

Program Complot  
(Version 2021-1)

by

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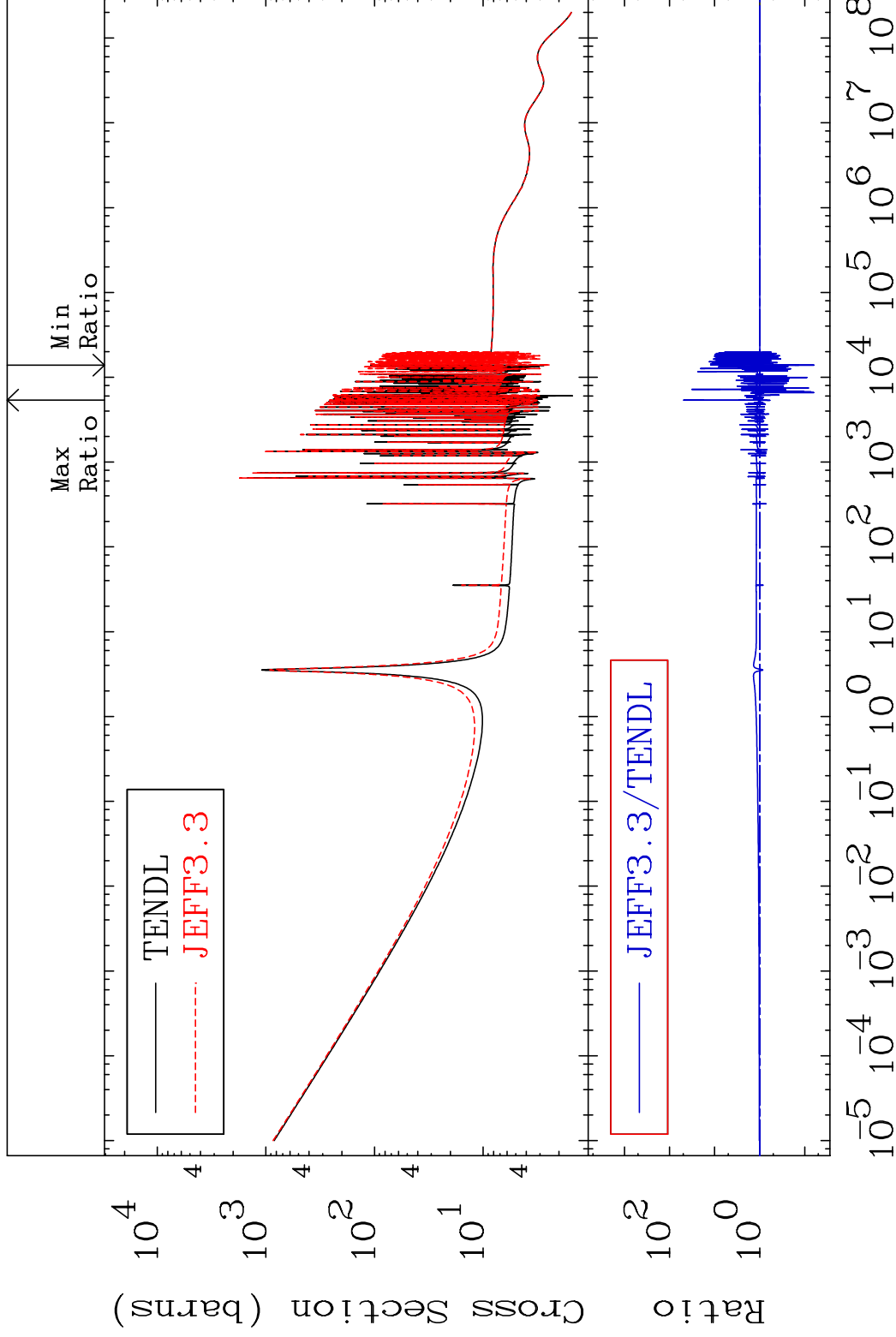
Press Mouse Button to Start

MAT 3834

Total

38-Sr-87

Cross Section -93.81 To 4772. %



1

Incident Energy (eV)

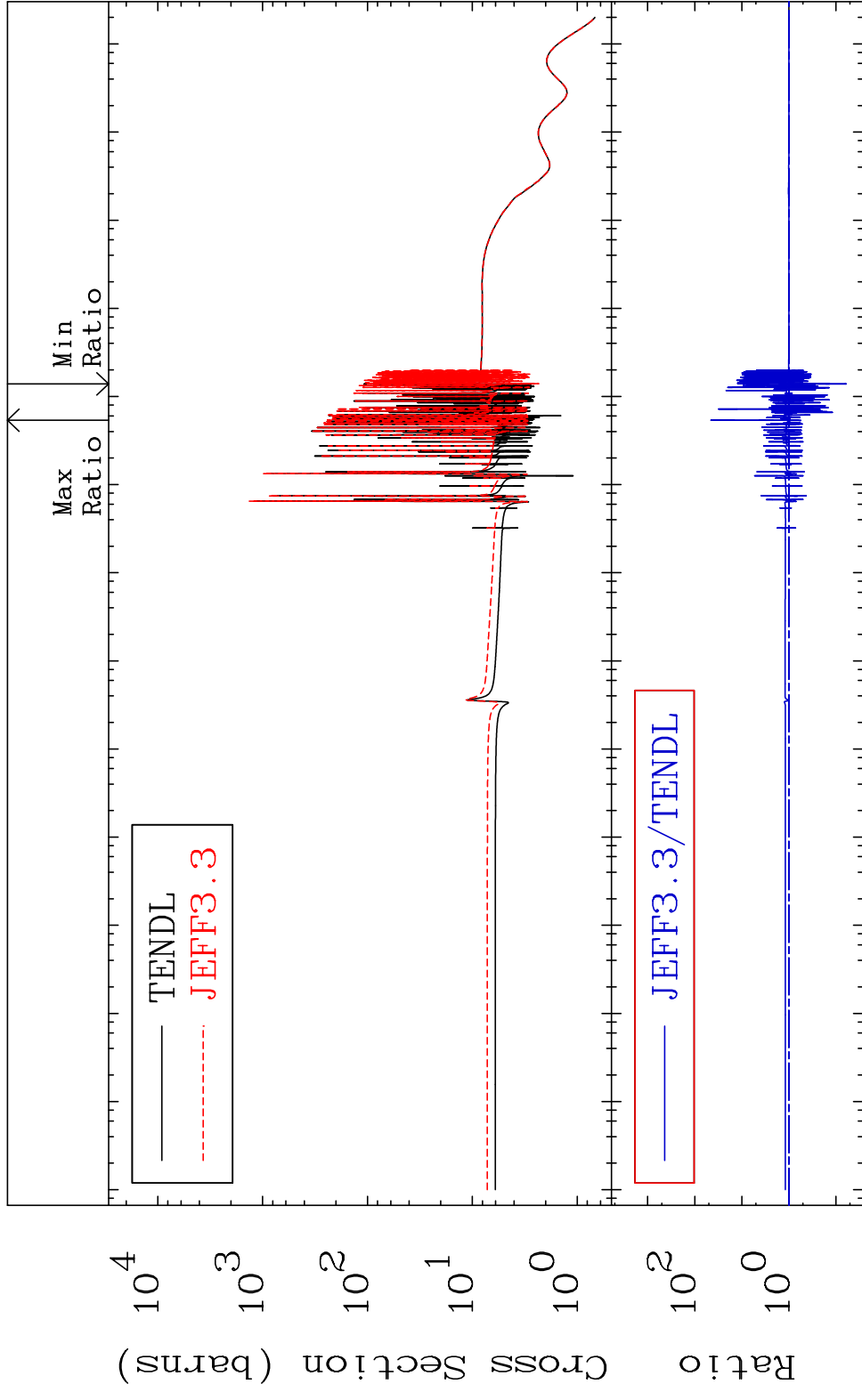
38-Sr-87

MAT 3834

Elastic

38-Sr-87

Cross Section -94.00 To 4473. %

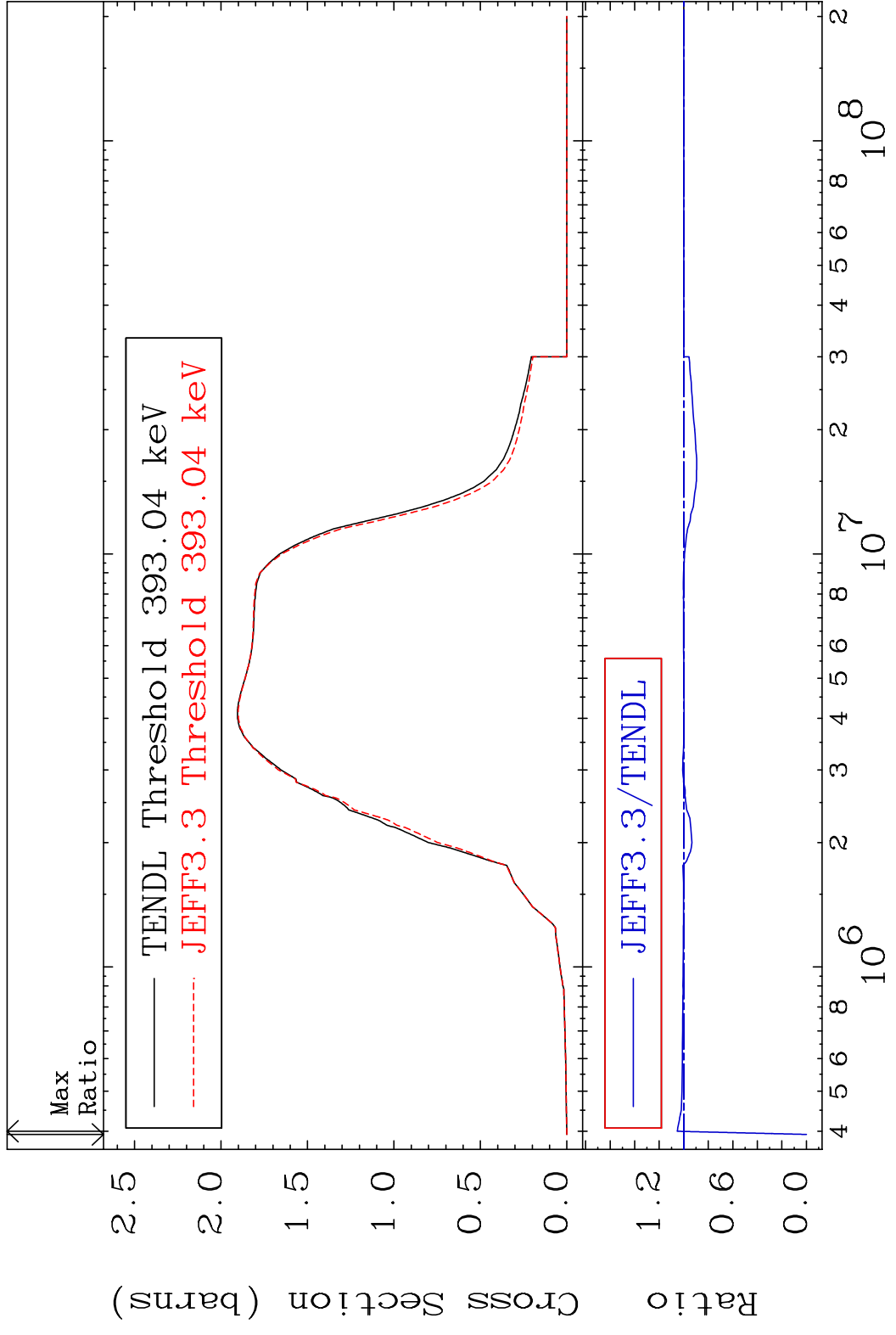


2

Incident Energy (eV)

38-Sr-87

MAT 3834 Inelastic 38-Sr-87  
 Cross Section -100.0 To 5.342 %



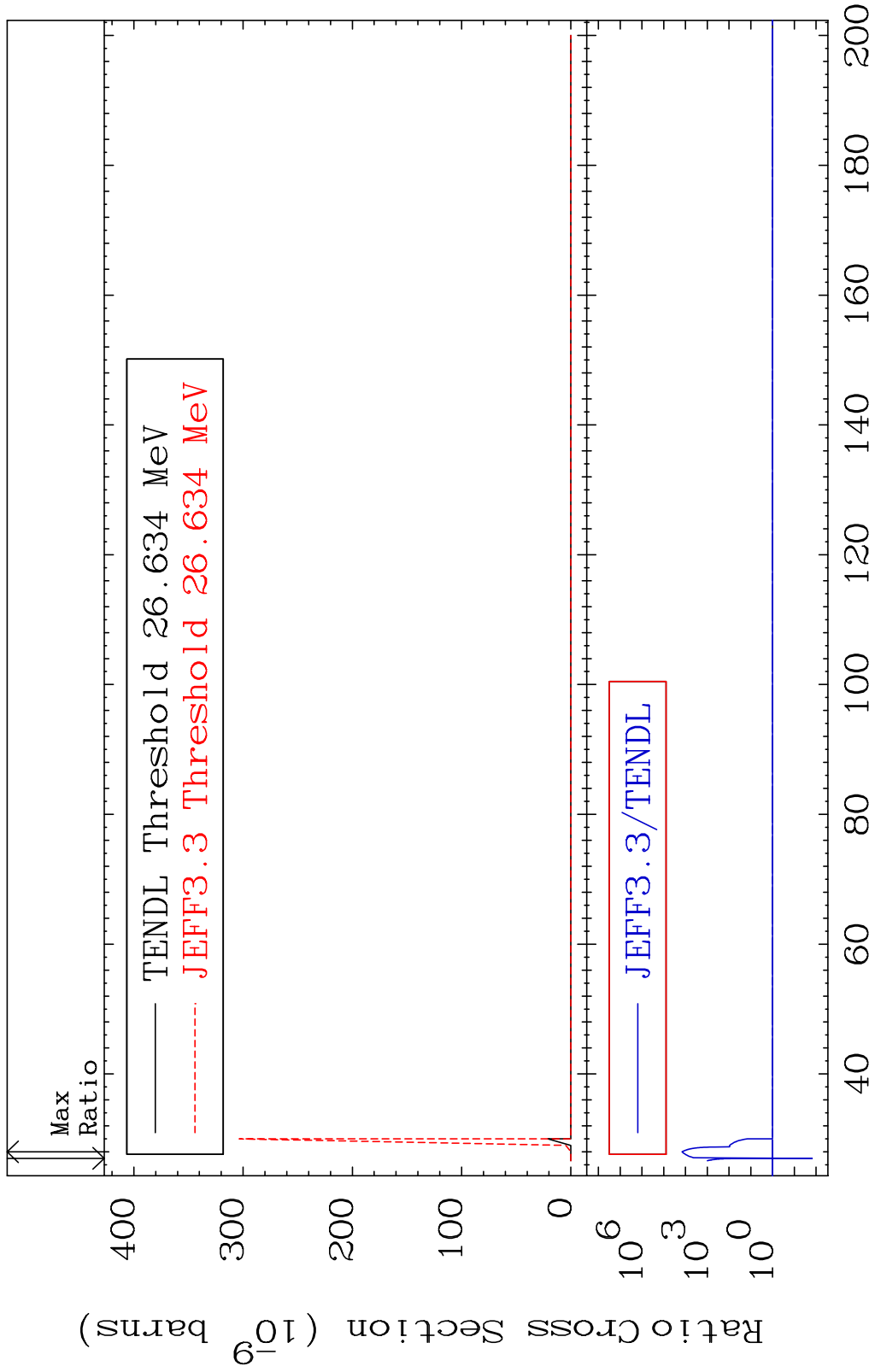
3 Incident Energy (eV) 38-Sr-87

MAT 3834

(n,2n) d

38-Sr-87

Cross Section -98.49 To 9999. %

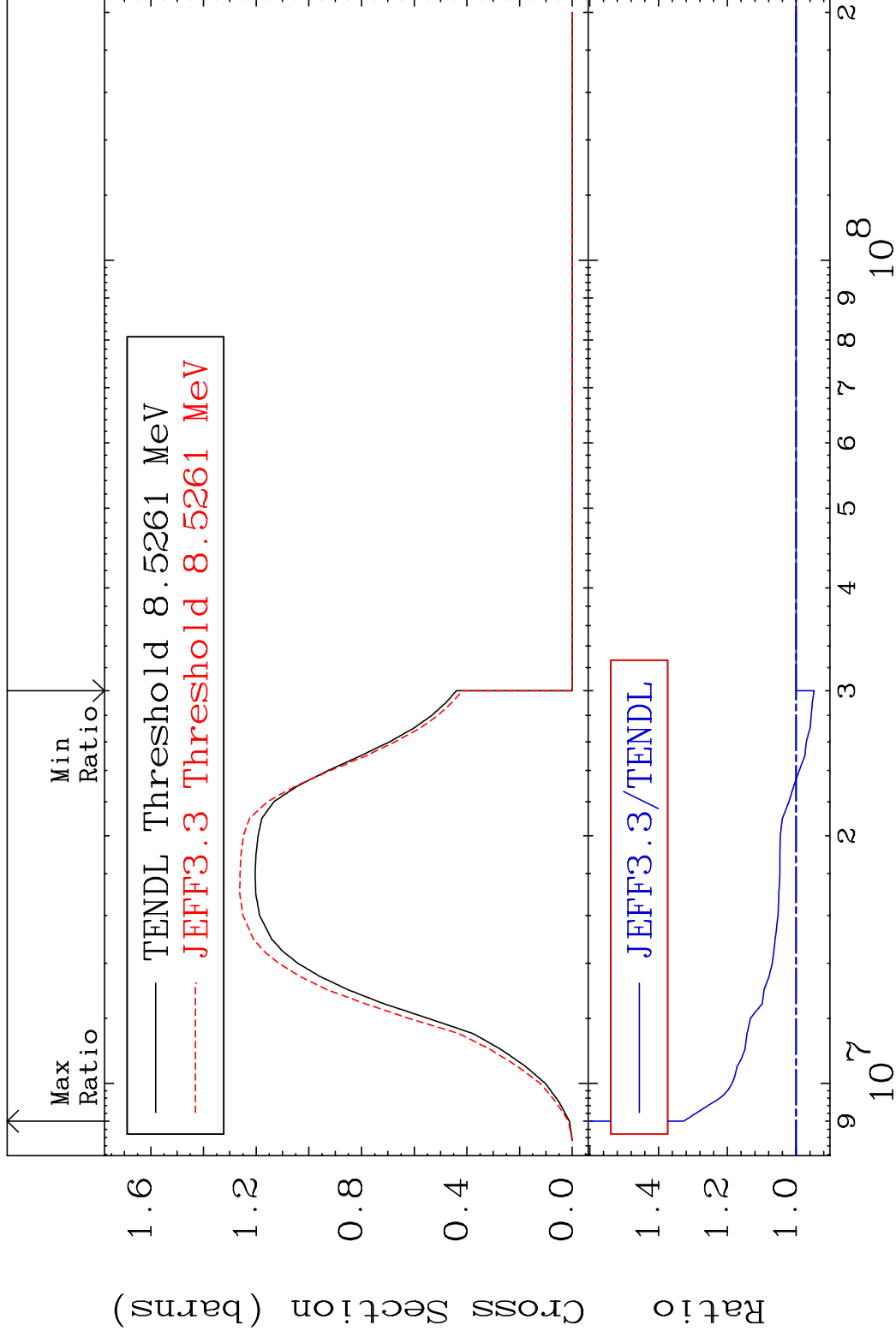


MAT 3834

(n,2n)

38-Sr-87

Cross Section -5.211 To 32.71 %



5

Incident Energy (eV)

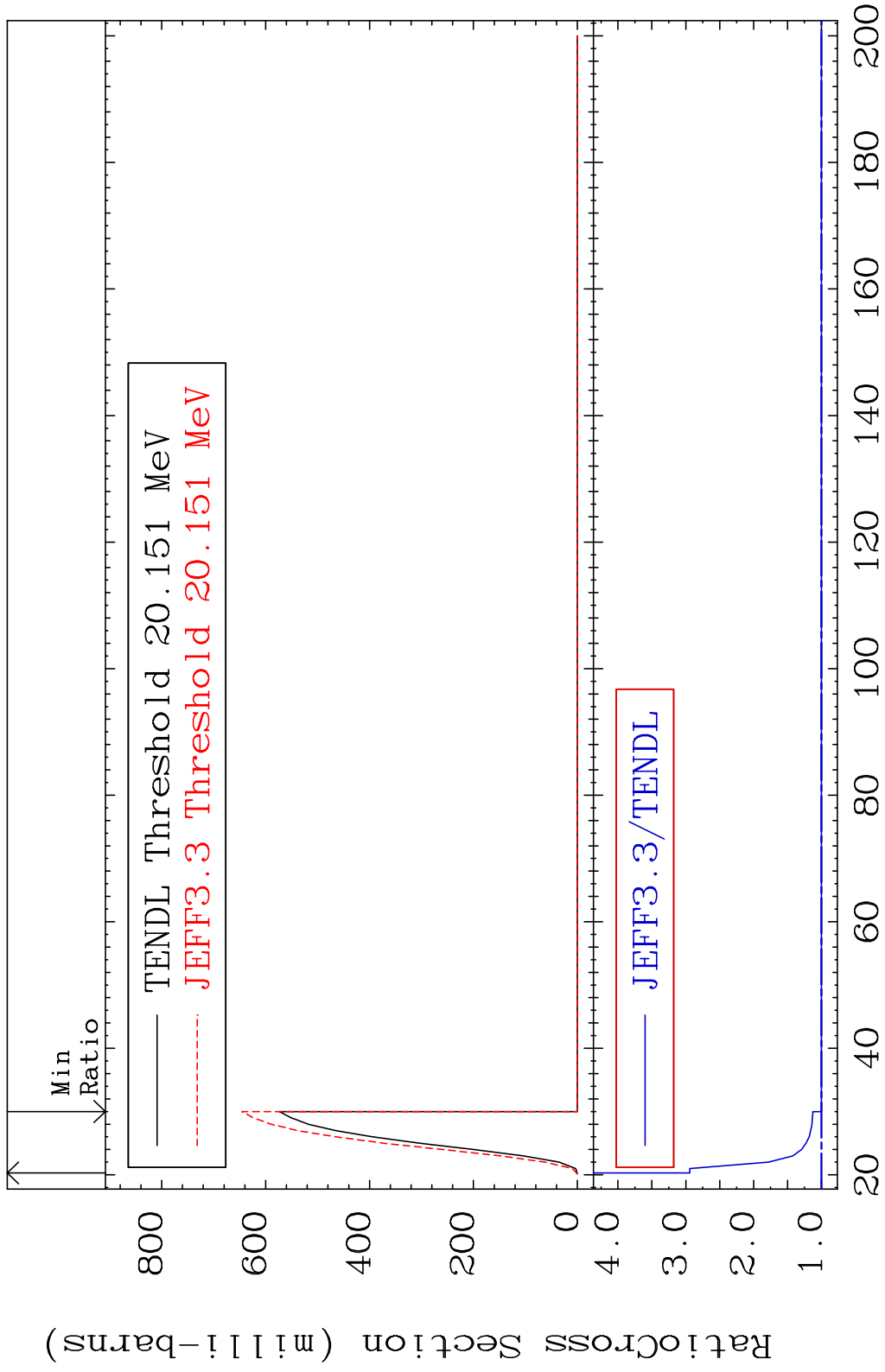
38-Sr-87

MAT 3834

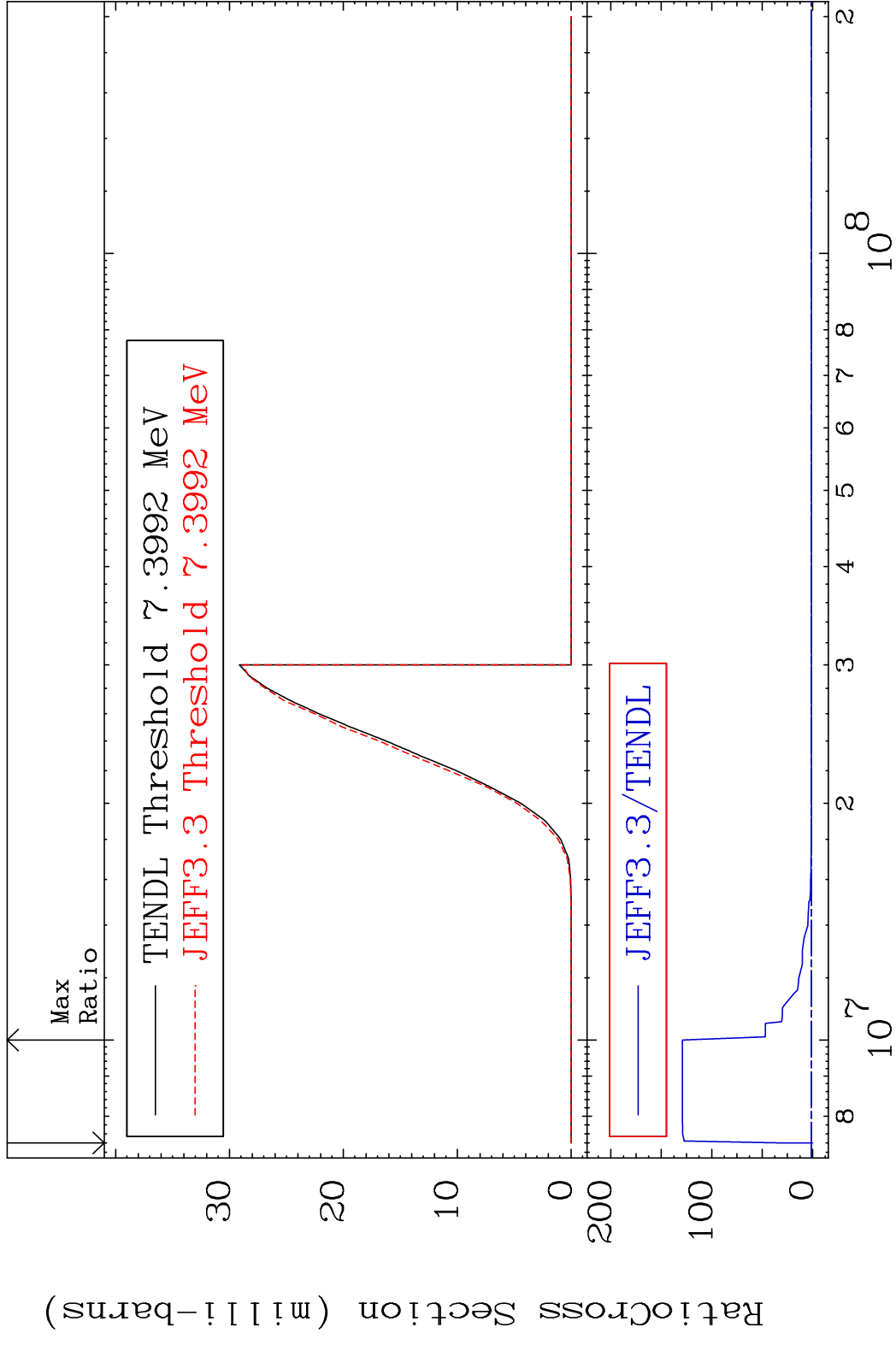
(n,3n)

38-Sr-87

Cross Section 0.000 To 194.1 %



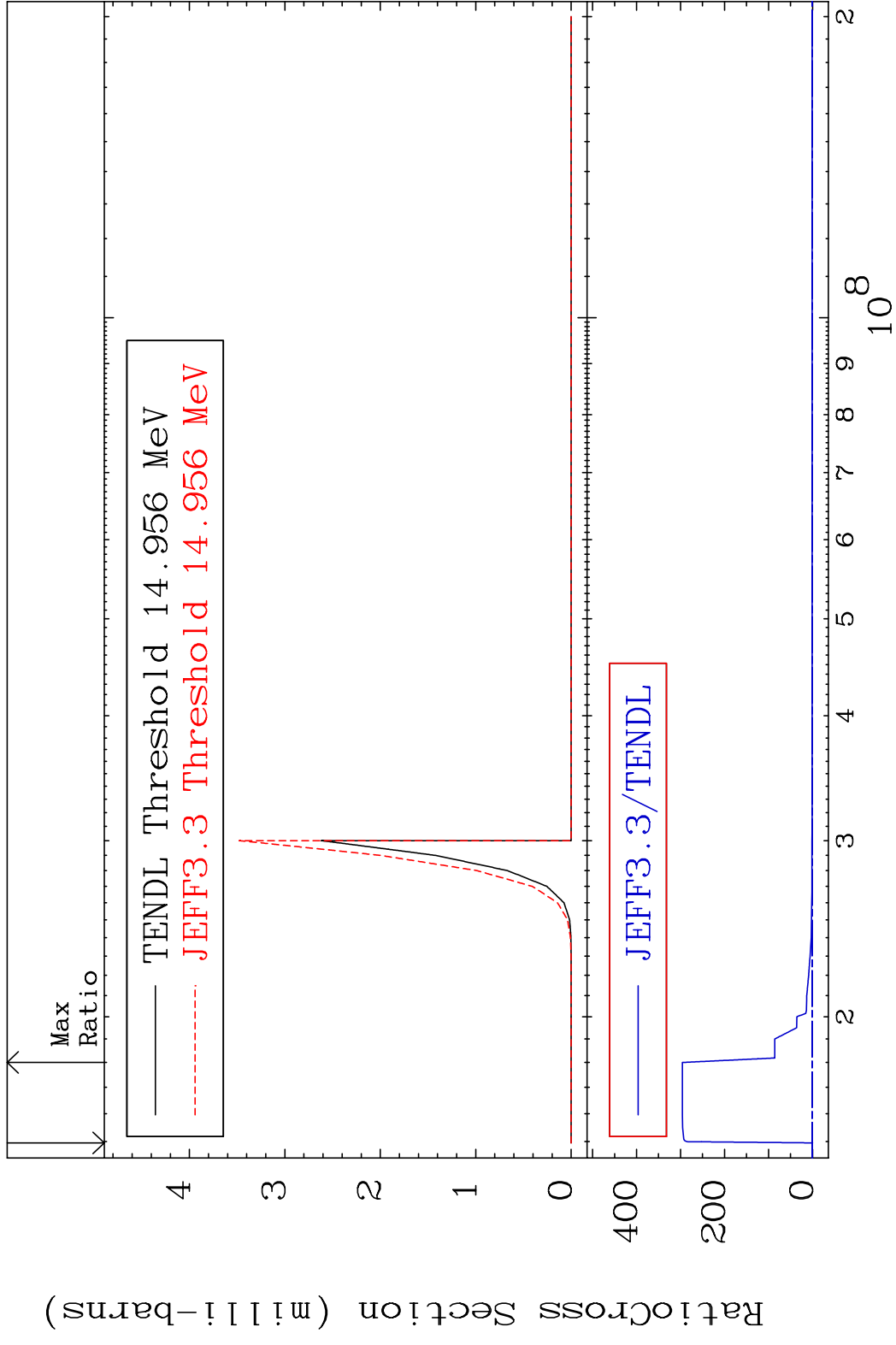
MAT 3834 (n, n')  $\alpha$  38-Sr-87  
 Cross Section -100.0 To 9999. %



7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 38-Sr-87



MAT 3834 (n,2n)  $\alpha$  38-Sr-87  
 Cross Section -100.0 To 9999. %

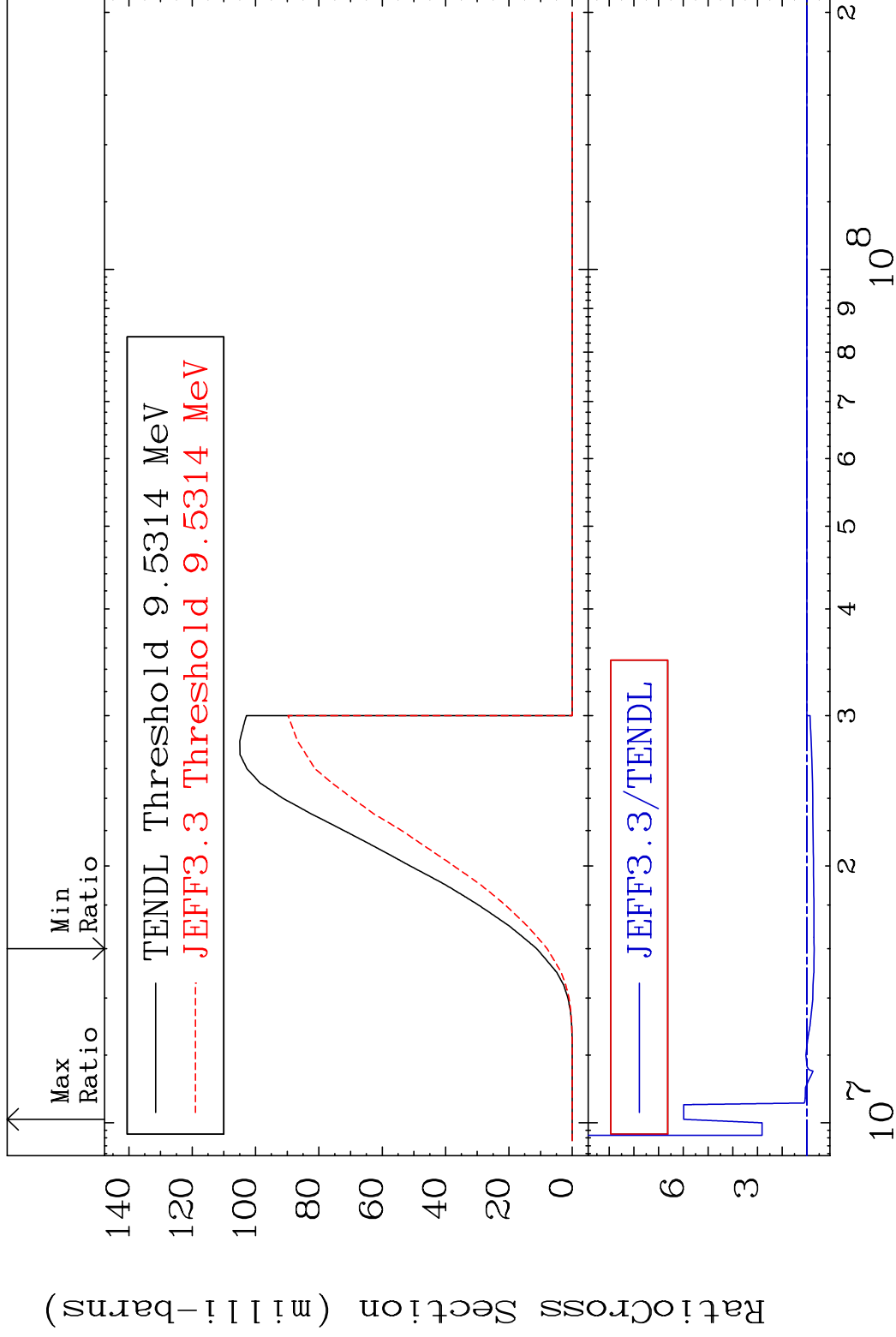


MAT 3834

(n, n') p

38-Sr-87

Cross Section -29.44 To 498.7 %



9

Incident Energy (eV)

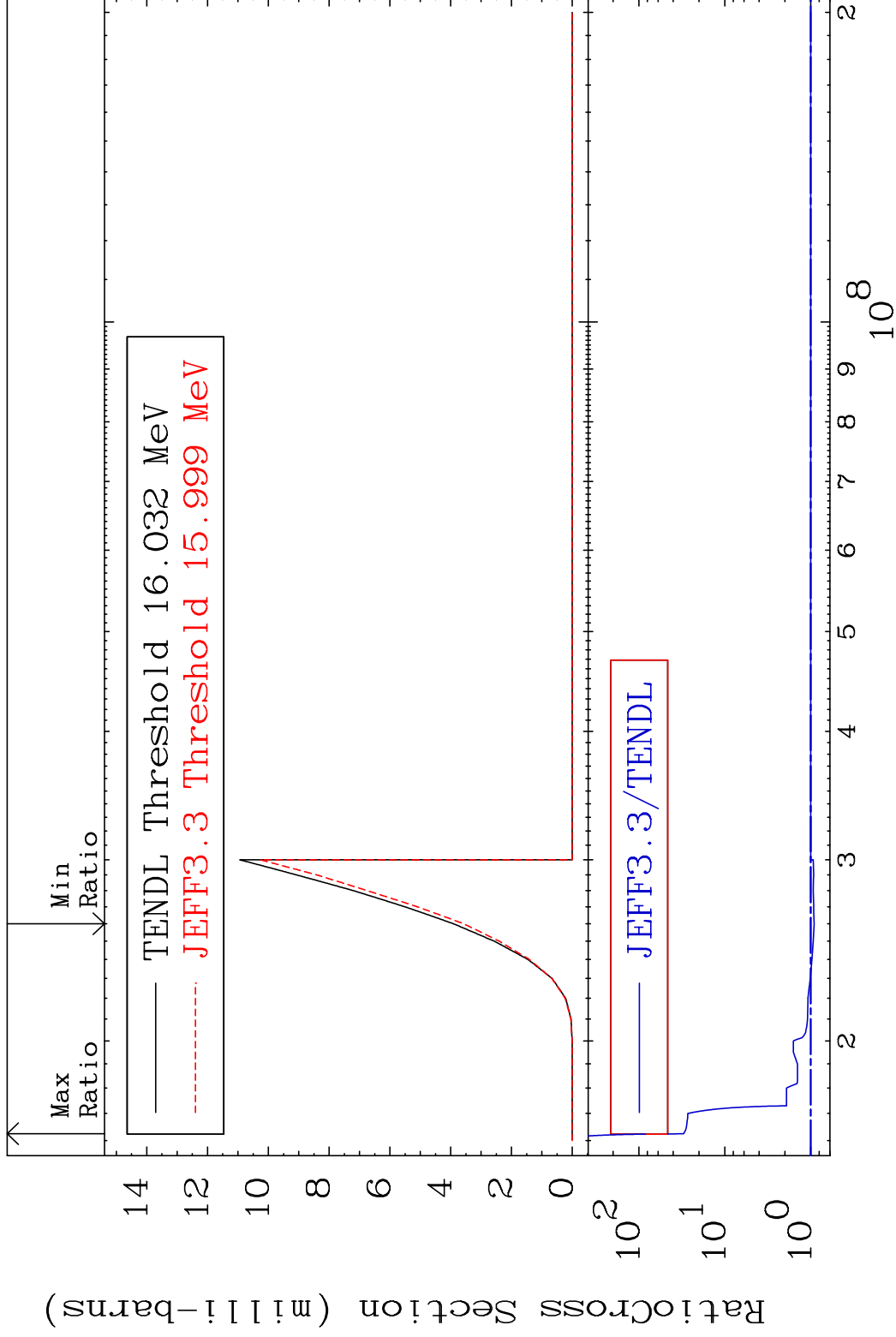
38-Sr-87

MAT 3834

(n, n') d

38-Sr-87

Cross Section -8.546 To 2917. %



10

Incident Energy (eV)

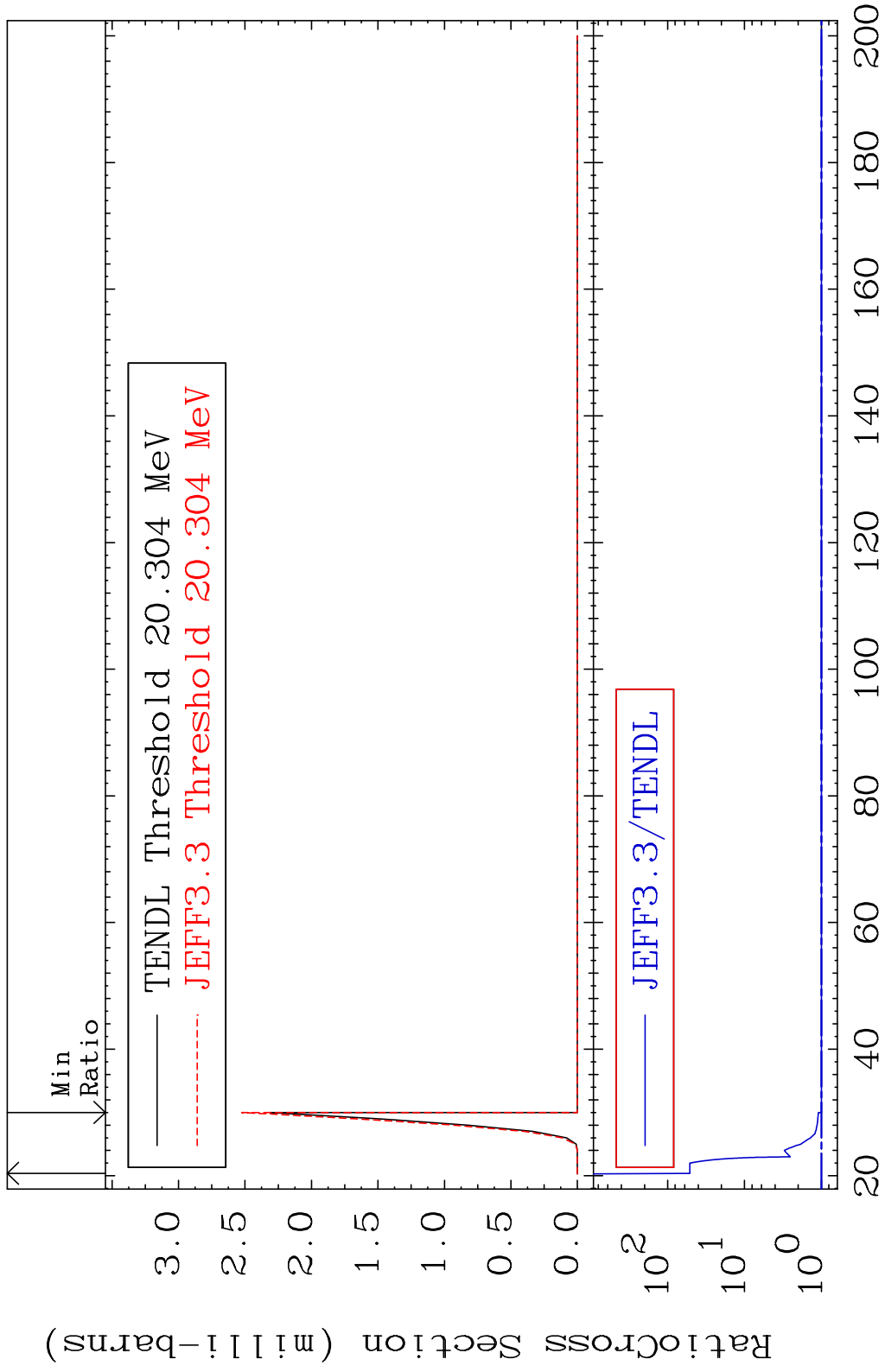
38-Sr-87

MAT 3834

(n, n') t

38-Sr-87

Cross Section 0.000 To 5055. %

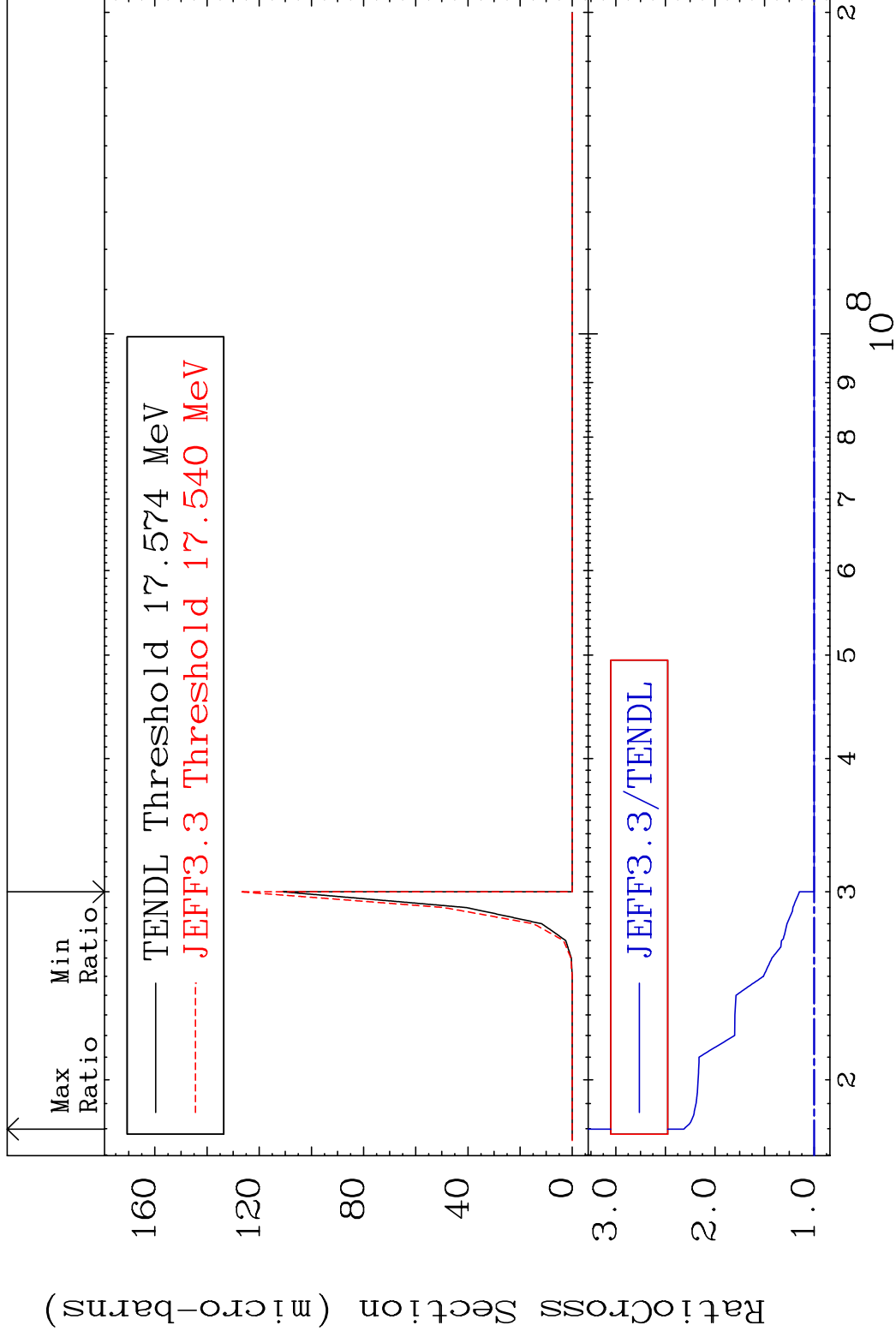


MAT 3834

(n,n') He-3

38-Sr-87

Cross Section 0.000 To 131.5 %

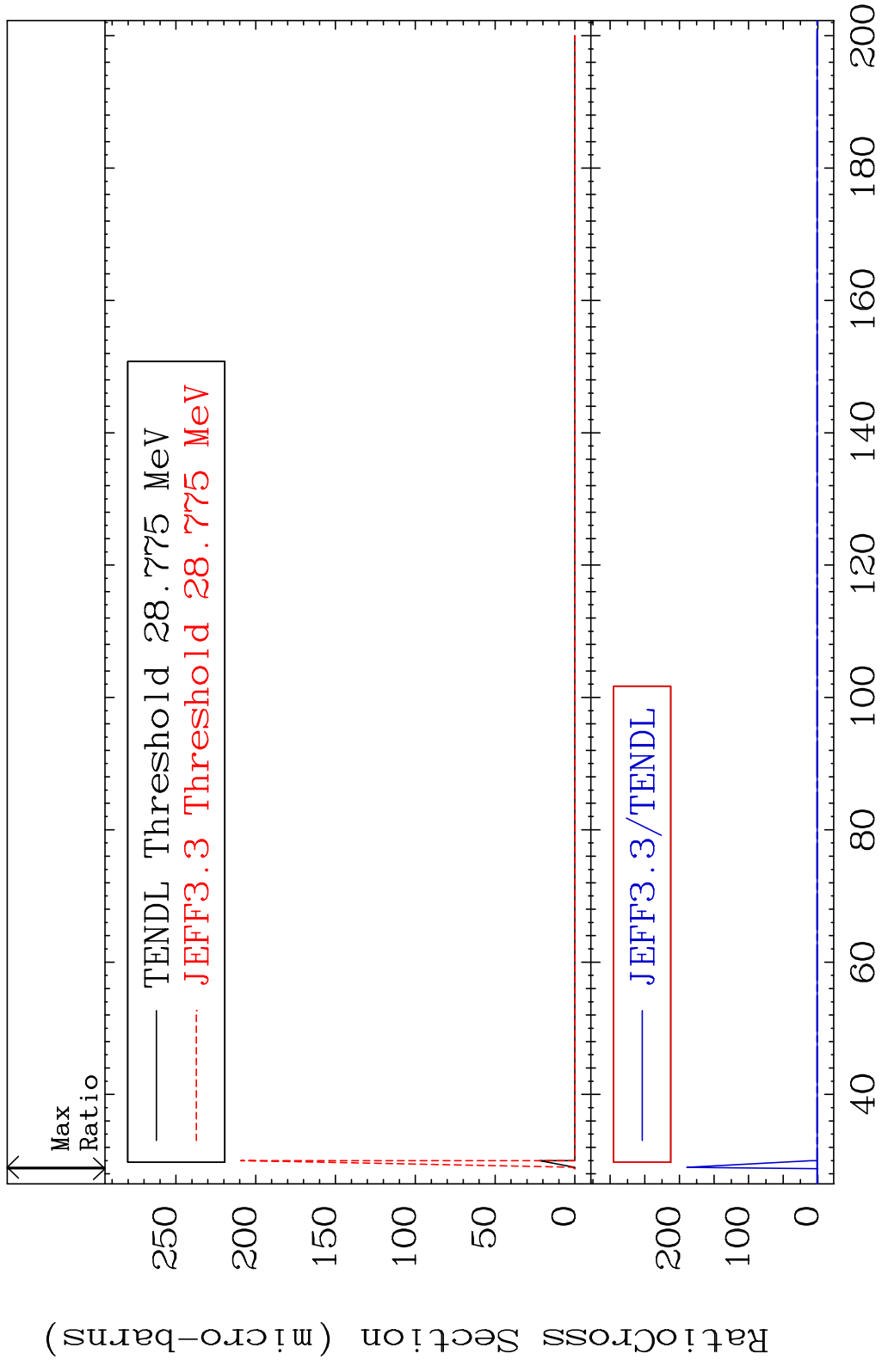


12

Incident Energy (eV)

38-Sr-87

MAT 3834 (n,4n) 38-Sr-87  
 Cross Section -100.0 To 9999. %

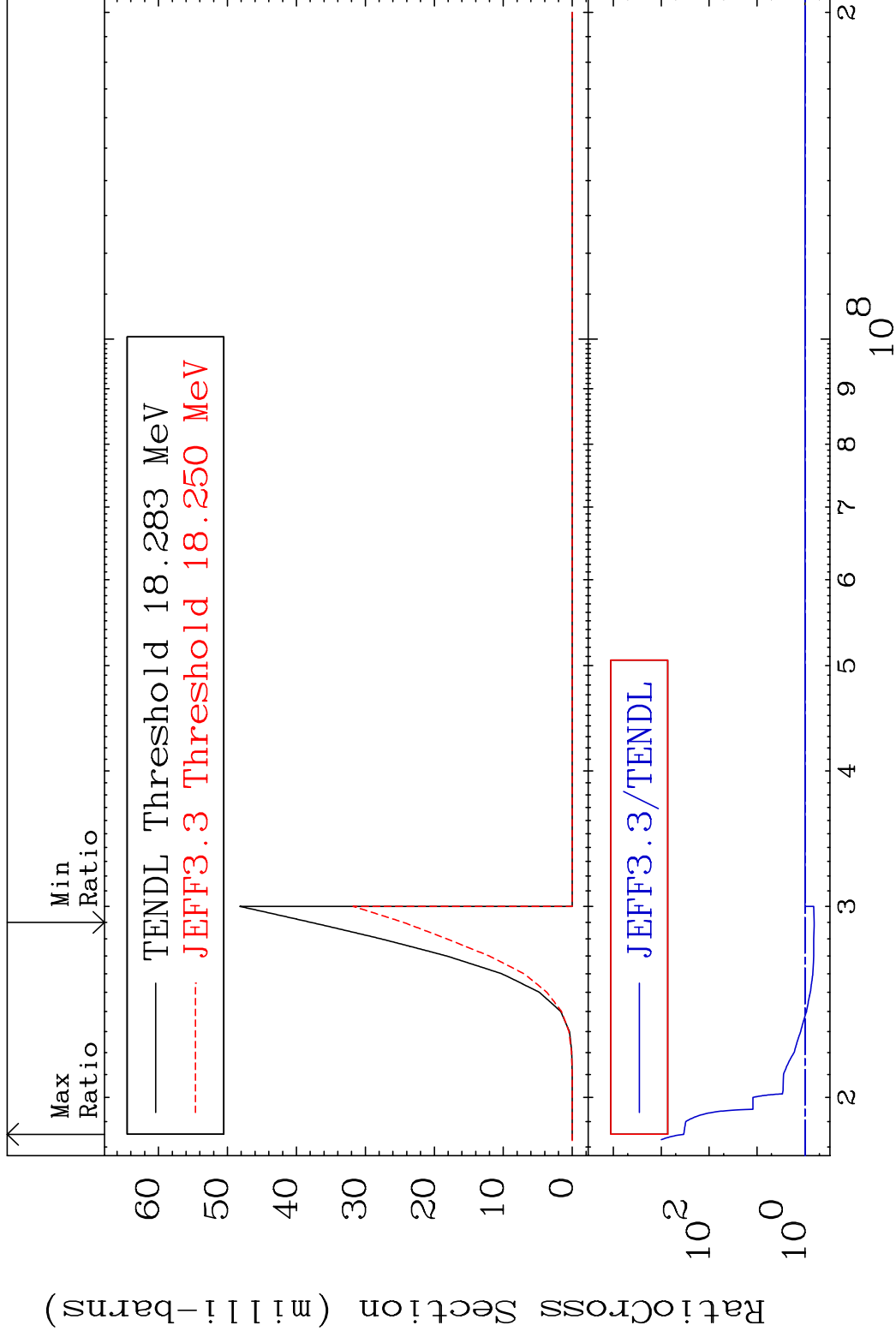


MAT 3834

(n,2n) p

38-Sr-87

Cross Section -35.42 To 9999. %



14

Incident Energy (eV)

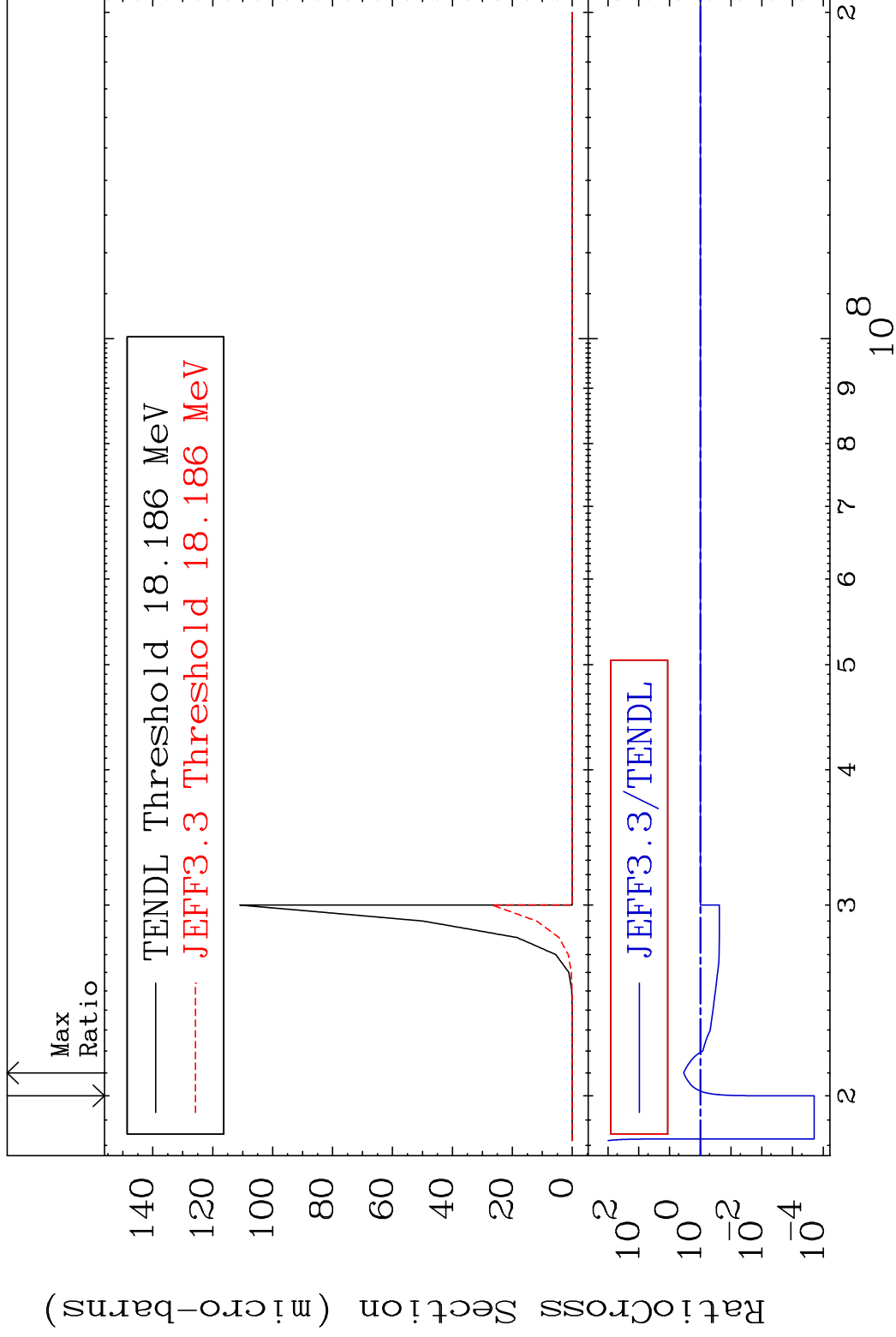
38-Sr-87

MAT 3834

(n,2n) p

38-Sr-87

Cross Section -99.98 To 246.7 %



15

Incident Energy (eV)

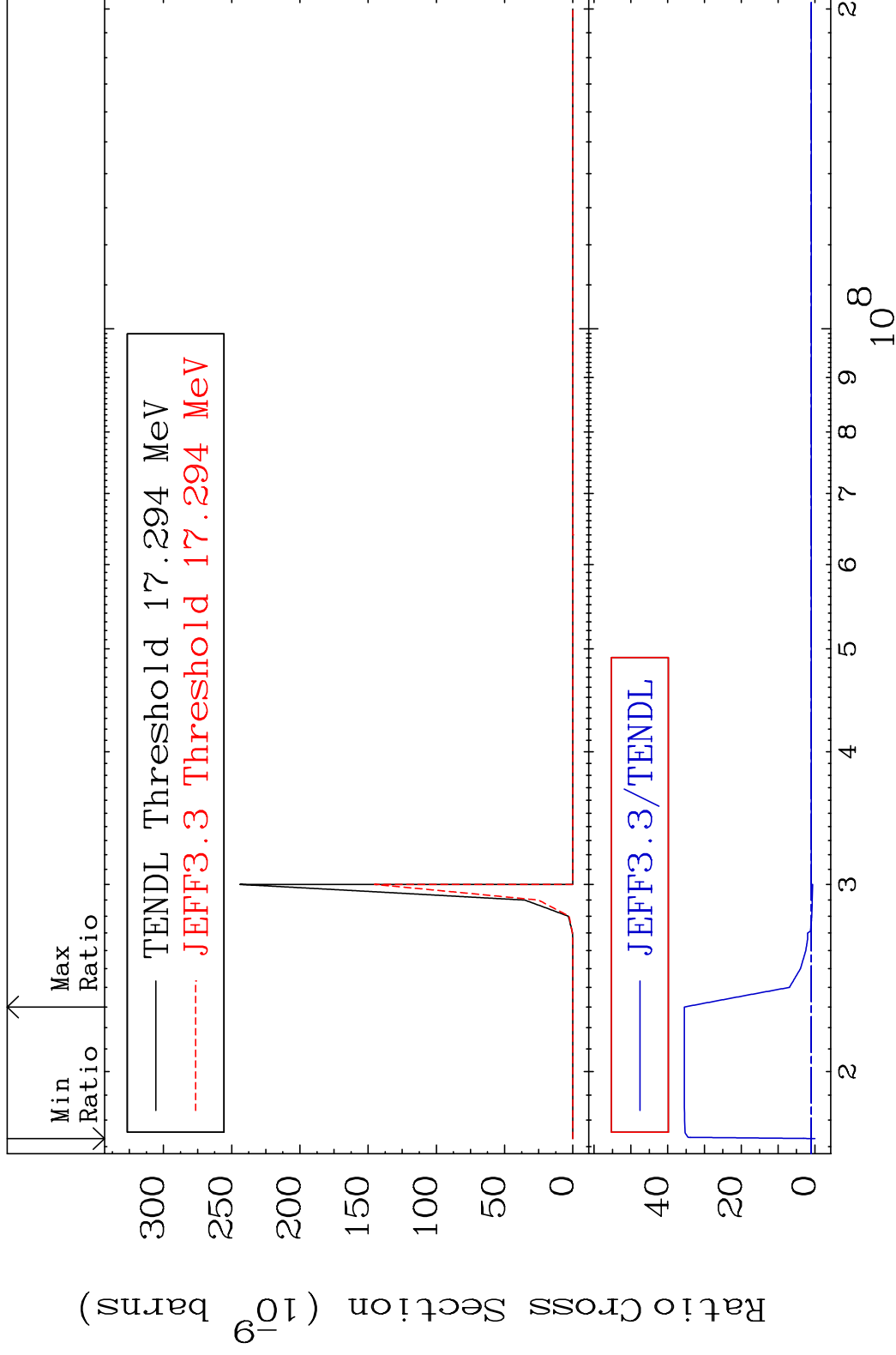
38-Sr-87



MAT 3834

(n,n') p  $\alpha$  38-Sr-87

Cross Section -100.0 To 3448. %

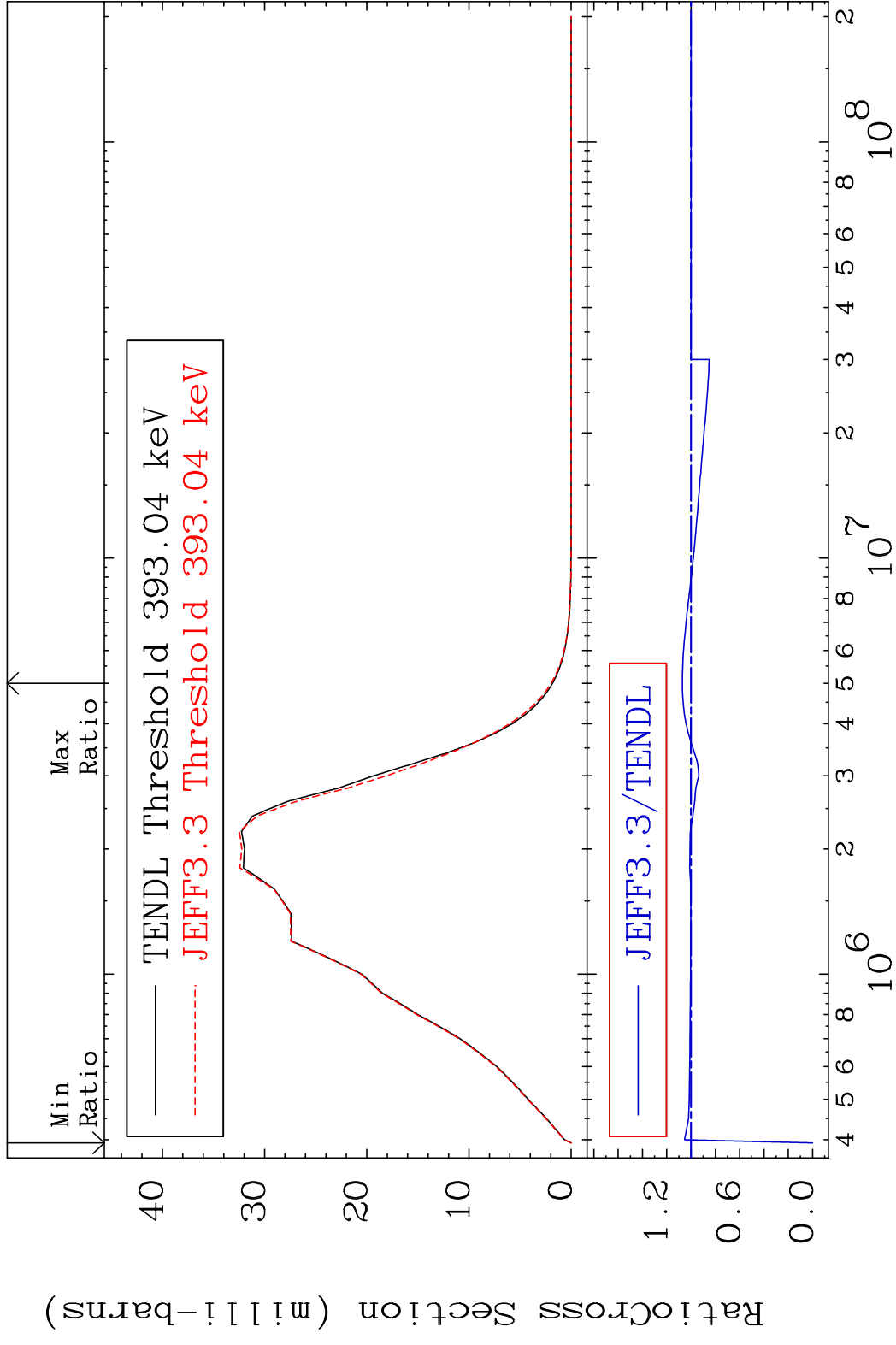


16

Incident Energy (eV)

38-Sr-87

MAT 3834 MT= 51 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 7.155 %

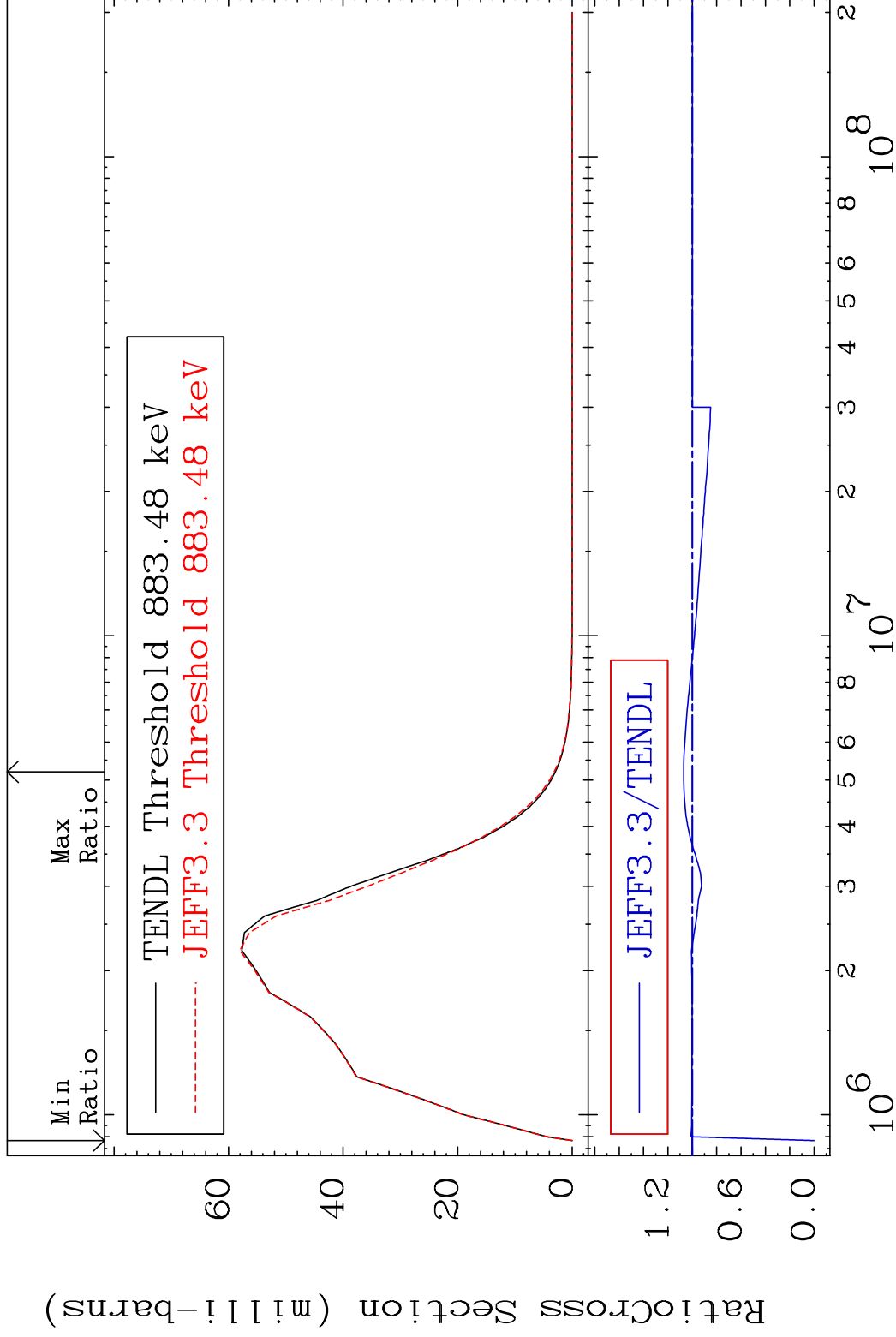


MAT 3834

MT= 52 (n, n') Level

38-Sr-87

Cross Section -100.0 To 7.077 %

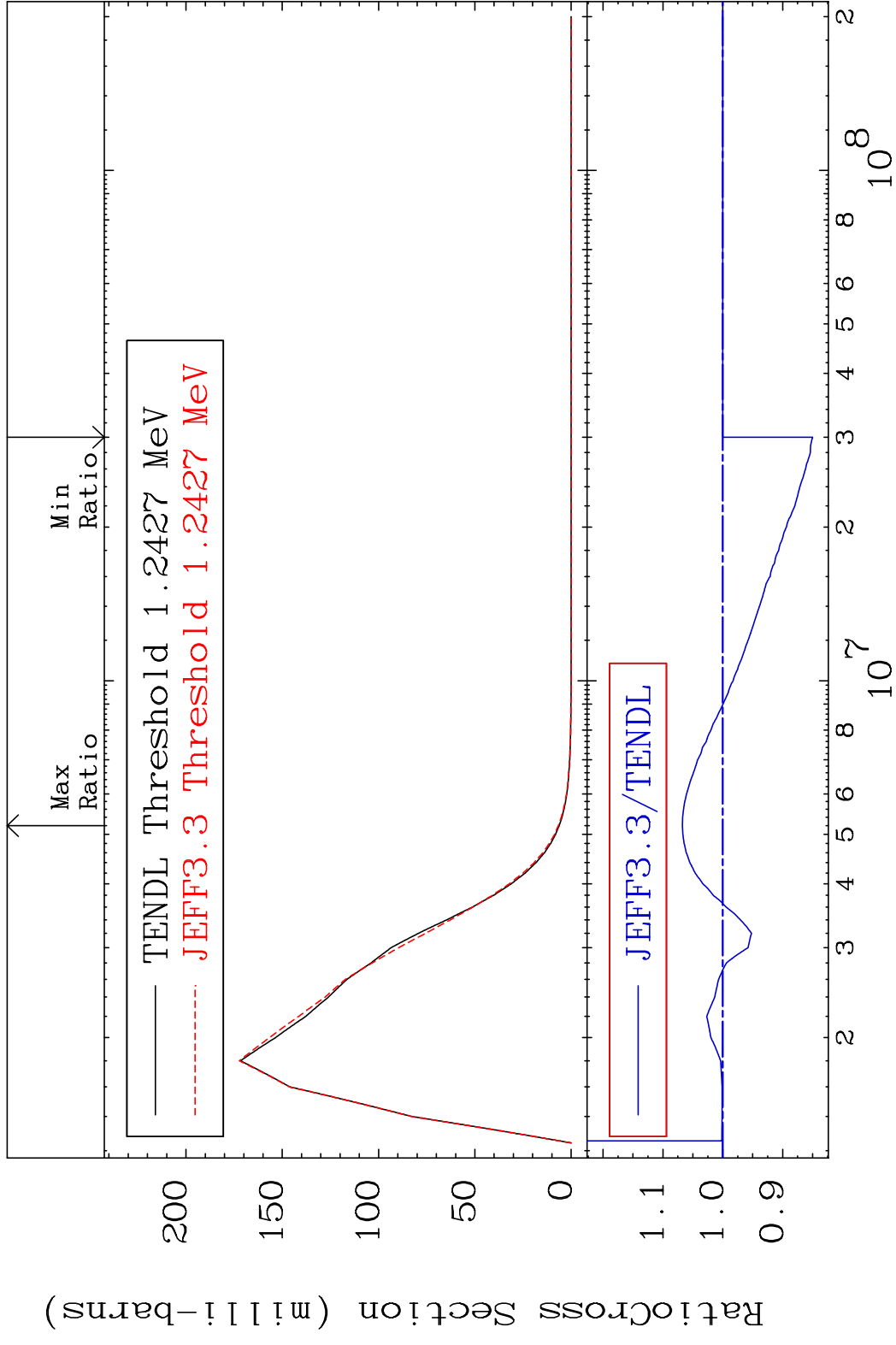


18

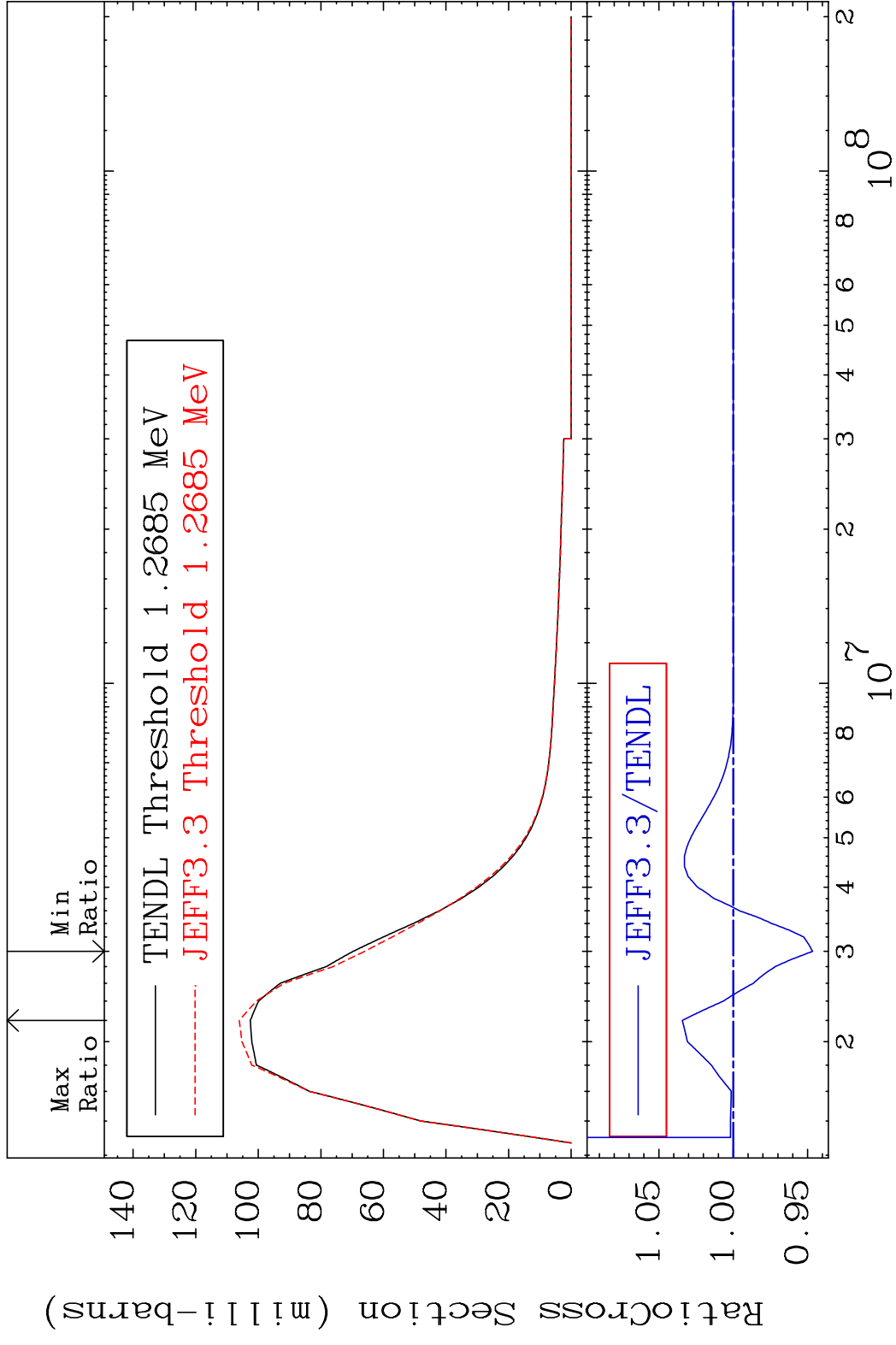
Incident Energy (eV)

38-Sr-87

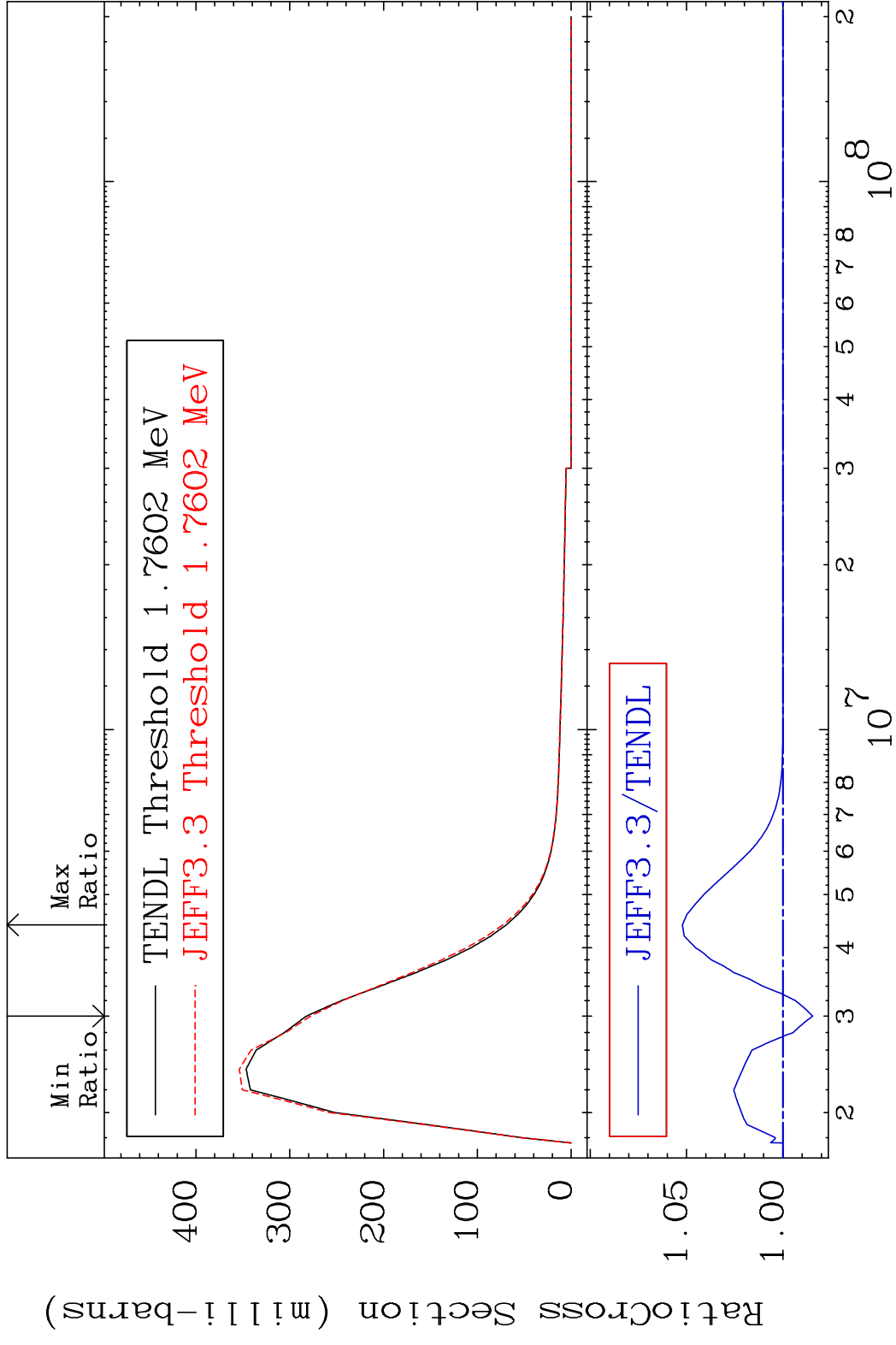
MAT 3834 MT= 53 (n, n') Level 38-Sr-87  
 Cross Section -14.99 To 6.757 %



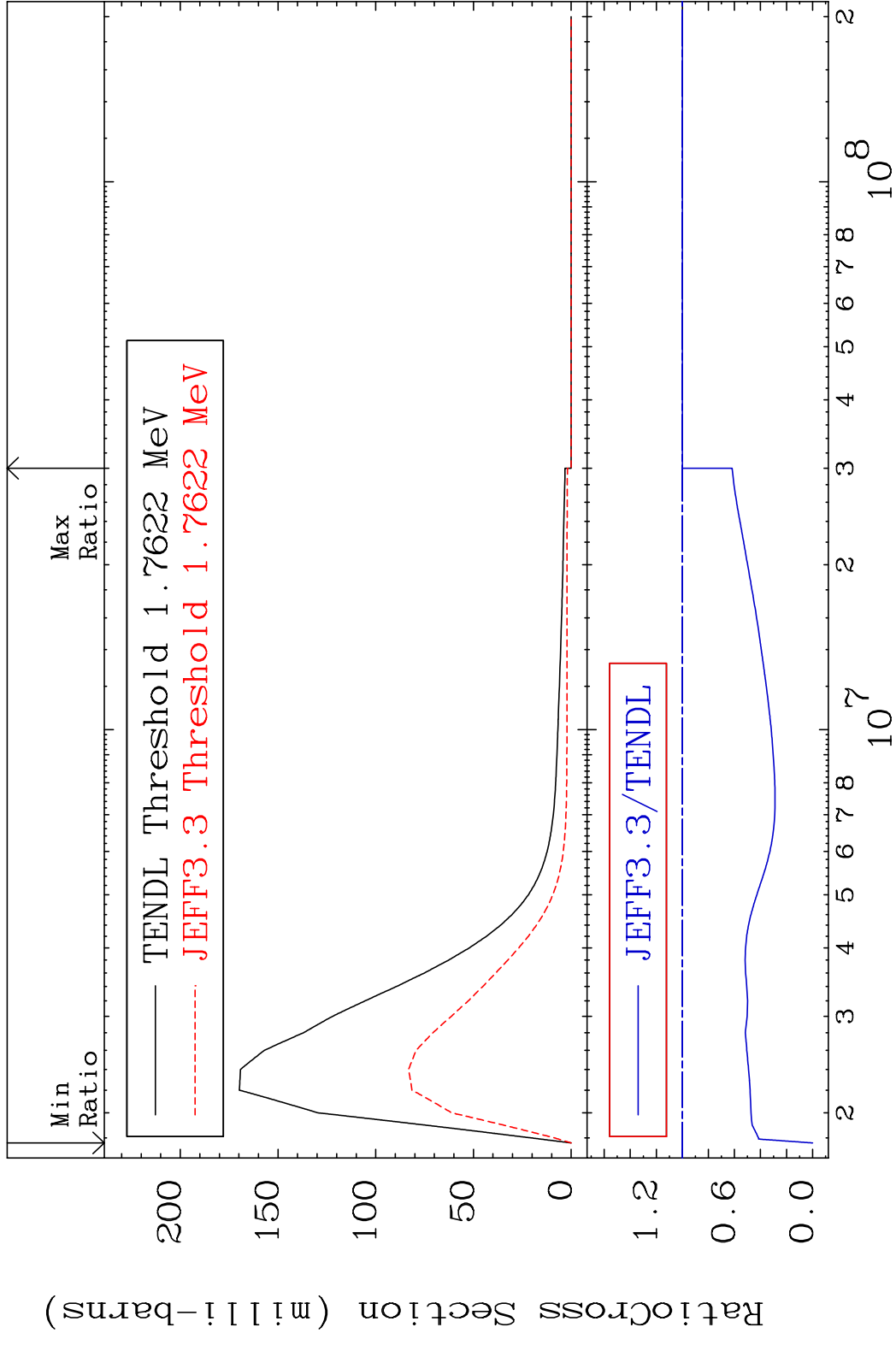
MAT 3834 MT= 54 (n, n') Level 38-Sr-87  
 Cross Section -5.331 To 3.417 %



MAT 3834 MT= 55 (n, n') Level 38-Sr-87  
 Cross Section -1.541 To 5.218 %



MAT 3834 MT= 56 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 0.000 %

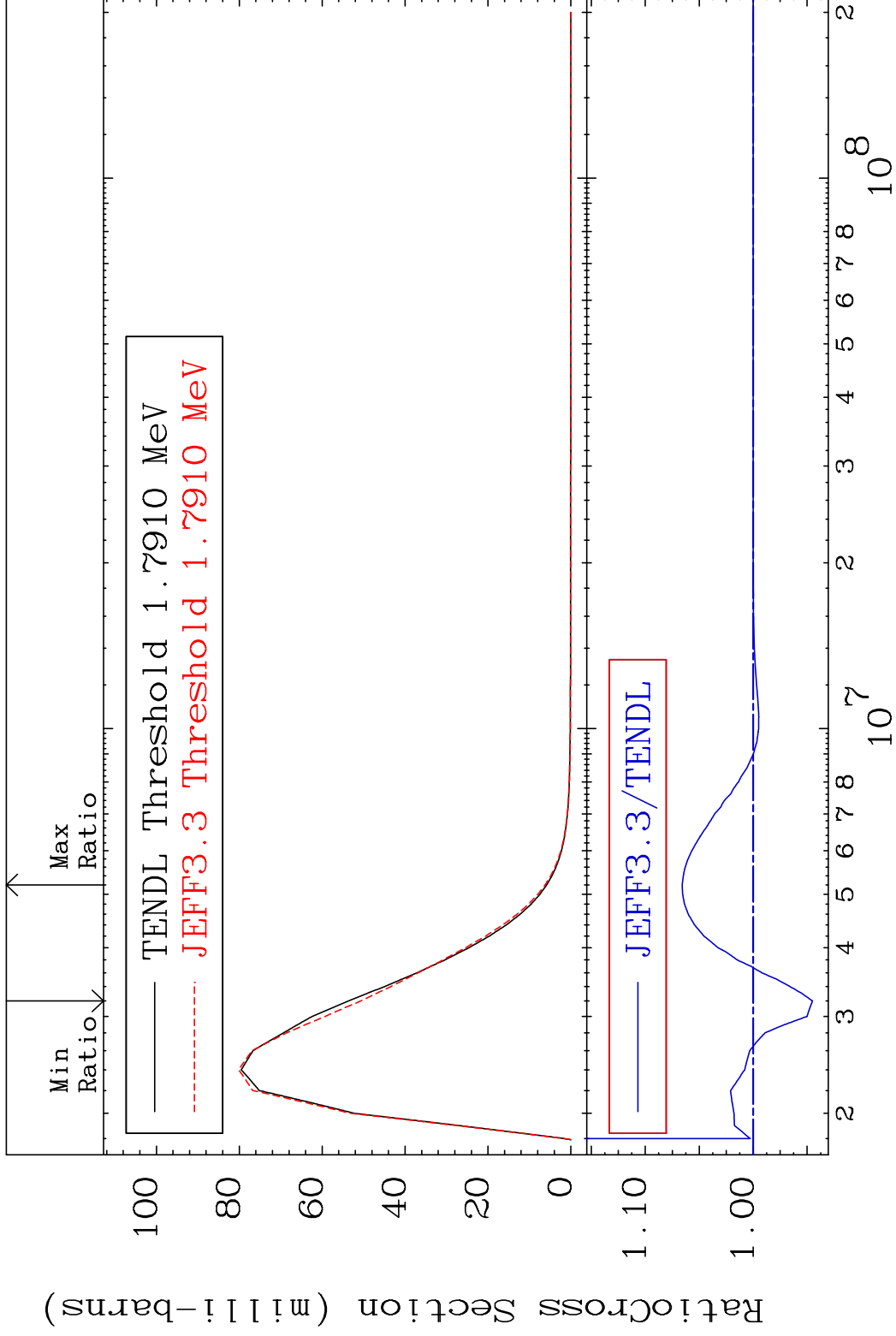


MAT 3834

MT= 57 (n,n') Level

38-Sr-87

Cross Section -5.493 To 6.583 %



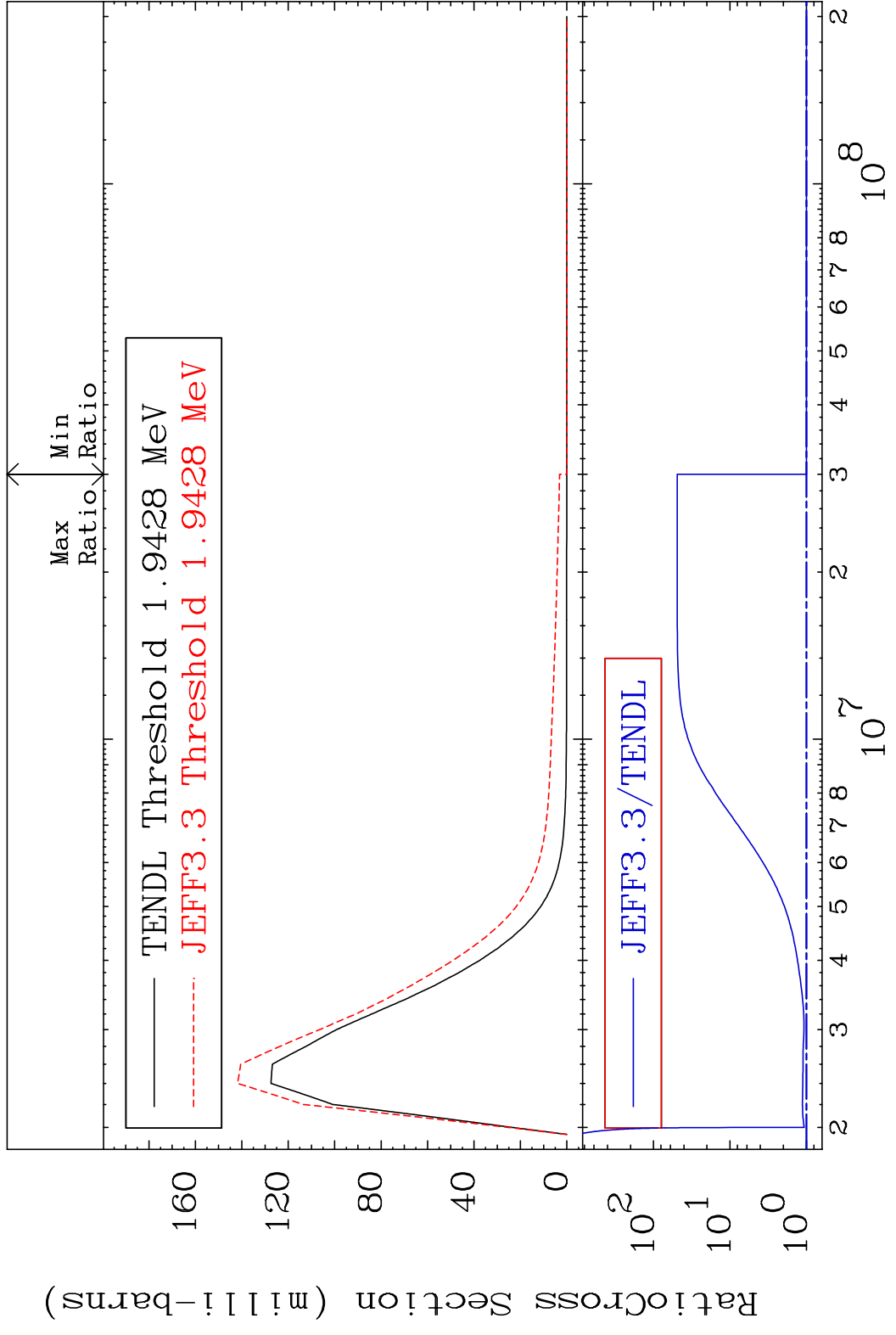
23

Incident Energy (eV)

38-Sr-87

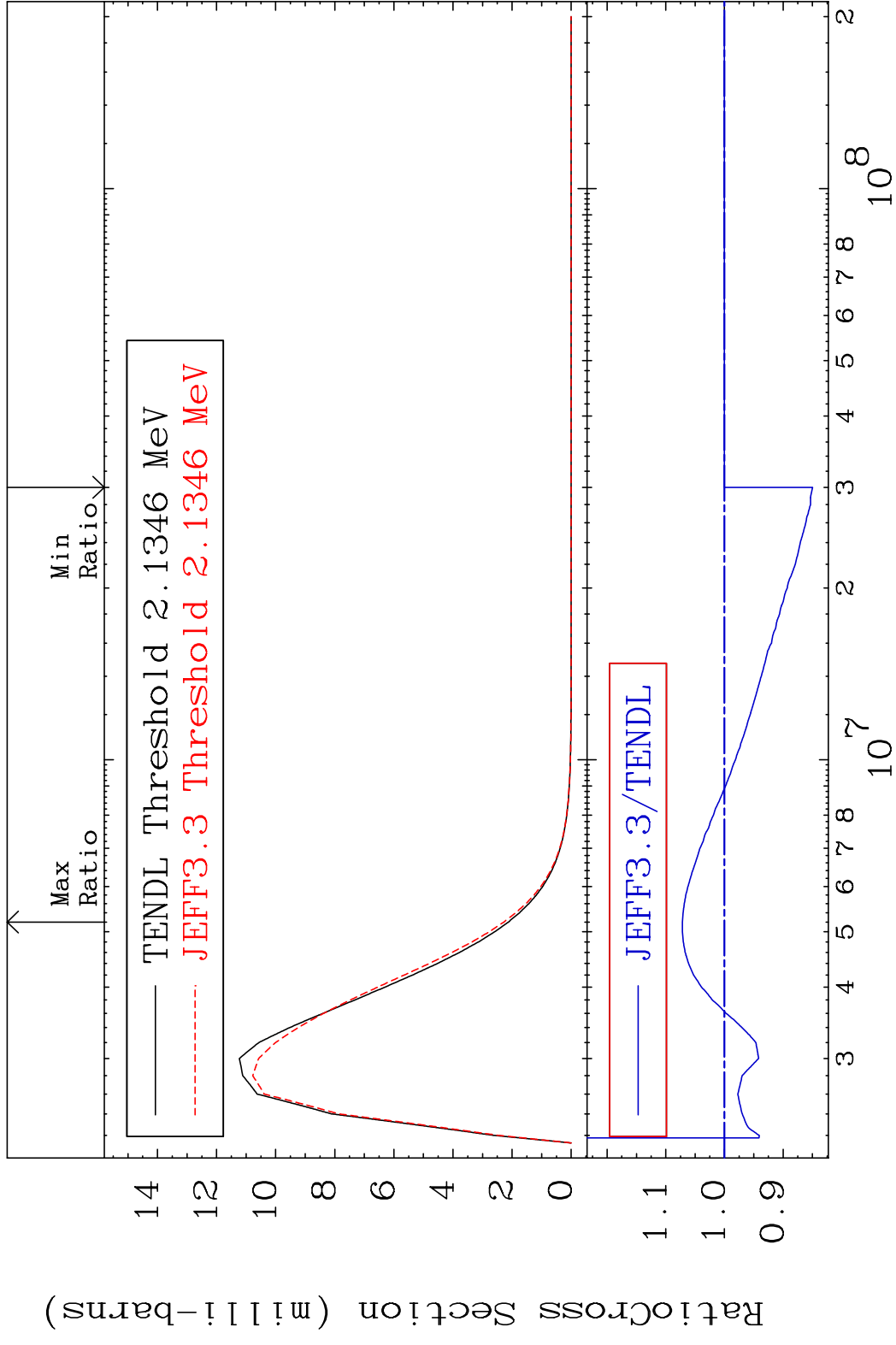


MAT 3834 MT= 58 (n, n') Level 38-Sr-87  
 Cross Section 0.000 To 4800. %

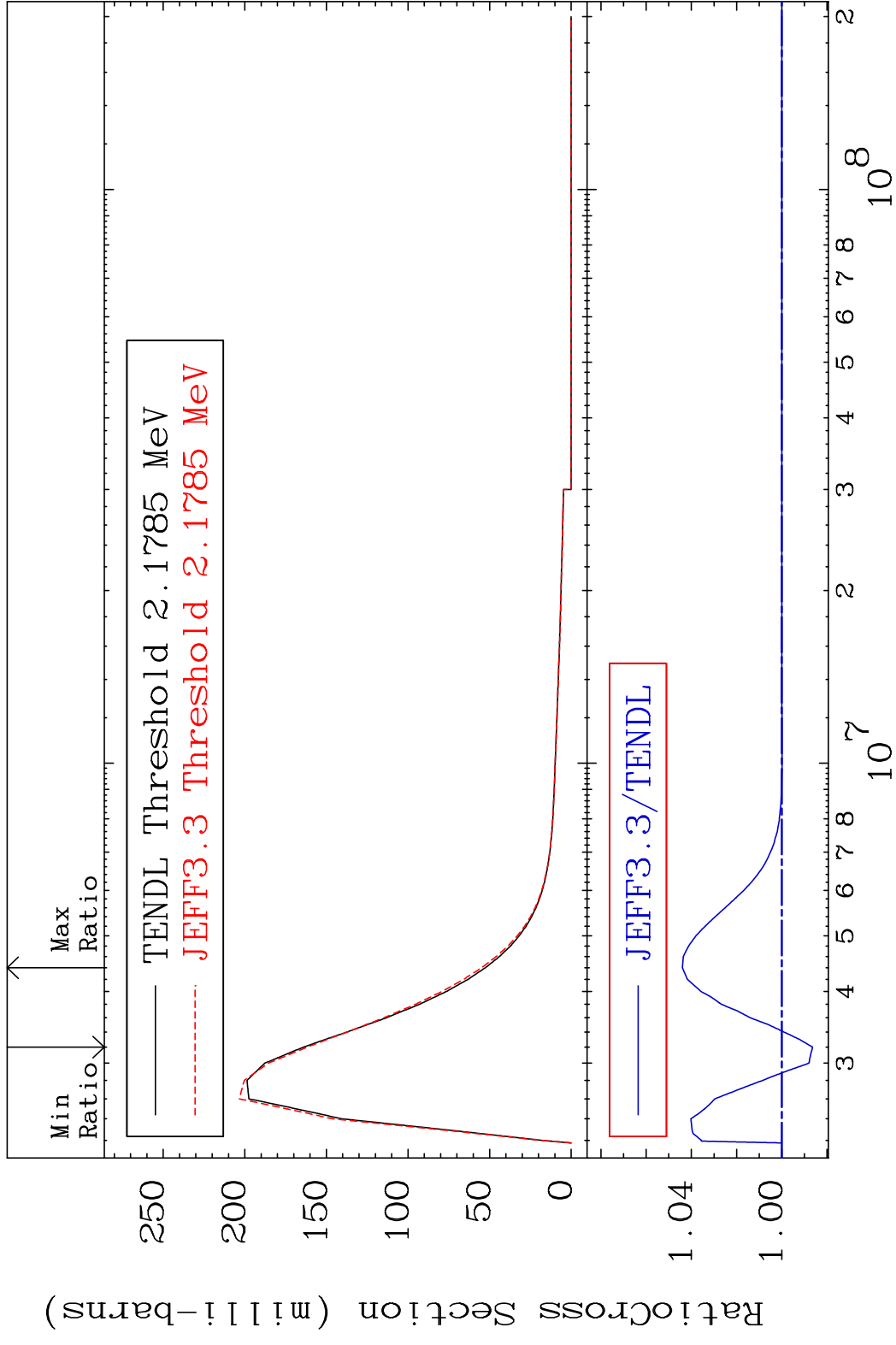


24 Incident Energy (eV) 38-Sr-87

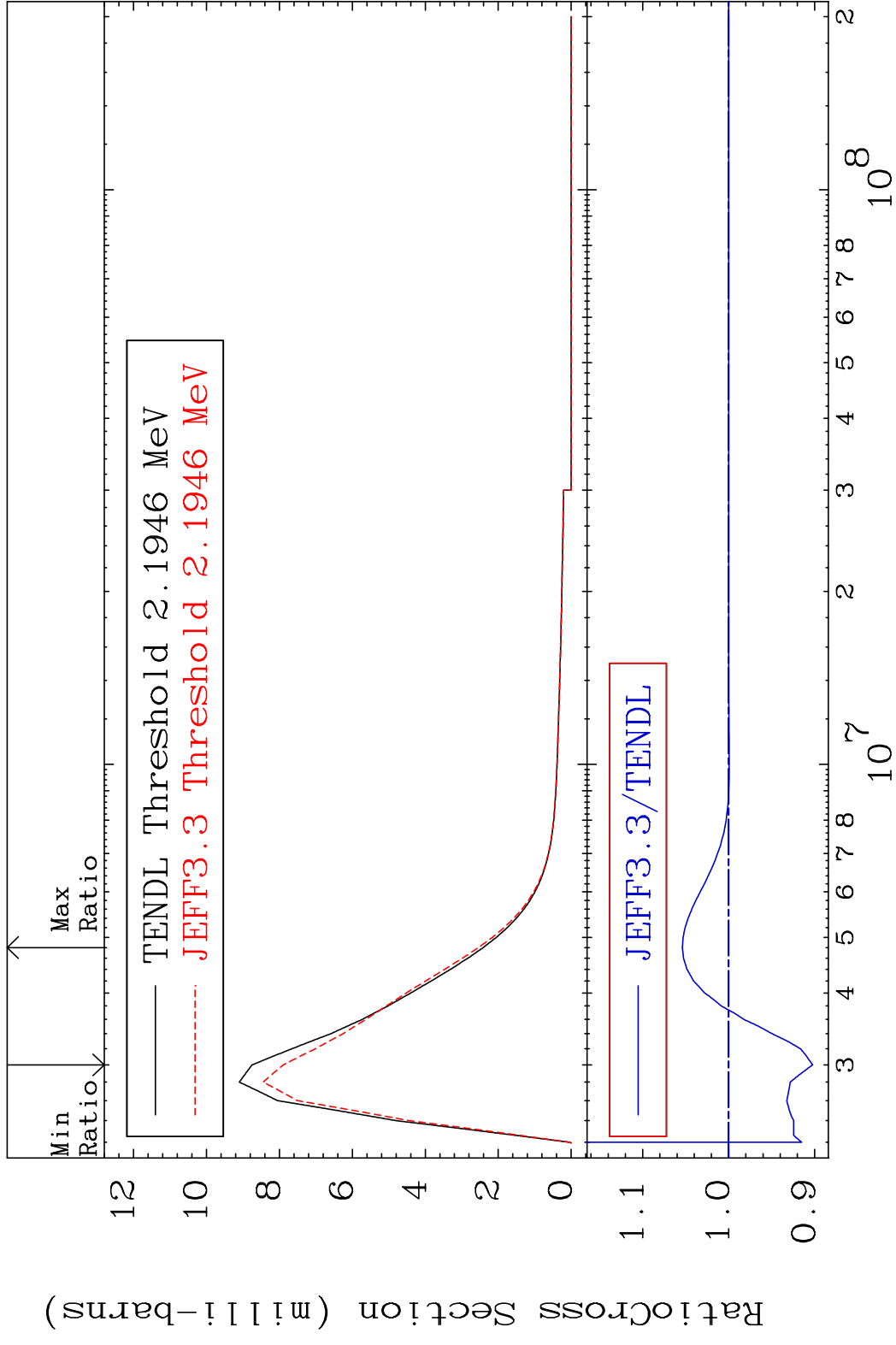
MAT 3834 MT= 59 (n, n') Level 38-Sr-87  
 Cross Section -15.02 To 7.178 %



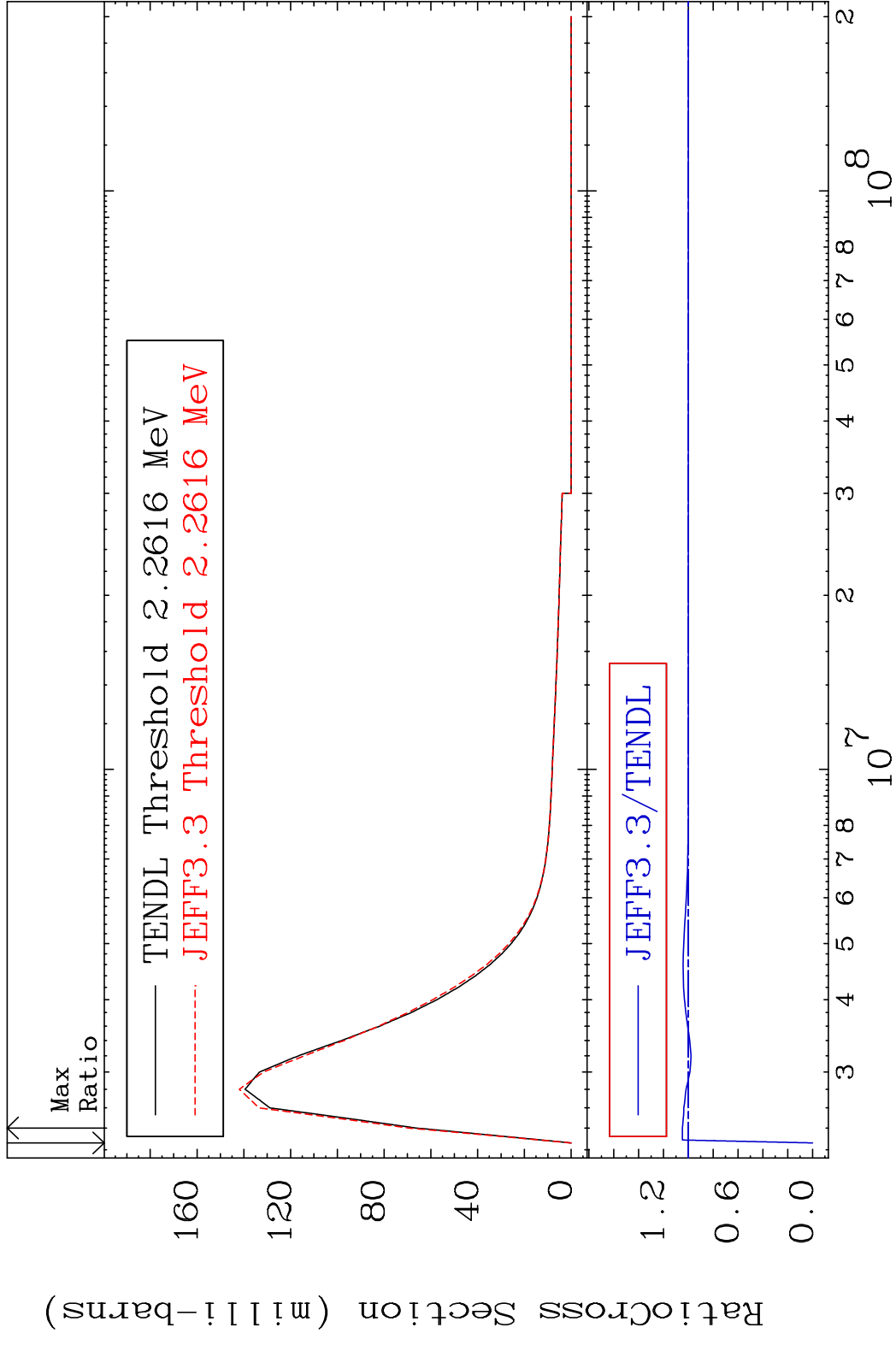
MAT 3834 MT= 60 (n, n') Level 38-Sr-87  
 Cross Section -1.359 To 4.398 %



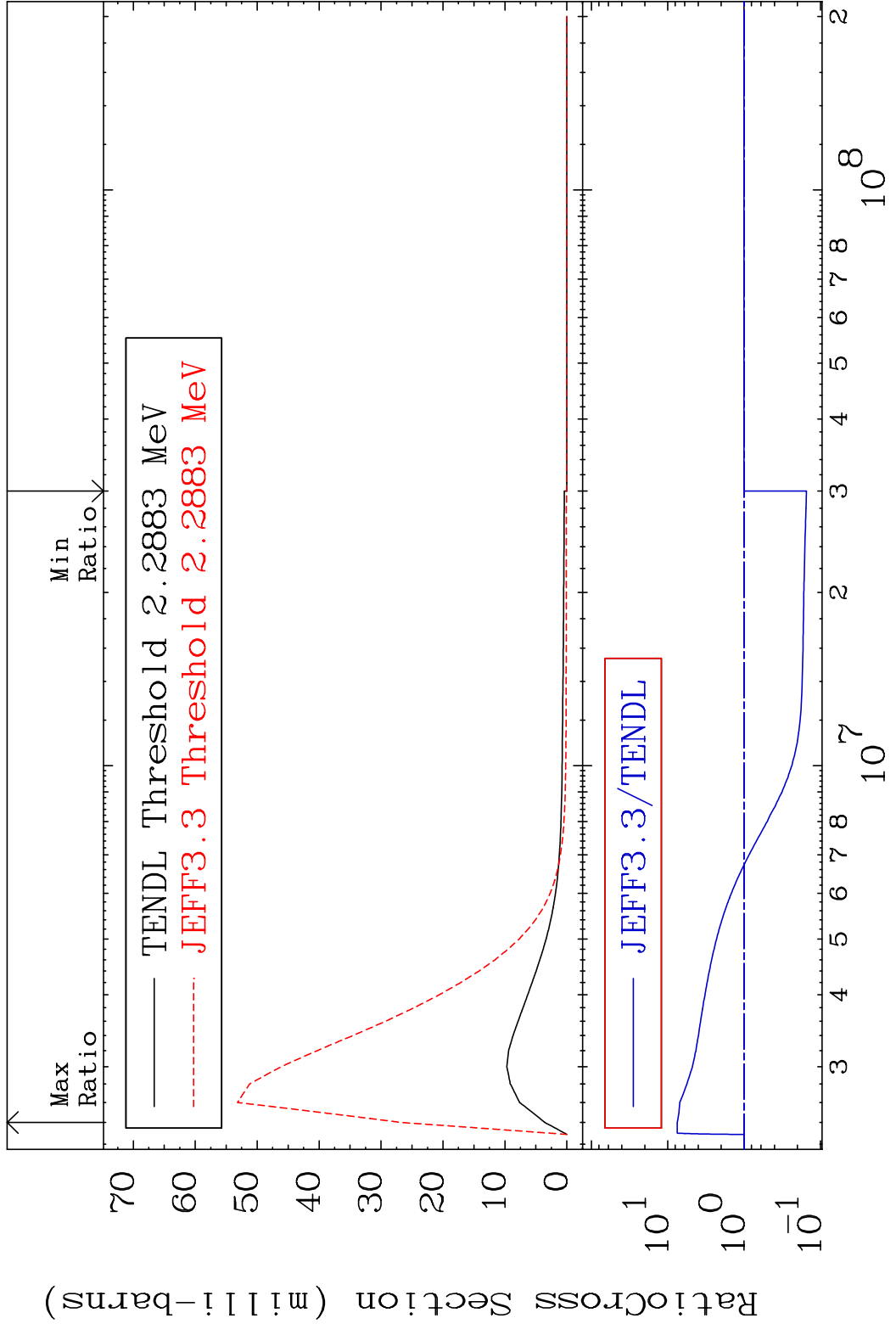
MAT 3834 MT= 61 (n, n') Level 38-Sr-87  
 Cross Section -9.759 To 5.381 %



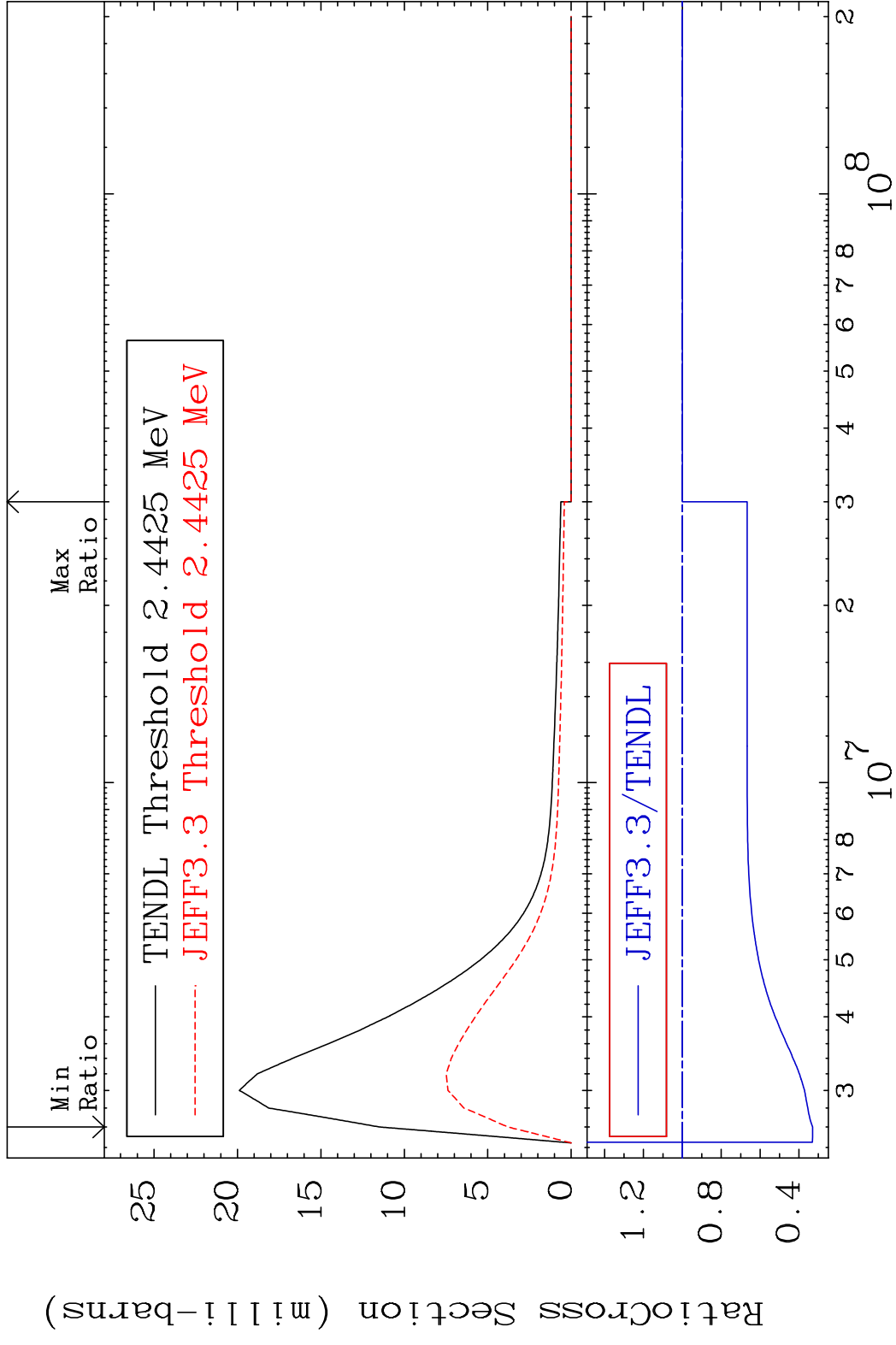
MAT 3834 MT= 62 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 4.804 %



MAT 3834 MT= 63 (n, n') Level 38-Sr-87  
 Cross Section -84.75 To 653.3 %

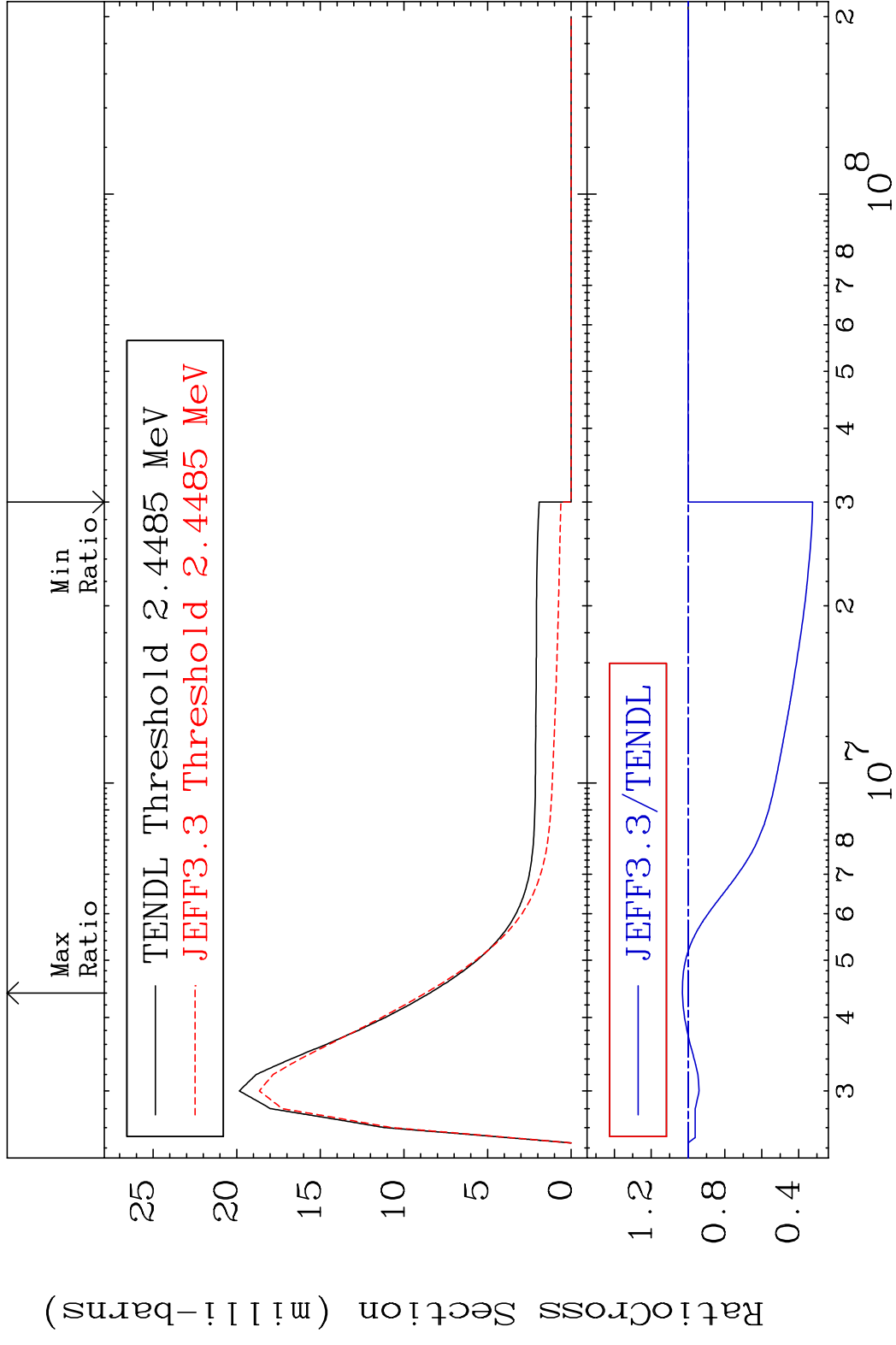


MAT 3834 MT= 64 (n, n') Level 38-Sr-87  
 Cross Section -66.98 To 0.000 %



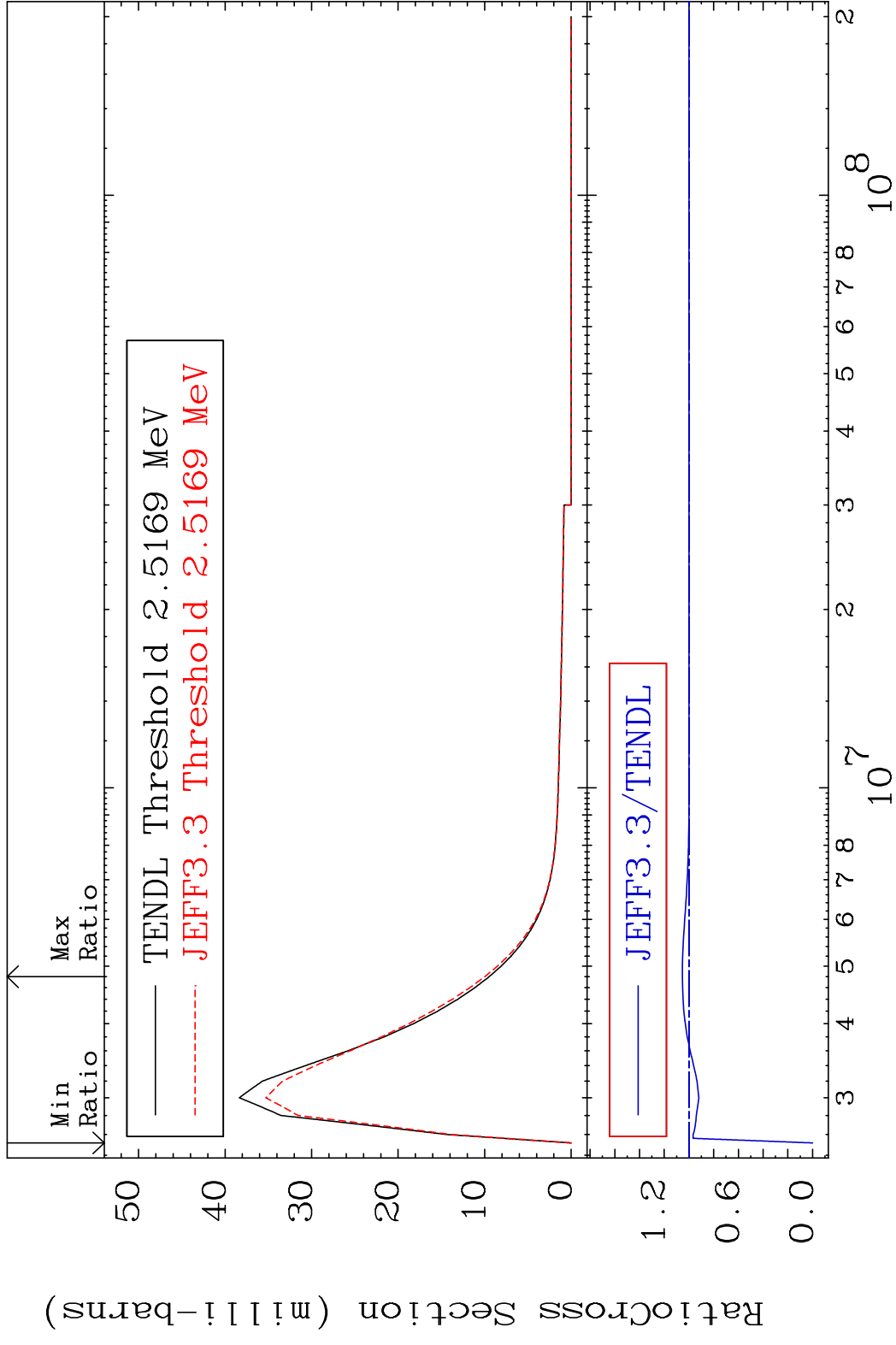
30 Incident Energy (eV) 38-Sr-87

MAT 3834 MT= 65 (n, n') Level 38-Sr-87  
 Cross Section -67.56 To 3.085 %

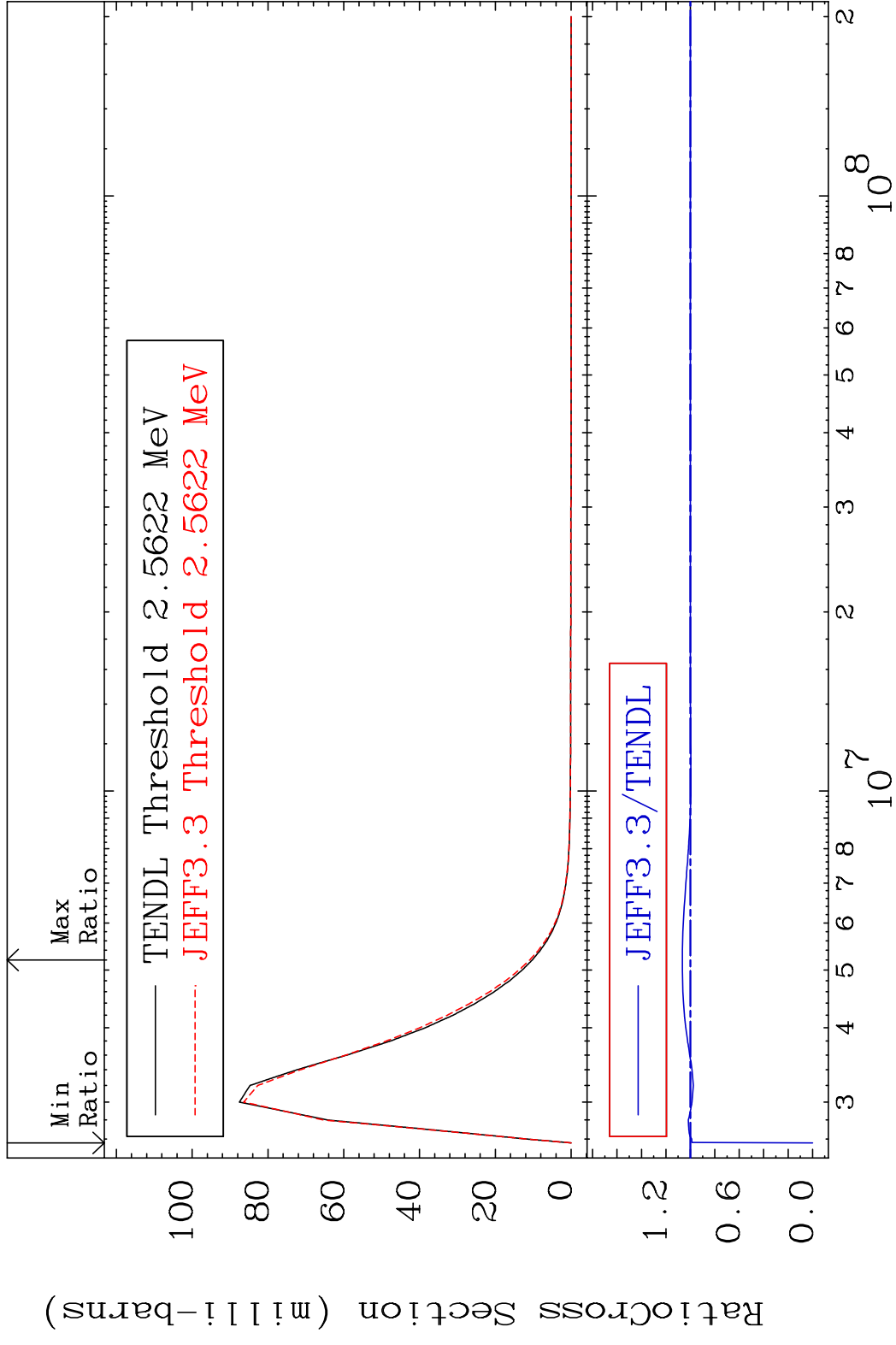




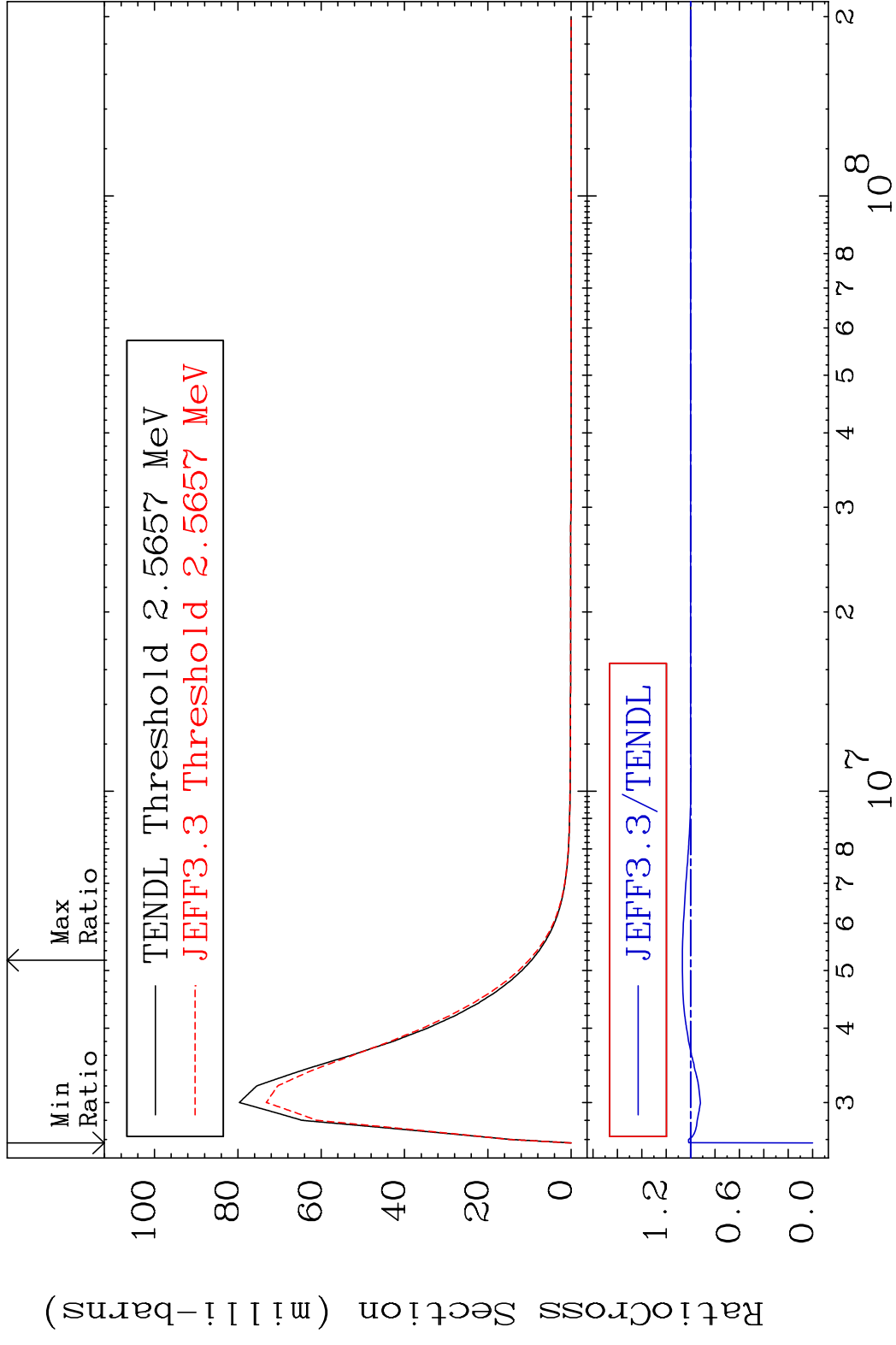
MAT 3834 MT= 66 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 5.341 %



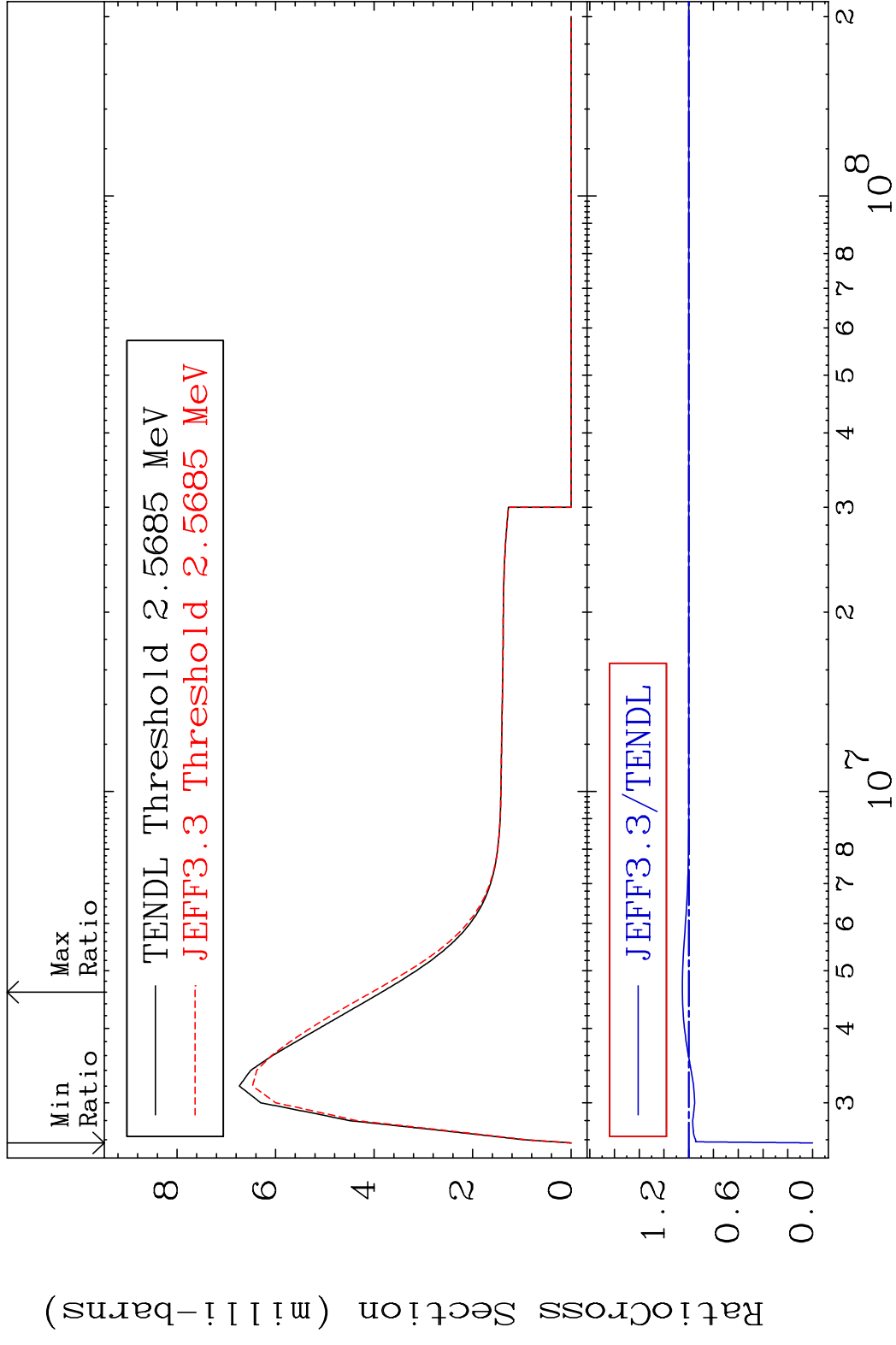
MAT 3834 MT= 67 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 6.553 %



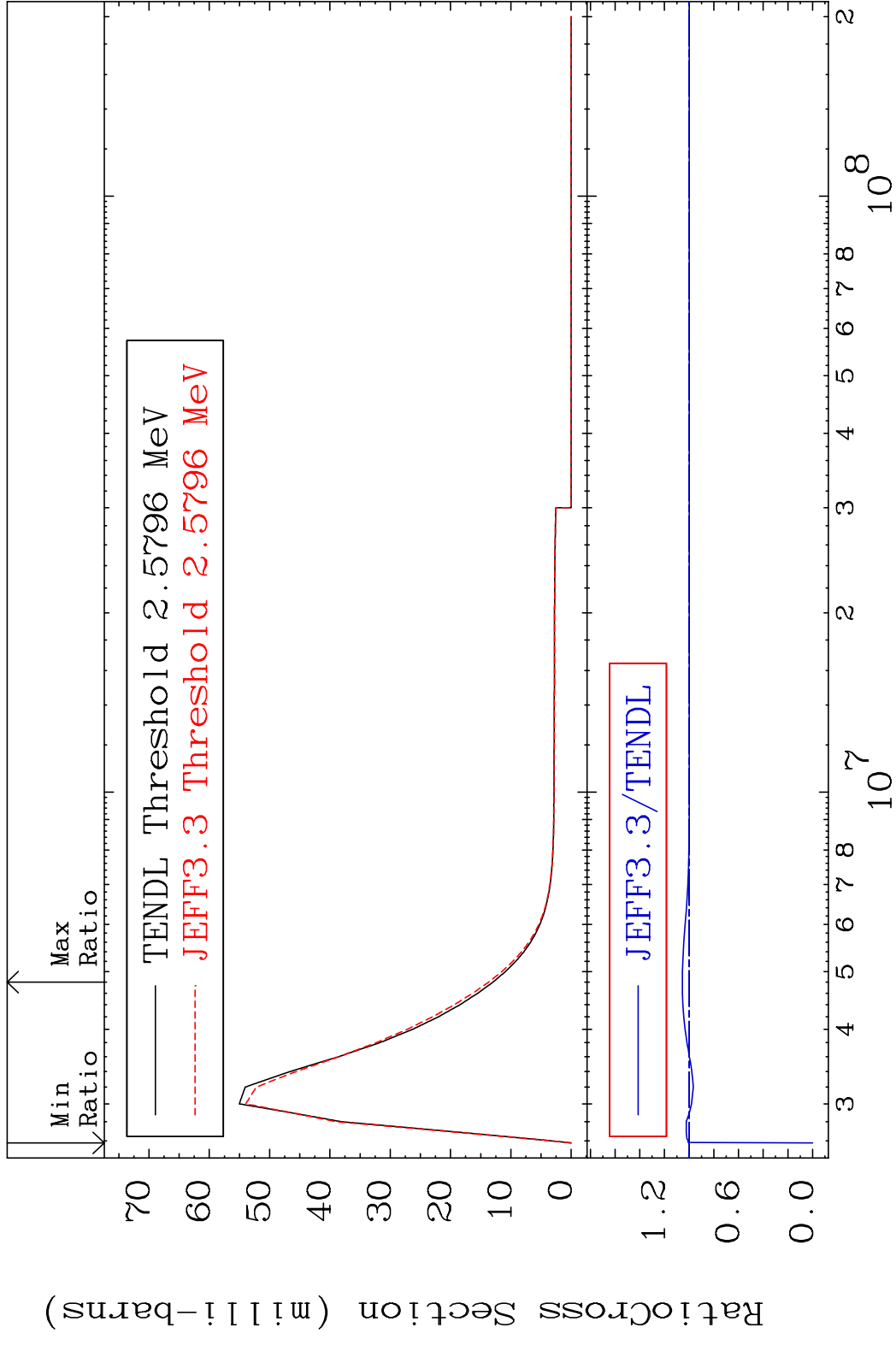
MAT 3834 MT= 68 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 6.700 %



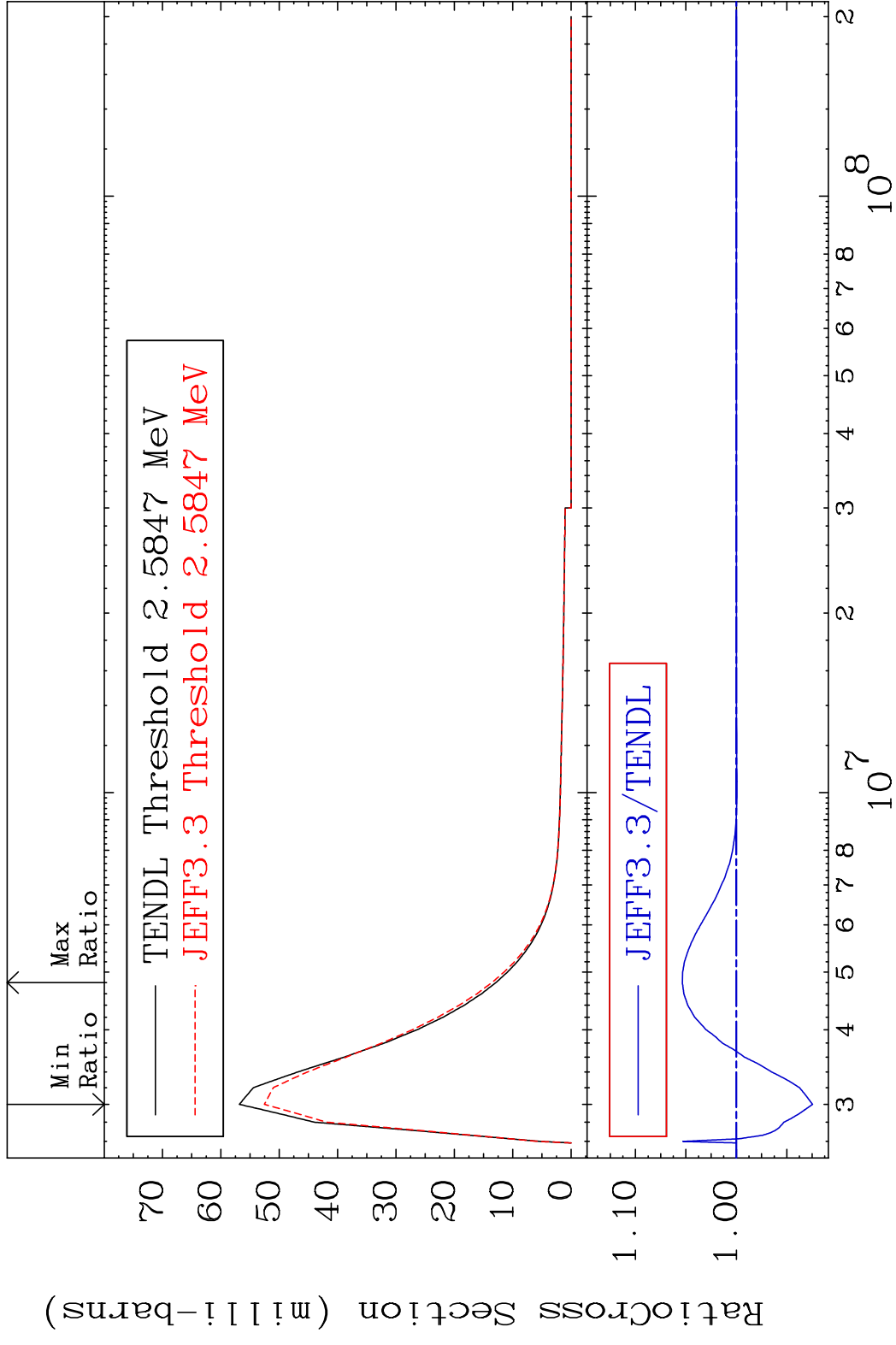
MAT 3834 MT= 69 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 5.168 %



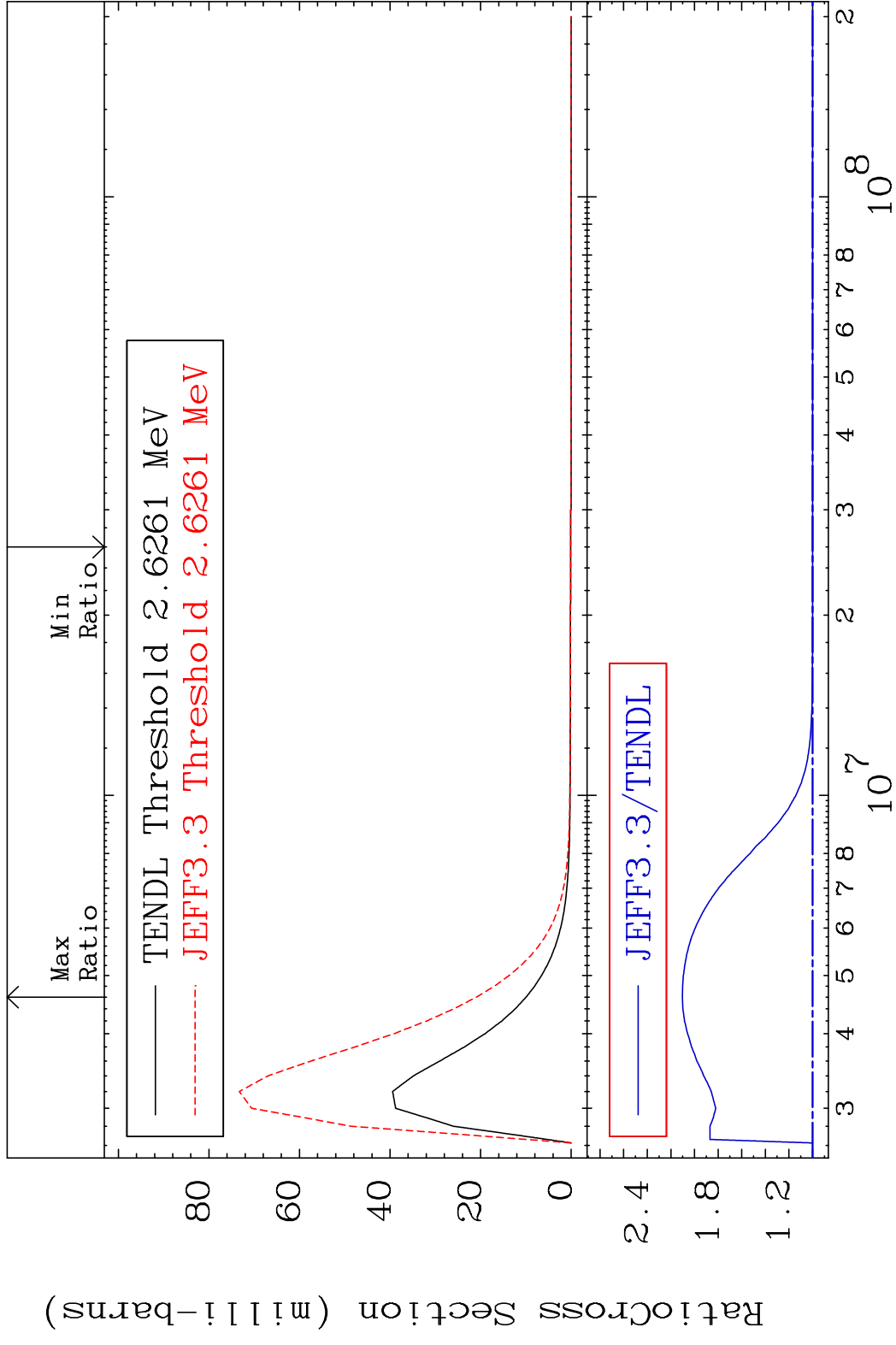
MAT 3834 MT= 70 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 5.516 %



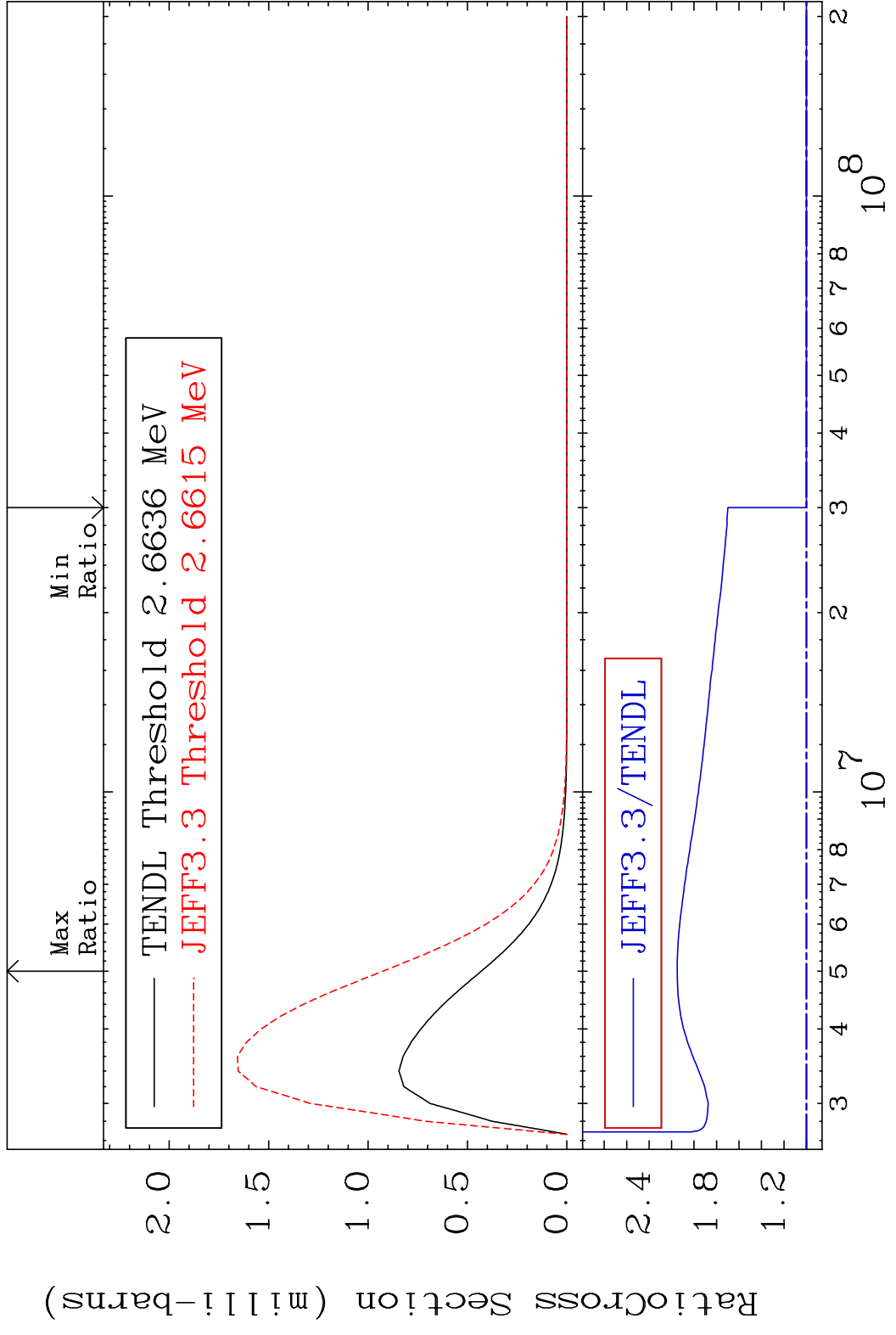
MAT 3834 MT= 71 (n,n') Level 38-Sr-87  
 Cross Section -7.548 To 5.353 %



MAT 3834 MT= 72 (n, n') Level 38-Sr-87  
 Cross Section 0.000 To 110.3 %

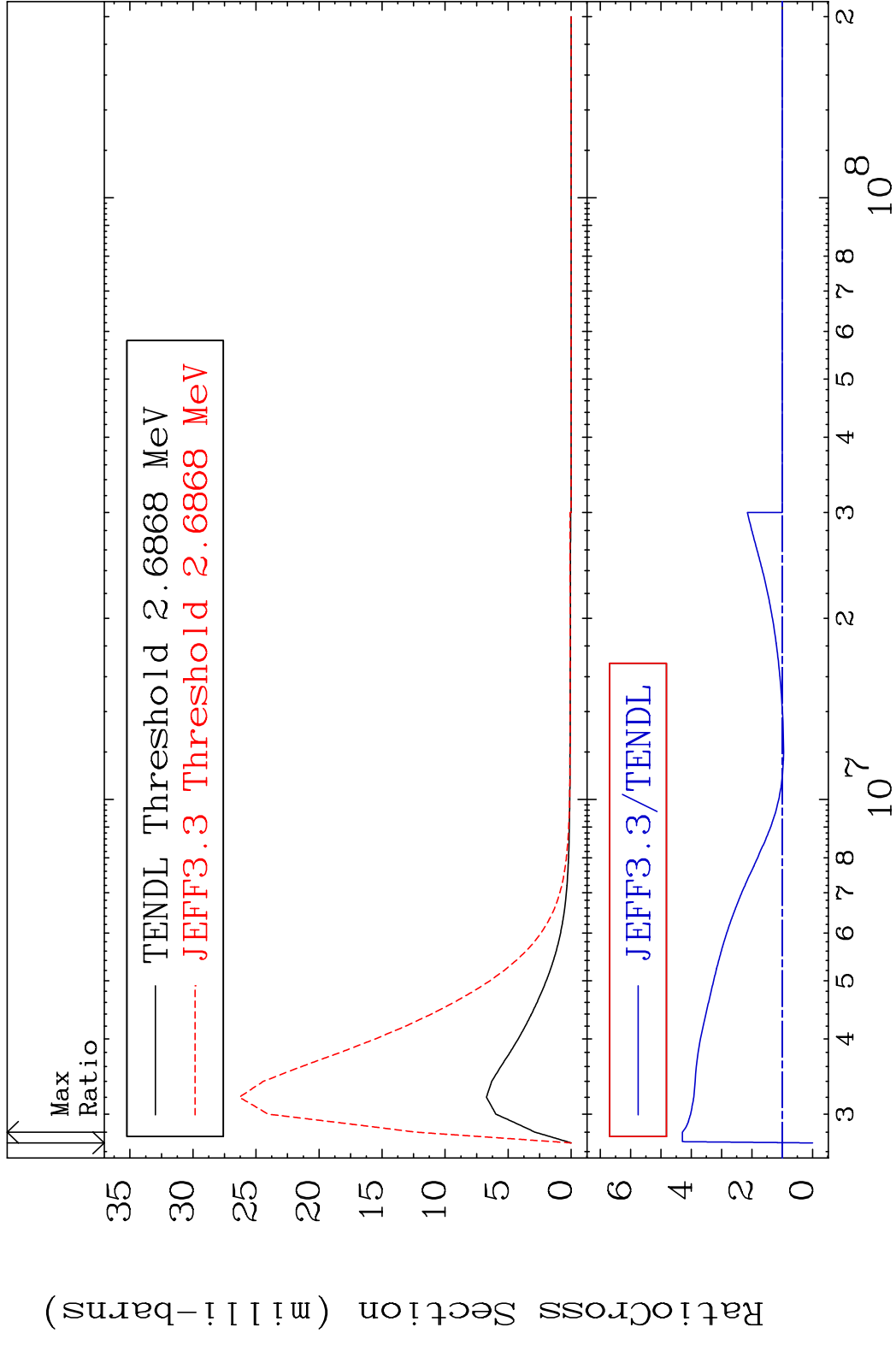


MAT 3834 MT= 73 (n, n') Level 38-Sr-87  
 Cross Section 0.000 To 115.0 %



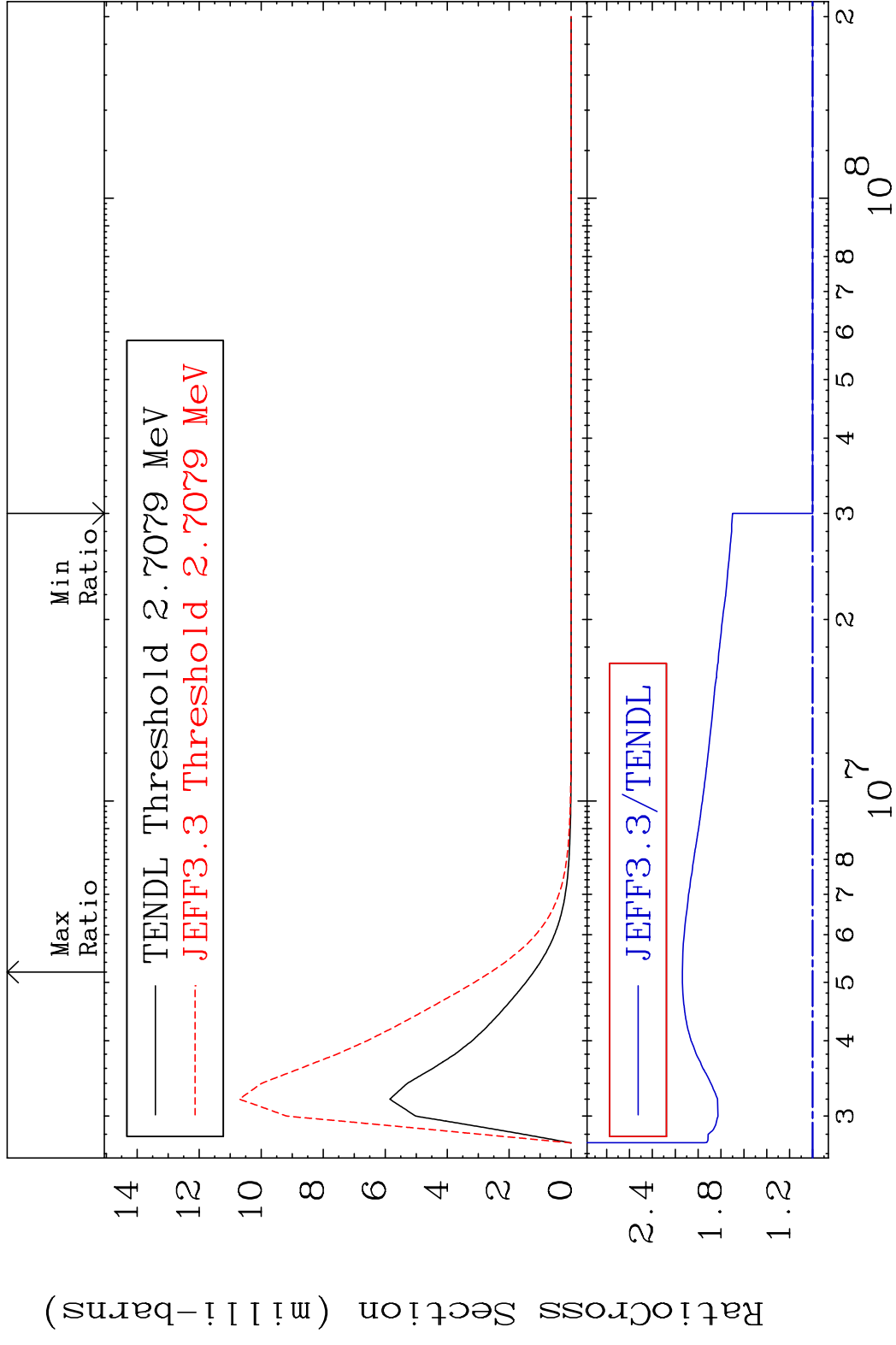


MAT 3834 MT= 74 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 329.4 %

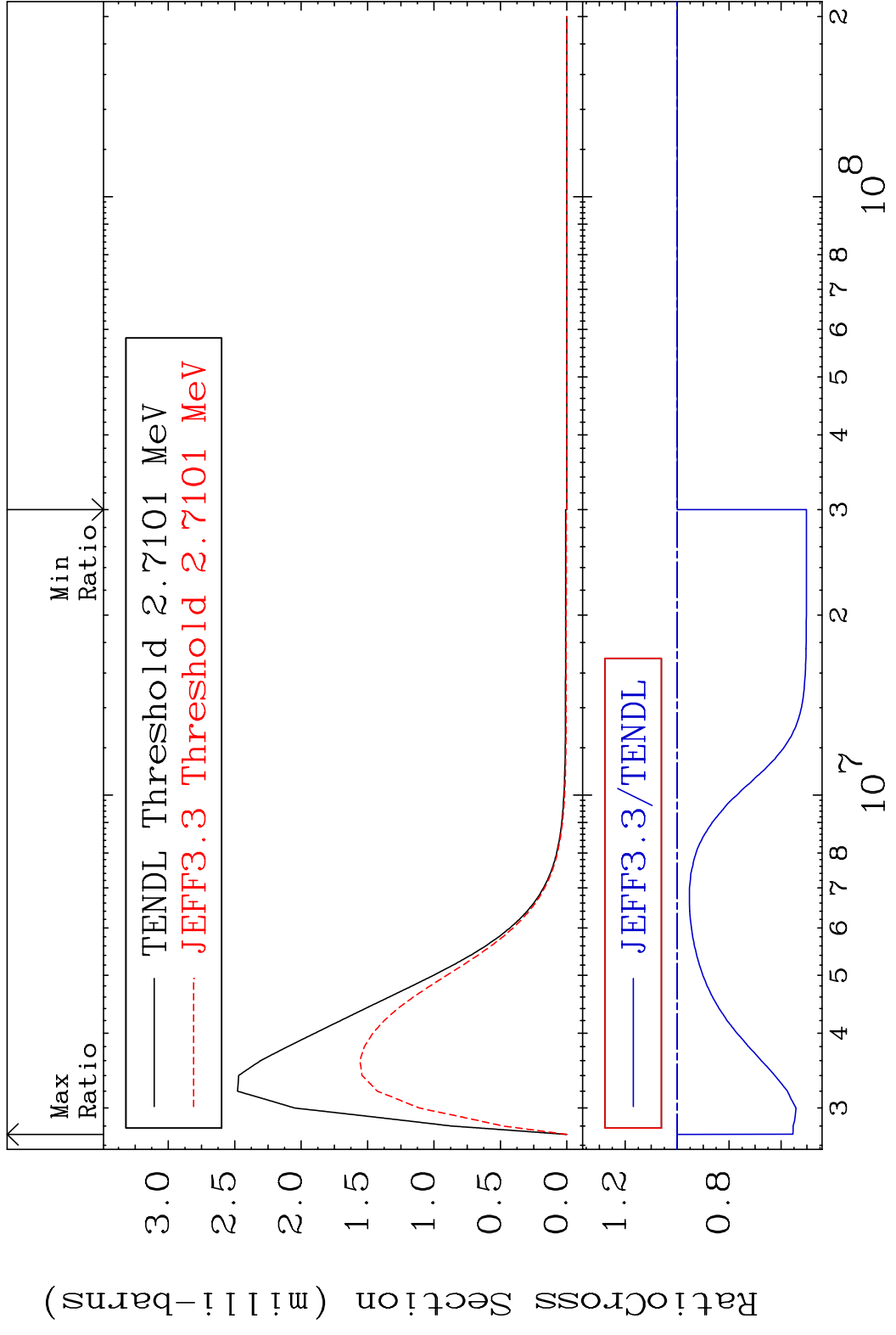


40 Incident Energy (eV) 38-Sr-87

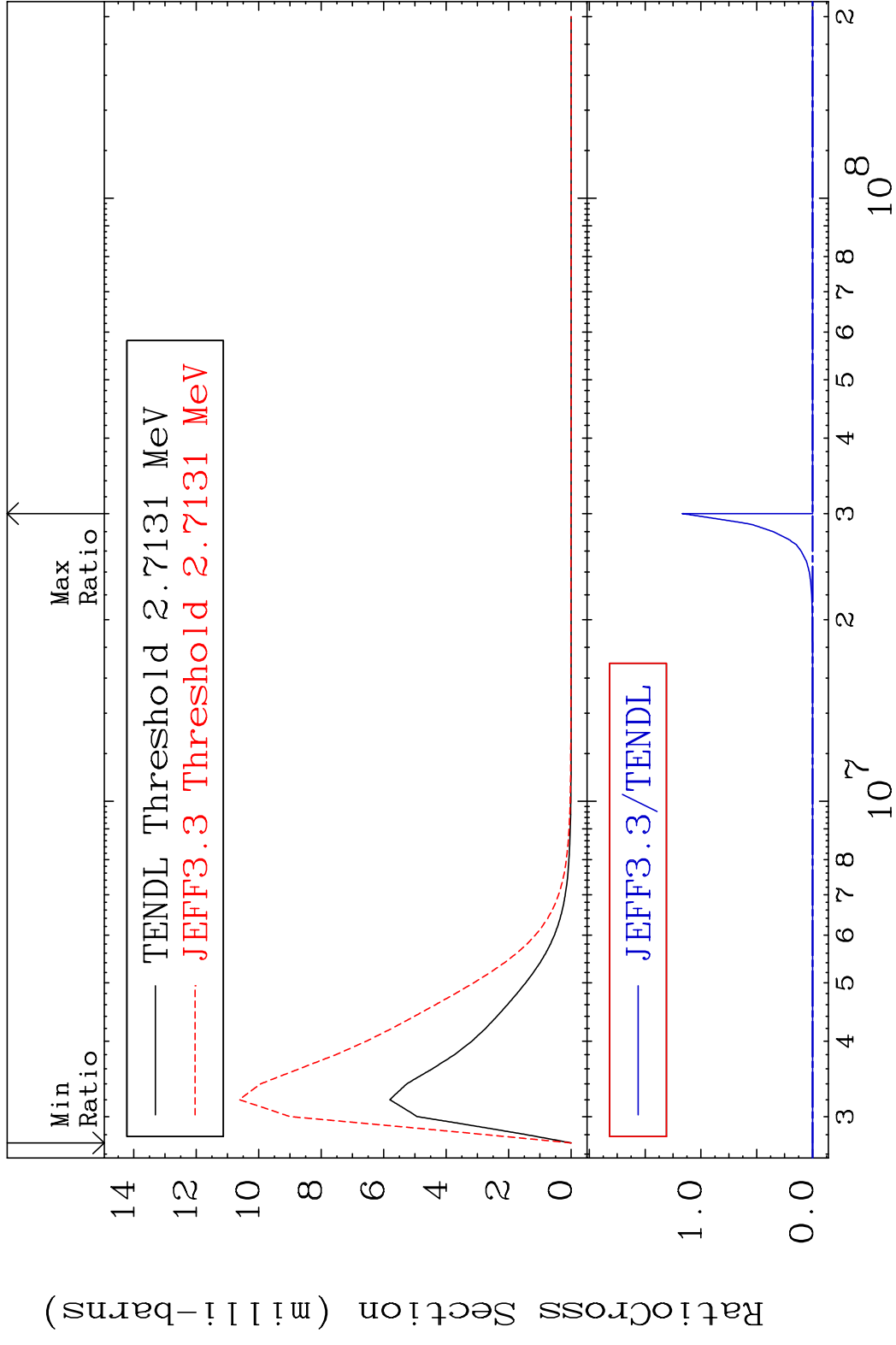
MAT 3834 MT= 75 (n,n') Level 38-Sr-87  
 Cross Section 0.000 To 113.8 %



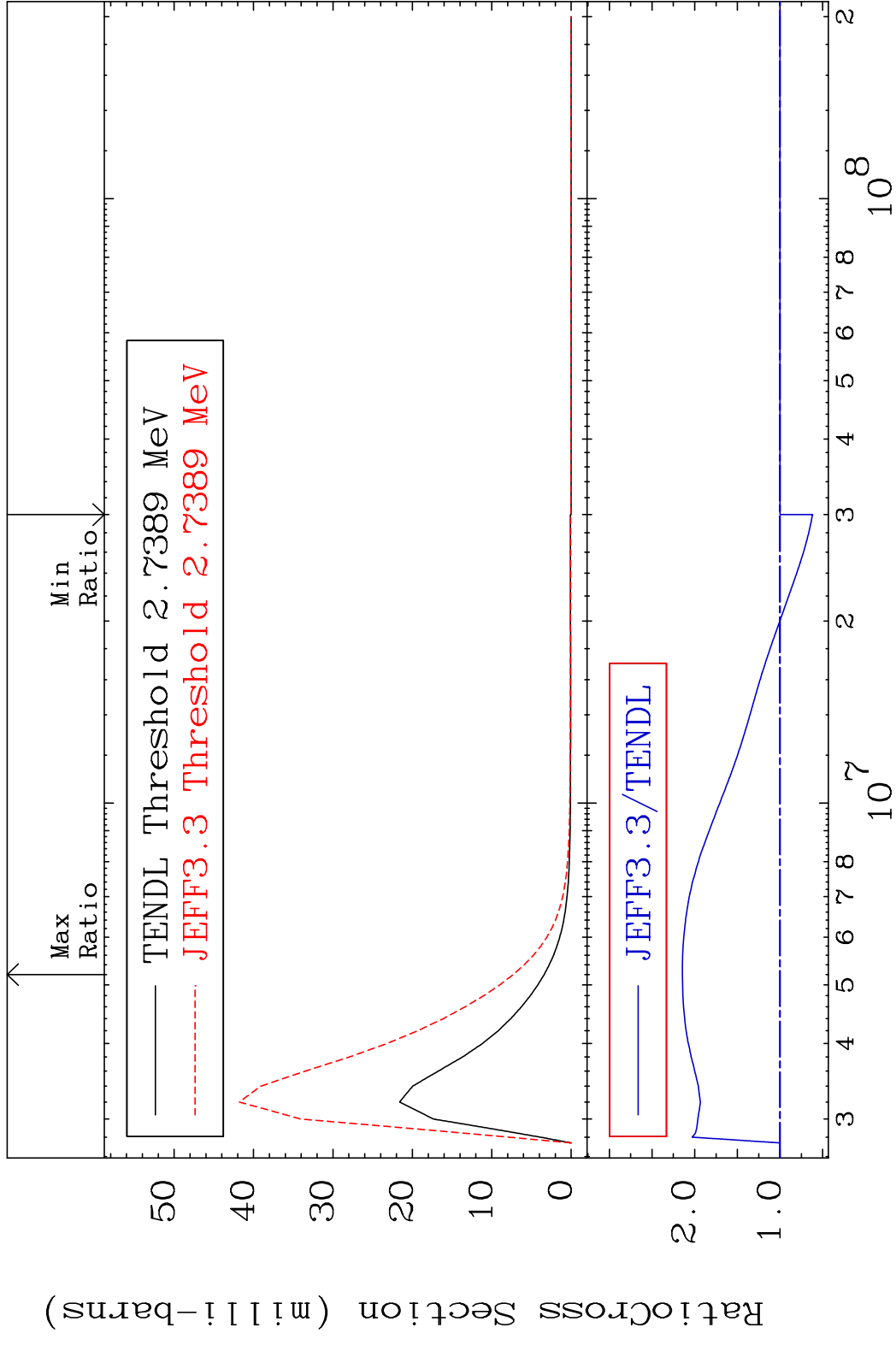
MAT 3834 MT= 76 (n, n') Level 38-Sr-87  
 Cross Section -49.78 To 0.000 %



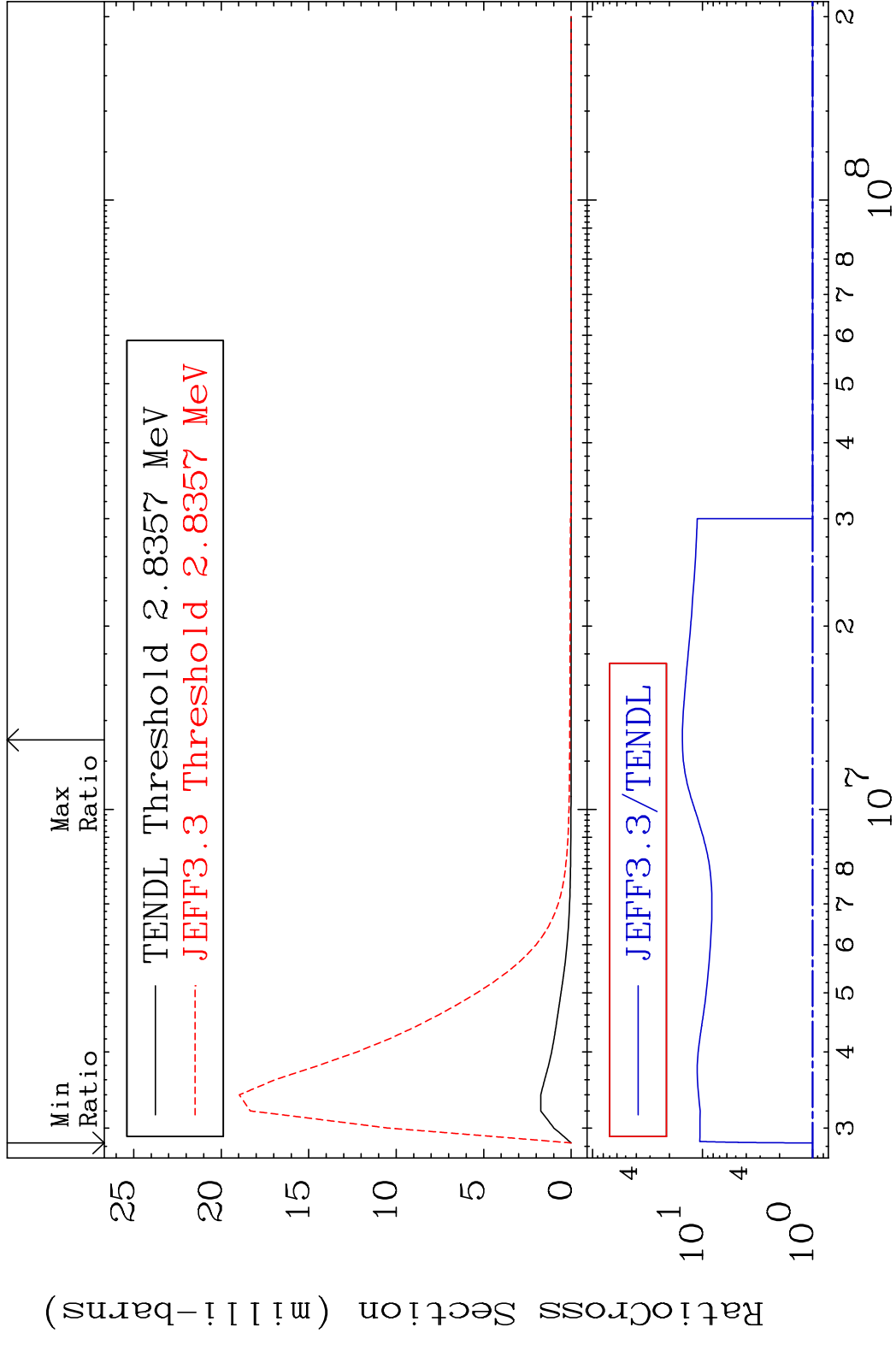
MAT 3834 MT= 77 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 9999. %



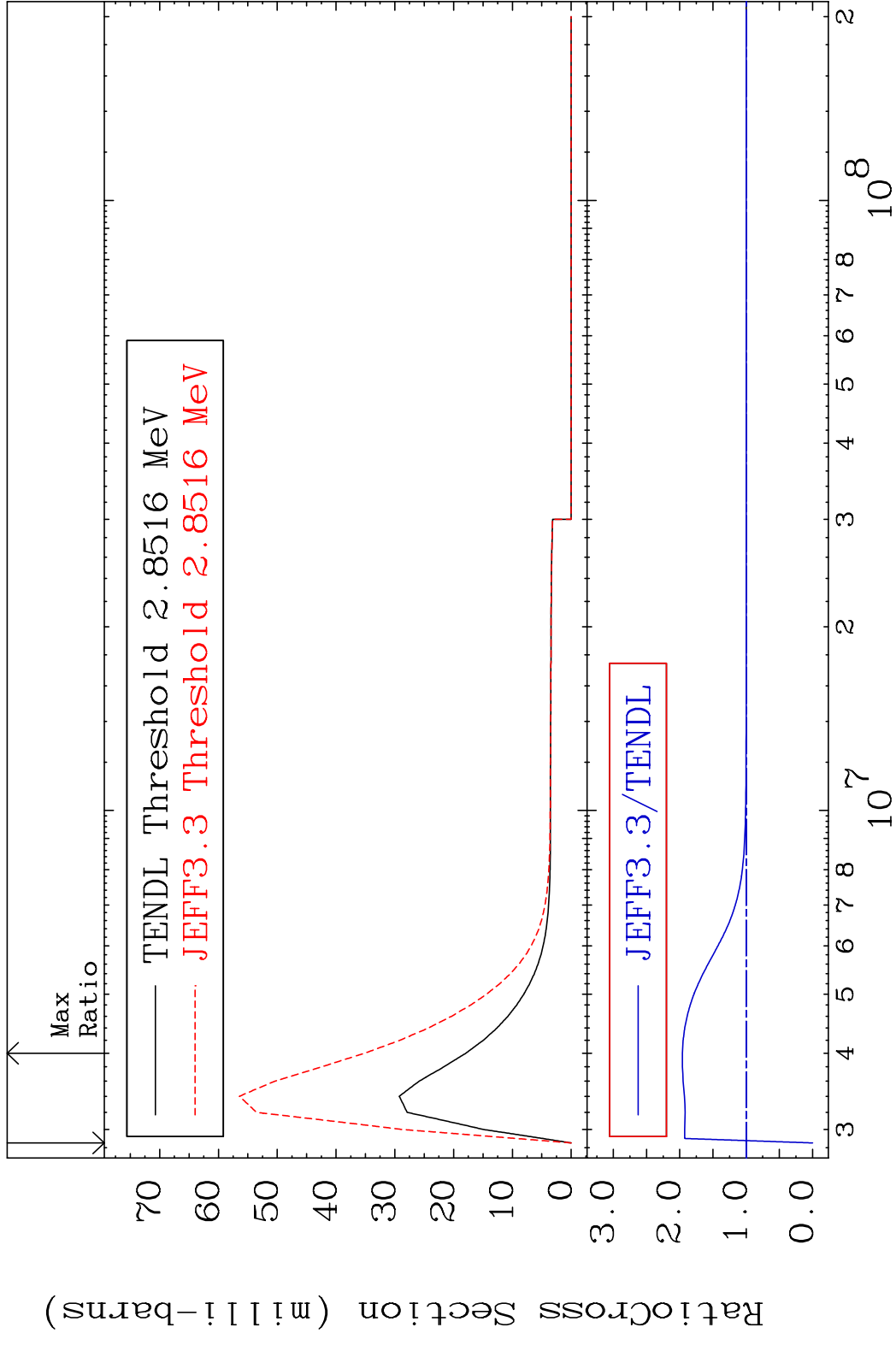
MAT 3834 MT= 78 (n, n') Level 38-Sr-87  
 Cross Section -38.06 To 114.5 %



MAT 3834 MT= 79 (n, n') Level 38-Sr-87  
 Cross Section 0.000 To 1427. %

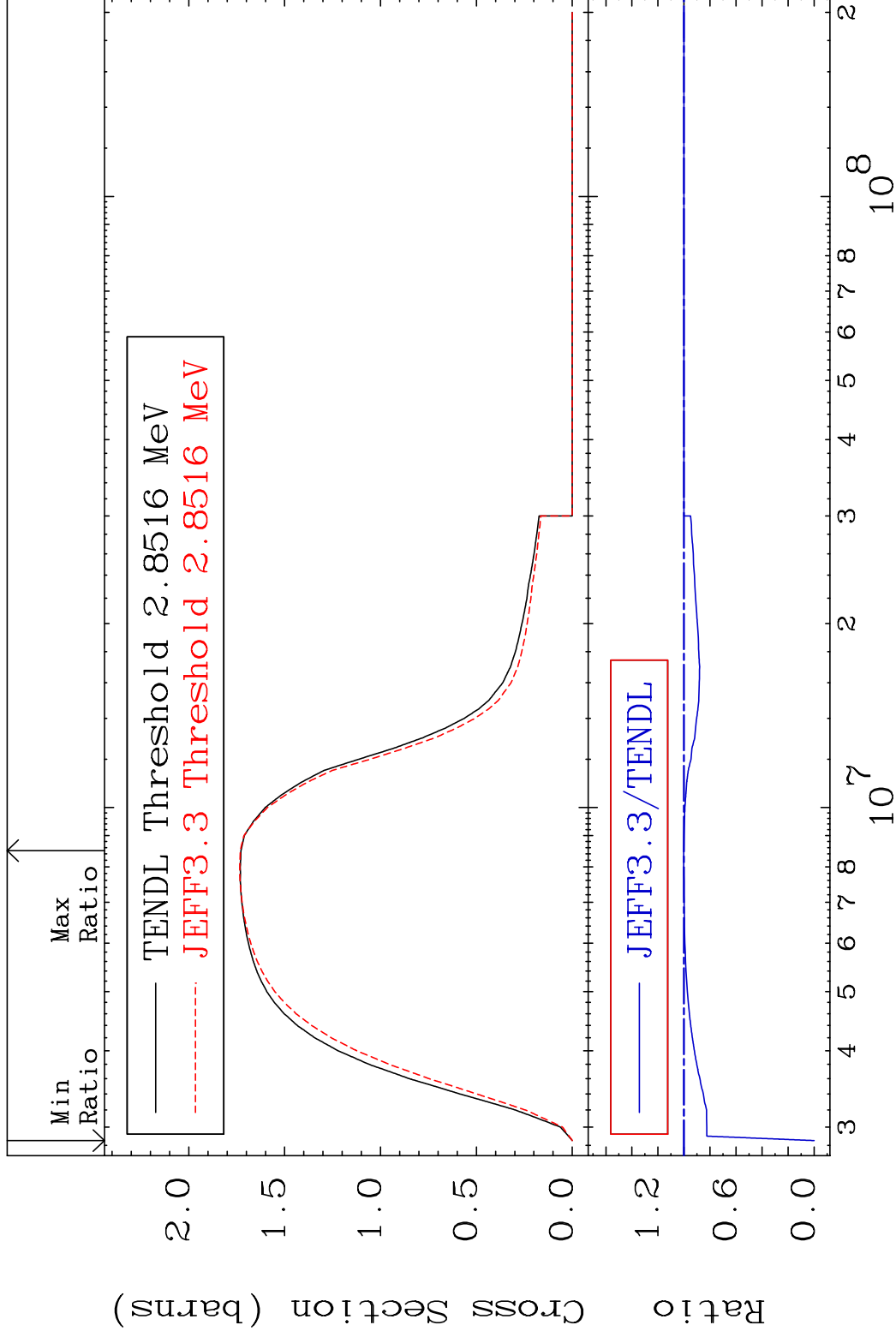


MAT 3834 MT= 80 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 96.09 %



MAT 3834

(n, n') Continuum 38-Sr-87  
Cross Section -100.0 To 0.243 %



47

Incident Energy (eV)

38-Sr-87

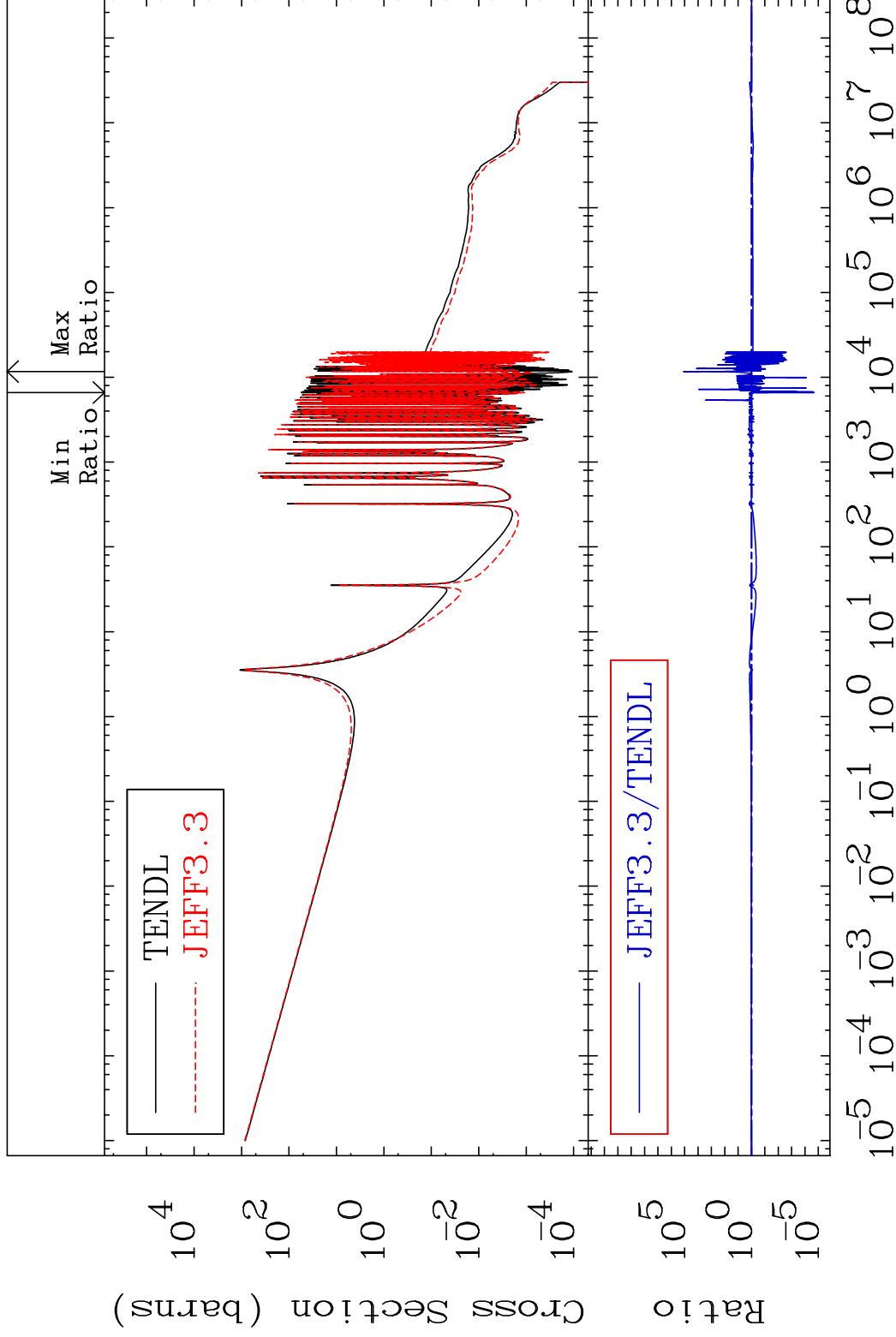


MAT 3834

(n,  $\gamma$ )

38-Sr-87

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

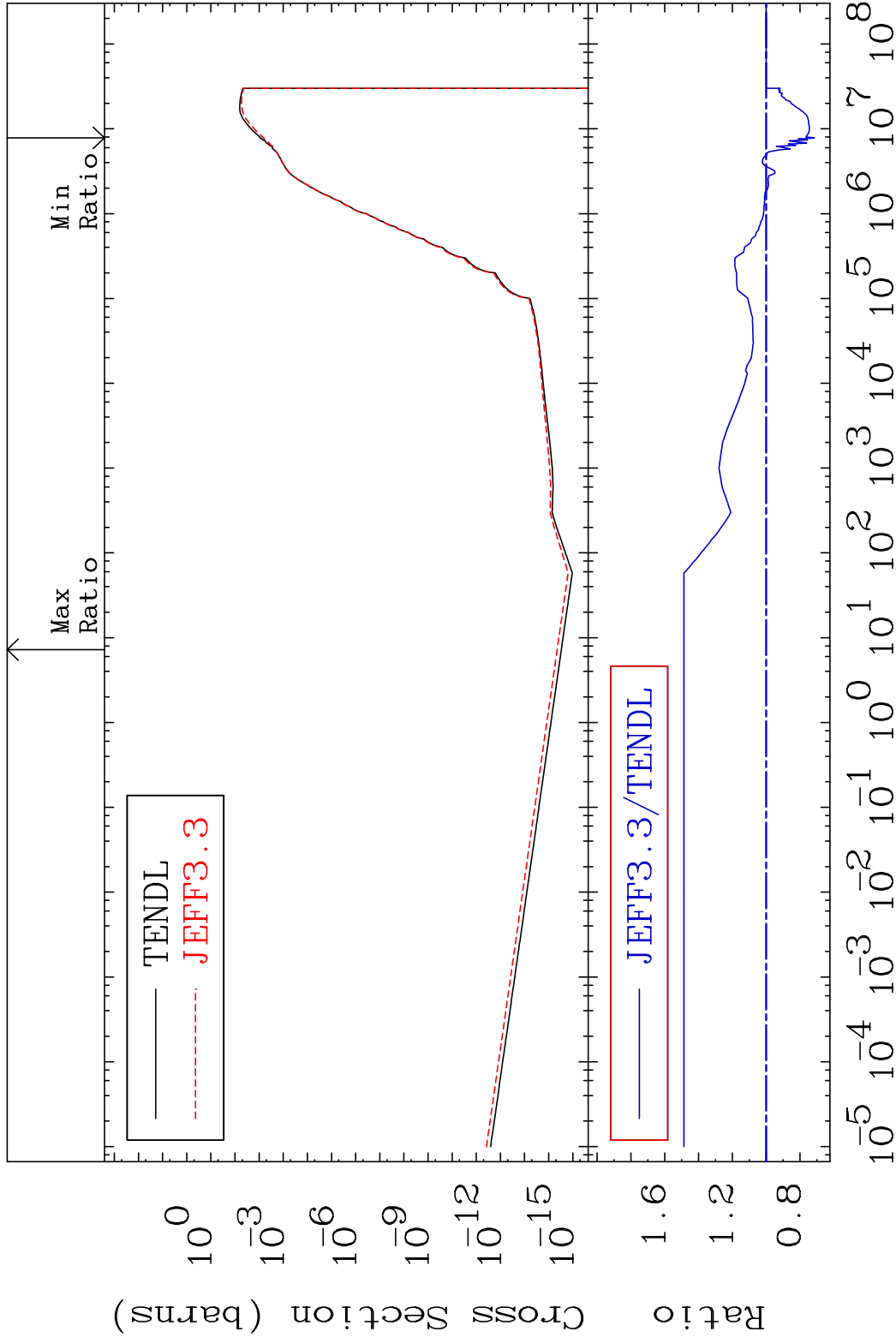
38-Sr-87

MAT 3834

(n, p)

38-Sr-87

Cross Section -28.34 To 48.78 %

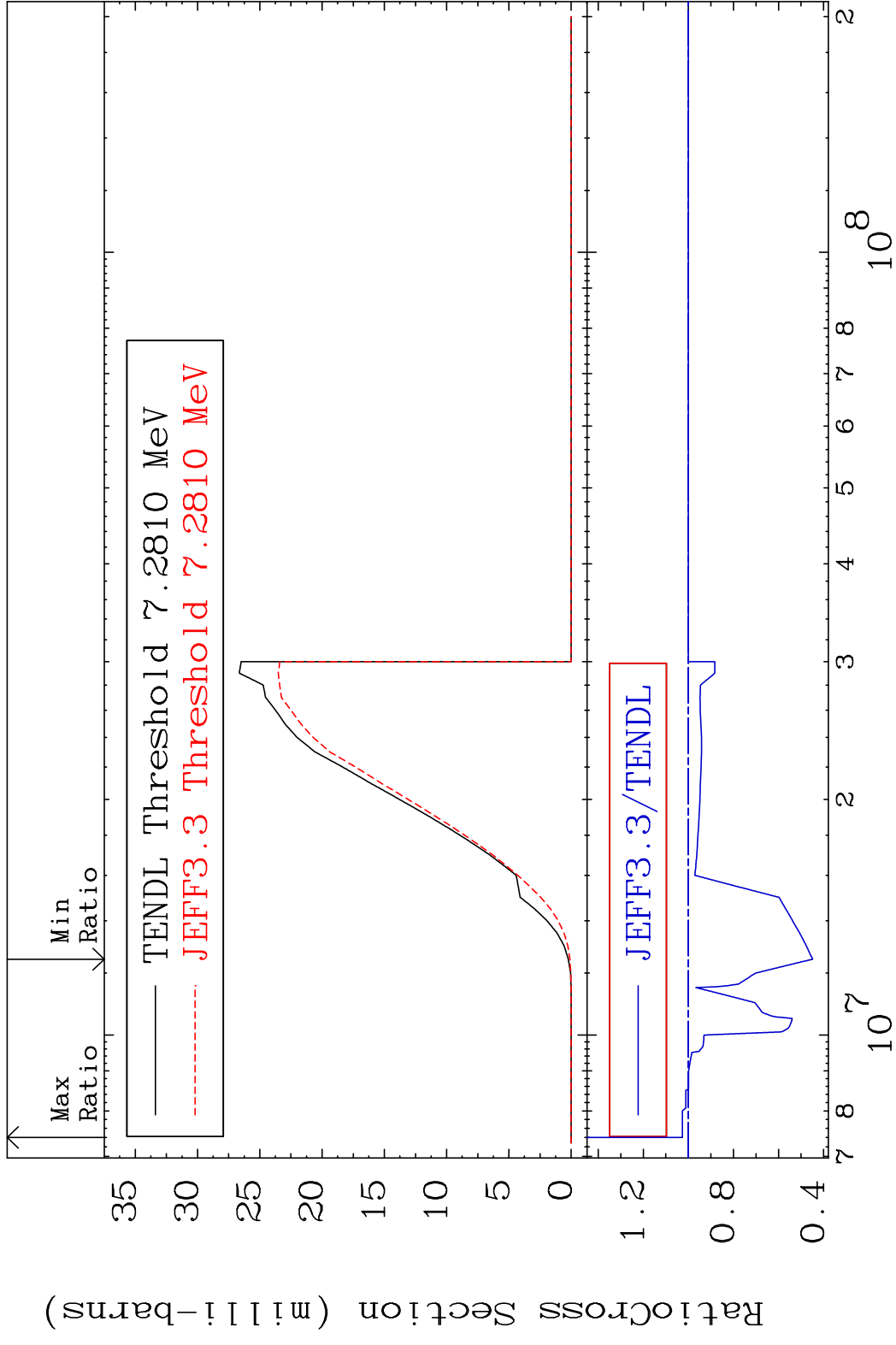


49

Incident Energy (eV)

38-Sr-87

MAT 3834 (n,d) 38-Sr-87  
 Cross Section -55.09 To 2.668 %



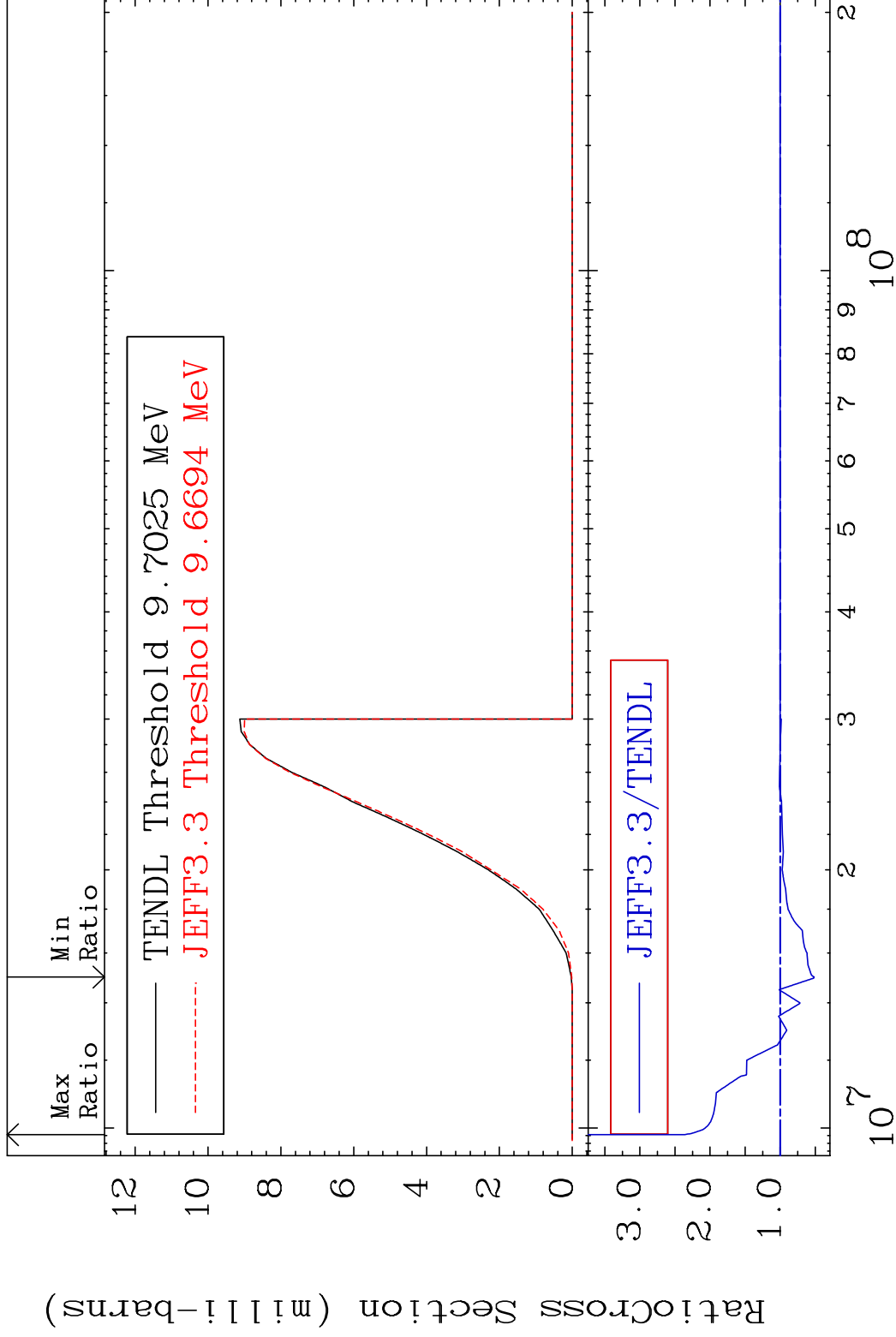
50 38-Sr-87

MAT 3834

(n, t)

38-Sr-87

Cross Section -48.38 To 137.6 %



51

Incident Energy (eV)

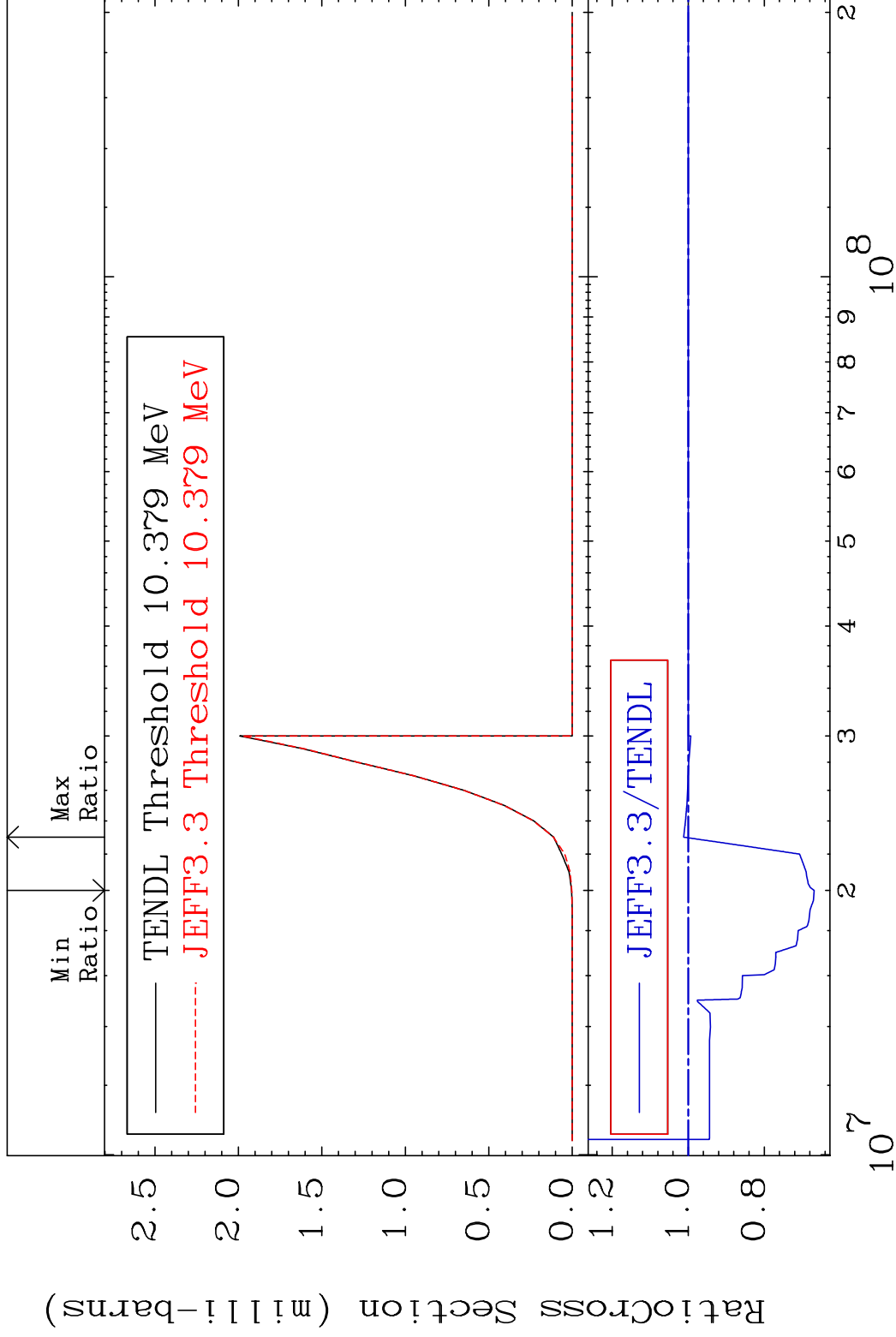
38-Sr-87

MAT 3834

(n, He-3)

38-Sr-87

Cross Section -33.11 To 1.198 %



52

Incident Energy (eV)

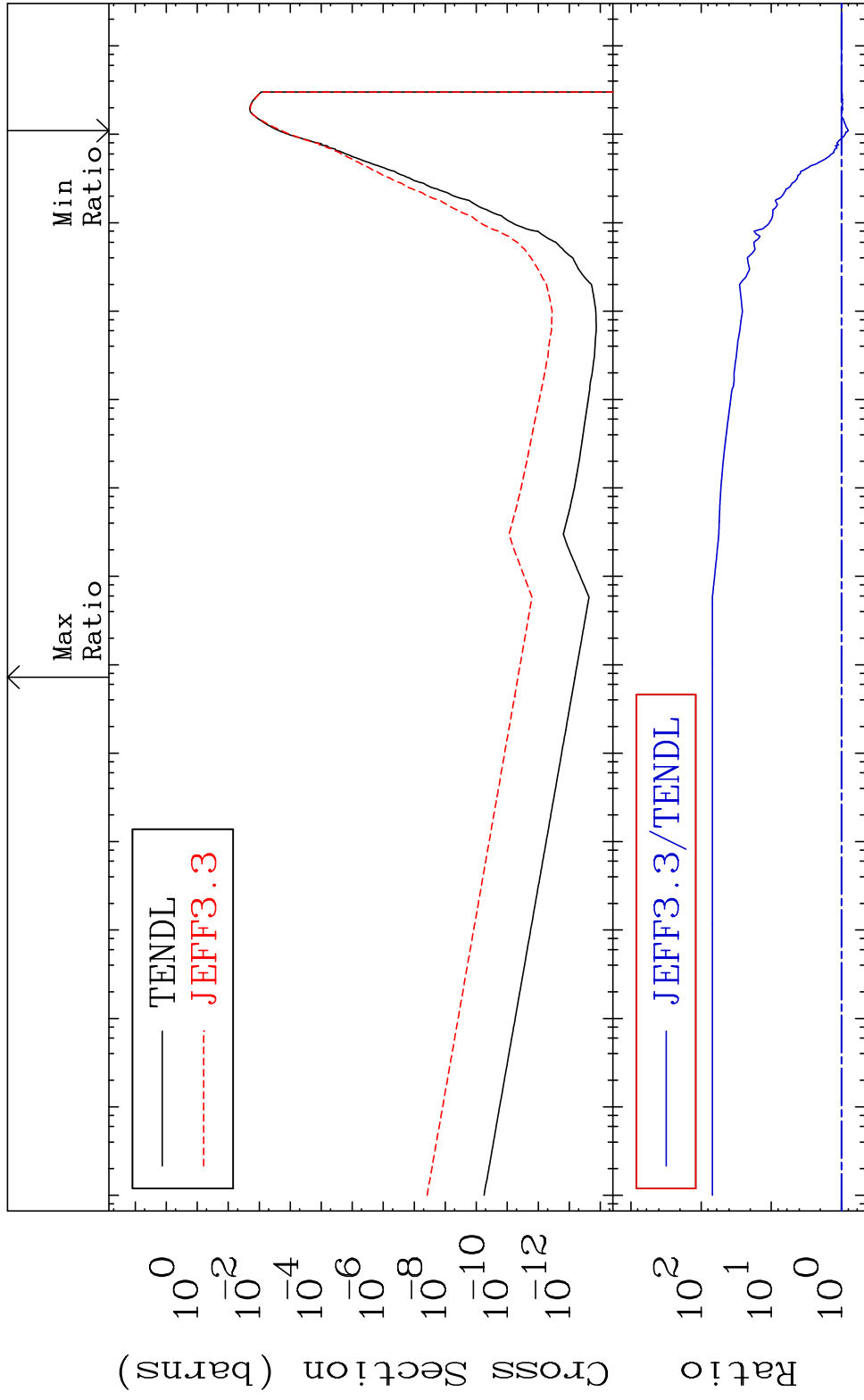
38-Sr-87

MAT 3834

(n,  $\alpha$ )

38-Sr-87

Cross Section -20.00 To 6812. %

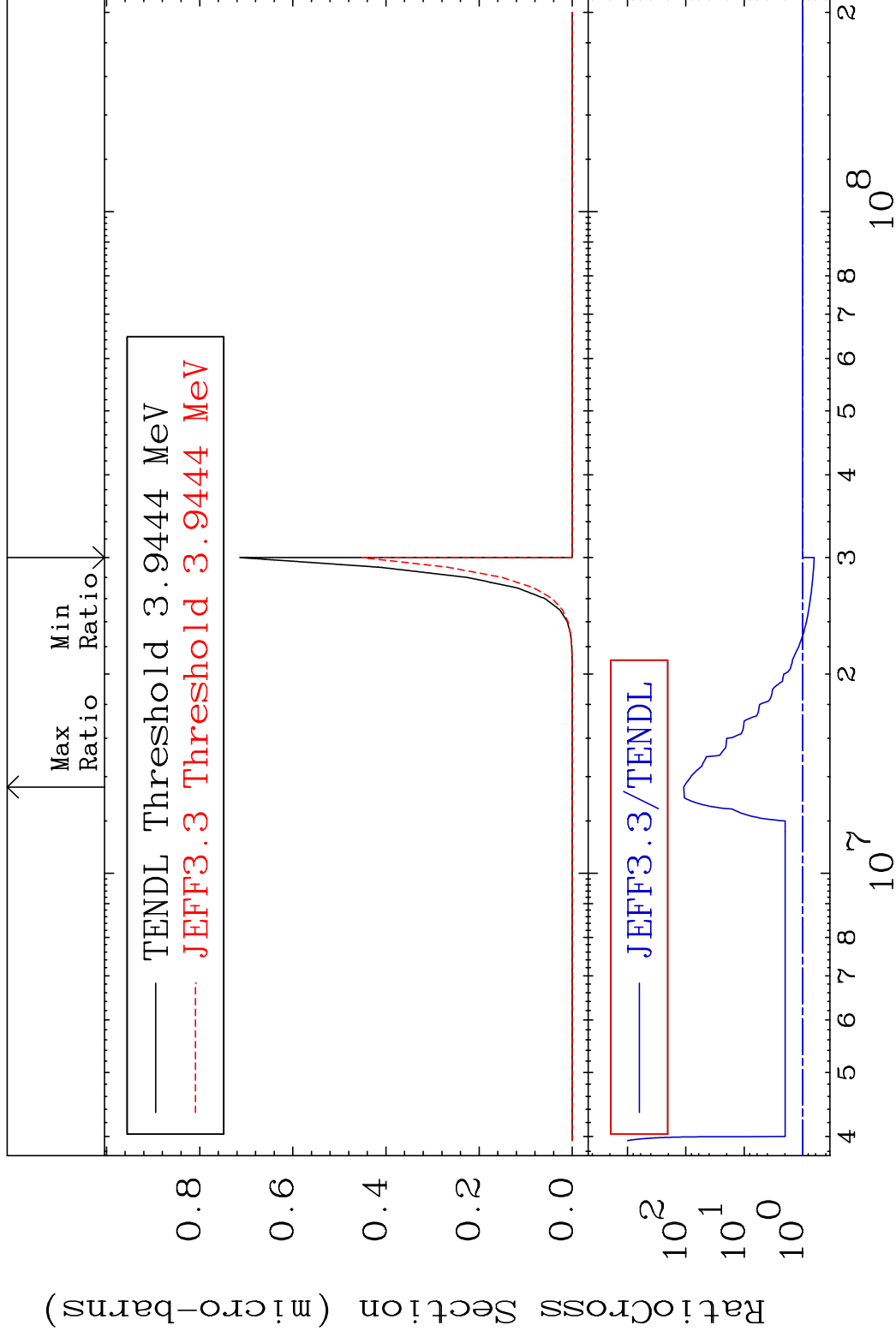


MAT 3834

(n,2α)

38-Sr-87

Cross Section -36.69 To 9999. %



54

Incident Energy (eV)

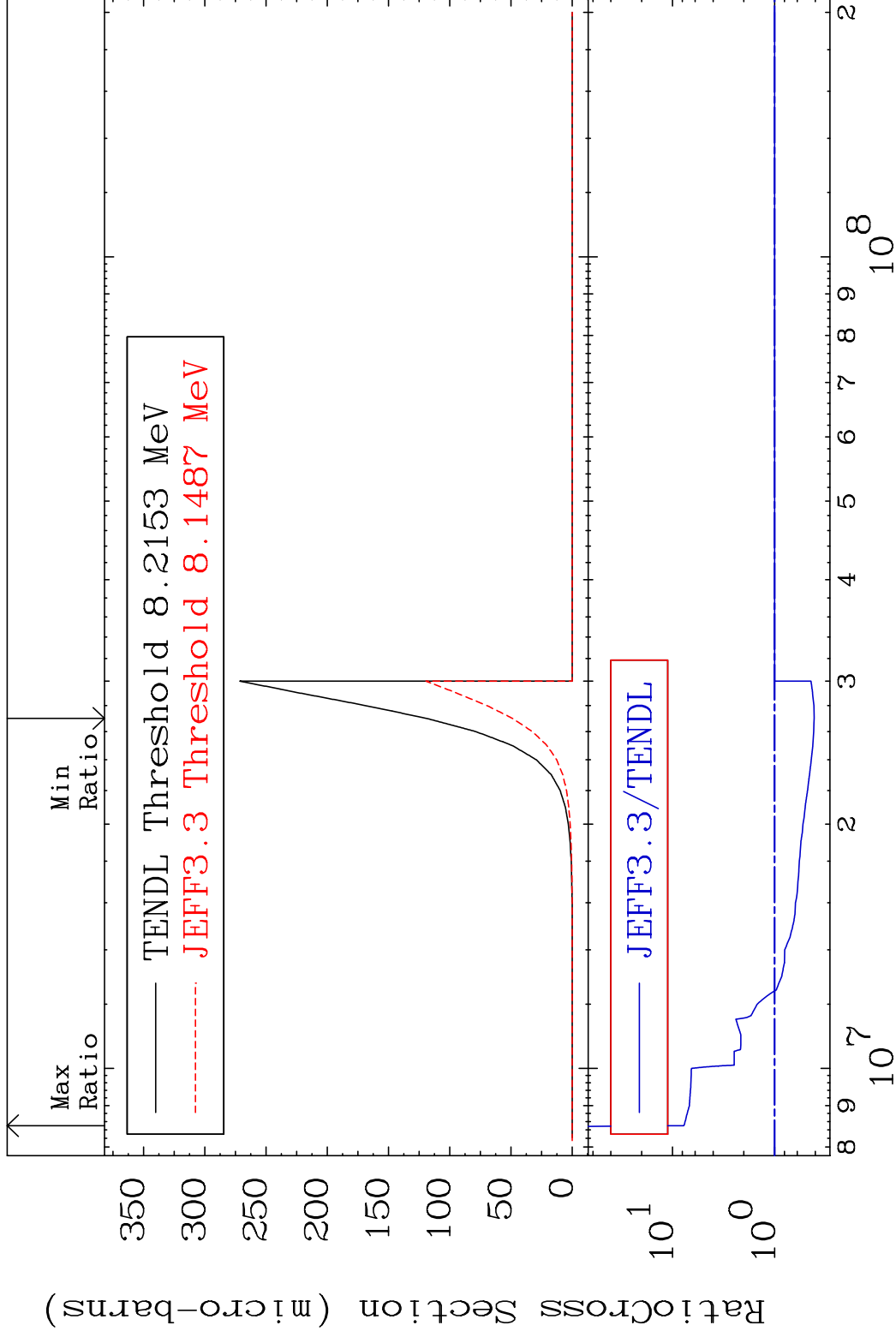
38-Sr-87

MAT 3834

(n,2p)

38-Sr-87

Cross Section -58.98 To 676.3 %



55

Incident Energy (eV)

38-Sr-87

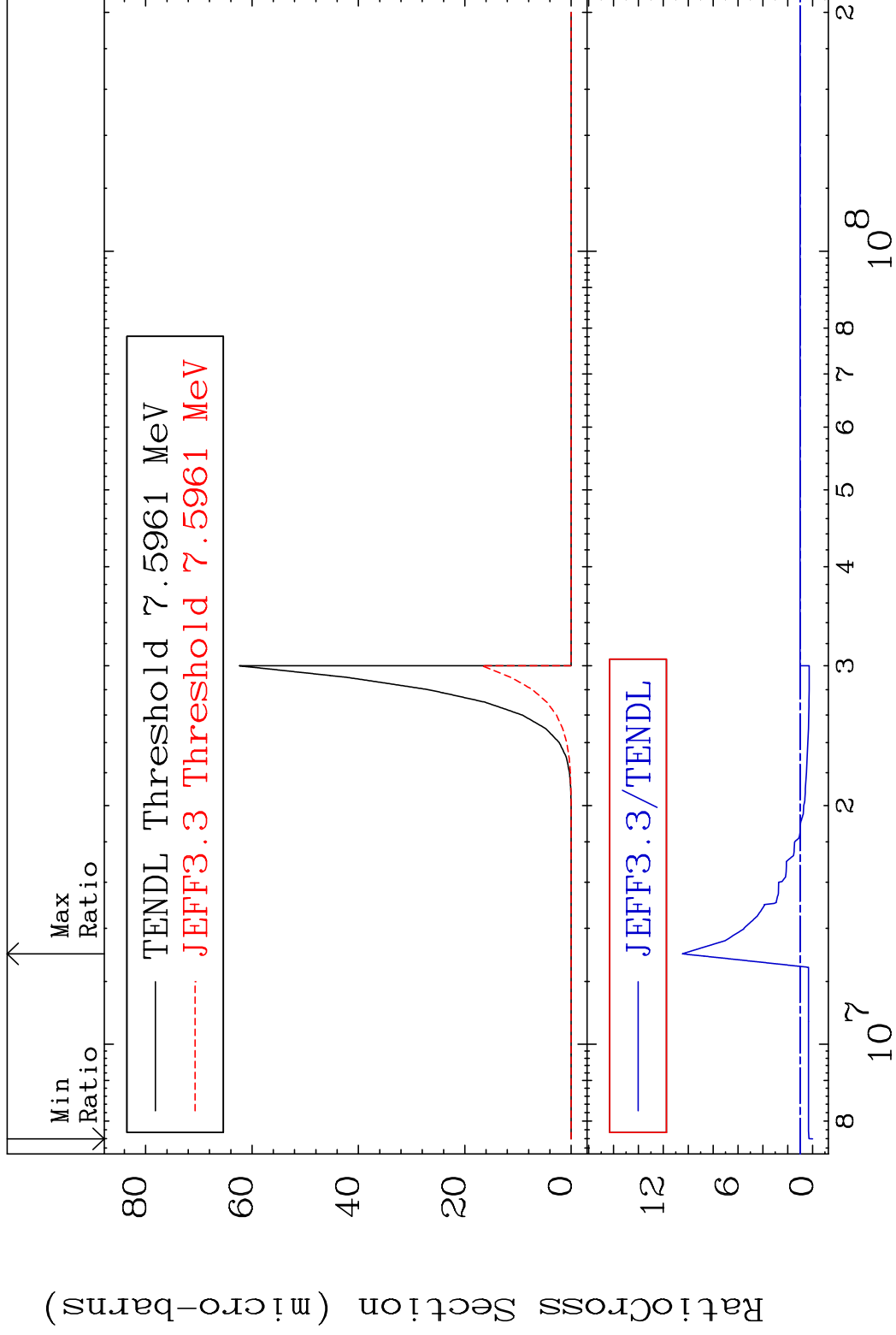


MAT 3834

(n,p)  $\alpha$

38-Sr-87

Cross Section -100.0 To 947.1 %



56

Incident Energy (eV)

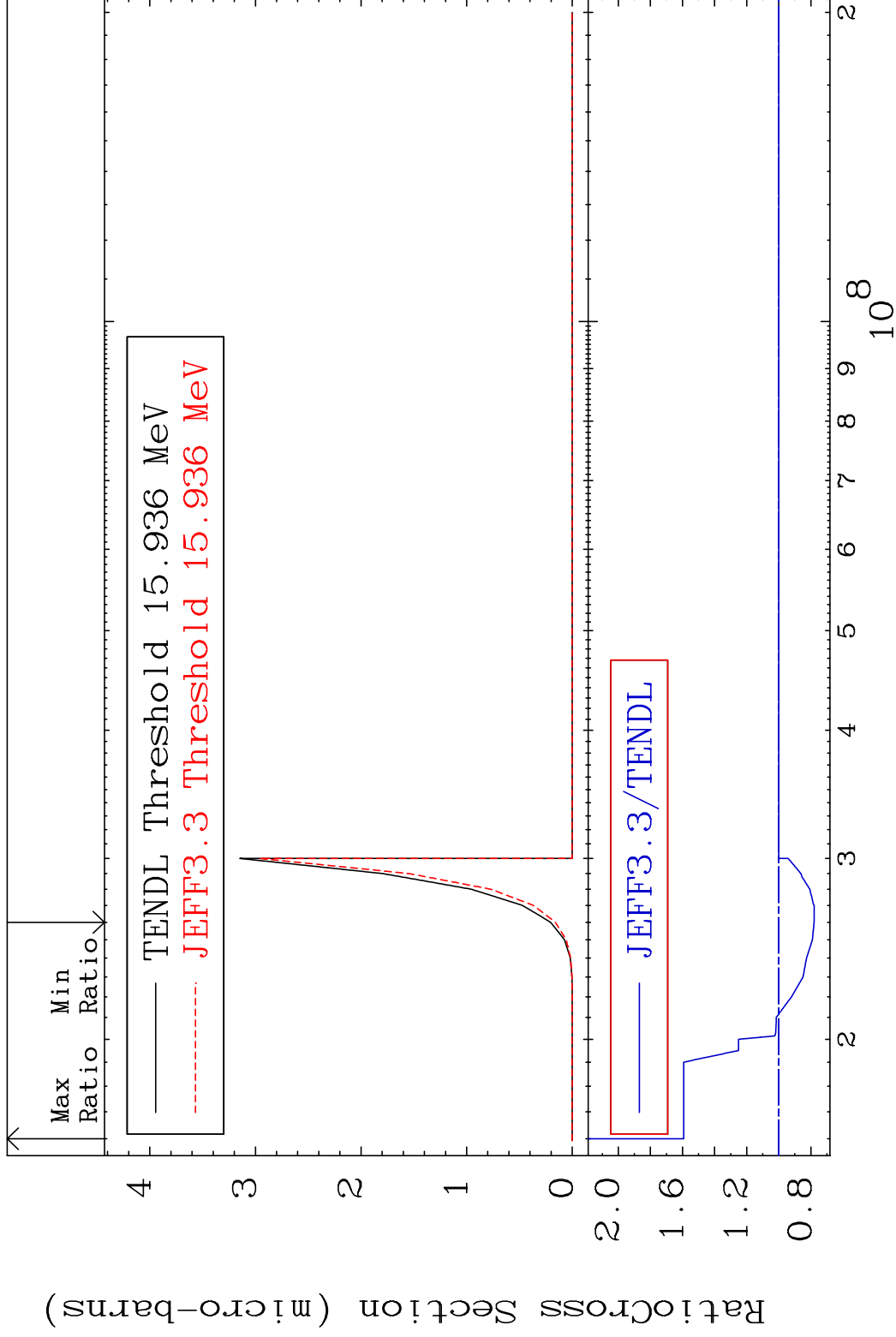
38-Sr-87

MAT 3834

(n,p) d

38-Sr-87

Cross Section -22.02 To 59.29 %

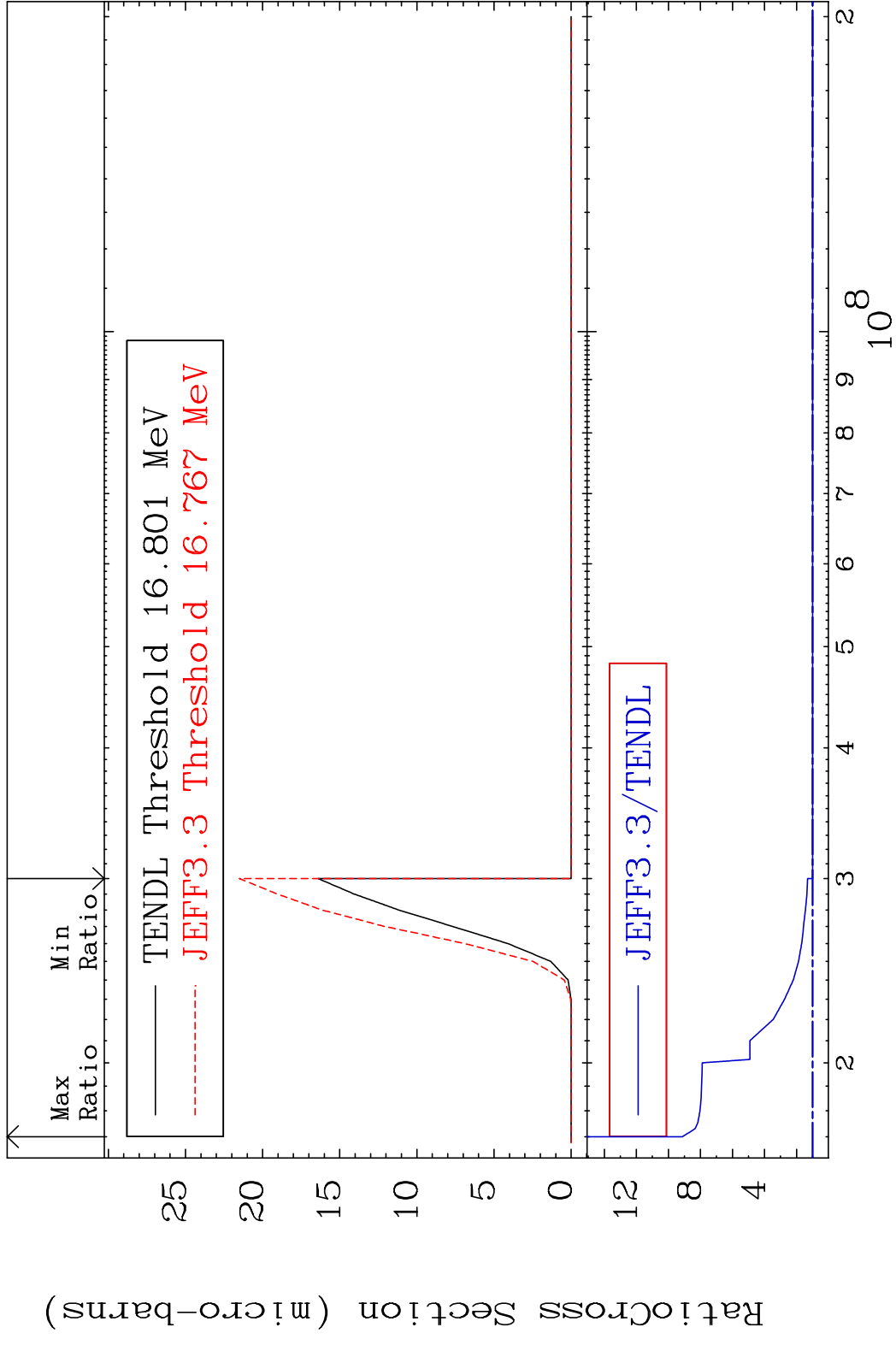


57

Incident Energy (eV)

38-Sr-87

MAT 3834 (n,p) t 38-Sr-87  
 Cross Section 0.000 To 812.9 %

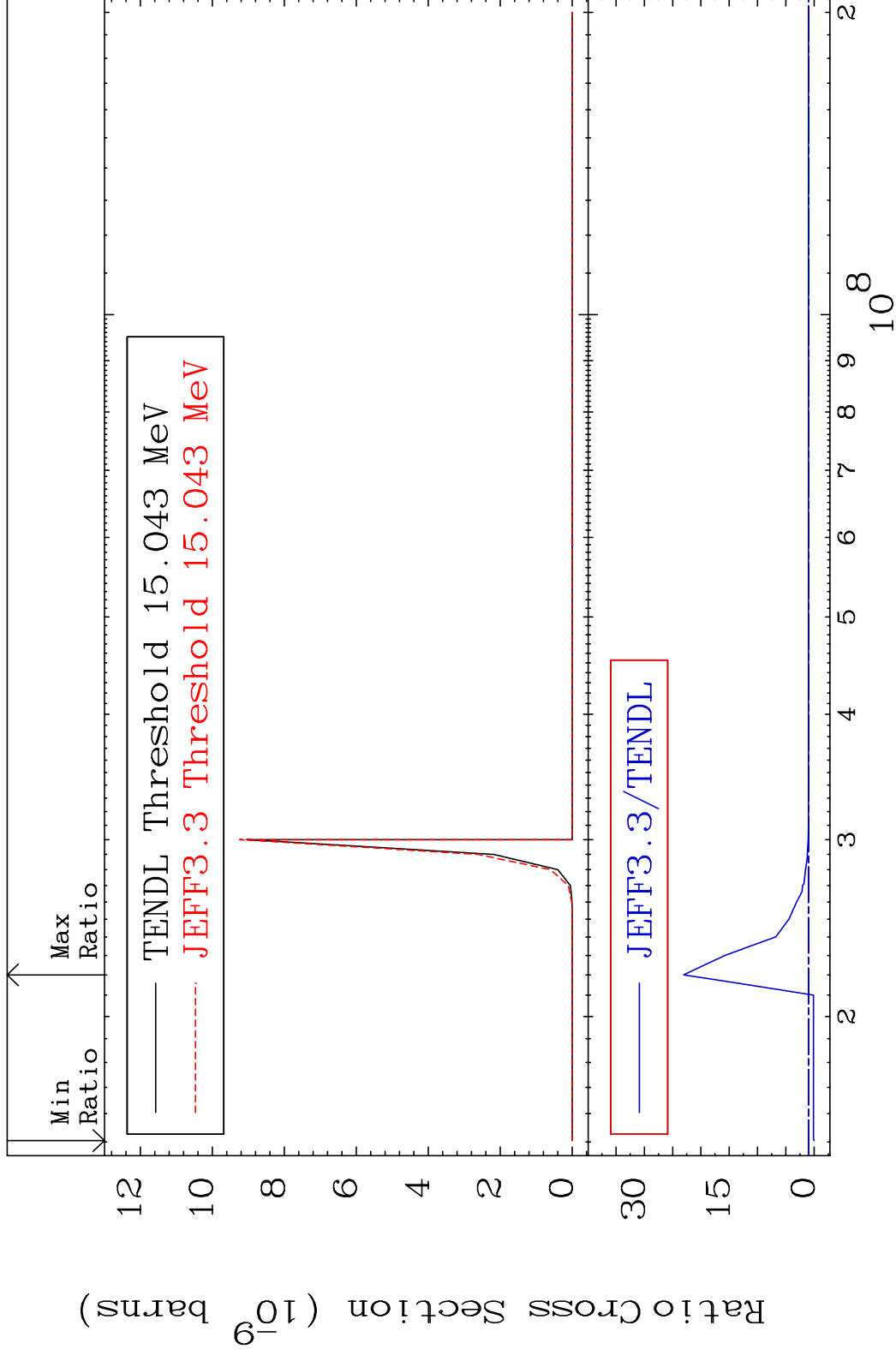


MAT 3834

(n,d)  $\alpha$

38-Sr-87

Cross Section -100.0 To 2205. %



59

Incident Energy (eV)

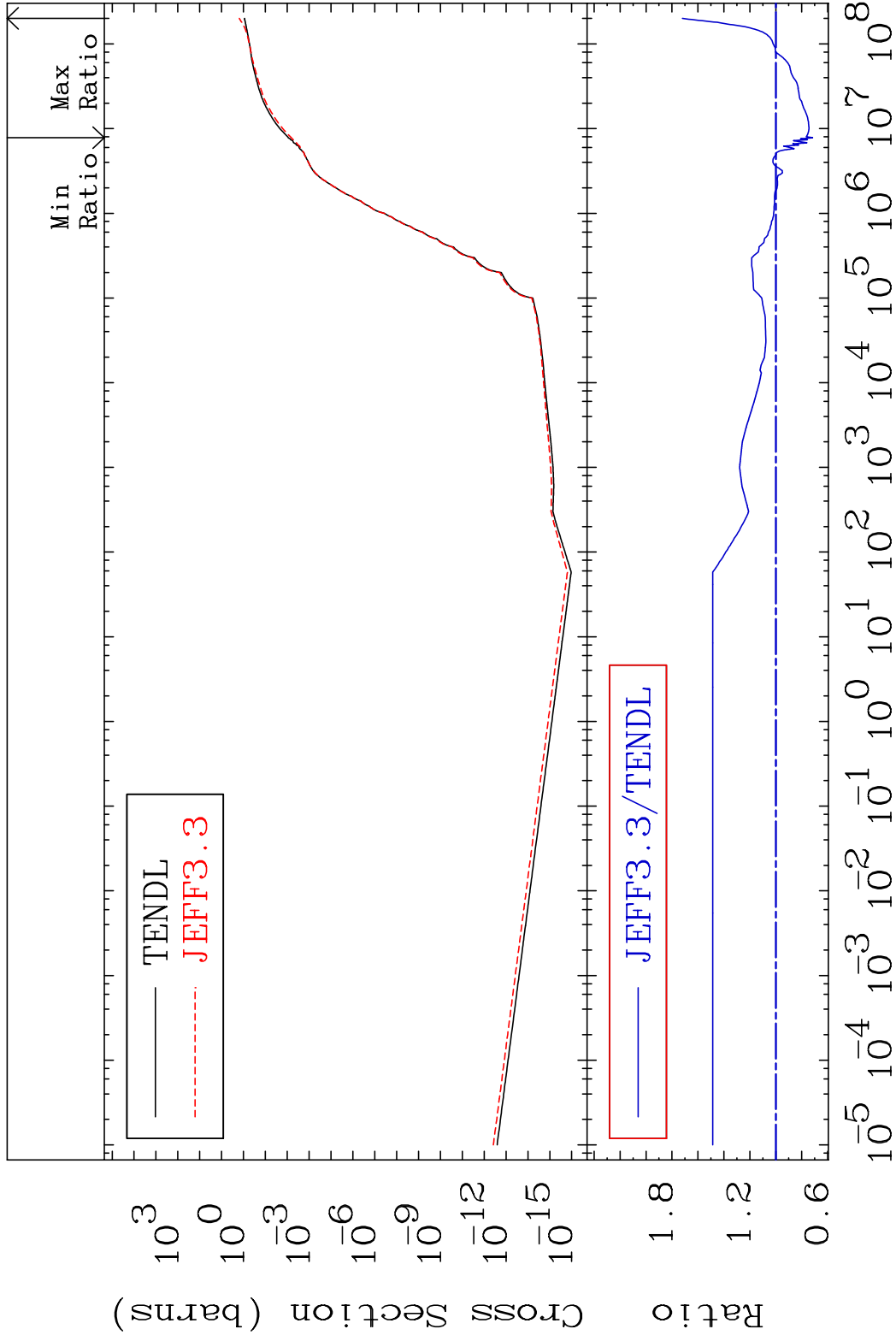
38-Sr-87

MAT 3834

Hydrogen Production

38-Sr-87

Cross Section -28.34 To 72.01 %



60

Incident Energy (eV)

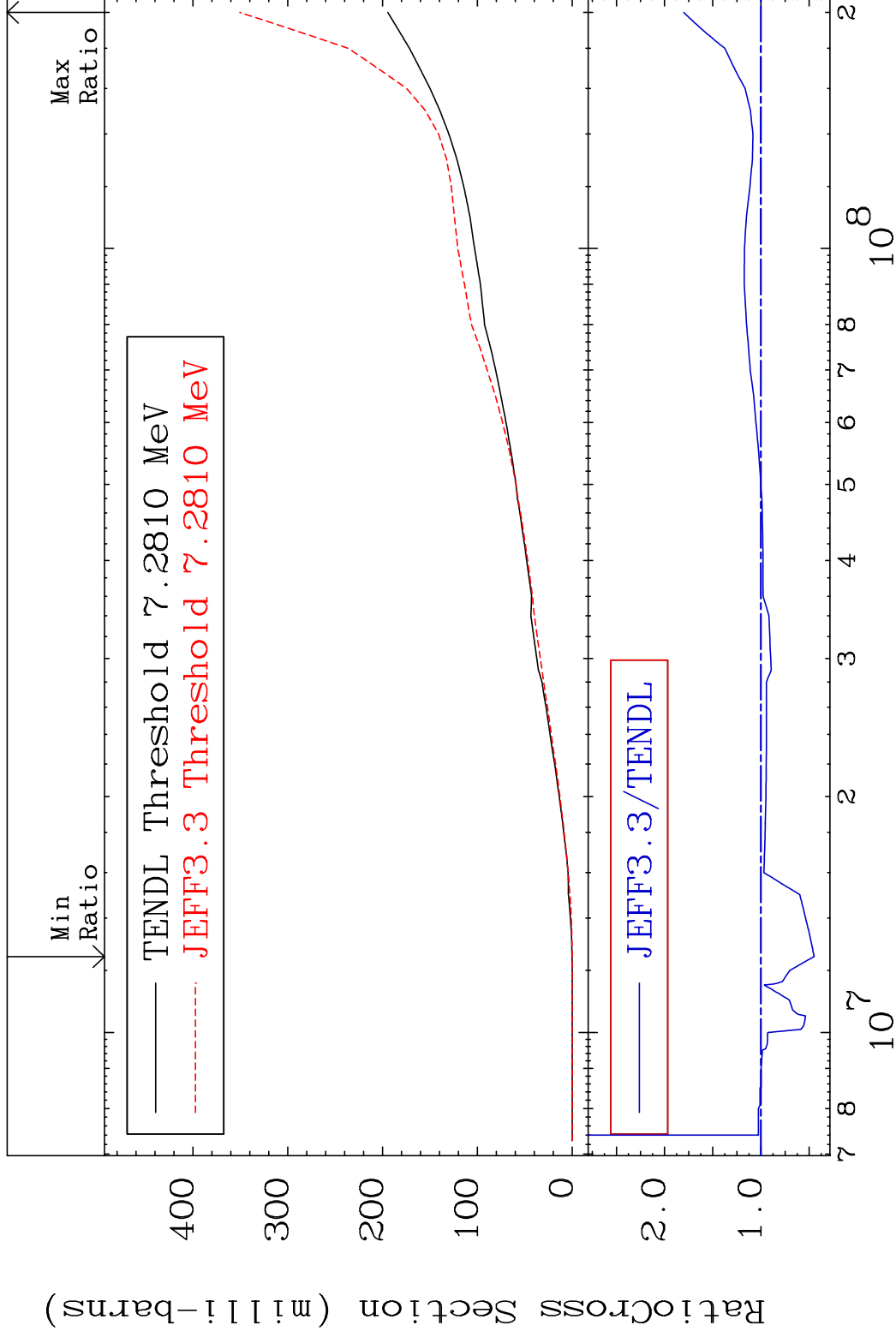
38-Sr-87

MAT 3834

Deuterium Production

38-Sr-87

Cross Section -55.09 To 80.24 %



61

Incident Energy (eV)

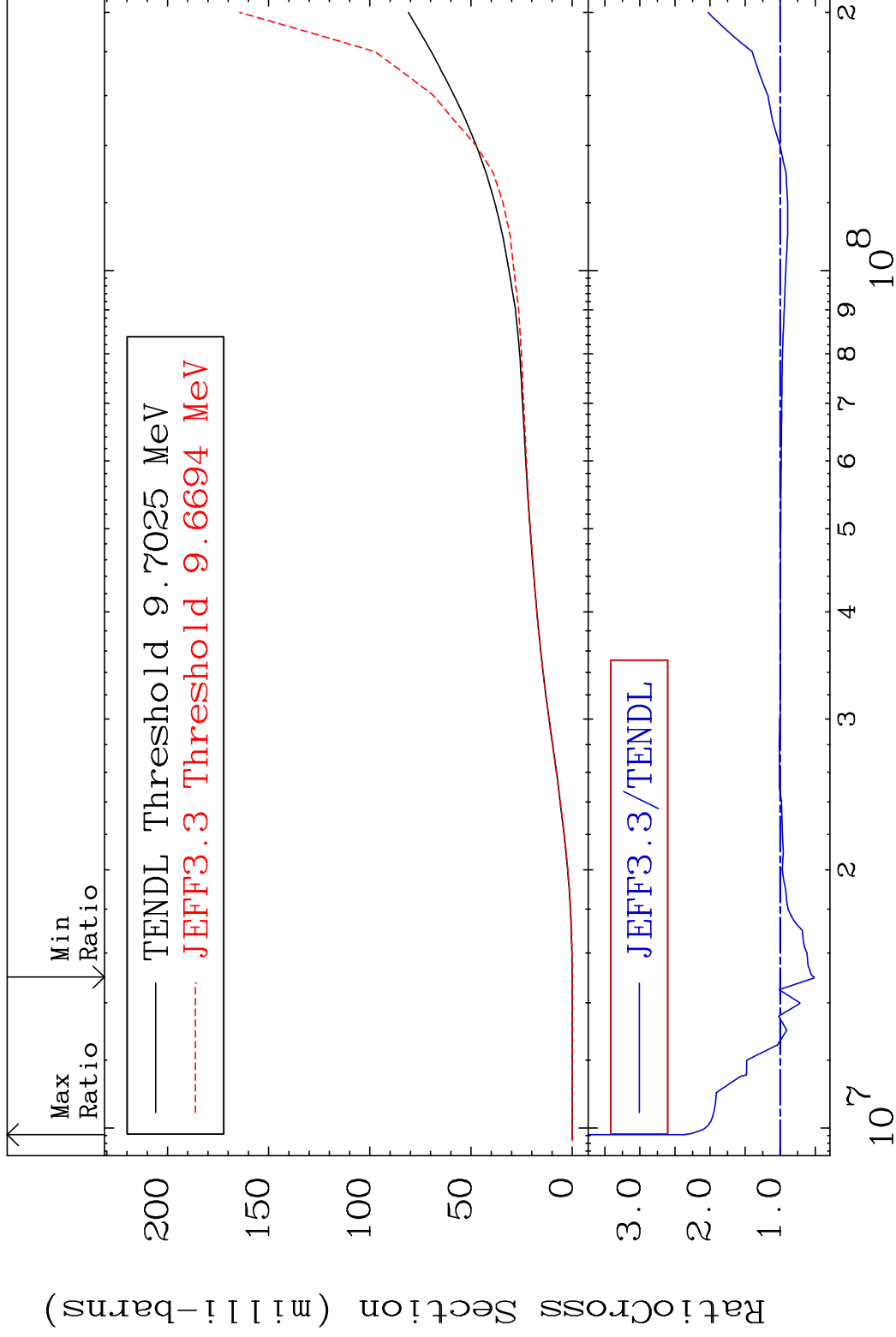
38-Sr-87

MAT 3834

Tritium Production

38-Sr-87

Cross Section -48.38 To 137.6 %



62

Incident Energy (eV)

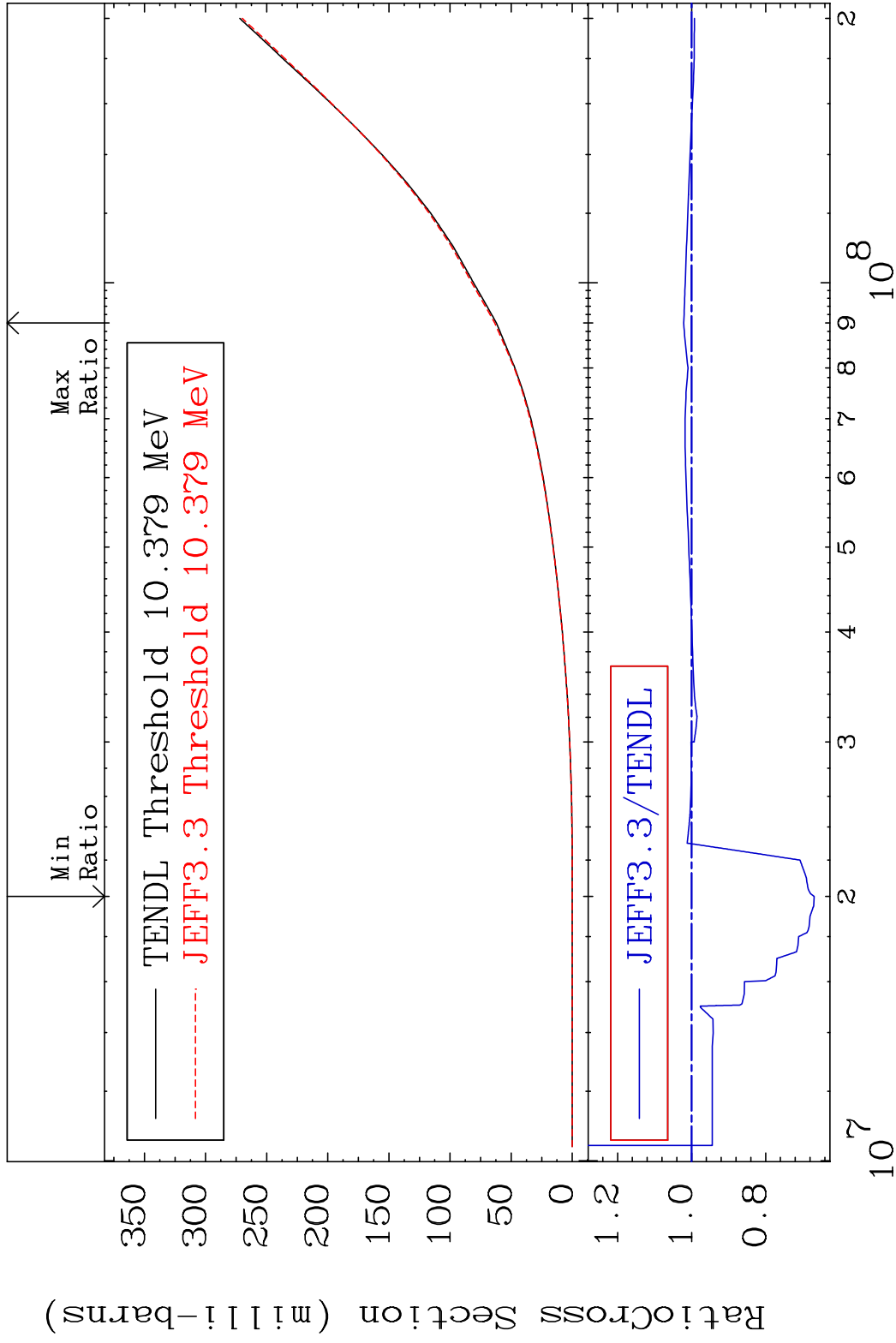
38-Sr-87

MAT 3834

He-3 Production

38-Sr-87

Cross Section -33.11 To 2.146 %



63

Incident Energy (eV)

38-Sr-87

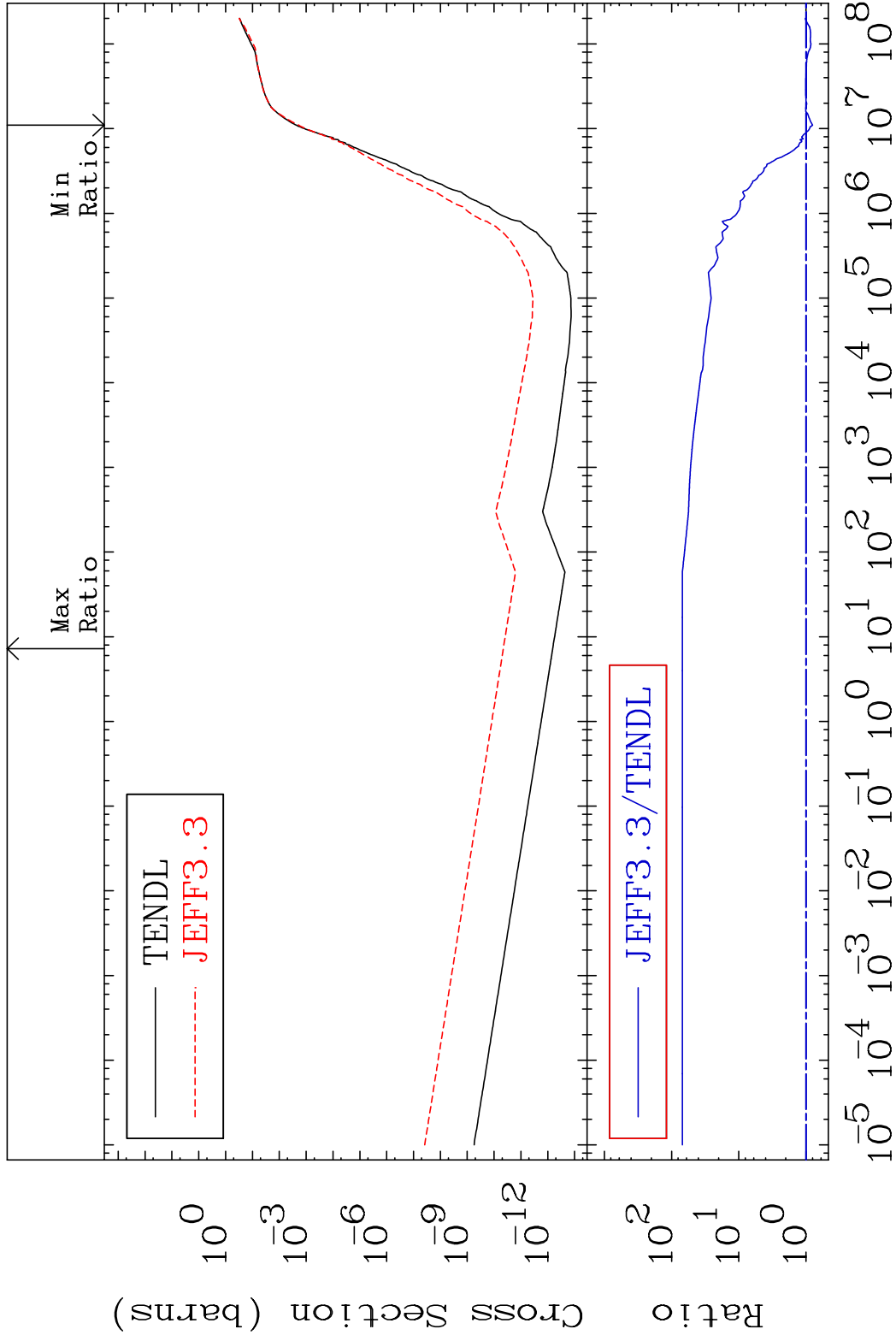


MAT 3834

He-4 Production

38-Sr-87

Cross Section -20.00 To 6812. %



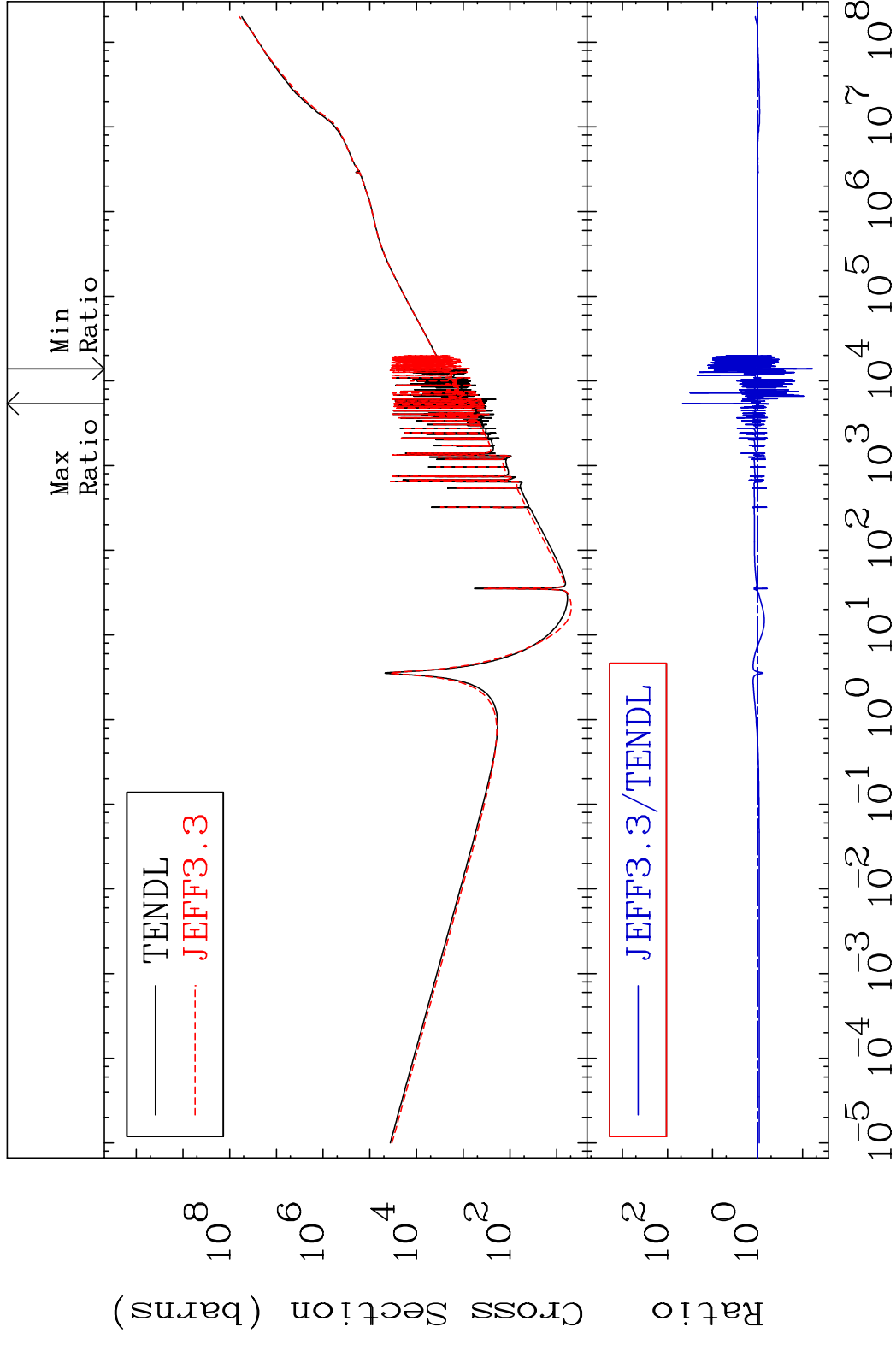
64

Incident Energy (eV)

38-Sr-87

MAT 3834

Kerma total (eV-barns) 38-Sr-87  
Cross Section -93.98 To 4570. %



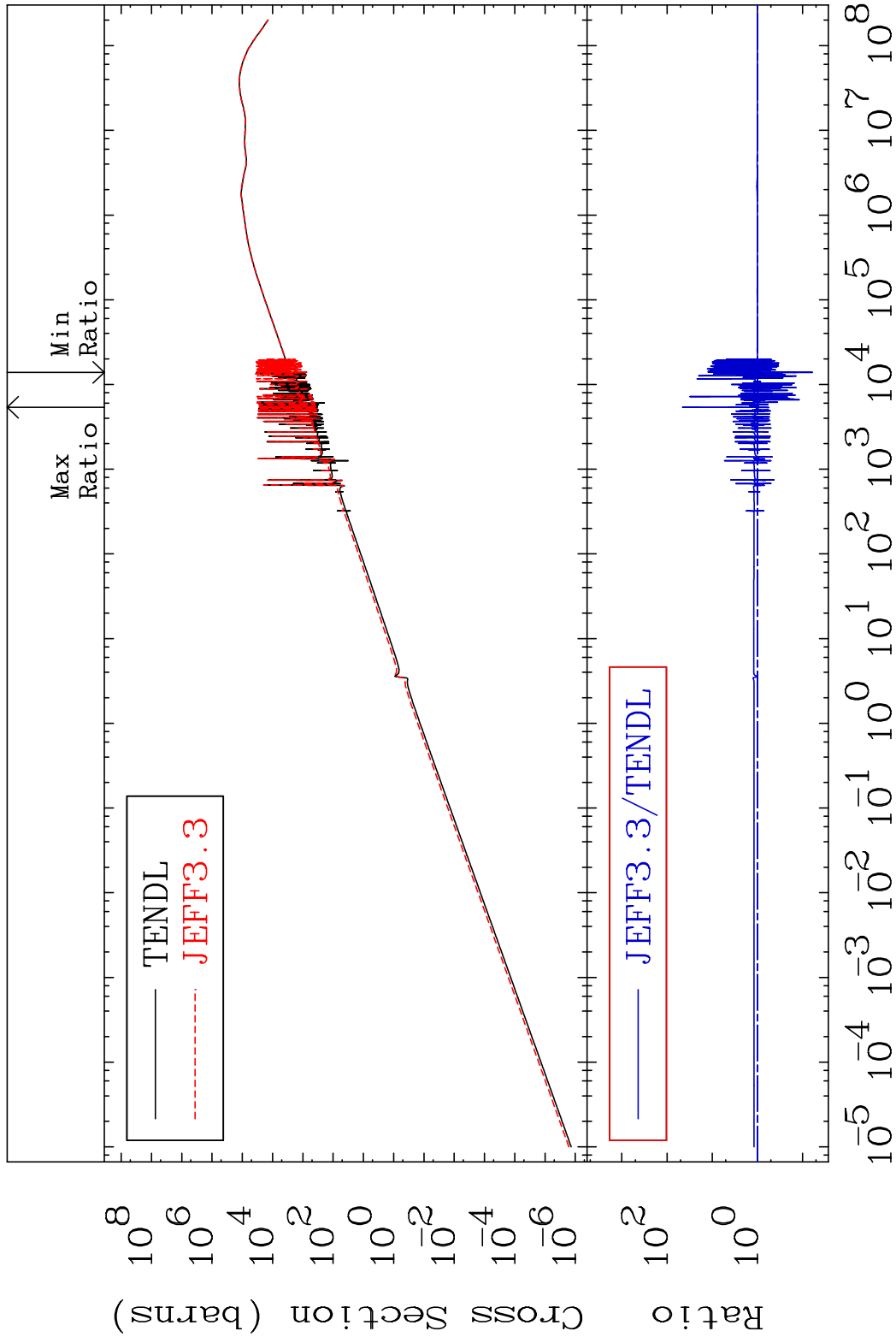
65

Incident Energy (eV)

38-Sr-87

MAT 3834

Kerma elastic Cross Section -94.00 To 4473. %  
38-Sr-87

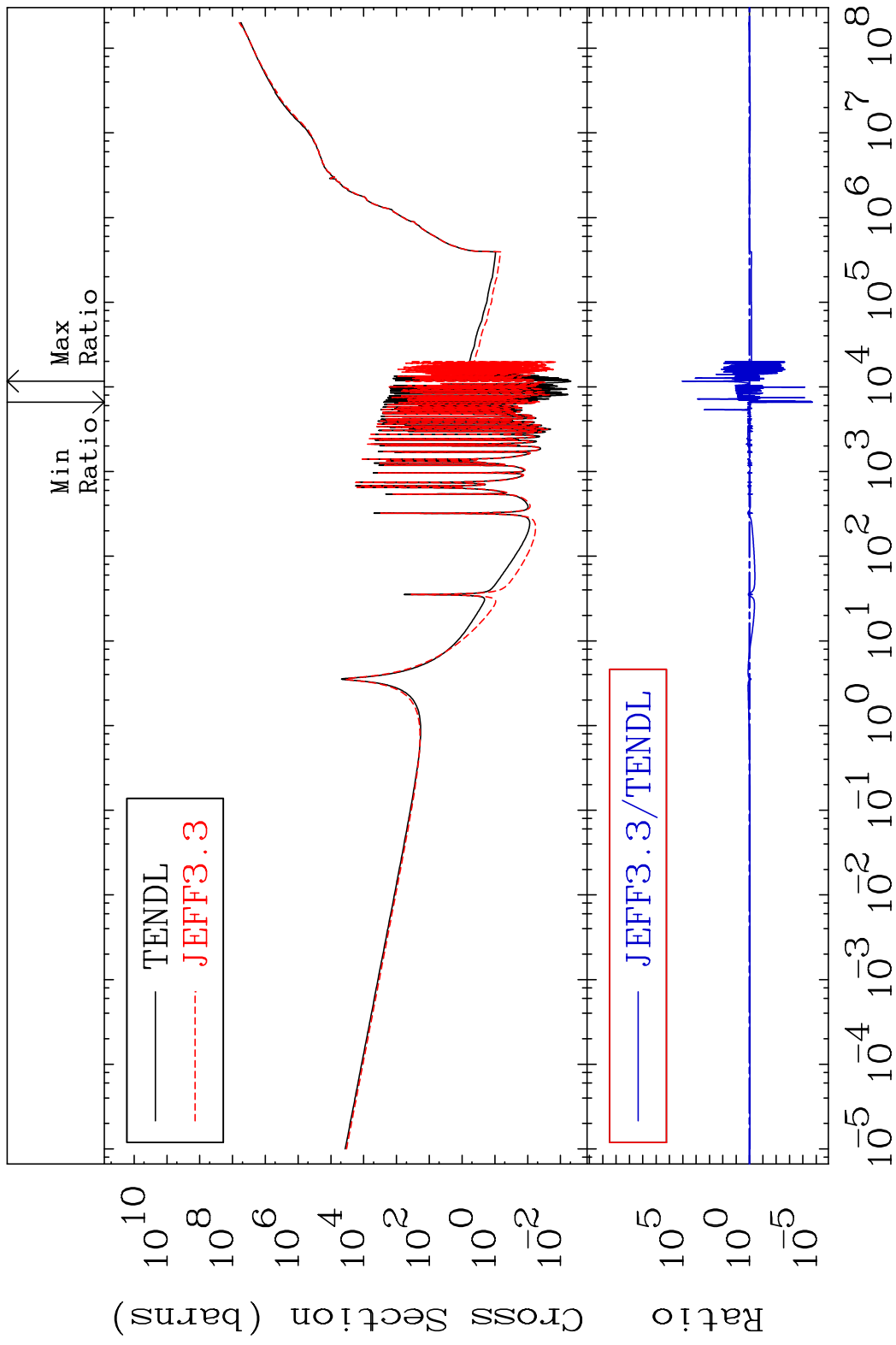


66

Incident Energy (eV)

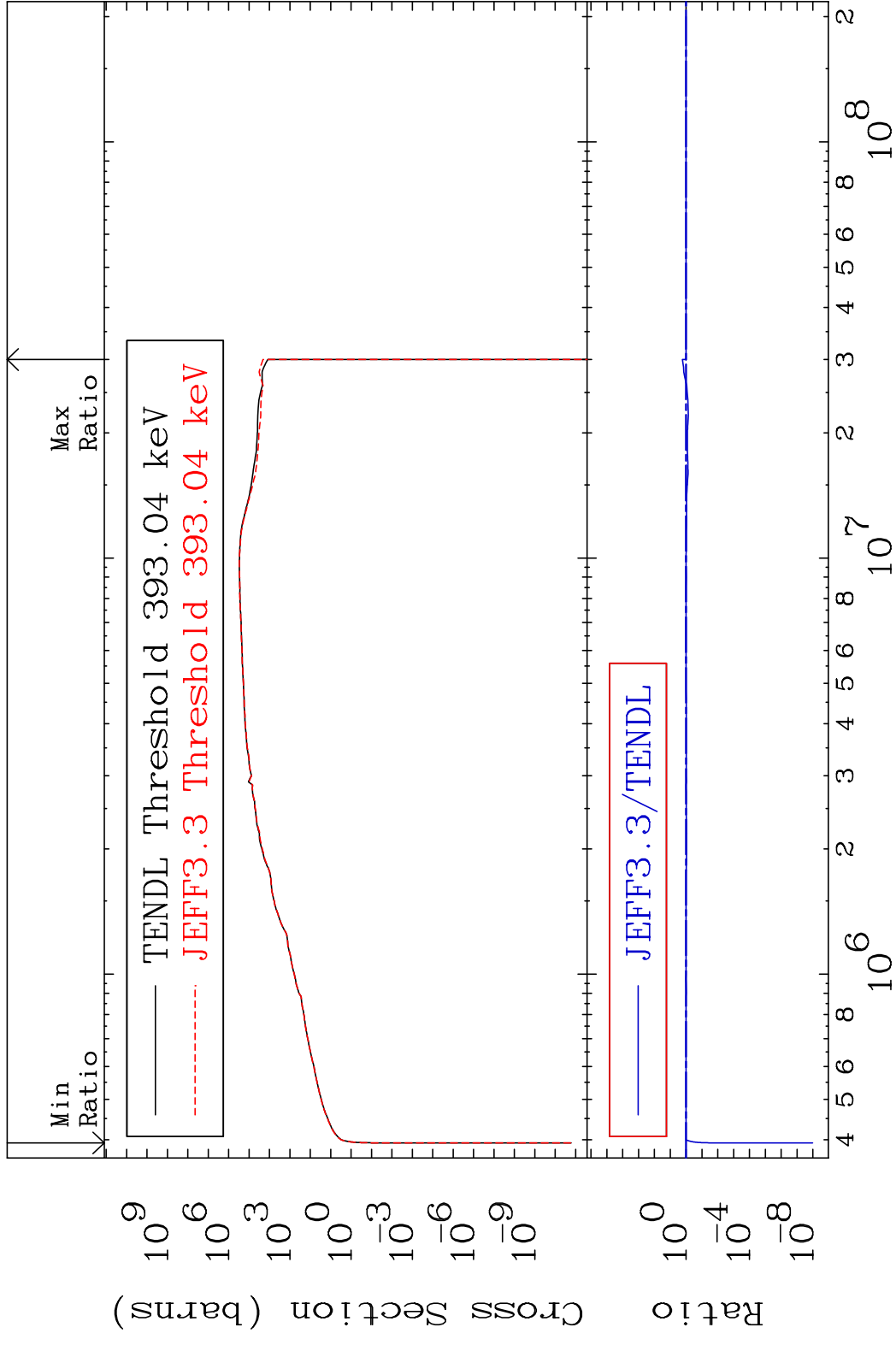
38-Sr-87

MAT 3834 Kerma non-elastic (all but mt2) 38-Sr-87  
 Cross Section -100.0 To 9999. %

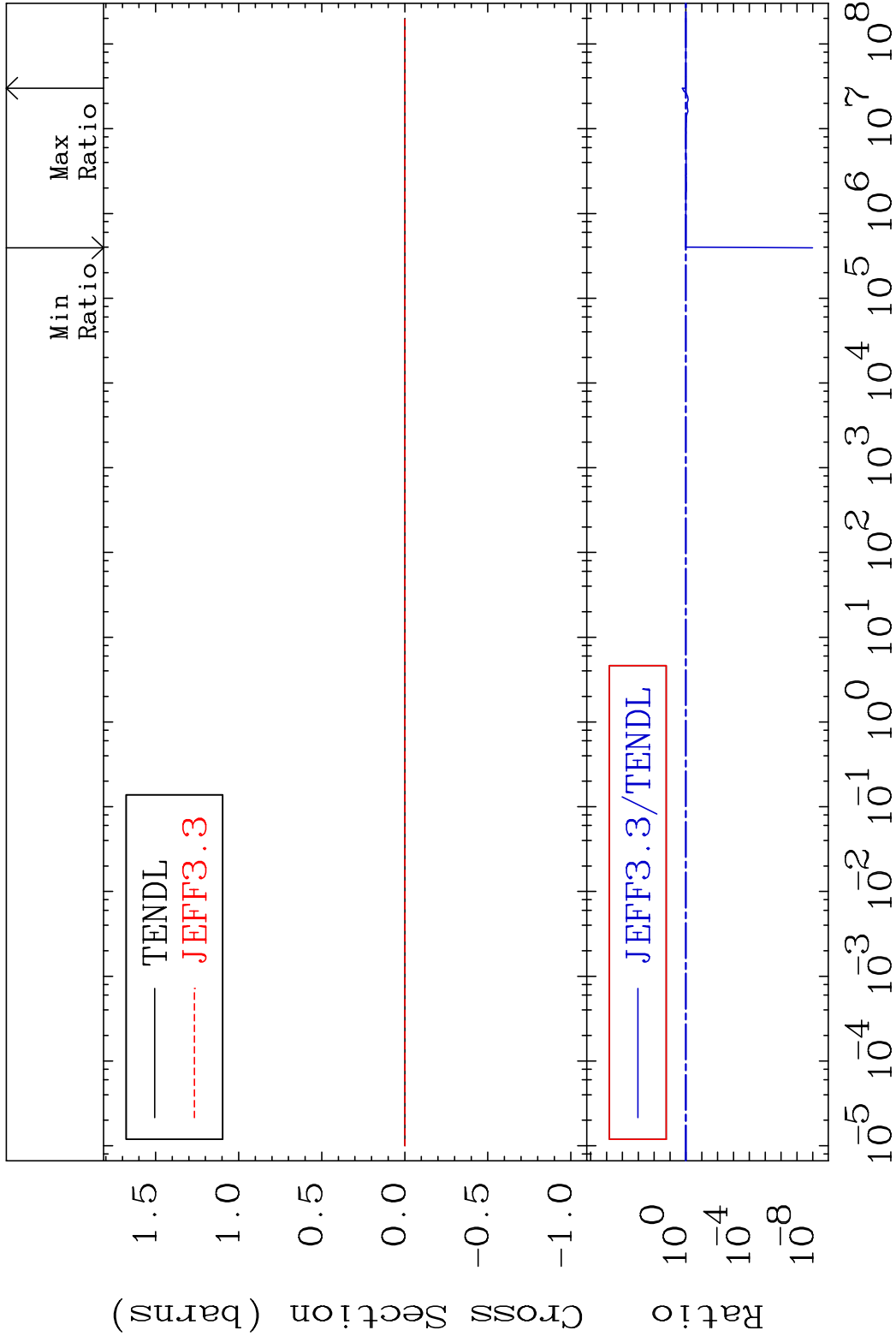


67 Incident Energy (eV) 38-Sr-87

MAT 3834 Kerma inelastic (mt51-91) 38-Sr-87  
 Cross Section -100.0 To 72.25 %



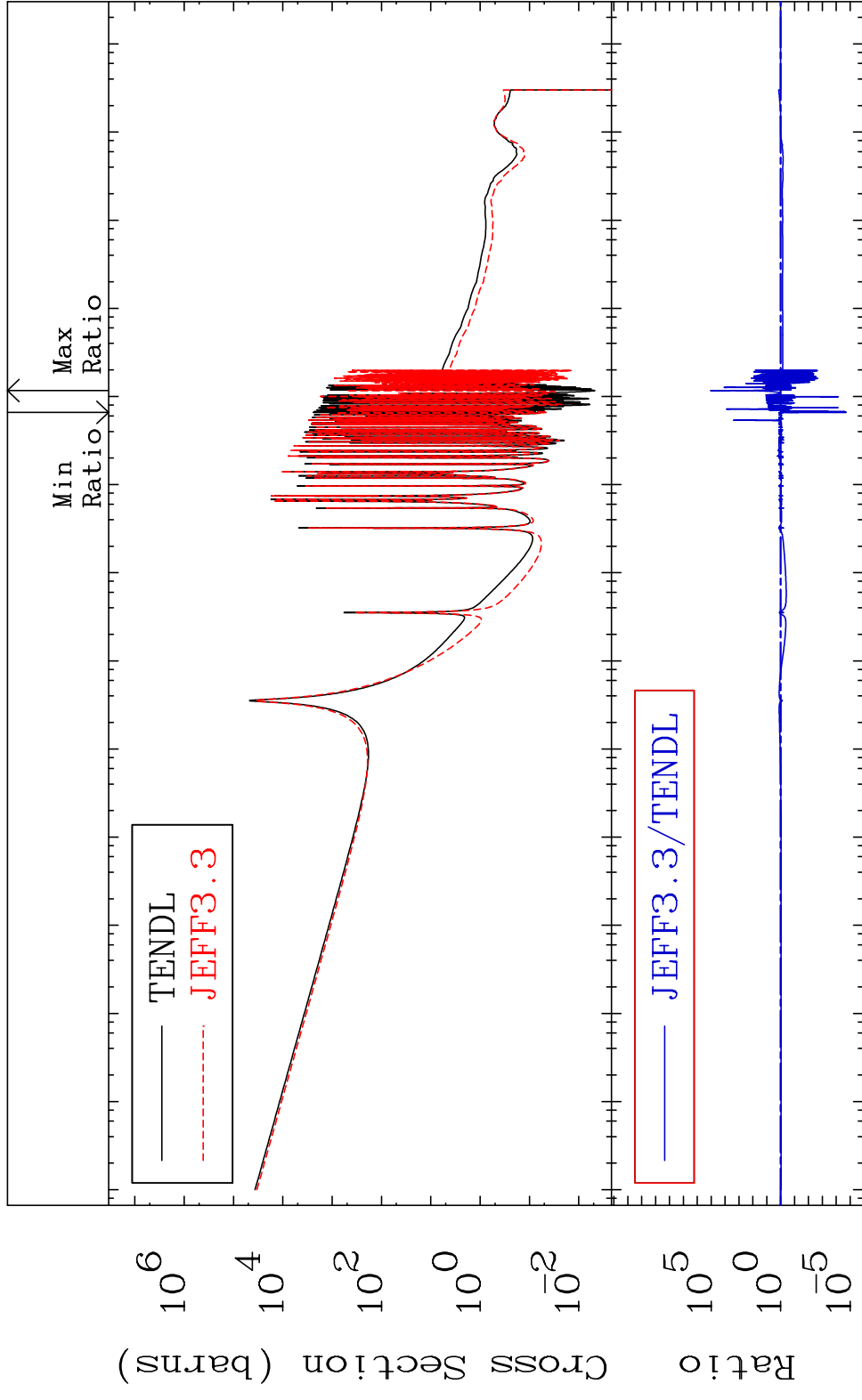
MAT 3834 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-87  
 Cross Section -100.0 To 72.25 %



MAT 3834

Kerma capture (mt102) 38-Sr-87

Cross Section -100.0 To 9999. %



10<sup>6</sup>

10<sup>4</sup>

10<sup>2</sup>

10<sup>0</sup>

10<sup>-2</sup>

10<sup>5</sup>

10<sup>0</sup>

10<sup>-5</sup>

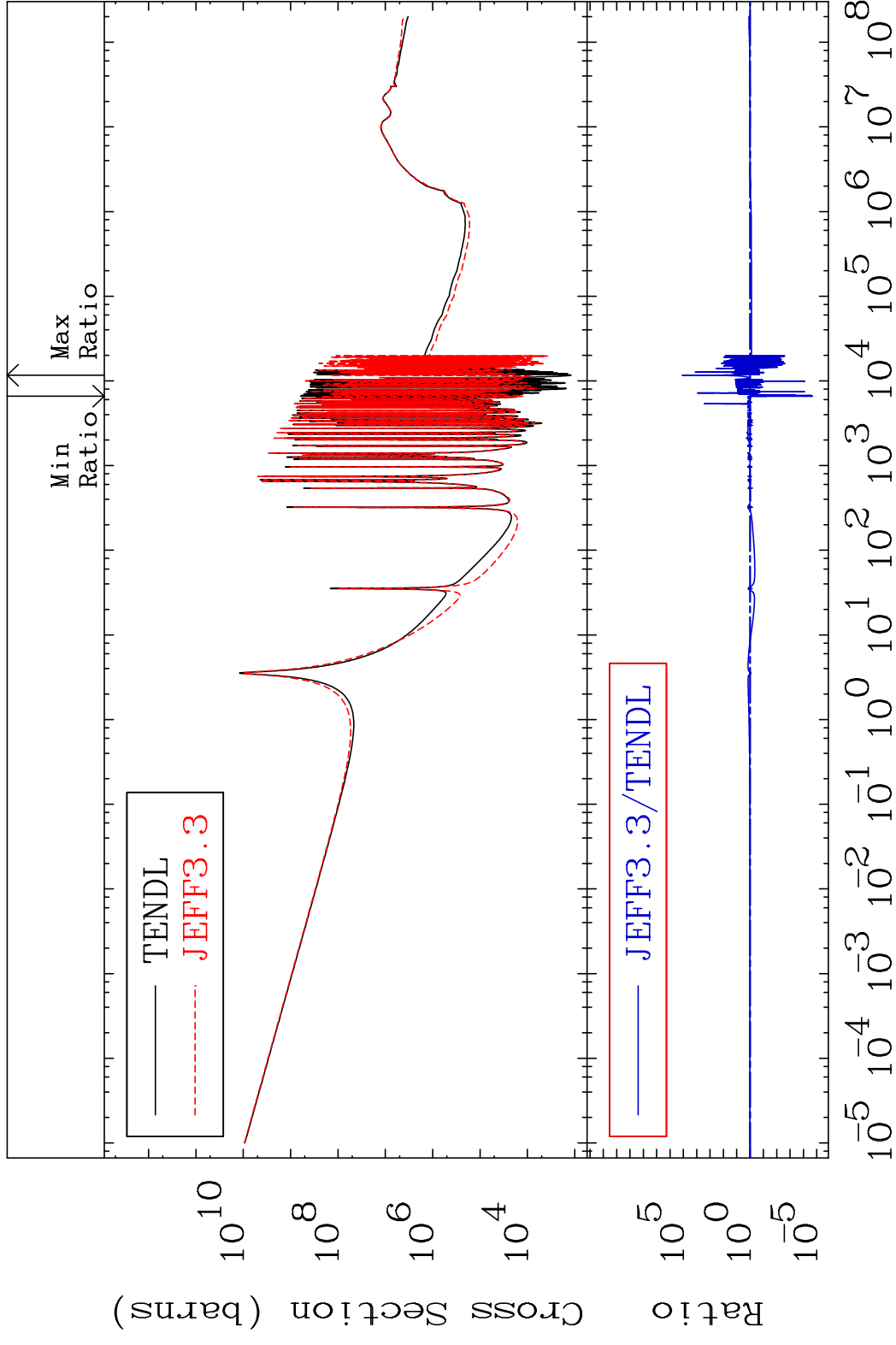
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

70

Incident Energy (eV)

38-Sr-87

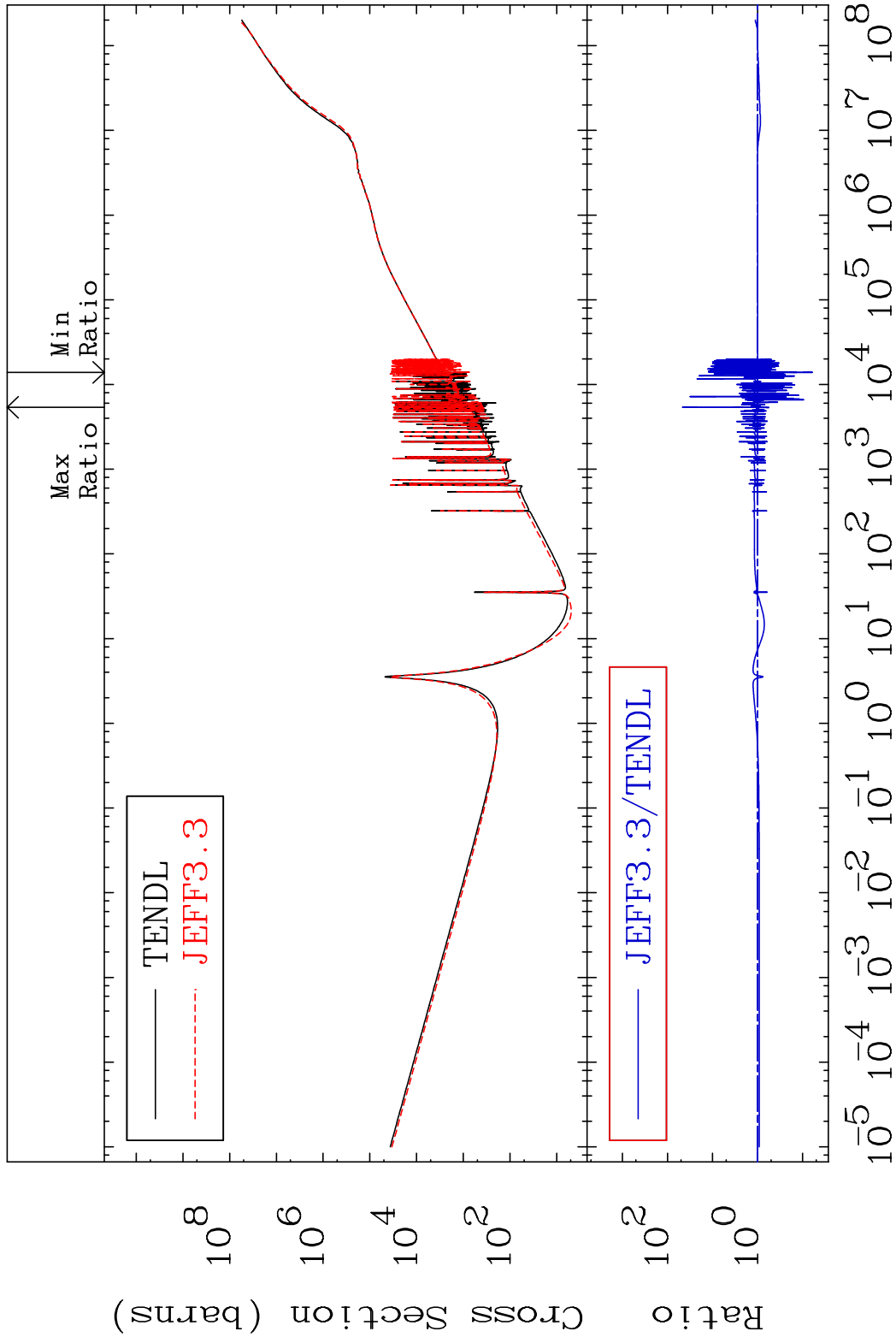
MAT 3834 Total photon (eV-barns) 38-Sr-87  
 Cross Section -100.0 To 9999. %



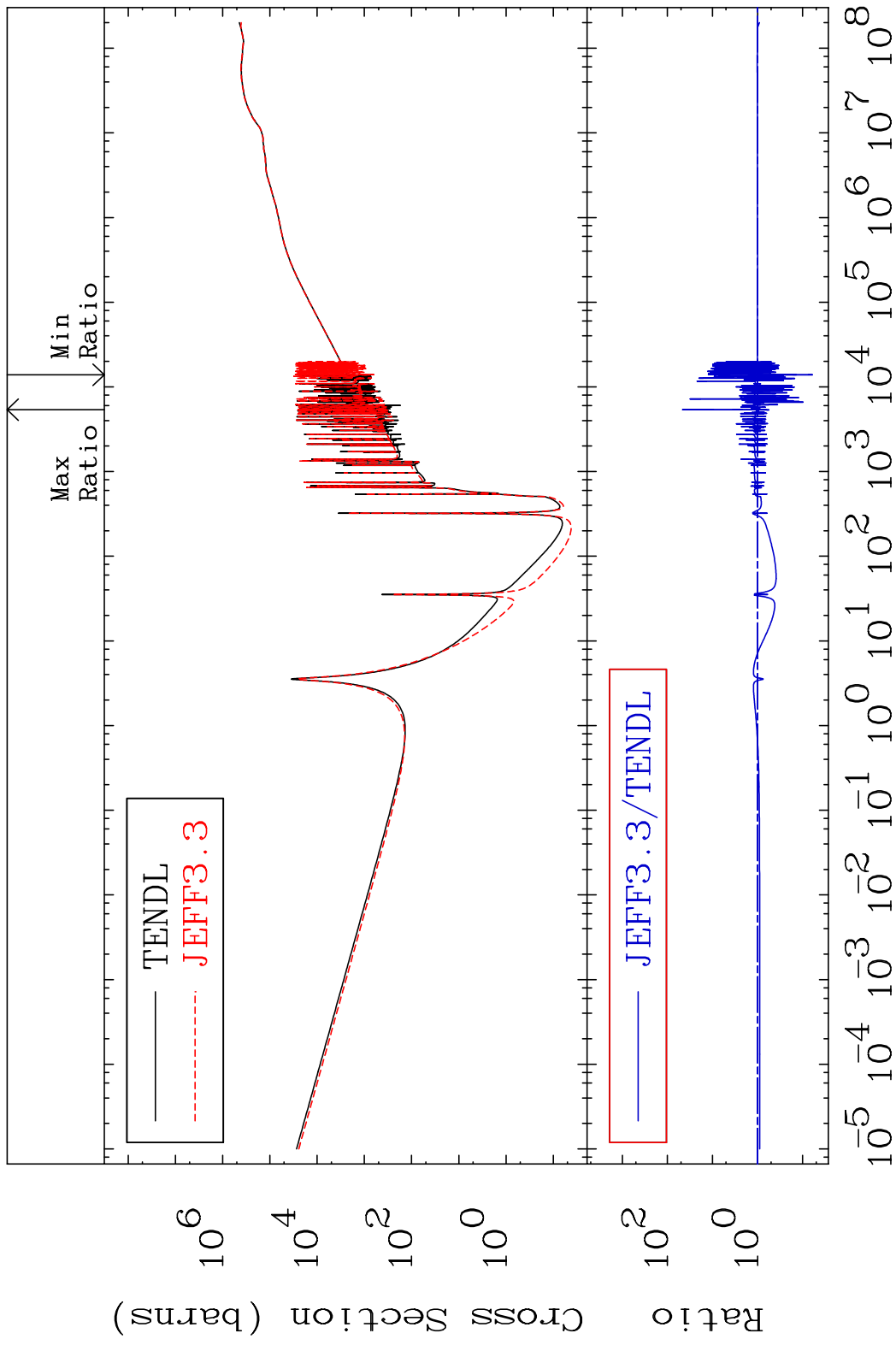
71 Incident Energy (eV) 38-Sr-87



MAT 3834 Total kinematic kerma (high limit) 38-Sr-87  
 Cross Section -93.98 To 4570. %



MAT 3834      Dpa total (eV-barns)      38-Sr-87  
 Cross Section      -93.98 To 4555. %

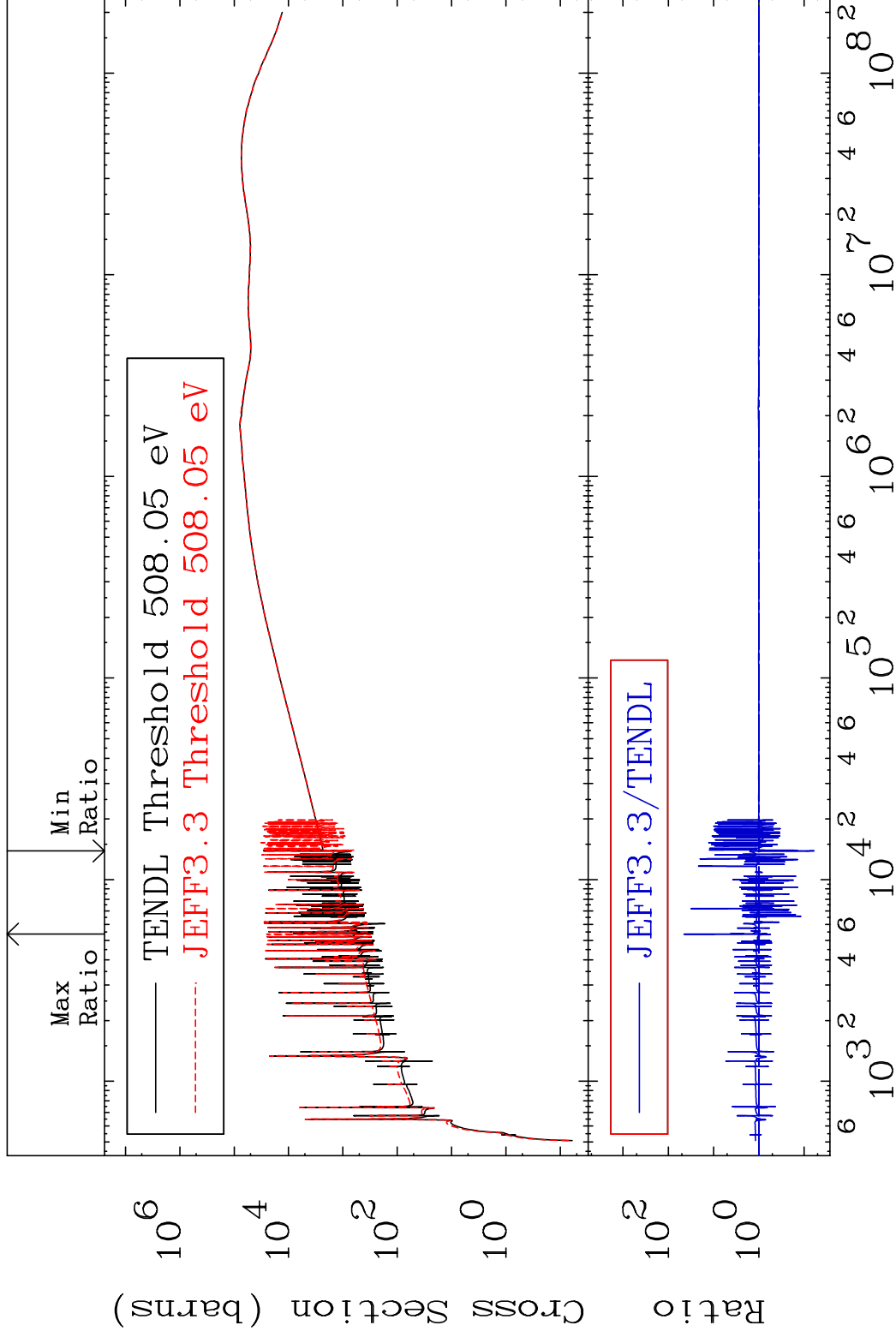


MAT 3834

Dpa elastic (mt2)

38-Sr-87

Cross Section -94.00 To 4473. %

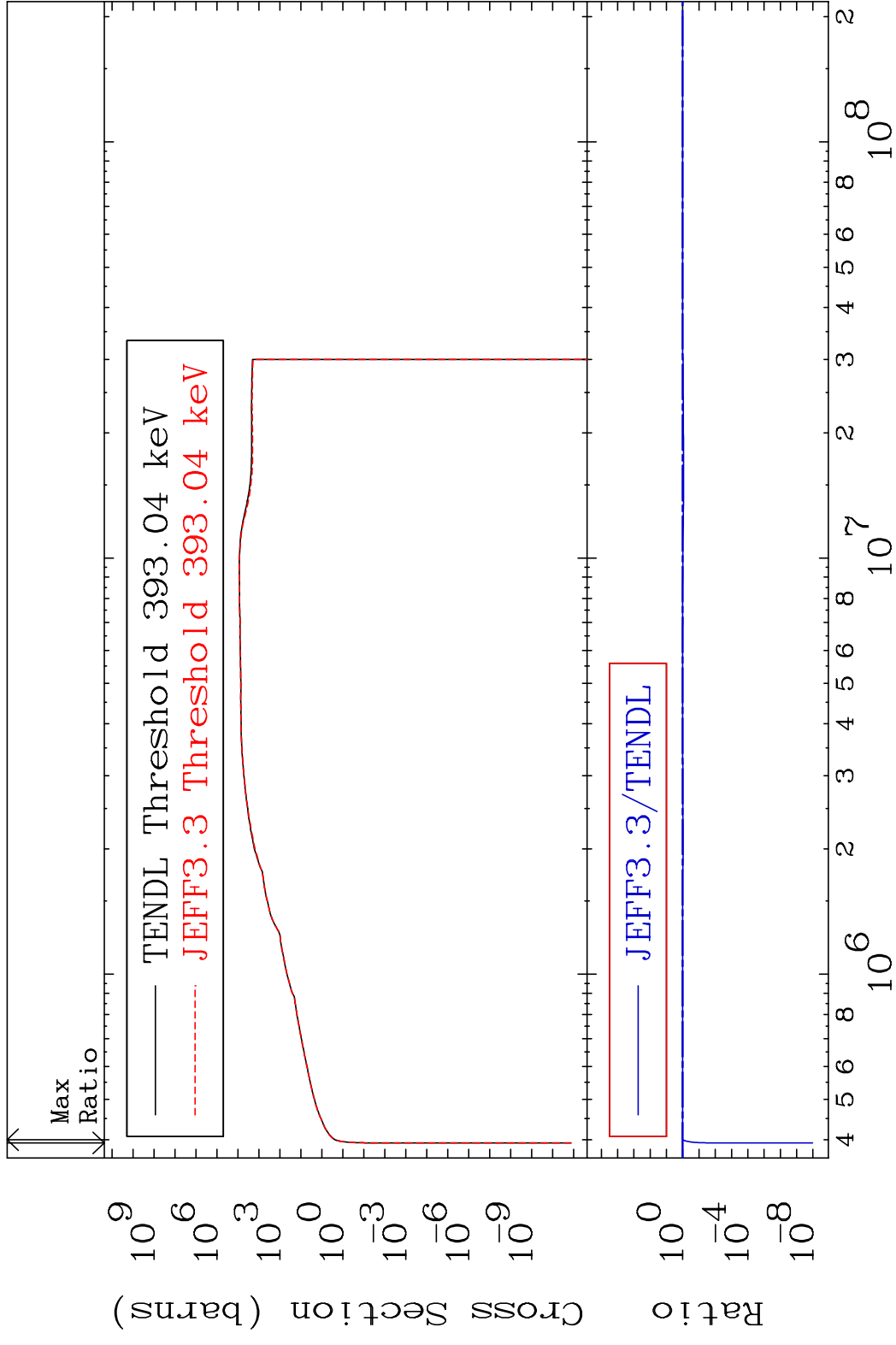


74

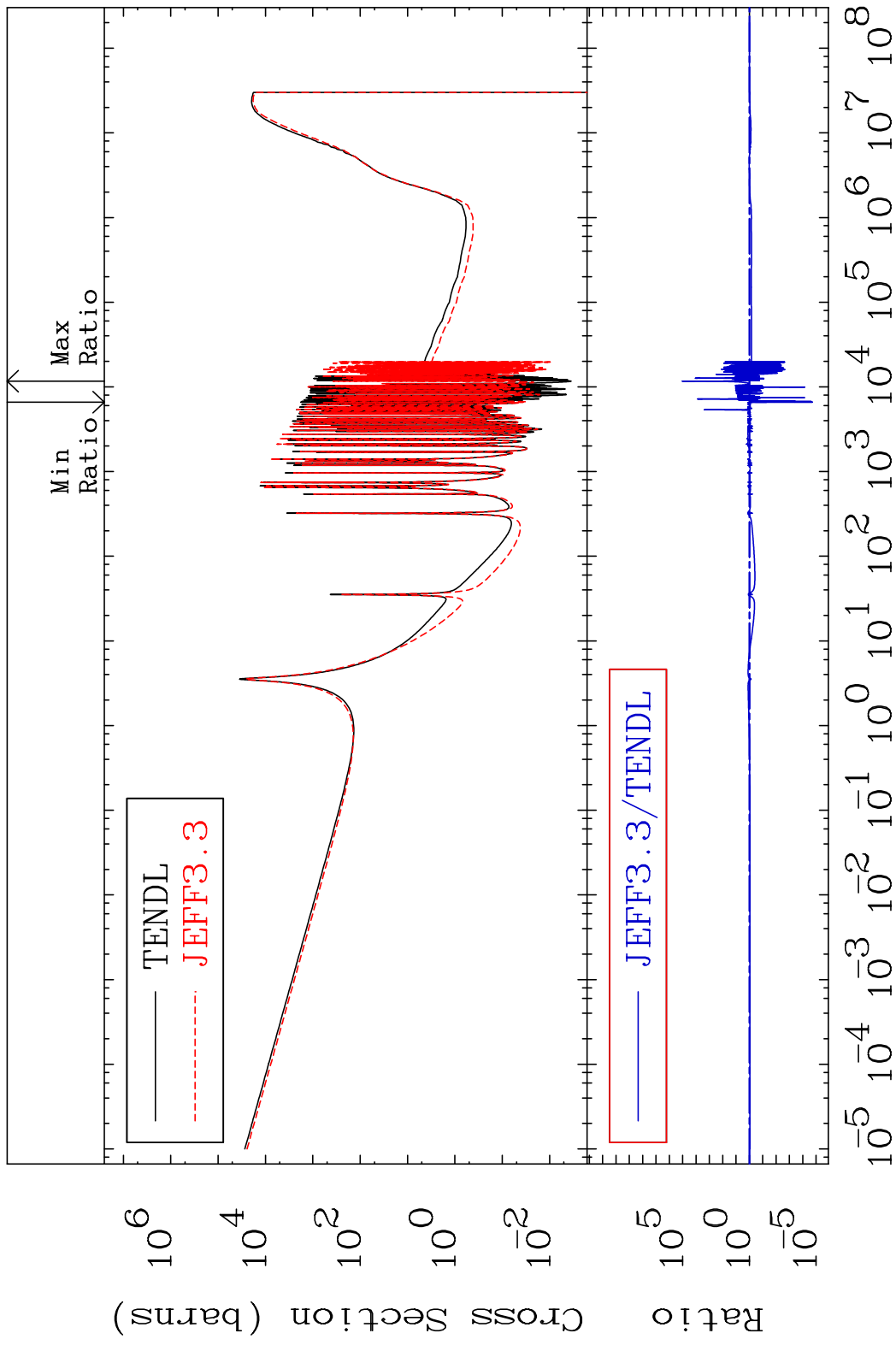
Incident Energy (eV)

38-Sr-87

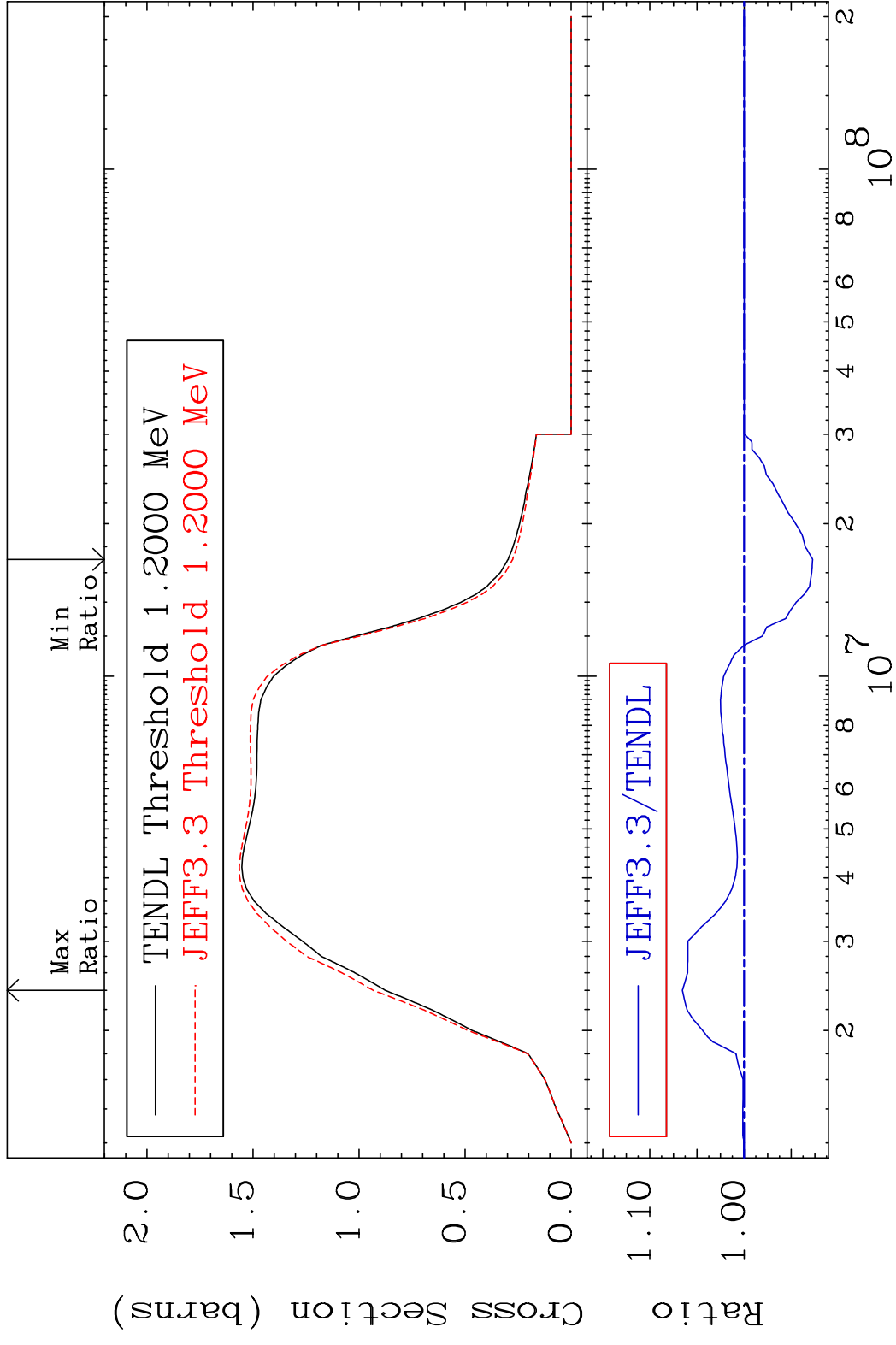
MAT 3834      Dpa inelastic (mt51-91)      38-Sr-87  
 Cross Section      -100.0 To 5.341 %

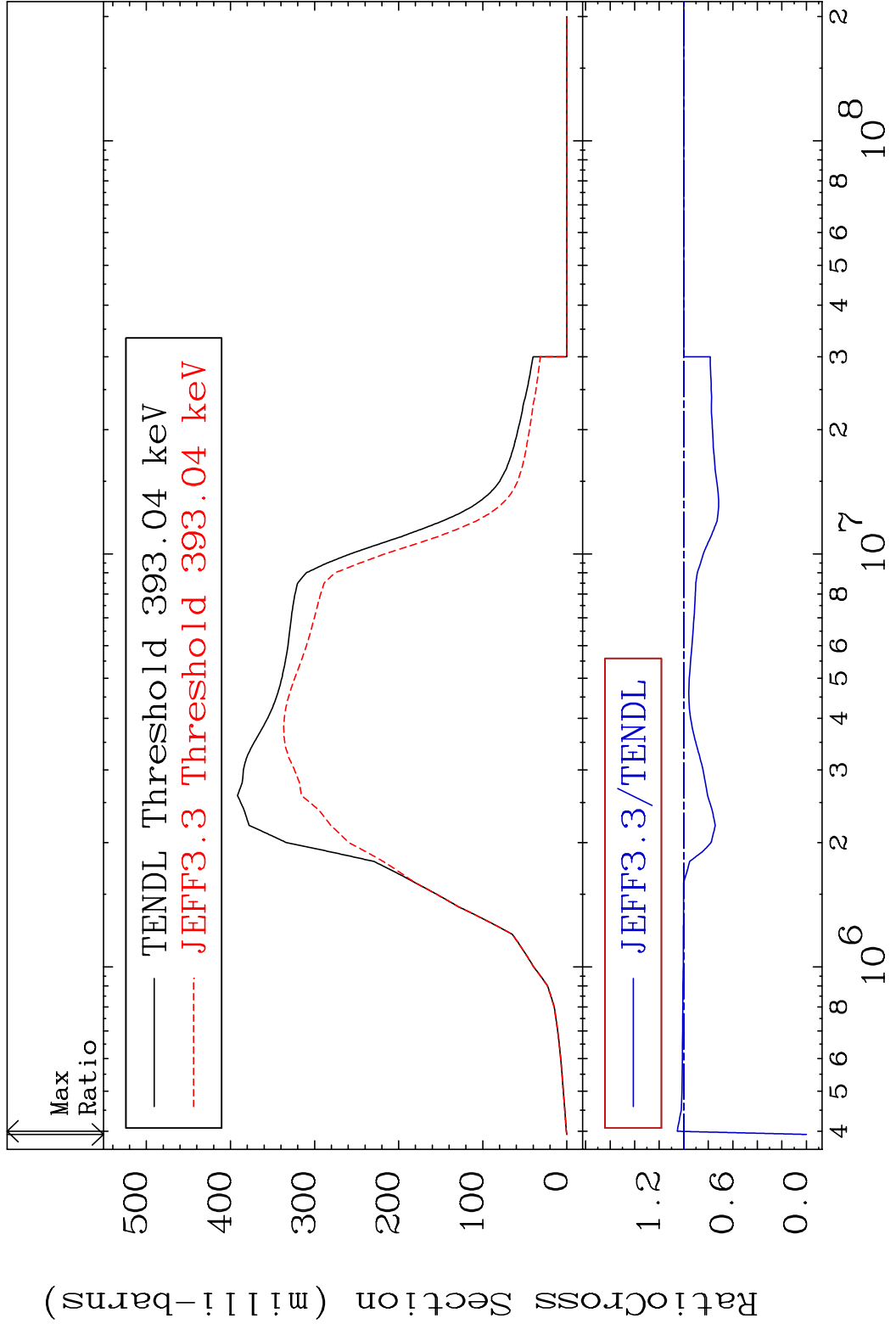


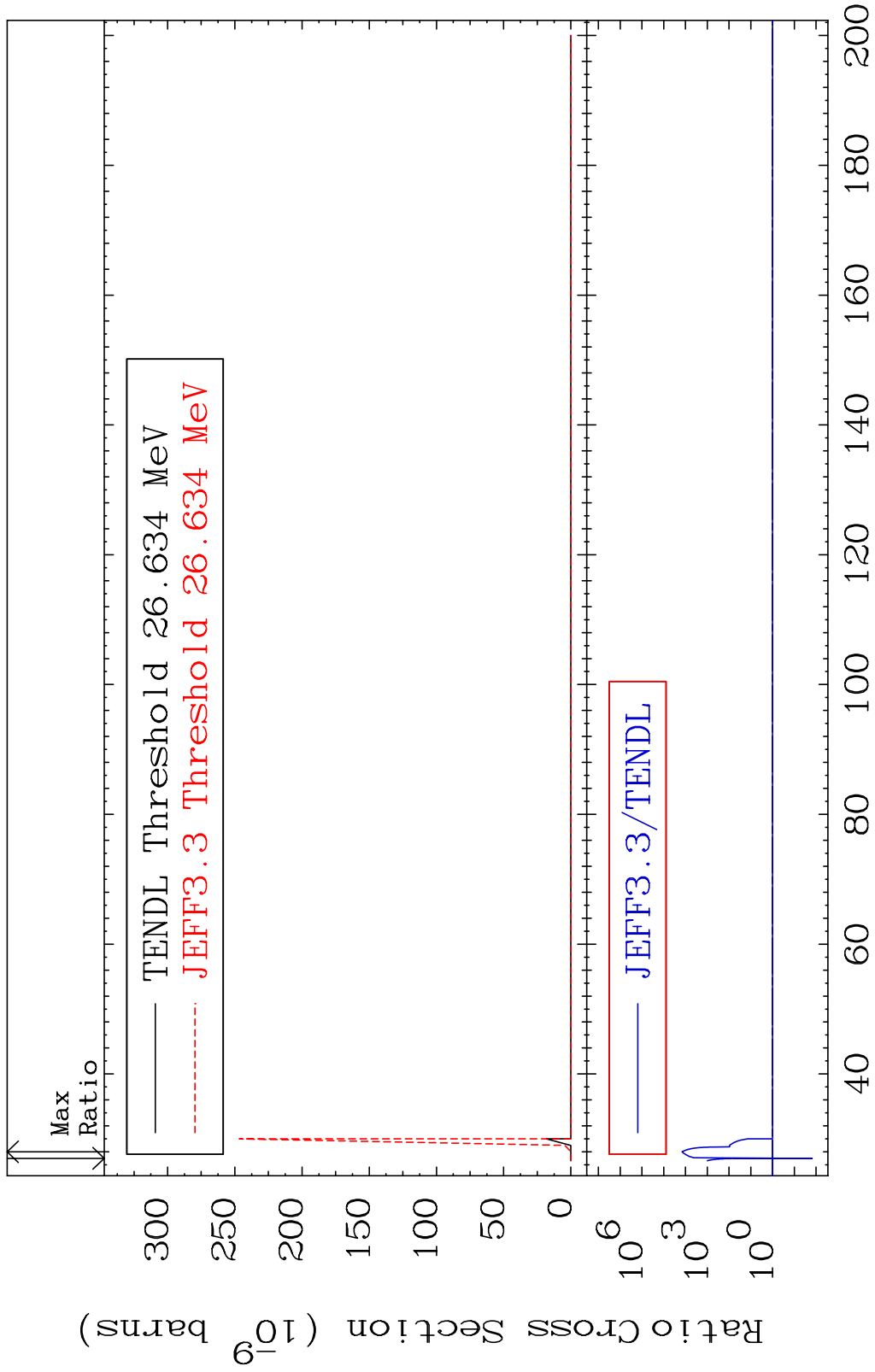
MAT 3834 Dpa disappearance (mt102 -120) 38-Sr-87  
 Cross Section -100.0 To 9999. %



76 Incident Energy (eV) 38-Sr-87

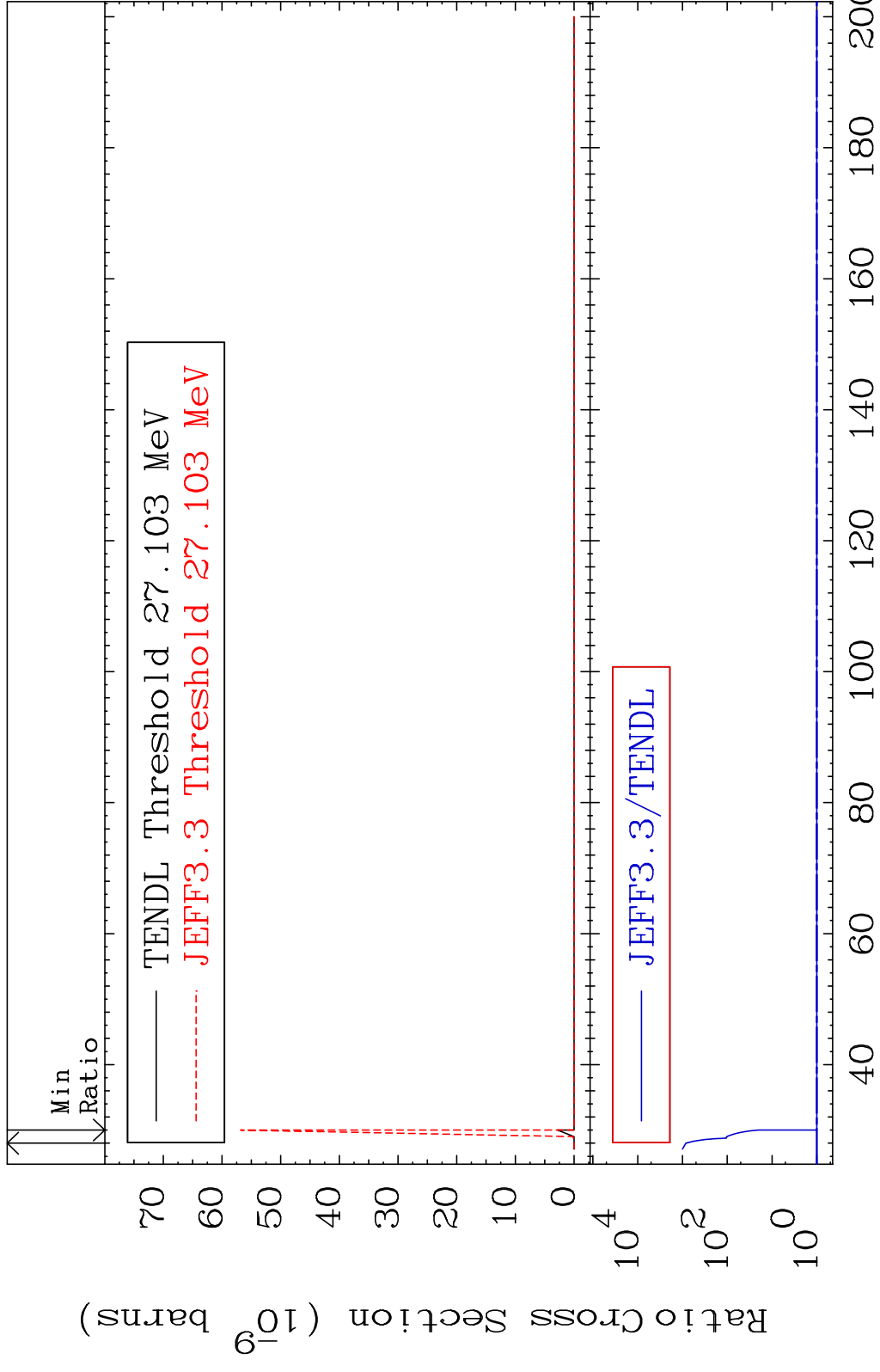






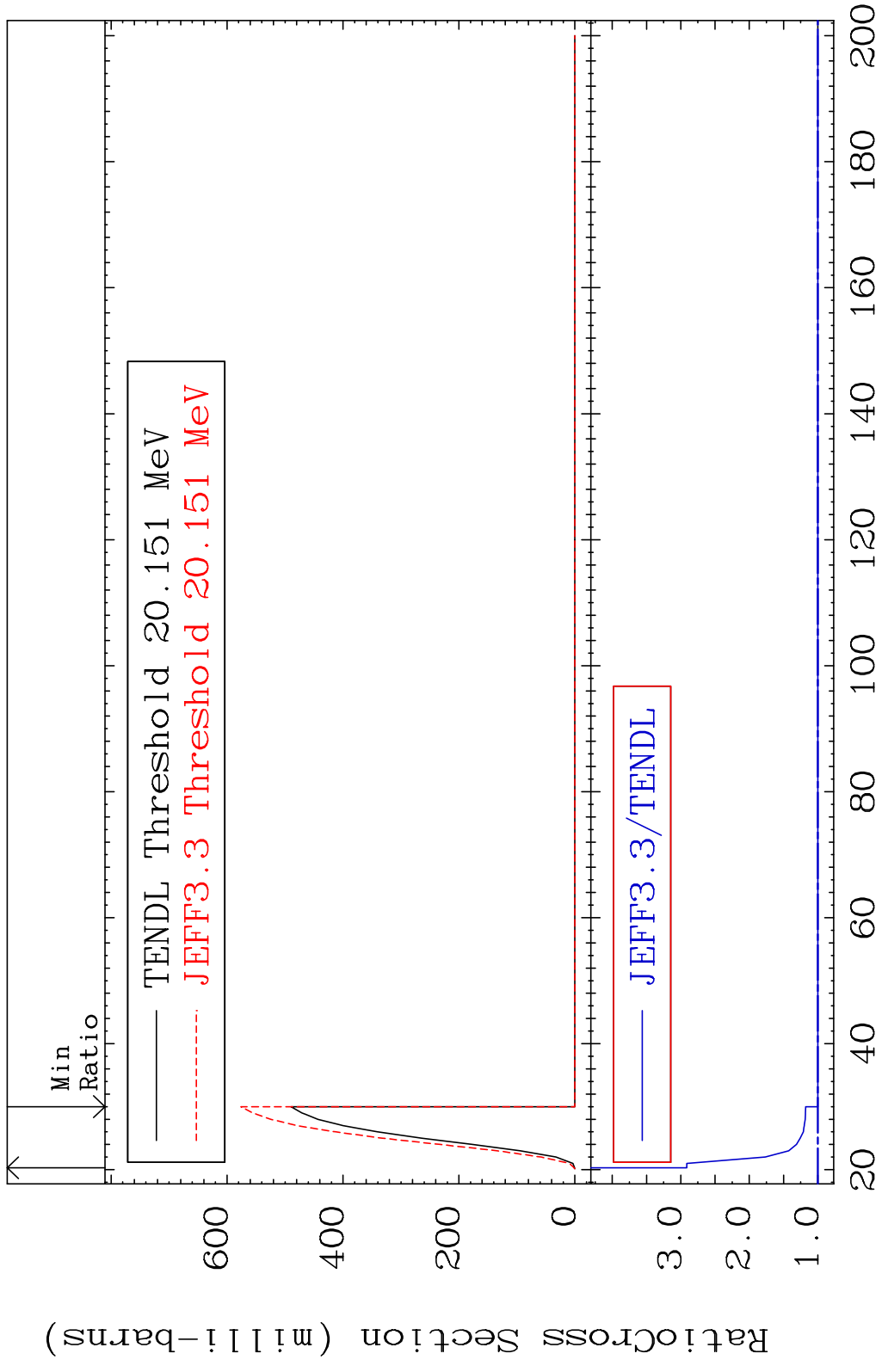


MAT 3834 (n,2n) d:37-Rb-84m2 38-Sr-87  
 Radionuclide Production Cross Section 9999. %

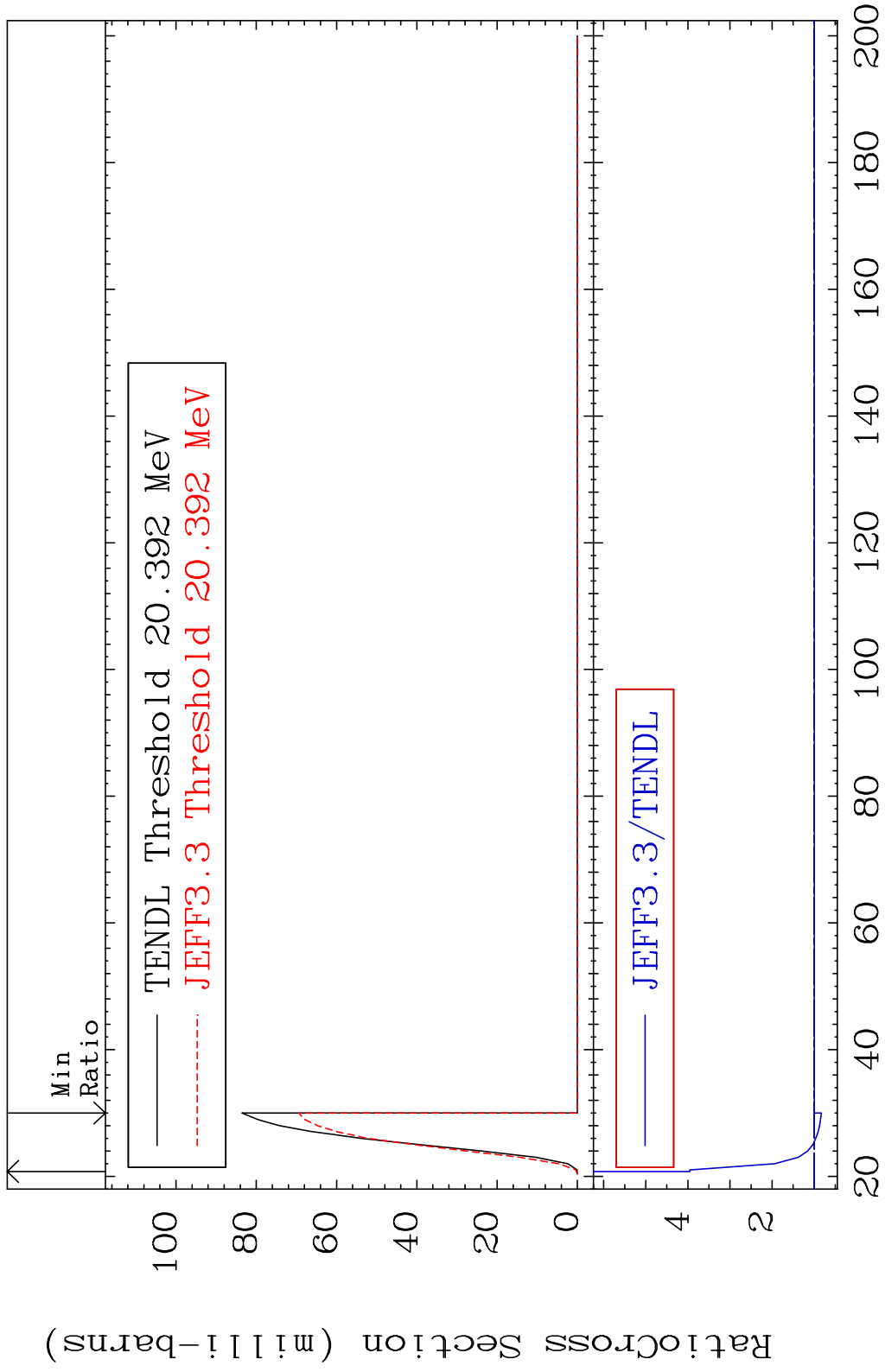


80 Incident Energy (MeV) 38-Sr-87

MAT 3834 (n,3n):38-Sr-85g 38-Sr-87  
 Radionuclide Production Cross Section 191.3 %

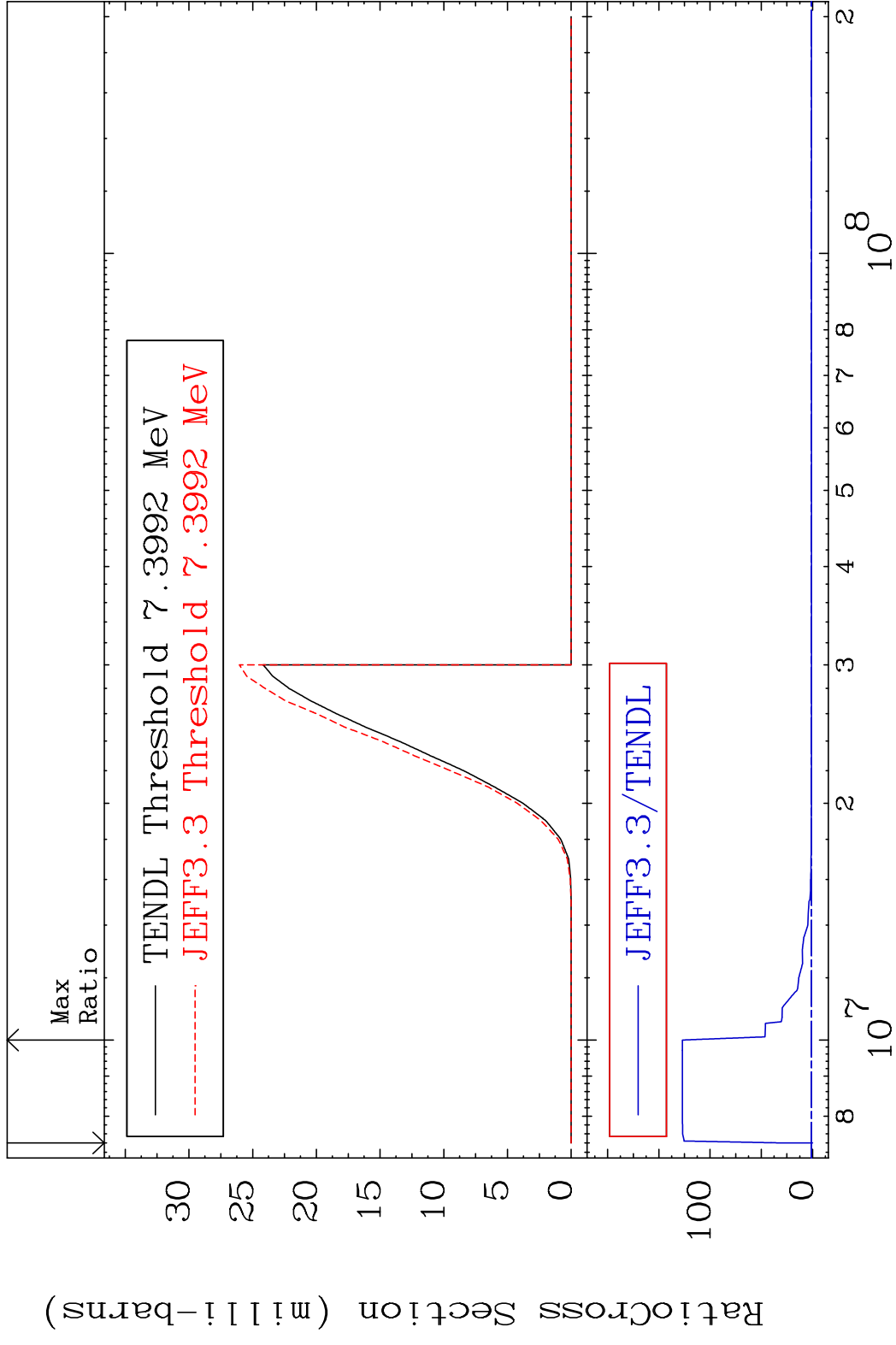


MAT 3834 (n,3n):38-Sr-85m2 38-Sr-87  
 Radionuclide Production Cross Section 18e-06 d/d0 295.5 %

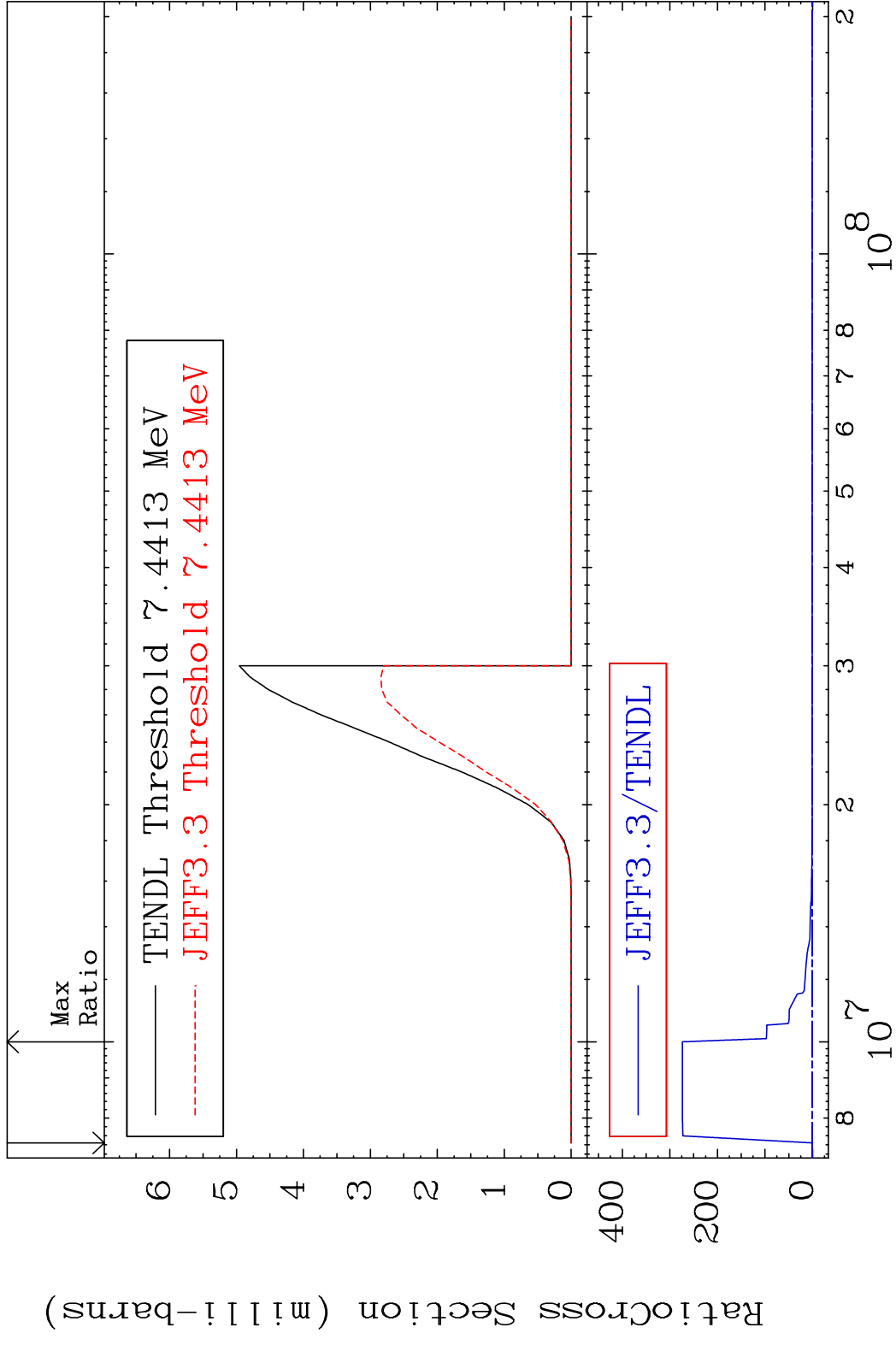


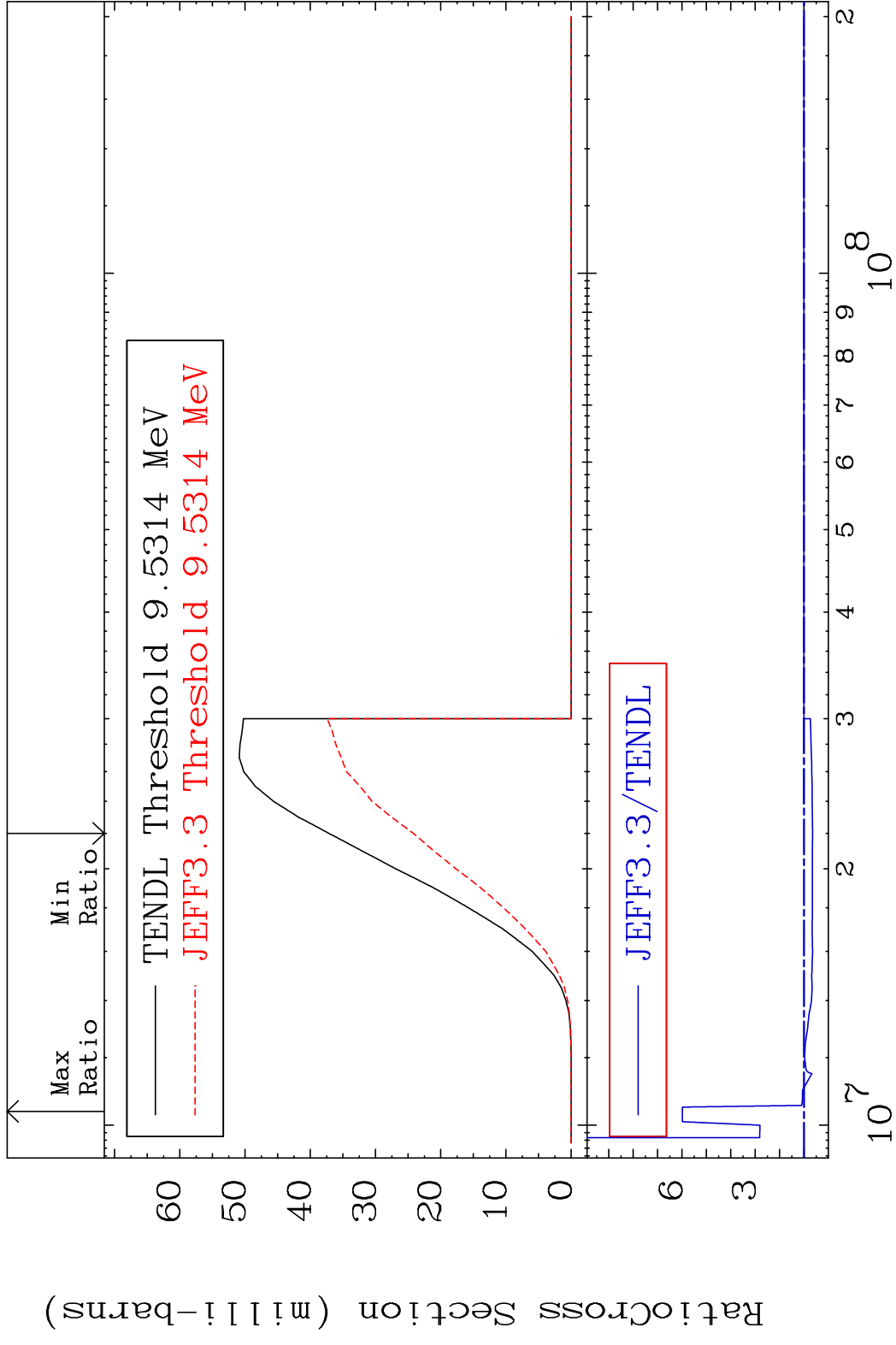
82 Incident Energy (MeV) 38-Sr-87

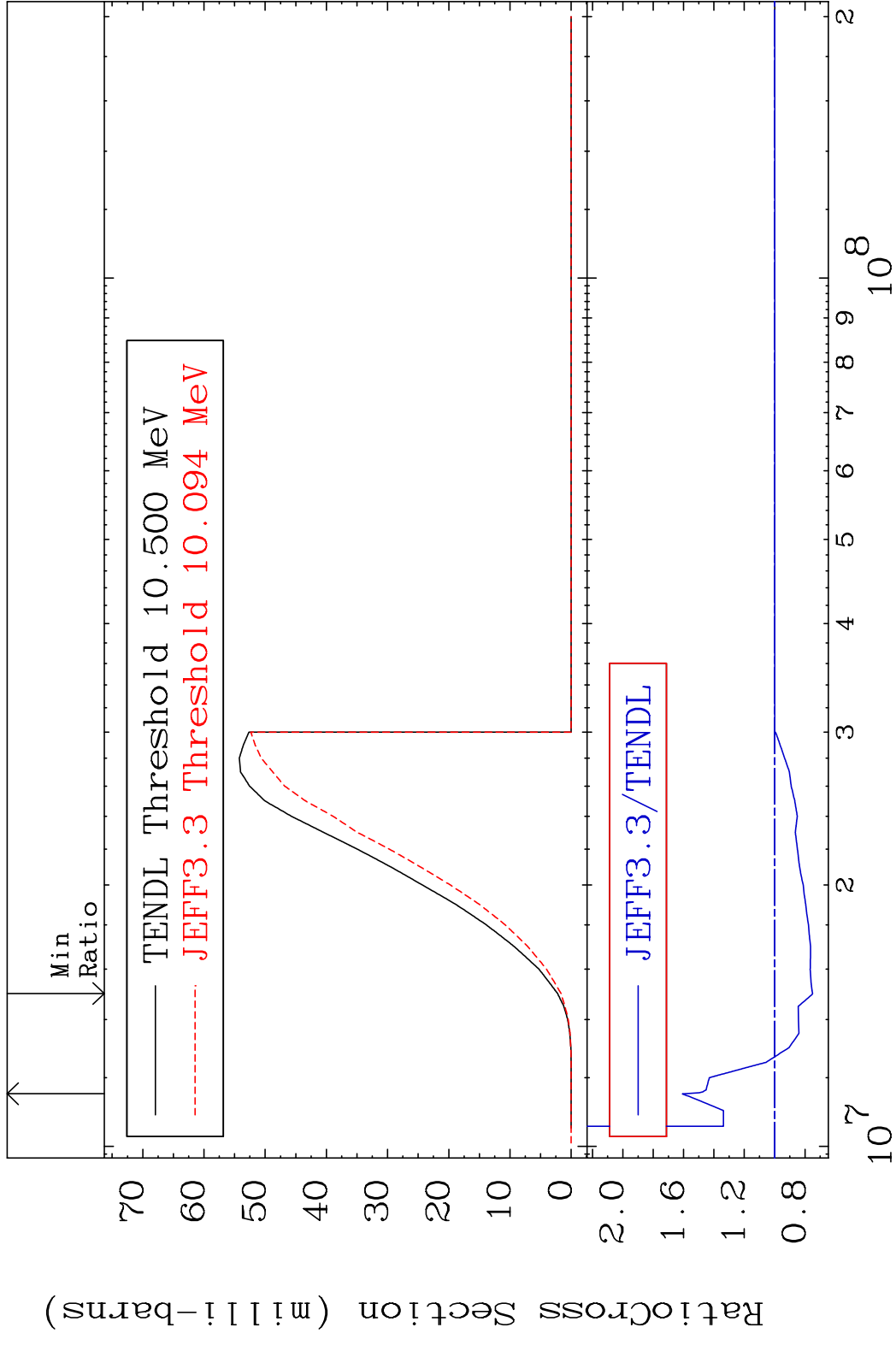
MAT 3834 (n, n')  $\alpha$ :36-Kr-83g 38-Sr-87  
 Radionuclide Production Cross Section Ratio



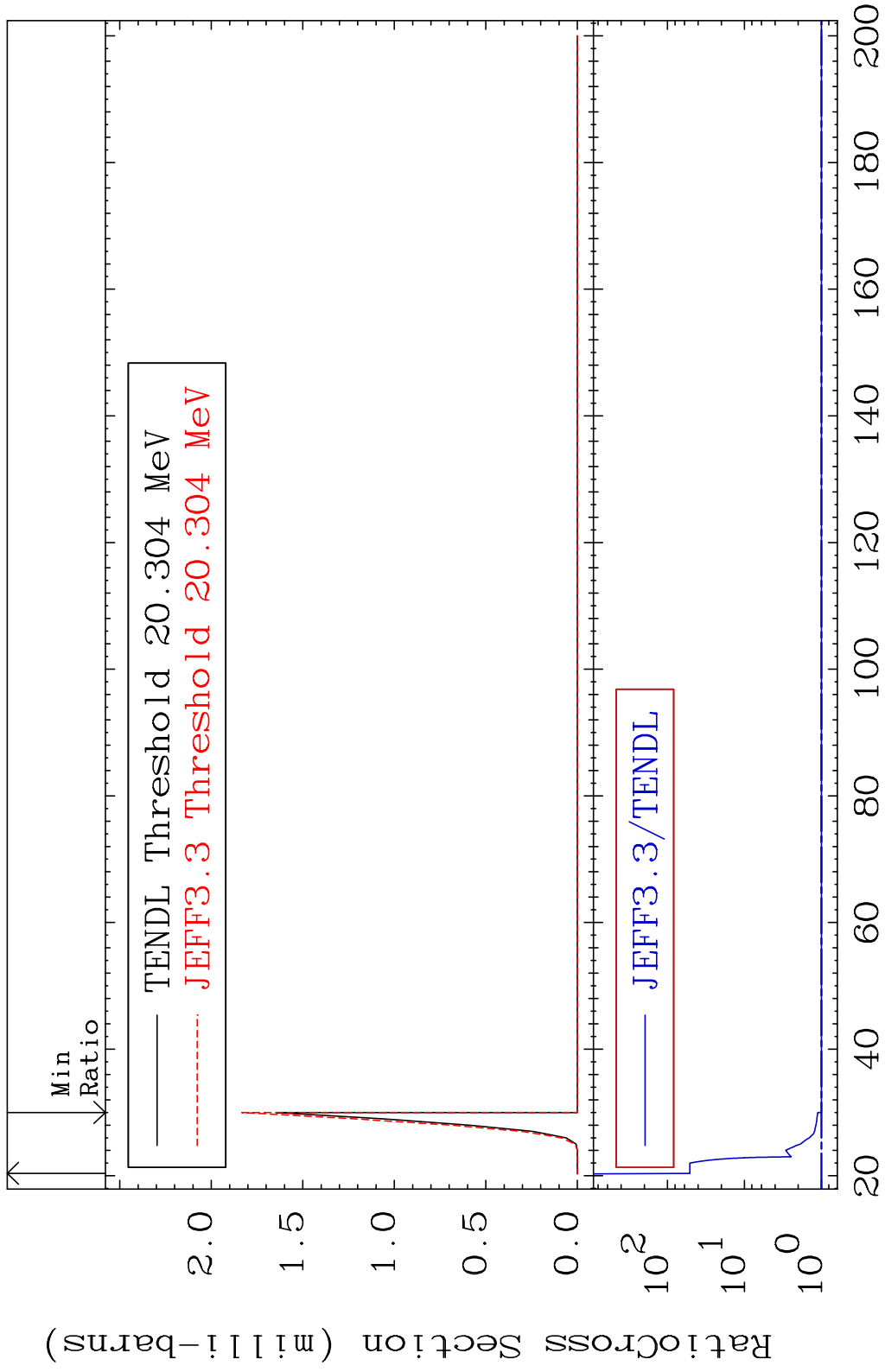
MAT 3834 (n, n')  $\alpha$ :36-Kr-83m2 38-Sr-87  
 Radionuclide Production Cross Section Ratio





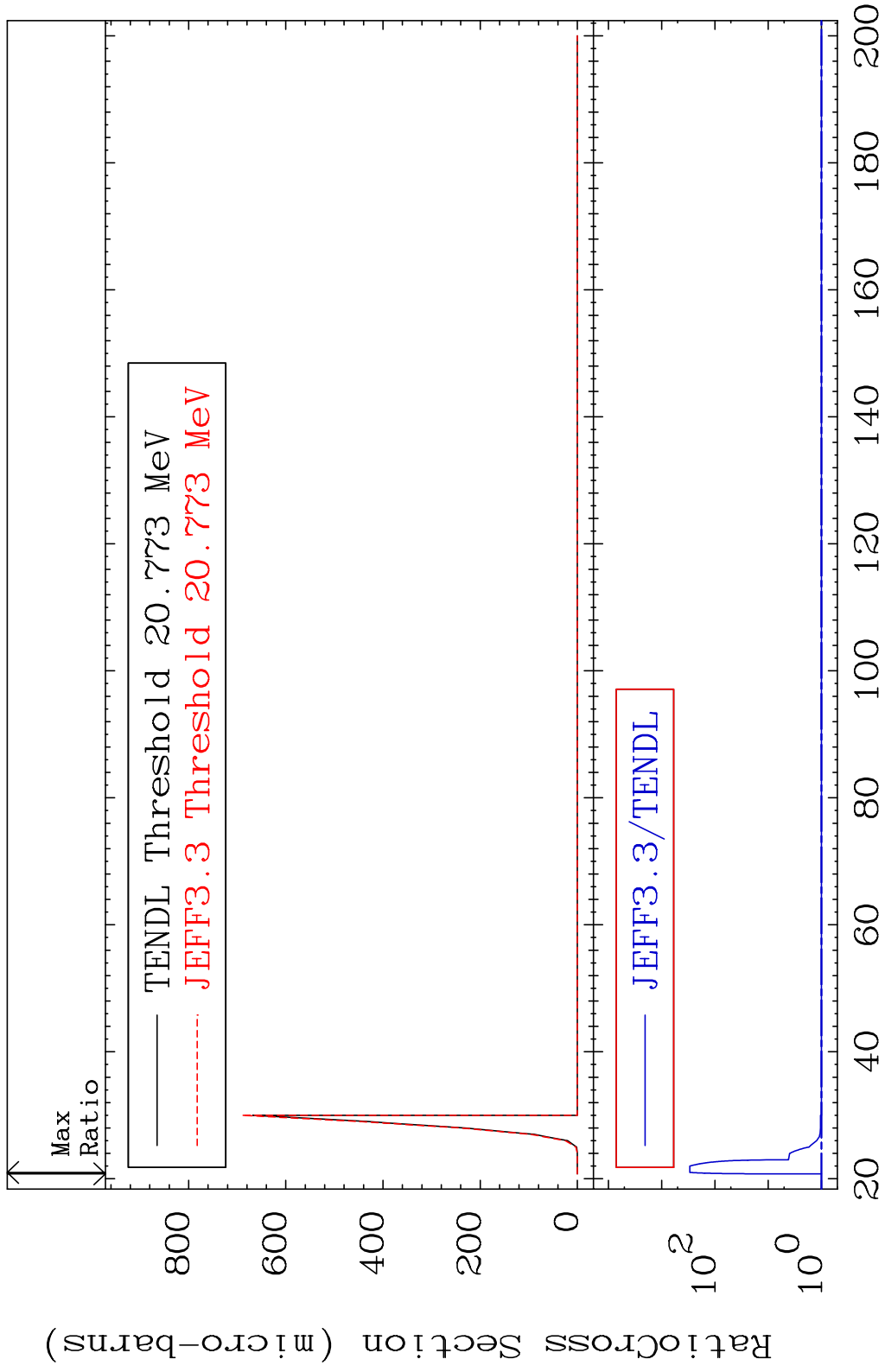


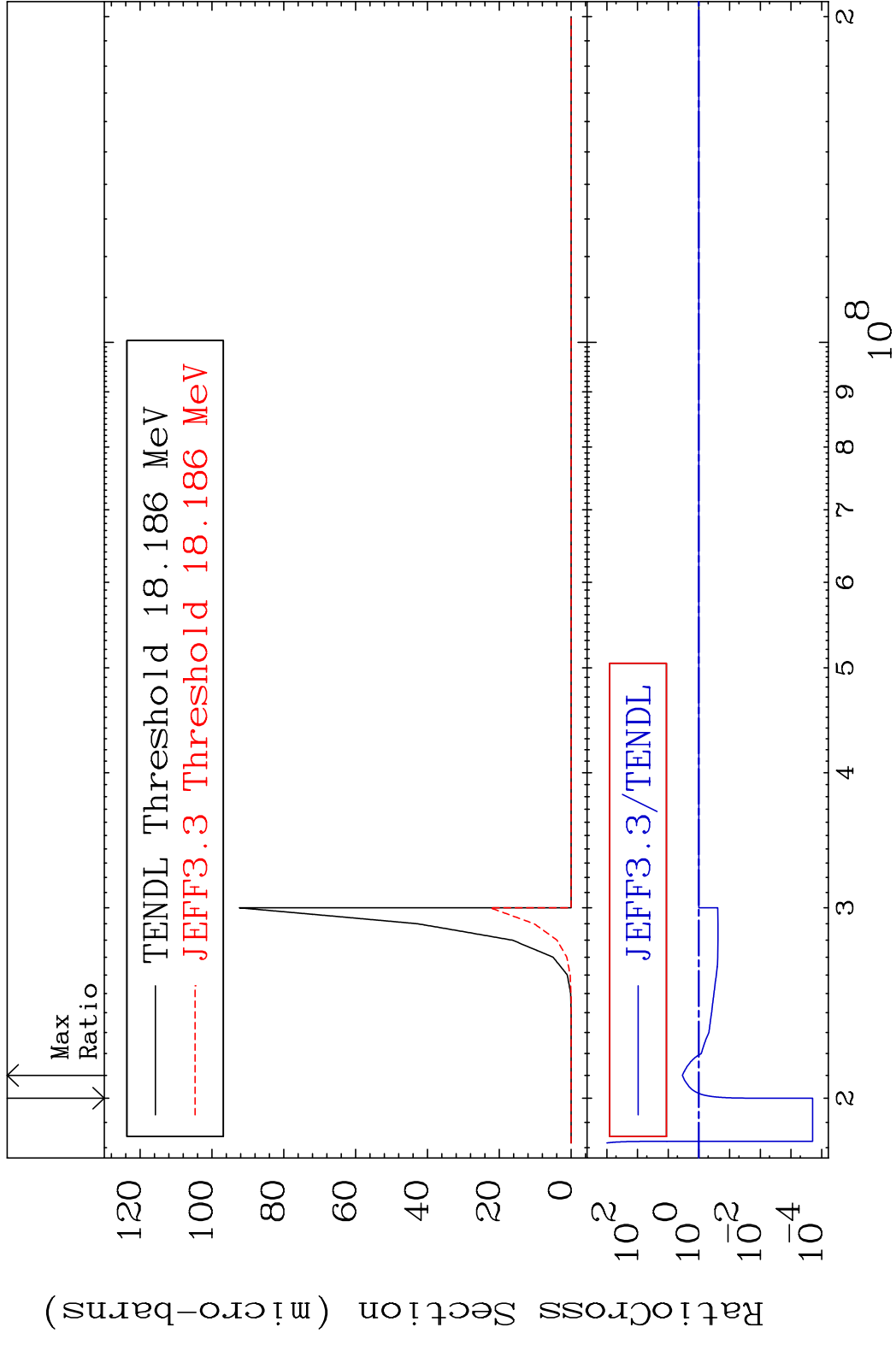
MAT 3834 (n, n') t:37-Rb-84g 38-Sr-87  
 Radionuclide Production Cross Section 5035. %

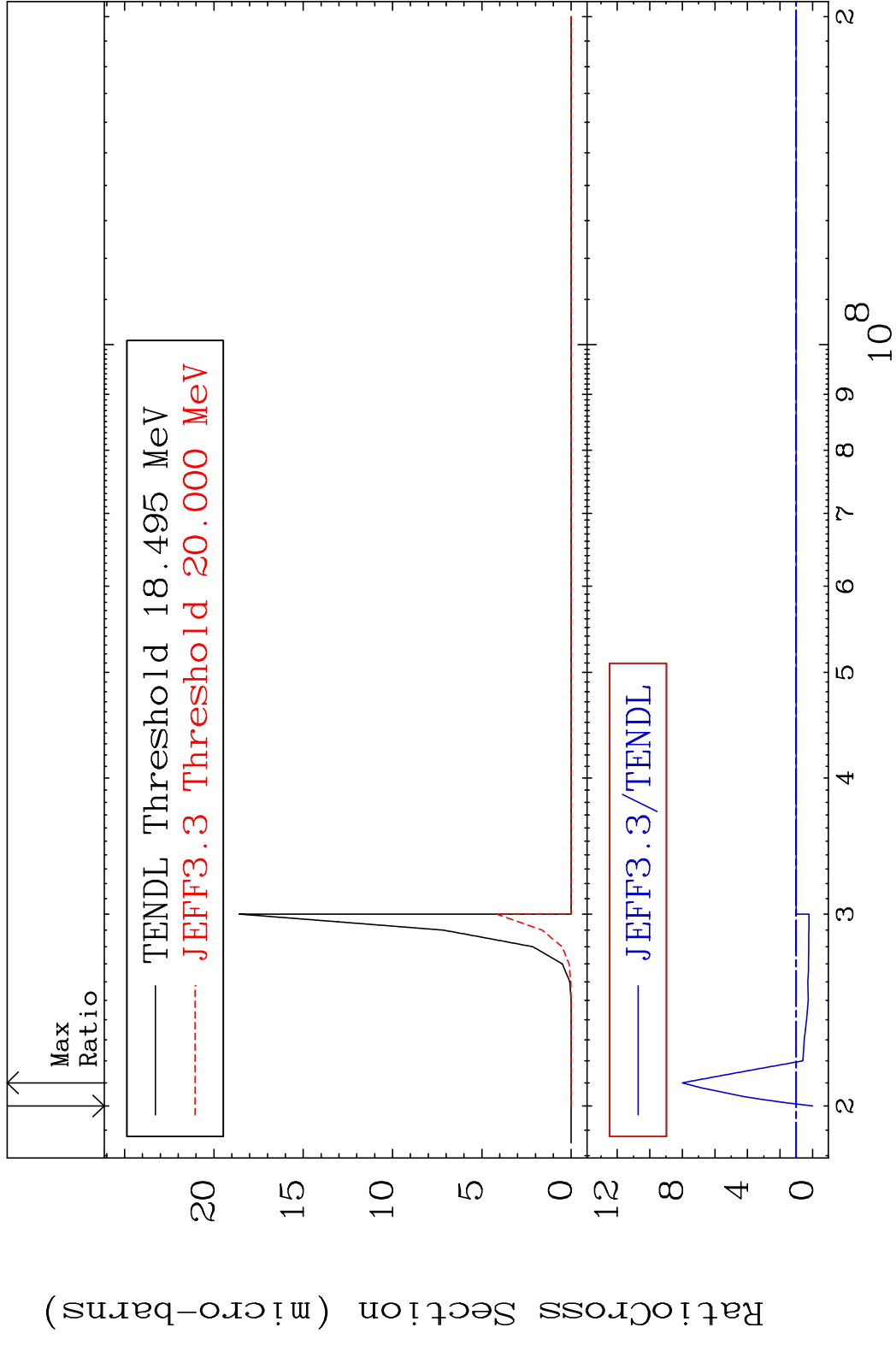


87 Incident Energy (MeV) 38-Sr-87

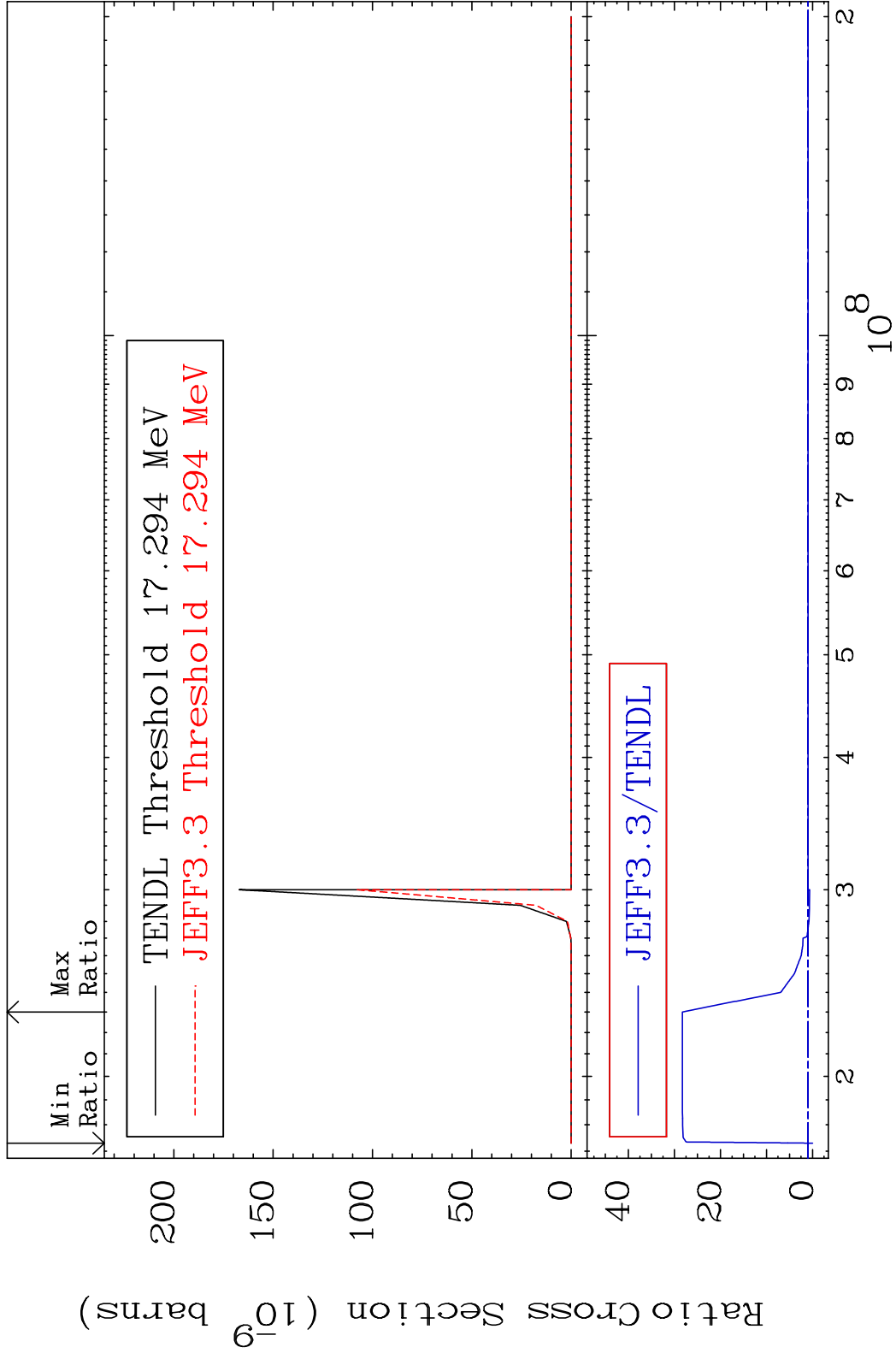


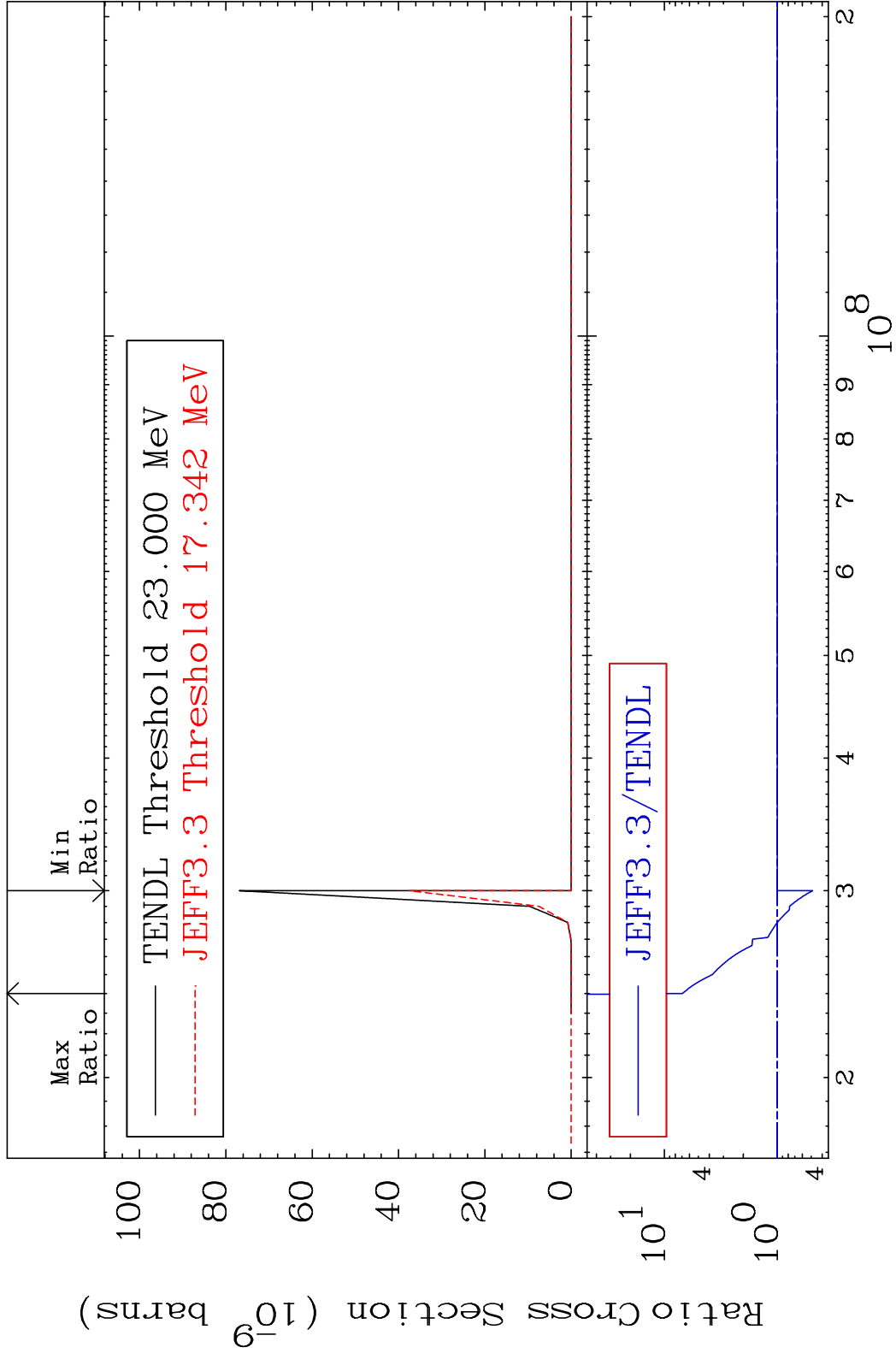




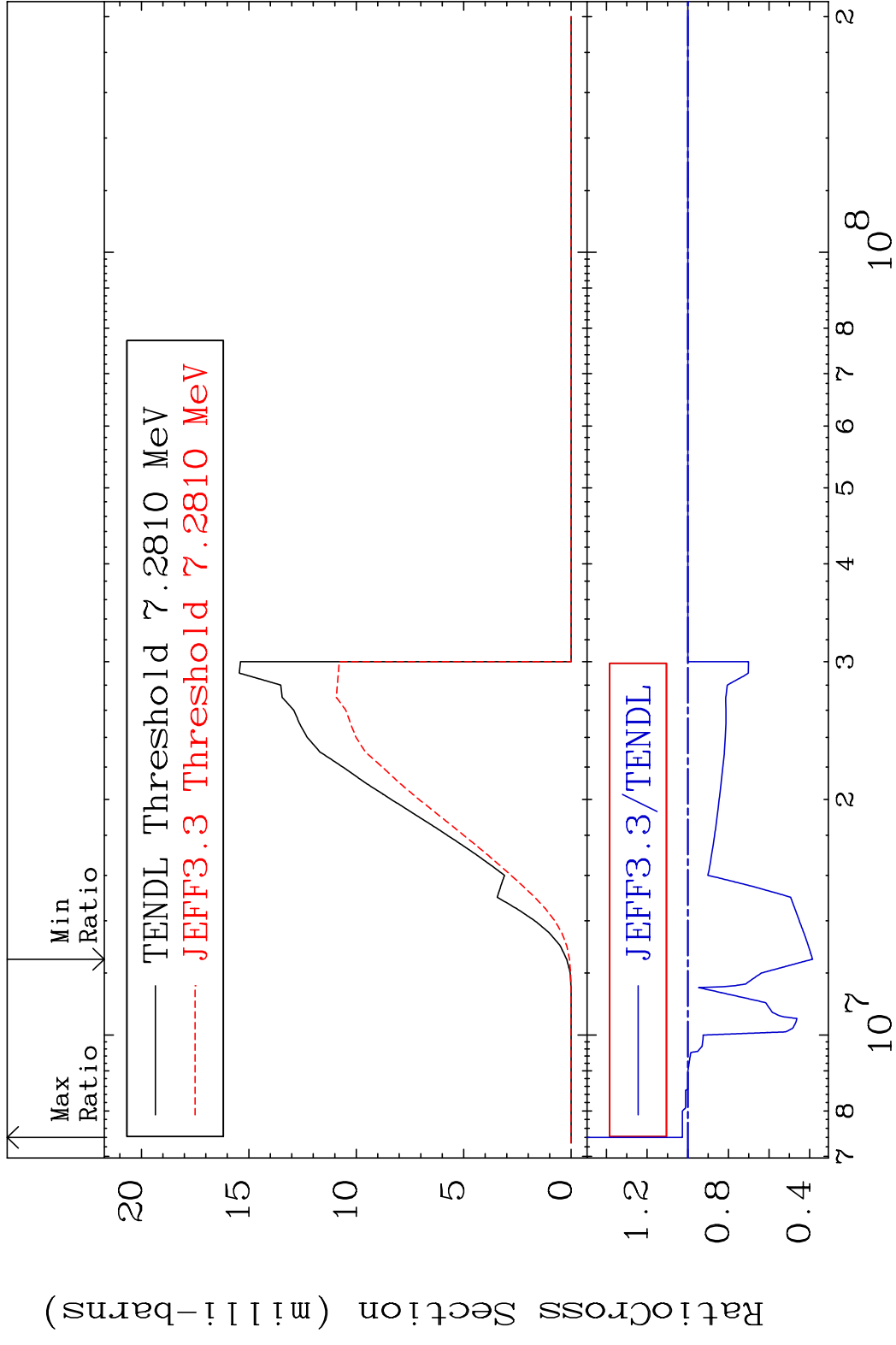


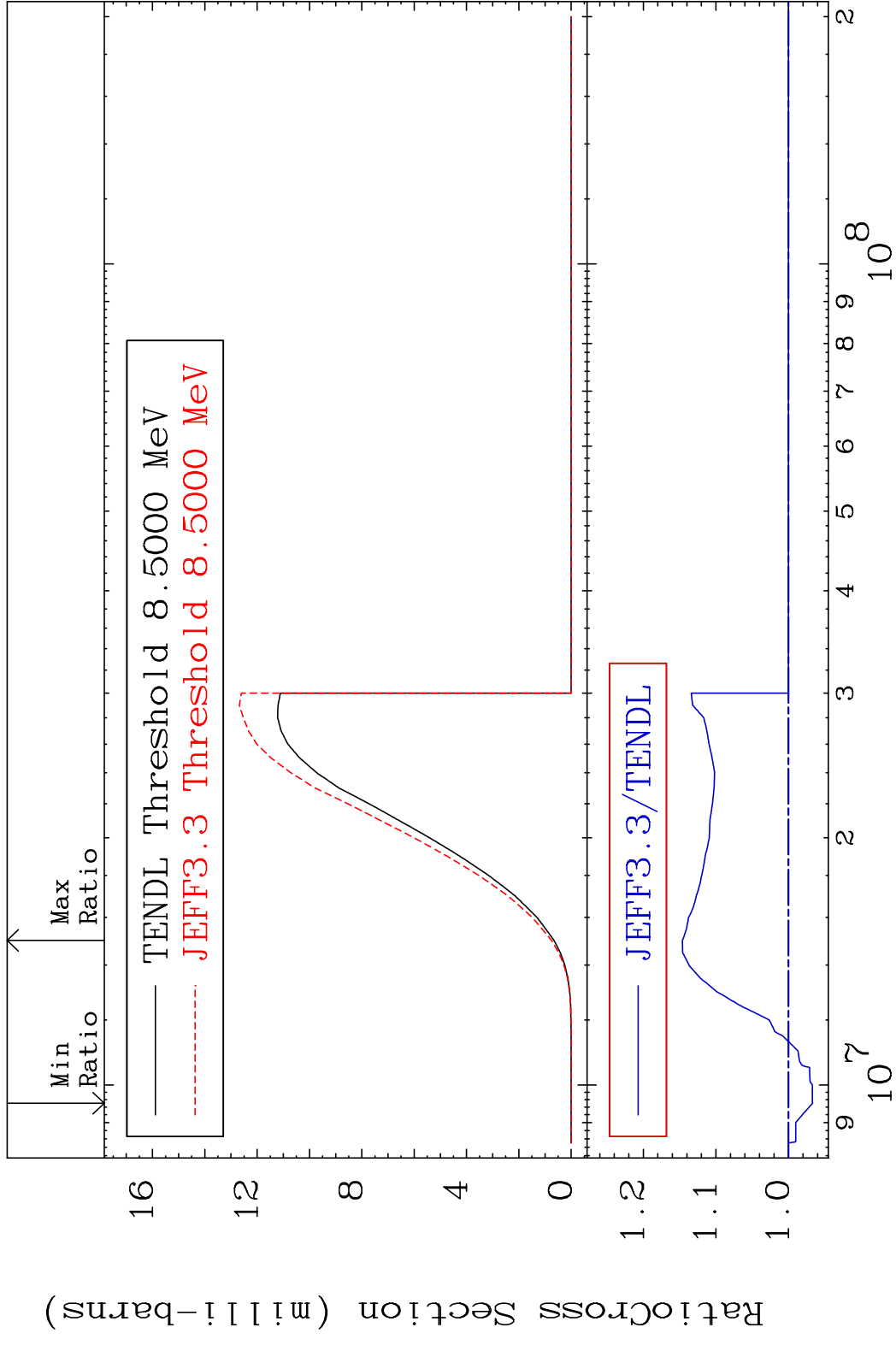
MAT 3834 (n, n') p  $\alpha$ :35-Br-82g 38-Sr-87  
 Radionuclide Production Cross Section Ratio 2728. %



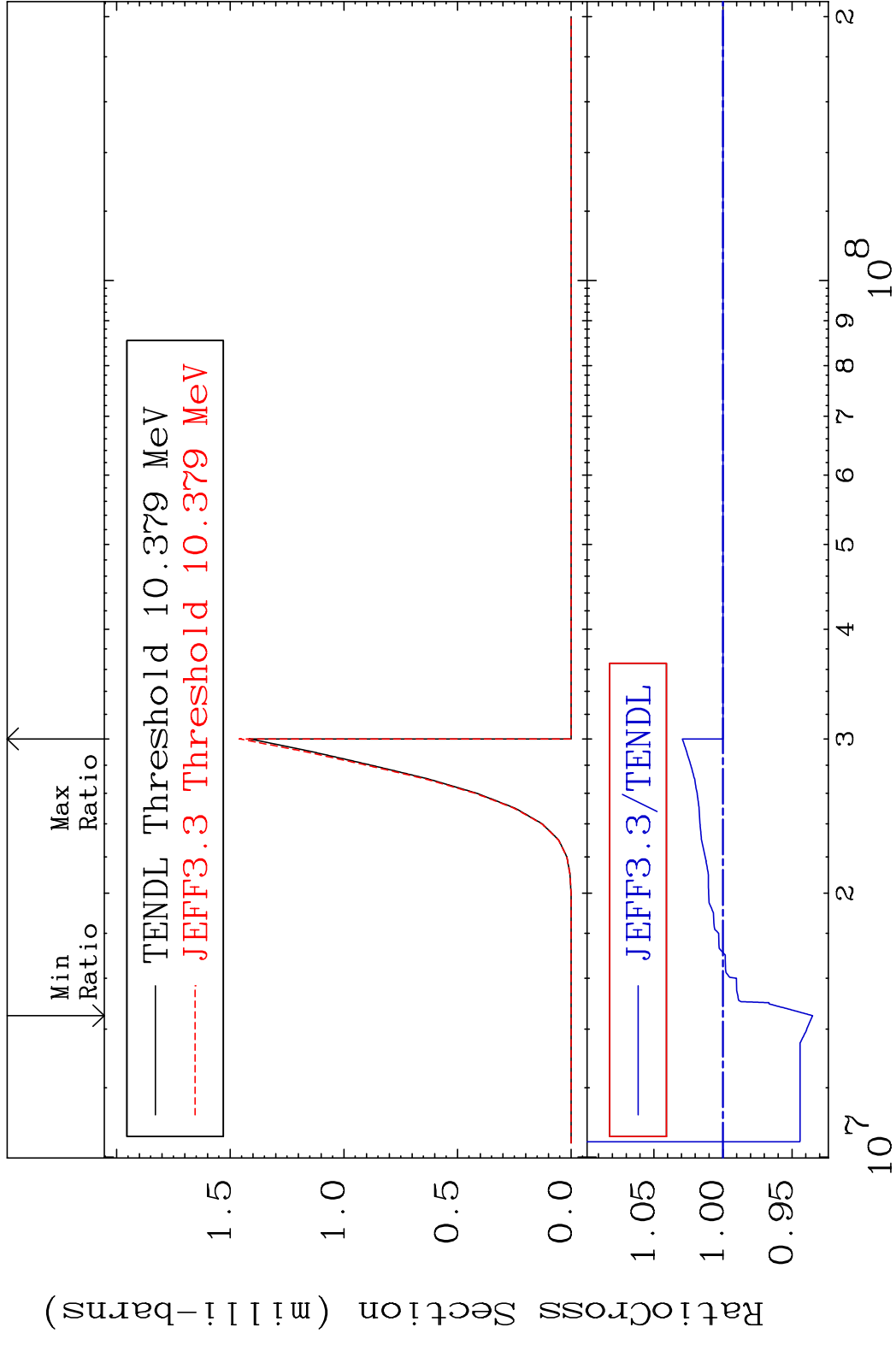


MAT 3834 (n, d): 37-Rb-86g 38-Sr-87  
 Radionuclide Production Cross Section 684310 2.668 %





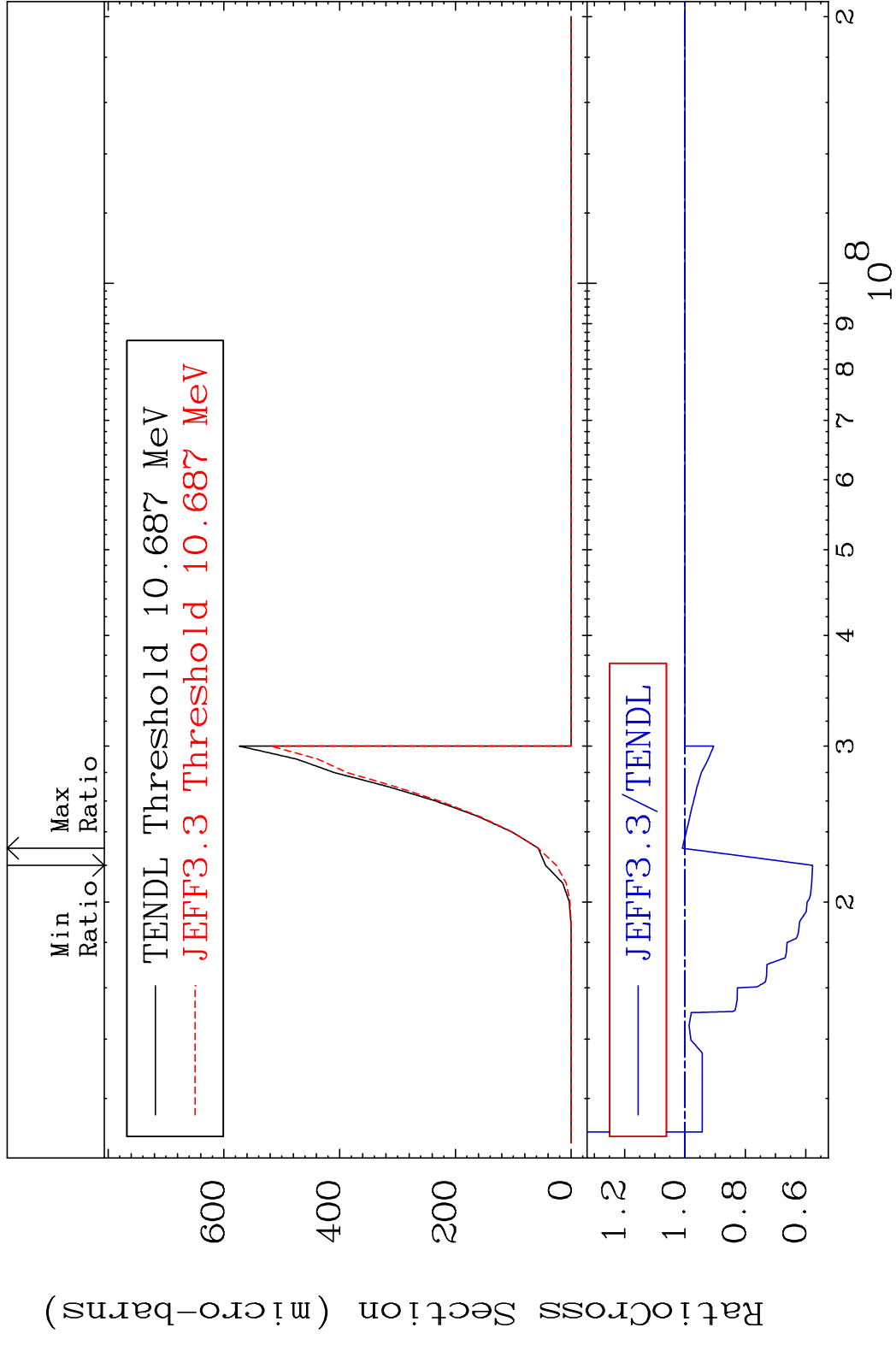
MAT 3834 (n, He-3):36-Kr-85g 38-Sr-87  
 Radionuclide Production Cross Section (eV) to 2.935 %

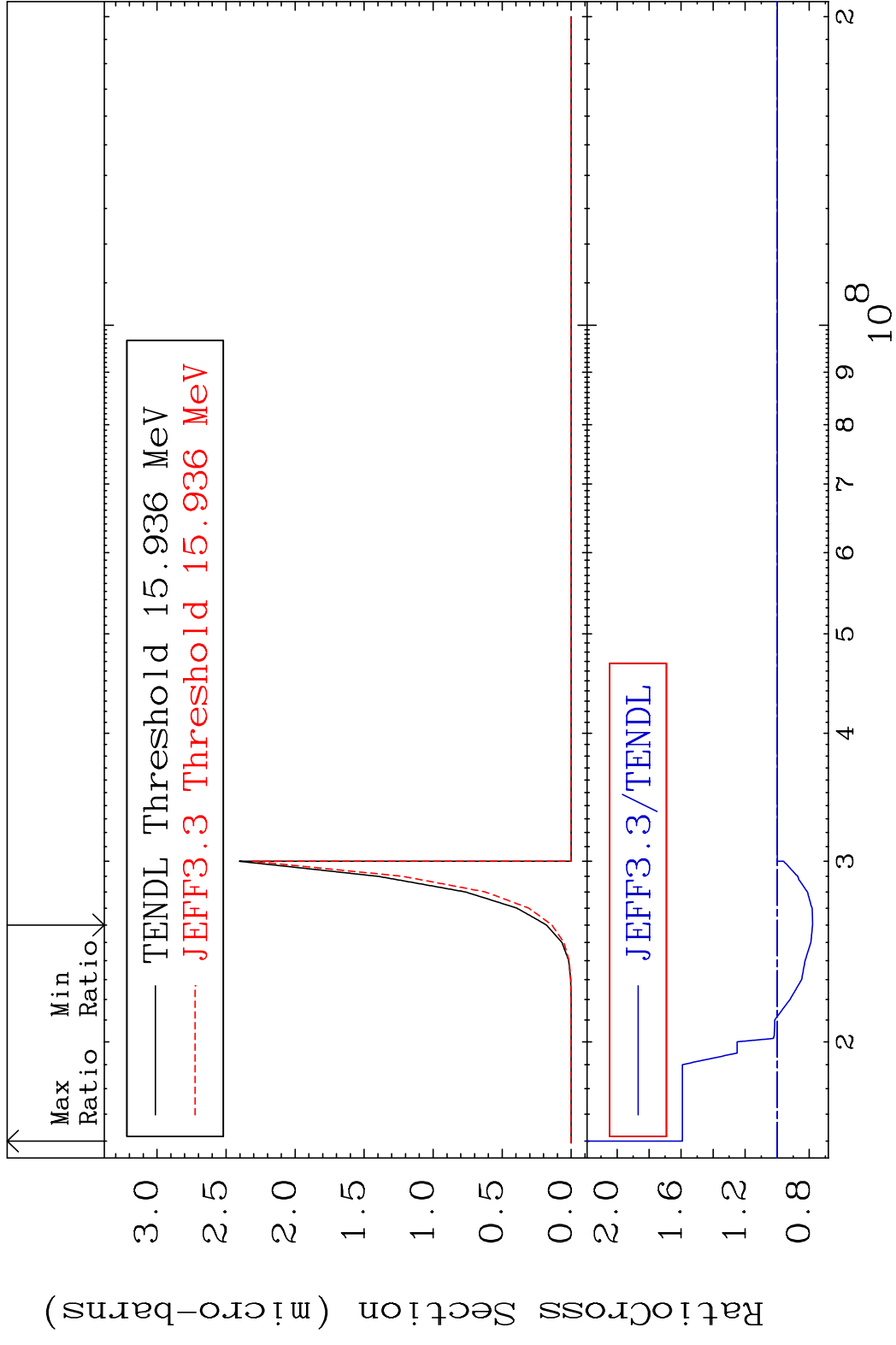


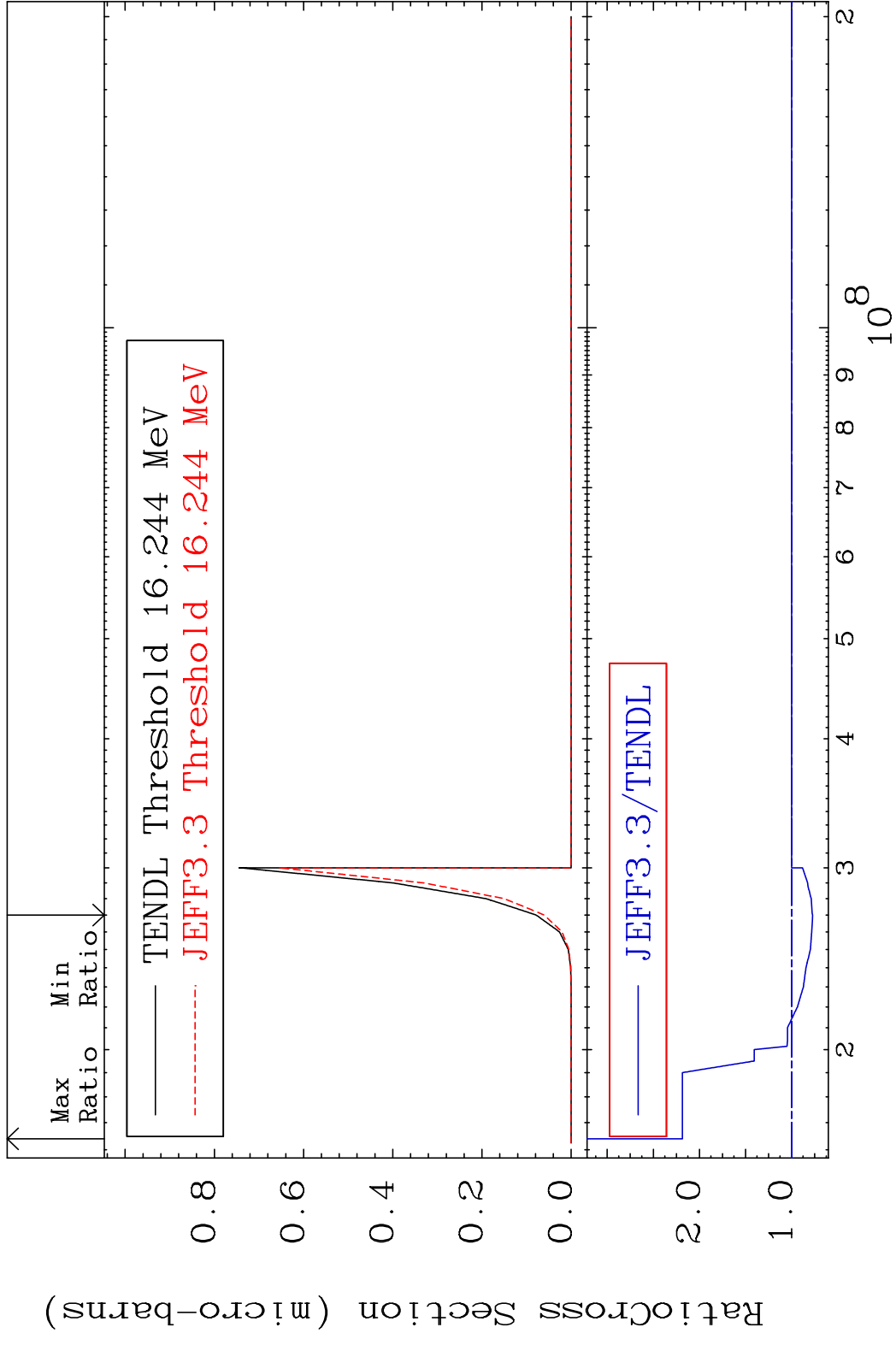
95 Incident Energy (eV) 38-Sr-87

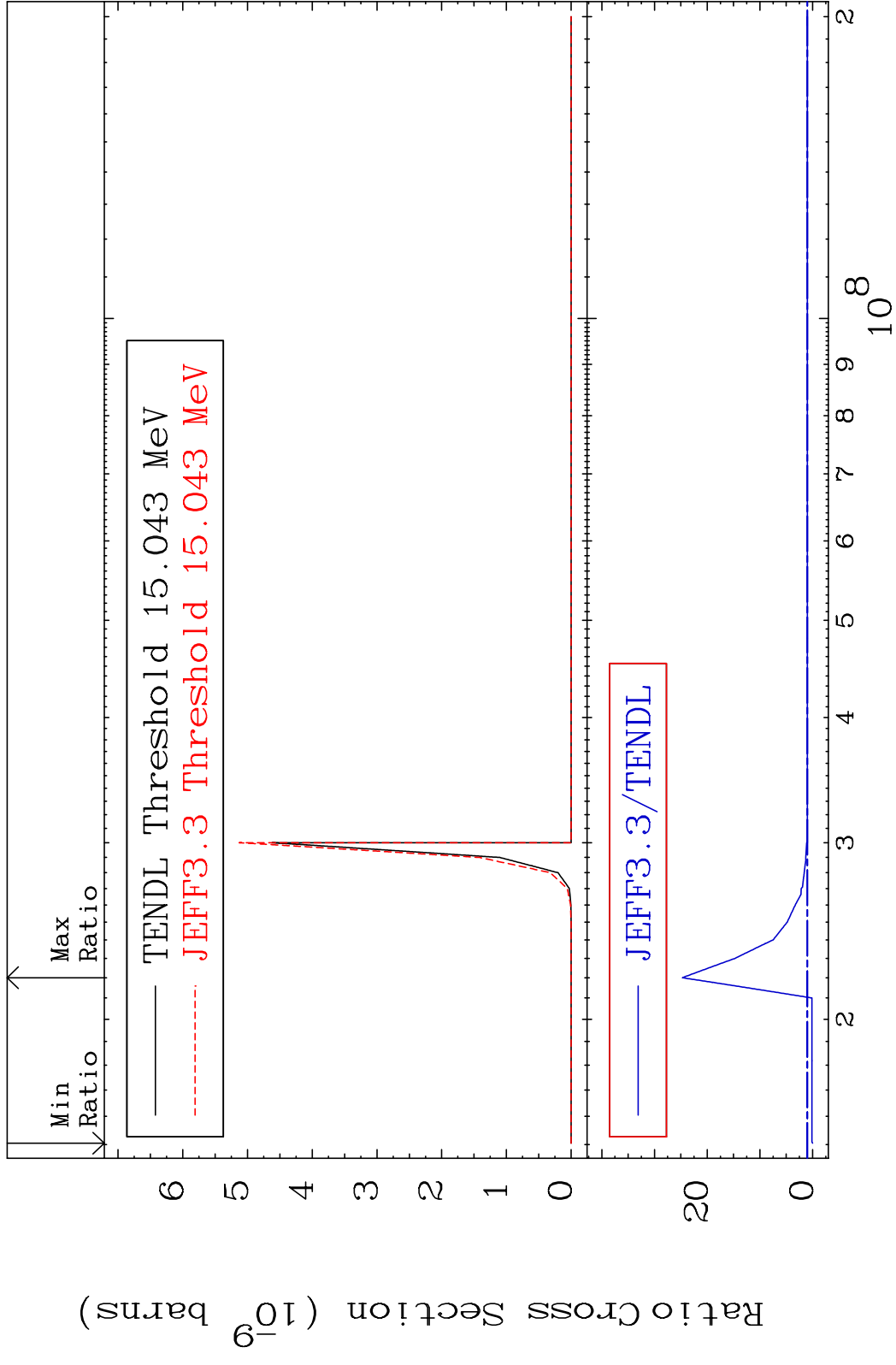


MAT 3834 (n, He-3) : 36-Kr-85m1 38-Sr-87  
 Radionuclide Production Cross Section Ratio 0.856 %

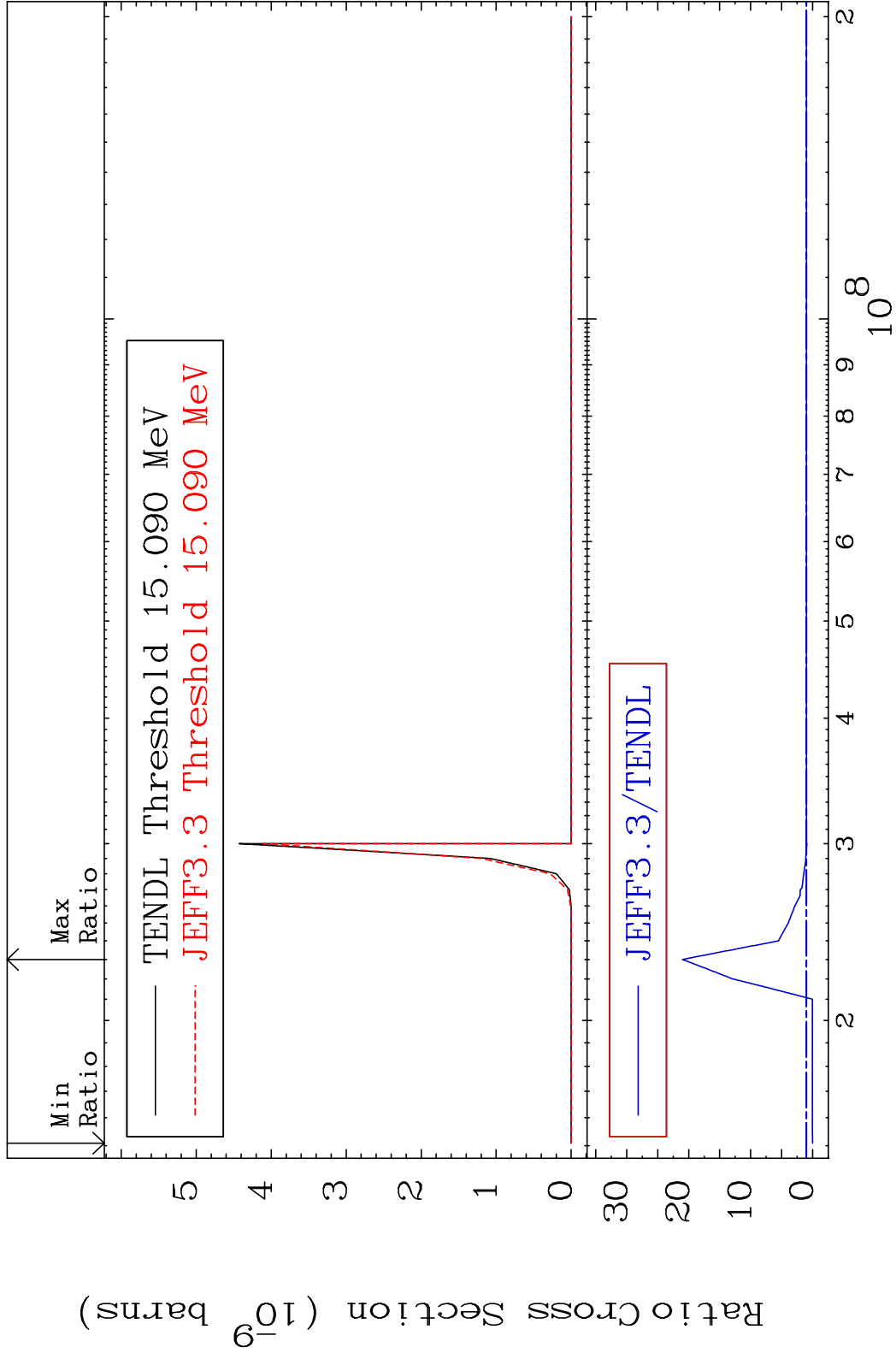








MAT 3834 (n, d)  $\alpha$ :35-Br-82m1 38-Sr-87  
 Radionuclide Production Cross Section 2002. %



100 Incident Energy (eV) 38-Sr-87