

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

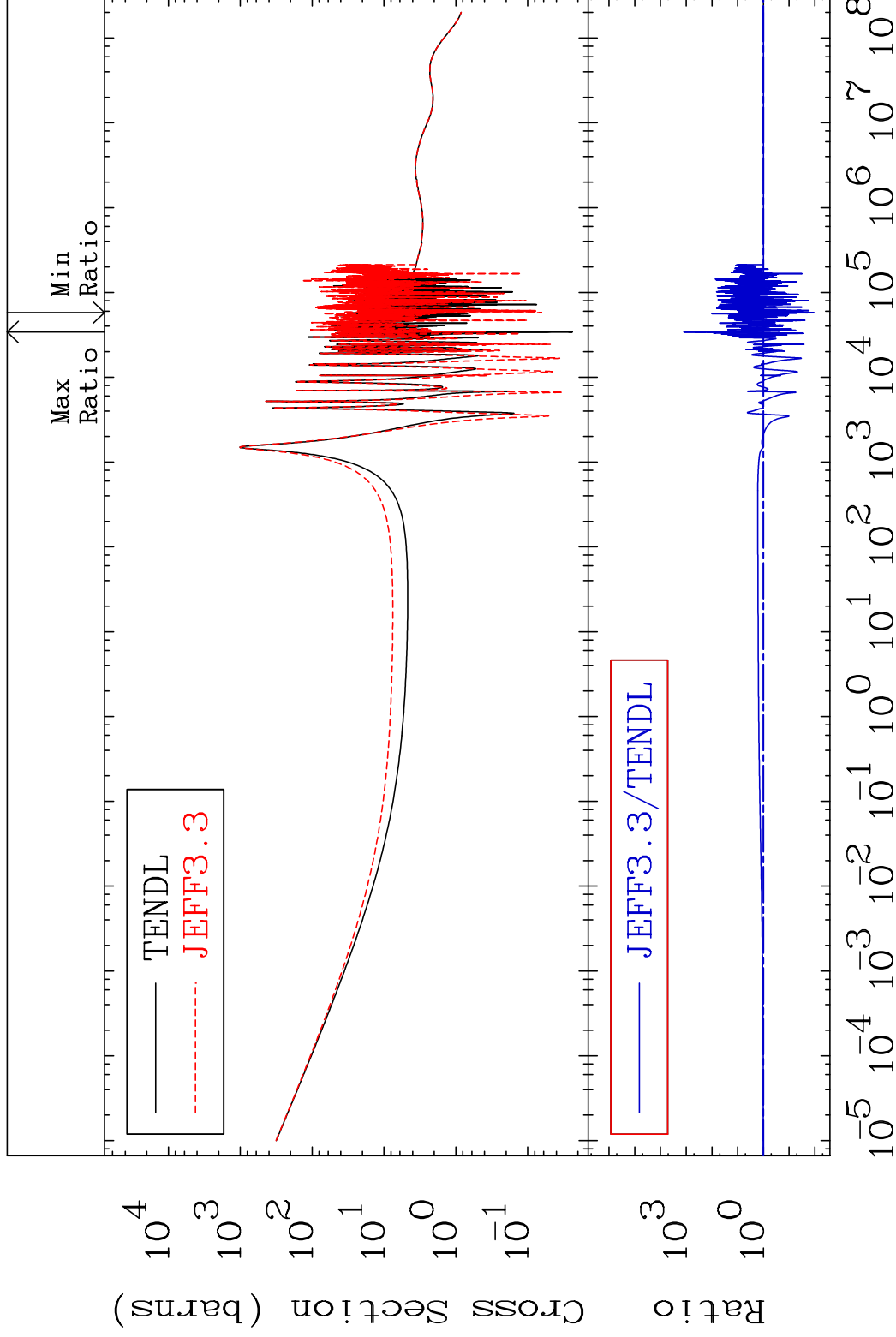
MAT 2034

Total

20-Ca-43

Cross Section

-98.93 To 9999. %



1

Incident Energy (eV)

20-Ca-43

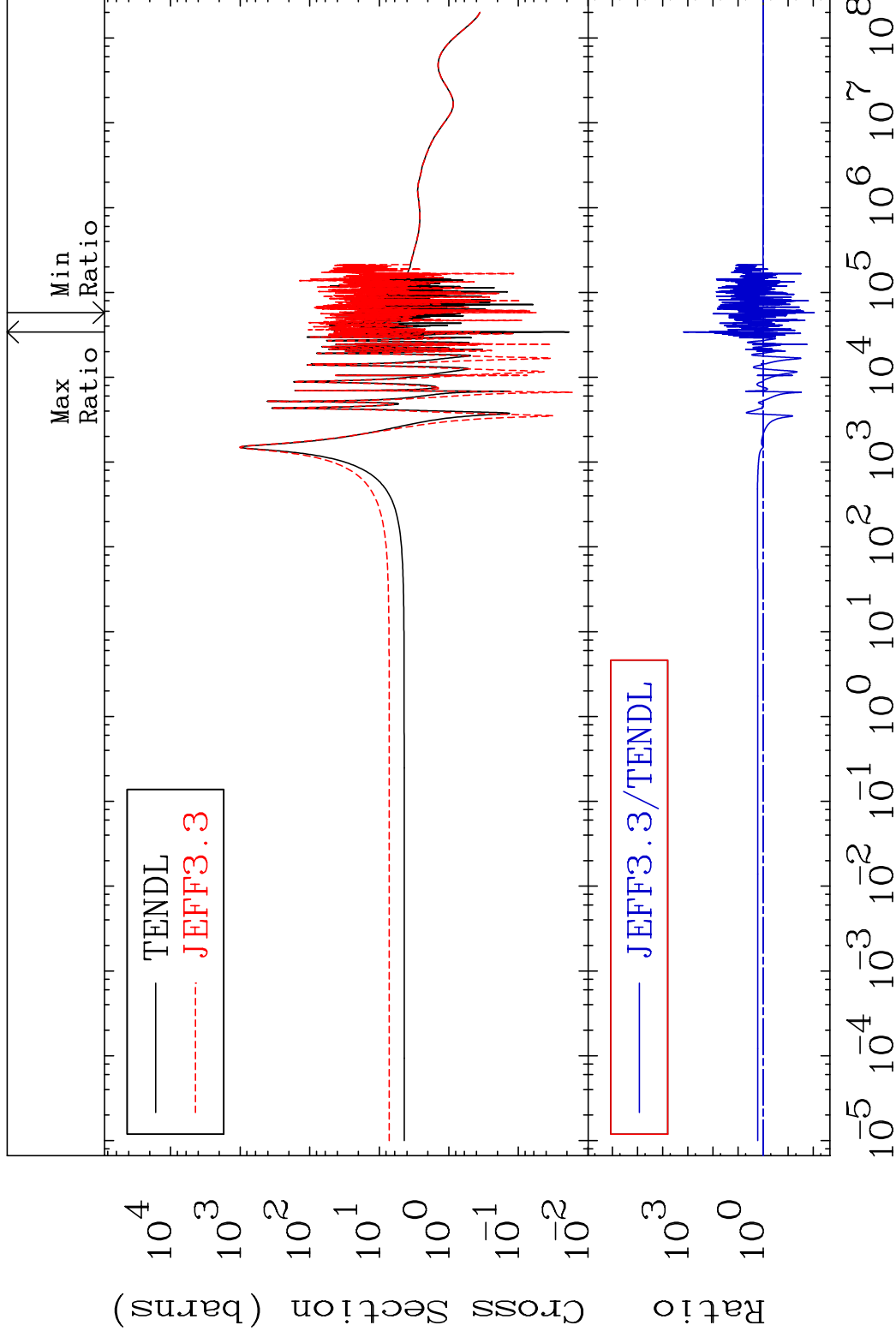
MAT 2034

Elastic

20-Ca-43

Cross Section

-99.07 To 9999. %



2

Incident Energy (eV)

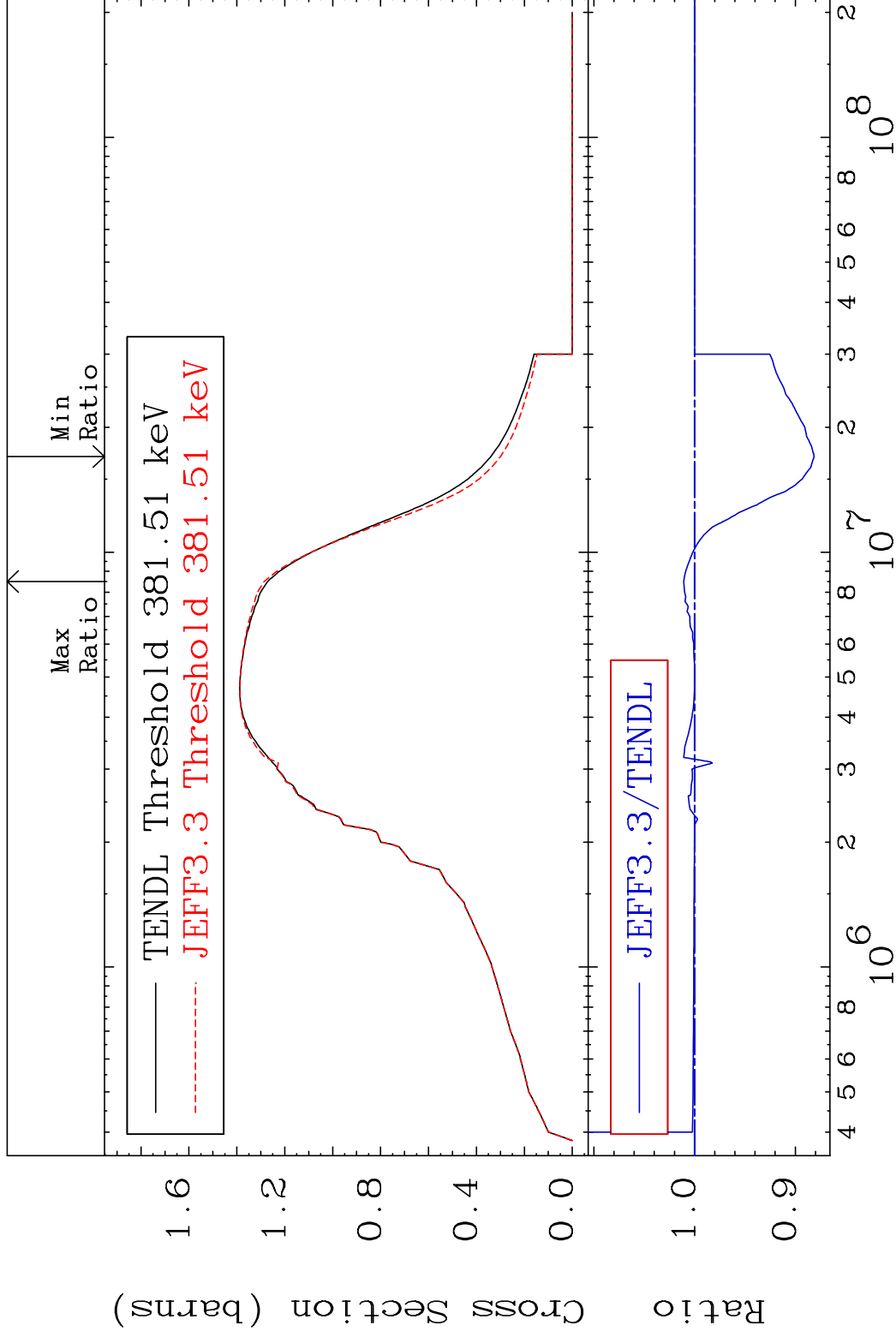
20-Ca-43

MAT 2034

Inelastic

20-Ca-43

Cross Section -11.86 To 1.087 %

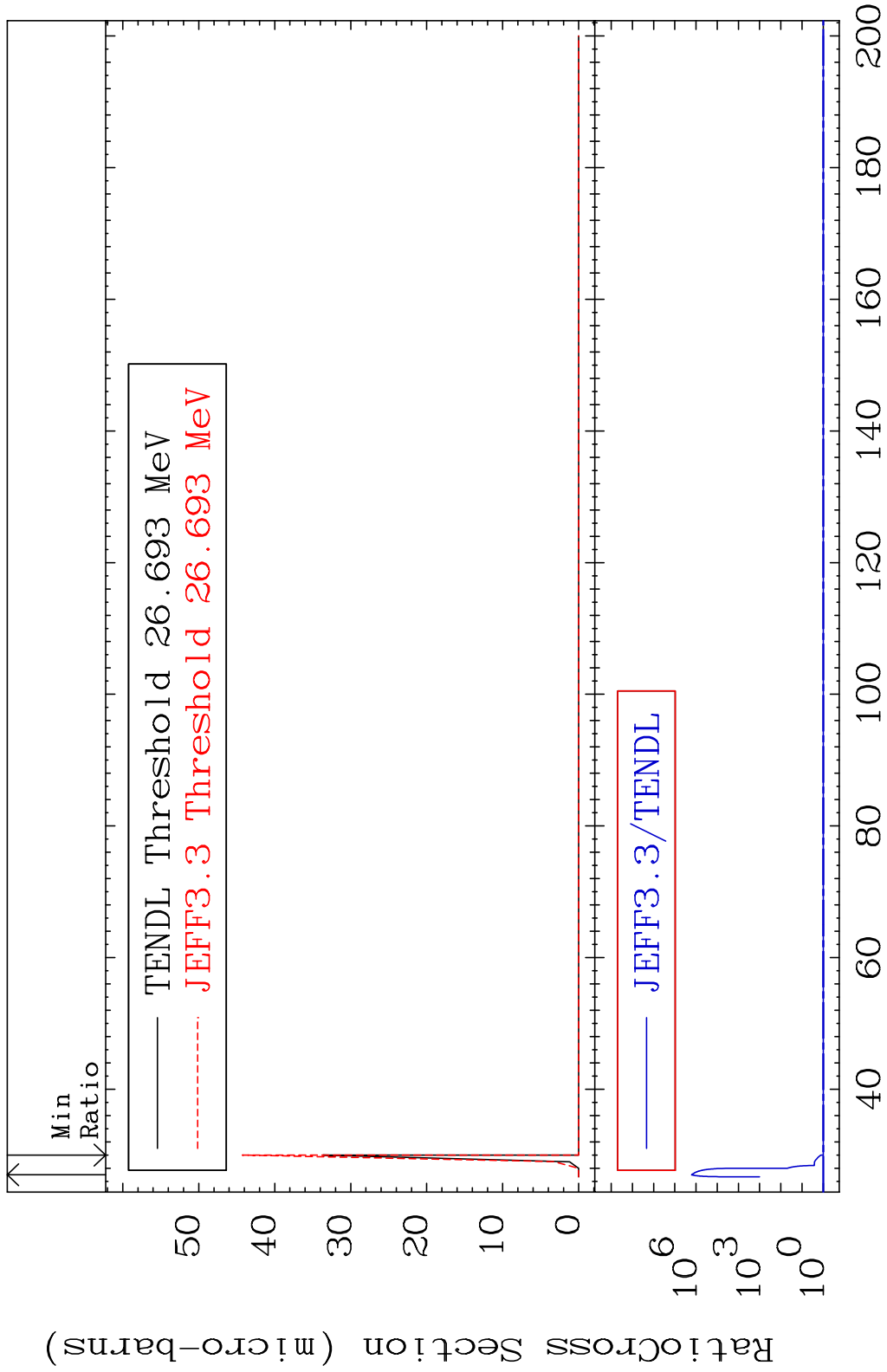


3

Incident Energy (eV)

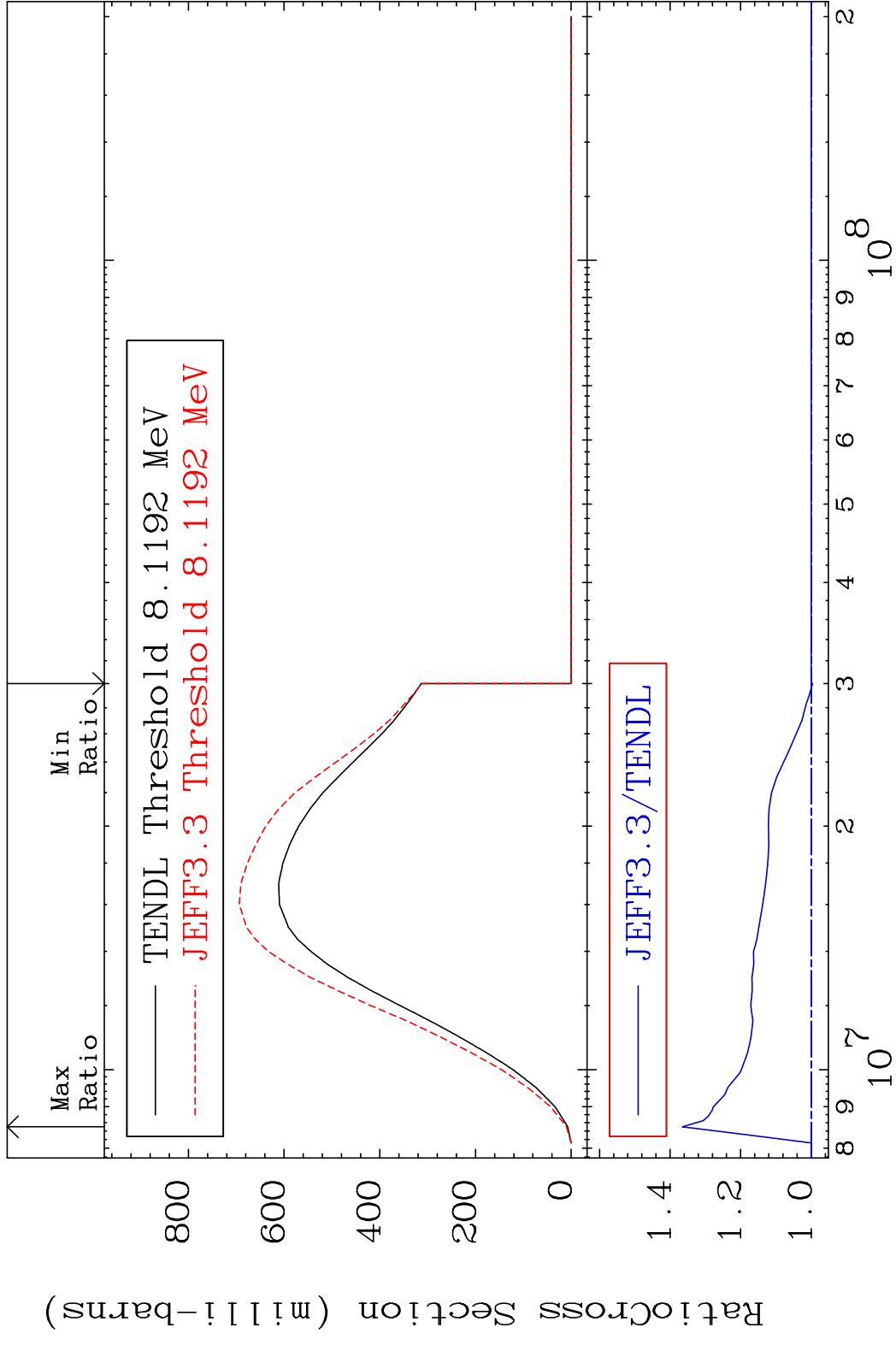
20-Ca-43

MAT 2034 (n,2n) d 20-Ca-43  
Cross Section 0.000 To 9999. %



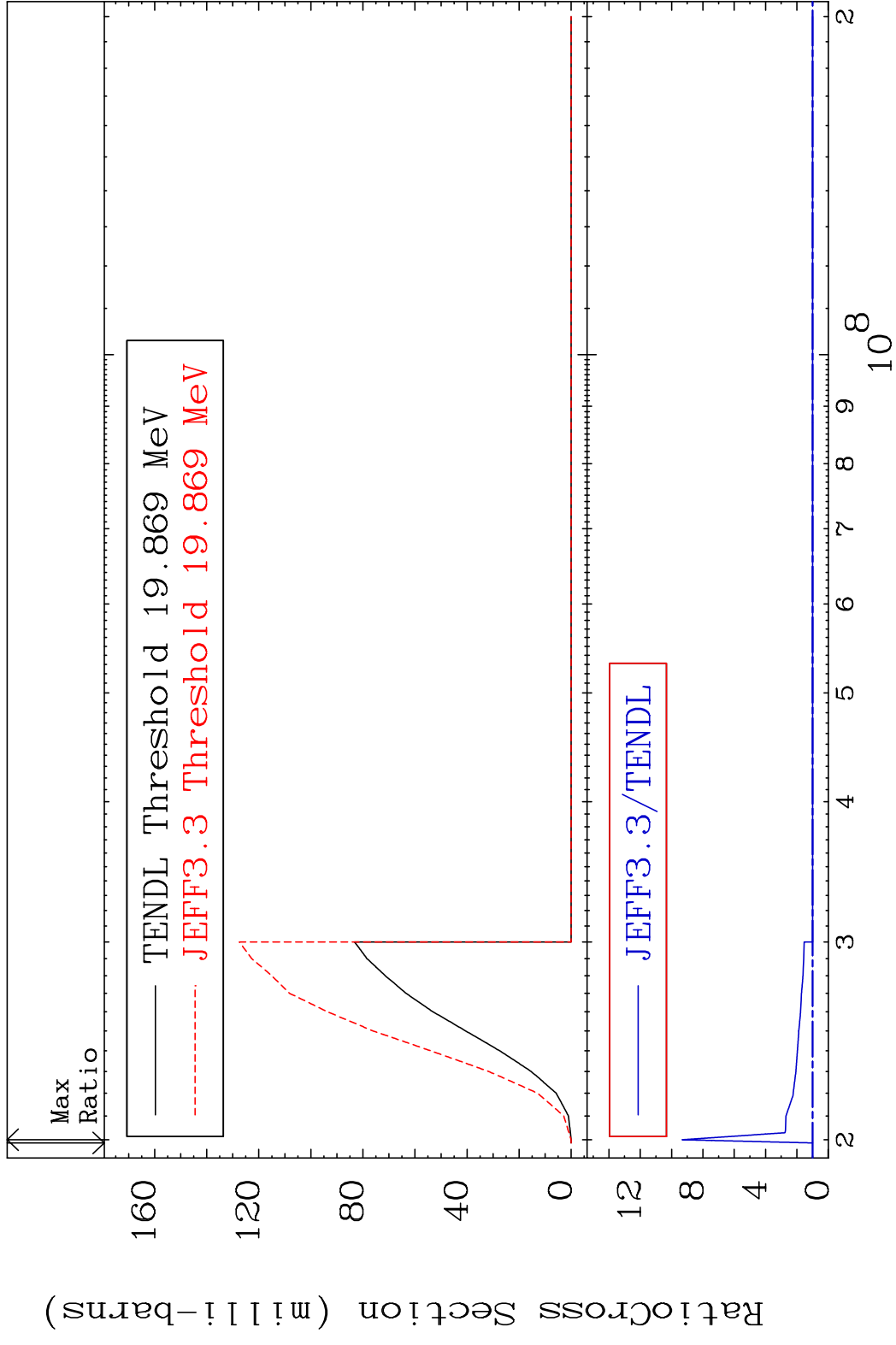
4 Incident Energy (MeV) 20-Ca-43

MAT 2034 (n,2n) 20-Ca-43  
 Cross Section -0.394 To 36.52 %



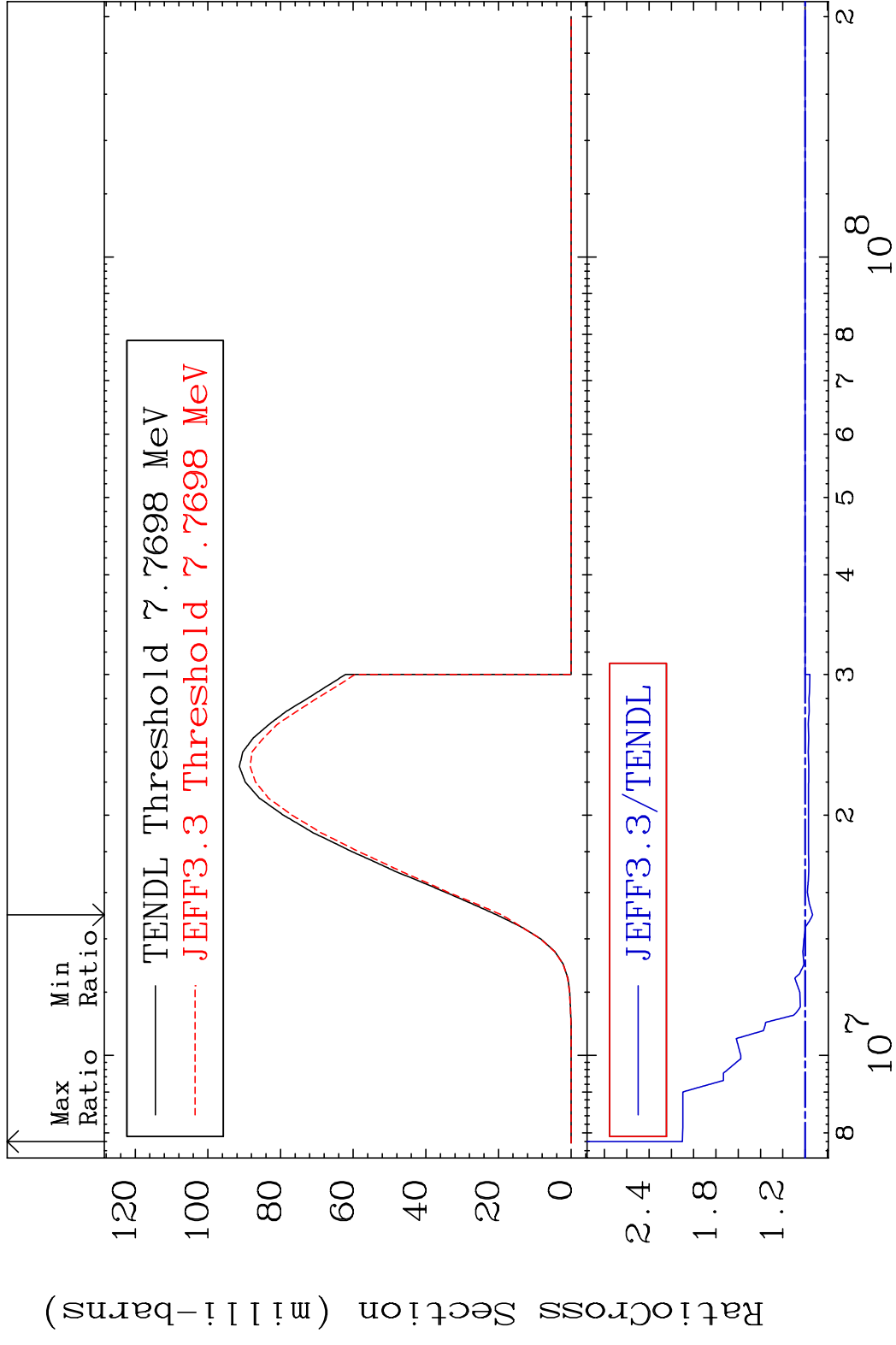
5 Incident Energy (eV) 20-Ca-43

MAT 2034 (n,3n) 20-Ca-43  
 Cross Section 0.000 To 831.1 %



6 20-Ca-43

MAT 2034 (n, n')  $\alpha$  20-Ca-43  
 Cross Section -6.668 To 110.1 %



7 8 10<sup>7</sup> 10<sup>8</sup> 20-Ca-43

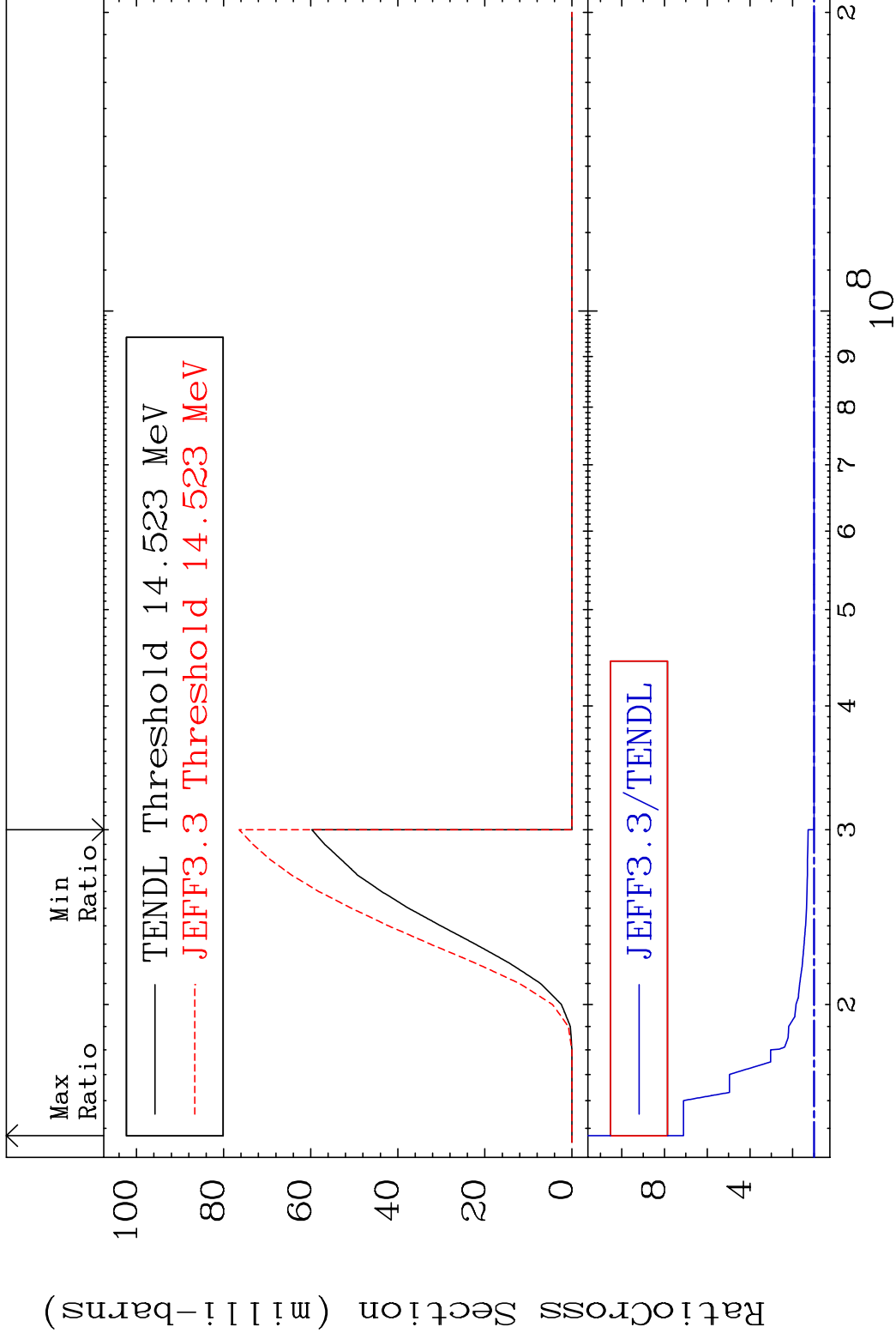


MAT 2034

(n,2n)  $\alpha$

20-Ca-43

Cross Section 0.000 To 611.4 %

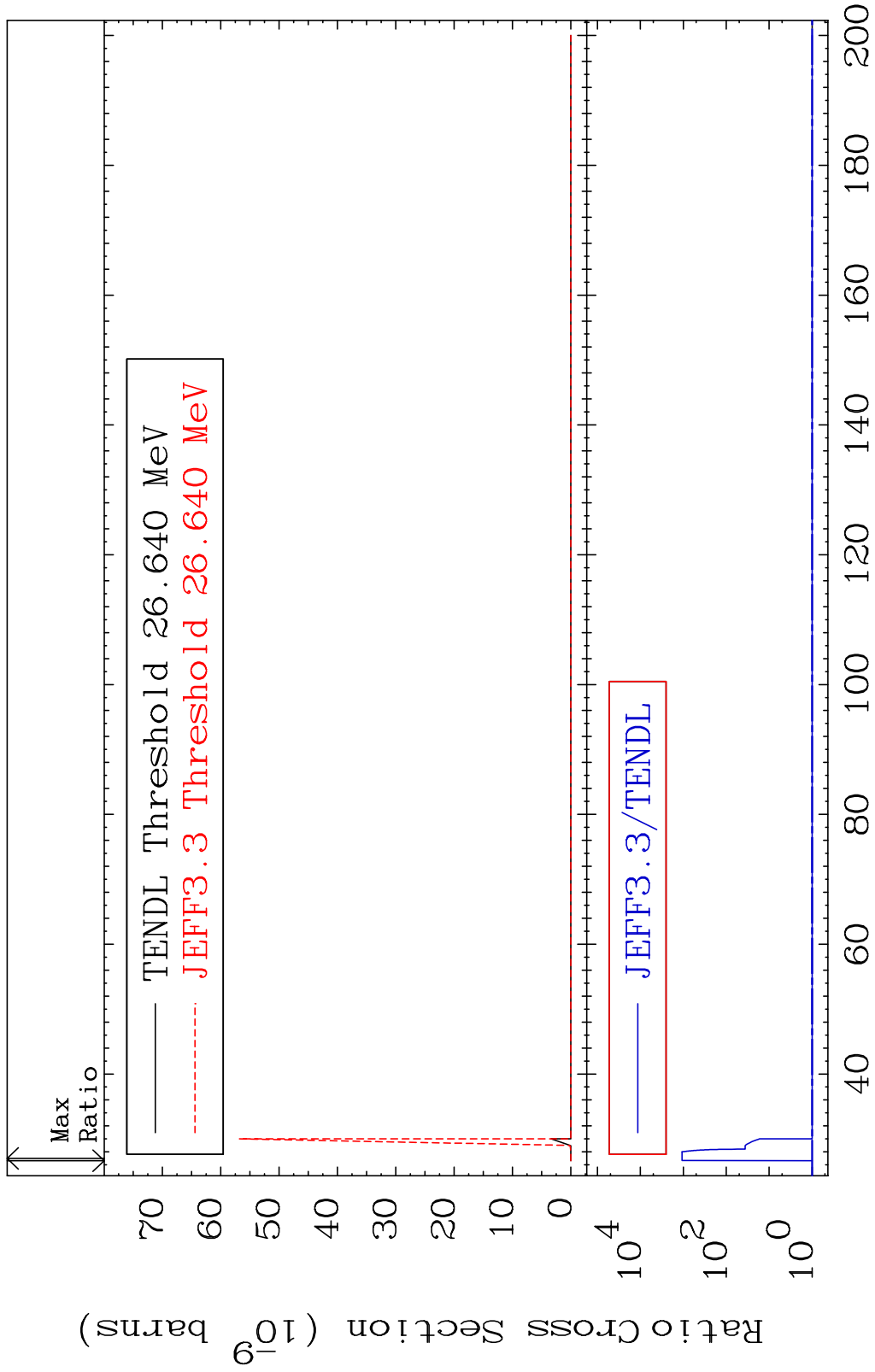


8

Incident Energy (eV)

20-Ca-43

MAT 2034 (n,3n)  $\alpha$  20-Ca-43  
 Cross Section 0.000 To 9999. %

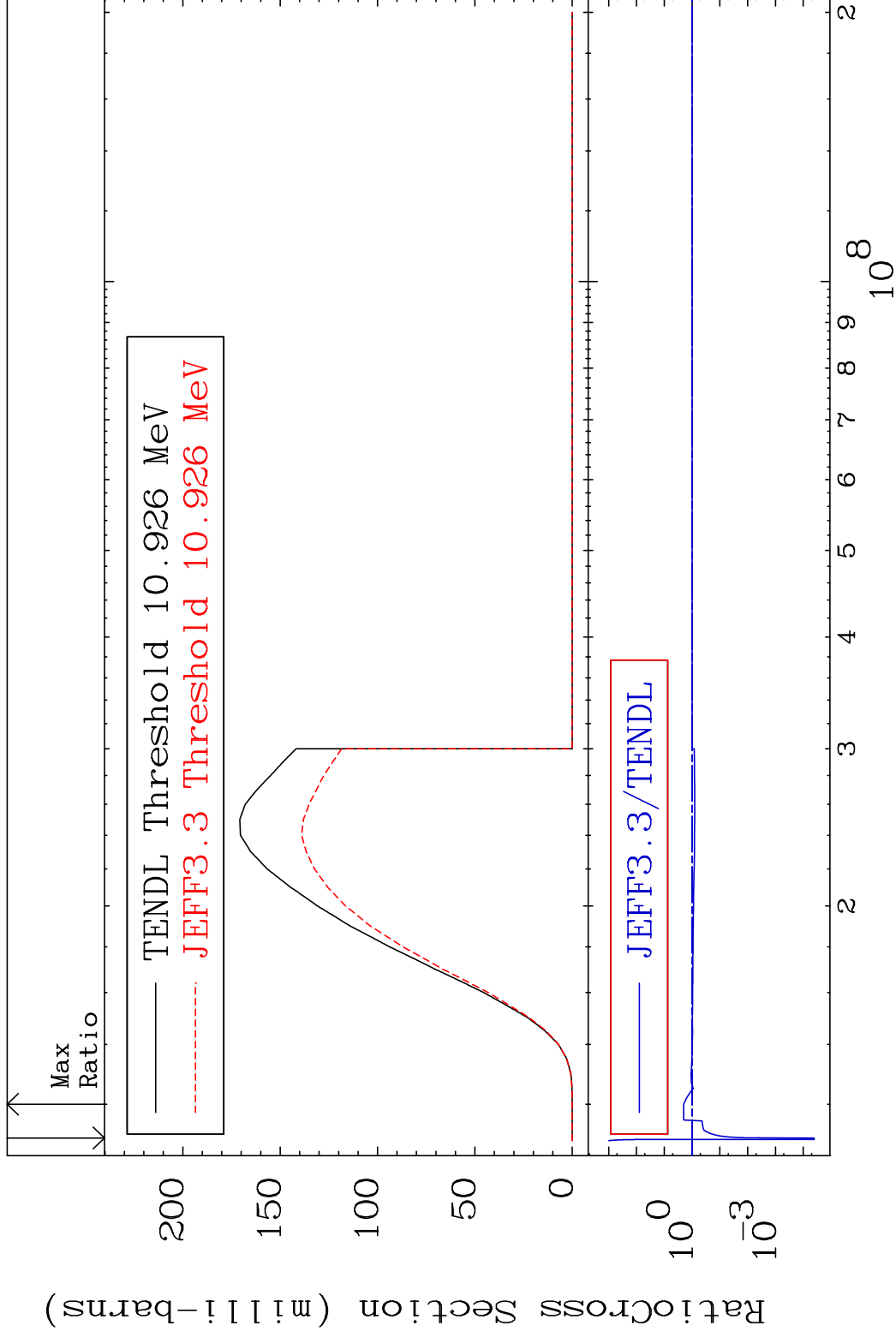


MAT 2034

(n, n') p

20-Ca-43

Cross Section -100.0 To 100.7 %



10

Incident Energy (eV)

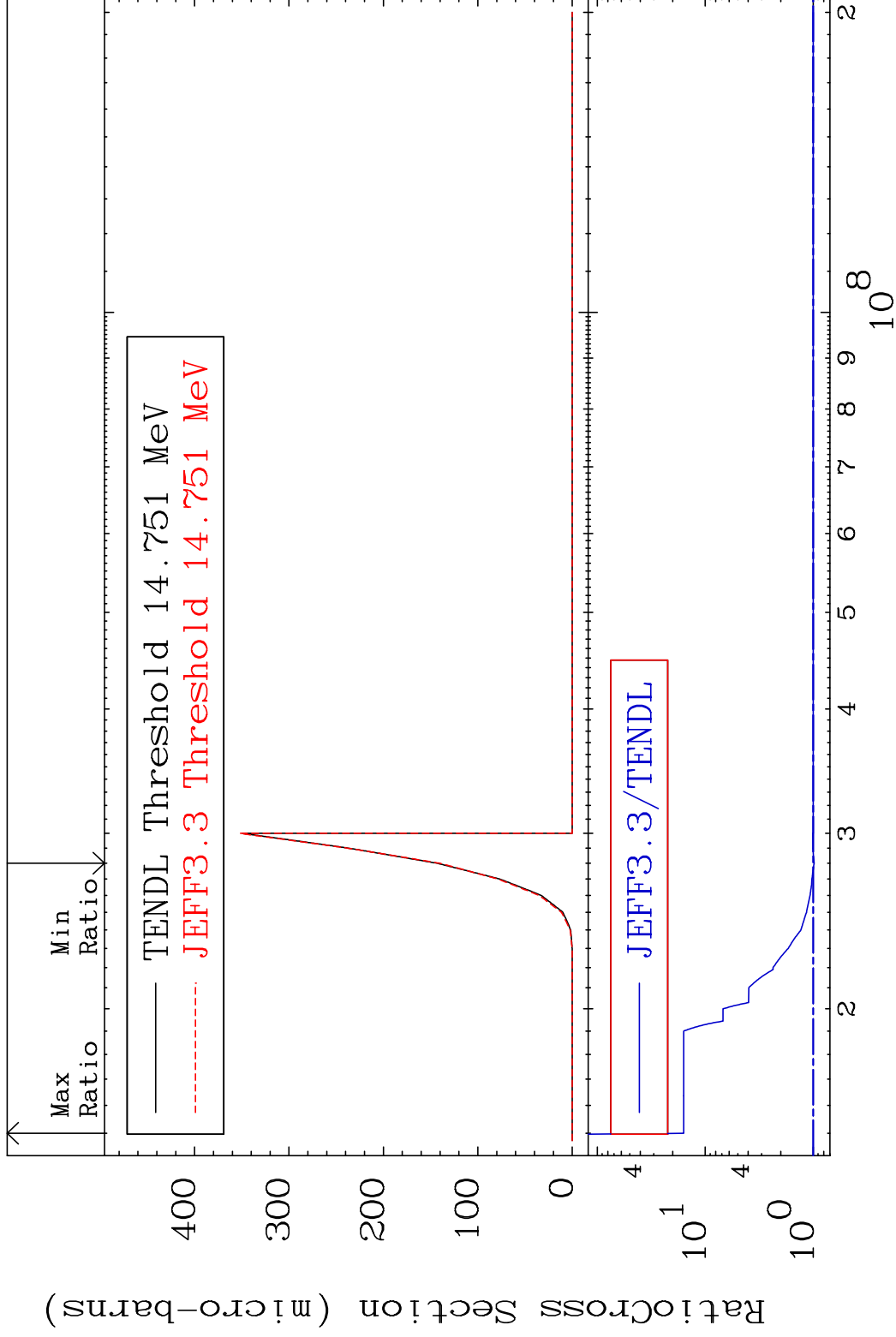
20-Ca-43

MAT 2034

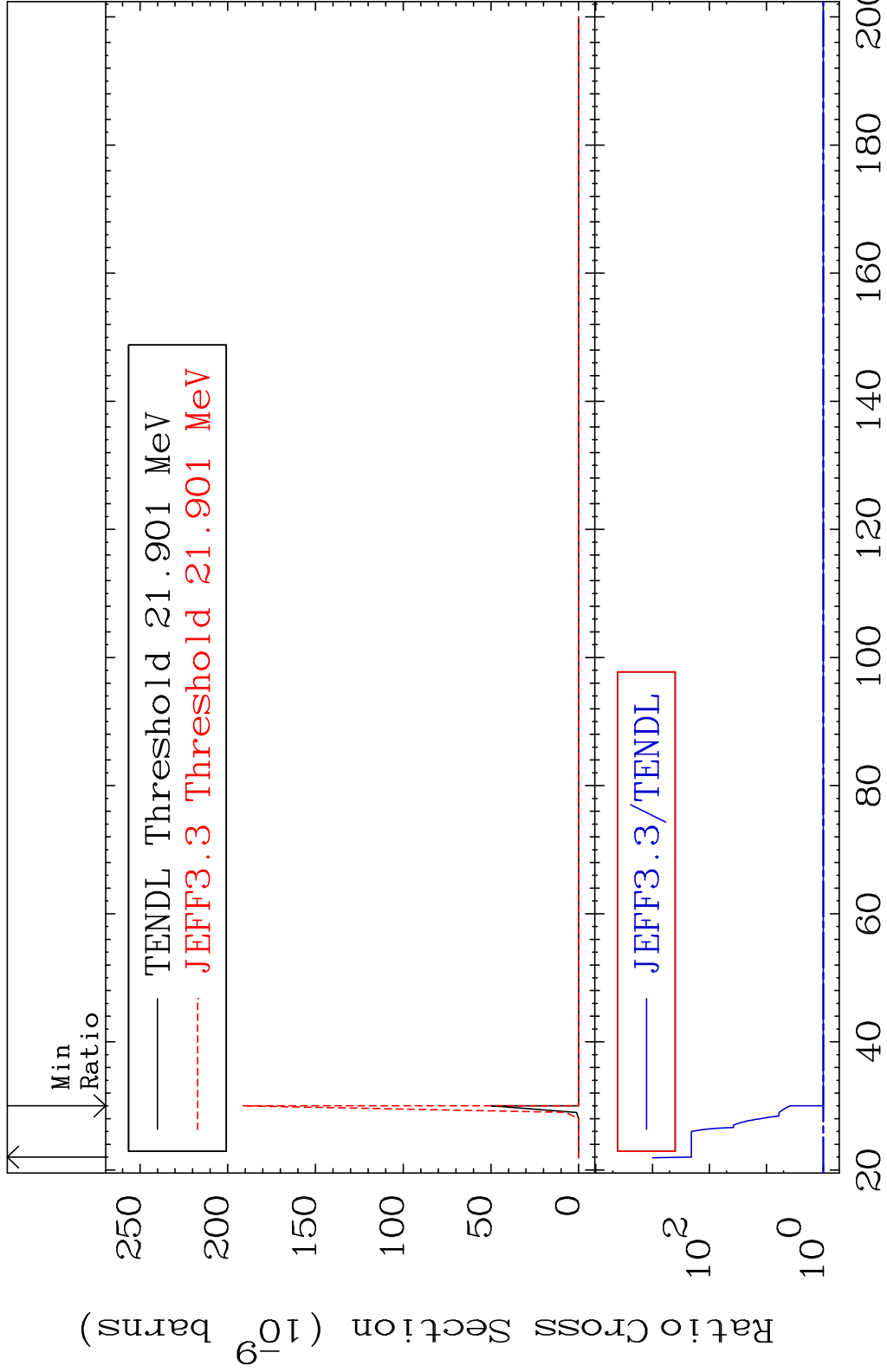
(n, n') 2α

20-Ca-43

Cross Section -1.931 To 1484. %



MAT 2034 (n,2n) 2α 20-Ca-43  
 Cross Section 0.000 To 9999. %

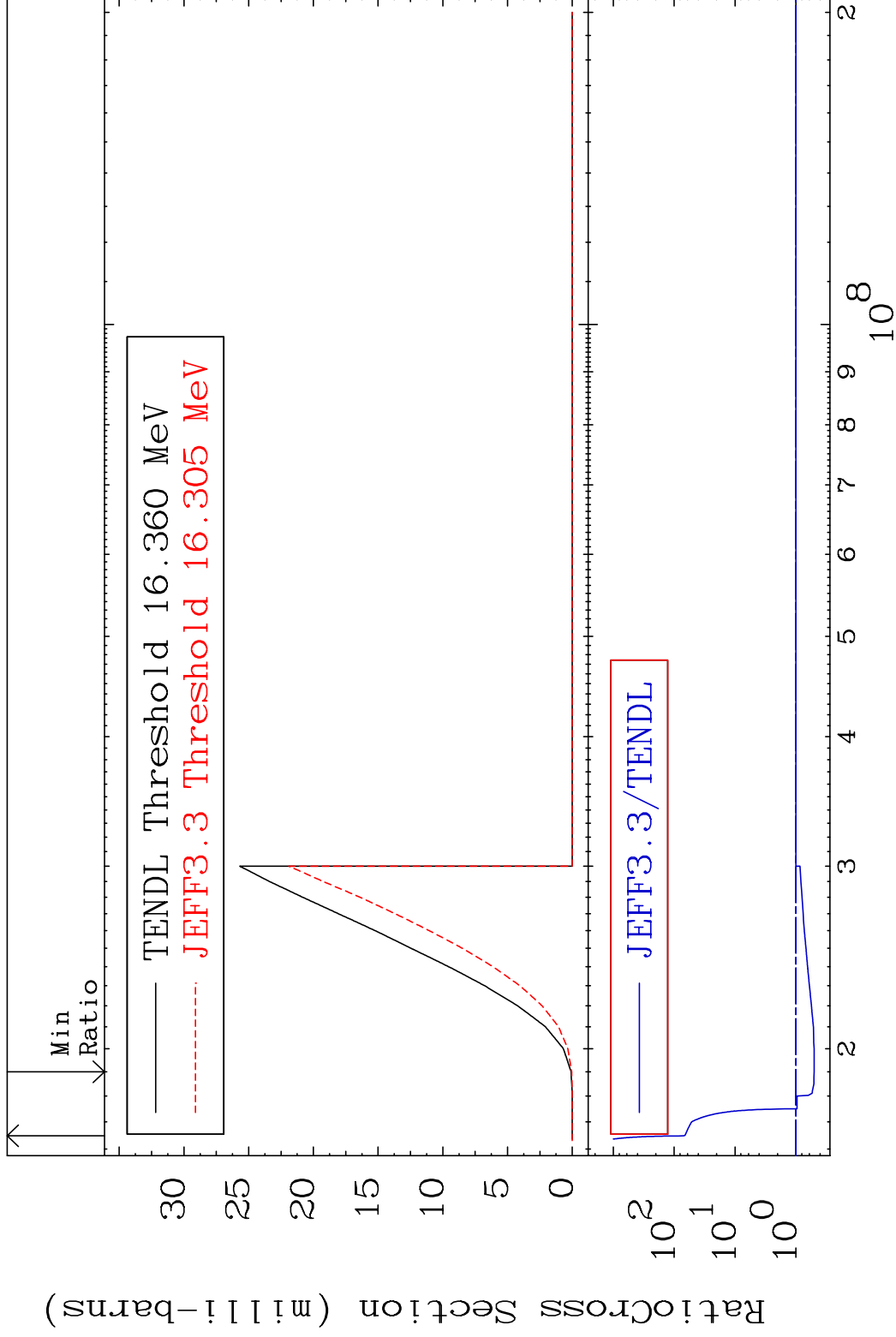


MAT 2034

(n, n') d

20-Ca-43

Cross Section -49.94 To 6883. %



13

Incident Energy (eV)

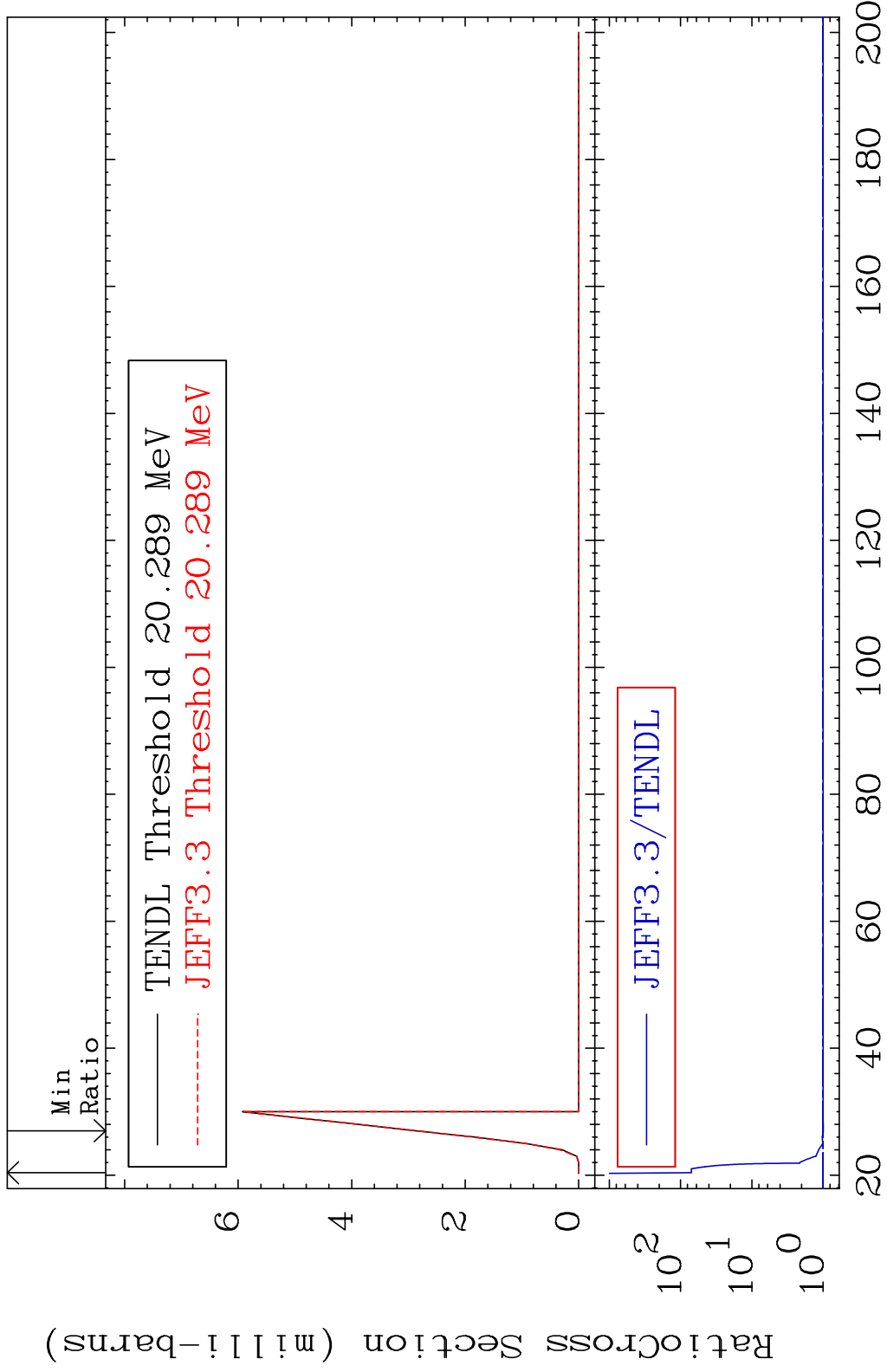
20-Ca-43

MAT 2034

(n, n') t

20-Ca-43

Cross Section -0.610 To 6969. %



14

Incident Energy (MeV)

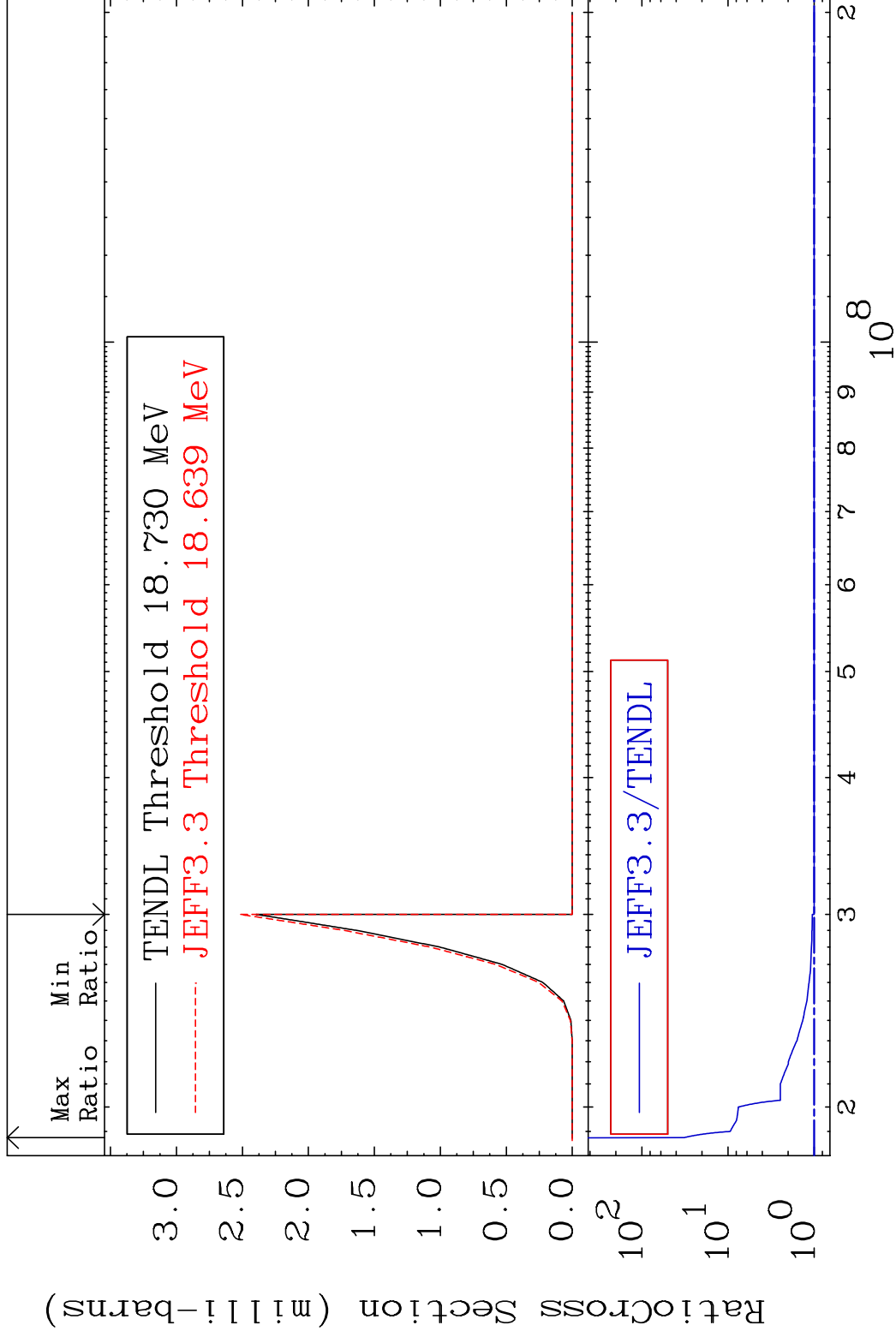
20-Ca-43

MAT 2034

(n,n') He-3

20-Ca-43

Cross Section 0.000 To 3169. %



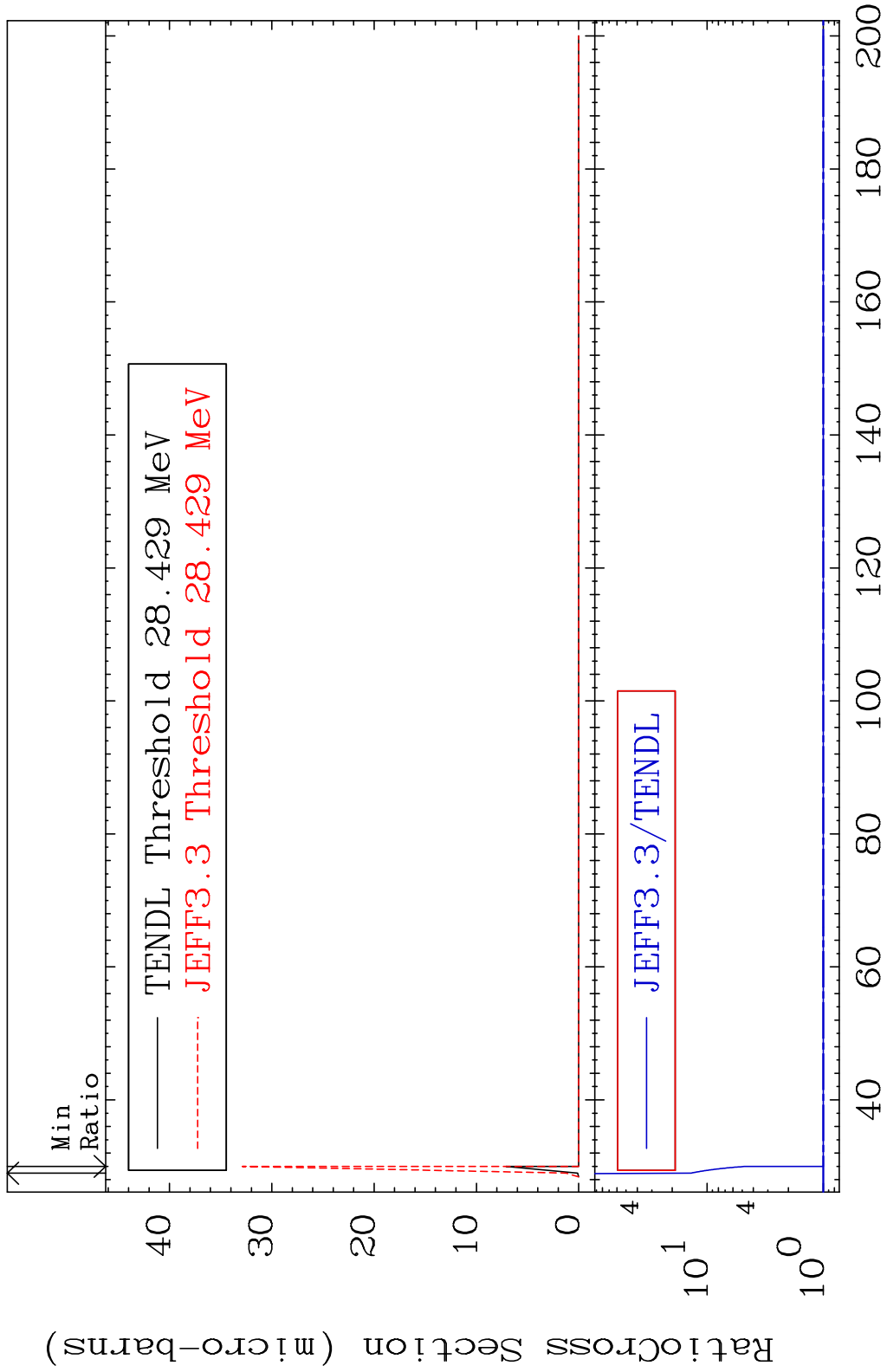
15

Incident Energy (eV)

20-Ca-43



MAT 2034 (n,4n) 20-Ca-43  
 Cross Section 0.000 To 1270. %

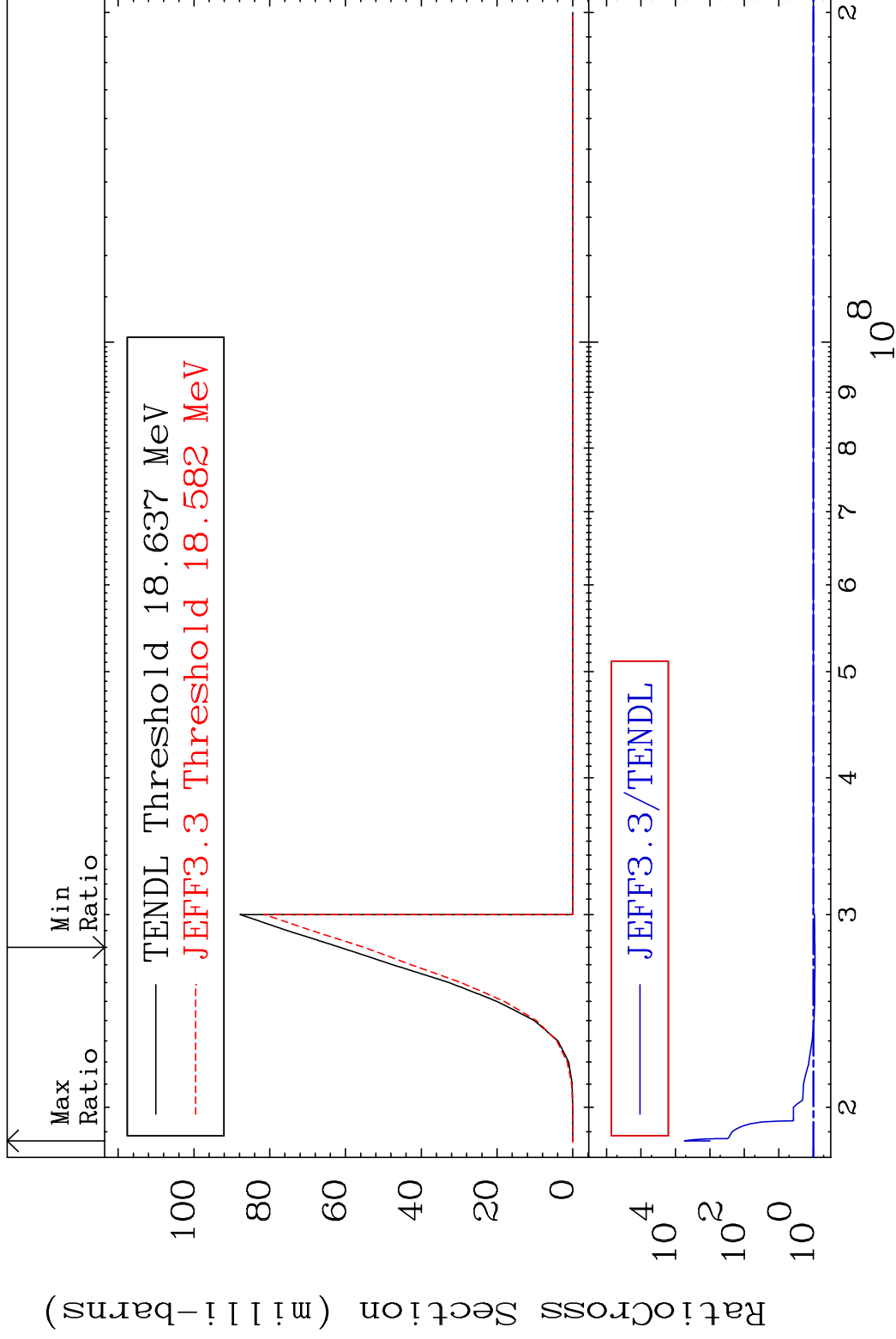


MAT 2034

(n,2n) p

20-Ca-43

Cross Section -10.31 To 9999. %

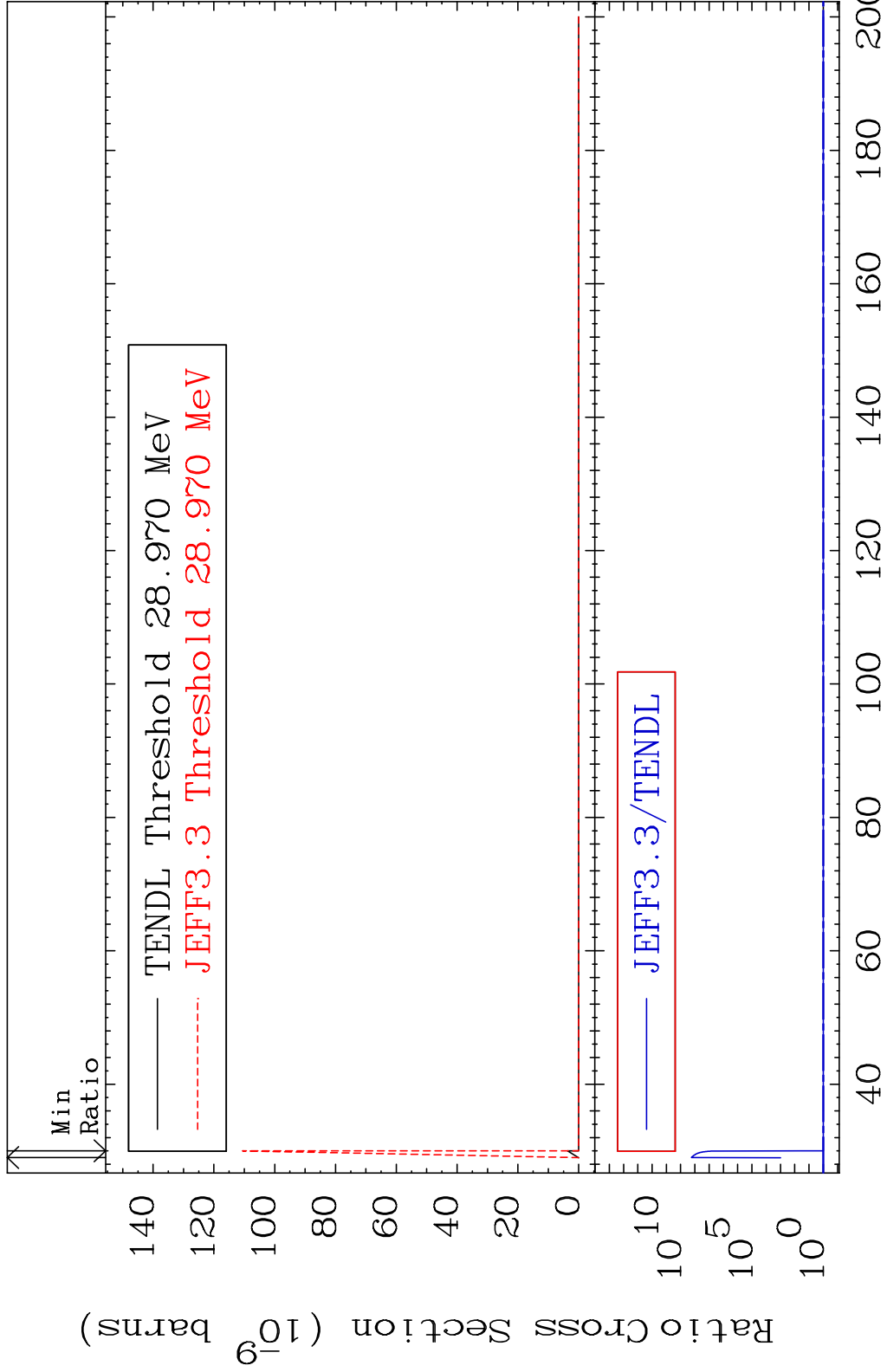


17

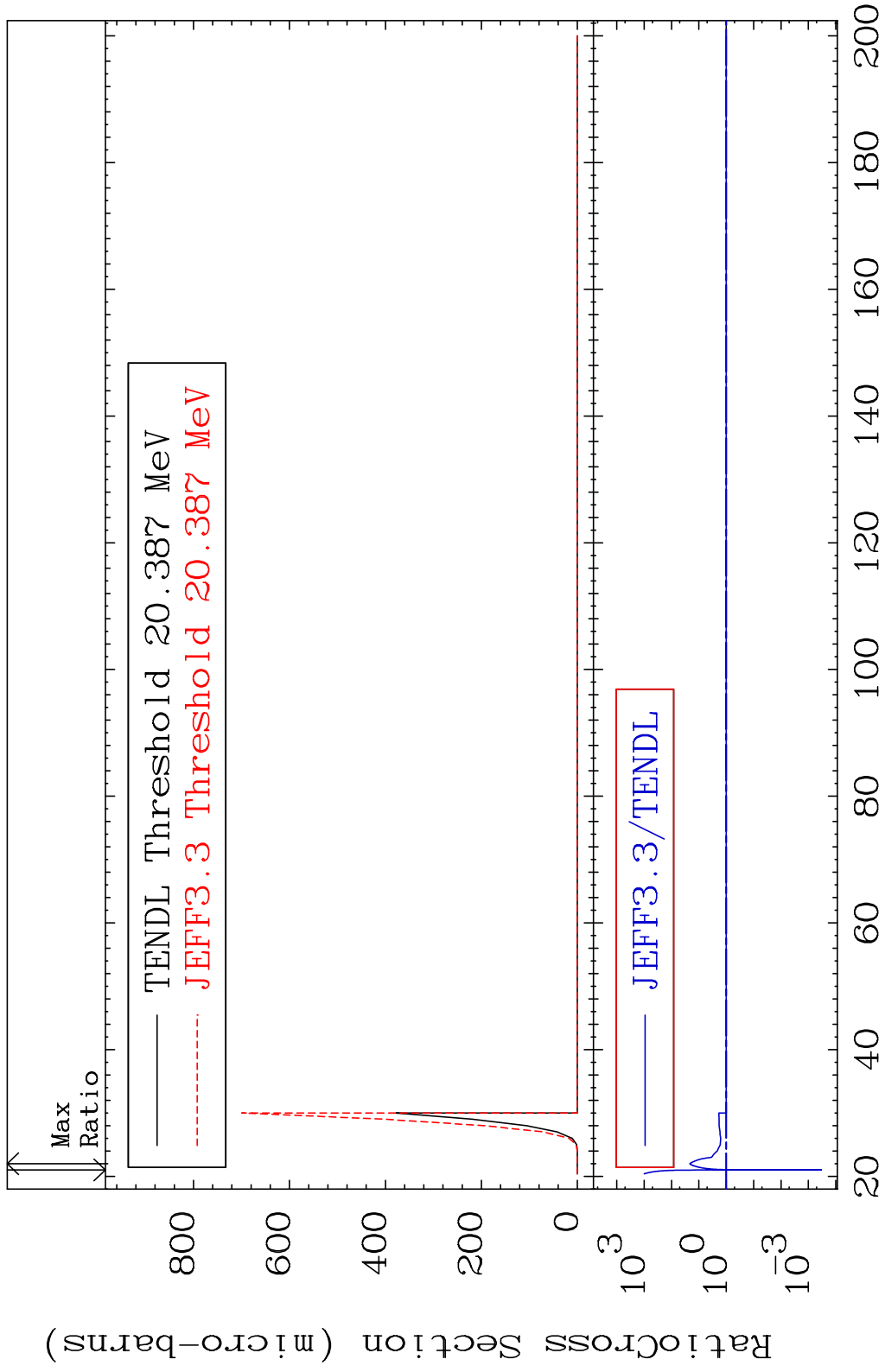
Incident Energy (eV)

20-Ca-43

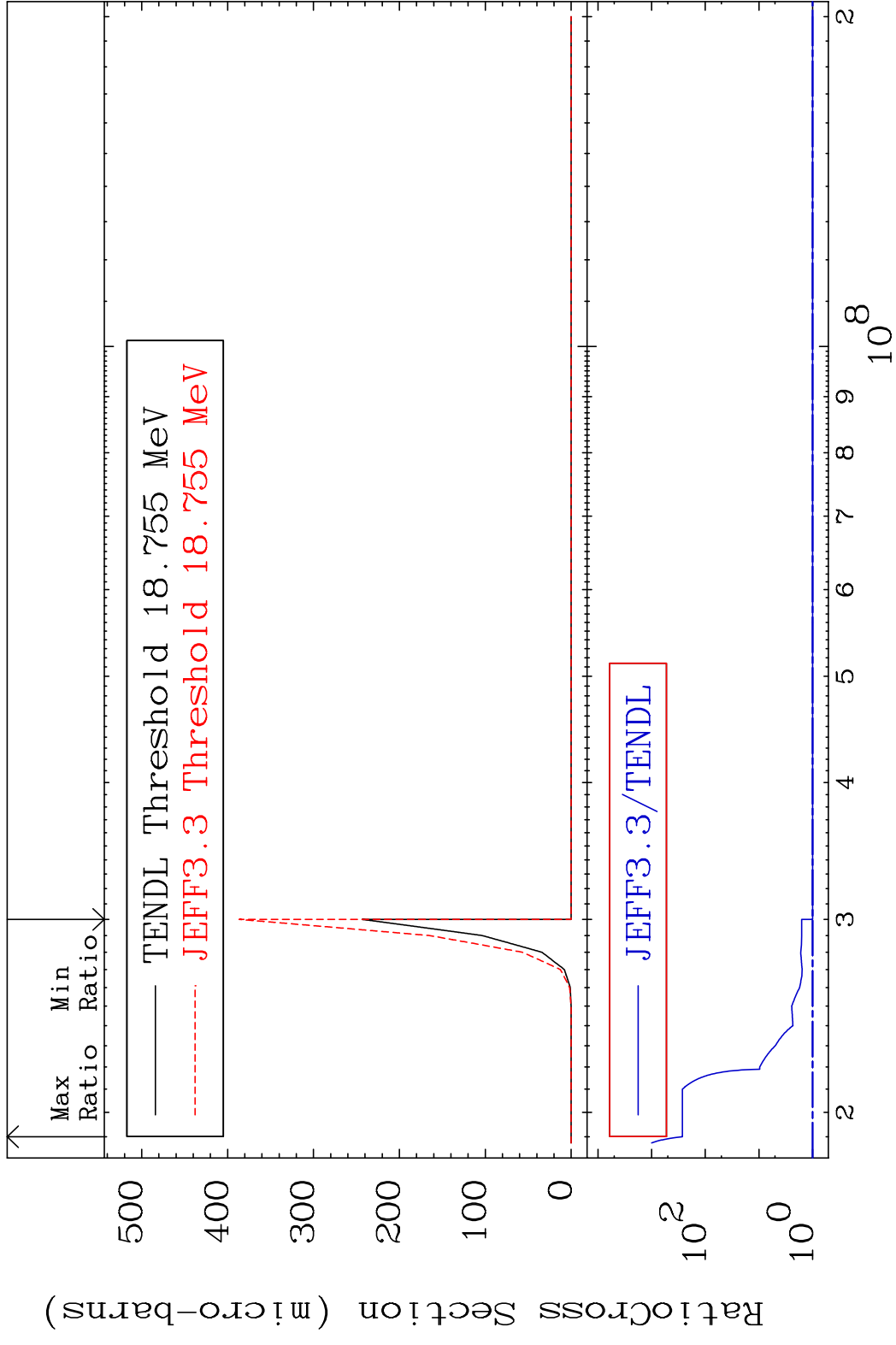
MAT 2034 (n,3n) p 20-Ca-43  
 Cross Section 0.000 To 9999. %



MAT 2034 (n,2n) p 20-Ca-43  
Cross Section -99.97 To 2051. %

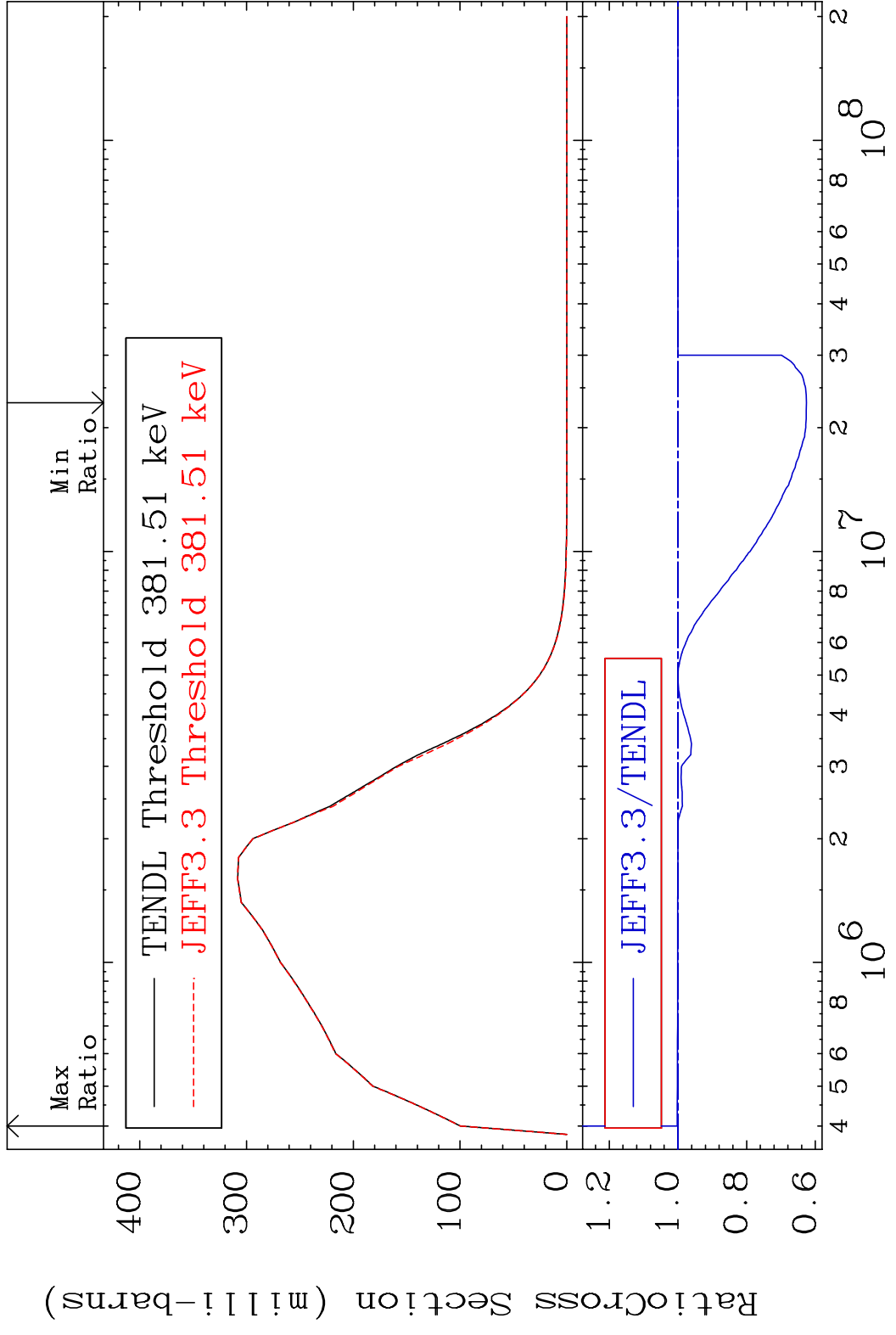


MAT 2034 (n,n') p α 20-Ca-43  
 Cross Section 0.000 To 9999. %

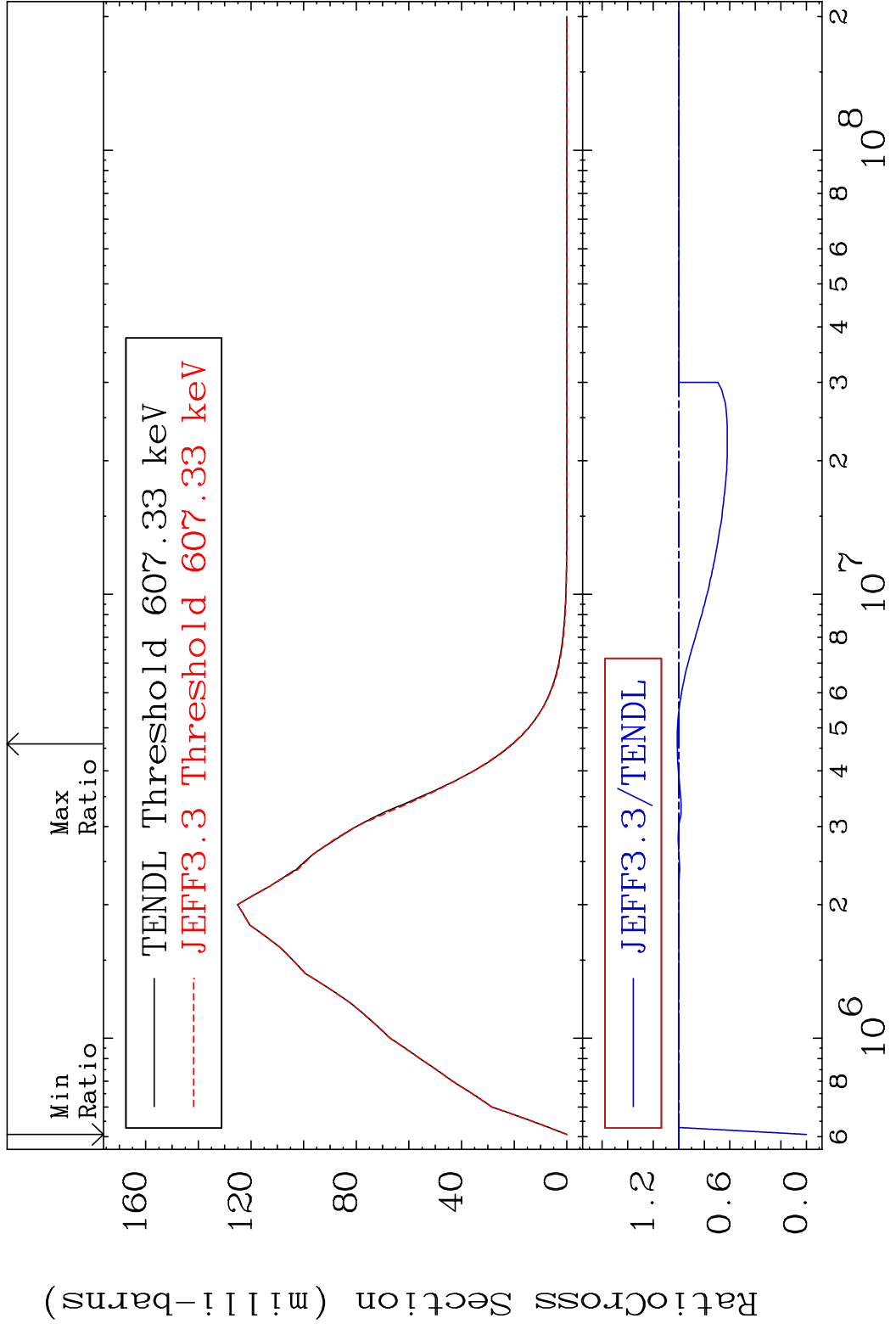


20 Incident Energy (eV) 20-Ca-43

MAT 2034 MT= 51 (n, n') Level 20-Ca-43  
 Cross Section -37.39 To 0.219 %

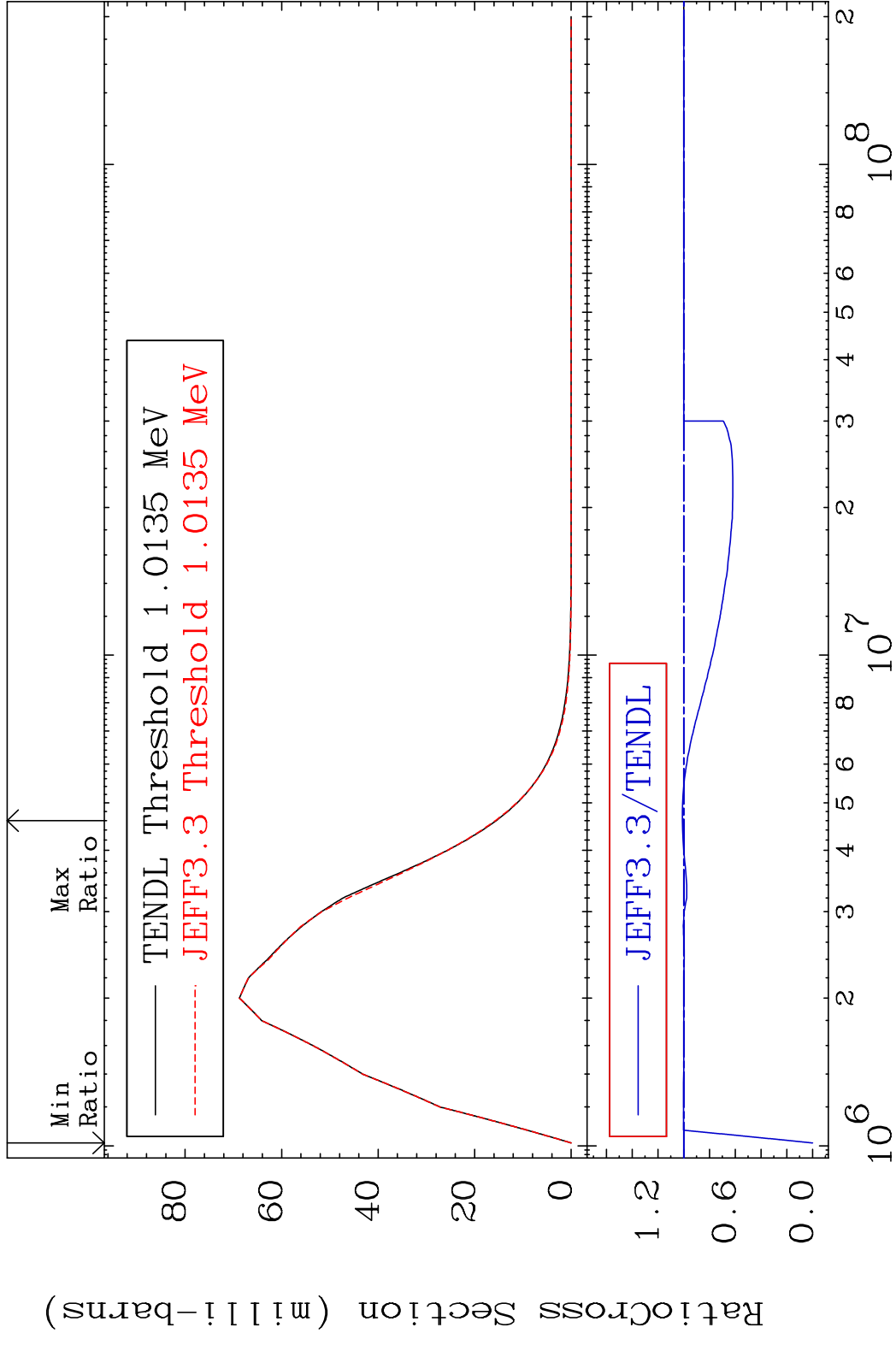


MAT 2034 MT= 52 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 1.241 %



MAT 2034

MT= 53 (n, n') Level 20-Ca-43  
Cross Section -100.0 To 1.071 %



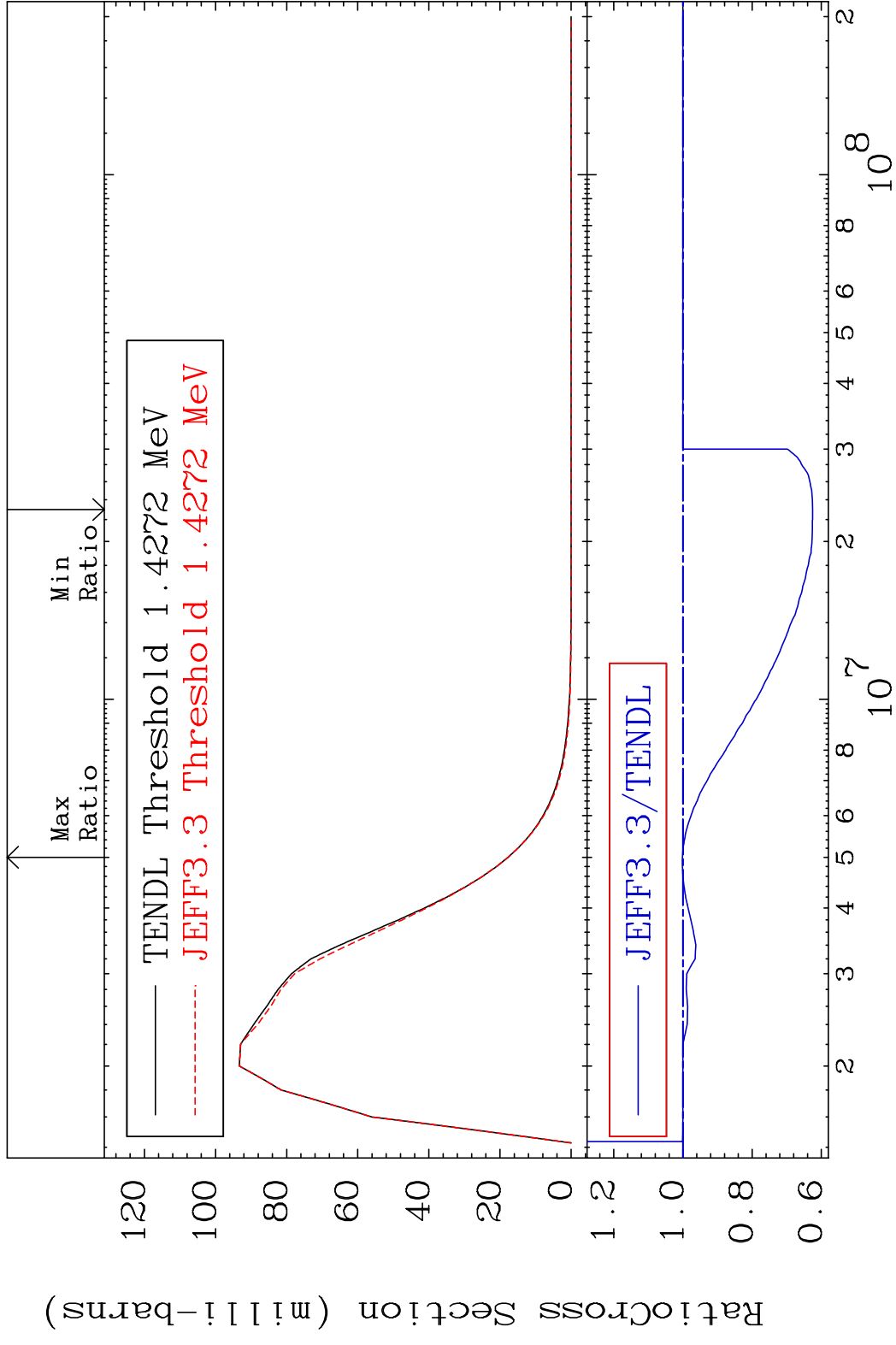
23

Incident Energy (eV)

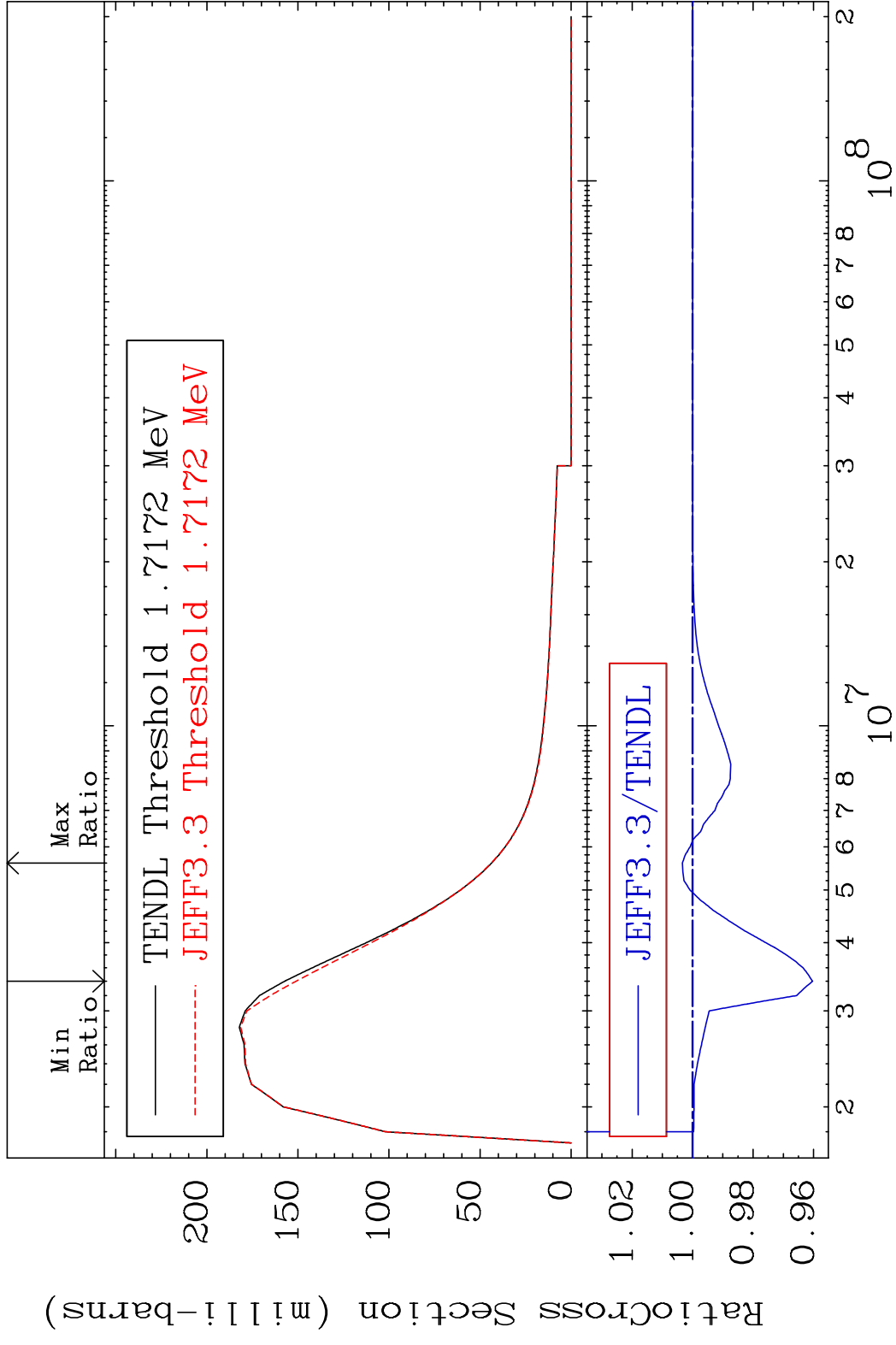
20-Ca-43



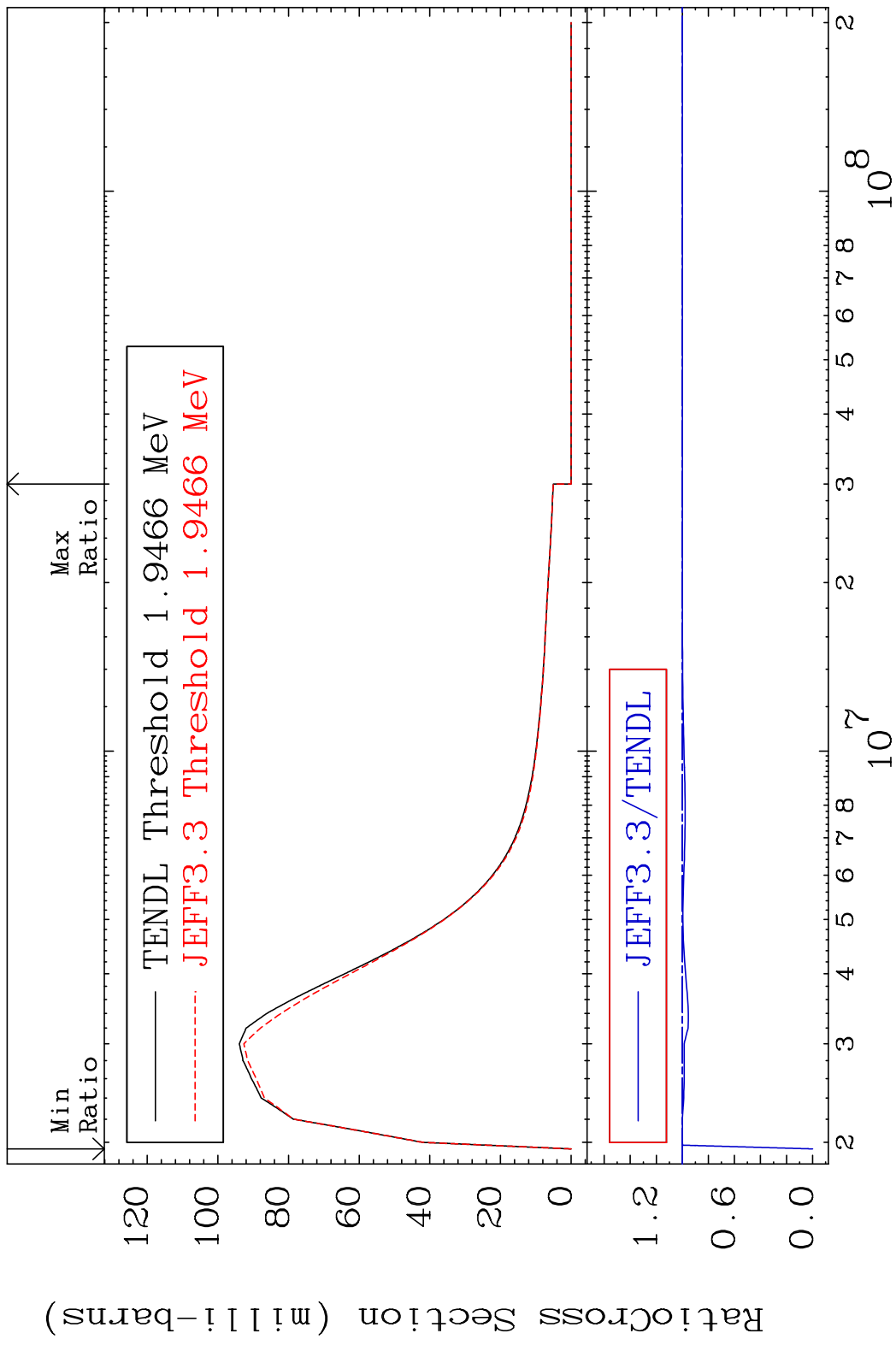
MAT 2034 MT= 54 (n, n') Level 20-Ca-43  
 Cross Section -37.46 To 0.173 %



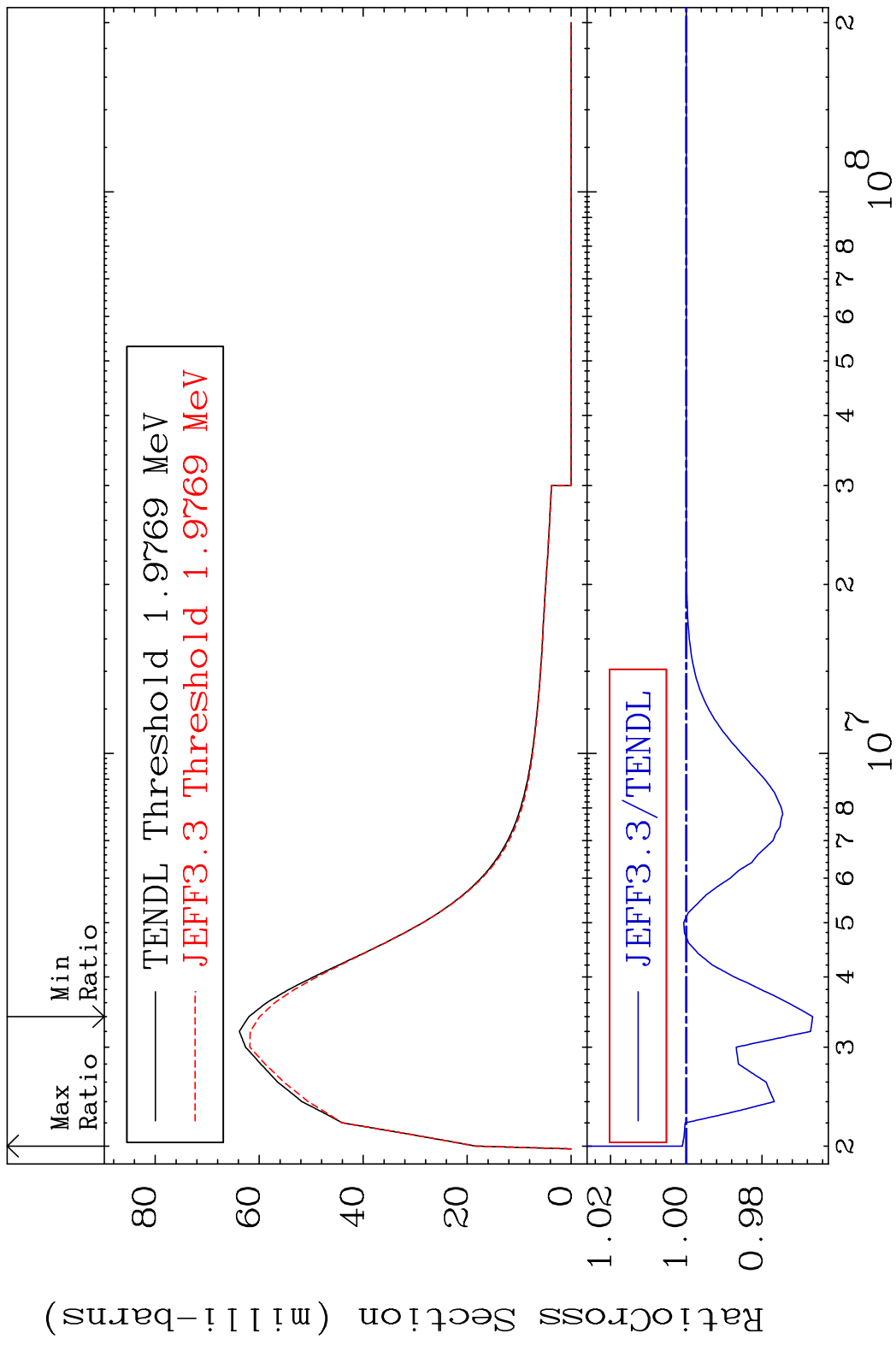
MAT 2034 MT= 55 (n,n') Level 20-Ca-43  
 Cross Section -3.967 To 0.339 %



MAT 2034 MT= 56 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %

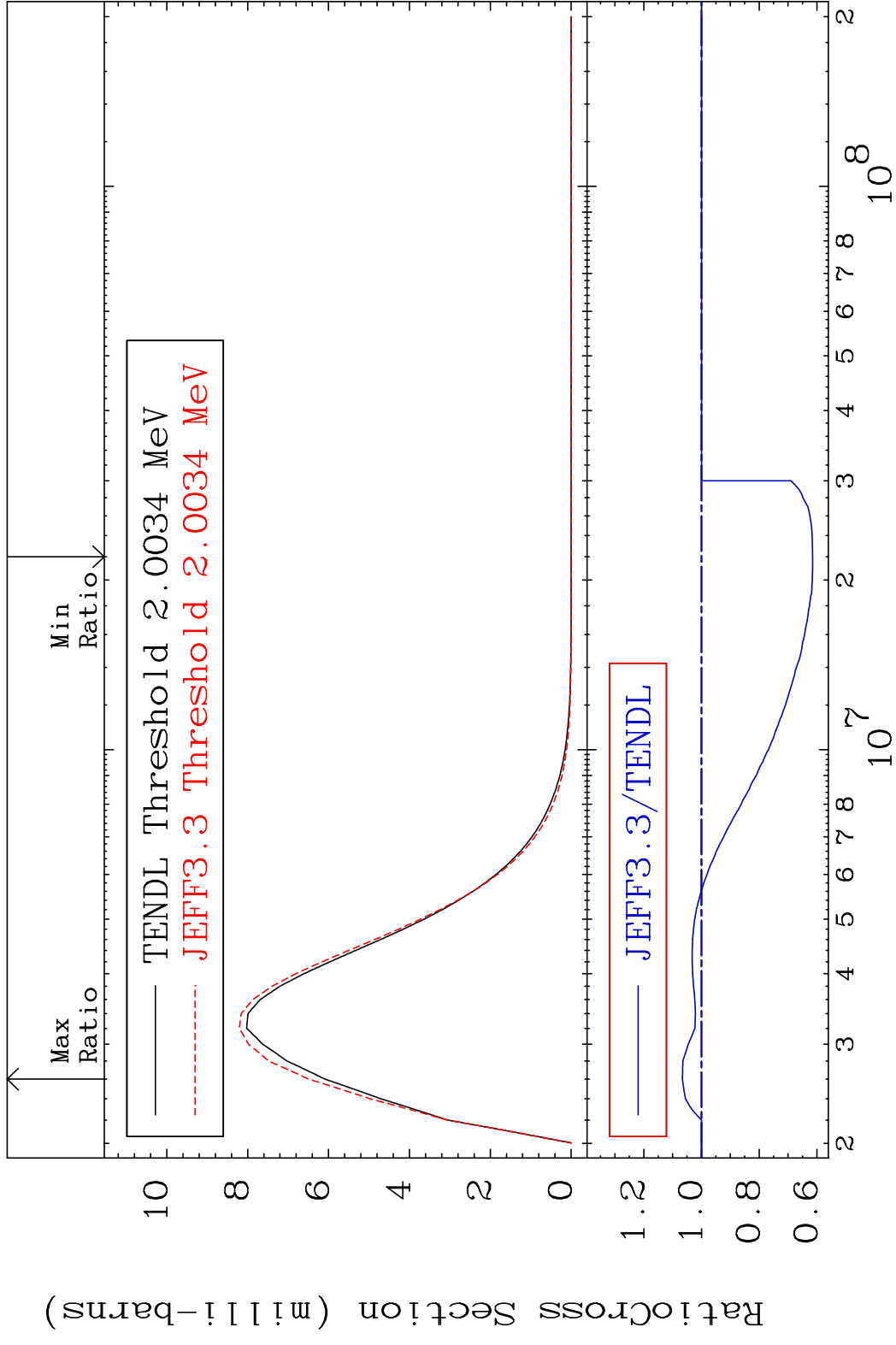


MAT 2034 MT= 57 (n, n') Level 20-Ca-43  
 Cross Section -3.334 To 0.103 %



27 Incident Energy (eV) 20-Ca-43

MAT 2034 MT= 58 (n, n') Level 20-Ca-43  
 Cross Section -38.50 To 6.621 %

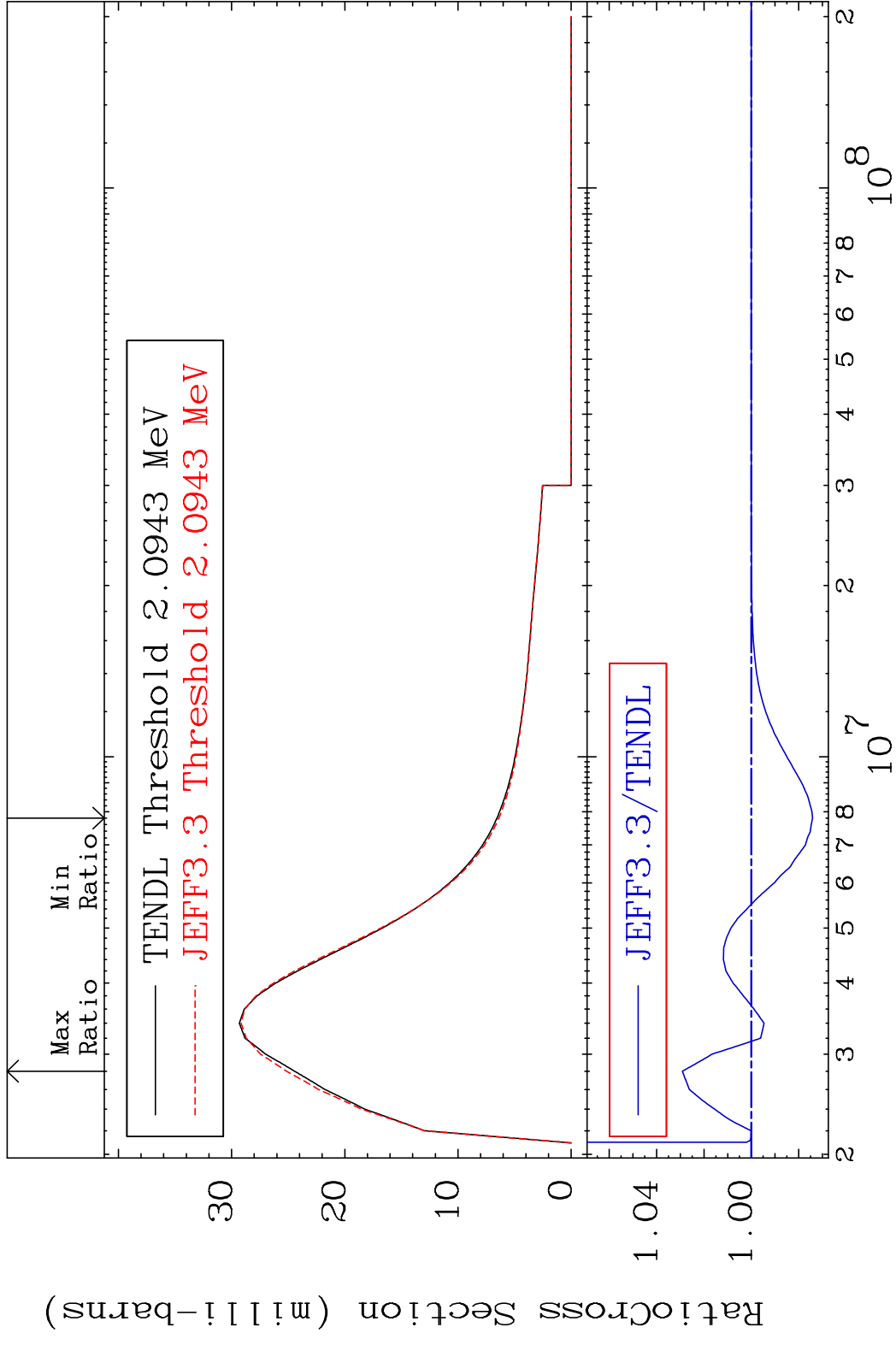


MAT 2034

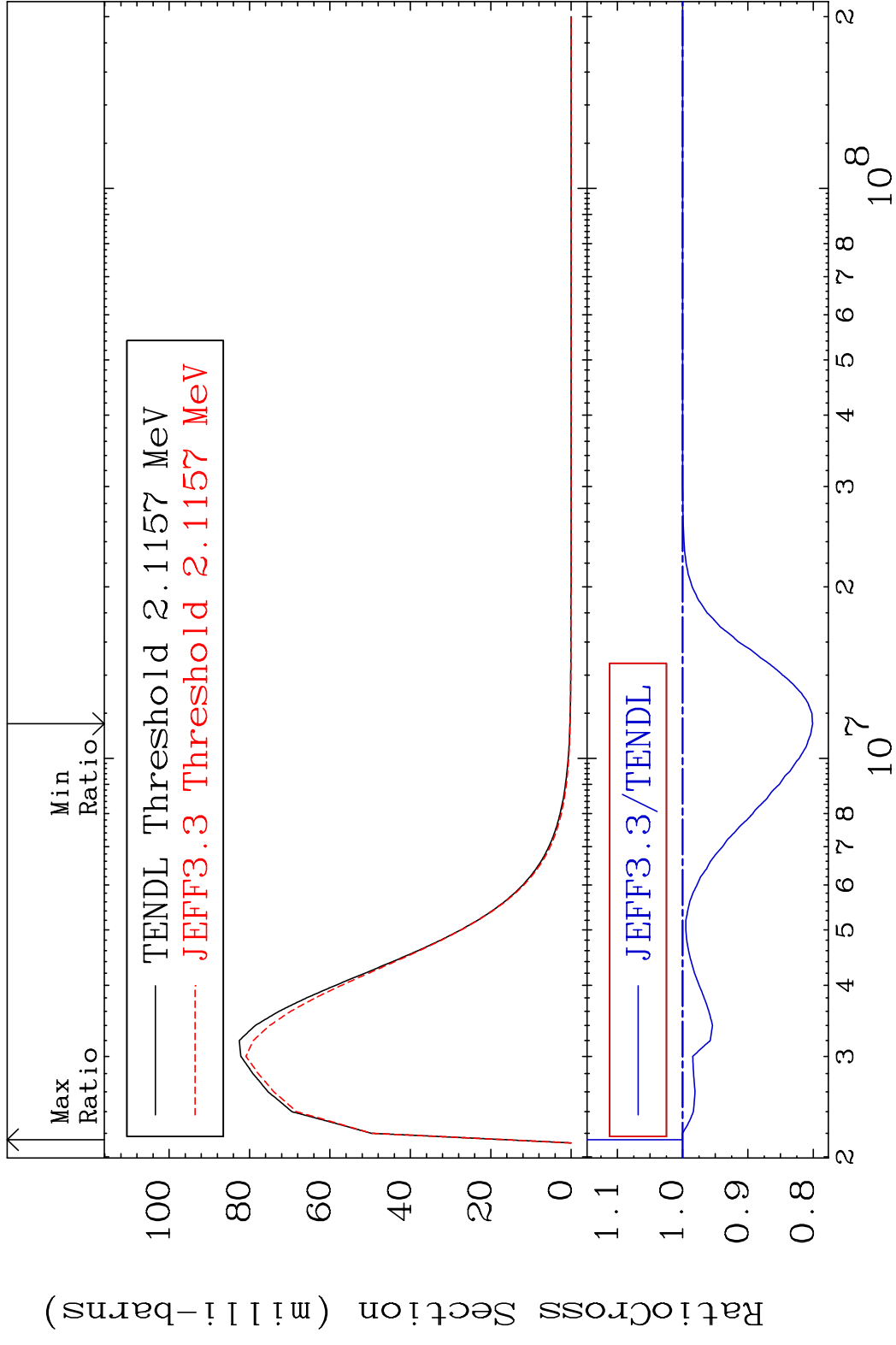
MT= 59 (n, n') Level

20-Ca-43

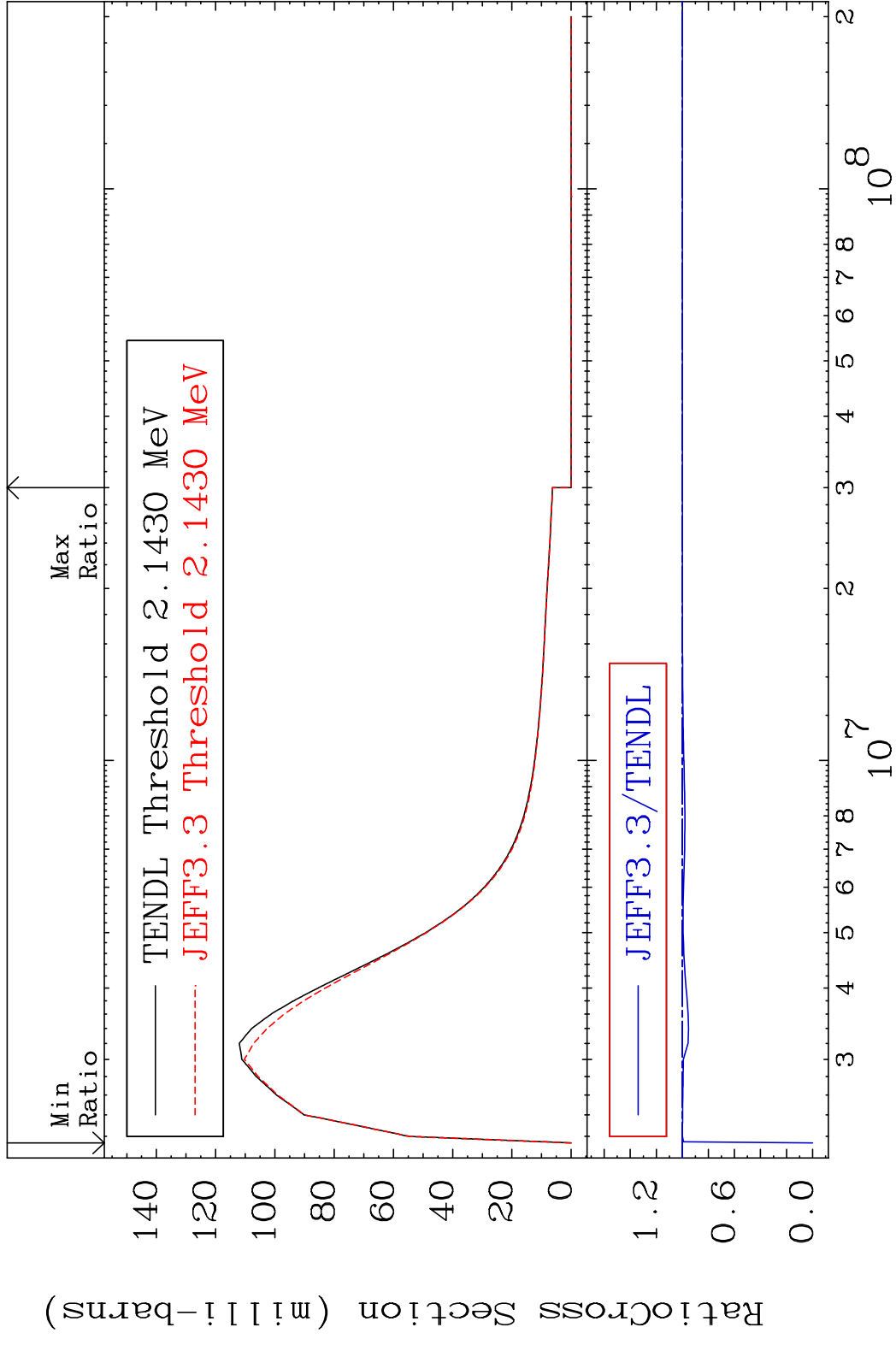
Cross Section -2.583 To 2.913 %



MAT 2034 MT= 60 (n,n') Level 20-Ca-43  
 Cross Section -19.90 To 0.047 %

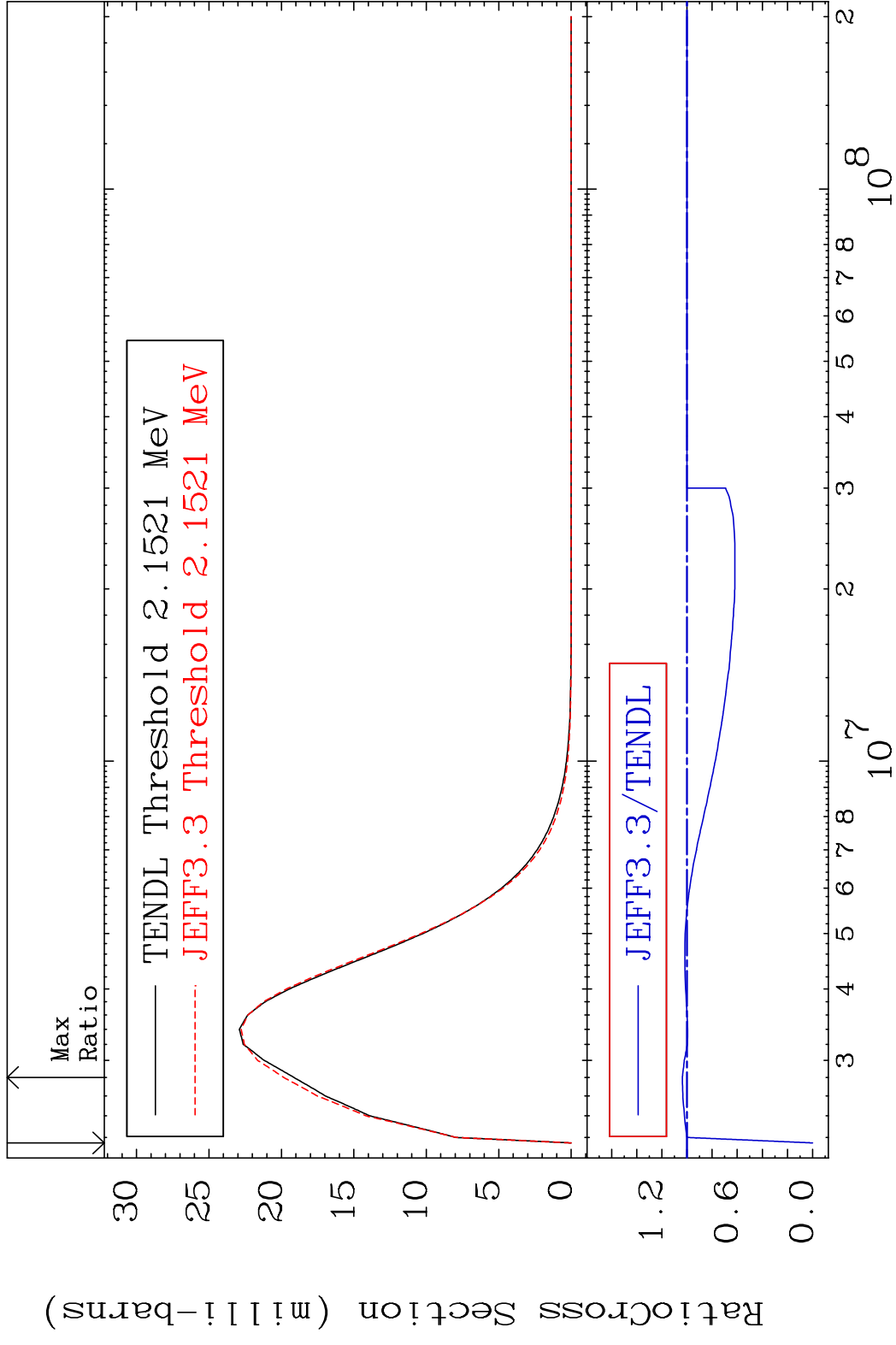


MAT 2034 MT= 61 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %

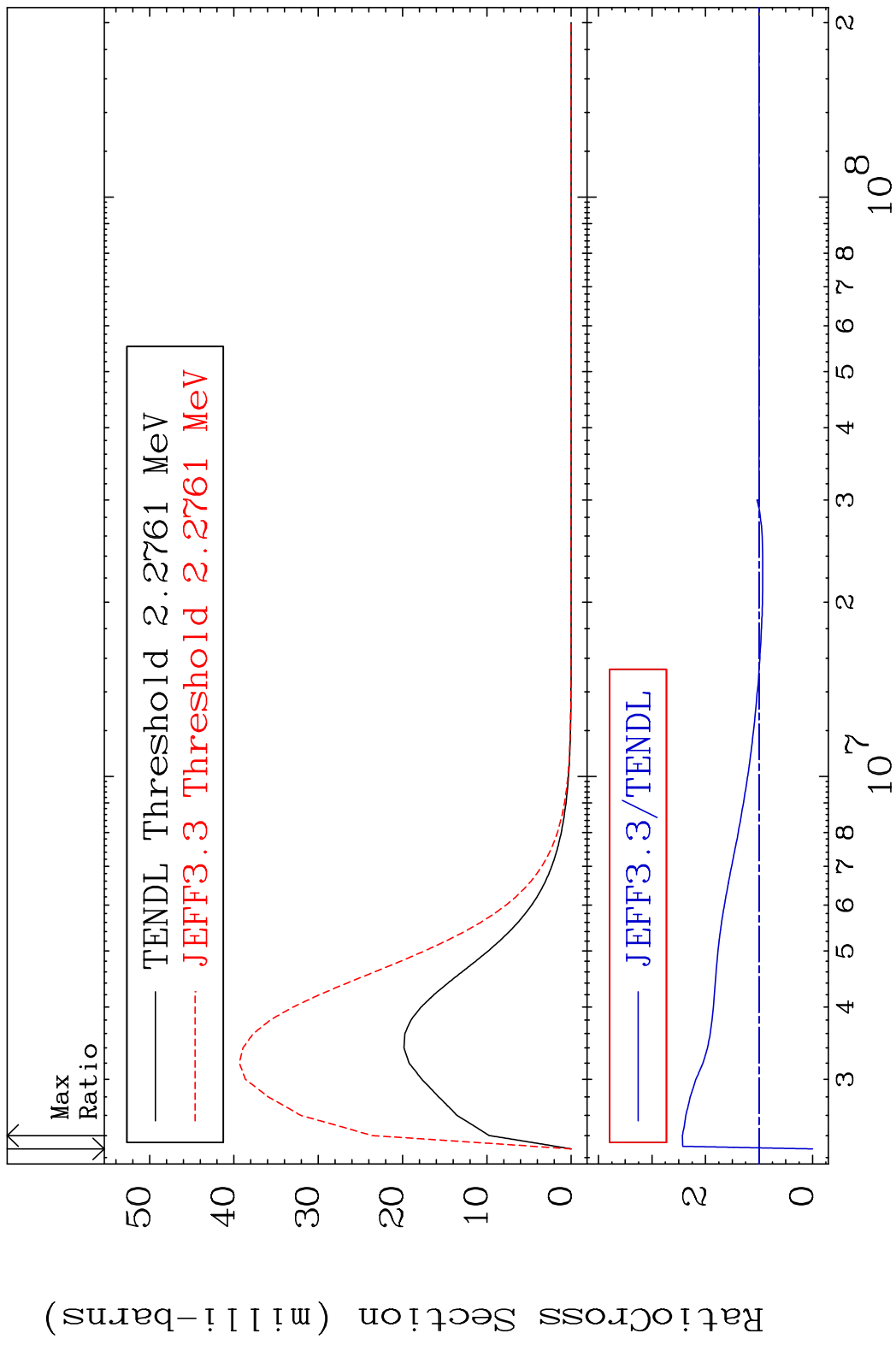




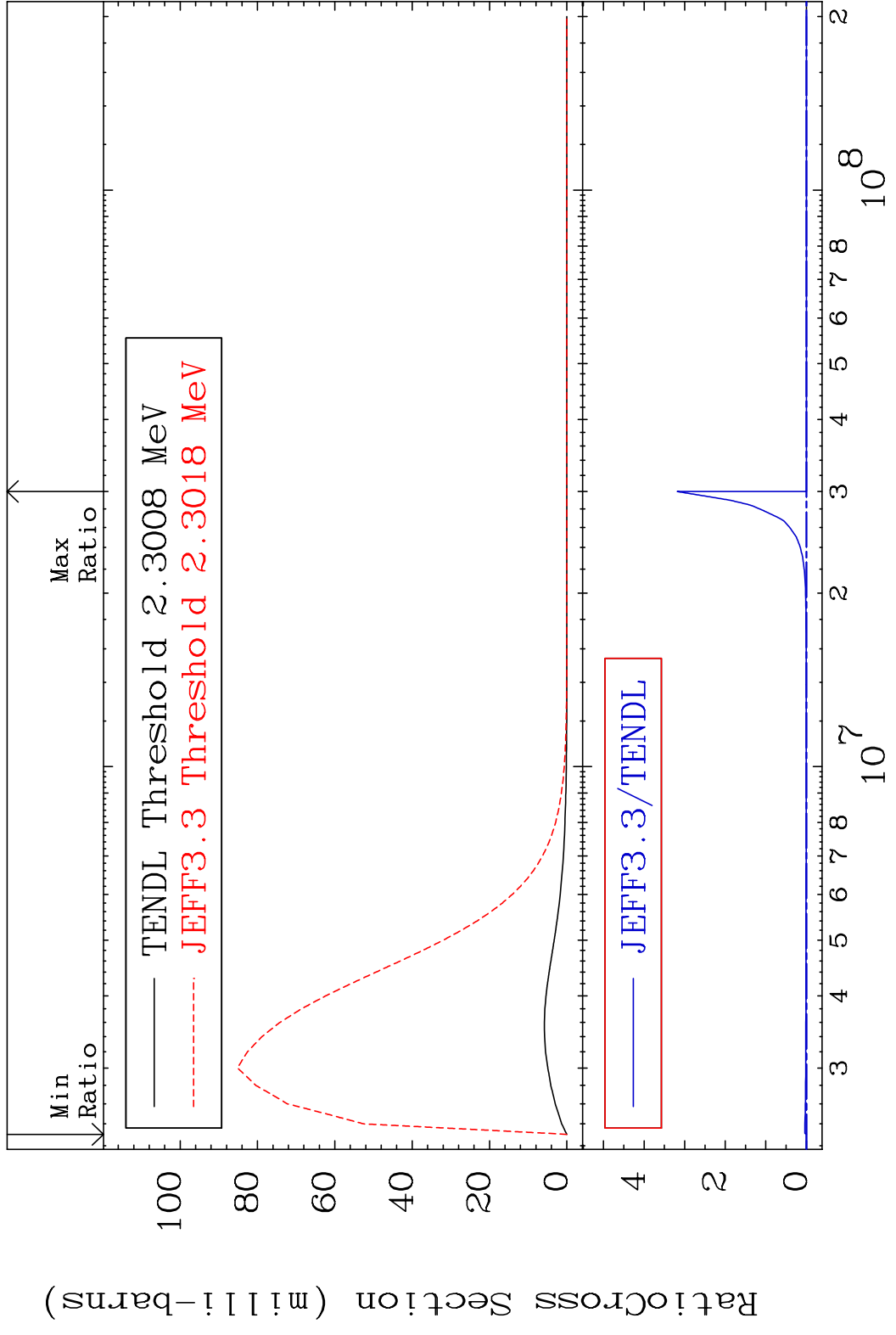
MAT 2034 MT= 62 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 3.677 %



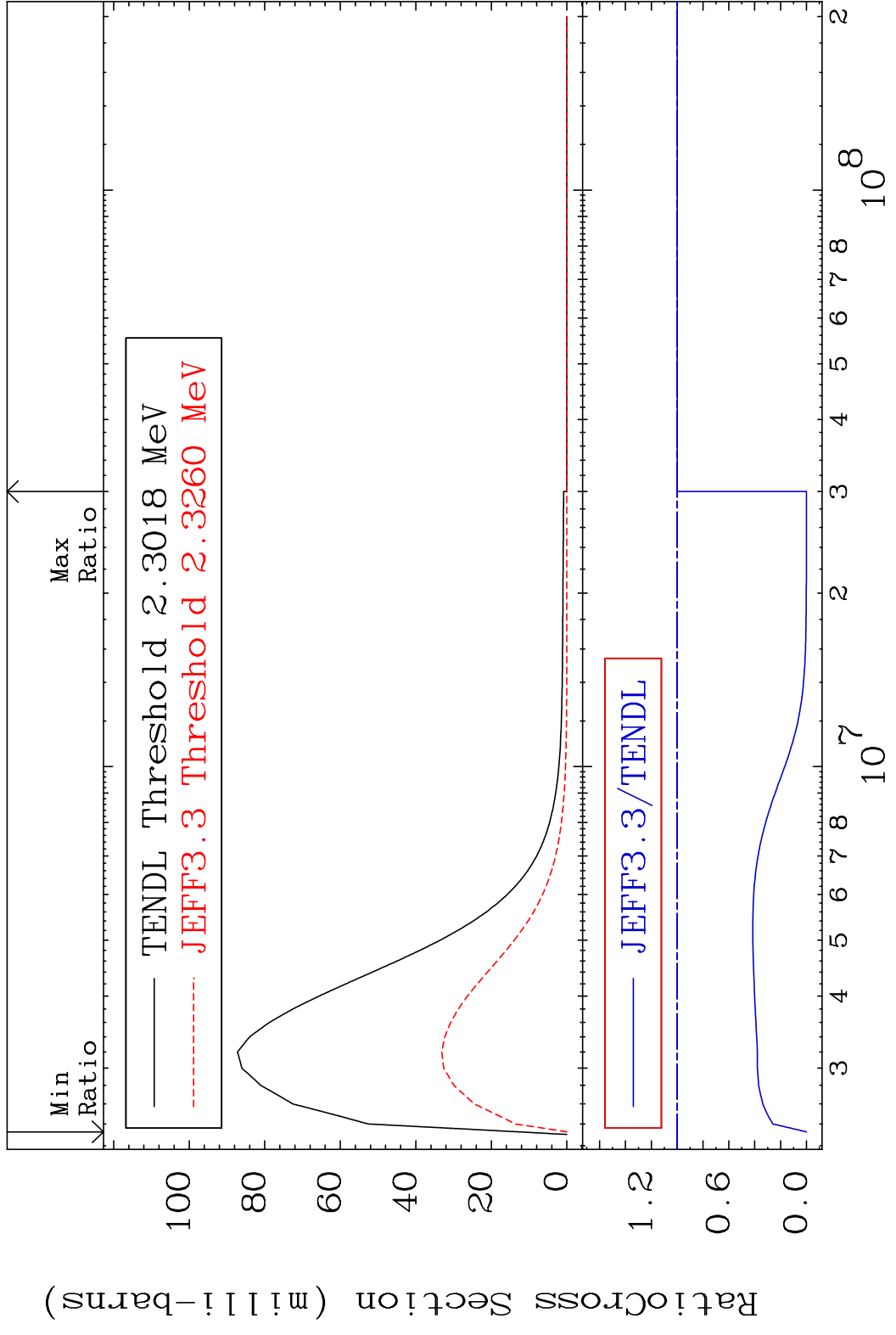
MAT 2034 MT= 63 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 143.3 %



MAT 2034 MT= 64 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %

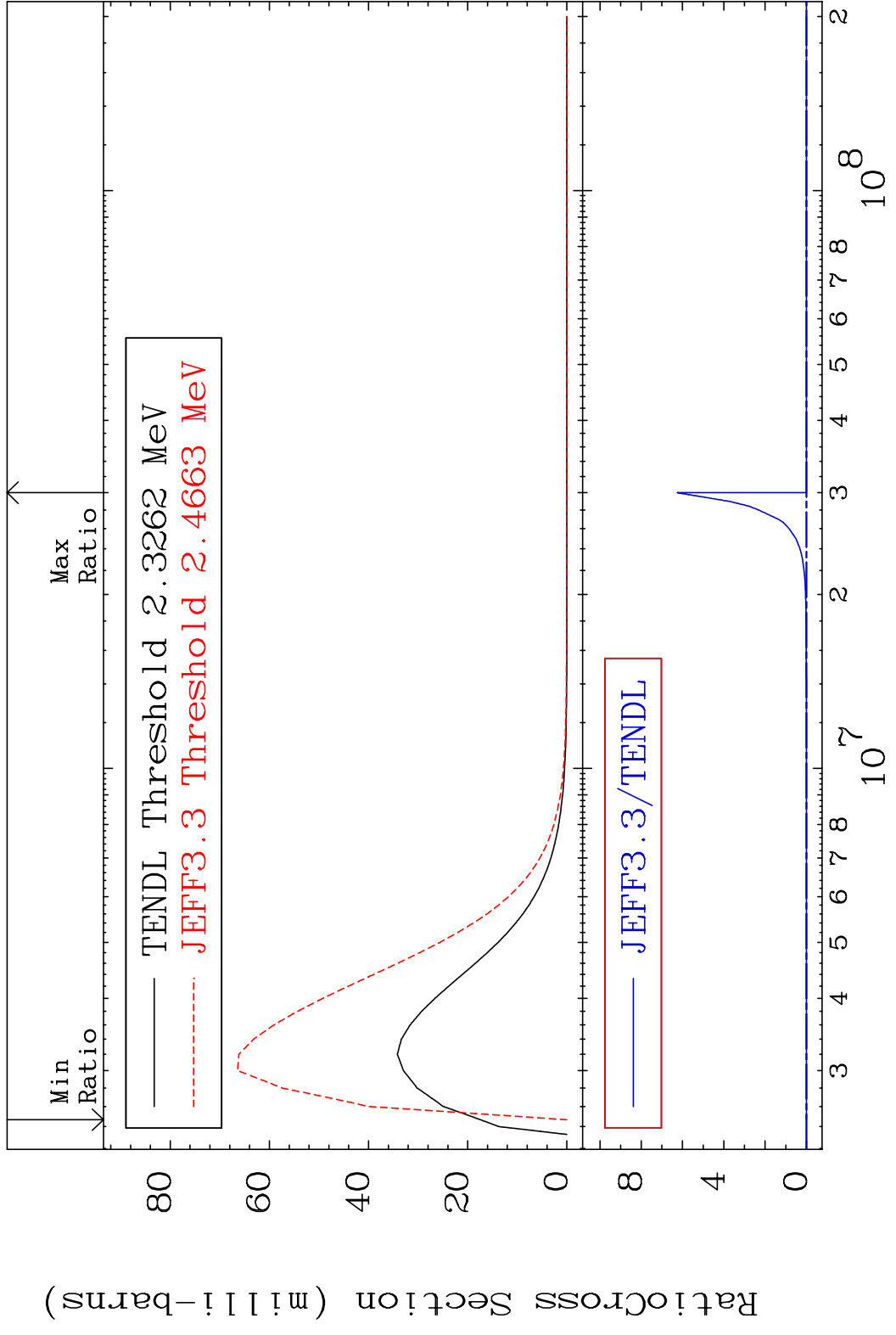


MAT 2034 MT= 65 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %



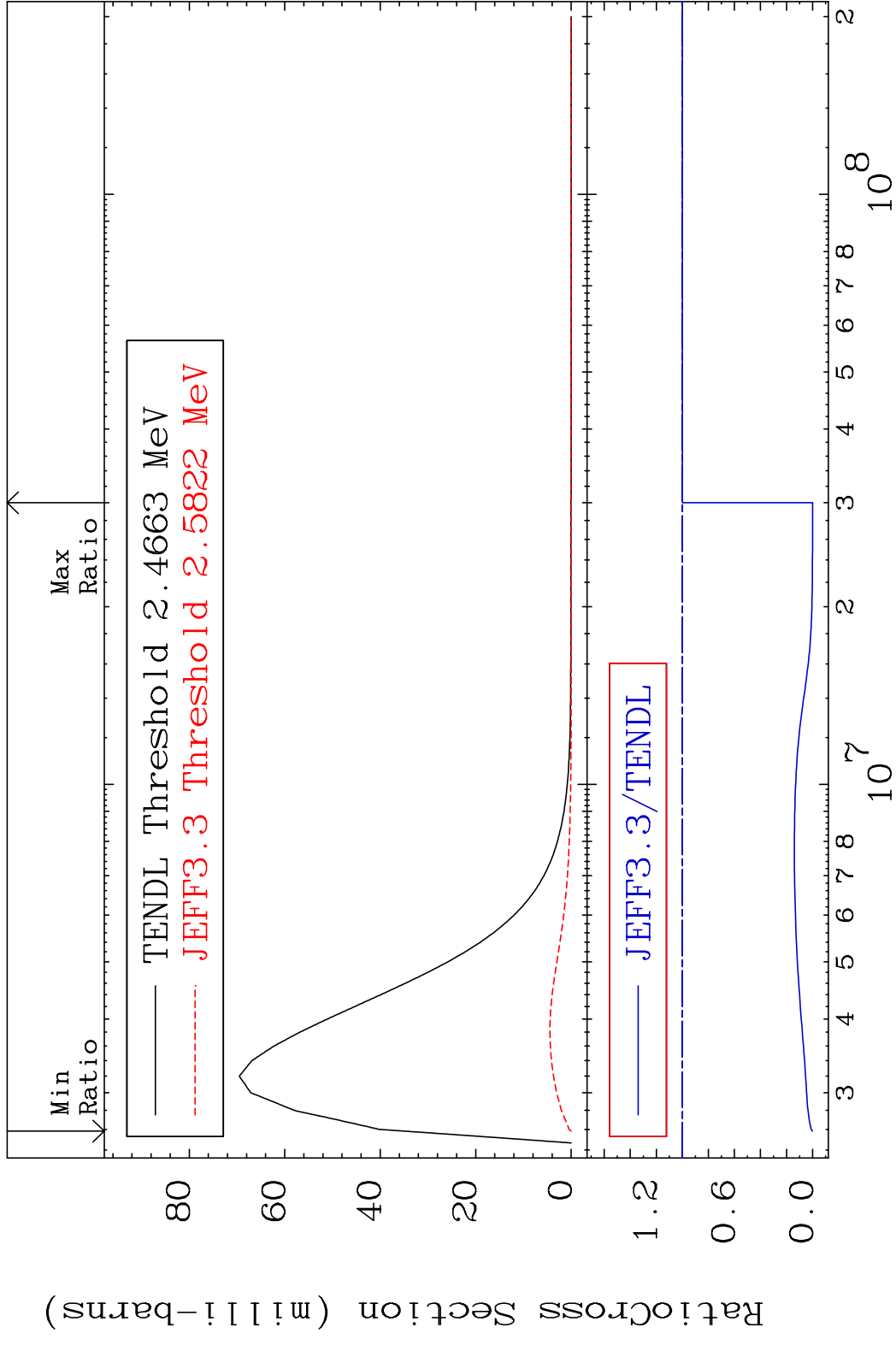
35 Incident Energy (eV) 20-Ca-43

MAT 2034 MT= 66 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %

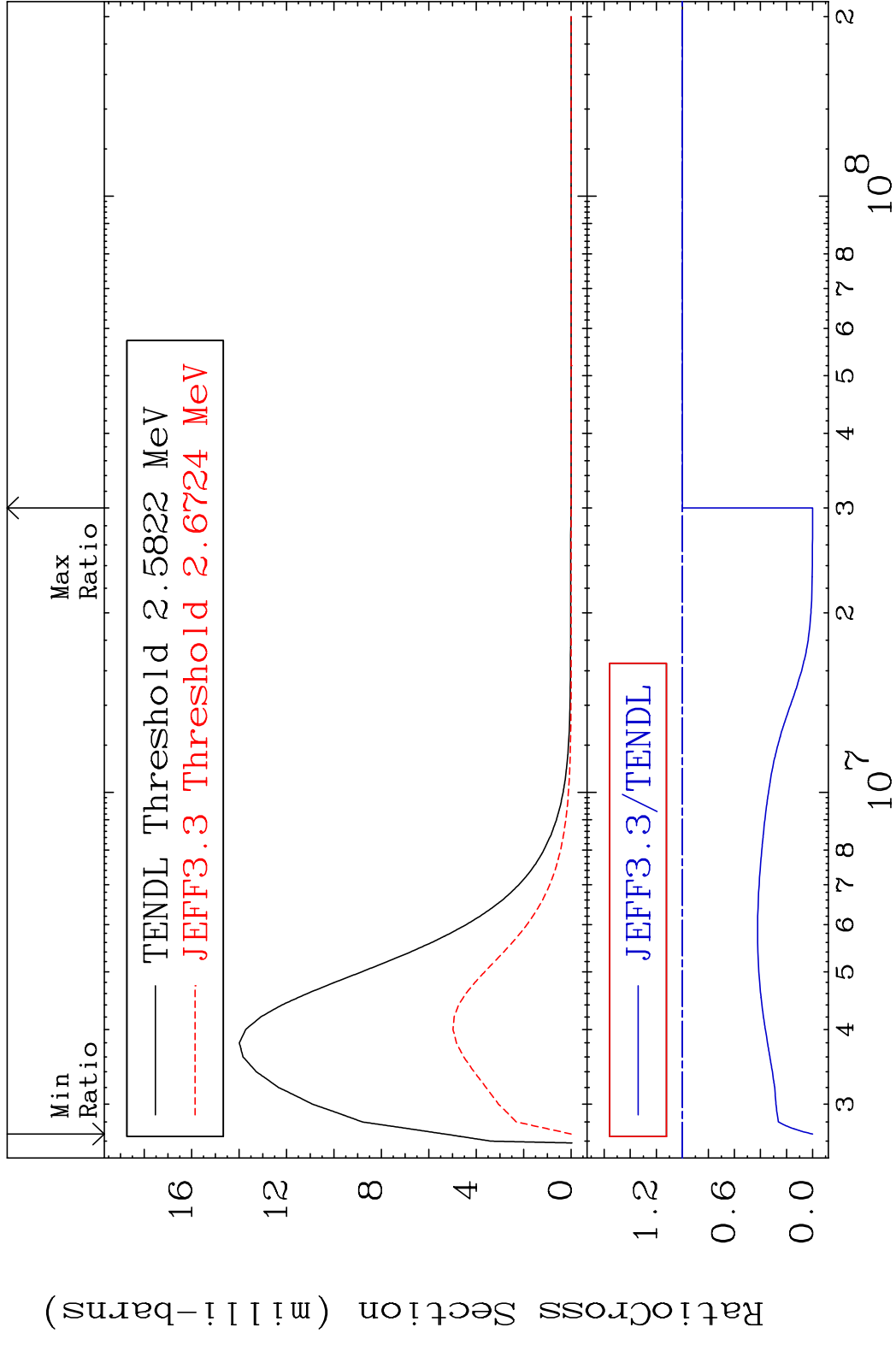


36 Incident Energy (eV) 20-Ca-43

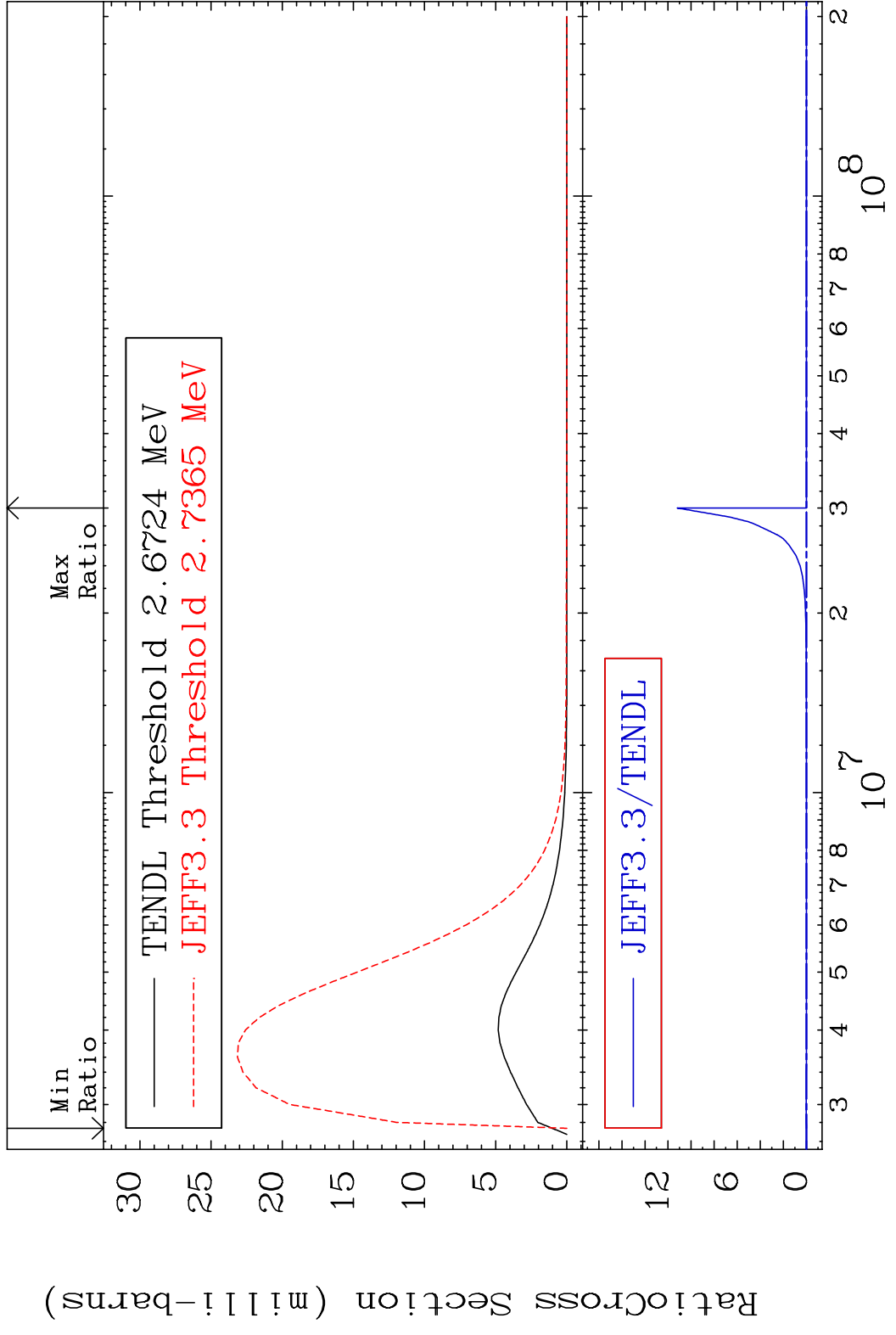
MAT 2034 MT= 67 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %



MAT 2034 MT= 68 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %

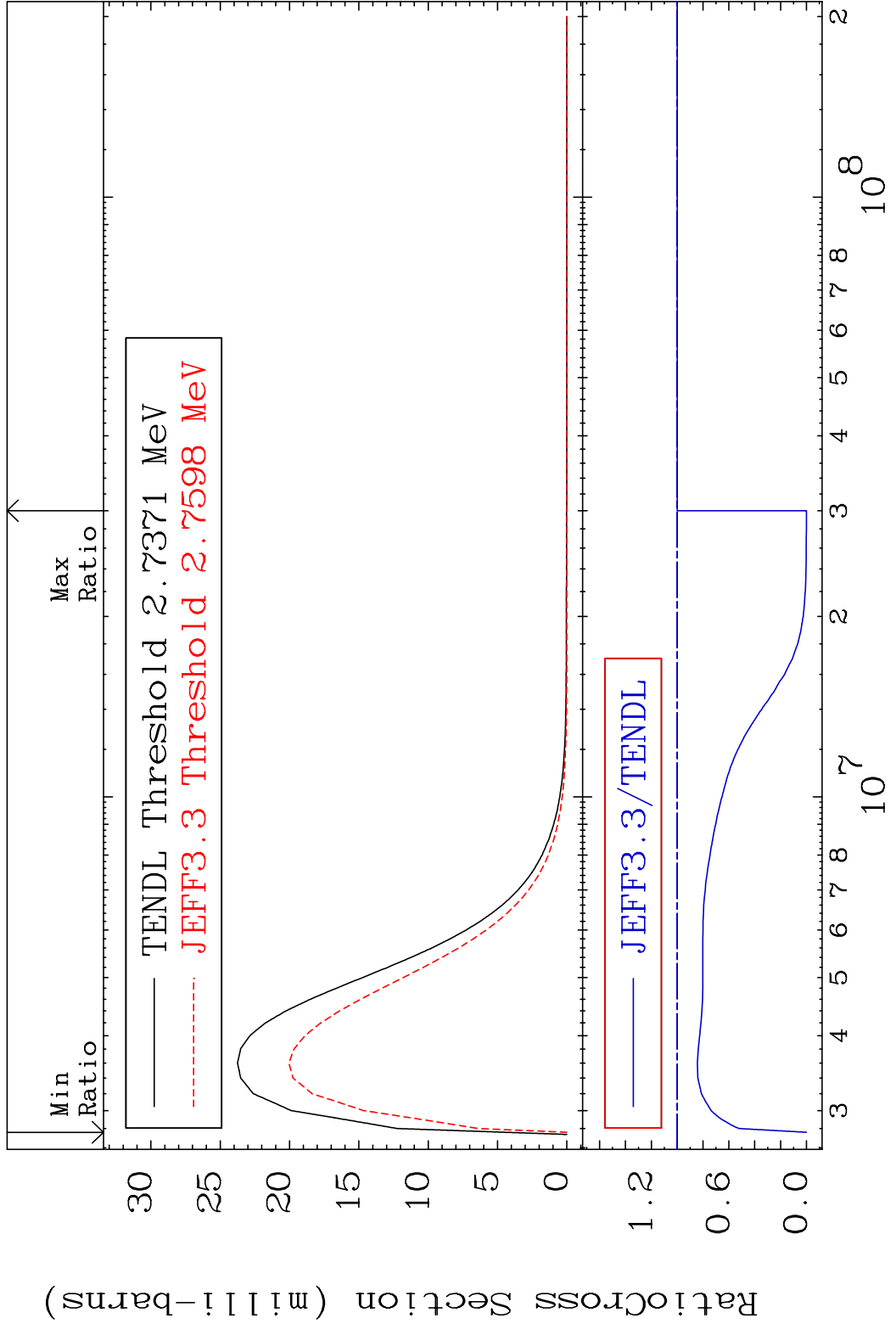


MAT 2034 MT= 69 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %





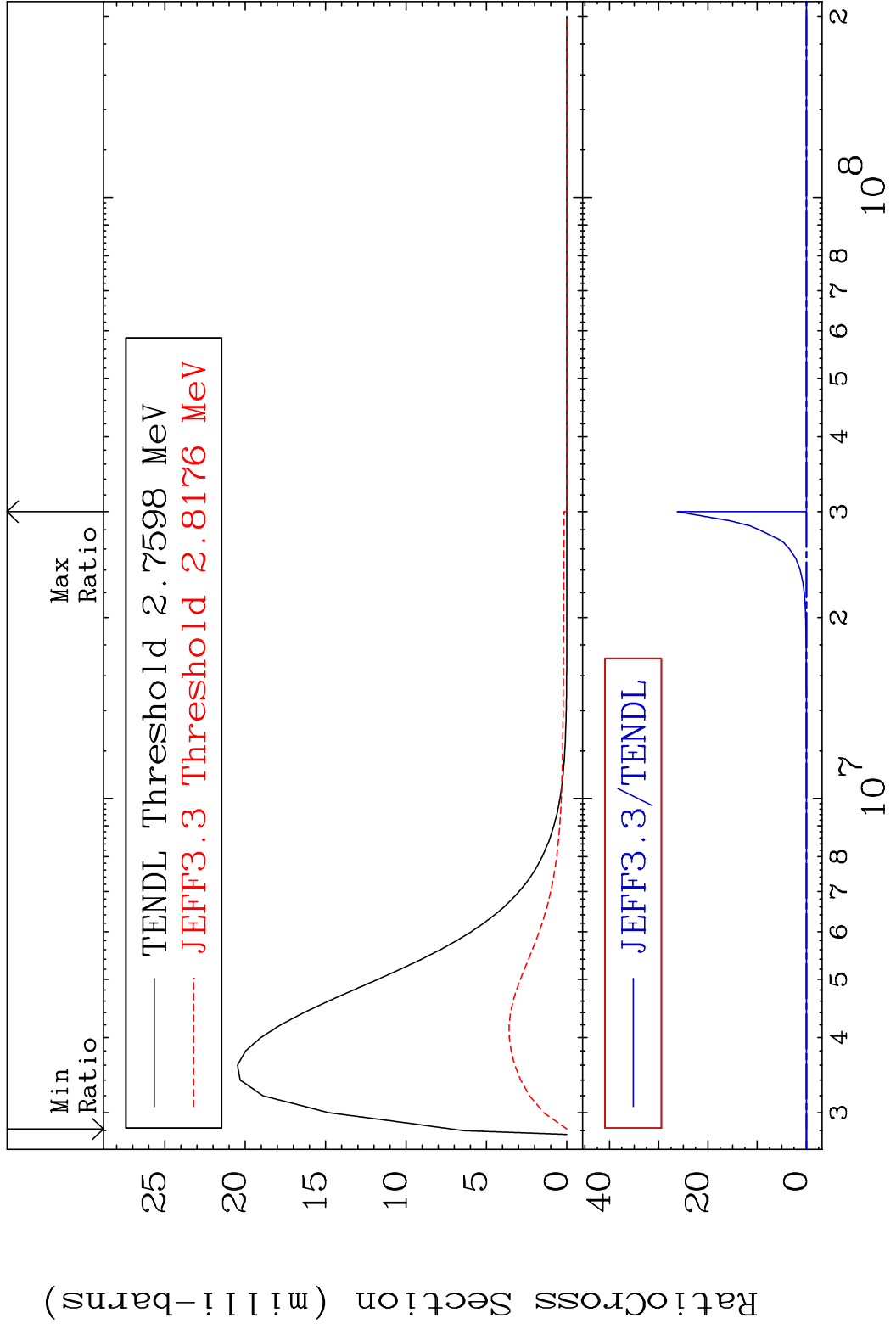
MAT 2034 MT= 70 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %



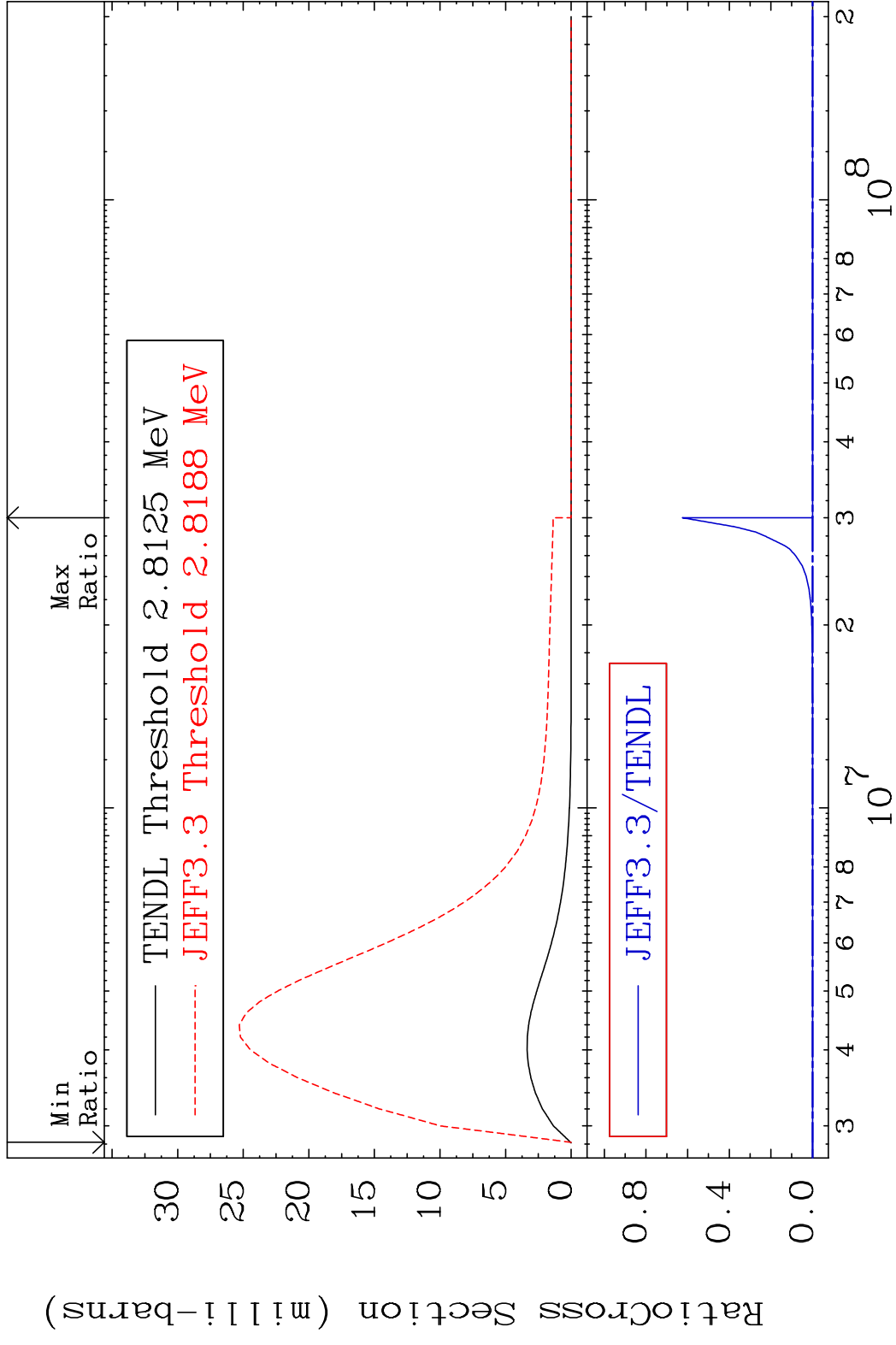
40

20-Ca-43

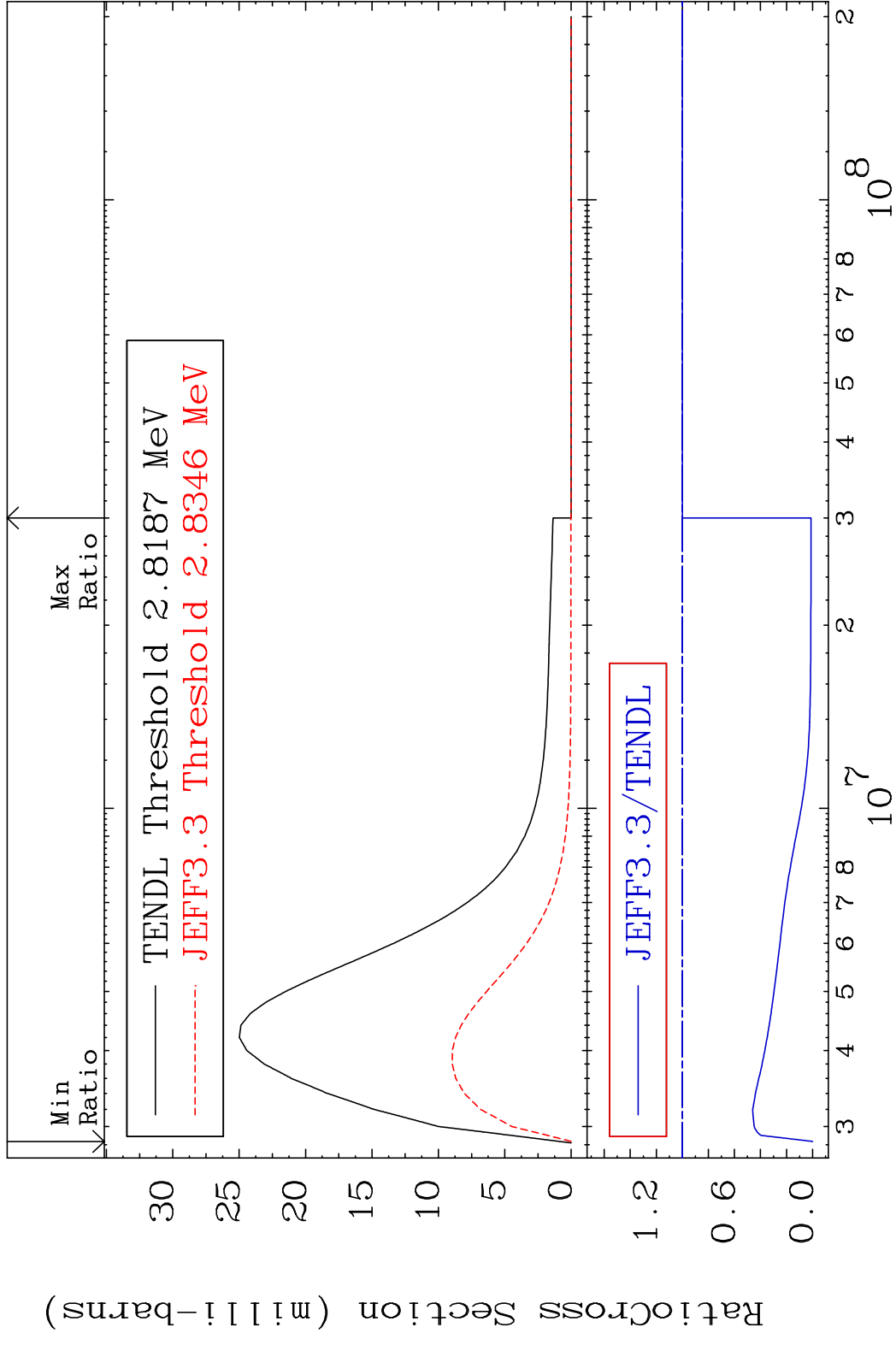
MAT 2034 MT= 71 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



MAT 2034 MT= 72 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %

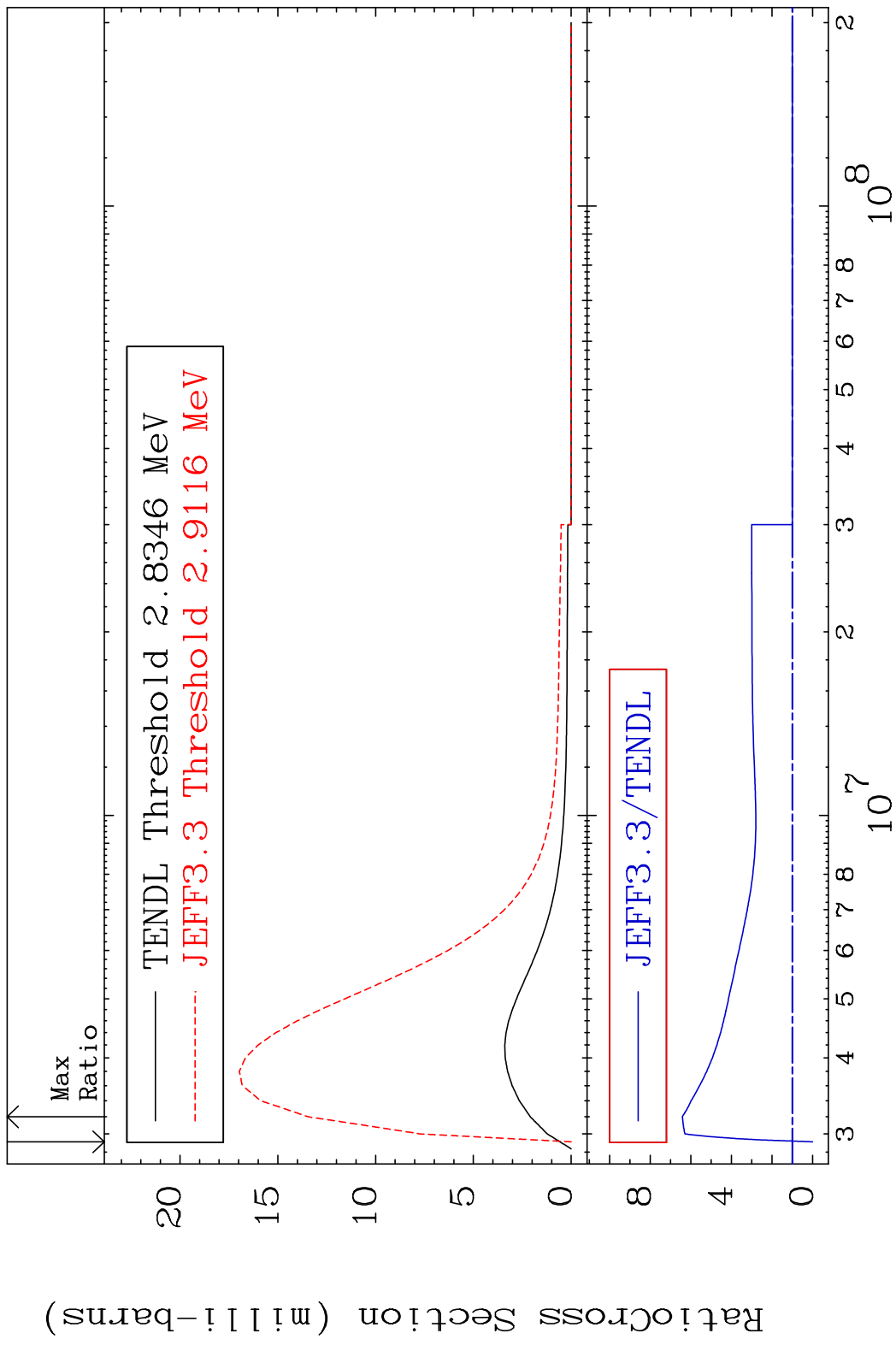


MAT 2034 MT= 73 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %

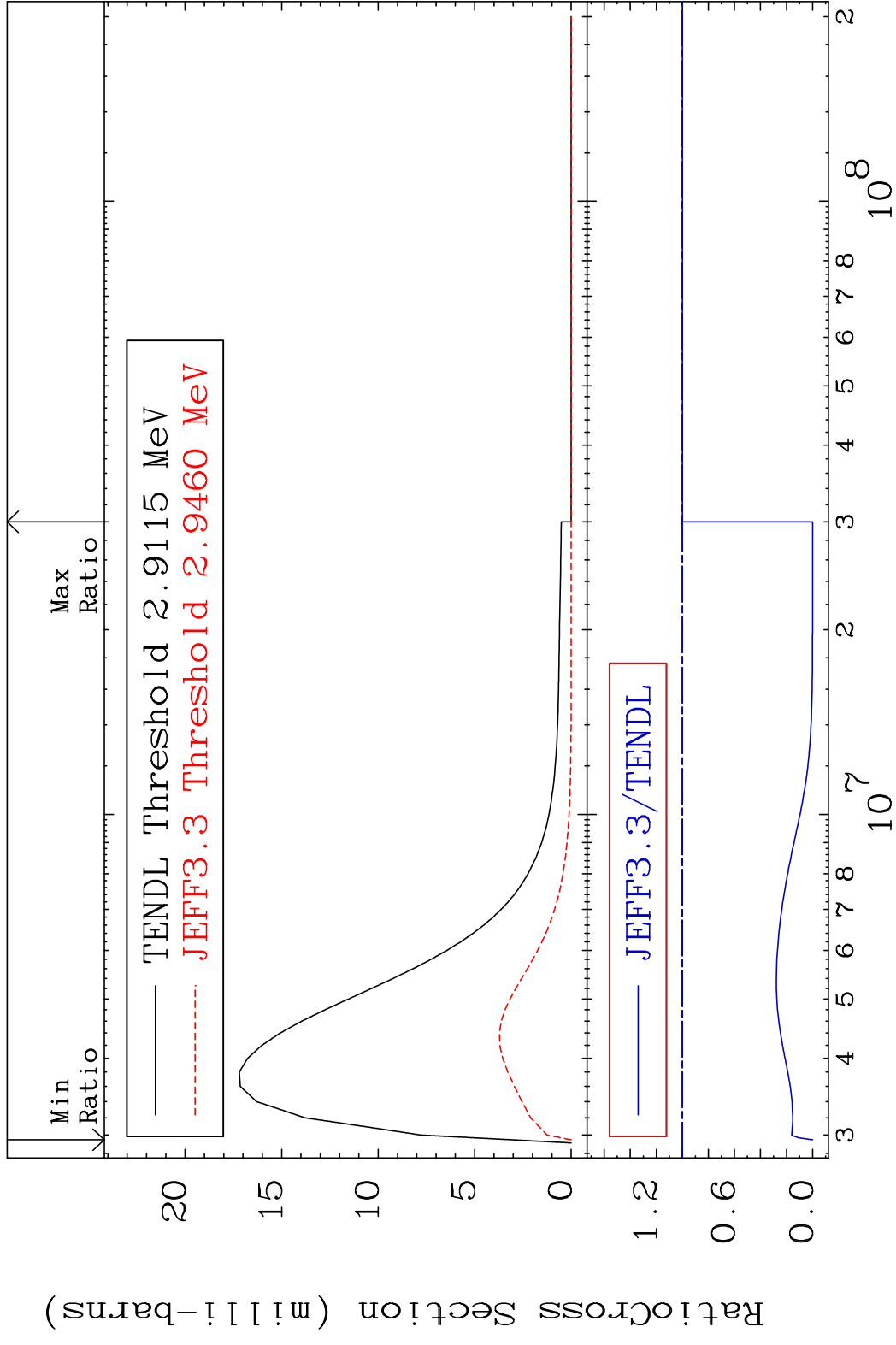


43 Incident Energy (eV) 20-Ca-43

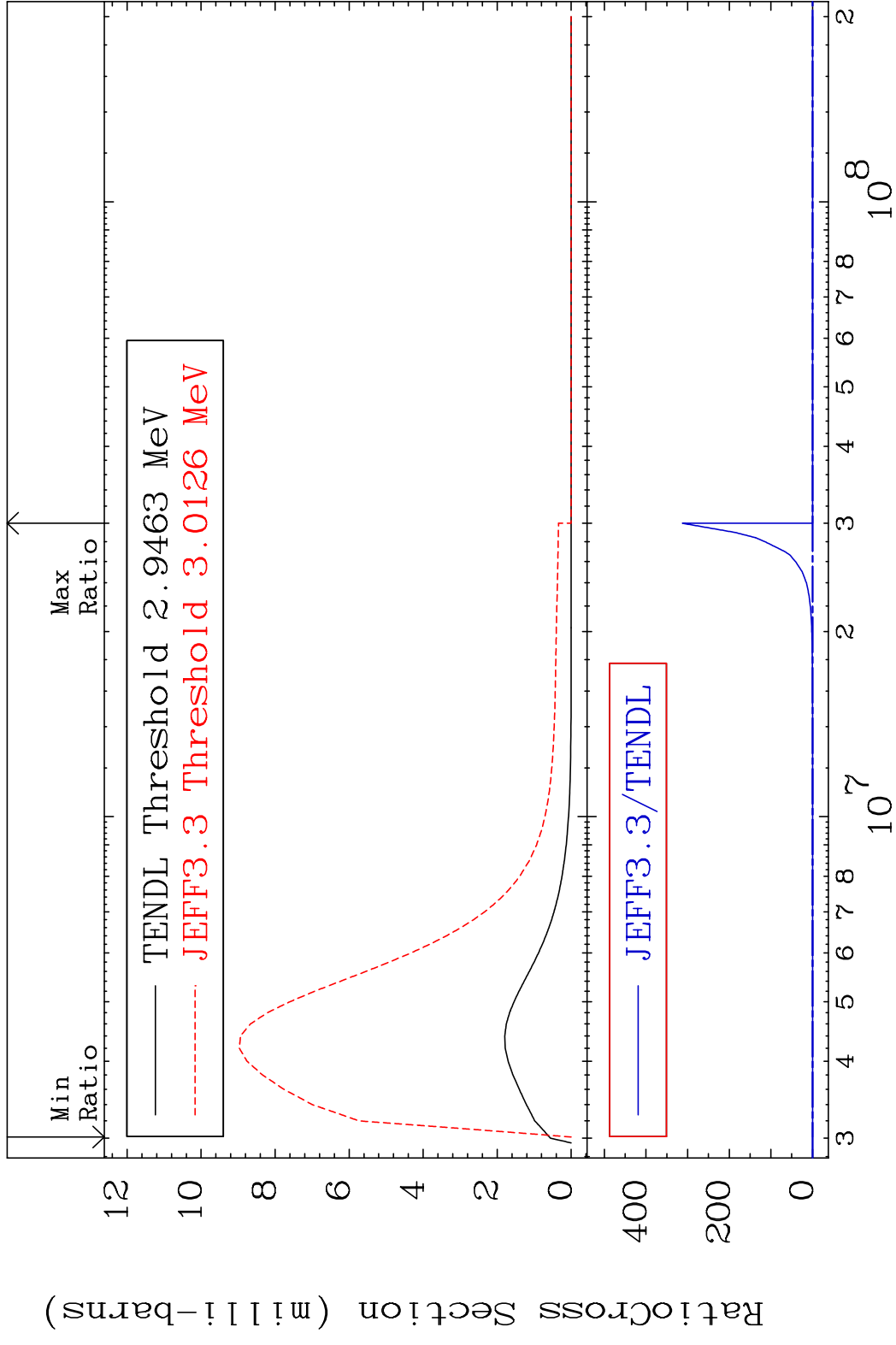
MAT 2034 MT= 74 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 541.8 %



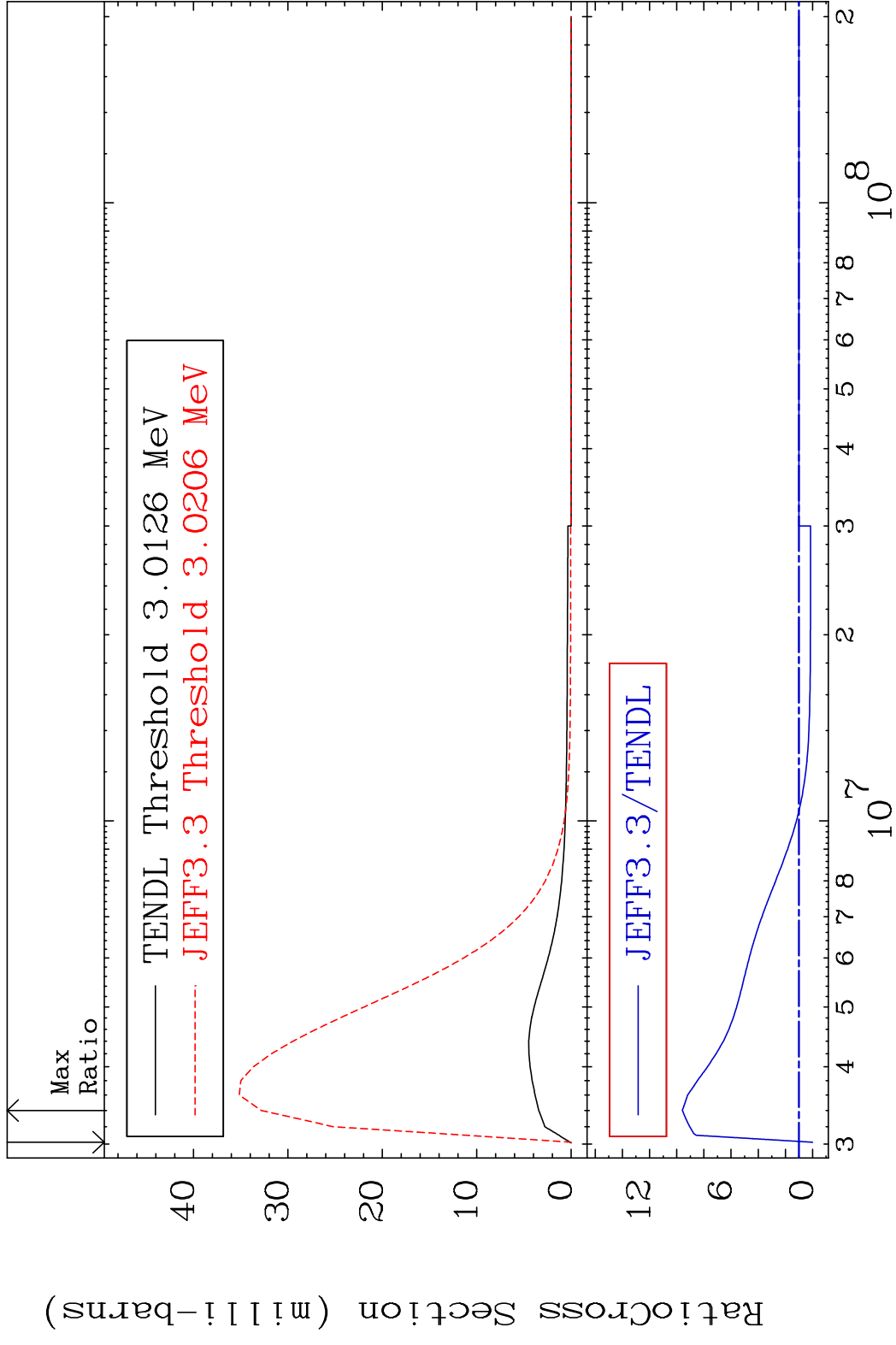
MAT 2034 MT= 75 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %



MAT 2034 MT= 76 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %

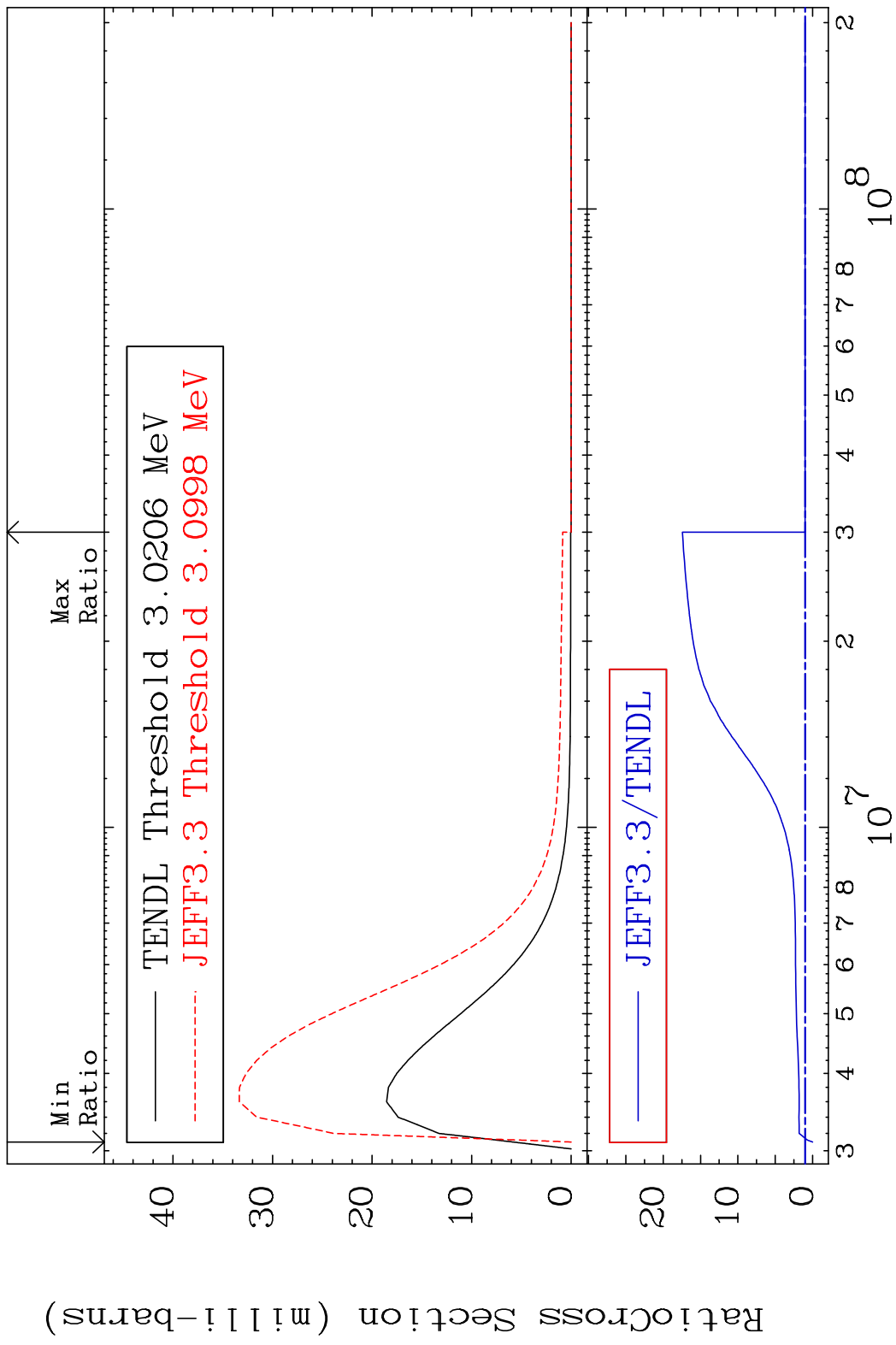


MAT 2034 MT= 77 (n,n') Level 20-Ca-43  
 Cross Section -100.0 To 858.5 %





MAT 2034 MT= 78 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 1644. %

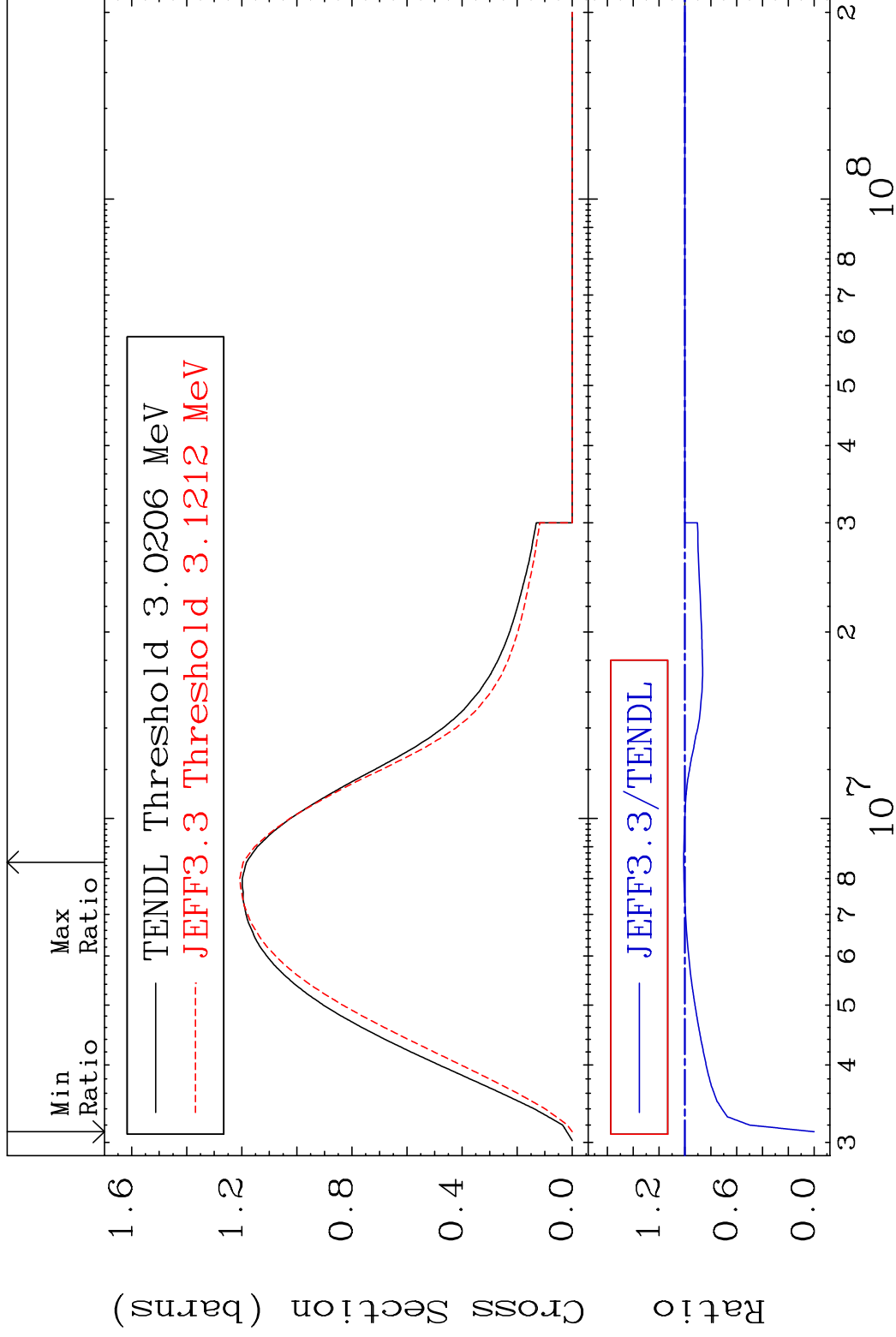


MAT 2034

(n,n') Continuum

20-Ca-43

Cross Section -100.0 To 0.989 %



49

Incident Energy (eV)

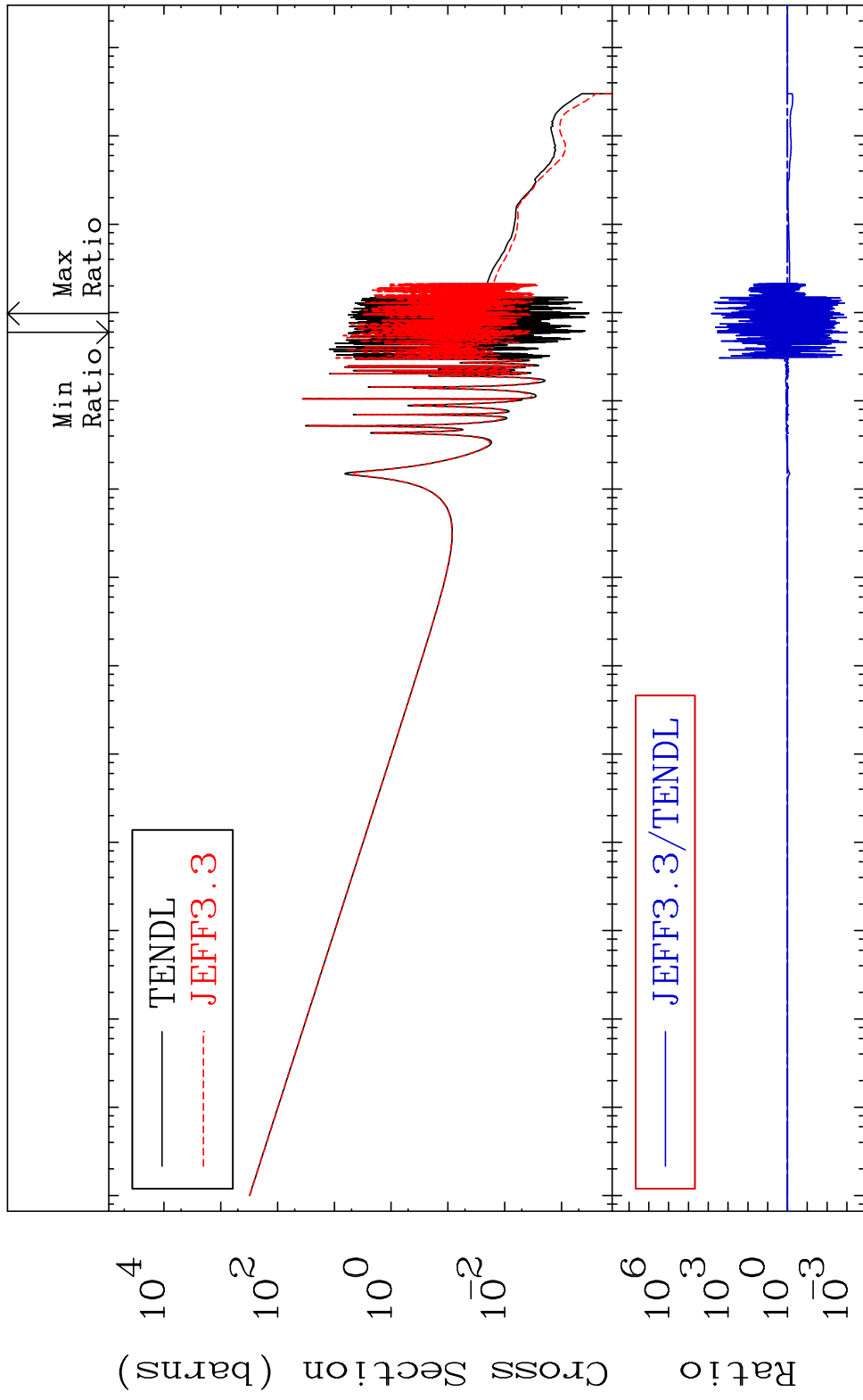
20-Ca-43

MAT 2034

(n,  $\gamma$ )

20-Ca-43

Cross Section -99.90 To 9999. %

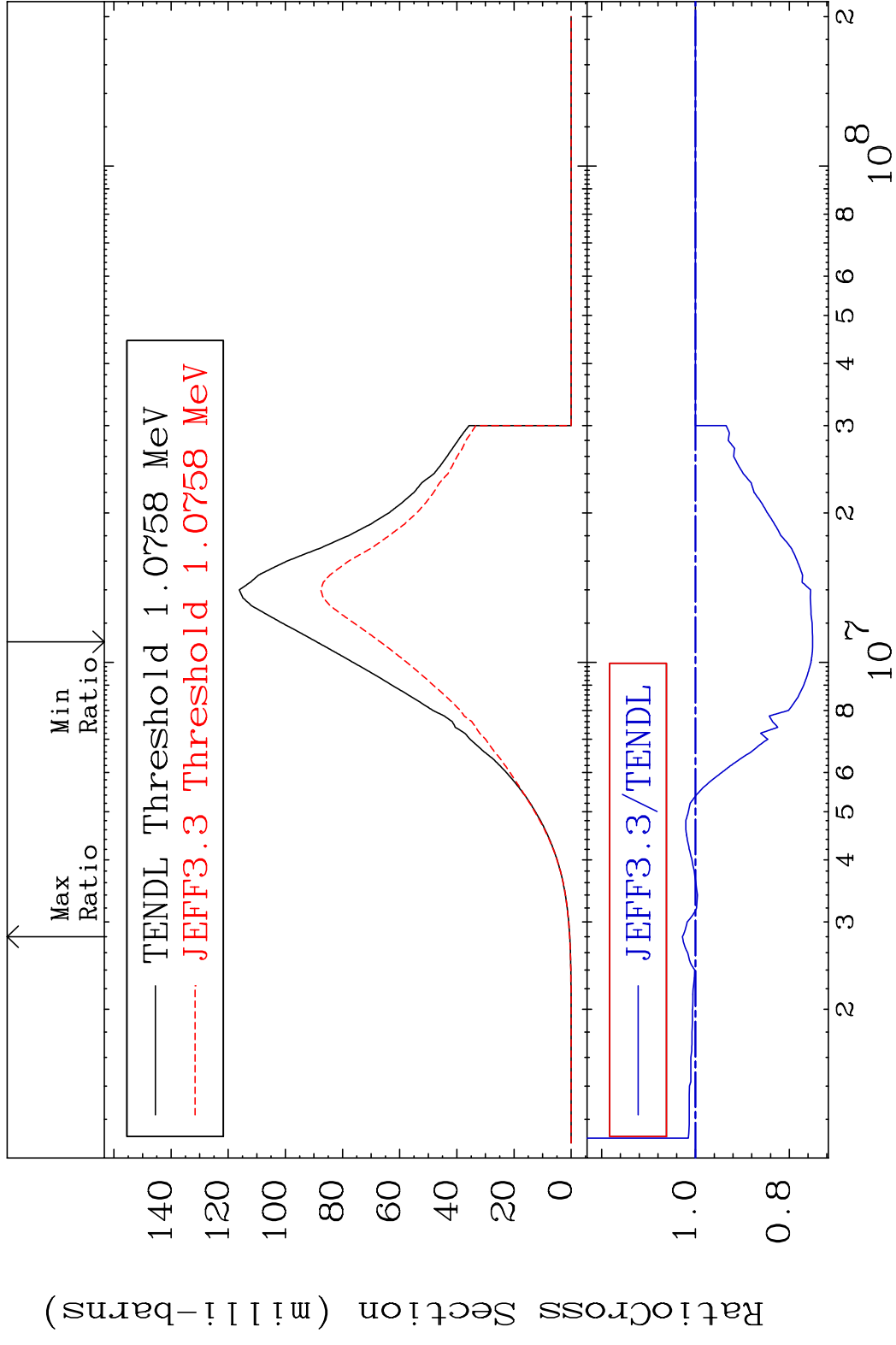


50

Incident Energy (eV)

20-Ca-43

MAT 2034 (n,p) 20-Ca-43  
 Cross Section -24.96 To 2.797 %

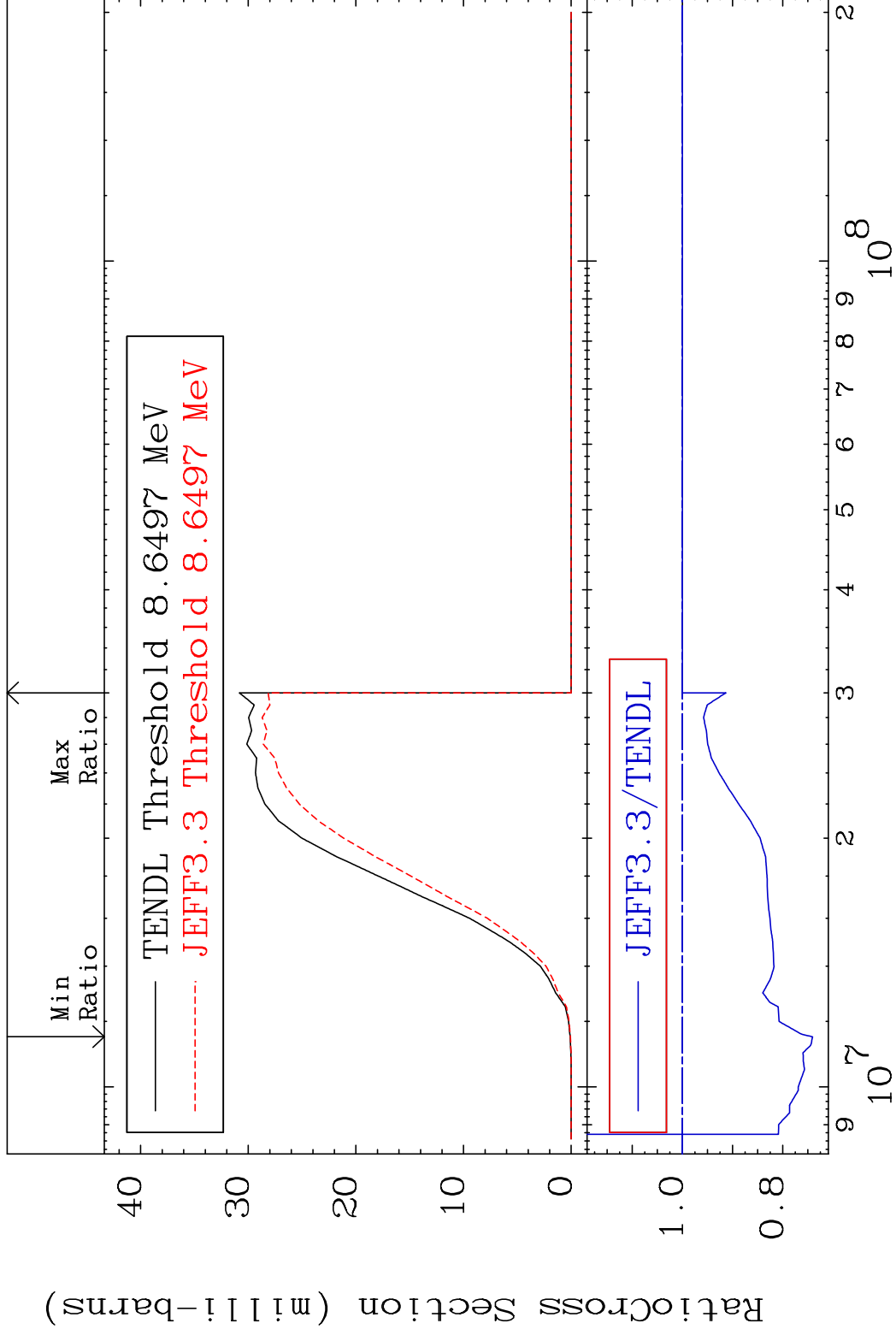


MAT 2034

(n, d)

20-Ca-43

Cross Section -25.94 To 0.000 %



52

Incident Energy (eV)

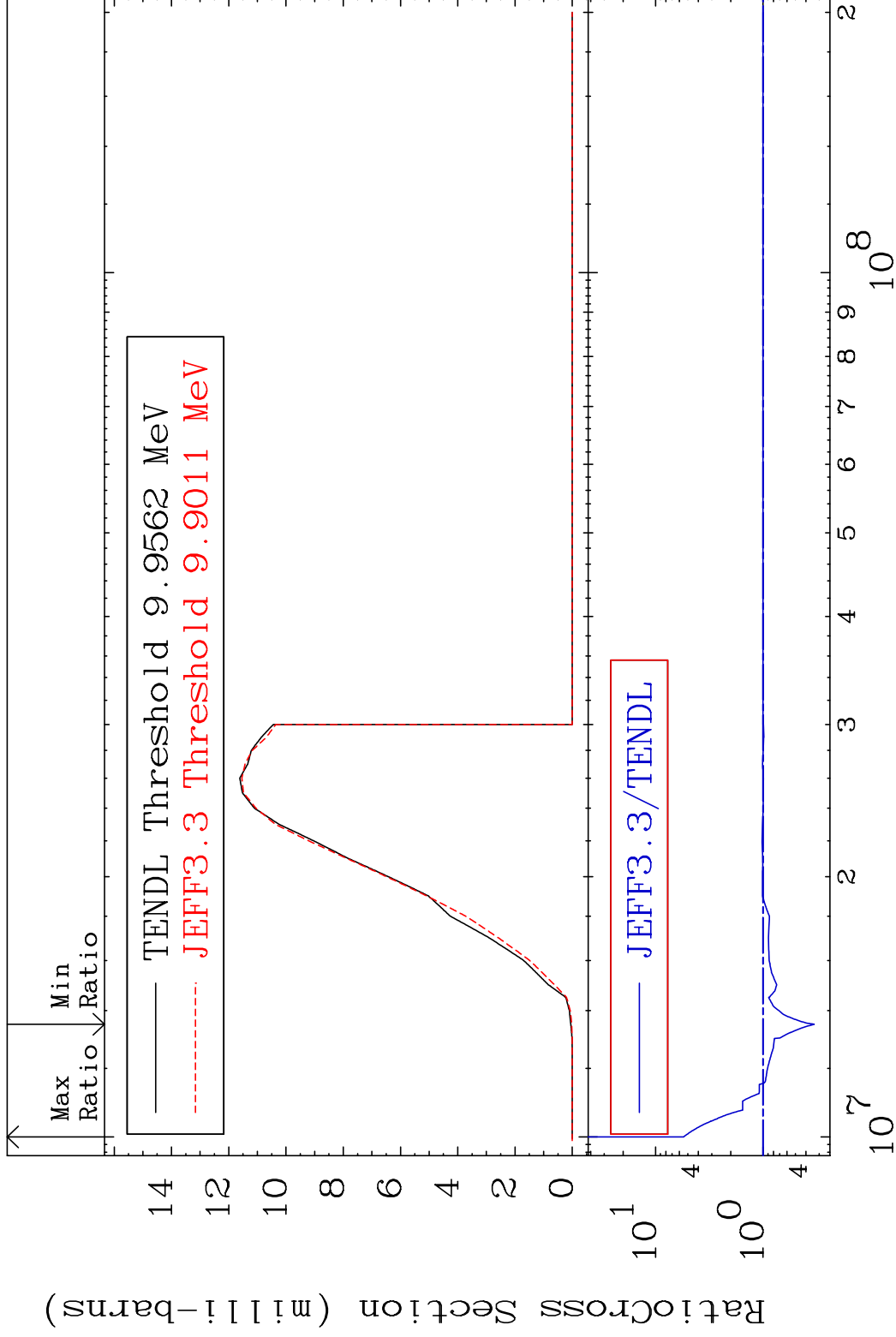
20-Ca-43

MAT 2034

(n, t)

20-Ca-43

Cross Section -66.50 To 447.0 %



53

Incident Energy (eV)

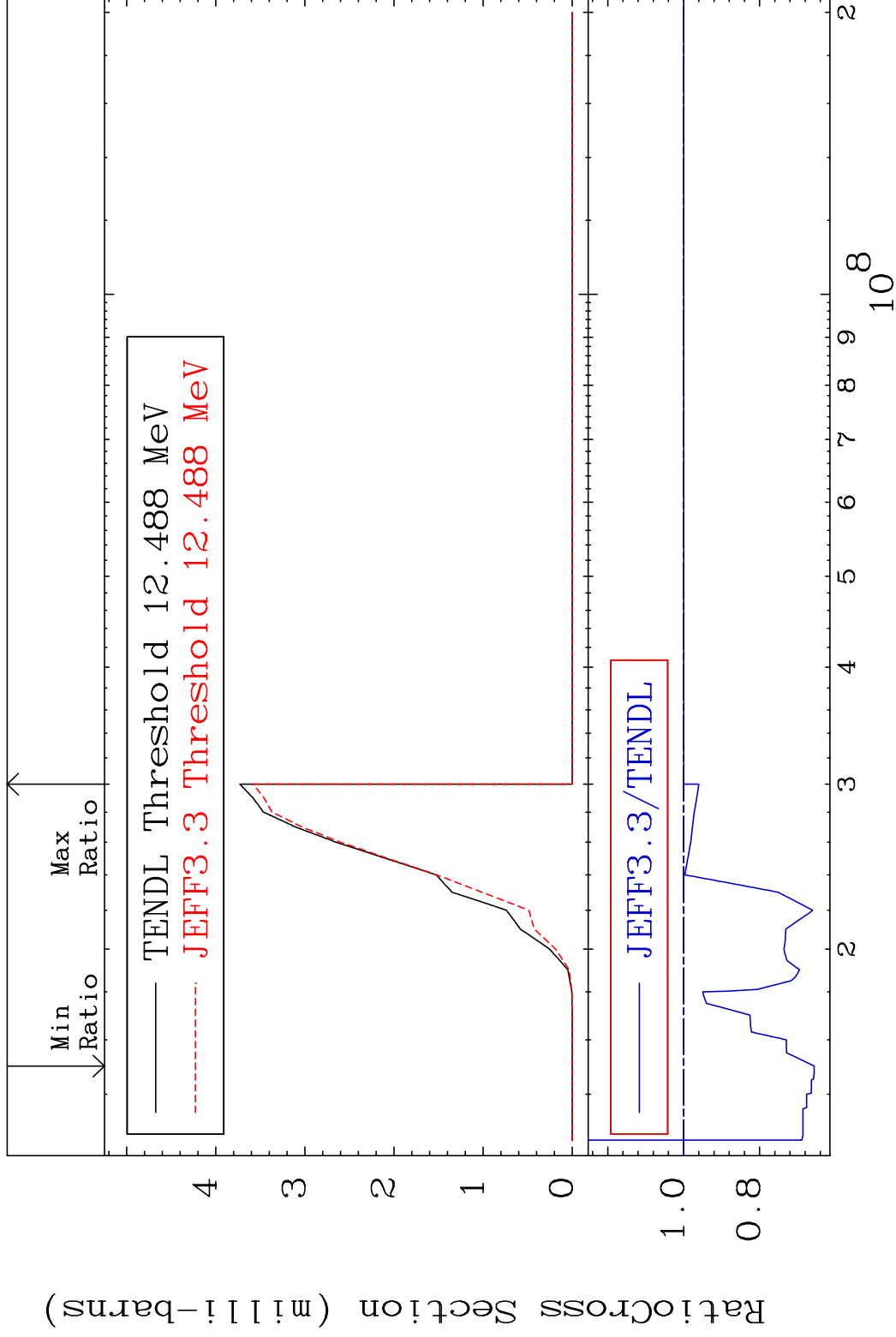
20-Ca-43

MAT 2034

(n, He-3)

20-Ca-43

Cross Section -34.36 To 0.000 %



54

Incident Energy (eV)

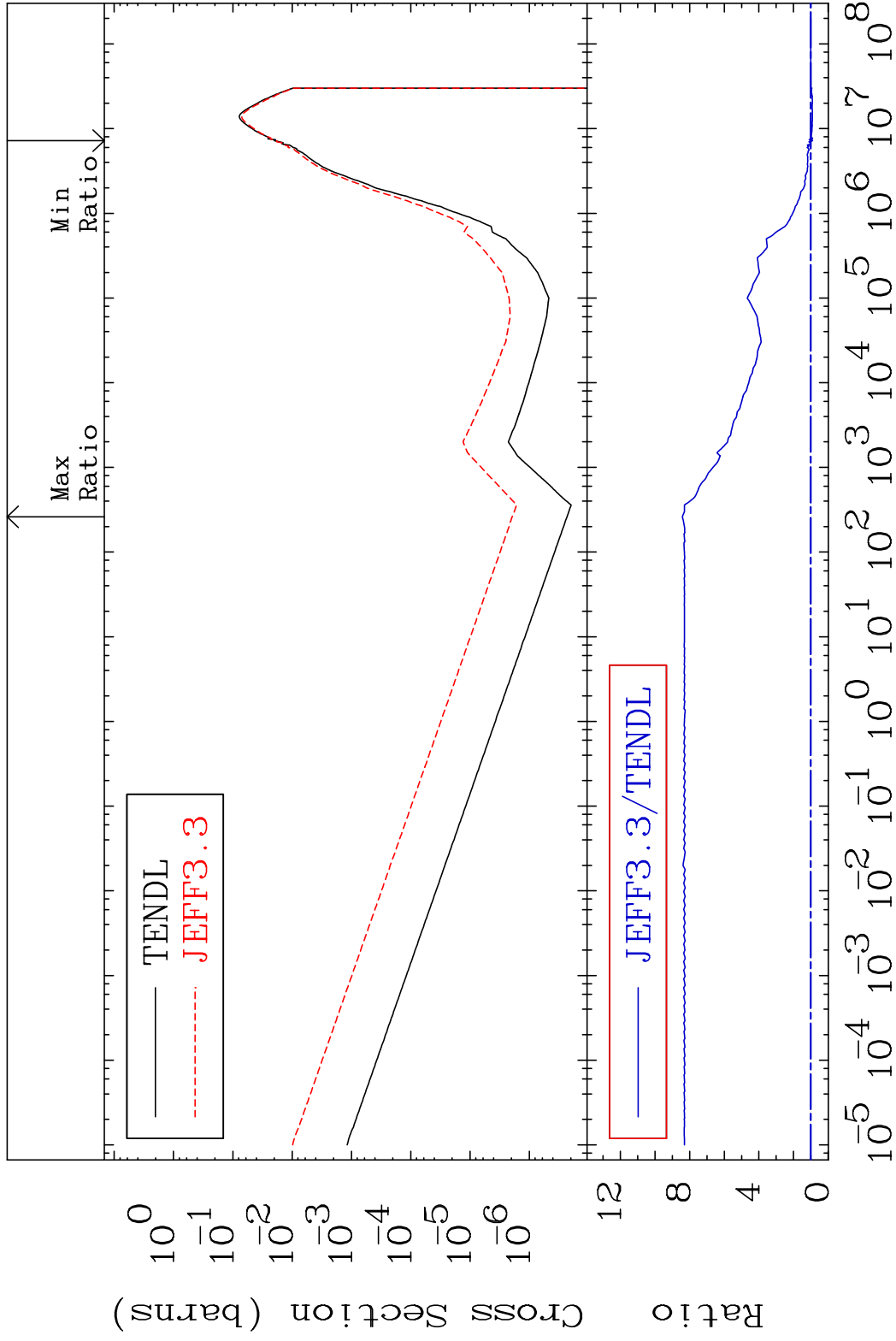
20-Ca-43

MAT 2034

(n,  $\alpha$ )

20-Ca-43

Cross Section -9.943 To 742.1 %



55

Incident Energy (eV)

20-Ca-43

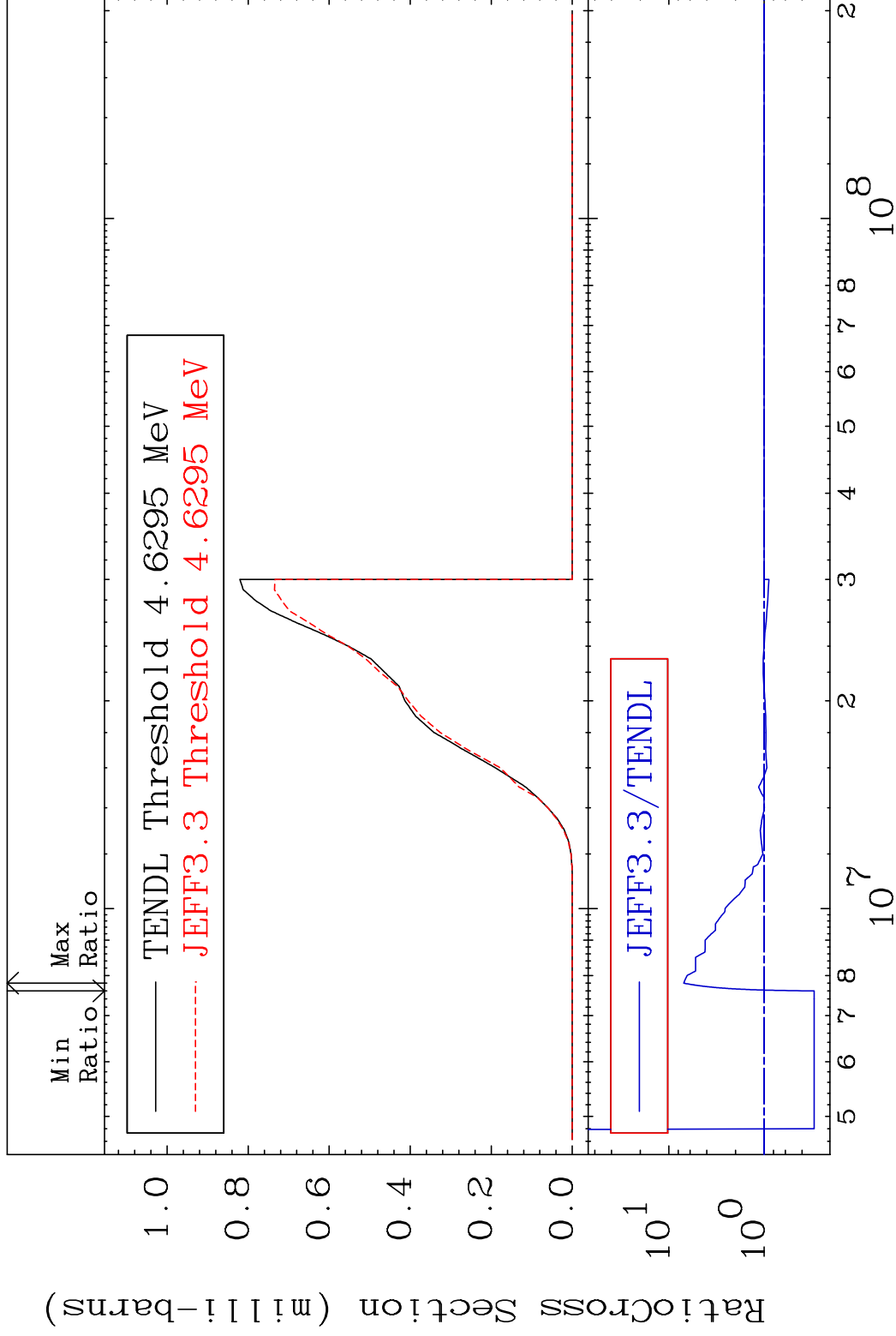


MAT 2034

(n,2α)

20-Ca-43

Cross Section -70.08 To 599.7 %

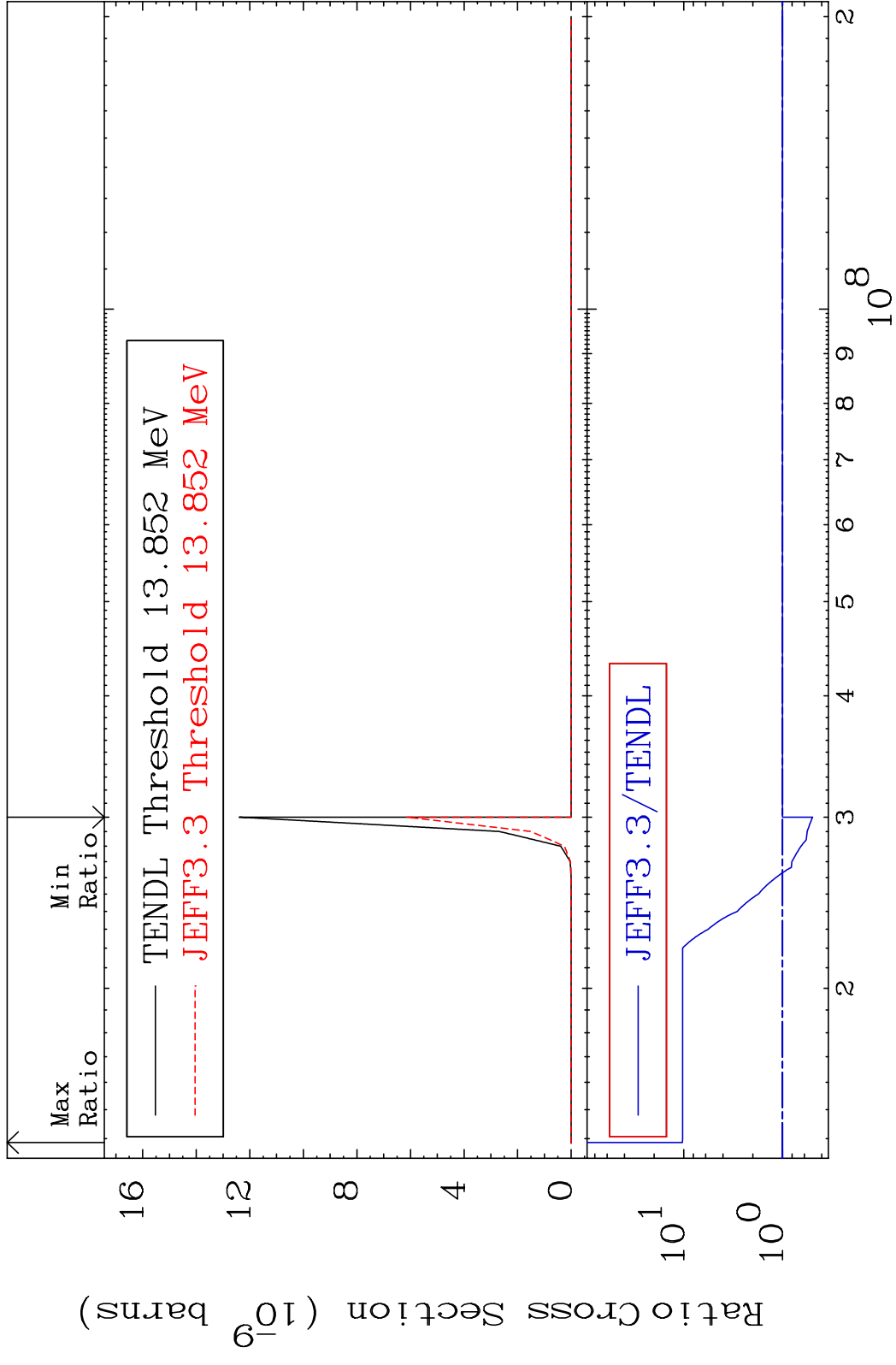


56

Incident Energy (eV)

20-Ca-43

MAT 2034 (n,3α) 20-Ca-43  
 Cross Section -50.46 To 934.7 %

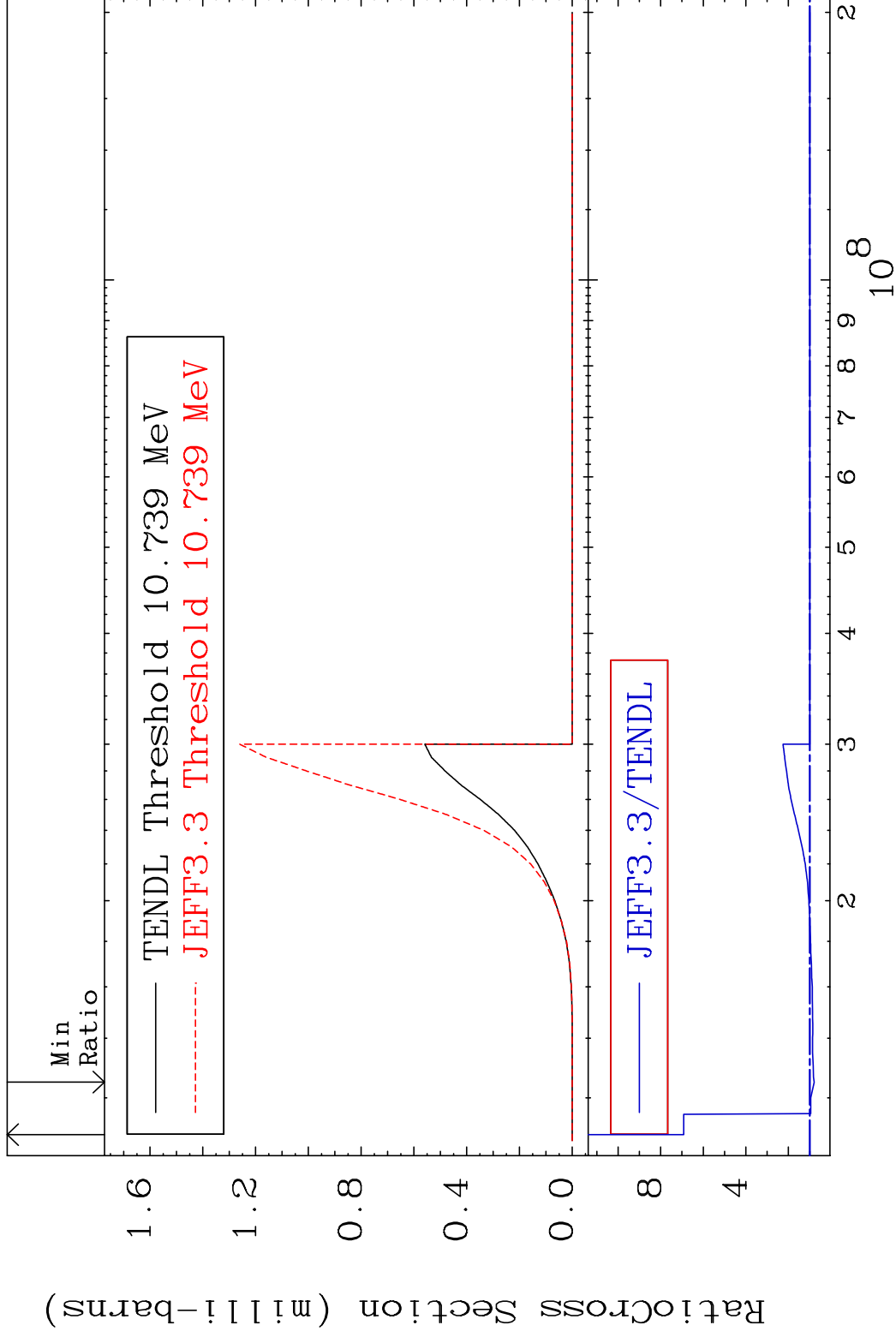


MAT 2034

(n,2p)

20-Ca-43

Cross Section -20.65 To 591.9 %

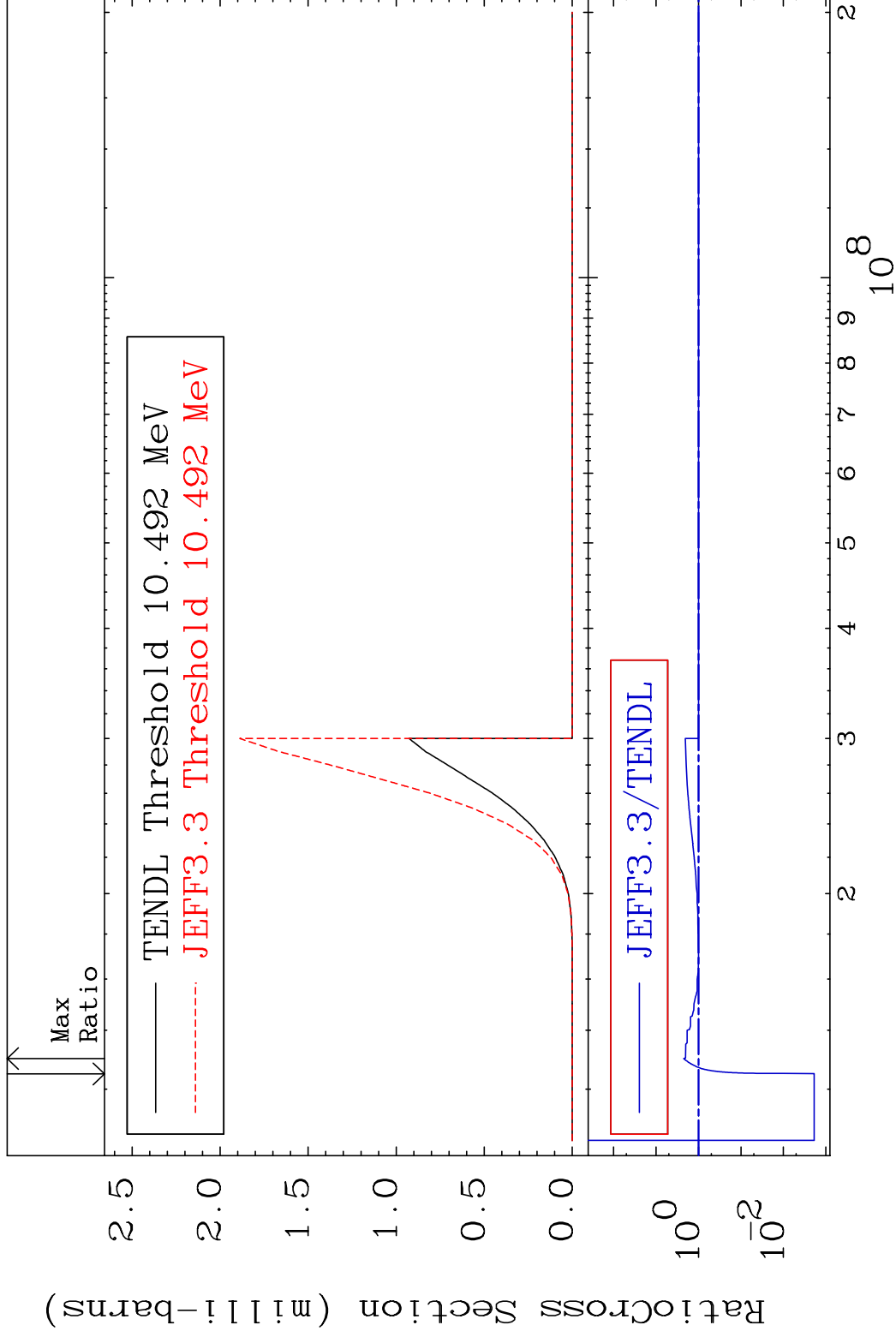


MAT 2034

(n,p)  $\alpha$

20-Ca-43

Cross Section -99.81 To 123.8 %

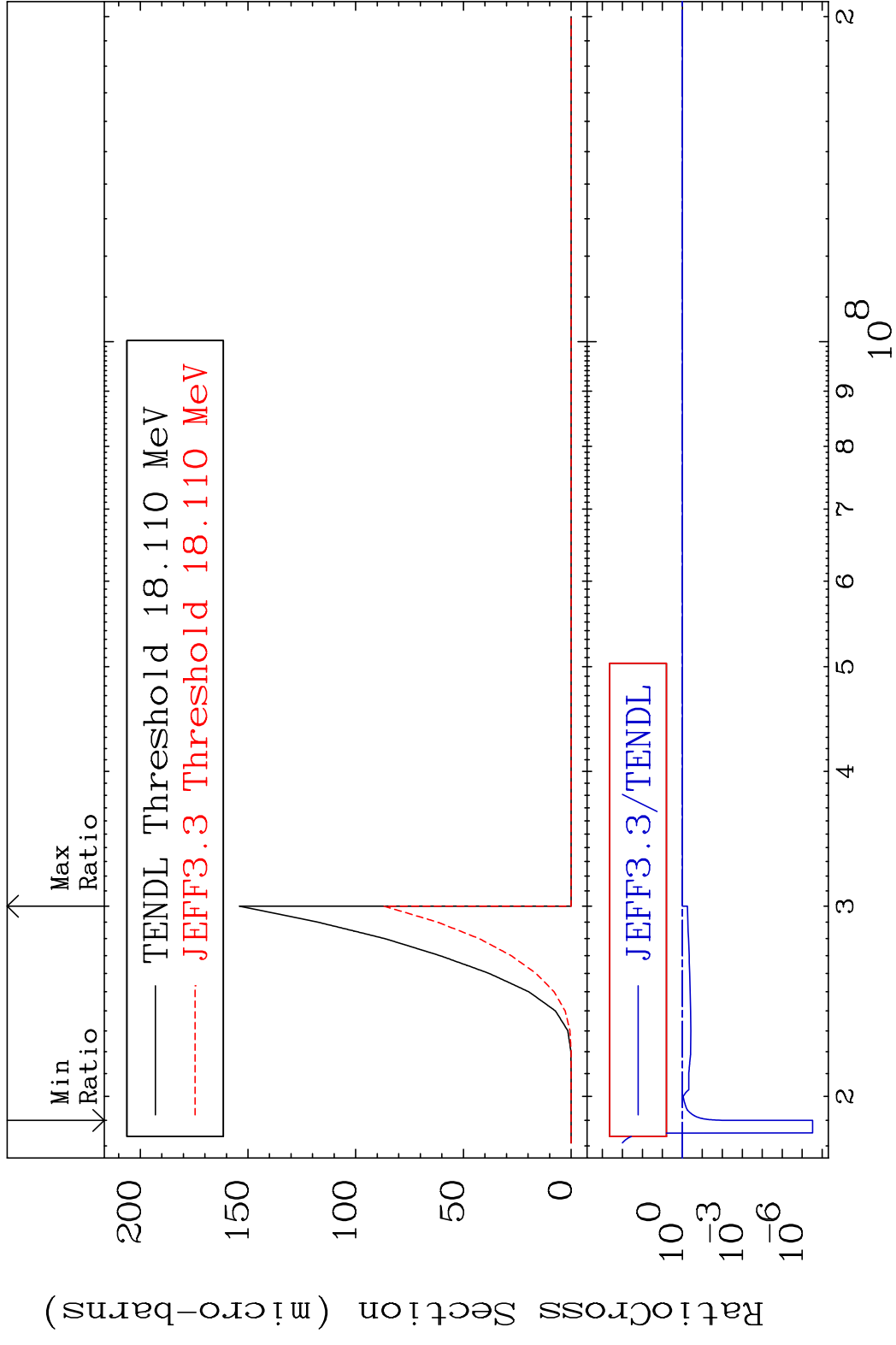


59

Incident Energy (eV)

20-Ca-43

MAT 2034 (n,p) d 20-Ca-43  
 Cross Section -100.0 To 0.000 %

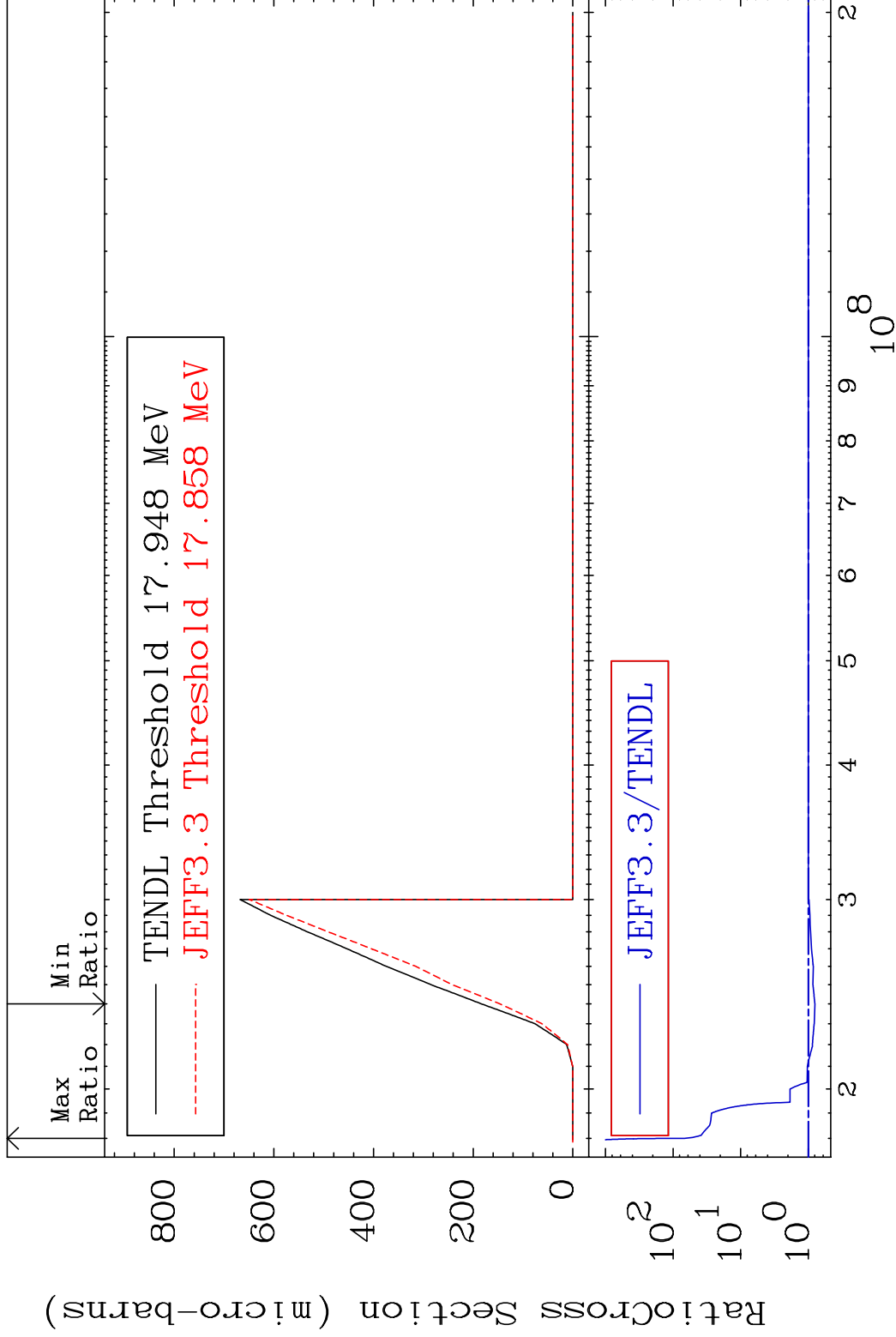


MAT 2034

(n,p) t

20-Ca-43

Cross Section -20.29 To 6712. %



61

Incident Energy (eV)

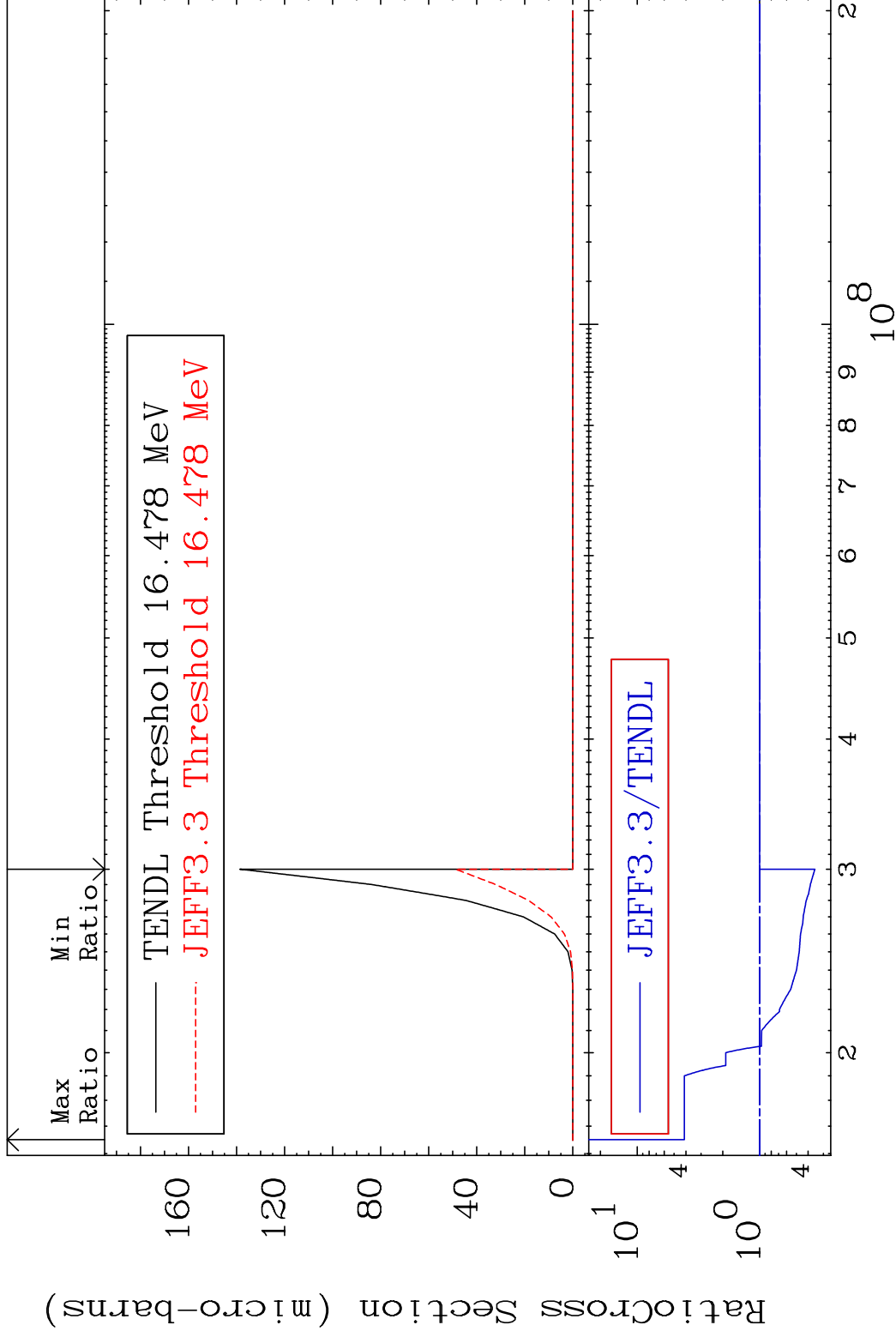
20-Ca-43

MAT 2034

(n,d)  $\alpha$

20-Ca-43

Cross Section -64.74 To 311.8 %

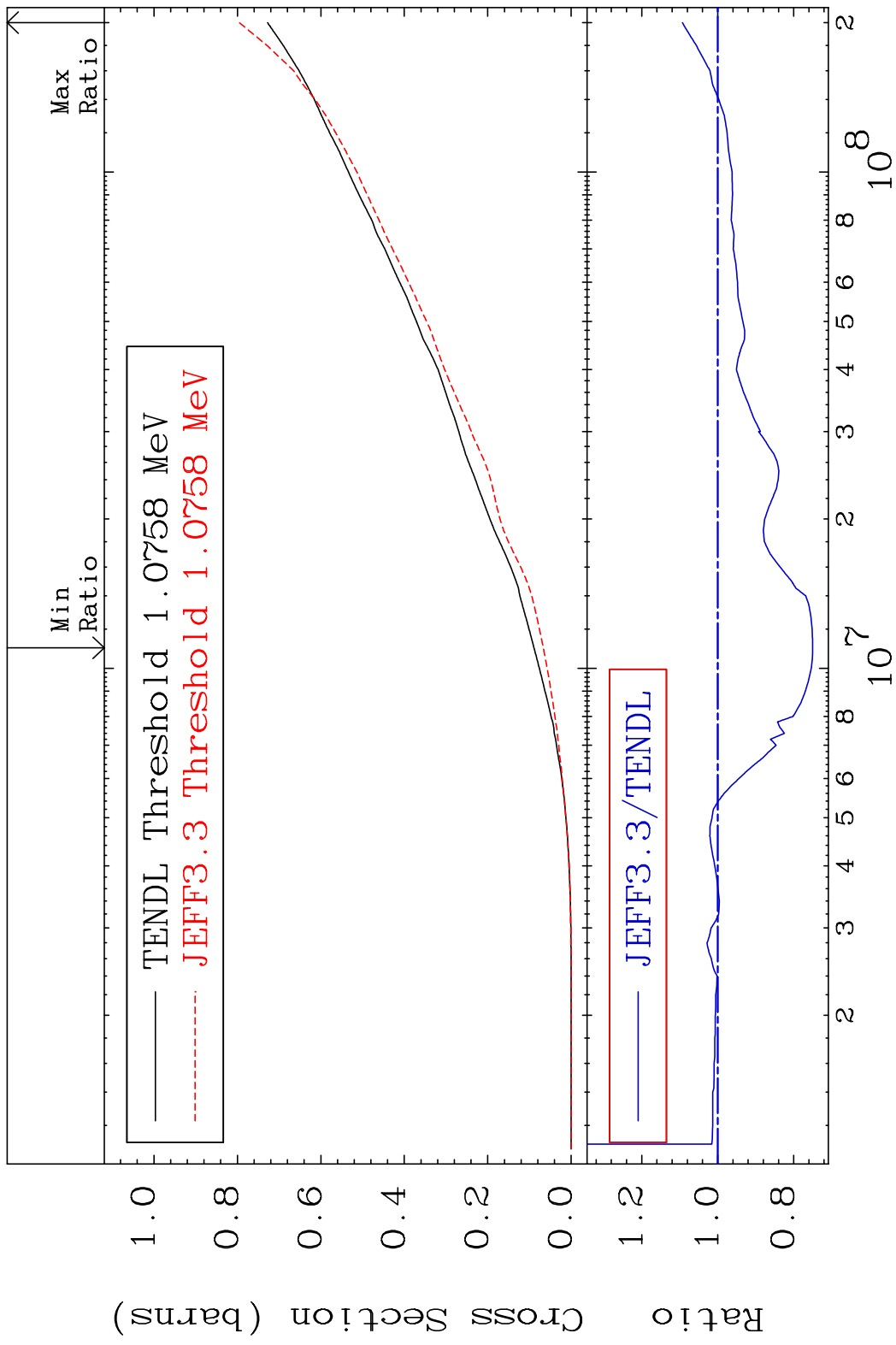


62

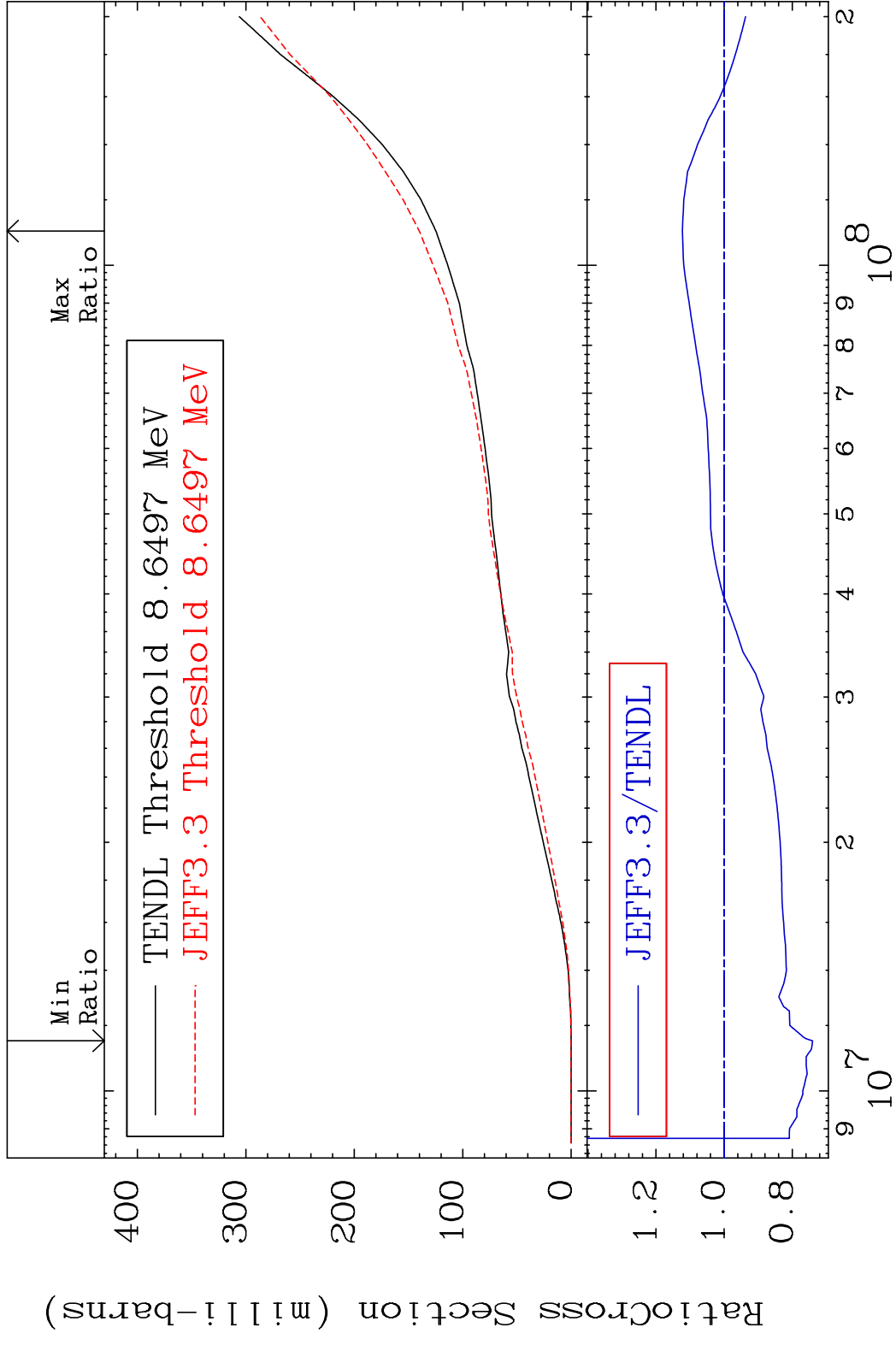
Incident Energy (eV)

20-Ca-43

MAT 2034 Hydrogen Production 20-Ca-43  
 Cross Section -24.96 To 9.304 %





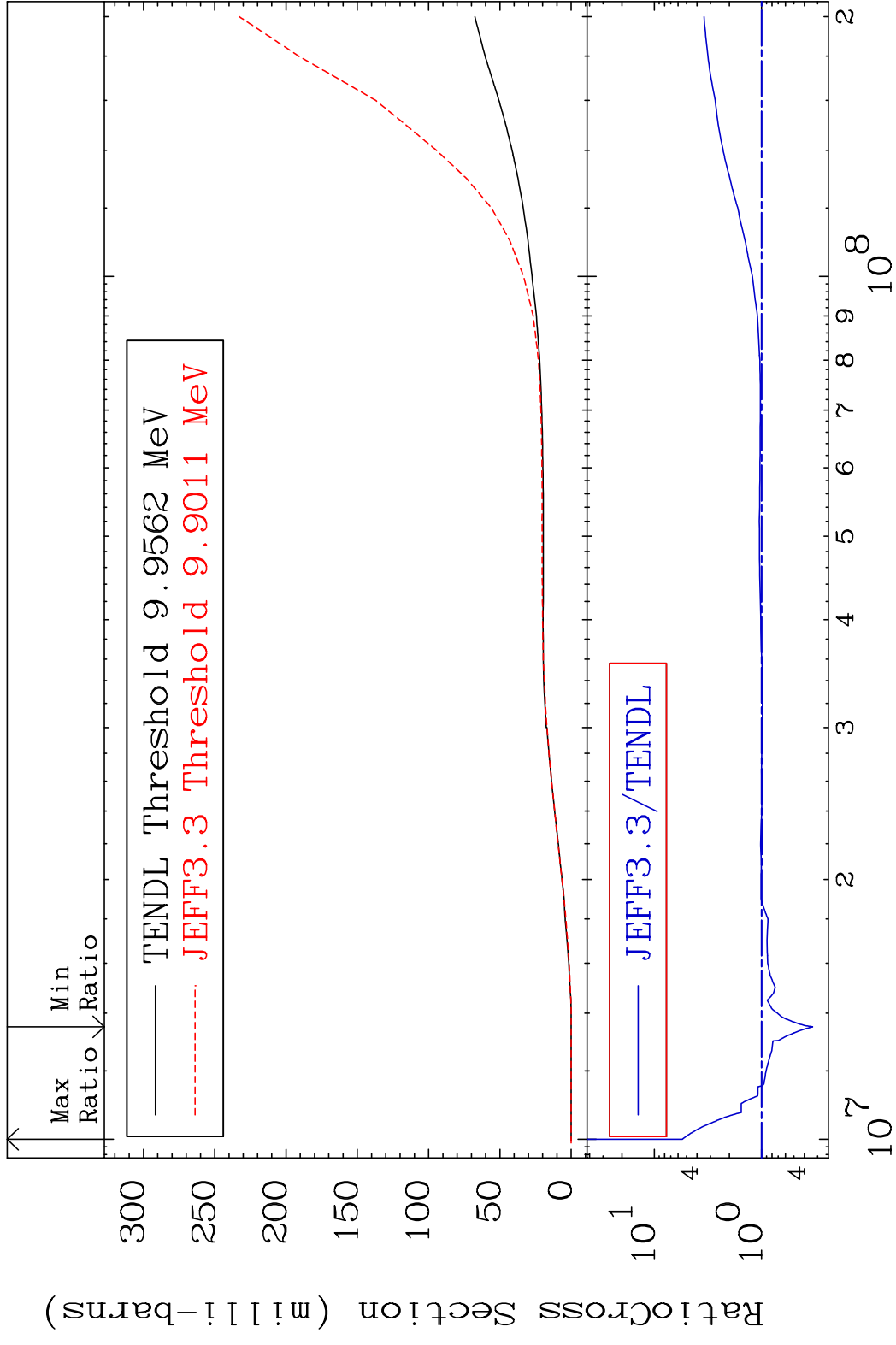


MAT 2034

Tritium Production

20-Ca-43

Cross Section -66.50 To 447.0 %

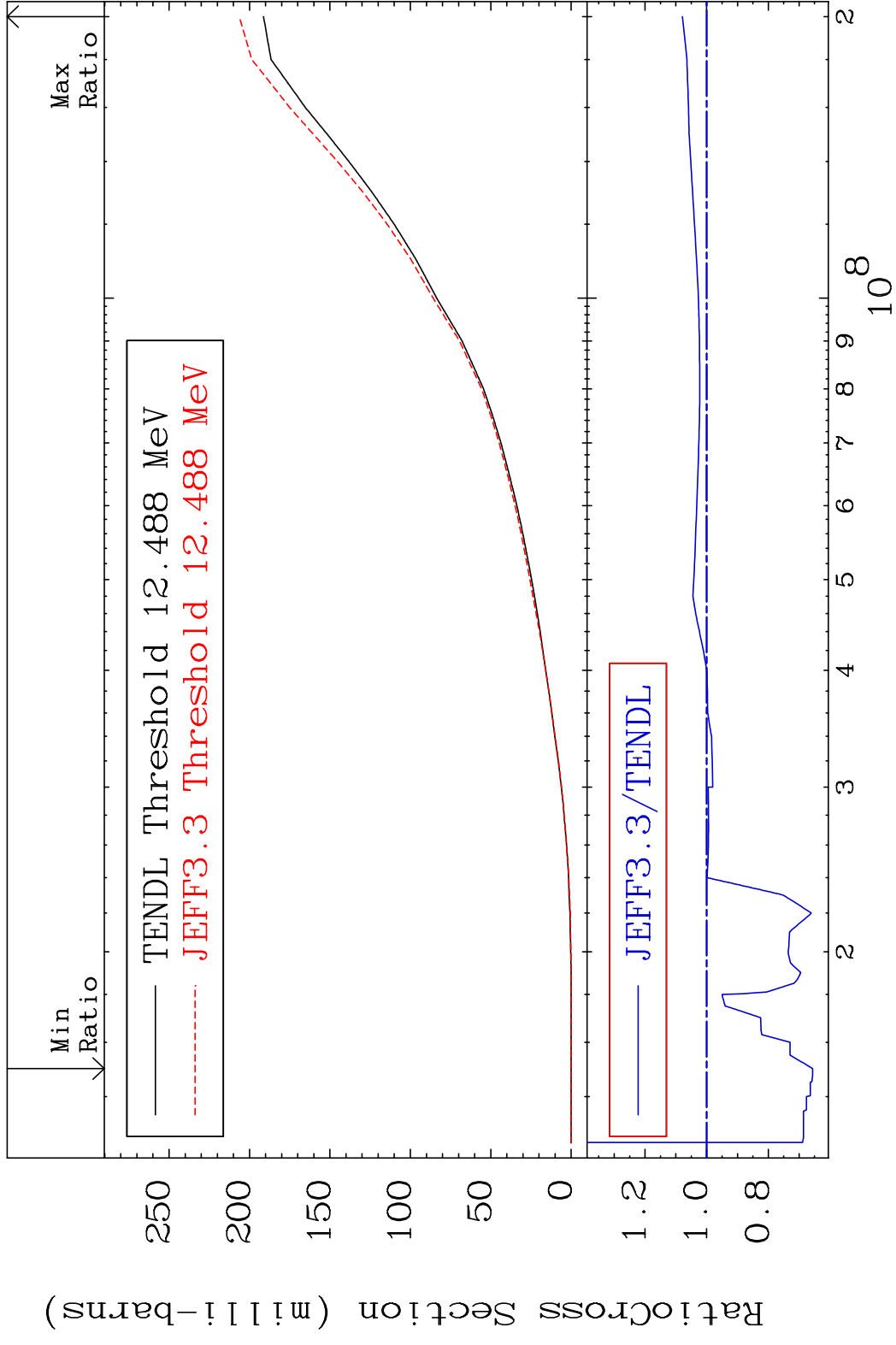


MAT 2034

He-3 Production

20-Ca-43

Cross Section -34.36 To 7.889 %

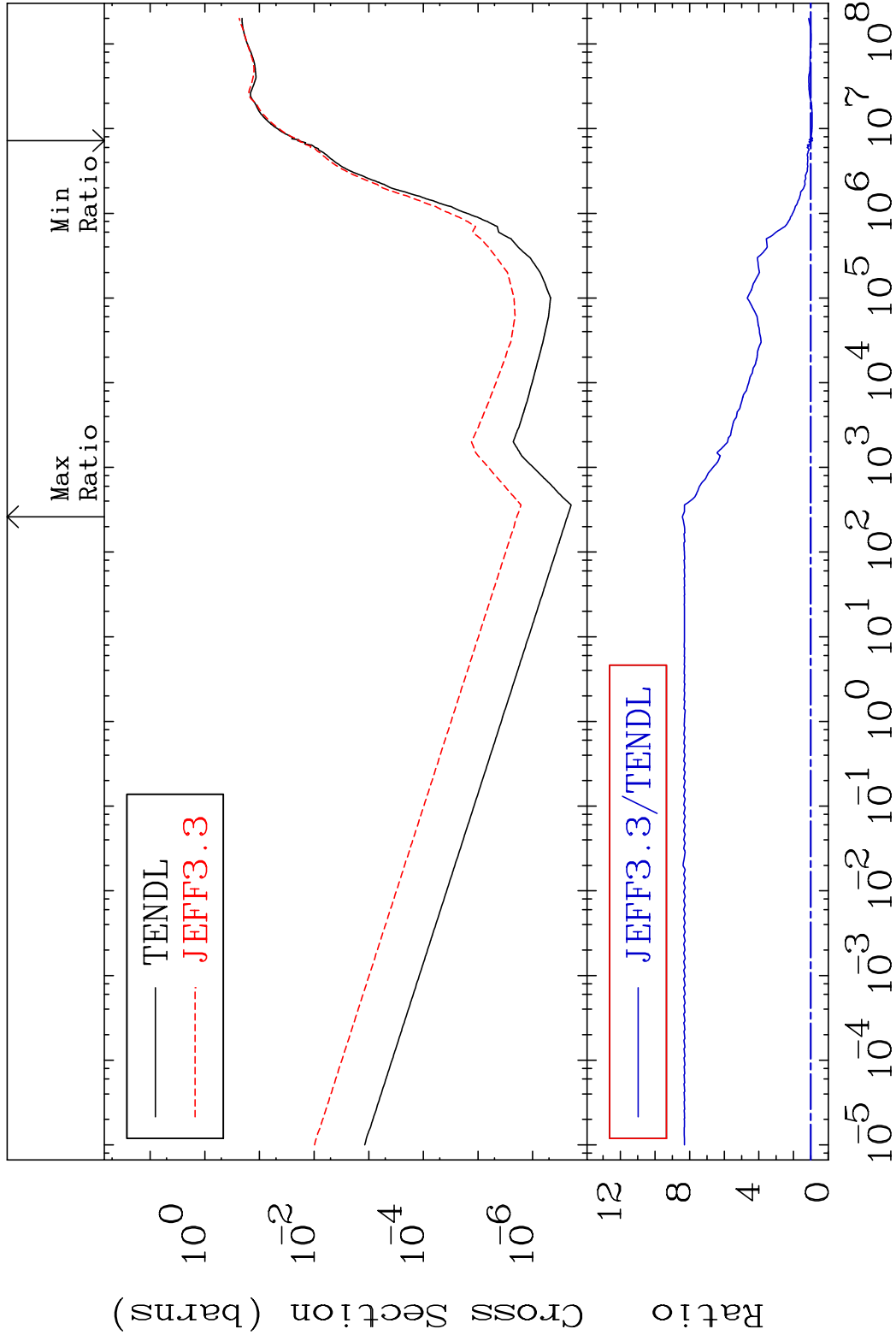


MAT 2034

He-4 Production

20-Ca-43

Cross Section -9.943 To 742.1 %

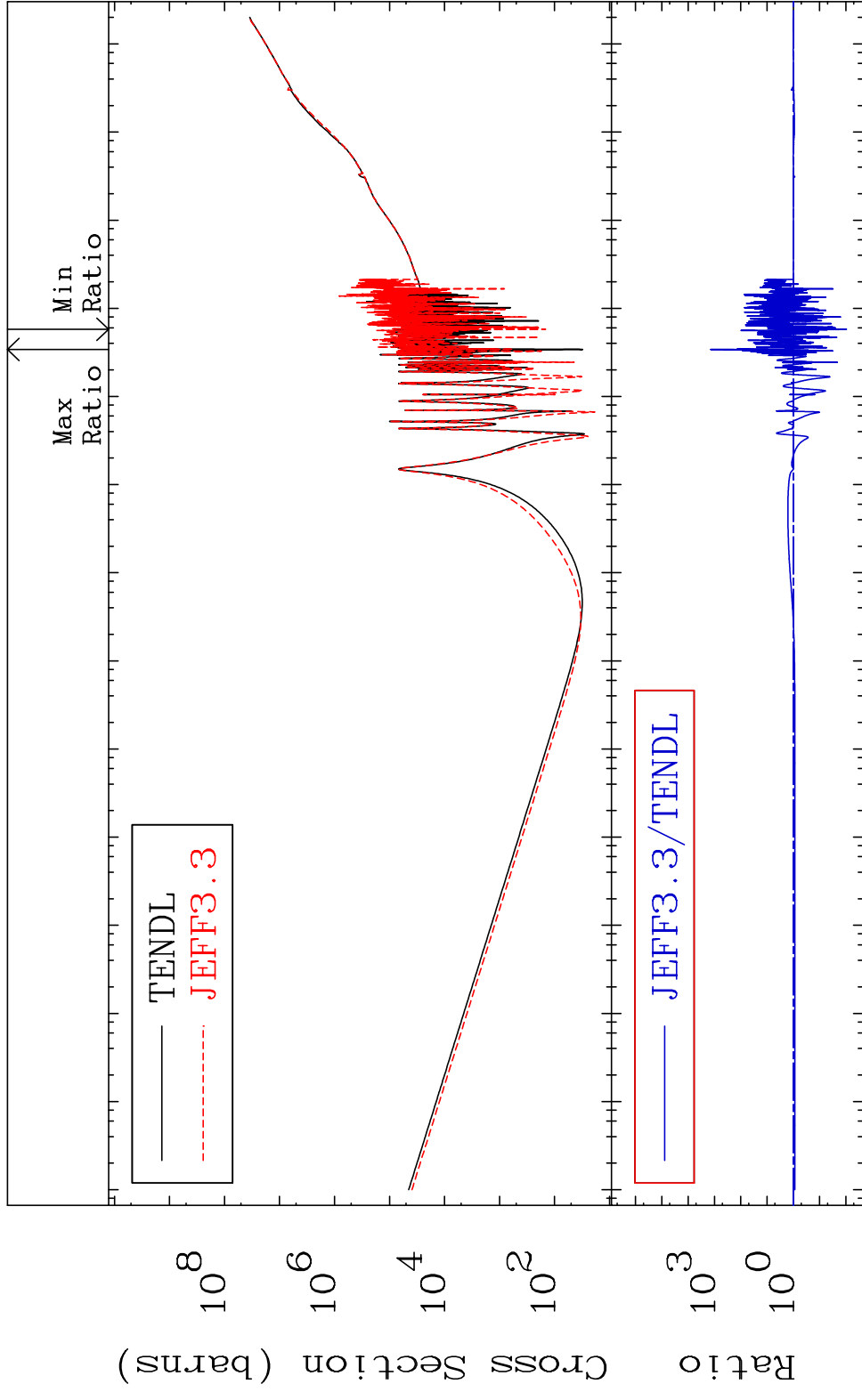


67

Incident Energy (eV)

20-Ca-43

MAT 2034 Kerma total (eV-barns) 20-Ca-43  
 Cross Section -99.03 To 9999. %



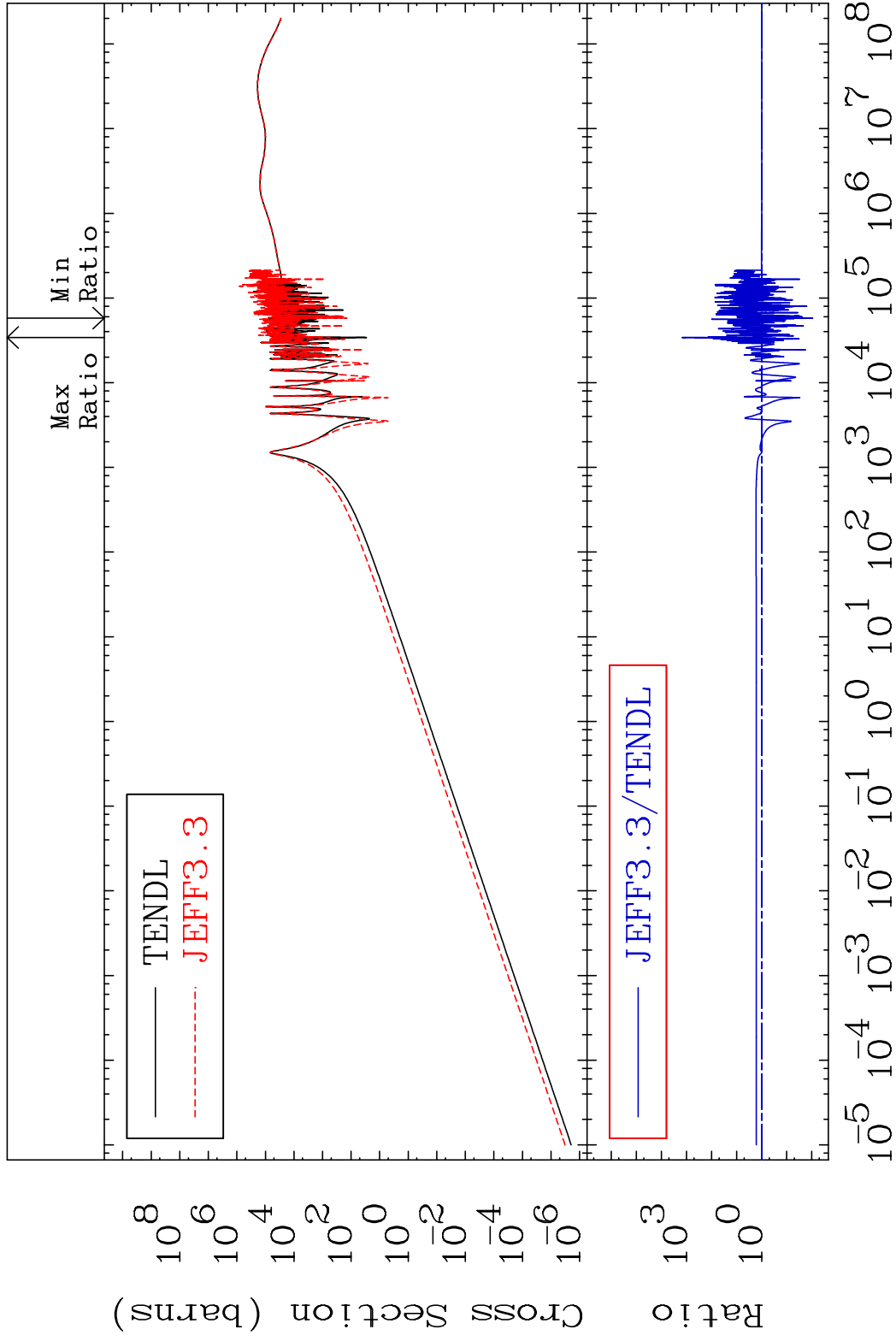
68 Incident Energy (eV) 20-Ca-43

MAT 2034

Kerma elastic

20-Ca-43

Cross Section -99.07 To 9999. %

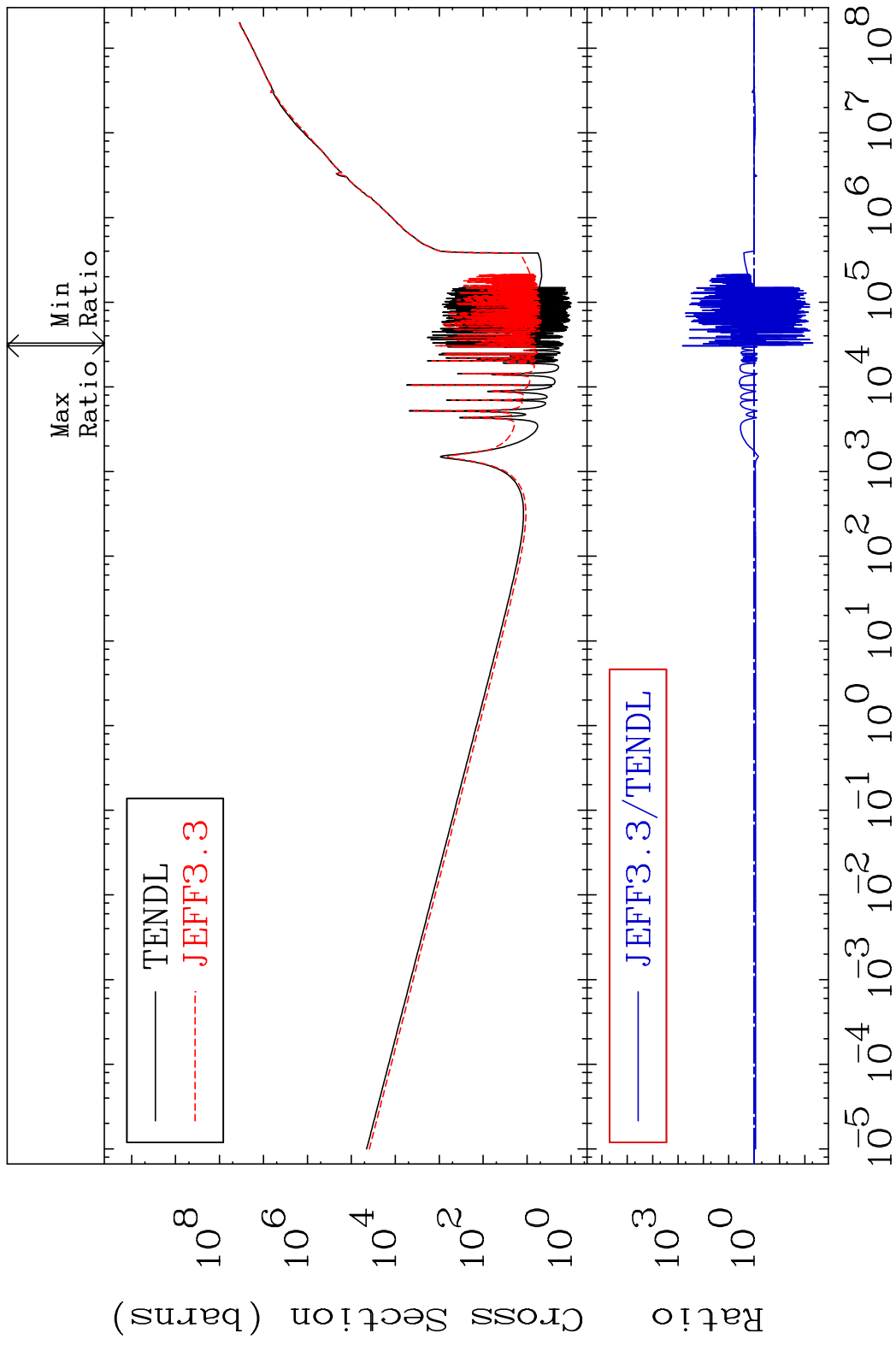


69

Incident Energy (eV)

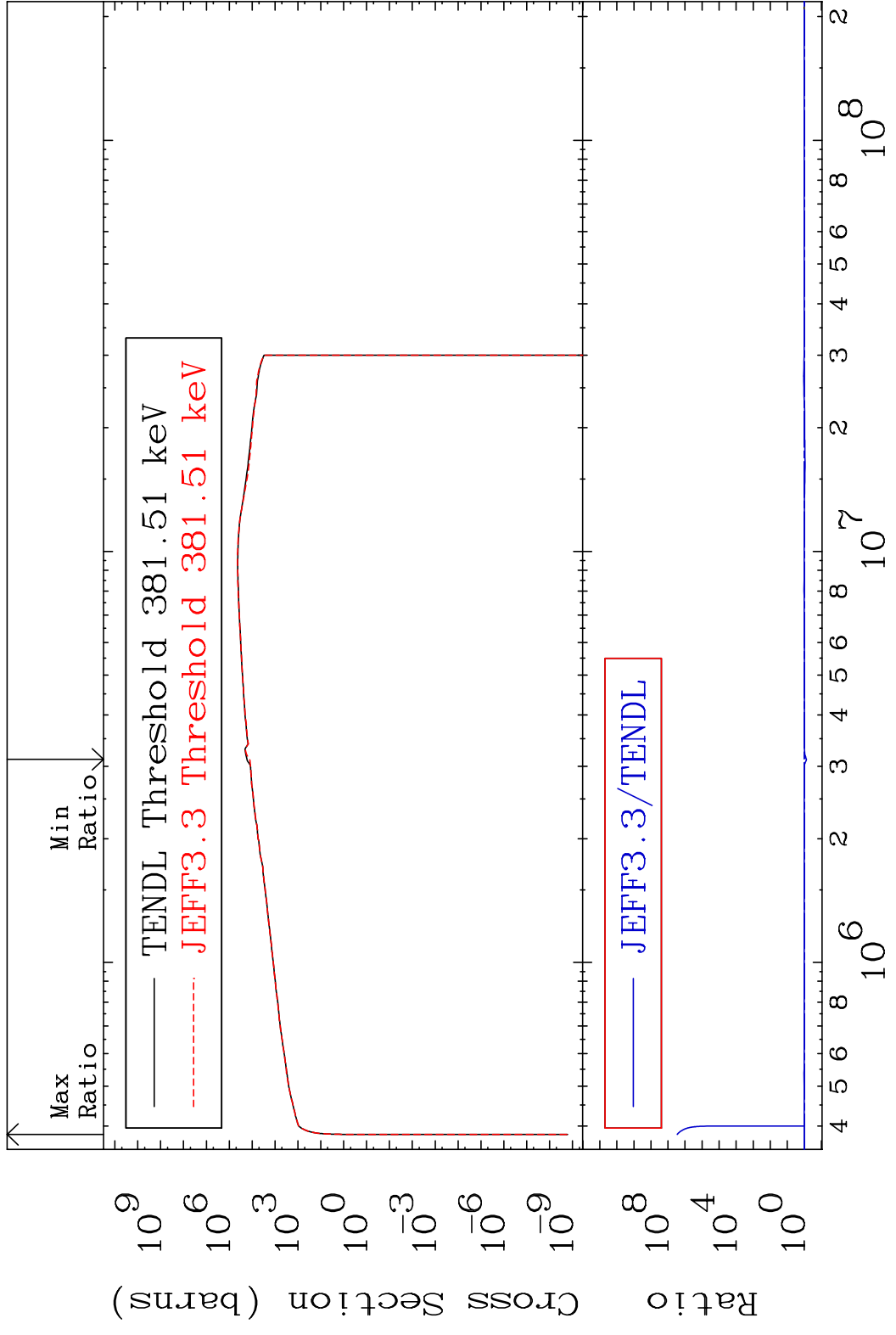
20-Ca-43

MAT 2034 Kerma non-elastic (all but mt2) 20-Ca-43  
 Cross Section -99.50 To 9999. %



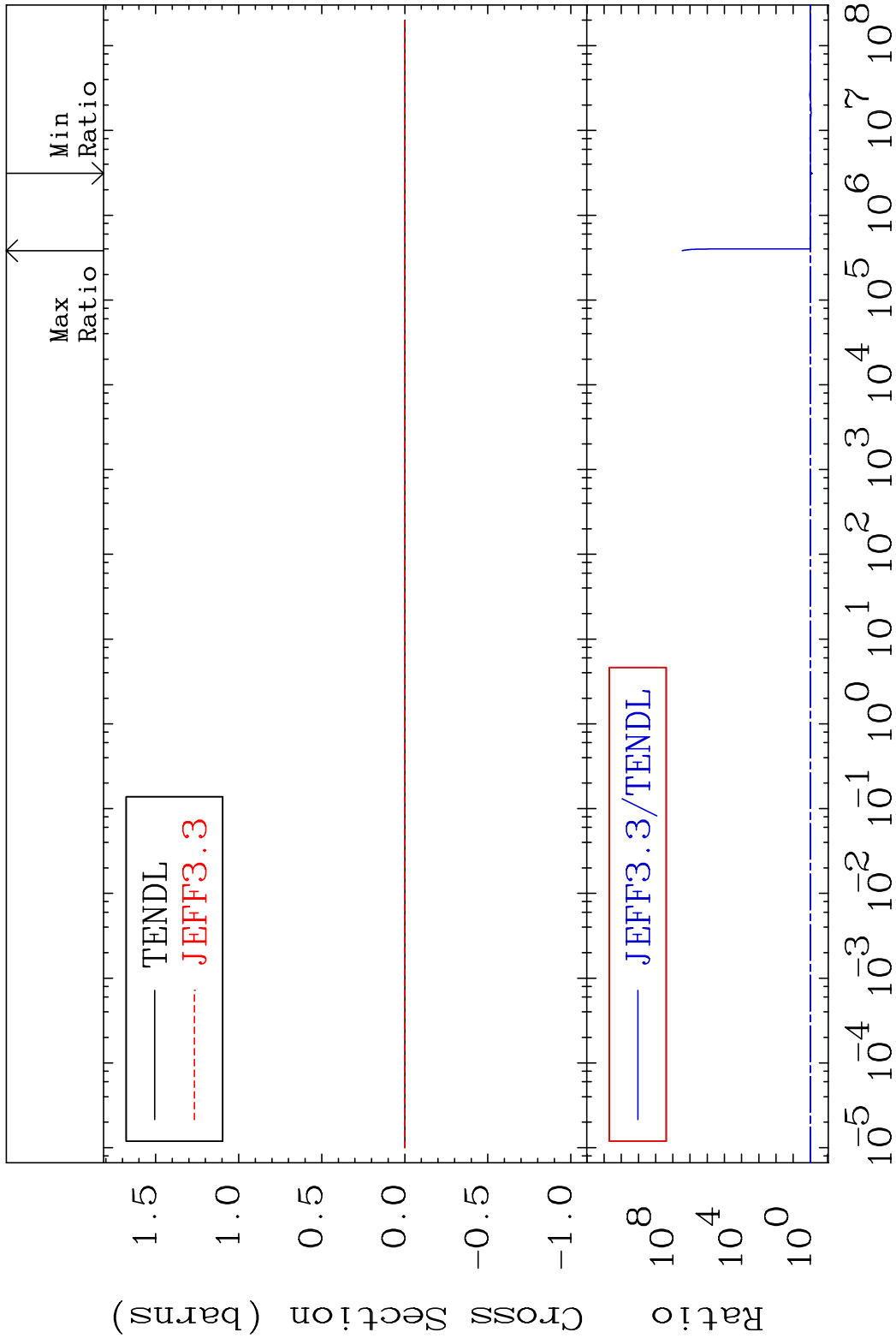
70 Incident Energy (eV) 20-Ca-43

MAT 2034 Kerma inelastic (mt51-91) 20-Ca-43  
 Cross Section -24.92 To 9999. %



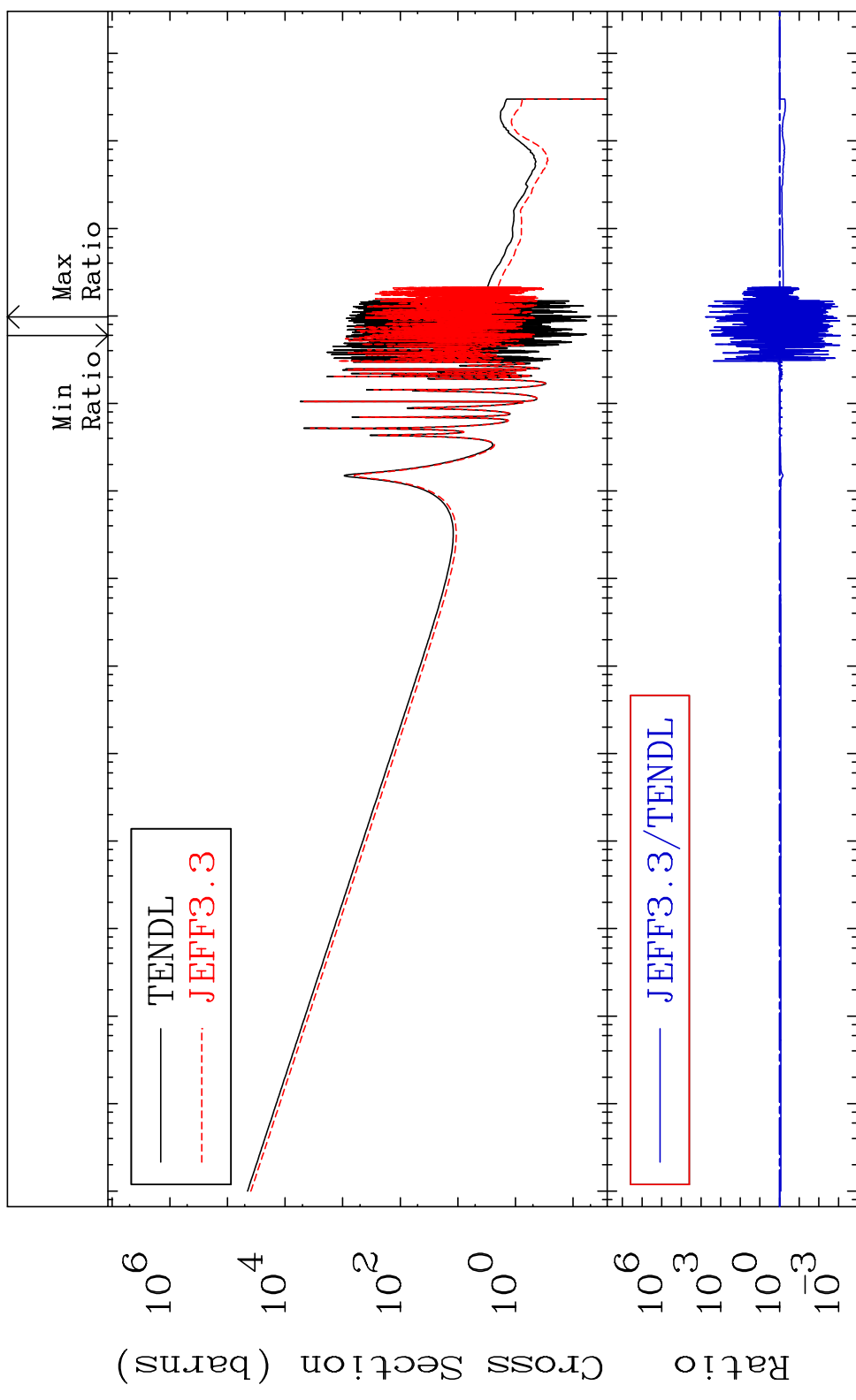


MAT 2034 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-43  
 Cross Section -24.92 To 9999. %



MAT 2034

Kerma capture (mt102) 20-Ca-43  
Cross Section -99.92 To 9999. %

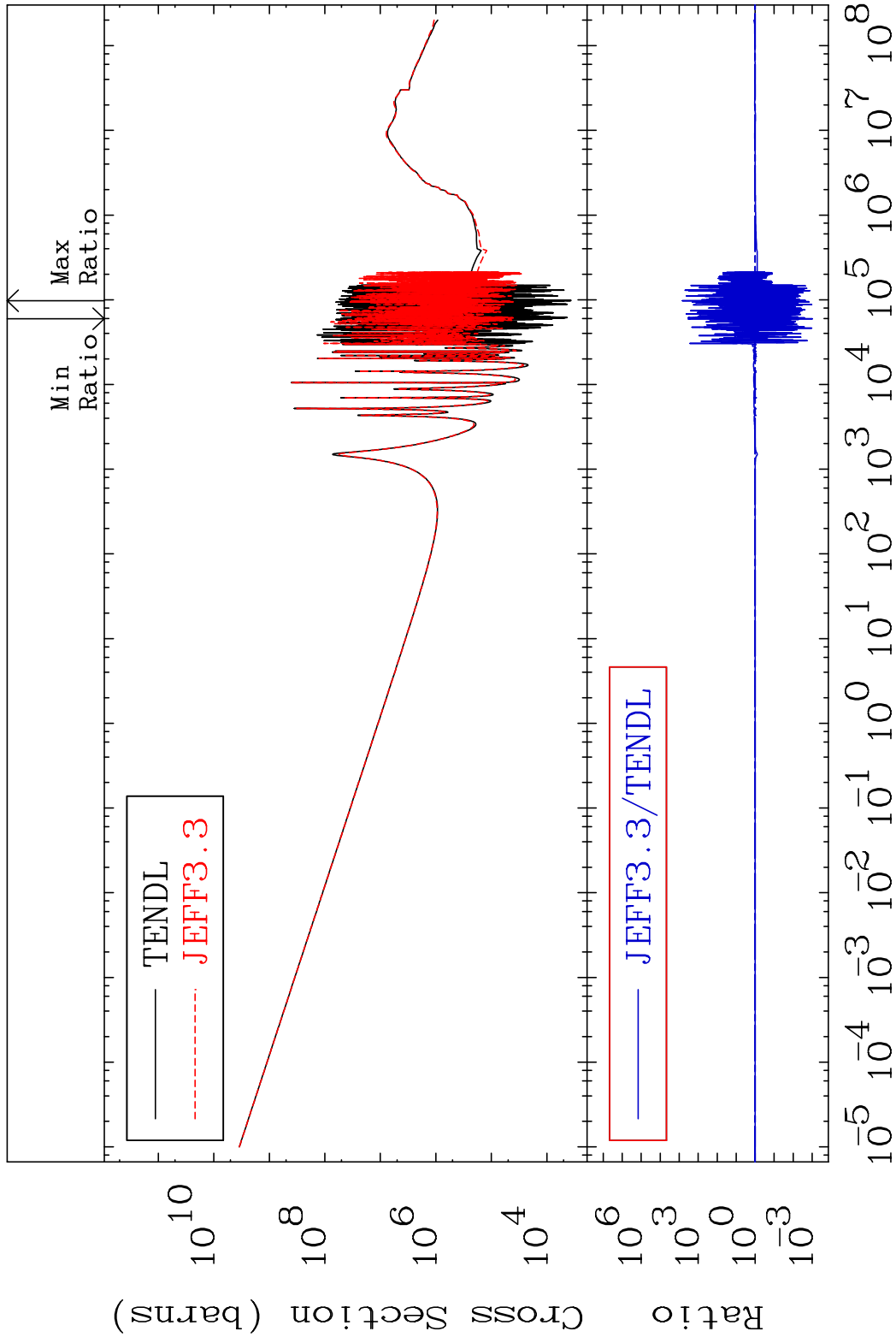


73

Incident Energy (eV)

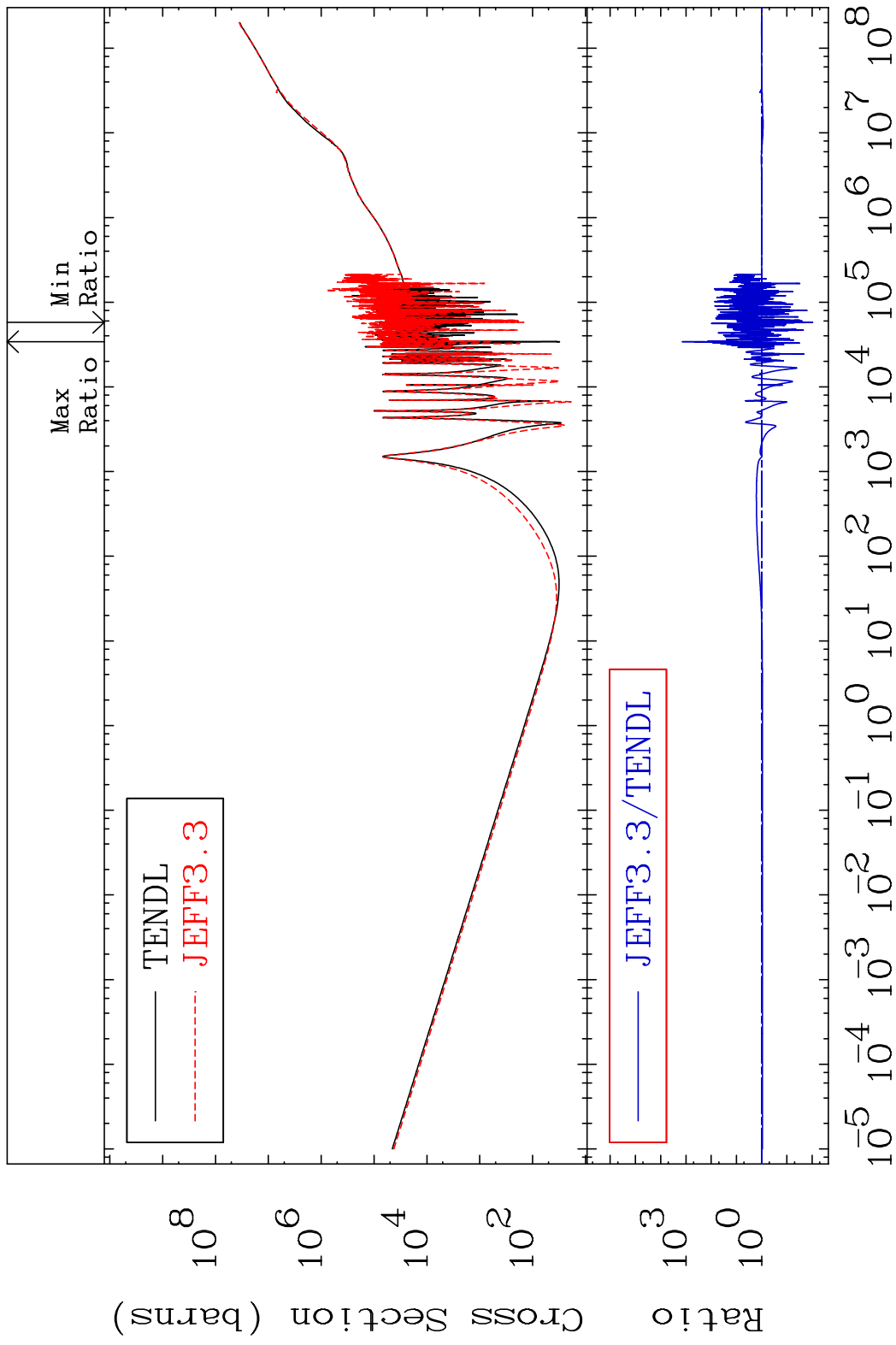
20-Ca-43

MAT 2034 Total photon (eV-barns) 20-Ca-43  
 Cross Section -99.90 To 9999. %



74 Incident Energy (eV) 20-Ca-43

MAT 2034 Total kinematic kerma (high limit) 20-Ca-43  
 Cross Section -99.03 To 9999. %



75 Incident Energy (eV) 20-Ca-43

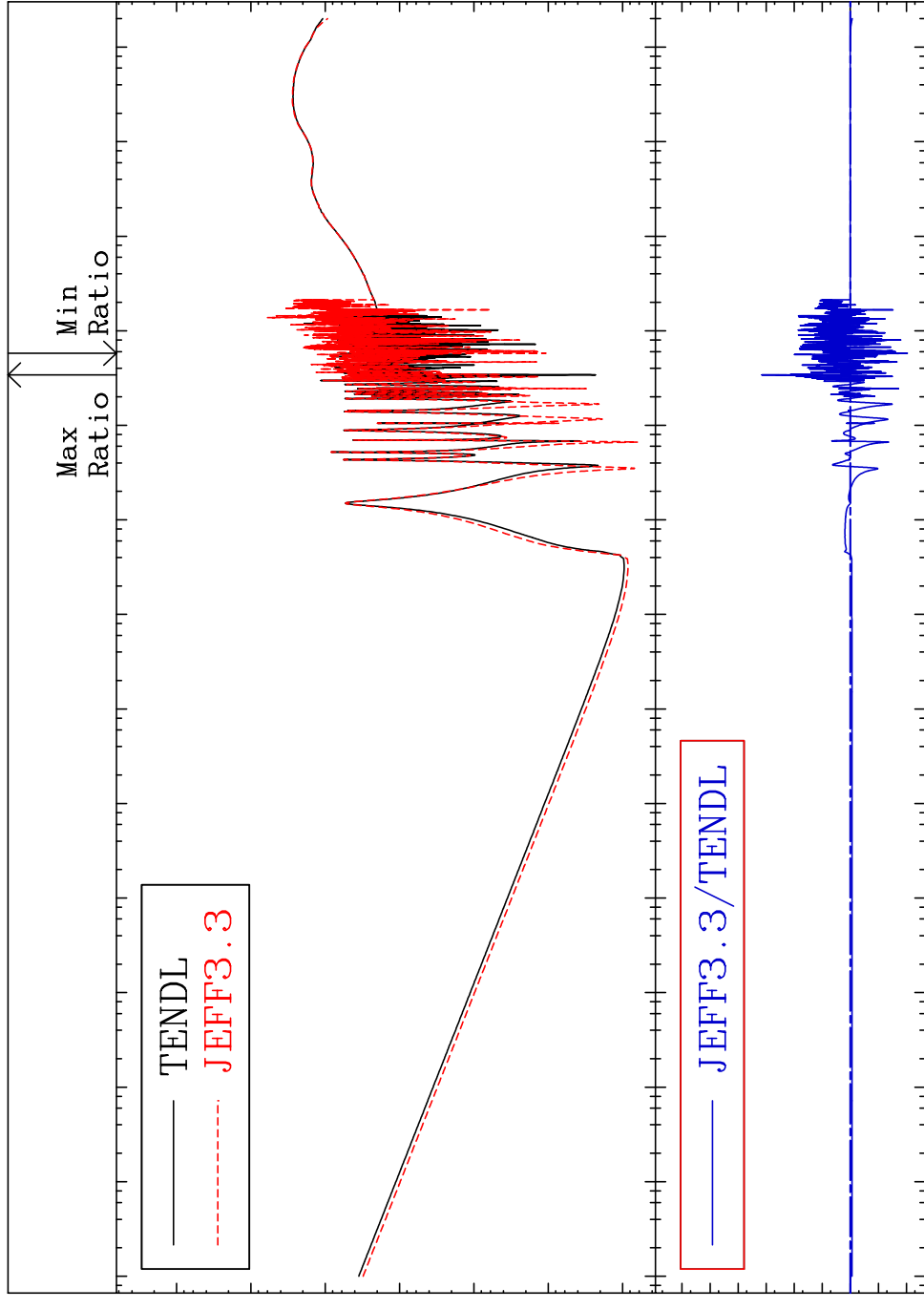
MAT 2034

Dpa total (eV-barns)

20-Ca-43

Cross Section

-99.06 To 9999. %



10<sup>7</sup>  
10<sup>6</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>  
Ratio  
10<sup>3</sup>  
10<sup>0</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>

76

Incident Energy (eV)

20-Ca-43

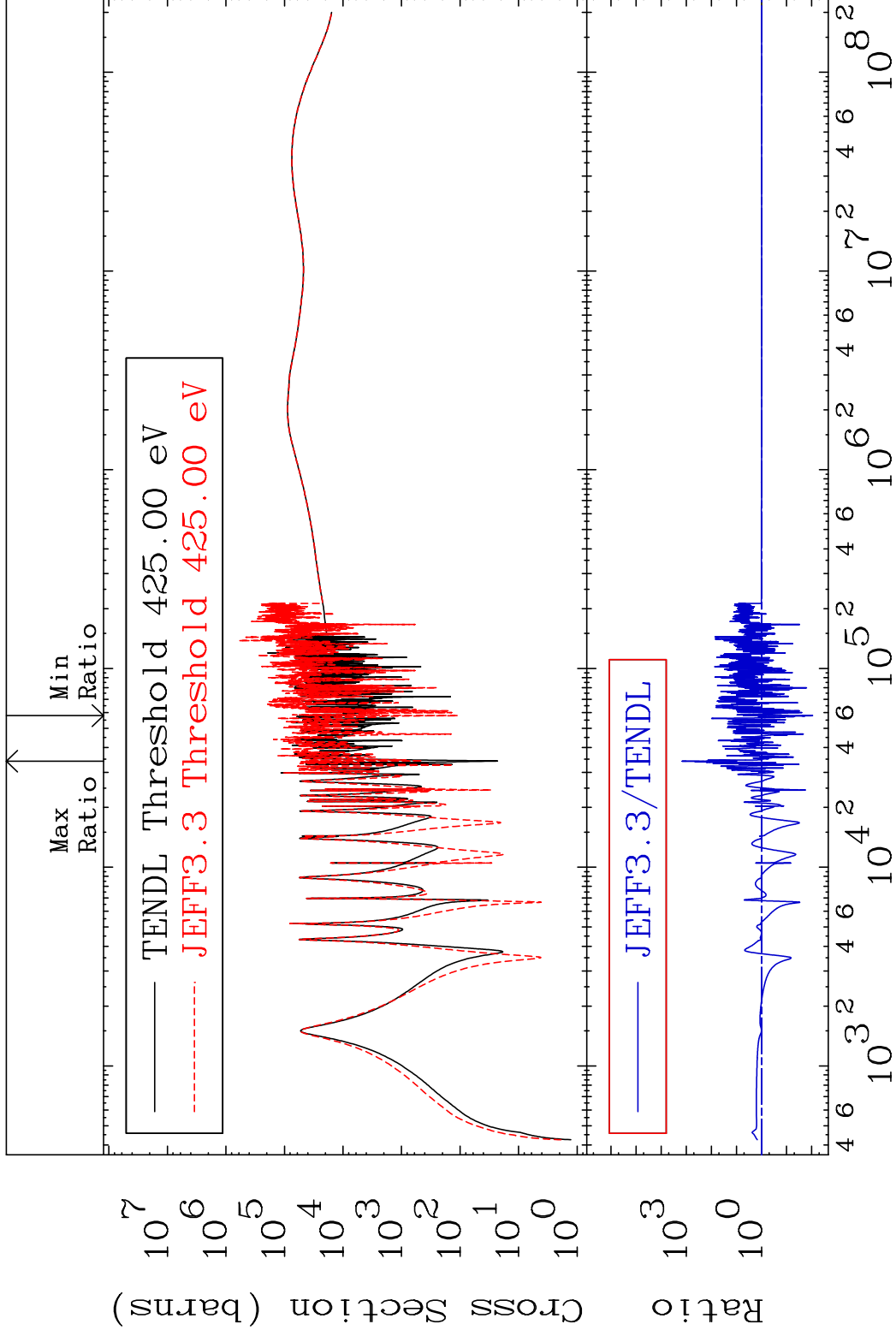
MAT 2034

Dpa elastic (mt2)

20-Ca-43

Cross Section

-99.07 To 9999. %

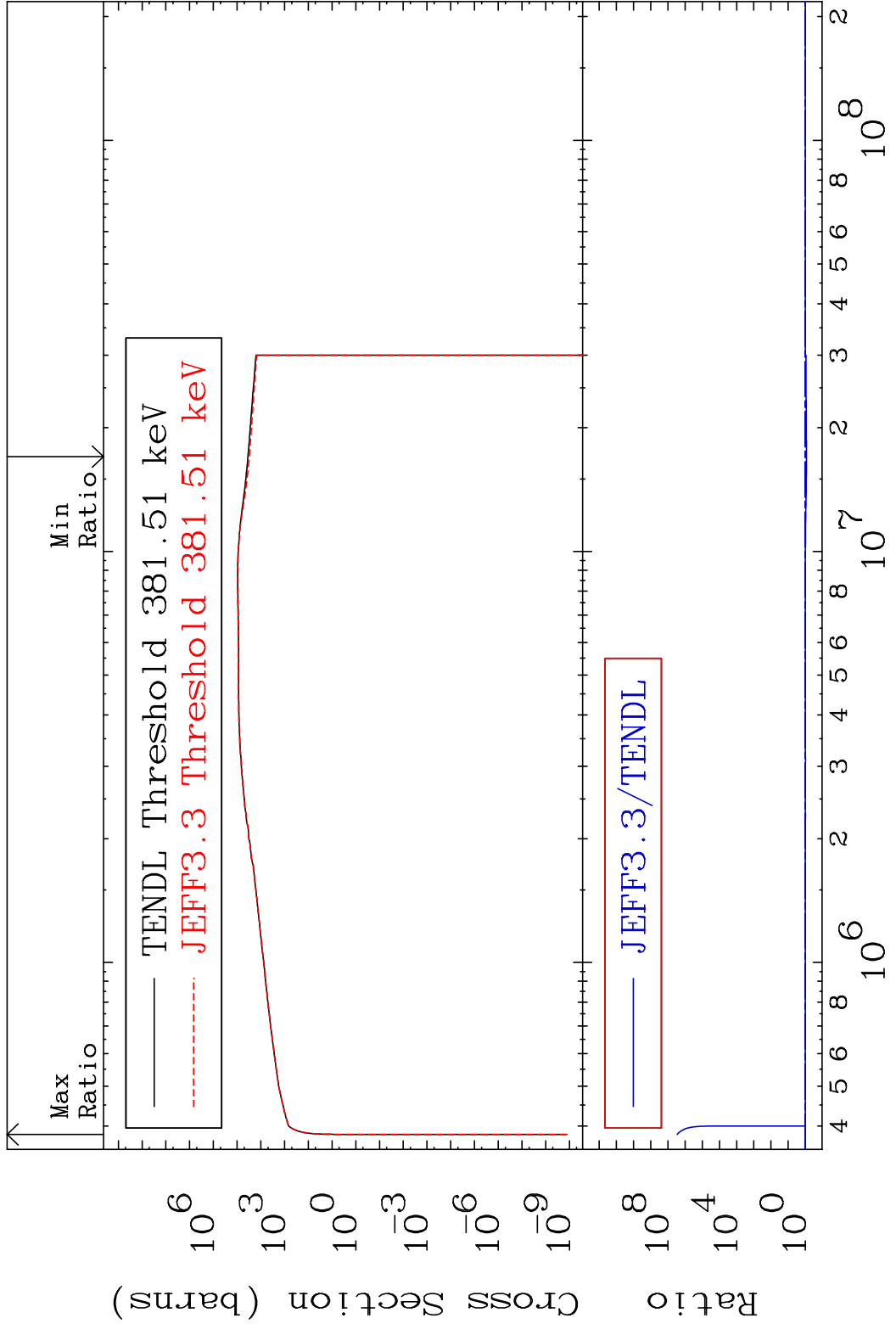


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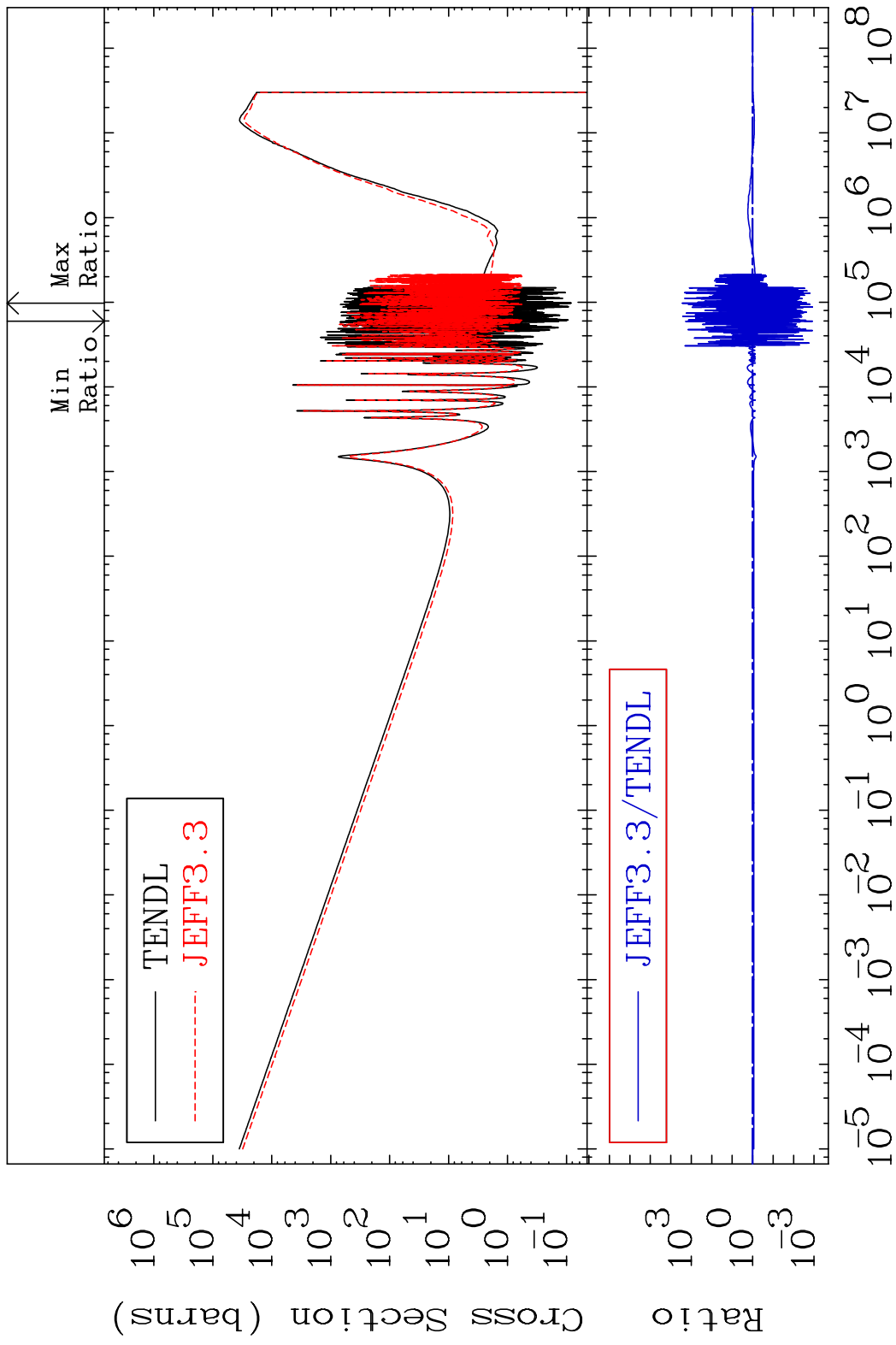
Incident Energy (eV)

20-Ca-43

MAT 2034 Dpa inelastic (mt51-91) 20-Ca-43  
 Cross Section -12.32 To 9999. %



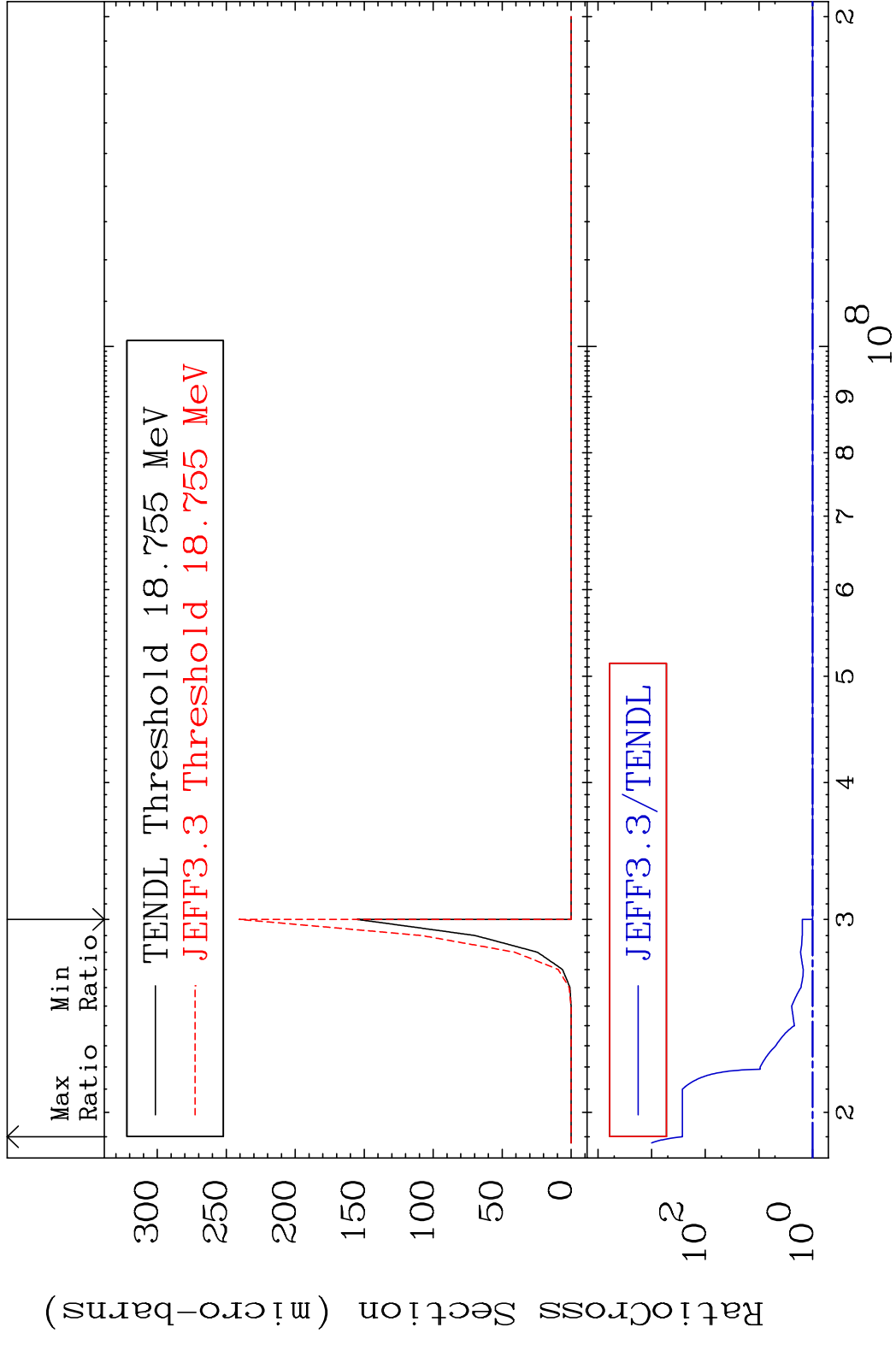
MAT 2034 Dpa disappearance (mt102 -120) 20-Ca-43  
 Cross Section -99.88 To 9999. %



79 Incident Energy (eV) 20-Ca-43



MAT 2034 (n, n') p  $\alpha$ : 17-C1-38g 20-Ca-43  
 Radionuclide Production Cross Section 9999. %



80 Incident Energy (eV) 20-Ca-43

MAT 2034 (n, n') p  $\alpha$ : 17-C1-38m1 20-Ca-43  
 Radionuclide Production Cross Section 9999. %

