

Program Complot  
(Version 2021-1)

by

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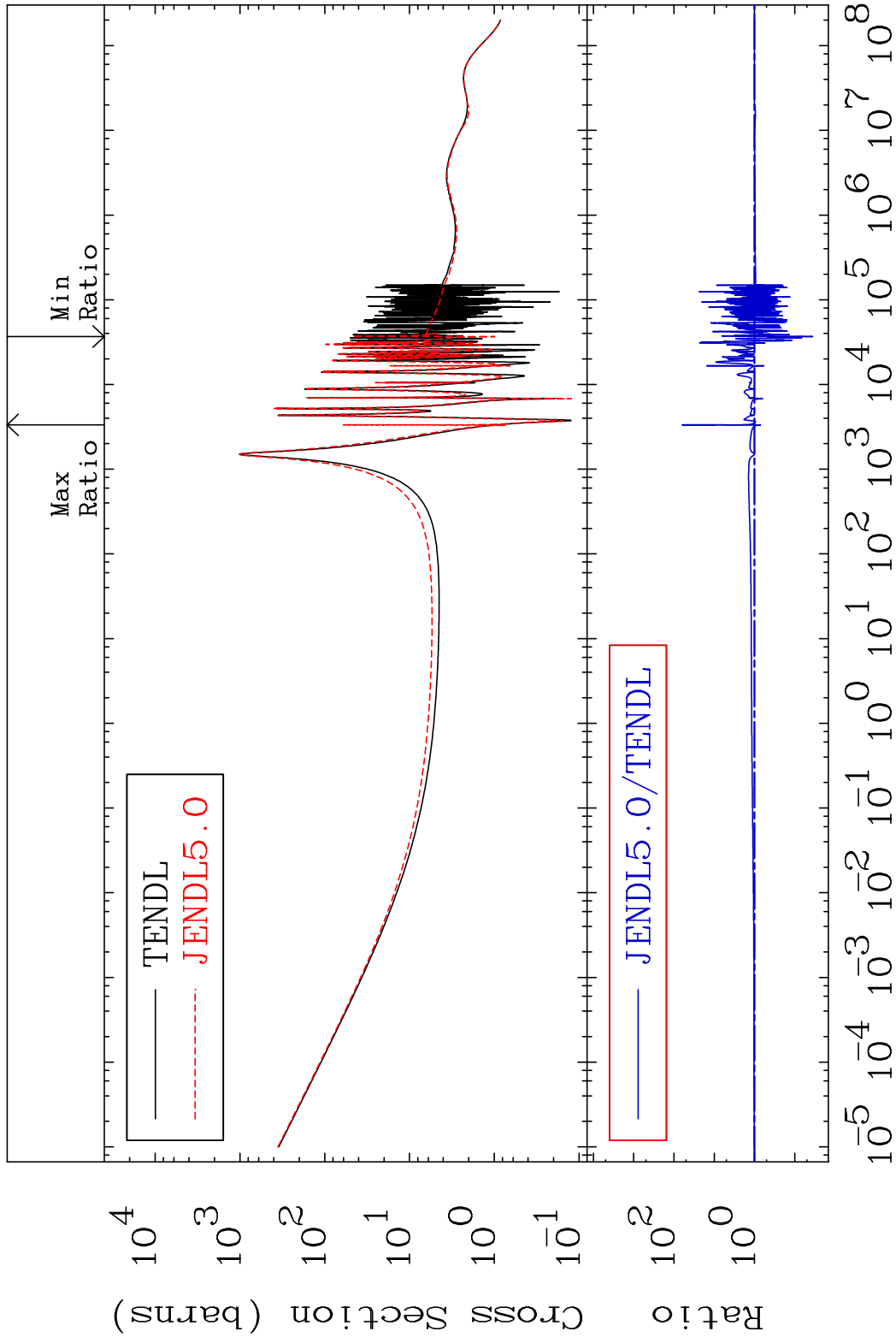
Press Mouse Button to Start

MAT 2034

Total

20-Ca-43

Cross Section -96.38 To 6089. %



1

Incident Energy (eV)

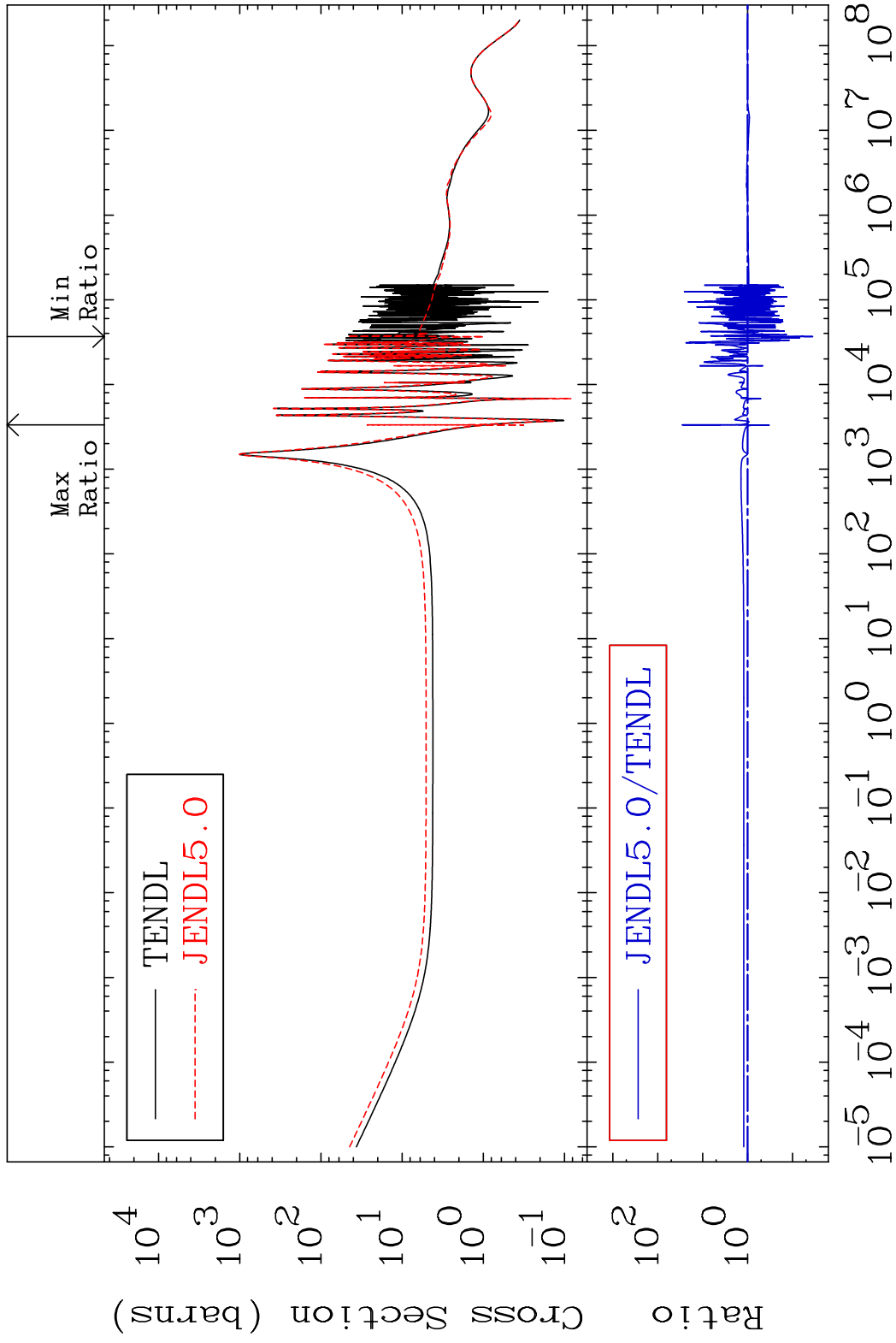
20-Ca-43

MAT 2034

Elastic

20-Ca-43

Cross Section -96.43 To 2725. %

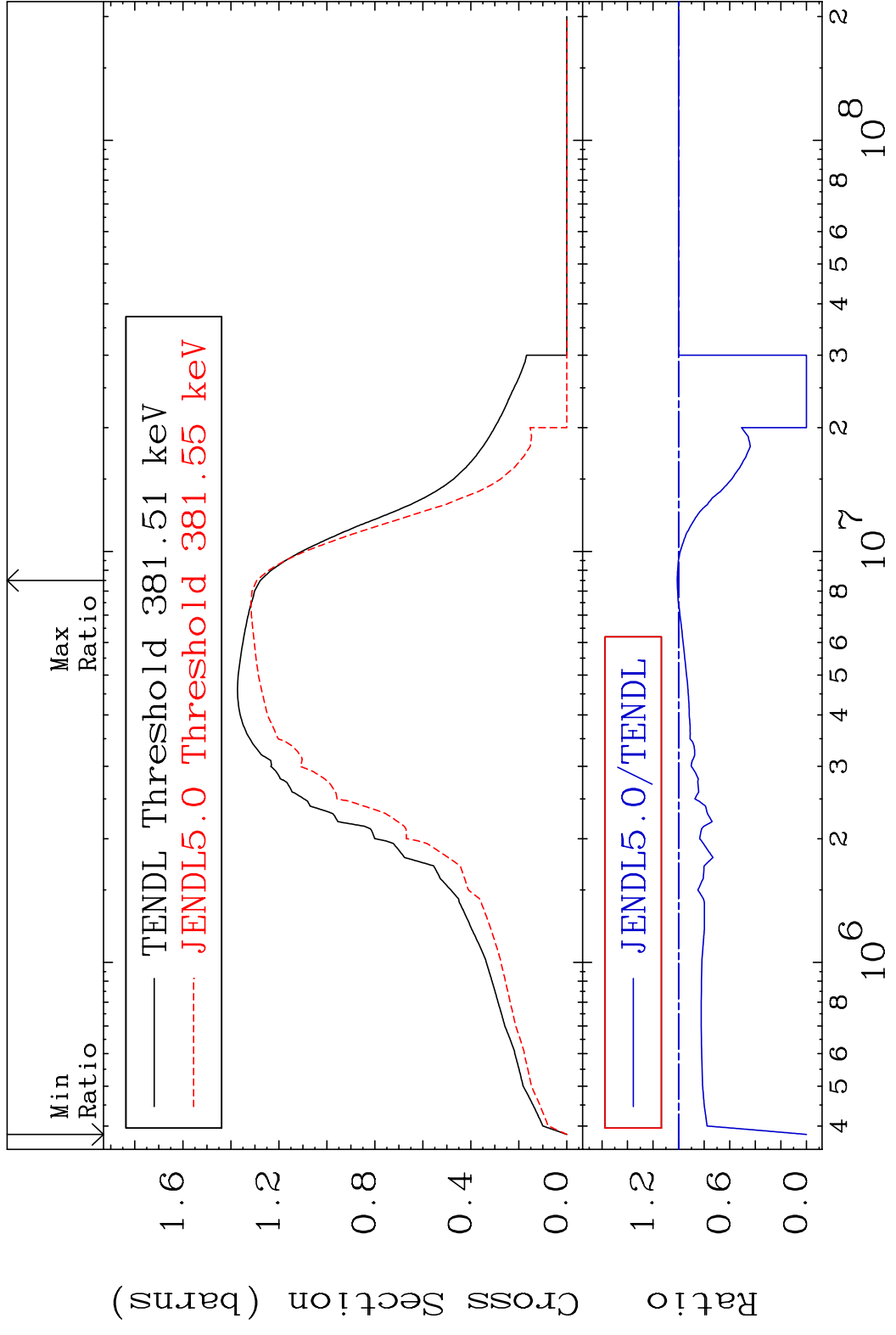


2

Incident Energy (eV)

20-Ca-43

MAT 2034 Inelastic Cross Section -100.0 To 1.142 % 20-Ca-43



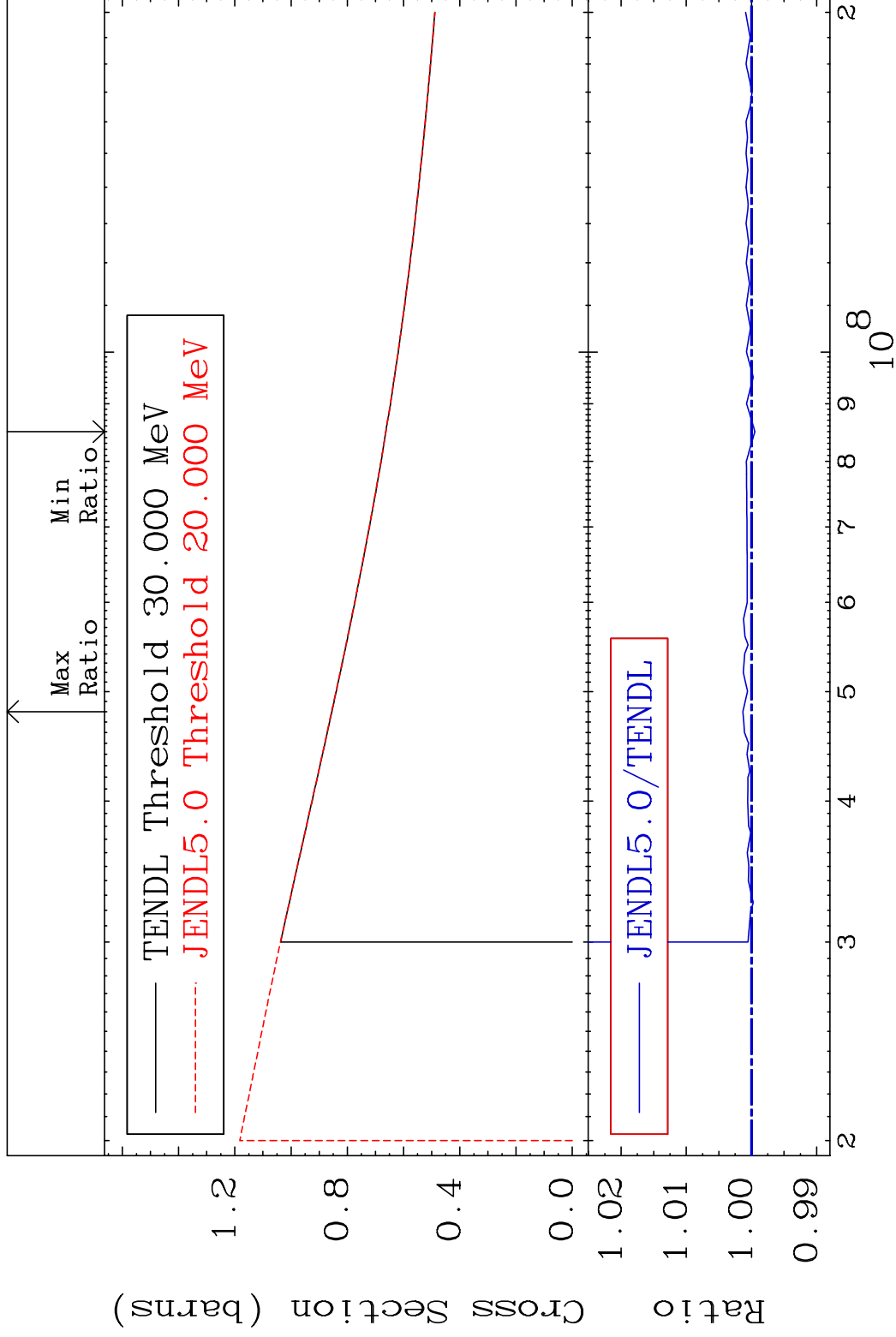
3 Incident Energy (eV) 20-Ca-43

MAT 2034

(n, remainder)

20-Ca-43

Cross Section -0.052 To 0.132 %

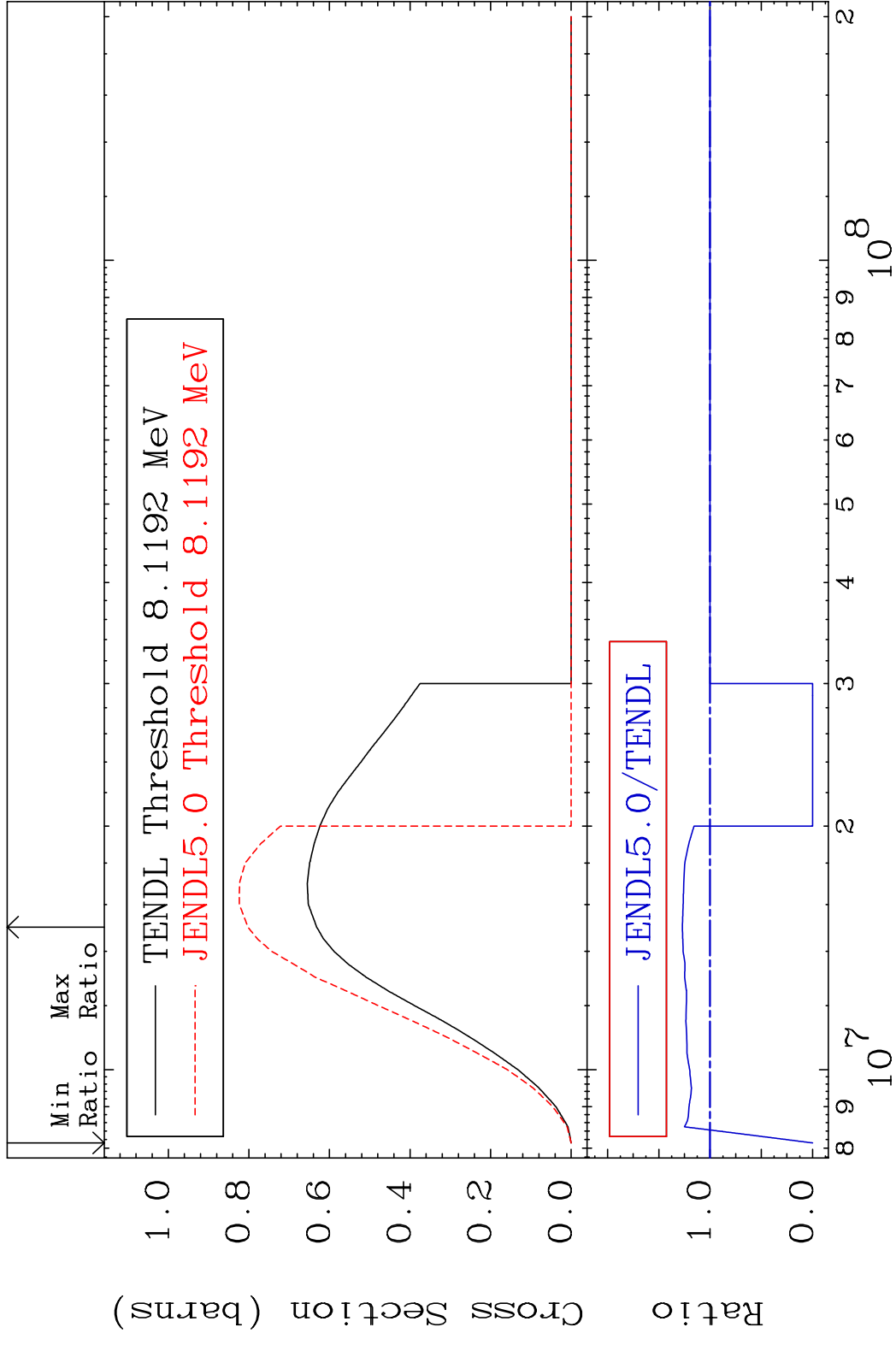


4

Incident Energy (eV)

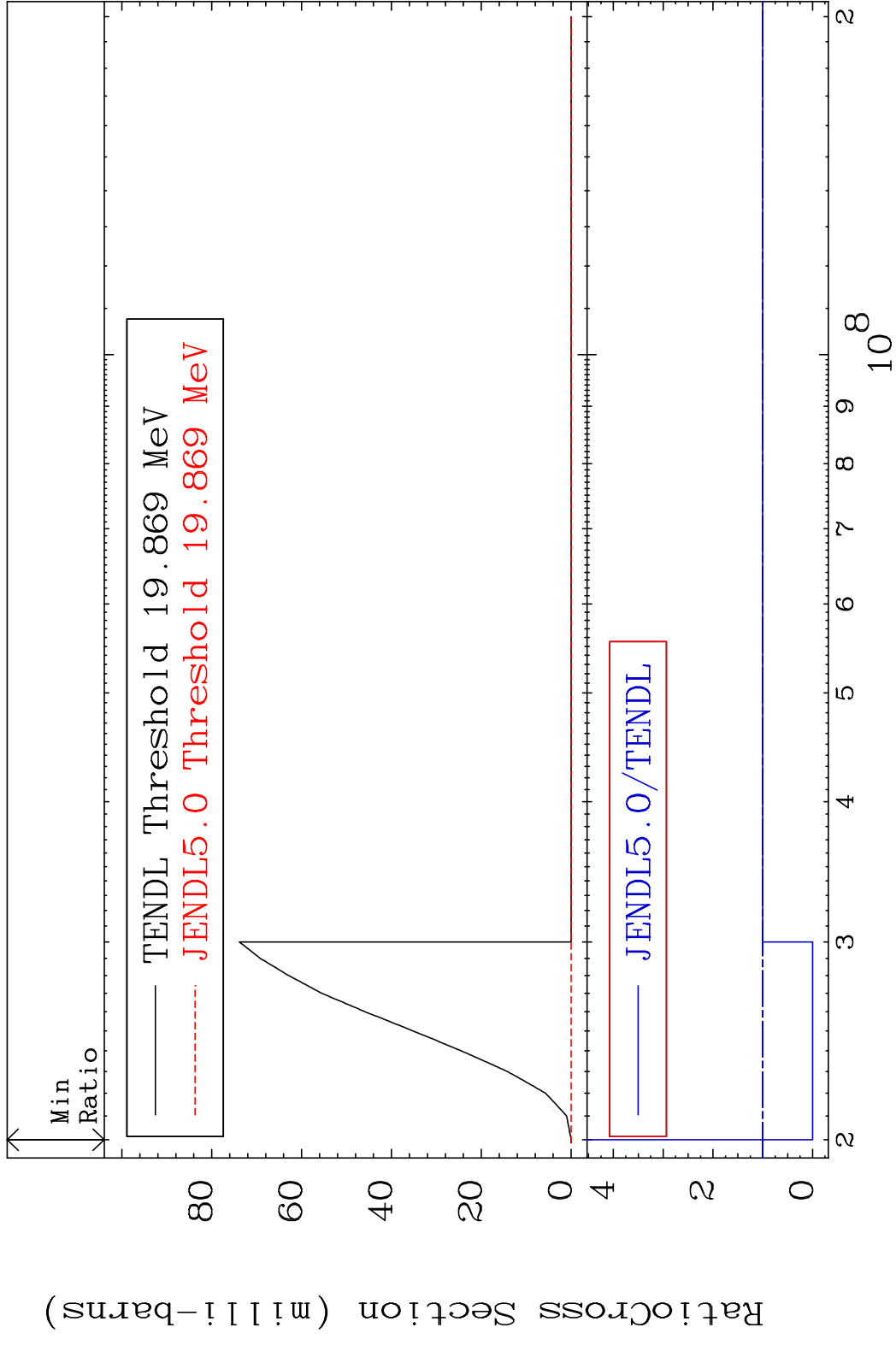
20-Ca-43

MAT 2034 (n,2n) 20-Ca-43  
 Cross Section -100.0 To 27.04 %



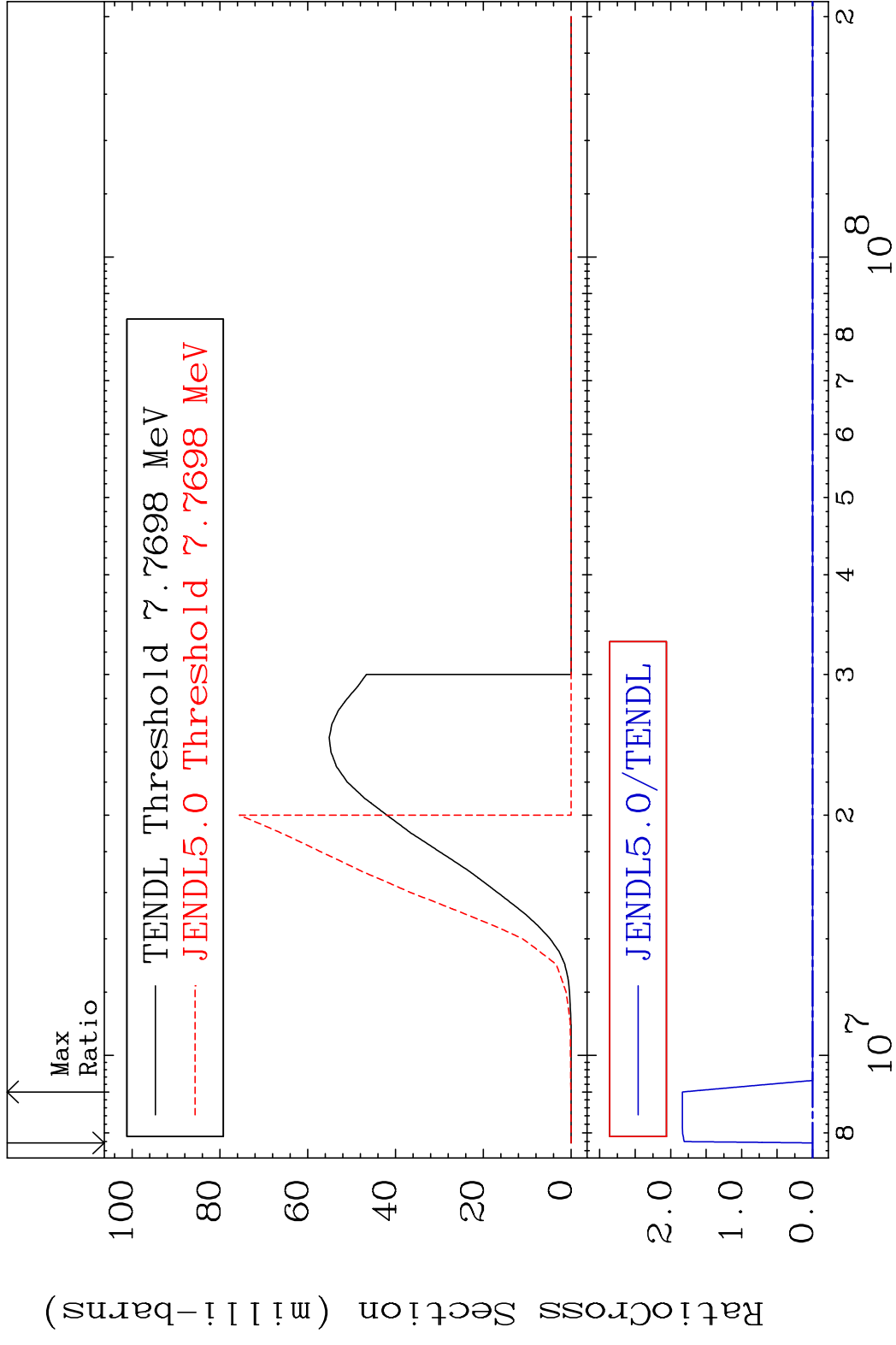
5 Incident Energy (eV) 20-Ca-43

MAT 2034 (n,3n) 20-Ca-43  
 Cross Section -100.0 To 161.5 %



6 Incident Energy (eV) 20-Ca-43

MAT 2034 (n, n')  $\alpha$  20-Ca-43  
 Cross Section -100.0 To 9999. %



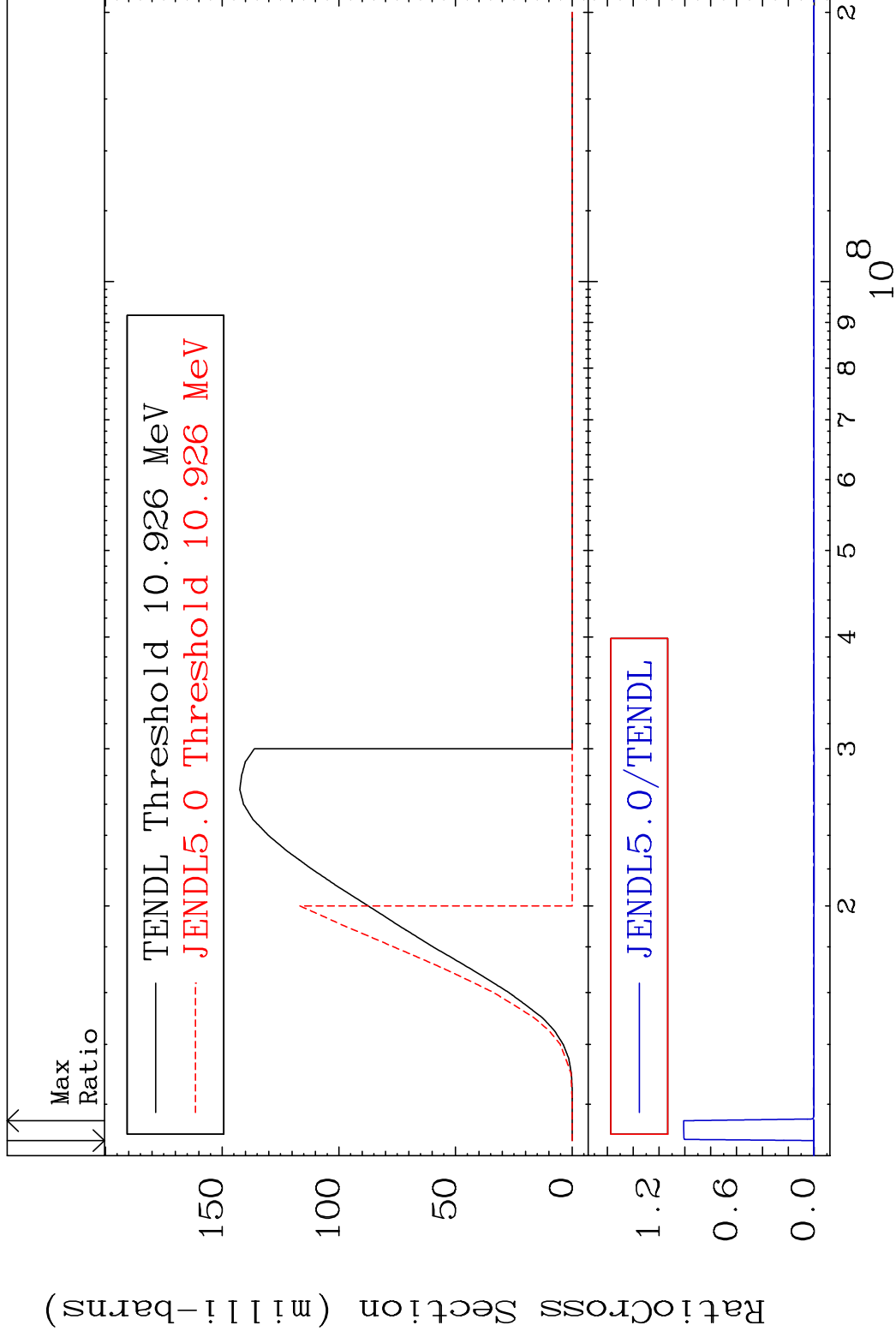
7 Incident Energy (eV) 20-Ca-43

MAT 2034

(n, n') p

20-Ca-43

Cross Section -100.0 To 9999. %

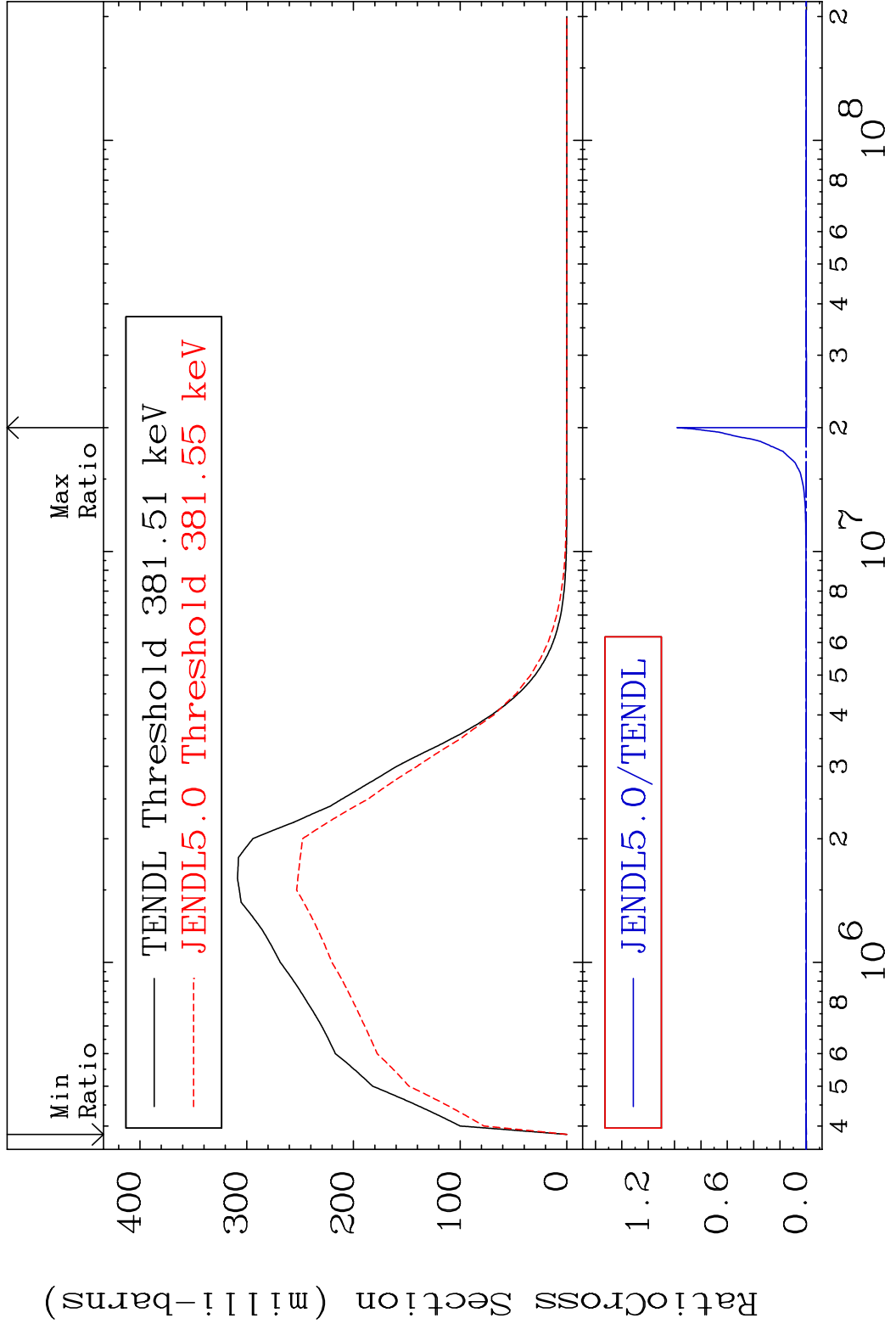


8

Incident Energy (eV)

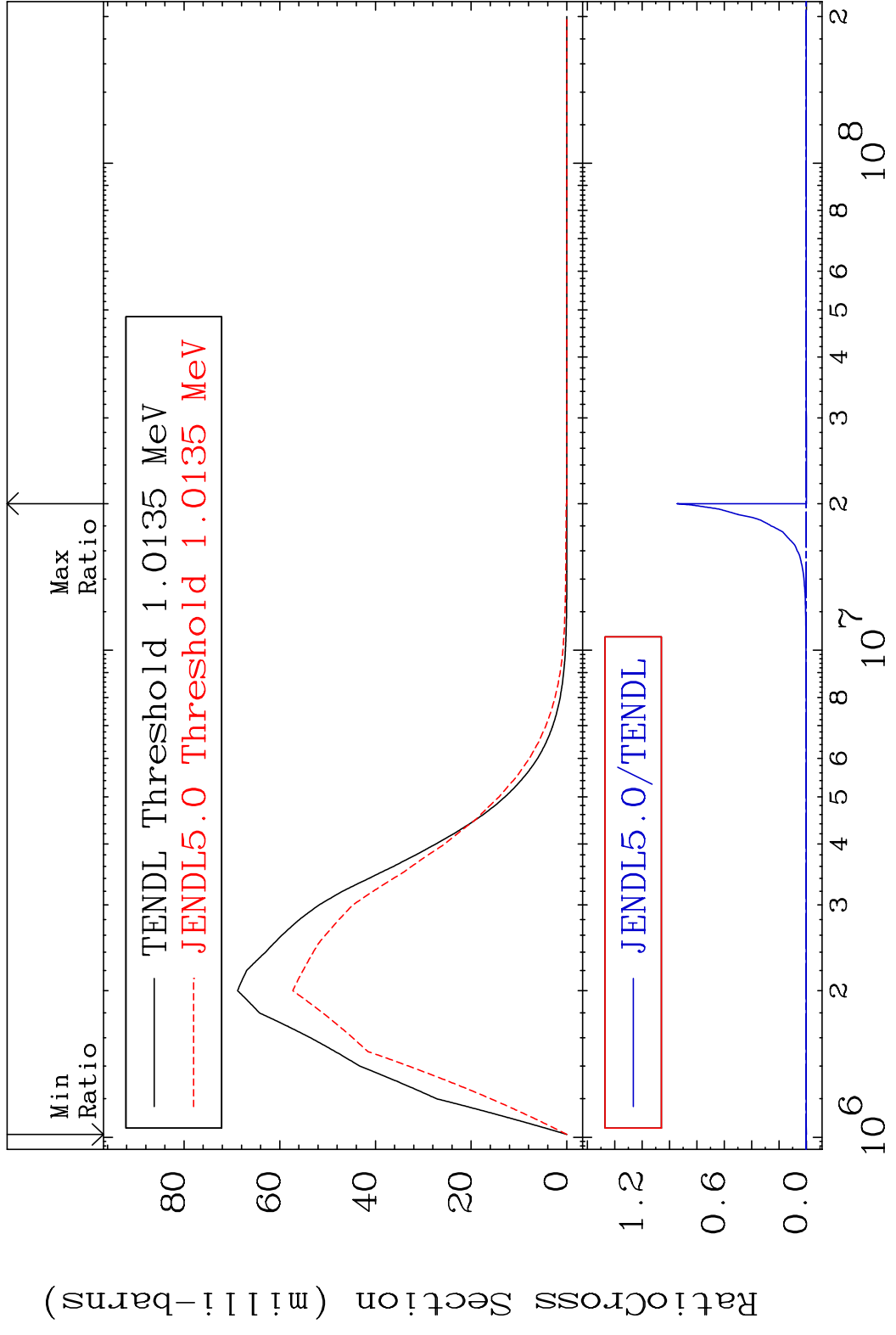
20-Ca-43

MAT 2034 MT= 51 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



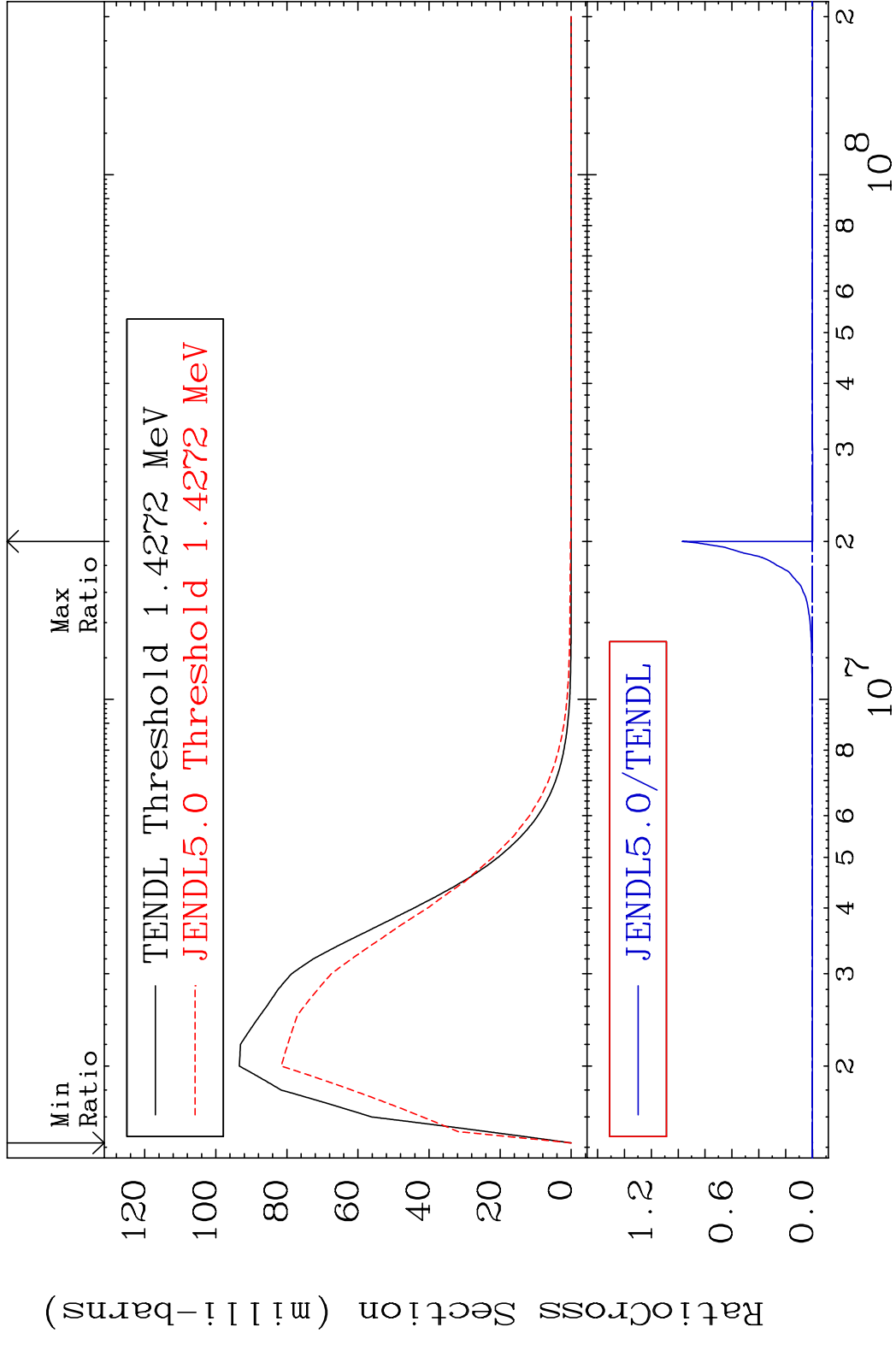


MAT 2034 MT= 53 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %

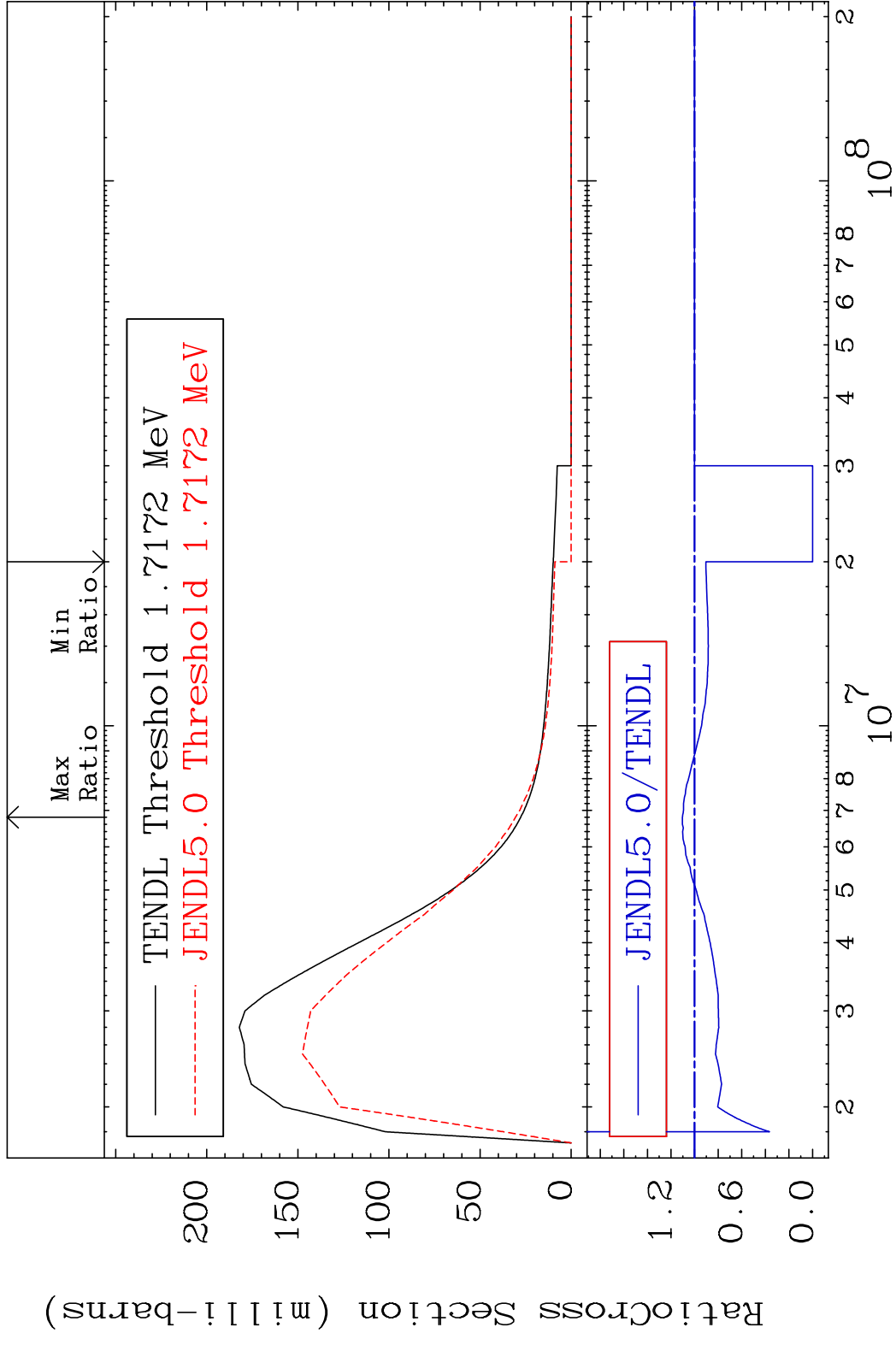


11 Incident Energy (eV) 20-Ca-43

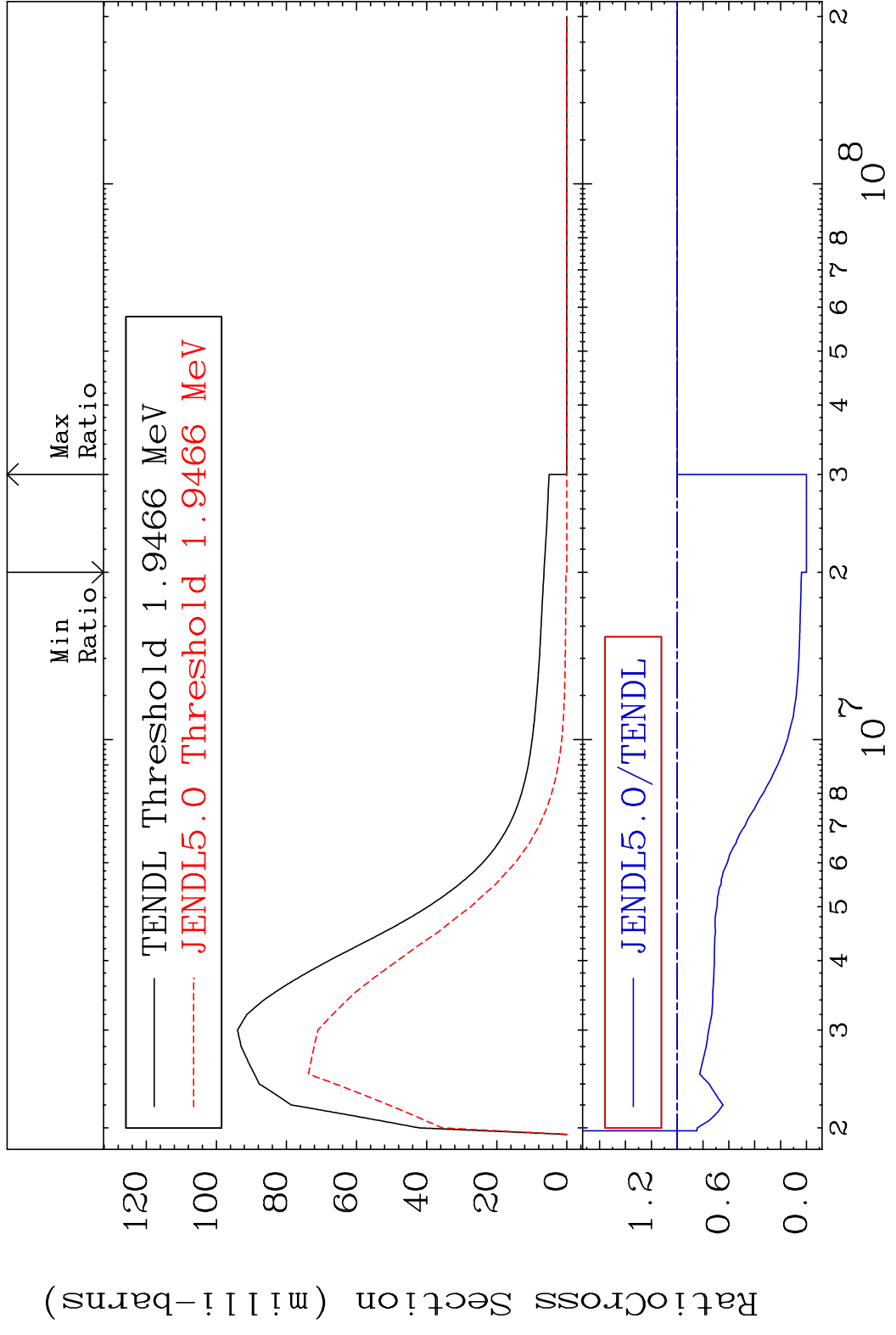
MAT 2034 MT= 54 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



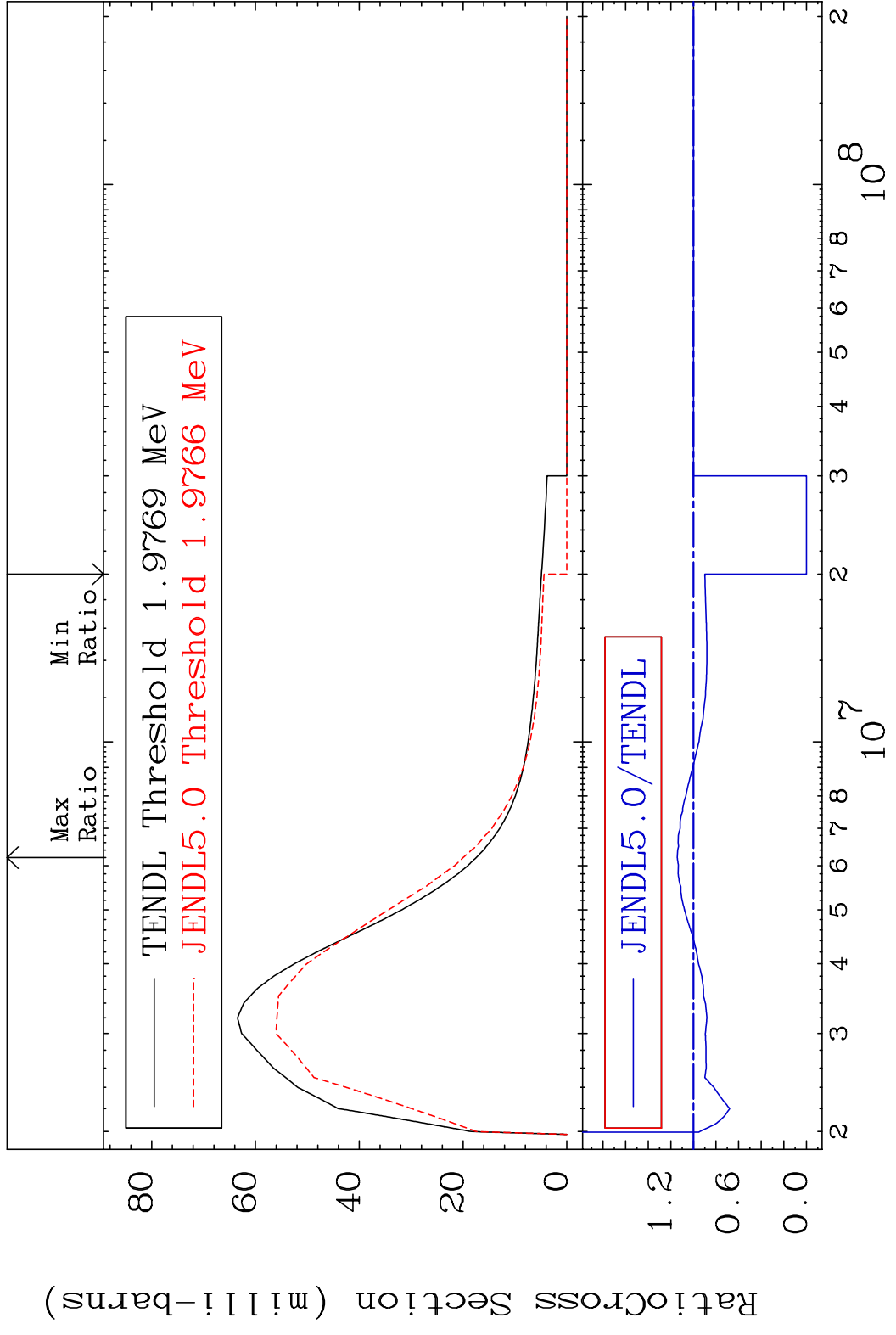
MAT 2034 MT= 55 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 10.37 %



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

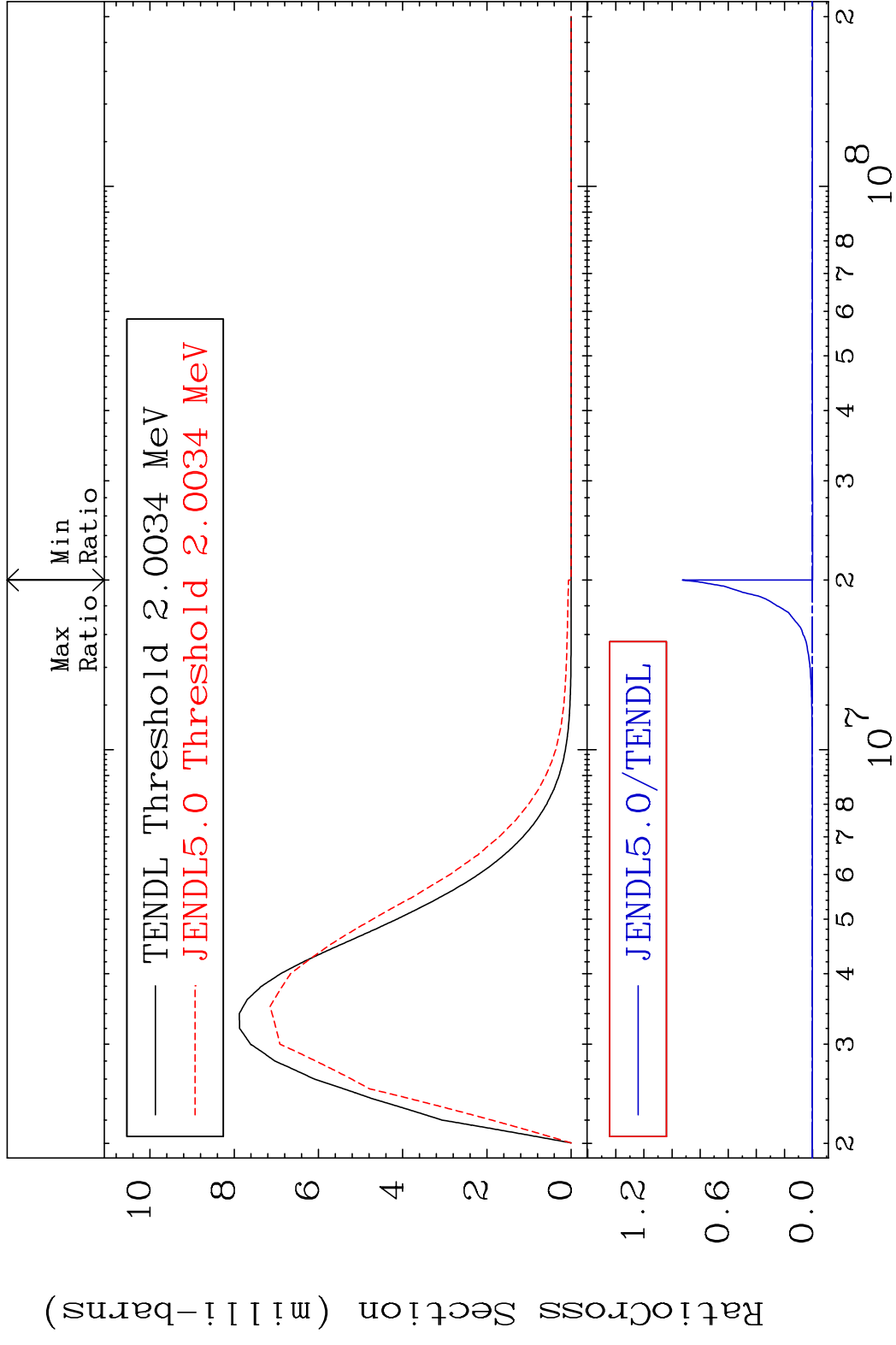


MAT 2034 MT= 57 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 14.38 %

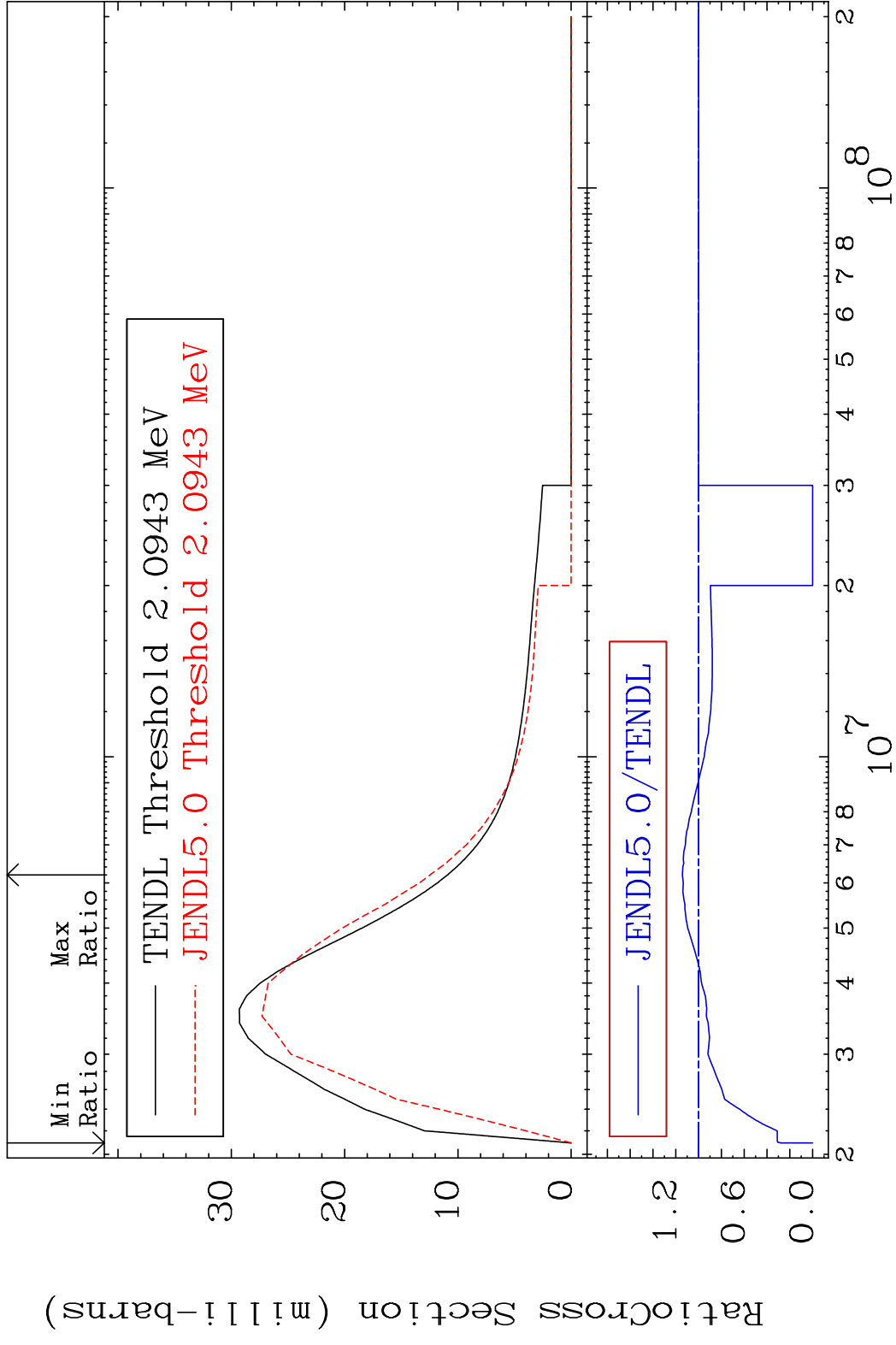


15 Incident Energy (eV) 20-Ca-43

MAT 2034 MT= 58 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %

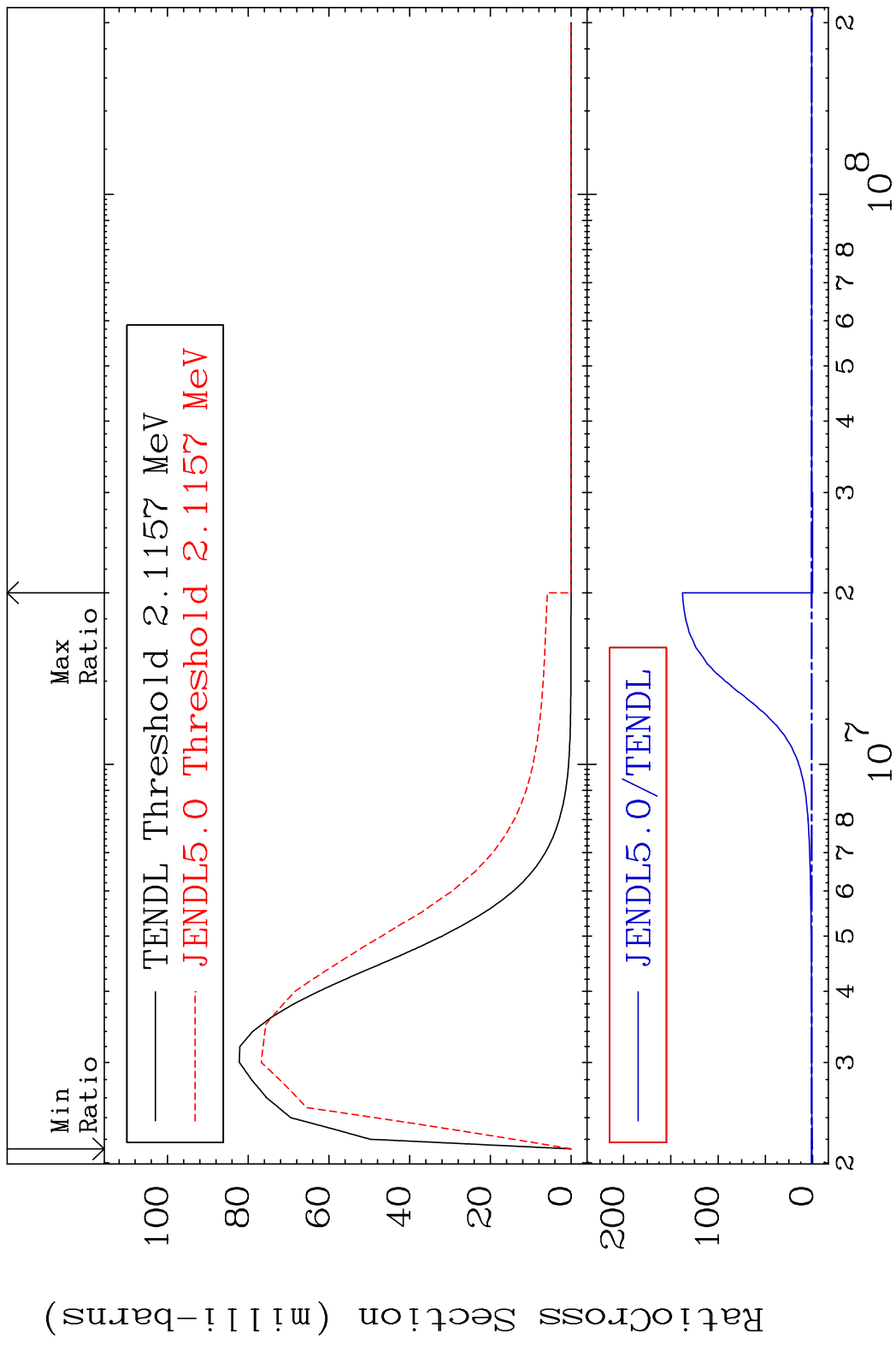


MAT 2034 MT= 59 (n,n') Level 20-Ca-43  
 Cross Section -100.0 To 14.17 %

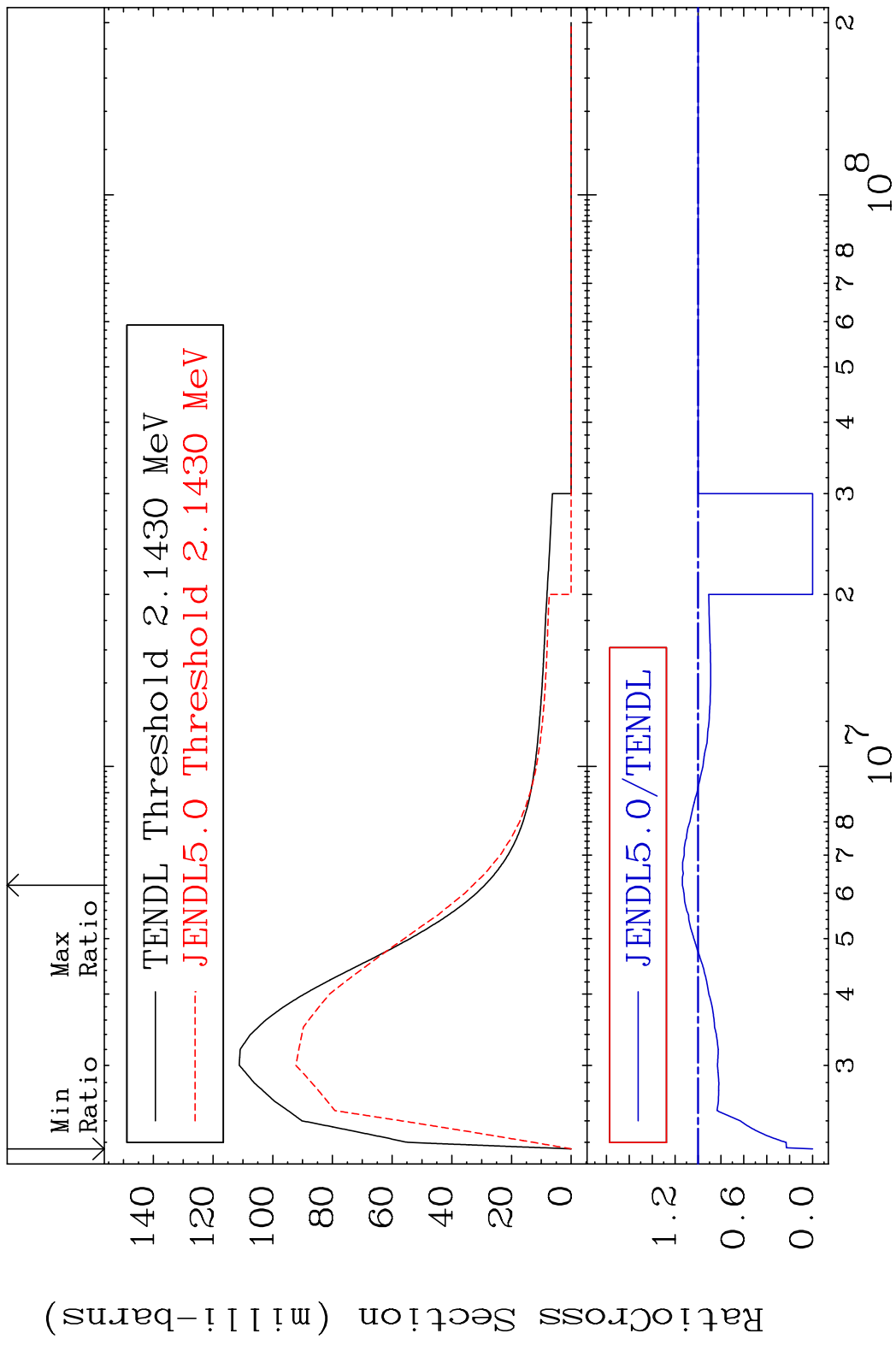


17 17 Incident Energy (eV) 20-Ca-43

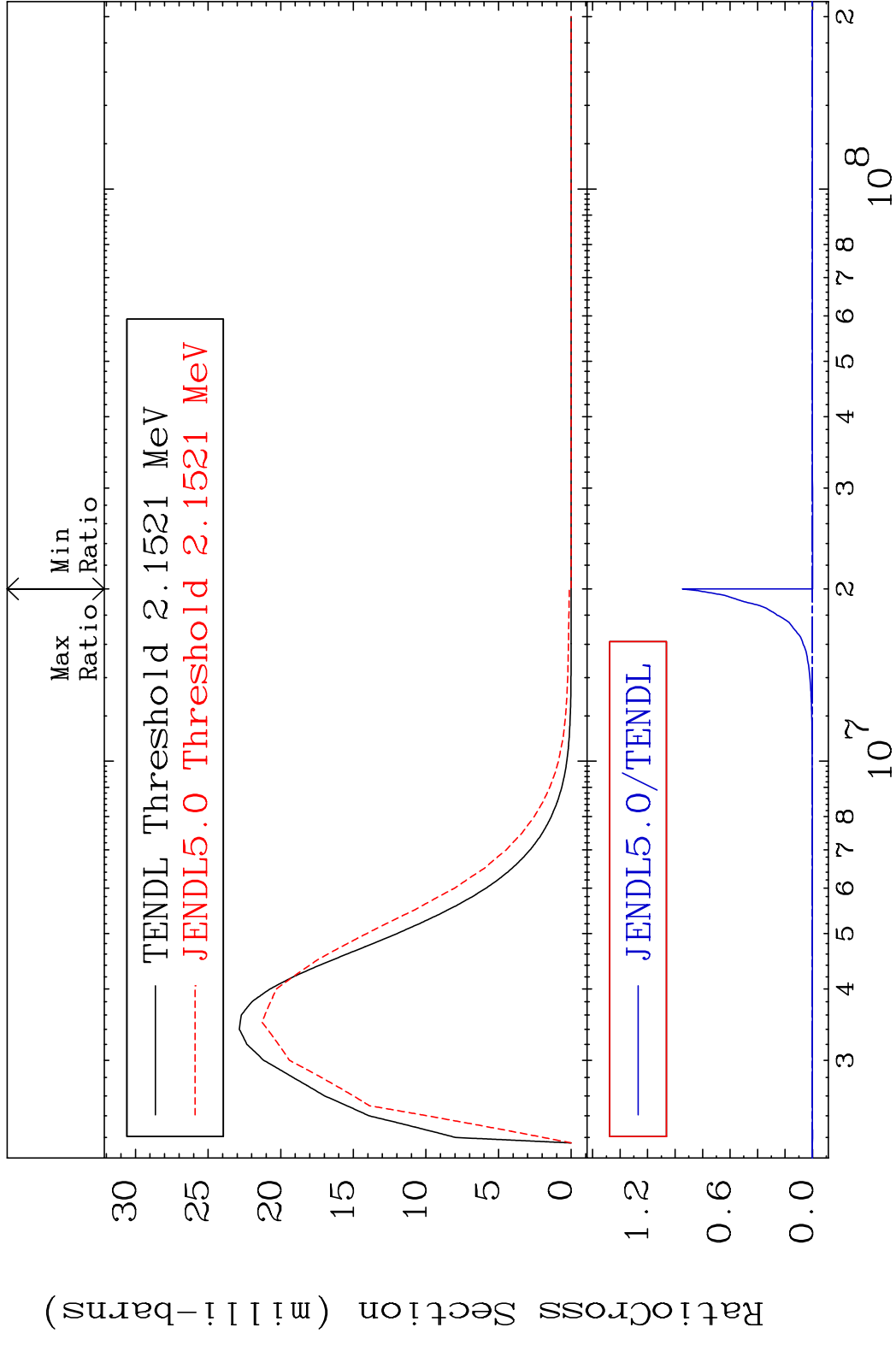
MAT 2034 MT= 60 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



MAT 2034 MT= 61 (n,n') Level 20-Ca-43  
 Cross Section -100.0 To 13.67 %



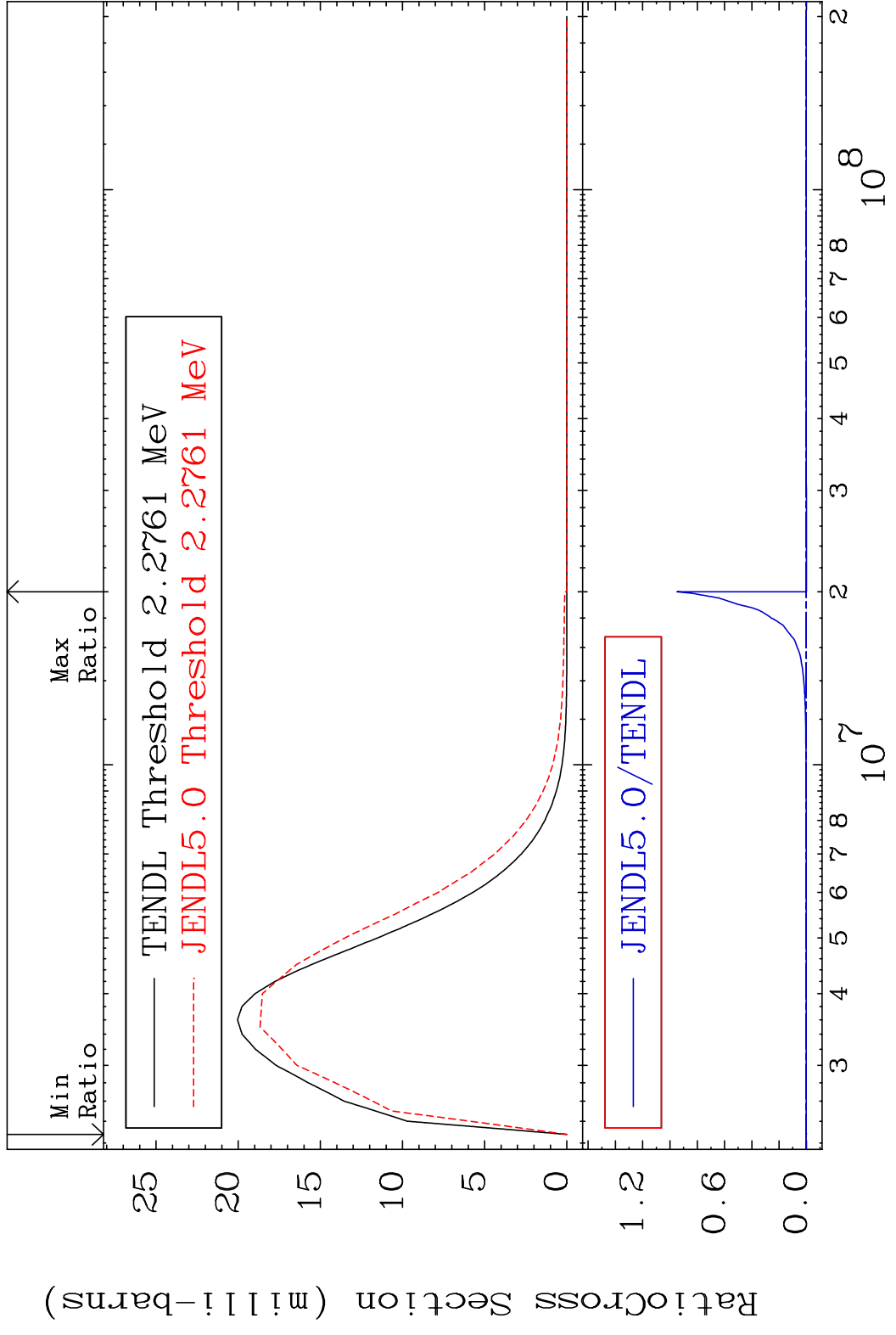
MAT 2034 MT= 62 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



20

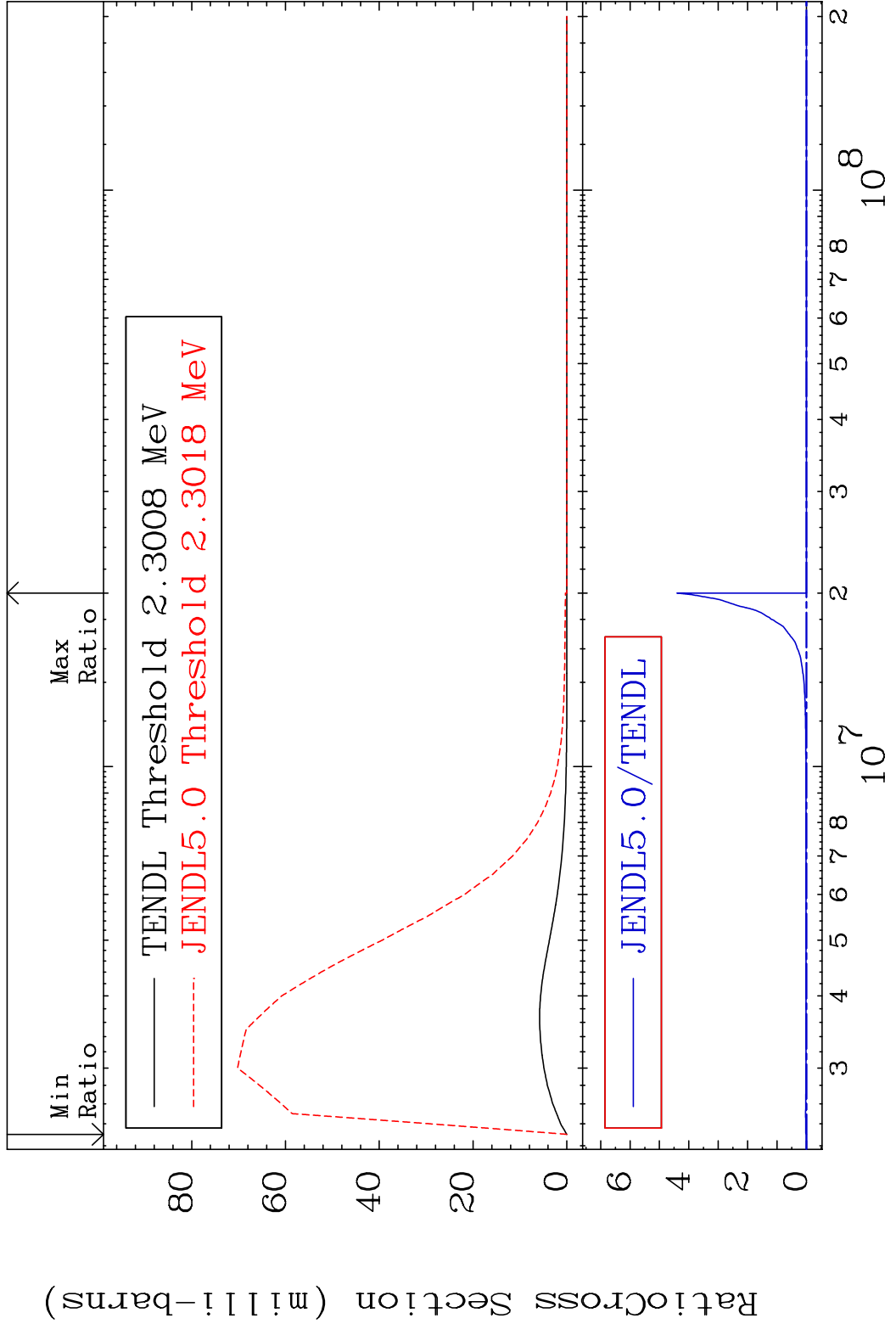
20-Ca-43

MAT 2034 MT= 63 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



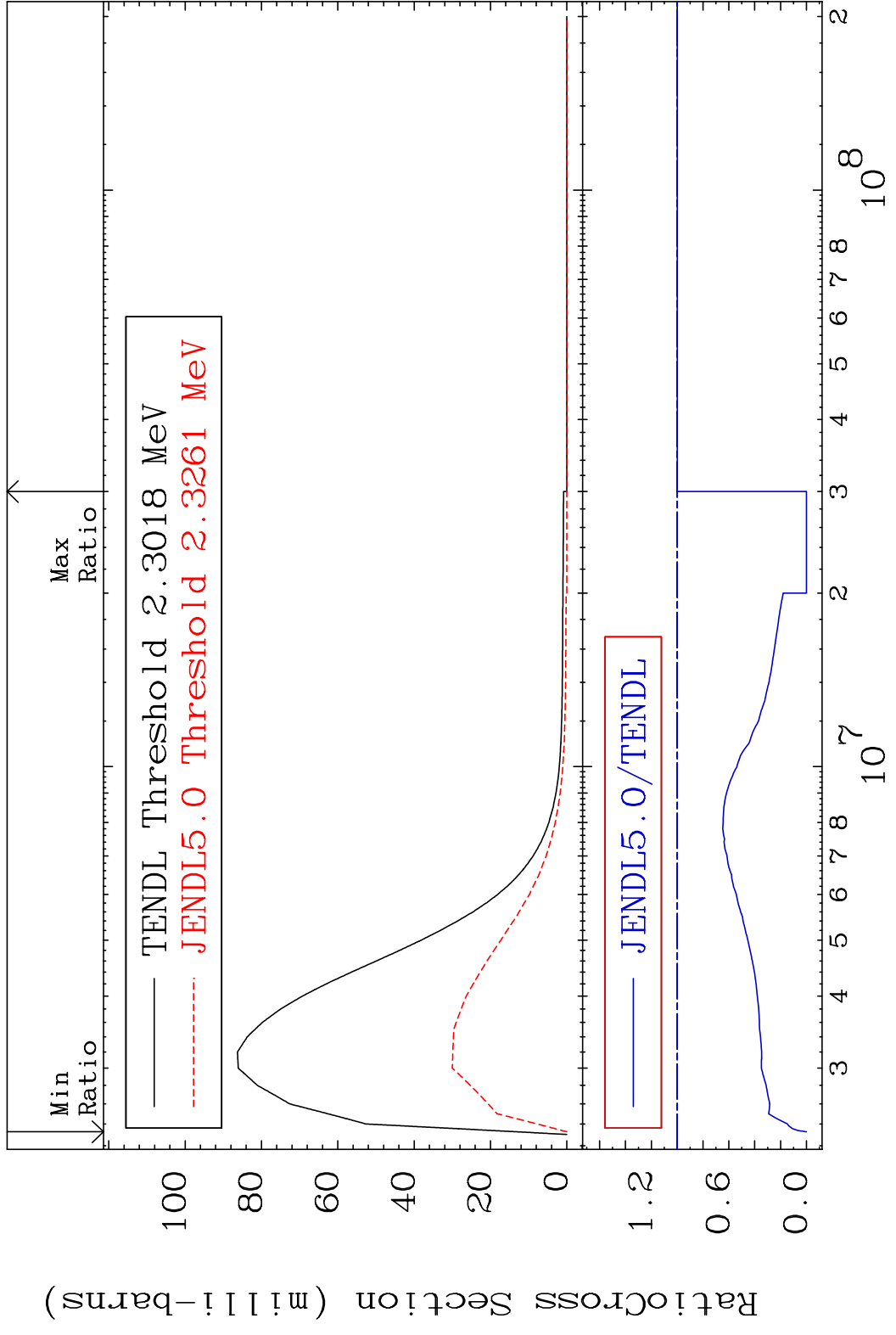
21 Incident Energy (eV) 20-Ca-43

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

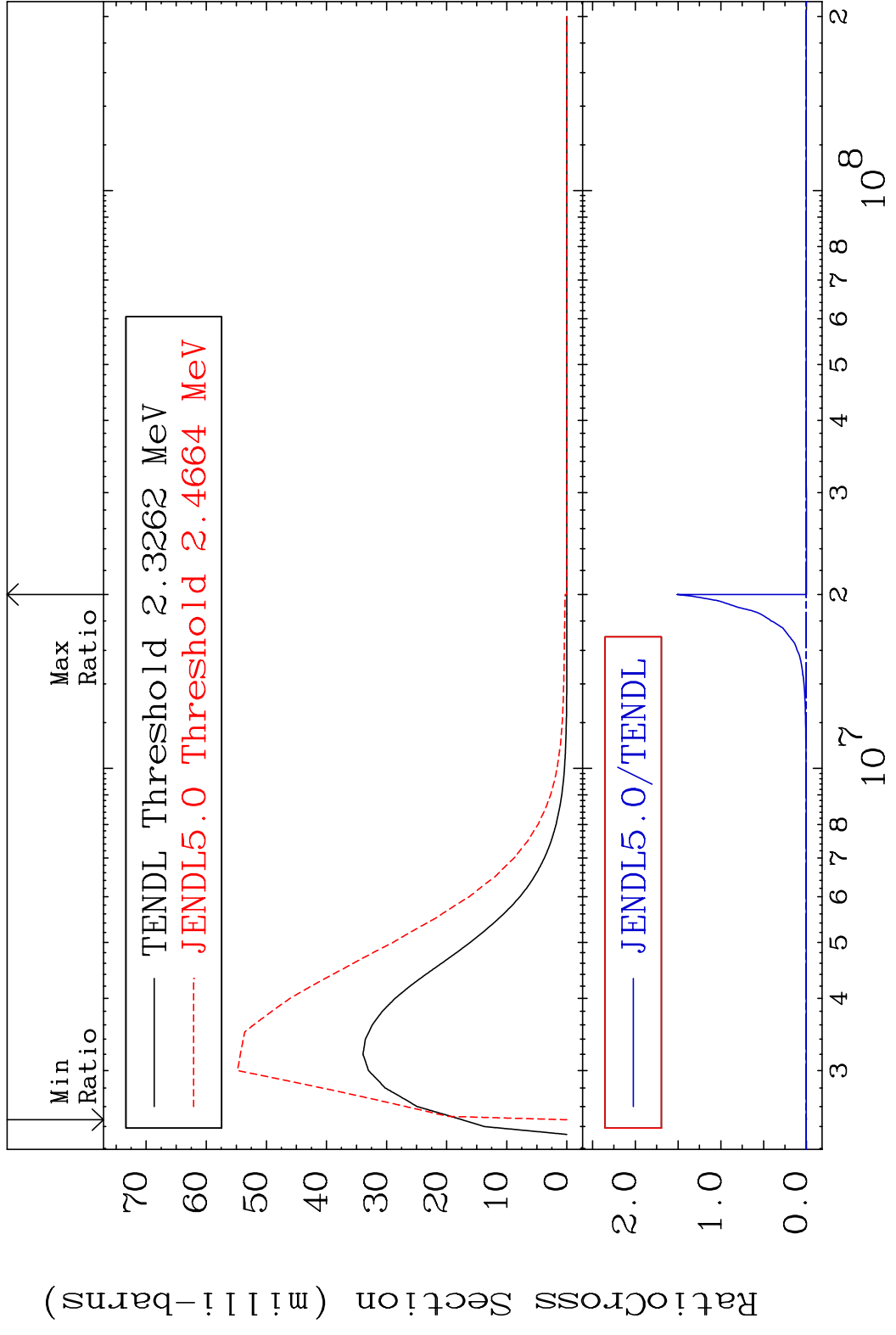


22 Incident Energy (eV) 20-Ca-43

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

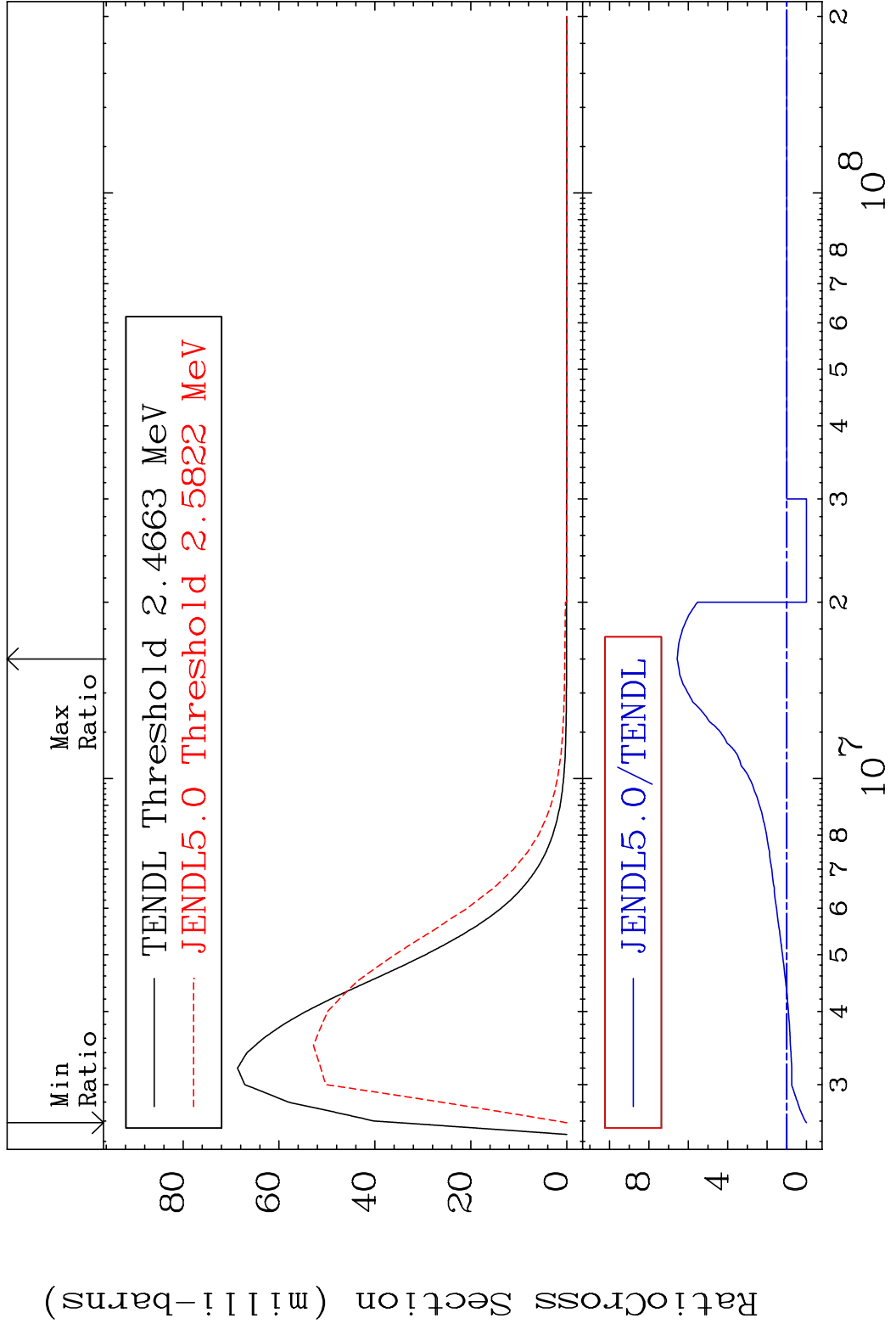


MAT 2034 MT= 66 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %

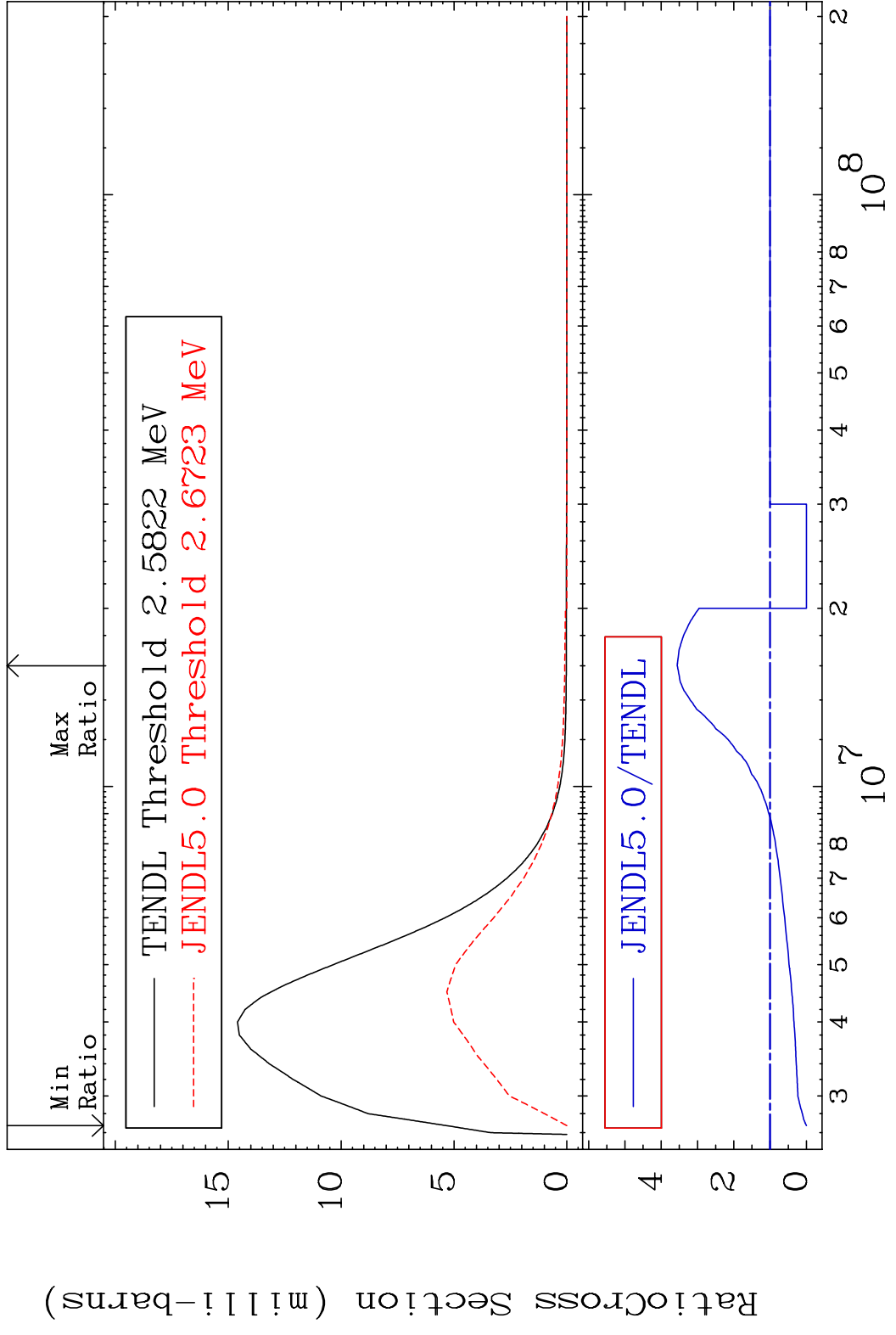


24 Incident Energy (eV) 20-Ca-43

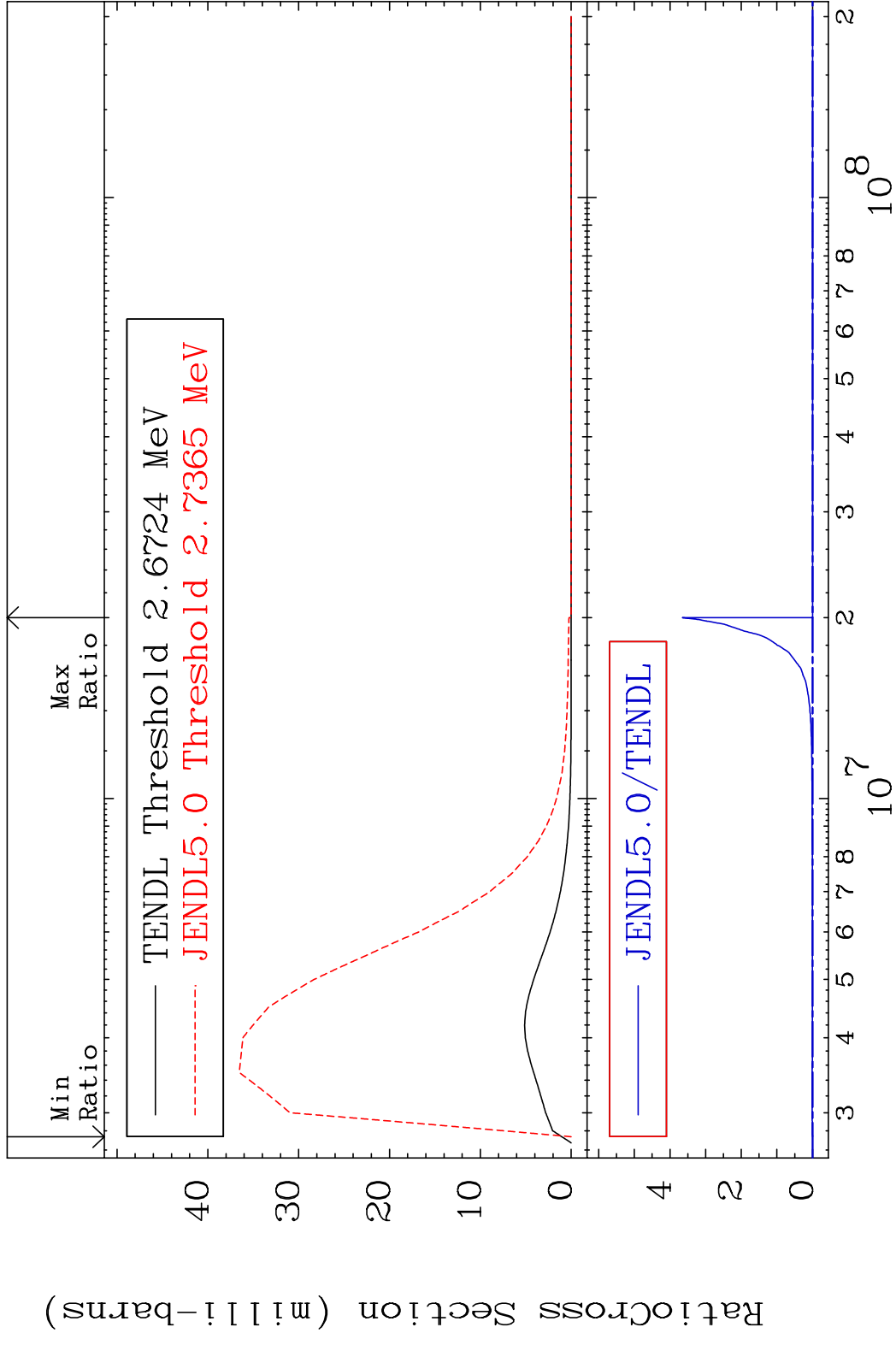
MAT 2034 MT= 67 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 556.7 %



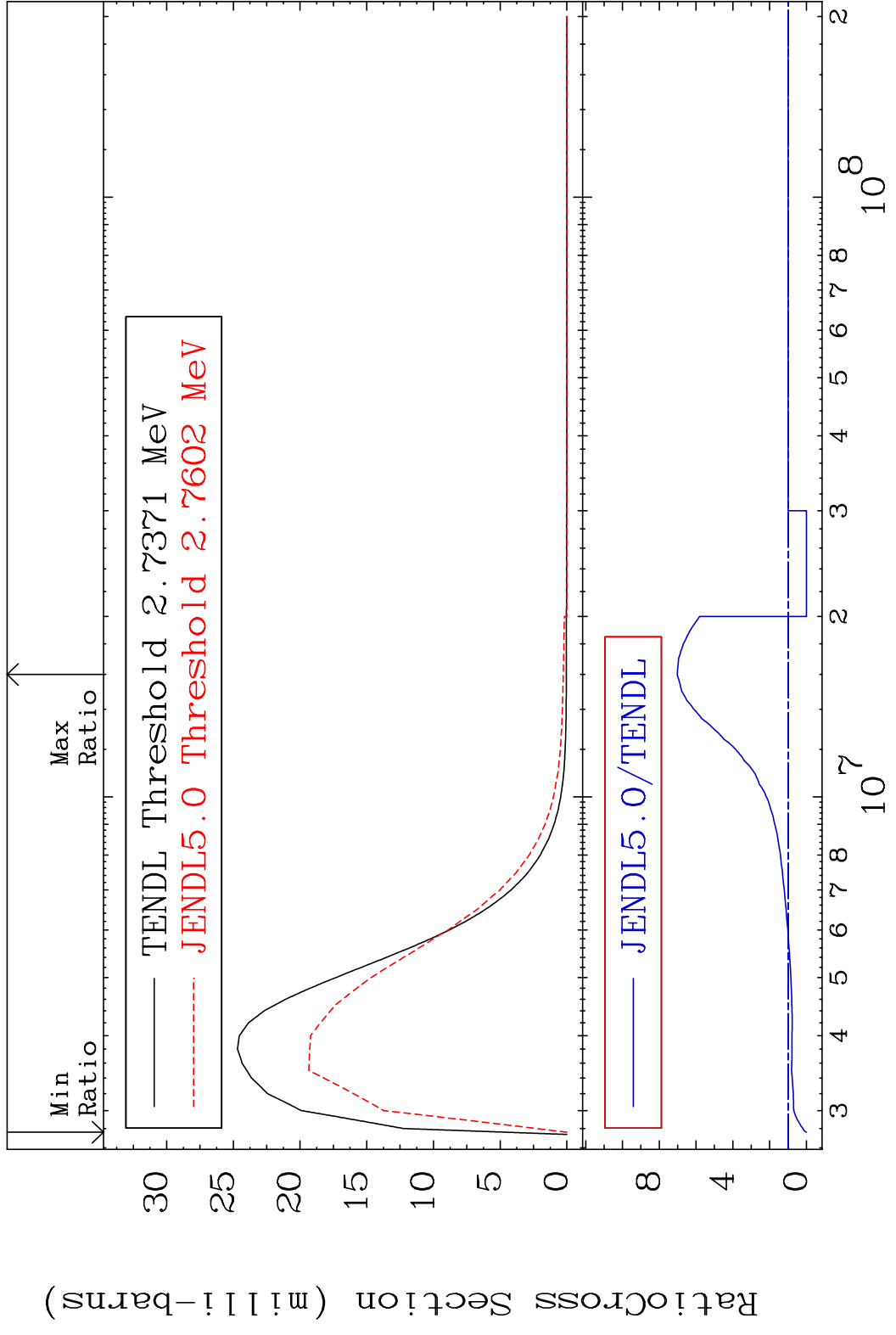
MAT 2034 MT= 68 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 256.0 %



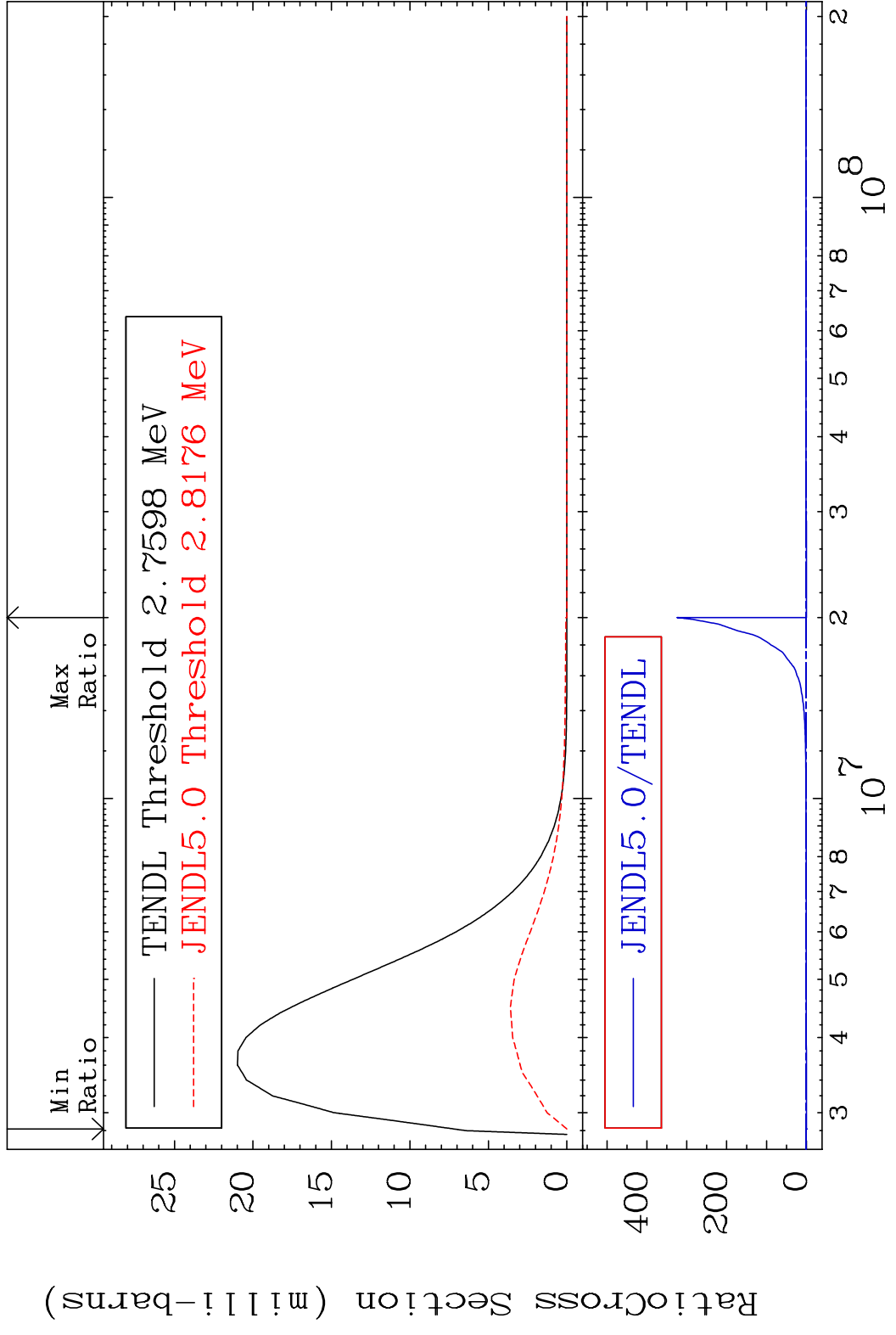
MAT 2034 MT= 69 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



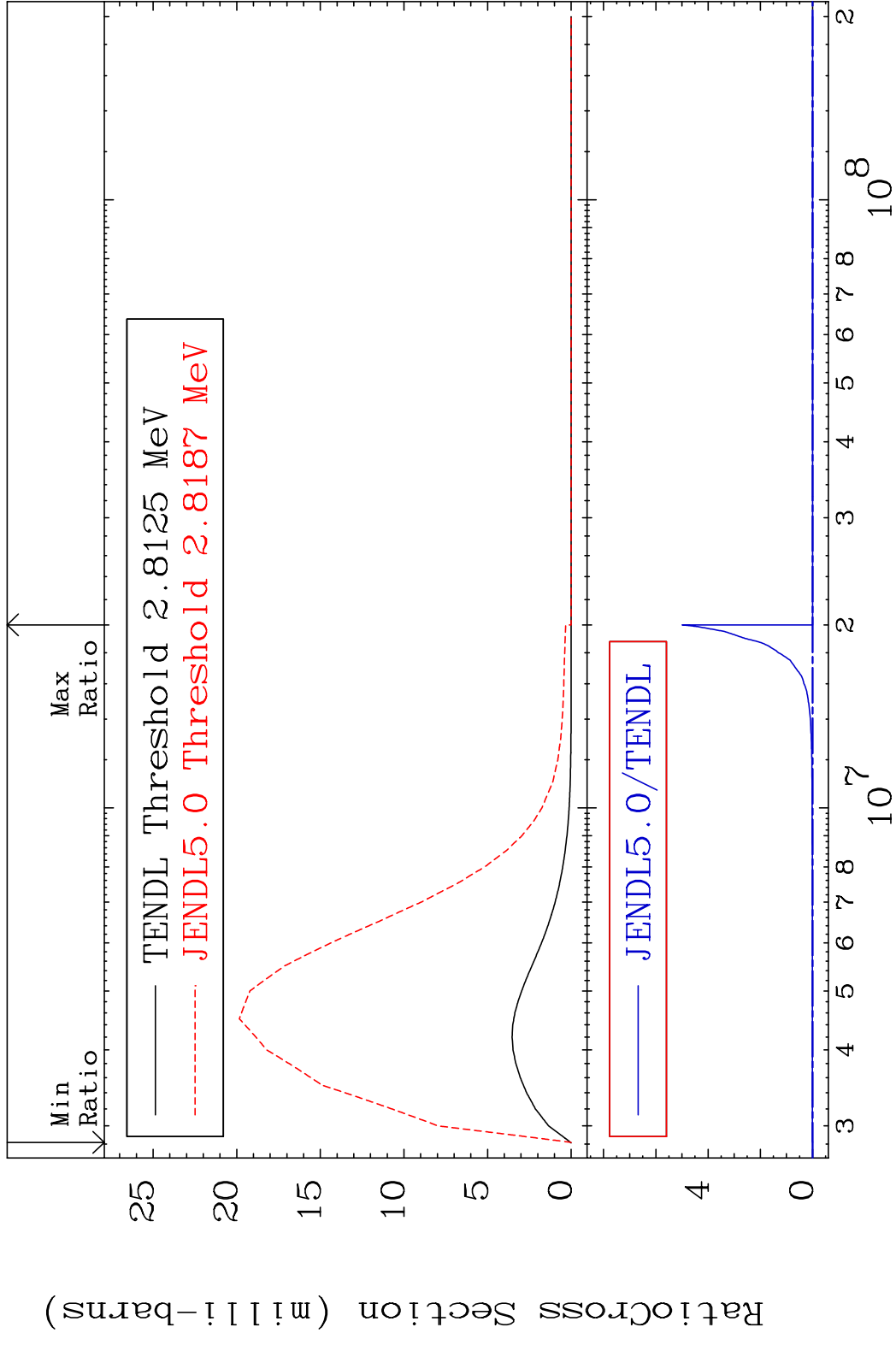
MAT 2034 MT= 70 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 602.5 %



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



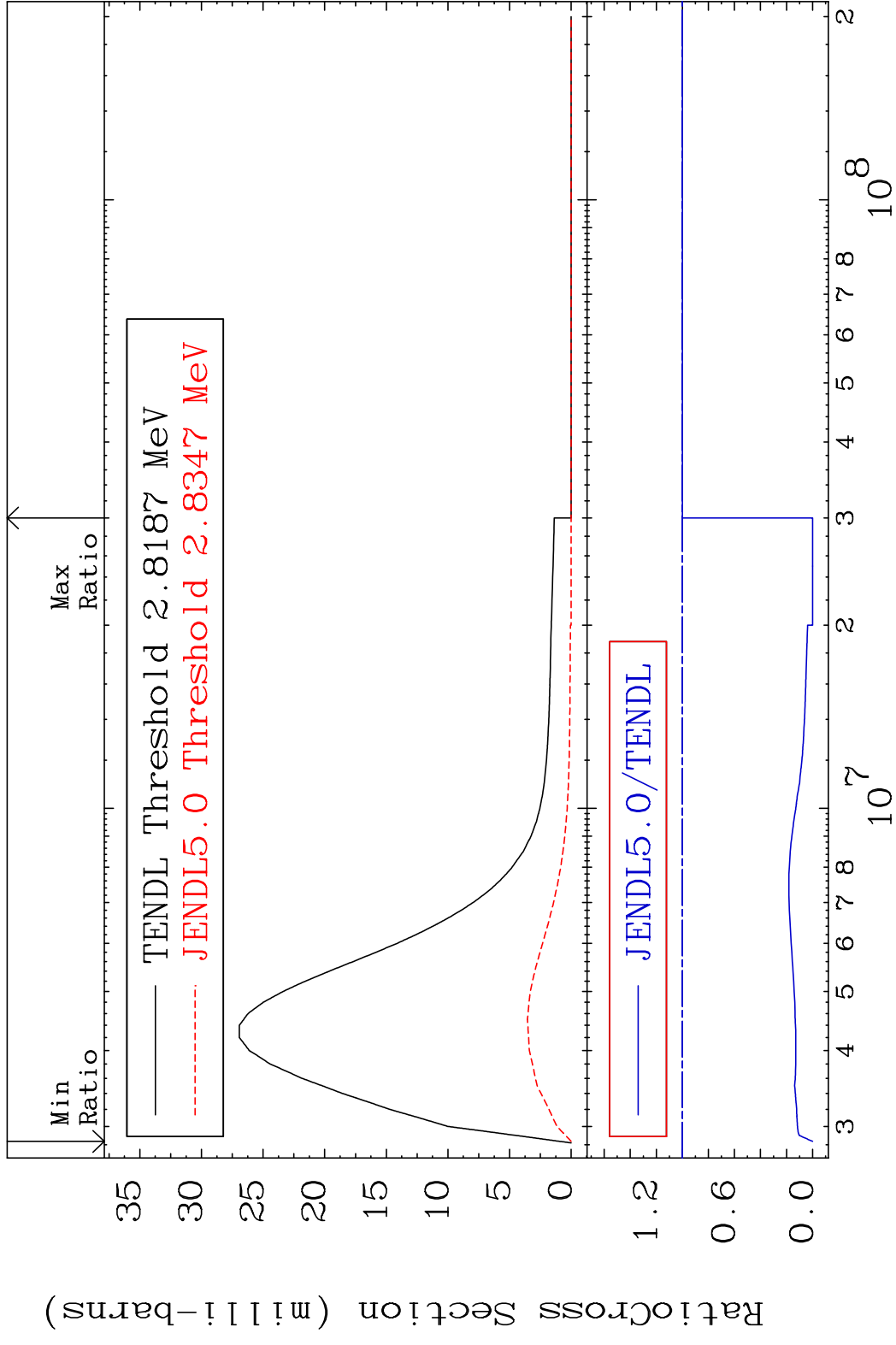
MAT 2034 MT= 72 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



30

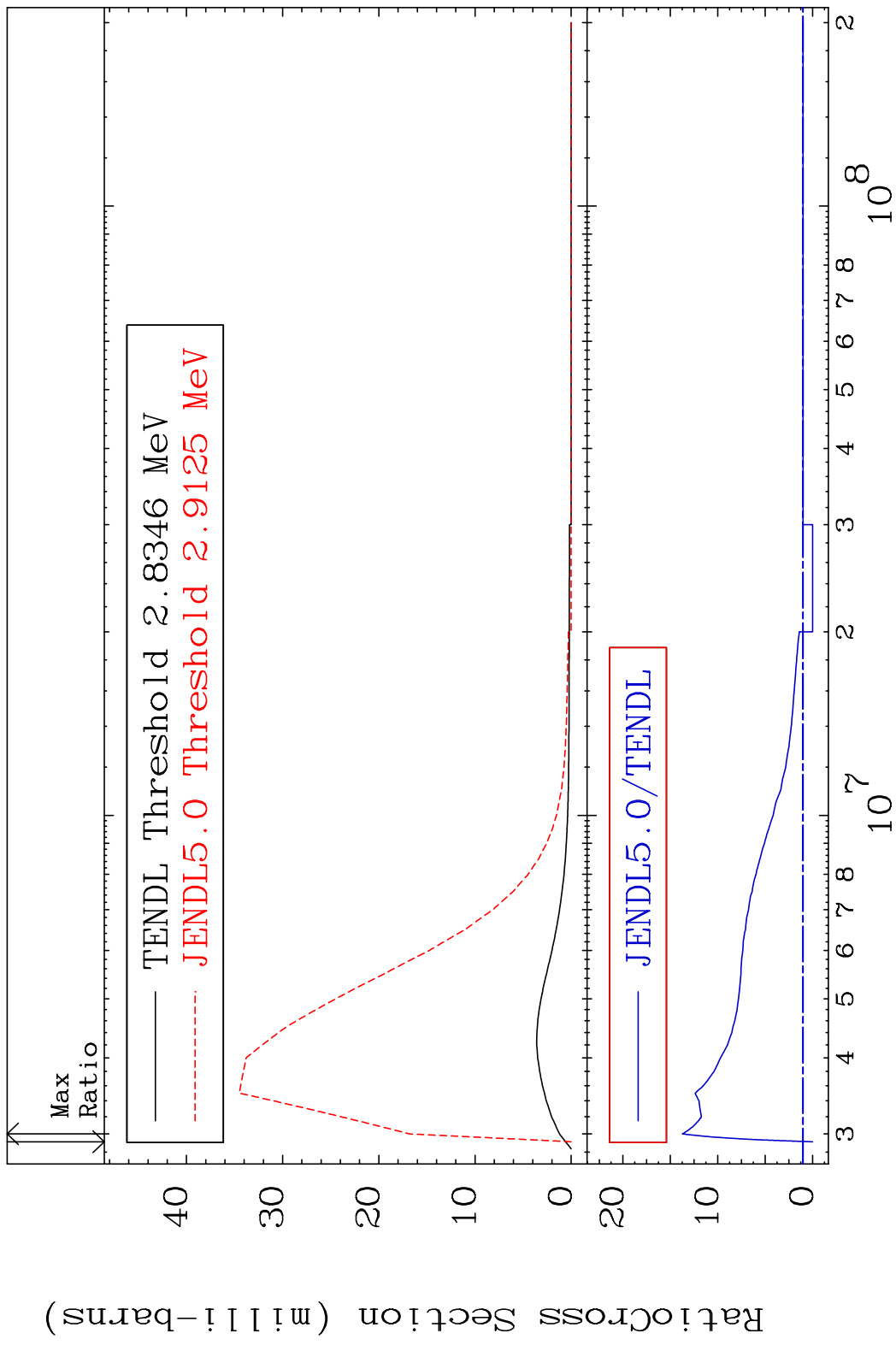
Incident Energy (eV) 20-Ca-43

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

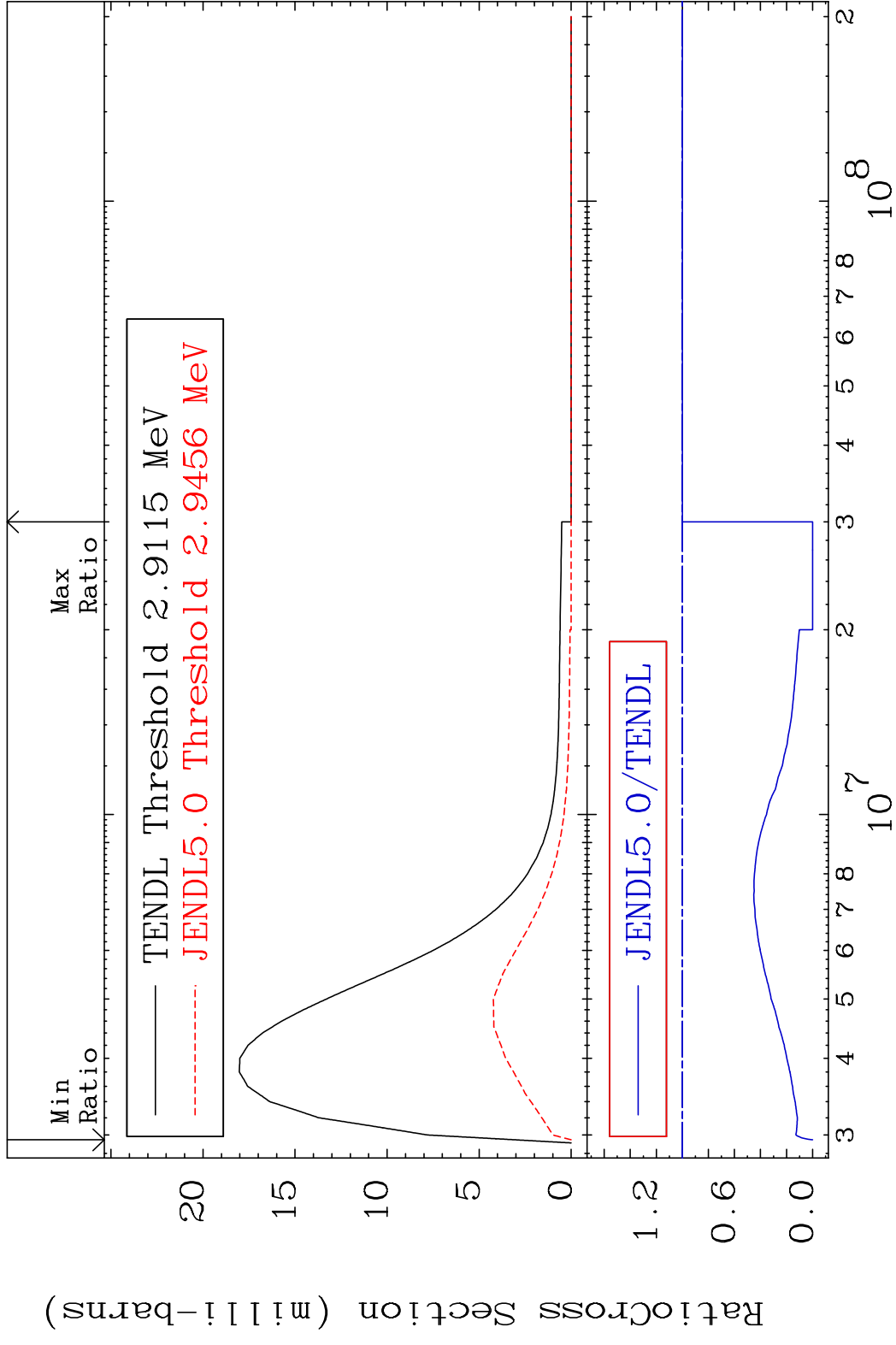


31 Incident Energy (eV) 20-Ca-43

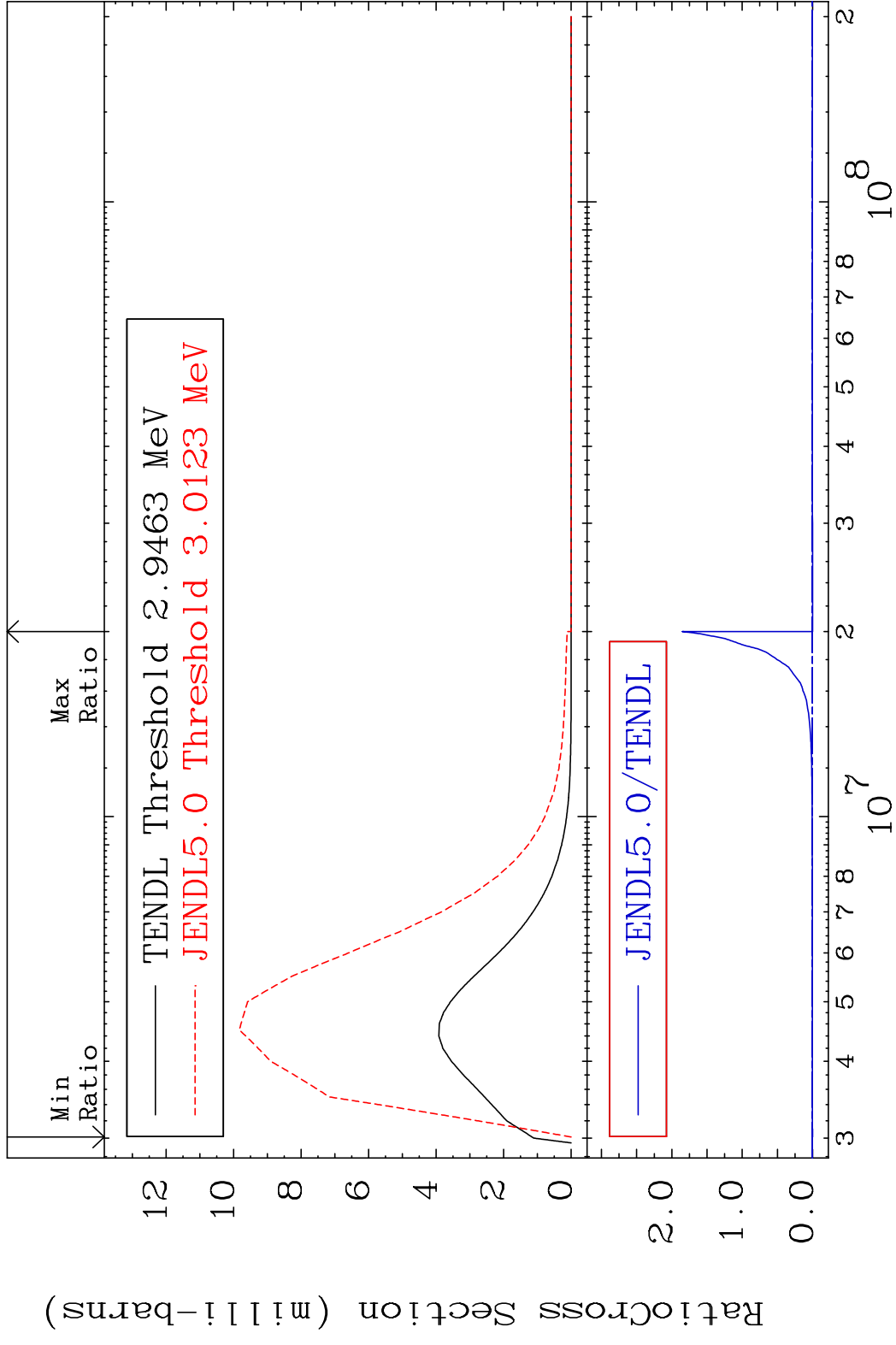
MAT 2034 MT= 74 (n,n') Level 20-Ca-43  
 Cross Section -100.0 To 1273. %



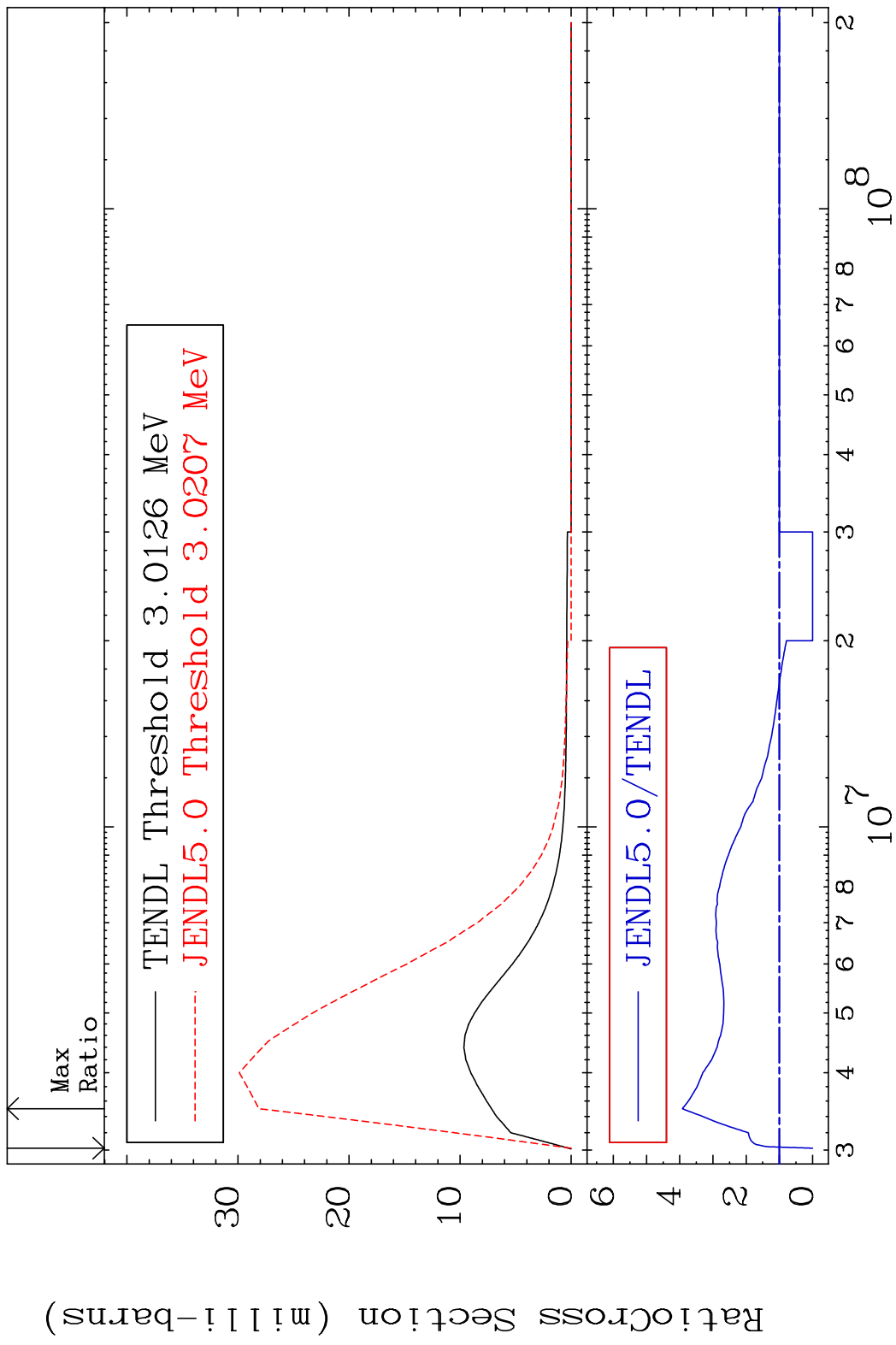
MAT 2034 MT= 75 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %



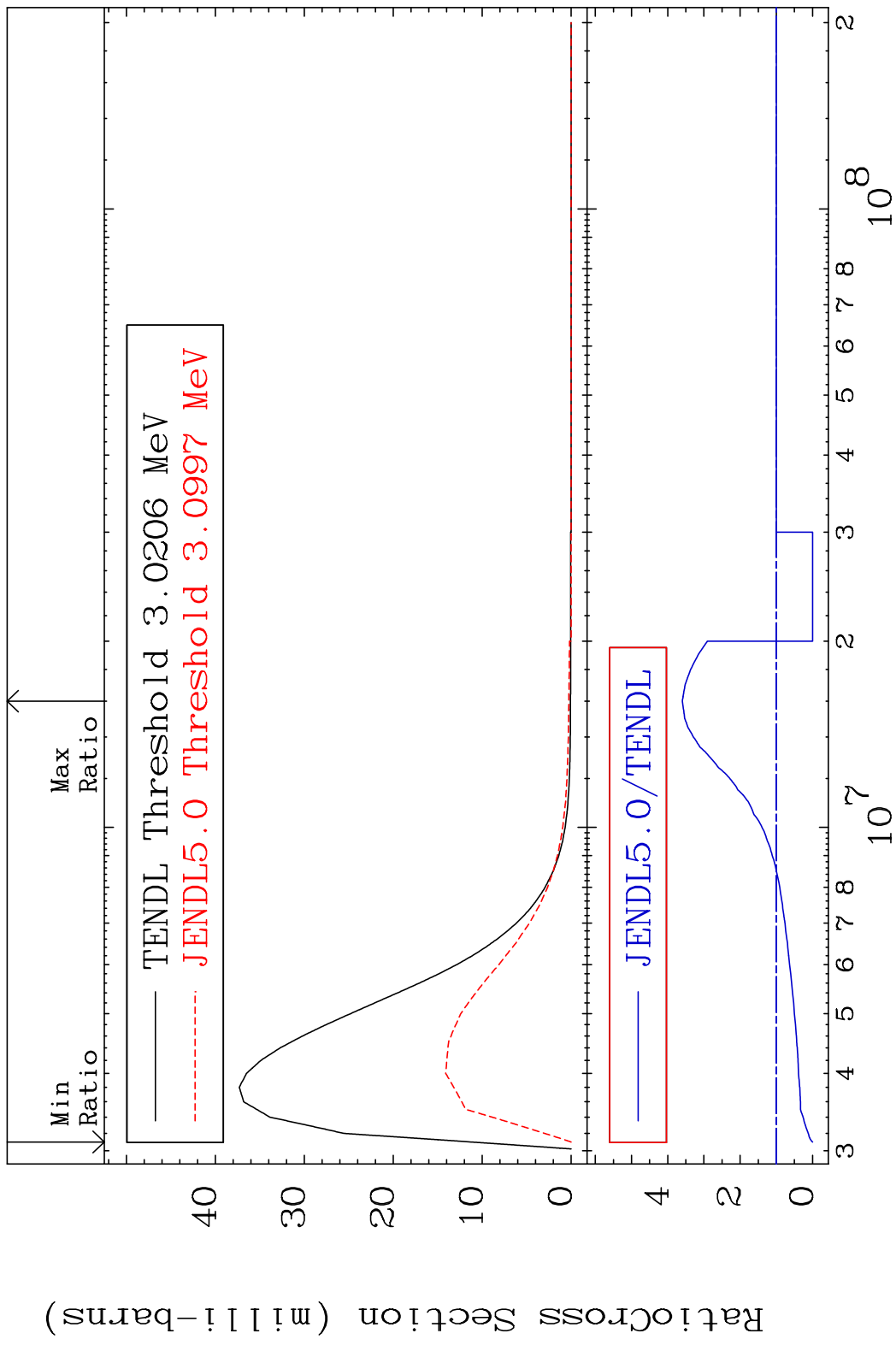
MAT 2034 MT= 76 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



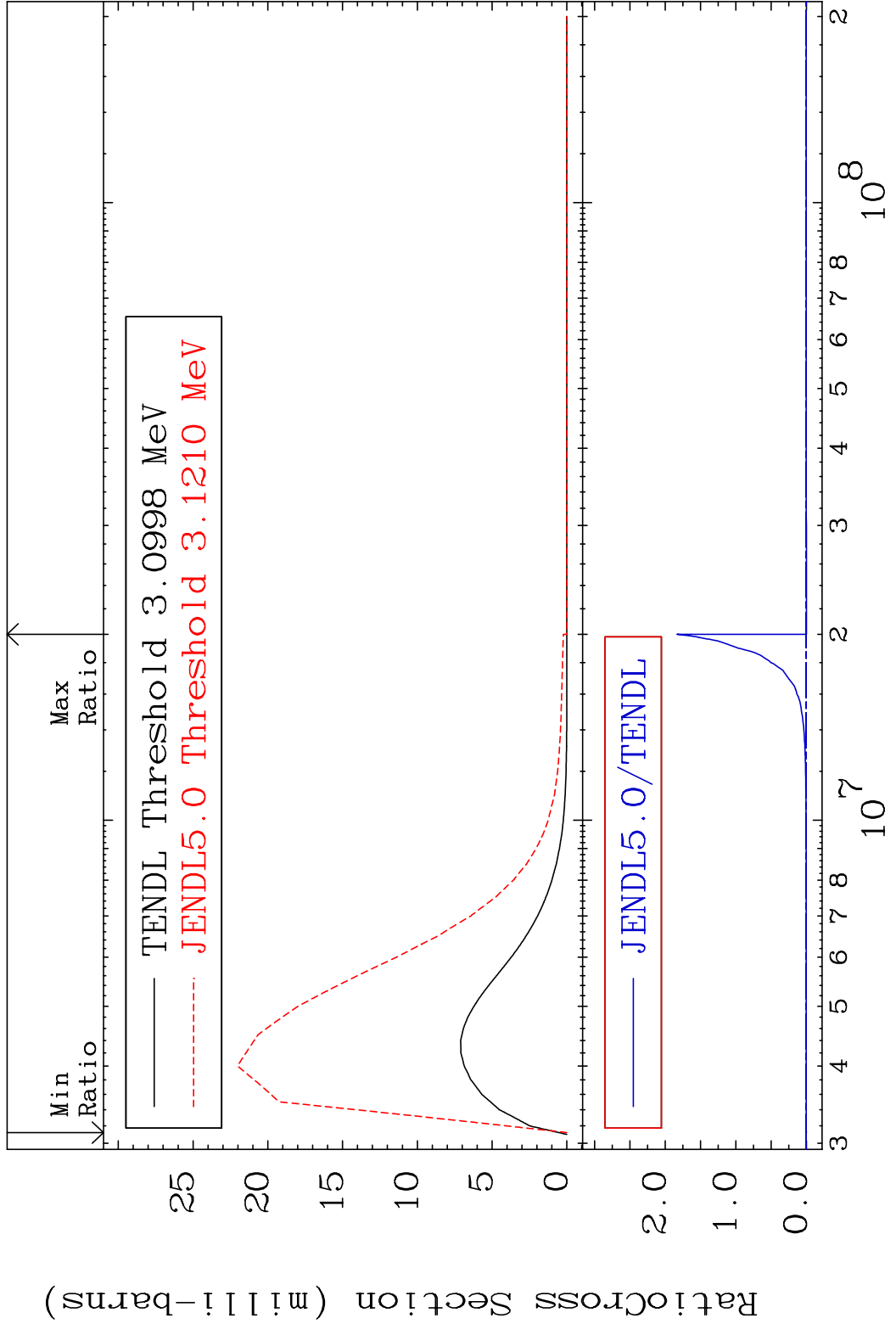
MAT 2034 MT= 77 (n,n') Level 20-Ca-43  
 Cross Section -100.0 To 292.1 %



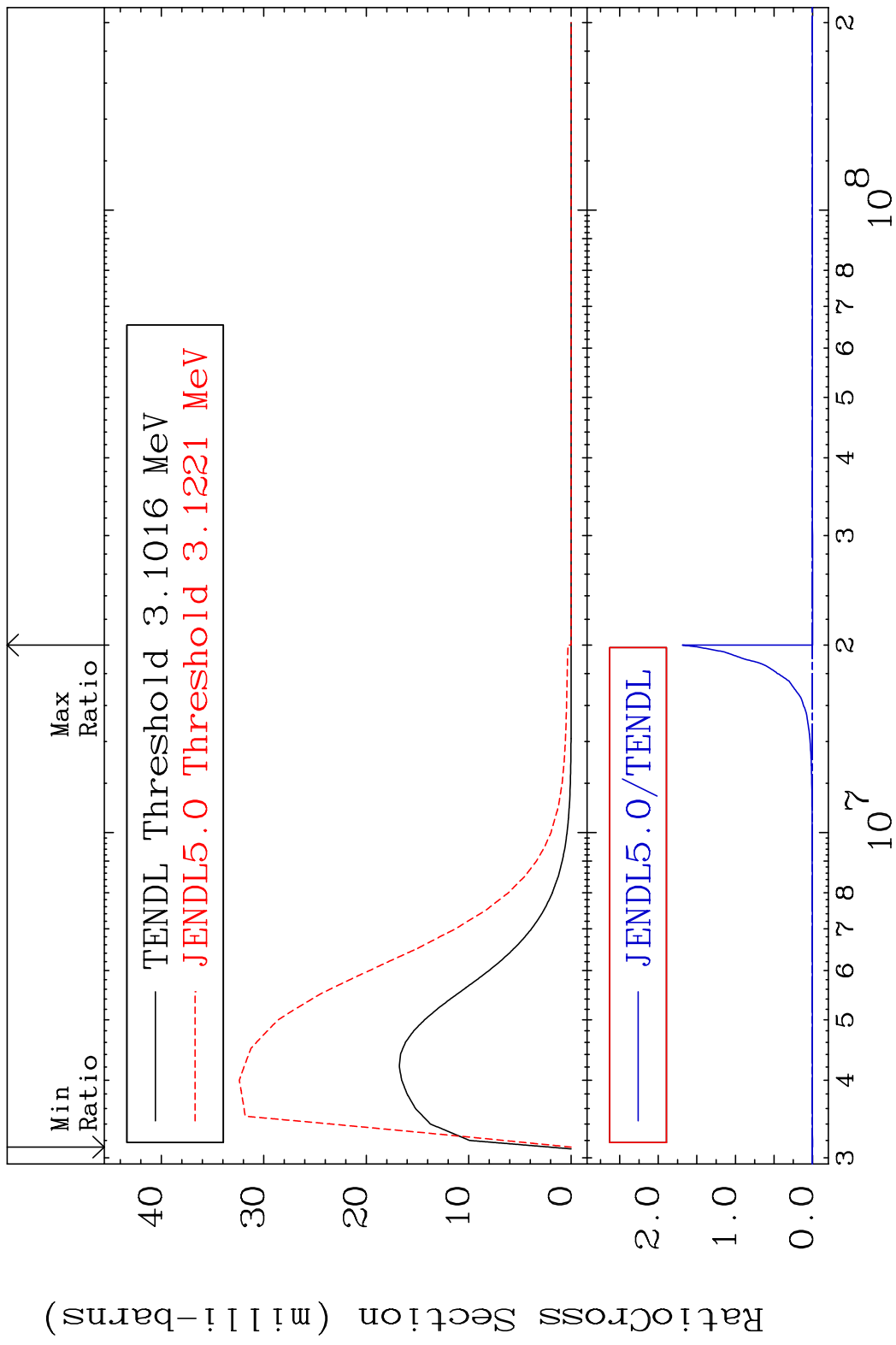
MAT 2034 MT= 78 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 259.6 %



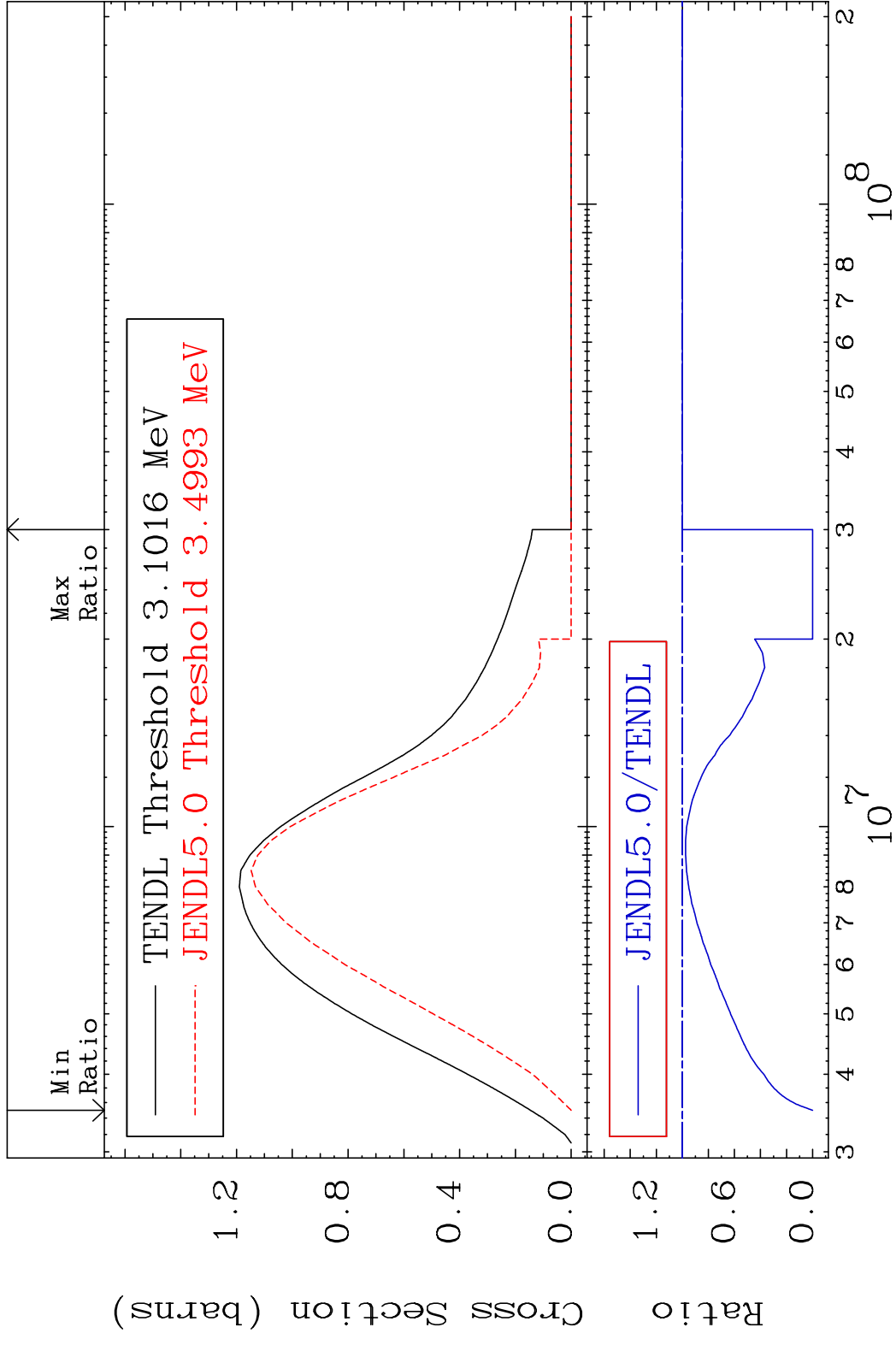
MAT 2034 MT= 79 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



MAT 2034 MT= 80 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



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

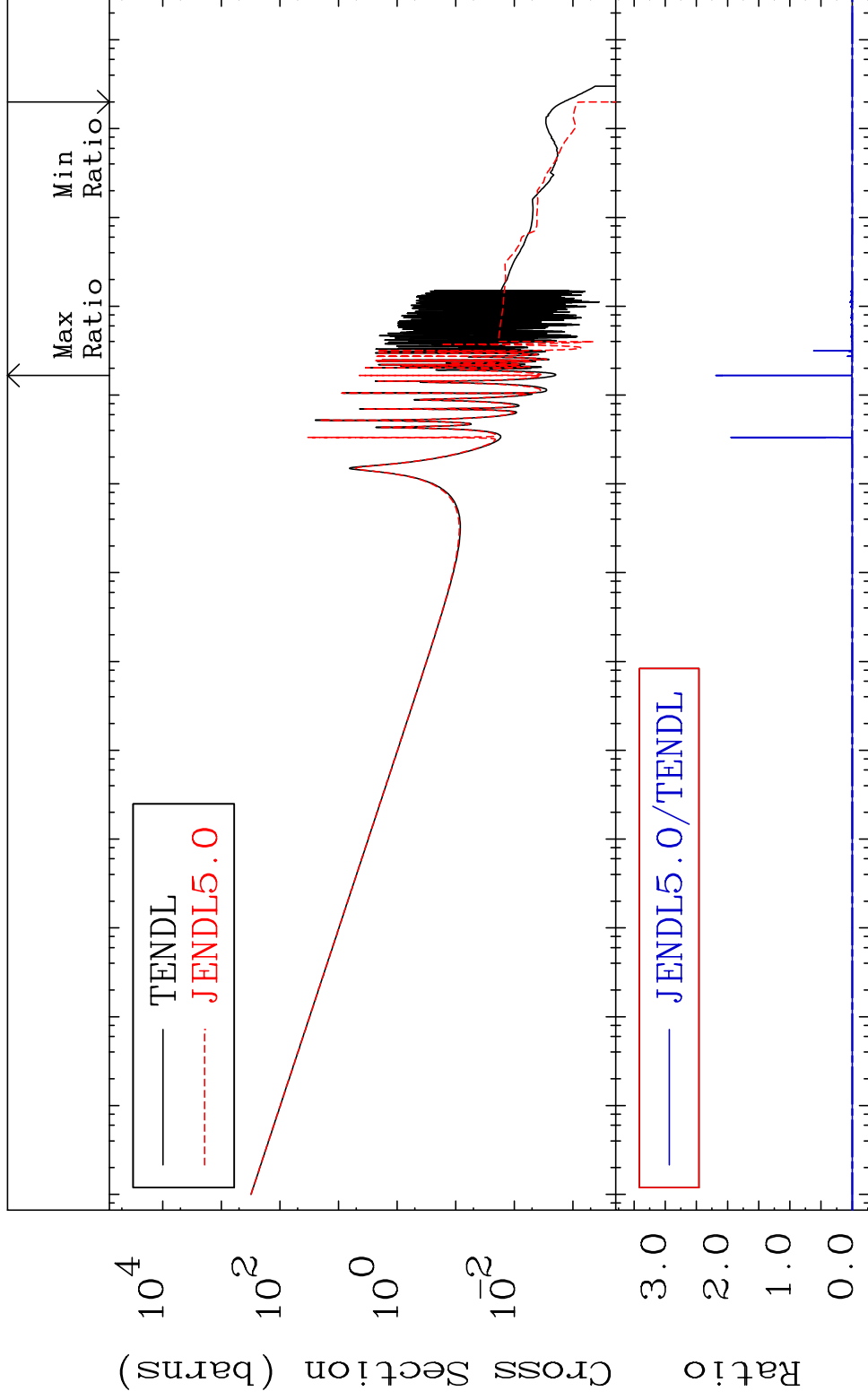


MAT 2034

(n,  $\gamma$ )

20-Ca-43

Cross Section -100.0 To 9999. %

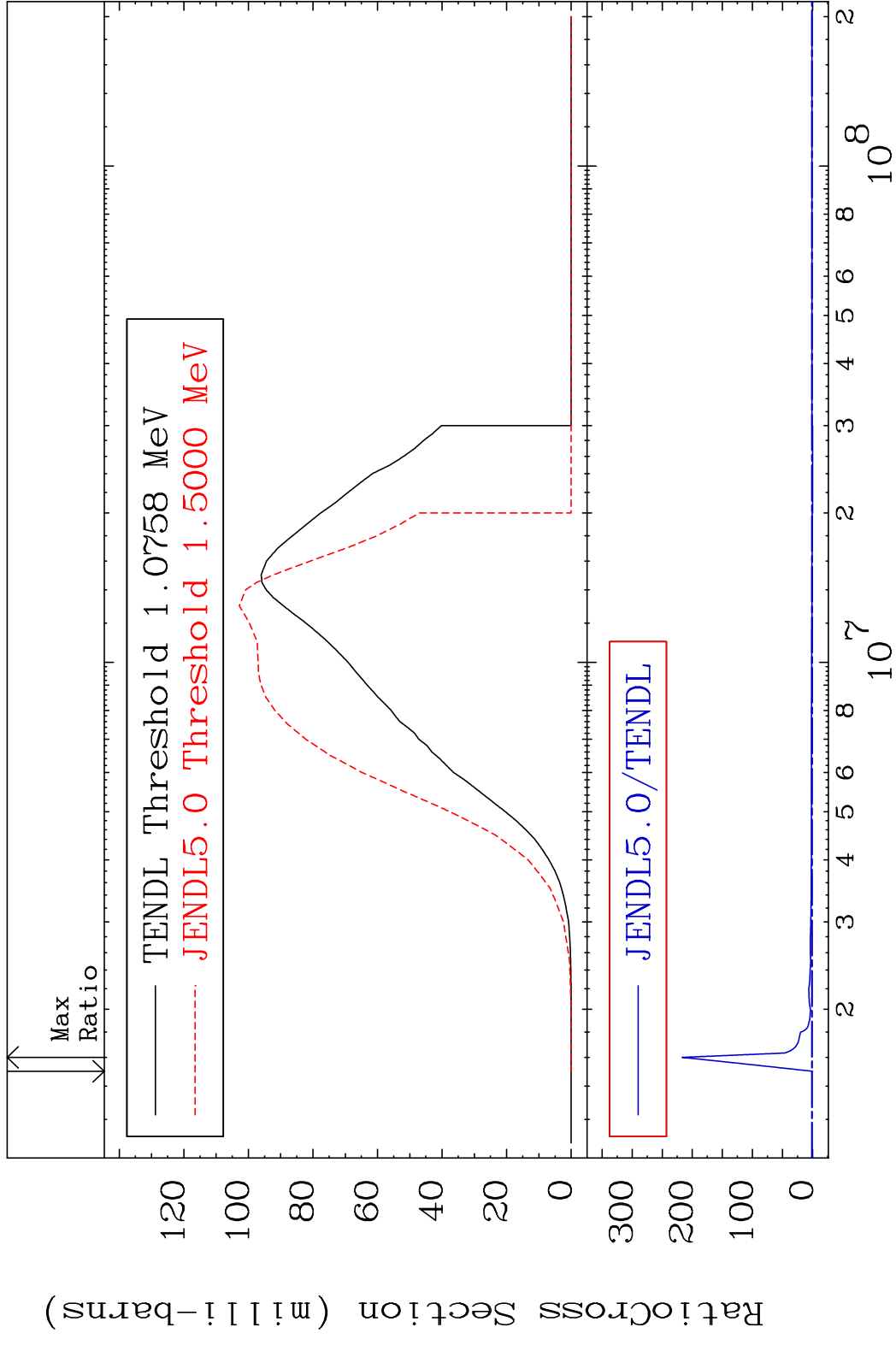


40

Incident Energy (eV)

20-Ca-43

MAT 2034 (n,p) 20-Ca-43  
 Cross Section -100.0 To 9999. %

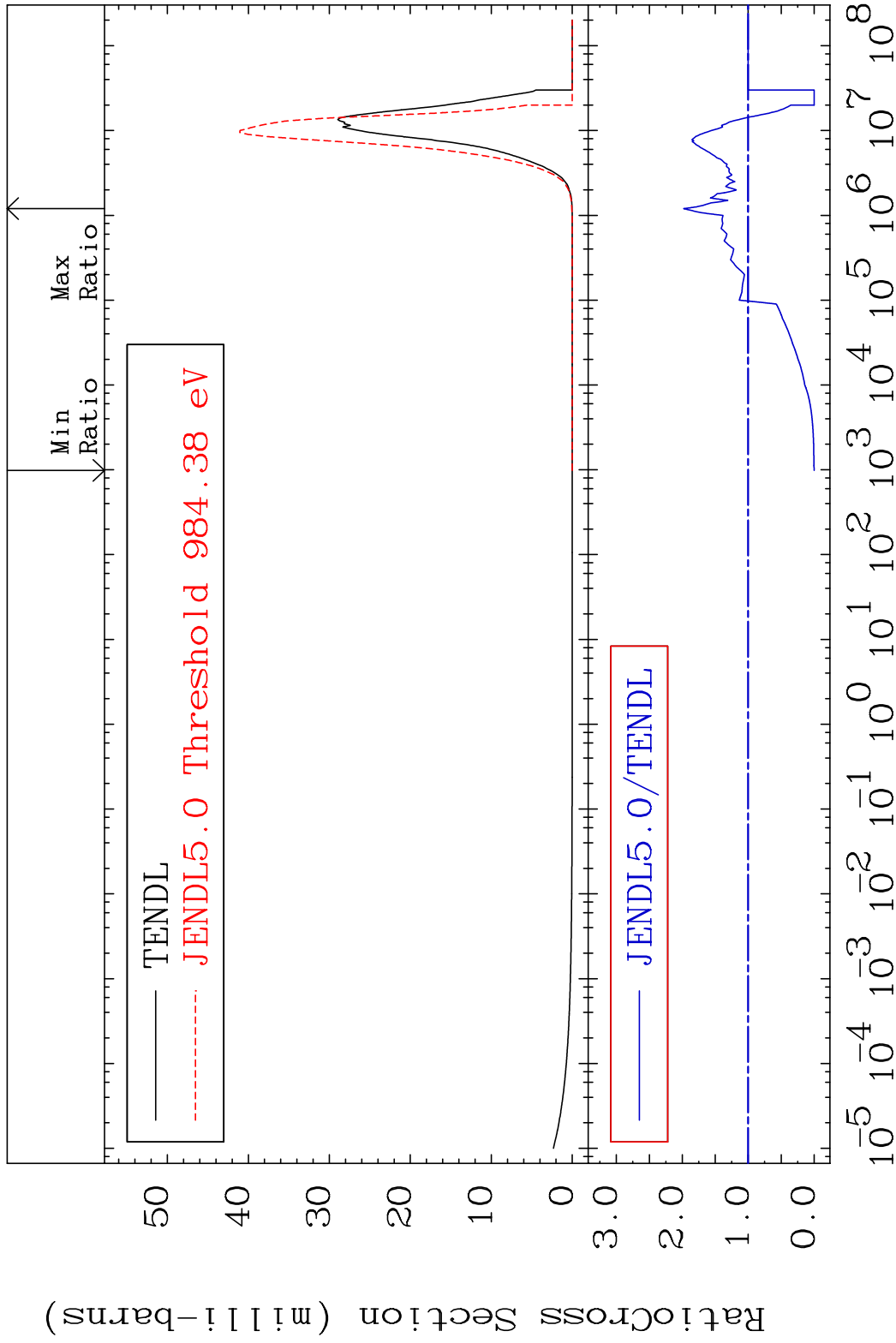


MAT 2034

(n,  $\alpha$ )

20-Ca-43

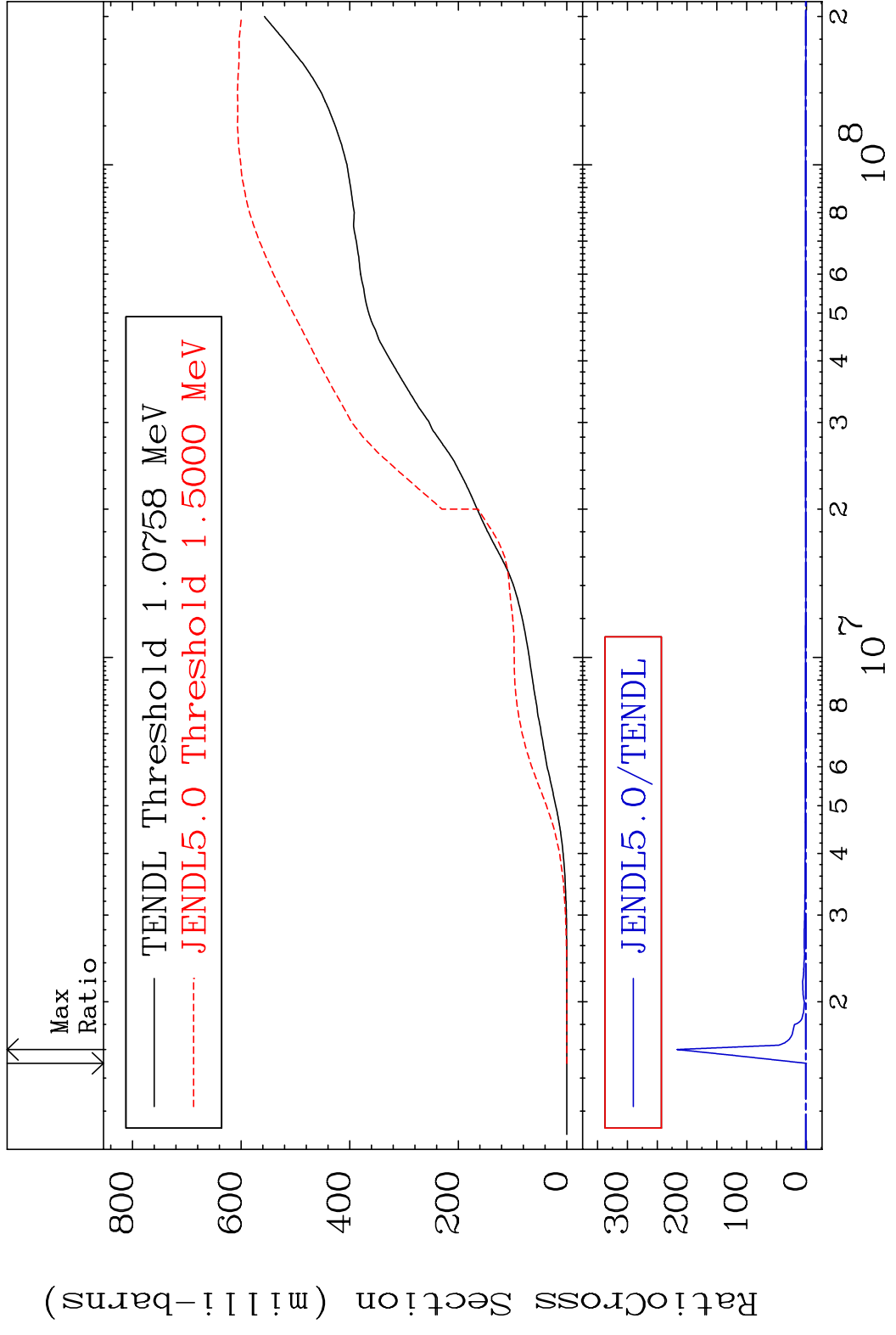
Cross Section -100.0 To 97.90 %



42

20-Ca-43

MAT 2034 Hydrogen Production 20-Ca-43  
 Cross Section -100.0 To 9999. %

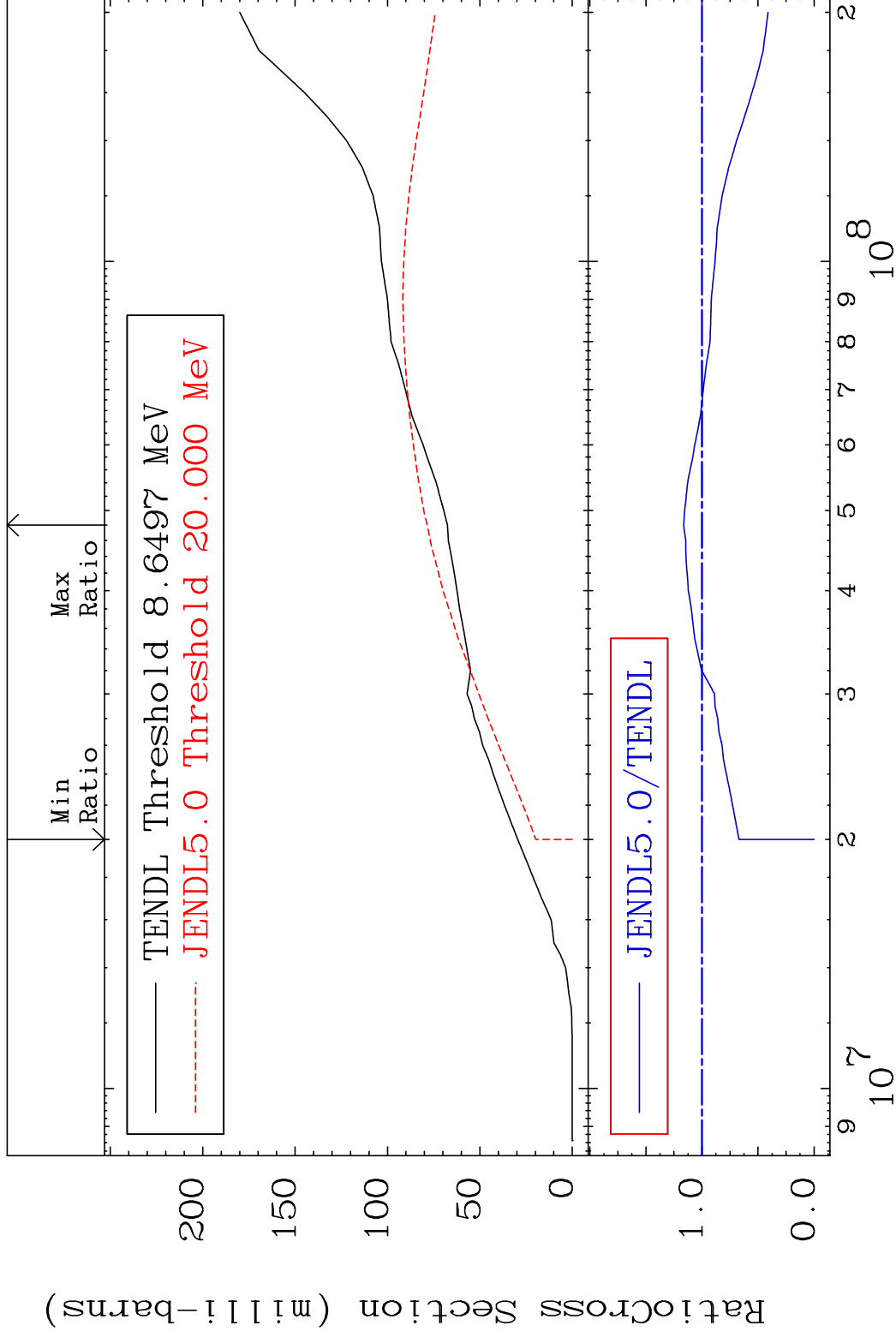


43 20-Ca-43

MAT 2034

Deuterium Production 20-Ca-43

Cross Section -100.0 To 16.33 %

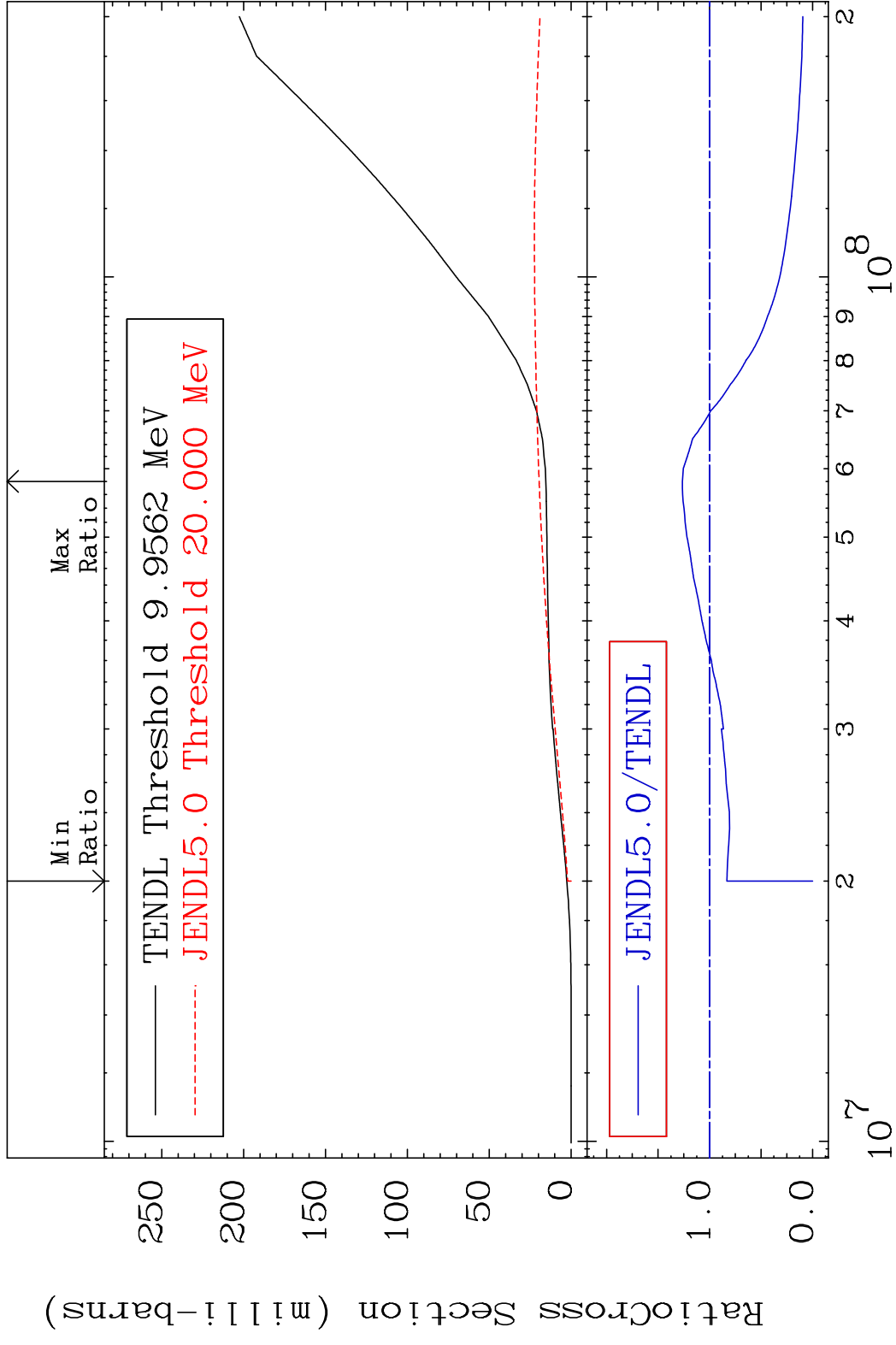


44

Incident Energy (eV)

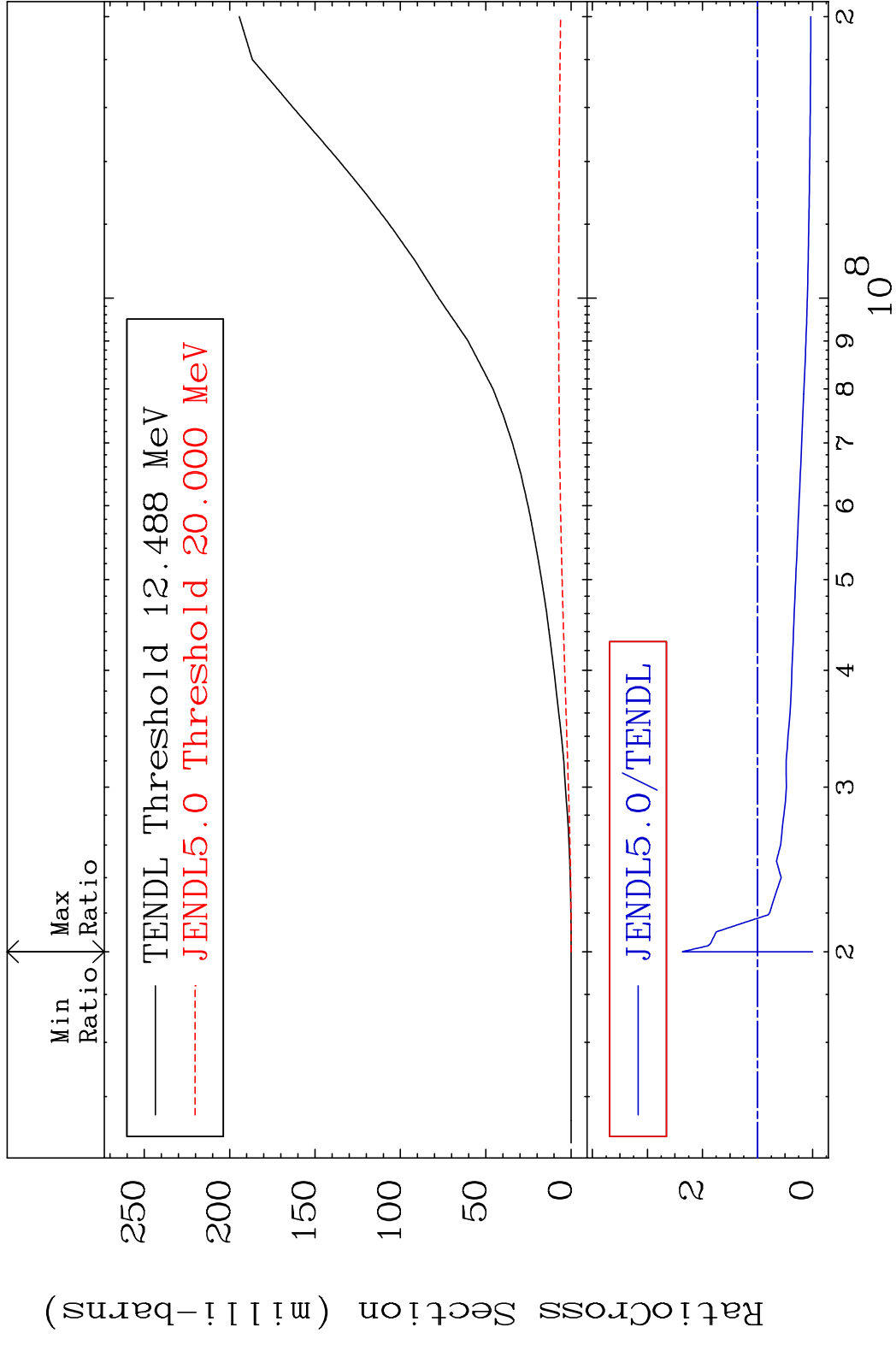
20-Ca-43

MAT 2034 Tritium Production 20-Ca-43  
 Cross Section -100.0 To 26.42 %



45 20-Ca-43

Cross Section -100.0 To 136.5 %

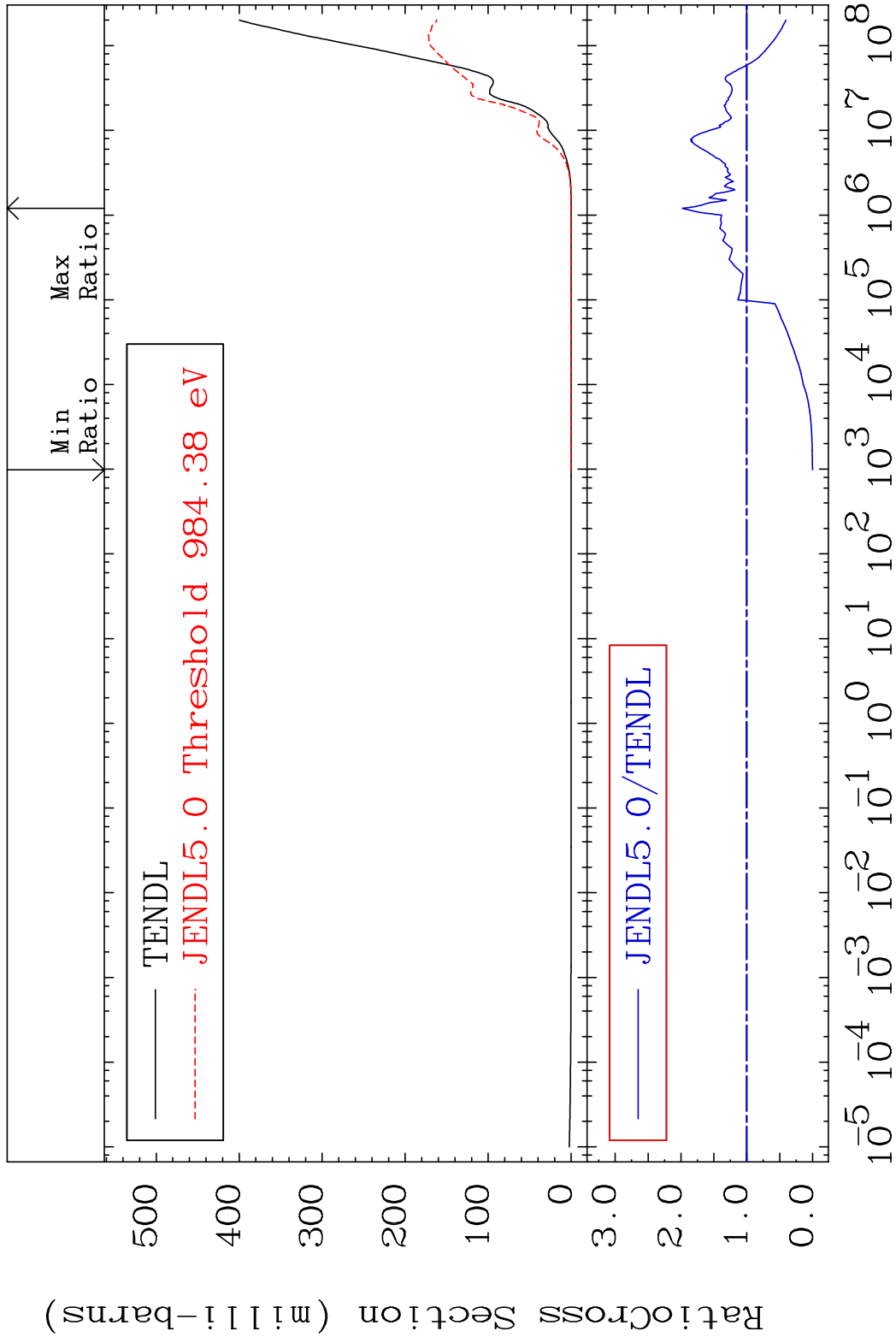


MAT 2034

He-4 Production

20-Ca-43

Cross Section -100.0 To 97.90 %

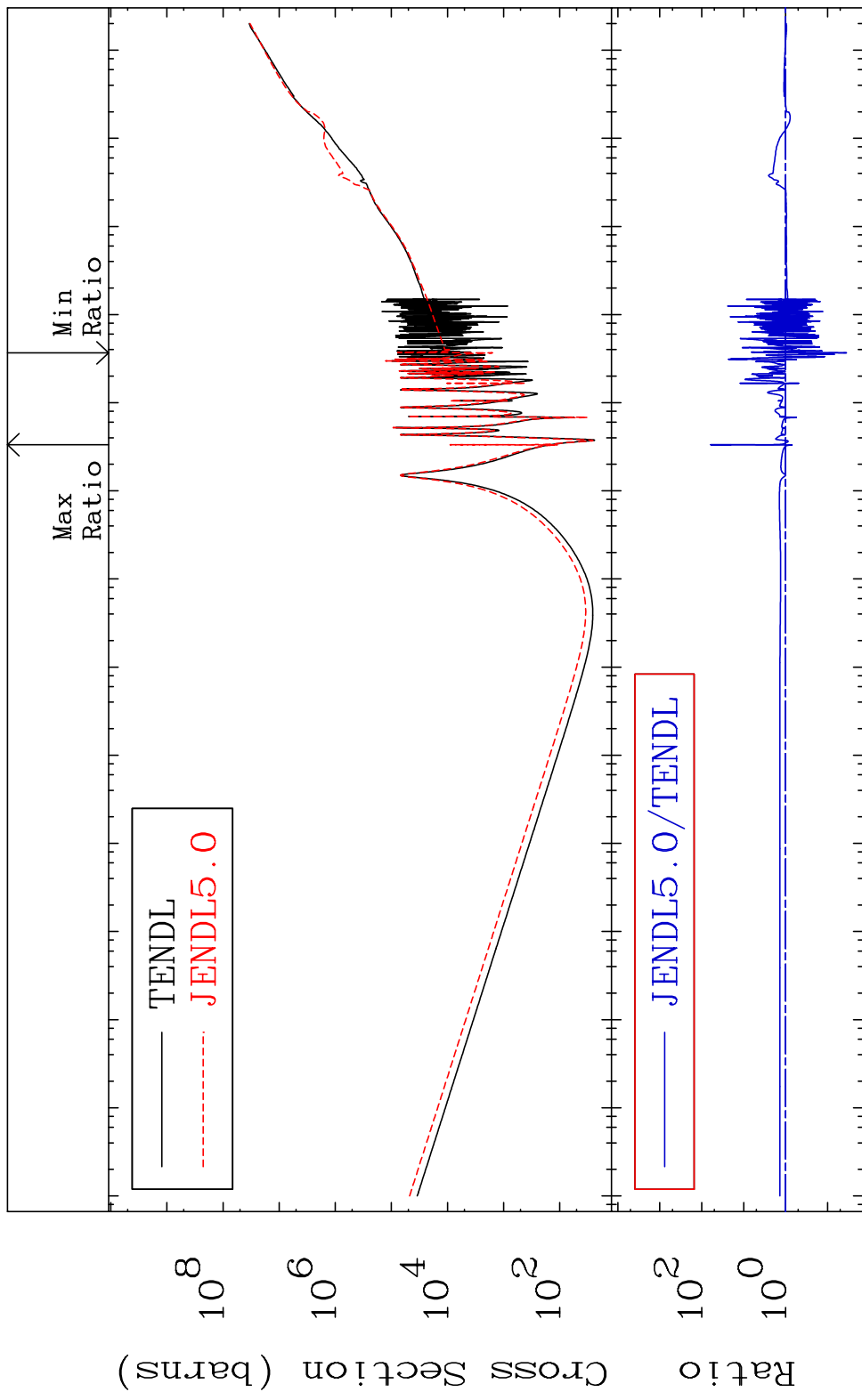


47

Incident Energy (eV)

20-Ca-43

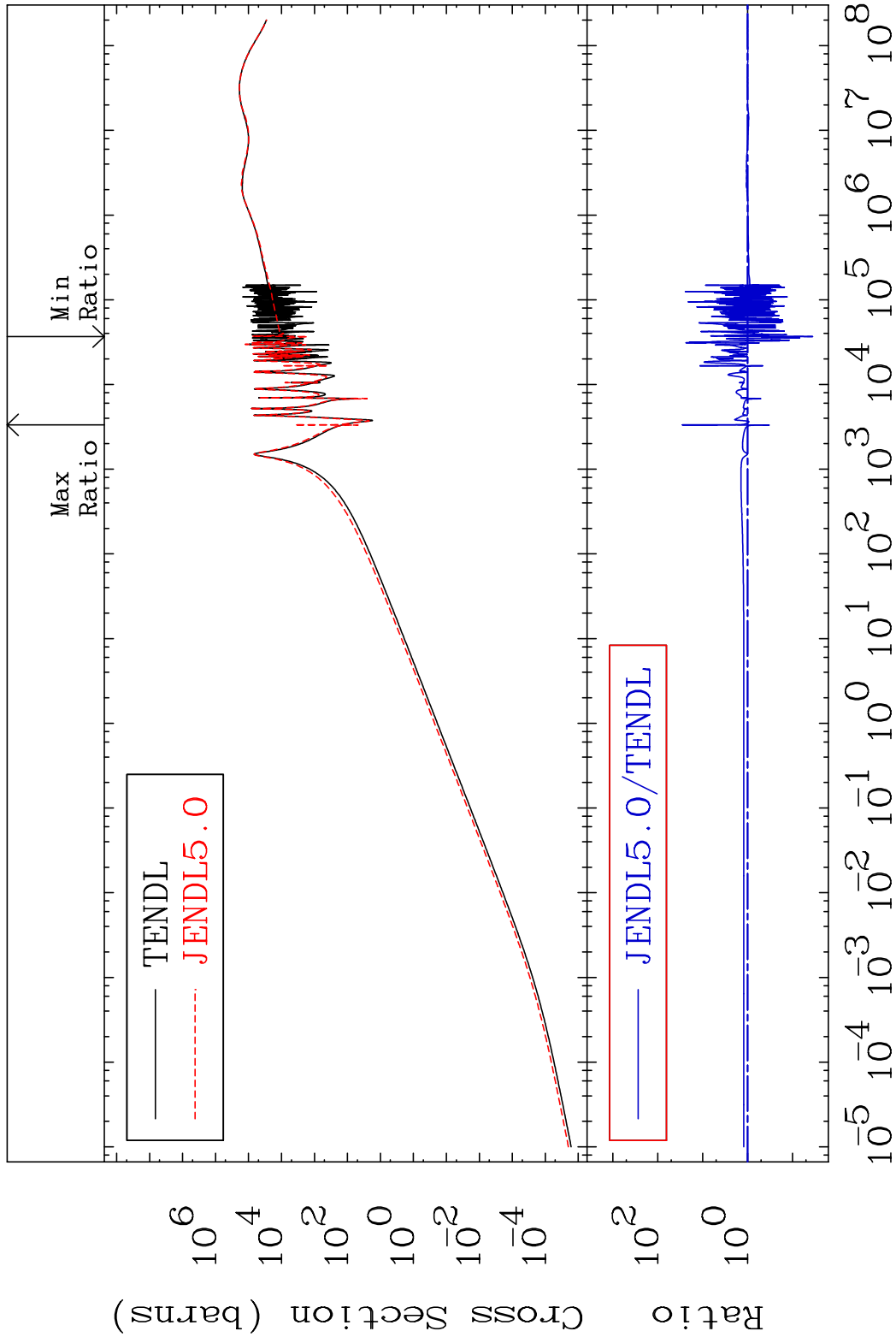
MAT 2034 Kerma total (eV-barns) 20-Ca-43  
 Cross Section -96.43 To 6004. %



Ratio  
 10<sup>2</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>  
 Incident Energy (eV) 20-Ca-43

MAT 2034

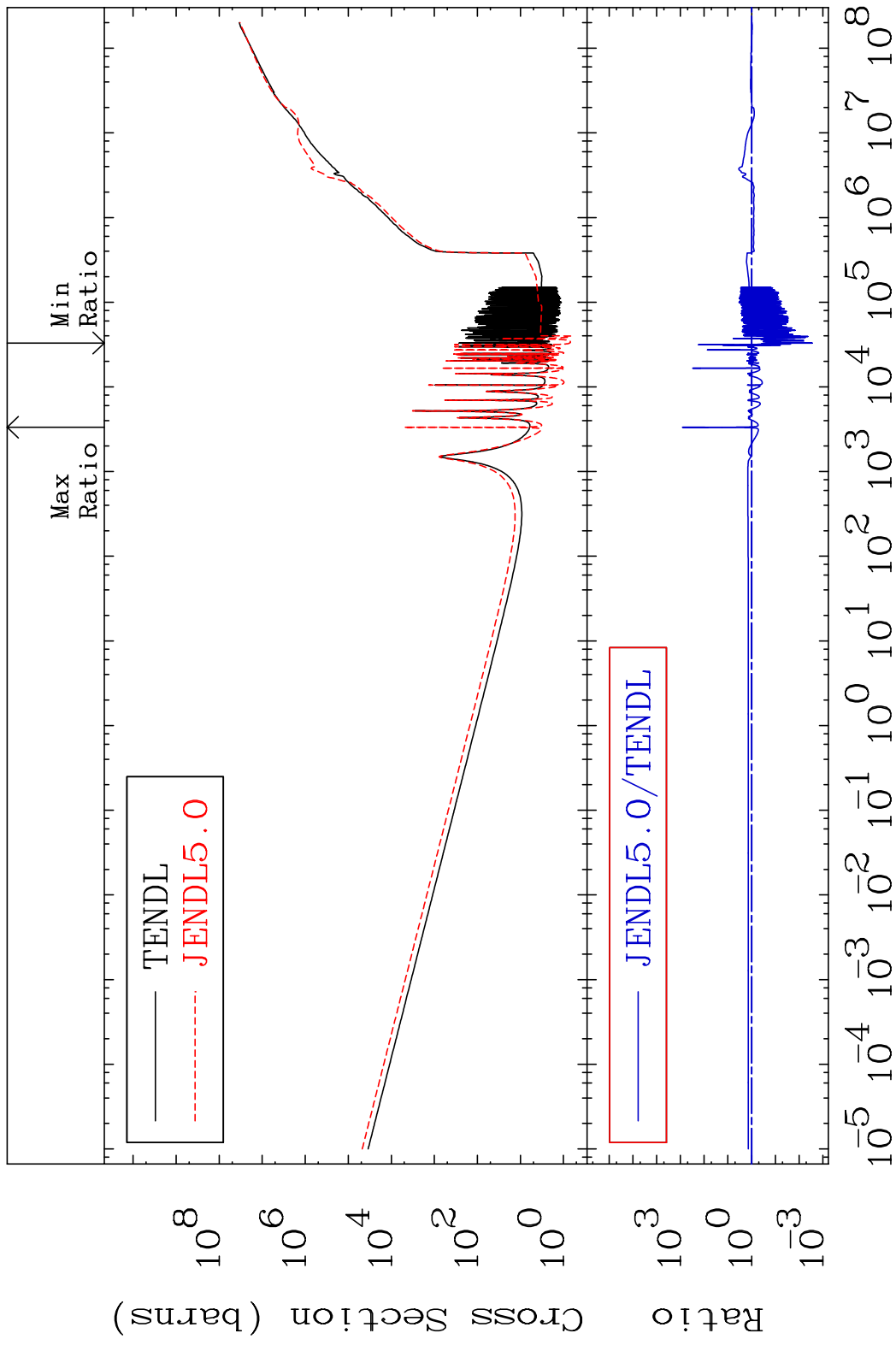
Kerma elastic Cross Section -96.43 To 2726. %  
20-Ca-43



49

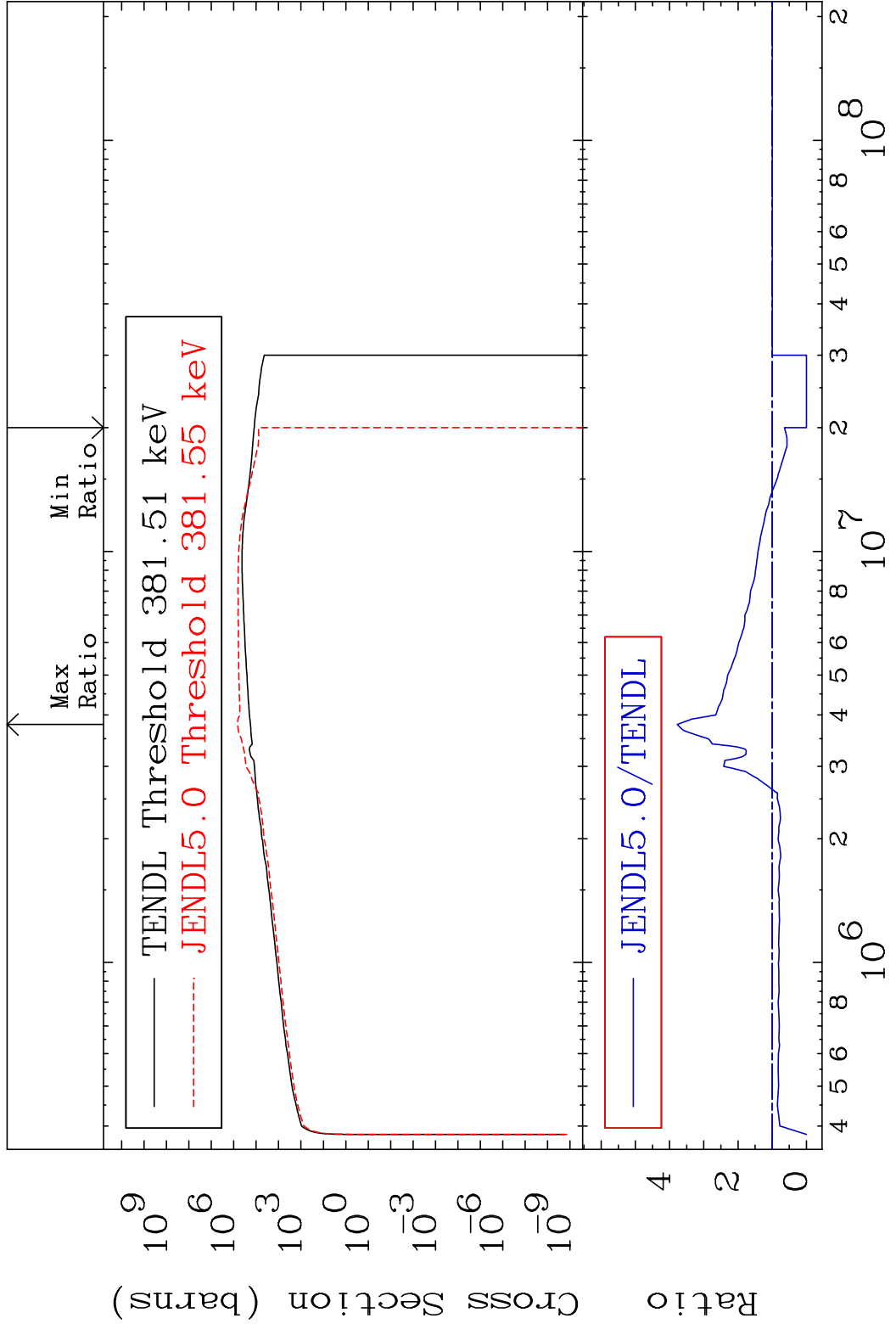
Incident Energy (eV) 20-Ca-43

MAT 2034 Kerma non-elastic (all but mt2) 20-Ca-43  
Cross Section -99.73 To 9999. %

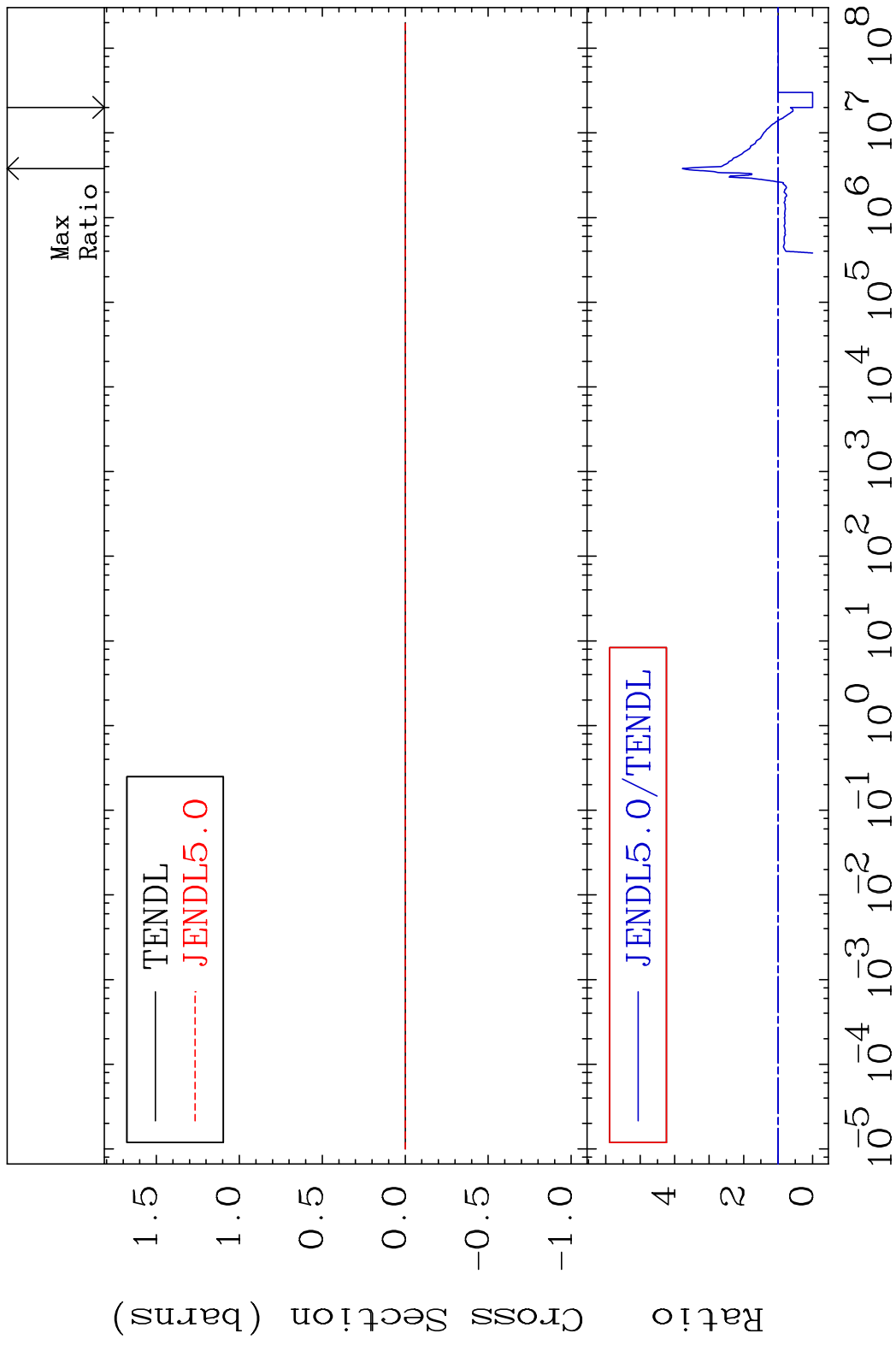


50 Incident Energy (eV) 20-Ca-43

MAT 2034 Kerma inelastic (mt51-91) 20-Ca-43  
 Cross Section -100.0 To 277.8 %

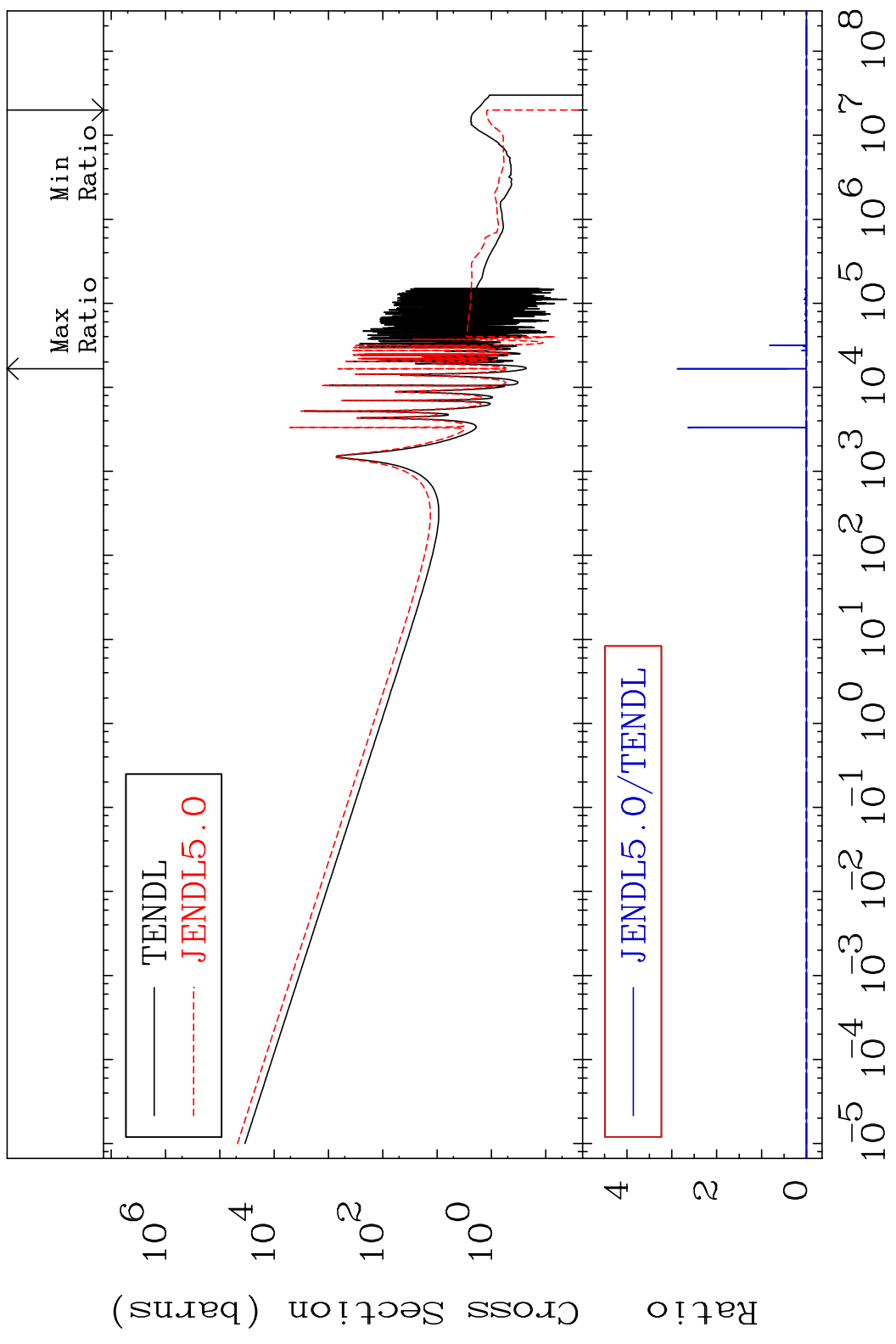


MAT 2034 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-43  
 Cross Section -100.0 To 277.8 %



MAT 2034

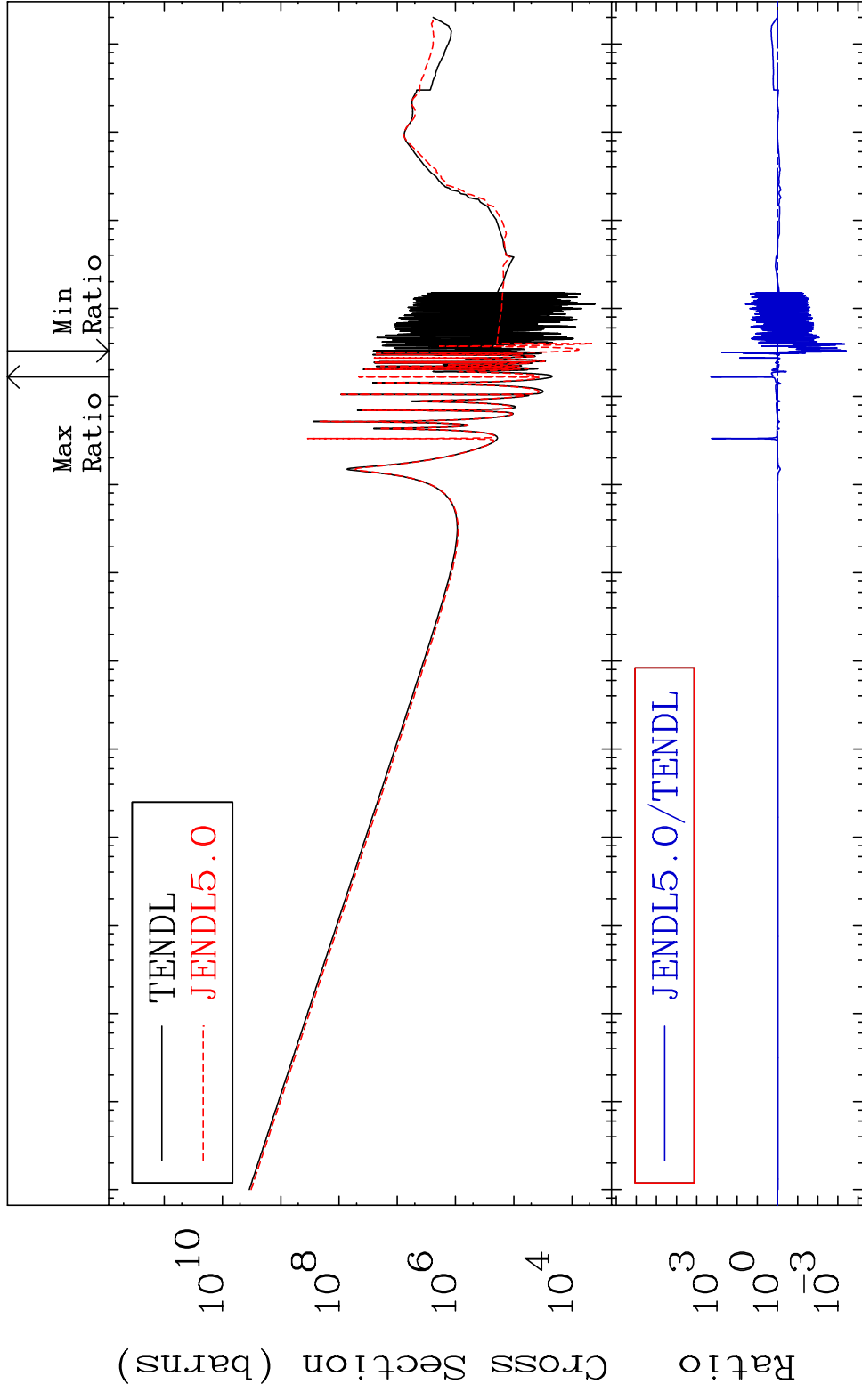
Kerma capture (mt102) 20-Ca-43  
Cross Section -100.0 To 9999. %



53

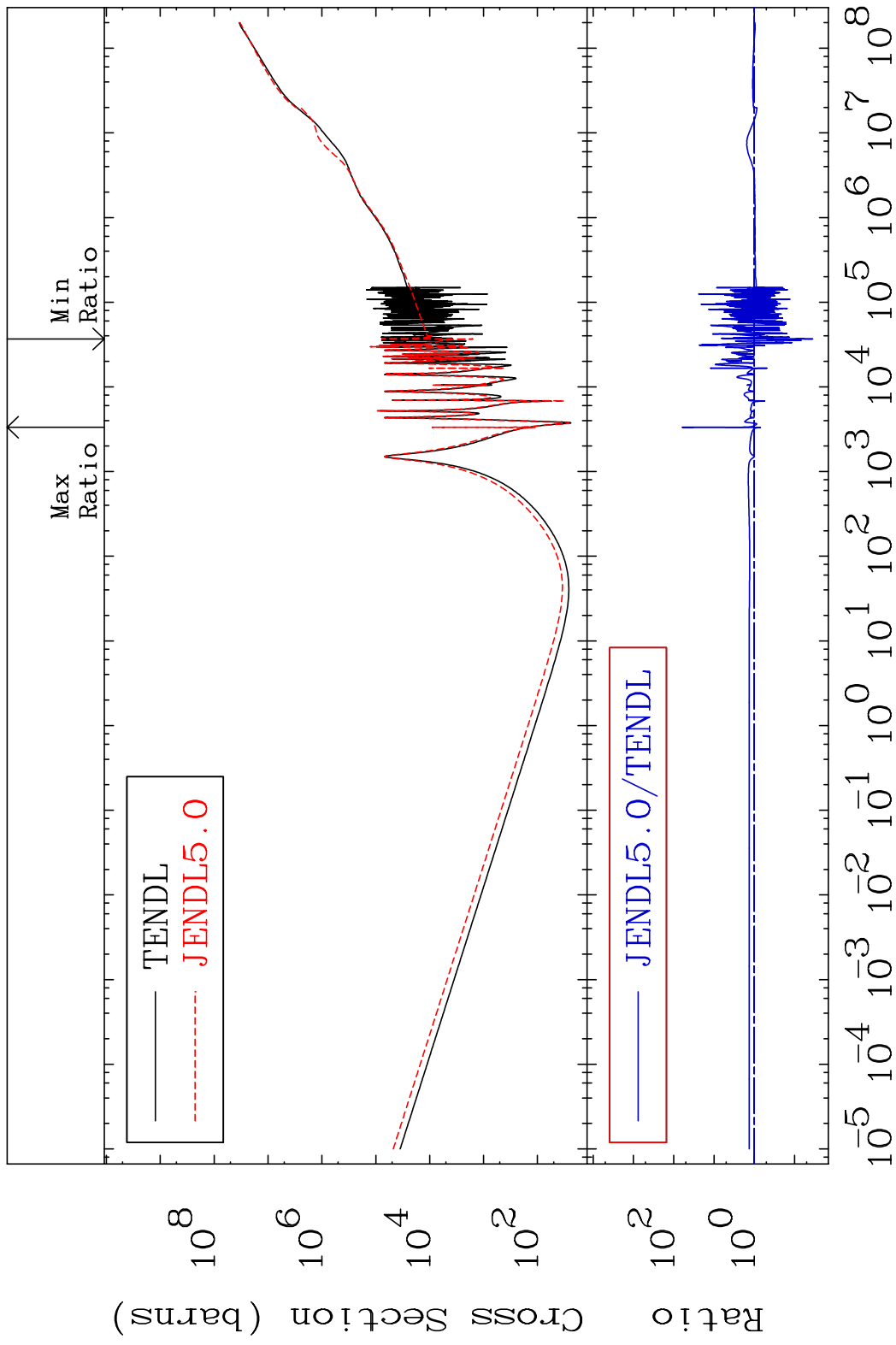
Incident Energy (eV) 20-Ca-43

MAT 2034 Total photon (eV-barns) 20-Ca-43  
 Cross Section -99.96 To 9999. %

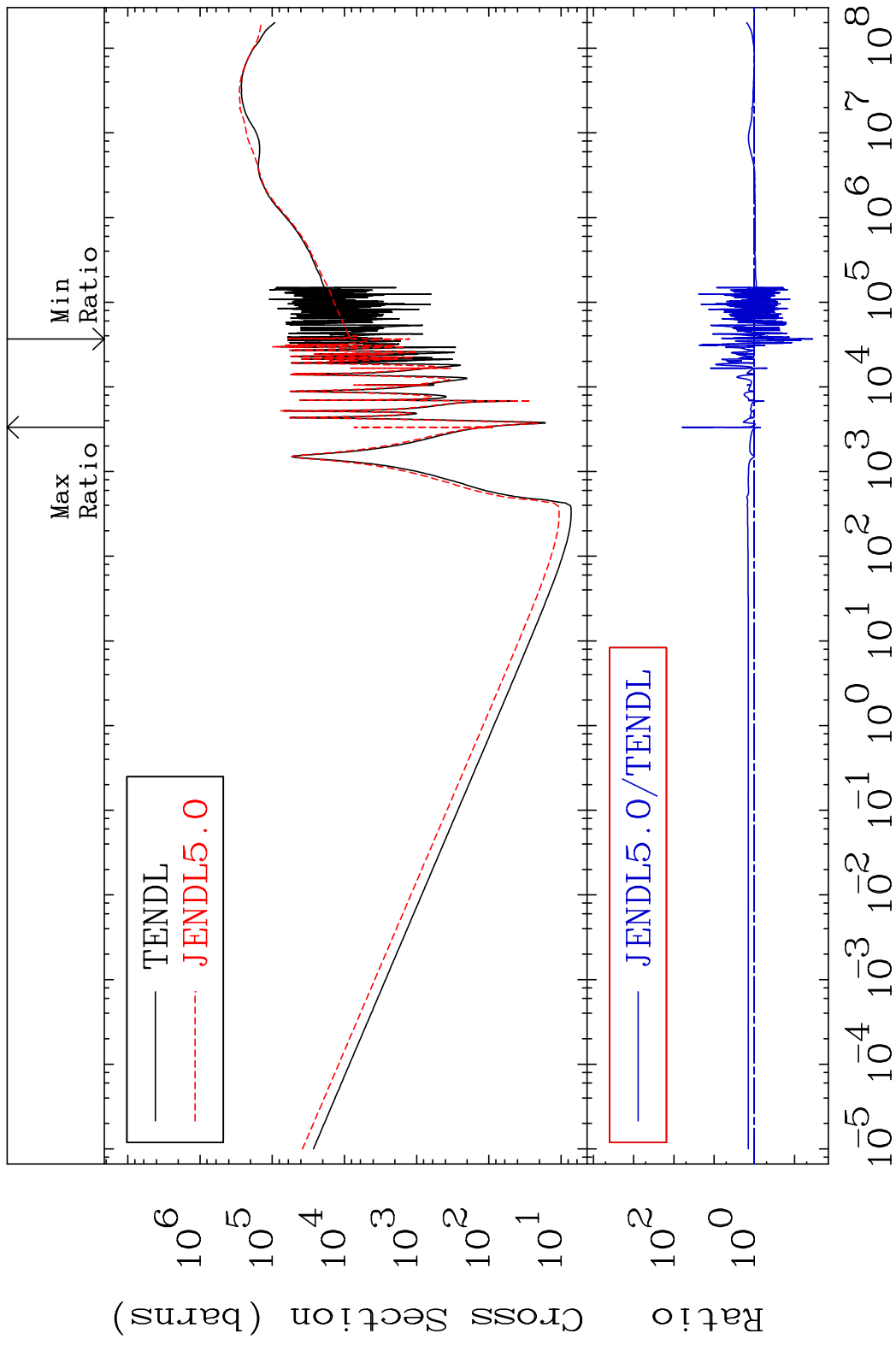


54 Incident Energy (eV) 20-Ca-43

MAT 2034 Total kinematic kerma (high limit) 20-Ca-43  
 Cross Section -96.43 To 6002. %



MAT 2034 Dpa total (eV-barns) 20-Ca-43  
 Cross Section -96.43 To 6049. %



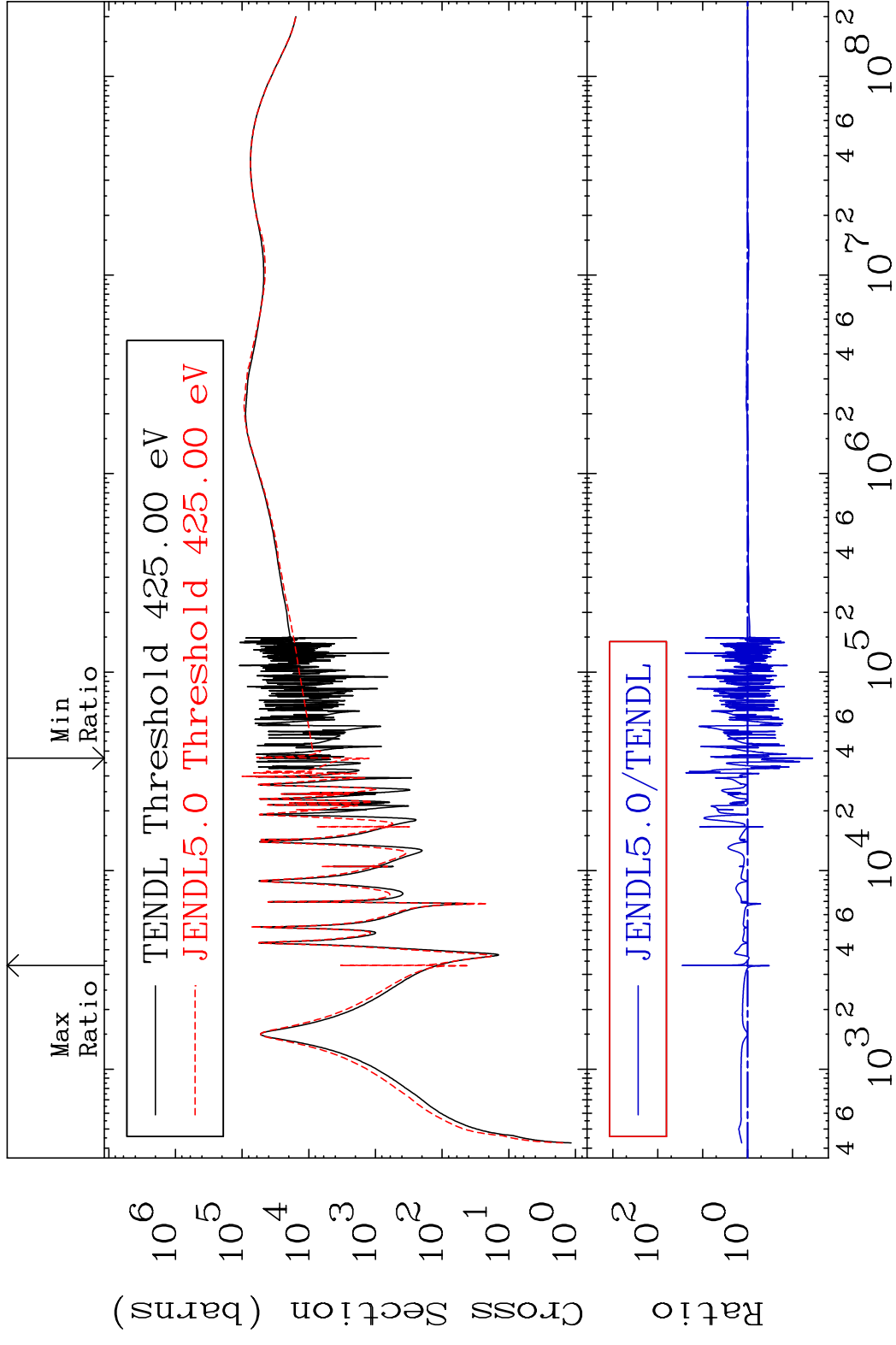
56 Incident Energy (eV) 20-Ca-43

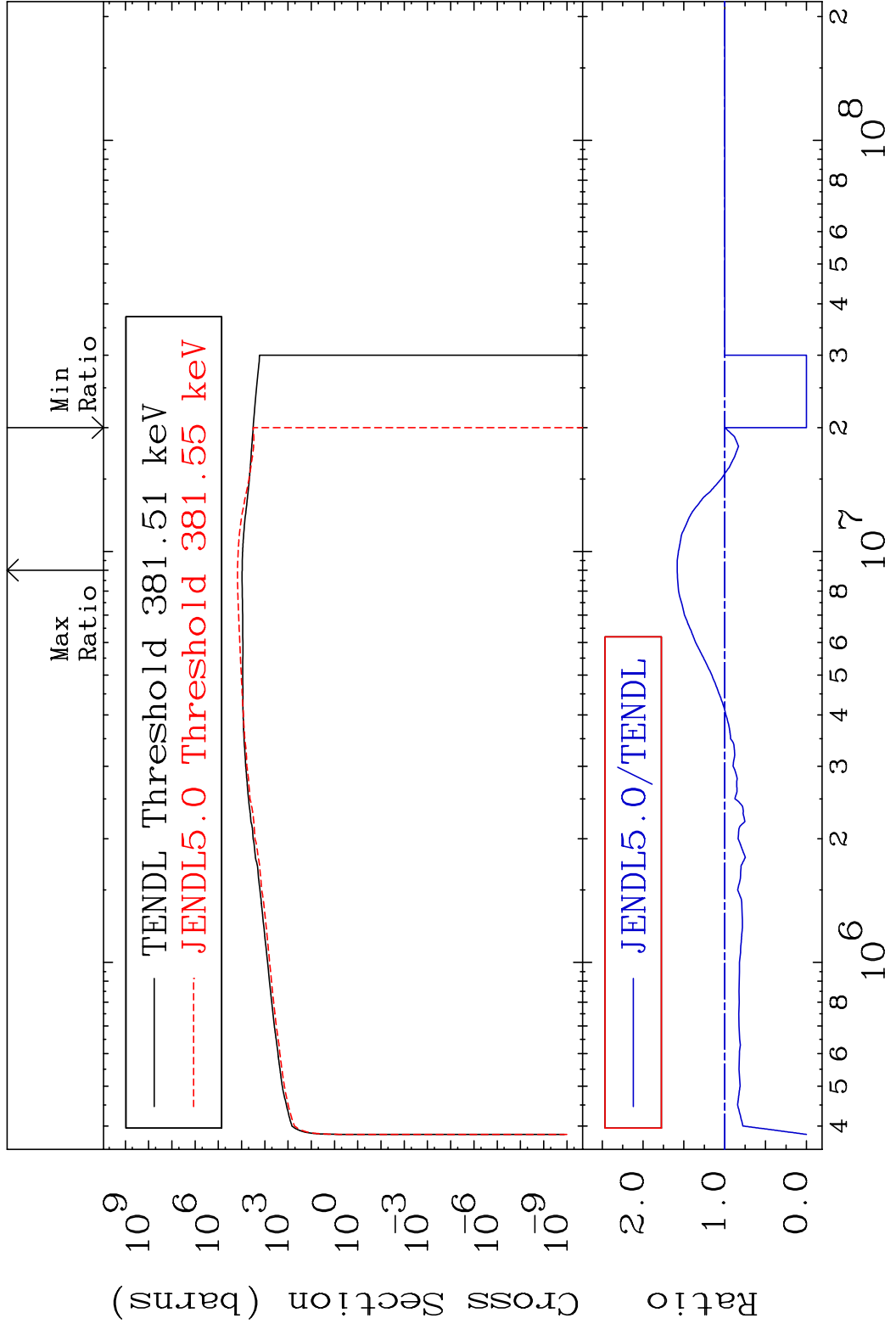
MAT 2034

Dpa elastic (mt2)

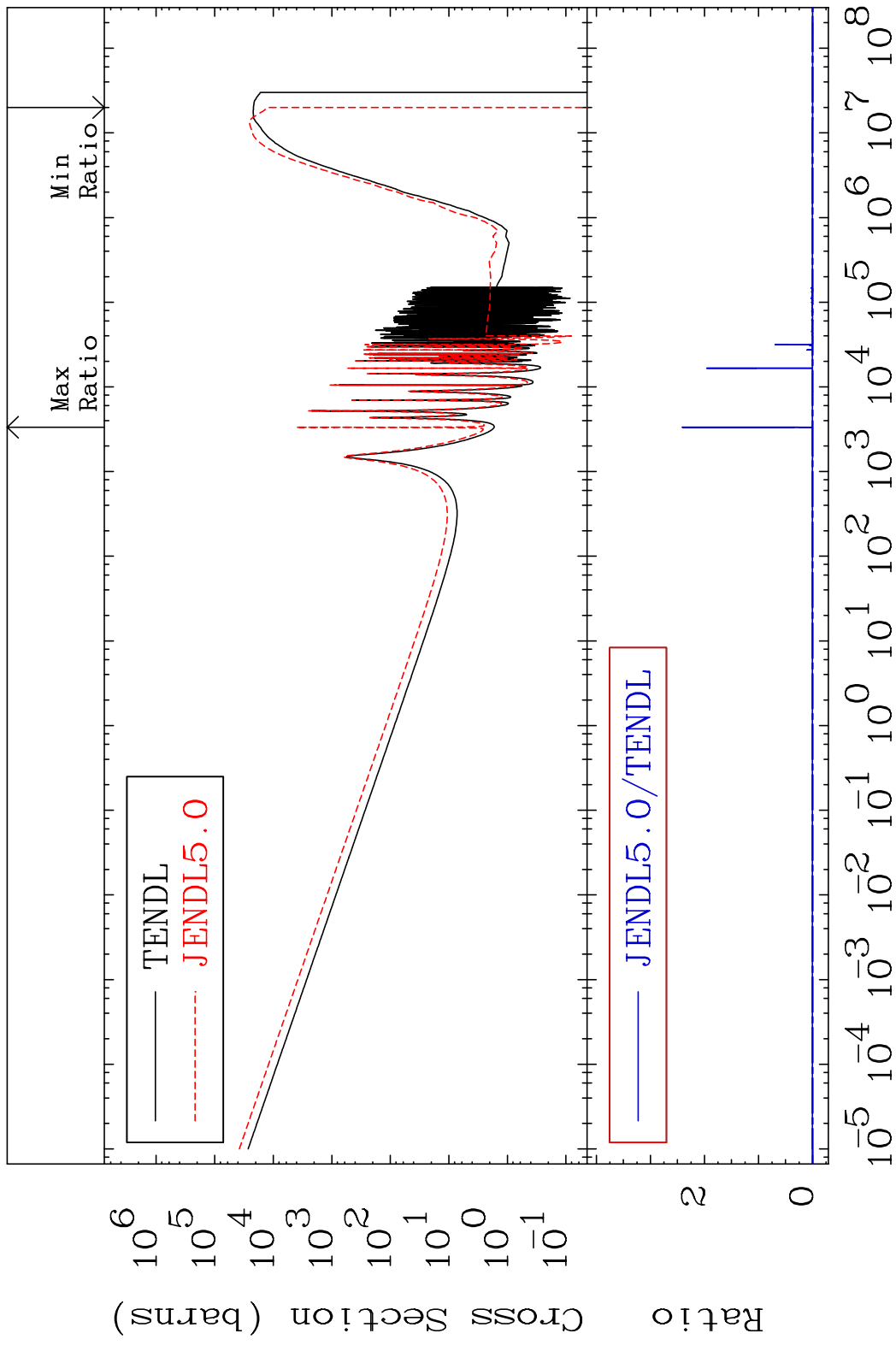
20-Ca-43

Cross Section -96.43 To 2721. %

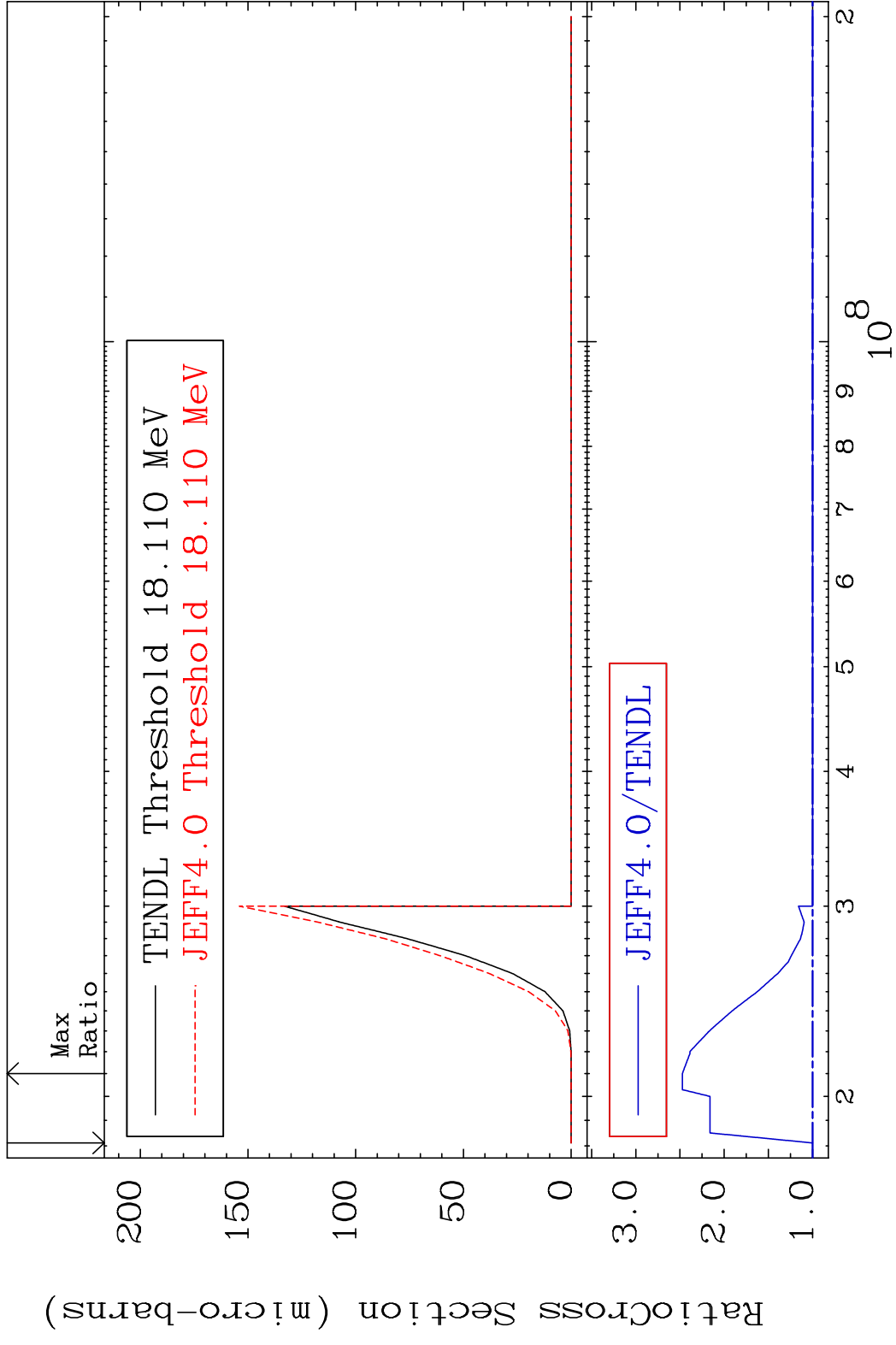




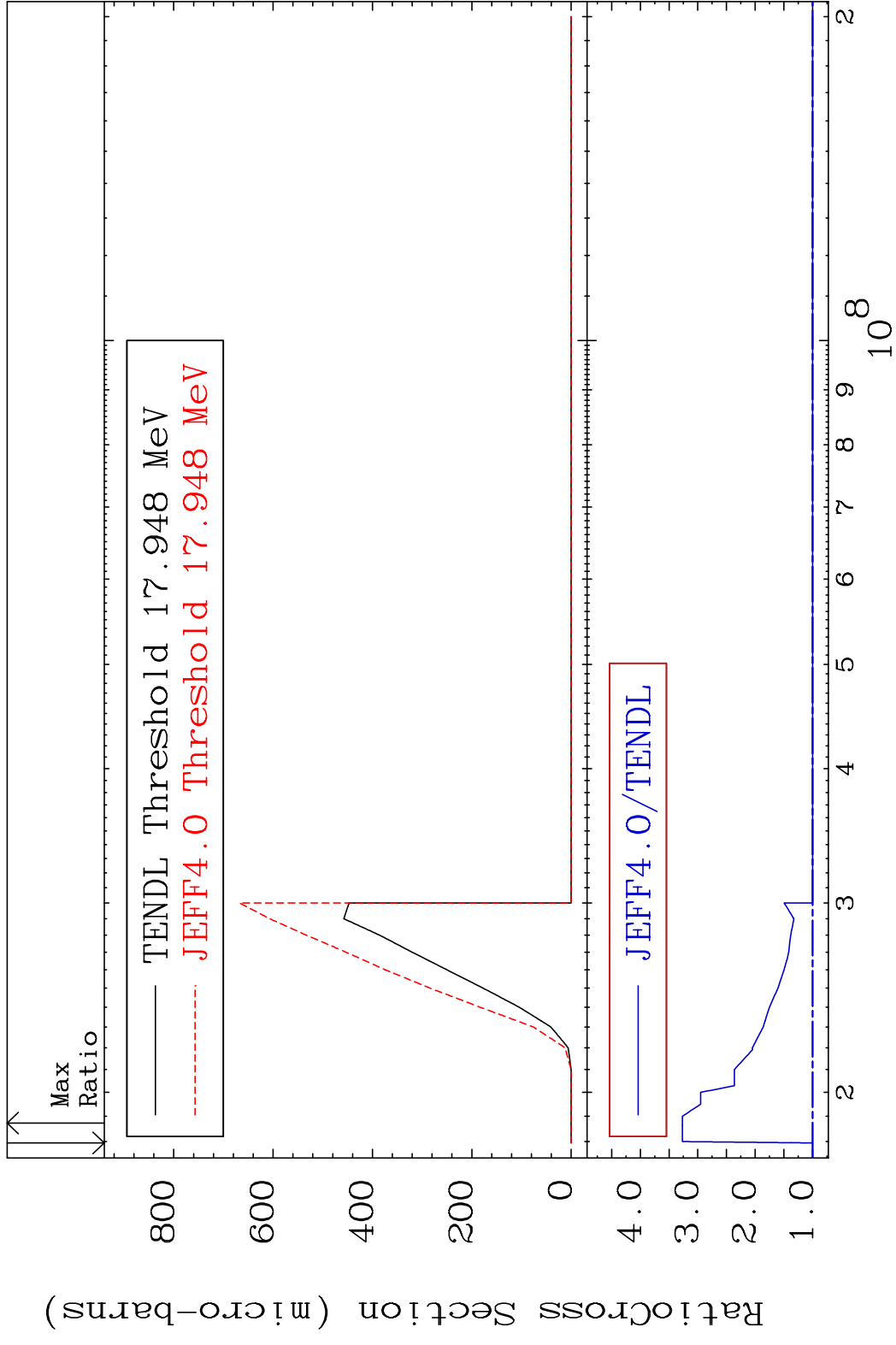
MAT 2034 Dpa disappearance (mt102 -120) 20-Ca-43  
Cross Section -100.0 To 9999. %



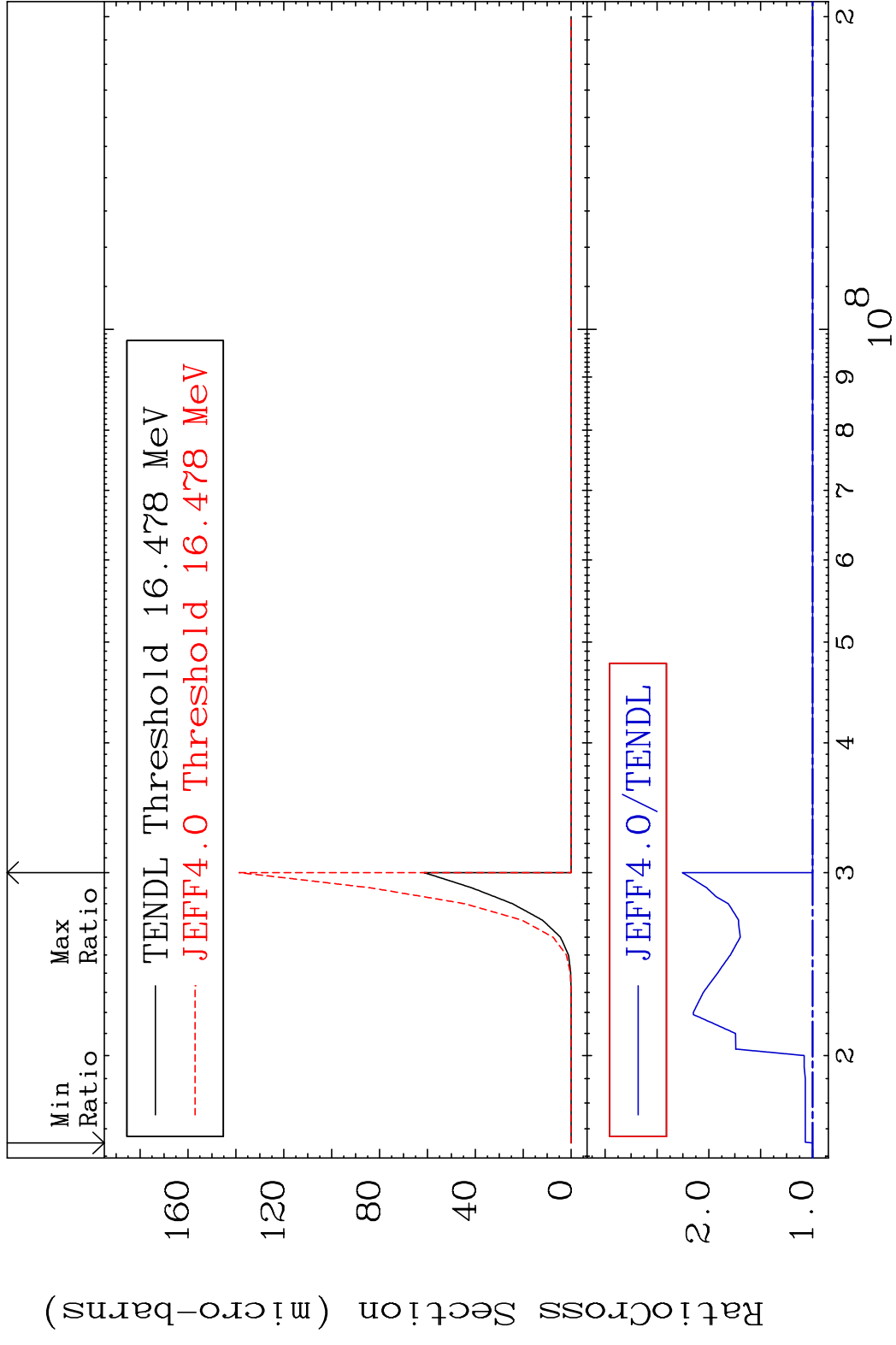
MAT 2034 (n,p) d 20-Ca-43  
 Cross Section 0.000 To 147.3 %



MAT 2034 (n,p) t 20-Ca-43  
 Cross Section 0.000 To 226.8 %



MAT 2034 (n,d)  $\alpha$  20-Ca-43  
 Cross Section 0.000 To 125.6 %



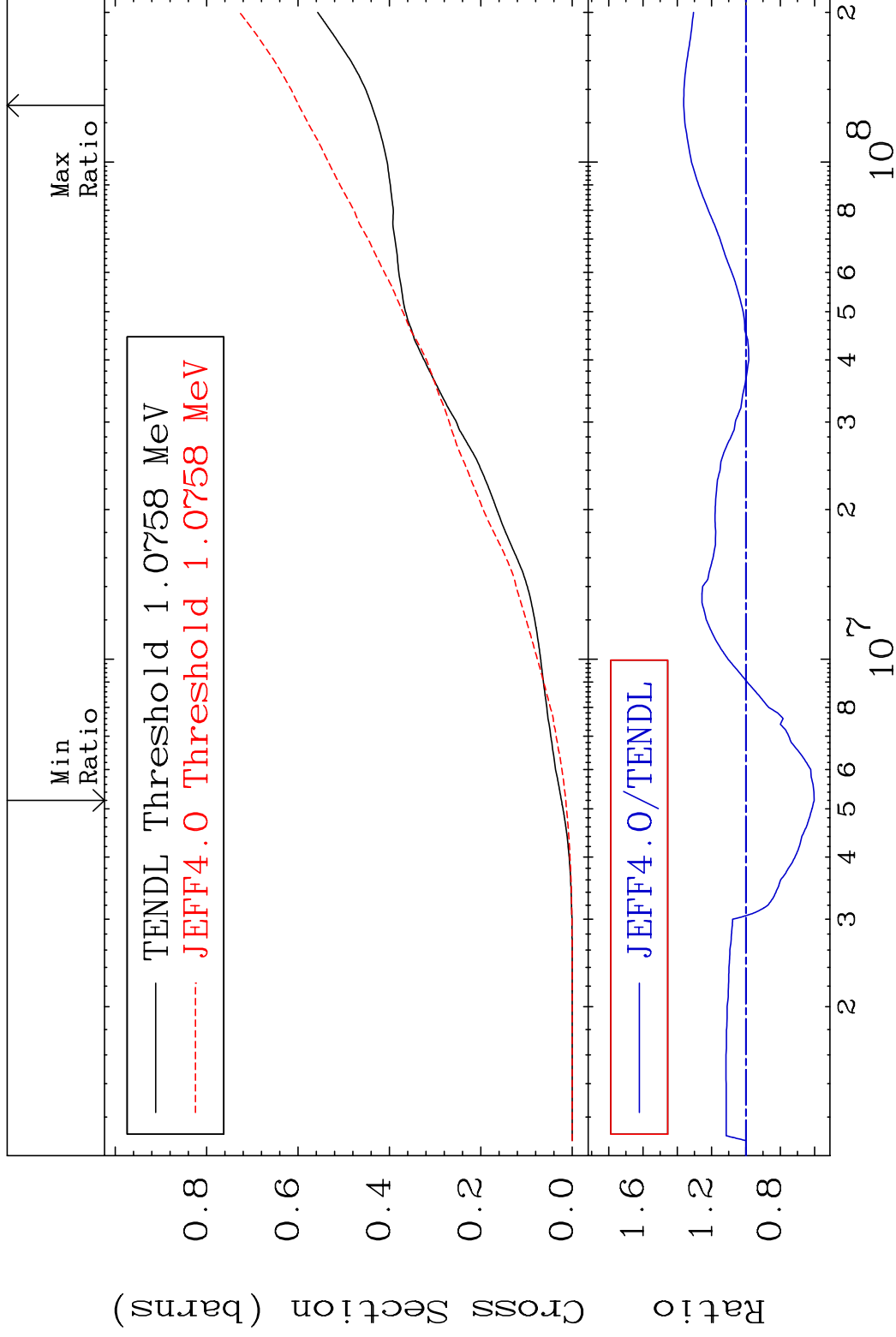
62 Incident Energy (eV) 20-Ca-43

MAT 2034

Hydrogen Production

20-Ca-43

Cross Section -39.77 To 36.34 %

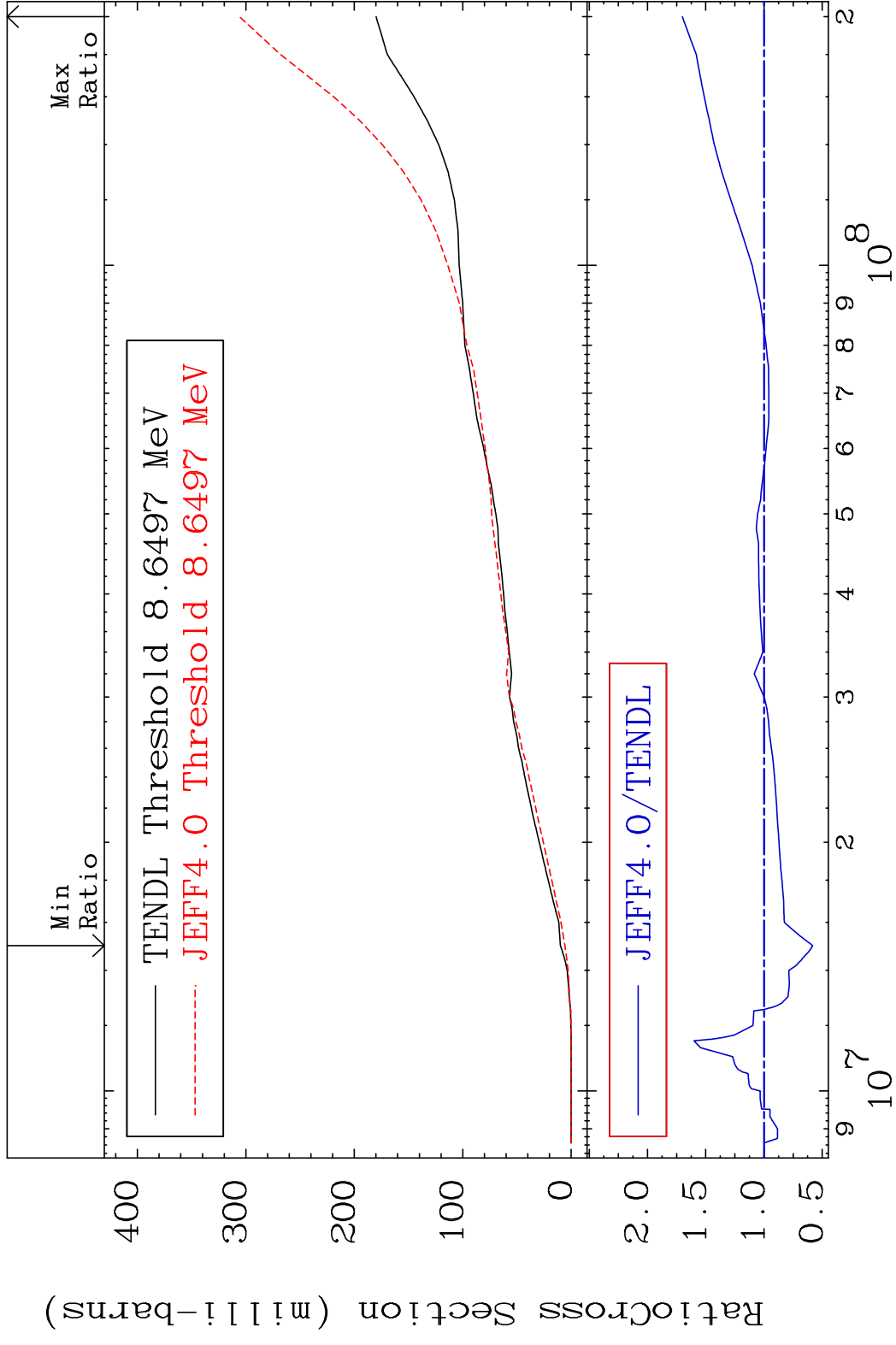


63

Incident Energy (eV)

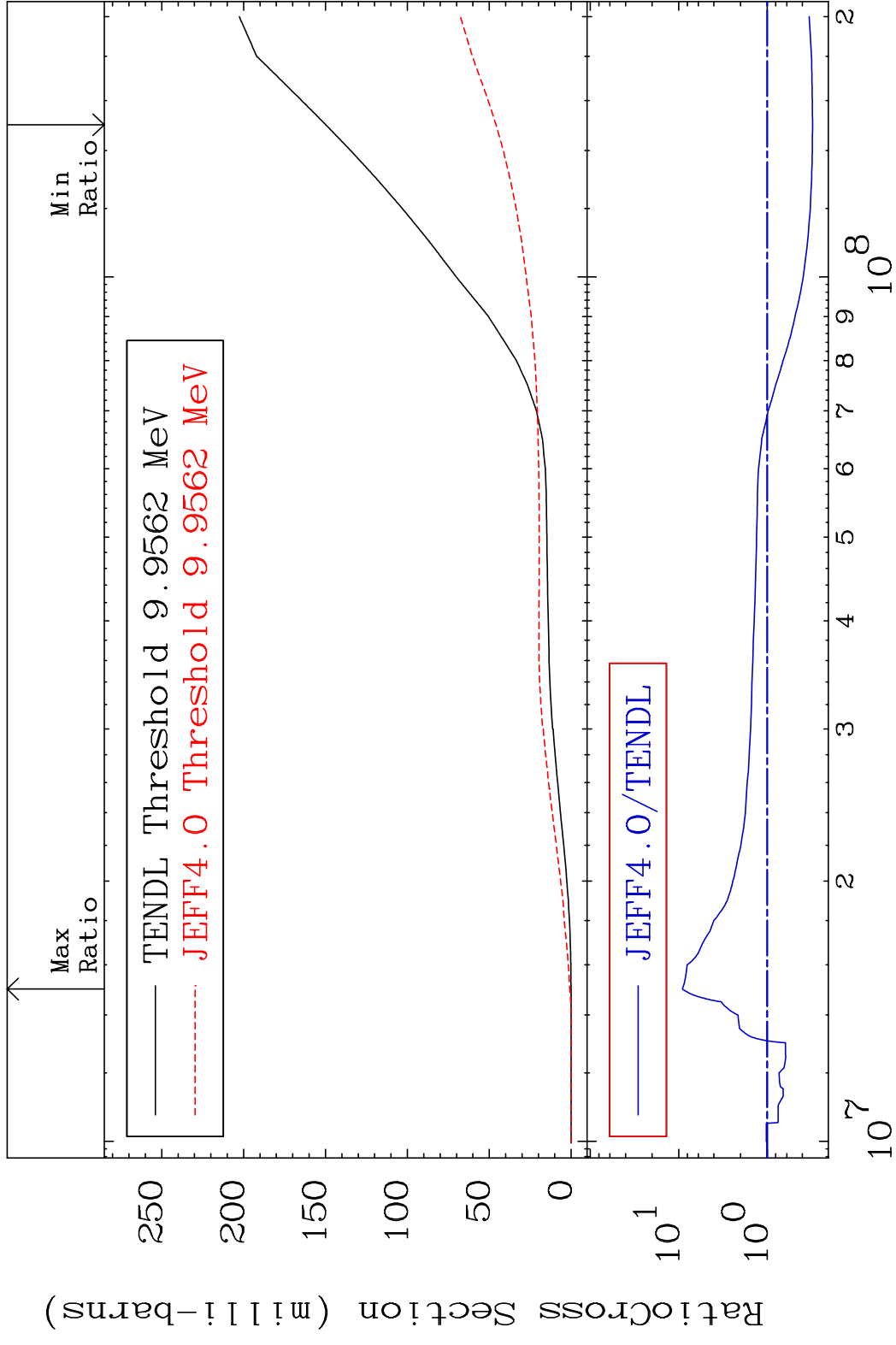
20-Ca-43

MAT 2034 Deuterium Production 20-Ca-43  
 Cross Section -41.68 To 70.08 %



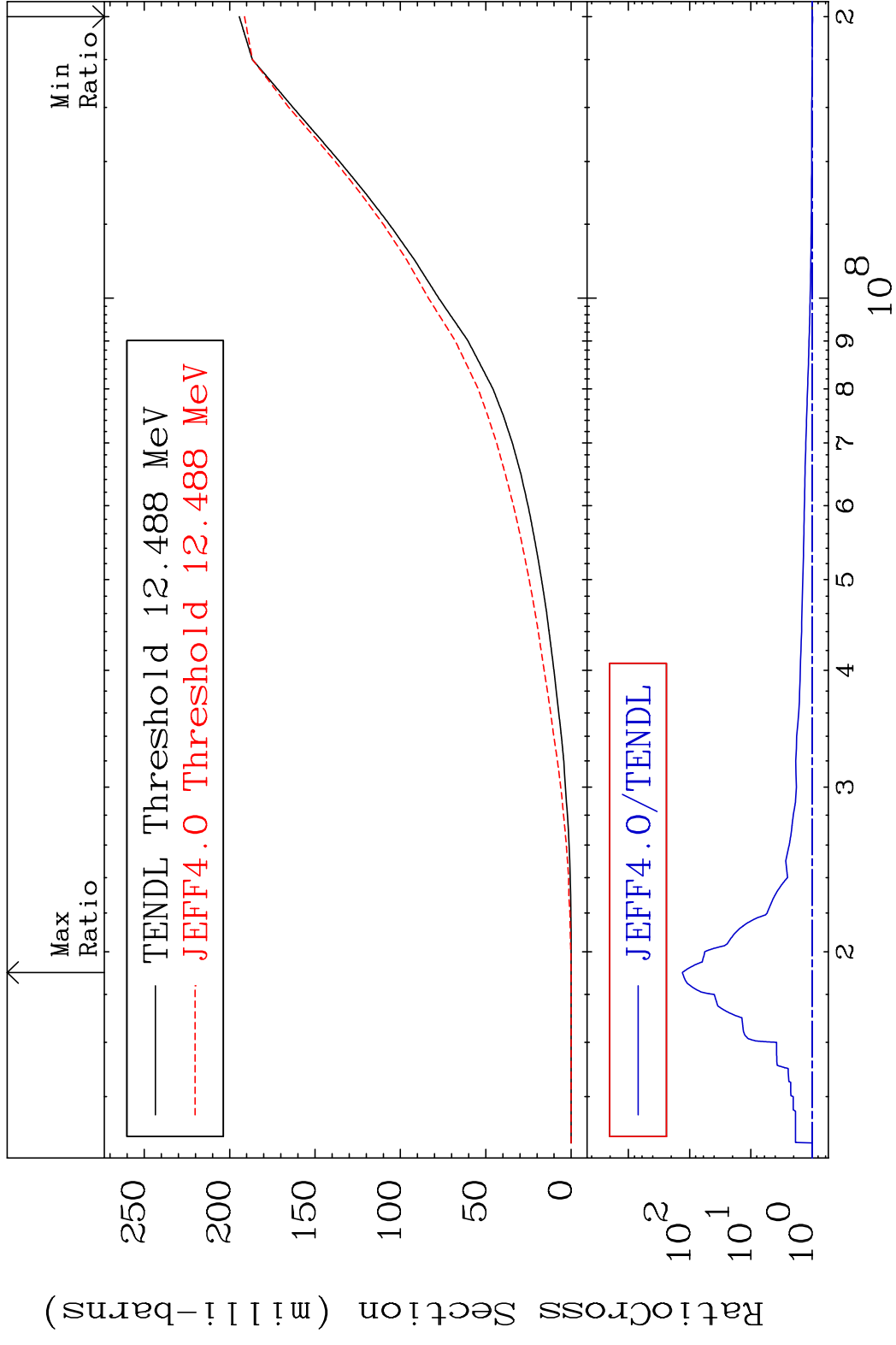
64 Incident Energy (eV) 20-Ca-43

MAT 2034 Tritium Production 20-Ca-43  
 Cross Section -69.37 To 810.1 %



65 Incident Energy (eV) 20-Ca-43

Cross Section -1.585 To 9999. %

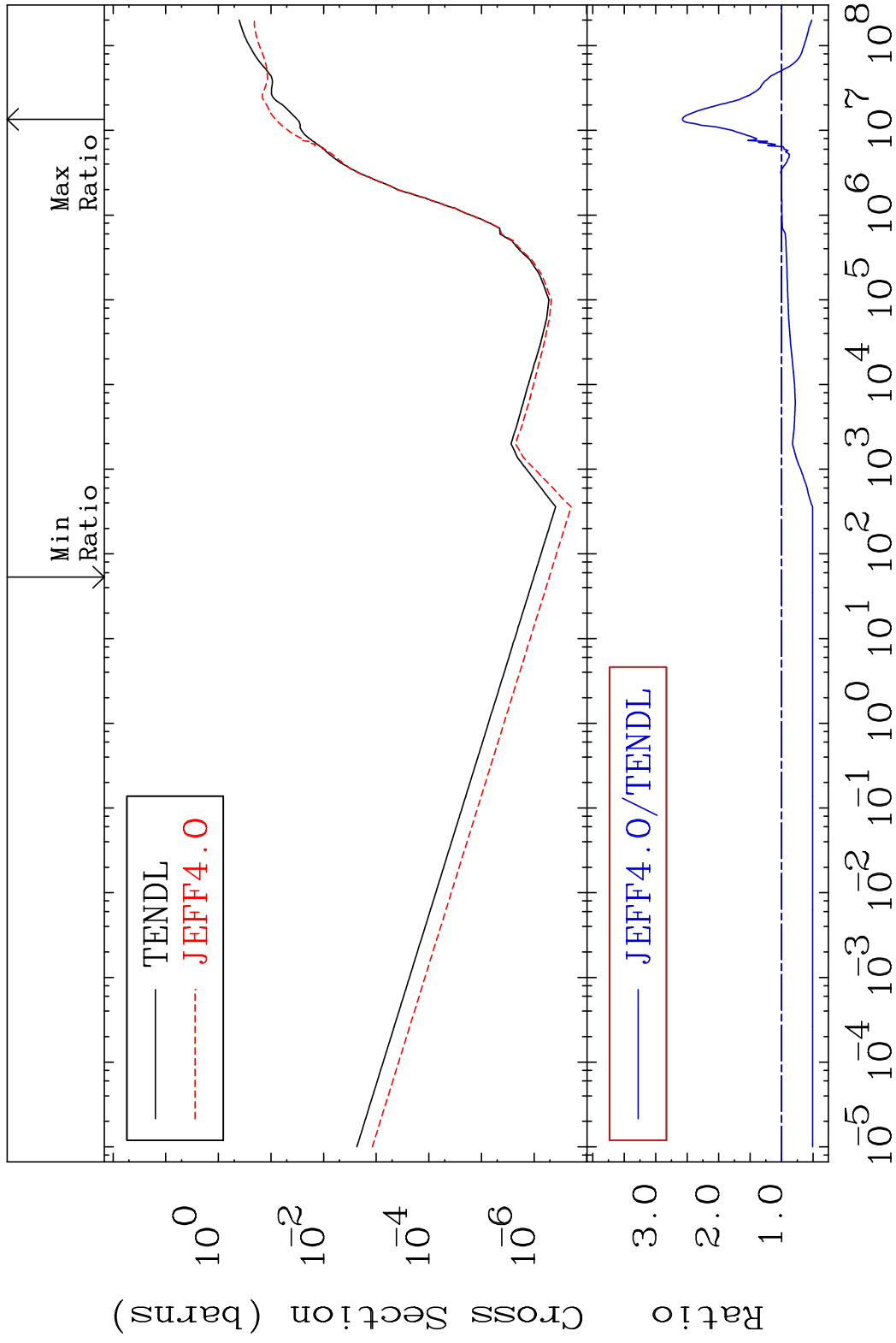


MAT 2034

He-4 Production

20-Ca-43

Cross Section -49.23 To 157.7 %

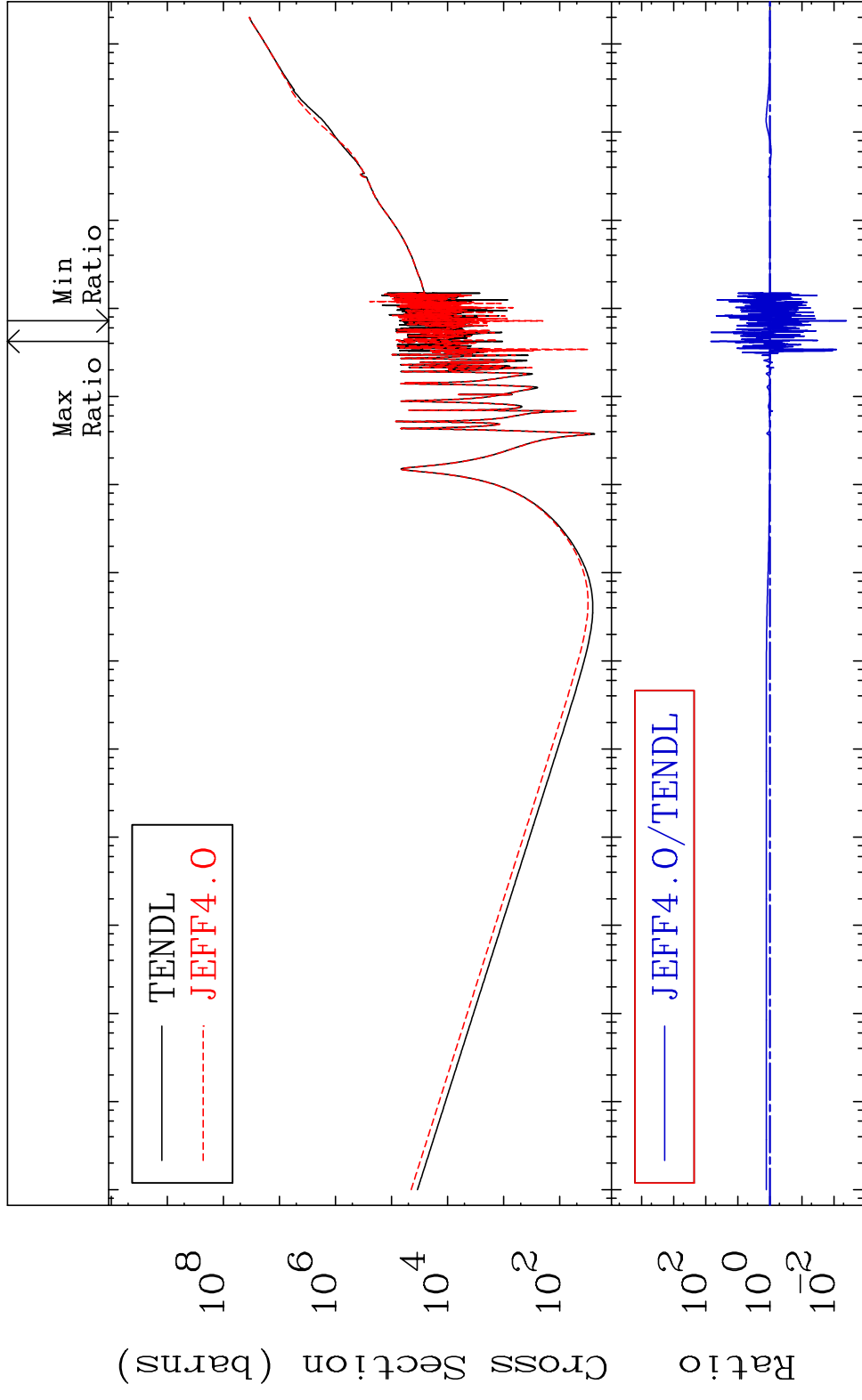


67

Incident Energy (eV)

20-Ca-43

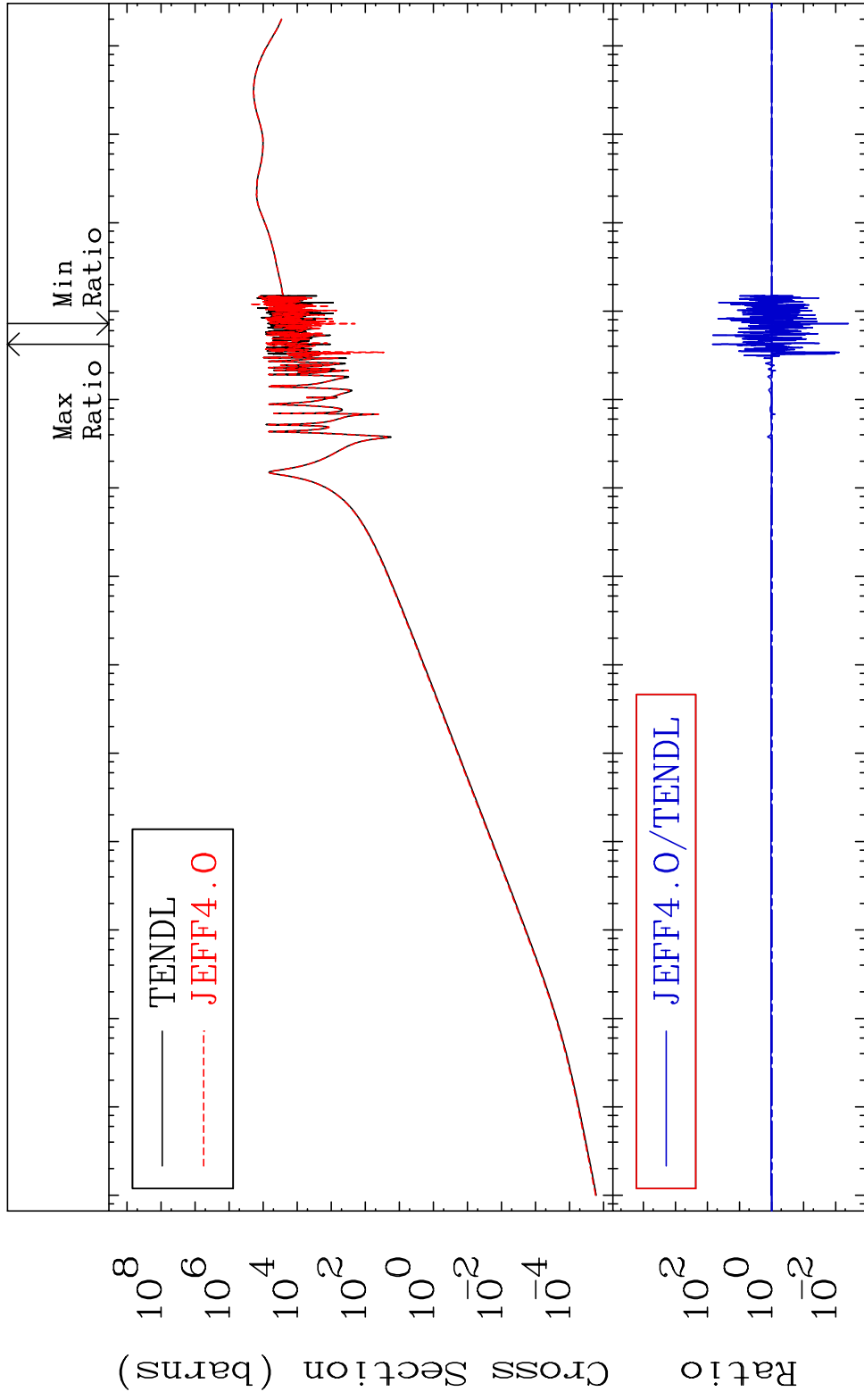
MAT 2034 Kerma total (eV-barns) 20-Ca-43  
 Cross Section -99.59 To 6925. %



MAT 2034

Kerma elastic  
Cross Section

20-Ca-43  
-99.60 To 6941. %

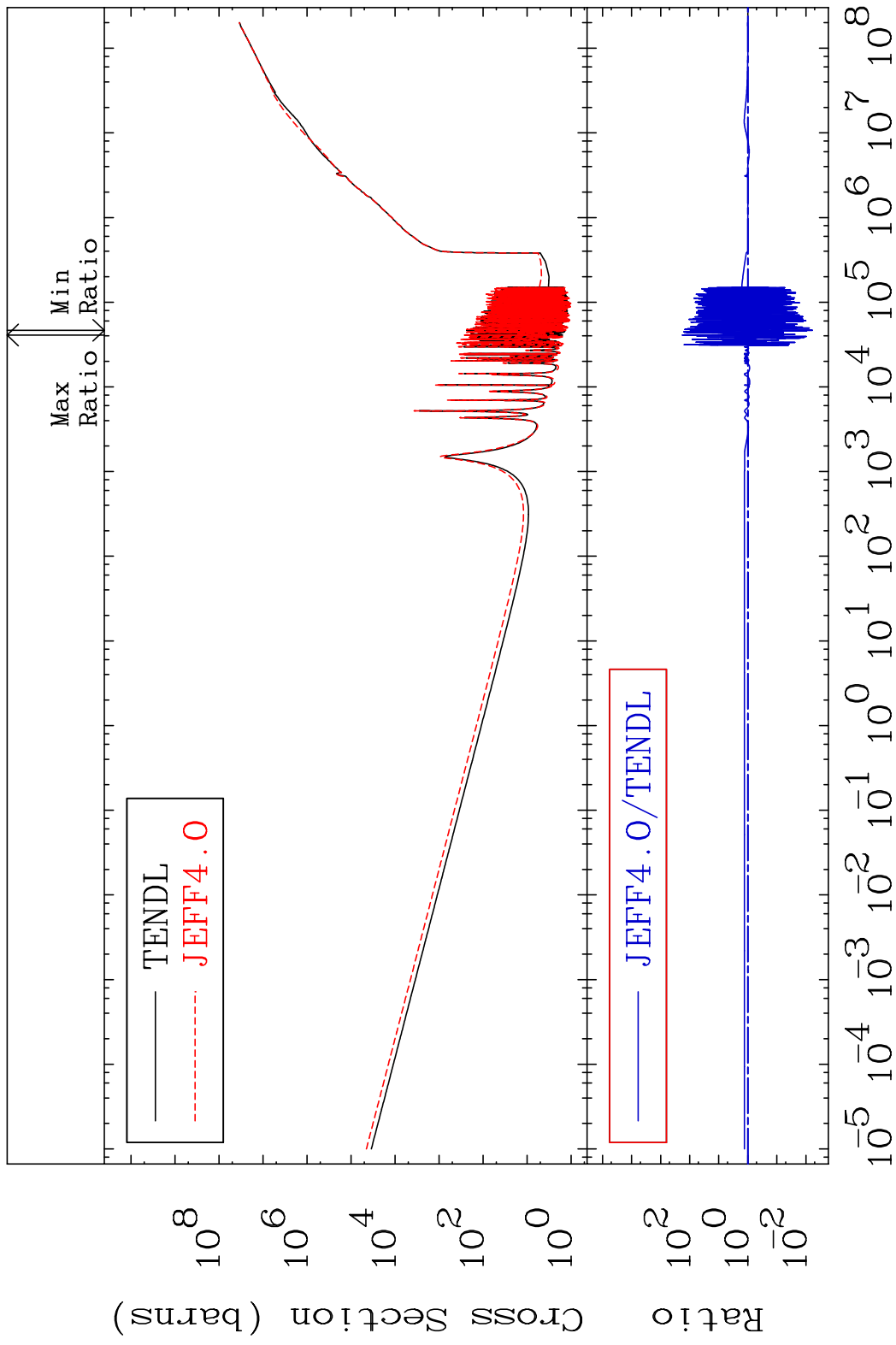


69

Incident Energy (eV)

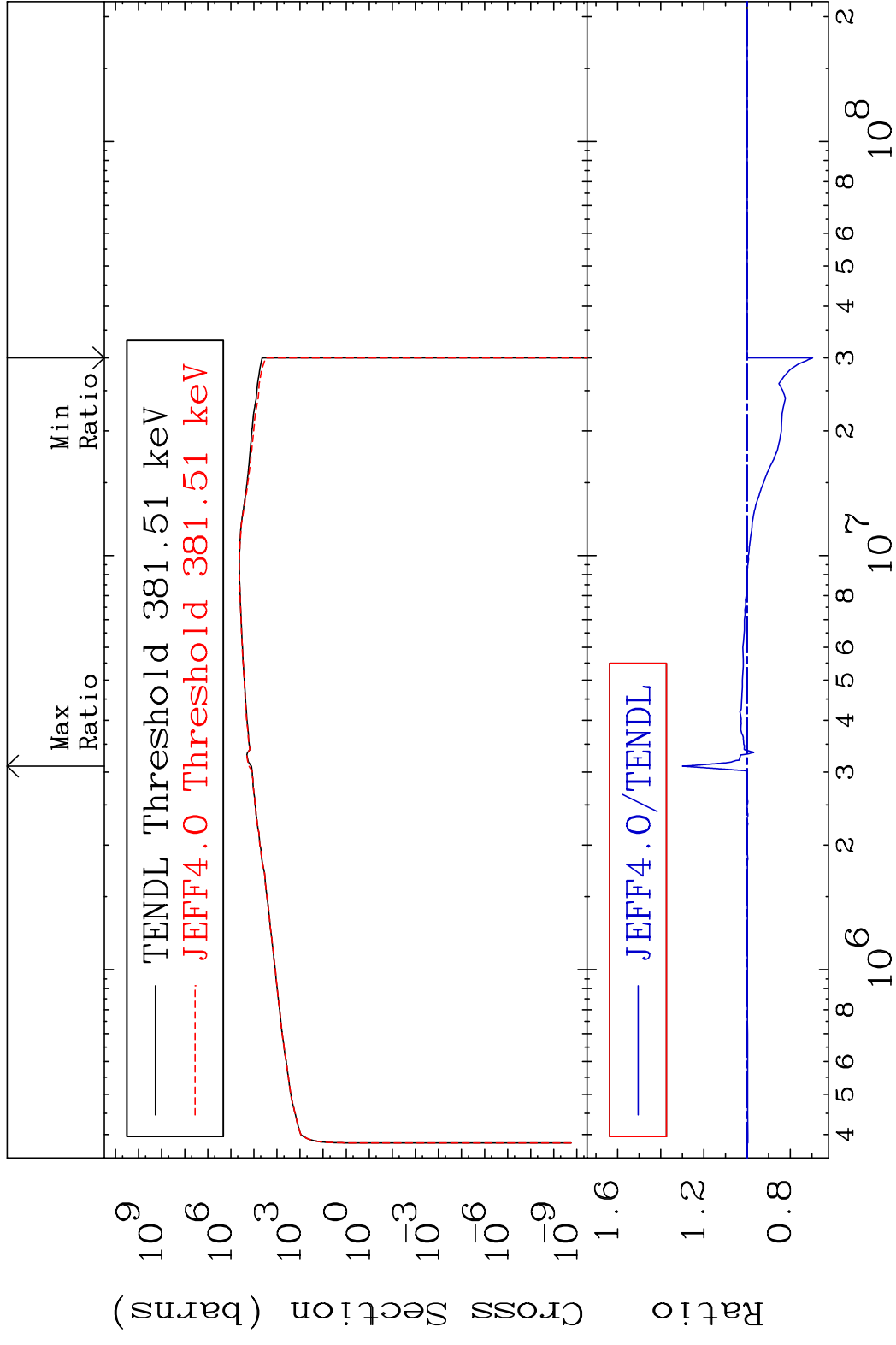
20-Ca-43

MAT 2034 Kerma non-elastic (all but mt2) 20-Ca-43  
 Cross Section -99.41 To 9999. %

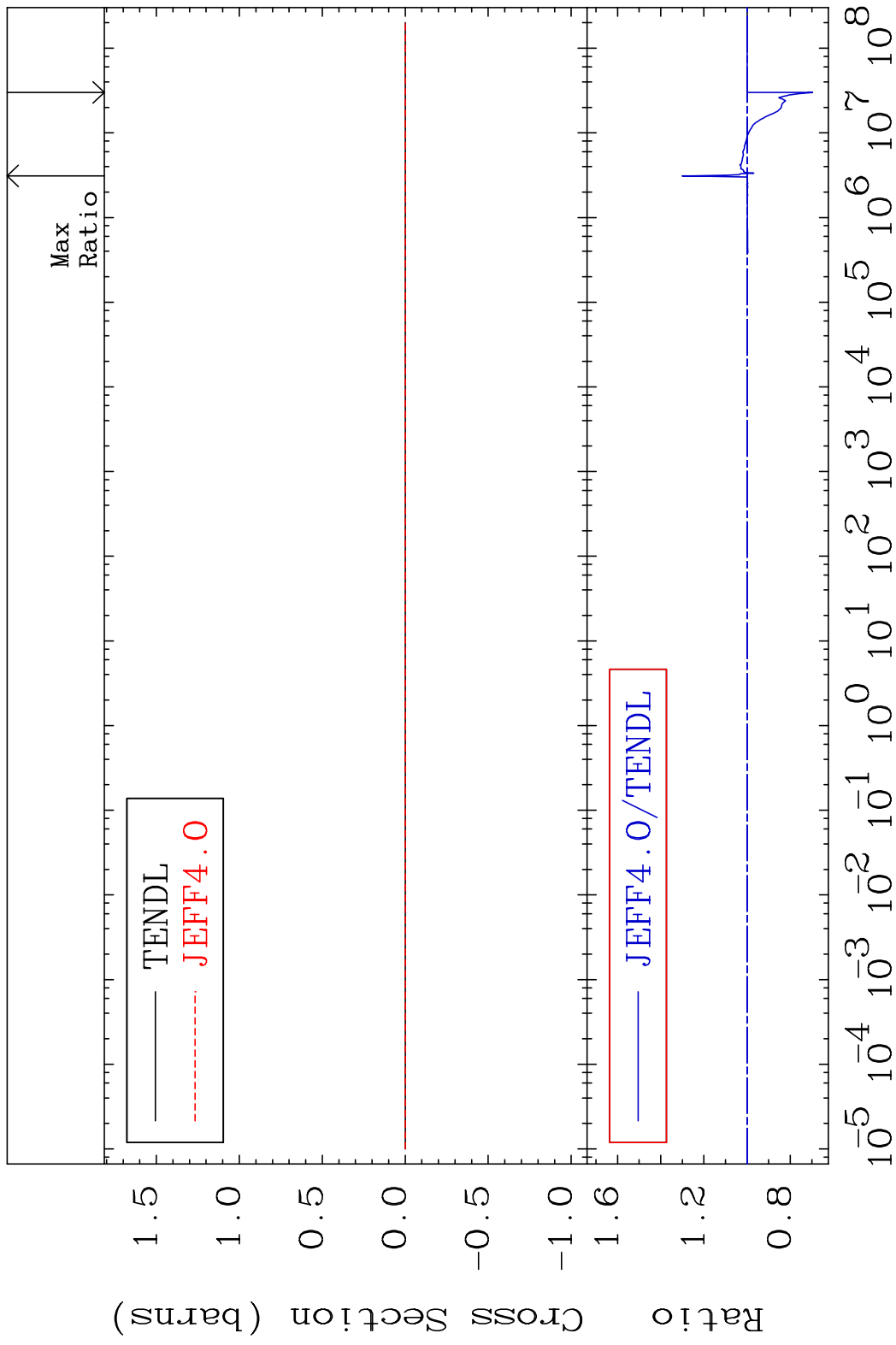


70 20-Ca-43

MAT 2034 Kerma inelastic (mt51-91) 20-Ca-43  
 Cross Section -30.32 To 29.98 %



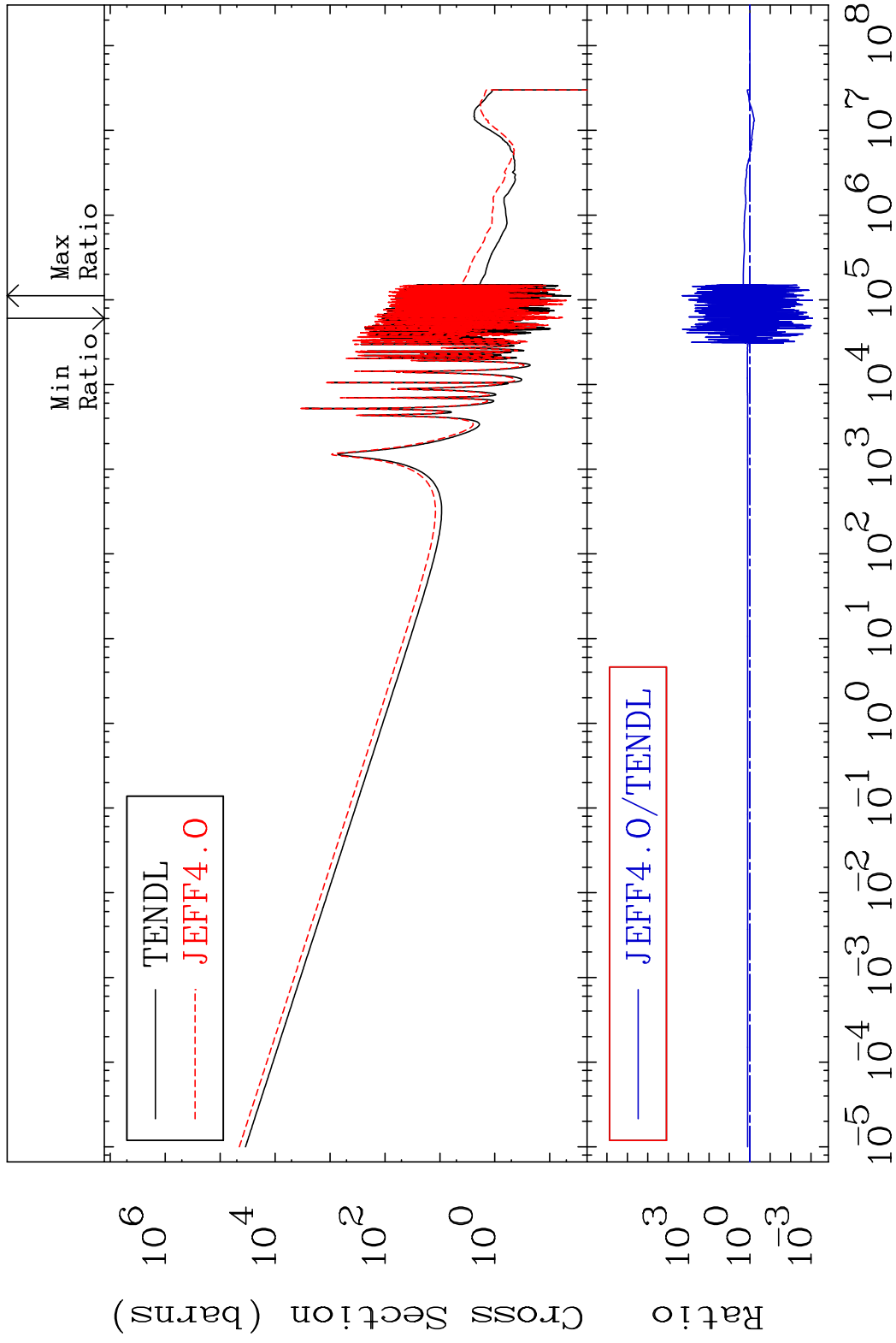
MAT 2034 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-43  
 Cross Section -30.32 To 29.98 %



MAT 2034

Kerma capture (mt102) 20-Ca-43

Cross Section -99.92 To 9999. %

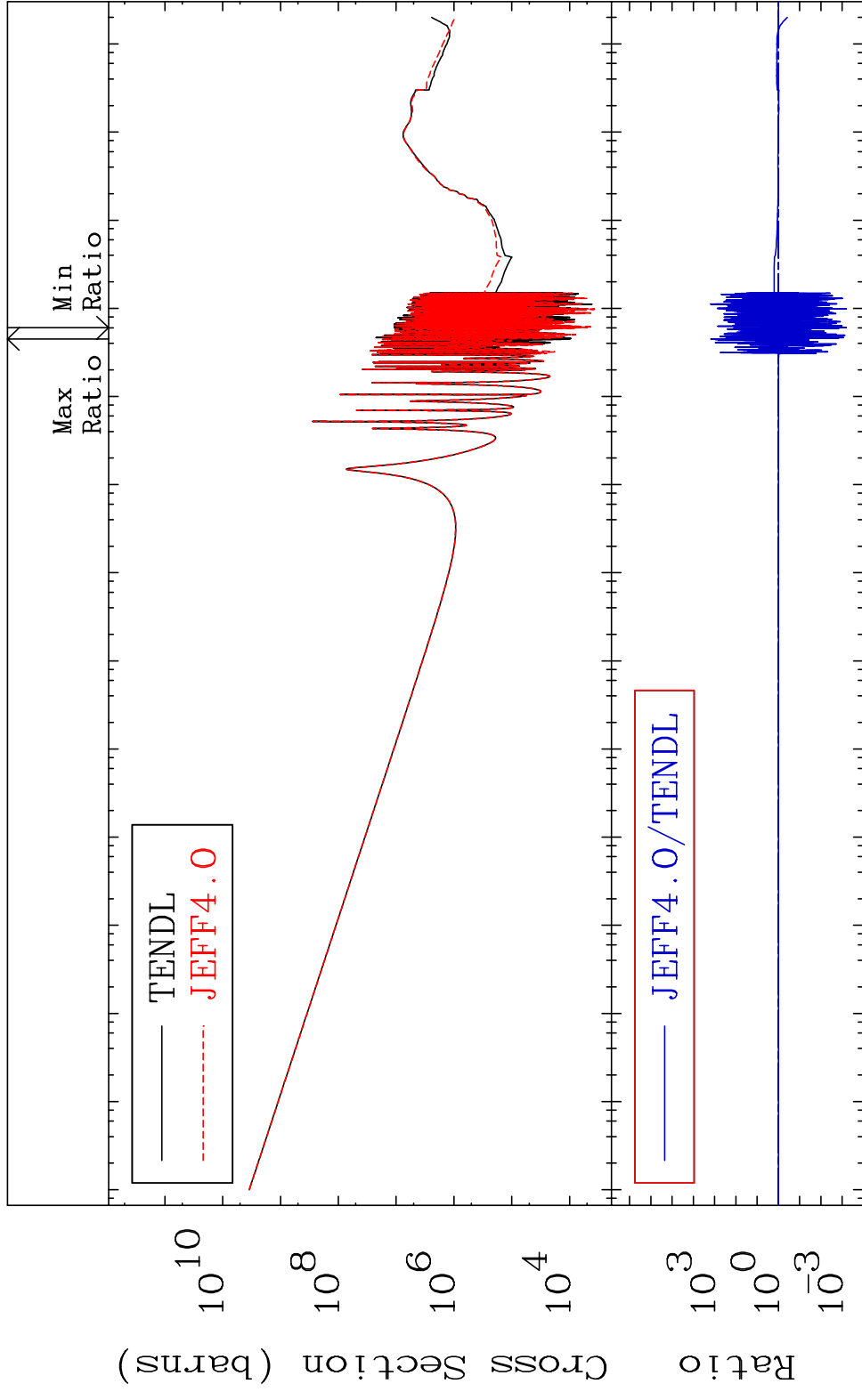


73

Incident Energy (eV)

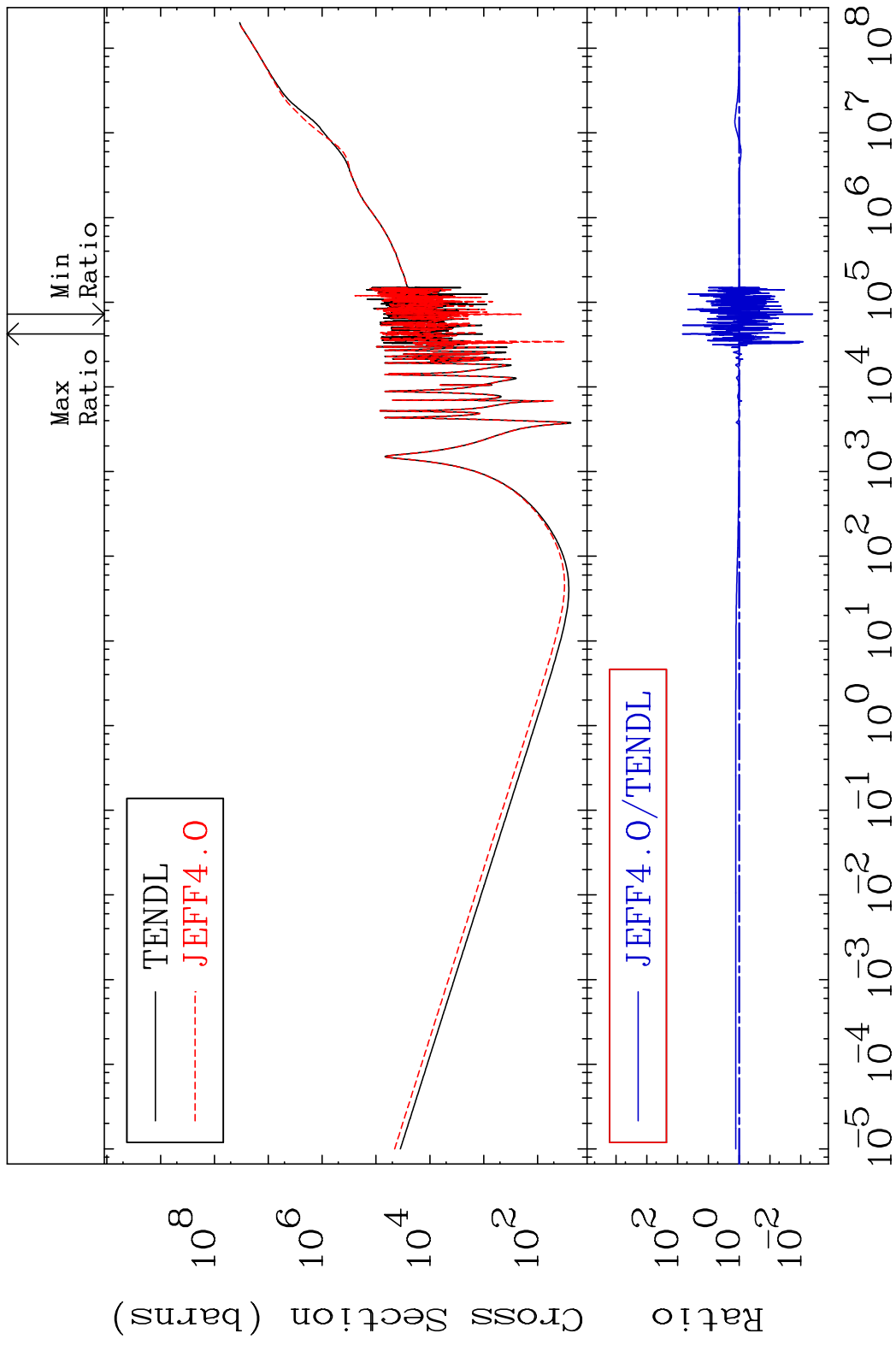
20-Ca-43

MAT 2034 Total photon (eV-barns) 20-Ca-43  
 Cross Section -99.94 To 9999. %



74 Incident Energy (eV) 20-Ca-43

MAT 2034 Total kinematic kerma (high limit) 20-Ca-43  
Cross Section -99.59 To 6925. %



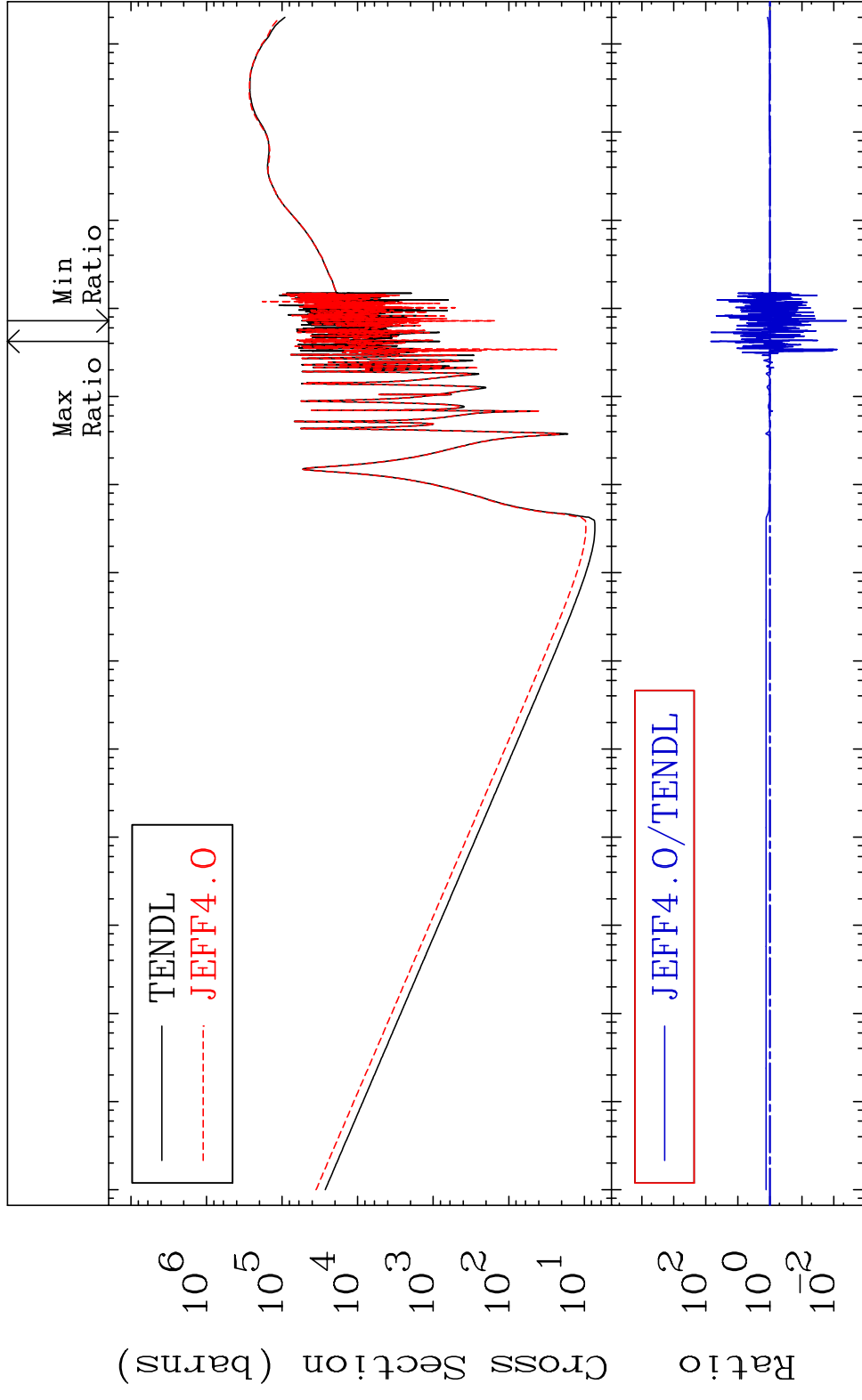
75 Incident Energy (eV) 20-Ca-43

MAT 2034

Dpa total (eV-barns)

20-Ca-43

Cross Section -99.59 To 6933. %



76

Incident Energy (eV)

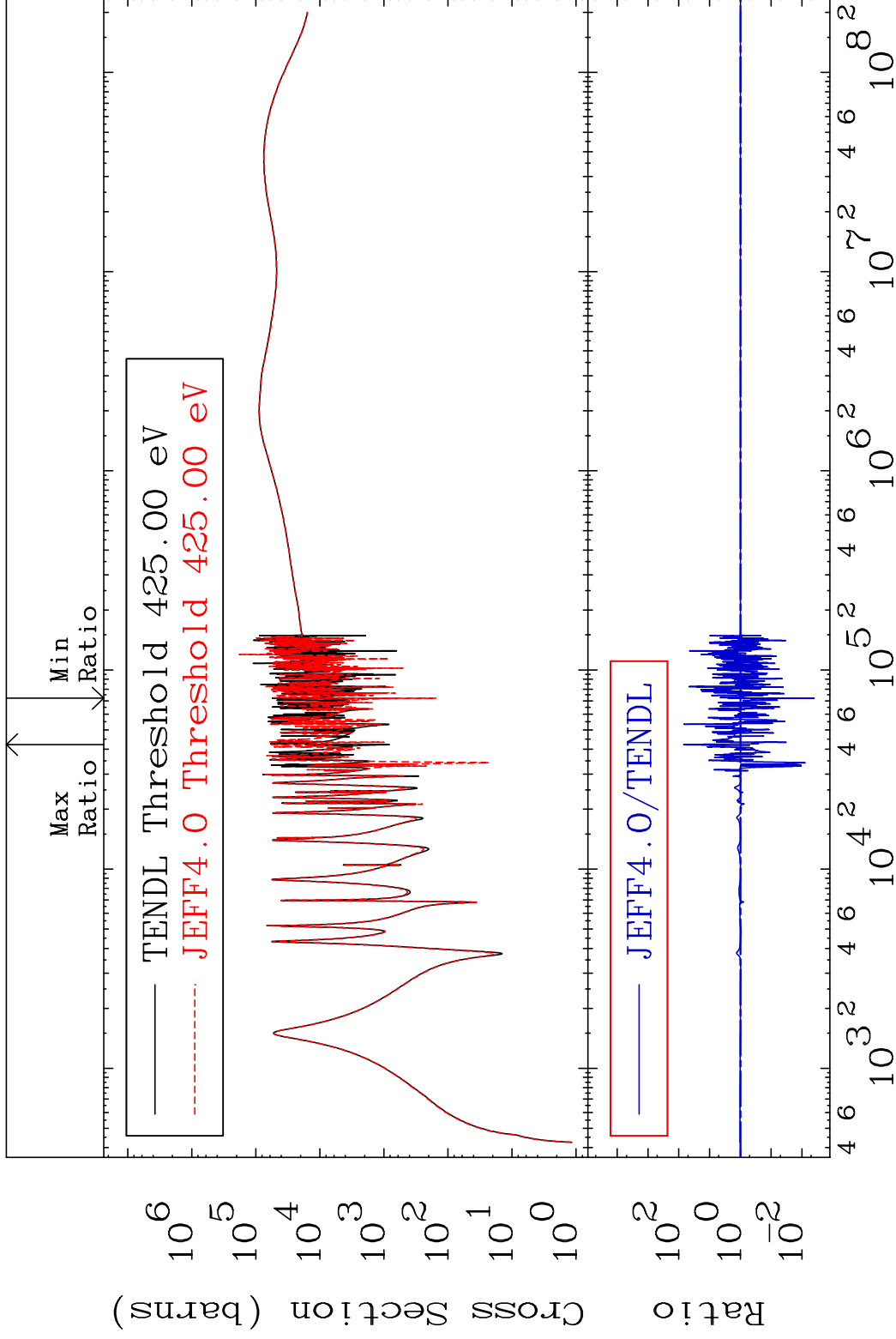
20-Ca-43

MAT 2034

Dpa elastic (mt2)

20-Ca-43

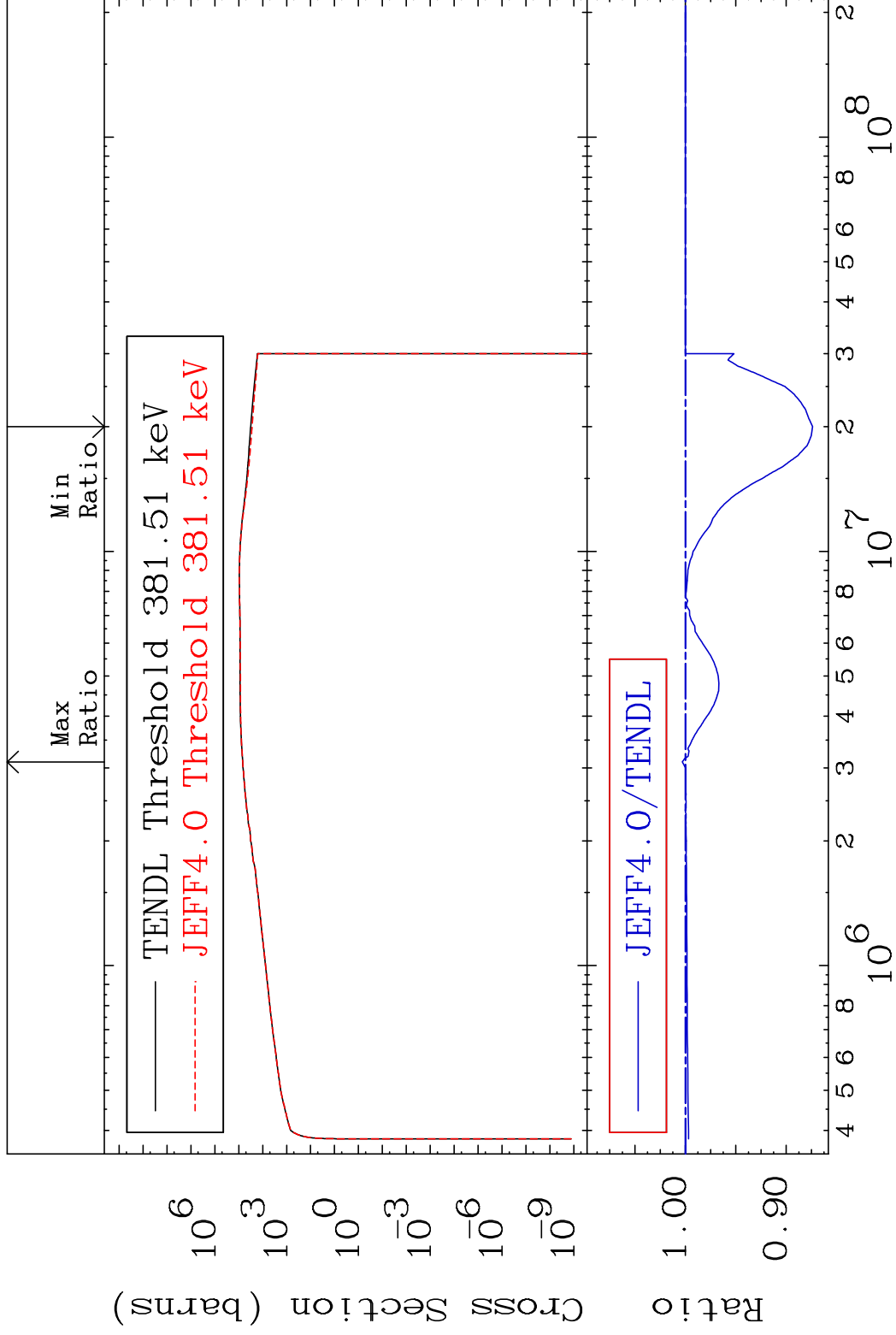
Cross Section -99.60 To 6941. %



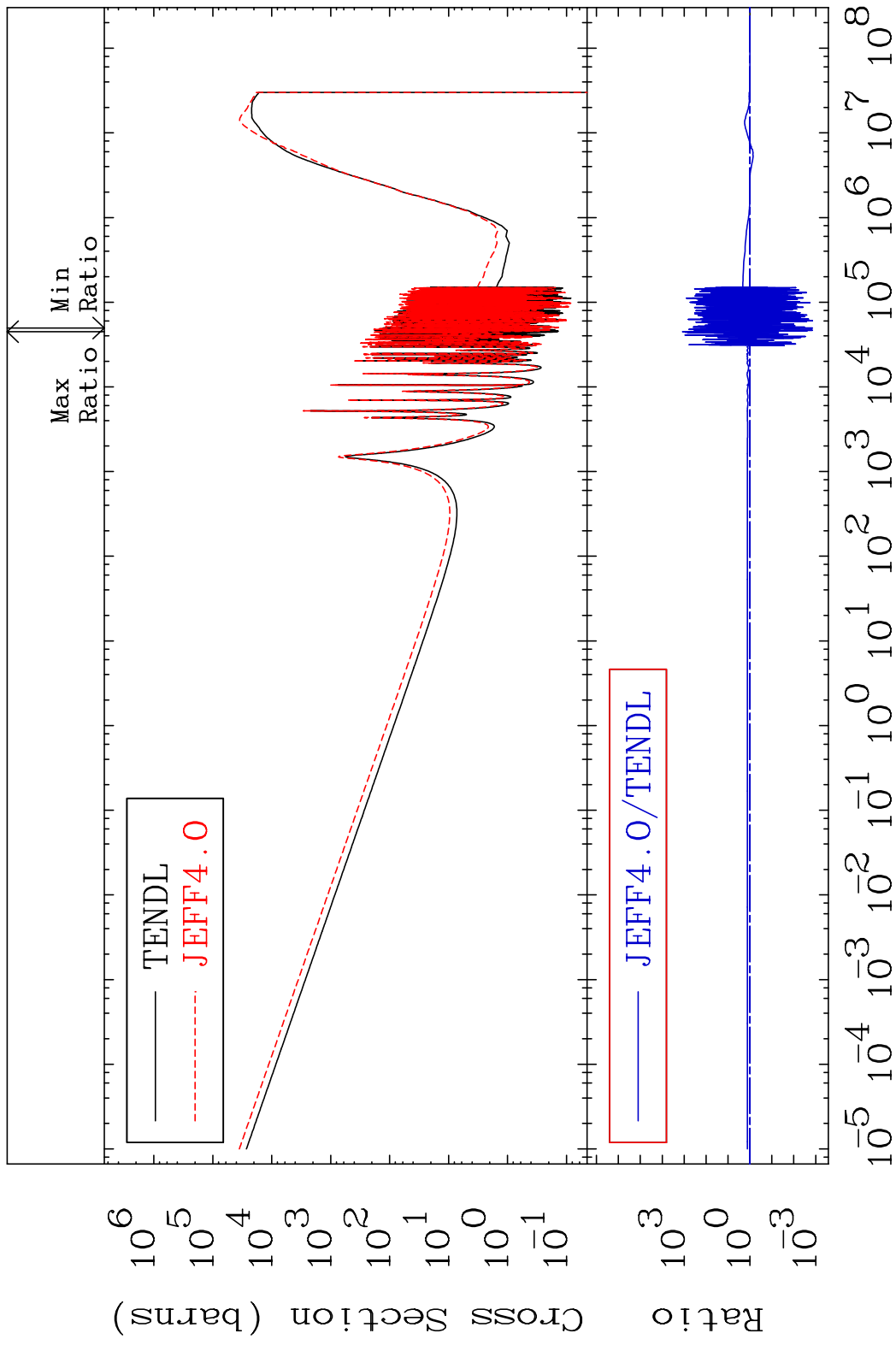
77

Incident Energy (eV)

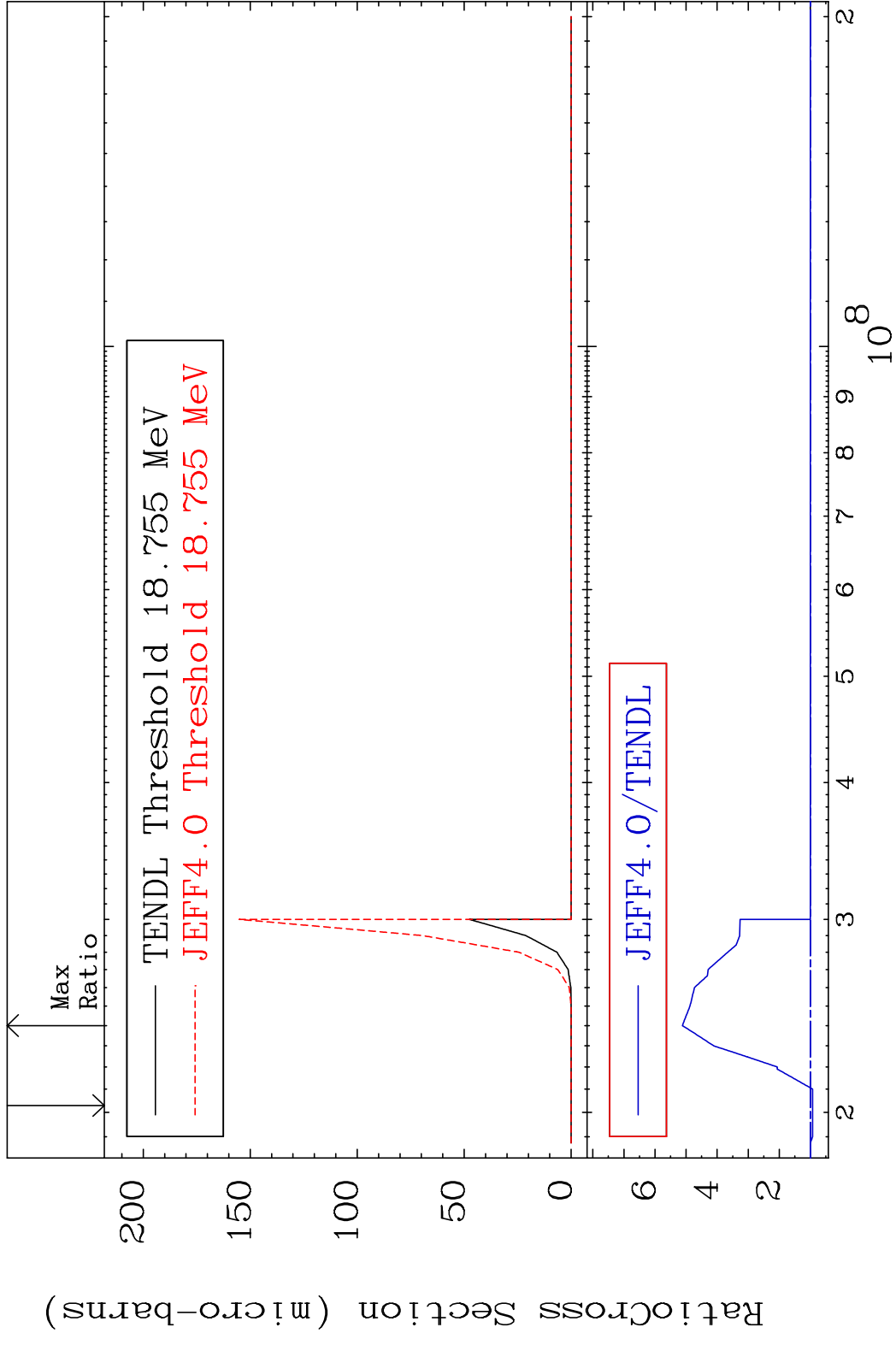
20-Ca-43



MAT 2034 Dpa disappearance (mt102 -120) 20-Ca-43  
 Cross Section -99.86 To 9999. %

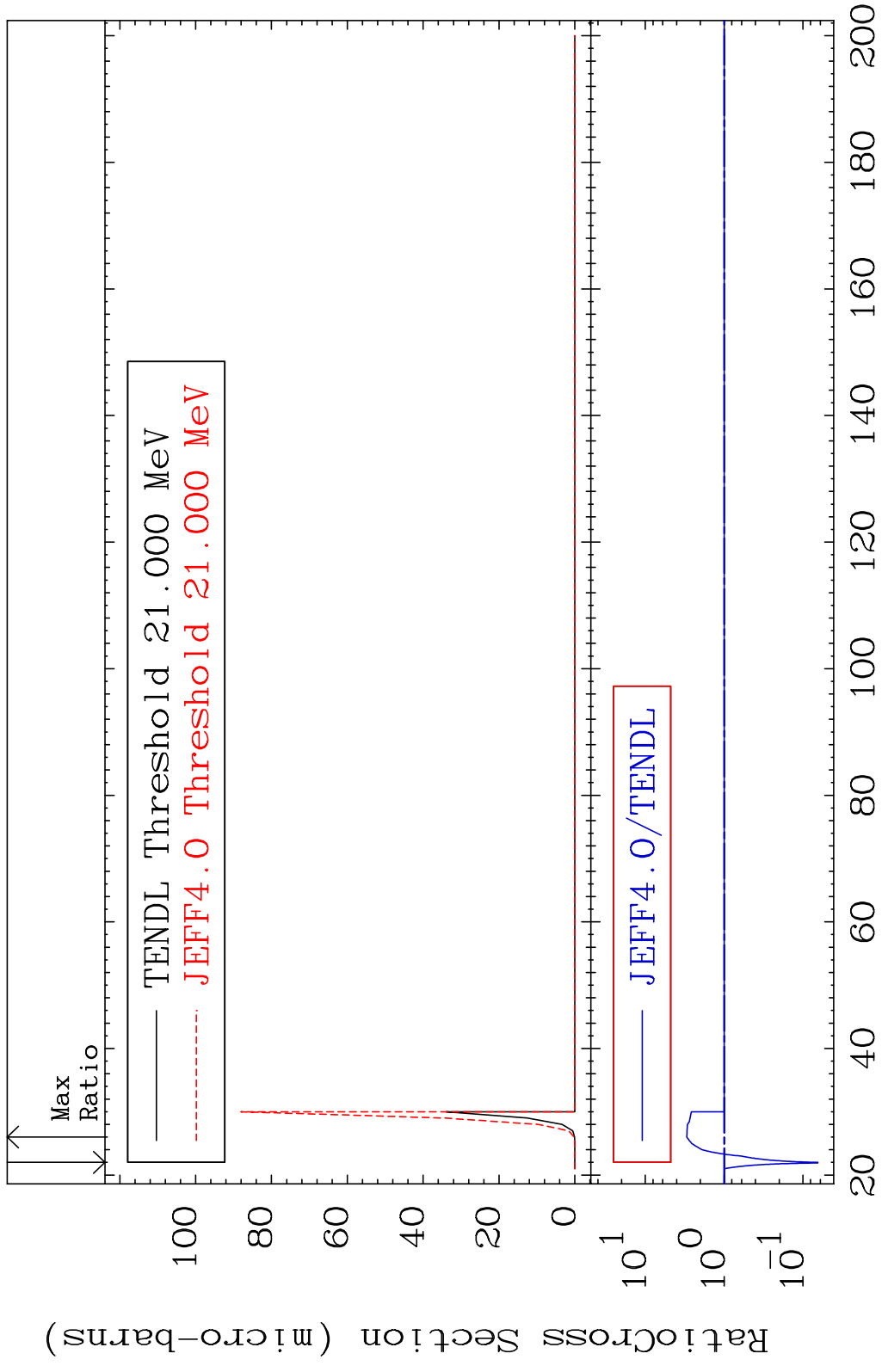


MAT 2034 (n, n') p  $\alpha$ : 17-C1-38g 20-Ca-43  
 Radionuclide Production Cross Section 411.9 %

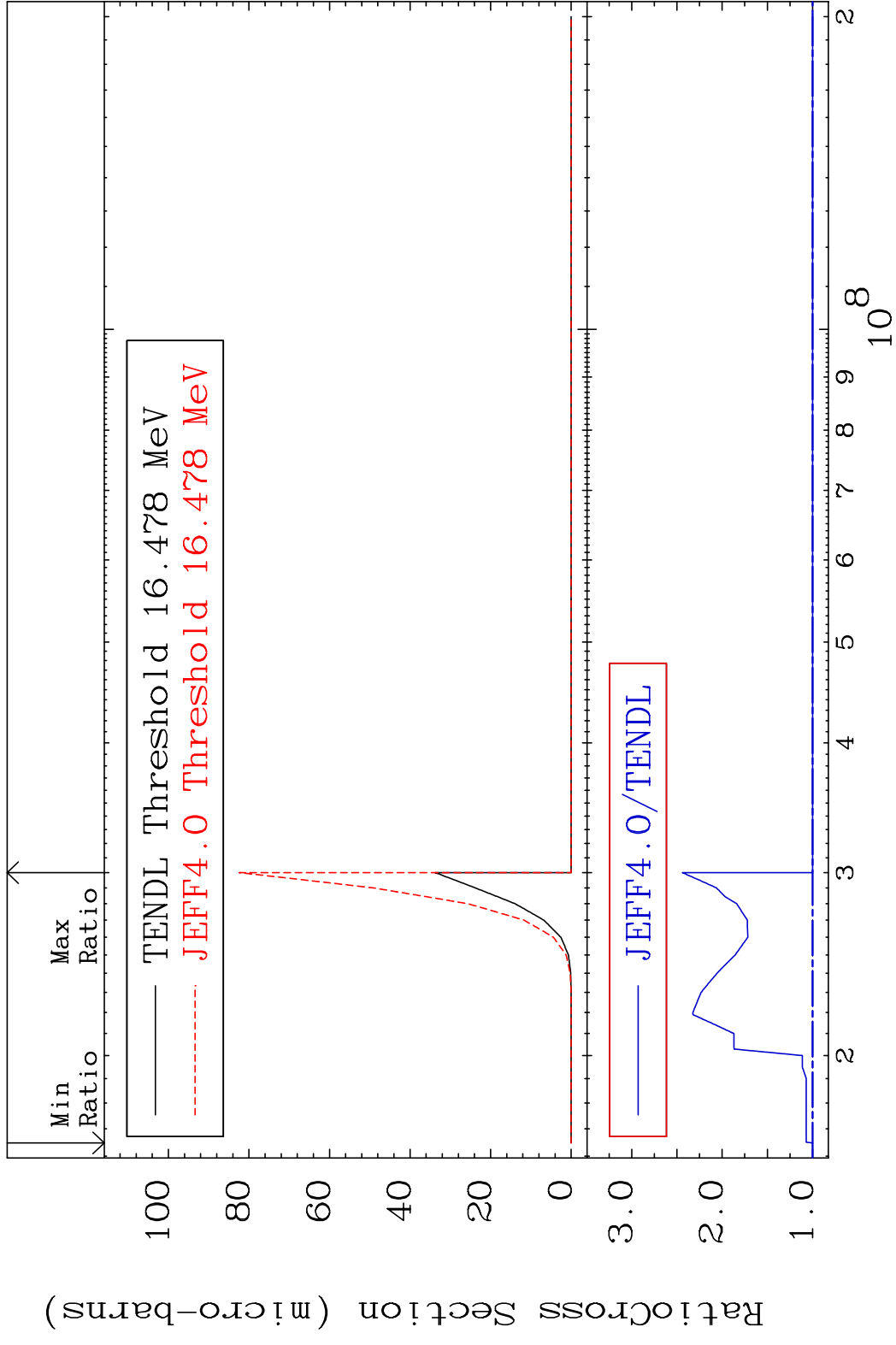


80 20-Ca-43

MAT 2034 (n, n') p  $\alpha$ : 17-C1-38m1 20-Ca-43  
 Radionuclide Production Cross Section 98.52 dth 198.0 %



MAT 2034 (n, d)  $\alpha$ :17-Cl-38g 20-Ca-43  
 Radionuclide Production Cross Section 144.0 %



MAT 2034 (n, d)  $\alpha$ :17-C1-38m1 20-Ca-43  
 Radionuclide Production Cross Section 103.0 %

