

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

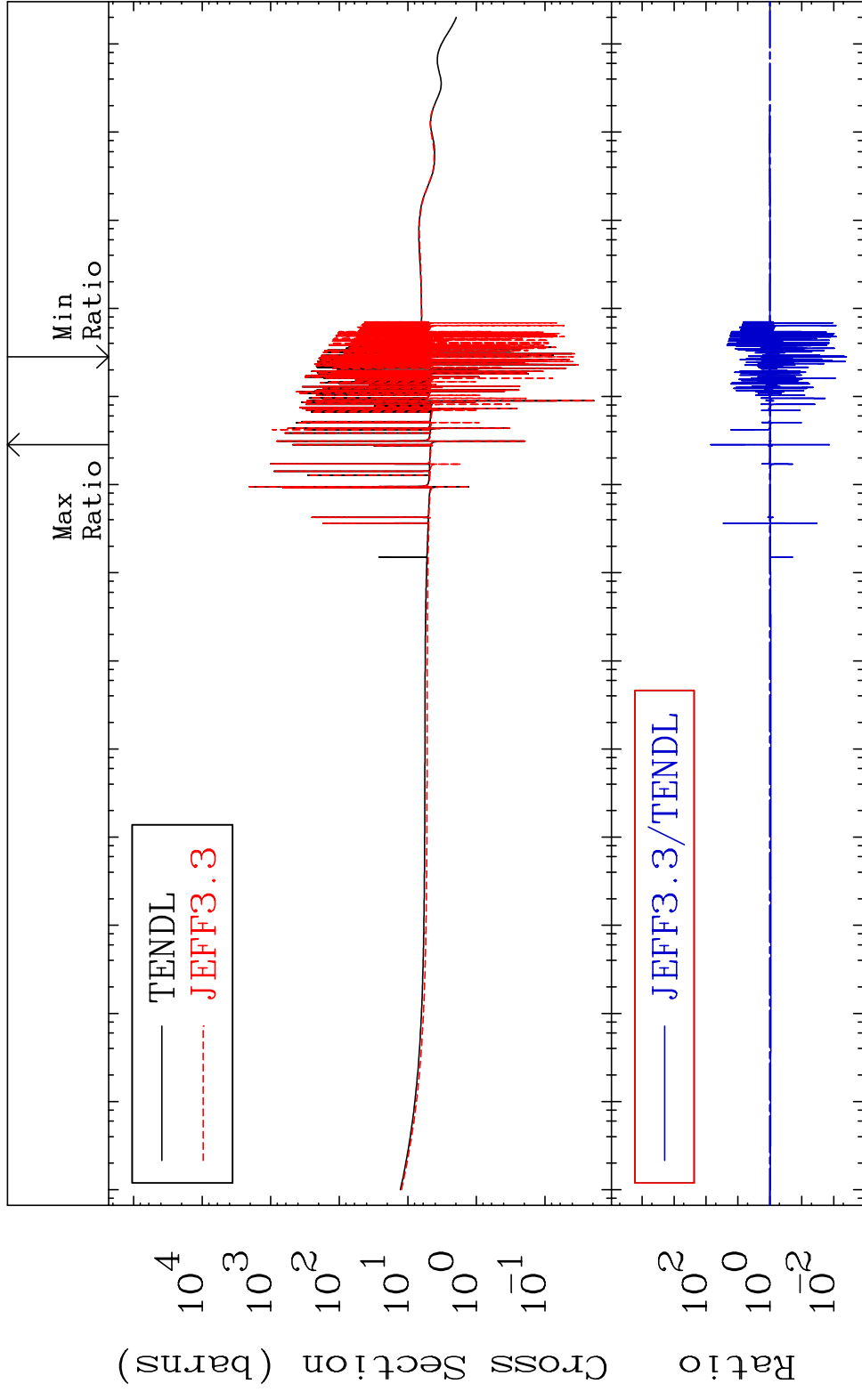
MAT 5049

Total

50-Sn-120

Cross Section

-99.60 To 7030. %



Cross Section (barns)

Ratio

Incident Energy (eV)

1

50-Sn-120

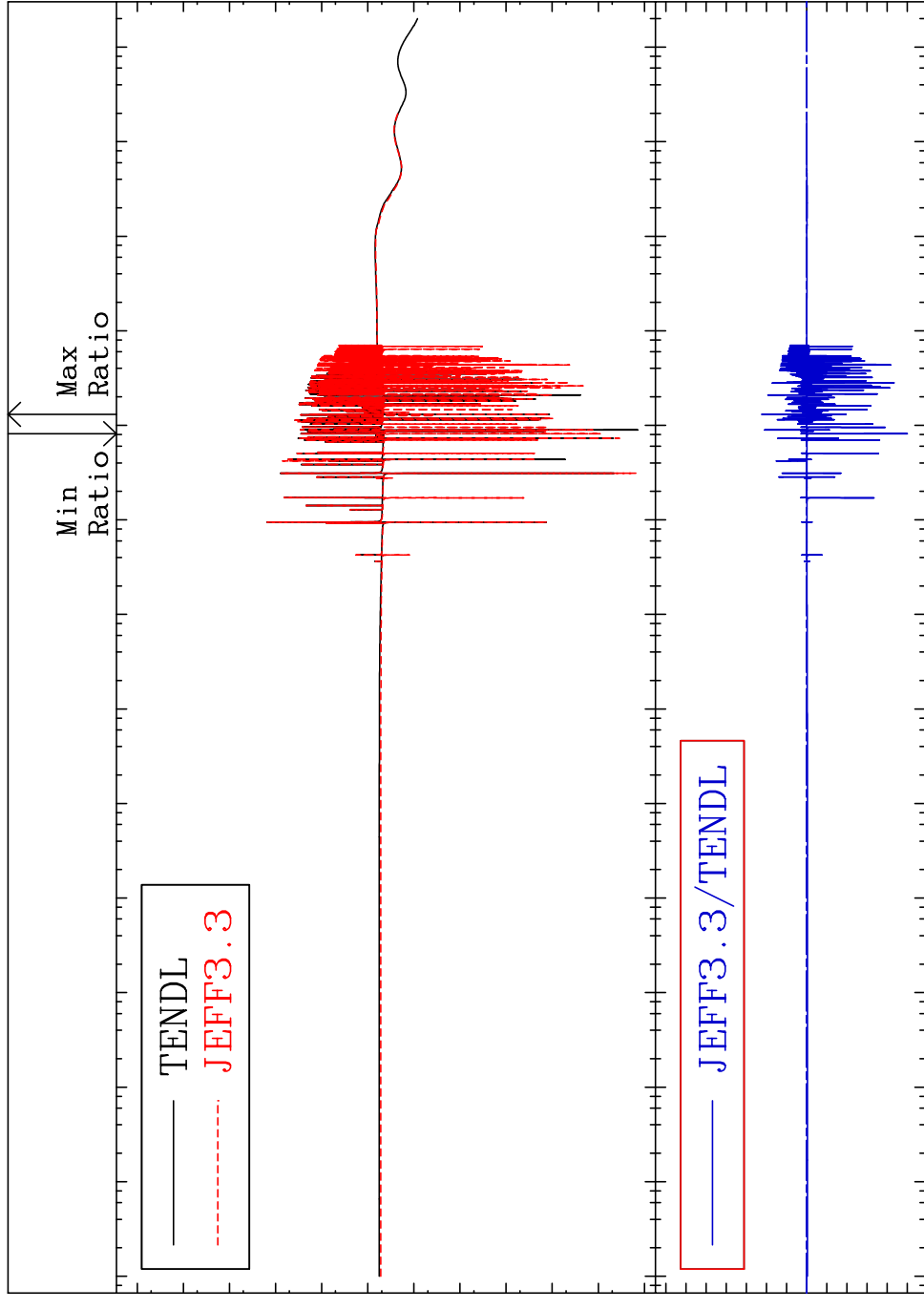
MAT 5049

Elastic

50-Sn-120

Cross Section

-100.0 To 9999. %



Cross Section (barns)

Ratio

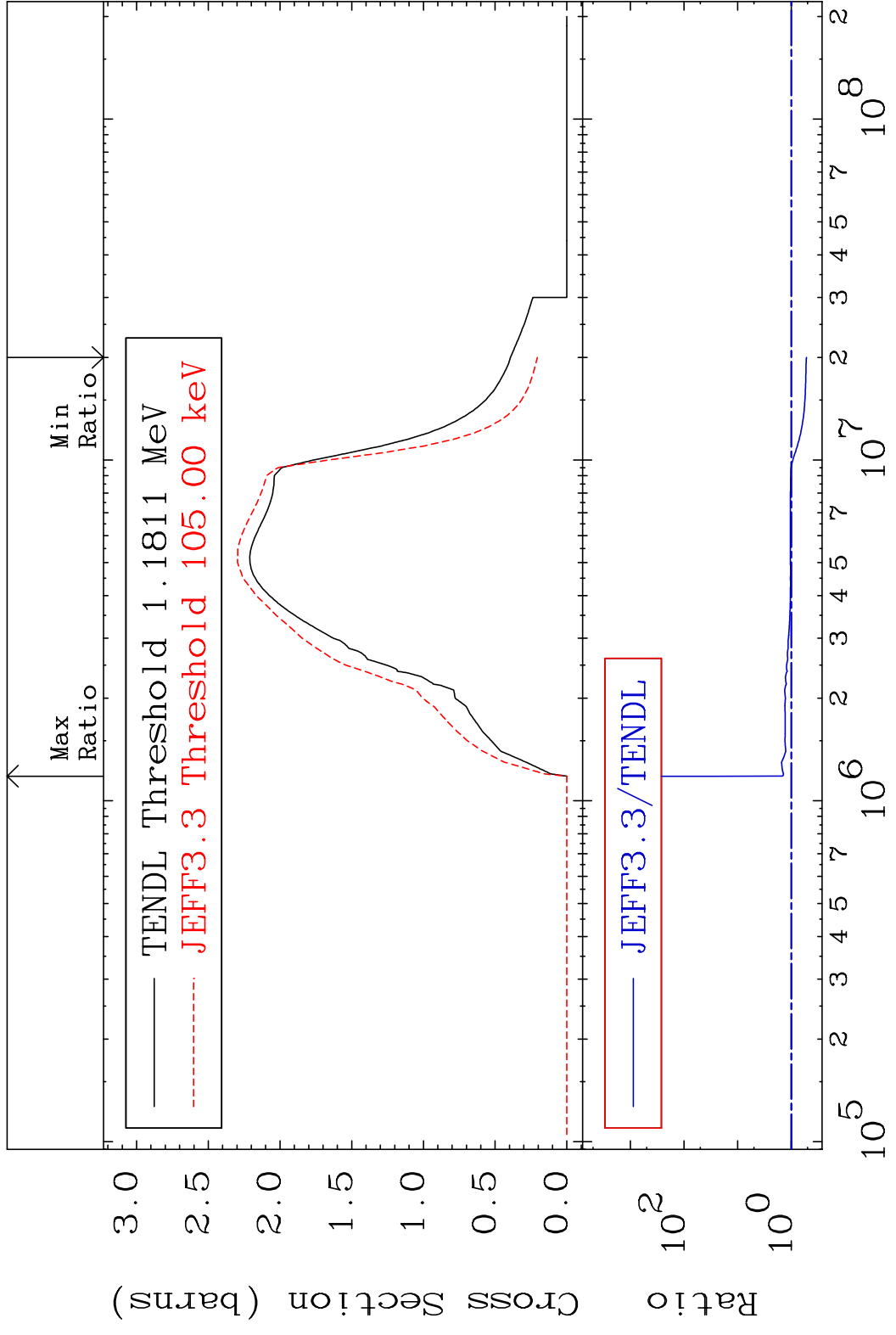
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

50-Sn-120

MAT 5049

Inelastic
Cross Section -47.57 To 9999. %
50-Sn-120



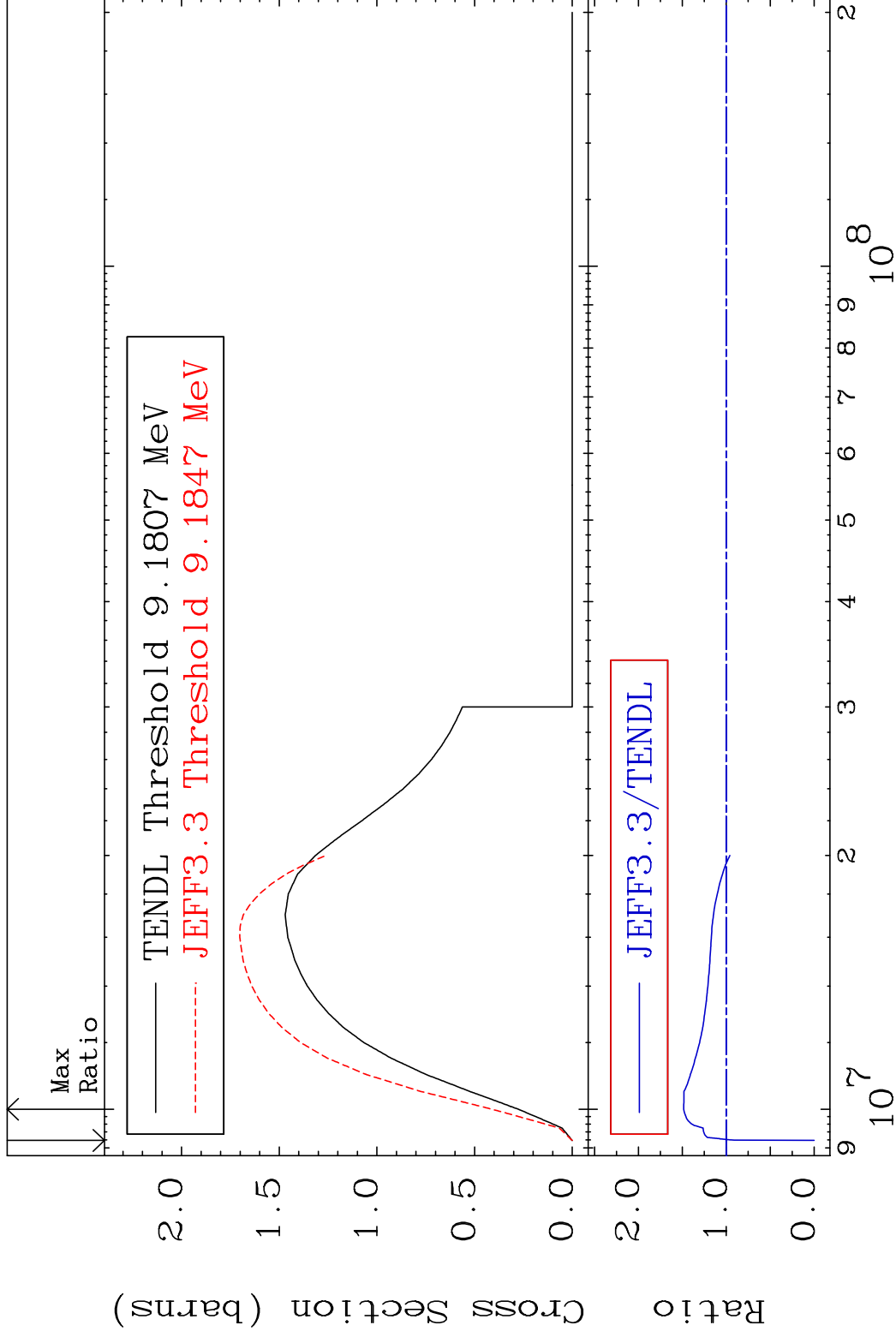
3 Incident Energy (eV) 50-Sn-120

MAT 5049

(n,2n)

50-Sn-120

Cross Section -100.0 To 48.51 %



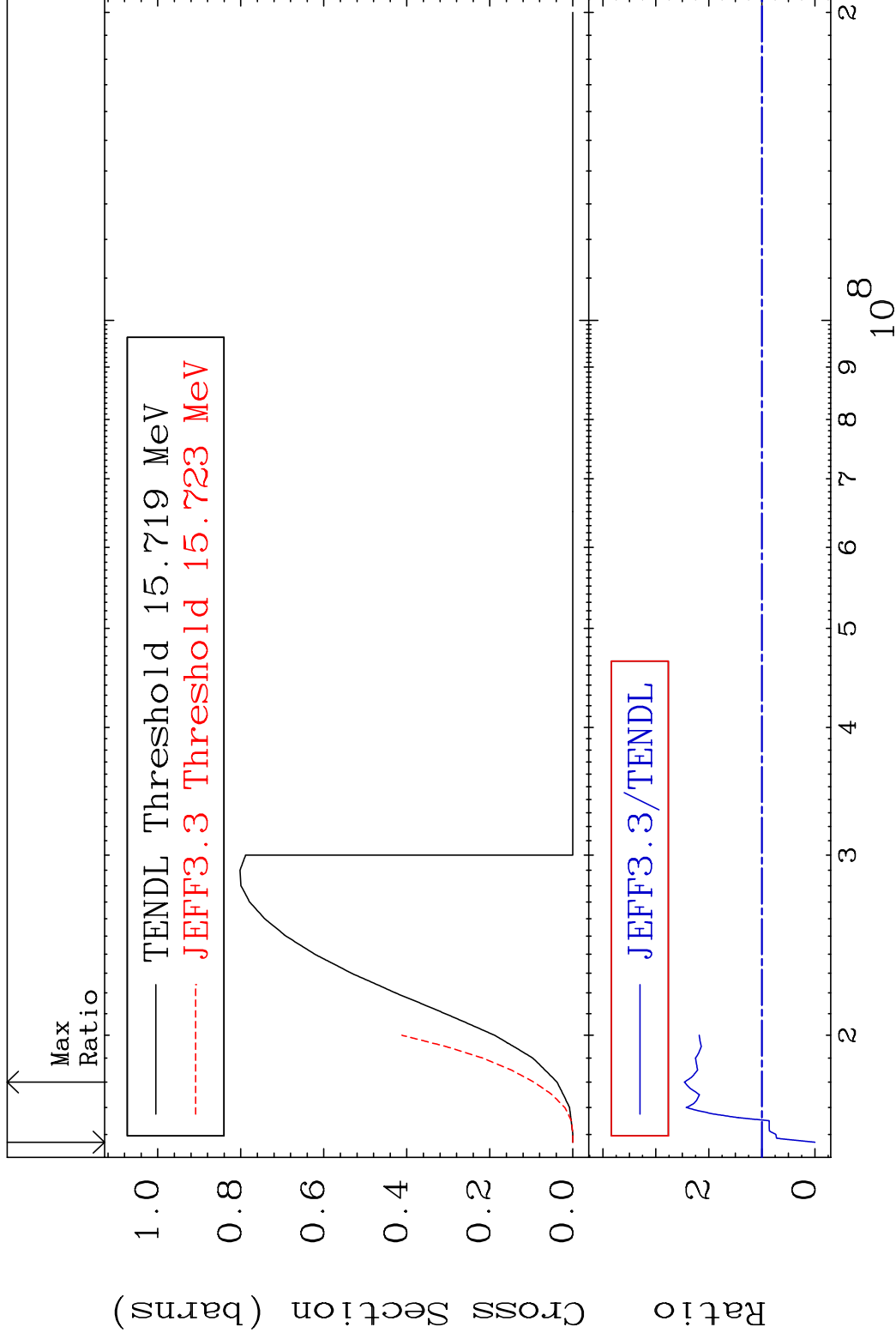
50-Sn-120

MAT 5049

(n,3n)

50-Sn-120

Cross Section -100.0 To 146.3 %

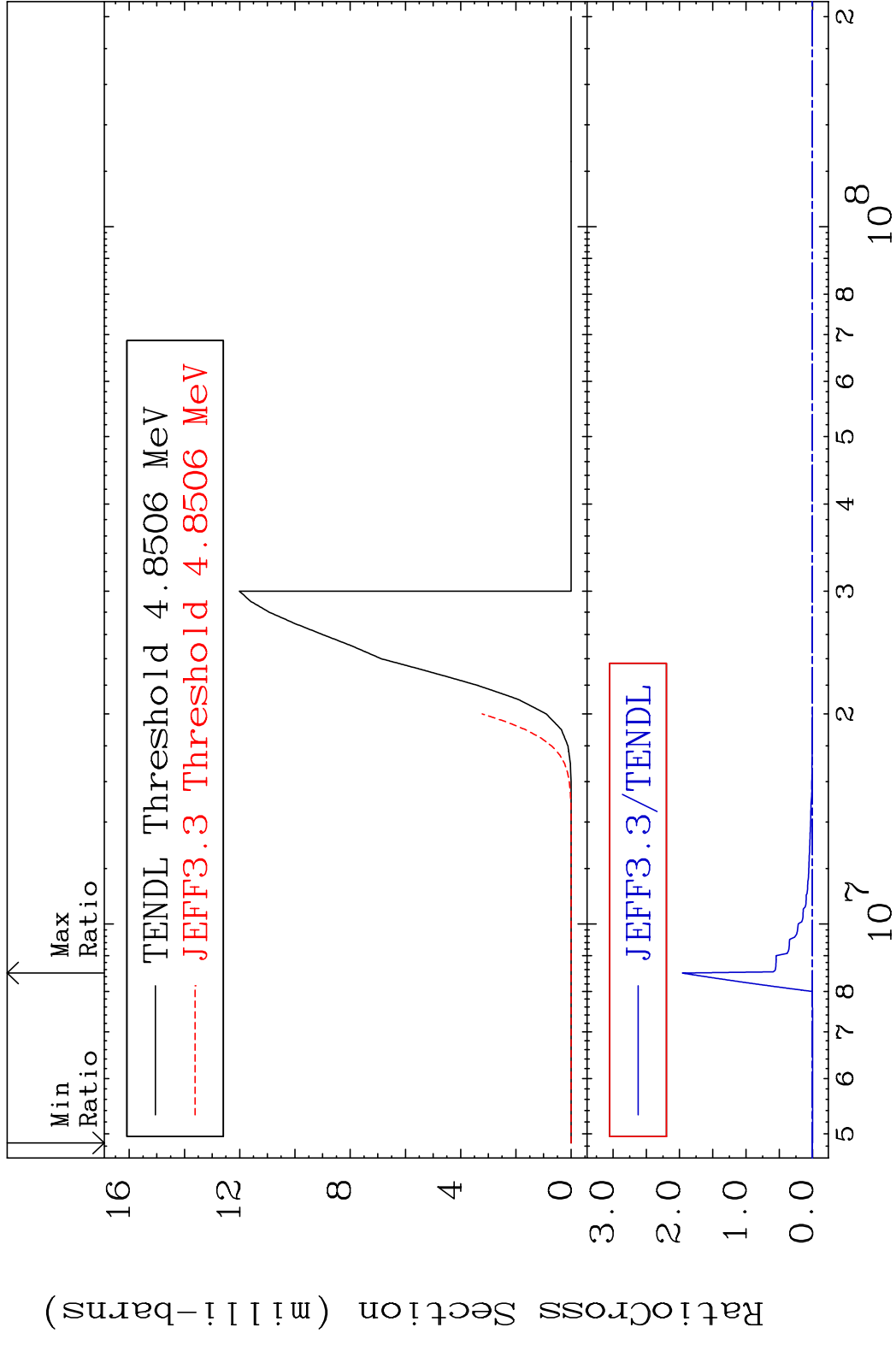


5

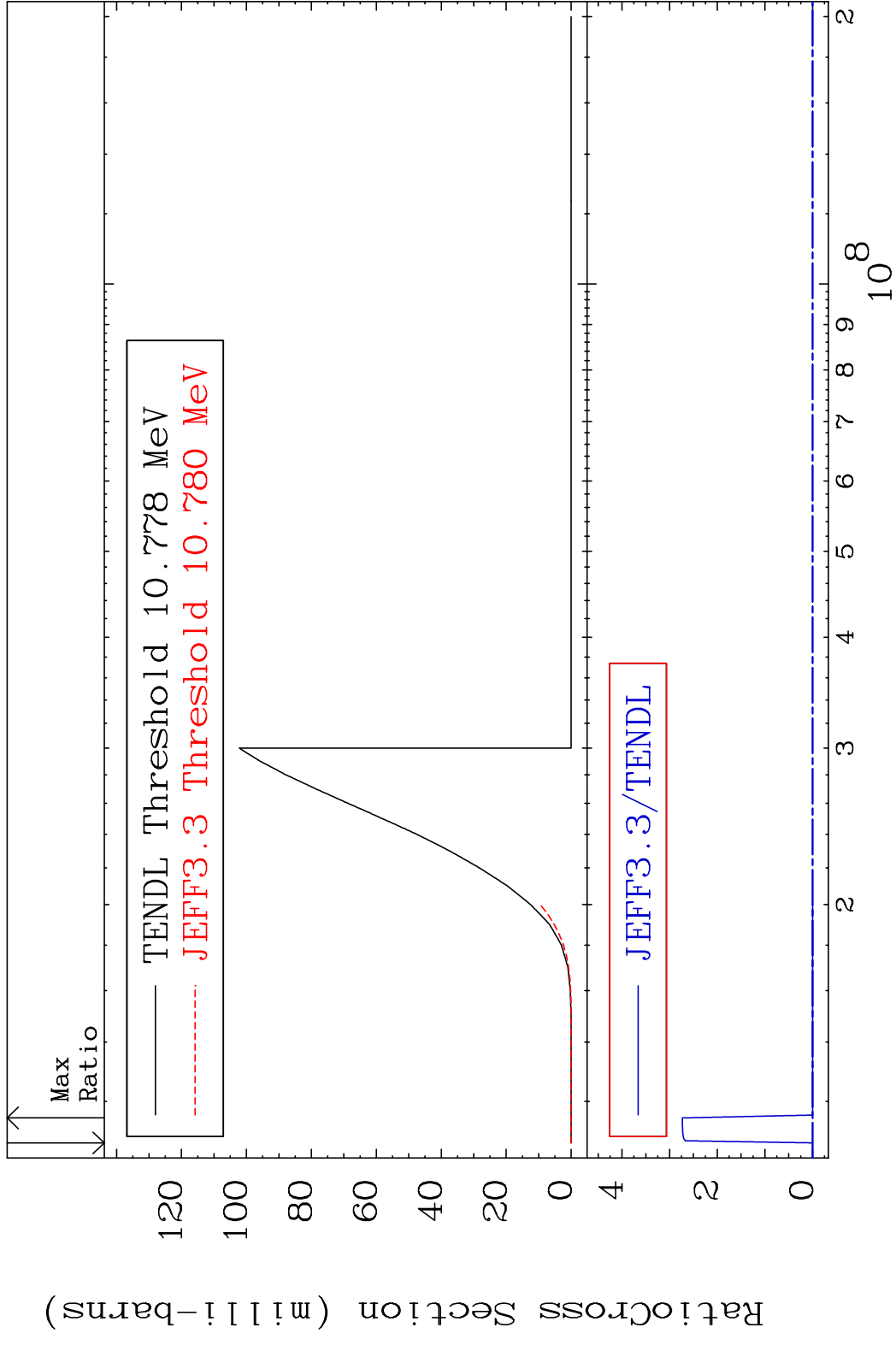
Incident Energy (eV)

50-Sn-120

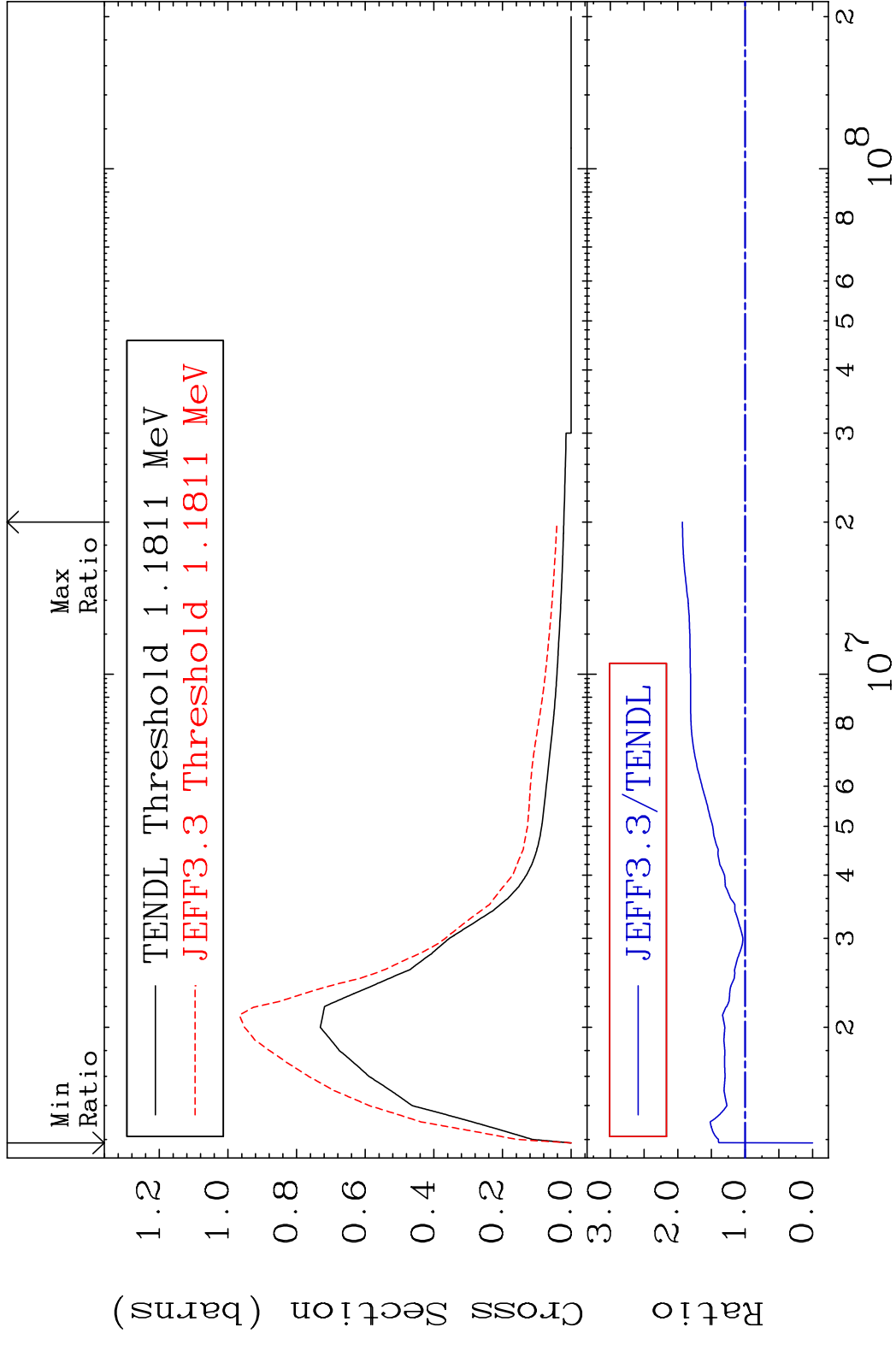
MAT 5049 (n, n') α 50-Sn-120
 Cross Section -100.0 To 9999. %



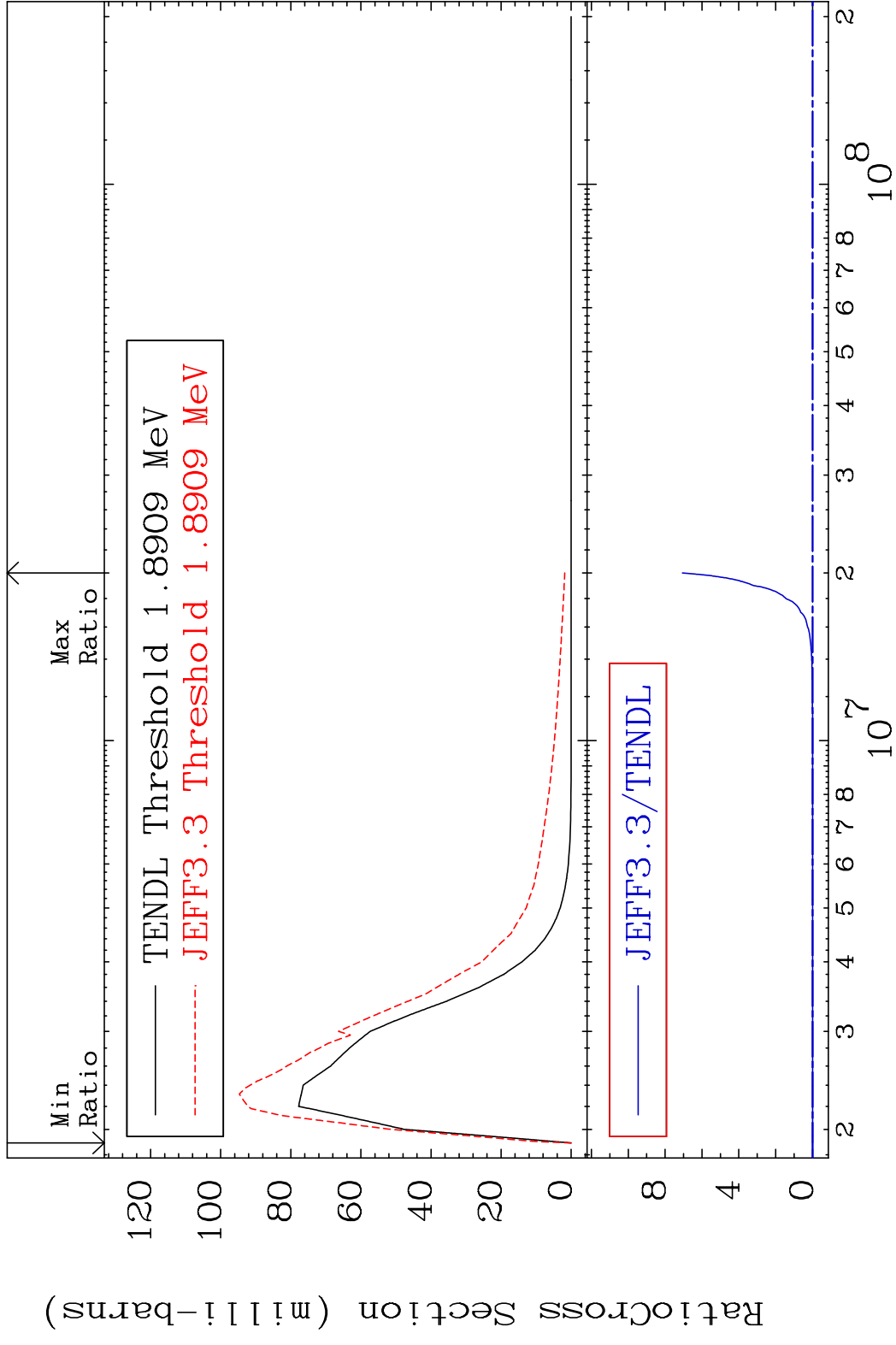
MAT 5049 (n, n') p 50-Sn-120
 Cross Section -100.0 To 9999. %



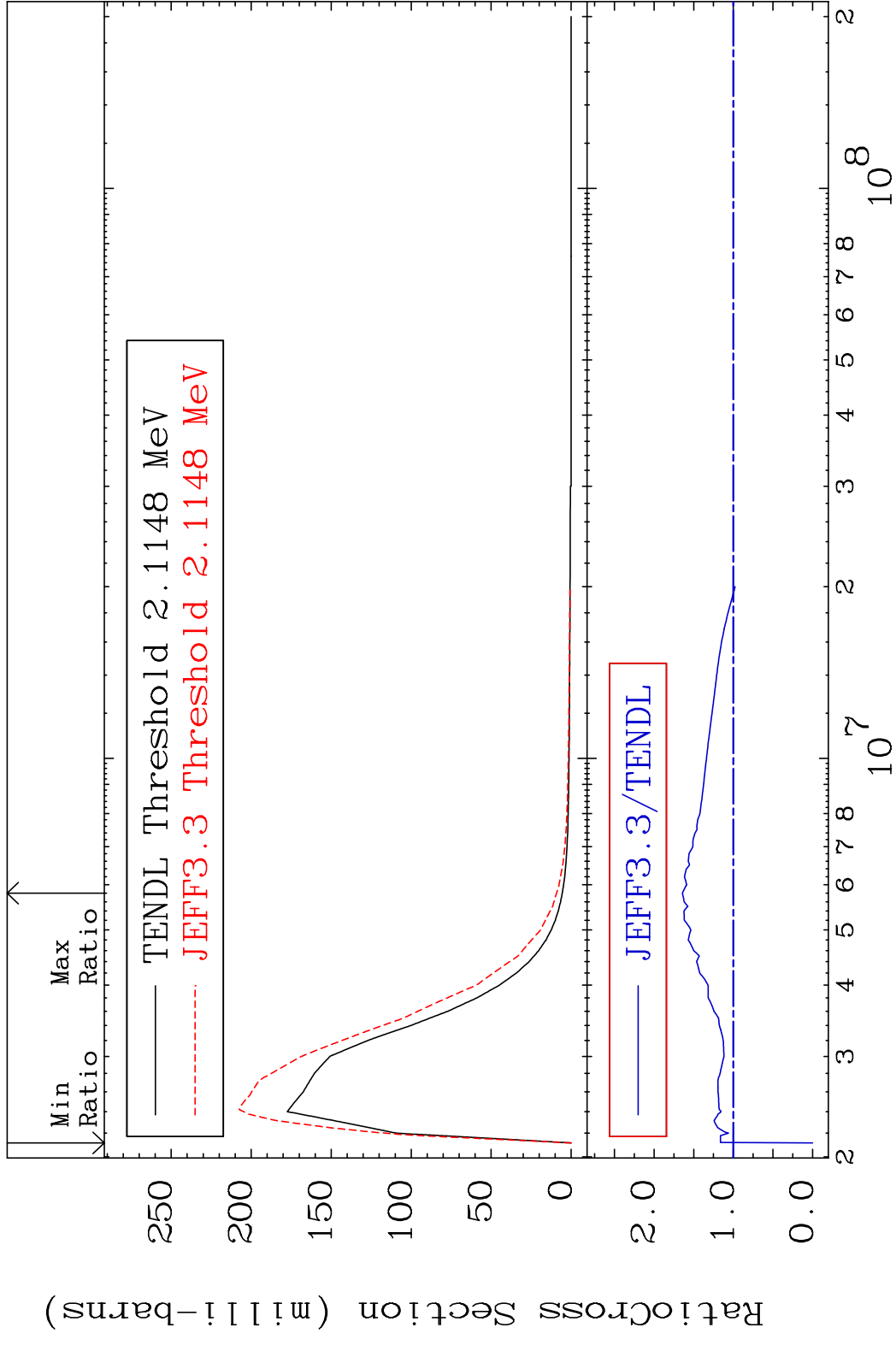
MAT 5049 MT= 51 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 93.19 %



MAT 5049 MT= 52 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %

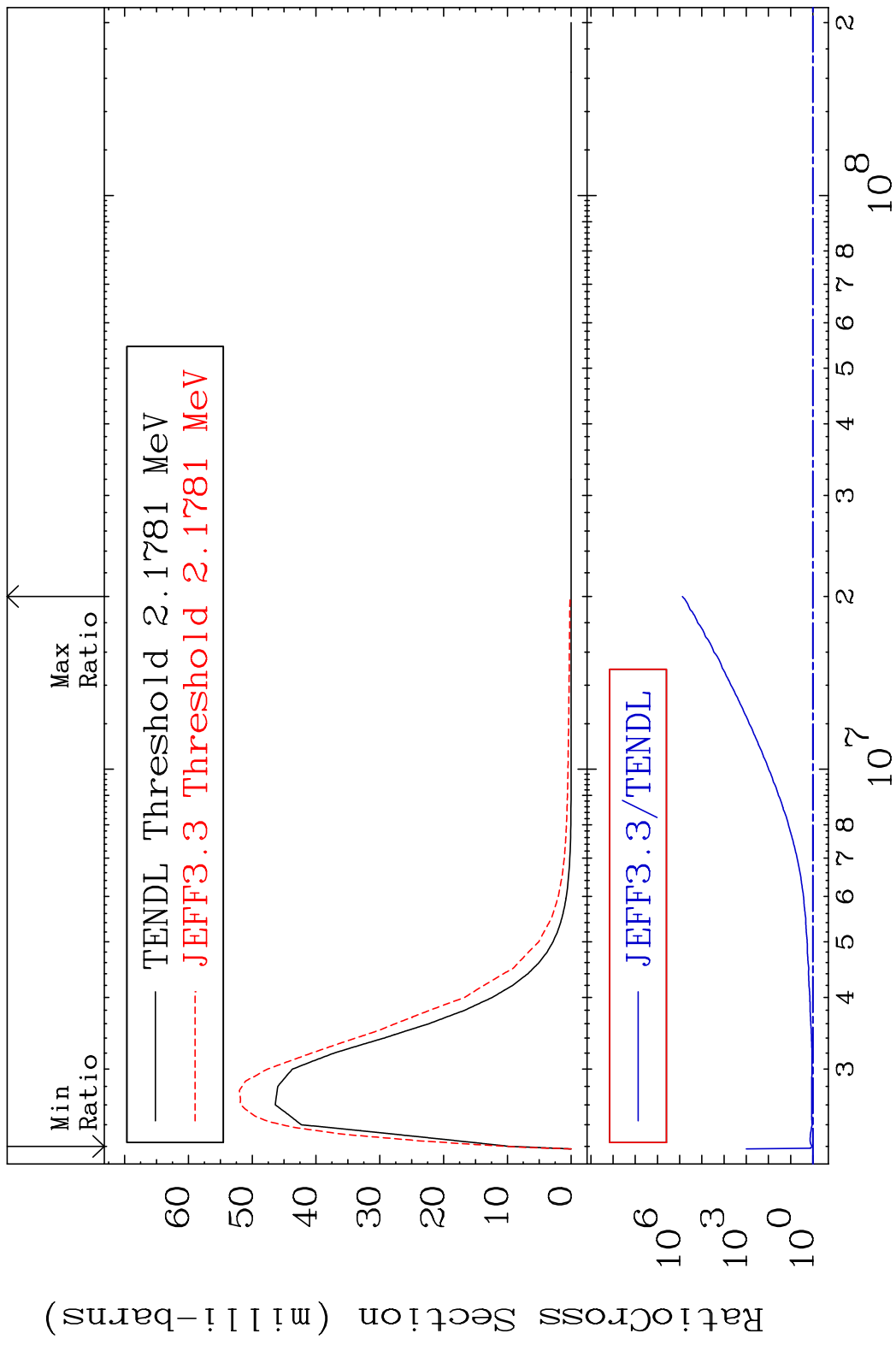


MAT 5049 MT= 53 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 64.30 %

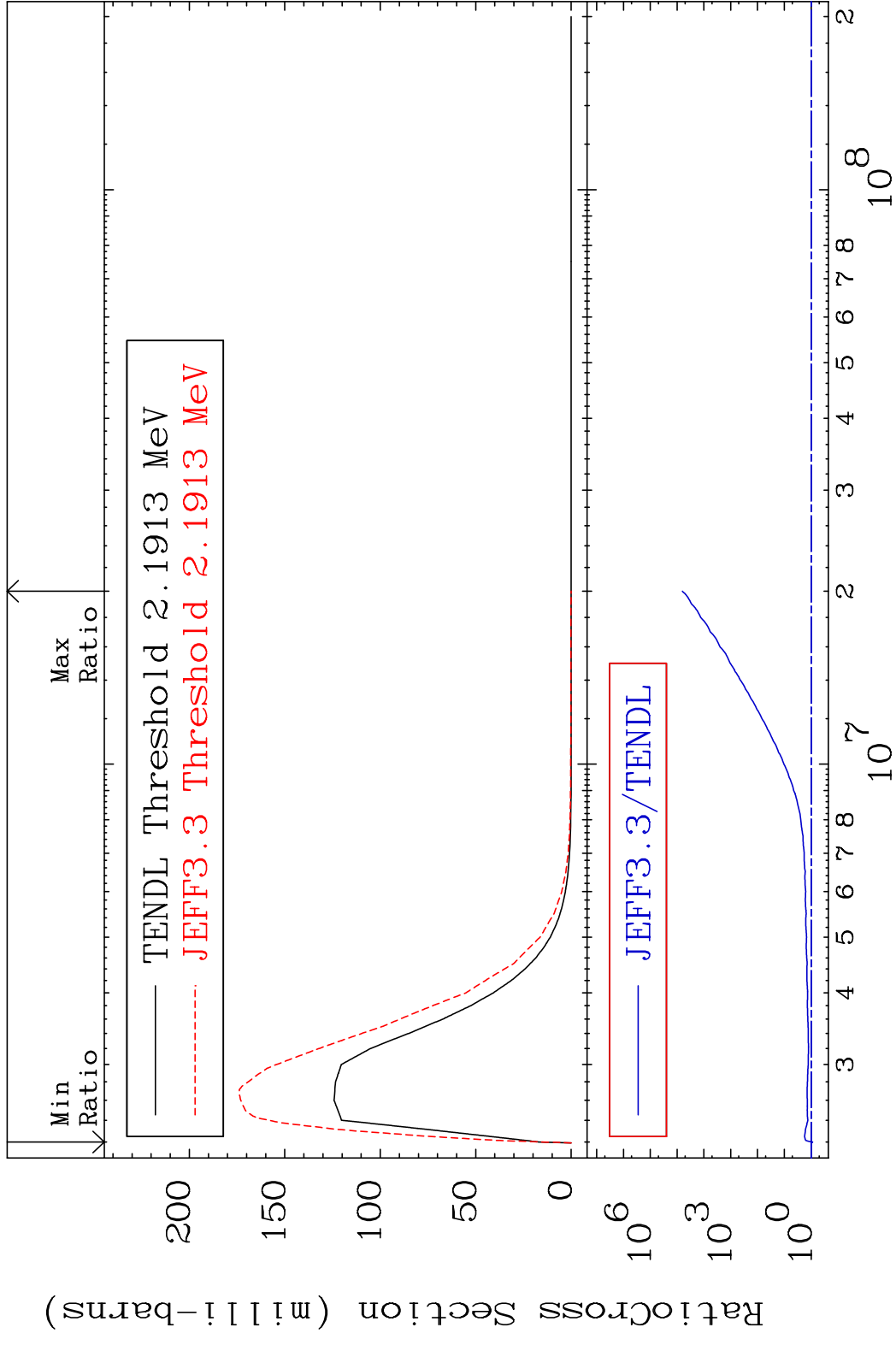


10 Incident Energy (eV) 50-Sn-120

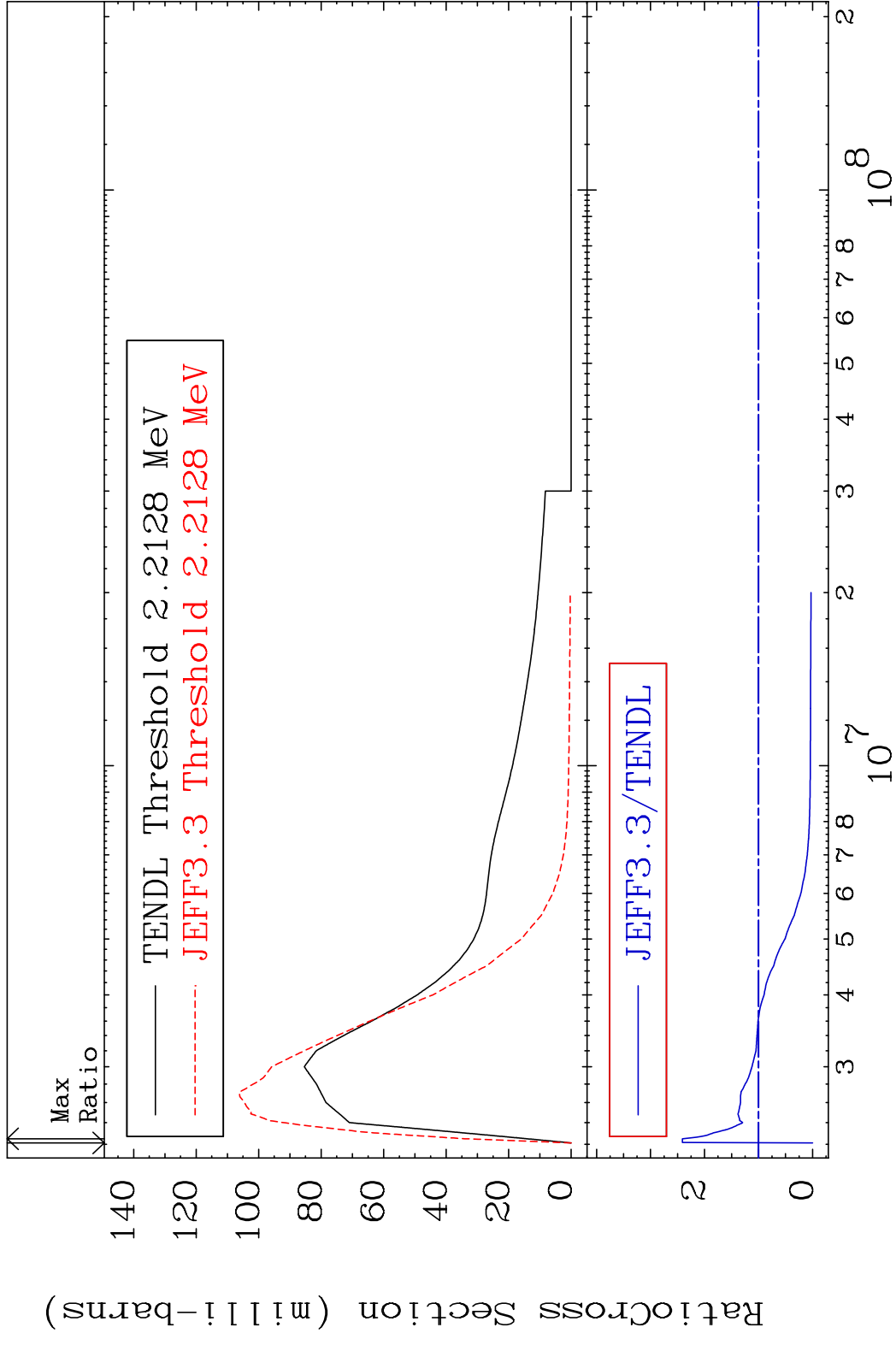
MAT 5049 MT= 54 (n, n') Level 50-Sn-120
 Cross Section 2.811 To 9999. %



MAT 5049 MT= 55 (n, n') Level 50-Sn-120
 Cross Section -11.48 To 9999. %

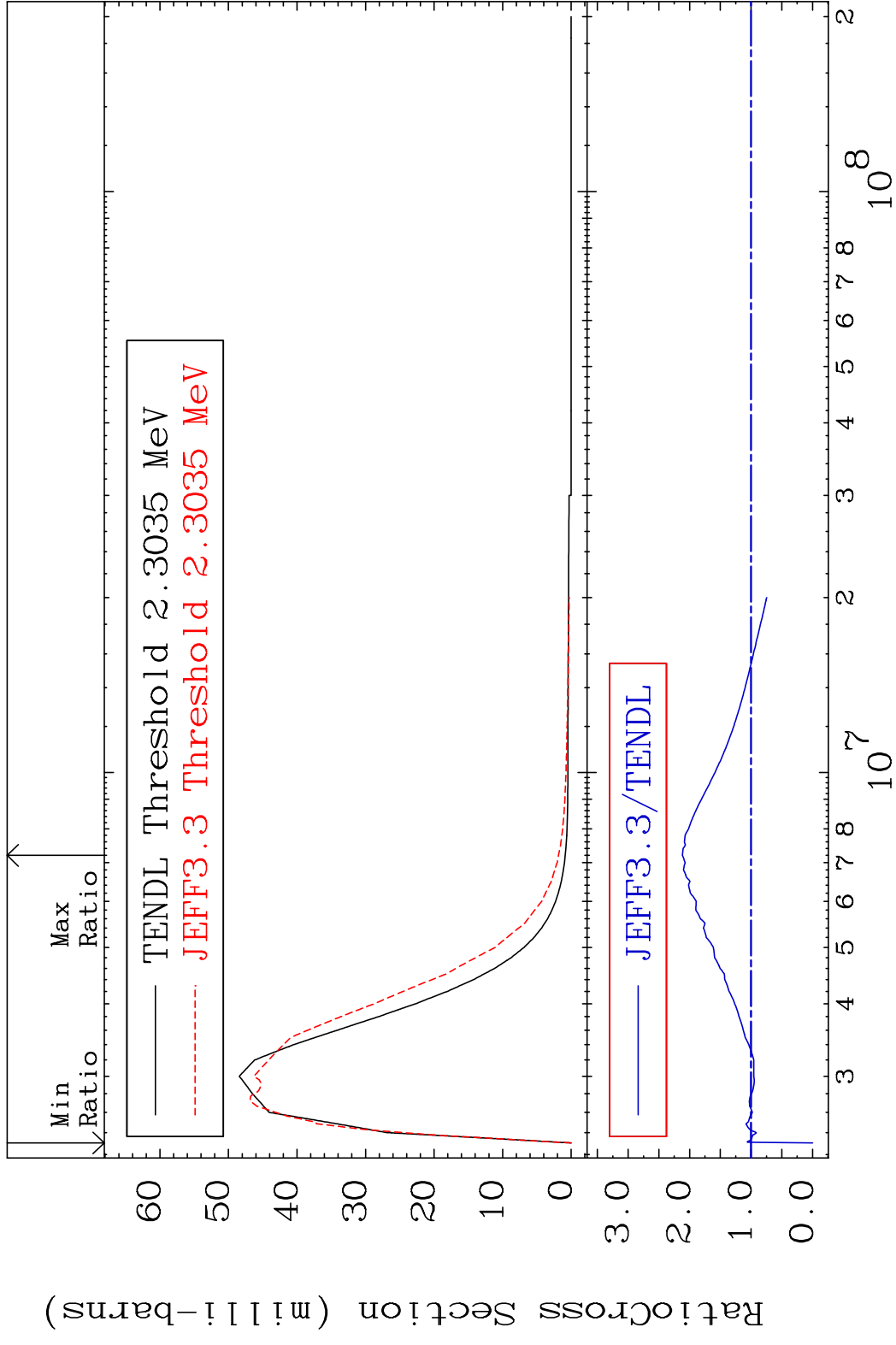


MAT 5049 MT= 56 (n,n') Level 50-Sn-120
 Cross Section -100.0 To 141.1 %

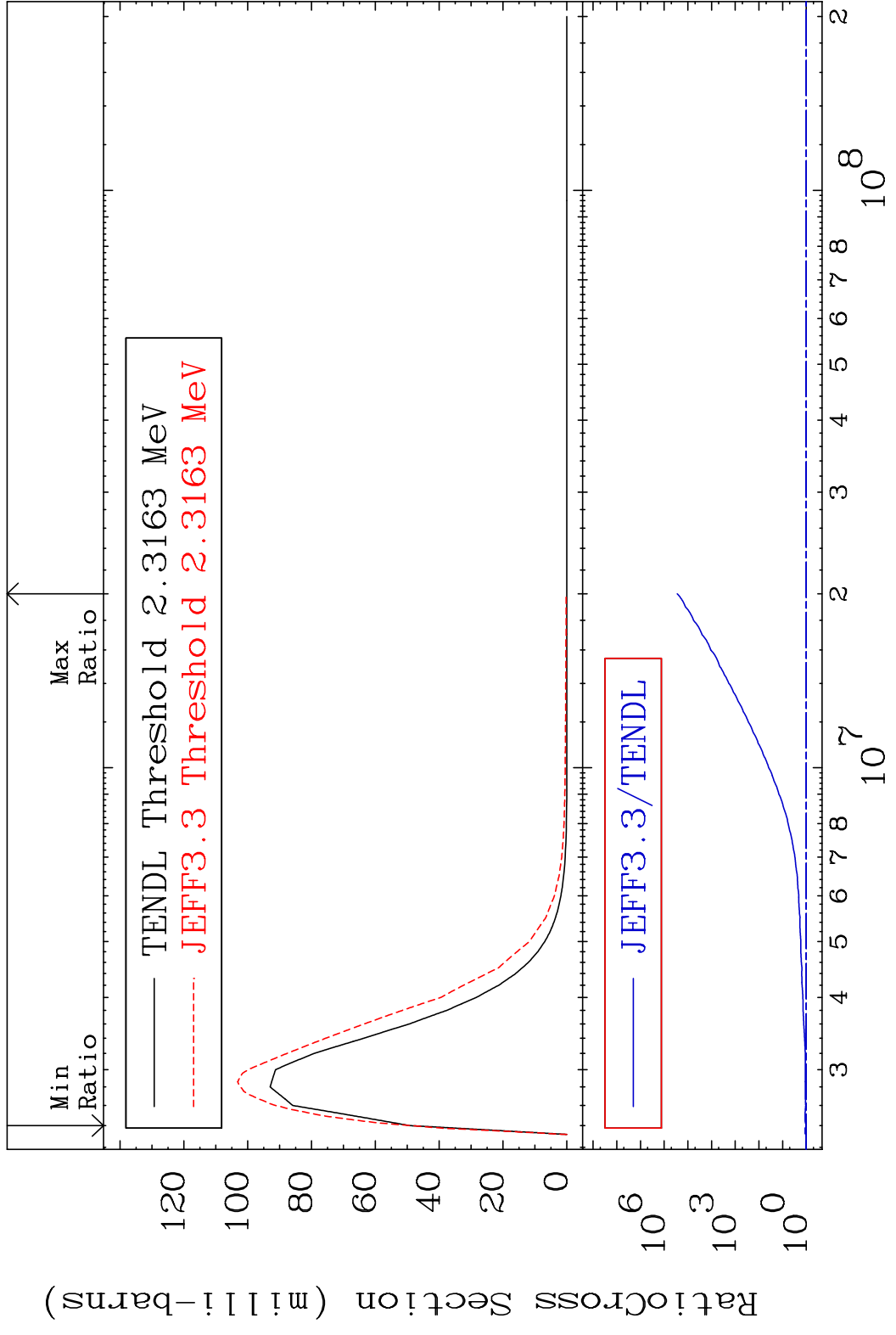


13 Incident Energy (eV) 50-Sn-120

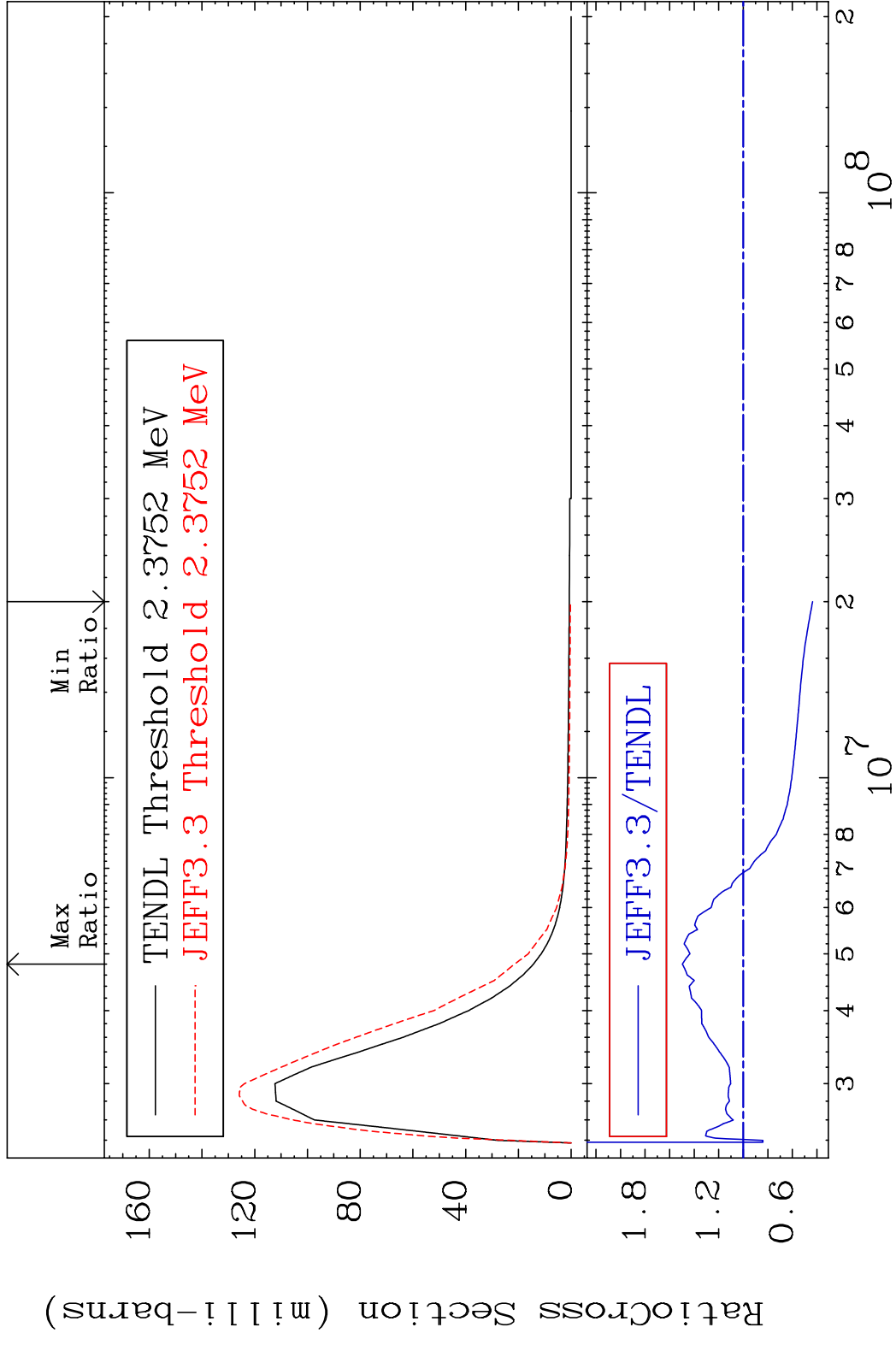
MAT 5049 MT= 57 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 111.8 %



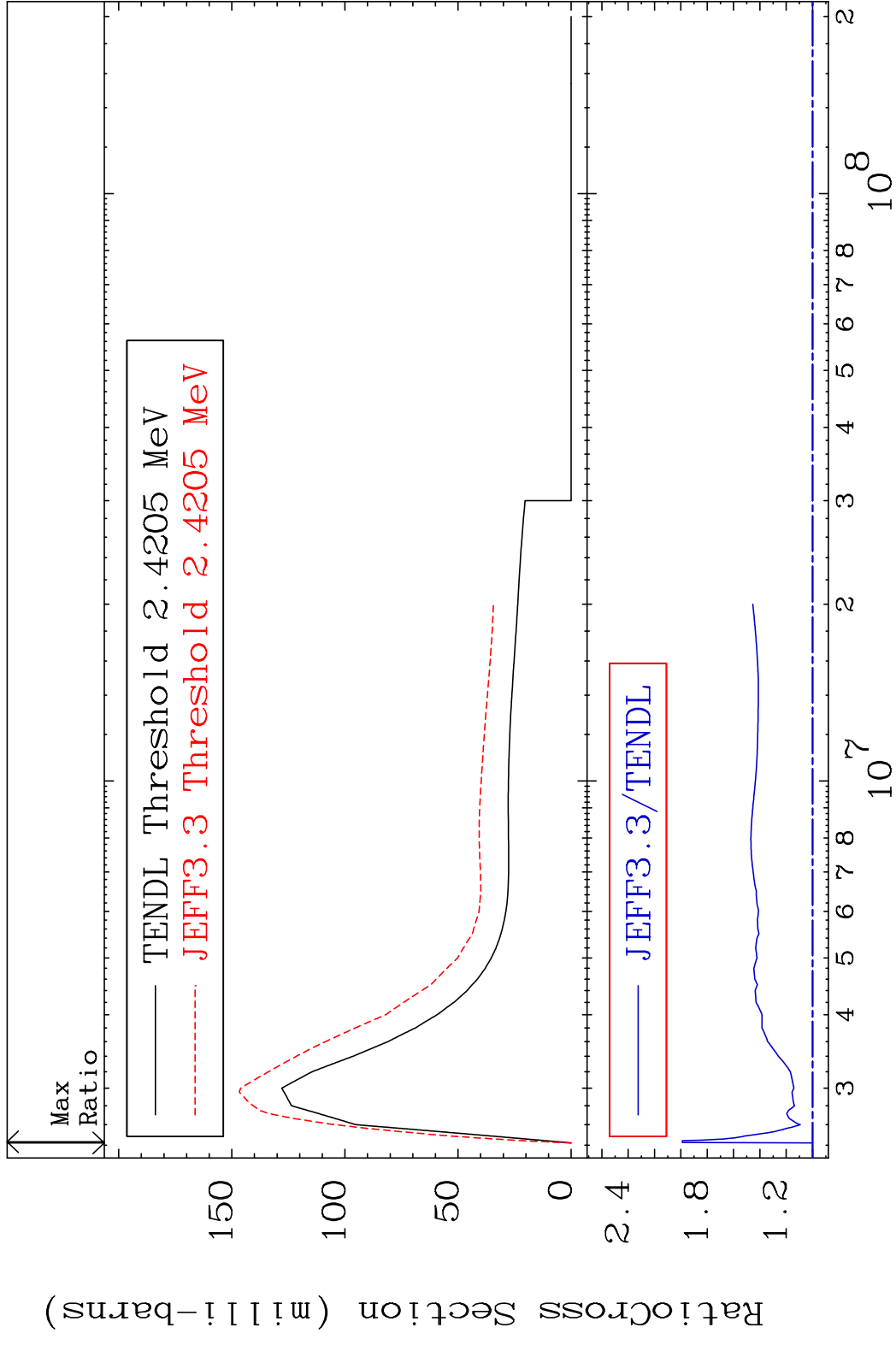
MAT 5049 MT= 58 (n, n') Level 50-Sn-120
 Cross Section -0.709 To 9999. %



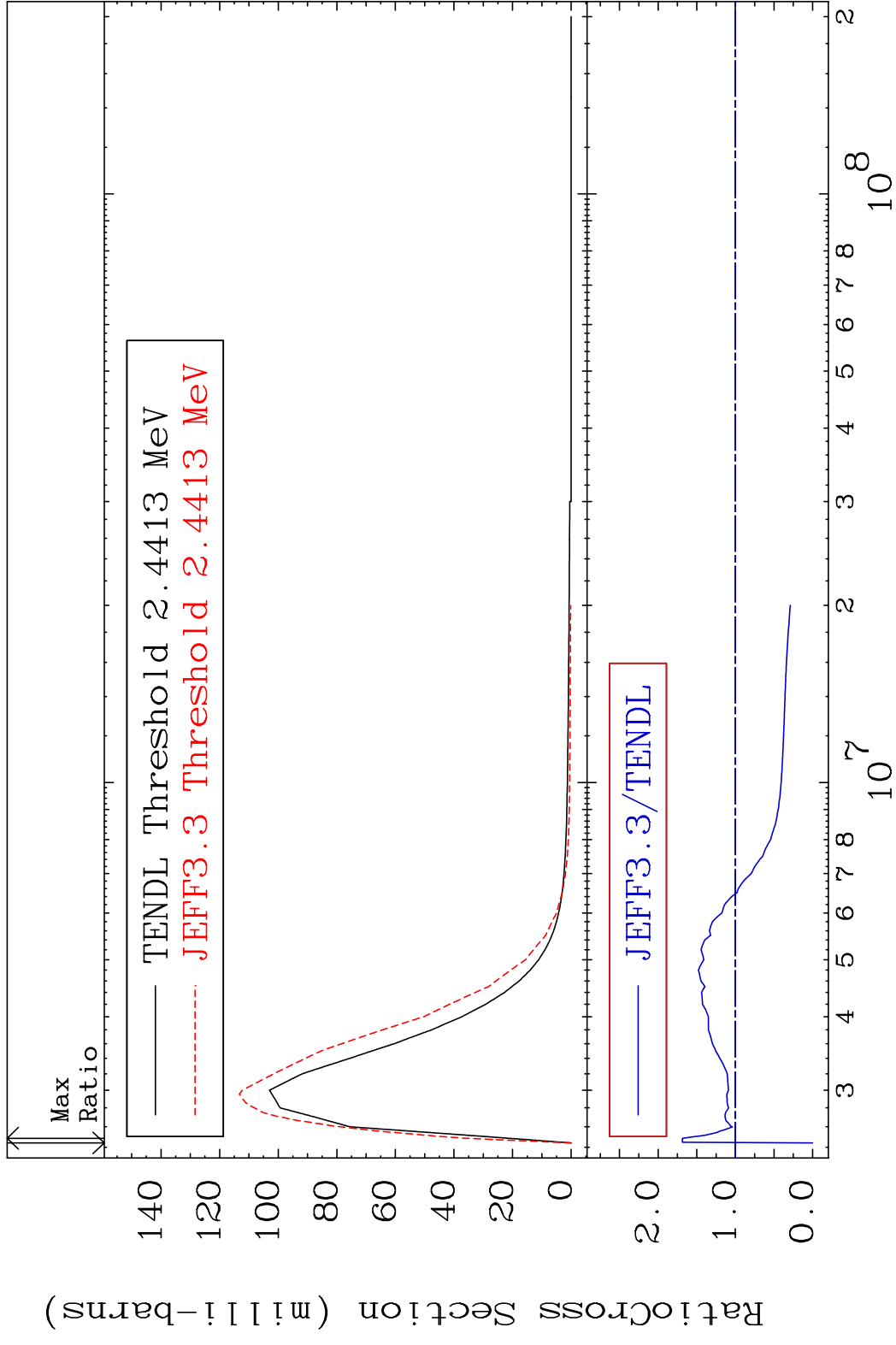
MAT 5049 MT= 59 (n,n') Level 50-Sn-120
 Cross Section -56.40 To 49.64 %



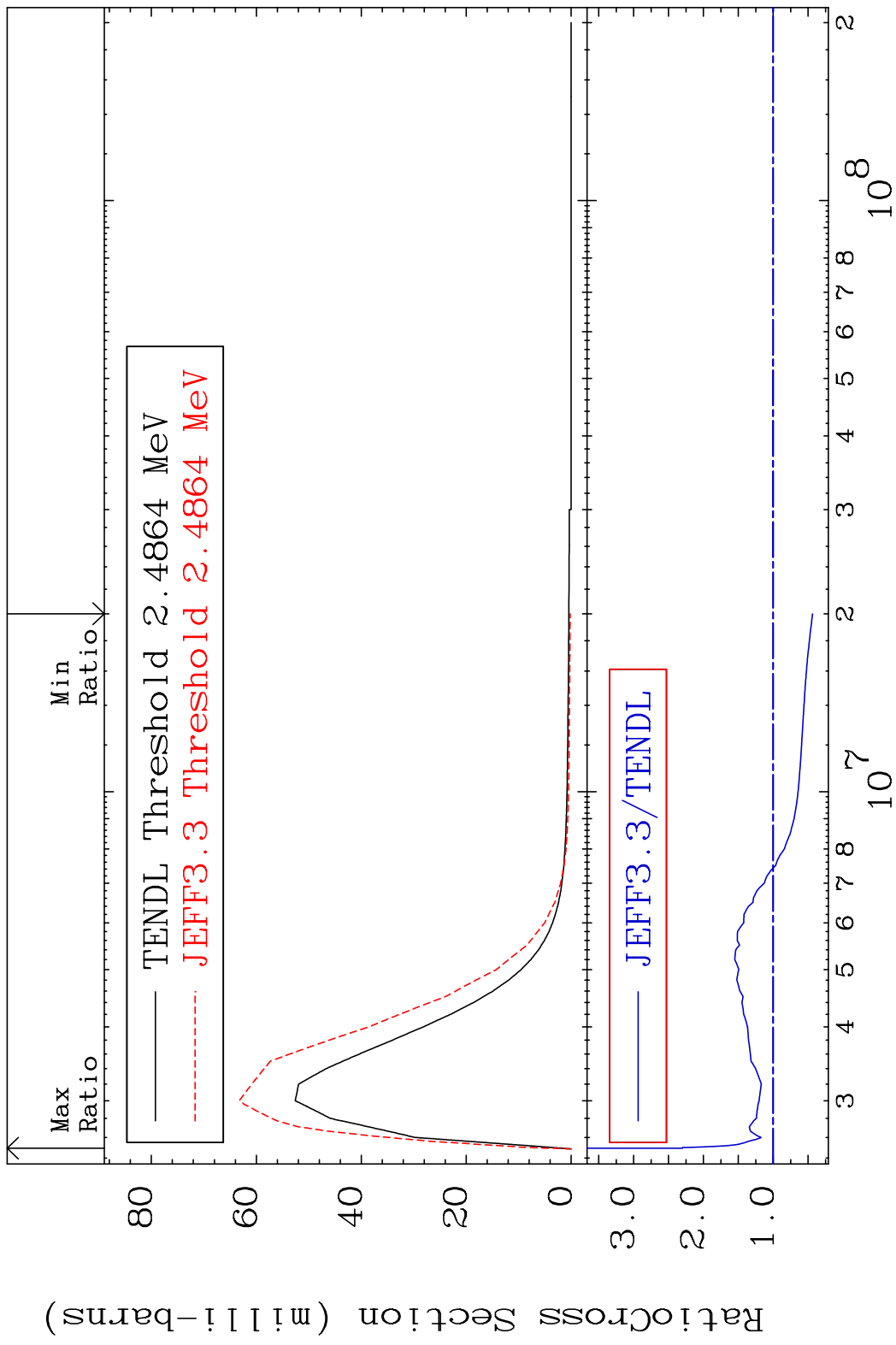
MAT 5049 MT= 60 (n,n') Level 50-Sn-120
 Cross Section 0.000 To 98.88 %



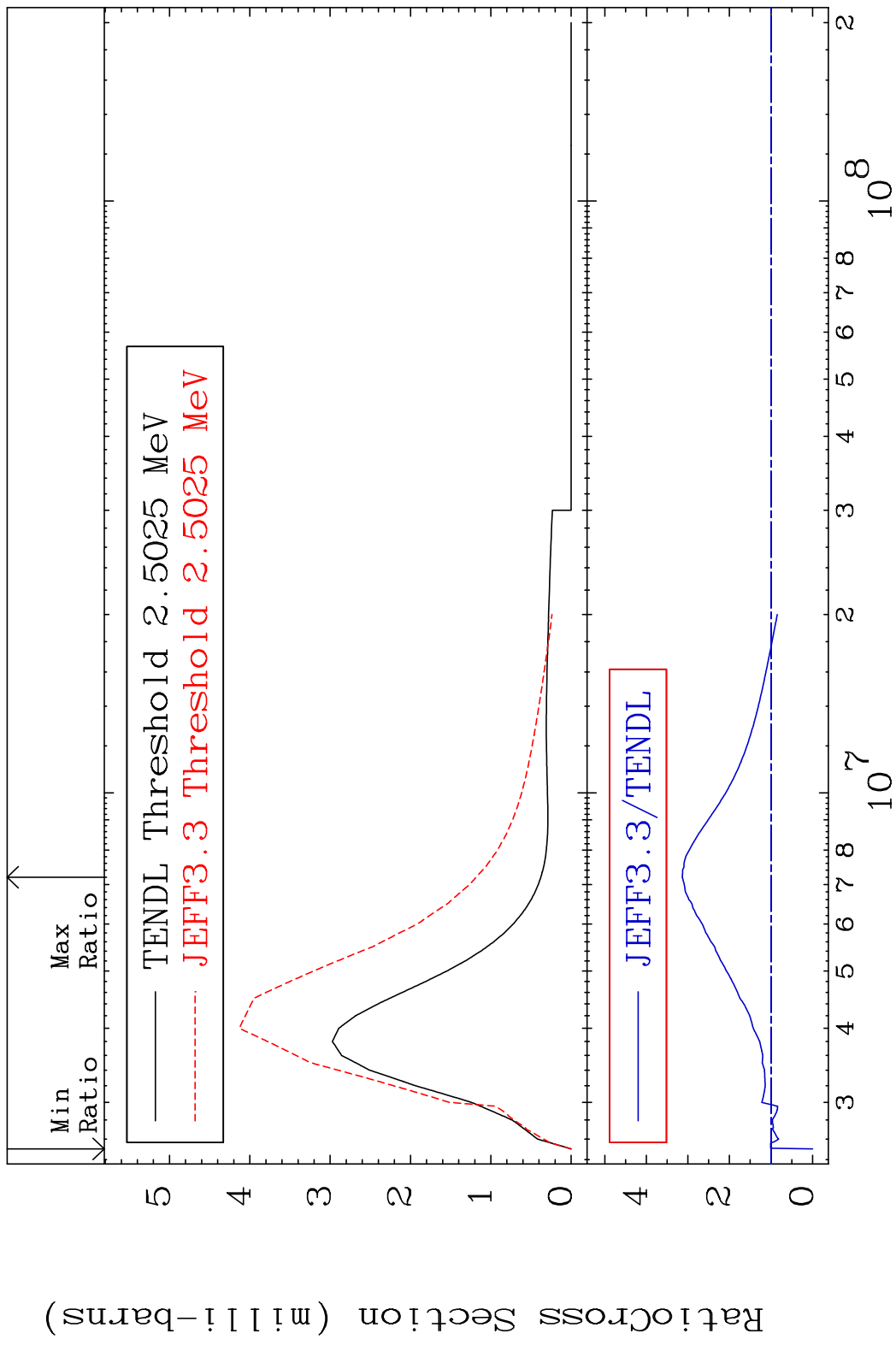
MAT 5049 MT= 61 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 68.66 %



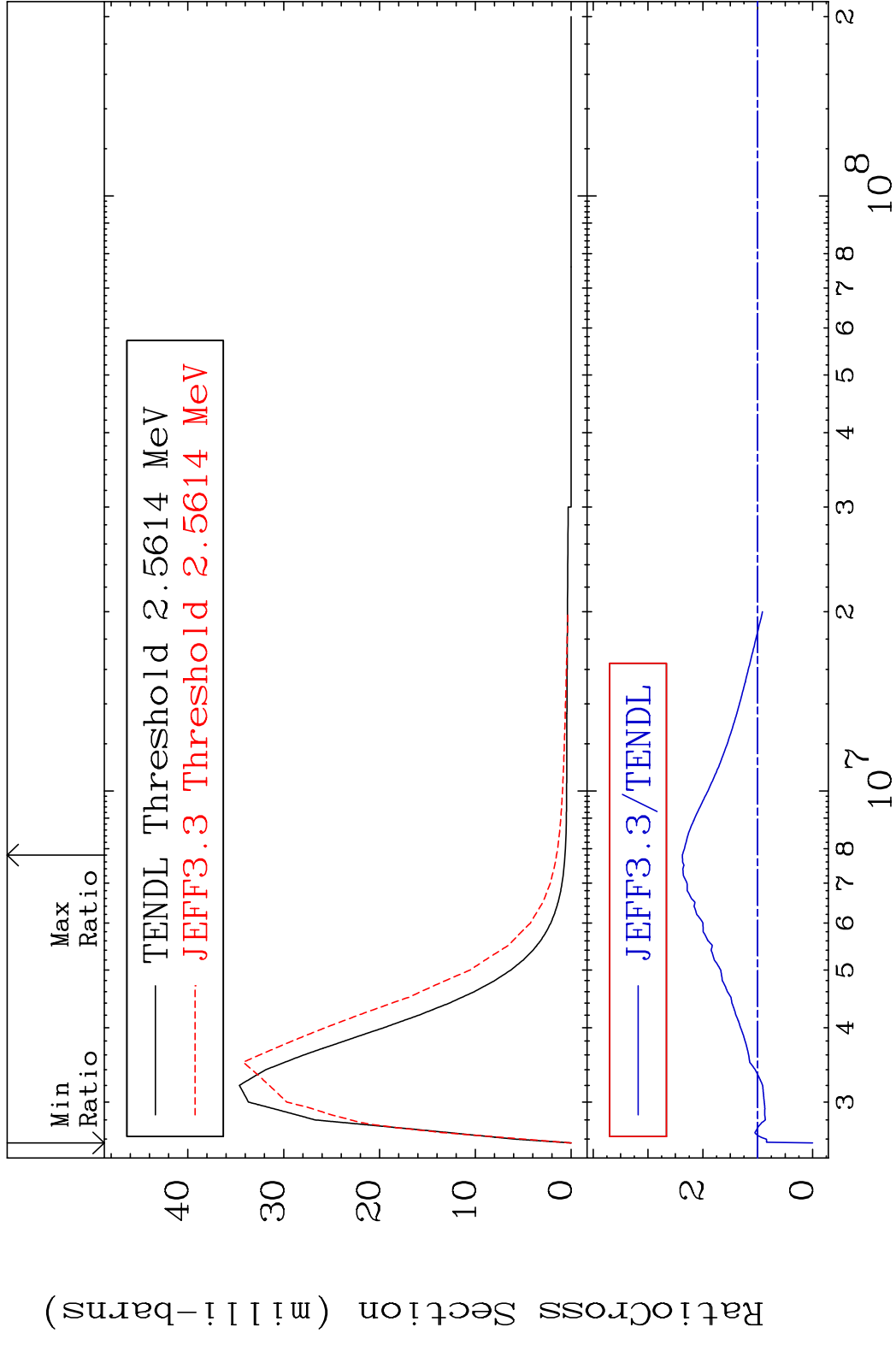
MAT 5049 MT= 62 (n, n') Level 50-Sn-120
 Cross Section -56.34 To 130.2 %



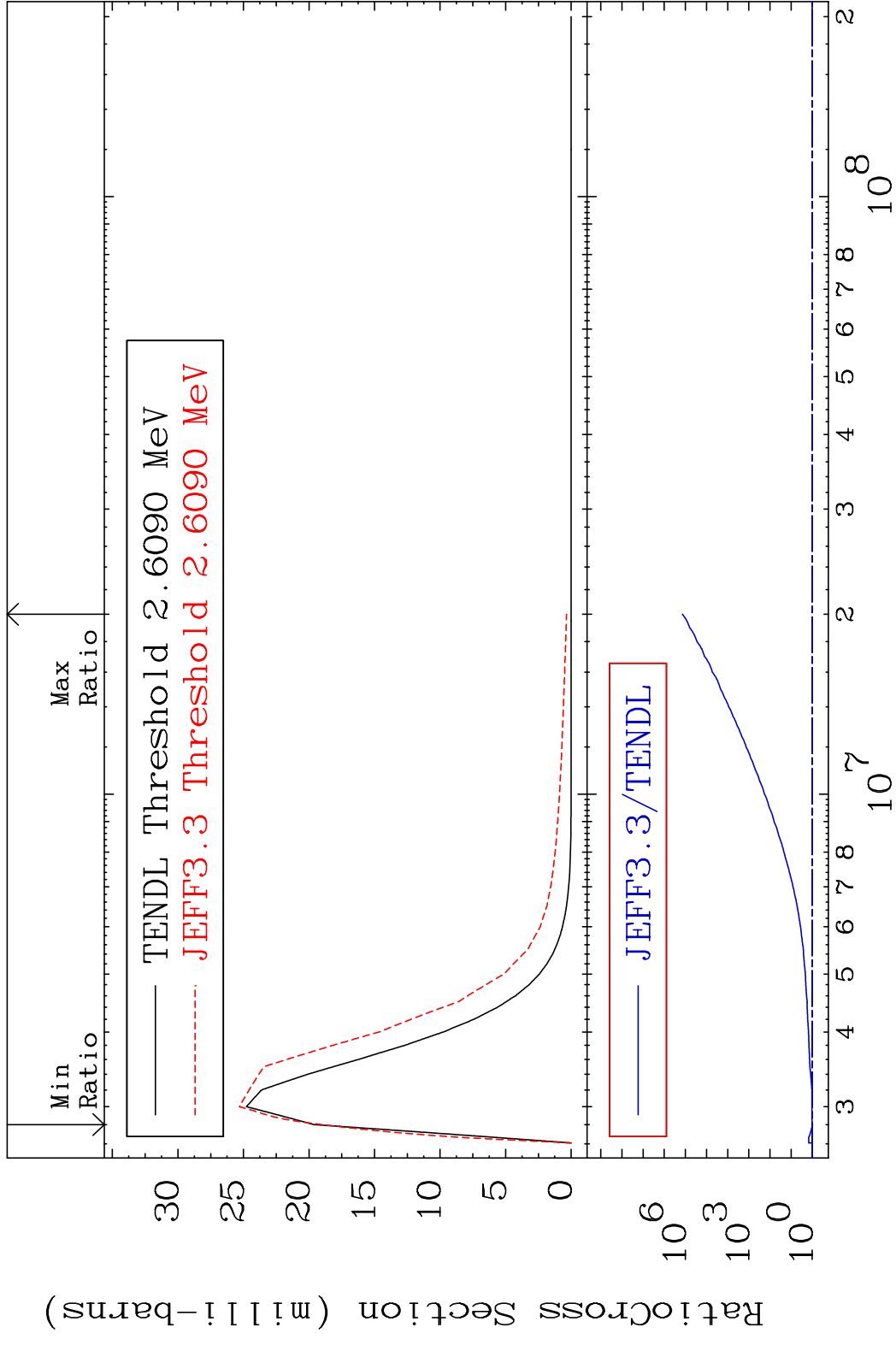
MAT 5049 MT= 63 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 213.4 %



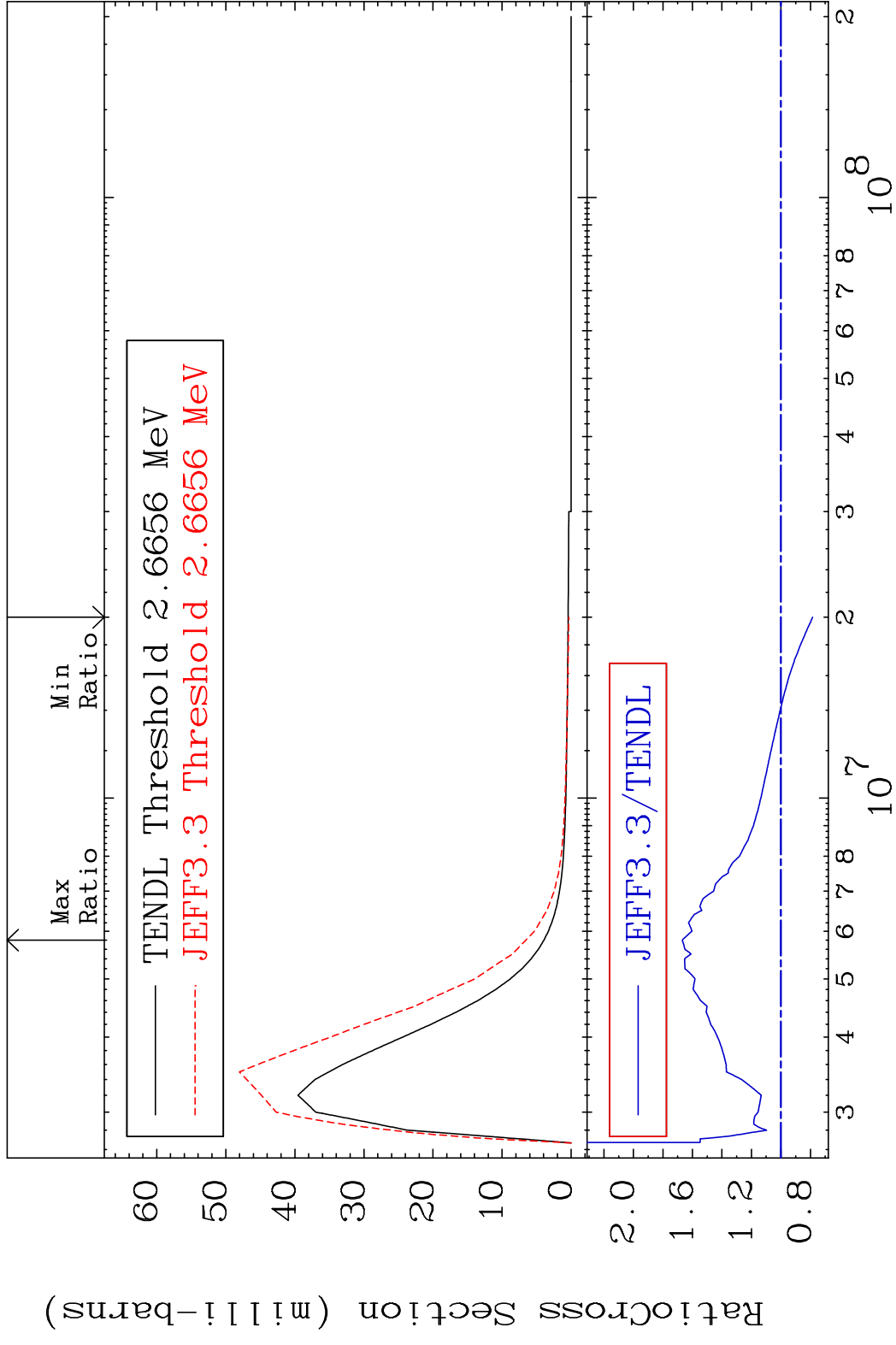
MAT 5049 MT= 64 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 137.3 %



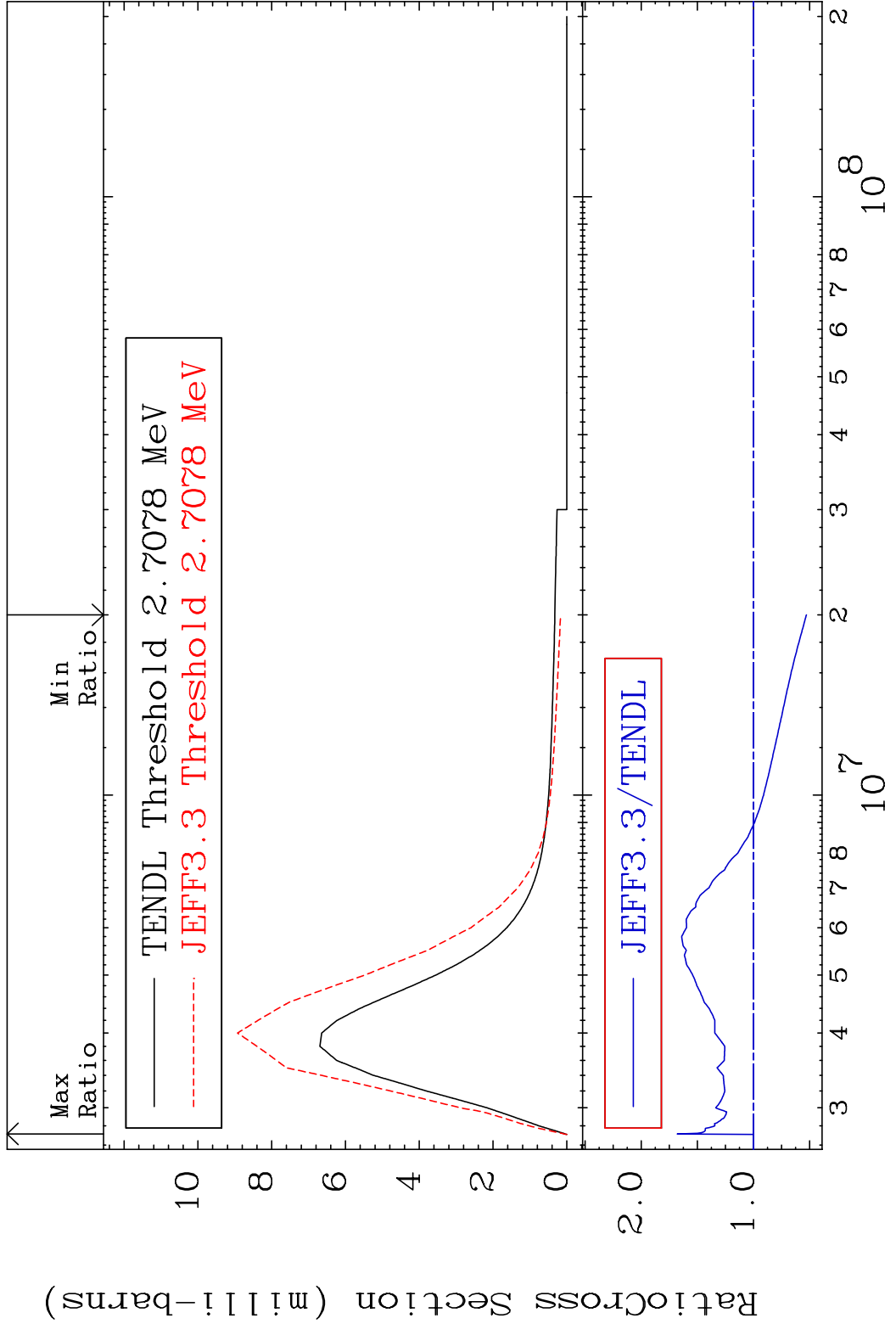
MAT 5049 MT= 65 (n,n') Level 50-Sn-120
 Cross Section -3.417 To 9999. %



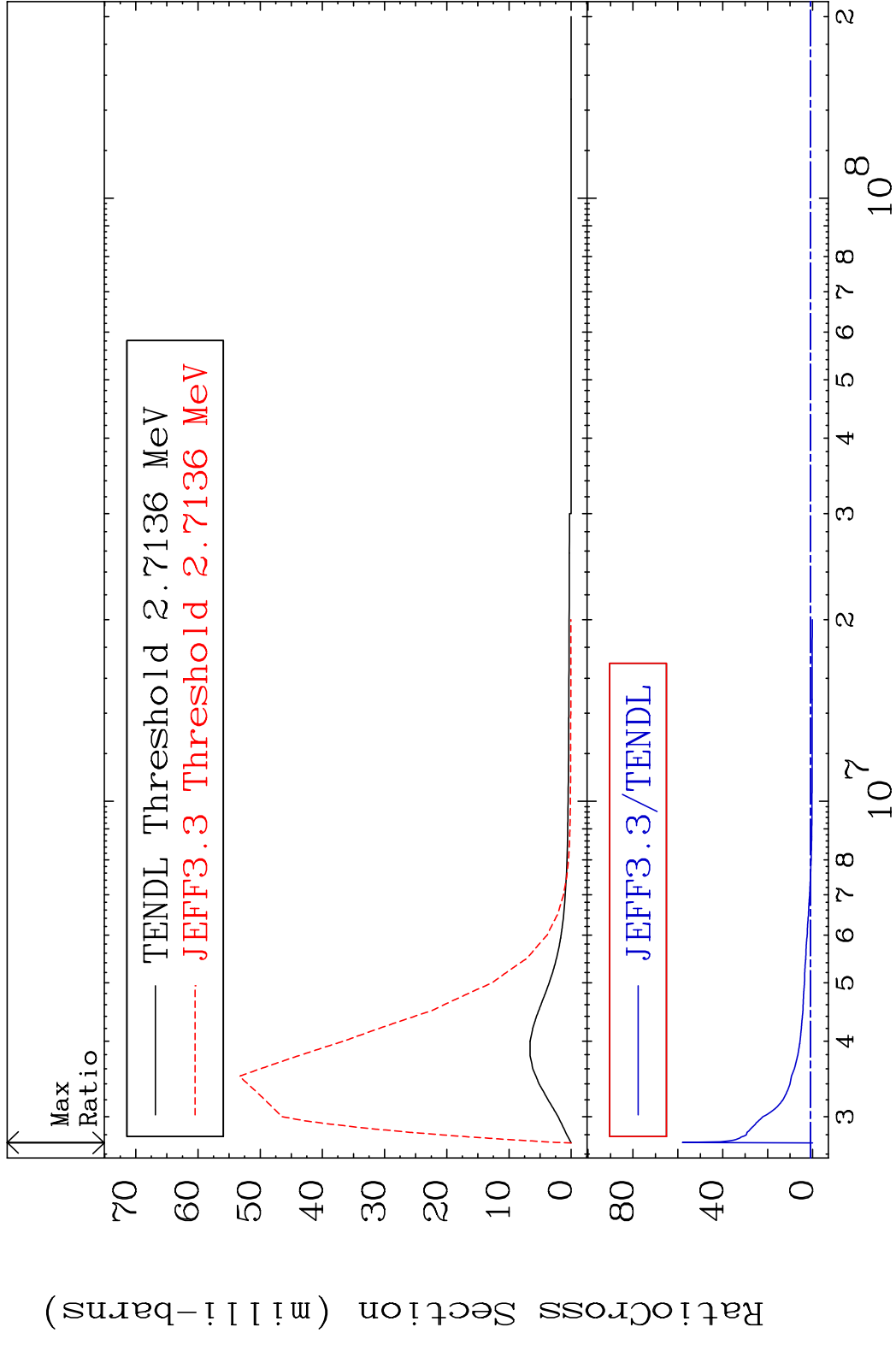
MAT 5049 MT= 66 (n, n') Level 50-Sn-120
 Cross Section -21.43 To 66.84 %



MAT 5049 MT= 67 (n, n') Level 50-Sn-120
 Cross Section -47.12 To 67.93 %

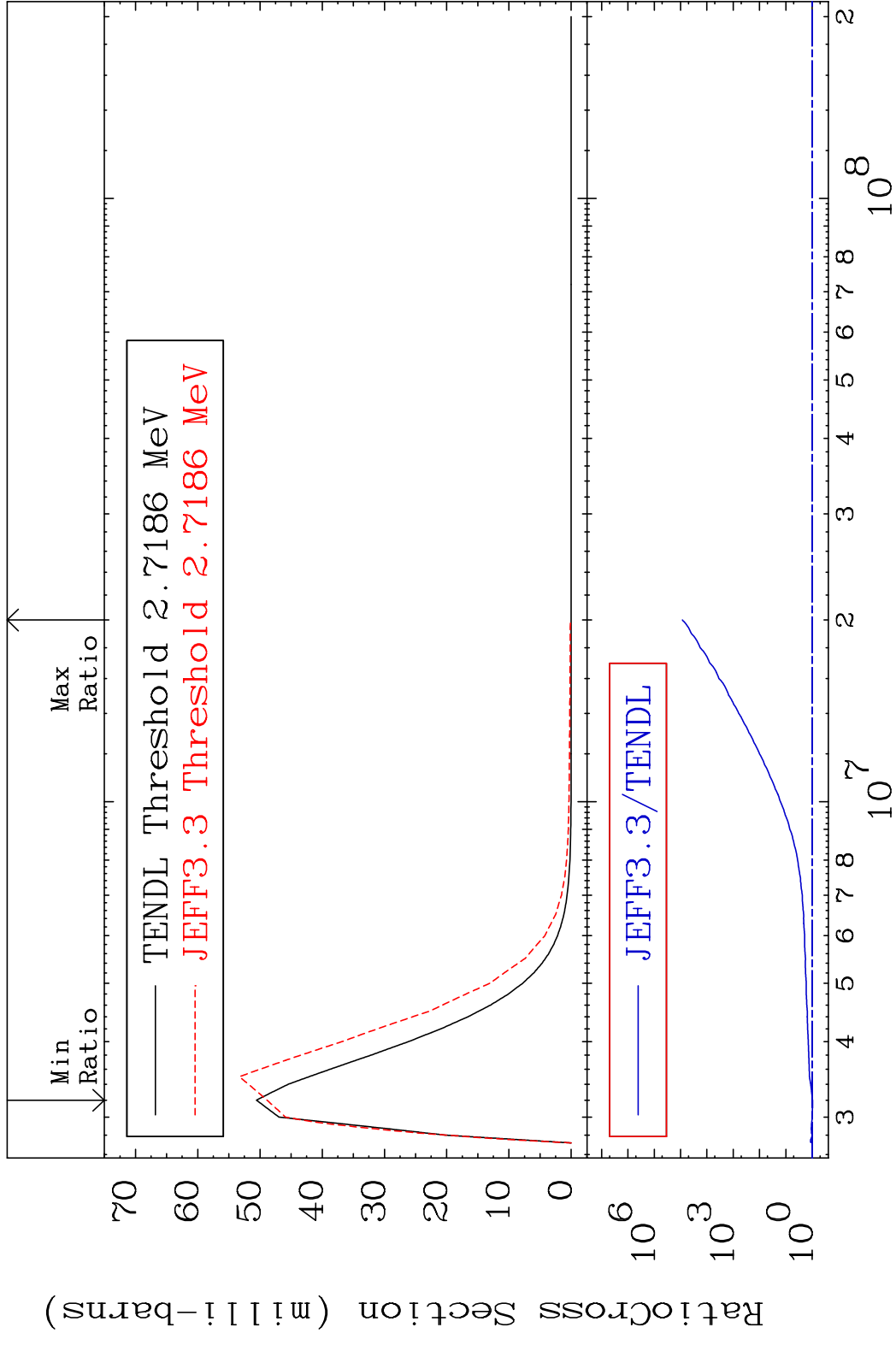


MAT 5049 MT= 68 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 5700. %

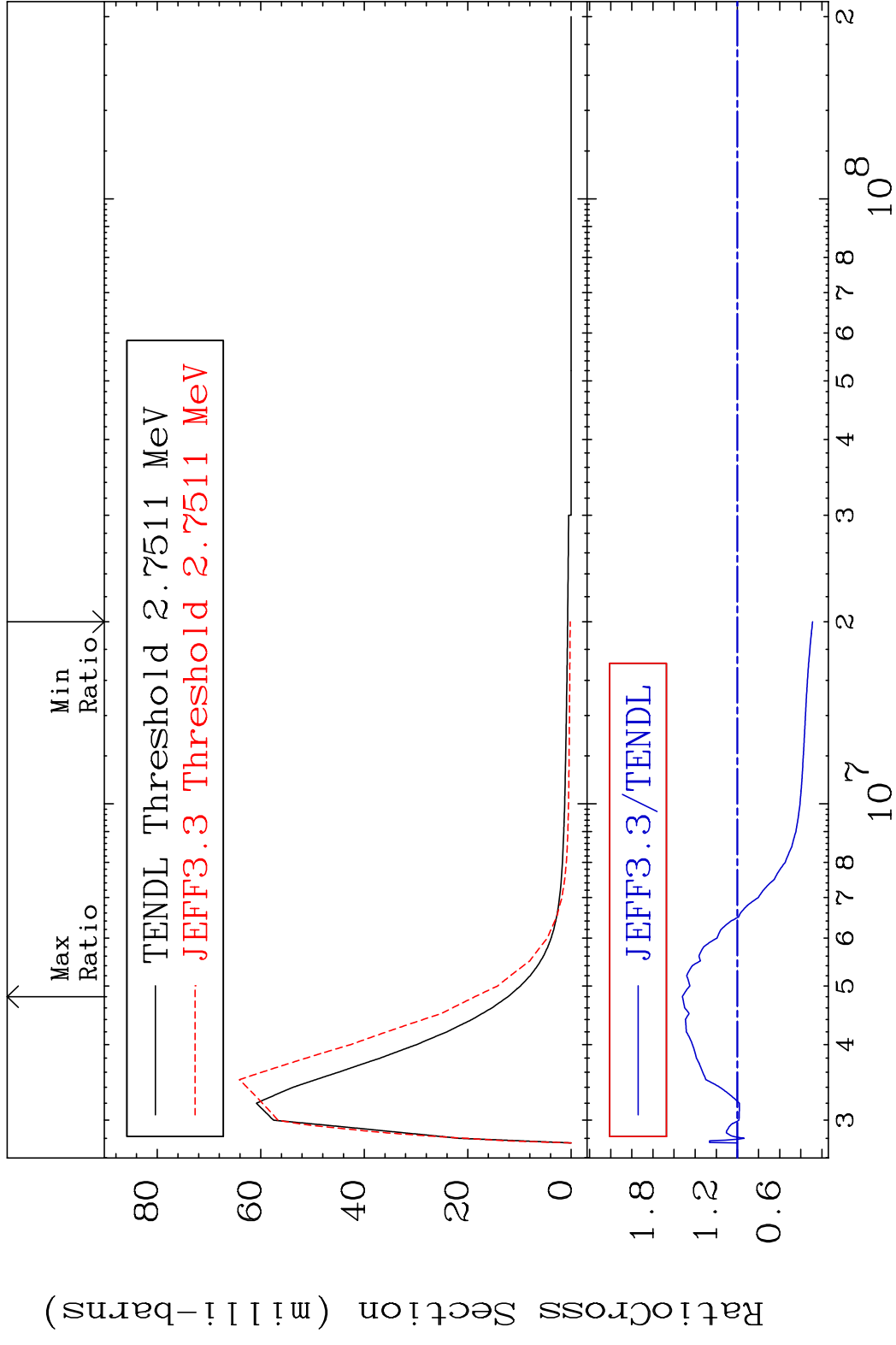


25 Incident Energy (eV) 50-Sn-120

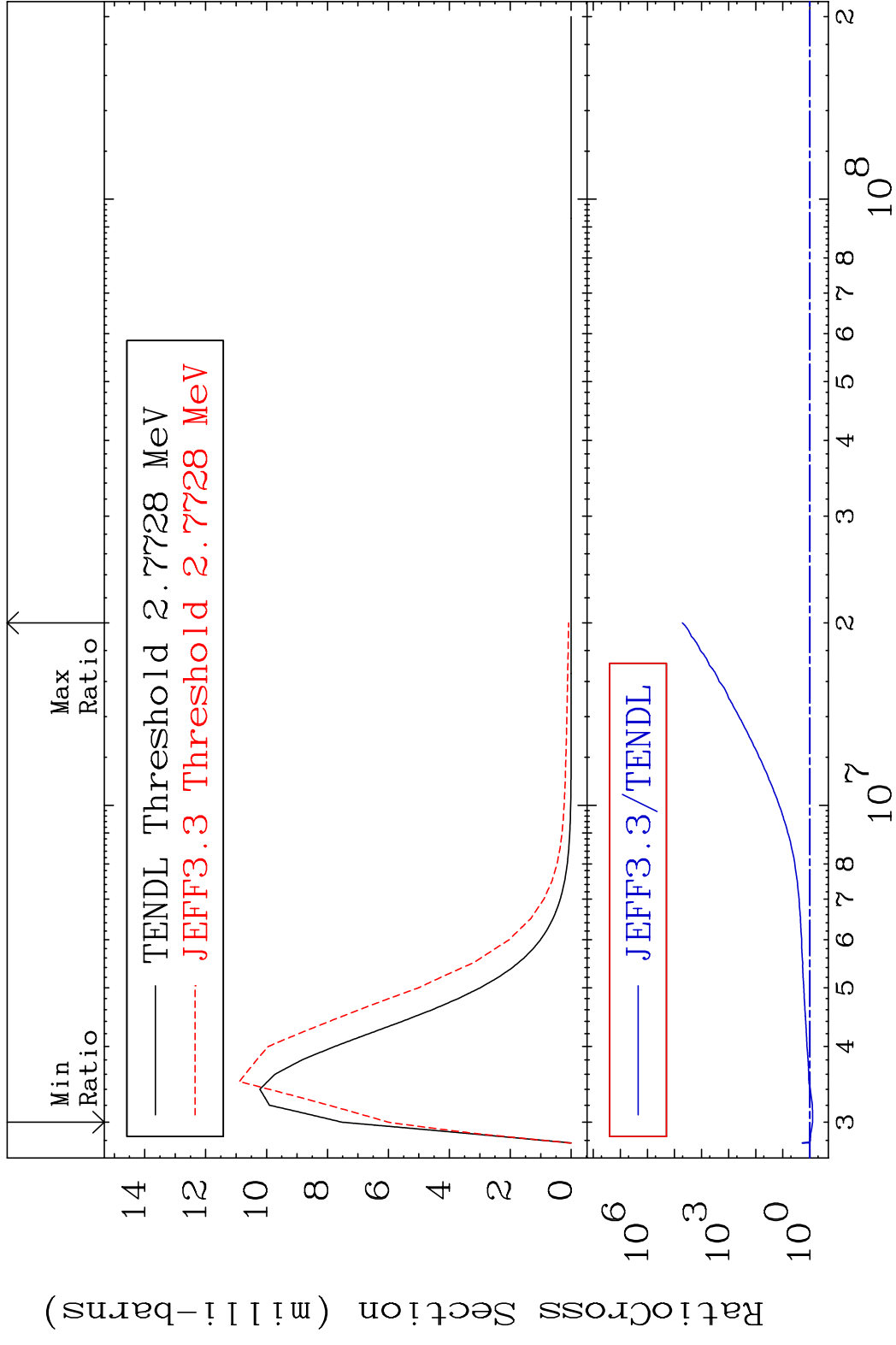
MAT 5049 MT= 69 (n, n') Level 50-Sn-120
 Cross Section -3.400 To 9999. %



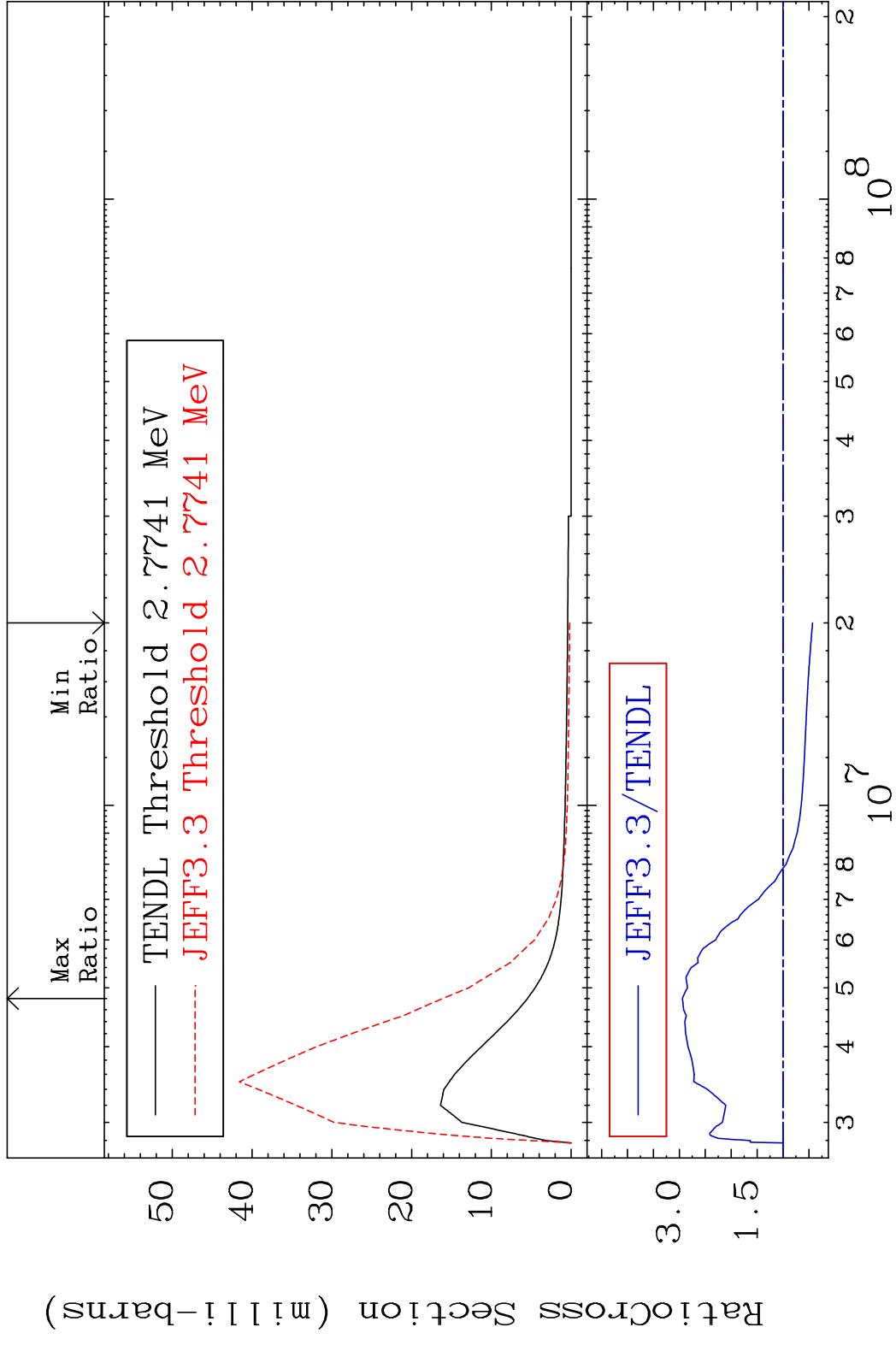
MAT 5049 MT= 70 (n, n') Level 50-Sn-120
 Cross Section -71.09 To 52.15 %



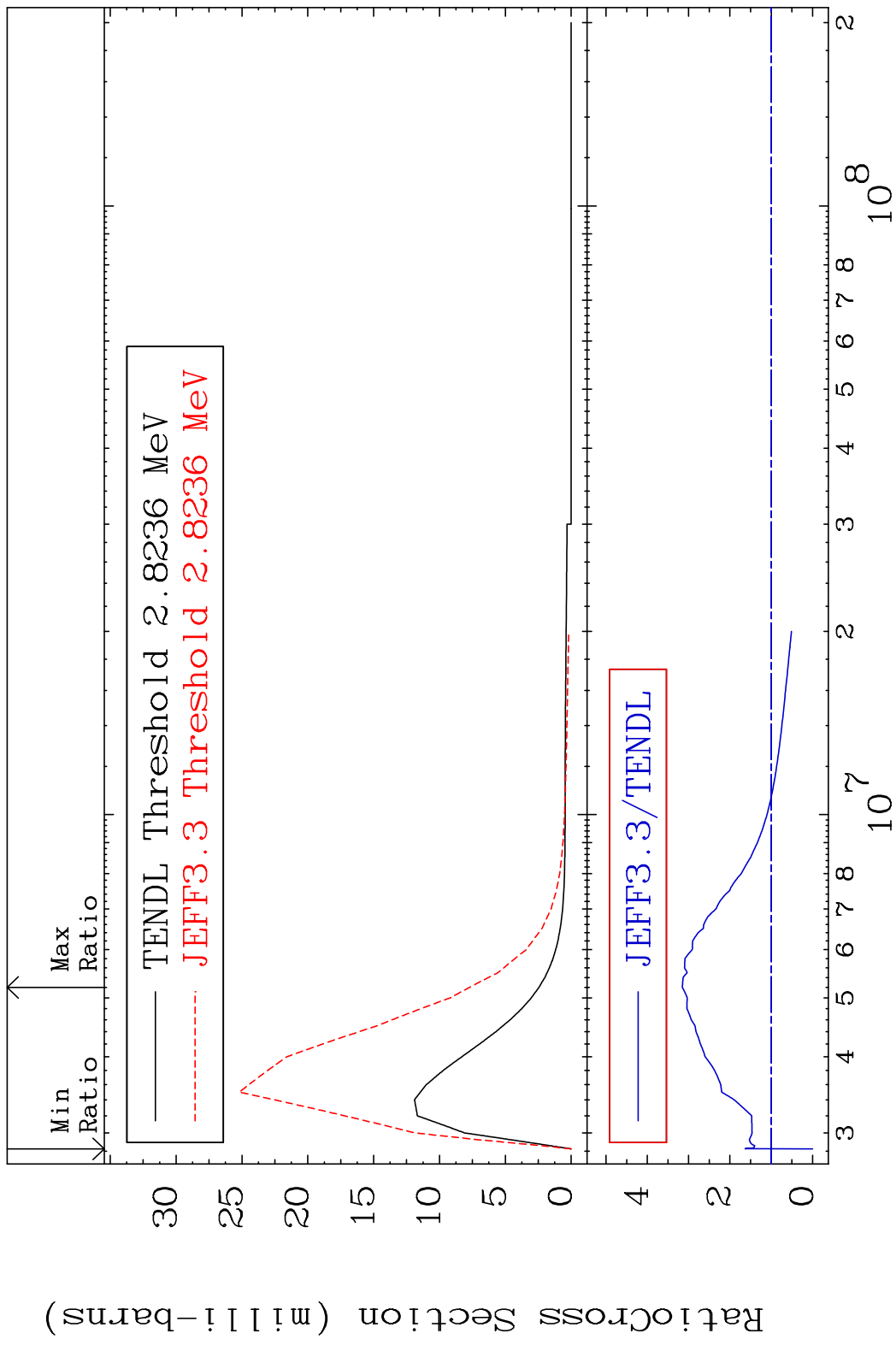
MAT 5049 MT= 71 (n, n') Level 50-Sn-120
 Cross Section -20.21 To 9999. %



MAT 5049 MT= 72 (n, n') Level 50-Sn-120
 Cross Section -57.06 To 194.2 %



MAT 5049 MT= 73 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 215.2 %

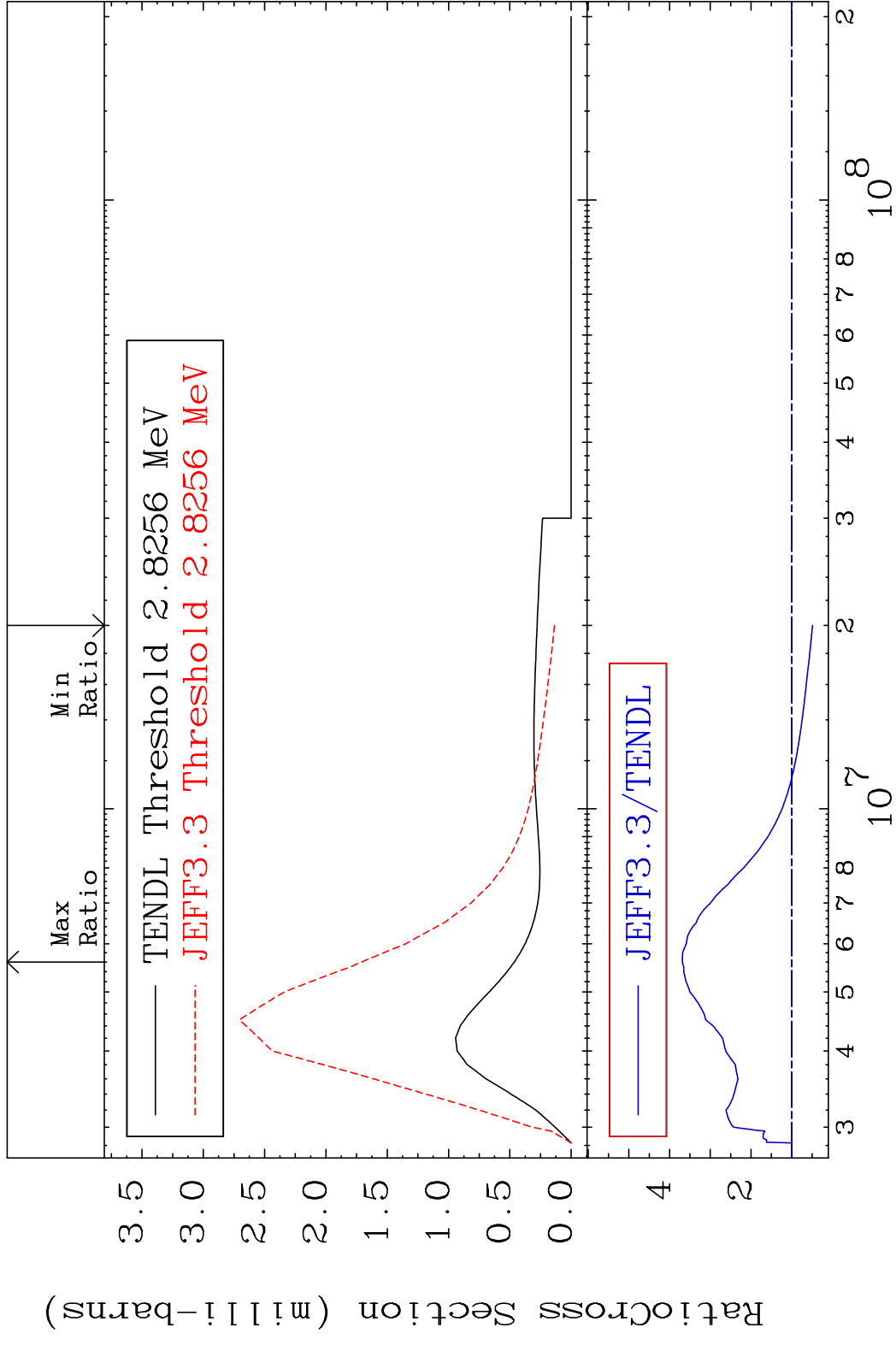


30

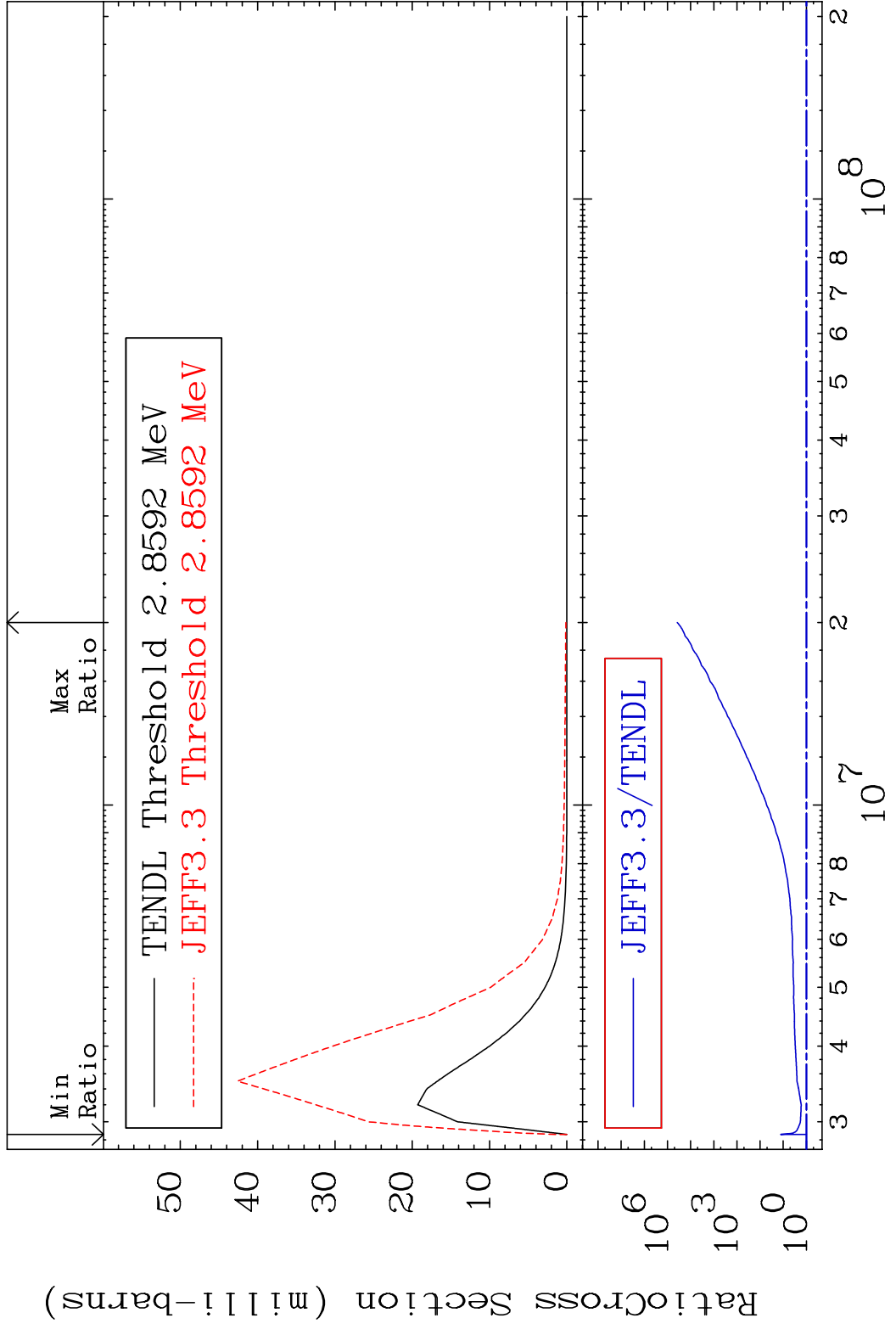
Incident Energy (eV)

50-Sn-120

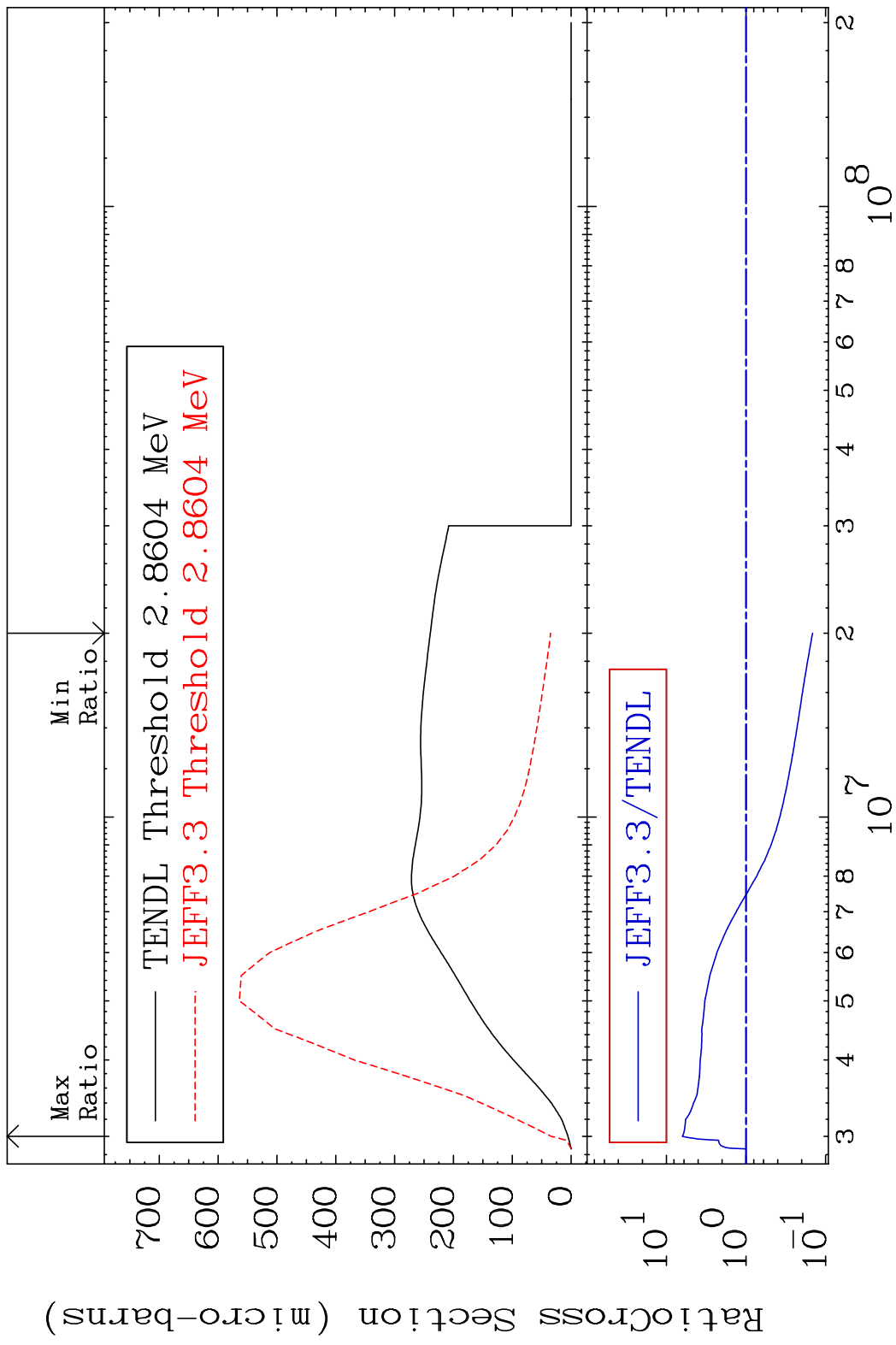
MAT 5049 MT= 74 (n, n') Level 50-Sn-120
 Cross Section -51.23 To 268.6 %



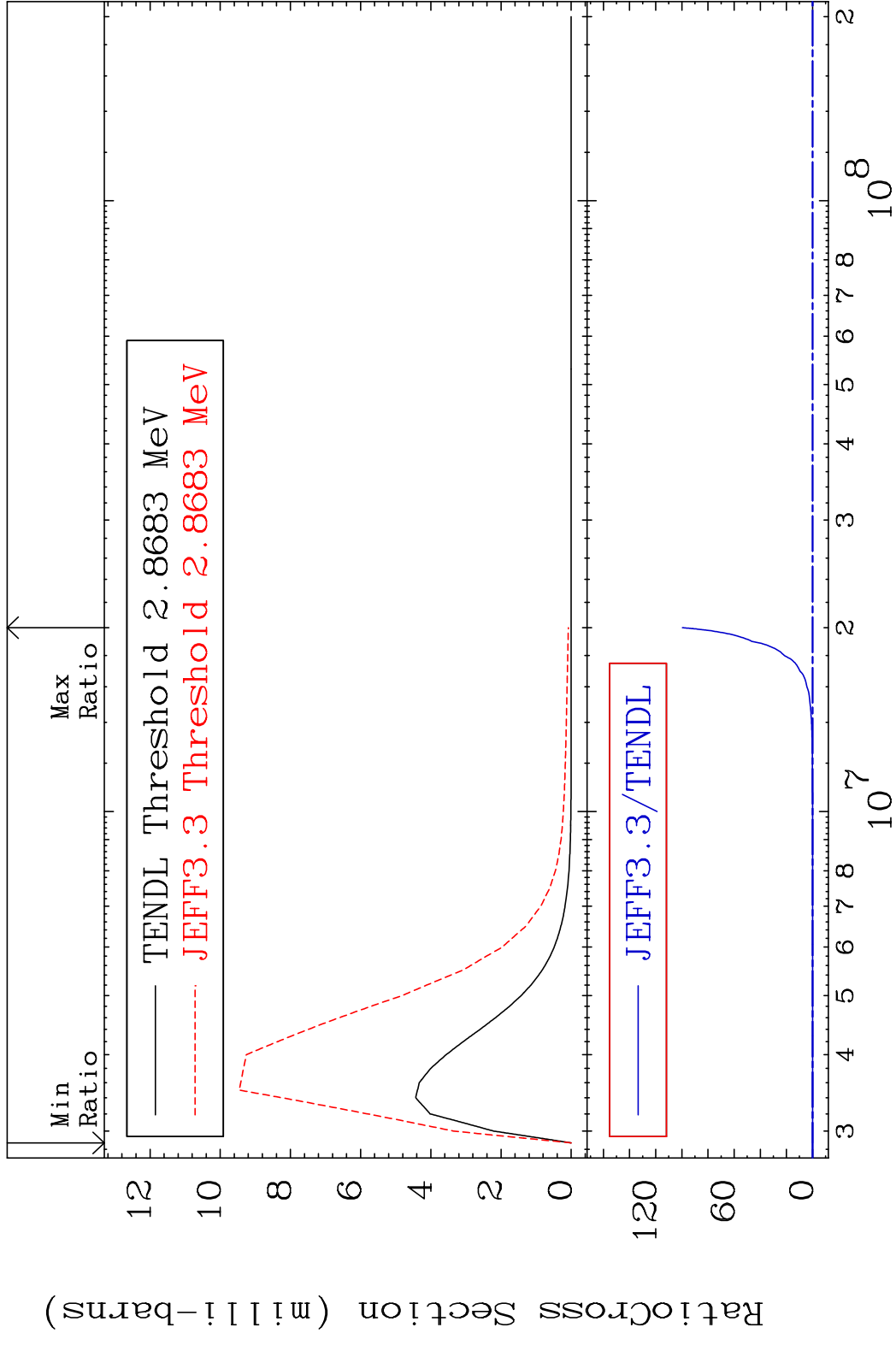
MAT 5049 MT= 75 (n,n') Level 50-Sn-120
 Cross Section 0.000 To 9999. %



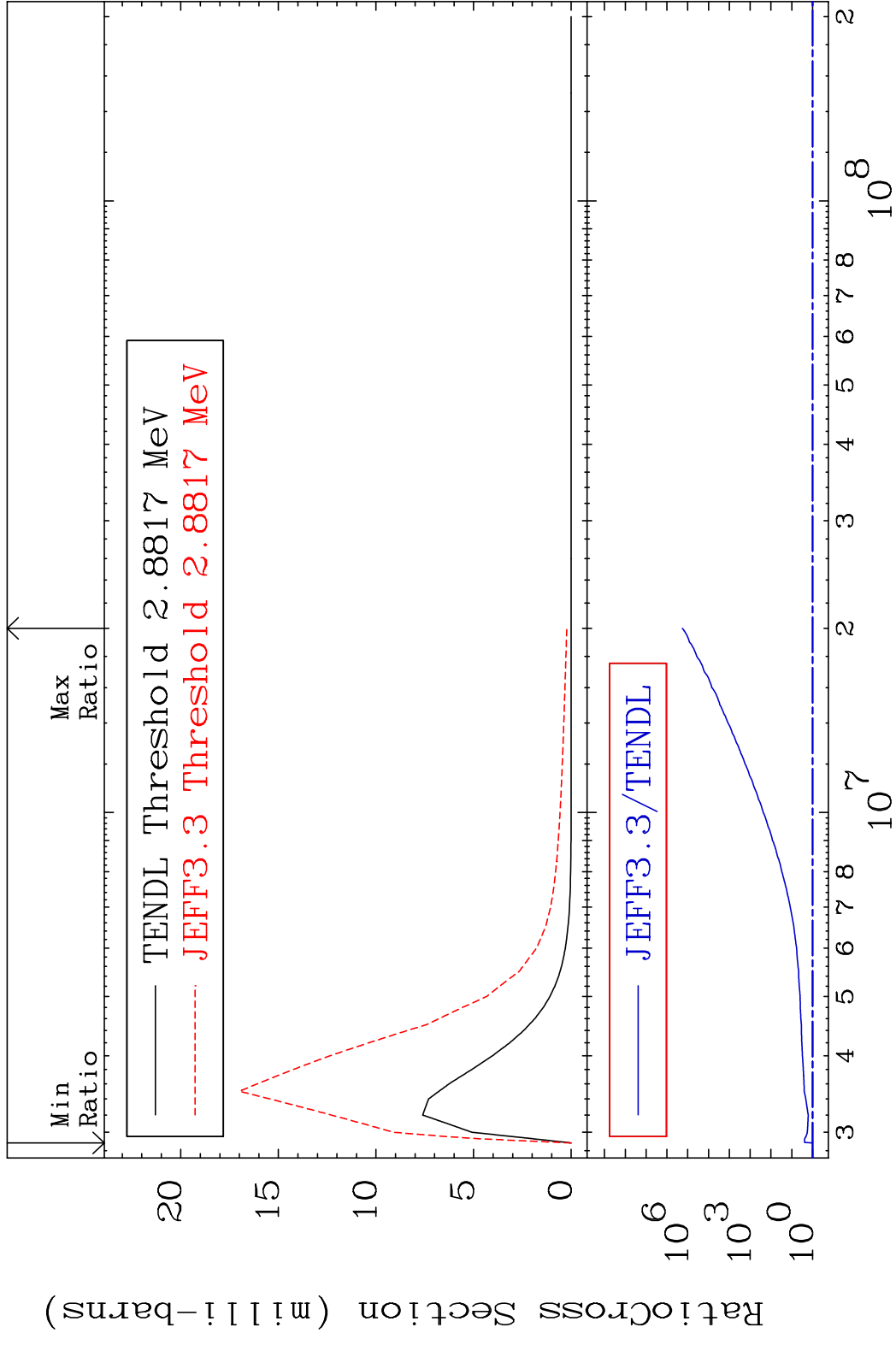
MAT 5049 MT= 76 (n, n') Level 50-Sn-120
 Cross Section -85.43 To 529.2 %



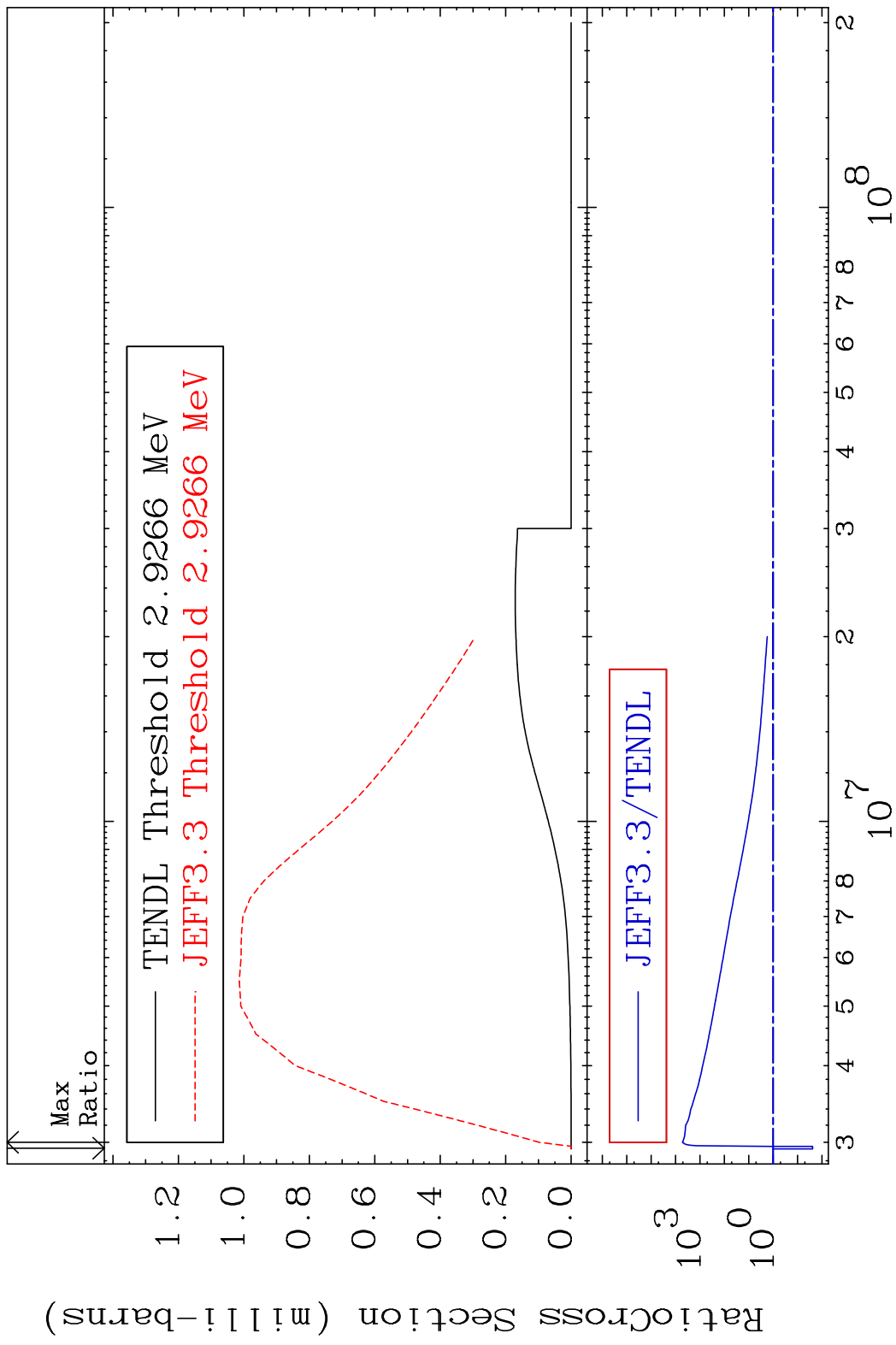
MAT 5049 MT= 77 (n, n') Level 50-Sn-120
 Cross Section -100.0 To 9999. %



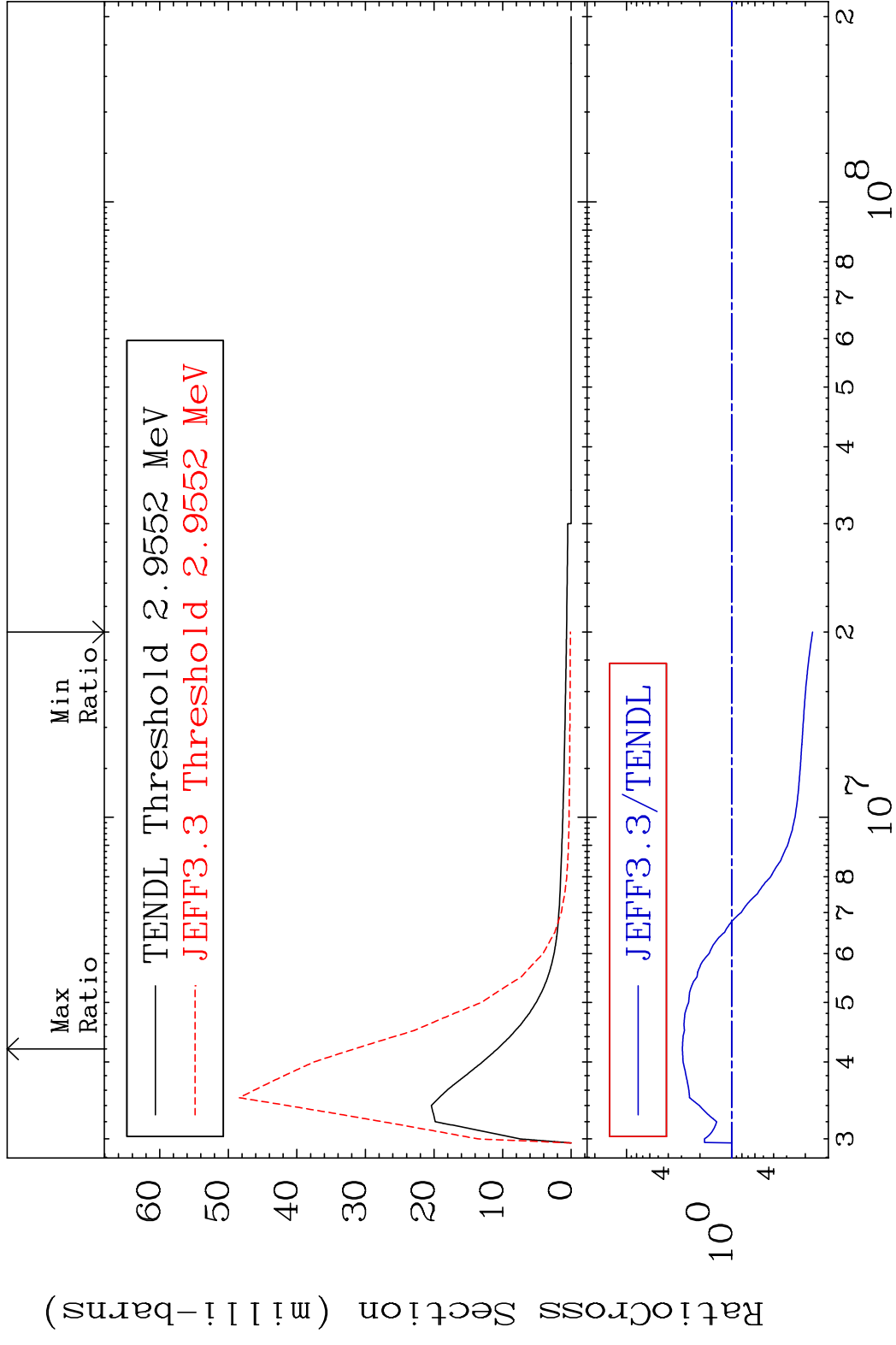
MAT 5049 MT= 78 (n,n') Level 50-Sn-120
 Cross Section 0.000 To 9999. %



MAT 5049 MT= 79 (n, n') Level 50-Sn-120
 Cross Section -97.60 To 9999. %



MAT 5049 MT= 80 (n, n') Level 50-Sn-120
 Cross Section -82.97 To 194.3 %



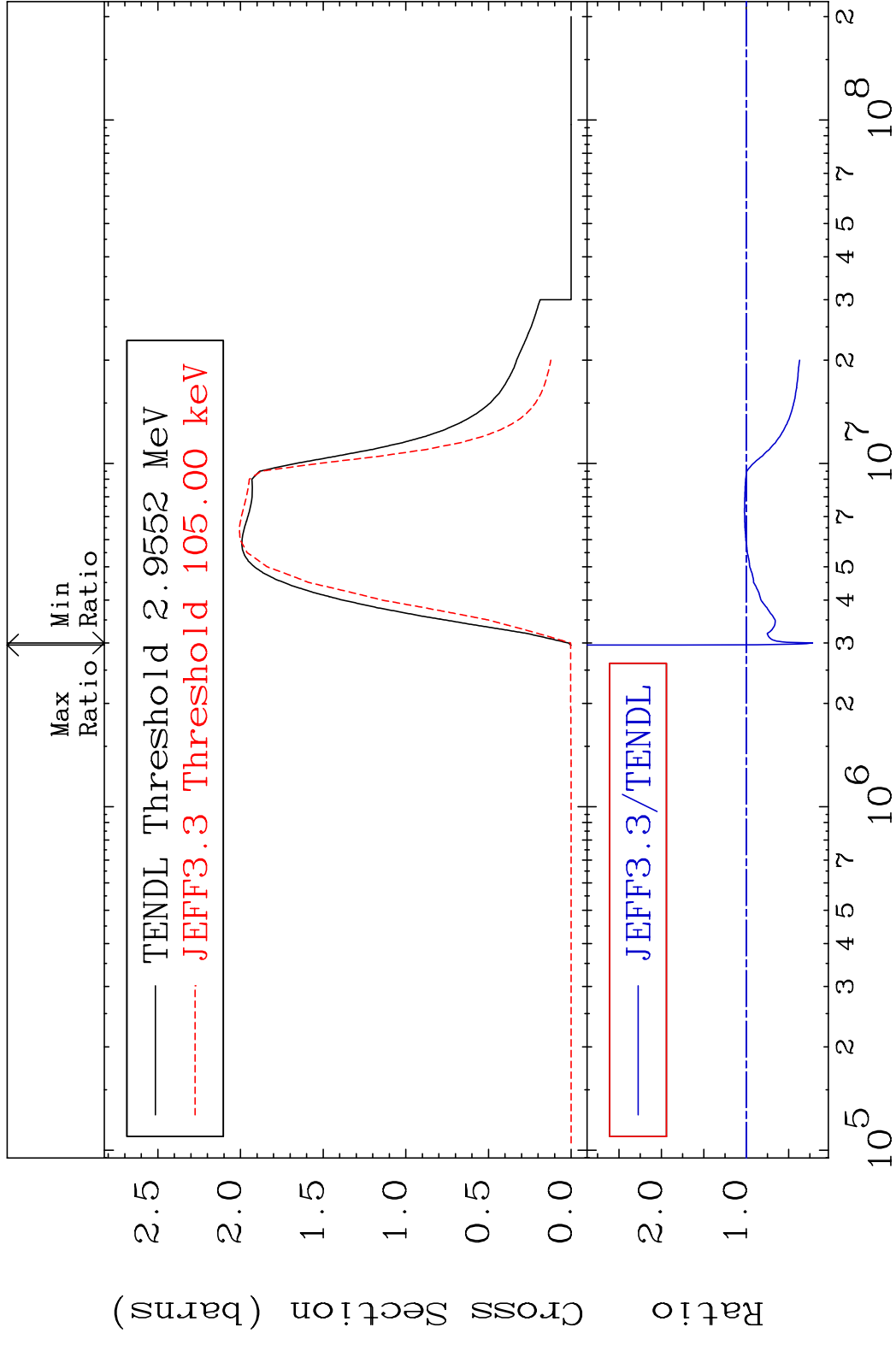
MAT 5049

(n, n') Continuum

50-Sn-120

Cross Section

-78.06 To 75.27 %



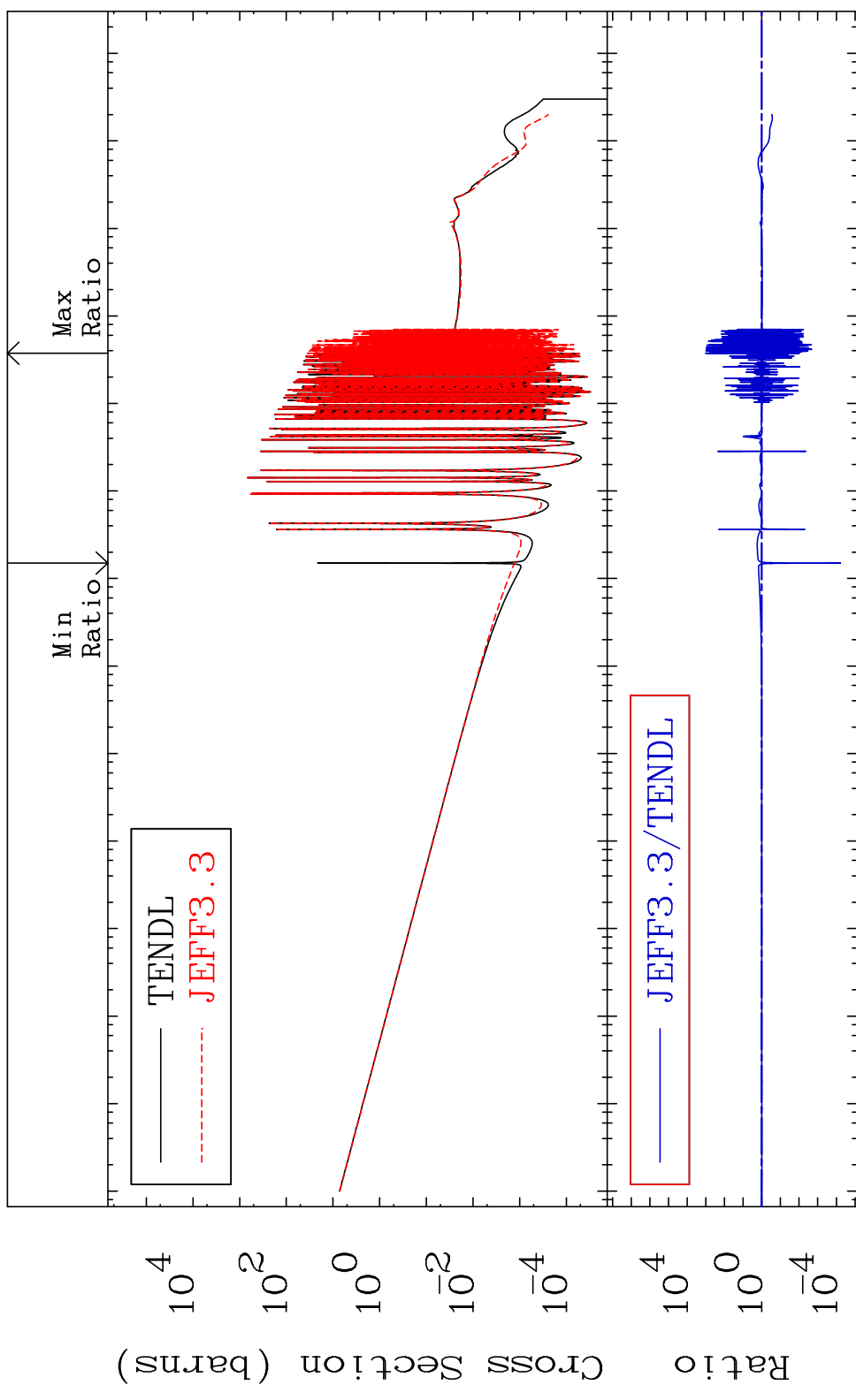
38

Incident Energy (eV)

50-Sn-120

MAT 5049

(n, γ)
Cross Section -99.99 To 9999. %
50-Sn-120

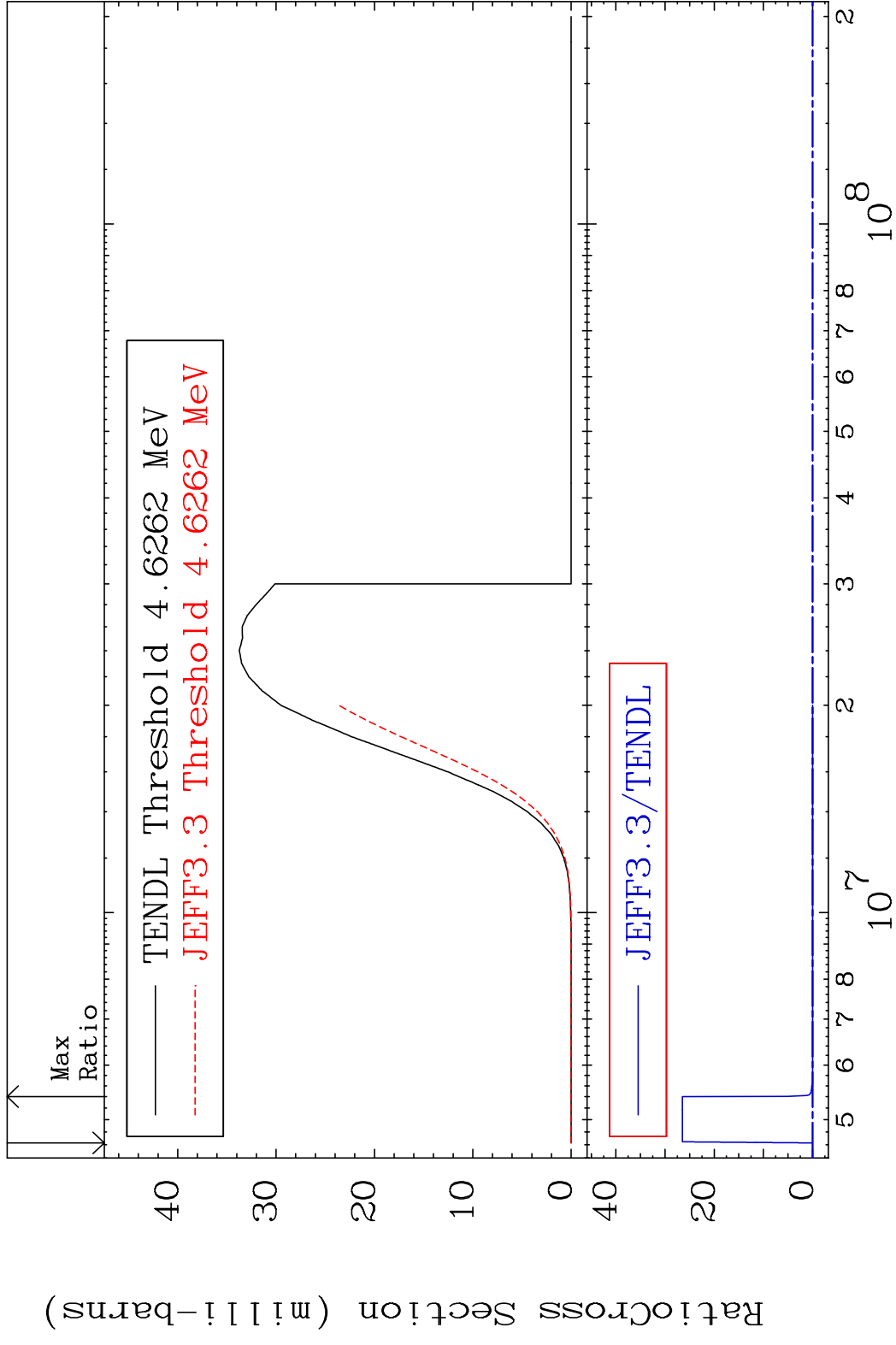


39

Incident Energy (eV)

50-Sn-120

MAT 5049 (n,p) 50-Sn-120
 Cross Section -100.0 To 9999. %



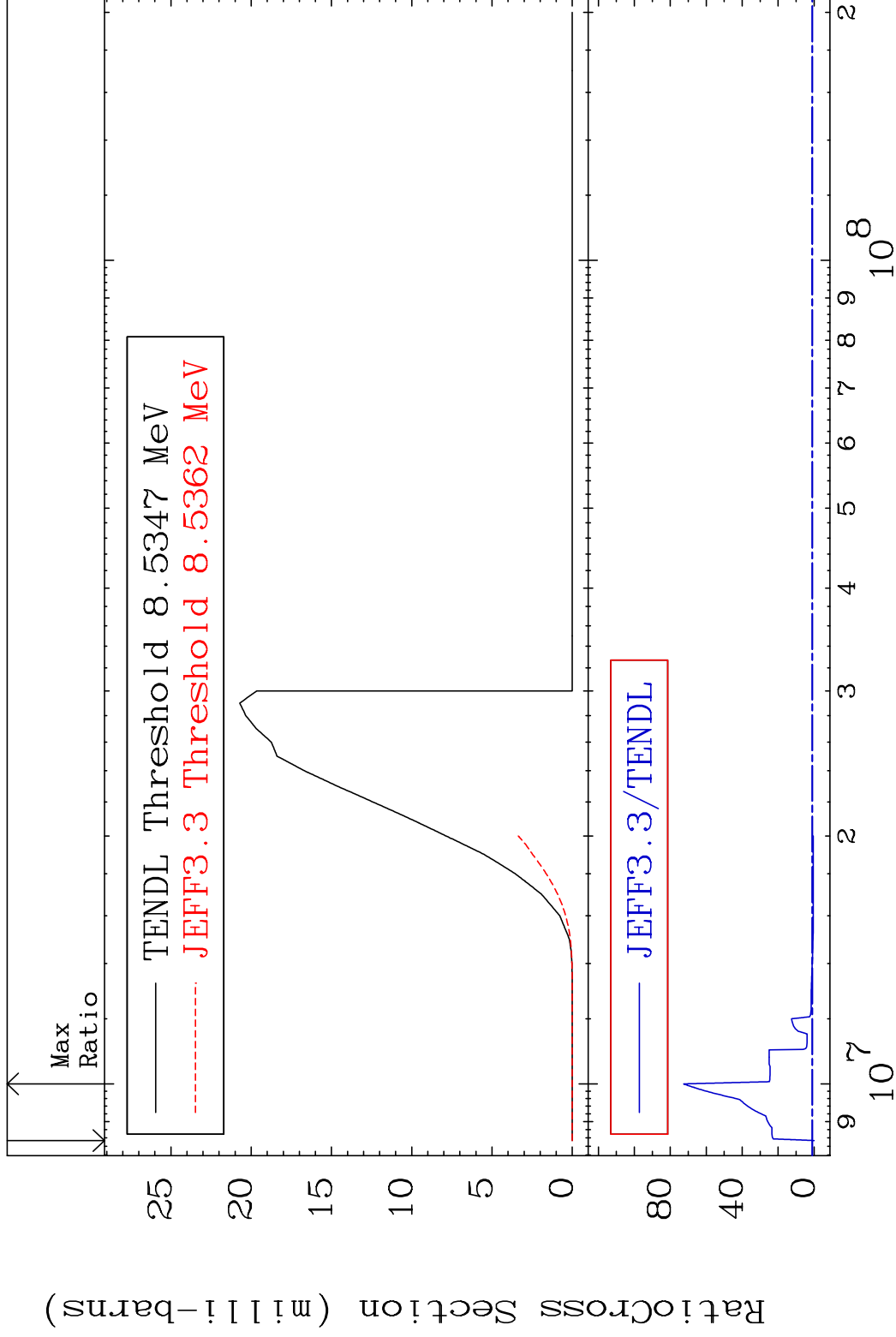
40 5 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2

MAT 5049

(n, d)

50-Sn-120

Cross Section -100.0 To 7157. %



41

Incident Energy (eV)

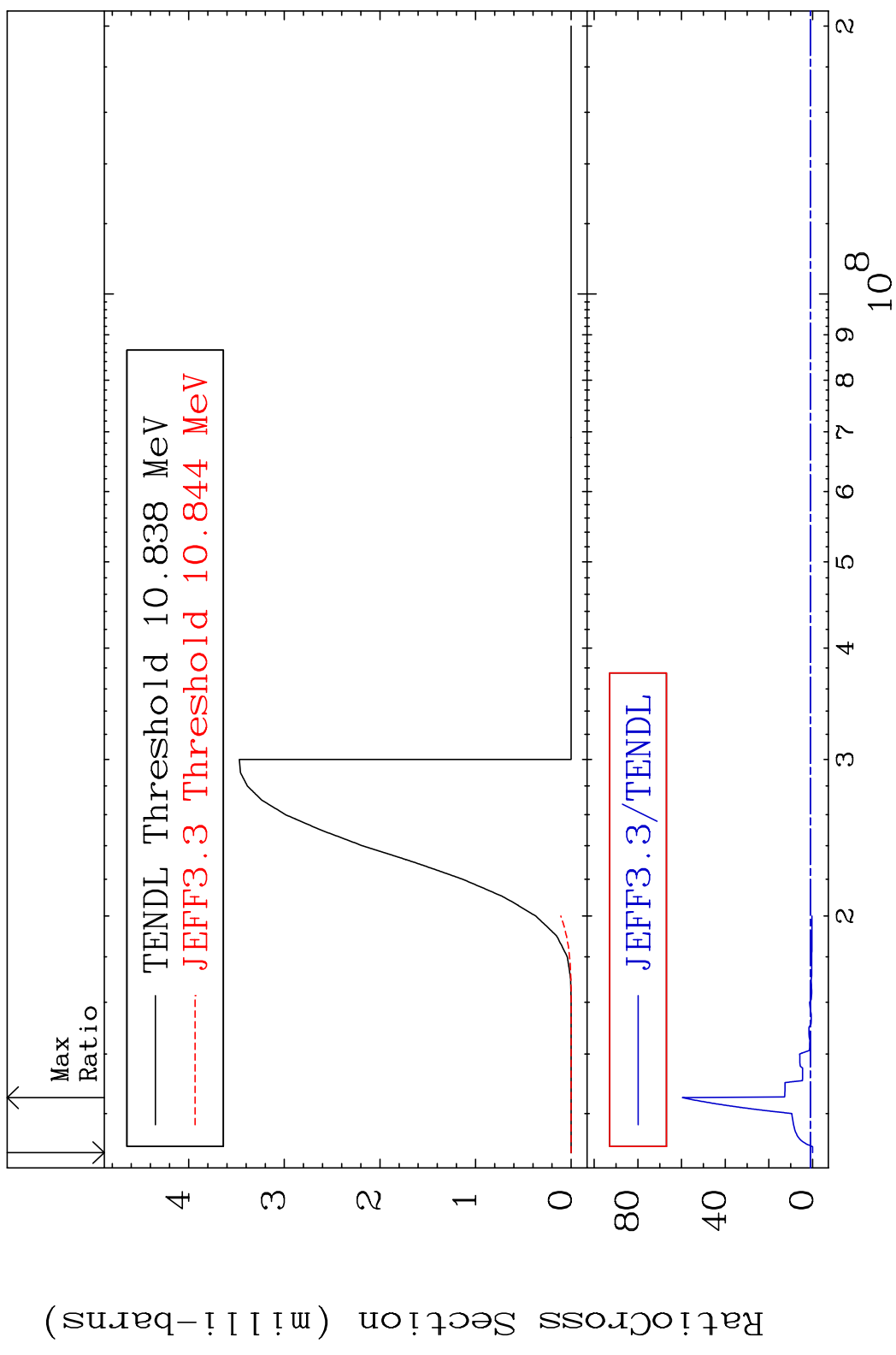
50-Sn-120

MAT 5049

(n, t)

50-Sn-120

Cross Section -100.0 To 5863. %

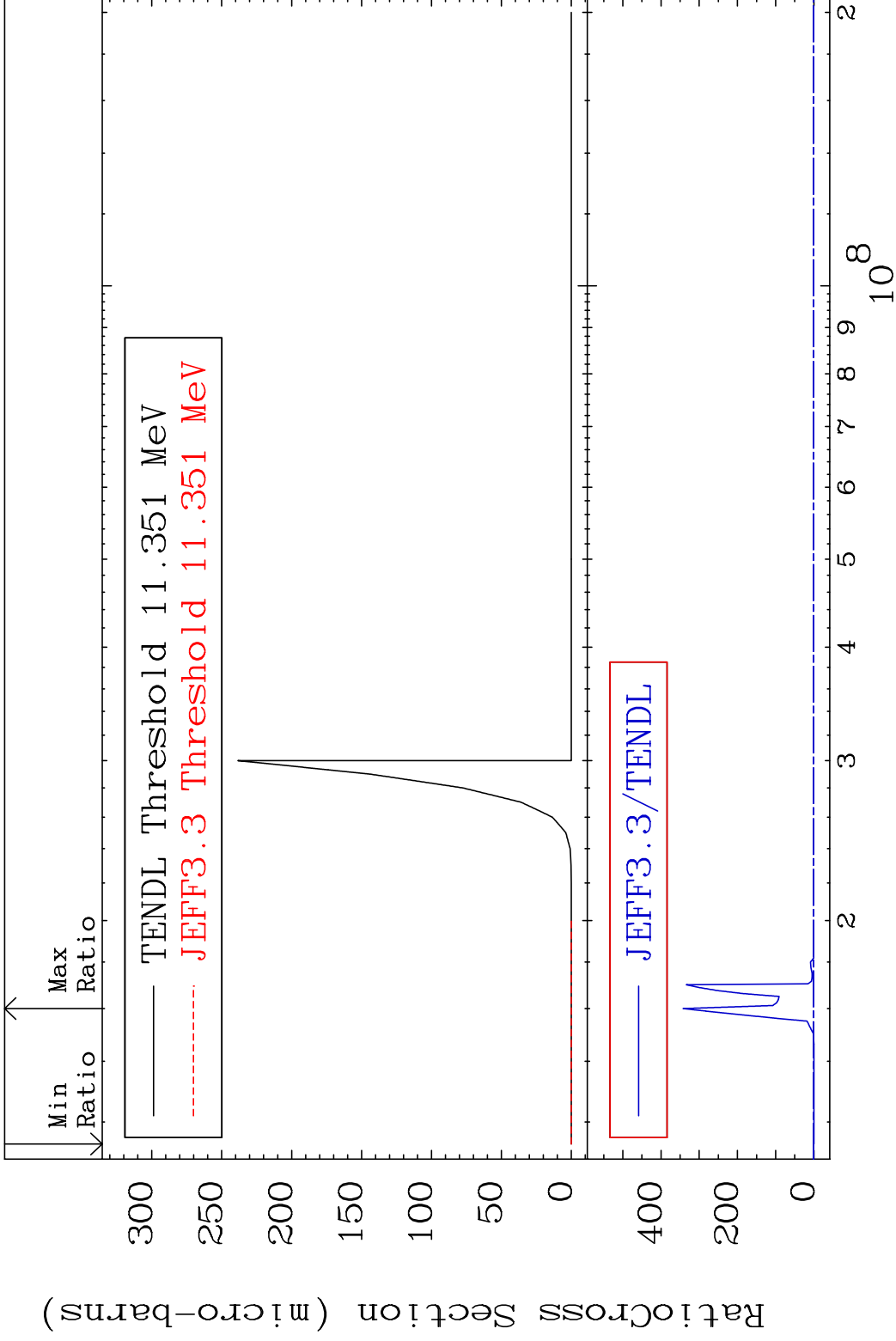


MAT 5049

(n, He-3)

50-Sn-120

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

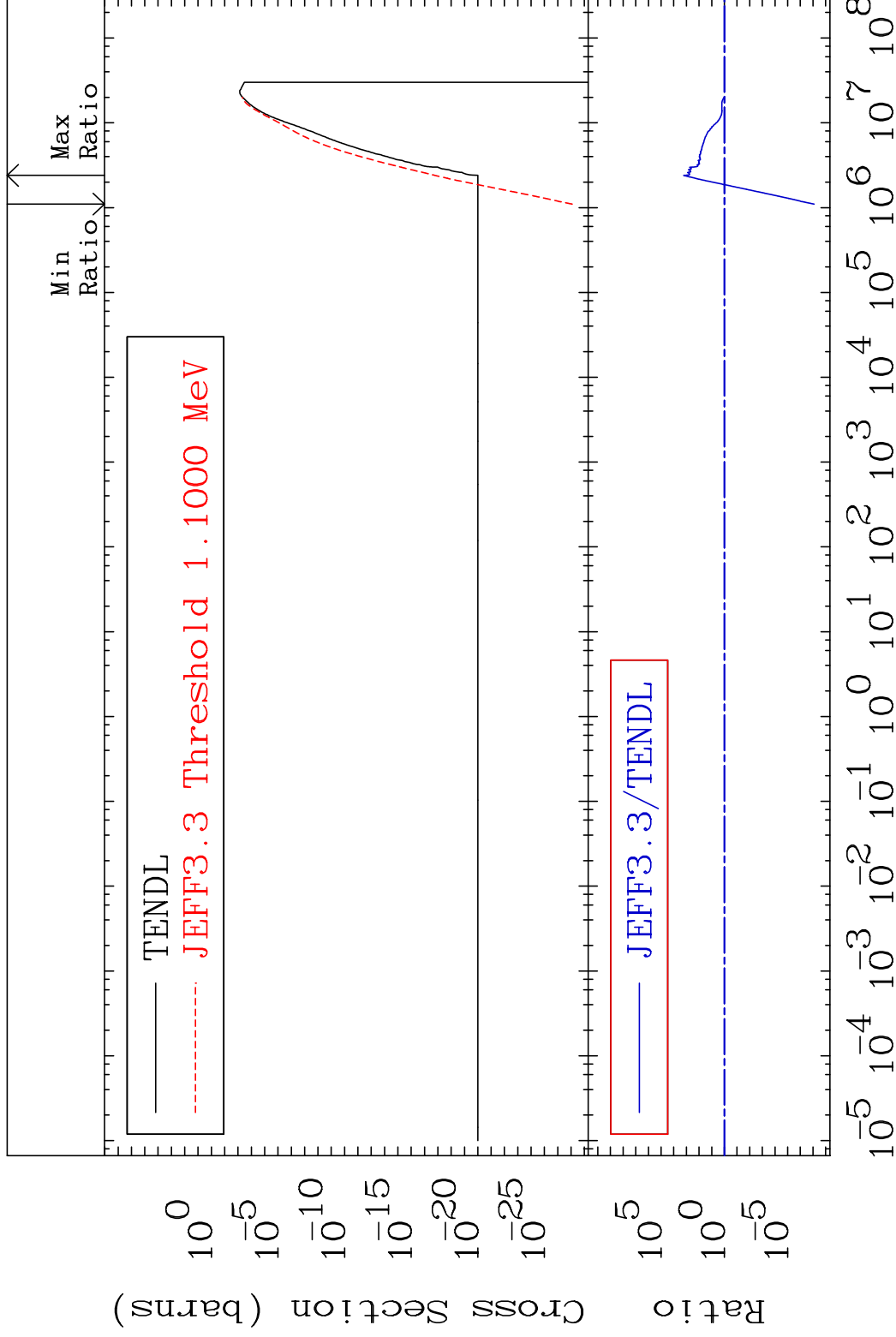
50-Sn-120

MAT 5049

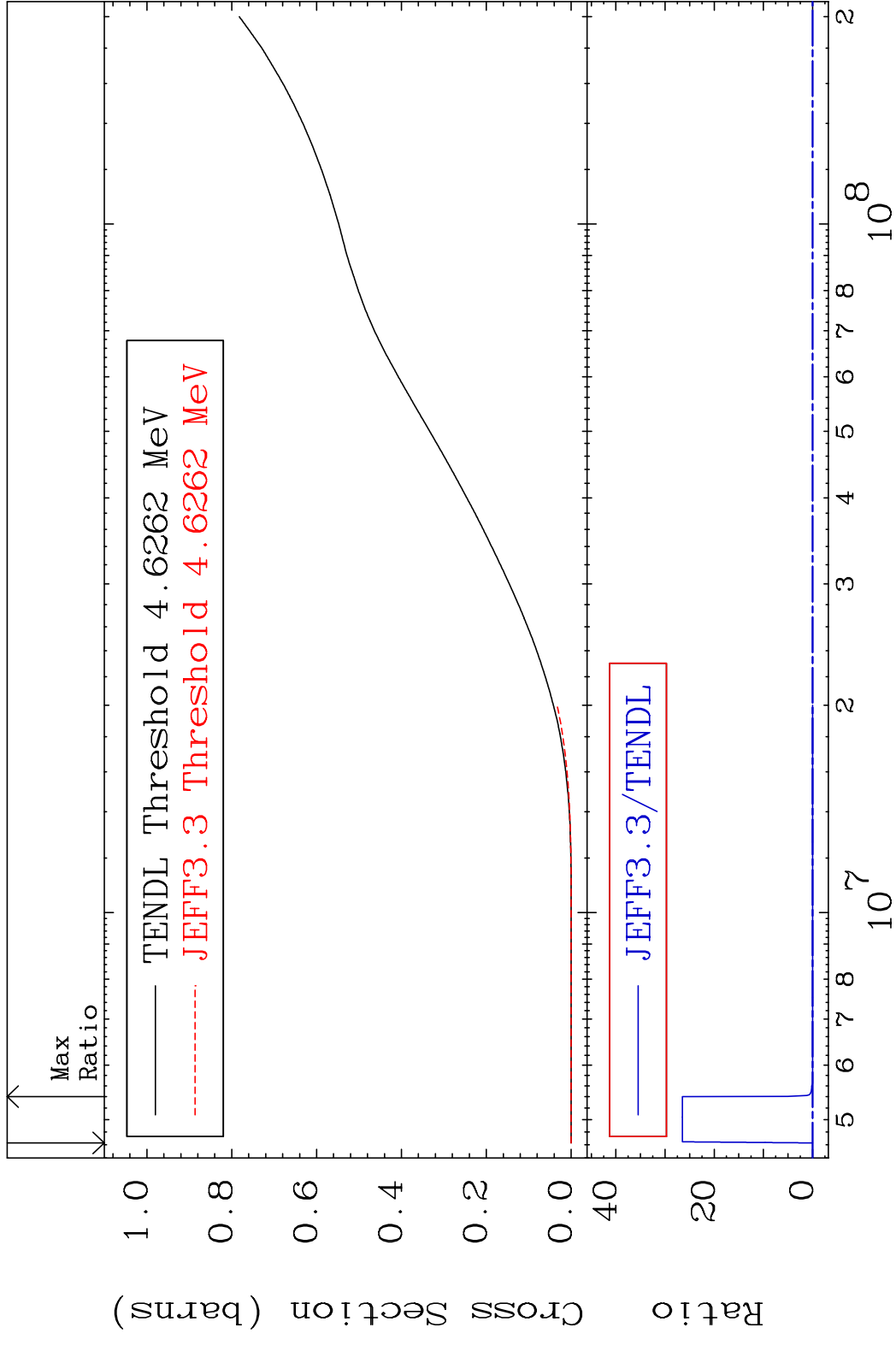
(n, α)

50-Sn-120

Cross Section -100.0 To 9999. %



MAT 5049 Hydrogen Production 50-Sn-120
 Cross Section -100.0 To 9999. %

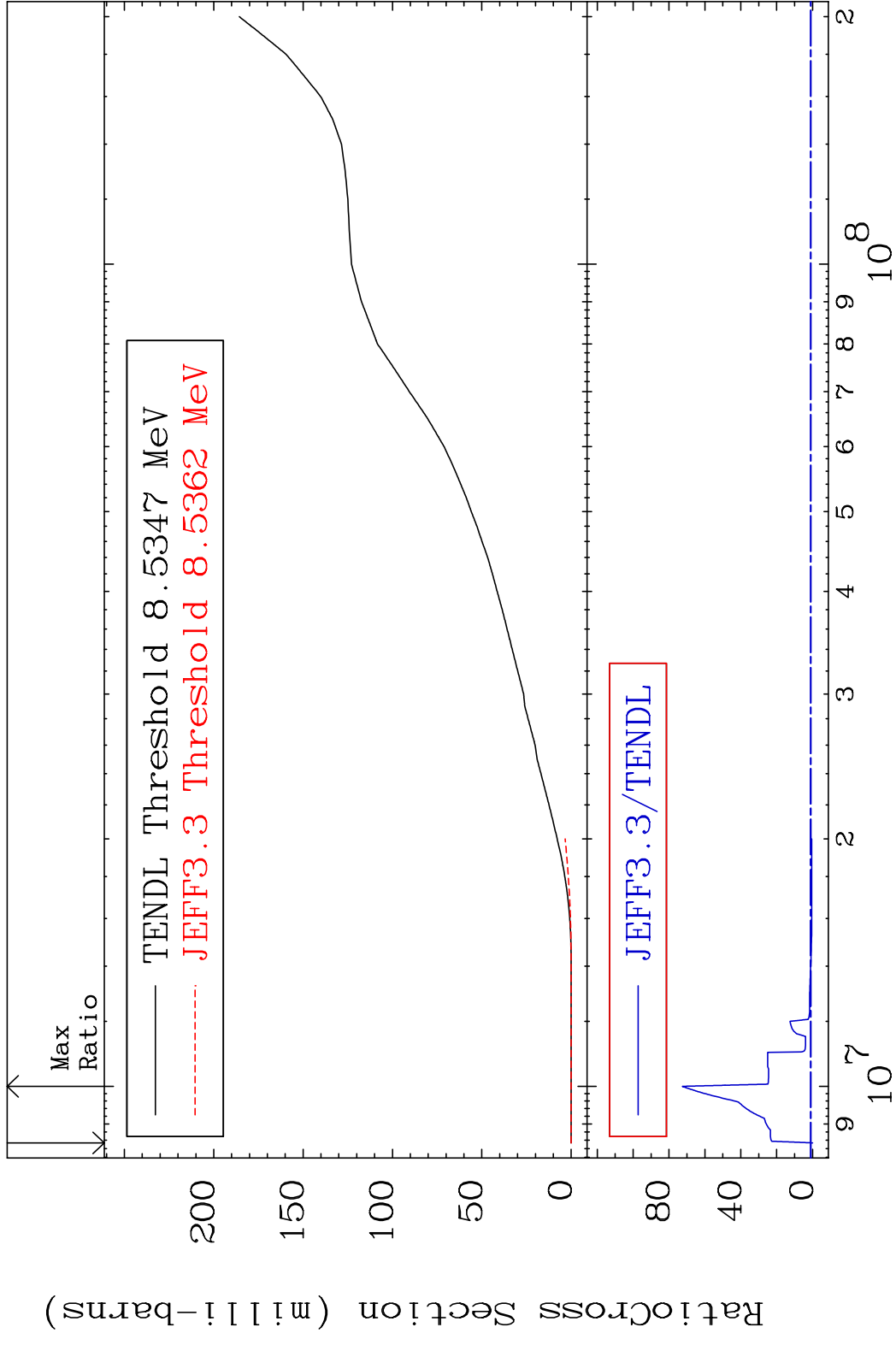


45 Incident Energy (eV) 50-Sn-120

MAT 5049

Deuterium Production 50-Sn-120

Cross Section -100.0 To 7157. %

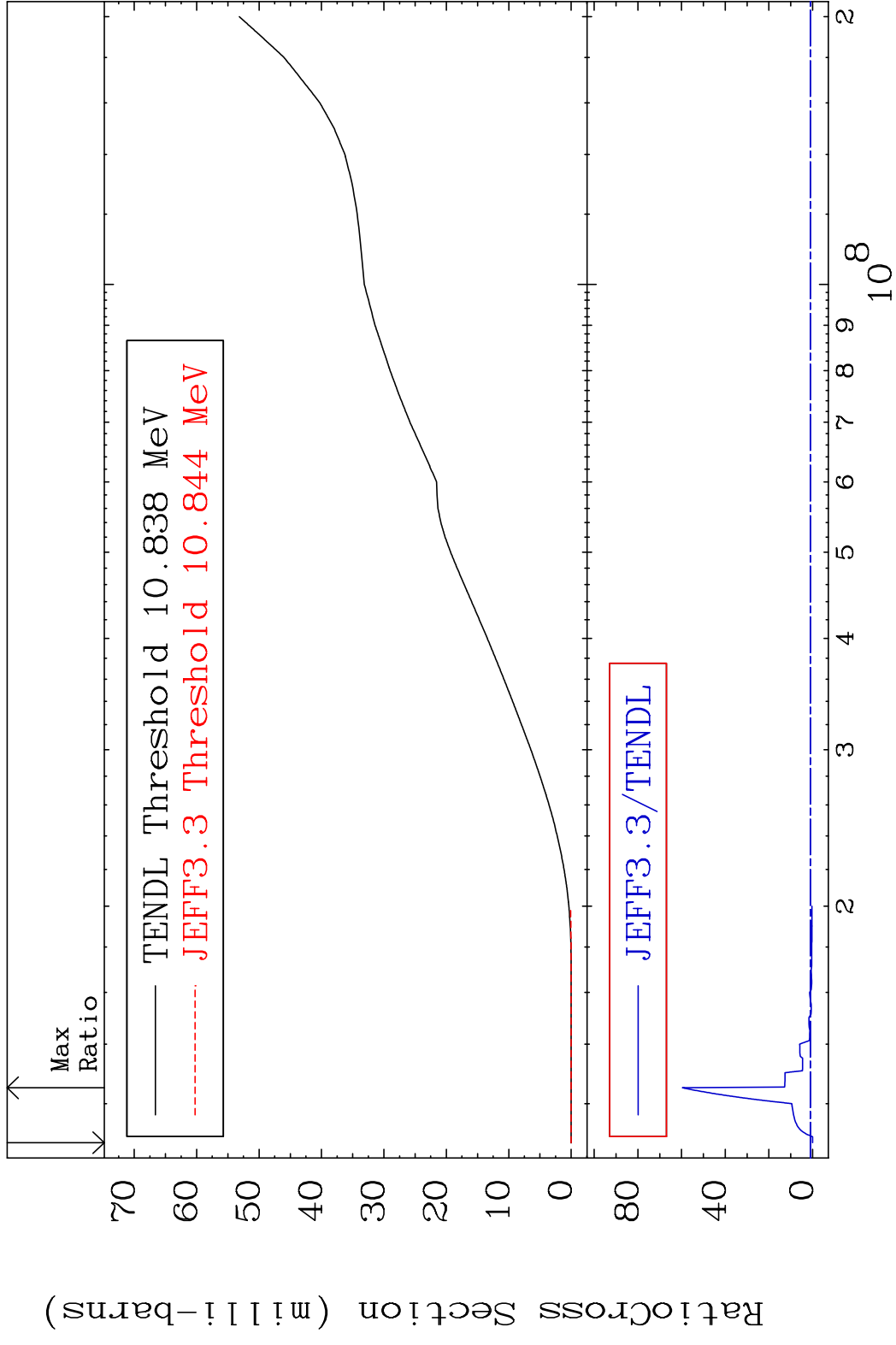


46

Incident Energy (eV)

50-Sn-120

MAT 5049 Tritium Production 50-Sn-120
 Cross Section -100.0 To 5863. %

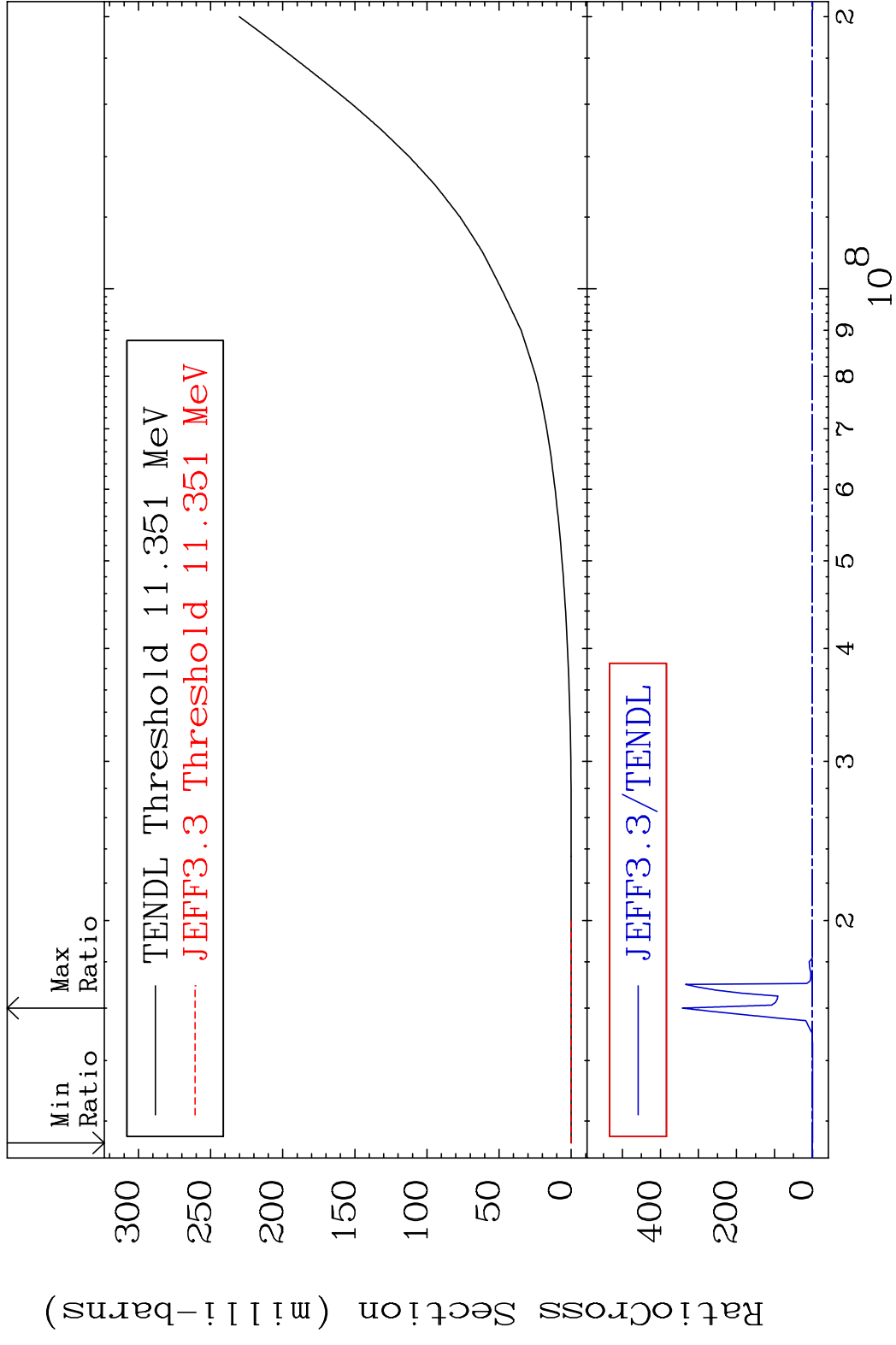


MAT 5049

He-3 Production

50-Sn-120

Cross Section -100.0 To 9999. %

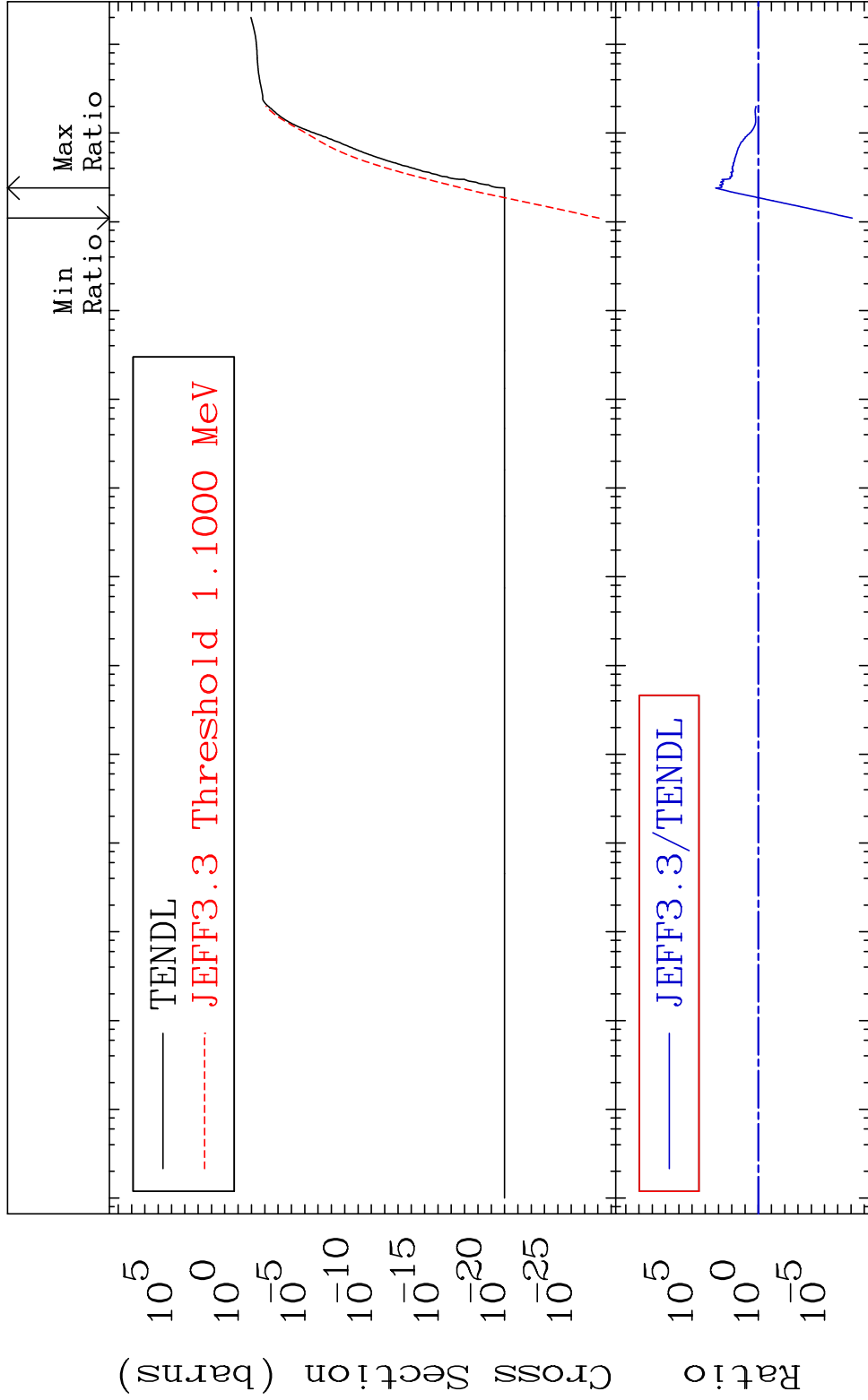


MAT 5049

He-4 Production

50-Sn-120

Cross Section -100.0 To 9999. %

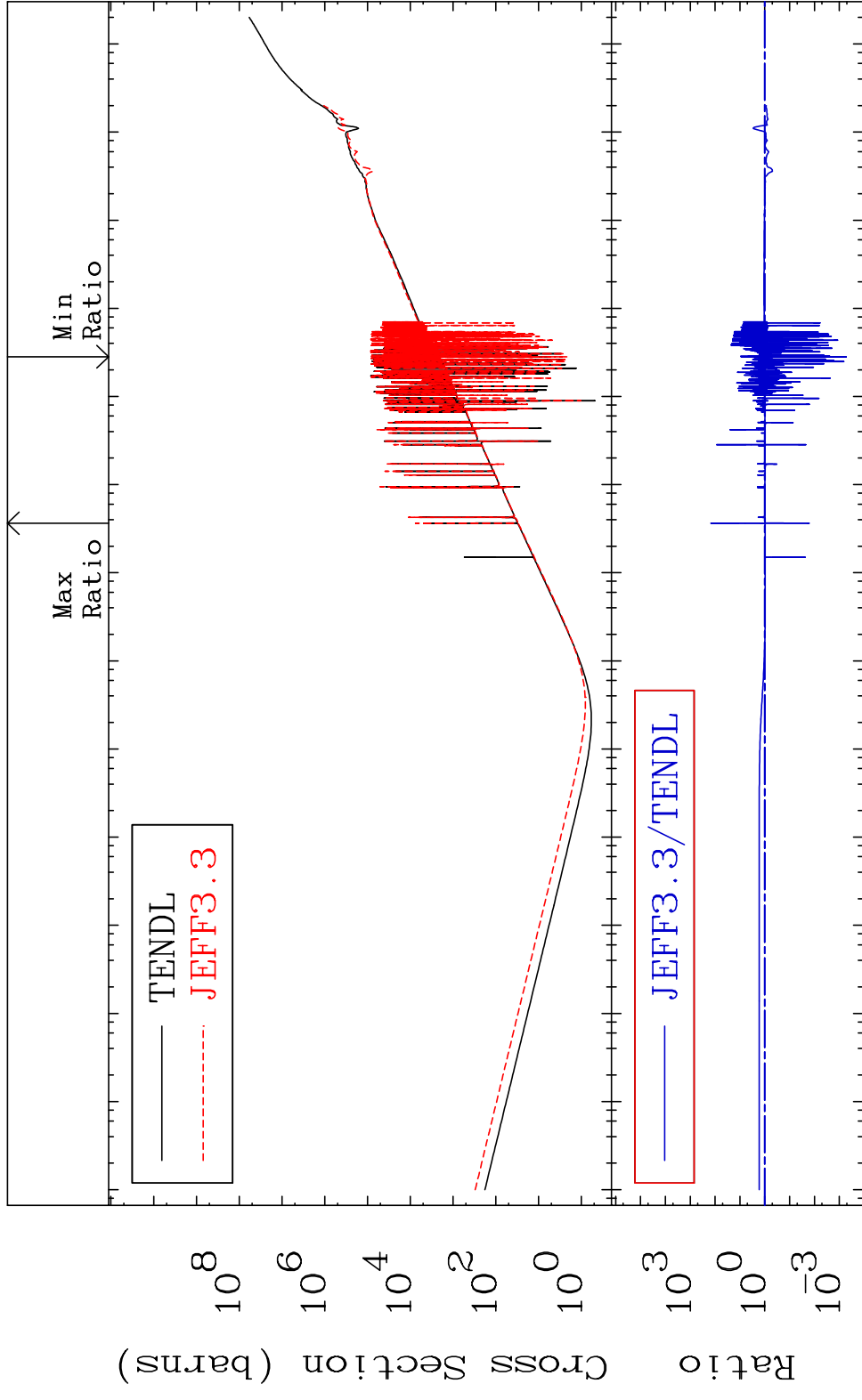


49

Incident Energy (eV)

50-Sn-120

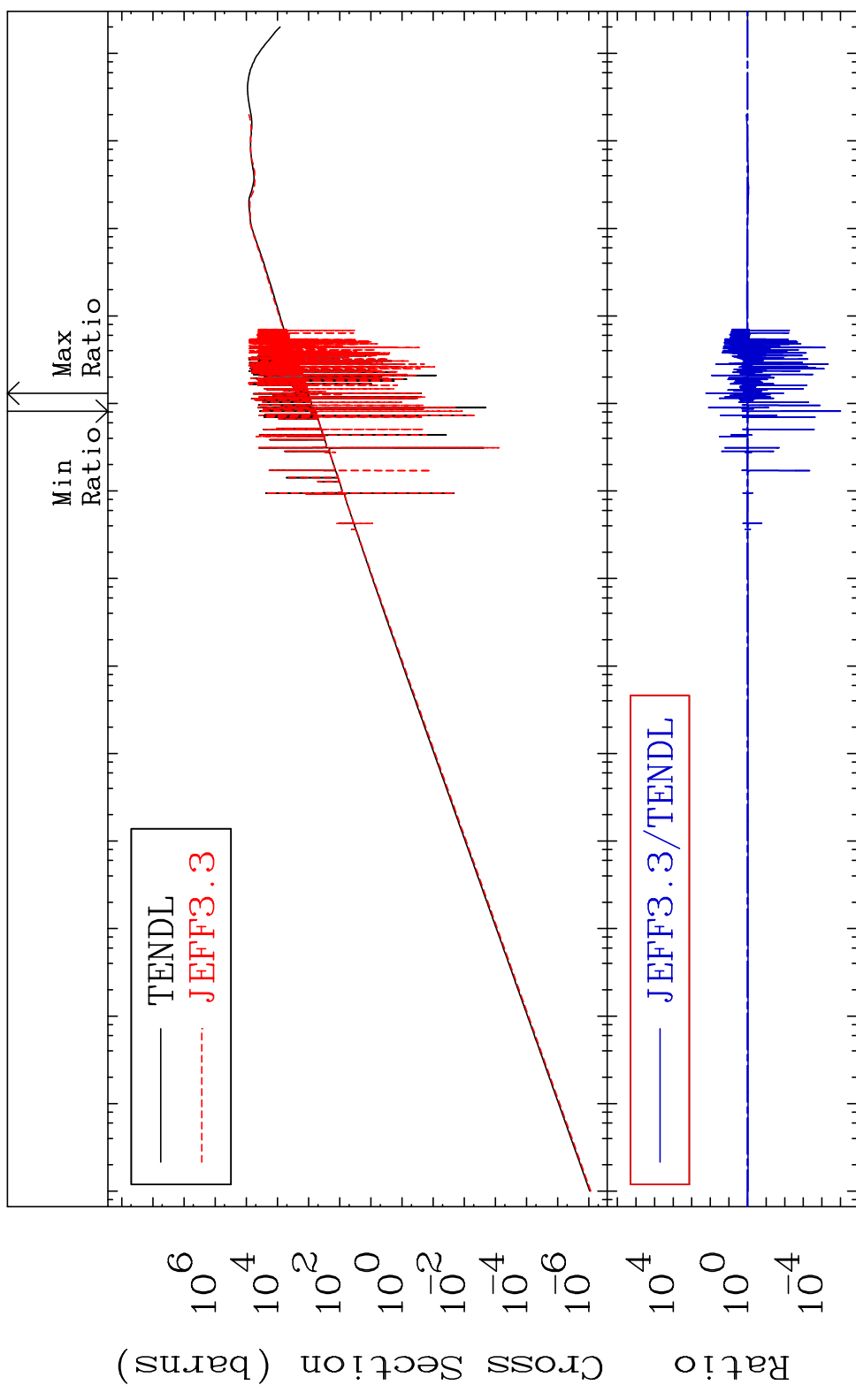
MAT 5049 Kerma total (eV-barns) 50-Sn-120
 Cross Section -99.95 To 9999. %



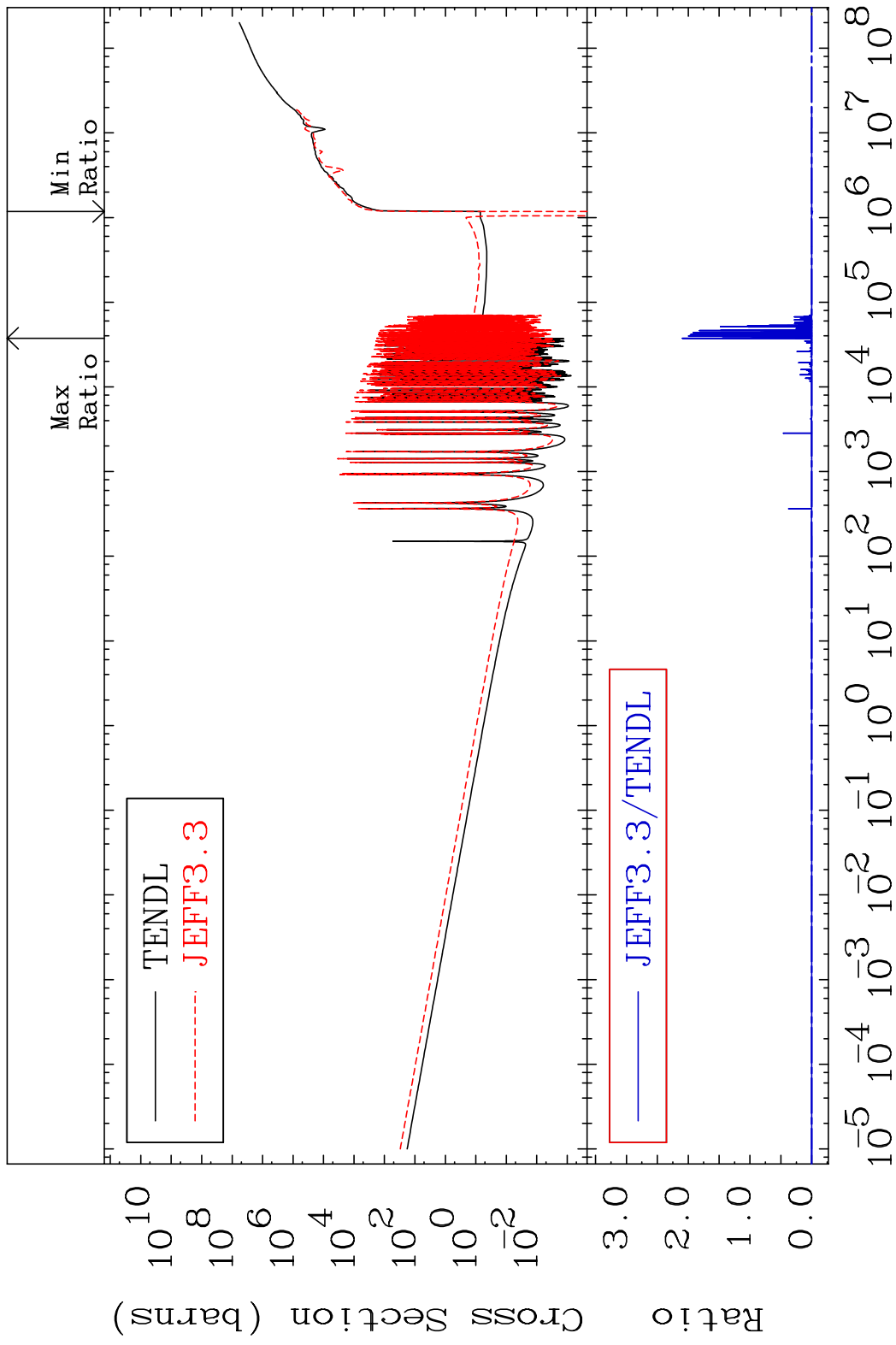
50 Incident Energy (eV) 50-Sn-120

MAT 5049

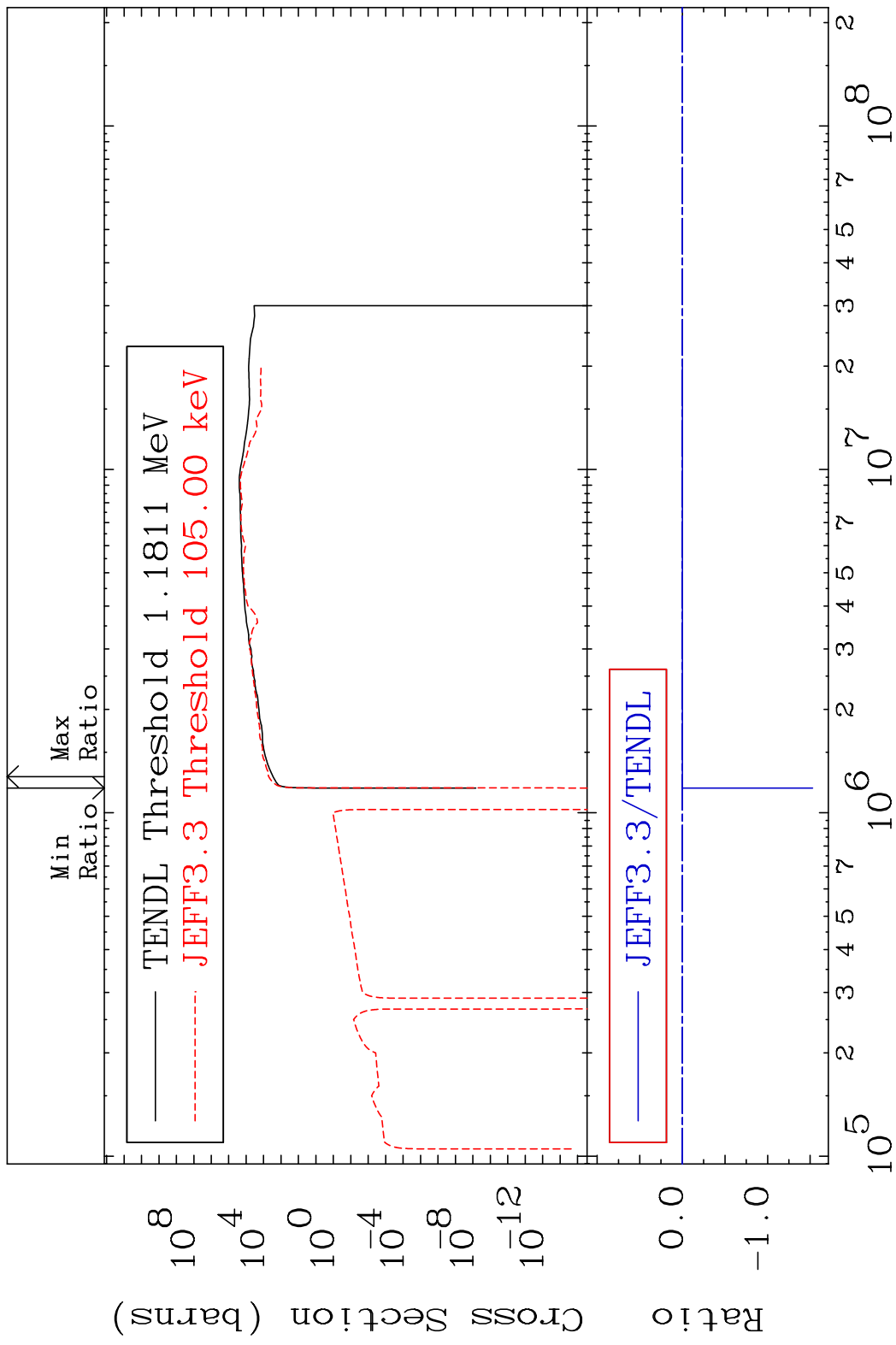
Kerma elastic Cross Section
50-Sn-120
-100.0 To 9999. %



MAT 5049 Kerma non-elastic (all but mt2) 50-Sn-120
 Cross Section -1397. To 9999. %

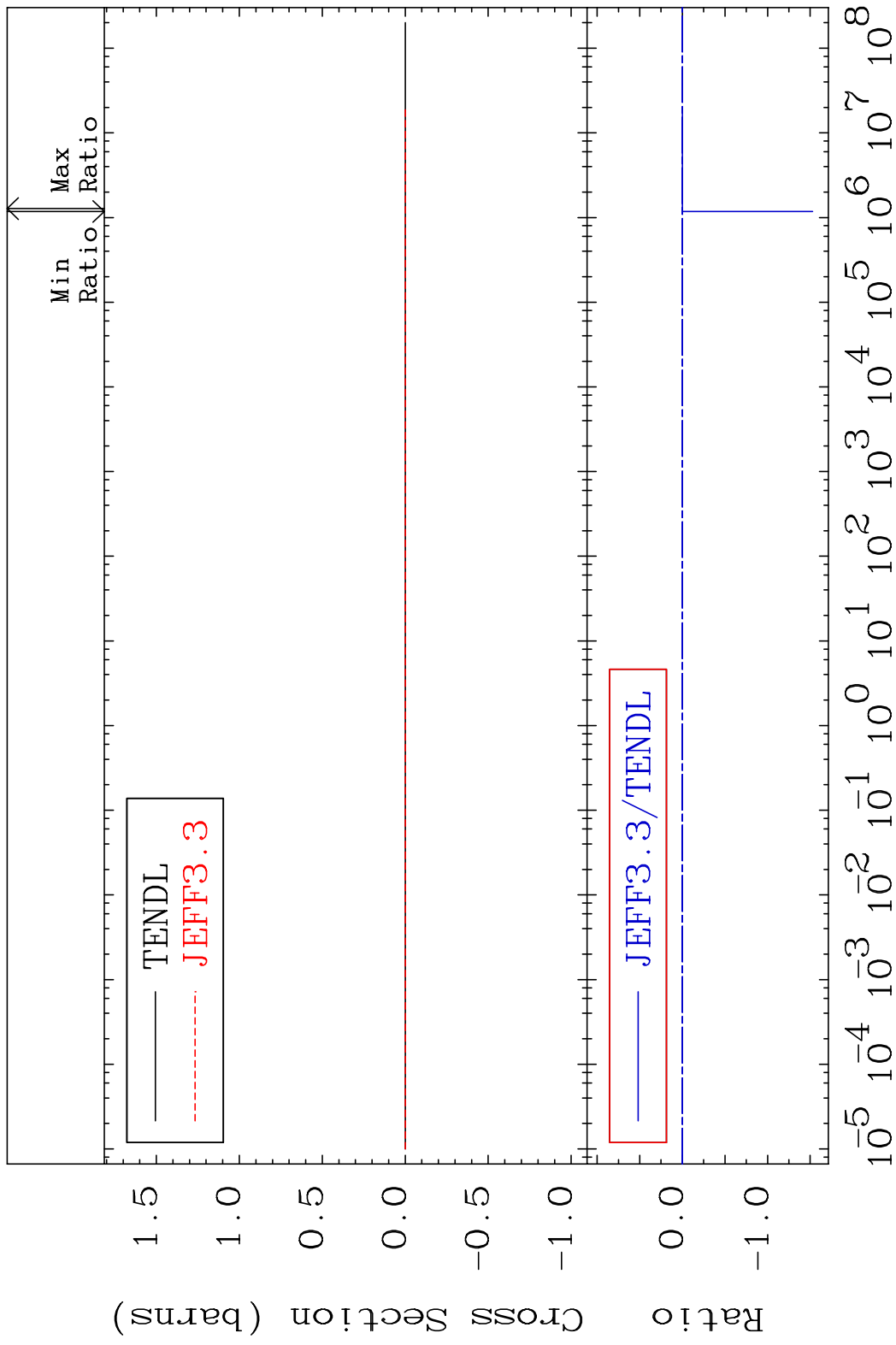


MAT 5049 Kerma inelastic (mt51-91) 50-Sn-120
 Cross Section -9999. To 76.16 %



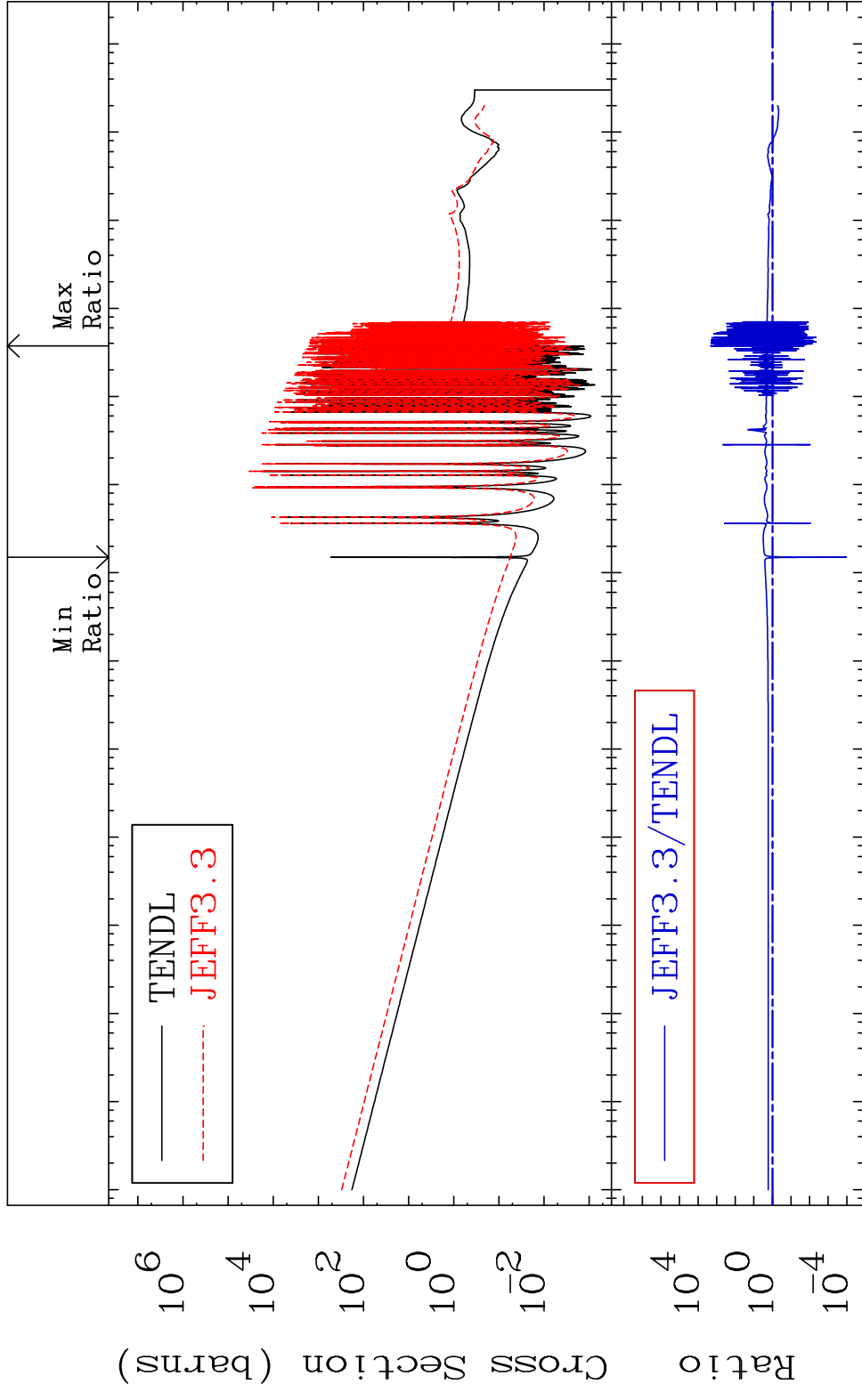
53 Incident Energy (eV) 50-Sn-120

MAT 5049 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-120
 Cross Section -9999. To 76.16 %



MAT 5049

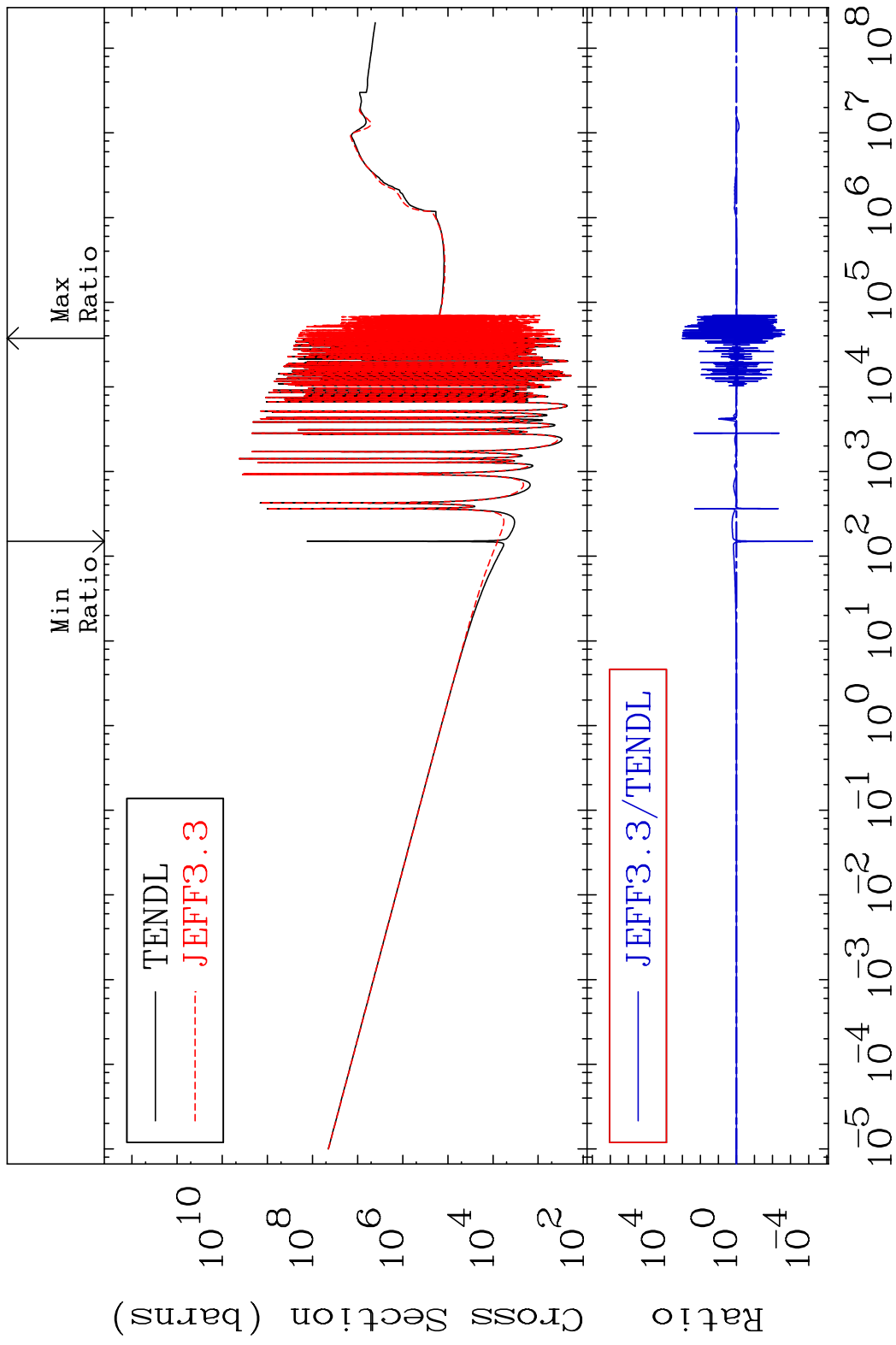
Kerma capture (mt102) 50-Sn-120
Cross Section -99.99 To 9999. %



55

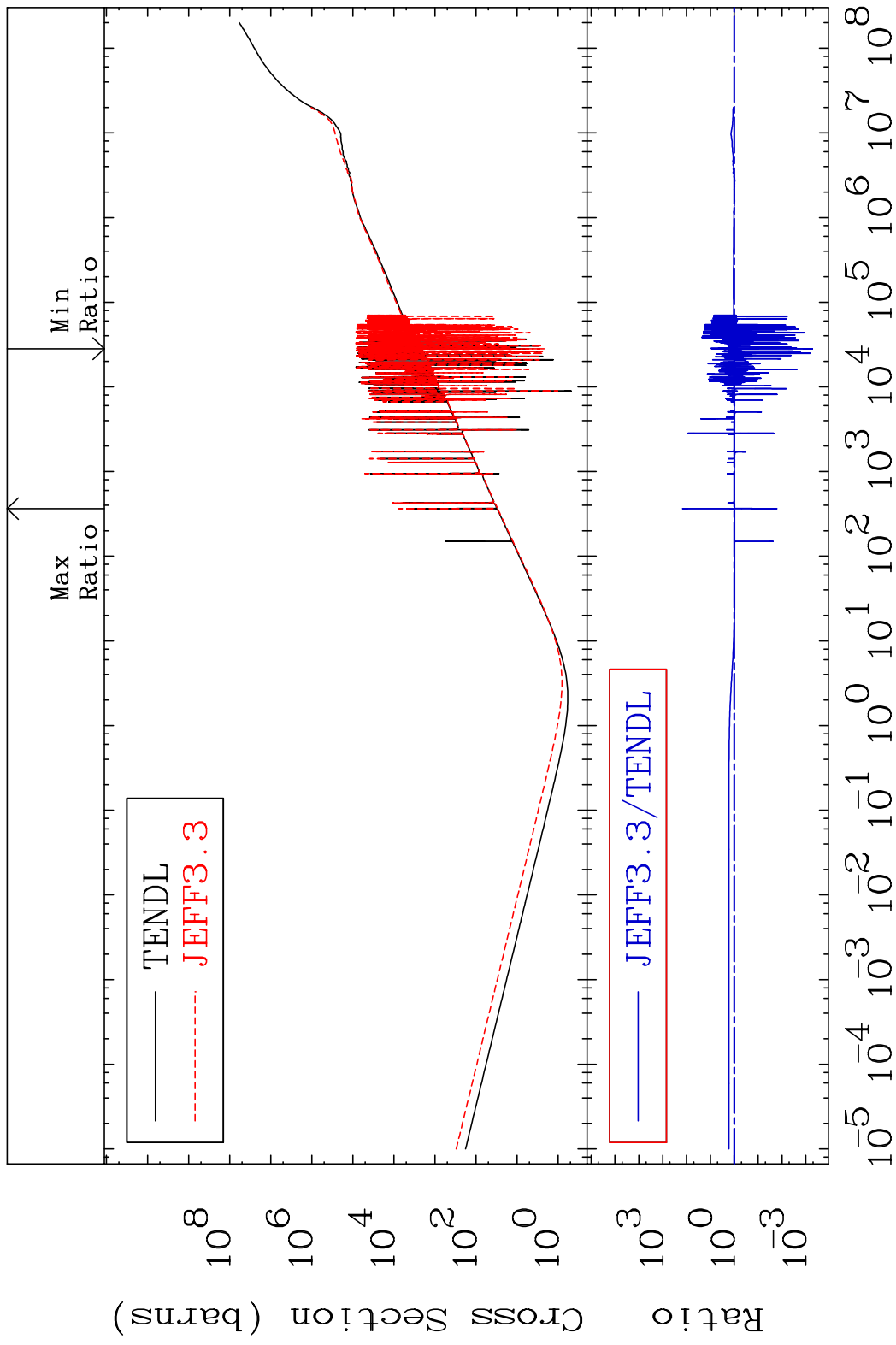
Incident Energy (eV) 50-Sn-120

MAT 5049 Total photon (eV-barns) 50-Sn-120
 Cross Section -99.99 To 9999. %

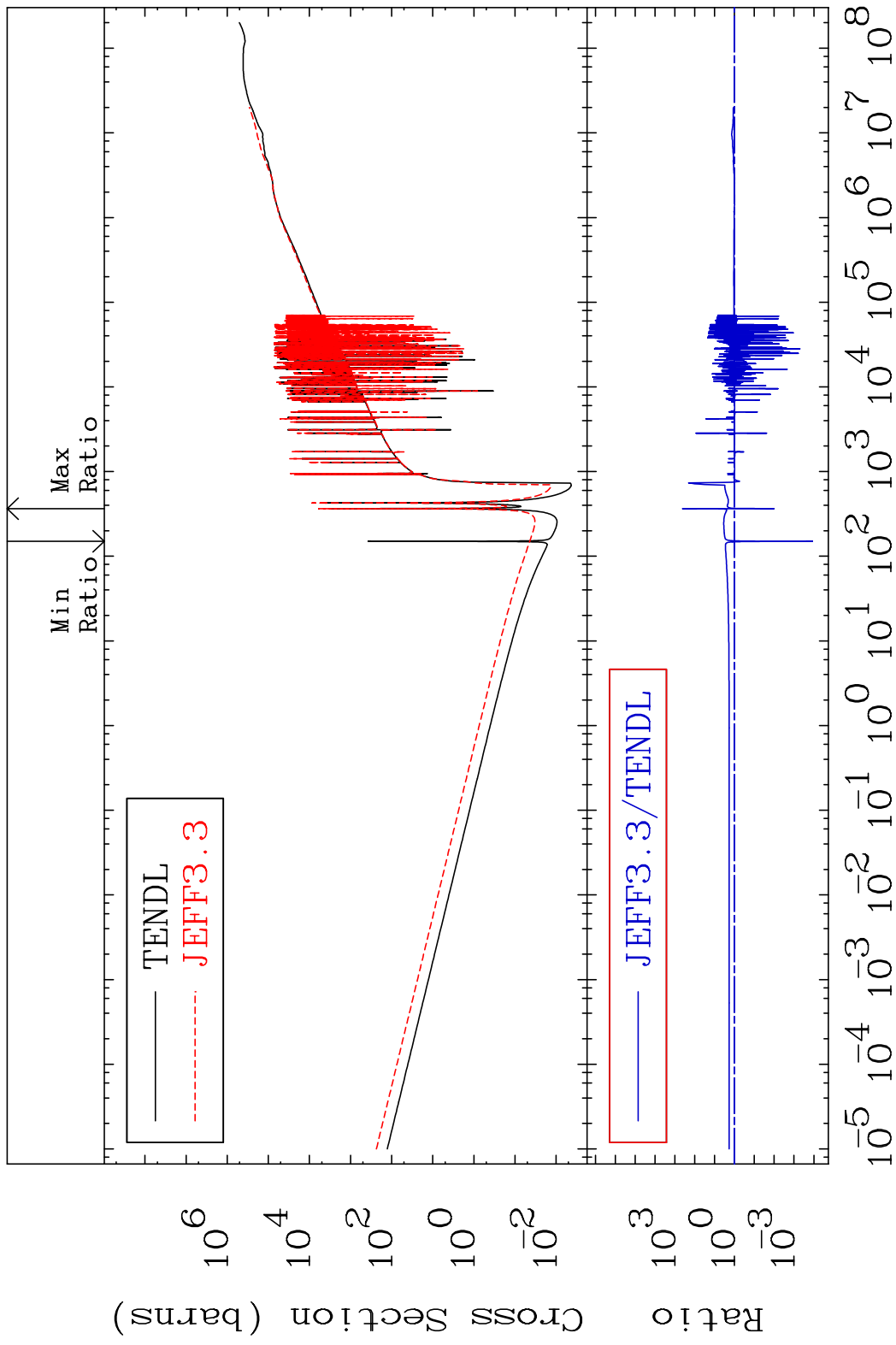


56 Incident Energy (eV) 50-Sn-120

MAT 5049 Total kinematic kerma (high limit) 50-Sn-120
 Cross Section -99.95 To 9999. %



MAT 5049 Dpa total (eV-barns) 50-Sn-120
 Cross Section -99.99 To 9999. %

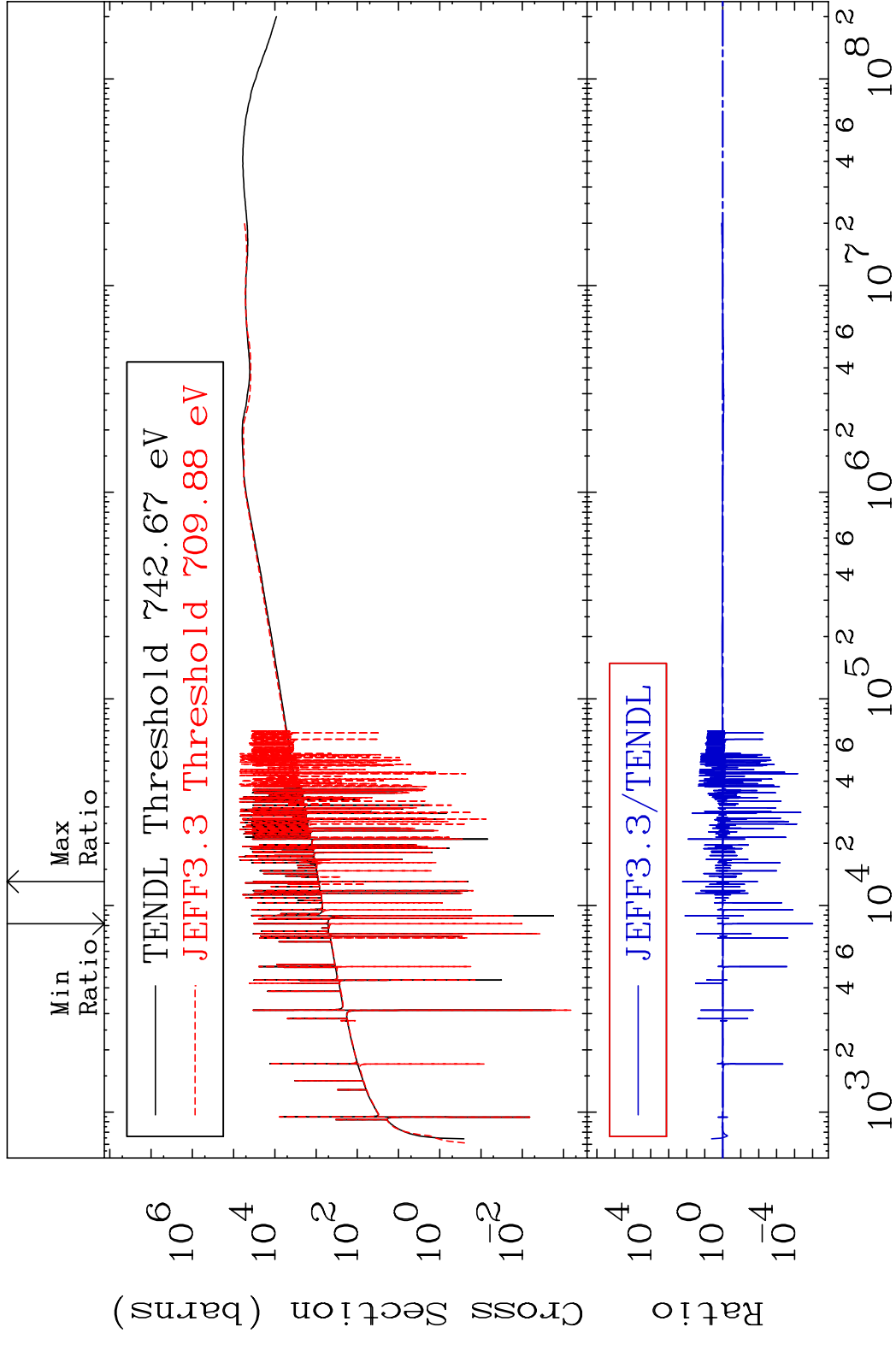


MAT 5049

Dpa elastic (mt2)

50-Sn-120

Cross Section -100.0 To 9999. %



59

Incident Energy (eV)

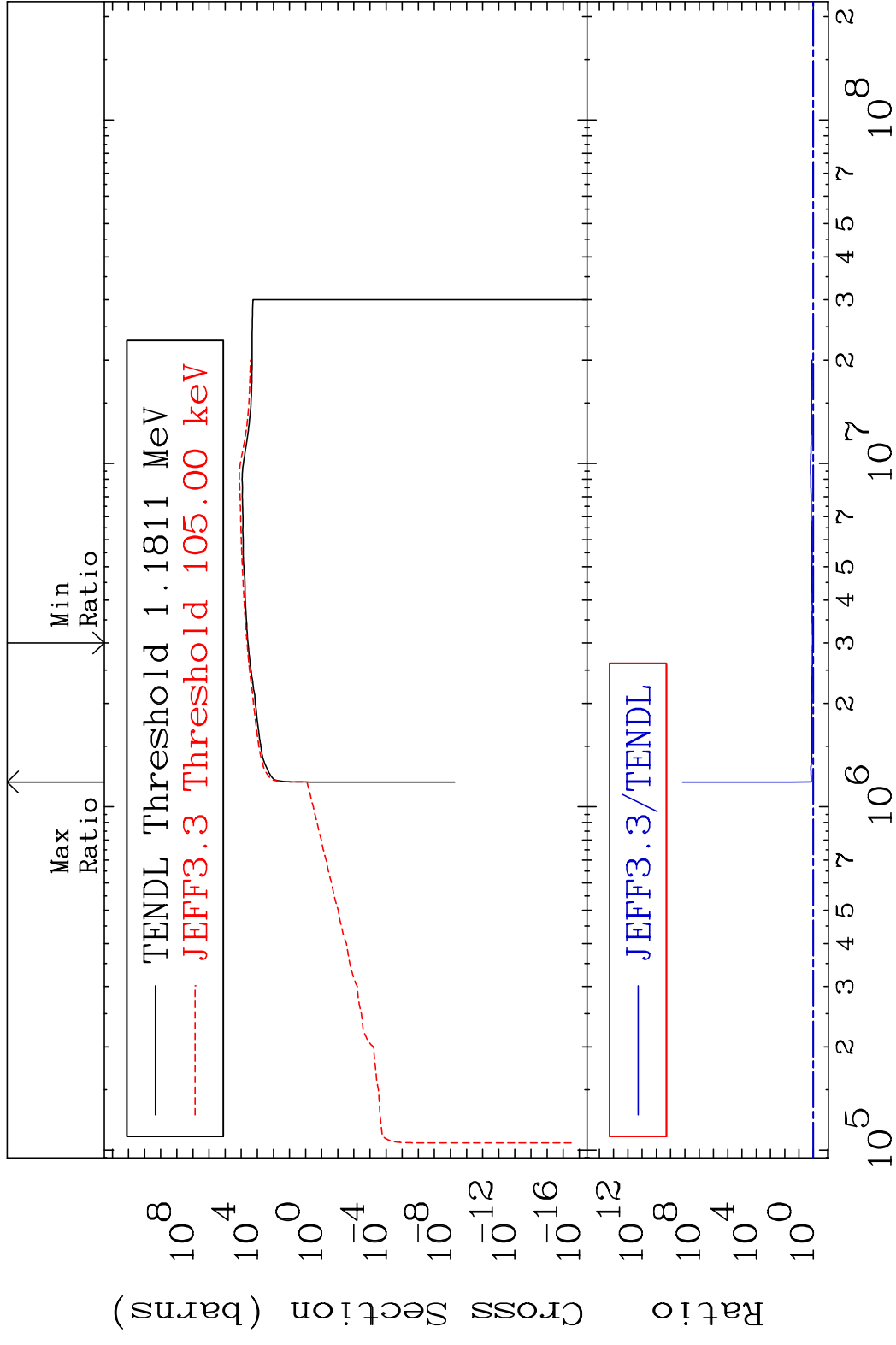
50-Sn-120

MAT 5049

Dpa inelastic (mt51-91)

50-Sn-120

Cross Section 12.50 To 9999. %



60

Incident Energy (eV)

50-Sn-120

MAT 5049 Dpa disappearance (mt102 -120) 50-Sn-120
 Cross Section -99.99 To 9999. %

