

Program Complot  
(Version 2021-1)

by

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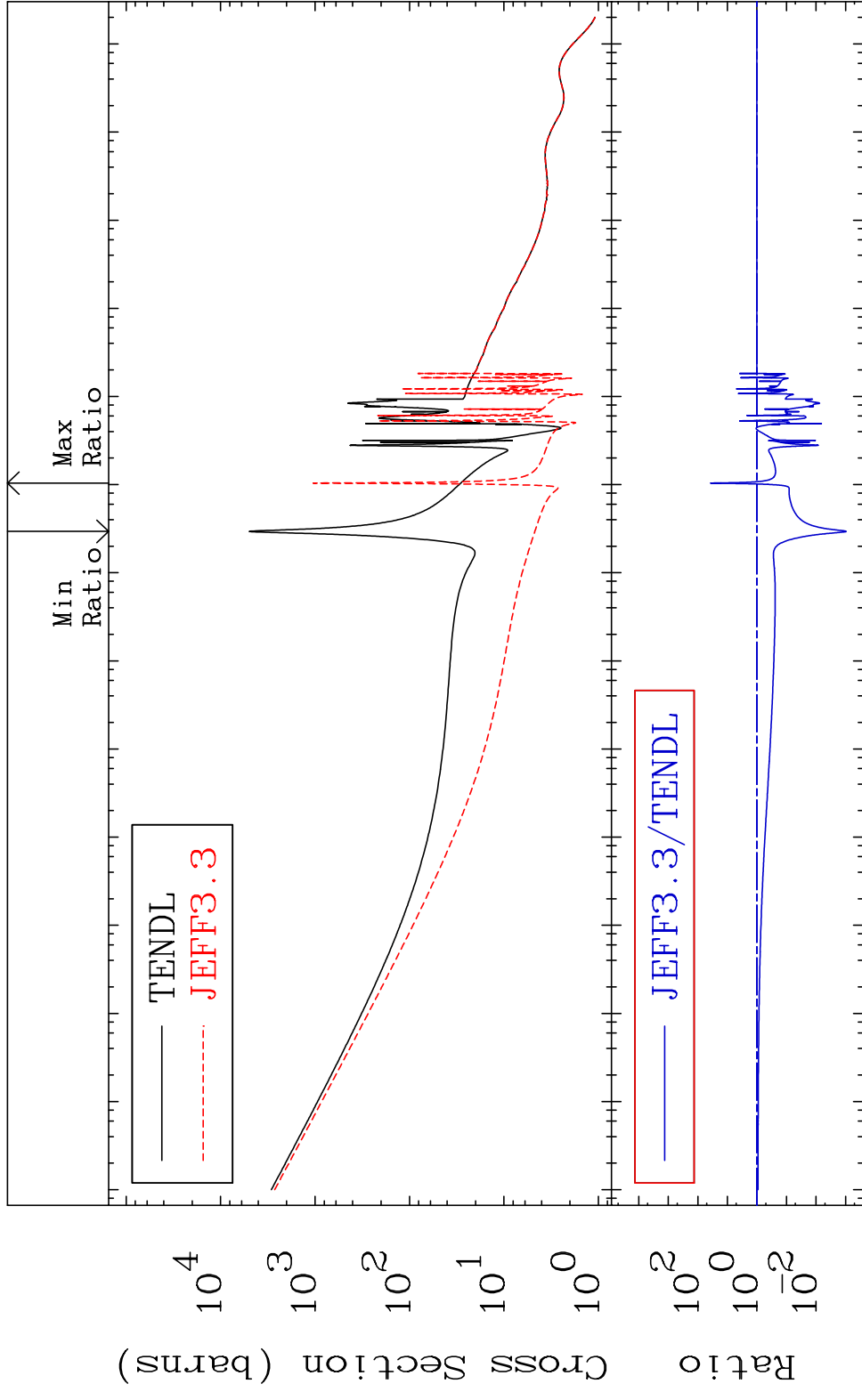
Press Mouse Button to Start

MAT 2719

27-Co-57

Total

Cross Section -99.91 To 3560. %



1

Incident Energy (eV)

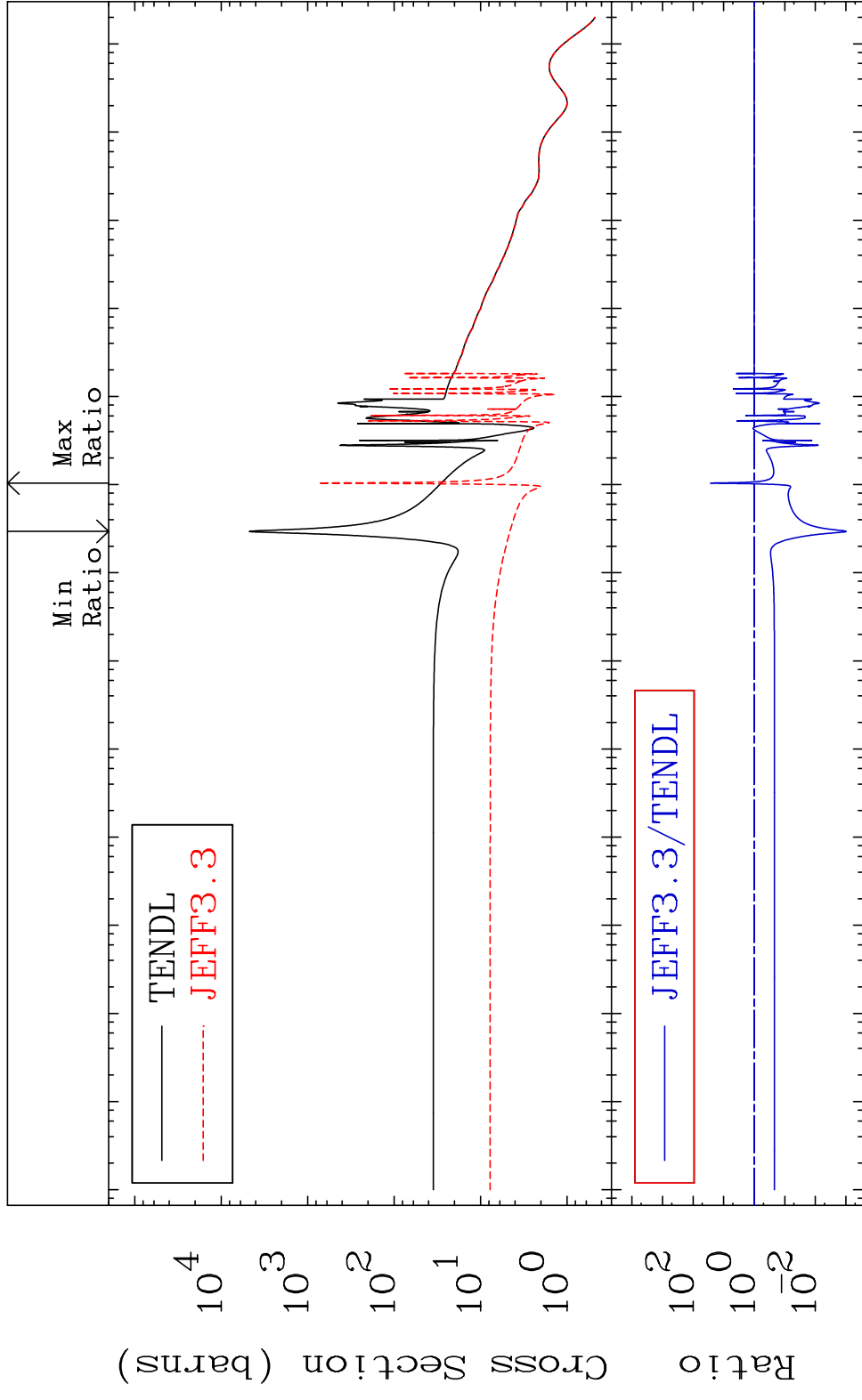
27-Co-57

MAT 2719

27-Co-57

Elastic

Cross Section -99.90 To 2548. %

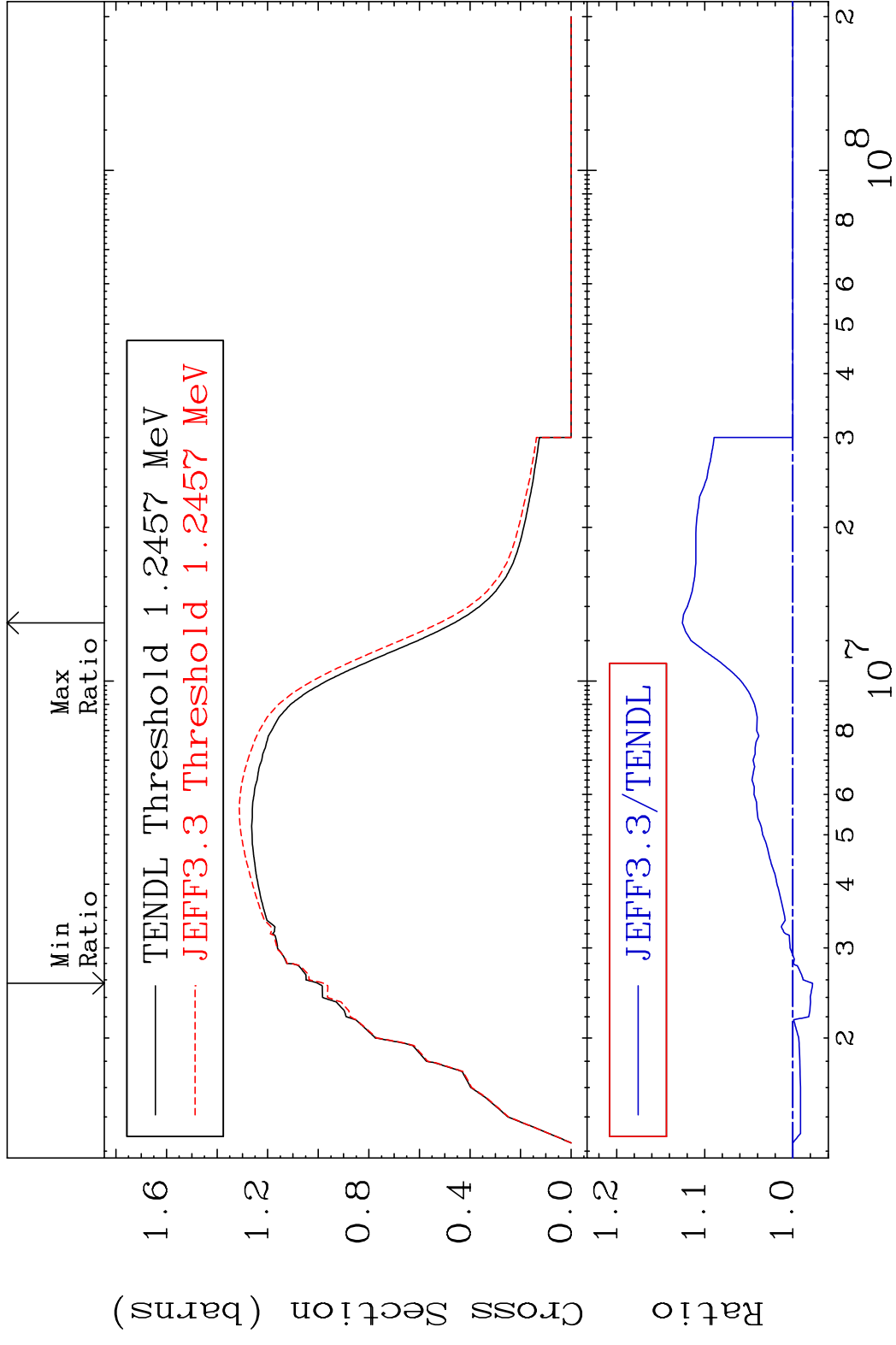


MAT 2719

27-Co-57

Inelastic

Cross Section -2.244 To 12.54 %



3

Incident Energy (eV)

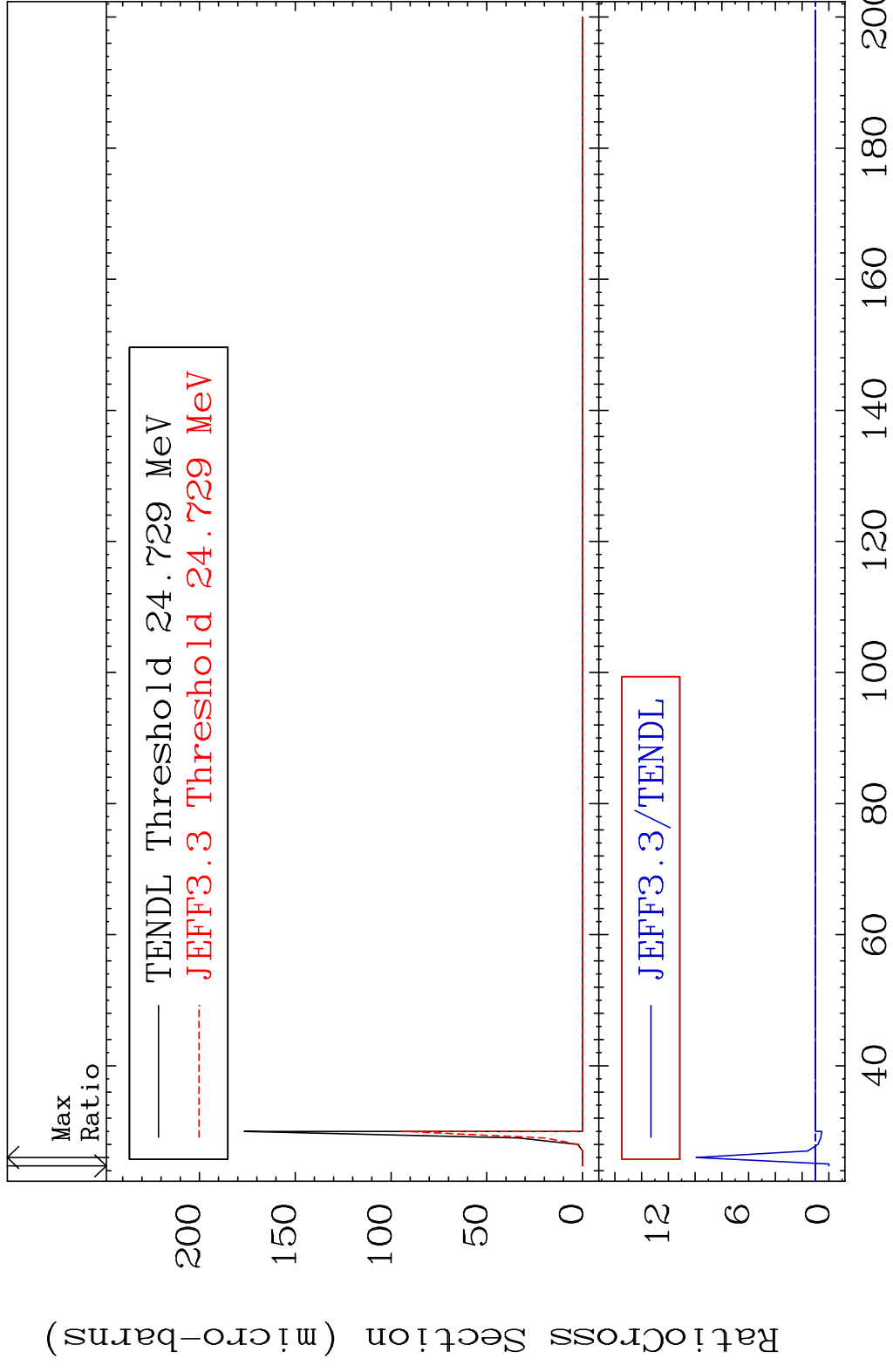
27-Co-57

MAT 2719

(n,2n) d

27-Co-57

Cross Section -100.0 To 893.2 %

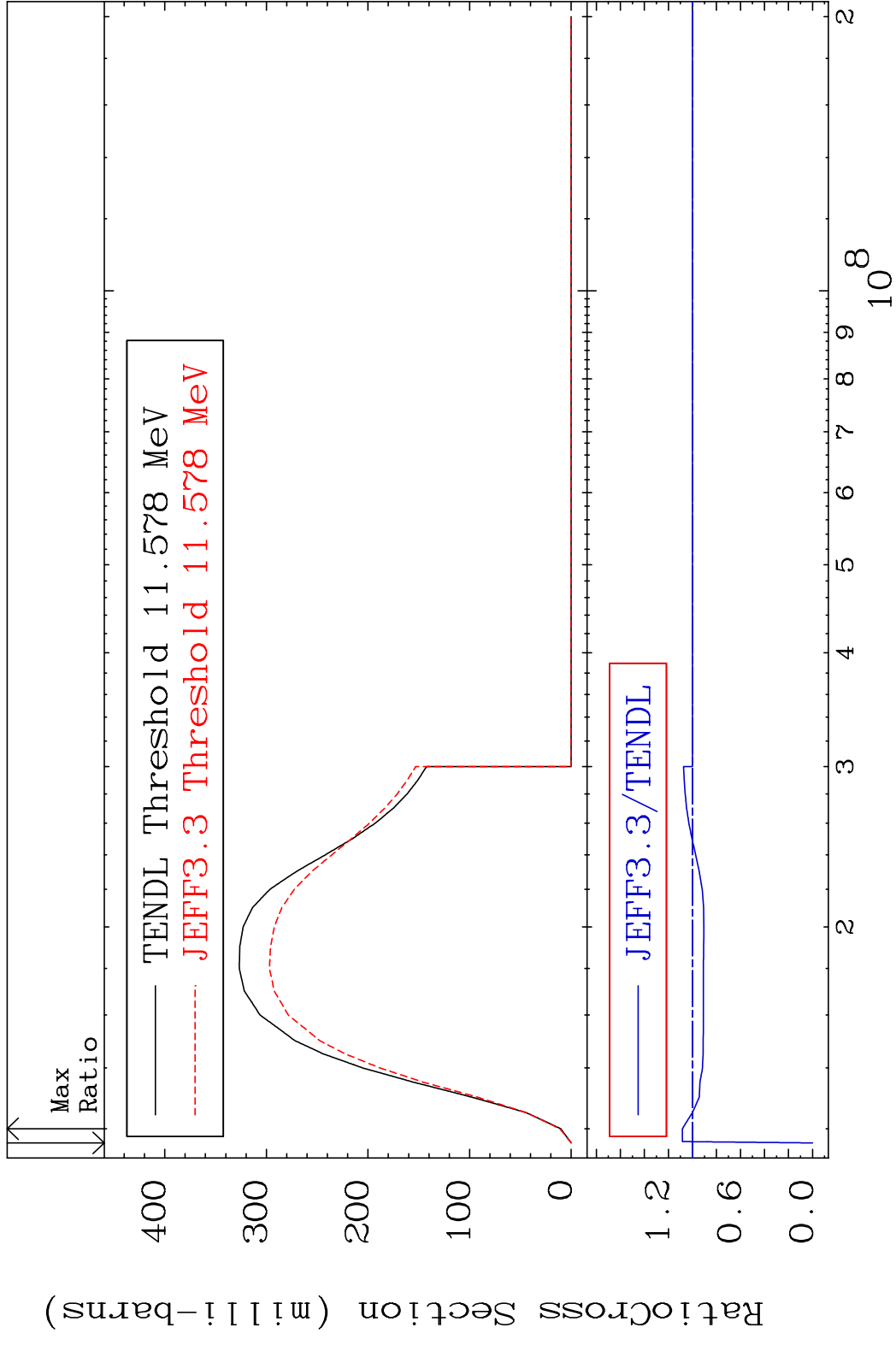


MAT 2719

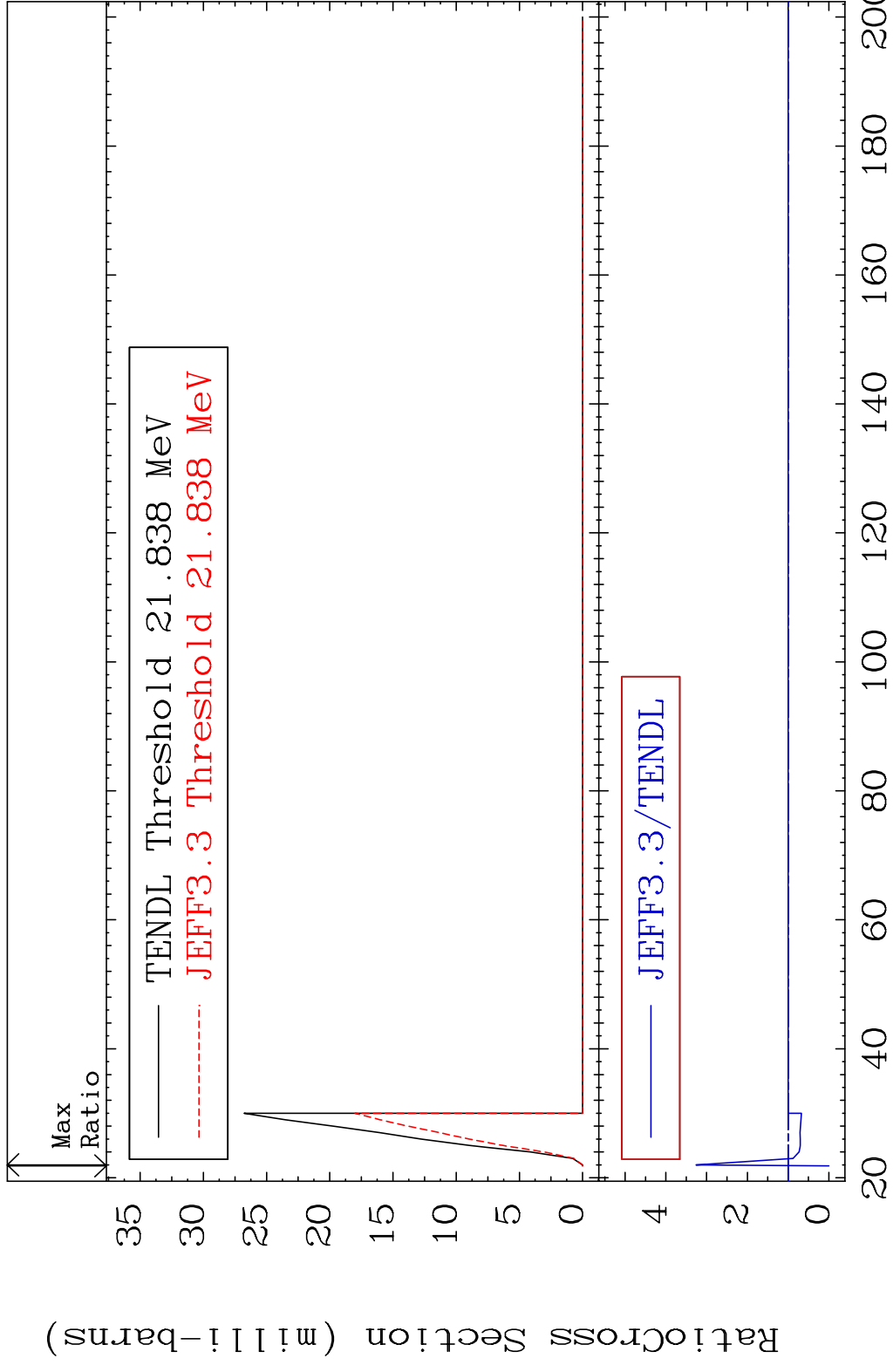
(n,2n)

27-Co-57

Cross Section -100.0 To 8.411 %



MAT 2719 (n,3n) 27-Co-57  
 Cross Section -100.0 To 226.0 %

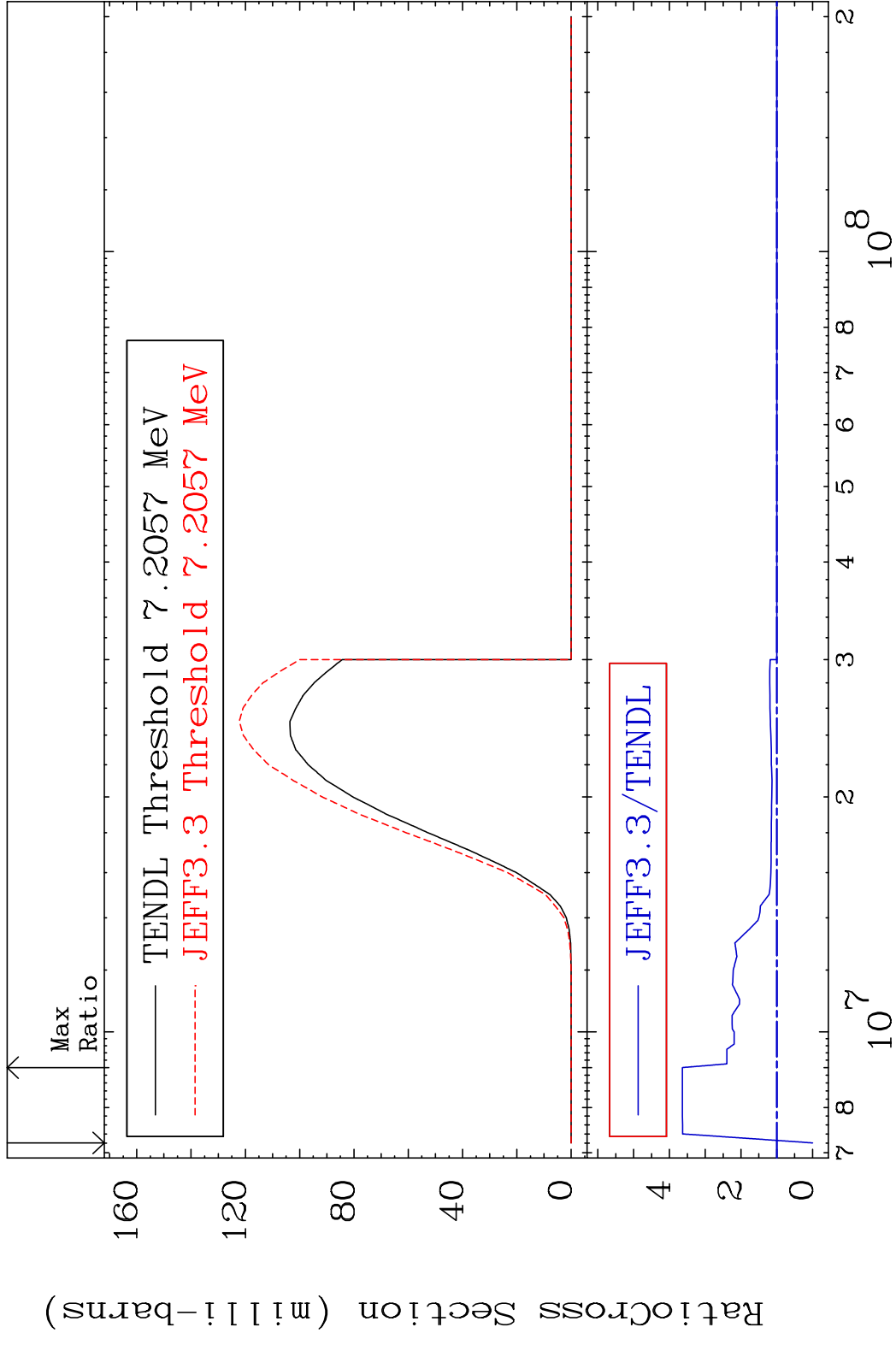


MAT 2719

(n, n')  $\alpha$

27-Co-57

Cross Section -100.0 To 263.9 %



7

Incident Energy (eV)

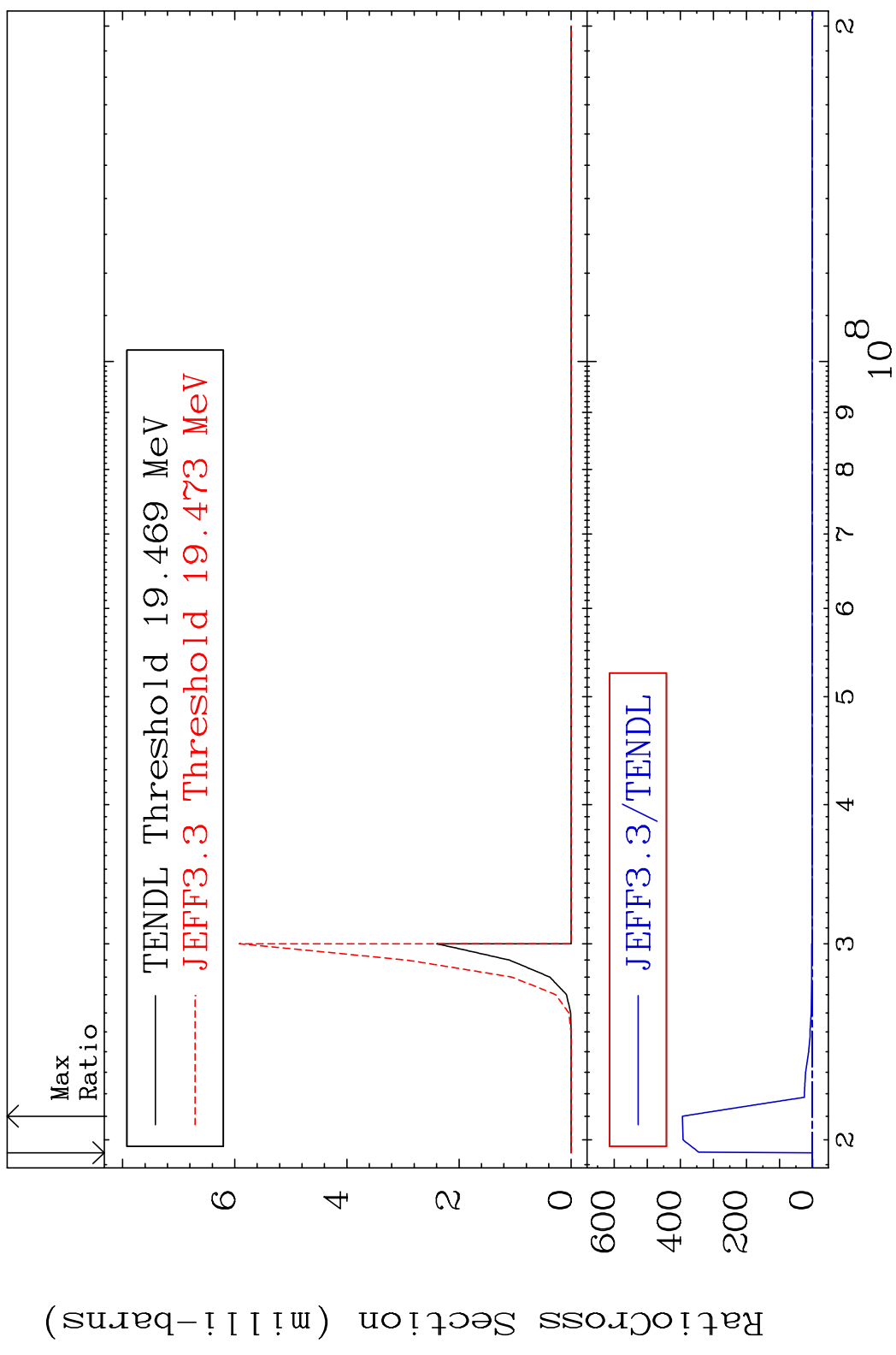
27-Co-57

MAT 2719

(n,2n)  $\alpha$

27-Co-57

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

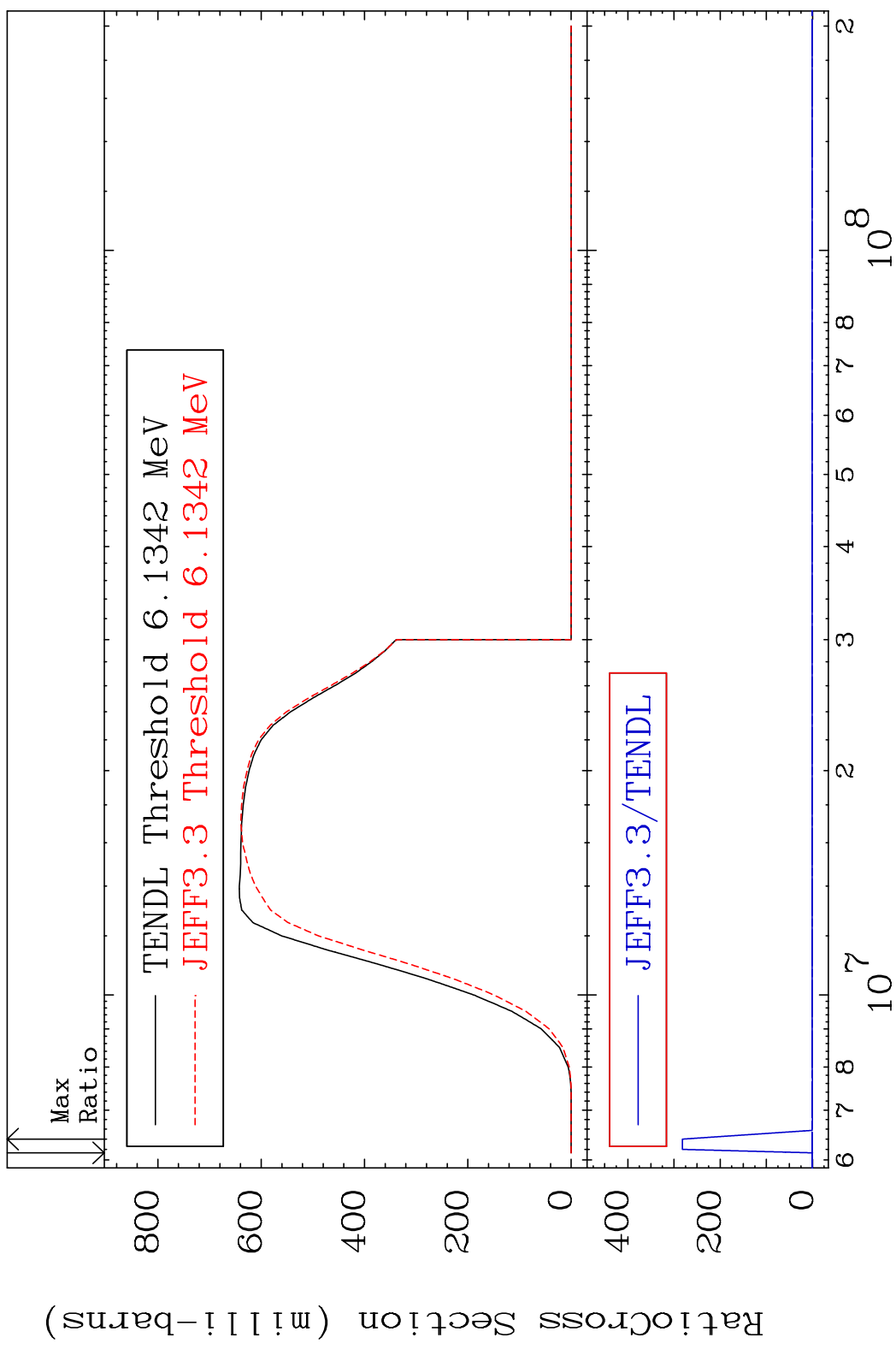
27-Co-57

MAT 2719

(n, n') p

27-Co-57

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

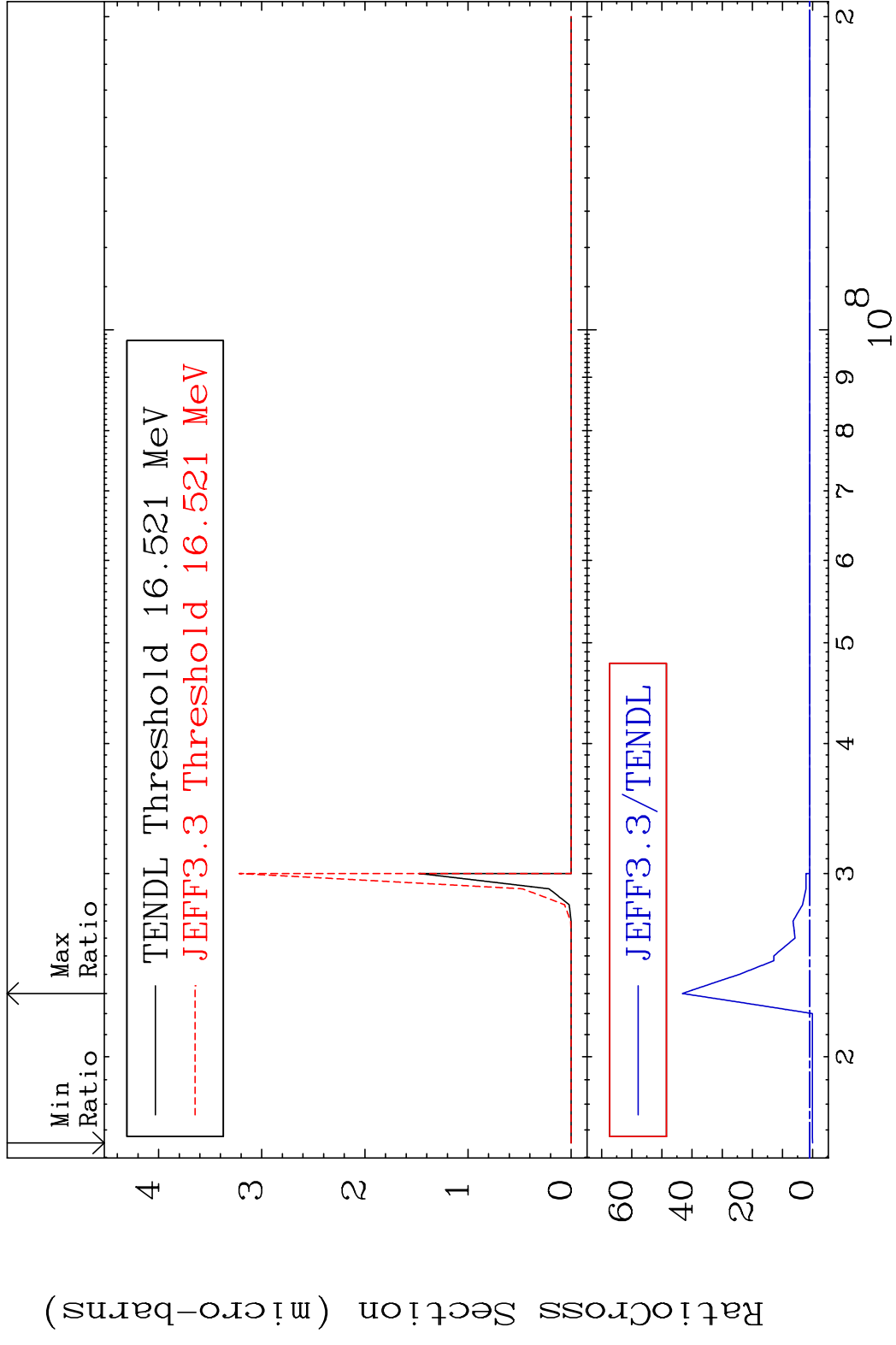
27-Co-57

MAT 2719

(n, n') 2α

27-Co-57

Cross Section -100.0 To 4223. %

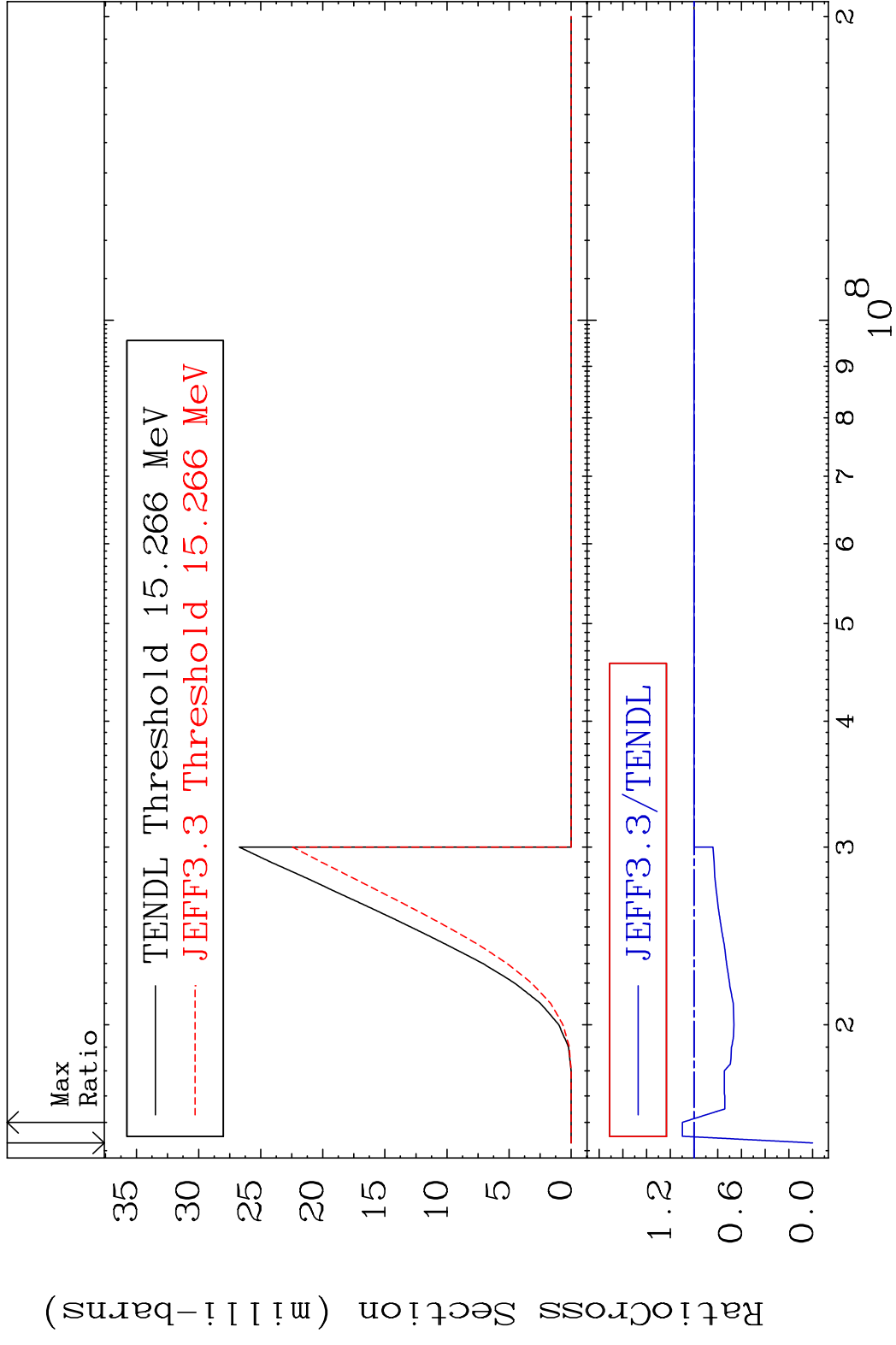


10

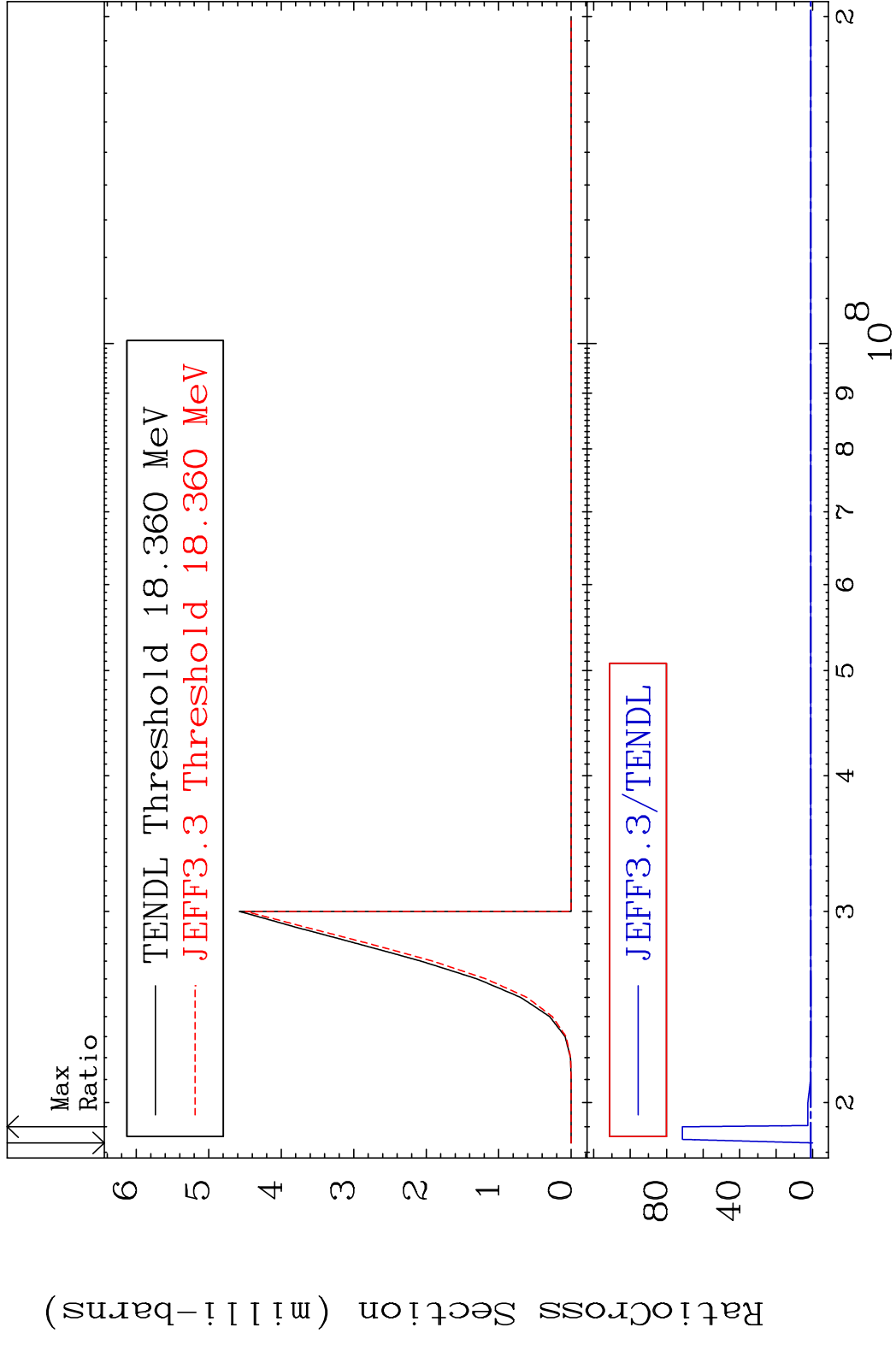
Incident Energy (eV)

27-Co-57

MAT 2719 (n, n') d 27-Co-57  
 Cross Section -100.0 To 9.838 %



MAT 2719 (n, n') t 27-Co-57  
 Cross Section -100.0 To 7040. %

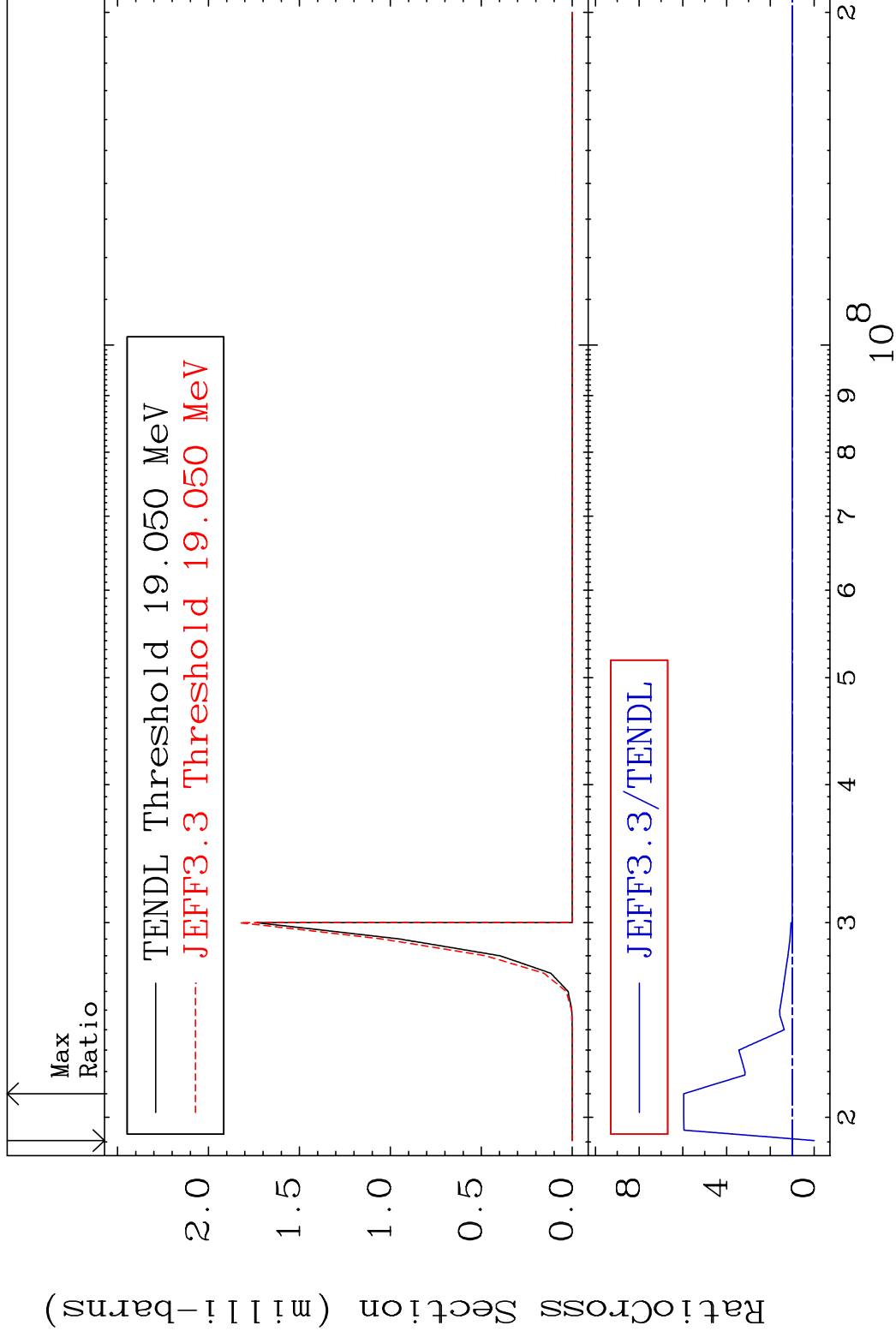


MAT 2719

(n,n') He-3

27-Co-57

Cross Section -100.0 To 496.5 %

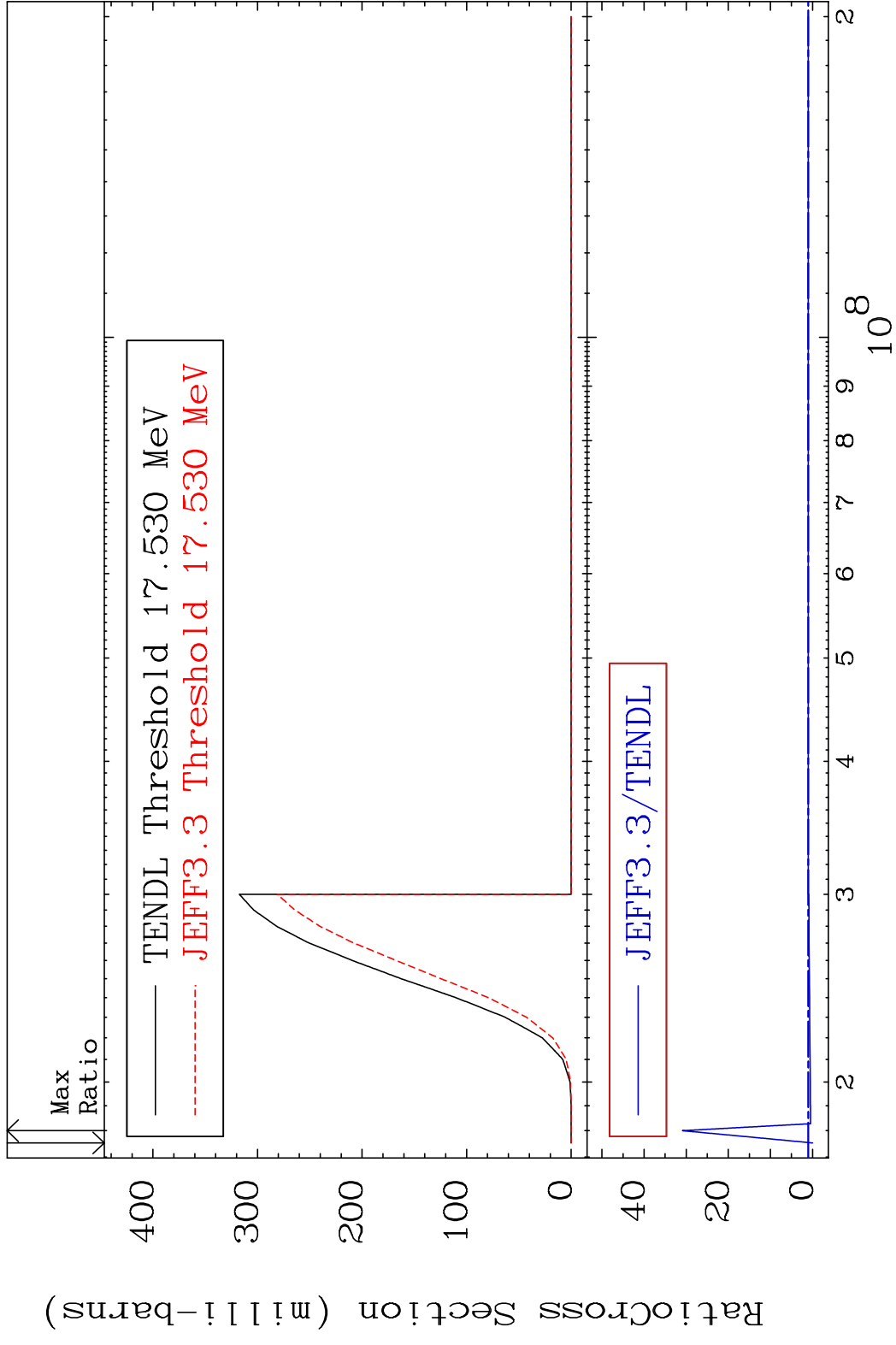


MAT 2719

(n,2n) p

27-Co-57

Cross Section -100.0 To 2991. %

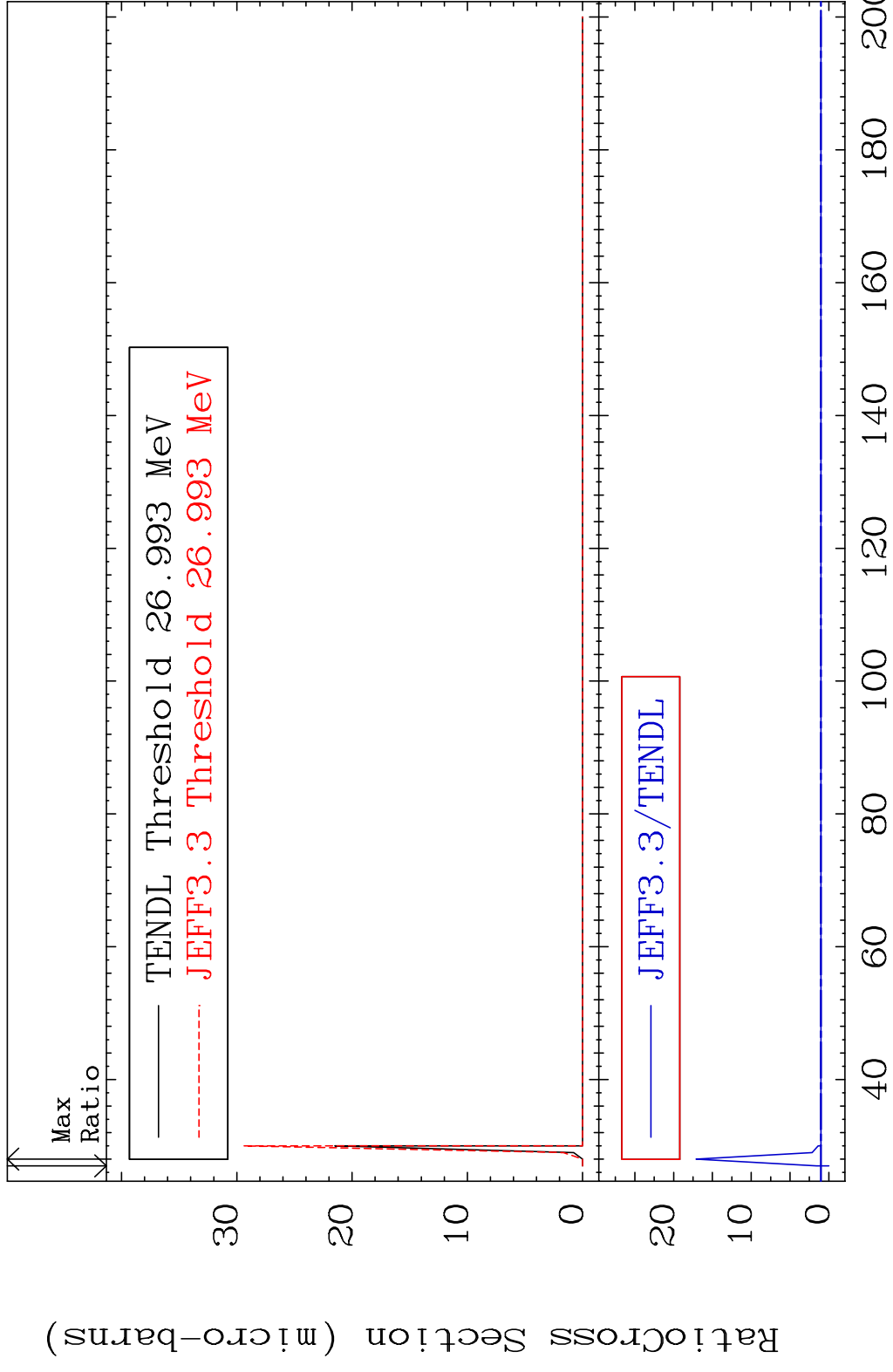


MAT 2719

(n,3n) p

27-Co-57

Cross Section -100.0 To 1611. %

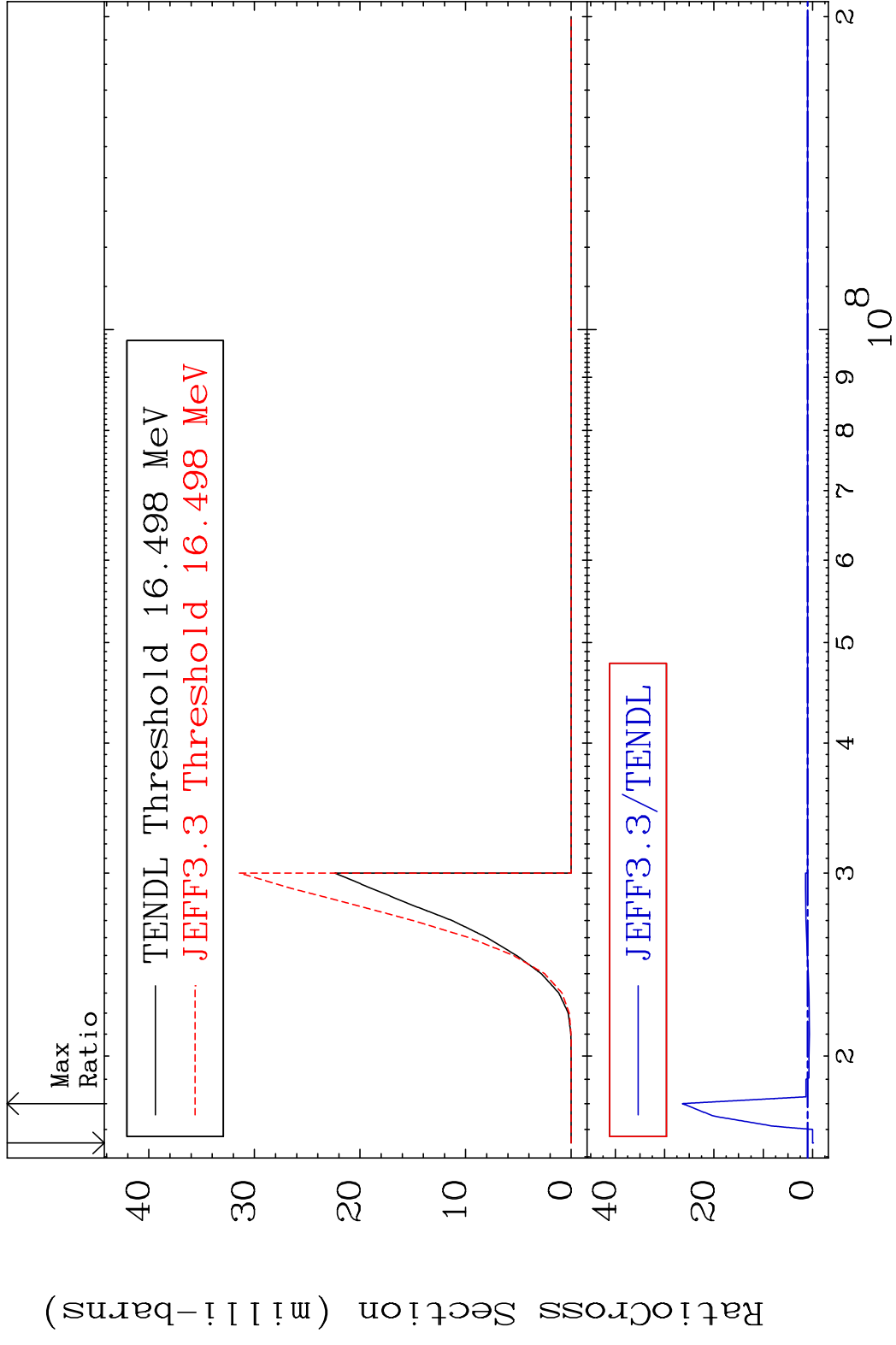


MAT 2719

(n,2n) p

27-Co-57

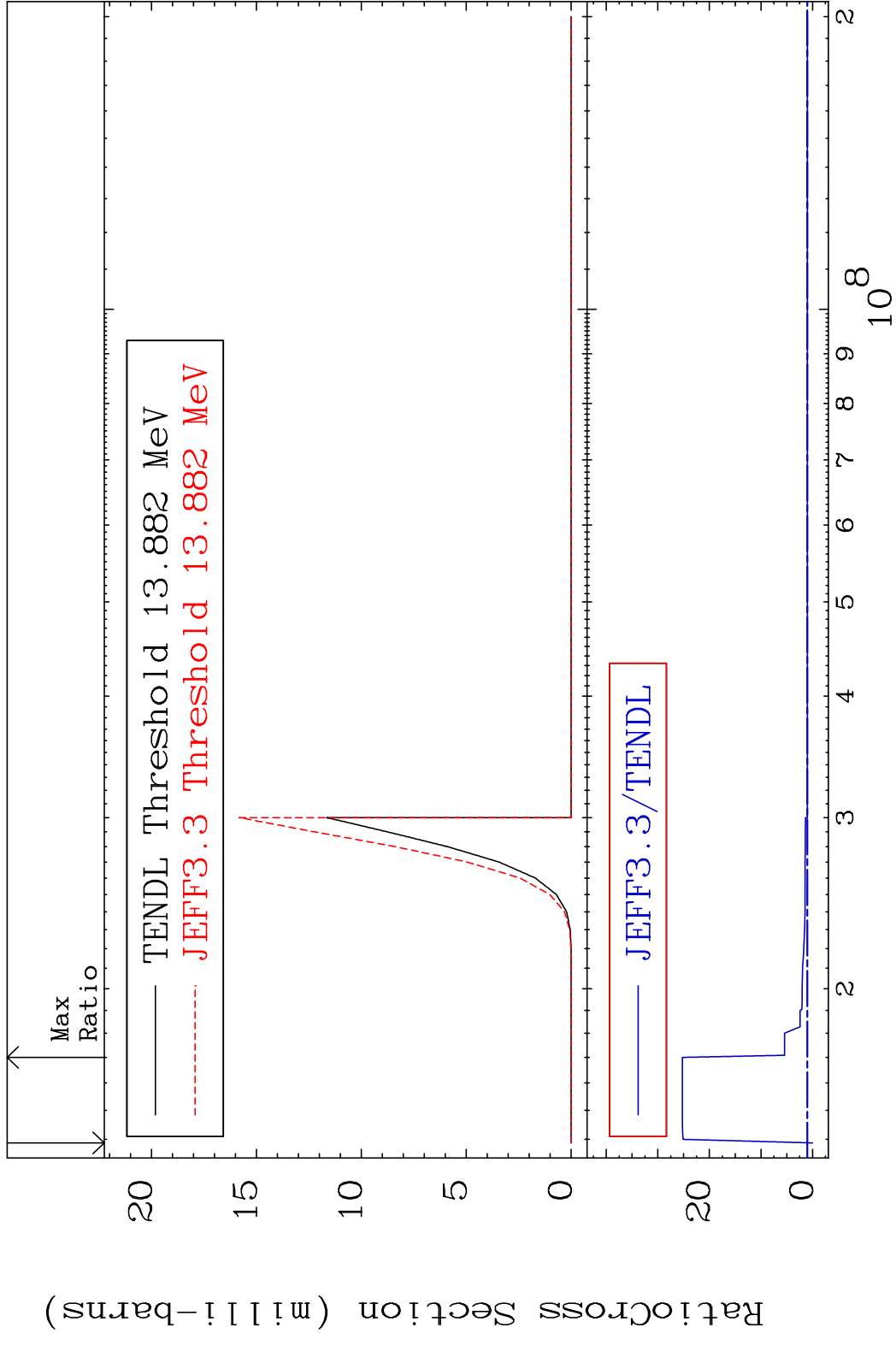
Cross Section -100.0 To 2541. %



MAT 2719

(n,n') p  $\alpha$  27-Co-57

Cross Section -100.0 To 2425. %

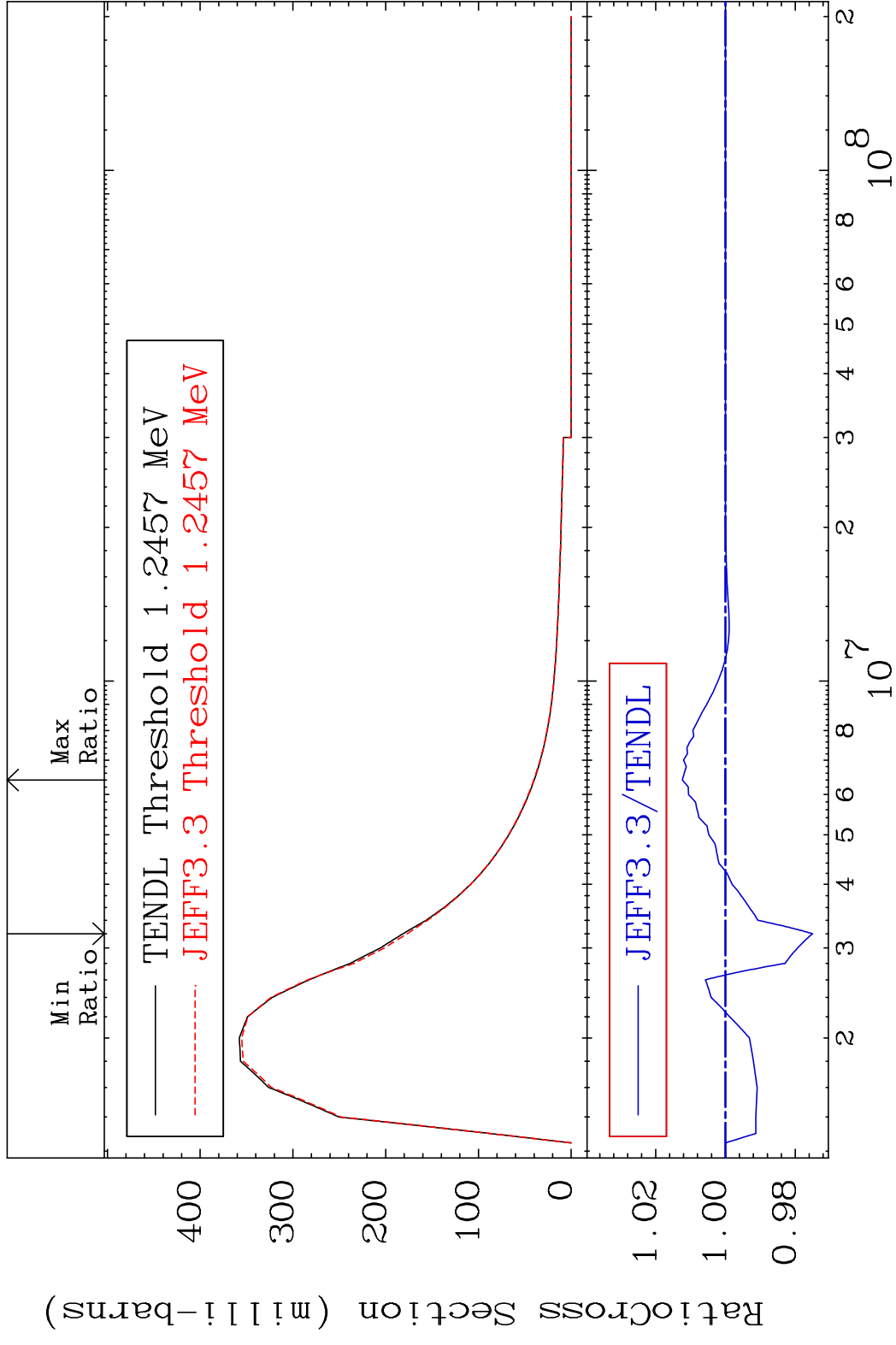


MAT 2719

MT= 51 (n, n') Level

27-Co-57

Cross Section -2.495 To 1.234 %

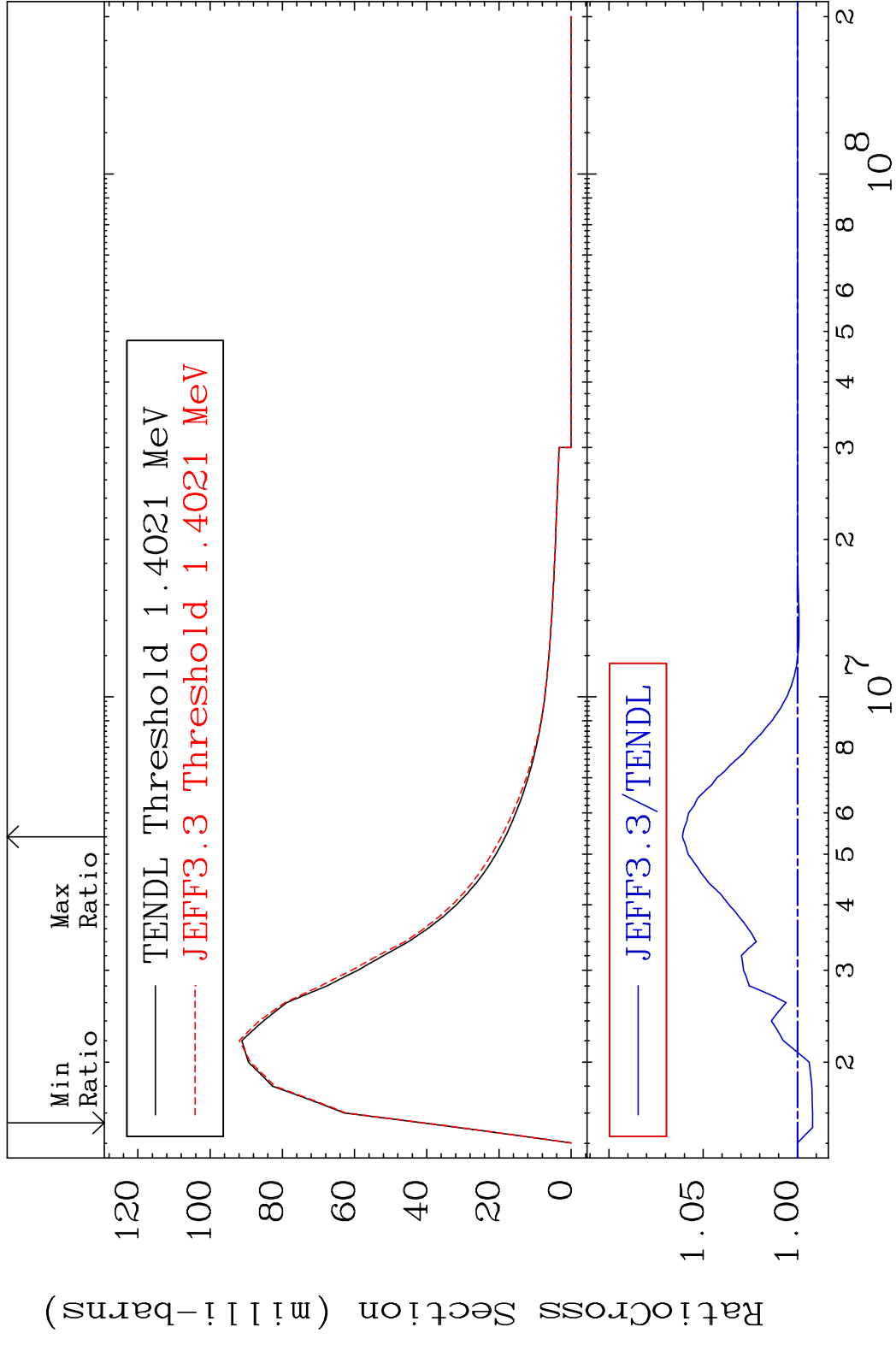


MAT 2719

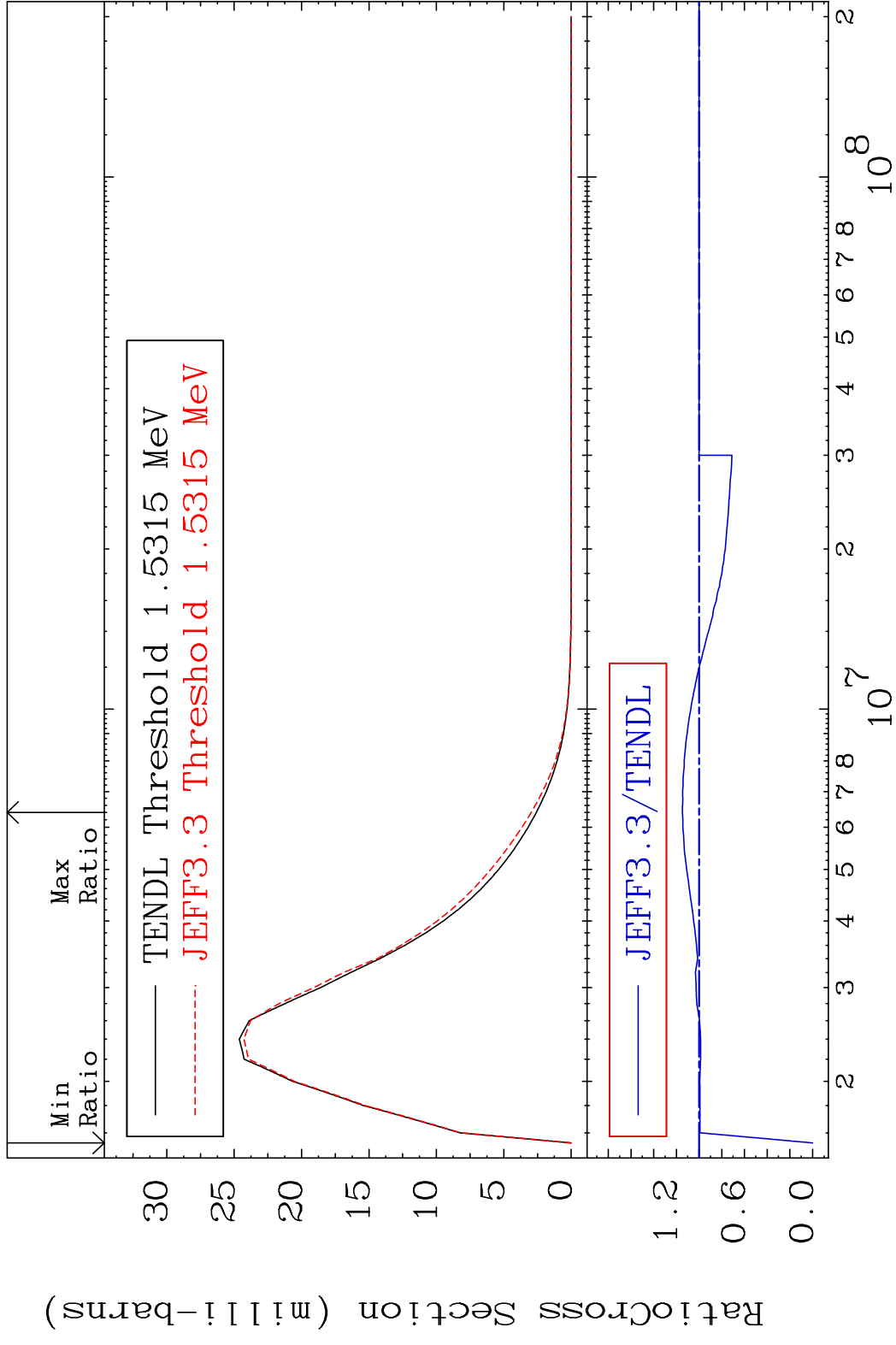
MT= 52 (n,n') Level

27-Co-57

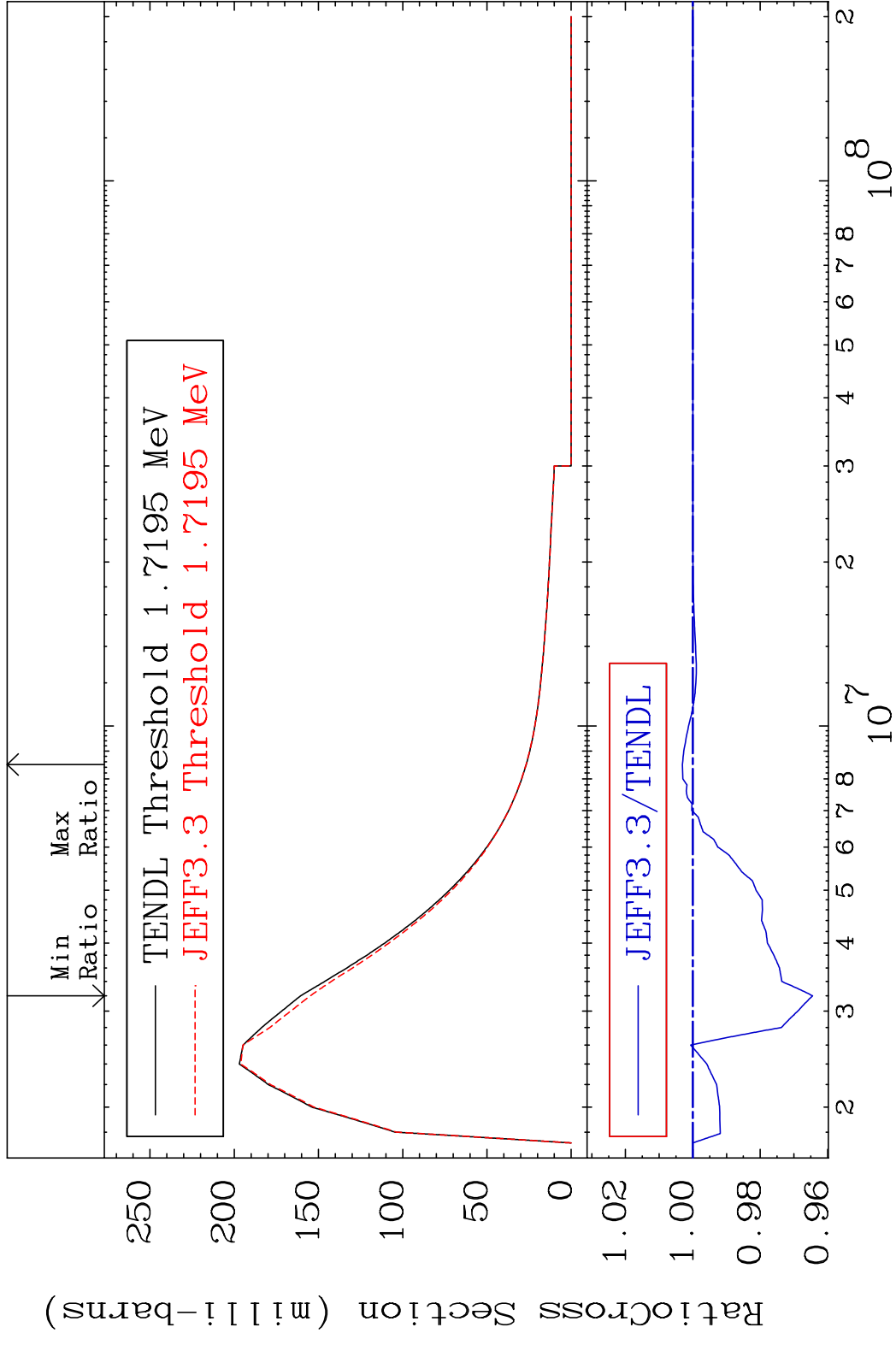
Cross Section -0.800 To 6.106 %



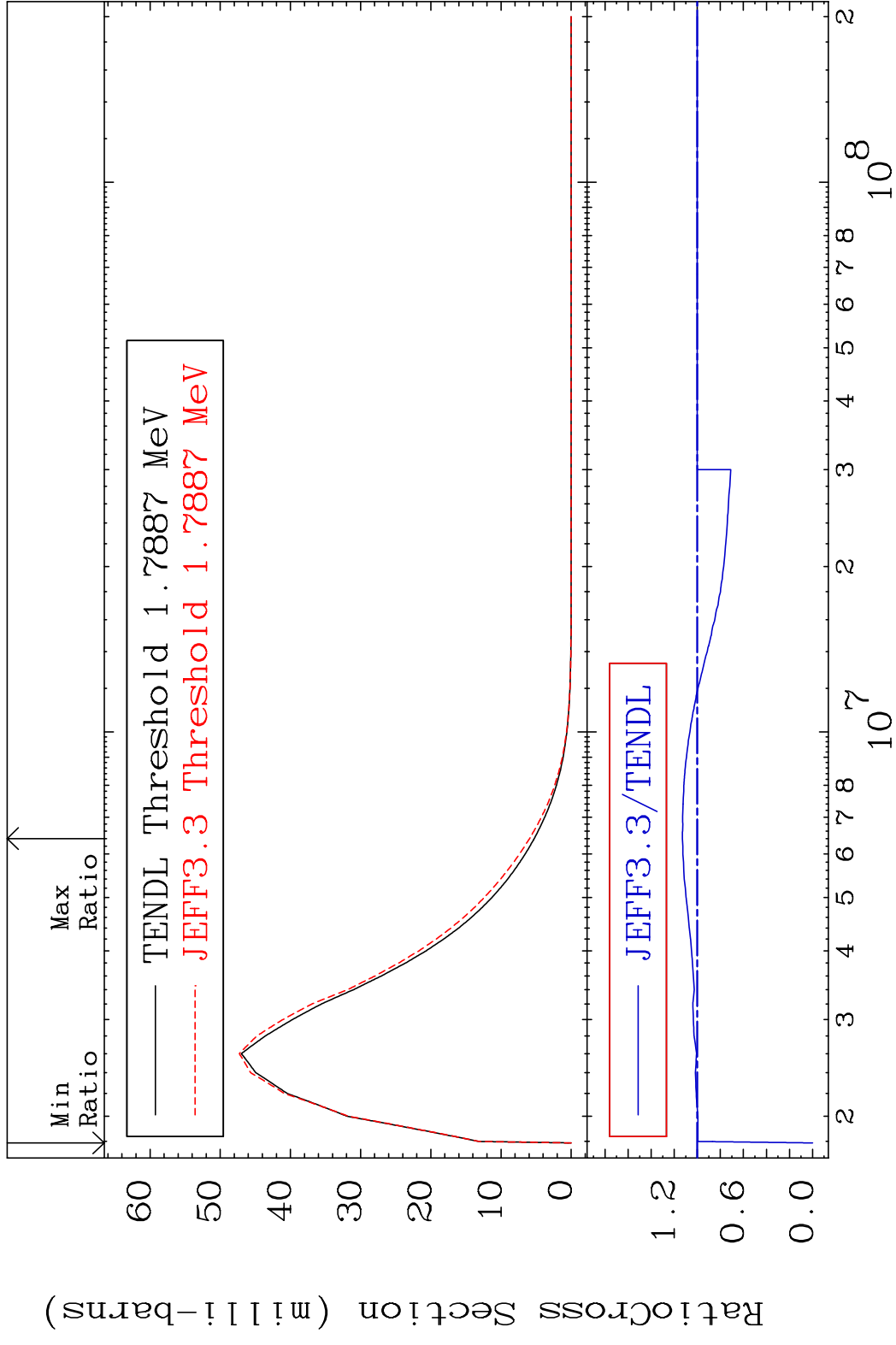
MAT 2719 MT= 53 (n, n') Level 27-Co-57  
 Cross Section -100.0 To 14.73 %



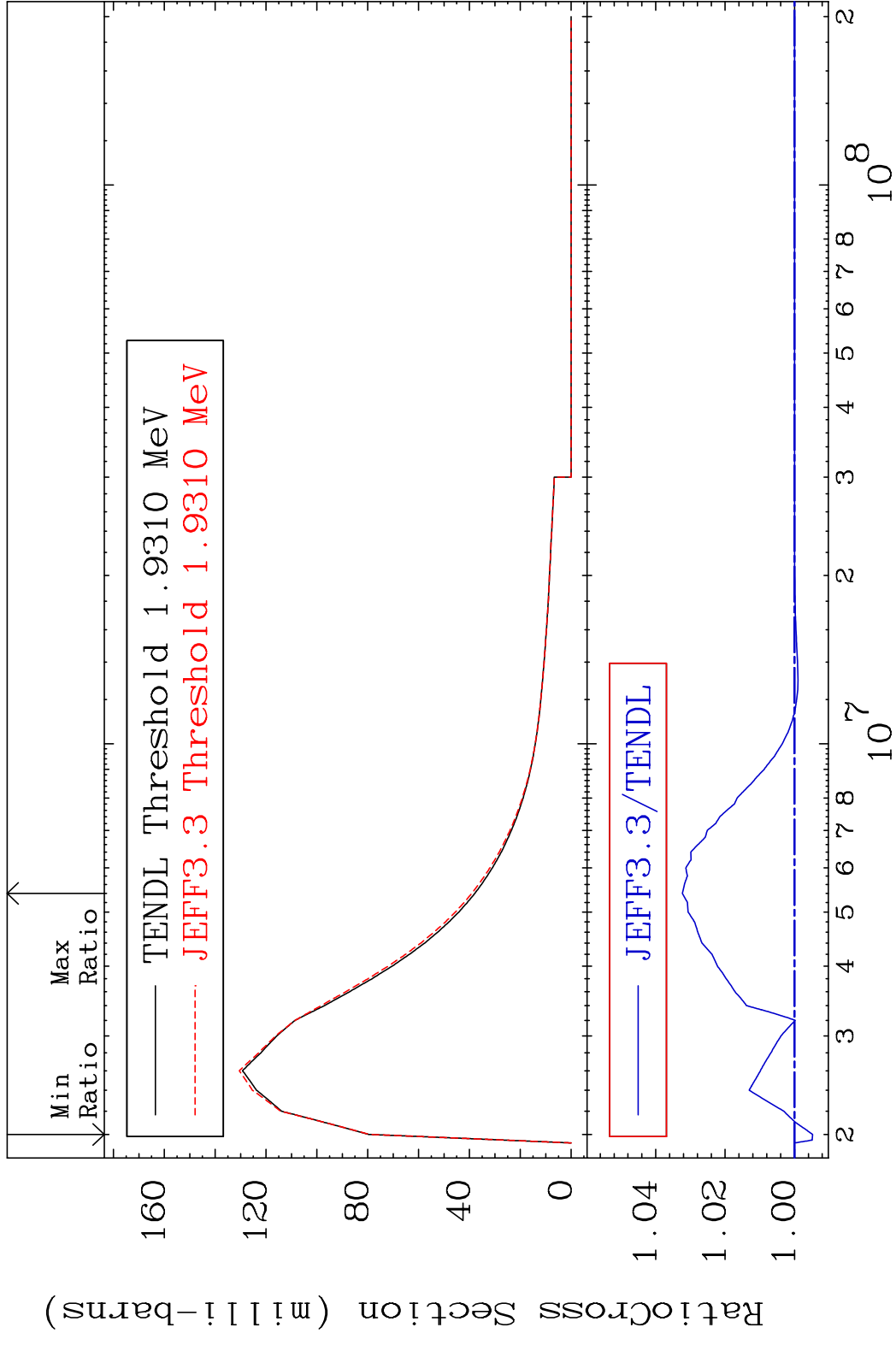
MAT 2719 MT= 54 (n,n') Level 27-Co-57  
 Cross Section -3.554 To 0.311 %



MAT 2719      MT= 55 (n, n') Level      27-Co-57  
 Cross Section    -100.0 To 12.95 %

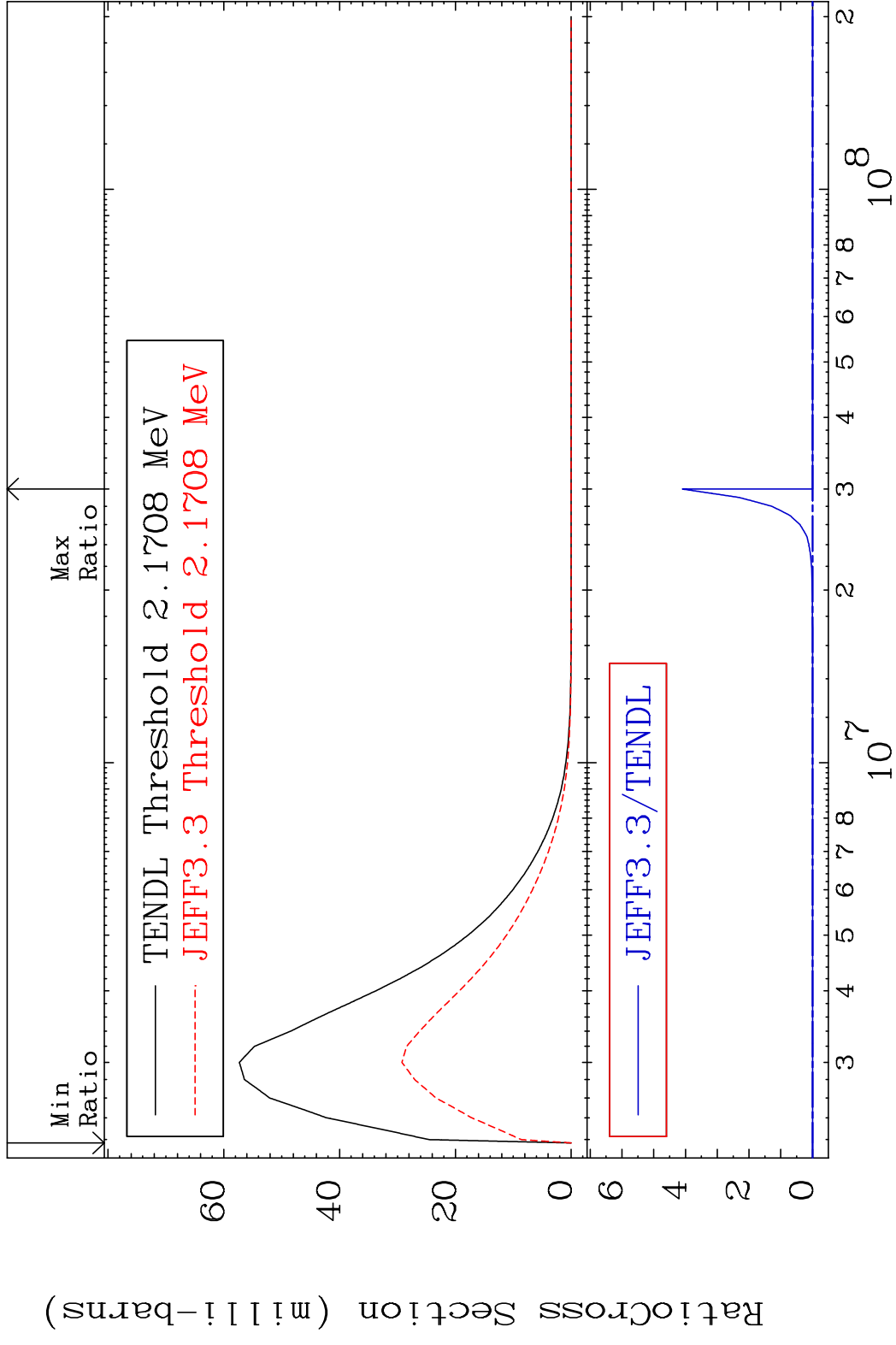


MAT 2719 MT= 56 (n,n') Level 27-Co-57  
 Cross Section -0.520 To 3.233 %





MAT 2719 MT= 58 (n, n') Level 27-Co-57  
 Cross Section -100.0 To 9999. %



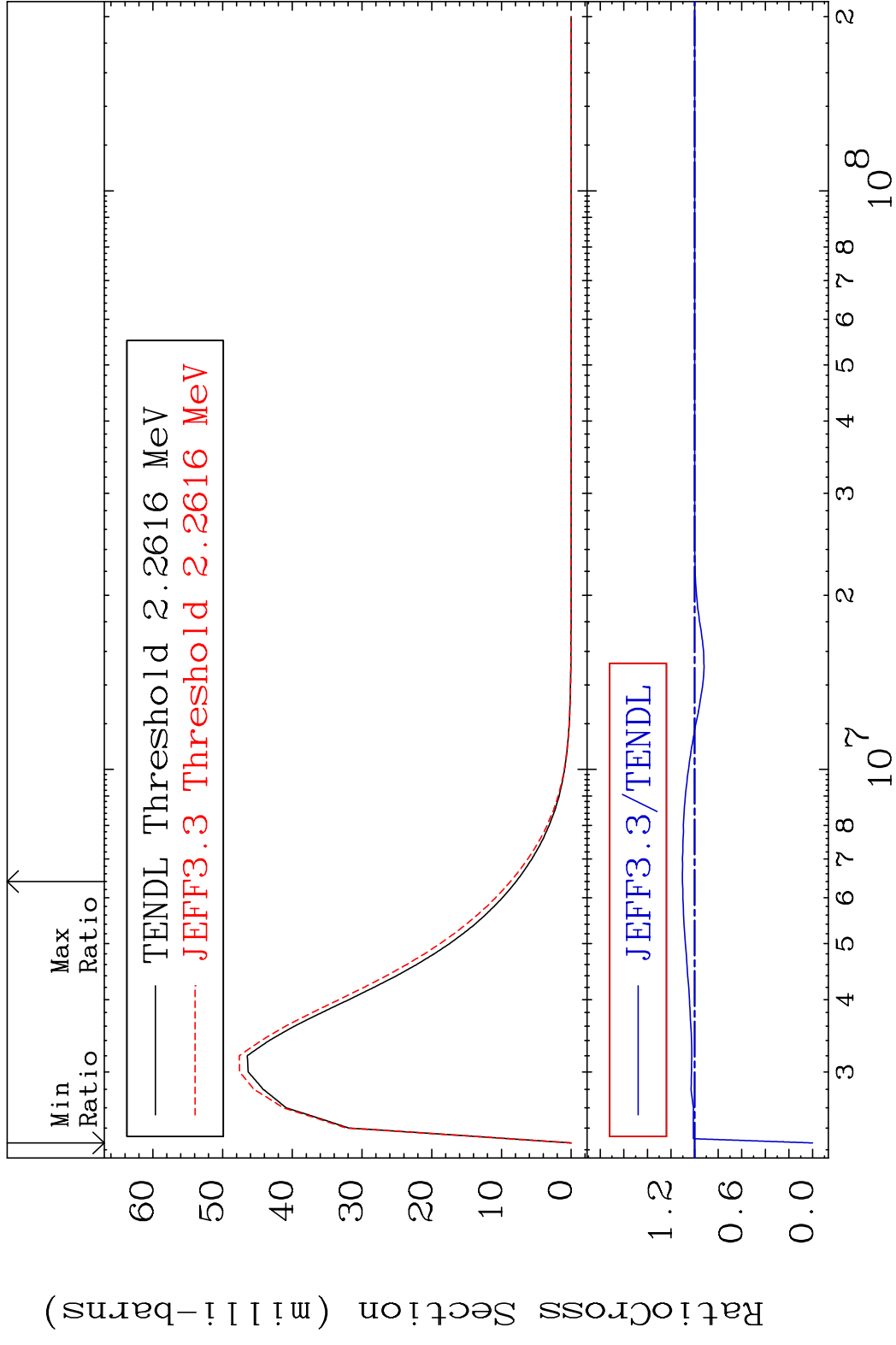
25 Incident Energy (eV) 27-Co-57

MAT 2719

MT= 59 (n, n') Level

27-Co-57

Cross Section -100.0 To 10.38 %

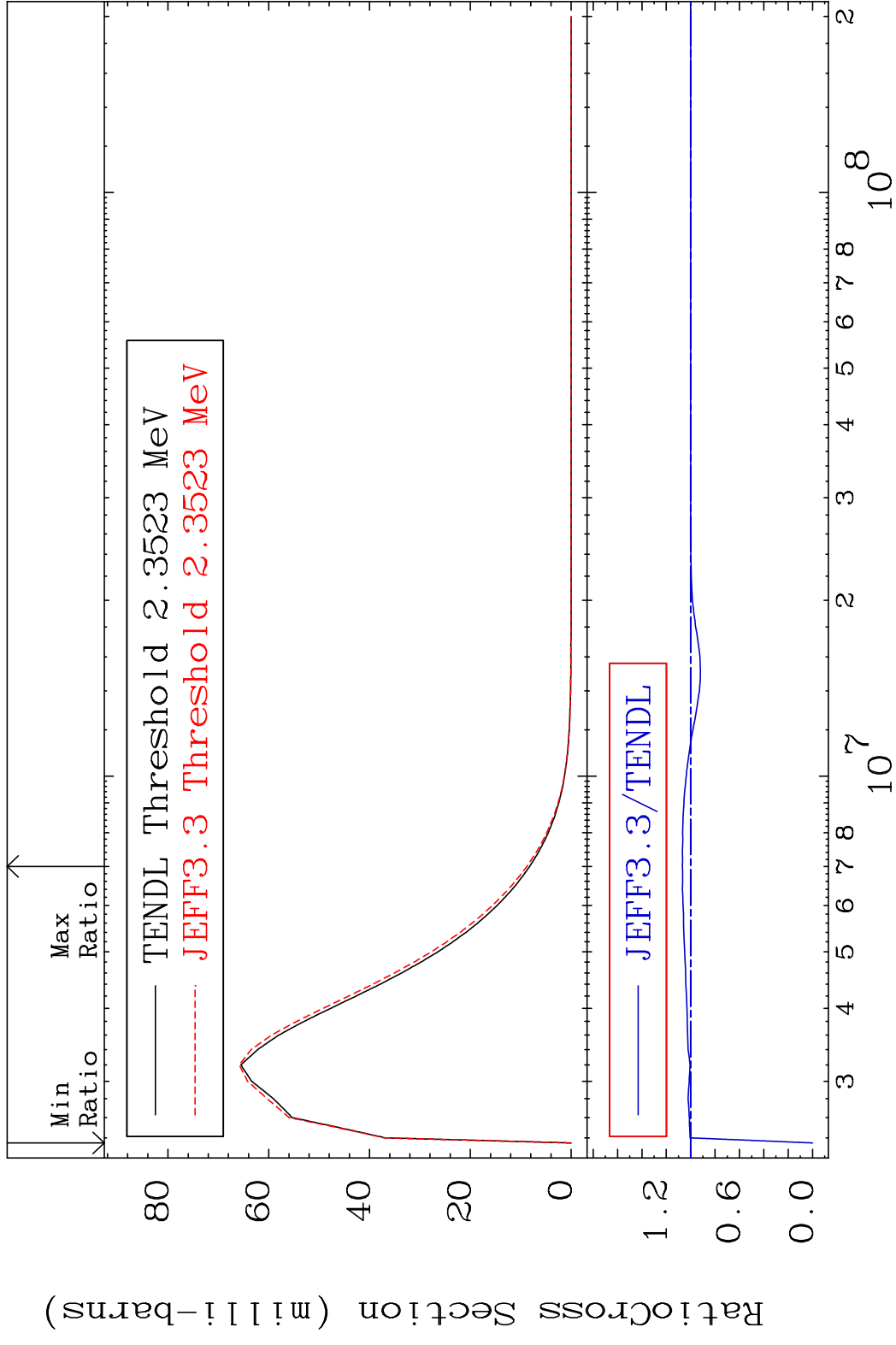


MAT 2719

MT= 60 (n, n') Level

27-Co-57

Cross Section -100.0 To 6.829 %

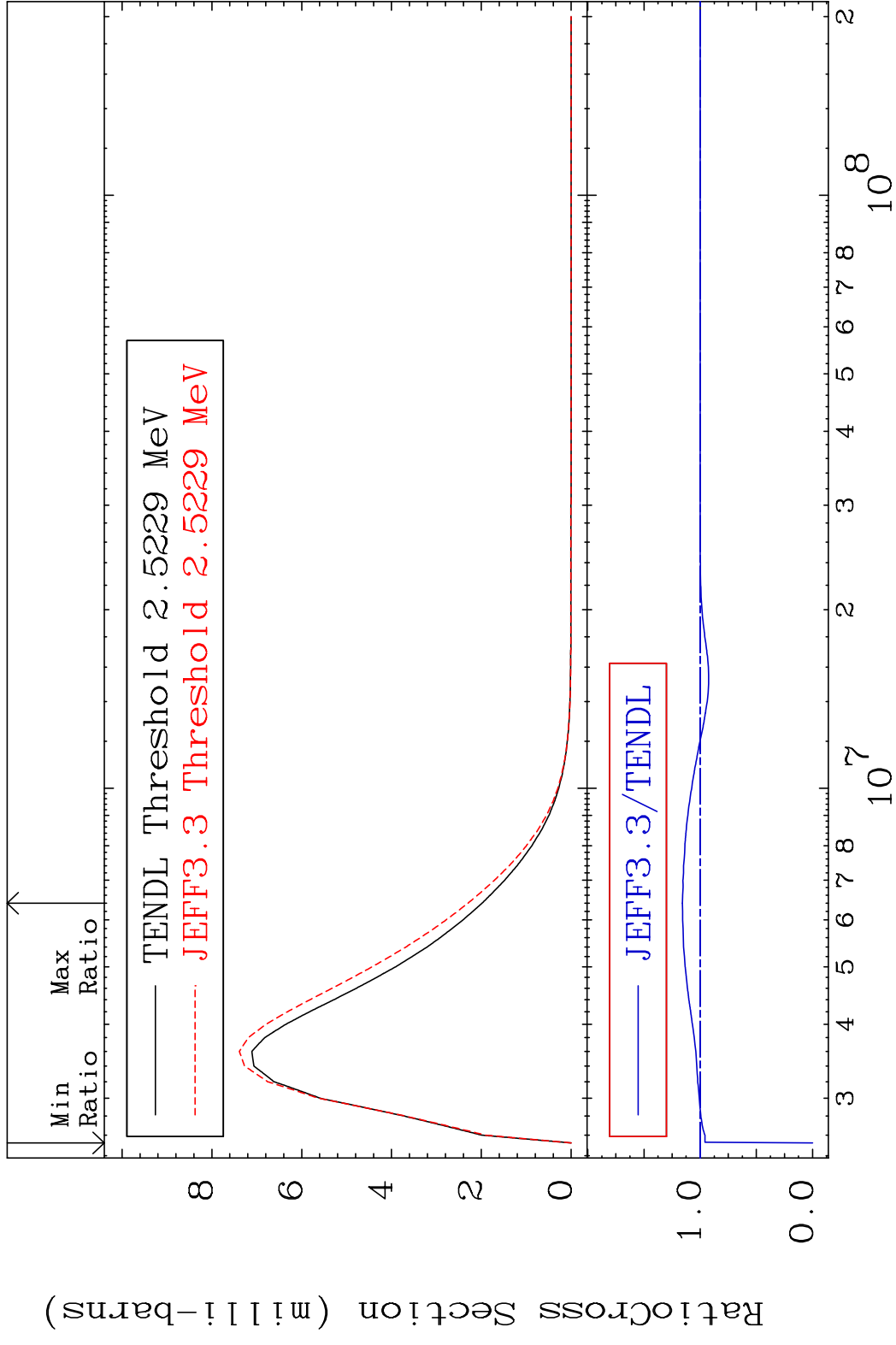


MAT 2719

MT= 61 (n, n') Level

27-Co-57

Cross Section -100.0 To 15.84 %

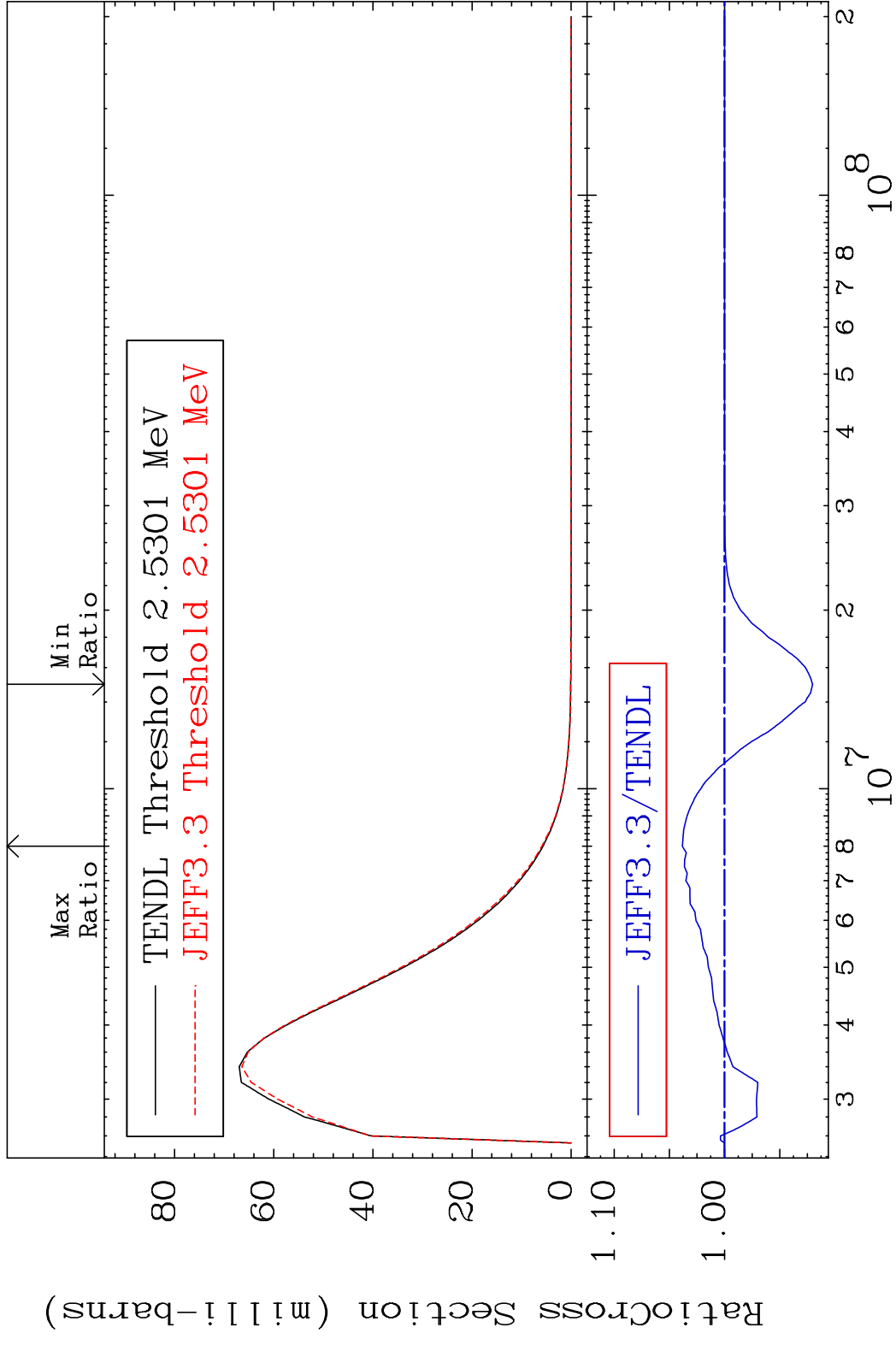


MAT 2719

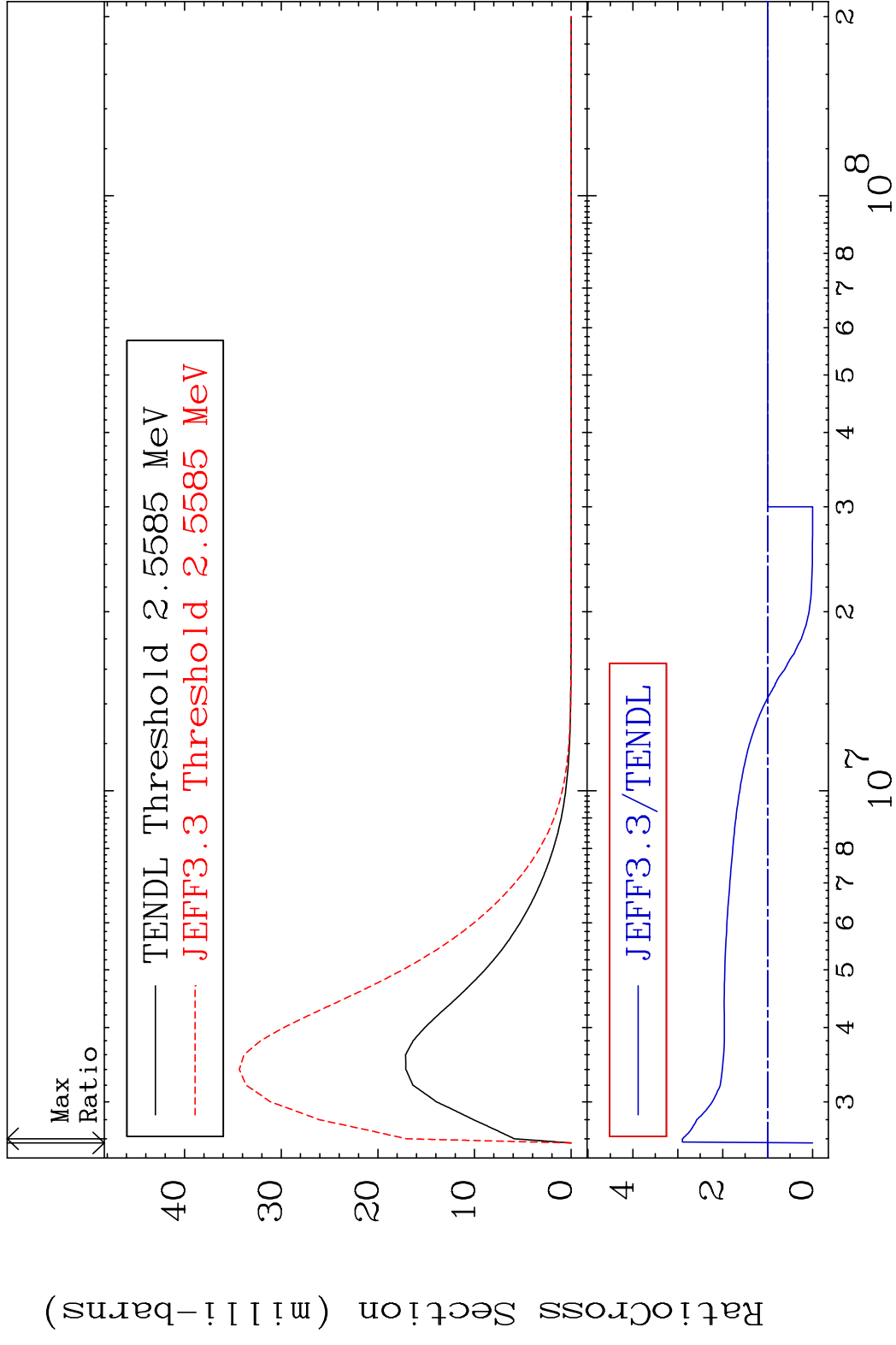
MT= 62 (n, n') Level

27-Co-57

Cross Section -7.976 To 3.823 %

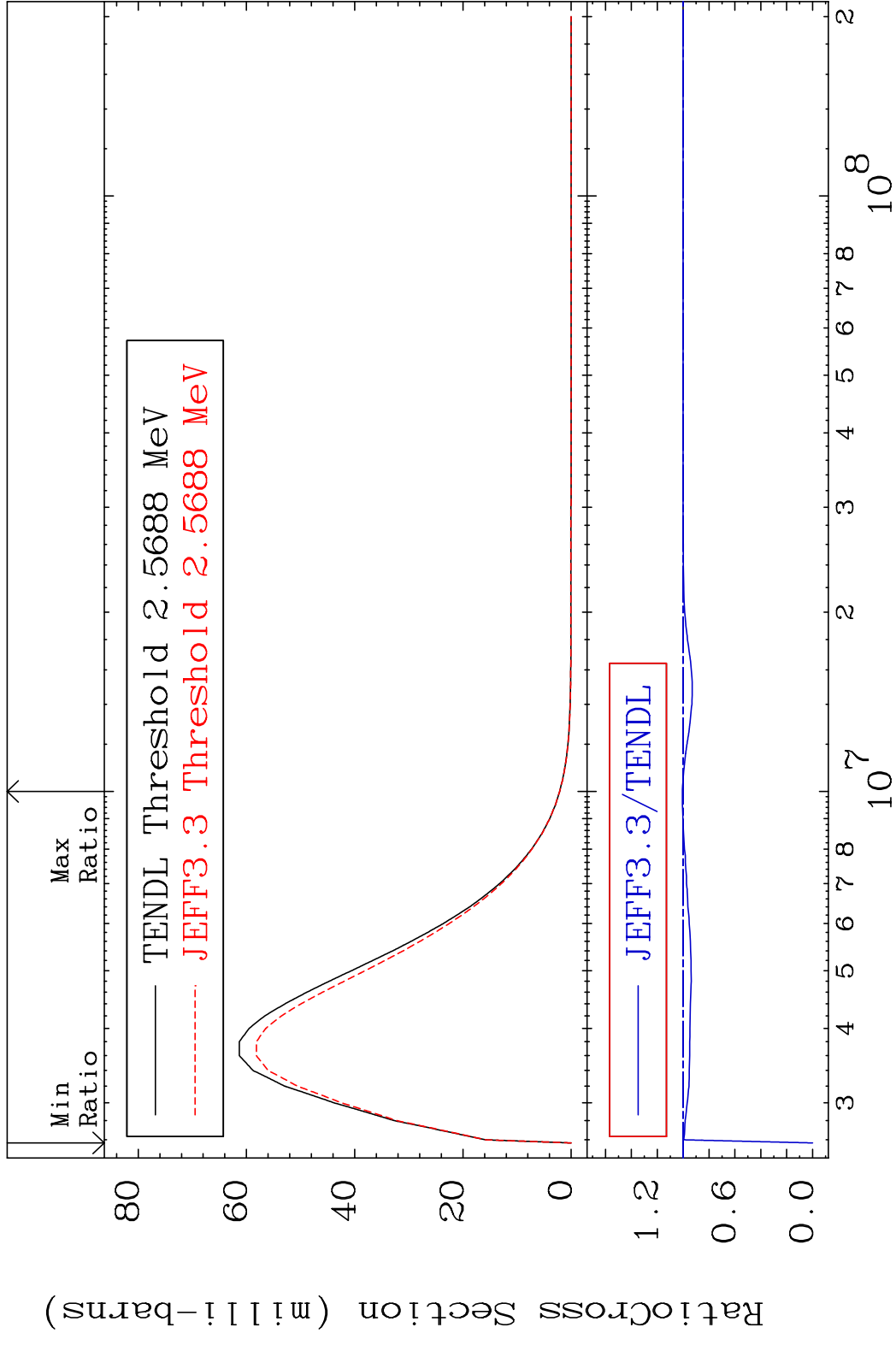


MAT 2719      MT= 63 (n, n') Level      27-Co-57  
 Cross Section    -100.0 To 189.8 %

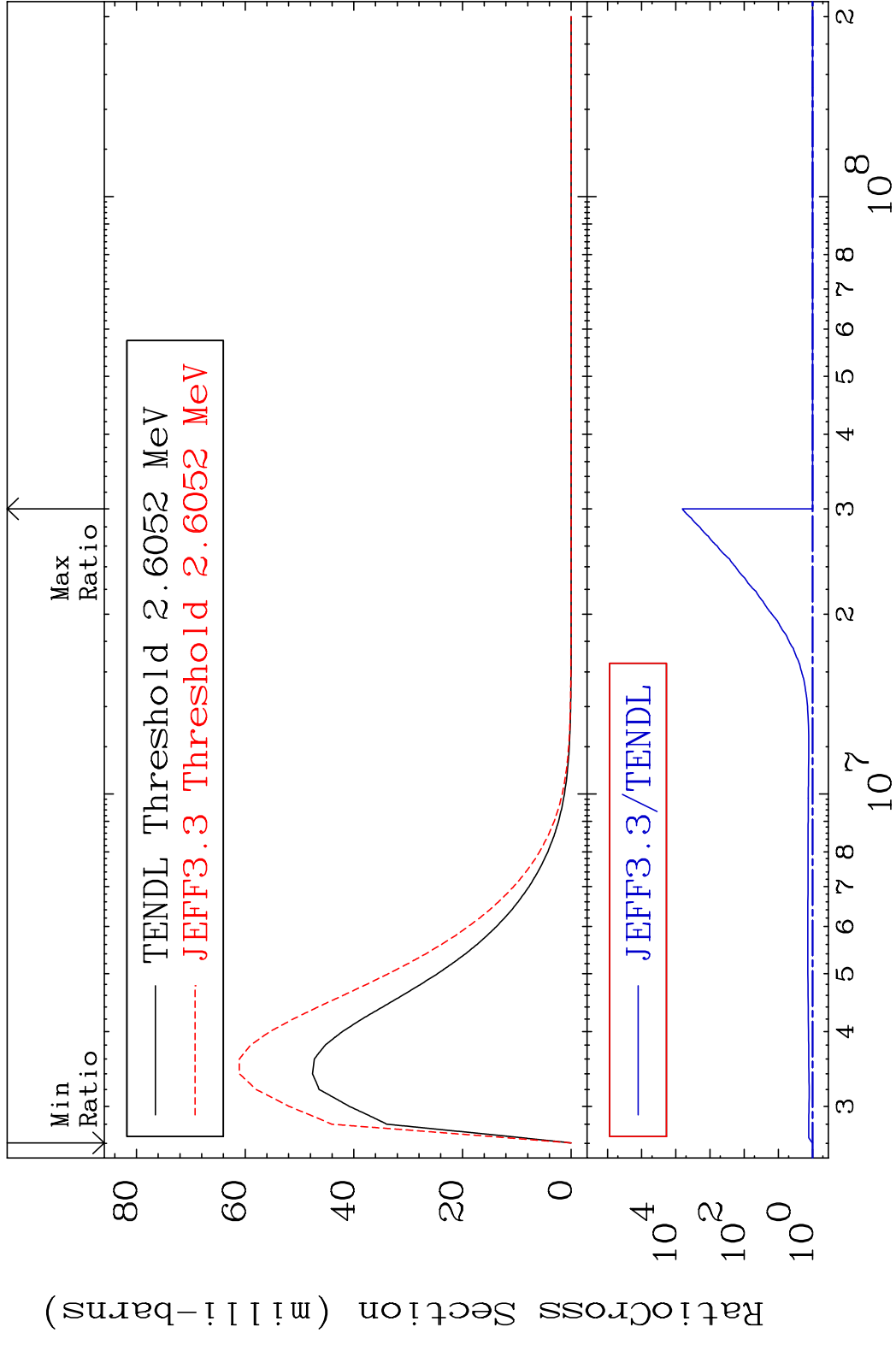


30      Incident Energy (eV)      27-Co-57

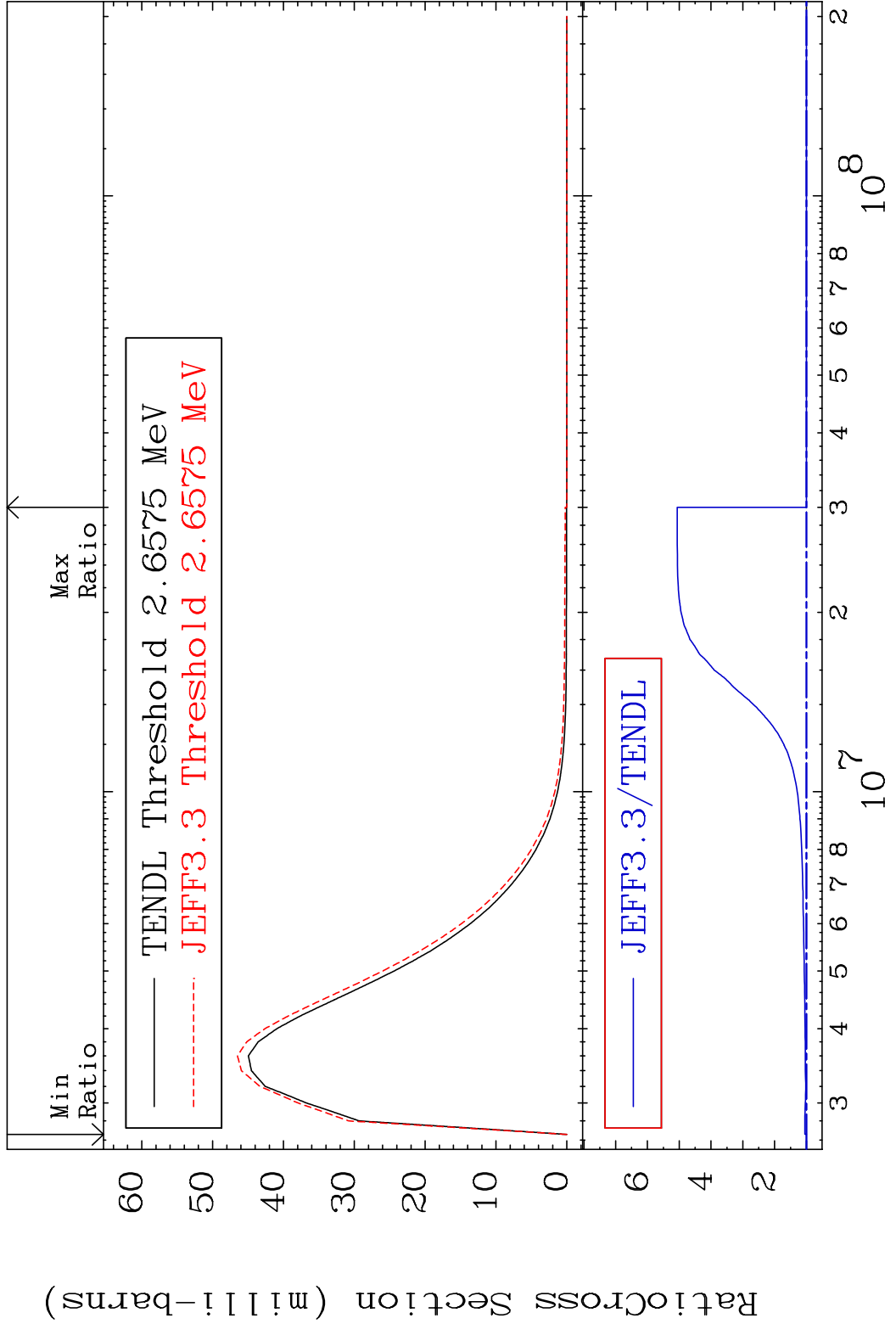
MAT 2719 MT= 64 (n, n') Level 27-Co-57  
 Cross Section -100.0 To 0.613 %



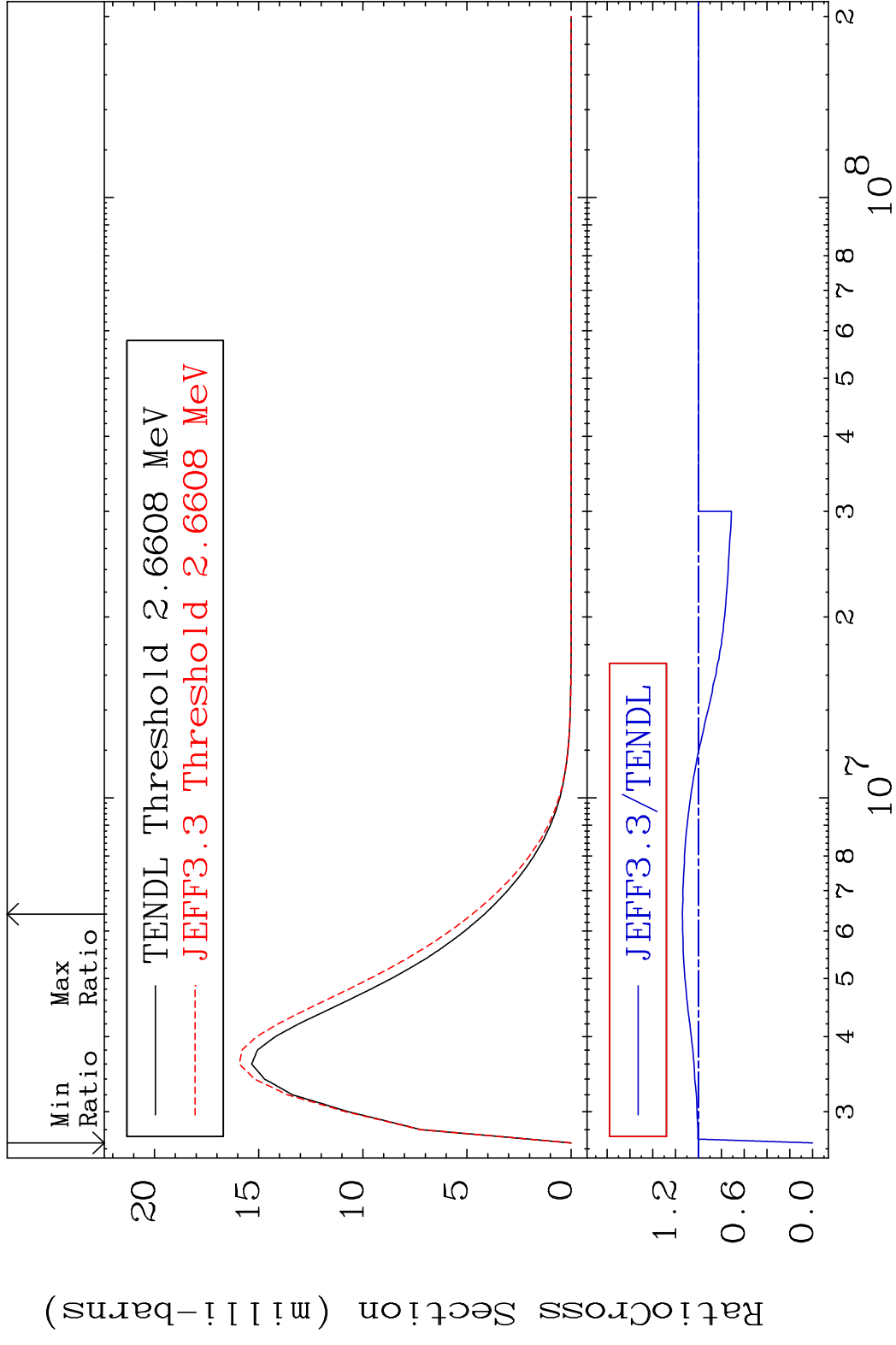
MAT 2719 MT= 65 (n, n') Level 27-Co-57  
 Cross Section 0.000 To 9999. %



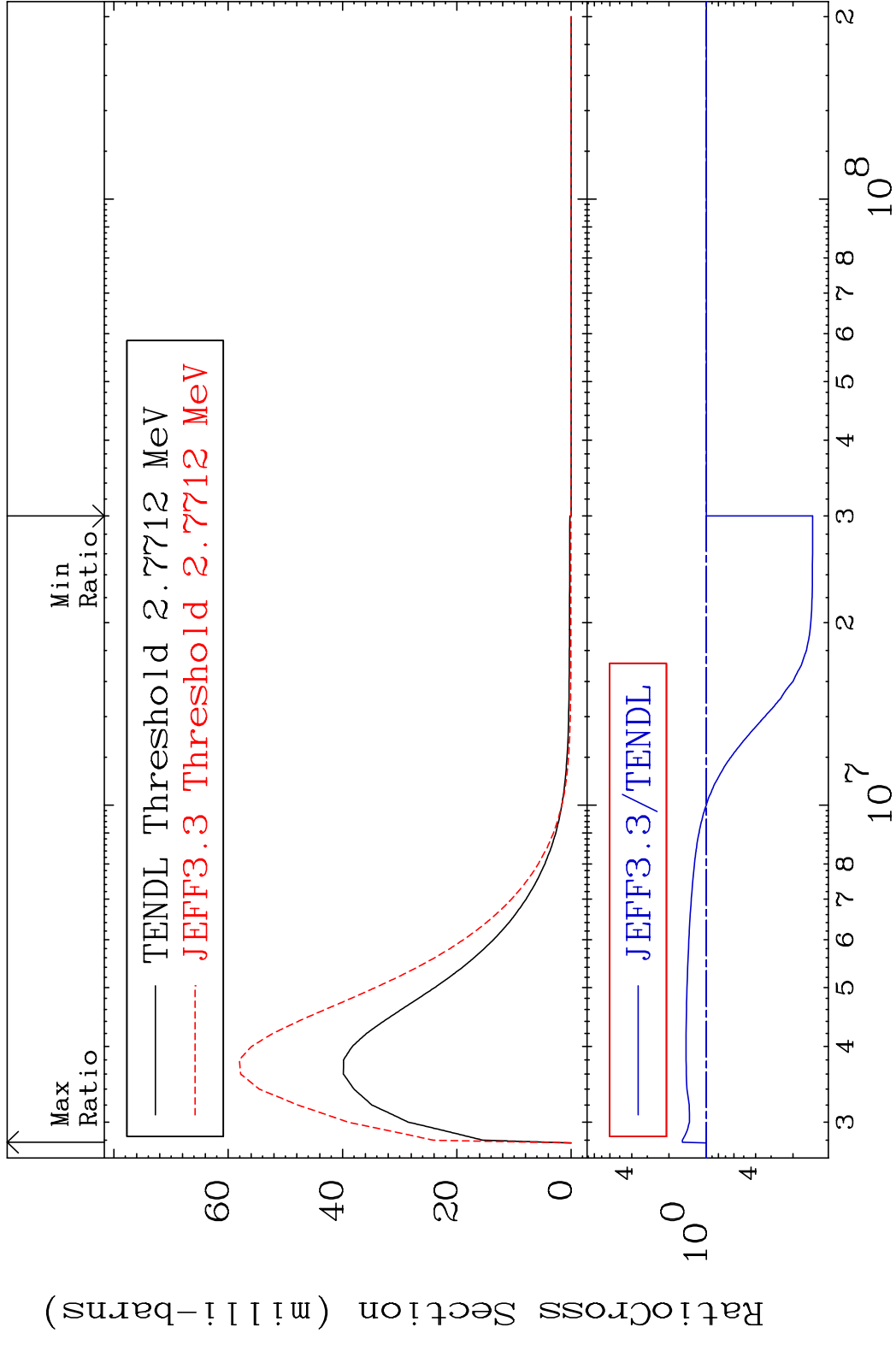
MAT 2719 MT= 66 (n, n') Level 27-Co-57  
 Cross Section 0.000 To 406.5 %



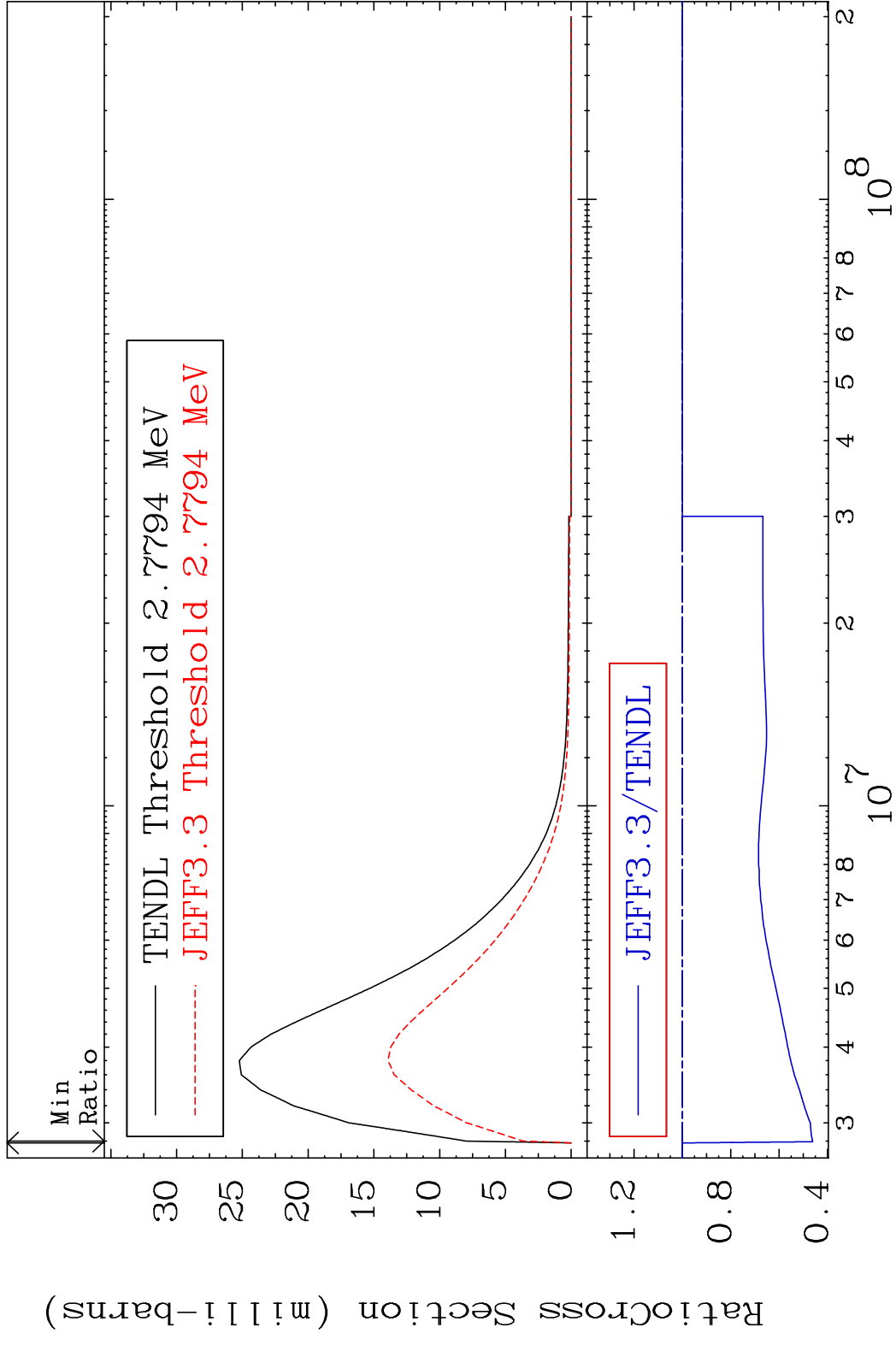
MAT 2719 MT= 67 (n, n') Level 27-Co-57  
 Cross Section -100.0 To 14.12 %



MAT 2719 MT= 68 (n, n') Level 27-Co-57  
 Cross Section -86.10 To 56.17 %



MAT 2719      MT= 69 (n,n') Level      27-Co-57  
 Cross Section    -53.89 To 0.000 %

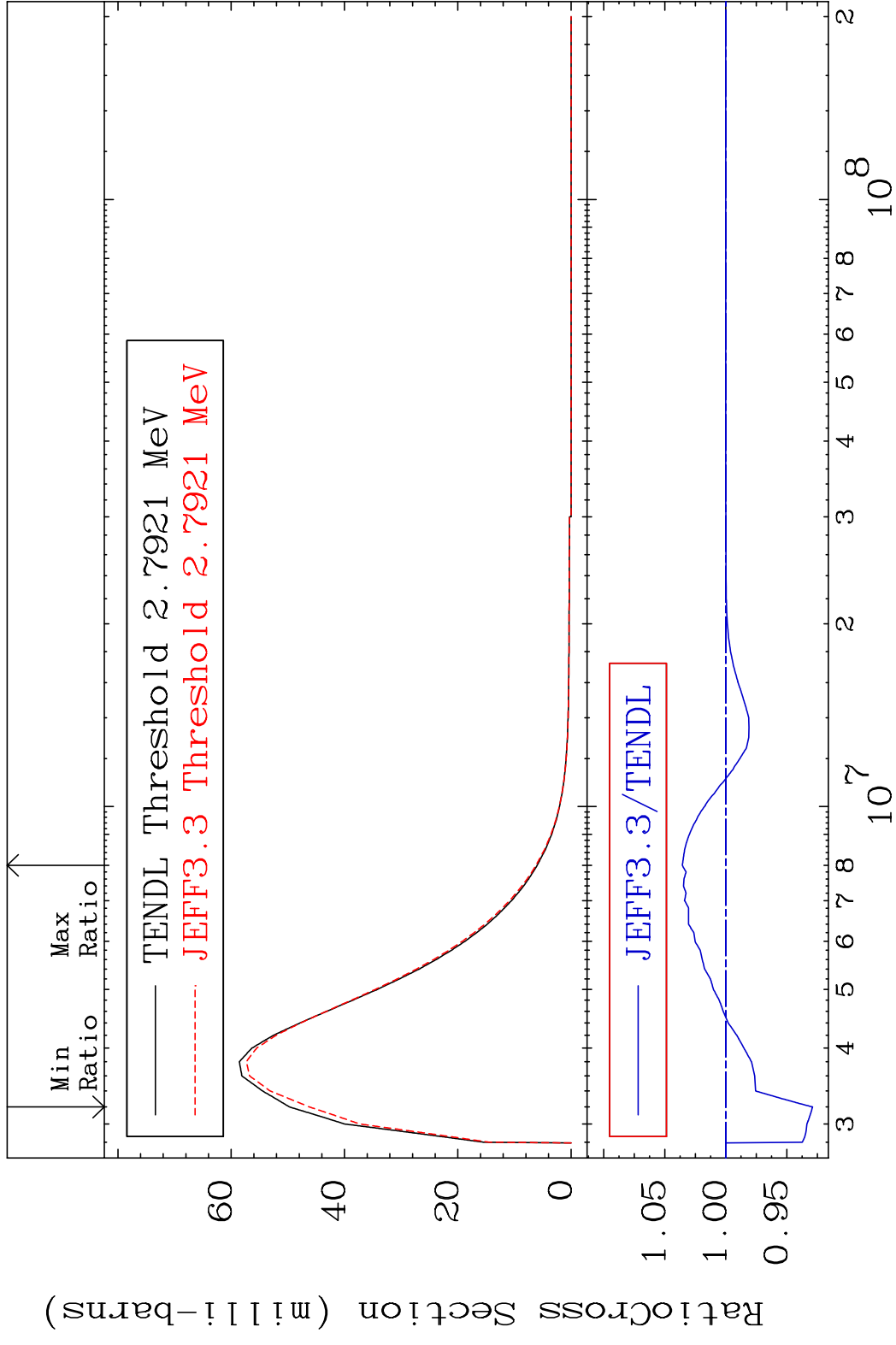


MAT 2719

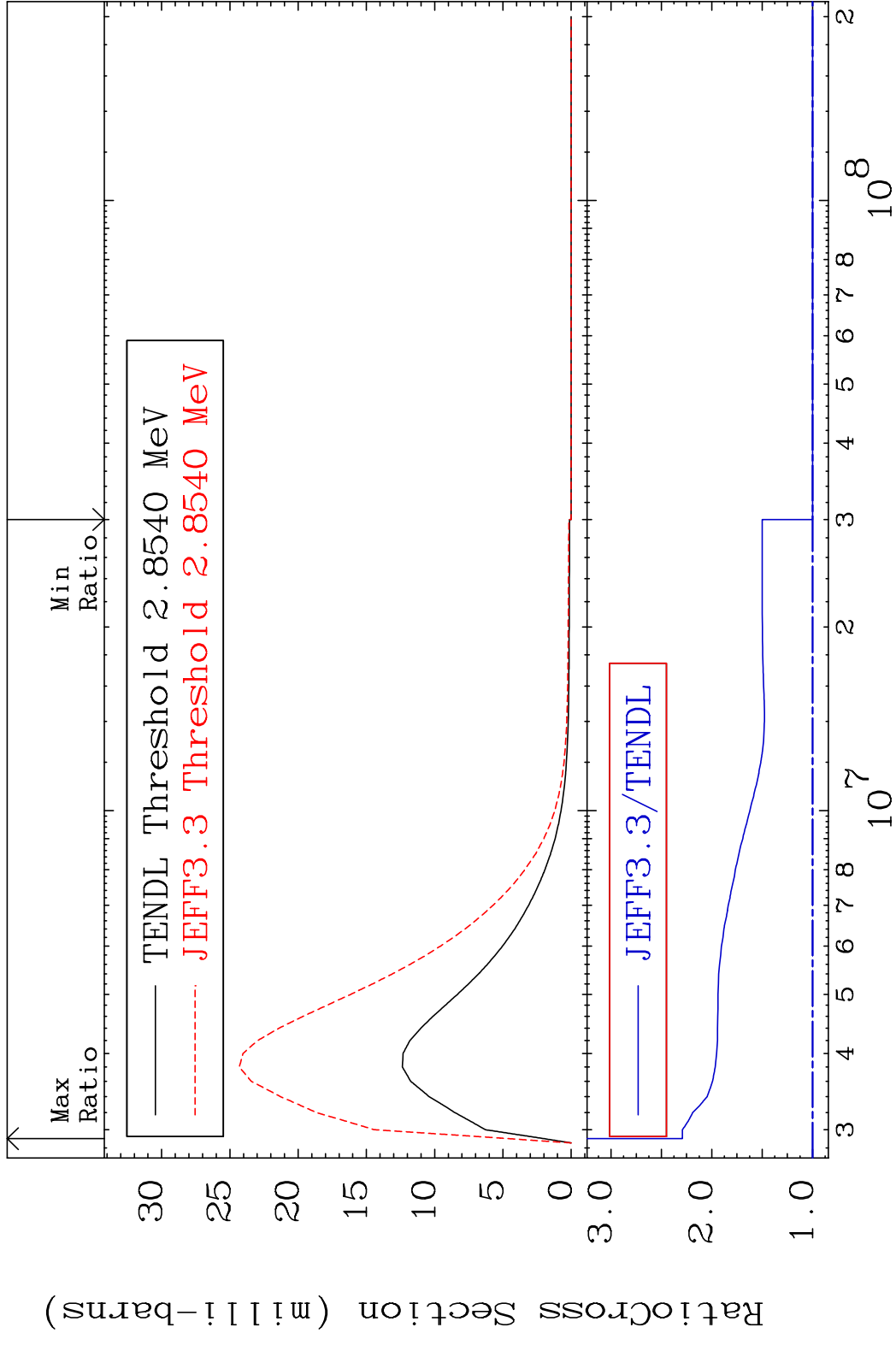
MT= 70 (n, n') Level

27-Co-57

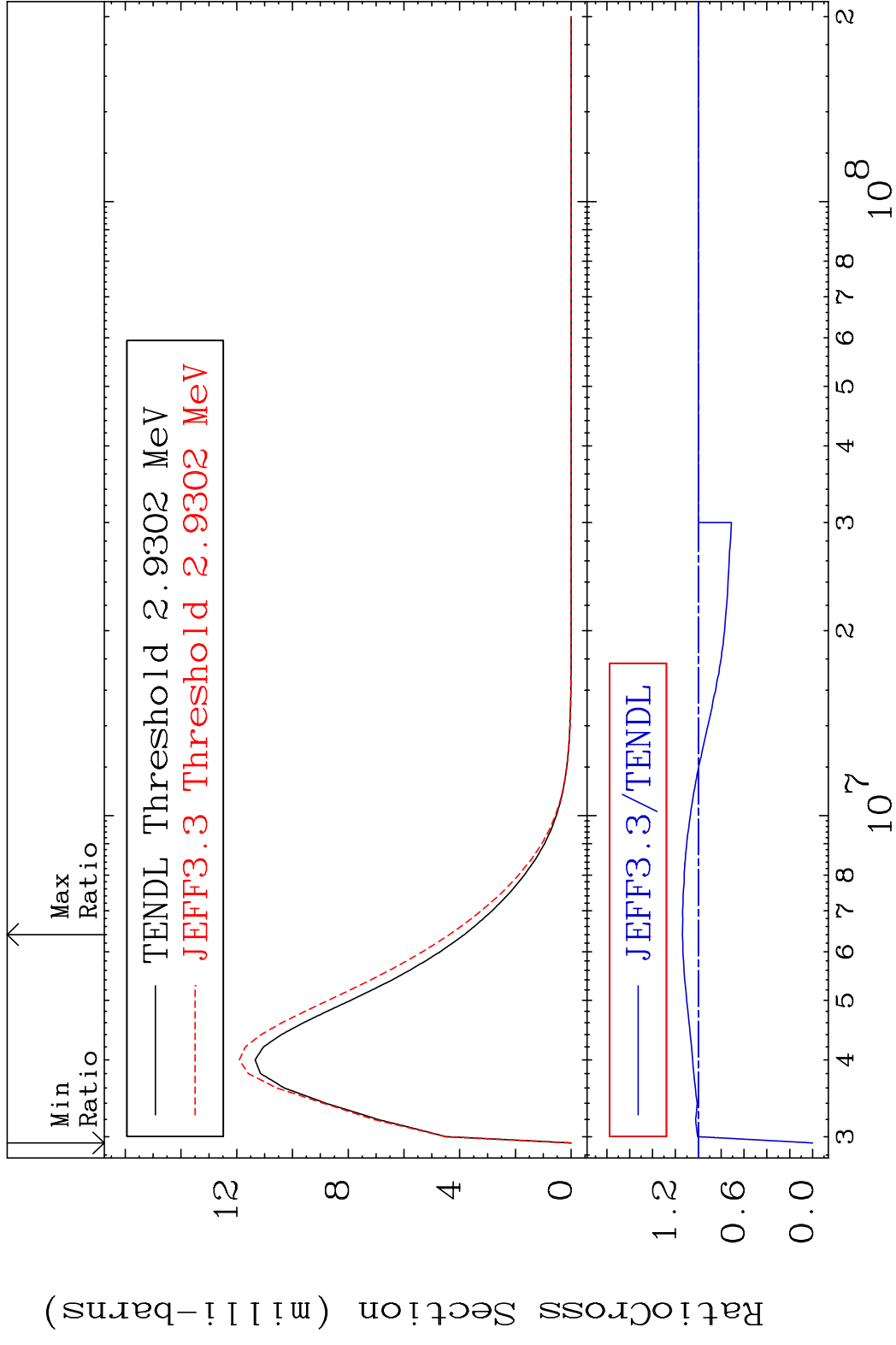
Cross Section -7.096 To 3.557 %



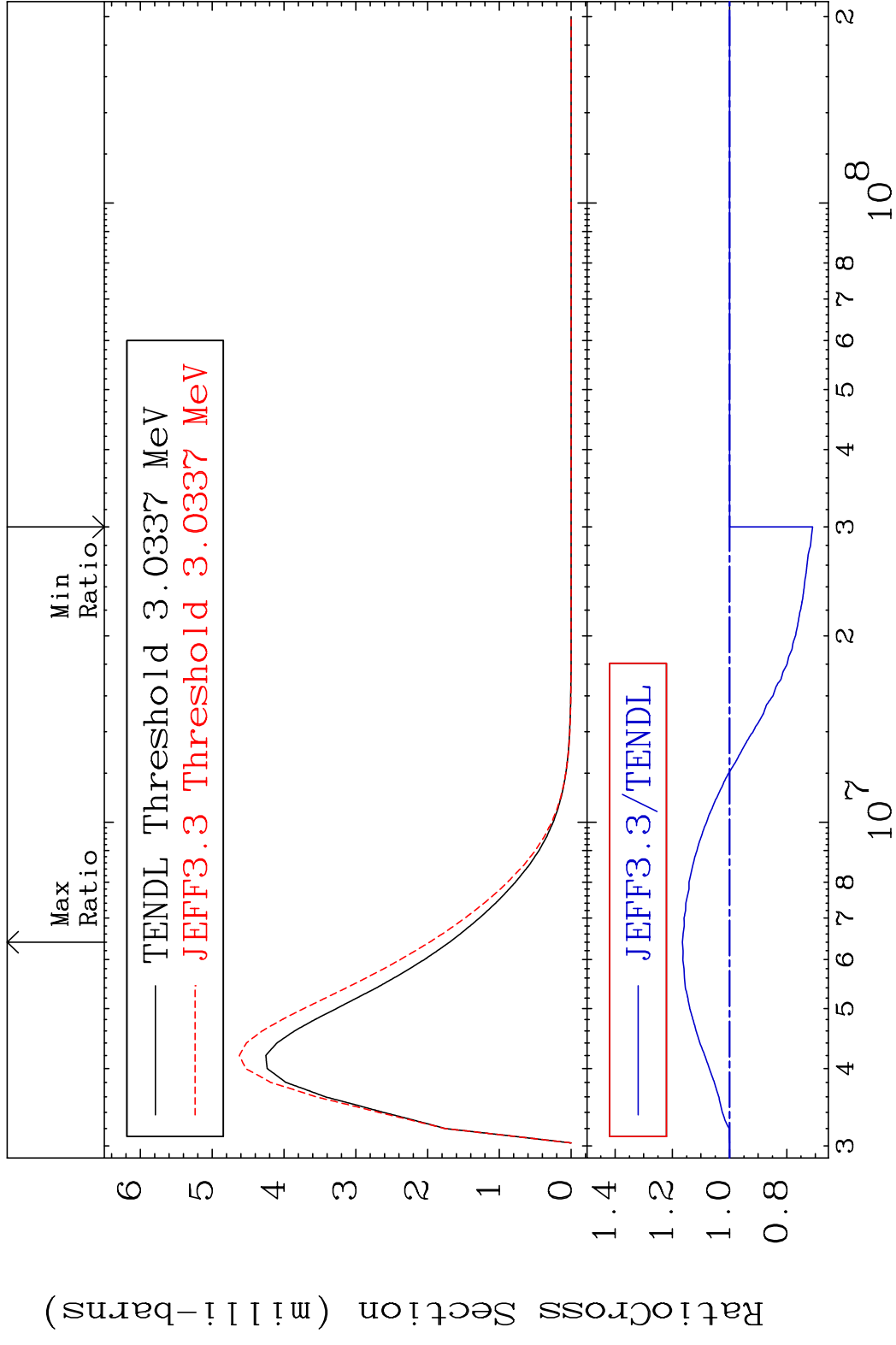
MAT 2719      MT= 71 (n, n') Level      27-Co-57  
 Cross Section    0.000    To 129.2 %



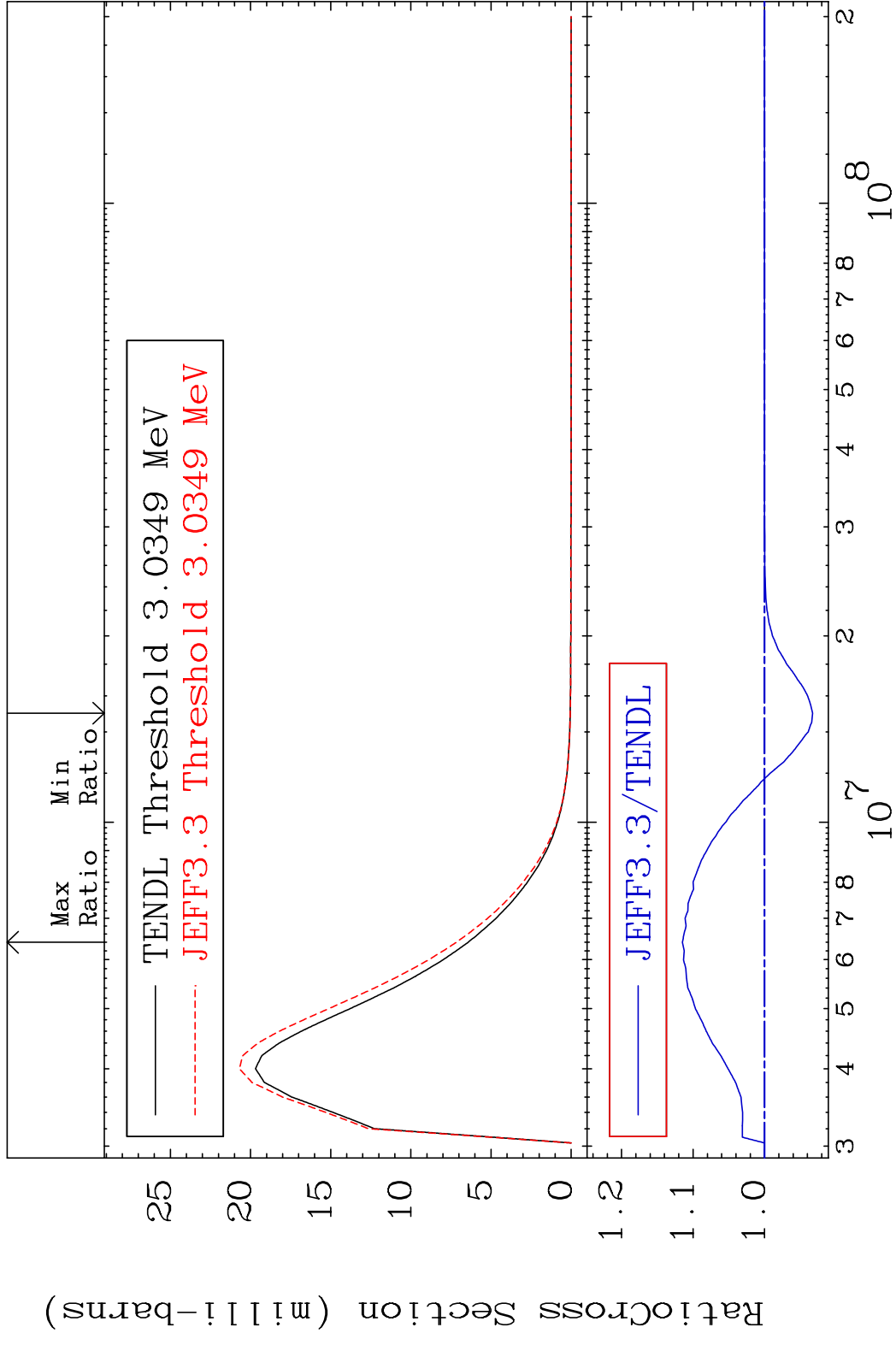
MAT 2719 MT= 72 (n, n') Level 27-Co-57  
 Cross Section -100.0 To 13.93 %



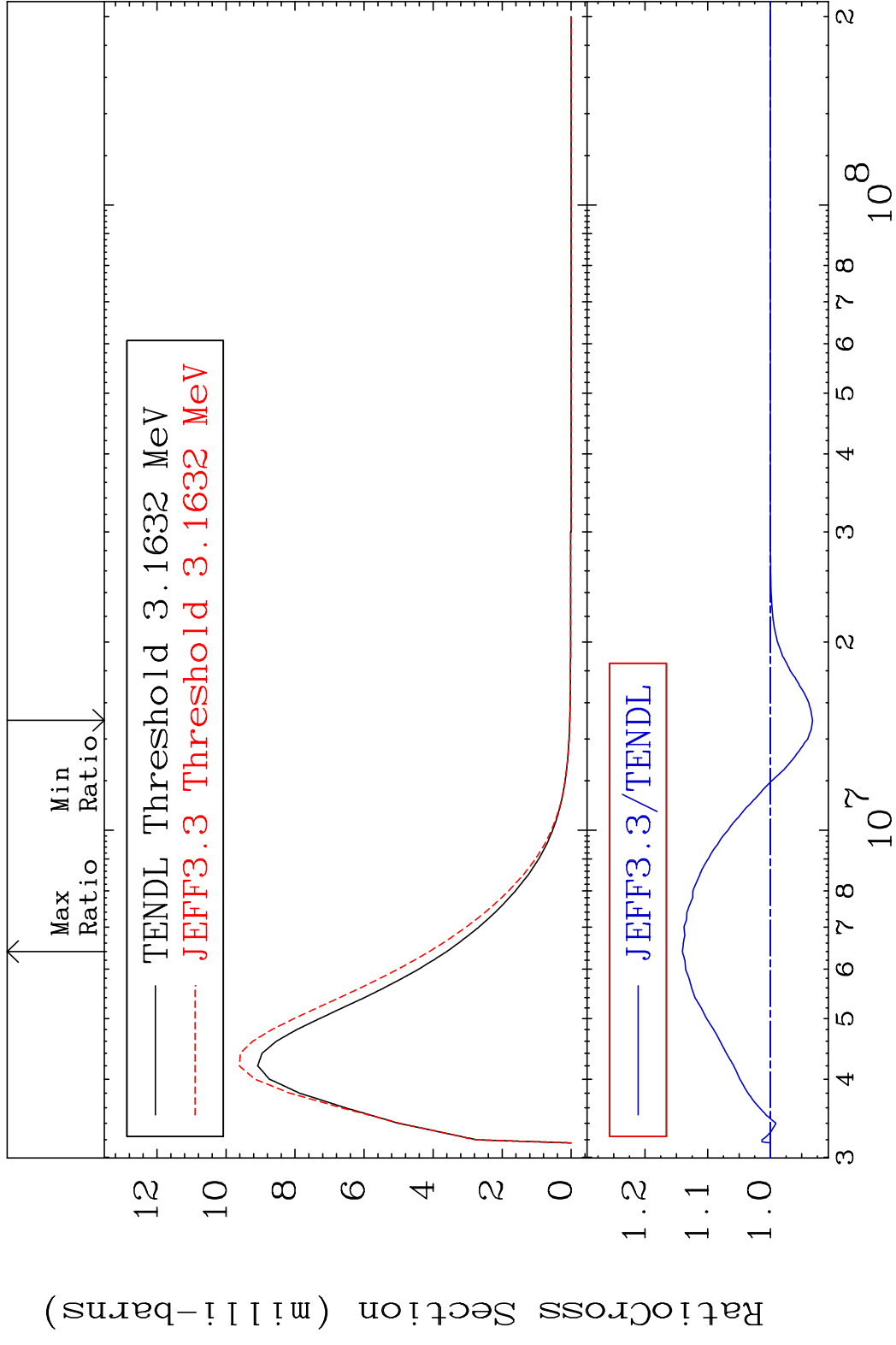
MAT 2719 MT= 73 (n, n') Level 27-Co-57  
 Cross Section -29.02 To 16.50 %



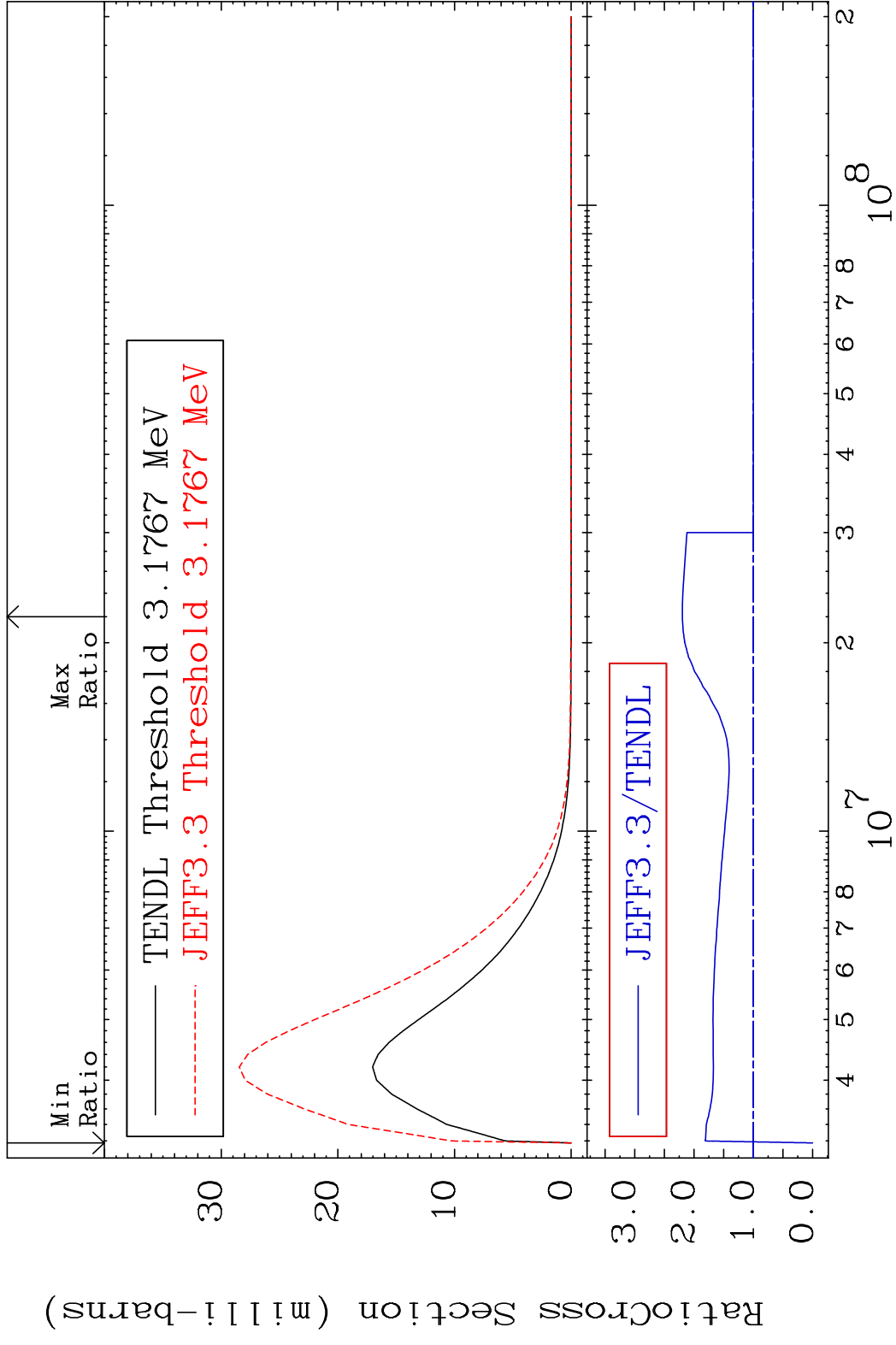
MAT 2719 MT= 74 (n,n') Level 27-Co-57  
 Cross Section -6.714 To 11.50 %



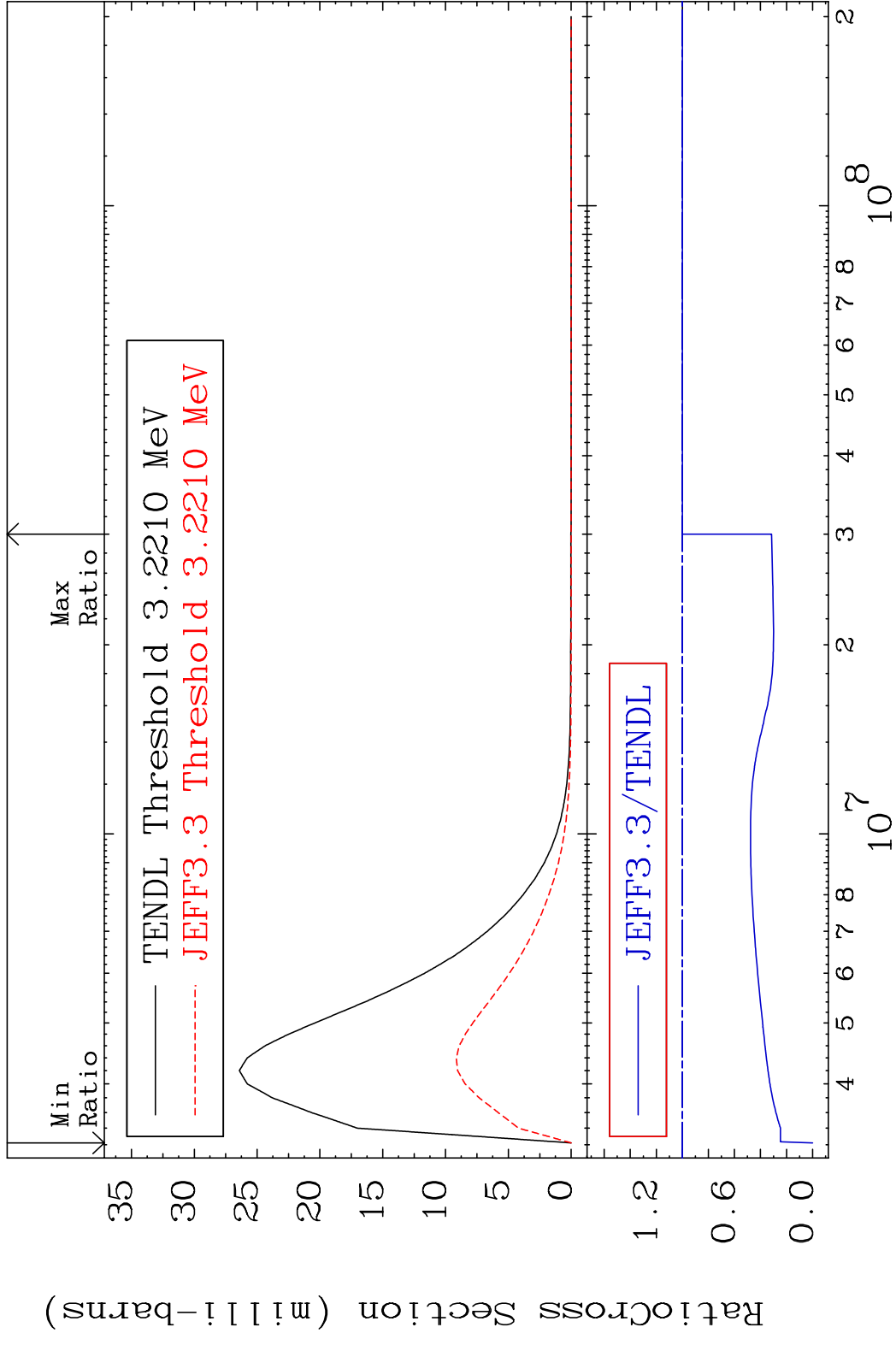
MAT 2719 MT= 75 (n,n') Level 27-Co-57  
 Cross Section -6.722 To 14.05 %



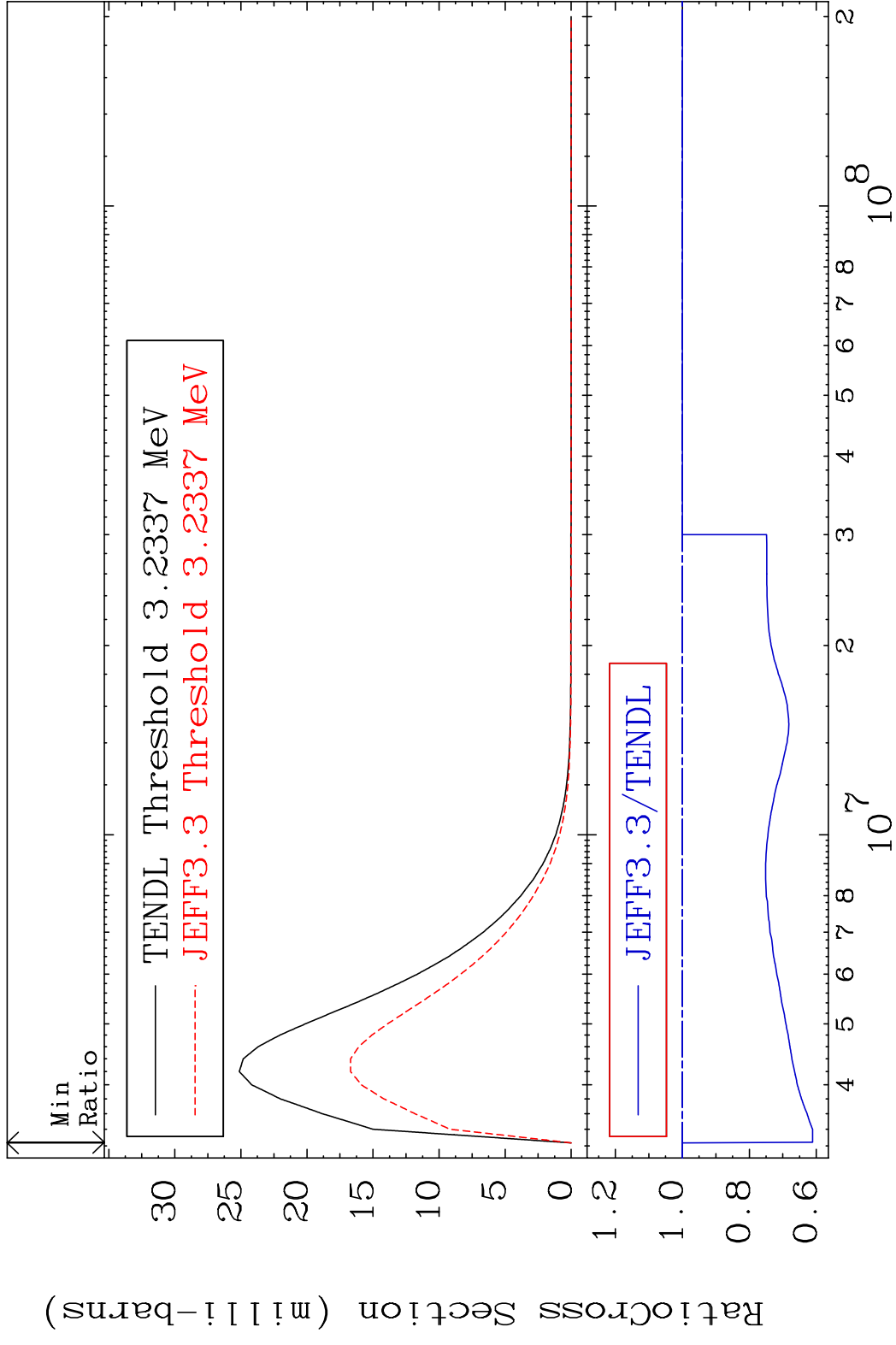
MAT 2719 MT= 76 (n, n') Level 27-Co-57  
 Cross Section -100.0 To 119.7 %



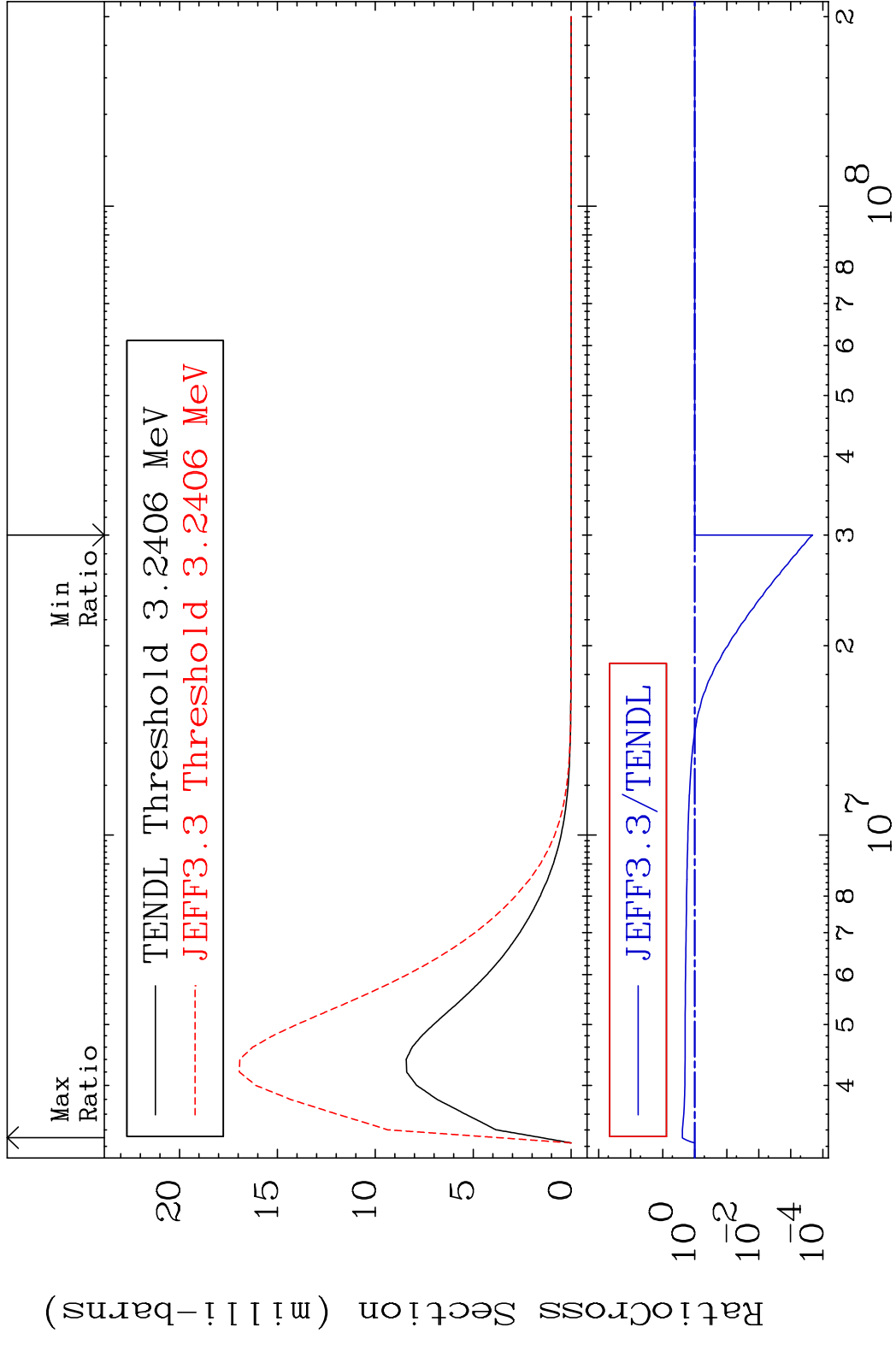
MAT 2719      MT= 77 (n, n') Level      27-Co-57  
 Cross Section    -100.0 To 0.000 %



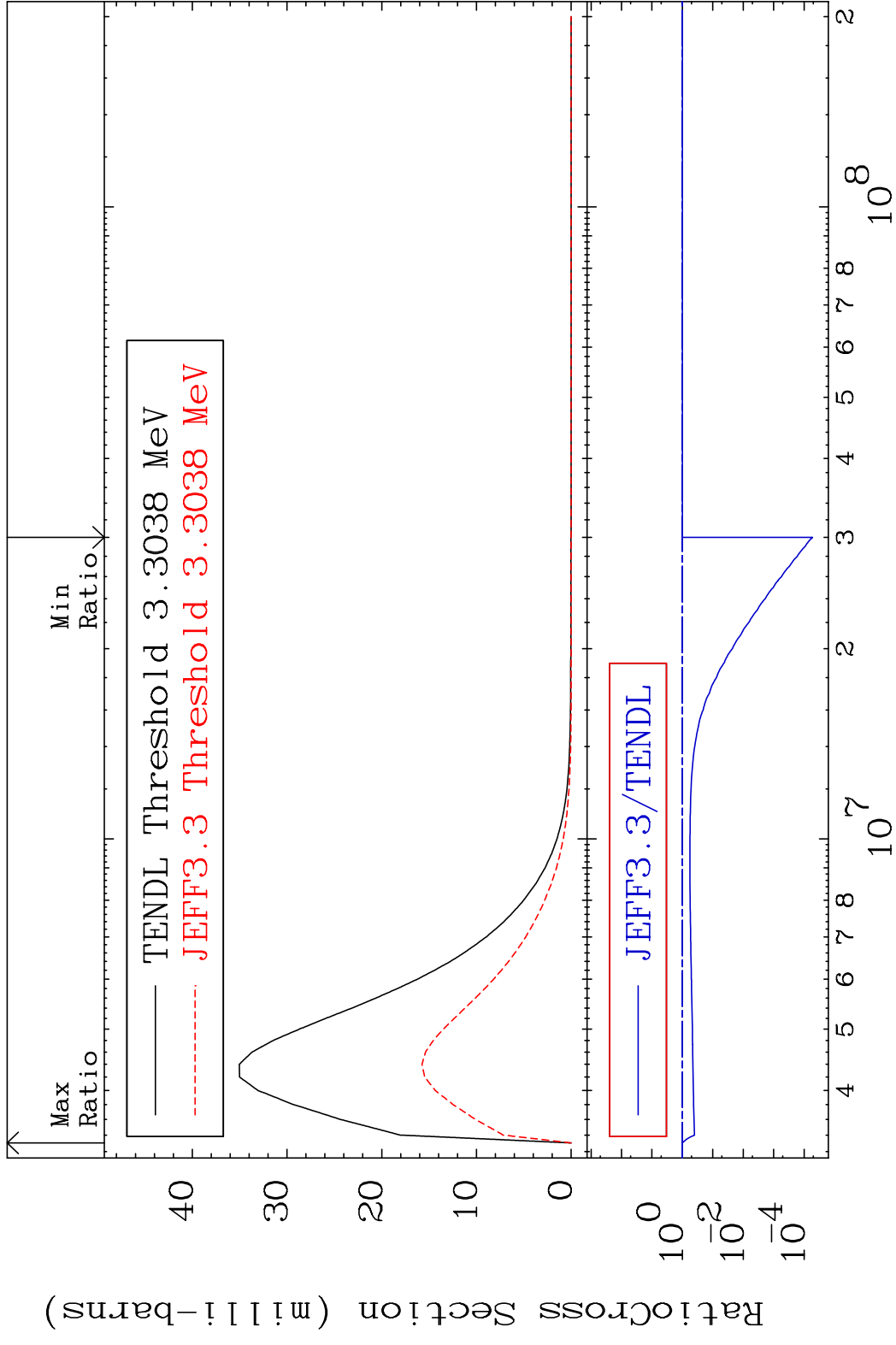
MAT 2719      MT= 78 (n,n') Level      27-Co-57  
 Cross Section      -38.88 To 0.000 %



MAT 2719 MT= 79 (n, n') Level 27-Co-57  
 Cross Section -99.98 To 143.9 %



MAT 2719 MT= 80 (n, n') Level 27-Co-57  
 Cross Section -99.99 To 0.000 %

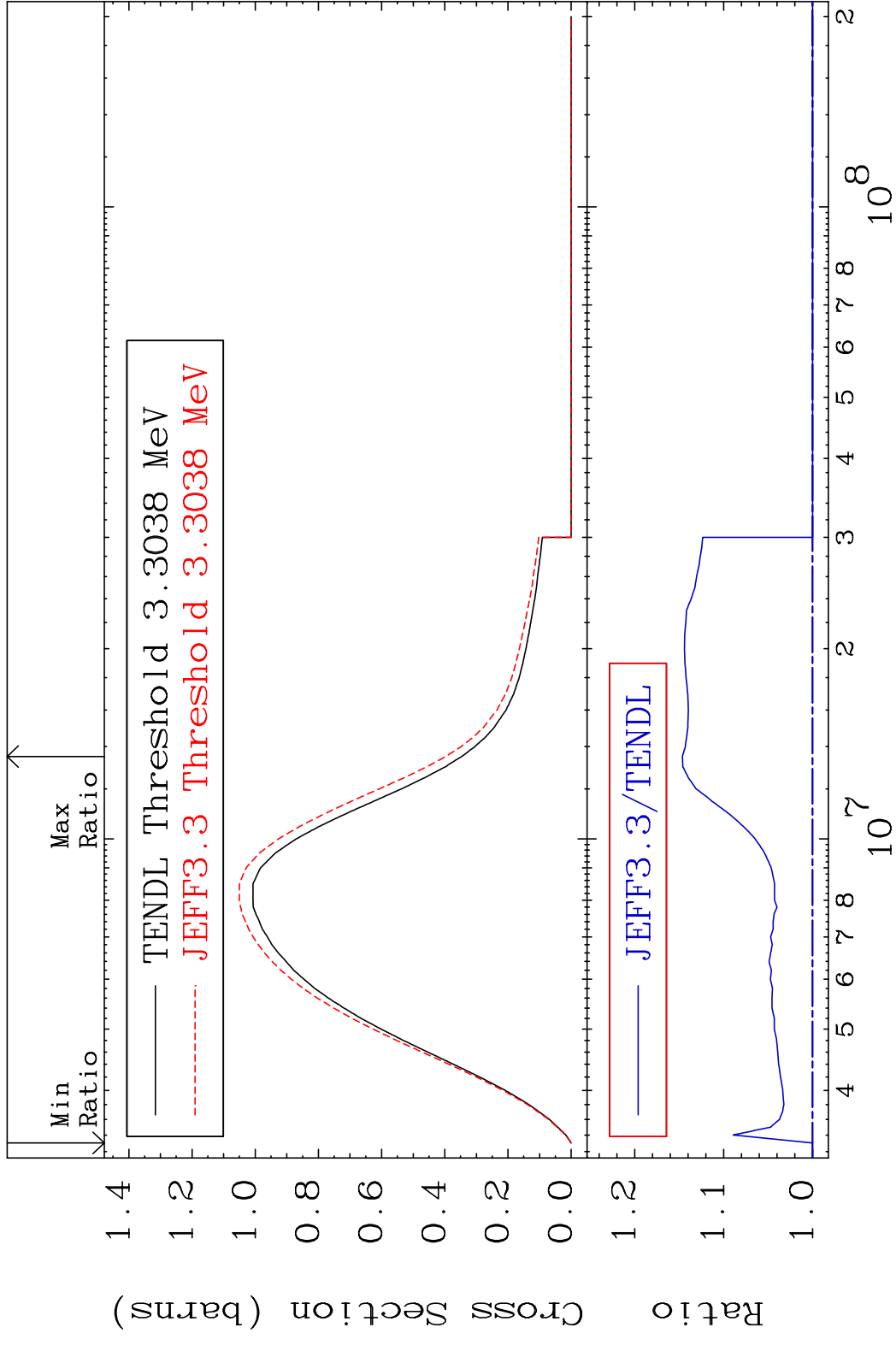


MAT 2719

(n,n') Continuum

27-Co-57

Cross Section 0.000 To 14.64 %

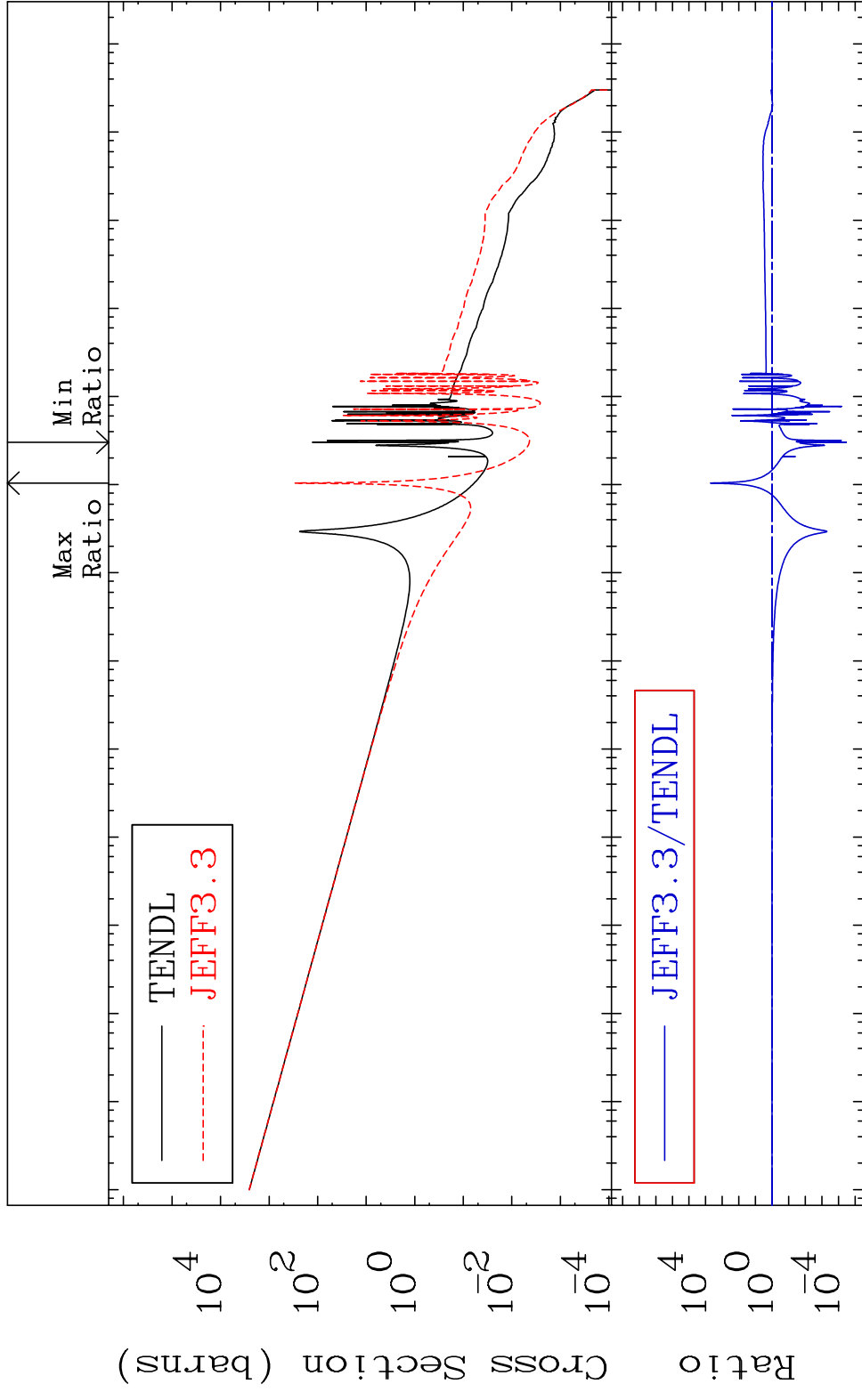


MAT 2719

27-Co-57

(n,  $\gamma$ )

Cross Section -100.0 To 9999. %

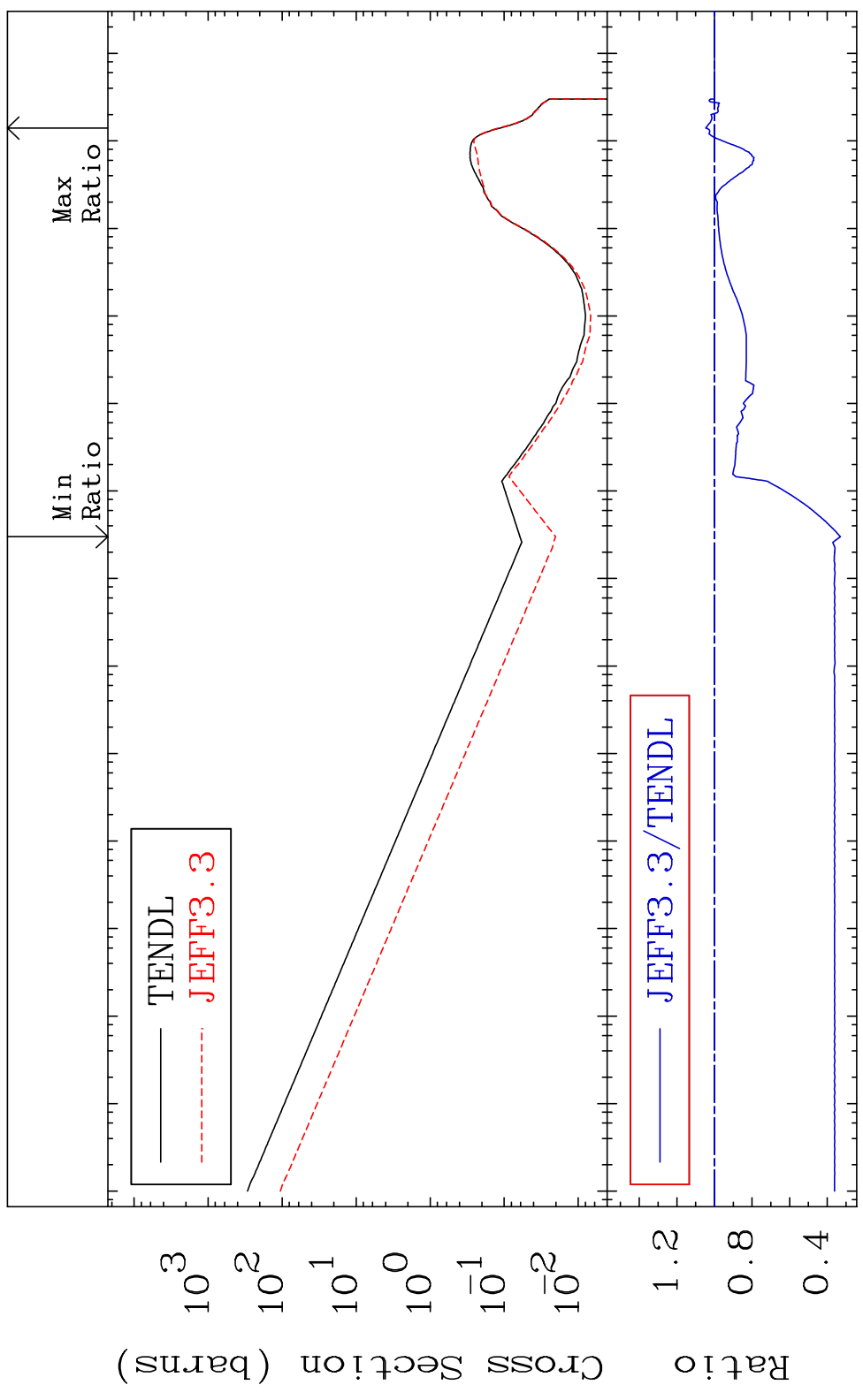


MAT 2719

(n, p)

27-Co-57

Cross Section -66.98 To 4.654 %



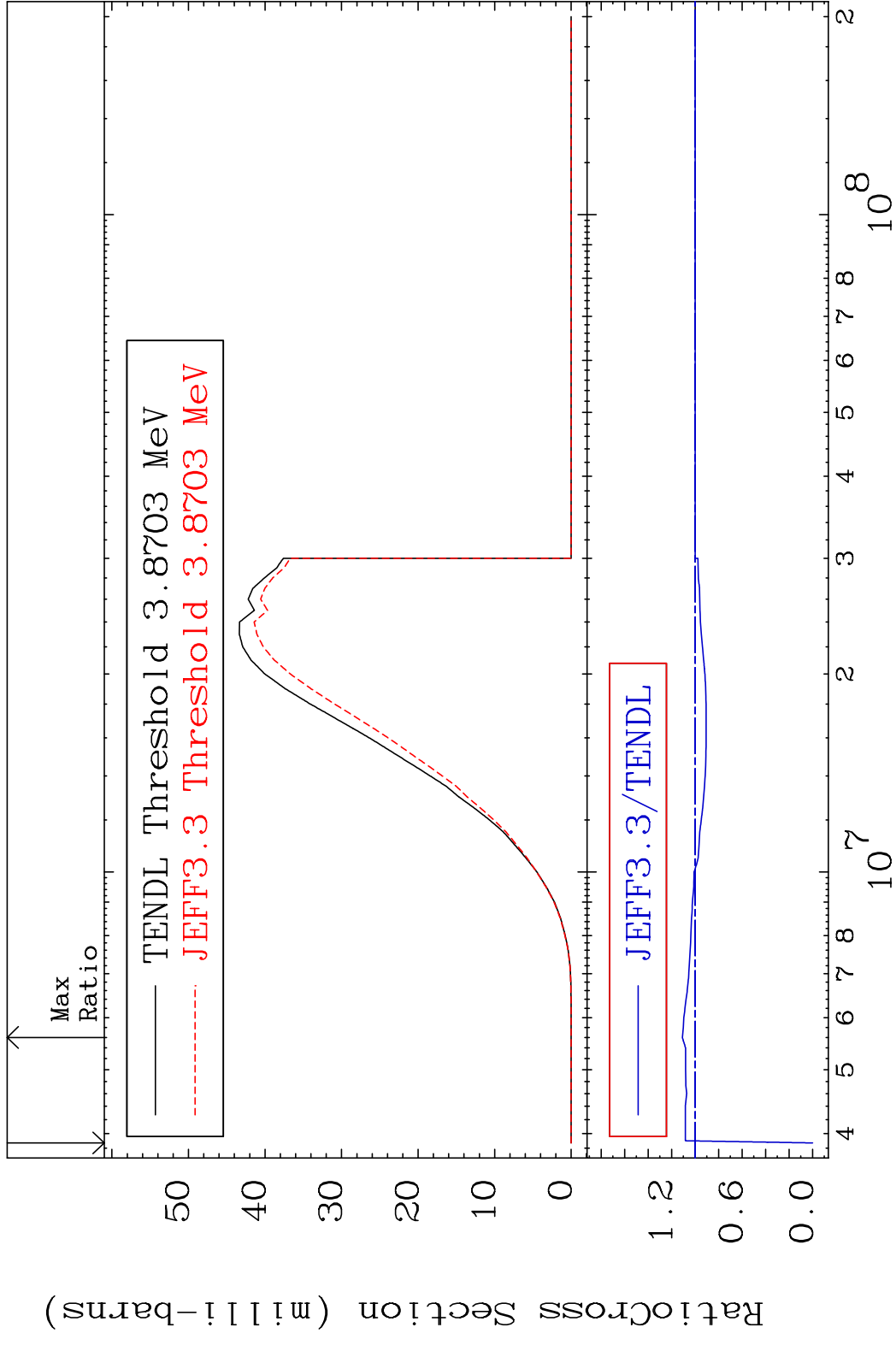
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

50

Incident Energy (eV)

27-Co-57

MAT 2719 (n,d) 27-Co-57  
 Cross Section -100.0 To 10.88 %

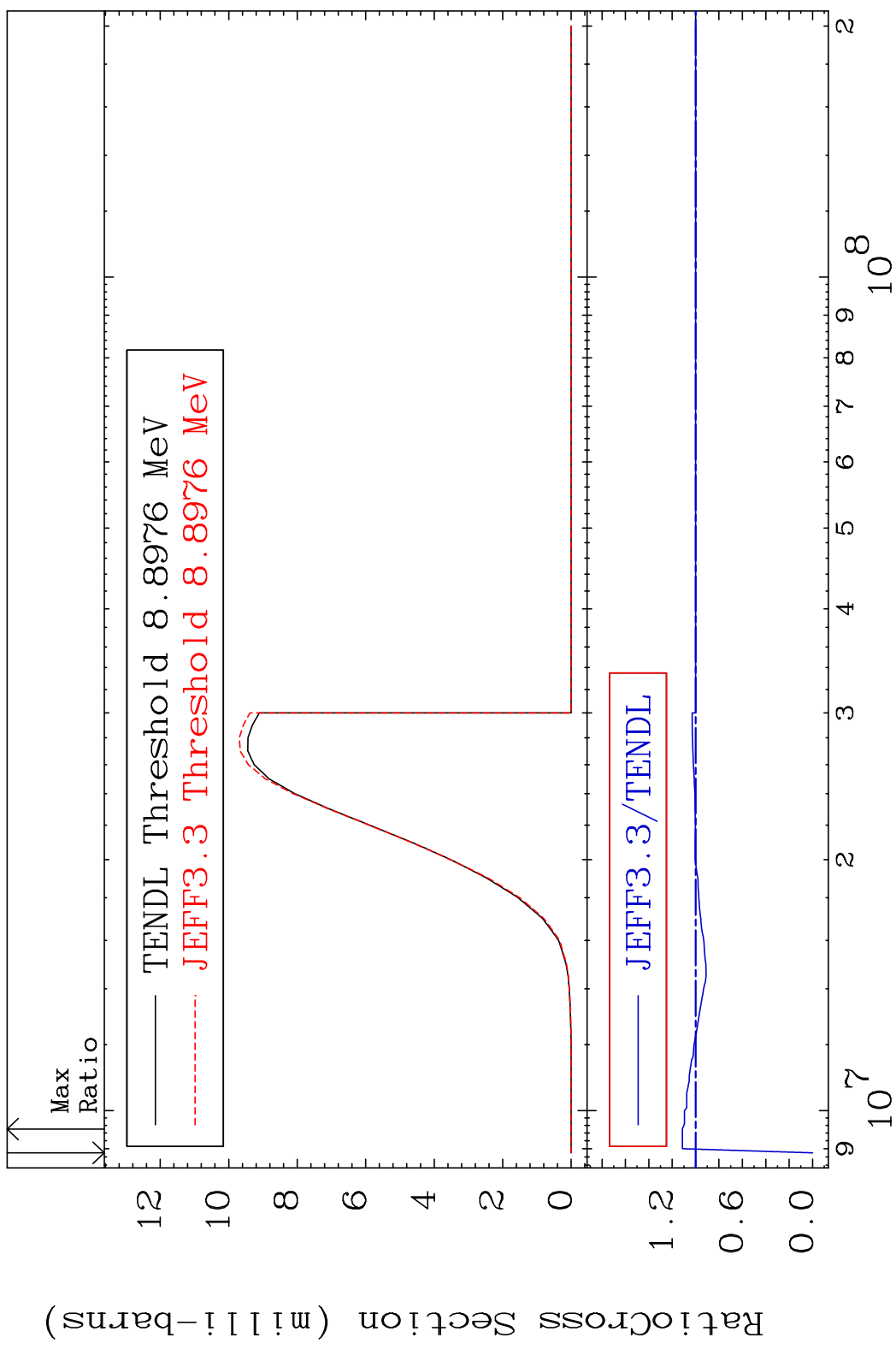


MAT 2719

(n, t)

27-Co-57

Cross Section -100.0 To 11.32 %



52

Incident Energy (eV)

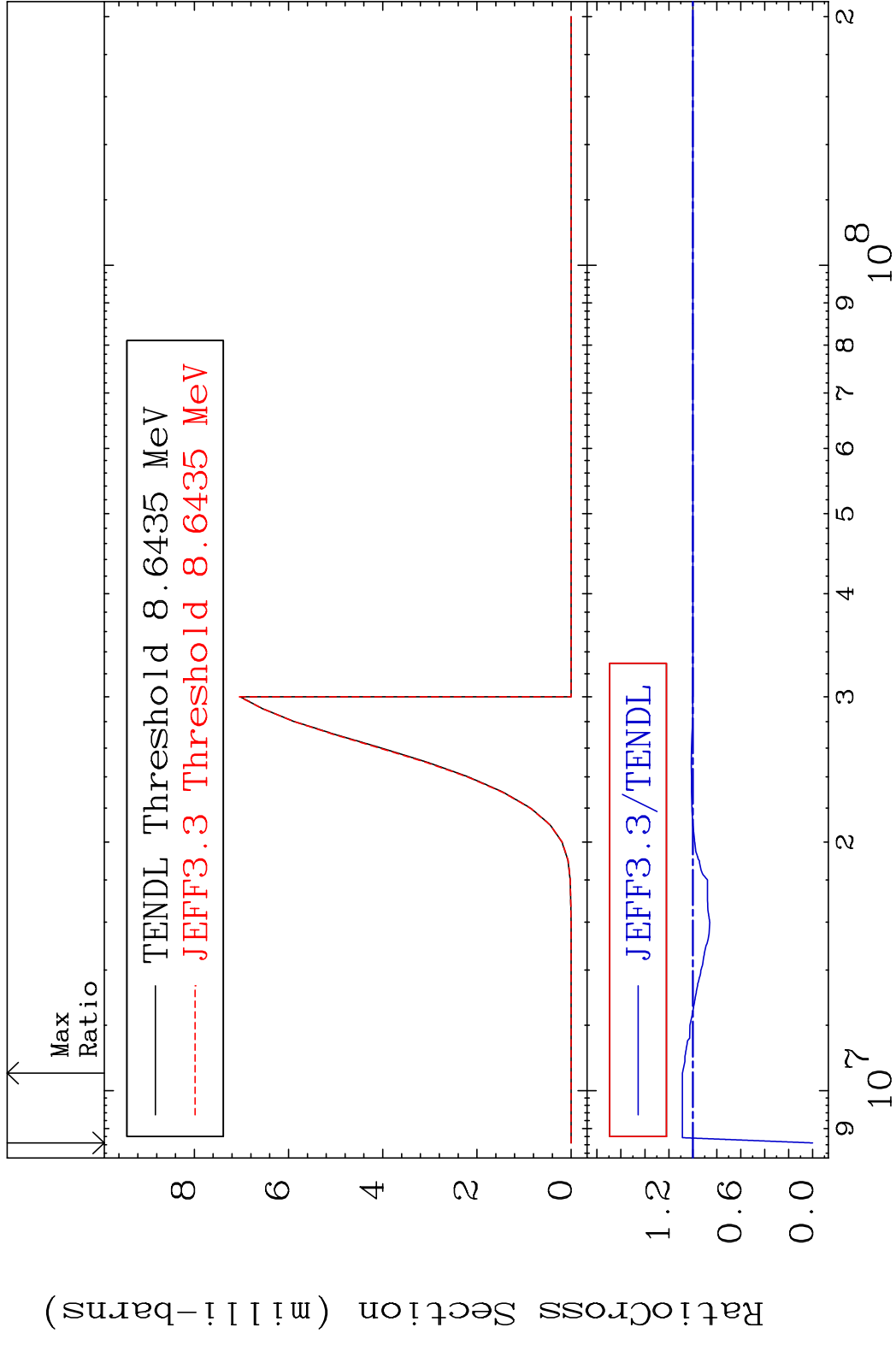
27-Co-57

MAT 2719

(n, He-3)

27-Co-57

Cross Section -100.0 To 8.709 %

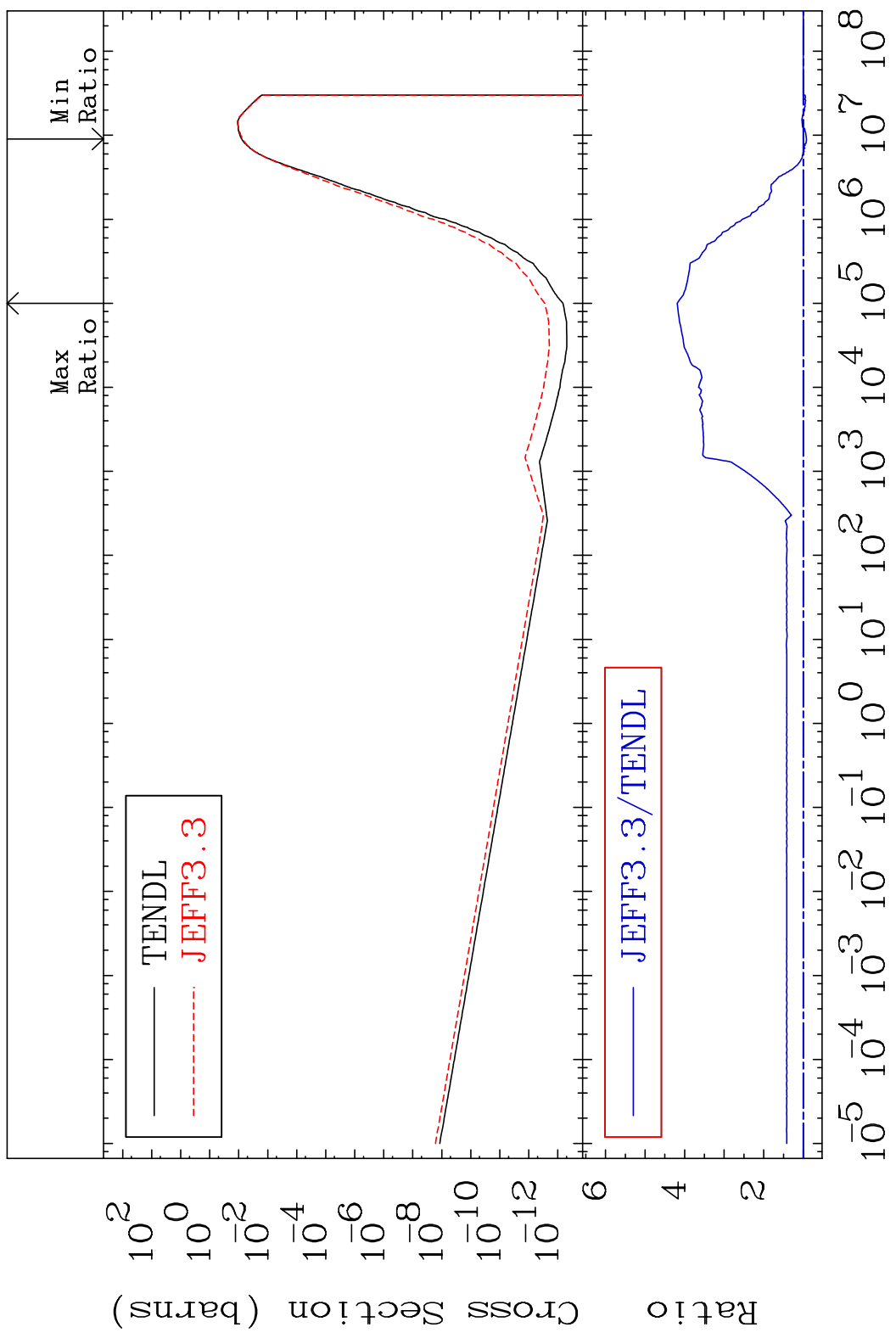


MAT 2719

(n,  $\alpha$ )

27-Co-57

Cross Section -7.956 To 318.8 %

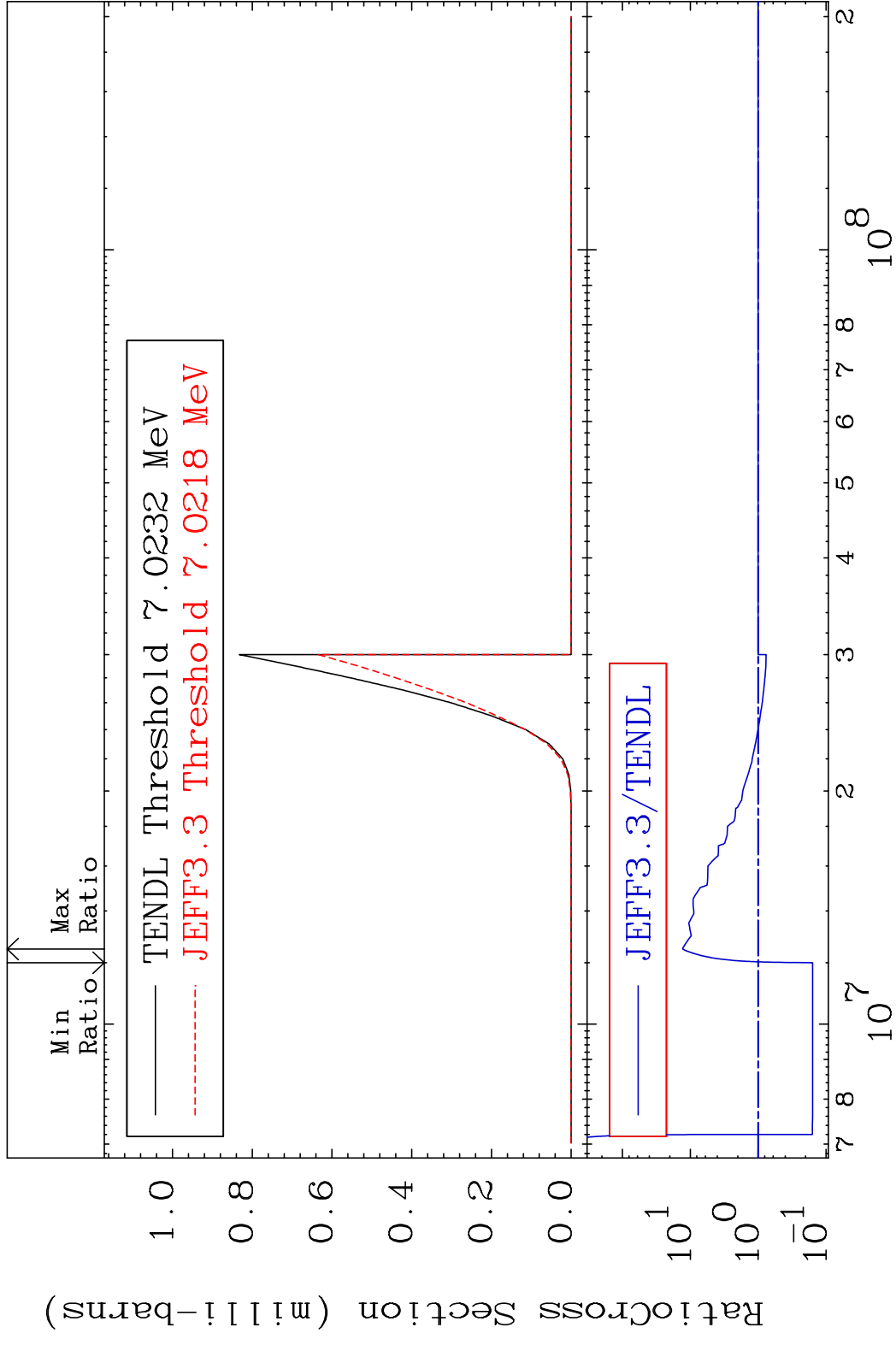


MAT 2719

(n,2α)

27-Co-57

Cross Section -84.22 To 1209. %

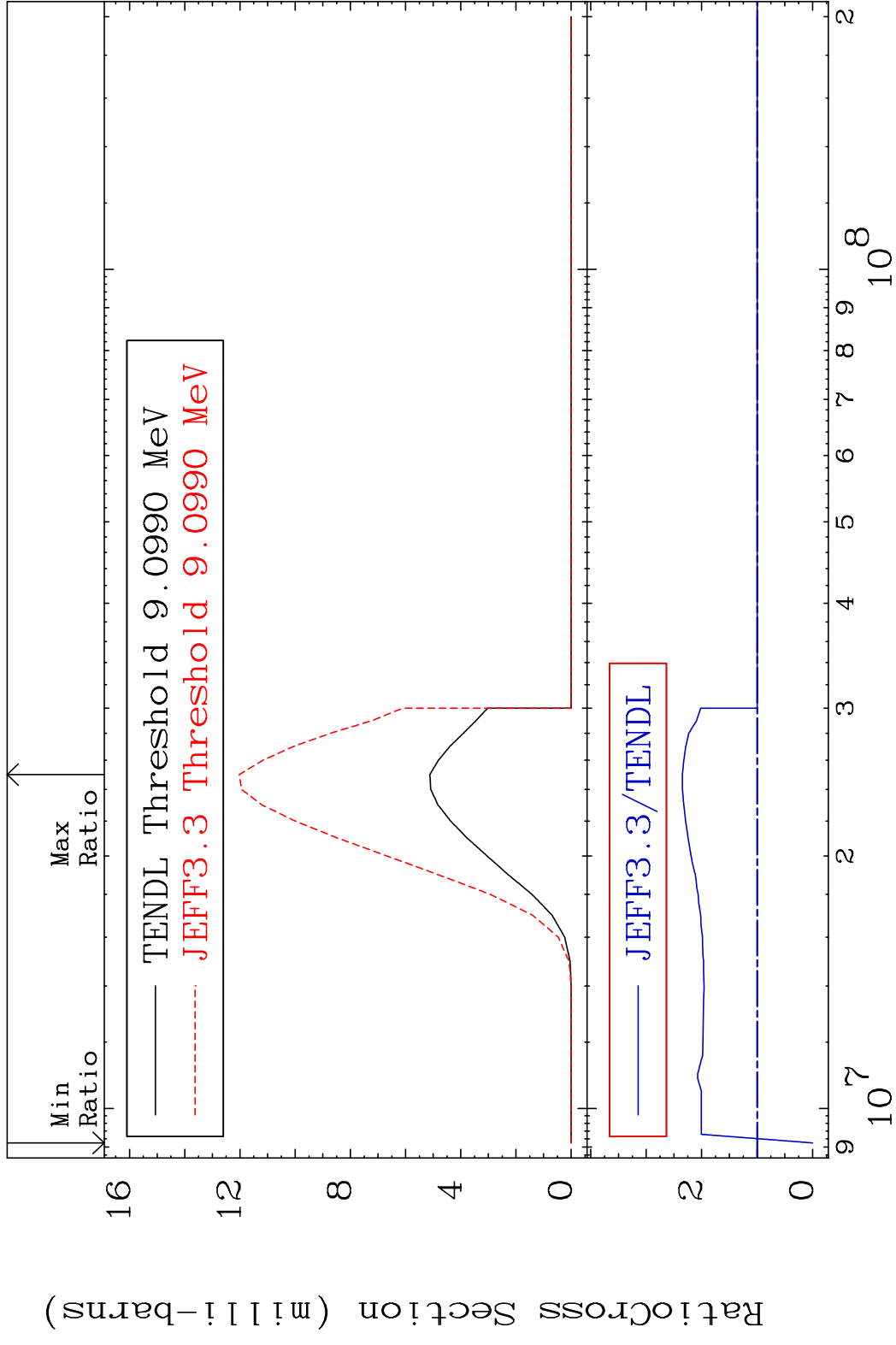


MAT 2719

(n,2p)

27-Co-57

Cross Section -100.0 To 134.8 %



56

Incident Energy (eV)

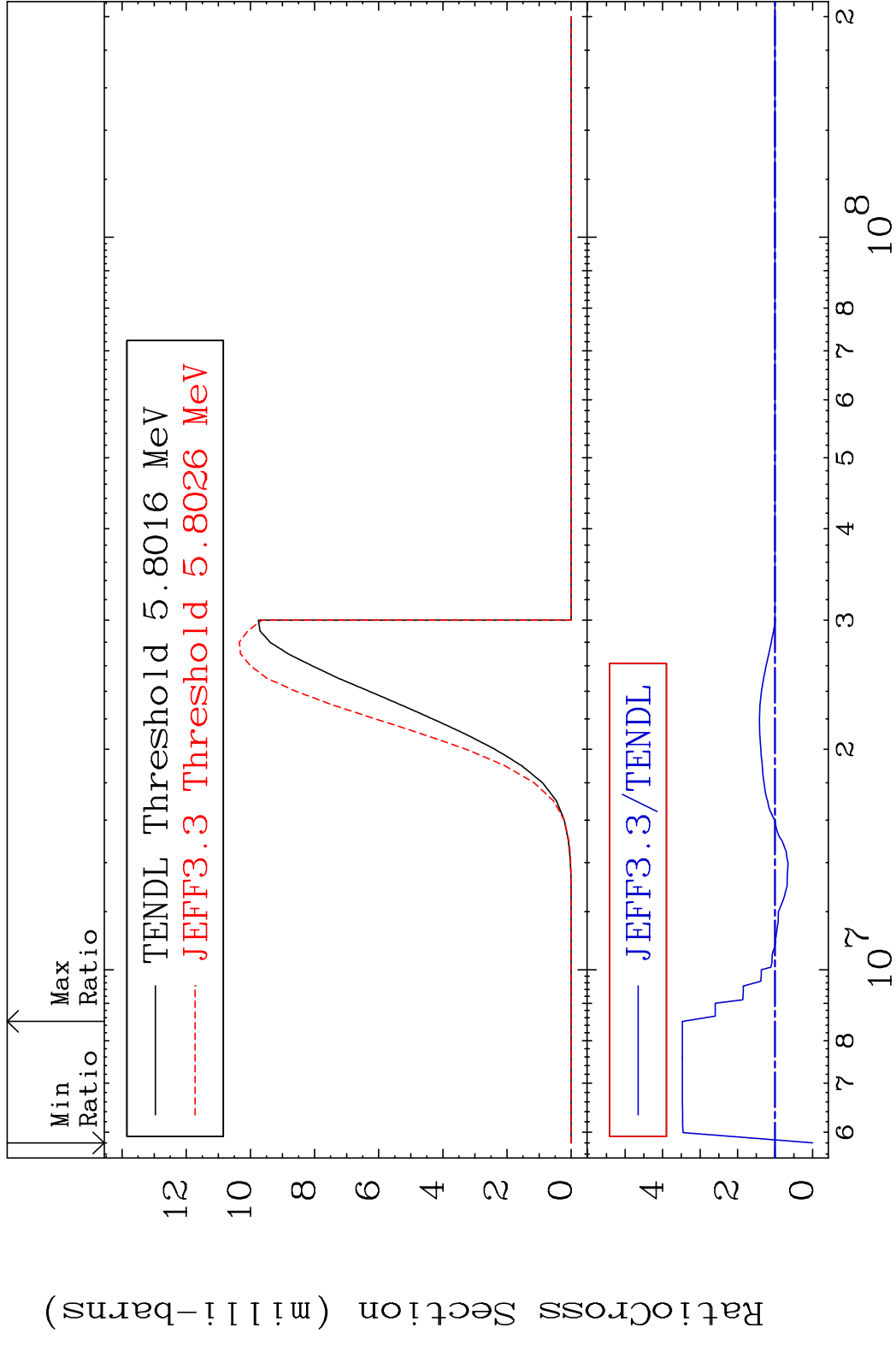
27-Co-57

MAT 2719

(n,p)  $\alpha$

27-Co-57

Cross Section -100.0 To 247.3 %

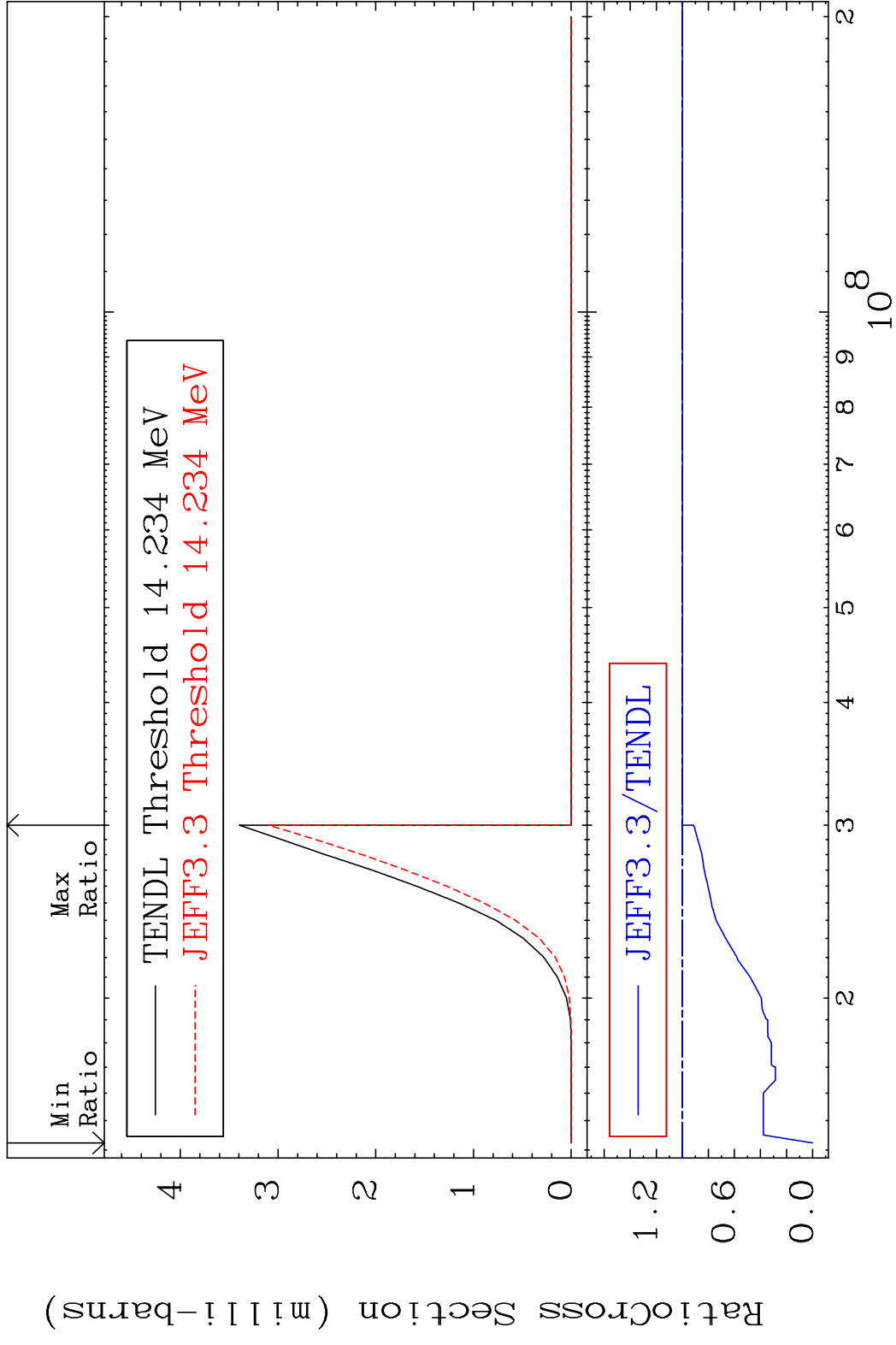


57

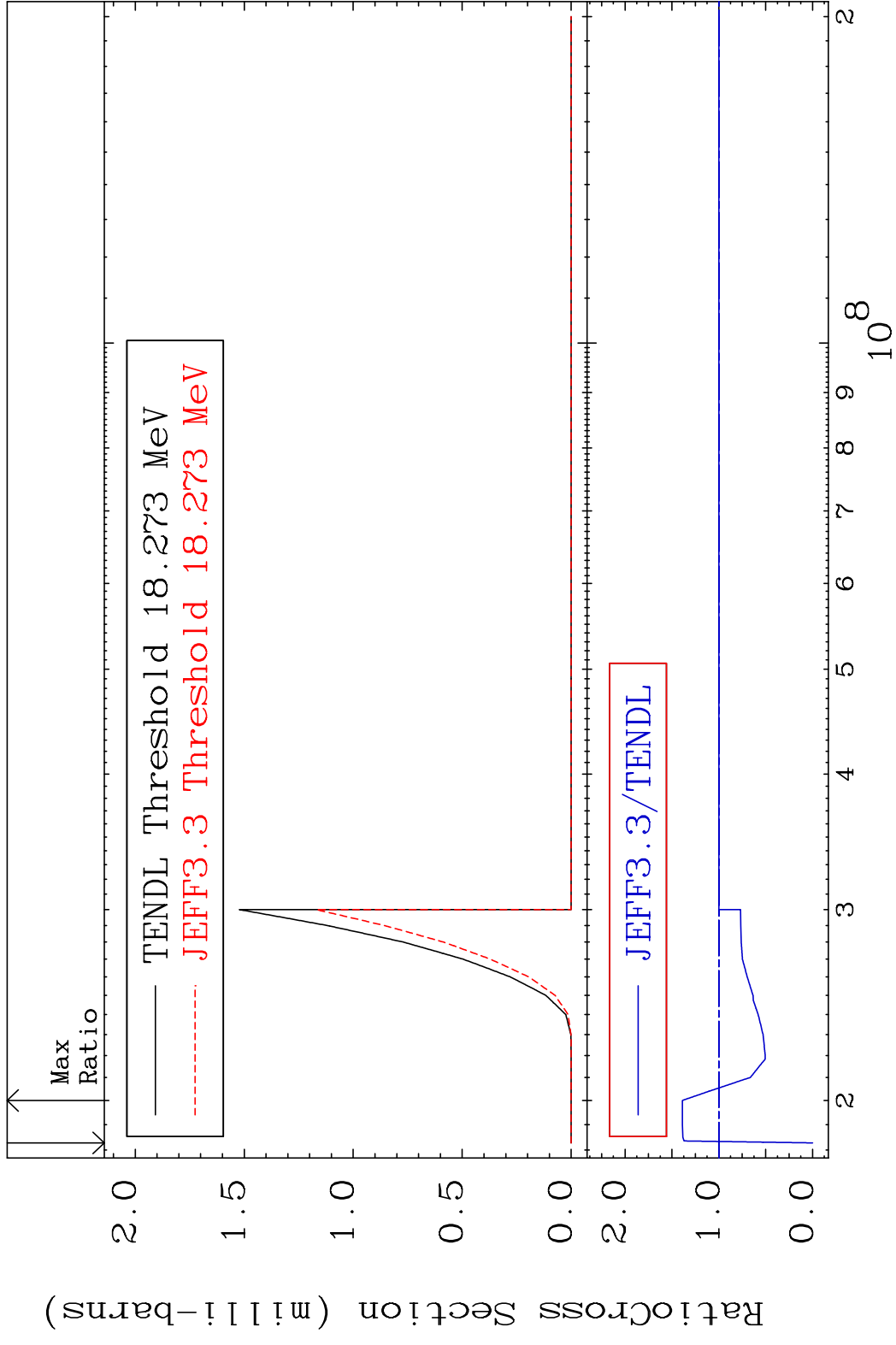
Incident Energy (eV)

27-Co-57

MAT 2719 (n,p) d 27-Co-57  
 Cross Section -100.0 To 0.000 %



MAT 2719 (n,p) t 27-Co-57  
 Cross Section -100.0 To 38.89 %

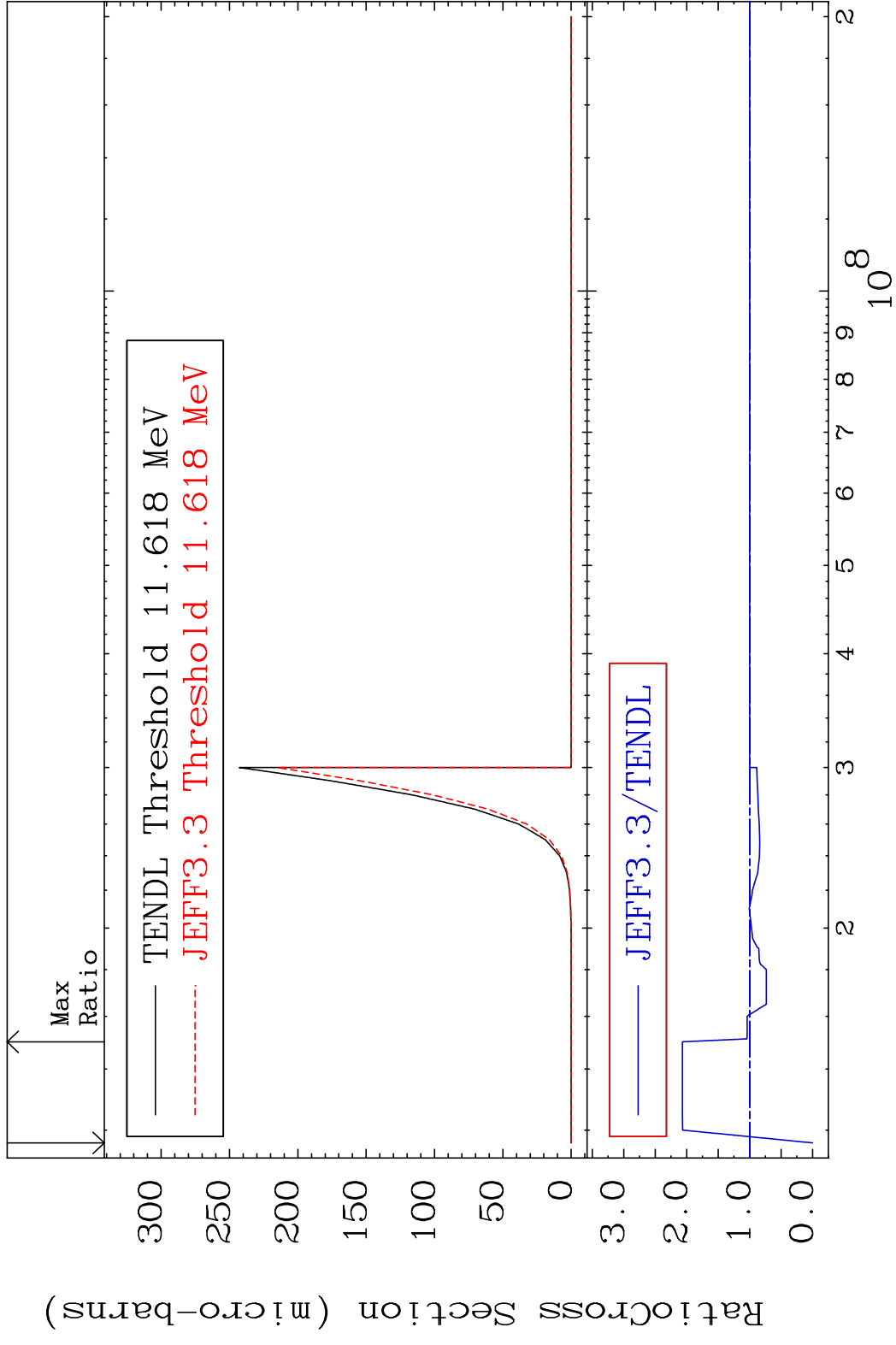


MAT 2719

(n,d)  $\alpha$

27-Co-57

Cross Section -100.0 To 106.8 %

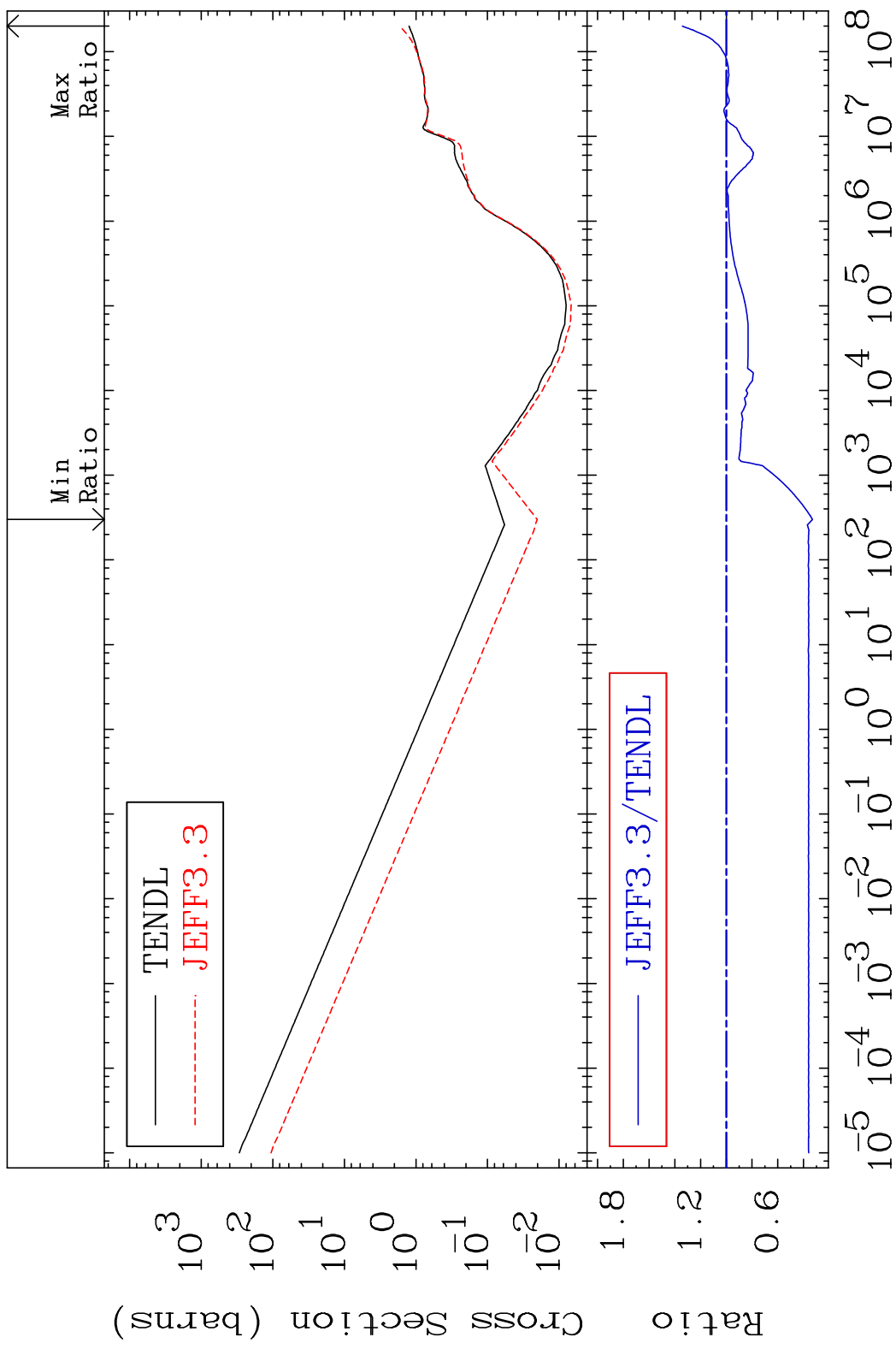


MAT 2719

Hydrogen Production

27-Co-57

Cross Section -66.98 To 34.12 %

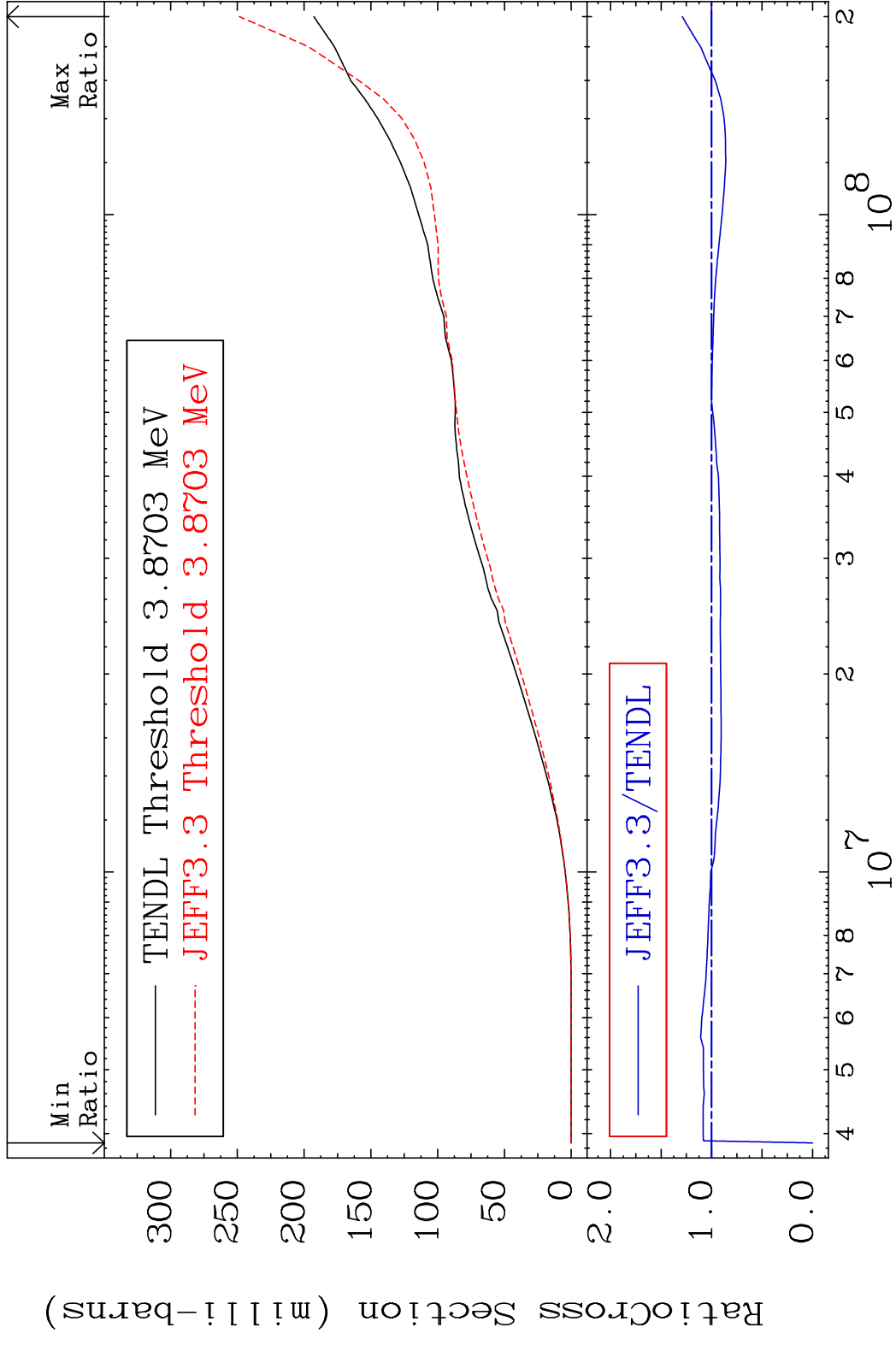


MAT 2719

Deuterium Production

27-Co-57

Cross Section -100.0 To 28.97 %

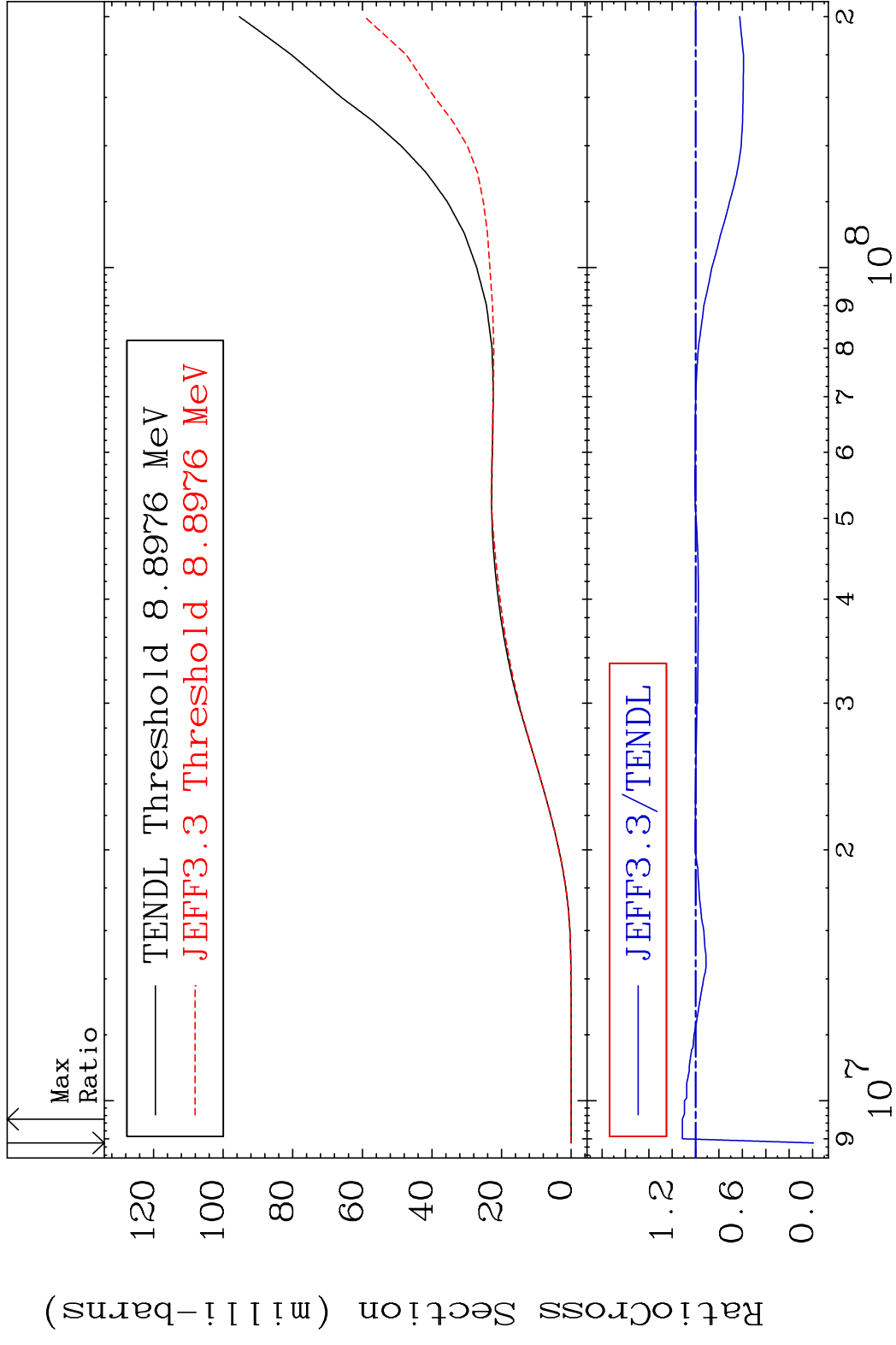


MAT 2719

Tritium Production

<sup>27</sup>Co-57

Cross Section -100.0 To 11.32 %



63

Incident Energy (eV)

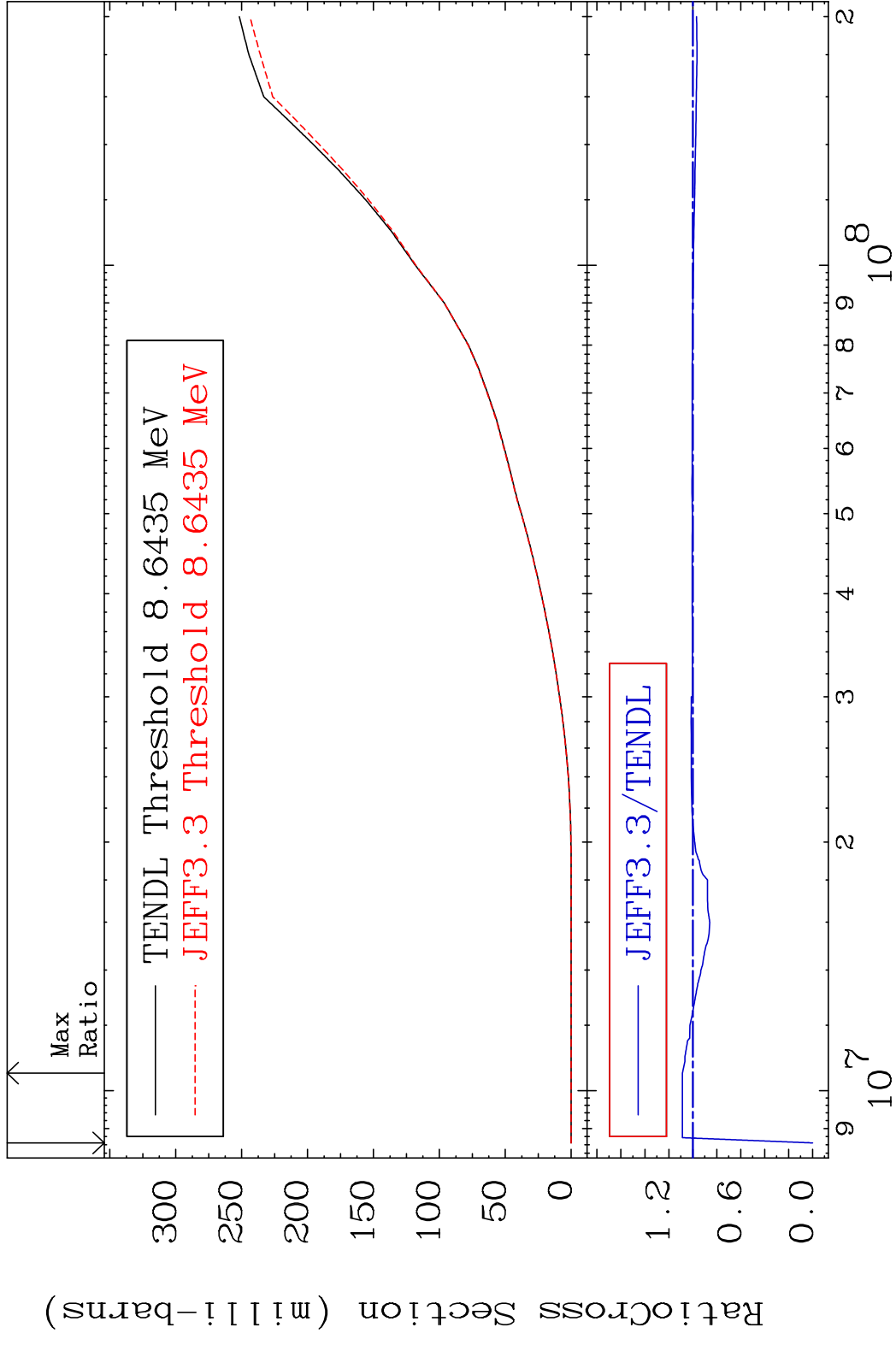
<sup>27</sup>Co-57

MAT 2719

He-3 Production

27-Co-57

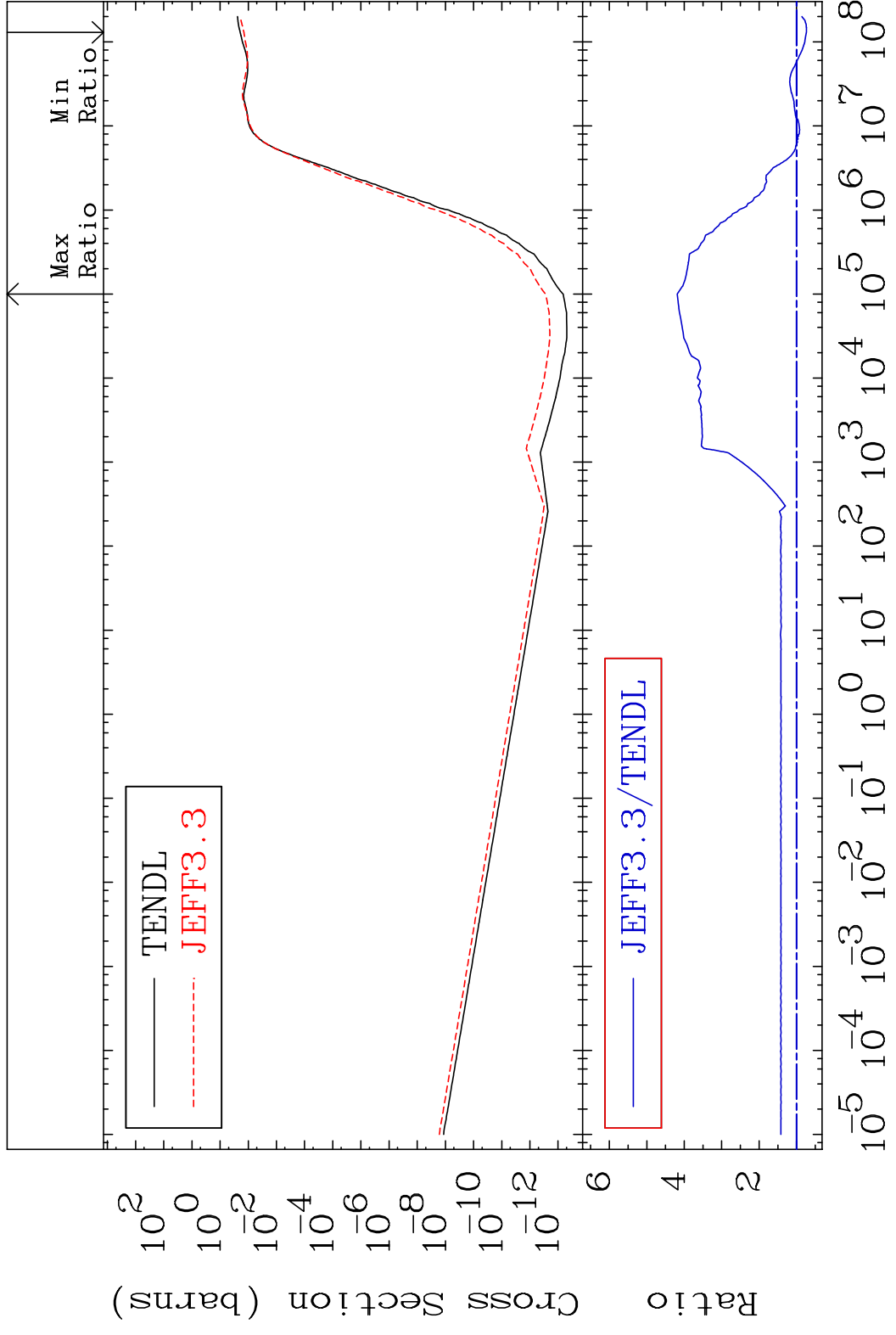
Cross Section -100.0 To 8.709 %



MAT 2719

He-4 Production  
Cross Section -26.18 To 318.8 %

27-Co-57



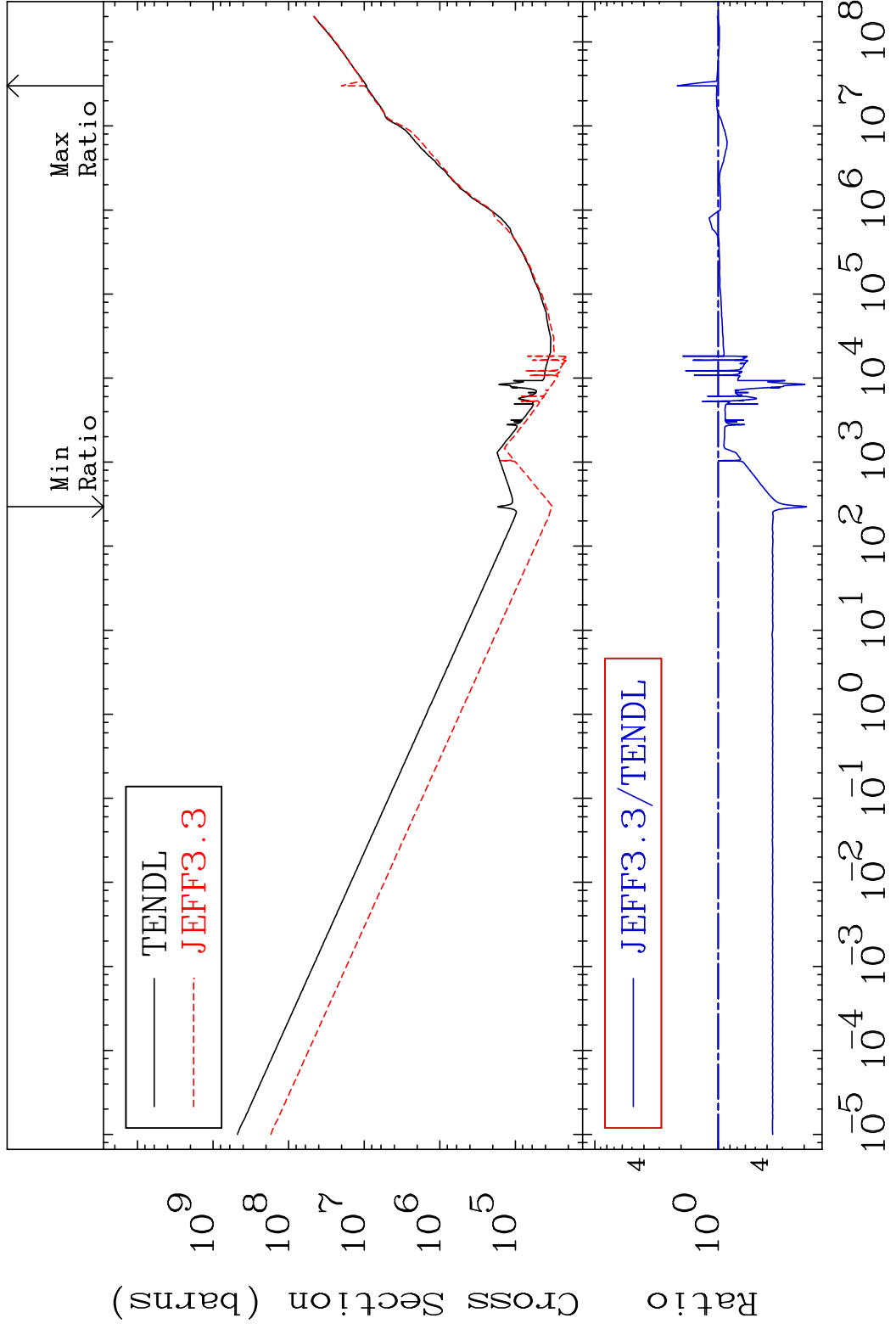
65

Incident Energy (eV)

27-Co-57

MAT 2719

Kerma total (eV-barns) 27-Co-57  
Cross Section -80.80 To 114.8 %



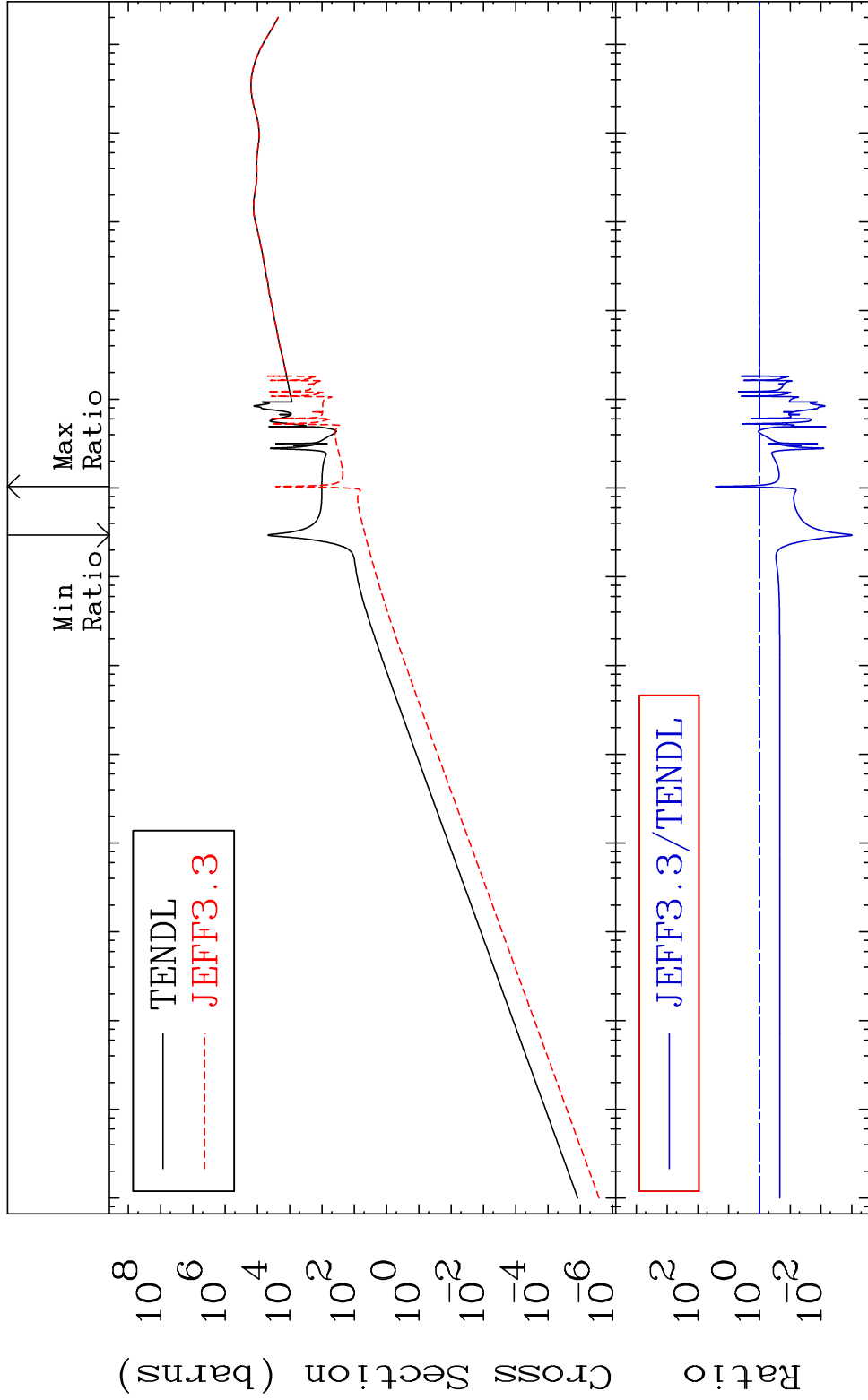
66

Incident Energy (eV) 27-Co-57

MAT 2719

Kerma elastic  
Cross Section

27-Co-57  
-99.90 To 2548. %

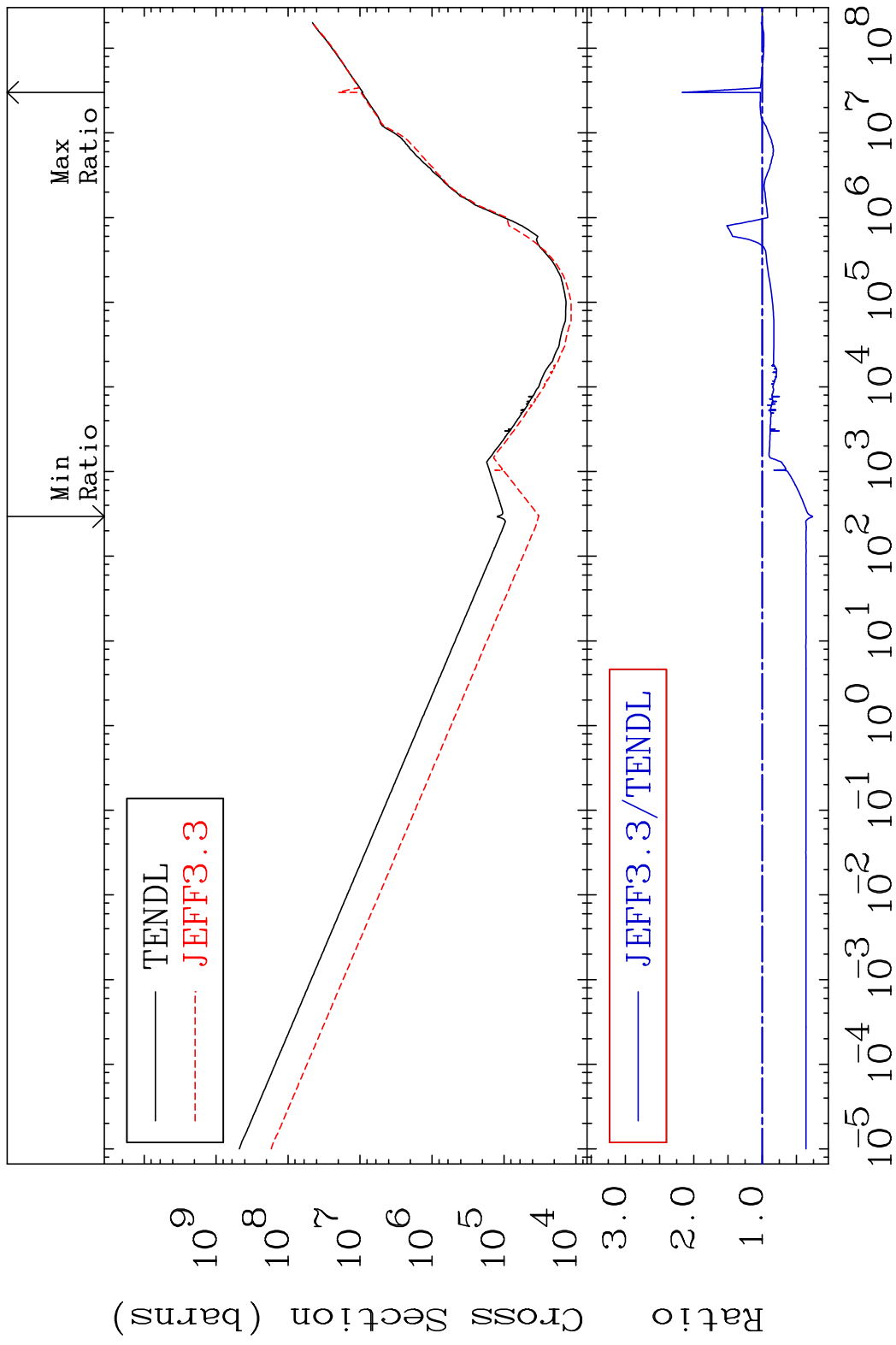


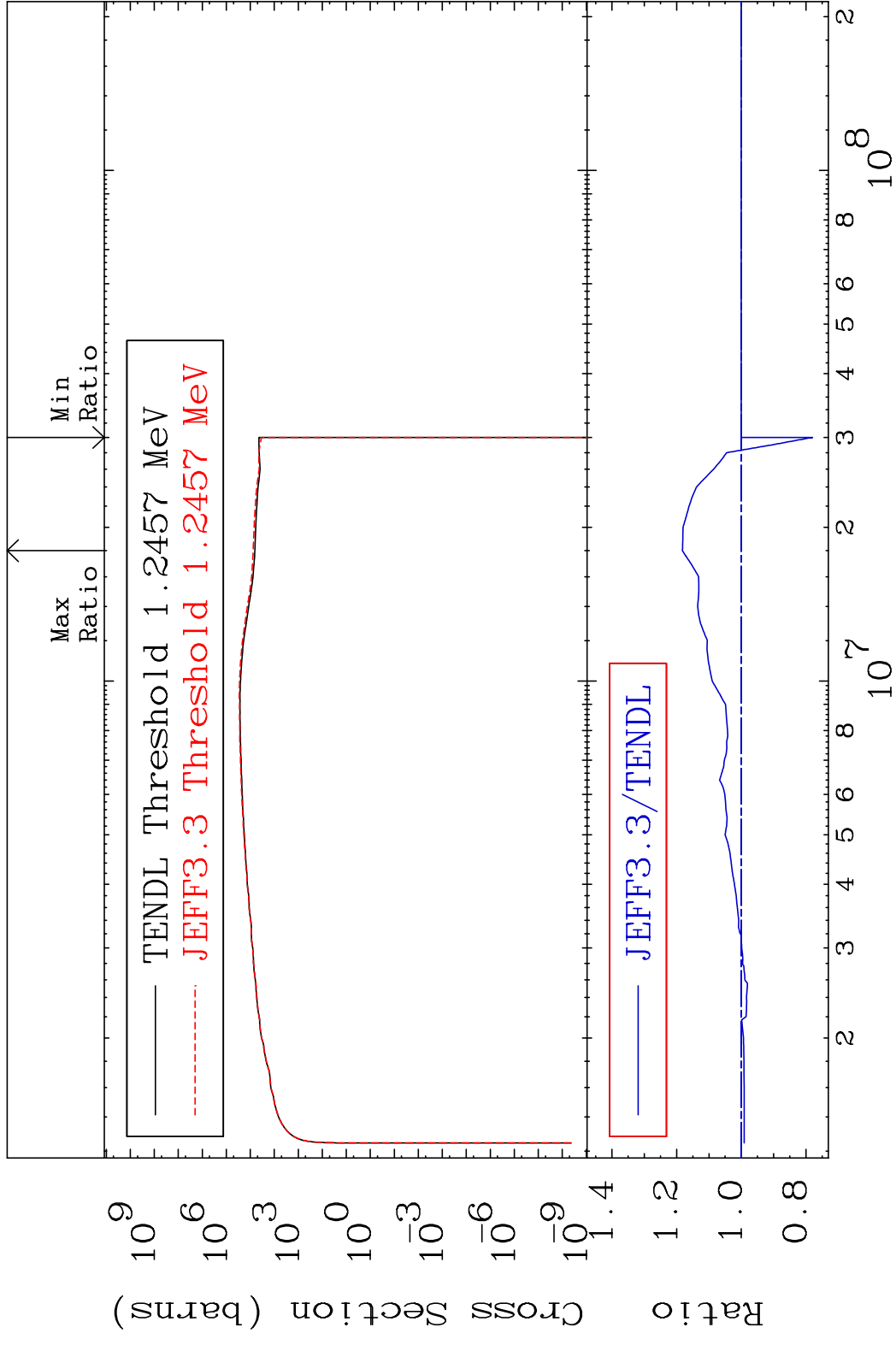
67

Incident Energy (eV)

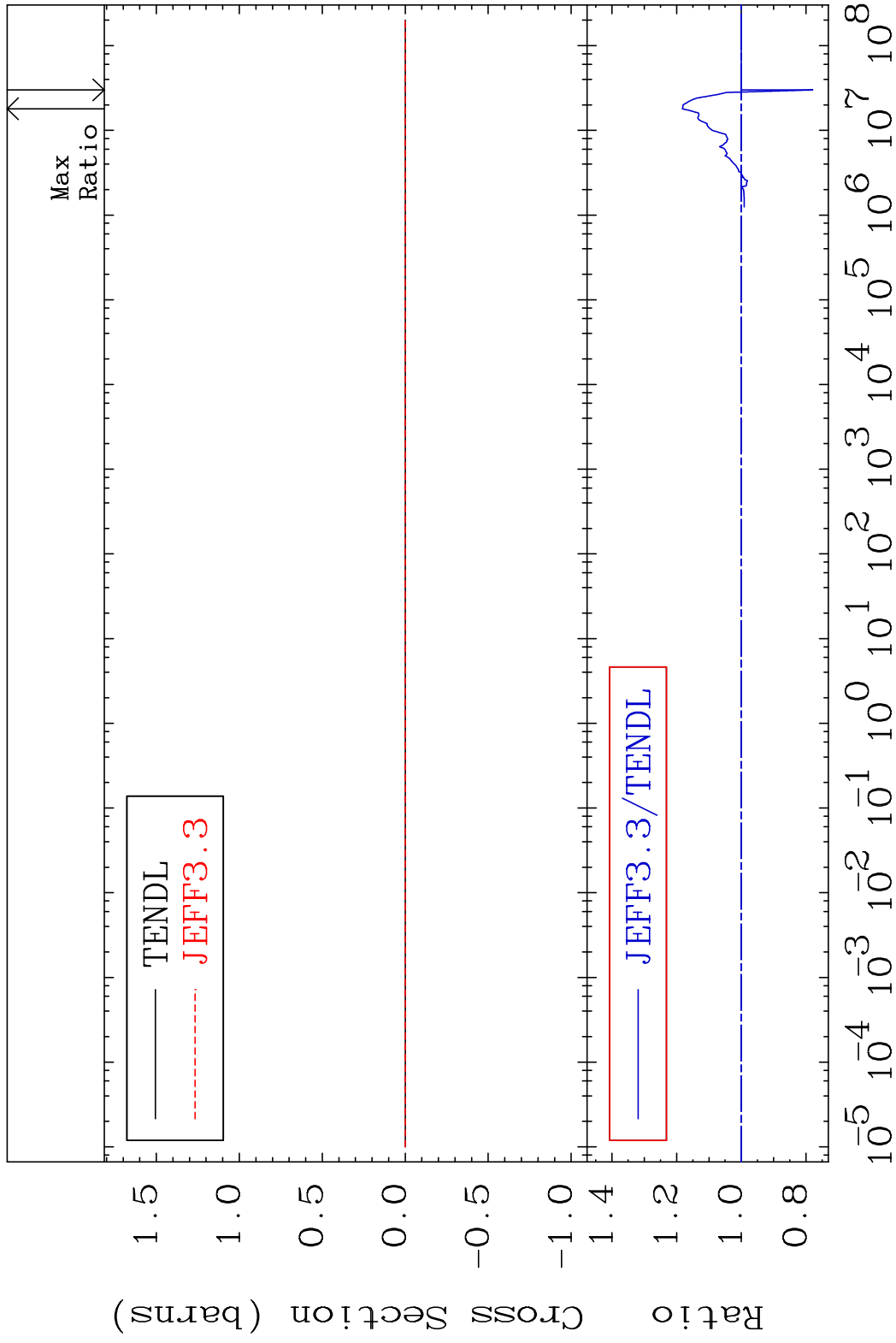
27-Co-57

MAT 2719 Kerma non-elastic (all but mt2) 27-Co-57  
 Cross Section -73.48 To 116.8 %

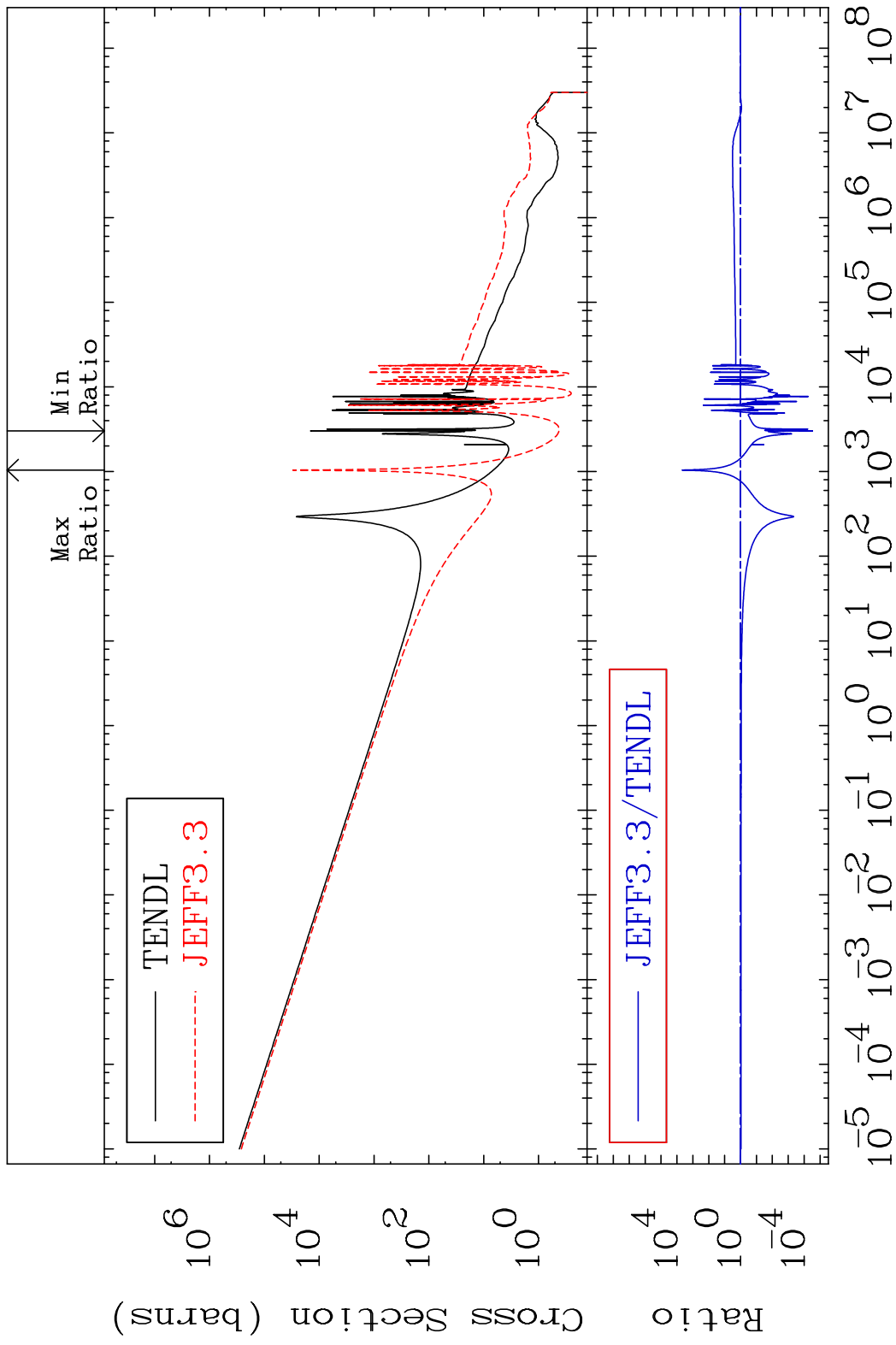




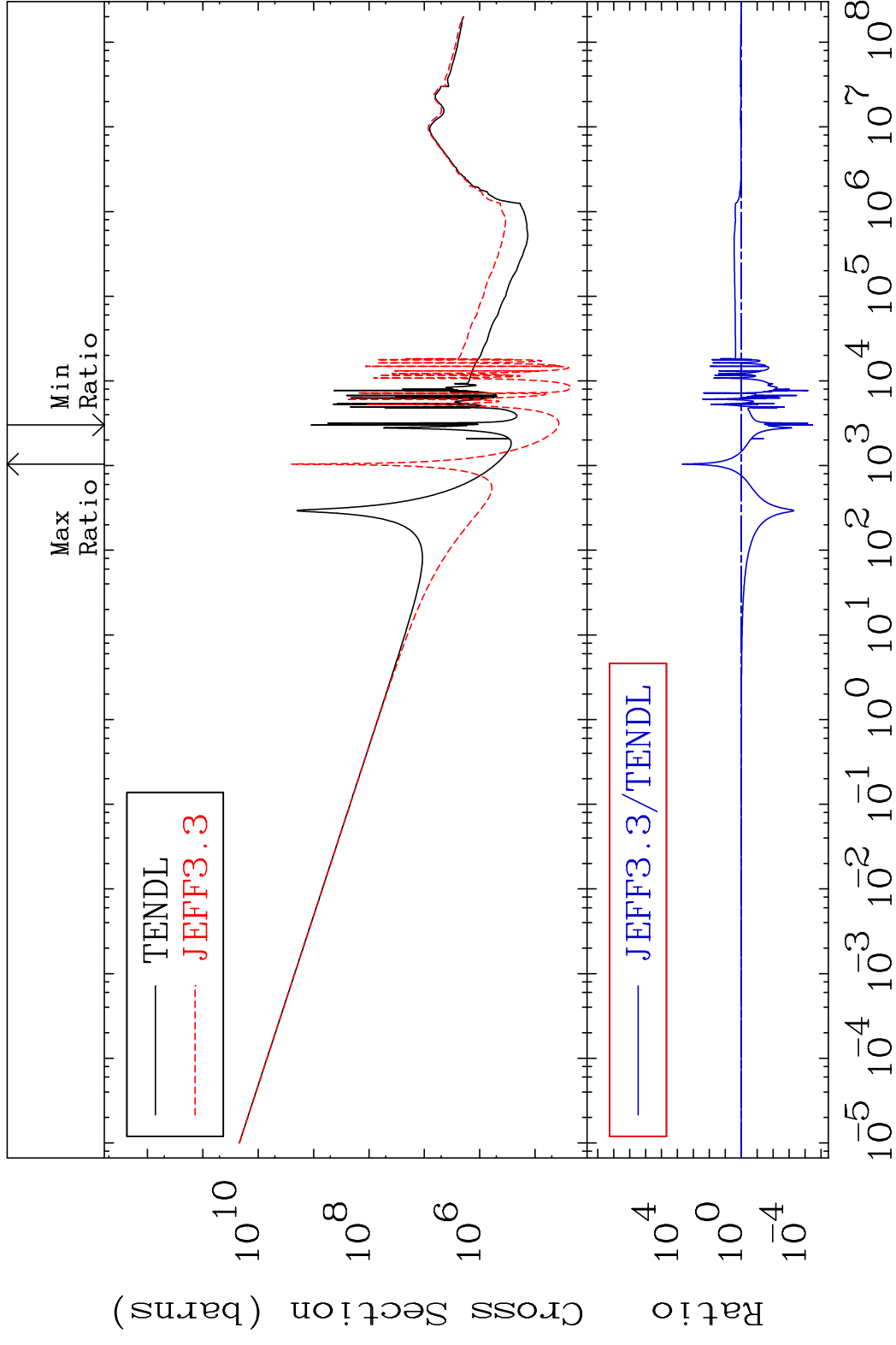
MAT 2719 Kerma fission (mt18 or mt19-20-21-38) 27-Co-57  
 Cross Section -22.05 To 18.23 %



MAT 2719 Kerma capture (mt102) 27-Co-57  
 Cross Section -100.0 To 9999. %

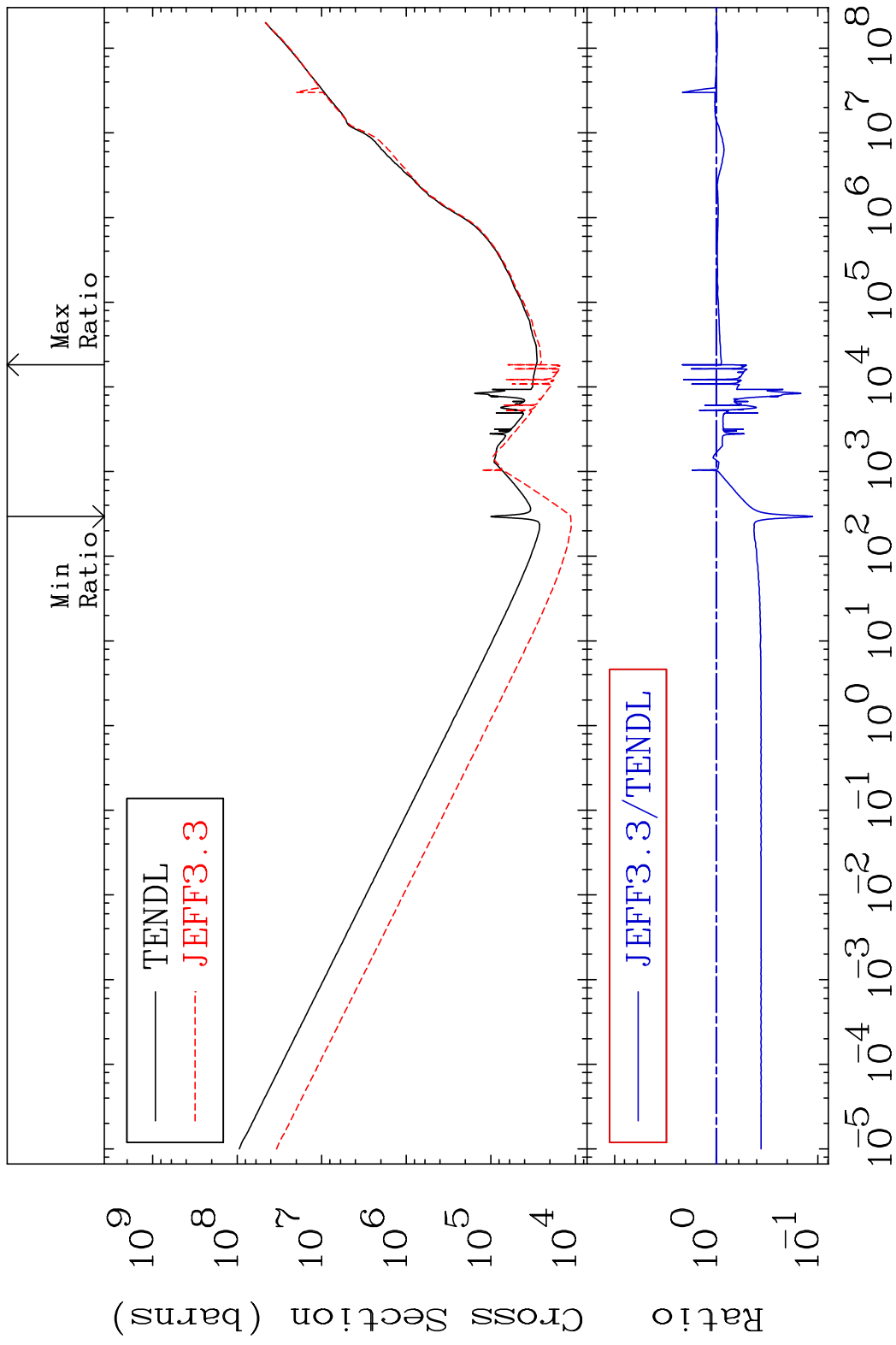


MAT 2719 Total photon (eV-barns) 27-Co-57  
 Cross Section -100.0 To 9999. %



72 Incident Energy (eV) 27-Co-57

MAT 2719 Total kinematic kerma (high limit) 27-Co-57  
 Cross Section -88.70 To 115.5 %

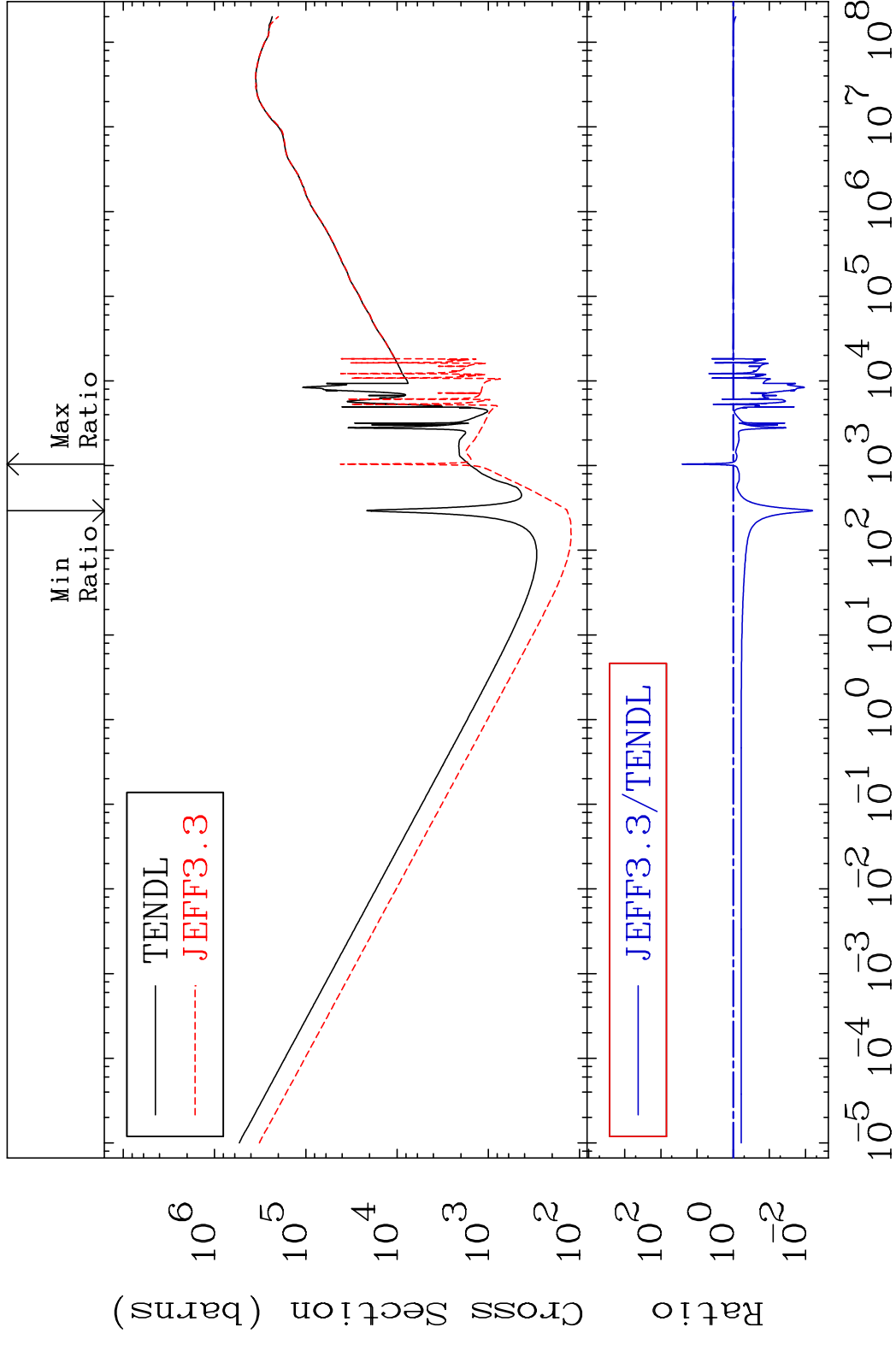


MAT 2719

Dpa total (eV-barns)

27-Co-57

Cross Section -99.36 To 2449. %



74

Incident Energy (eV)

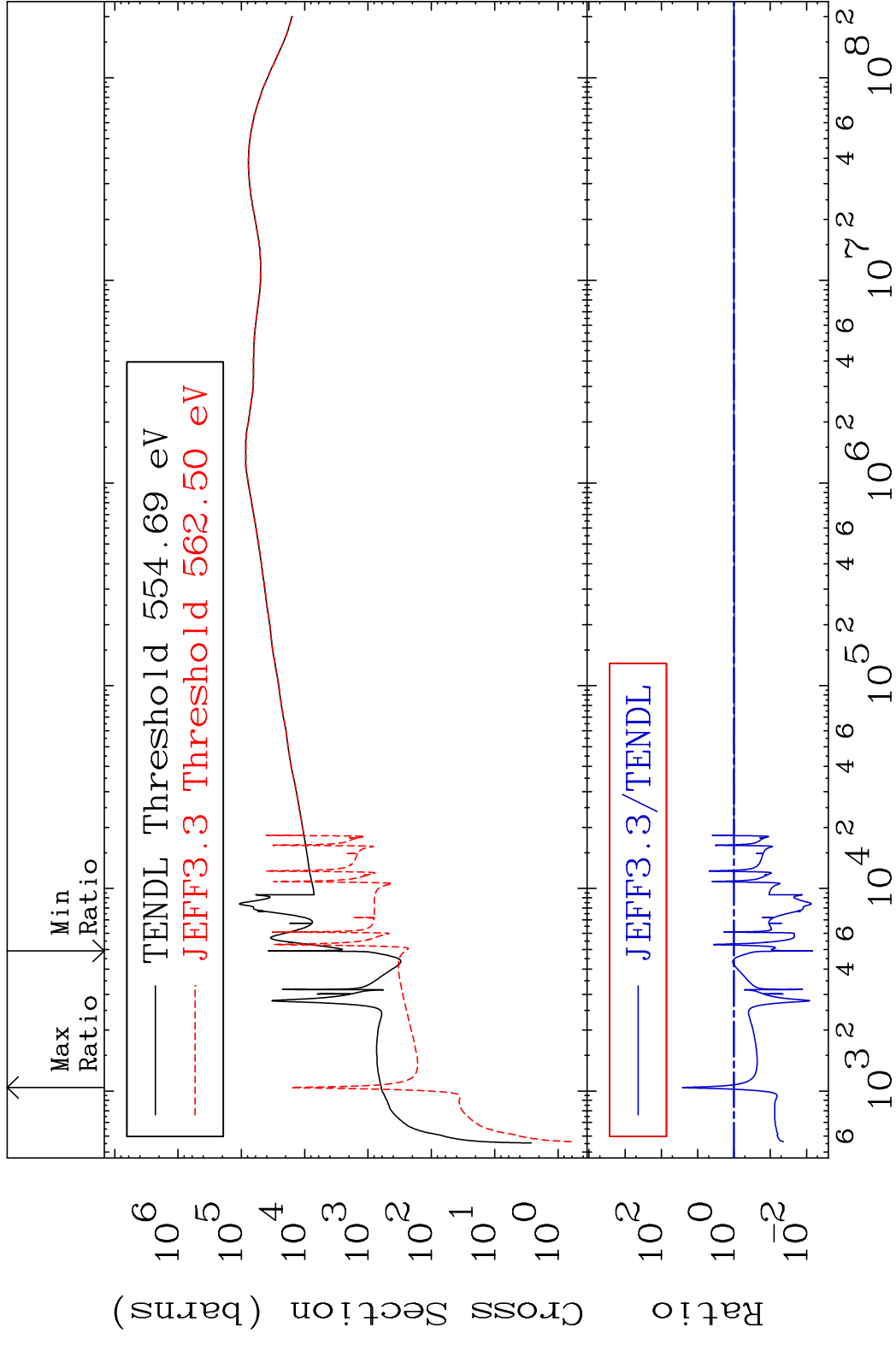
27-Co-57

MAT 2719

Dpa elastic (mt2)

27-Co-57

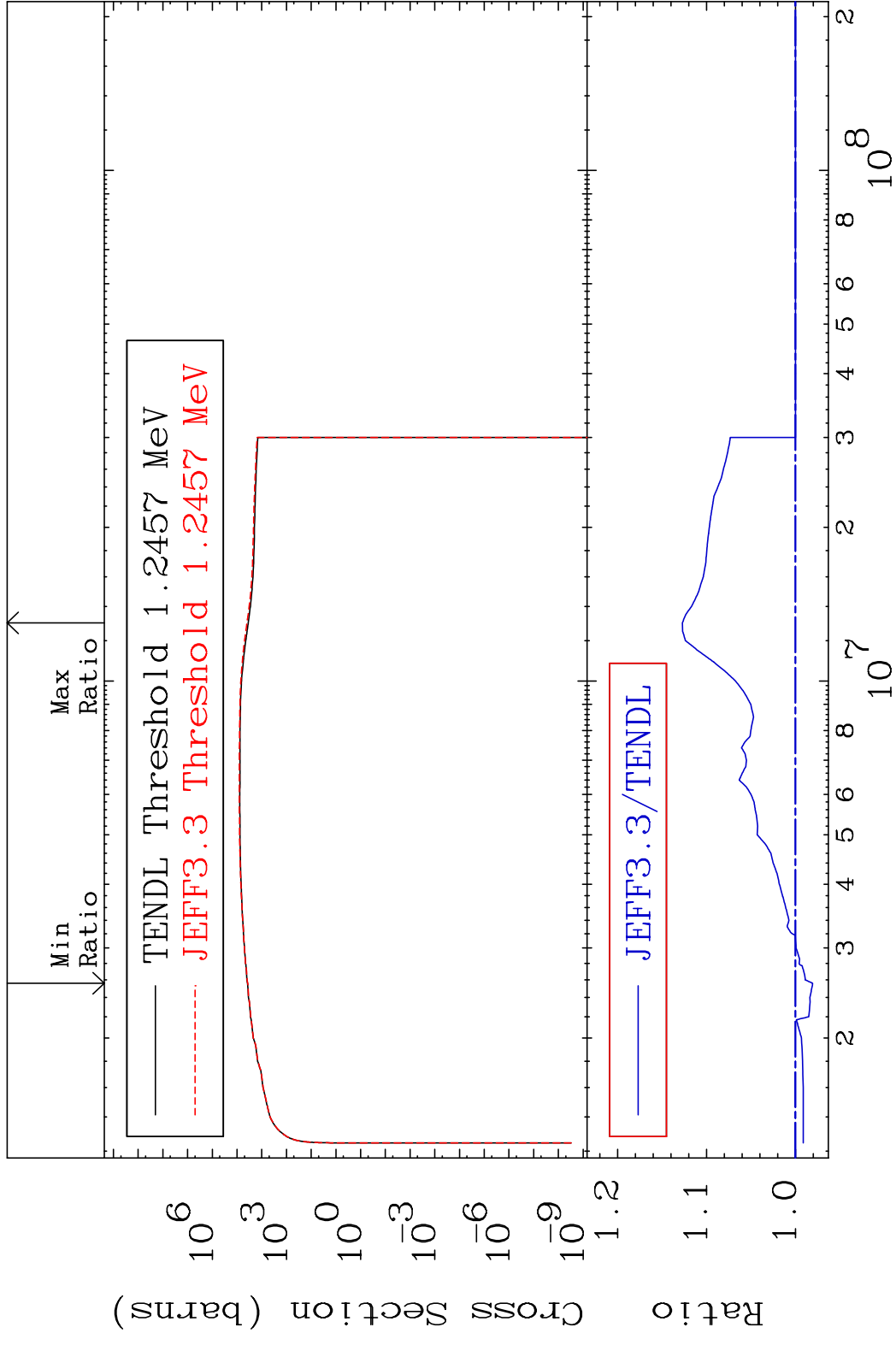
Cross Section -99.32 To 2549. %



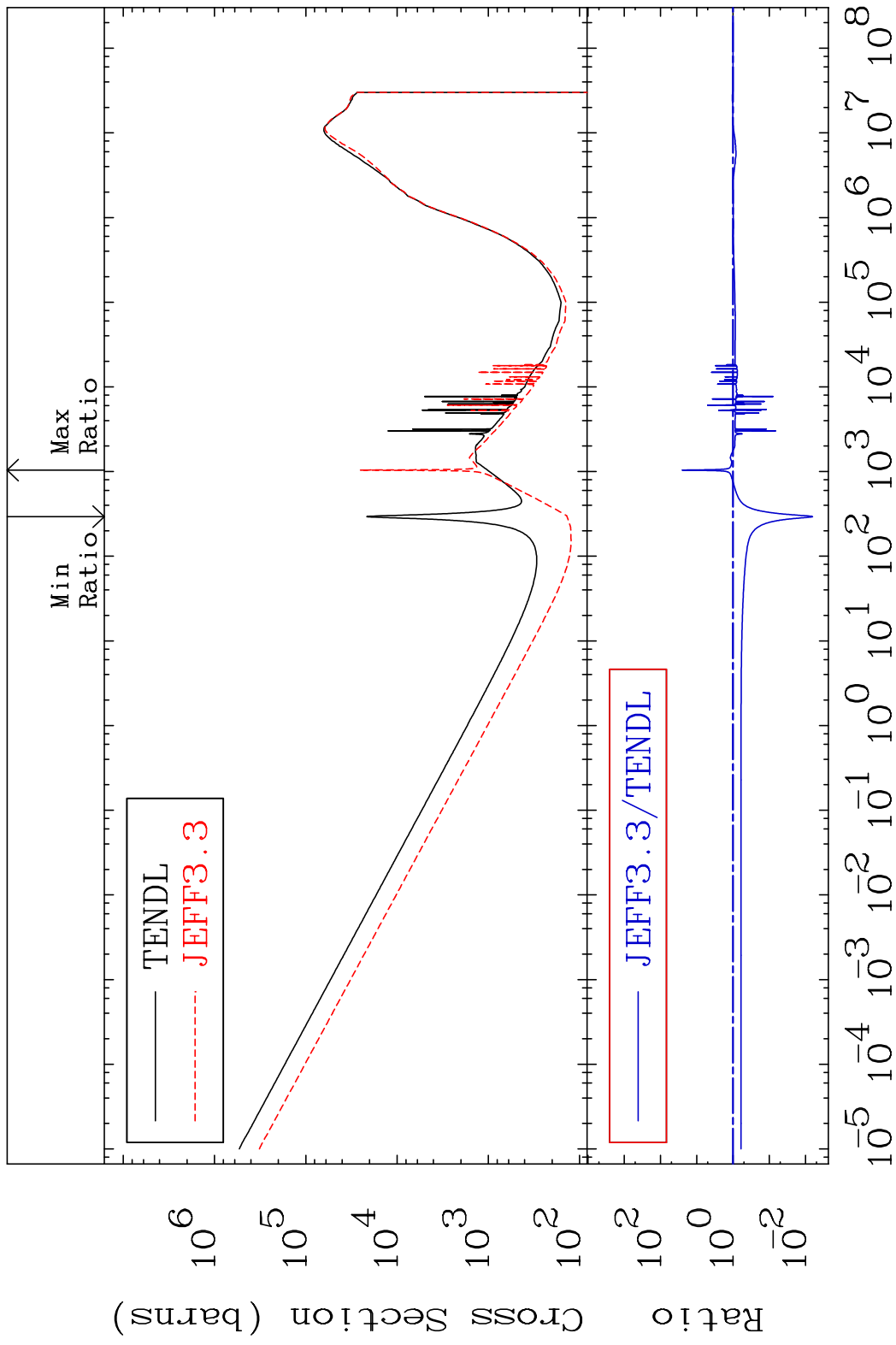
75

Incident Energy (eV)

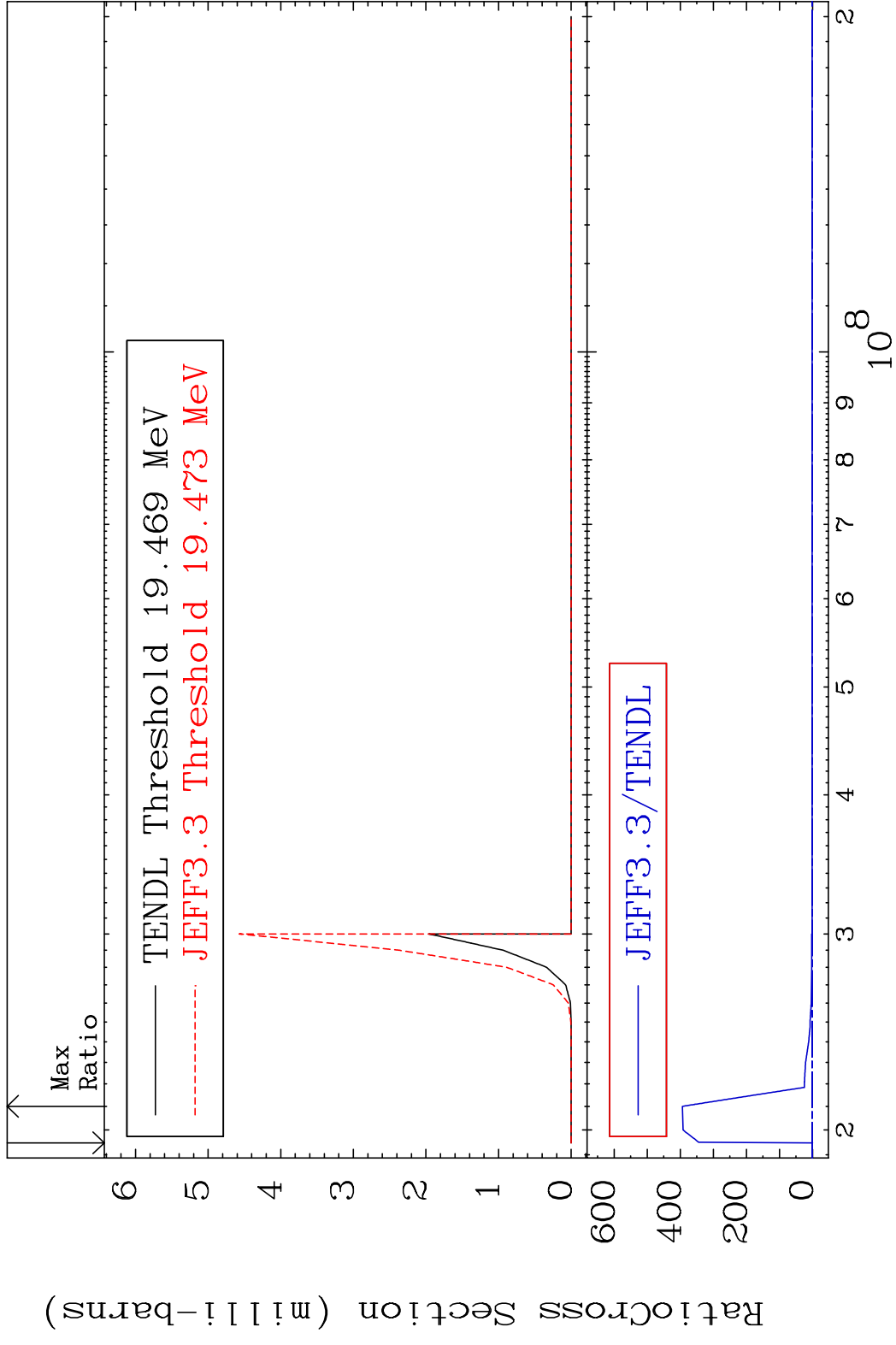
27-Co-57



MAT 2719 Dpa disappearance (mt102 -120) 27-Co-57  
 Cross Section -99.36 To 2392. %



MAT 2719 (n,2n)  $\alpha$ :25-Mn-52g 27-Co-57  
 Radionuclide Production Cross Section 1800.01 dth 9999. %



MAT 2719 (n,2n)  $\alpha$ :25-Mn-52m1 27-Co-57  
 Radionuclide Production Cross Section 2400. %

