

Program Complot  
(Version 2021-1)

by

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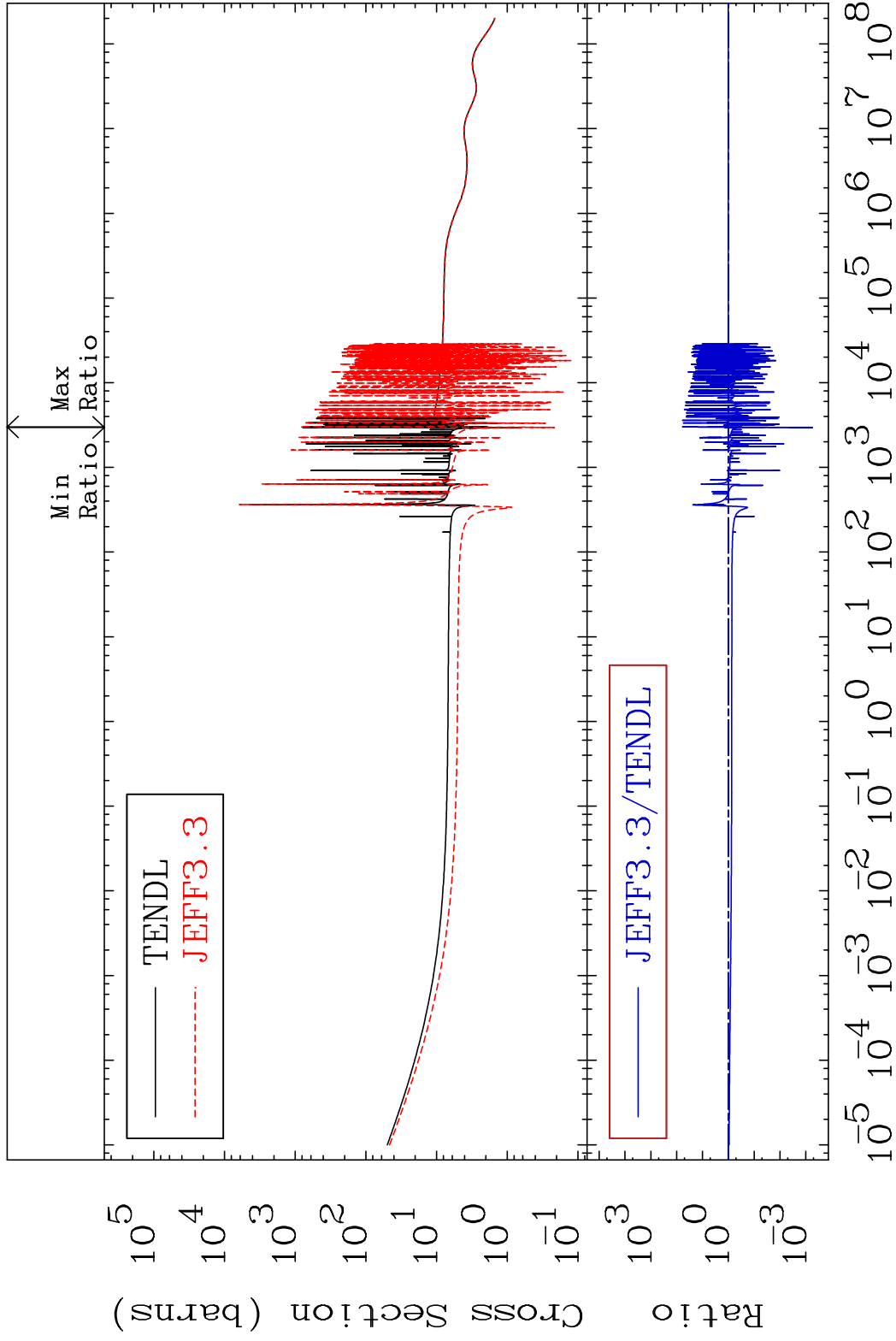
Press Mouse Button to Start

MAT 3825

Total

38-Sr-84

Cross Section -99.95 To 5907. %



1

Incident Energy (eV)

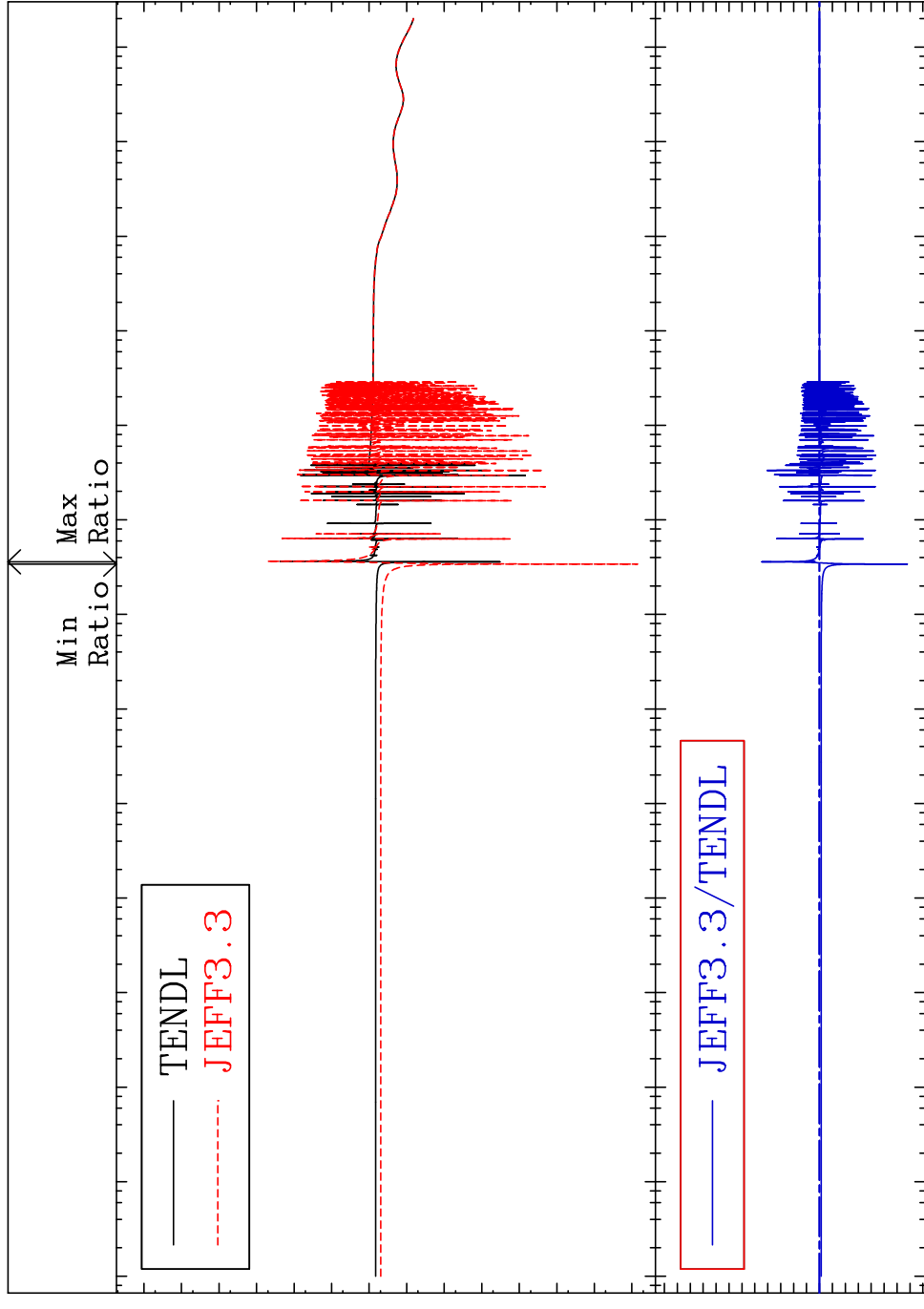
38-Sr-84

MAT 3825

38-Sr-84

Elastic

Cross Section -100.0 To 9999. %



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

$10^5$   
 $10^0$   
 $10^{-5}$   
Ratio

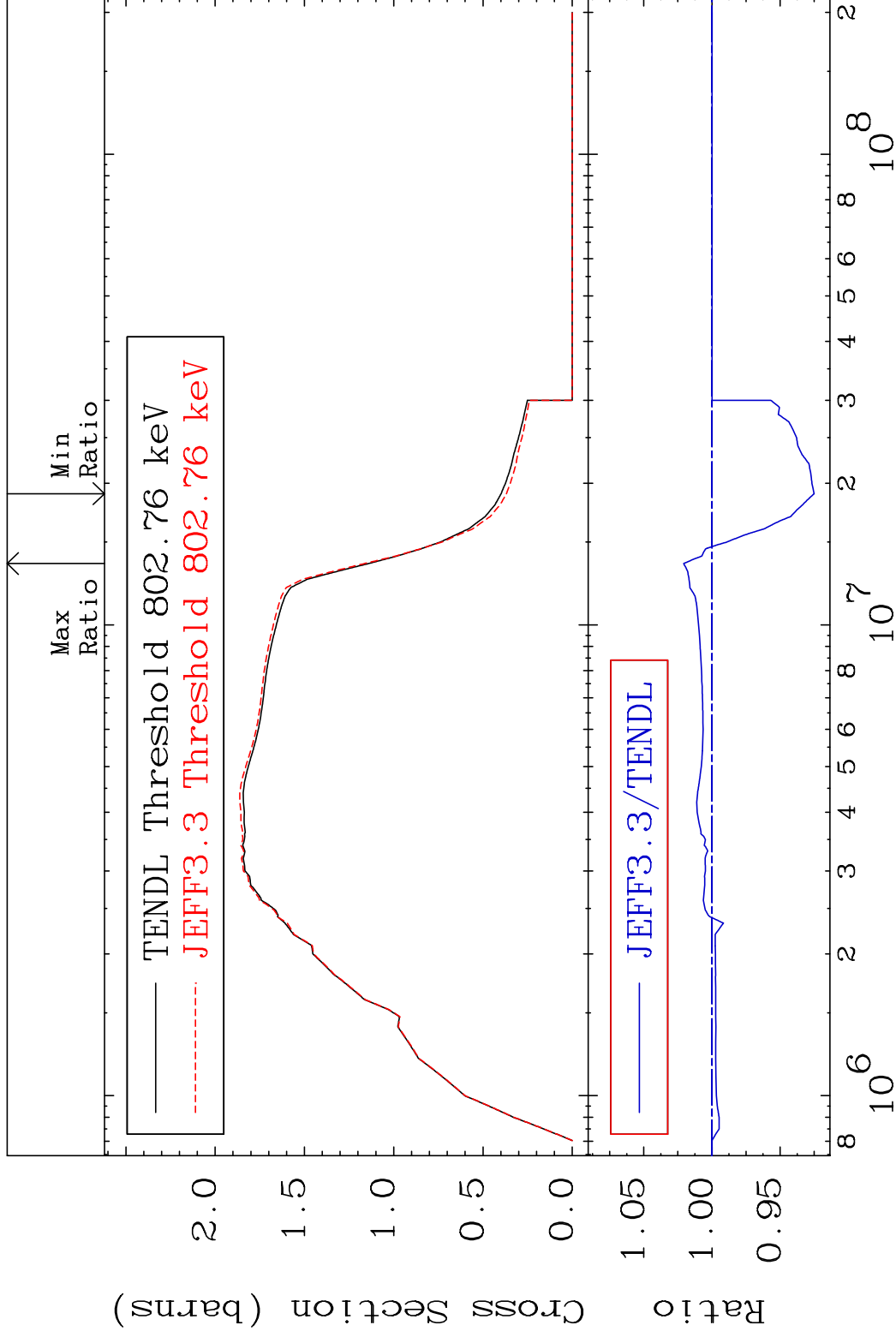
$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$   
Incident Energy (eV)

MAT 3825

Inelastic

38-Sr-84

Cross Section -7.490 To 2.074 %

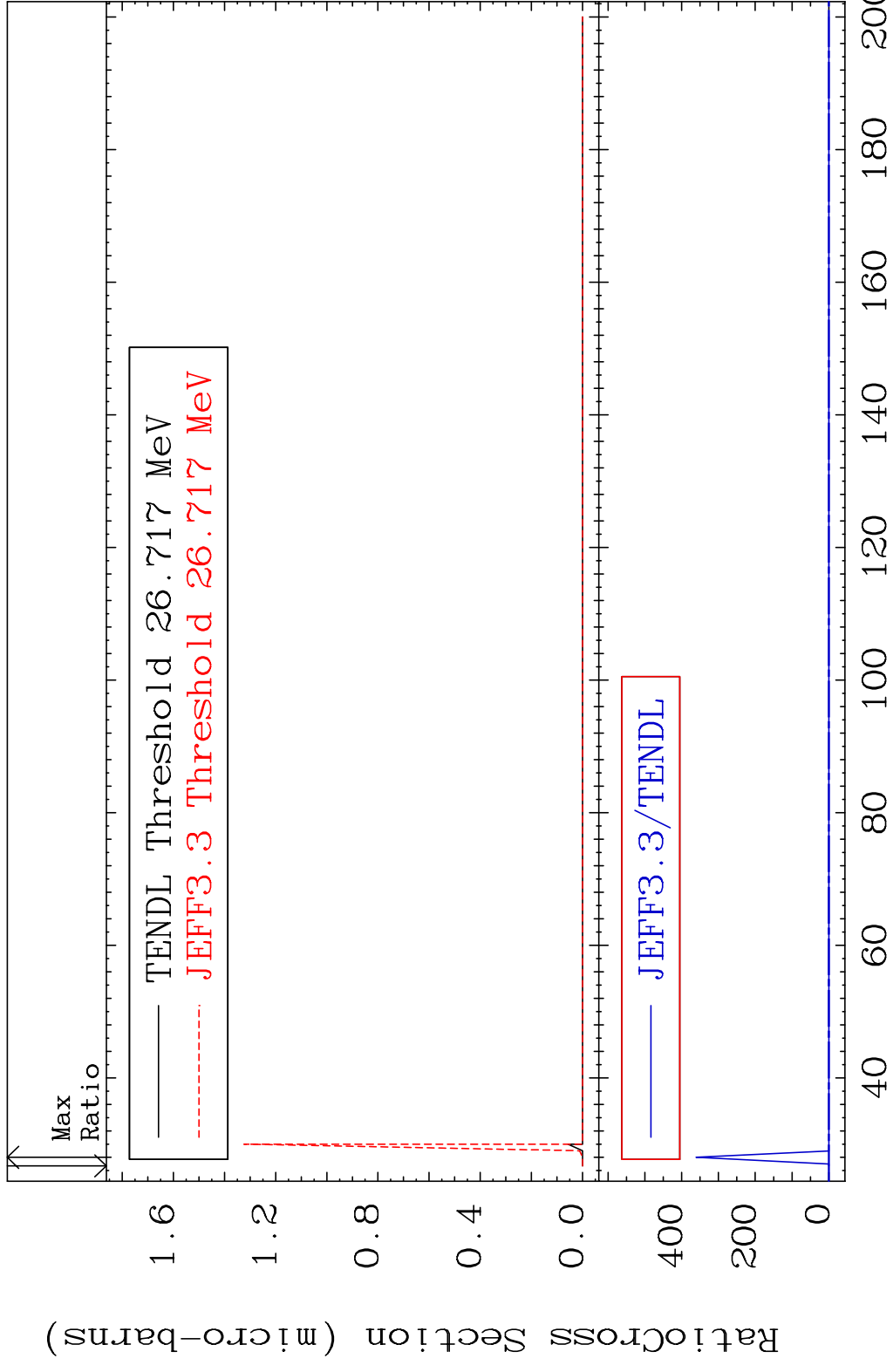


3

Incident Energy (eV)

38-Sr-84

MAT 3825 (n,2n) d 38-Sr-84  
 Cross Section -100.0 To 9999. %

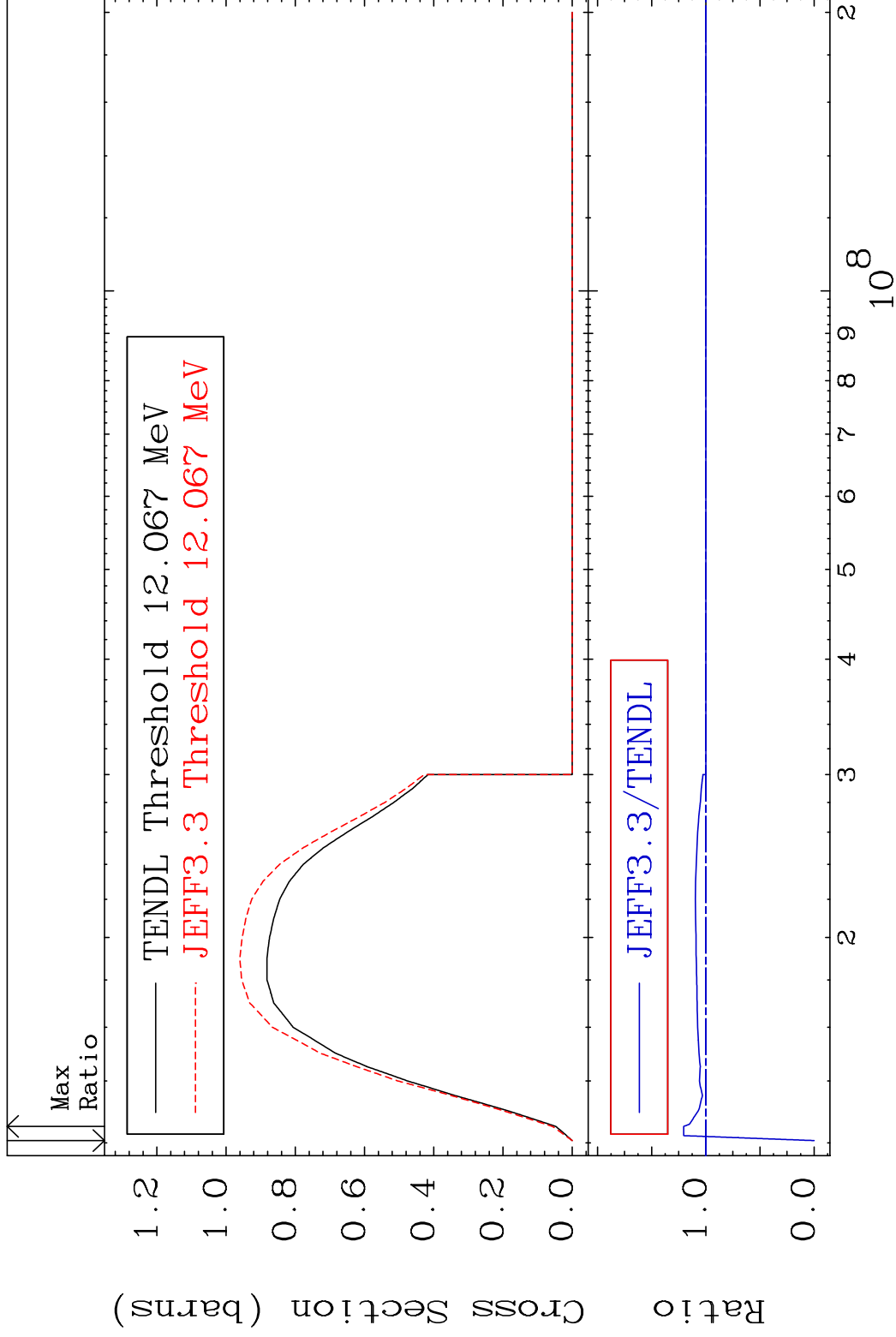


MAT 3825

(n,2n)

38-Sr-84

Cross Section -100.0 To 20.42 %



5

Incident Energy (eV)

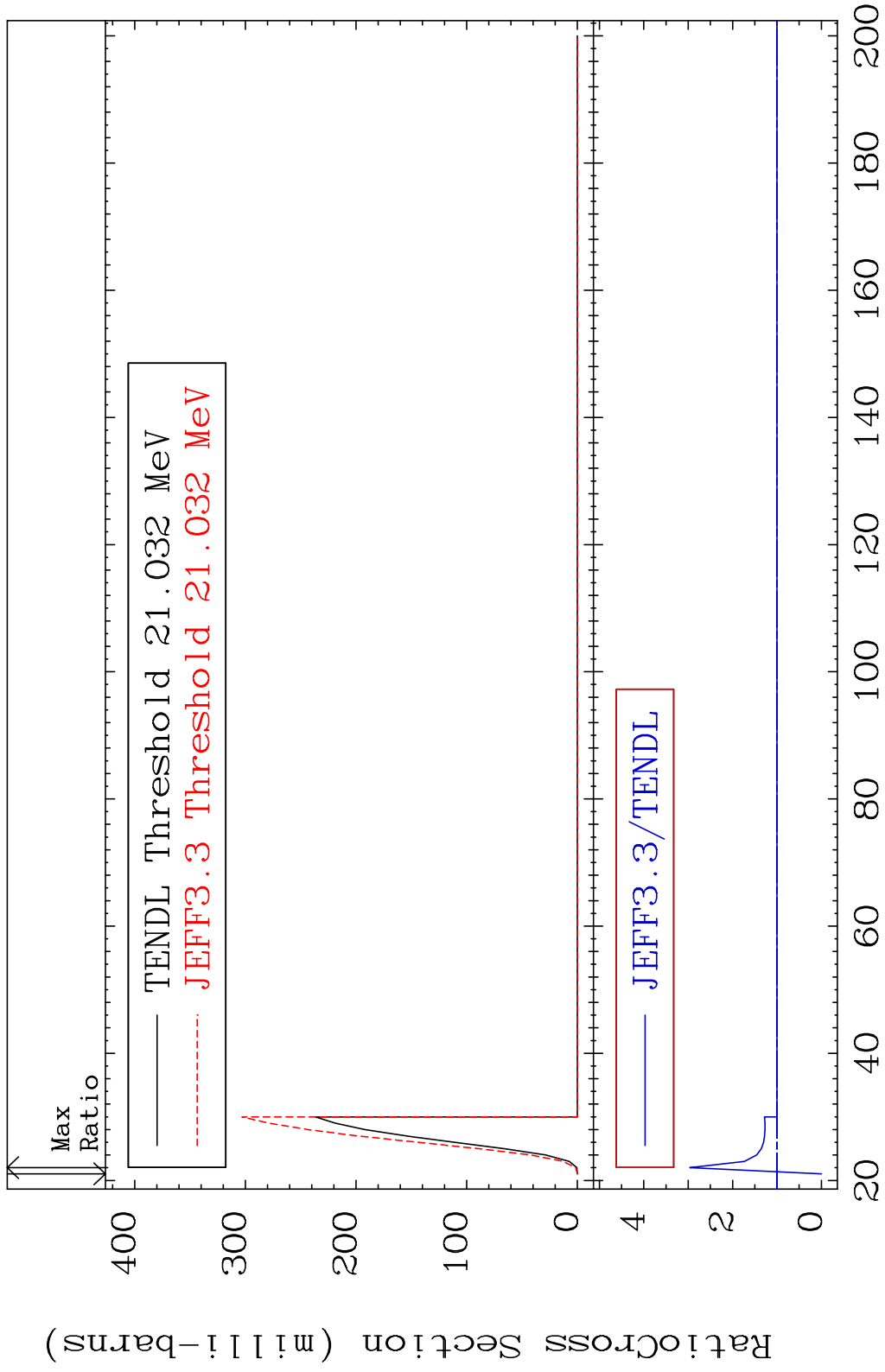
38-Sr-84

MAT 3825

(n,3n)

38-Sr-84

Cross Section -100.0 To 196.4 %

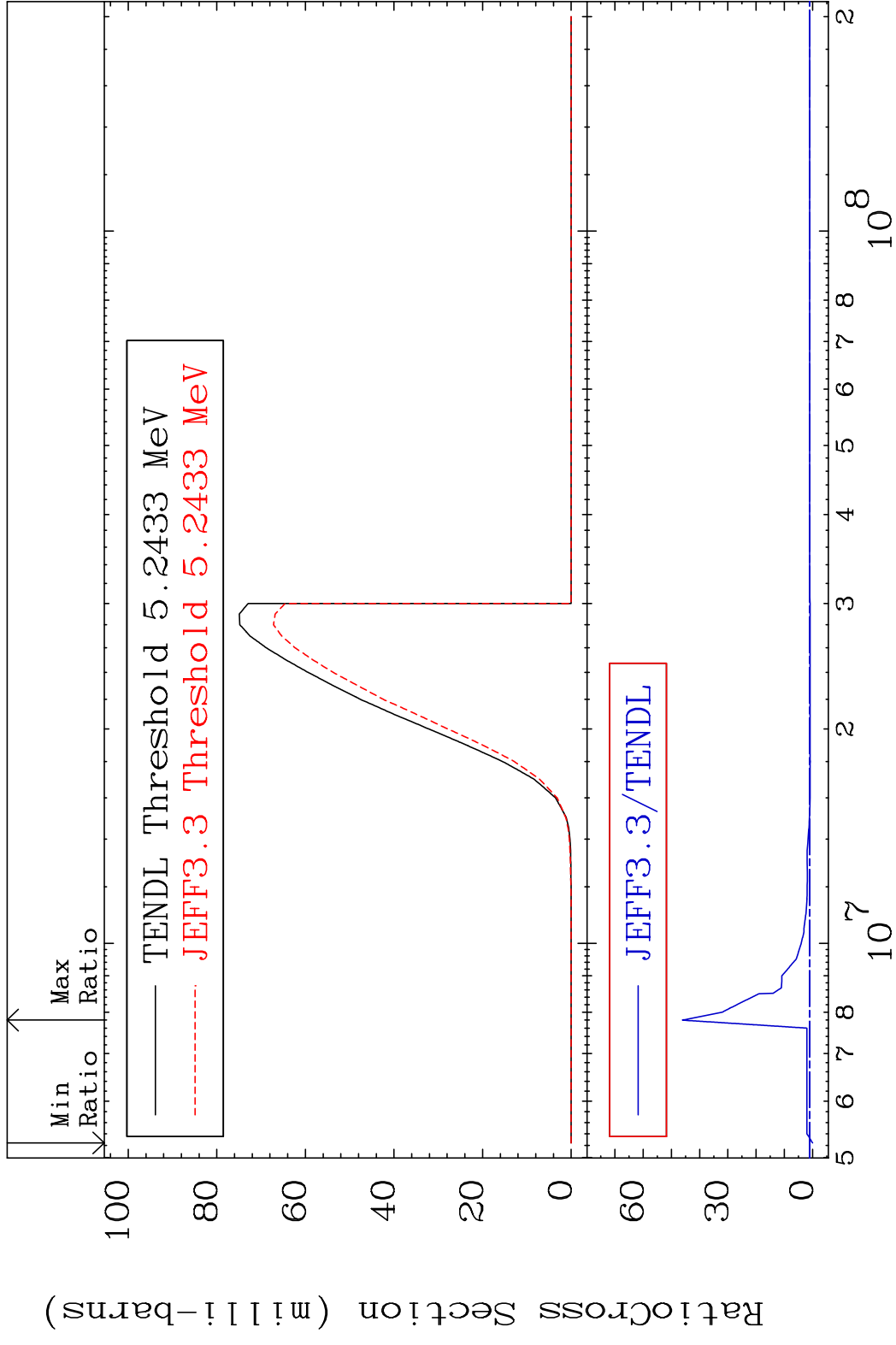


6

Incident Energy (MeV)

38-Sr-84

MAT 3825 (n, n')  $\alpha$  38-Sr-84  
 Cross Section -100.0 To 4513. %



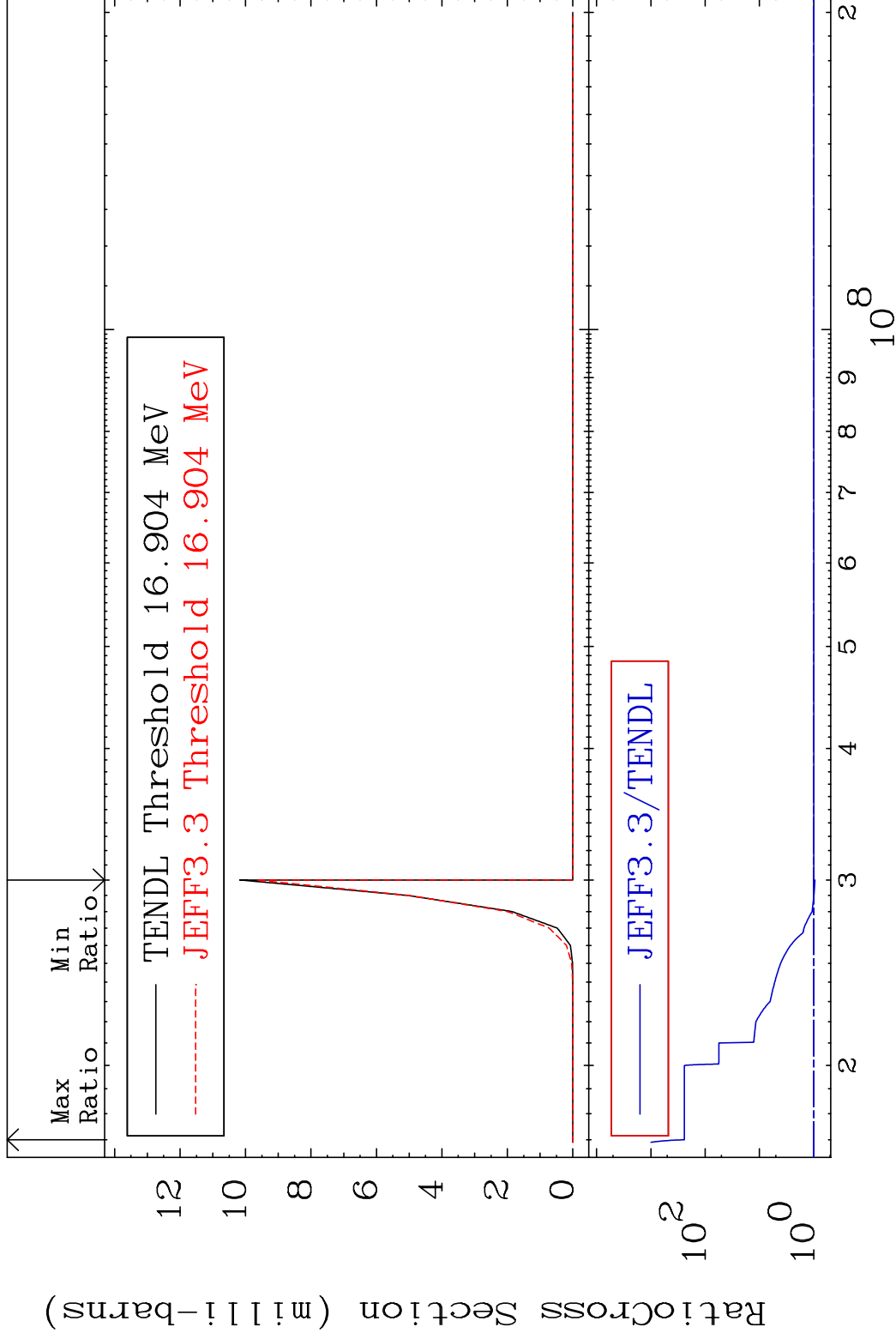


MAT 3825

(n,2n)  $\alpha$

38-Sr-84

Cross Section -4.823 To 9999. %



8

Incident Energy (eV)

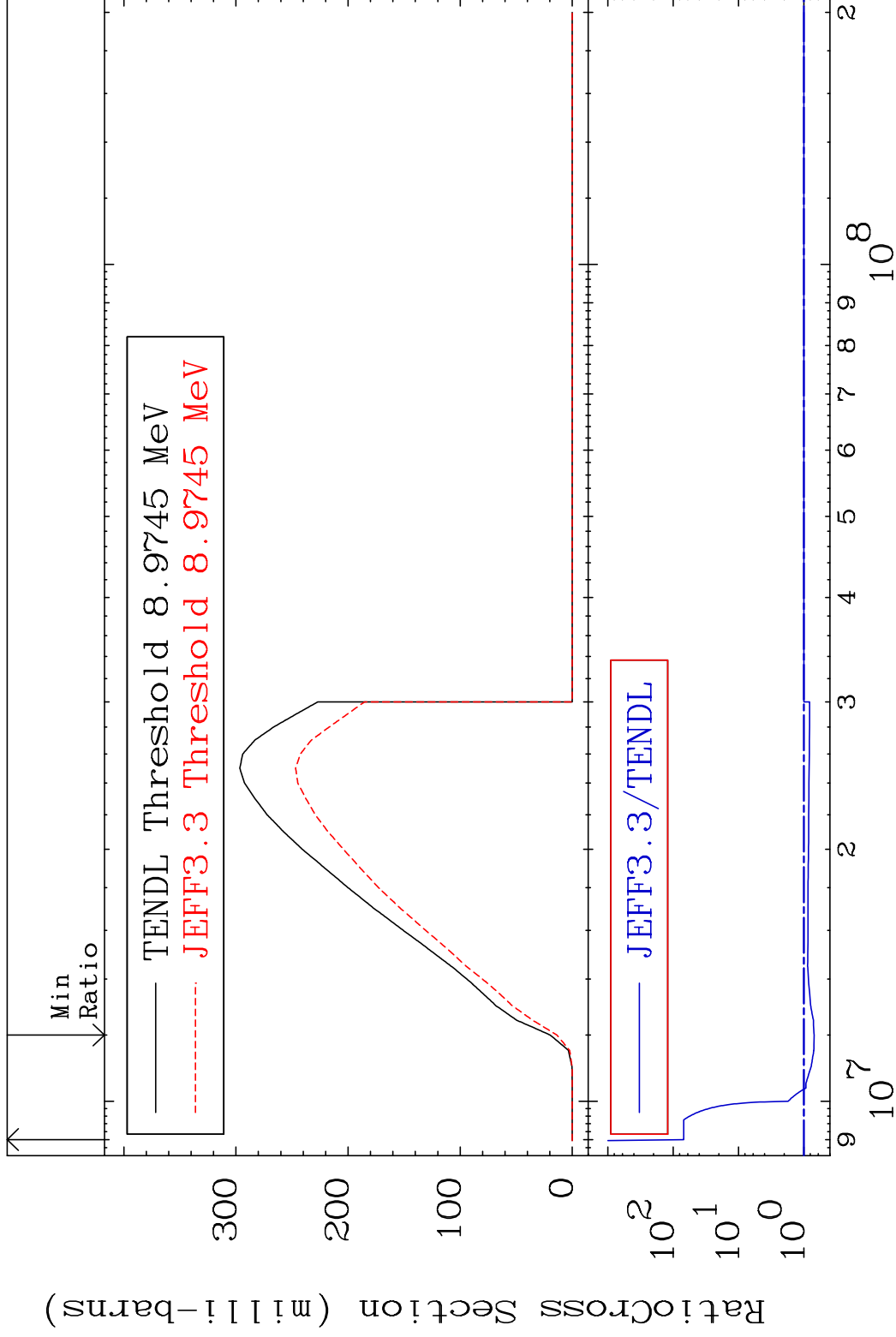
38-Sr-84

MAT 3825

(n, n') p

38-Sr-84

Cross Section -30.31 To 6826. %

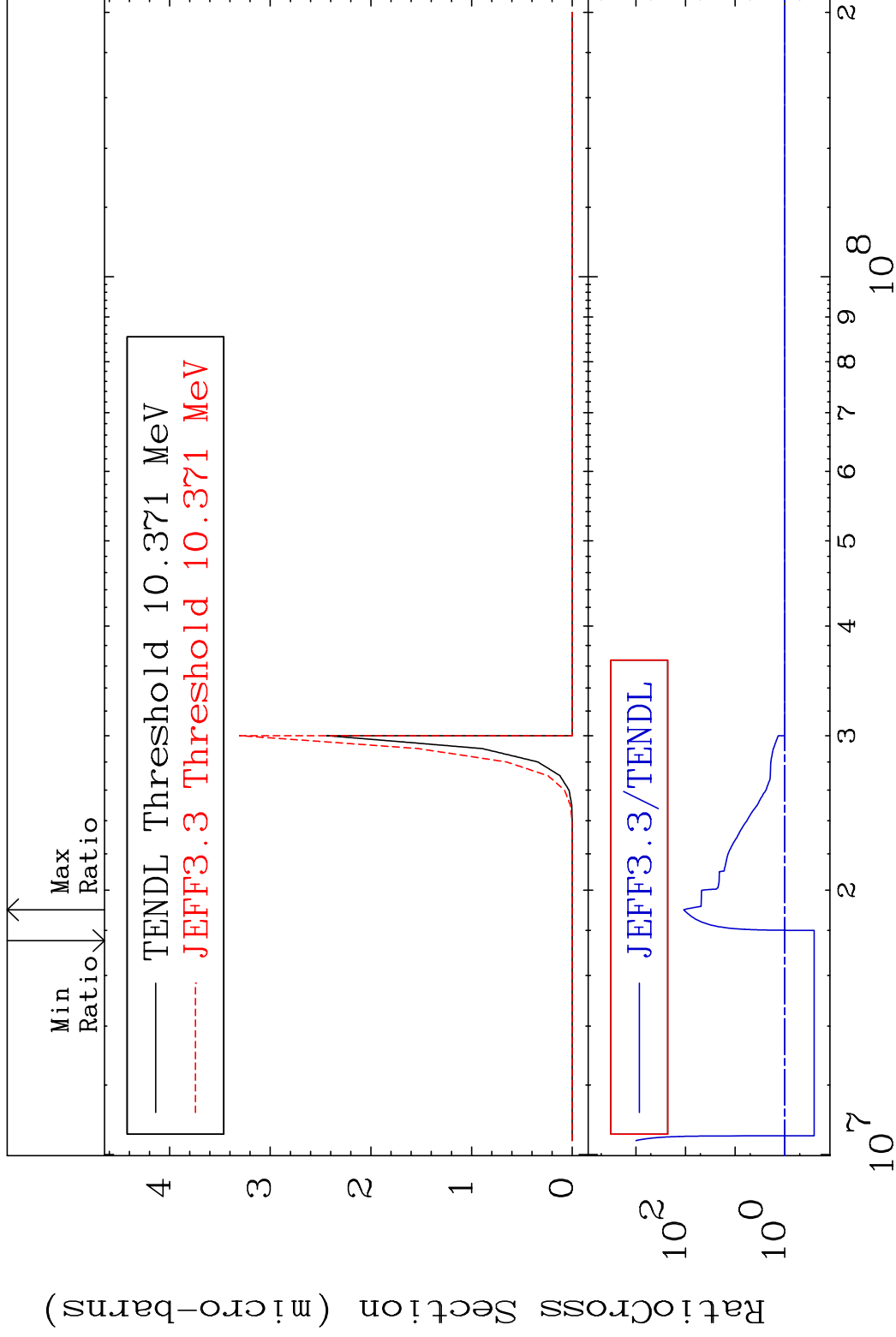


MAT 3825

(n, n') 2α

38-Sr-84

Cross Section -74.37 To 9999. %

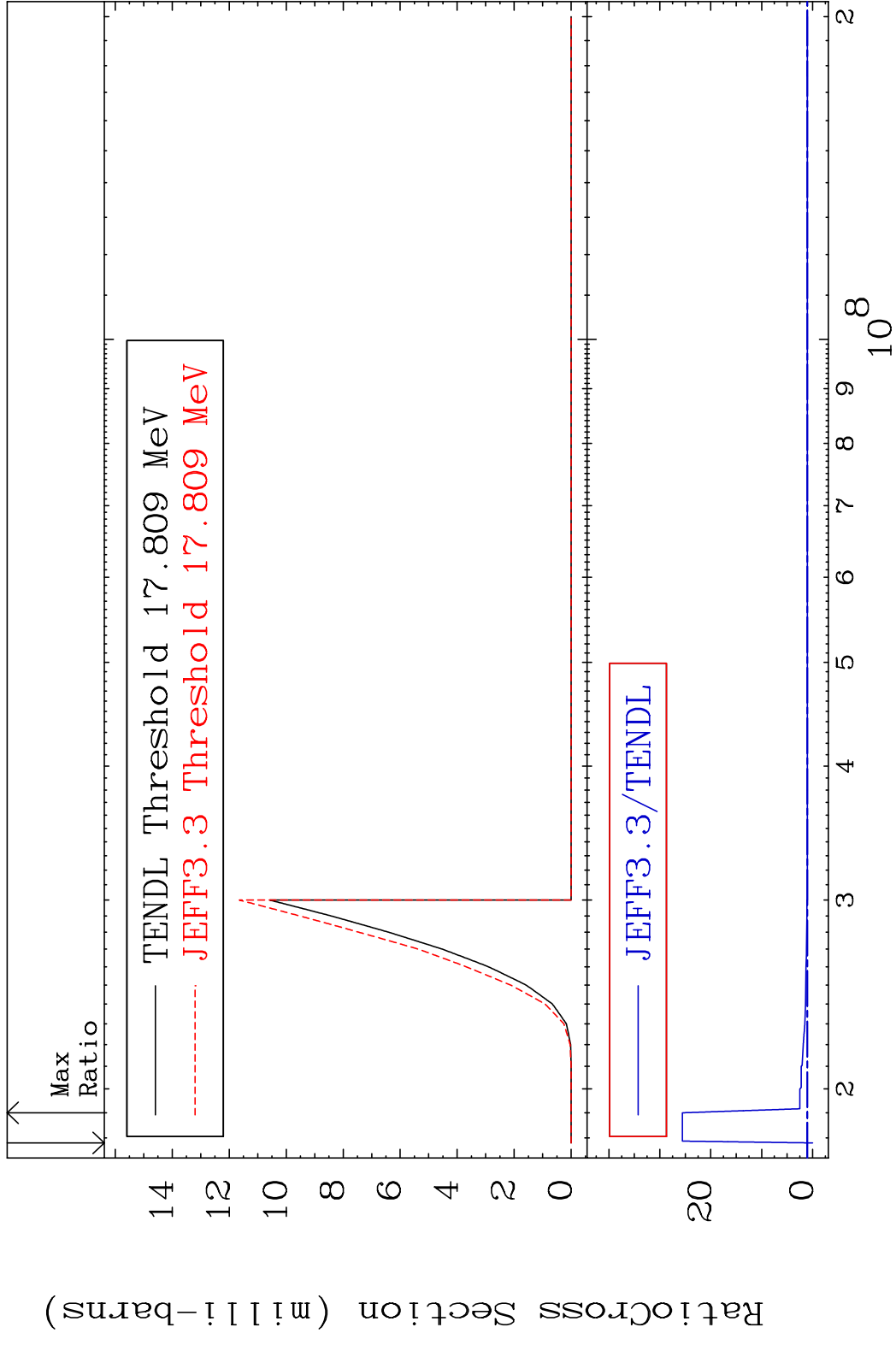


10

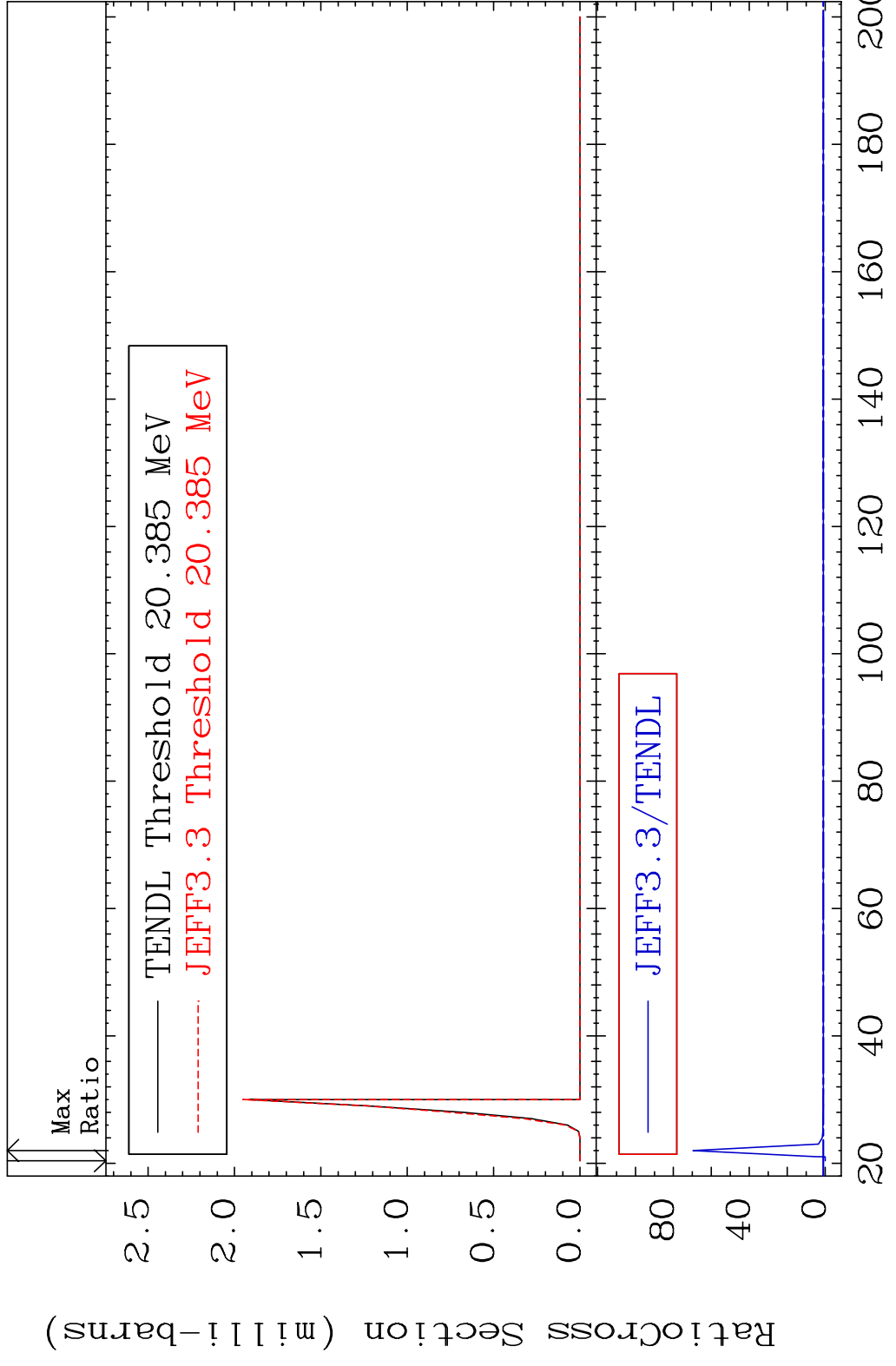
Incident Energy (eV)

38-Sr-84

MAT 3825 (n, n') d 38-Sr-84  
 Cross Section -100.0 To 2458. %



MAT 3825 (n, n') t 38-Sr-84  
 Cross Section -100.0 To 6870. %

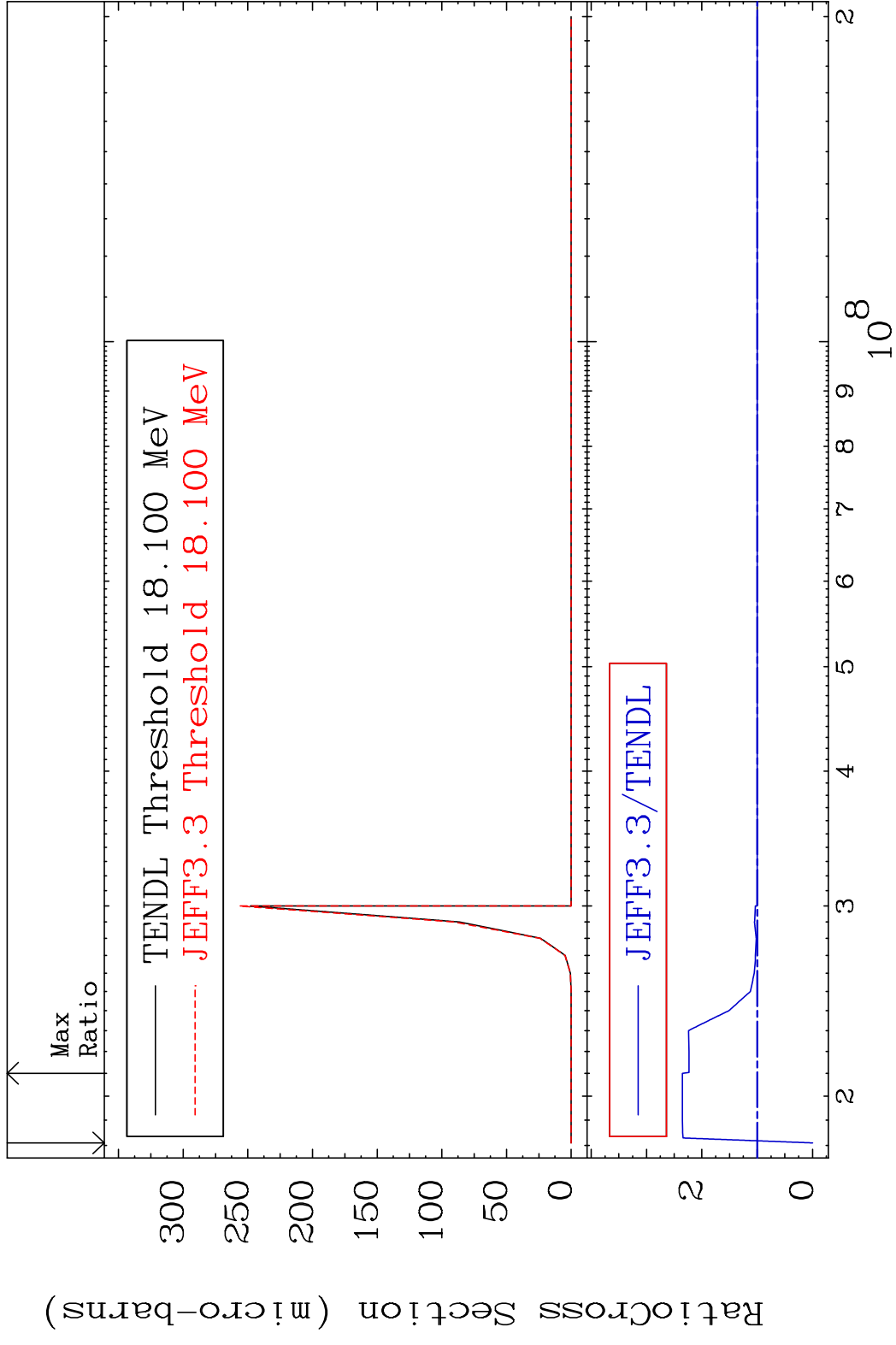


MAT 3825

(n,n') He-3

38-Sr-84

Cross Section -100.0 To 135.2 %

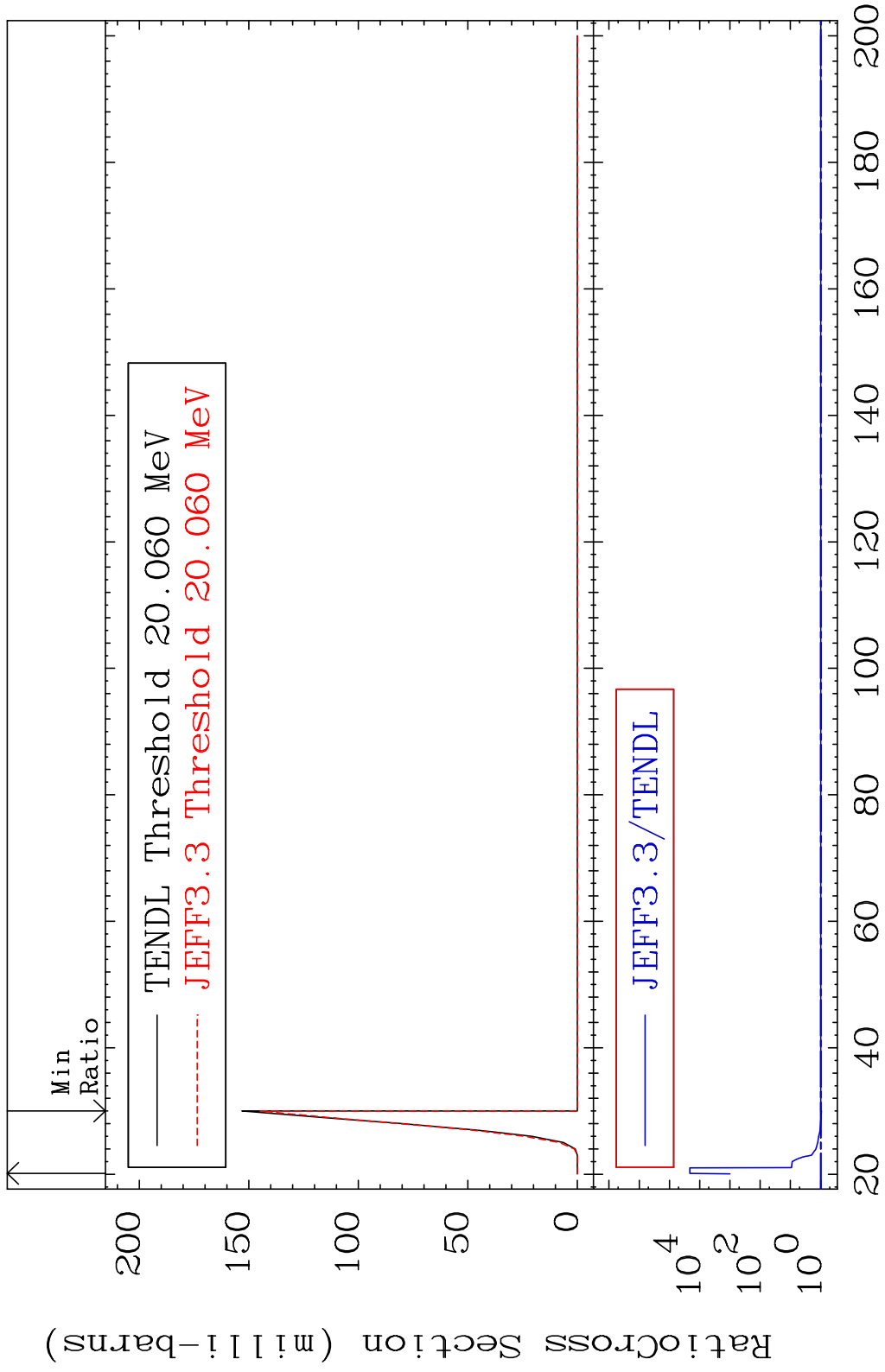


MAT 3825

(n,2n) p

38-Sr-84

Cross Section -5.466 To 9999. %

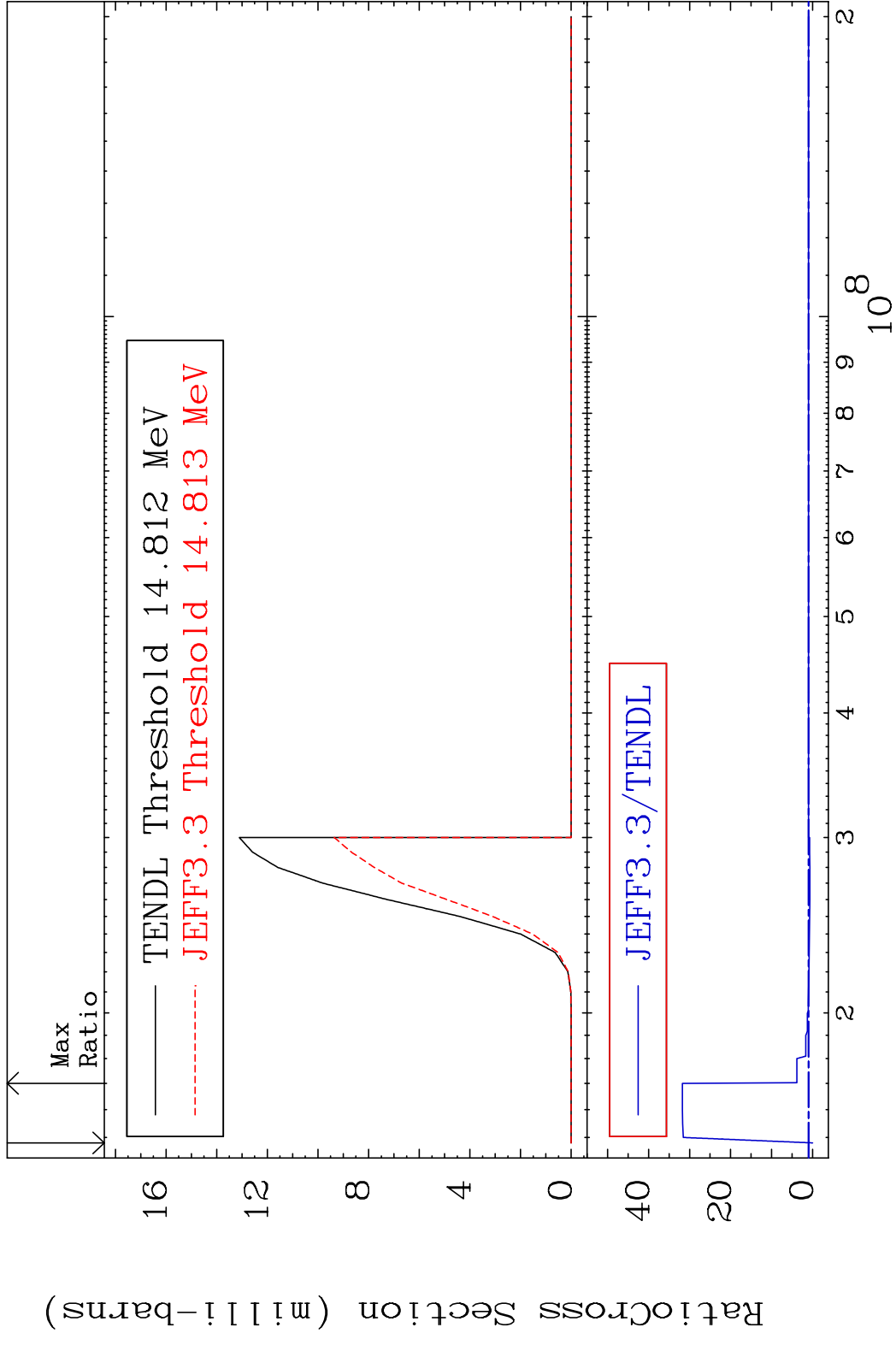


14

Incident Energy (MeV)

38-Sr-84

MAT 3825 (n,2n) p 38-Sr-84  
 Cross Section -100.0 To 3076. %



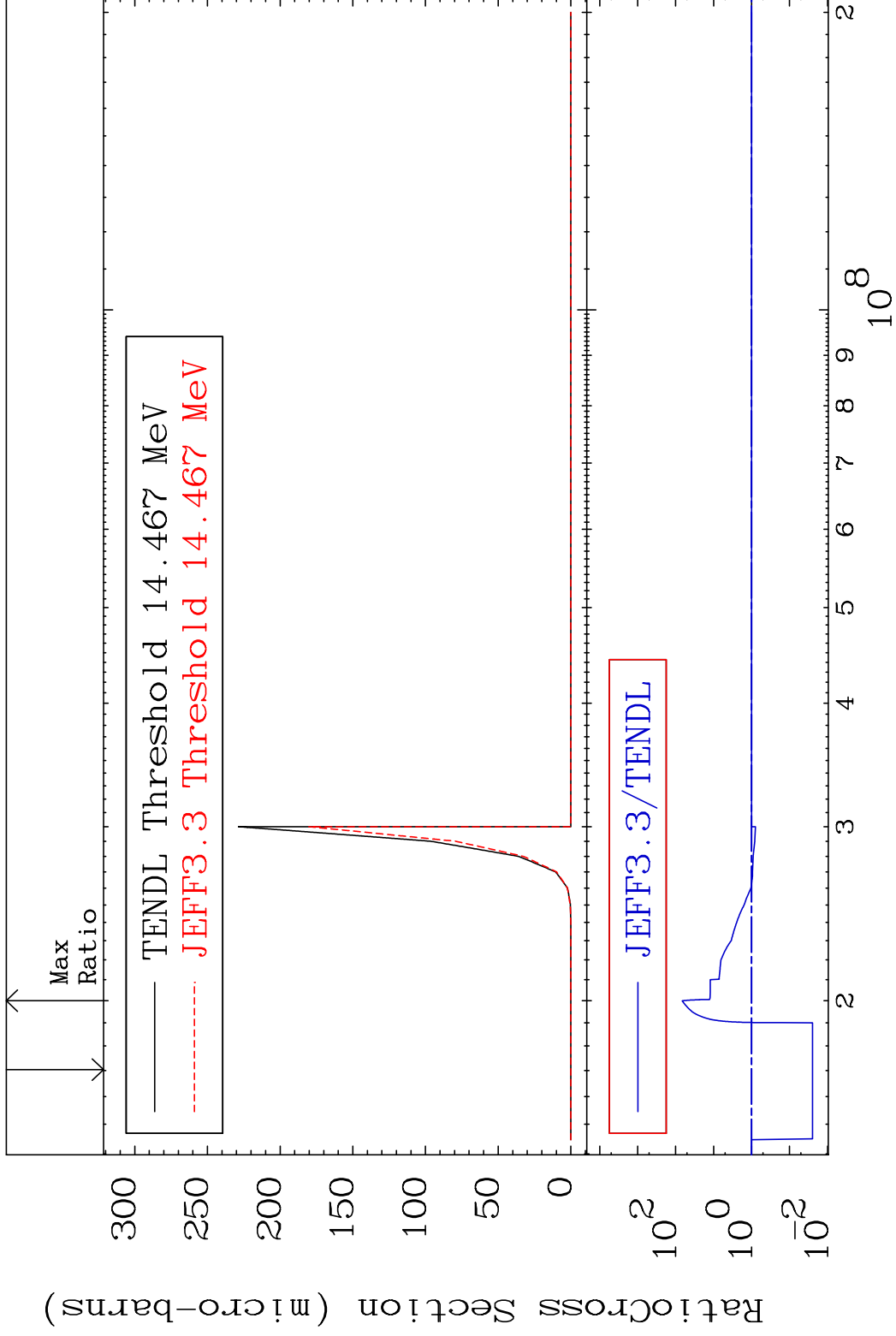


MAT 3825

(n, n') p  $\alpha$

38-Sr-84

Cross Section -97.52 To 6640. %

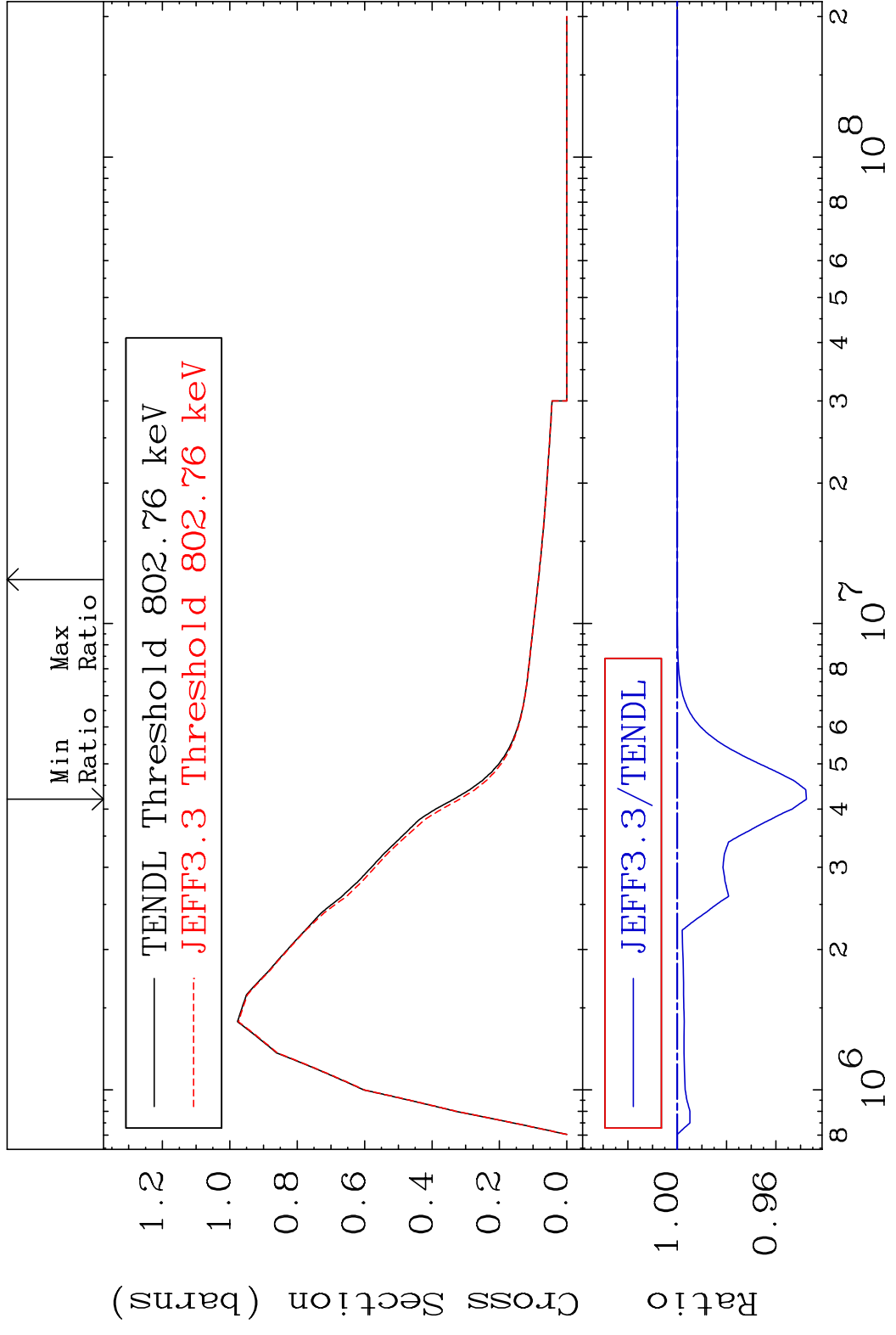


16

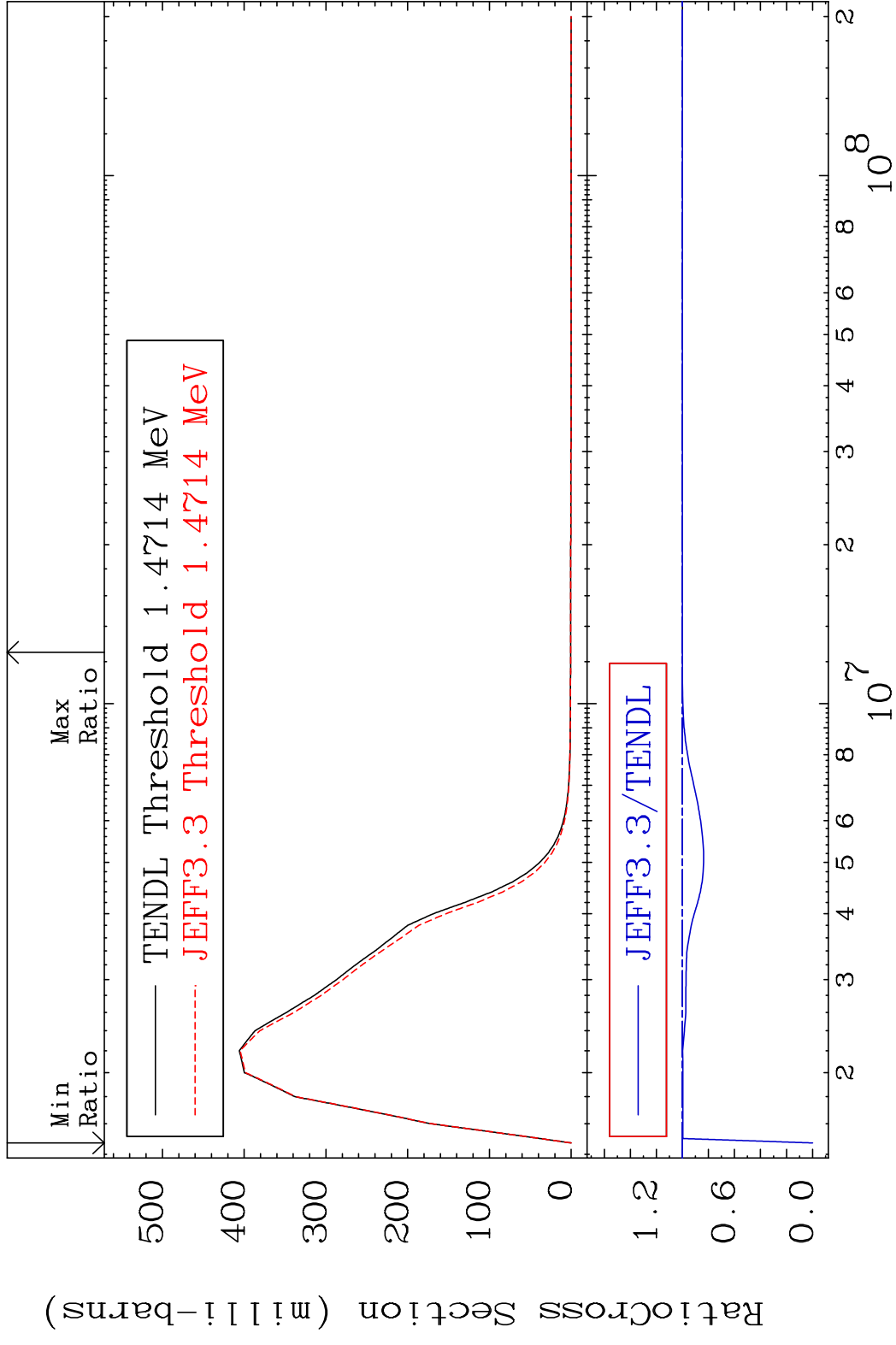
Incident Energy (eV)

38-Sr-84

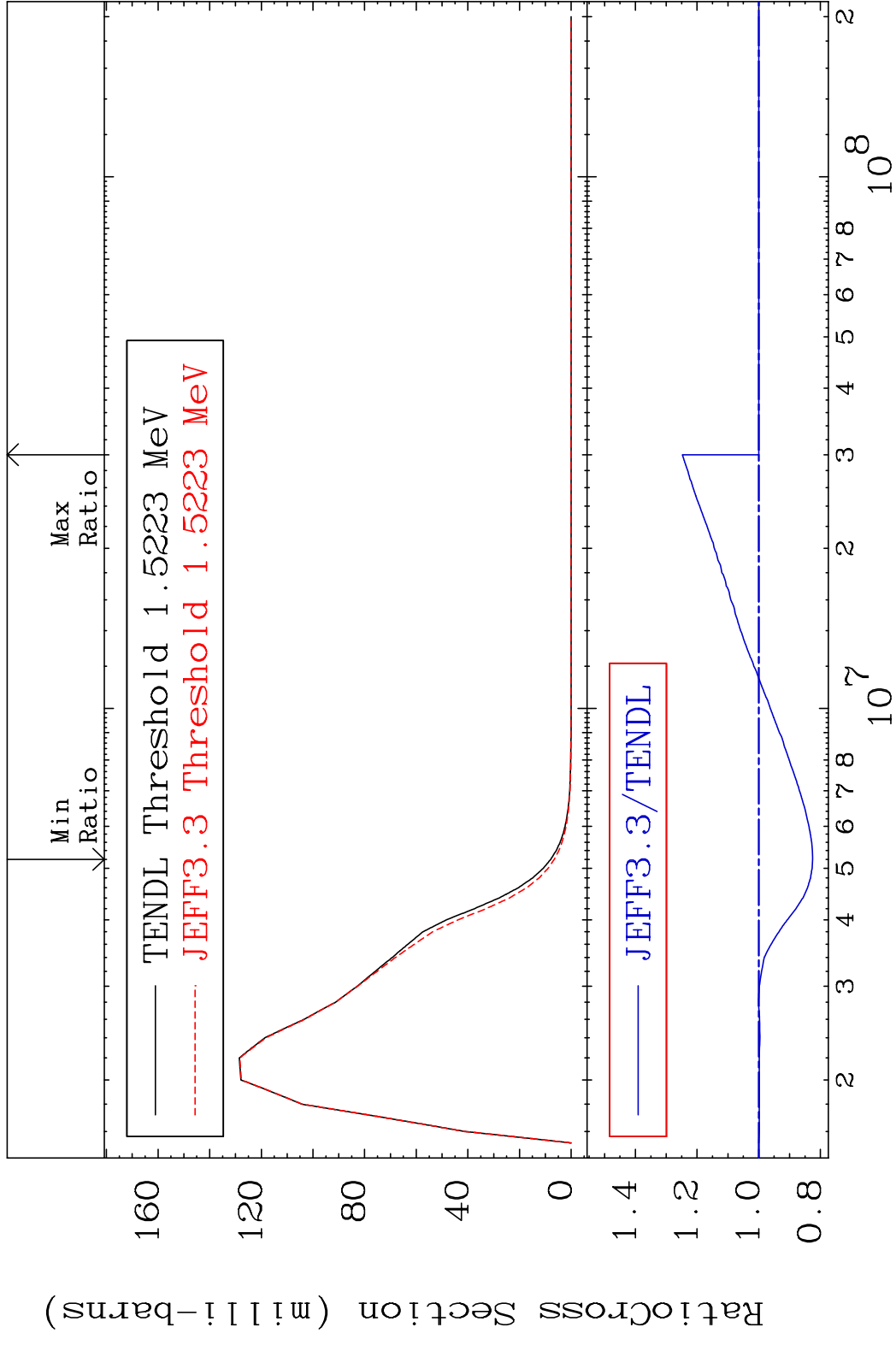
MAT 3825 MT= 51 (n, n') Level 38-Sr-84  
 Cross Section -5.241 To 0.000 %



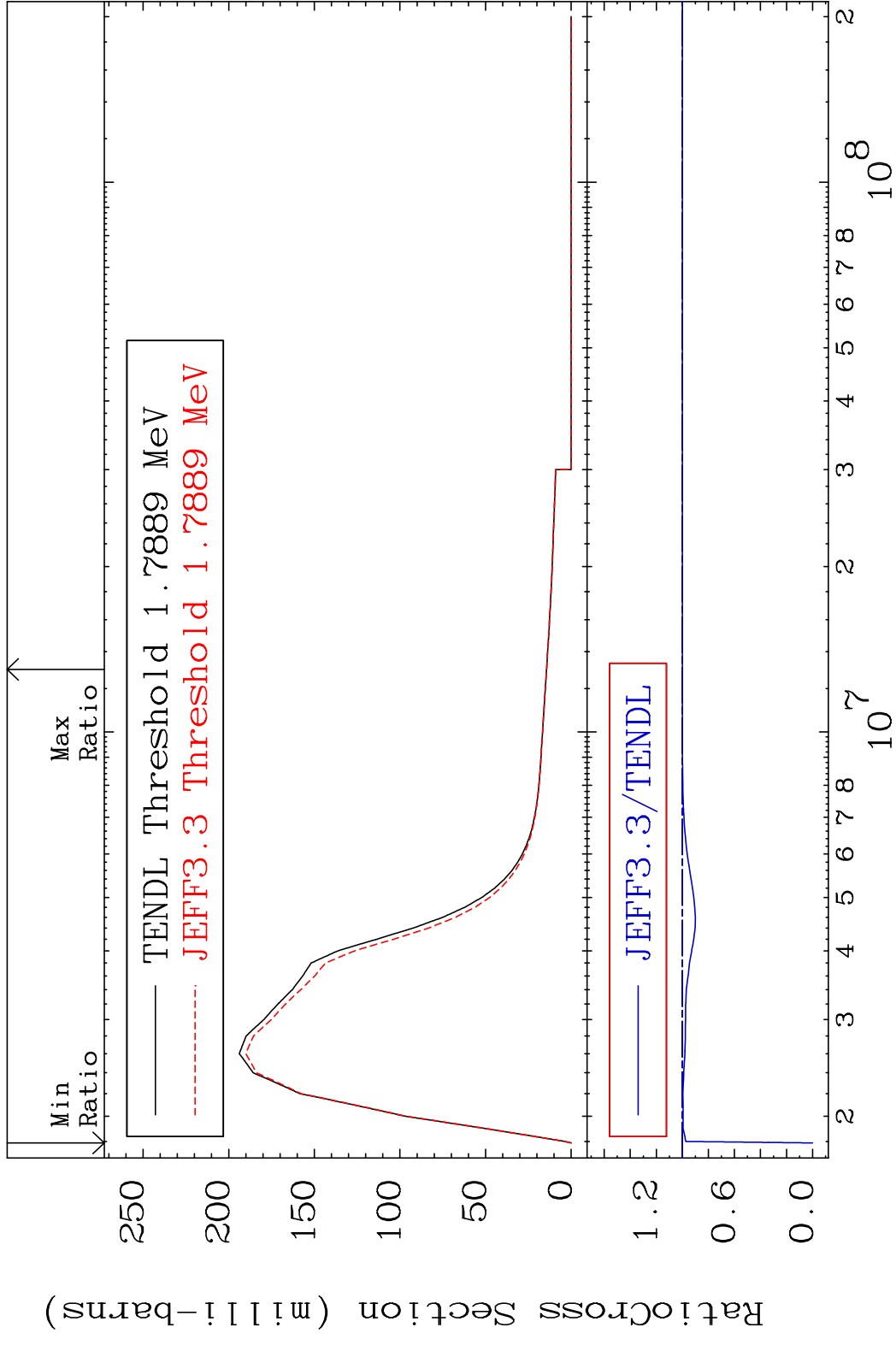
MAT 3825 MT= 52 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 0.028 %



MAT 3825 MT= 53 (n, n') Level 38-Sr-84  
 Cross Section -17.46 To 24.77 %

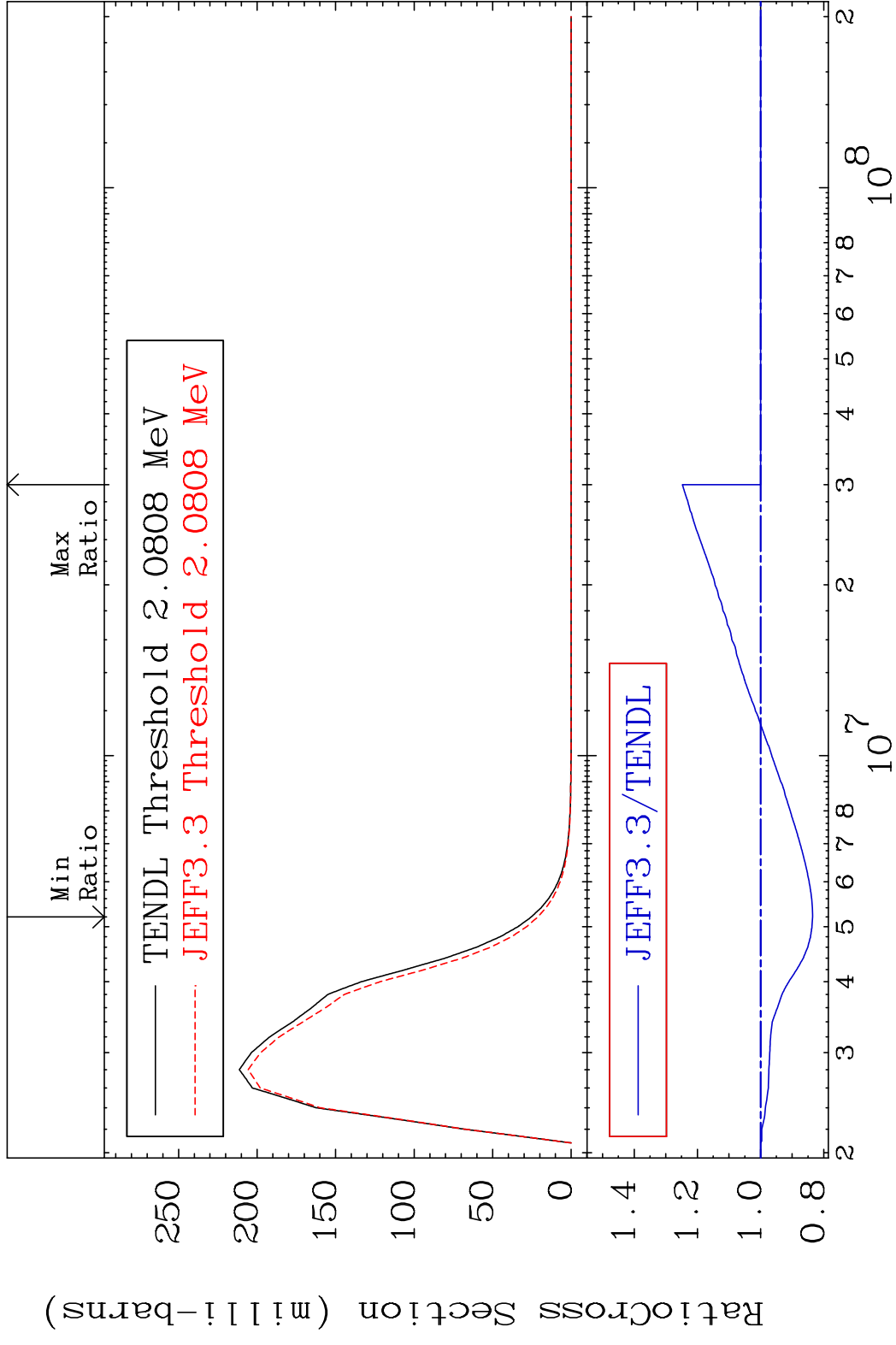


MAT 3825 MT= 54 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 0.002 %

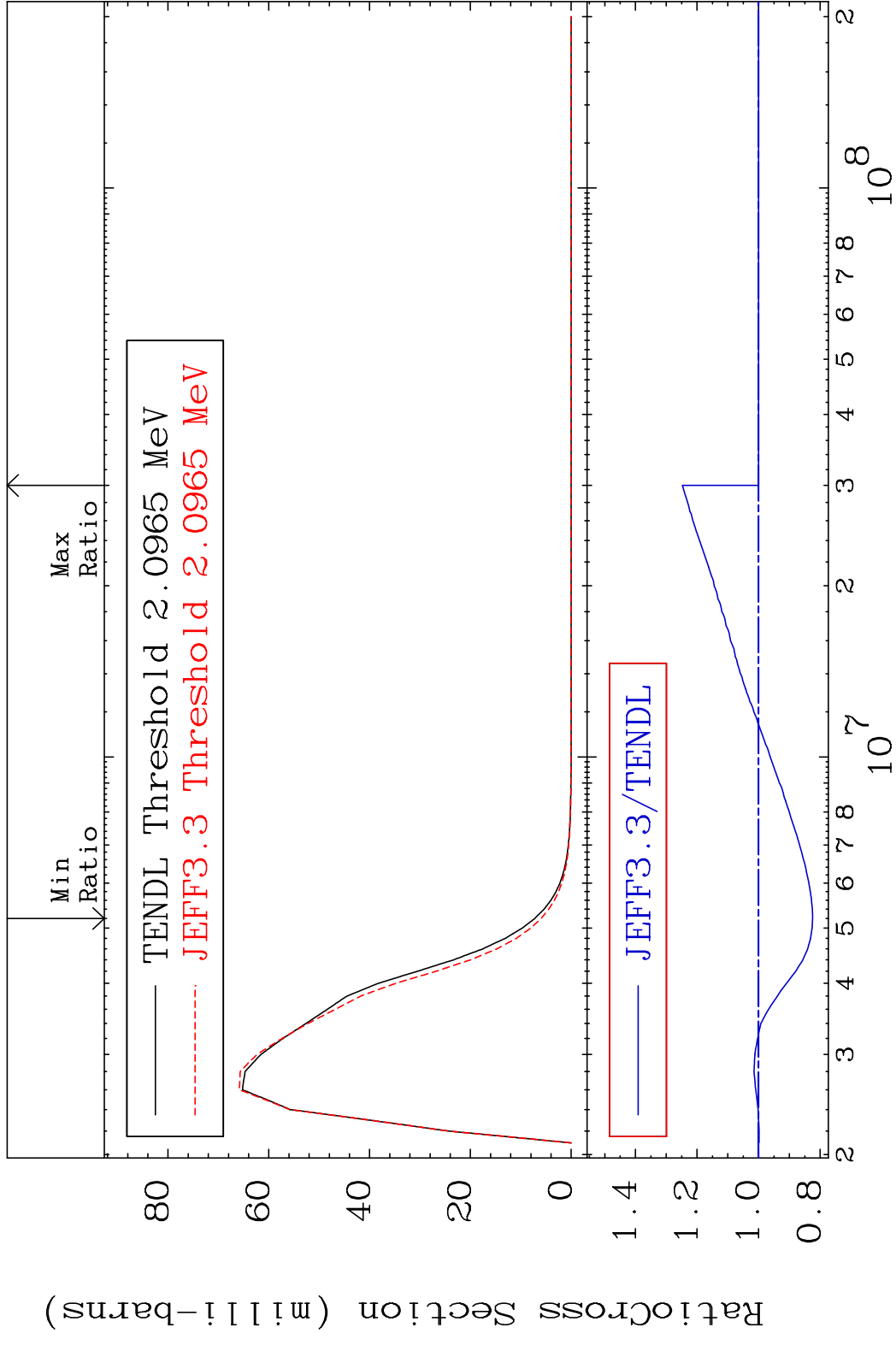


20 Incident Energy (eV) 38-Sr-84

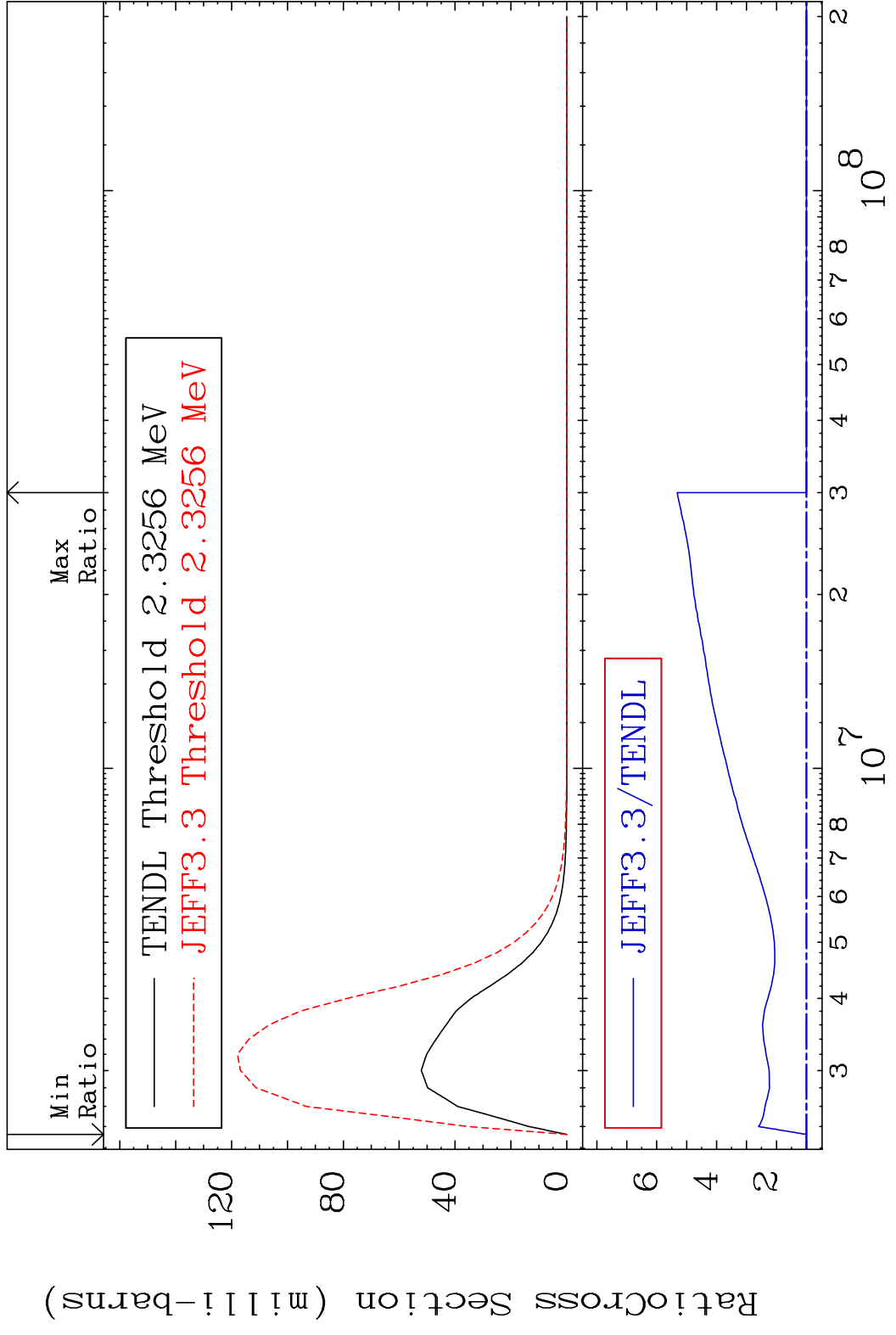
MAT 3825 MT= 55 (n, n') Level 38-Sr-84  
 Cross Section -16.45 To 24.76 %



MAT 3825 MT= 56 (n, n') Level 38-Sr-84  
 Cross Section -17.54 To 24.78 %

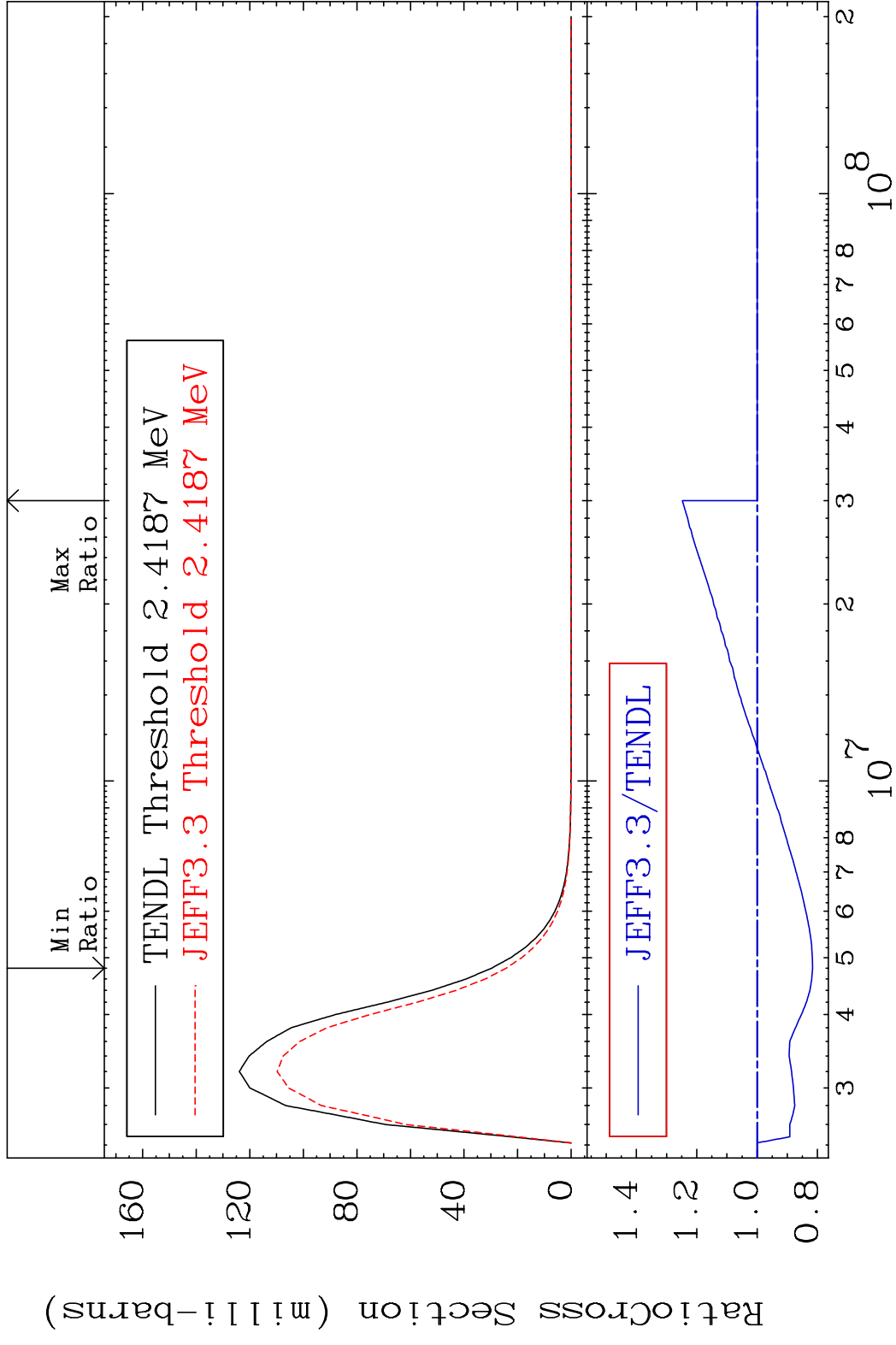


MAT 3825 MT= 57 (n, n') Level 38-Sr-84  
 Cross Section 0.000 To 431.7 %

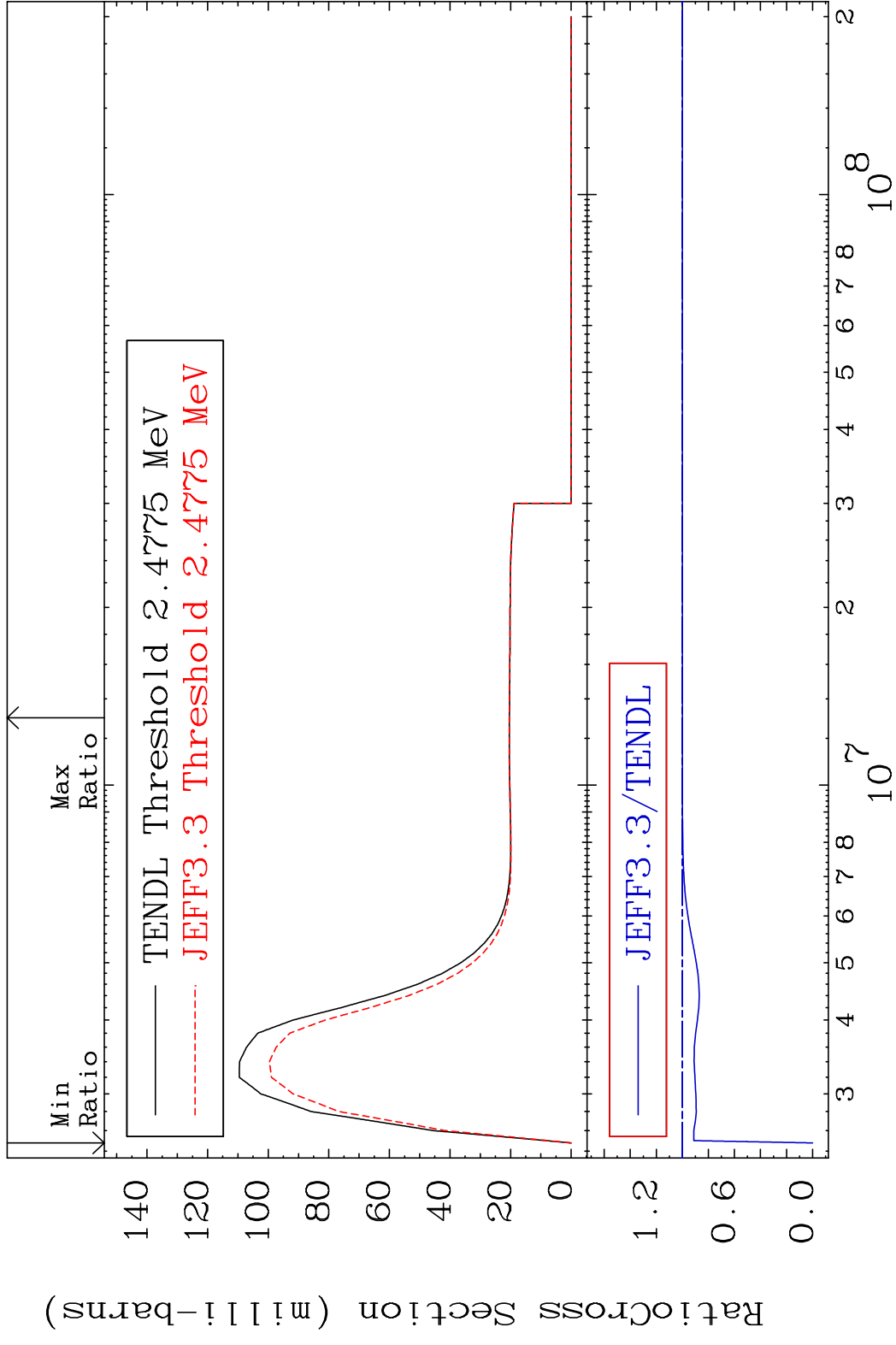




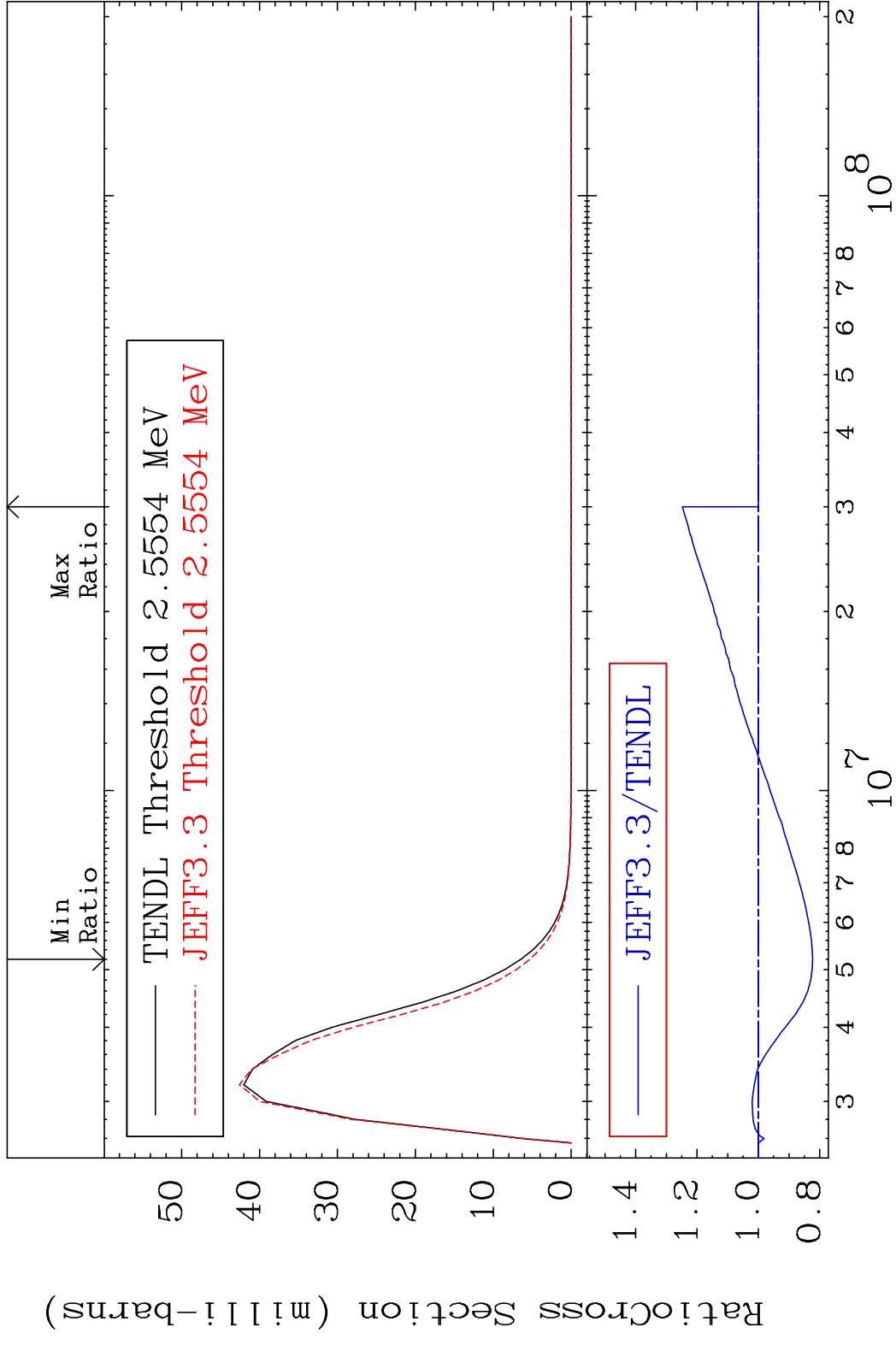
MAT 3825 MT= 58 (n, n') Level 38-Sr-84  
 Cross Section -18.37 To 24.78 %



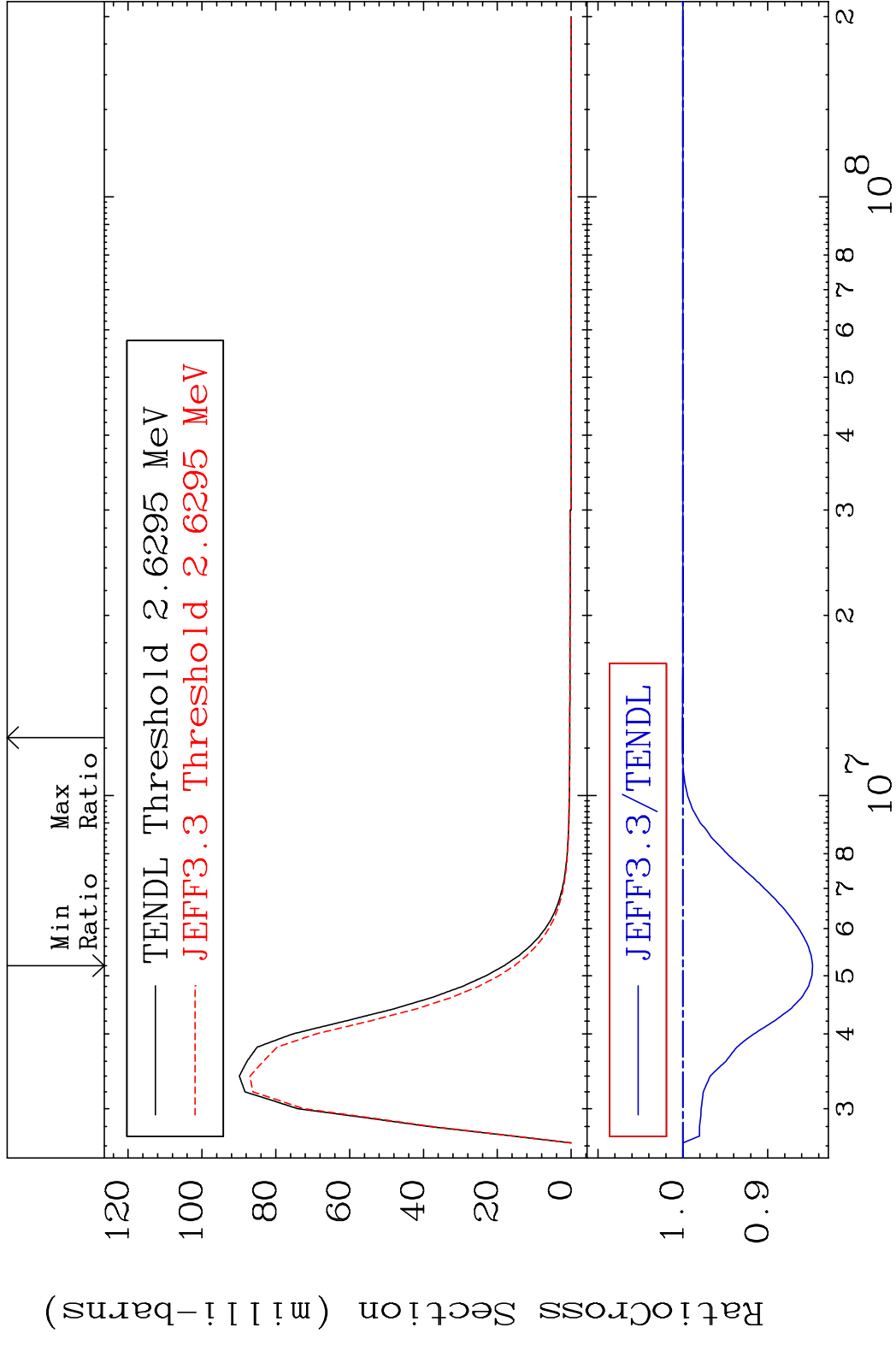
MAT 3825 MT= 59 (n,n') Level 38-Sr-84  
 Cross Section -100.0 To 0.001 %



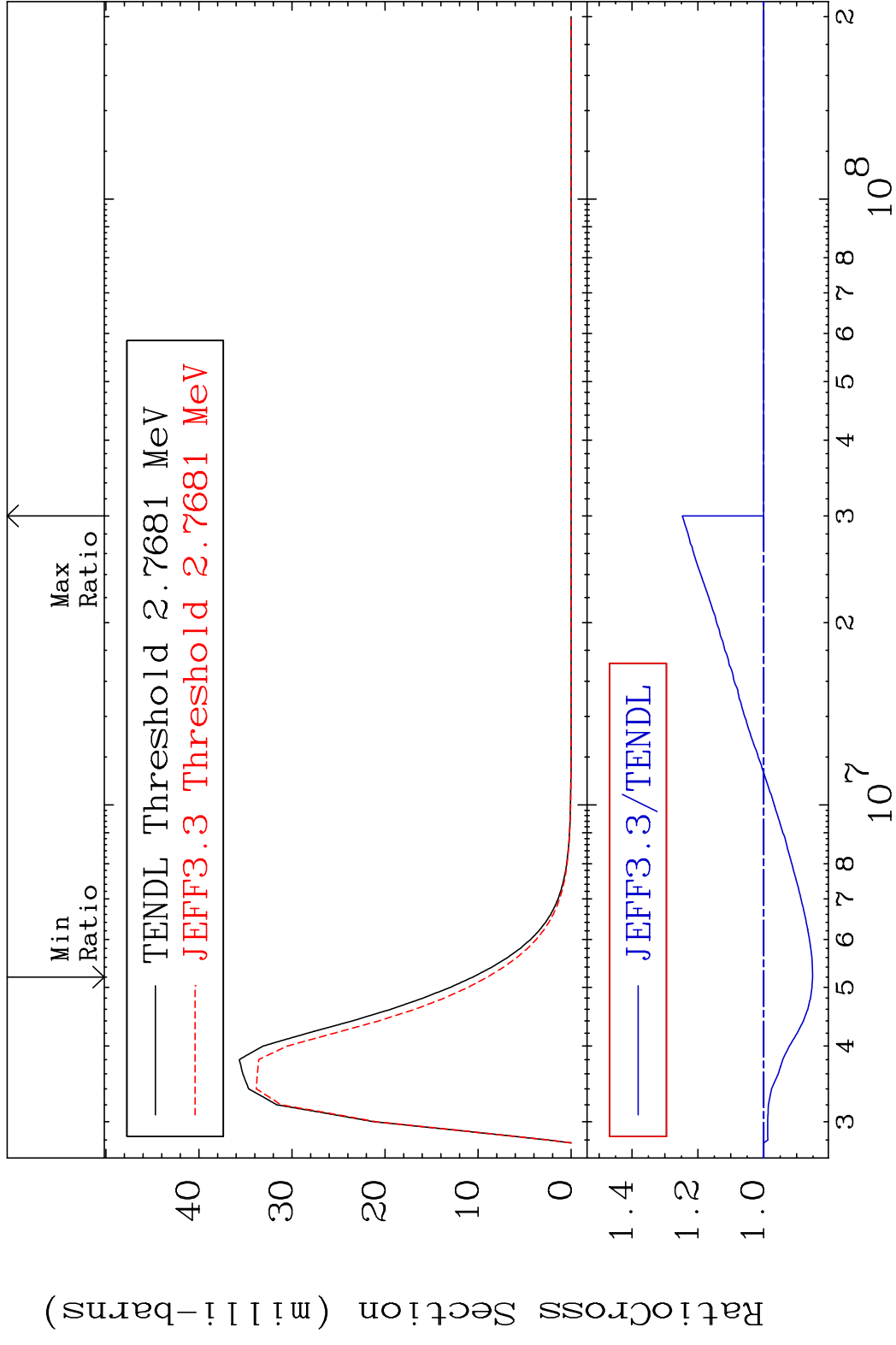
MAT 3825 MT= 60 (n, n') Level 38-Sr-84  
 Cross Section -17.66 To 24.78 %



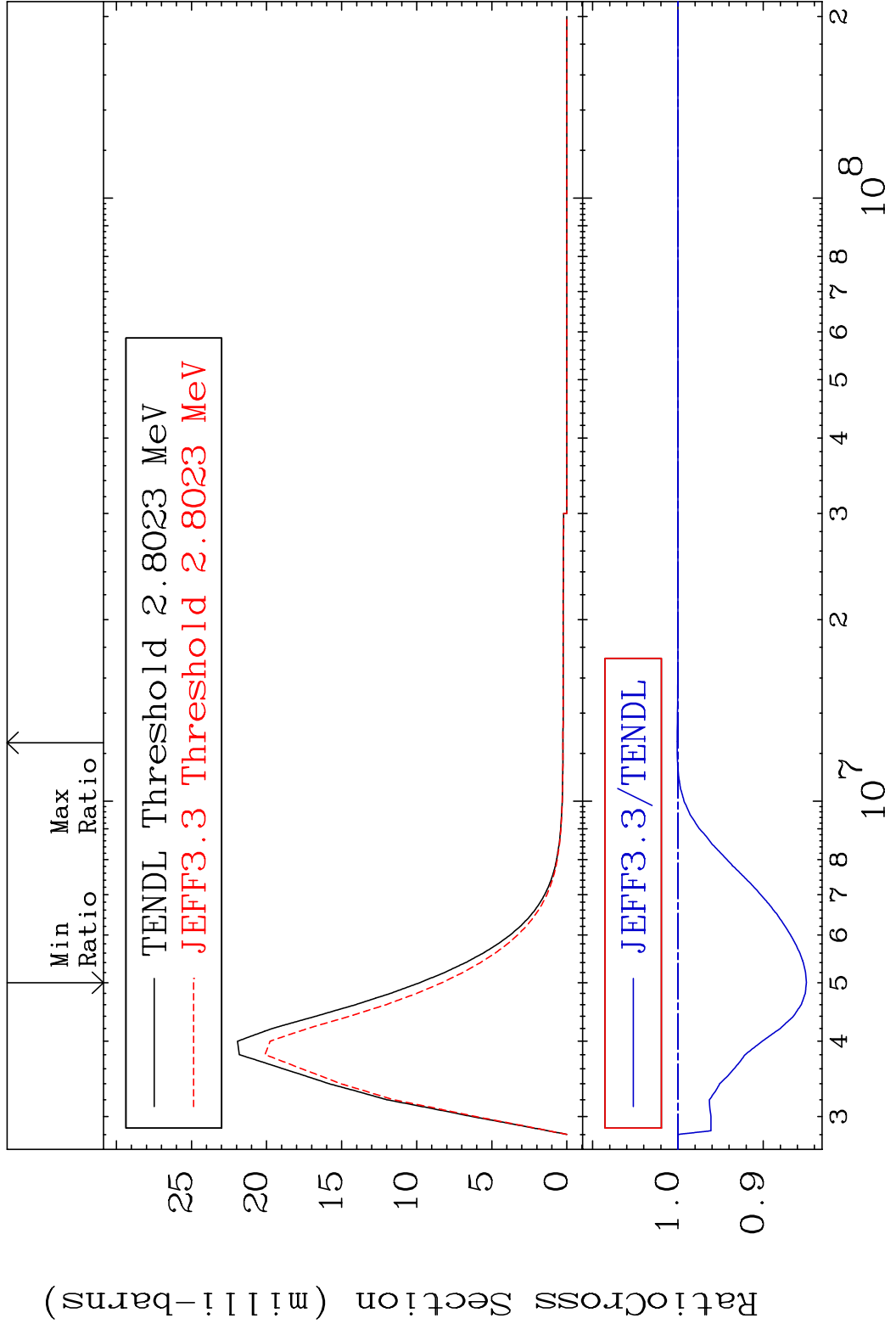
MAT 3825 MT= 61 (n, n') Level 38-Sr-84  
 Cross Section -15.28 To 0.061 %



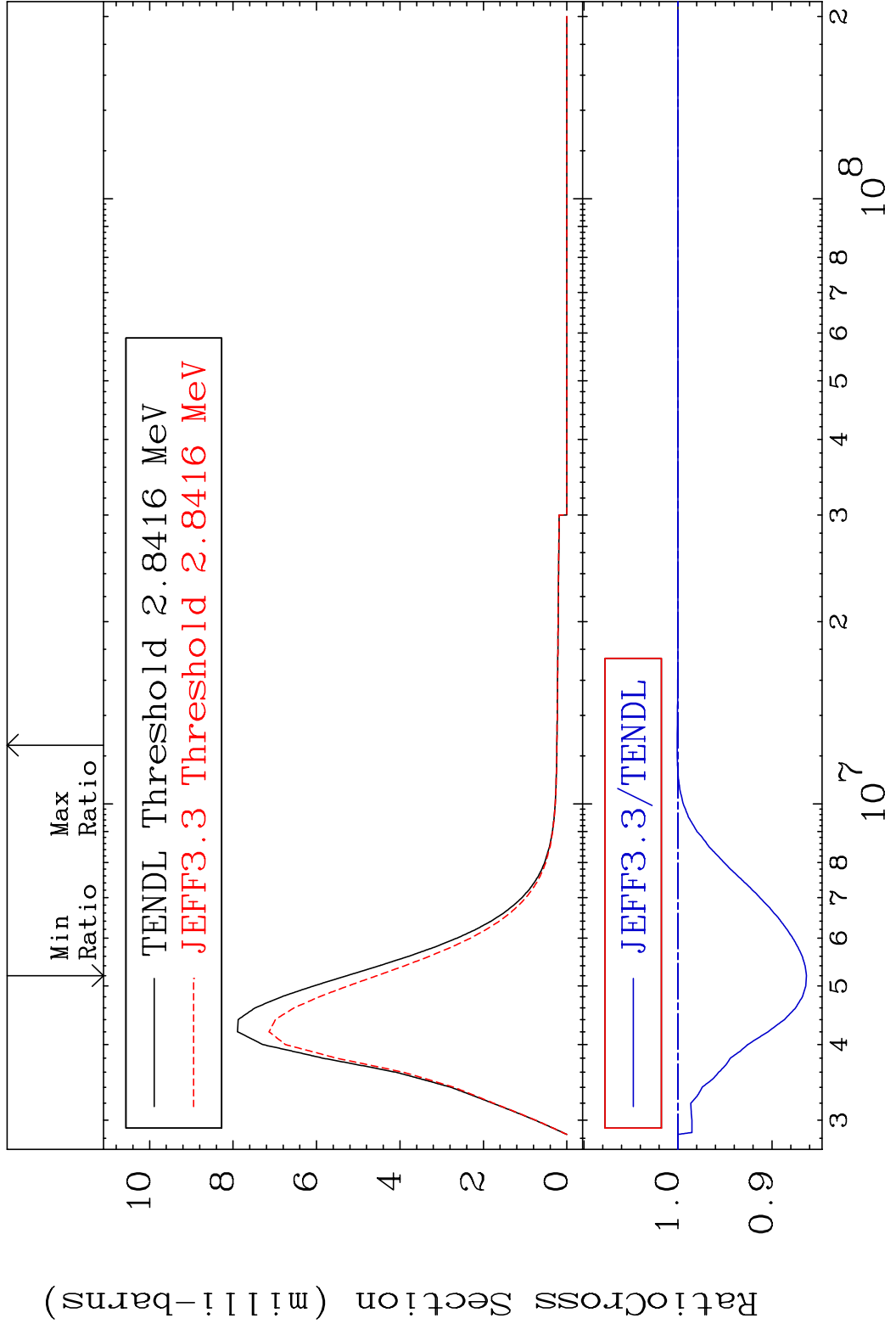
MAT 3825 MT= 62 (n, n') Level 38-Sr-84  
 Cross Section -14.86 To 24.70 %



MAT 3825 MT= 63 (n, n') Level 38-Sr-84  
 Cross Section -15.06 To 0.088 %

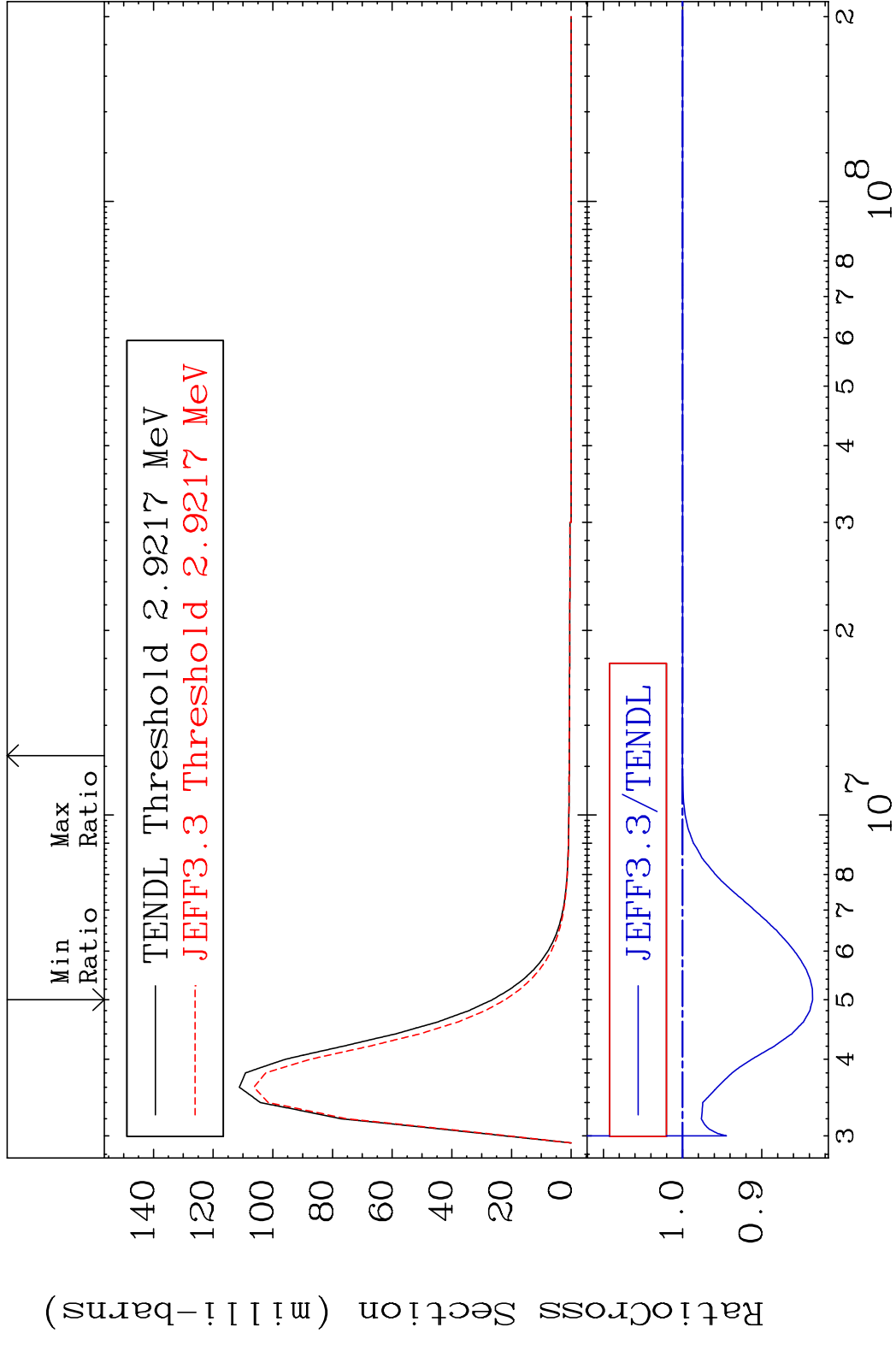


MAT 3825 MT= 64 (n, n') Level 38-Sr-84  
 Cross Section -13.66 To 0.078 %



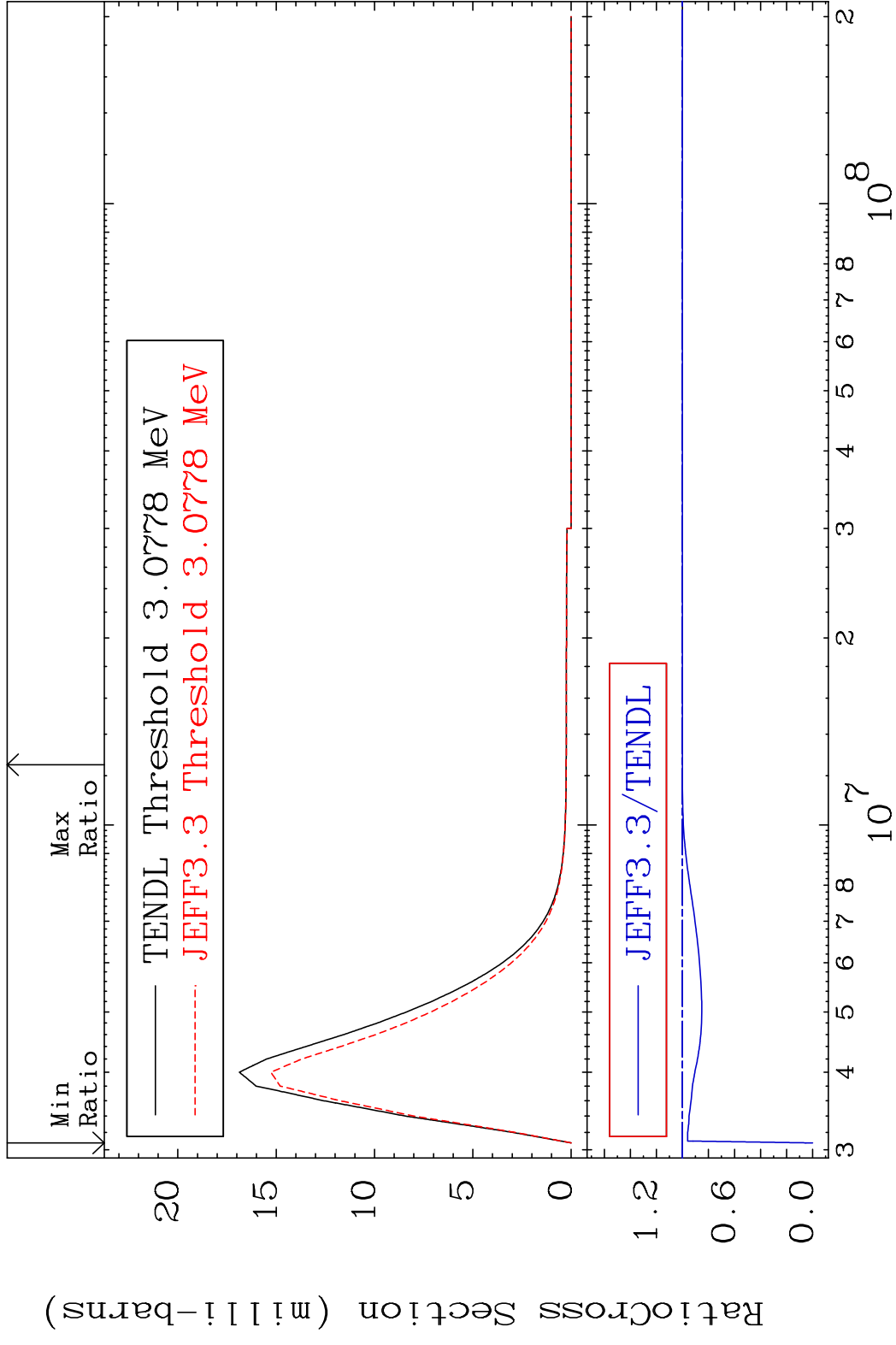
30 Incident Energy (eV) 38-Sr-84

MAT 3825 MT= 65 (n,n') Level 38-Sr-84  
 Cross Section -16.41 To 0.029 %

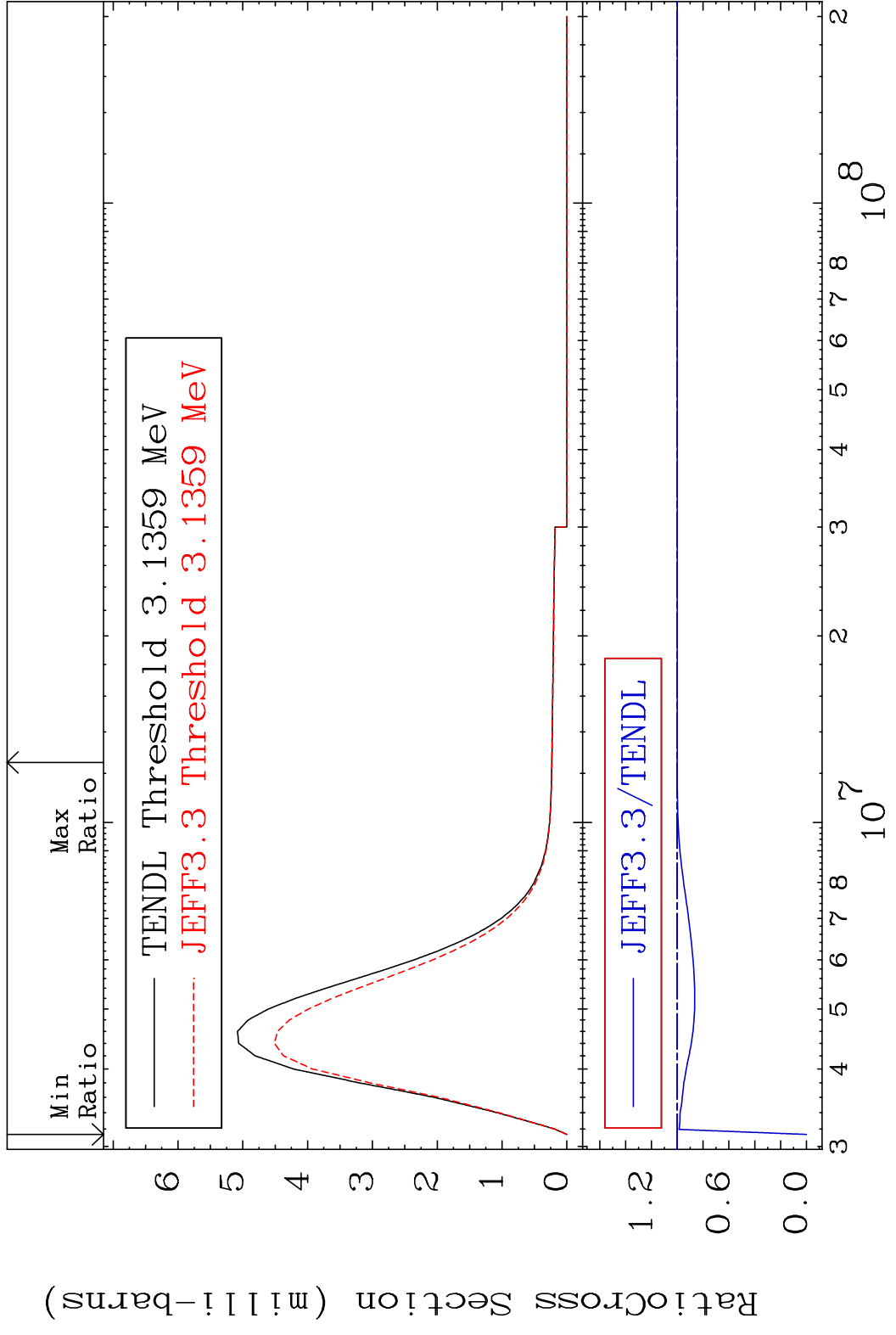




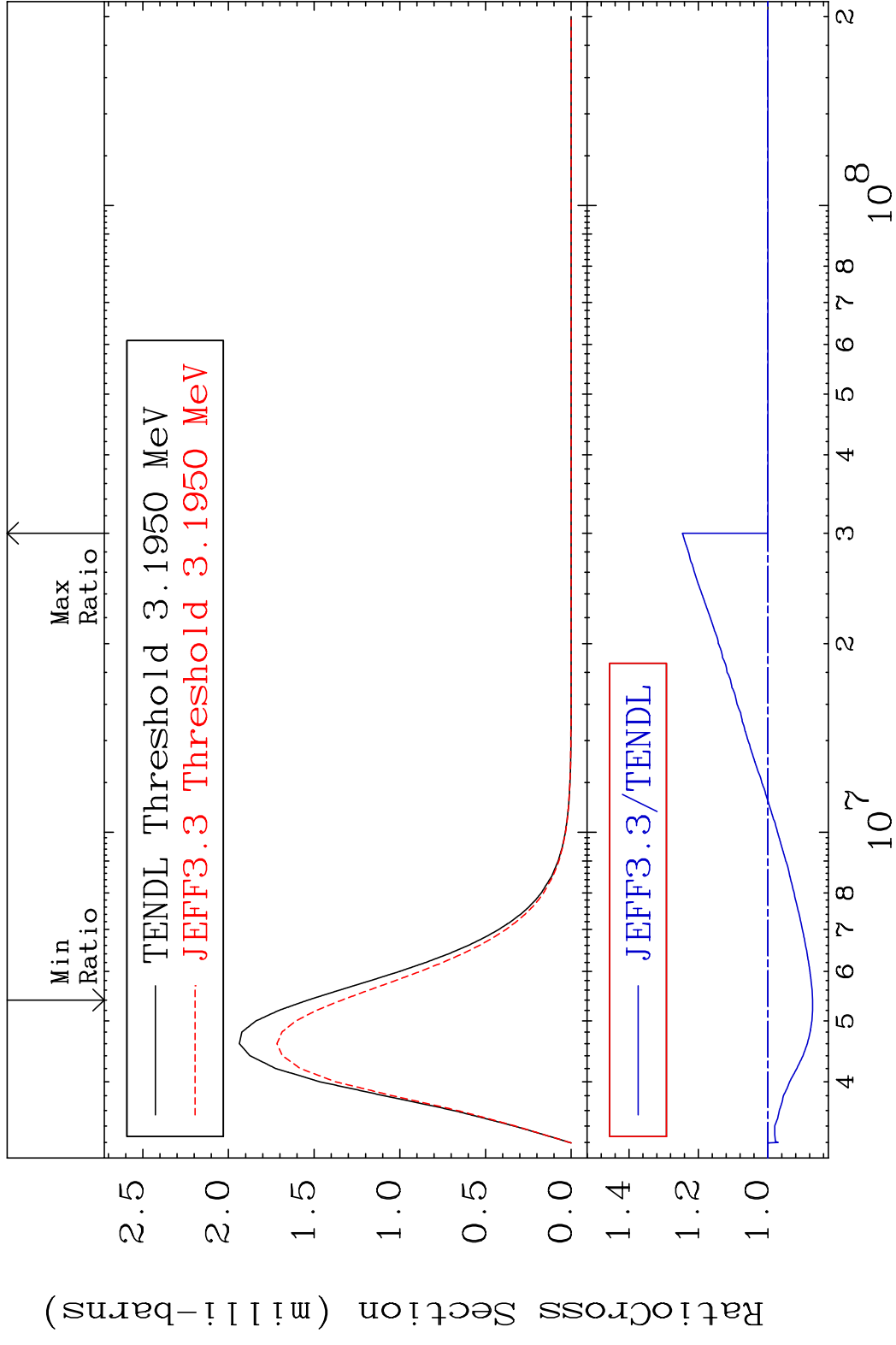
MAT 3825 MT= 66 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 0.087 %



MAT 3825 MT= 67 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 0.078 %



MAT 3825 MT= 68 (n, n') Level 38-Sr-84  
 Cross Section -12.85 To 24.63 %

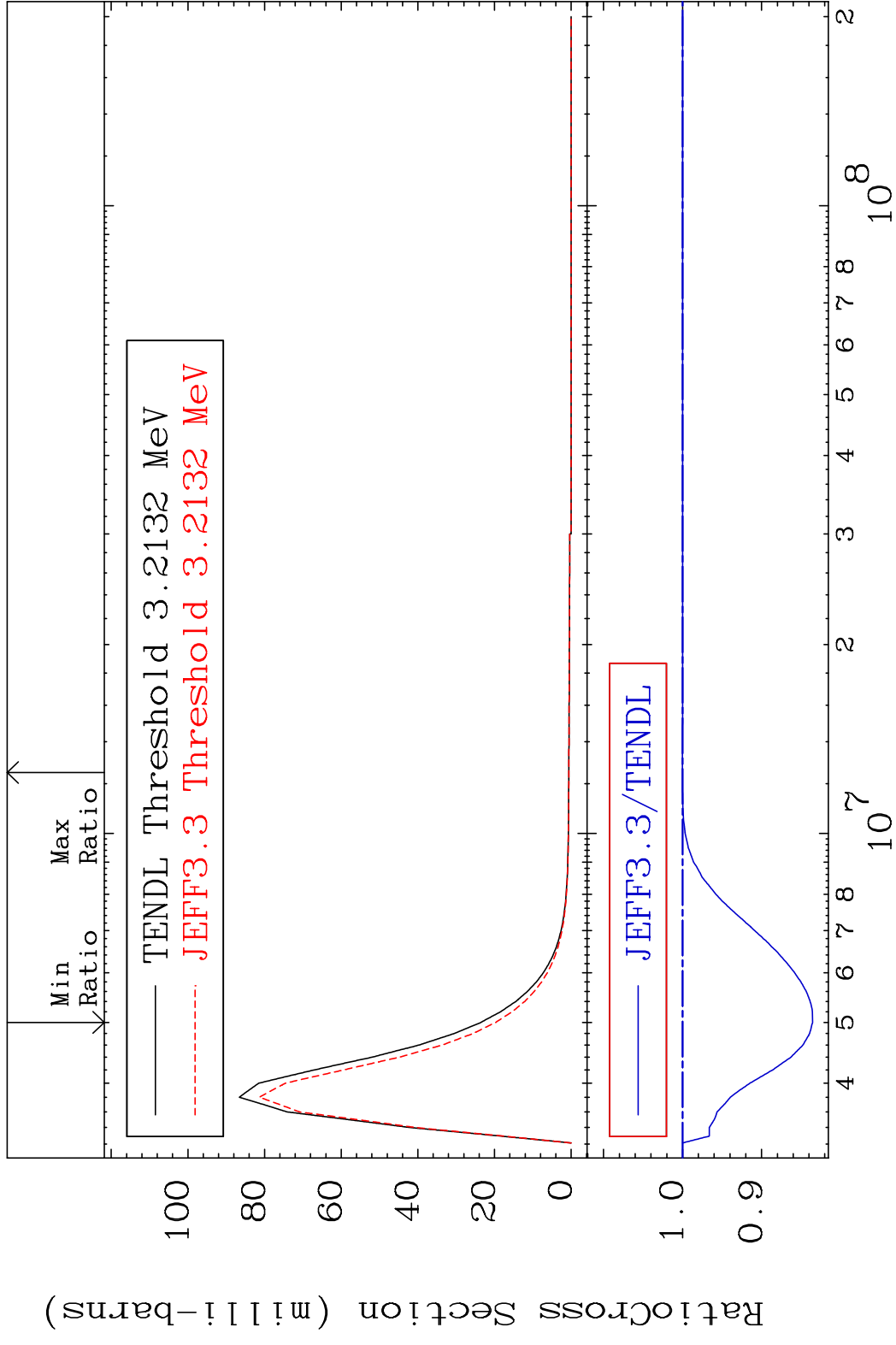


MAT 3825

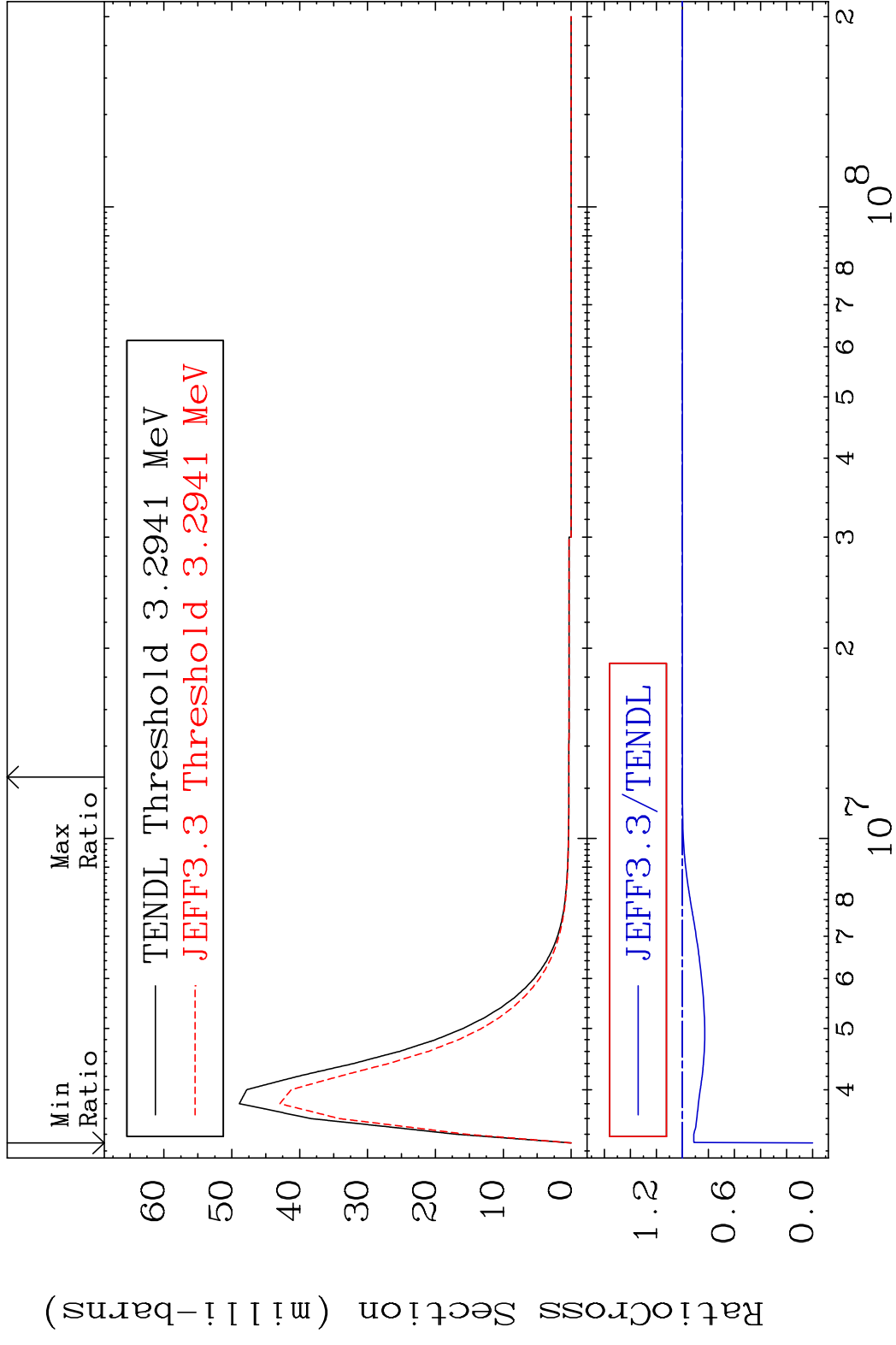
MT= 69 (n, n') Level

38-Sr-84

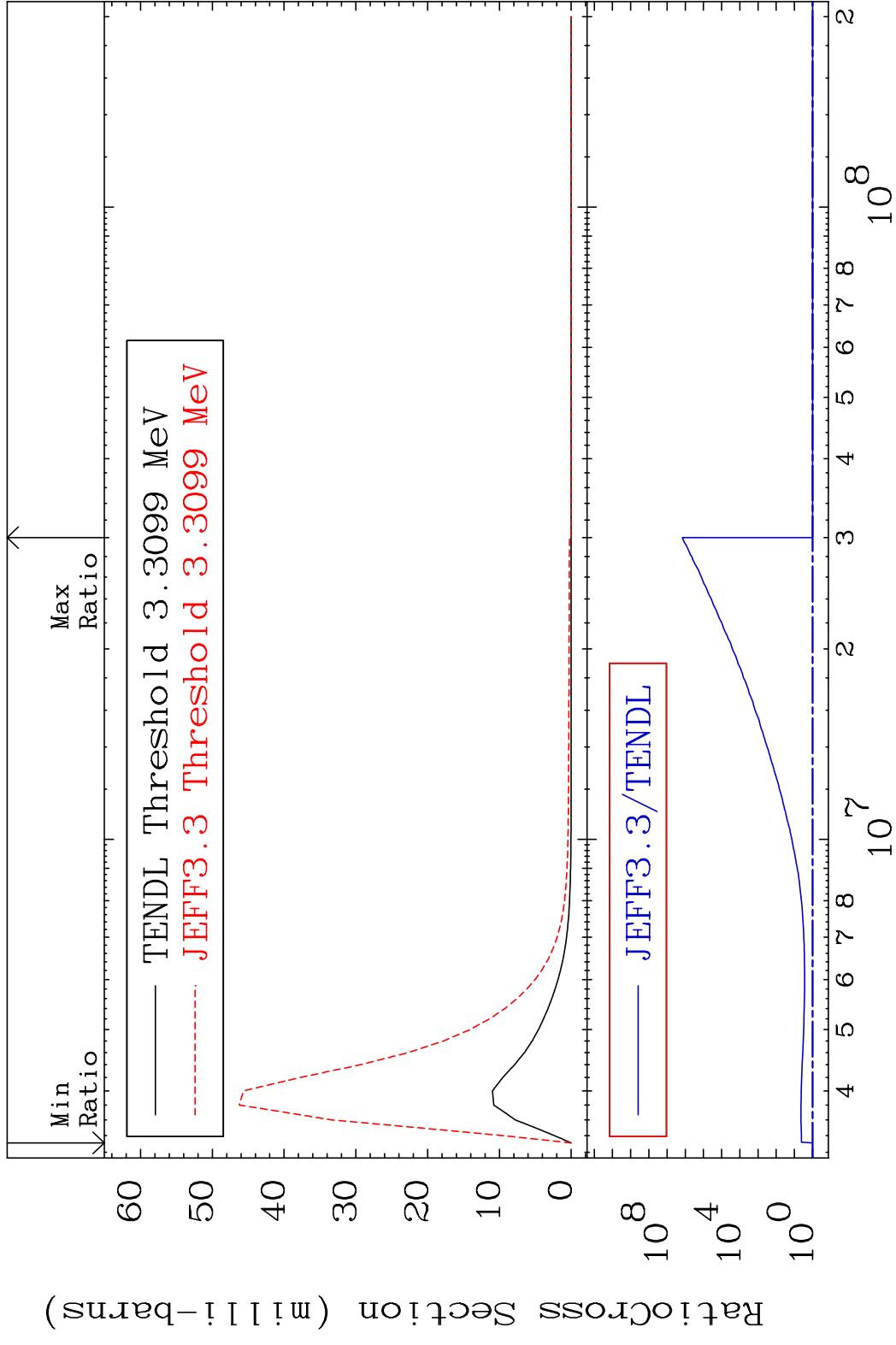
Cross Section -16.45 To 0.029 %



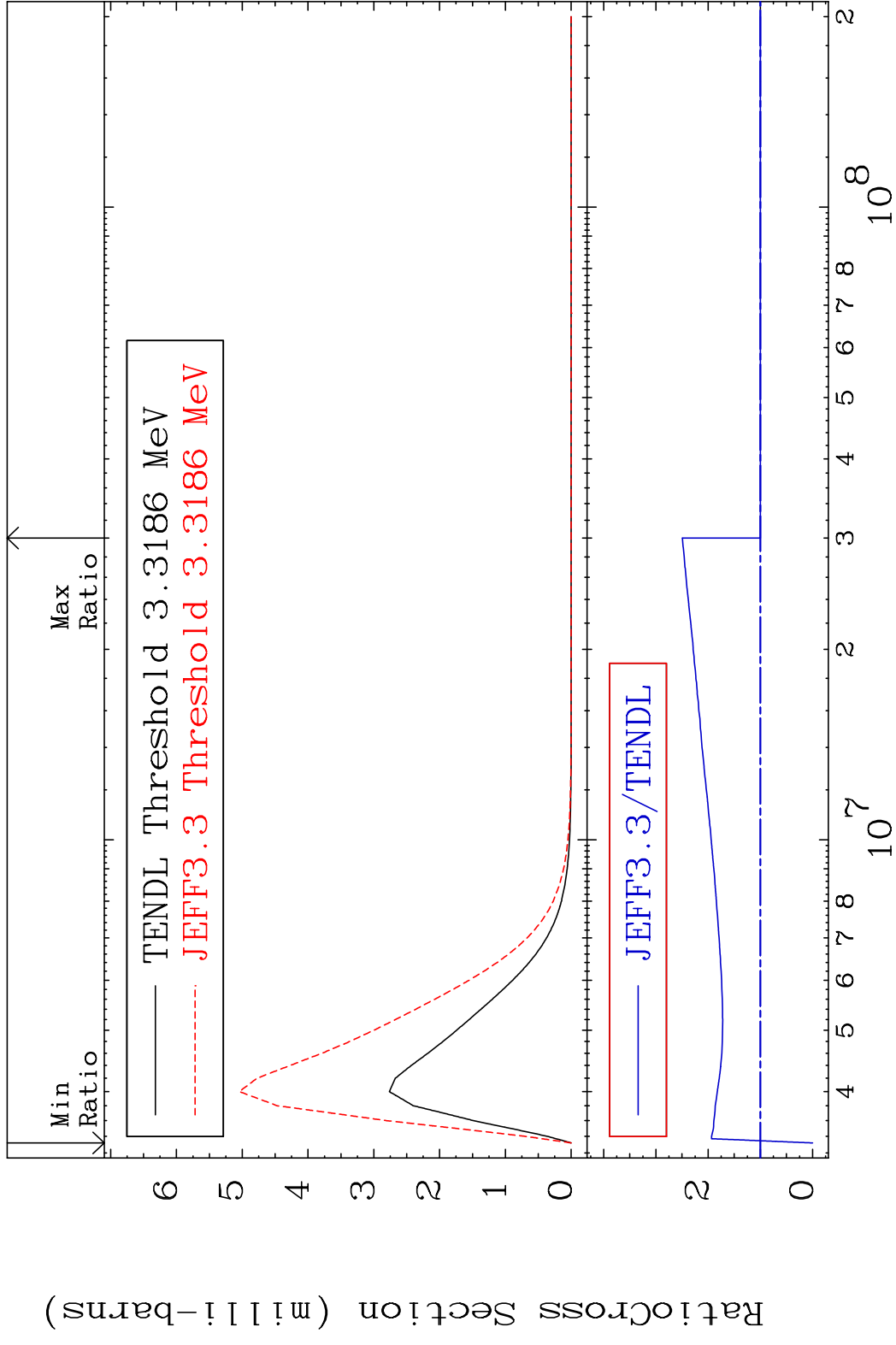
MAT 3825 MT= 70 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 0.063 %



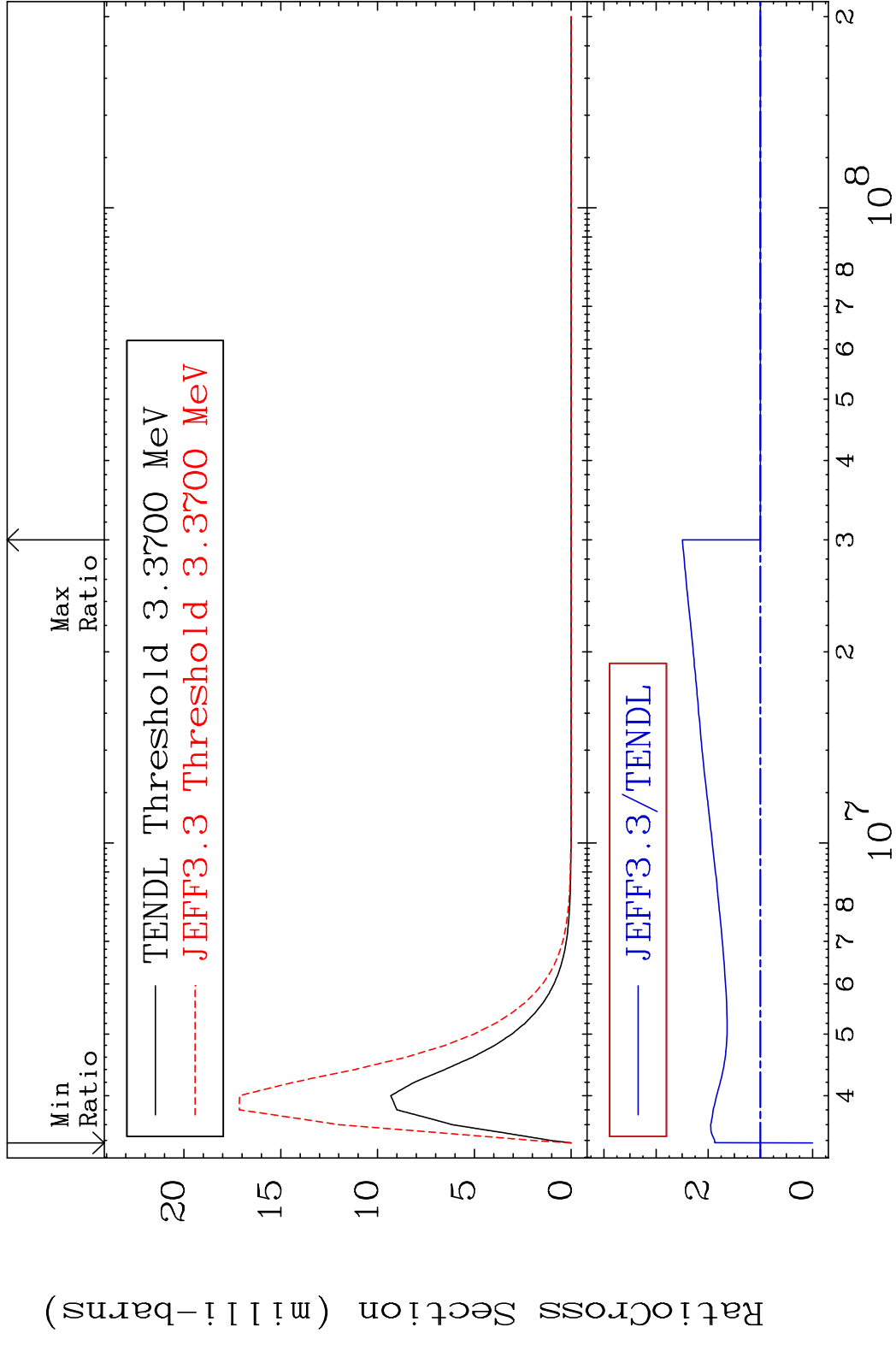
MAT 3825 MT= 71 (n, n') Level 38-Sr-84  
 Cross Section 0.000 To 9999. %



MAT 3825 MT= 72 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 149.3 %

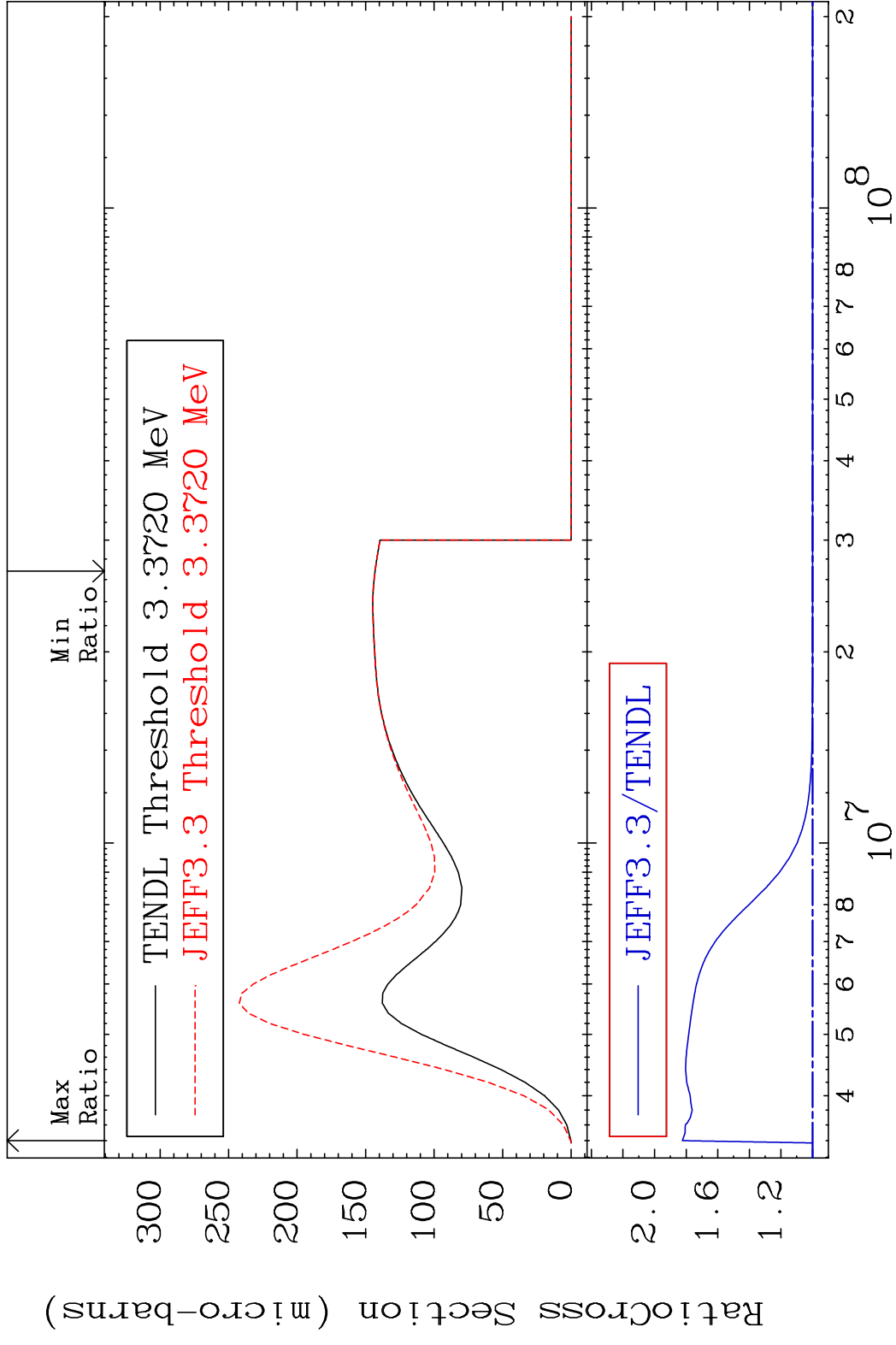


MAT 3825 MT= 73 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 149.6 %



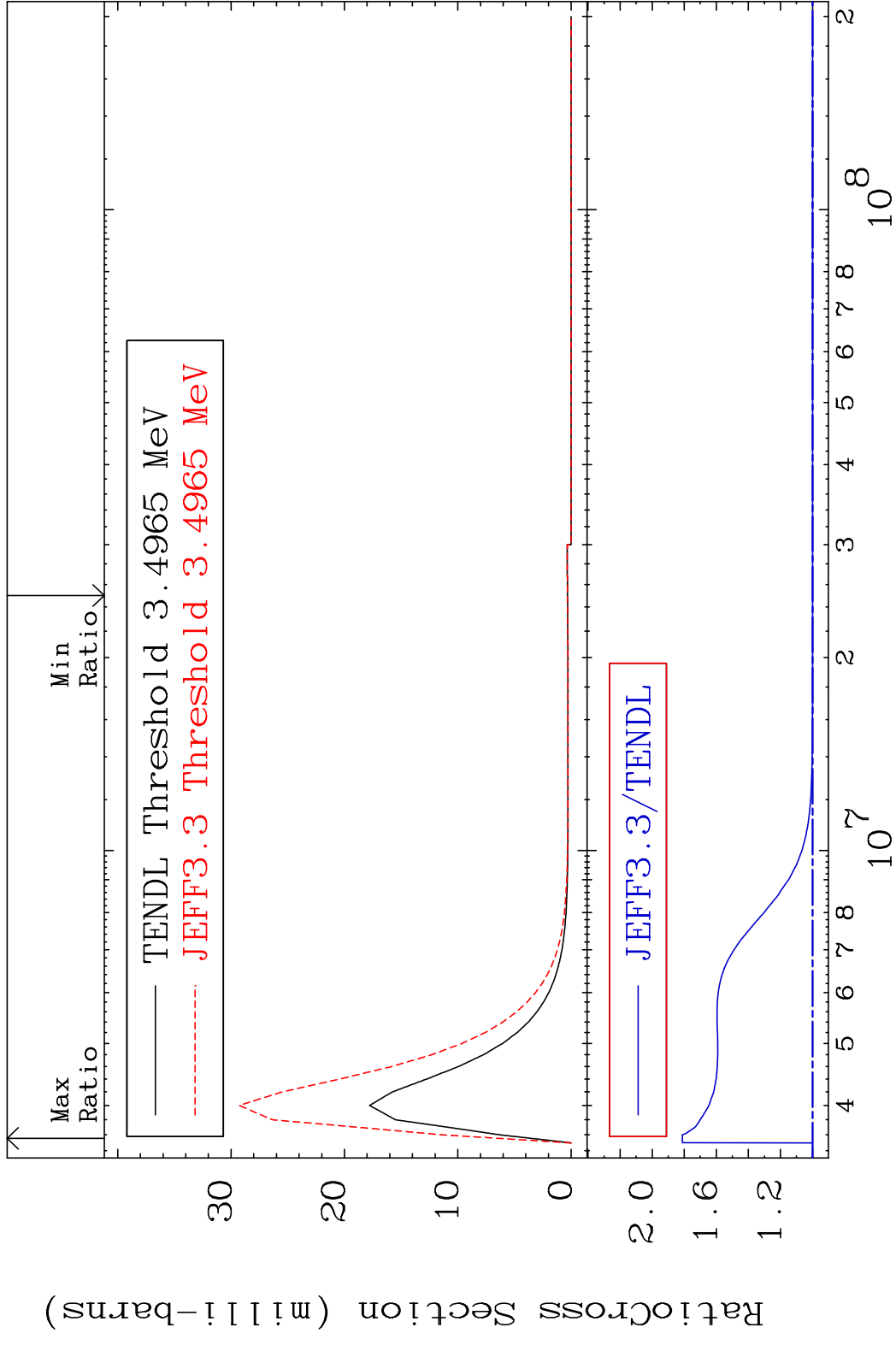


MAT 3825 MT= 74 (n, n') Level 38-Sr-84  
 Cross Section 0.000 To 82.41 %

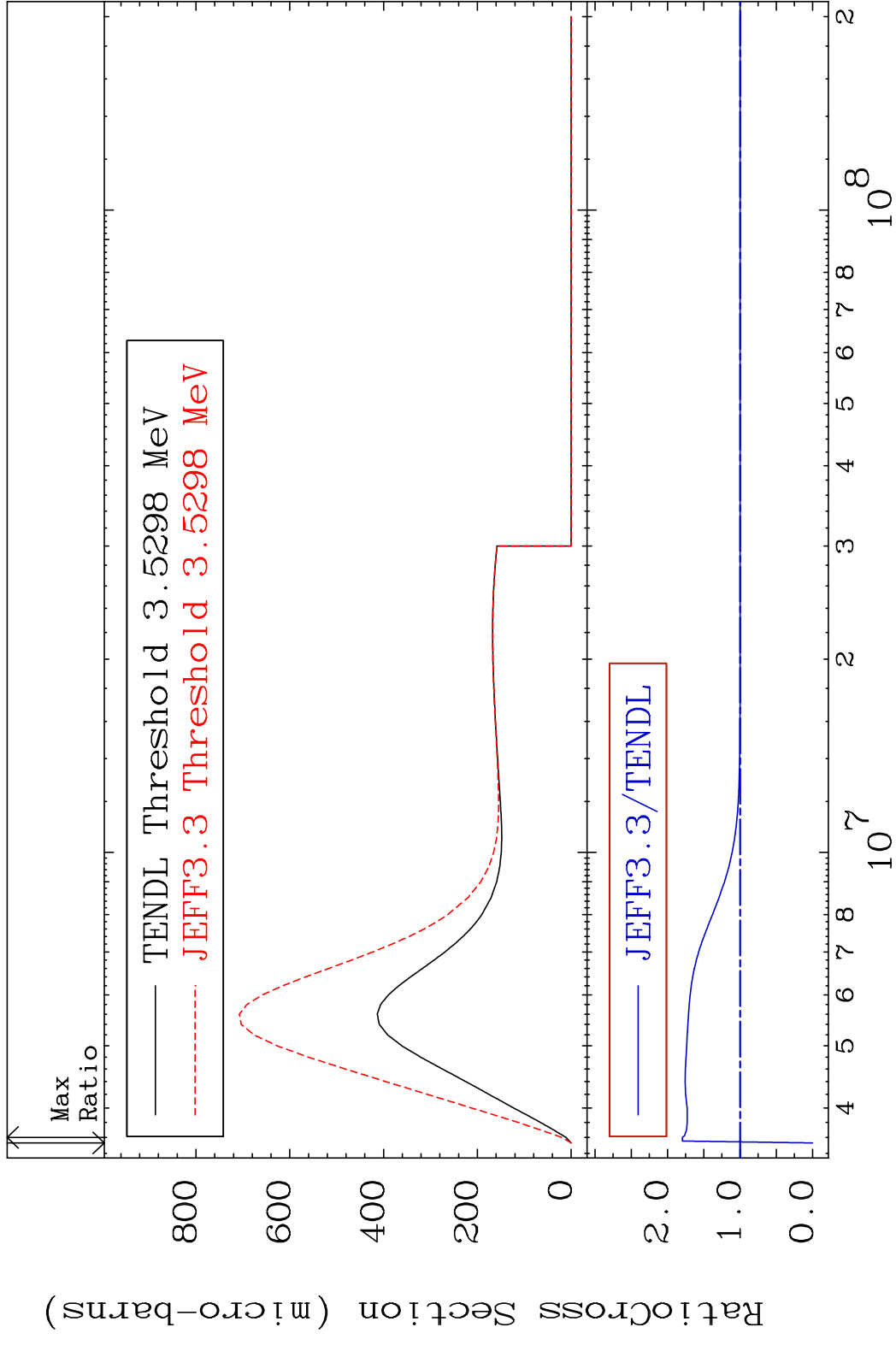


40 Incident Energy (eV) 38-Sr-84

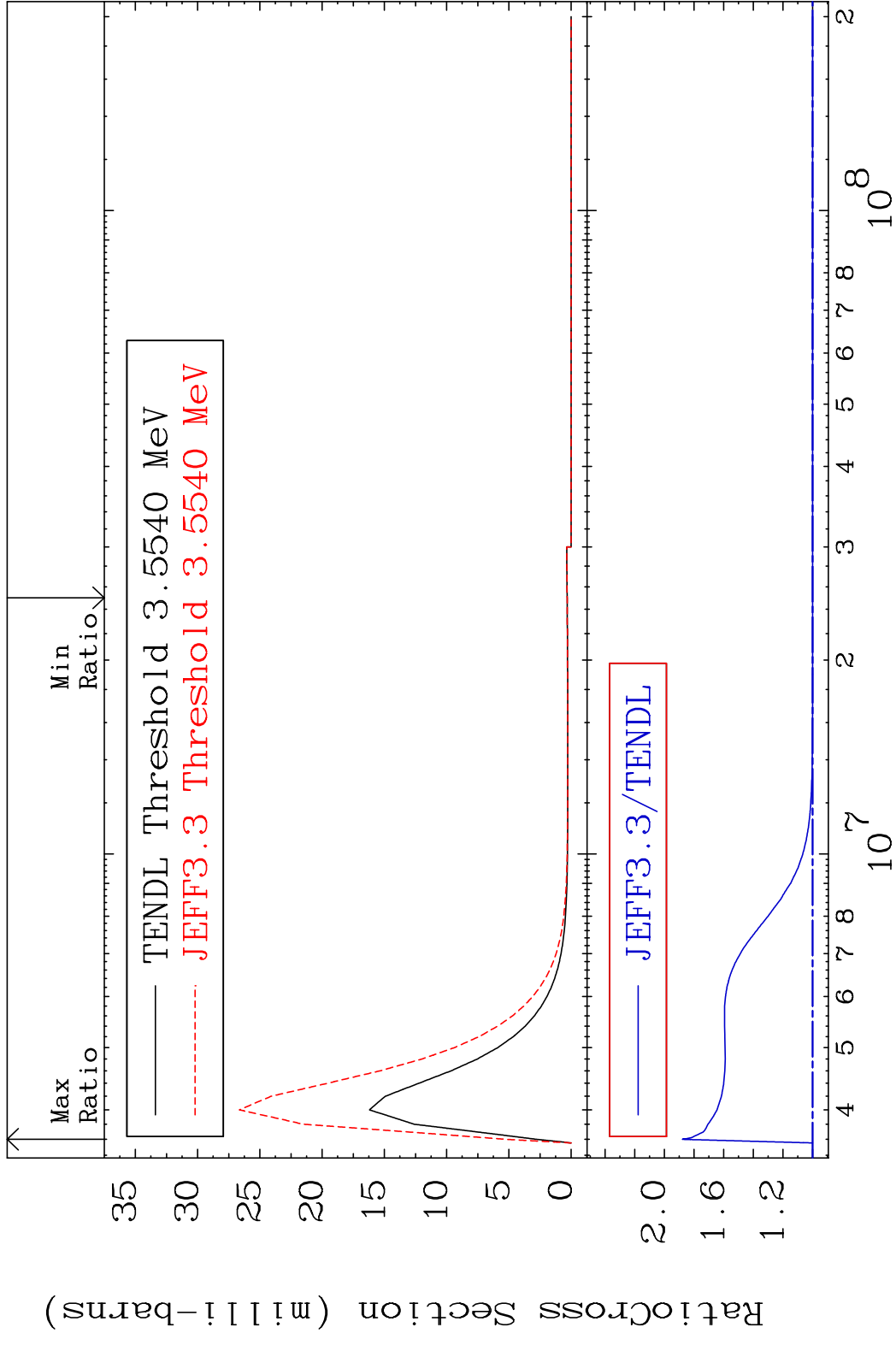
MAT 3825 MT= 75 (n, n') Level 38-Sr-84  
 Cross Section 0.000 To 81.18 %



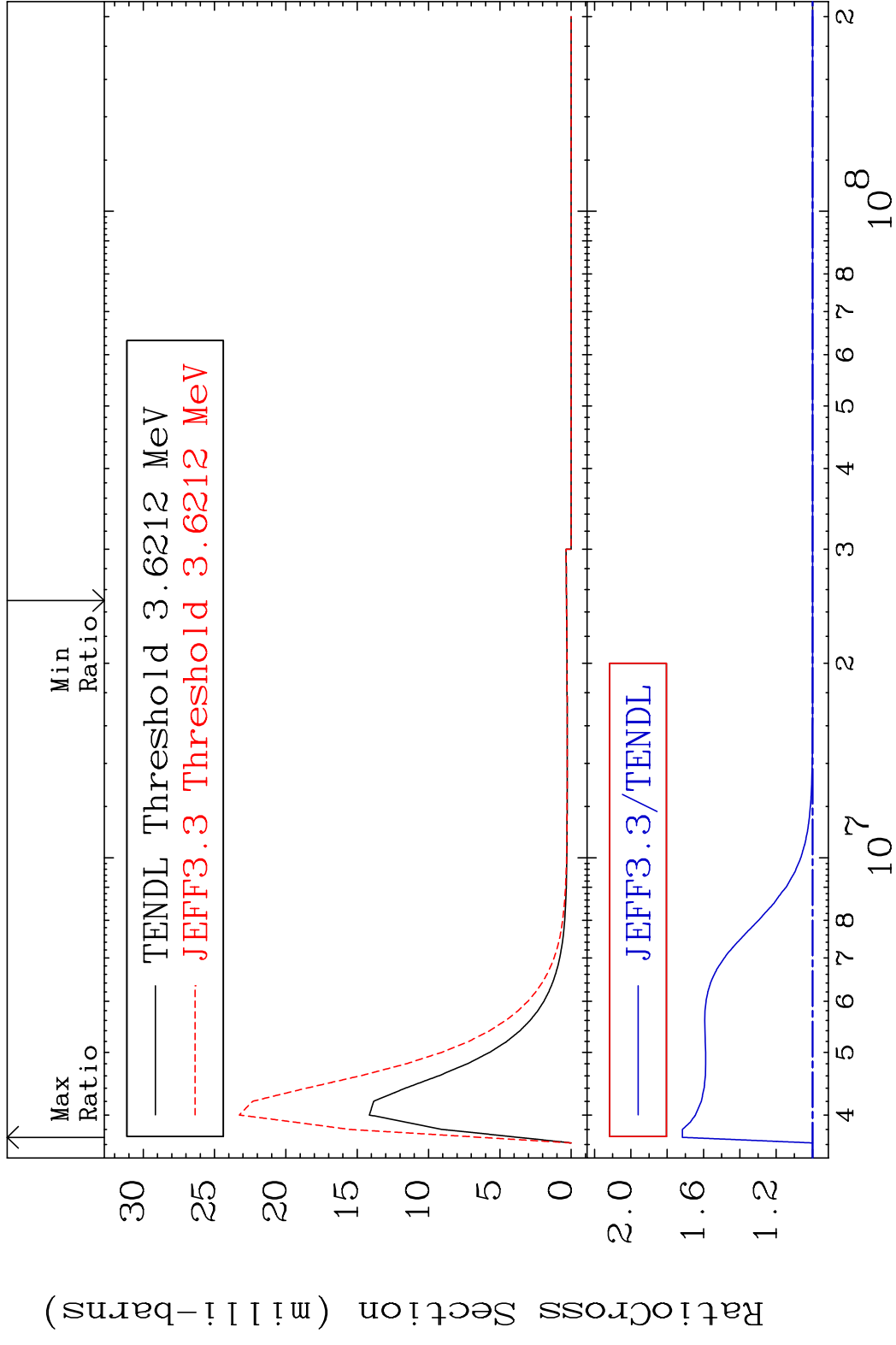
MAT 3825 MT= 76 (n, n') Level 38-Sr-84  
 Cross Section -100.0 To 79.56 %



MAT 3825 MT= 77 (n, n') Level 38-Sr-84  
 Cross Section 0.000 To 87.85 %



MAT 3825 MT= 78 (n,n') Level 38-Sr-84  
 Cross Section 0.000 To 71.66 %

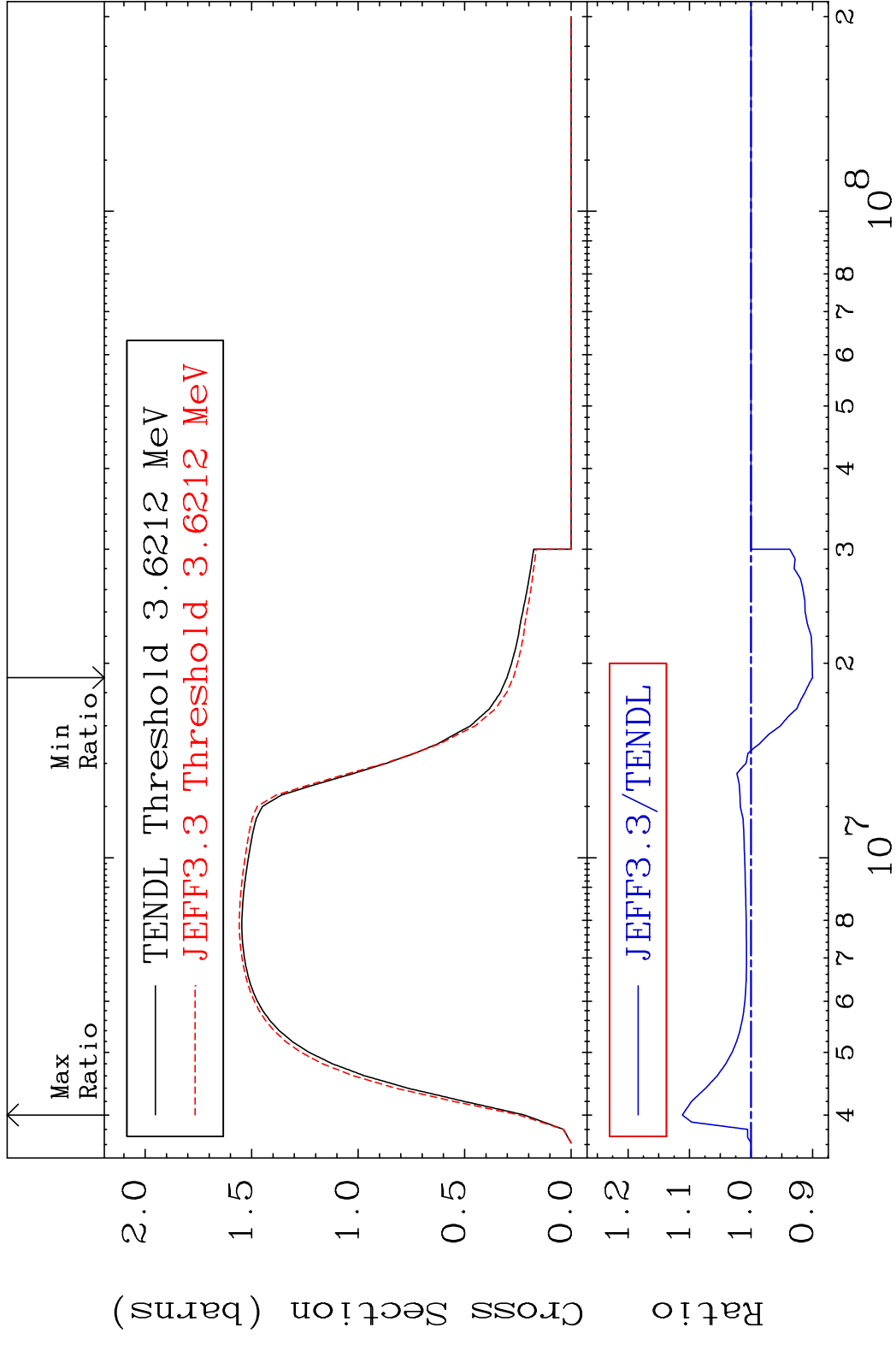


MAT 3825

(n, n') Continuum

38-Sr-84

Cross Section -10.01 To 11.17 %

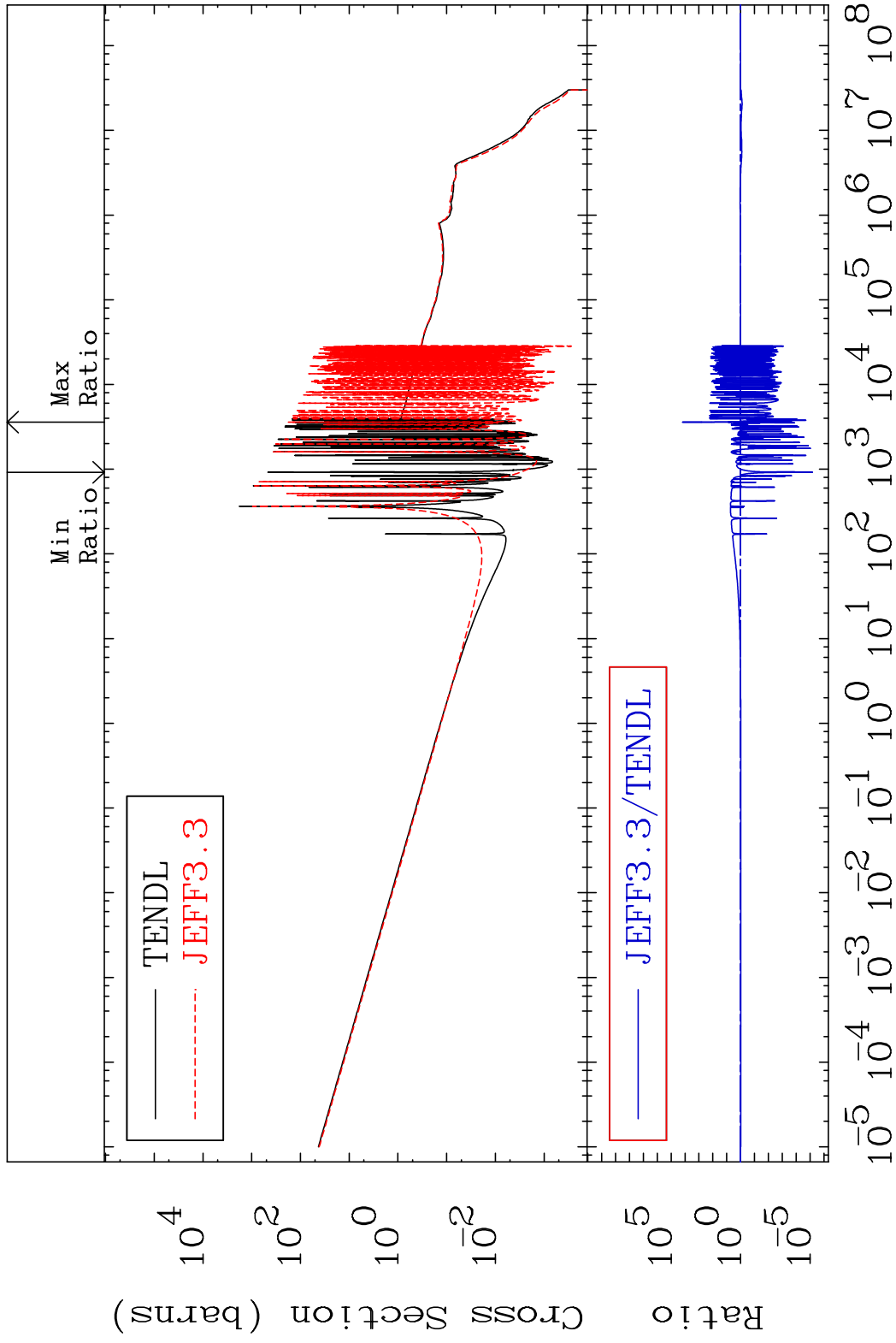


MAT 3825

(n,  $\gamma$ )

38-Sr-84

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

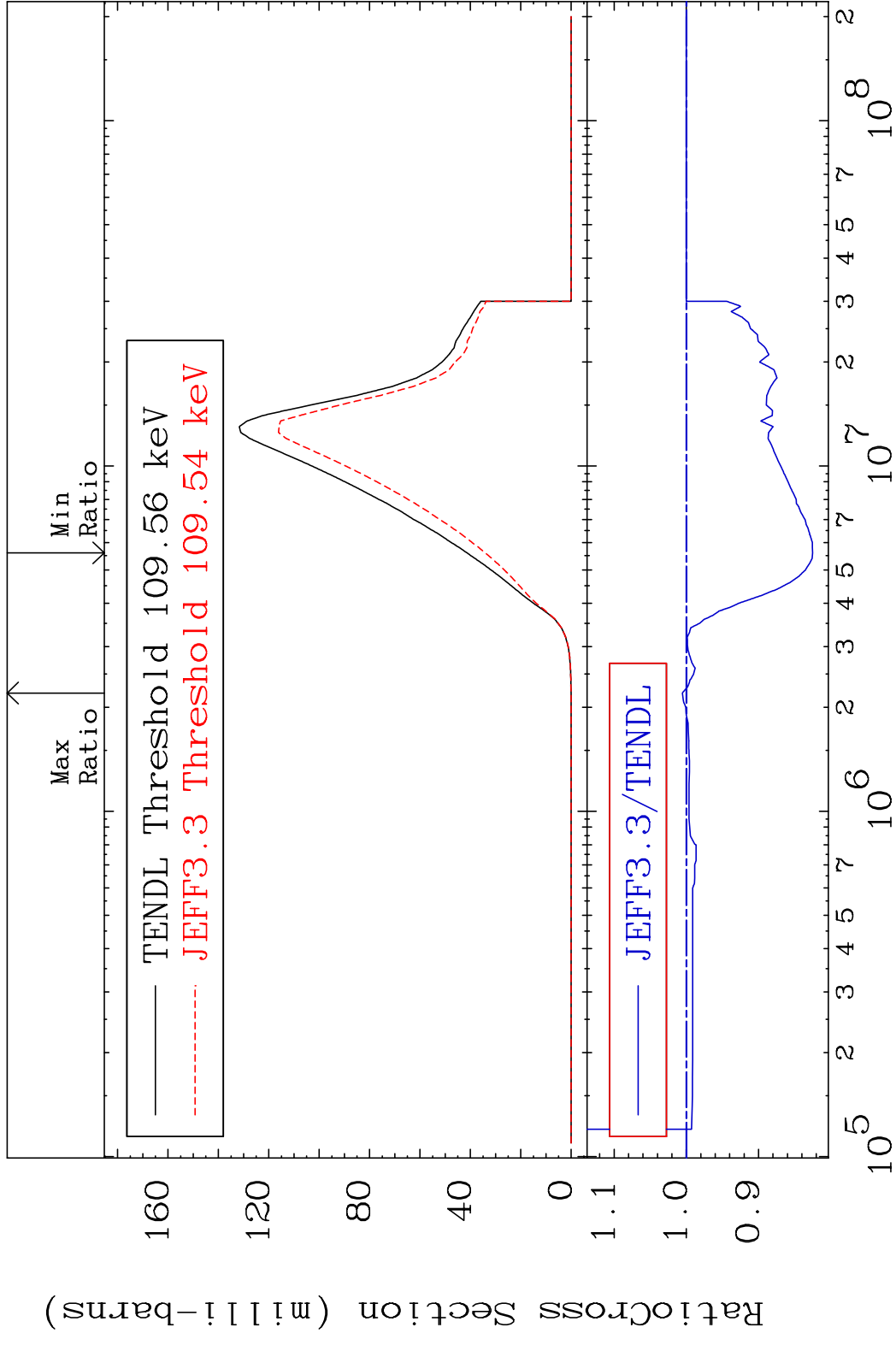
38-Sr-84

MAT 3825

38-Sr-84

(n, p)

Cross Section -17.47 To 0.553 %



47

Incident Energy (eV)

38-Sr-84

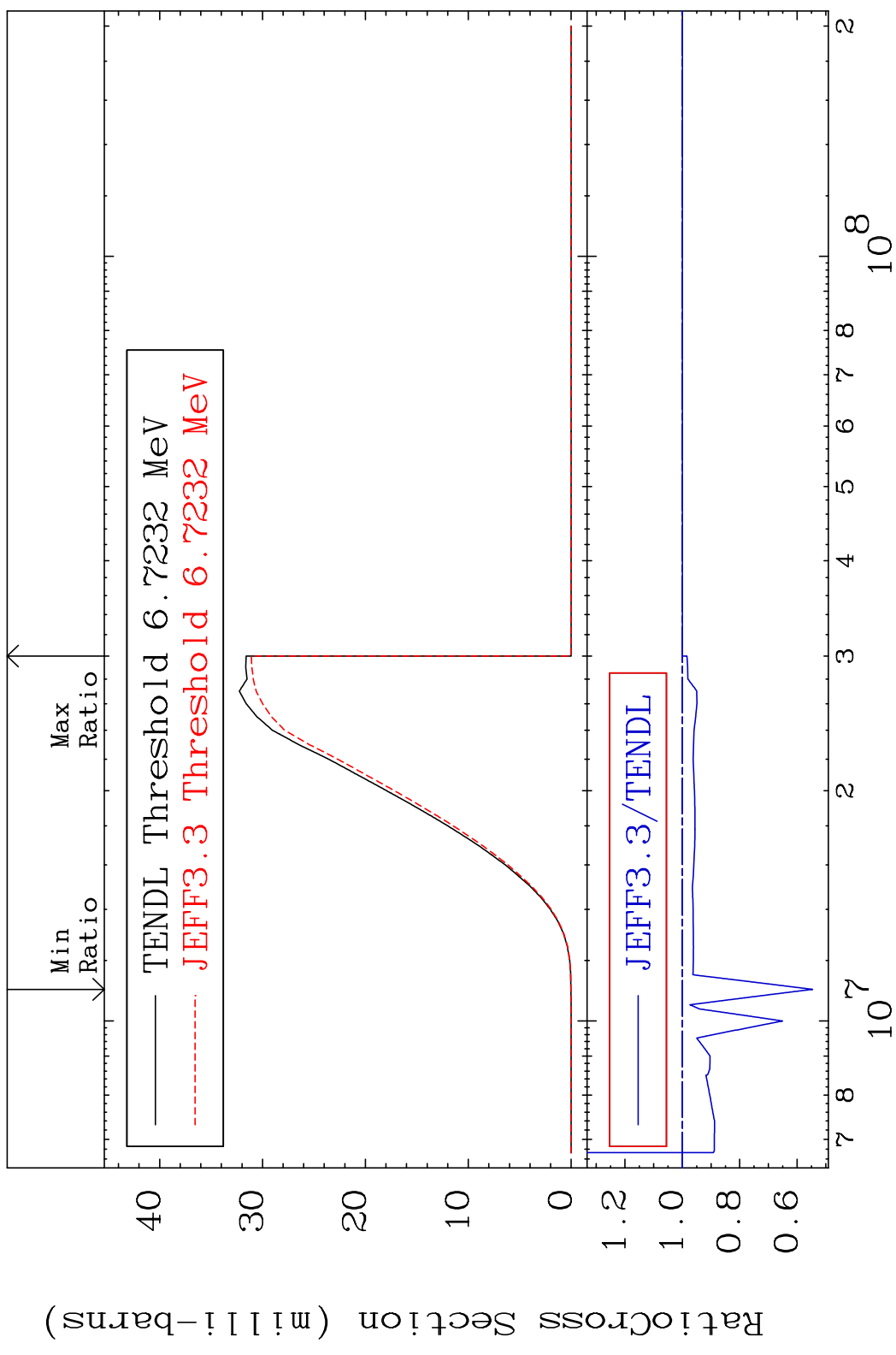


MAT 3825

(n, d)

38-Sr-84

Cross Section -45.38 To 0.000 %



48

Incident Energy (eV)

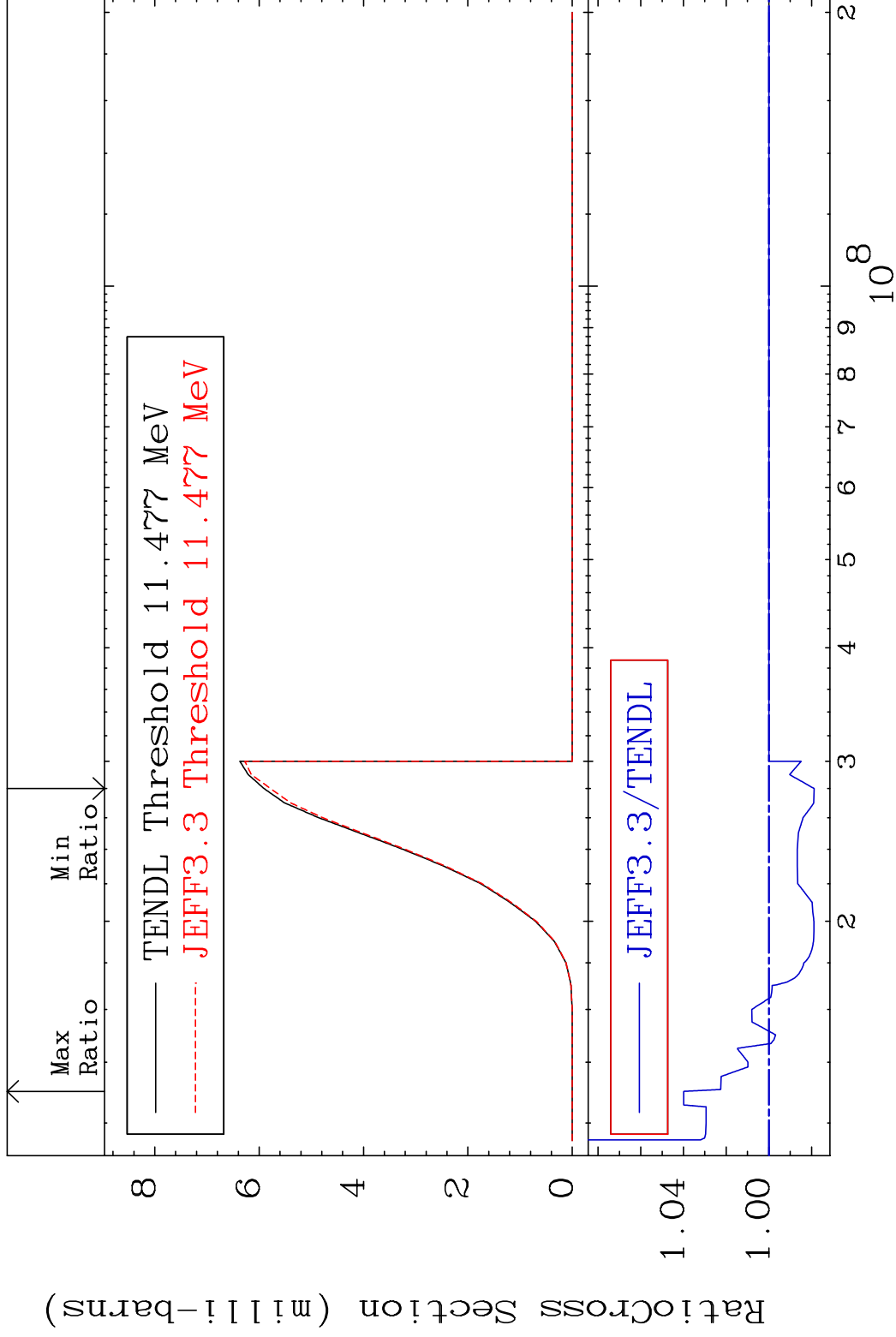
38-Sr-84

MAT 3825

(n, t)

38-Sr-84

Cross Section -2.120 To 3.991 %

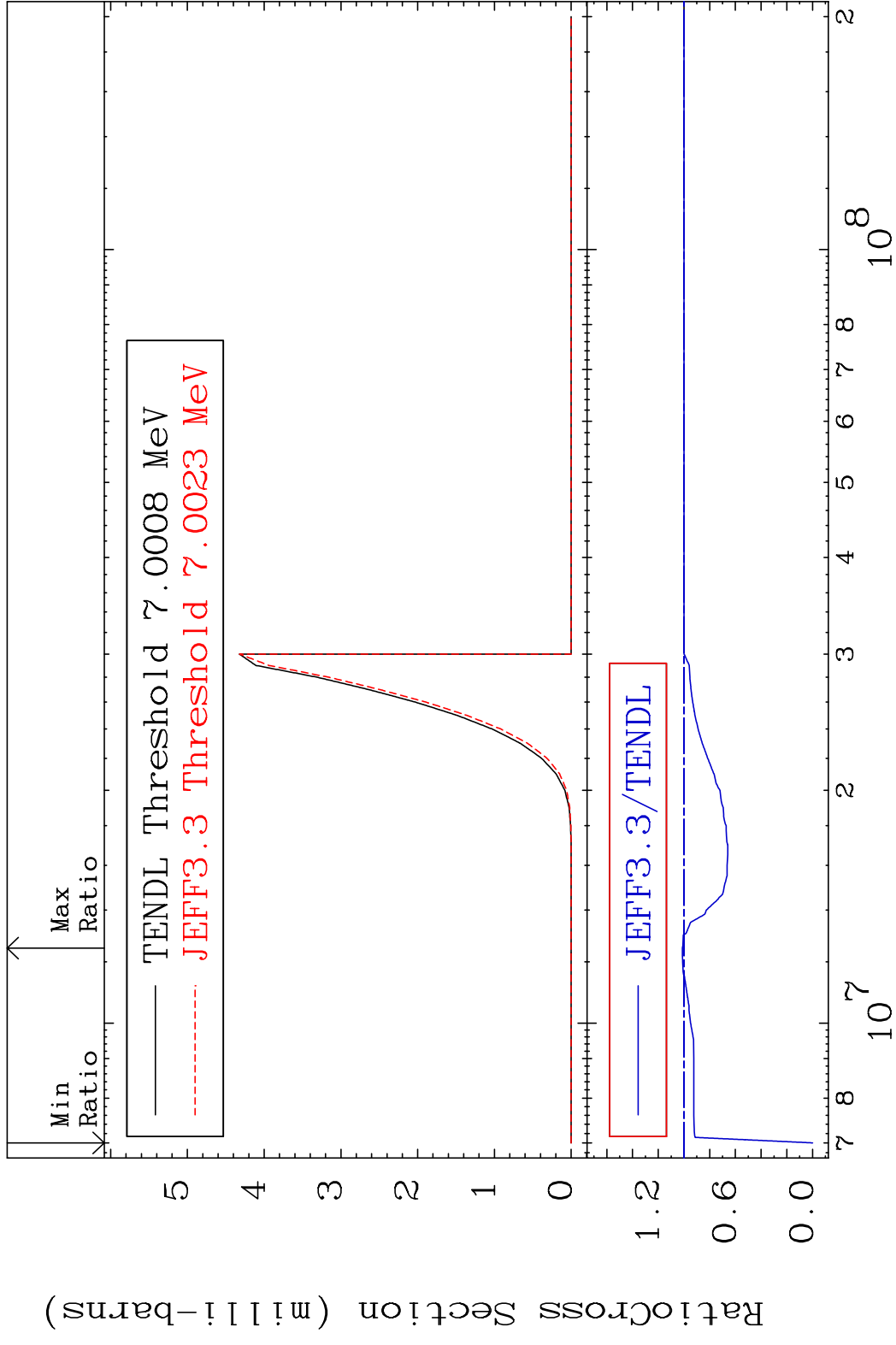


49

Incident Energy (eV)

38-Sr-84

MAT 3825 (n, He-3) 38-Sr-84  
 Cross Section -100.0 To 1.251 %



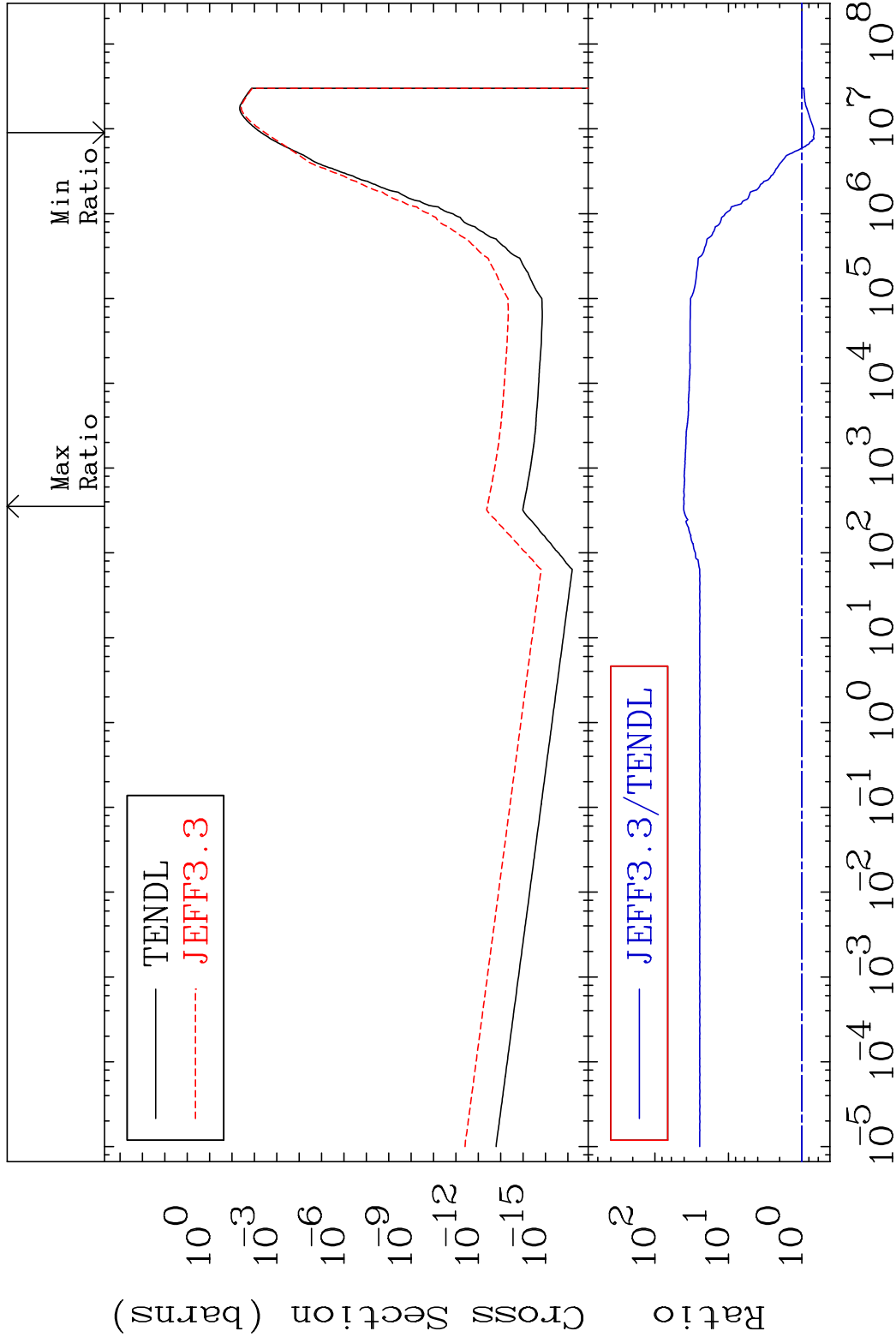
50 Incident Energy (eV) 38-Sr-84

MAT 3825

(n,  $\alpha$ )

38-Sr-84

Cross Section -31.86 To 3967. %

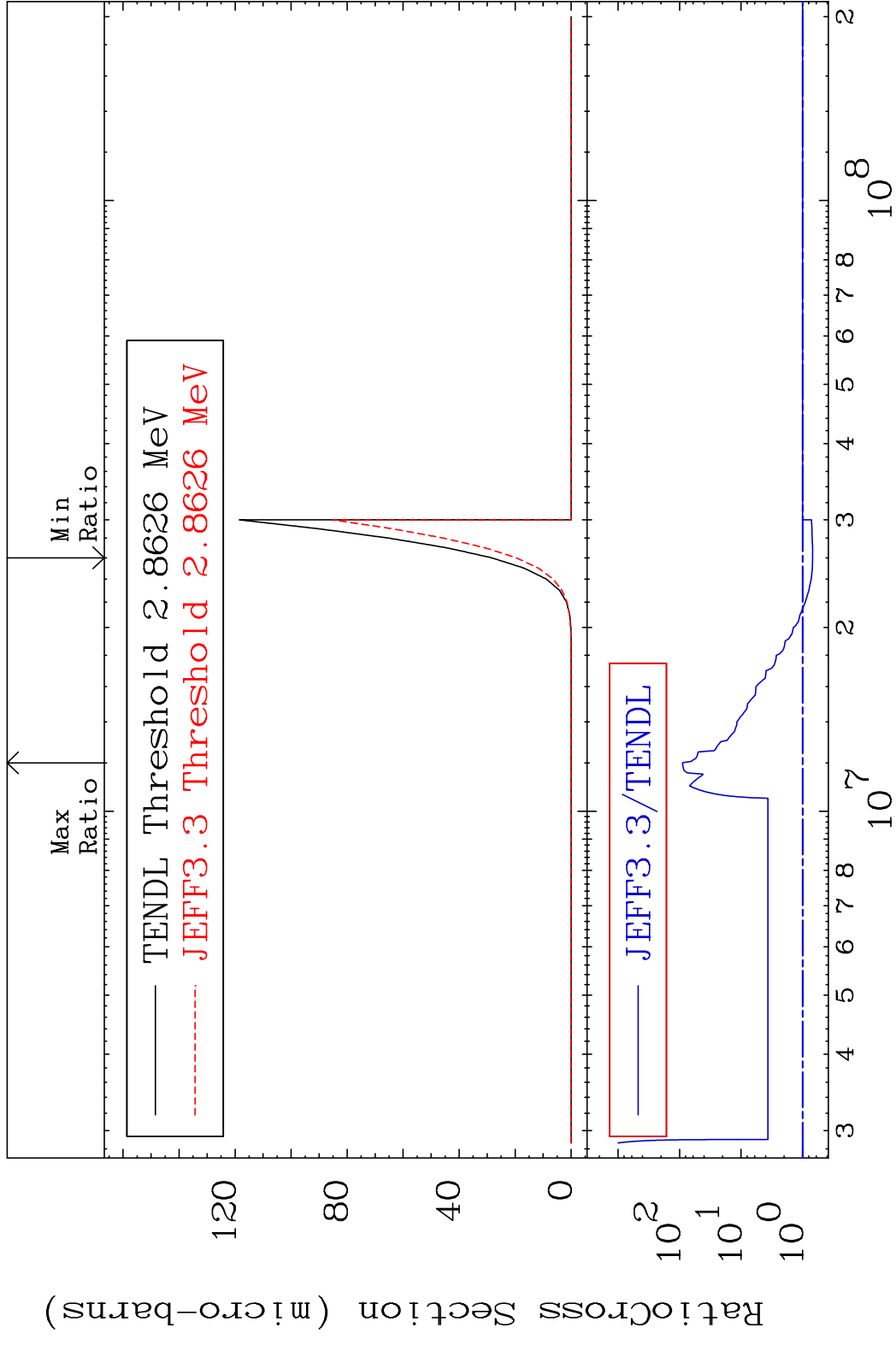


51

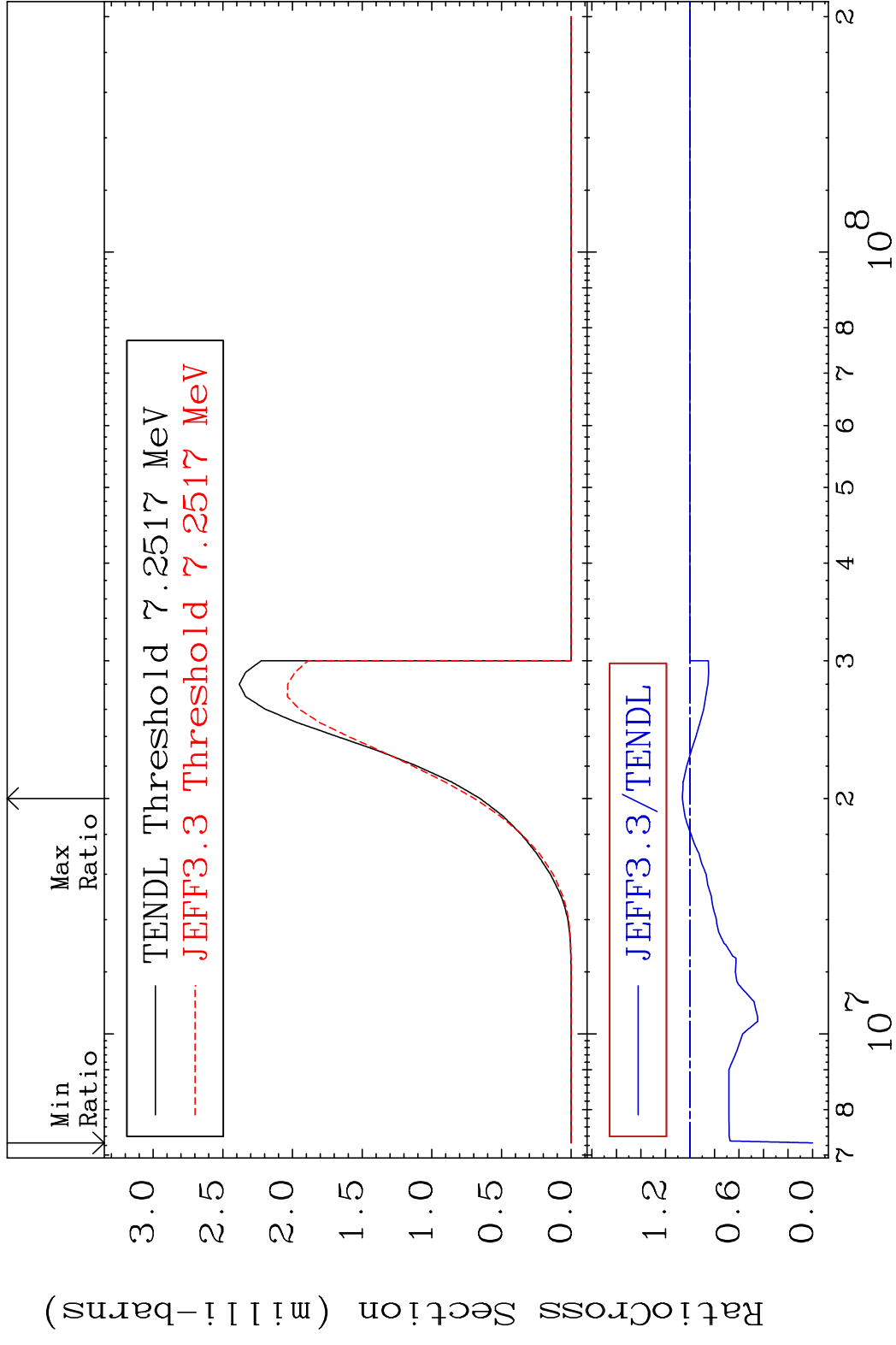
Incident Energy (eV)

38-Sr-84

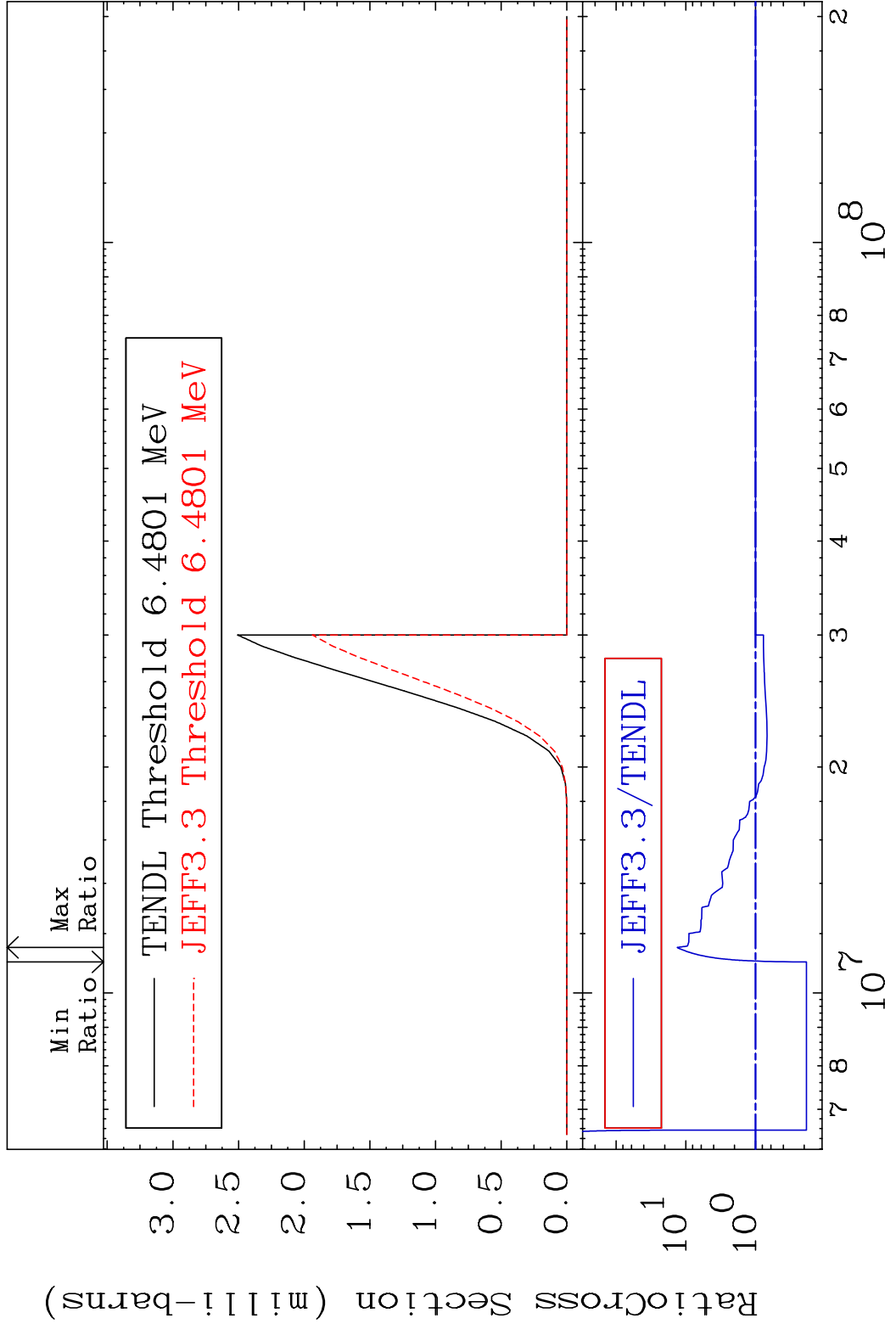
MAT 3825 (n,2α) 38-Sr-84  
 Cross Section -30.94 To 8905. %



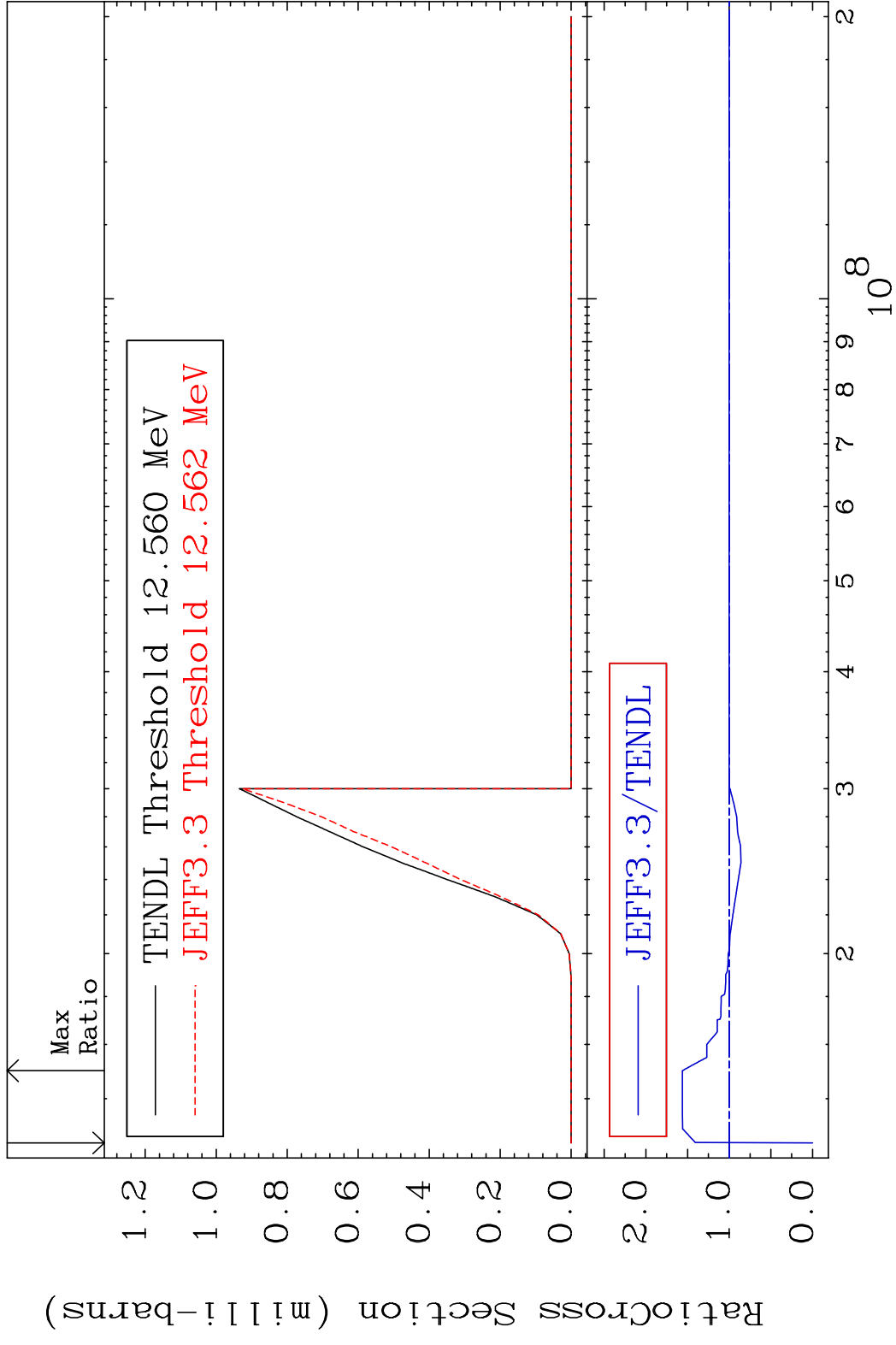
MAT 3825 (n,2p) 38-Sr-84  
 Cross Section -100.0 To 6.224 %



MAT 3825 (n,p)  $\alpha$  38-Sr-84  
 Cross Section -81.35 To 1230. %

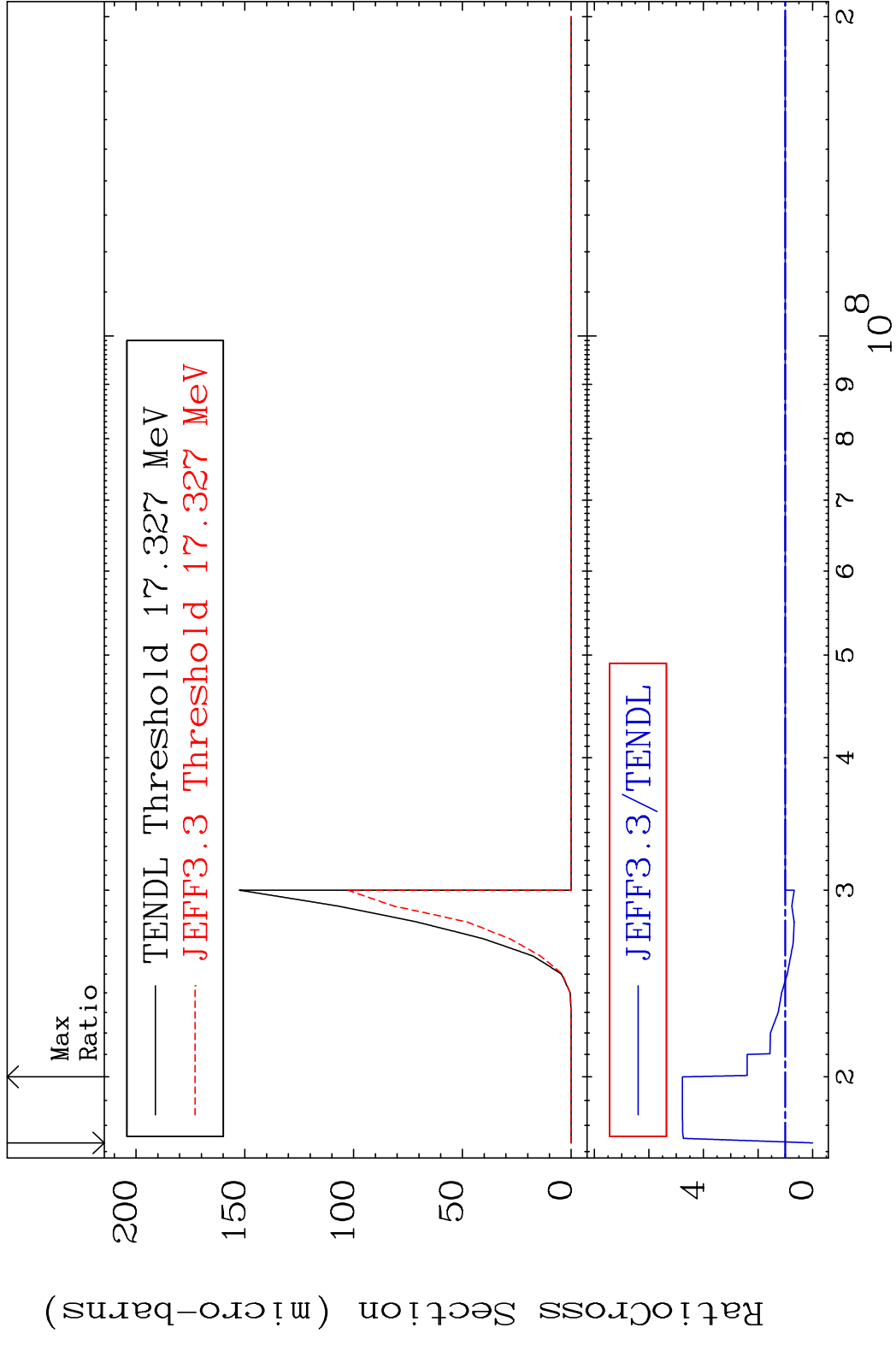


MAT 3825 (n,p) d 38-Sr-84  
 Cross Section -100.0 To 56.26 %

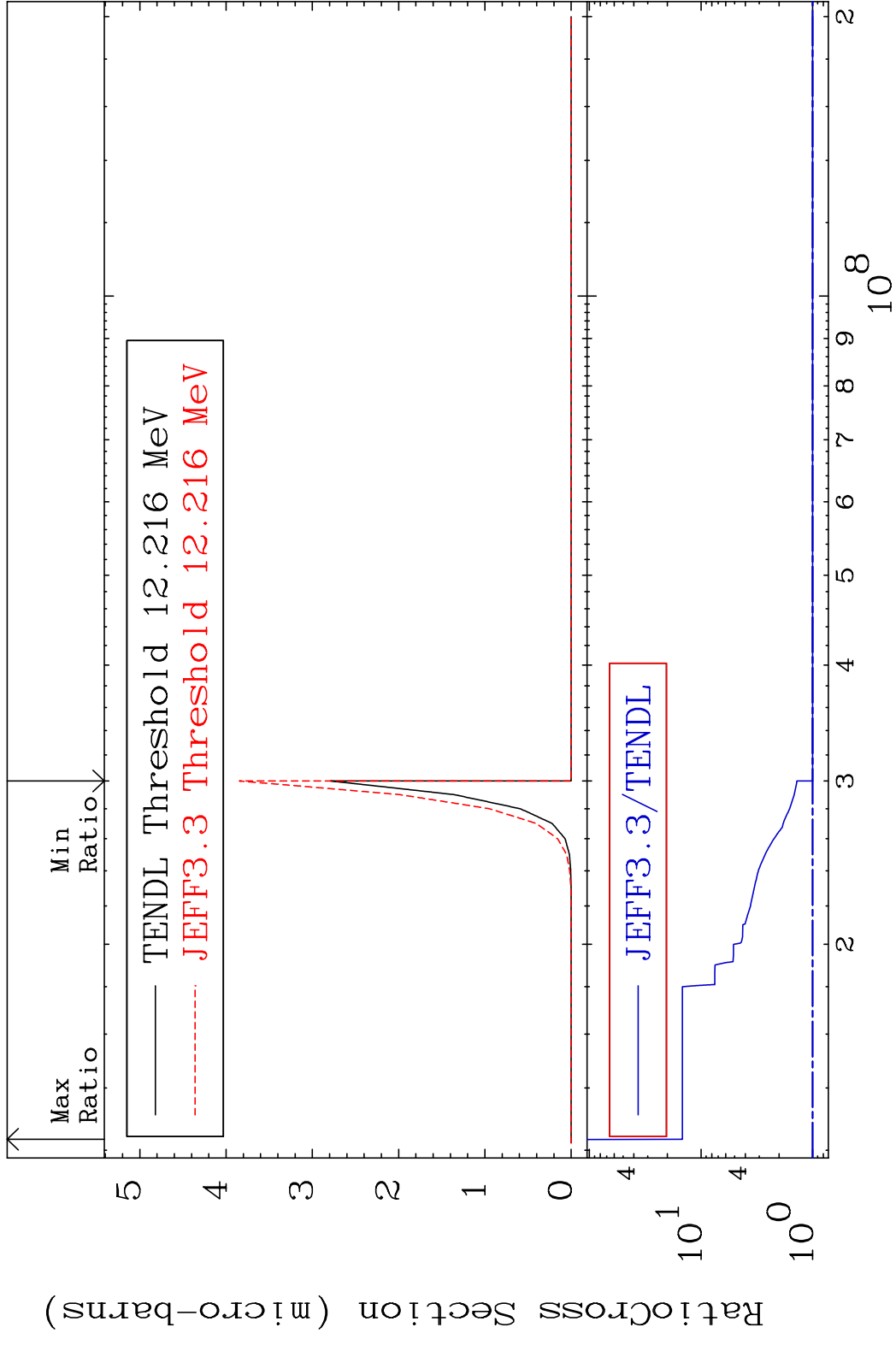




MAT 3825 (n,p) t 38-Sr-84  
 Cross Section -100.0 To 377.3 %



MAT 3825 (n,d)  $\alpha$  38-Sr-84  
 Cross Section 0.000 To 1369. %

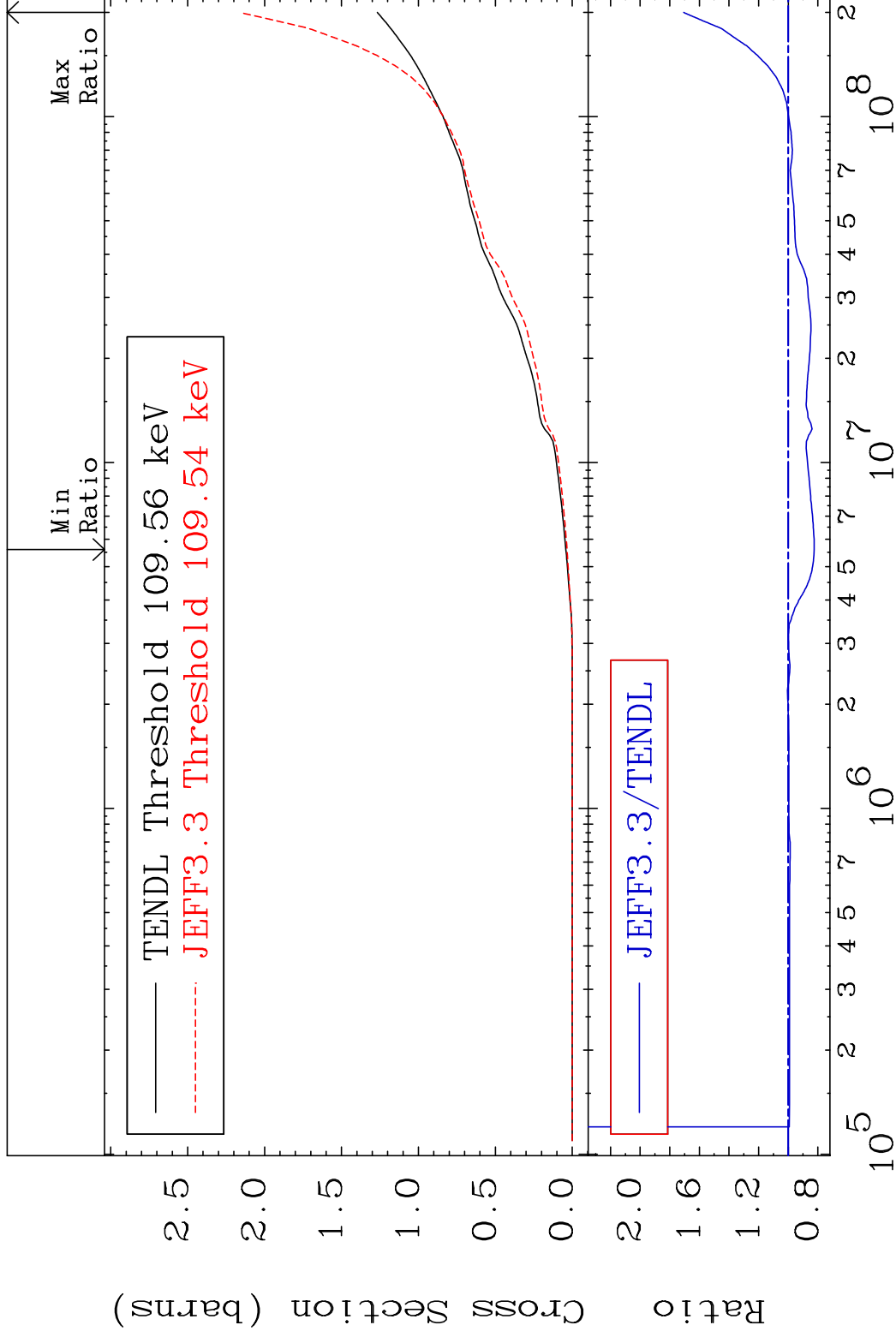


MAT 3825

Hydrogen Production

<sup>38</sup>Sr-84

Cross Section -17.47 To 70.62 %



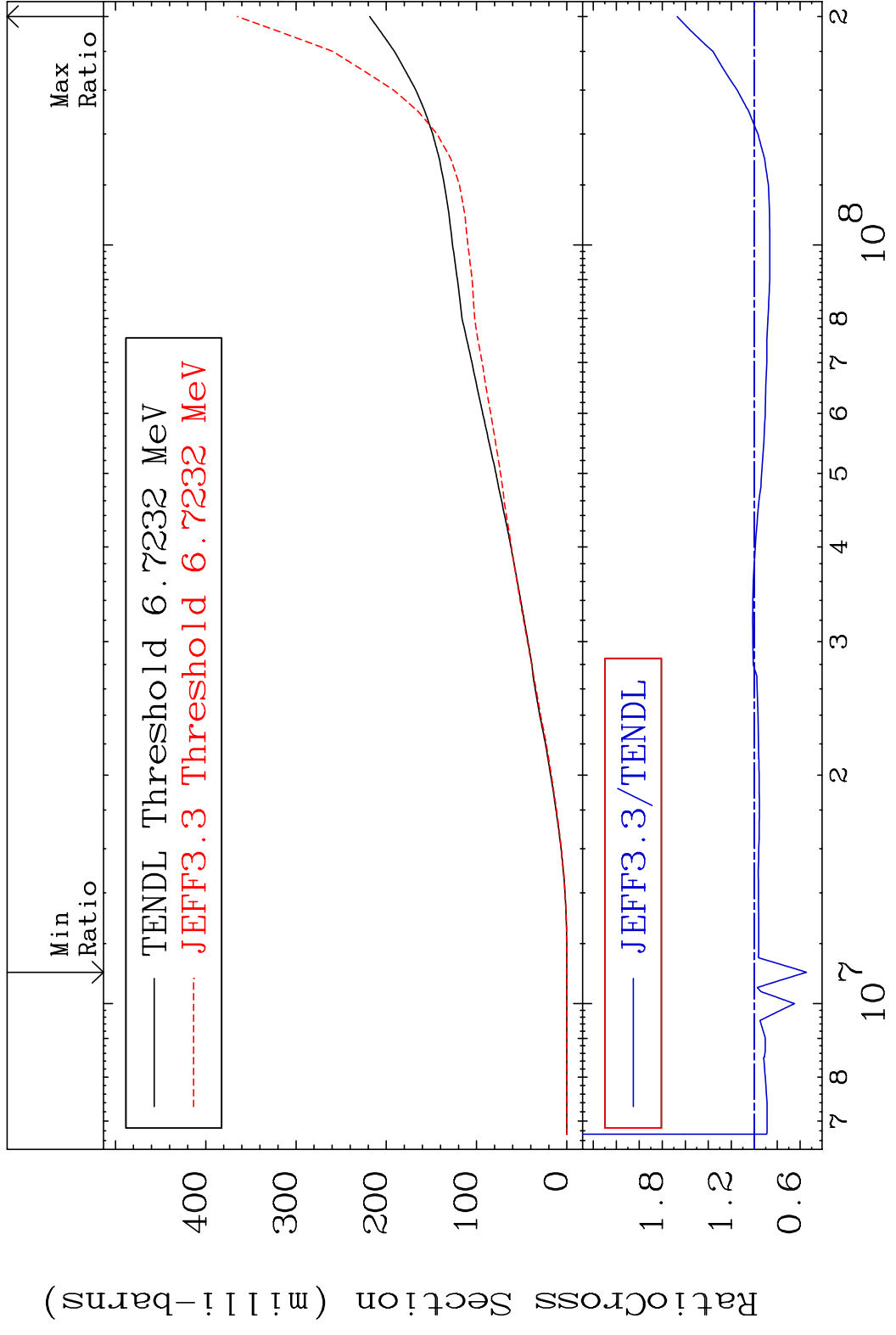
58

Incident Energy (eV)

<sup>38</sup>Sr-84

MAT 3825

Deuterium Production 38-Sr-84  
Cross Section -45.38 To 67.05 %



59

Incident Energy (eV)

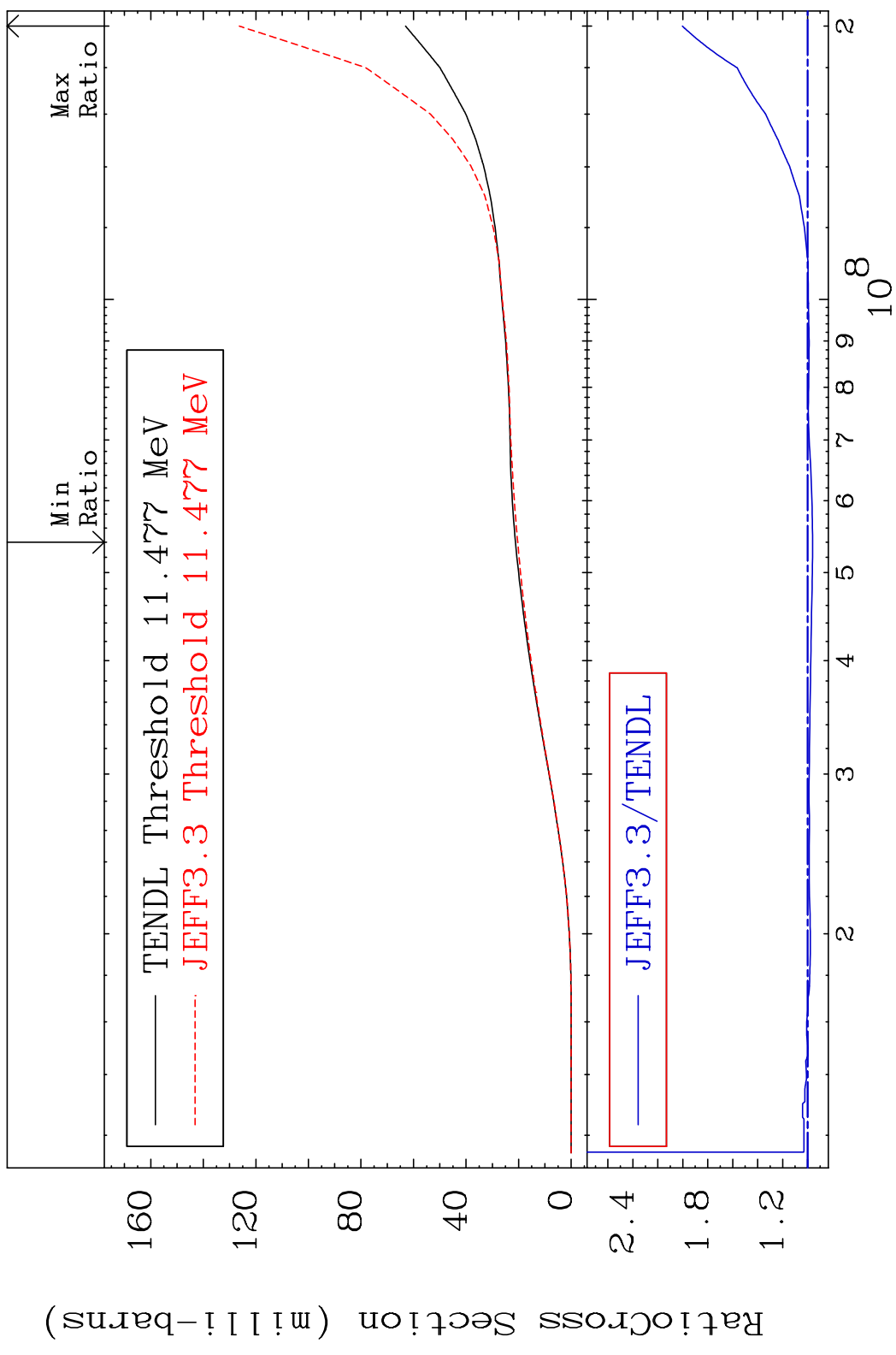
38-Sr-84

MAT 3825

Tritium Production

38-Sr-84

Cross Section -3.961 To 100.3 %

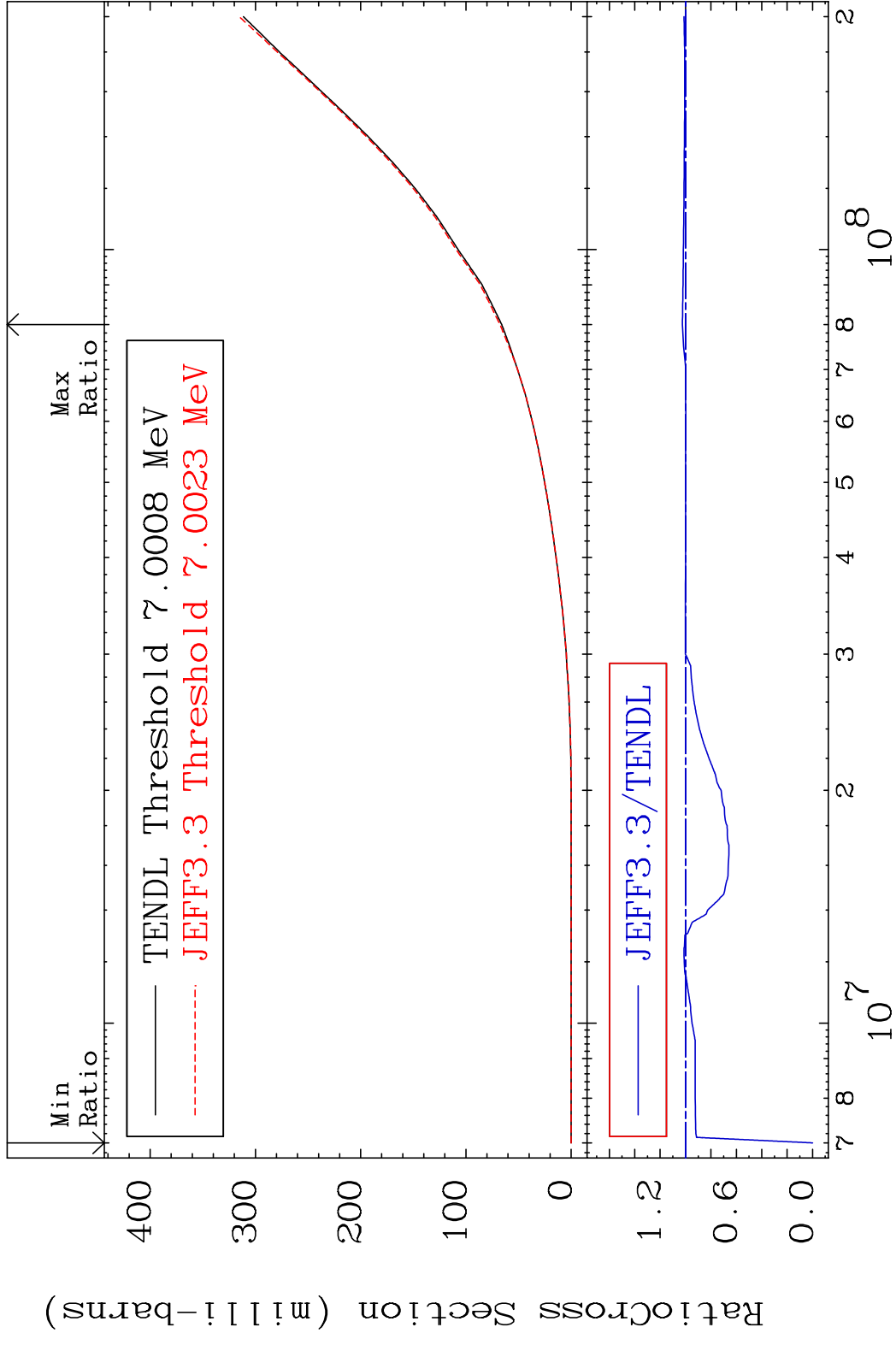


60

Incident Energy (eV)

38-Sr-84

MAT 3825 He-3 Production 38-Sr-84  
 Cross Section -100.0 To 2.519 %

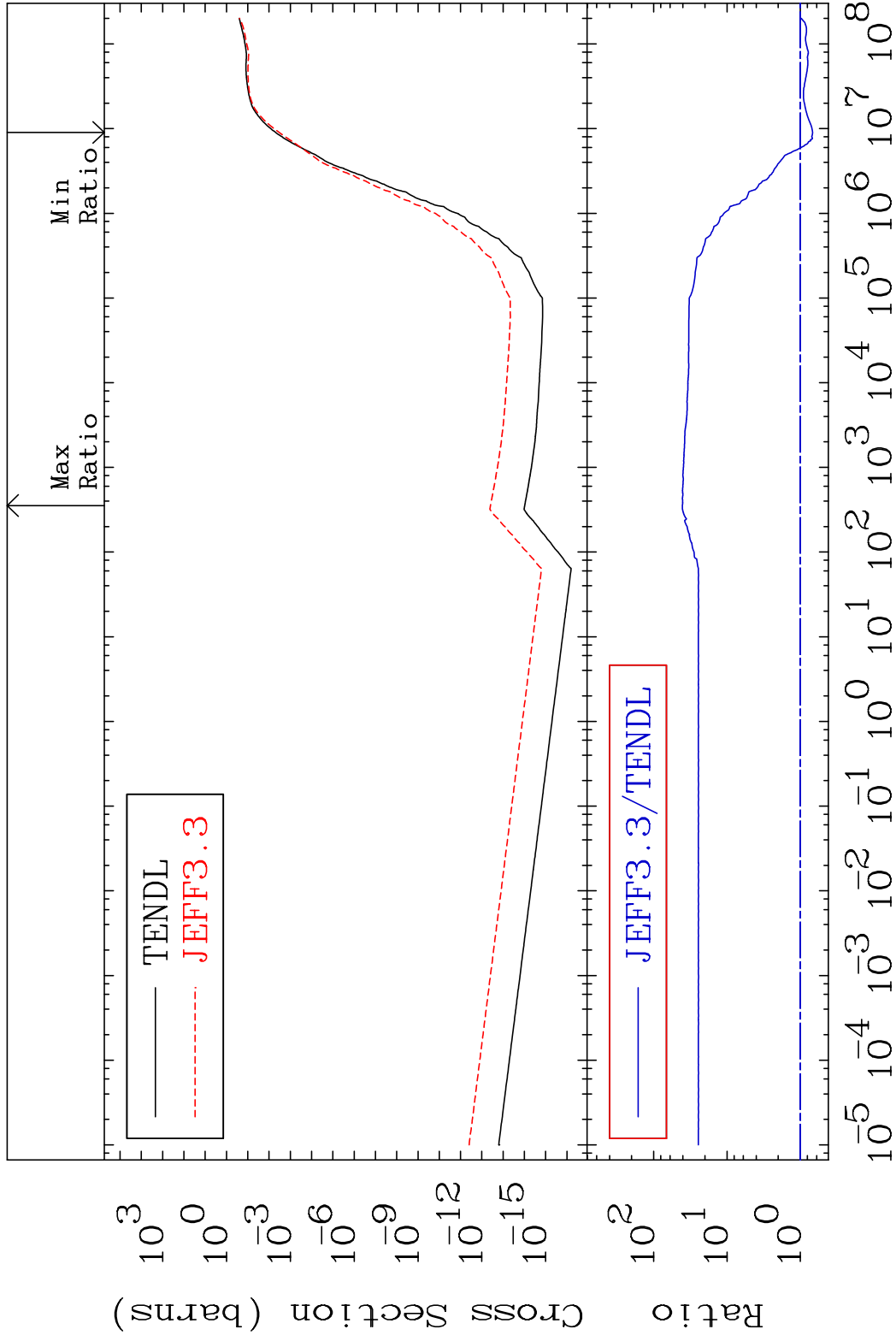


MAT 3825

He-4 Production

38-Sr-84

Cross Section -31.86 To 3967. %

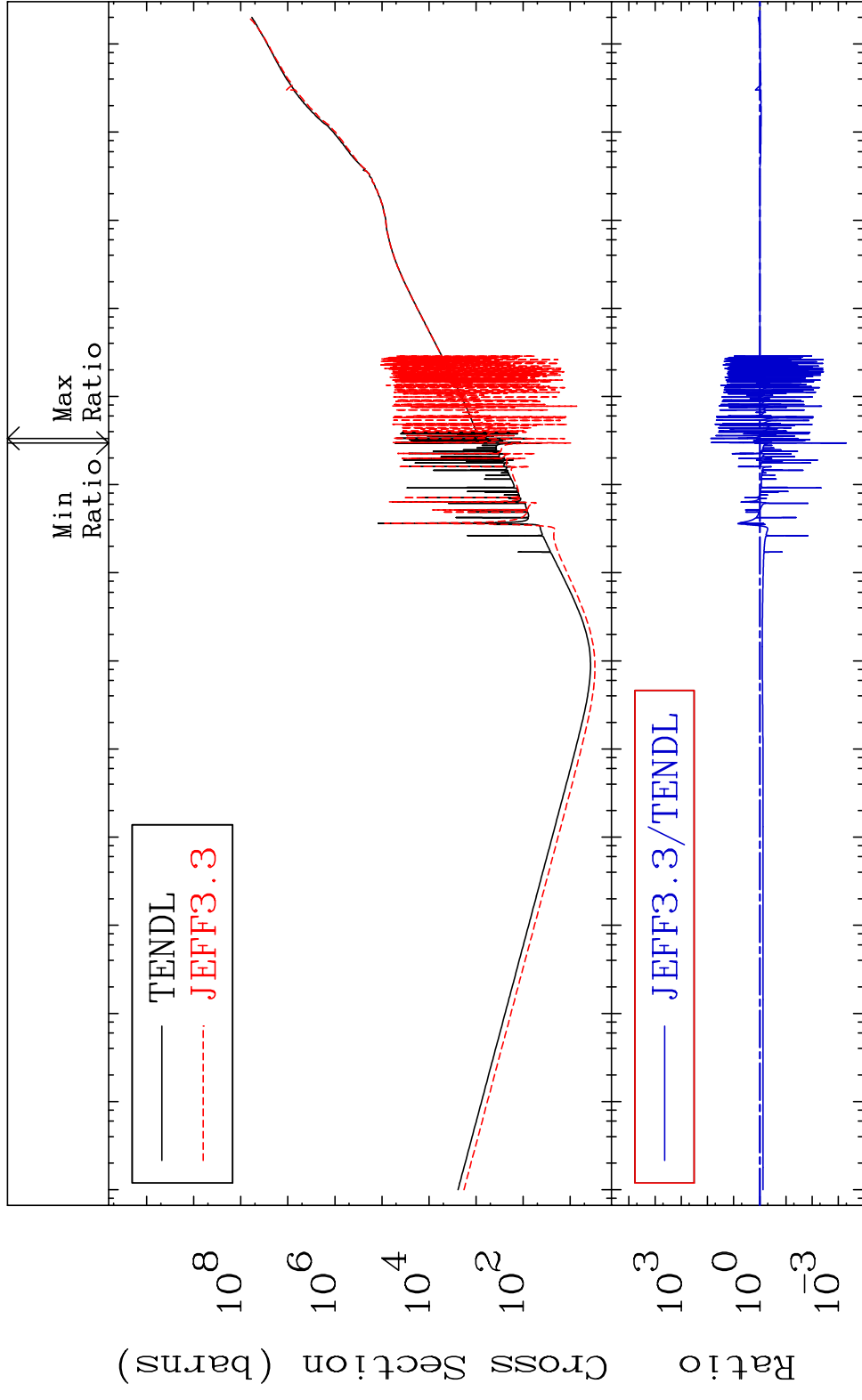


62

Incident Energy (eV)

38-Sr-84

MAT 3825 Kerma total (eV-barns) 38-Sr-84  
 Cross Section -99.95 To 7404. %

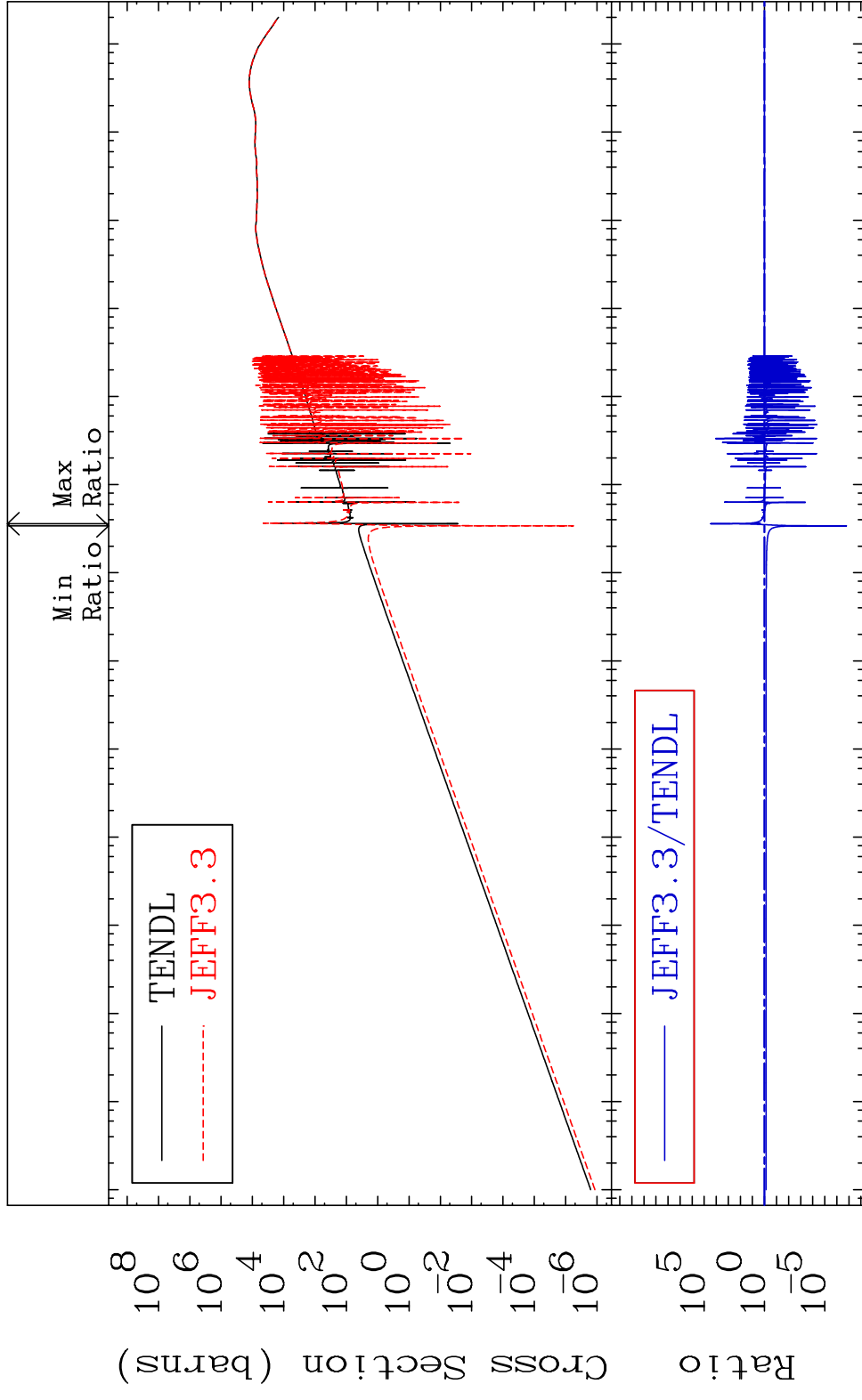


63 Incident Energy (eV) 38-Sr-84



MAT 3825

Kerma elastic  
Cross Section -100.0 To 9999. %  
38-Sr-84

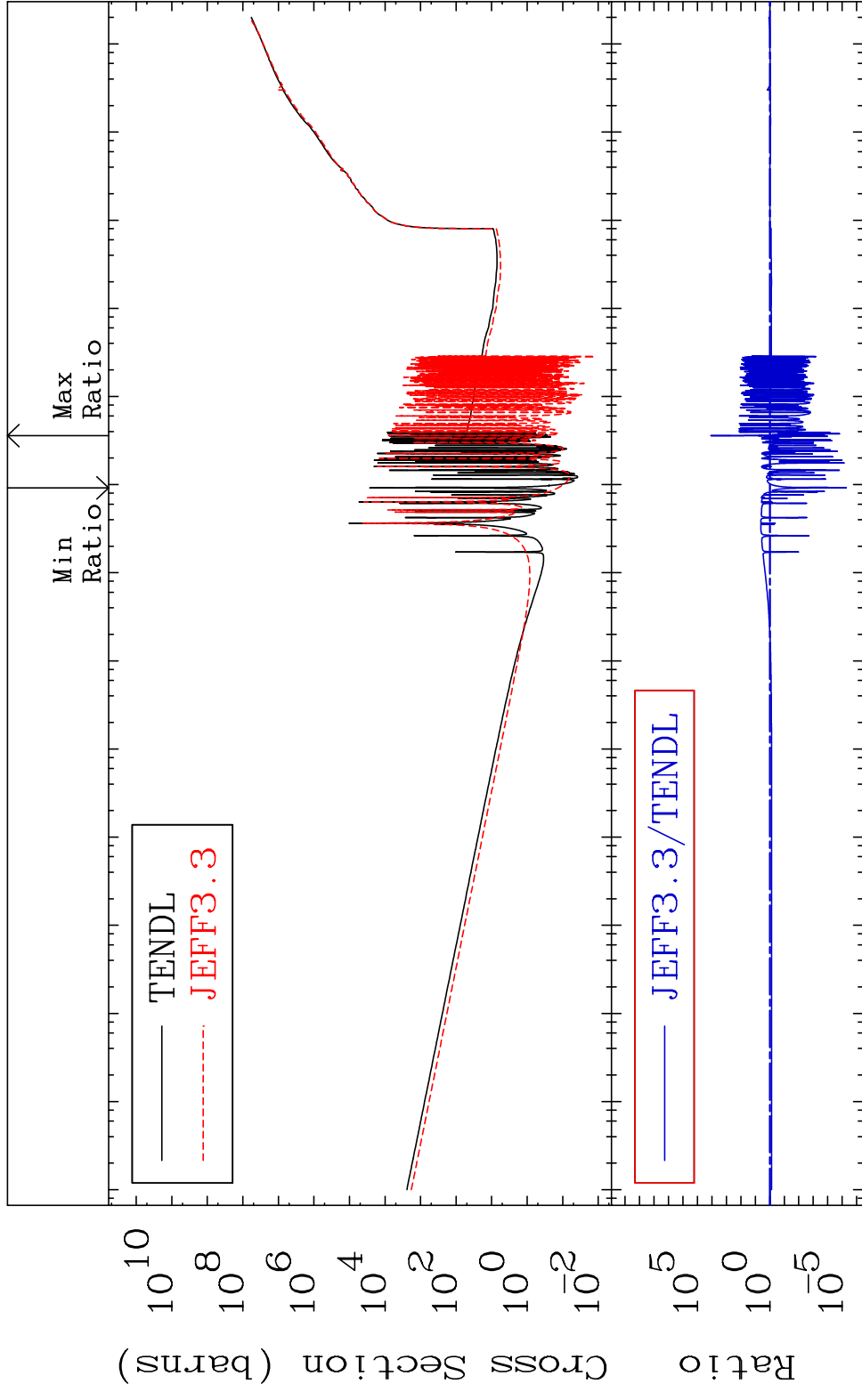


64

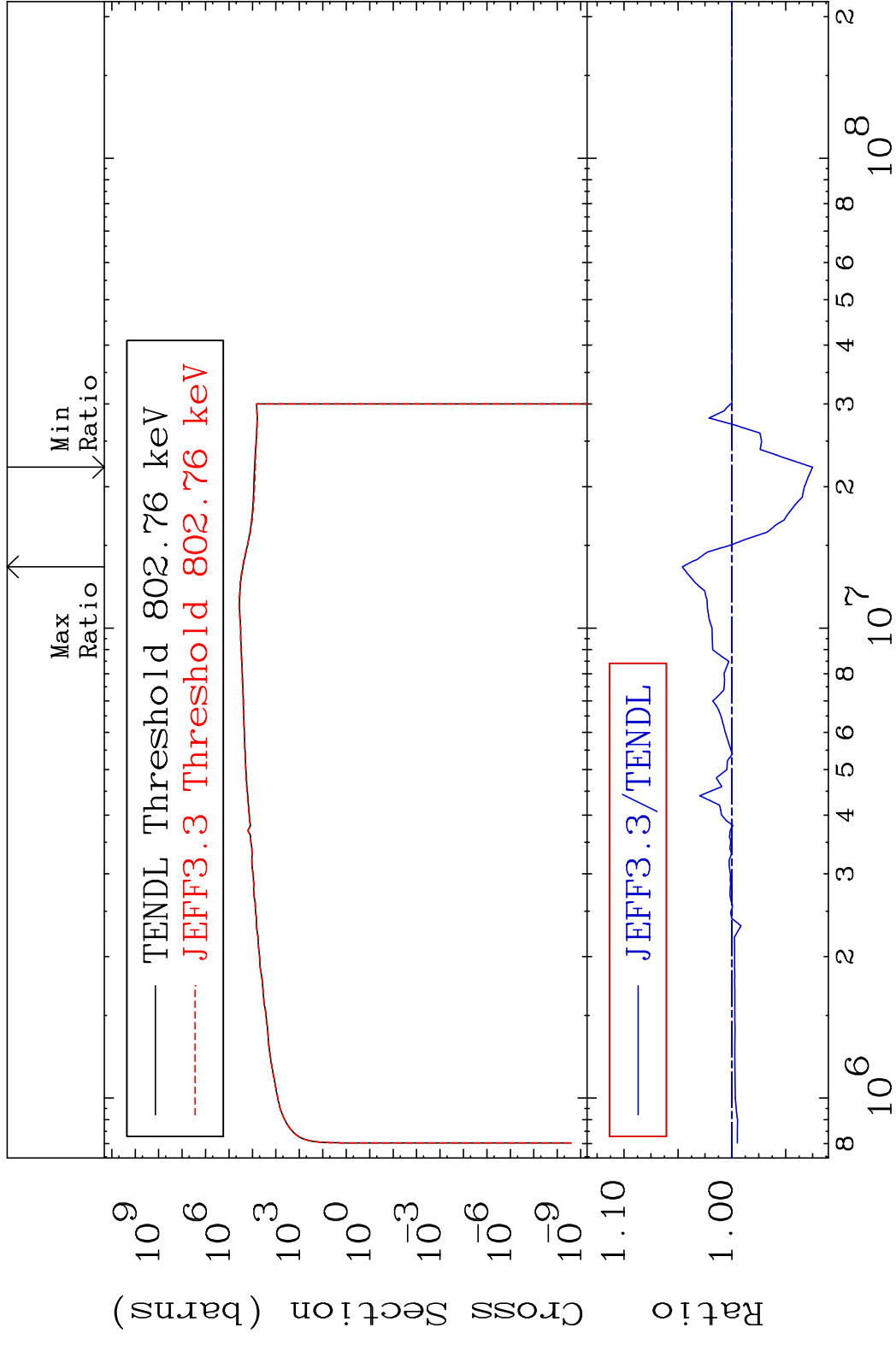
Incident Energy (eV)

38-Sr-84

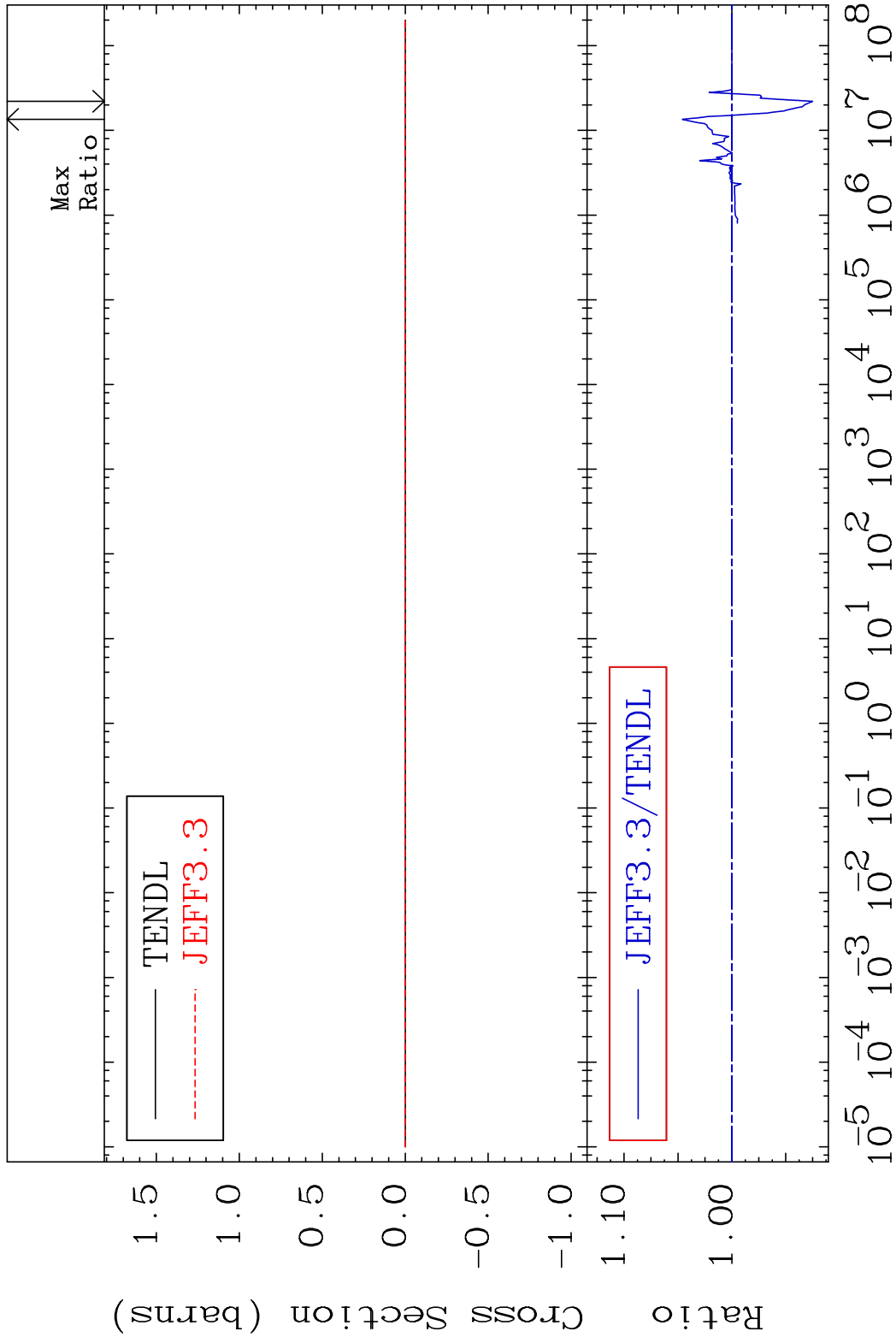
MAT 3825 Kerma non-elastic (all but mt2) 38-Sr-84  
 Cross Section -100.0 To 9999. %



MAT 3825 Kerma inelastic (mt51-91) 38-Sr-84  
 Cross Section -7.487 To 4.591 %



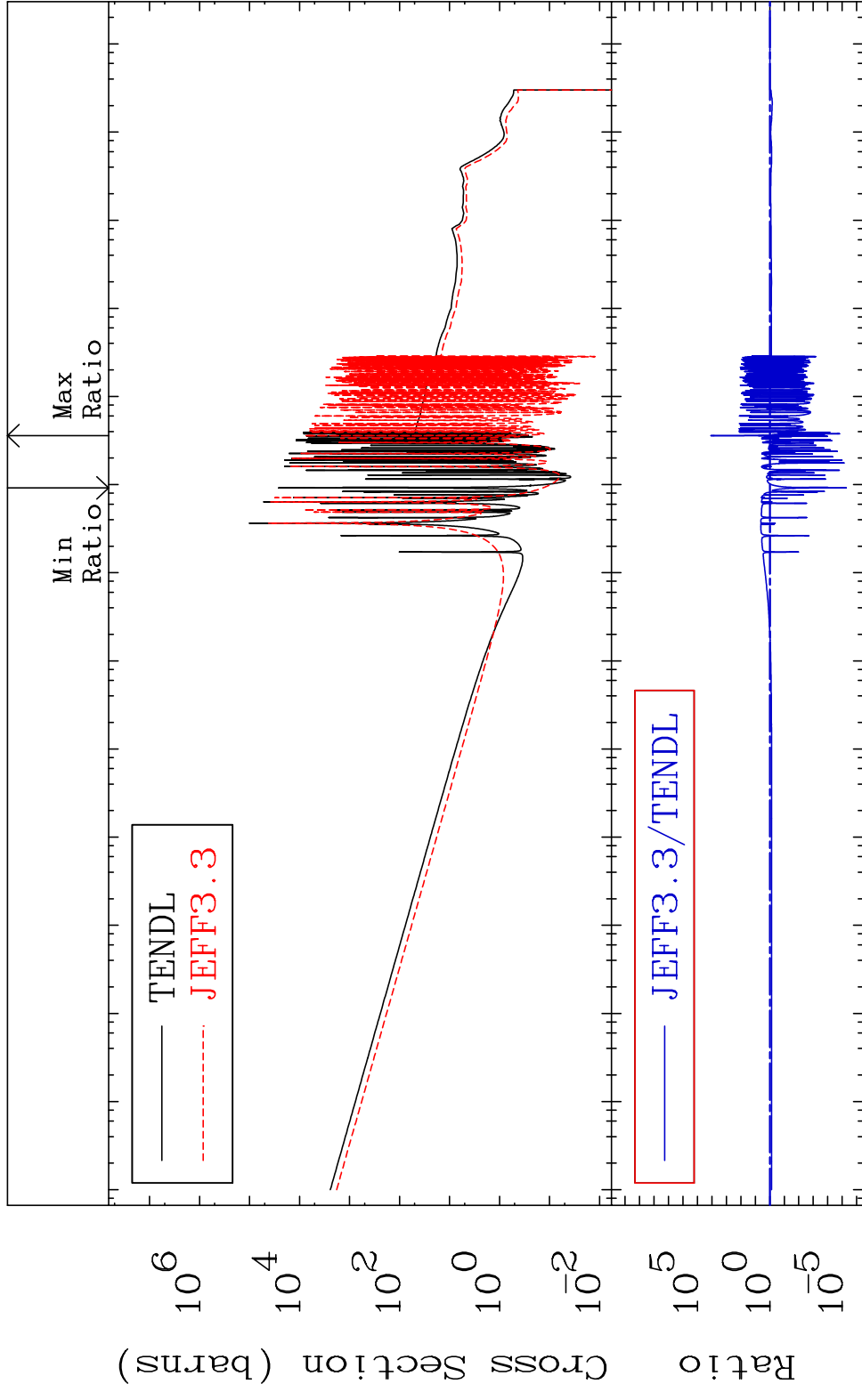
MAT 3825 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-84  
 Cross Section -7.487 To 4.591 %



MAT 3825

Kerma capture (mt102) 38-Sr-84

Cross Section -100.0 To 9999. %

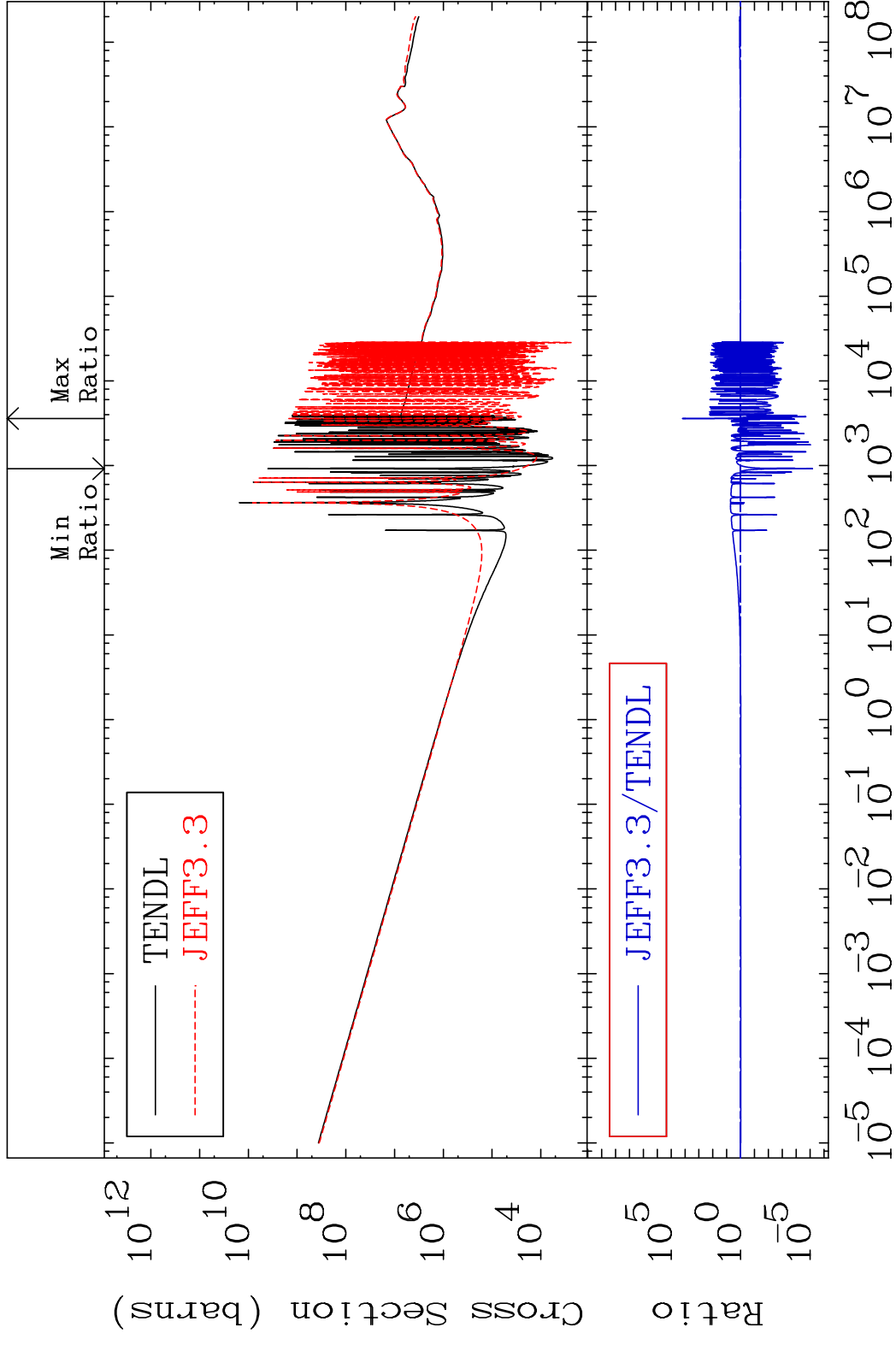


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Incident Energy (eV)

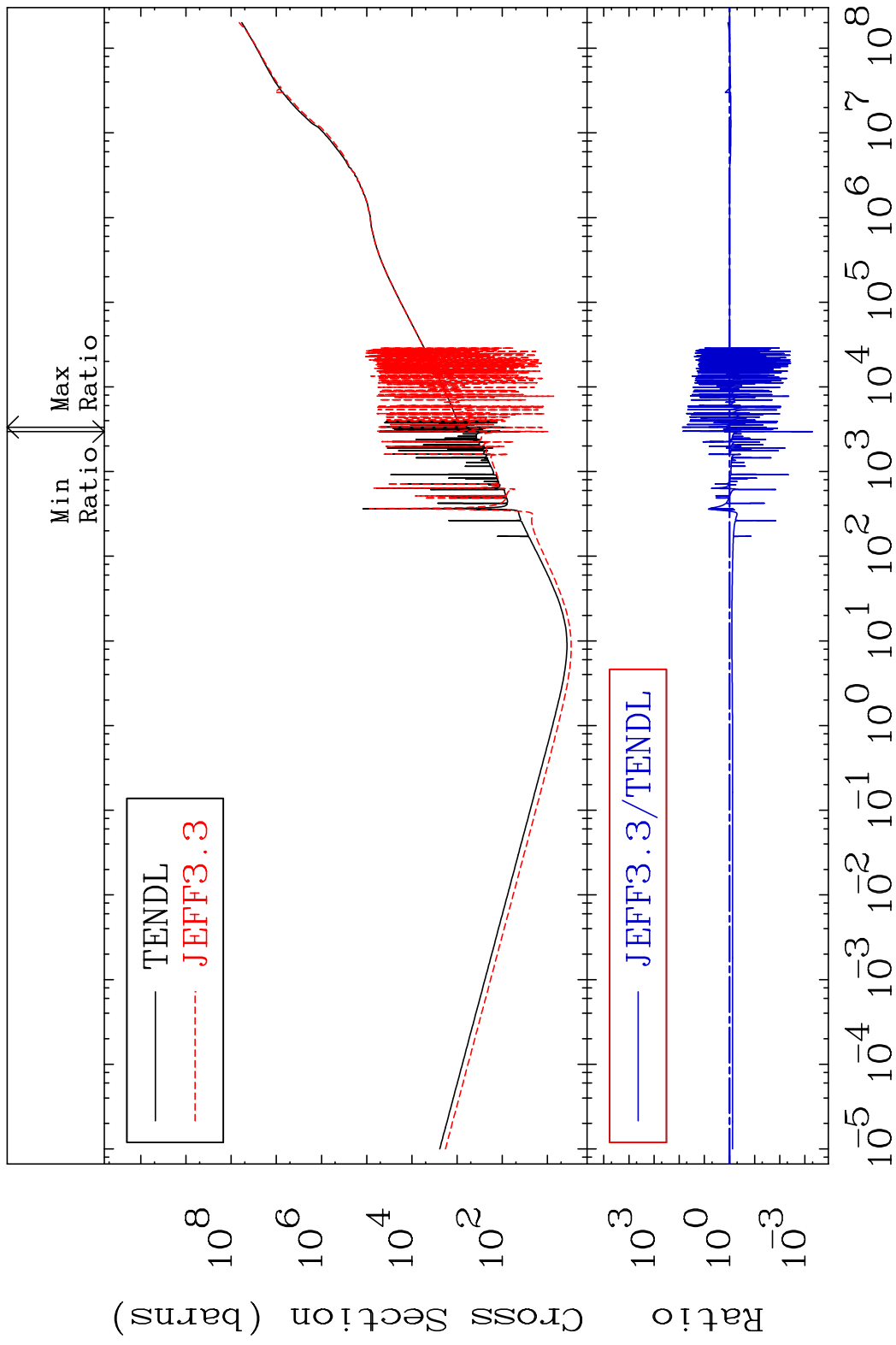
38-Sr-84

MAT 3825 Total photon (eV-barns) 38-Sr-84  
Cross Section -100.0 To 9999. %



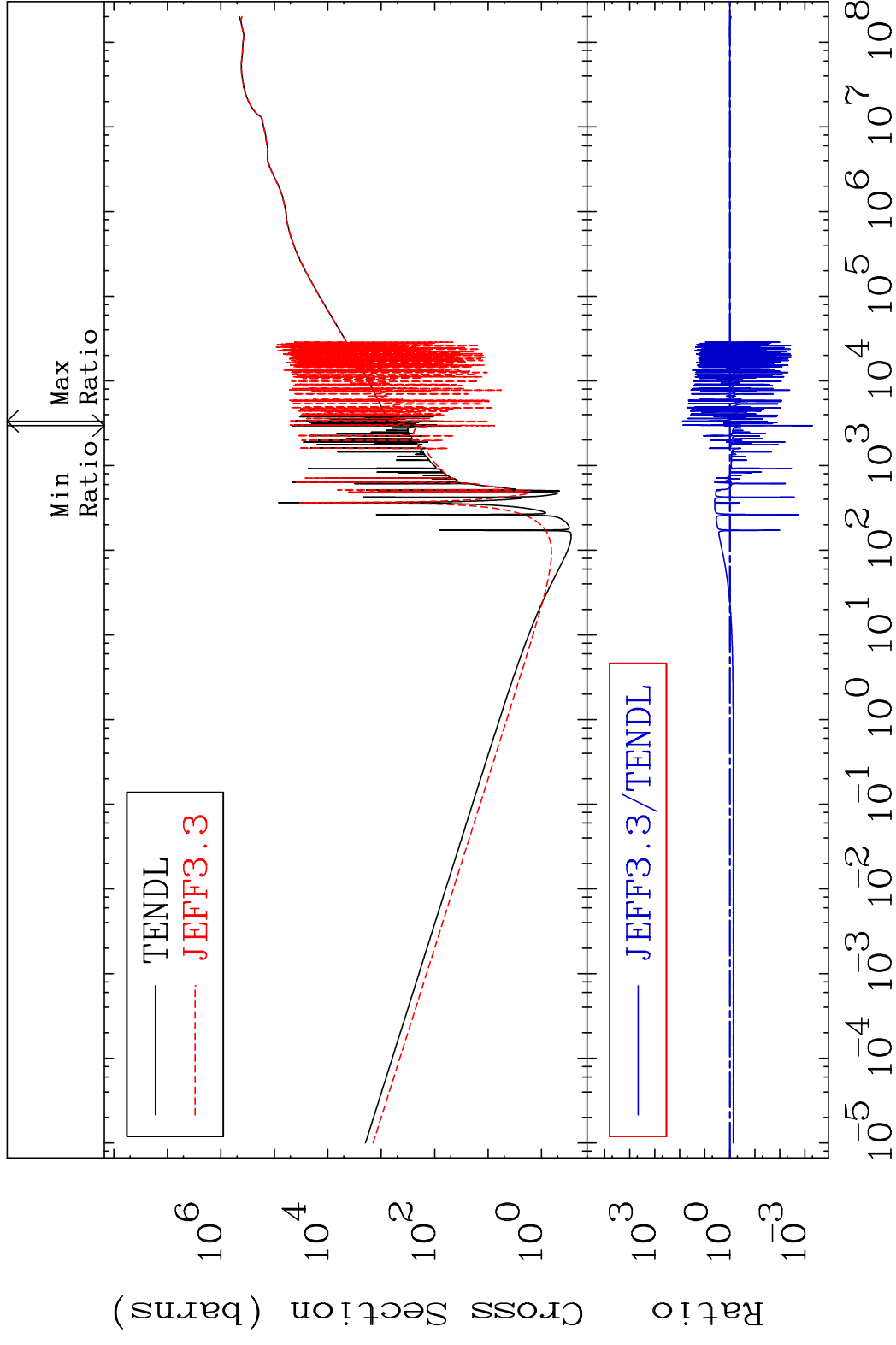
69 Incident Energy (eV) 38-Sr-84

MAT 3825 Total kinematic kerma (high limit) 38-Sr-84  
 Cross Section -99.95 To 7404. %



70 Incident Energy (eV) 38-Sr-84

MAT 3825      Dpa total (eV-barns)      38-Sr-84  
 Cross Section      -99.95 To 7770. %



71      Incident Energy (eV)      38-Sr-84

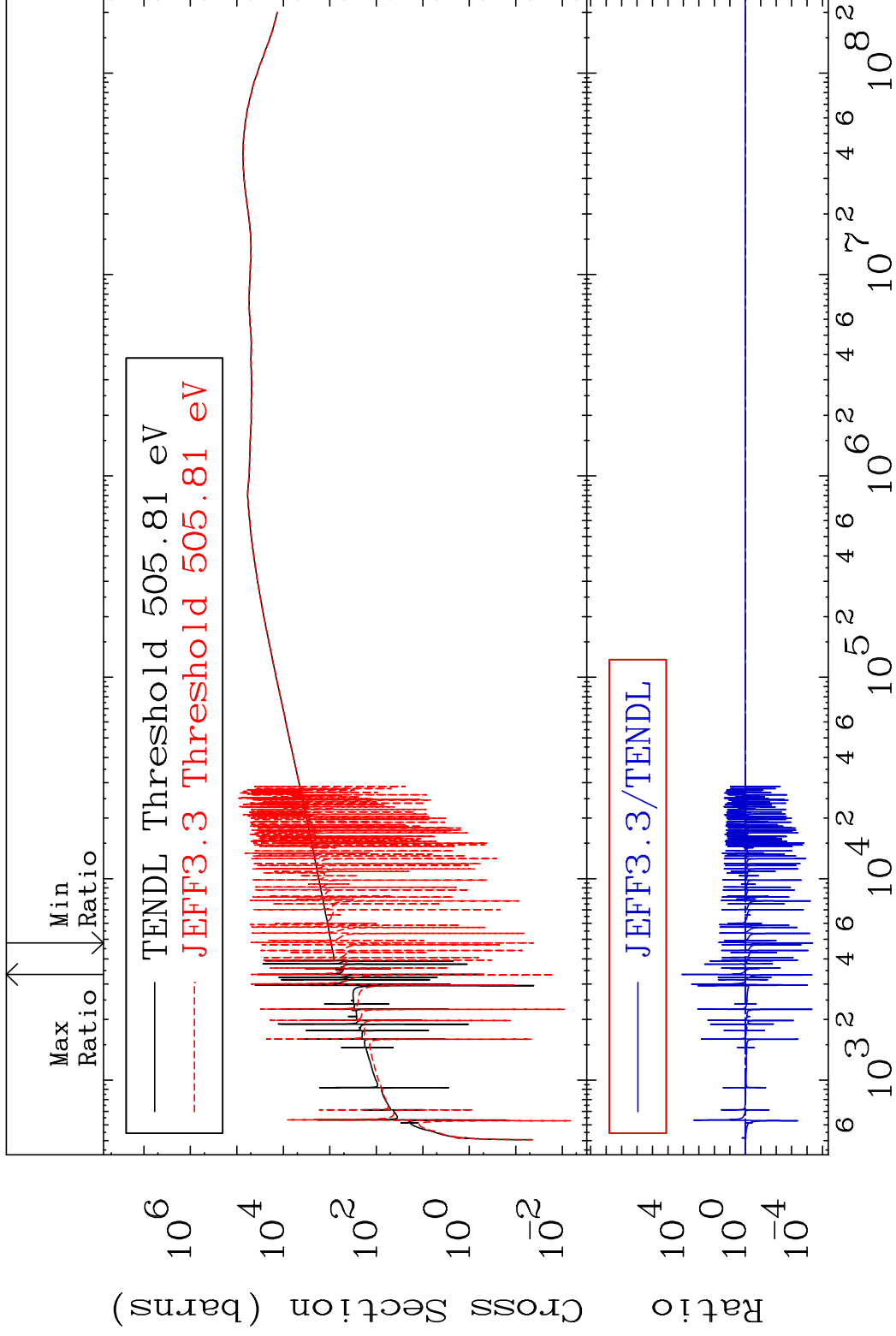


MAT 3825

Dpa elastic (mt2)

38-Sr-84

Cross Section -100.0 To 9999. %

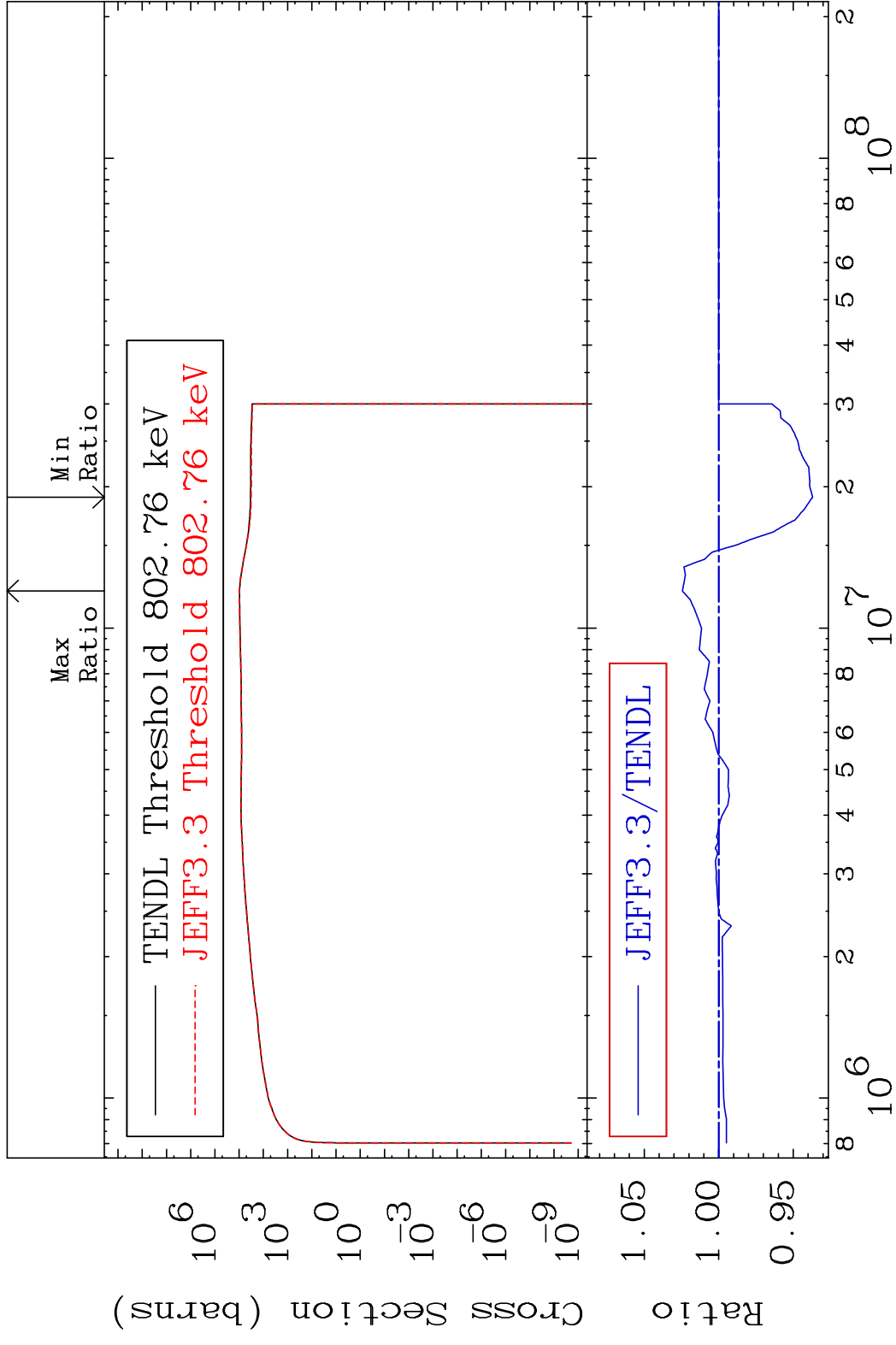


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Incident Energy (eV)

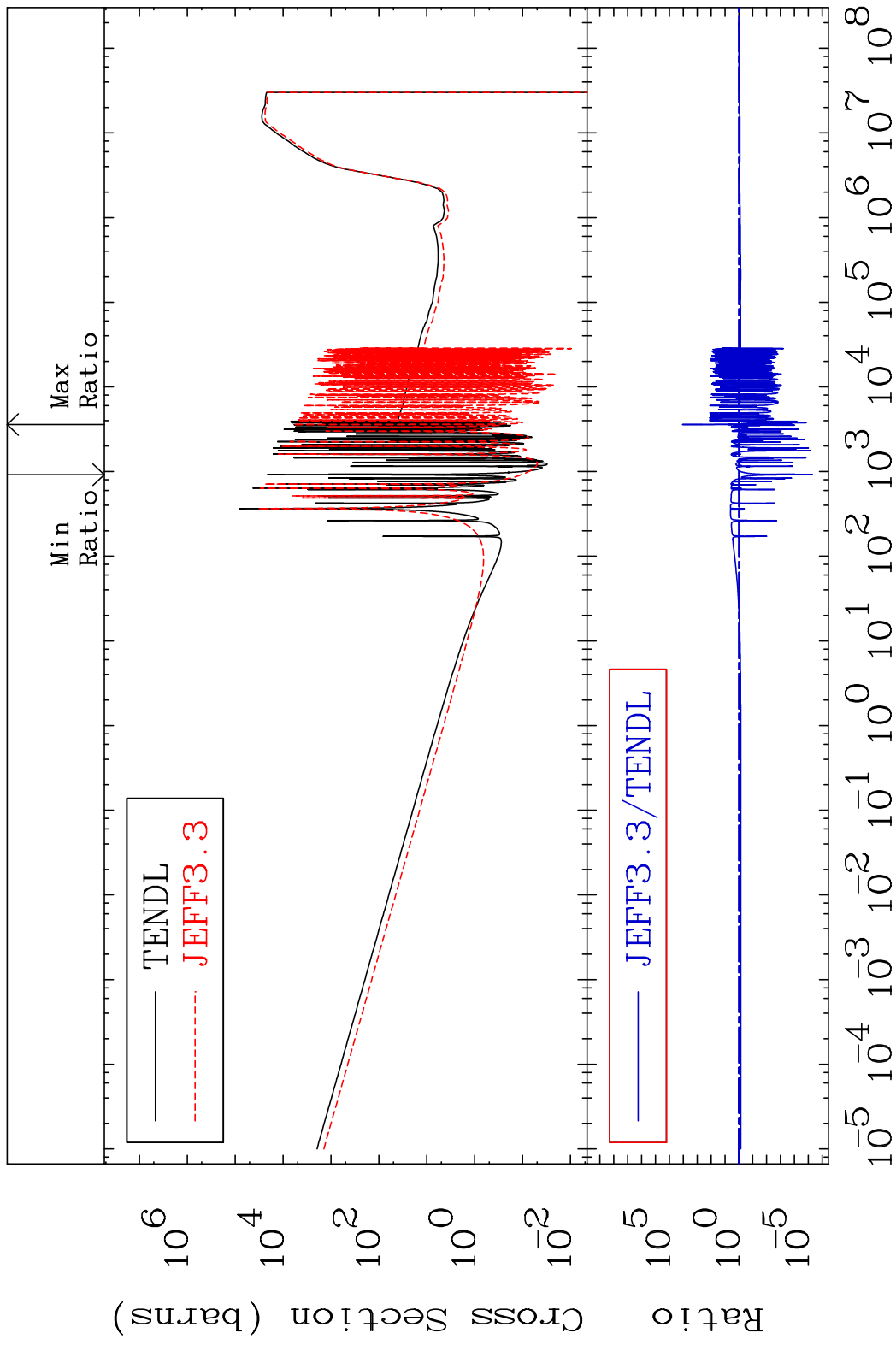
38-Sr-84

MAT 3825 Dpa inelastic (mt51-91) 38-Sr-84  
 Cross Section -6.297 To 2.441 %

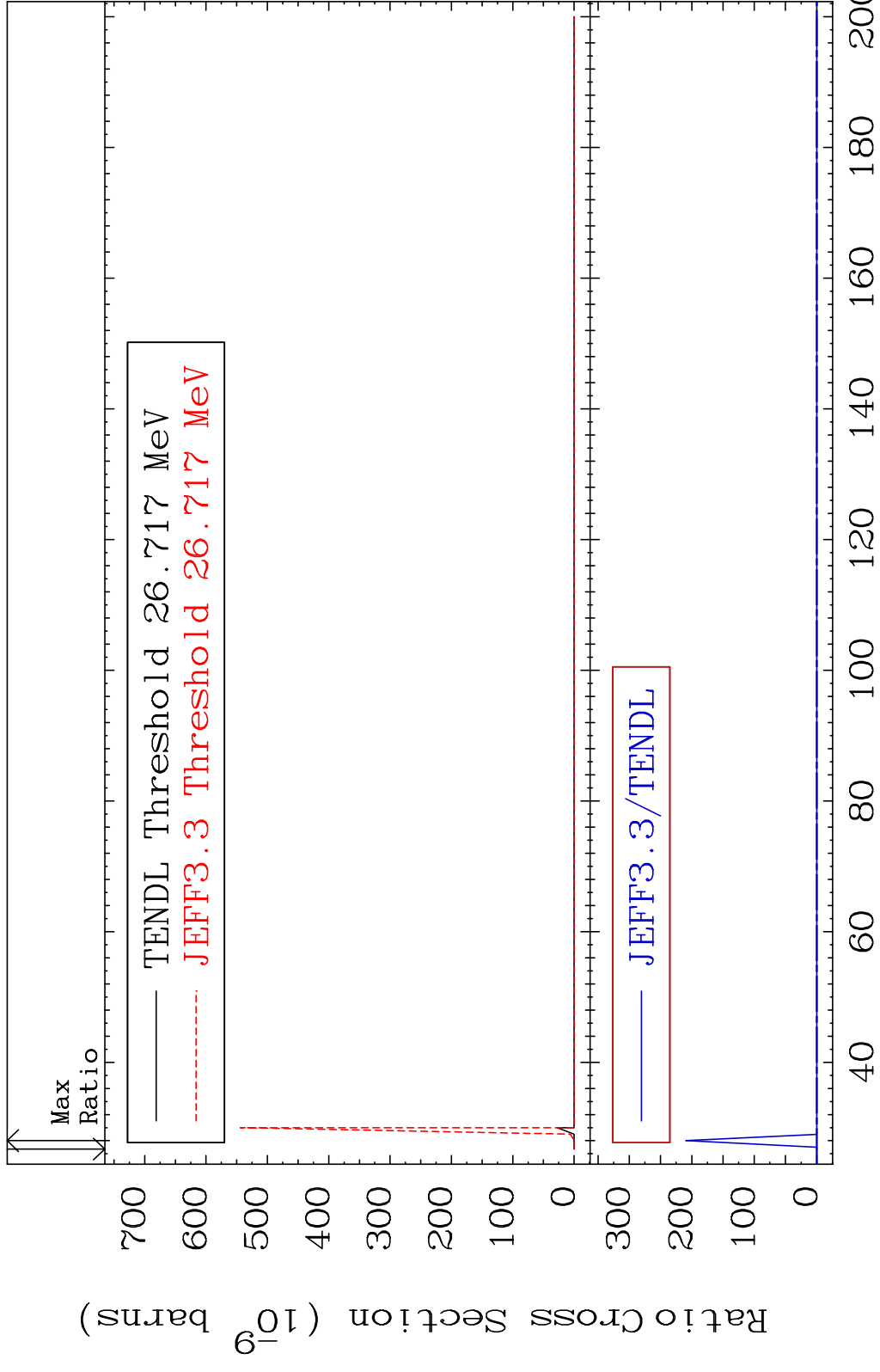


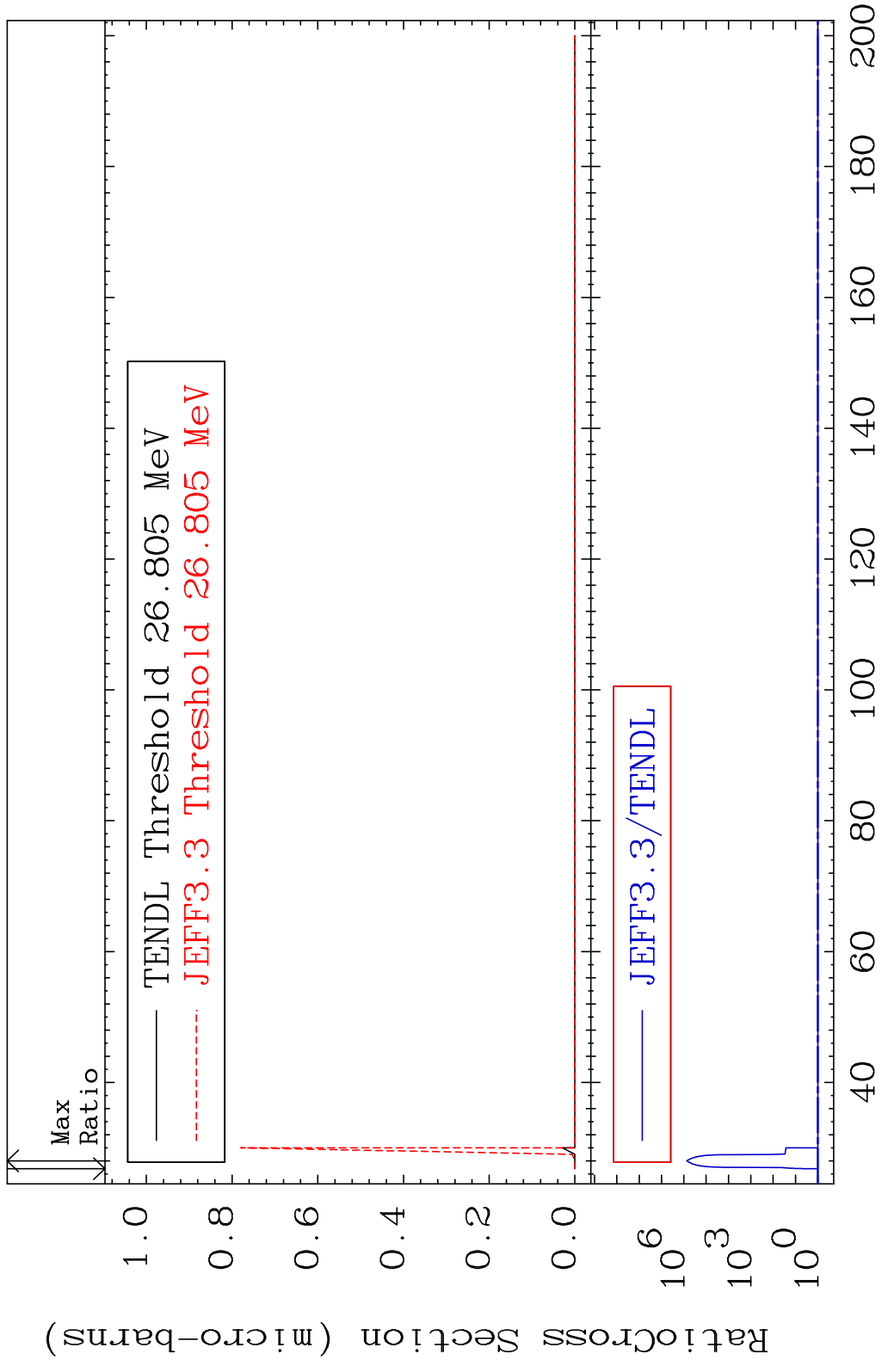
73 Incident Energy (eV) 38-Sr-84

MAT 3825 Dpa disappearance (mt102 -120) 38-Sr-84  
 Cross Section -100.0 To 9999. %

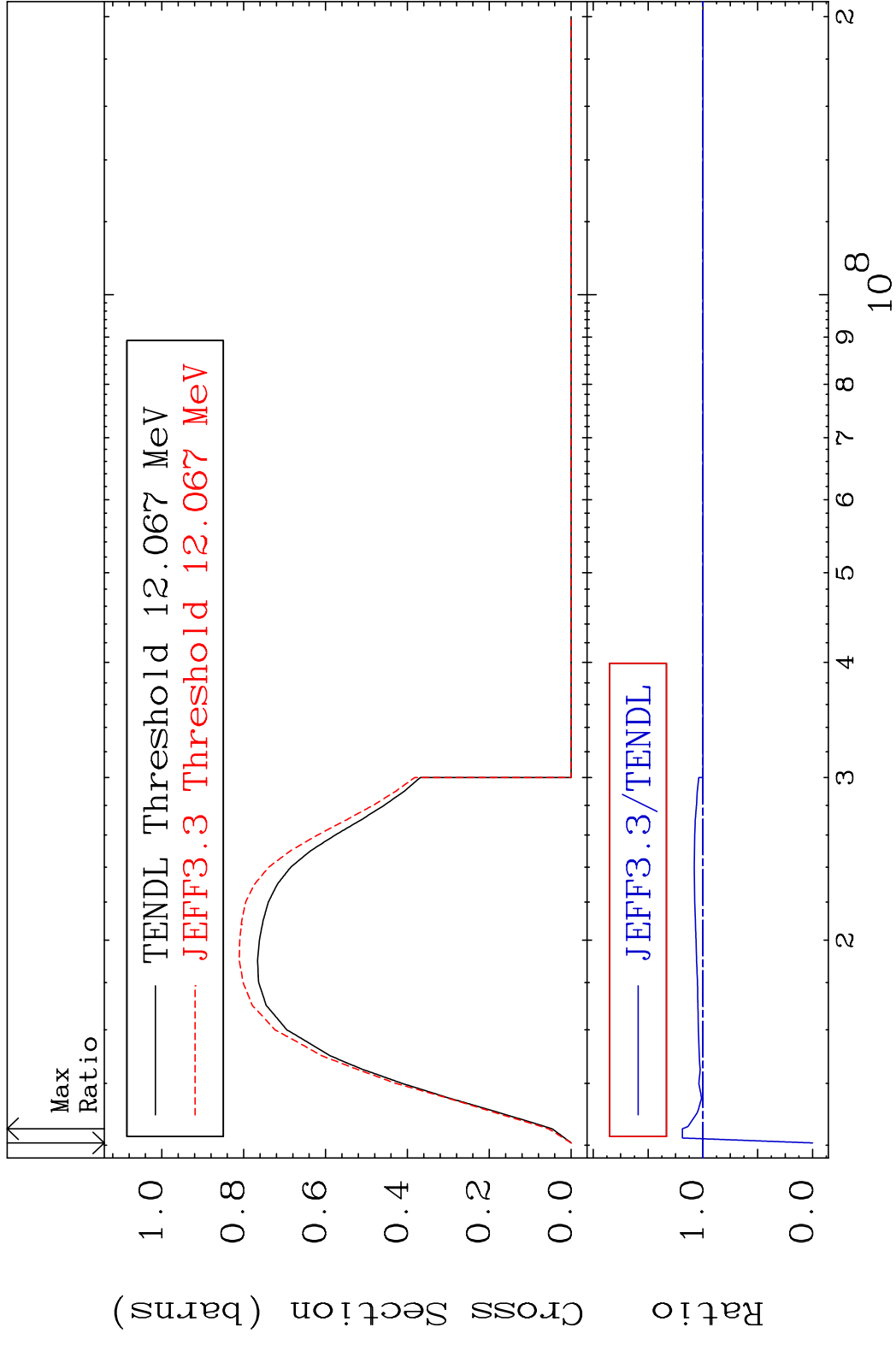


MAT 3825 (n,2n) d:37-Rb-81g 38-Sr-84  
 Radionuclide Production Cross Section Ratio 9999. %

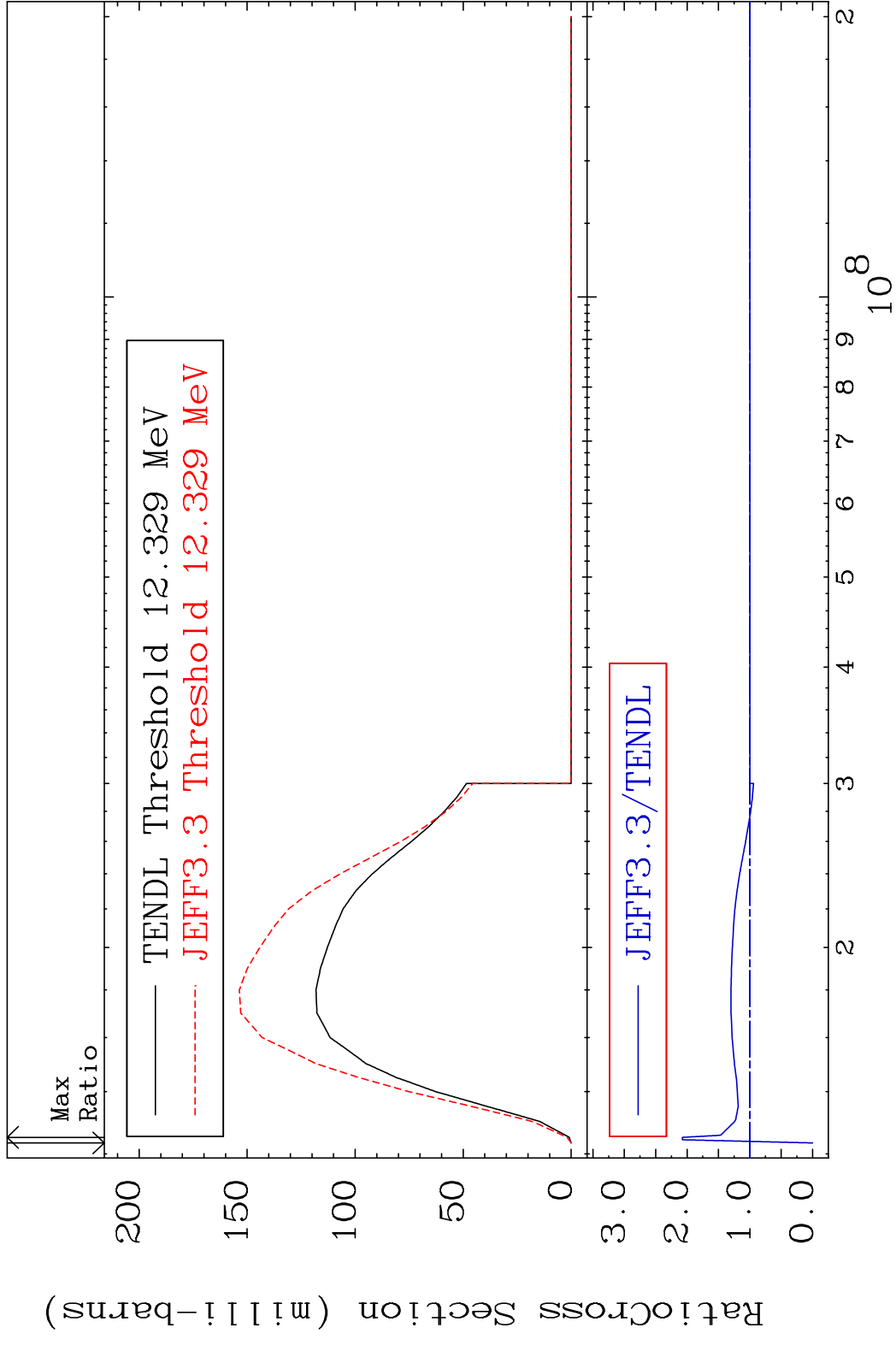


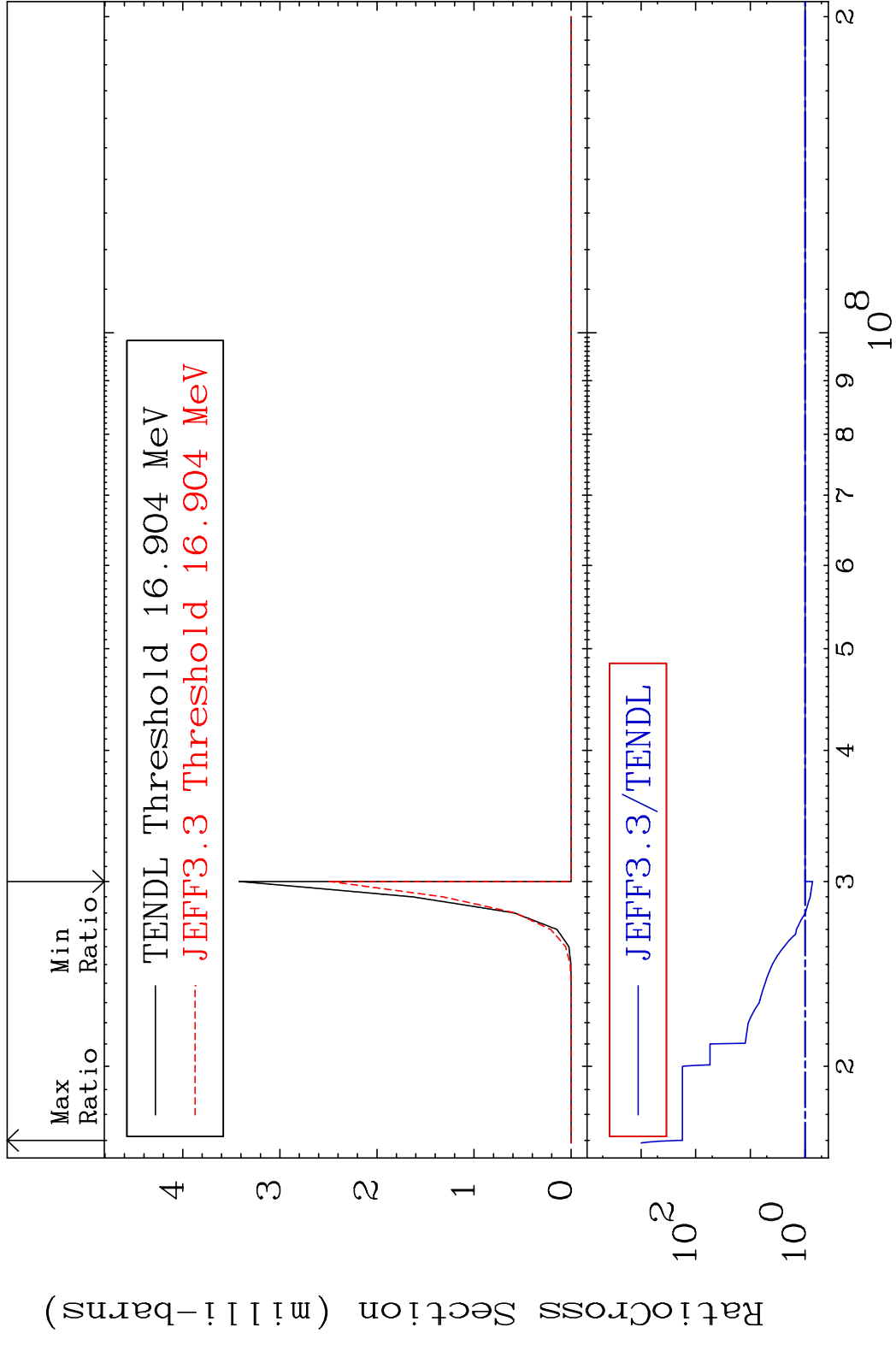


MAT 3825 (n,2n):38-Sr-83g 38-Sr-84  
 Radionuclide Production Cross Section Ratio 18.75 %



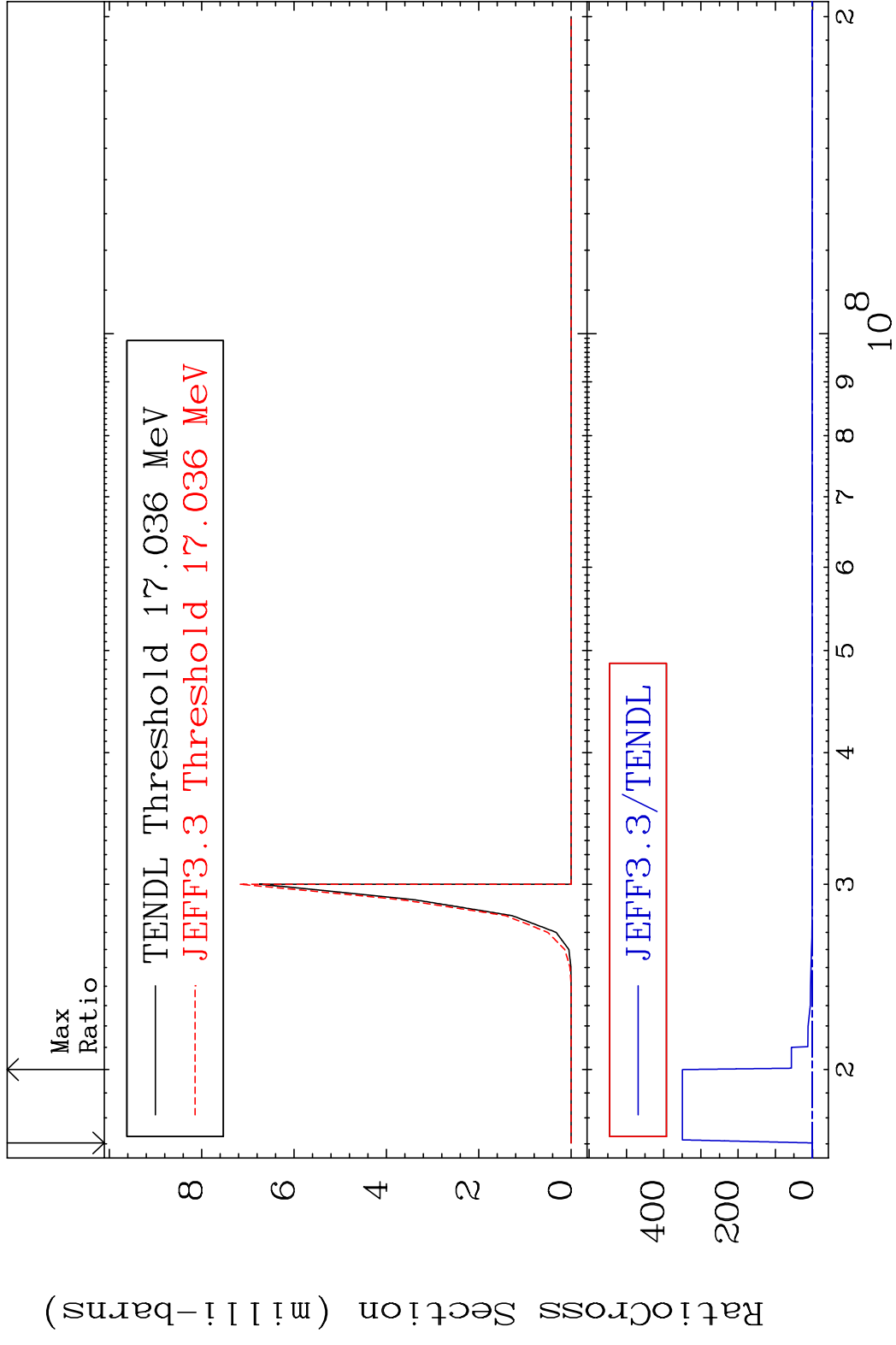
MAT 3825 (n,2n):38-Sr-83m2 38-Sr-84  
 Radionuclide Production Cross Section 100.0 dth 107.5 %



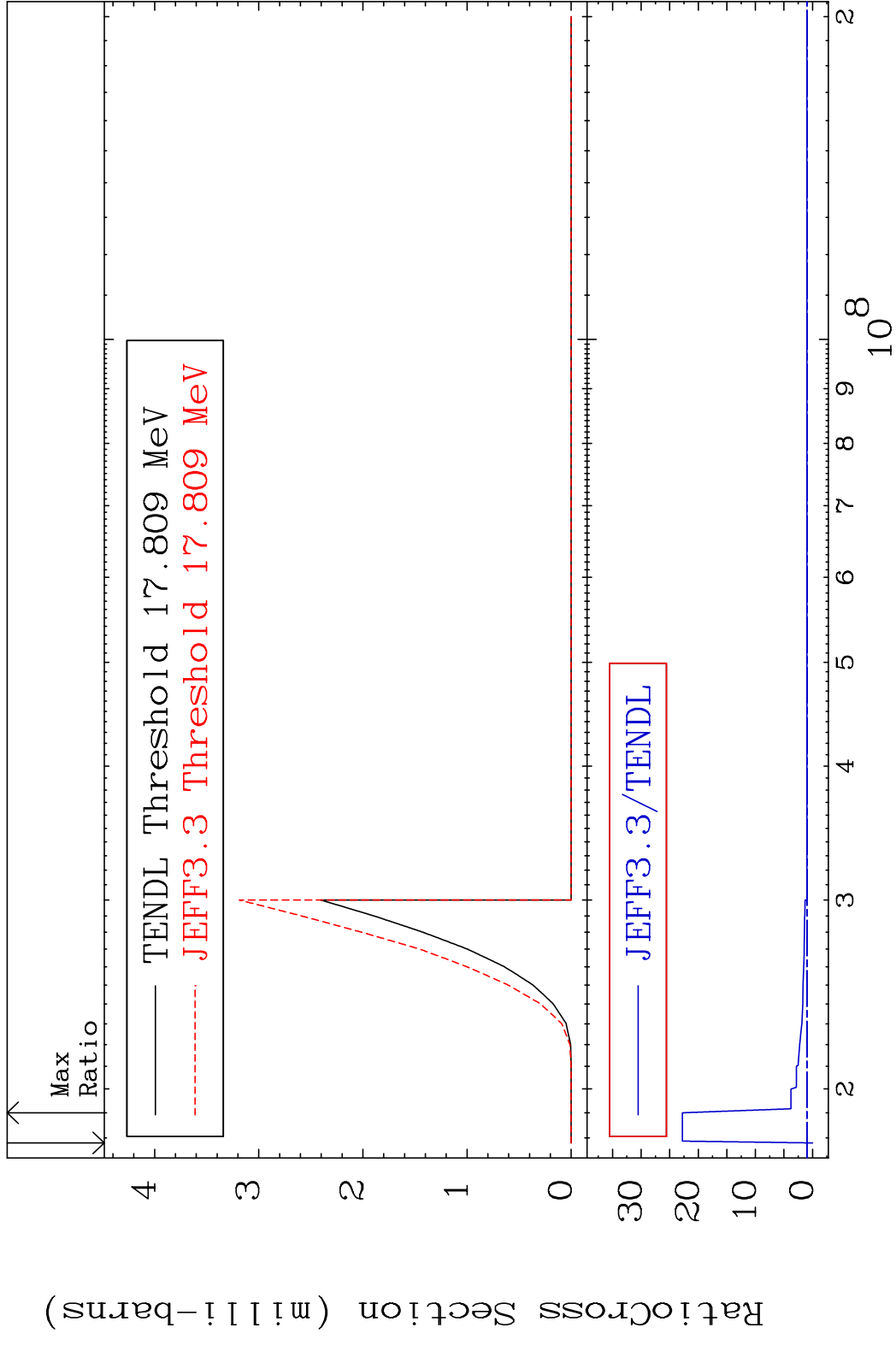


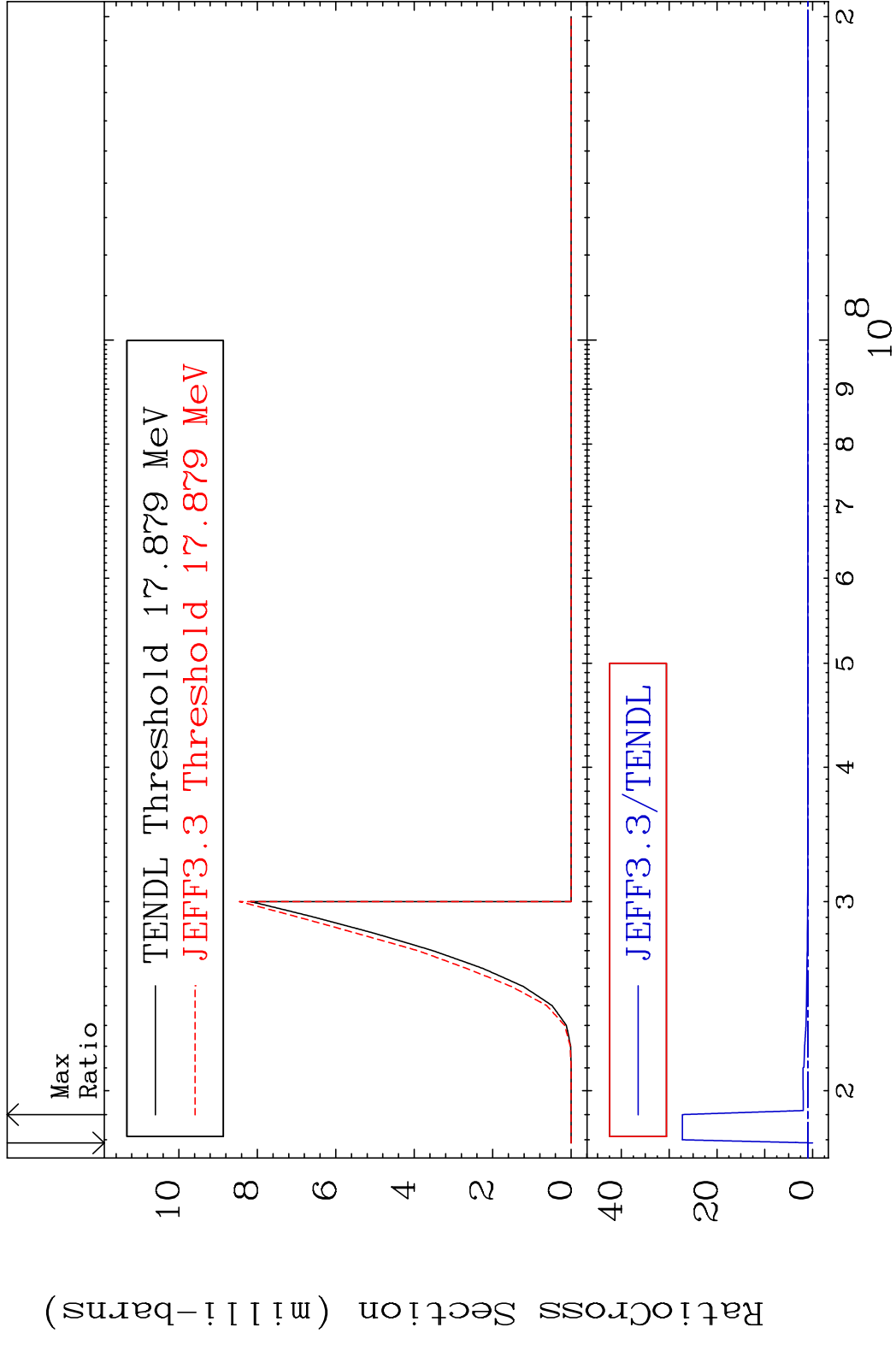


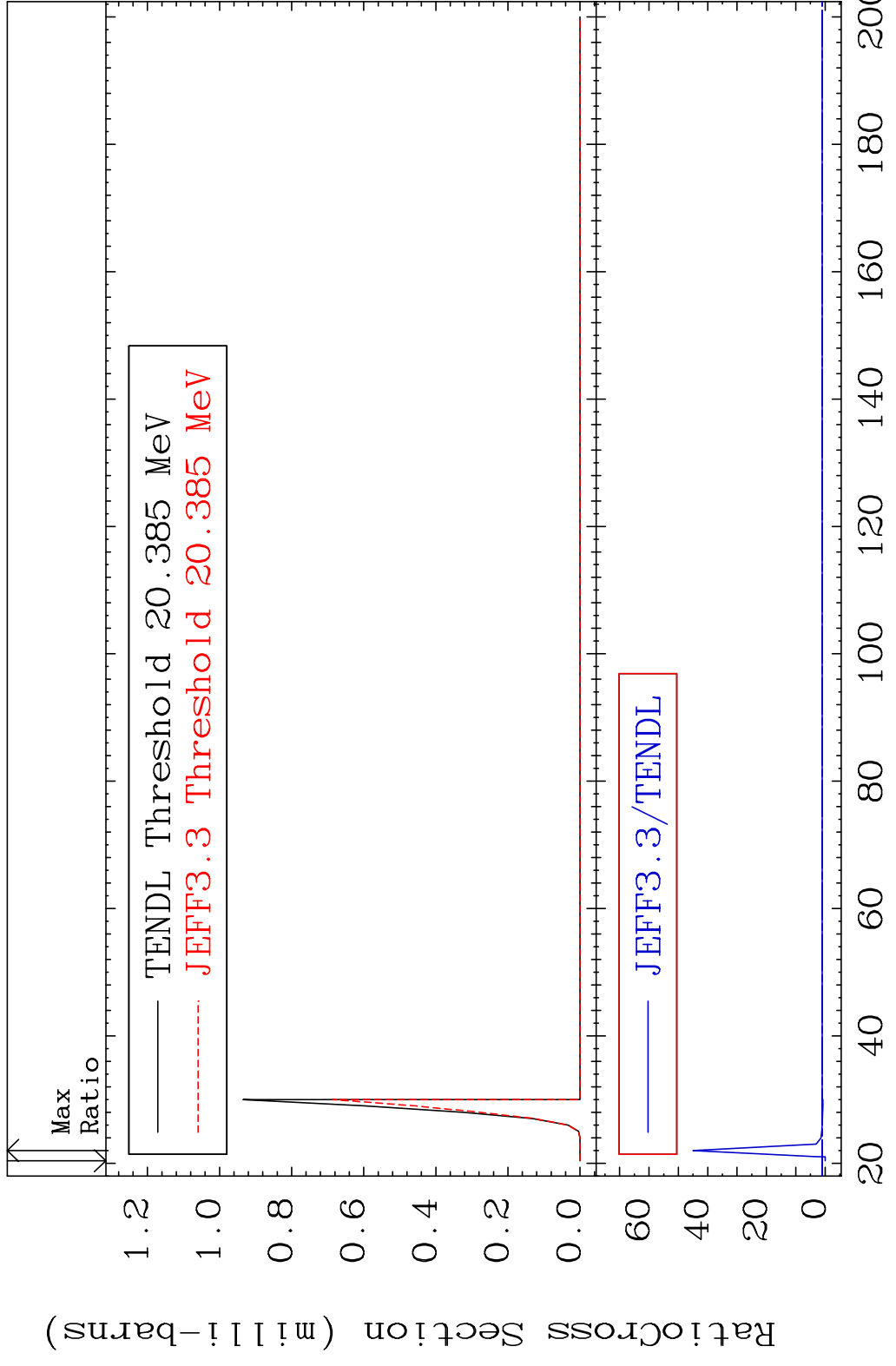
MAT 3825 (n,2n)  $\alpha$ :36-Kr-79m1 38-Sr-84  
 Radionuclide Production Cross Section Ratio



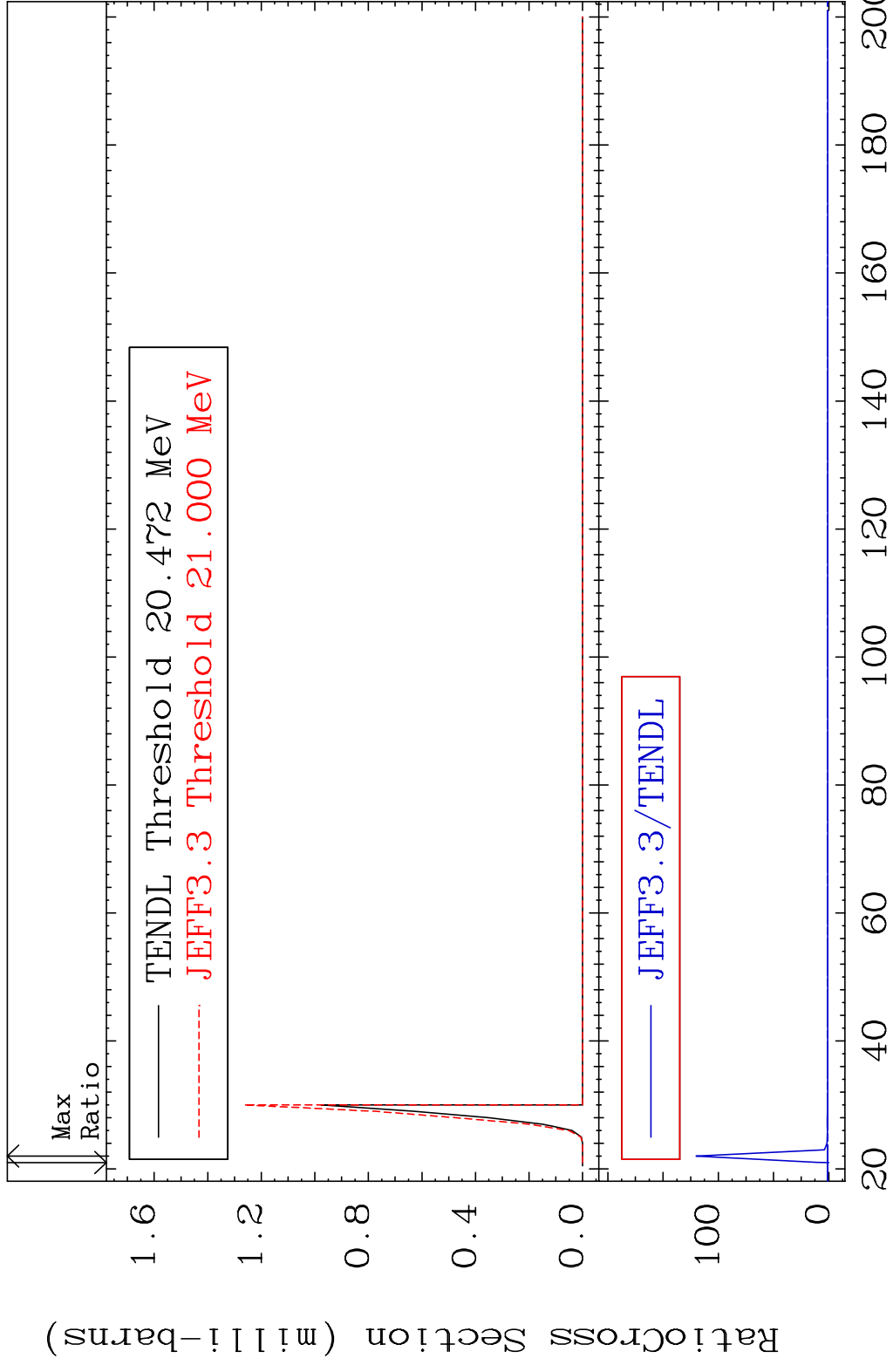
MAT 3825 (n, n') d:37-Rb-82g 38-Sr-84  
 Radionuclide Production Cross Section 1800 d to 2178. %

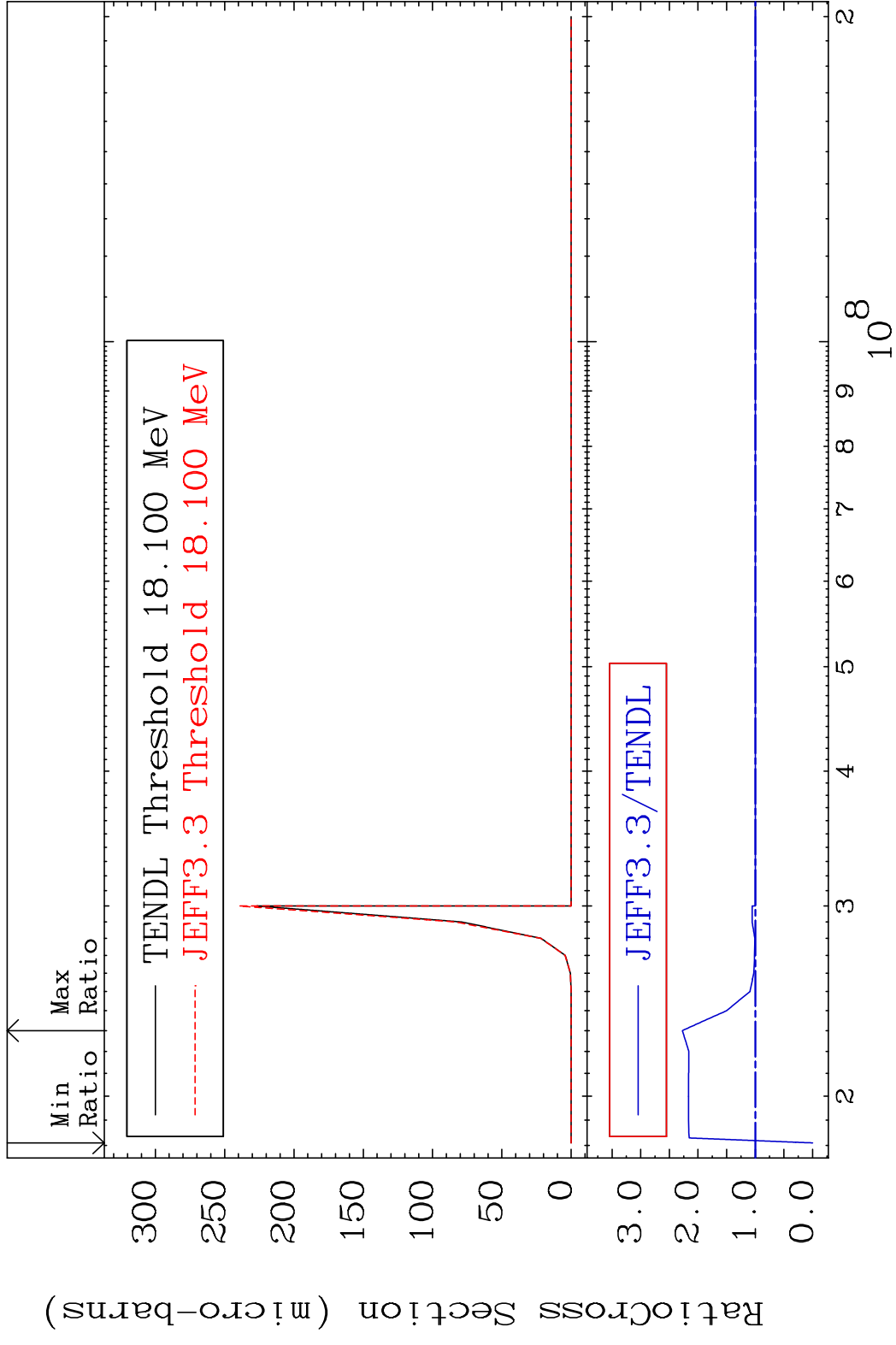


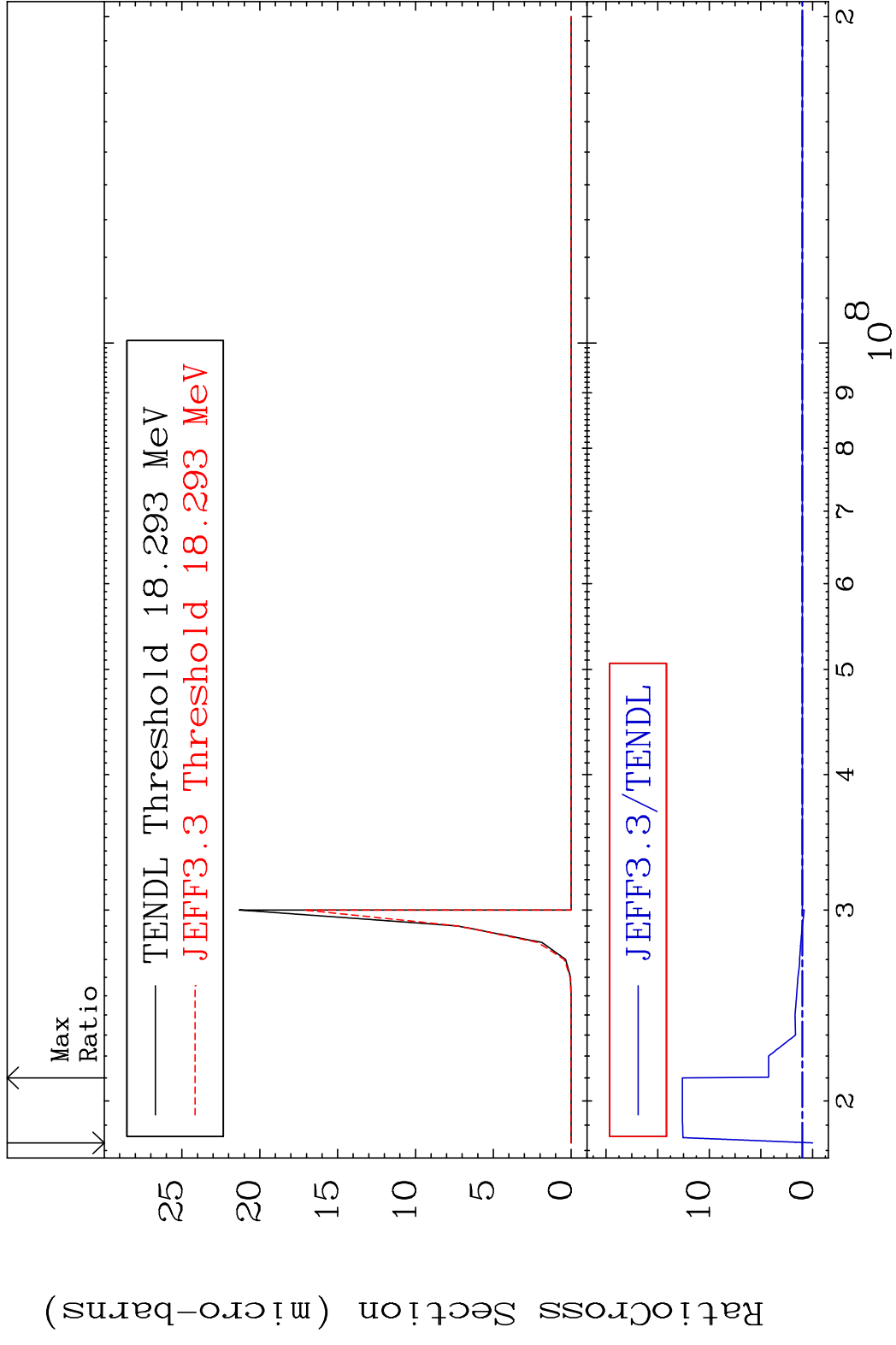


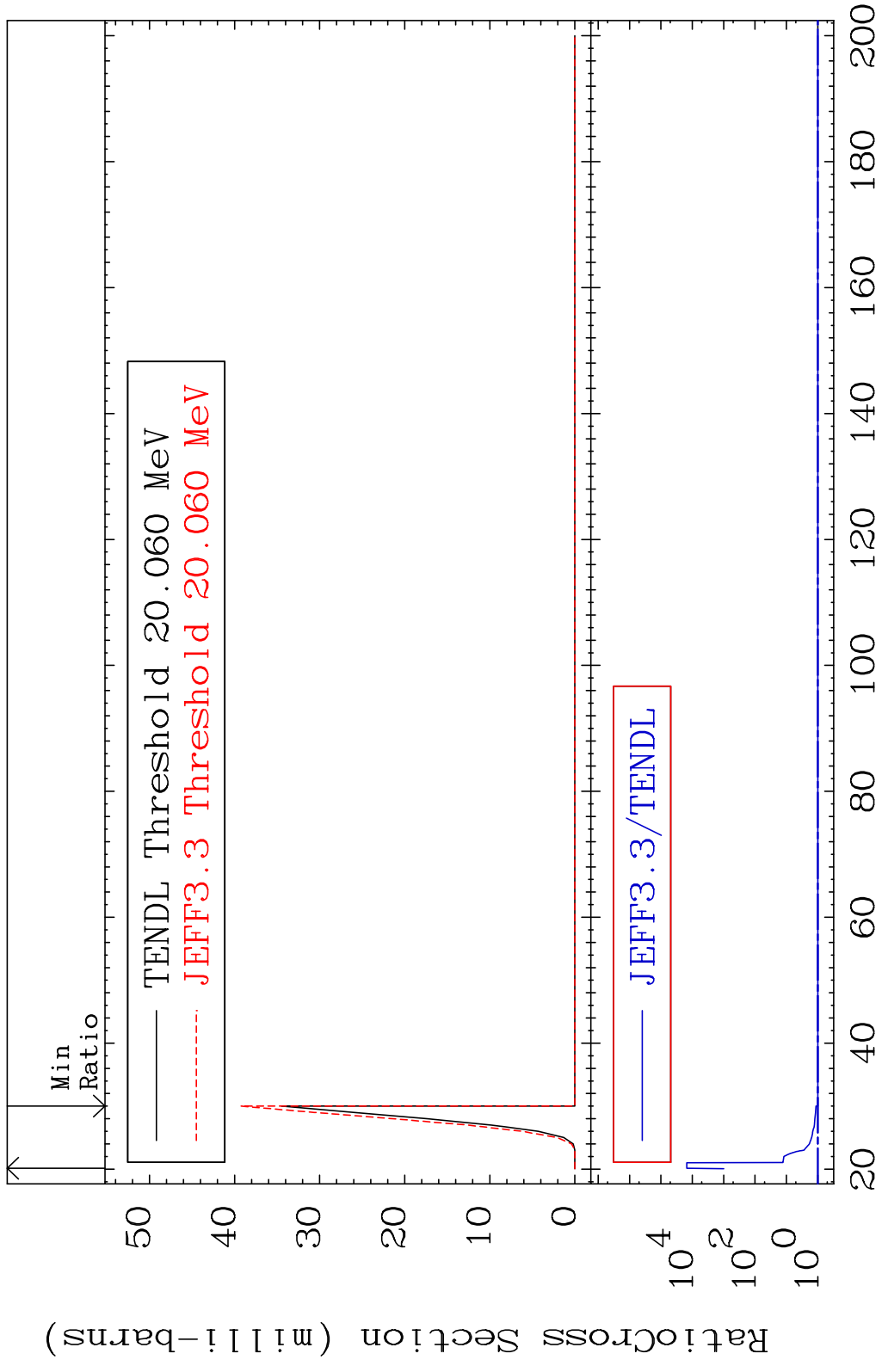


MAT 3825 (n, n') t:37-Rb-81m1 38-Sr-84  
 Radionuclide Production Cross Section Ratio 9999. %

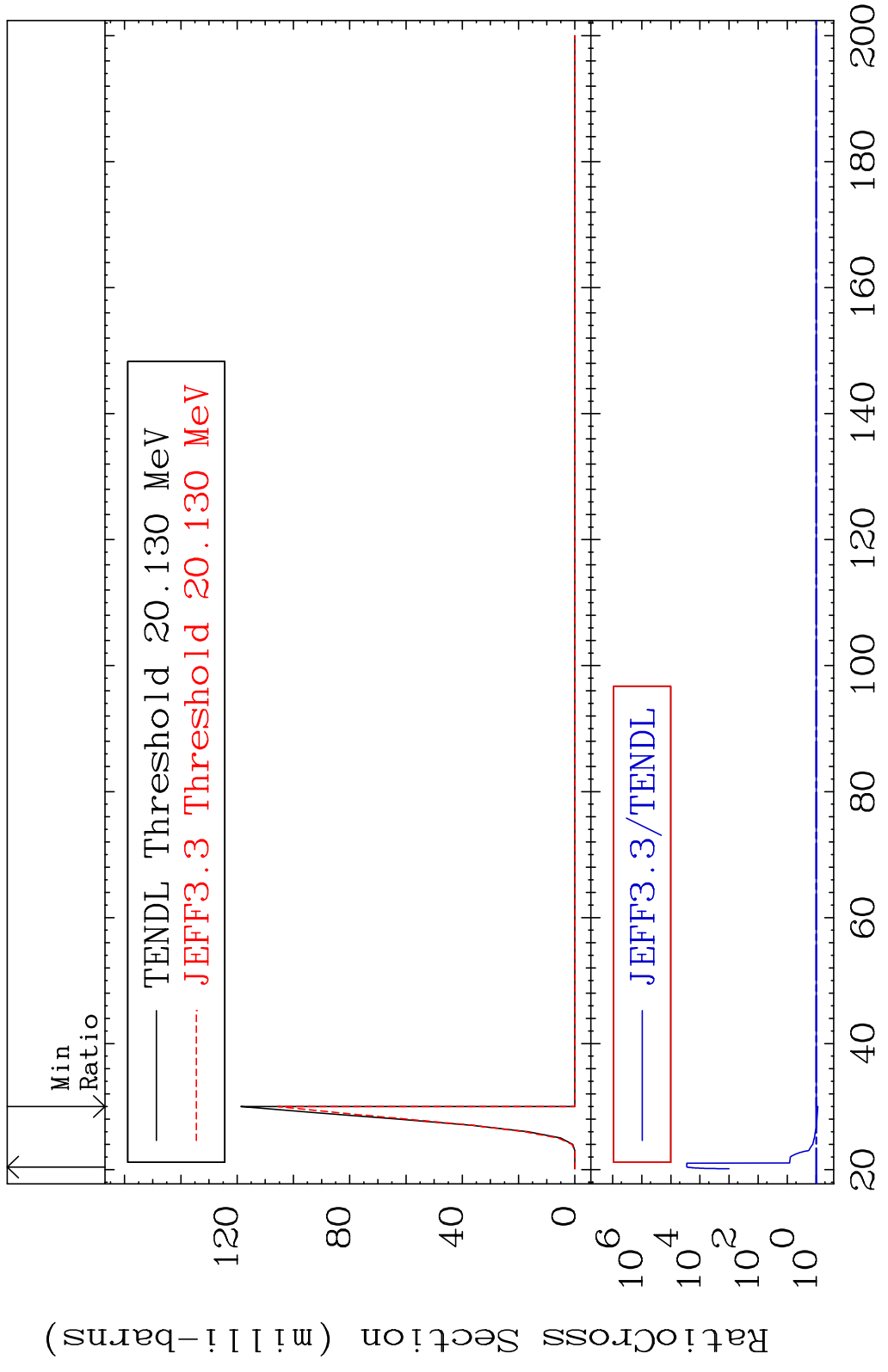


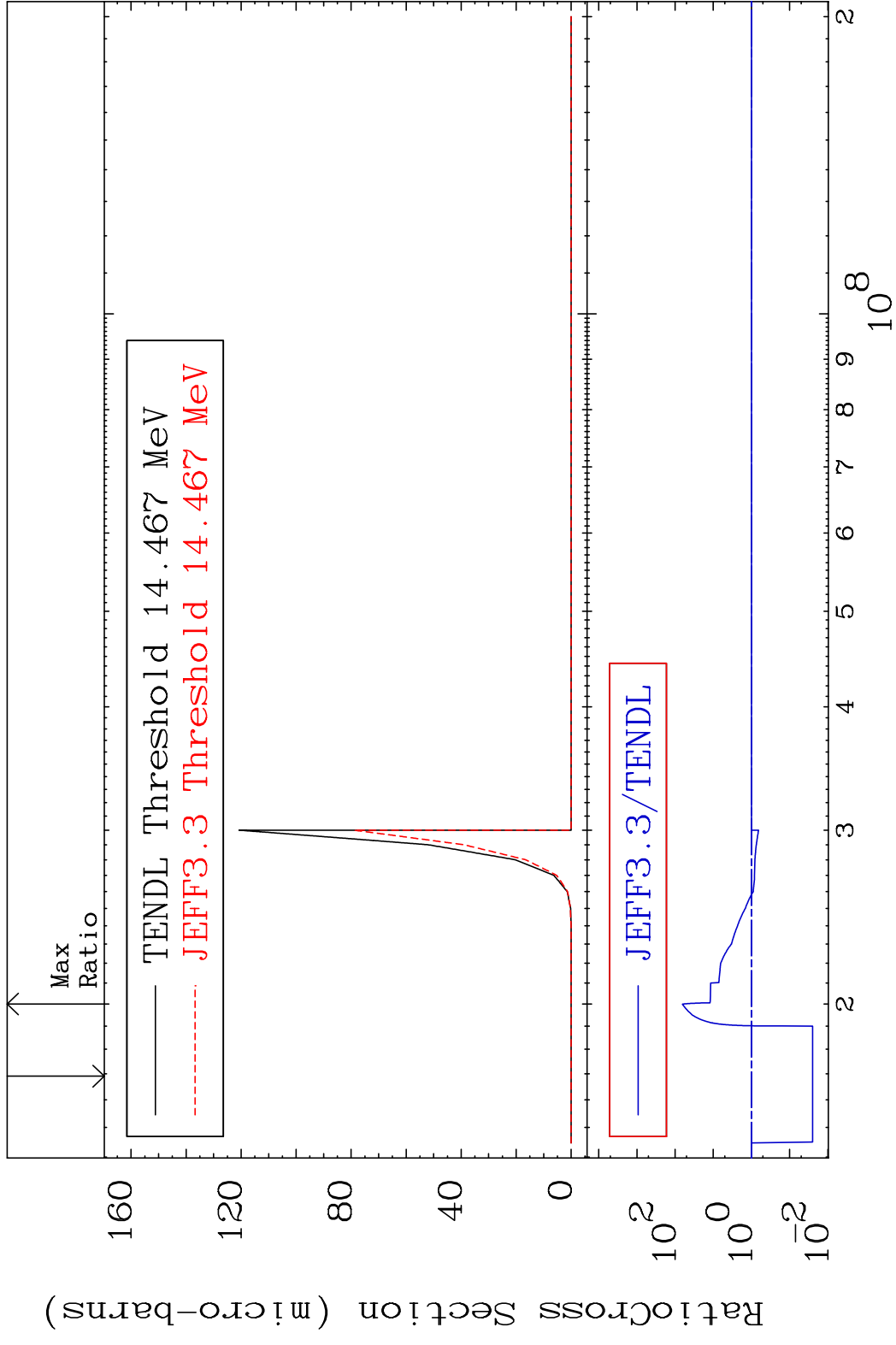




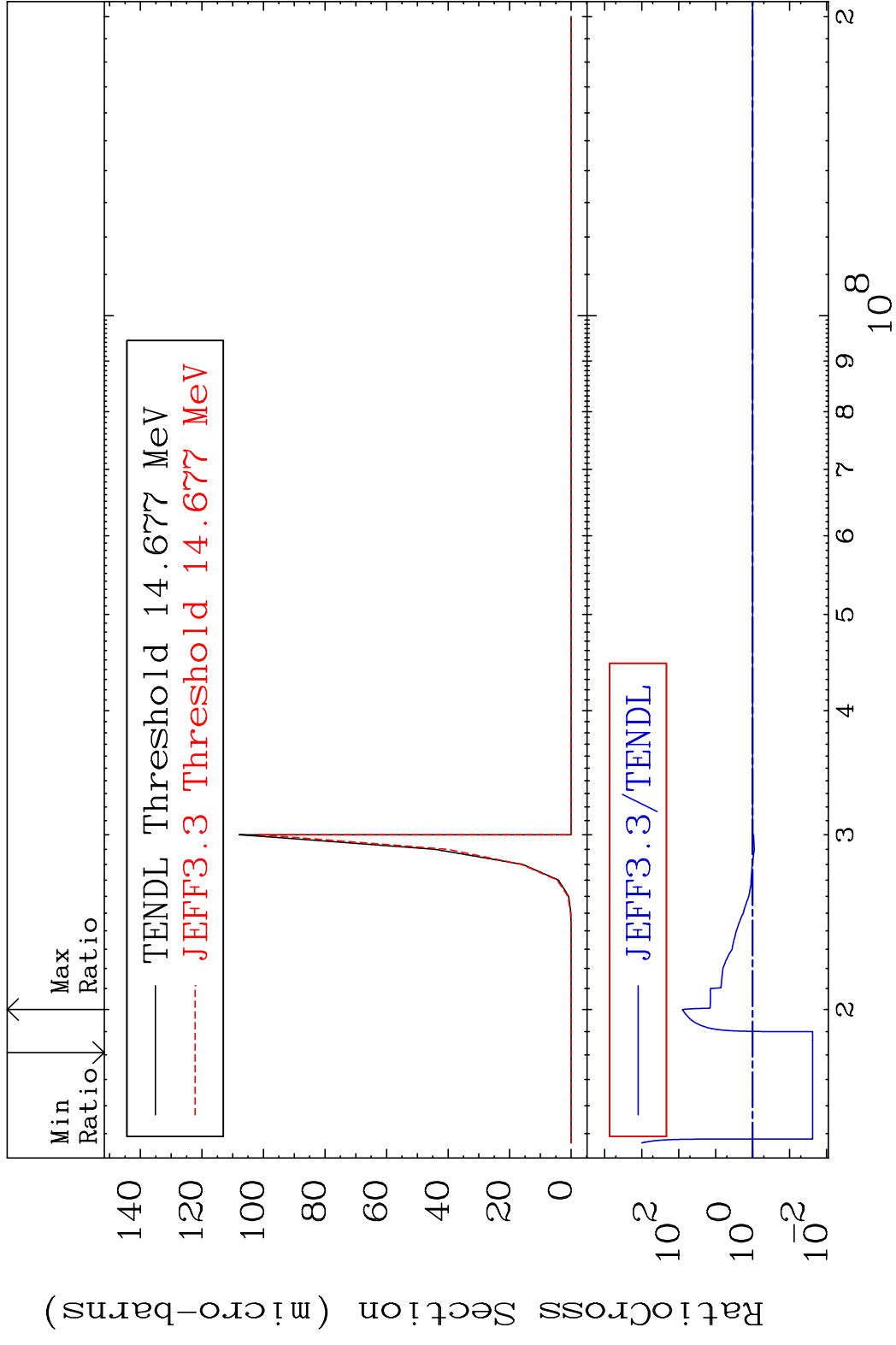




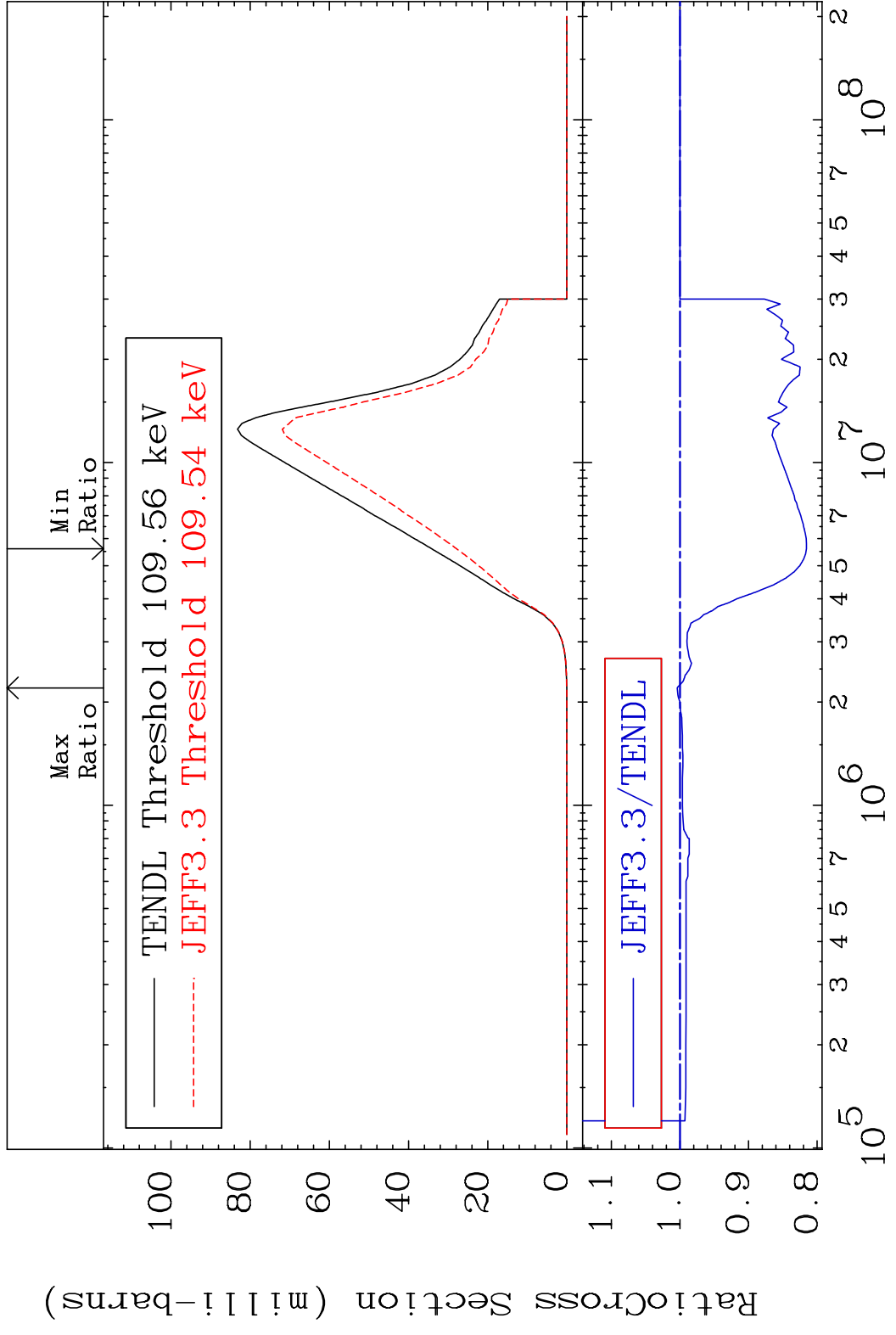




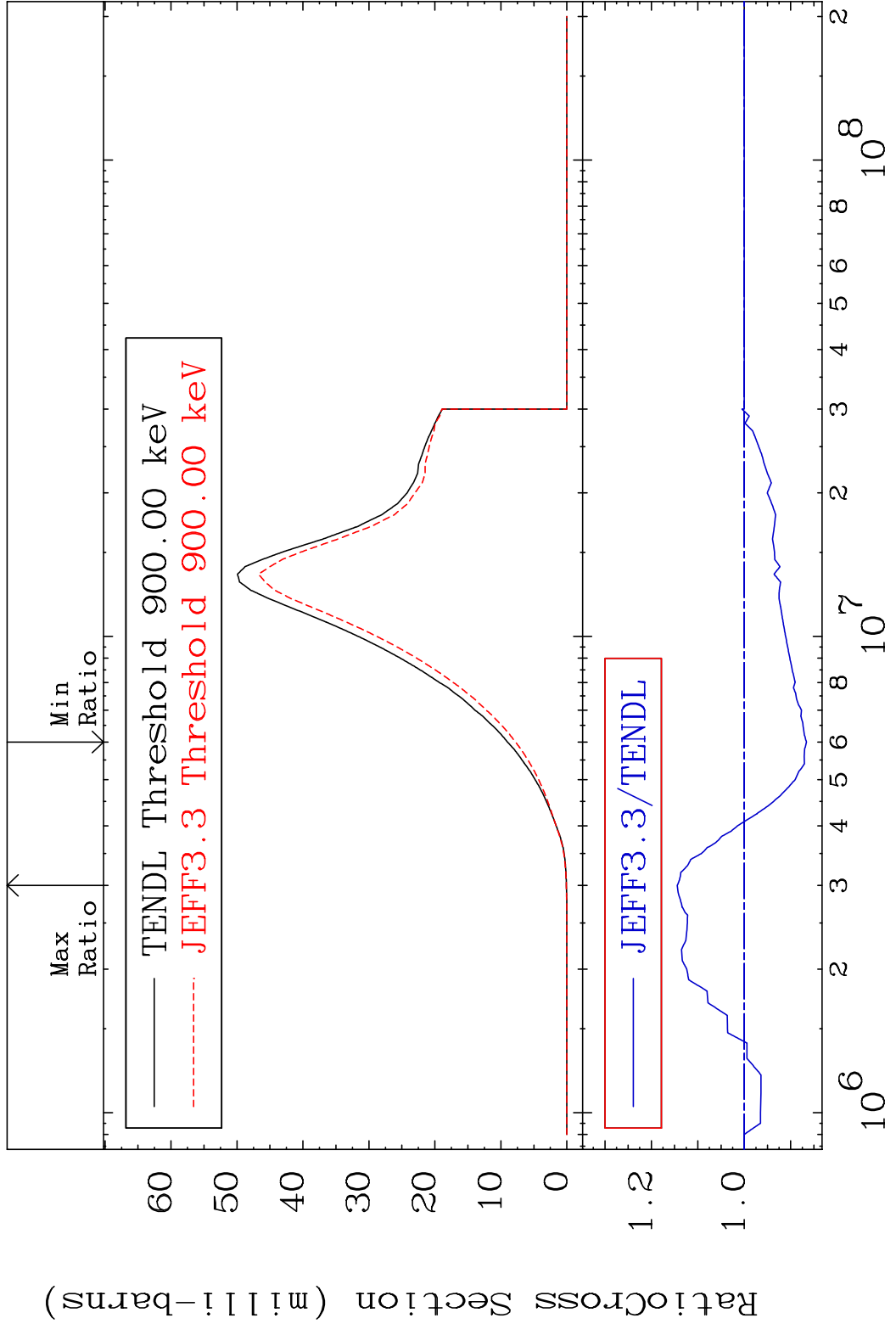
MAT 3825 (n, n') p  $\alpha$ :35-Br-79m1 38-Sr-84  
 Radionuclide Production Cross Section to 7857. %



MAT 3825 (n, p): 37-Rb-84g 38-Sr-84  
 Radionuclide Production Cross Section 1864310 0.409 %

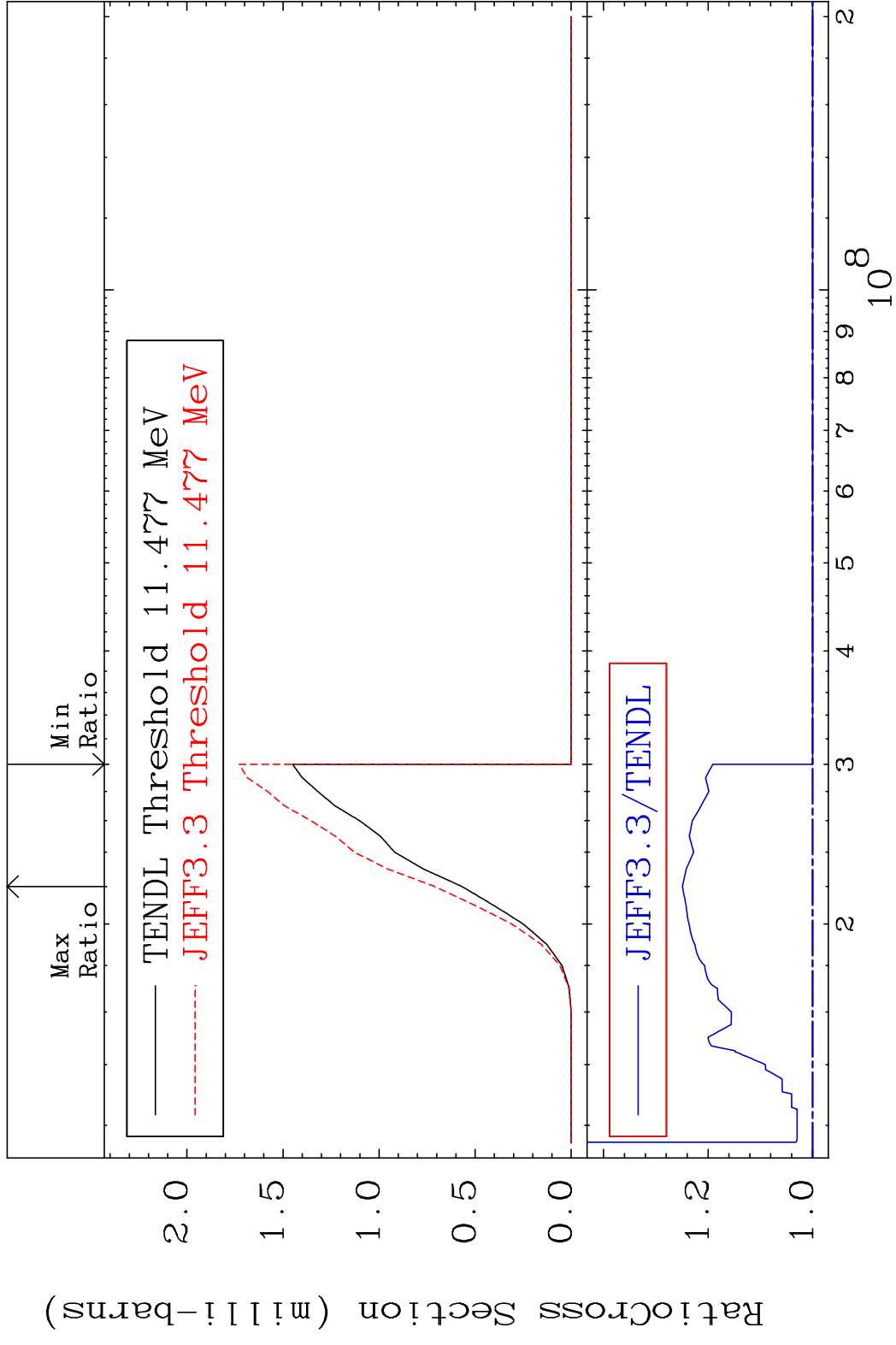


MAT 3825 (n,p):37-Rb-84m2 38-Sr-84  
 Radionuclide Production Cross Section 136381 dno 14.44 %

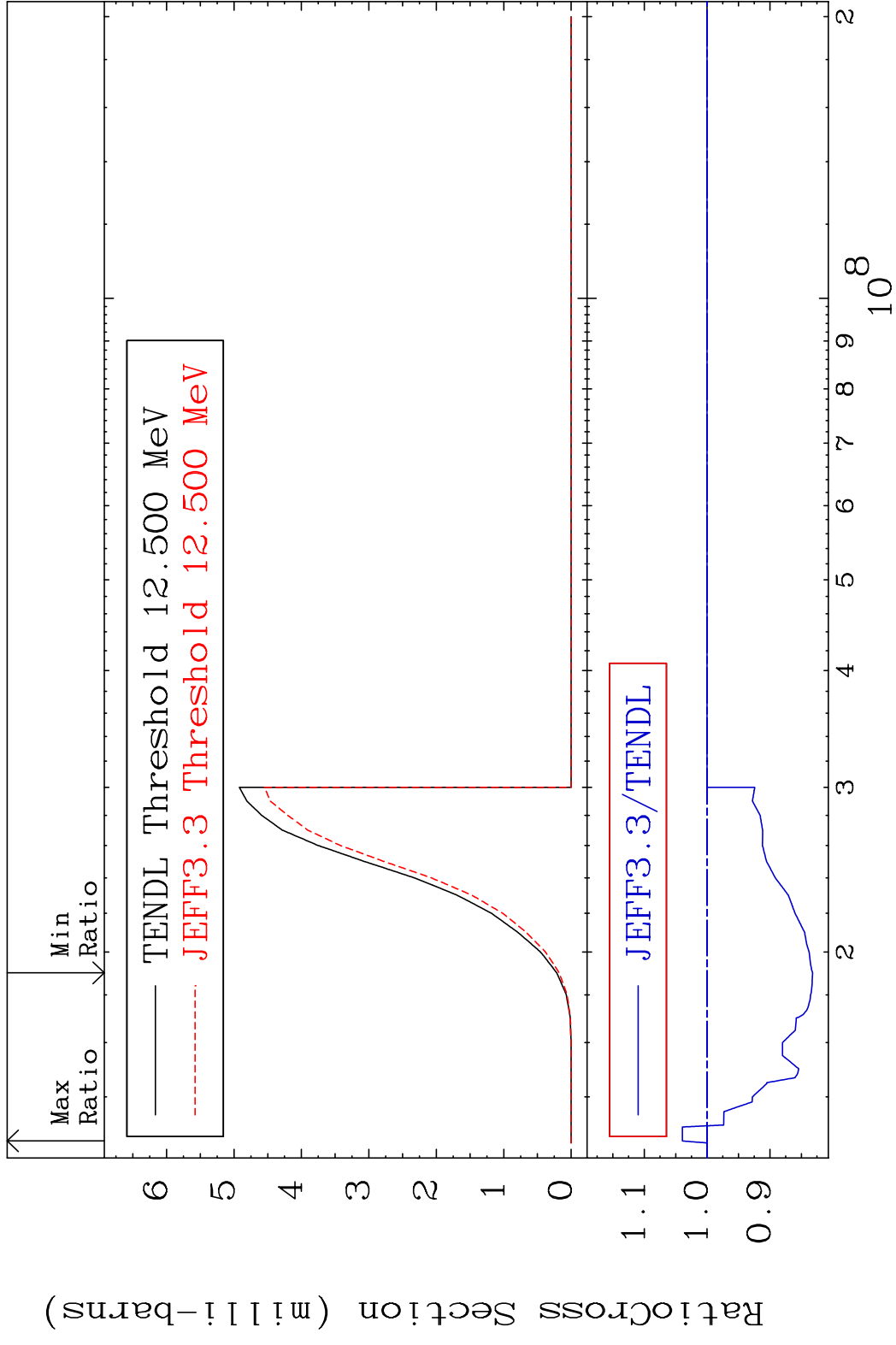


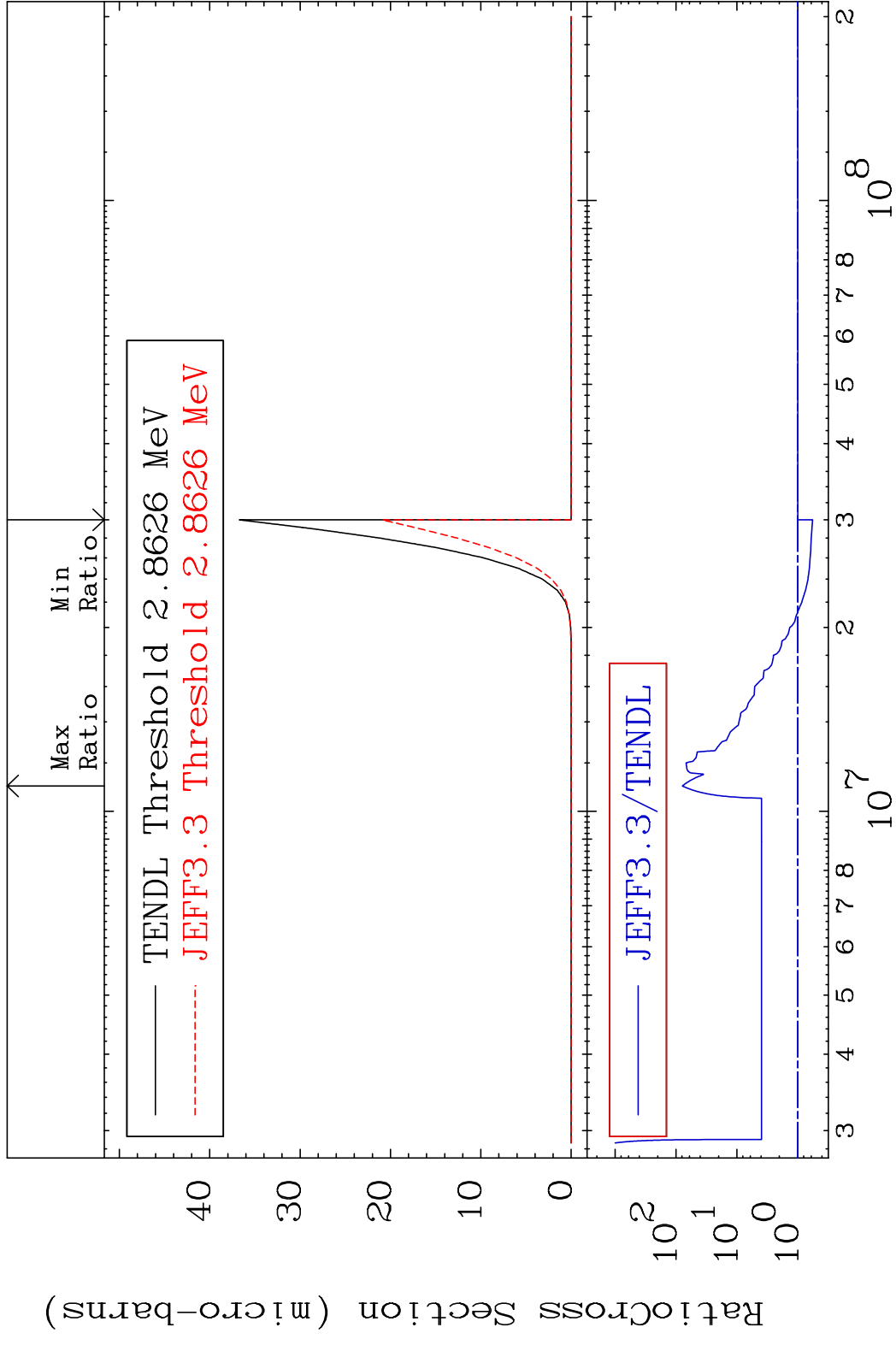
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MAT 3825 (n, t):37-Rb-82g 38-Sr-84  
 Radionuclide Production Cross Section 24.92 %

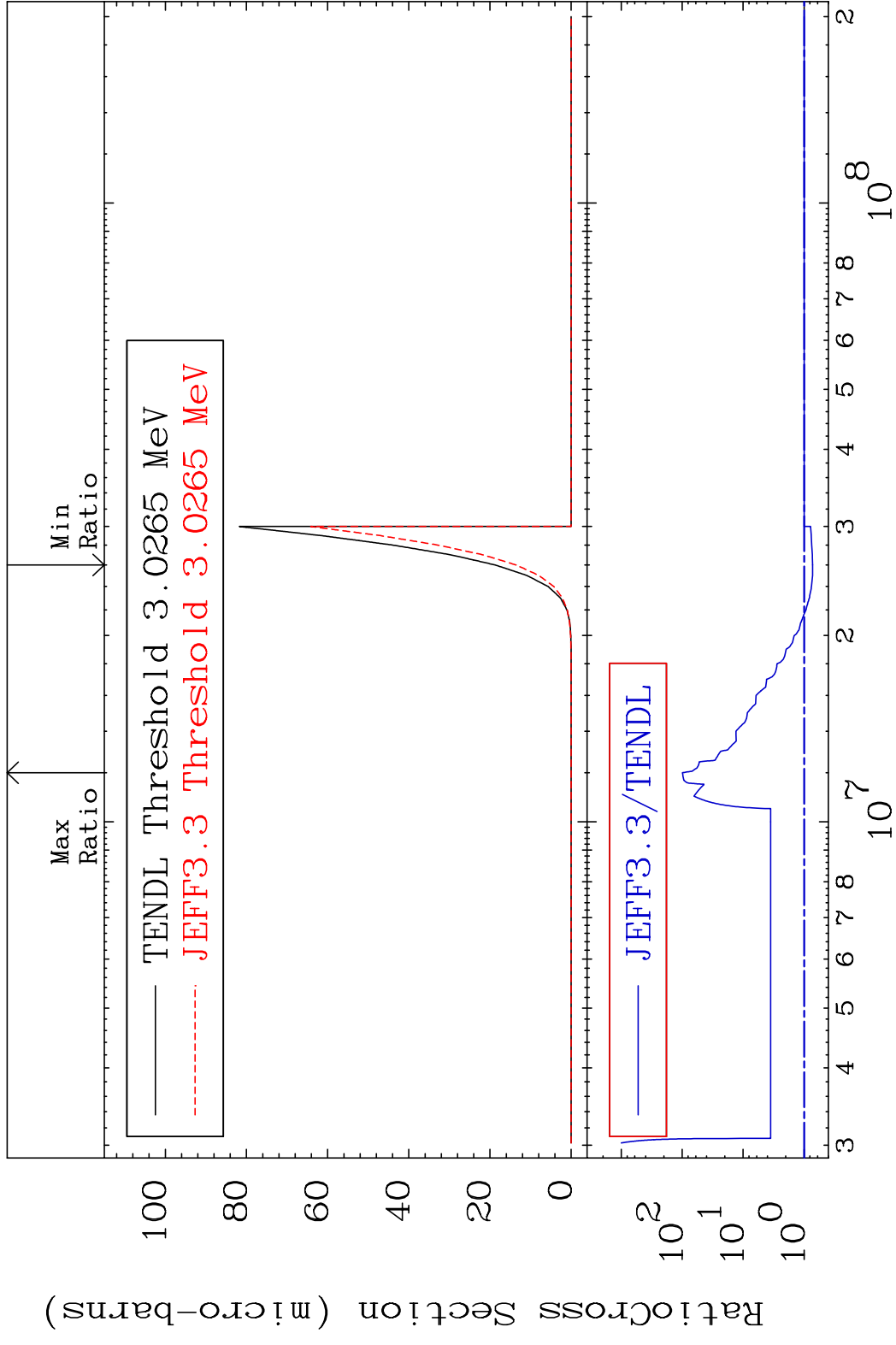


MAT 3825 (n, t):37-Rb-82m1 38-Sr-84  
 Radionuclide Production Cross Section 186791 d10 3.941 %

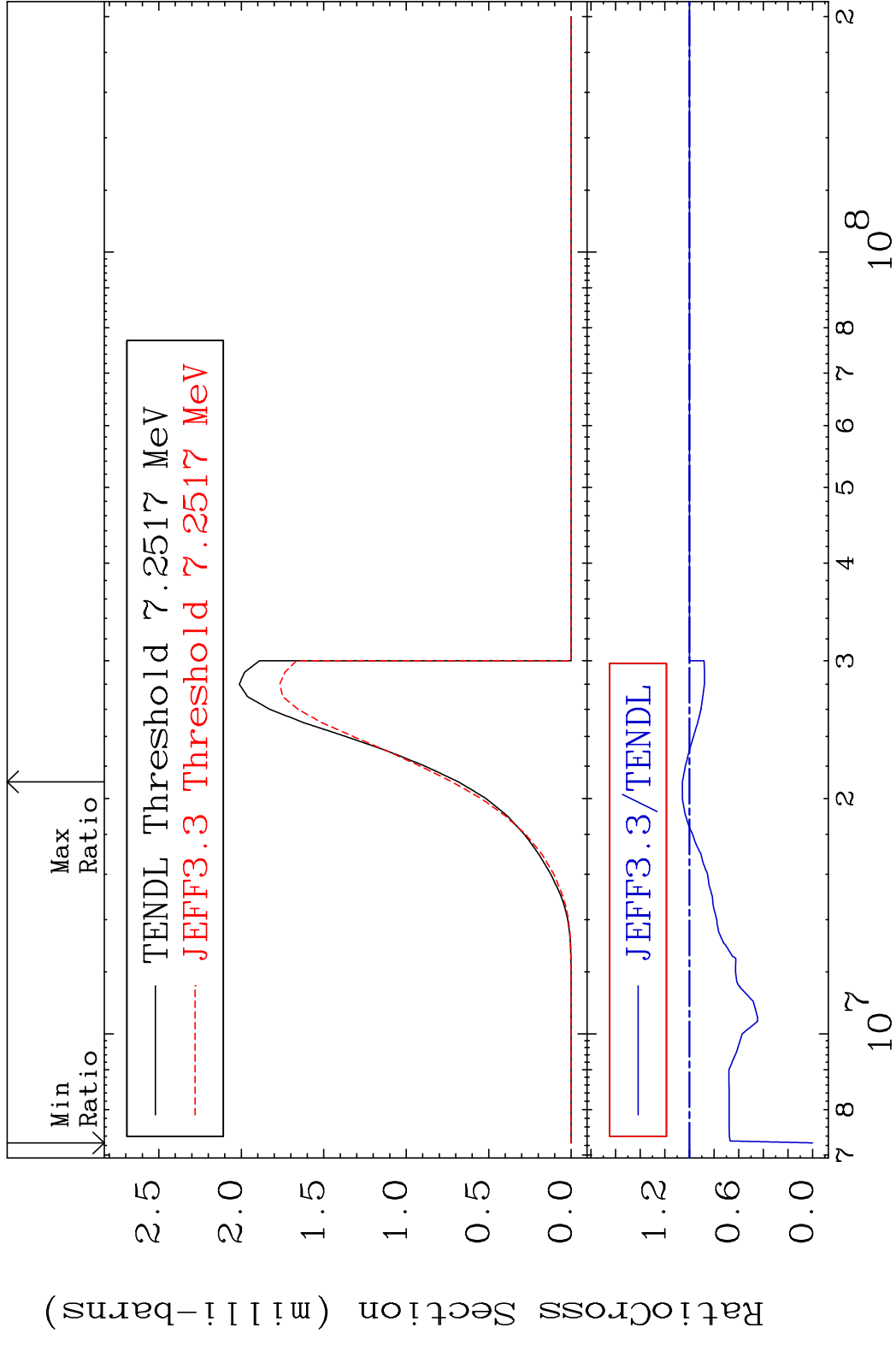




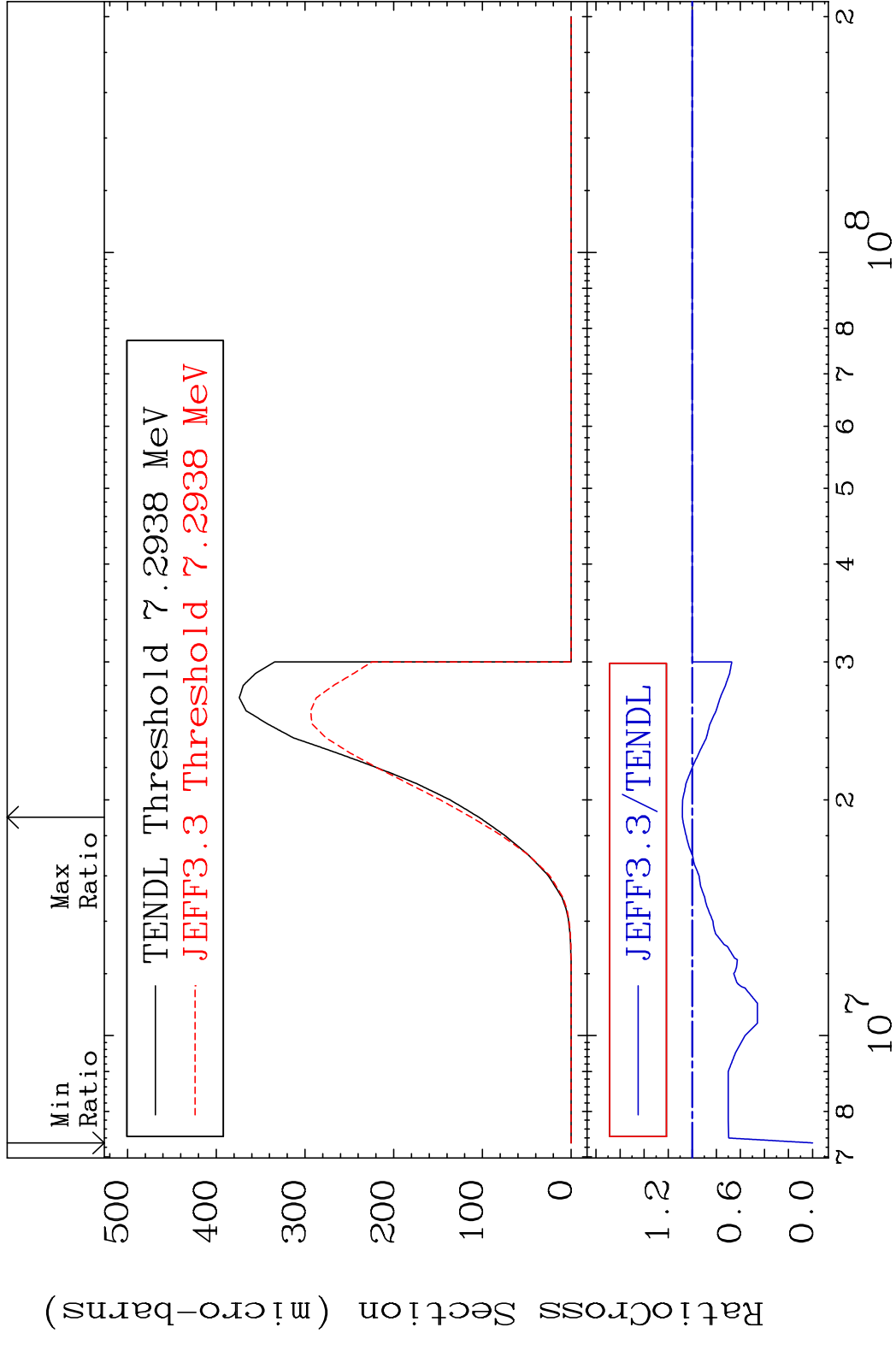


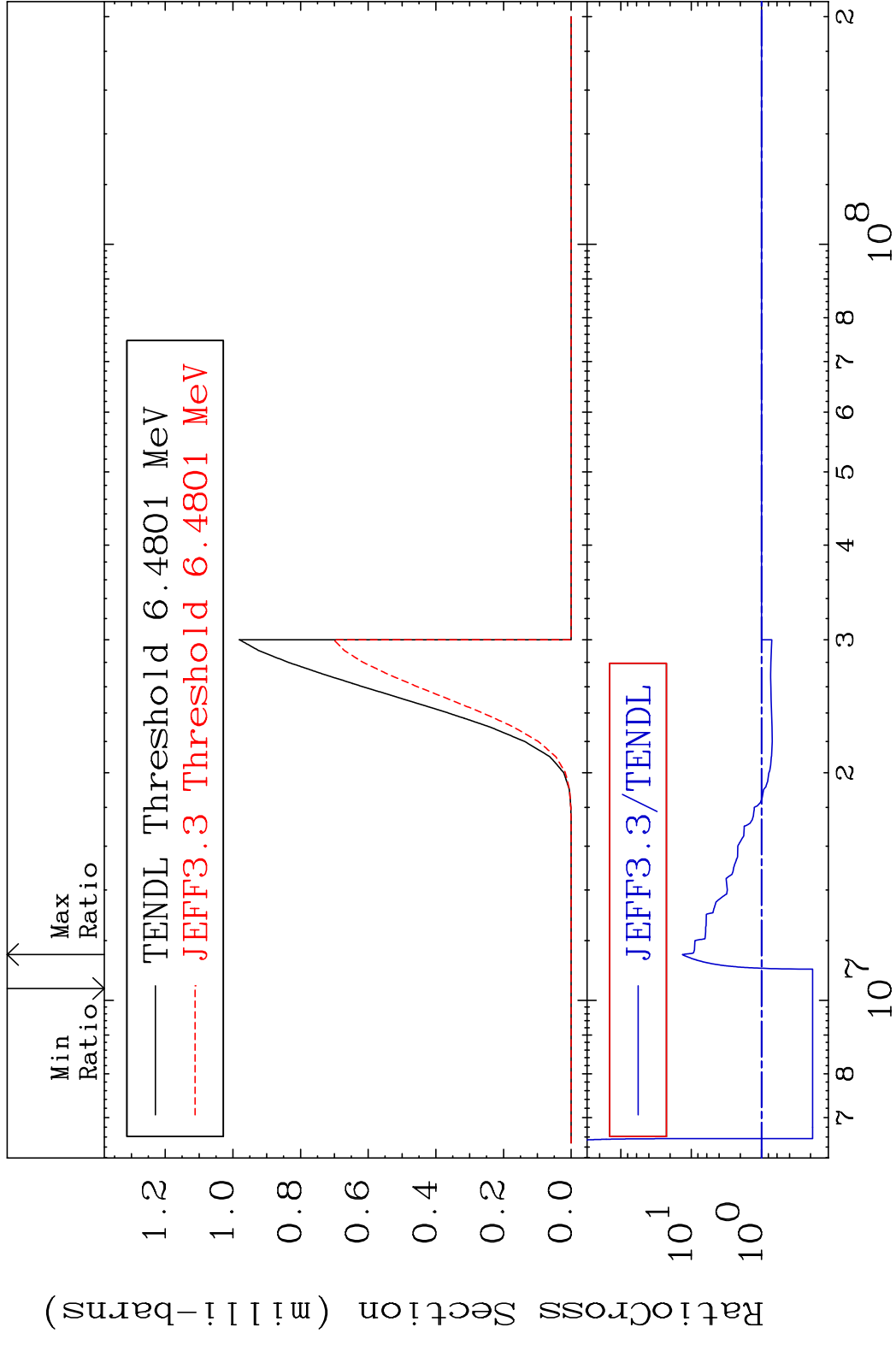


MAT 3825 (n,2p):36-Kr-83g 38-Sr-84  
 Radionuclide Production Cross Section 5.735 %

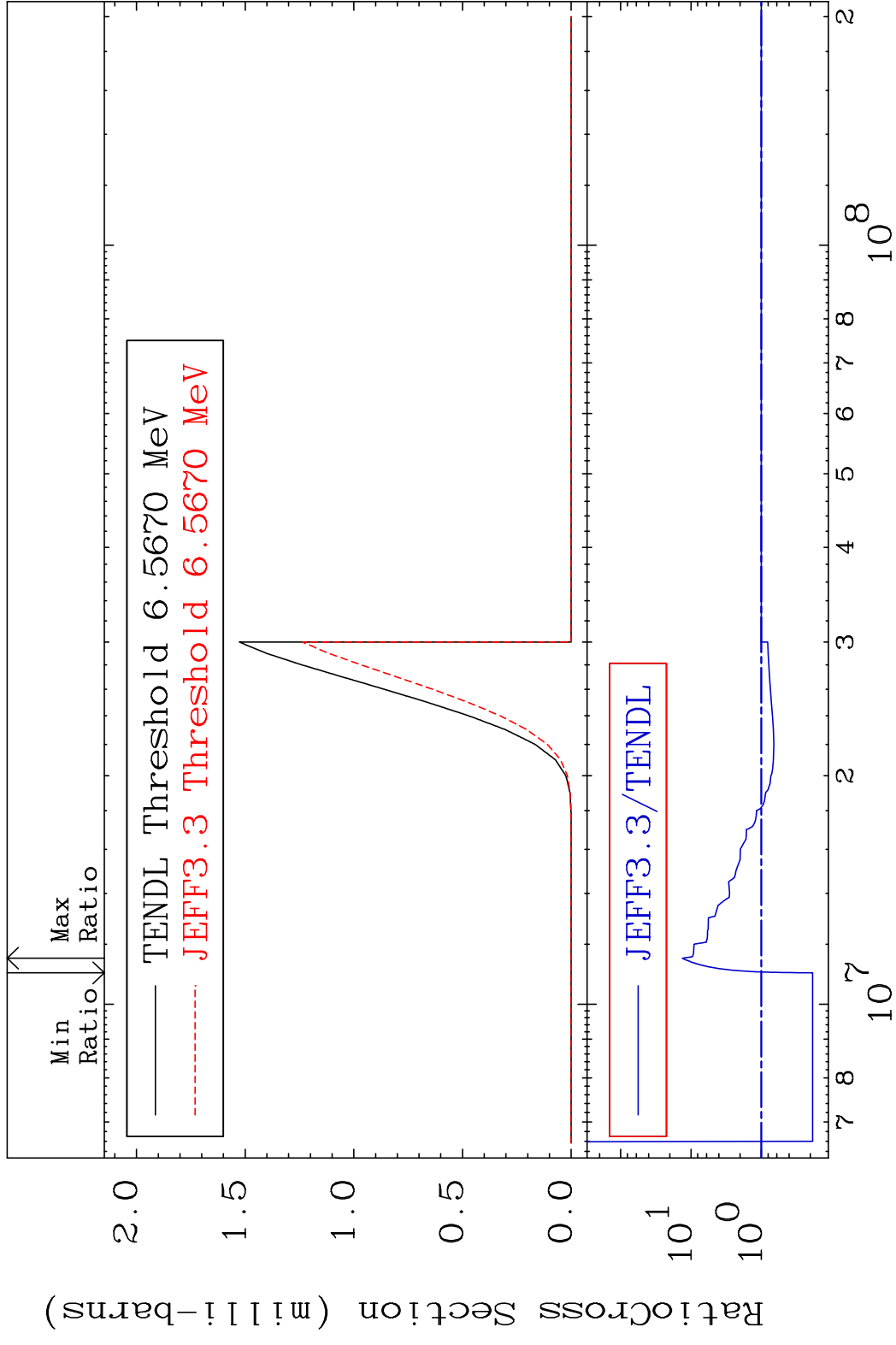


MAT 3825 (n,2p):36-Kr-83m2 38-Sr-84  
 Radionuclide Production Cross Section 180.01 dth 8.217 %





MAT 3825 (n,p)  $\alpha$ :35-Br-80m2 38-Sr-84  
 Radionuclide Production Cross Section 1226. %



MAT 3825 (n, p) t:36-Kr-81g 38-Sr-84  
 Radionuclide Production Cross Section 1800 d to 375.7 %

