

Program Complot  
(Version 2021-1)

by

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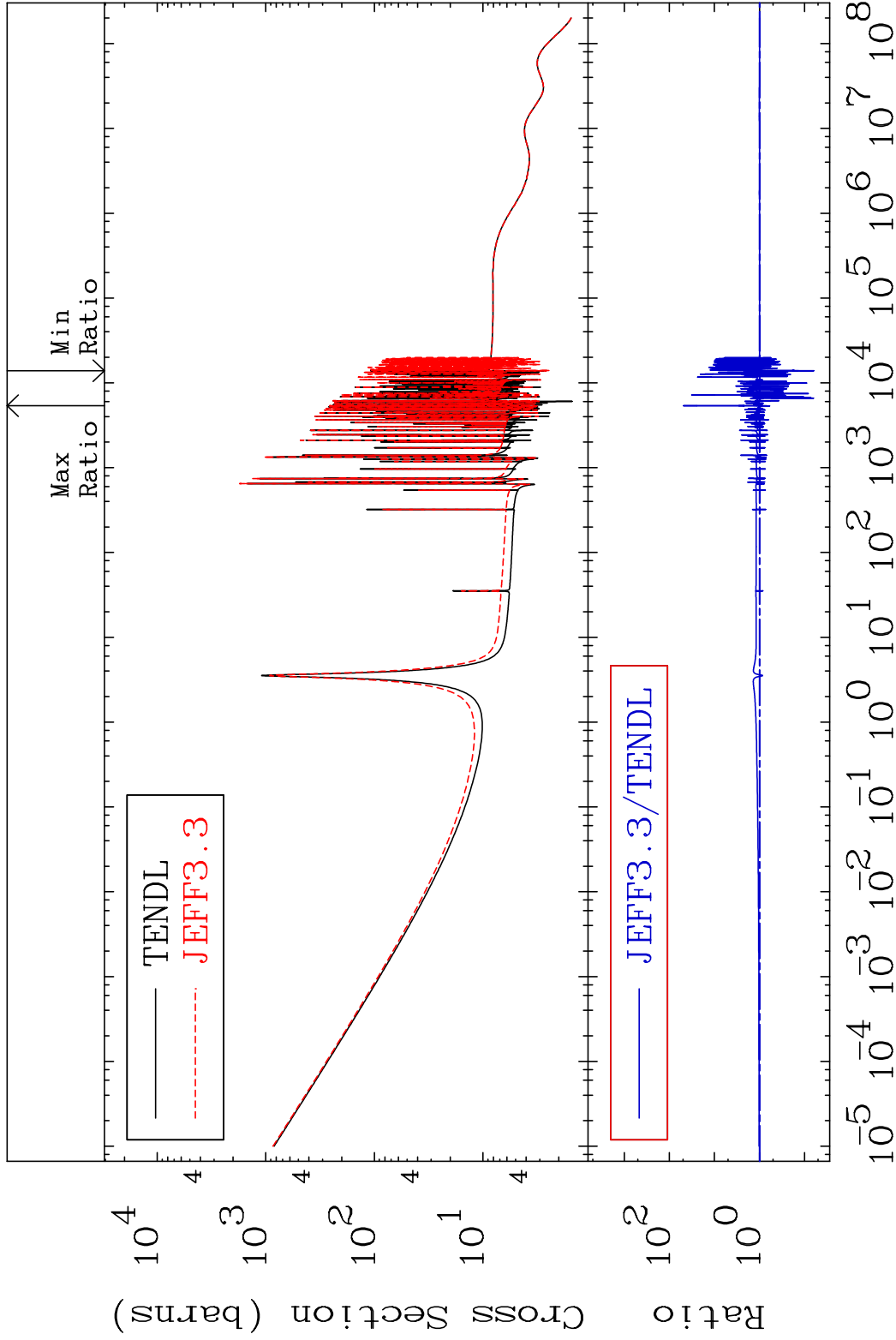
Press Mouse Button to Start

MAT 3834

Total

38-Sr-87

Cross Section -93.81 To 4772. %



1

Incident Energy (eV)

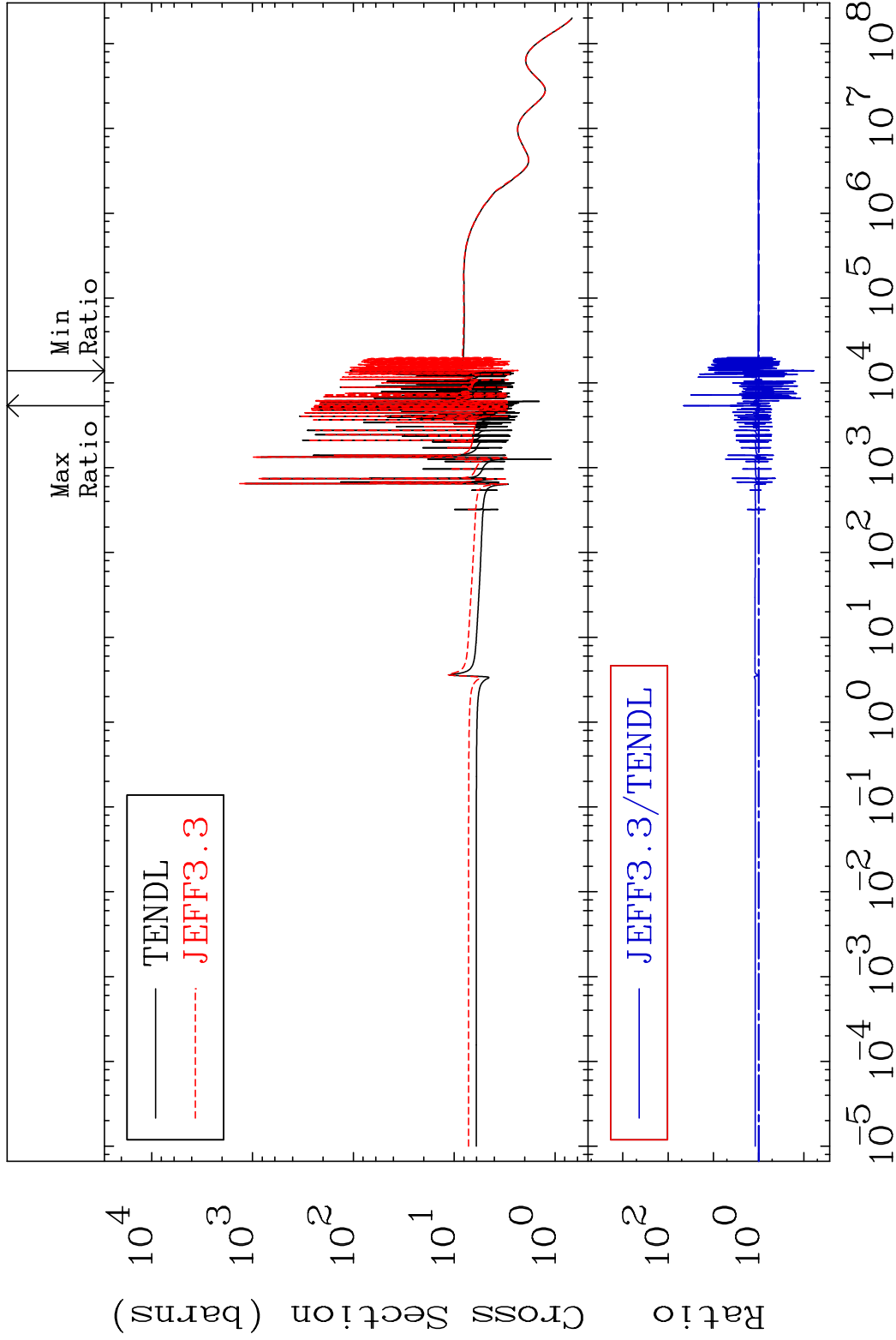
38-Sr-87

MAT 3834

Elastic

38-Sr-87

Cross Section -94.00 To 4473. %

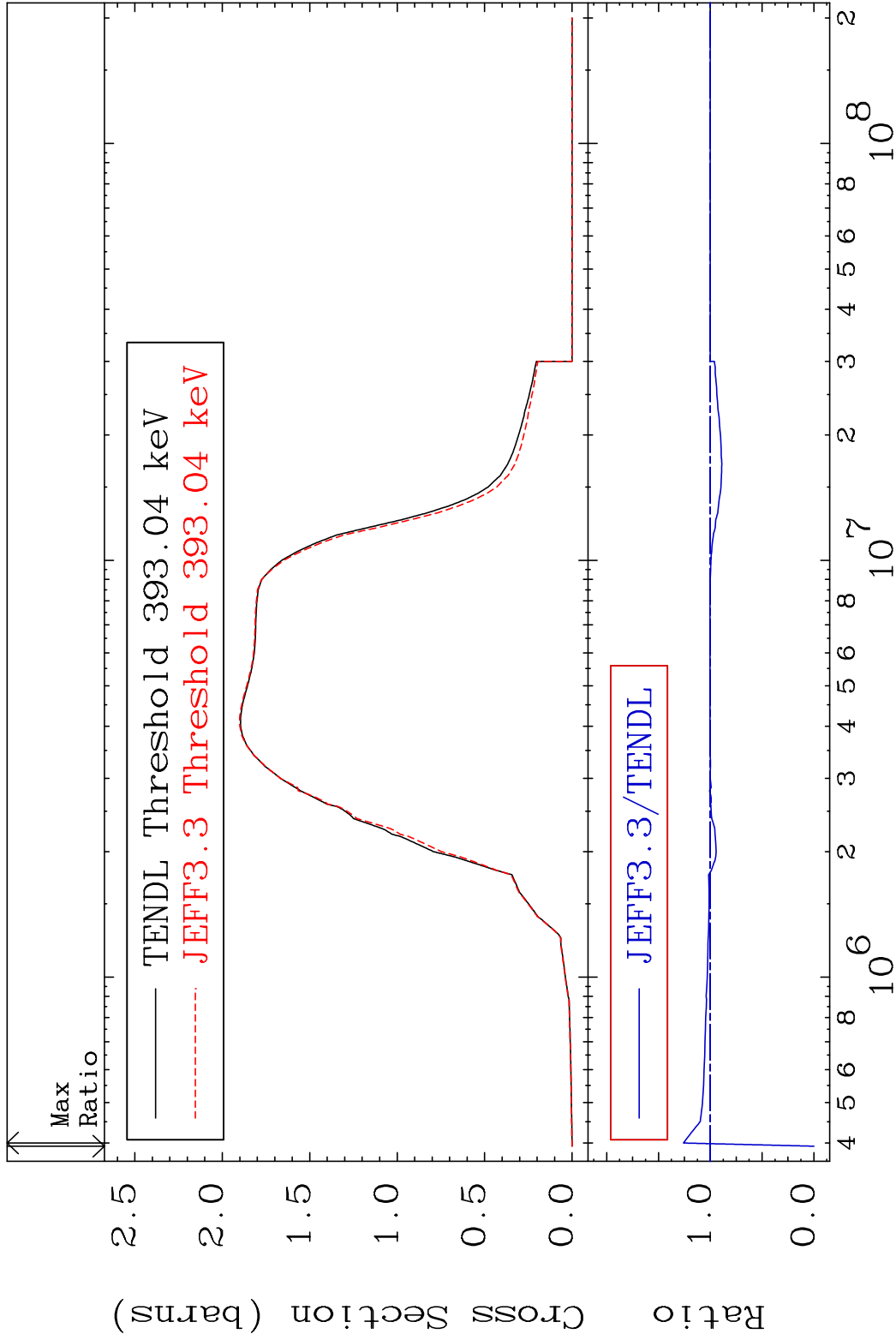


2

Incident Energy (eV)

38-Sr-87

MAT 3834 Inelastic Cross Section -100.0 To 25.90 % 38-Sr-87

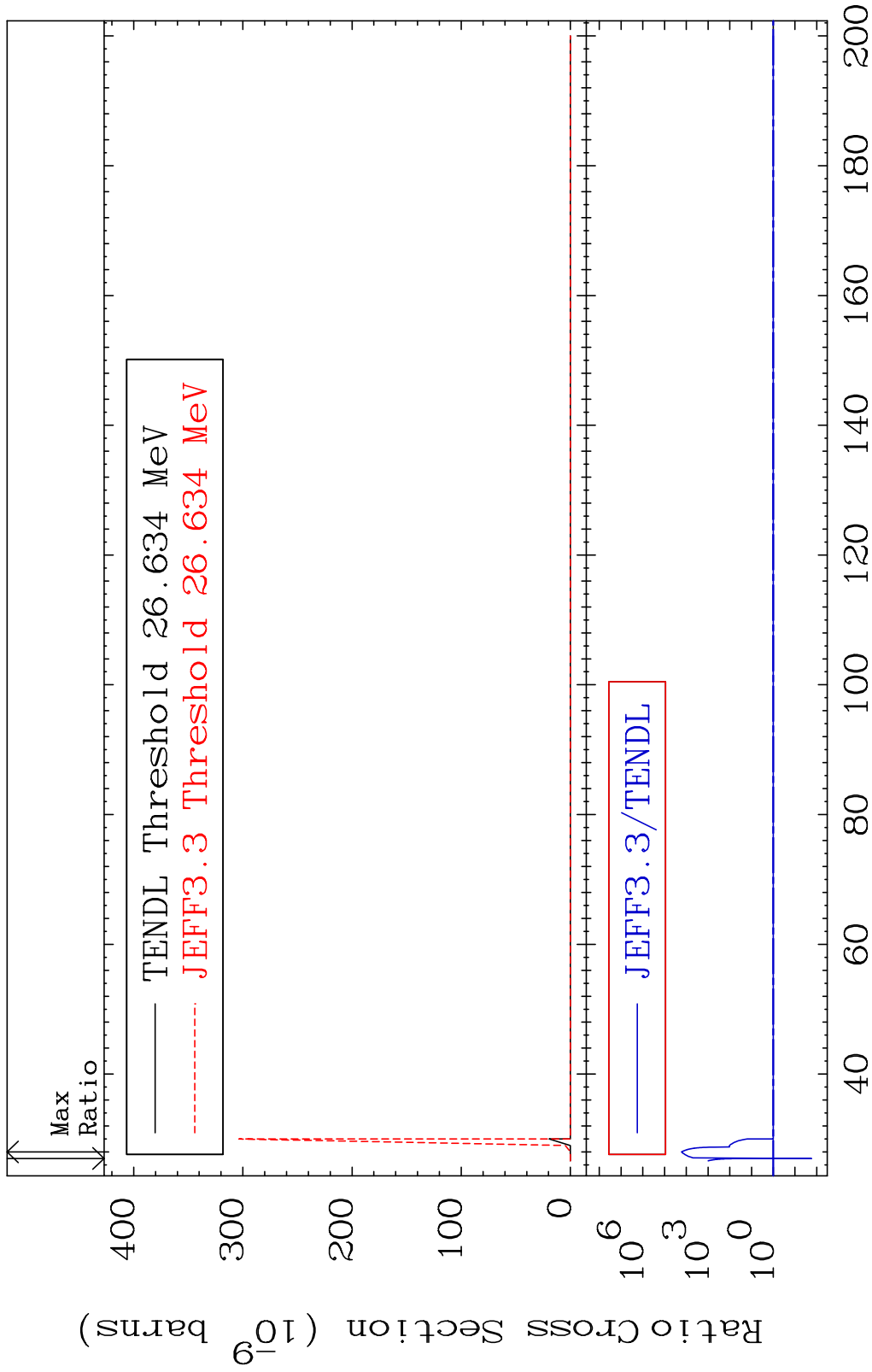


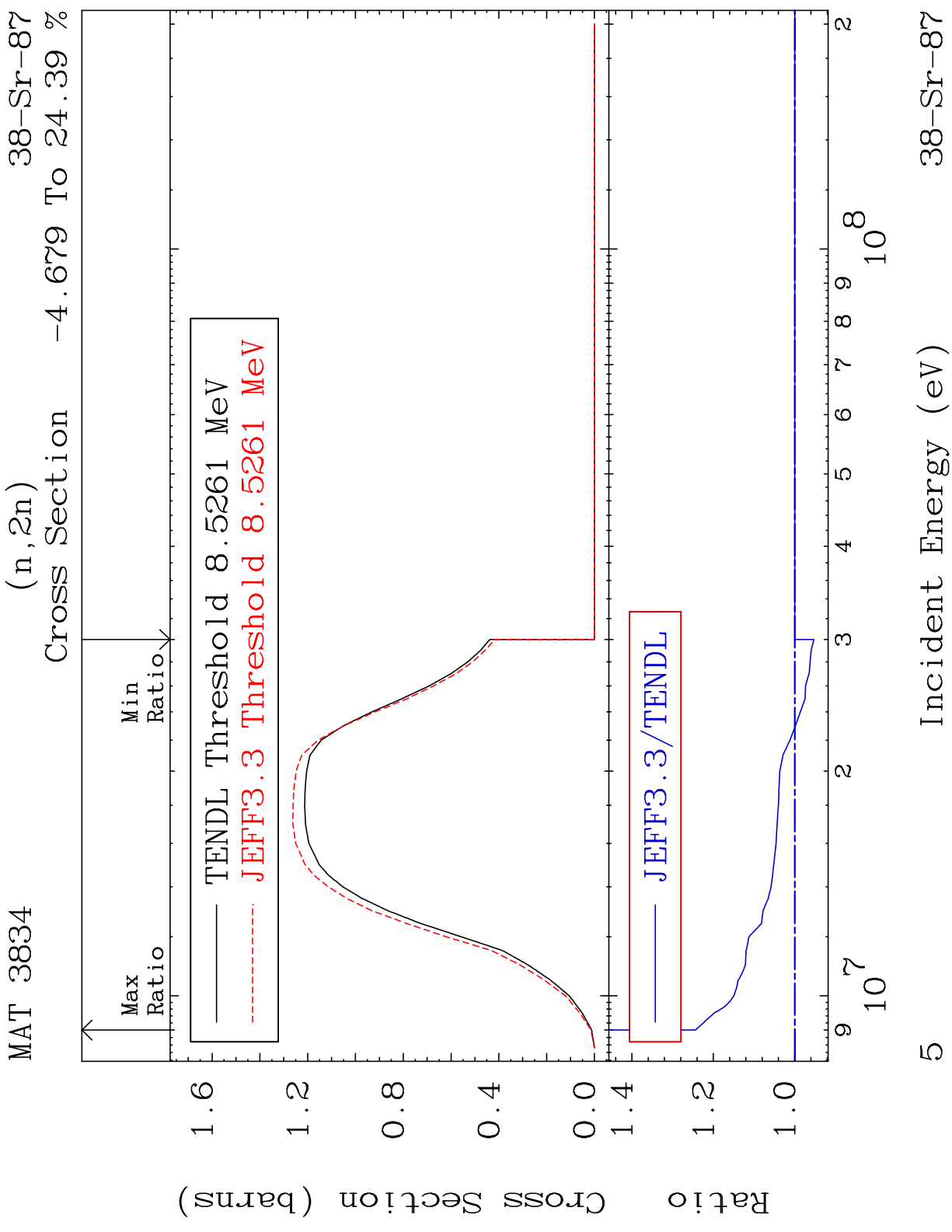
MAT 3834

(n, 2n) d

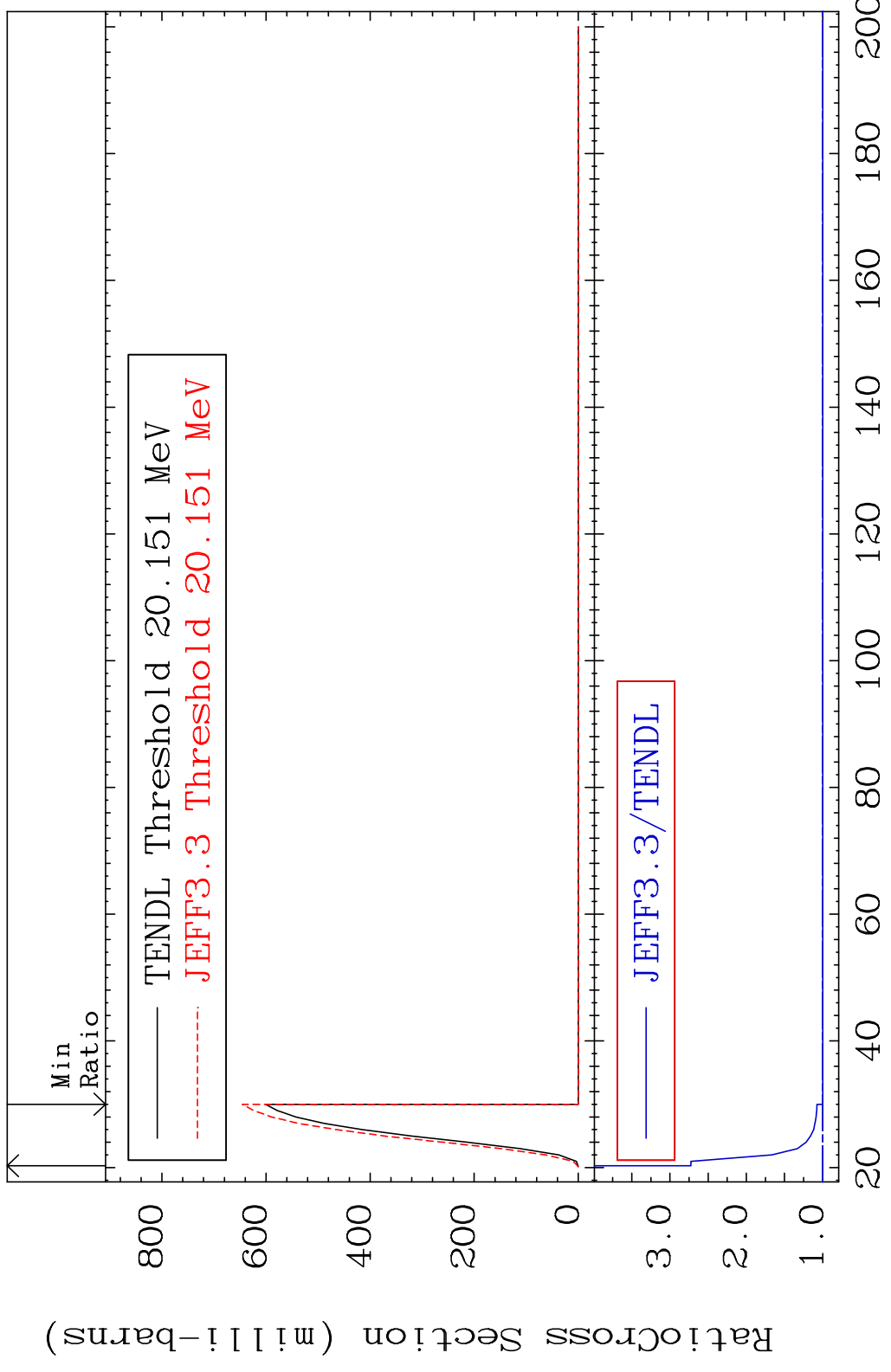
38-Sr-87

Cross Section -98.25 To 9999. %

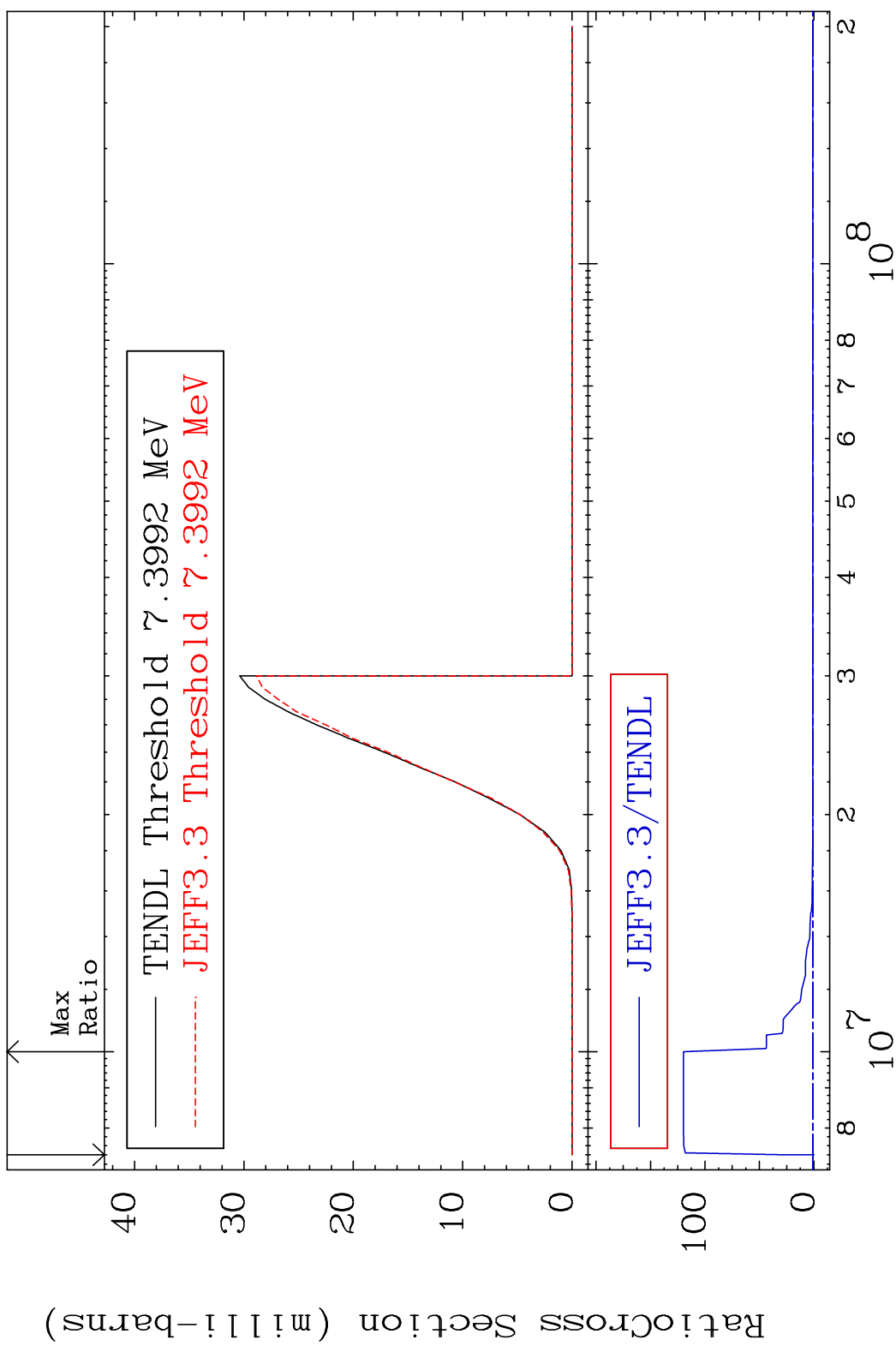




MAT 3834 (n,3n) 38-Sr-87  
Cross Section 0.000 To 172.6 %



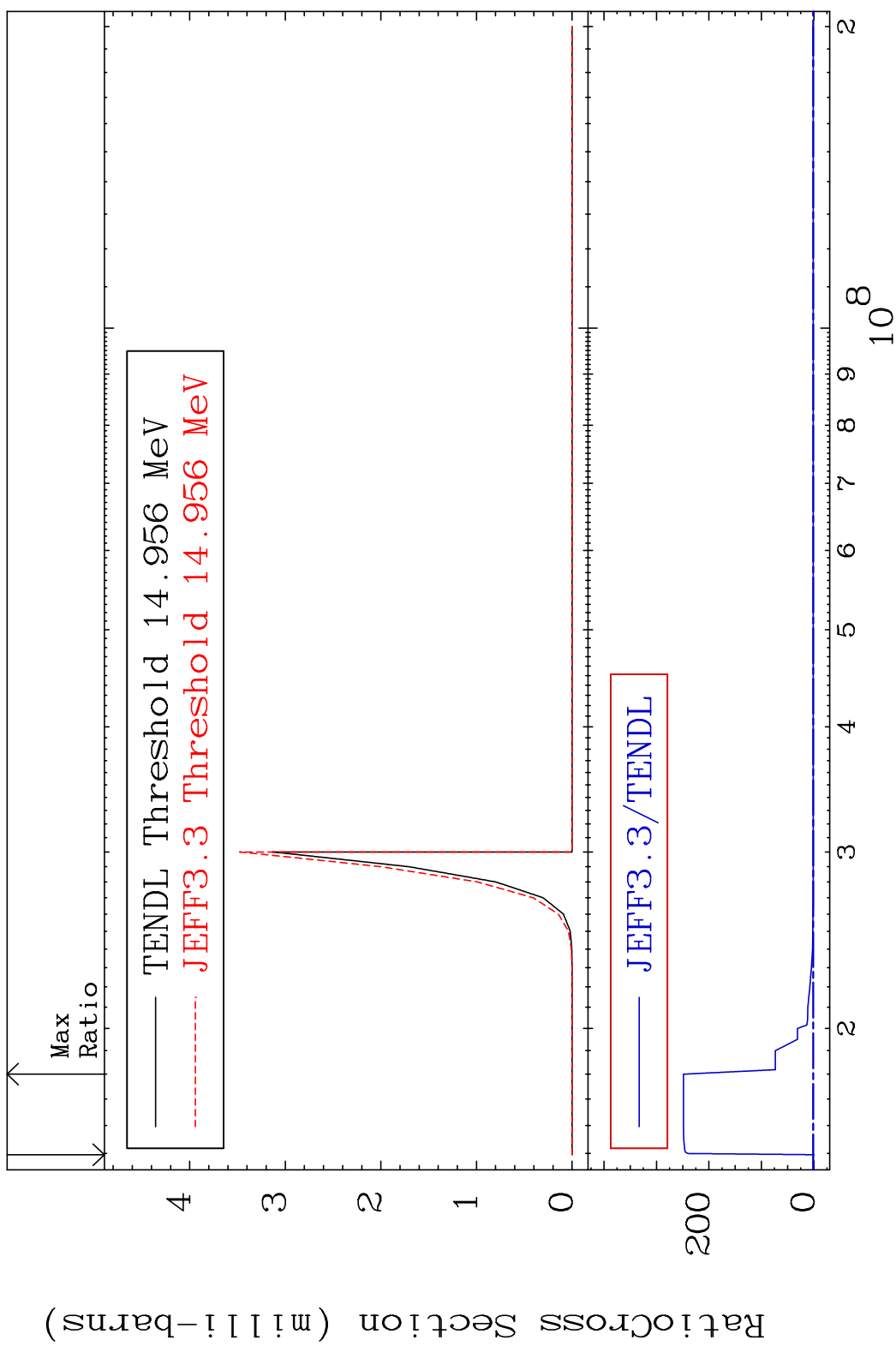
MAT 3834 (n, n')  $\alpha$  38-Sr-87  
 Cross Section -100.0 To 9999. %



7 Incident Energy (eV) 38-Sr-87

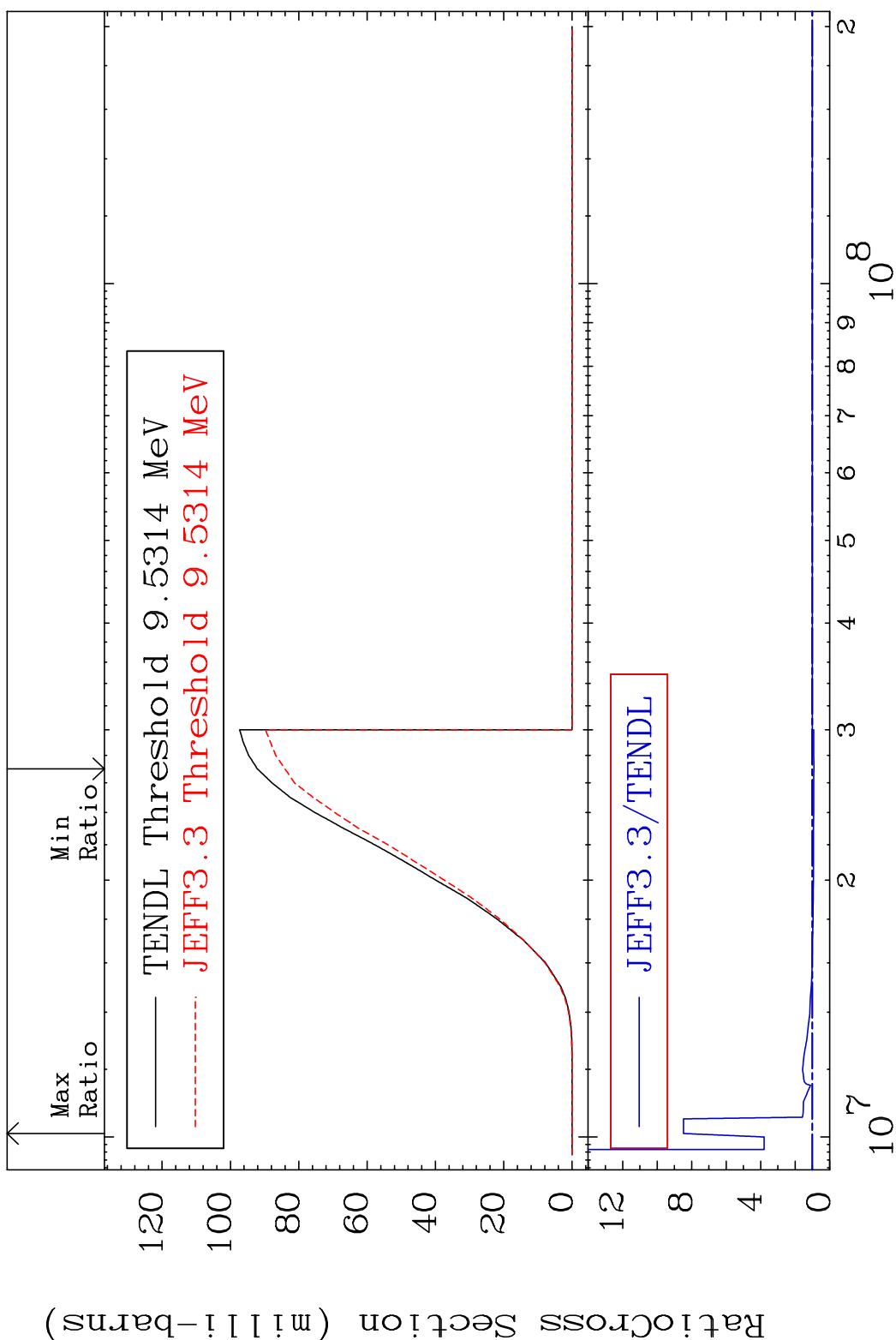


MAT 3834 (n,2n)  $\alpha$  38-Sr-87  
 Cross Section -100.0 To 9999. %



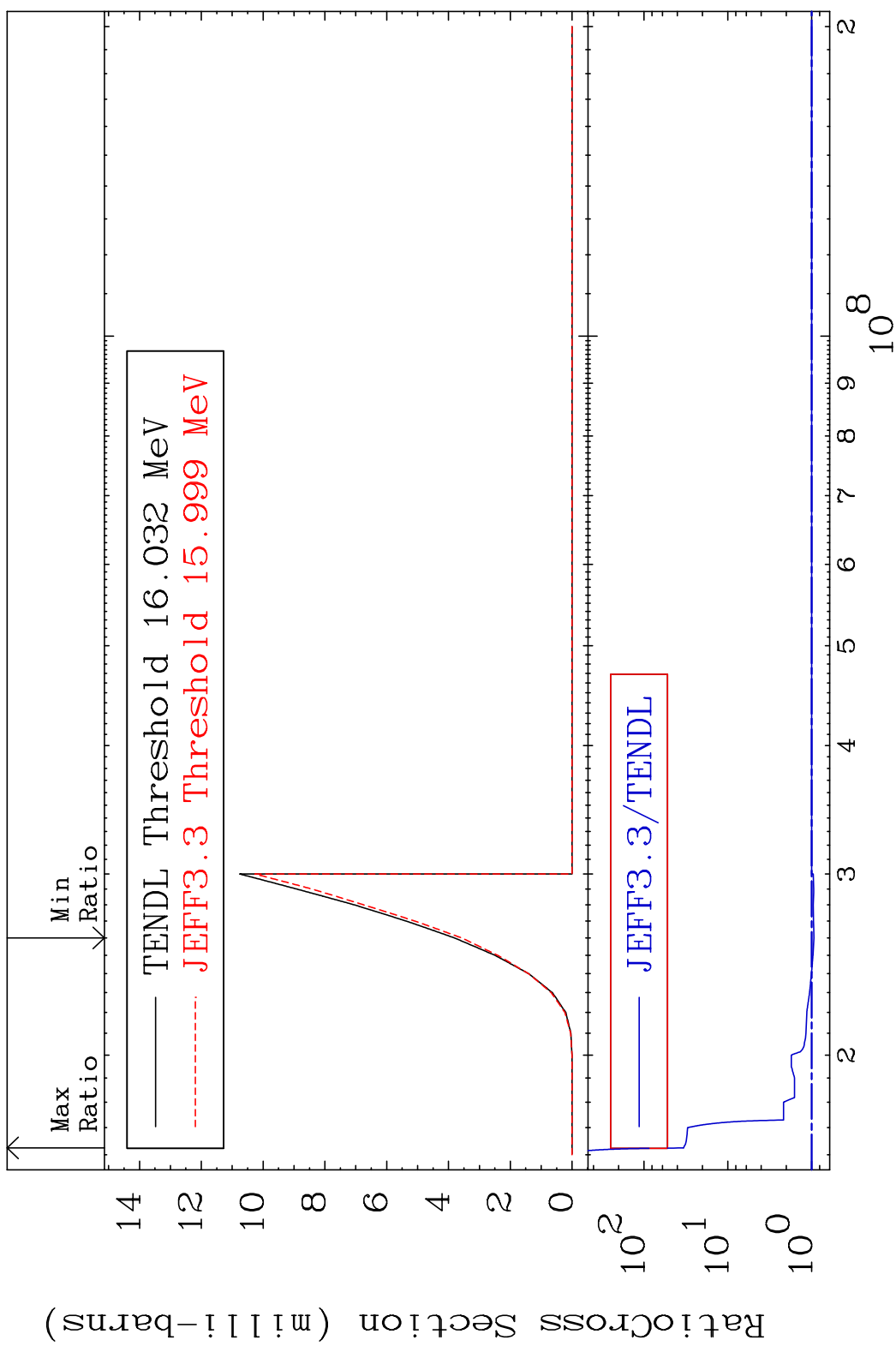
8 Incident Energy (eV) 38-Sr-87

MAT 3834 (n, n') p 38-Sr-87  
 Cross Section -8.794 To 747.5 %



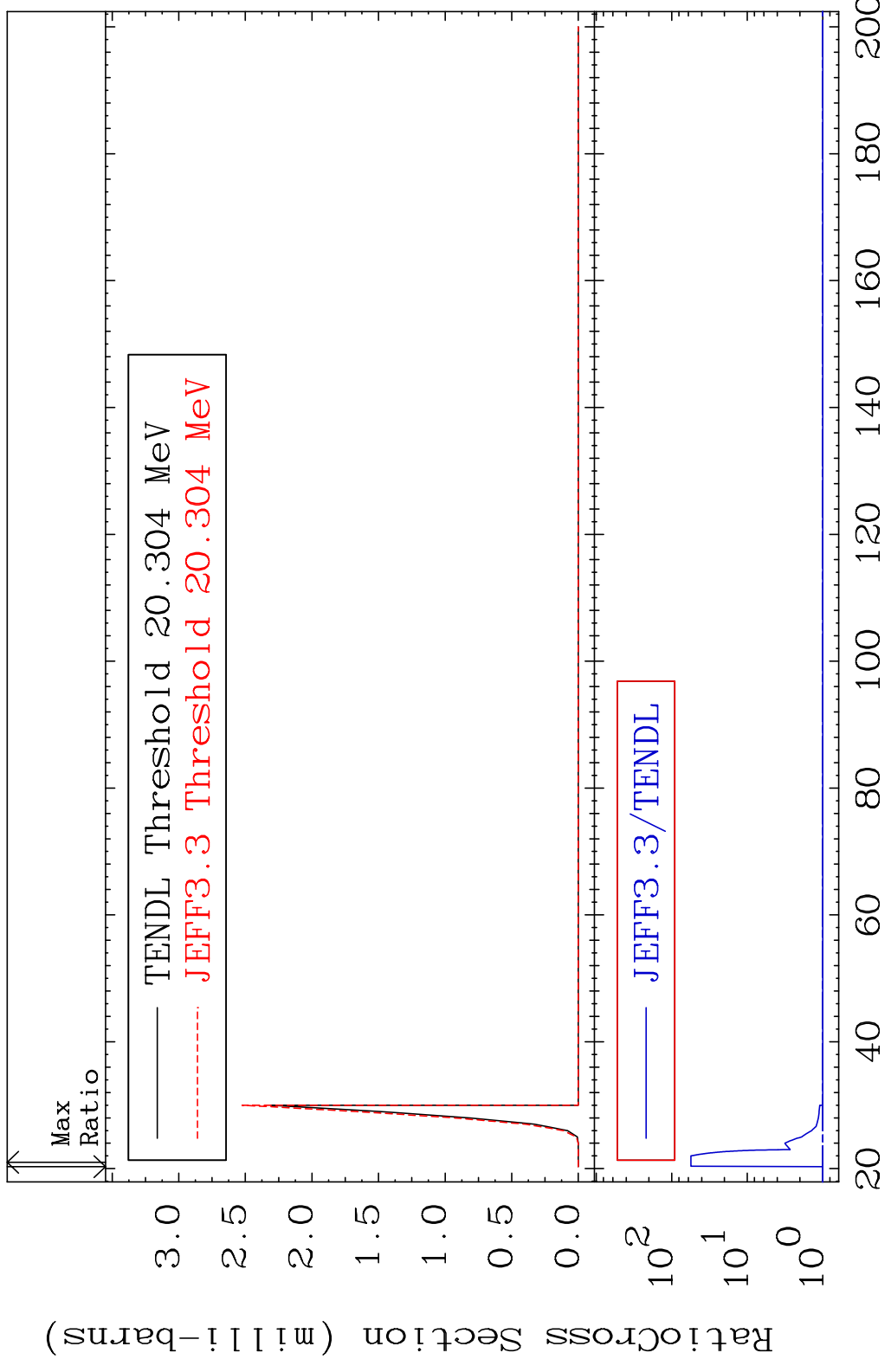
9 Incident Energy (eV) 38-Sr-87

MAT 3834 (n, n') d 38-Sr-87  
 Cross Section -6.076 To 3279. %

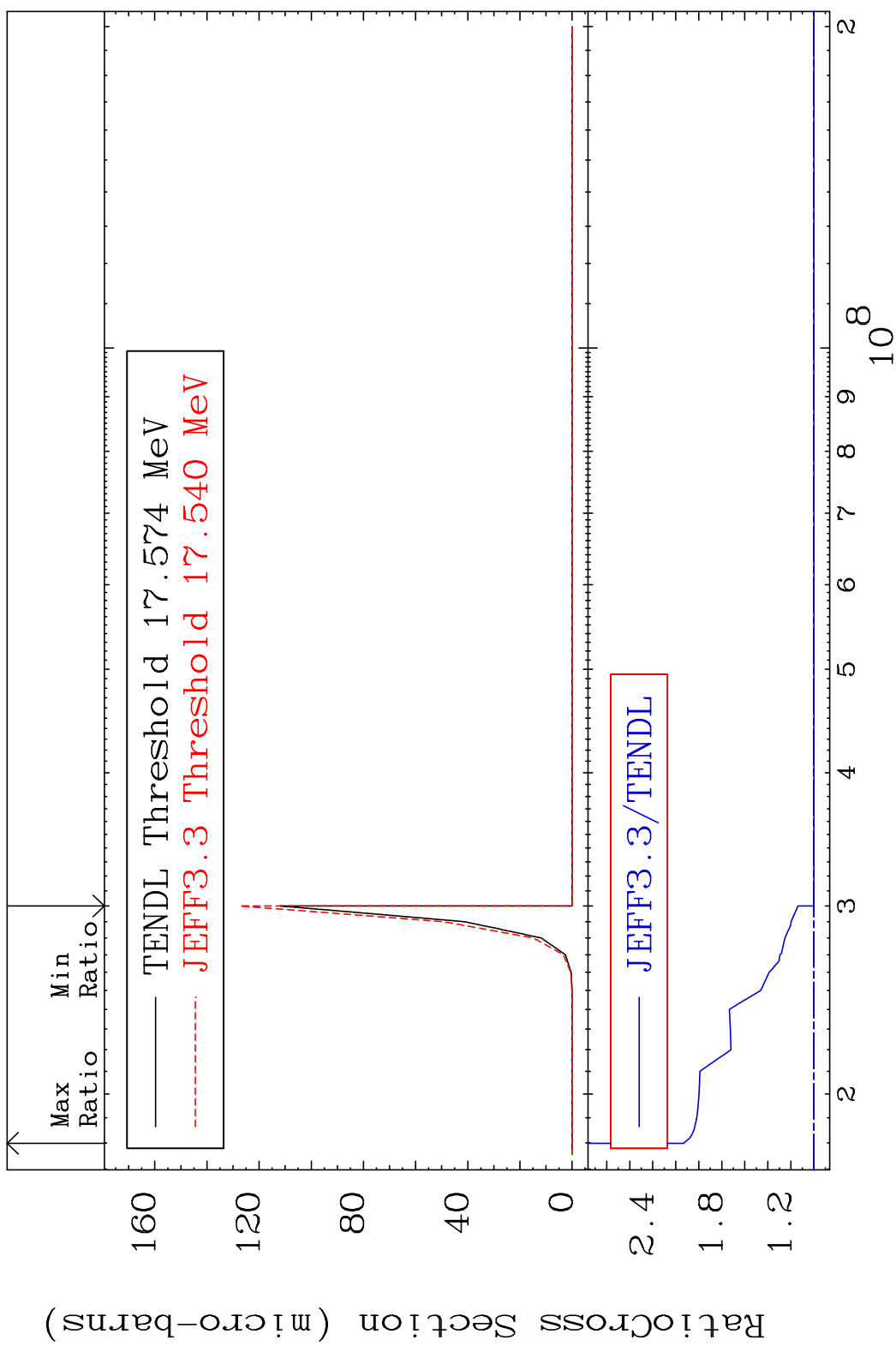


10 Incident Energy (eV) 38-Sr-87

MAT 3834 (n, n') t 38-Sr-87  
 Cross Section 0.000 To 5467. %

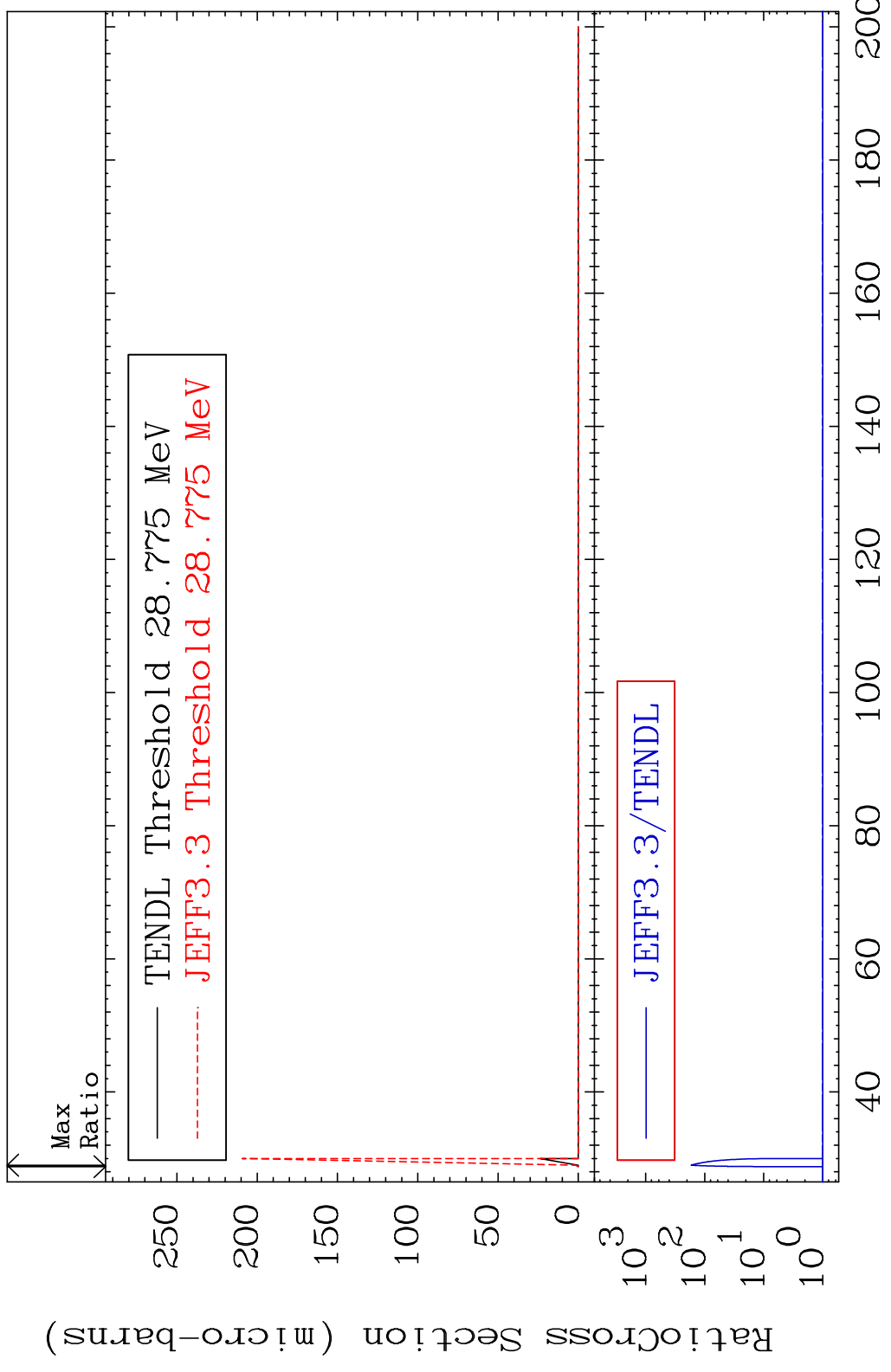


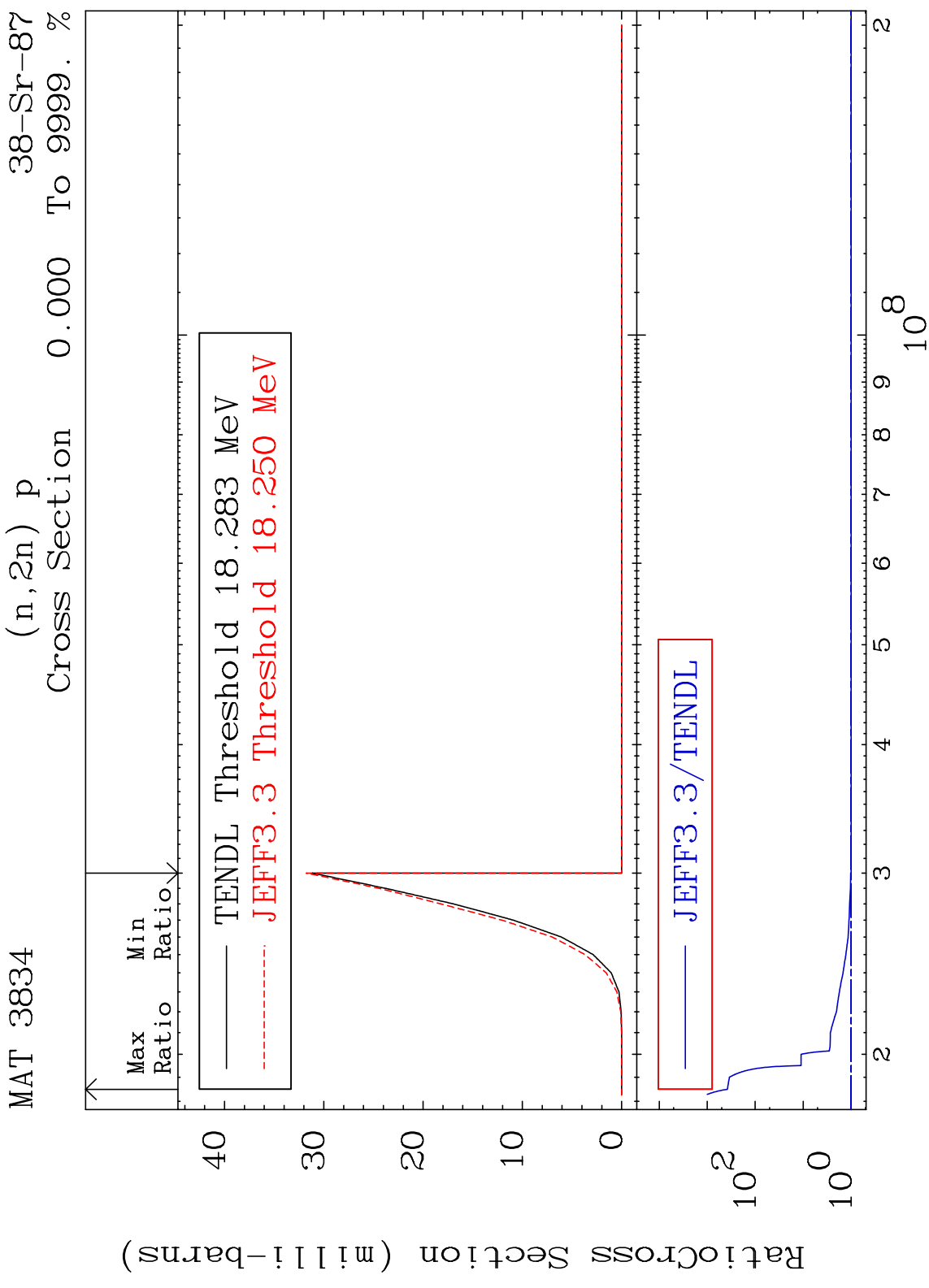
MAT 3834 (n, n') He-3 38-Sr-87  
 Cross Section 0.000 To 113.3 %



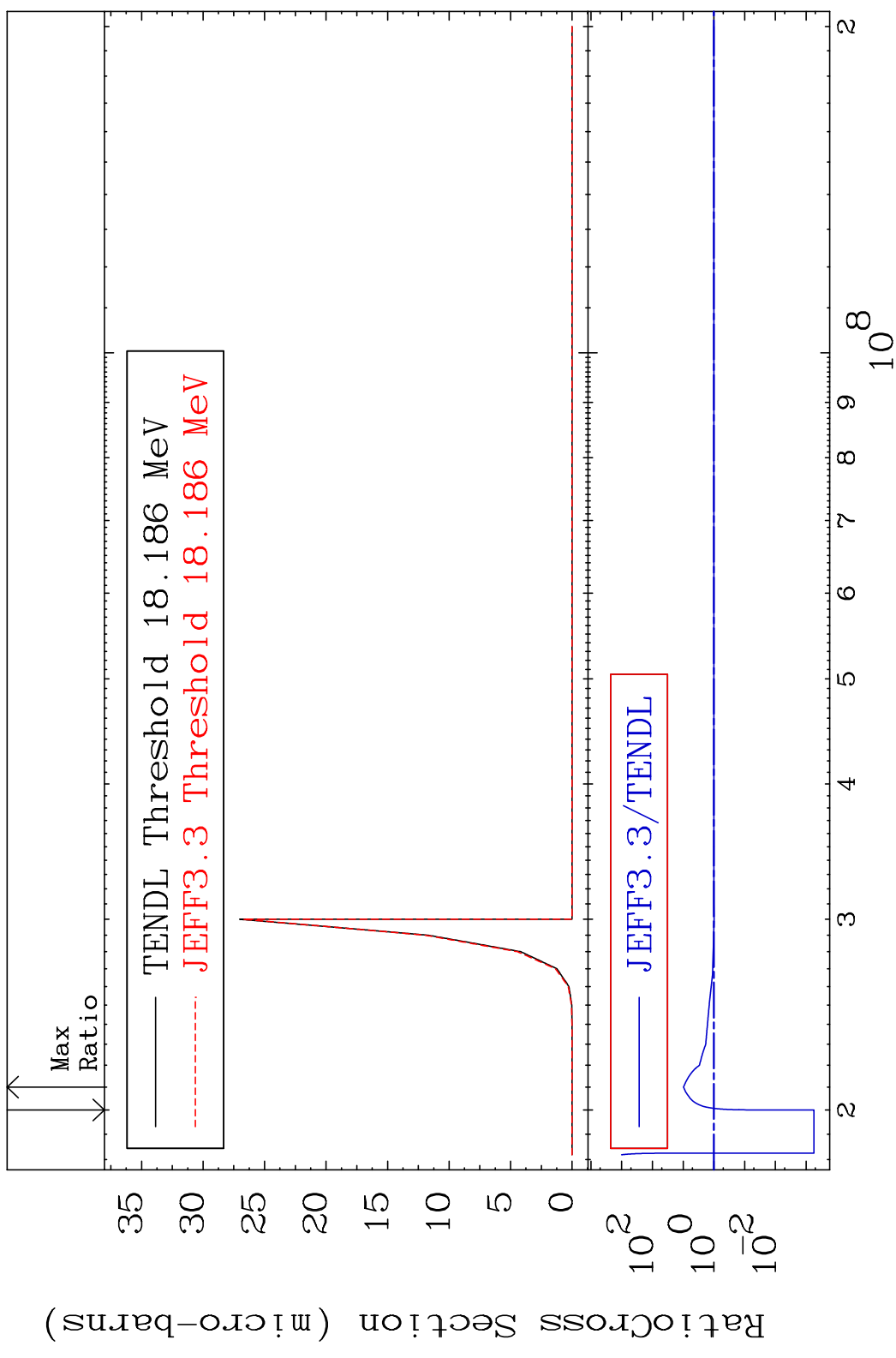
12 Incident Energy (eV) 38-Sr-87

MAT 3834 (n,4n) 38-Sr-87  
 Cross Section 0.000 To 9999. %





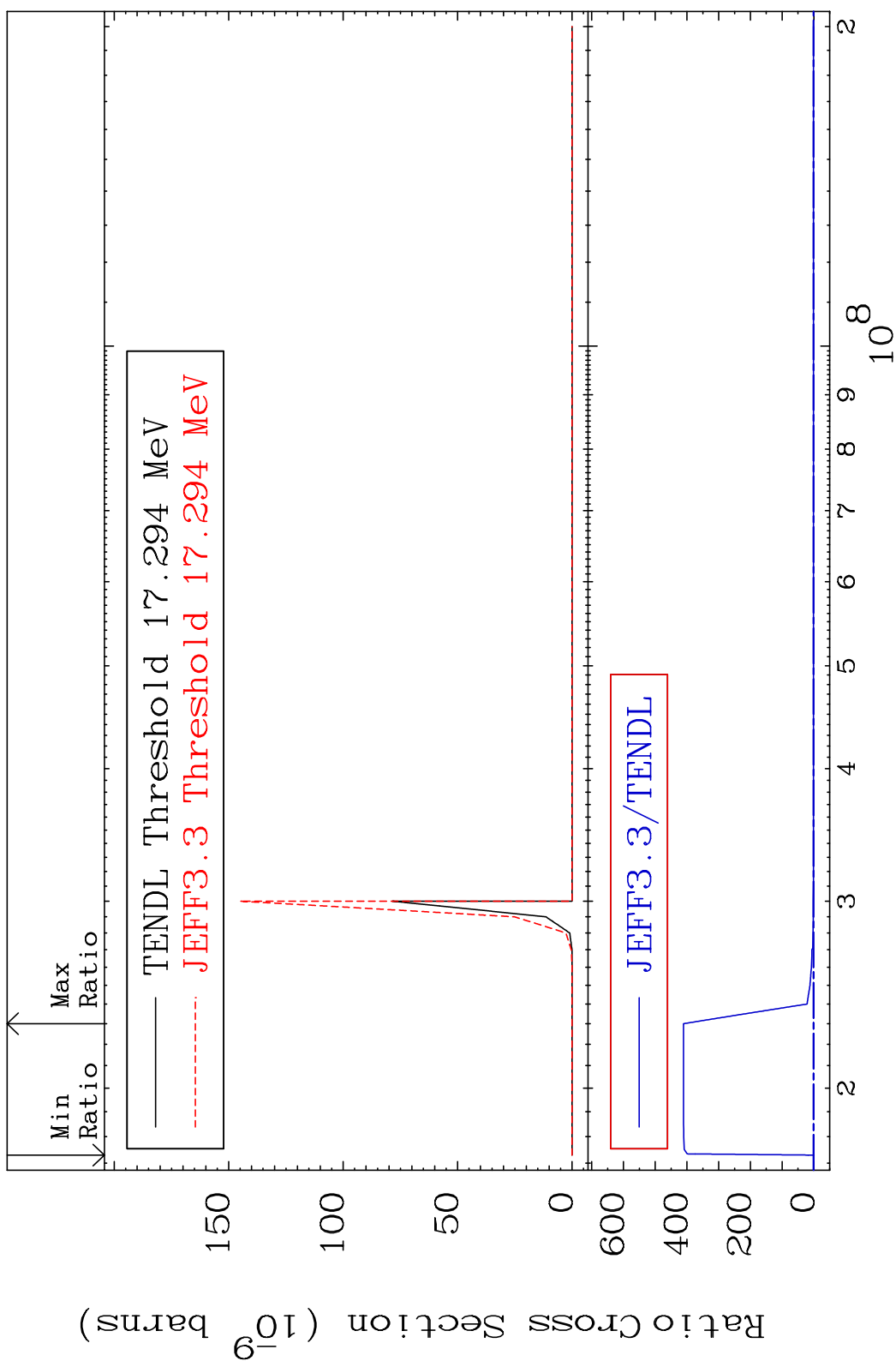
MAT 3834 (n,2n) p 38-Sr-87  
 Cross Section -99.94 To 878.1 %



15 Incident Energy (eV) 38-Sr-87

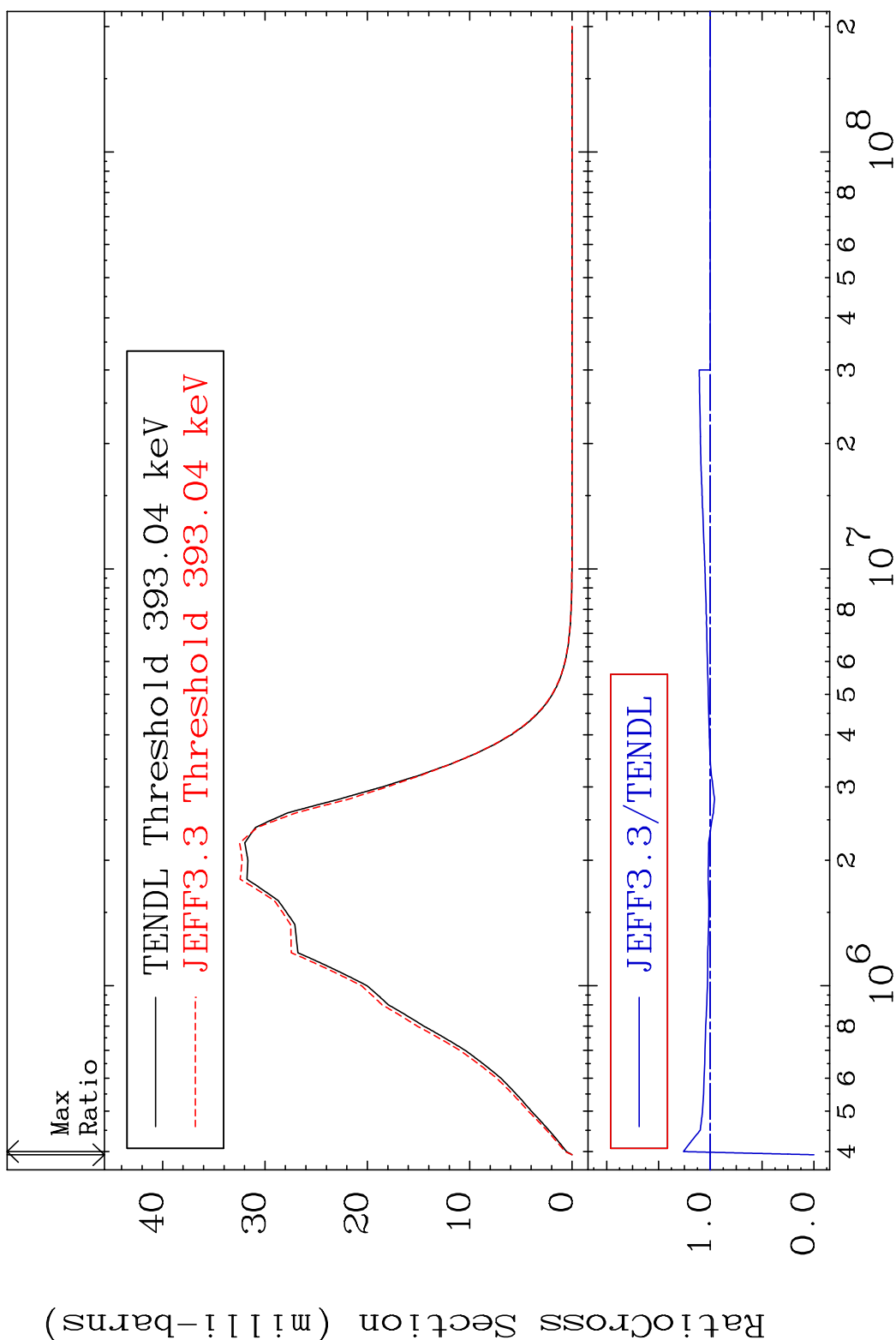


MAT 3834 (n, n') p  $\alpha$  38-Sr-87  
 Cross Section -100.0 To 9999. %



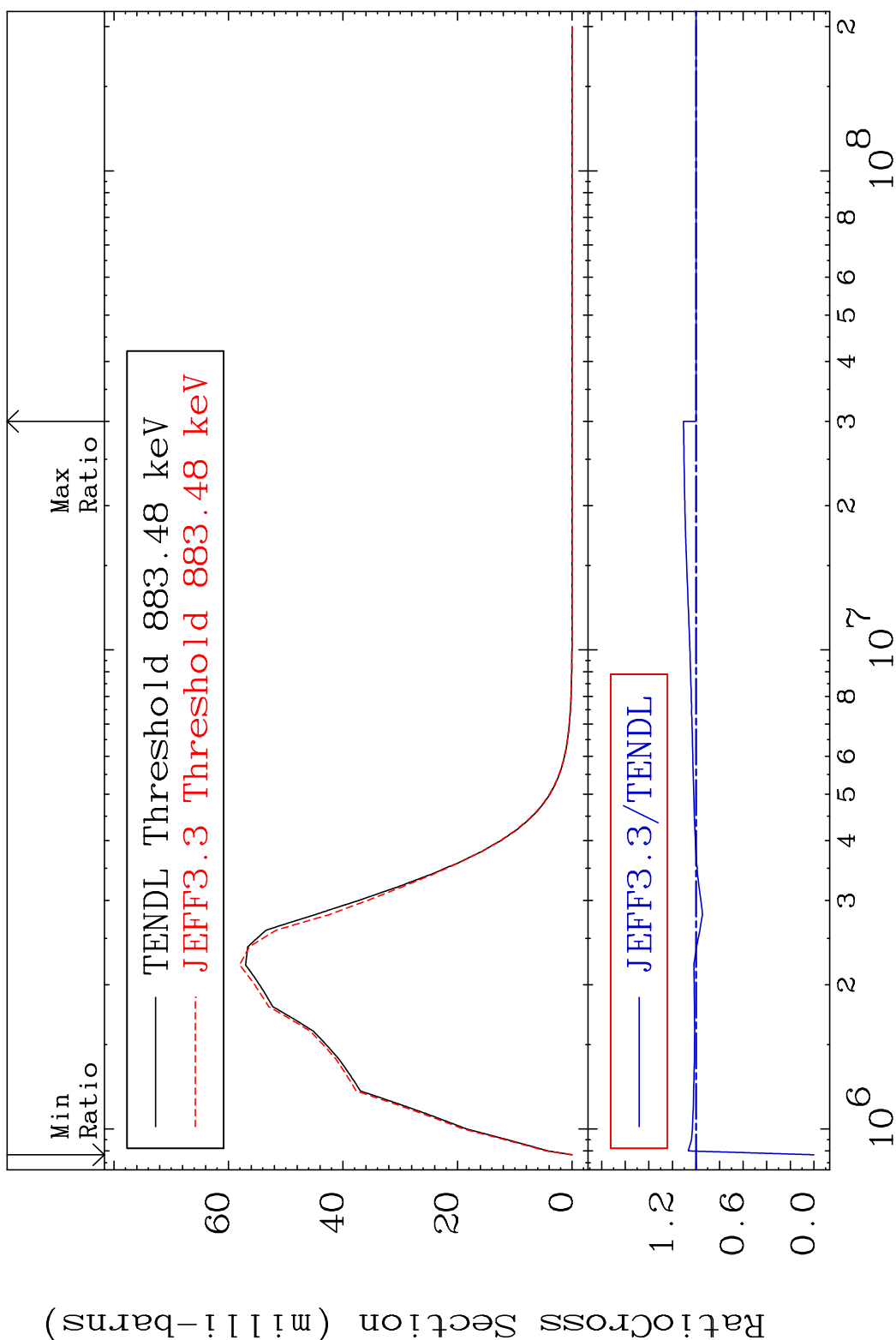
16 Incident Energy (eV) 38-Sr-87

MAT 3834 MT= 51 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 25.90 %



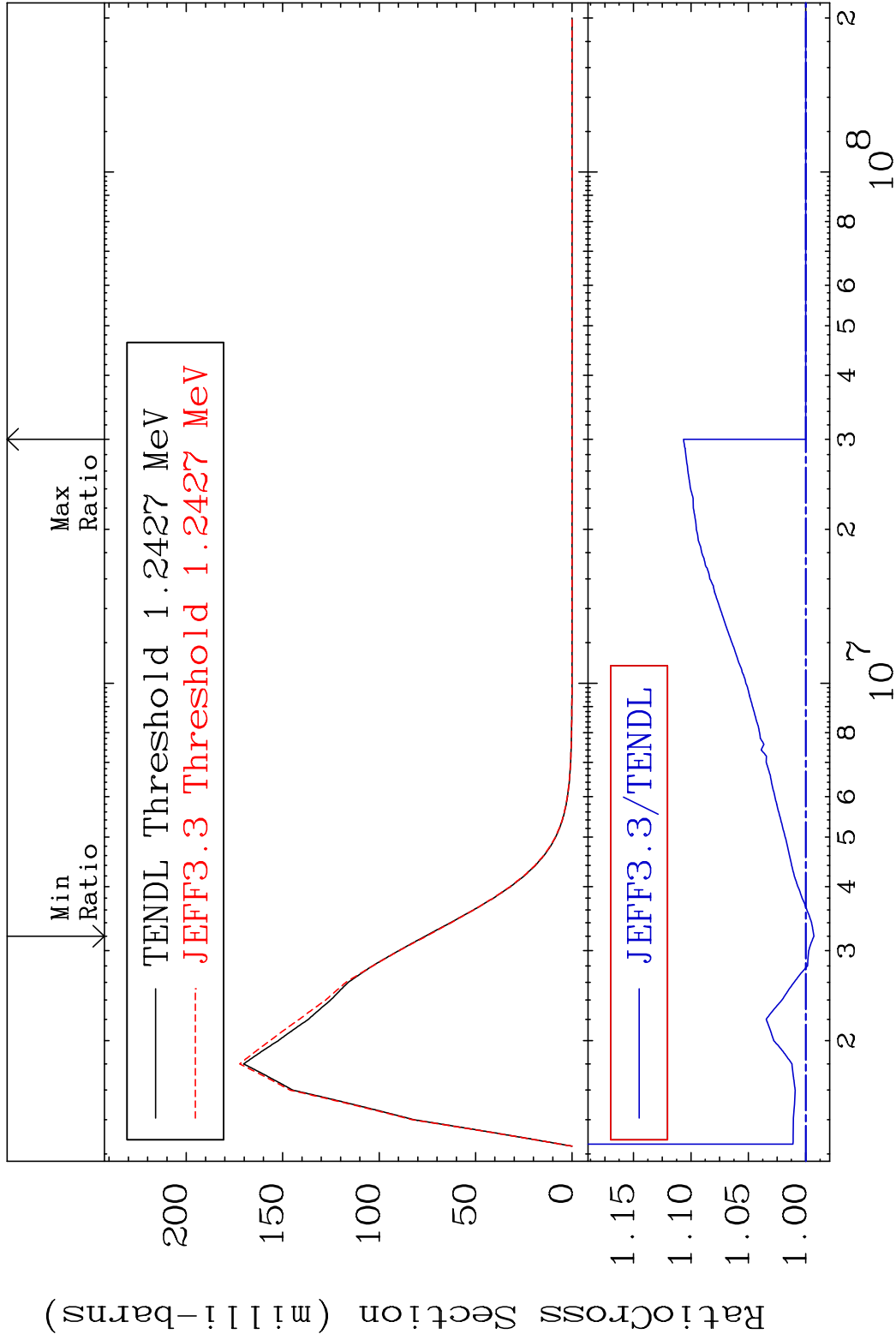
17 38-Sr-87

MAT 3834 MT= 52 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 10.65 %



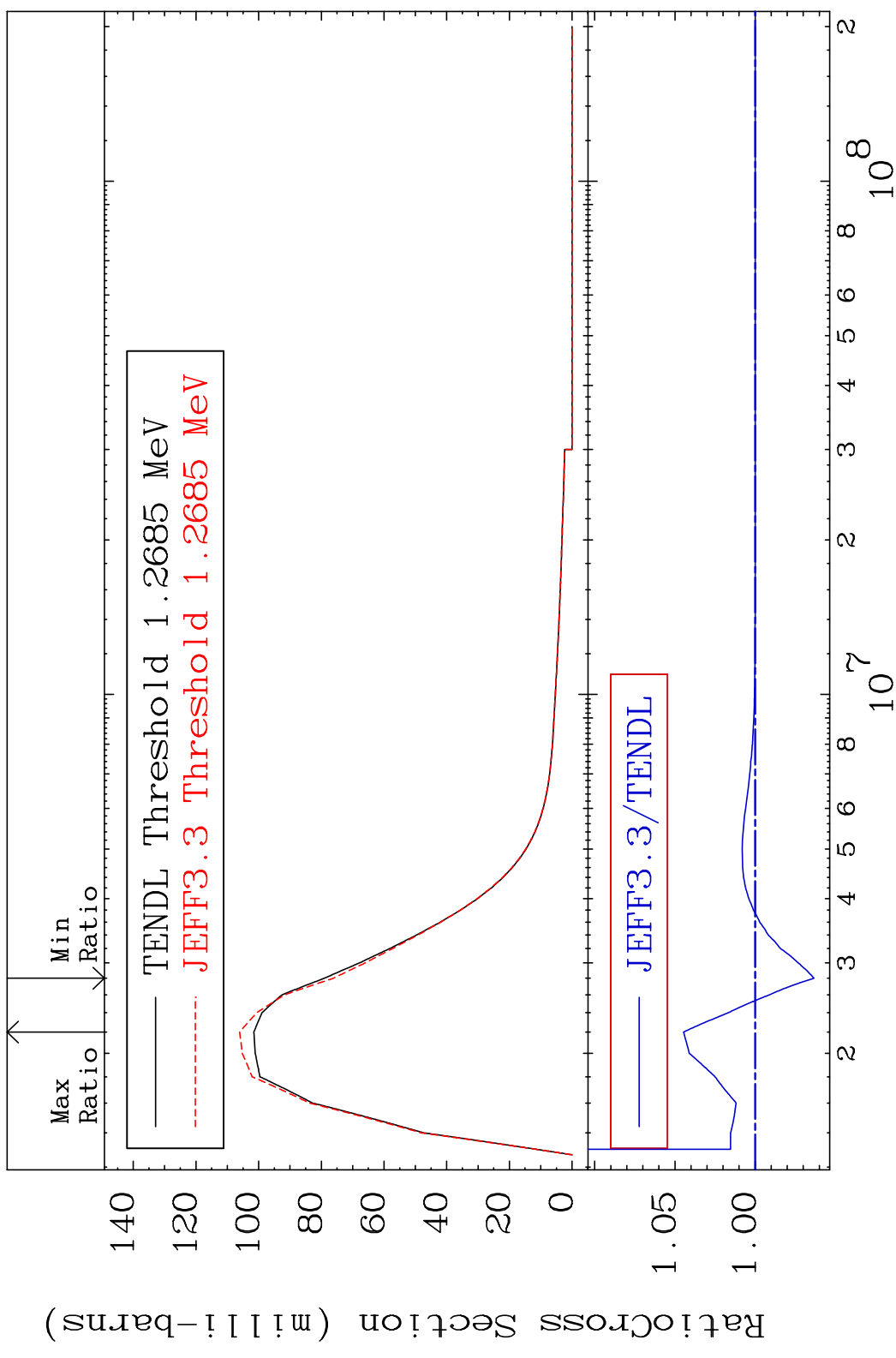
18 Incident Energy (eV) 38-Sr-87

MAT 3834 MT= 53 (n, n') Level 38-Sr-87  
 Cross Section -0.707 To 10.65 %



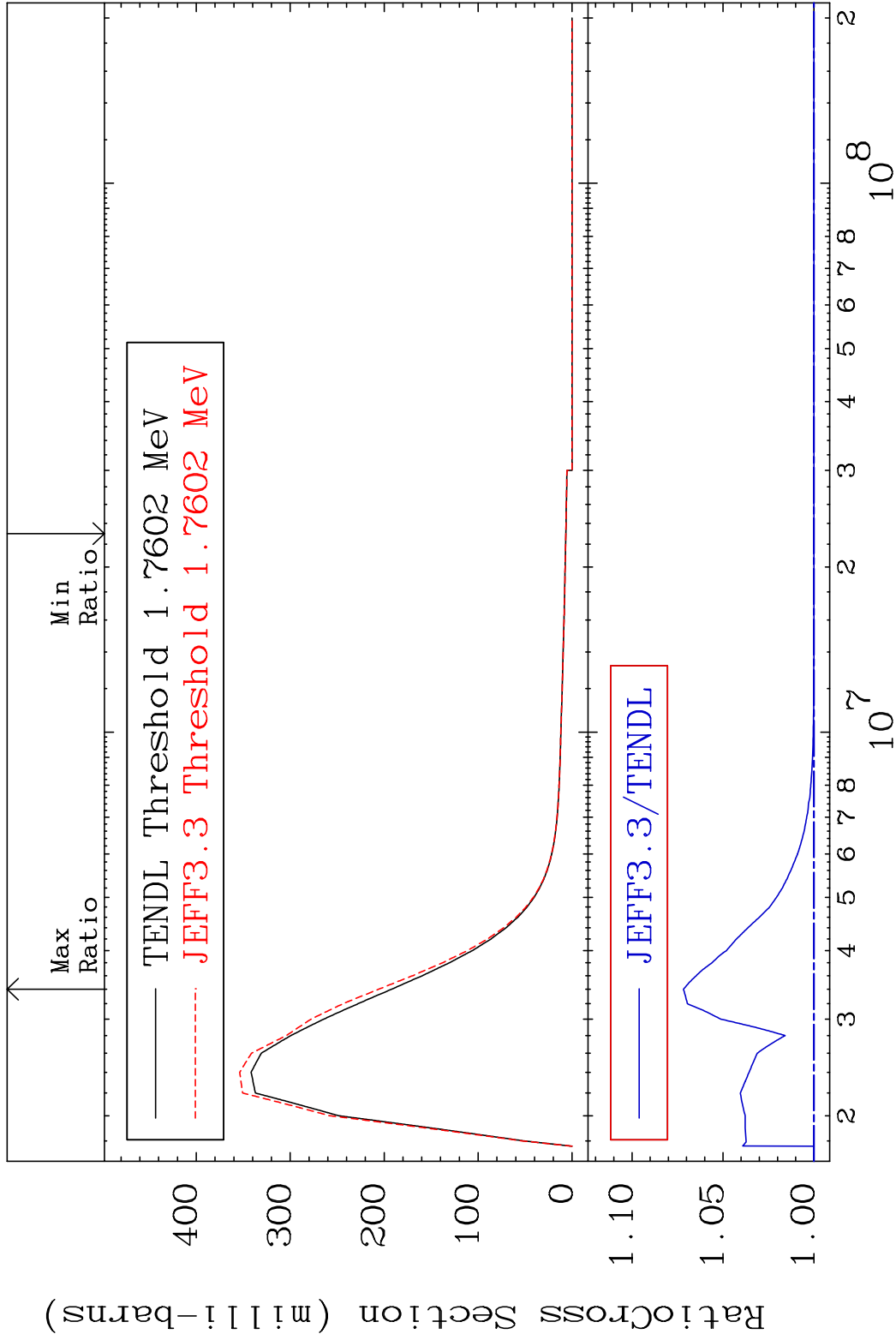
19 Incident Energy (eV) 38-Sr-87

MAT 3834 MT= 54 (n, n') Level 38-Sr-87  
 Cross Section -3.661 To 4.469 %

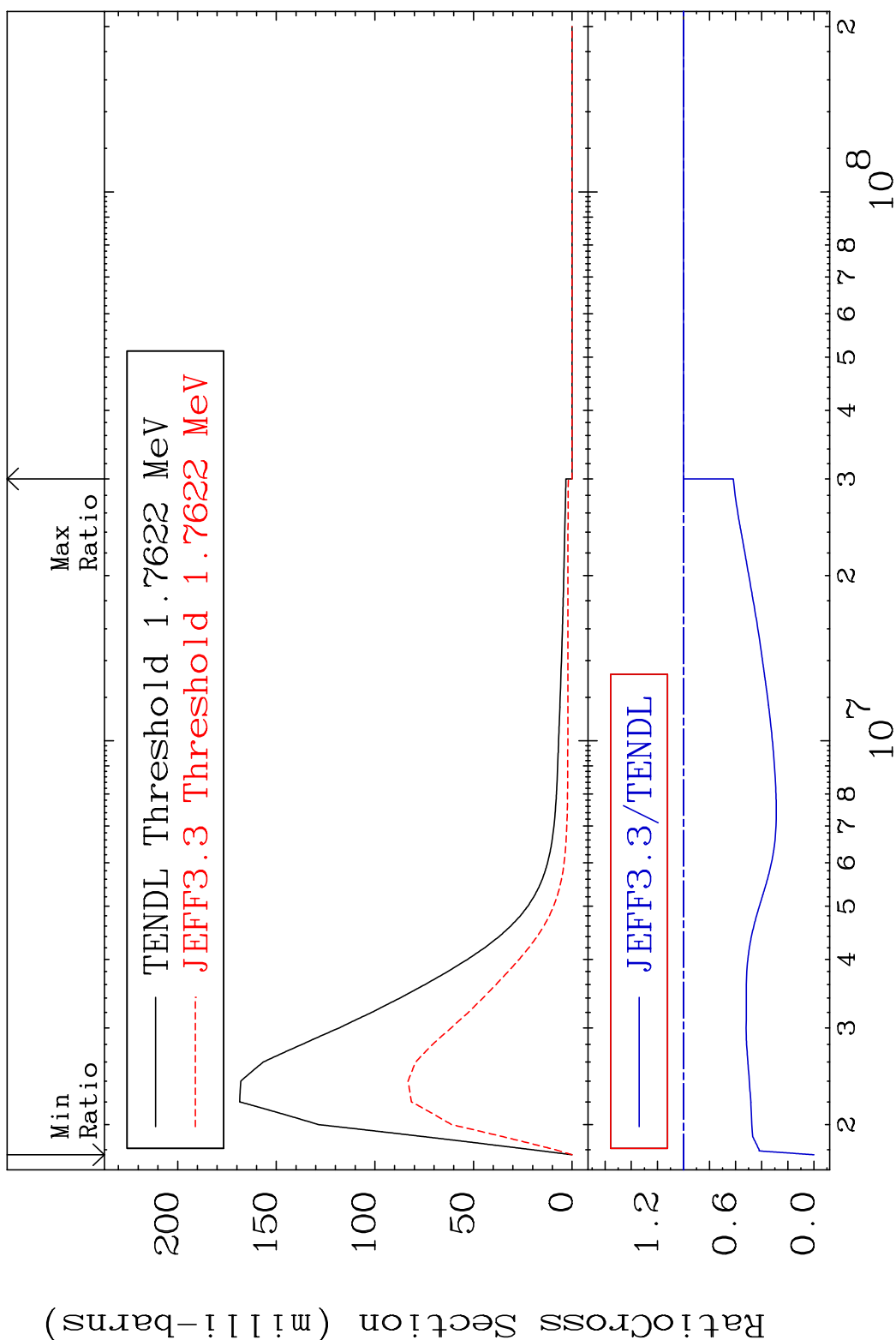


20 38-Sr-87

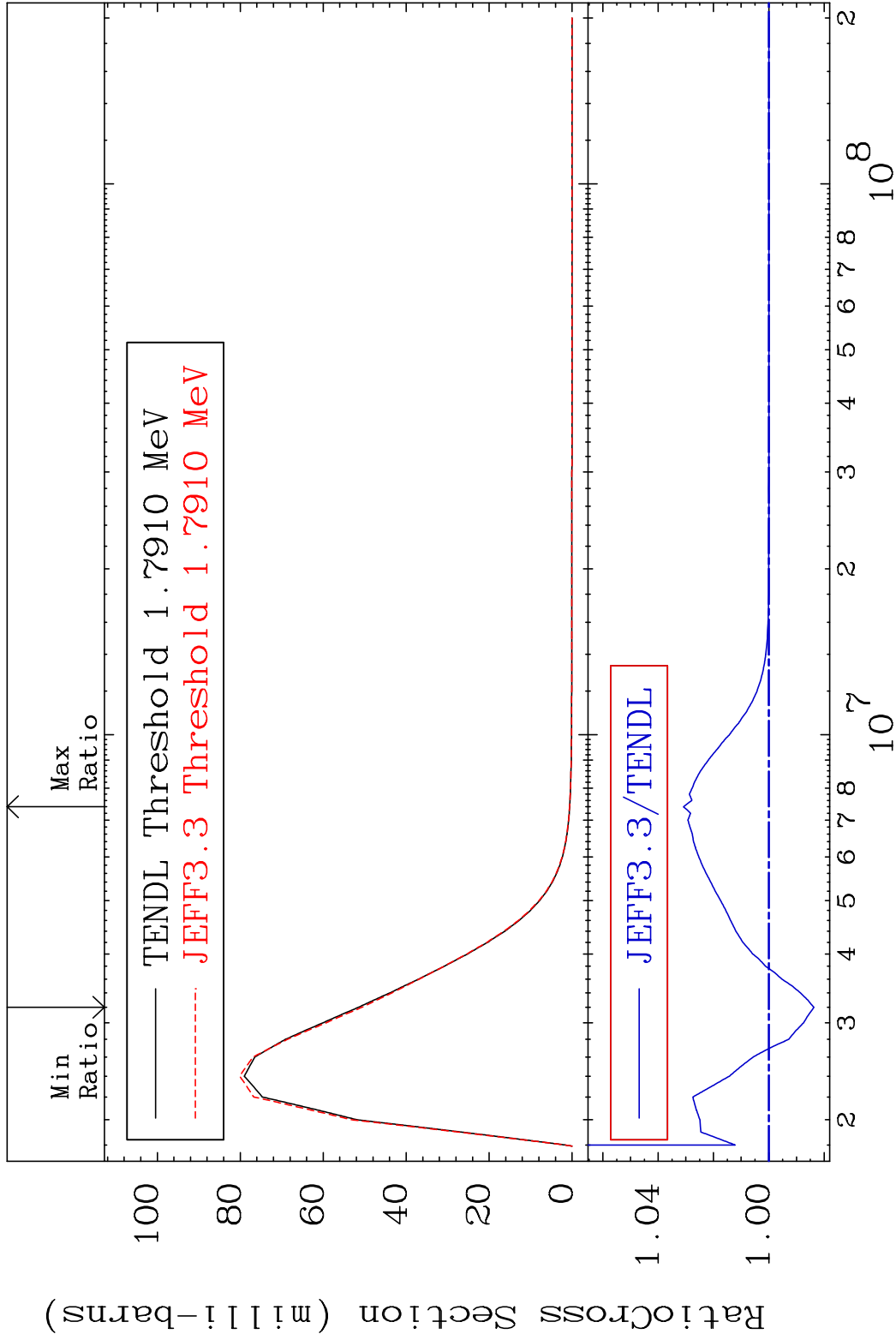
MAT 3834 MT= 55 (n, n') Level 38-Sr-87  
 Cross Section 0.000 To 7.171 %



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



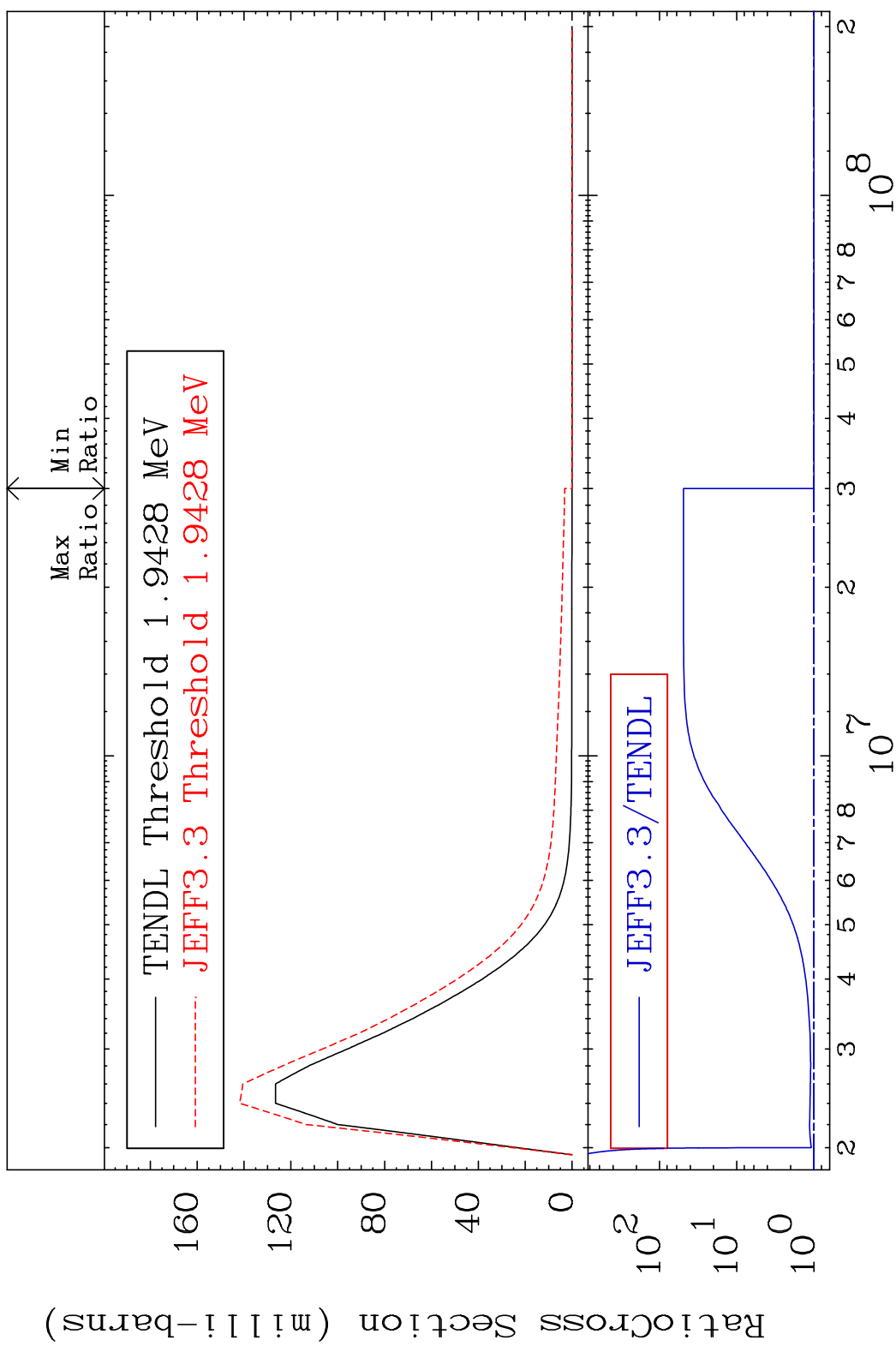
MAT 3834 MT= 57 (n, n') Level 38-Sr-87  
 Cross Section -1.630 To 3.087 %



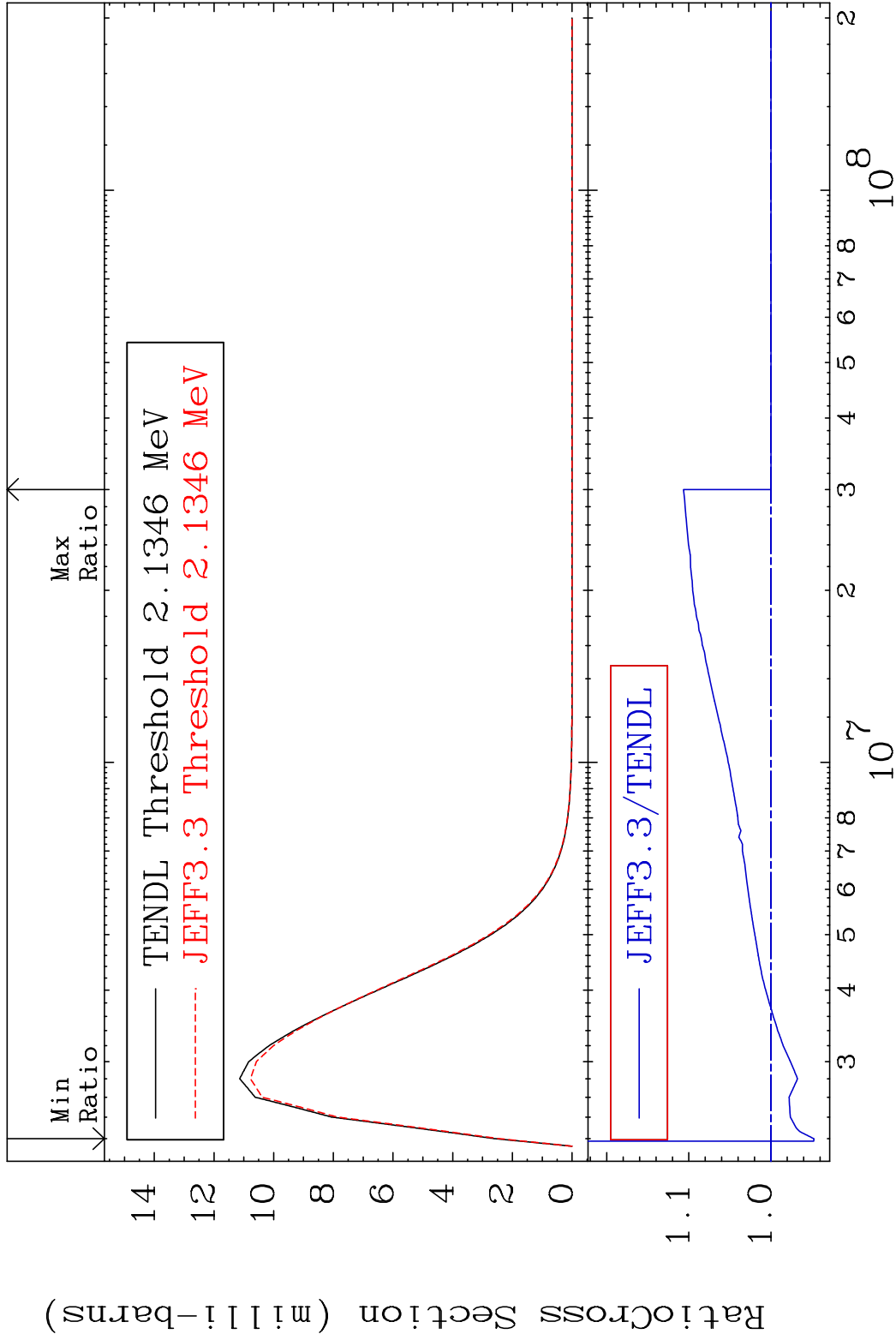
23 Incident Energy (eV) 38-Sr-87



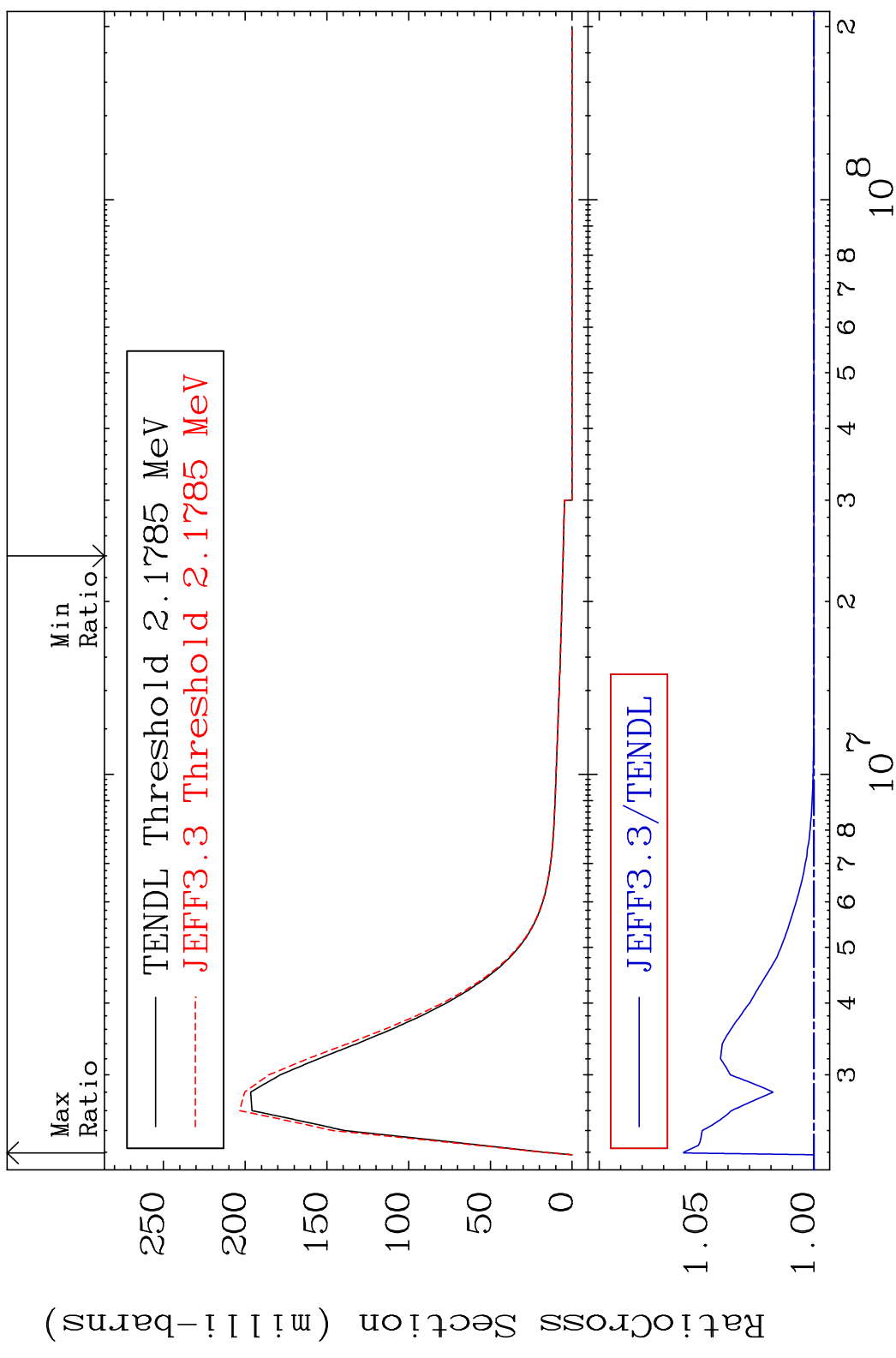
MAT 3834 MT= 58 (n, n') Level 38-Sr-87  
 Cross Section 0.000 To 4800. %



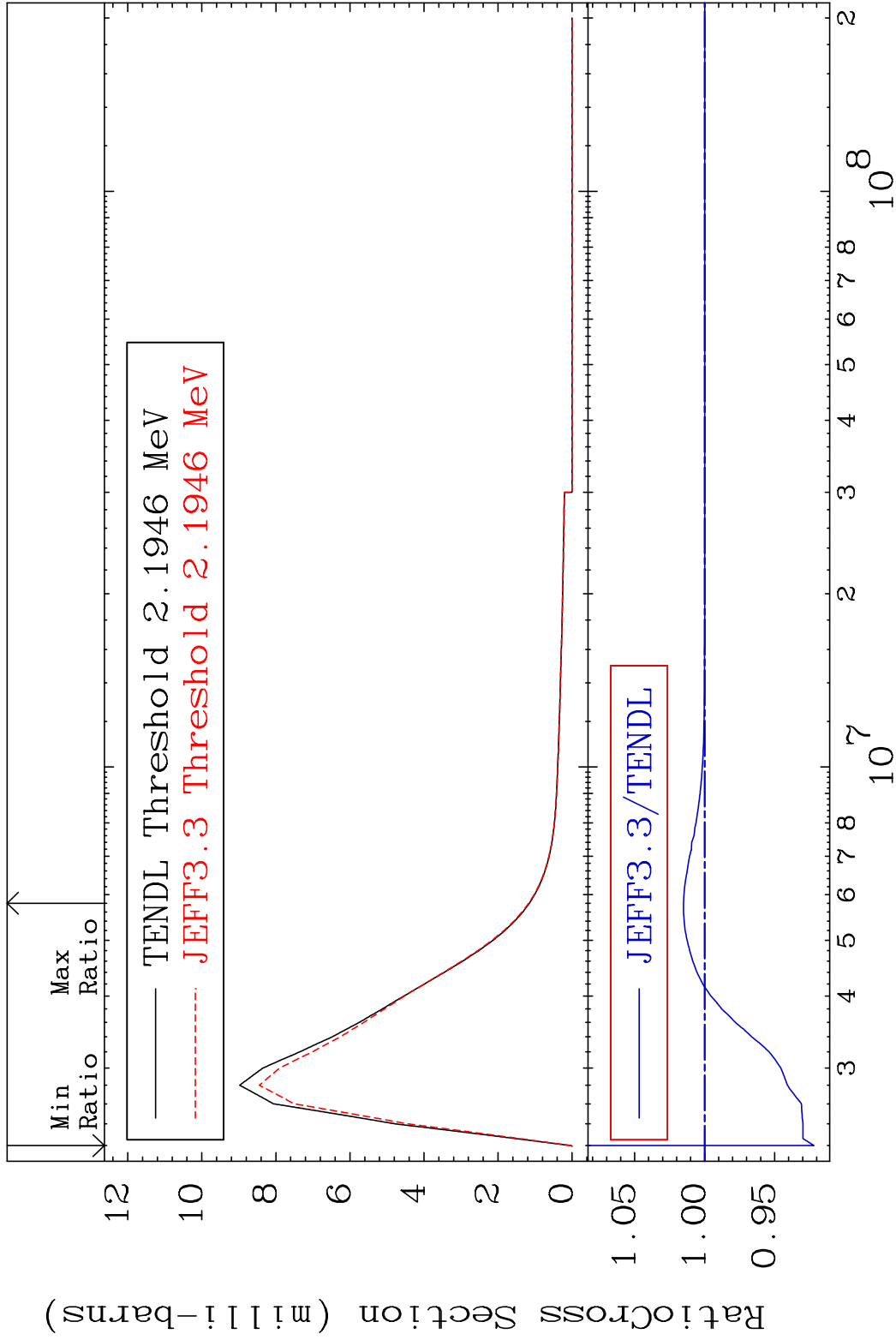
MAT 3834 MT= 59 (n, n') Level 38-Sr-87  
 Cross Section -5.238 To 10.66 %



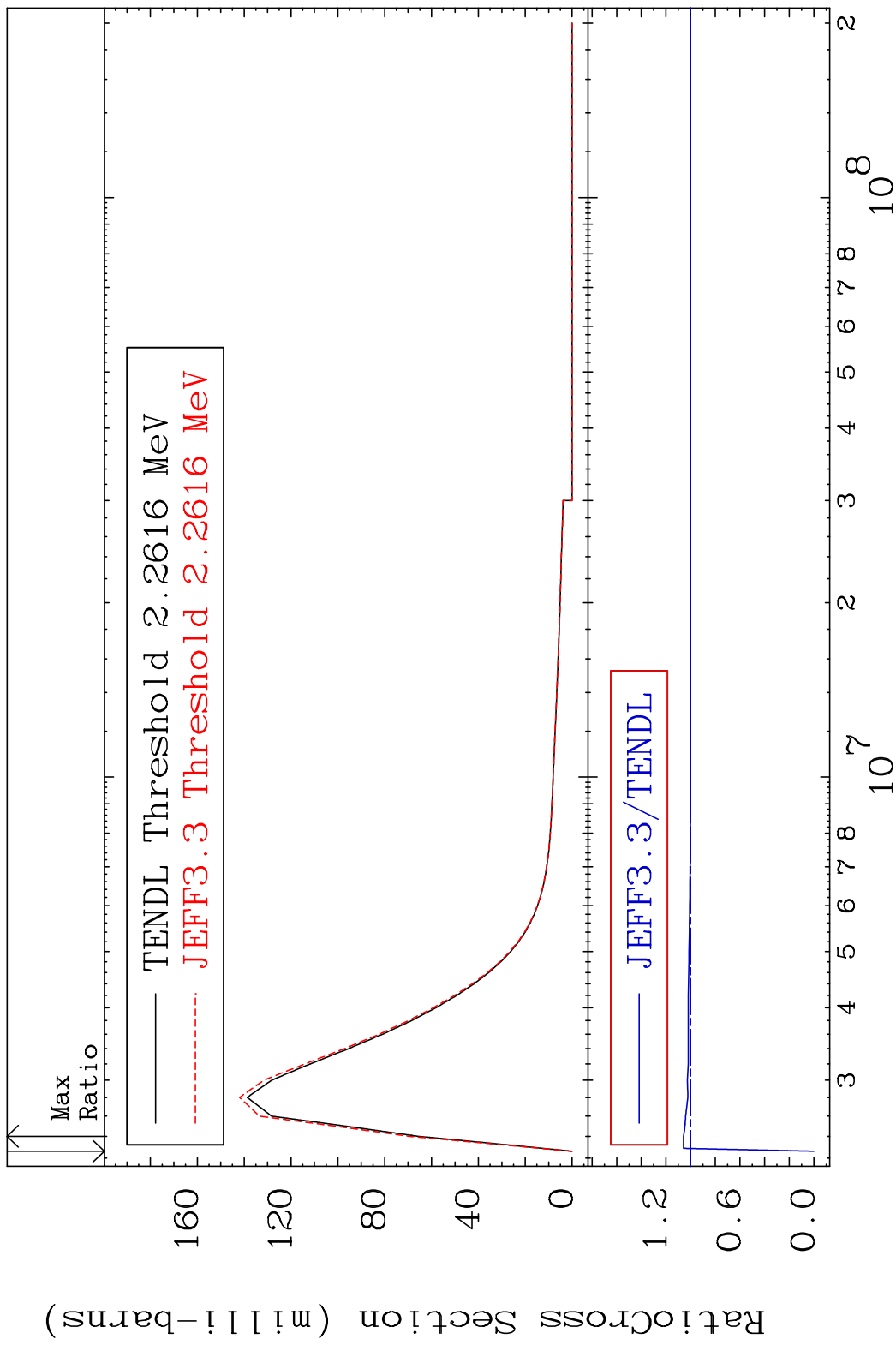
MAT 3834 MT= 60 (n, n') Level 38-Sr-87  
 Cross Section 0.000 To 6.072 %



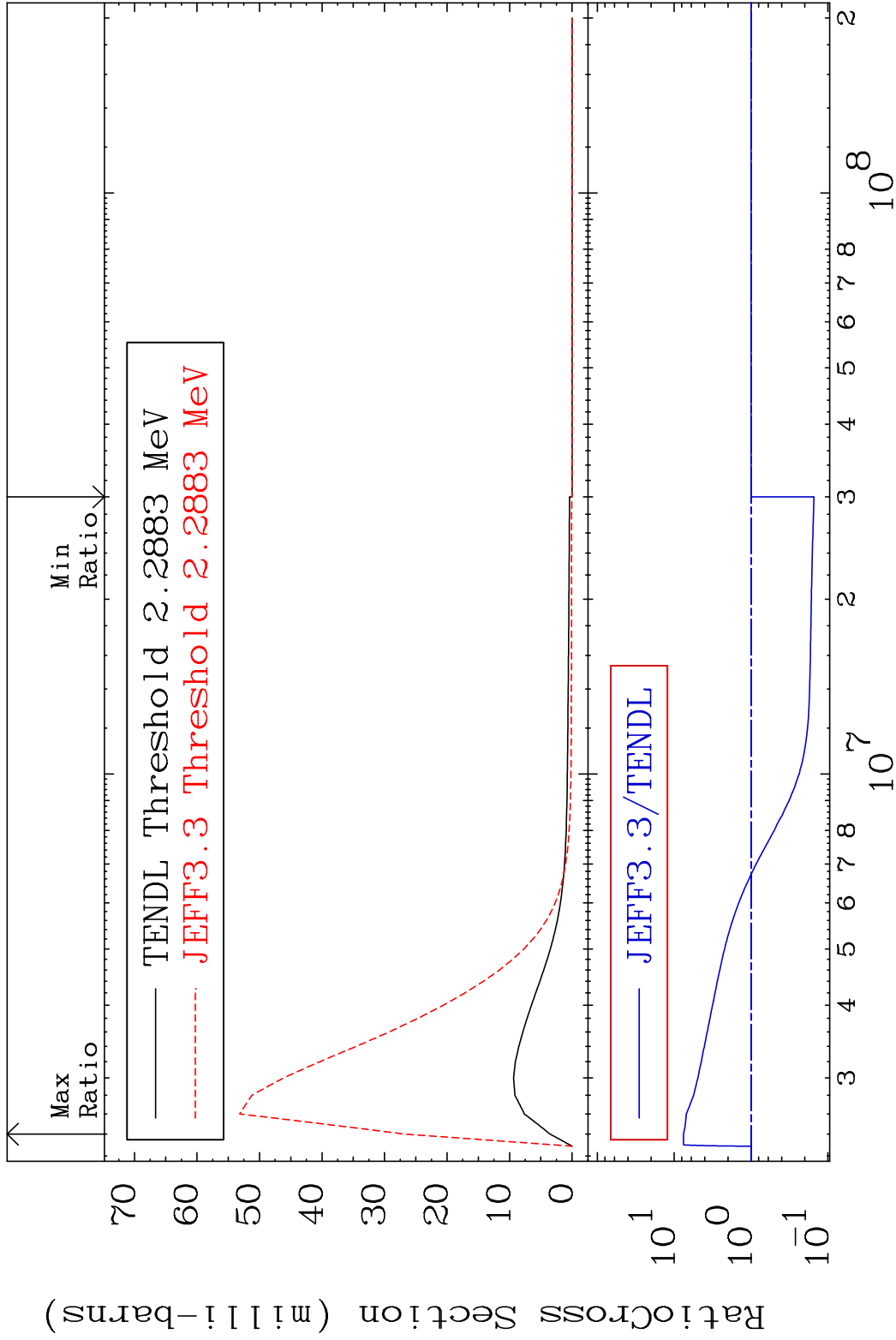
MAT 3834 MT= 61 (n, n') Level 38-Sr-87  
 Cross Section -7.802 To 1.514 %



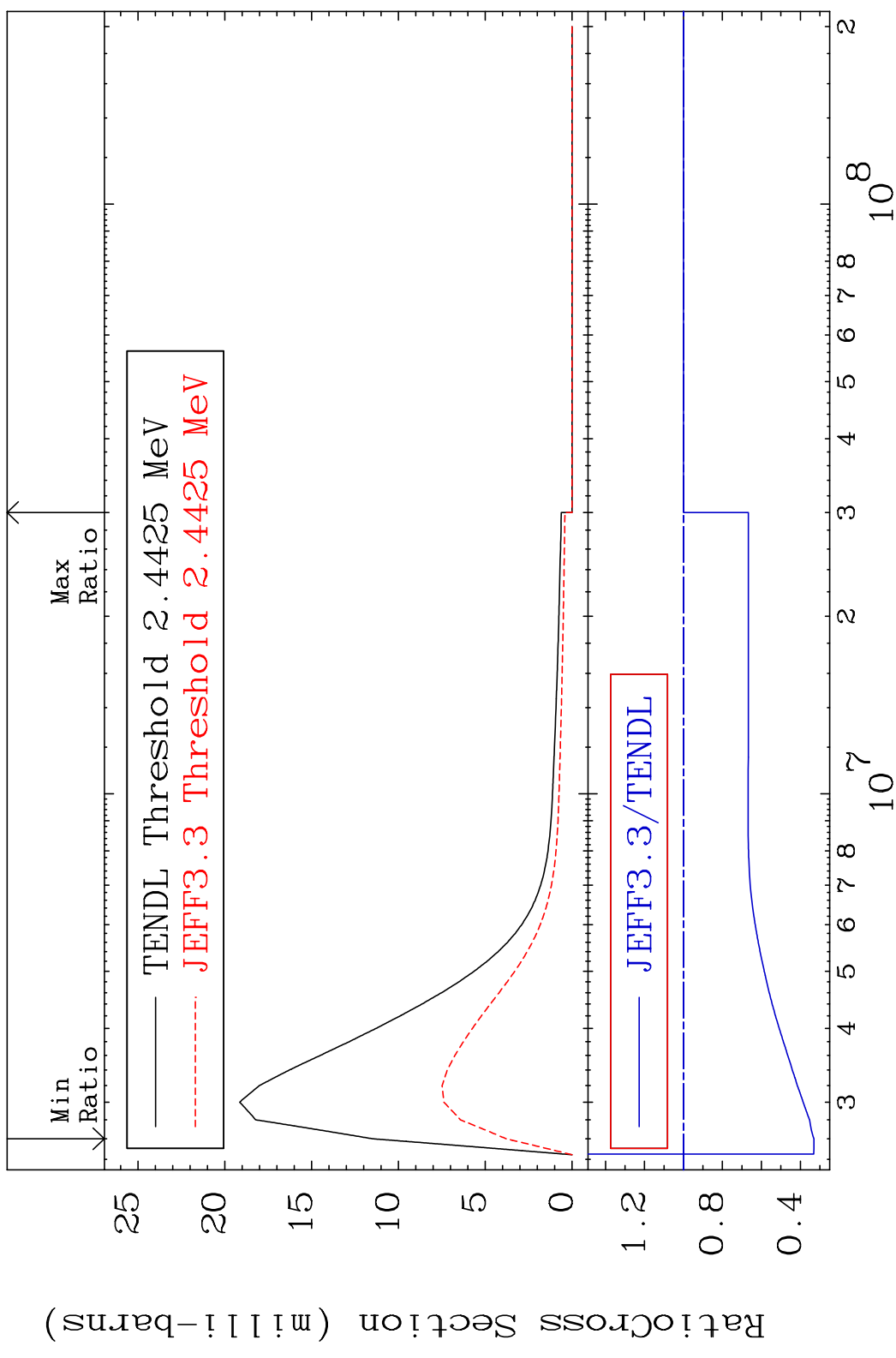
MAT 3834 MT= 62 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 5.828 %



MAT 3834 MT= 63 (n, n') Level 38-Sr-87  
 Cross Section -84.75 To 658.4 %

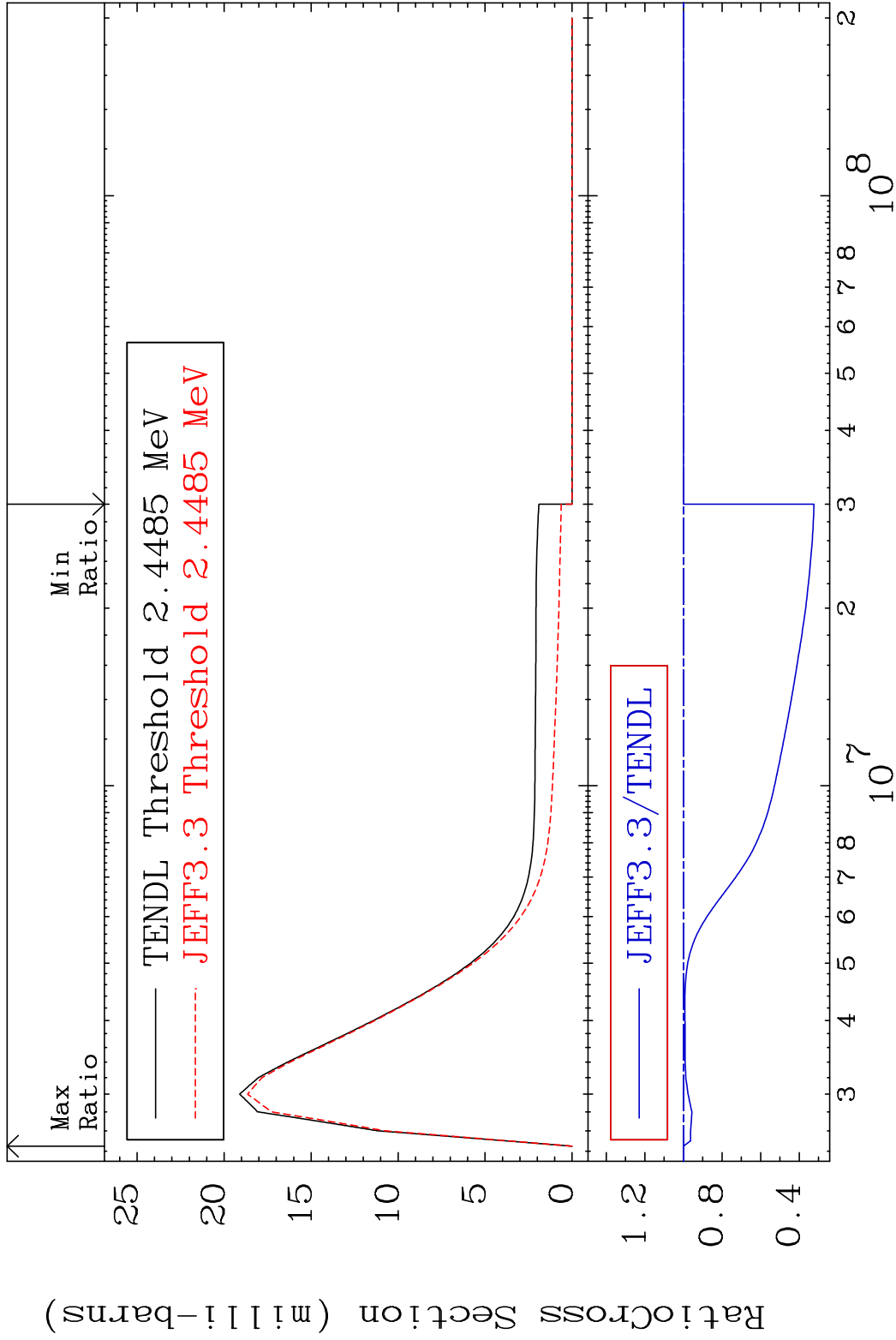


MAT 3834 MT= 64 (n, n') Level 38-Sr-87  
 Cross Section -66.93 To 0.000 %



30 38-Sr-87

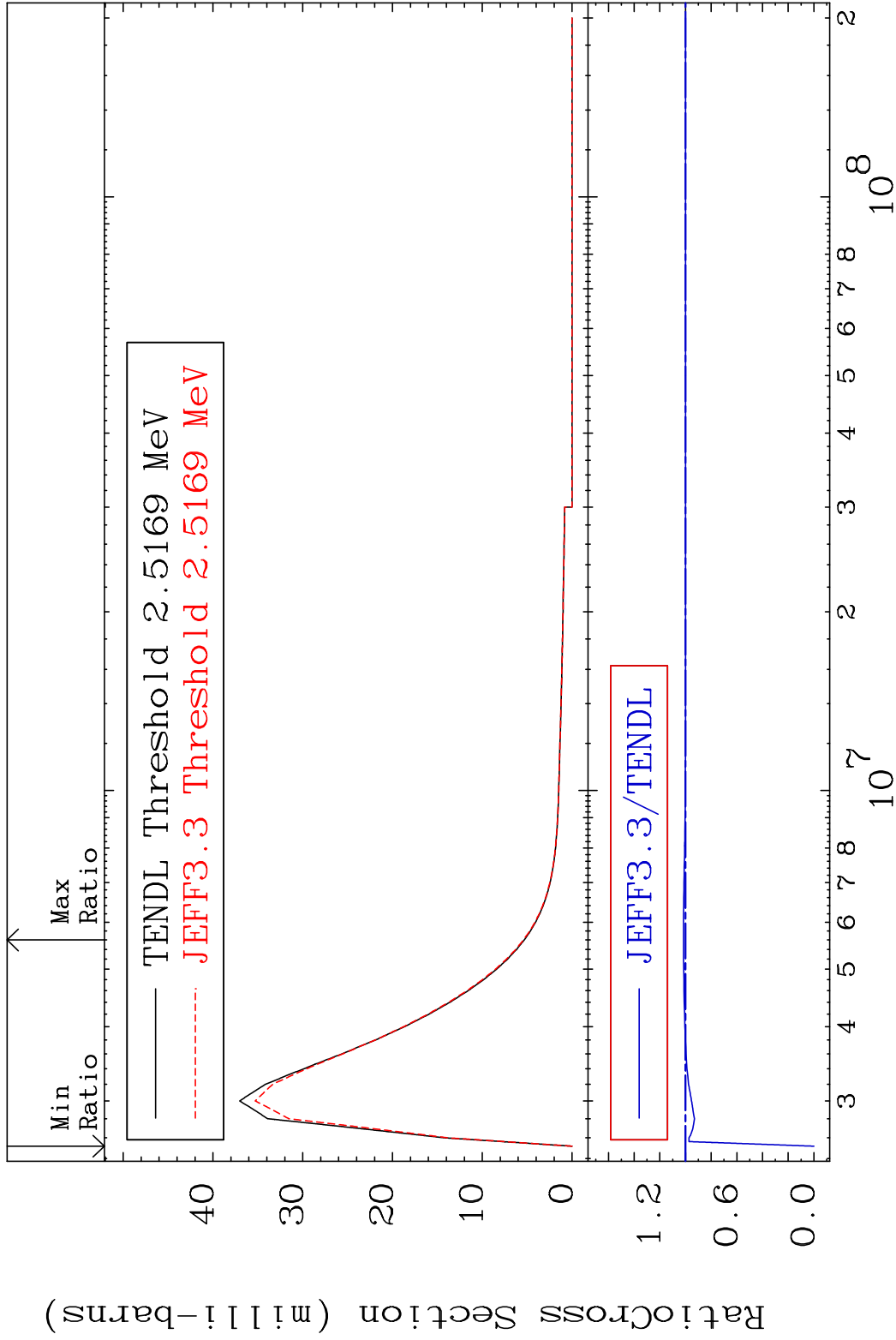
MAT 3834 MT= 65 (n, n') Level 38-Sr-87  
 Cross Section -67.56 To 0.000 %



31 Incident Energy (eV) 38-Sr-87

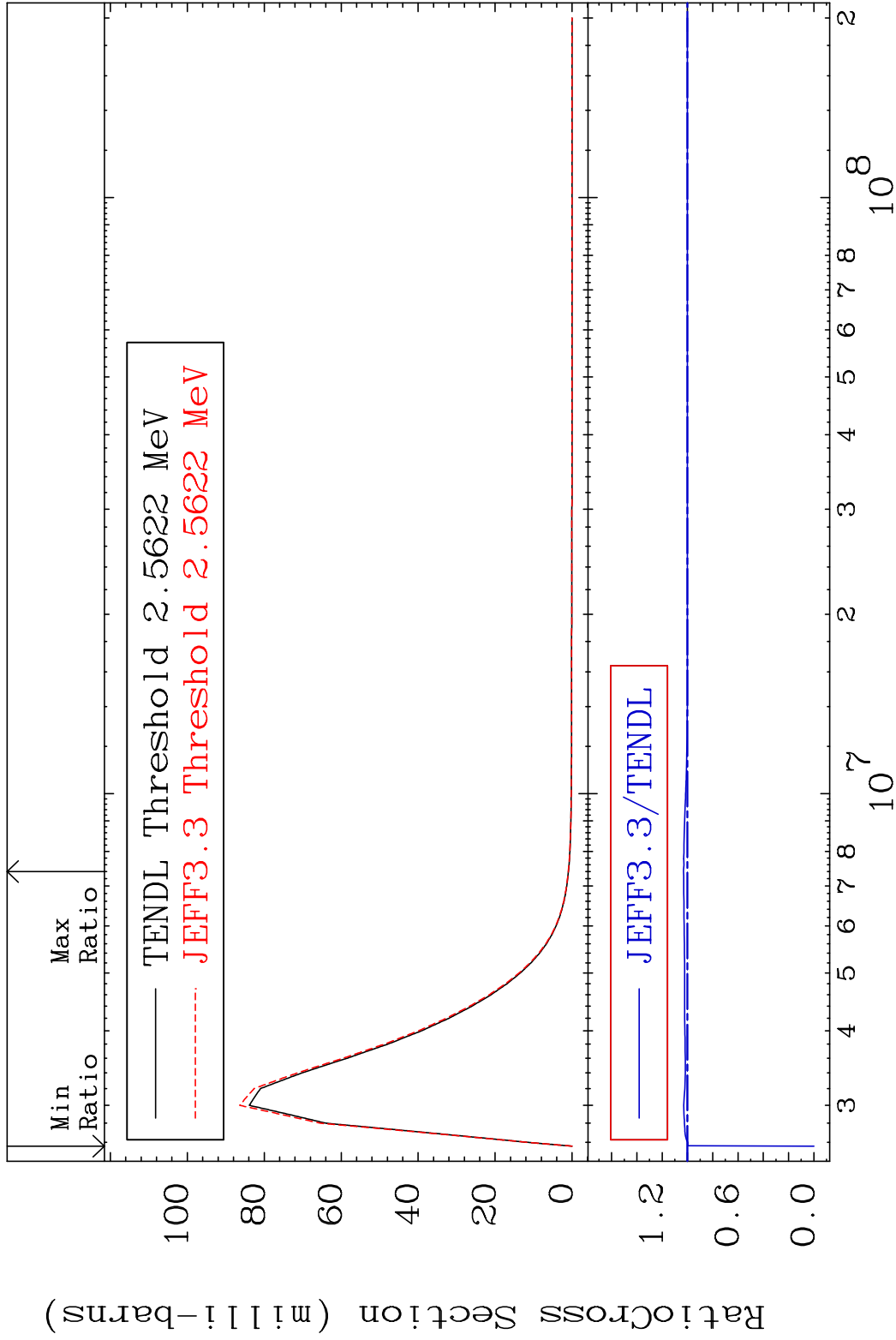


MAT 3834 MT= 66 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 1.603 %



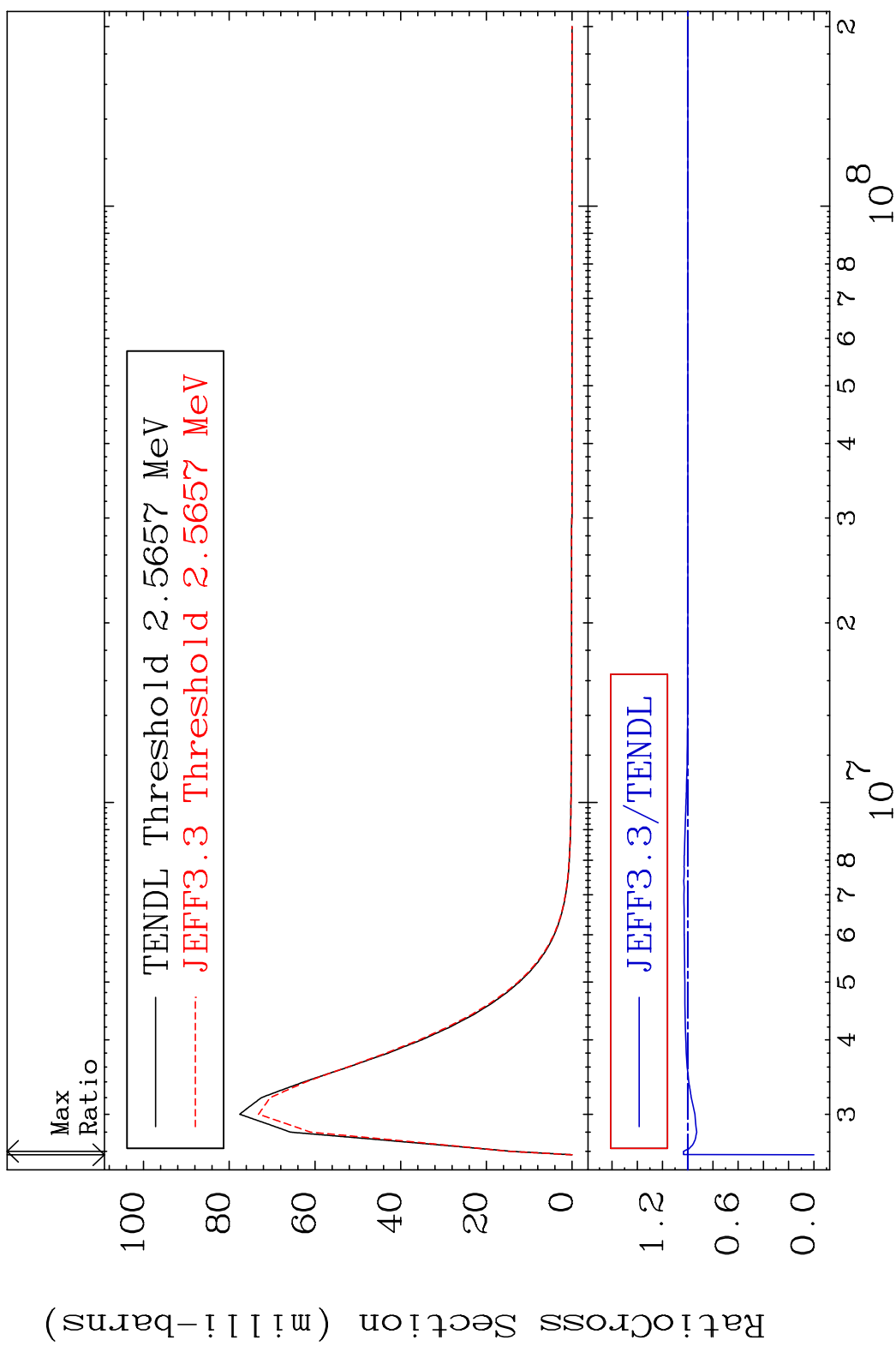
32 Incident Energy (eV) 38-Sr-87

MAT 3834 MT= 67 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 3.148 %

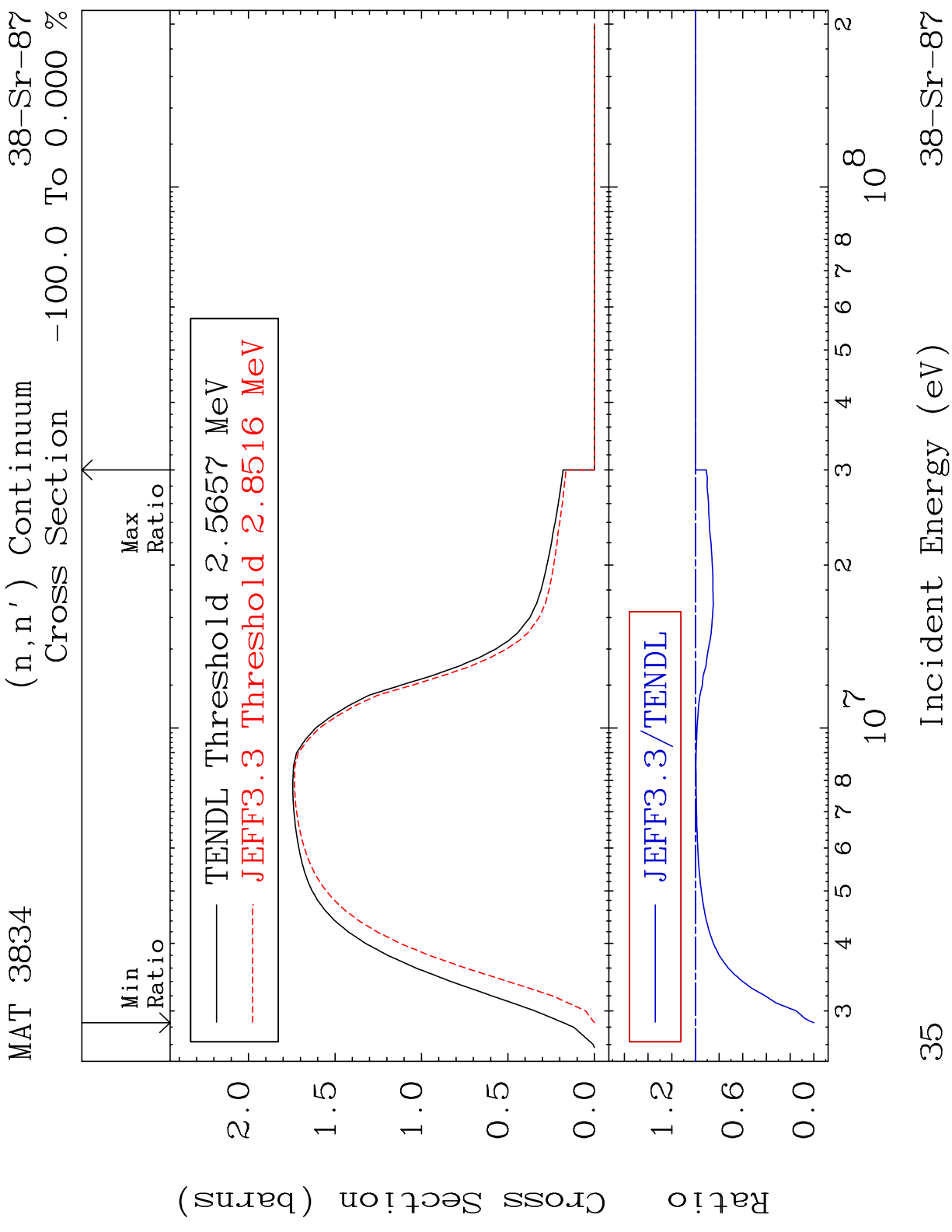


33 Incident Energy (eV) 38-Sr-87

MAT 3834 MT= 68 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 3.379 %



34 Incident Energy (eV) 38-Sr-87

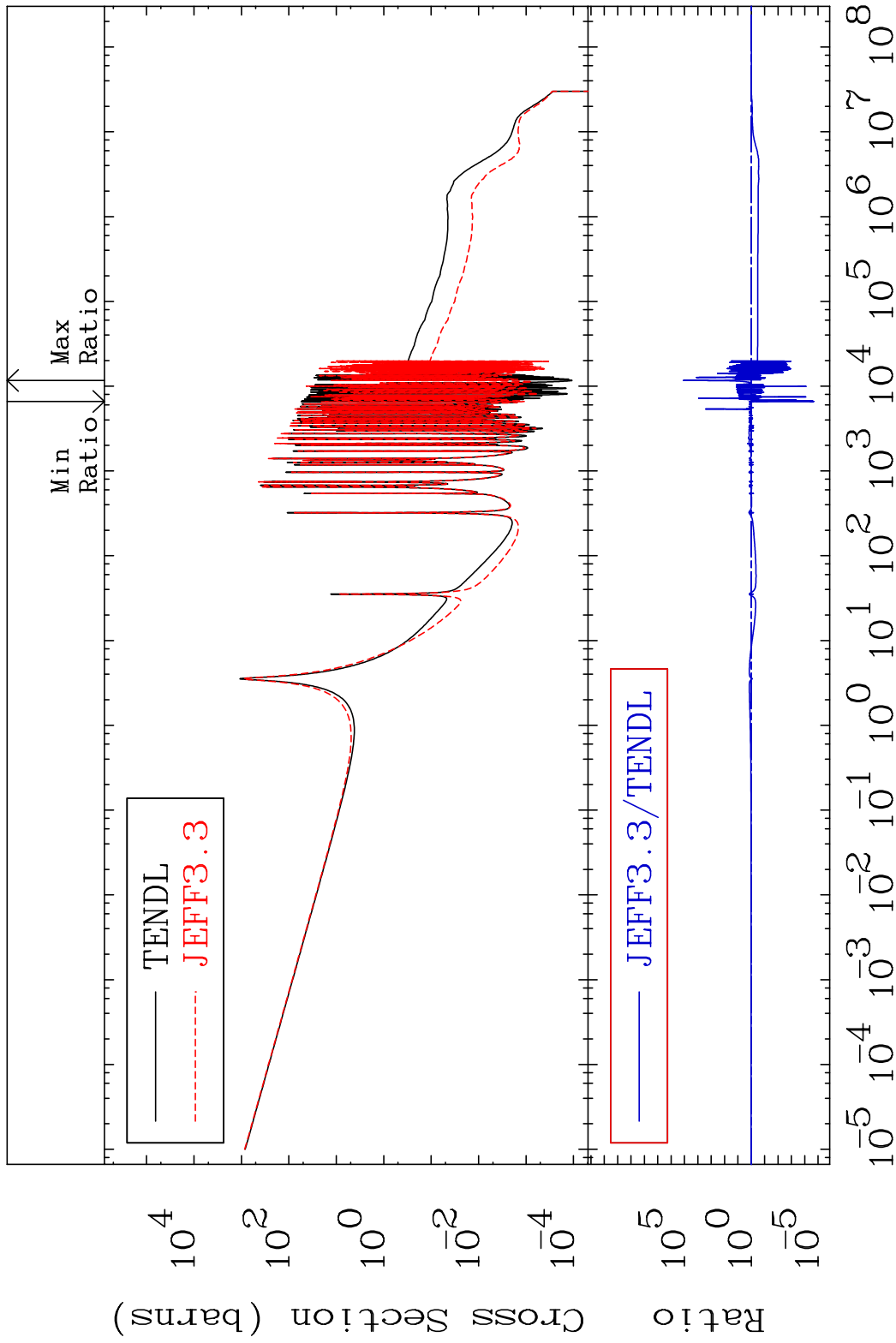


MAT 3834

(n,  $\gamma$ )

38-Sr-87

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

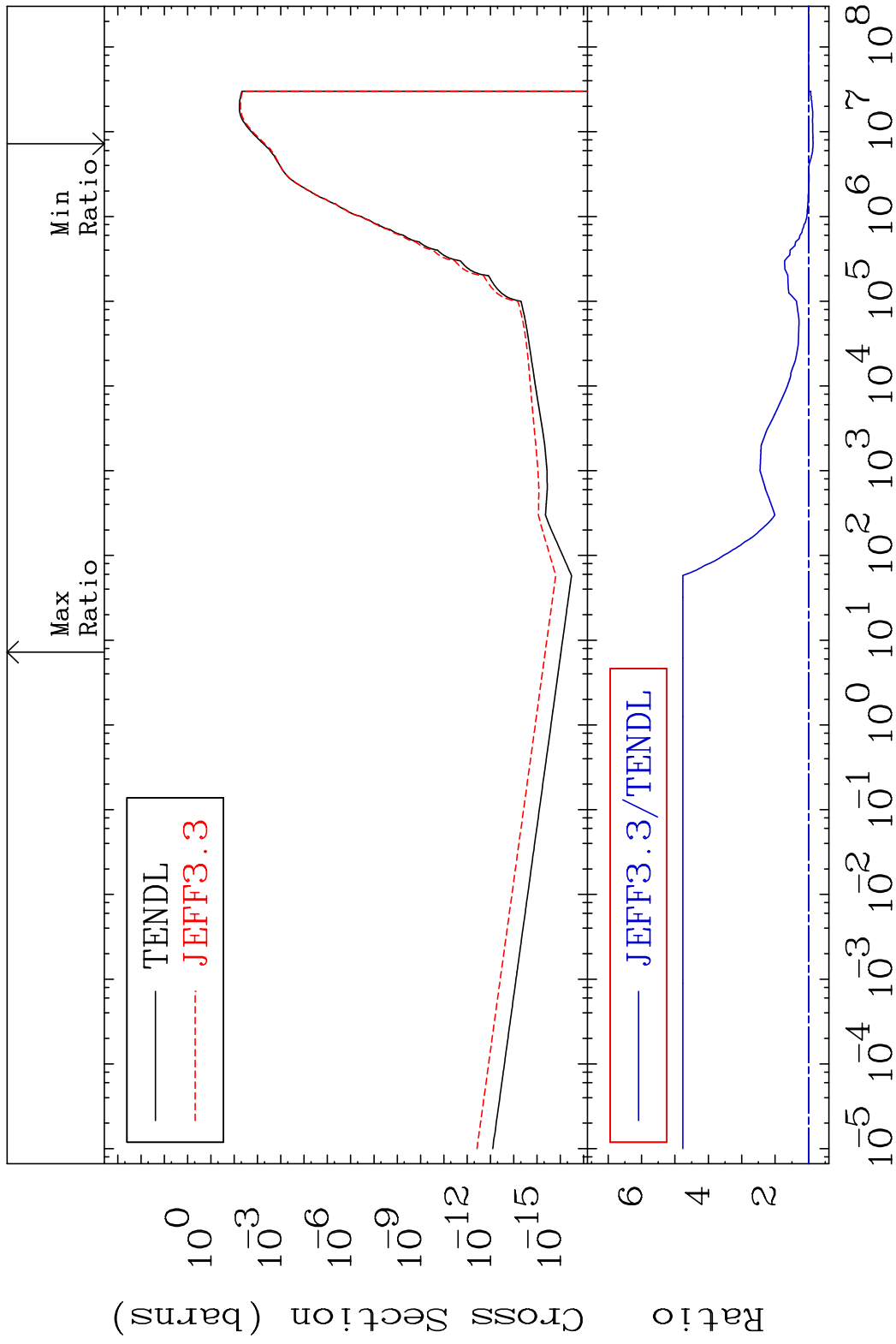
38-Sr-87

MAT 3834

(n, p)

38-Sr-87

Cross Section -13.70 To 376.5 %

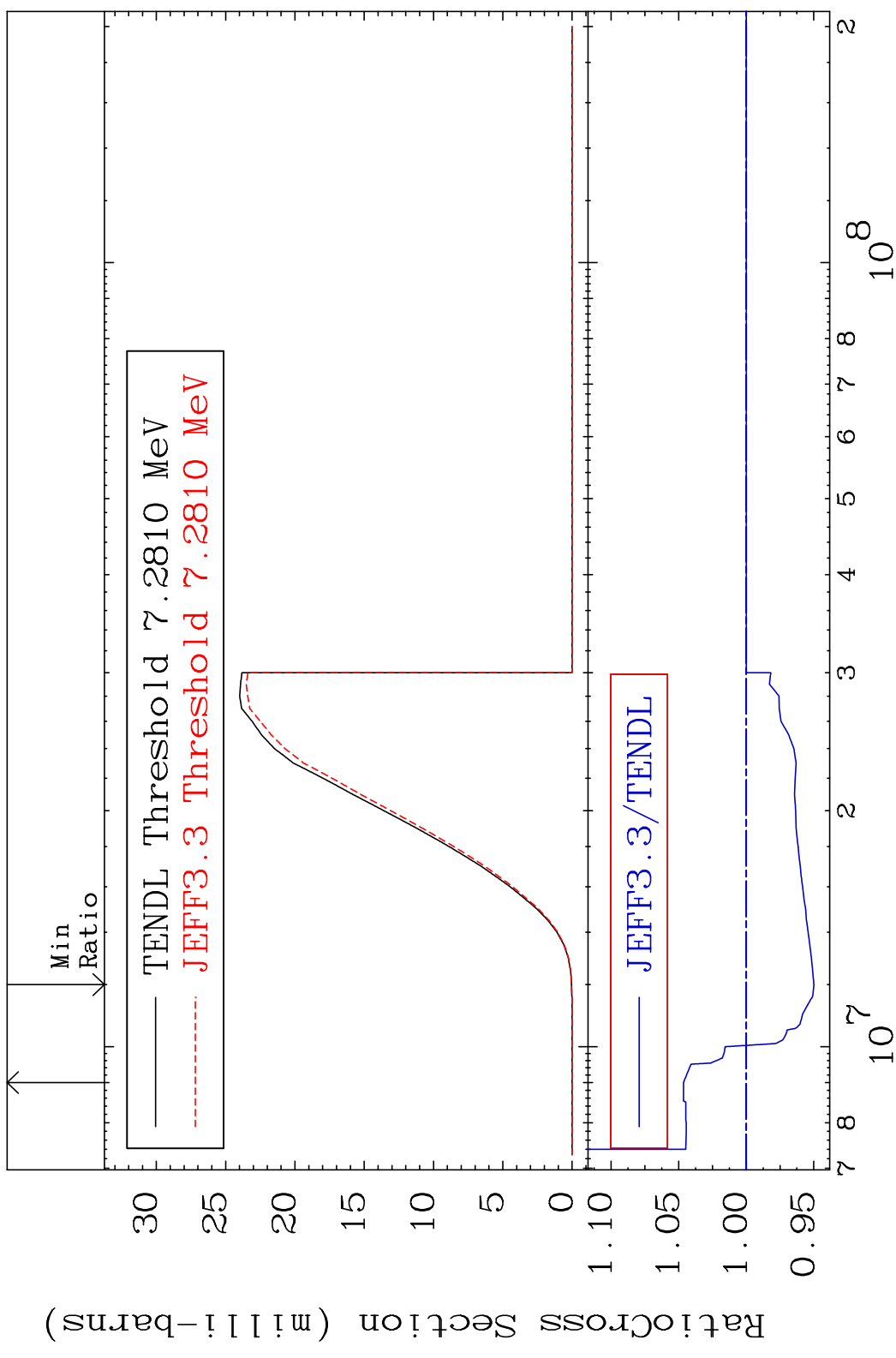


37

Incident Energy (eV)

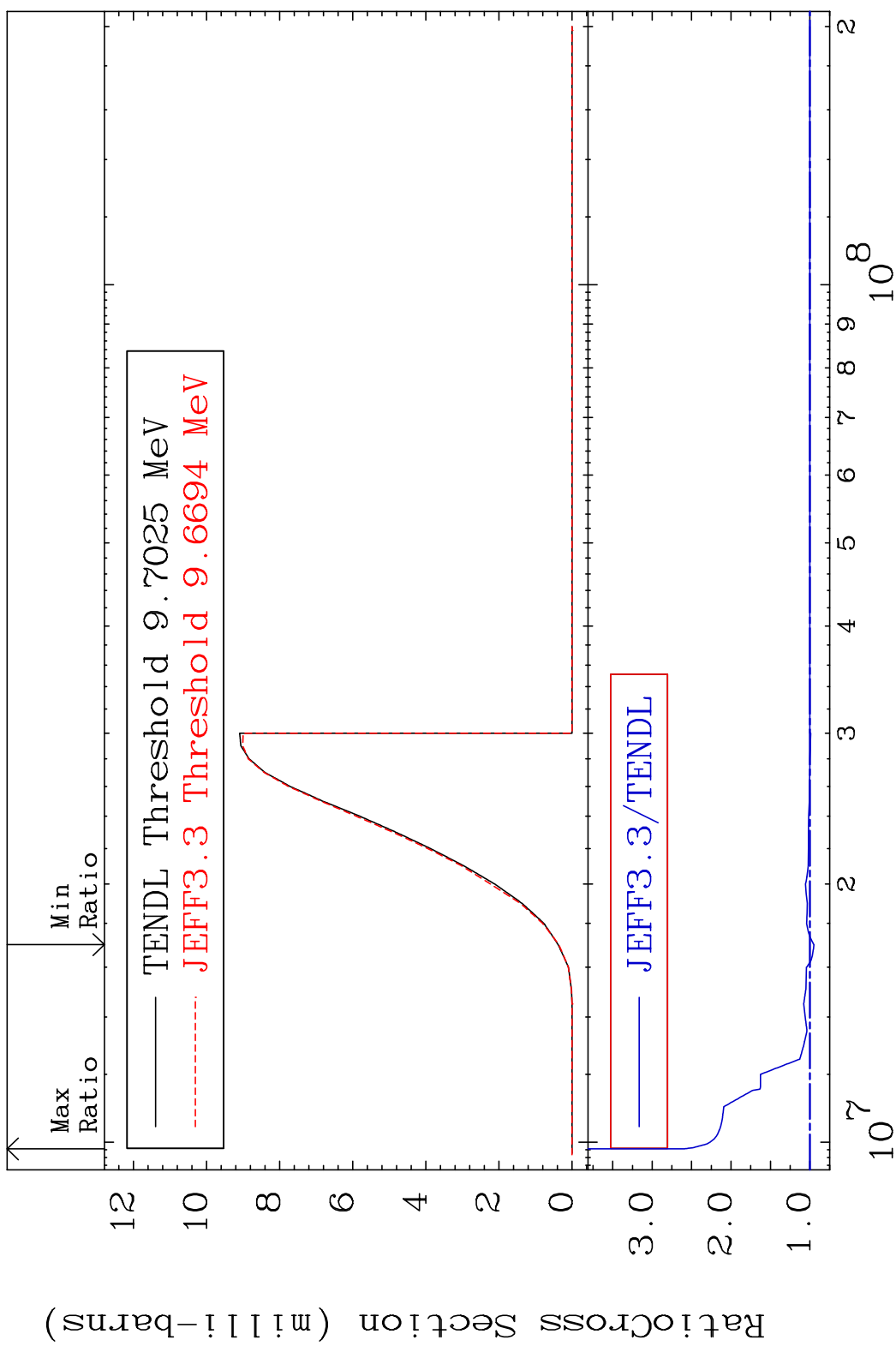
38-Sr-87

MAT 3834 (n, d) 38-Sr-87  
 Cross Section -5.007 To 4.645 %



38 Incident Energy (eV) 38-Sr-87

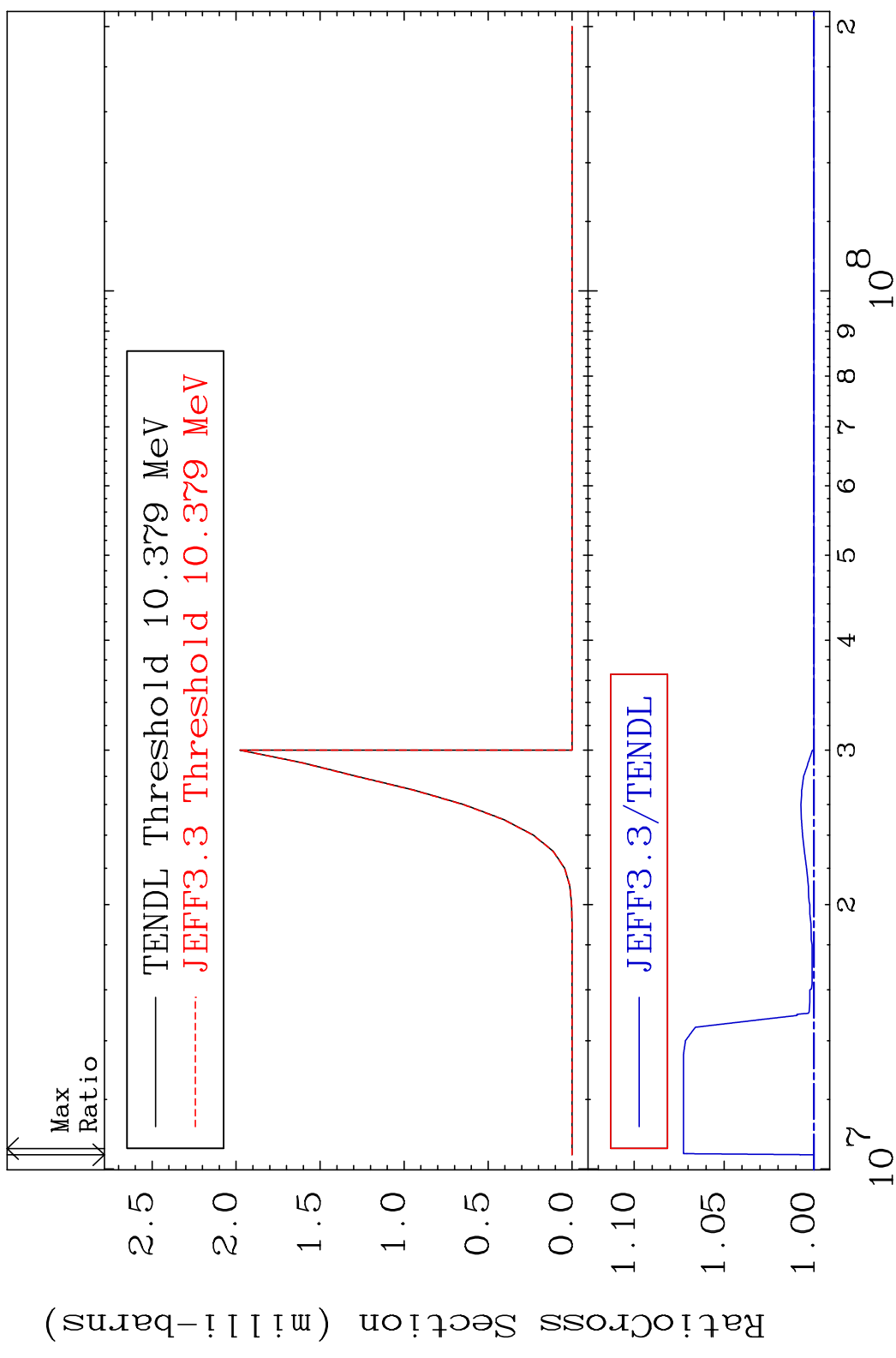
MAT 3834 (n, t) 38-Sr-87  
 Cross Section -5.012 To 160.3 %



39 38-Sr-87



MAT 3834 (n, He-3) 38-Sr-87  
 Cross Section 0.000 To 7.260 %



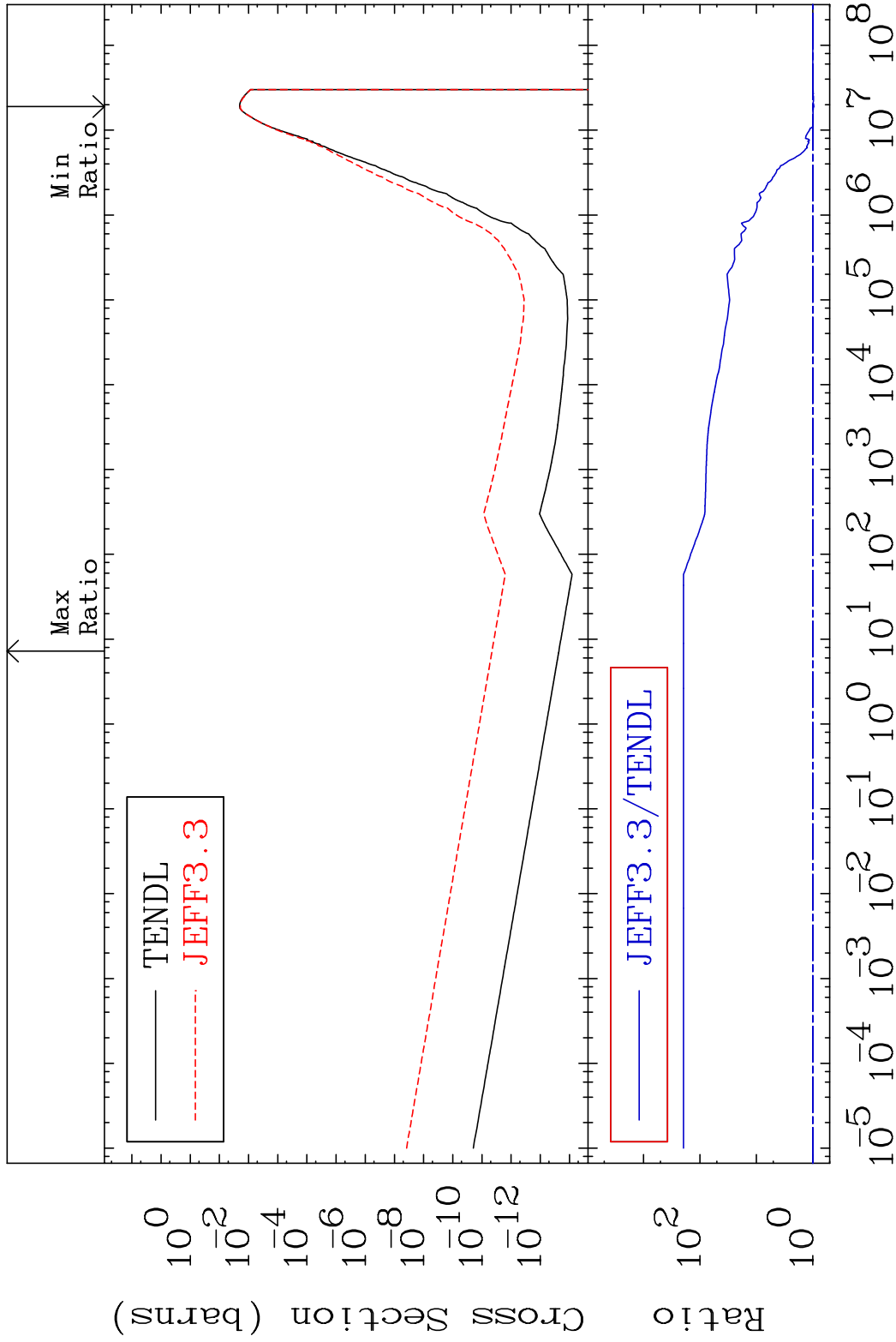
40 Incident Energy (eV) 38-Sr-87

MAT 3834

(n,  $\alpha$ )

38-Sr-87

Cross Section -4.515 To 9999. %



41

Incident Energy (eV)

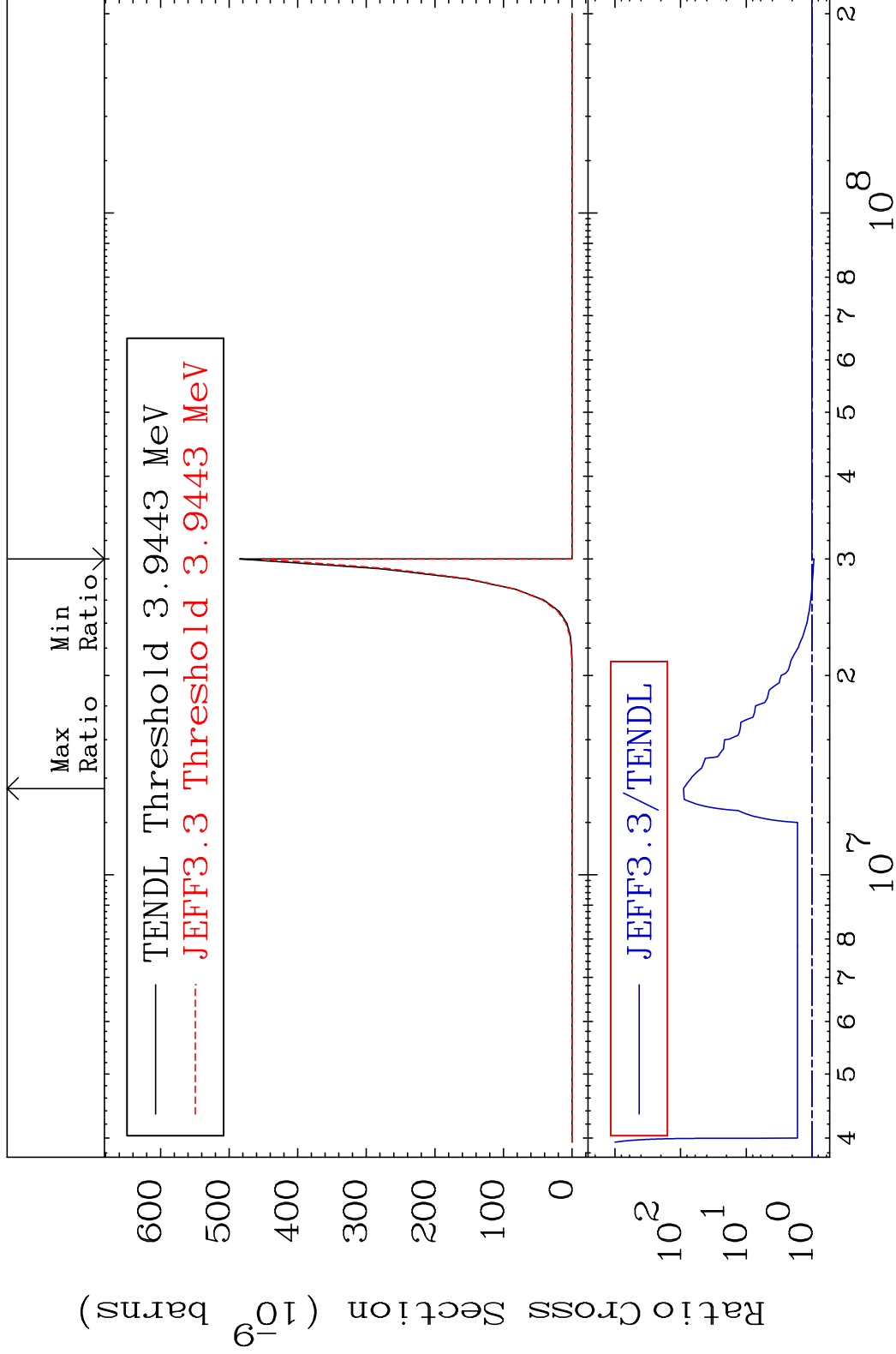
38-Sr-87

MAT 3834

(n,2α)

38-Sr-87

Cross Section -6.740 To 8938. %



42

Incident Energy (eV)

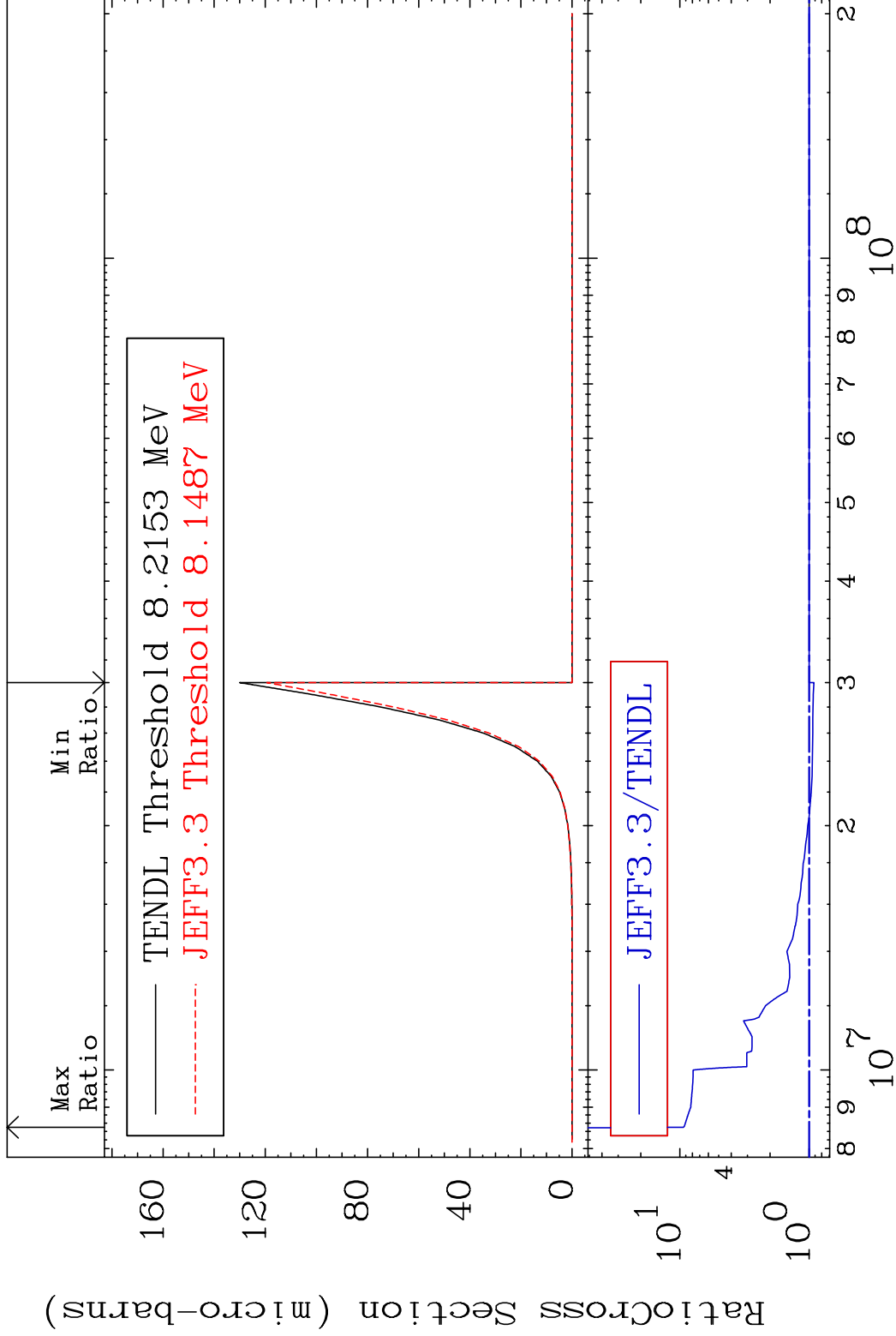
38-Sr-87

MAT 3834

(n,2p)

38-Sr-87

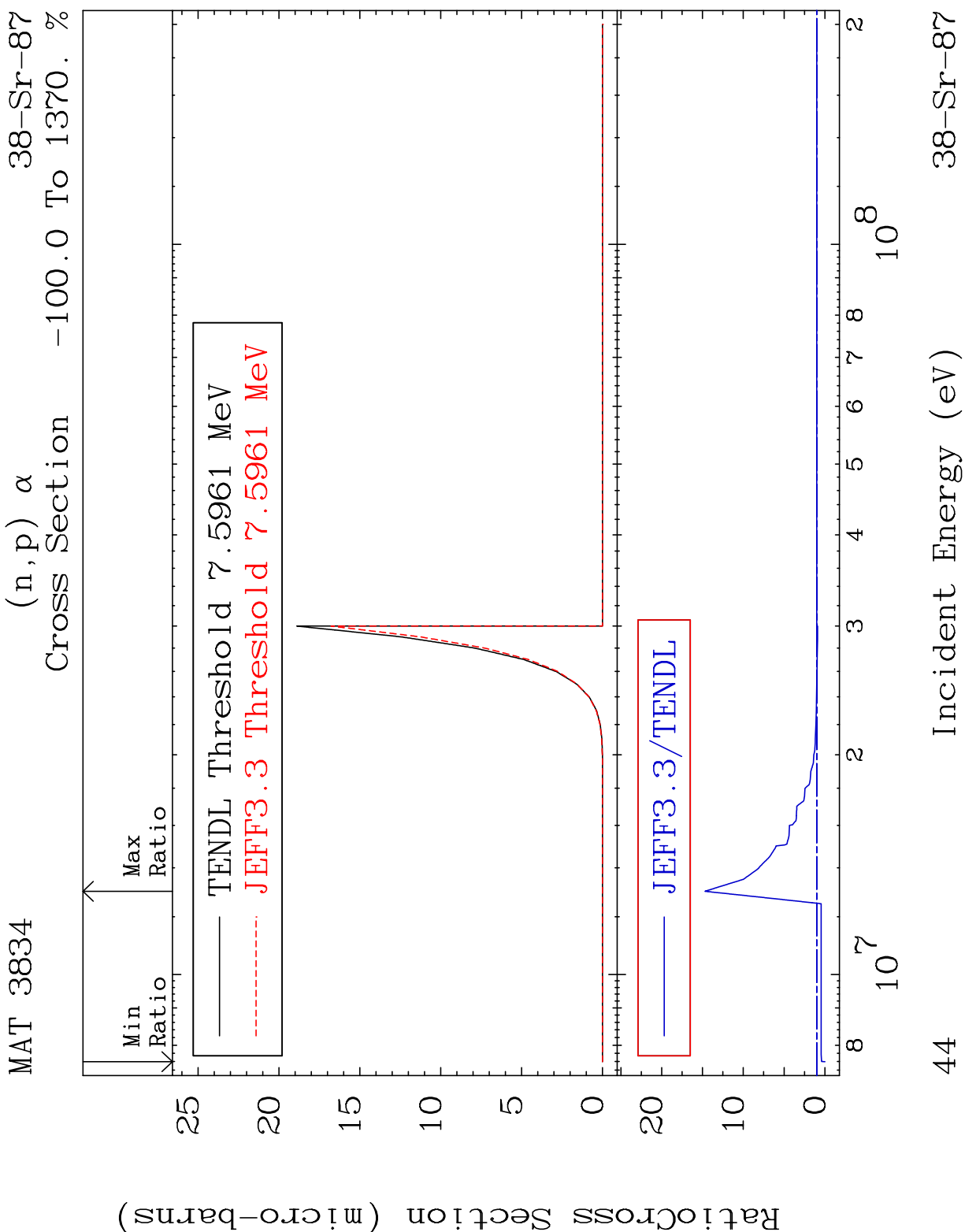
Cross Section -8.146 To 836.7 %



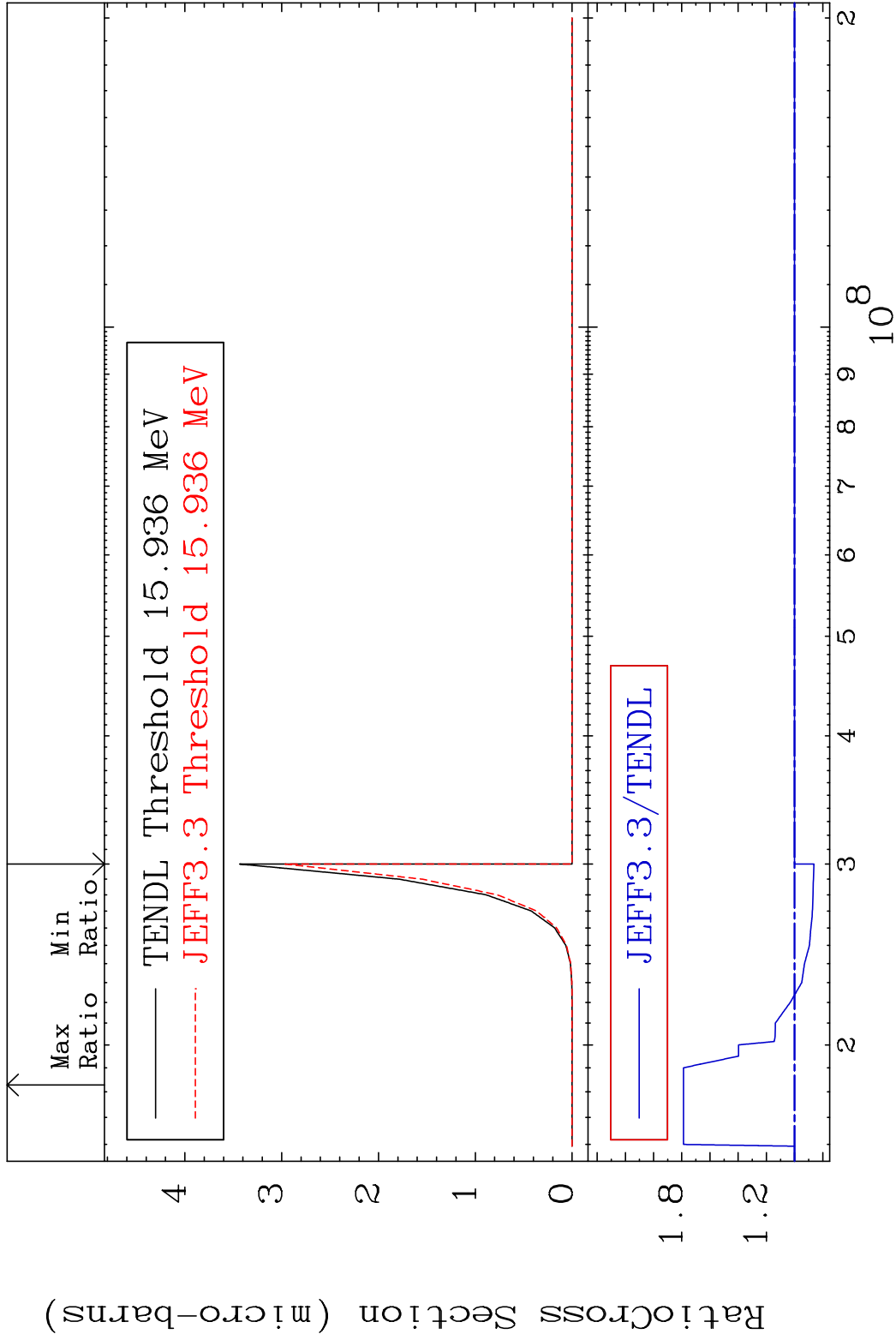
43

Incident Energy (eV)

38-Sr-87

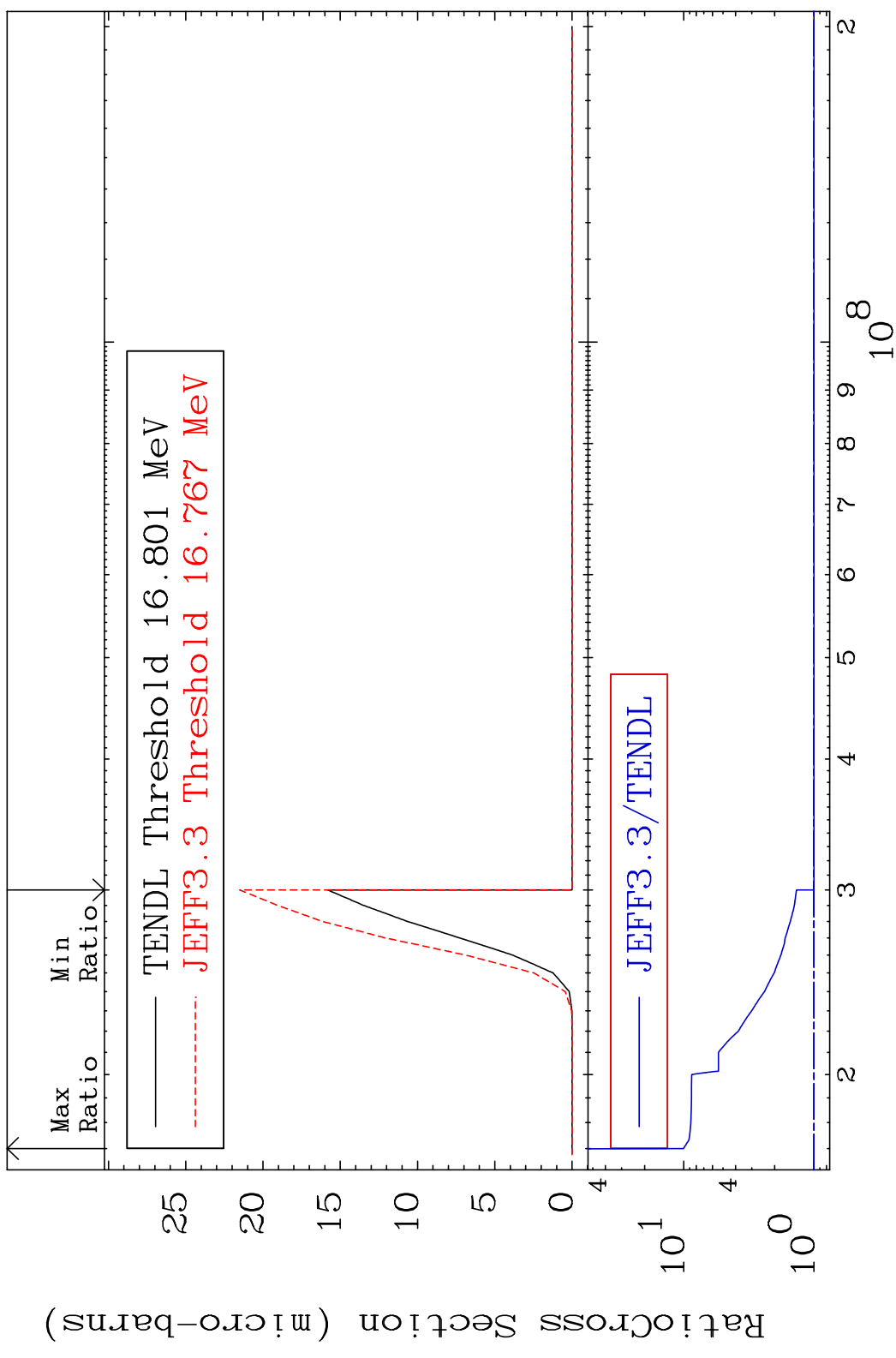


MAT 3834 (n,p) d 38-Sr-87  
 Cross Section -13.69 To 78.81 %



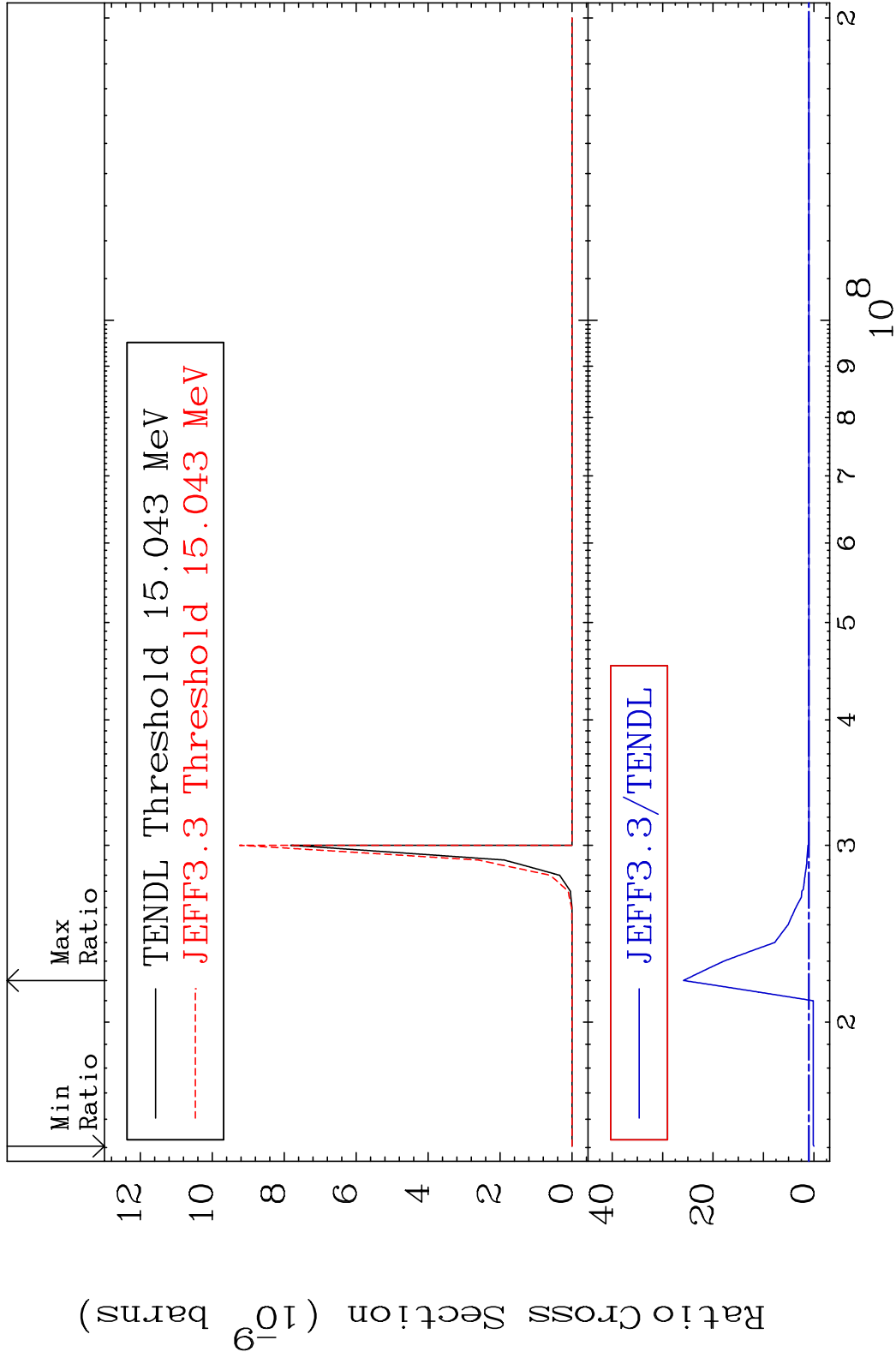
45 Incident Energy (eV) 38-Sr-87

MAT 3834 (n,p) t 38-Sr-87  
 Cross Section 0.000 To 904.9 %



46 Incident Energy (eV) 38-Sr-87

MAT 3834 (n, d)  $\alpha$  38-Sr-87  
 Cross Section -100.0 To 2487. %



47 Incident Energy (eV) 38-Sr-87

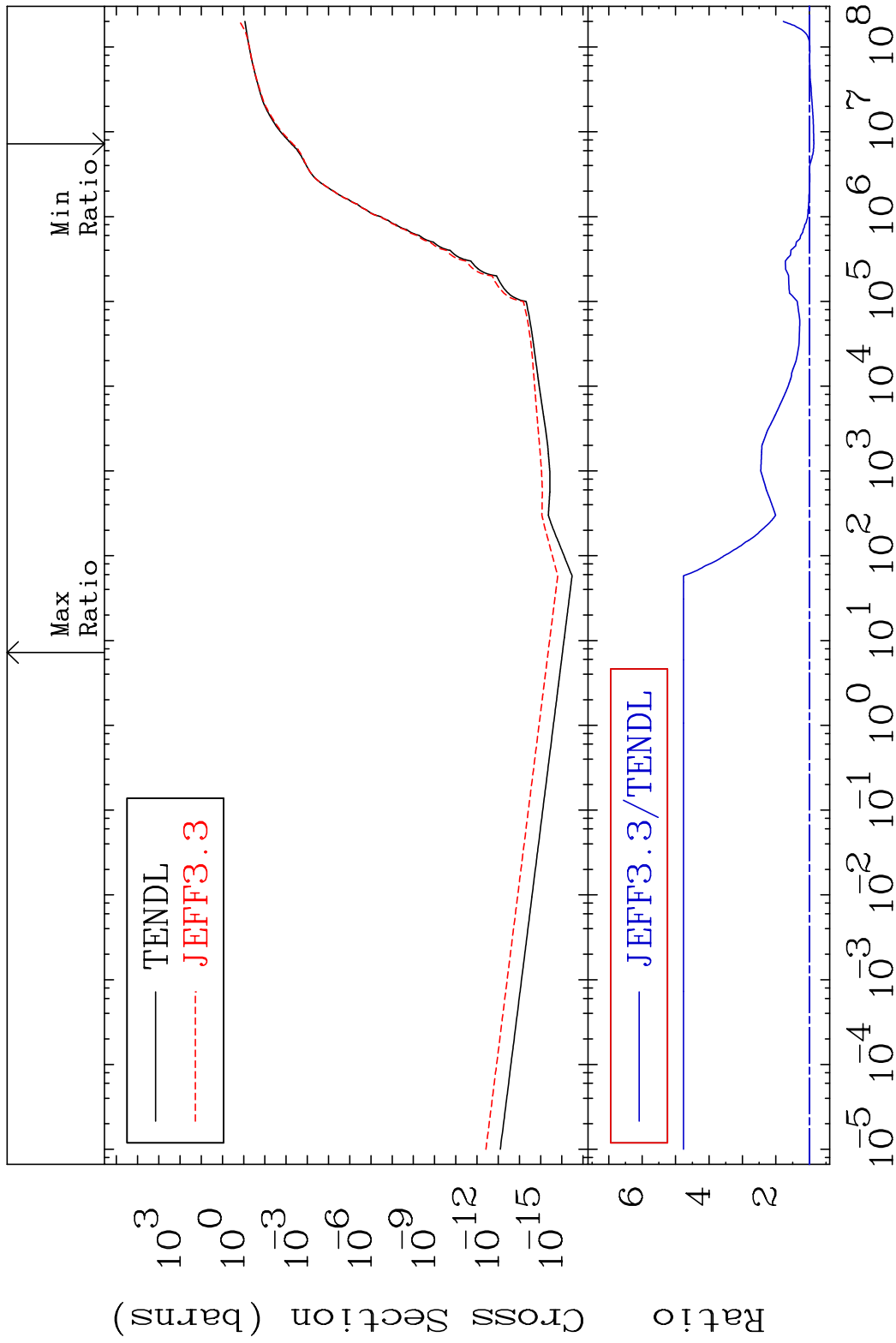


MAT 3834

Hydrogen Production

38-Sr-87

Cross Section -13.70 To 376.5 %

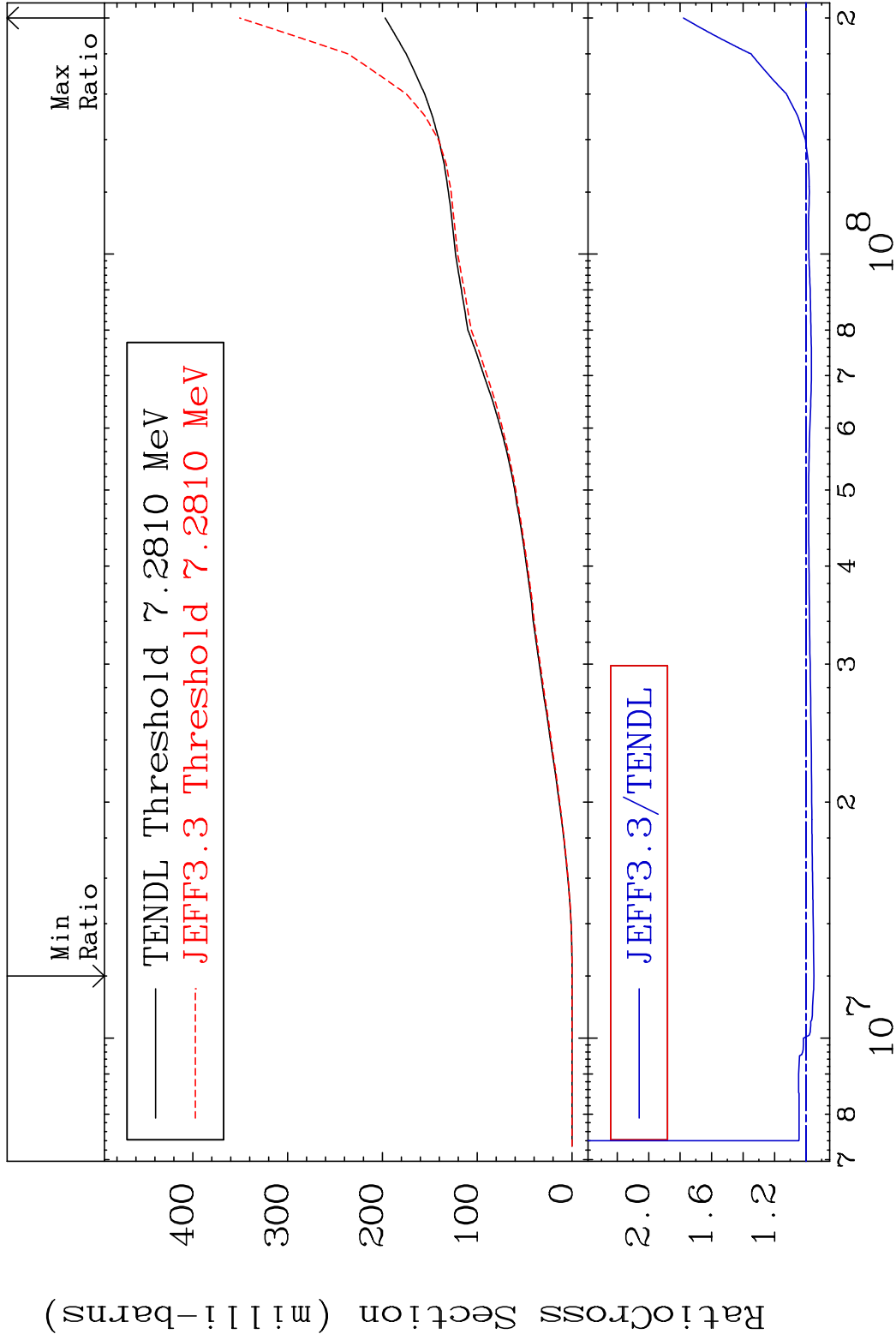


48

Incident Energy (eV)

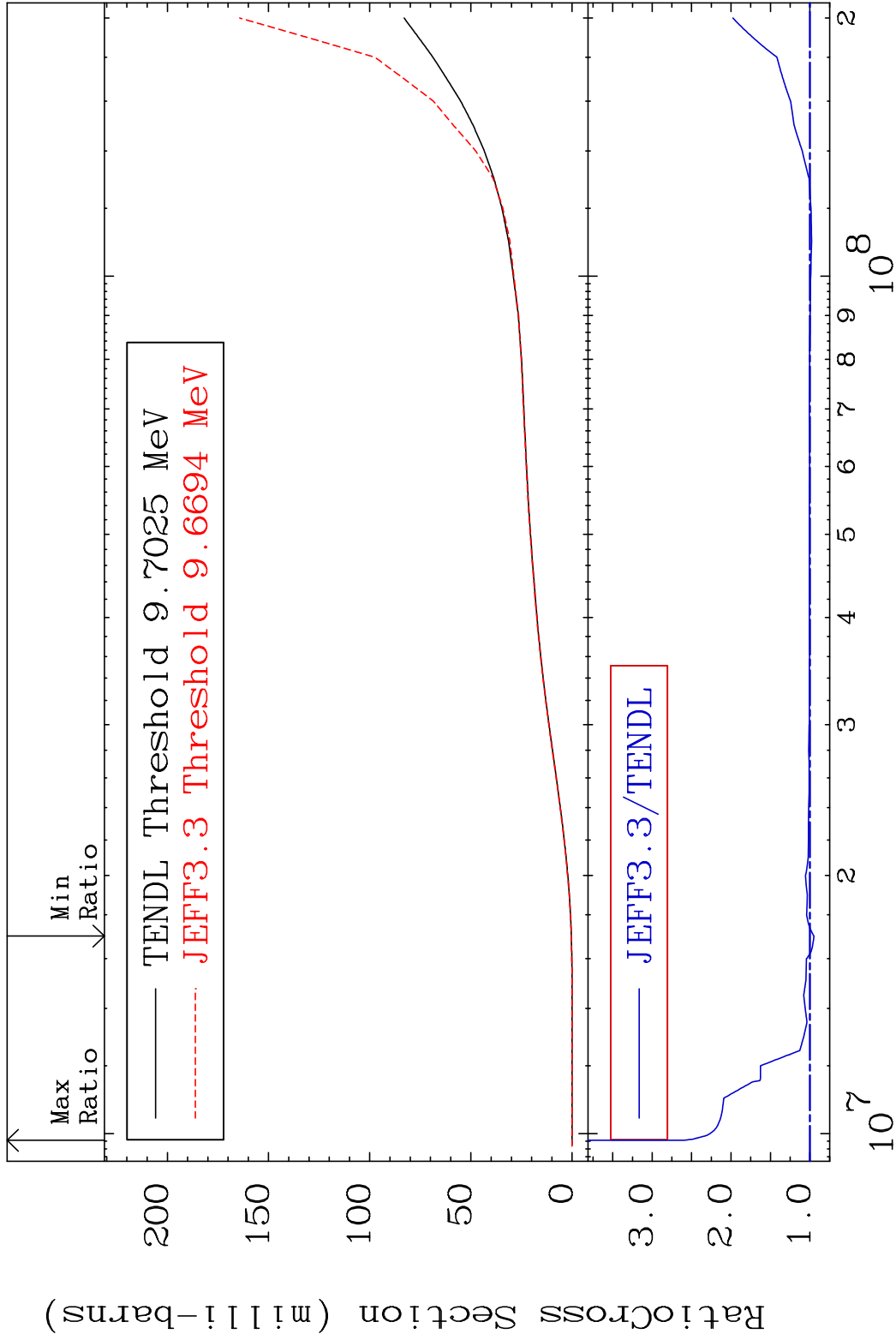
38-Sr-87

MAT 3834 Deuterium Production 38-Sr-87  
 Cross Section -5.007 To 77.88 %



49 38-Sr-87

MAT 3834 Tritium Production 38-Sr-87  
 Cross Section -5.012 To 160.3 %



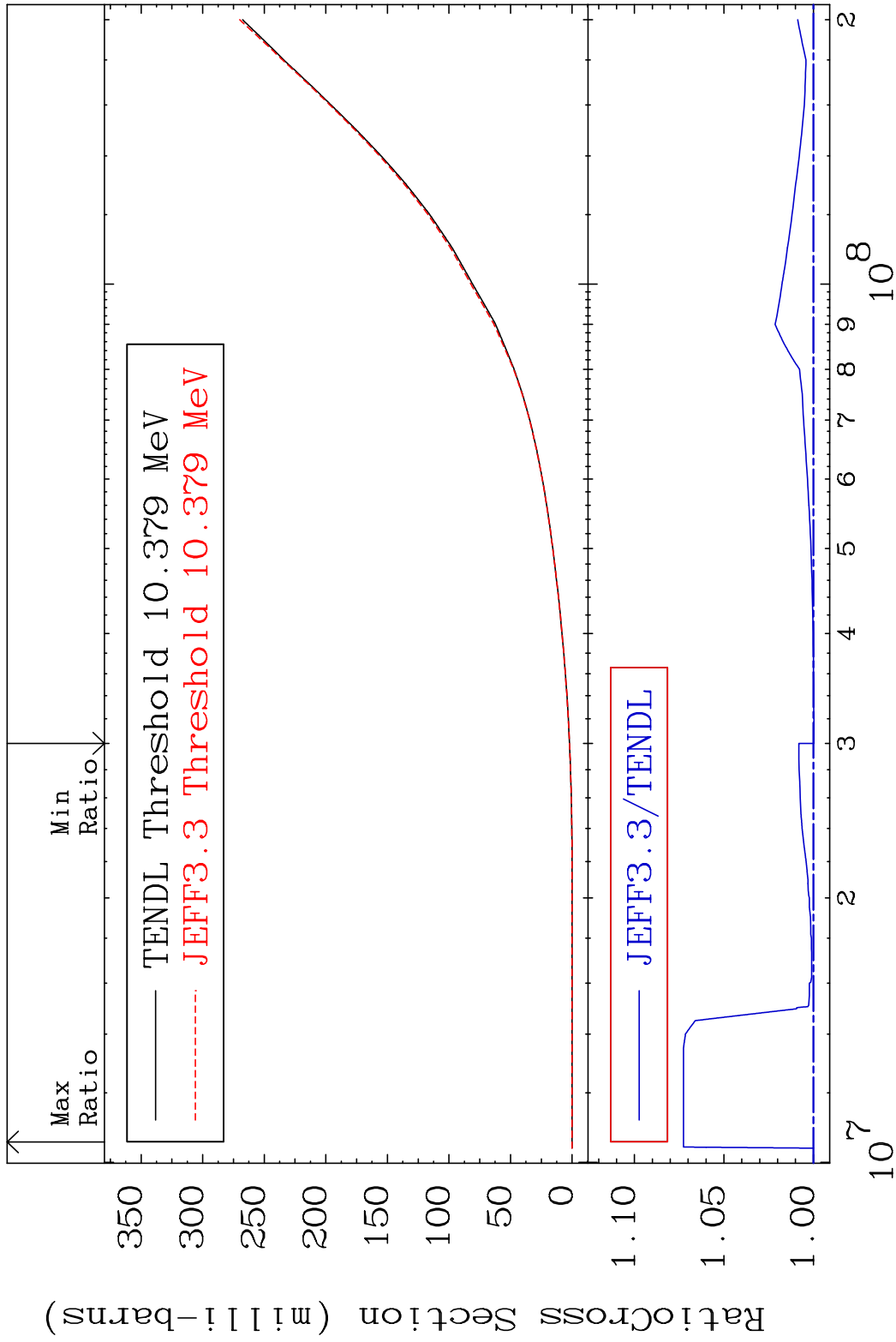
50 38-Sr-87

MAT 3834

He-3 Production

38-Sr-87

Cross Section -0.027 To 7.260 %



51

Incident Energy (eV)

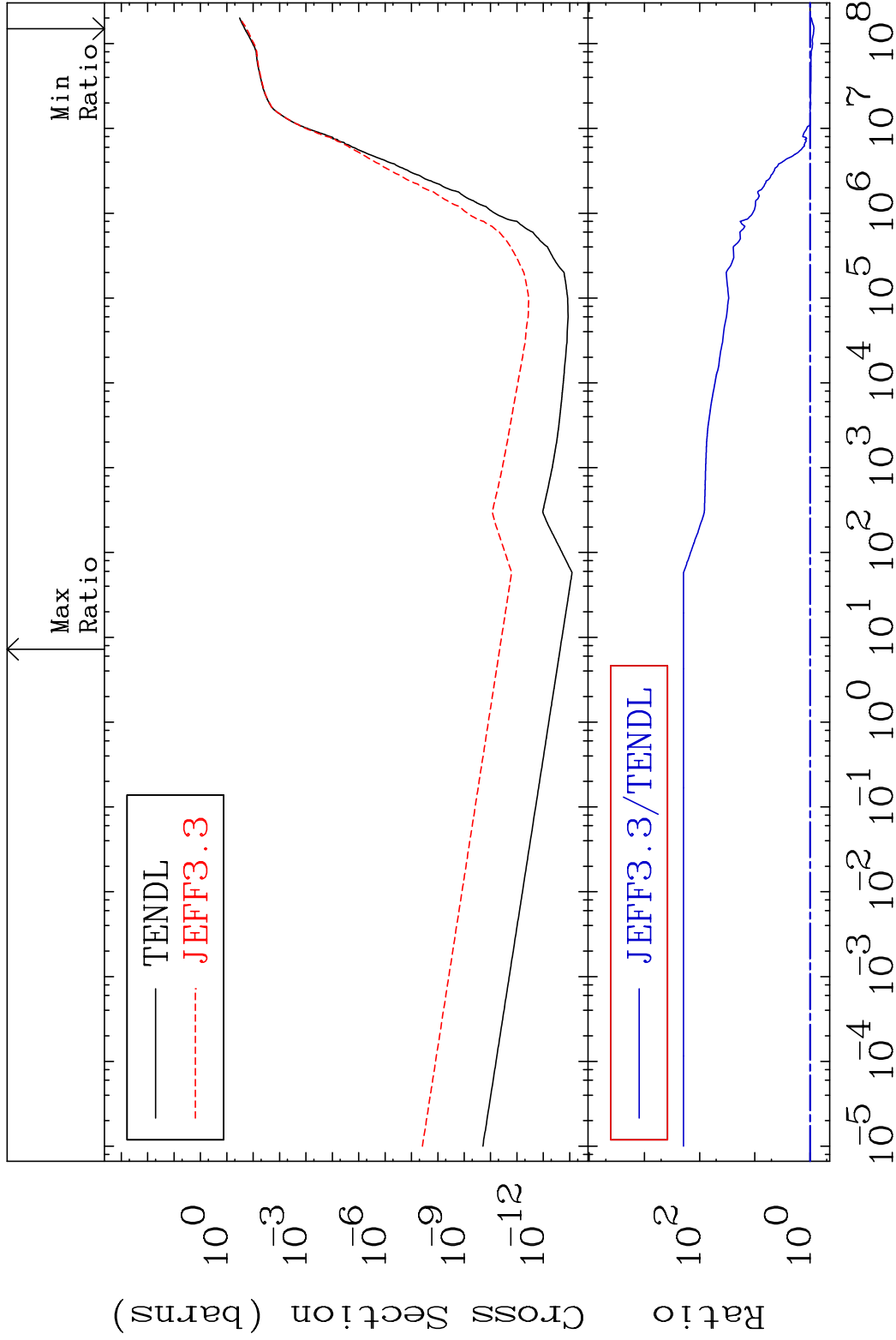
38-Sr-87

MAT 3834

He-4 Production

38-Sr-87

Cross Section -14.87 To 9999. %

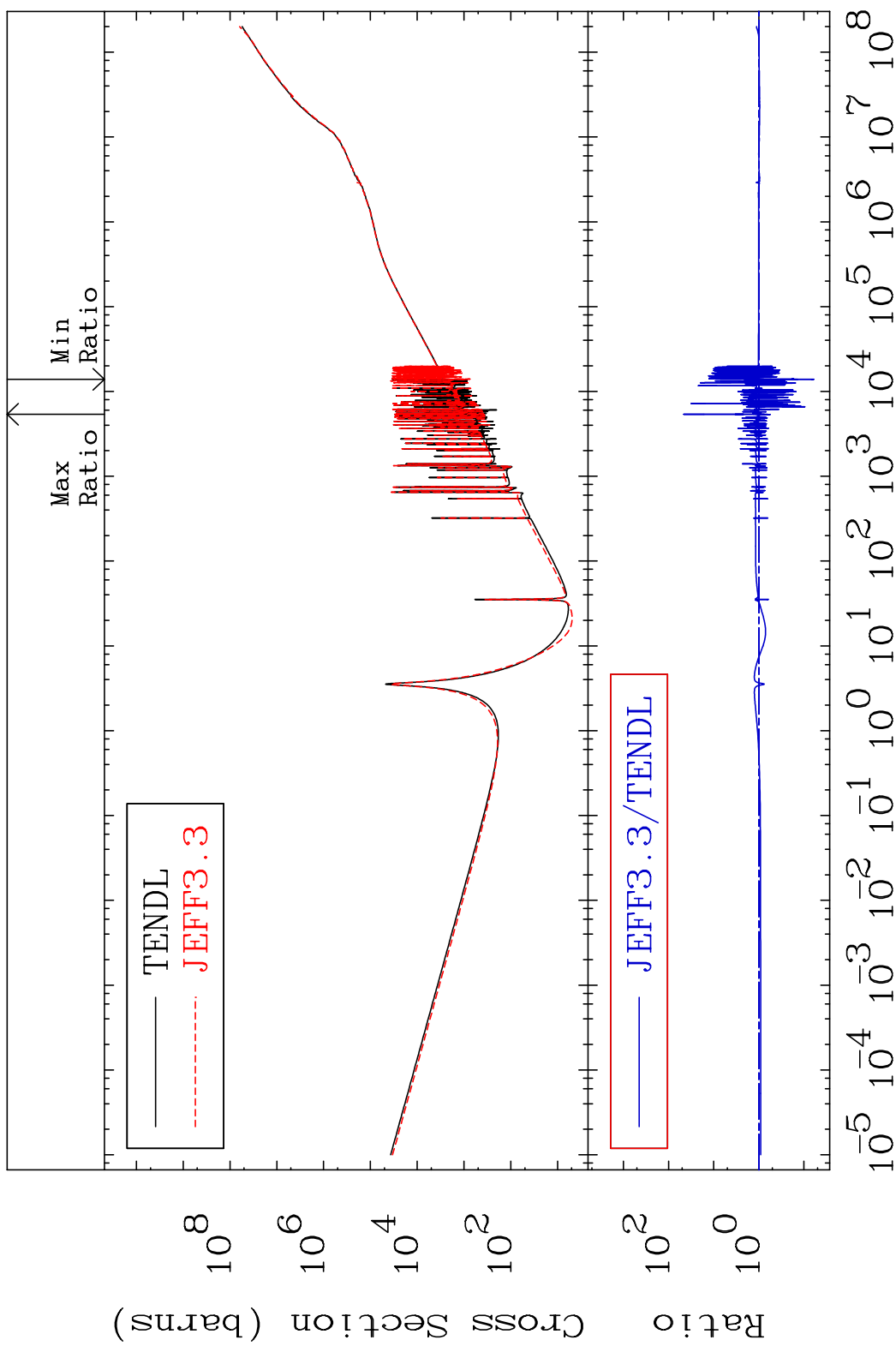


52

Incident Energy (eV)

38-Sr-87

MAT 3834 Kerma total (eV-barns) 38-Sr-87  
 Cross Section -93.98 To 4570. %

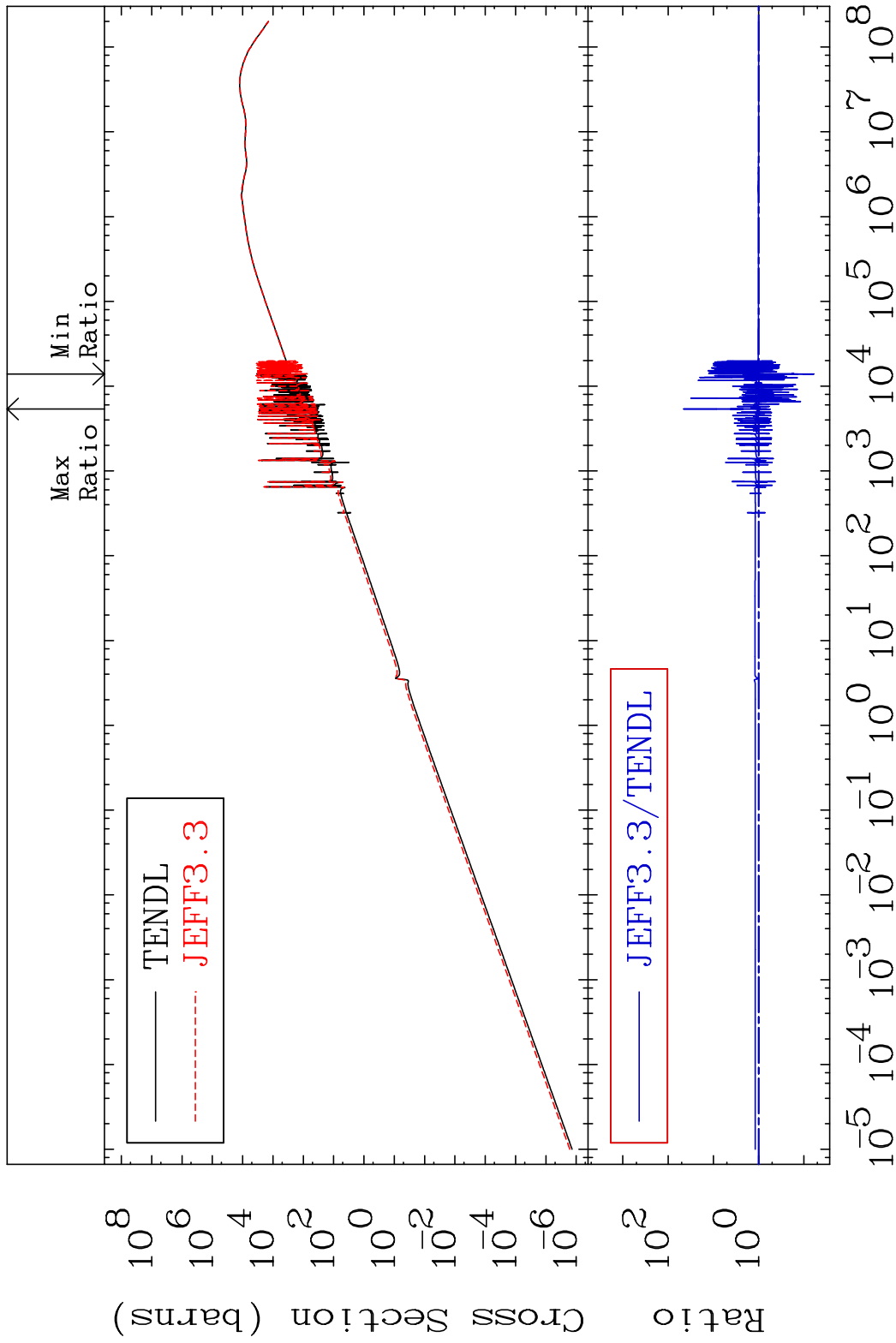


53 Incident Energy (eV) 38-Sr-87

MAT 3834

Kerma elastic  
Cross Section

38-Sr-87  
-94.00 To 4473. %

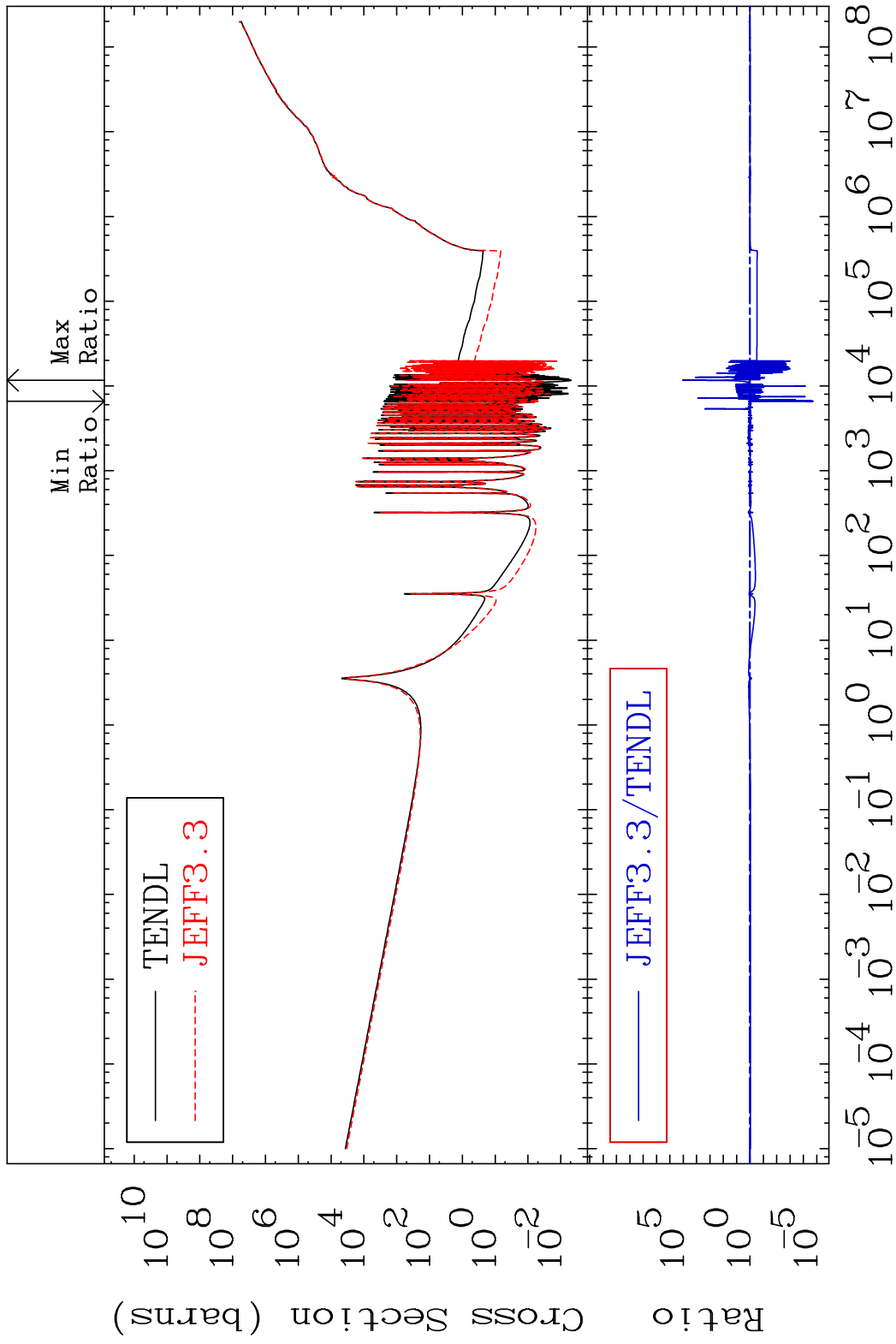


54

Incident Energy (eV)

38-Sr-87

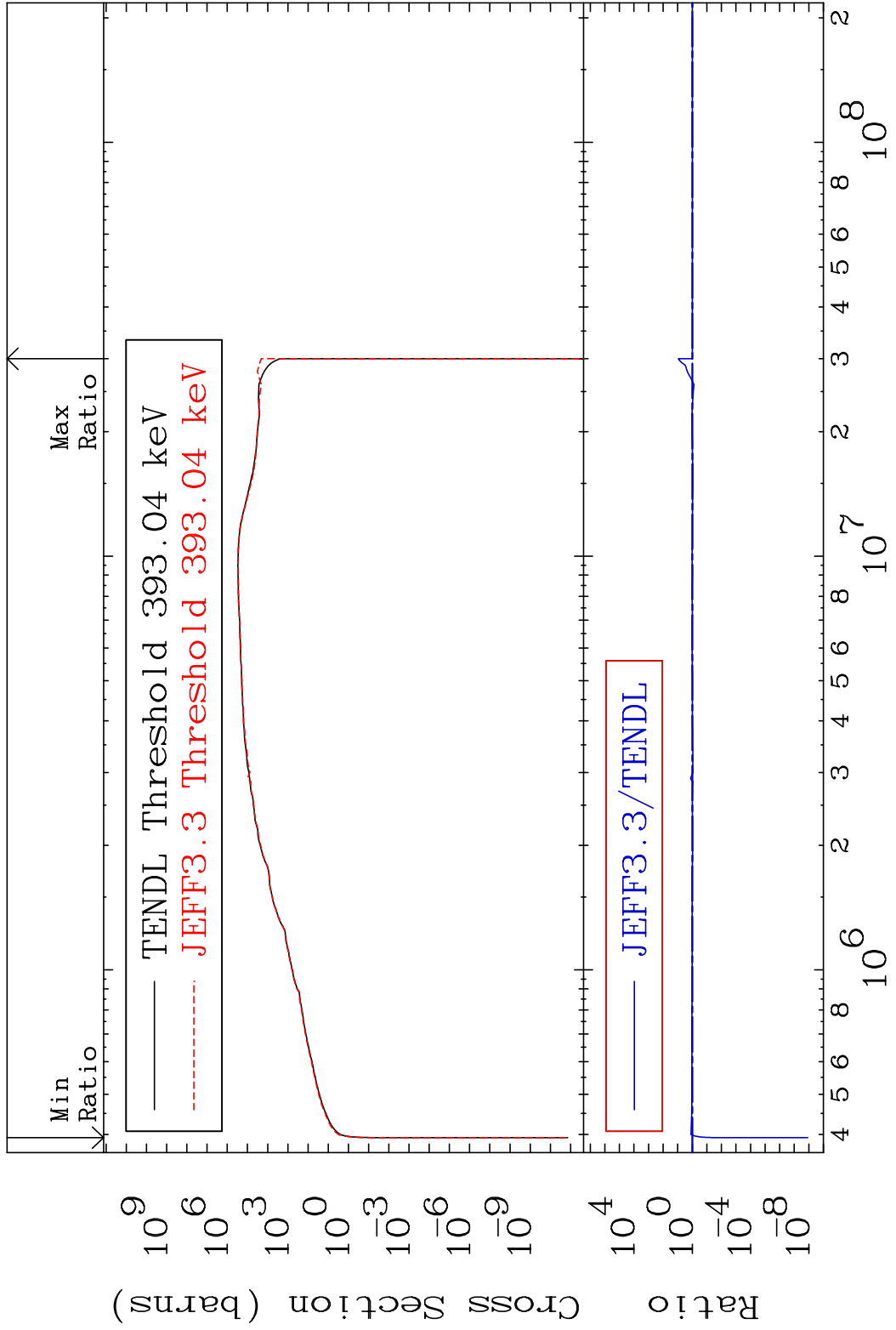
MAT 3834 Kerma non-elastic (all but mt2) 38-Sr-87  
 Cross Section -100.0 To 9999. %



55 Incident Energy (eV) 38-Sr-87

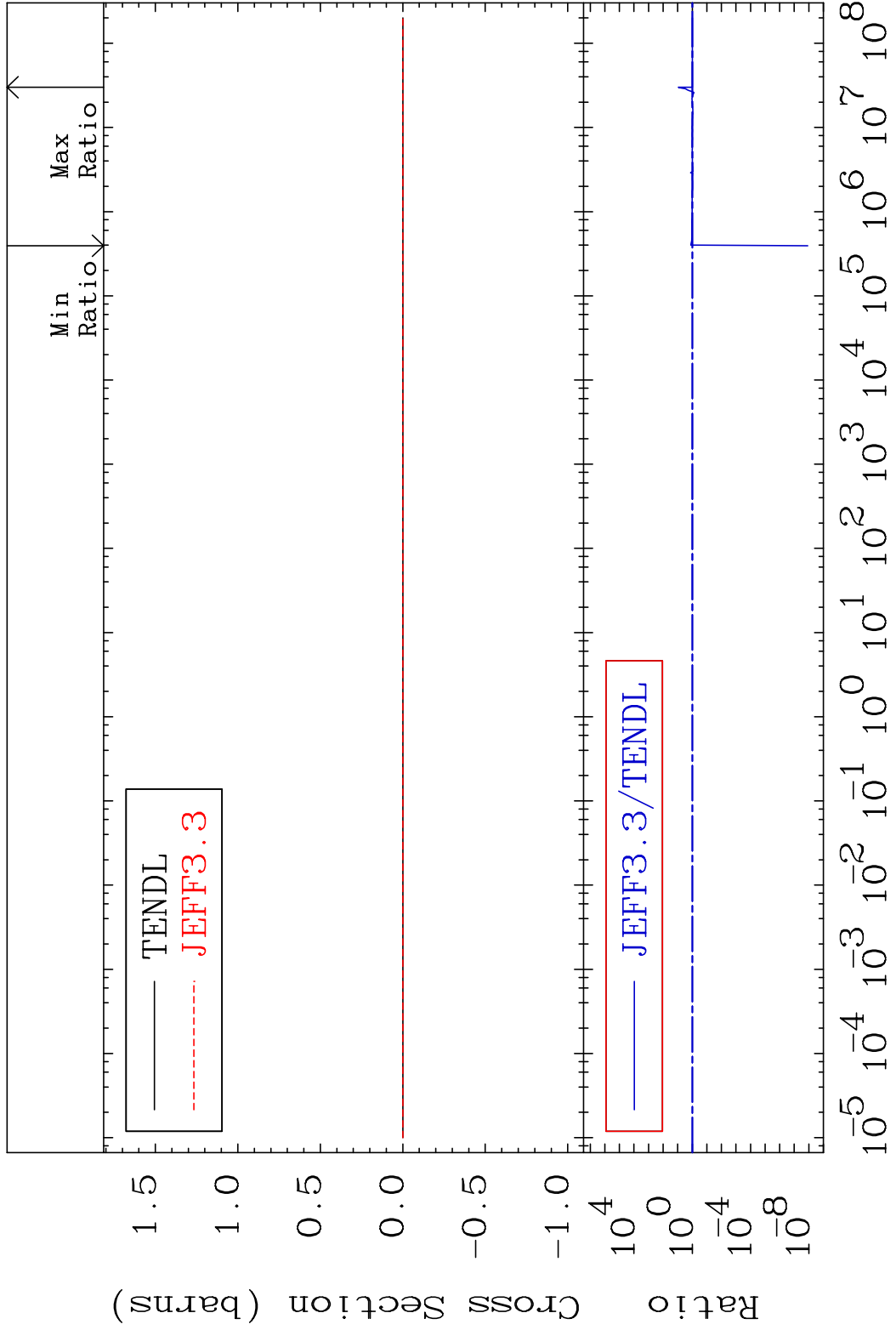


MAT 3834 Kerma inelastic (mt51-91) 38-Sr-87  
 Cross Section -100.0 To 812.3 %

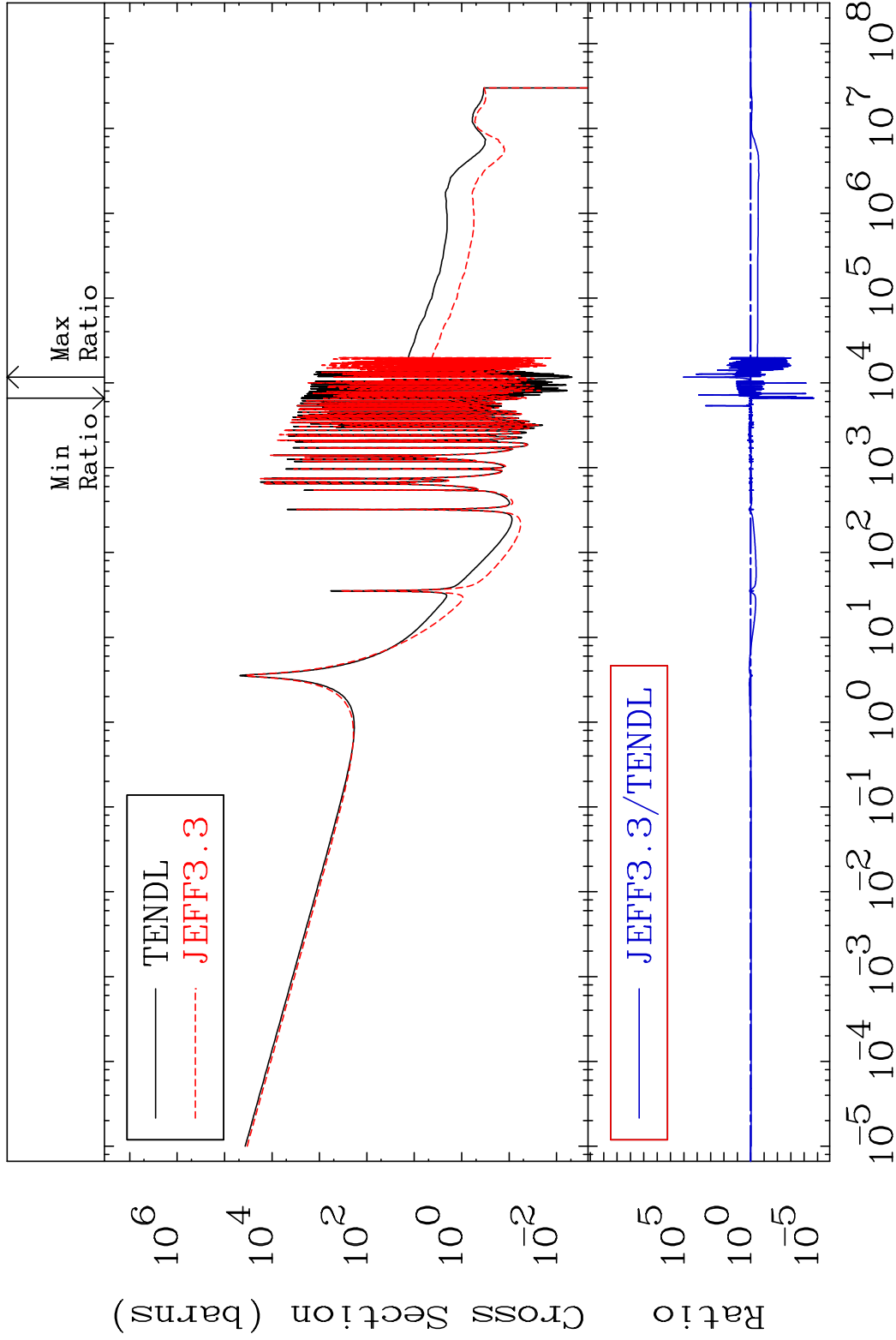


56 Incident Energy (eV) 38-Sr-87

MAT 3834 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-87  
 Cross Section -100.0 To 812.3 %

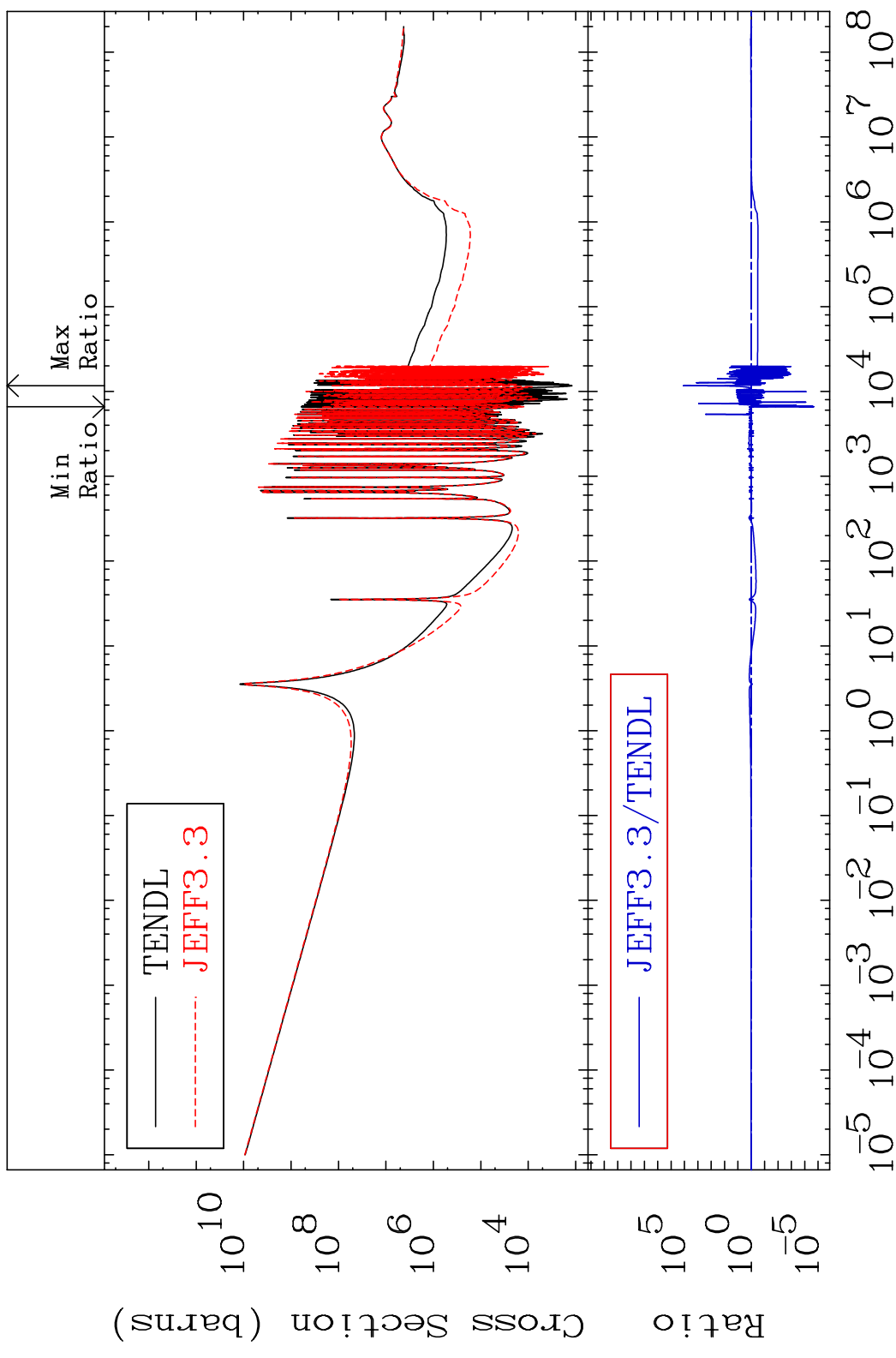


MAT 3834 Kerma capture (mt102) 38-Sr-87  
 Cross Section -100.0 To 9999. %



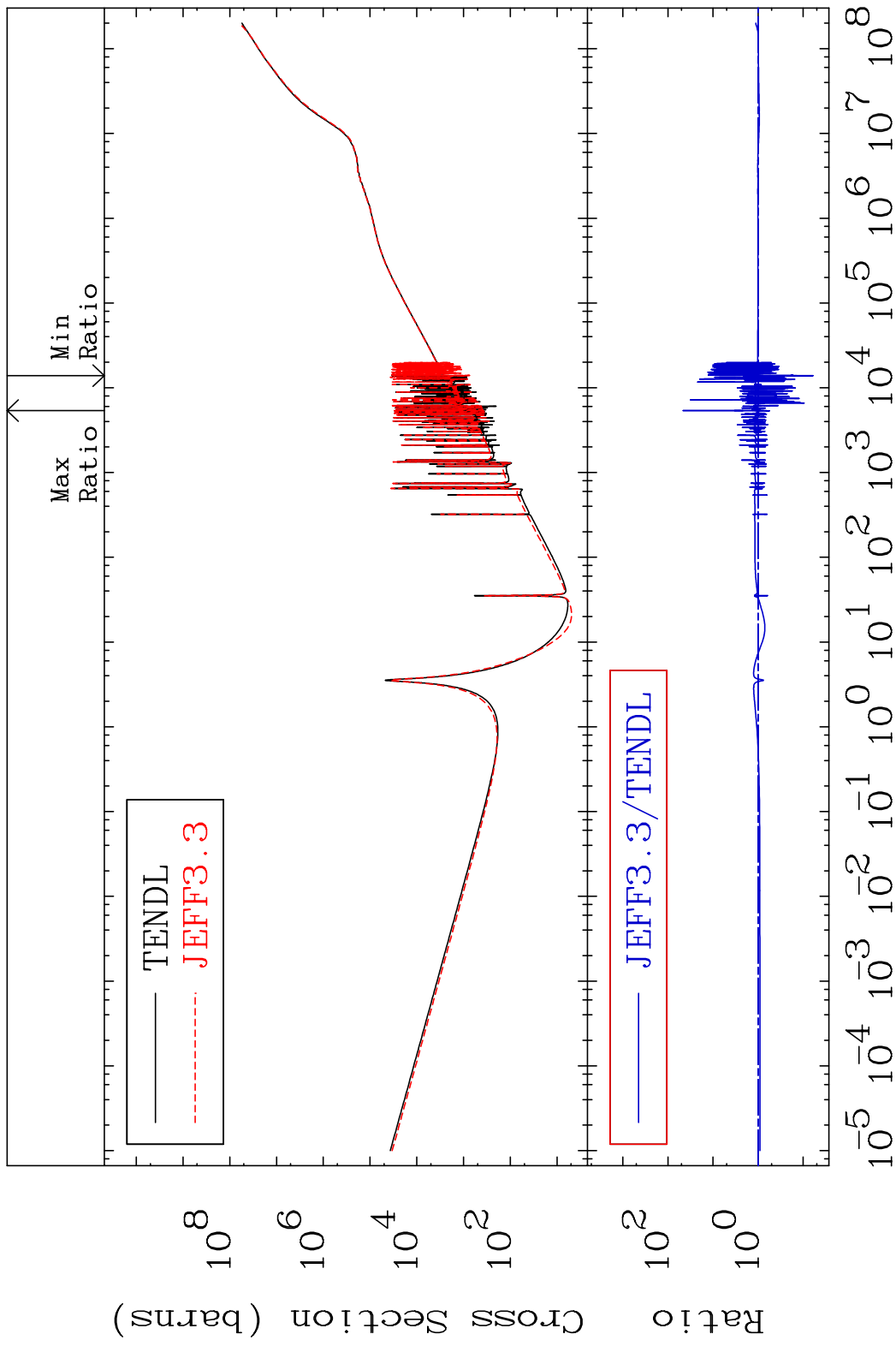
58 Incident Energy (eV) 38-Sr-87

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

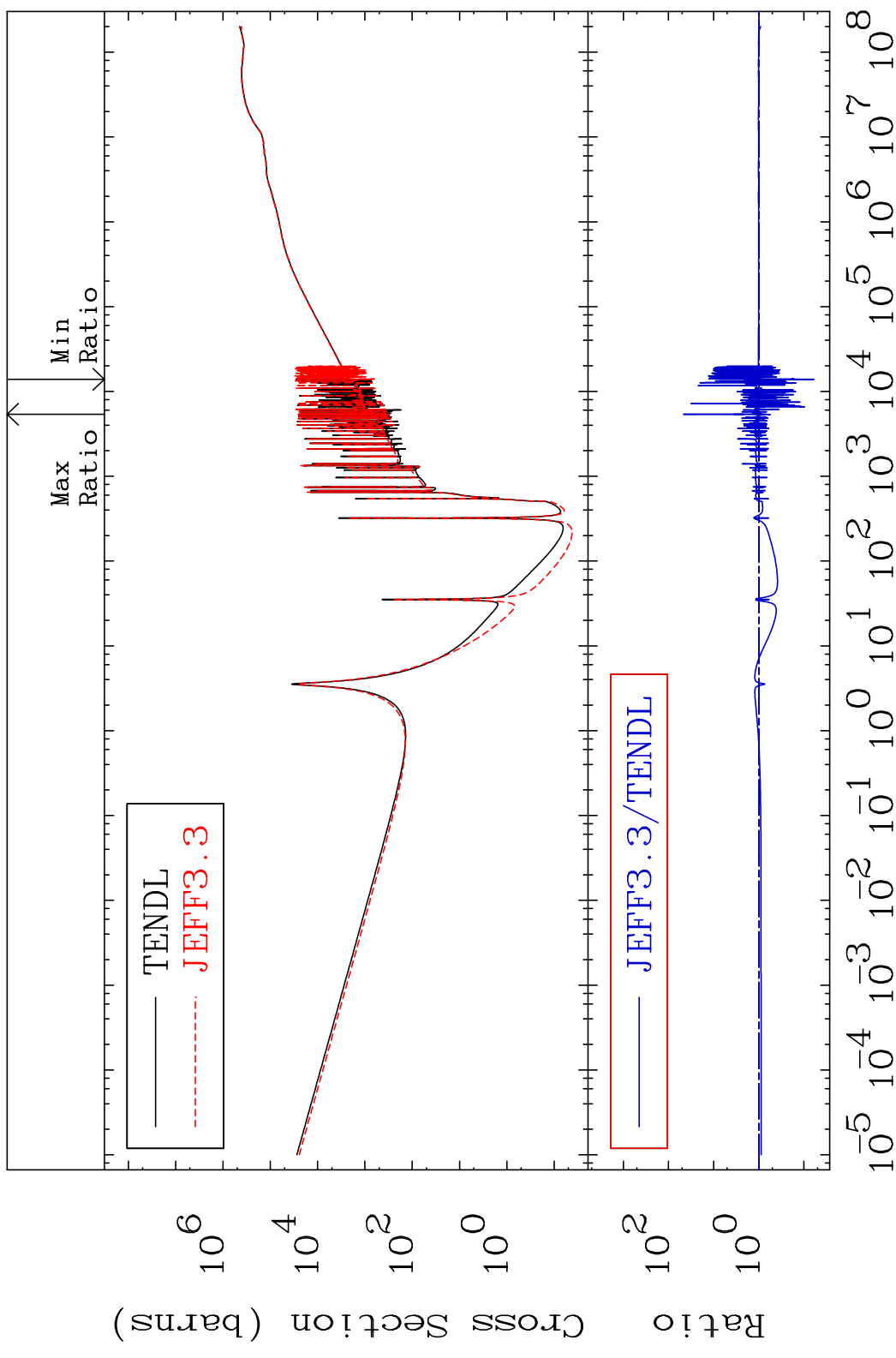


59 Incident Energy (eV) 38-Sr-87

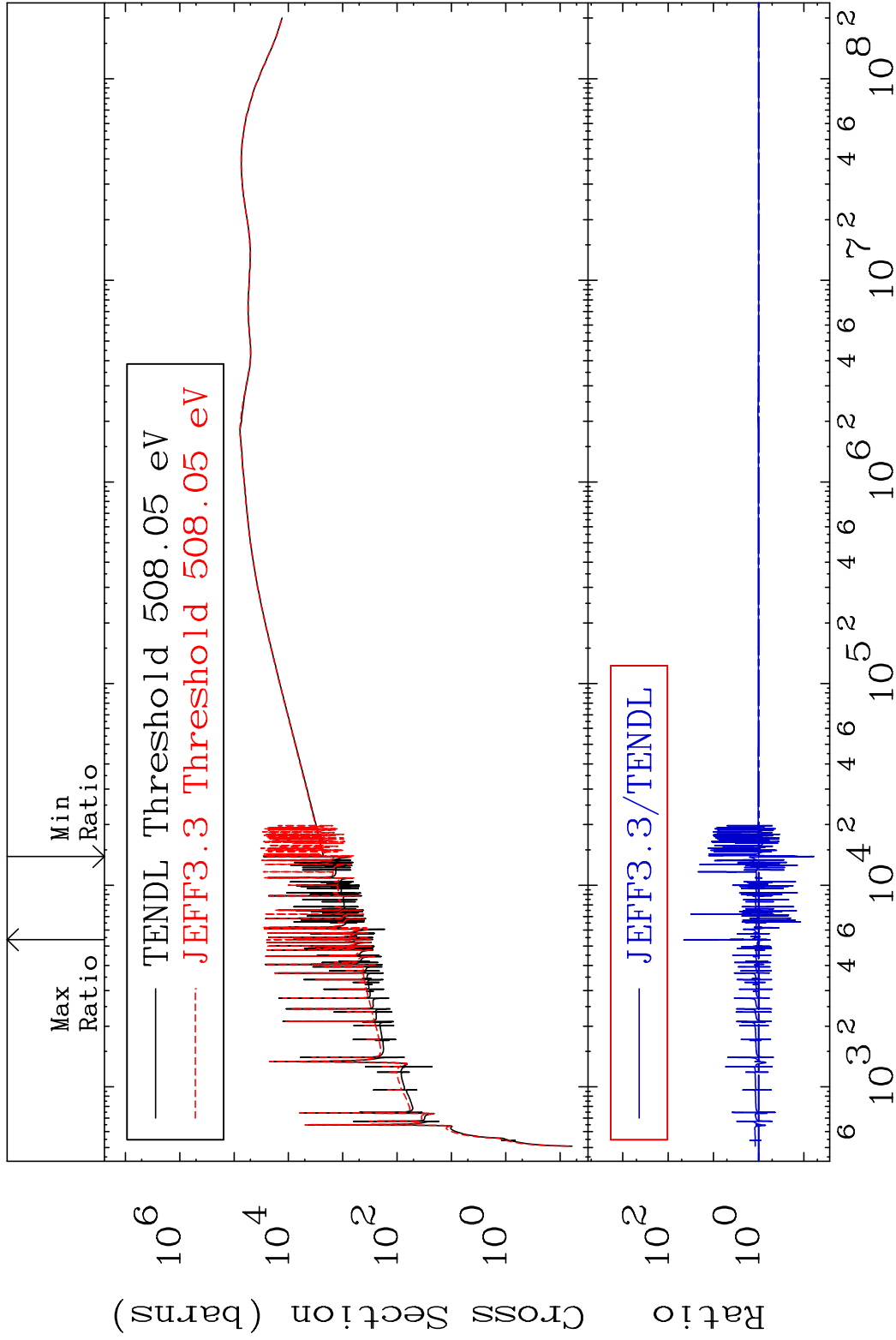
MAT 3834 Total kinematic kerma (high limit) 38-Sr-87  
Cross Section -93.98 To 4570. %



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

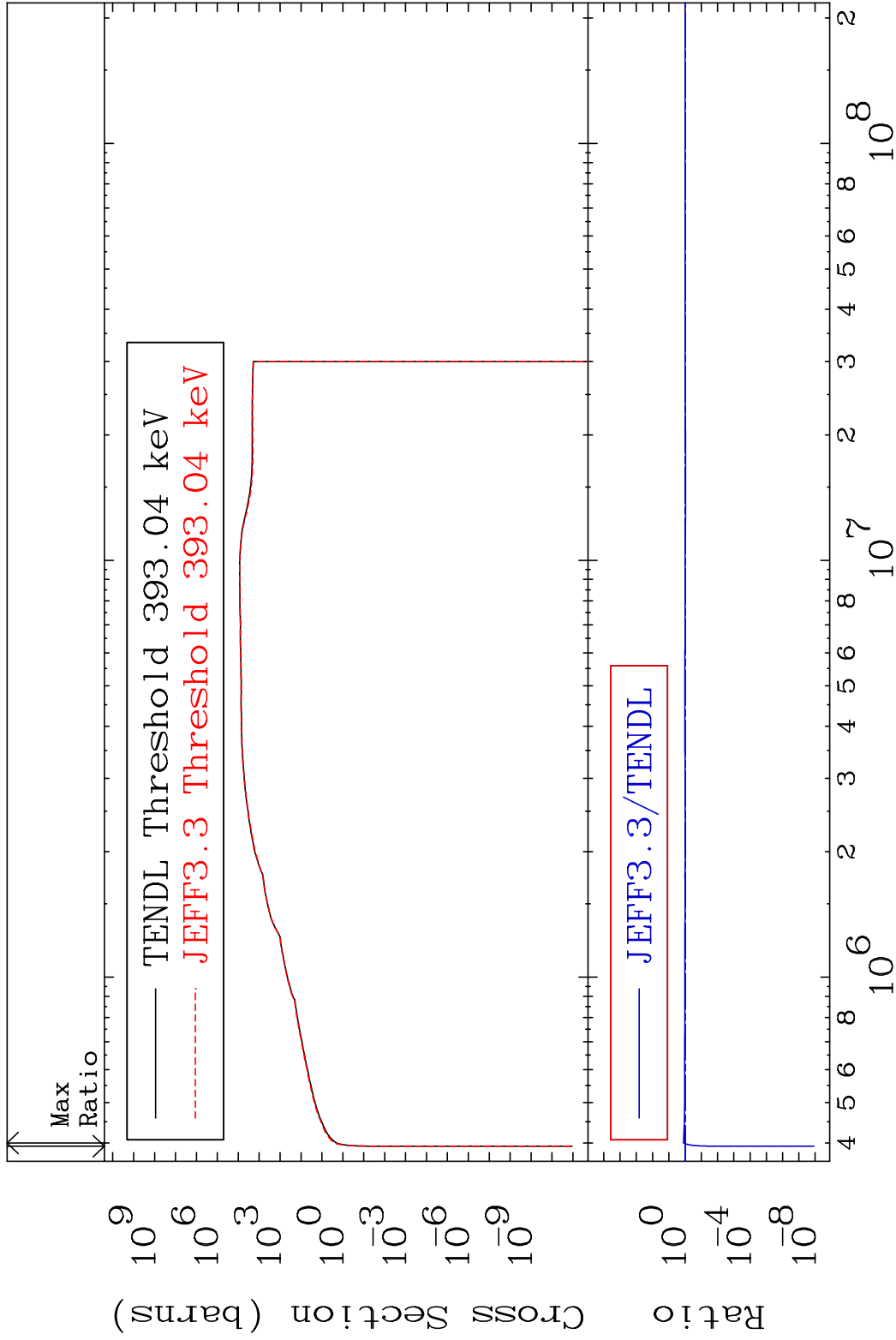


MAT 3834 Dpa elastic (mt2) 38-Sr-87  
 Cross Section -94.00 To 4473. %



62 Incident Energy (eV) 38-Sr-87

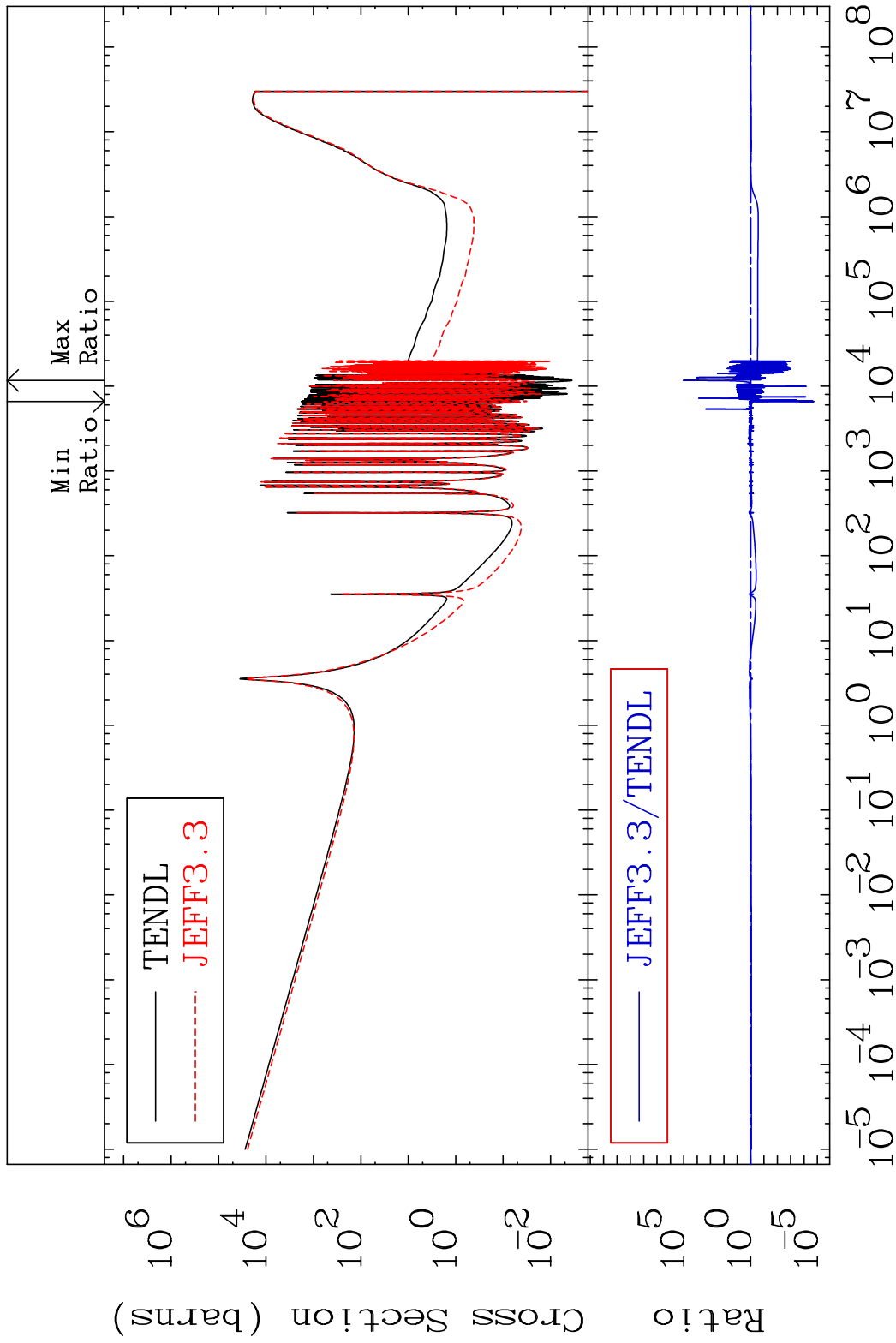
MAT 3834      Dpa inelastic (mt51-91)      38-Sr-87  
 Cross Section      -100.0 To 25.90 %



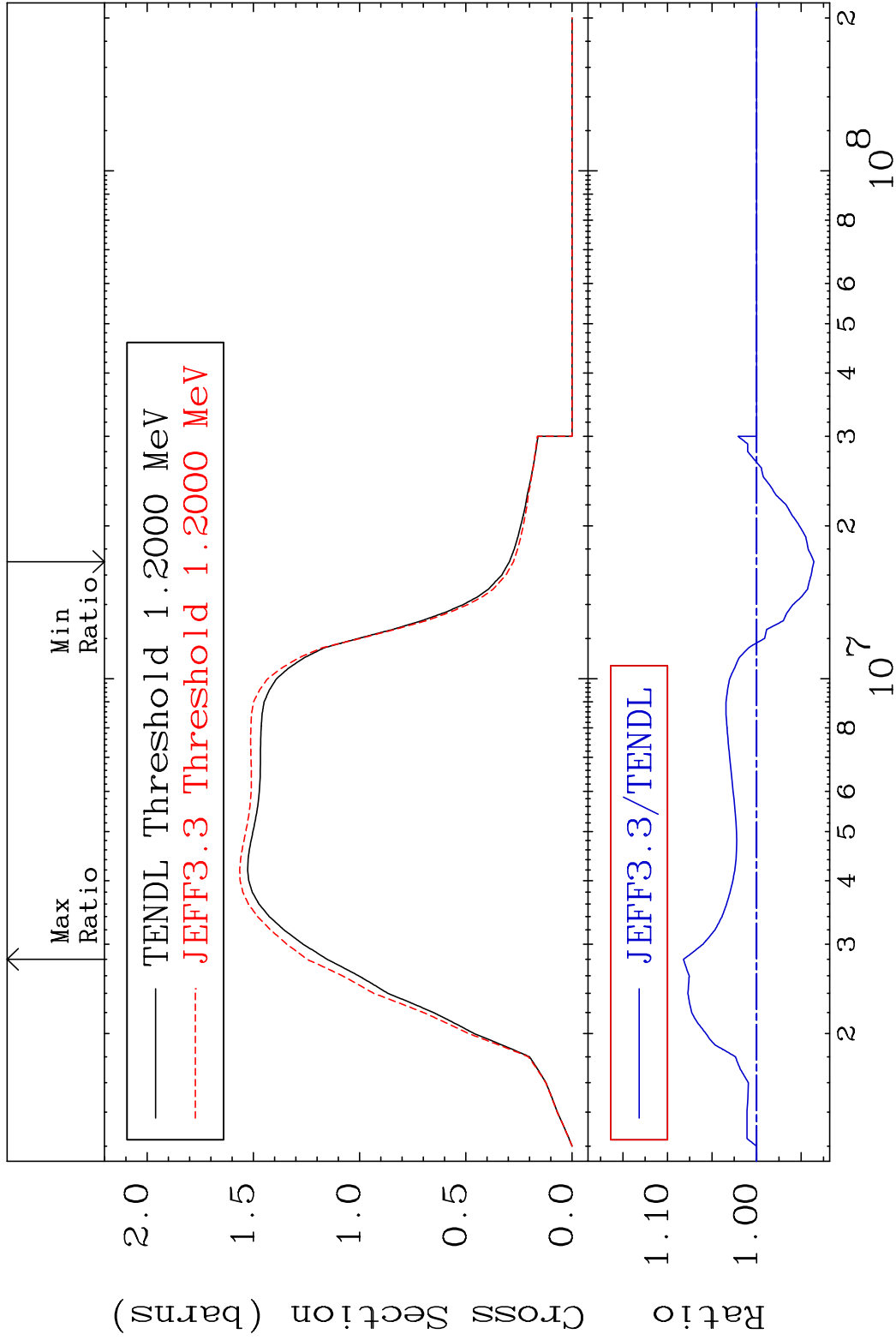
63      Incident Energy (eV)      38-Sr-87



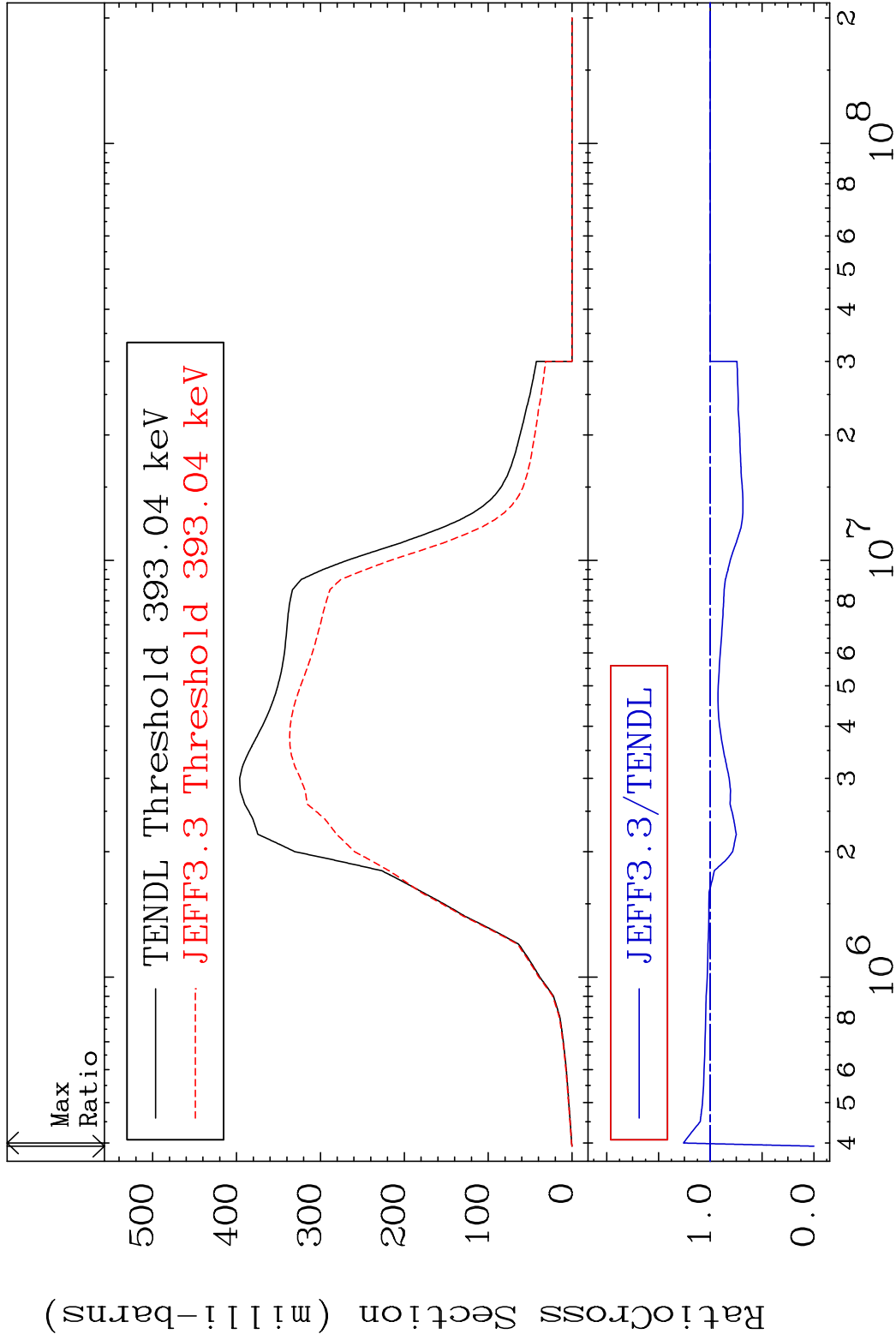
MAT 3834 Dpa disappearance (mt102 -120) 38-Sr-87  
 Cross Section -100.0 To 9999. %



64 Incident Energy (eV) 38-Sr-87

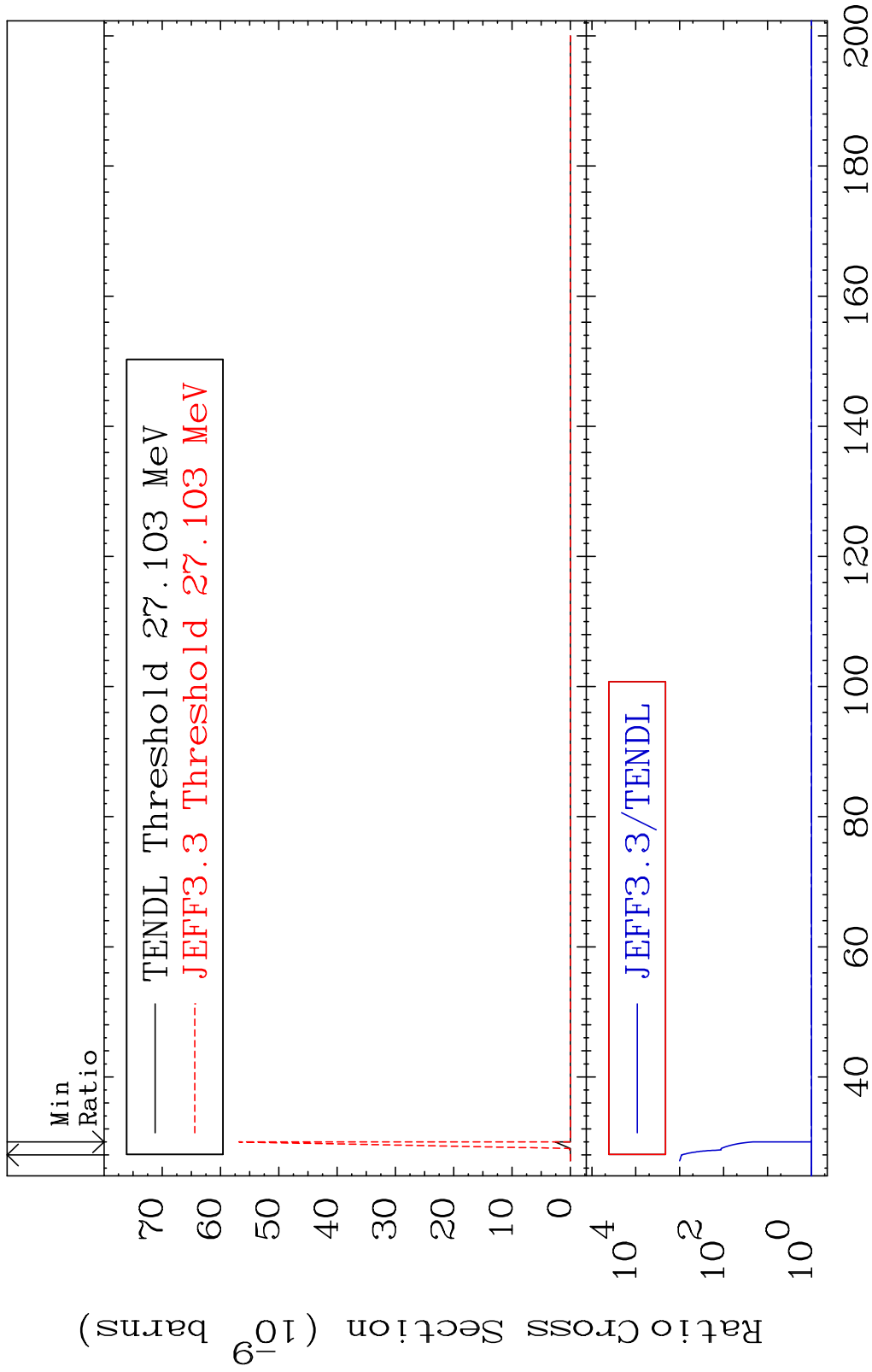


MAT 3834 Inelastic:38-Sr-87m1 38-Sr-87  
 Radionuclide Production Cross Section 1800.01 dtd 25.90 %

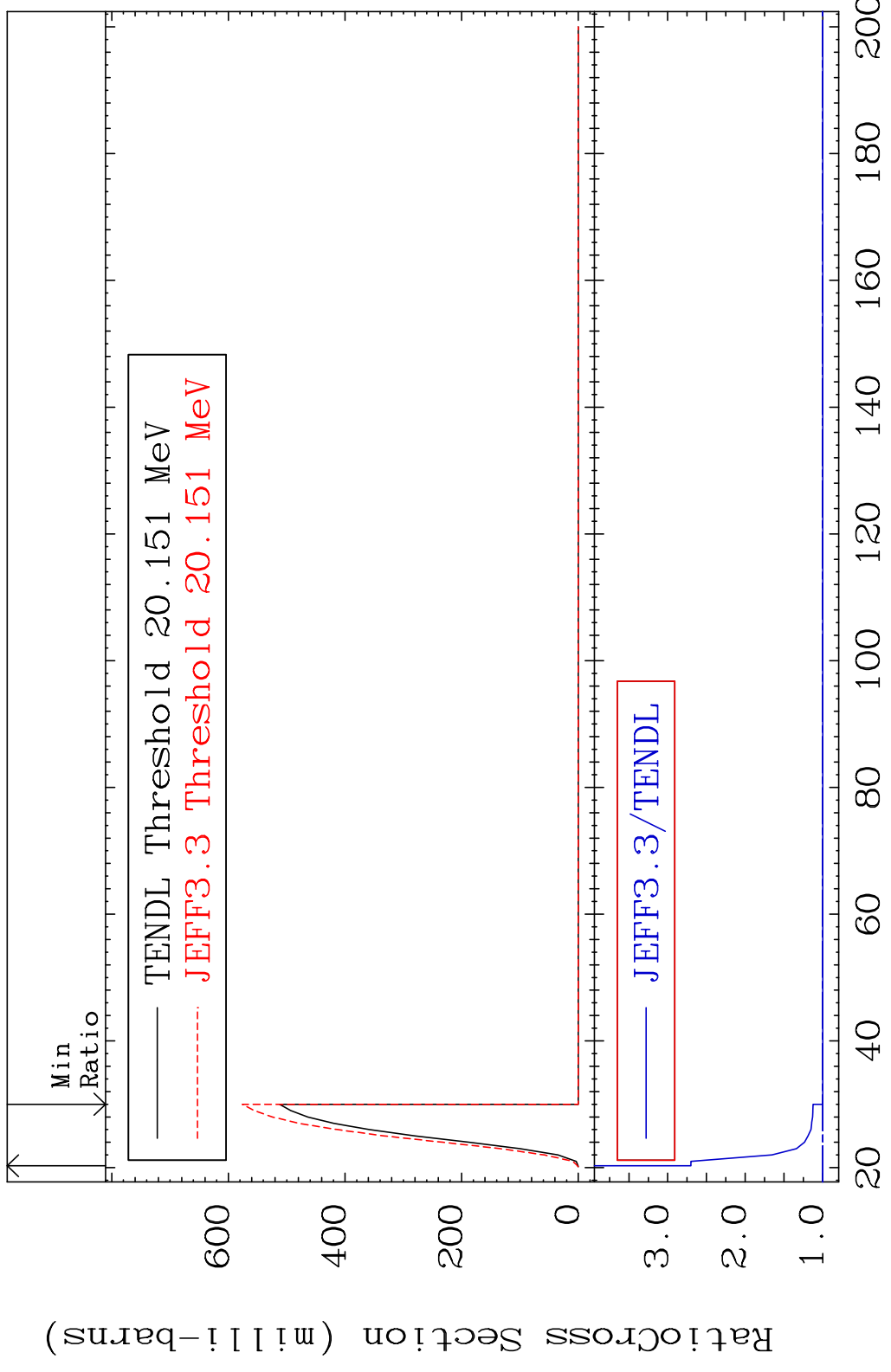


66 38-Sr-87

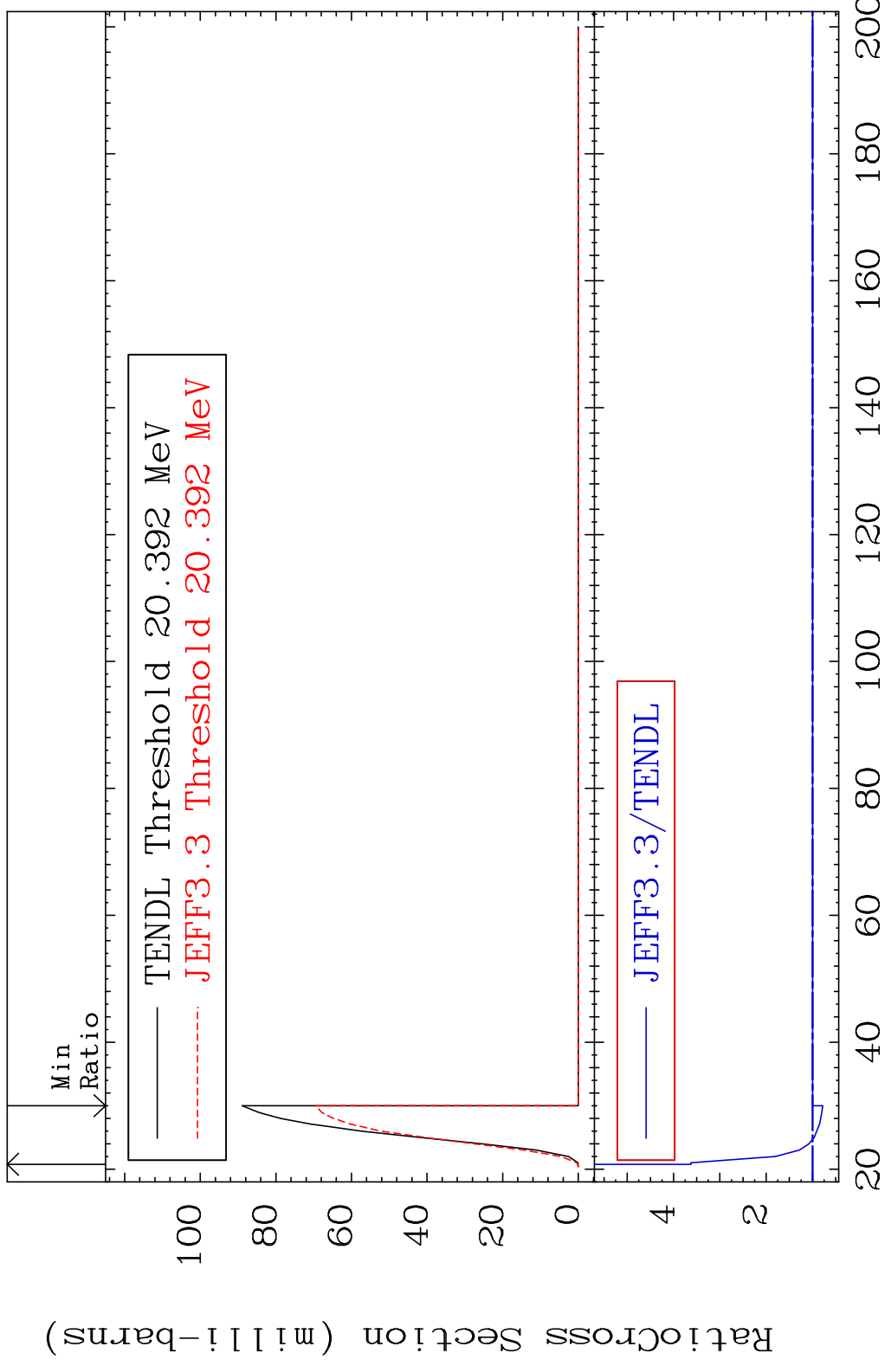




MAT 3834 (n,3n):38-Sr-85g 38-Sr-87  
 Radionuclide Production Cross Section 170.1 %

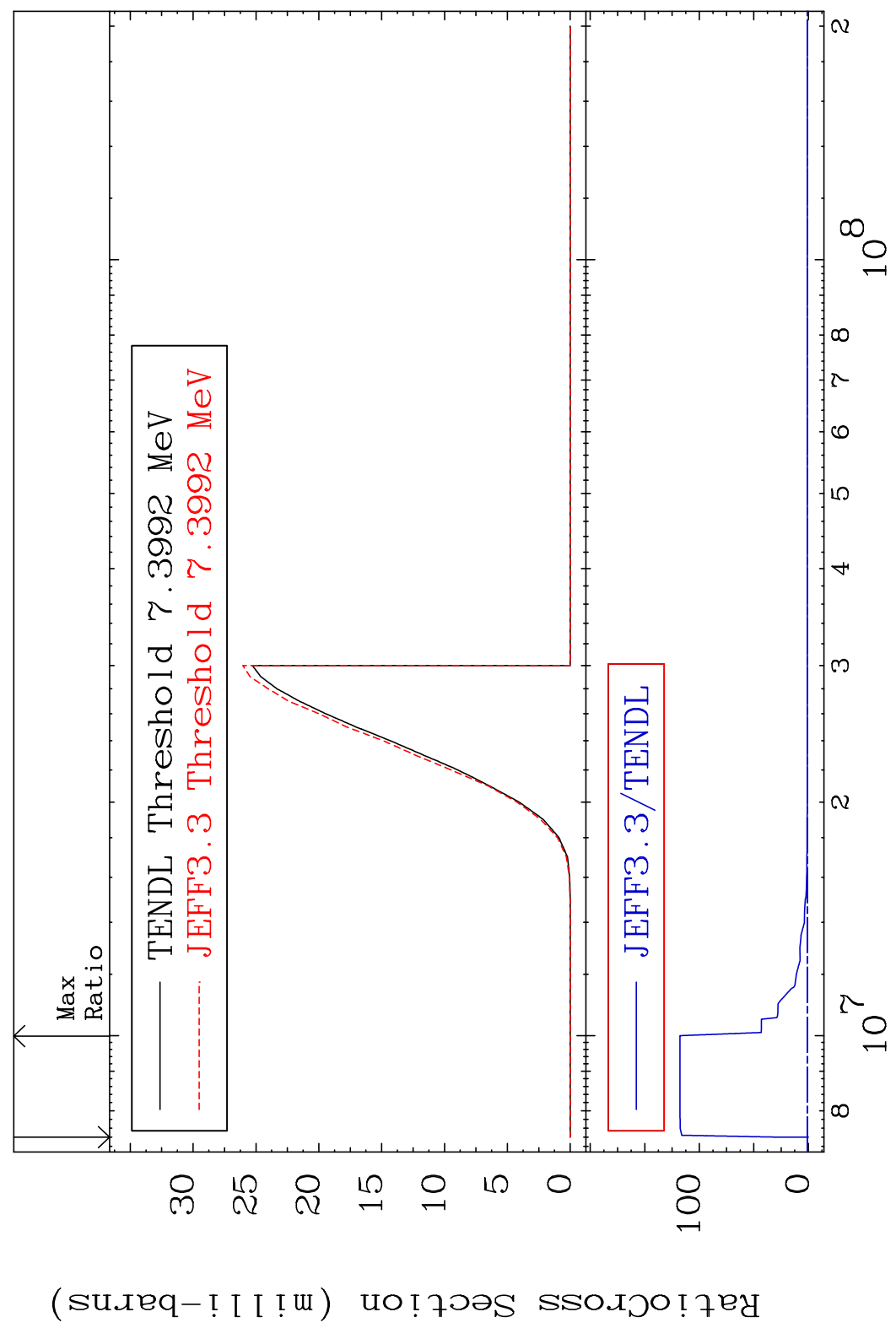


MAT 3834 (n,3n):38-Sr-85m2 38-Sr-87  
 Radionuclide Production Cross Section 262.6 %



70 Incident Energy (MeV) 38-Sr-87

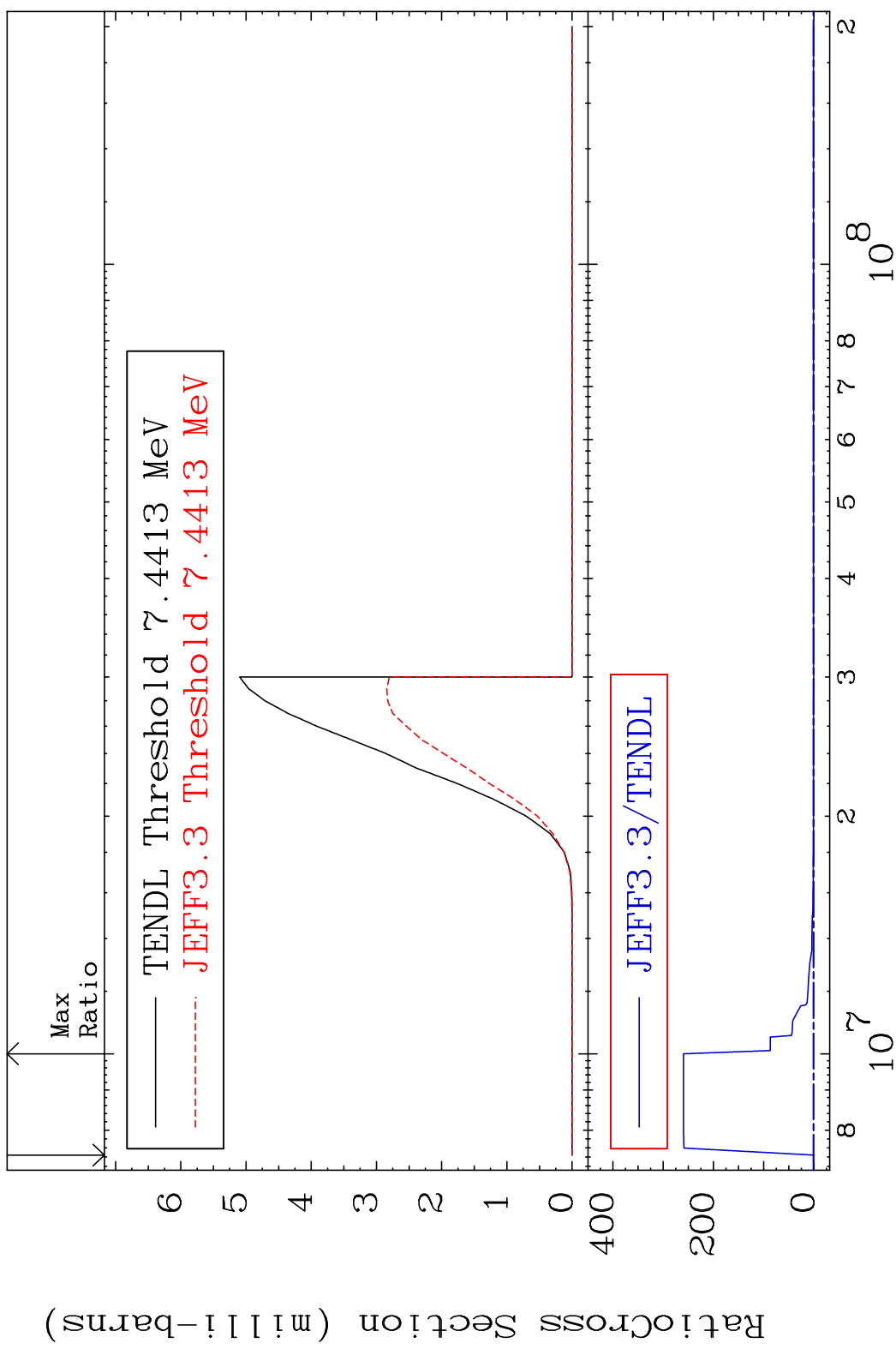
MAT 3834 (n, n')  $\alpha$ :36-Kr-83g 38-Sr-87  
 Radionuclide Production Cross Section 180001 d10 9999. %

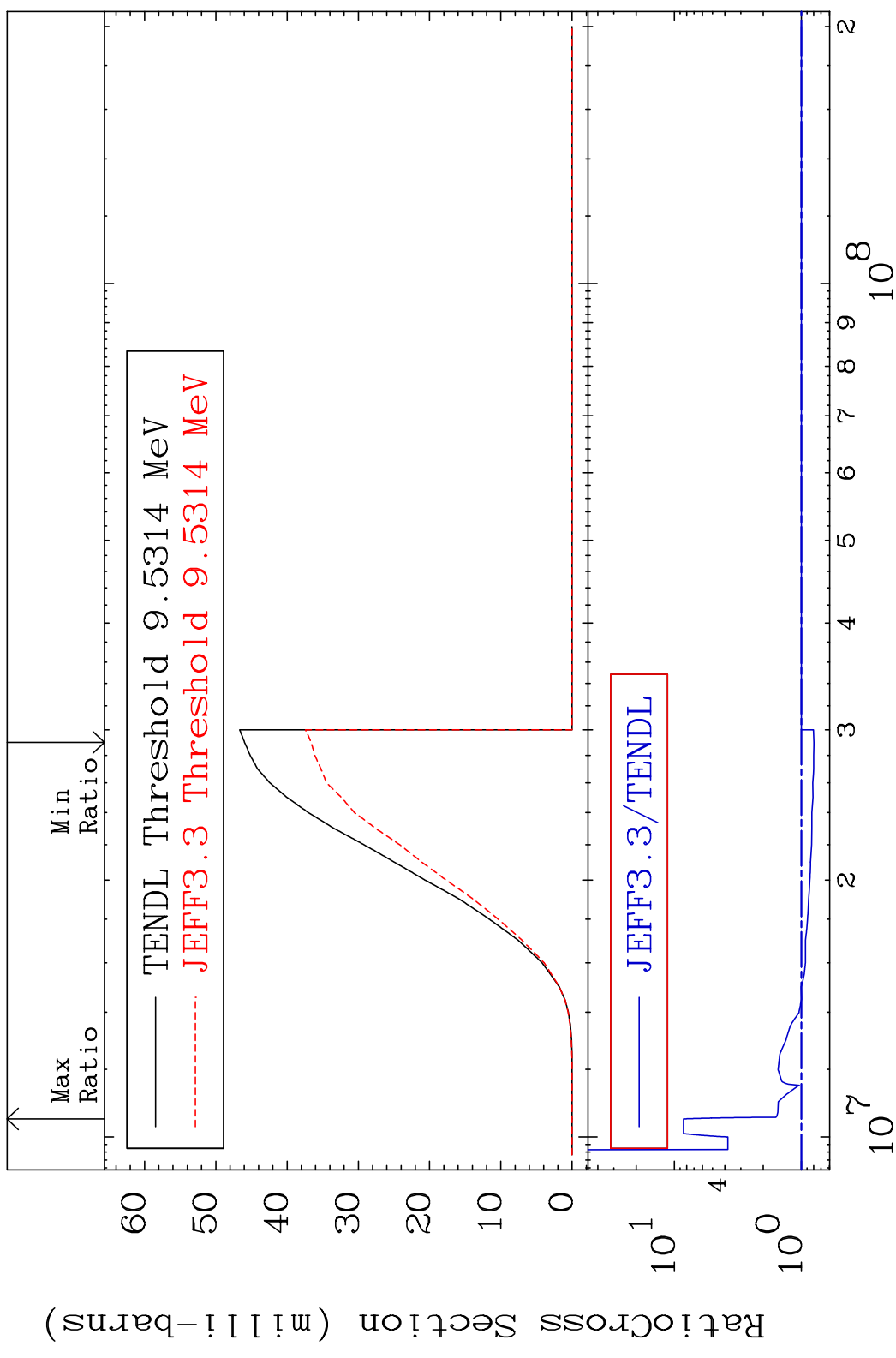


71 Incident Energy (eV) 38-Sr-87

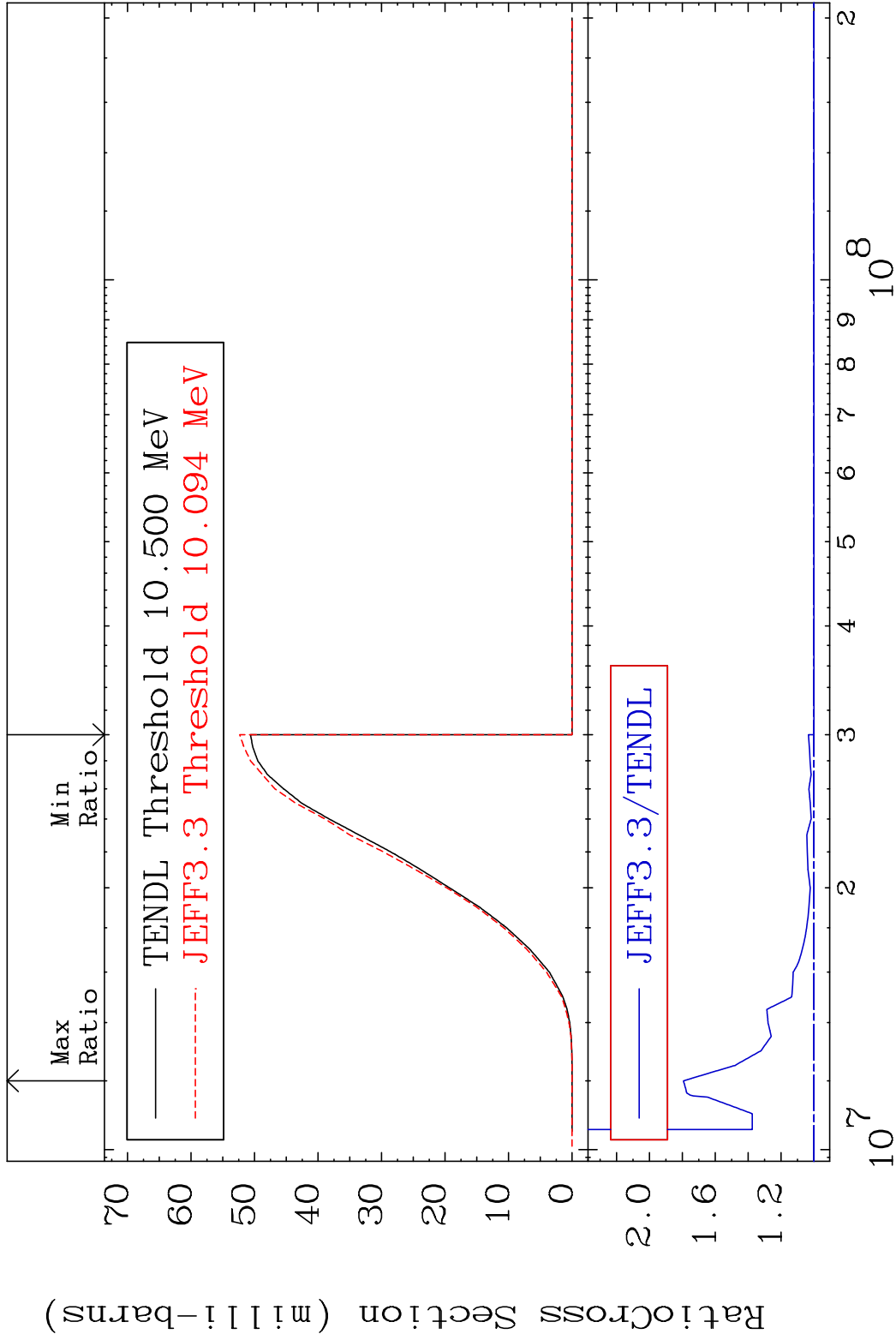


MAT 3834 (n, n')  $\alpha$ :36-Kr-83m2 38-Sr-87  
 Radionuclide Production Cross Section 1800010 d10 9999. %



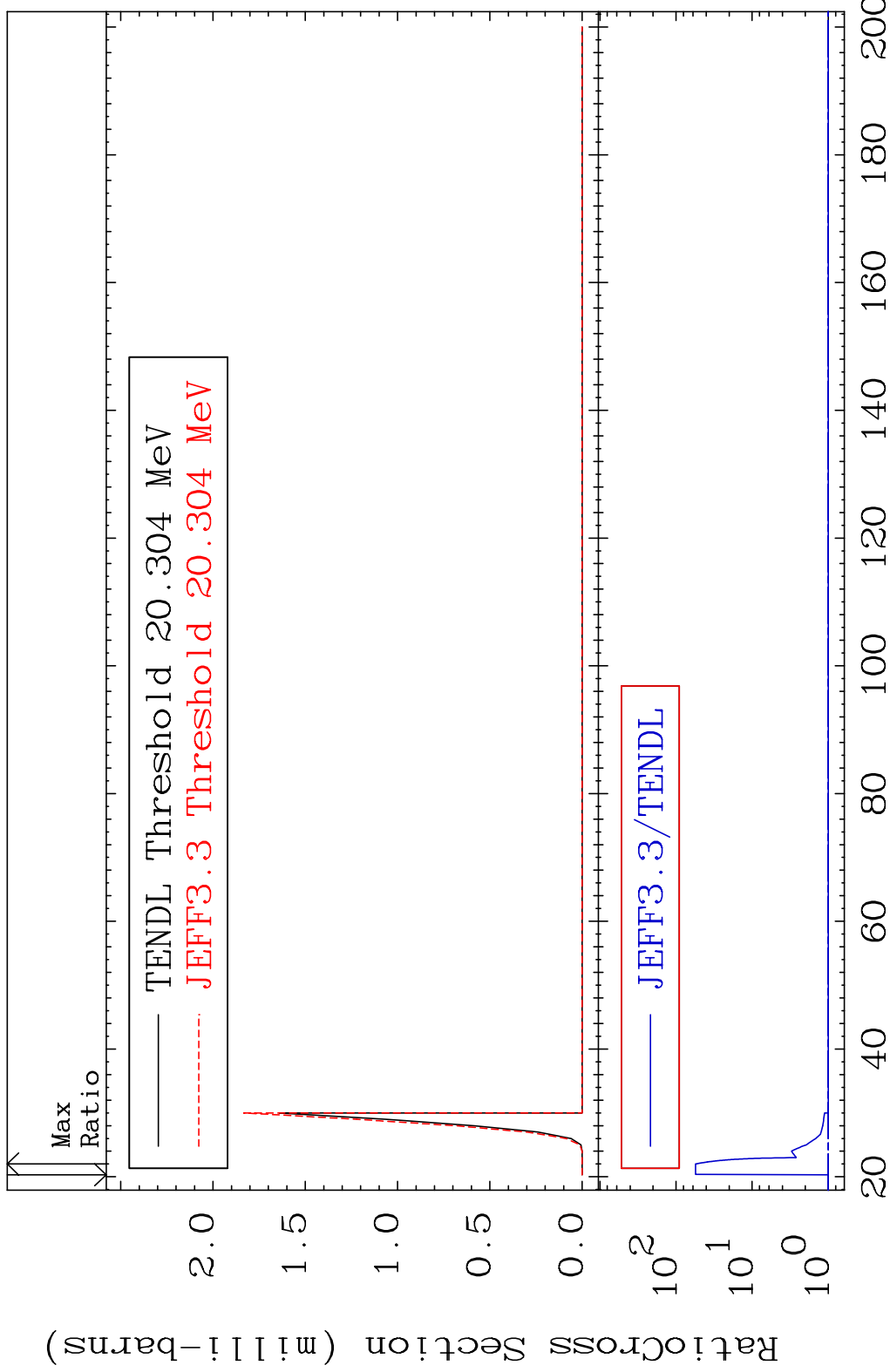


MAT 3834 (n, n') p:37-Rb-86m2 38-Sr-87  
 Radionuclide Production Cross Section 79.30 %



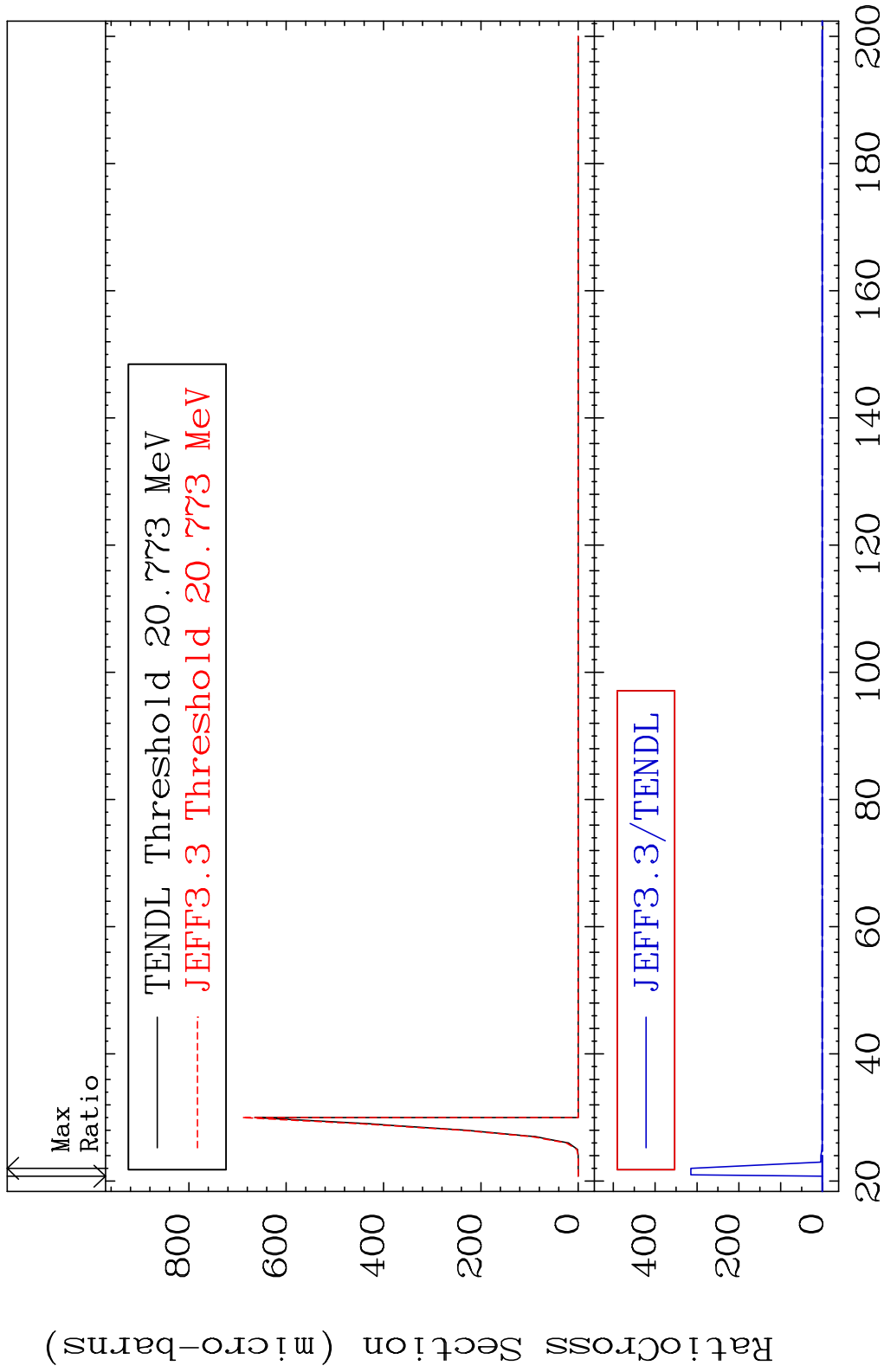
74 Incident Energy (eV) 38-Sr-87

MAT 3834 (n, n') t:37-Rb-84g 38-Sr-87  
 Radionuclide Production Cross Section 5446. %

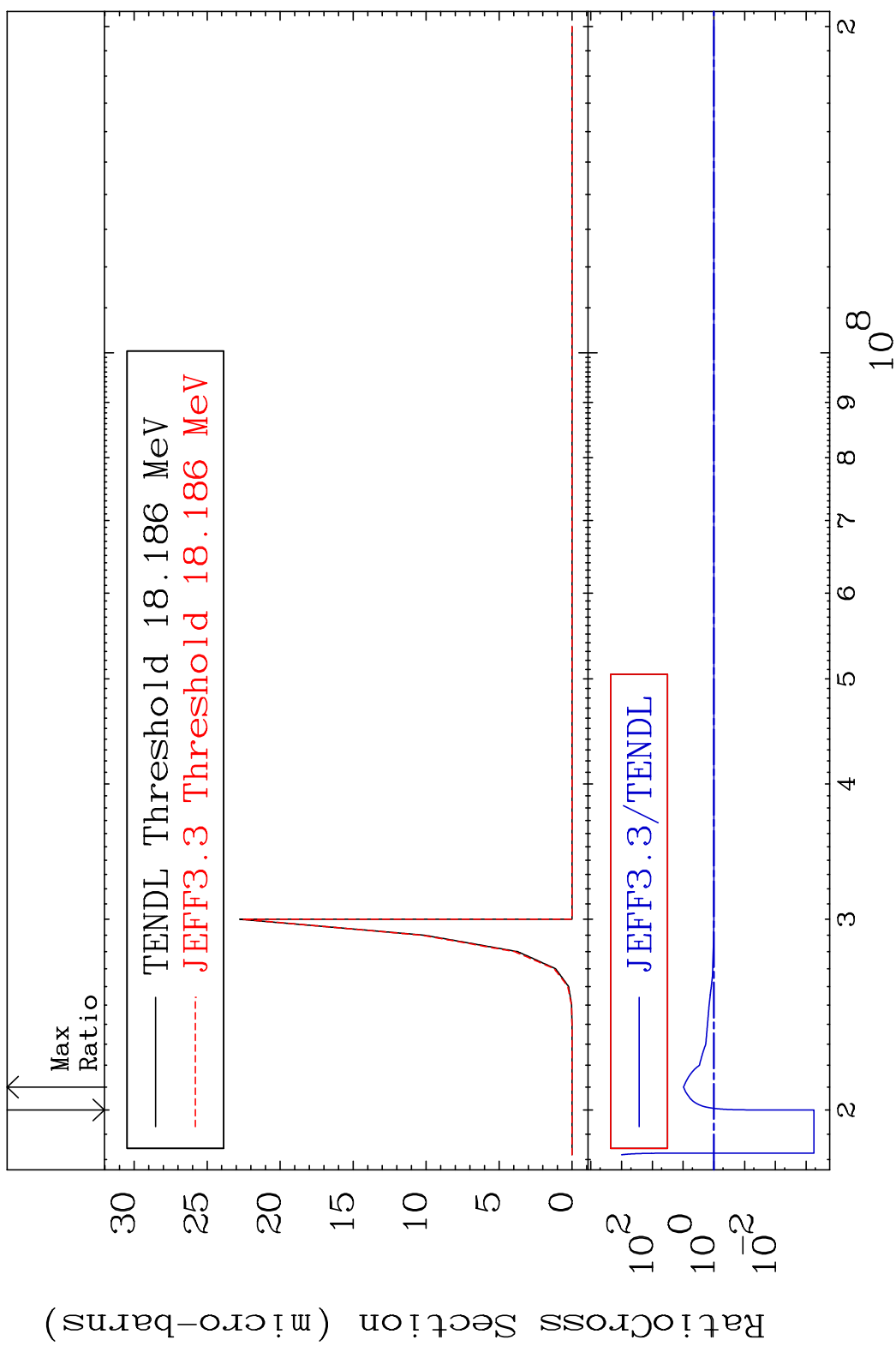


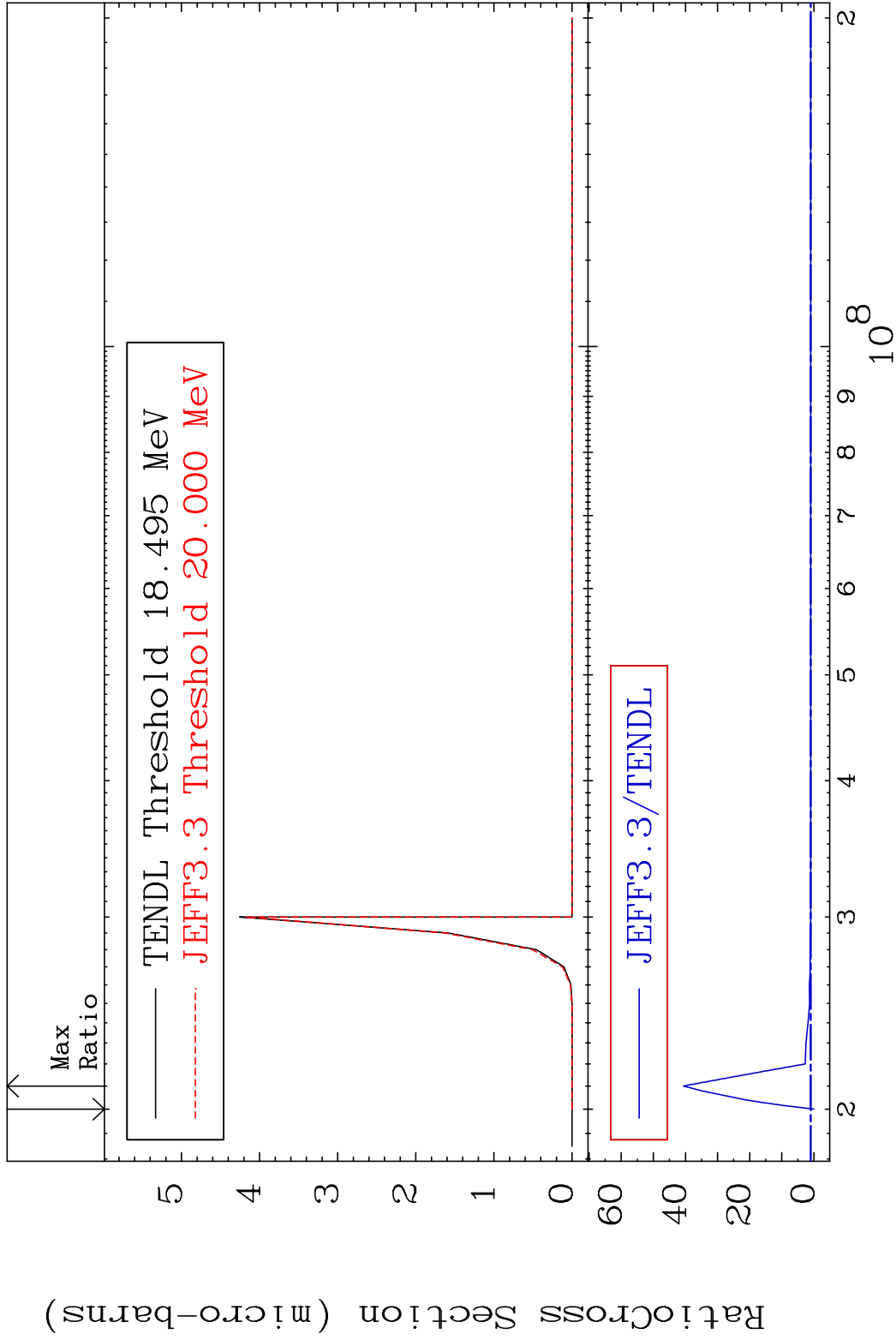
75 Incident Energy (MeV) 38-Sr-87

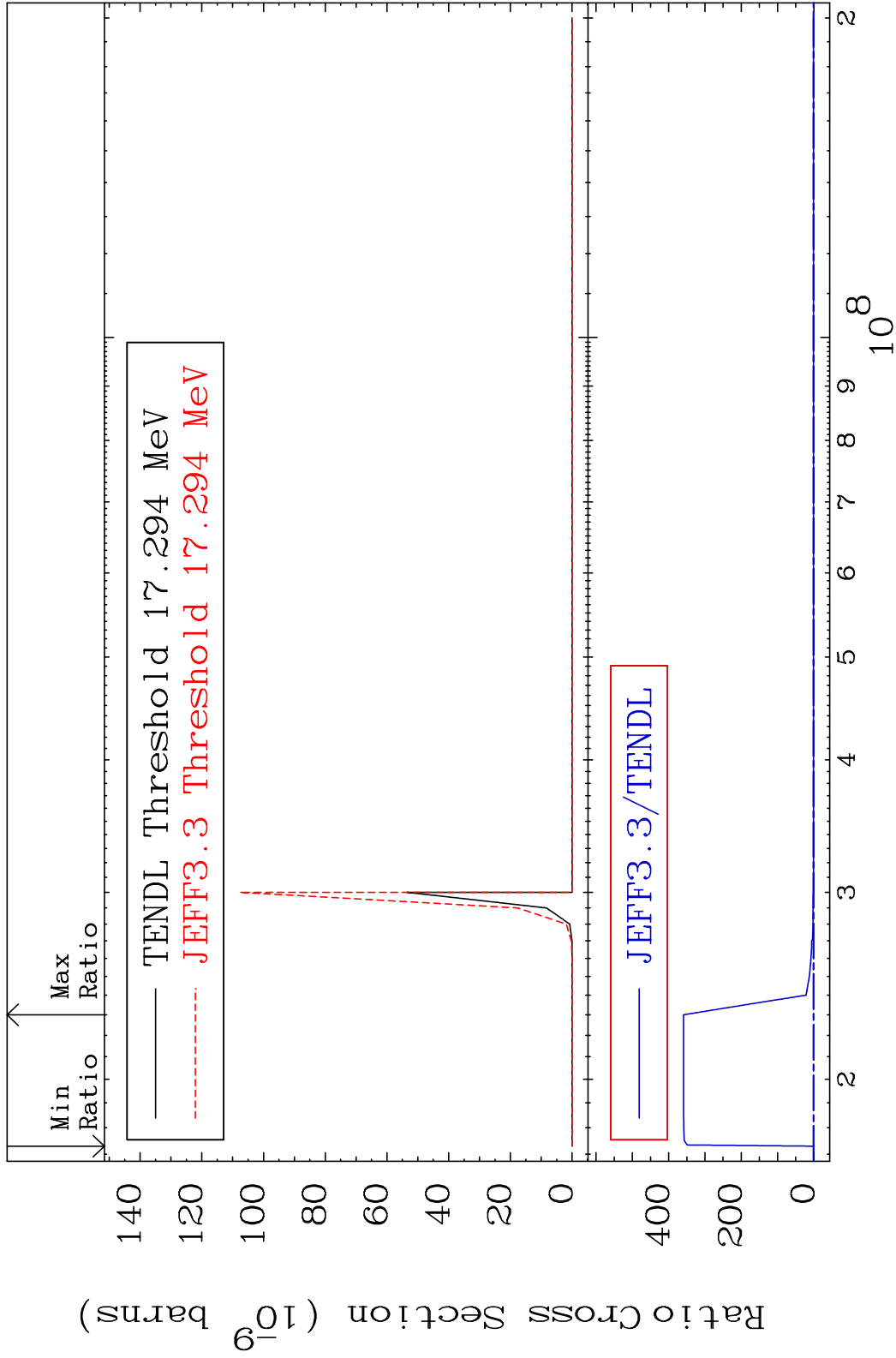
MAT 3834 (n, n') t:37-Rb-84m2 38-Sr-87  
 Radionuclide Production Cross Section 18000i dfo 9999. %



76 Incident Energy (MeV) 38-Sr-87

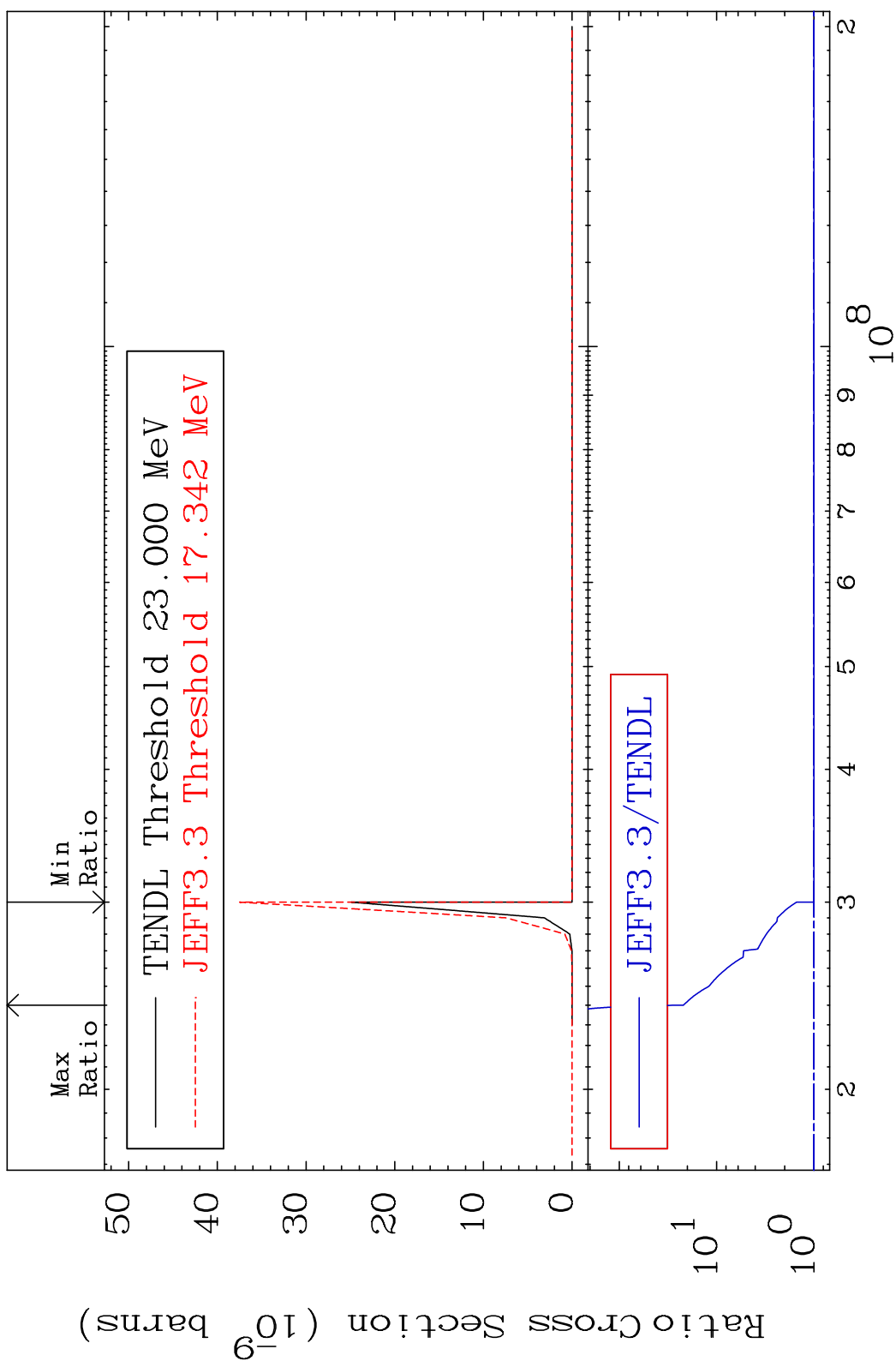




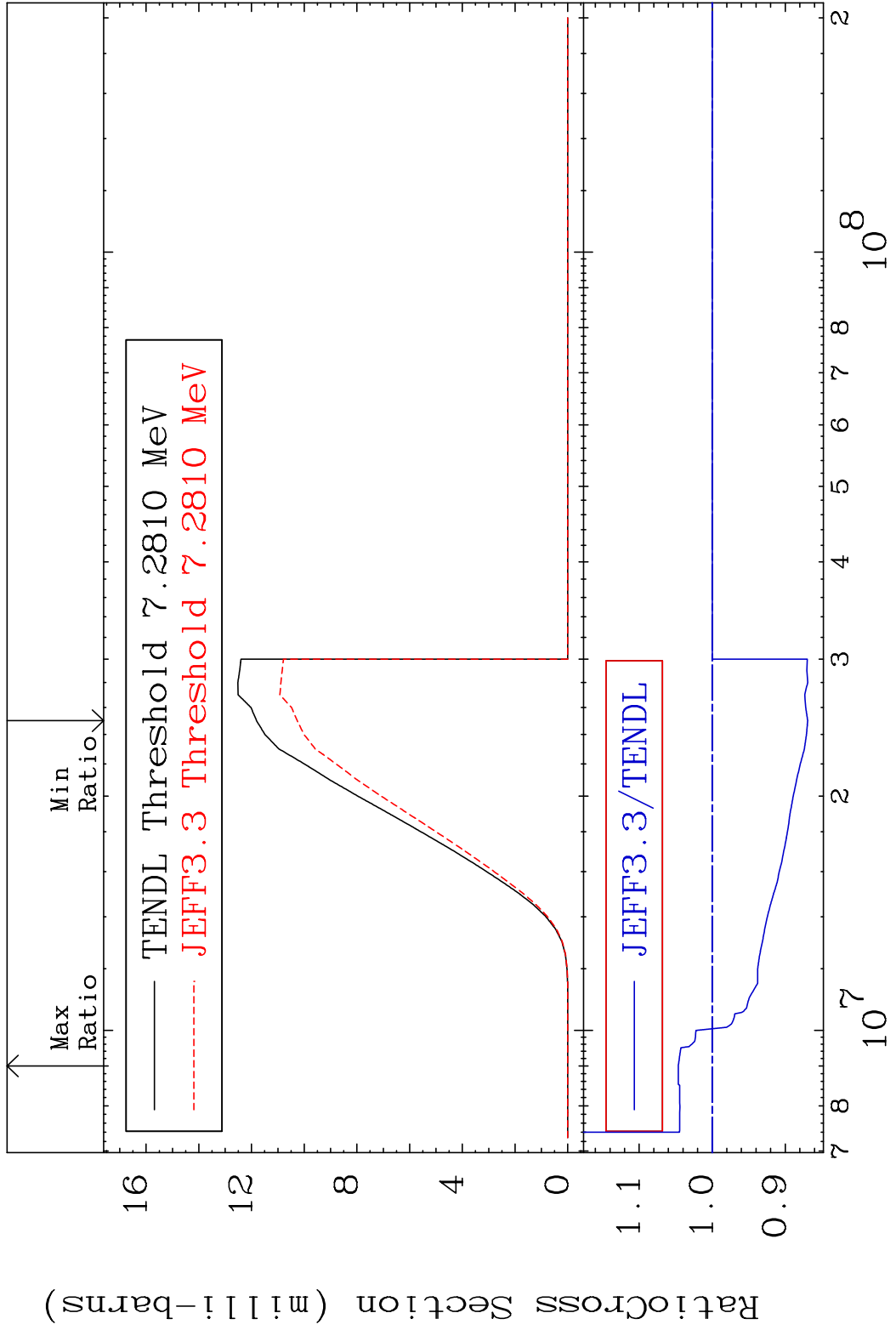




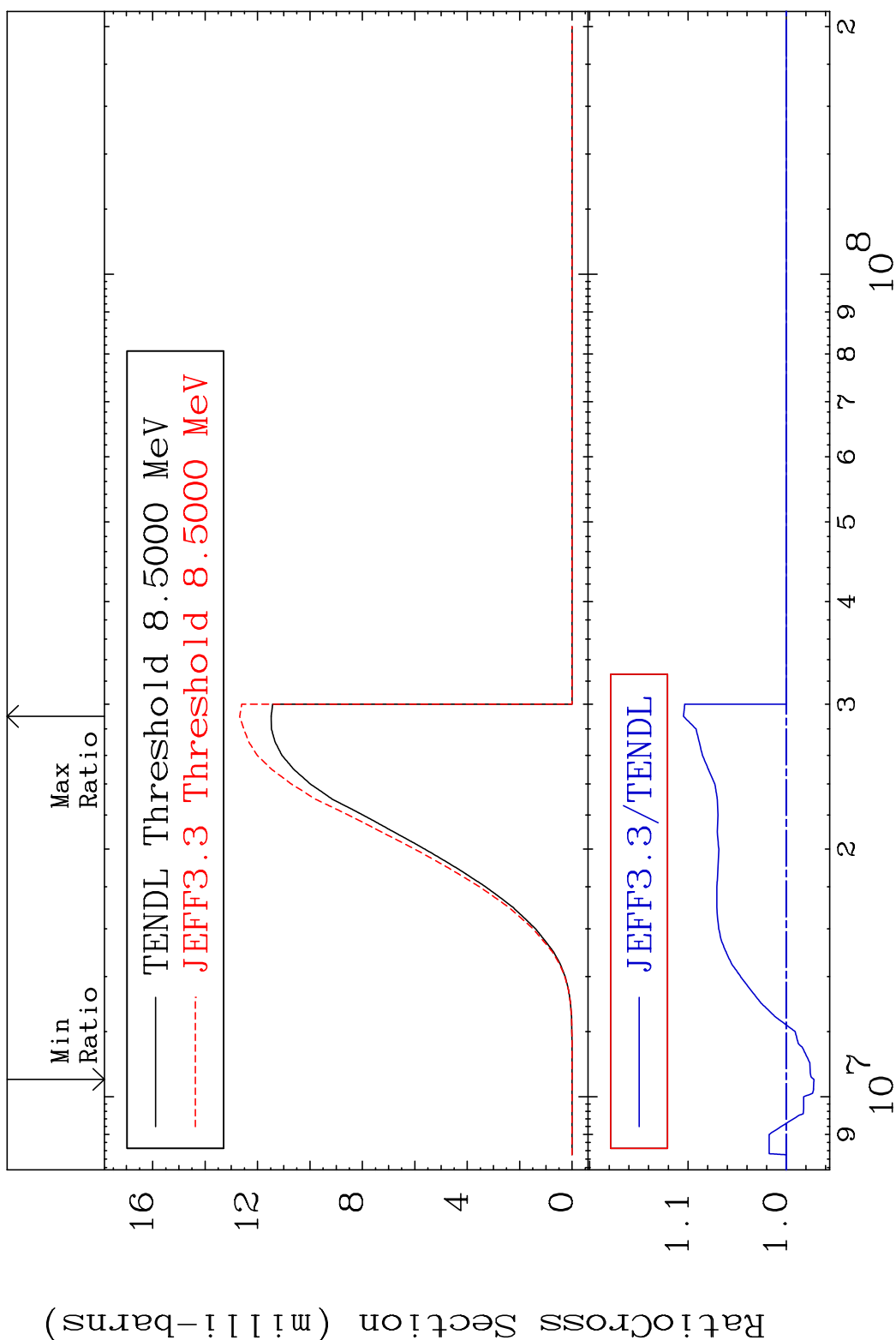
MAT 3834 (n, n') p  $\alpha$ :35-Br-82m1 38-Sr-87  
 Radionuclide Production Cross Section 2090. %



MAT 3834 (n, d) : 37-Rb-86g 38-Sr-87  
 Radionuclide Production Cross Section 4.648 %

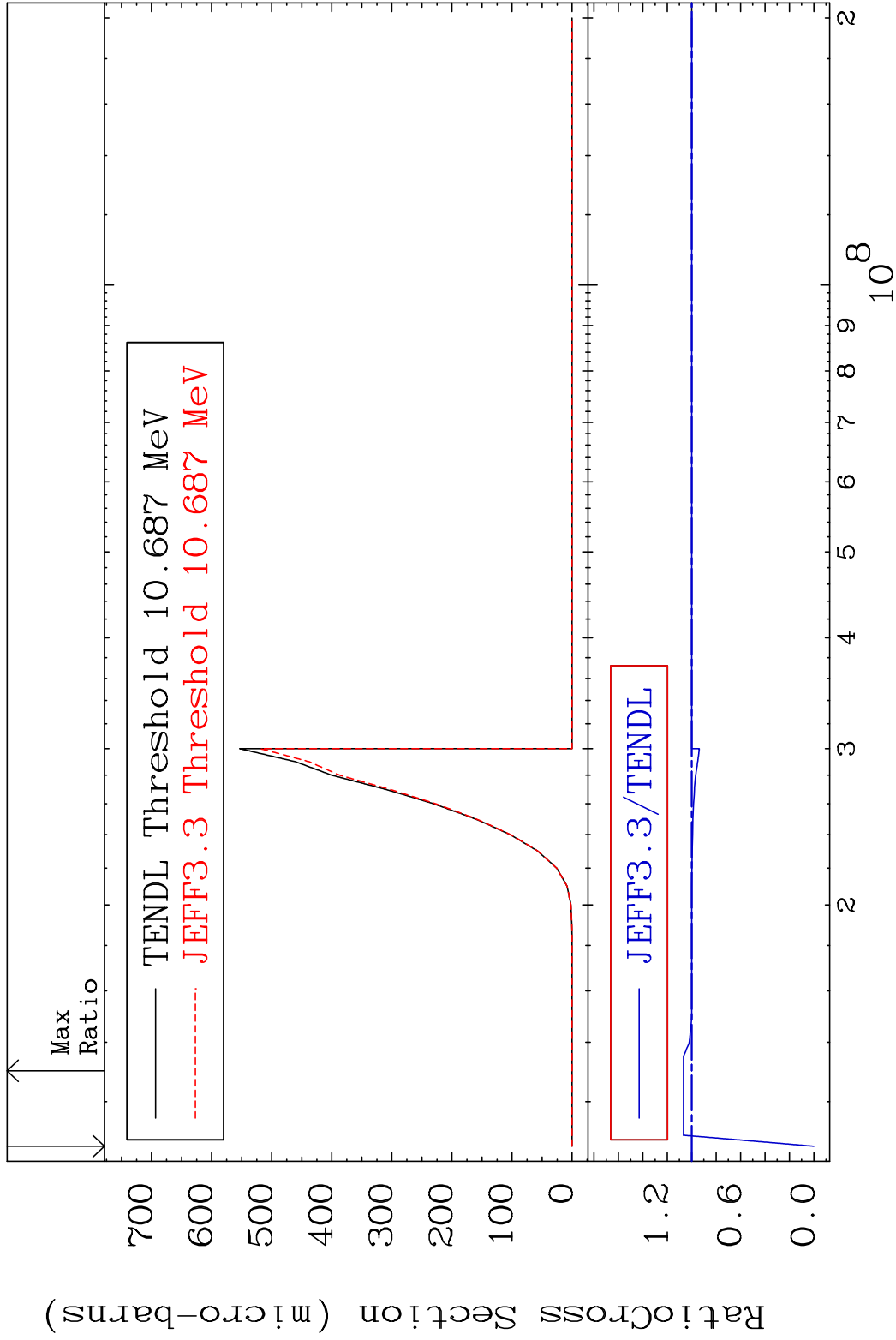


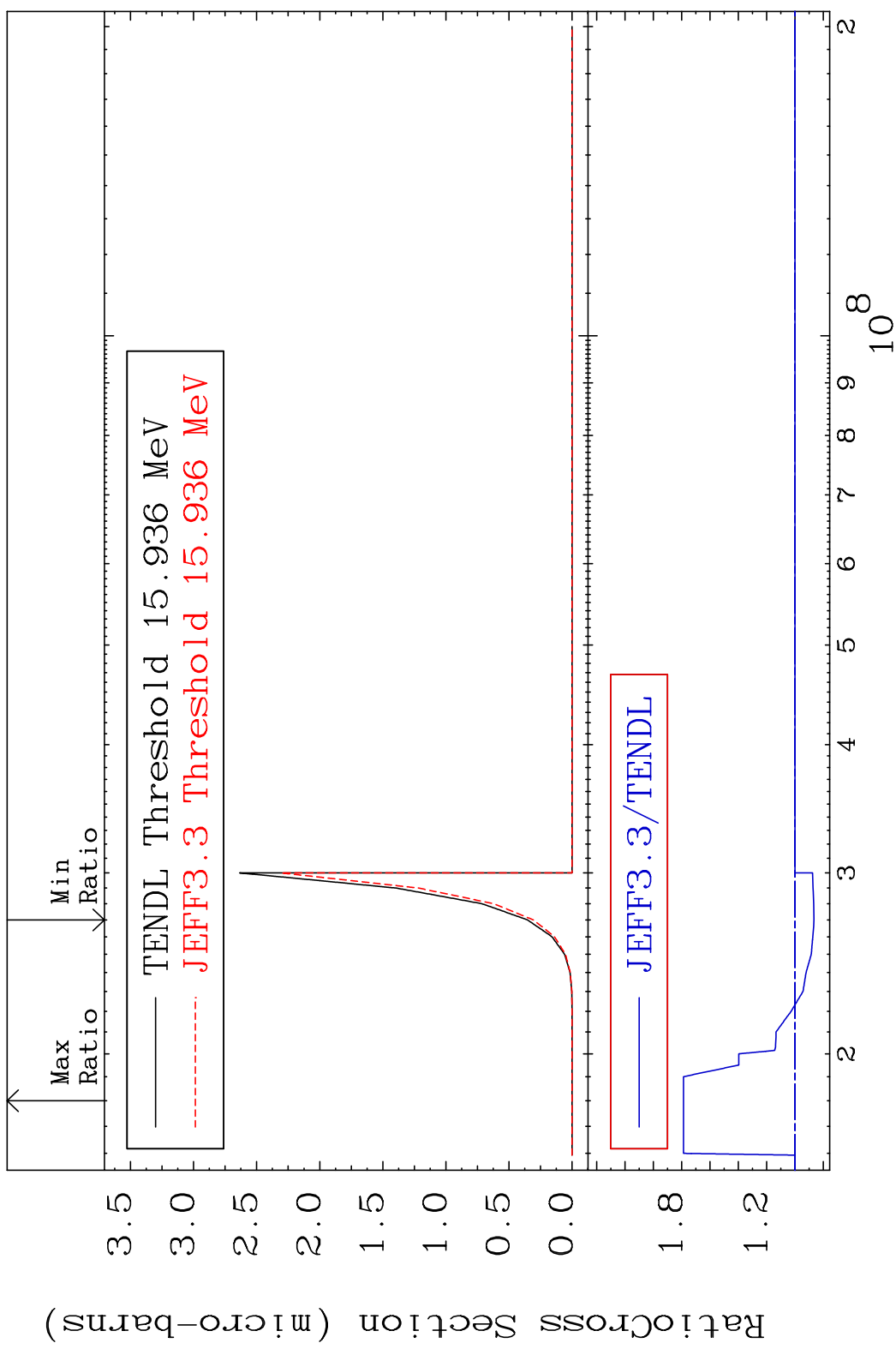
81 38-Sr-87

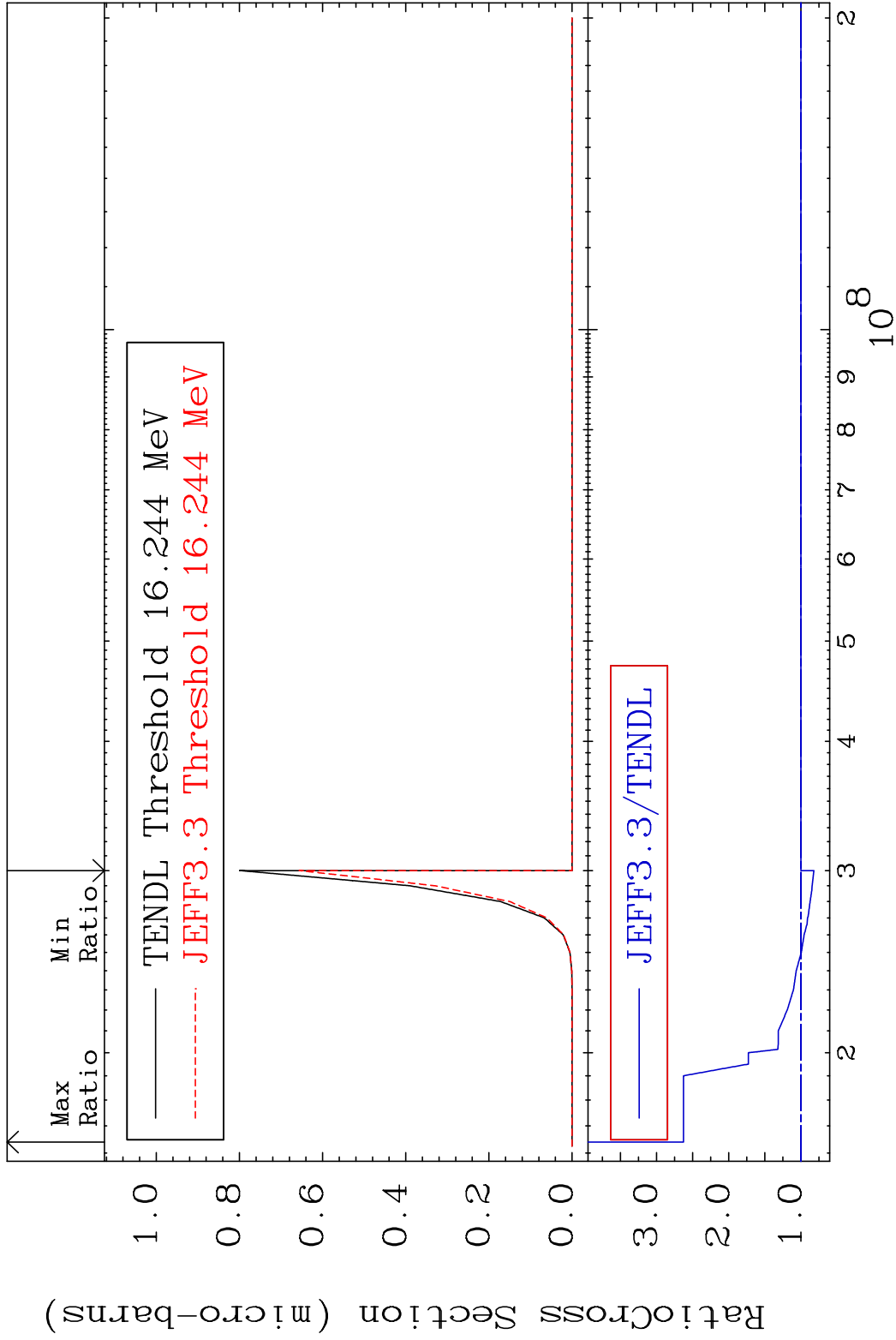




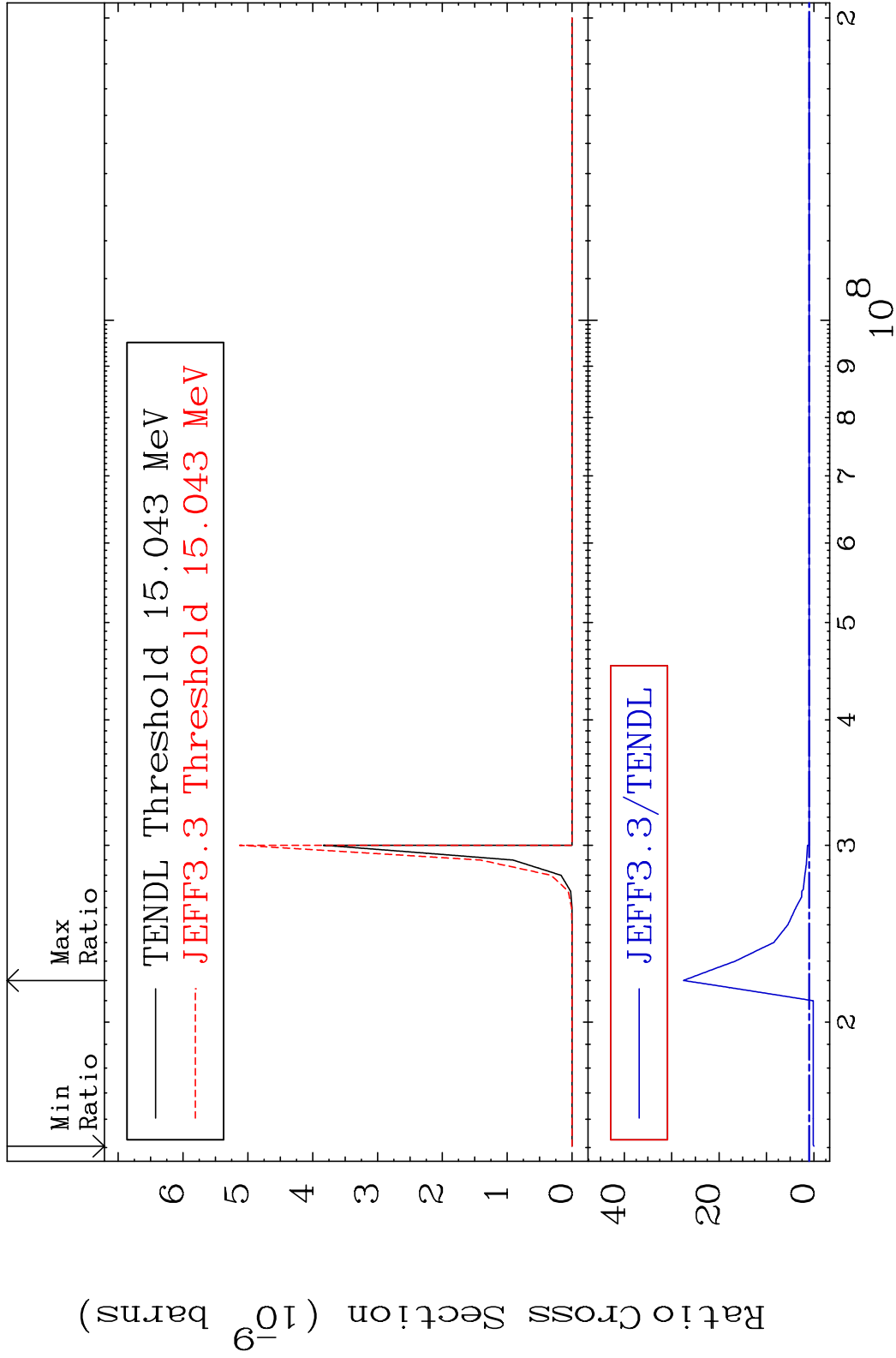
MAT 3834 (n, He-3) : 36-Kr-85m1 38-Sr-87  
 Radionuclide Production Cross Section 180000 dpo 6.751 %







MAT 3834 (n, d)  $\alpha$ :35-Br-82g 38-Sr-87  
 Radionuclide Production Cross Section 180000 dth 2651. %



87 Incident Energy (eV) 38-Sr-87



MAT 3834 (n, d)  $\alpha$ :35-Br-82m1 38-Sr-87  
 Radionuclide Production Cross Section 18000i d10 2384. %

