

Program Complot  
(Version 2021-1)

by

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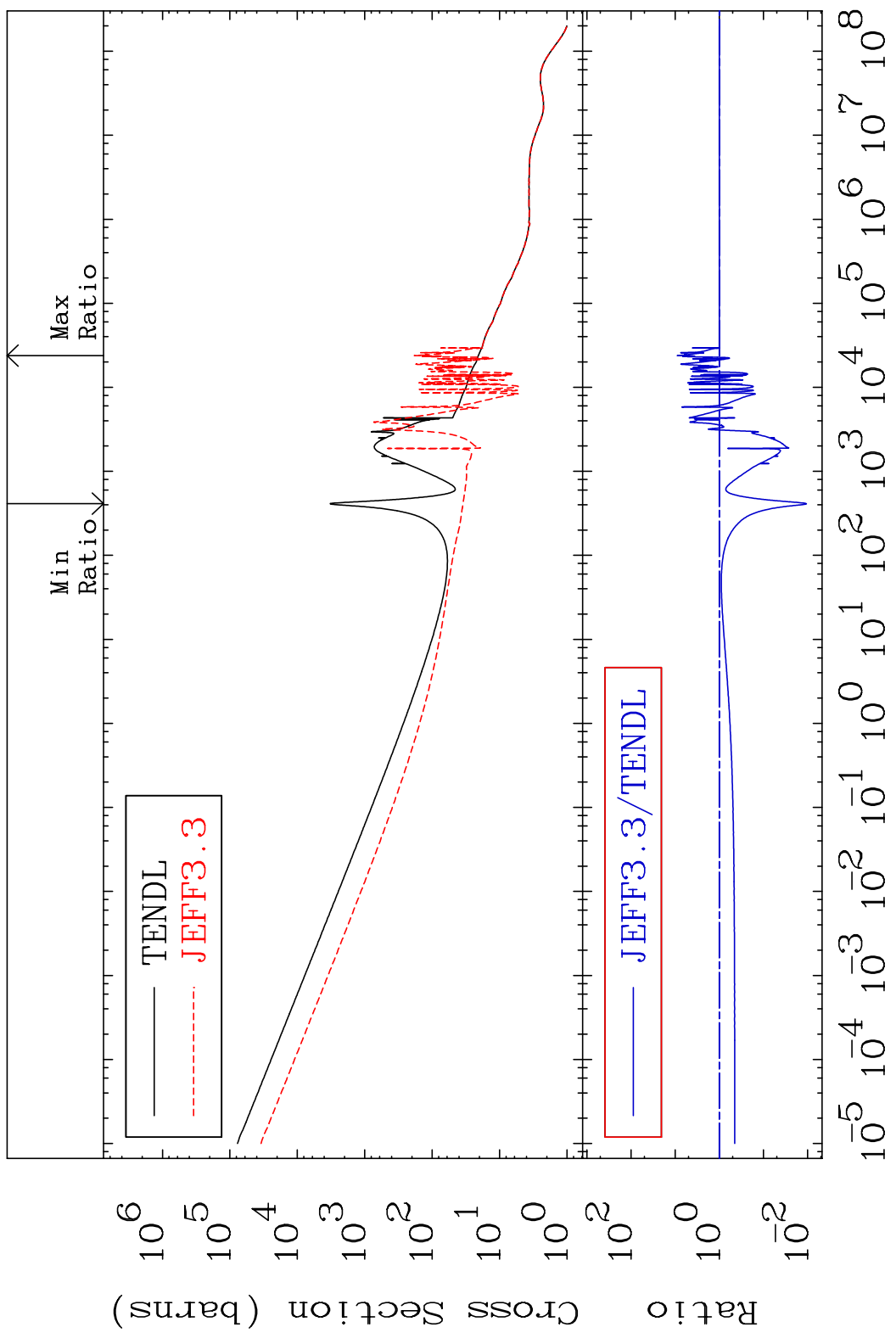
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Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2516

Total Cross Section -98.94 To 801.0 %  
25-Mn-52

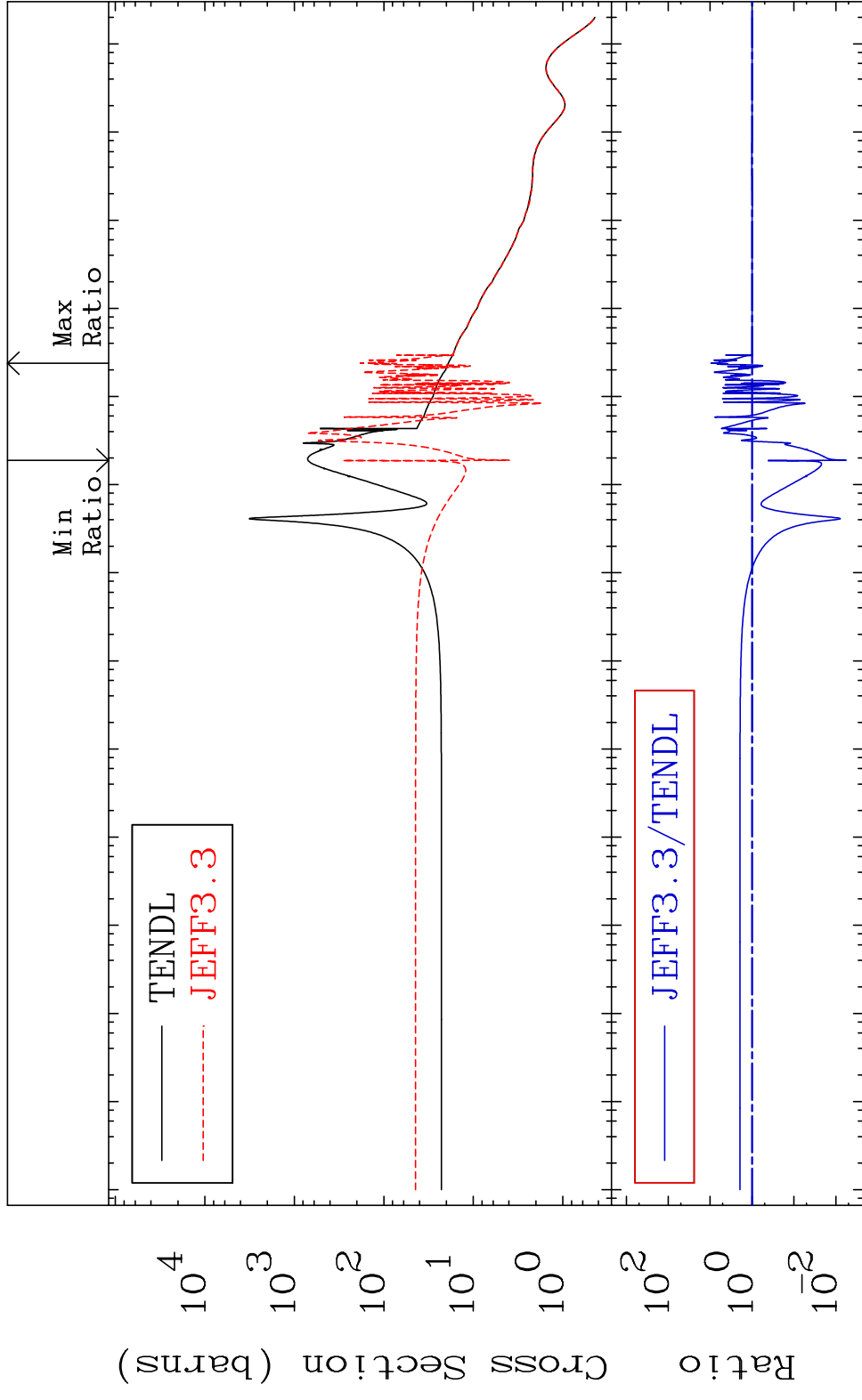


MAT 2516

25-Mn-52

Elastic

Cross Section -99.44 To 868.4 %

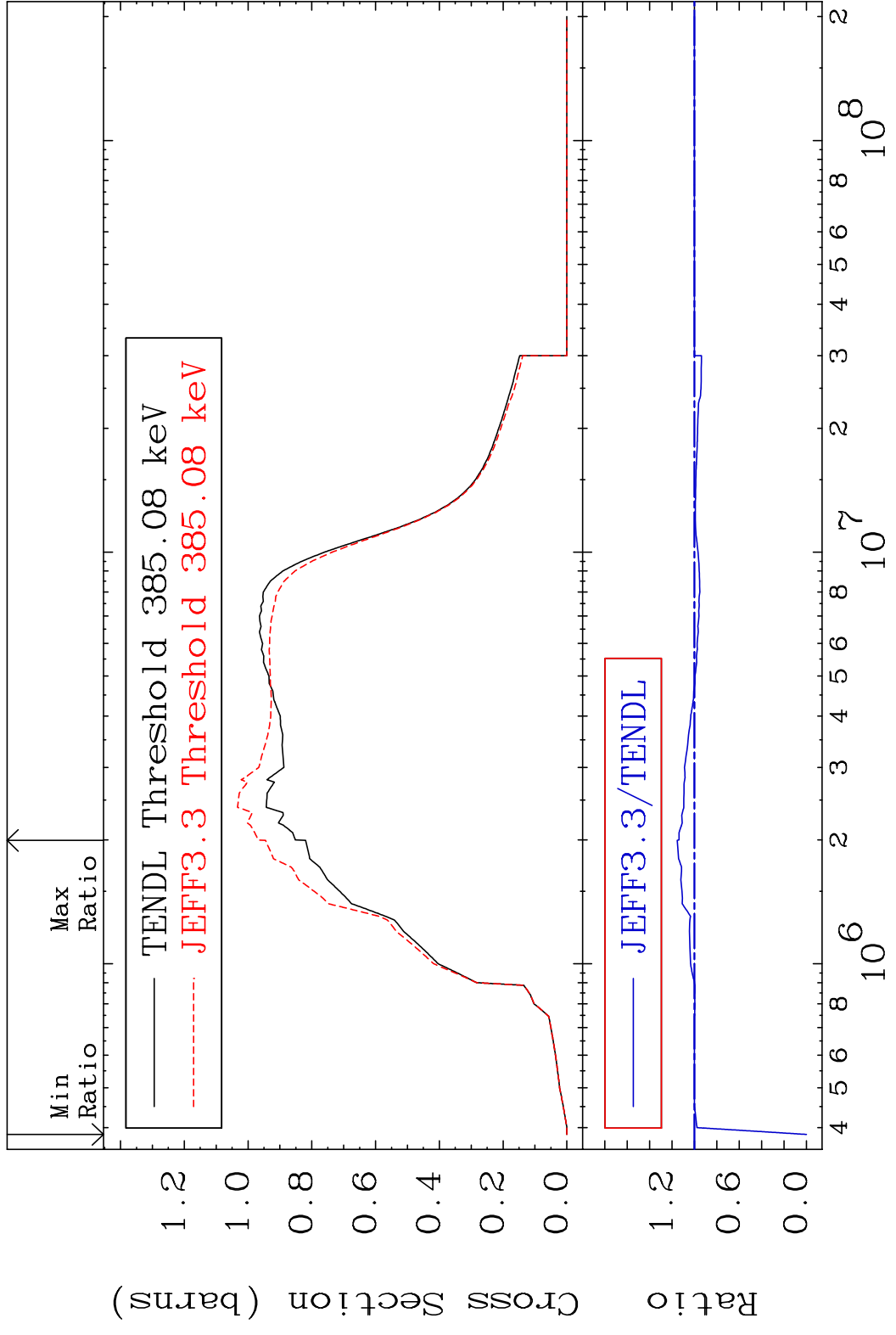


2

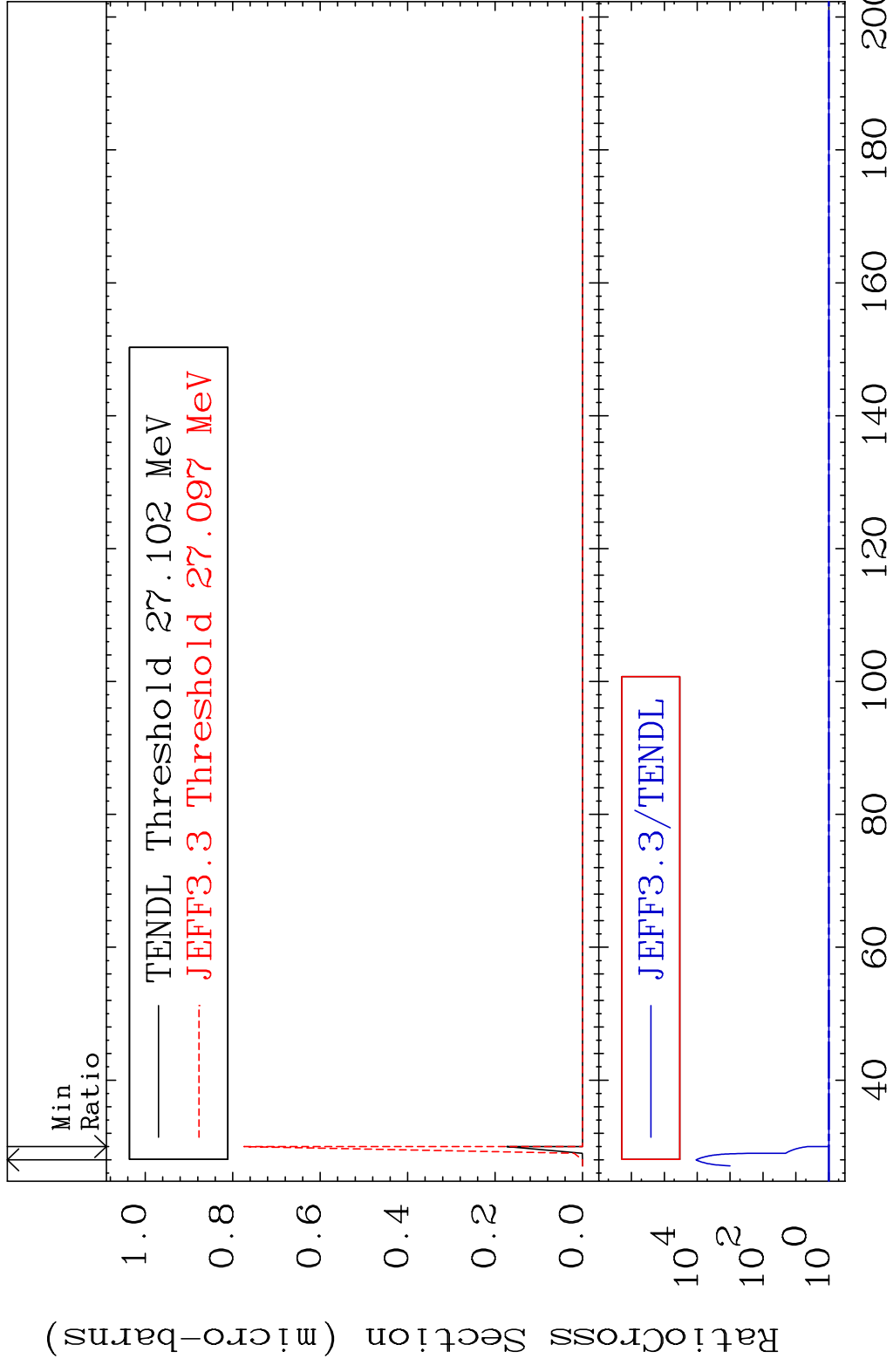
Incident Energy (eV)

25-Mn-52

MAT 2516 Inelastic 25-Mn-52  
 Cross Section -100.0 To 15.39 %



MAT 2516 (n,2n) d 25-Mn-52  
 Cross Section 0.000 To 9999. %

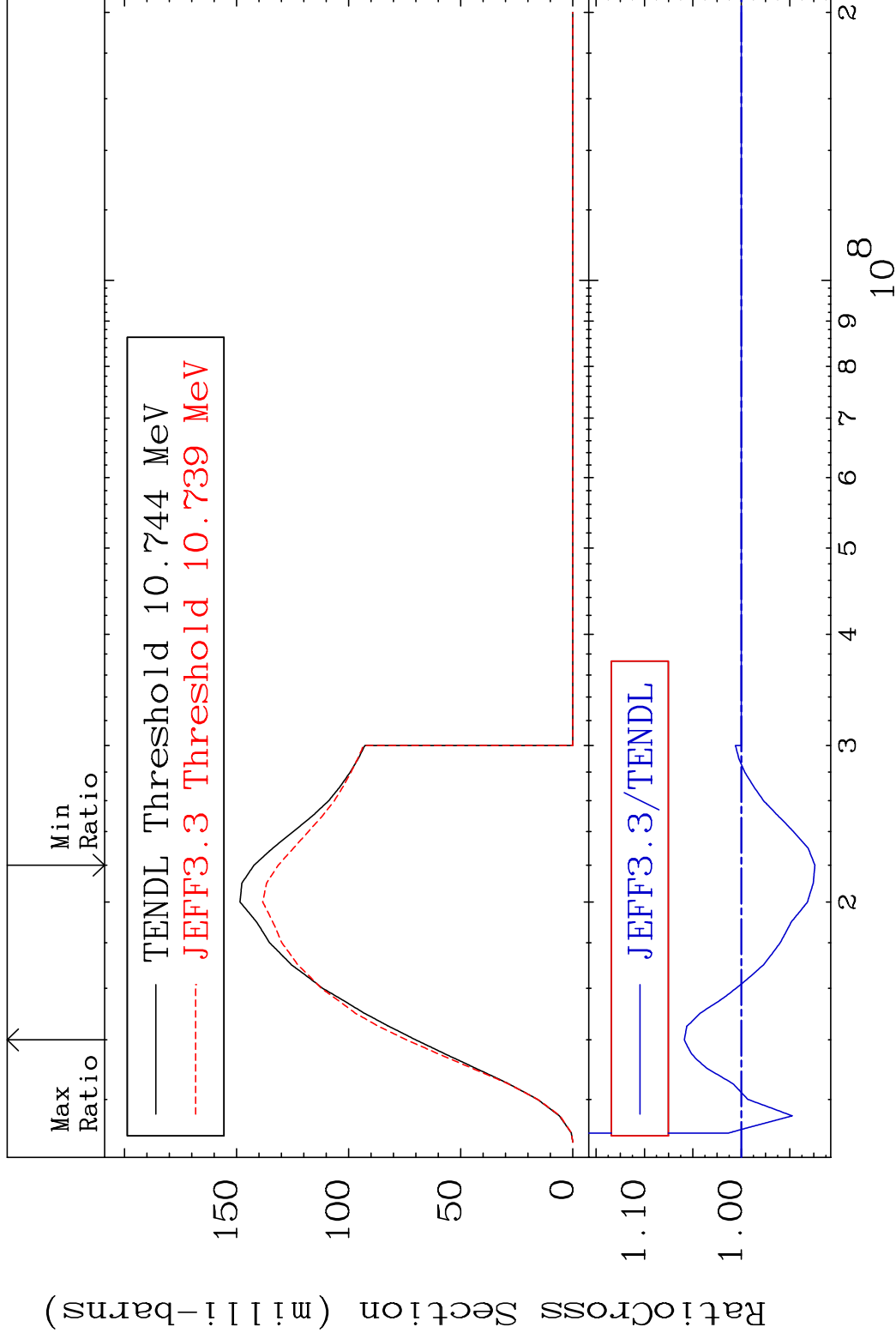


MAT 2516

(n,2n)

25-Mn-52

Cross Section -7.602 To 5.883 %



5

Incident Energy (eV)

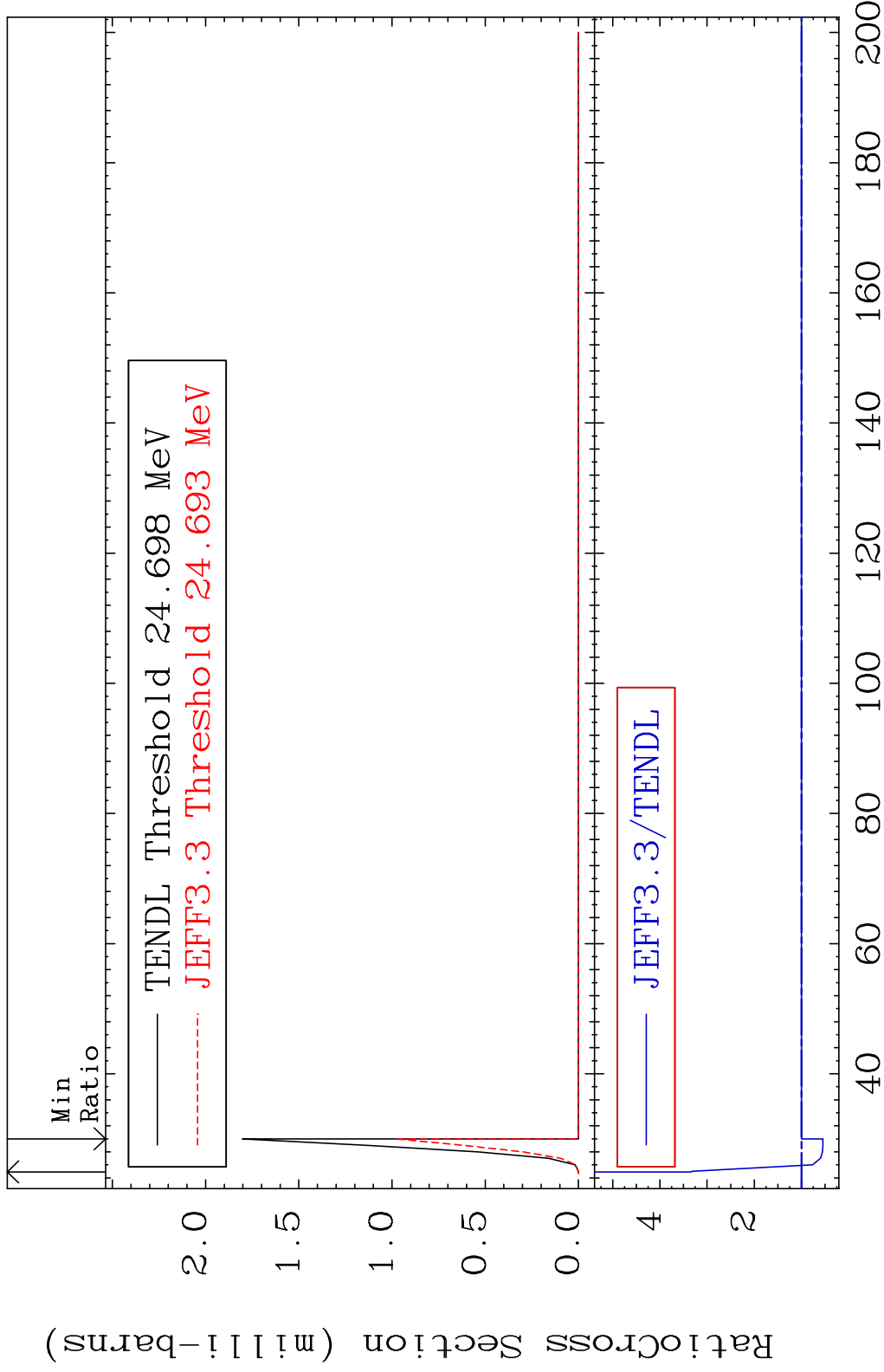
25-Mn-52

MAT 2516

(n,3n)

25-Mn-52

Cross Section -45.43 To 234.1 %



6

Incident Energy (MeV)

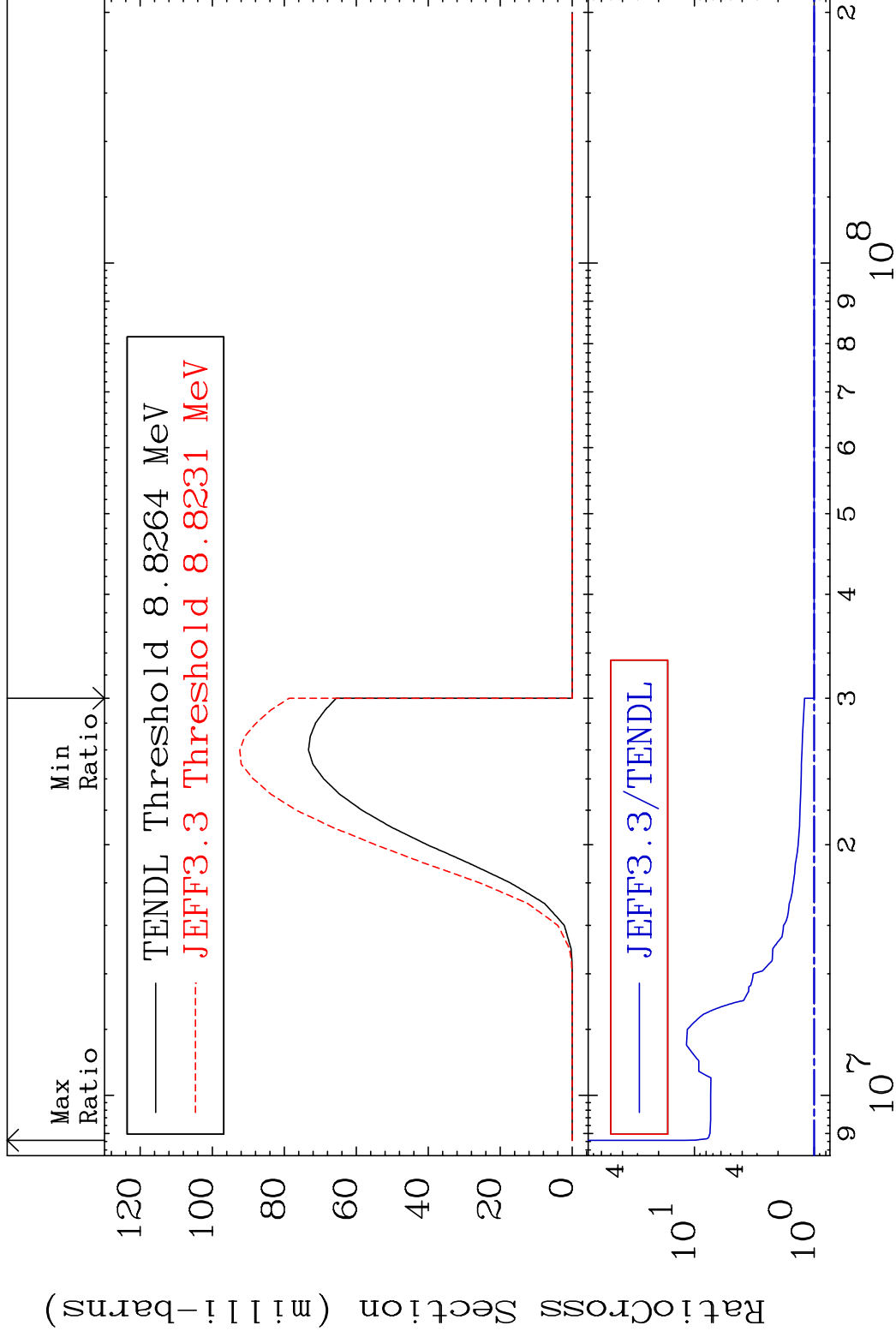
25-Mn-52

MAT 2516

(n, n')  $\alpha$

25-Mn-52

Cross Section 0.000 To 1132. %



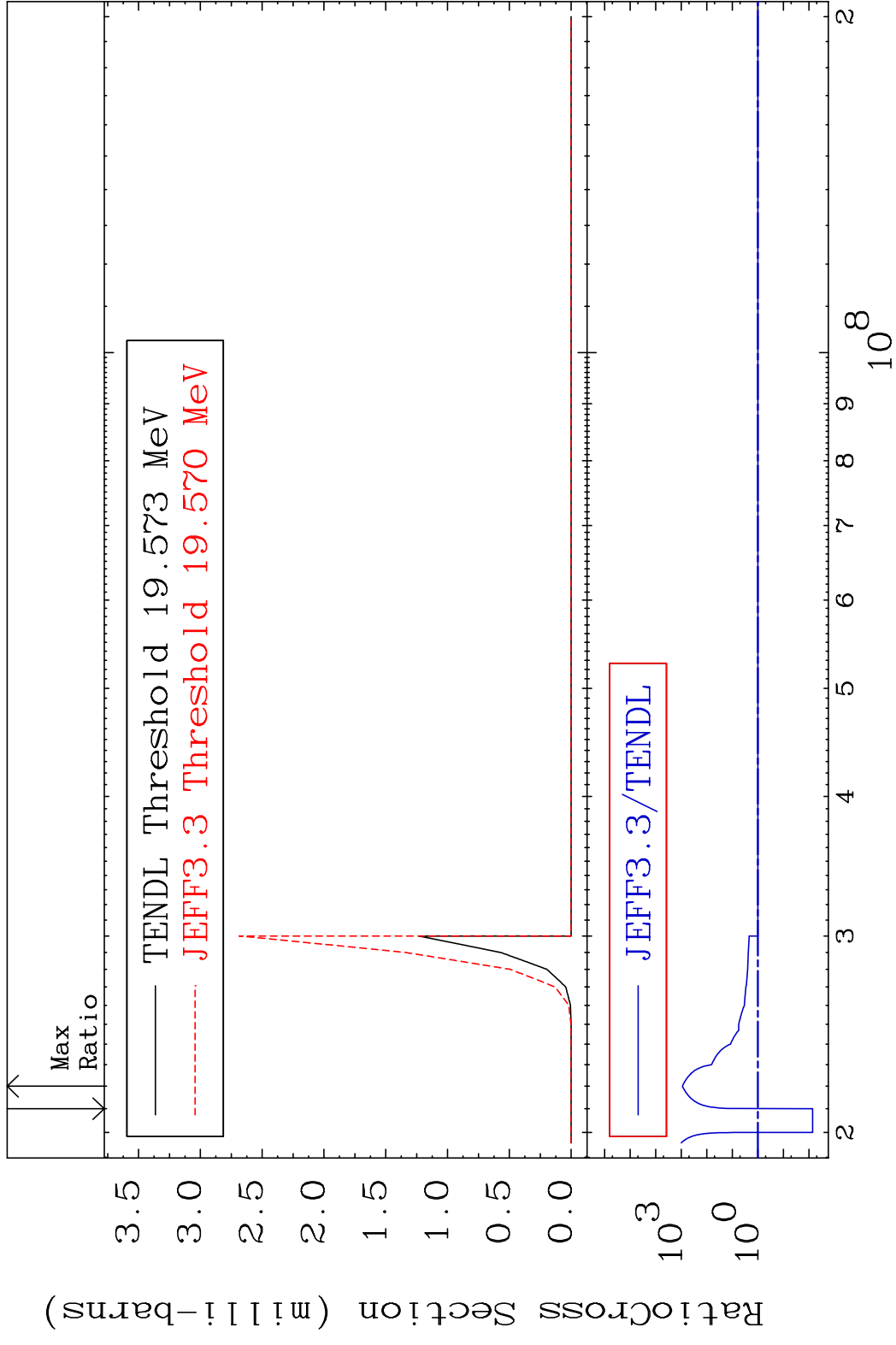
7

Incident Energy (eV)

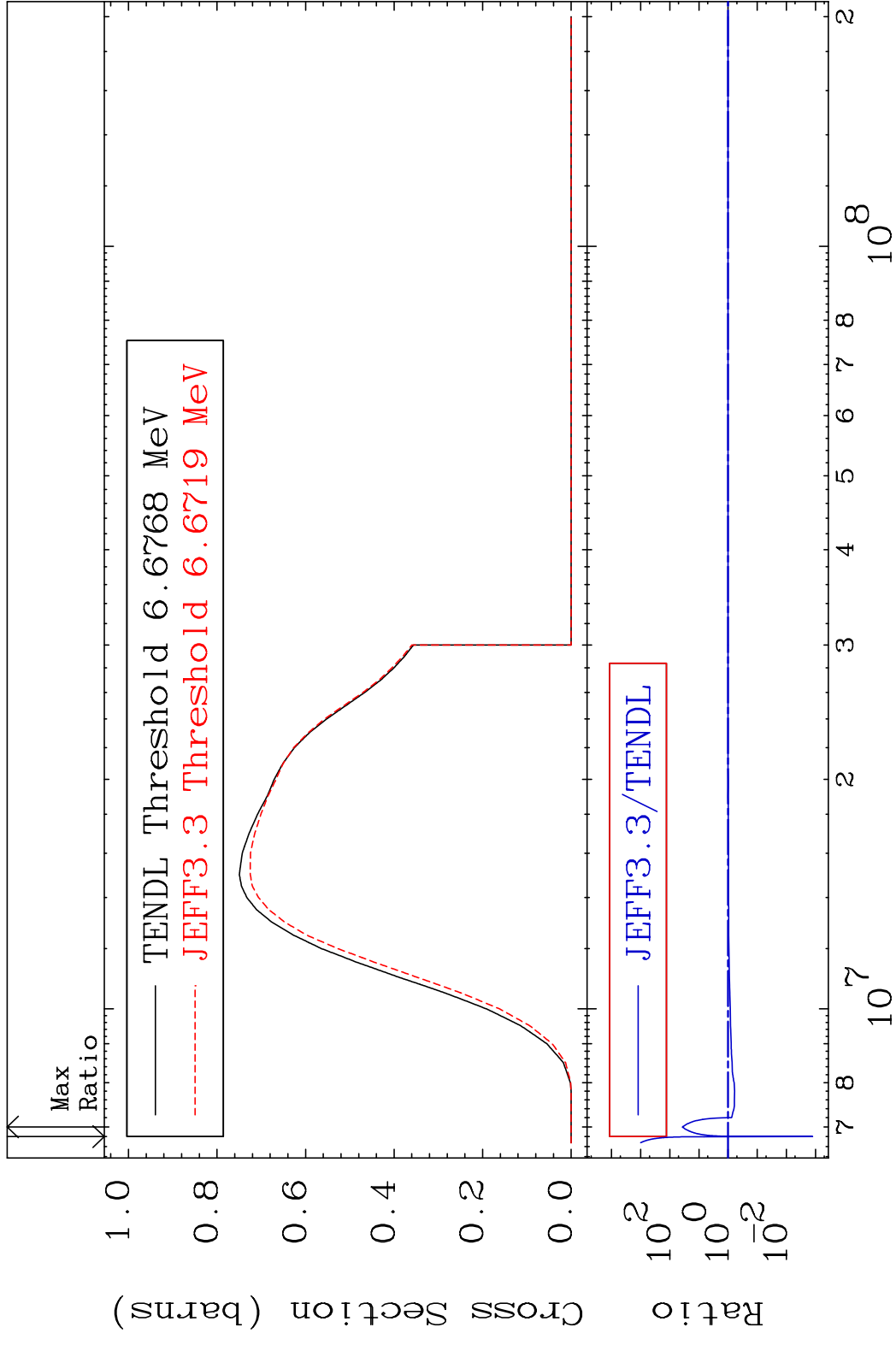
25-Mn-52



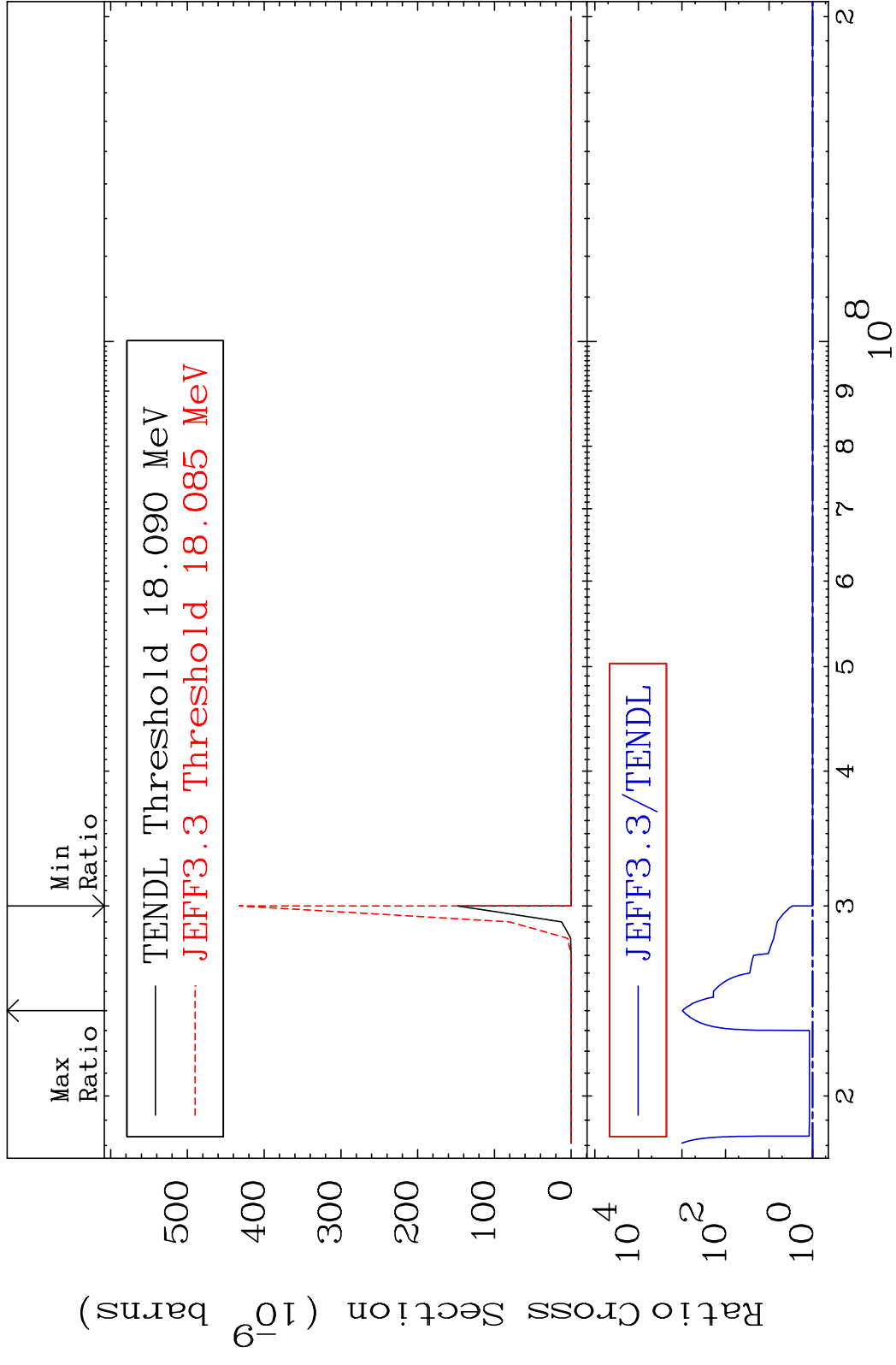
MAT 2516 (n,2n)  $\alpha$  25-Mn-52  
 Cross Section -99.28 To 9999. %



MAT 2516 (n, n') p 25-Mn-52  
 Cross Section -99.87 To 3610. %

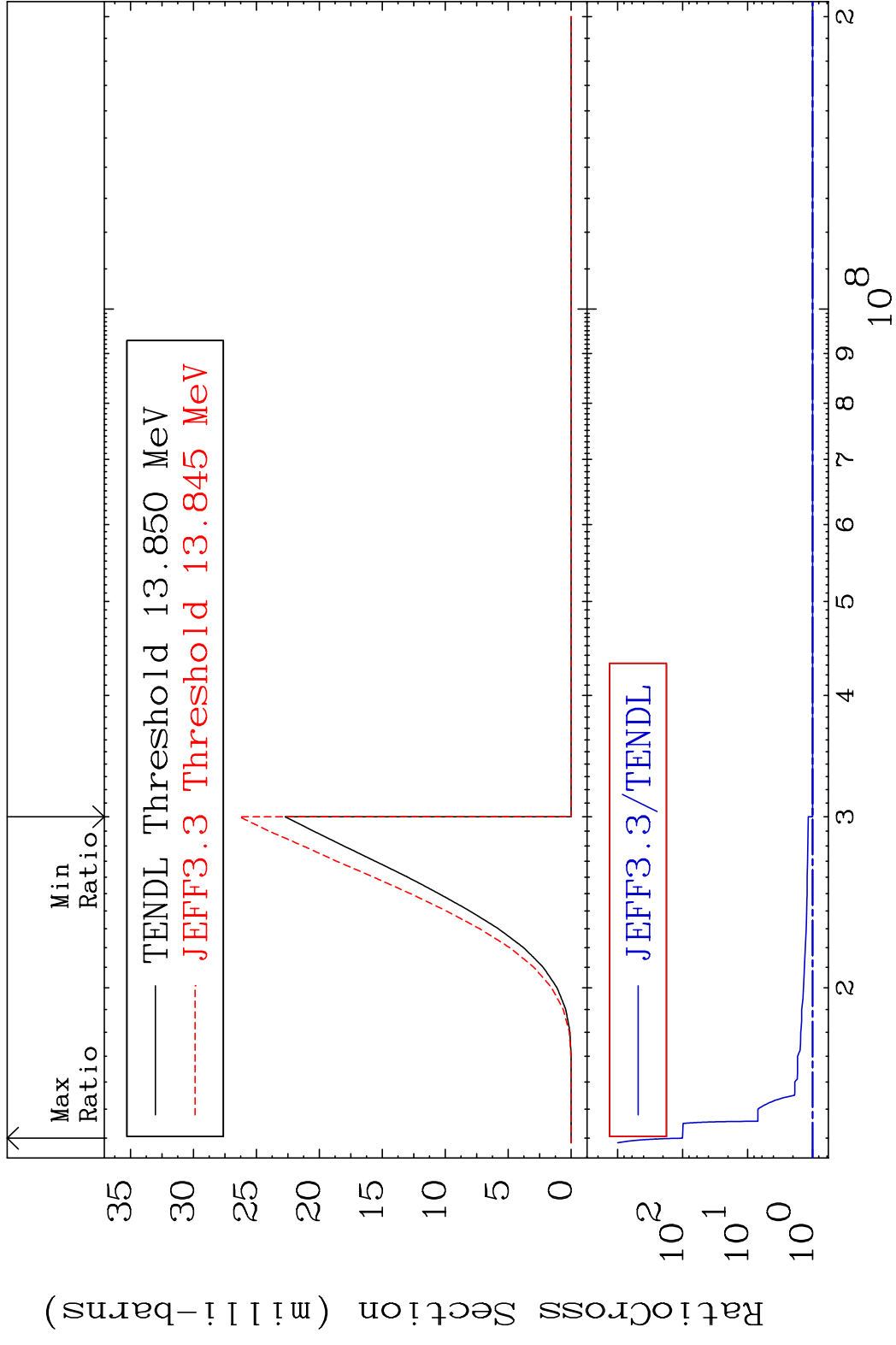


MAT 2516 (n, n') 2α 25-Mn-52  
 Cross Section 0.000 To 9999. %

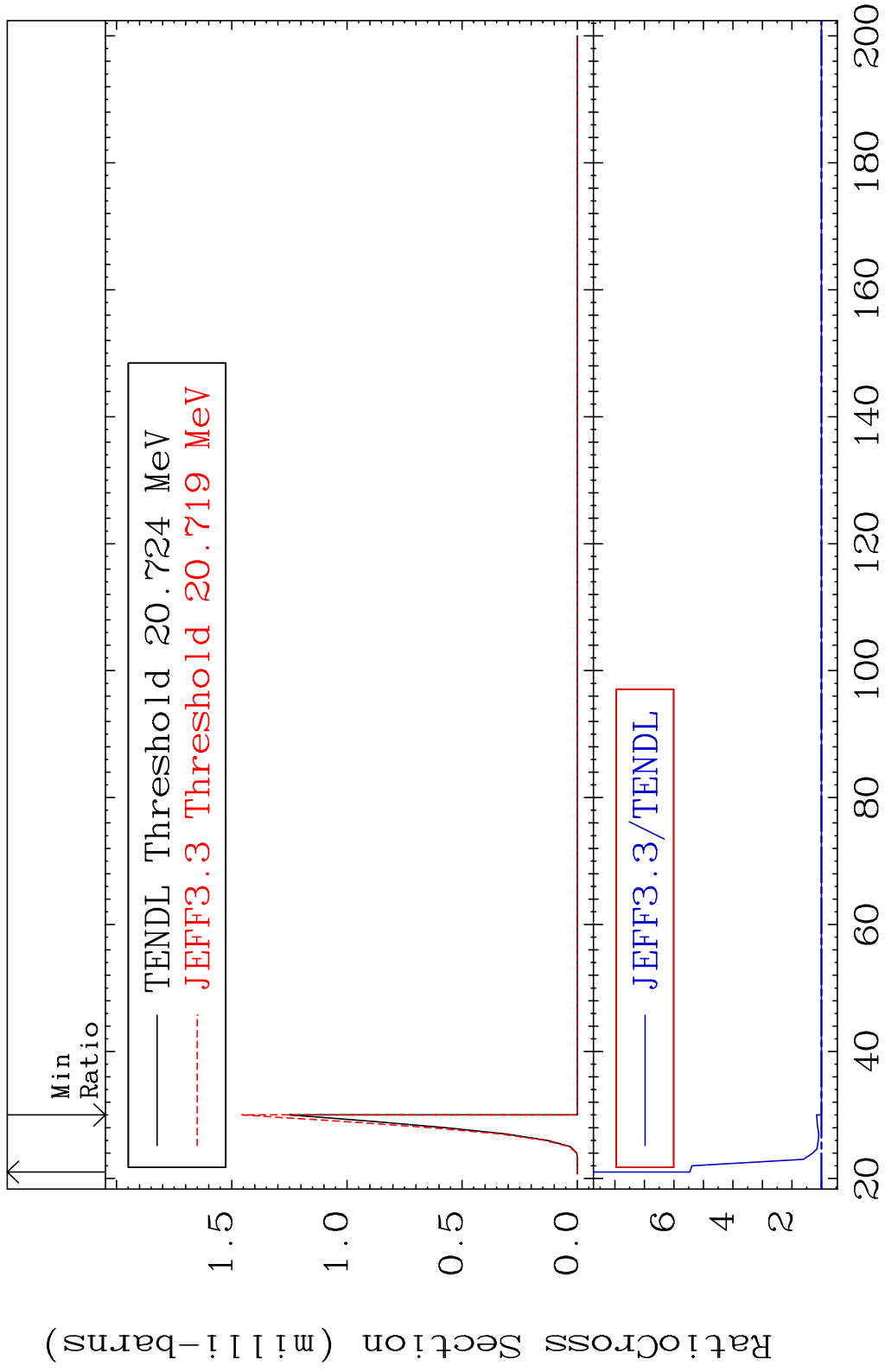


10 25-Mn-52

MAT 2516 (n, n') d 25-Mn-52  
 Cross Section 0.000 To 9999. %



MAT 2516 (n, n') t 25-Mn-52  
 Cross Section 0.000 To 446.1 %



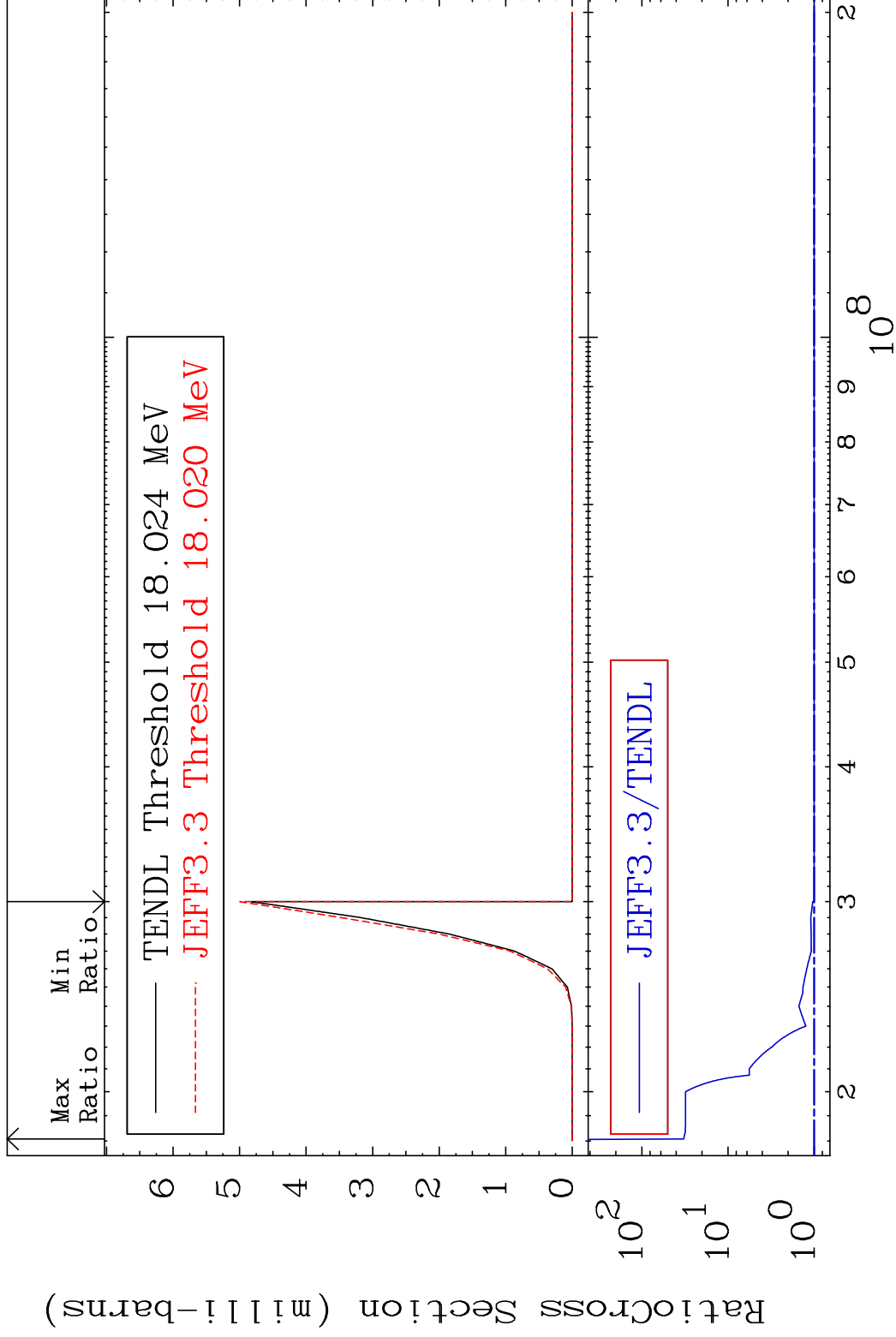
12 Incident Energy (MeV) 25-Mn-52

MAT 2516

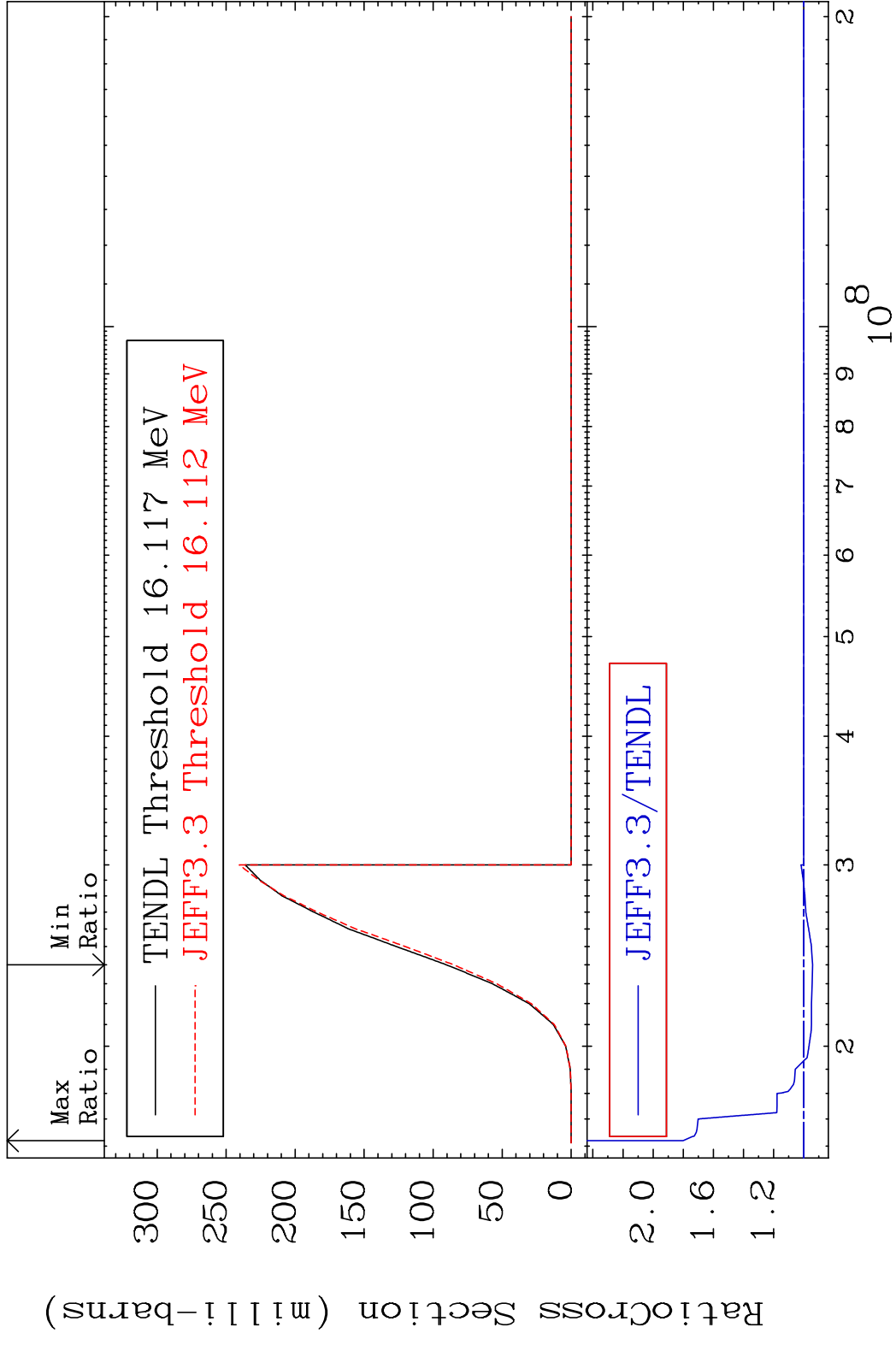
(n,n') He-3

25-Mn-52

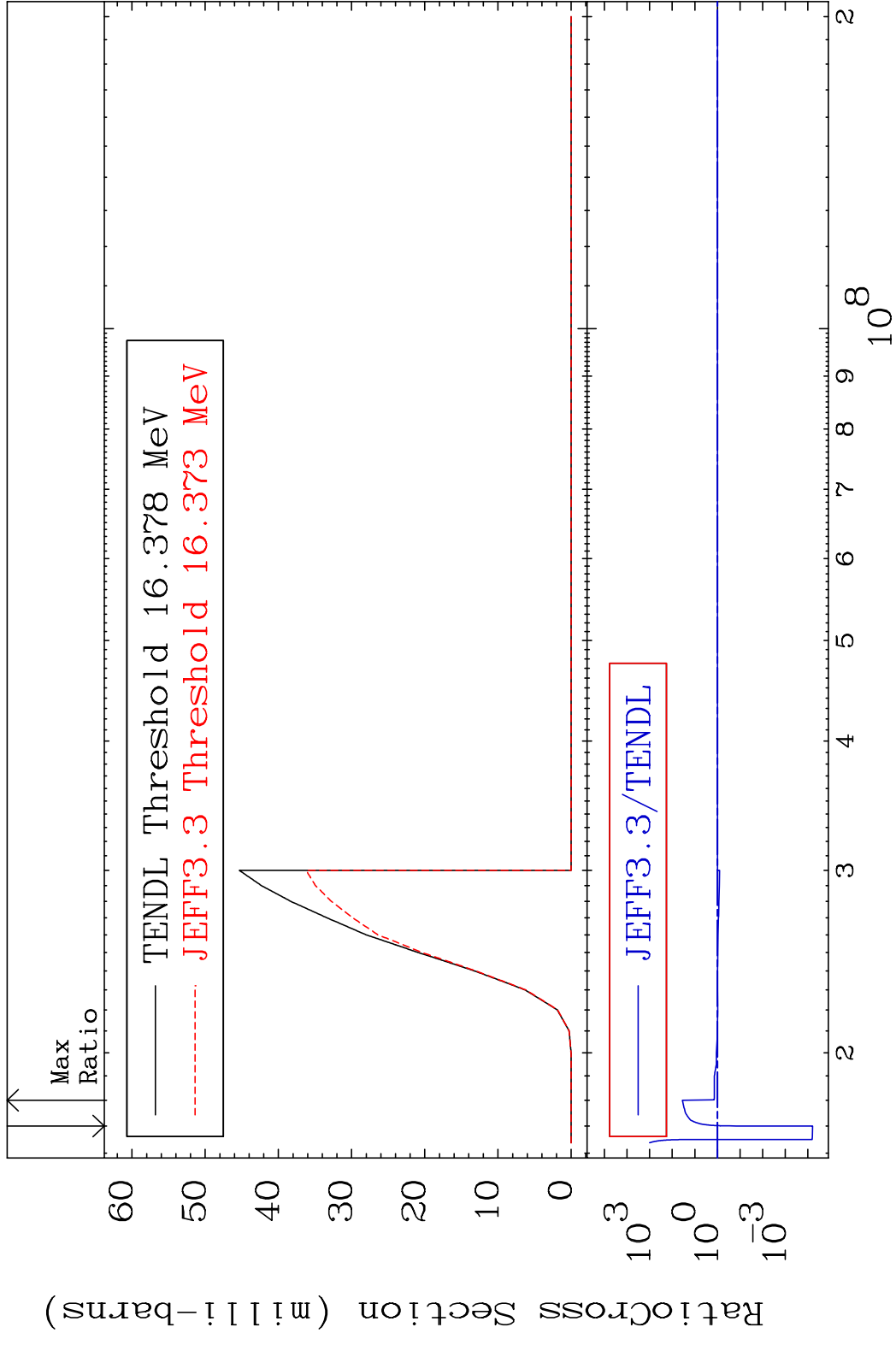
Cross Section 0.000 To 3169. %



MAT 2516 (n,2n) p 25-Mn-52  
 Cross Section -5.816 To 80.60 %



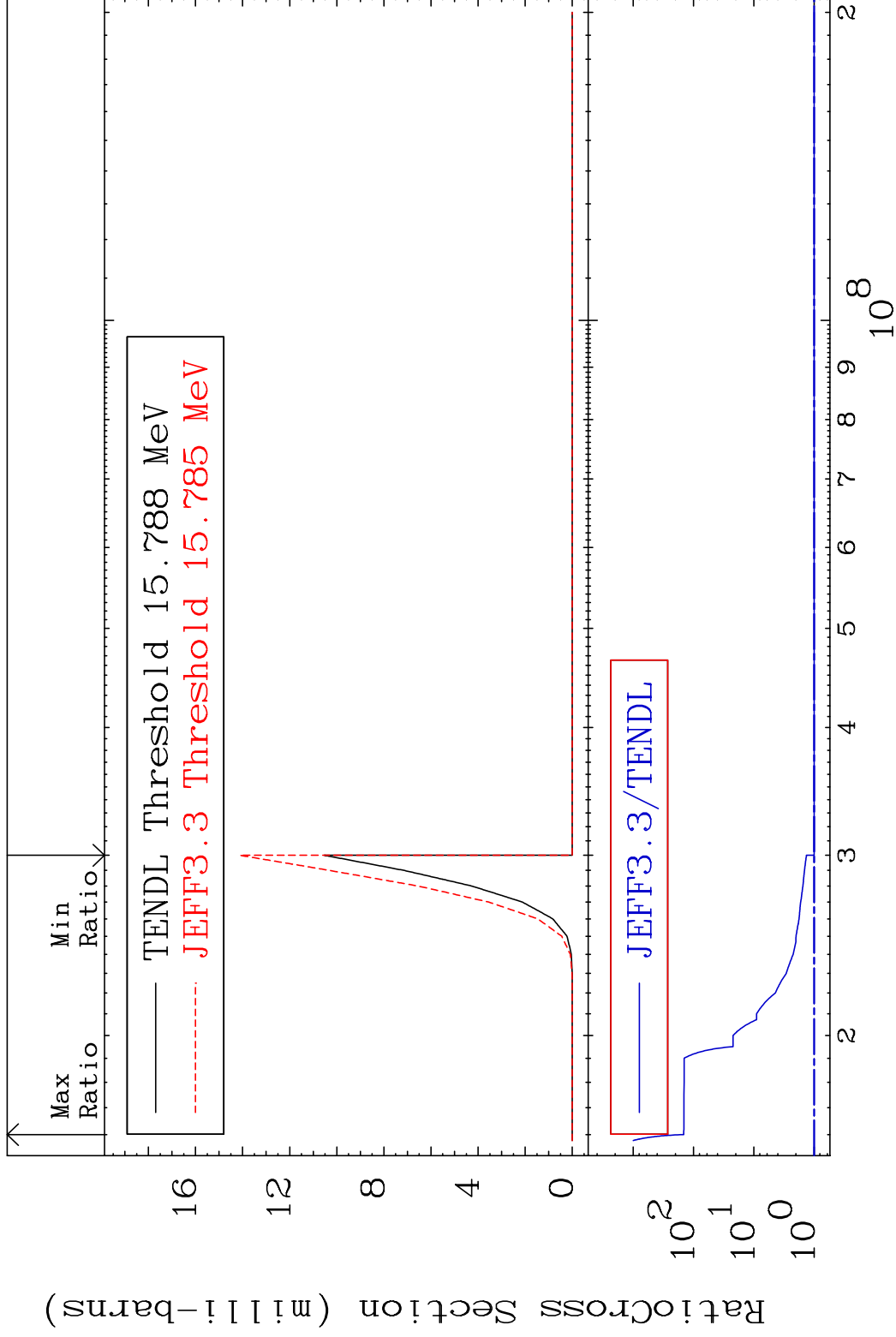
MAT 2516 (n,2n) p 25-Mn-52  
 Cross Section -99.99 To 3461. %





MAT 2516

(n, n') p  $\alpha$  25-Mn-52  
Cross Section 0.000 To 9999. %

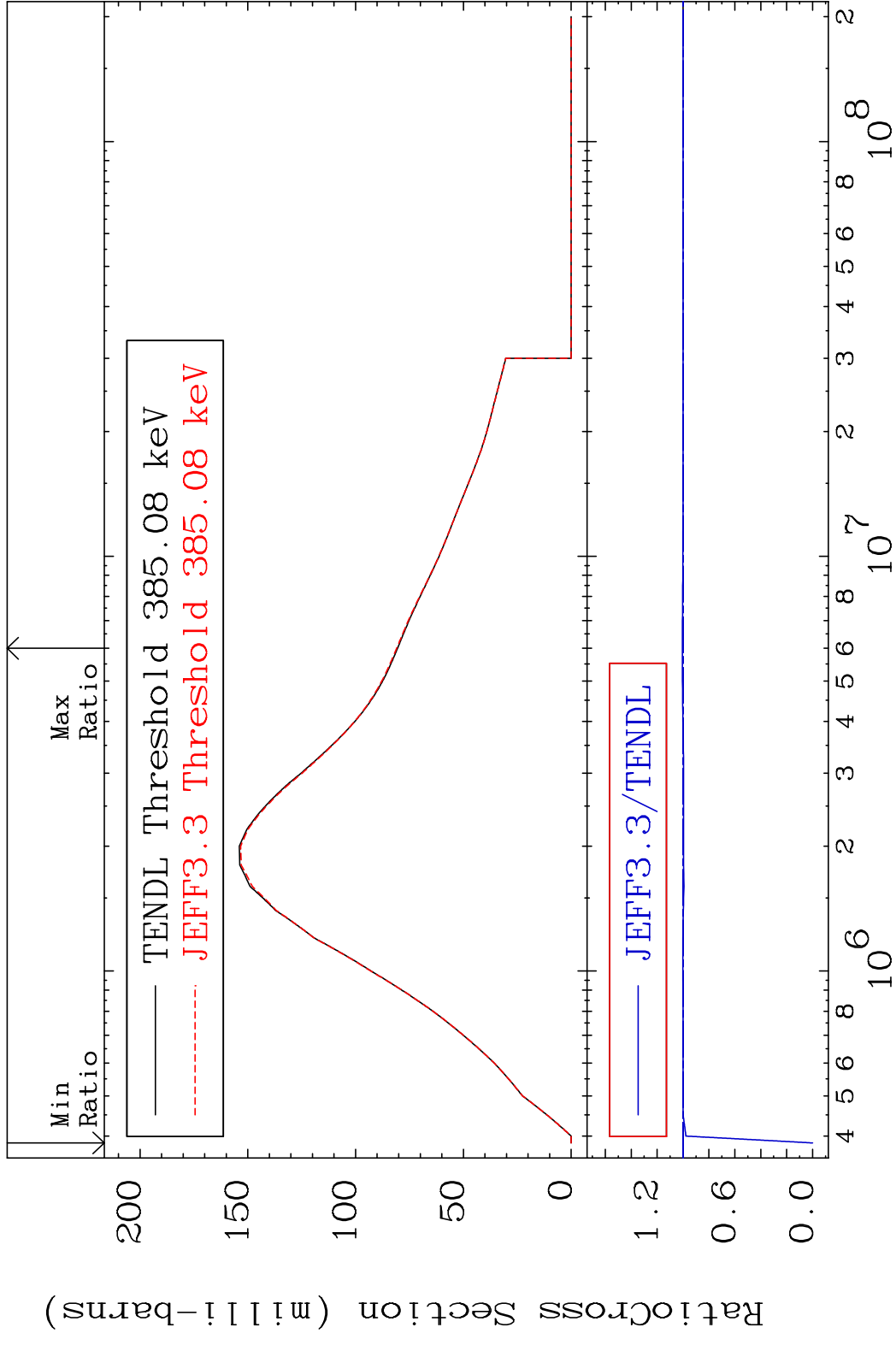


16

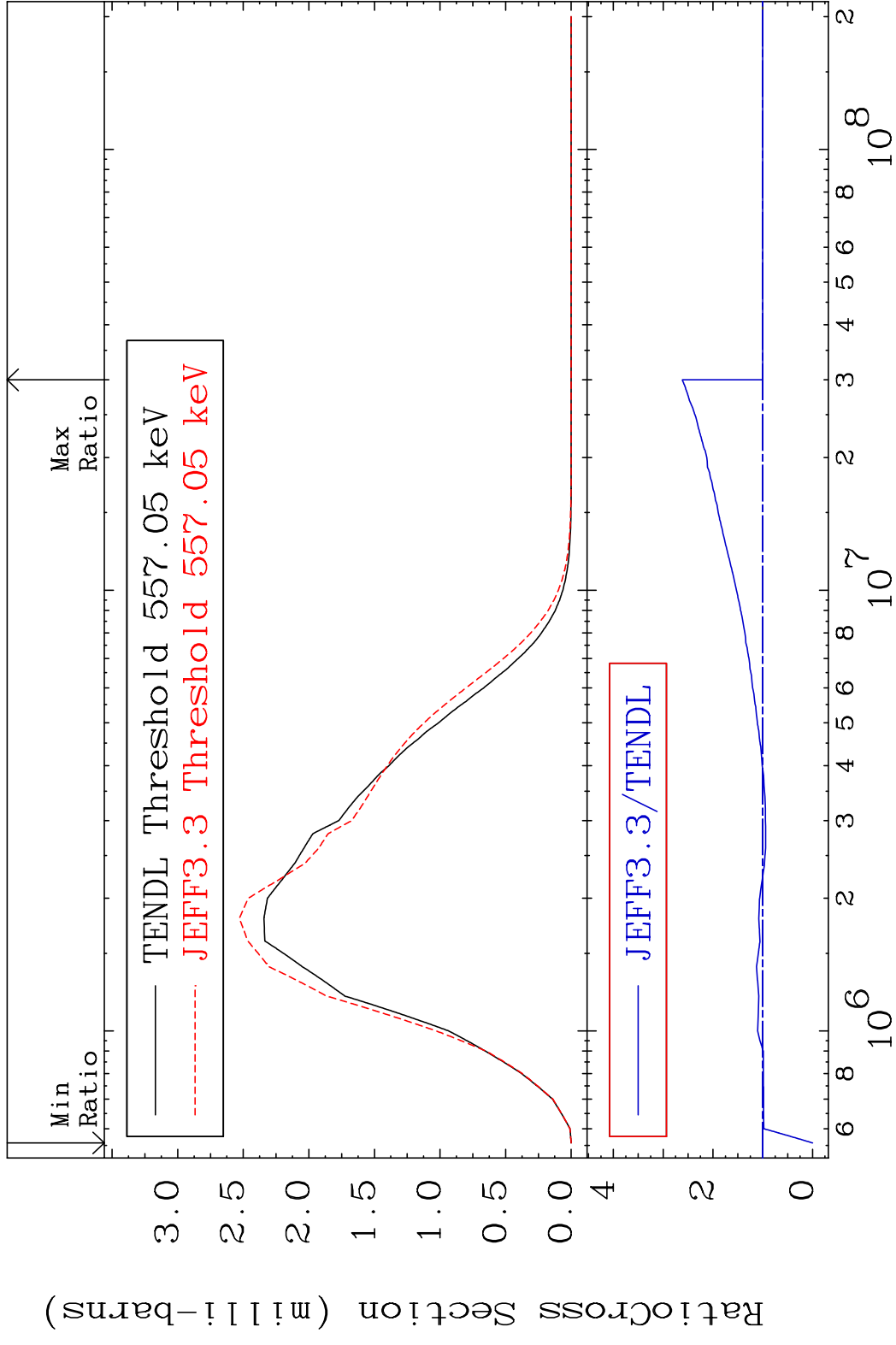
Incident Energy (eV)

25-Mn-52

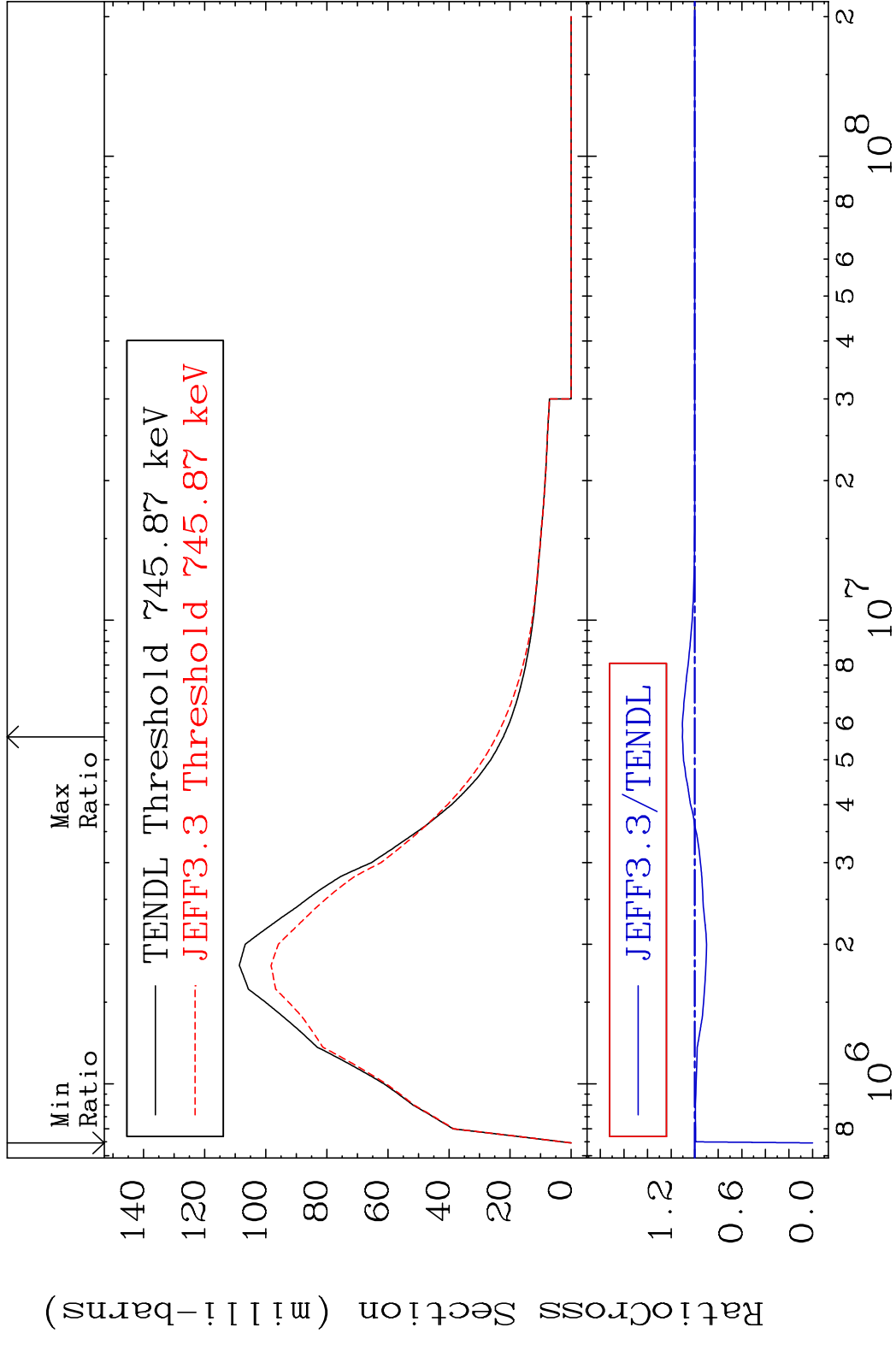
MAT 2516 MT= 51 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 0.516 %



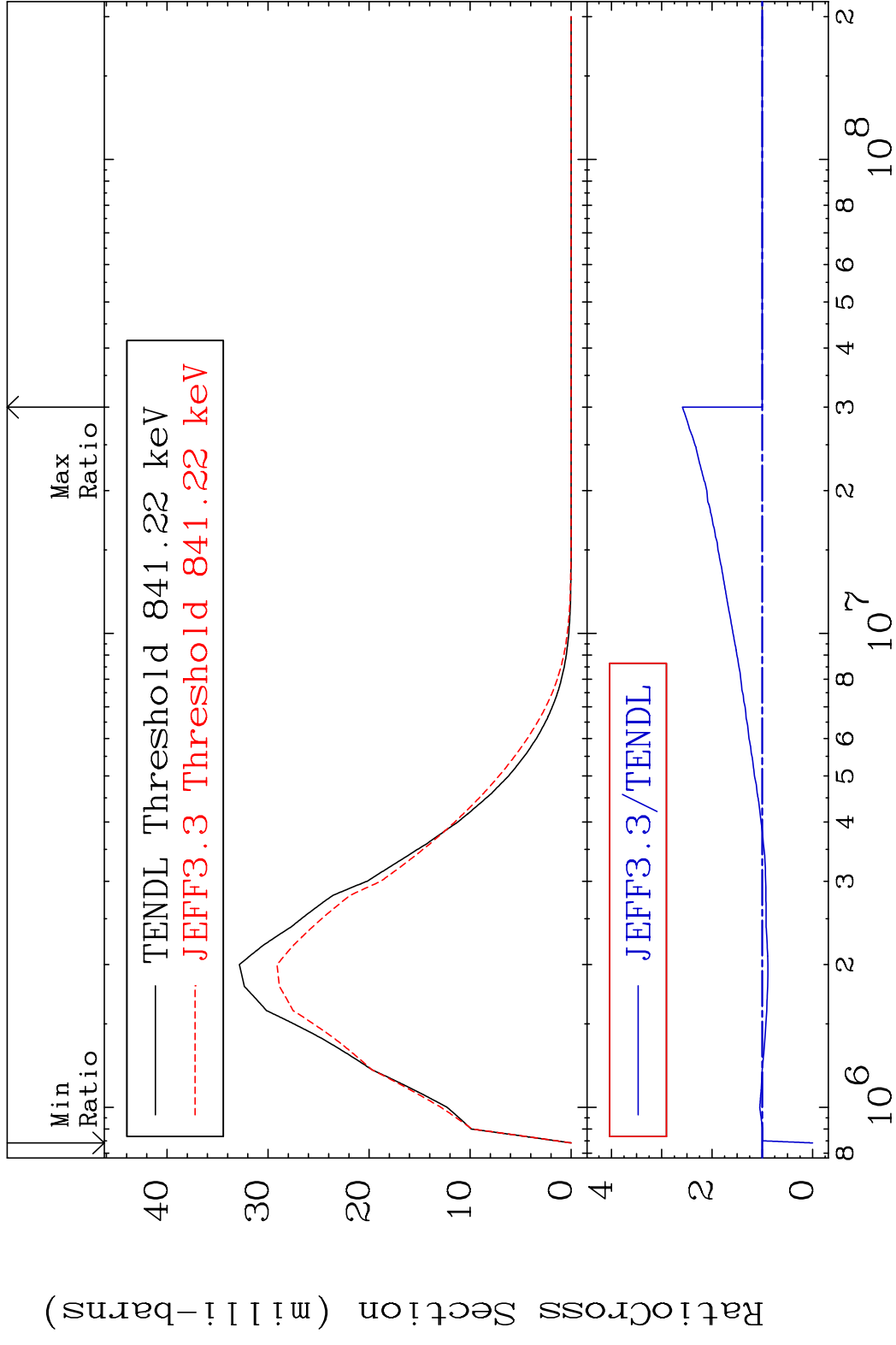
MAT 2516 MT= 52 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 161.4 %



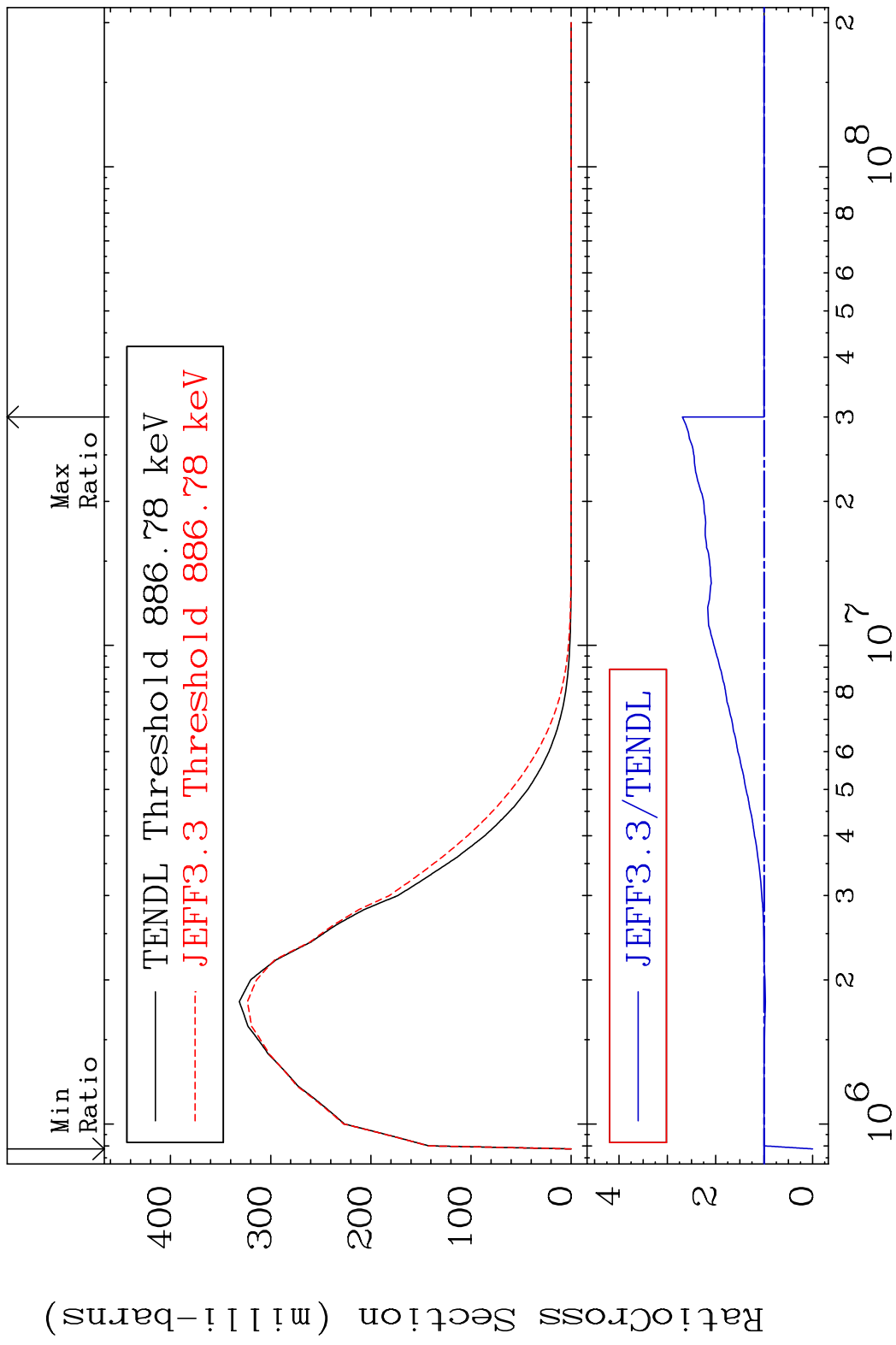
MAT 2516 MT= 53 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 10.46 %



MAT 2516 MT= 54 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 159.0 %

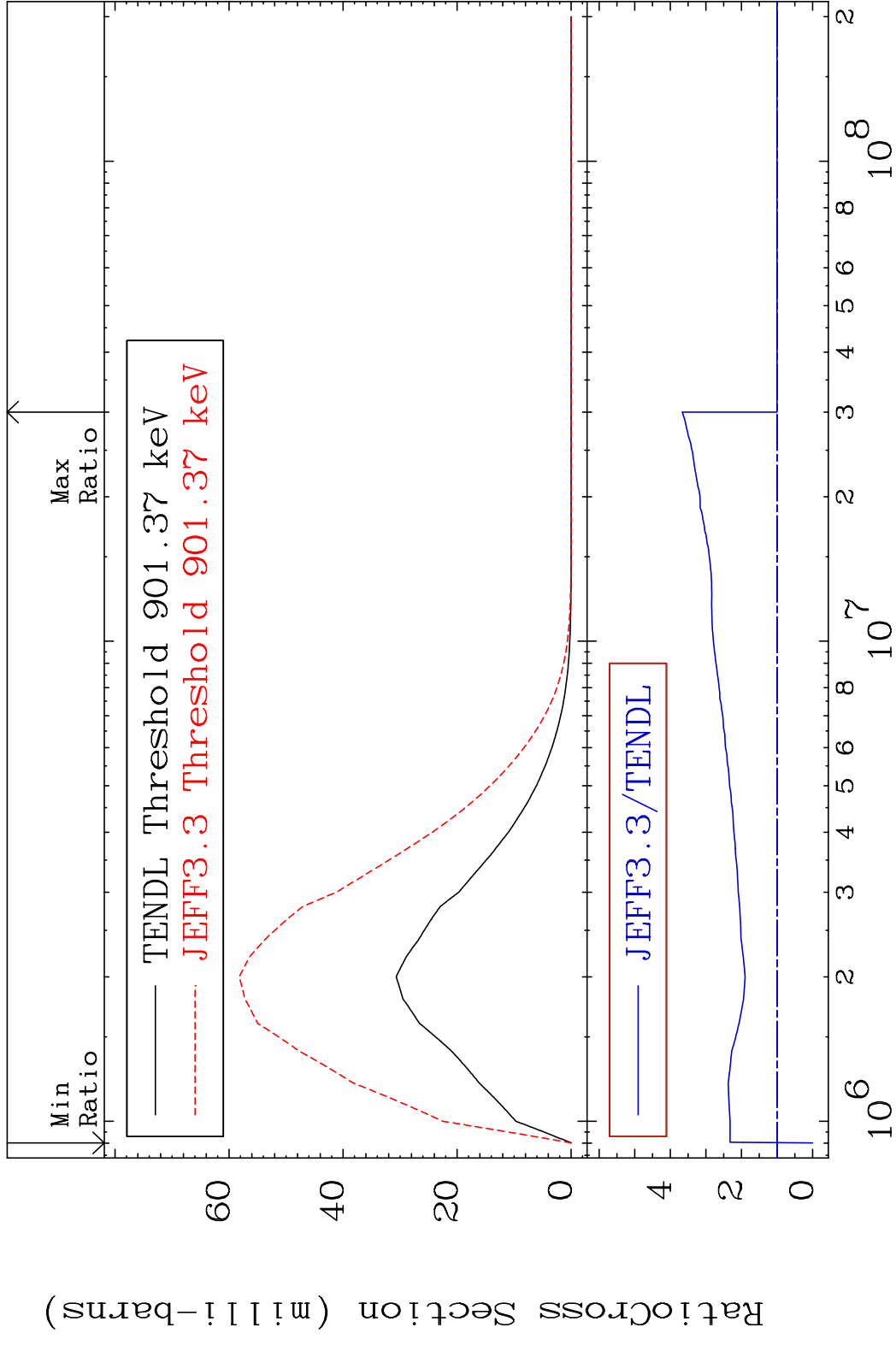


MAT 2516 MT= 55 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 168.9 %



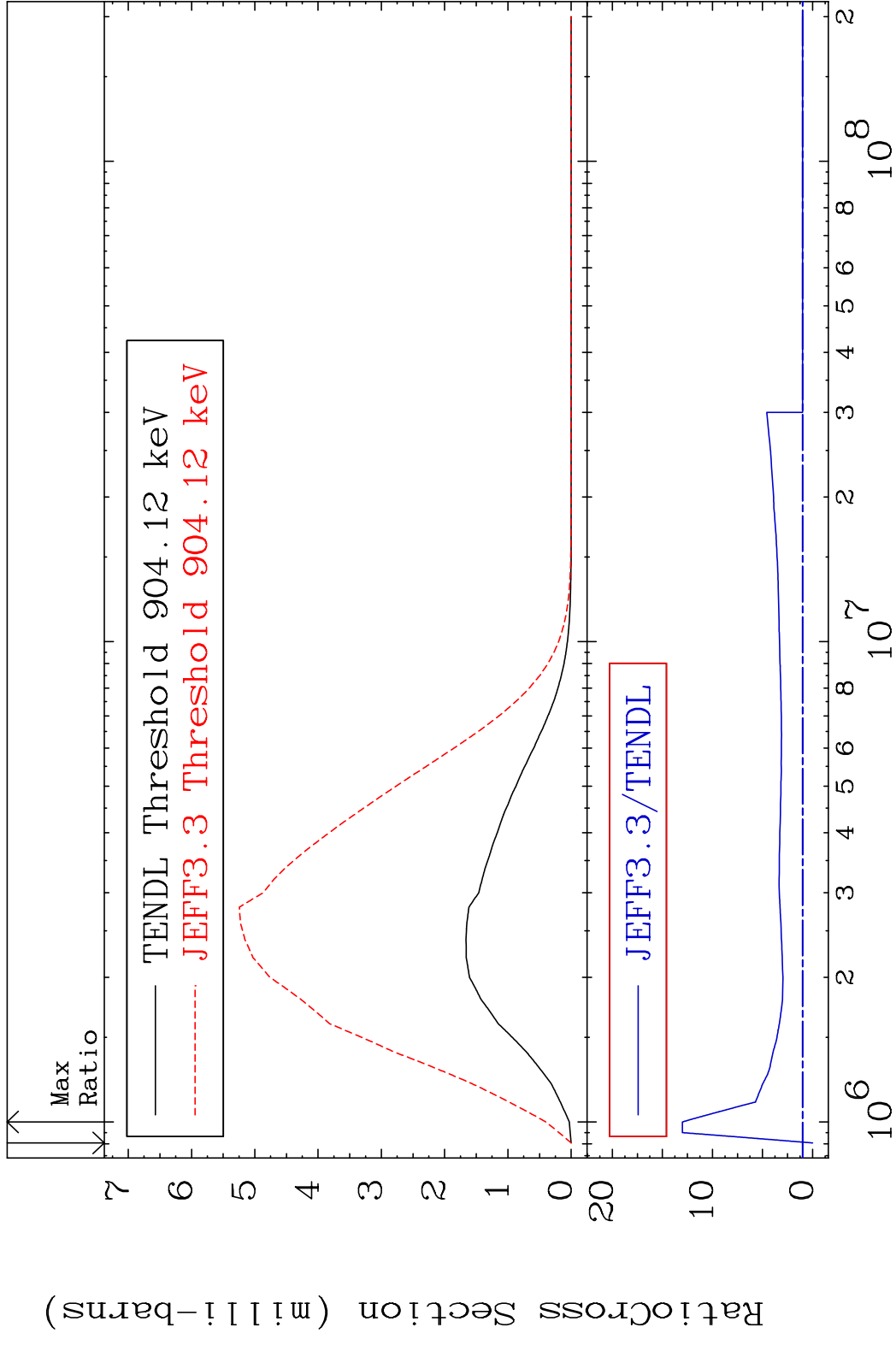
21 Incident Energy (eV) 25-Mn-52

MAT 2516 MT= 56 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 266.0 %



22

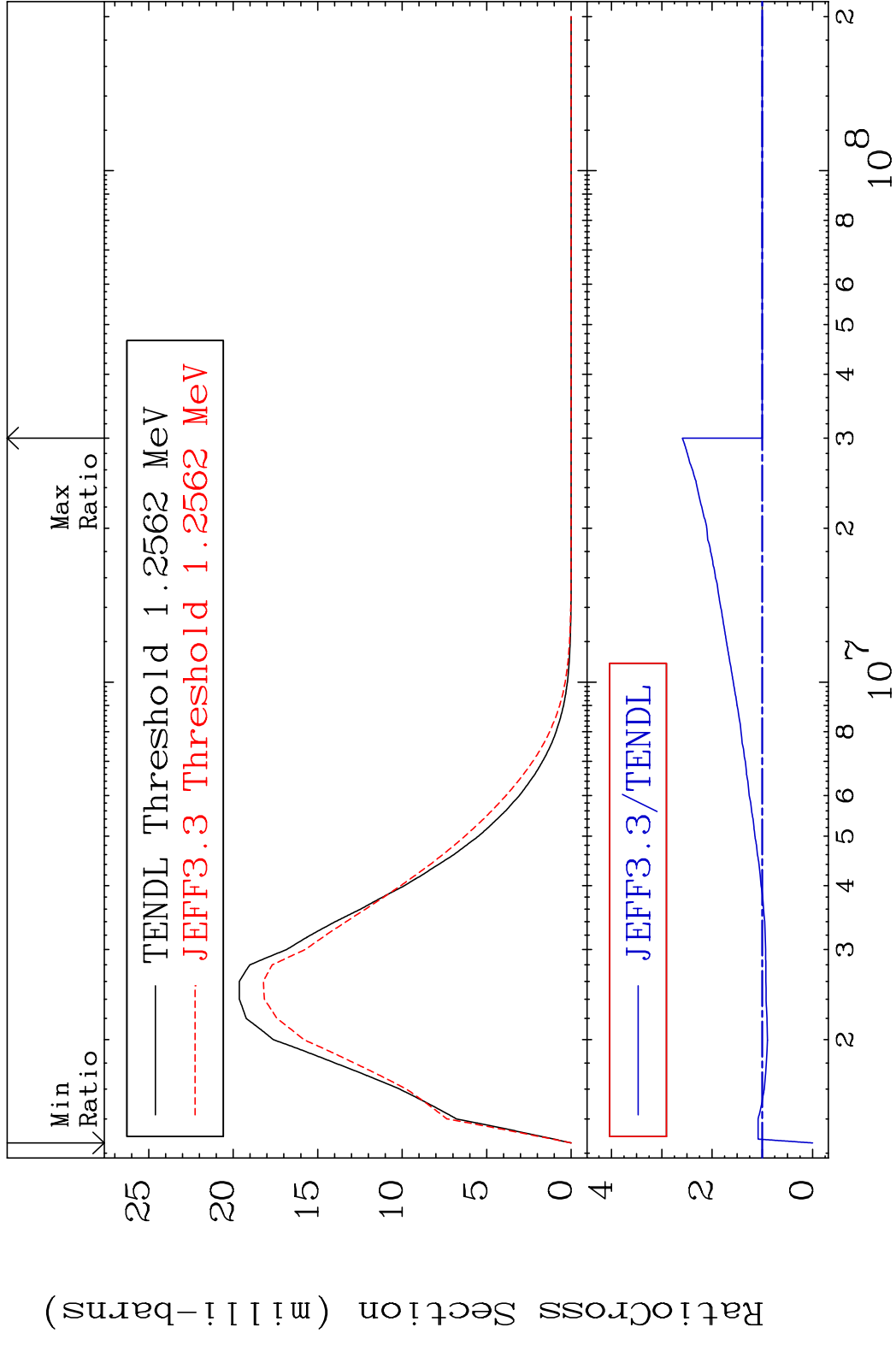
MAT 2516 MT= 57 (n,n') Level 25-Mn-52  
 Cross Section -100.0 To 1201. %



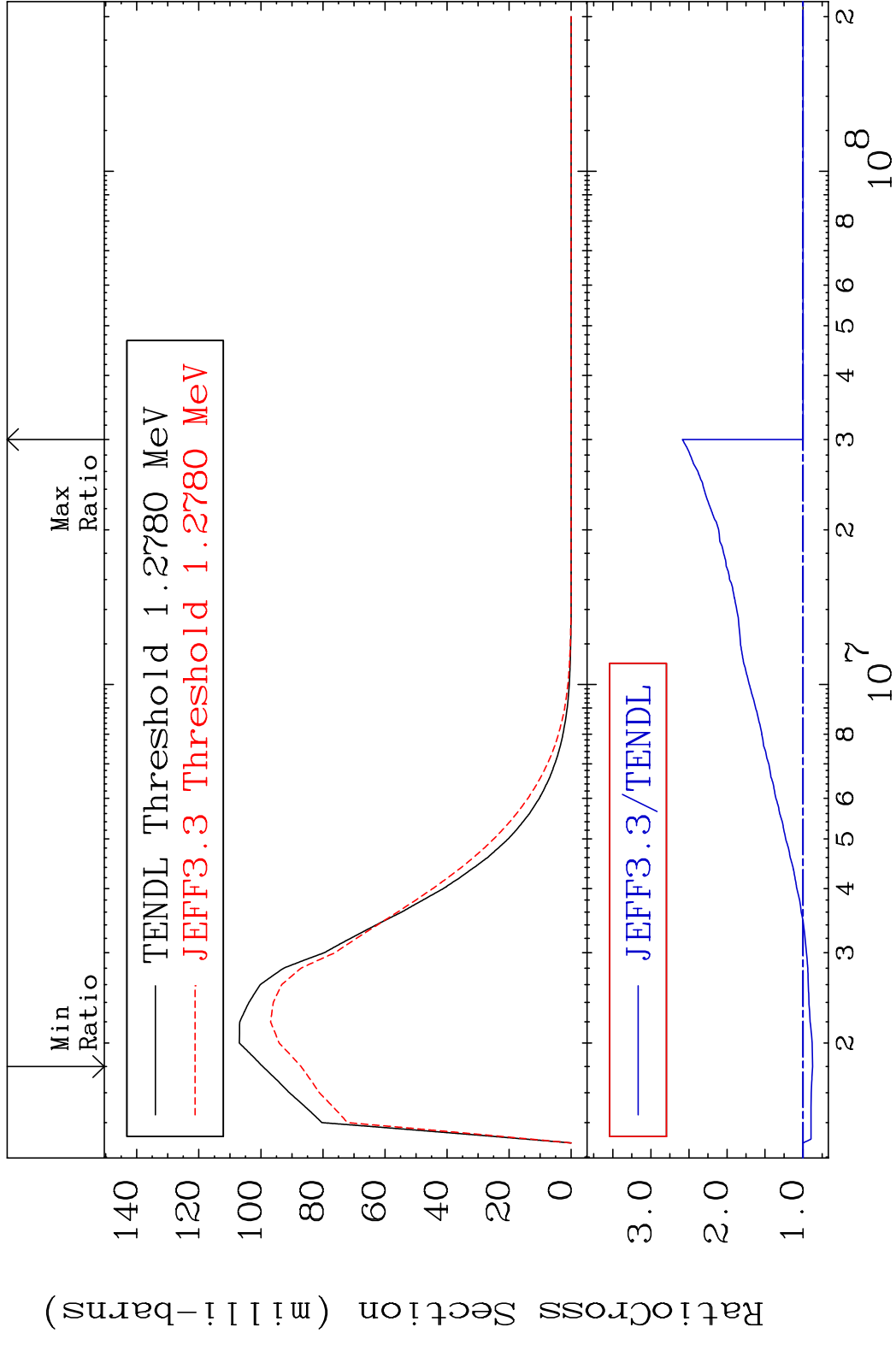
23



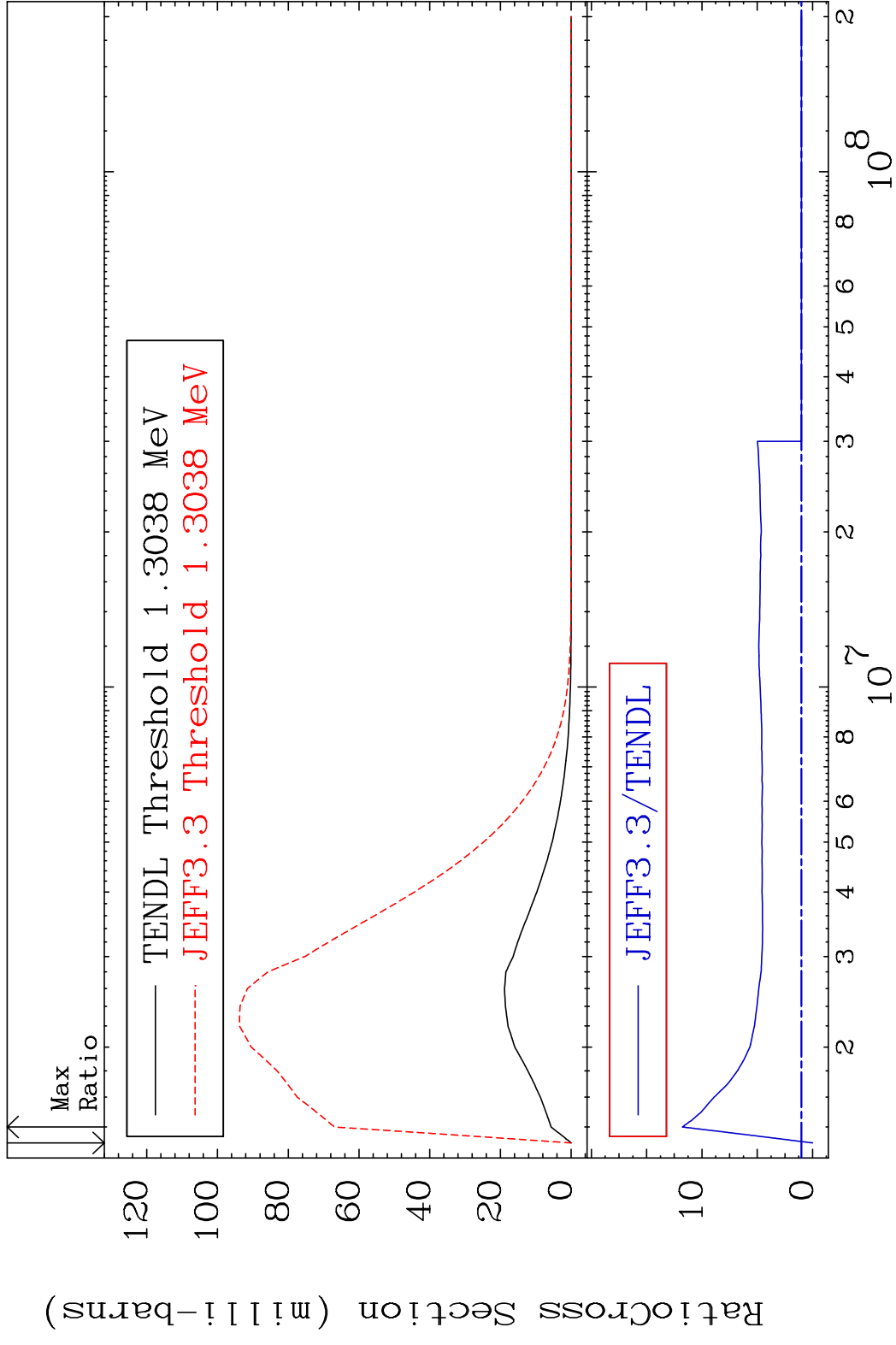
MAT 2516 MT= 58 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 159.1 %



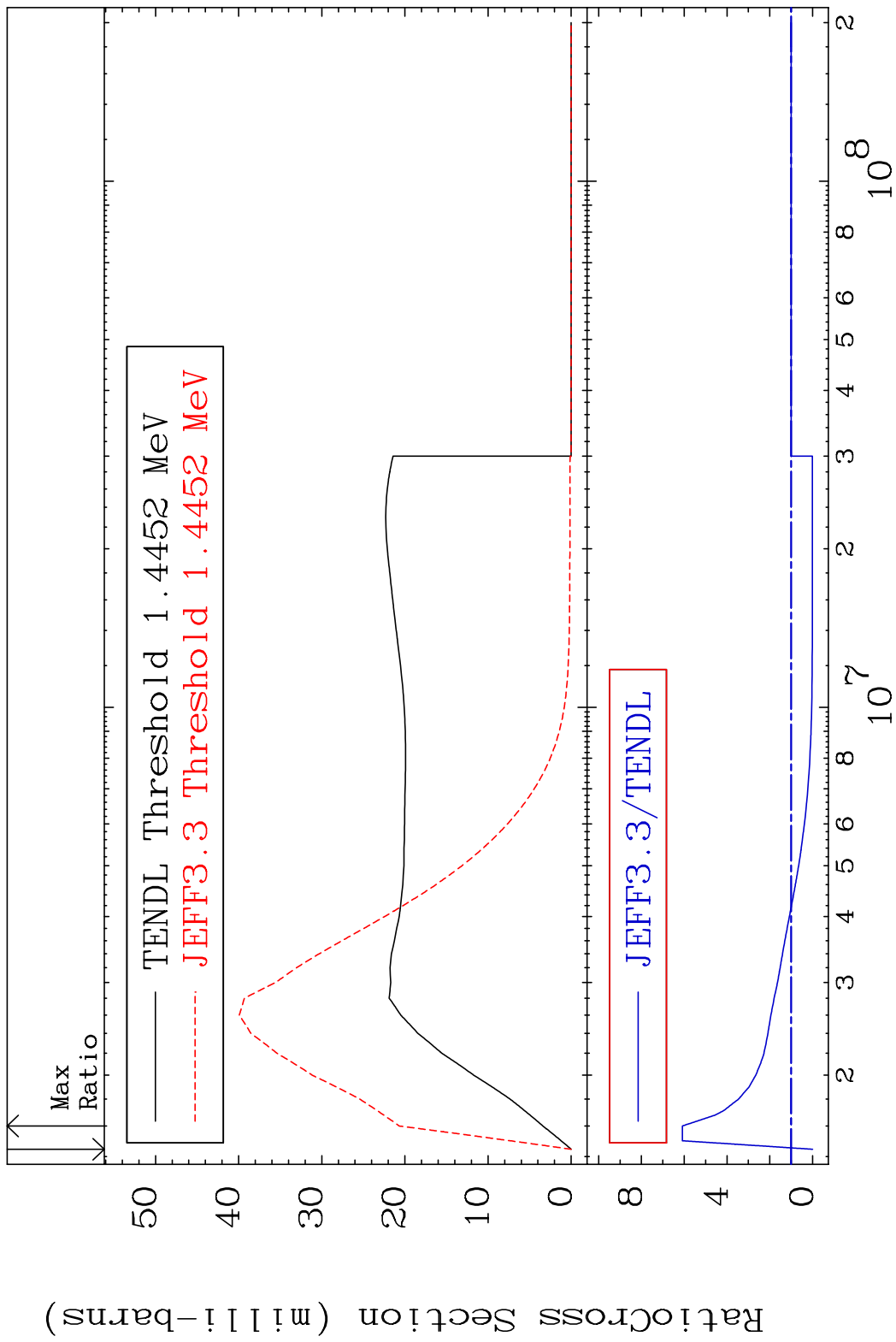
MAT 2516 MT= 59 (n, n') Level 25-Mn-52  
 Cross Section -12.41 To 158.6 %



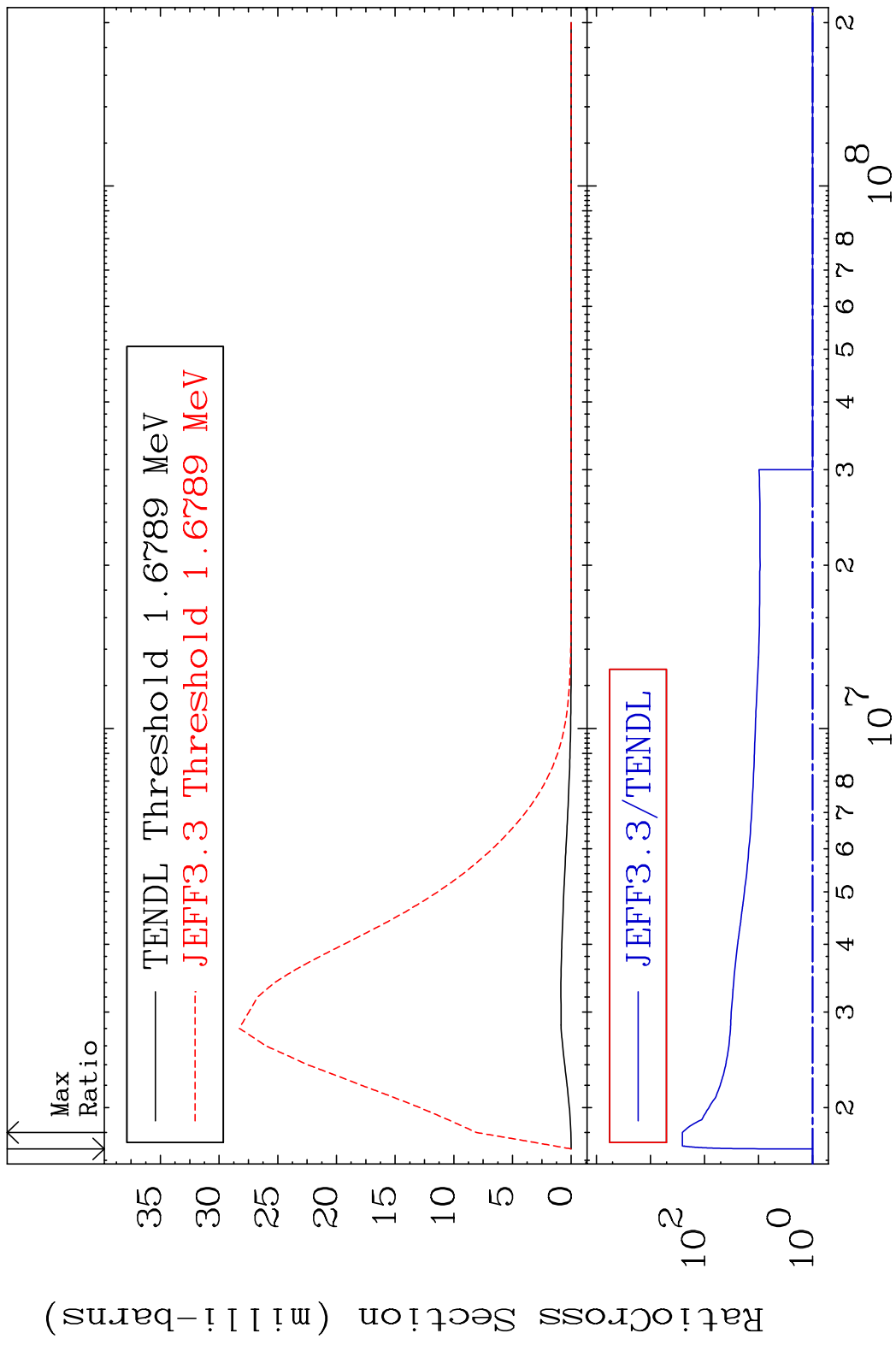
MAT 2516 MT= 60 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 1077. %



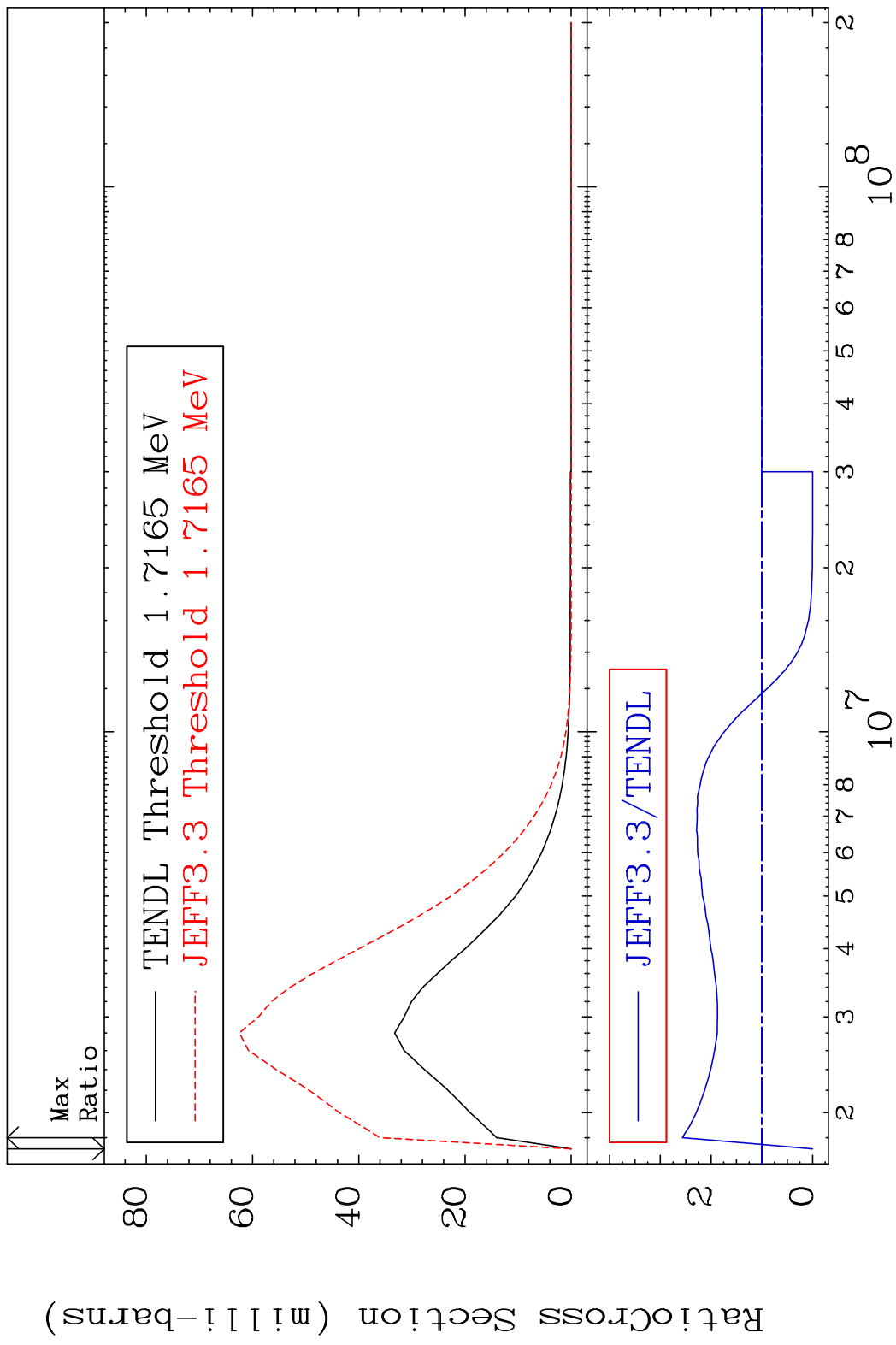
MAT 2516      MT= 61 (n, n') Level      25-Mn-52  
 Cross Section    -100.0 To 508.8 %



MAT 2516 MT= 62 (n, n') Level 25-Mn-52  
 Cross Section 0.000 To 9999. %

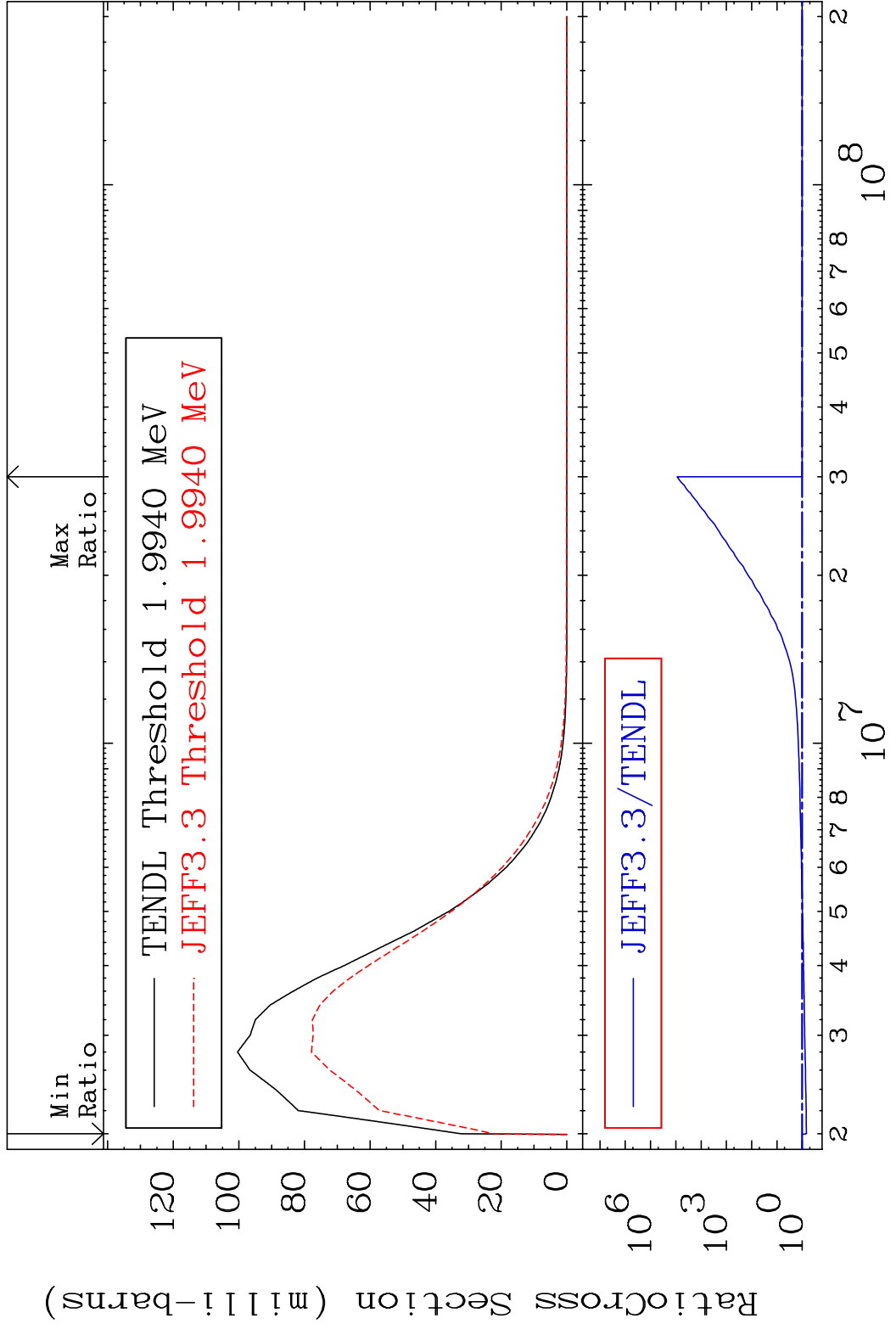


MAT 2516    MT= 63 (n, n') Level    25-Mn-52  
 Cross Section    -100.0 To 156.6 %



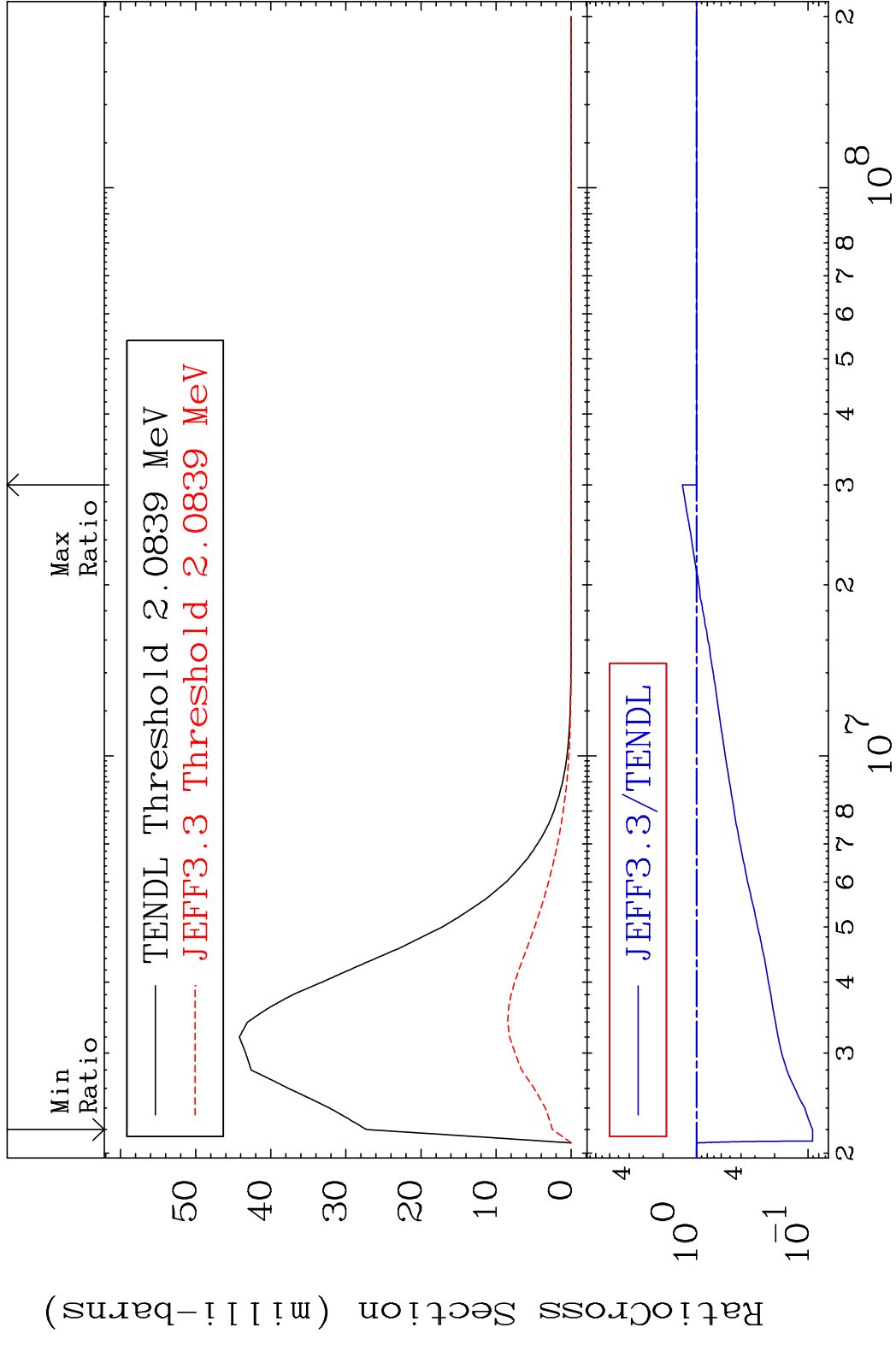
29    Incident Energy (eV)    25-Mn-52

MAT 2516 MT= 64 (n, n') Level 25-Mn-52  
 Cross Section -31.47 To 9999. %



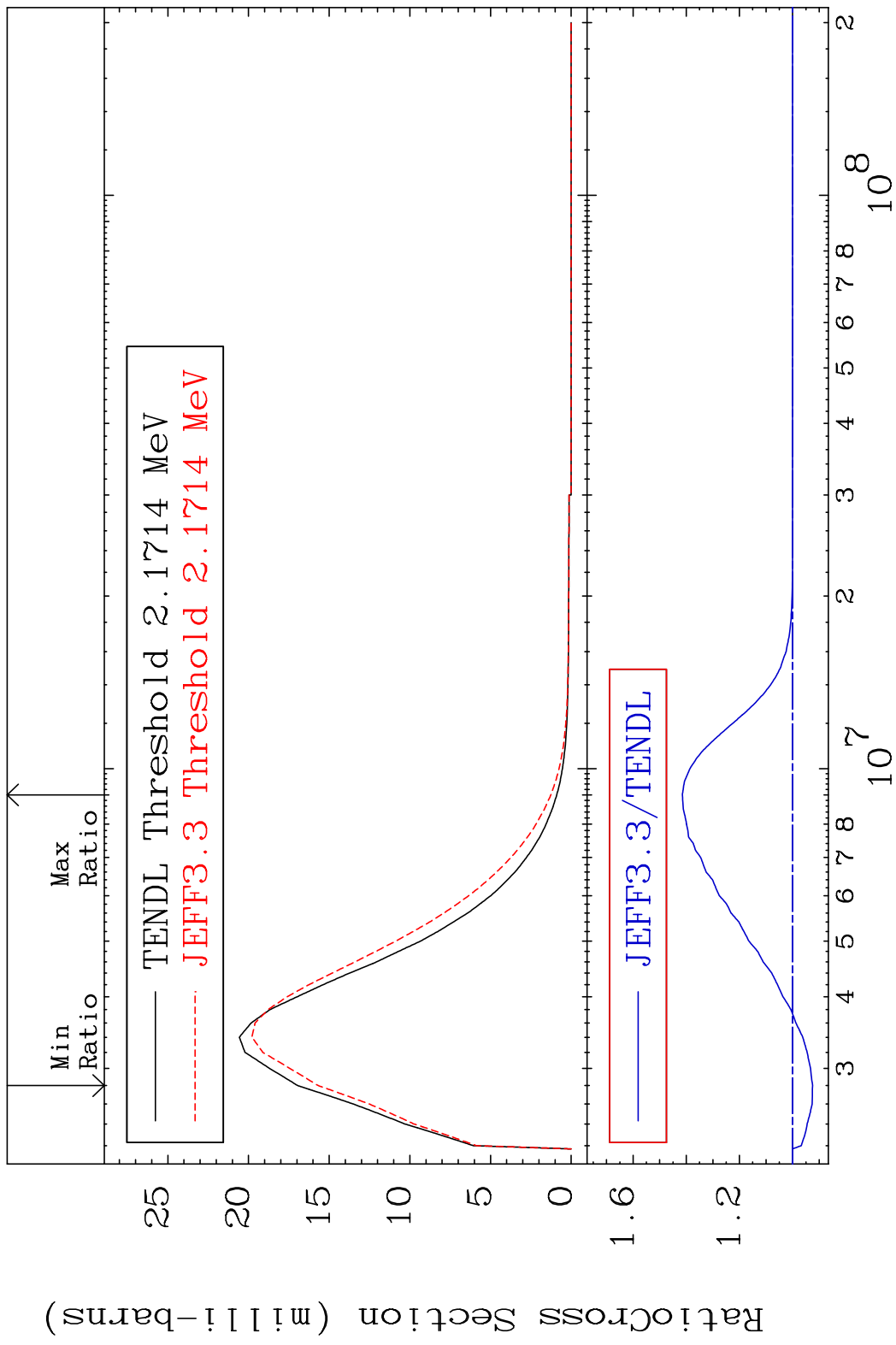
30 Incident Energy (eV) 25-Mn-52

MAT 2516 MT= 65 (n, n') Level 25-Mn-52  
 Cross Section -90.89 To 33.88 %

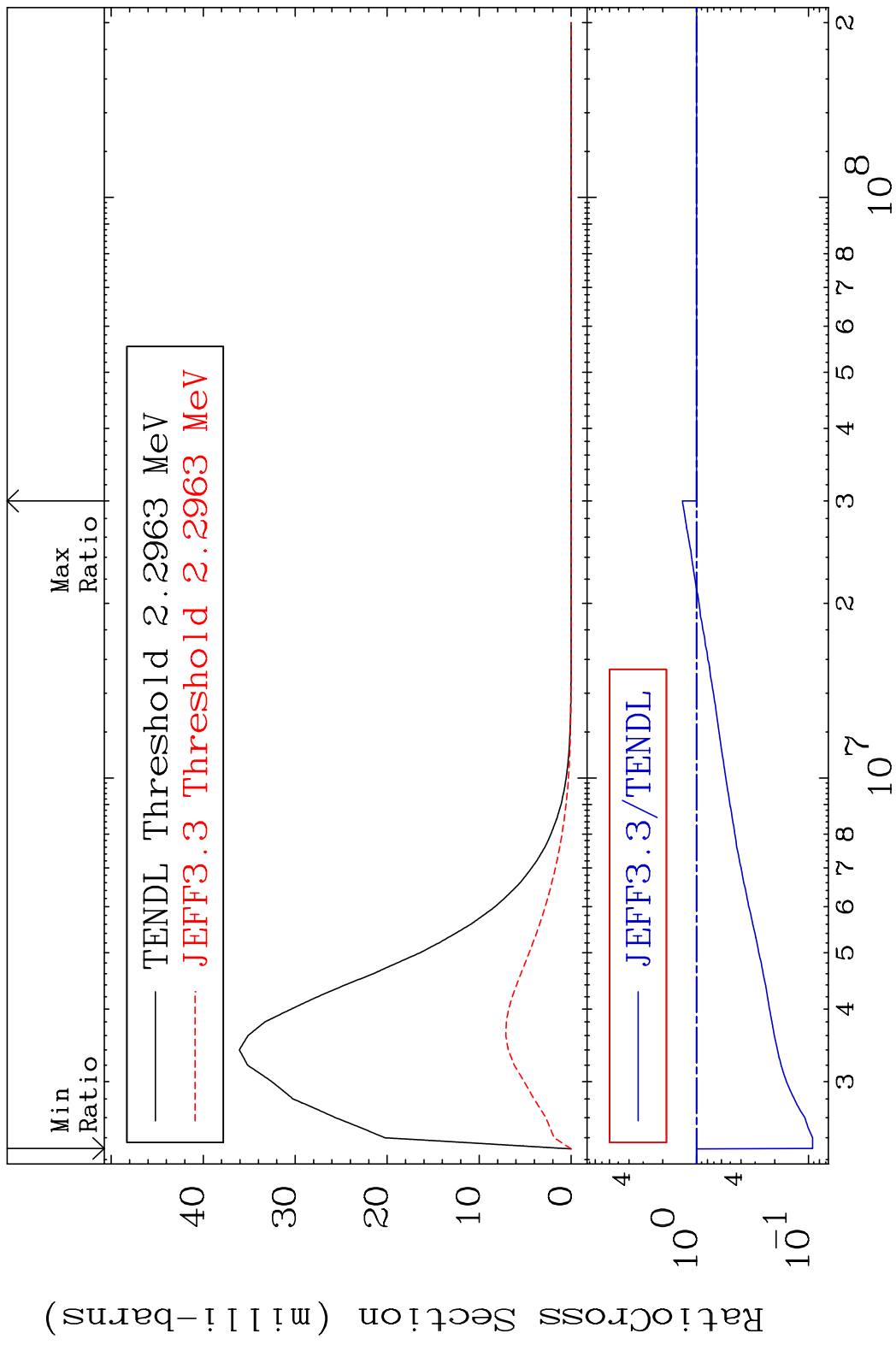




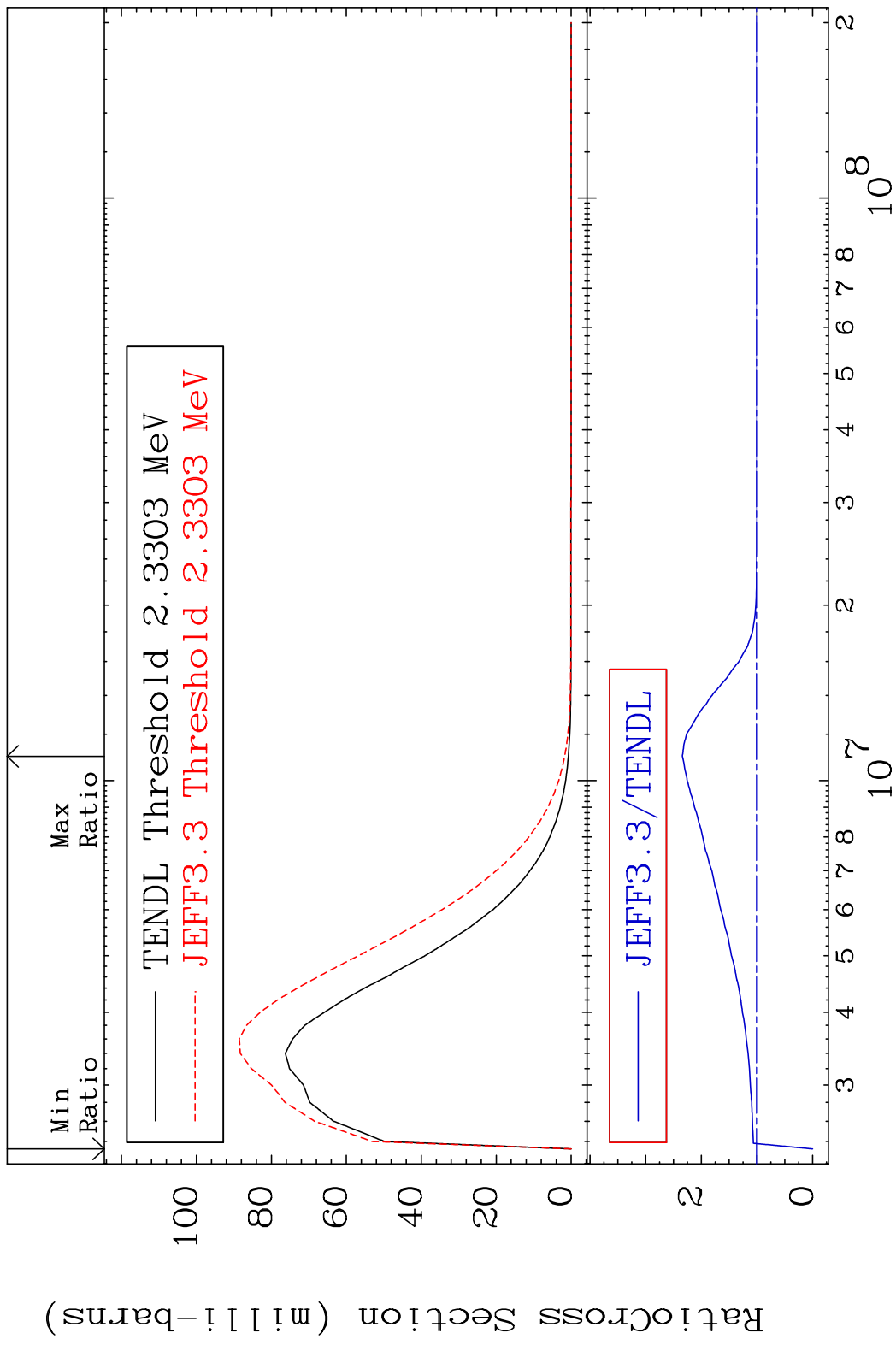
MAT 2516 MT= 66 (n, n') Level 25-Mn-52  
 Cross Section -7.498 To 41.48 %



MAT 2516 MT= 67 (n, n') Level 25-Mn-52  
 Cross Section -90.80 To 33.80 %

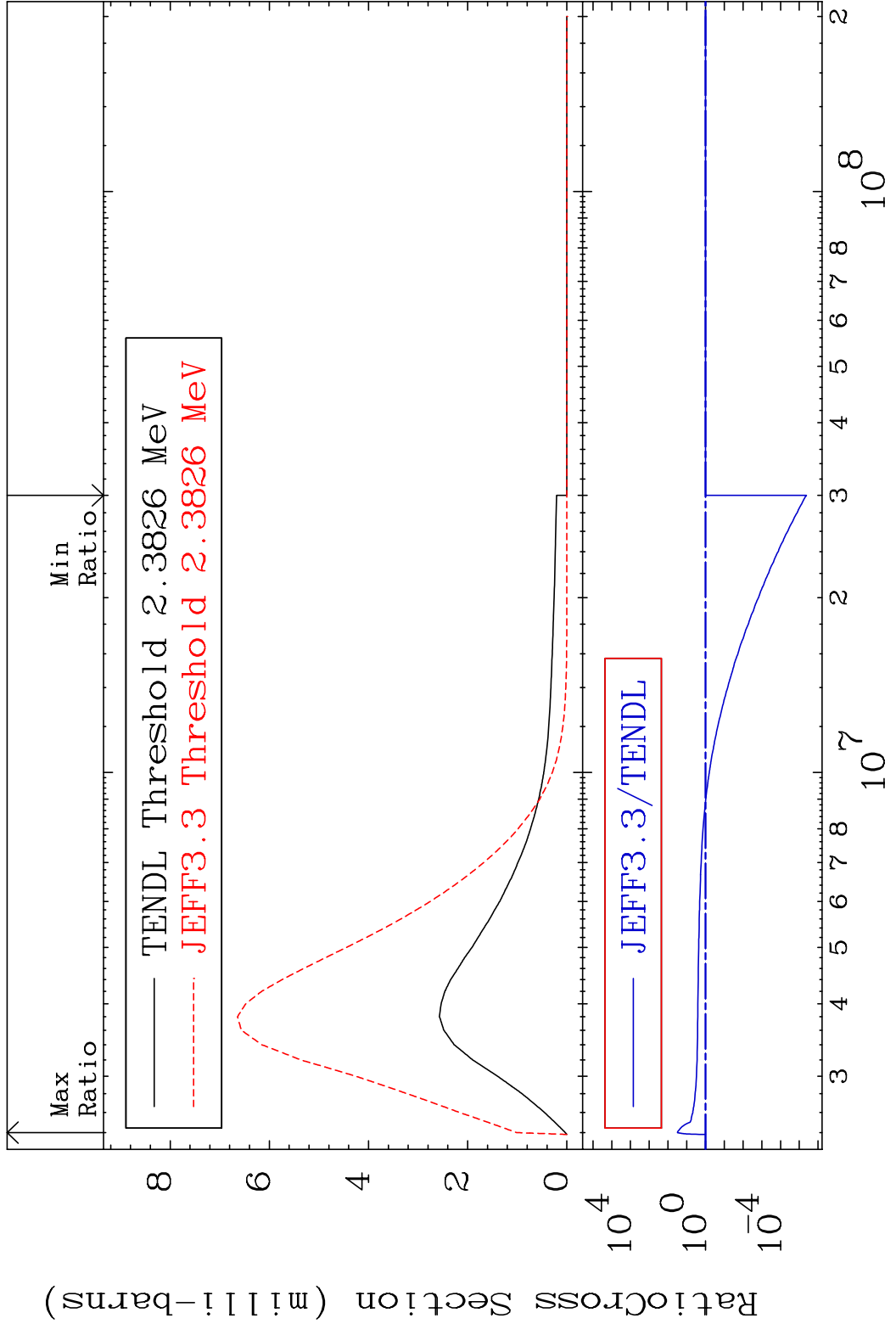


MAT 2516 MT= 68 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 134.0 %



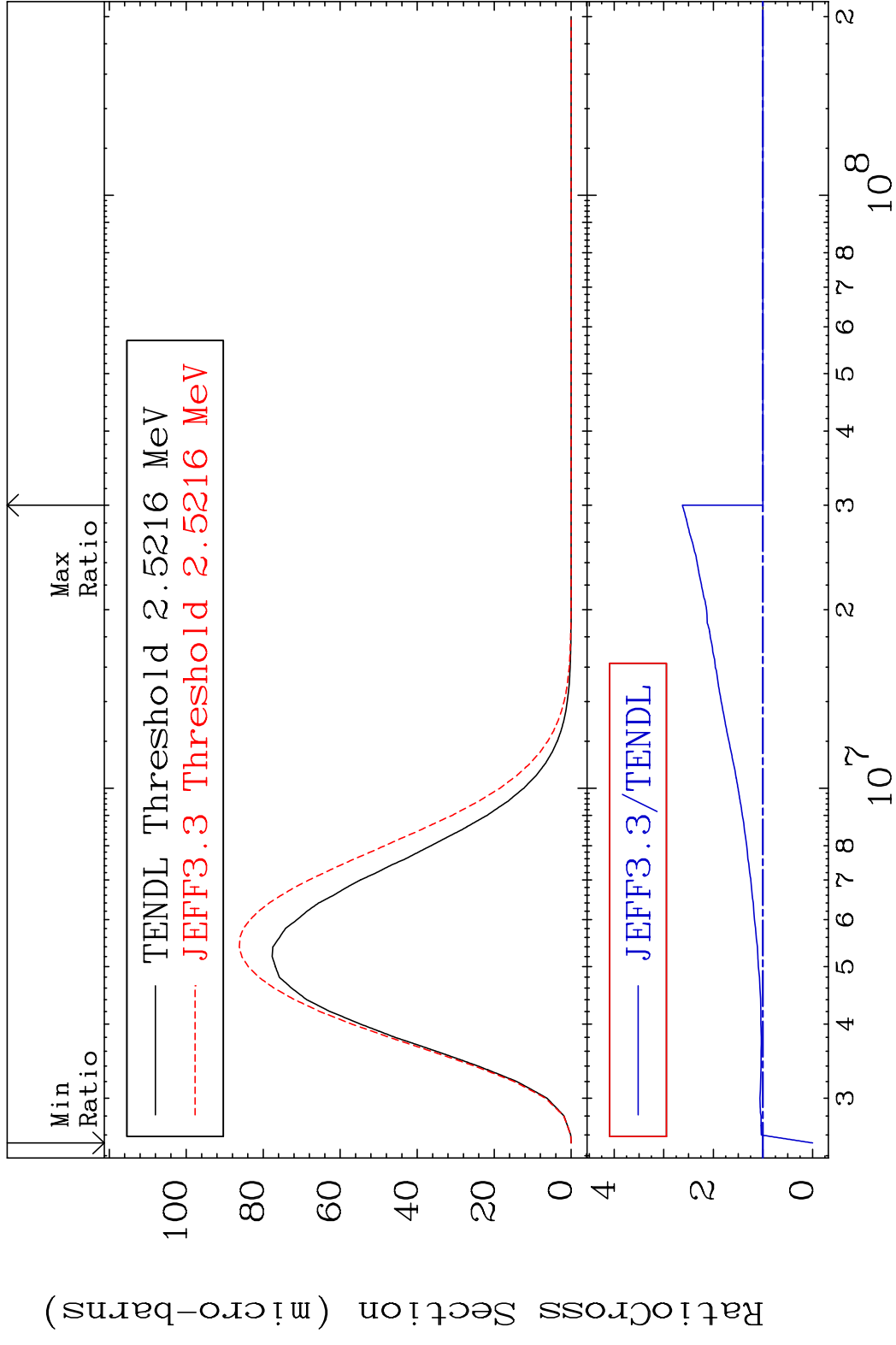
34 25-Mn-52

MAT 2516 MT= 69 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 3134. %

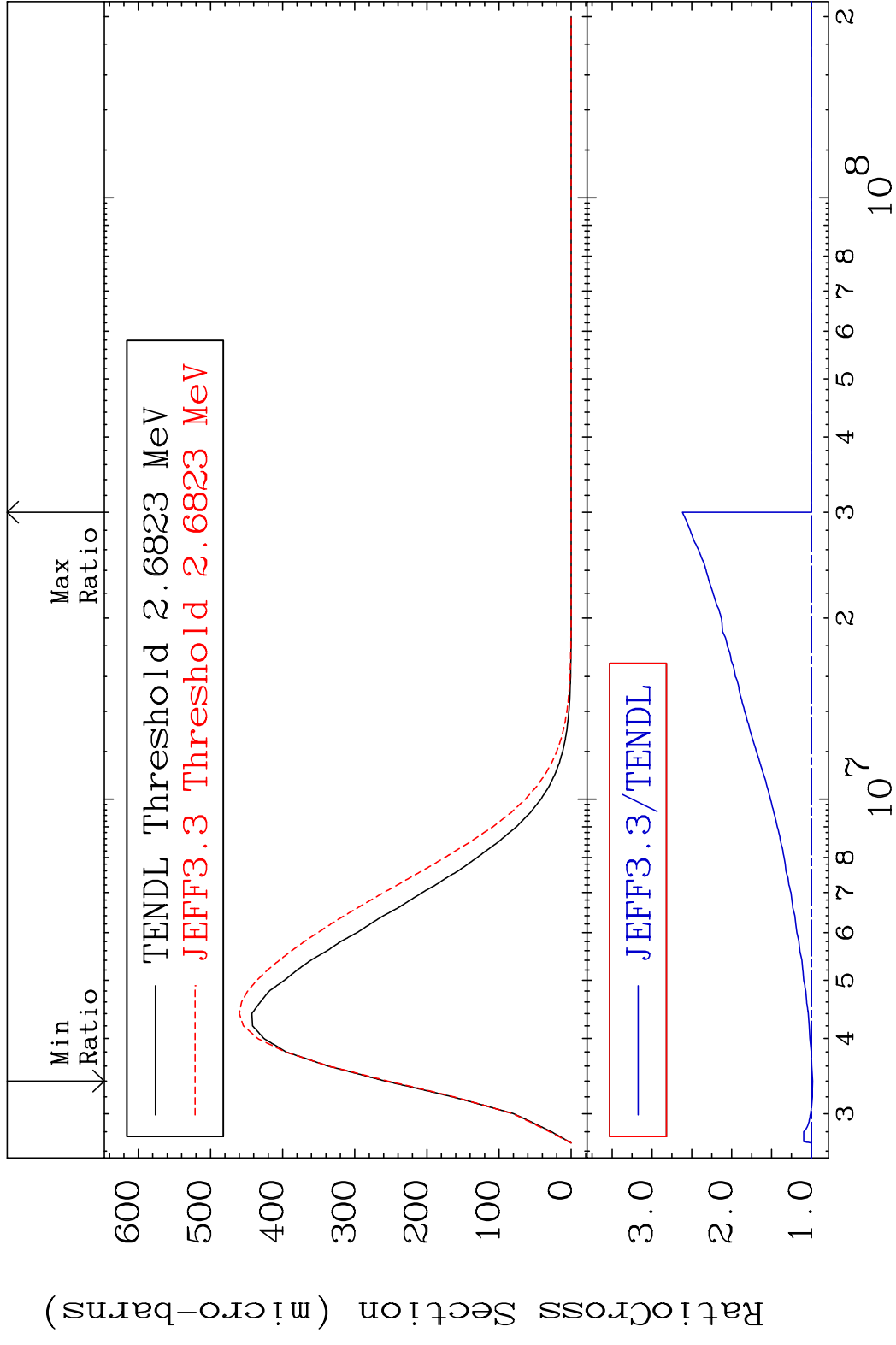


35 Incident Energy (eV) 25-Mn-52

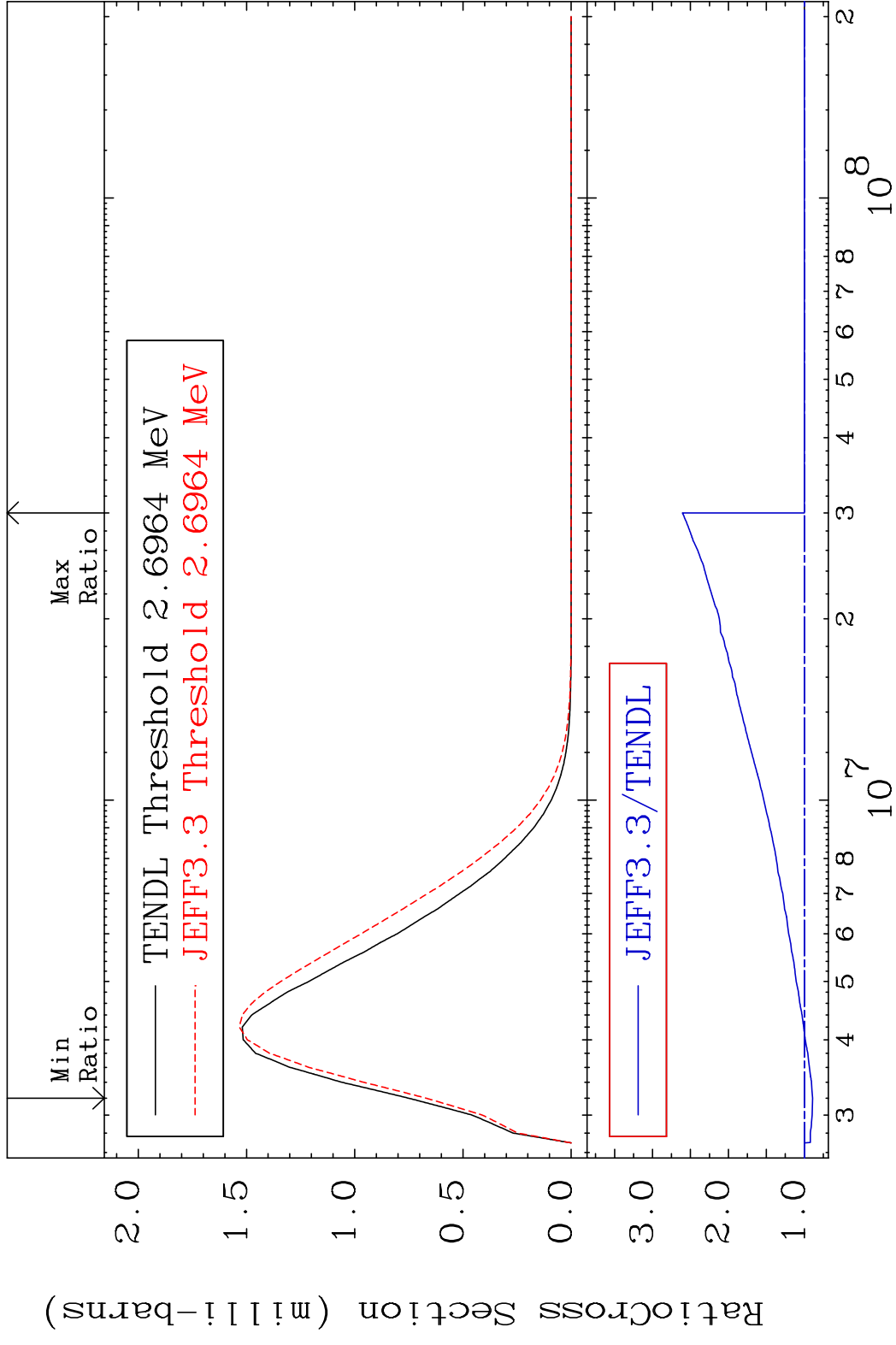
MAT 2516 MT= 70 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 162.5 %



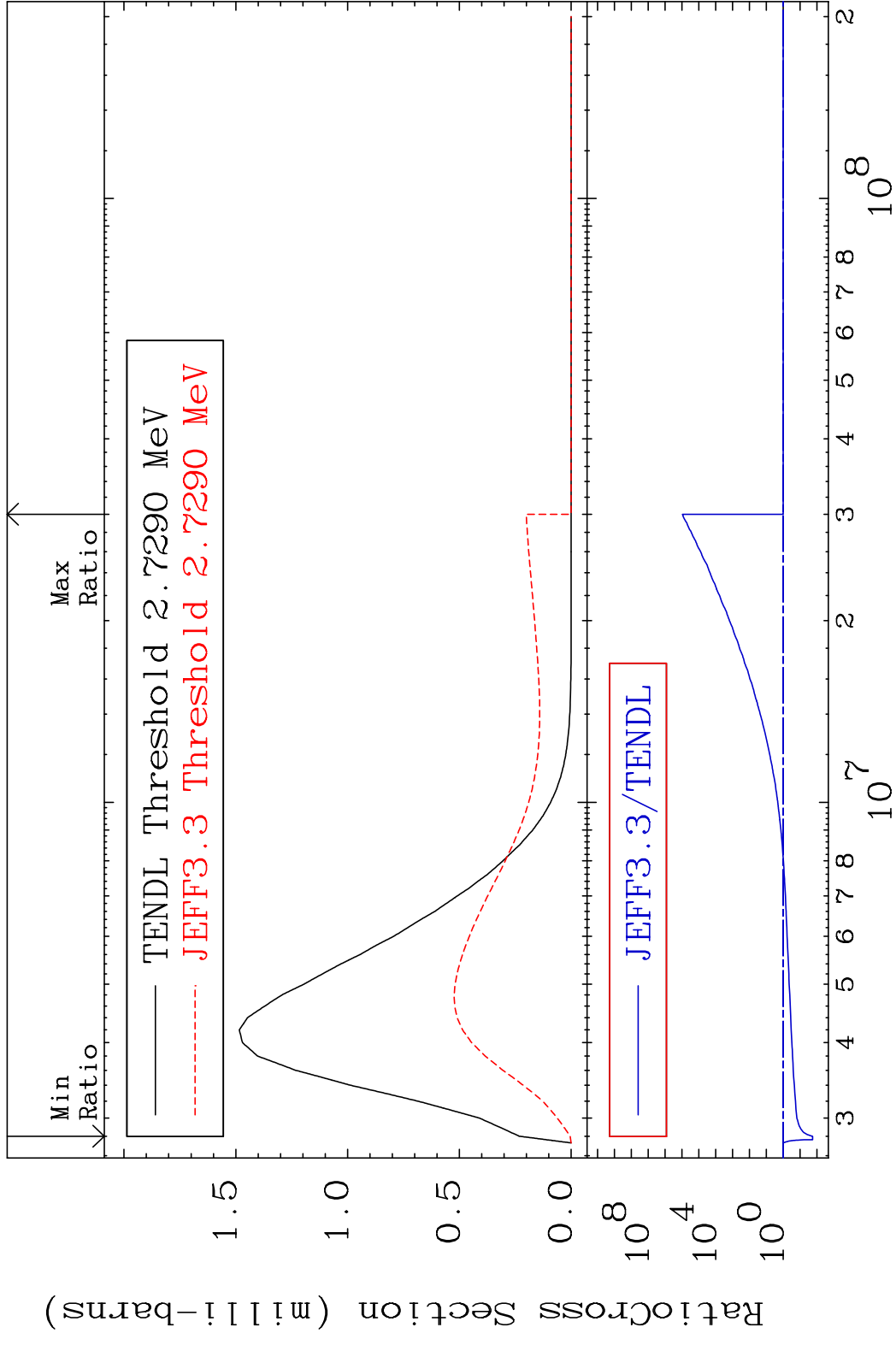
MAT 2516 MT= 71 (n, n') Level 25-Mn-52  
 Cross Section -1.403 To 161.9 %



MAT 2516 MT= 72 (n, n') Level 25-Mn-52  
 Cross Section -10.85 To 160.7 %

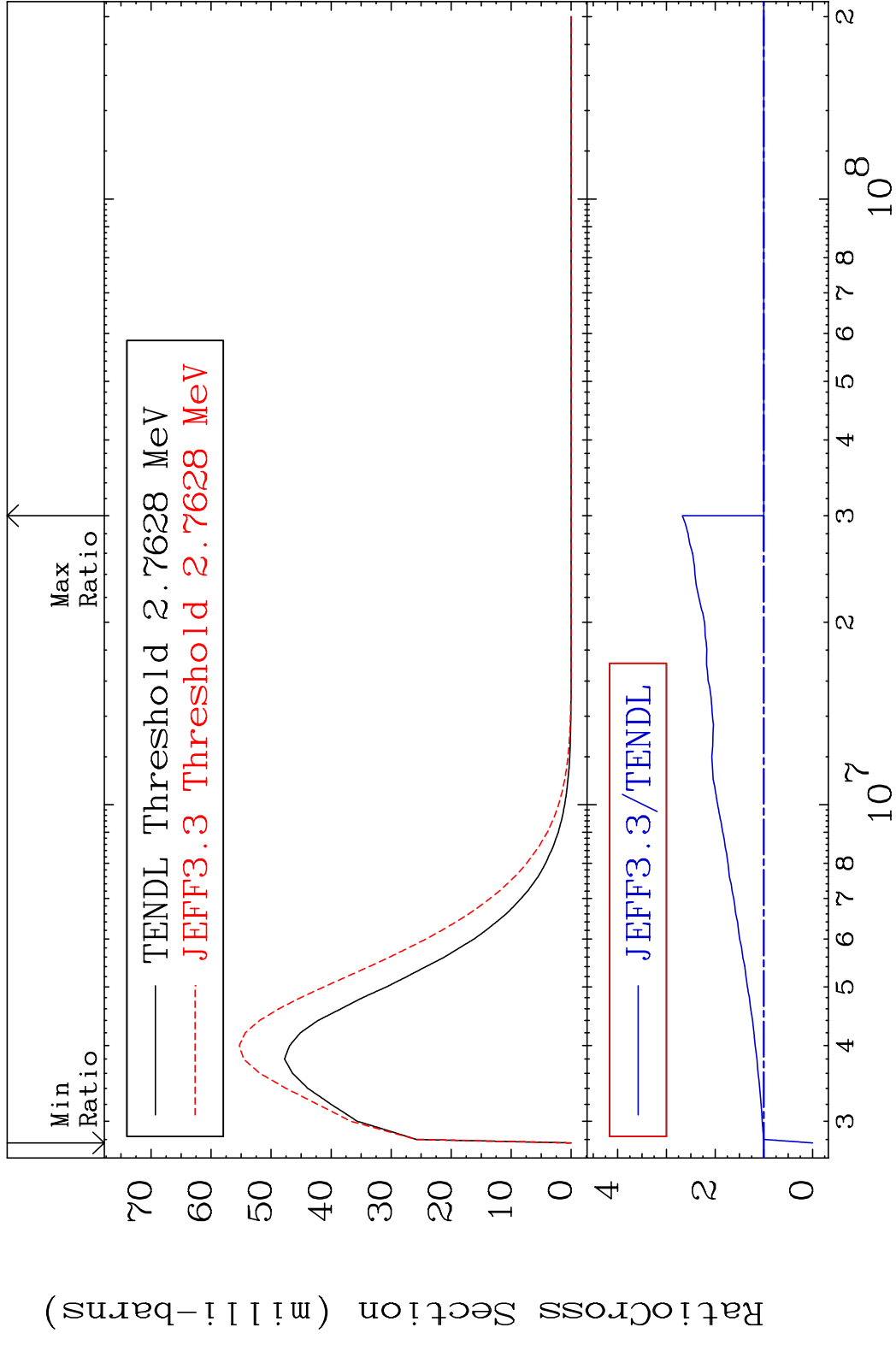


MAT 2516 MT= 73 (n, n') Level 25-Mn-52  
 Cross Section -98.20 To 9999. %



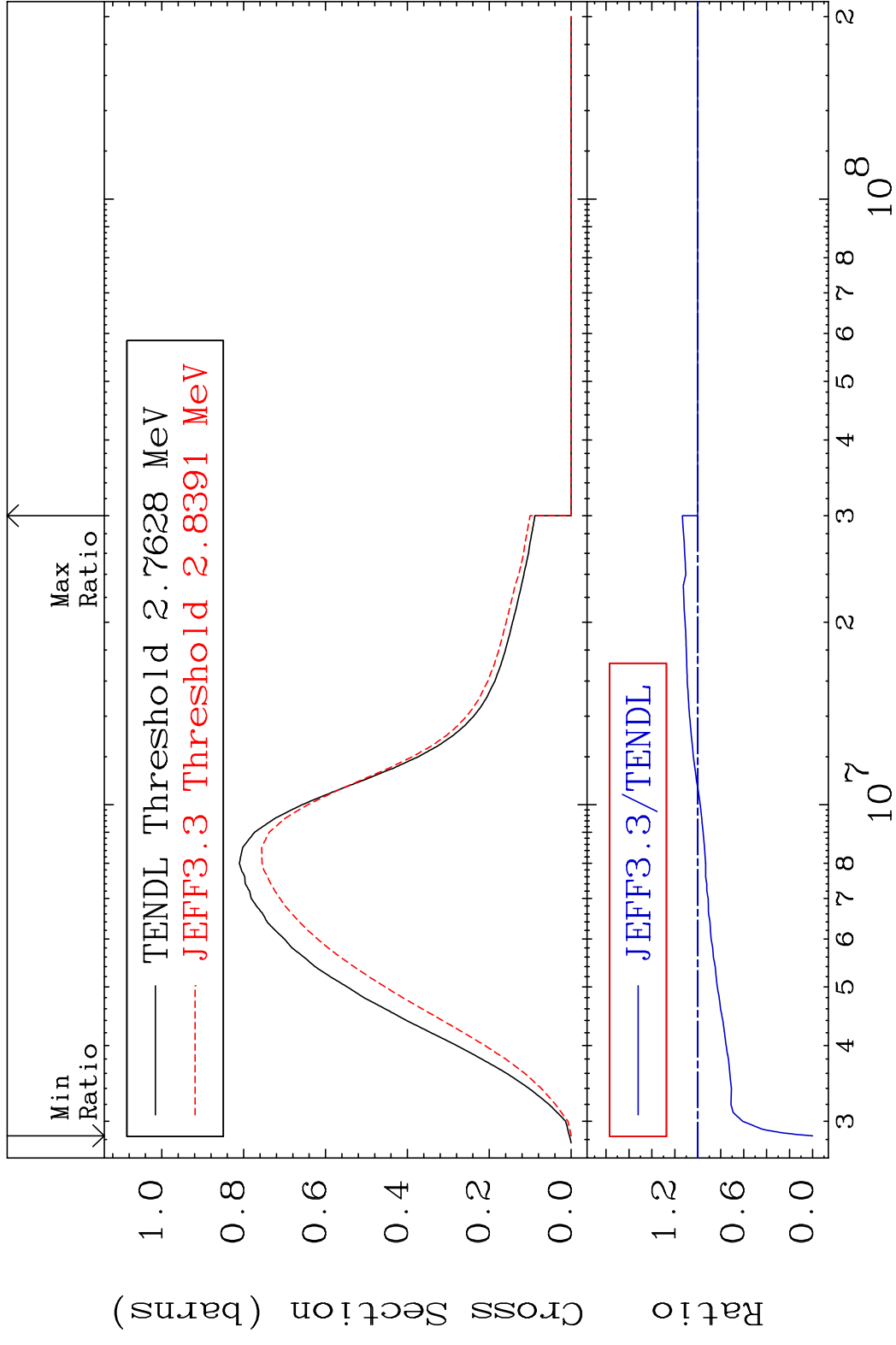


MAT 2516 MT= 74 (n, n') Level 25-Mn-52  
 Cross Section -100.0 To 167.3 %



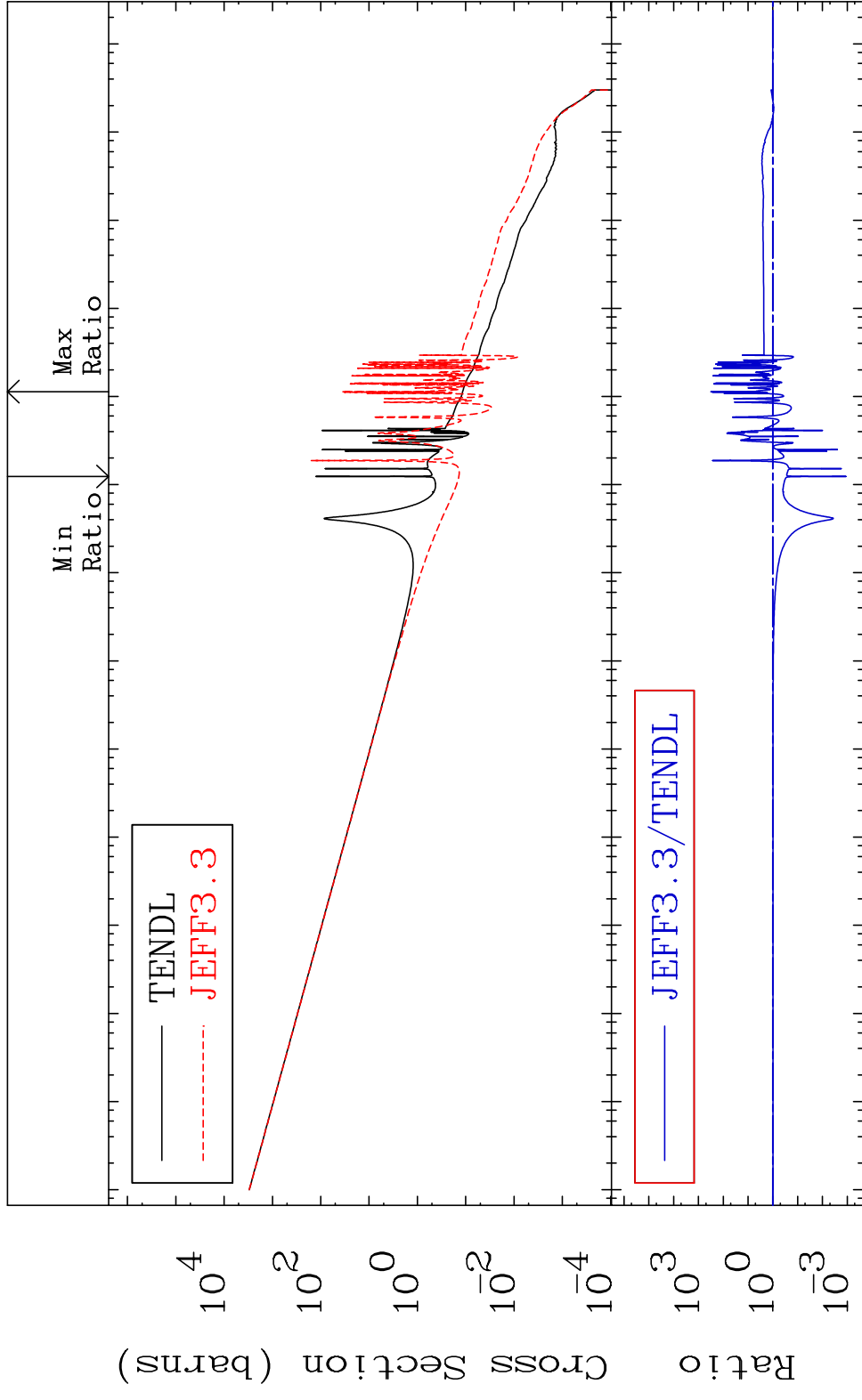
40 Incident Energy (eV) 25-Mn-52

MAT 2516 (n,n') Continuum 25-Mn-52  
 Cross Section -100.0 To 13.44 %



MAT 2516

(n,  $\gamma$ )  
Cross Section -99.89 To 9999. %  
25-Mn-52

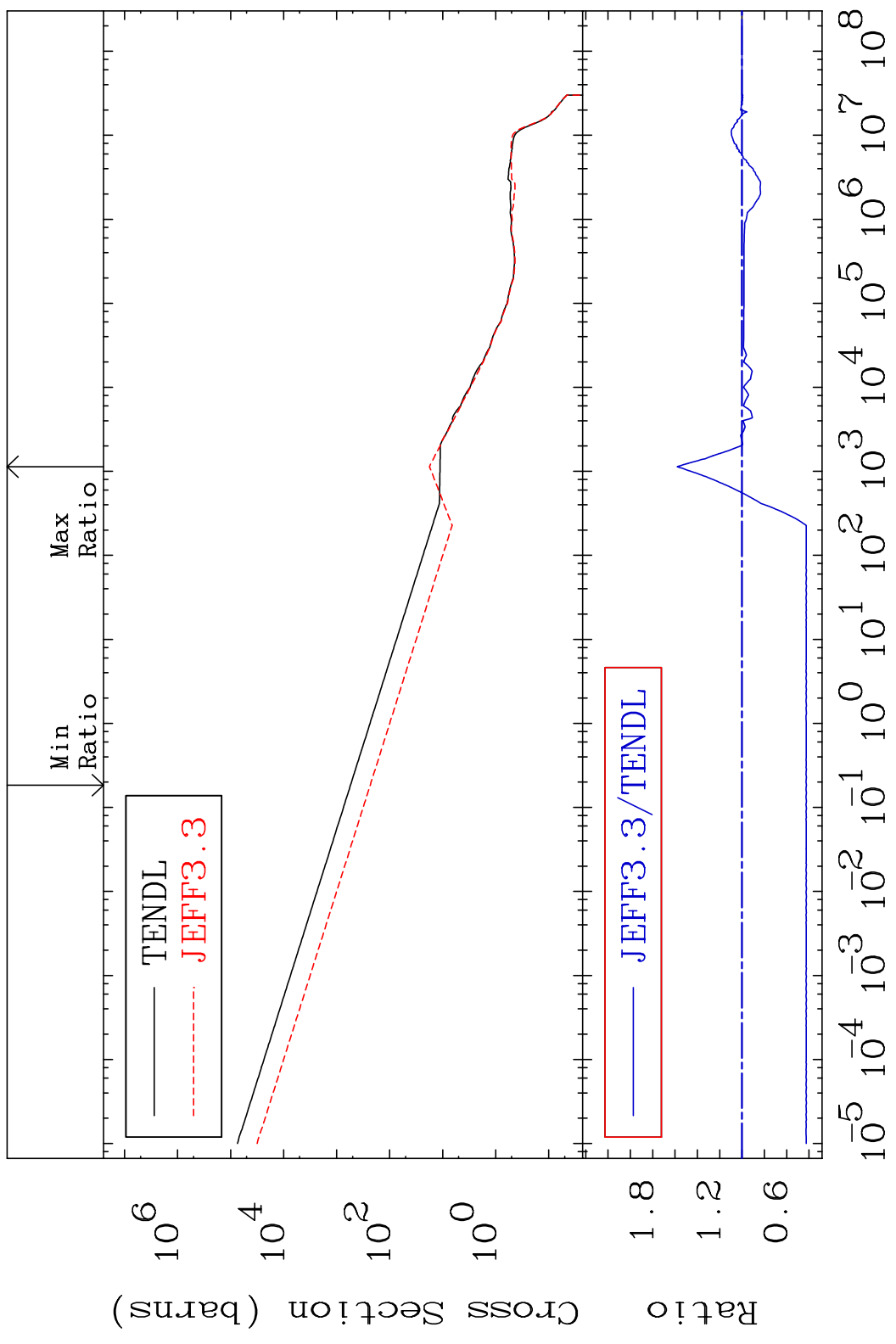


MAT 2516

(n, p)

25-Mn-52

Cross Section -57.63 To 58.09 %



43

Incident Energy (eV)

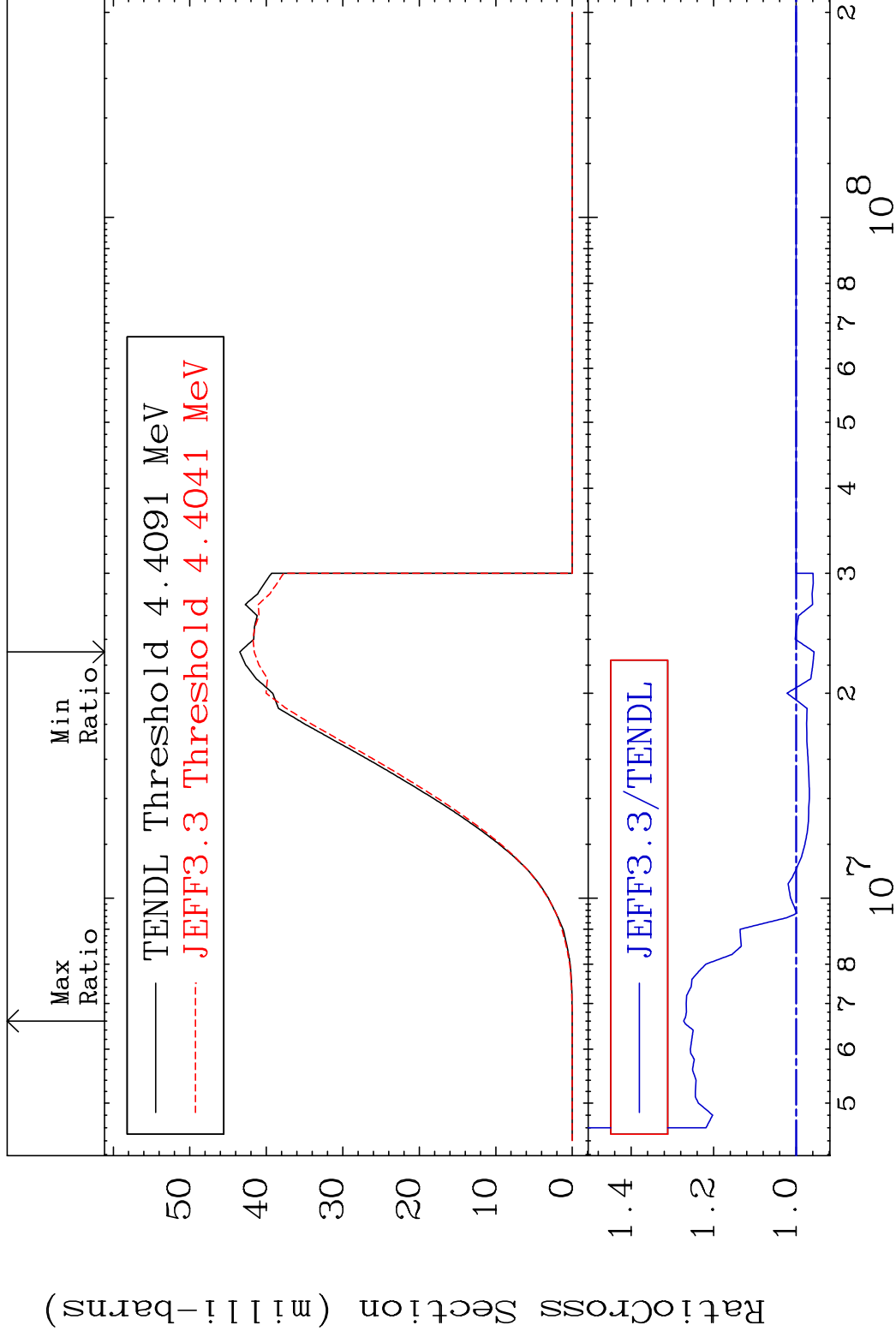
25-Mn-52

MAT 2516

(n, d)

25-Mn-52

Cross Section -4.342 To 27.28 %



44

Incident Energy (eV)

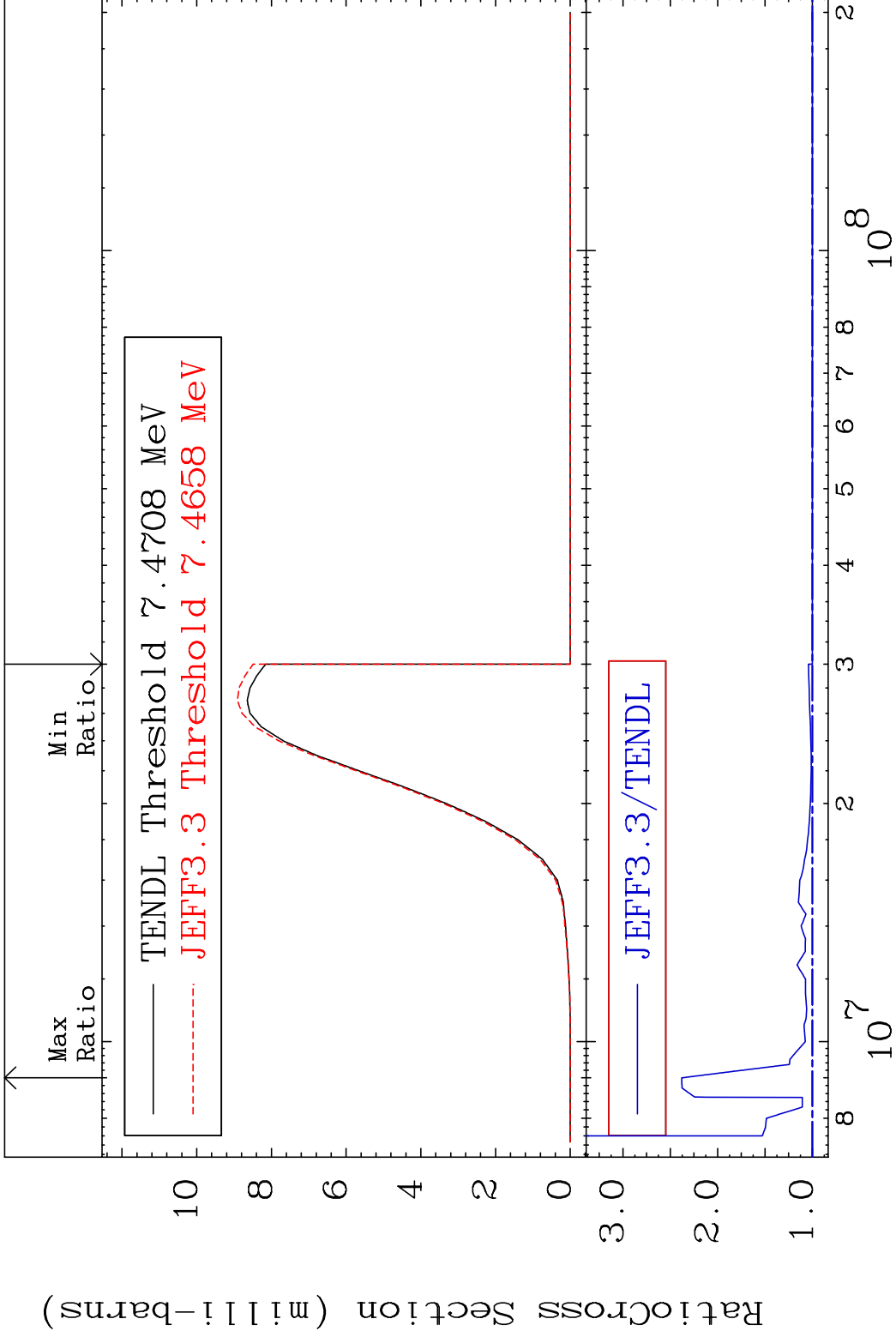
25-Mn-52

MAT 2516

(n, t)

25-Mn-52

Cross Section 0.000 To 137.9 %



45

Incident Energy (eV)

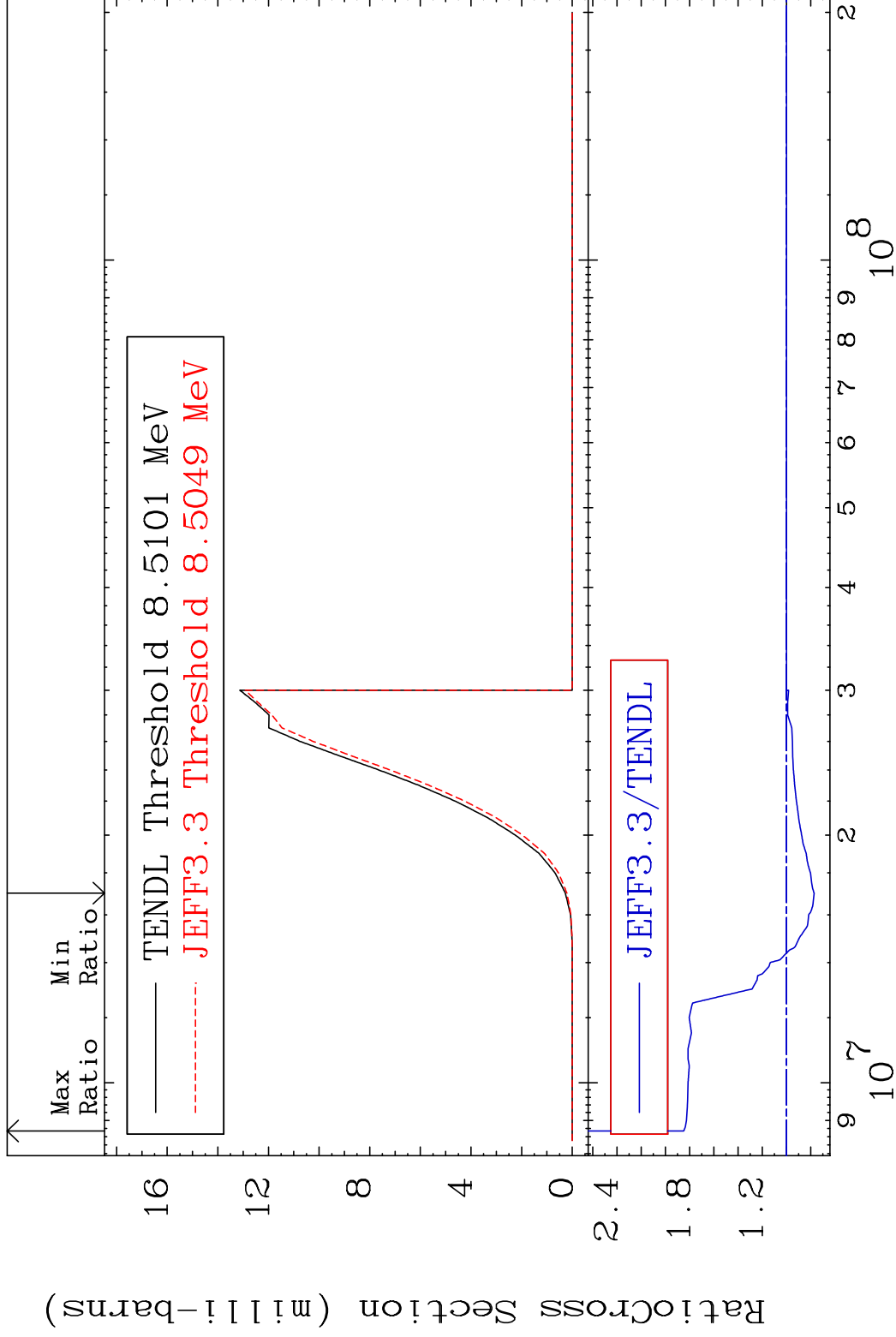
25-Mn-52

MAT 2516

(n, He-3)

<sup>25</sup>Mn-52

Cross Section -22.80 To 84.95 %



46

Incident Energy (eV)

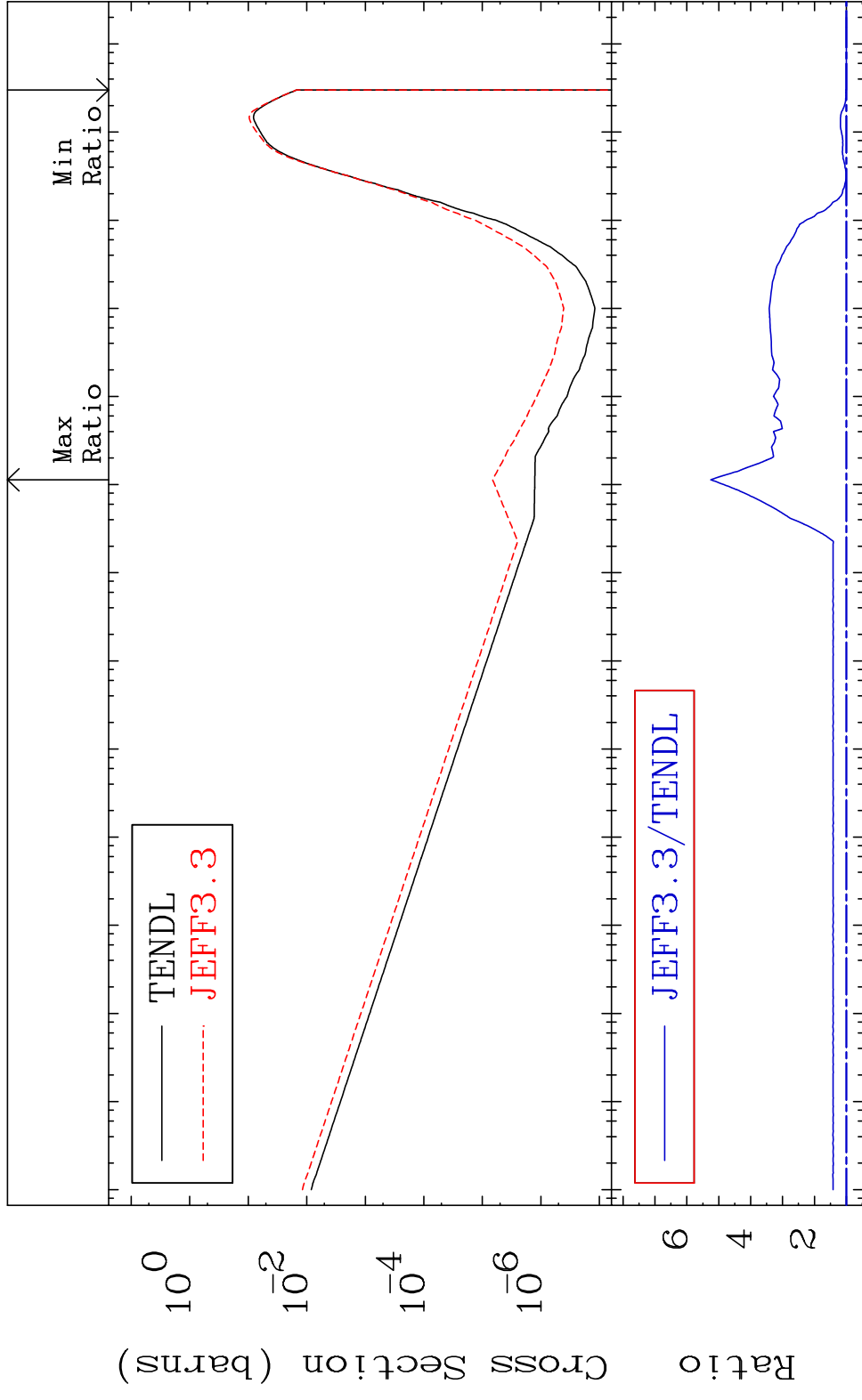
<sup>25</sup>Mn-52

MAT 2516

25-Mn-52

(n,  $\alpha$ )

Cross Section 0.000 To 425.2 %



47

Incident Energy (eV)

25-Mn-52

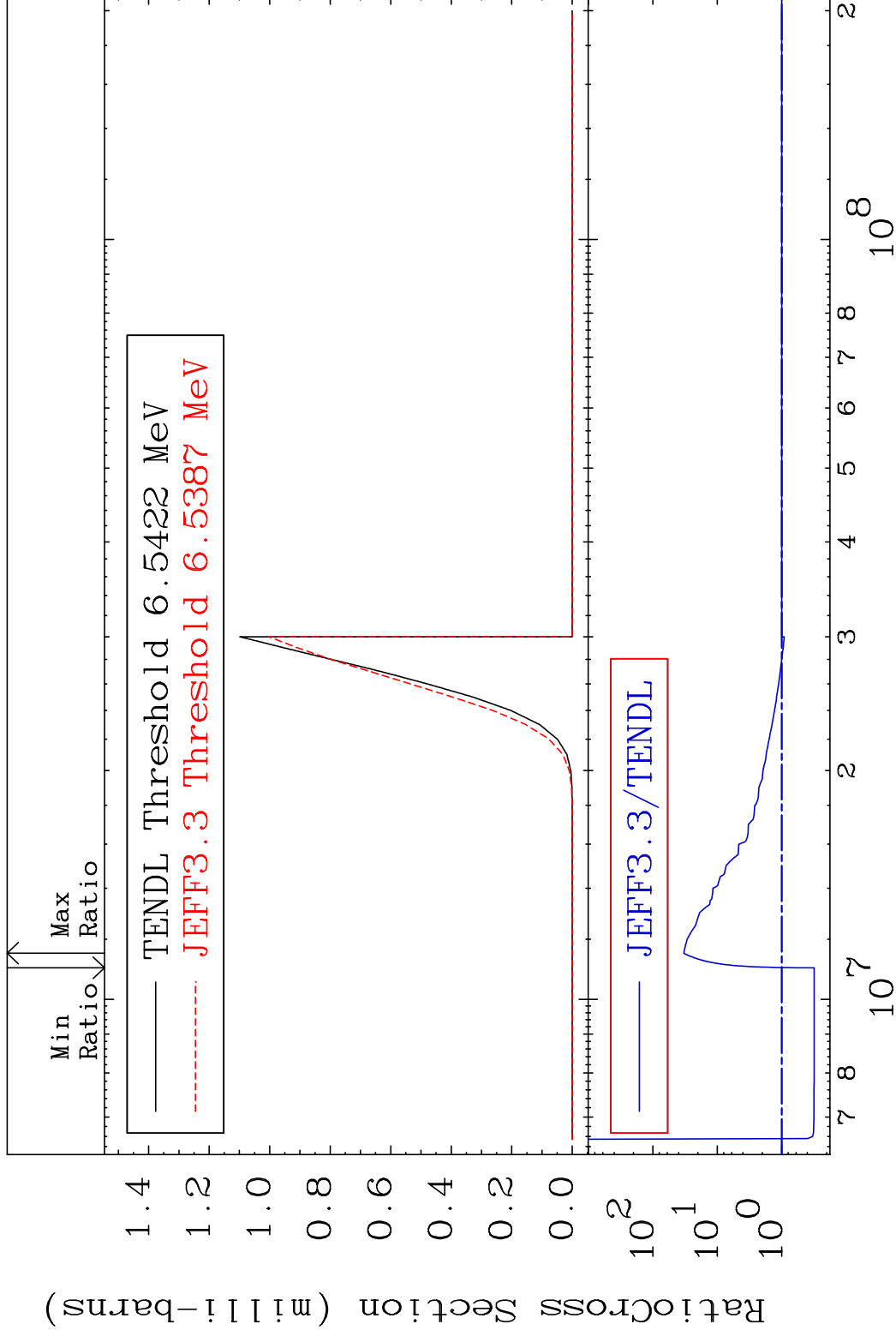


MAT 2516

(n,2α)

25-Mn-52

Cross Section -68.53 To 3234. %

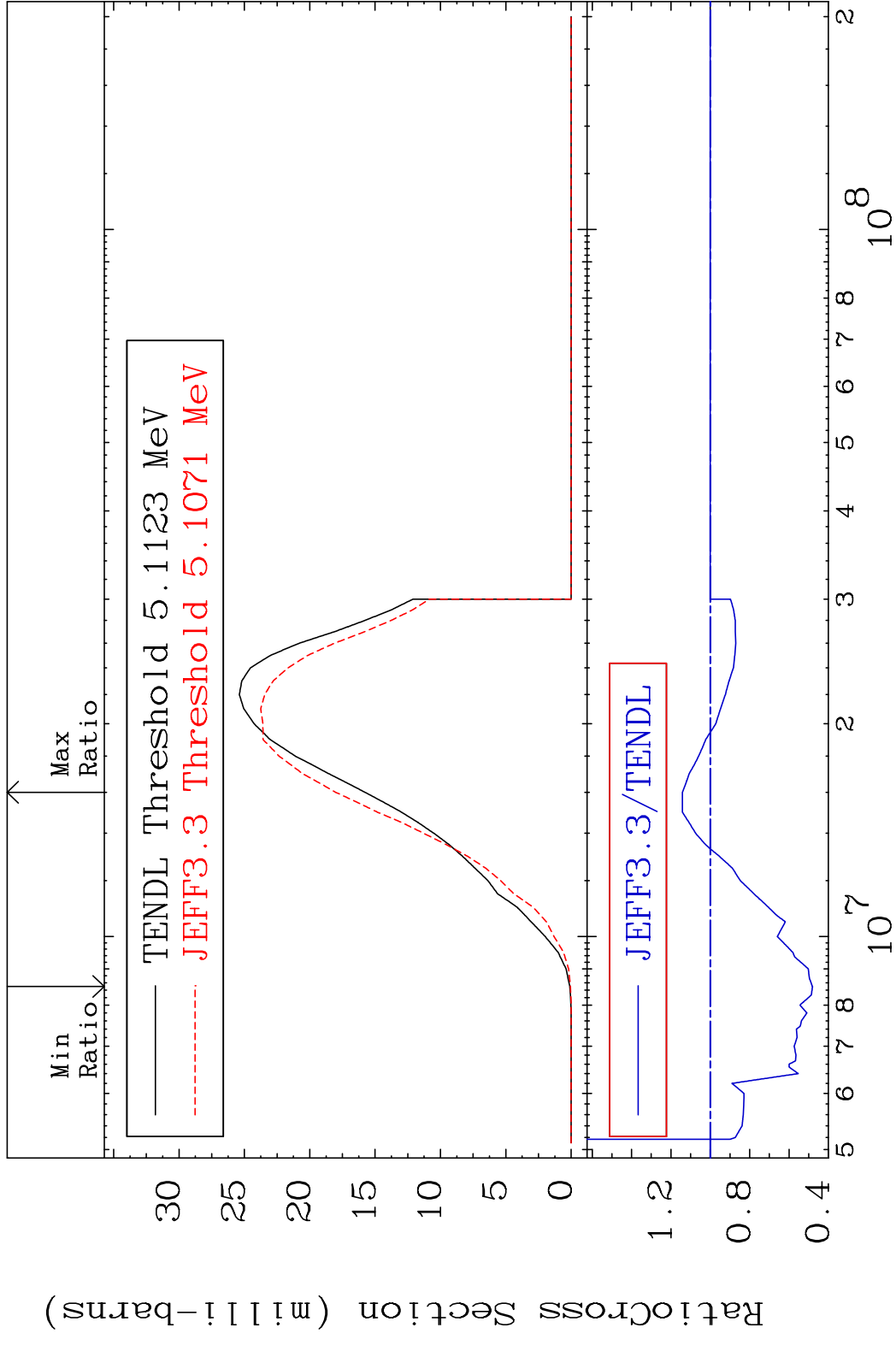


48

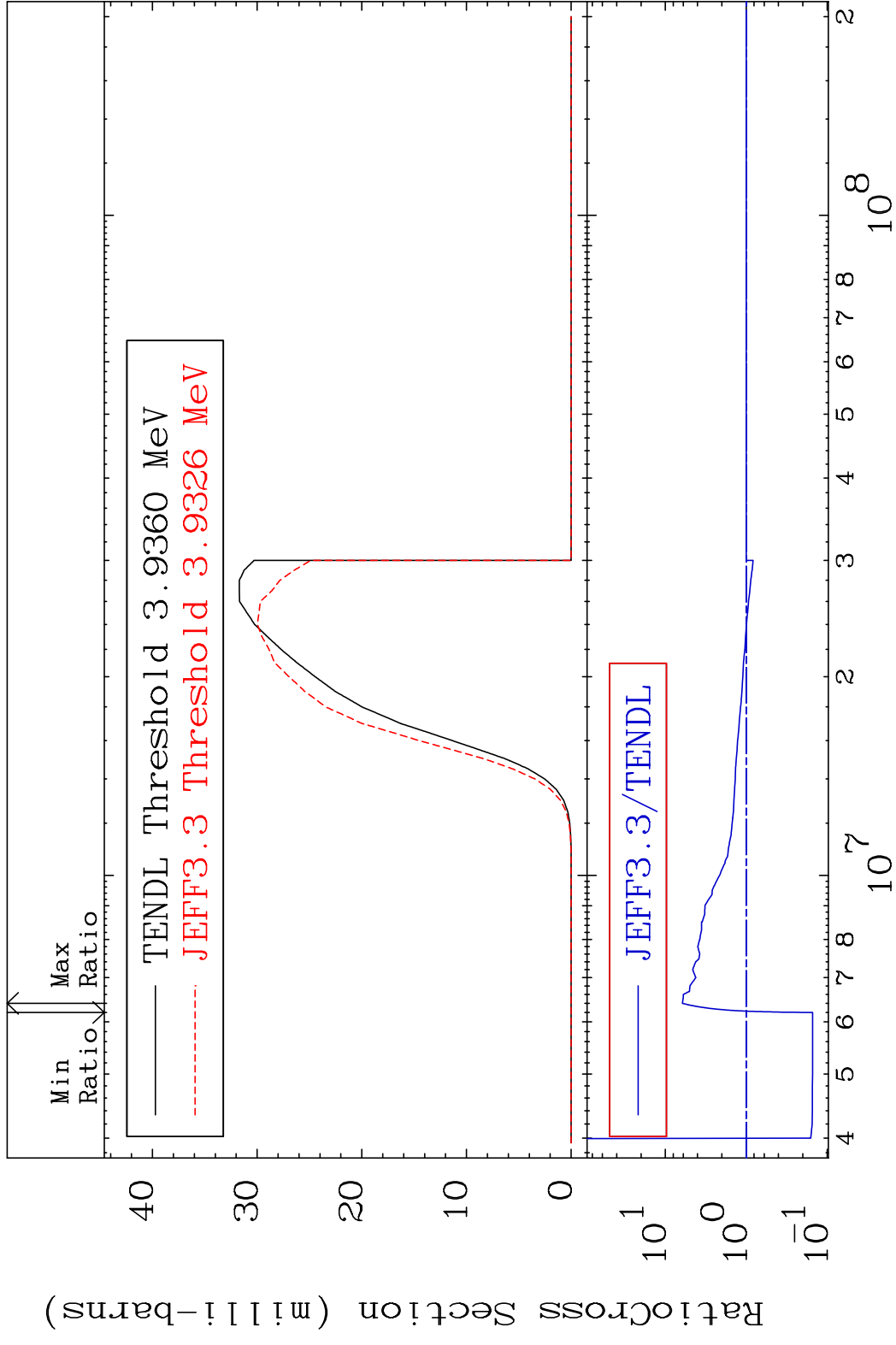
Incident Energy (eV)

25-Mn-52

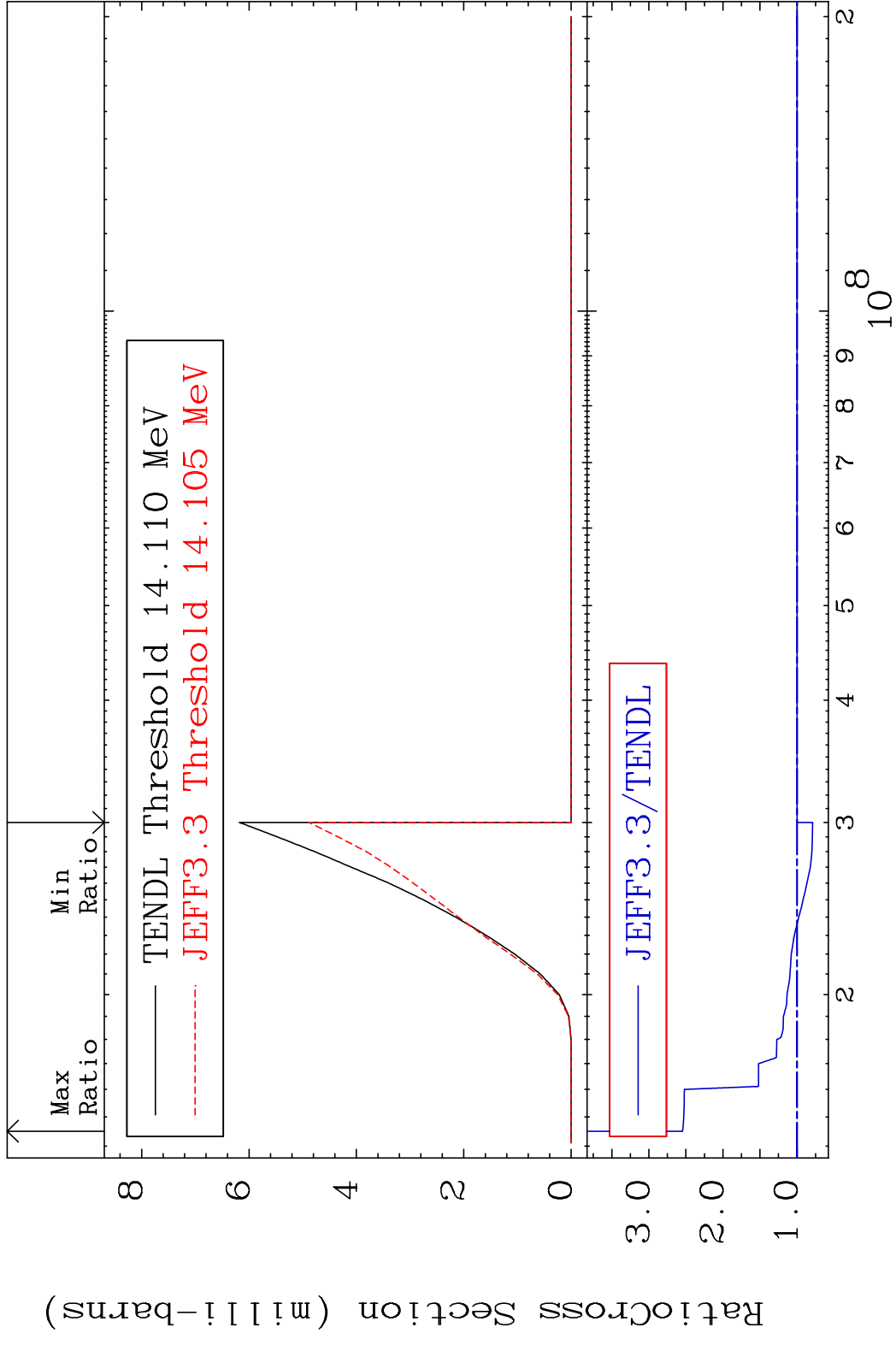
MAT 2516 (n,2p) 25-Mn-52  
 Cross Section -51.94 To 14.20 %



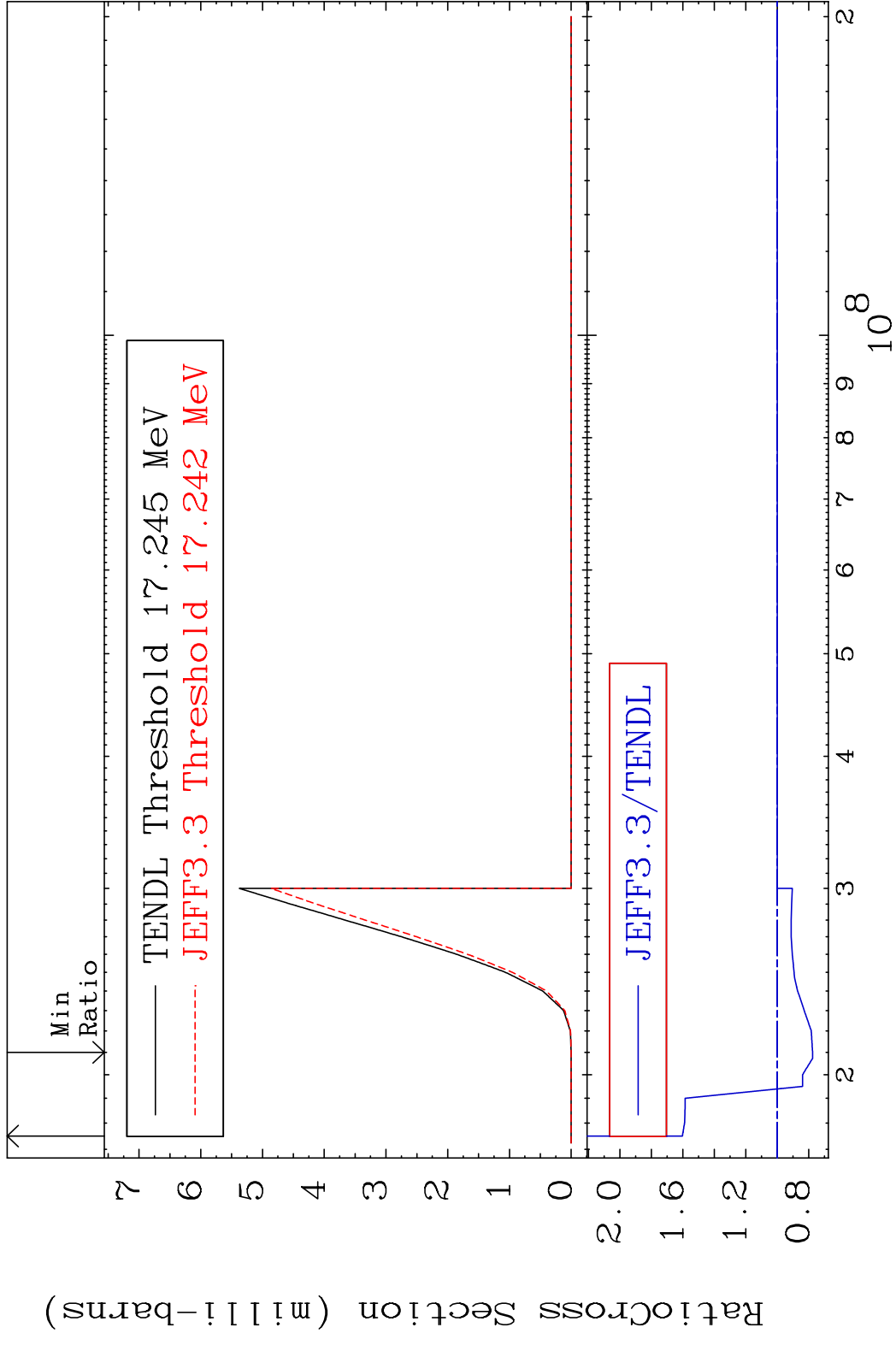
MAT 2516 (n,p)  $\alpha$  25-Mn-52  
 Cross Section -84.87 To 516.2 %



MAT 2516 (n,p) d 25-Mn-52  
 Cross Section -21.00 To 154.8 %



MAT 2516 (n,p) t 25-Mn-52  
 Cross Section -22.46 To 60.33 %

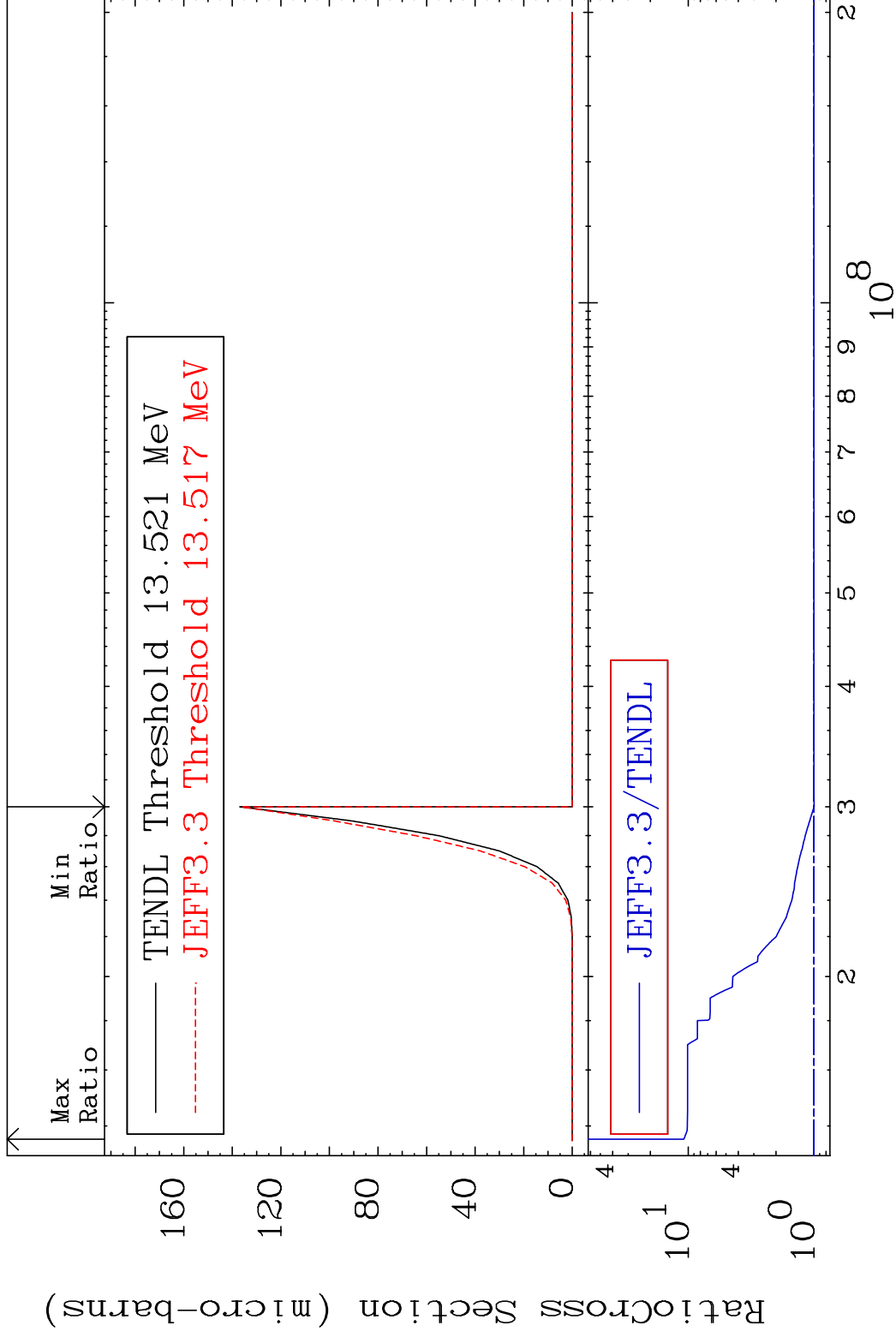


MAT 2516

(n, d)  $\alpha$

25-Mn-52

Cross Section -0.388 To 987.0 %



53

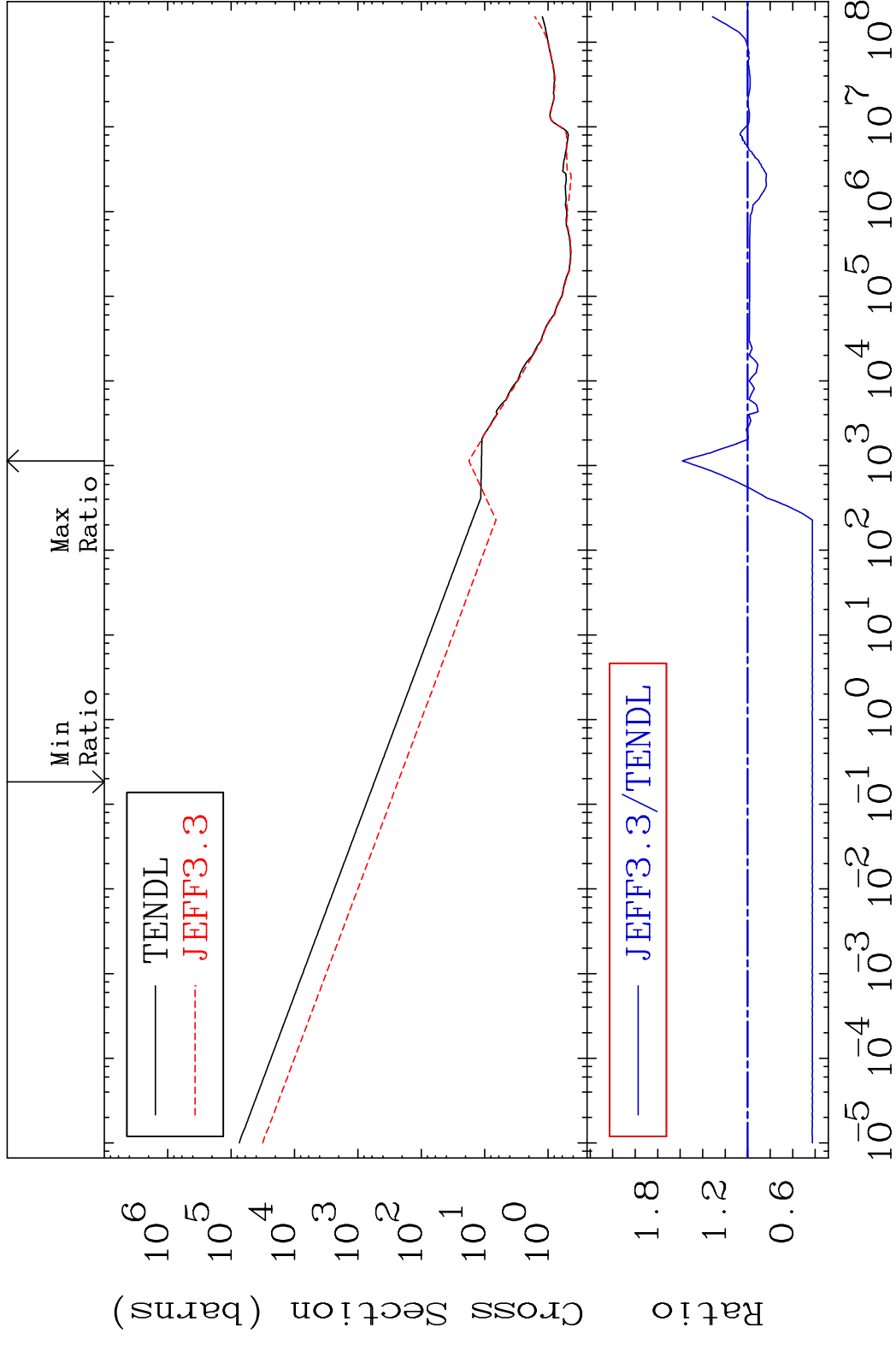
Incident Energy (eV)

25-Mn-52

MAT 2516

Hydrogen Production  
Cross Section -57.63 To 58.09 %

25-Mn-52

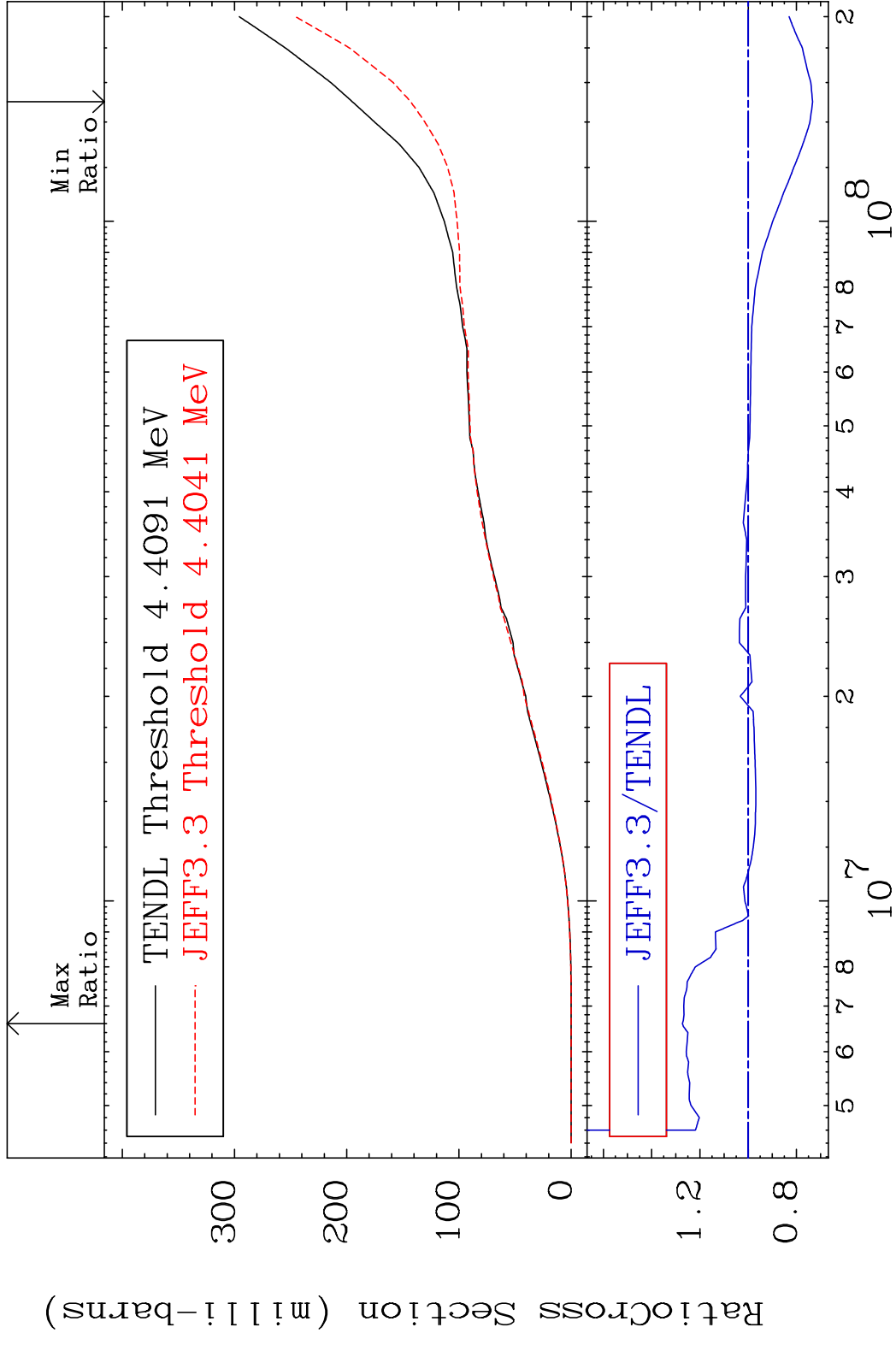


MAT 2516

Deuterium Production

<sup>25</sup>Mn-52

Cross Section -26.67 To 27.28 %



55

Incident Energy (eV)

<sup>25</sup>Mn-52

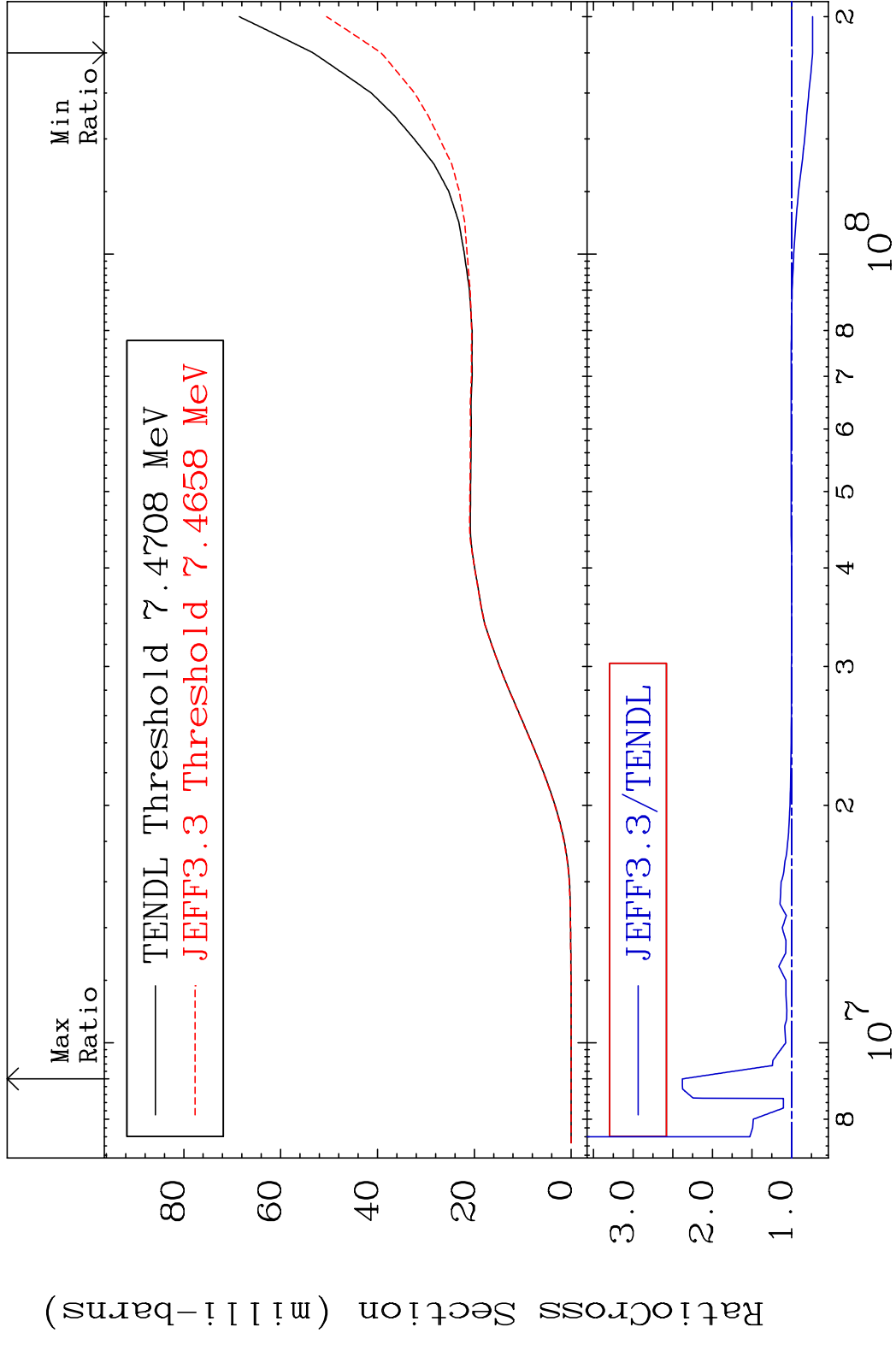


MAT 2516

Tritium Production

25-Mn-52

Cross Section -26.38 To 137.9 %

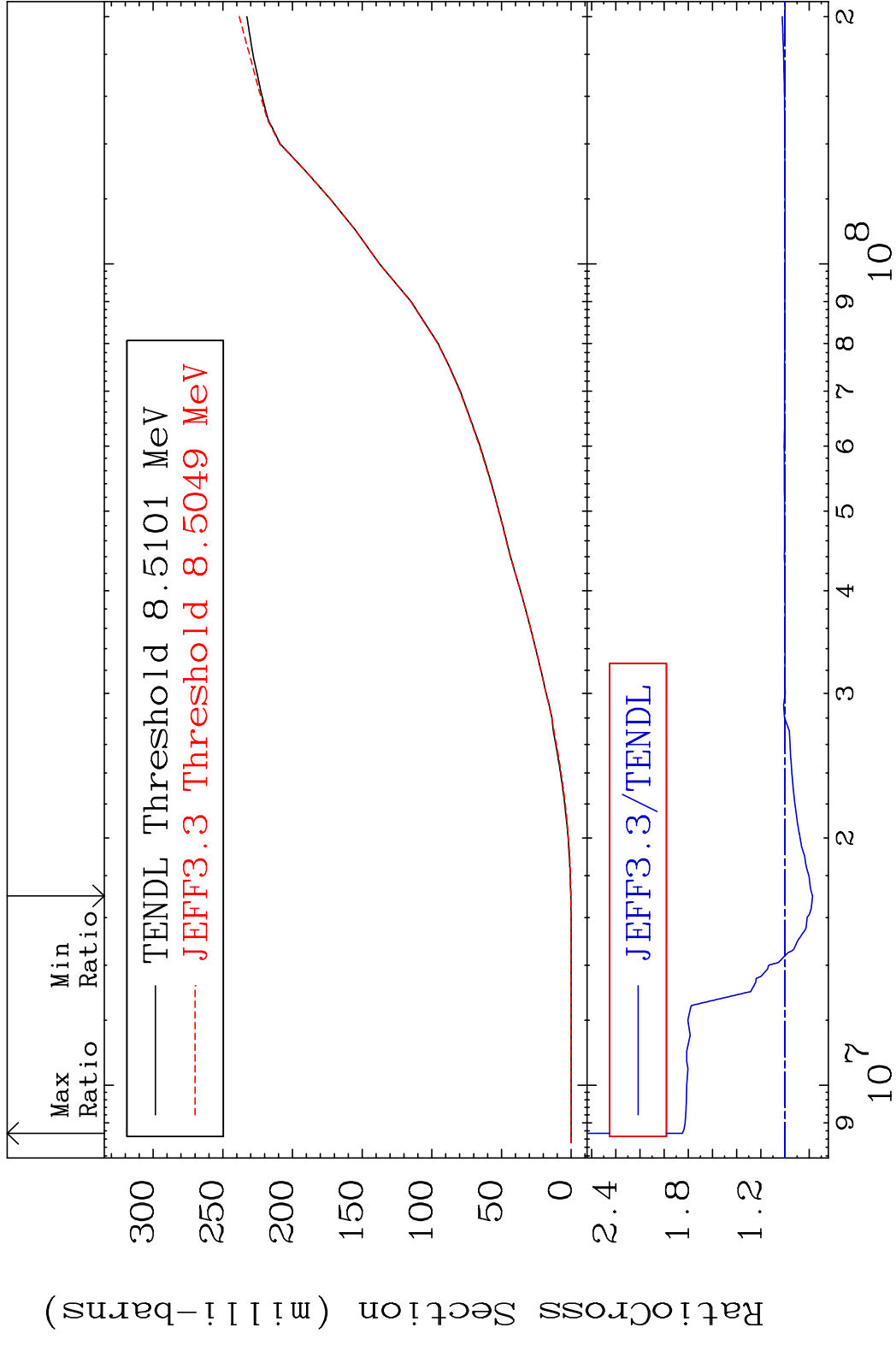


MAT 2516

He-3 Production

25-Mn-52

Cross Section -22.80 To 84.95 %



57

Incident Energy (eV)

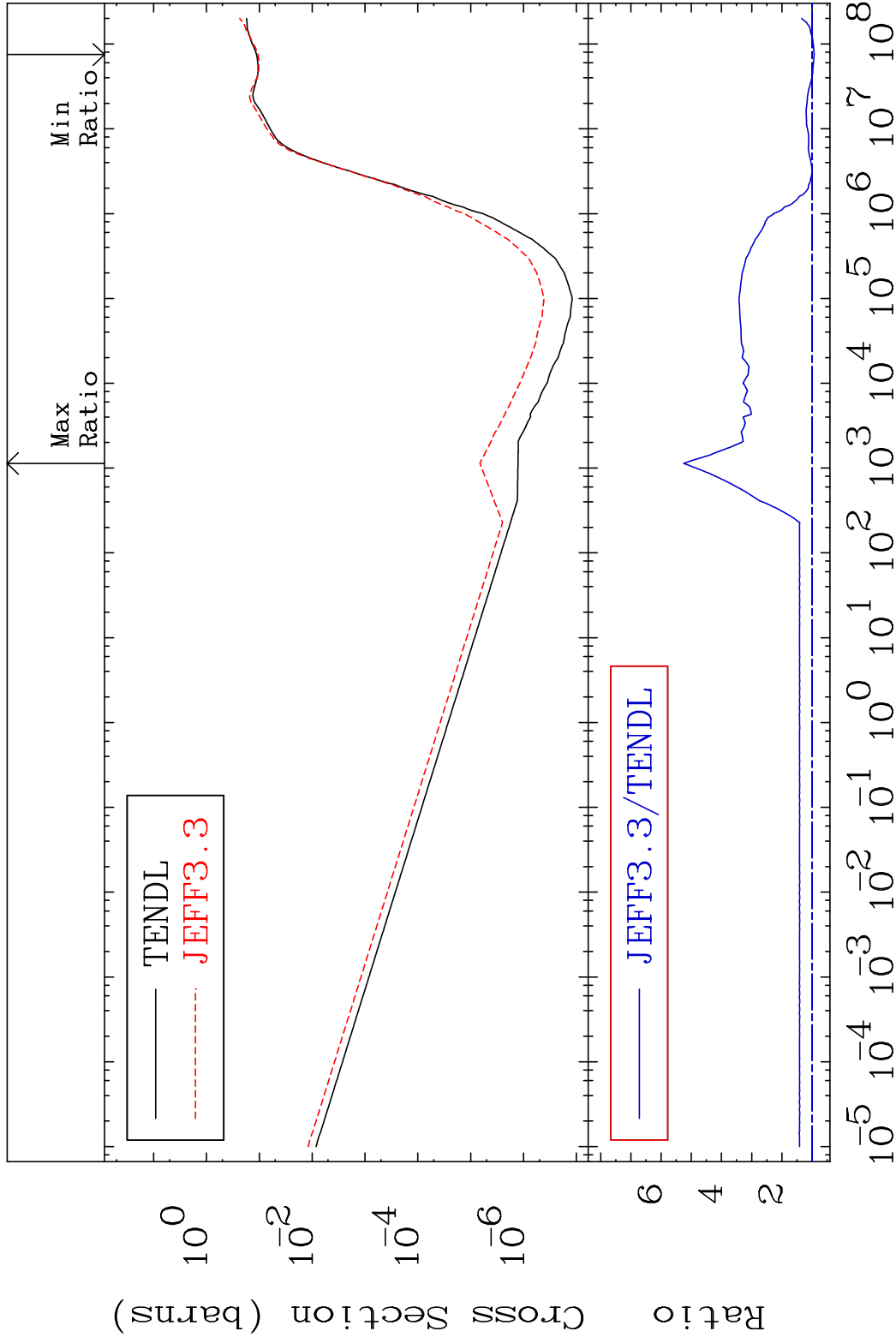
25-Mn-52

MAT 2516

He-4 Production

25-Mn-52

Cross Section -6.746 To 425.2 %



58

Incident Energy (eV)

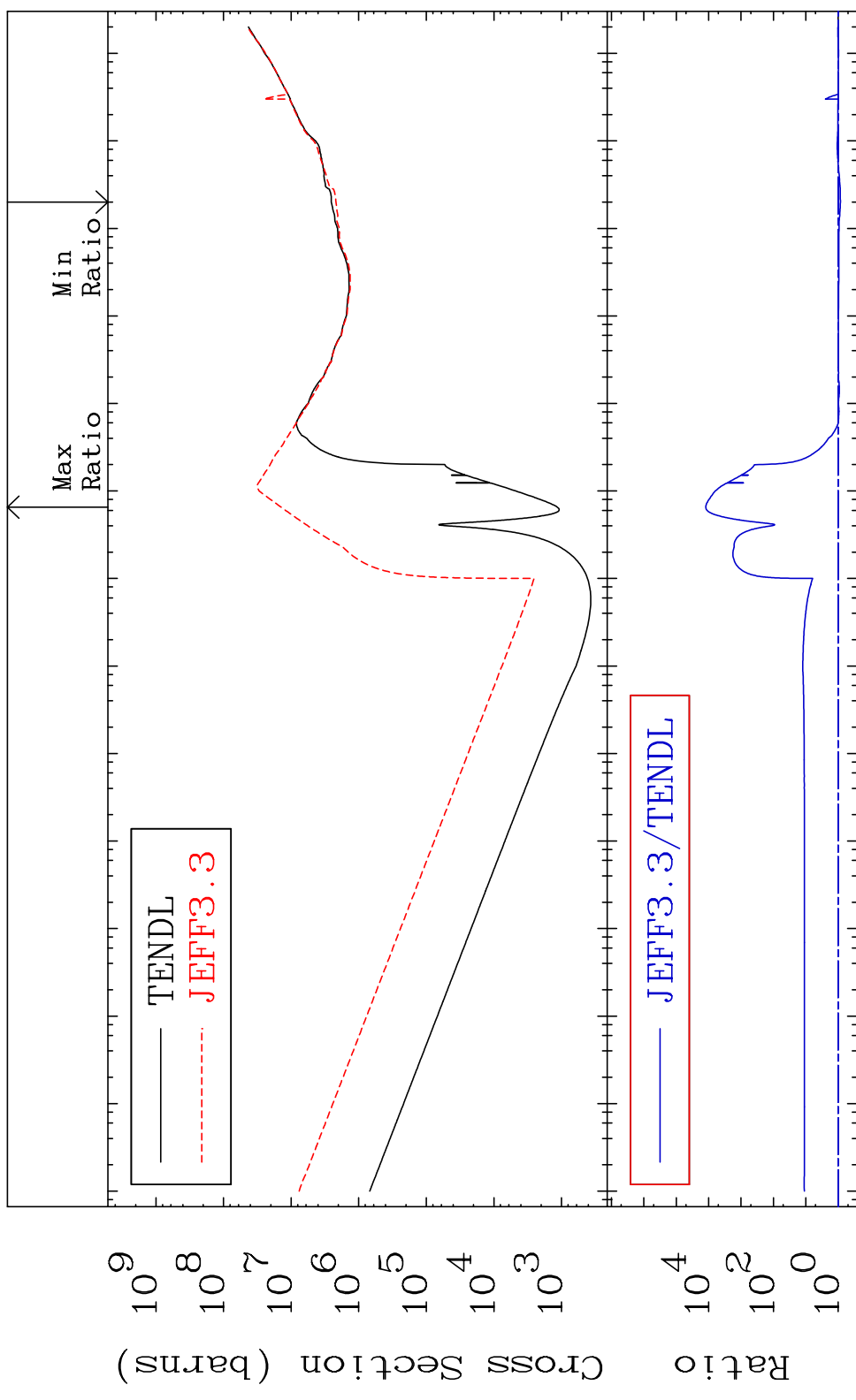
25-Mn-52

MAT 2516

Kerma total (eV-barns)

25-Mn-52

Cross Section -14.63 To 9999. %



59

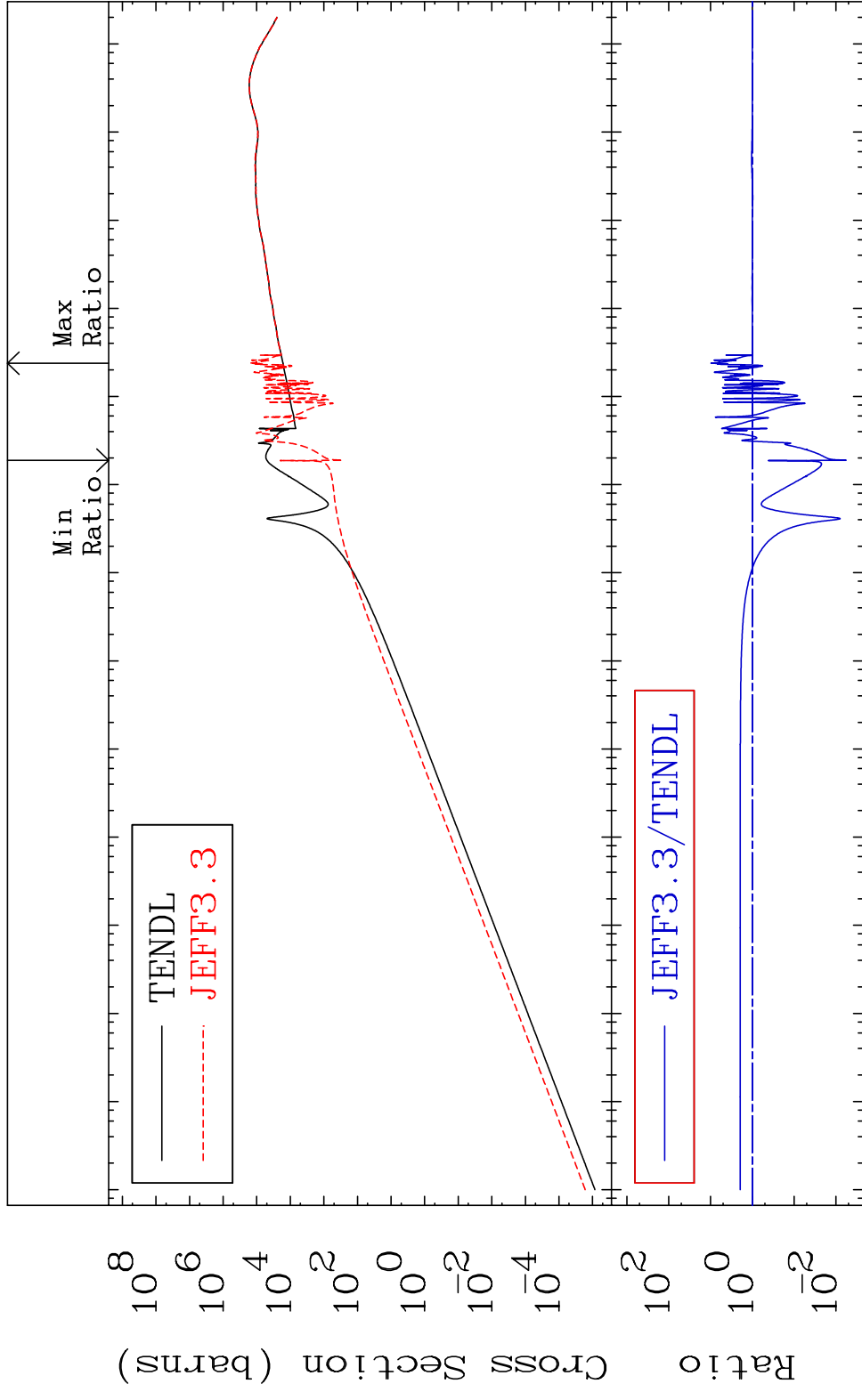
Incident Energy (eV)

25-Mn-52

MAT 2516

Kerma elastic  
Cross Section

25-Mn-52  
-99.44 To 887.2 %

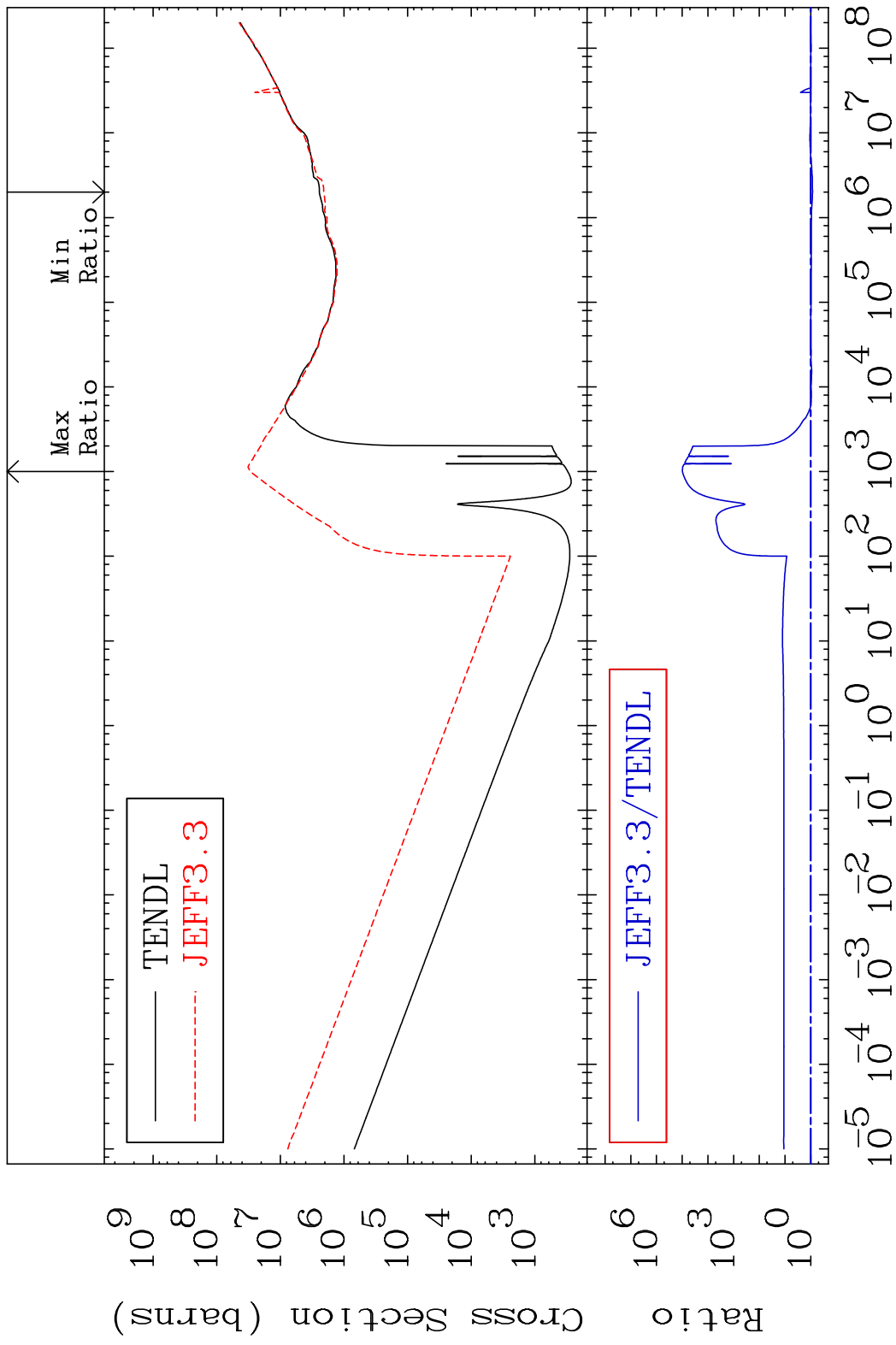


60

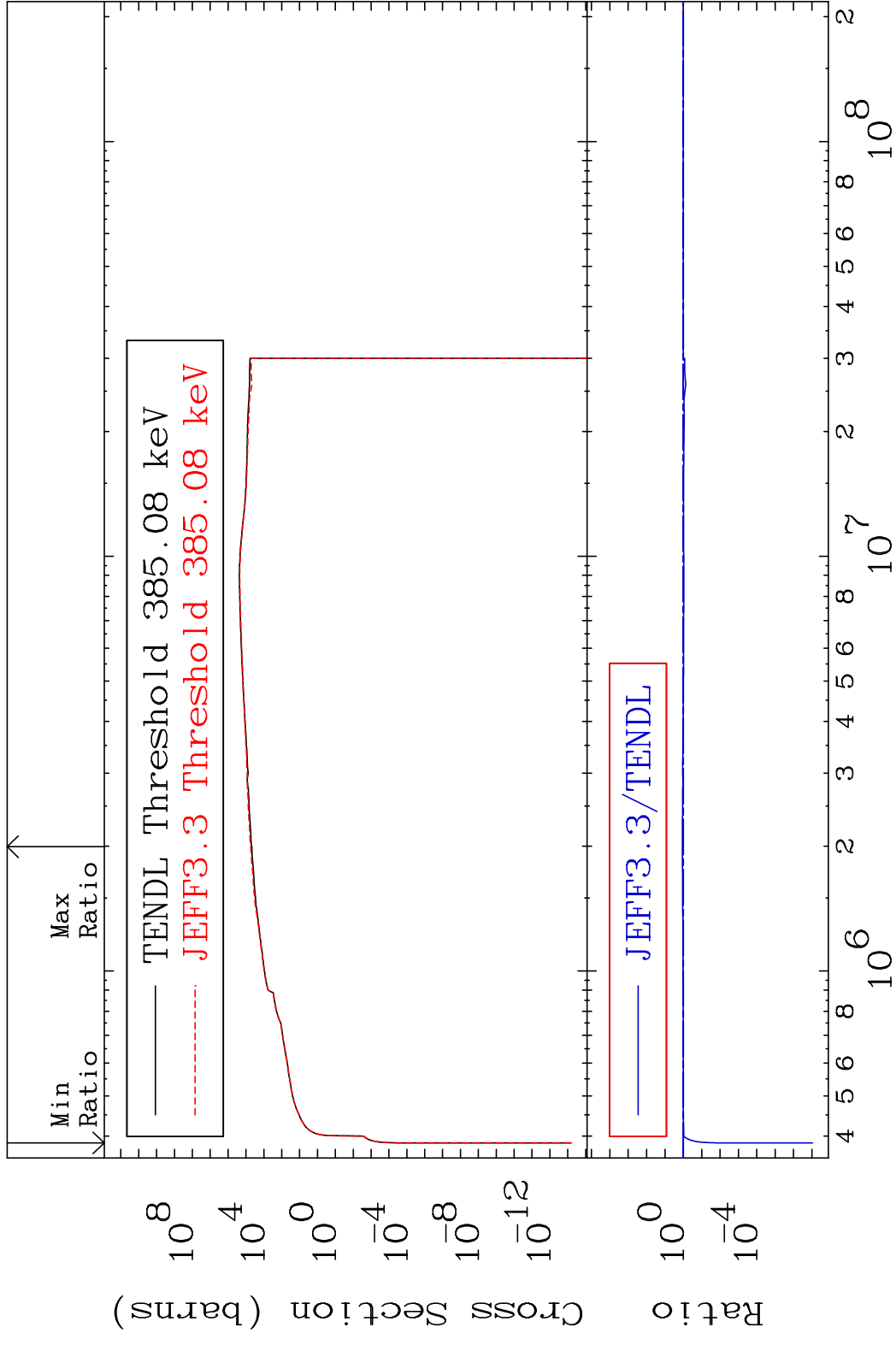
Incident Energy (eV)

25-Mn-52

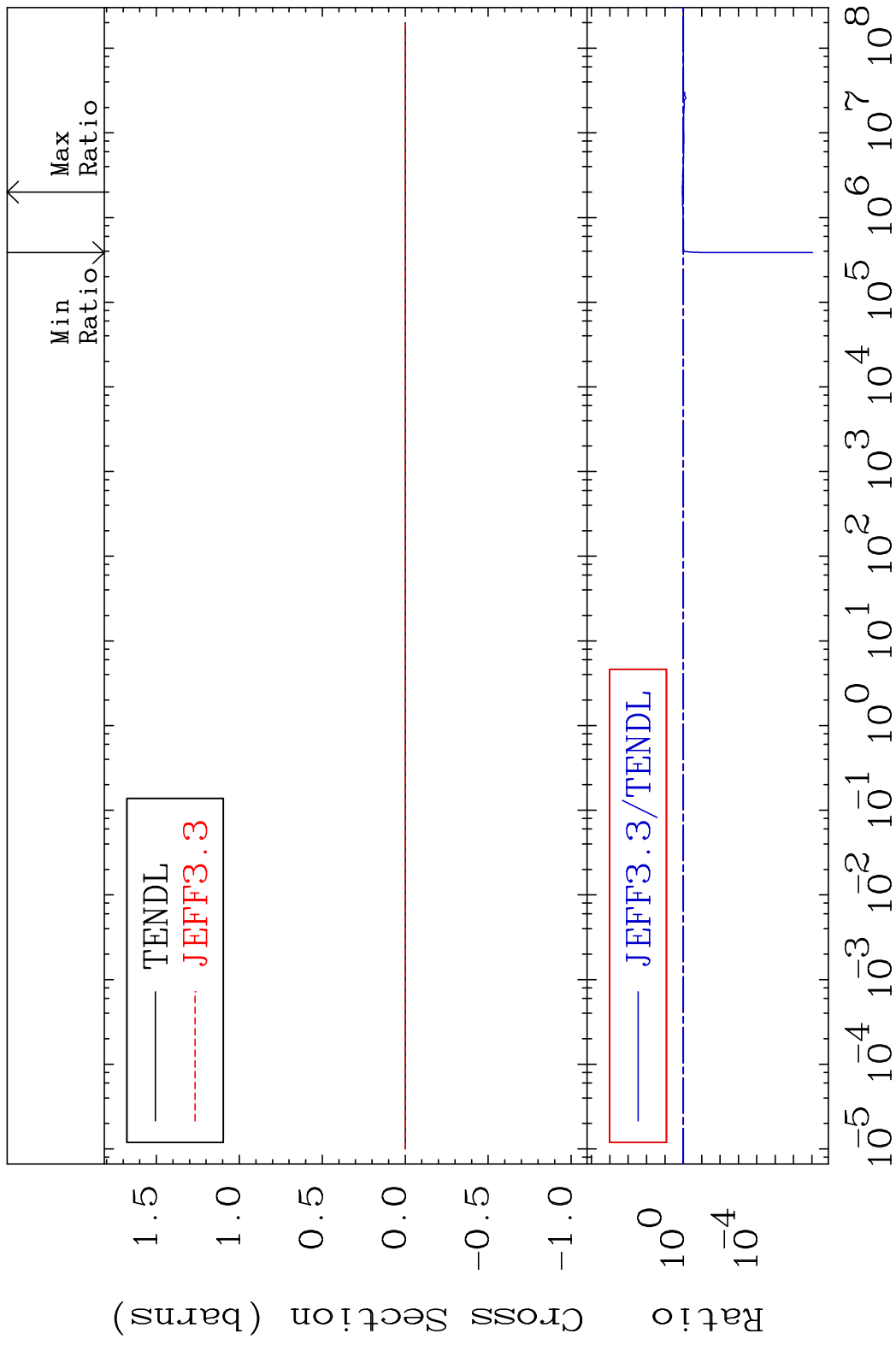
MAT 2516 Kerma non-elastic (all but mt2) 25-Mn-52  
 Cross Section -15.18 To 9999. %



MAT 2516 Kerma inelastic (mt51-91) 25-Mn-52  
 Cross Section -100.0 To 12.97 %



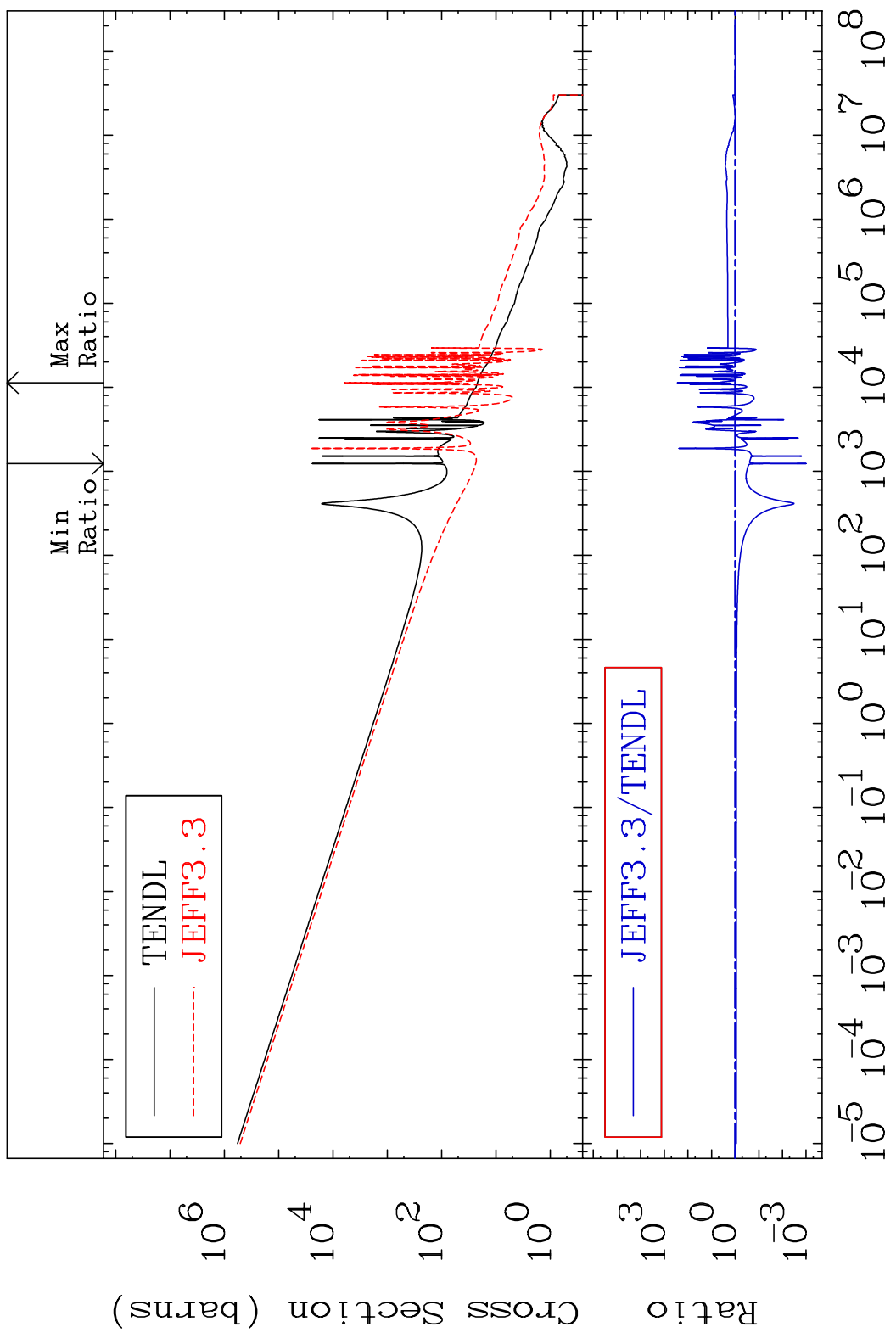
MAT 2516 Kerma fission (mt18 or mt19-20-21-38) 25-Mn-52  
 Cross Section -100.0 To 12.97 %





MAT 2516

Kerma capture (mt102) 25-Mn-52  
Cross Section -99.90 To 9999. %



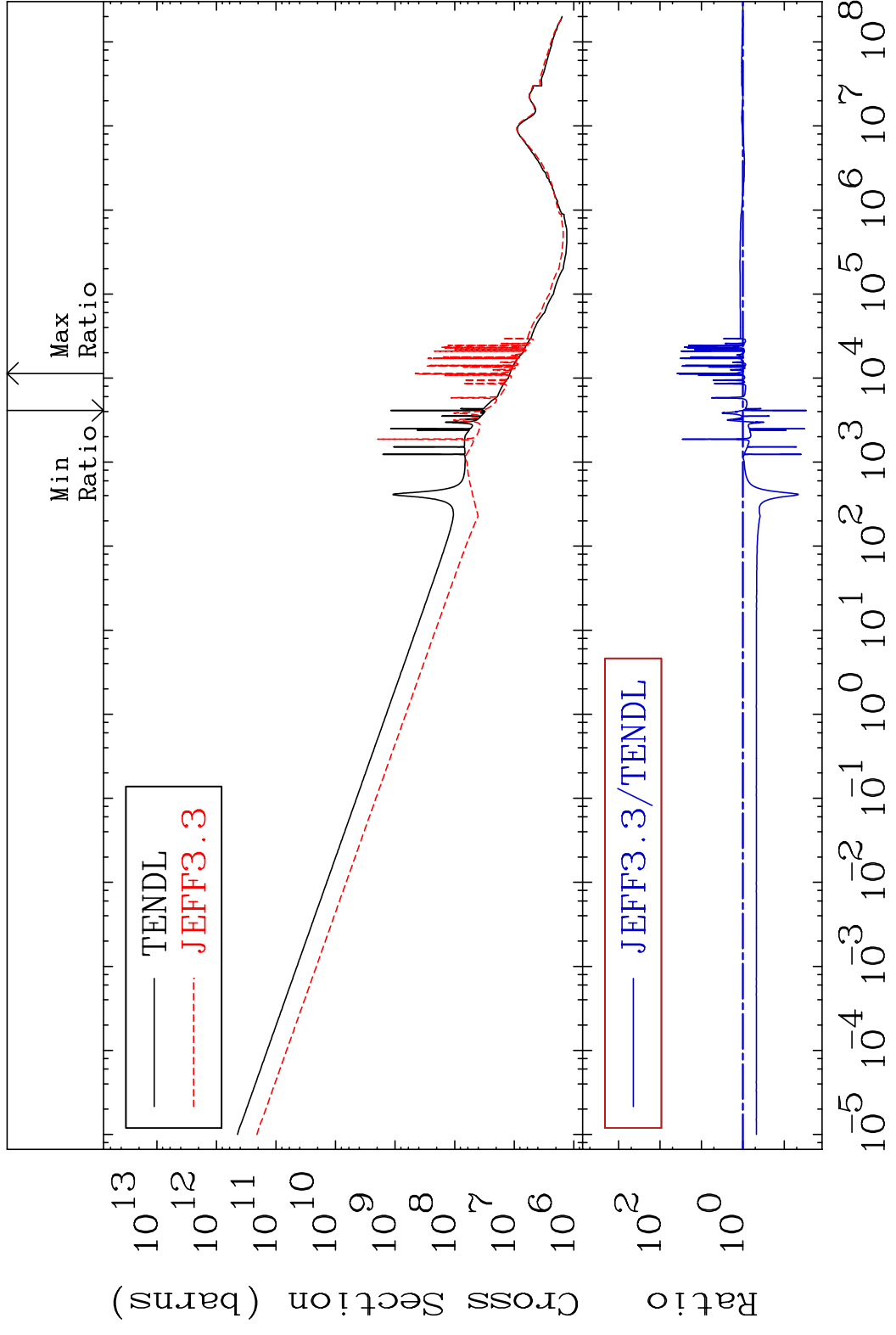
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Incident Energy (eV)

25-Mn-52

MAT 2516

Total photon (eV-barns) 25-Mn-52  
Cross Section -97.08 To 3767. %

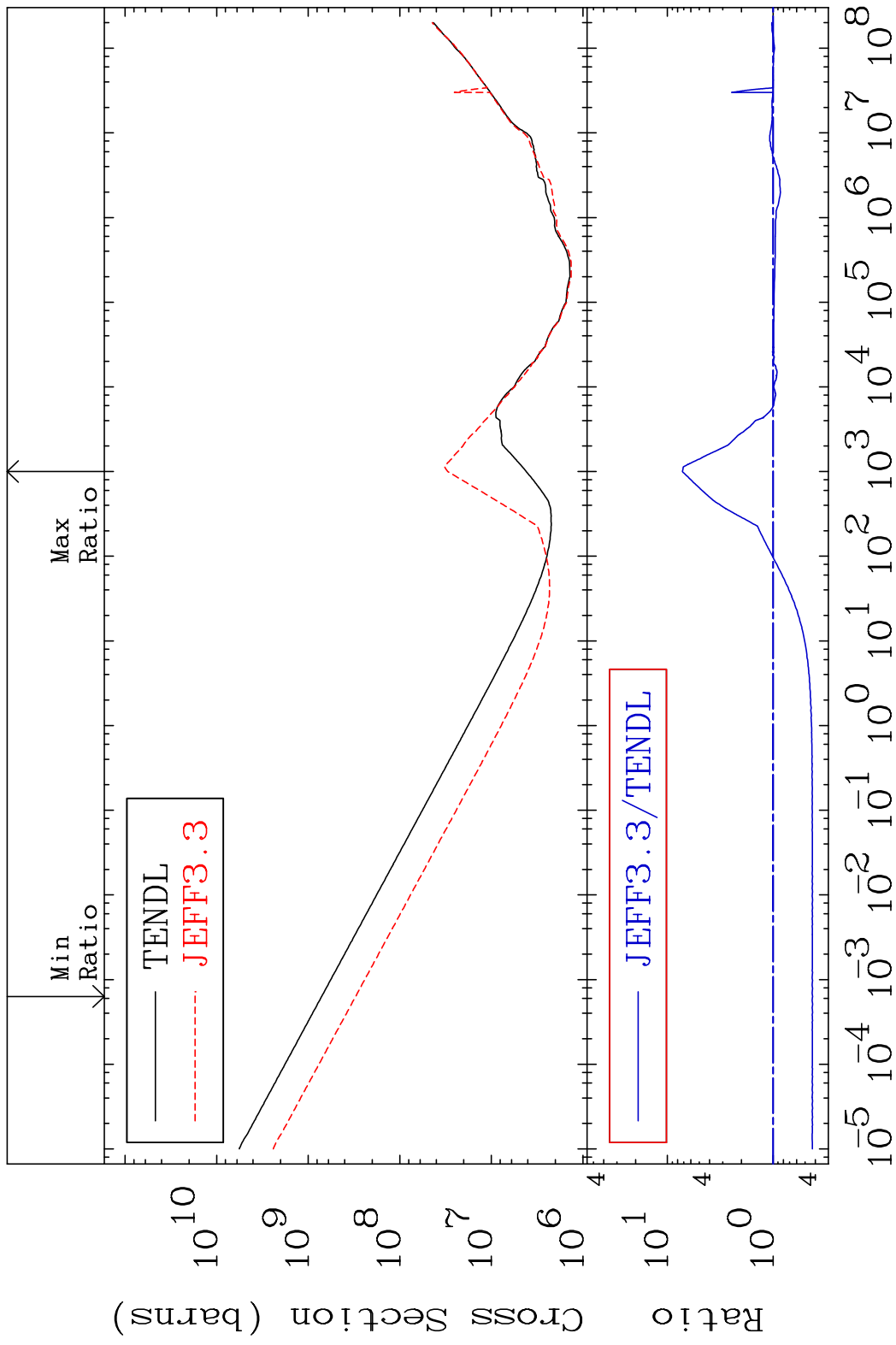


65

Incident Energy (eV)

25-Mn-52

MAT 2516 Total kinematic kerma (high limit) 25-Mn-52  
 Cross Section -57.57 To 622.6 %

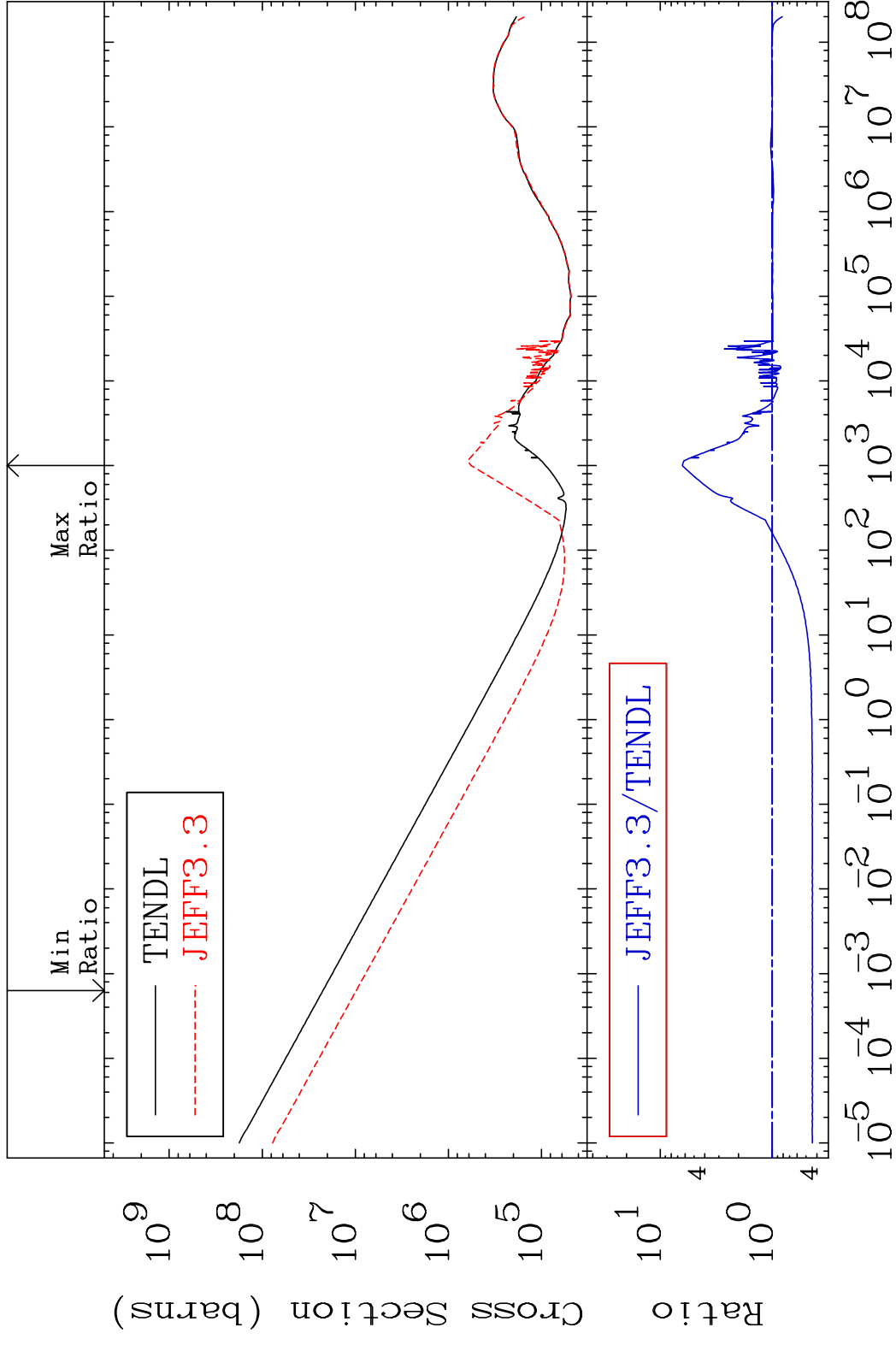


MAT 2516

Dpa total (eV-barns)

25-Mn-52

Cross Section -56.30 To 535.0 %



67

Incident Energy (eV)

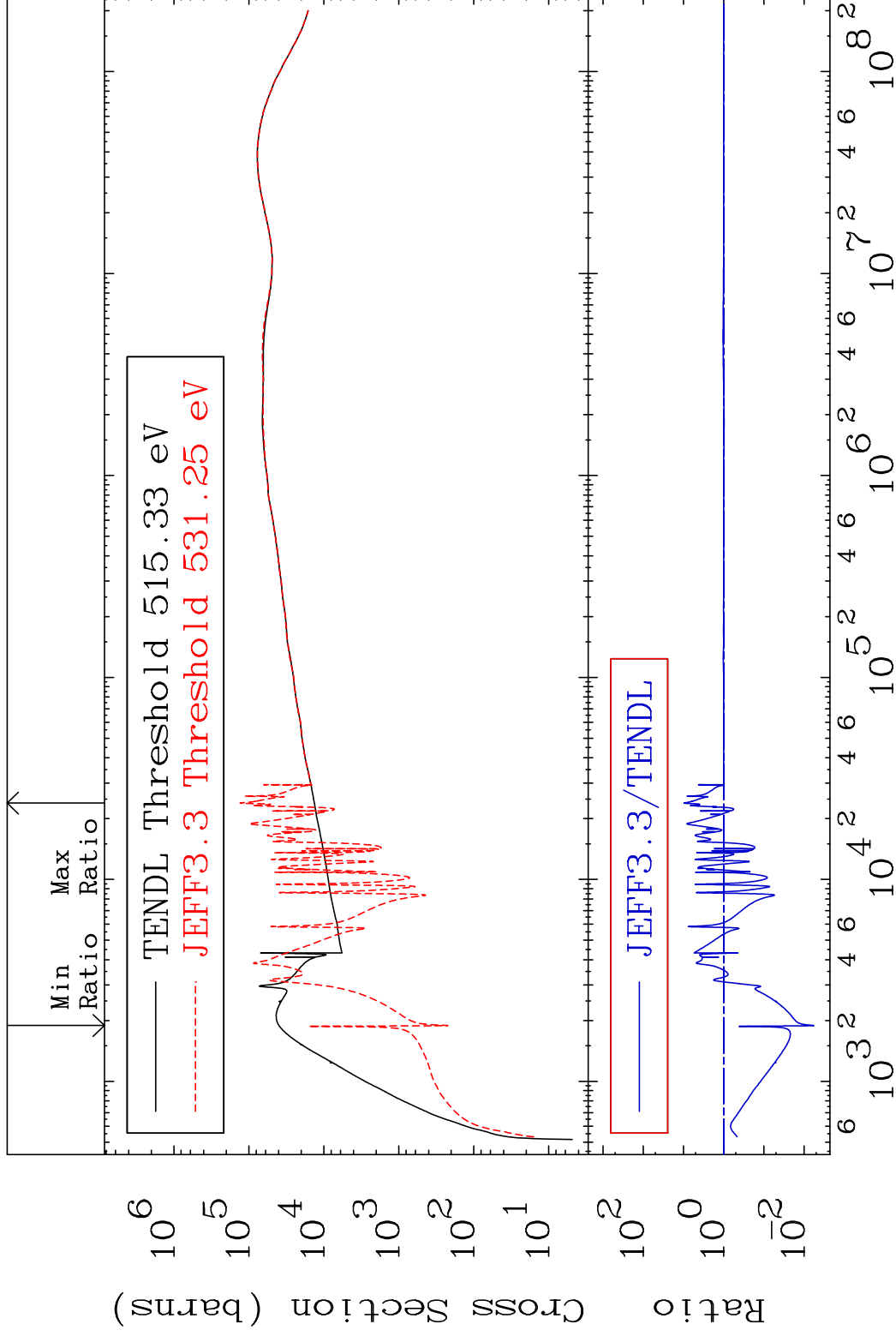
25-Mn-52

MAT 2516

Dpa elastic (mt2)

25-Mn-52

Cross Section -99.44 To 887.2 %

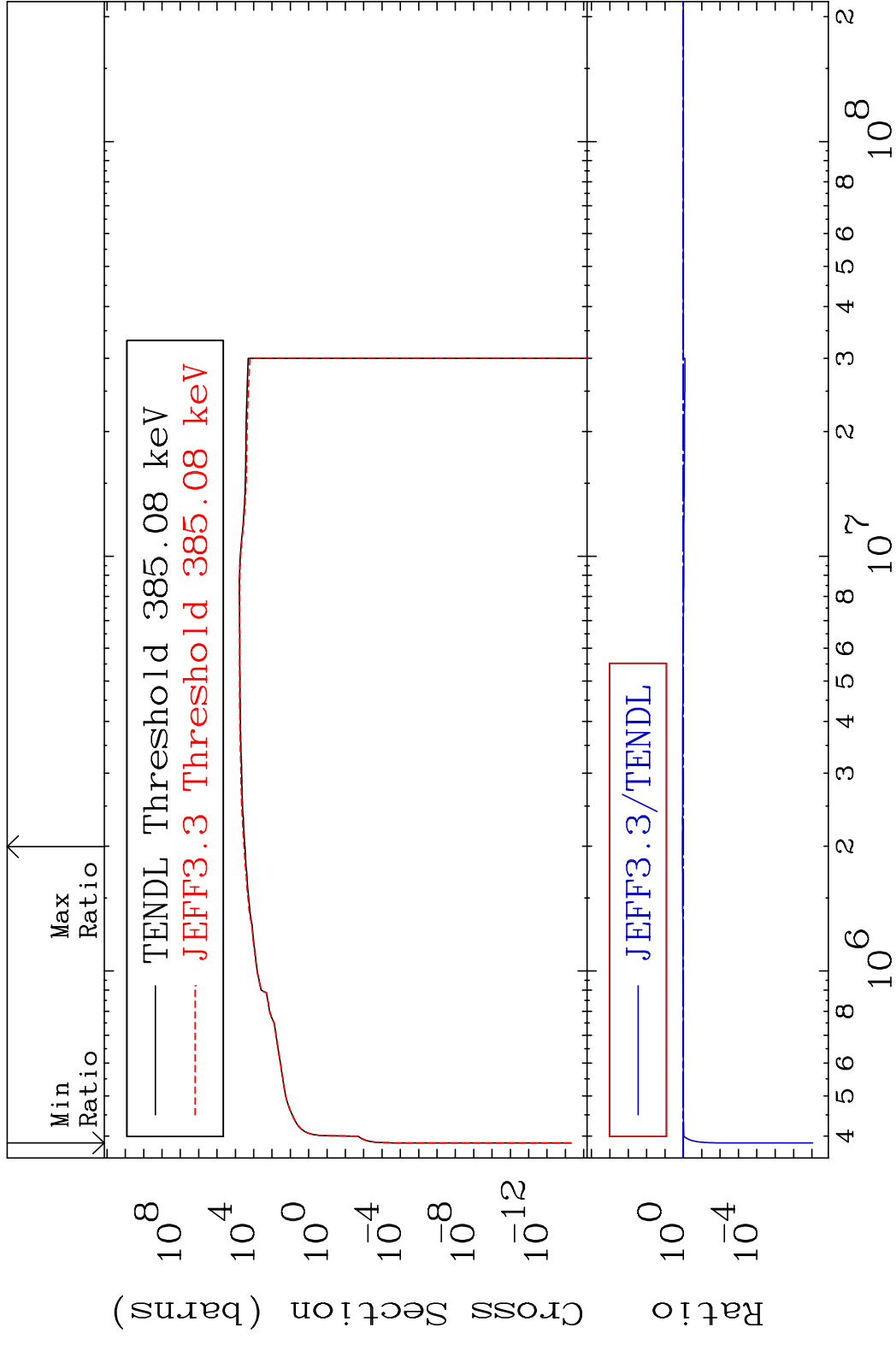


68

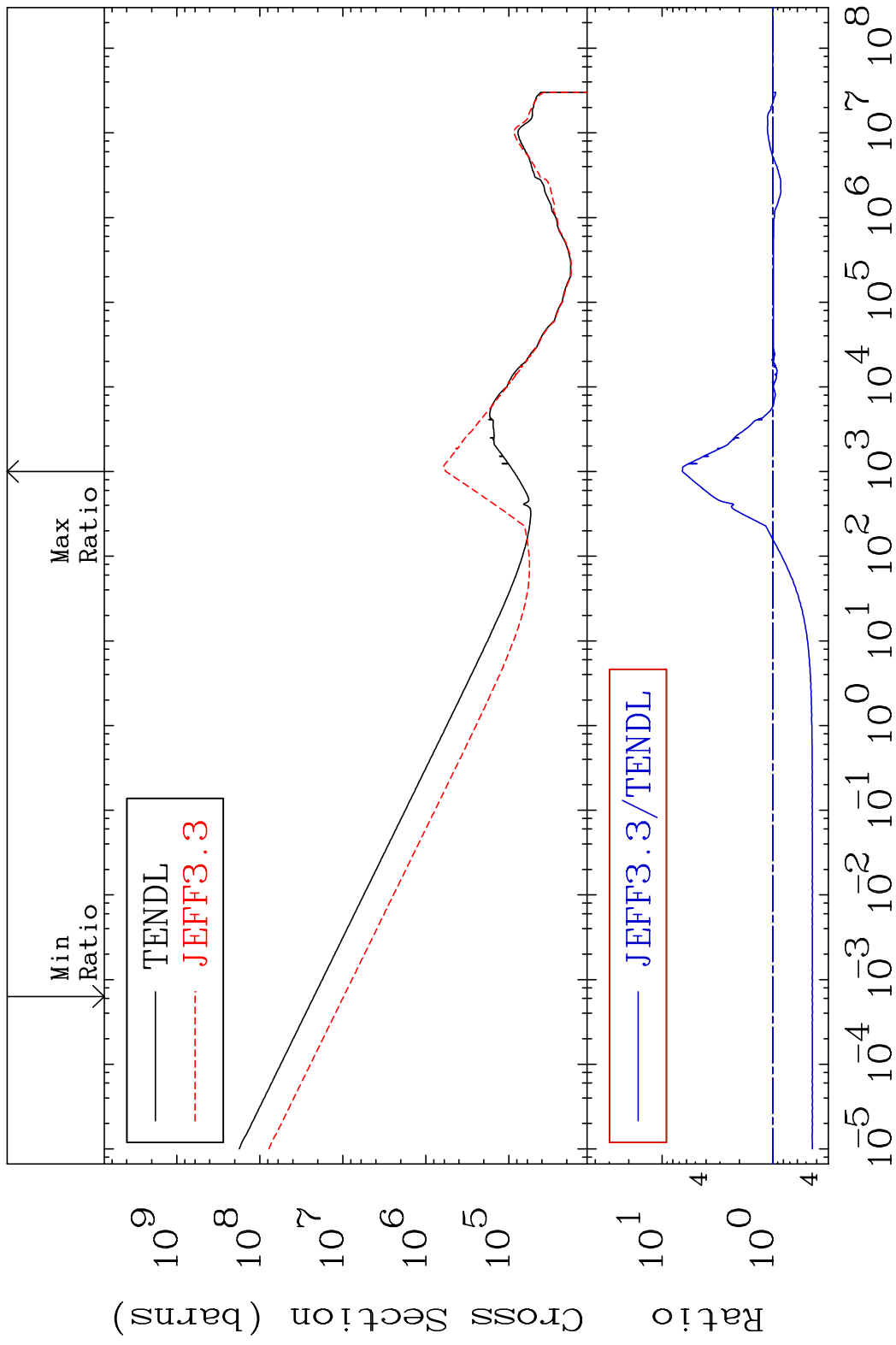
Incident Energy (eV)

25-Mn-52

MAT 2516      Dpa inelastic (mt51-91)      25-Mn-52  
 Cross Section      -100.0 To 13.20 %

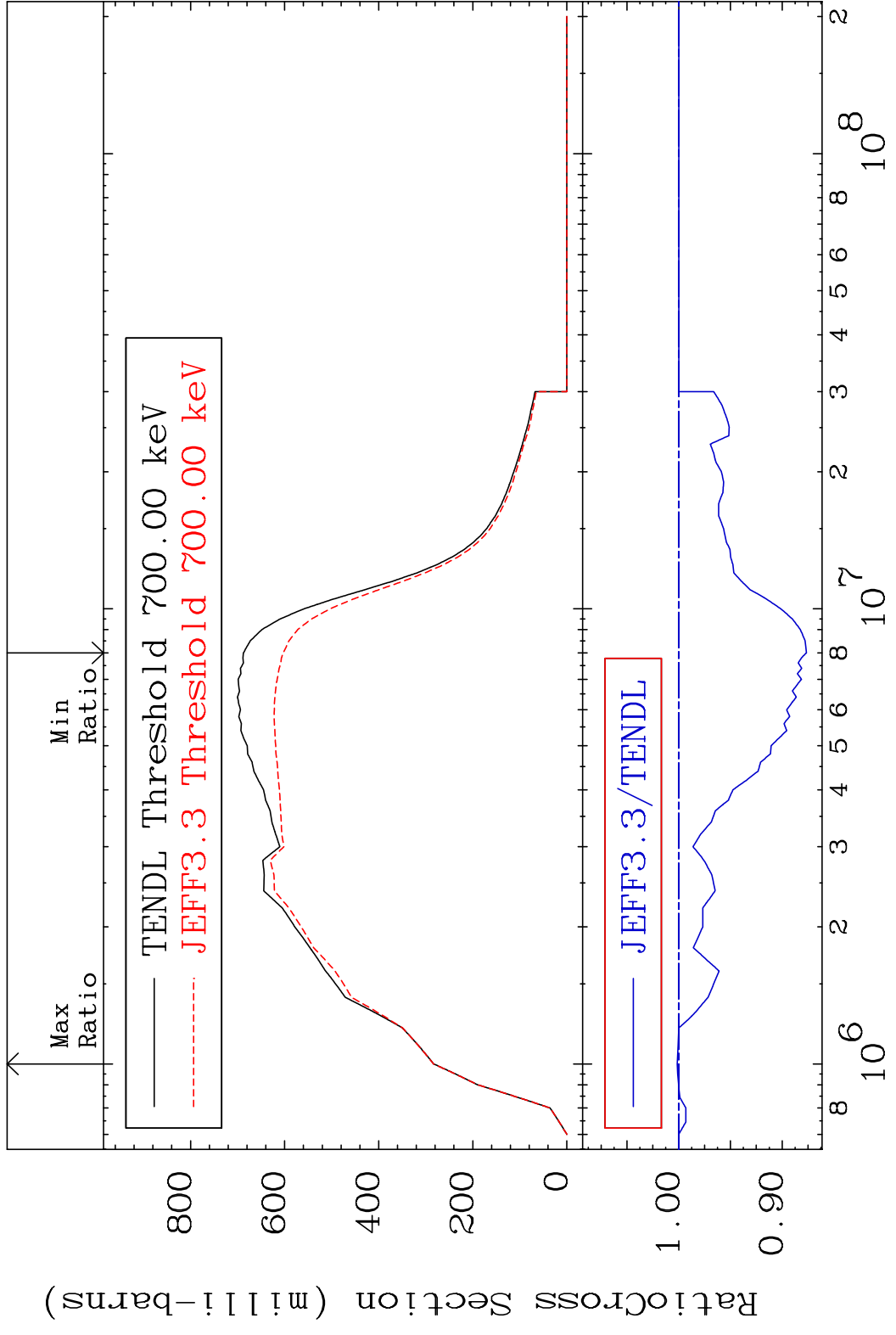


MAT 2516 Dpa disappearance (mt102 -120) 25-Mn-52  
 Cross Section -56.30 To 555.2 %



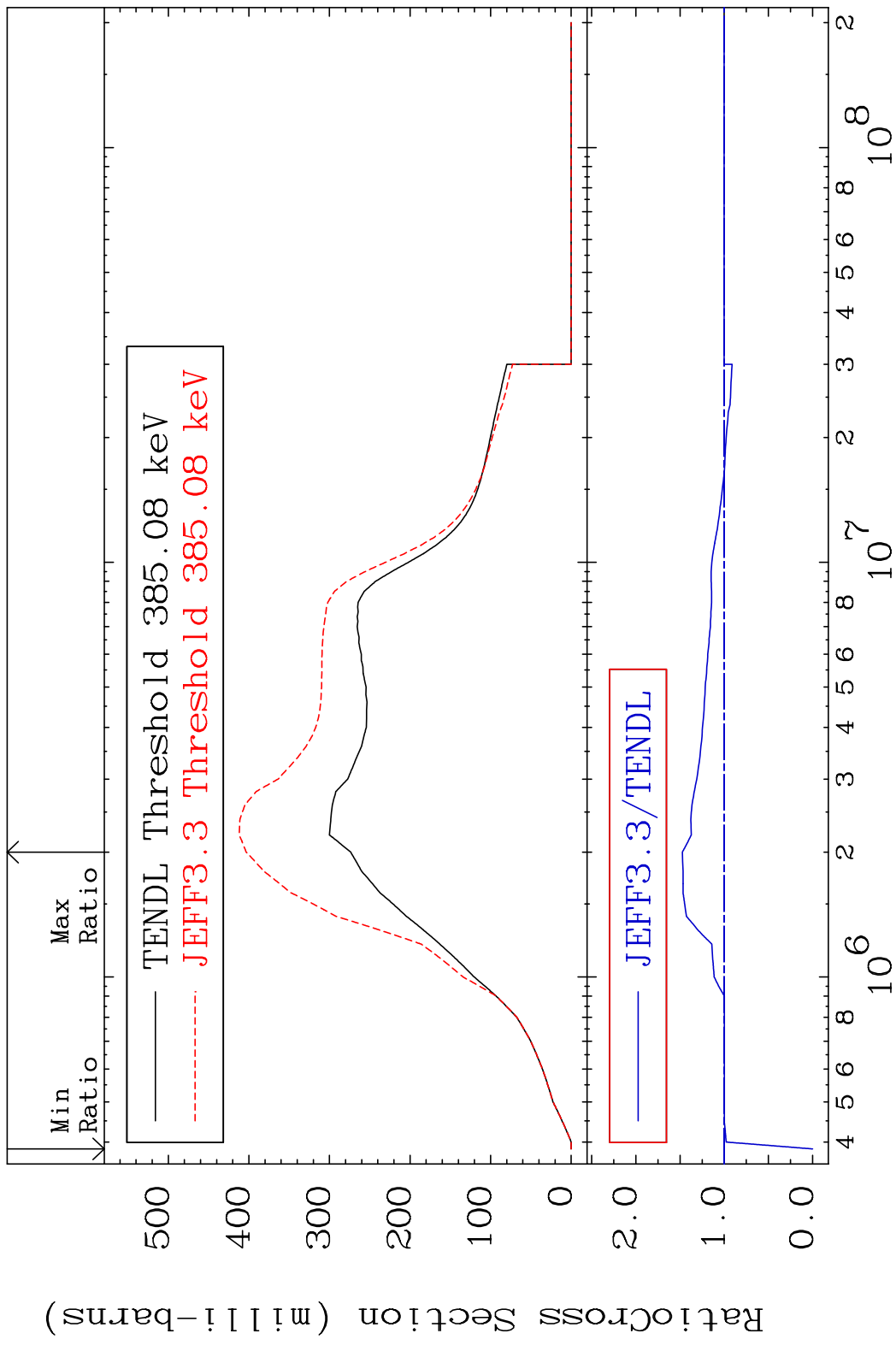
70 Incident Energy (eV) 25-Mn-52

MAT 2516 Inelastic: 25-Mn-52 25-Mn-52  
 Radionuclide Production Cross Section 12.341 d10 0.148 %

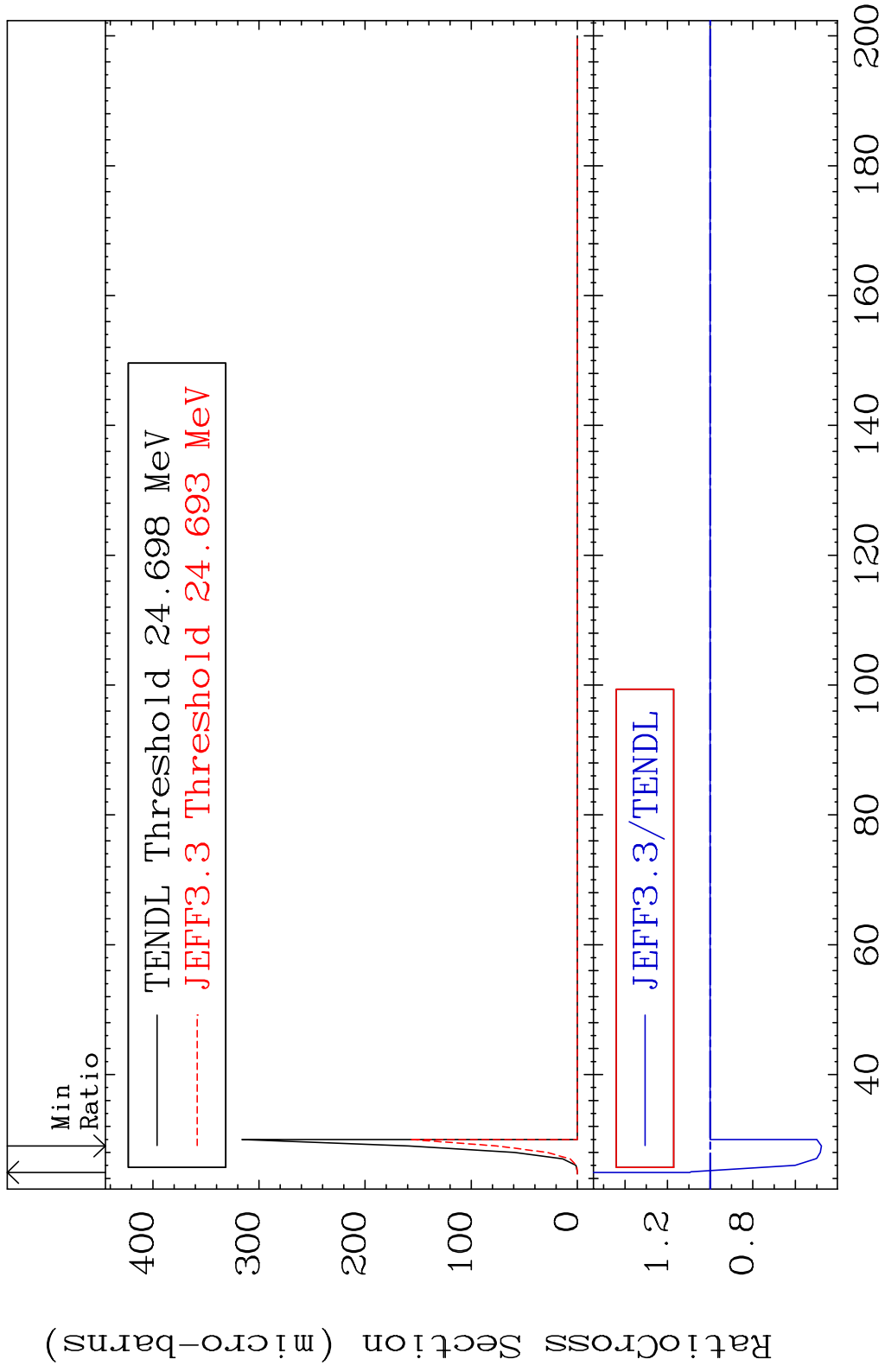


71 Incident Energy (eV) 25-Mn-52

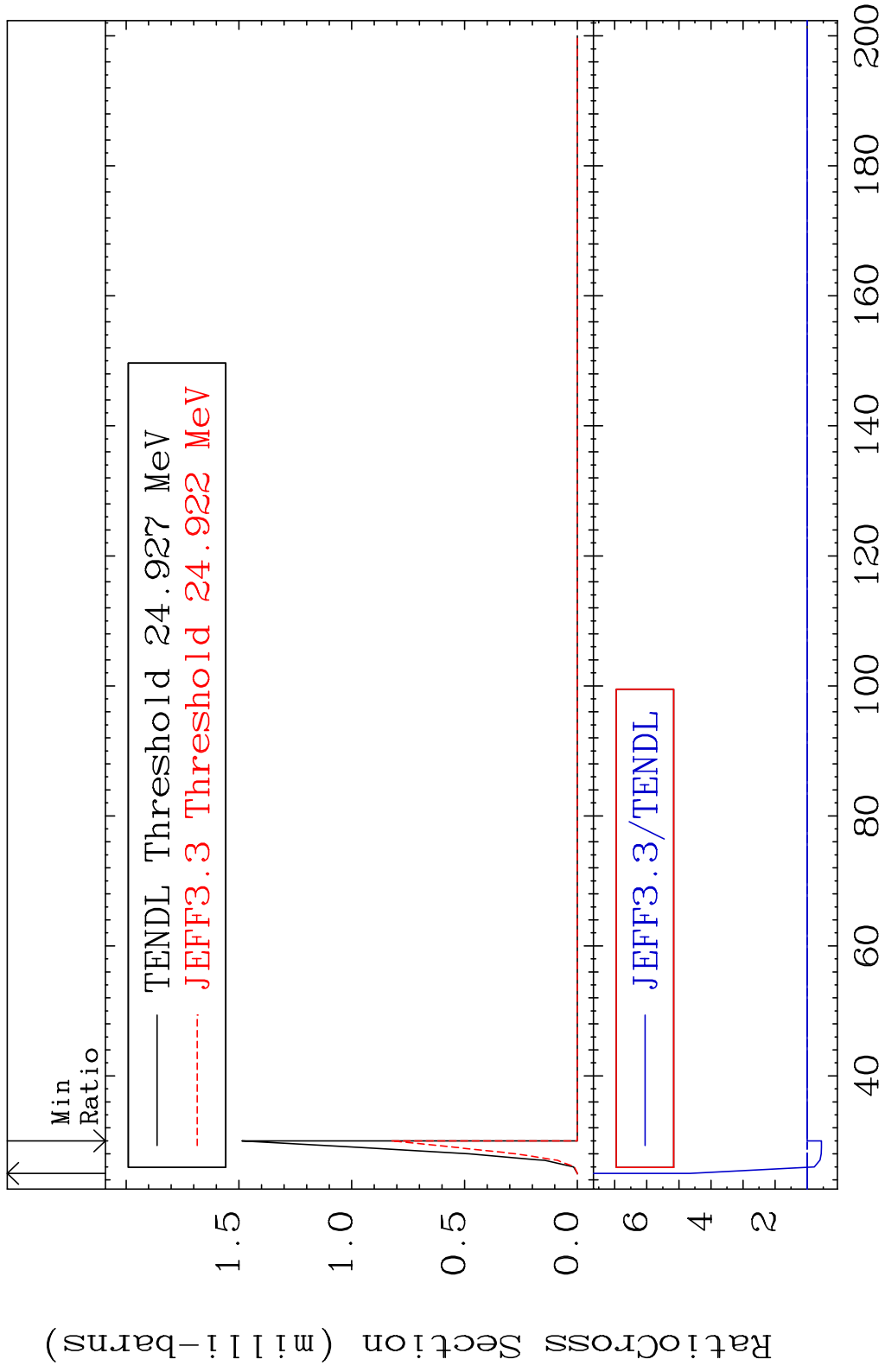


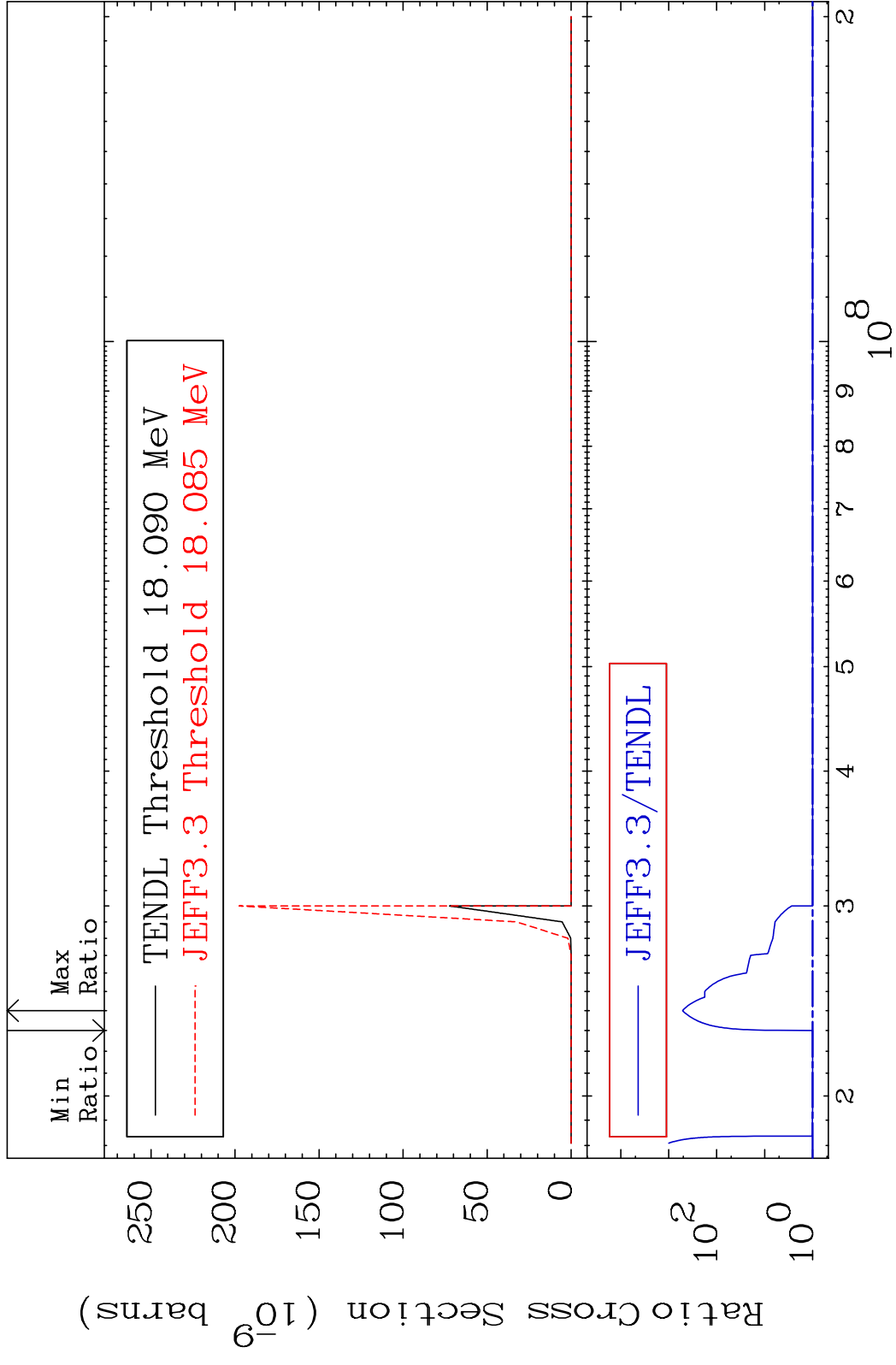


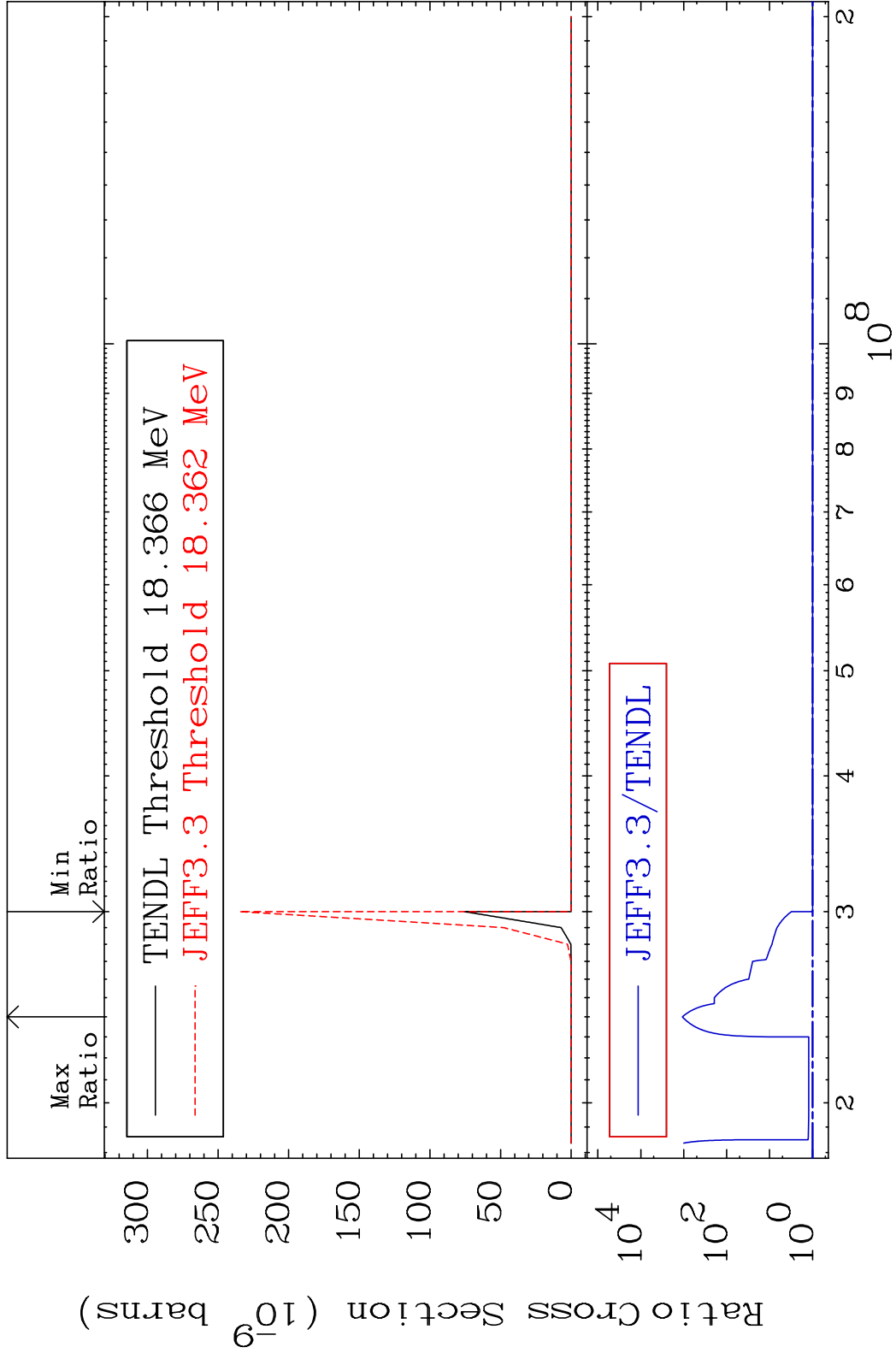
MAT 2516 (n,3n):25-Mn-50g 25-Mn-52  
 Radionuclide Production Cross Section 52.582516 9.582 %



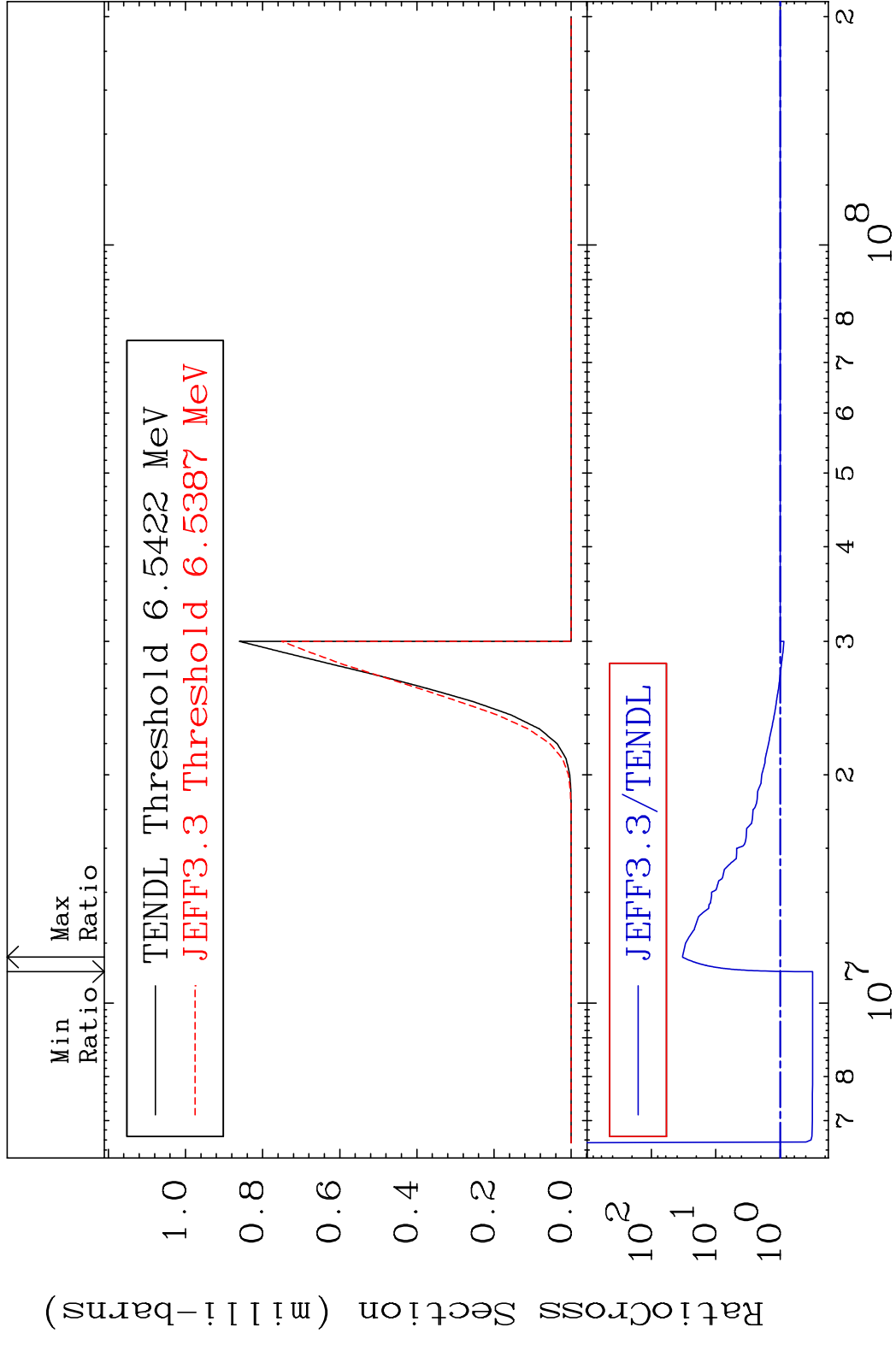
MAT 2516 (n,3n):25-Mn-50m1 25-Mn-52  
 Radionuclide Production Cross Section 45.110 366.0 %







MAT 2516 (n,2α):21-Sc-45g 25-Mn-52  
 Radionuclide Production Cross Section 686681 d10 3207. %



MAT 2516 (n,2α):21-Sc-45m1 25-Mn-52  
 Radionuclide Production Cross Section 180.01 d10 3487. %

