

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

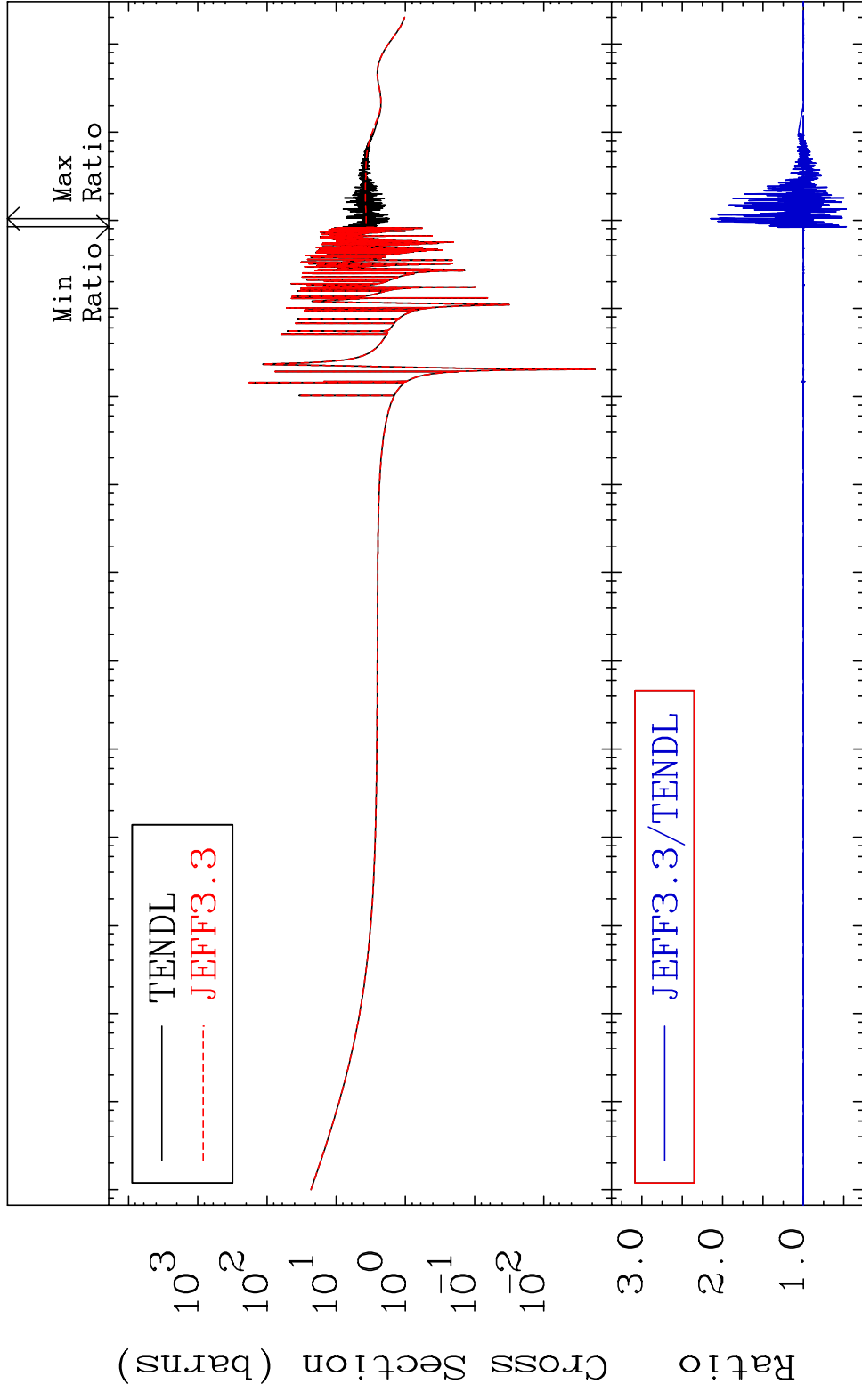
MAT 2437

Total

24-Cr-54

Cross Section

-53.14 To 114.7 %



10³
10²
10¹
10⁰
10⁻¹
10⁻²
3.0
2.0
1.0
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

1 Incident Energy (eV)

24-Cr-54

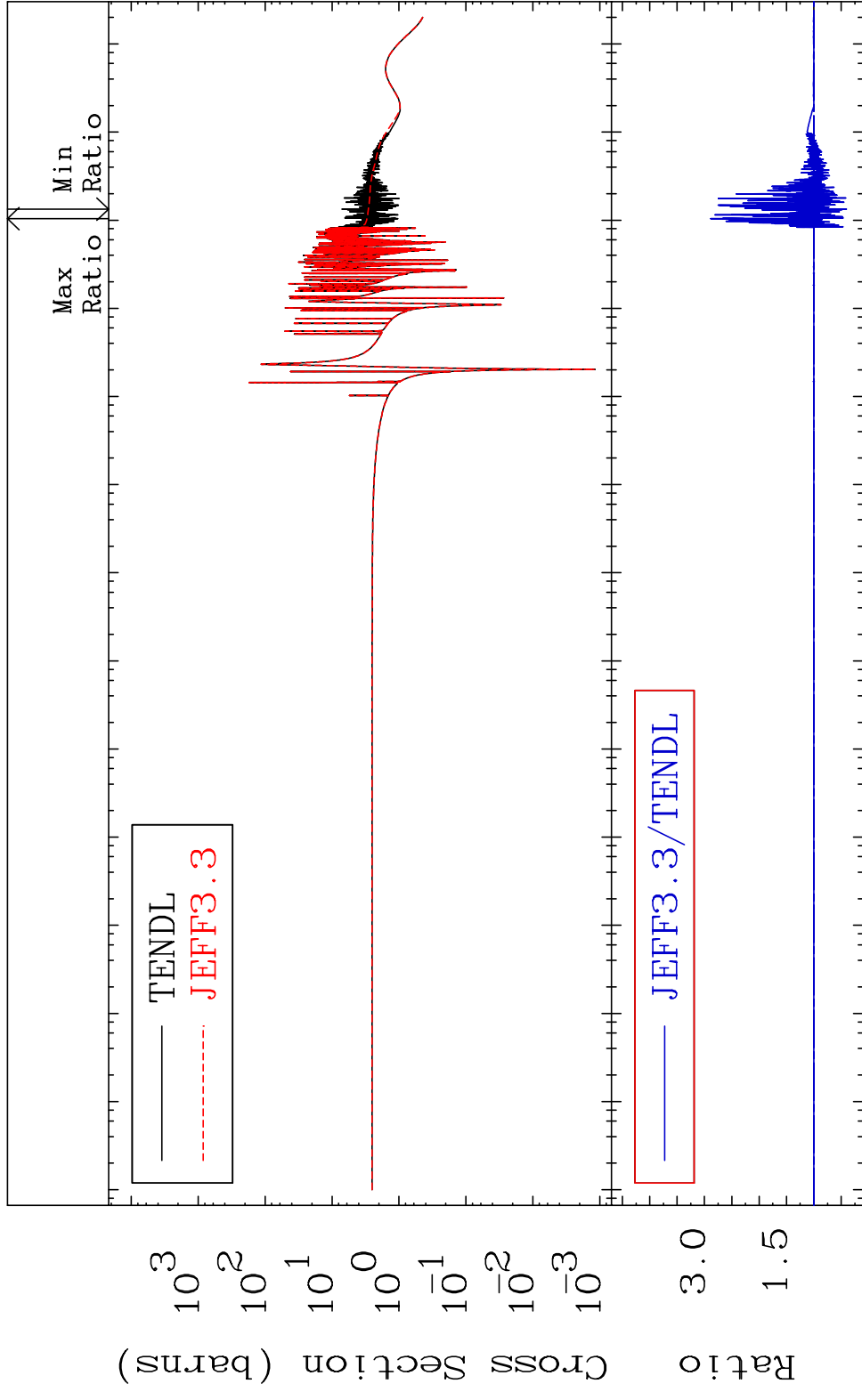
MAT 2437

Elastic

²⁴Cr-54

Cross Section

-59.41 To 188.6 %



Cross Section (barns)

10^3
 10^2
 10^1
 10^0
 10^{-1}
 10^{-2}
 10^{-3}

Ratio

3.0
1.5

Incident Energy (eV)

10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

2

Incident Energy (eV)

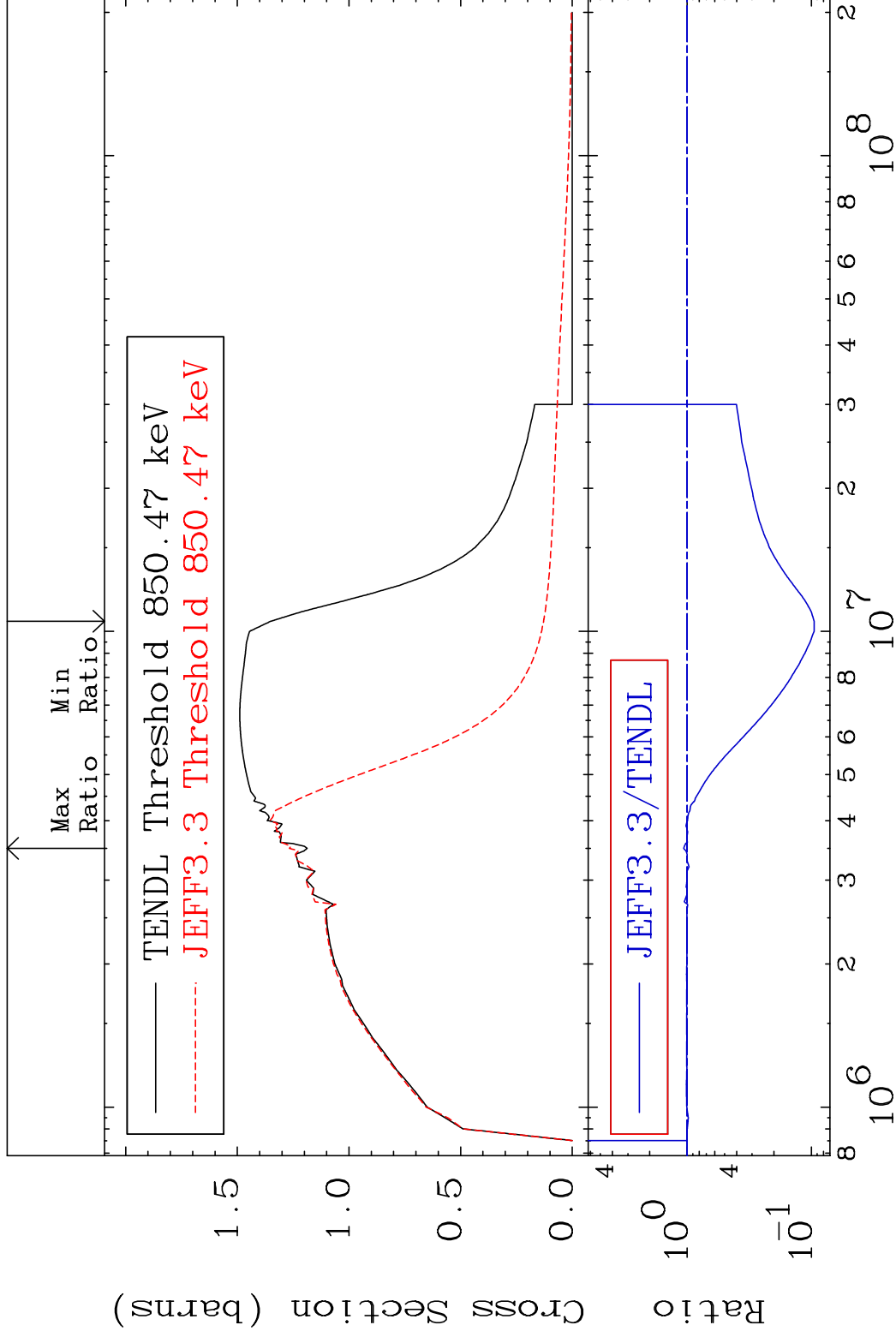
²⁴Cr-54

MAT 2437

Inelastic

24-Cr-54

Cross Section -90.49 To 6.653 %



3

Incident Energy (eV)

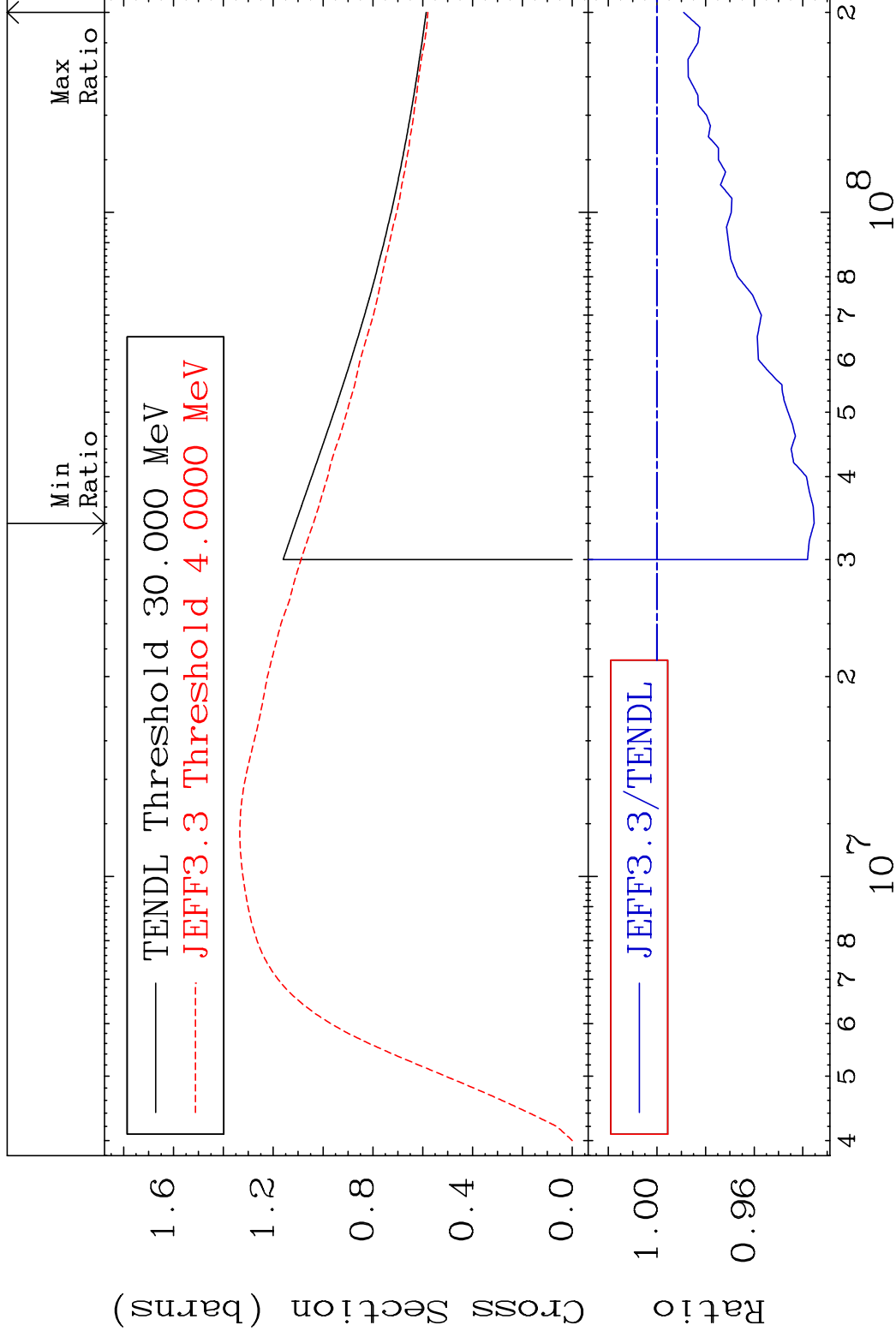
24-Cr-54

MAT 2437

(n, remainder)

²⁴Cr-54

Cross Section -6.464 To -1.096%



4

Incident Energy (eV)

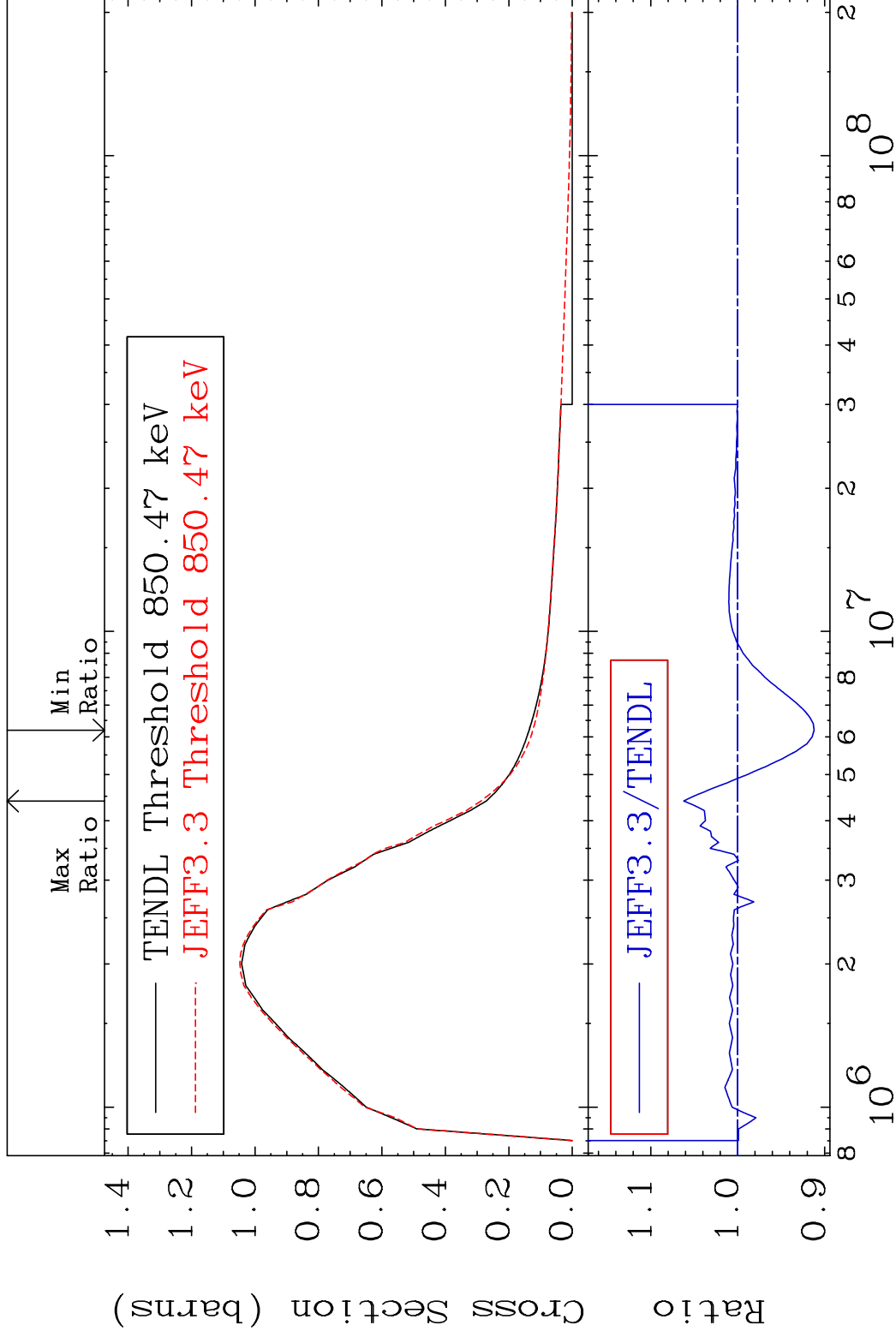
²⁴Cr-54

MAT 2437

MT= 51 (n, n') Level

24-Cr-54

Cross Section -8.794 To 6.208 %



5

Incident Energy (eV)

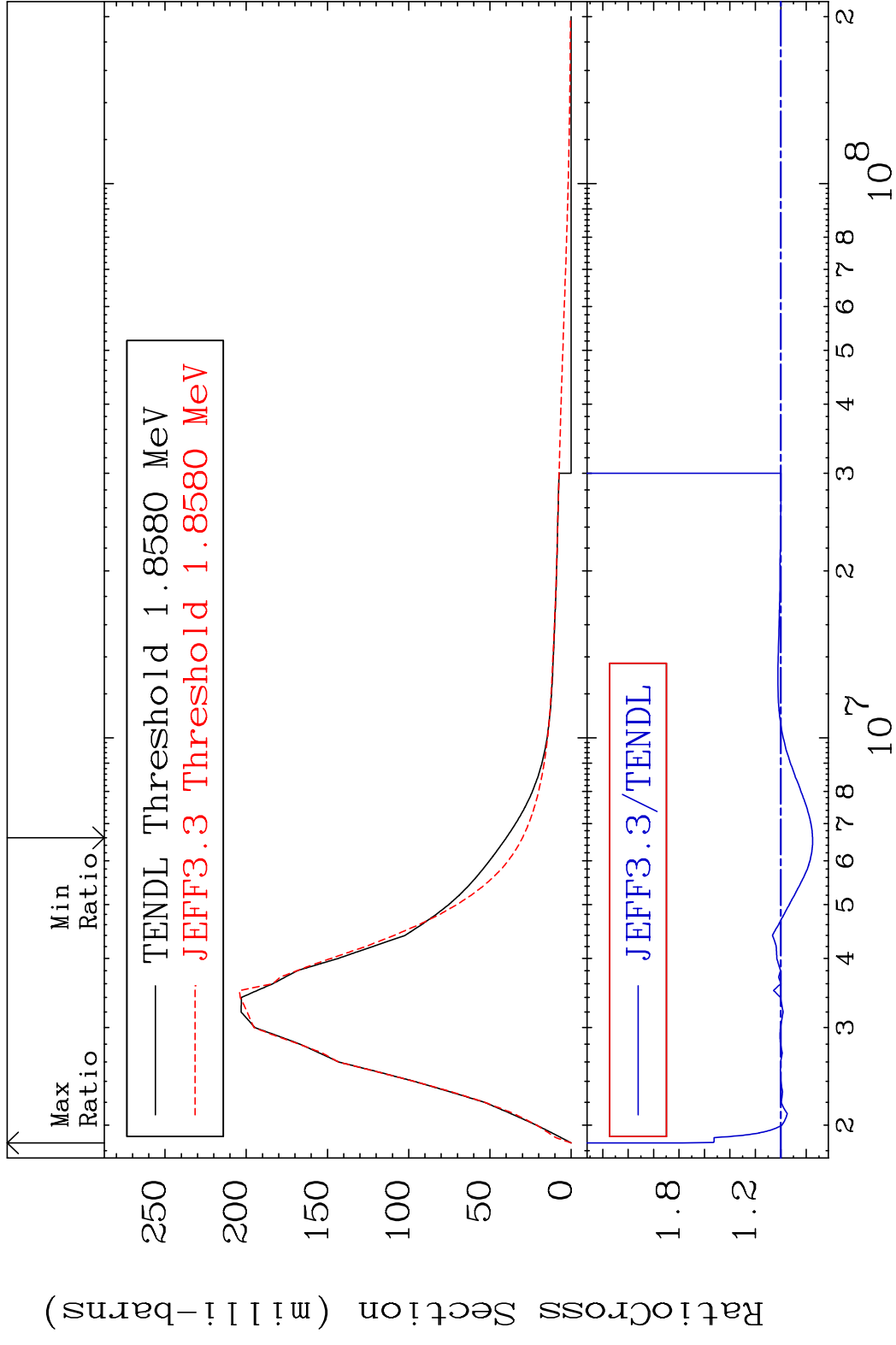
24-Cr-54

MAT 2437

MT= 52 (n, n') Level

24-Cr-54

Cross Section -24.96 To 77.39 %

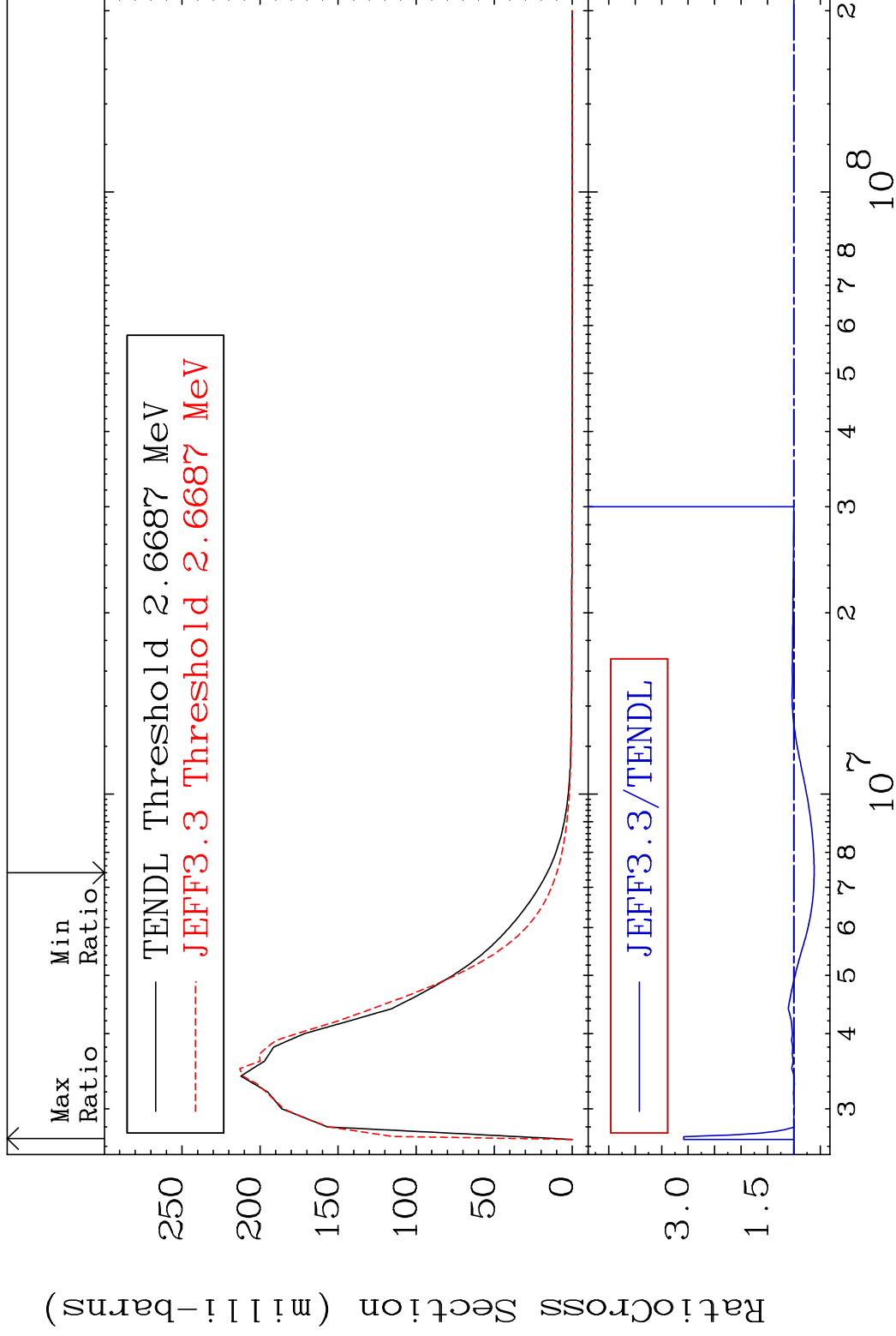


MAT 2437

MT= 53 (n, n') Level

24-Cr-54

Cross Section -38.18 To 208.5 %

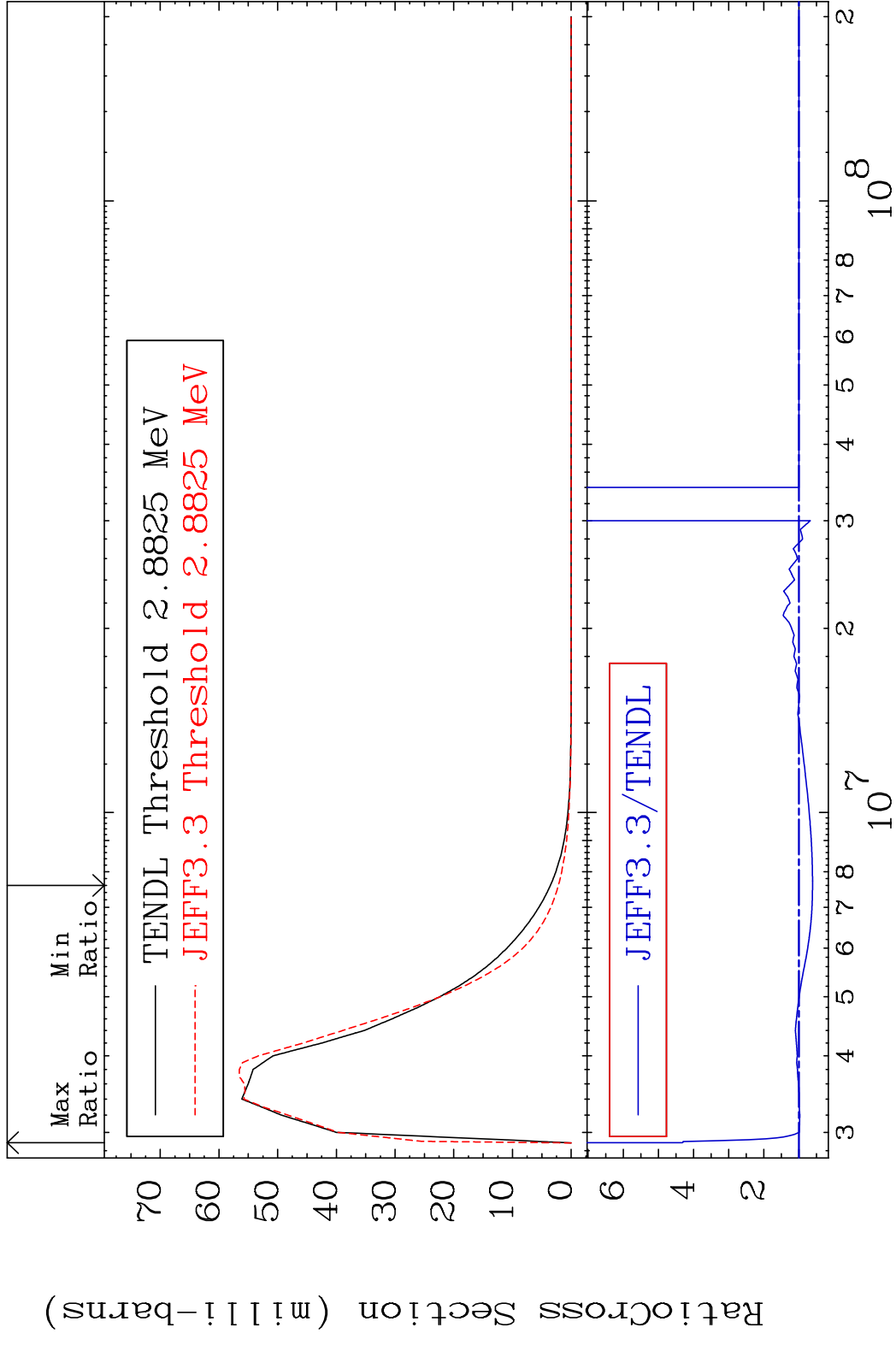


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Incident Energy (eV)

24-Cr-54

MAT 2437 MT= 54 (n,n') Level 24-Cr-54
 Cross Section -38.51 To 331.8 %

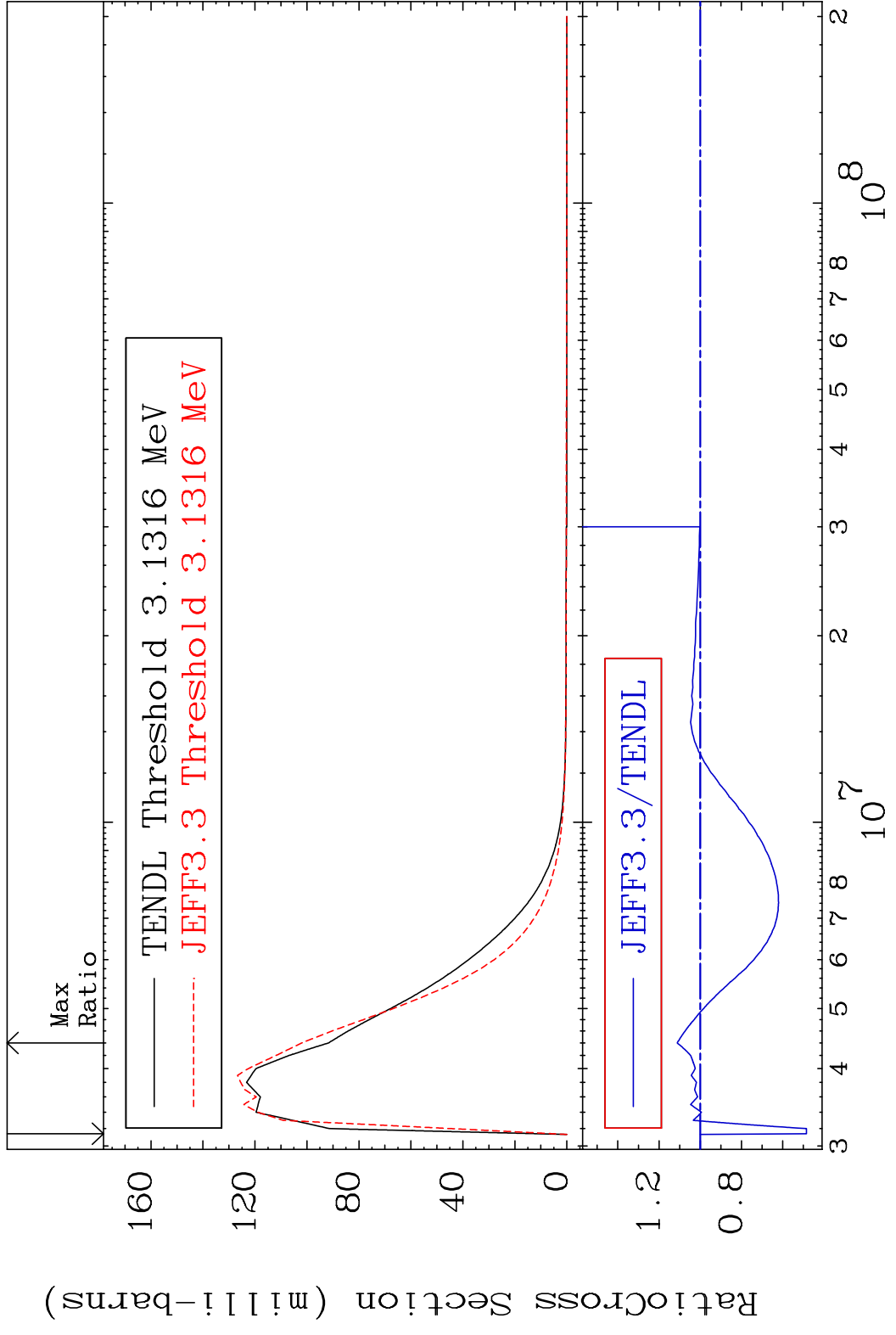


MAT 2437

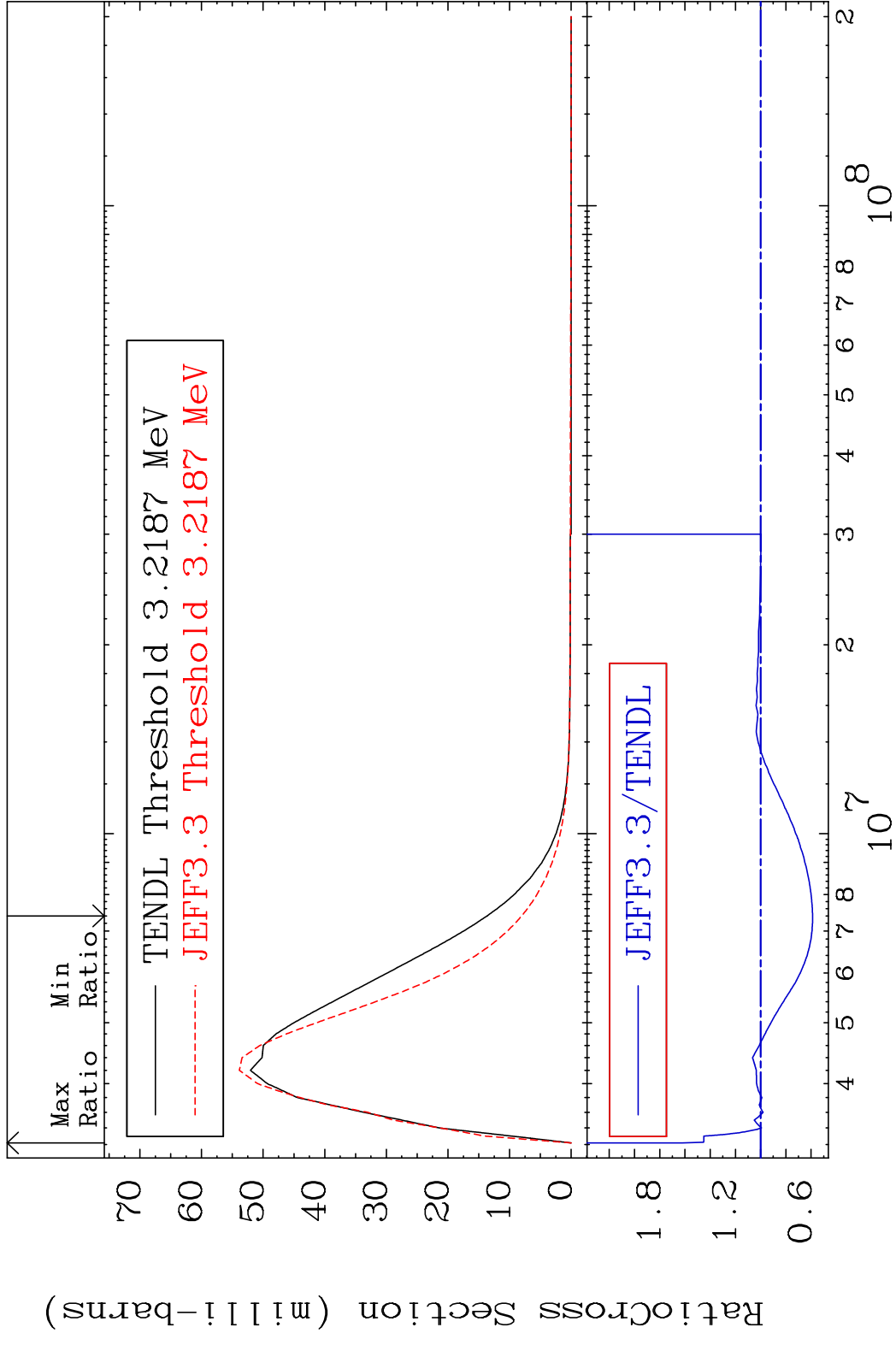
MT= 55 (n, n') Level

24-Cr-54

Cross Section -51.46 To 11.20 %

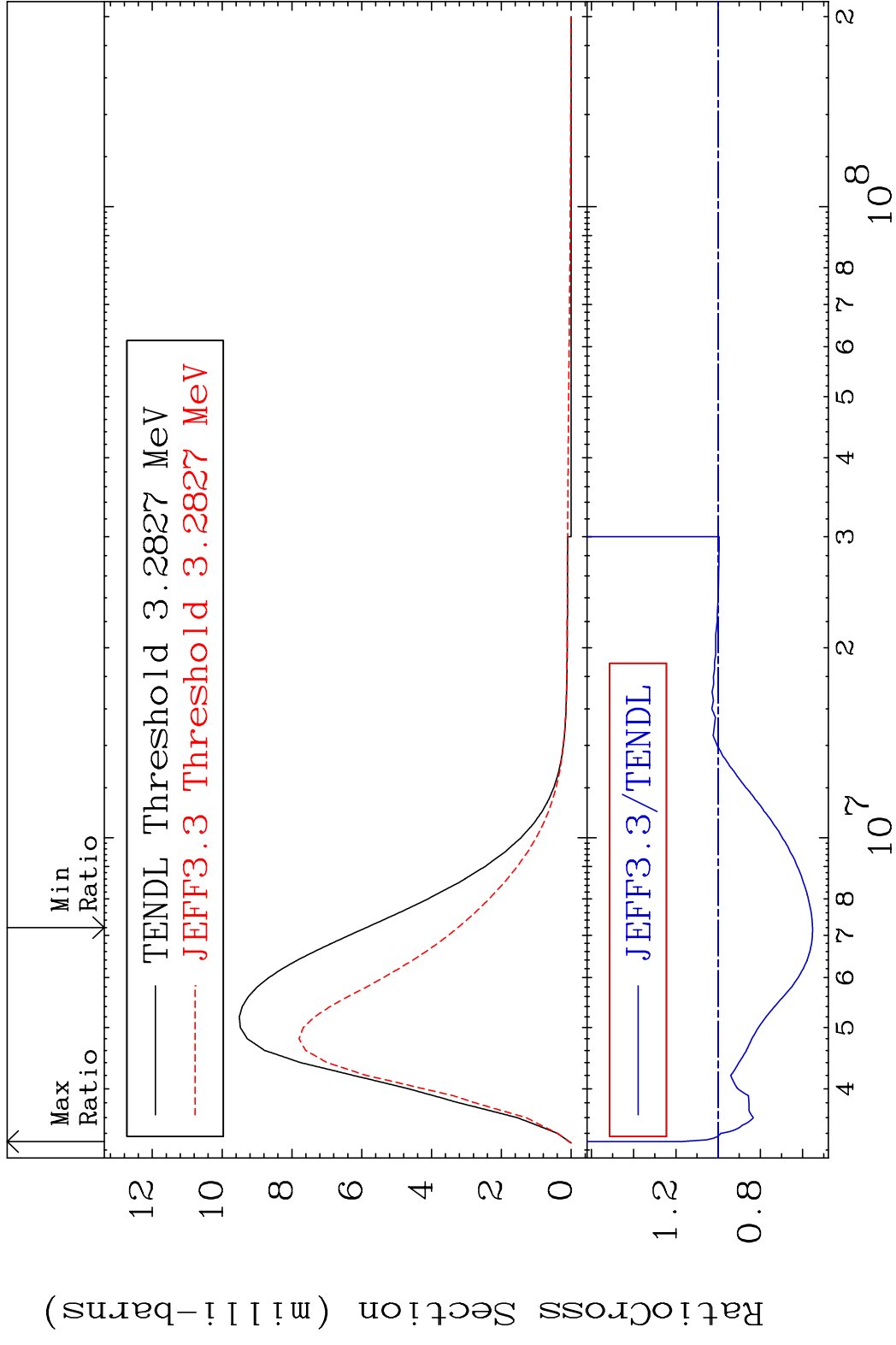


MAT 2437 MT= 56 (n,n') Level 24-Cr-54
 Cross Section -41.16 To 62.07 %



10 24-Cr-54

MAT 2437 MT= 57 (n,n') Level 24-Cr-54
 Cross Section -44.71 To 16.95 %

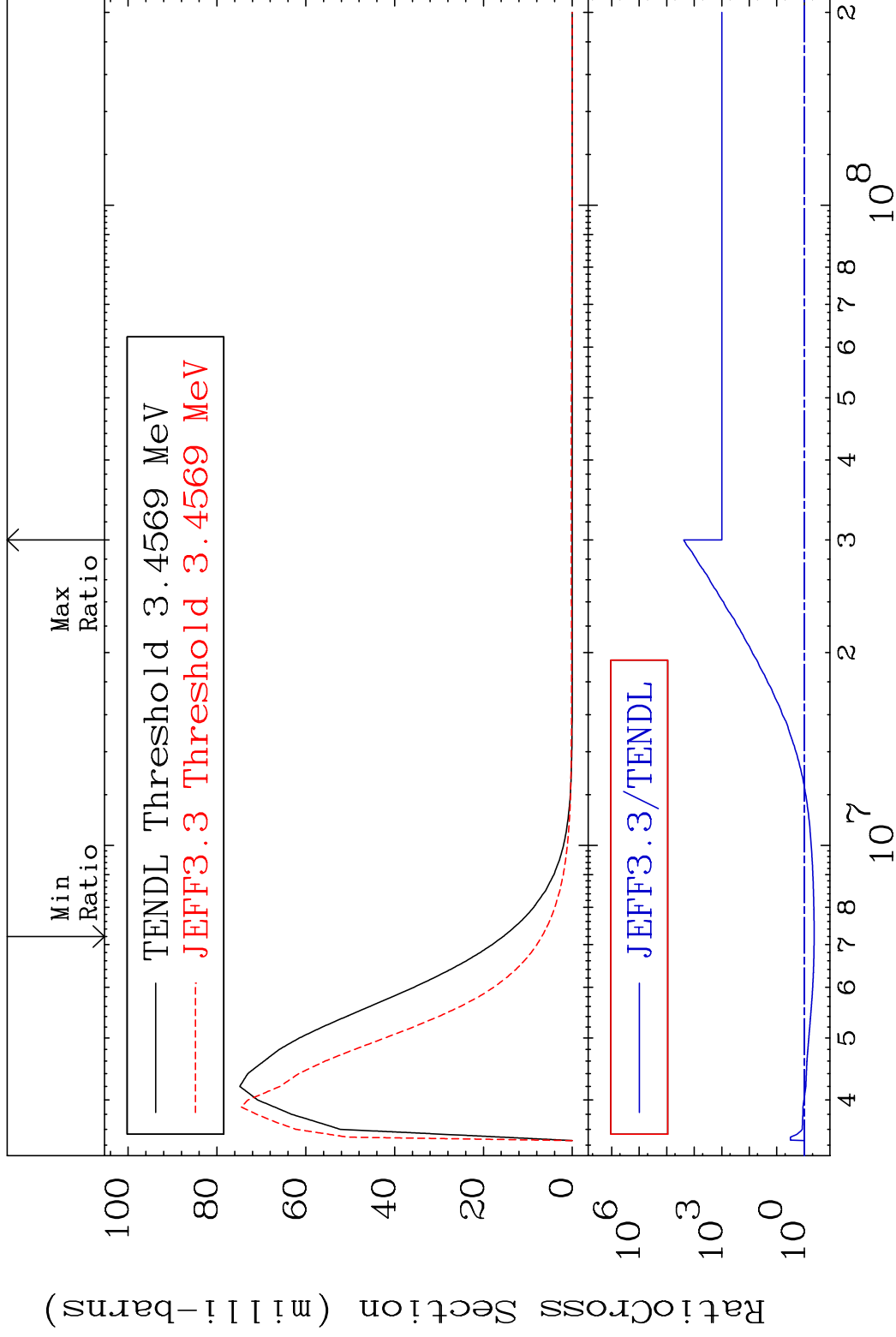


MAT 2437

MT= 58 (n, n') Level

24-Cr-54

Cross Section -55.97 To 9999. %



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Incident Energy (eV)

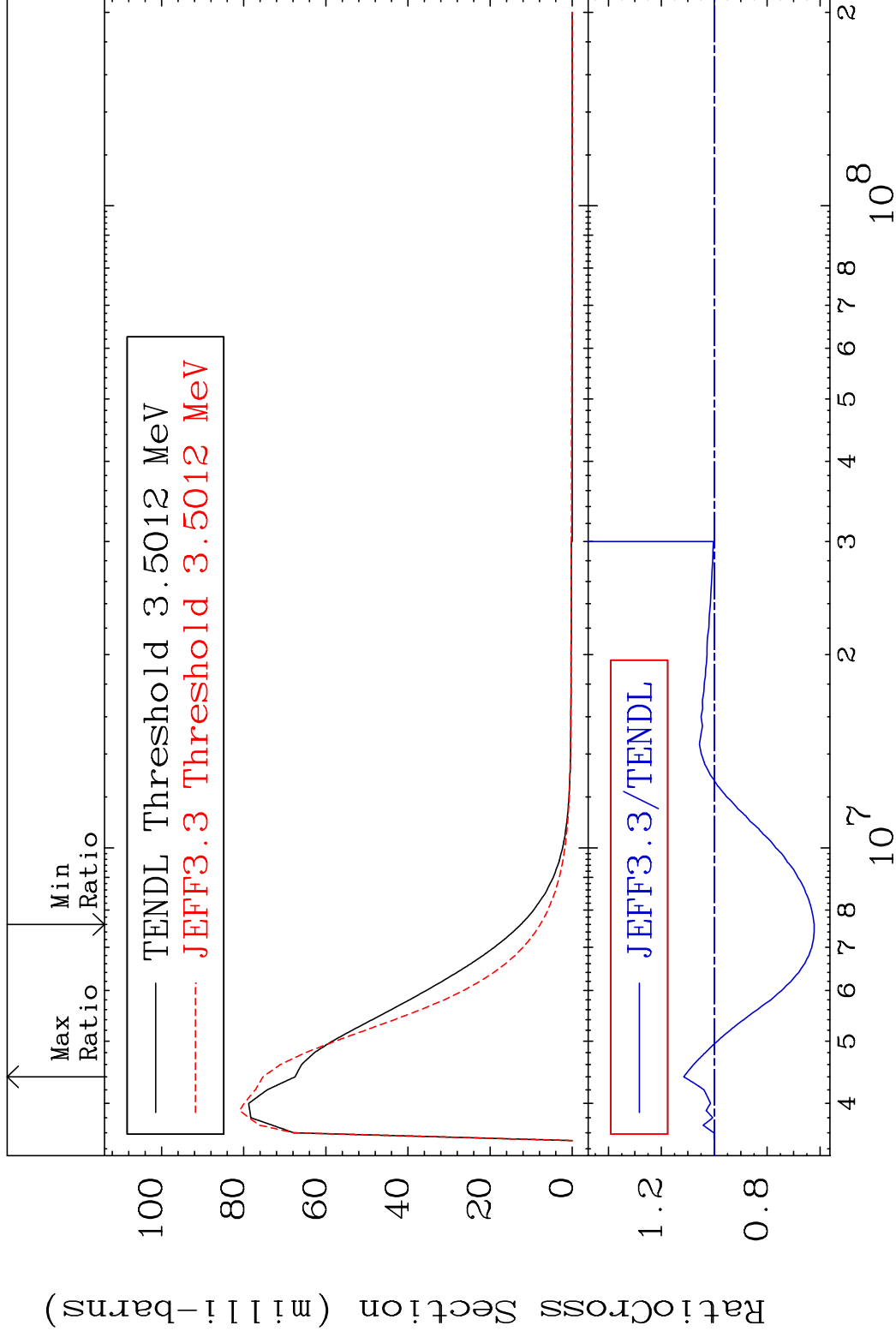
24-Cr-54

MAT 2437

MT= 59 (n,n') Level

24-Cr-54

Cross Section -37.73 To 11.57 %

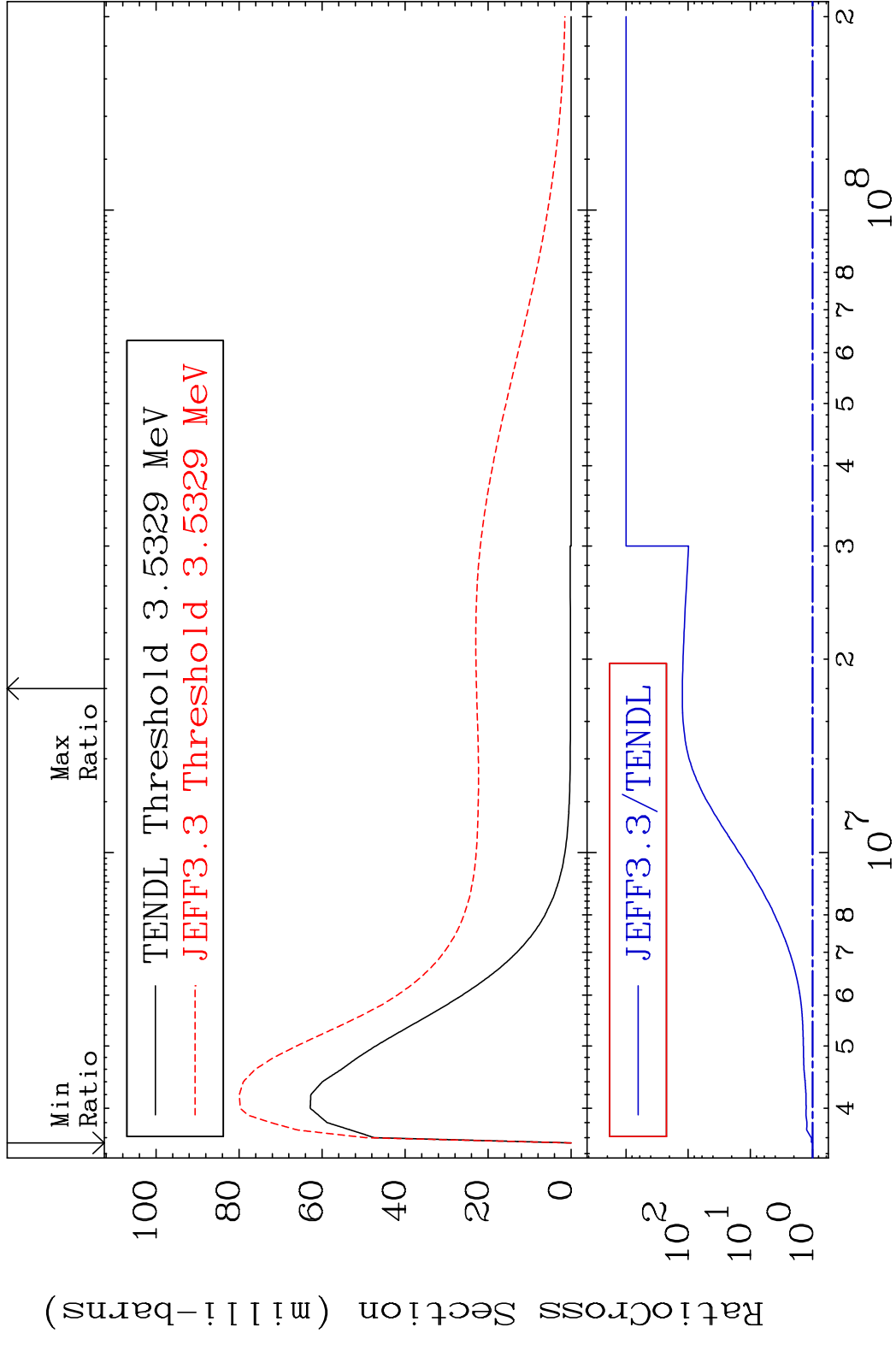


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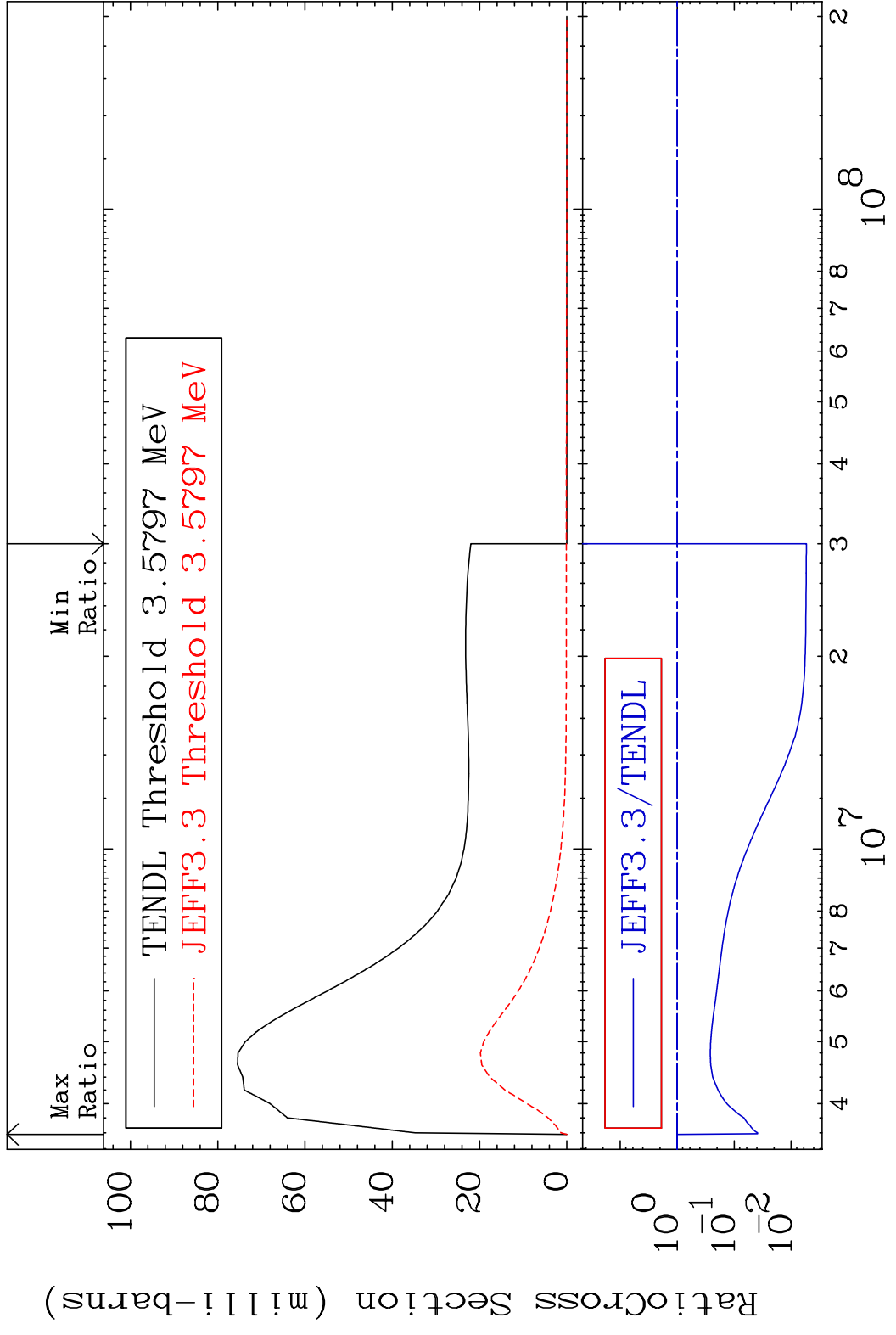
Incident Energy (eV)

24-Cr-54

MAT 2437 MT= 60 (n, n') Level 24-Cr-54
 Cross Section 0.000 To 9999. %



MAT 2437 MT= 61 (n,n') Level 24-Cr-54
 Cross Section -99.46 To 0.000 %

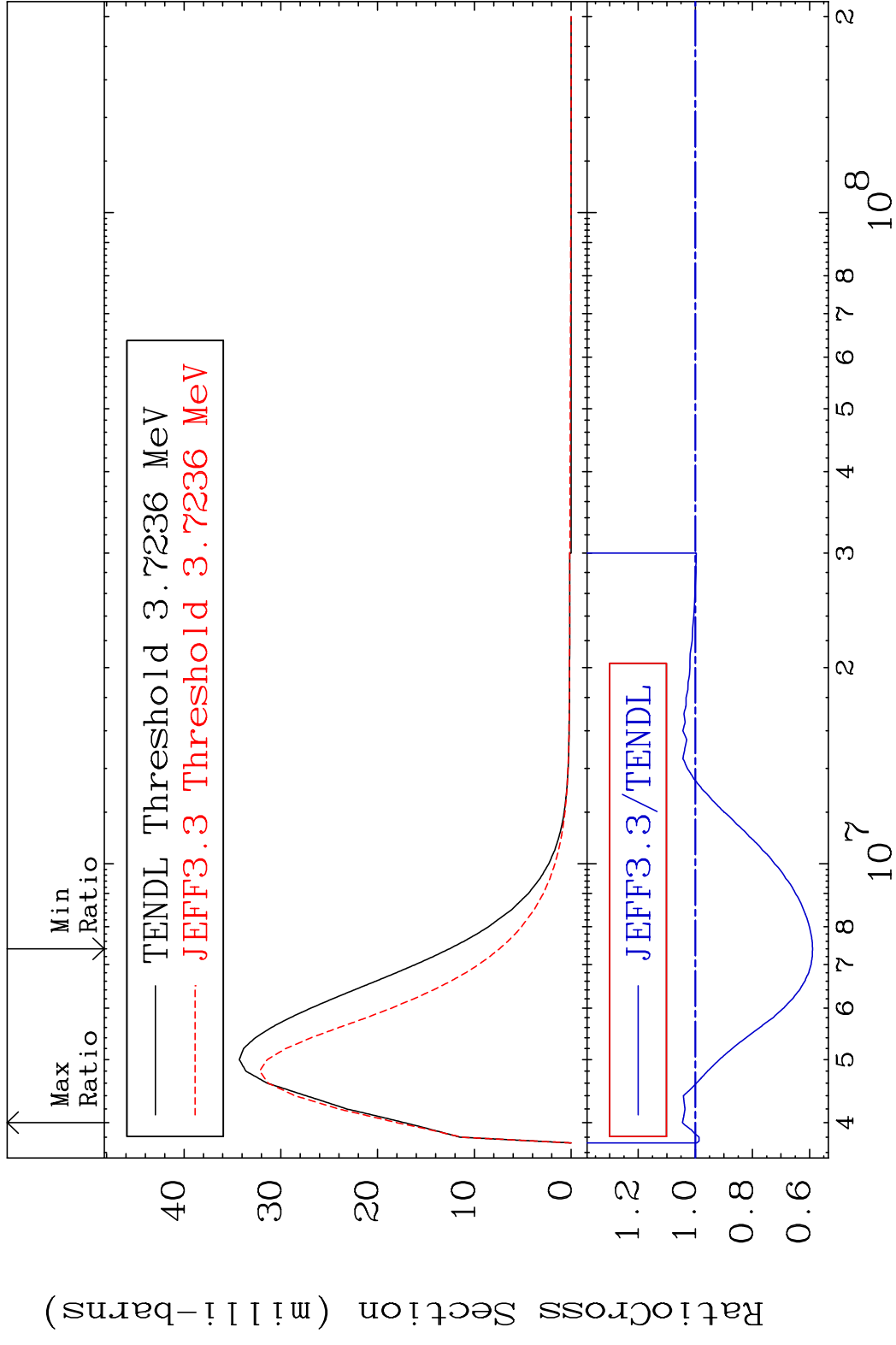


MAT 2437

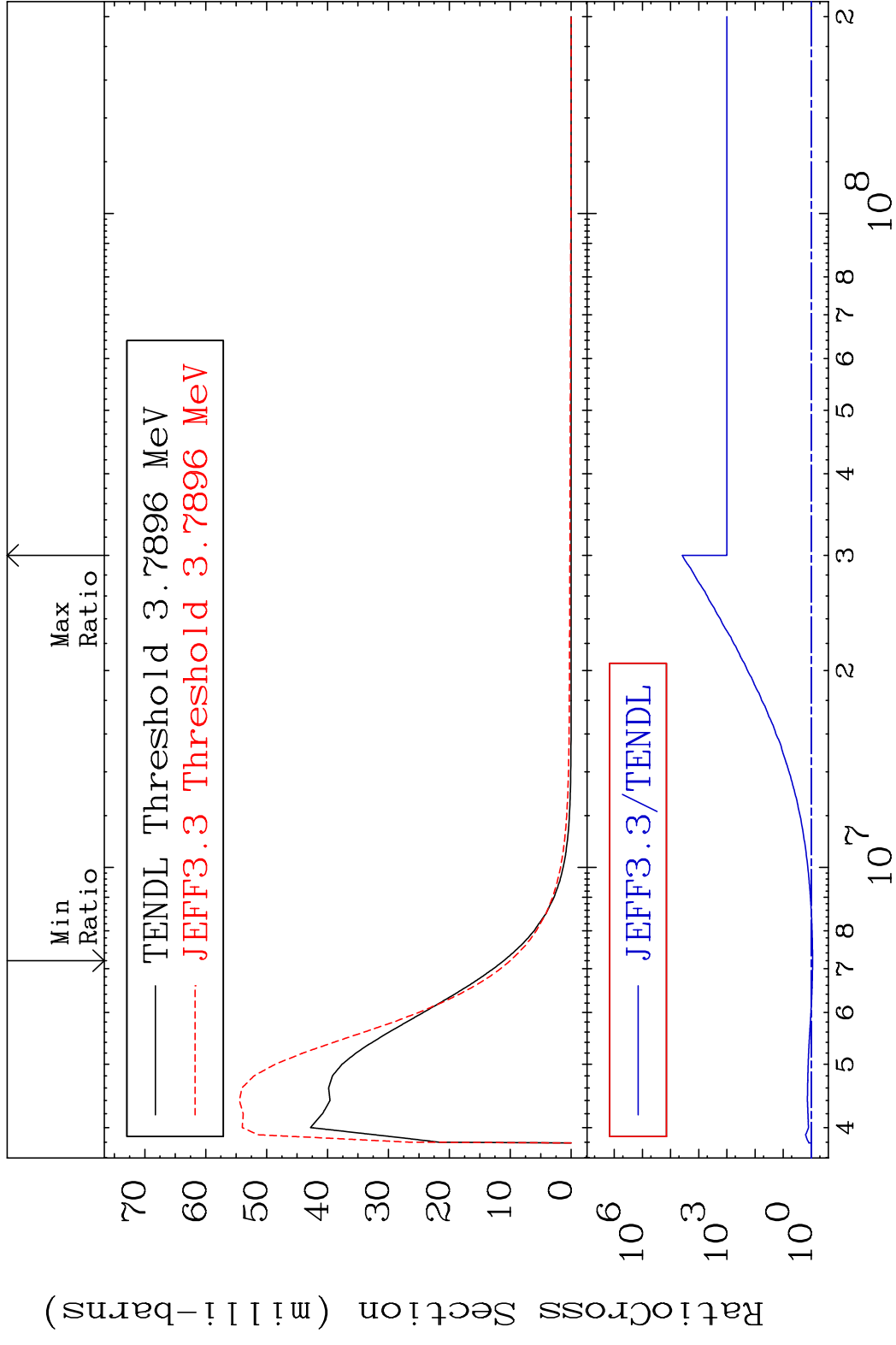
MT= 62 (n, n') Level

24-Cr-54

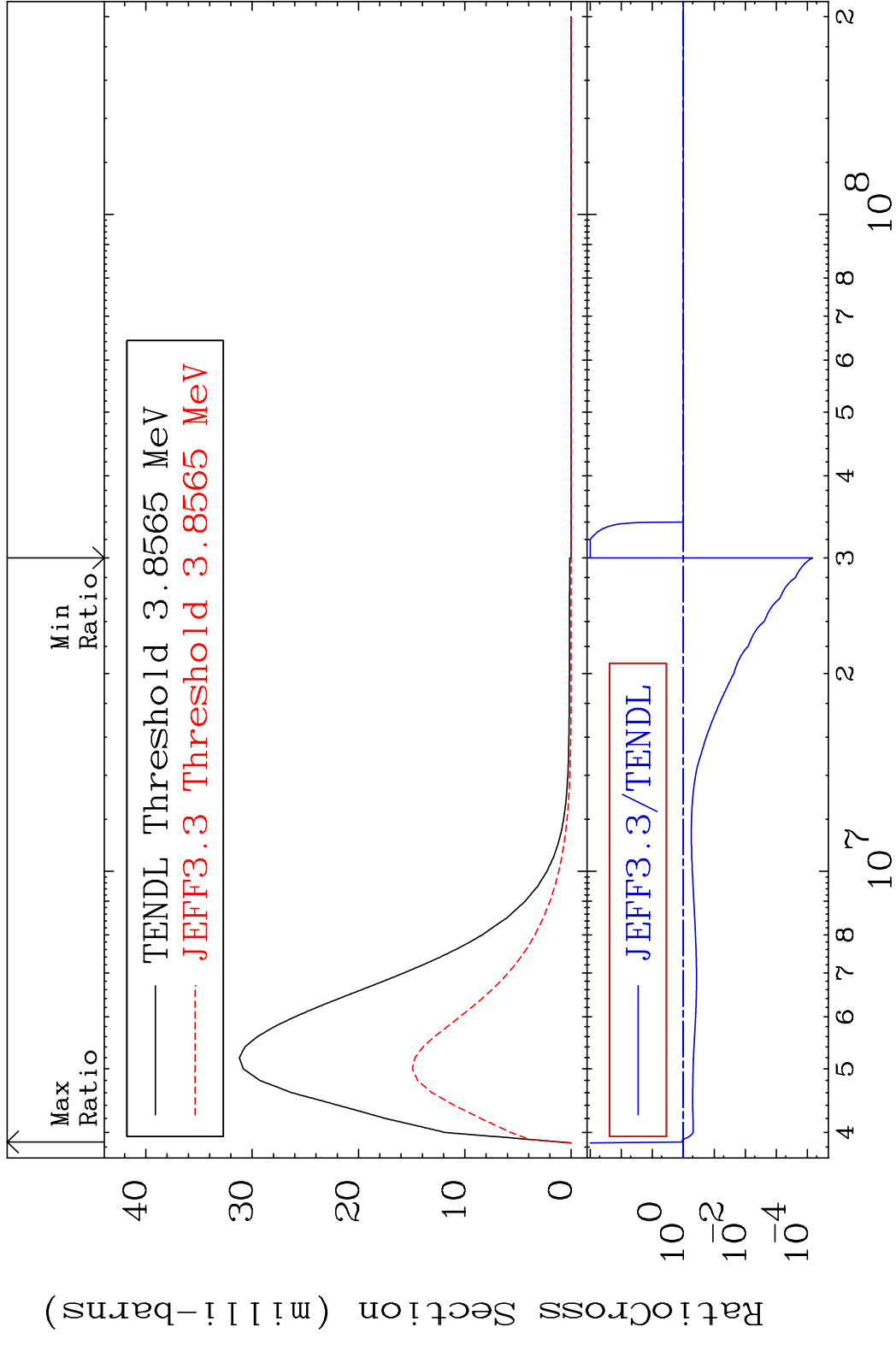
Cross Section -41.06 To 4.545 %



MAT 2437 MT= 63 (n, n') Level 24-Cr-54
 Cross Section -9.618 To 9999. %



MAT 2437 MT= 64 (n, n') Level 24-Cr-54
 Cross Section -99.99 To 7.470 %

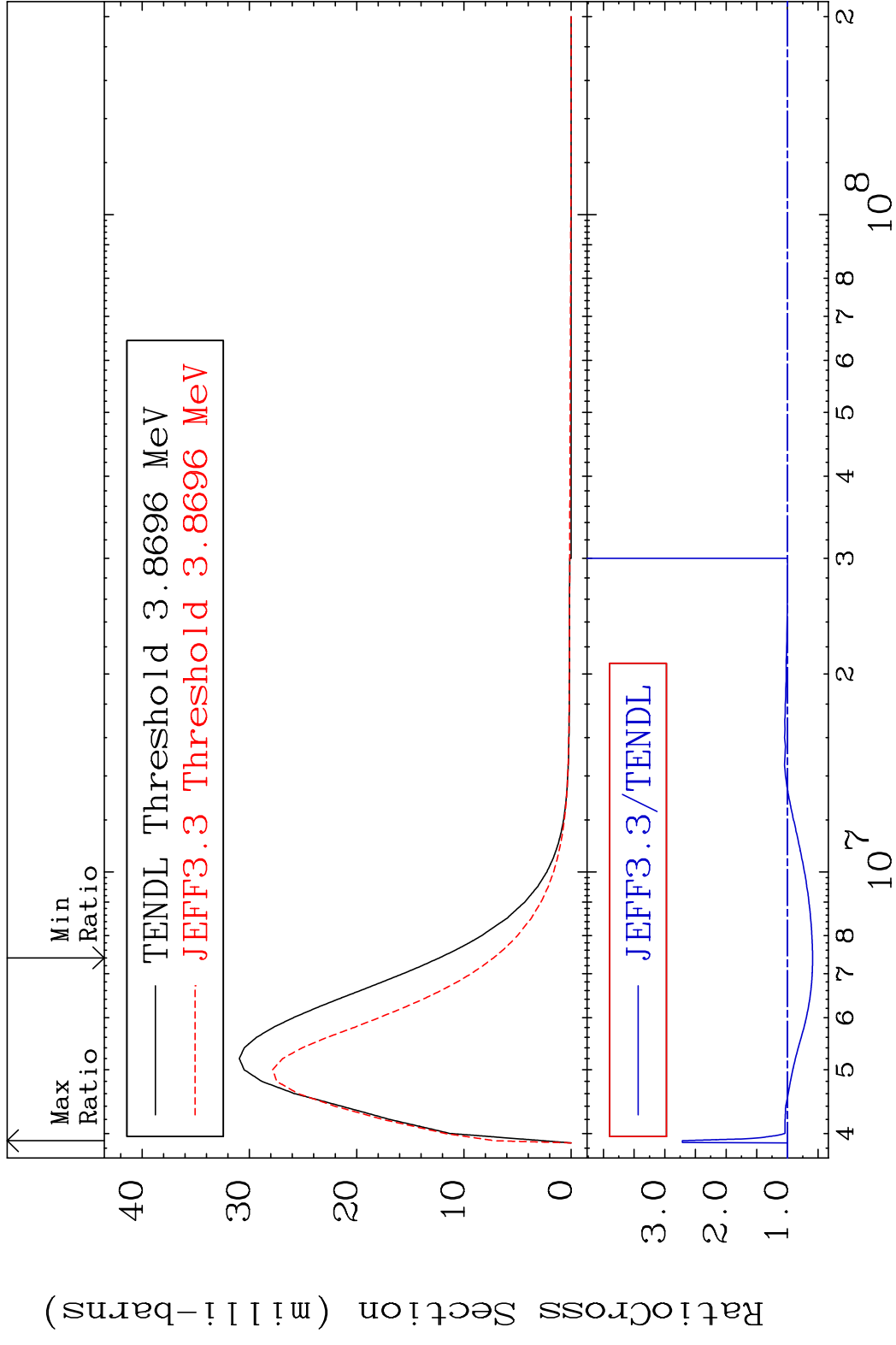


MAT 2437

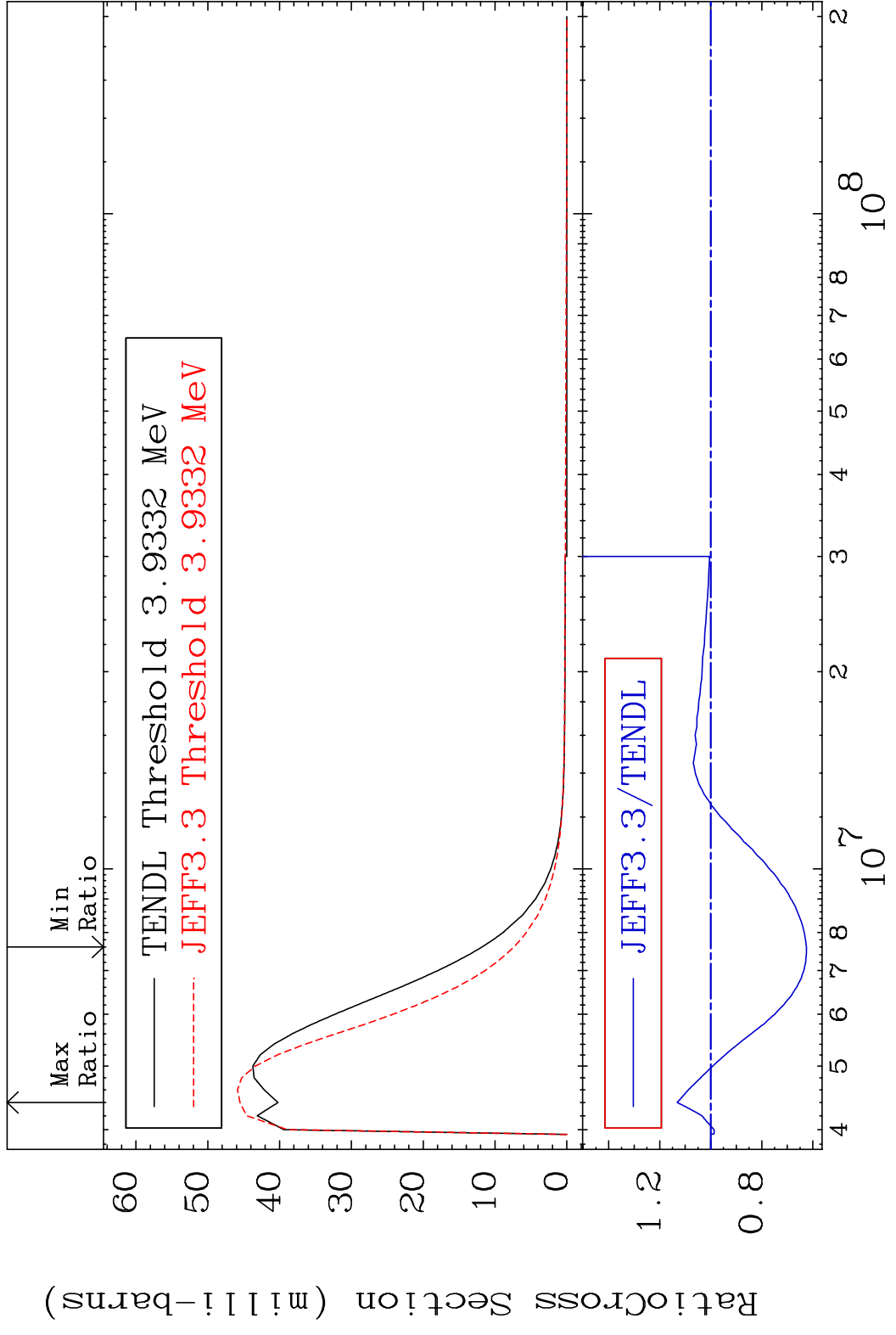
MT= 65 (n, n') Level

²⁴Cr-54

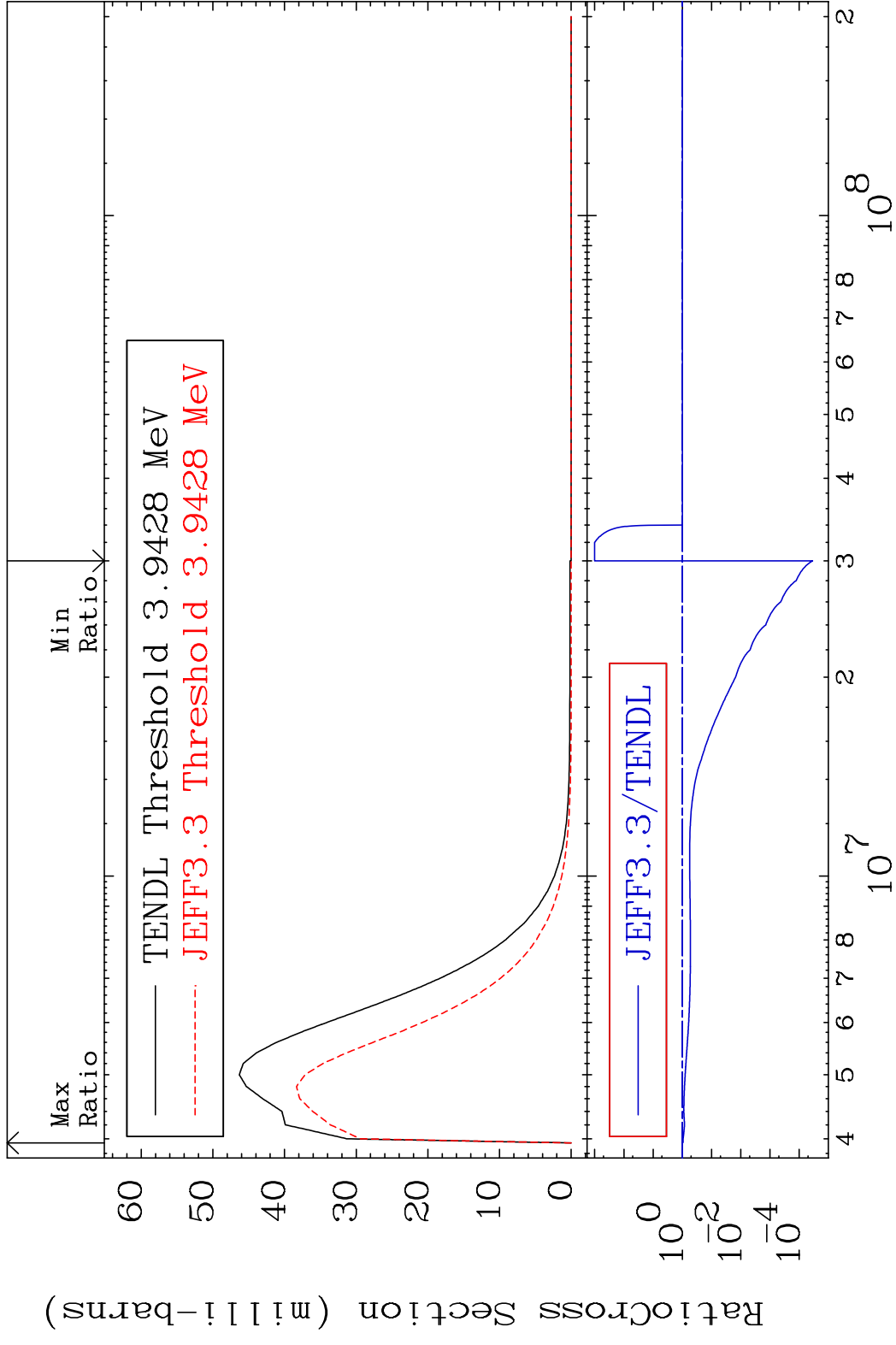
Cross Section -41.02 To 171.4 %



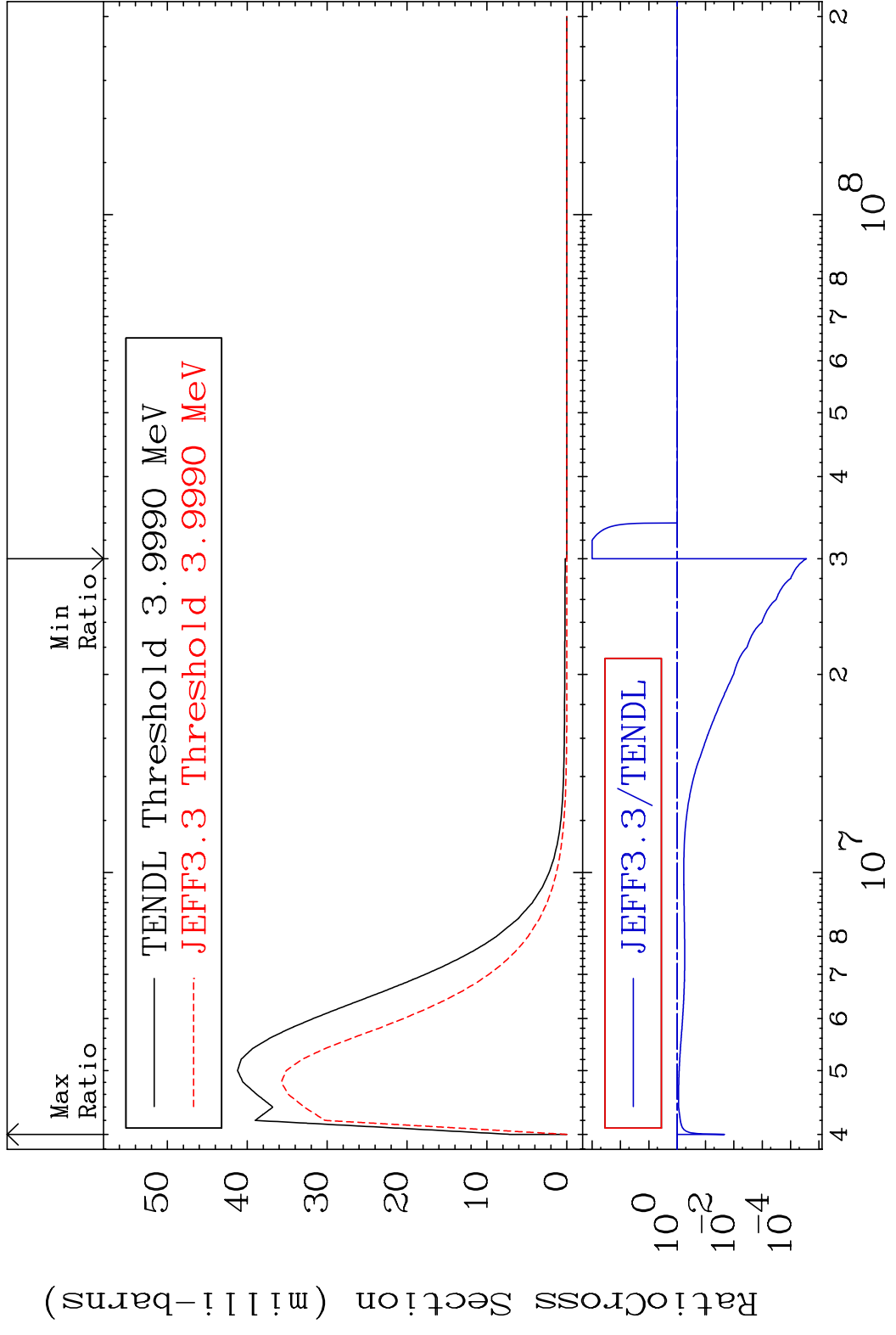
MAT 2437 MT= 66 (n,n') Level 24-Cr-54
 Cross Section -37.50 To 13.15 %



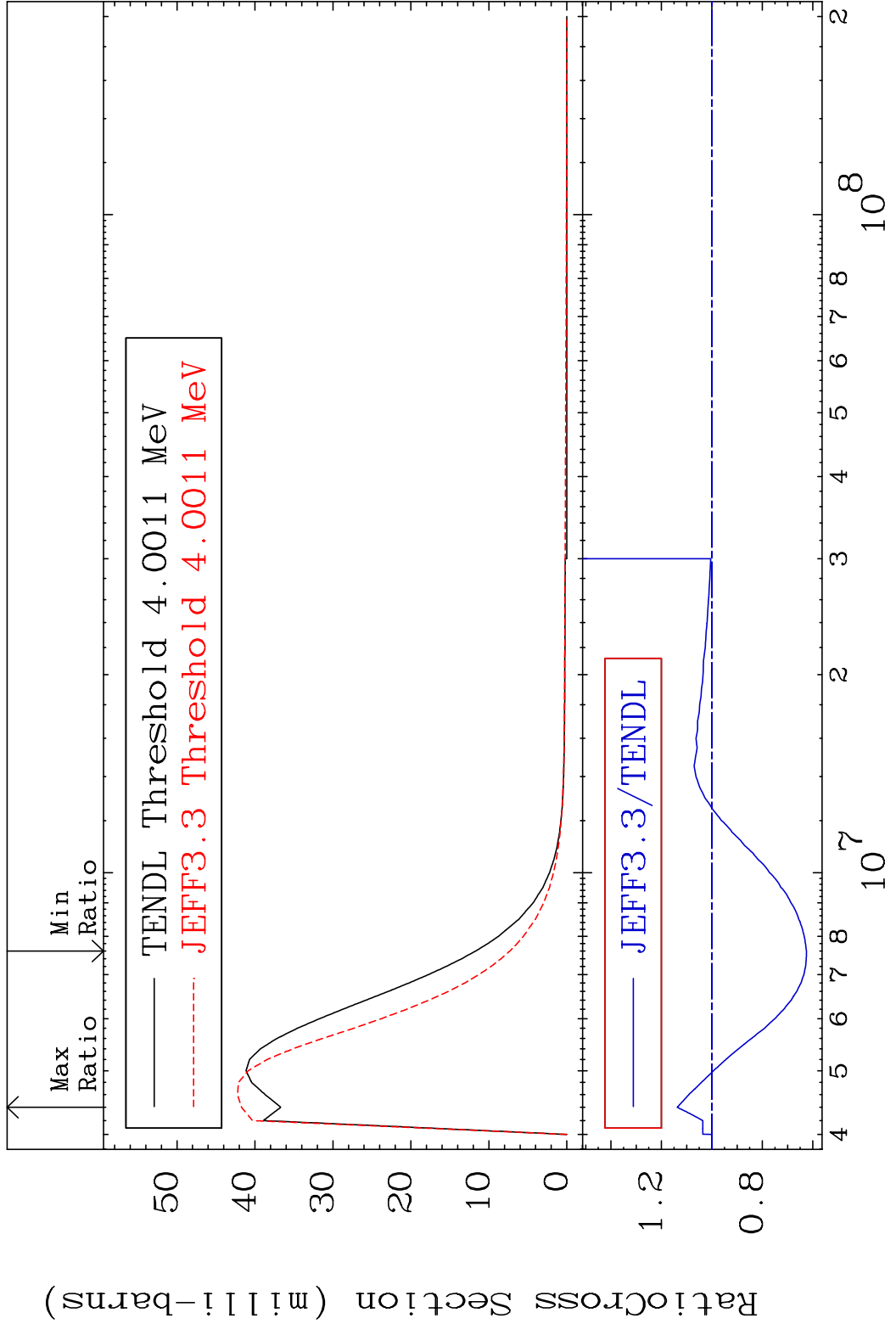
MAT 2437 MT= 67 (n, n') Level 24-Cr-54
 Cross Section -100.0 To 0.000 %



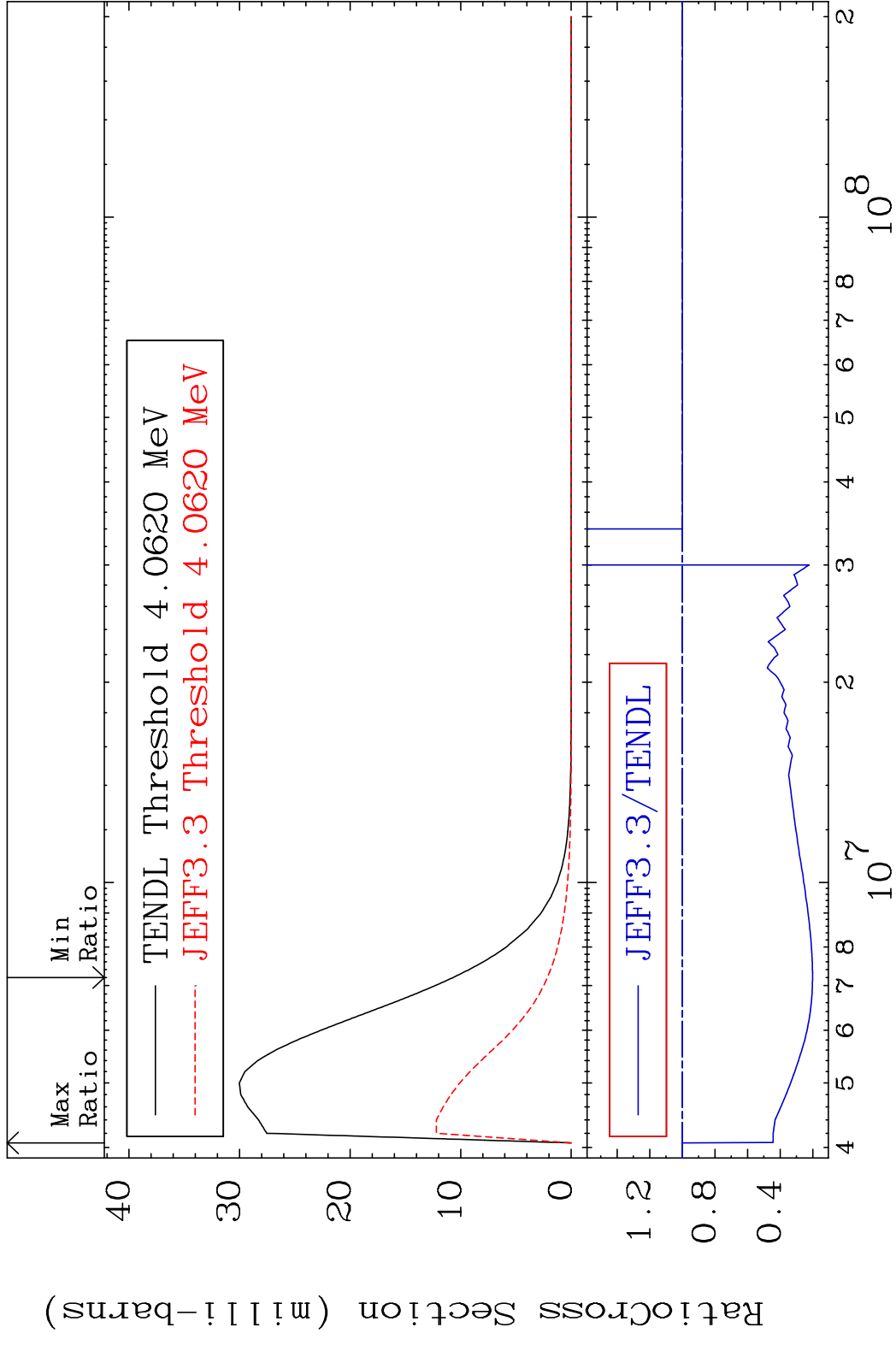
MAT 2437 MT= 68 (n, n') Level 24-Cr-54
 Cross Section -100.0 To 0.000 %



MAT 2437 MT= 69 (n, n') Level 24-Cr-54
 Cross Section -37.46 To 13.74 %



MAT 2437 MT= 70 (n, n') Level 24-Cr-54
 Cross Section -79.88 To 0.000 %

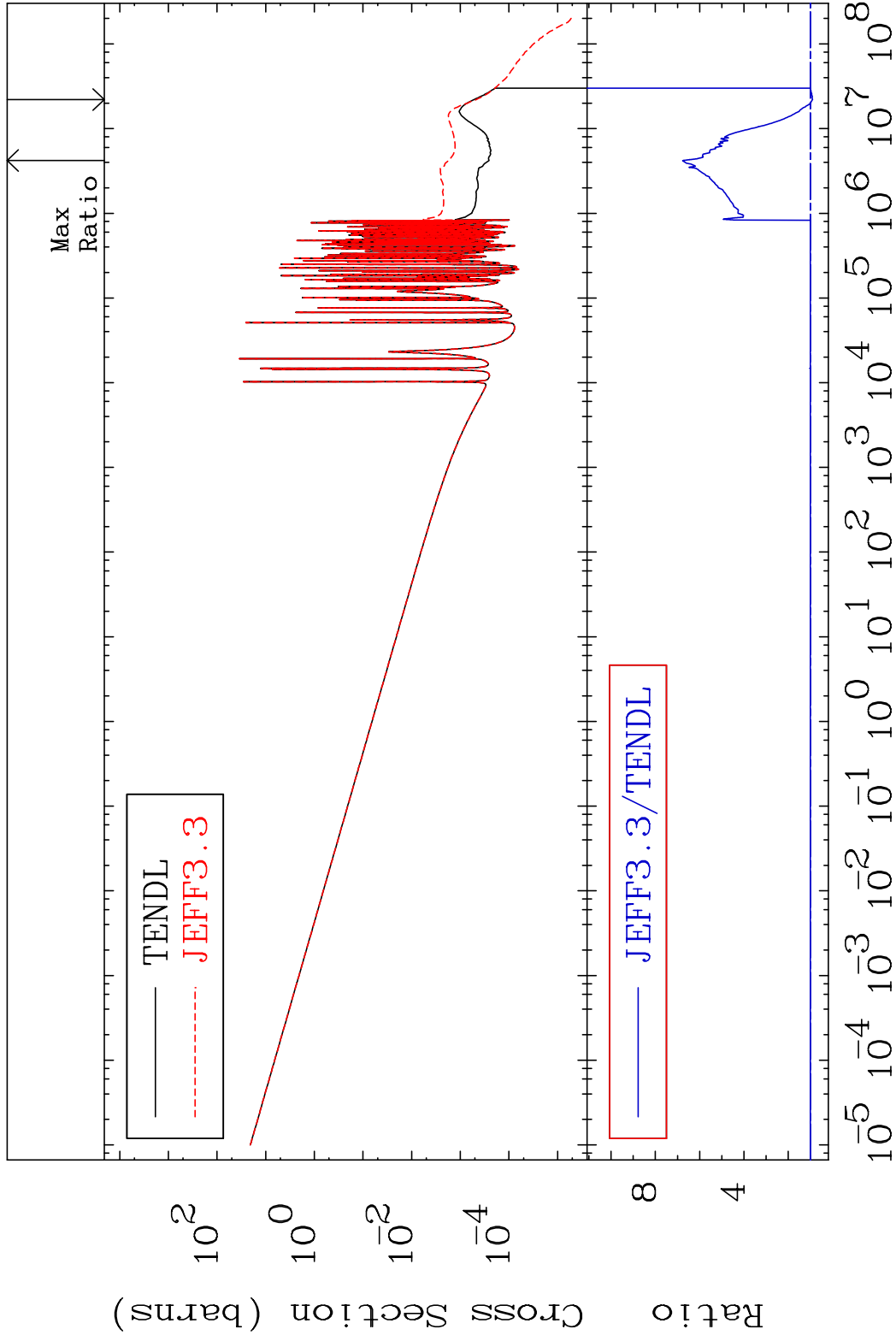


MAT 2437

(n, γ)

24-Cr-54

Cross Section -10.32 To 578.0 %

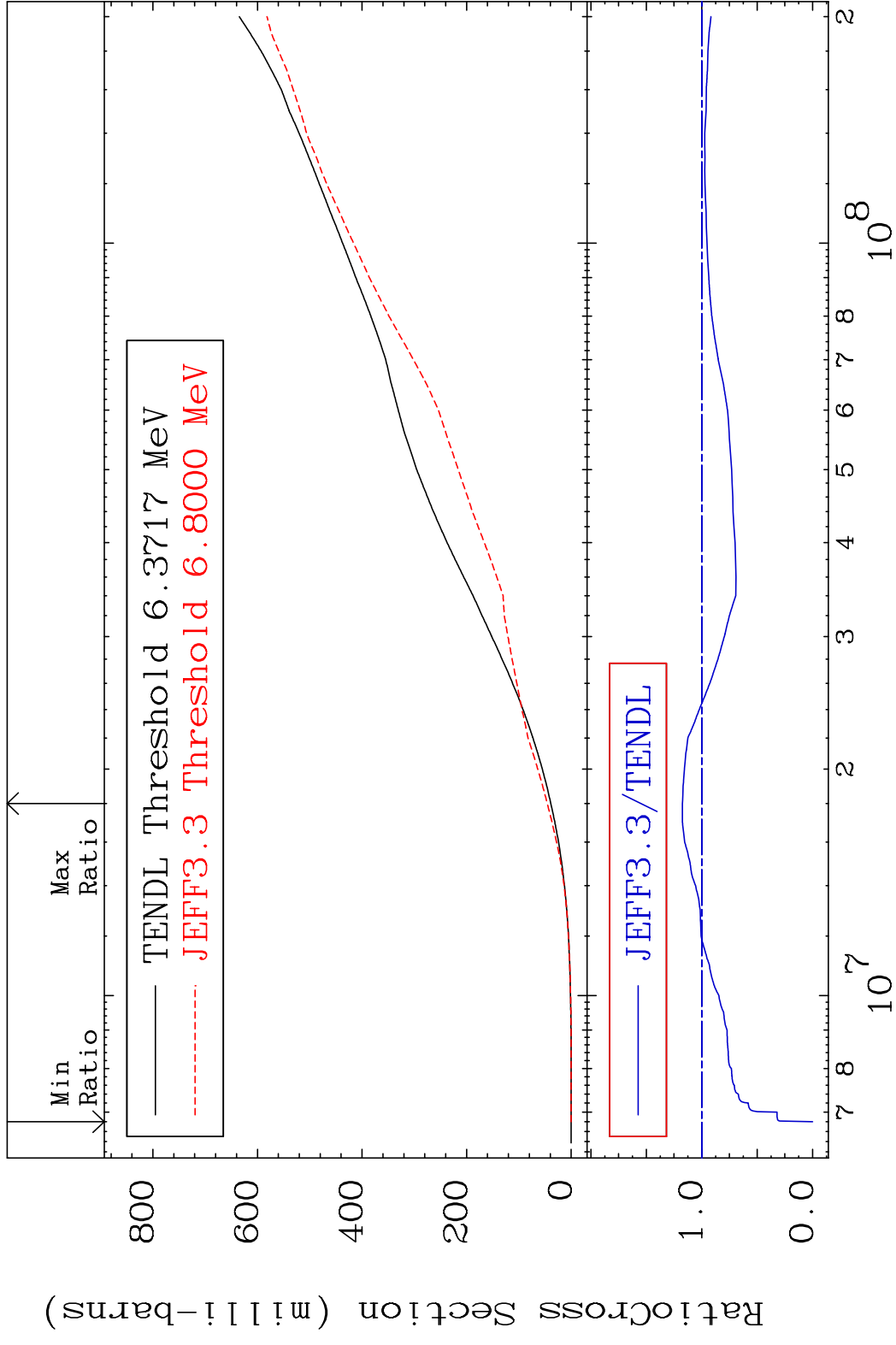


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Incident Energy (eV)

24-Cr-54

MAT 2437 Hydrogen Production ²⁴Cr-54
 Cross Section -100.0 To 17.49 %



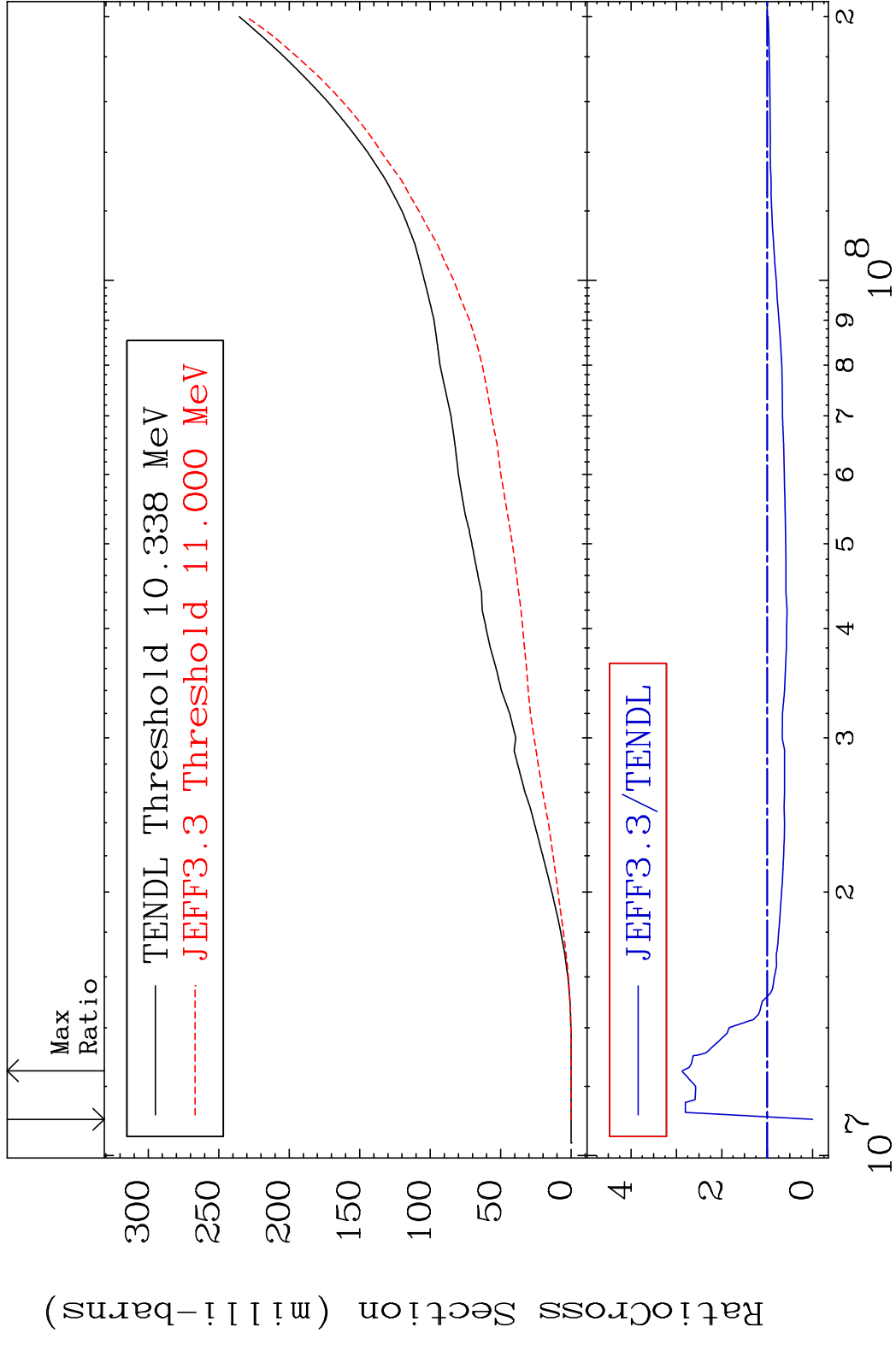
26 ²⁴Cr-54

MAT 2437

Deuterium Production

²⁴Cr-54

Cross Section -100.0 To 186.9 %

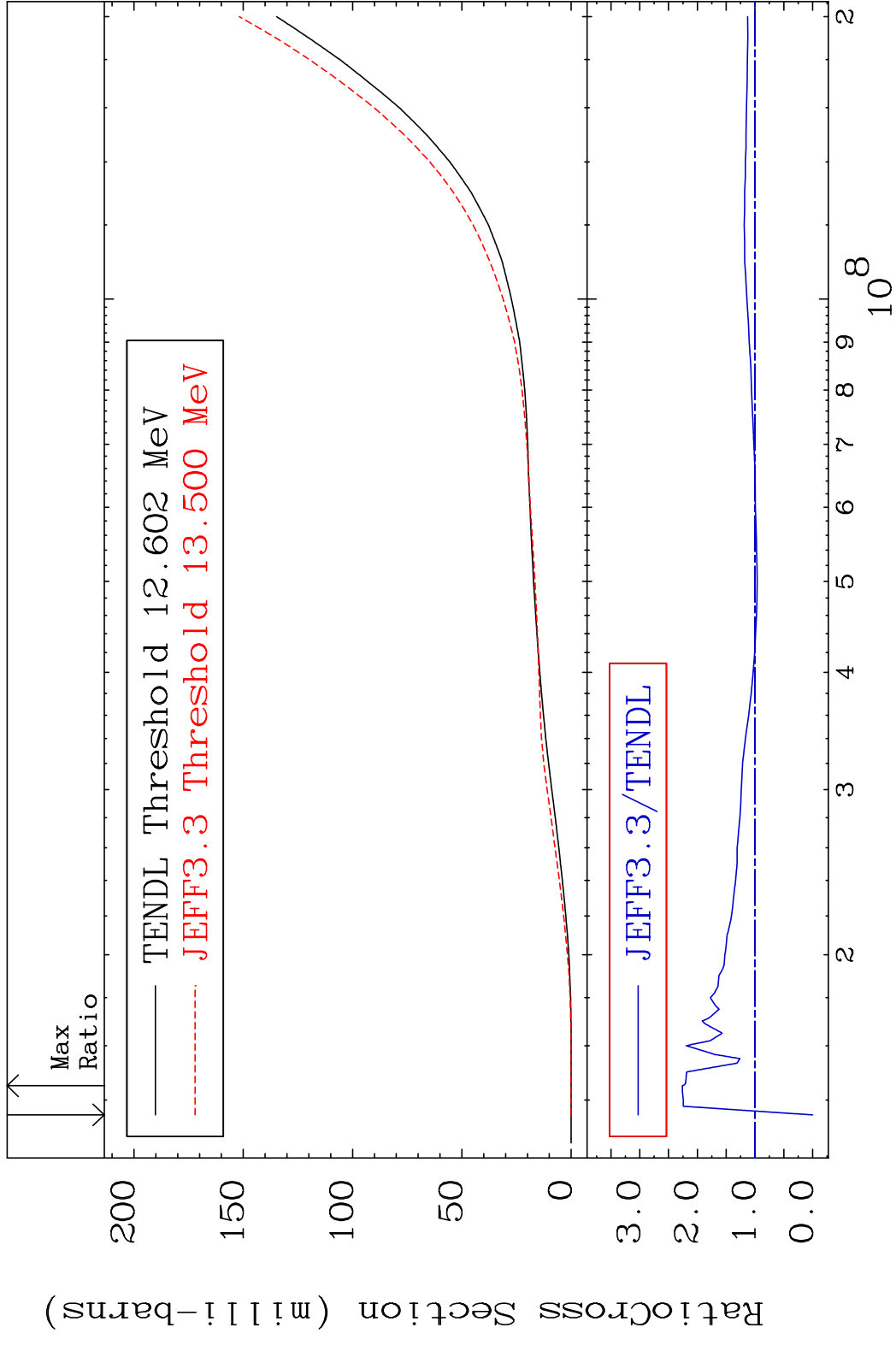


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Incident Energy (eV)

²⁴Cr-54

MAT 2437 Tritium Production $^{24}\text{Cr-54}$
 Cross Section -100.0 To 126.1 %

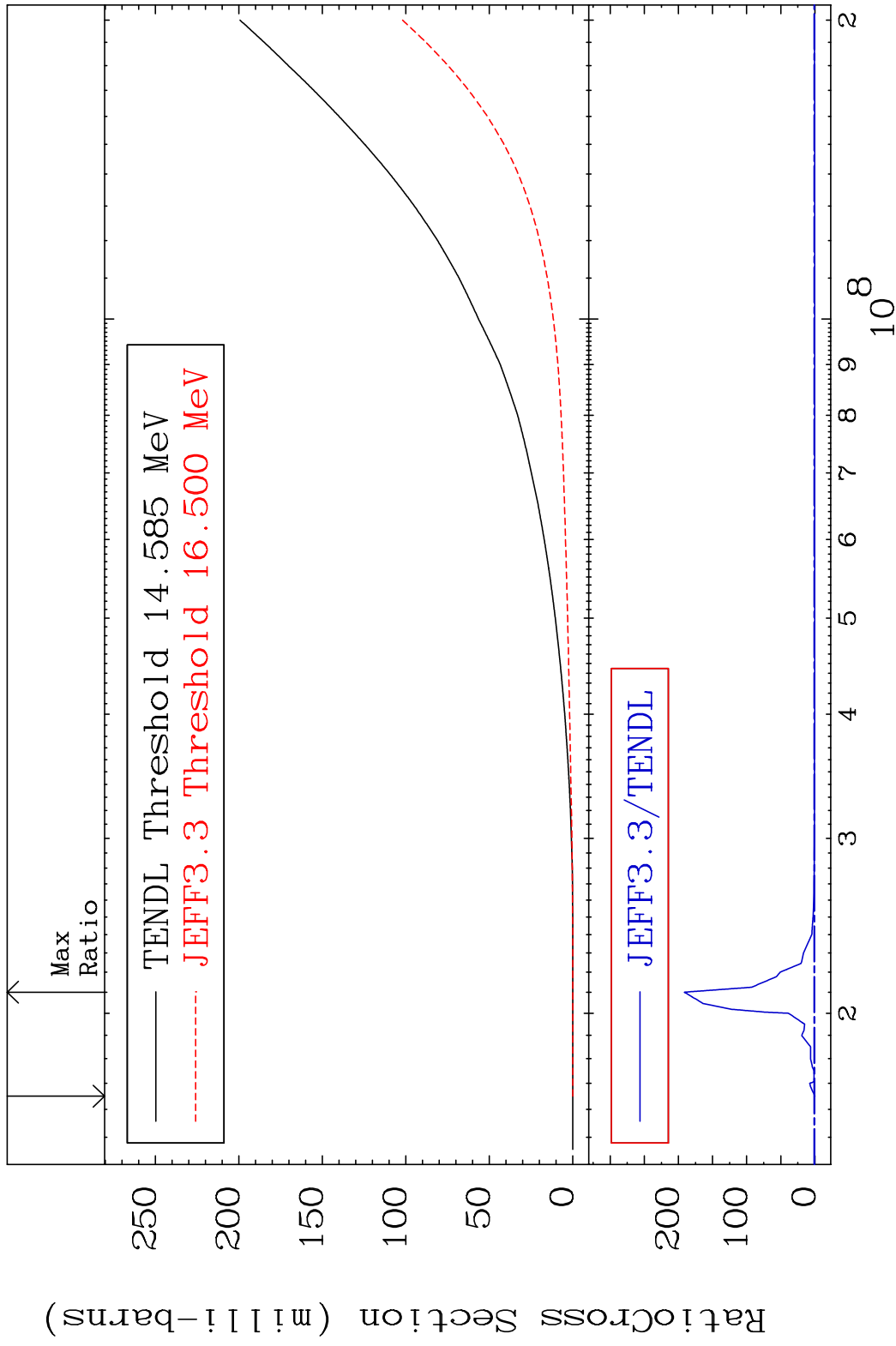


MAT 2437

He-3 Production

²⁴Cr-54

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

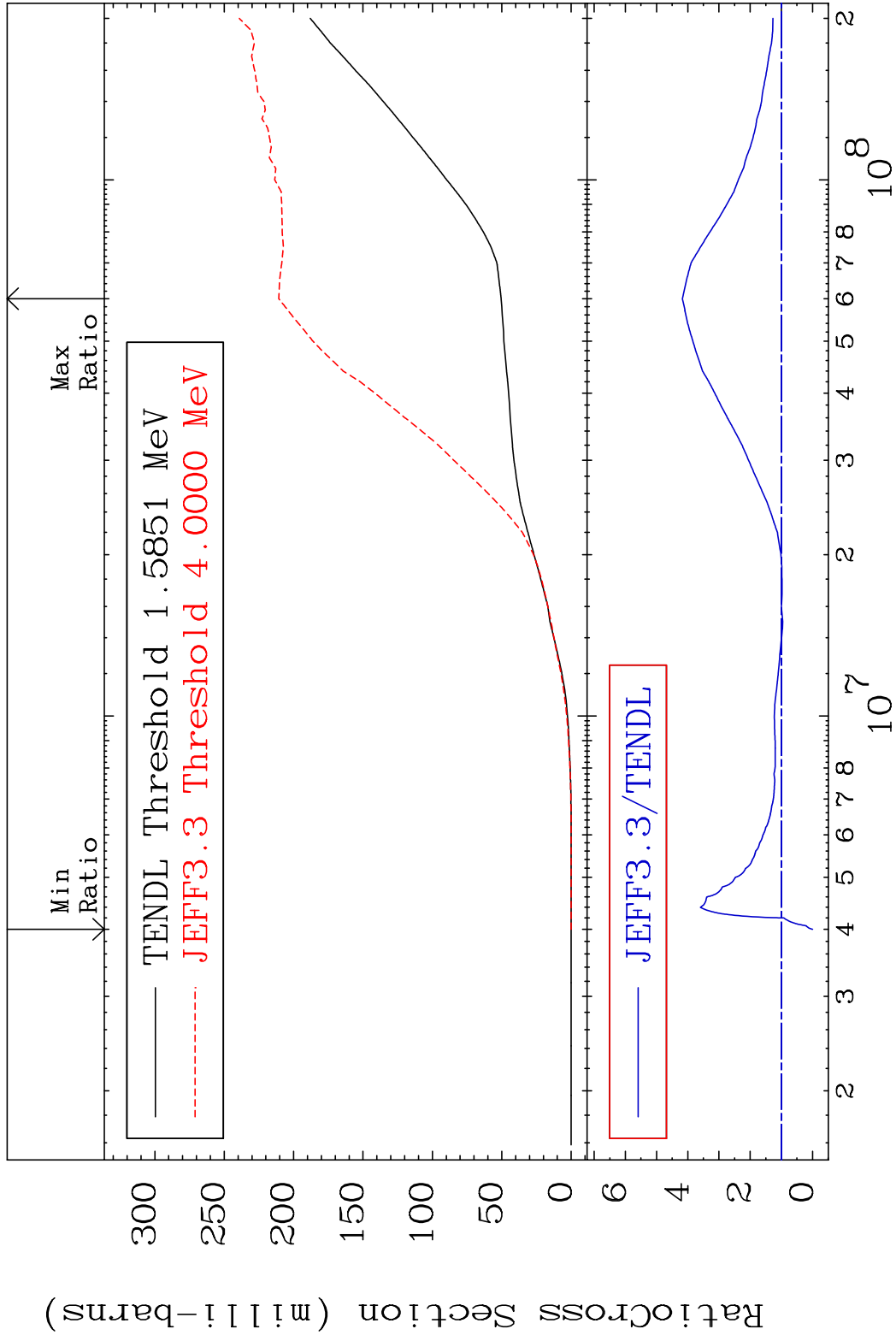
²⁴Cr-54

MAT 2437

He-4 Production

²⁴Cr-54

Cross Section -100.0 To 317.4 %

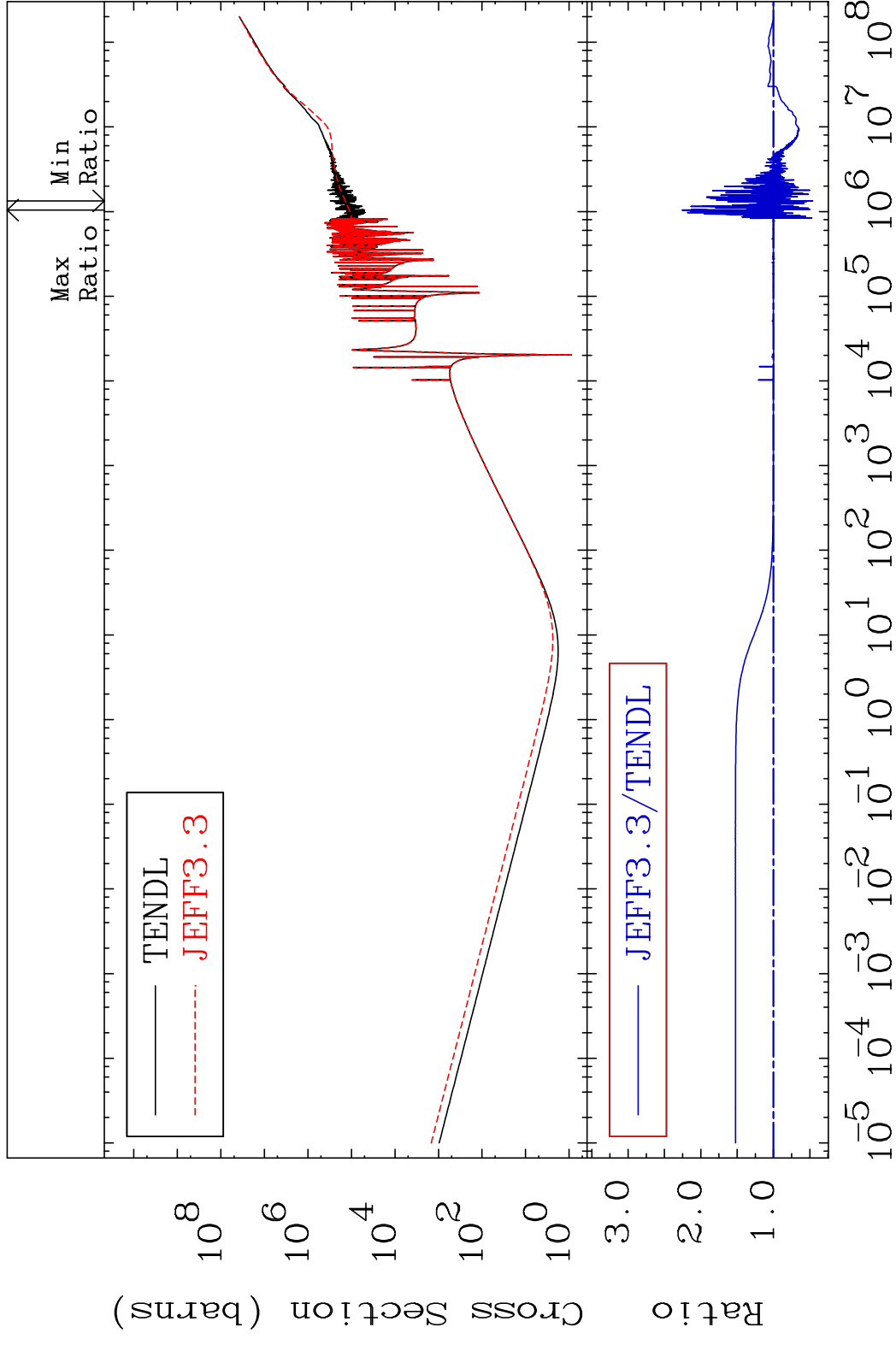


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Incident Energy (eV)

²⁴Cr-54

MAT 2437 Kerma total (eV-barns) 24-Cr-54
 Cross Section -53.82 To 125.4 %

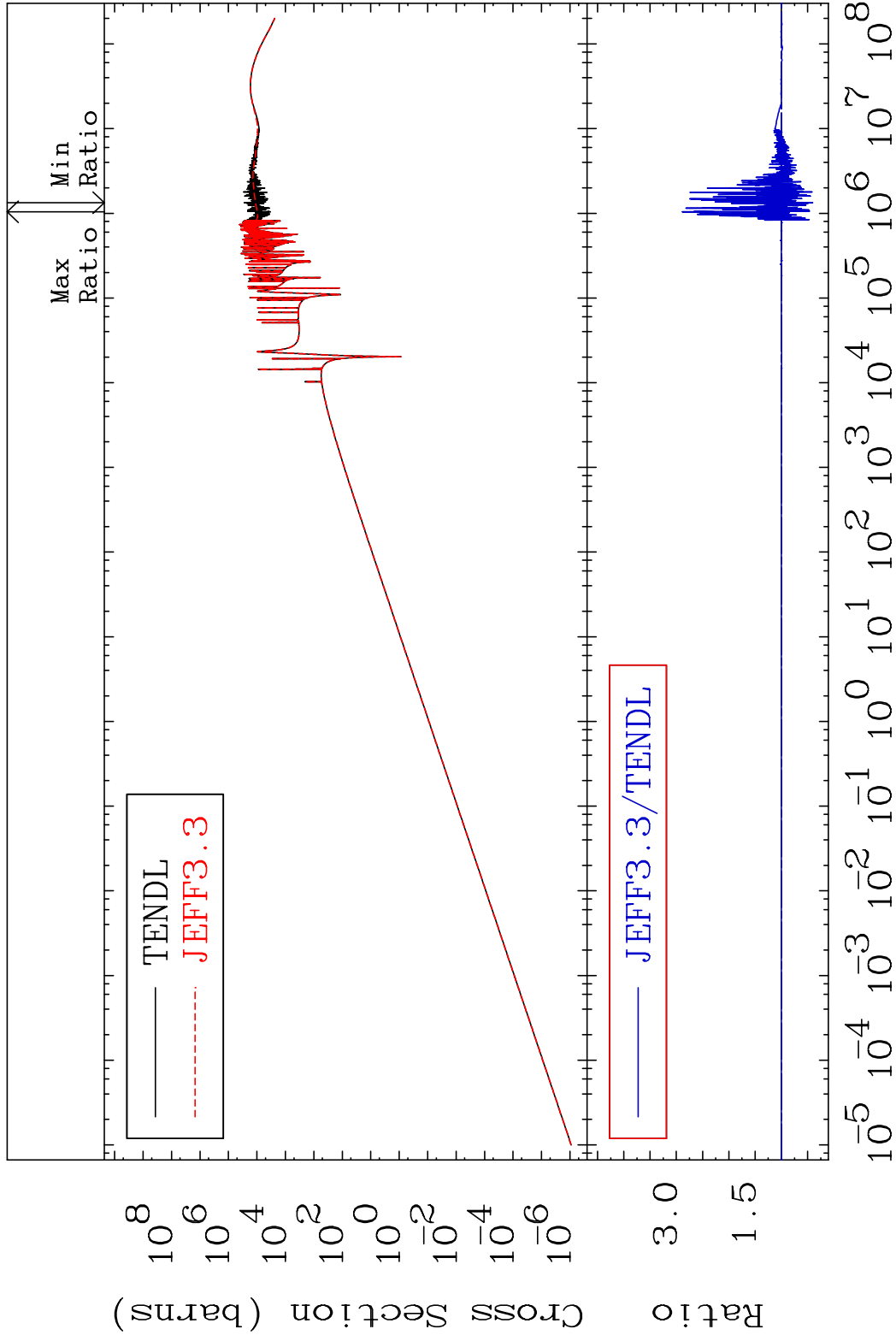


MAT 2437

Kerma elastic

24-Cr-54

Cross Section -59.38 To 188.6 %

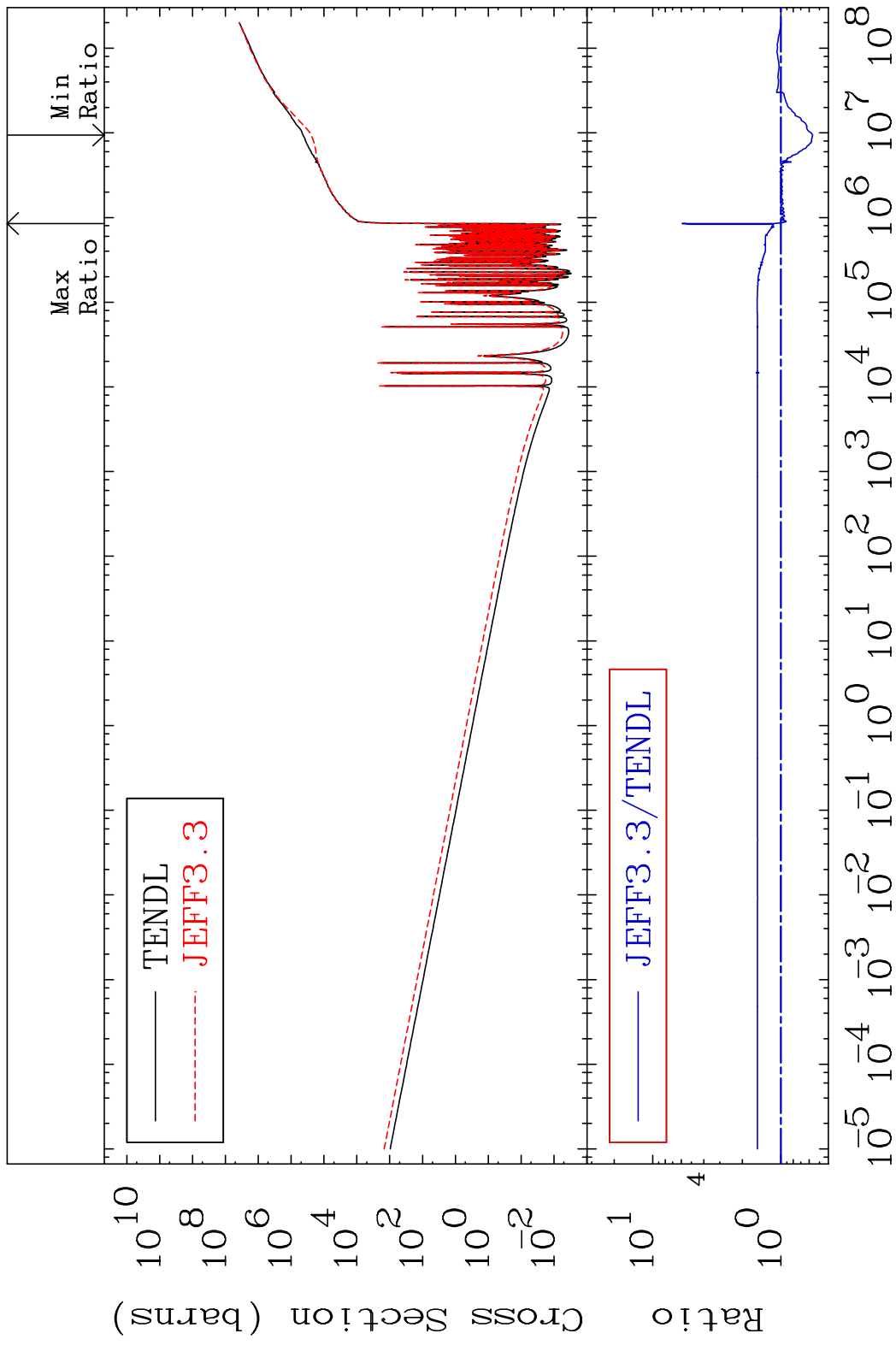


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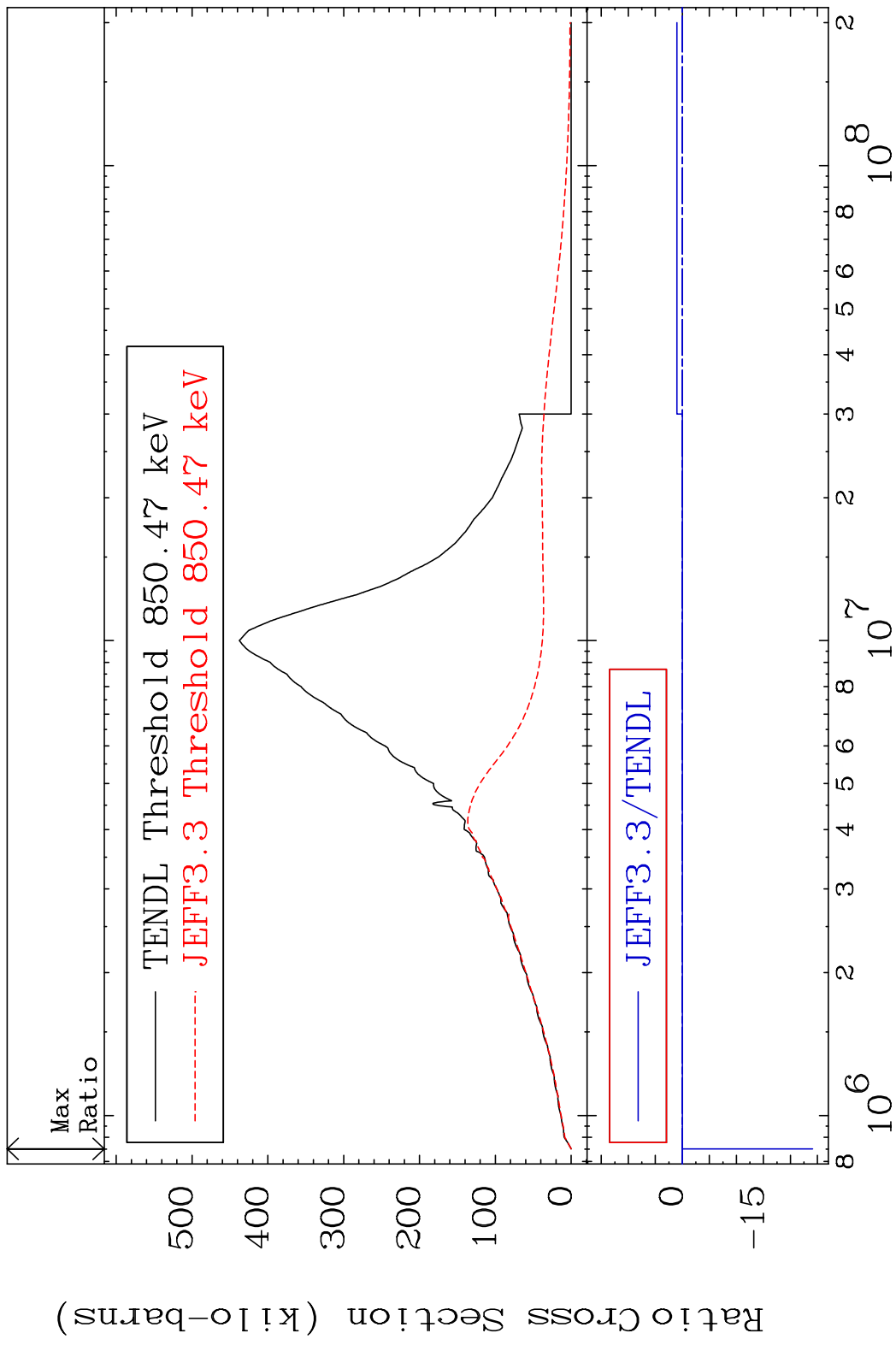
Incident Energy (eV)

24-Cr-54

MAT 2437 Kerma non-elastic (all but mt2) 24-Cr-54
 Cross Section -43.41 To 487.8 %

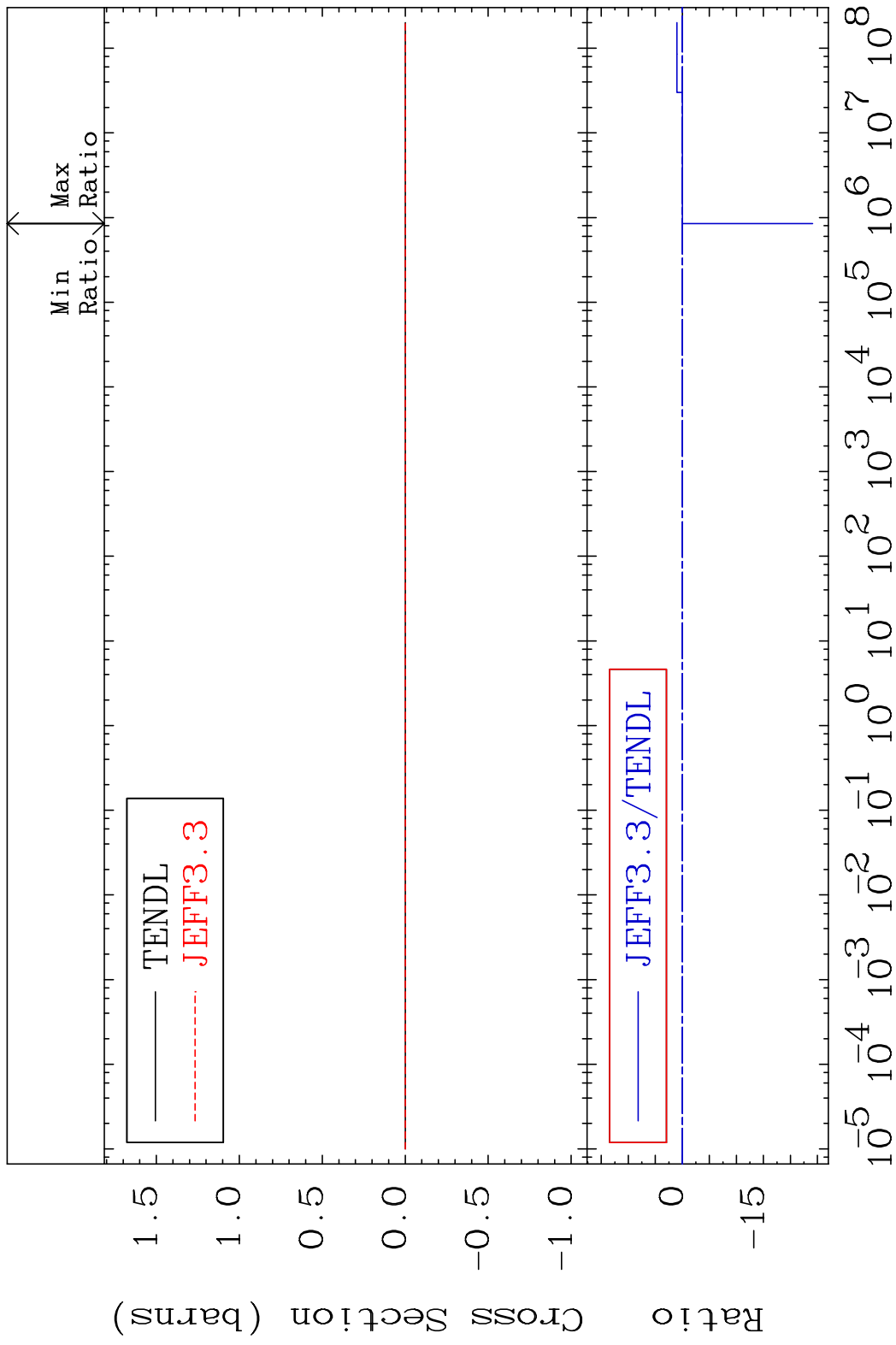


MAT 2437 Kerma inelastic (mt51-91) 24-Cr-54
Cross Section -9999. To 11.56 %



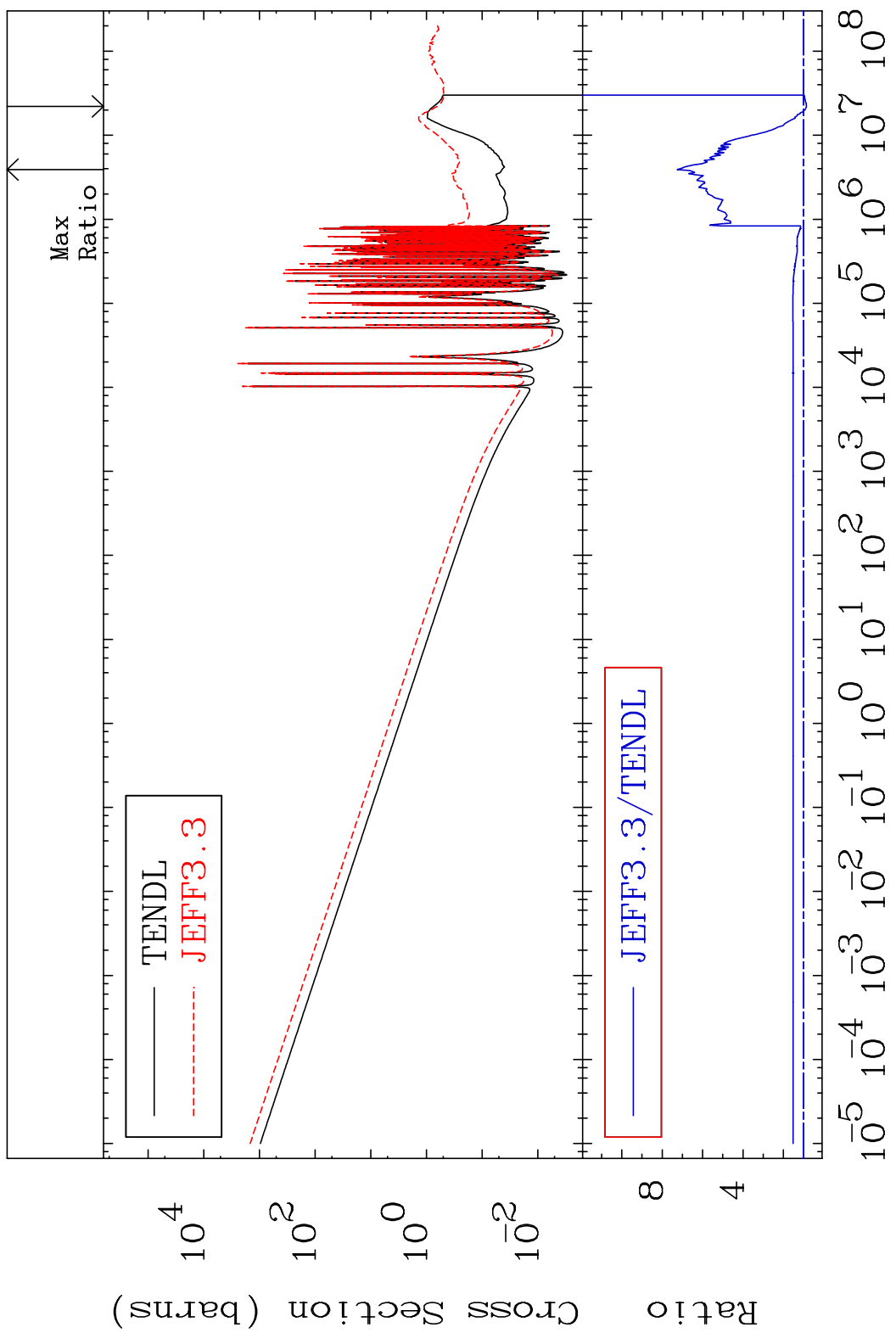
34 Incident Energy (eV) 24-Cr-54

MAT 2437 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-54
 Cross Section -9999. To 11.56 %



MAT 2437

Kerma capture (mt102) 24-Cr-54
Cross Section -13.90 To 625.7 %

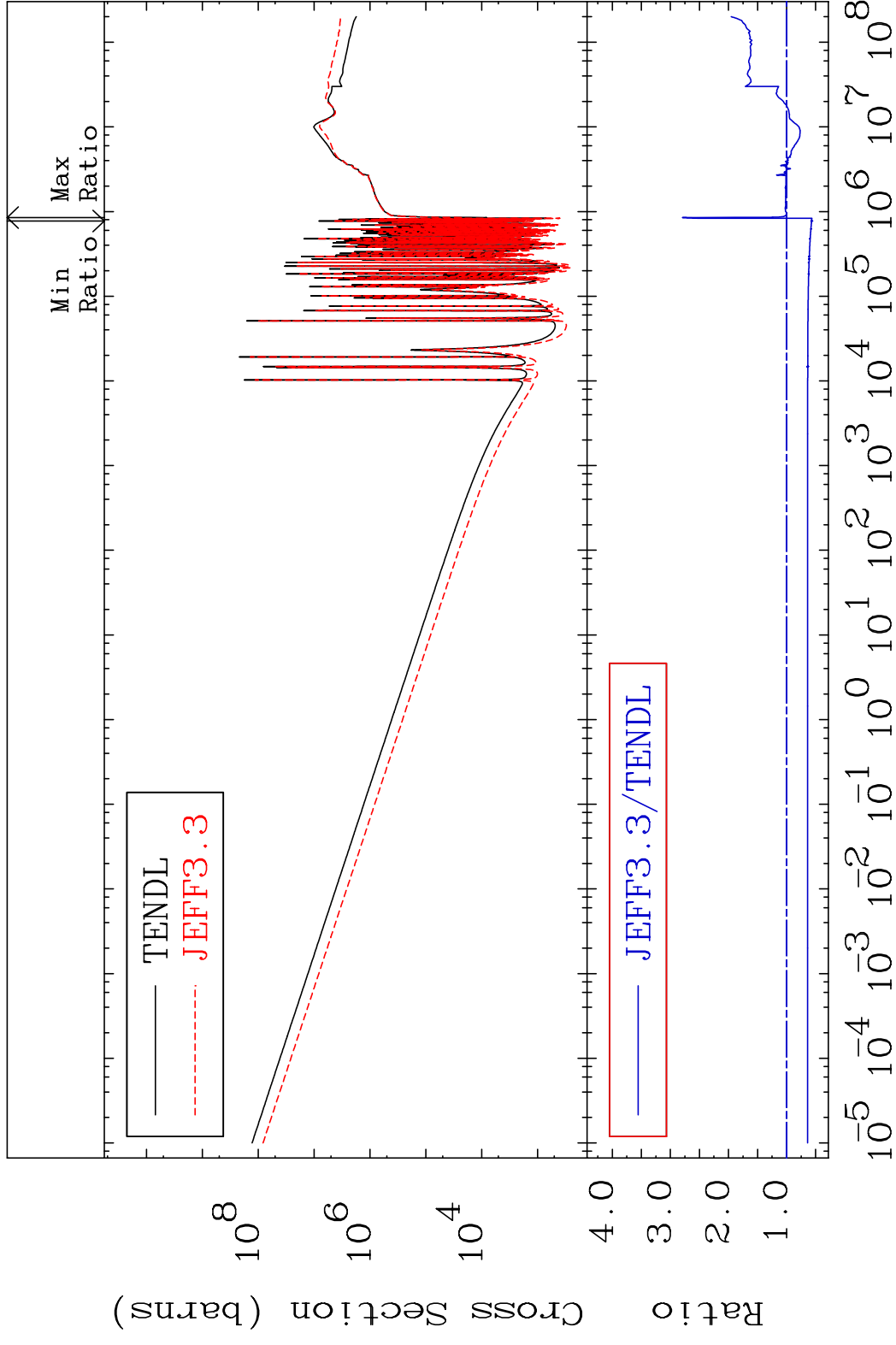


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Incident Energy (eV)

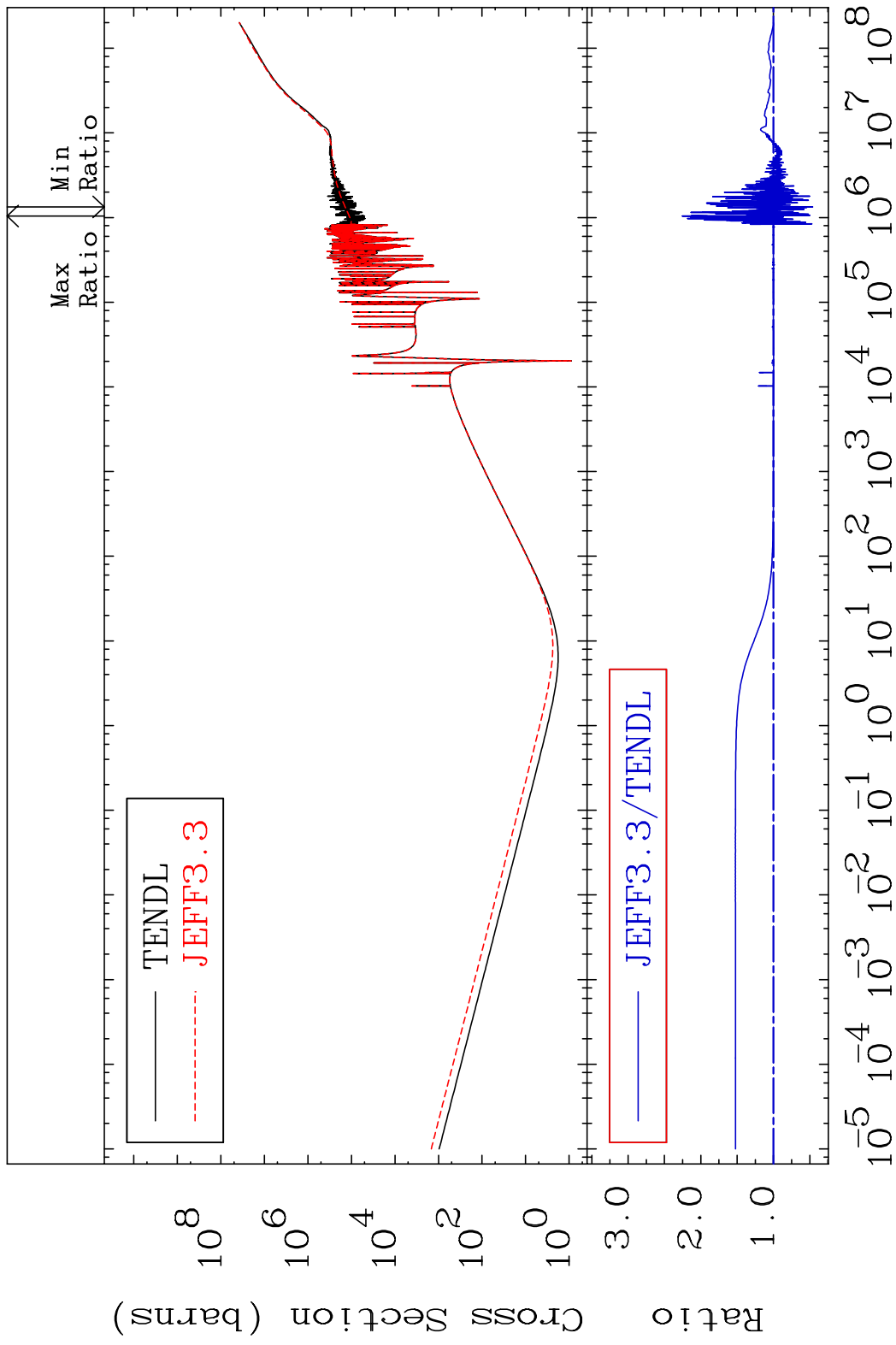
24-Cr-54

MAT 2437 Total photon (eV-barns) 24-Cr-54
 Cross Section -44.69 To 179.4 %



37 Incident Energy (eV) 24-Cr-54

MAT 2437 Total kinematic kerma (high limit) 24-Cr-54
 Cross Section -53.82 To 125.4 %

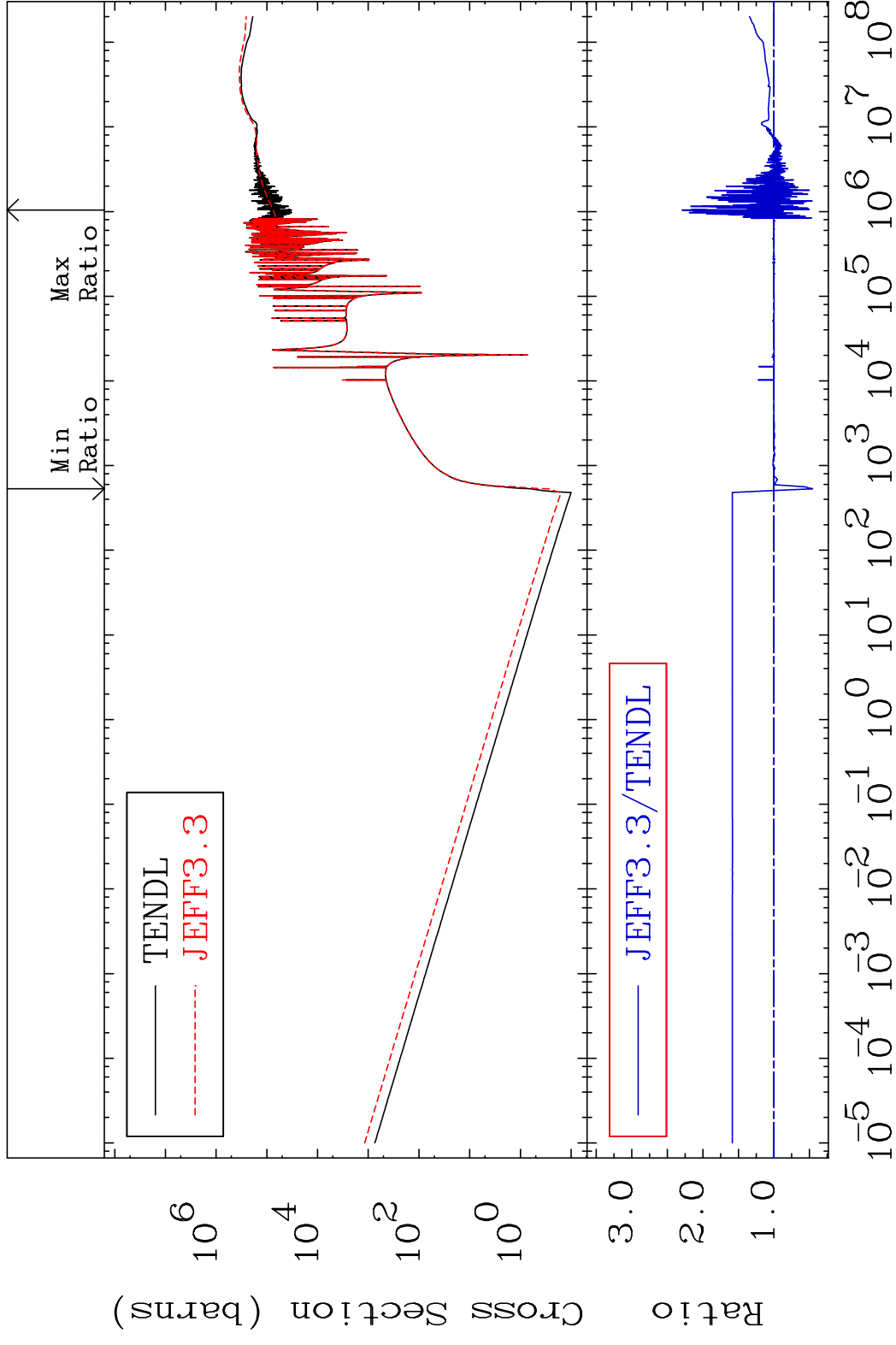


MAT 2437

Dpa total (eV-barns)

²⁴Cr-54

Cross Section -54.35 To 128.9 %



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Incident Energy (eV)

²⁴Cr-54

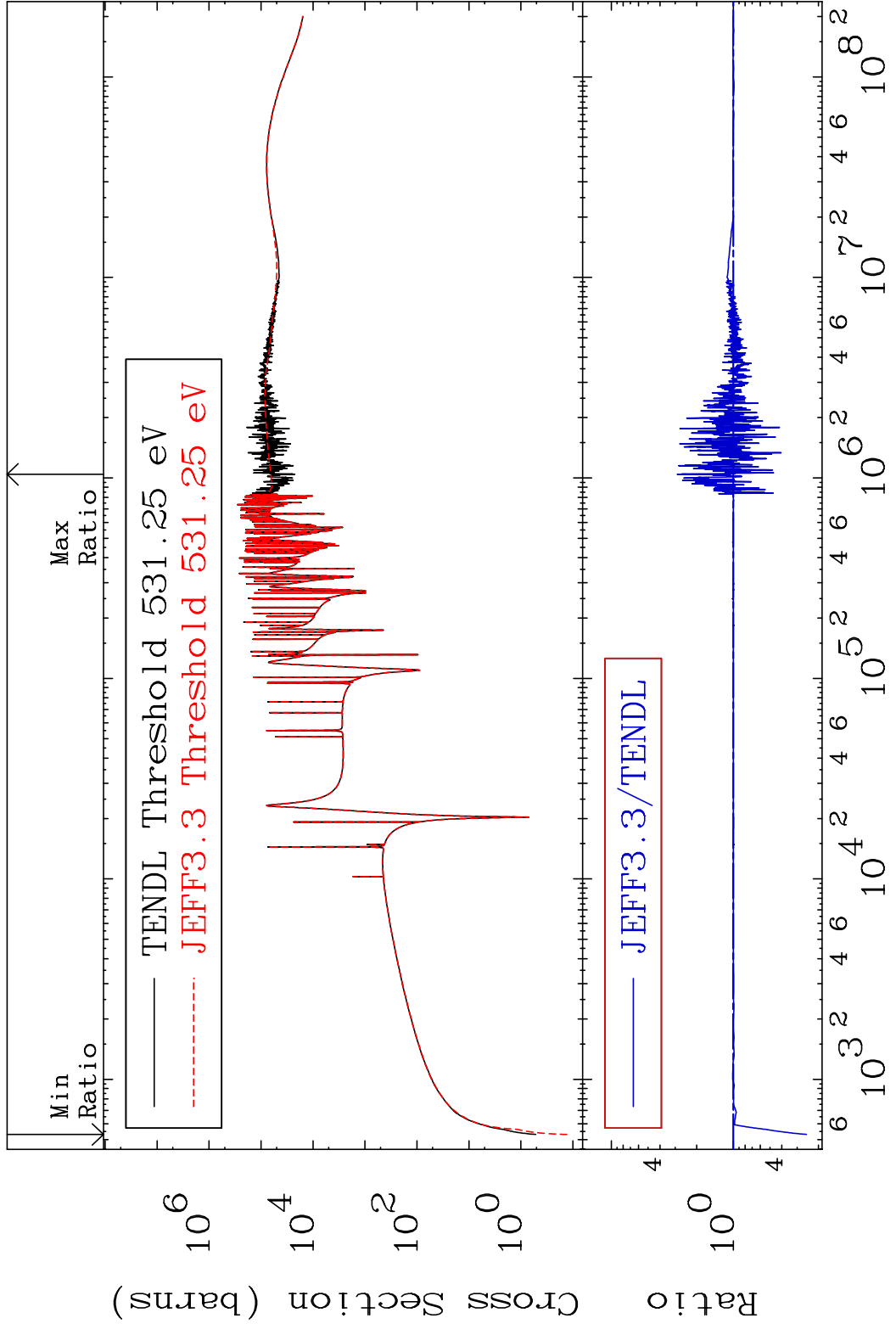
MAT 2437

Dpa elastic (mt2)

²⁴Cr-54

Cross Section

-74.84 To 188.7 %

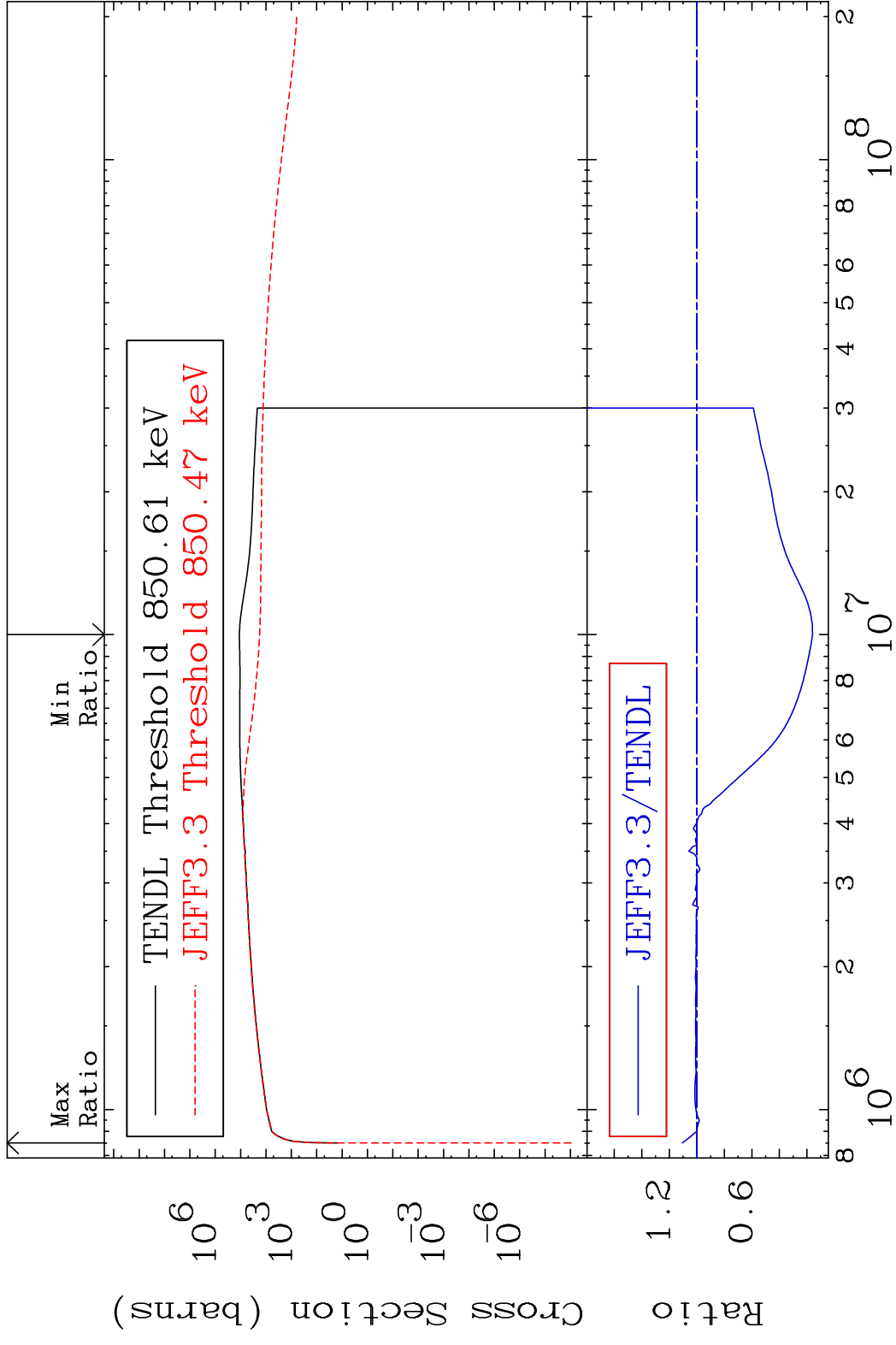


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Incident Energy (eV)

²⁴Cr-54

MAT 2437 Dpa inelastic (mt51-91) 24-Cr-54
 Cross Section -84.09 To 10.51 %



41 Incident Energy (eV) 24-Cr-54

MAT 2437 Dpa disappearance (mt102 -120) 24-Cr-54
 Cross Section -100.0 To 627.3 %

