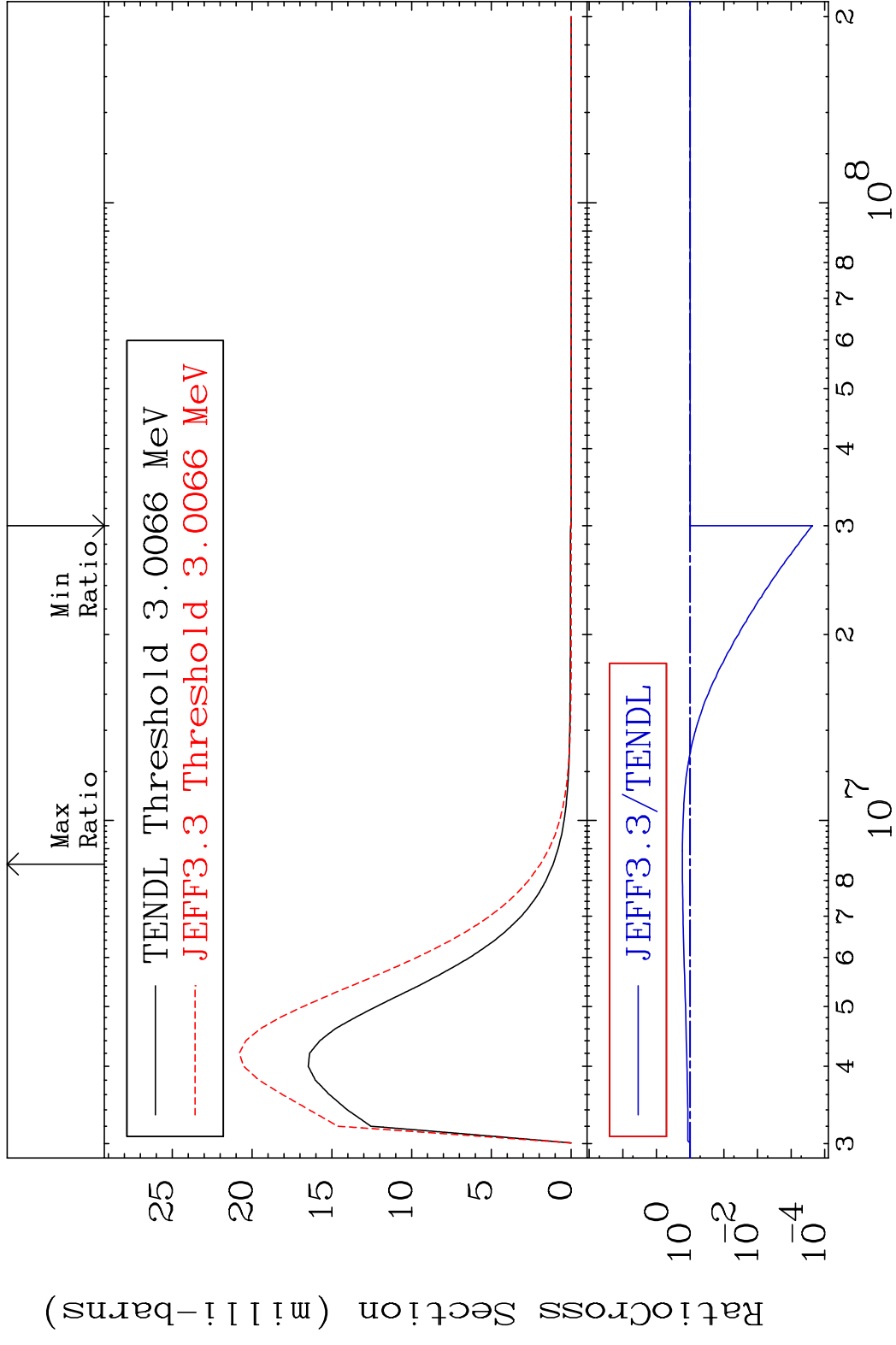
MAT 2428 MT= 70 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 328.6 %



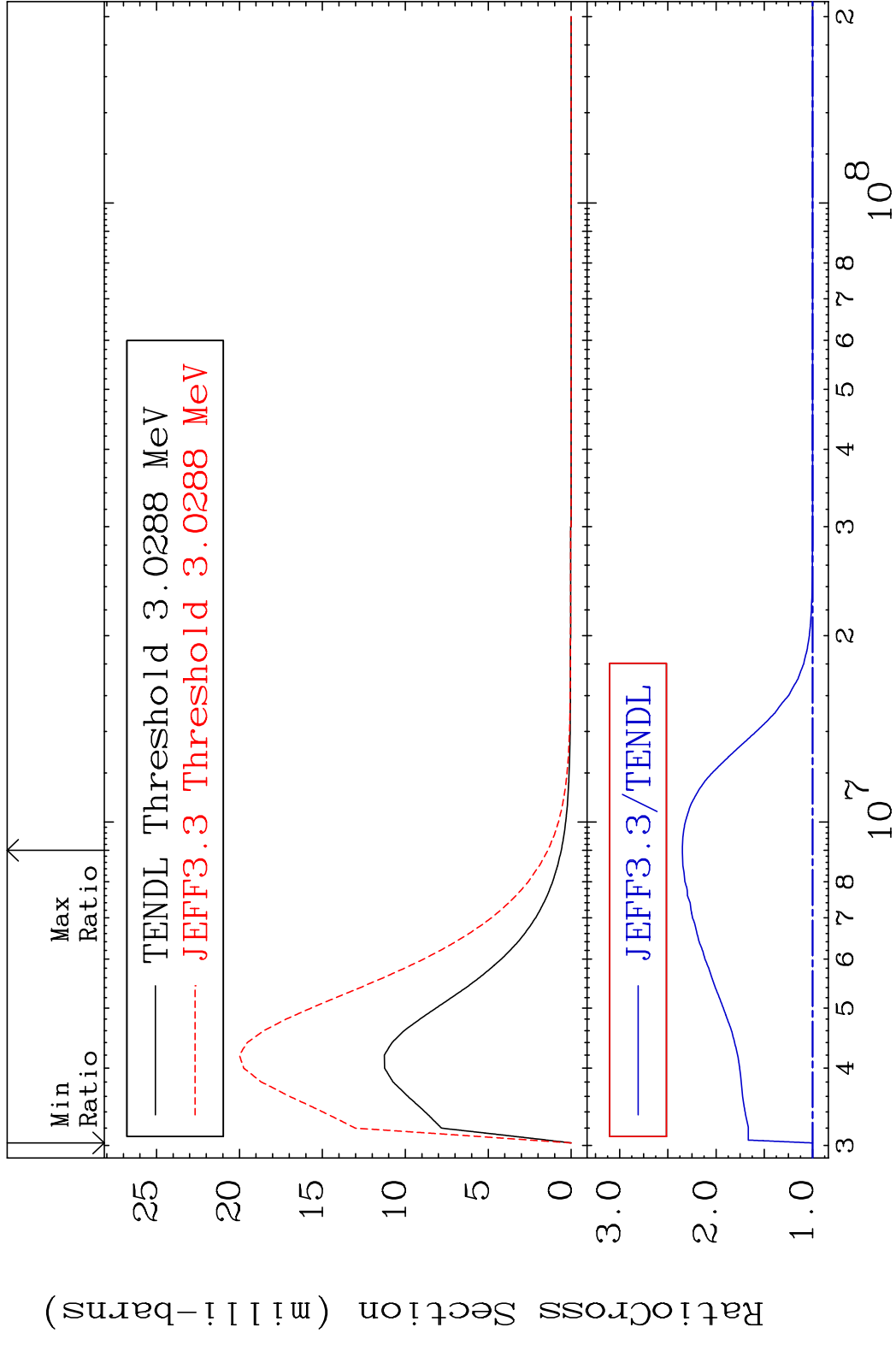
MAT 2428 MT= 71 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 9999. %



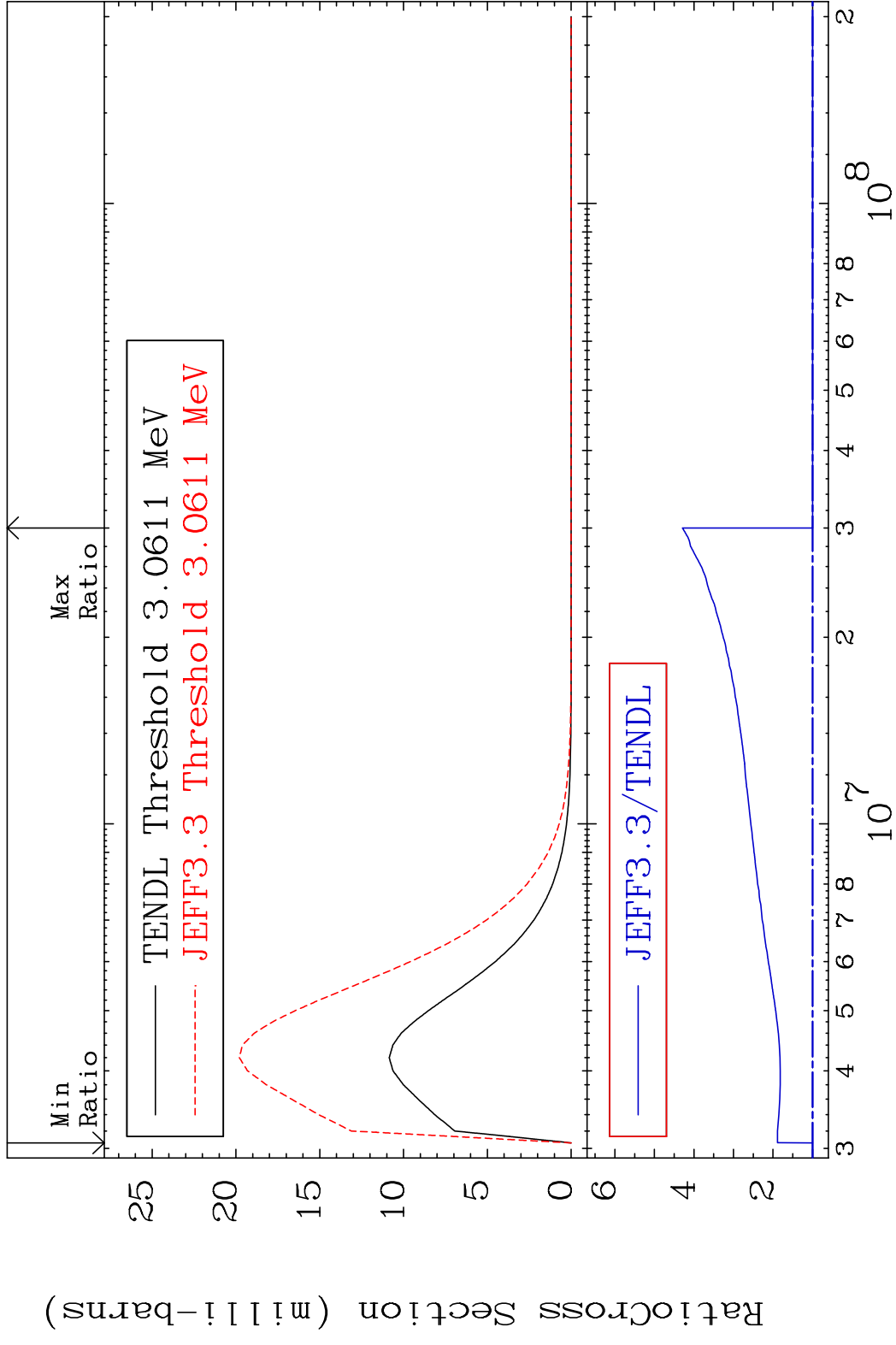
MAT 2428 MT= 72 (n, n') Level 24-Cr-51
 Cross Section -99.98 To 70.48 %



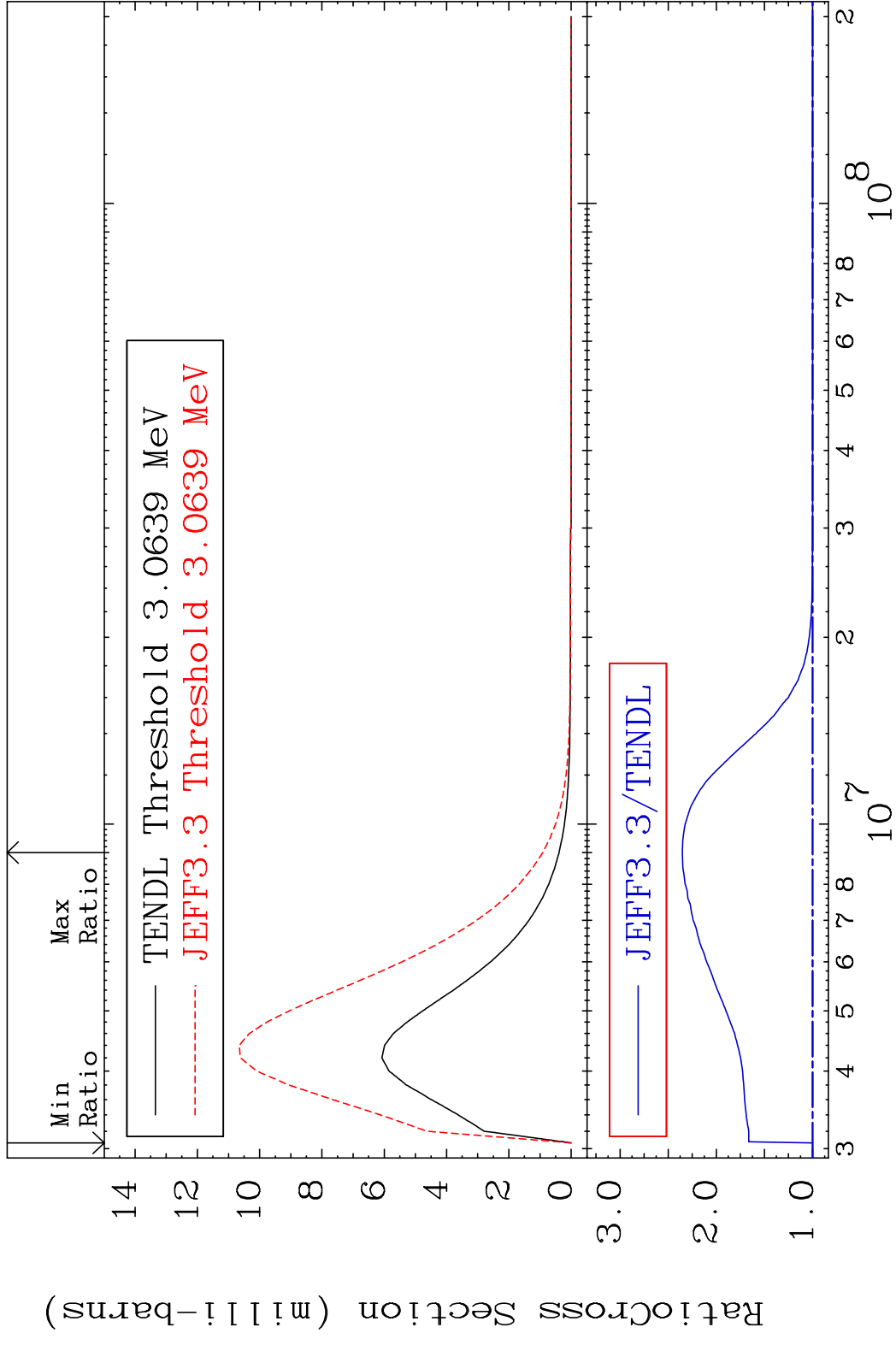
MAT 2428 MT= 73 (n, n') Level 24-Cr-51
 Cross Section 0.000 To 134.9 %



MAT 2428 MT= 74 (n, n') Level 24-Cr-51
 Cross Section 0.000 To 329.3 %

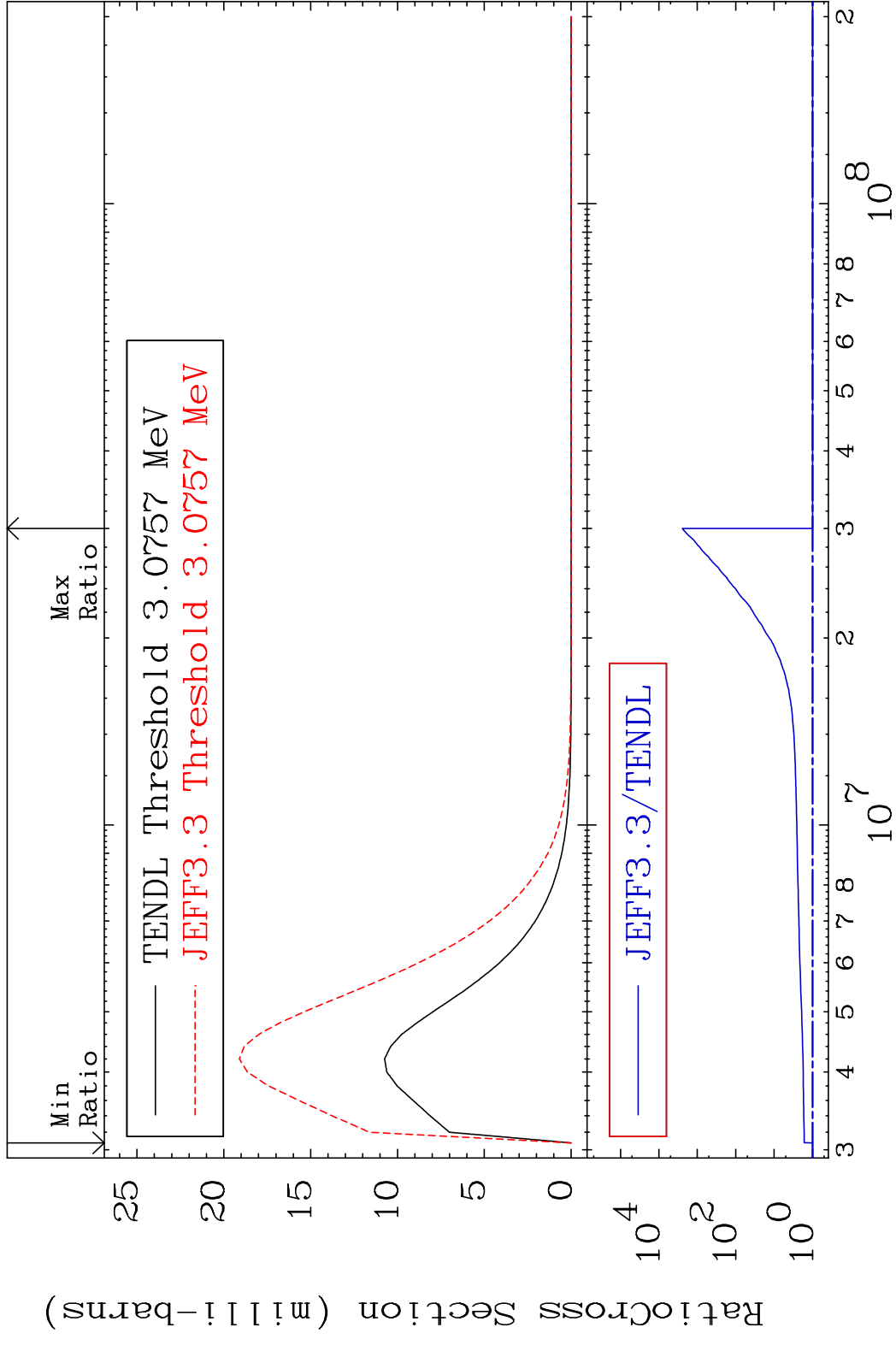


MAT 2428 MT= 75 (n, n') Level 24-Cr-51
 Cross Section 0.000 To 135.3 %



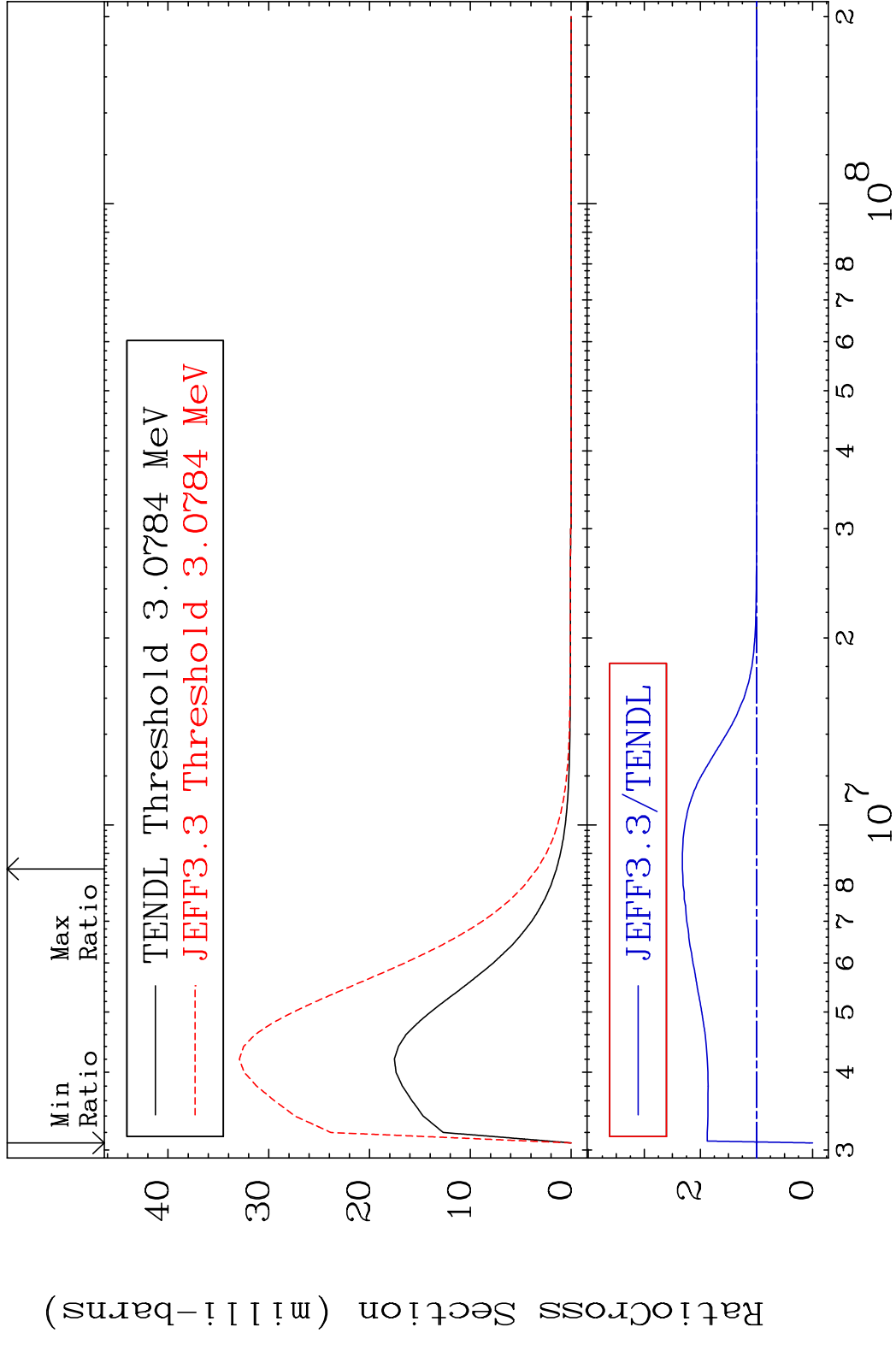
40 Incident Energy (eV) 24-Cr-51

MAT 2428 MT= 76 (n, n') Level 24-Cr-51
 Cross Section 0.000 To 9999. %

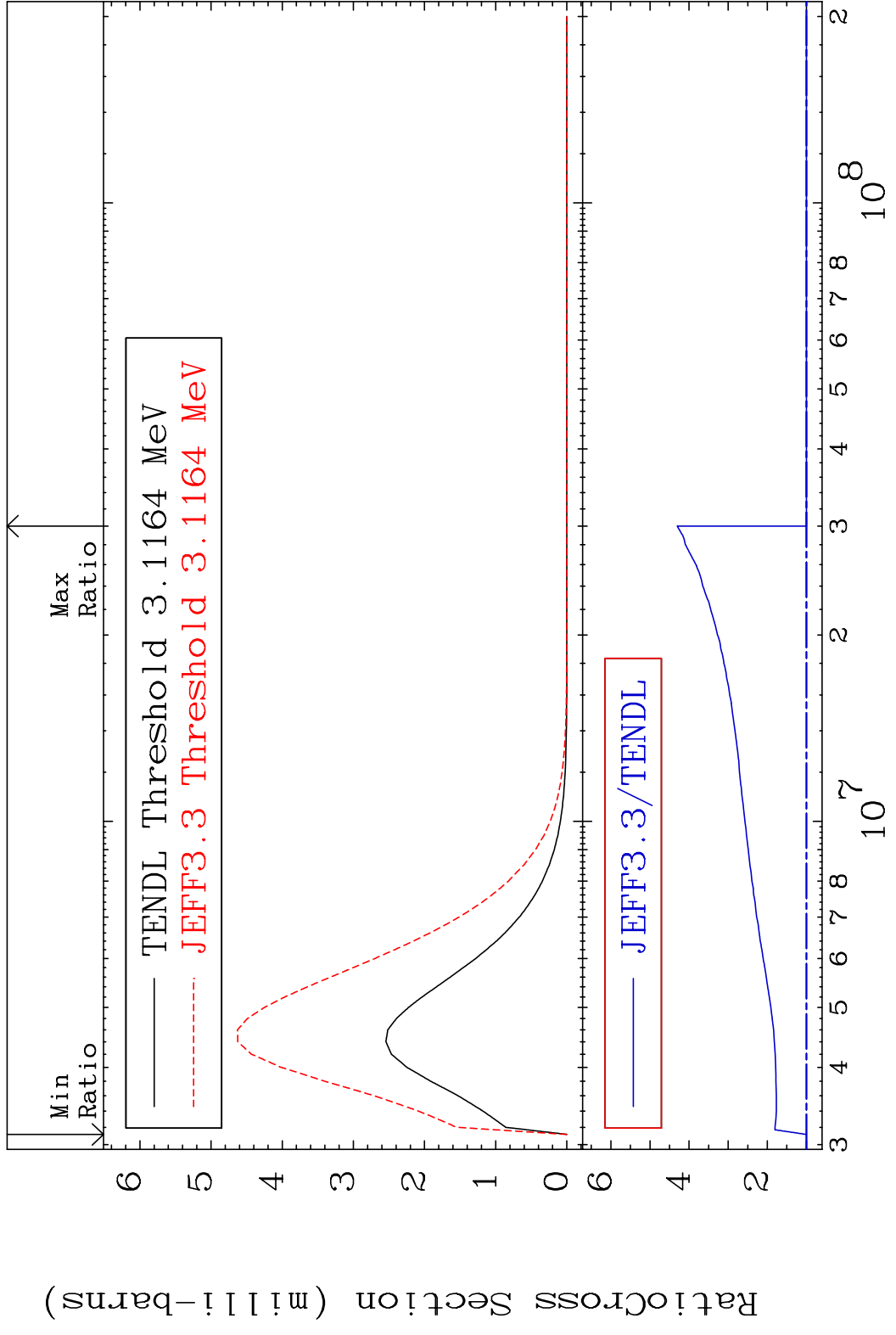


41 Incident Energy (eV) 24-Cr-51

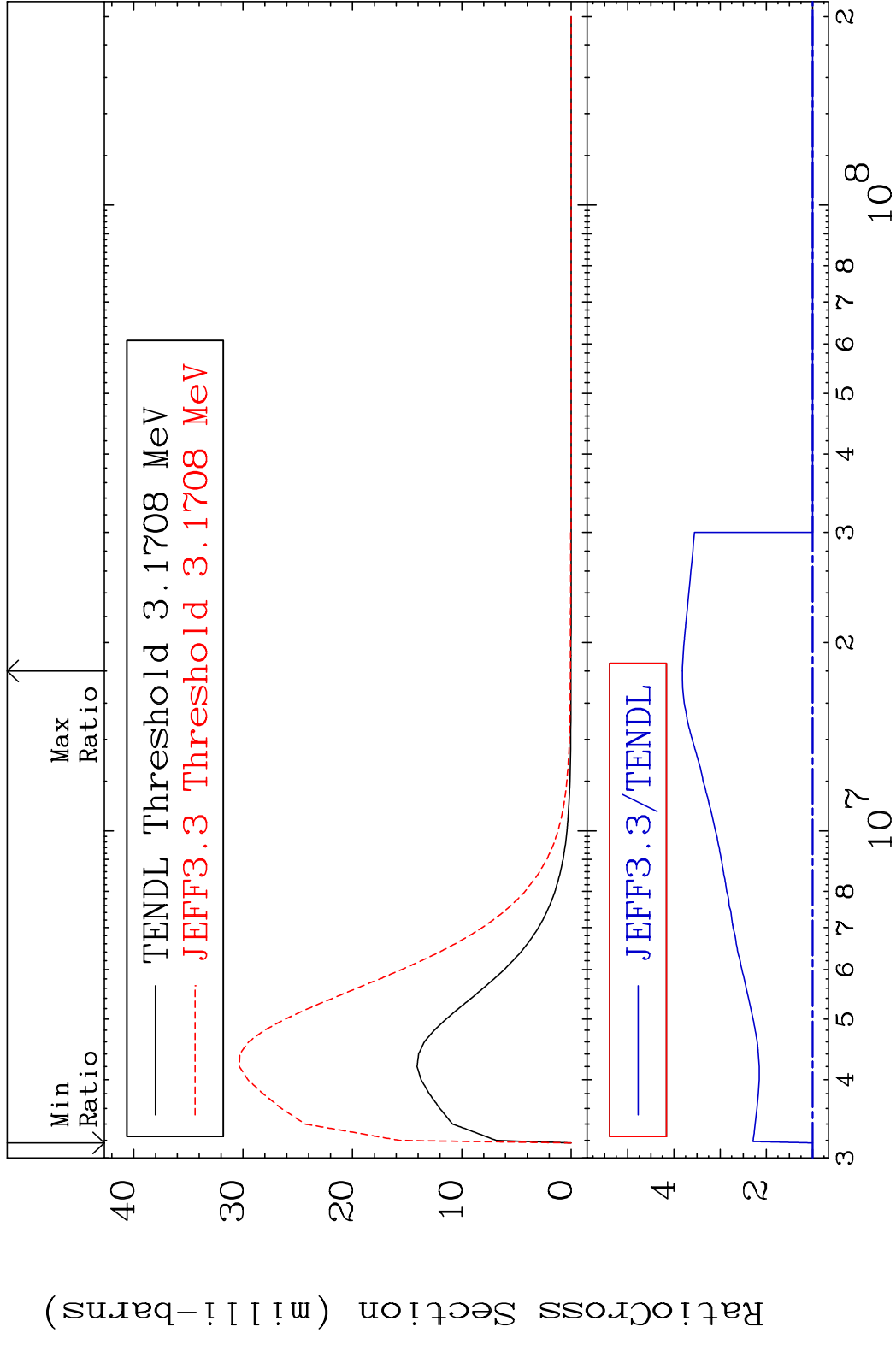
MAT 2428 MT= 77 (n, n') Level 24-Cr-51
 Cross Section -100.0 To 132.2 %



MAT 2428 MT= 78 (n, n') Level 24-Cr-51
 Cross Section 0.000 To 330.4 %



MAT 2428 MT= 79 (n, n') Level 24-Cr-51
 Cross Section 0.000 To 281.8 %

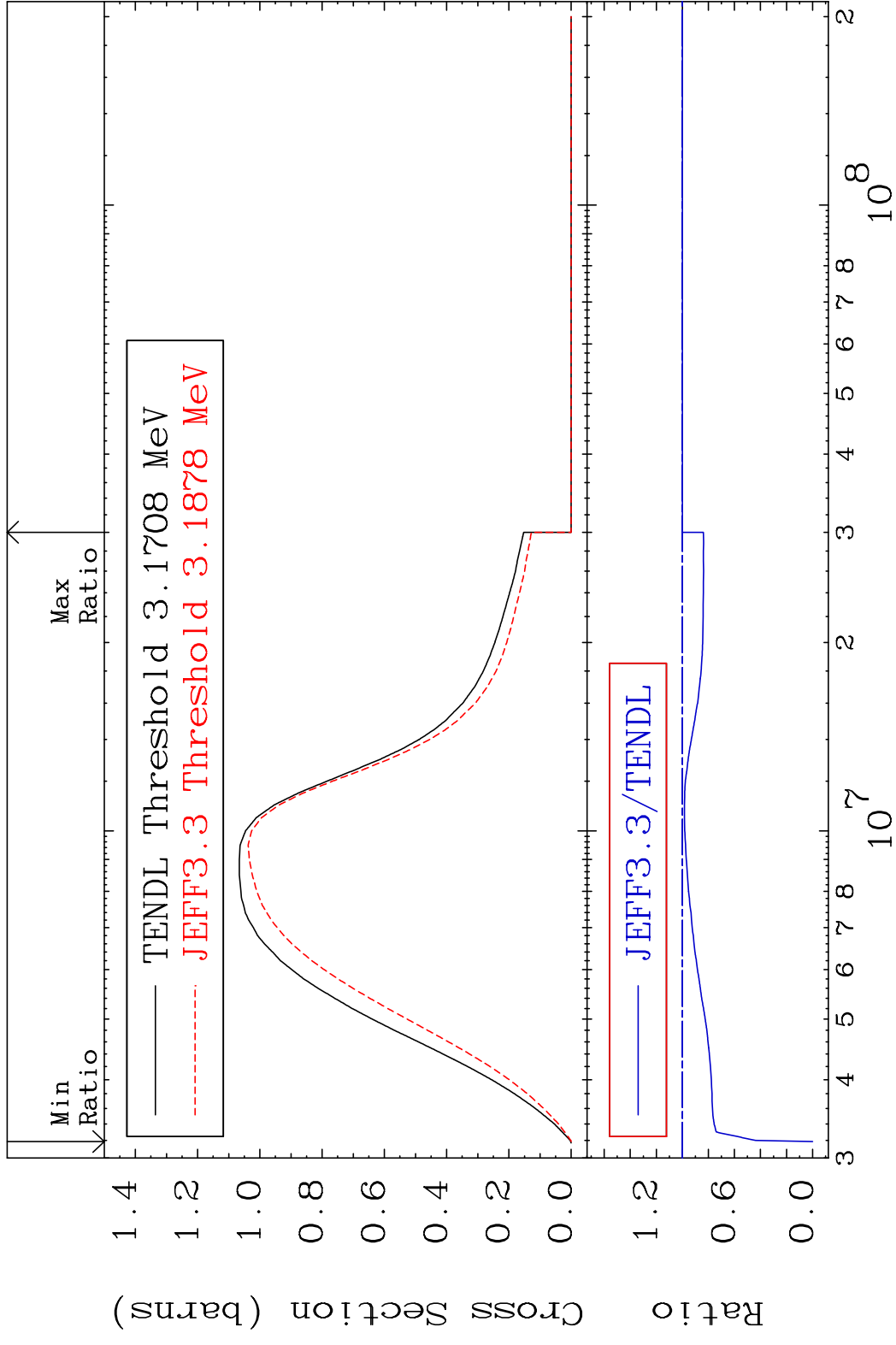


MAT 2428

(n, n') Continuum

²⁴Cr-51

Cross Section -100.0 To 0.000 %



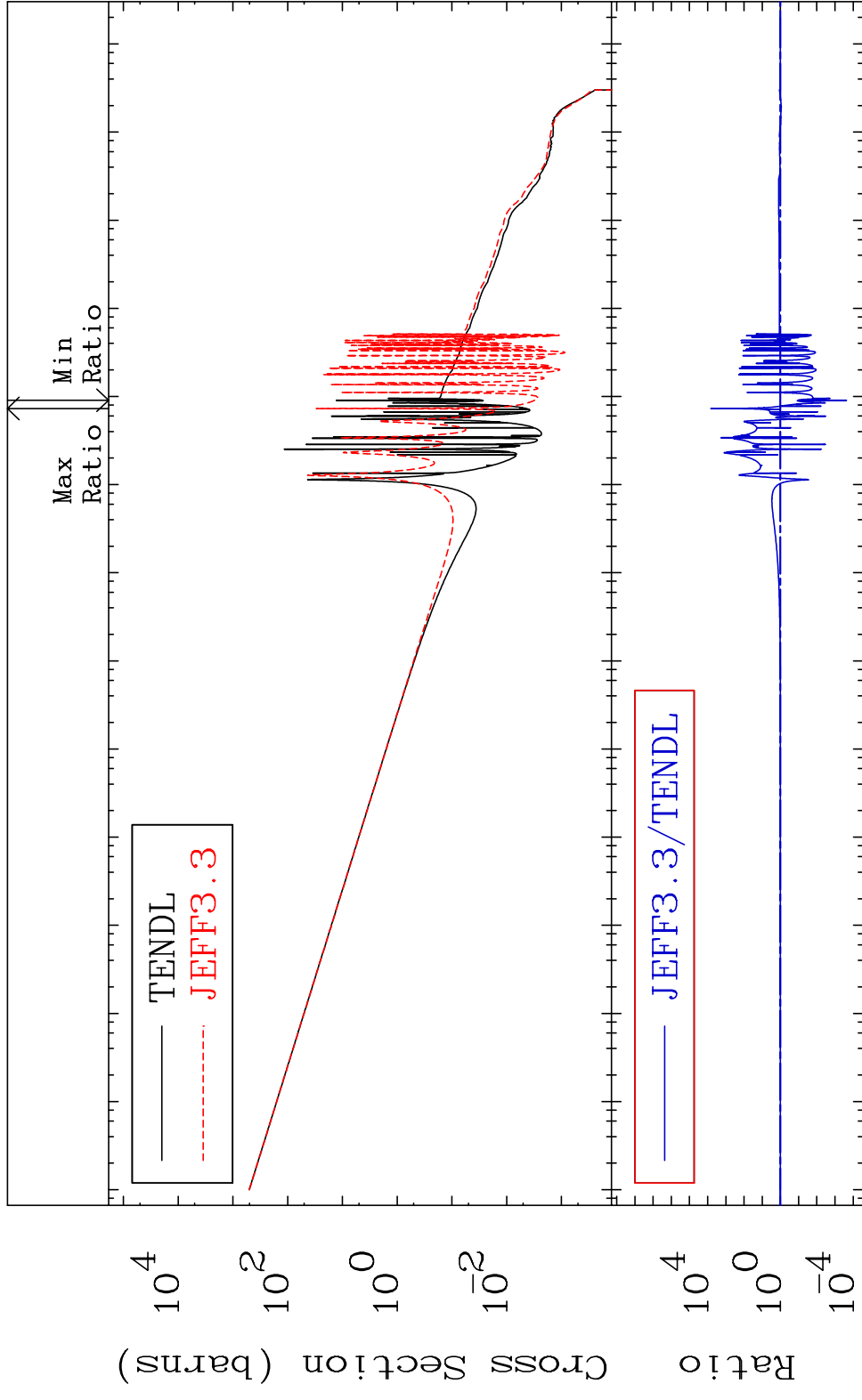
45

Incident Energy (eV)

²⁴Cr-51

MAT 2428

(n, γ)
Cross Section -99.98 To 9999. %
24-Cr-51

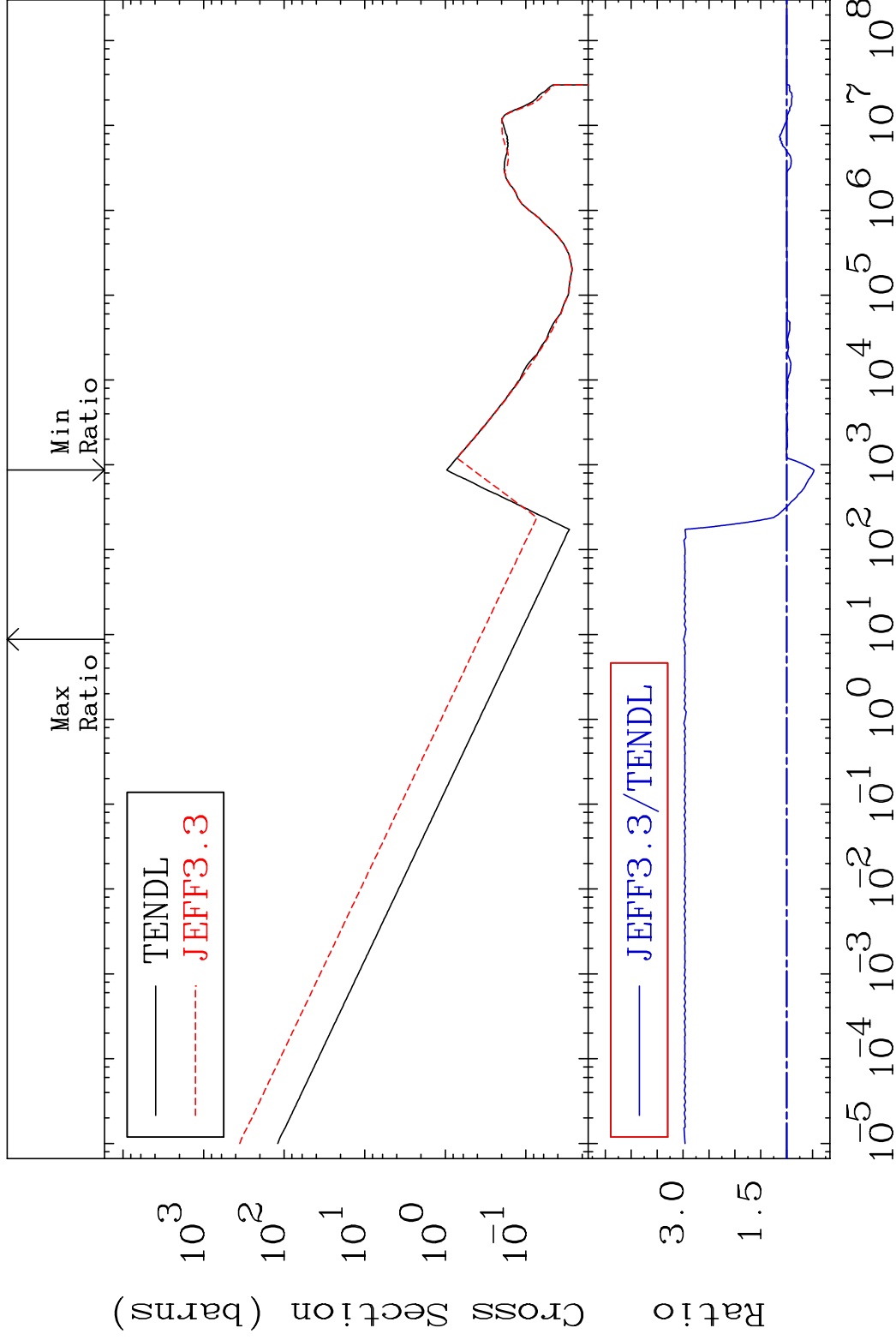


MAT 2428

(n, p)

24-Cr-51

Cross Section -52.89 To 198.8 %



47

Incident Energy (eV)

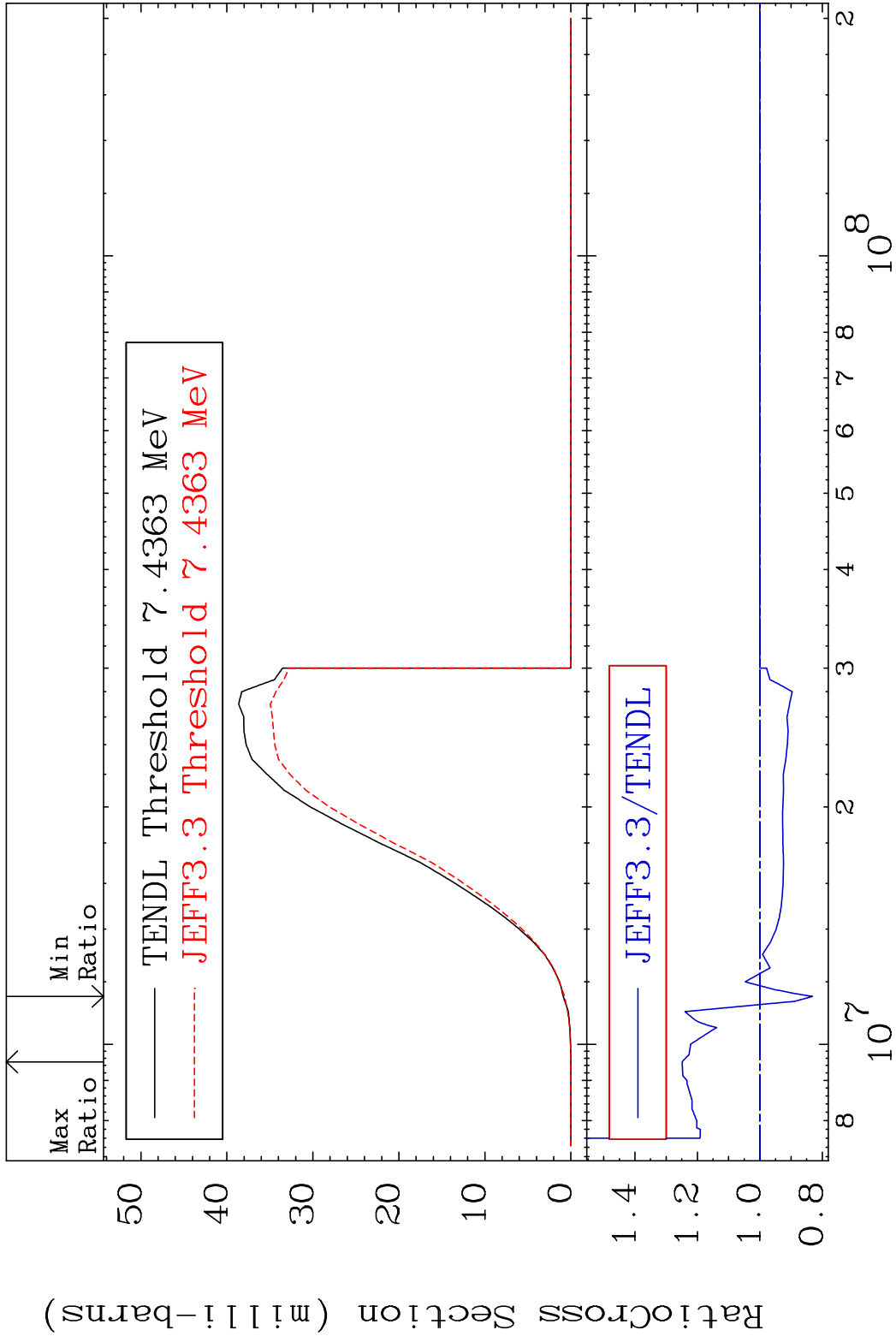
24-Cr-51

MAT 2428

(n, d)

²⁴Cr-51

Cross Section -16.86 To 24.88 %



48

Incident Energy (eV)

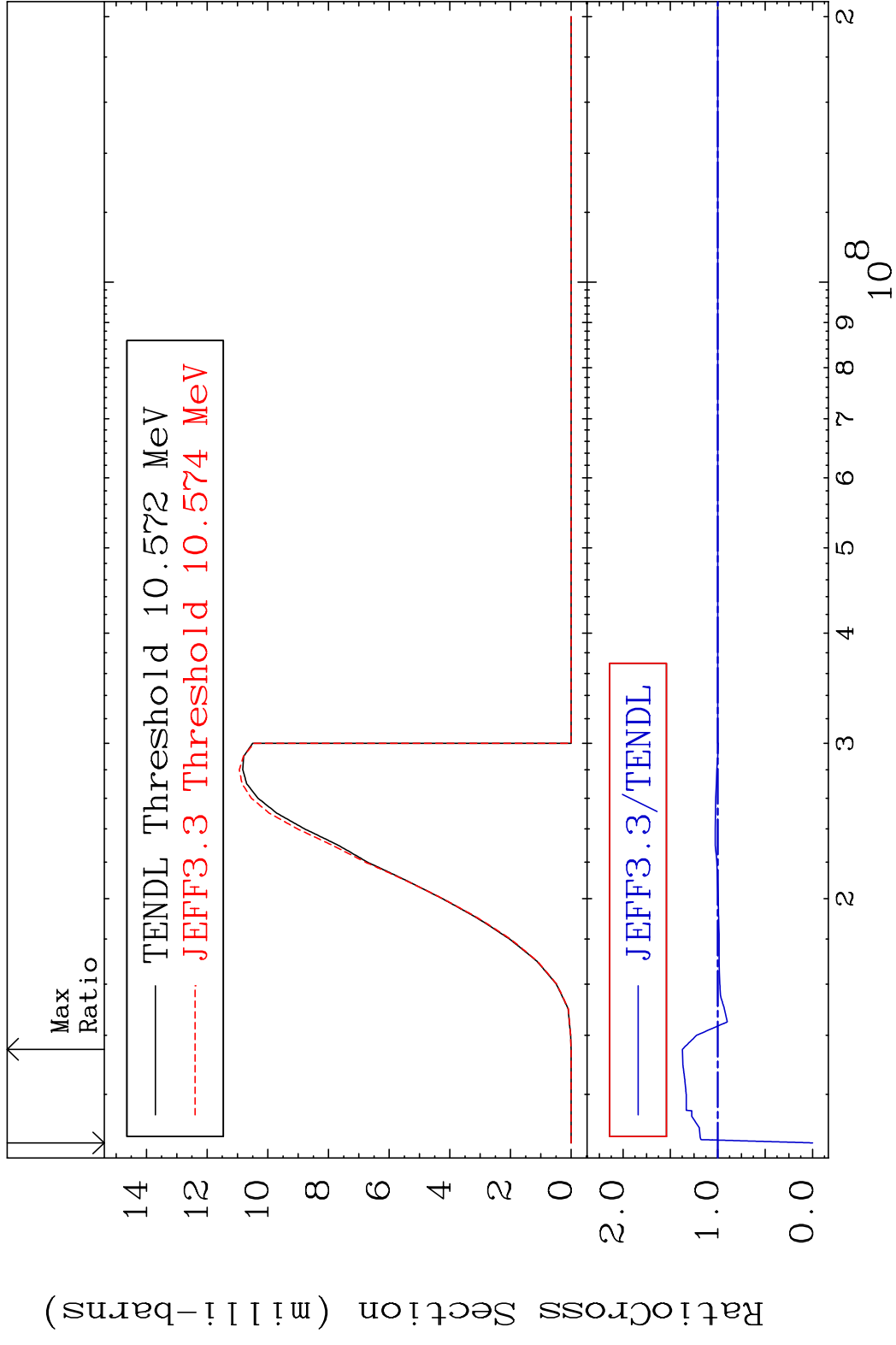
²⁴Cr-51

MAT 2428

(n, t)

²⁴Cr-51

Cross Section -100.0 To 37.37 %



49

Incident Energy (eV)

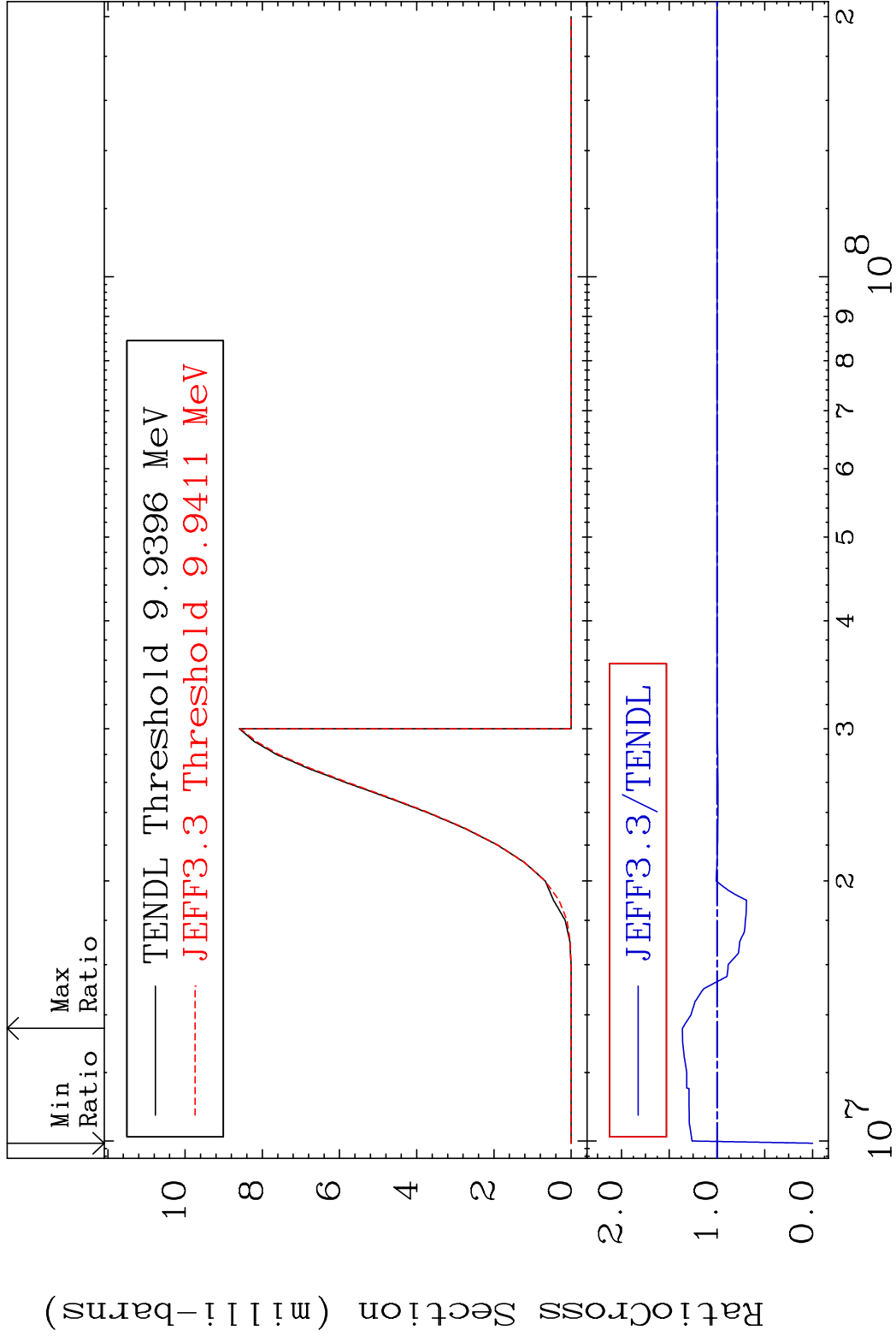
²⁴Cr-51

MAT 2428

(n, He-3)

²⁴Cr-51

Cross Section -100.0 To 36.26 %



50

Incident Energy (eV)

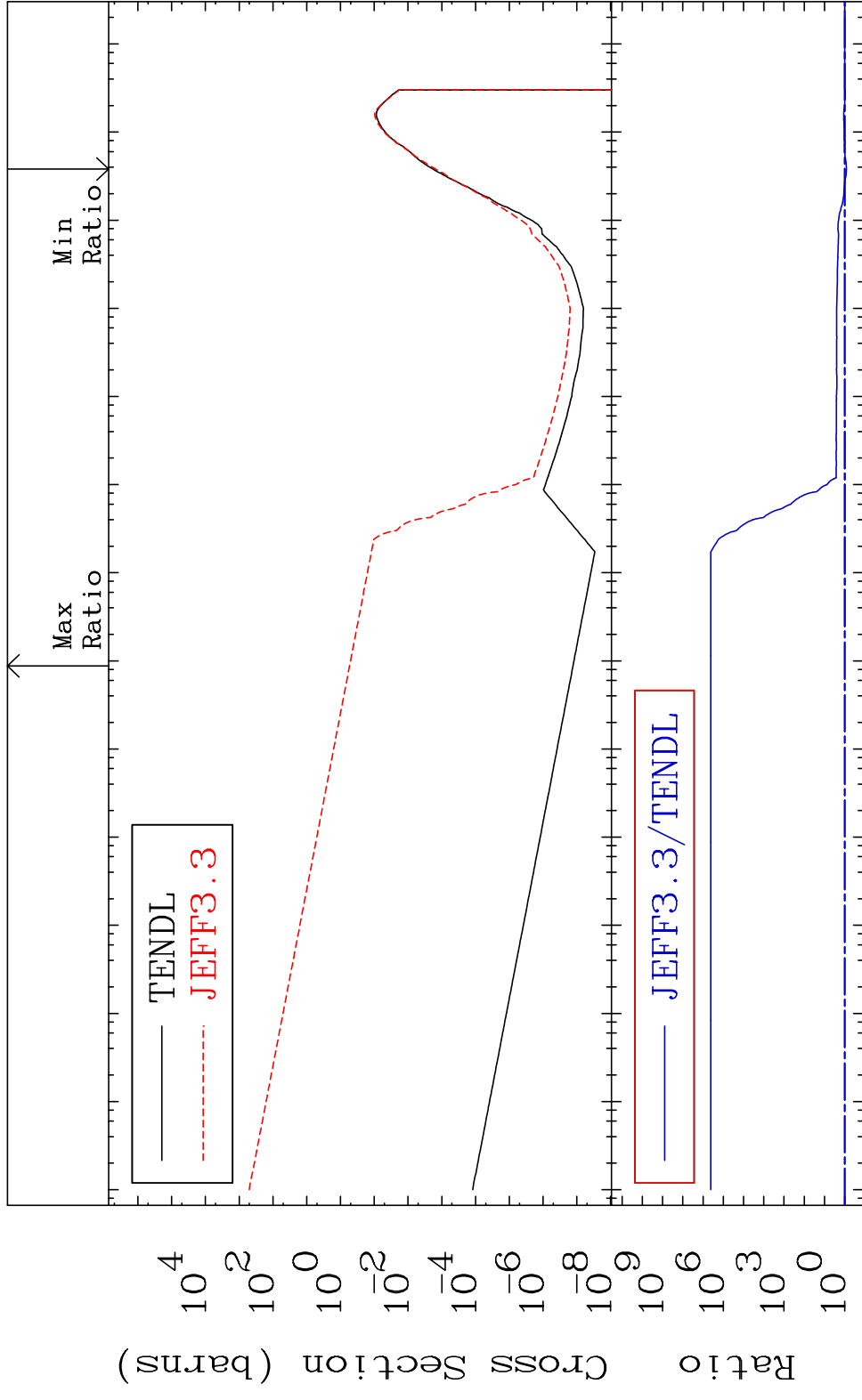
²⁴Cr-51

MAT 2428

24-Cr-51

(n, α)

Cross Section -16.56 To 9999. %

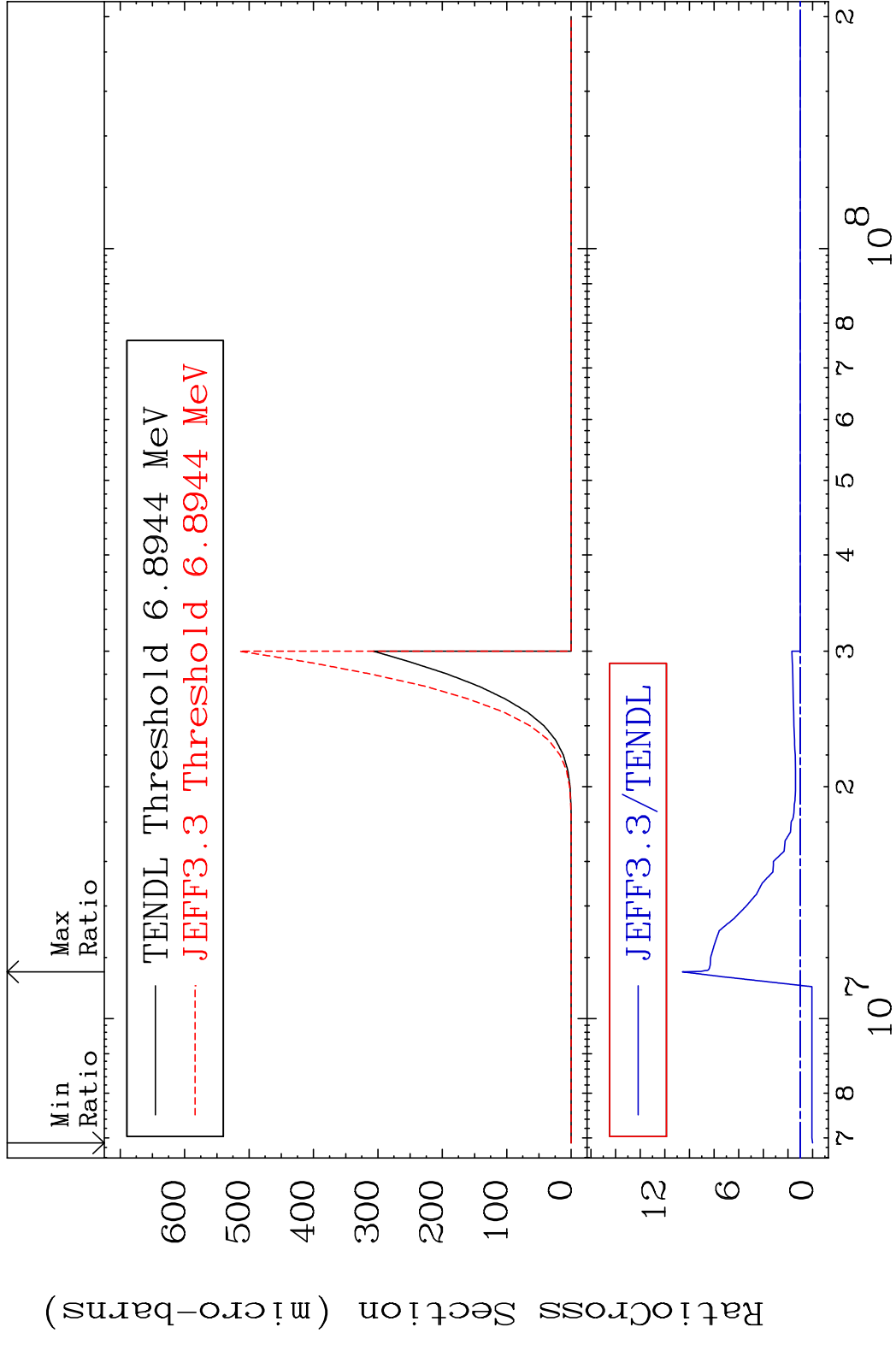


MAT 2428

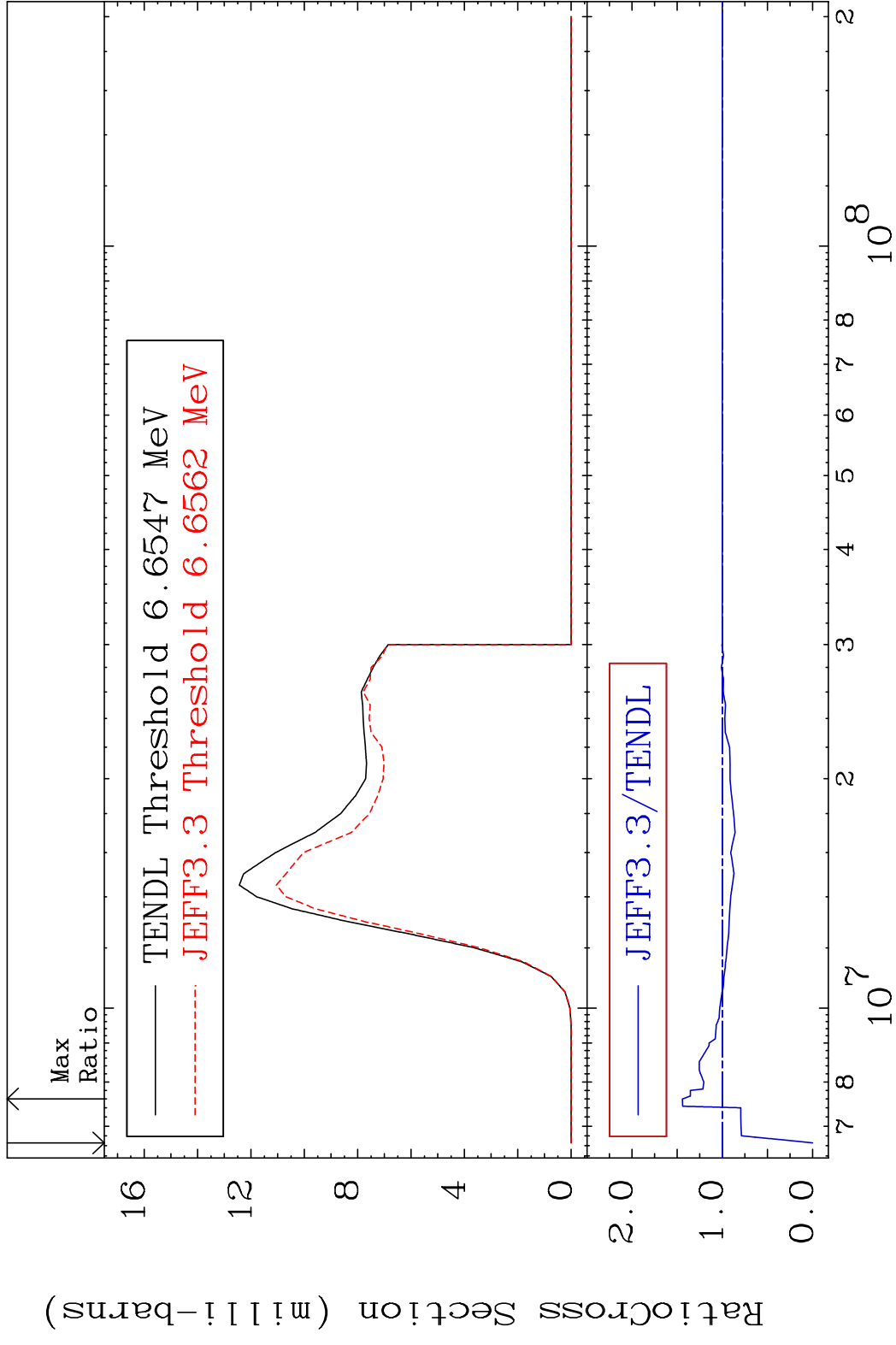
(n,2α)

²⁴Cr-51

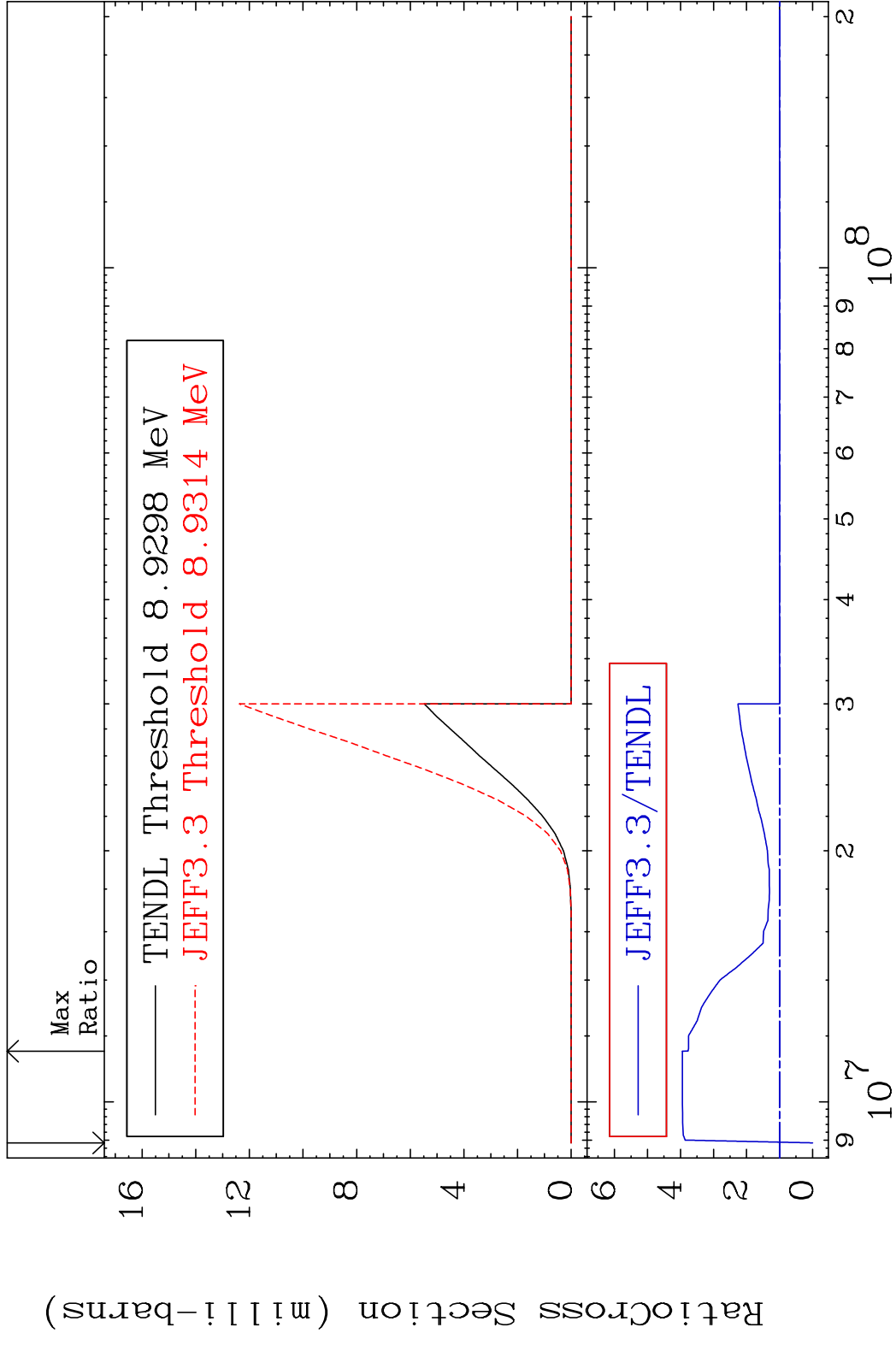
Cross Section -100.0 To 957.4 %



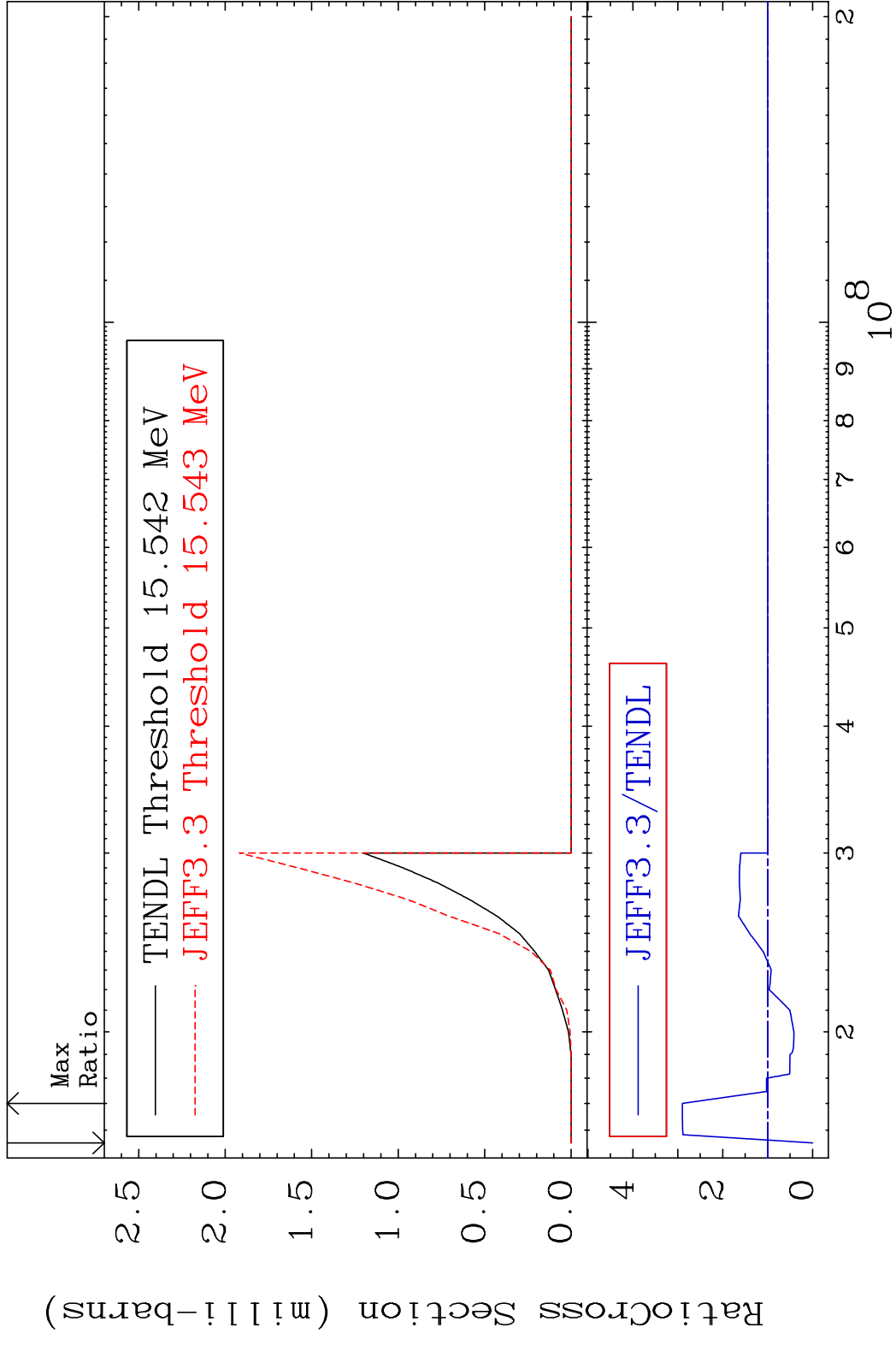
MAT 2428 (n,2p) 24-Cr-51
 Cross Section -100.0 To 44.22 %



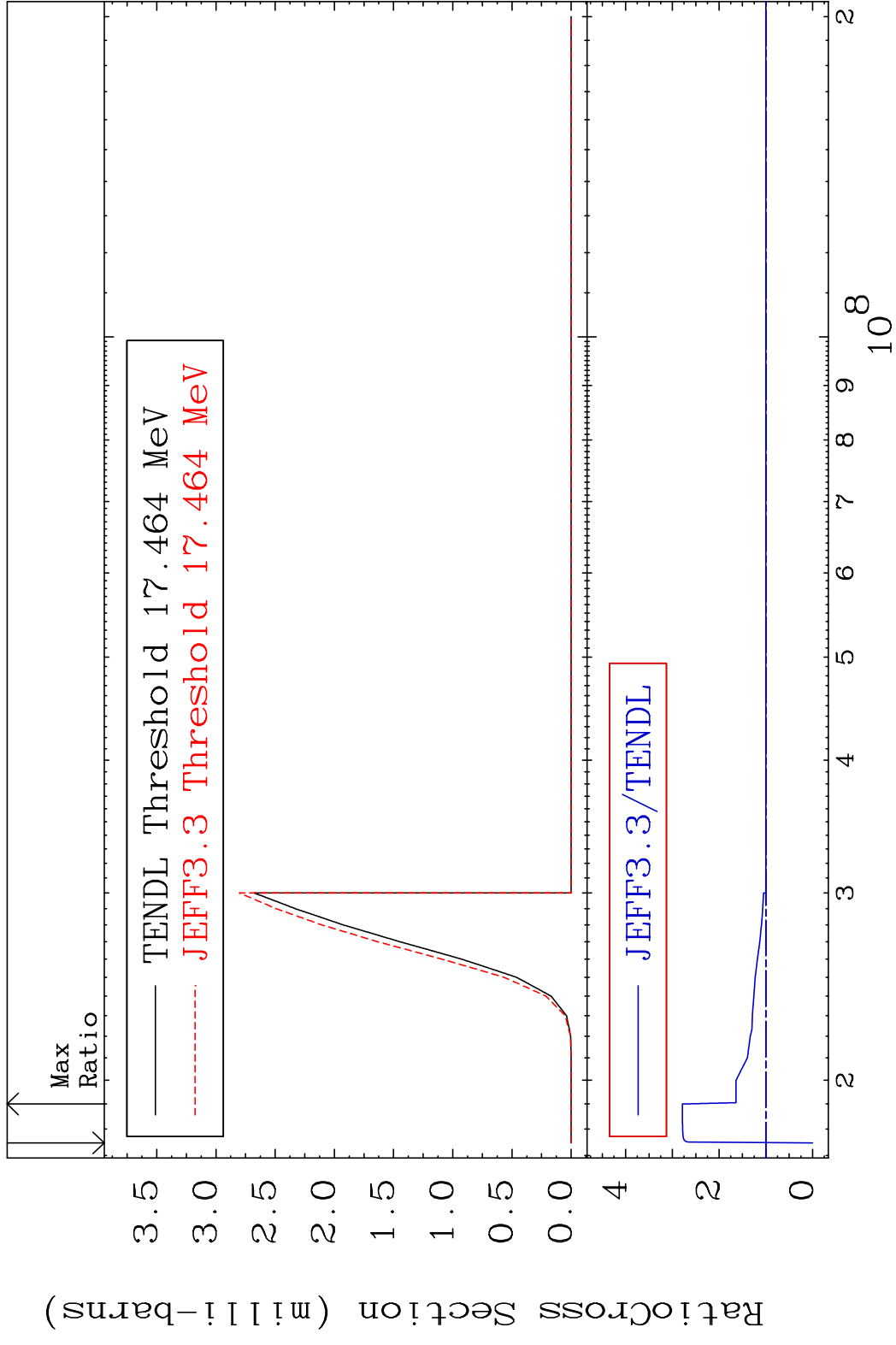
MAT 2428 (n,p) α $^{24}\text{Cr-51}$
 Cross Section -100.0 To 294.5 %



MAT 2428 (n,p) d ²⁴Cr-51
 Cross Section -100.0 To 189.9 %



MAT 2428 (n,p) t 24-Cr-51
 Cross Section -100.0 To 178.6 %

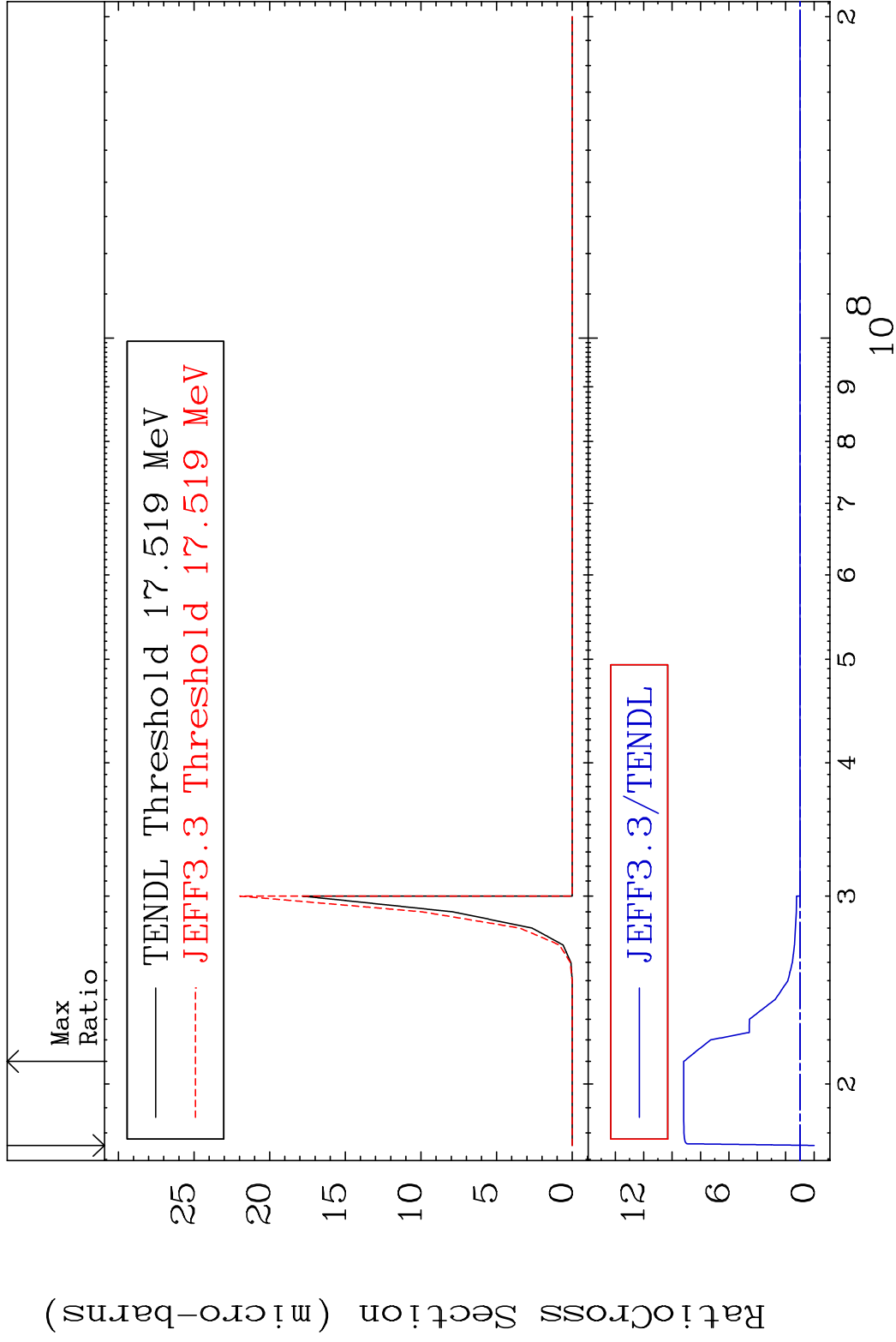


MAT 2428

(n,d) α

²⁴Cr-51

Cross Section -100.0 To 818.7 %



57

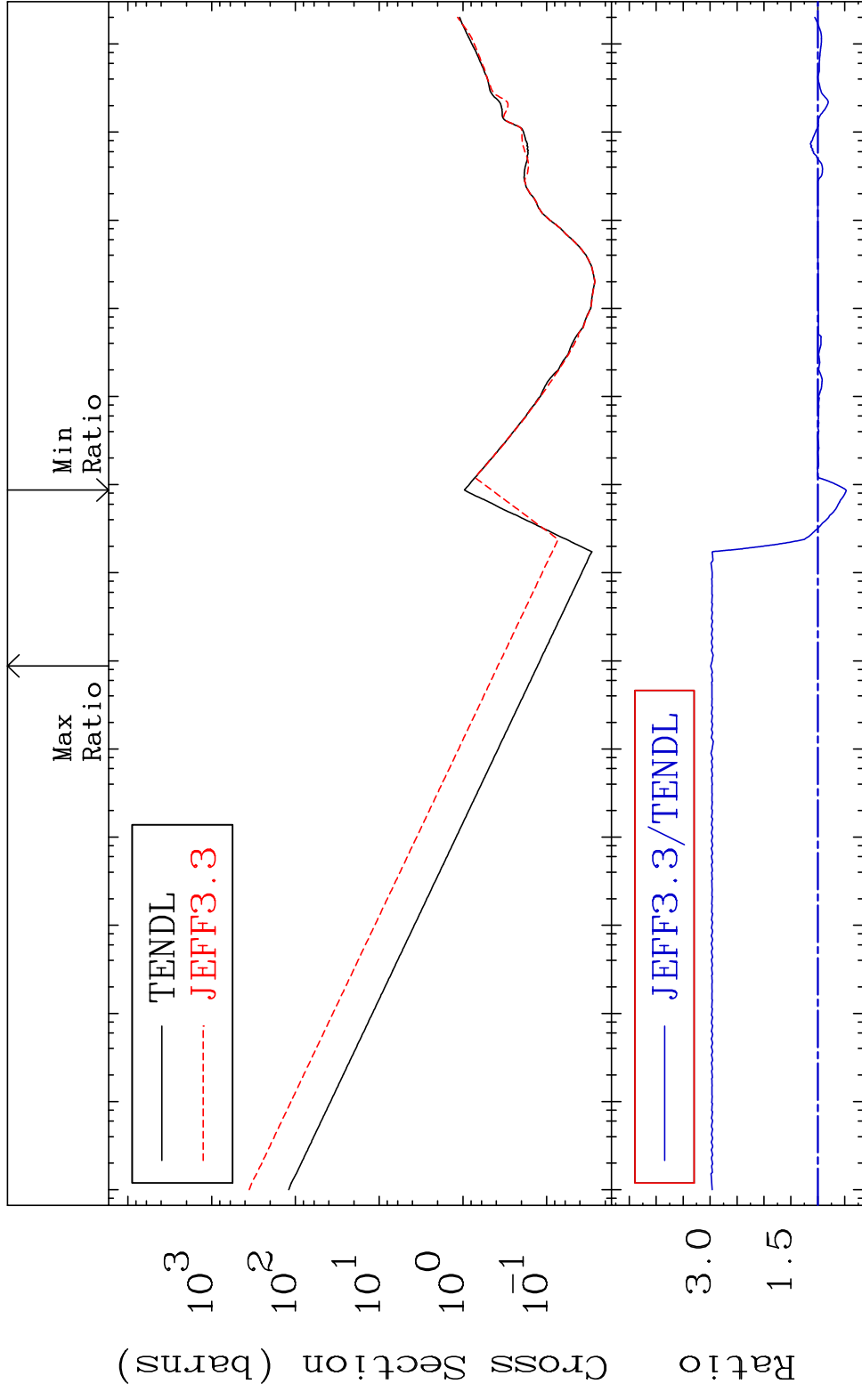
Incident Energy (eV)

²⁴Cr-51

MAT 2428

Hydrogen Production
Cross Section -52.89 To 198.8 %

24-Cr-51



58

Incident Energy (eV)

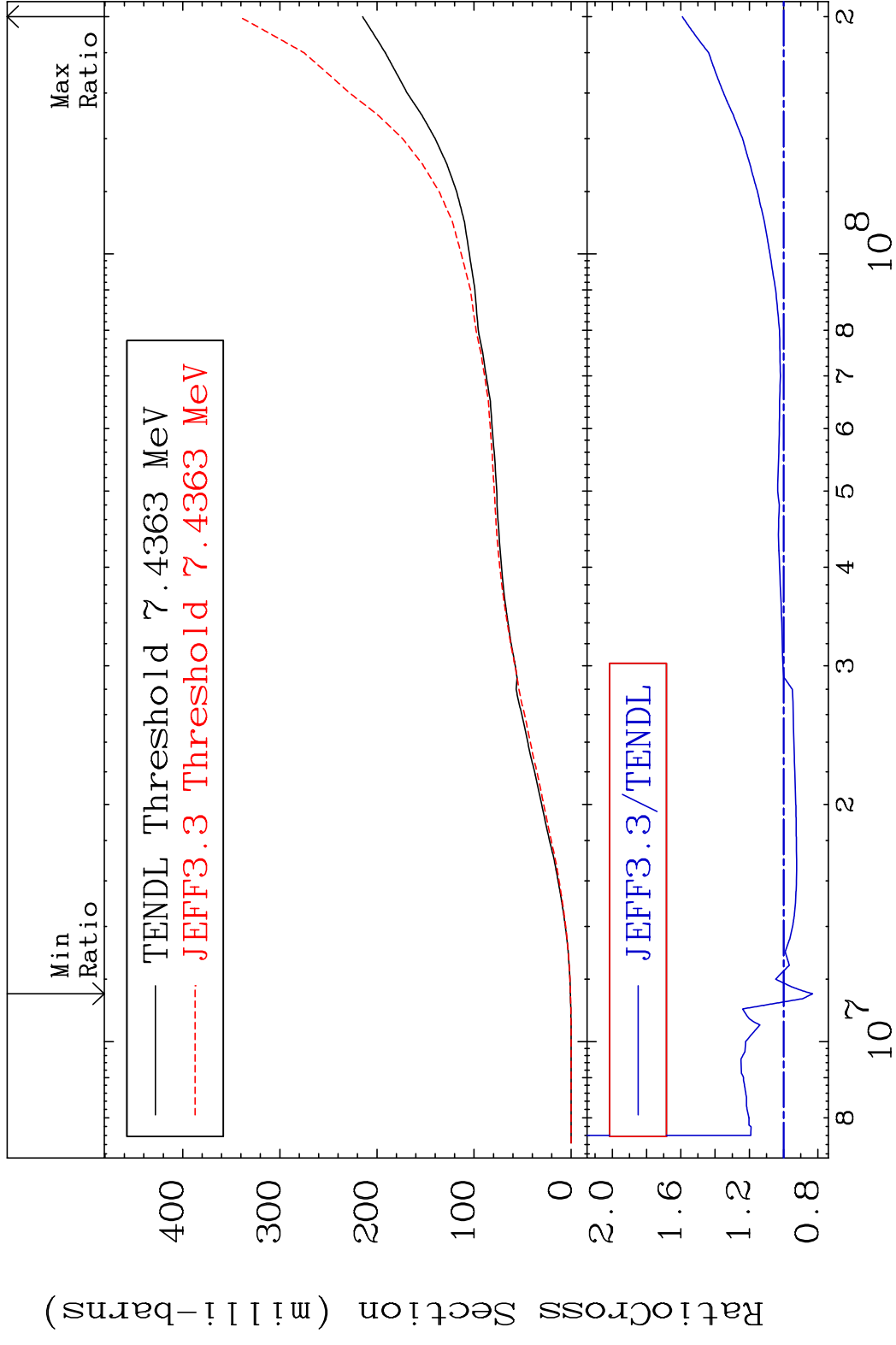
24-Cr-51

MAT 2428

Deuterium Production

²⁴Cr-51

Cross Section -16.86 To 59.11 %

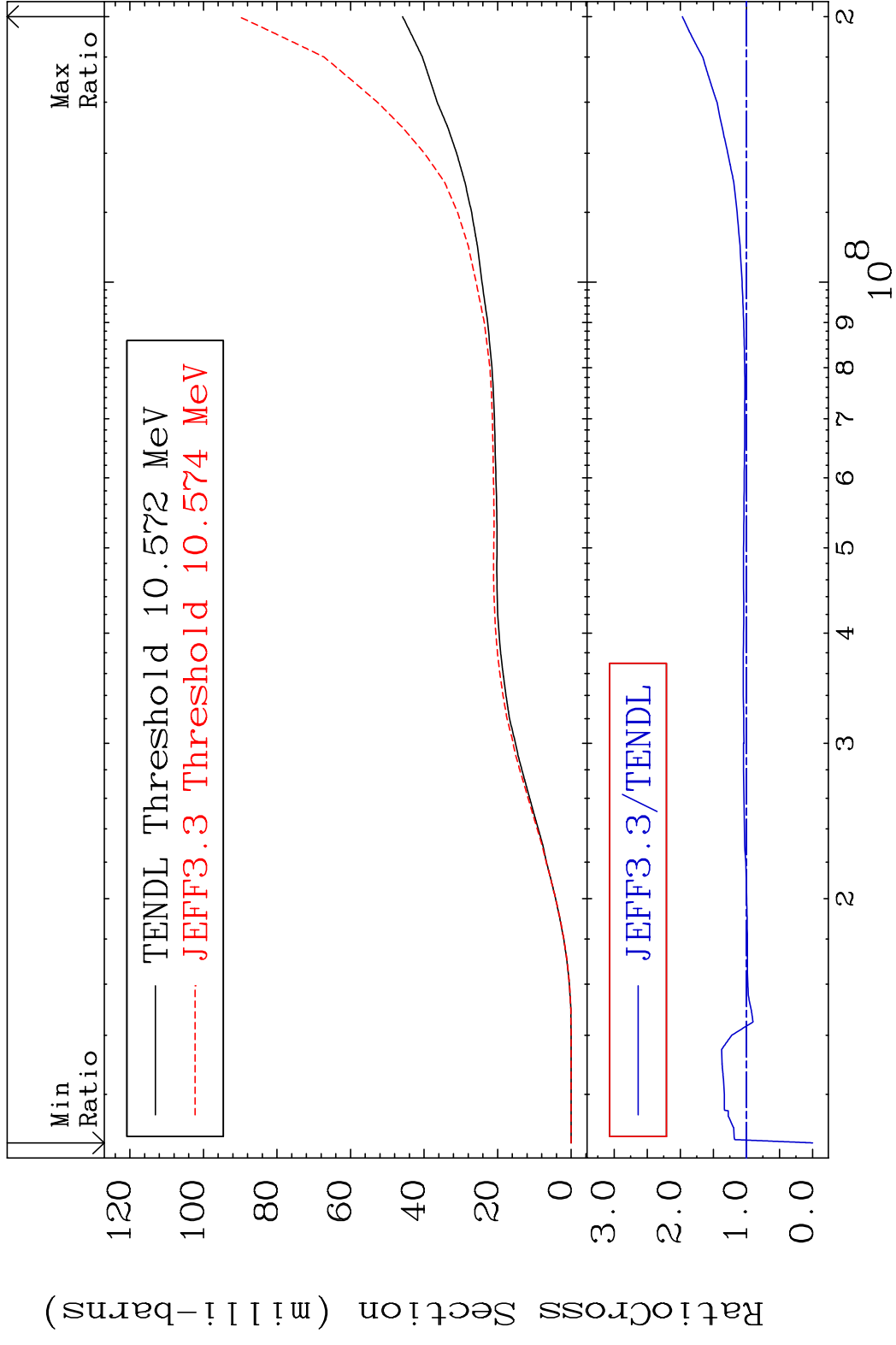


59

Incident Energy (eV)

²⁴Cr-51

MAT 2428 Tritium Production 24-Cr-51
 Cross Section -100.0 To 96.92 %

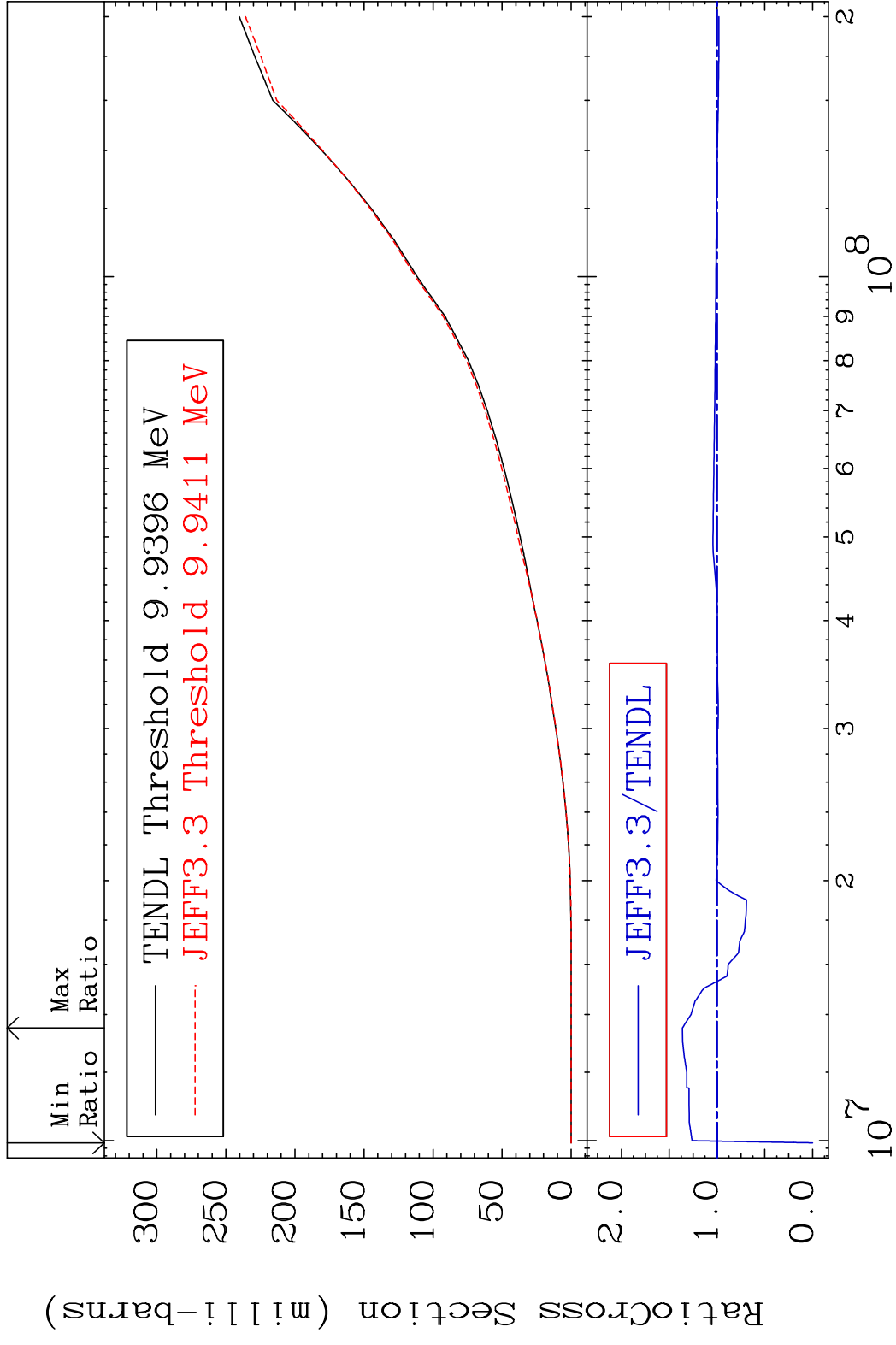


MAT 2428

He-3 Production

²⁴Cr-51

Cross Section -100.0 To 36.26 %

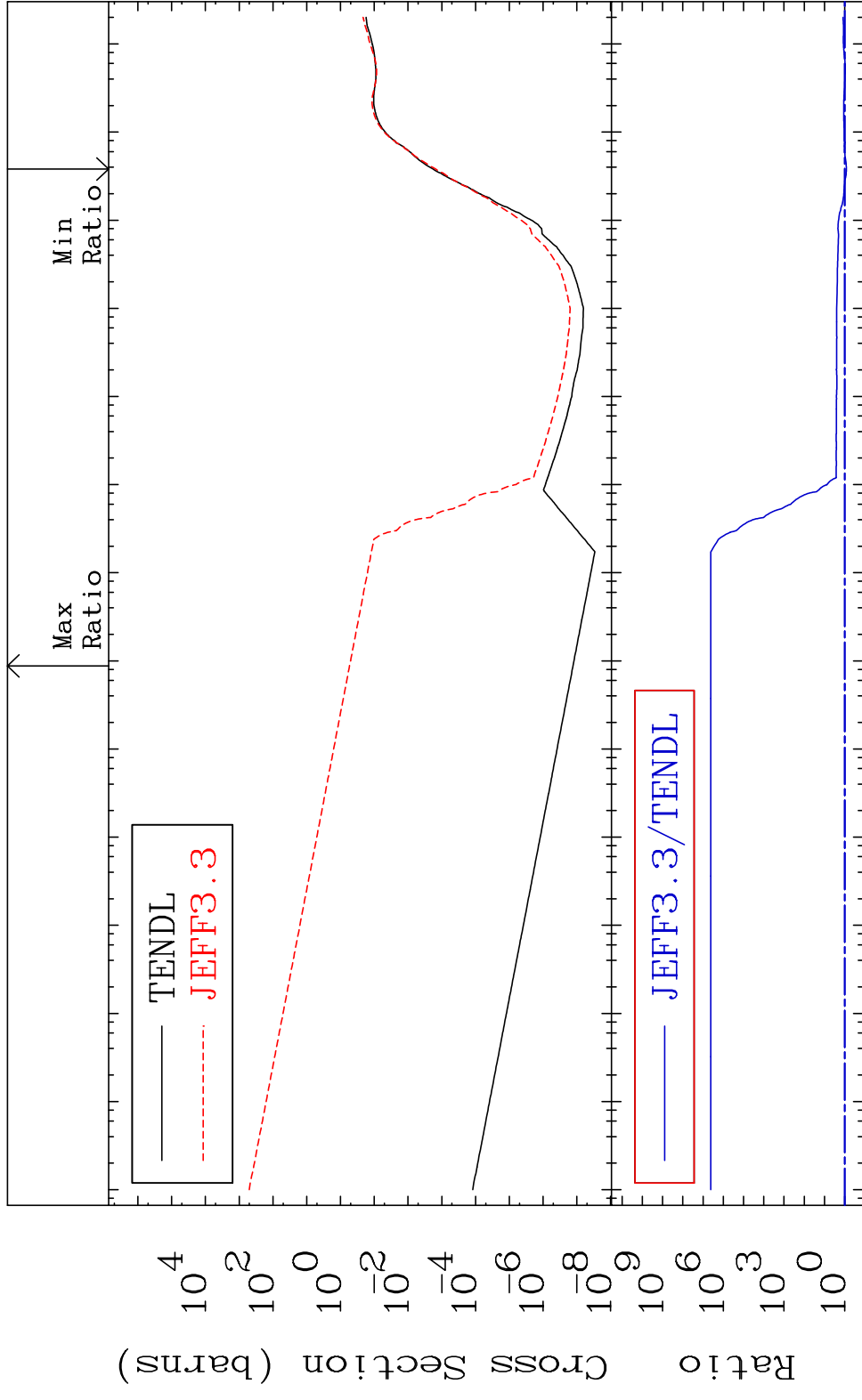


MAT 2428

He-4 Production

24-Cr-51

Cross Section -16.56 To 9999. %



Ratio
Cross Section (barns)

10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸
10⁻⁹
10⁶
10³
10⁰

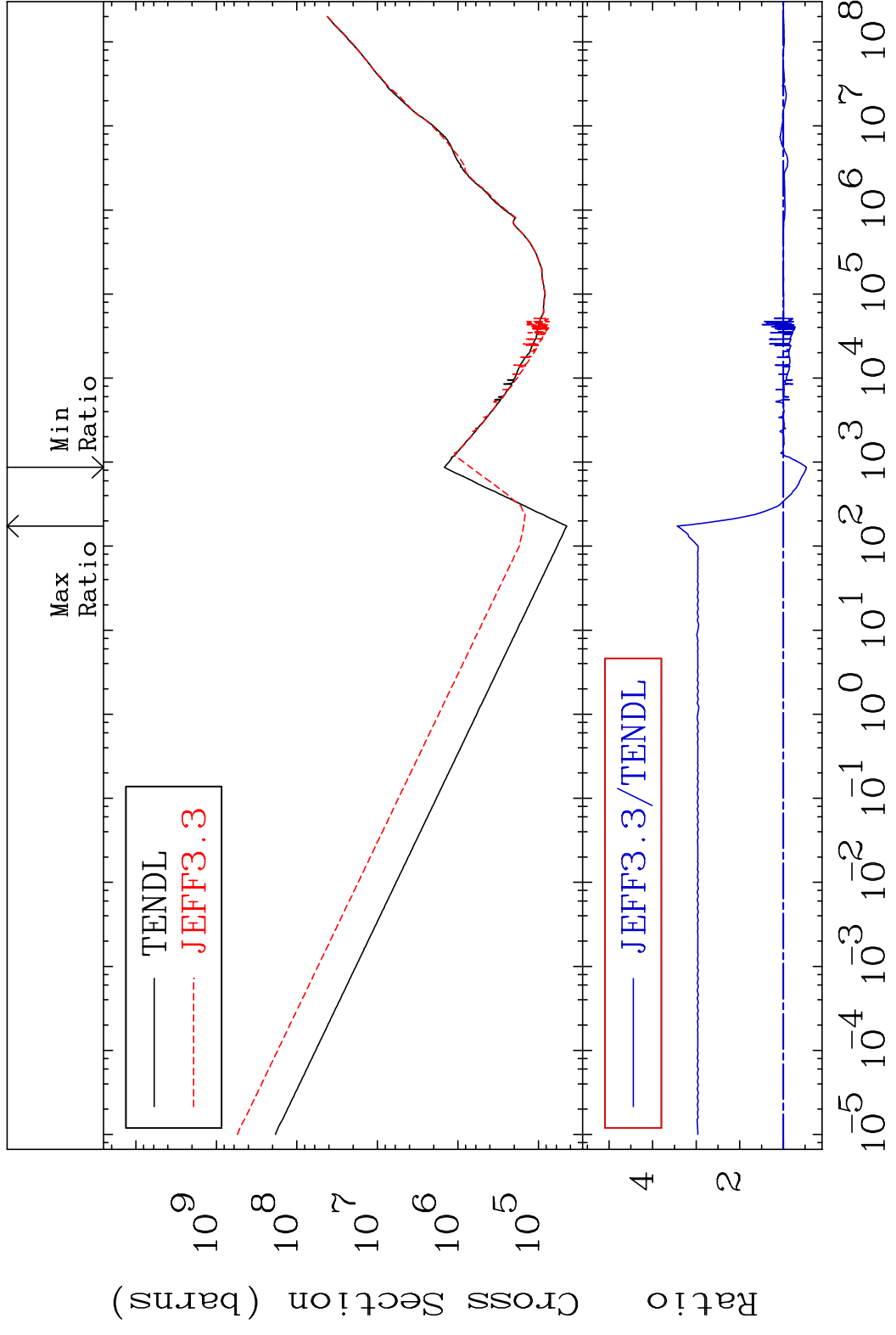
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

62

Incident Energy (eV)

24-Cr-51

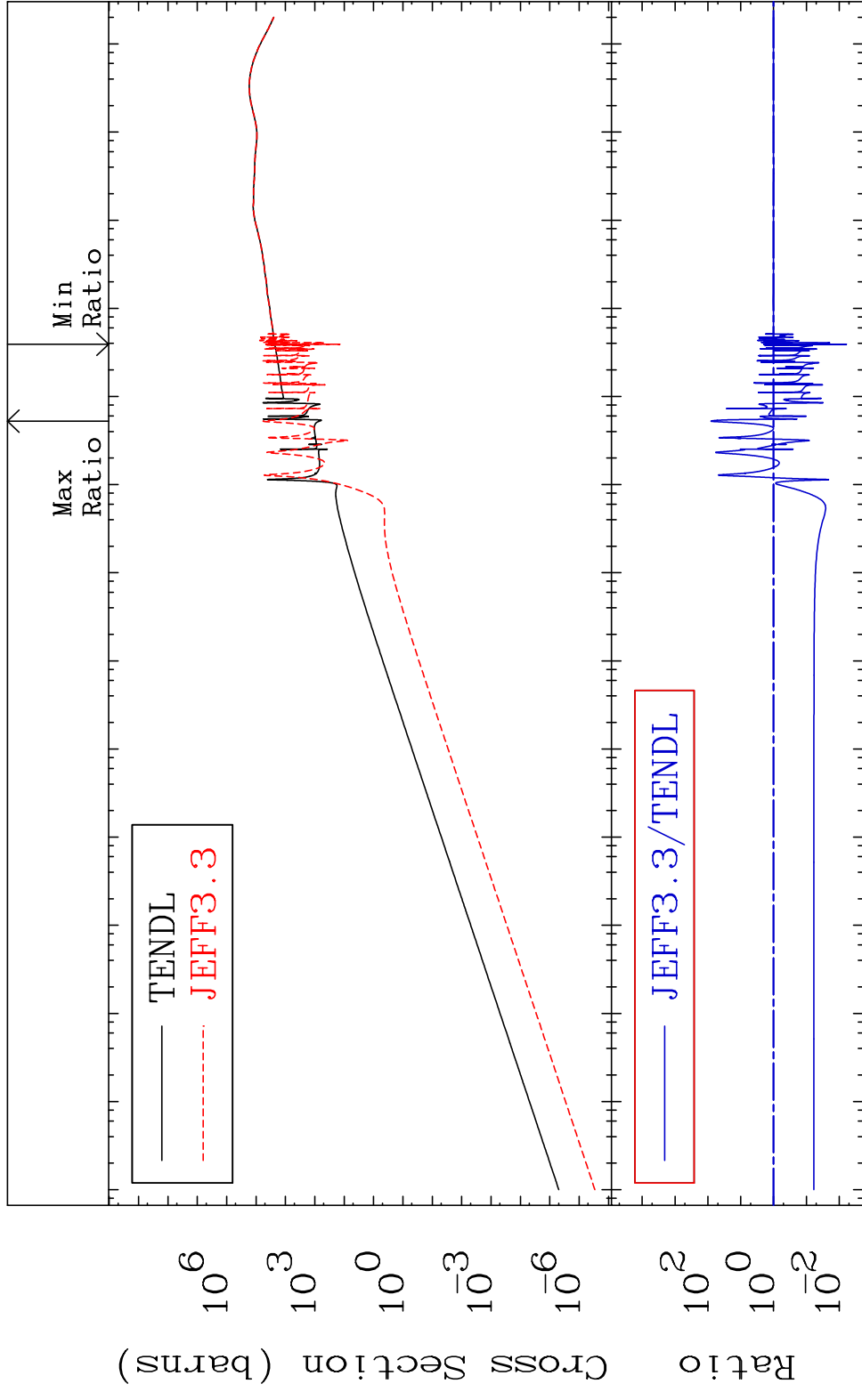
MAT 2428 Kerma total (eV-barns) 24-Cr-51
 Cross Section -52.88 To 243.7 %



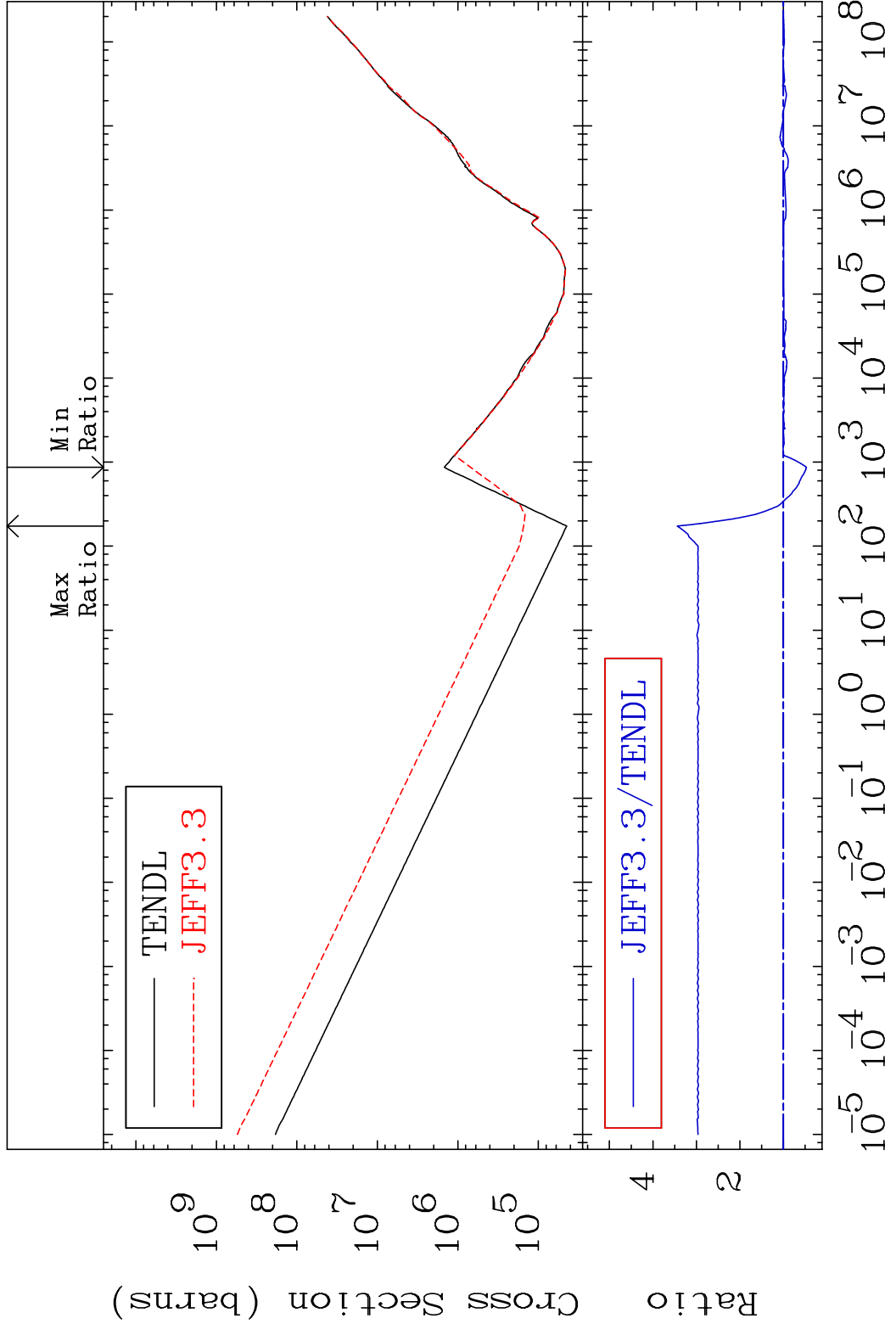
63 Incident Energy (eV) 24-Cr-51

MAT 2428

Kerma elastic Cross Section -99.39 To 8099. %
24-Cr-51

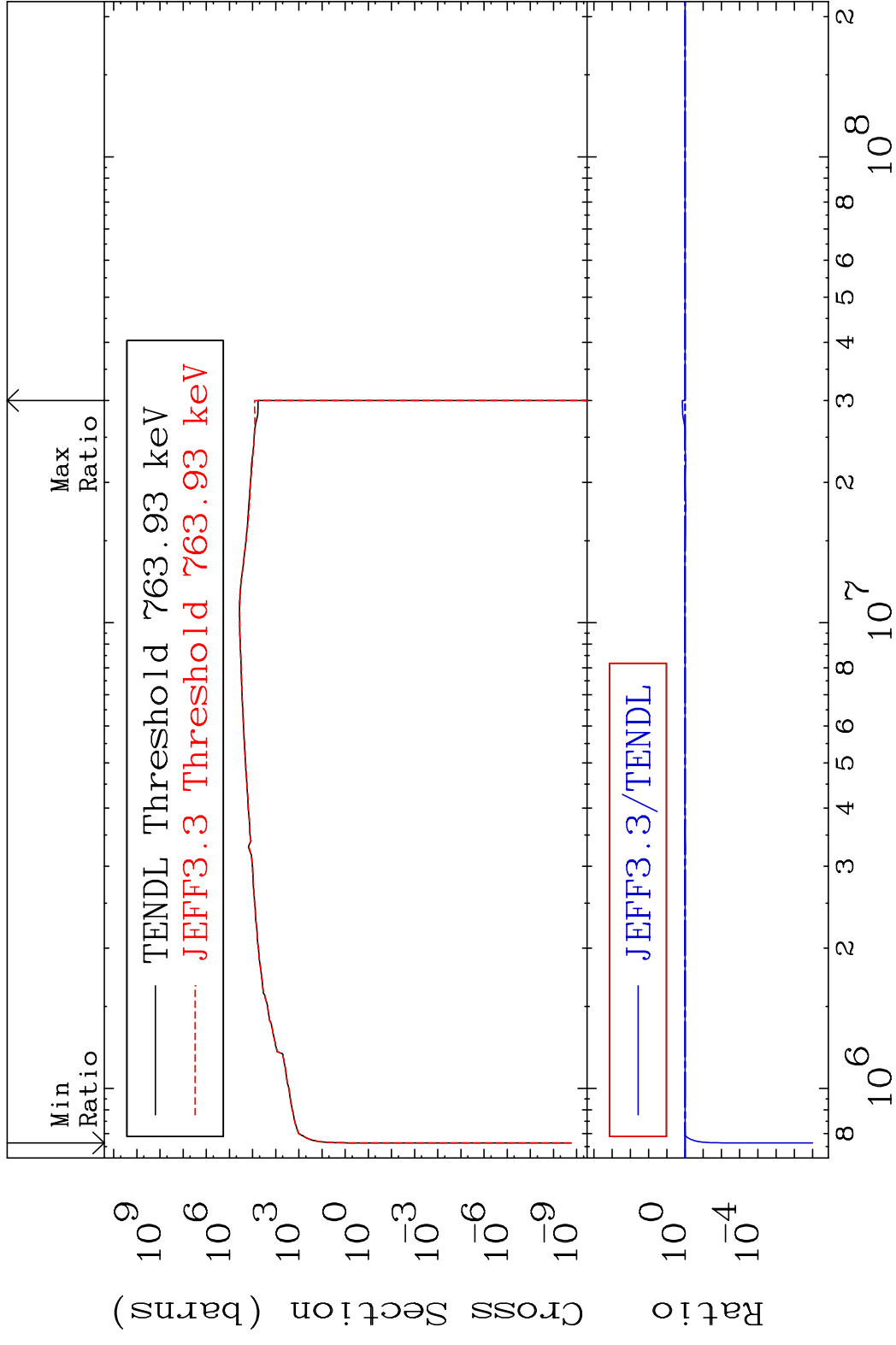


MAT 2428 Kerma non-elastic (all but mt2) 24-Cr-51
 Cross Section -52.88 To 244.2 %

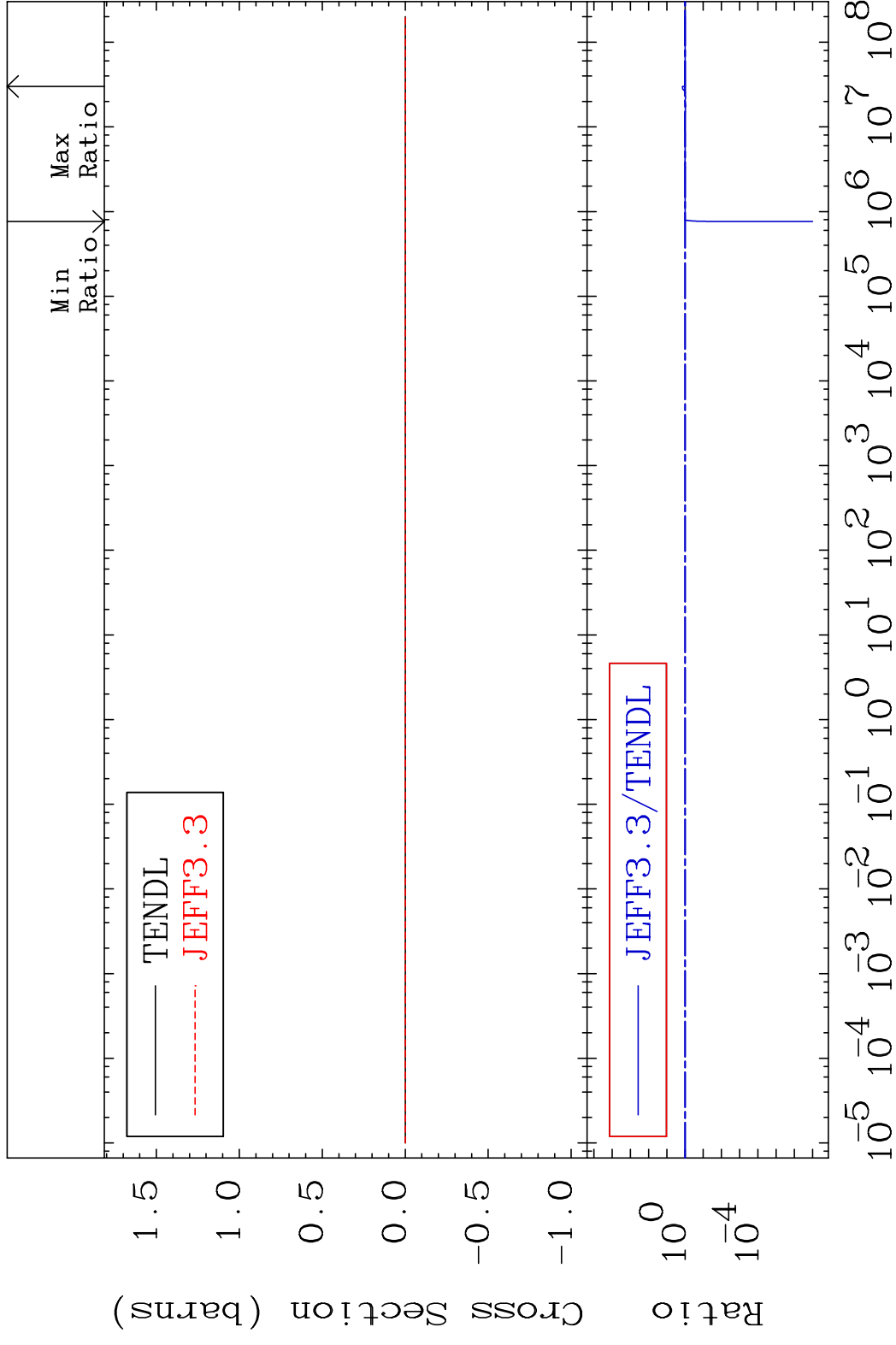


65 Incident Energy (eV) 24-Cr-51

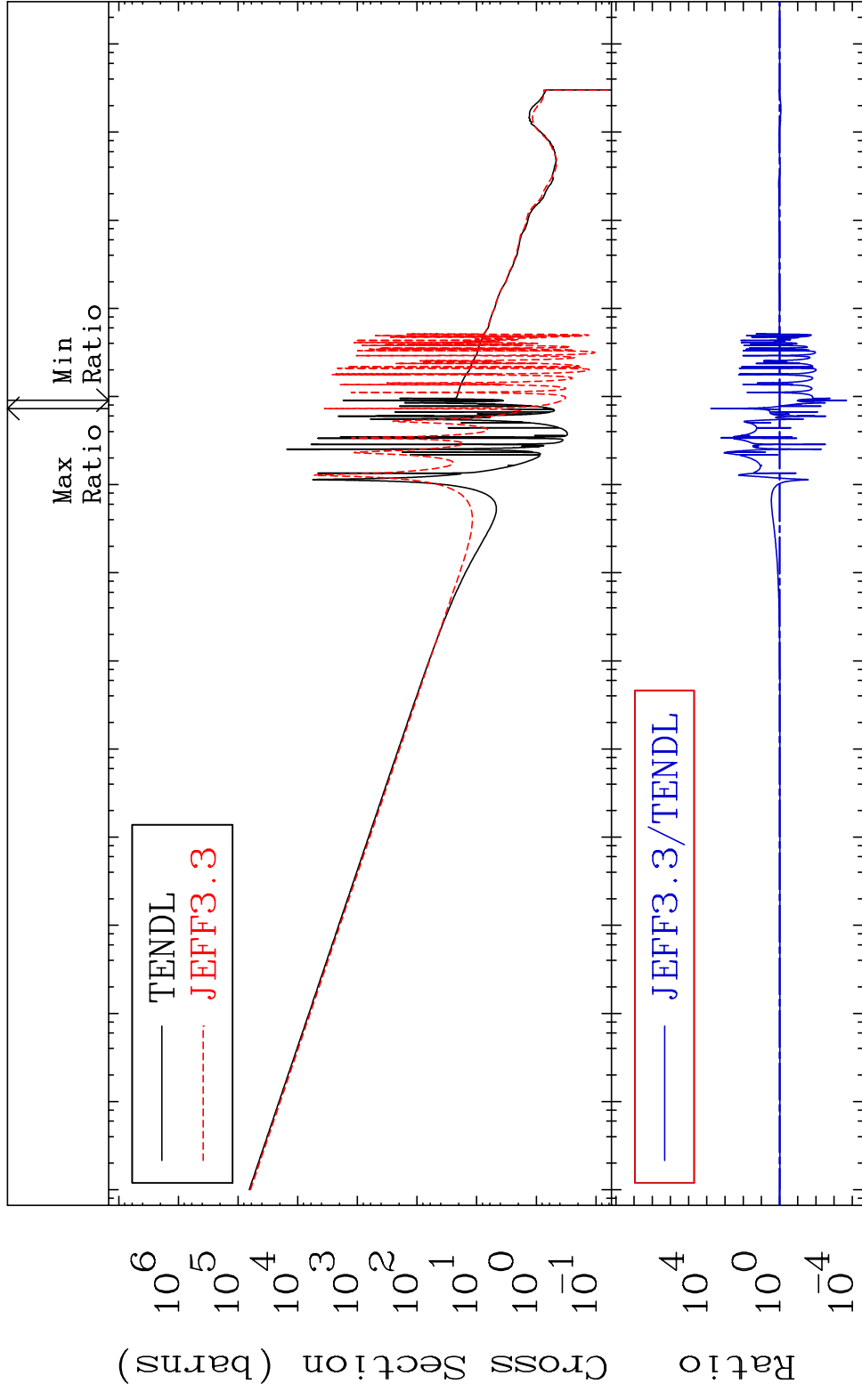
MAT 2428 Kerma inelastic (mt51-91) 24-Cr-51
 Cross Section -100.0 To 40.09 %



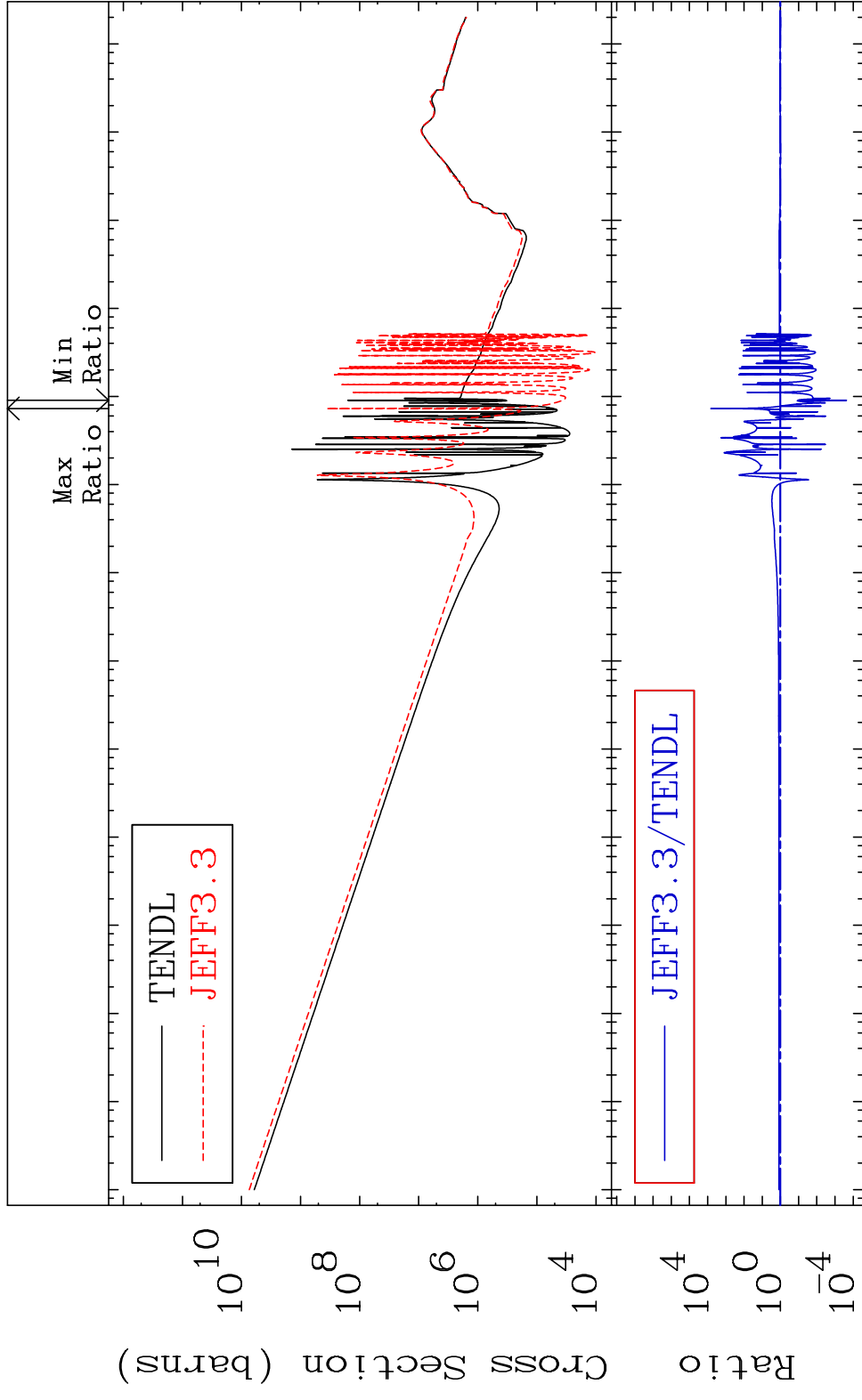
MAT 2428 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-51
 Cross Section -100.0 To 40.09 %



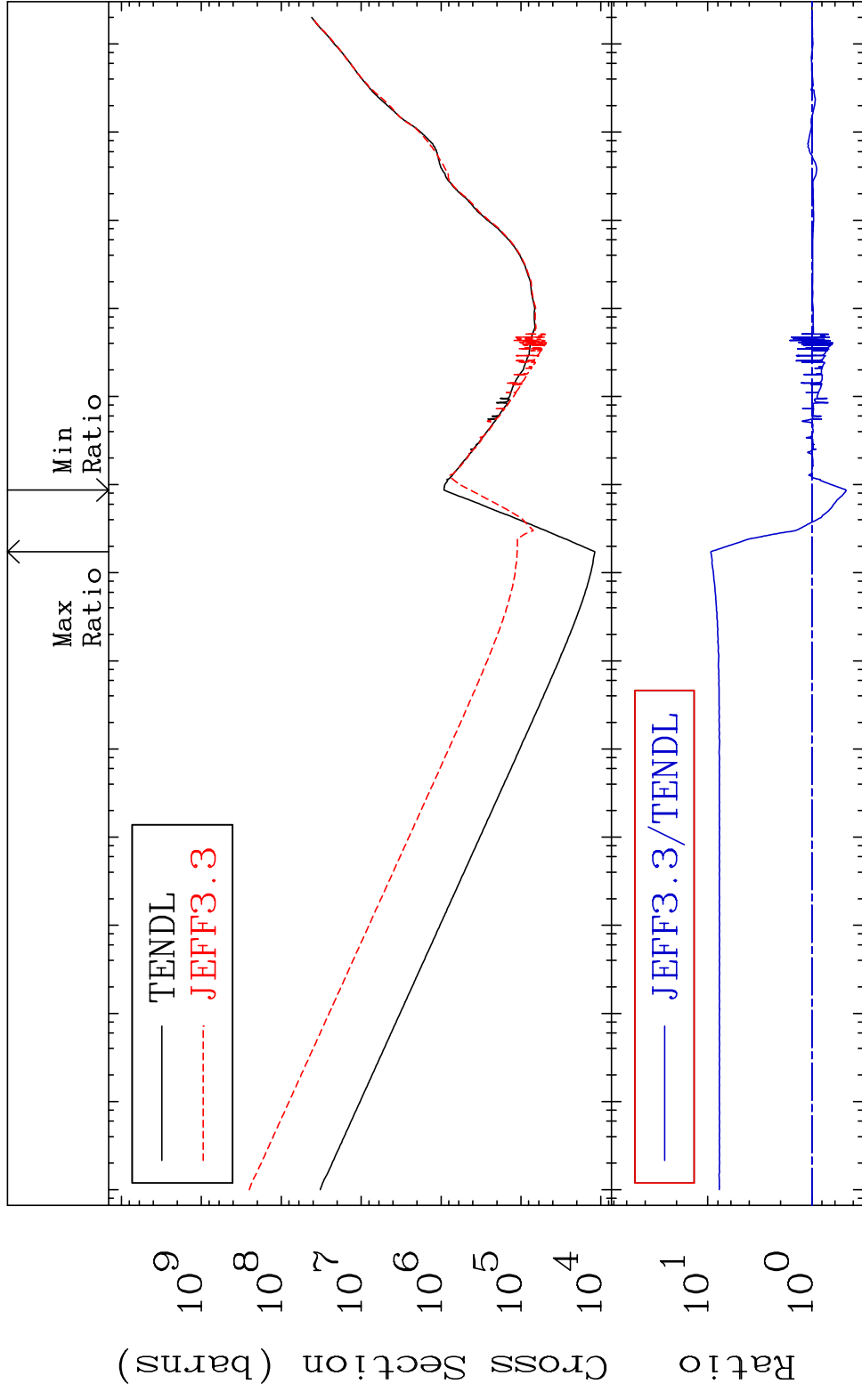
MAT 2428 Kerma capture (mt102) 24-Cr-51
 Cross Section -99.98 To 9999. %



MAT 2428 Total photon (eV-barns) 24-Cr-51
 Cross Section -99.98 To 9999. %



MAT 2428 Total kinematic kerma (high limit) 24-Cr-51
 Cross Section -53.31 To 837.1 %



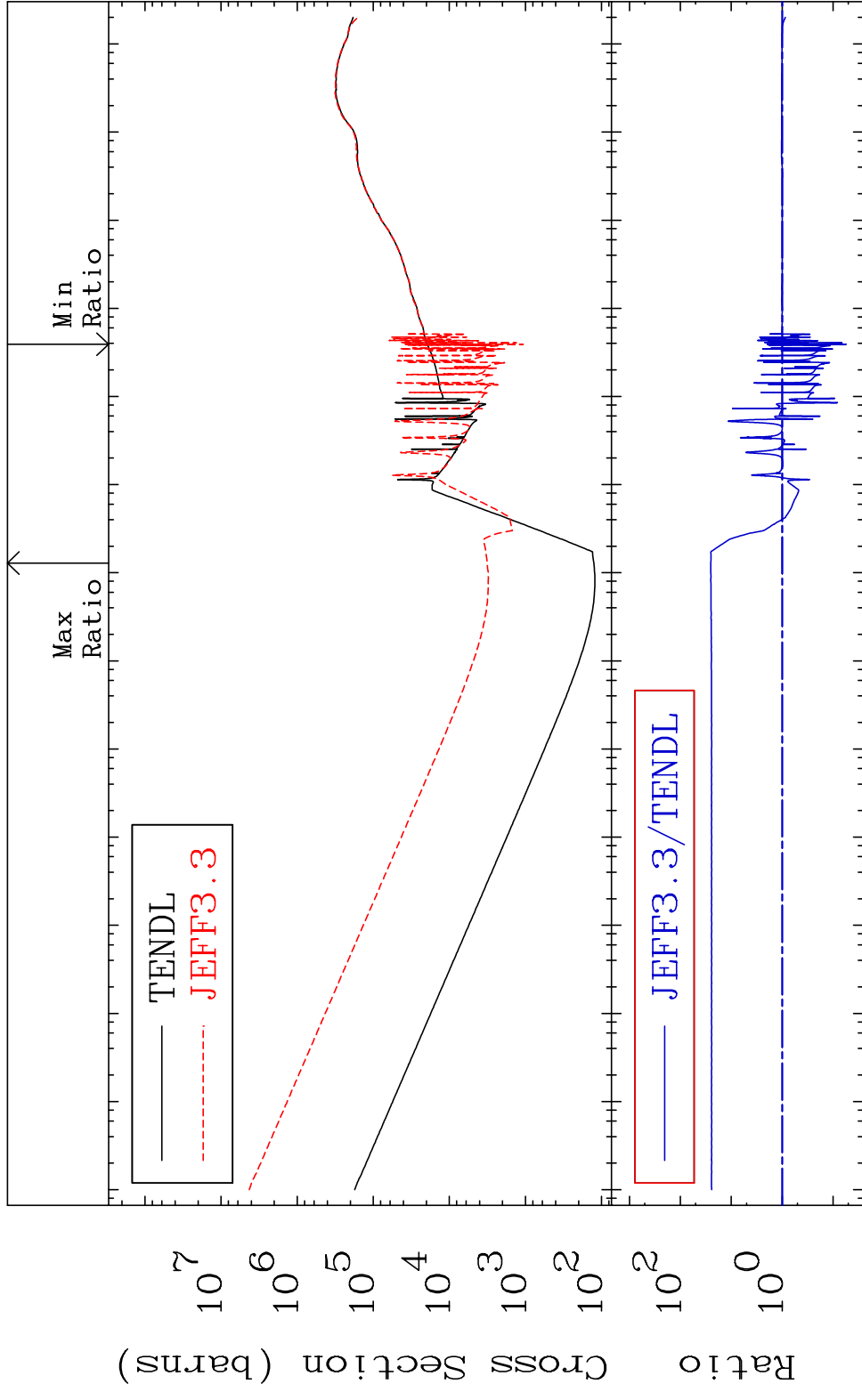
70 Incident Energy (eV) 24-Cr-51

MAT 2428

Dpa total (eV-barns)

24-Cr-51

Cross Section -94.52 To 2431. %



71

Incident Energy (eV)

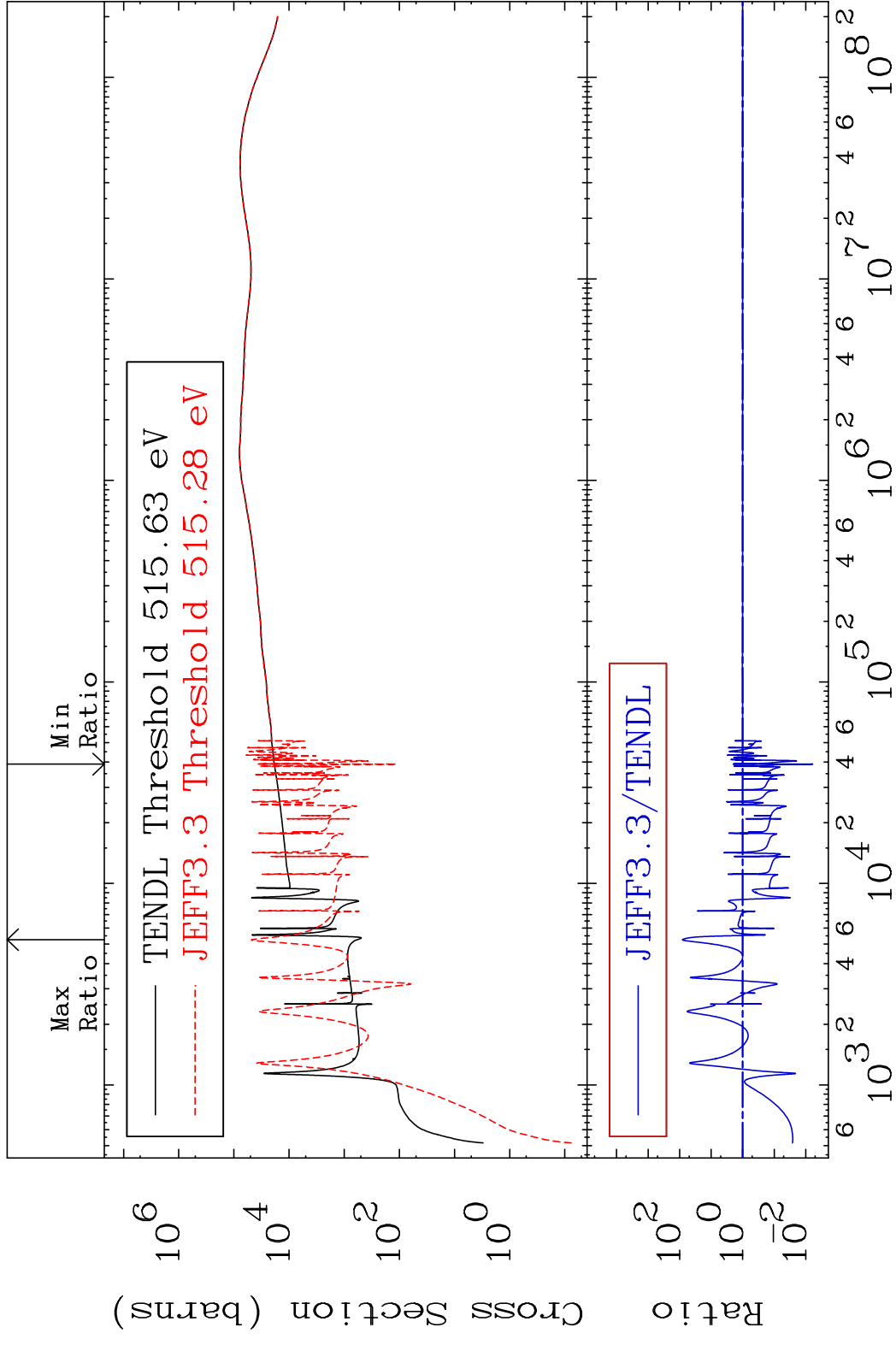
24-Cr-51

MAT 2428

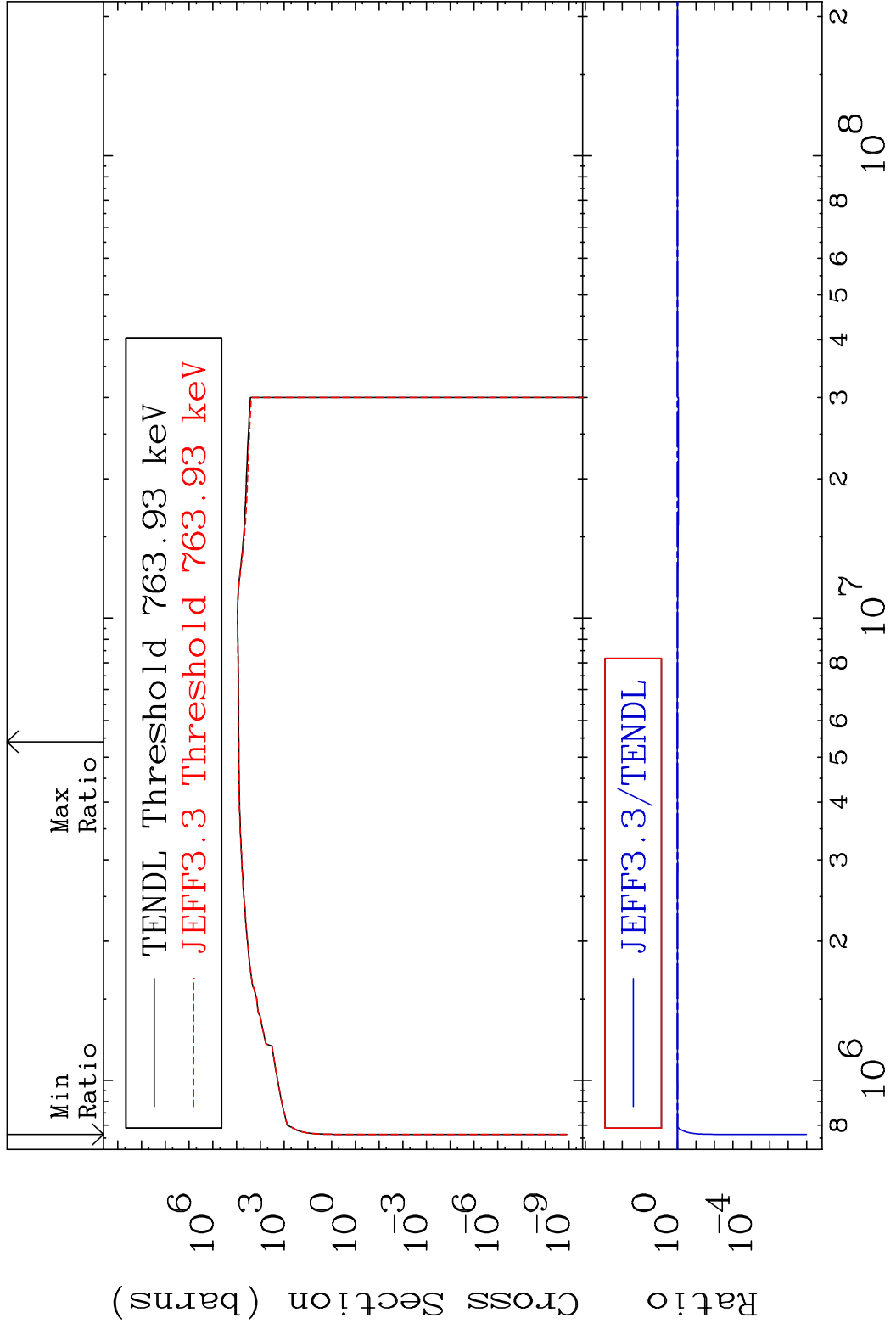
Dpa elastic (mt2)

24-Cr-51

Cross Section -99.39 To 8099. %

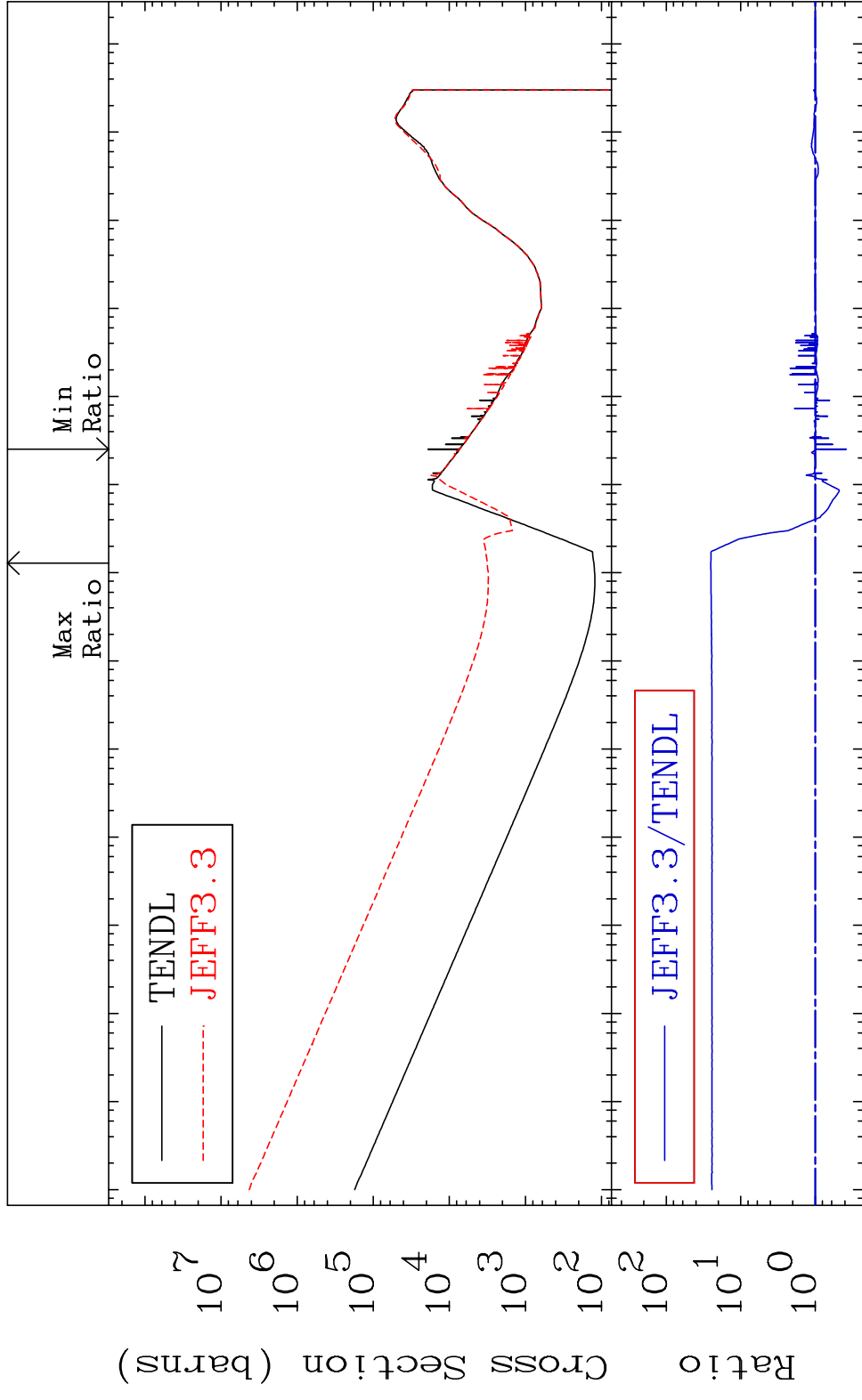


MAT 2428 Dpa inelastic (mt51-91) 24-Cr-51
 Cross Section -100.0 To 4.583 %



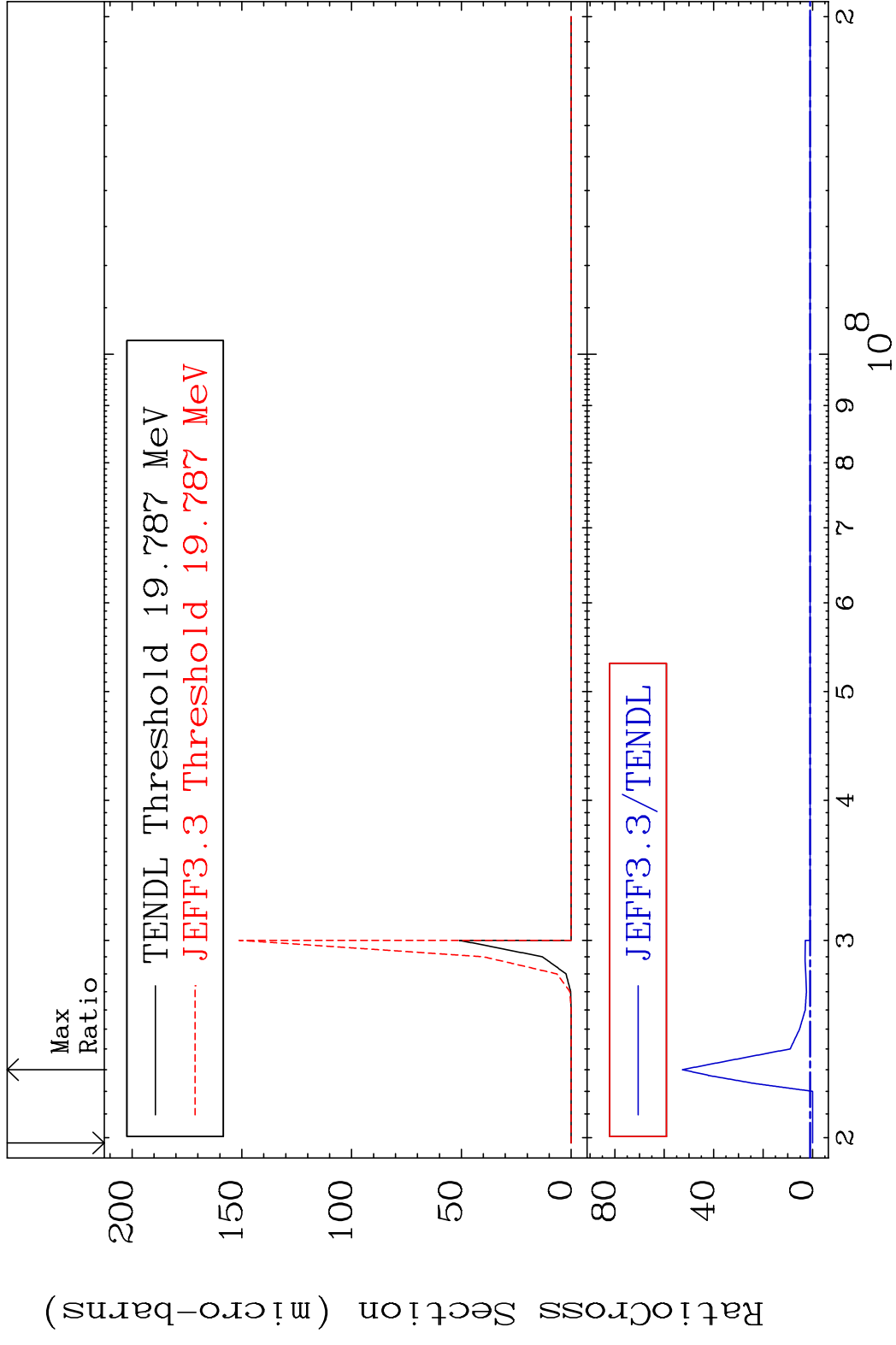
73 Incident Energy (eV) 24-Cr-51

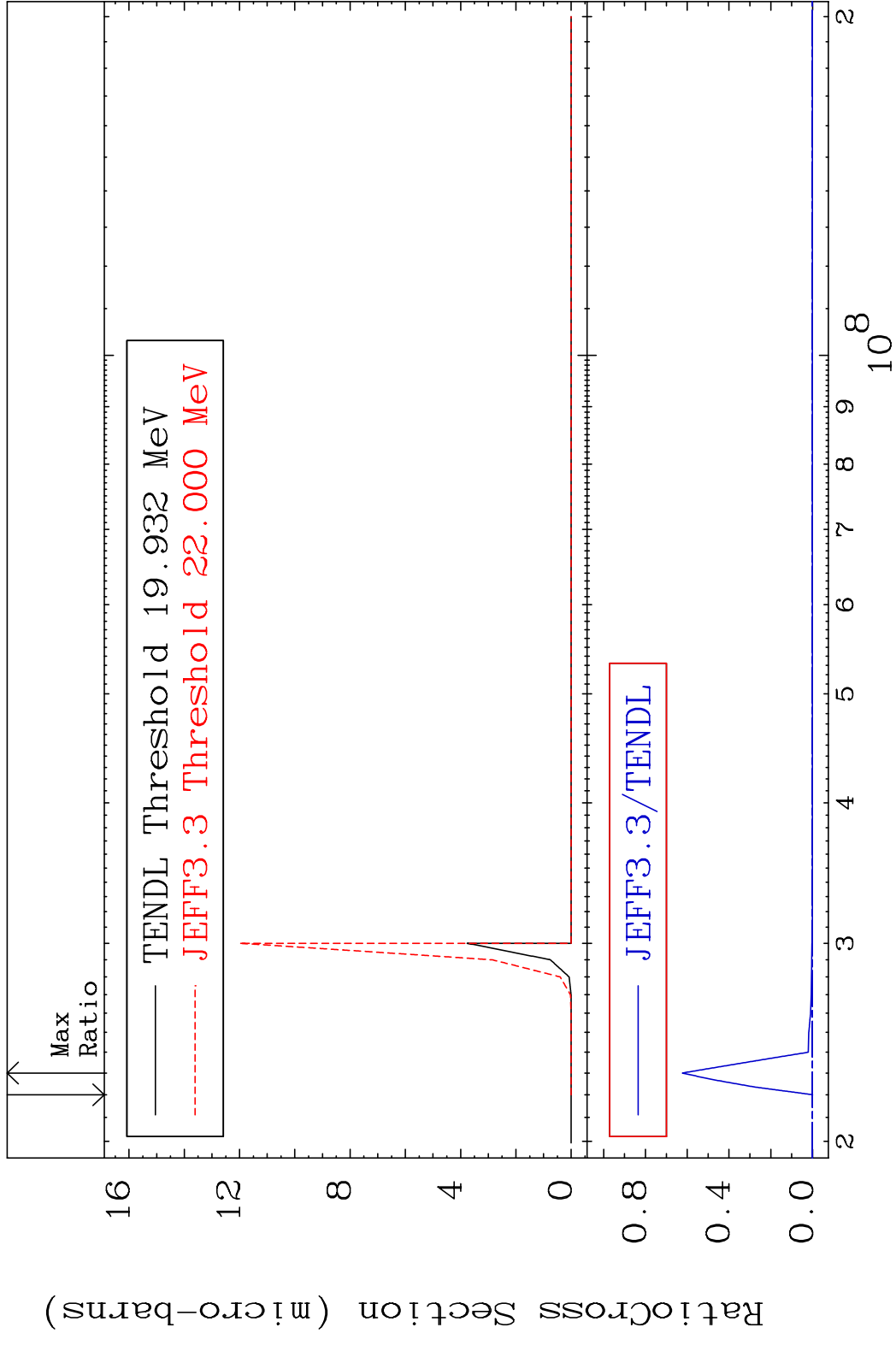
MAT 2428 Dpa disappearance (mt102 -120) 24-Cr-51
 Cross Section -61.80 To 2431. %



74 Incident Energy (eV) 24-Cr-51

MAT 2428 (n, n') p α :21-Sc-46g 24-Cr-51
 Radionuclide Production Cross Section 1800 d to 5167. %





MAT 2428 (n, d) α :21-Sc-46g 24-Cr-51
 Radionuclide Production Cross Section 1800 dth 825.7 %

