

Program Complot
(Version 2021-1)

by

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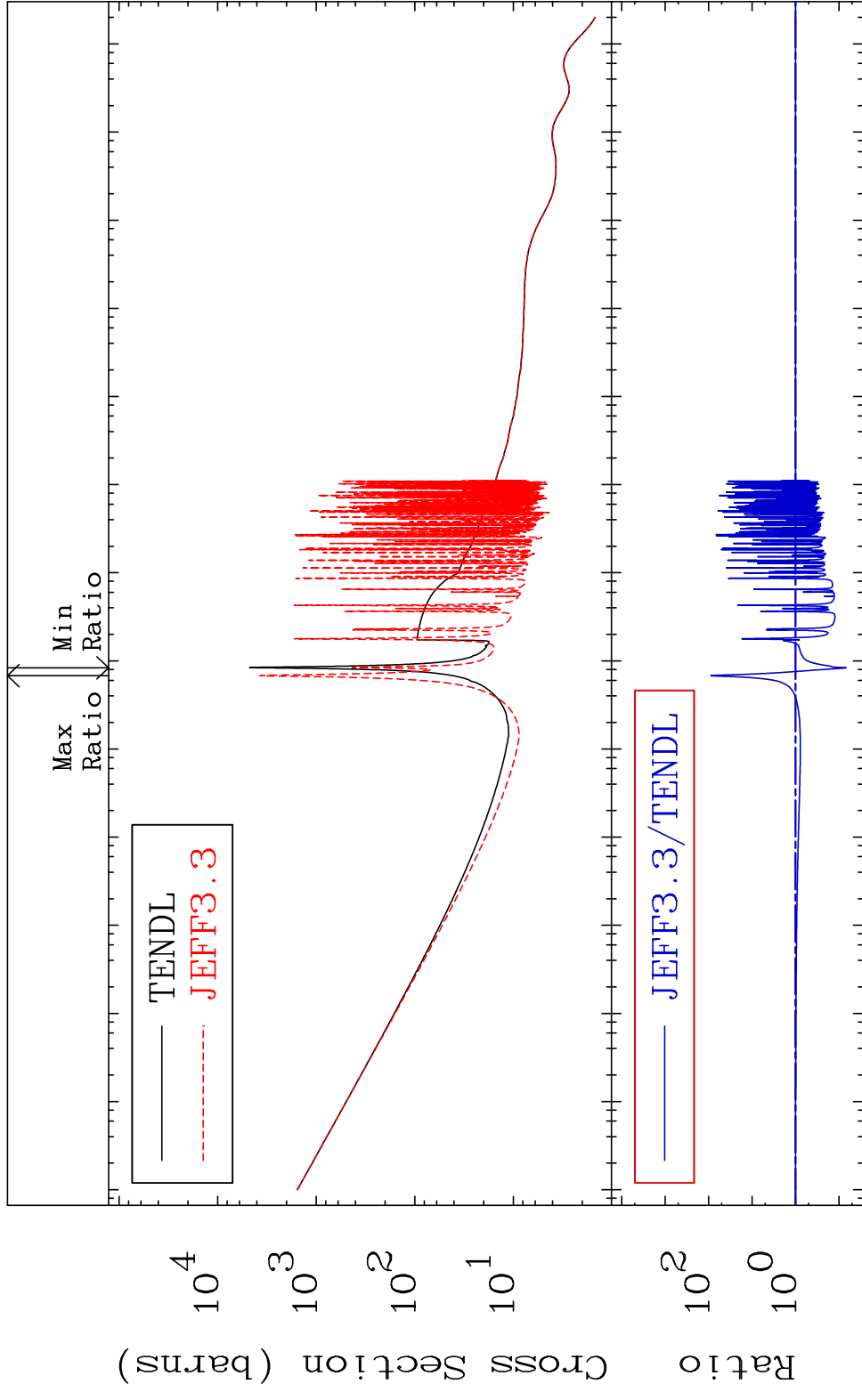
Press Mouse Button to Start

MAT 3822

38-Sr-83

Total

Cross Section -93.19 To 8860. %



1

Incident Energy (eV)

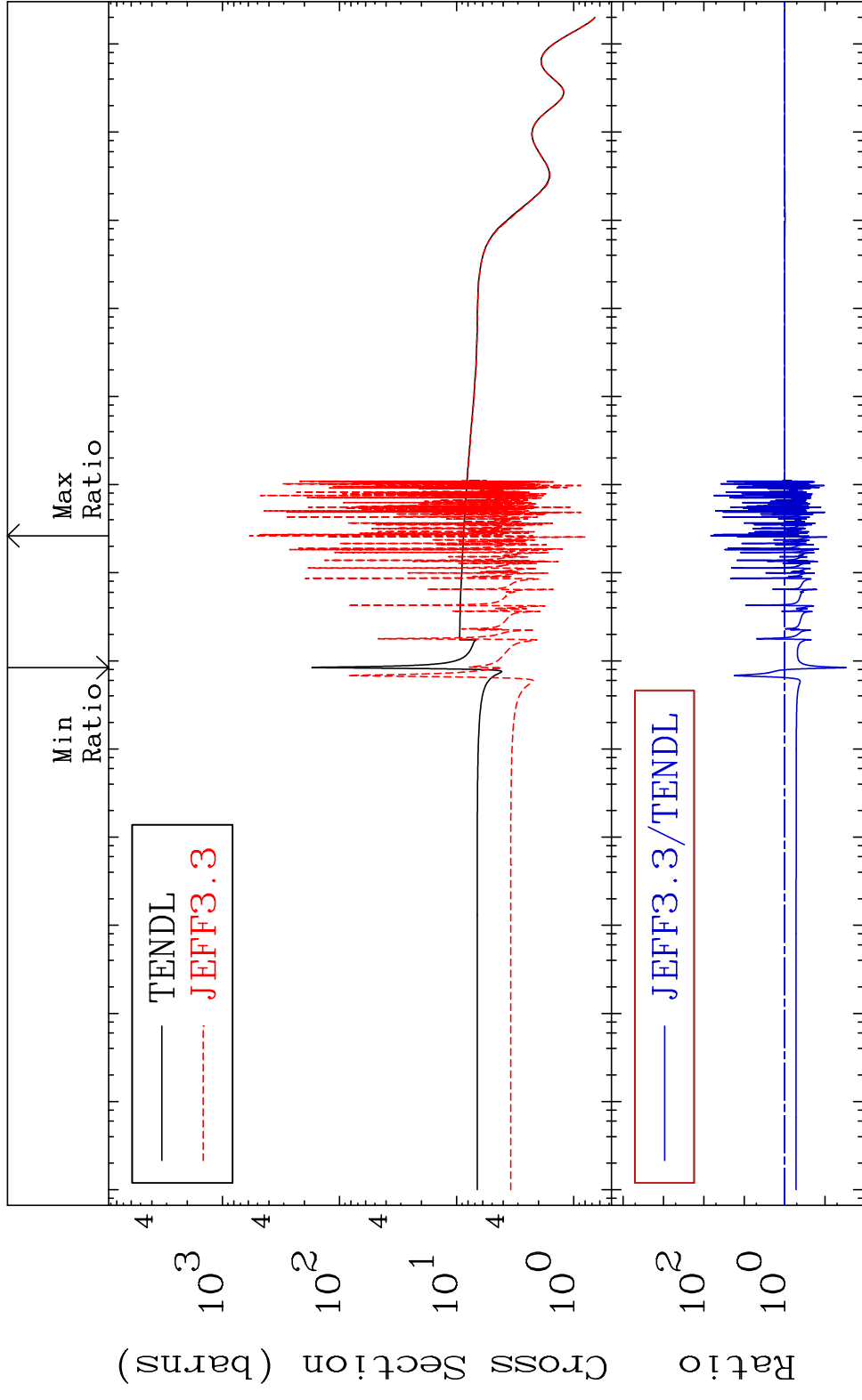
38-Sr-83

MAT 3822

38-Sr-83

Elastic

Cross Section -97.04 To 6651. %



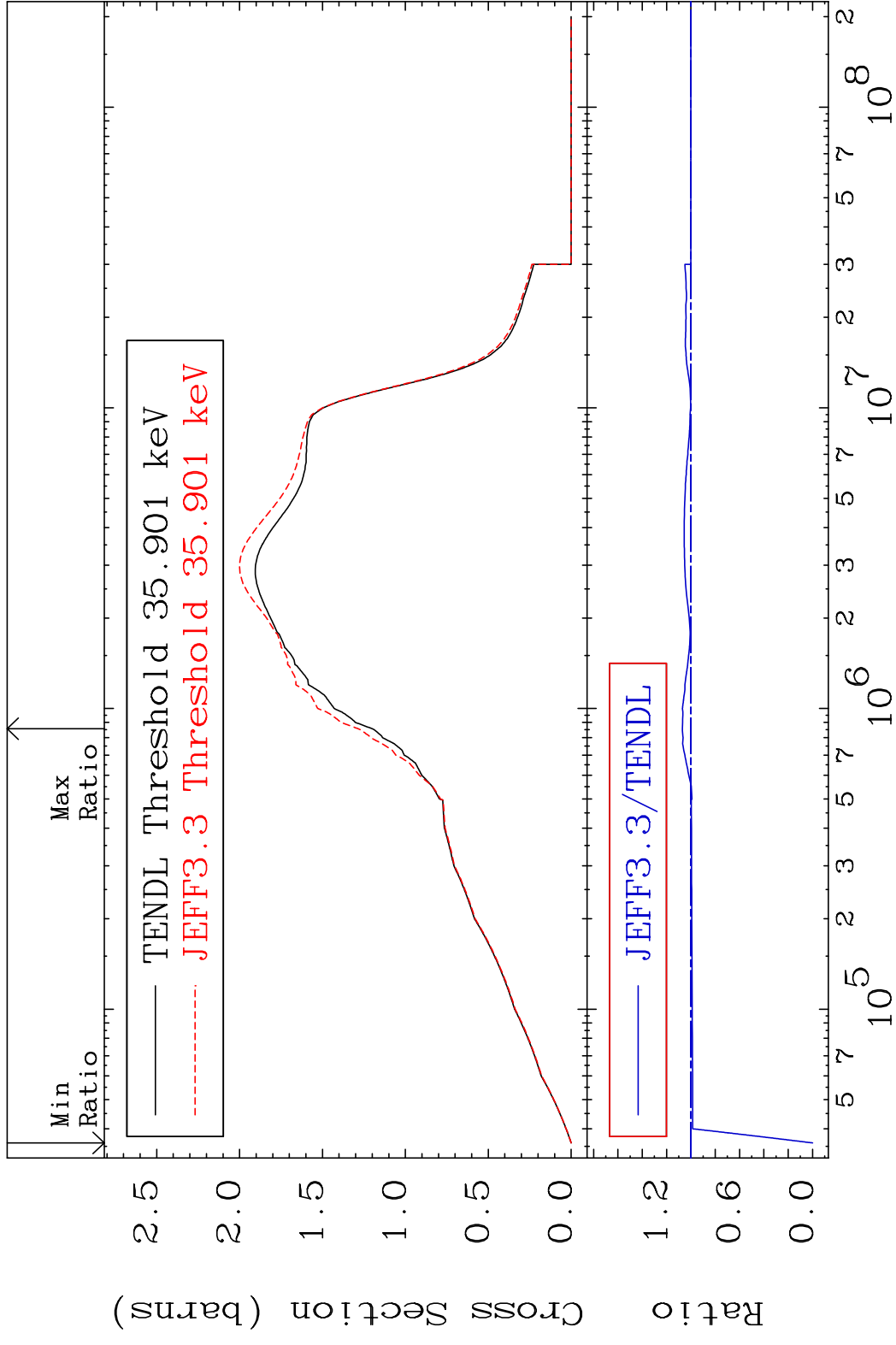
Ratio
10²
10⁰
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

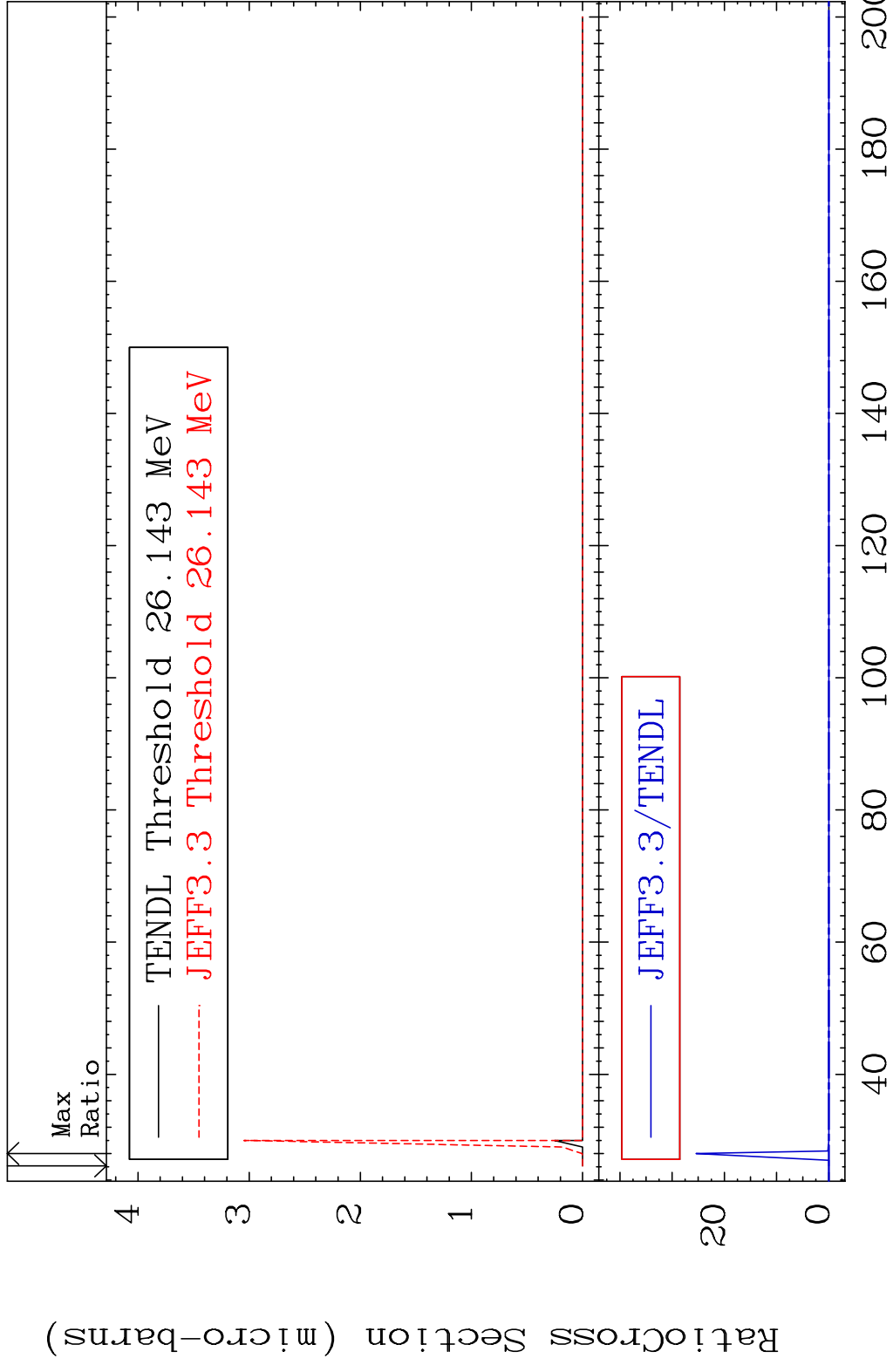
Incident Energy (eV)

38-Sr-83

MAT 3822 Inelastic 38-Sr-83
 Cross Section -100.0 To 7.029 %



MAT 3822 (n,2n) d 38-Sr-83
 Cross Section -100.0 To 9999. %

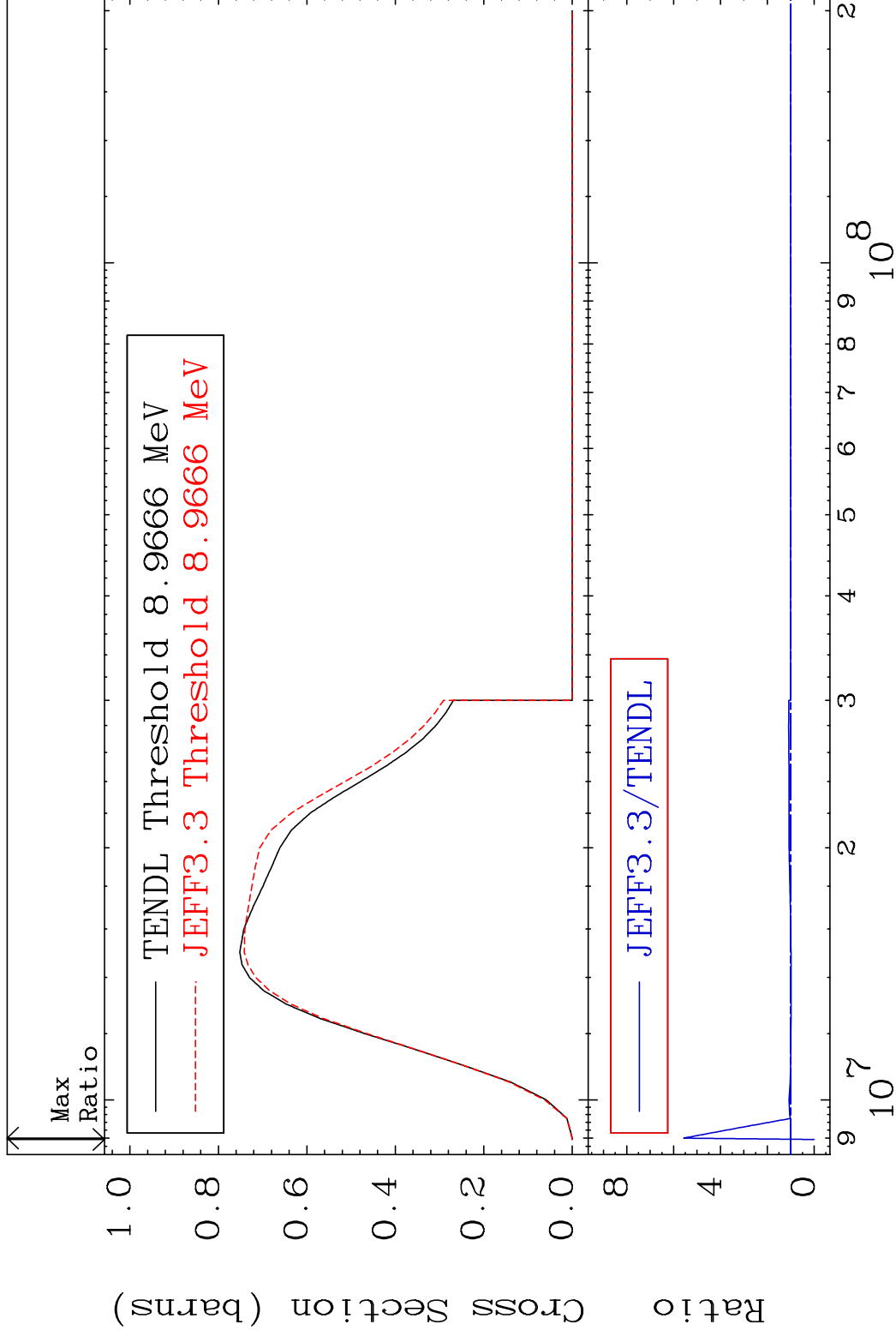


MAT 3822

(n,2n)

38-Sr-83

Cross Section -100.0 To 457.2 %



5

Incident Energy (eV)

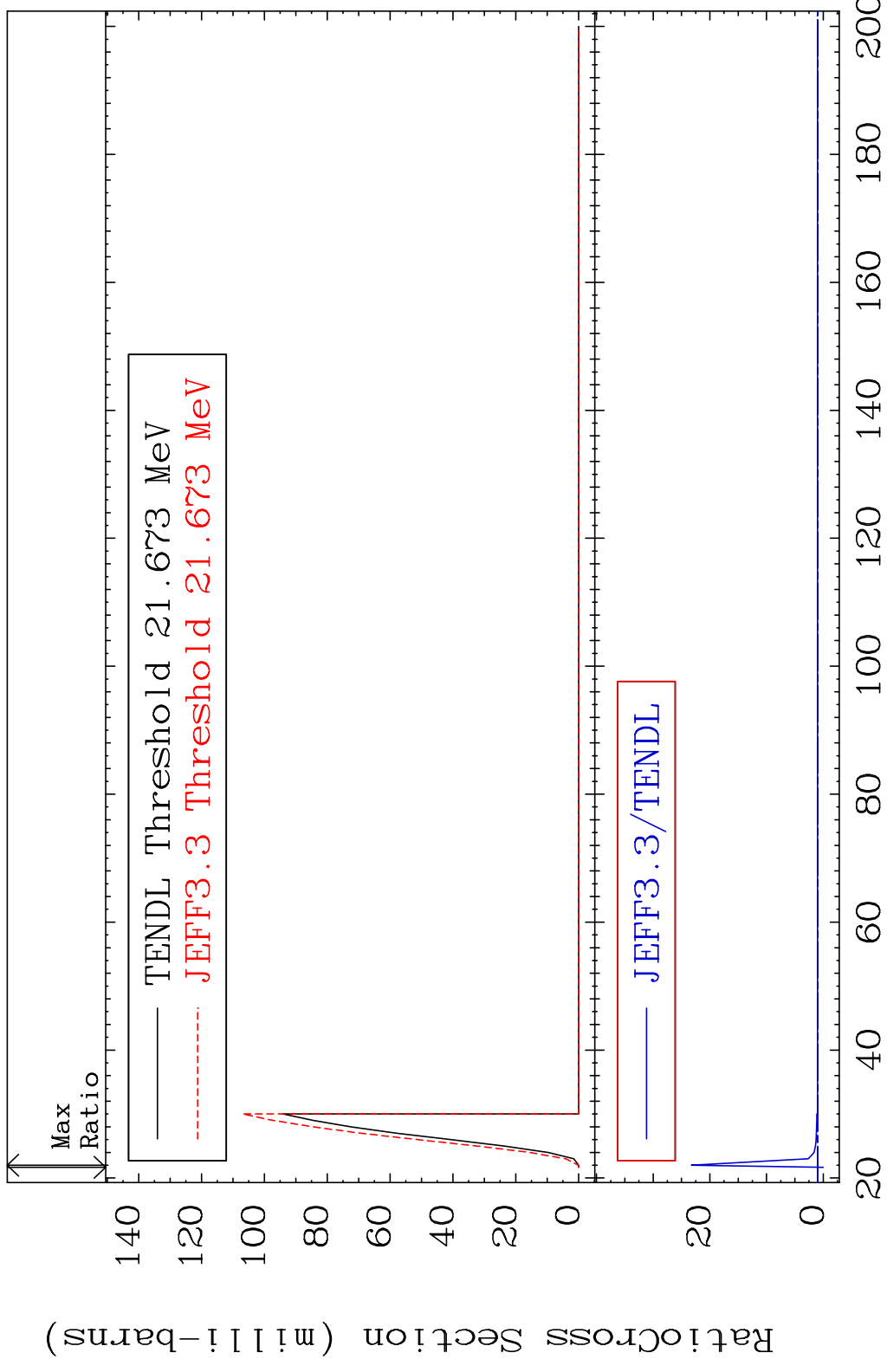
38-Sr-83

MAT 3822

(n,3n)

38-Sr-83

Cross Section -100.0 To 2227. %

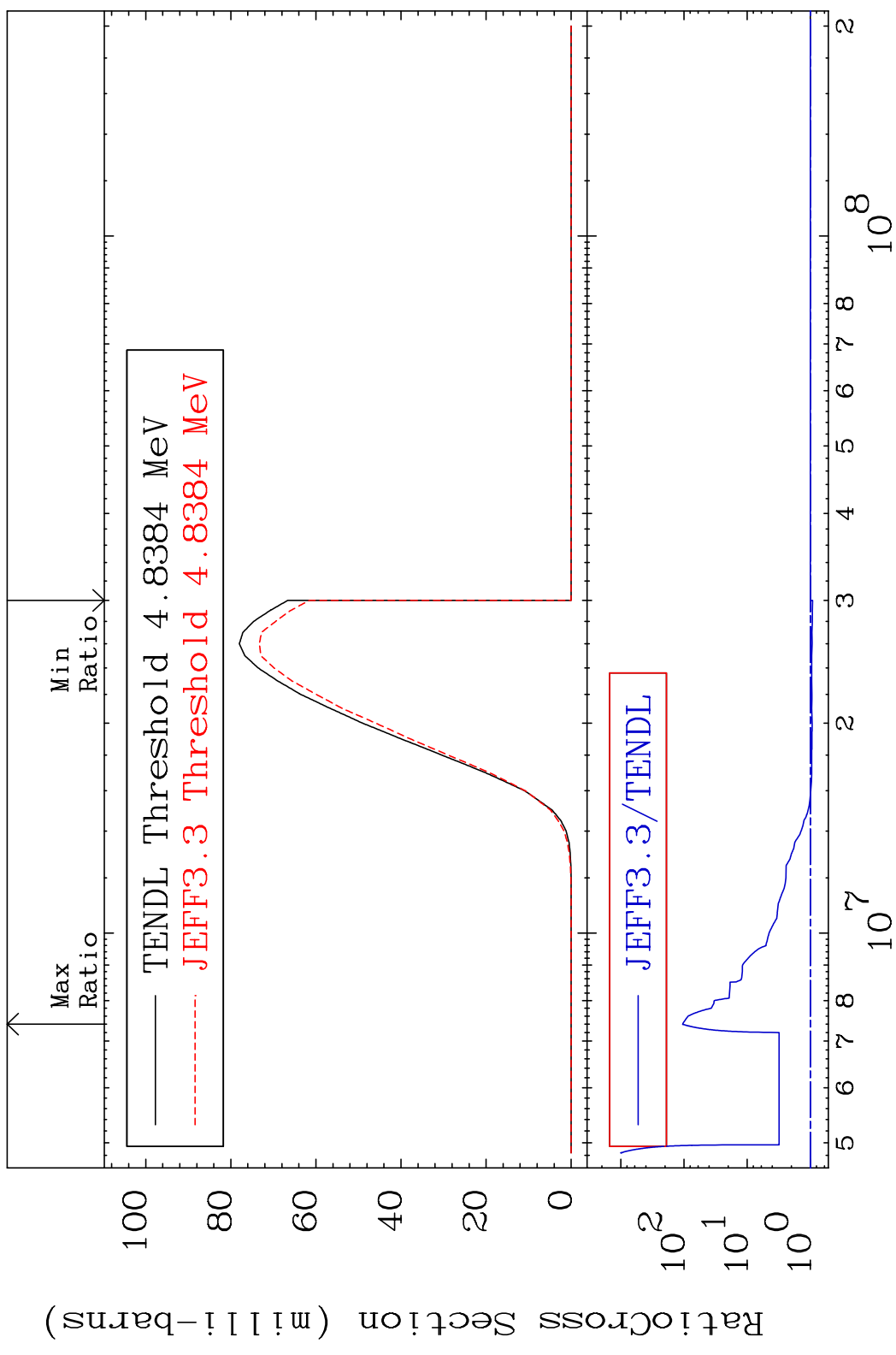


MAT 3822

(n, n') α

38-Sr-83

Cross Section -7.641 To 9999. %



7

Incident Energy (eV)

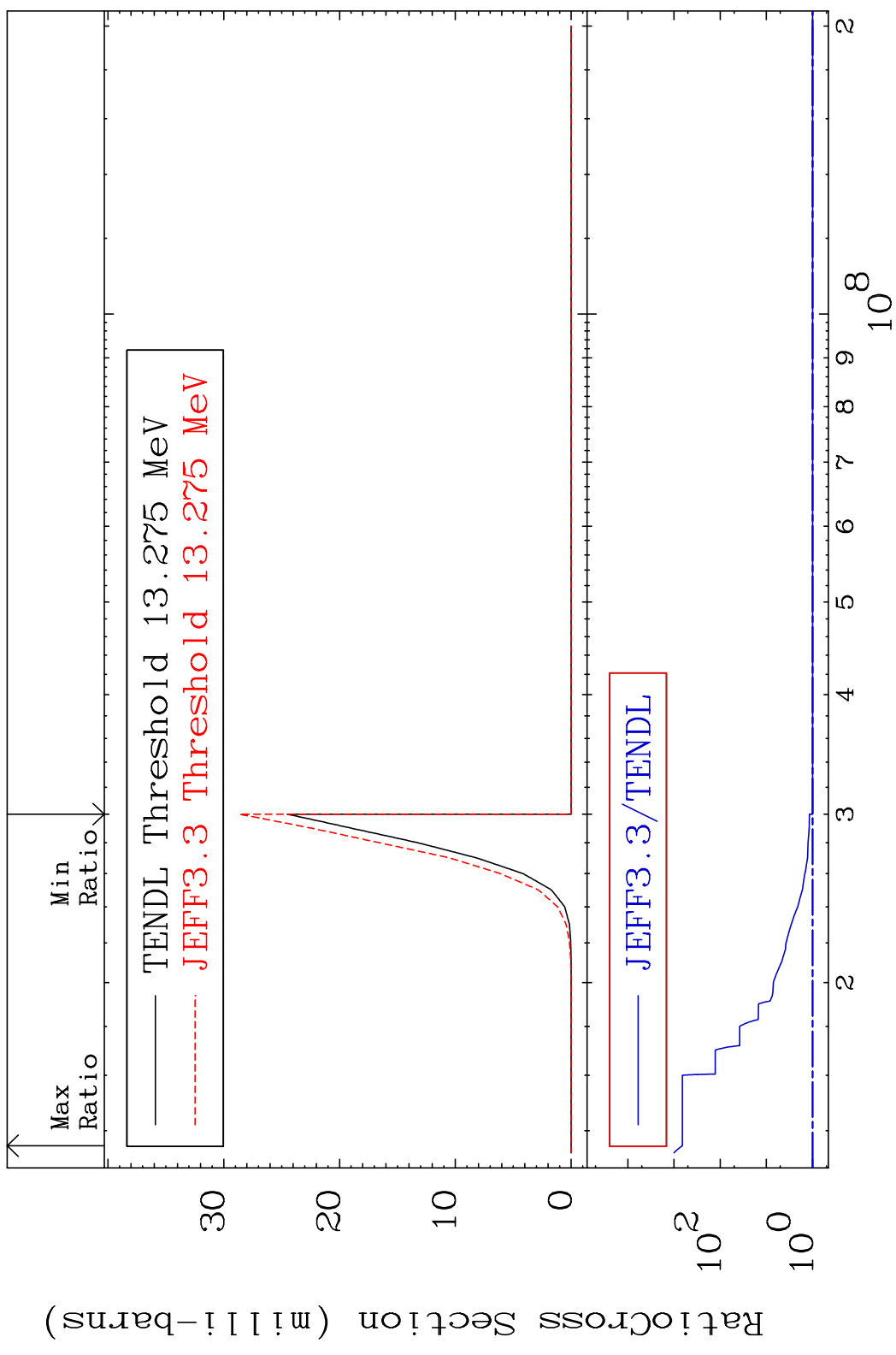
38-Sr-83

MAT 3822

(n,2n) α

38-Sr-83

Cross Section 0.000 To 9999. %



8

Incident Energy (eV)

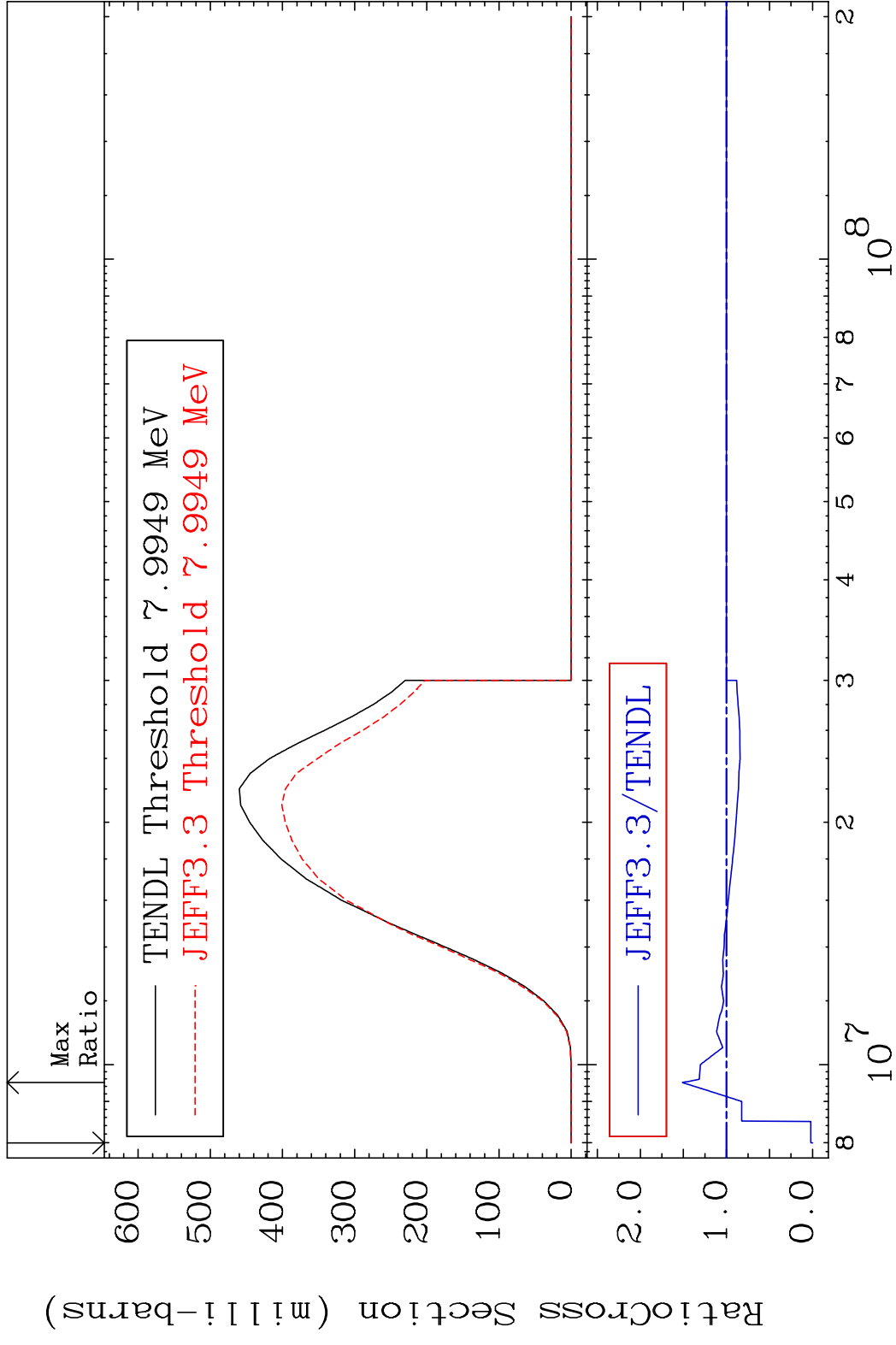
38-Sr-83

MAT 3822

(n, n') p

38-Sr-83

Cross Section -100.0 To 51.20 %



9

Incident Energy (eV)

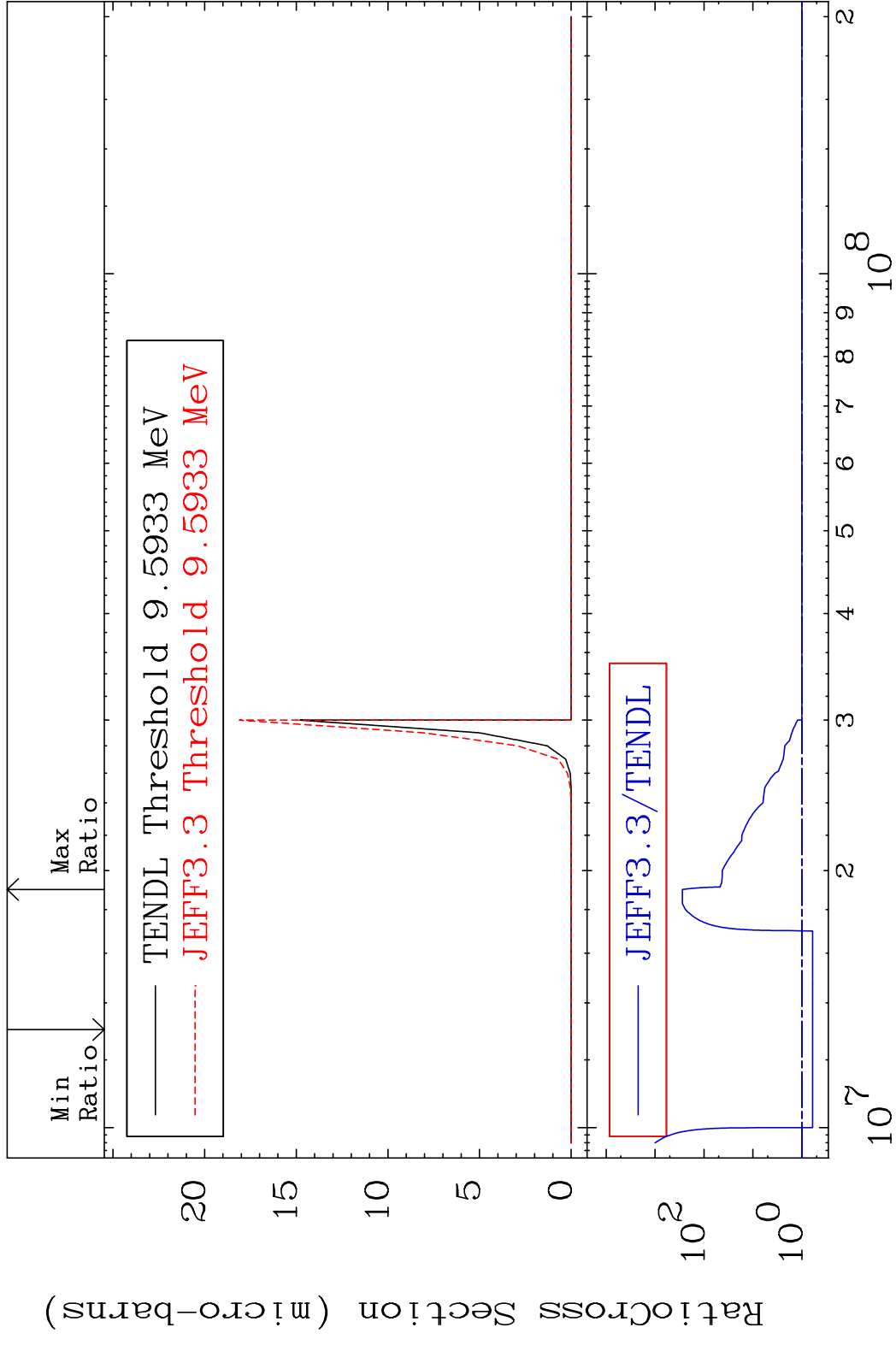
38-Sr-83

MAT 3822

(n, n') 2α

38-Sr-83

Cross Section -39.52 To 9999. %

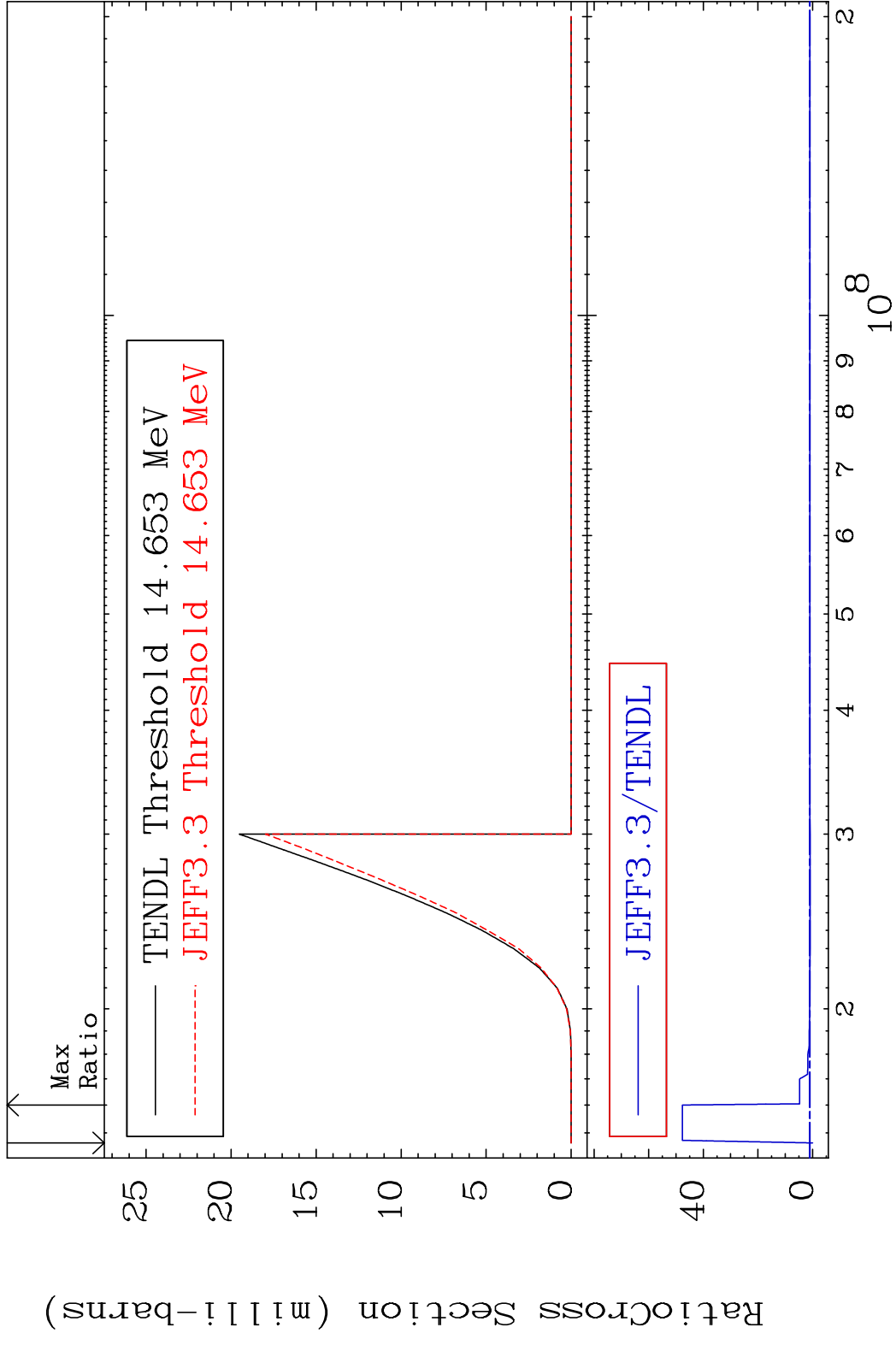


10

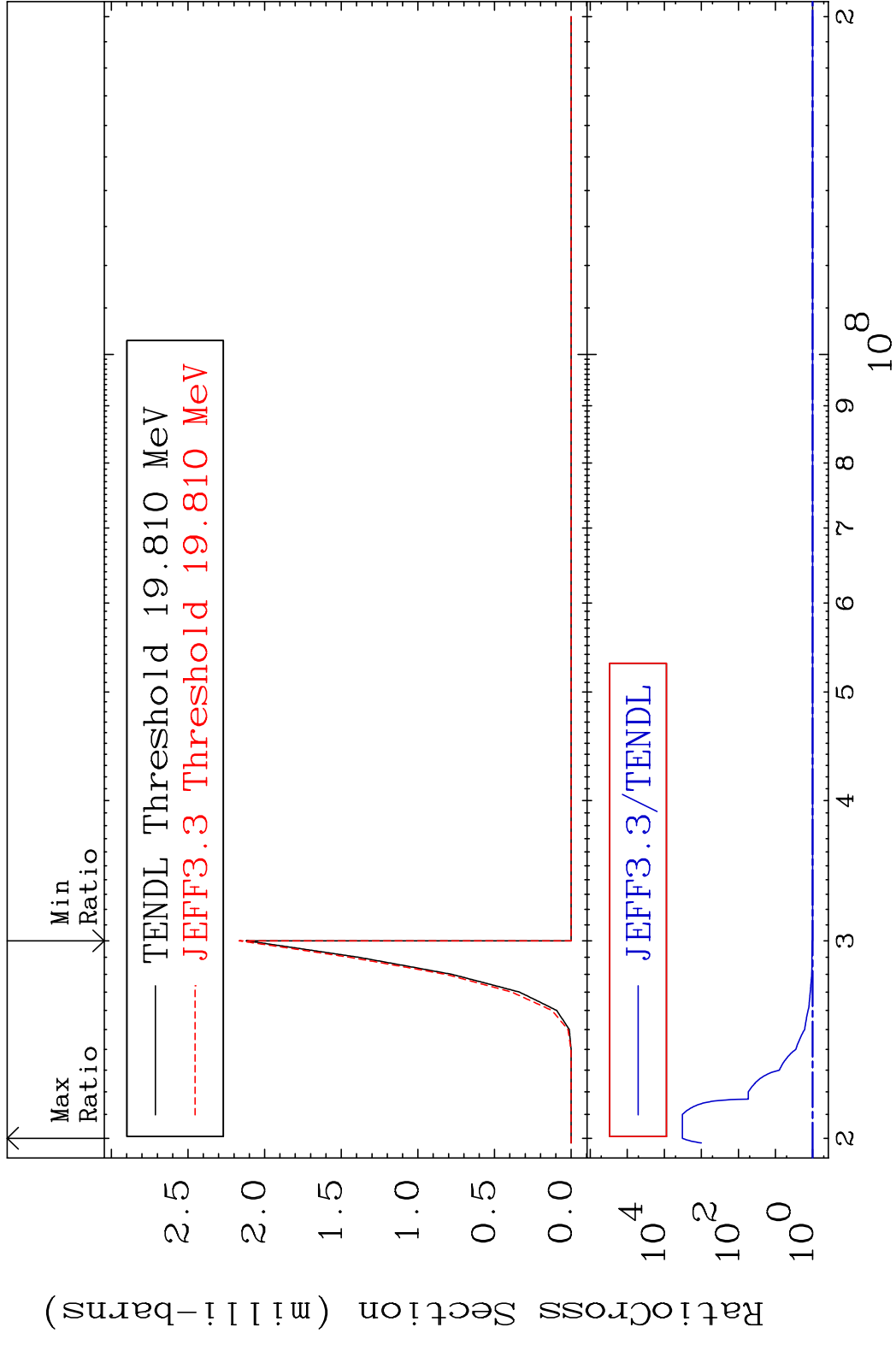
Incident Energy (eV)

38-Sr-83

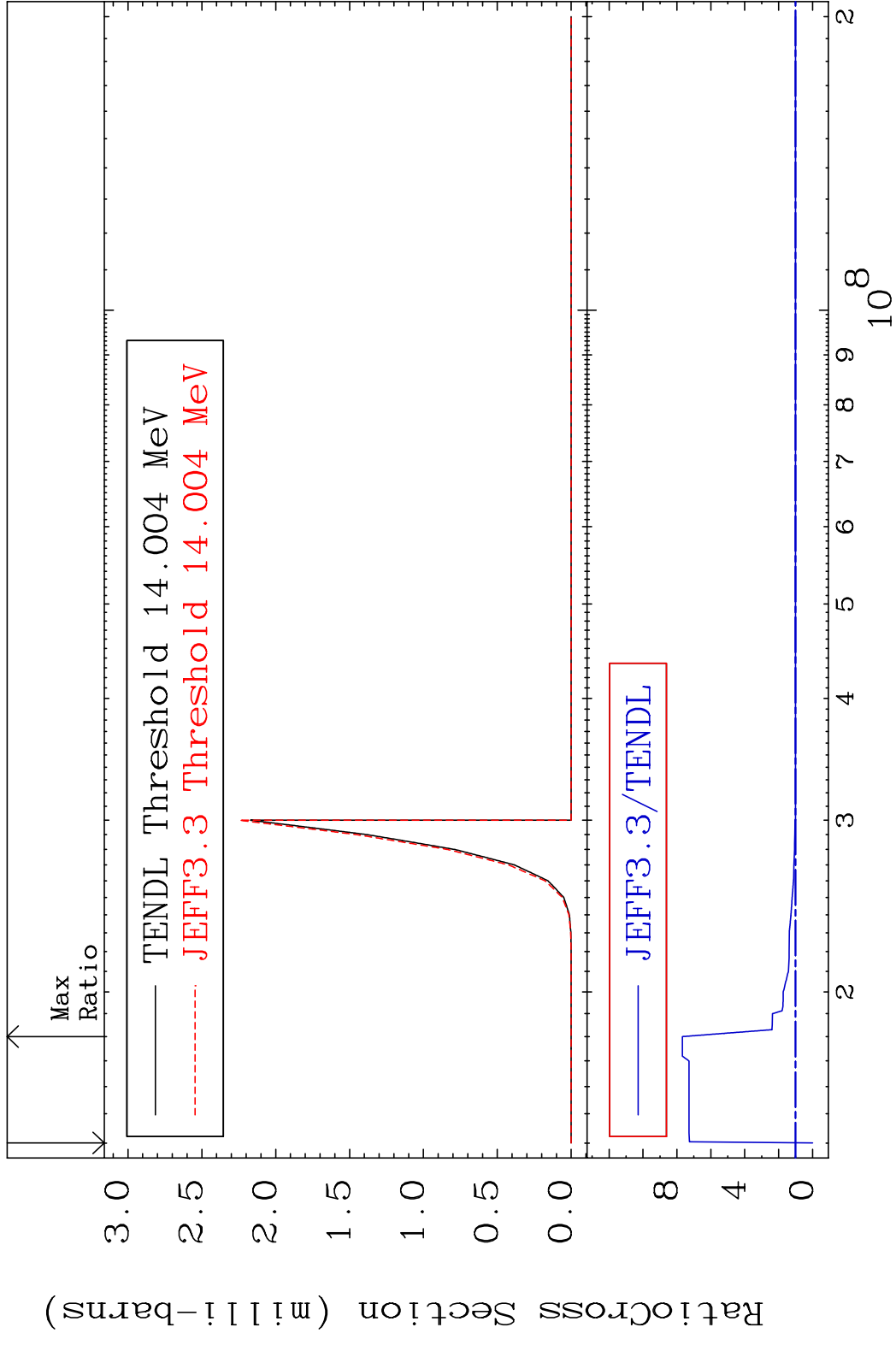
MAT 3822 (n, n') d 38-Sr-83
 Cross Section -100.0 To 4666. %



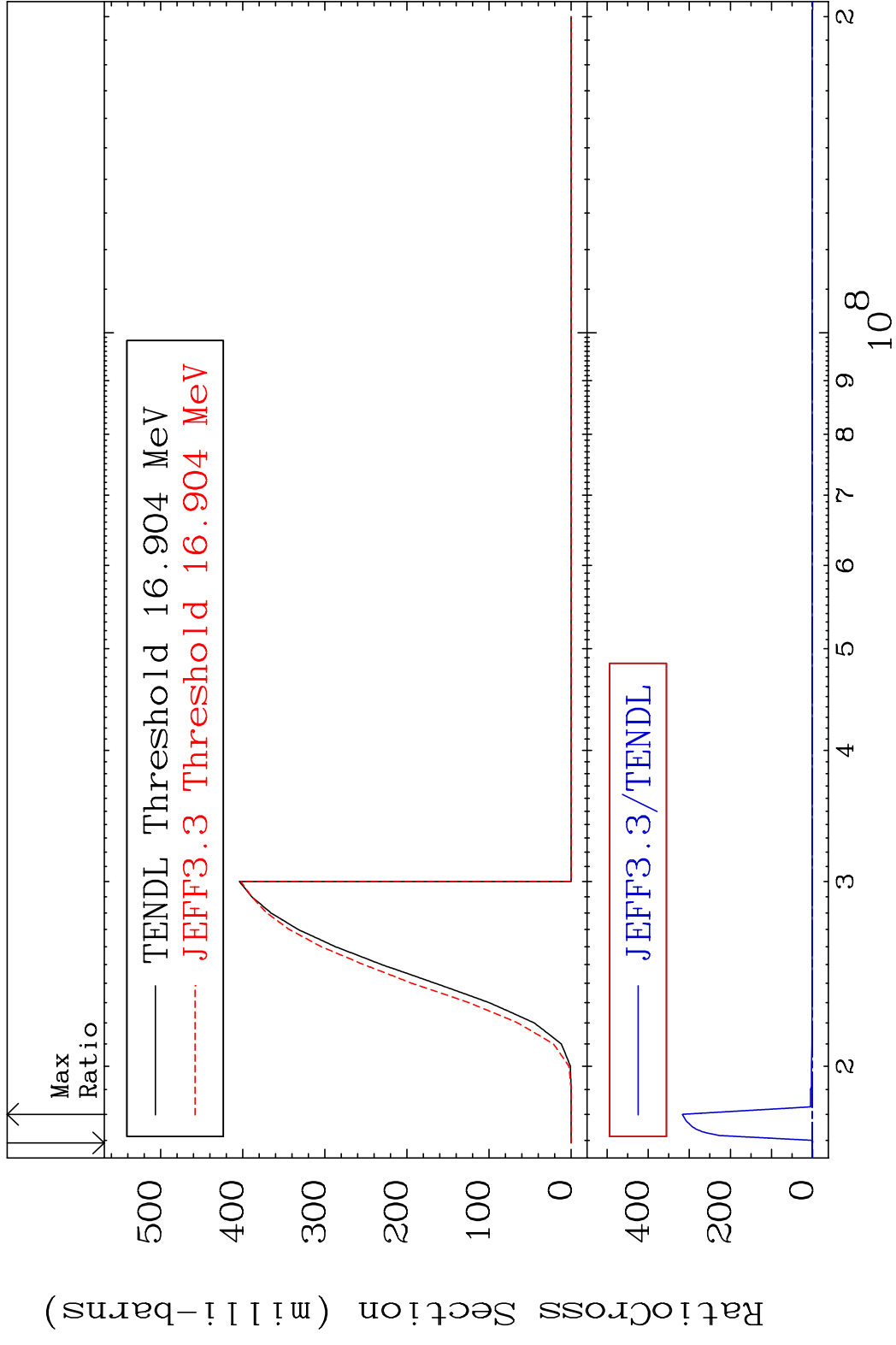
MAT 3822 (n, n') t 38-Sr-83
 Cross Section 0.000 To 9999. %



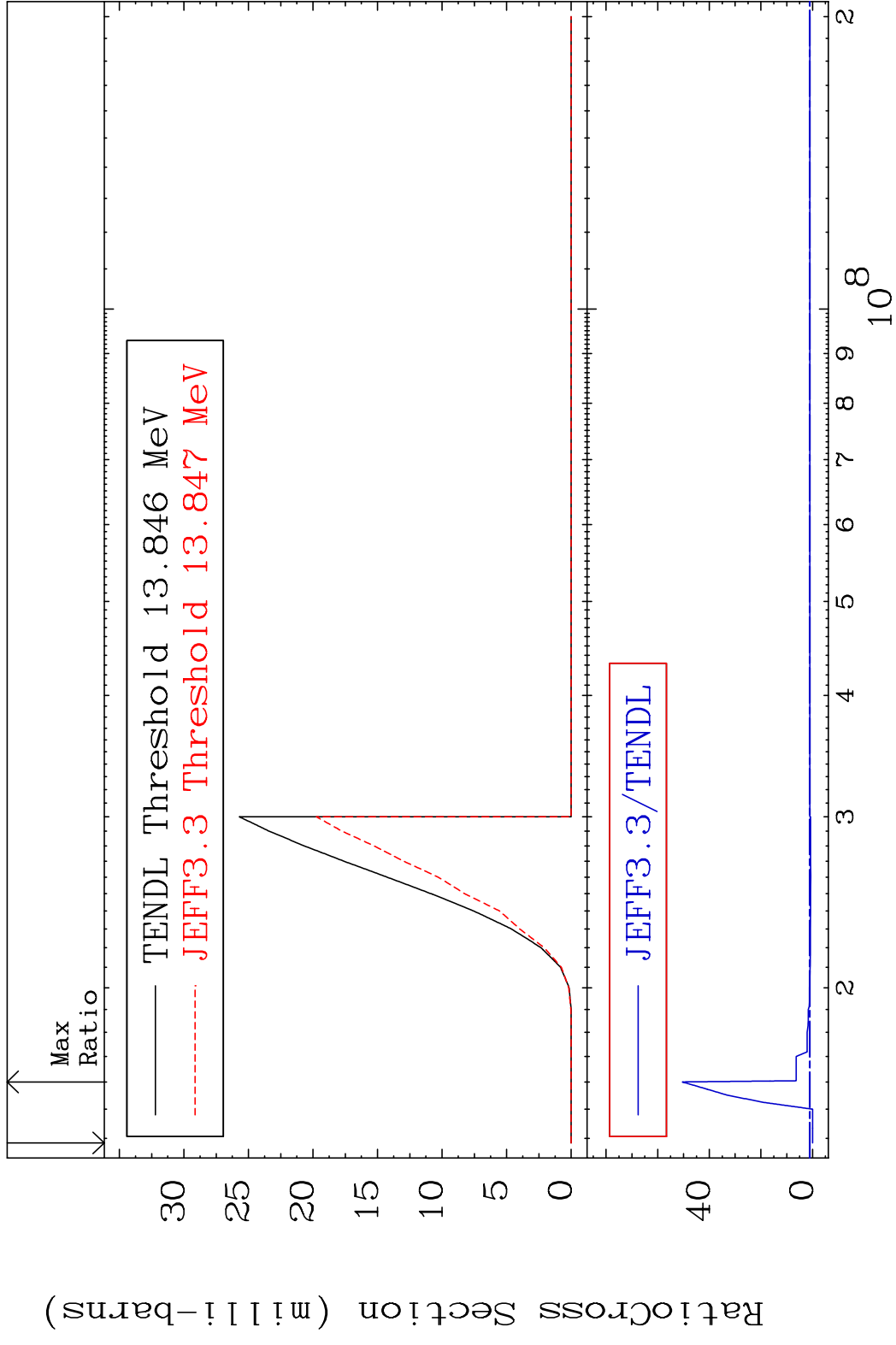
MAT 3822 (n,n') He-3 38-Sr-83
 Cross Section -100.0 To 668.1 %



MAT 3822 (n,2n) p 38-Sr-83
 Cross Section -100.0 To 9999. %



MAT 3822 (n,2n) p 38-Sr-83
 Cross Section -100.0 To 4945. %

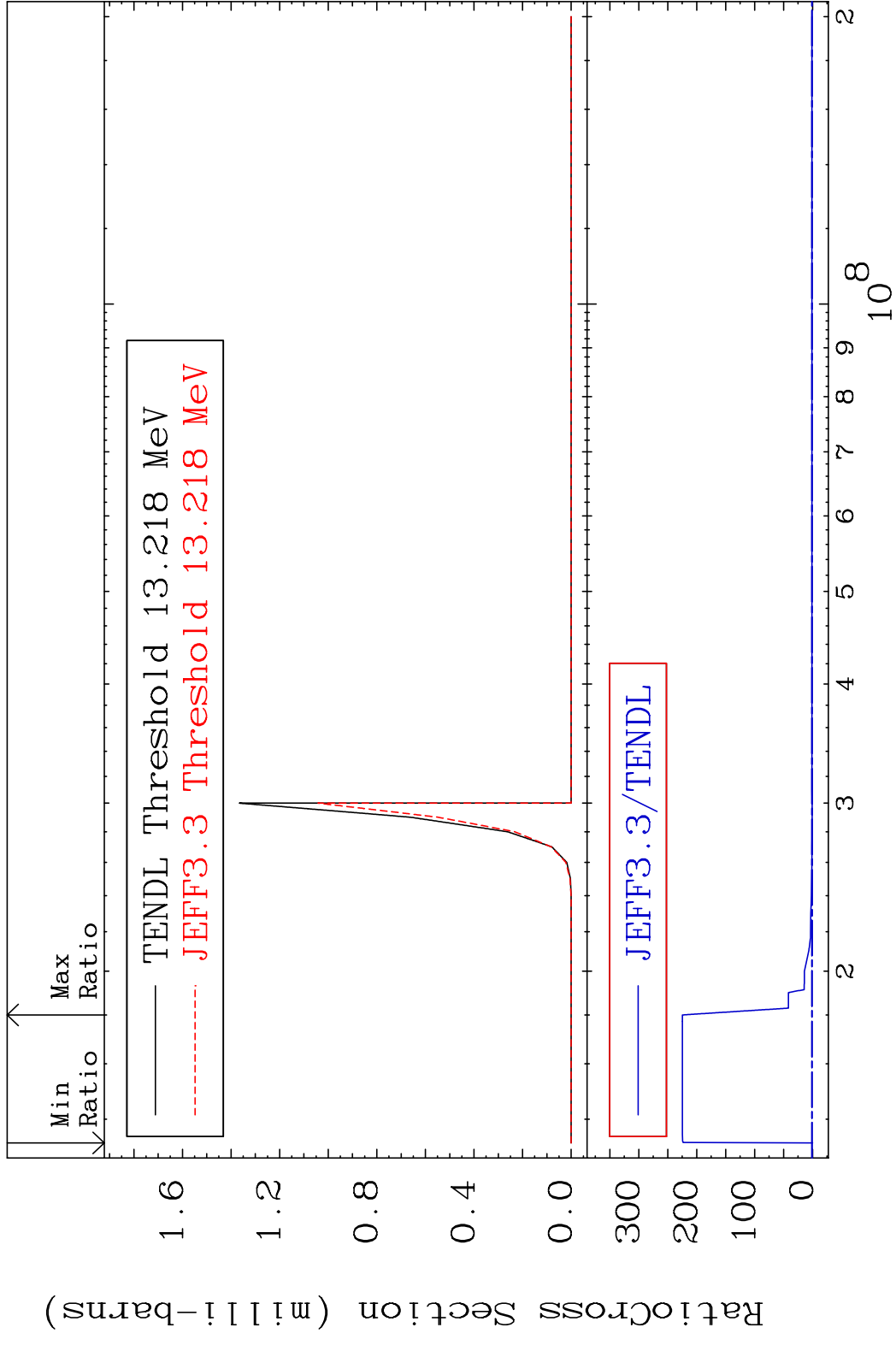


MAT 3822

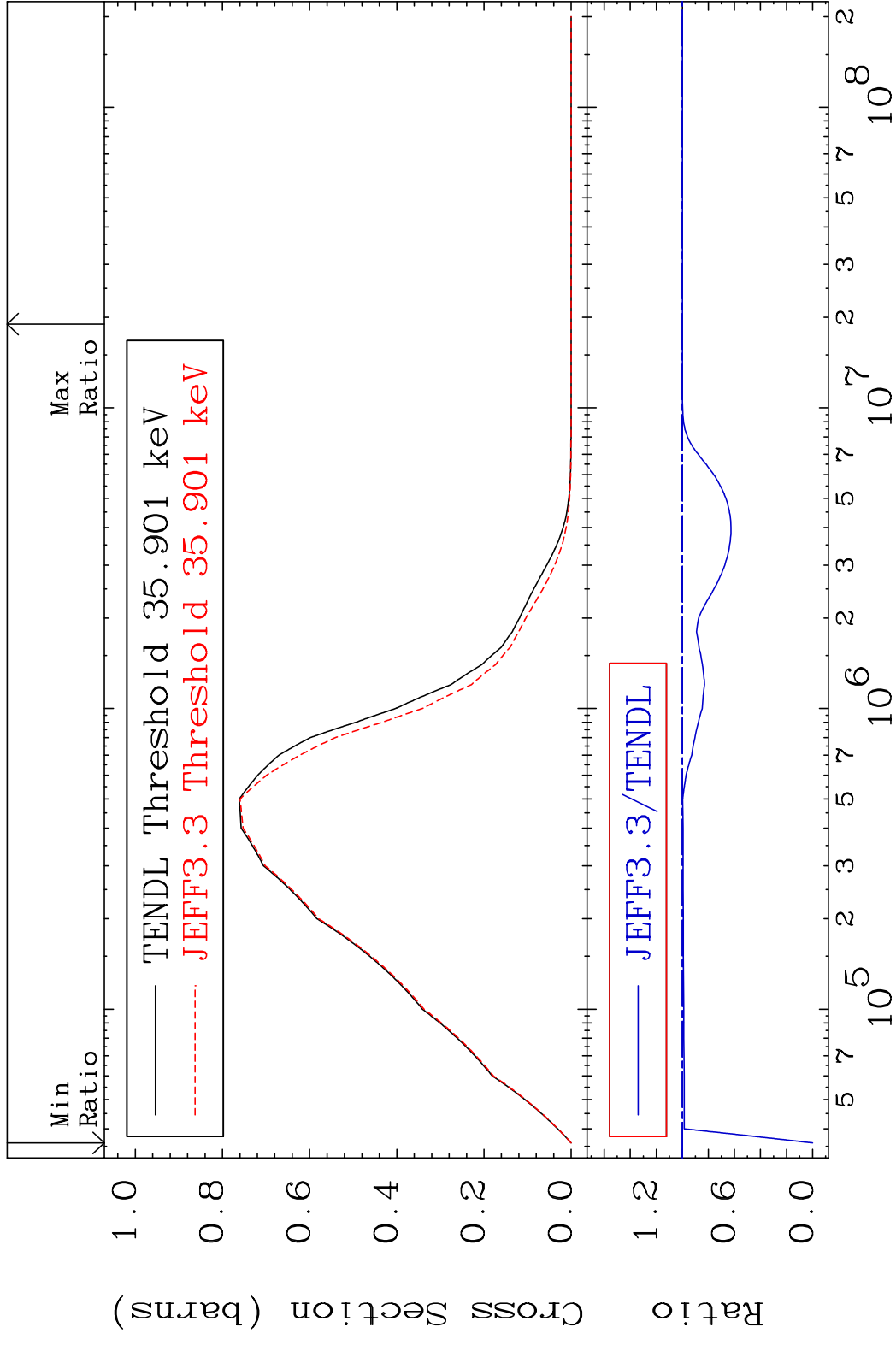
(n,n') p α

38-Sr-83

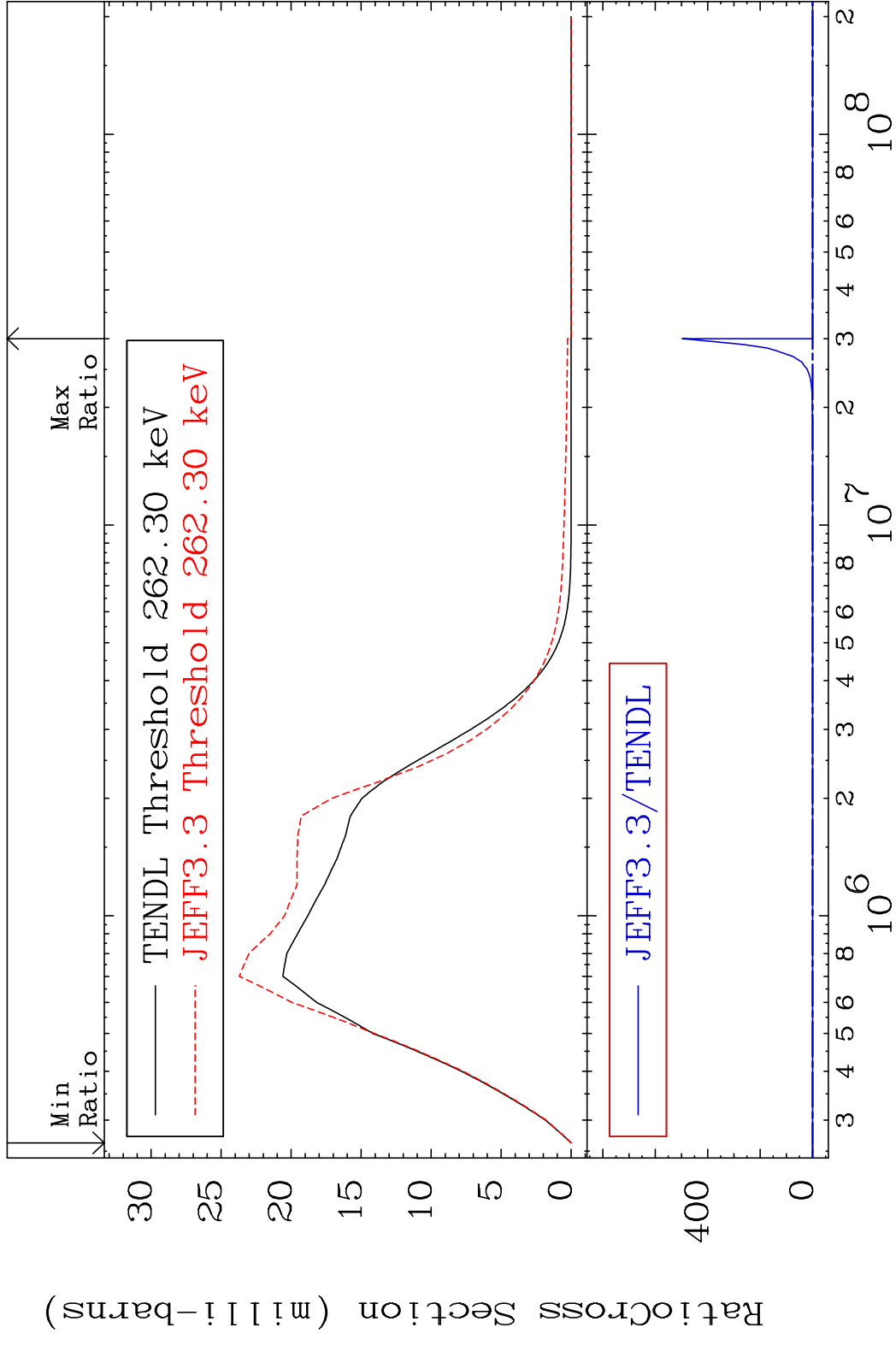
Cross Section -100.0 To 9999. %



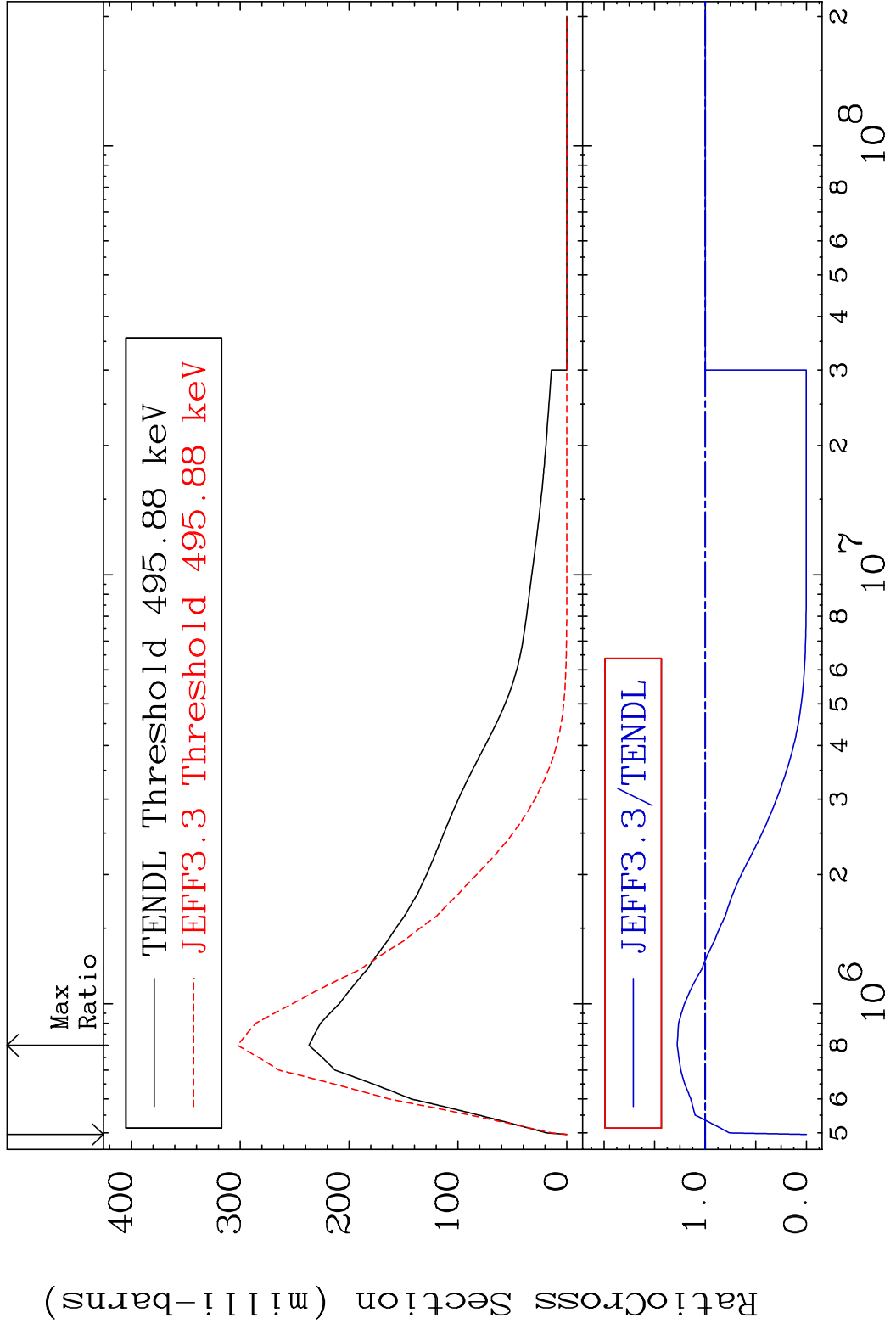
MAT 3822 MT= 51 (n,n') Level 38-Sr-83
 Cross Section -100.0 To 0.000 %



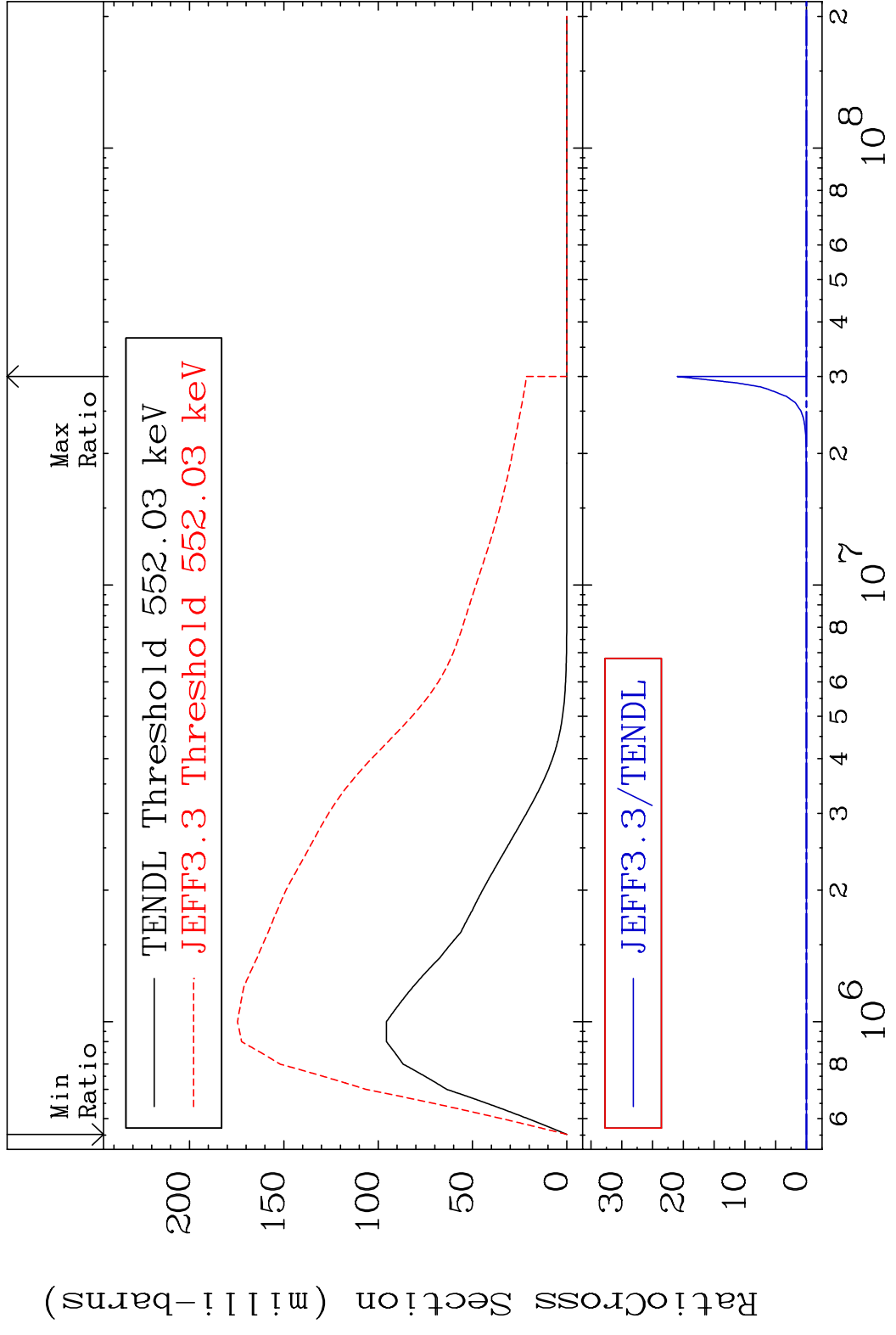
MAT 3822 MT= 52 (n,n') Level 38-Sr-83
 Cross Section -100.0 To 9999. %



MAT 3822 MT= 53 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 27.71 %

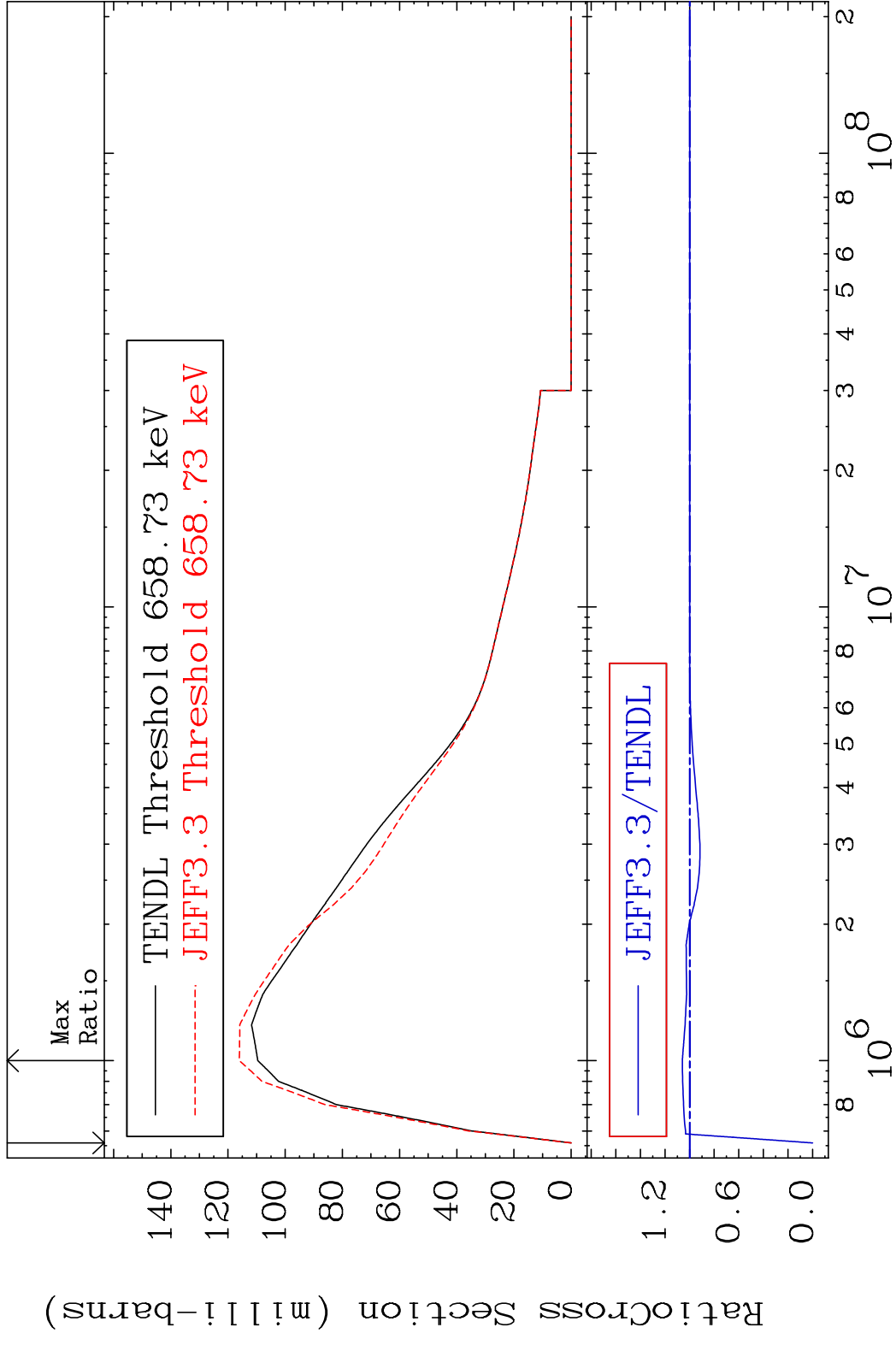


MAT 3822 MT= 54 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 9999. %

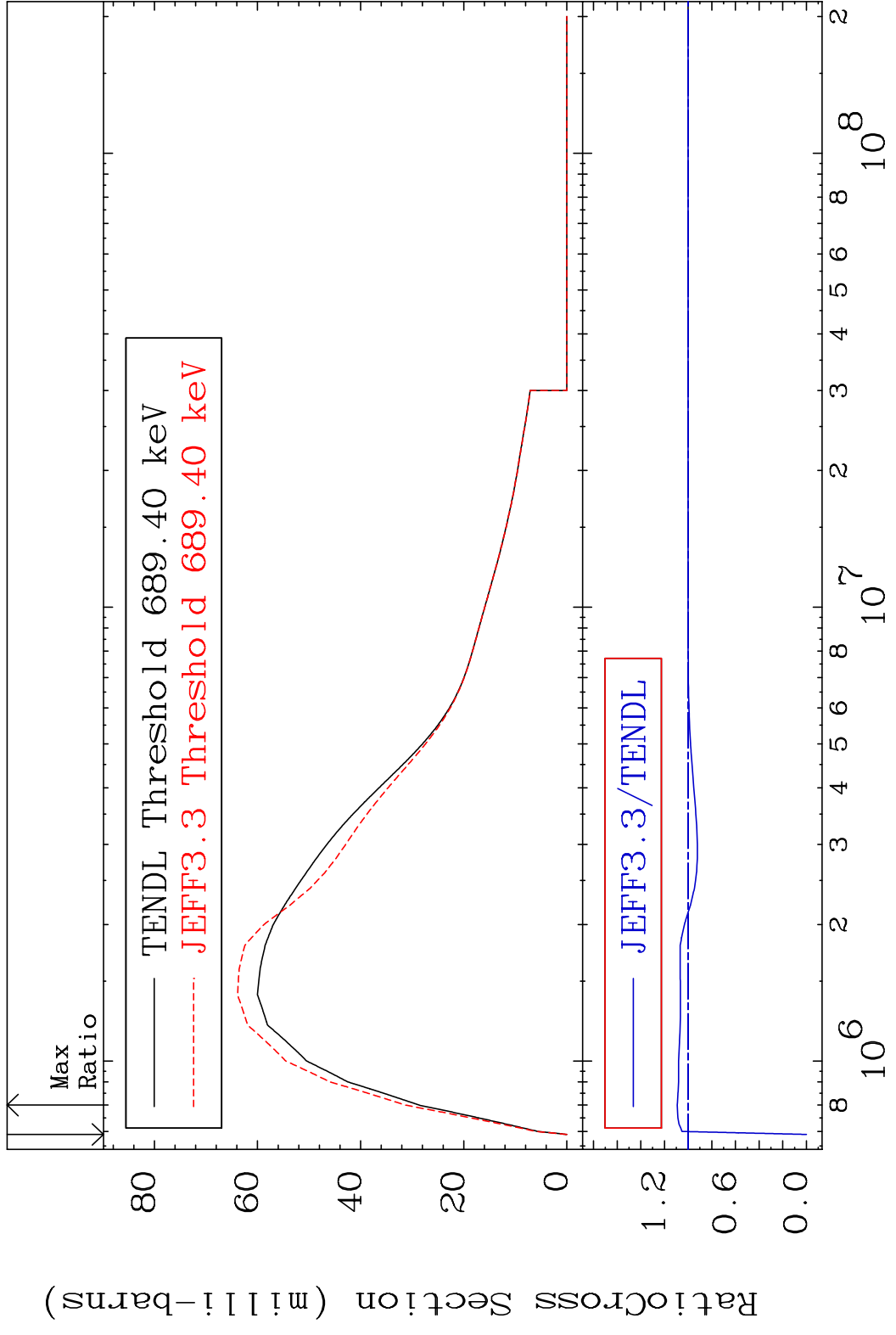


20 38-Sr-83

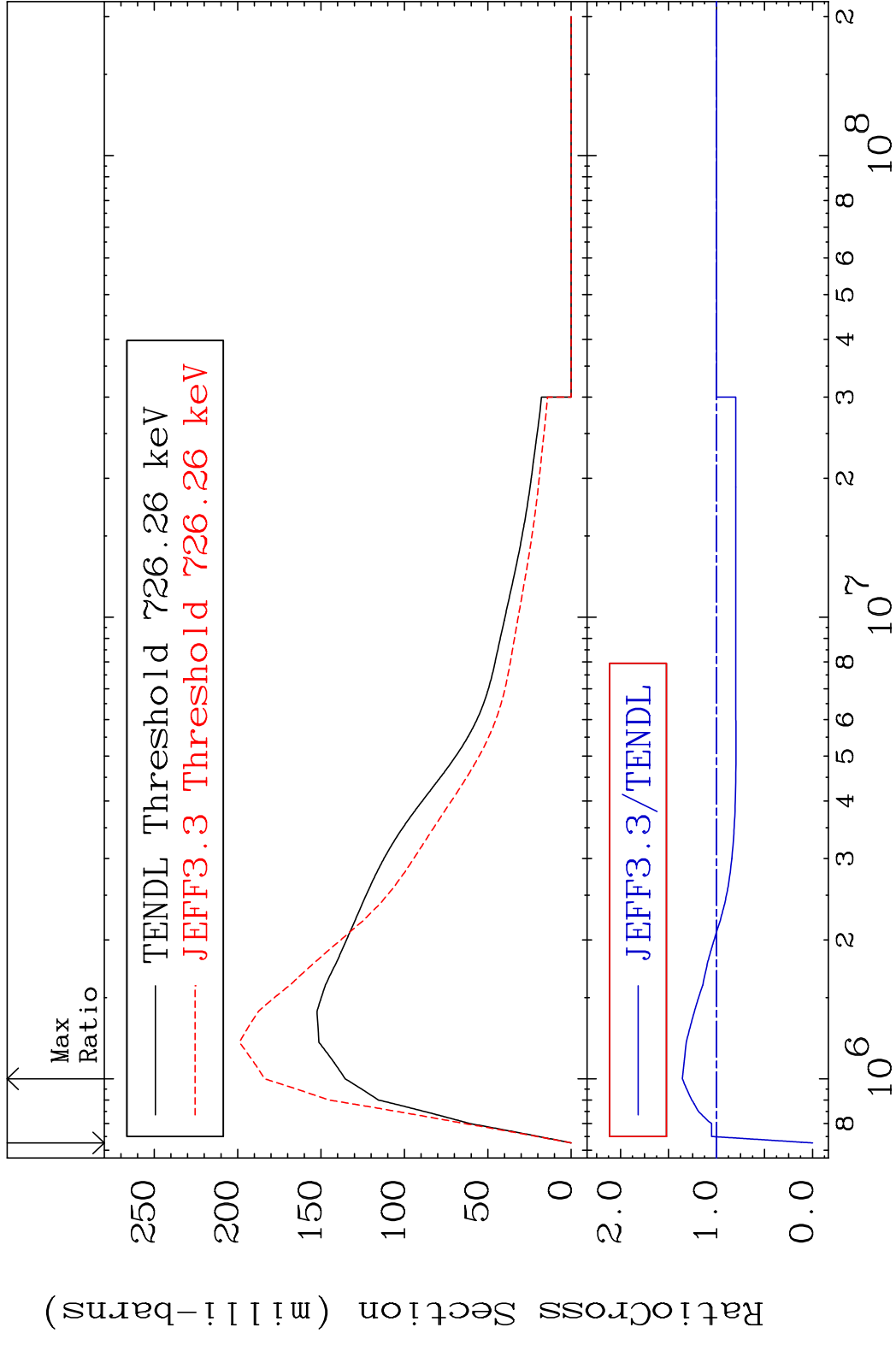
MAT 3822 MT= 55 (n,n') Level 38-Sr-83
 Cross Section -100.0 To 5.895 %



MAT 3822 MT= 56 (n,n') Level 38-Sr-83
 Cross Section -100.0 To 9.259 %

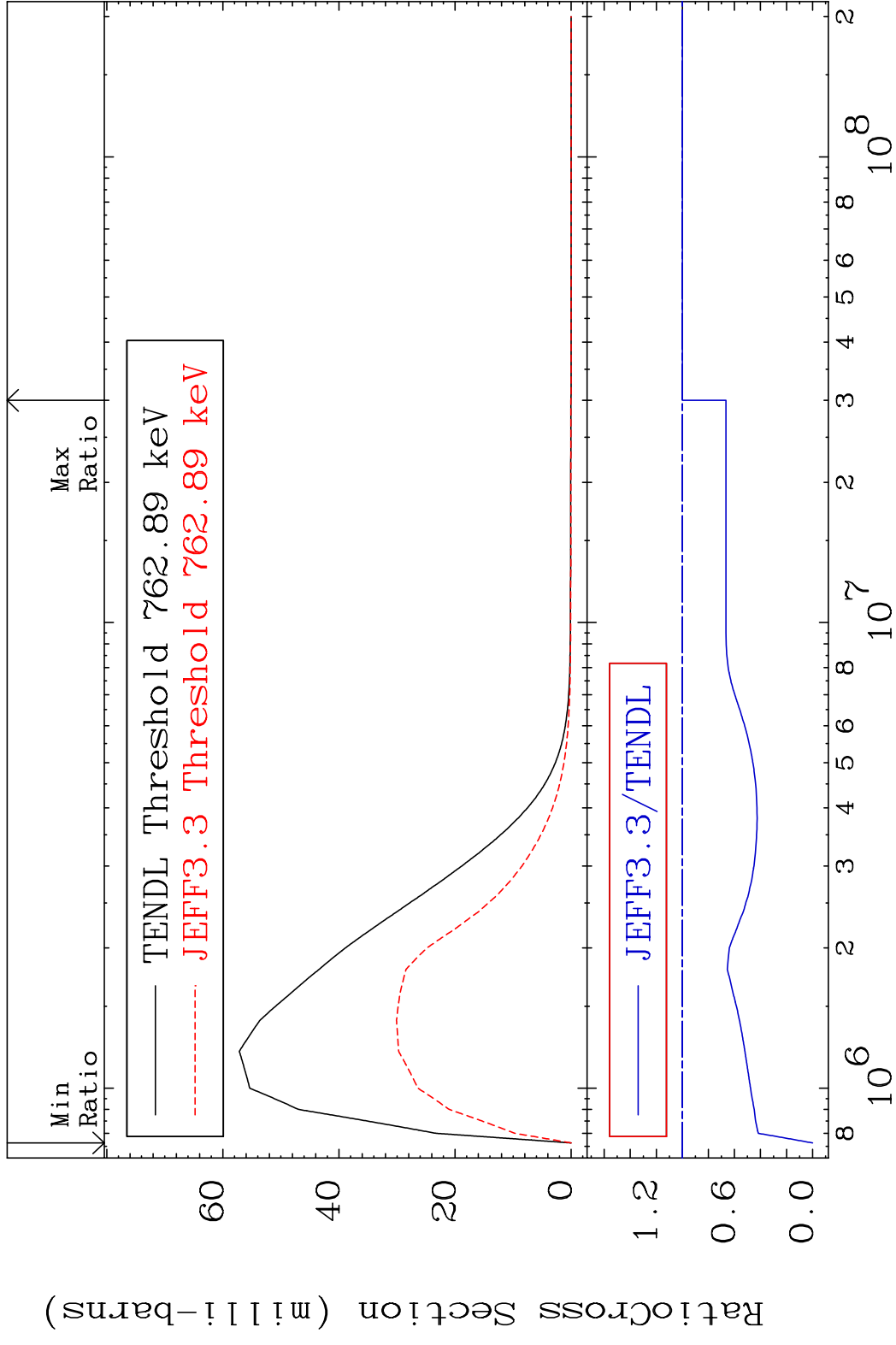


MAT 3822 MT= 57 (n,n') Level 38-Sr-83
 Cross Section -100.0 To 35.62 %

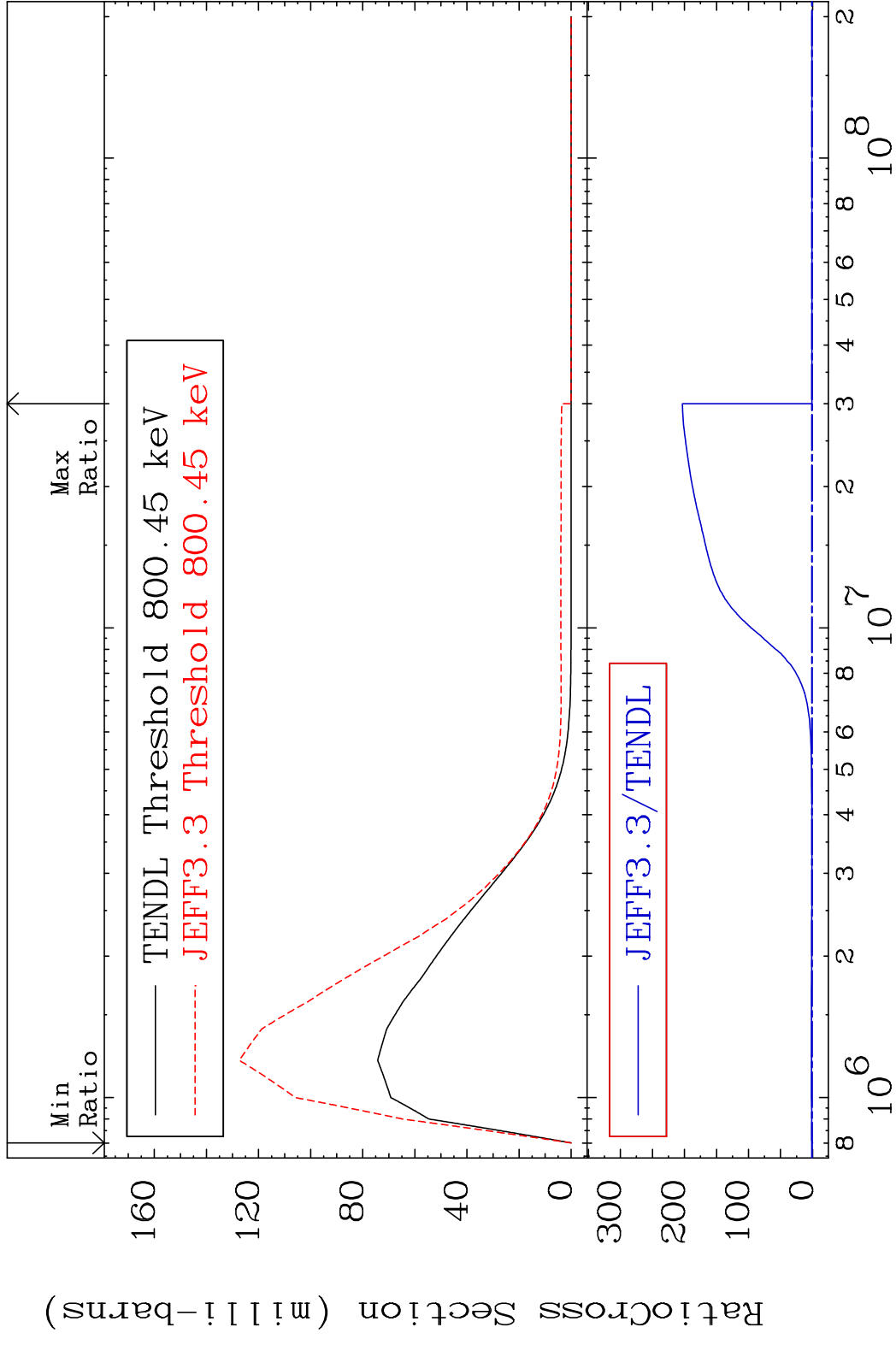


23 Incident Energy (eV) 38-Sr-83

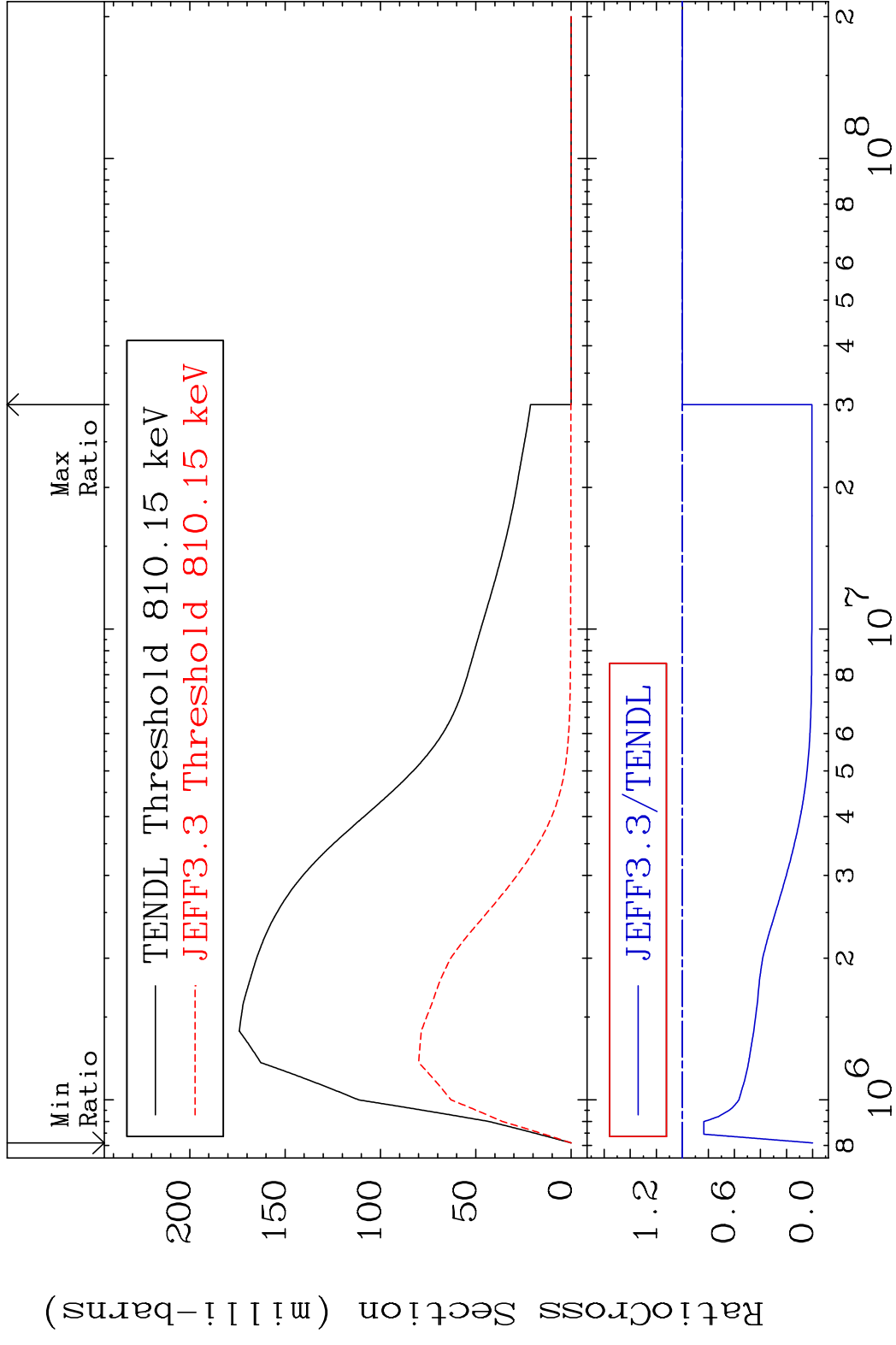
MAT 3822 MT= 58 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 0.000 %



MAT 3822 MT= 59 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 9999. %

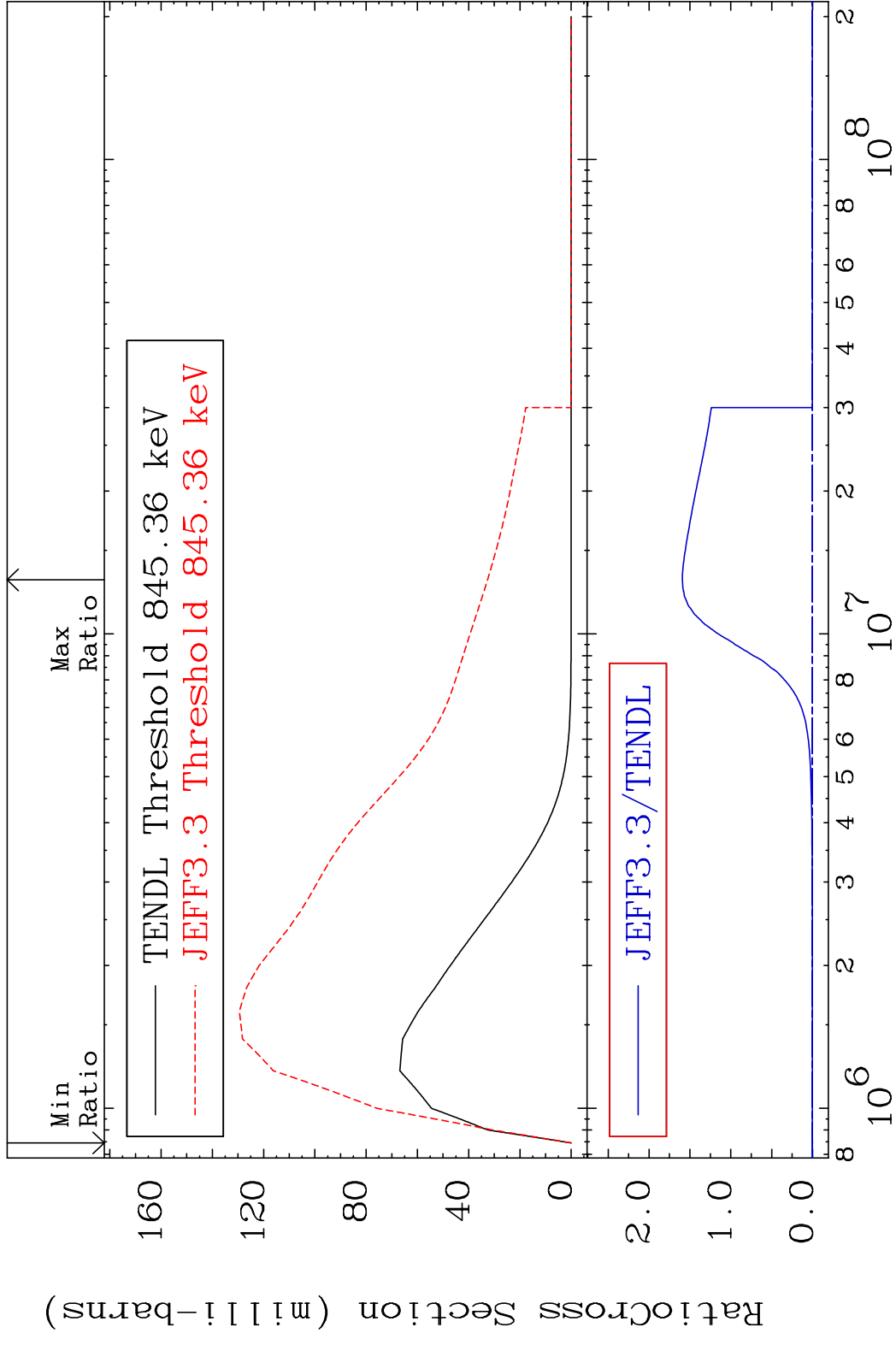


MAT 3822 MT= 60 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 0.000 %

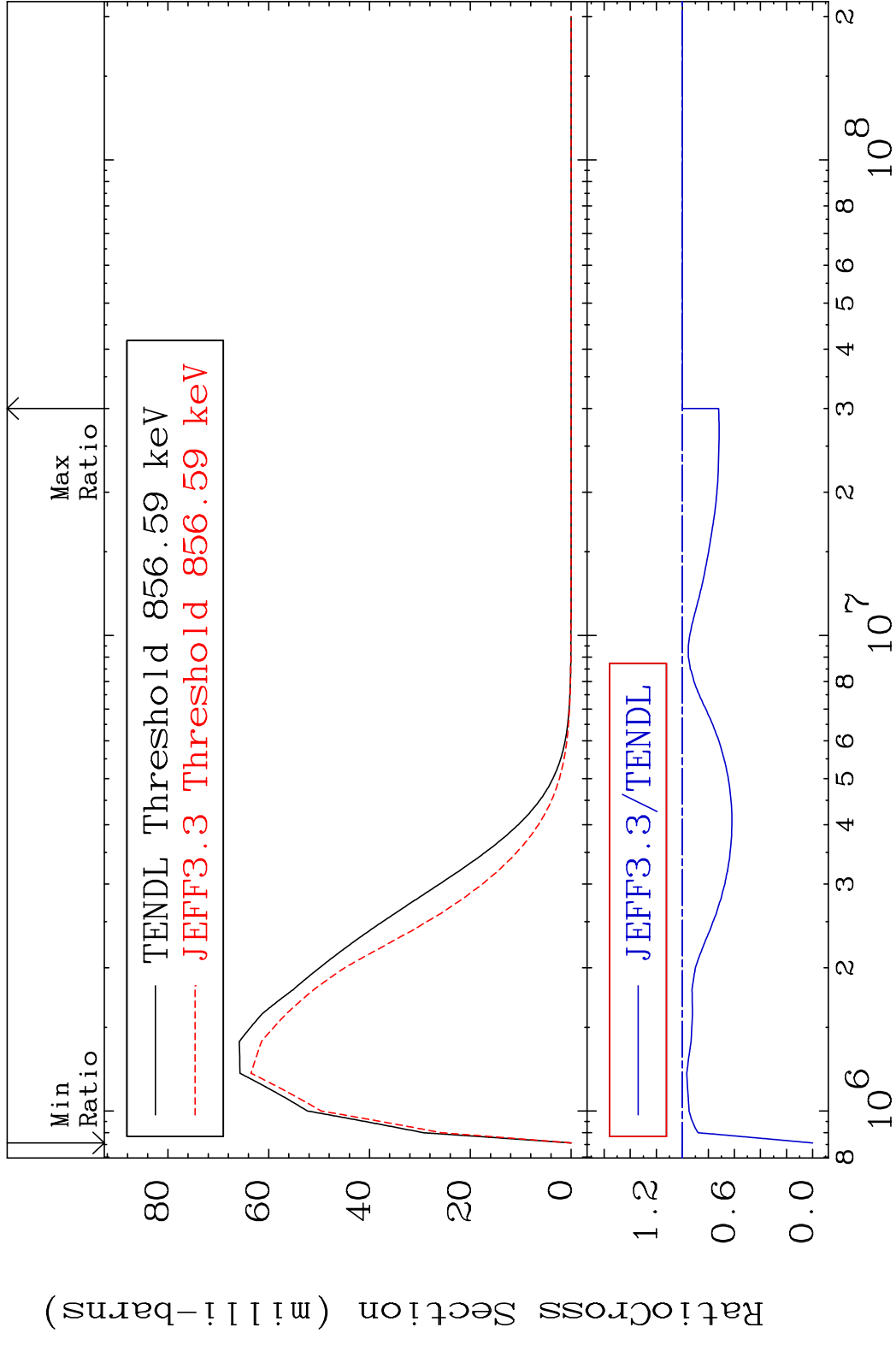


26 Incident Energy (eV) 38-Sr-83

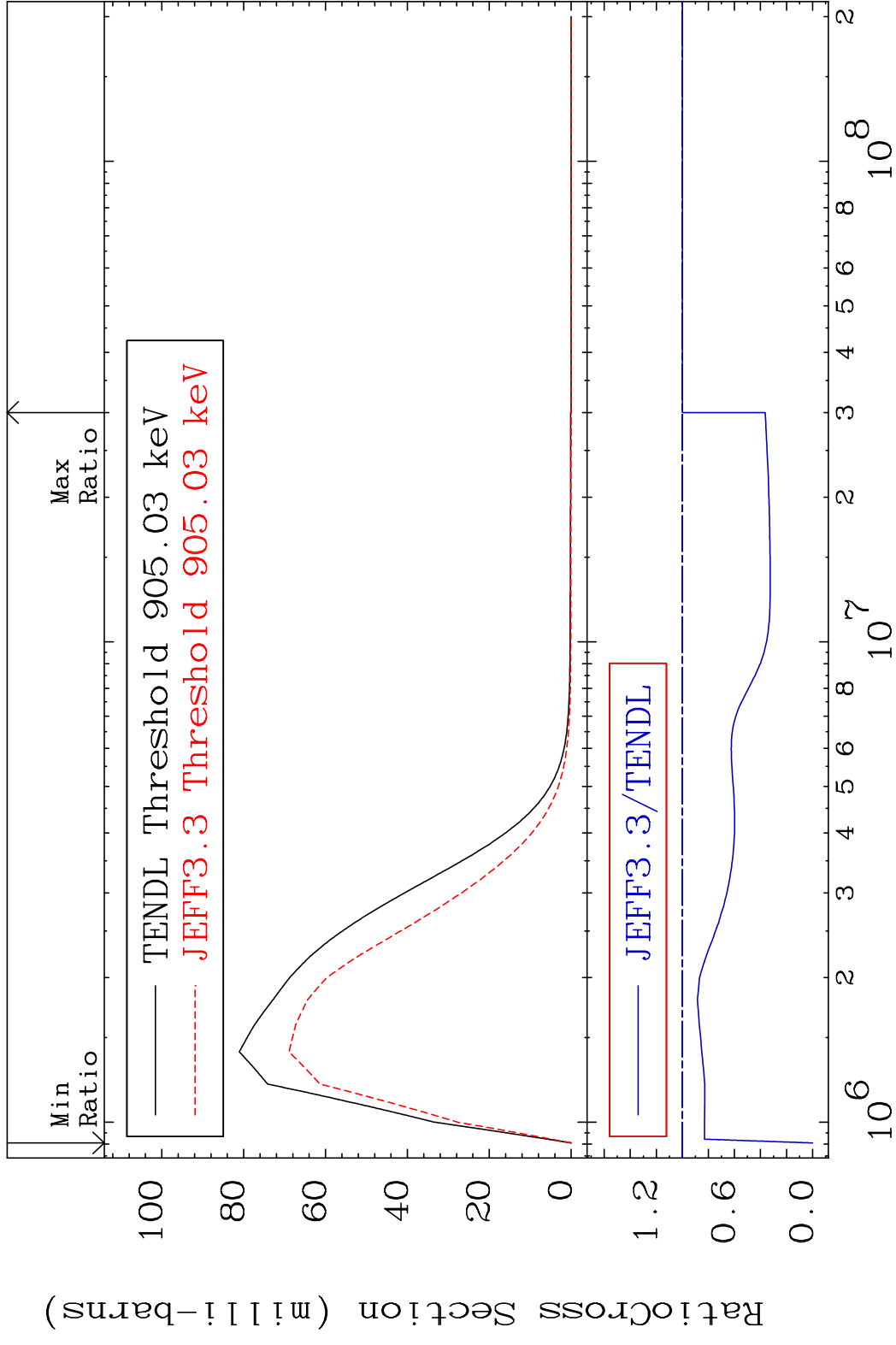
MAT 3822 MT= 61 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 9999. %



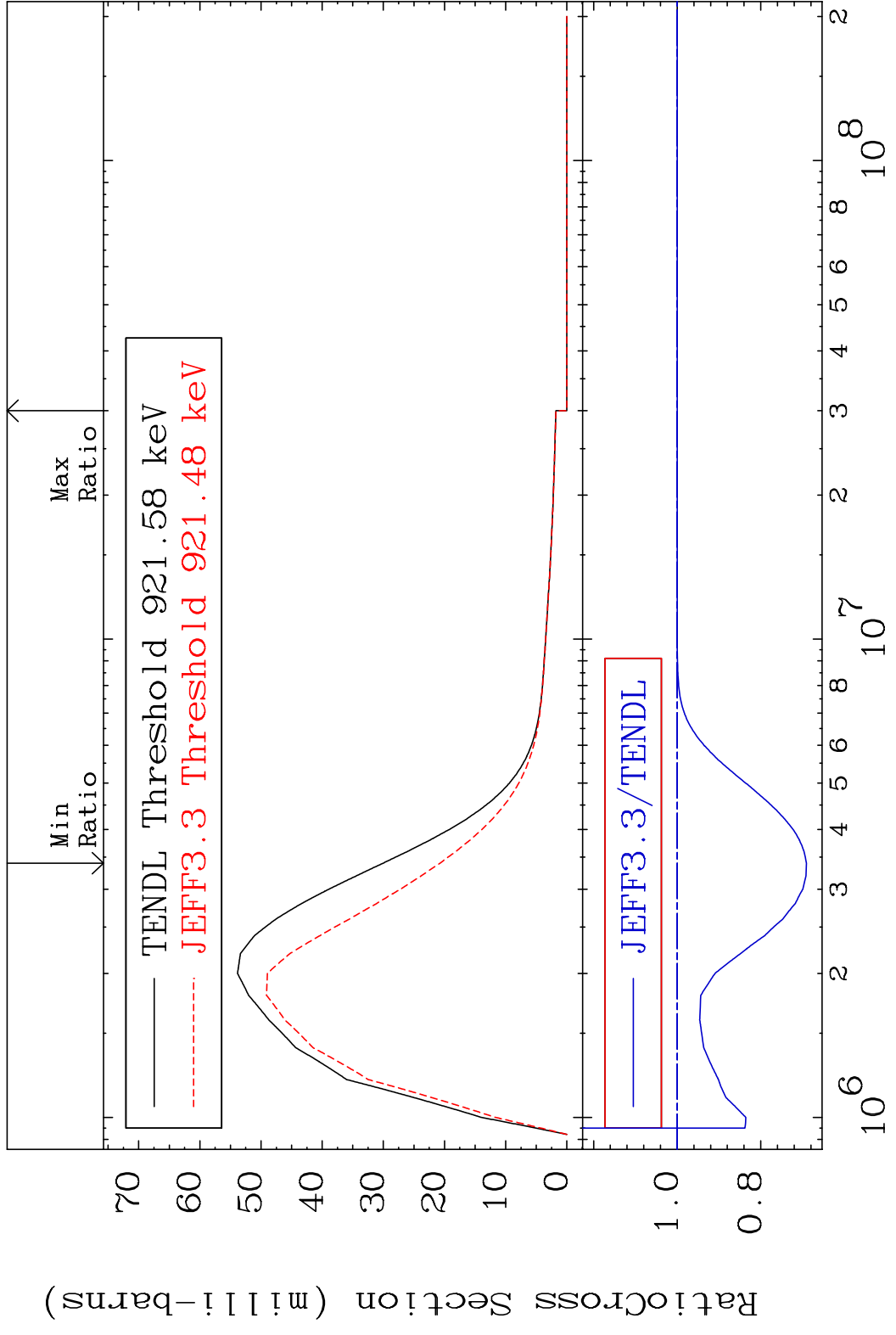
MAT 3822 MT= 62 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 0.000 %



MAT 3822 MT= 63 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 0.000 %

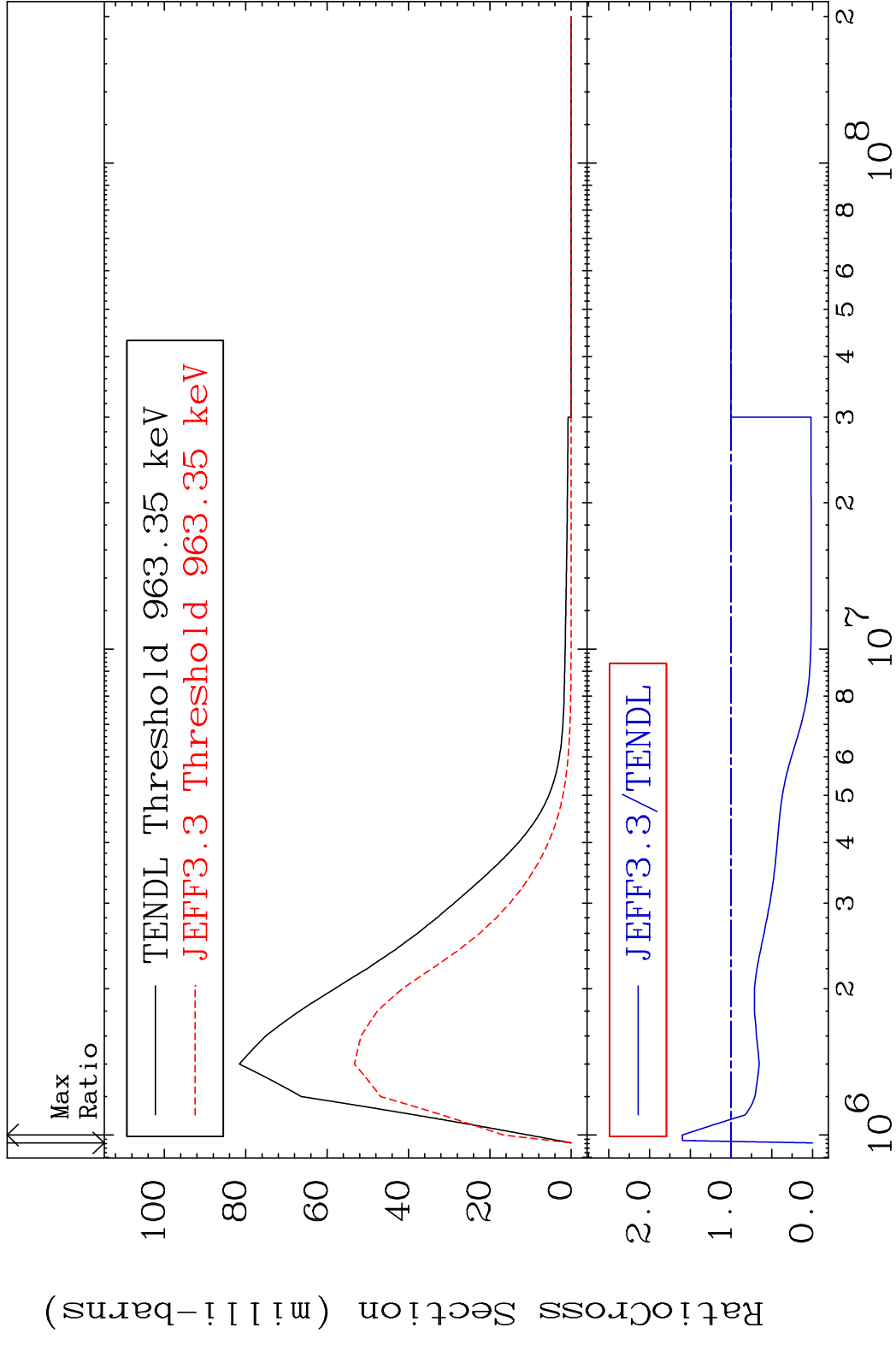


MAT 3822 MT= 64 (n, n') Level 38-Sr-83
 Cross Section -30.92 To 0.000 %

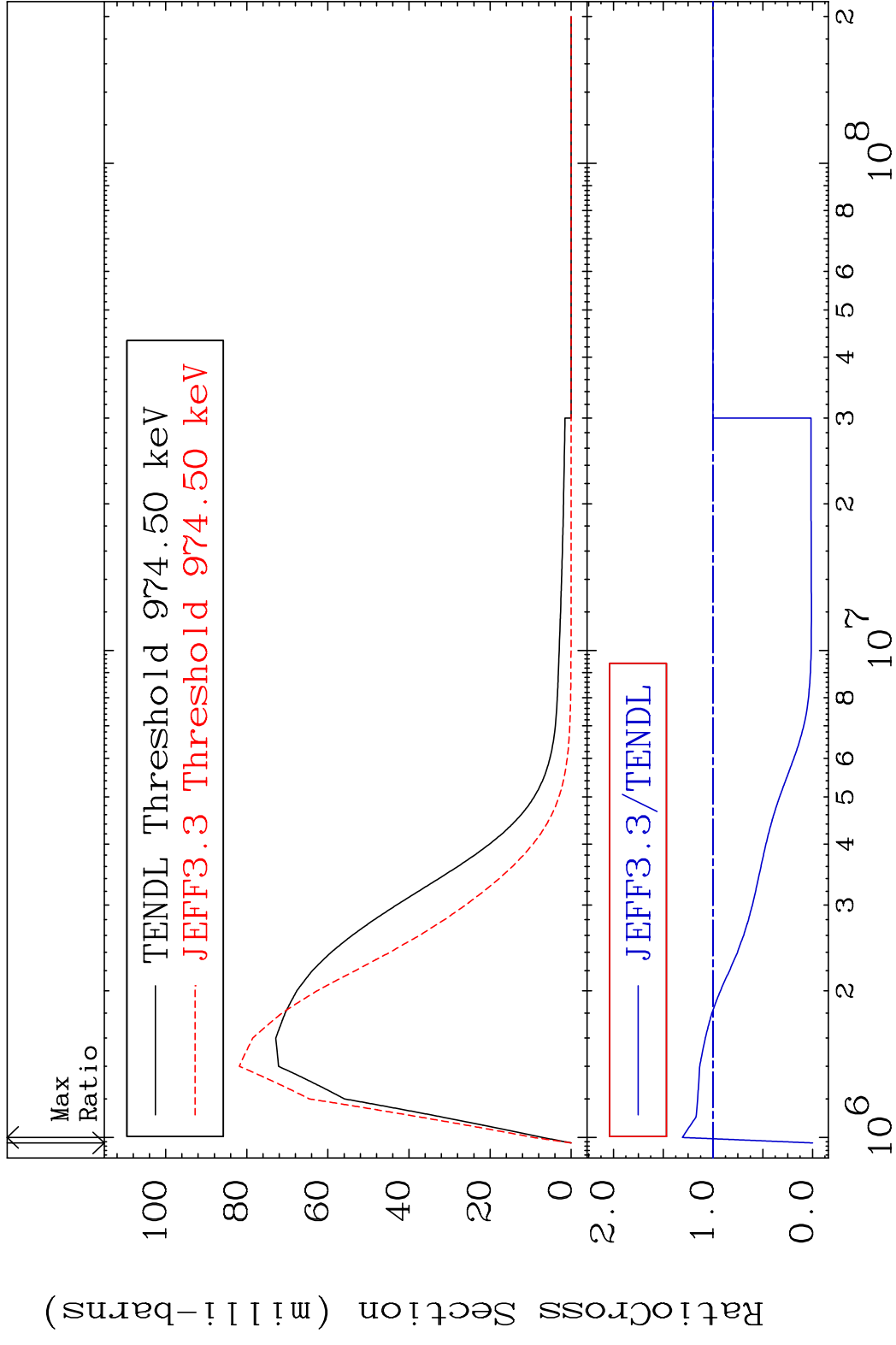


30 10⁶ 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 38-Sr-83

MAT 3822 MT= 65 (n,n') Level 38-Sr-83
 Cross Section -100.0 To 59.74 %

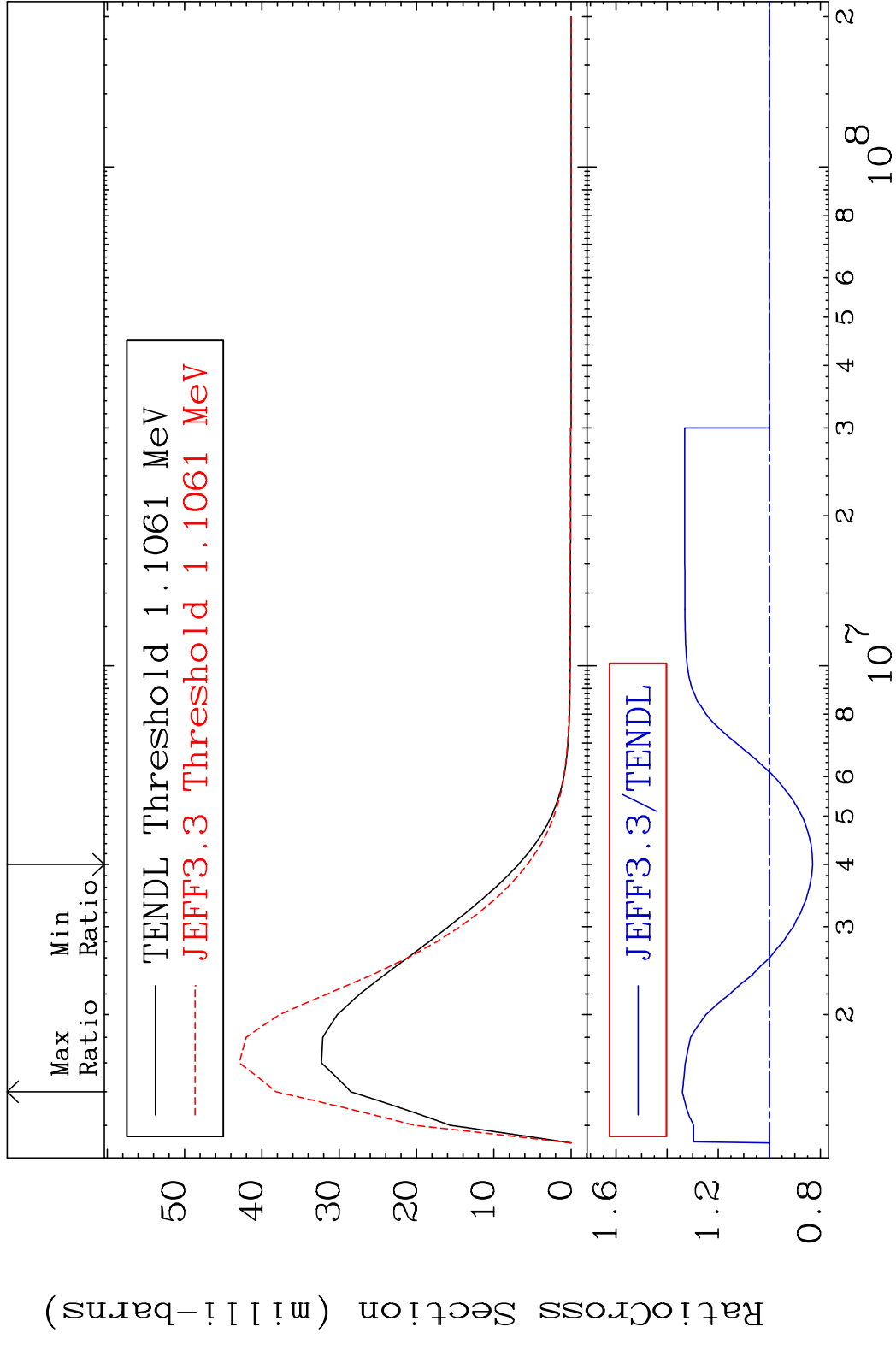


MAT 3822 MT= 66 (n,n') Level 38-Sr-83
 Cross Section -100.0 To 30.80 %

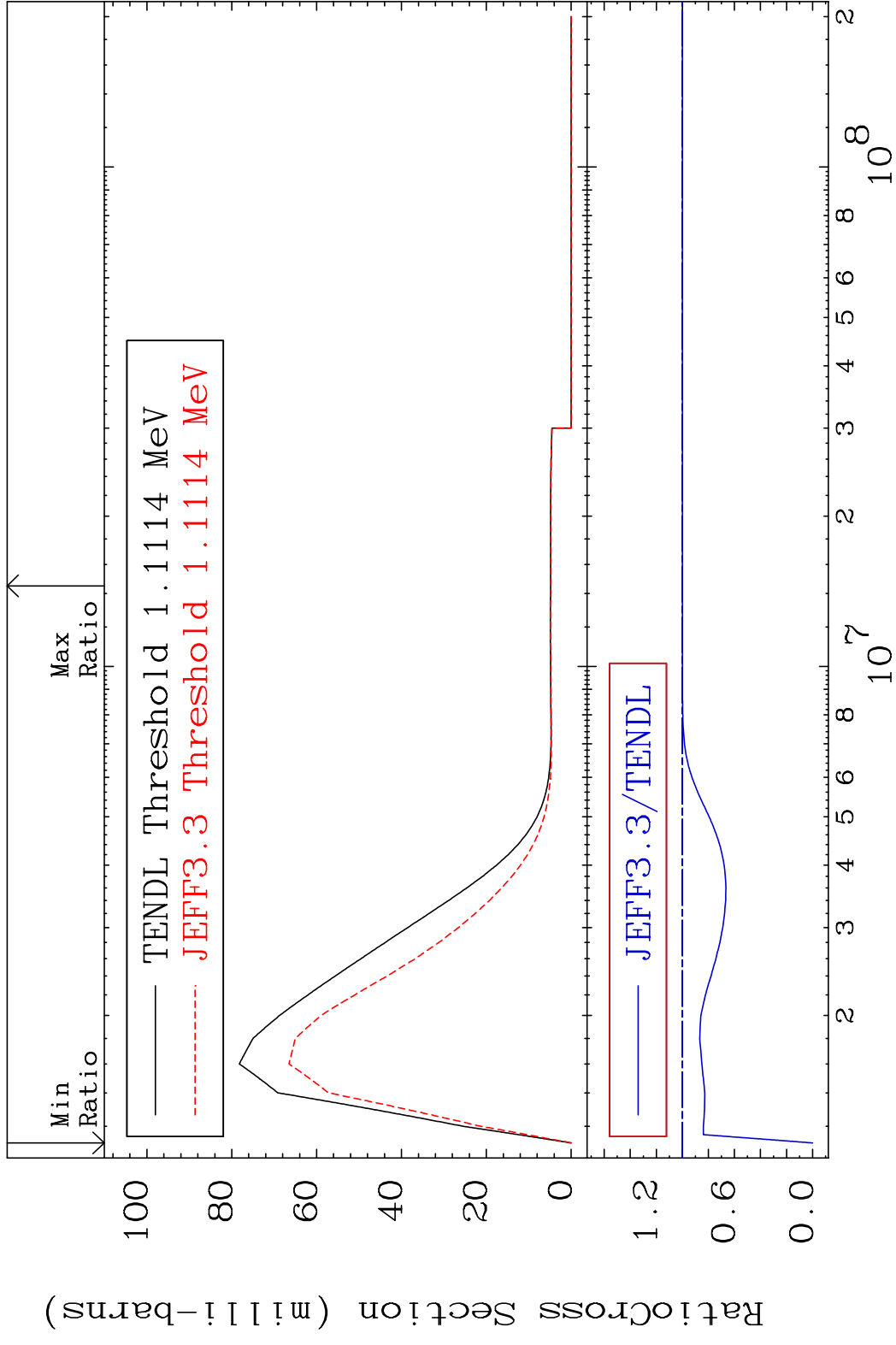


32 Incident Energy (eV) 38-Sr-83

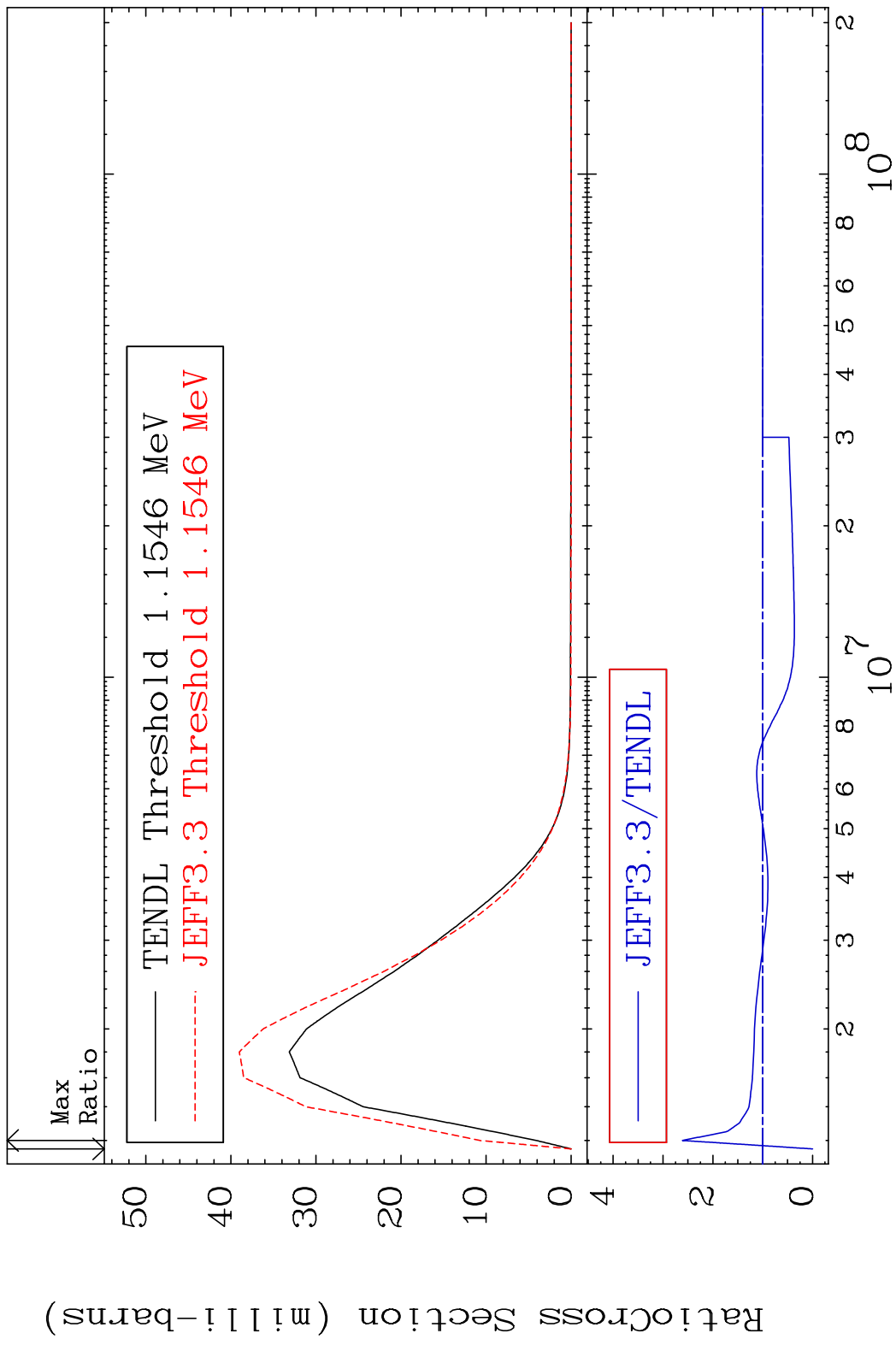
MAT 3822 MT= 67 (n, n') Level 38-Sr-83
 Cross Section -16.95 To 34.01 %



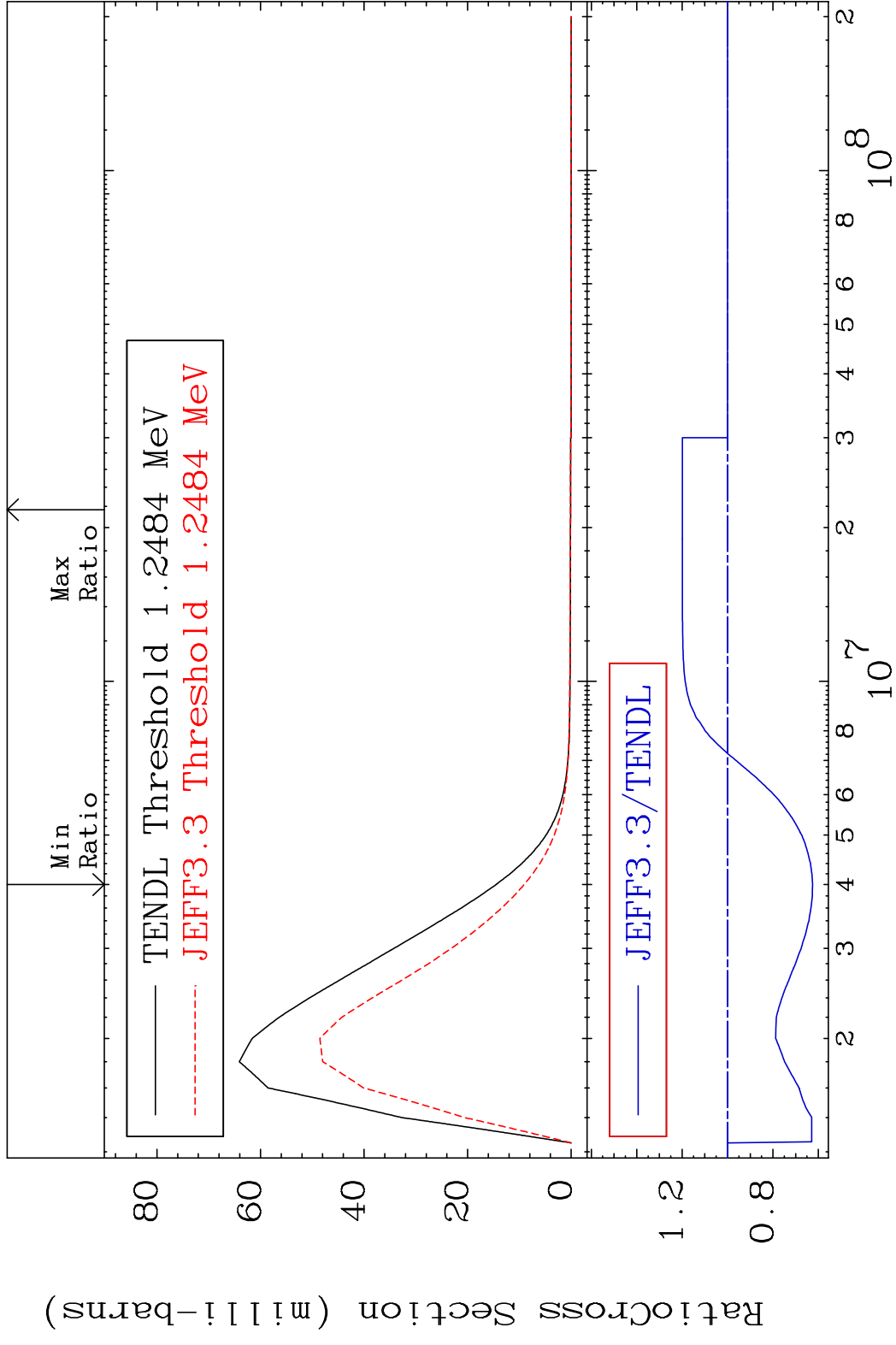
MAT 3822 MT= 68 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 0.000 %



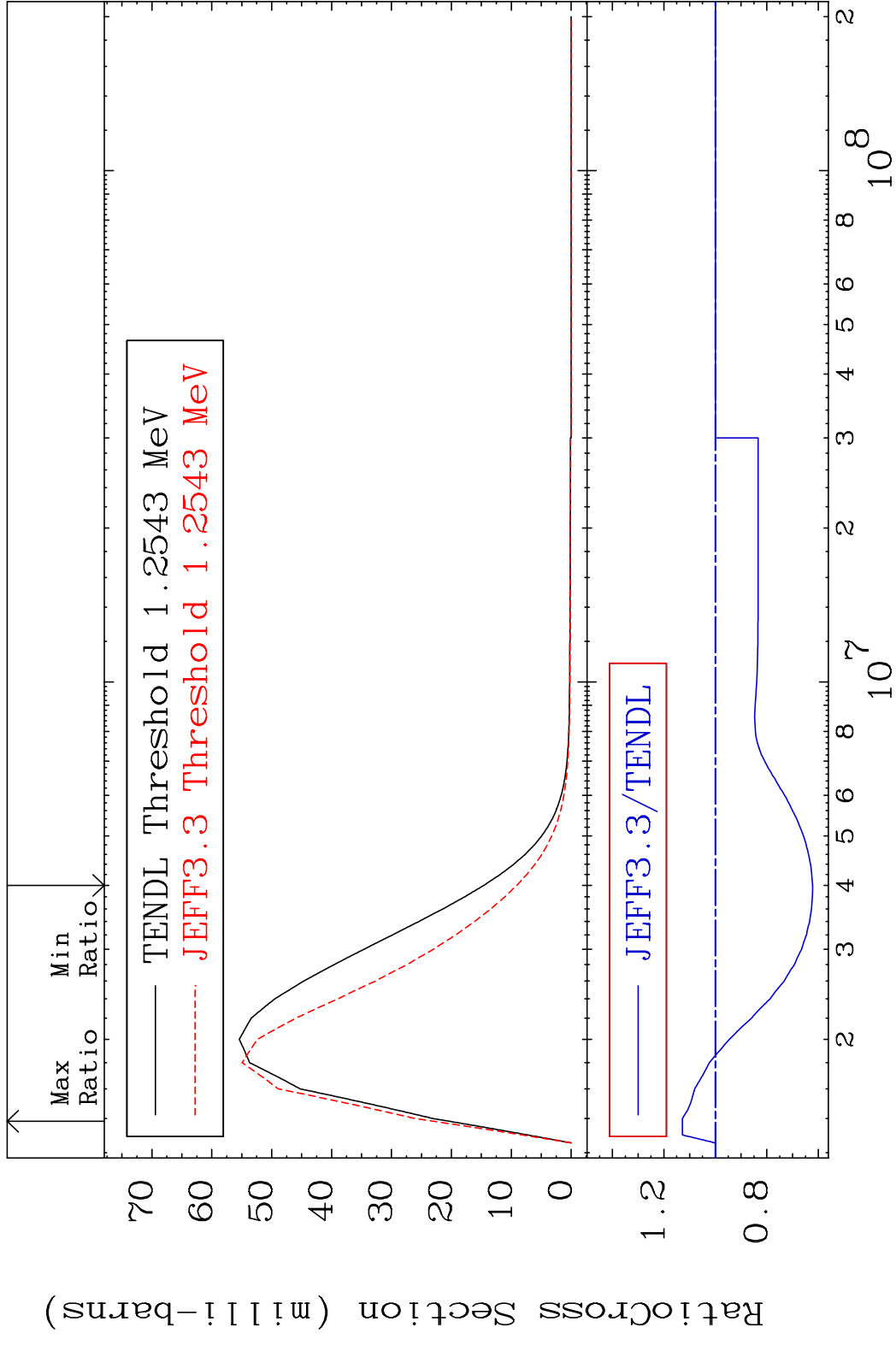
MAT 3822 MT= 69 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 161.2 %



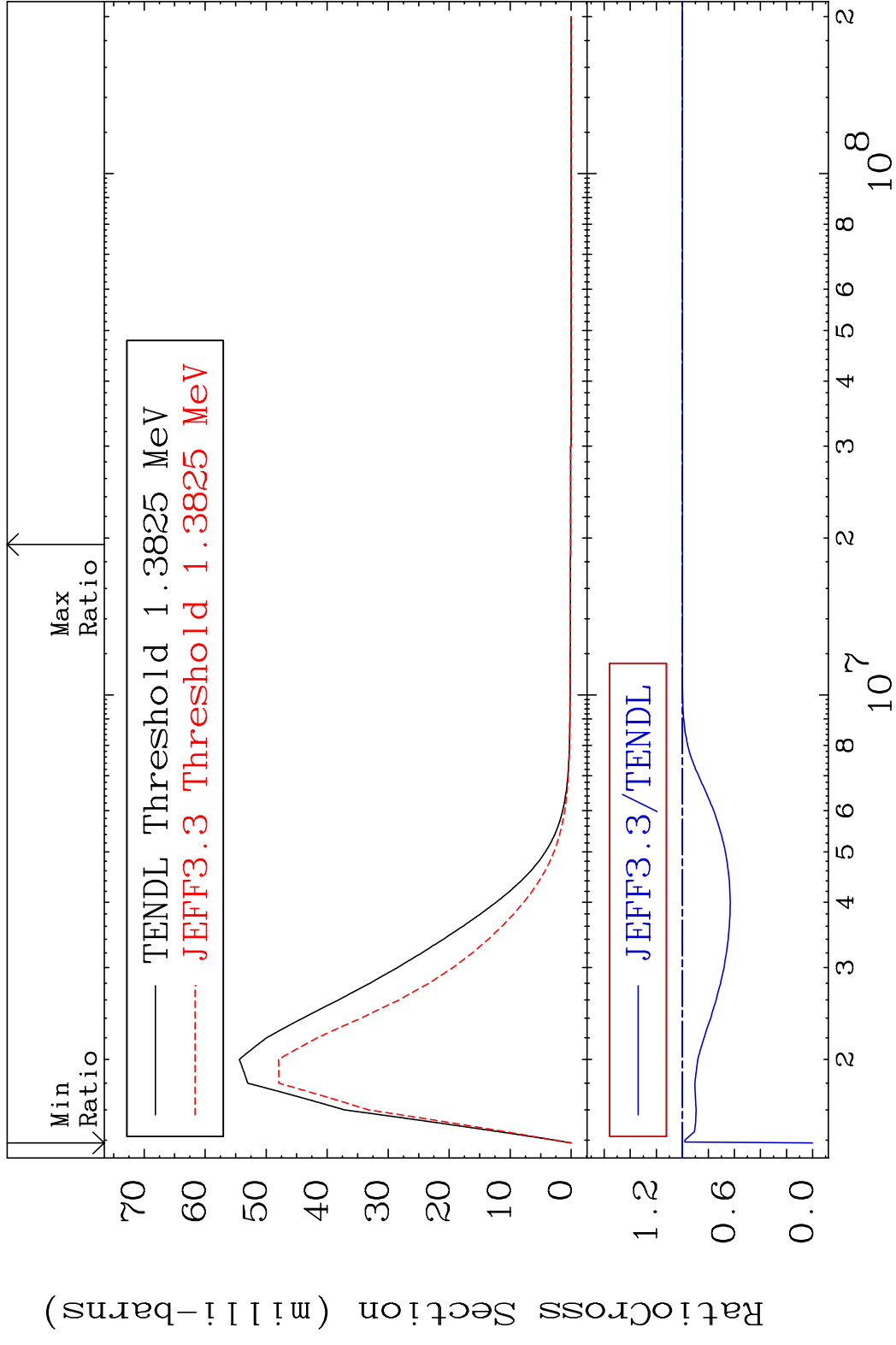
MAT 3822 MT= 70 (n, n') Level 38-Sr-83
 Cross Section -37.44 To 19.90 %



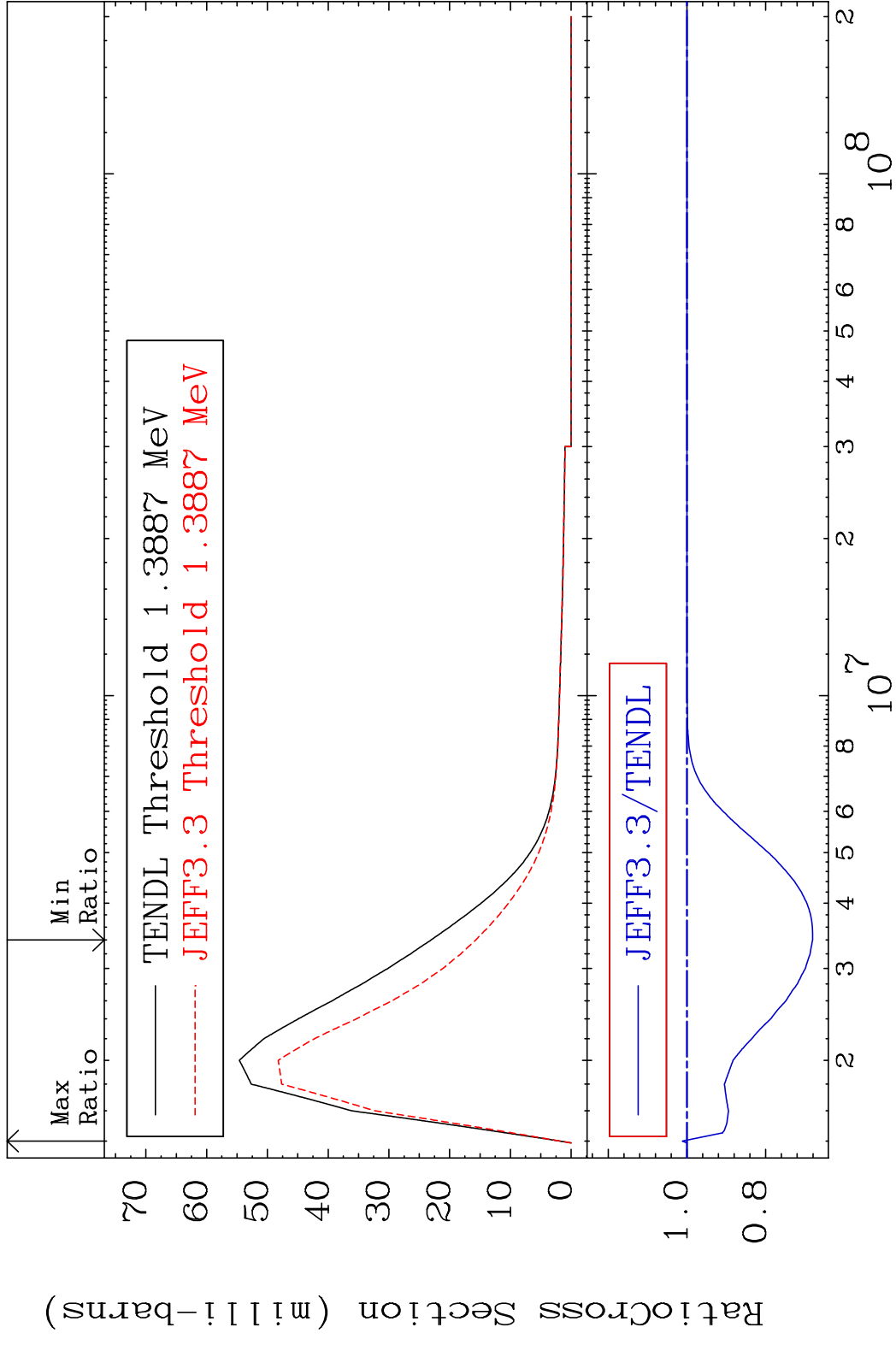
MAT 3822 MT= 71 (n, n') Level 38-Sr-83
 Cross Section -37.77 To 12.83 %



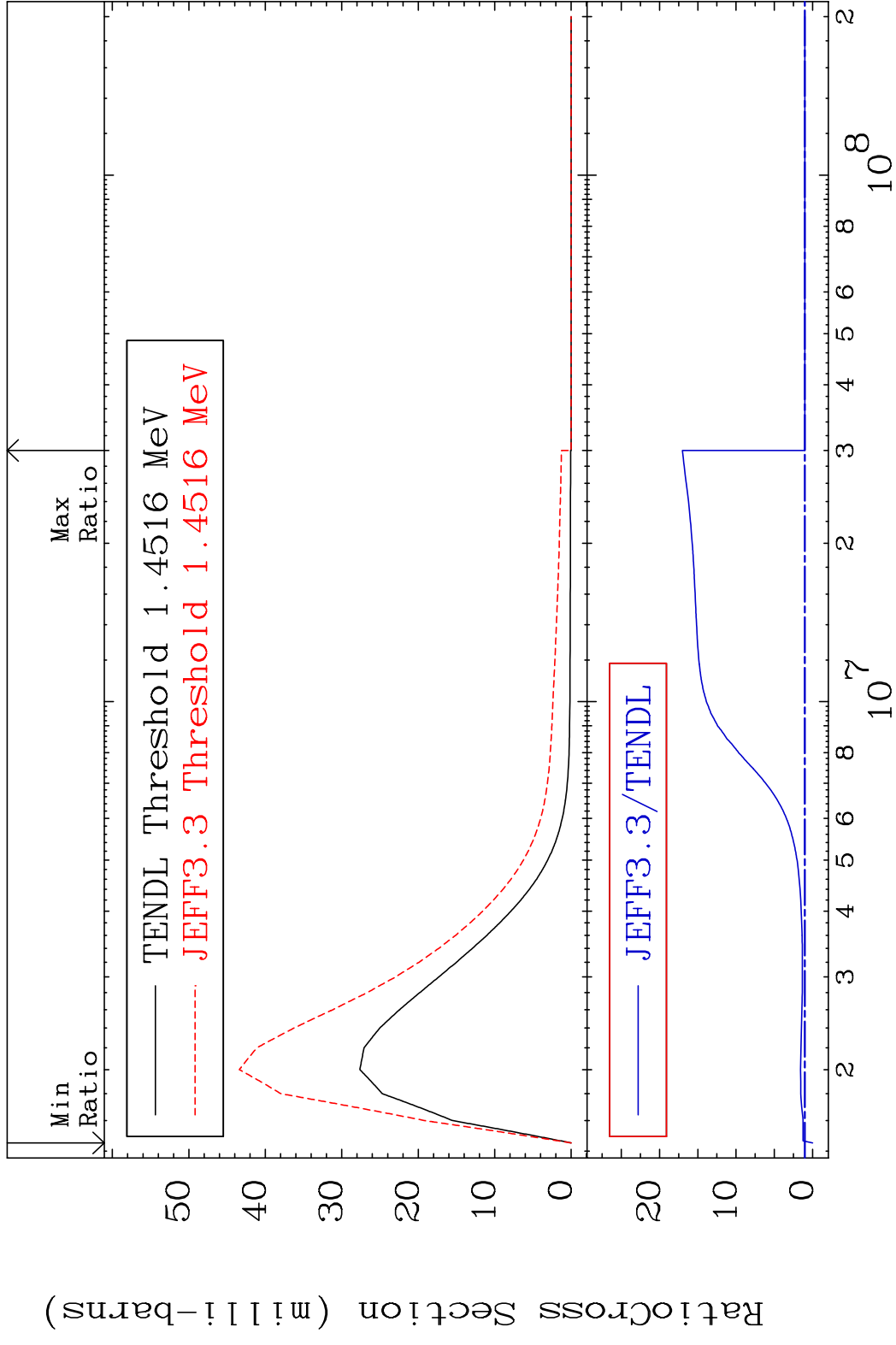
MAT 3822 MT= 72 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 0.000 %



MAT 3822 MT= 73 (n, n') Level 38-Sr-83
 Cross Section -31.90 To 1.162 %

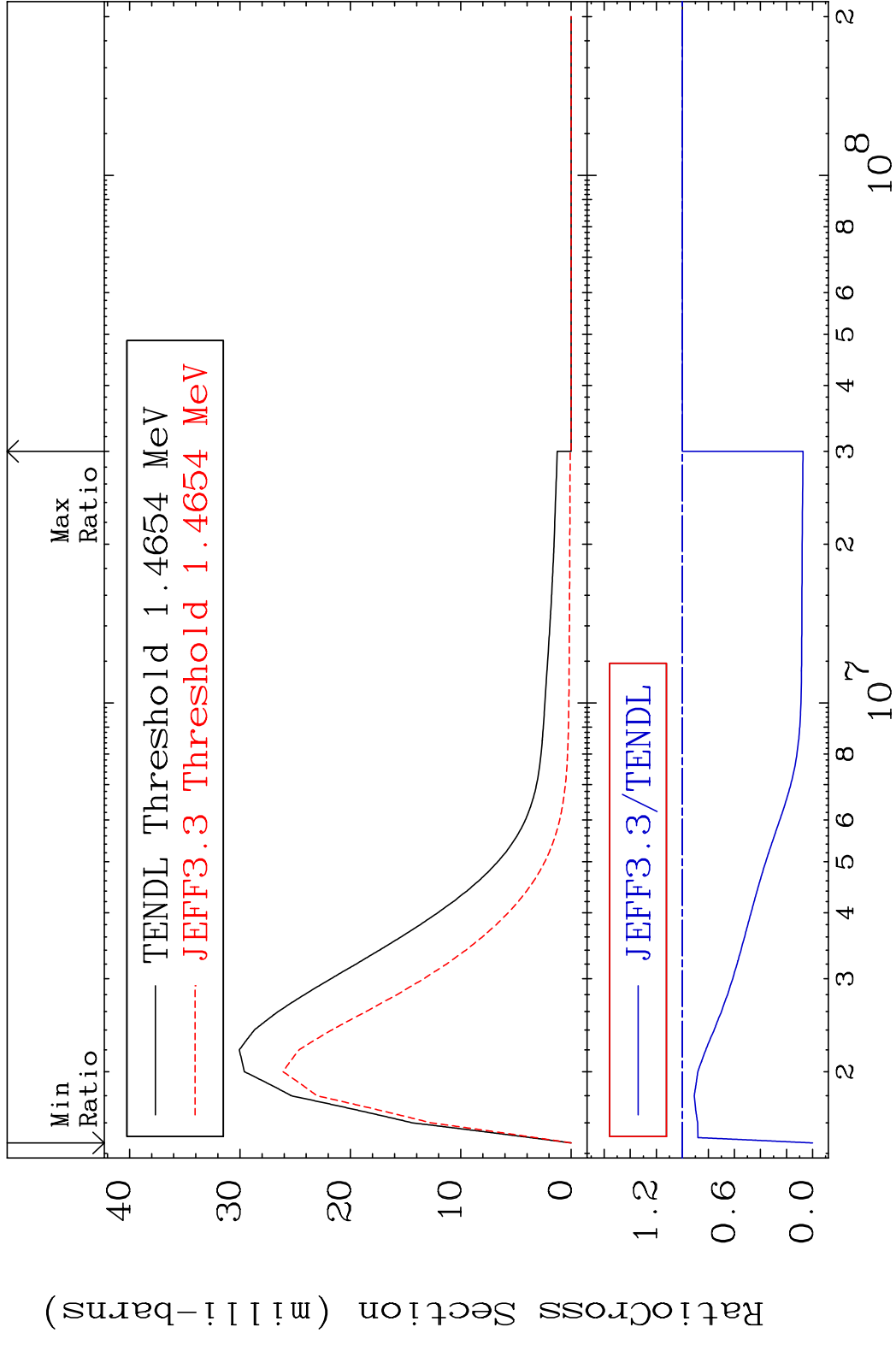


MAT 3822 MT= 74 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 1602. %



40 38-Sr-83

MAT 3822 MT= 75 (n,n') Level 38-Sr-83
 Cross Section -100.0 To 0.000 %

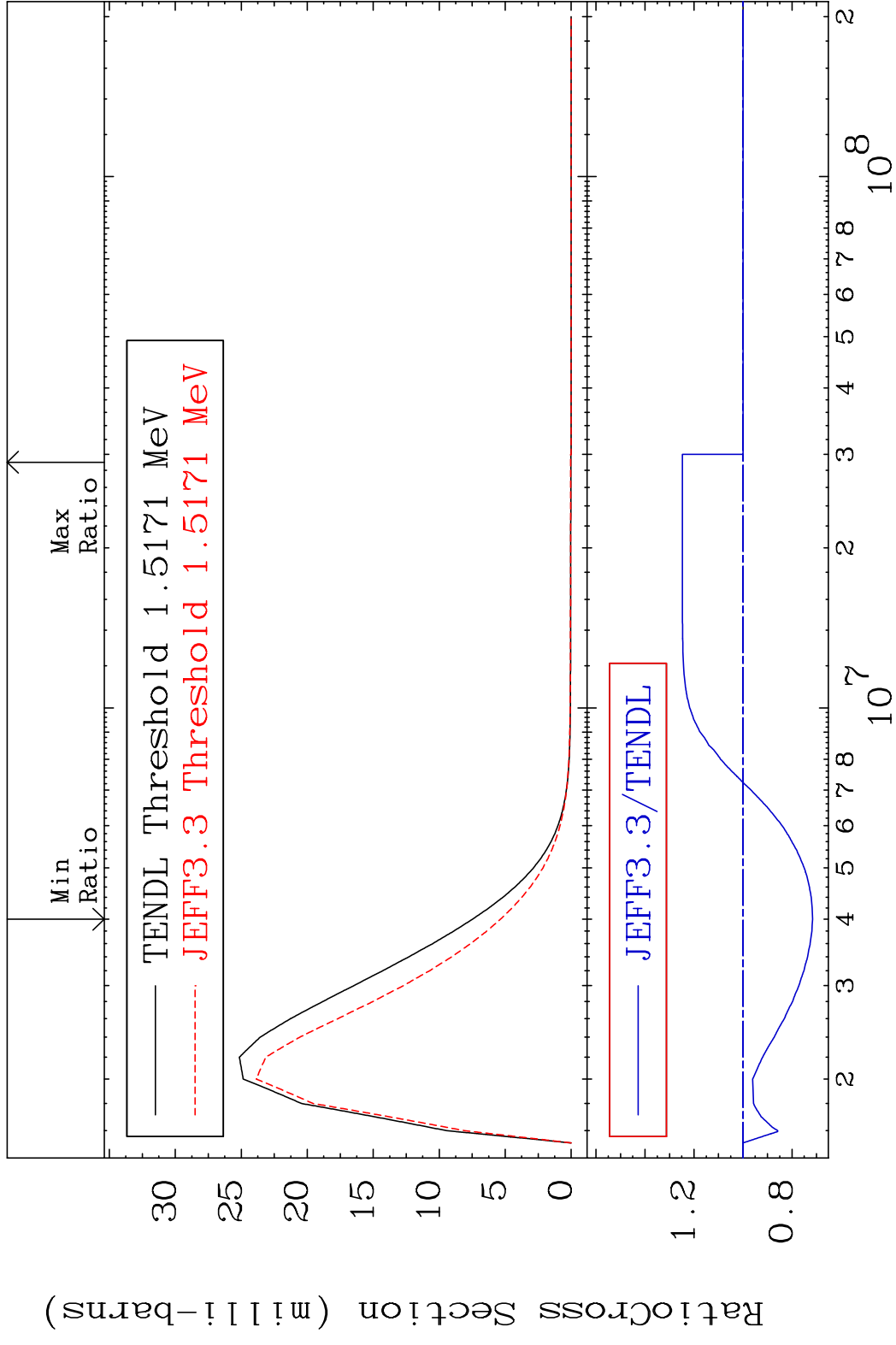


MAT 3822

MT= 76 (n, n') Level

38-Sr-83

Cross Section -28.39 To 24.76 %

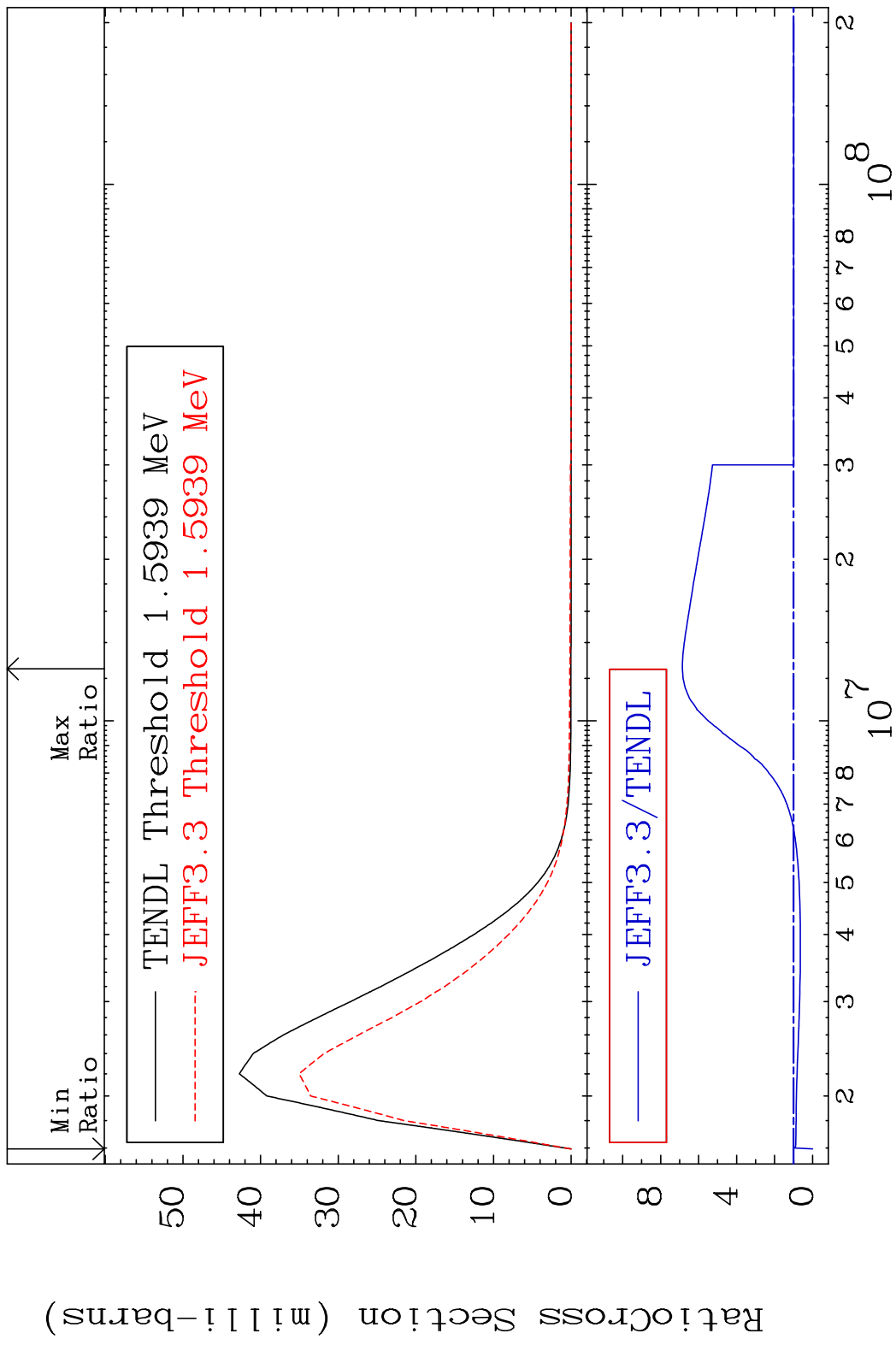


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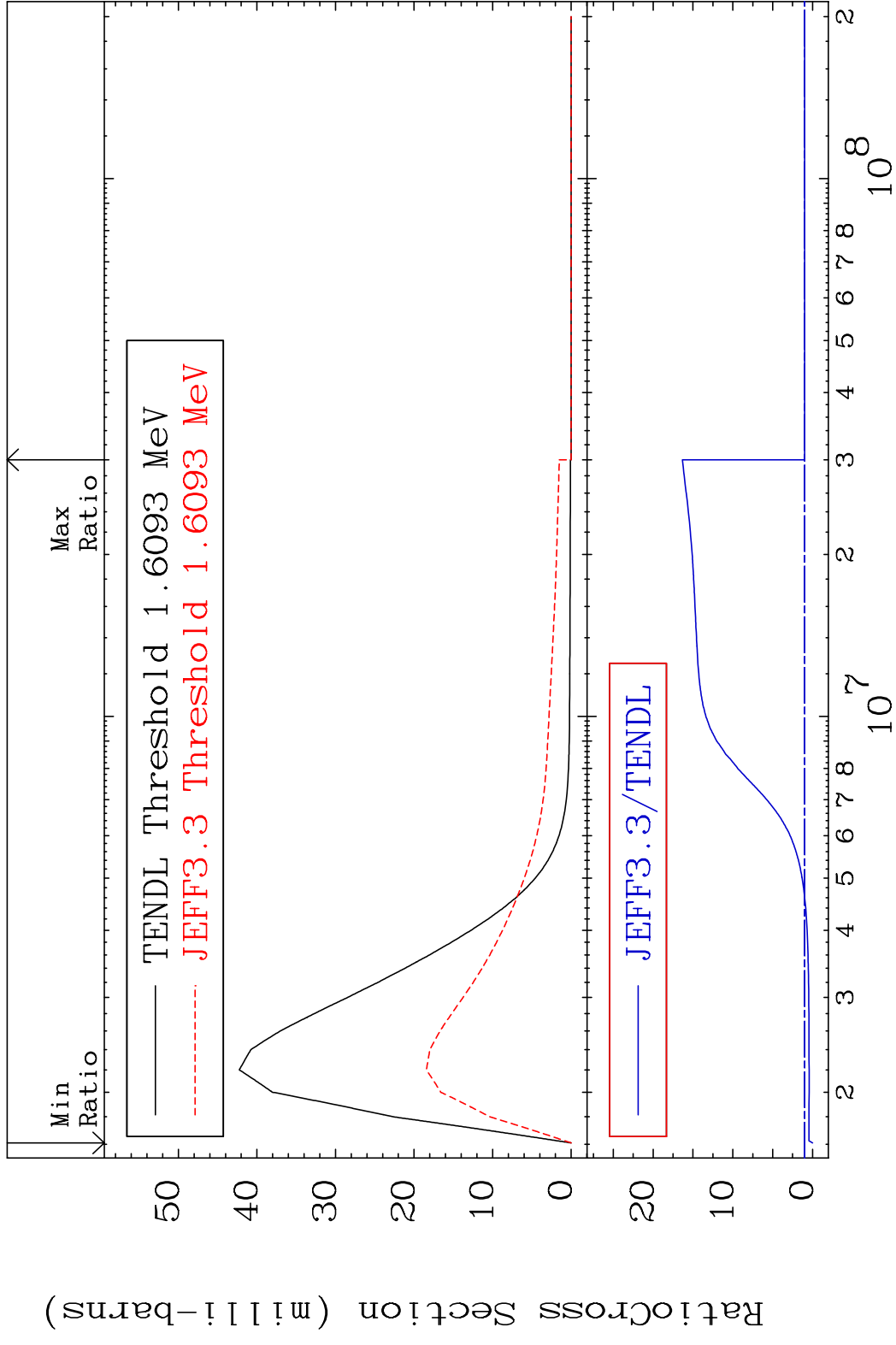
Incident Energy (eV)

38-Sr-83

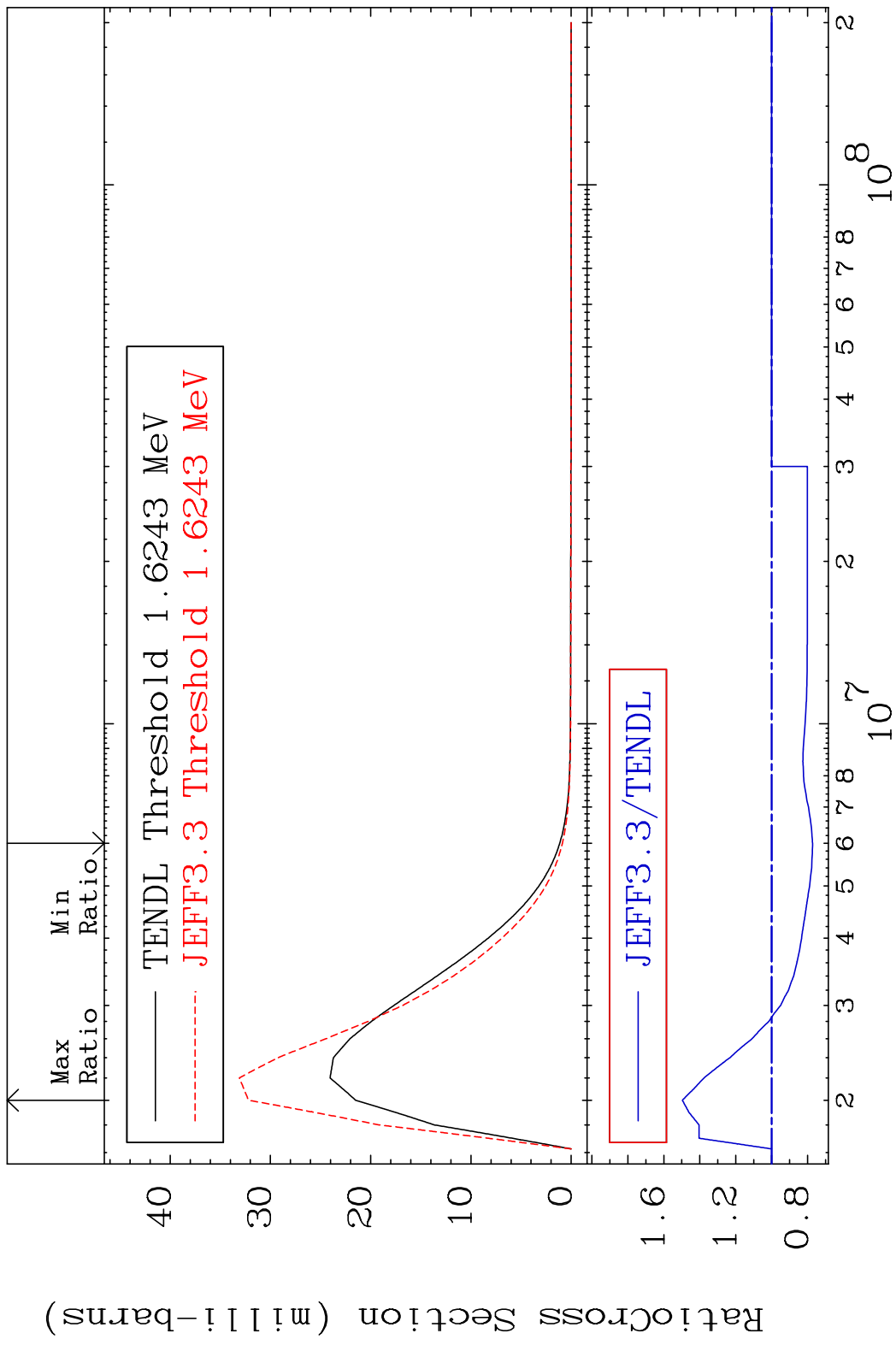
MAT 3822 MT= 77 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 585.6 %



MAT 3822 MT= 78 (n, n') Level 38-Sr-83
 Cross Section -100.0 To 1533. %



MAT 3822 MT= 79 (n, n') Level 38-Sr-83
 Cross Section -22.75 To 49.69 %

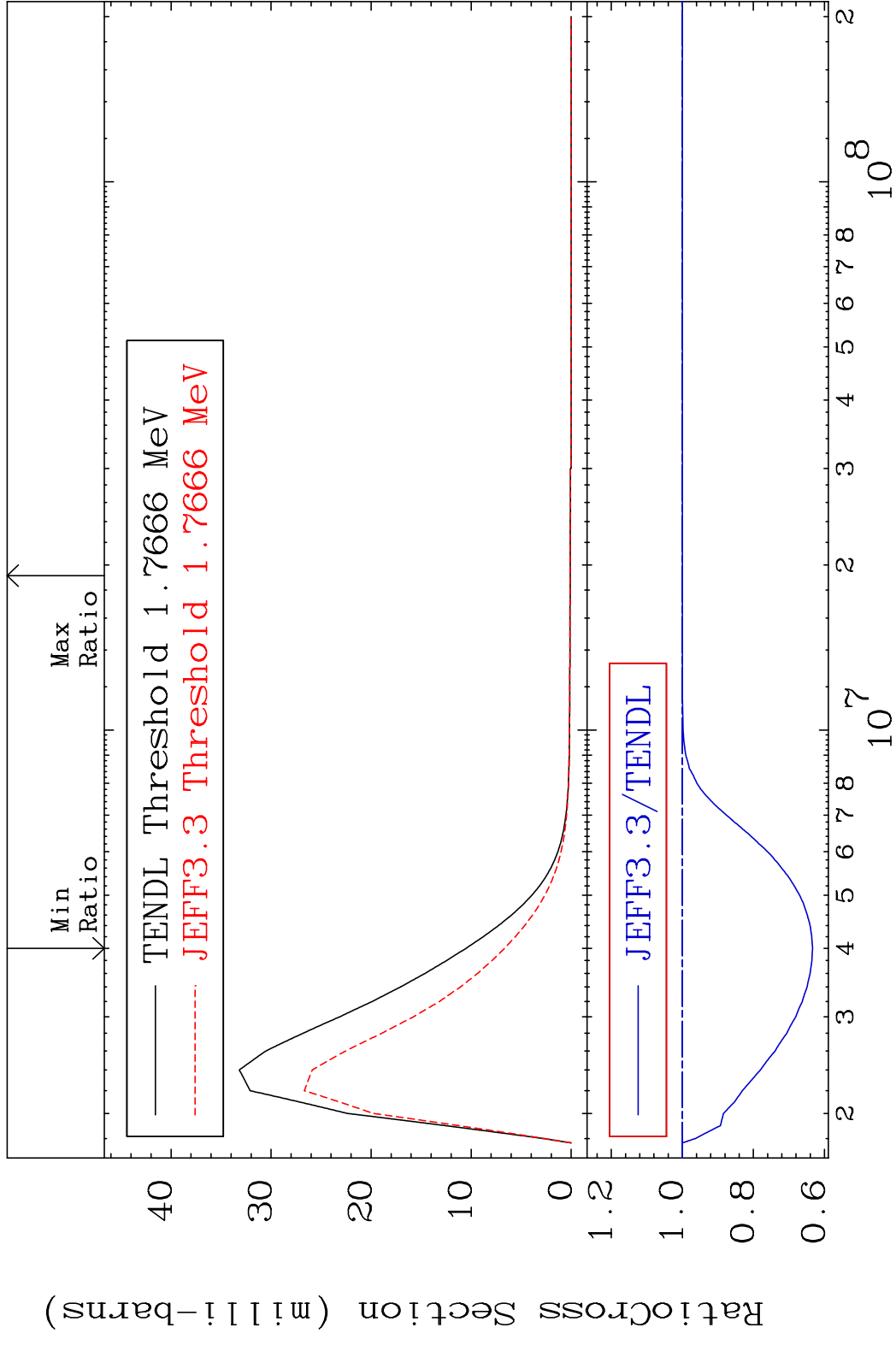


MAT 3822

MT= 80 (n, n') Level

38-Sr-83

Cross Section -36.66 To 0.000 %

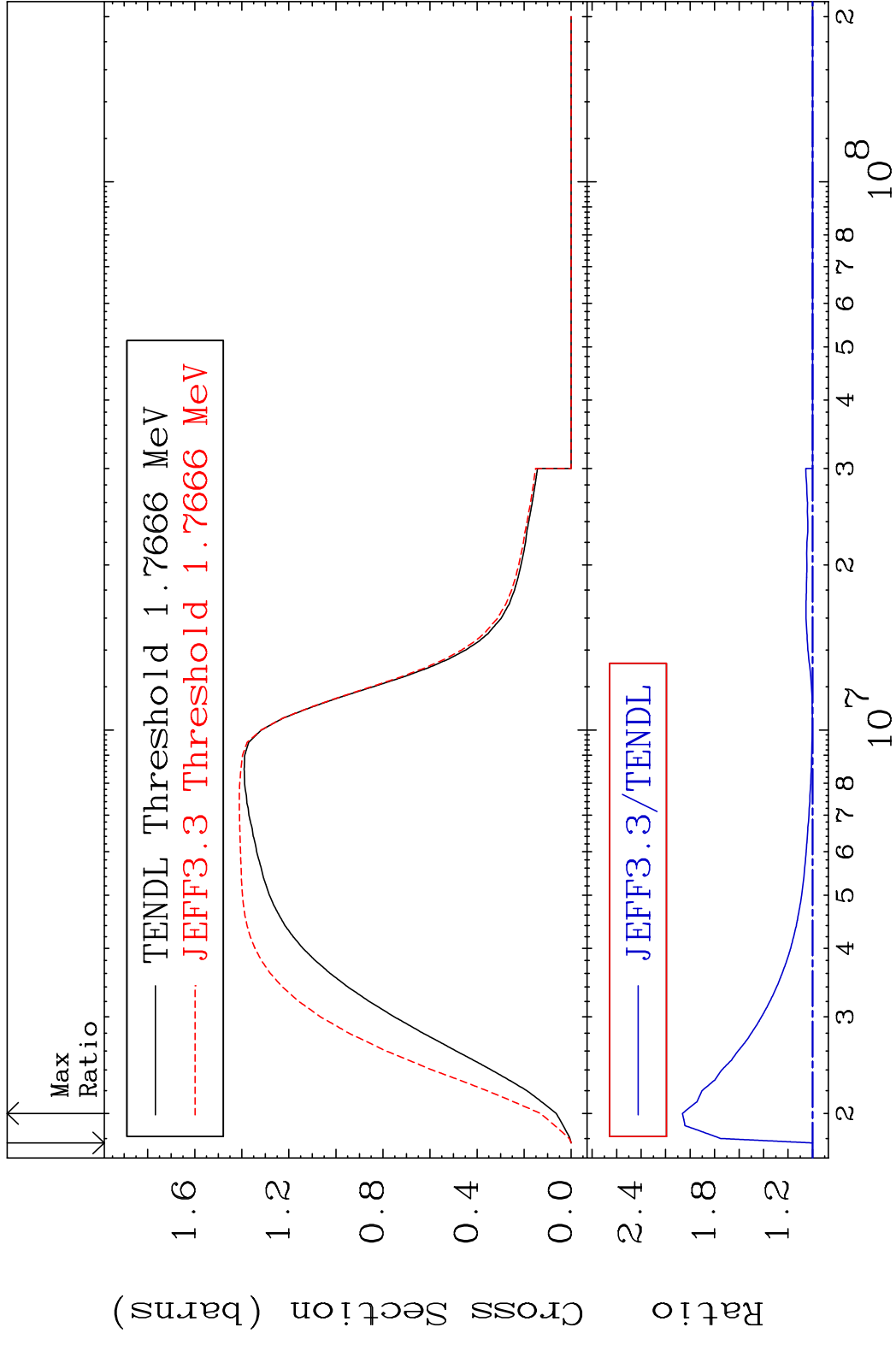


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Incident Energy (eV)

38-Sr-83

MAT 3822 (n,n') Continuum 38-Sr-83
 Cross Section 0.000 To 106.3 %

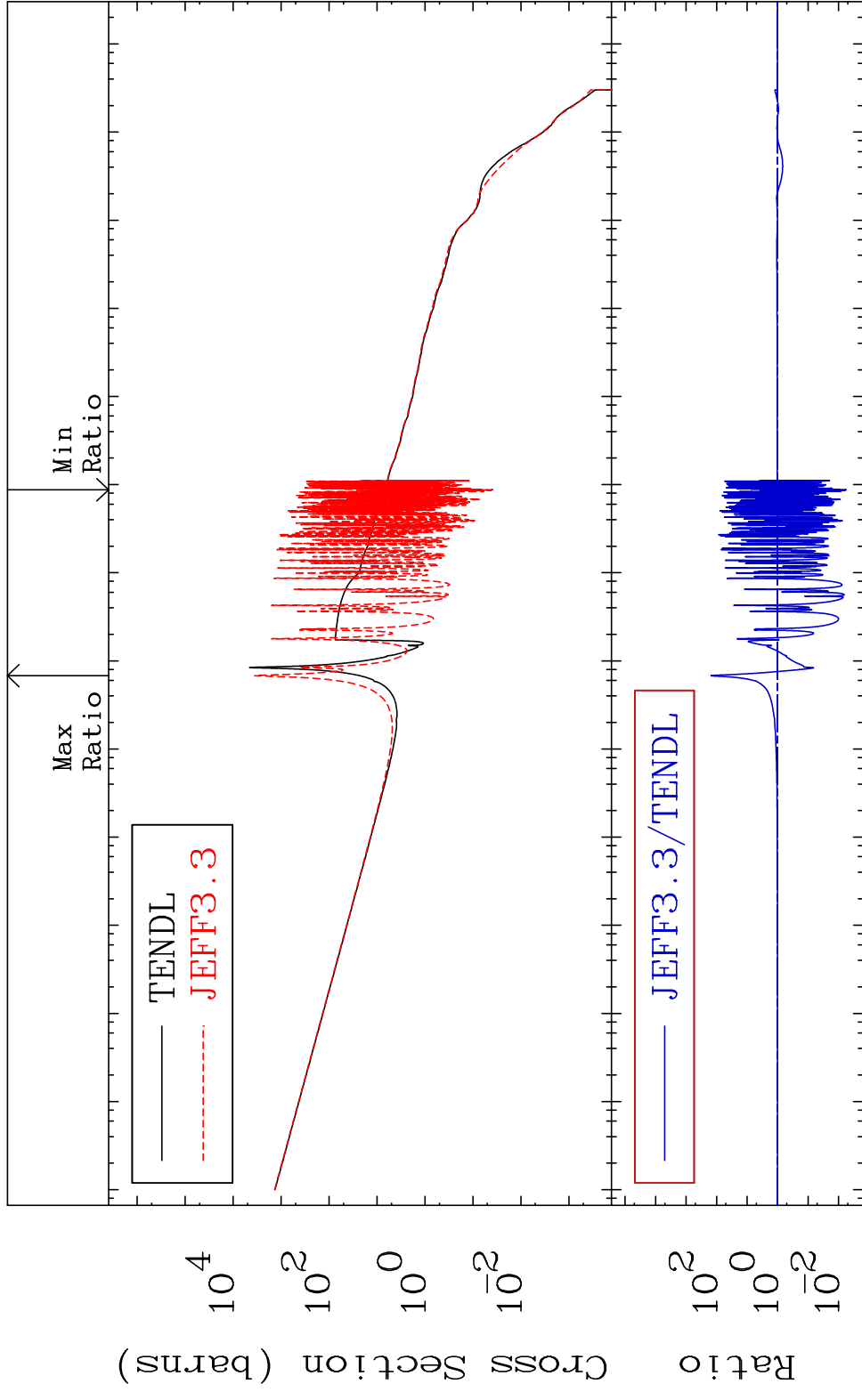


MAT 3822

38-Sr-83

(n, γ)

Cross Section -99.44 To 9999. %

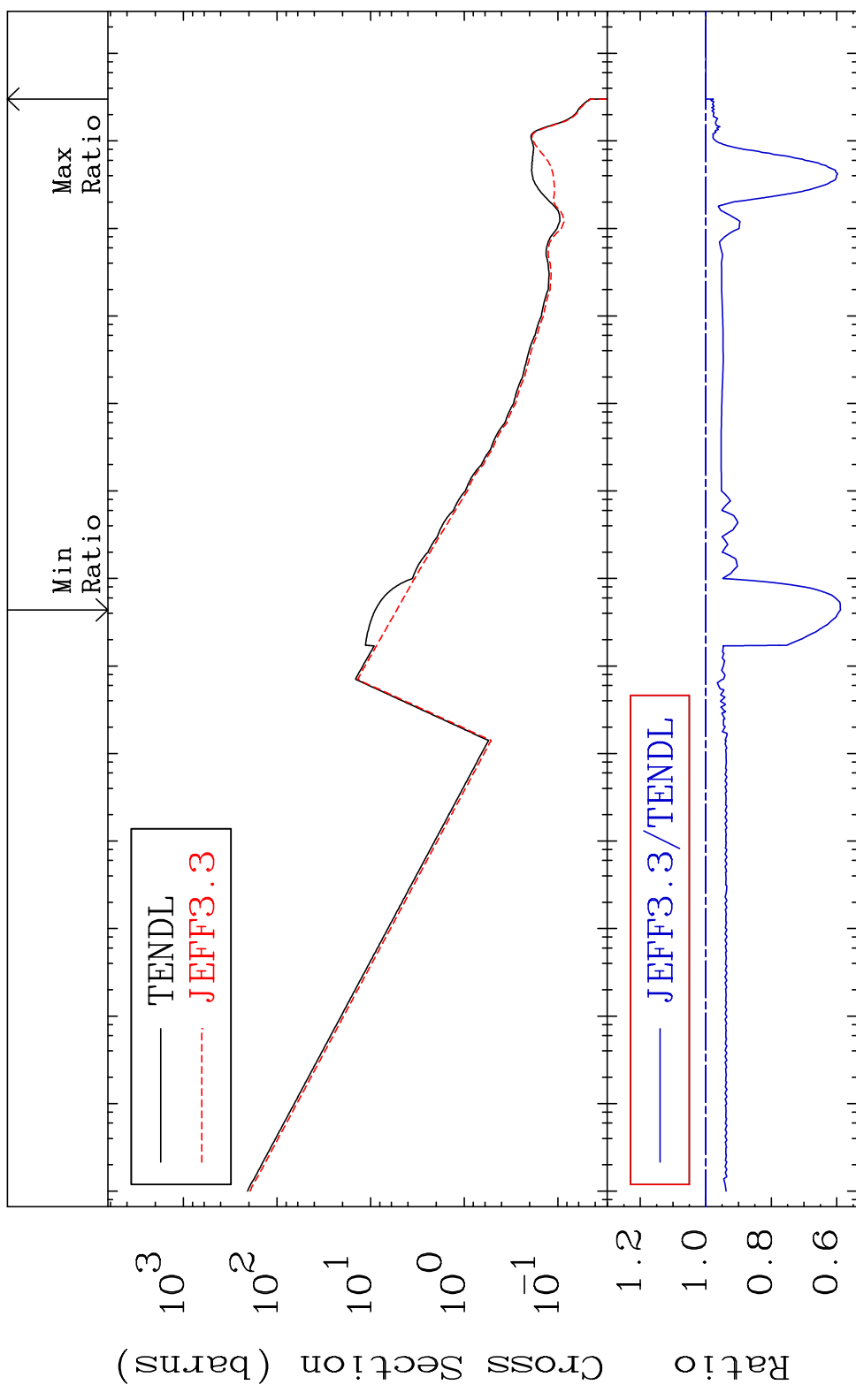


MAT 3822

(n, p)

38-Sr-83

Cross Section -41.12 To 0.000 %

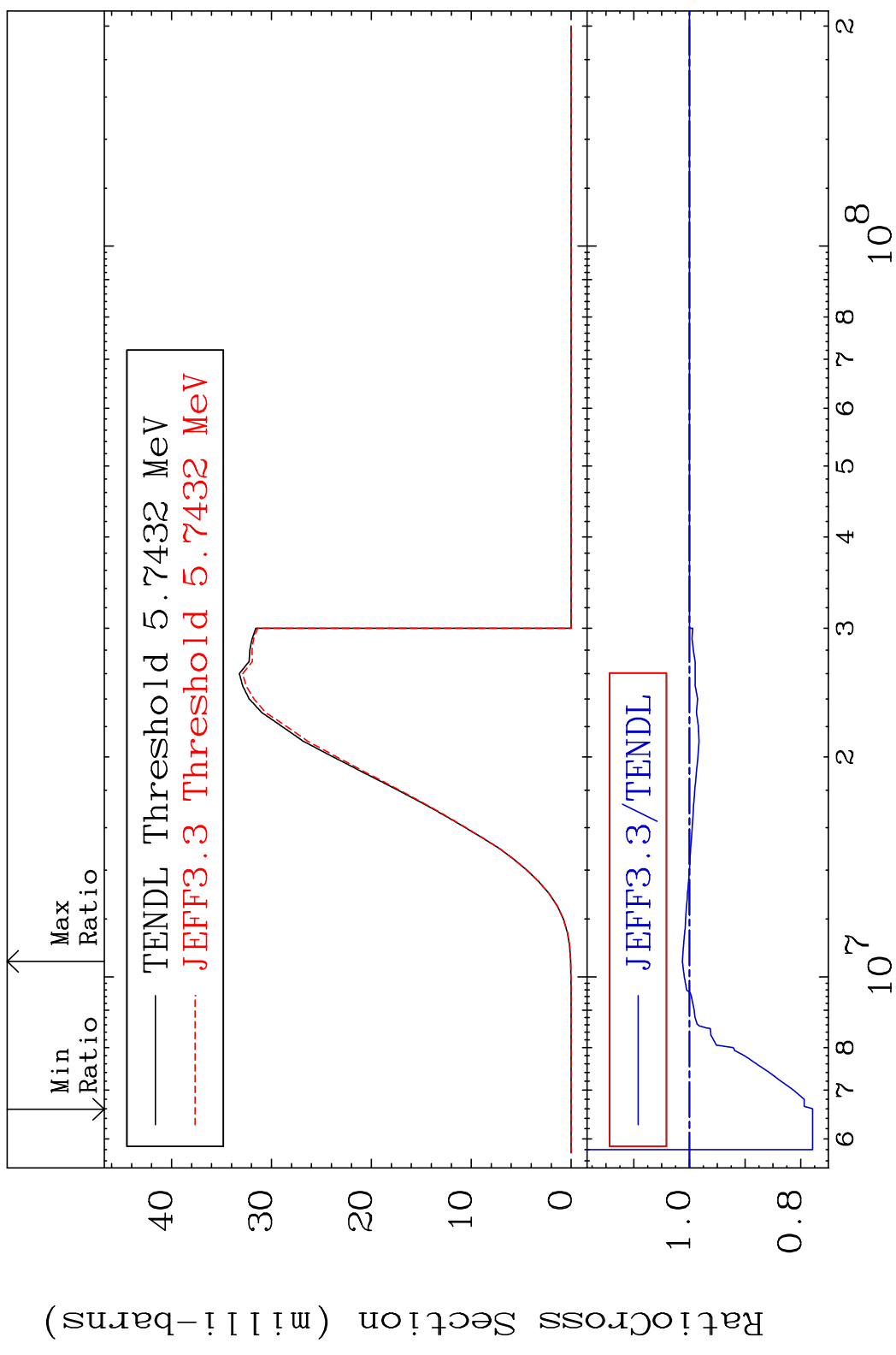


MAT 3822

(n, d)

38-Sr-83

Cross Section -22.13 To 1.277 %



50

Incident Energy (eV)

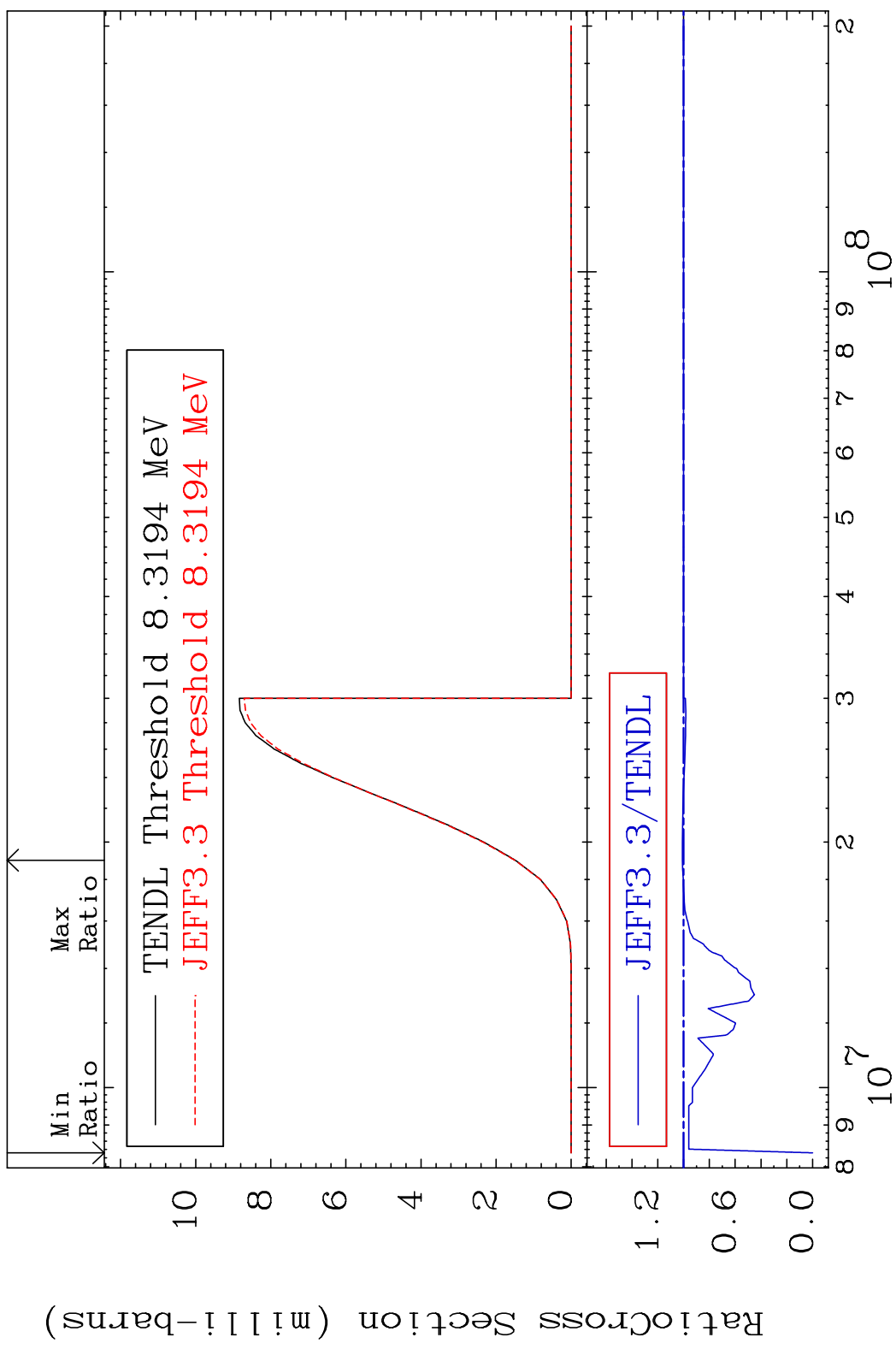
38-Sr-83

MAT 3822

(n, t)

38-Sr-83

Cross Section -100.0 To 0.950 %

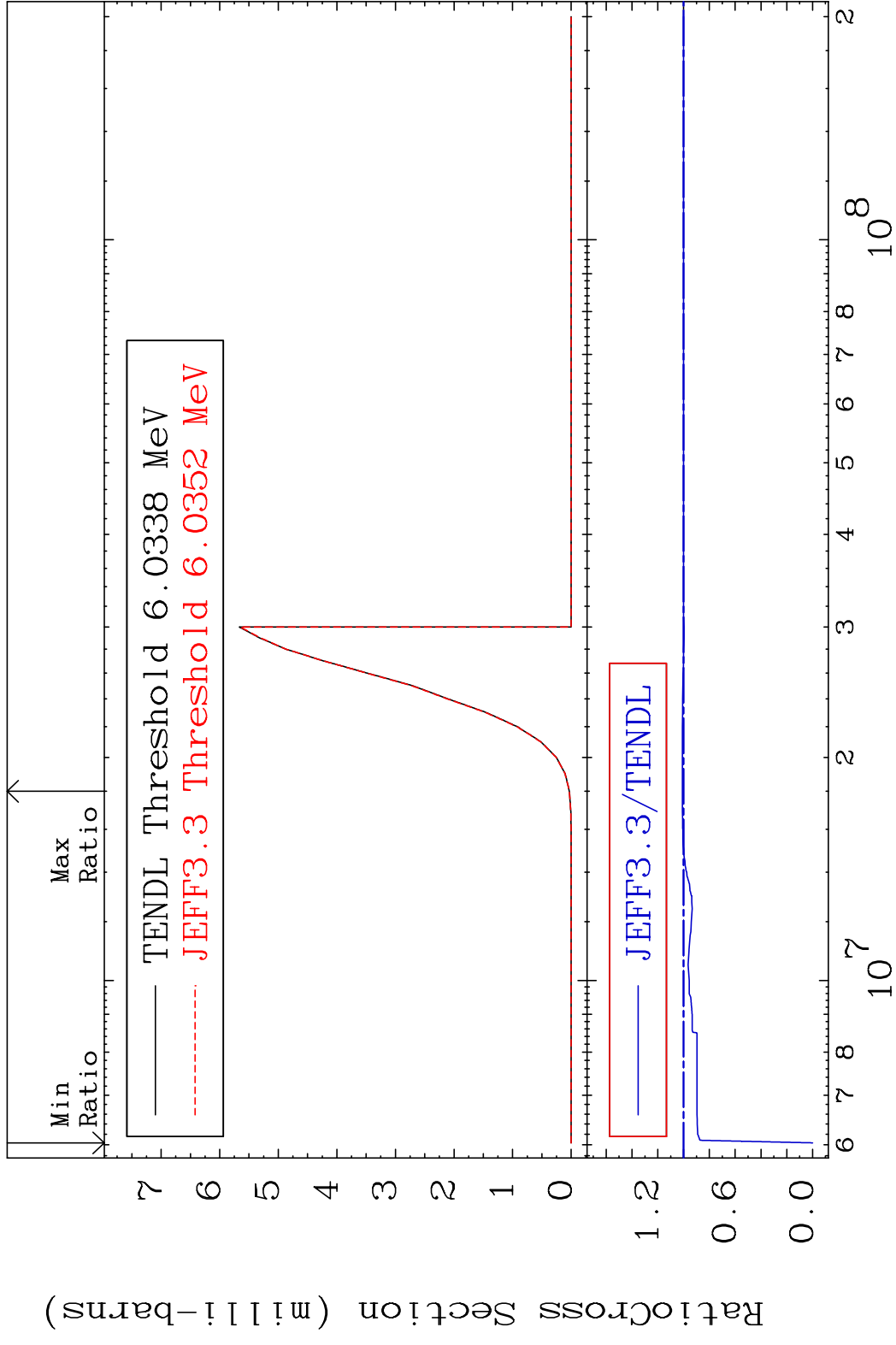


MAT 3822

(n, He-3)

38-Sr-83

Cross Section -100.0 To 0.945 %



52

Incident Energy (eV)

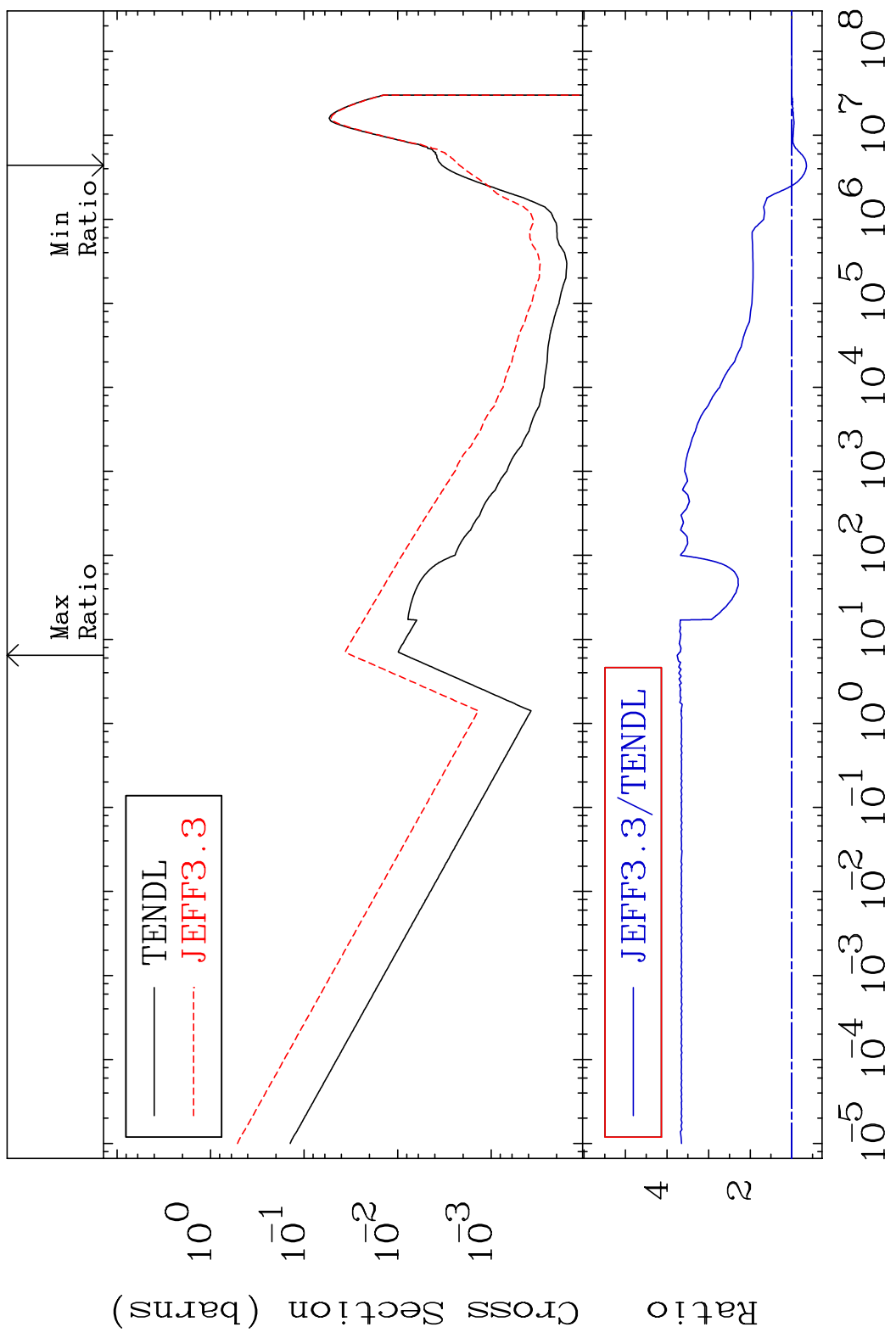
38-Sr-83

MAT 3822

(n, α)

38-Sr-83

Cross Section -35.13 To 275.6 %



53

Incident Energy (eV)

38-Sr-83

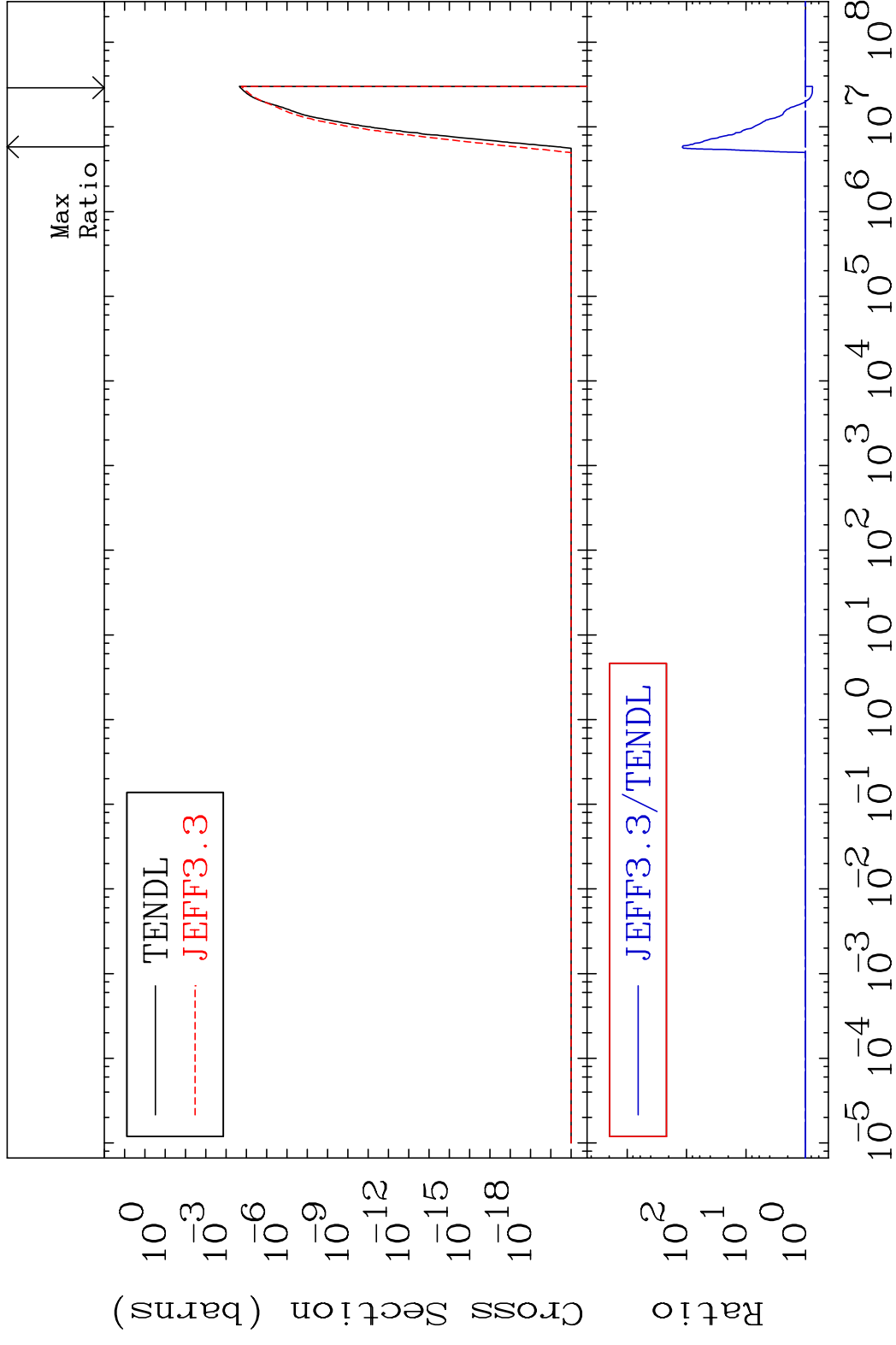
MAT 3822

(n,2α)

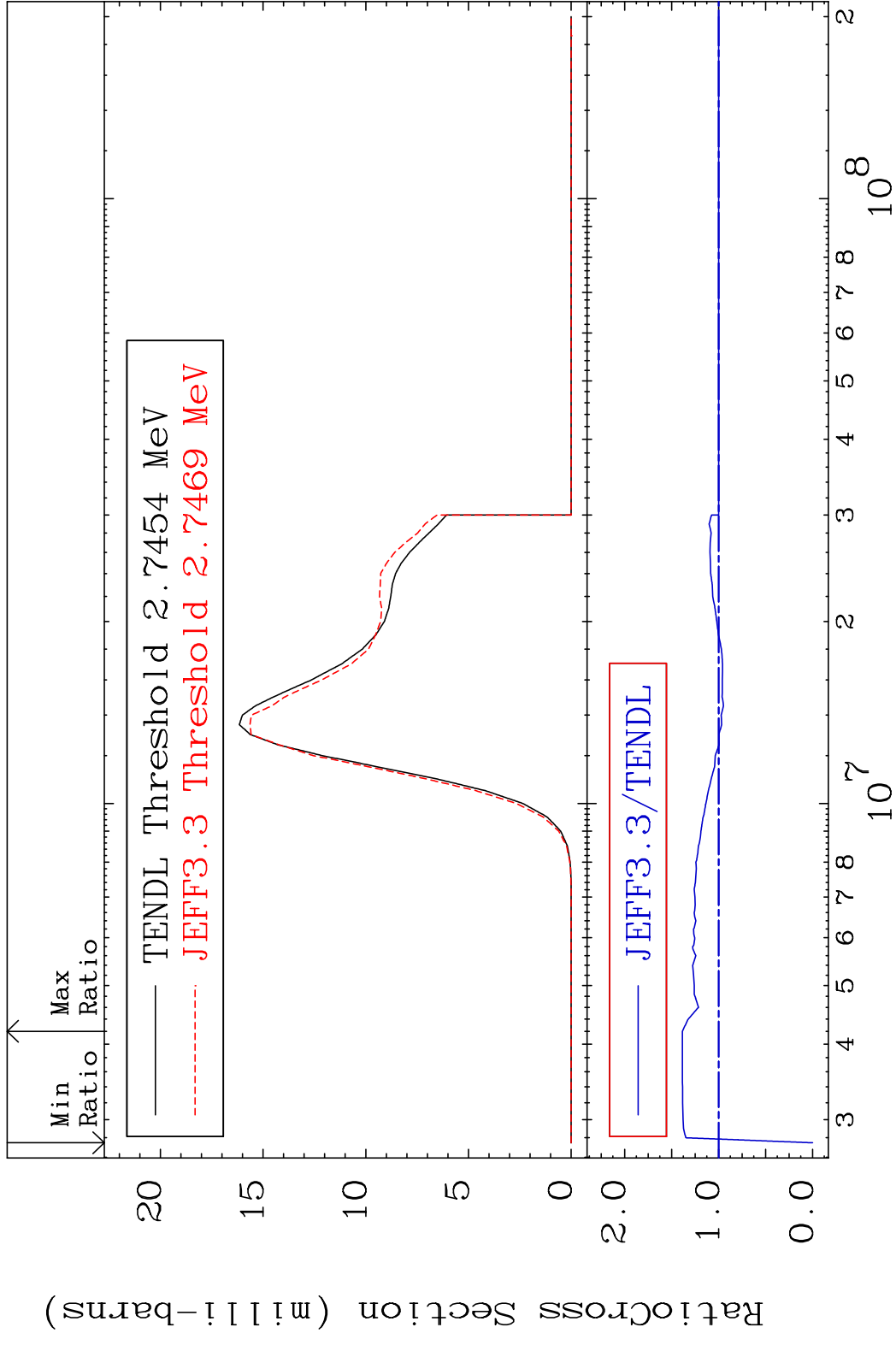
38-Sr-83

Cross Section

-23.69 To 9999. %



MAT 3822 (n,2p) 38-Sr-83
 Cross Section -100.0 To 38.59 %

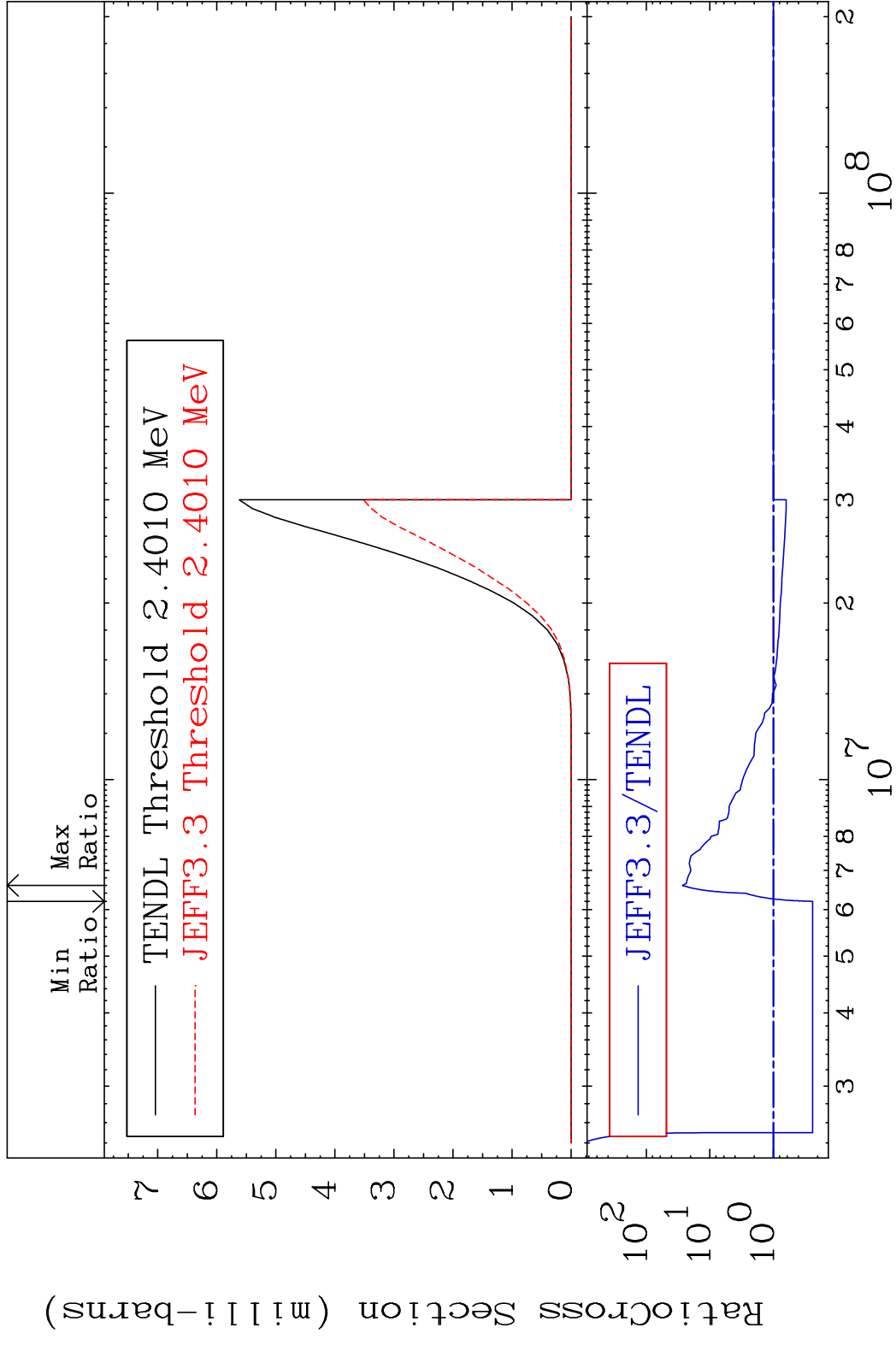


MAT 3822

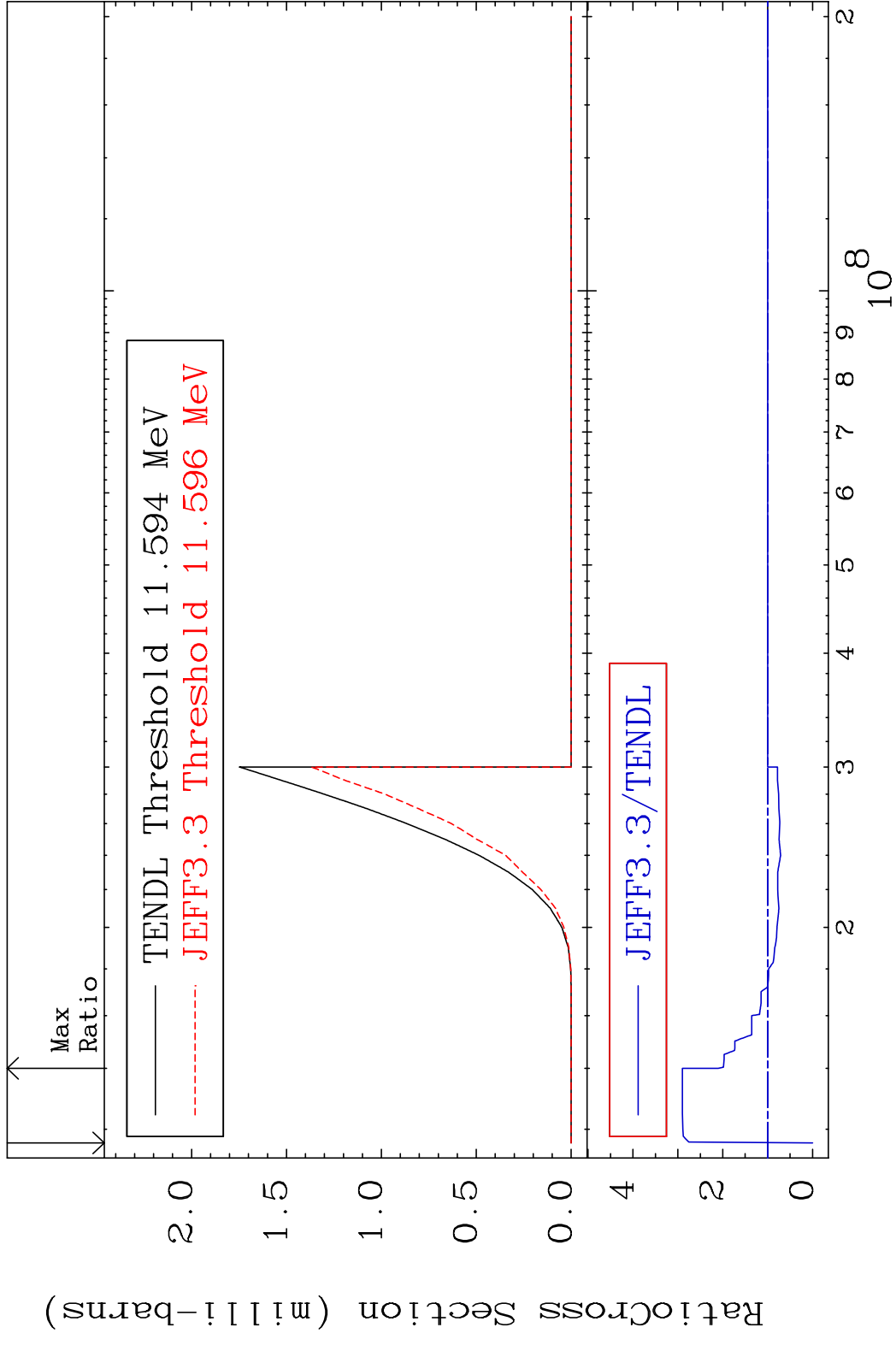
(n,p) α

38-Sr-83

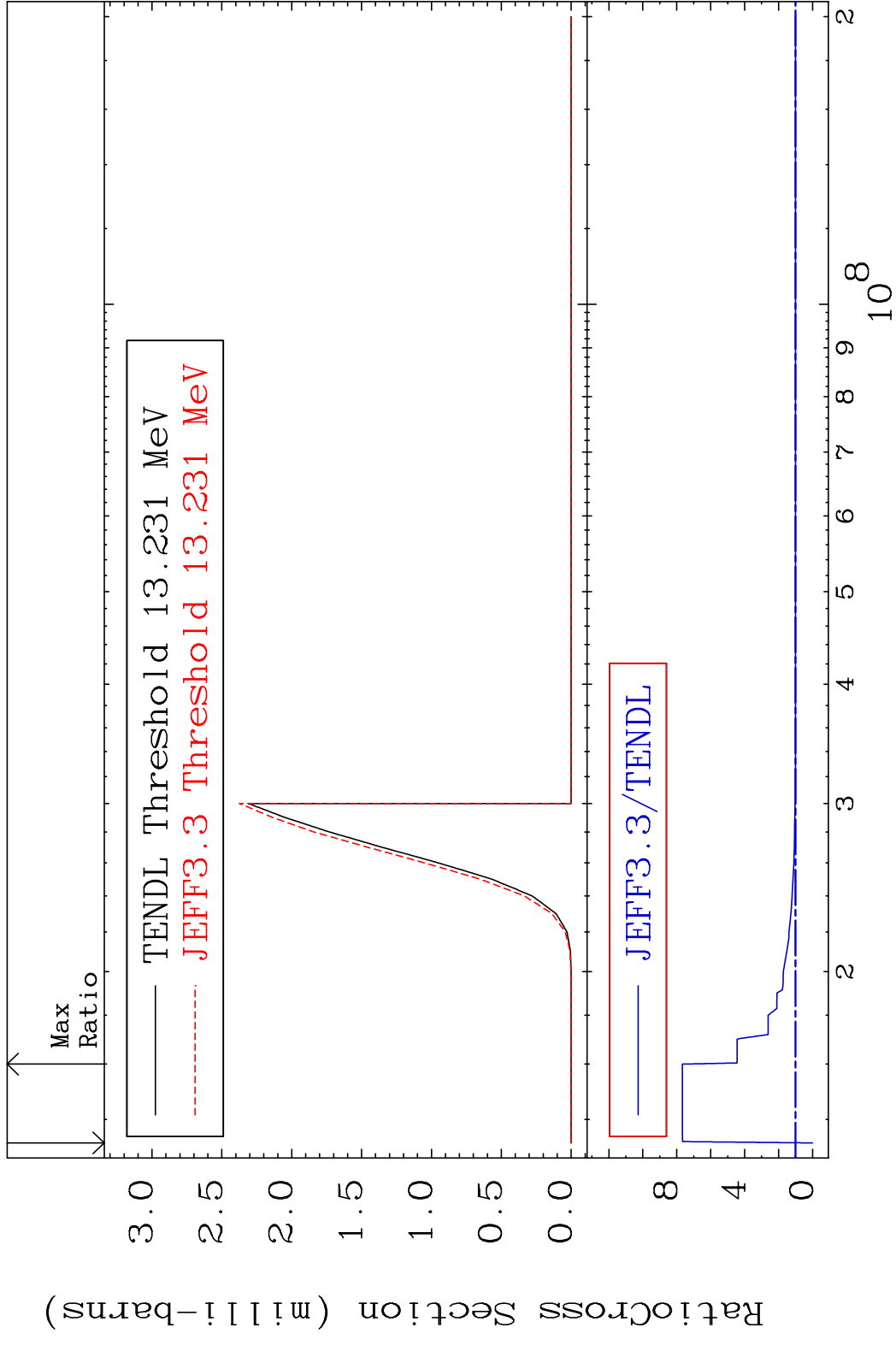
Cross Section -75.90 To 2602. %



MAT 3822 (n,p) d 38-Sr-83
 Cross Section -100.0 To 190.0 %



MAT 3822 (n,p) t 38-Sr-83
 Cross Section -100.0 To 667.1 %

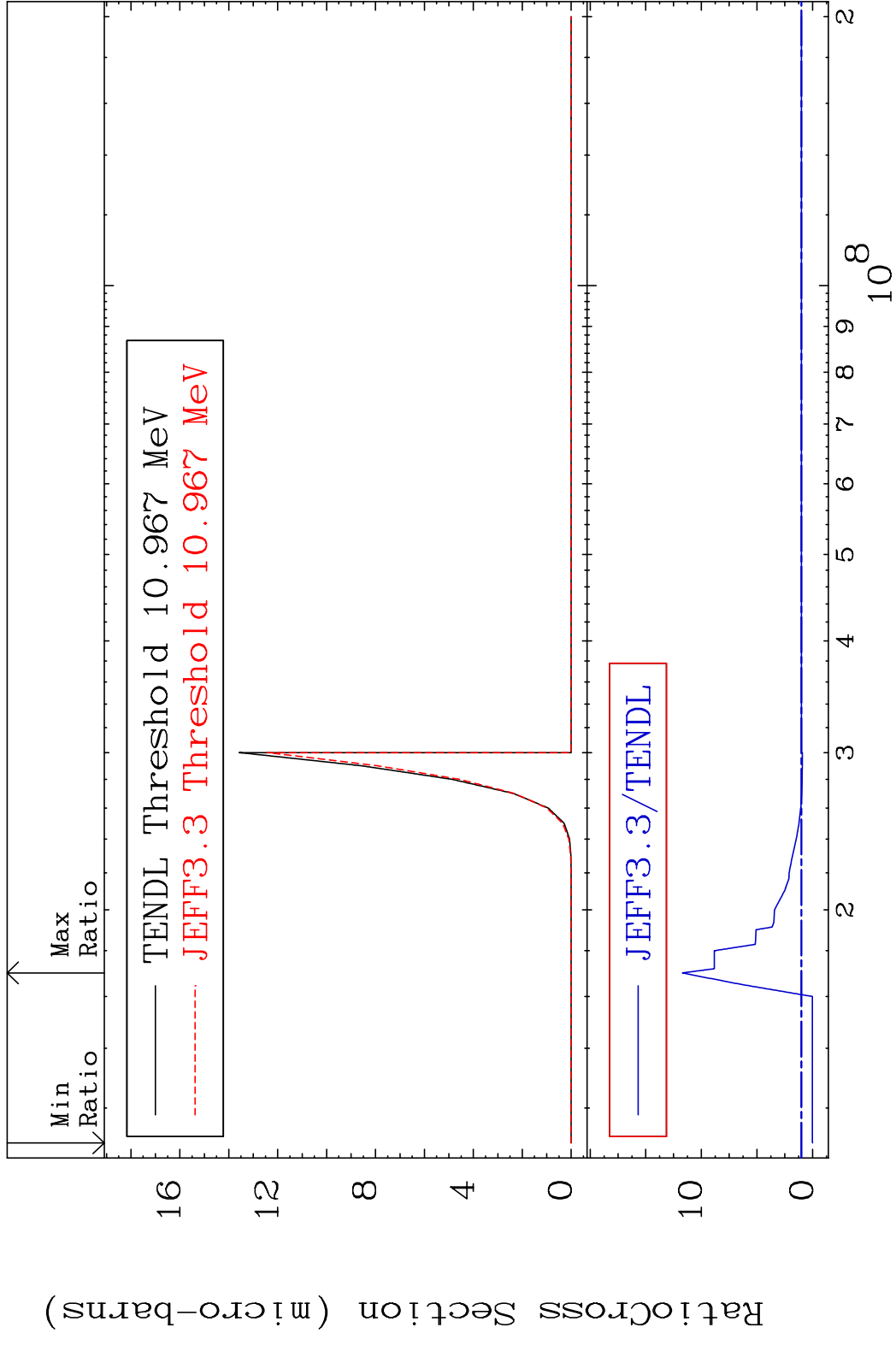


MAT 3822

(n,d) α

38-Sr-83

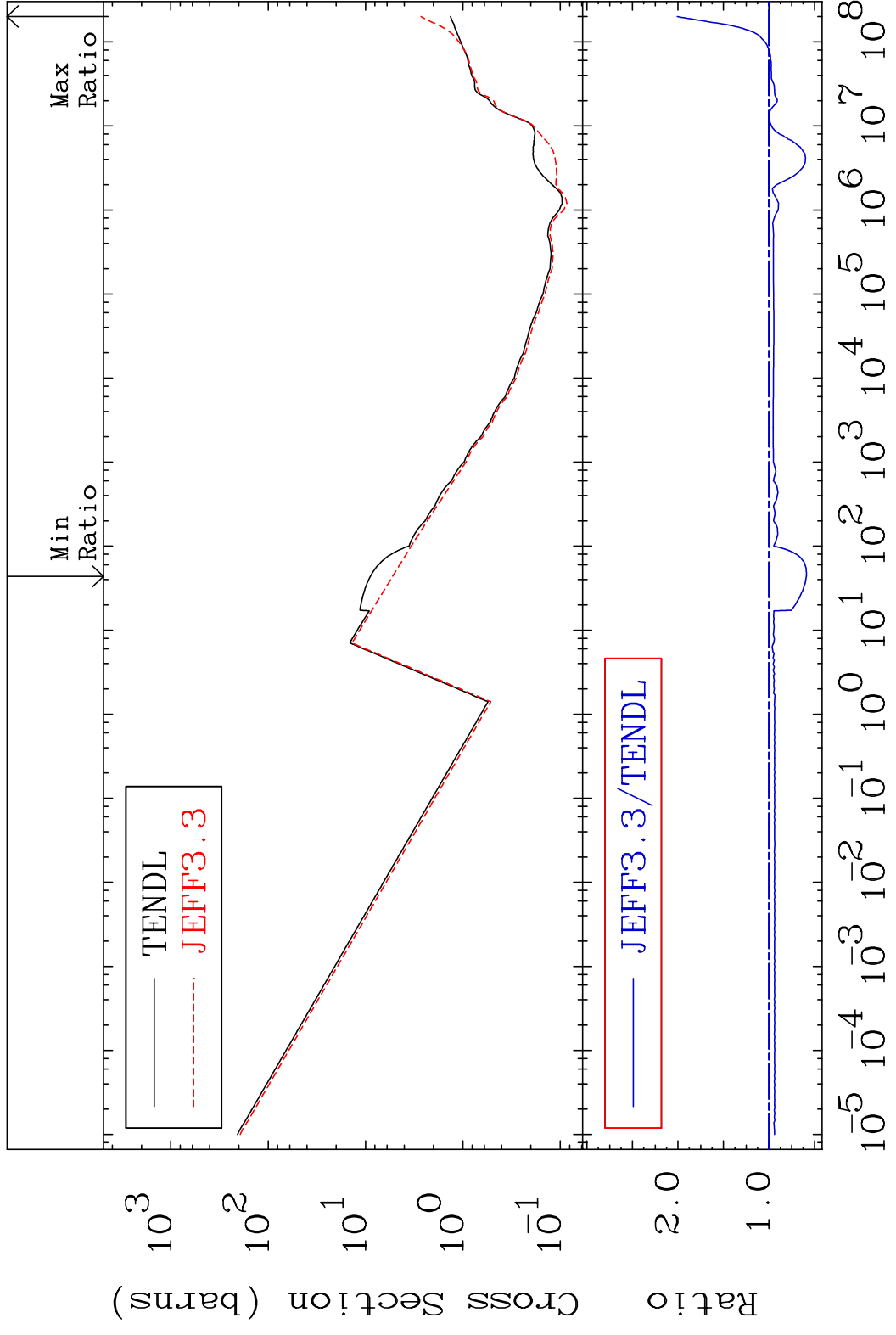
Cross Section -100.0 To 1071. %



MAT 3822

Hydrogen Production
Cross Section -41.12 To 100.8 %

38-Sr-83

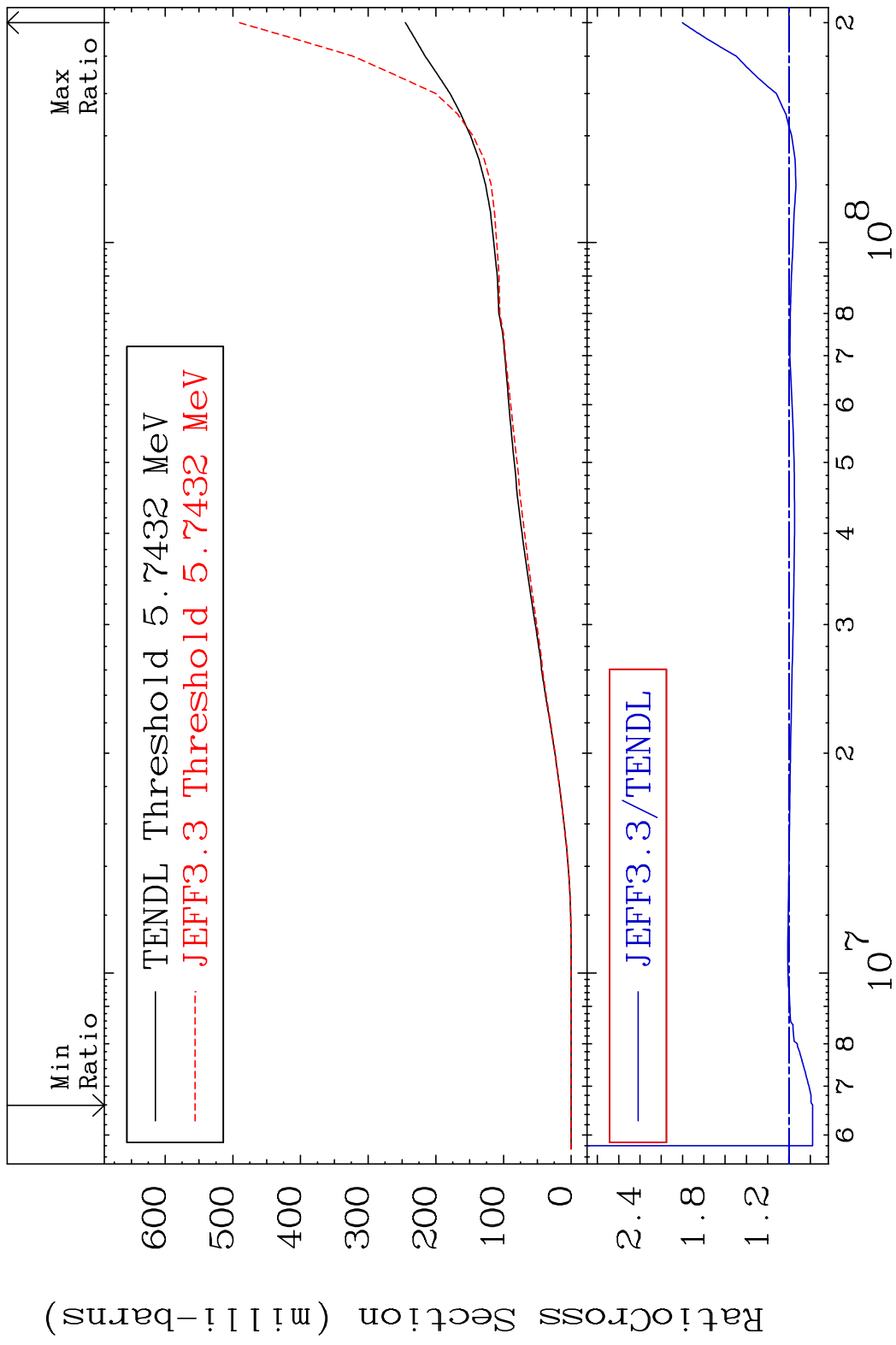


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Incident Energy (eV)

38-Sr-83

MAT 3822 Deuterium Production 38-Sr-83
 Cross Section -22.13 To 100.2 %



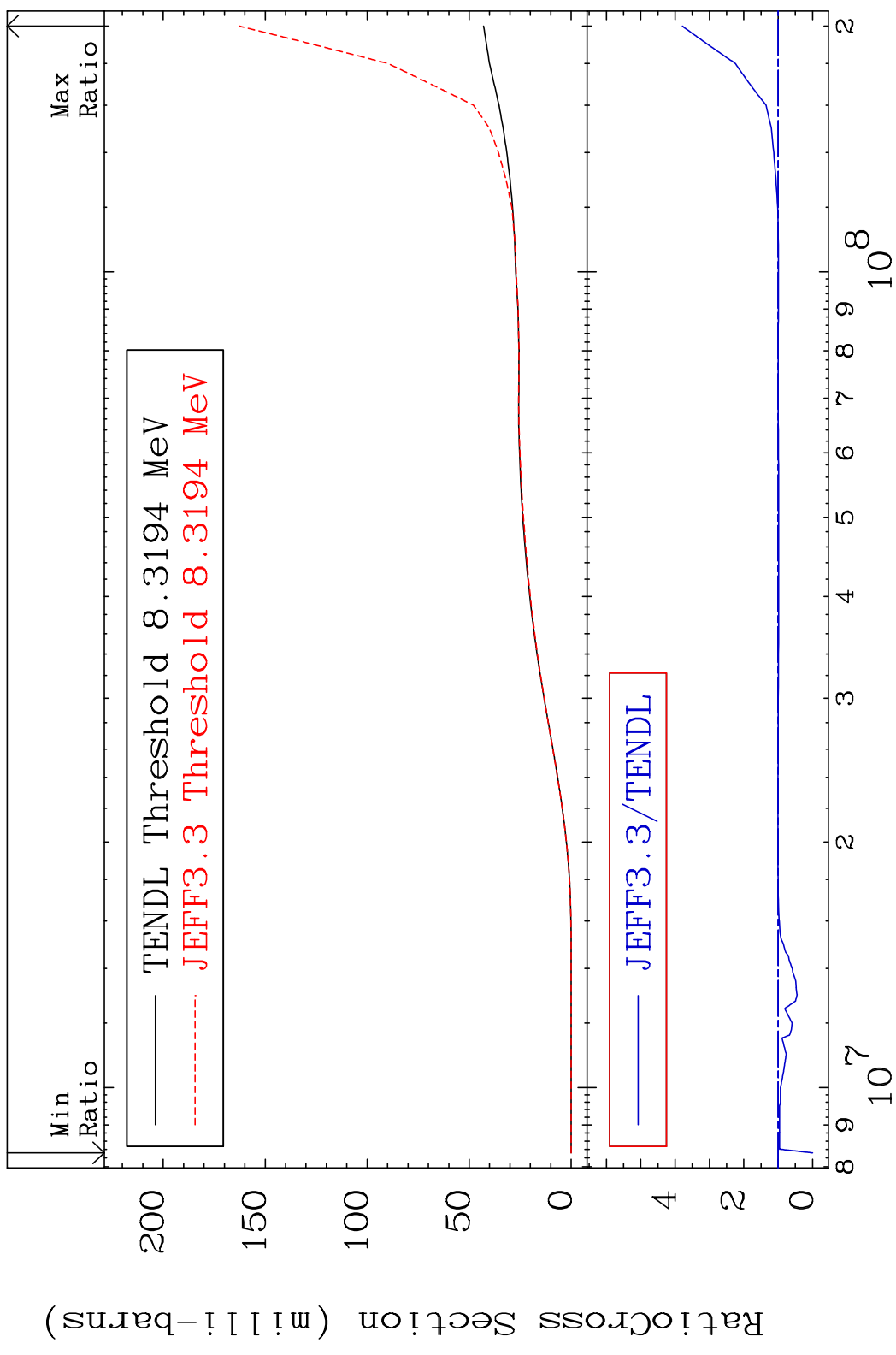
61 Incident Energy (eV) 38-Sr-83

MAT 3822

Tritium Production

38-Sr-83

Cross Section -100.0 To 278.9 %



62

Incident Energy (eV)

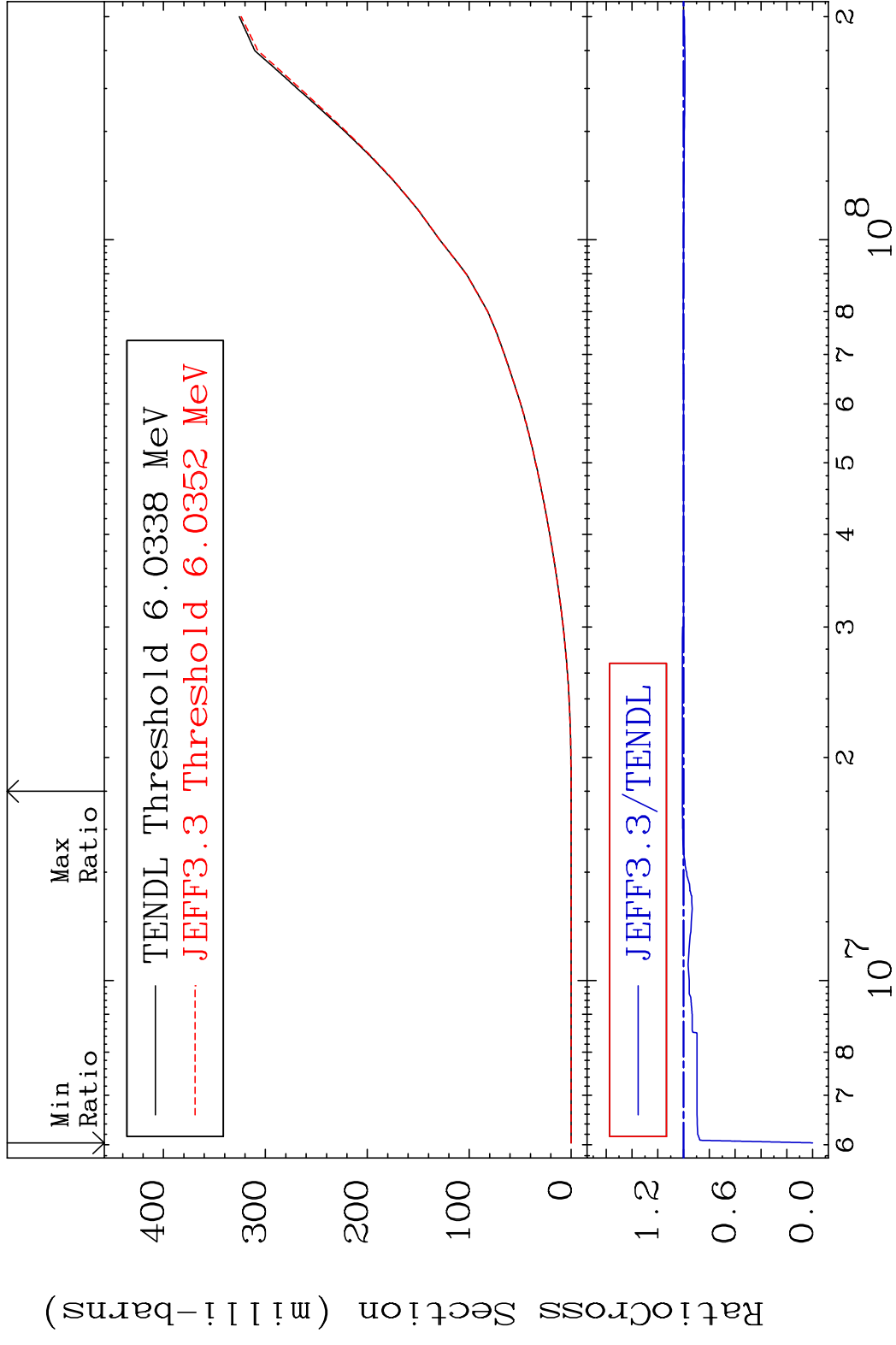
38-Sr-83

MAT 3822

He-3 Production

38-Sr-83

Cross Section -100.0 To 0.945 %



63

Incident Energy (eV)

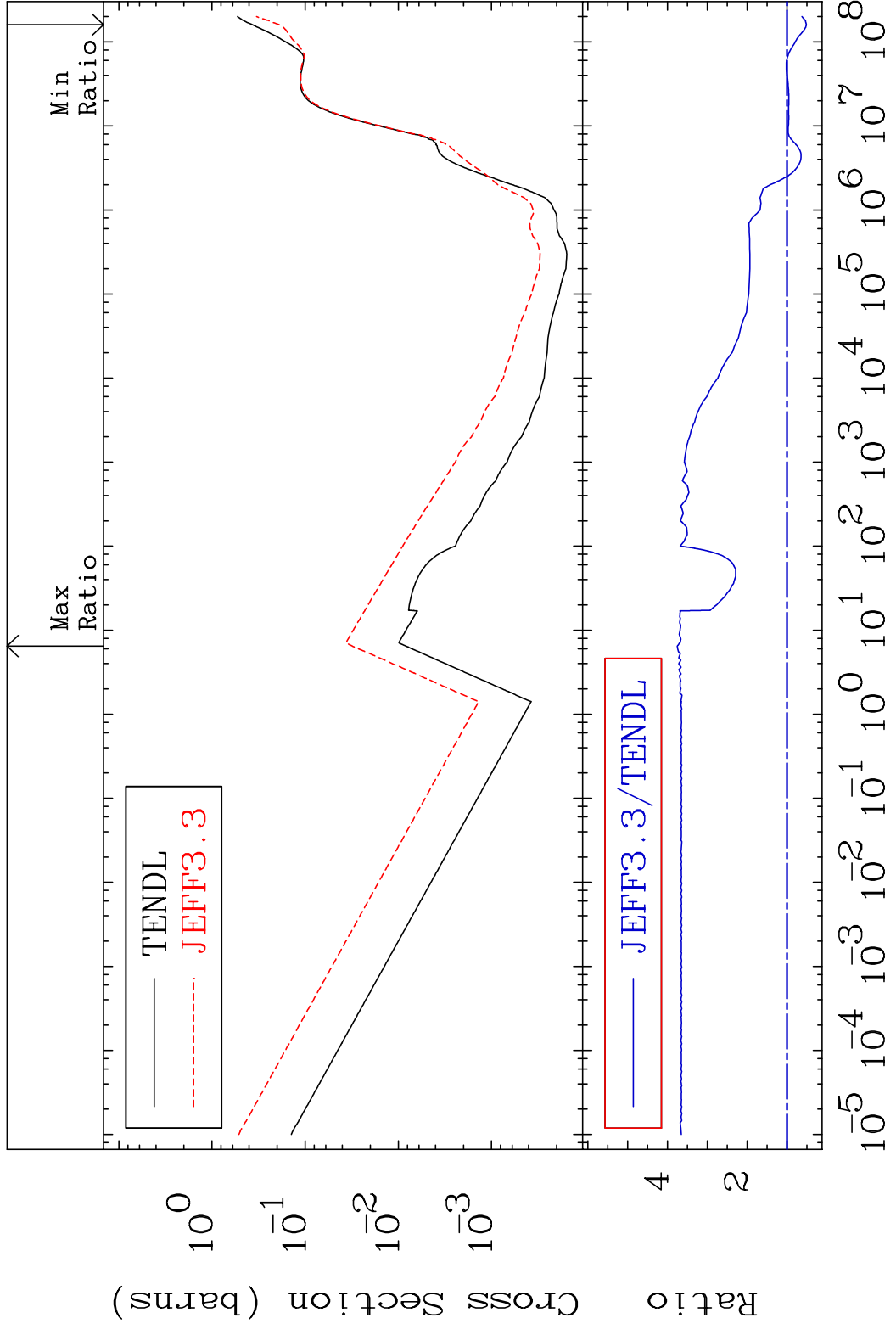
38-Sr-83

MAT 3822

He-4 Production

38-Sr-83

Cross Section -48.57 To 275.6 %

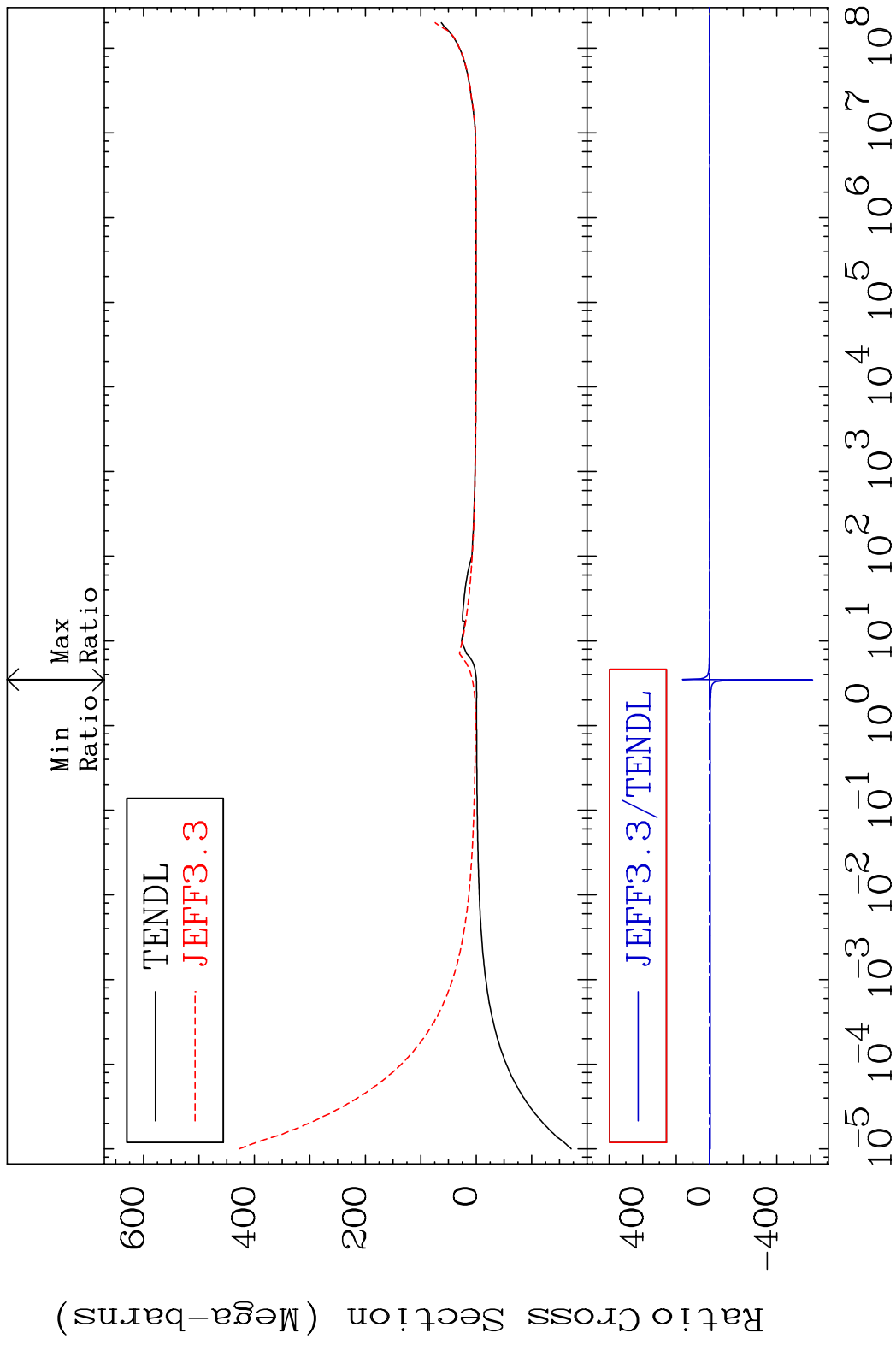


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Incident Energy (eV)

38-Sr-83

MAT 3822 Kerma total (eV-barns) 38-Sr-83
Cross Section -9999. To 9999. %

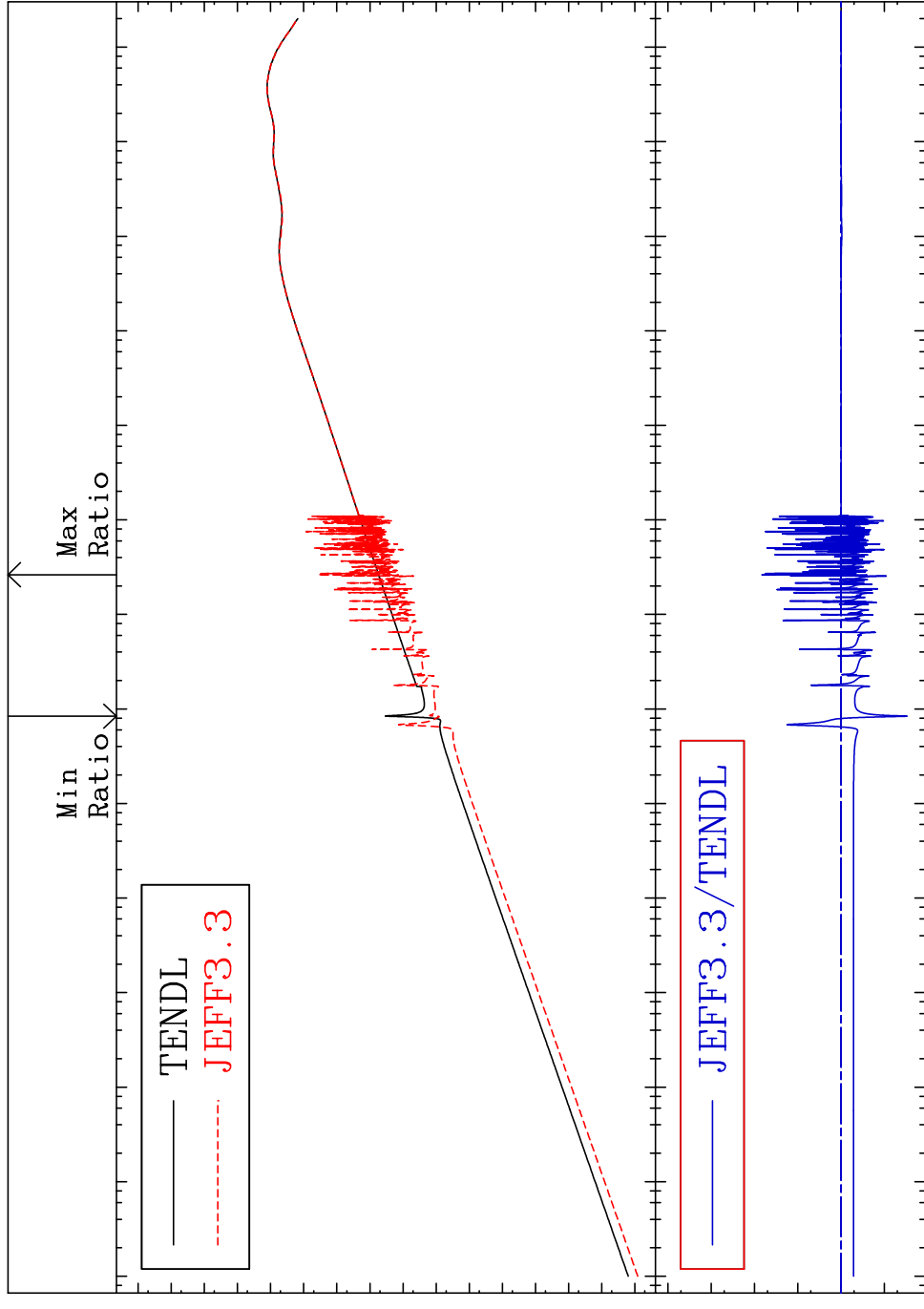


65 Incident Energy (eV) 38-Sr-83

MAT 3822

Kerma elastic Cross Section -97.04 To 6653. %

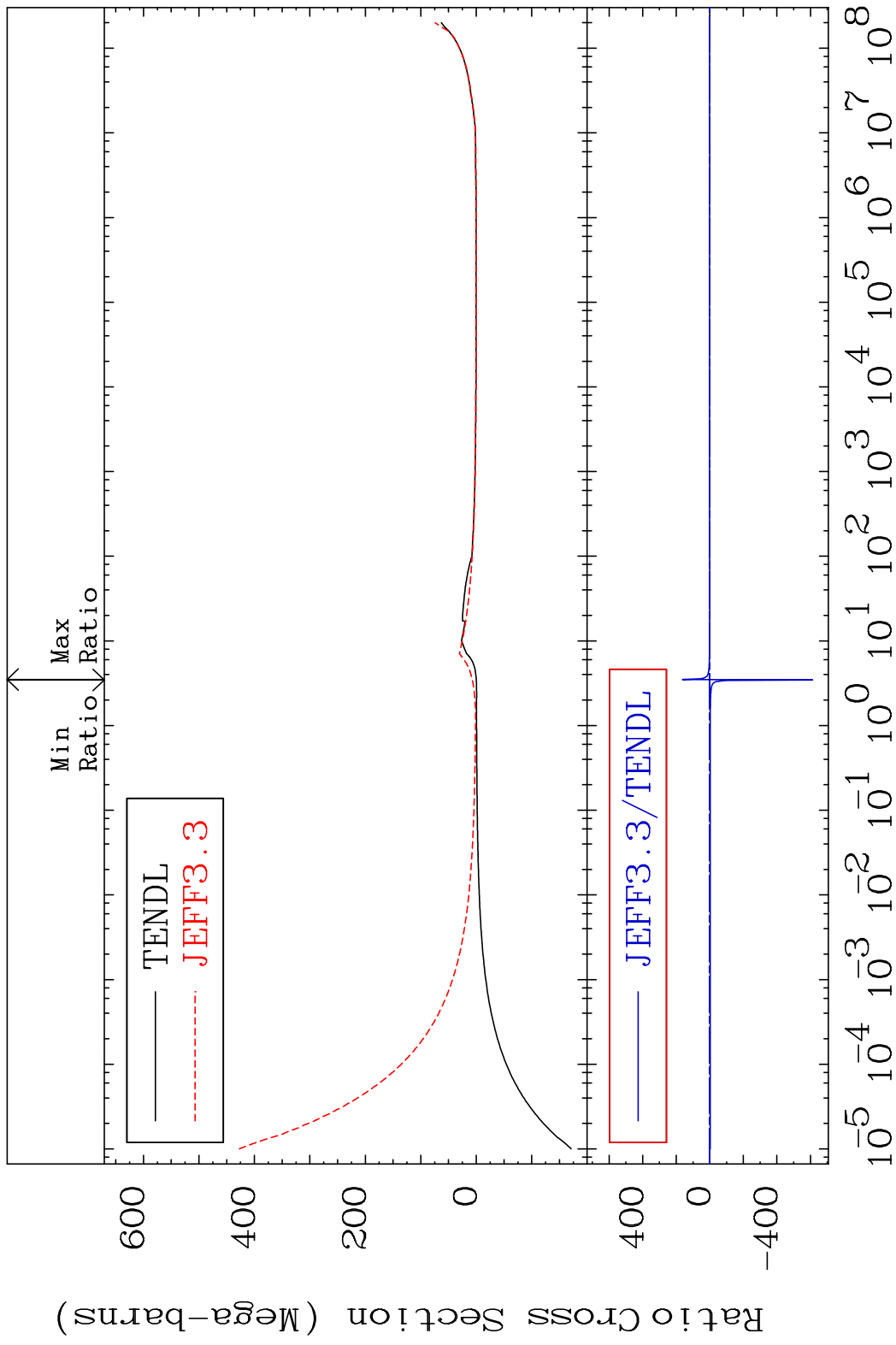
38-Sr-83



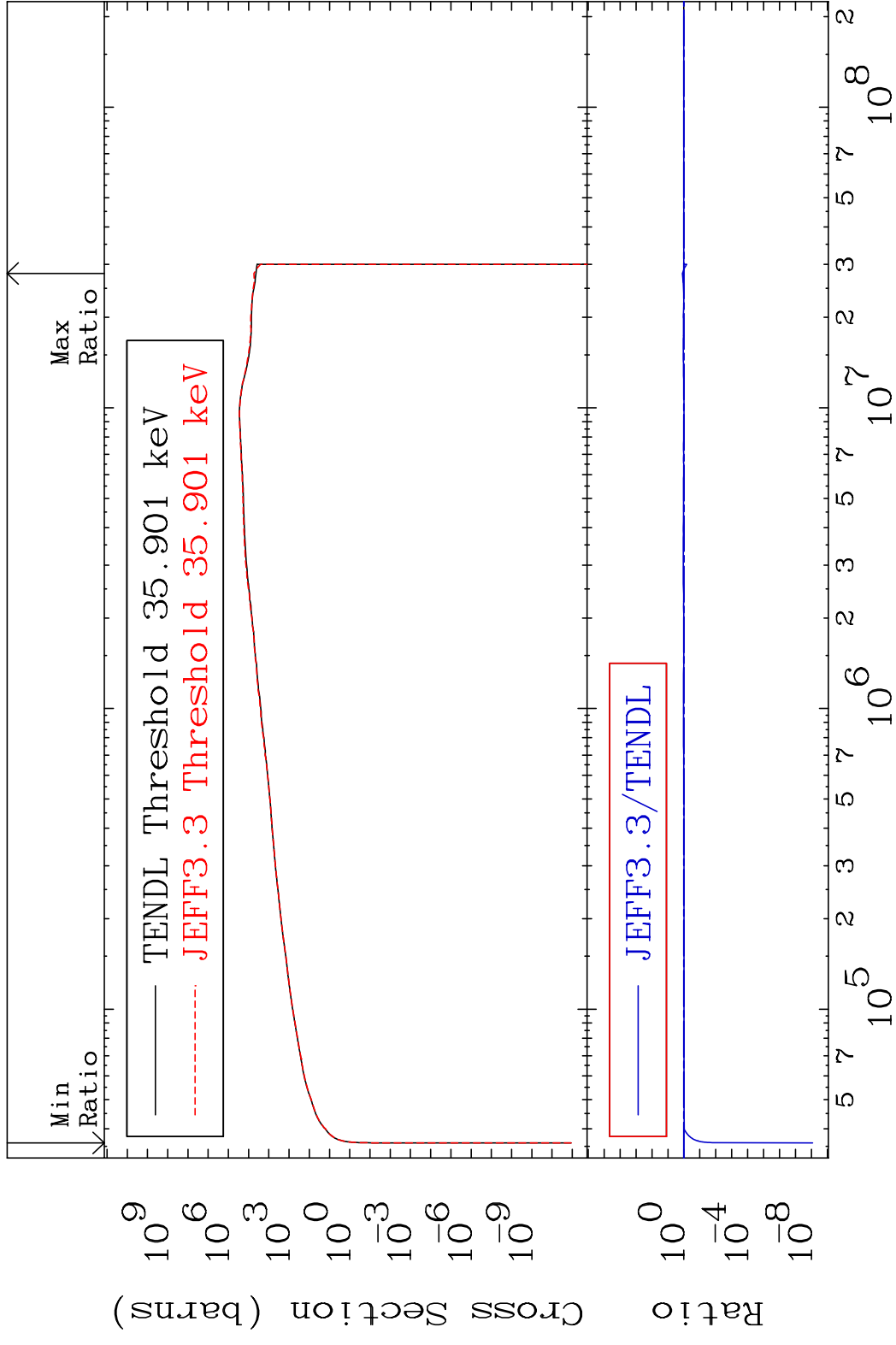
Cross Section (barns)
 10^8
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
Ratio
 10^2
 10^0

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

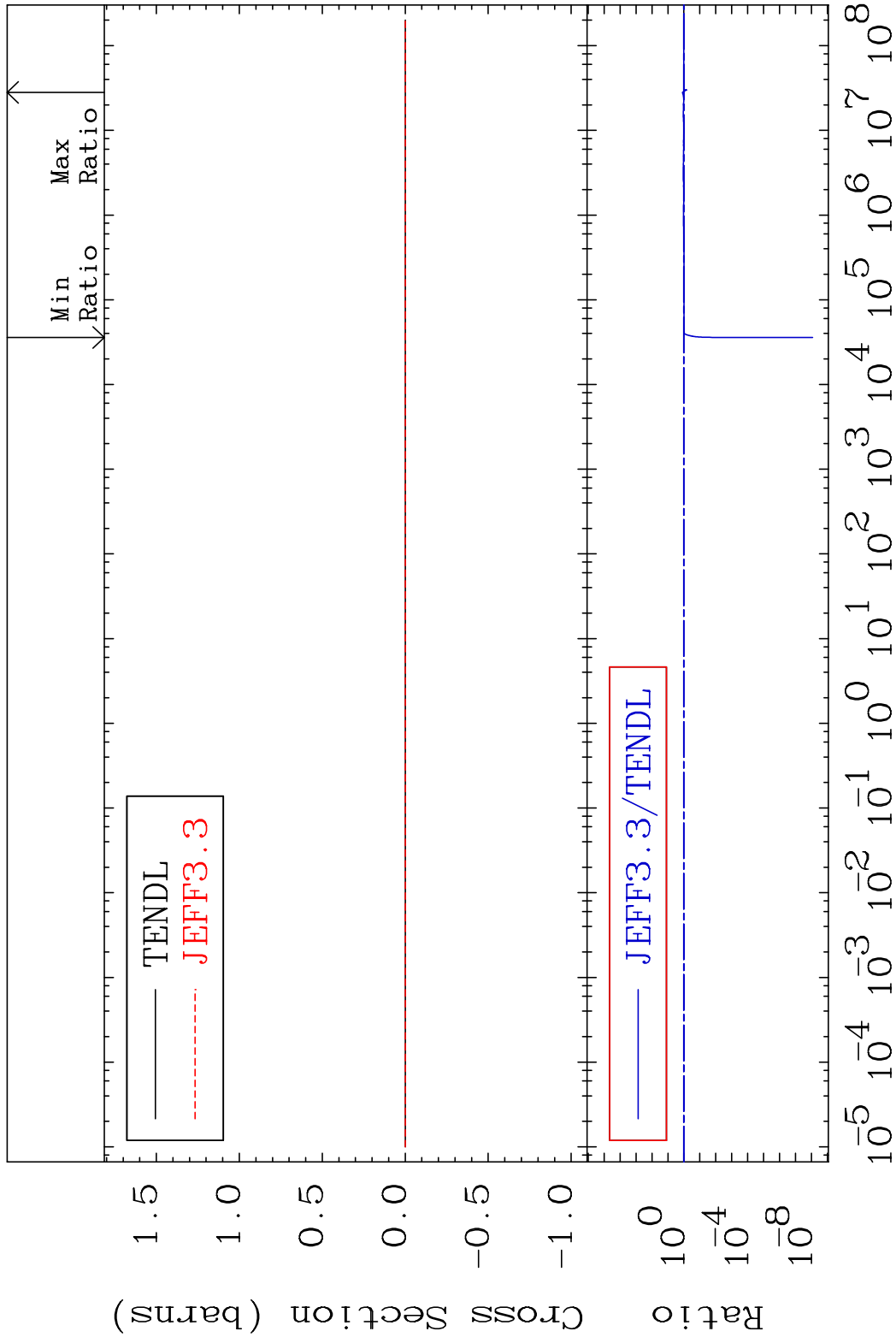
MAT 3822 Kerma non-elastic (all but mt2) 38-Sr-83
 Cross Section -9999. To 9999. %



MAT 3822 Kerma inelastic (mt51-91) 38-Sr-83
 Cross Section -100.0 To 24.45 %

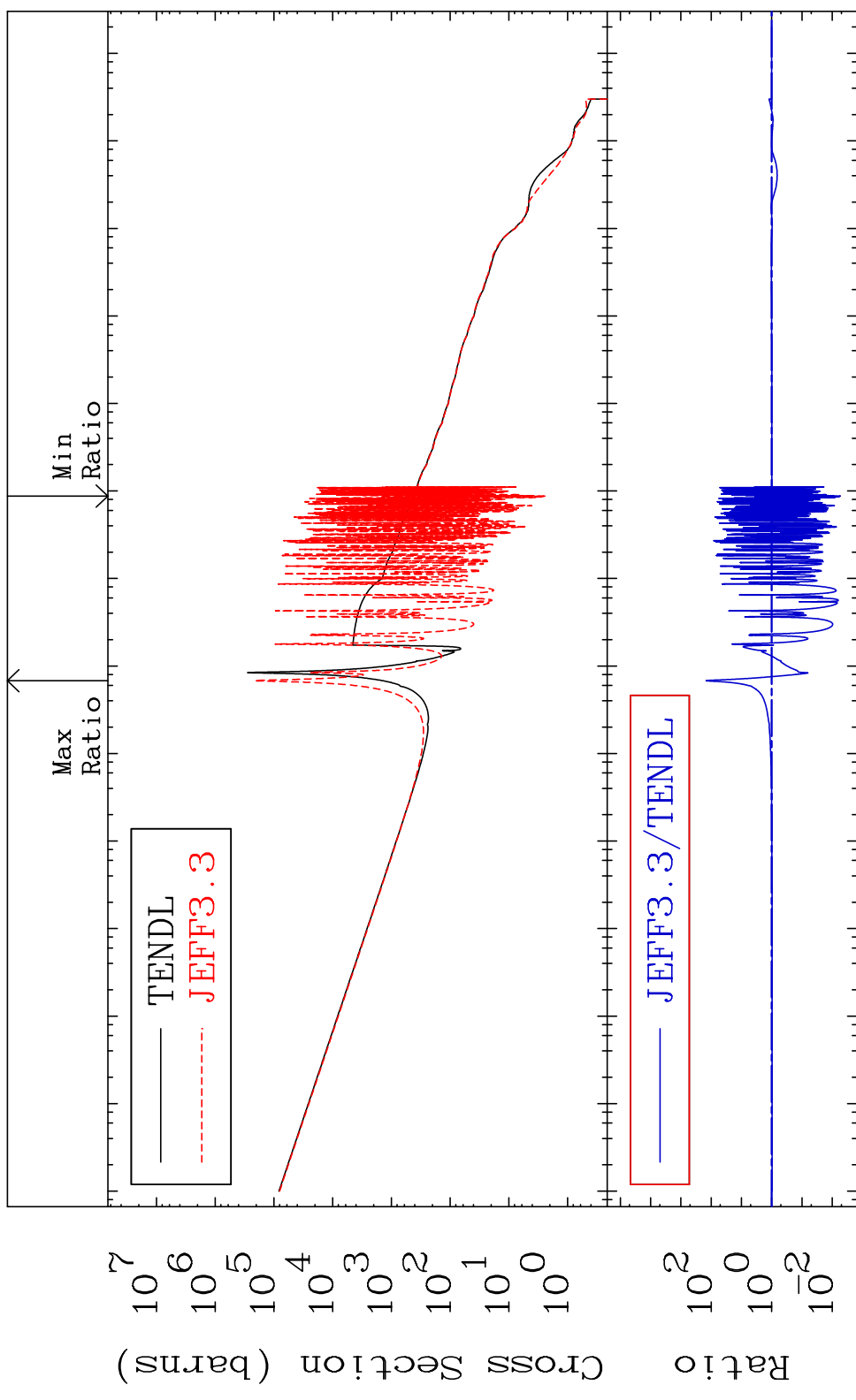


MAT 3822 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-83
 Cross Section -100.0 To 24.45 %



MAT 3822

Kerma capture (mt102) 38-Sr-83
Cross Section -99.46 To 9999. %

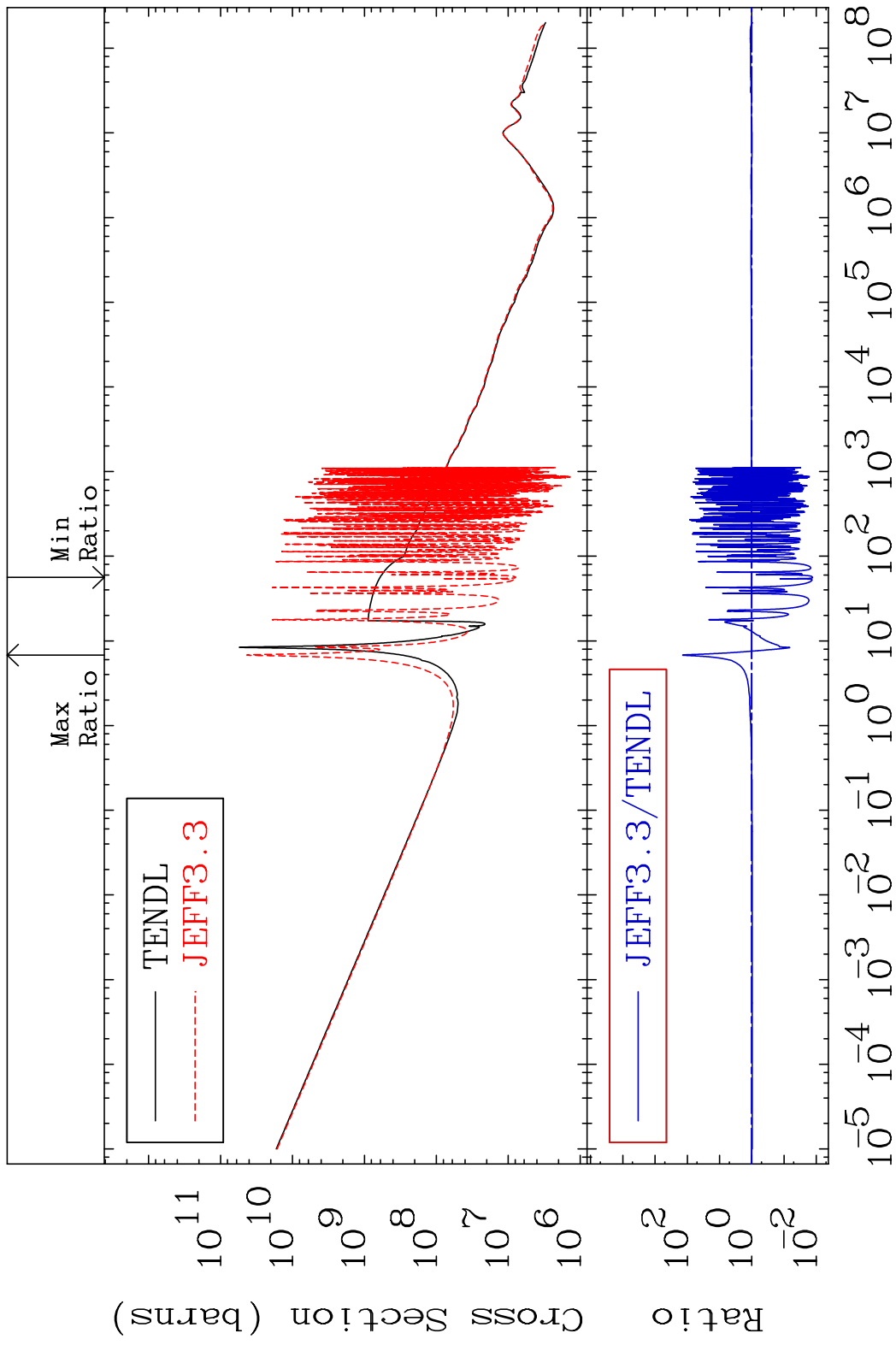


70

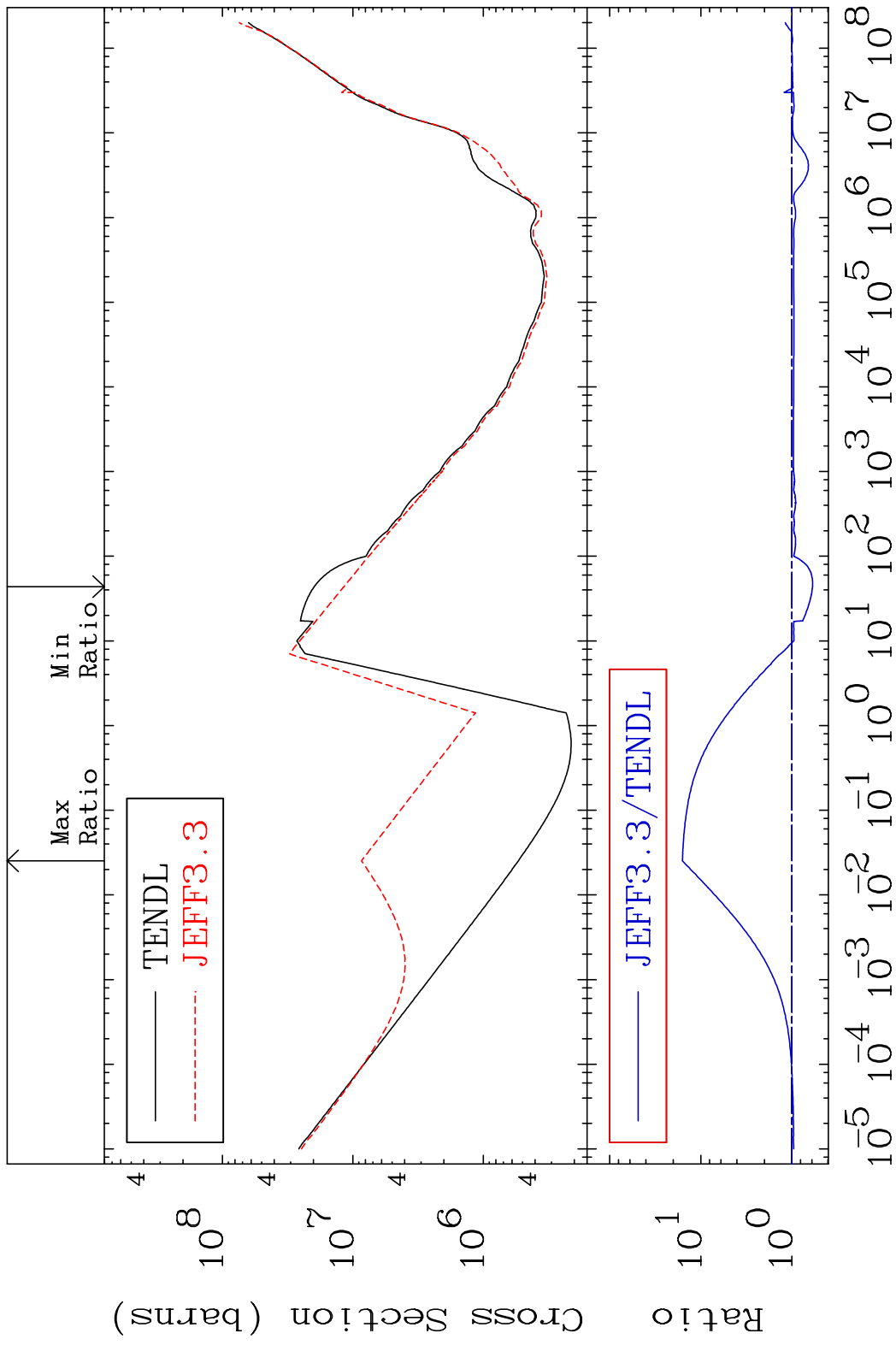
Incident Energy (eV)

38-Sr-83

MAT 3822 Total photon (eV-barns) 38-Sr-83
 Cross Section -98.69 To 9999. %



MAT 3822 Total kinematic kerma (high limit) 38-Sr-83
 Cross Section -40.89 To 1493. %

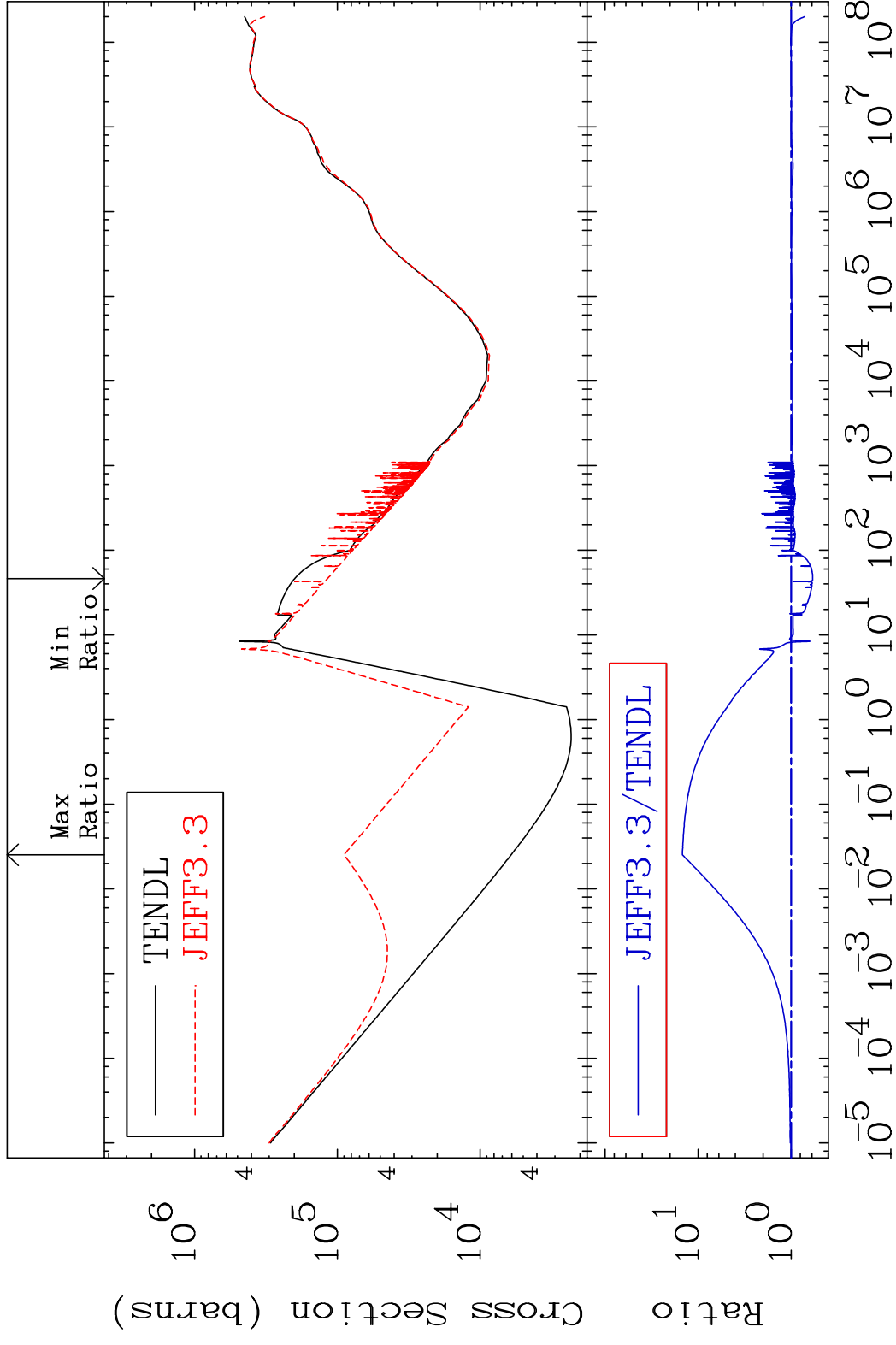


MAT 3822

Dpa total (eV-barns)

38-Sr-83

Cross Section -41.07 To 1380. %



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Incident Energy (eV)

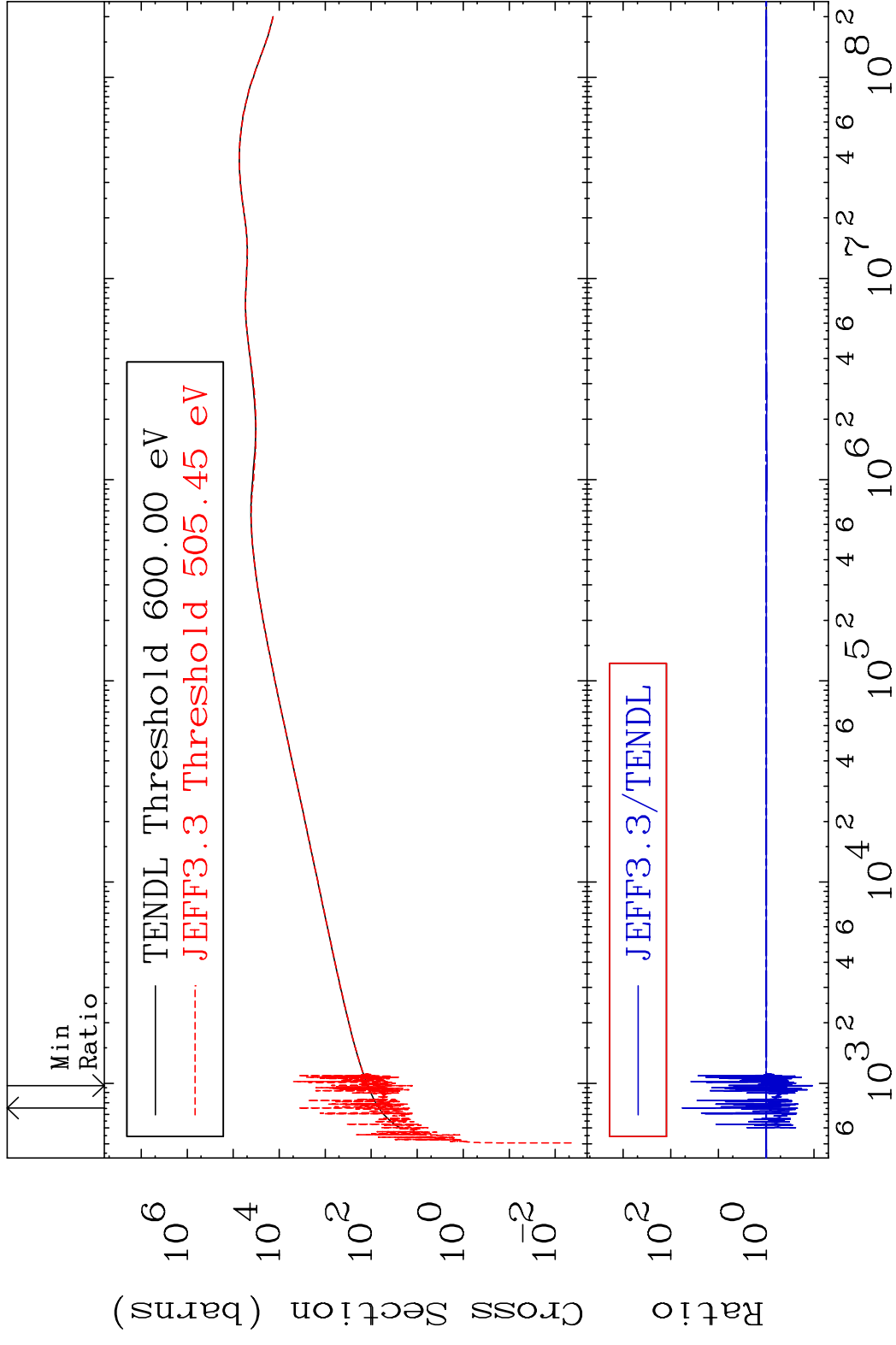
38-Sr-83

MAT 3822

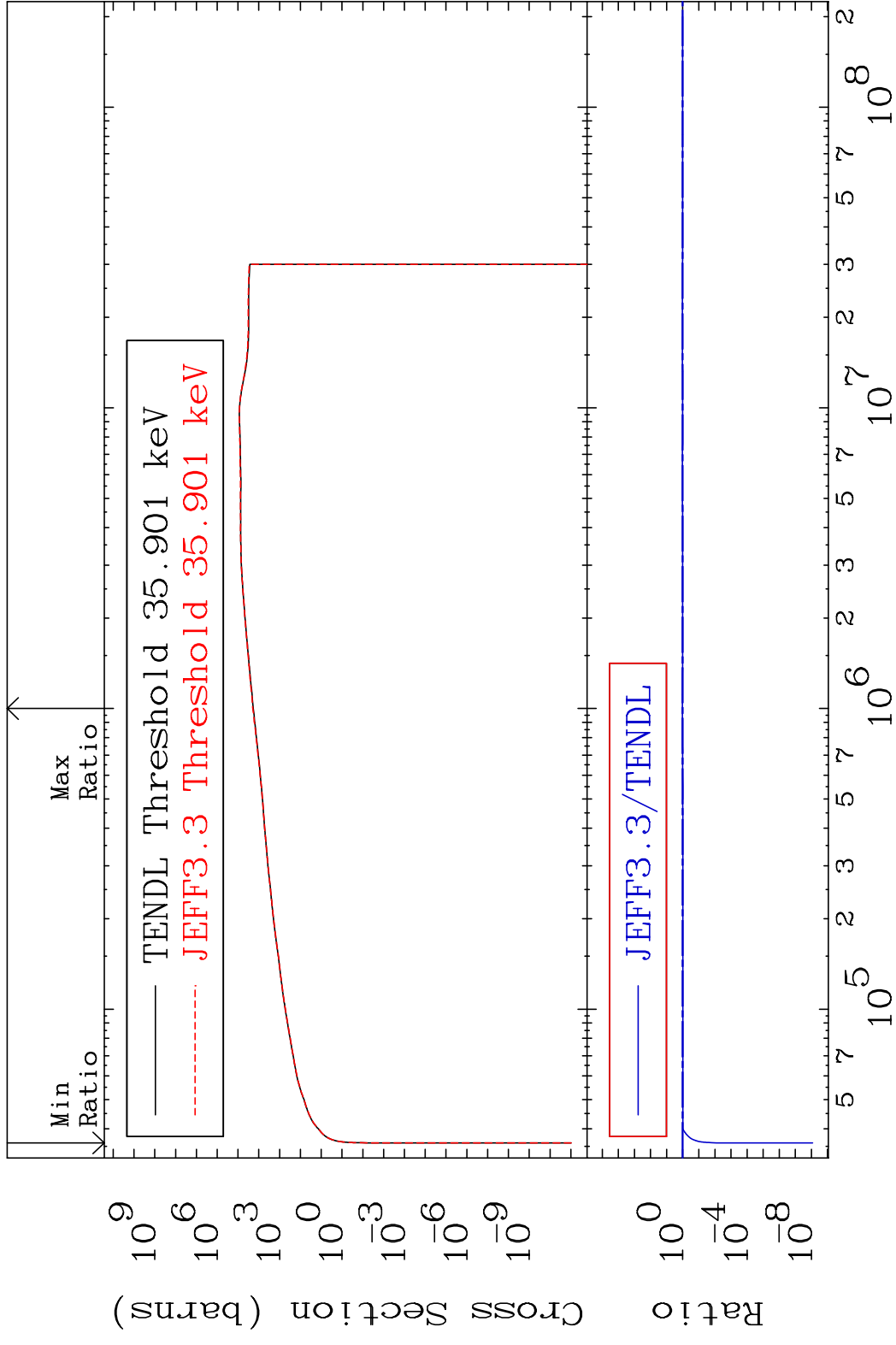
Dpa elastic (mt2)

38-Sr-83

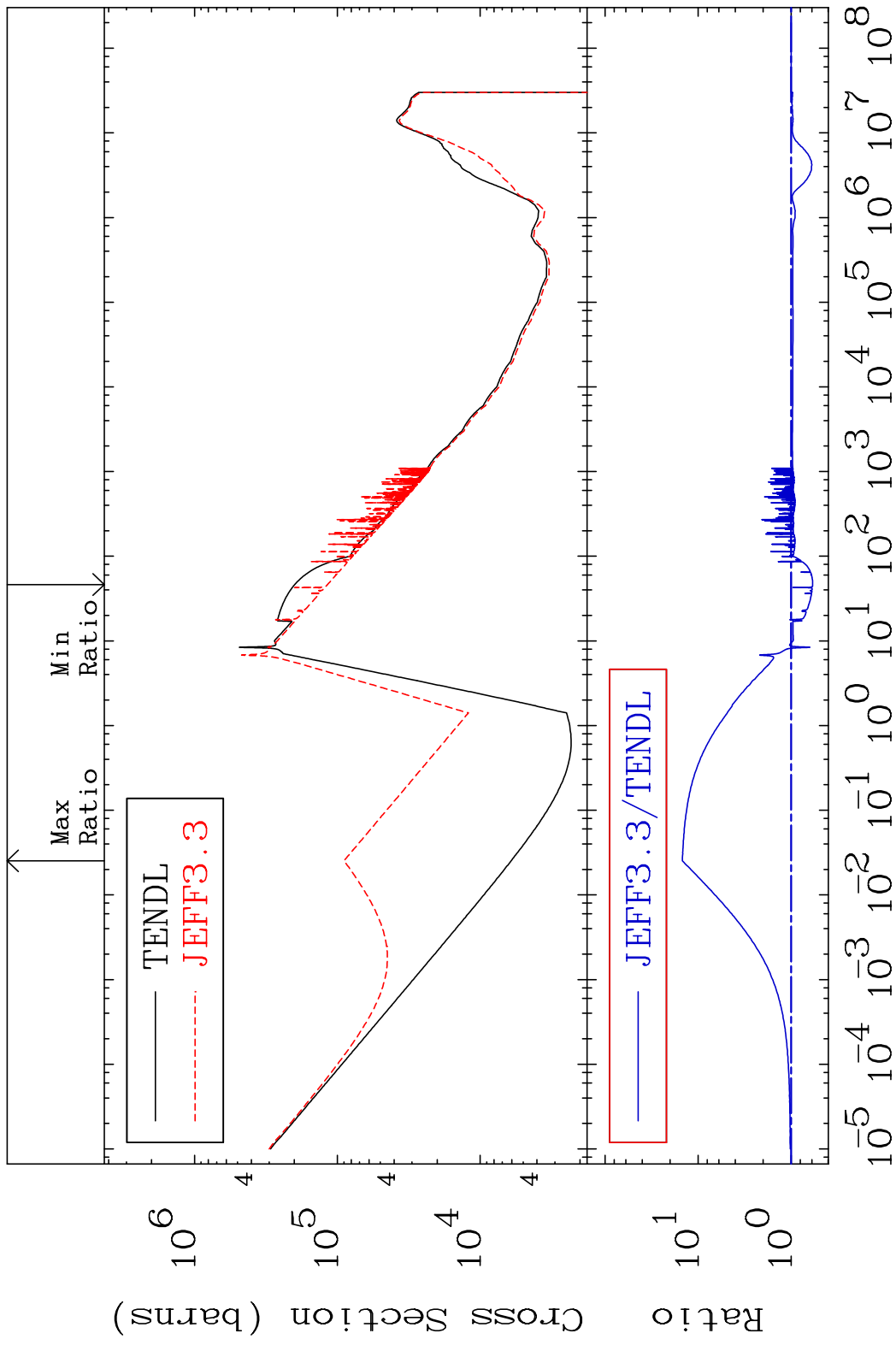
Cross Section -89.34 To 5629. %

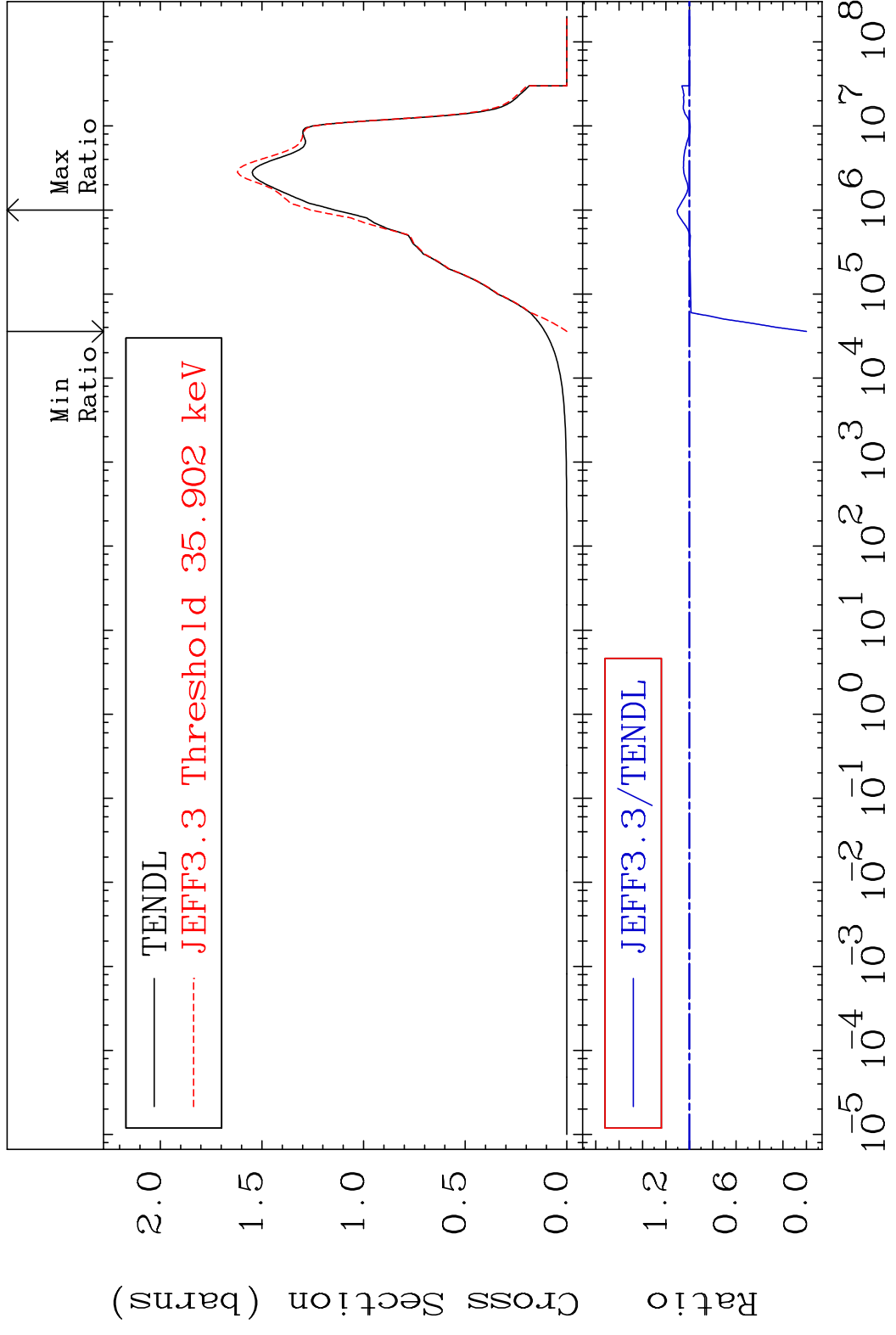


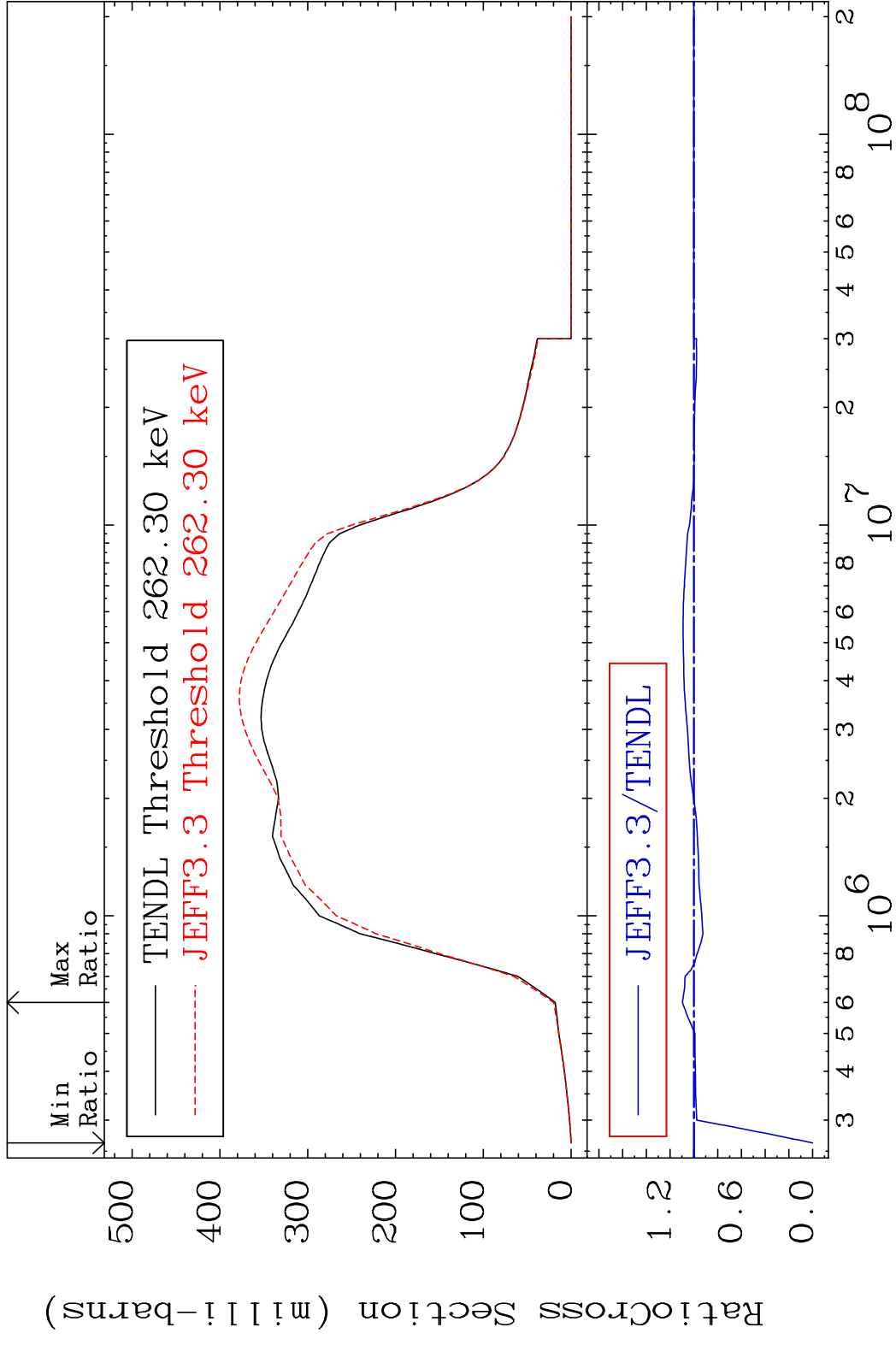
Cross Section -100.0 To 5.248 %

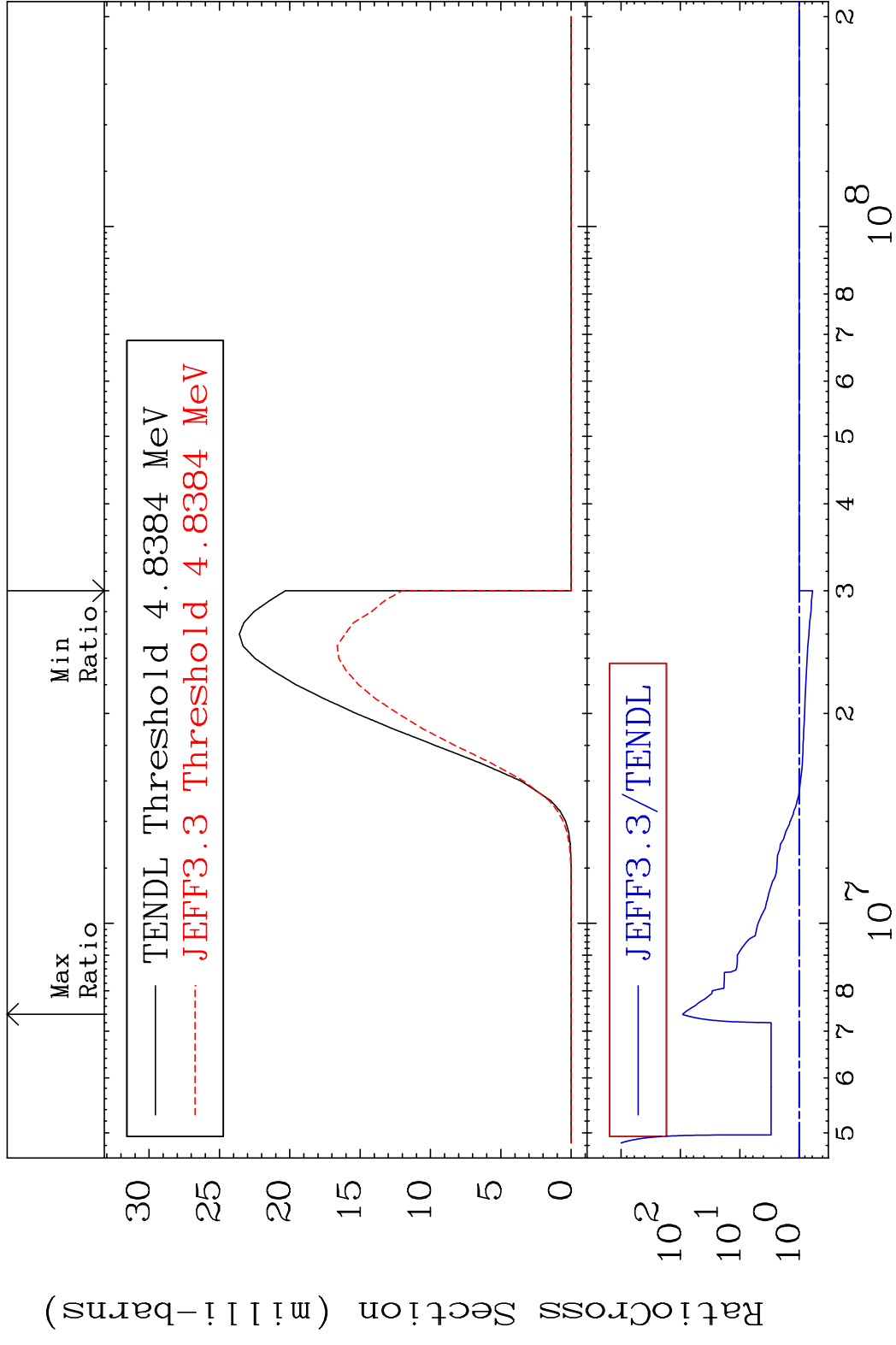


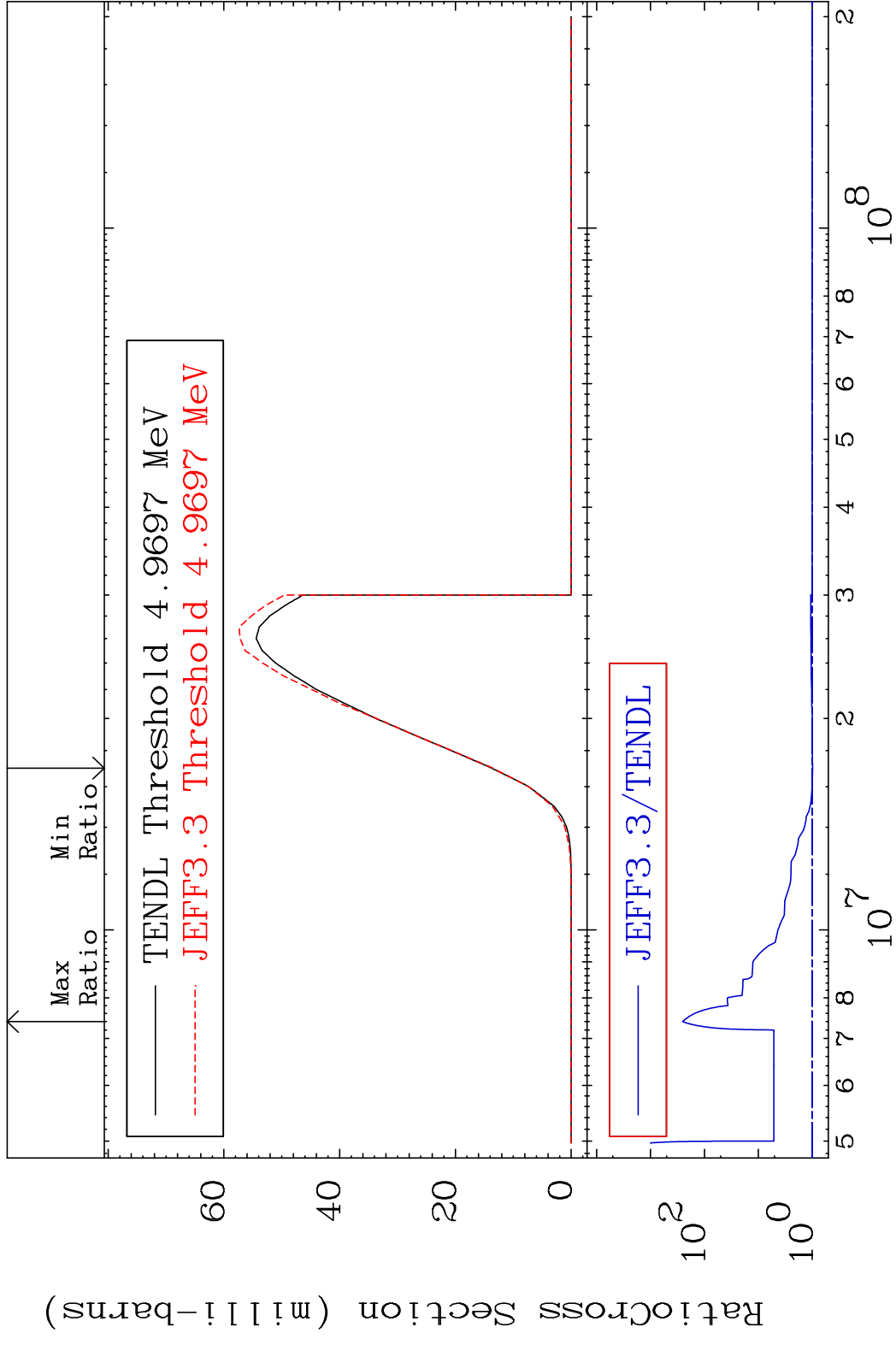
MAT 3822 Dpa disappearance (mt102 -120) 38-Sr-83
 Cross Section -41.07 To 1380. %



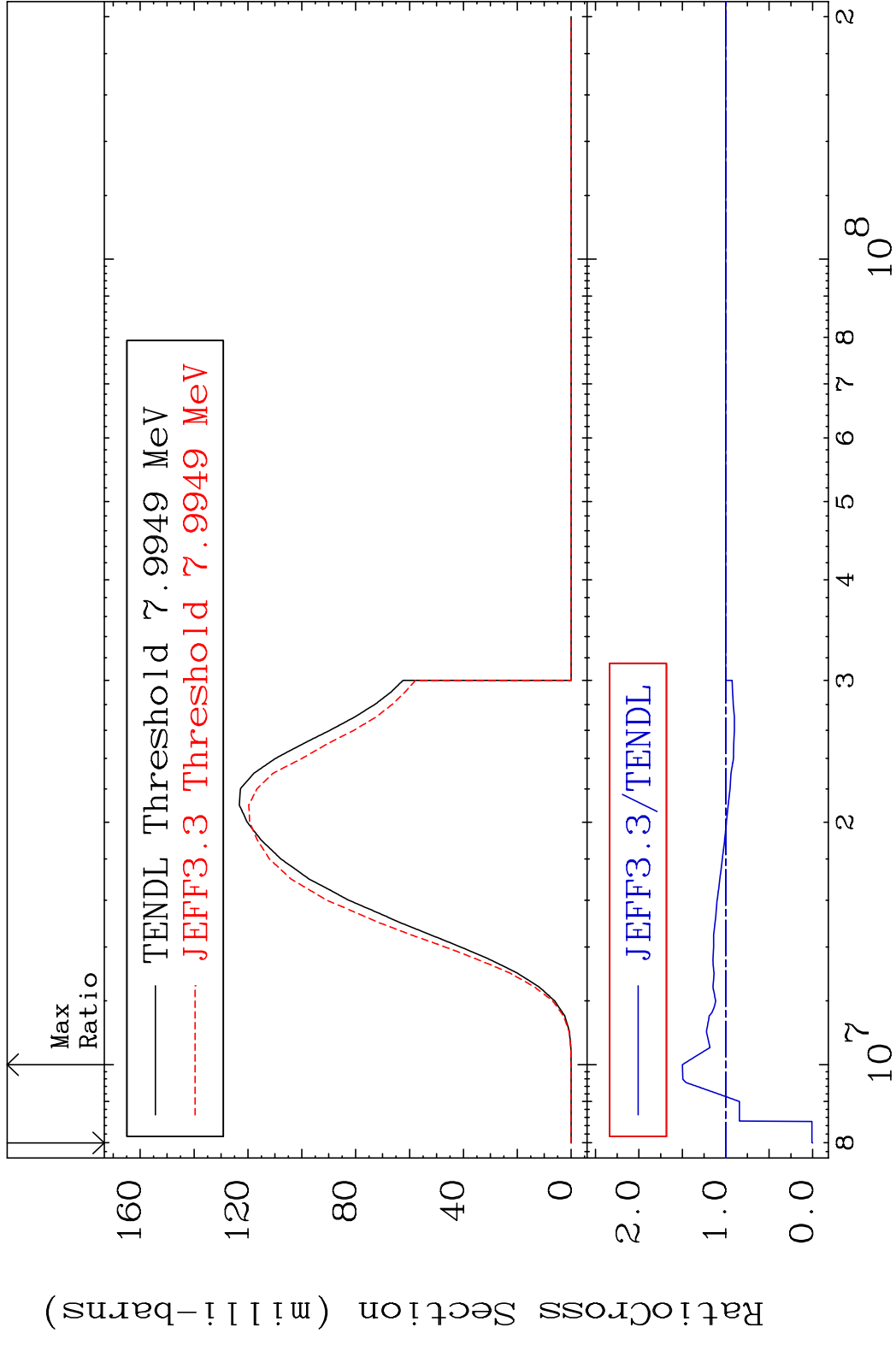


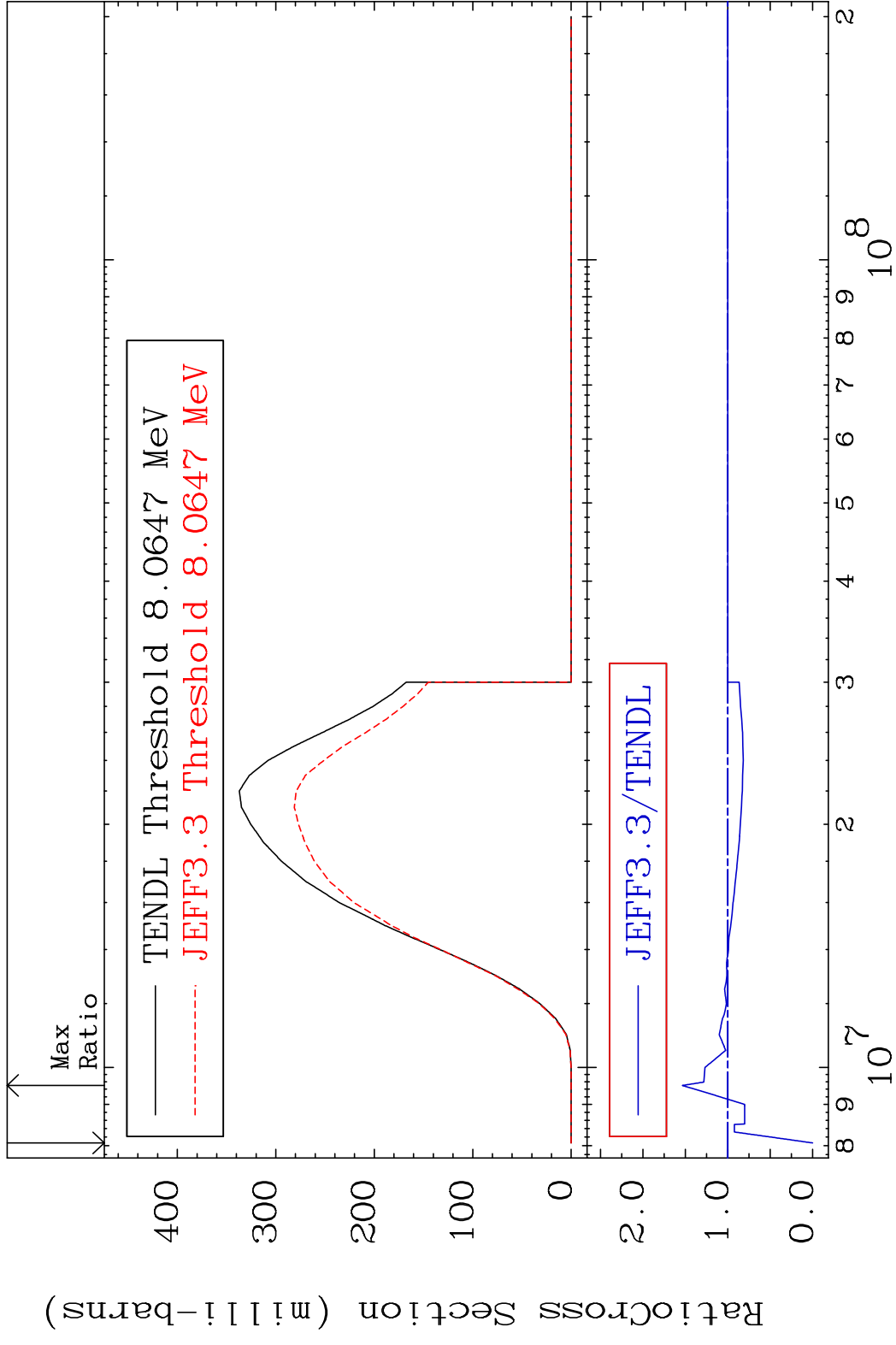


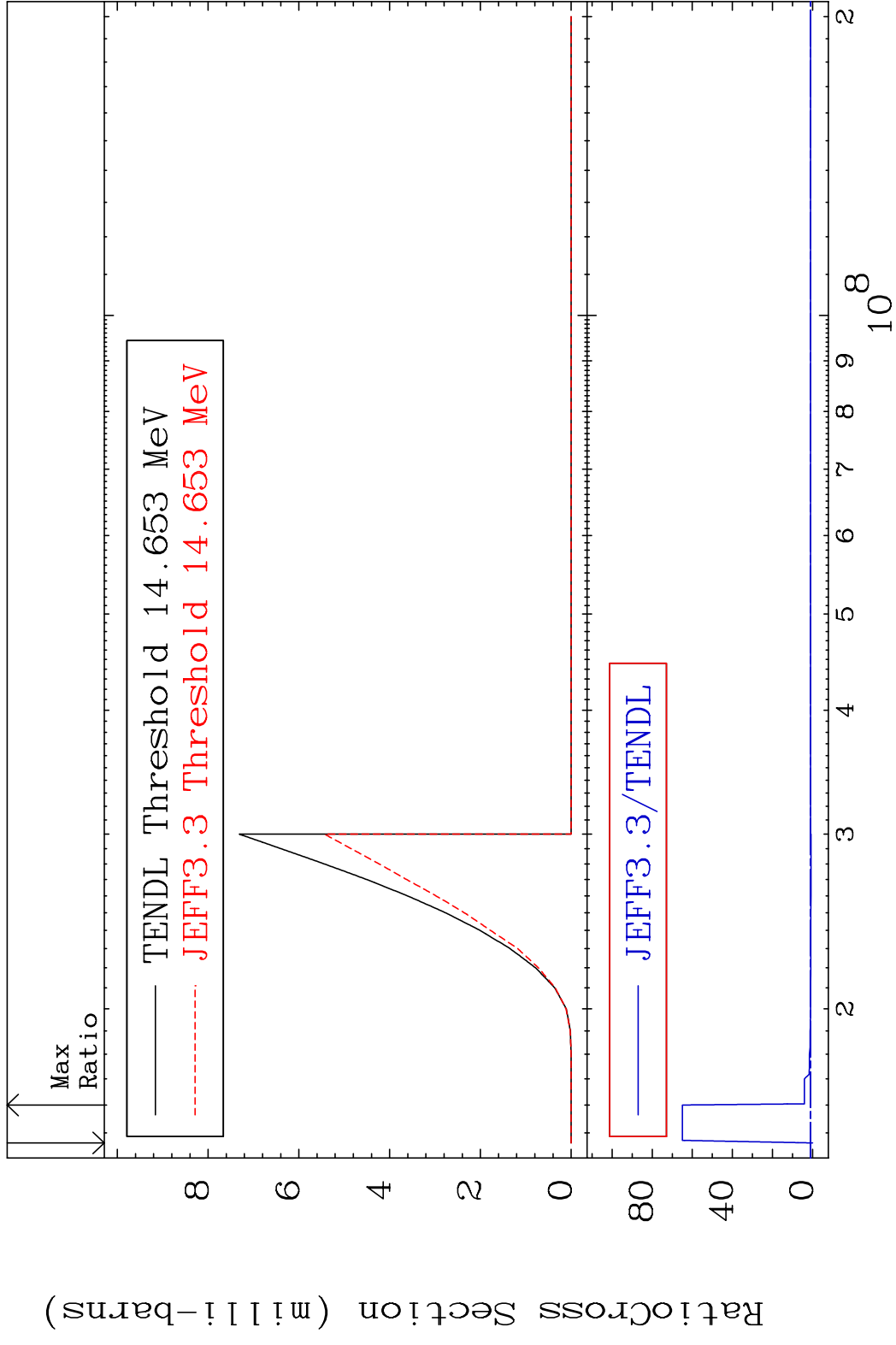




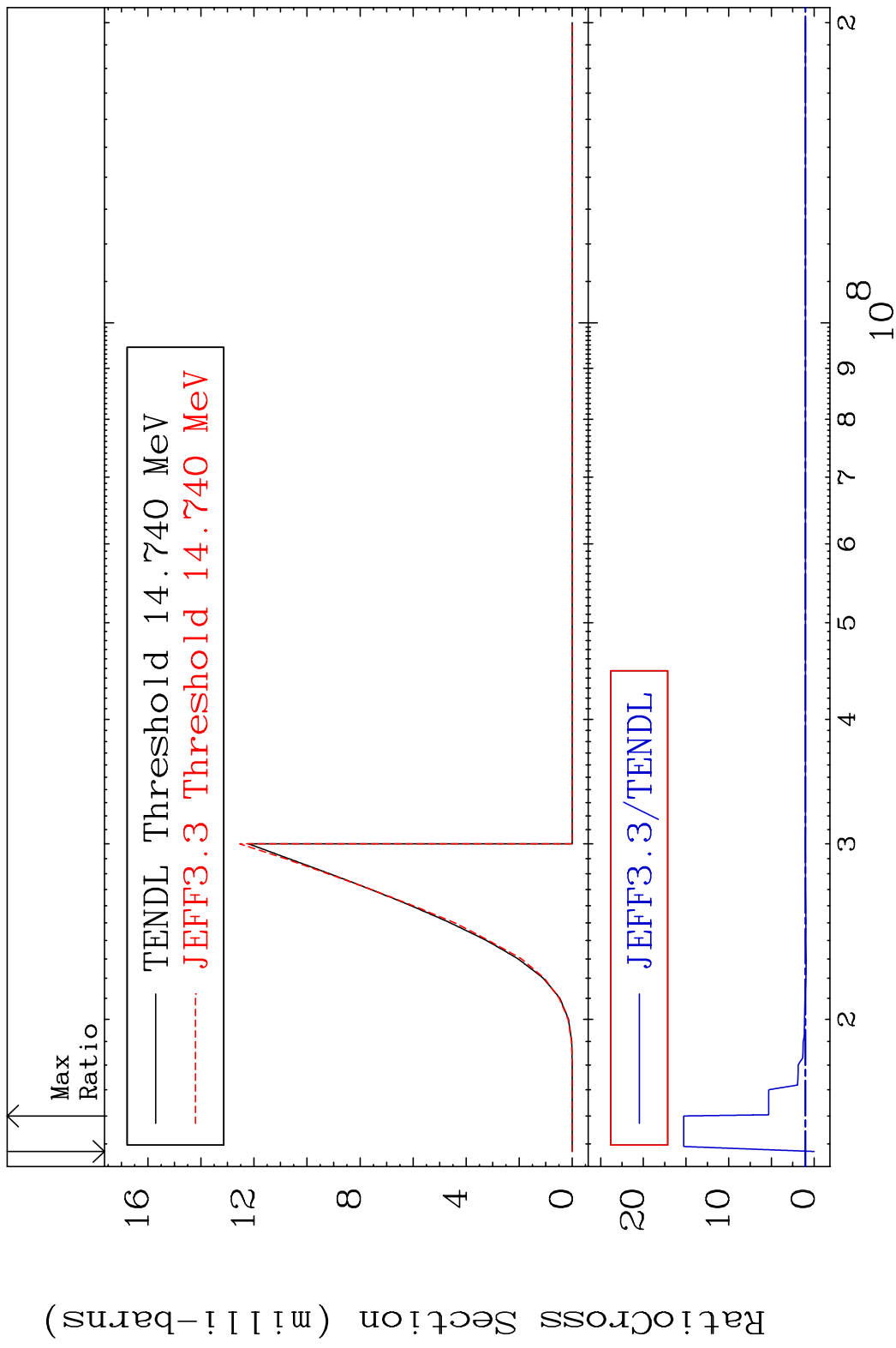
MAT 3822 (n, n') p:37-Rb-82g 38-Sr-83
 Radionuclide Production Cross Section Ratio 49.97 %

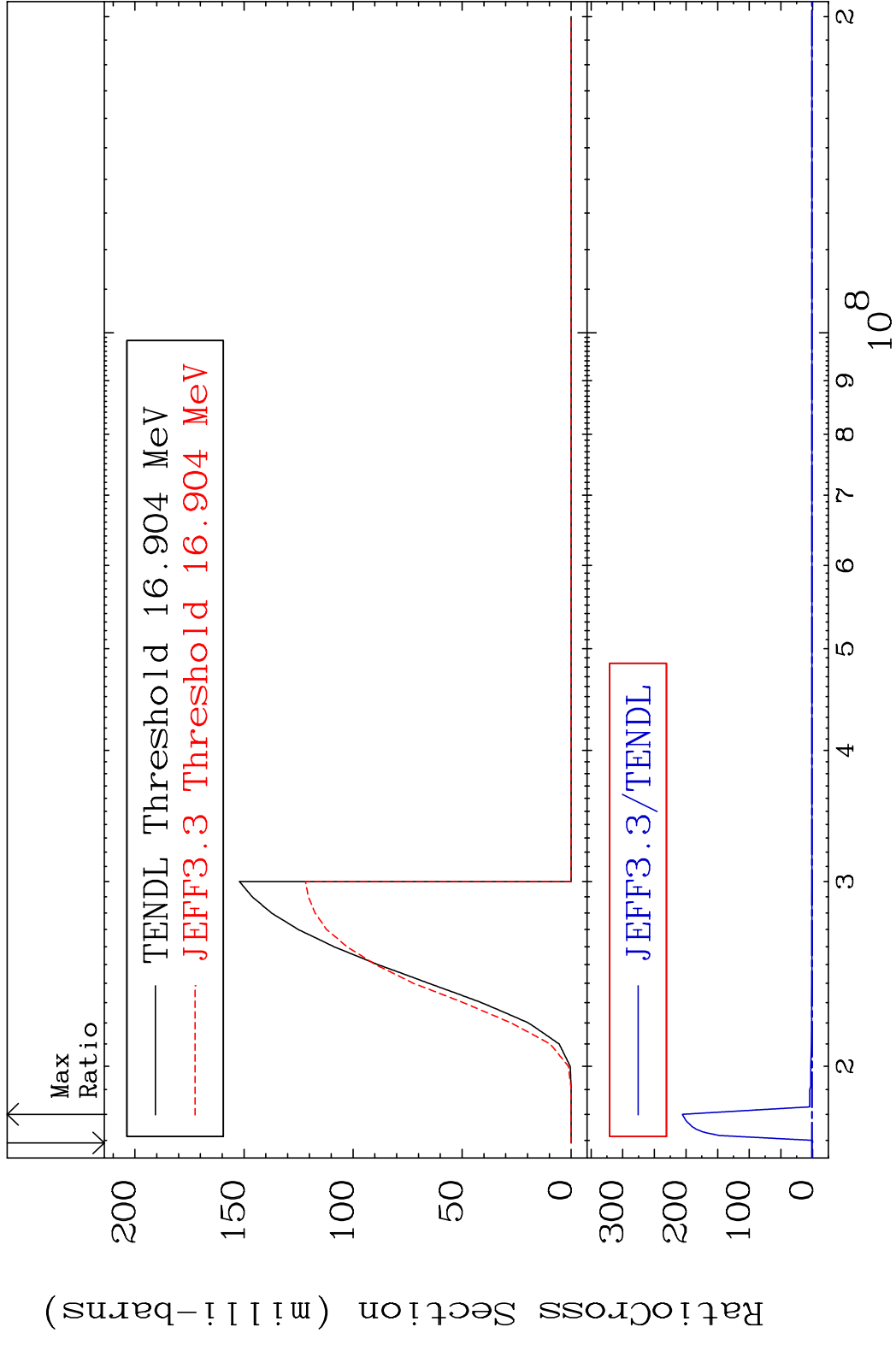


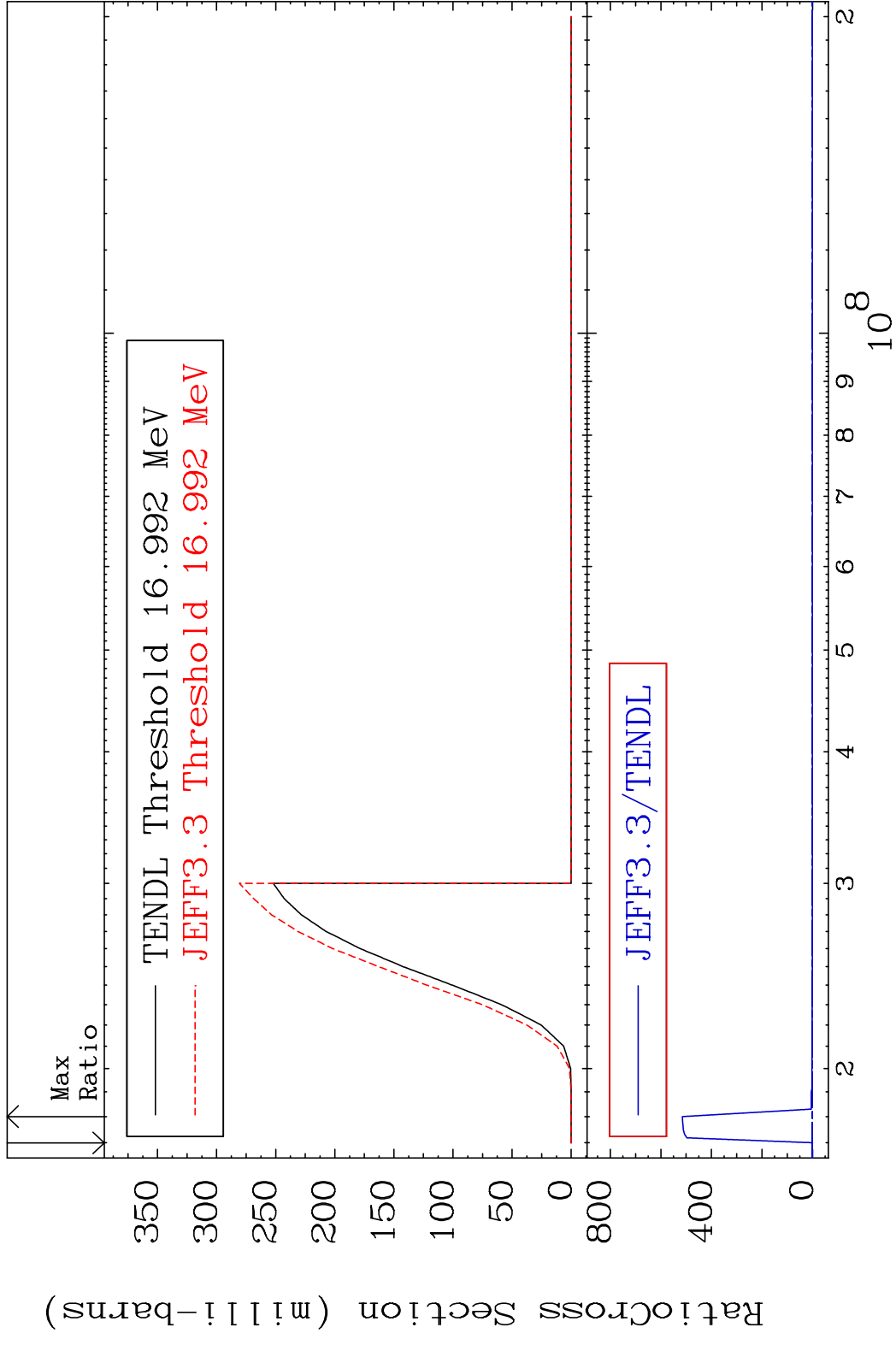


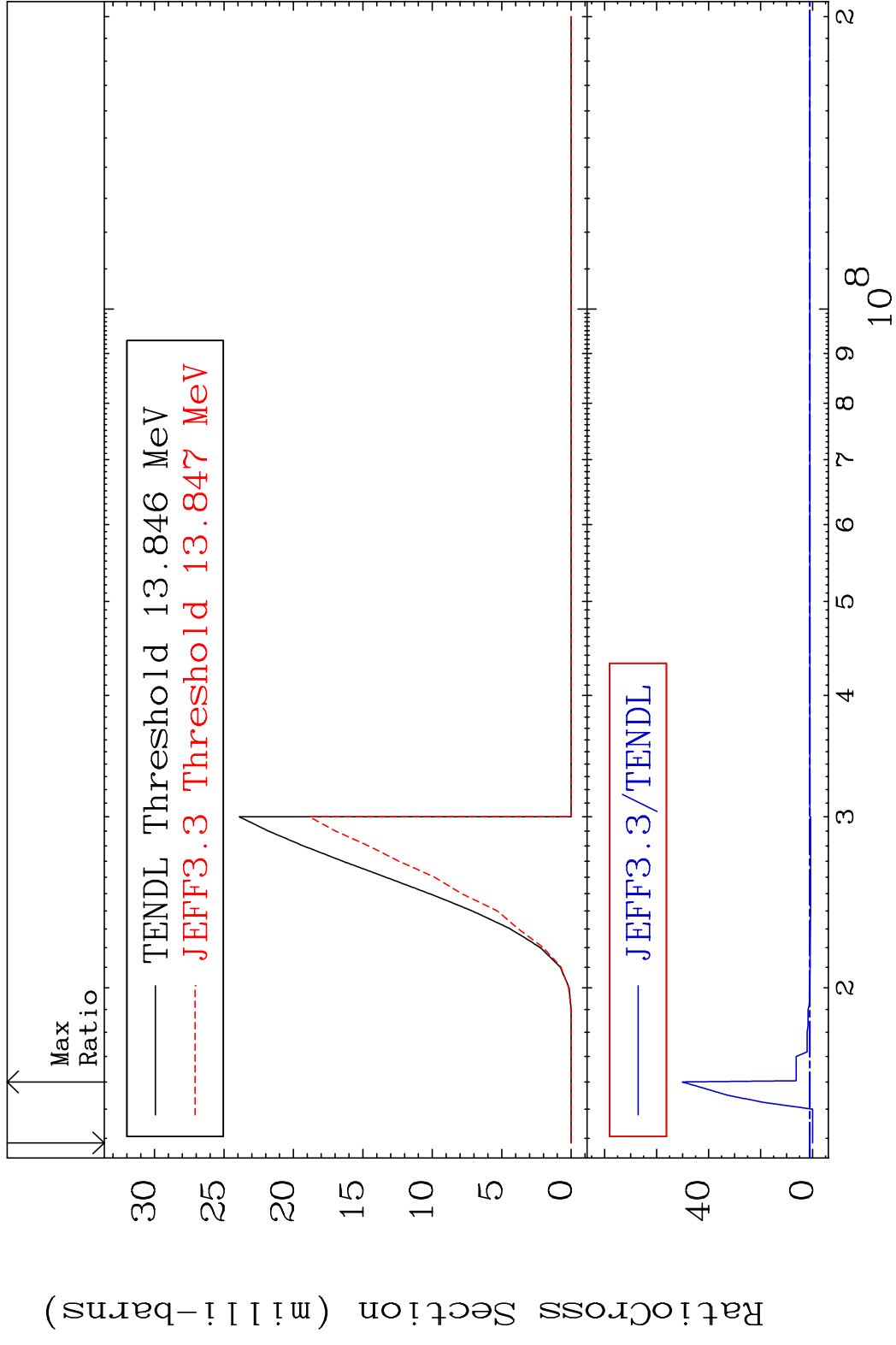


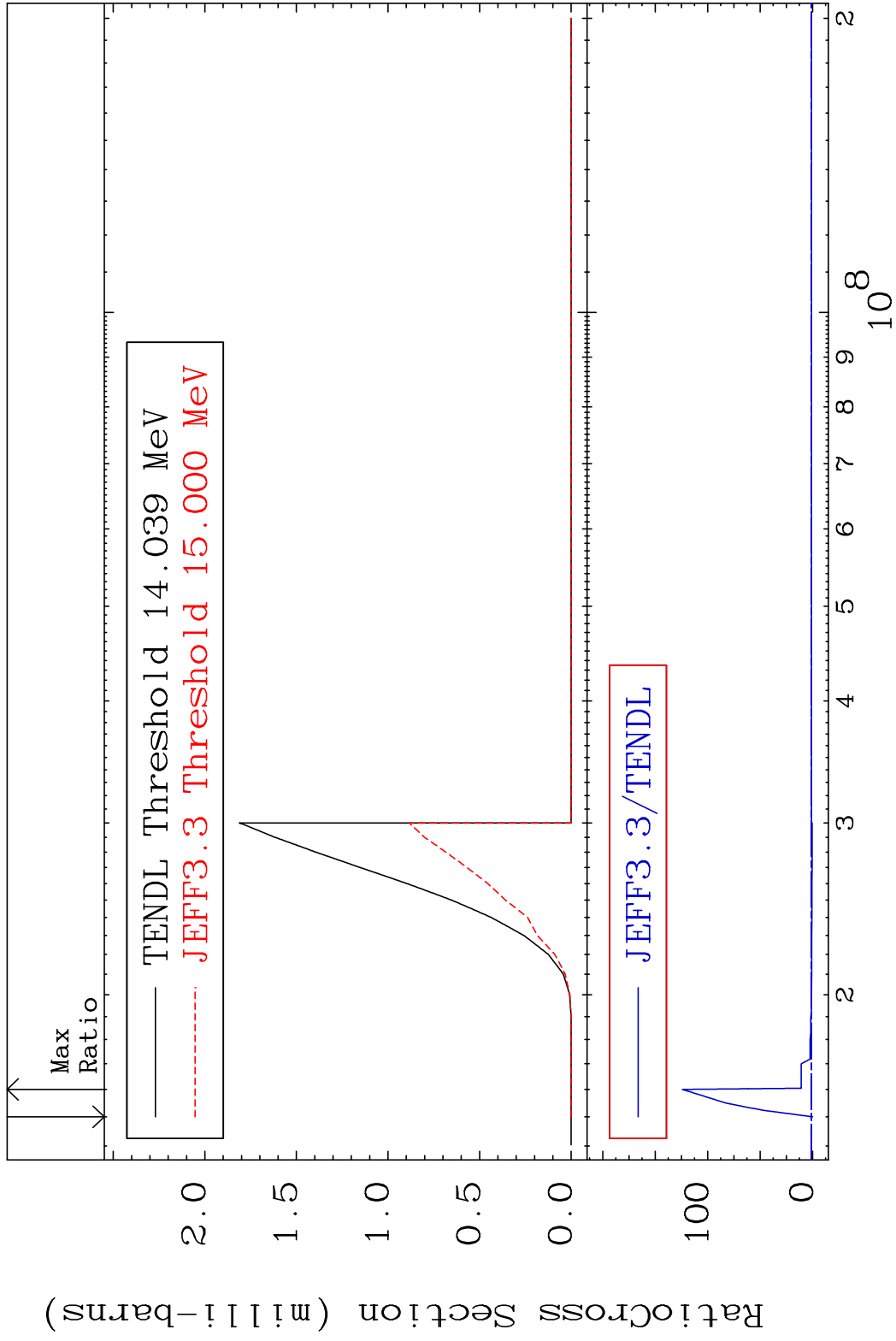
MAT 3822 (n, n') d:37-Rb-81m1 38-Sr-83
 Radionuclide Production Cross Section 1800 d to 1428. %

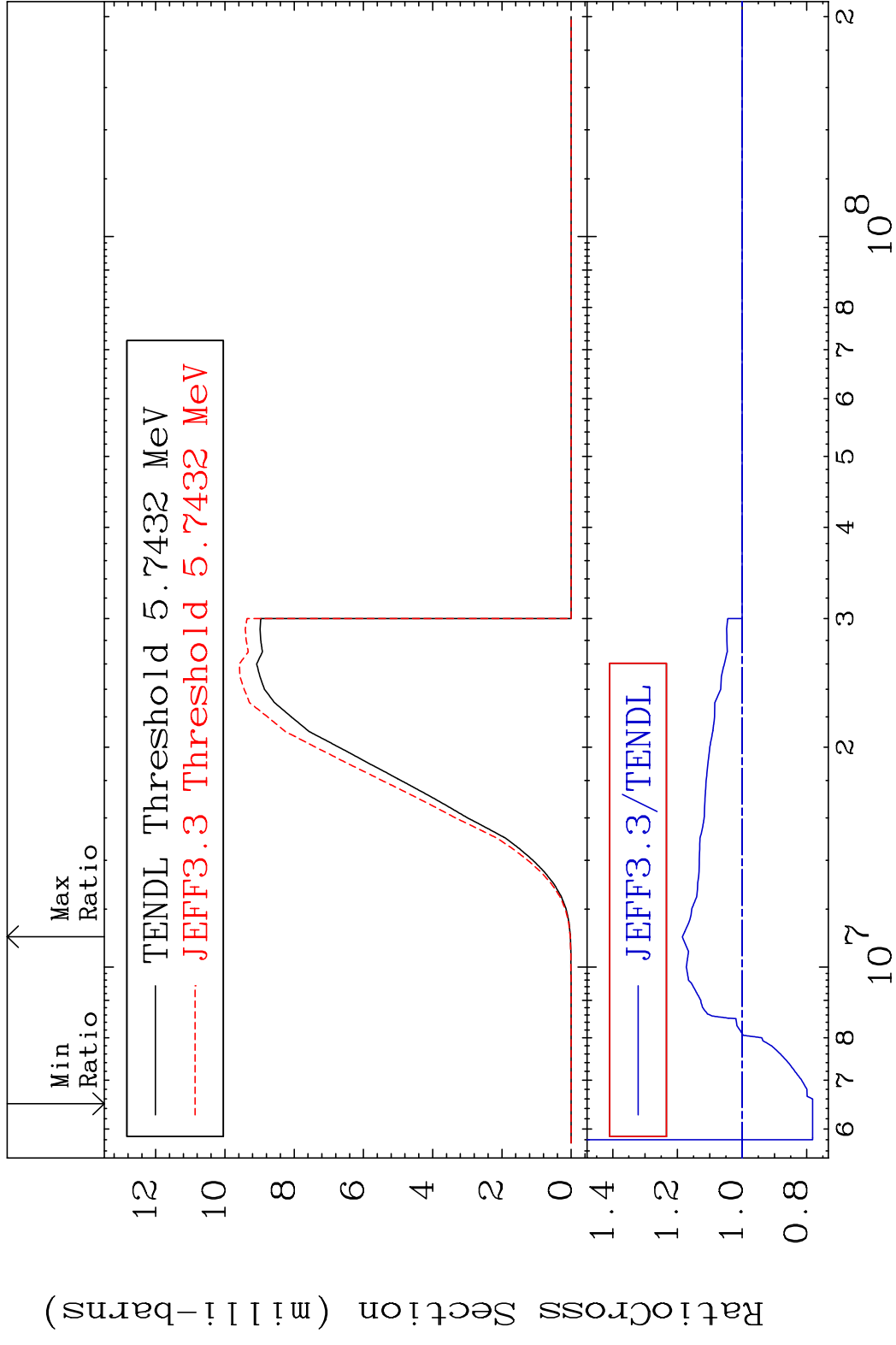




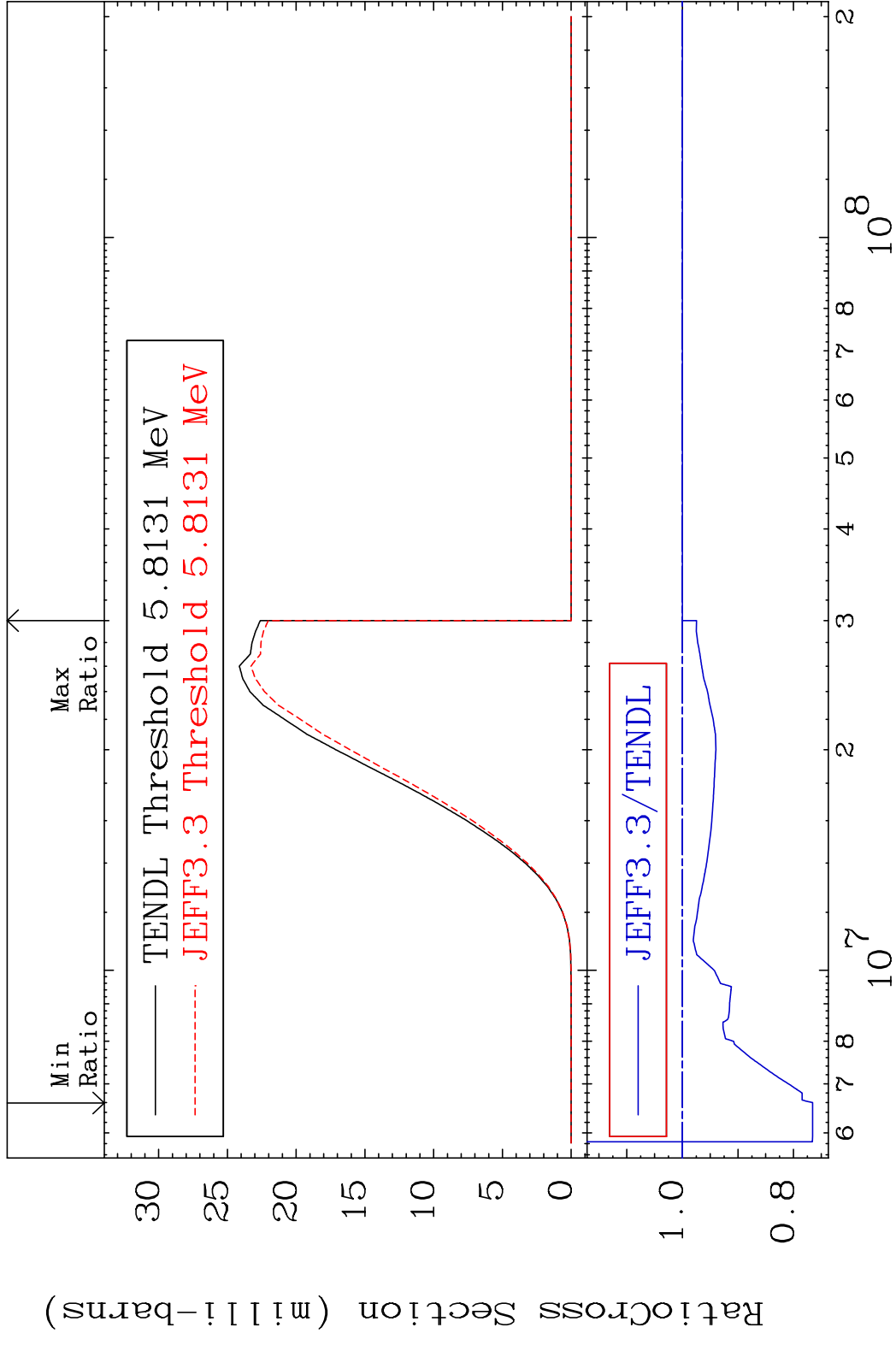






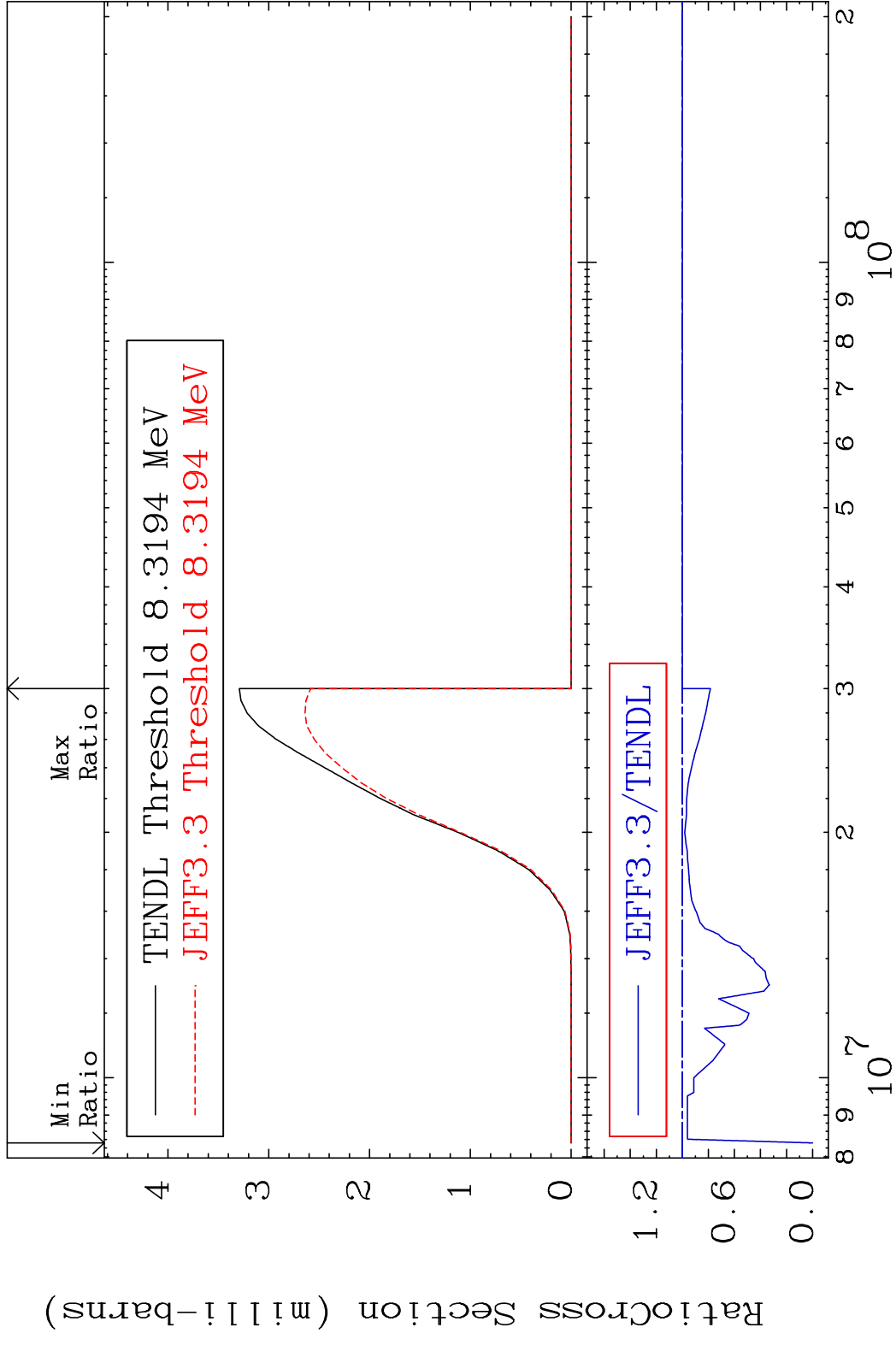


MAT 3822 (n, d):37-Rb-82m1 38-Sr-83
 Radionuclide Production Cross Section 0.000 %



90 38-Sr-83

MAT 3822 (n, t):37-Rb-81g 38-Sr-83
 Radionuclide Production Cross Section 0.000 %



MAT 3822 (n, t):37-Rb-81m1 38-Sr-83
 Radionuclide Production Cross Section 10.42 %

