

Program Complot  
(Version 2021-1)

by

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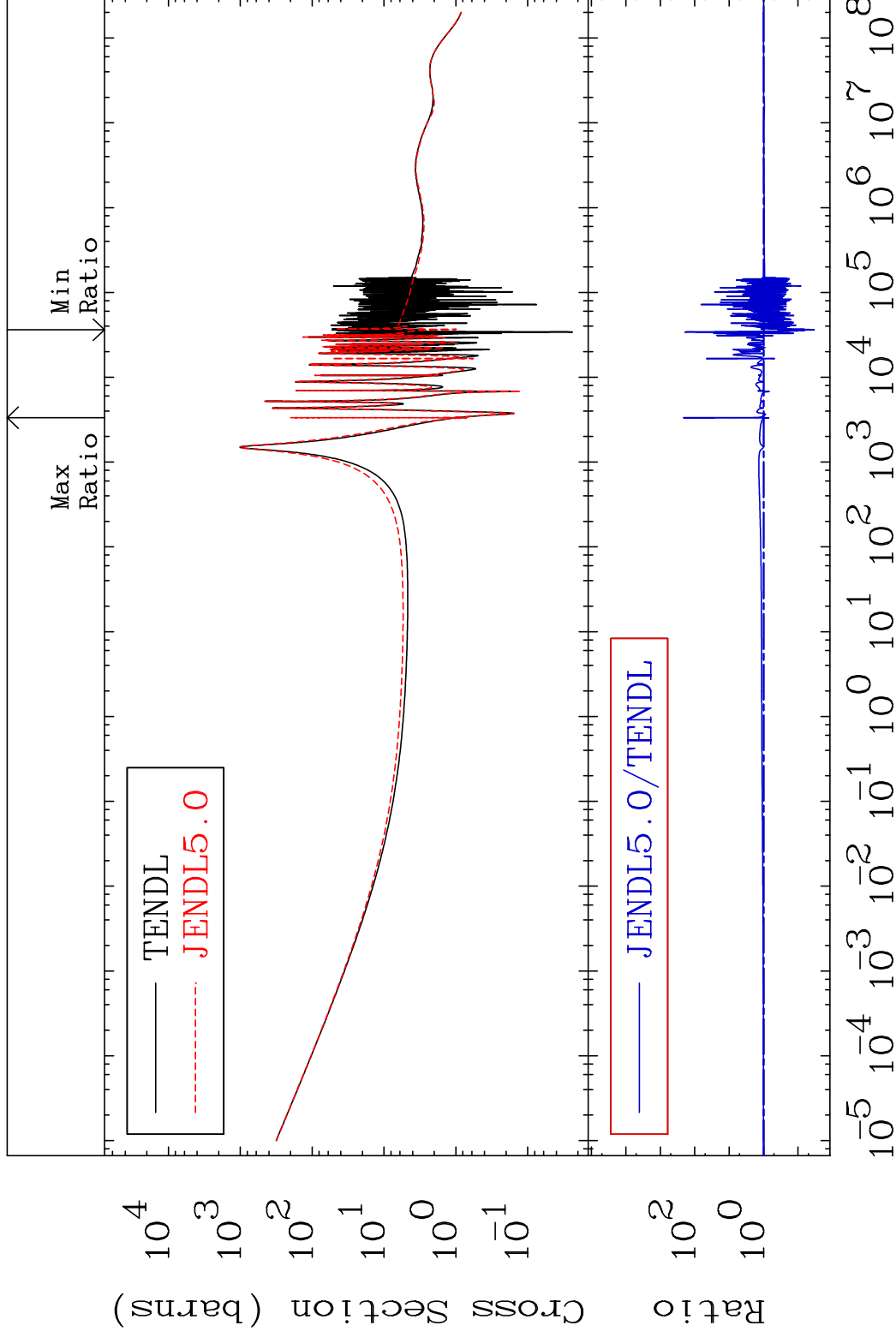
Press Mouse Button to Start

MAT 2034

Total

20-Ca-43

Cross Section -96.59 To 9999. %



1

Incident Energy (eV)

20-Ca-43

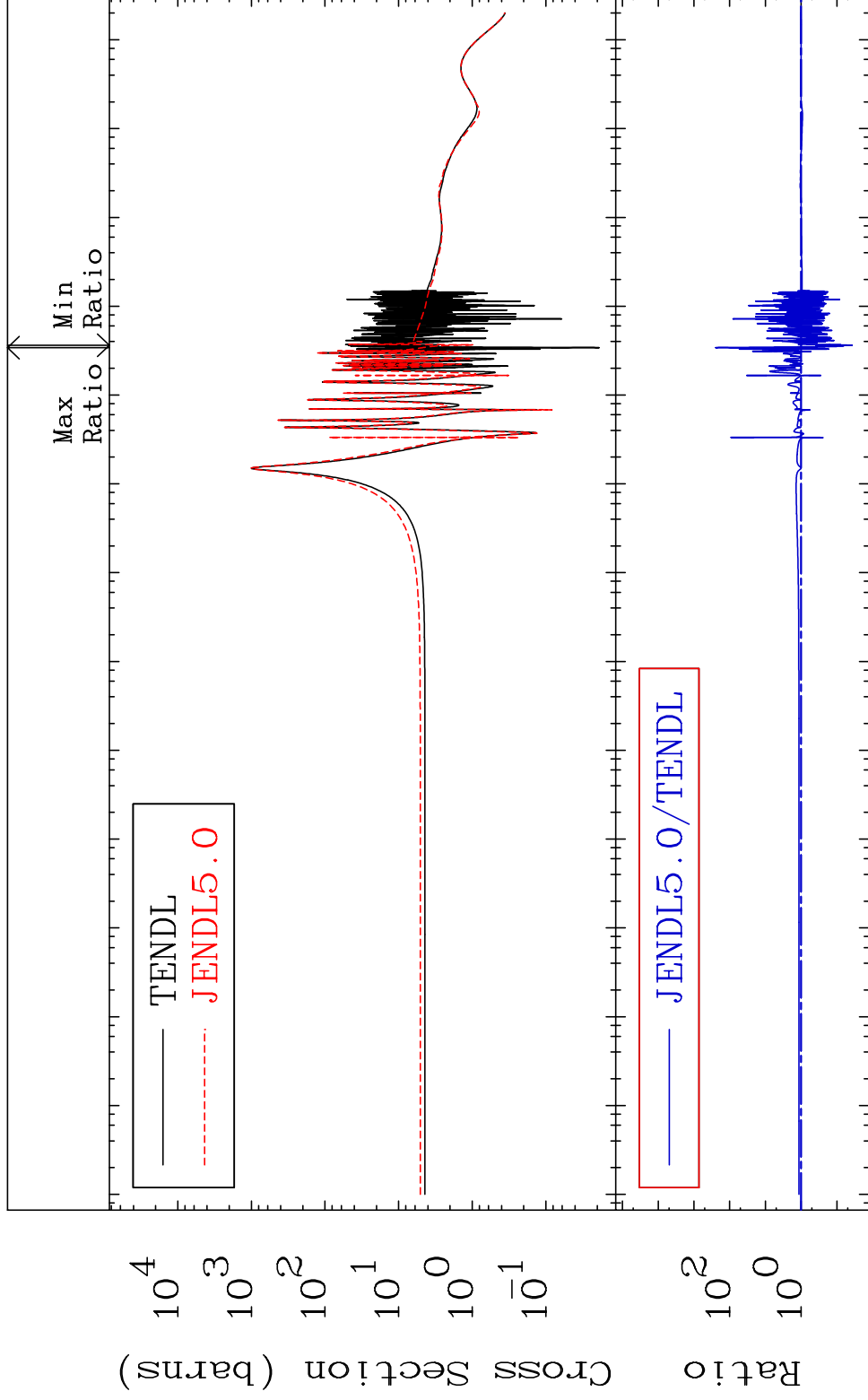
MAT 2034

Elastic

20-Ca-43

Cross Section

-96.28 To 9999. %

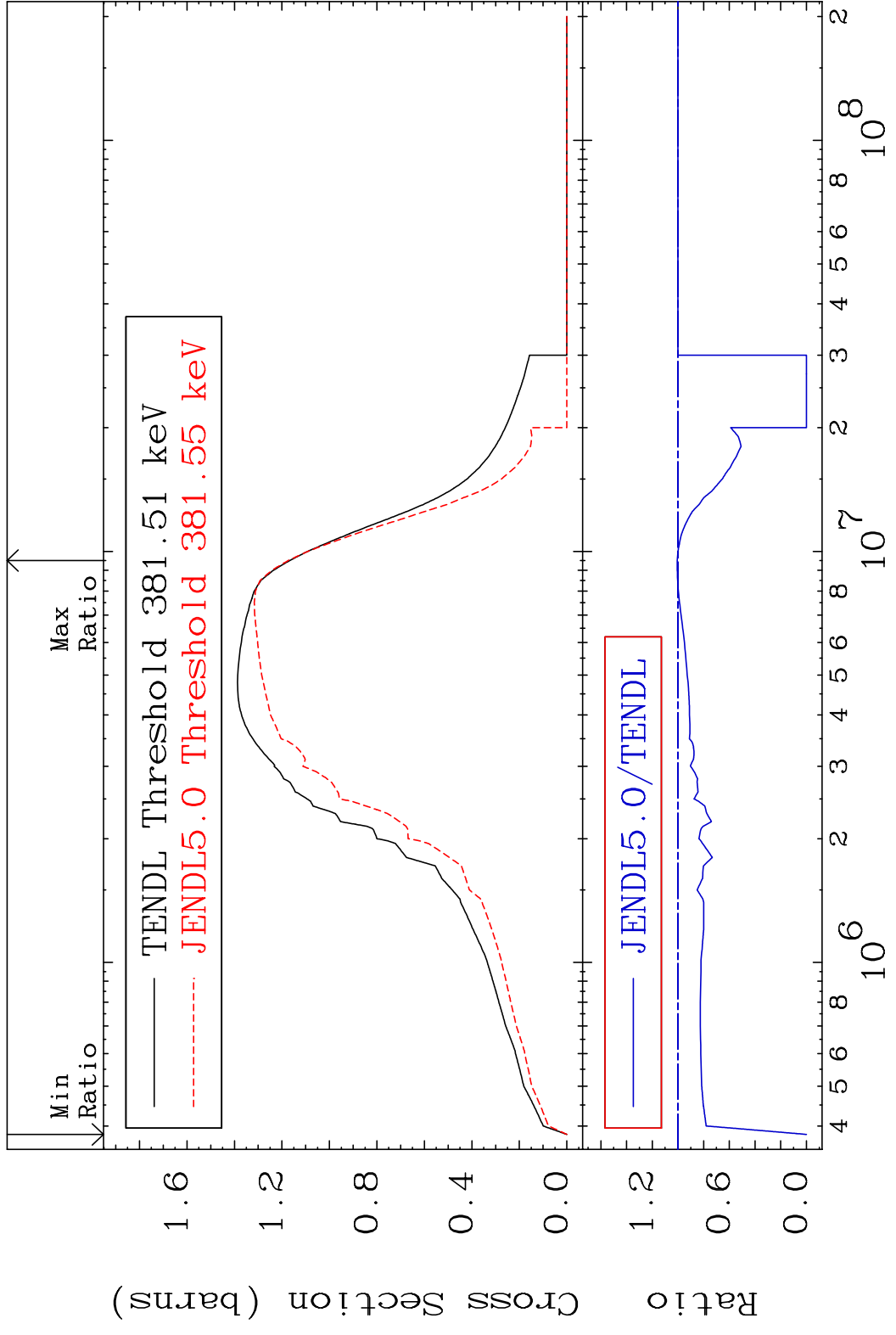


2

Incident Energy (eV)

20-Ca-43

MAT 2034 Inelastic Cross Section -100.0 To 0.576 % 20-Ca-43



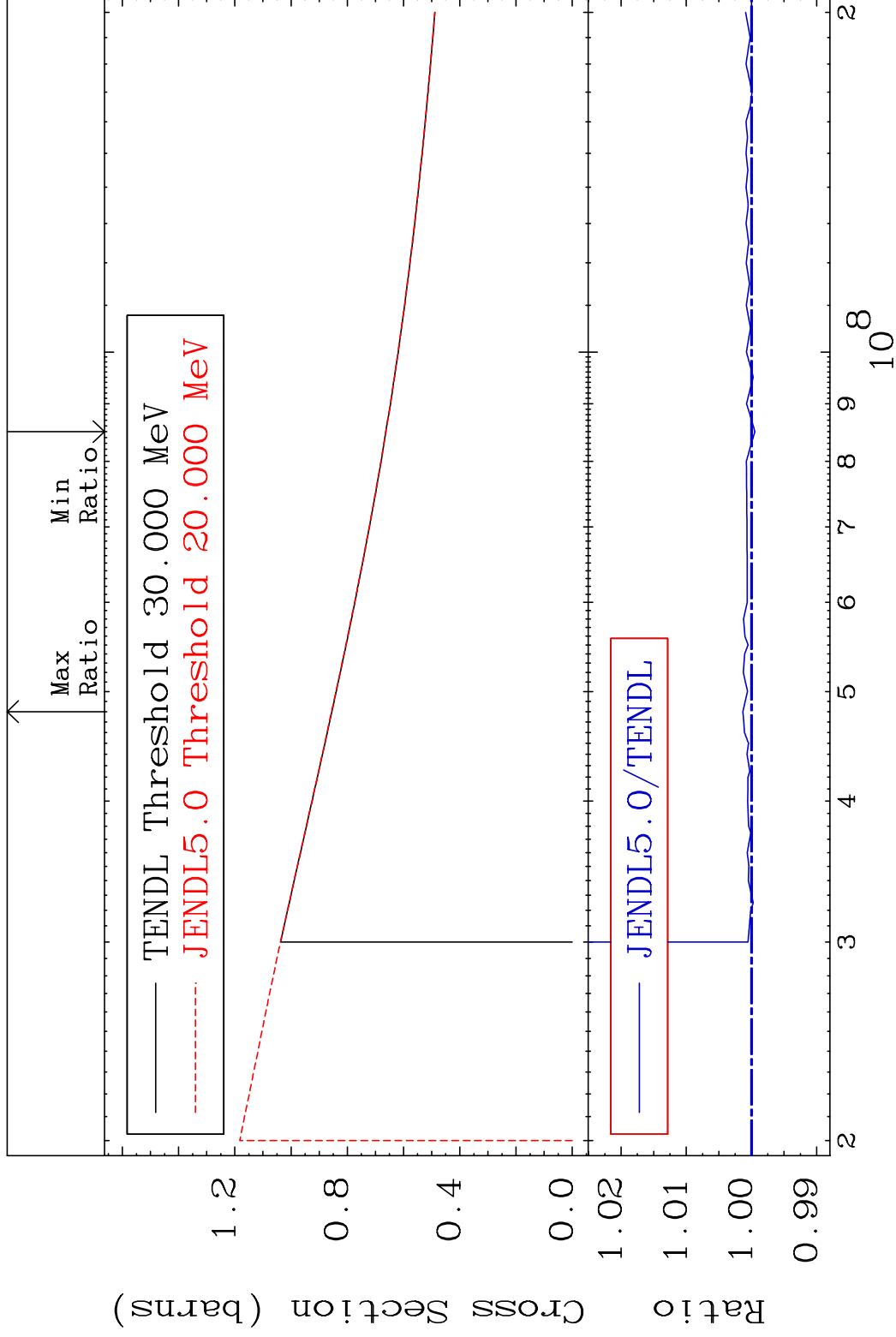
3 Incident Energy (eV) 20-Ca-43

MAT 2034

(n, remainder)

20-Ca-43

Cross Section -0.052 To 0.132 %

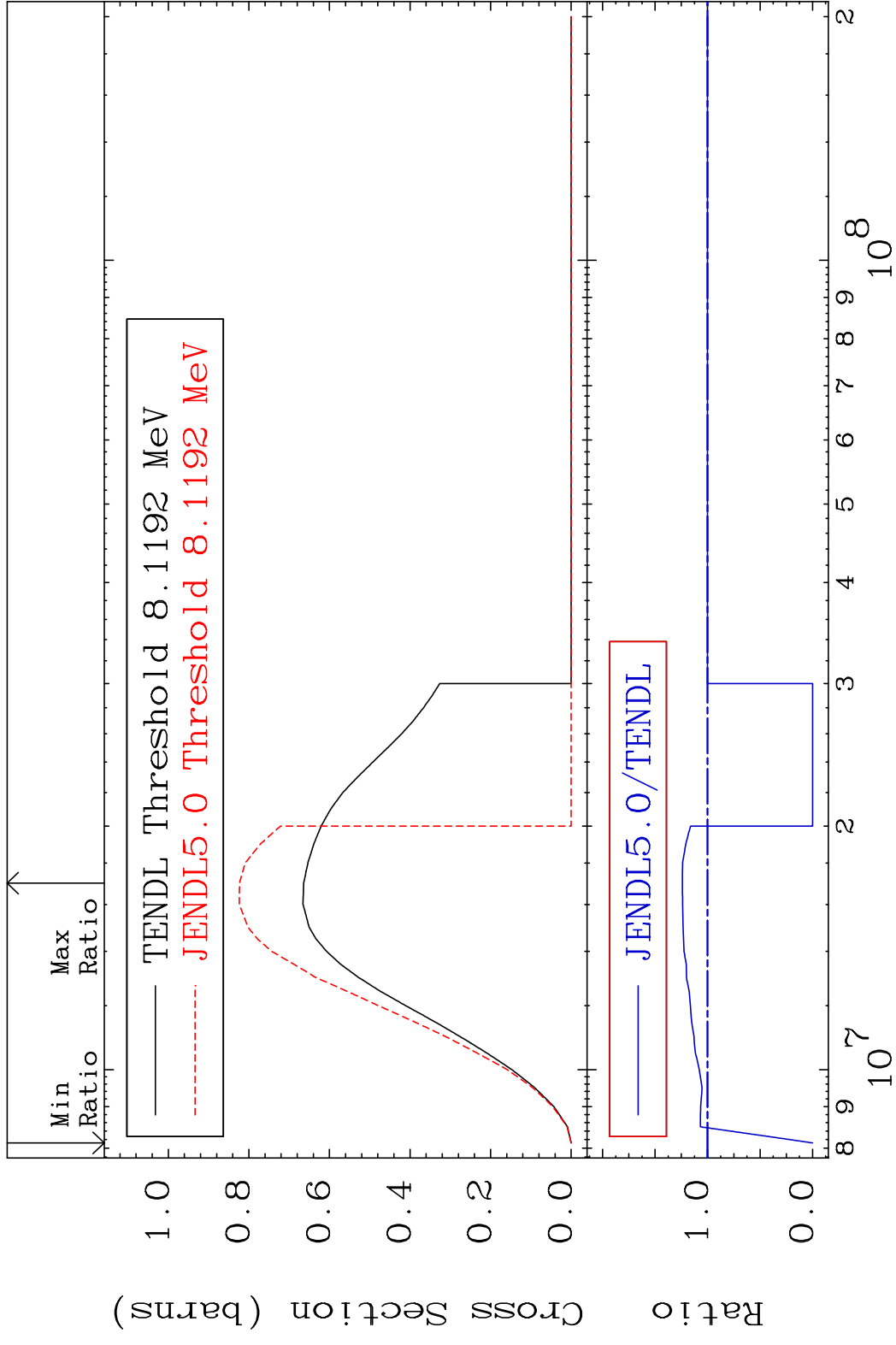


4

Incident Energy (eV)

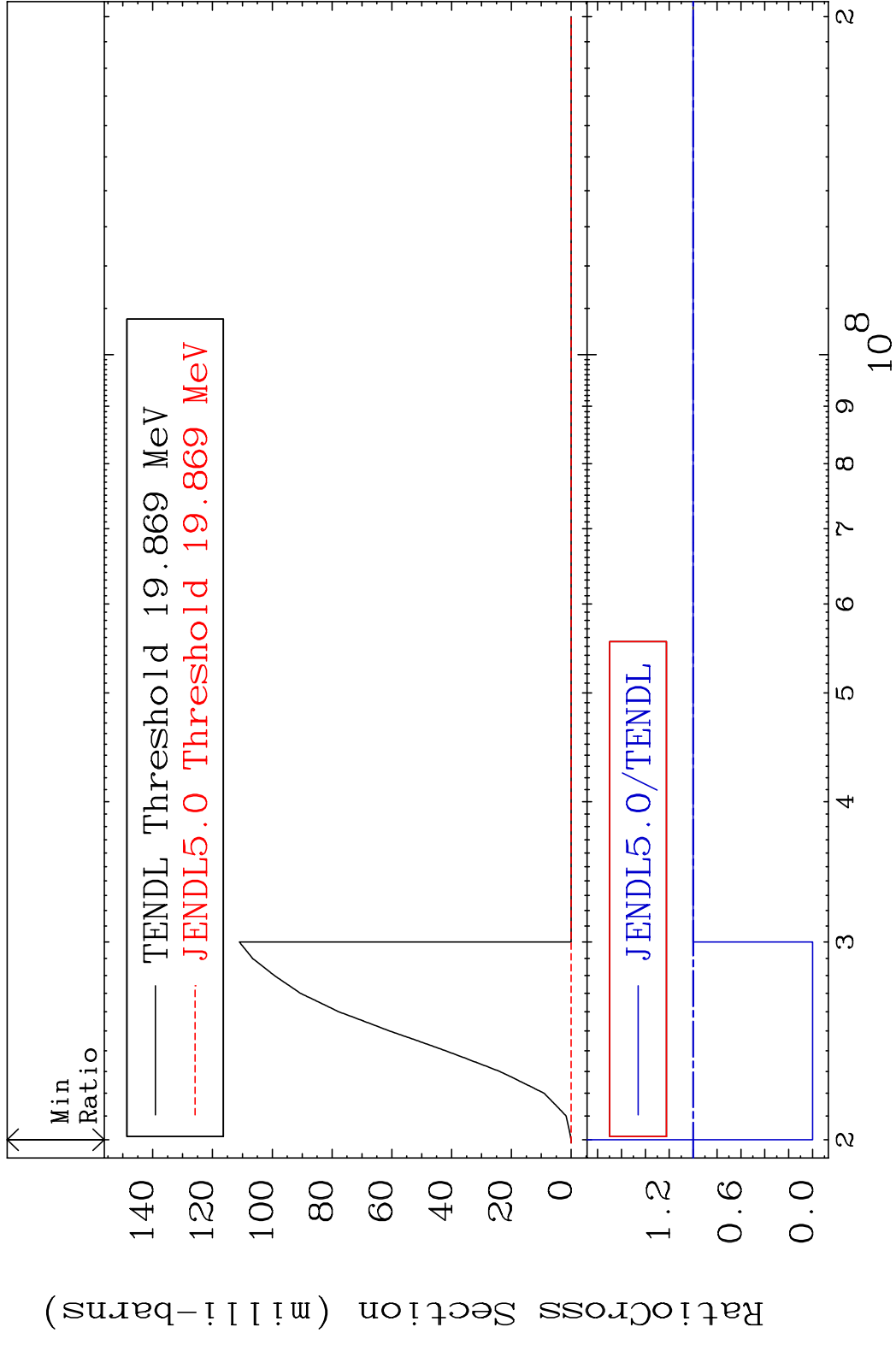
20-Ca-43

MAT 2034 (n,2n) 20-Ca-43  
 Cross Section -100.0 To 24.02 %

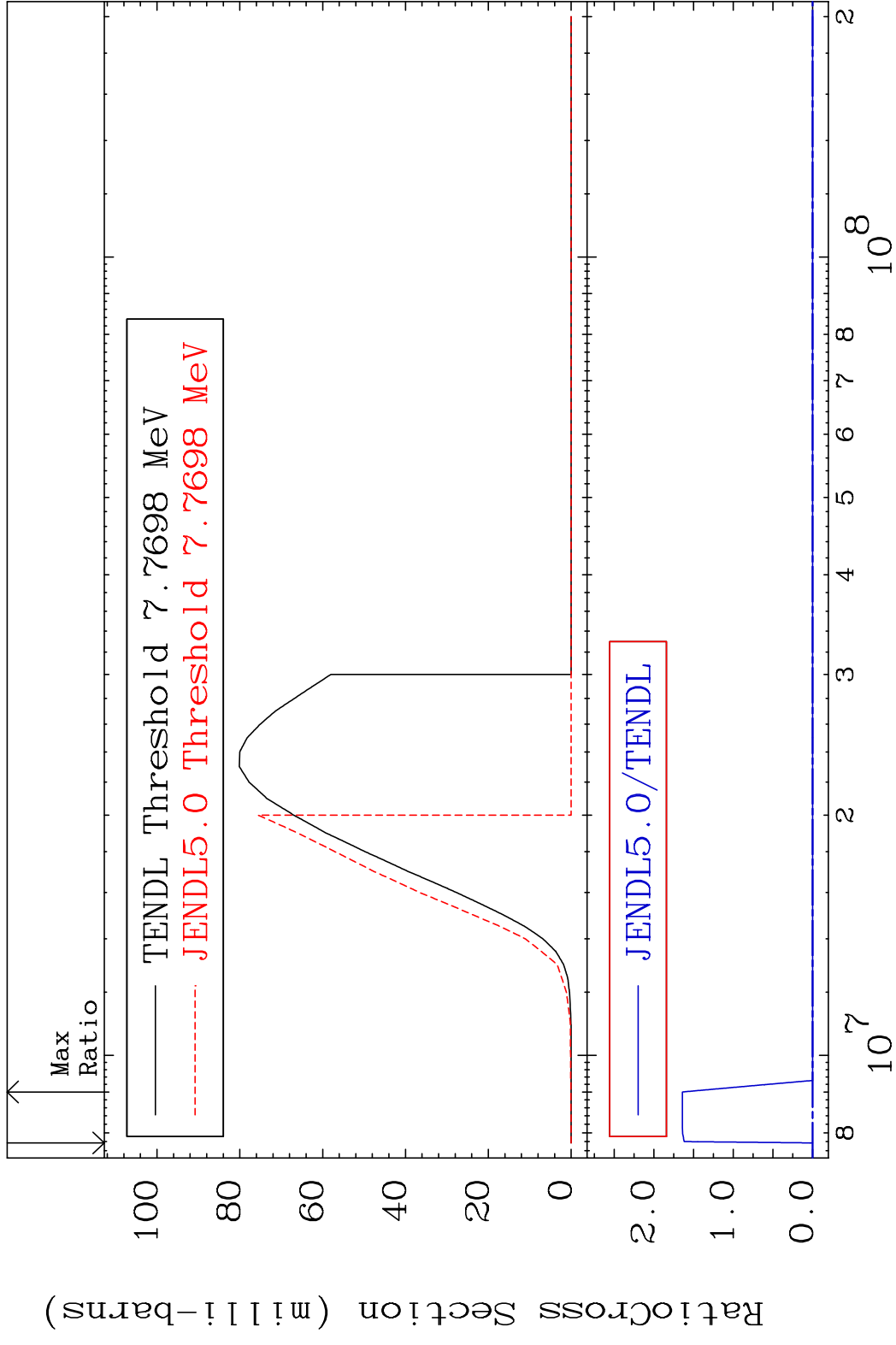


5 Incident Energy (eV) 20-Ca-43

MAT 2034 (n,3n) 20-Ca-43  
 Cross Section -100.0 To 9.009 %



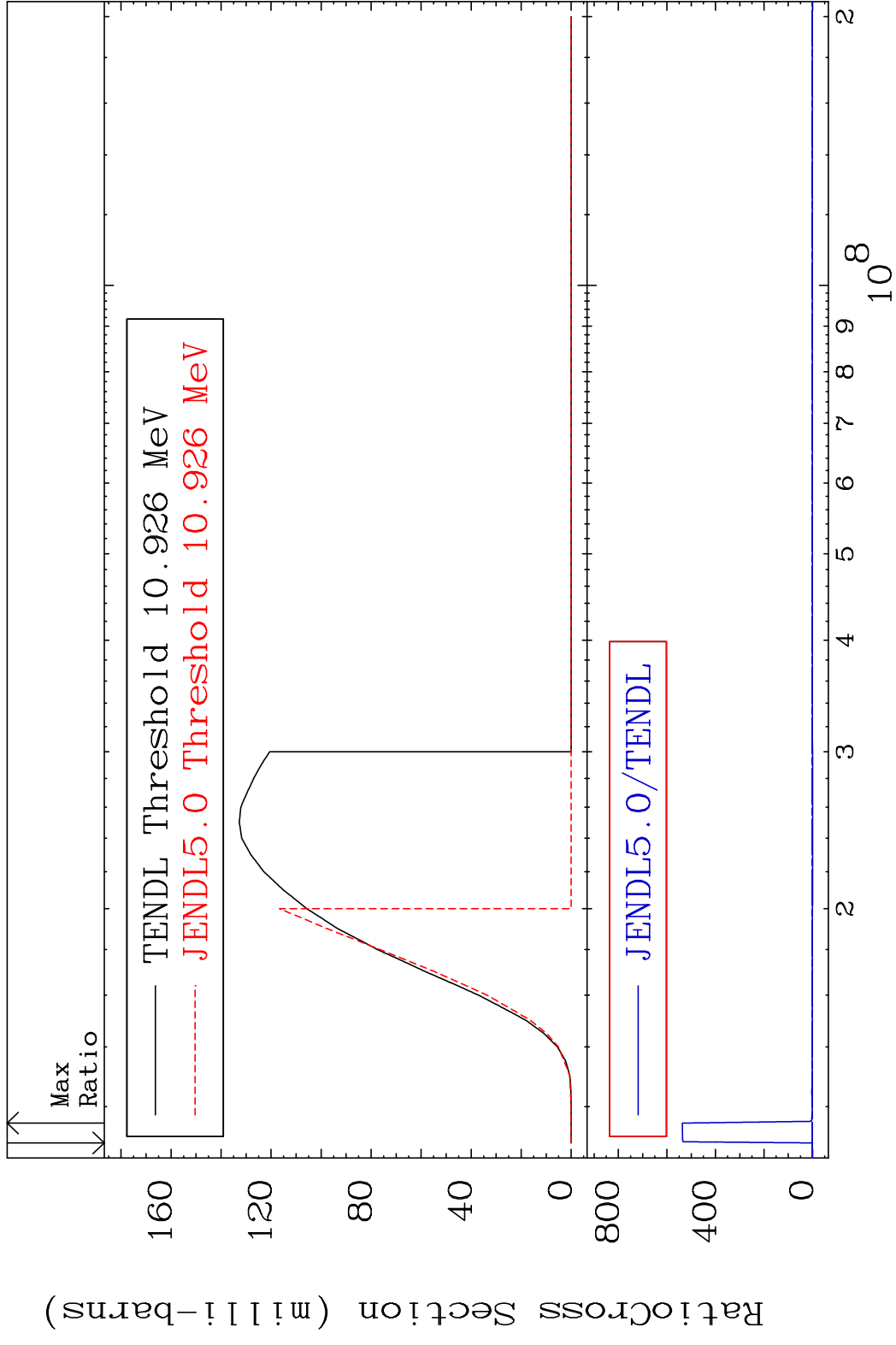
MAT 2034 (n, n')  $\alpha$  20-Ca-43  
 Cross Section -100.0 To 9999. %



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

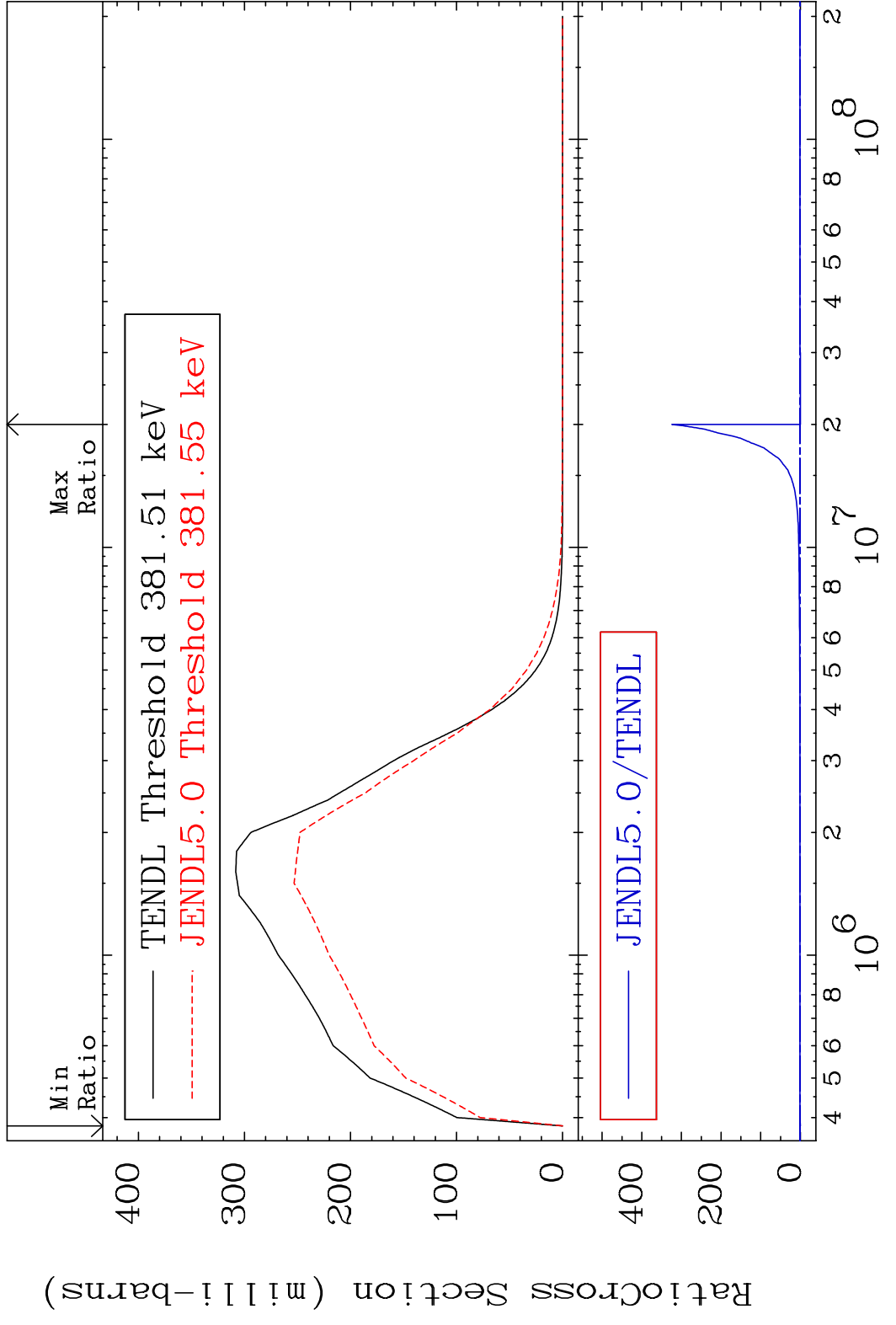


MAT 2034 (n, n') p 20-Ca-43  
 Cross Section -100.0 To 9999. %

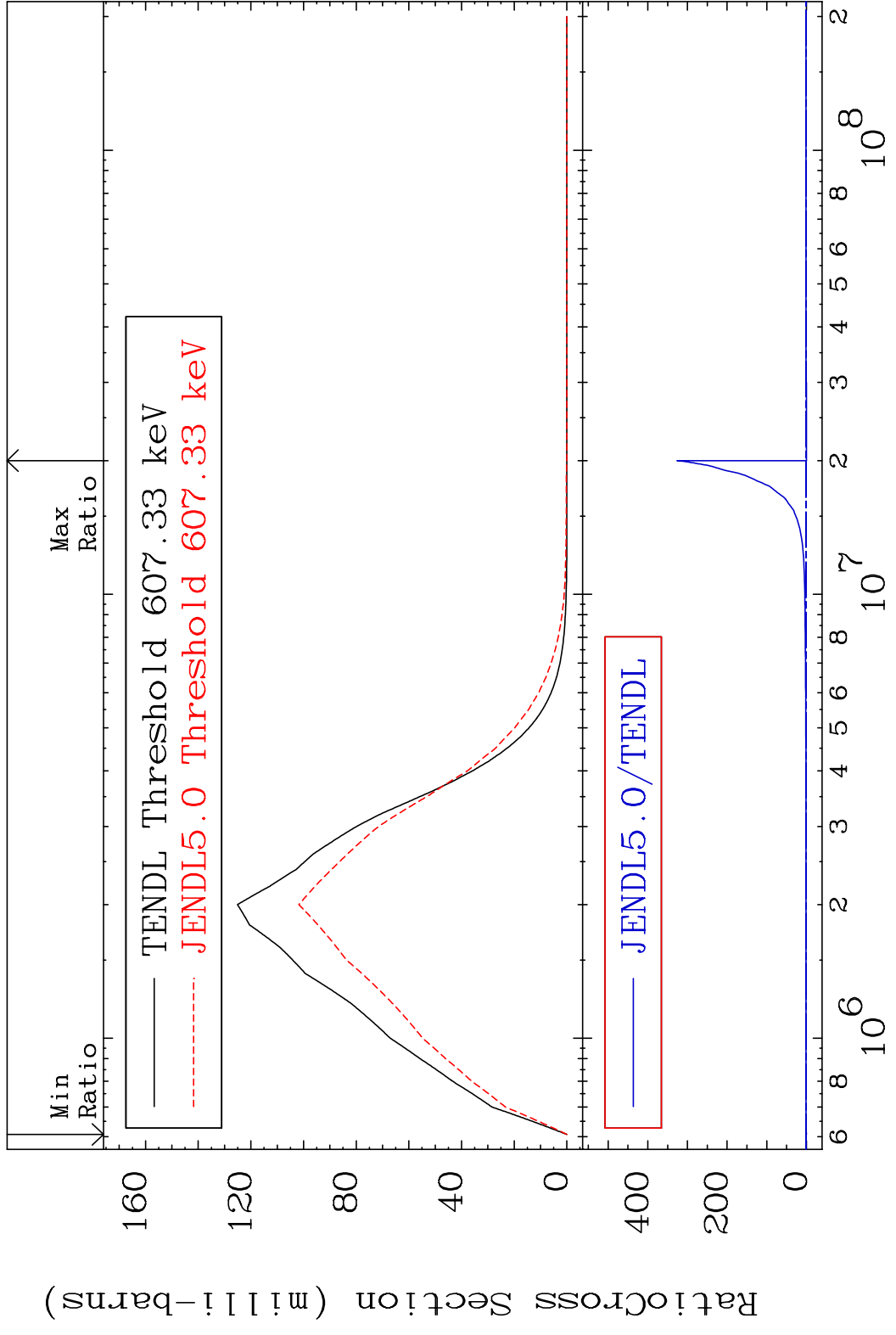


8 Incident Energy (eV) 20-Ca-43

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

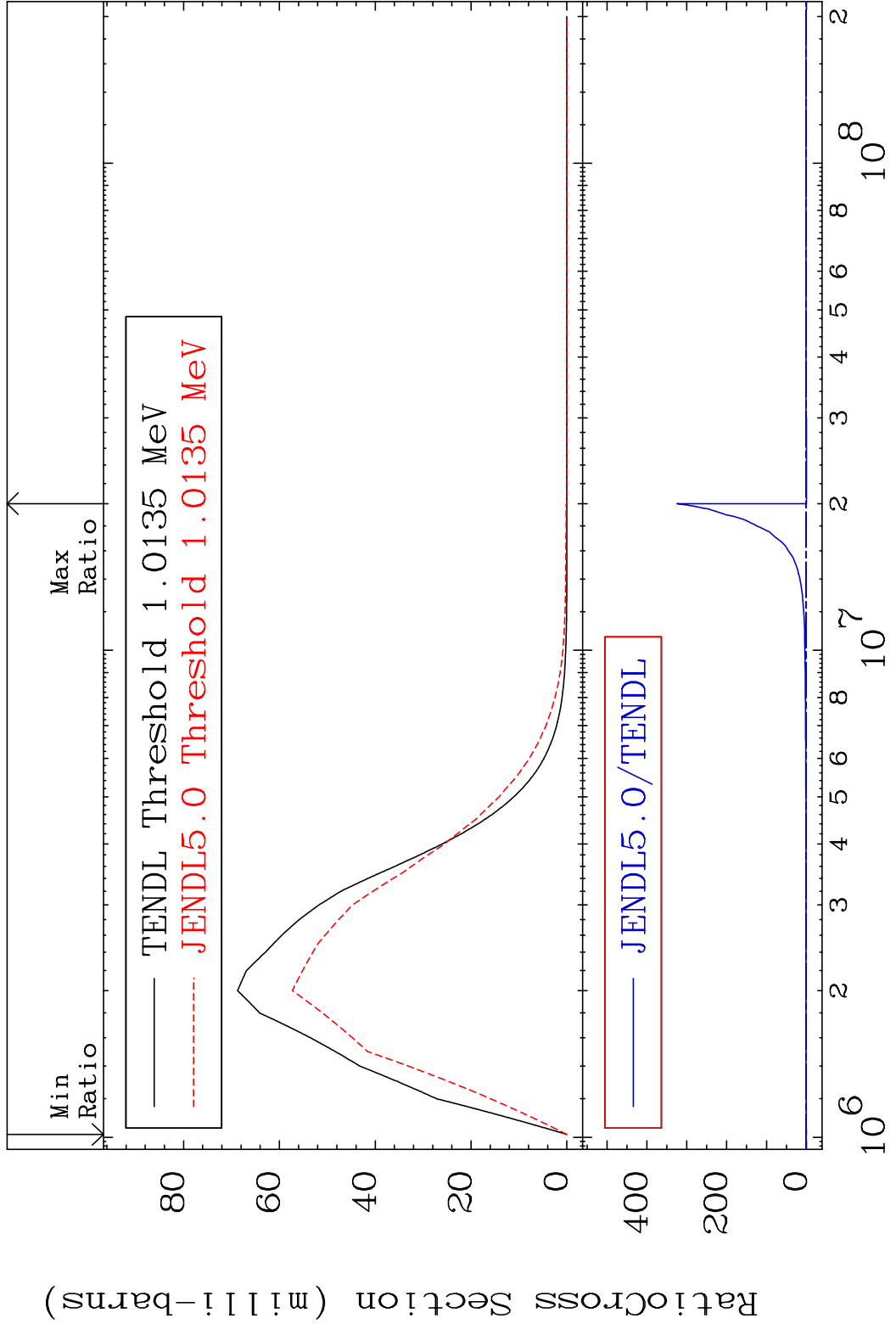


MAT 2034 MT= 52 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



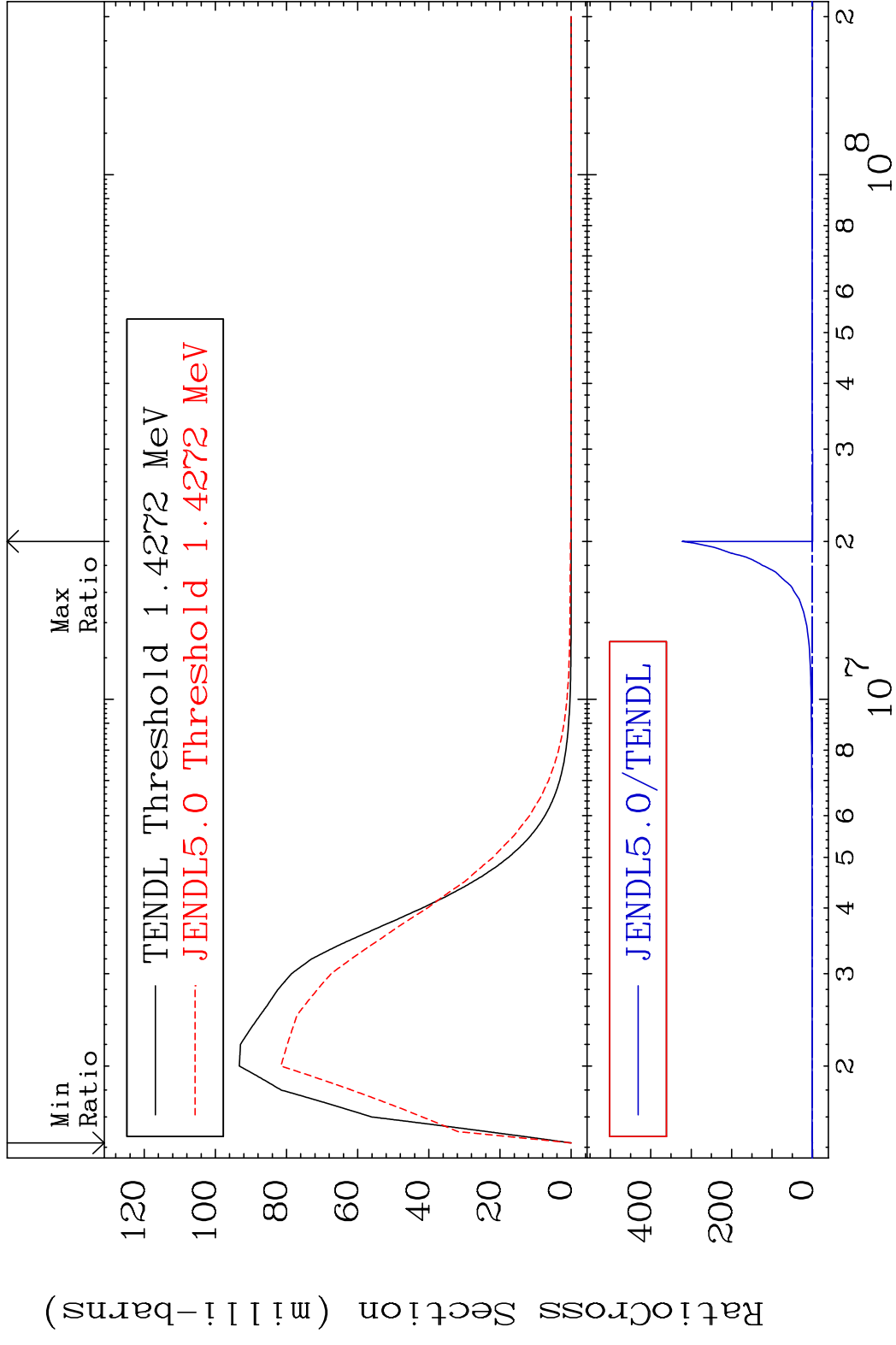
10 20 30 40 50 60 70 80 100 200 300 400 500 600 700 800 1000

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

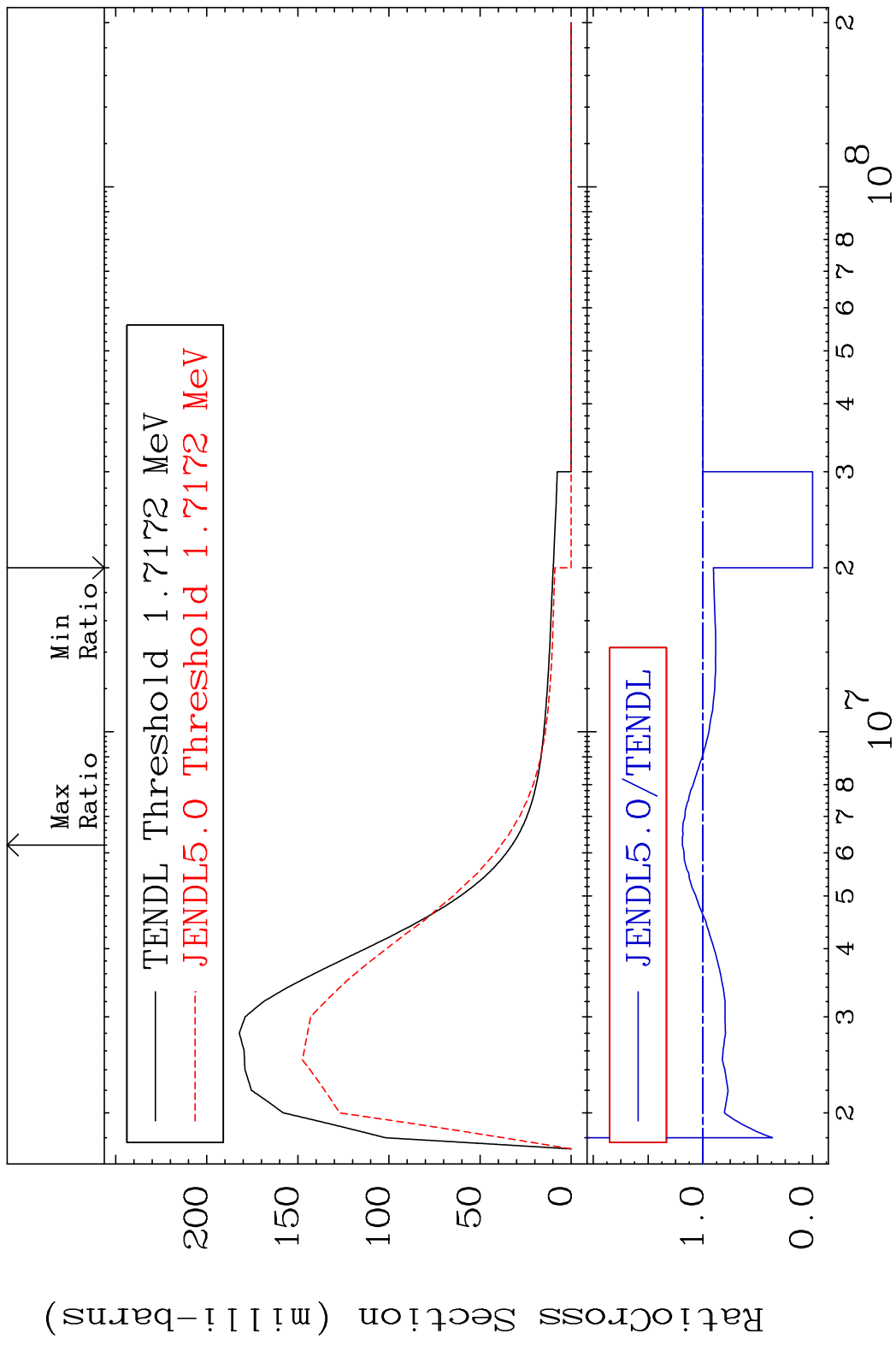


11

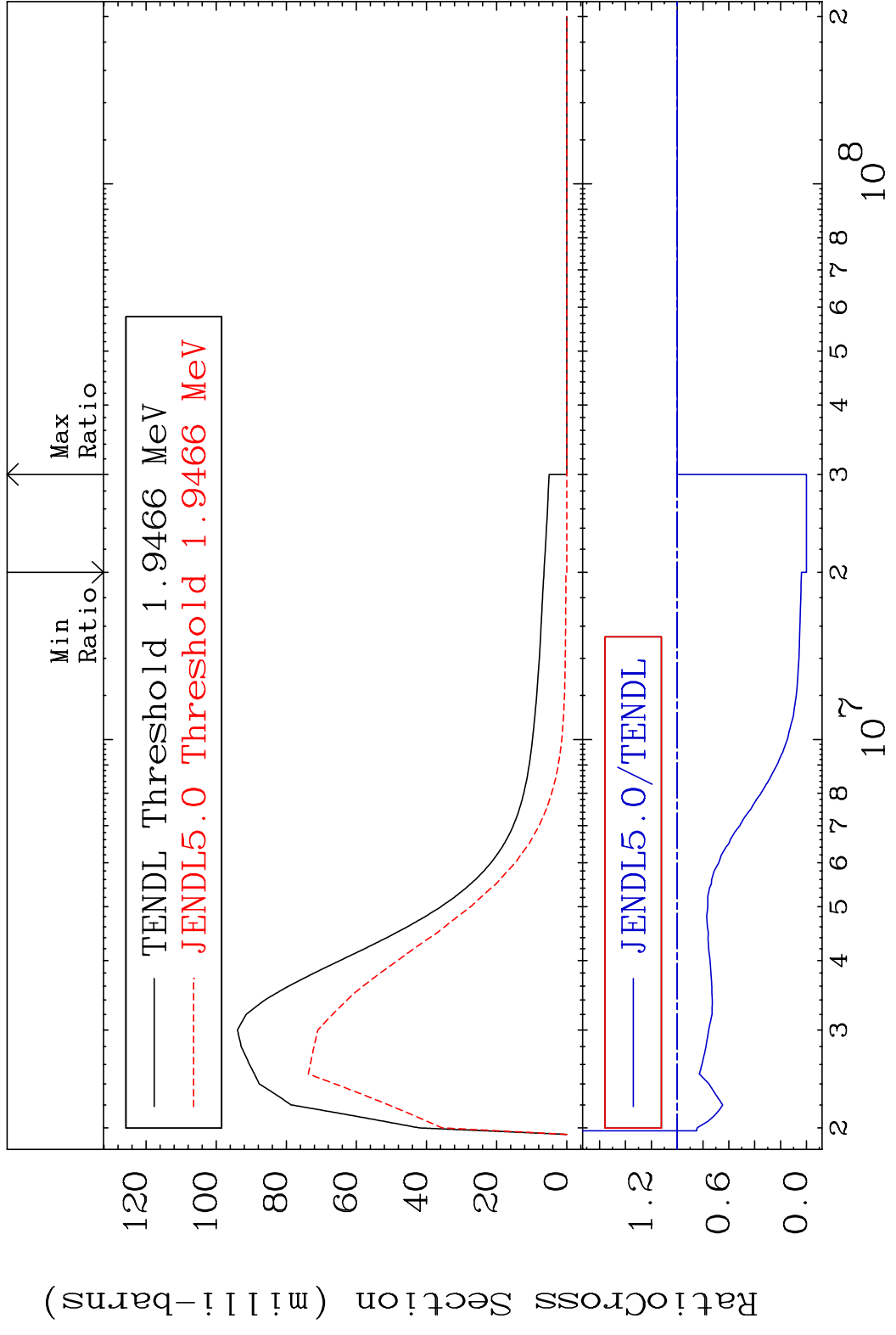
MAT 2034 MT= 54 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



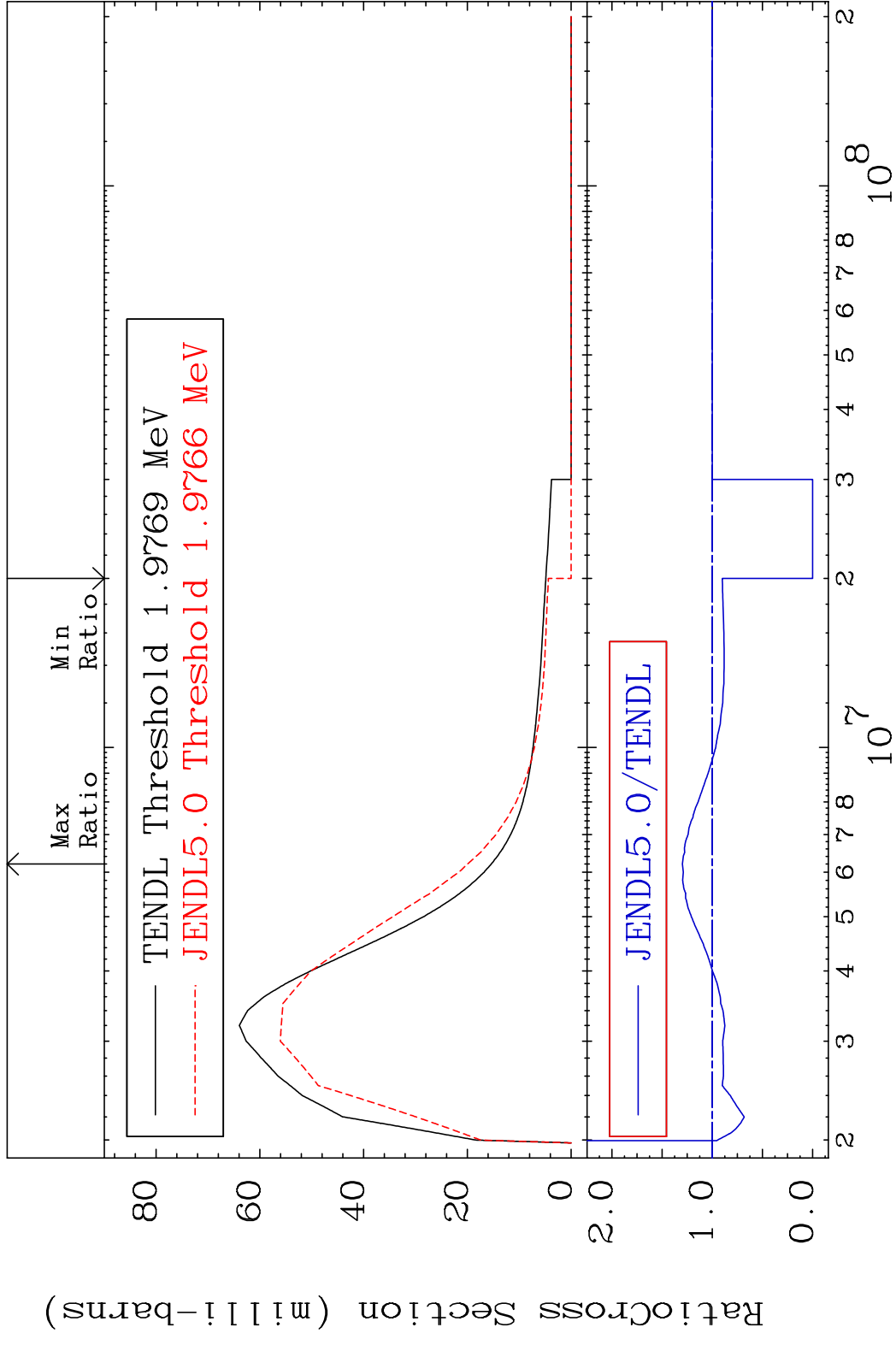
MAT 2034 MT= 55 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 18.77 %



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

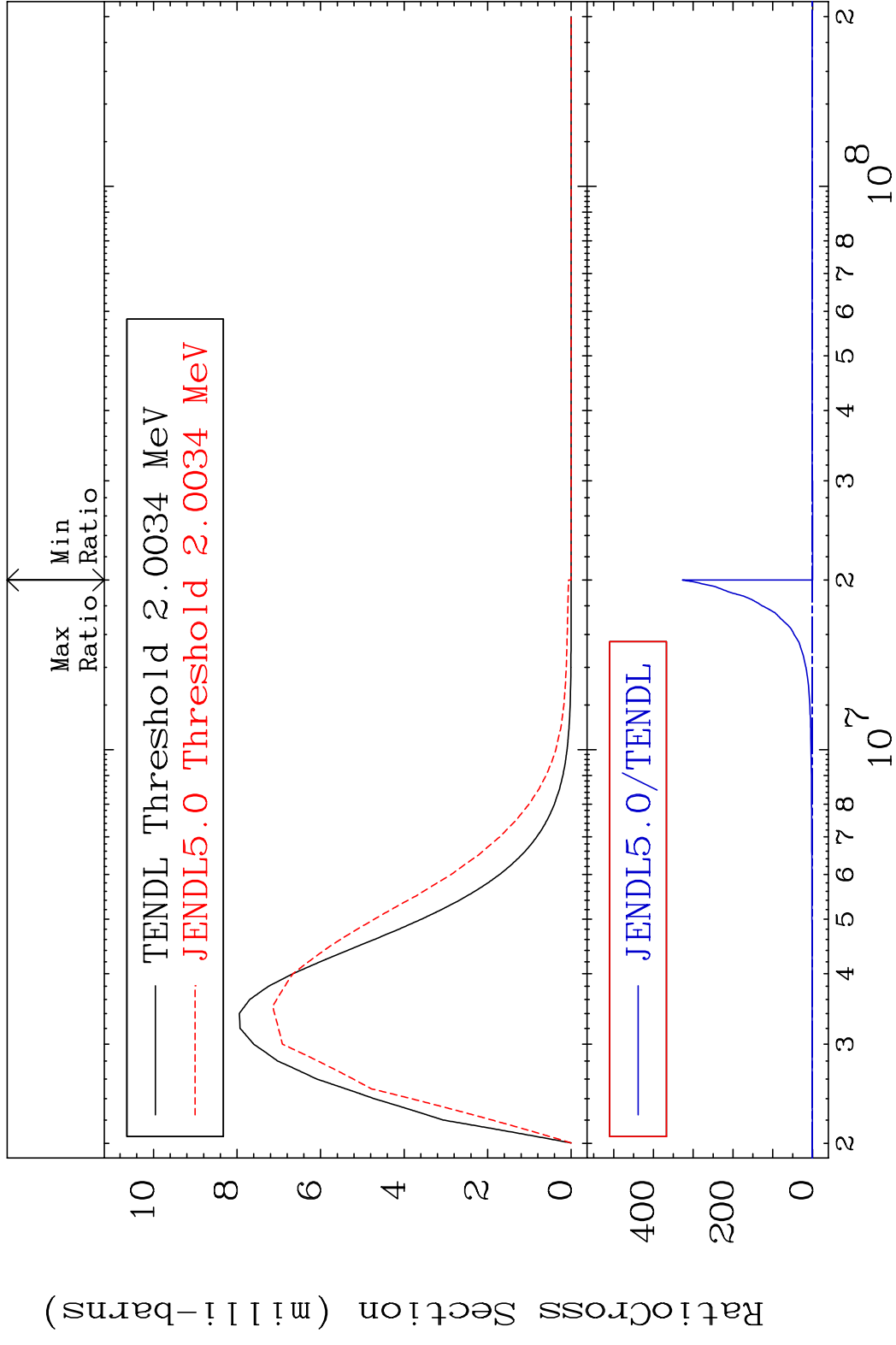


MAT 2034 MT= 57 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 29.73 %



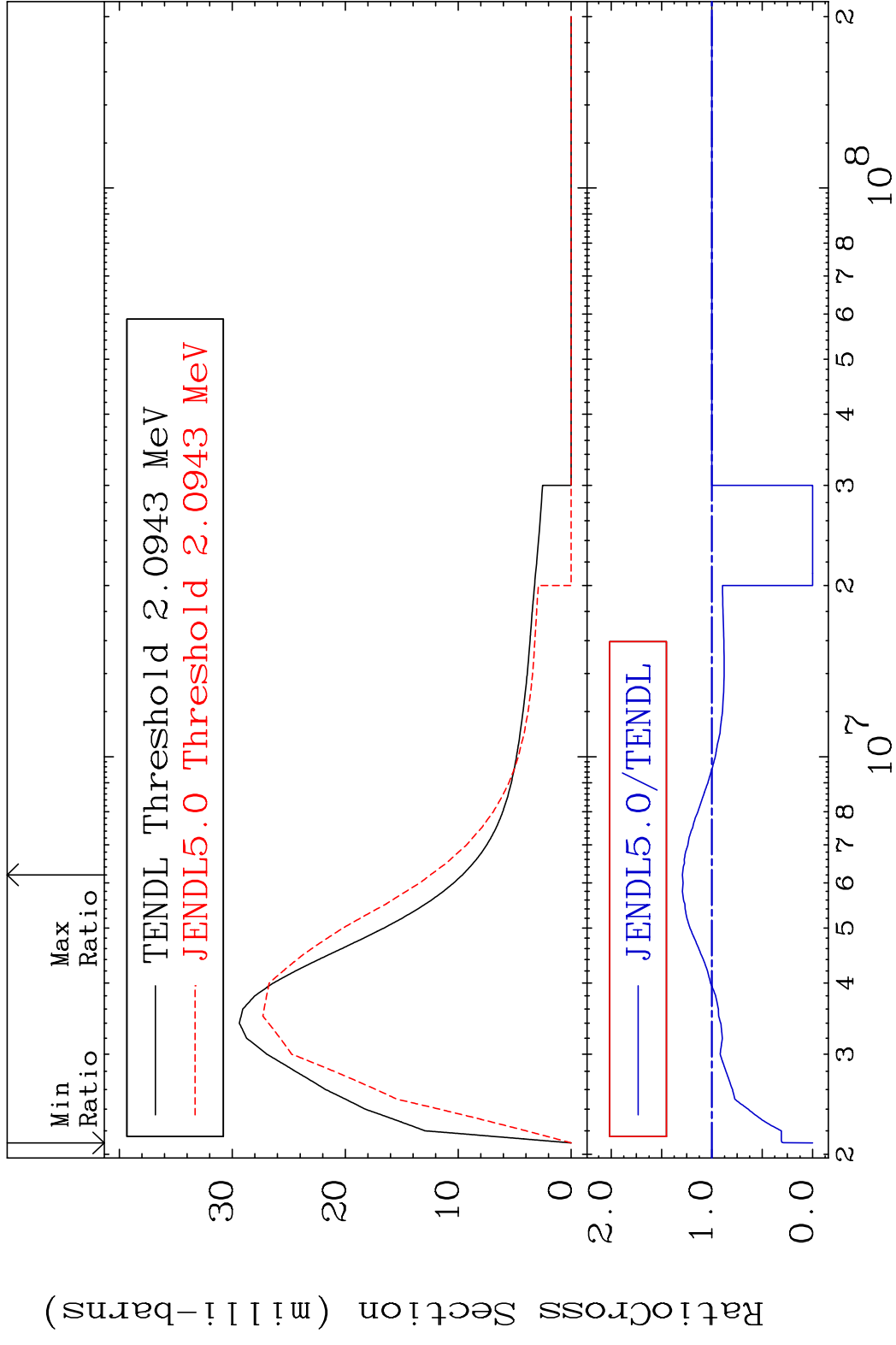


MAT 2034 MT= 58 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



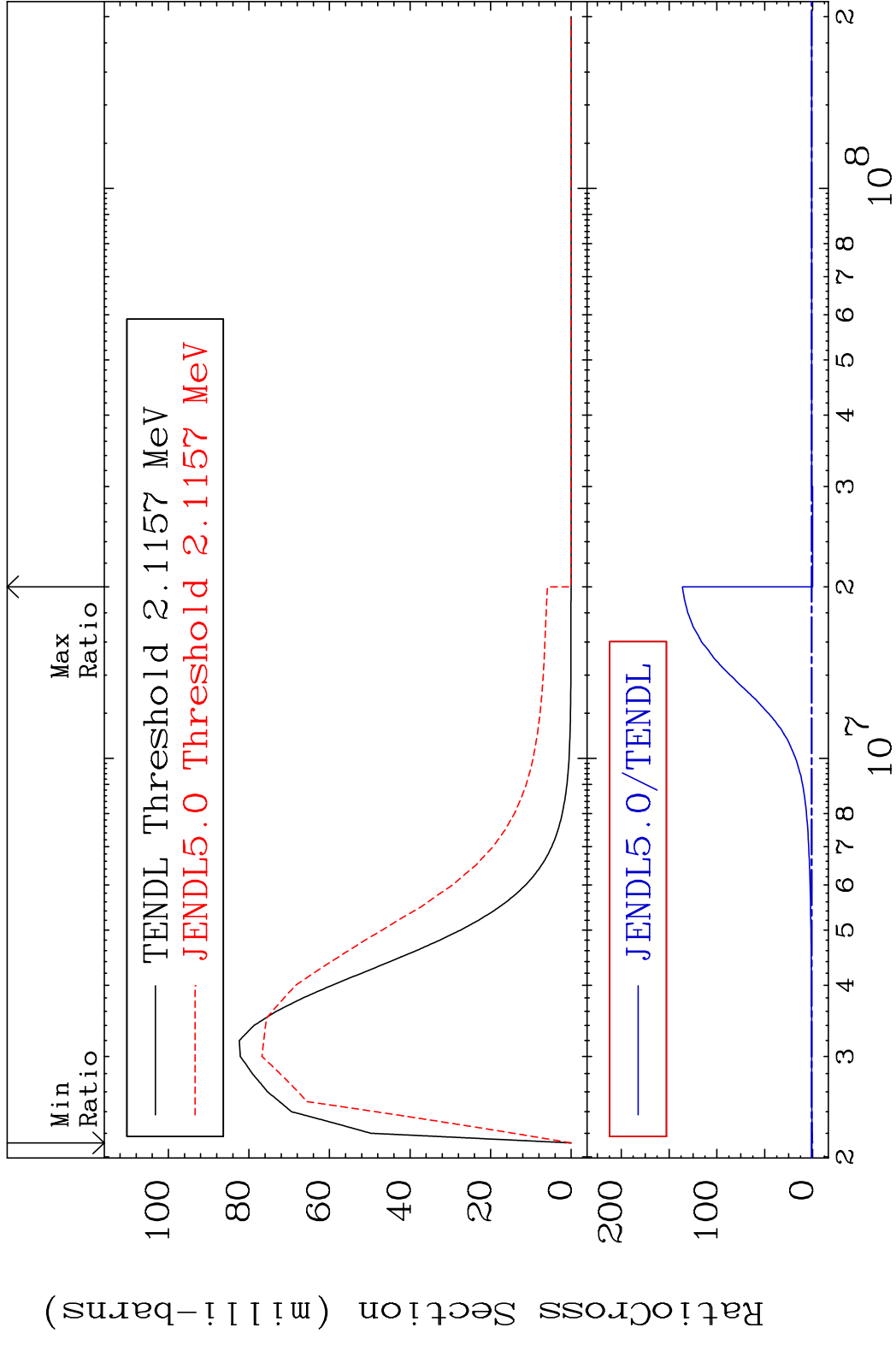
16 Incident Energy (eV) 20-Ca-43

MAT 2034 MT= 59 (n,n') Level 20-Ca-43  
 Cross Section -100.0 To 29.36 %

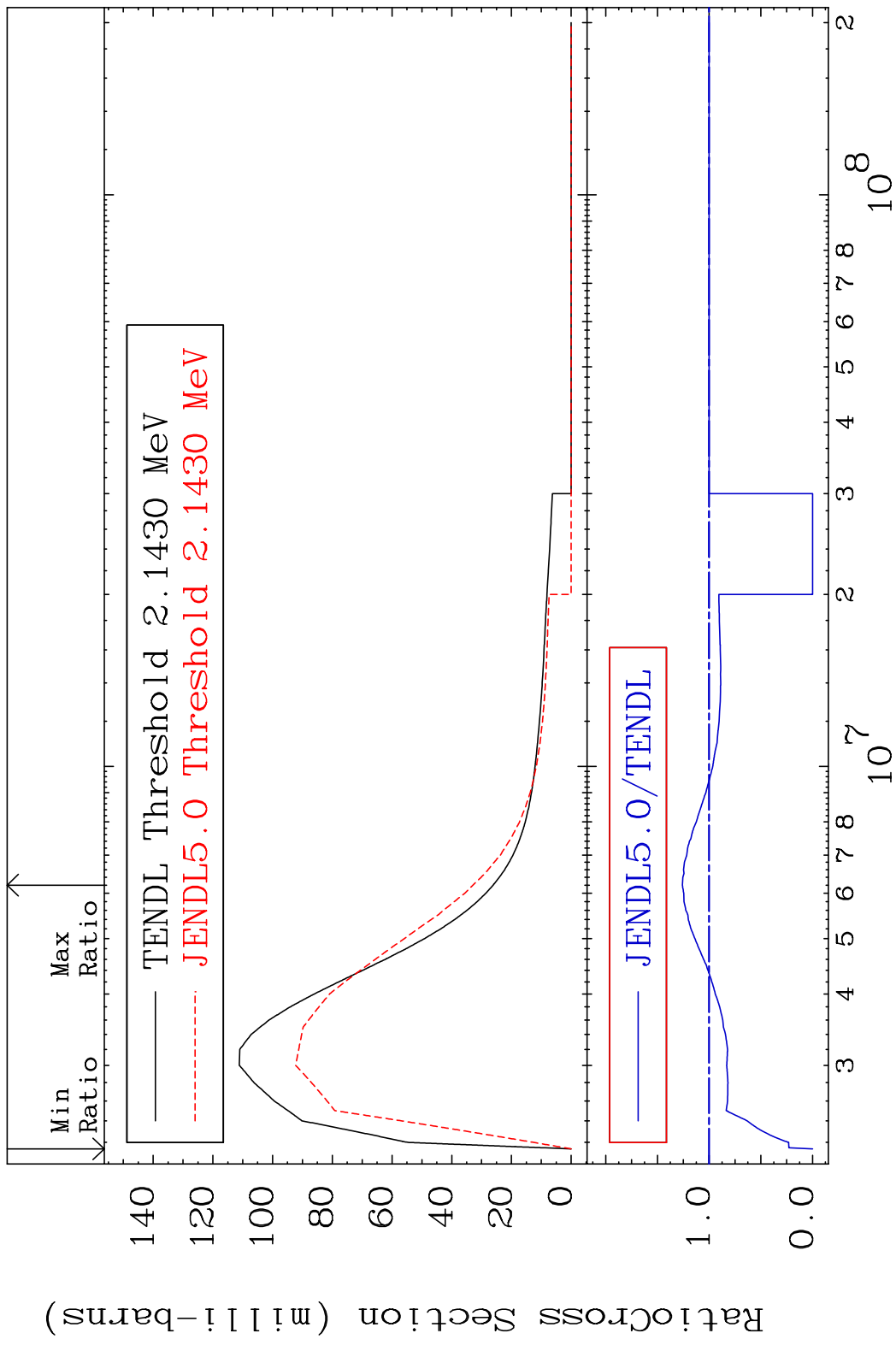


17 Incident Energy (eV) 20-Ca-43

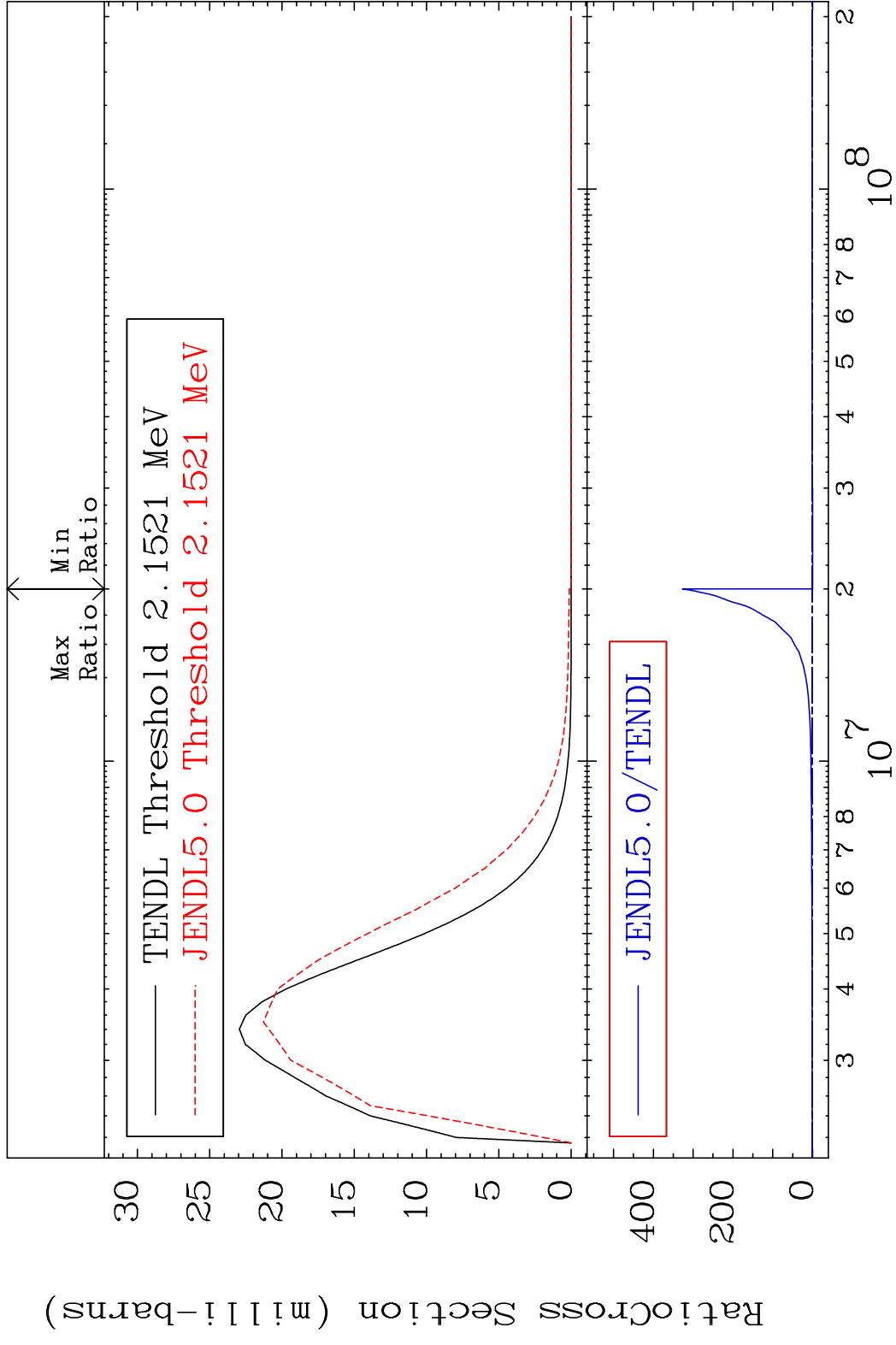
MAT 2034 MT= 60 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



MAT 2034 MT= 61 (n,n') Level 20-Ca-43  
 Cross Section -100.0 To 25.93 %

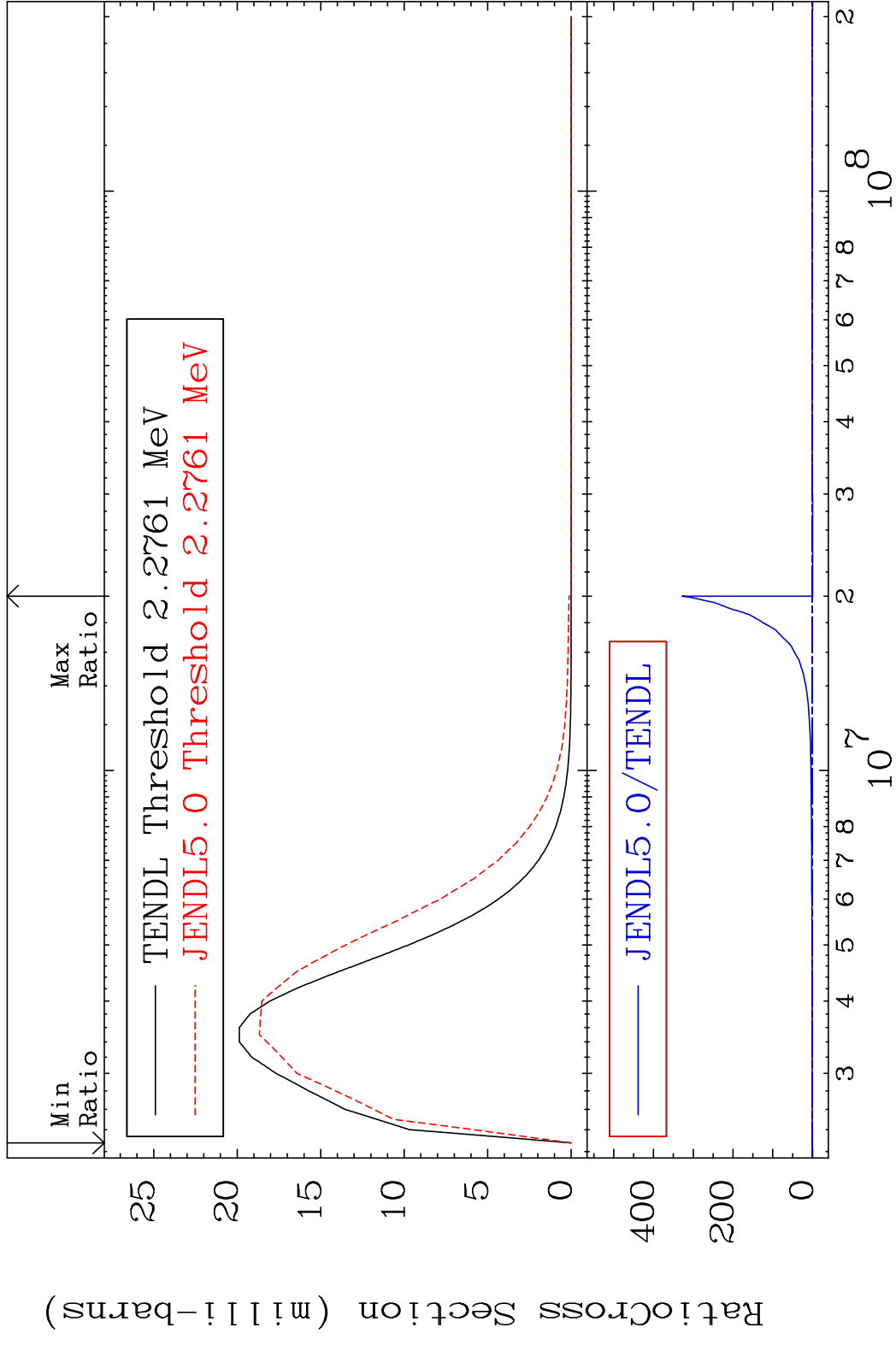


MAT 2034 MT= 62 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %

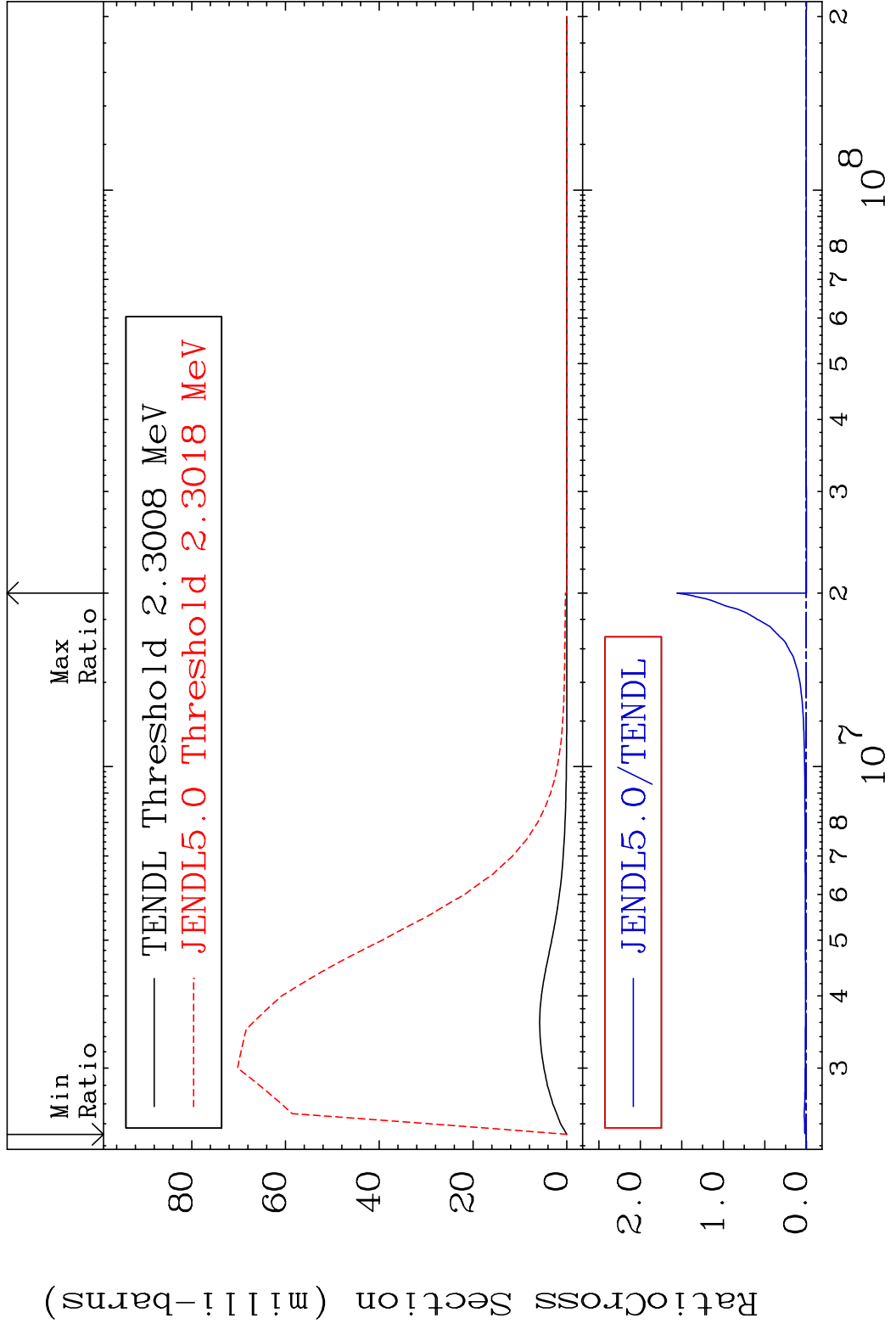


20 3 4 5 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 20-Ca-43

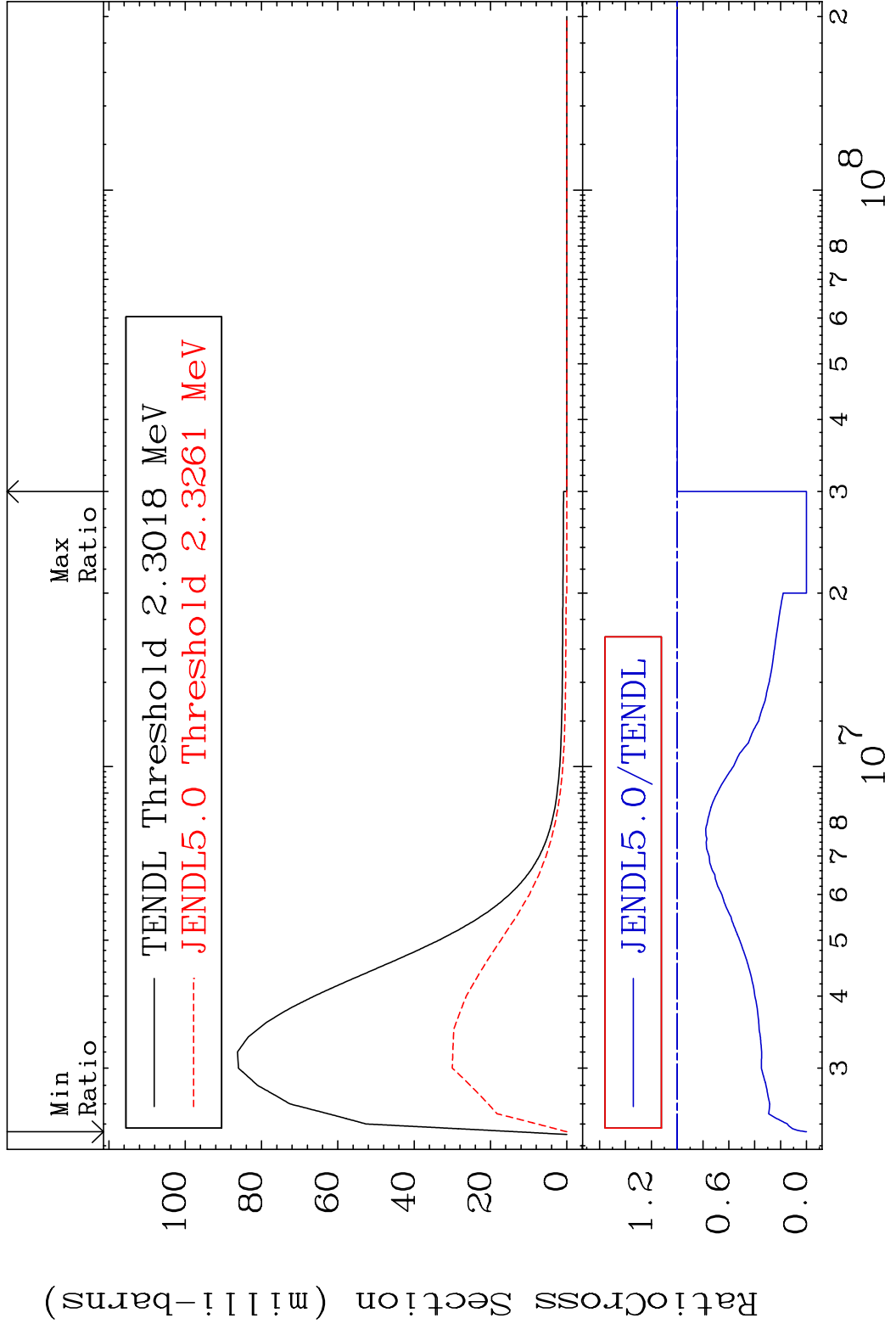
MAT 2034 MT= 63 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



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

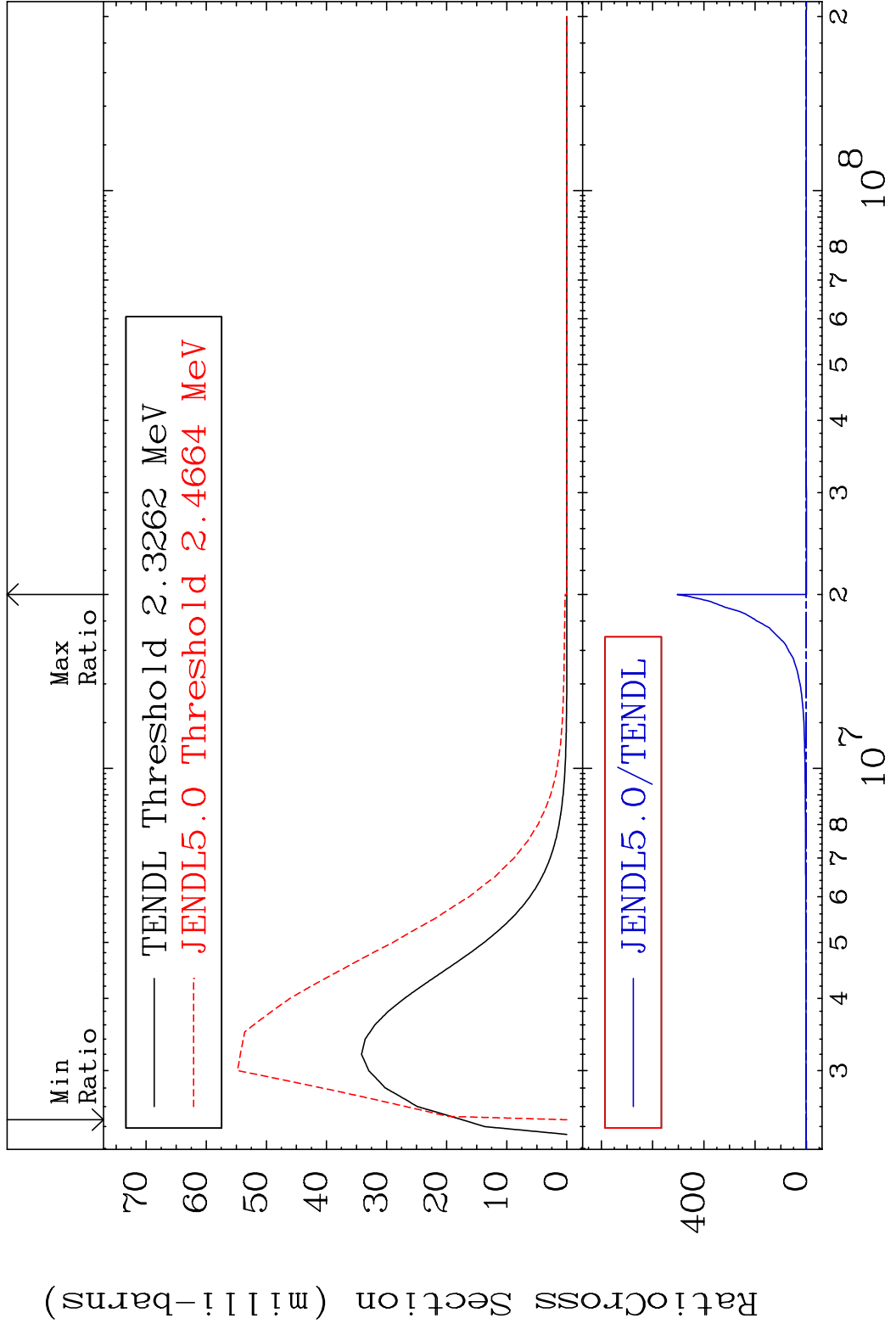


MAT 2034 MT= 65 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %

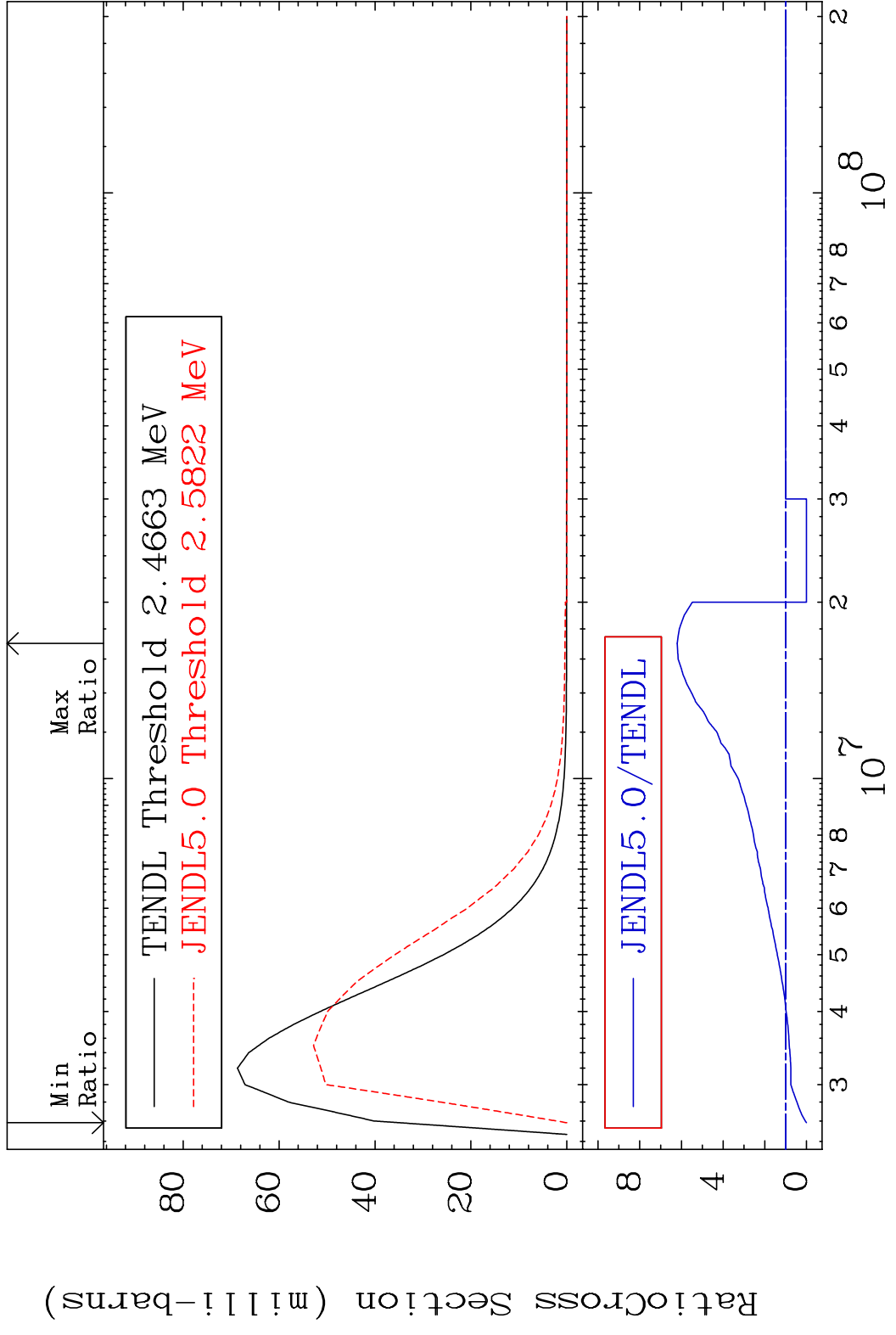




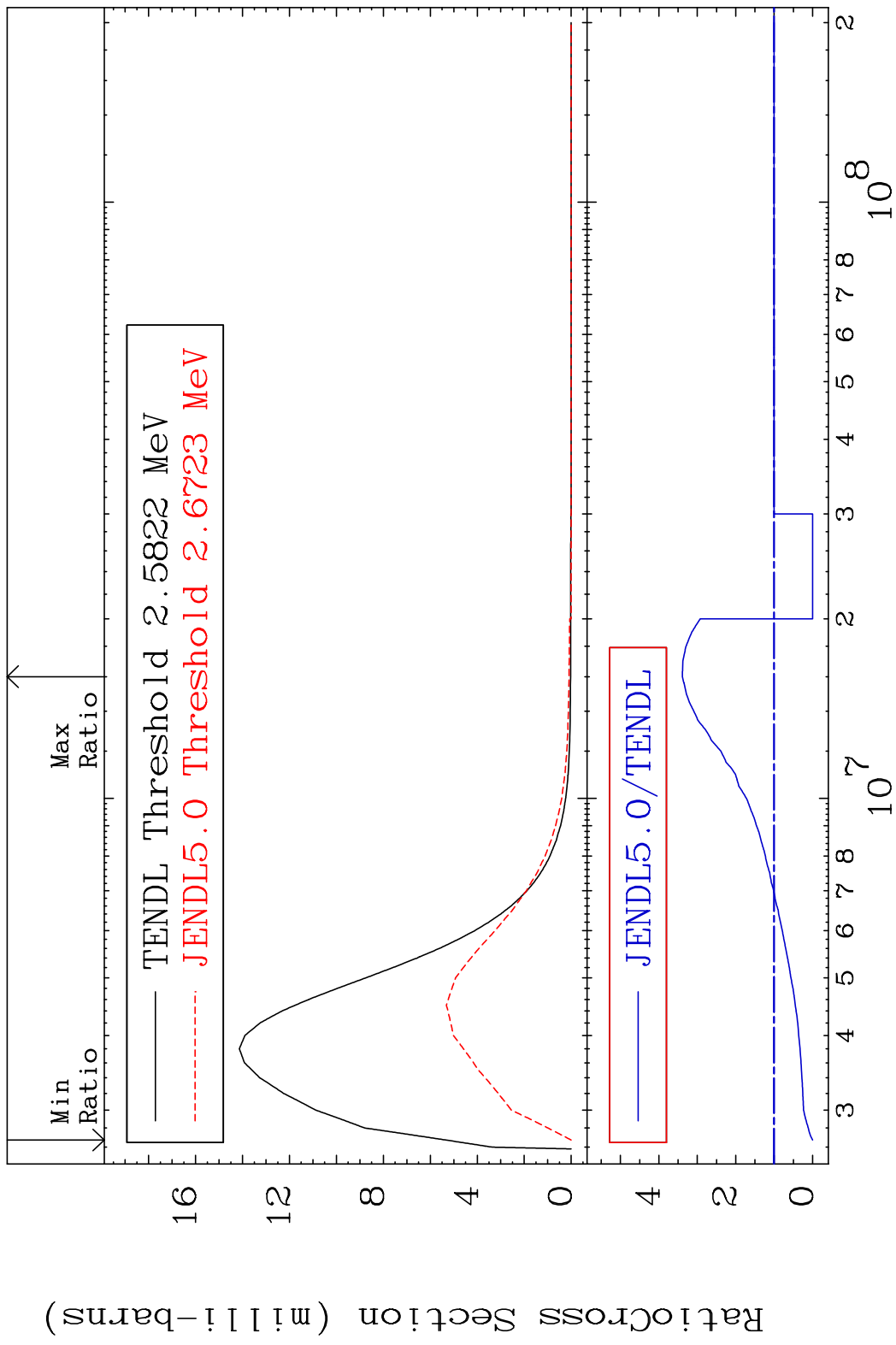
MAT 2034 MT= 66 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



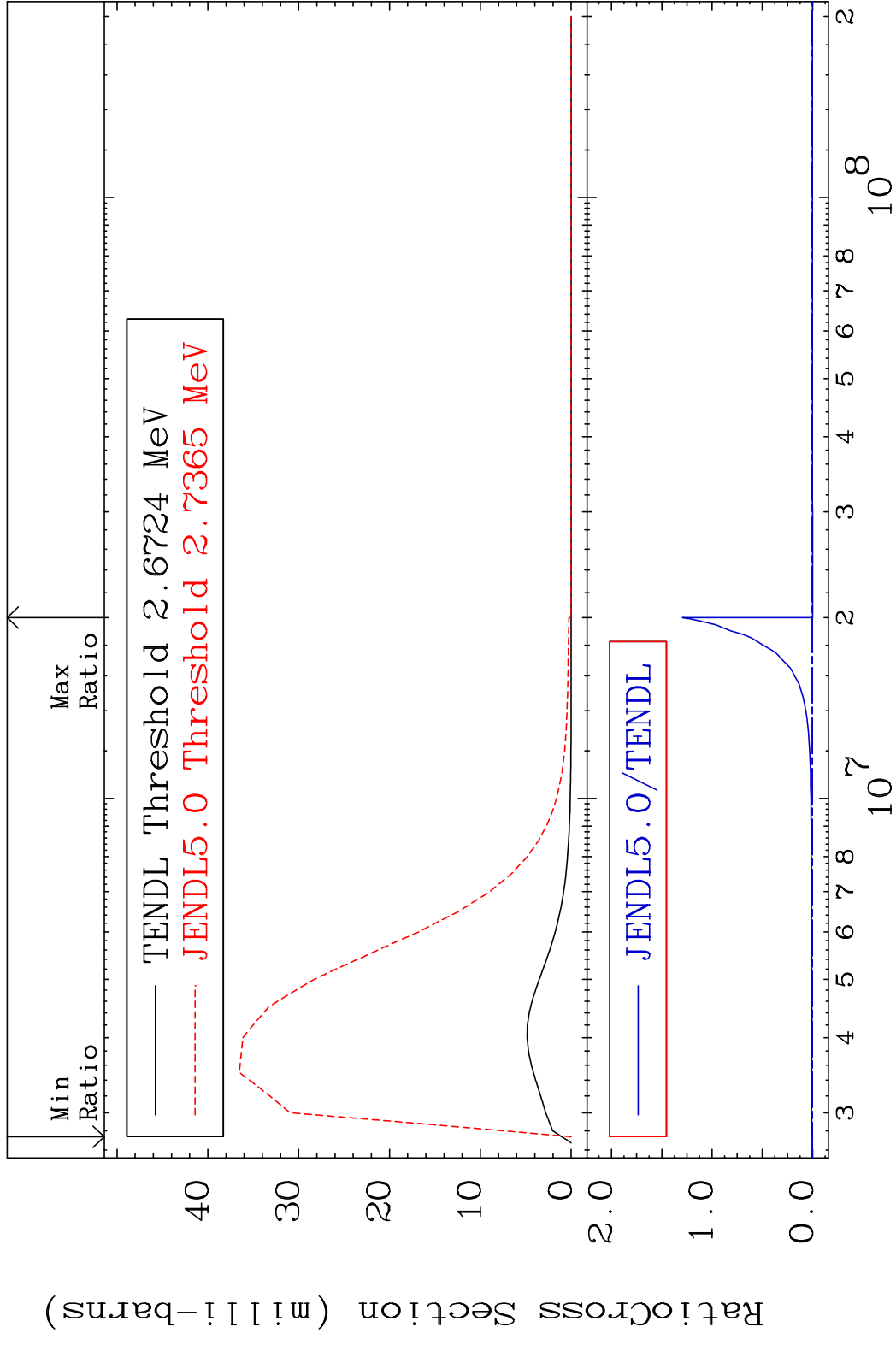
MAT 2034 MT= 67 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 520.3 %



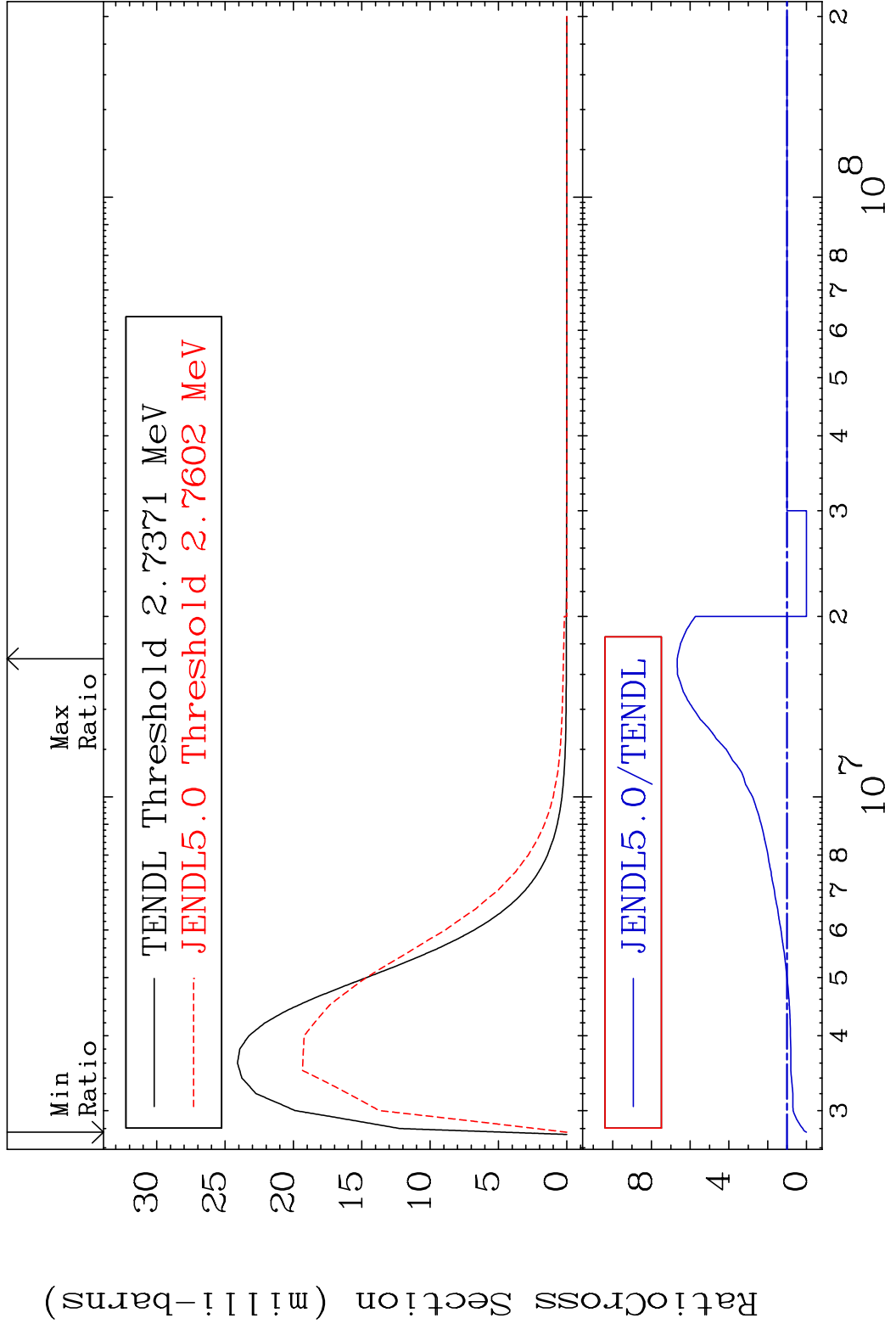
MAT 2034 MT= 68 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 238.9 %



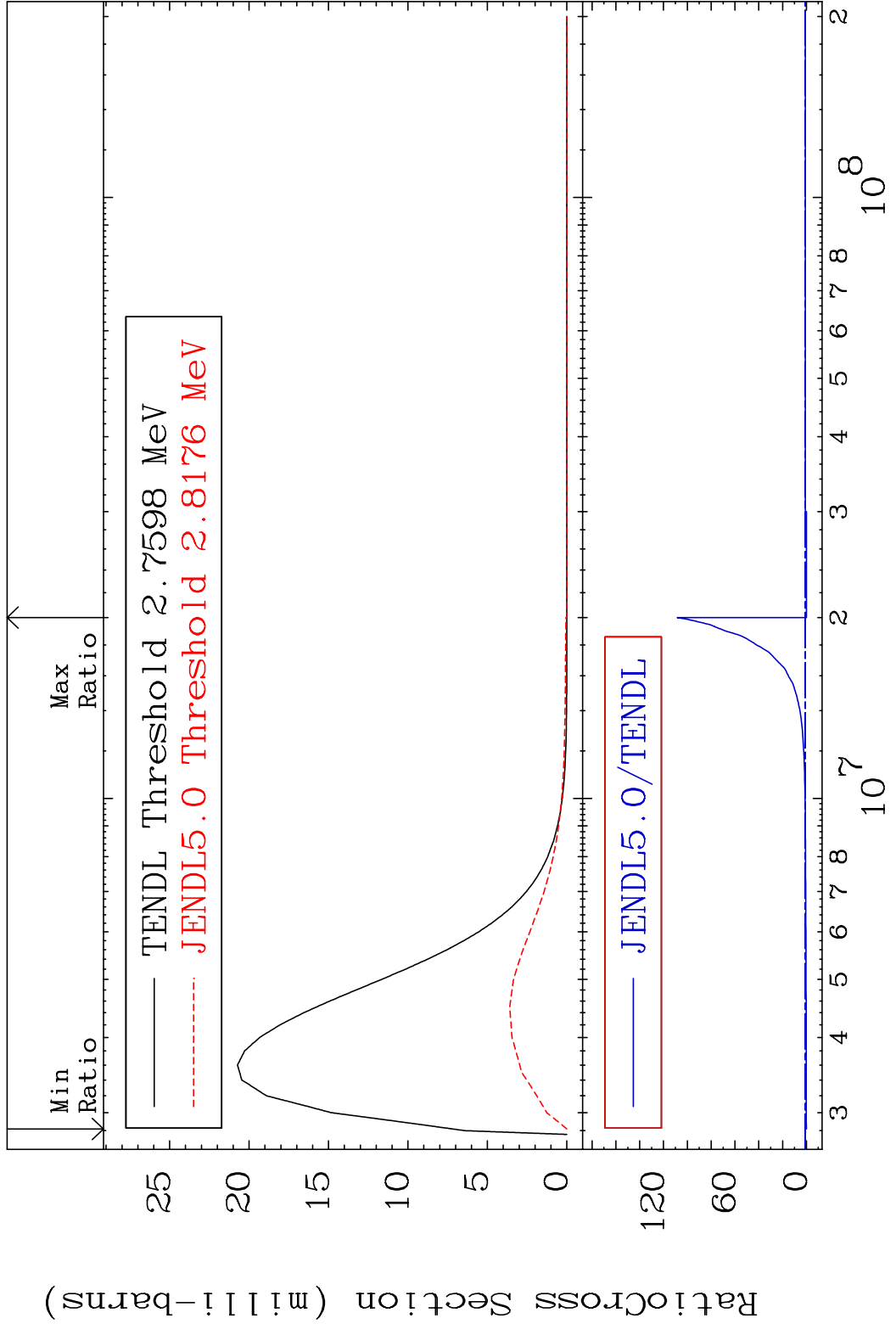
MAT 2034 MT= 69 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



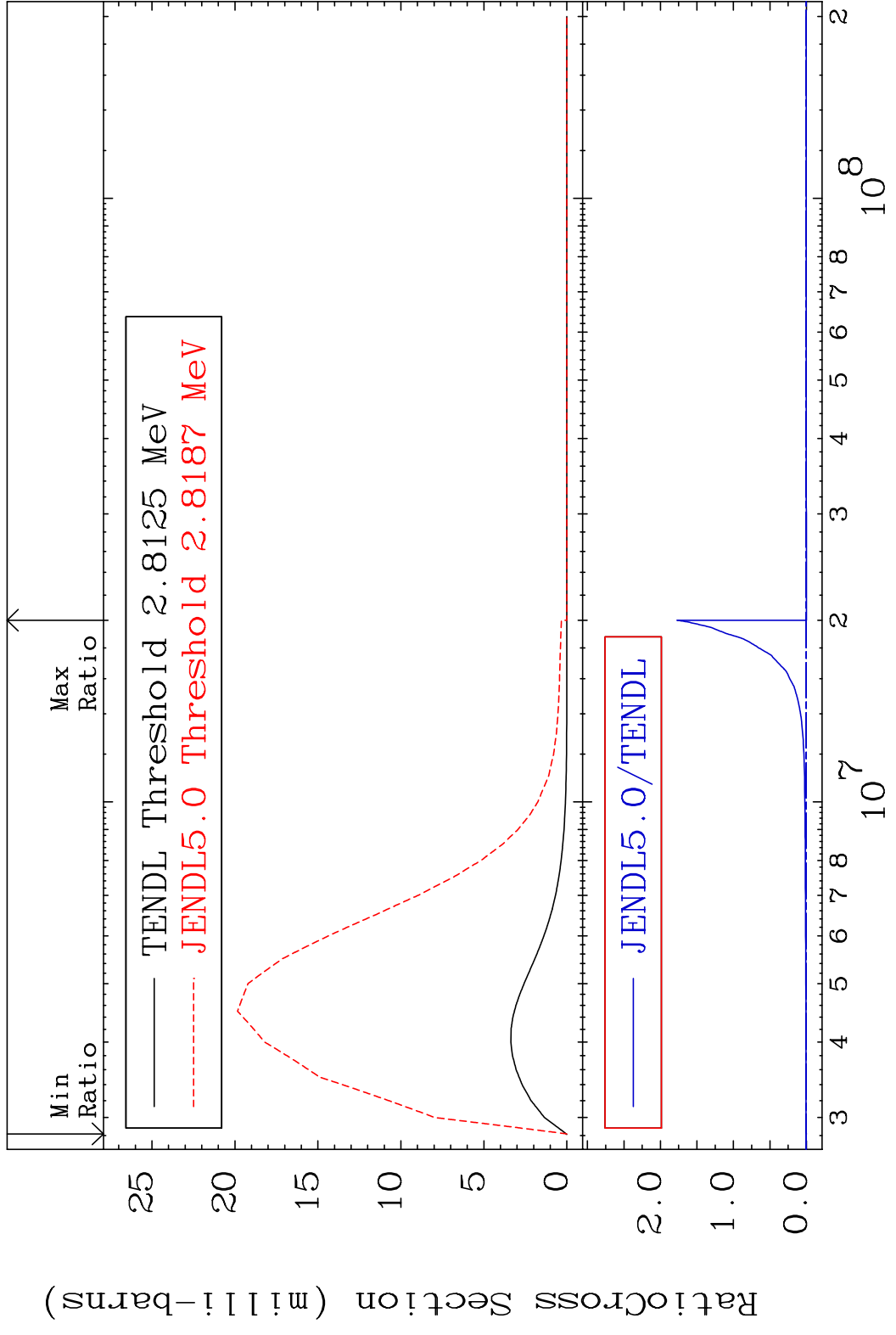
MAT 2034 MT= 70 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 566.9 %



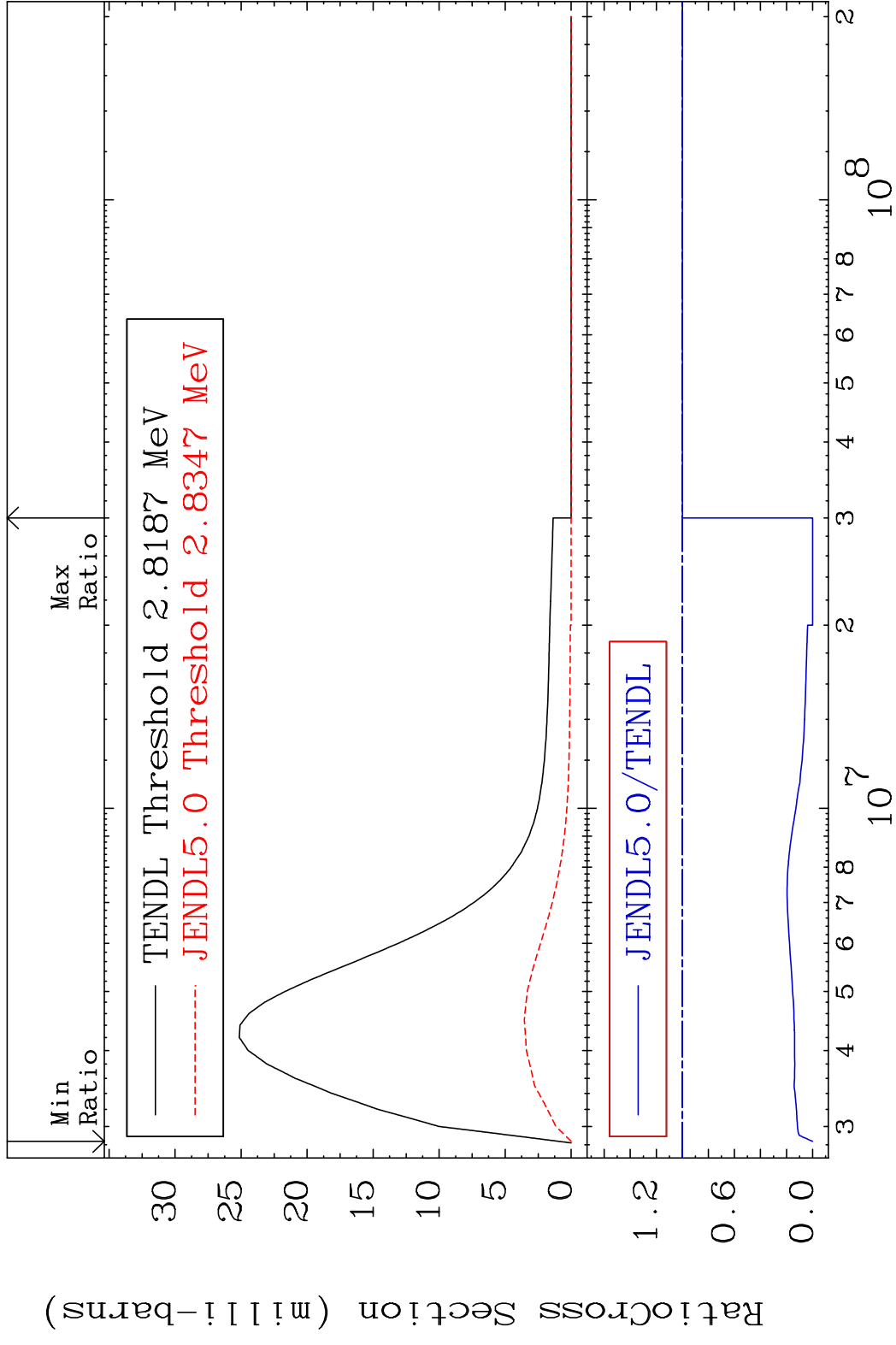
MAT 2034 MT= 71 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



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

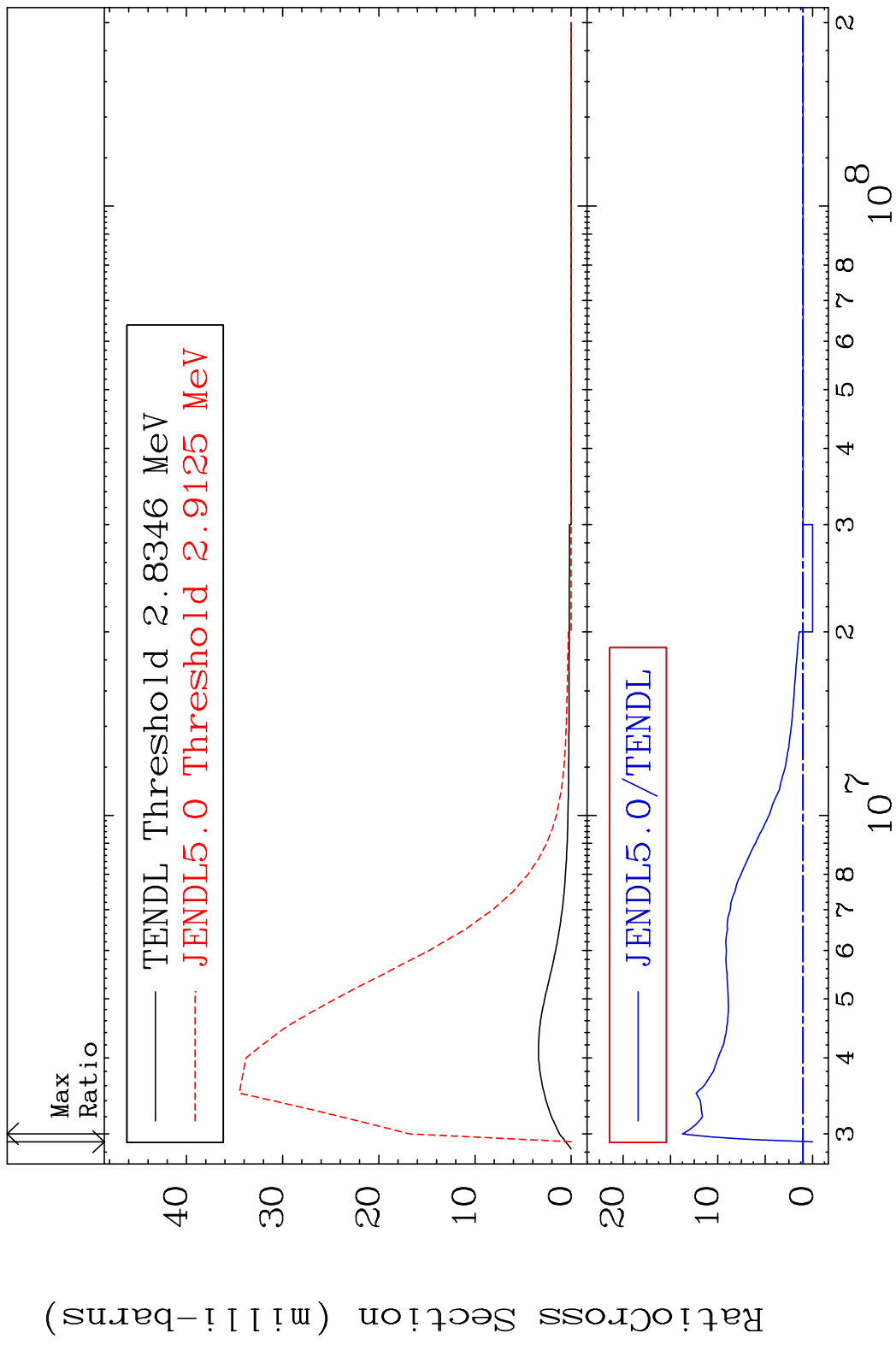


MAT 2034 MT= 73 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %

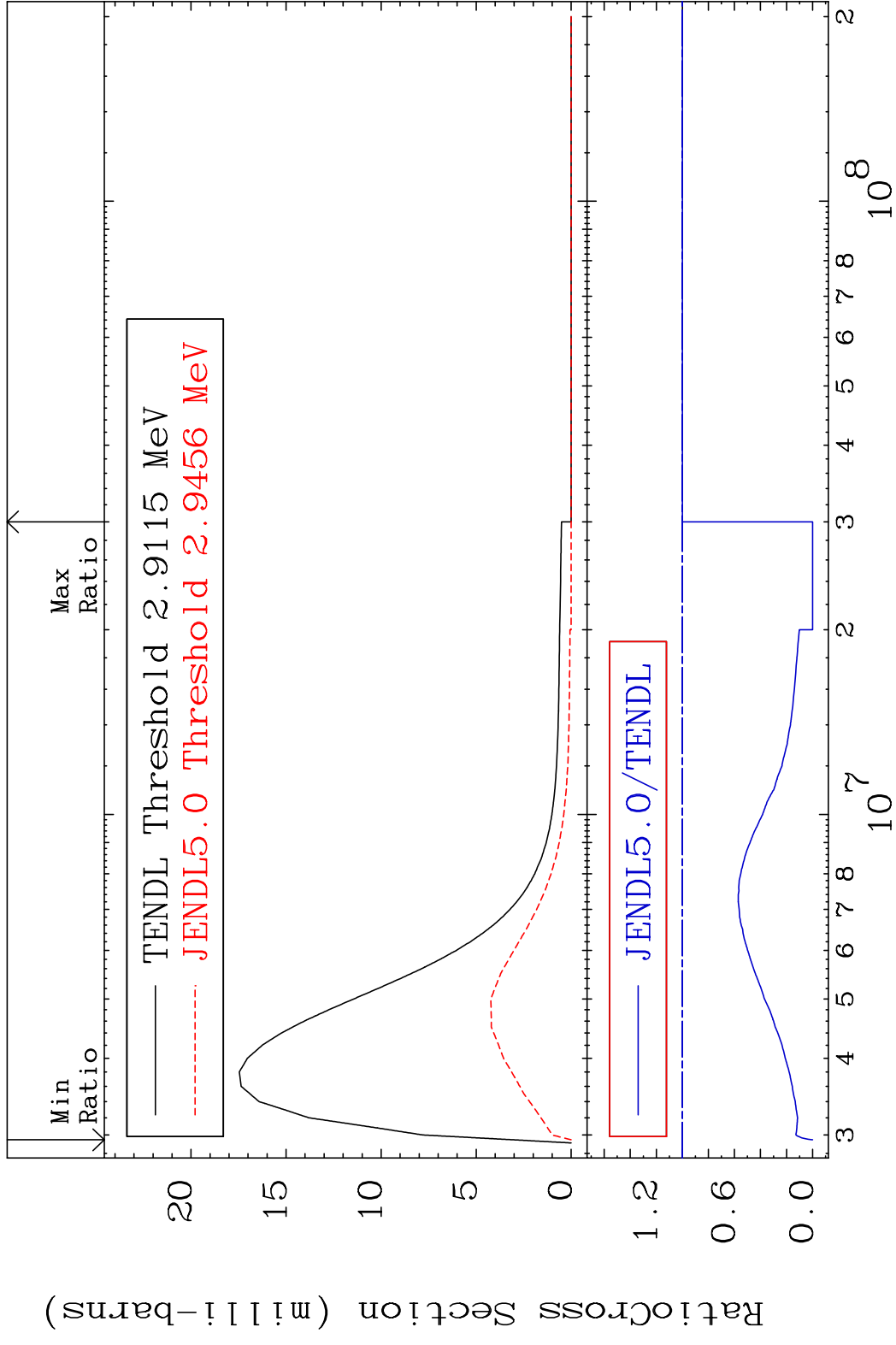




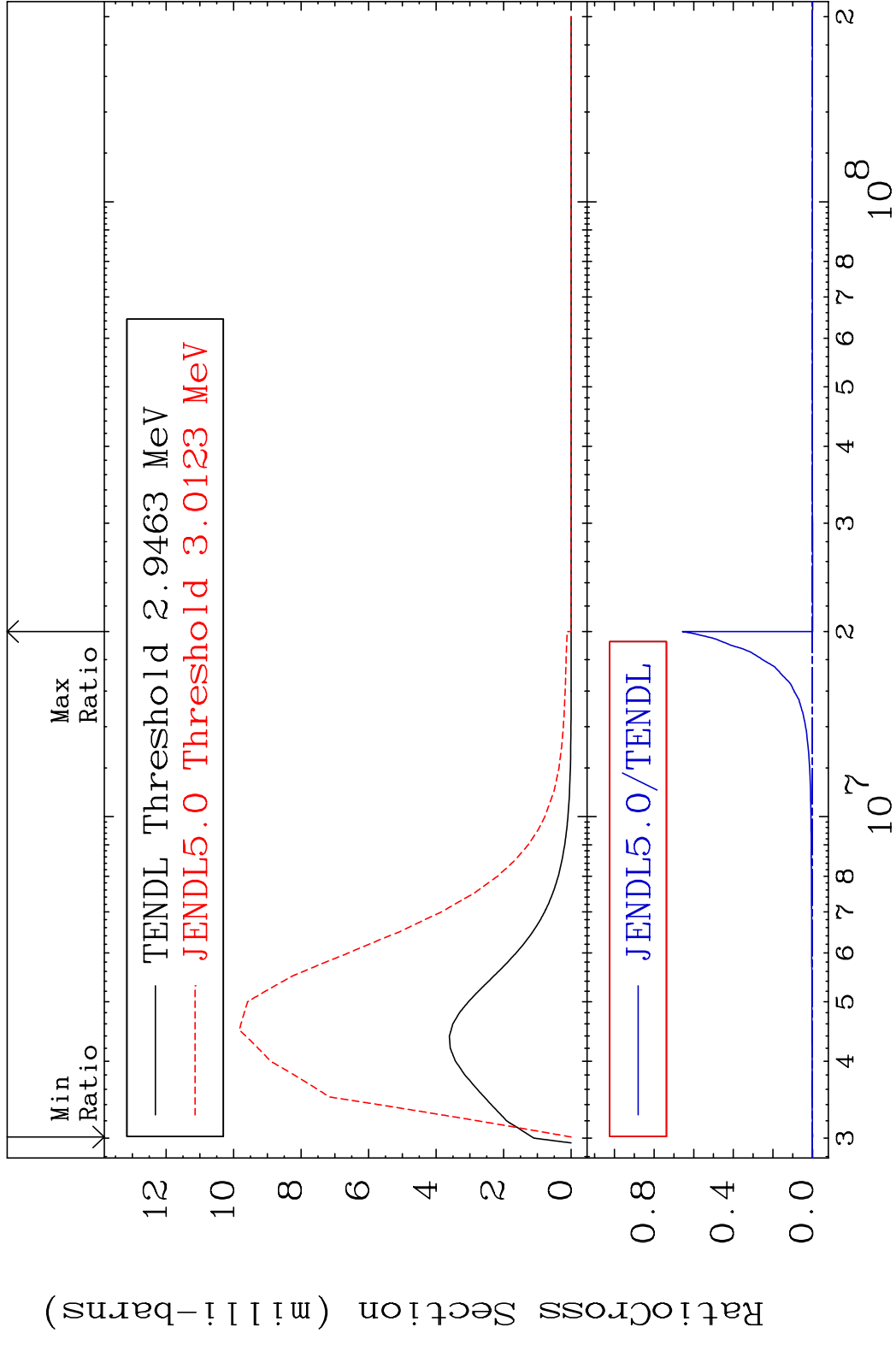
MAT 2034 MT= 74 (n,n') Level 20-Ca-43  
 Cross Section -100.0 To 1275. %



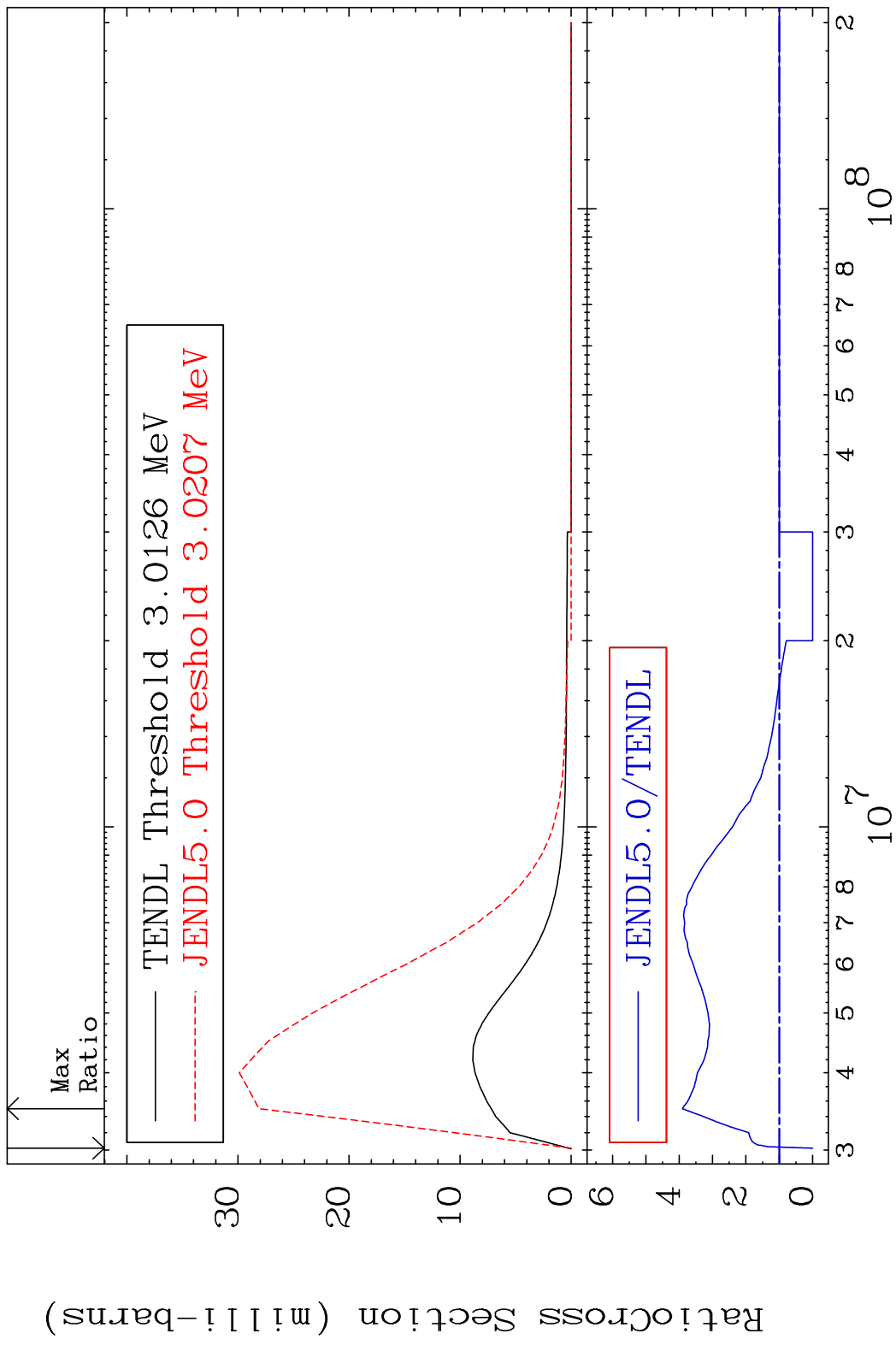
MAT 2034 MT= 75 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 0.000 %



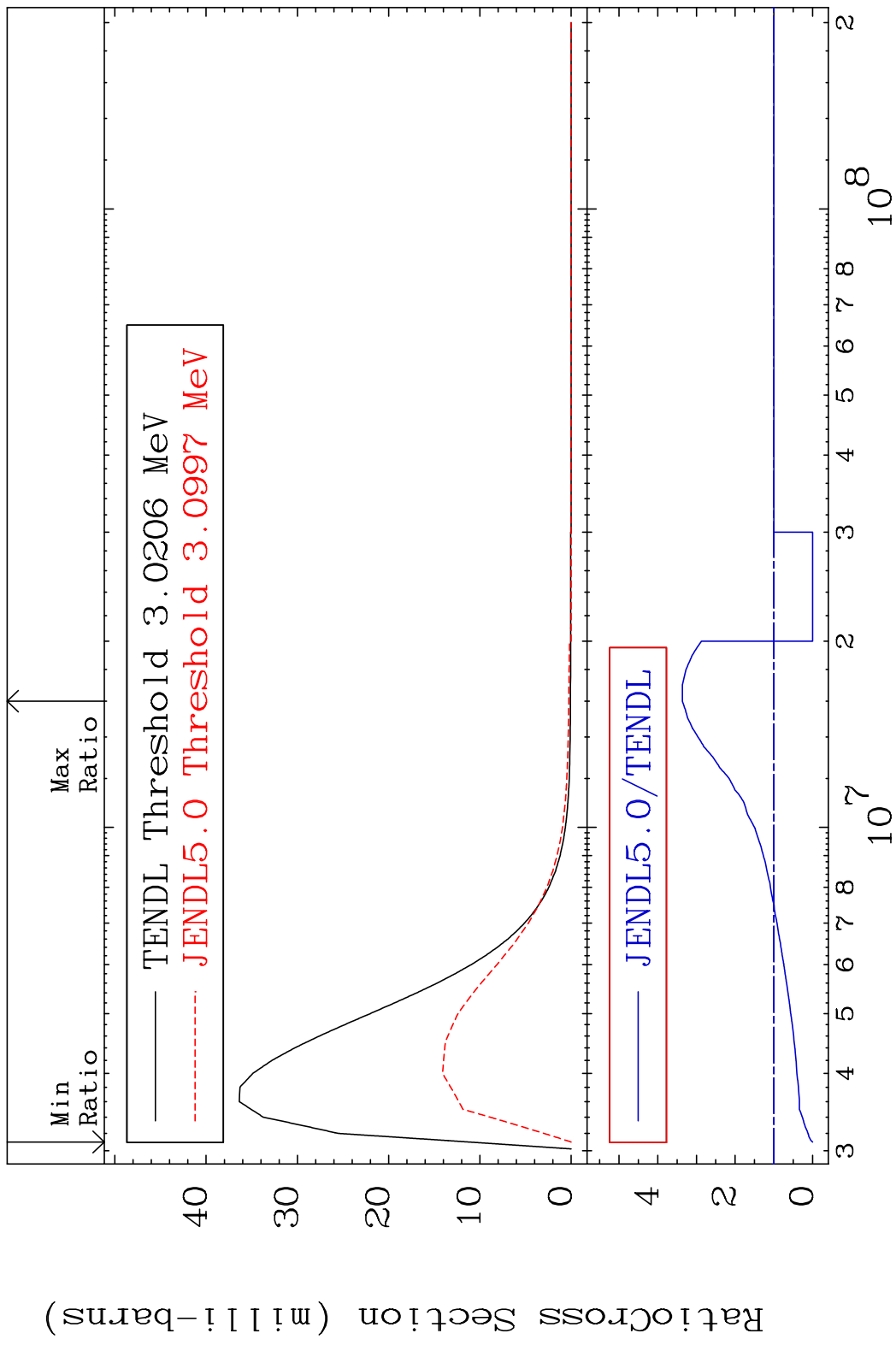
MAT 2034 MT= 76 (n,n') Level 20-Ca-43  
 Cross Section -100.0 To 9999. %



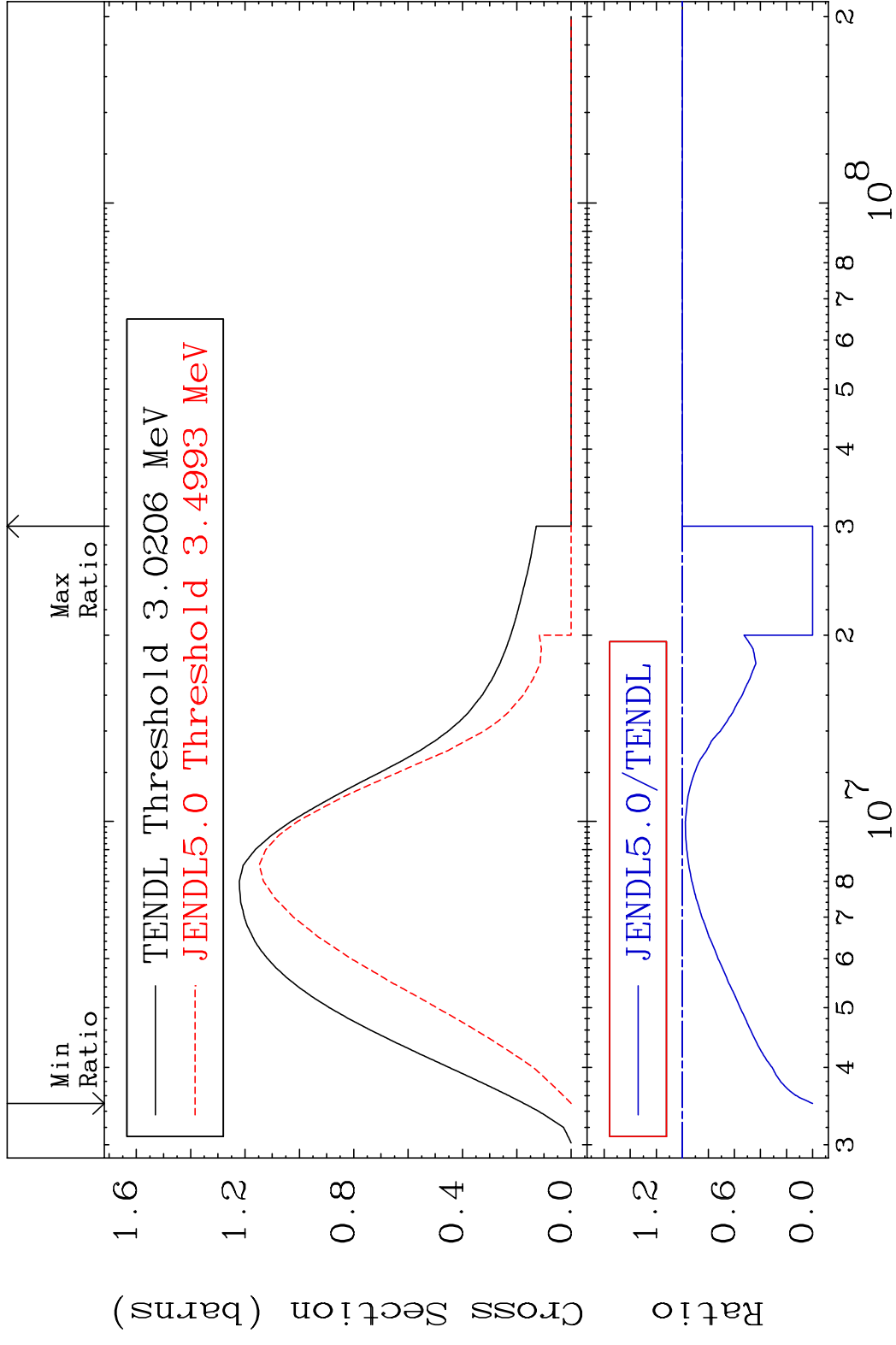
MAT 2034 MT= 77 (n,n') Level 20-Ca-43  
 Cross Section -100.0 To 290.6 %



MAT 2034 MT= 78 (n, n') Level 20-Ca-43  
 Cross Section -100.0 To 236.3 %



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

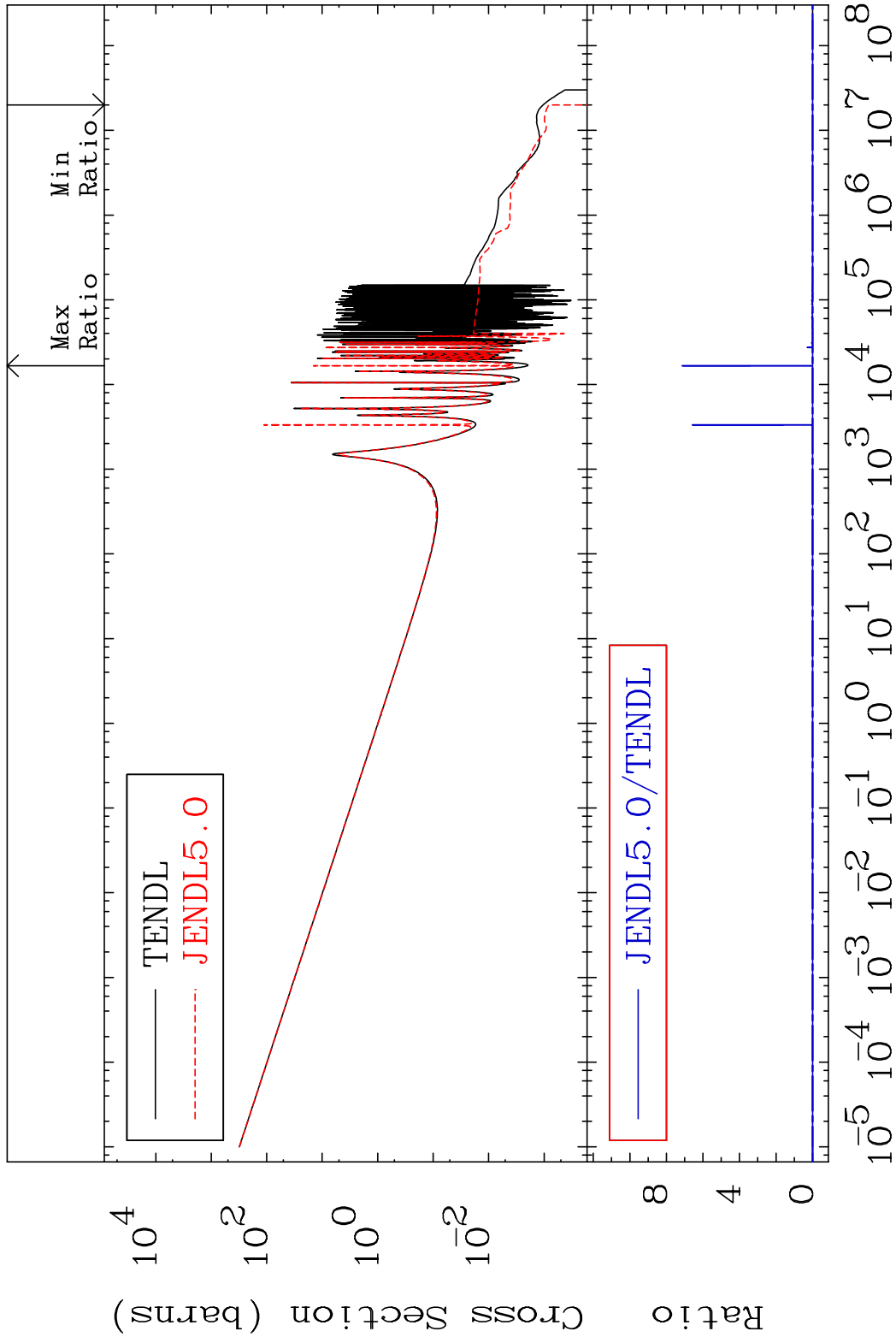


MAT 2034

(n,  $\gamma$ )

20-Ca-43

Cross Section -100.0 To 9999. %

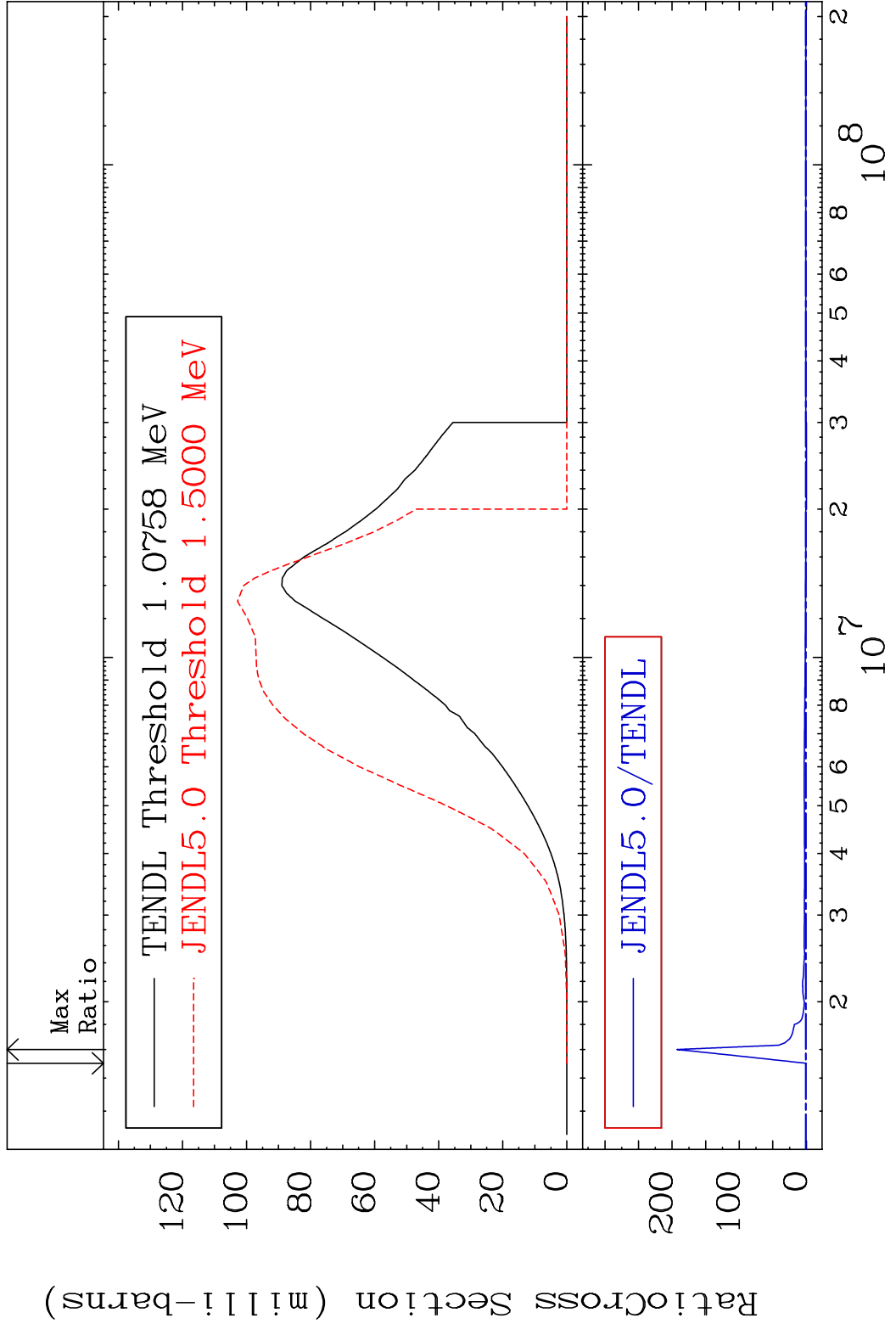


38

Incident Energy (eV)

20-Ca-43

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



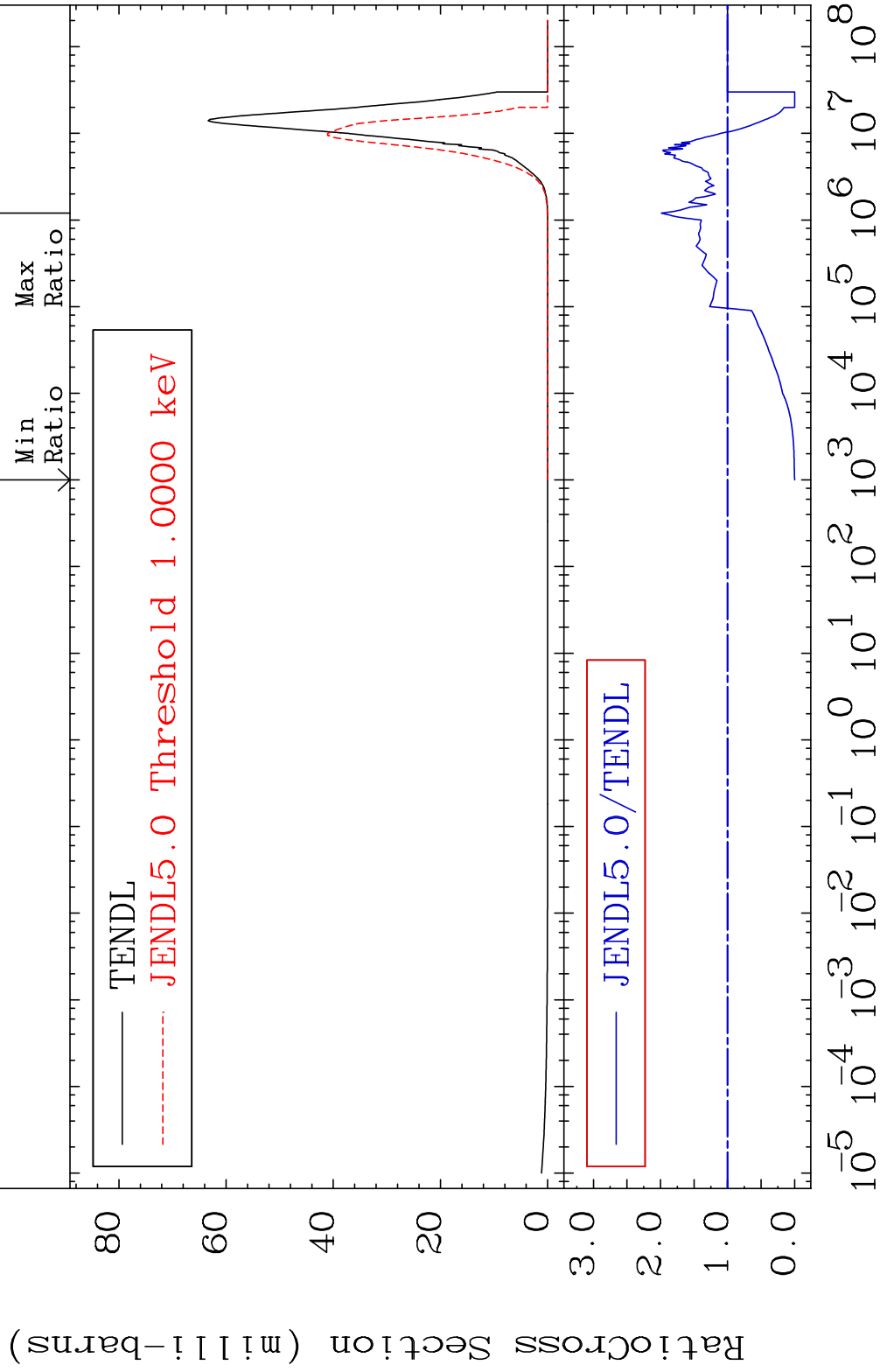


MAT 2034

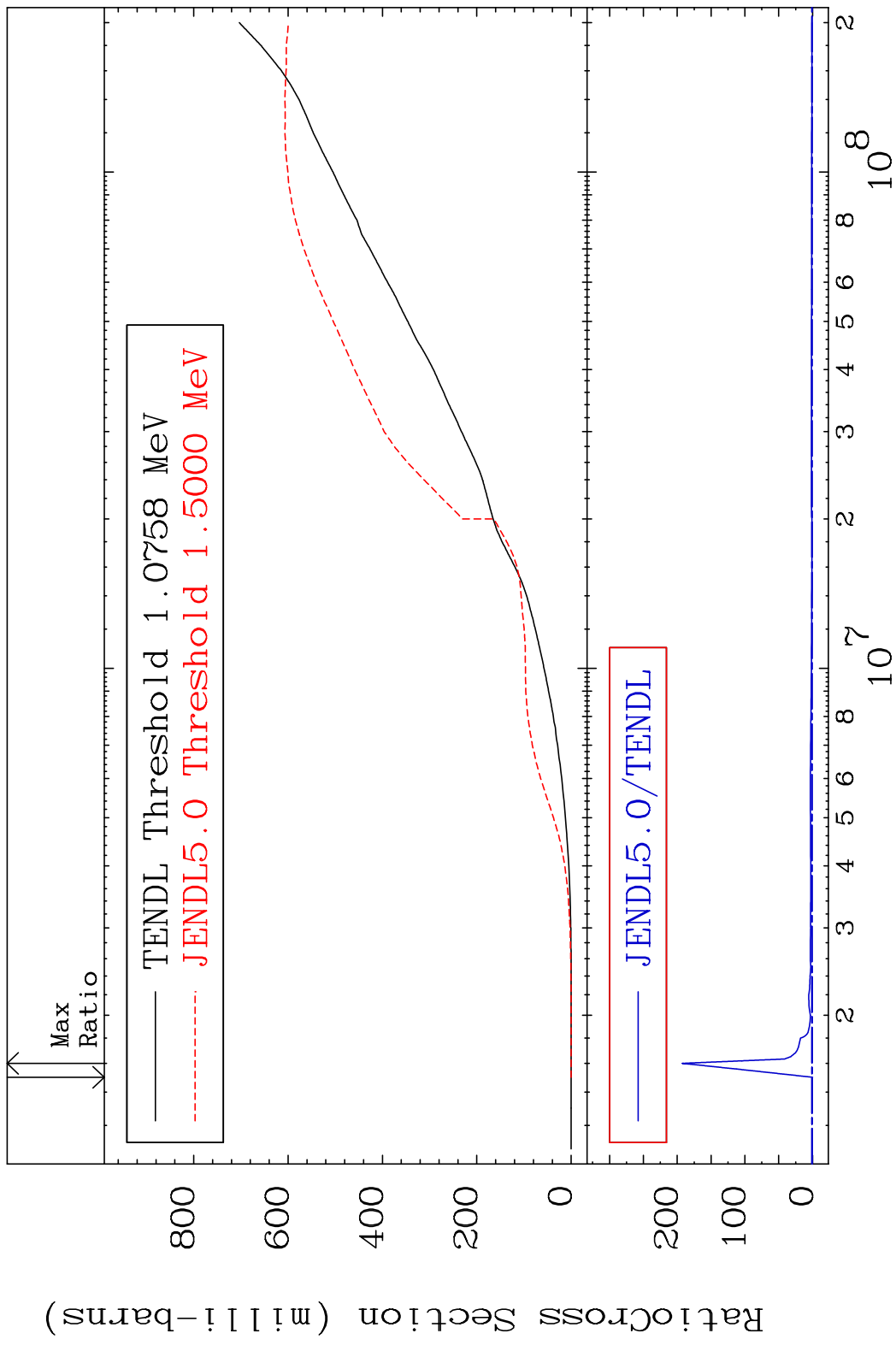
(n,  $\alpha$ )

20-Ca-43

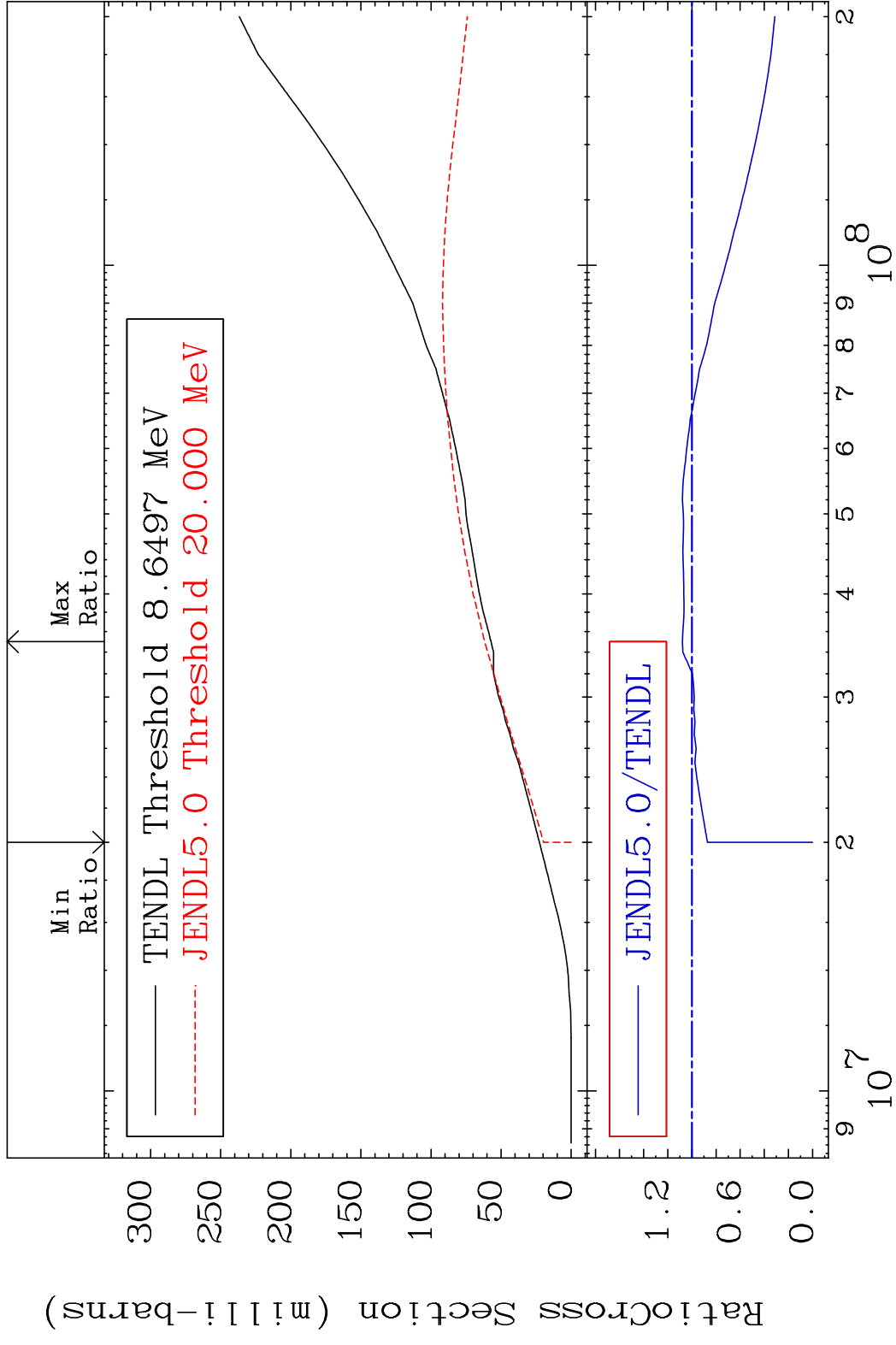
Cross Section -100.0 To 98.66 %



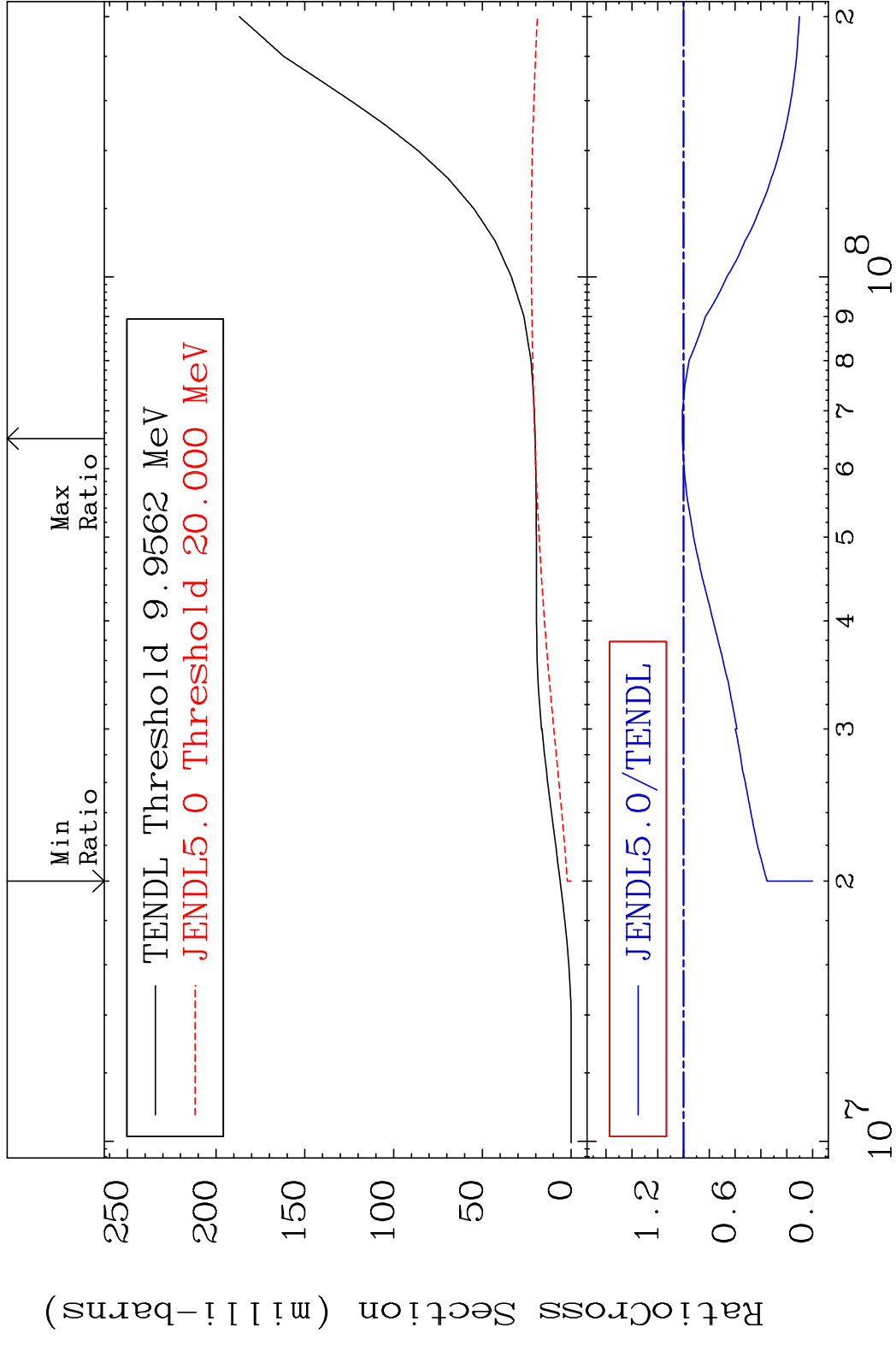
MAT 2034 Hydrogen Production 20-Ca-43  
 Cross Section -100.0 To 9999. %



MAT 2034 Deuterium Production 20-Ca-43  
 Cross Section -100.0 To 7.934 %



MAT 2034 Tritium Production 20-Ca-43  
 Cross Section -100.0 To 0.898 %



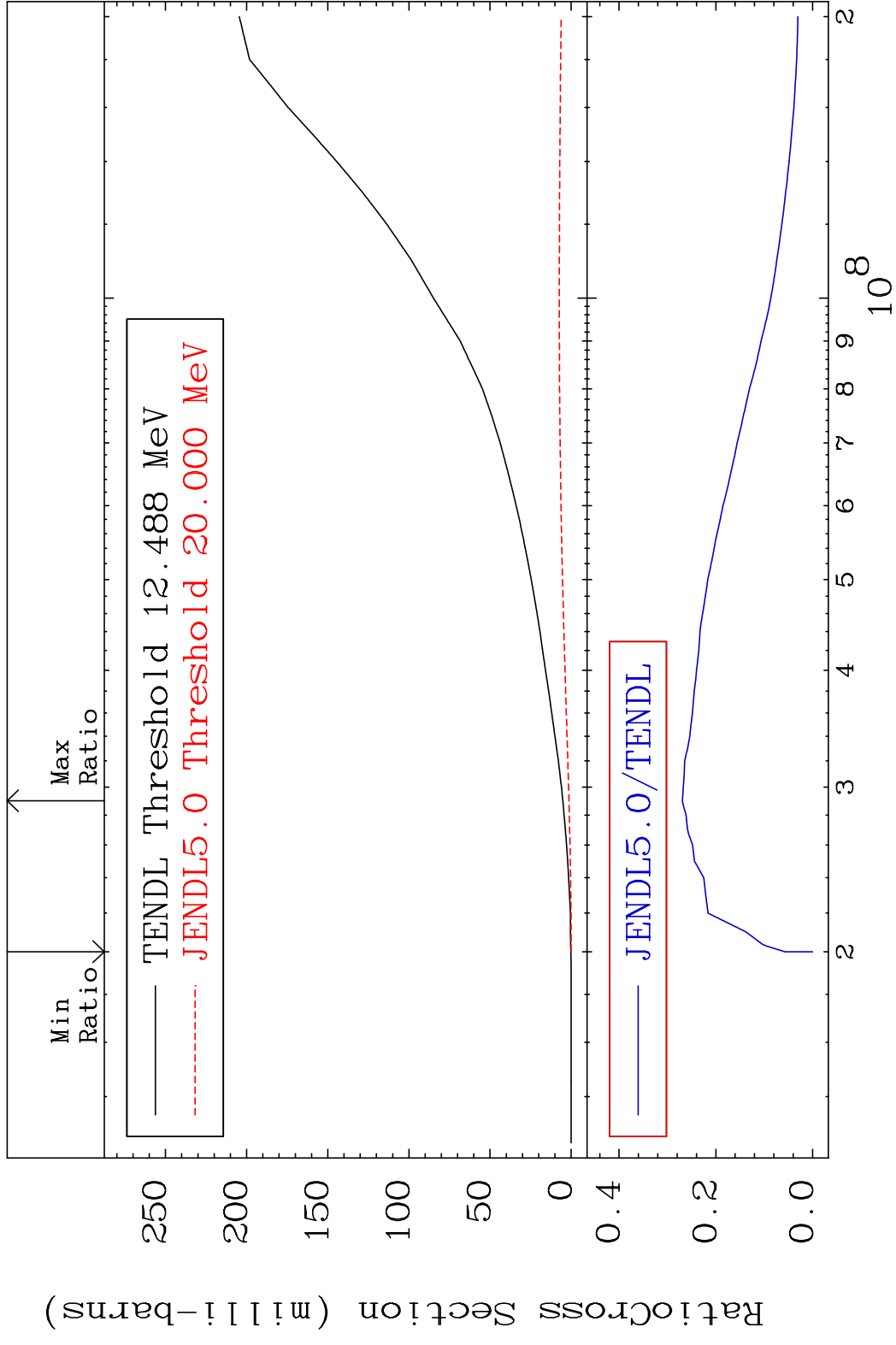
43 Incident Energy (eV) 20-Ca-43

MAT 2034

He-3 Production

20-Ca-43

Cross Section -100.0 To -73.08%



44

Incident Energy (eV)

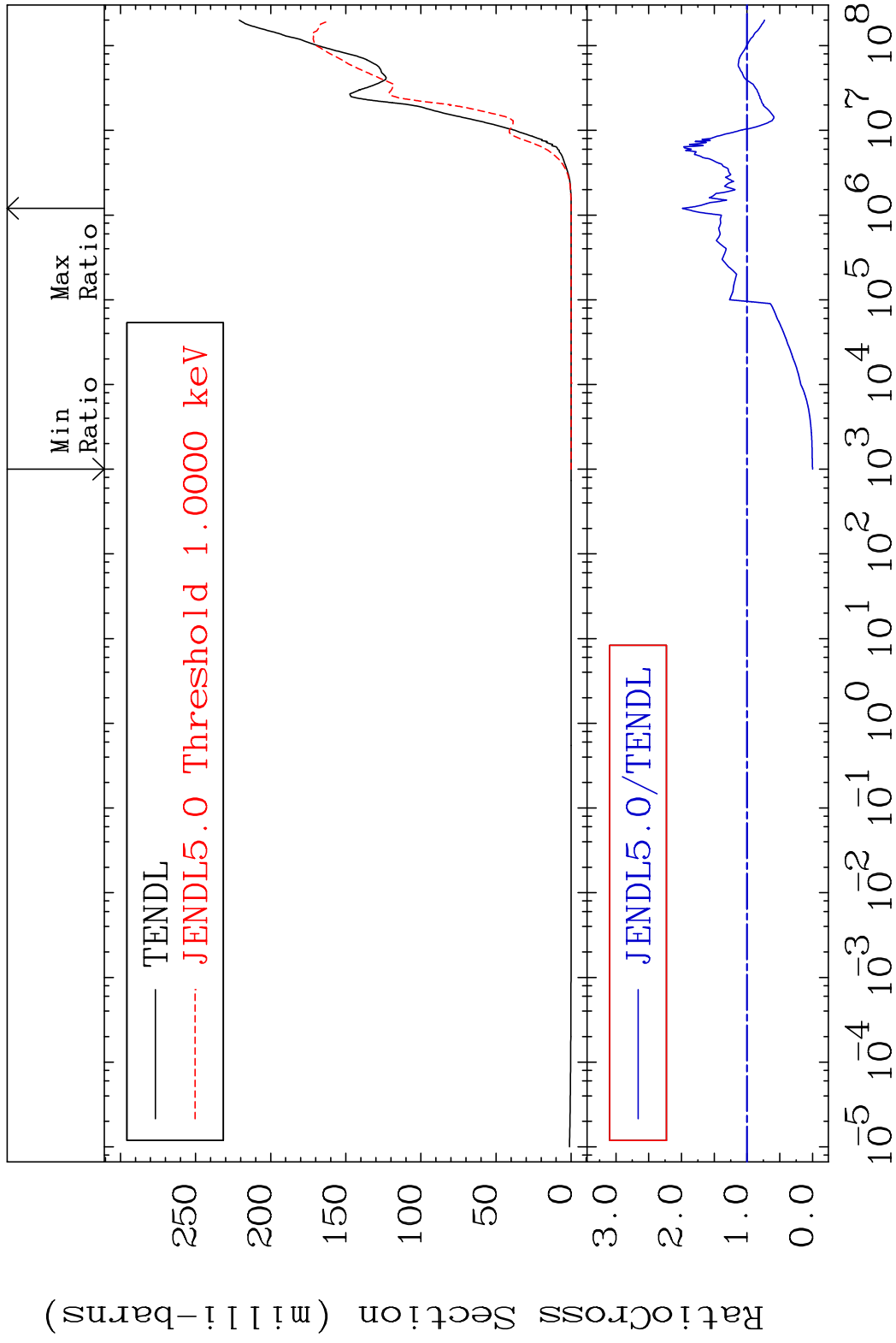
20-Ca-43

MAT 2034

He-4 Production

20-Ca-43

Cross Section -100.0 To 98.66 %

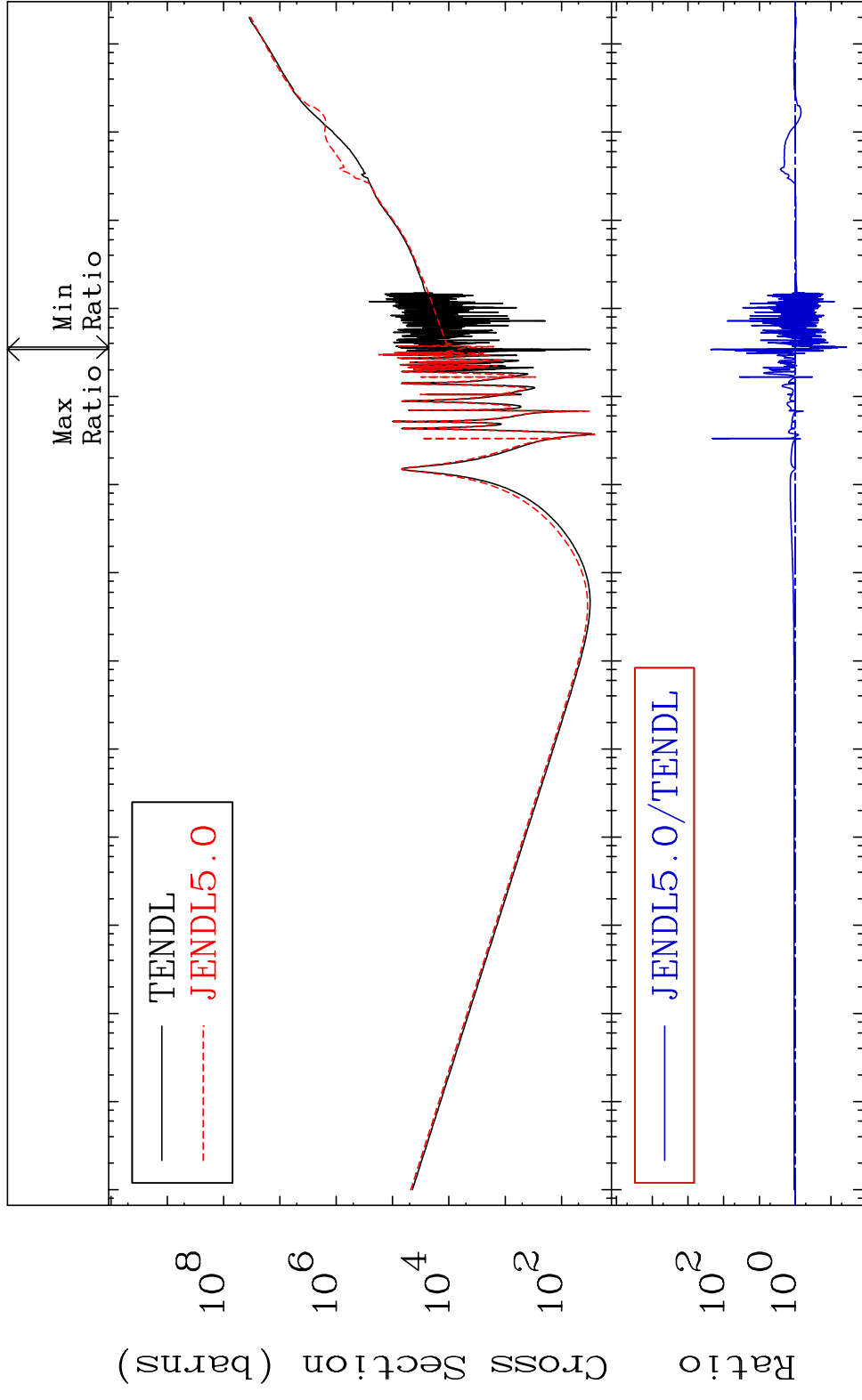


45

Incident Energy (eV)

20-Ca-43

MAT 2034 Kerma total (eV-barns) 20-Ca-43  
 Cross Section -96.31 To 9999. %



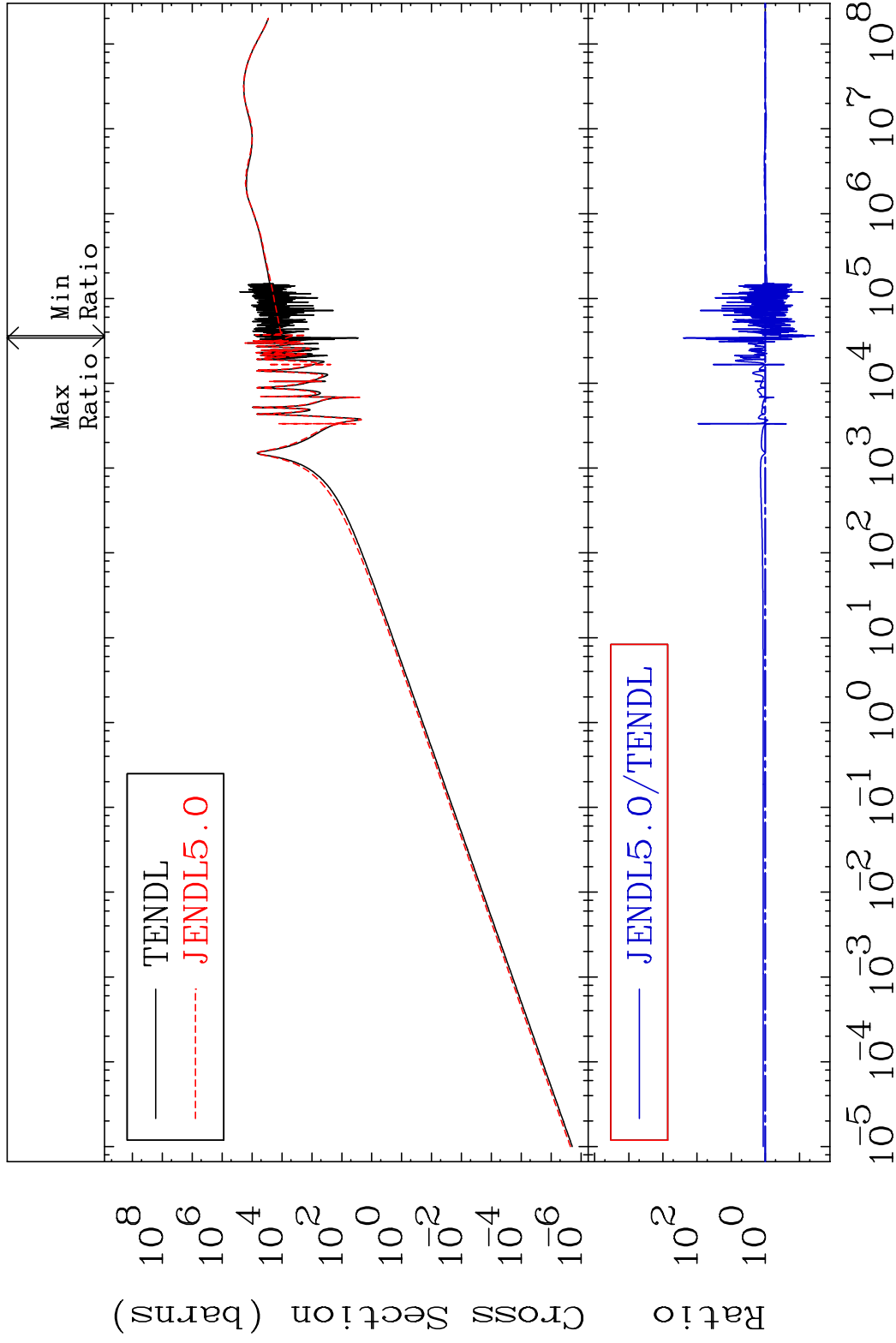
46 Incident Energy (eV) 20-Ca-43

MAT 2034

Kerma elastic

20-Ca-43

Cross Section -96.28 To 9999. %



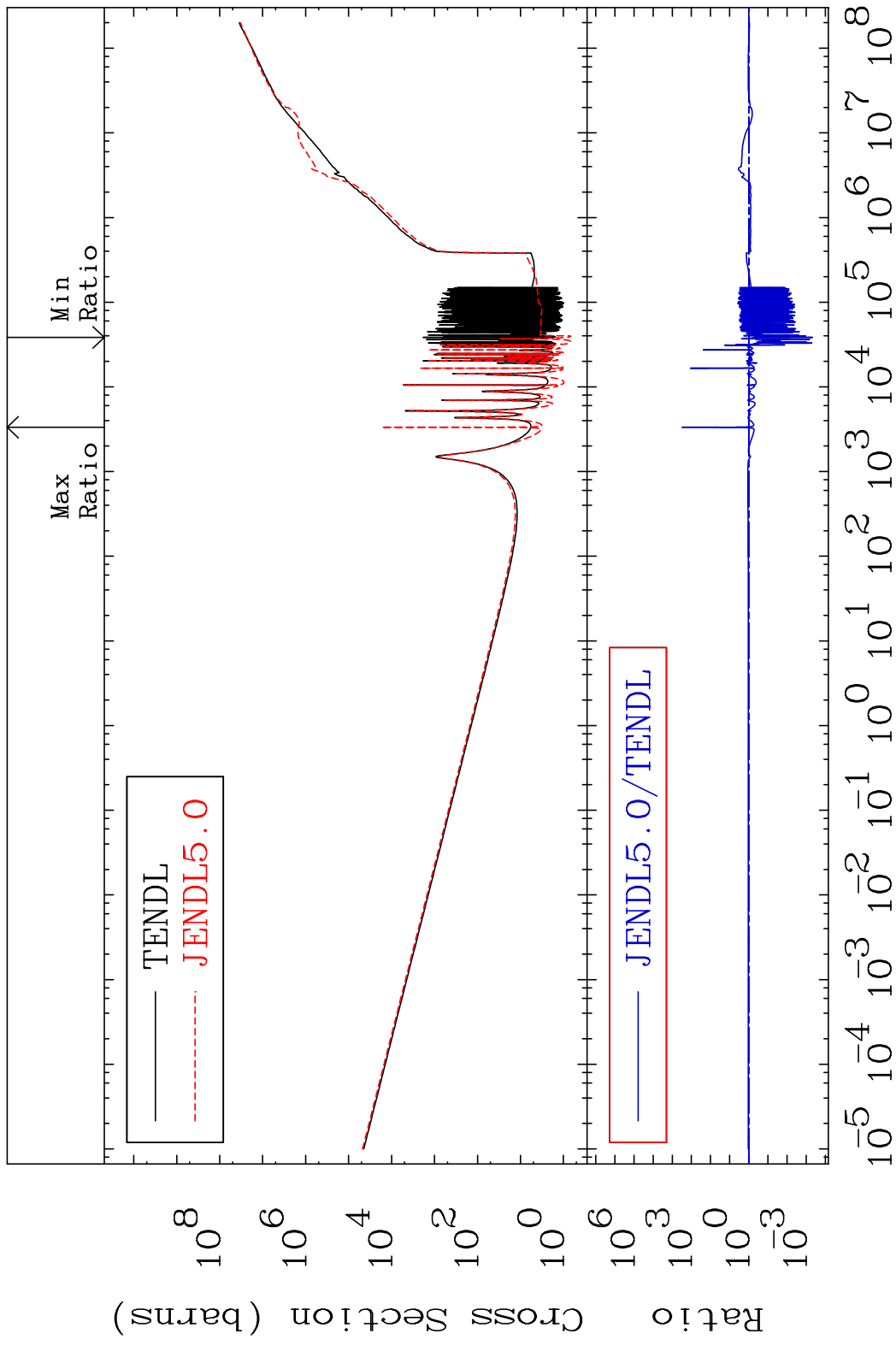
47

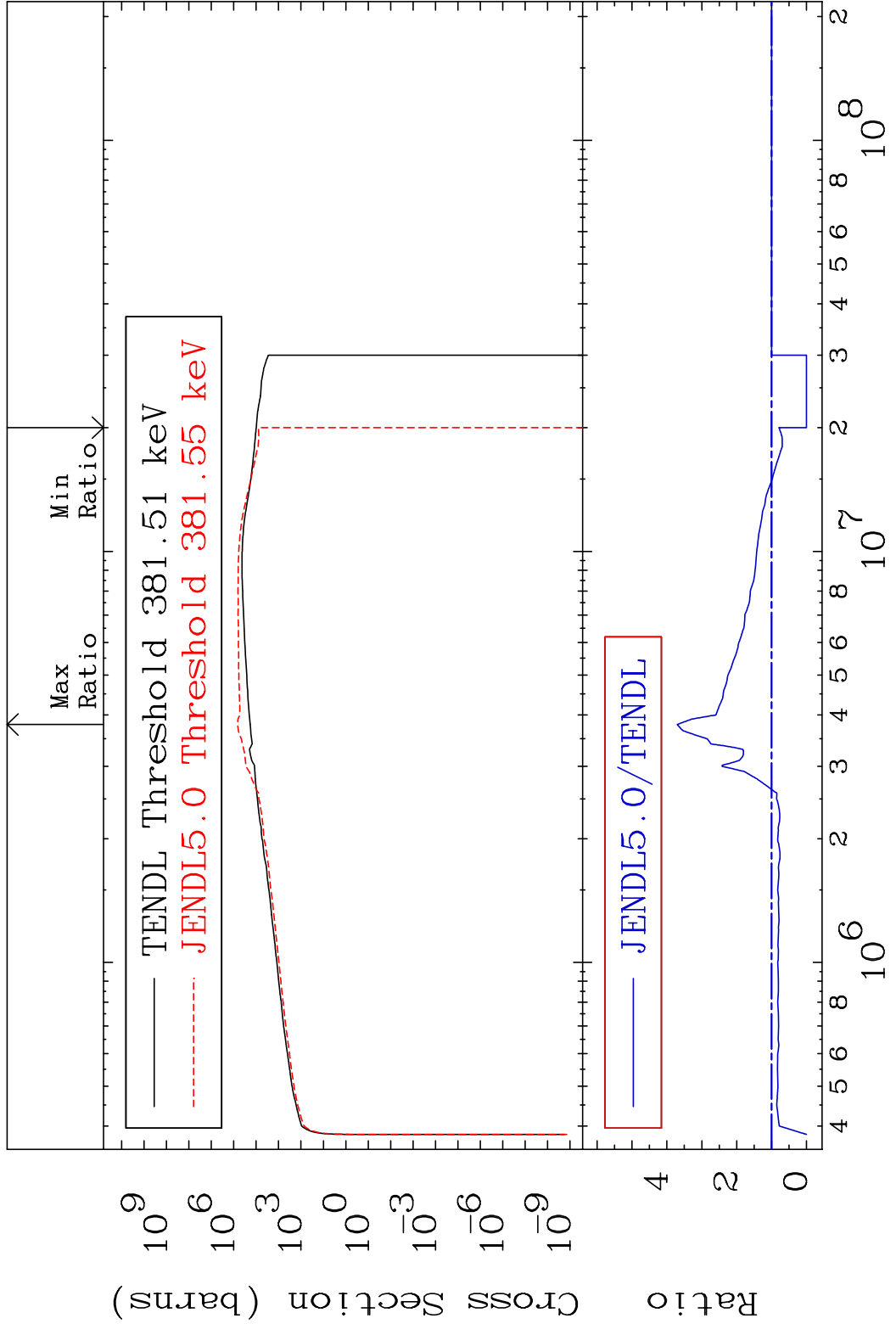
Incident Energy (eV)

20-Ca-43

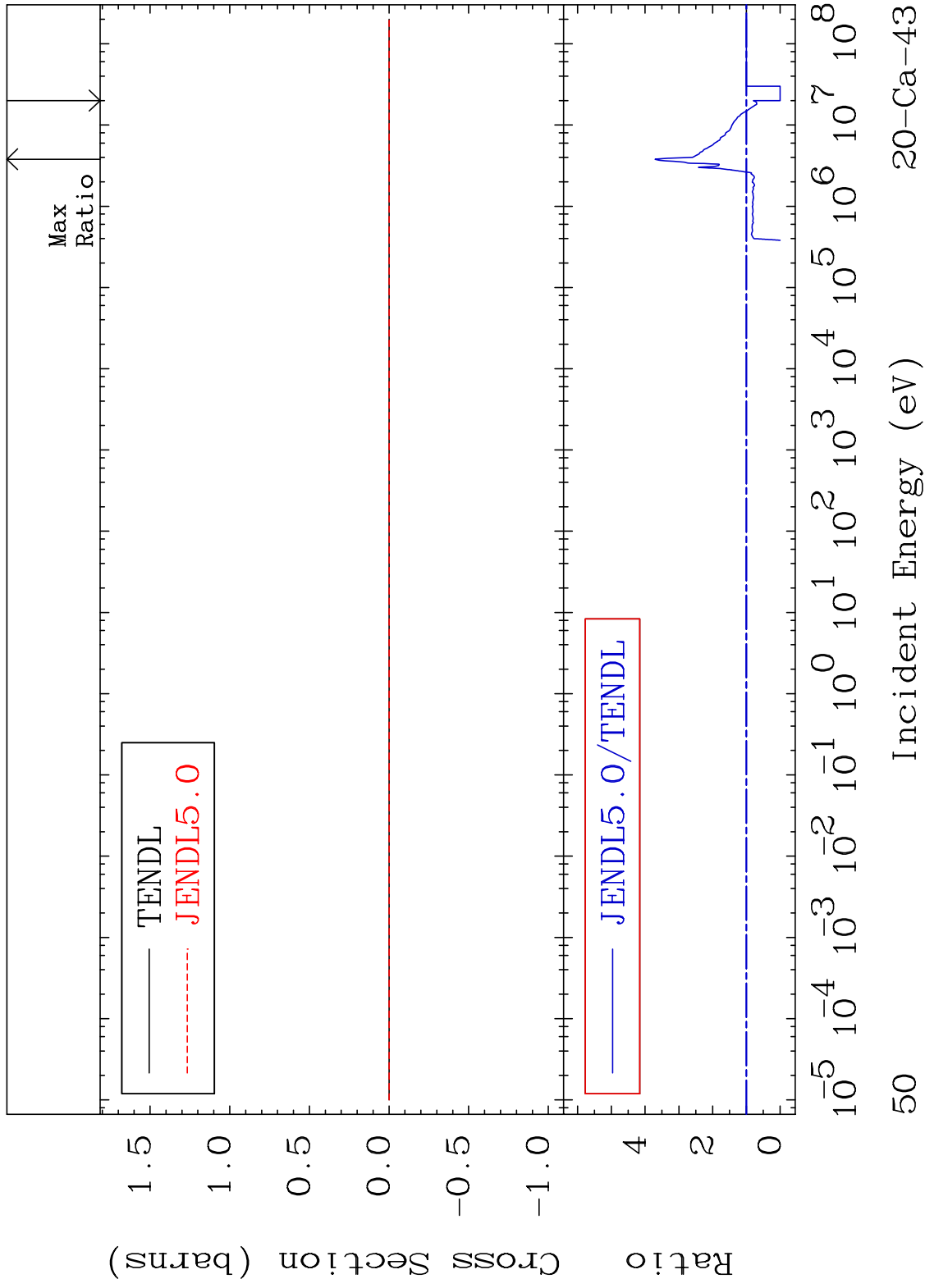


MAT 2034 Kerma non-elastic (all but mt2) 20-Ca-43  
Cross Section -99.95 To 9999. %



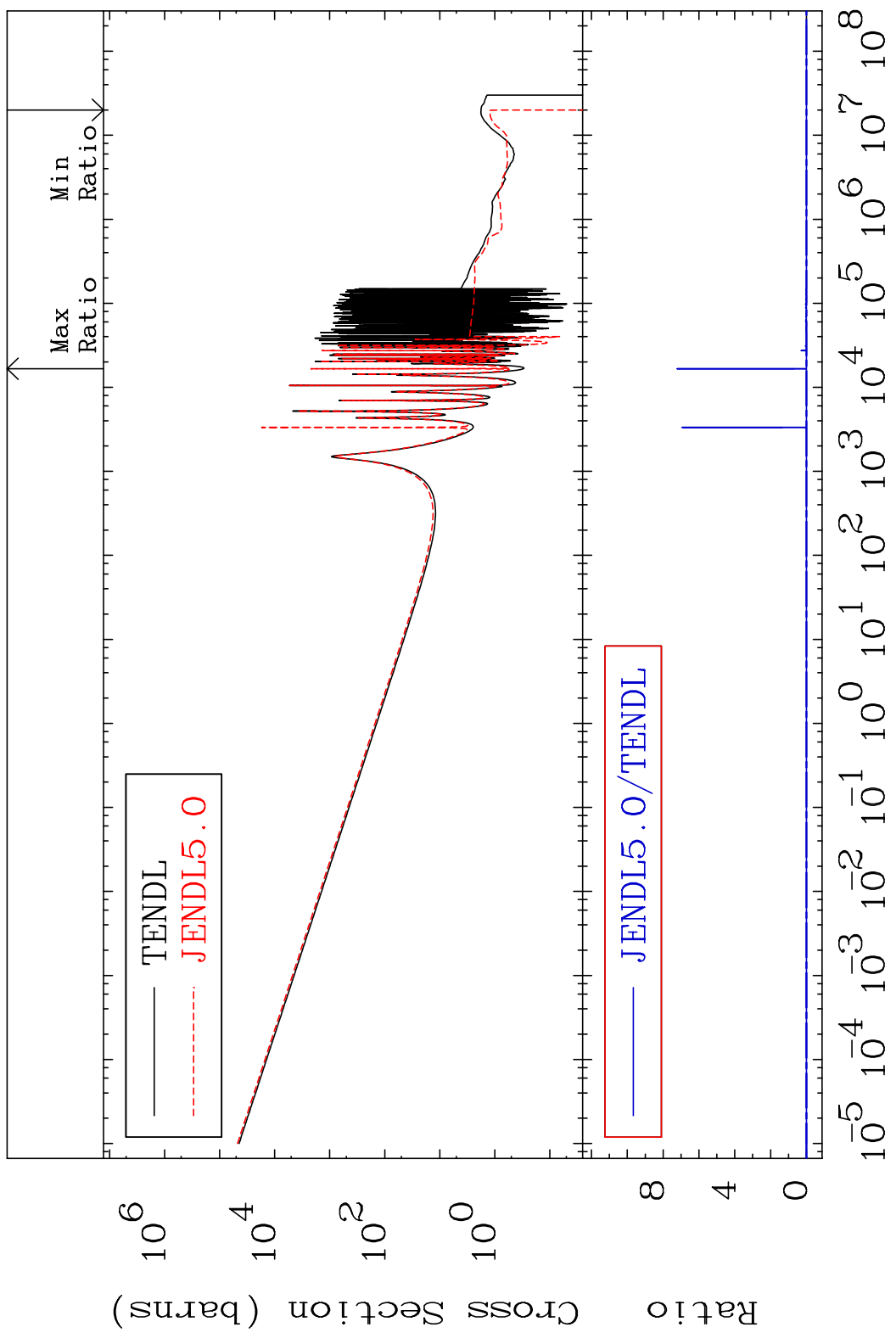


MAT 2034 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-43  
Cross Section -100.0 To 270.5 %



MAT 2034

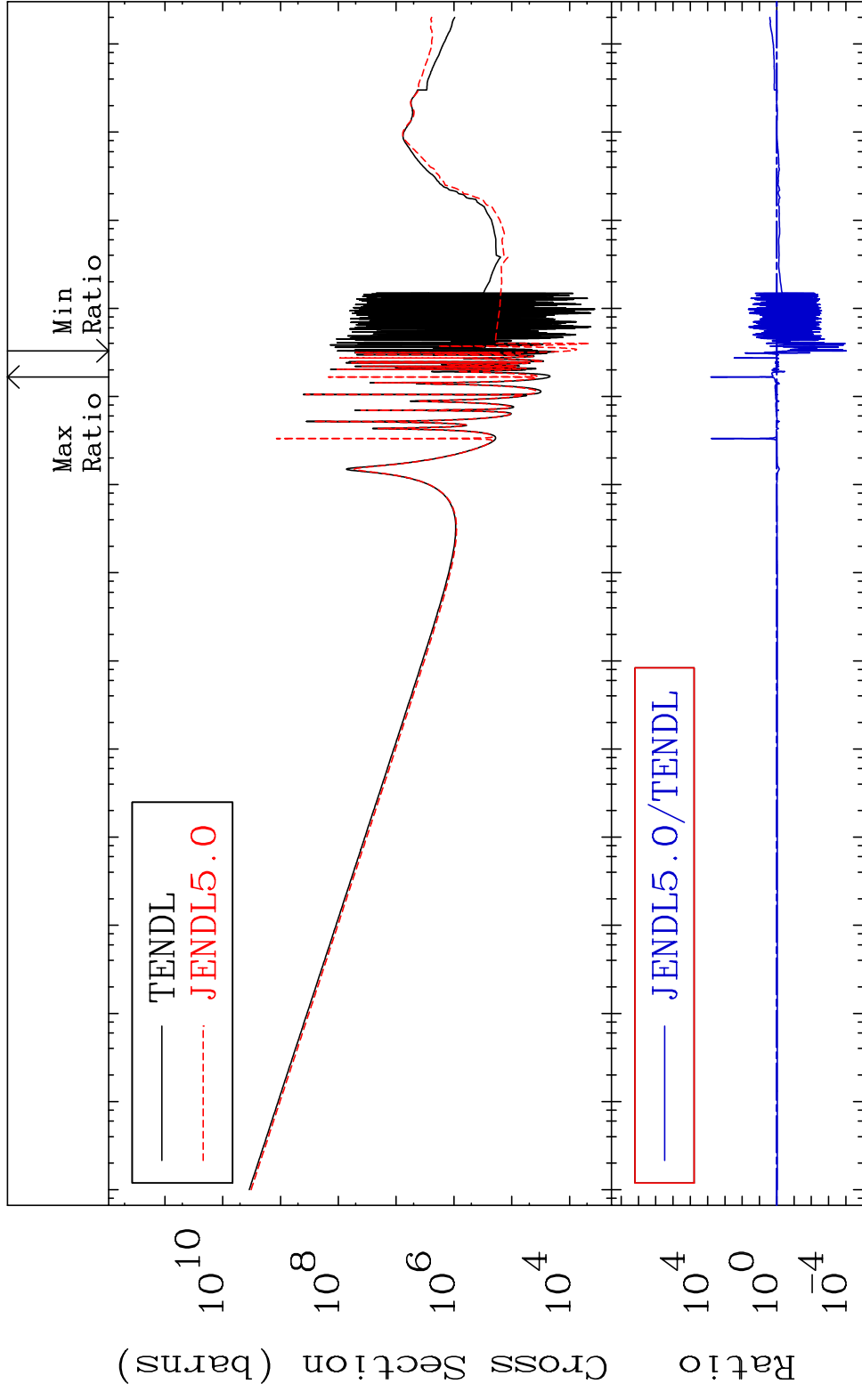
Kerma capture (mt102) 20-Ca-43  
Cross Section -100.0 To 9999. %



51

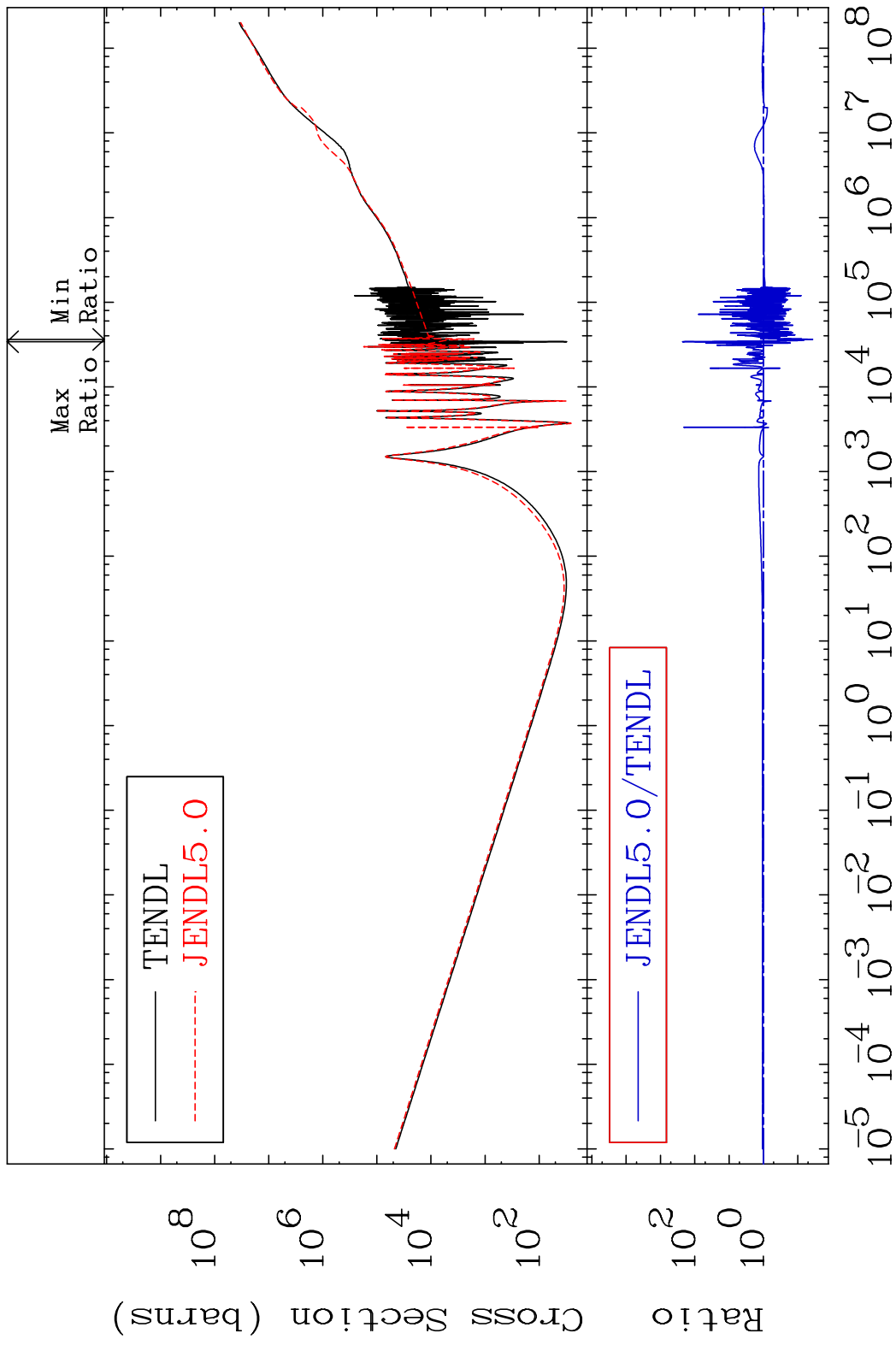
Incident Energy (eV) 20-Ca-43

MAT 2034 Total photon (eV-barns) 20-Ca-43  
 Cross Section -99.99 To 9999. %



52 Incident Energy (eV) 20-Ca-43

MAT 2034 Total kinematic kerma (high limit) 20-Ca-43  
 Cross Section -96.31 To 9999. %

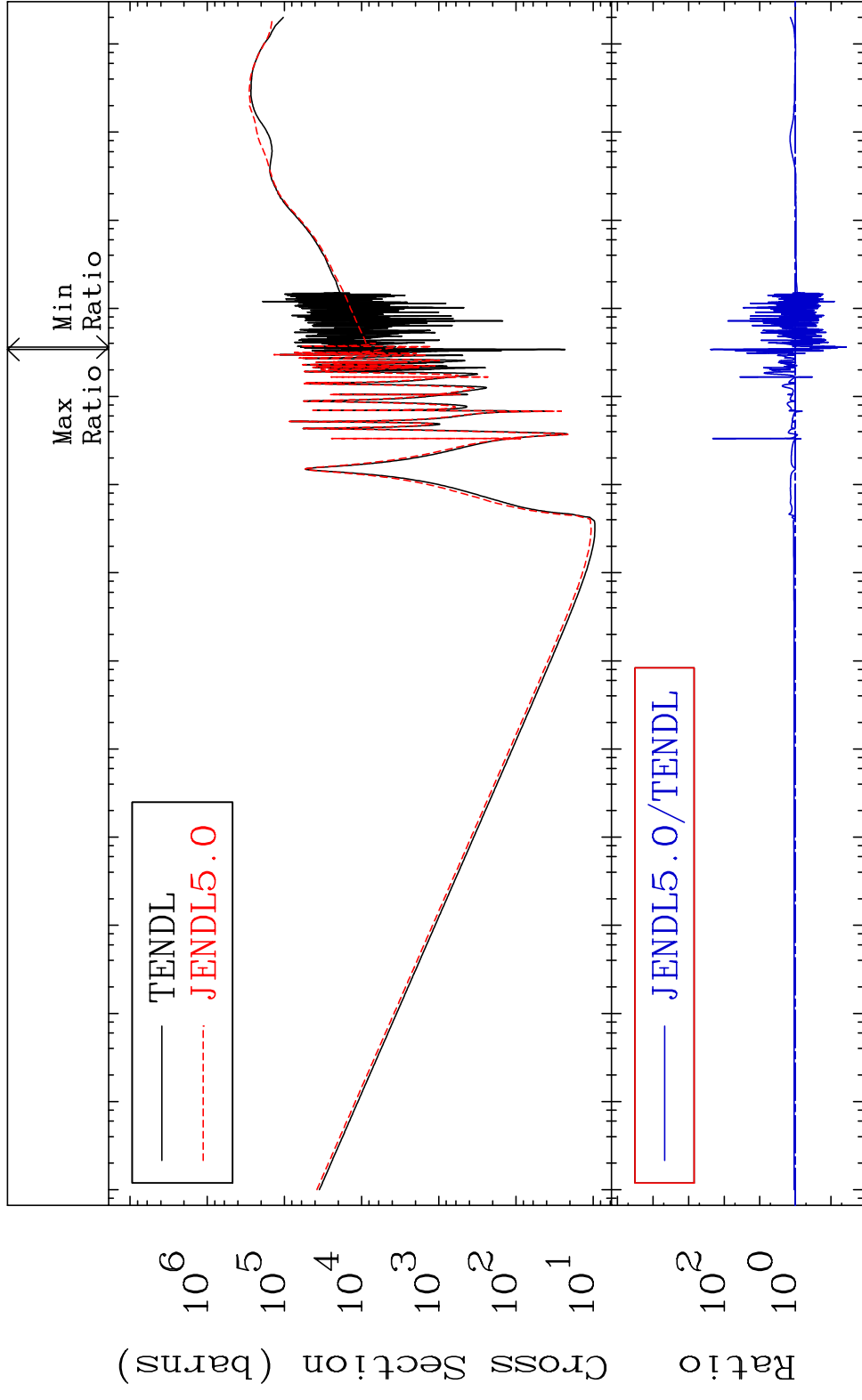


MAT 2034

Dpa total (eV-barns)

20-Ca-43

Cross Section -96.32 To 9999. %



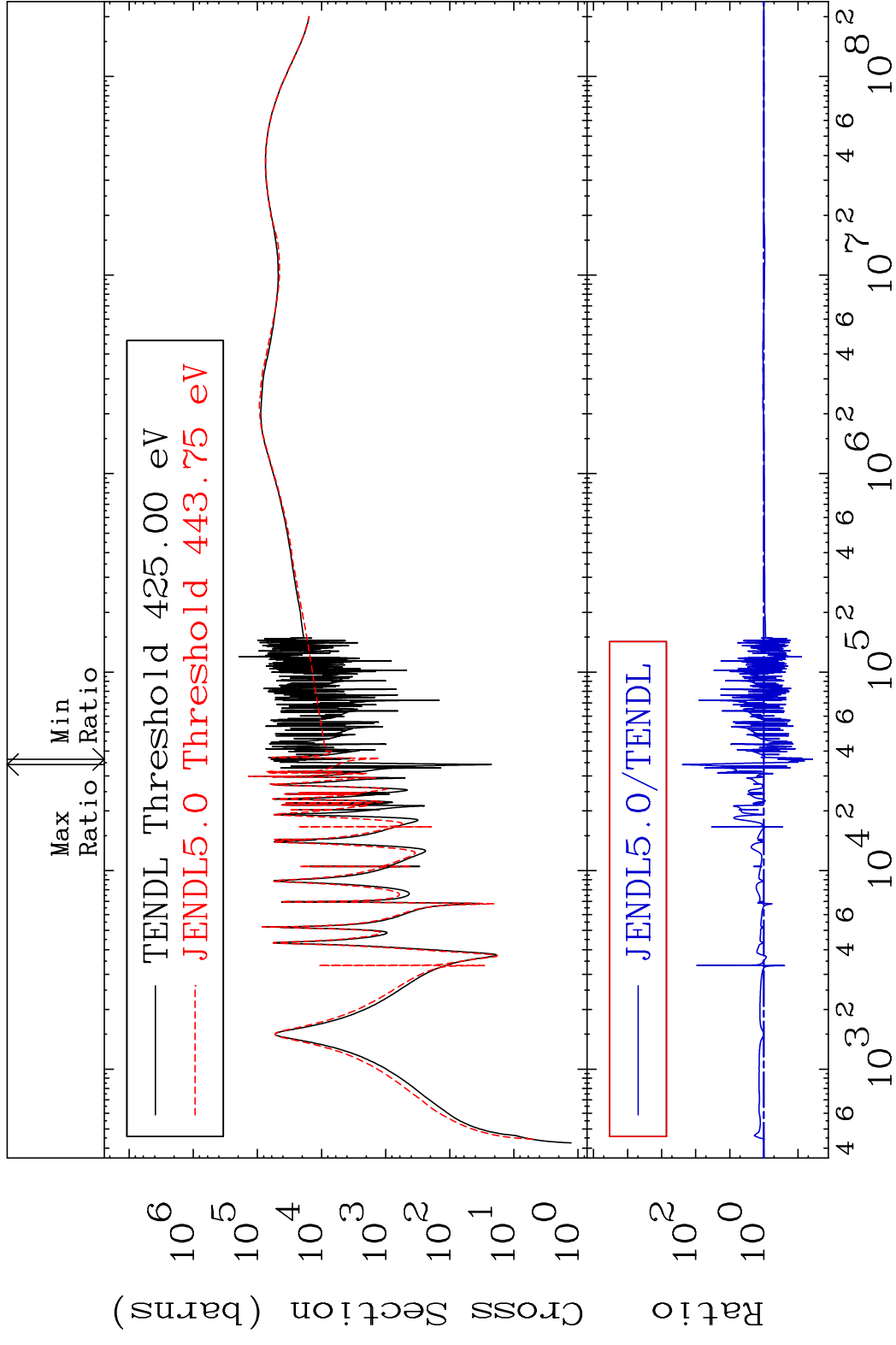
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

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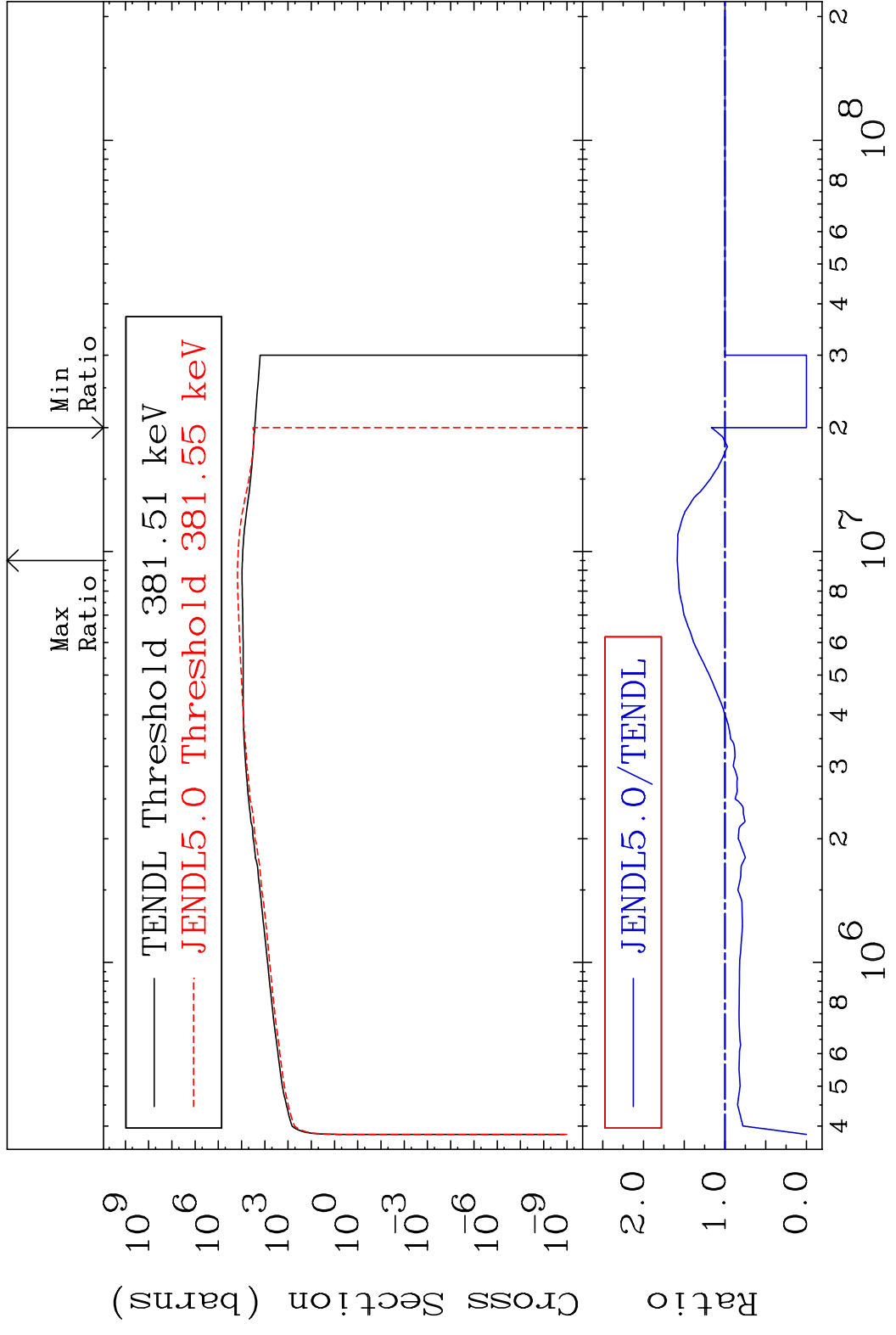
Incident Energy (eV)

20-Ca-43

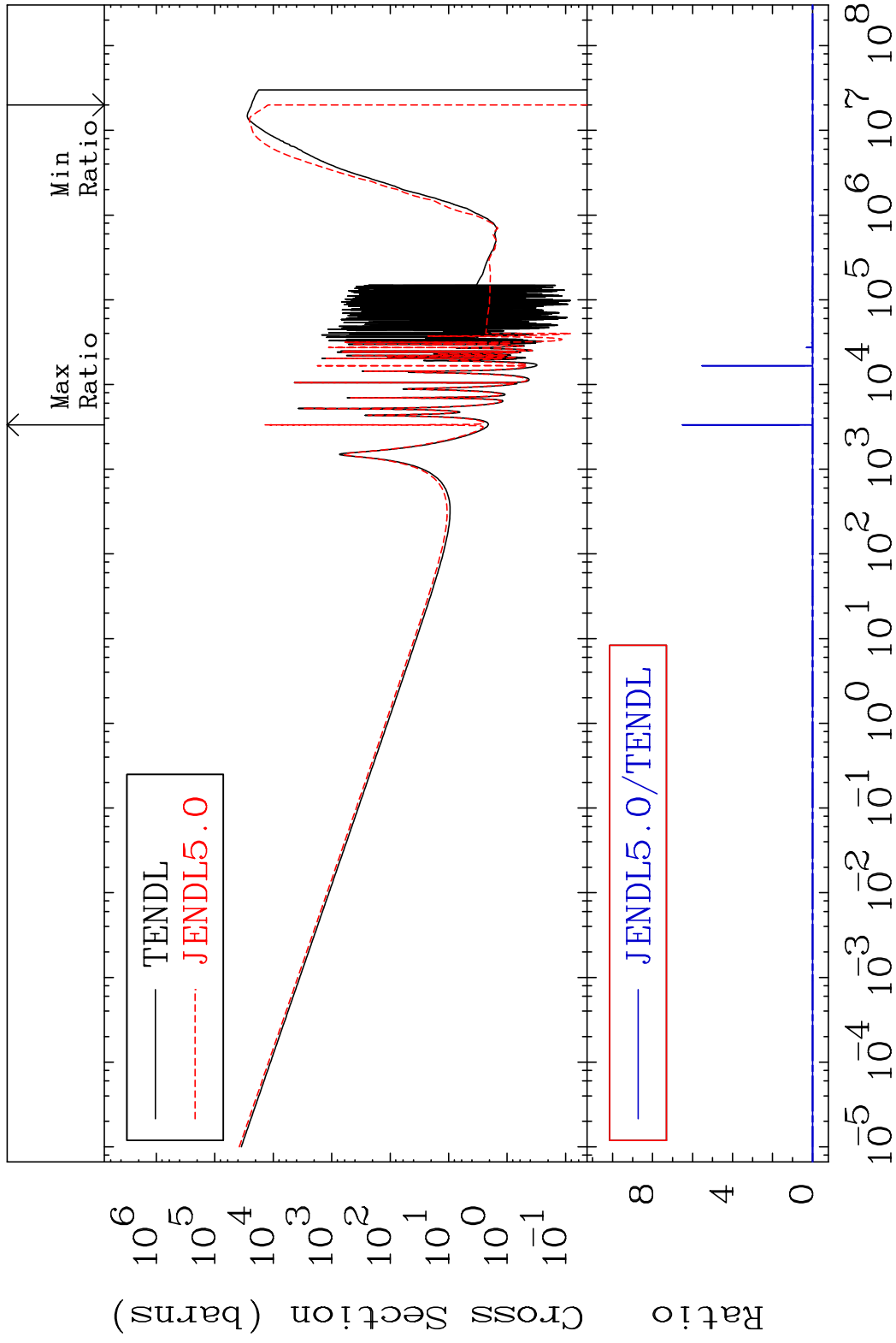
MAT 2034 Dpa elastic (mt2) 20-Ca-43  
 Cross Section -96.28 To 9999. %







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

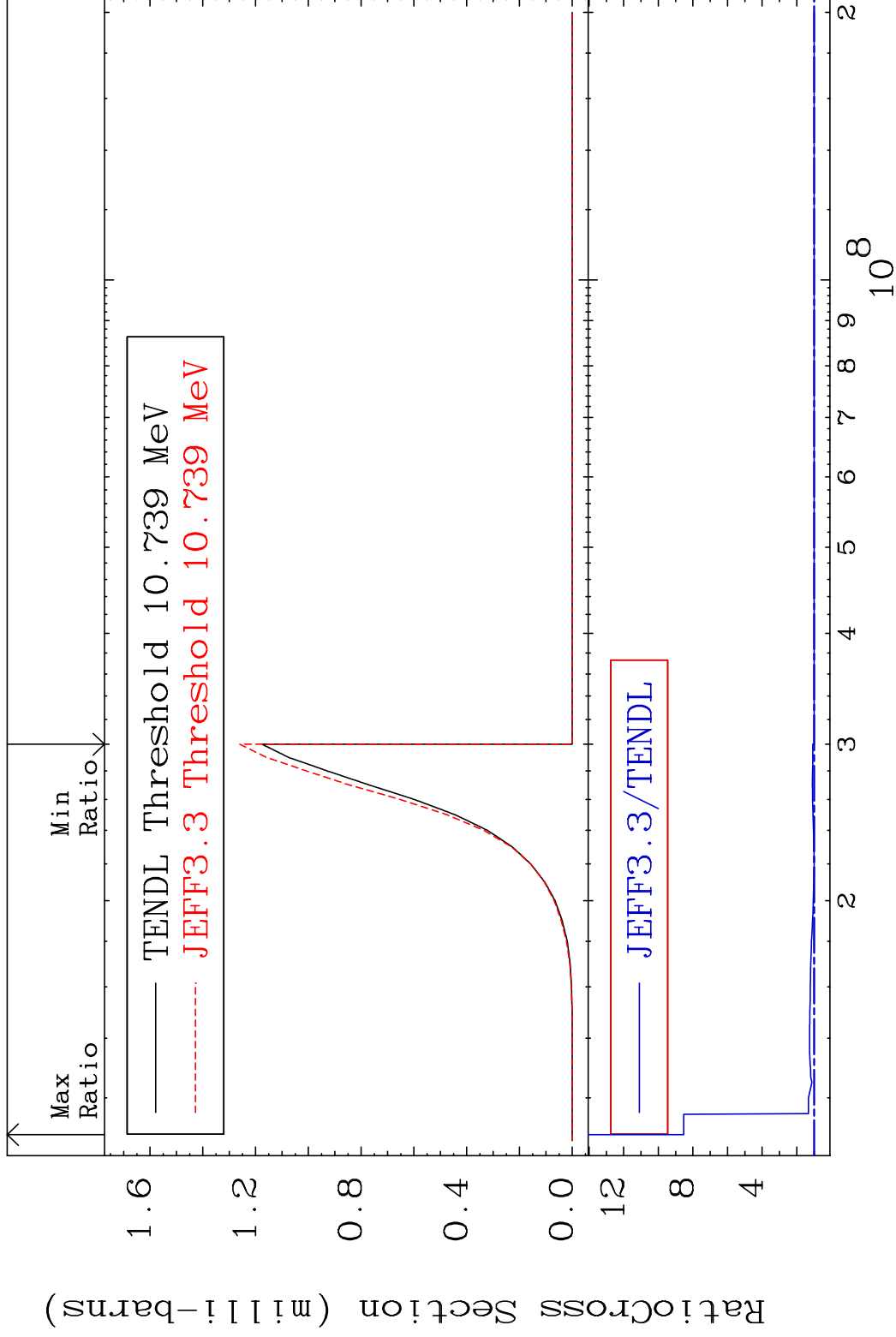


MAT 2034

(n,2p)

20-Ca-43

Cross Section 0.000 To 753.5 %



58

Incident Energy (eV)

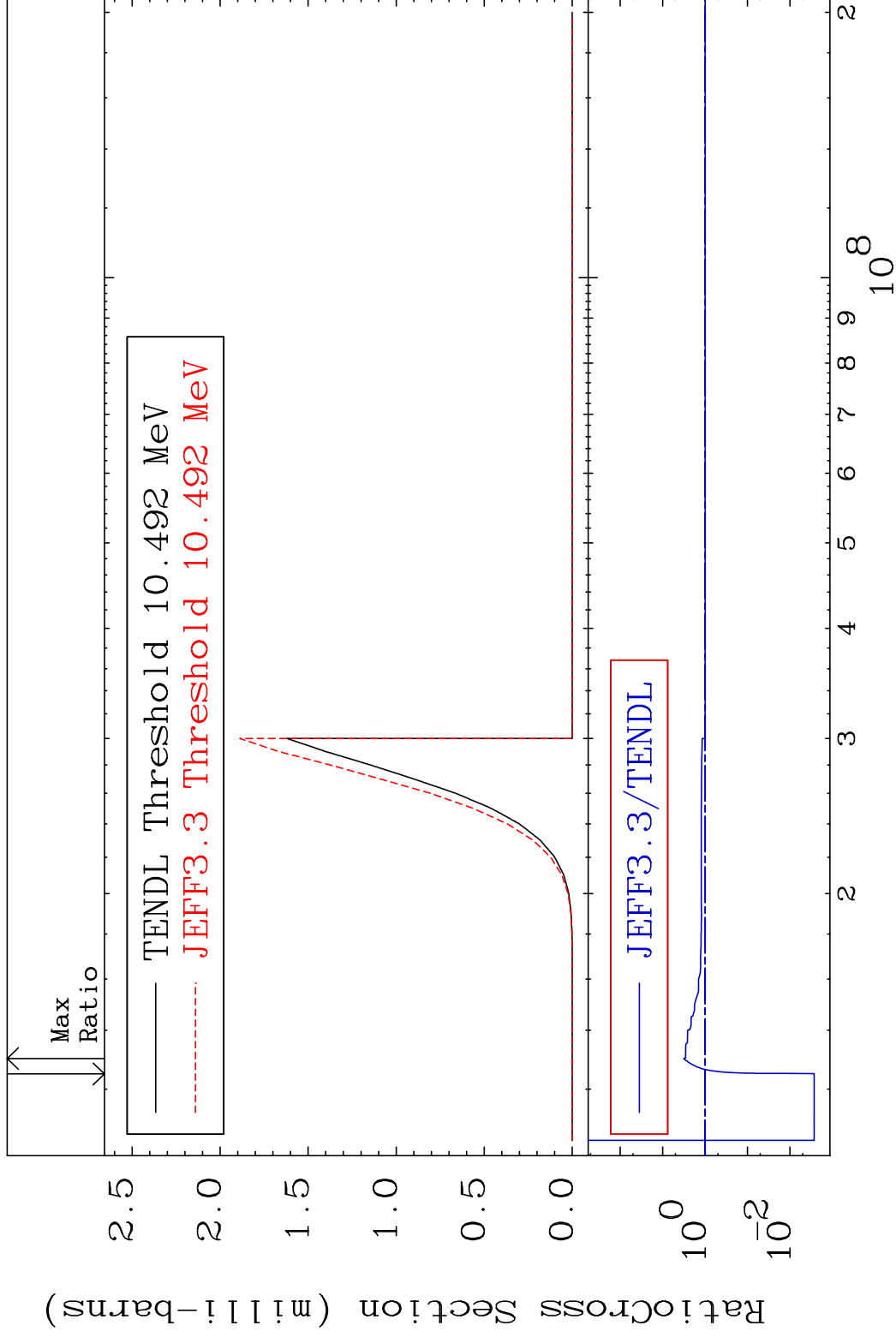
20-Ca-43

MAT 2034

(n,p)  $\alpha$

20-Ca-43

Cross Section -99.73 To 219.8 %

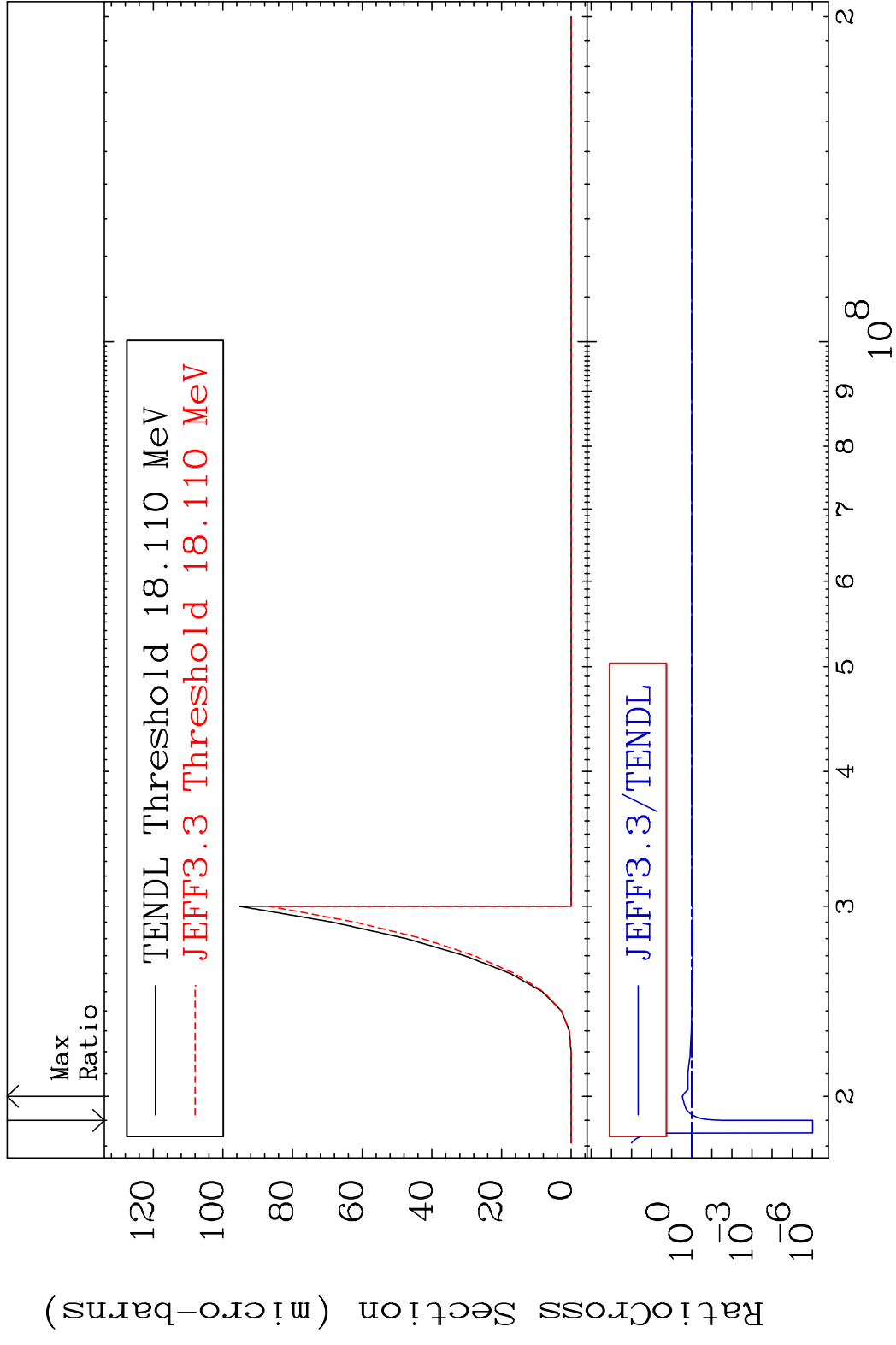


59

Incident Energy (eV)

20-Ca-43

MAT 2034 (n,p) d 20-Ca-43  
 Cross Section -100.0 To 192.8 %



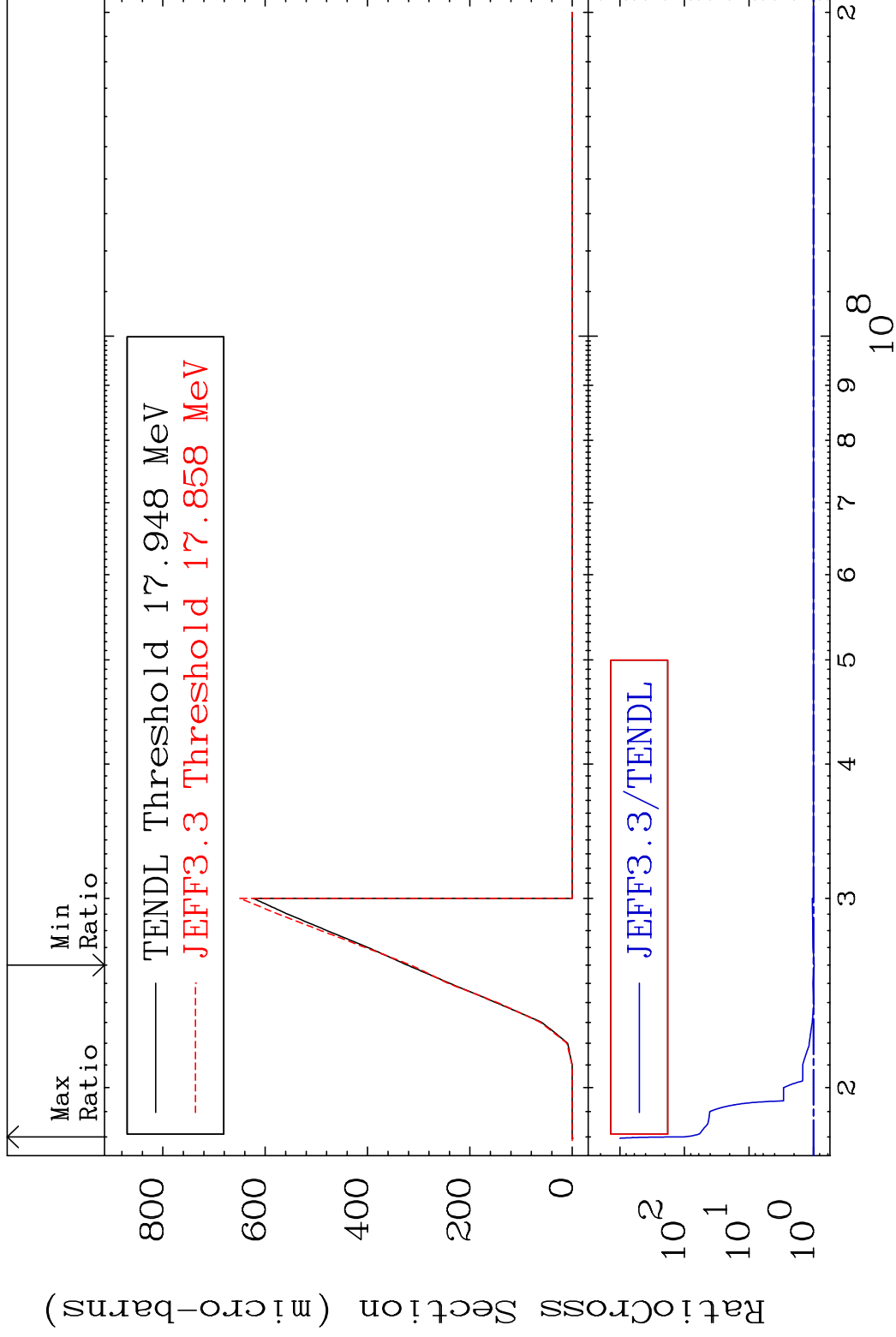
60 Incident Energy (eV) 20-Ca-43

MAT 2034

(n,p) t

20-Ca-43

Cross Section -2.213 To 9999. %

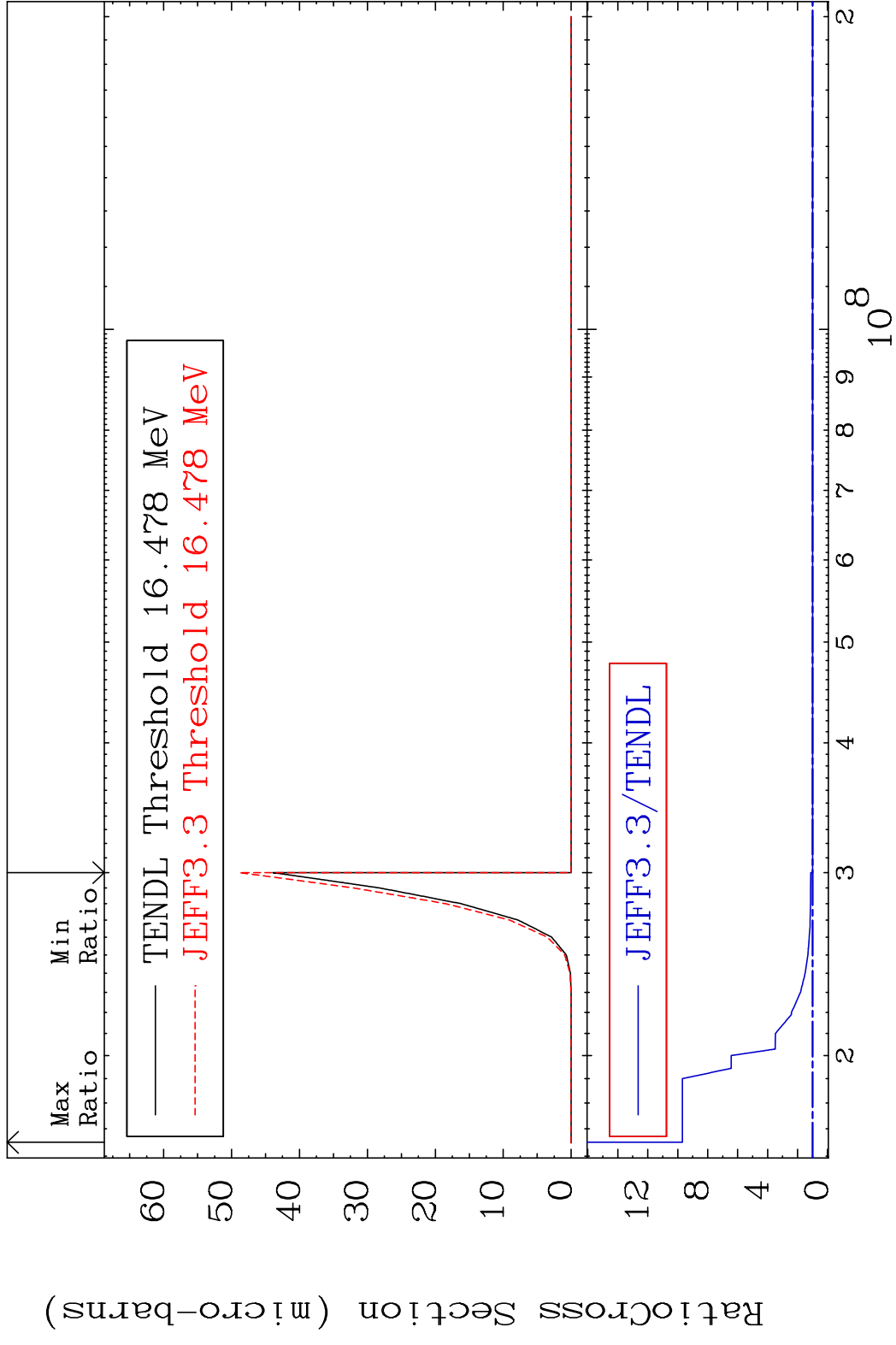


61

Incident Energy (eV)

20-Ca-43

MAT 2034 (n,d)  $\alpha$  20-Ca-43  
 Cross Section 0.000 To 869.0 %

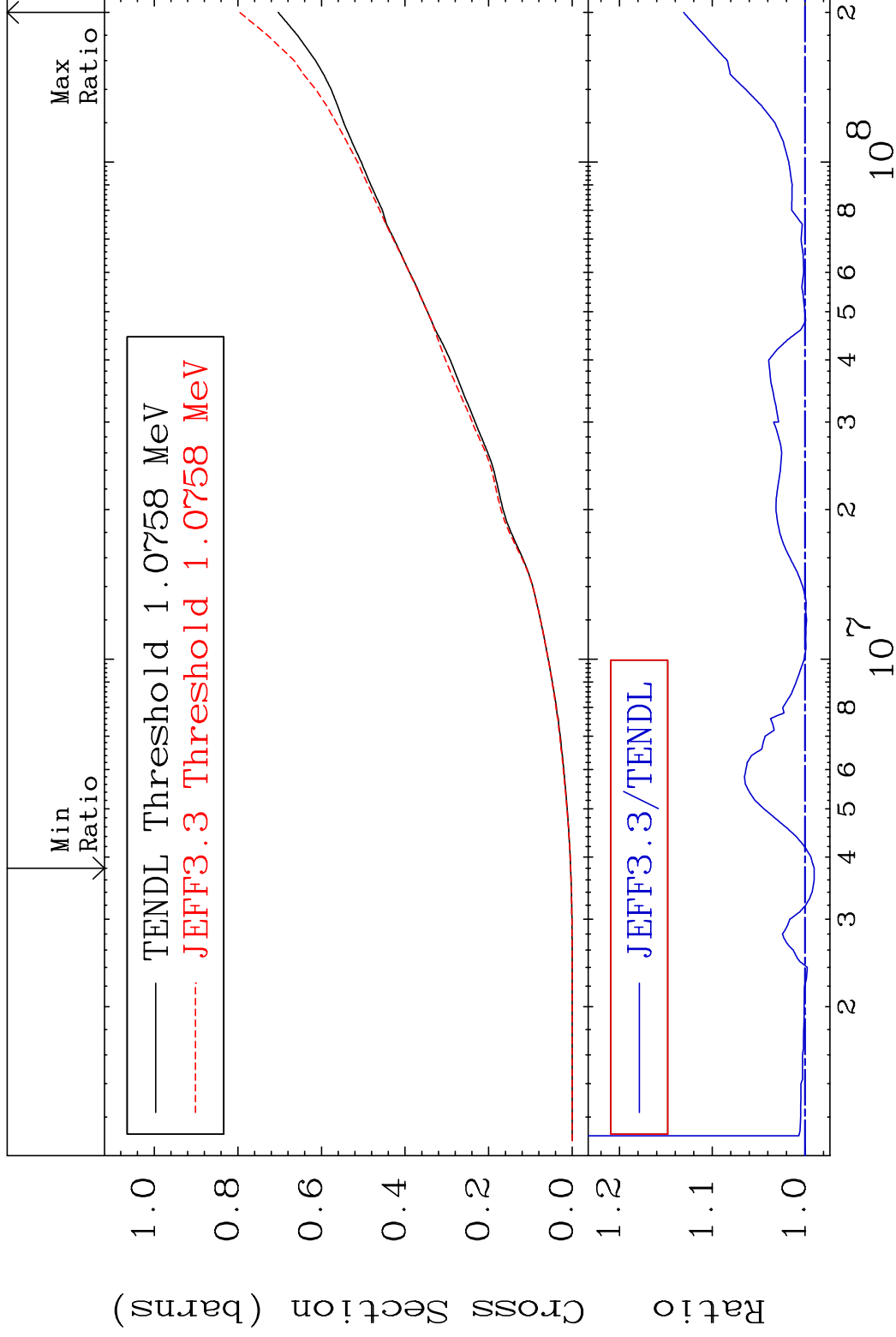


MAT 2034

Hydrogen Production

20-Ca-43

Cross Section -0.986 To 13.08 %



63

Incident Energy (eV)

20-Ca-43

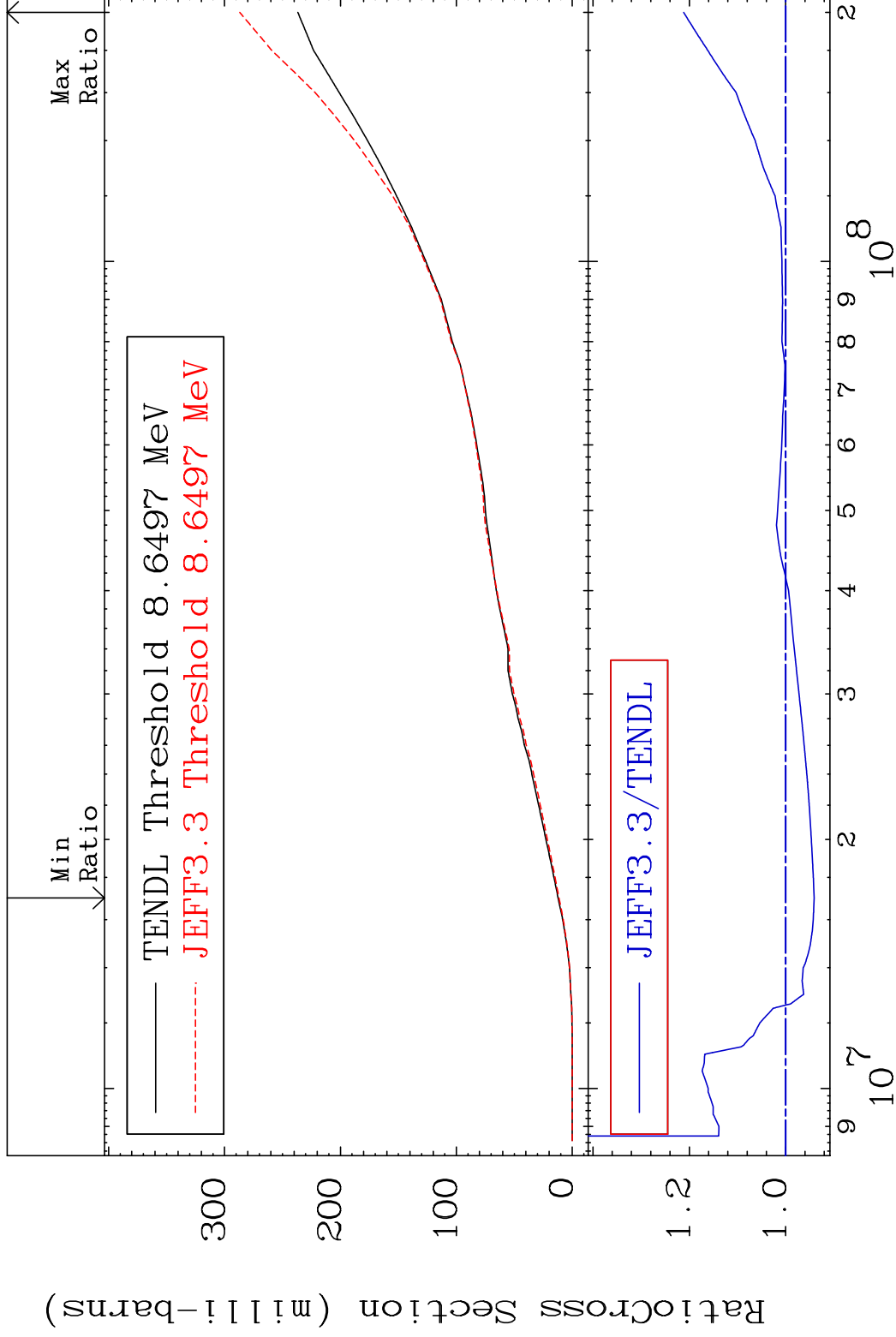


MAT 2034

Deuterium Production

20-Ca-43

Cross Section -5.899 To 21.17 %



64

Incident Energy (eV)

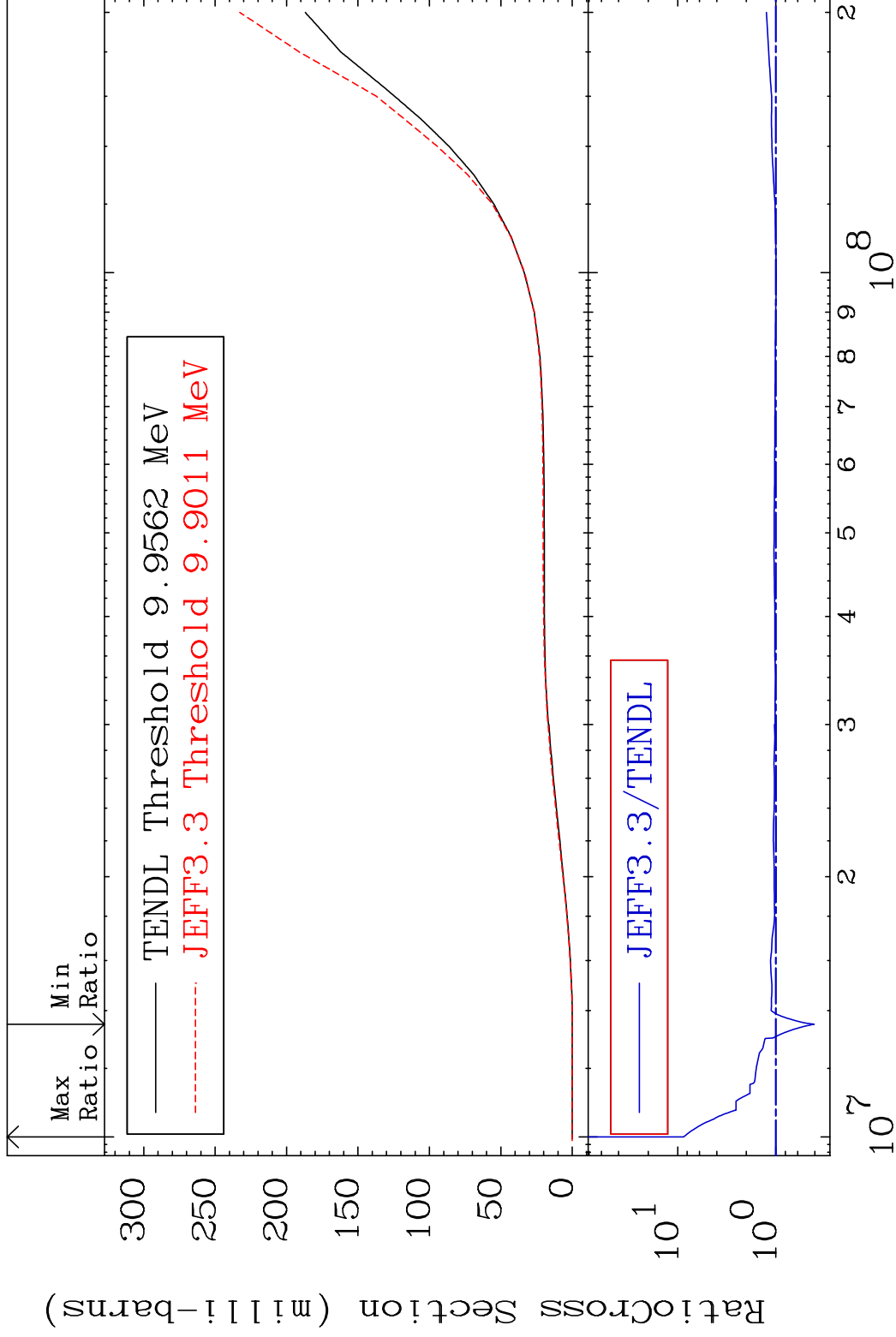
20-Ca-43

MAT 2034

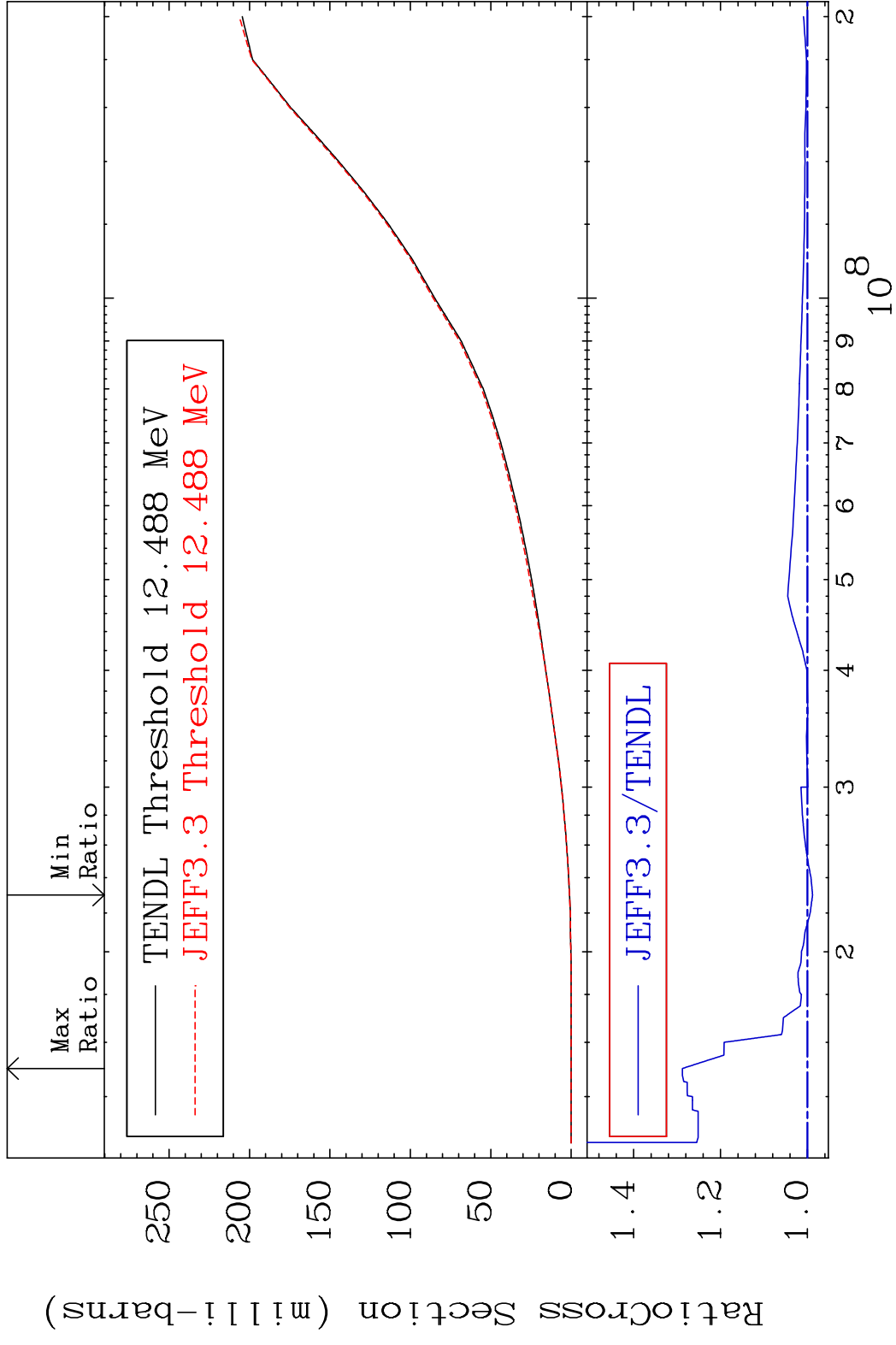
Tritium Production

20-Ca-43

Cross Section -59.25 To 769.9 %



Cross Section -1.175 To 28.80 %

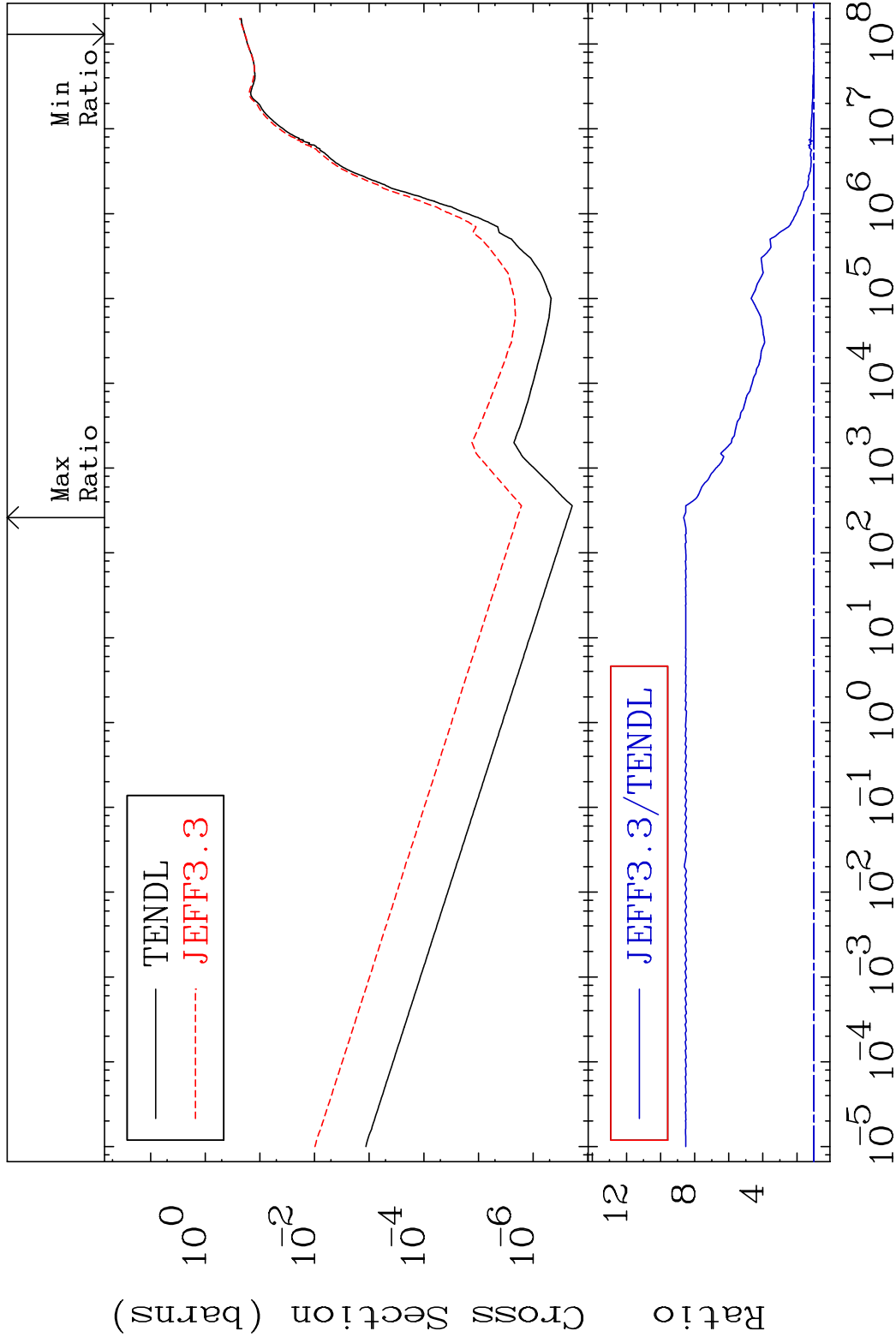


MAT 2034

He-4 Production

20-Ca-43

Cross Section -0.759 To 764.6 %



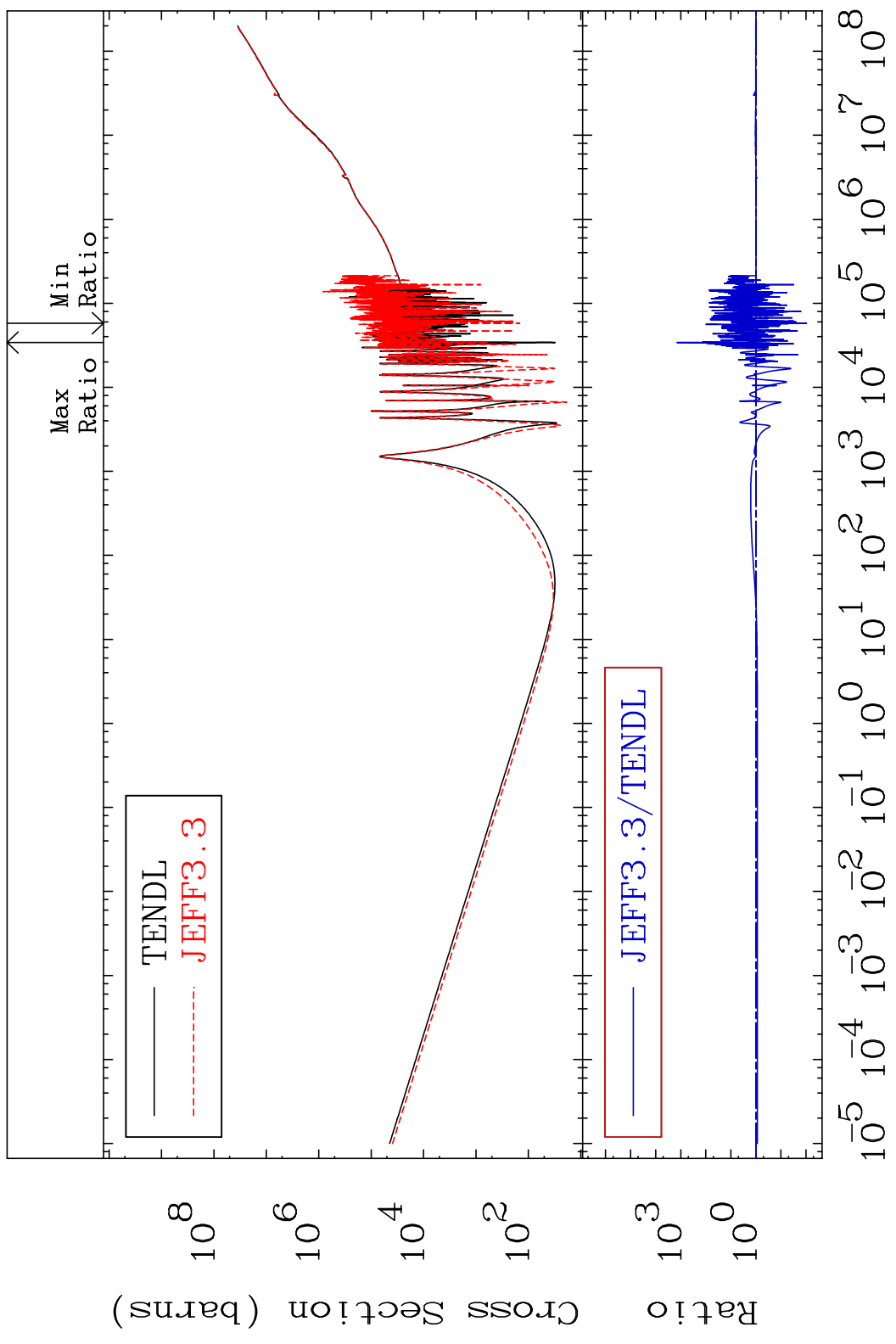
67

Incident Energy (eV)

20-Ca-43

MAT 2034

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



68

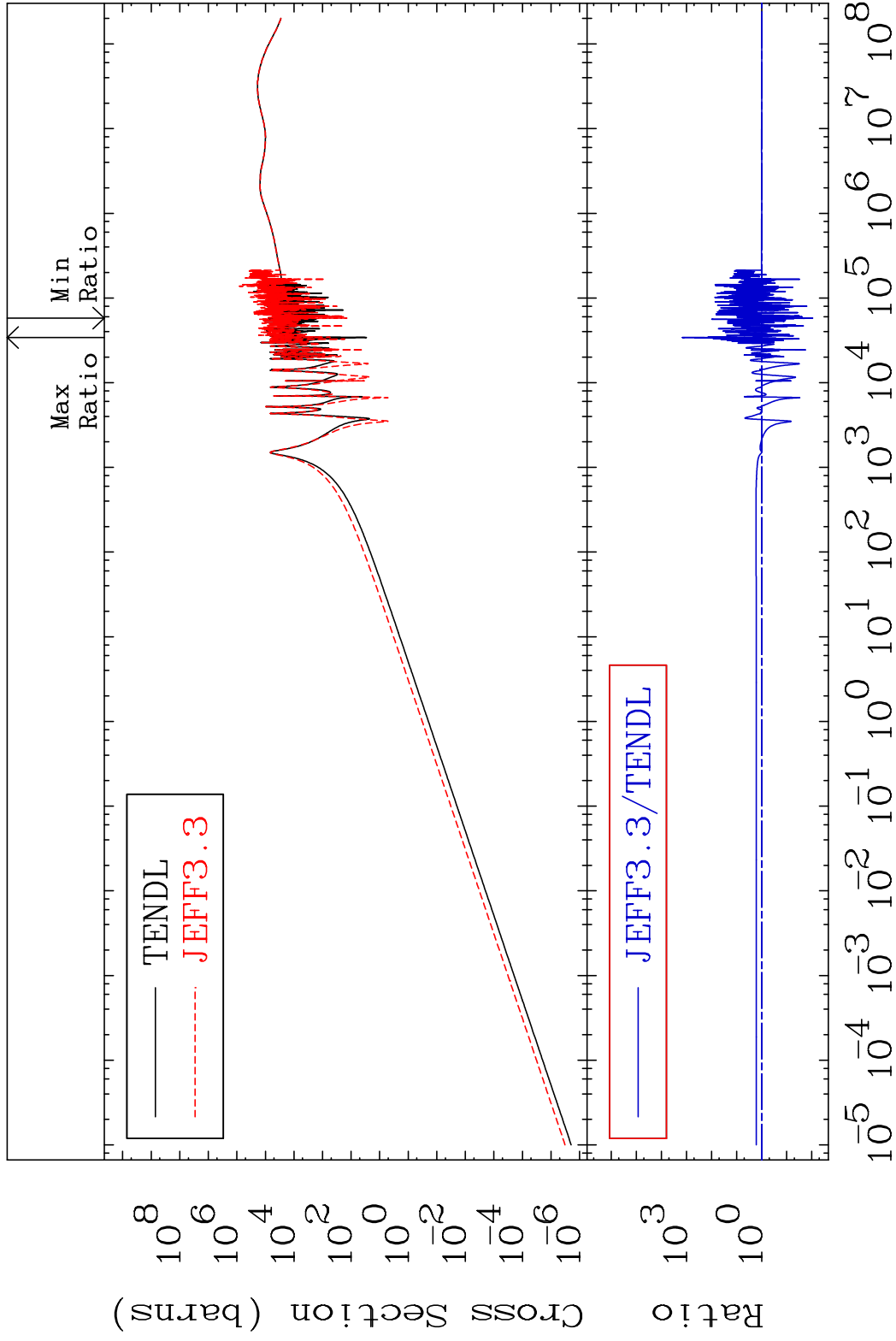
Incident Energy (eV) 20-Ca-43

MAT 2034

Kerma elastic

20-Ca-43

Cross Section -99.07 To 9999. %

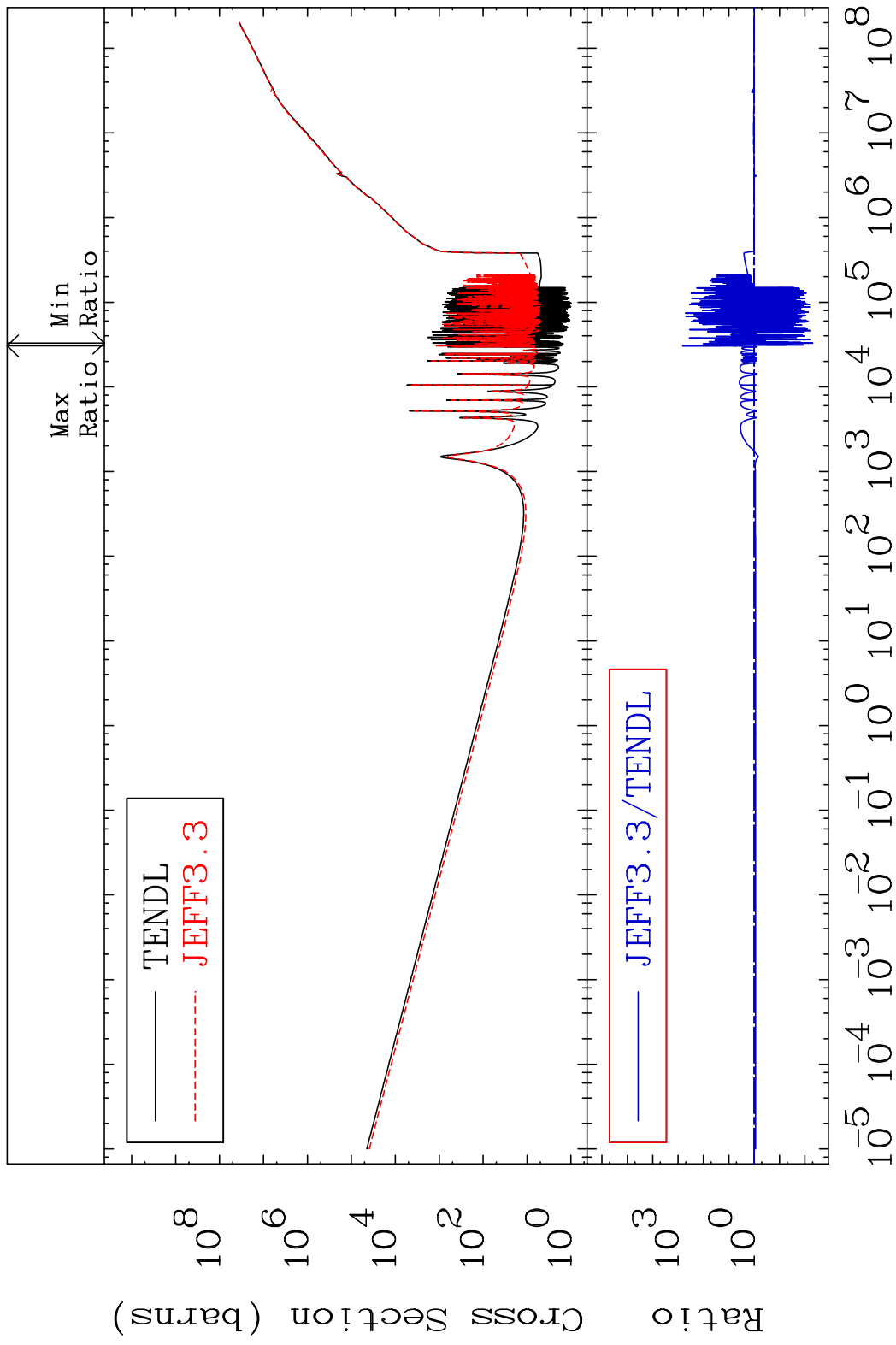


69

Incident Energy (eV)

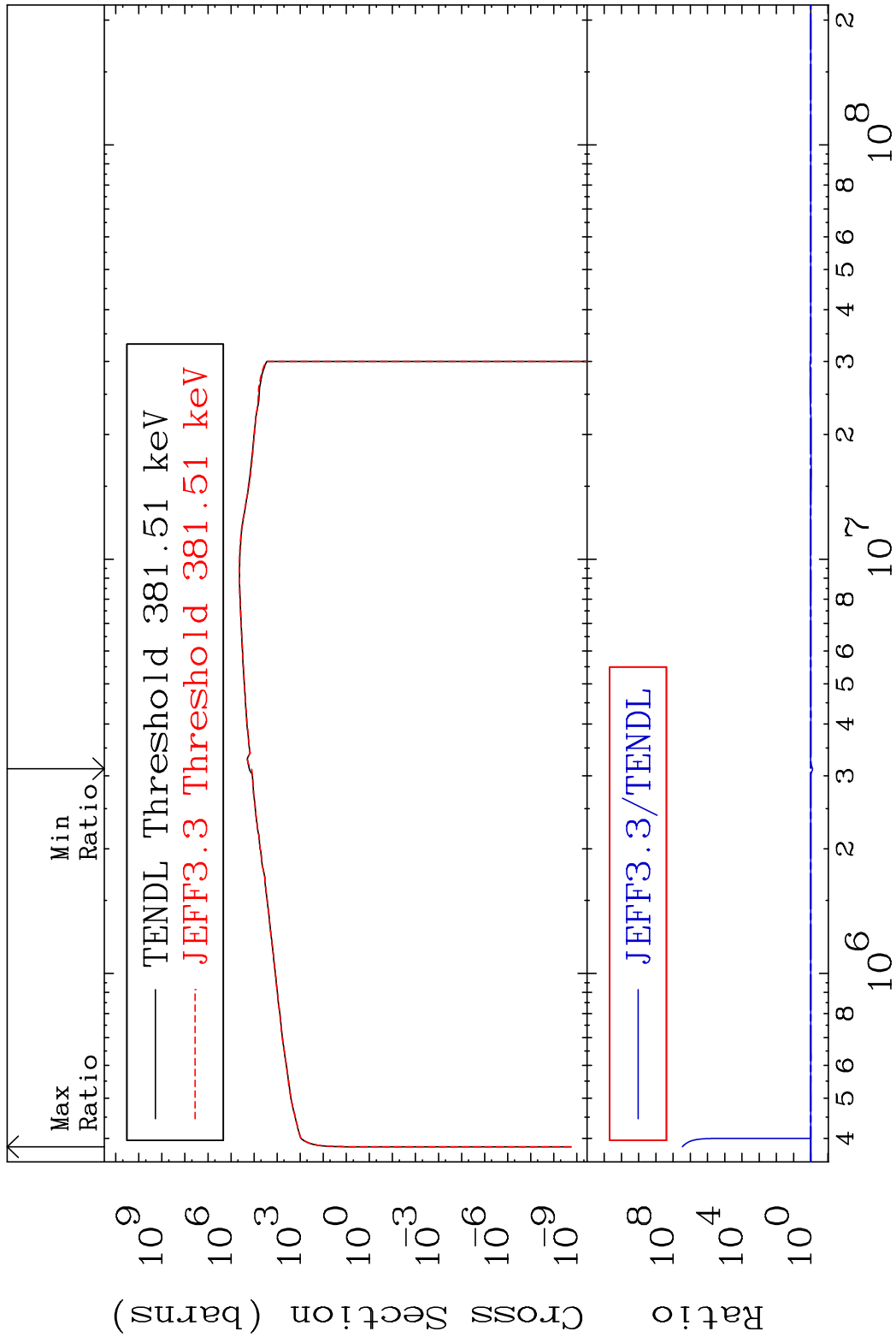
20-Ca-43

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



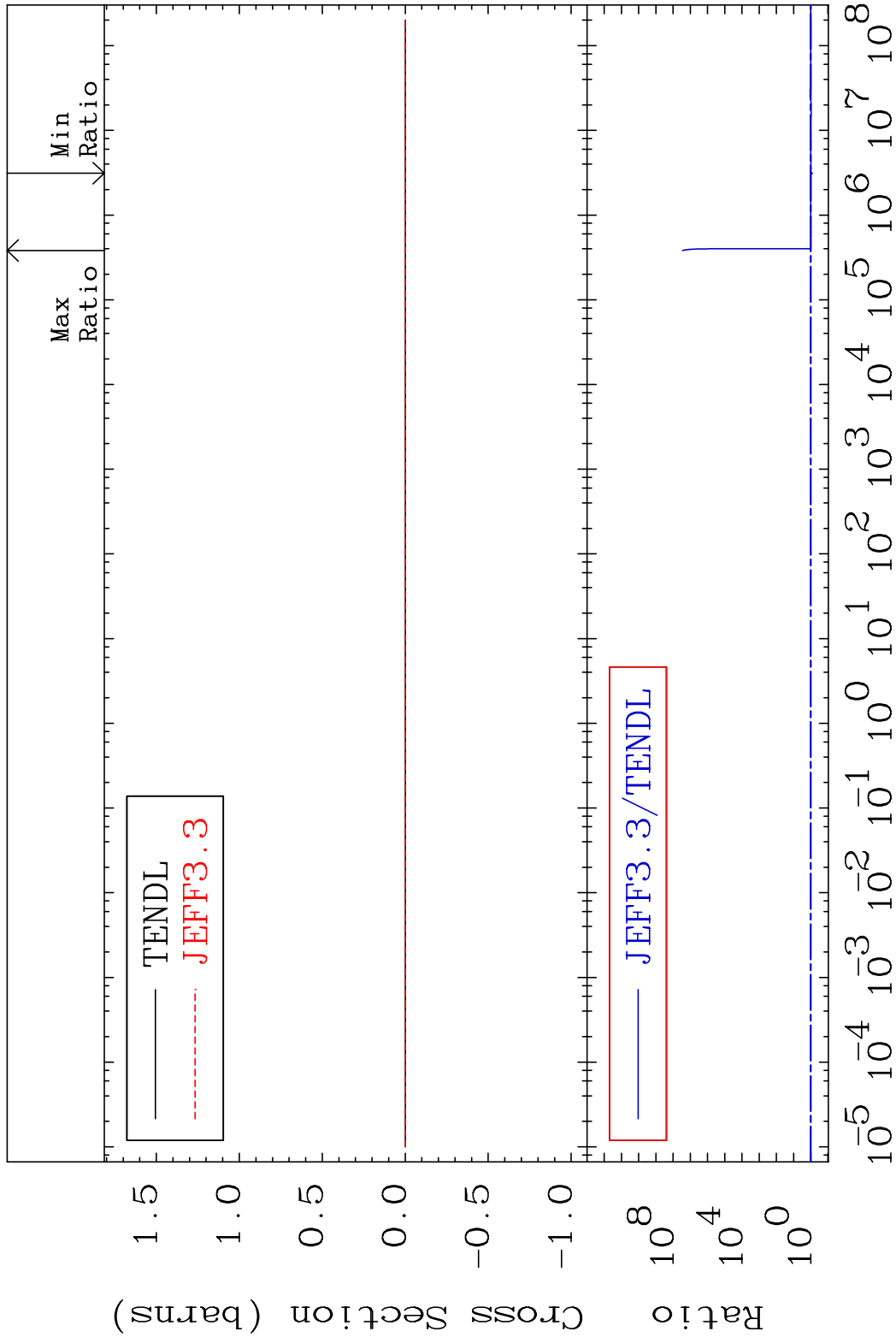
70 Incident Energy (eV) 20-Ca-43

MAT 2034 Kerma inelastic (mt51-91) 20-Ca-43  
 Cross Section -21.11 To 9999. %



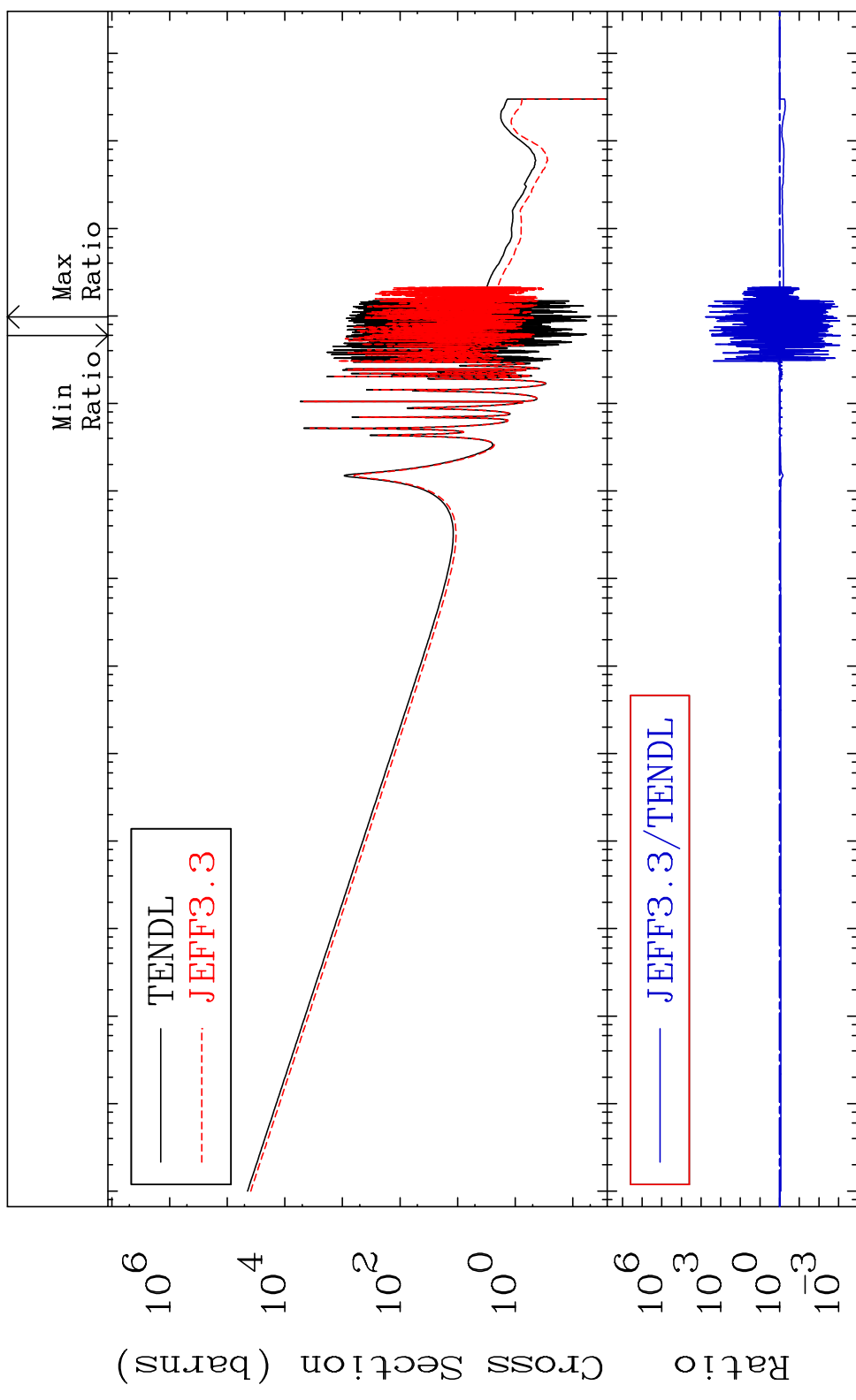


MAT 2034 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-43  
 Cross Section -21.11 To 9999. %



MAT 2034

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

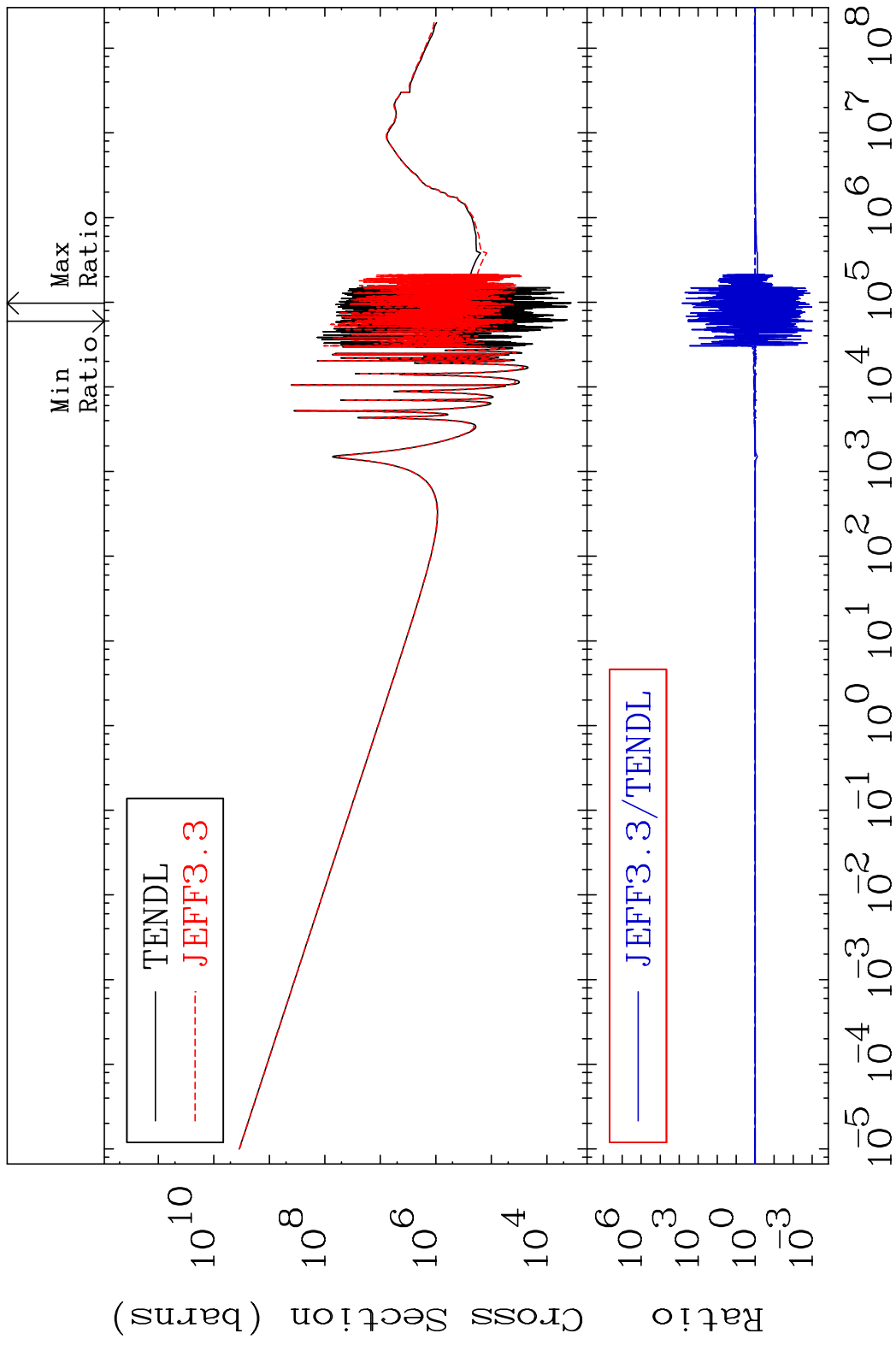


73

Incident Energy (eV)

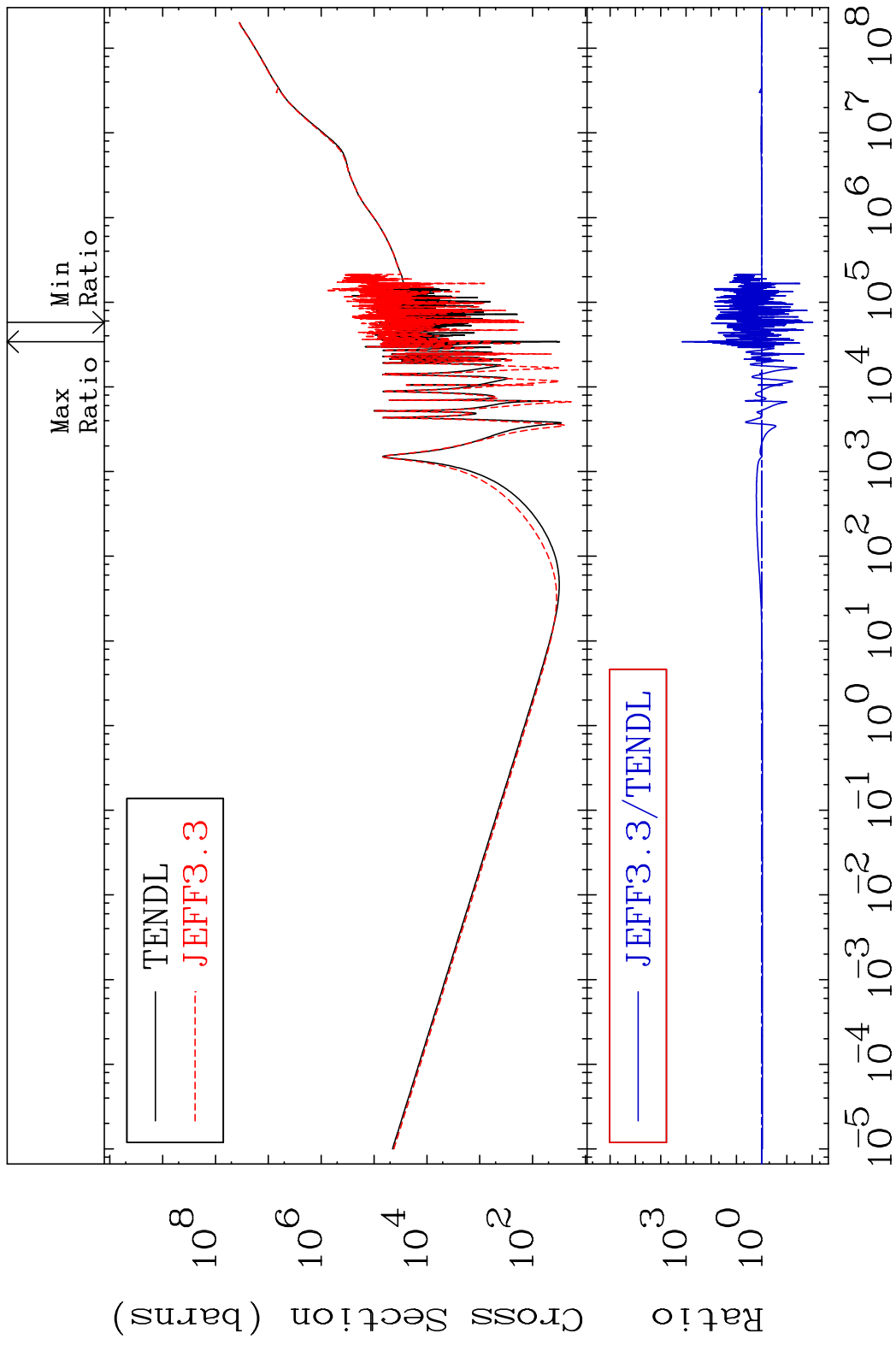
20-Ca-43

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

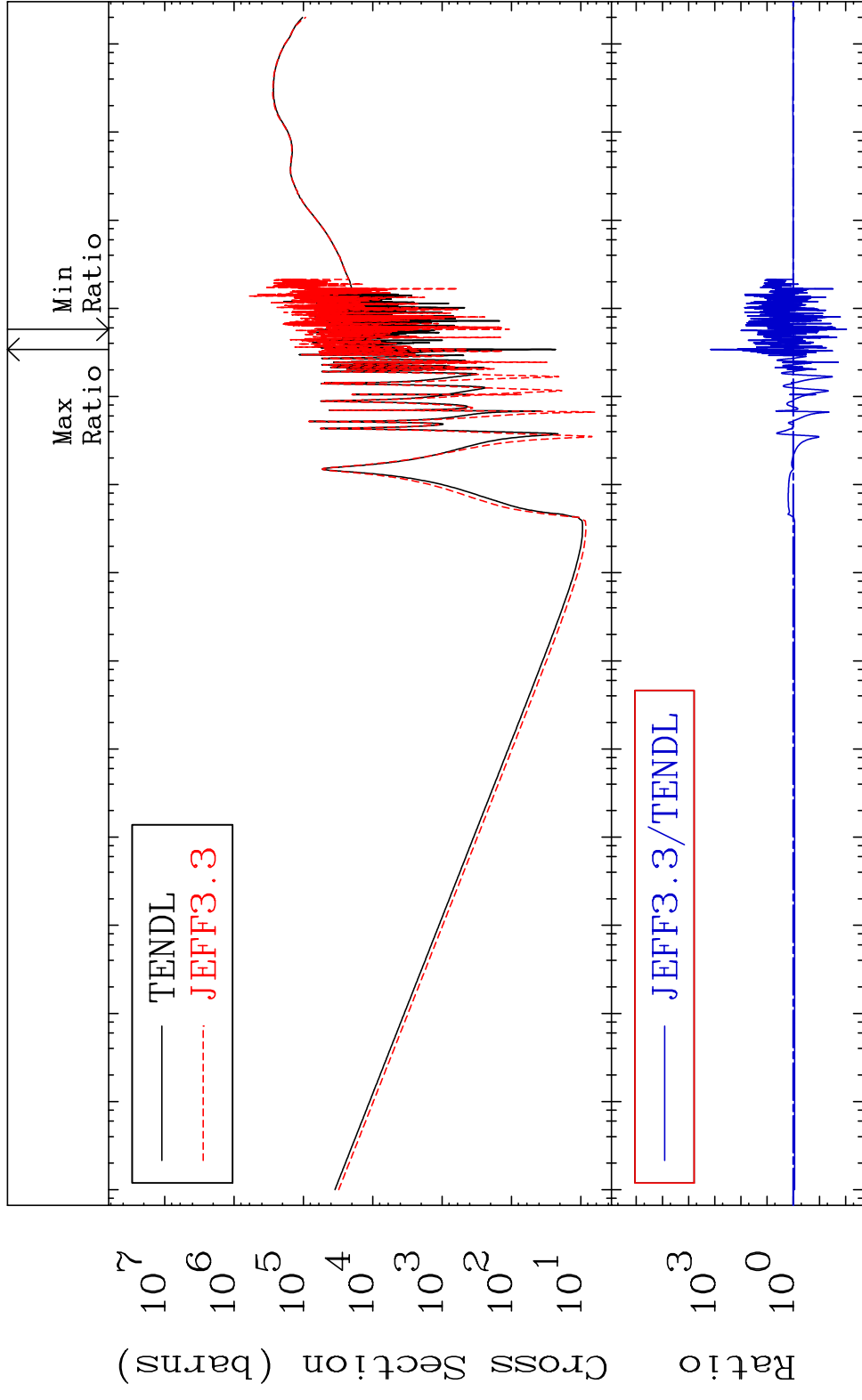
MAT 2034

Dpa total (eV-barns)

20-Ca-43

Cross Section

-99.06 To 9999. %



76

Incident Energy (eV)

20-Ca-43

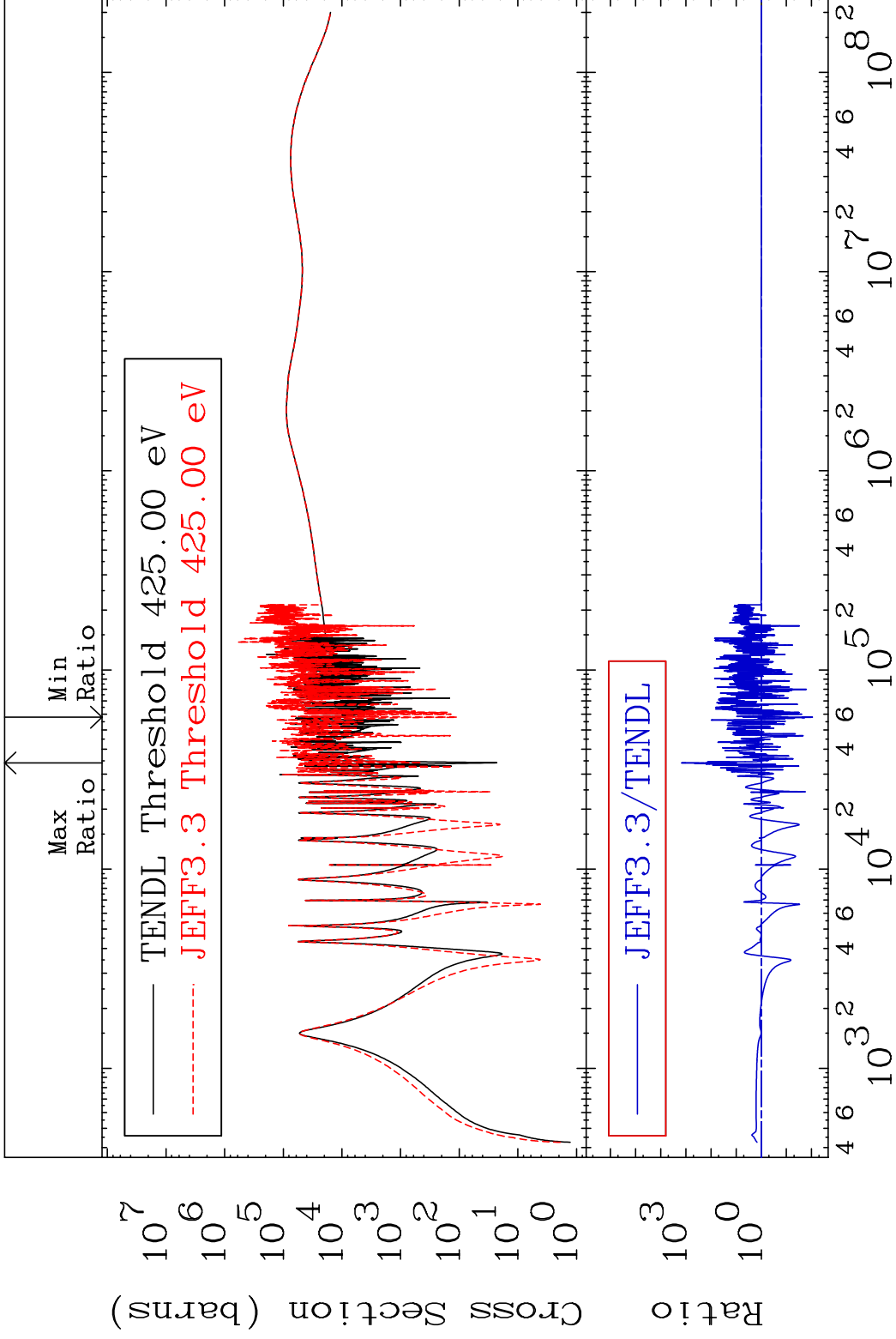
MAT 2034

Dpa elastic (mt2)

20-Ca-43

Cross Section

-99.07 To 9999. %

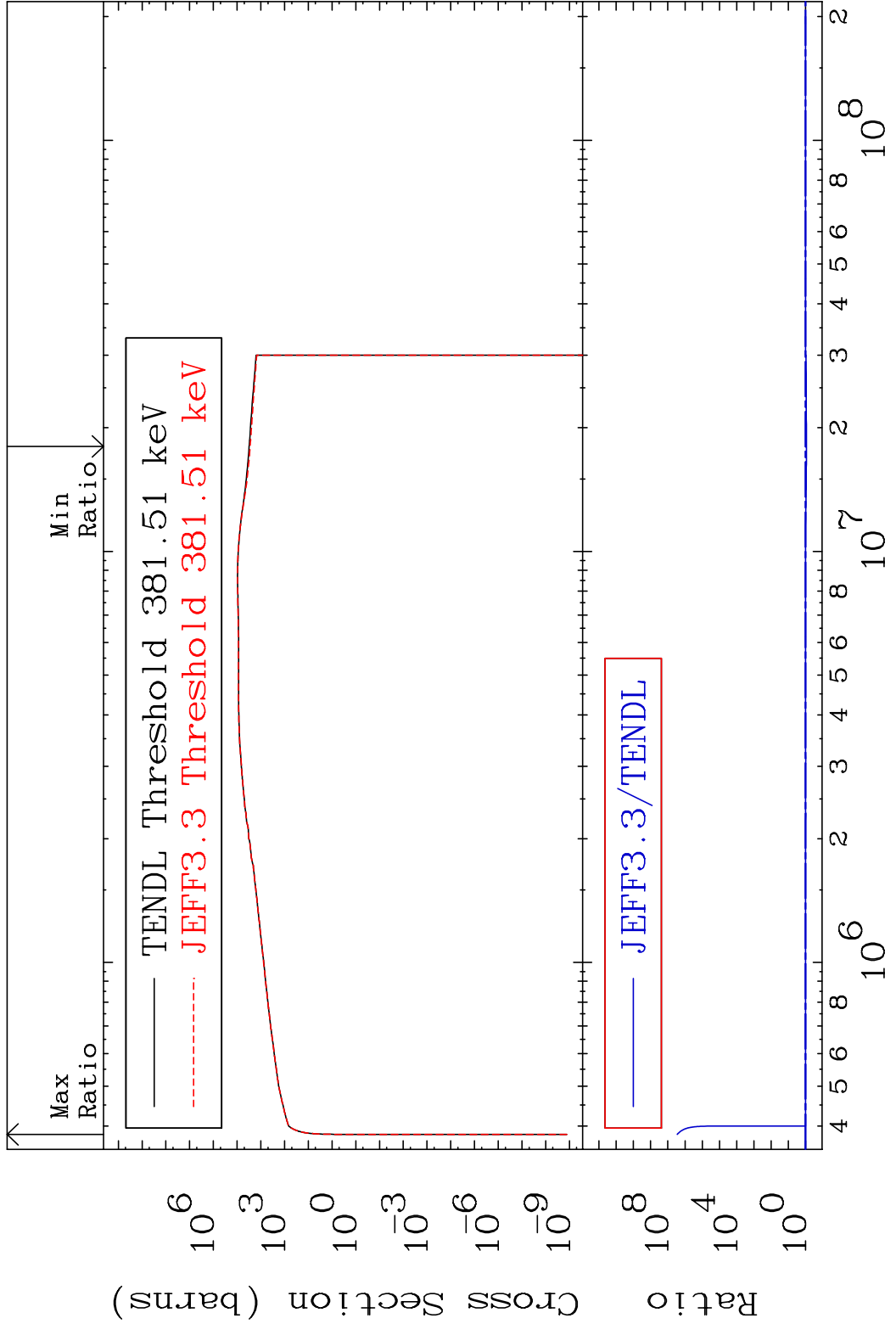


77

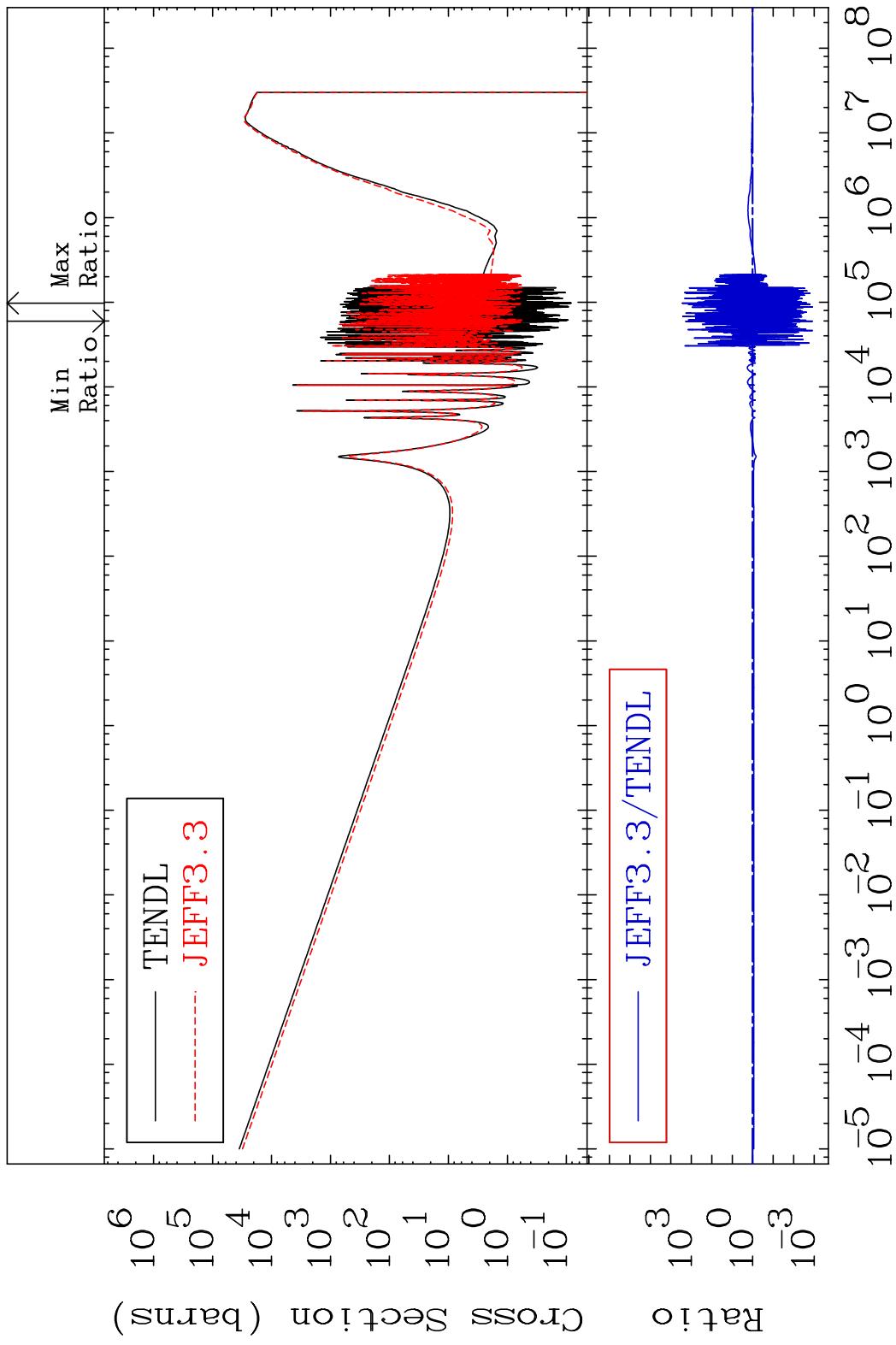
Incident Energy (eV)

20-Ca-43

MAT 2034 Dpa inelastic (mt51-91) 20-Ca-43  
 Cross Section -9.558 To 9999. %

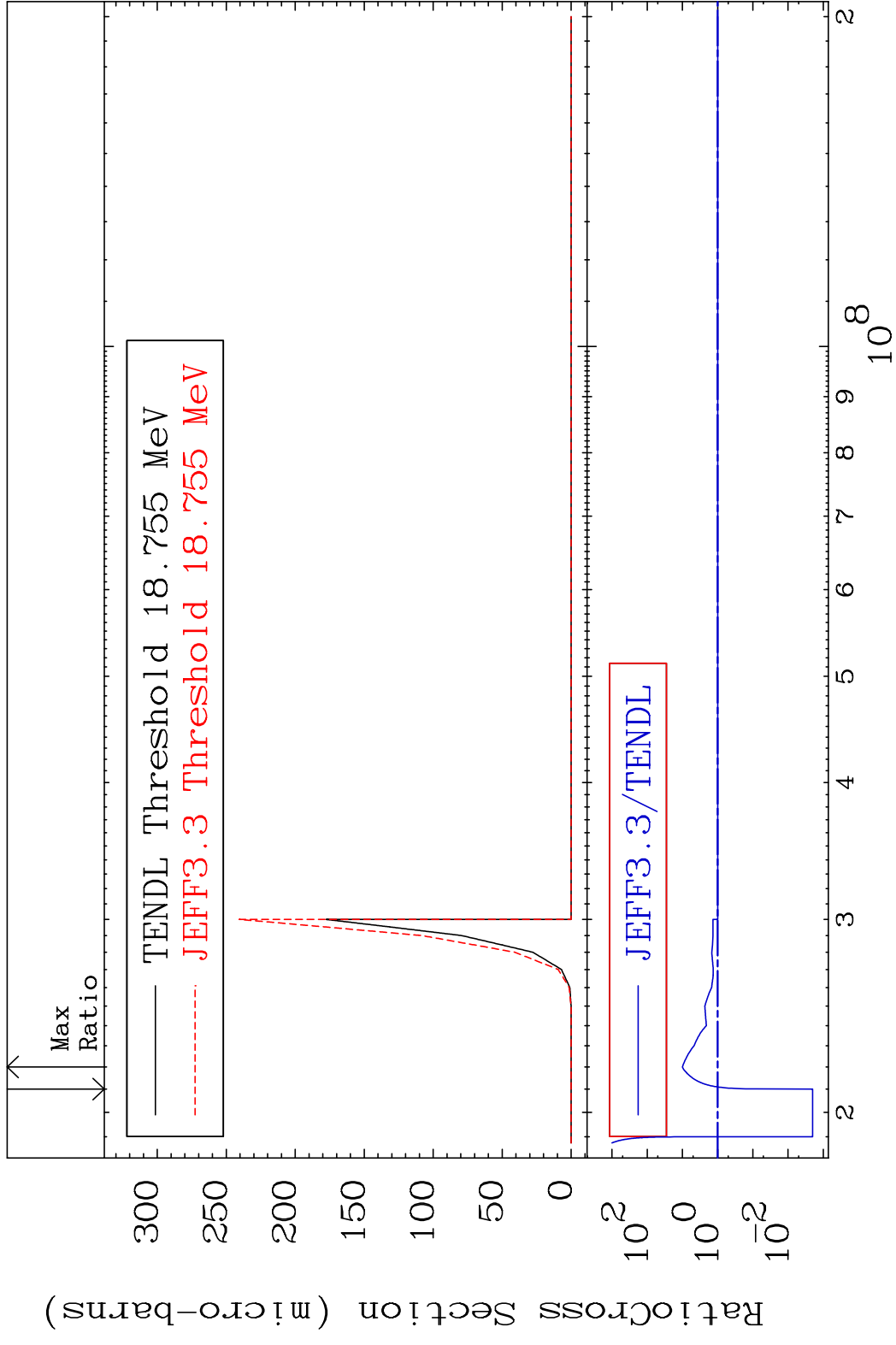


MAT 2034 Dpa disappearance (mt102 -120) 20-Ca-43  
 Cross Section -99.88 To 9999. %

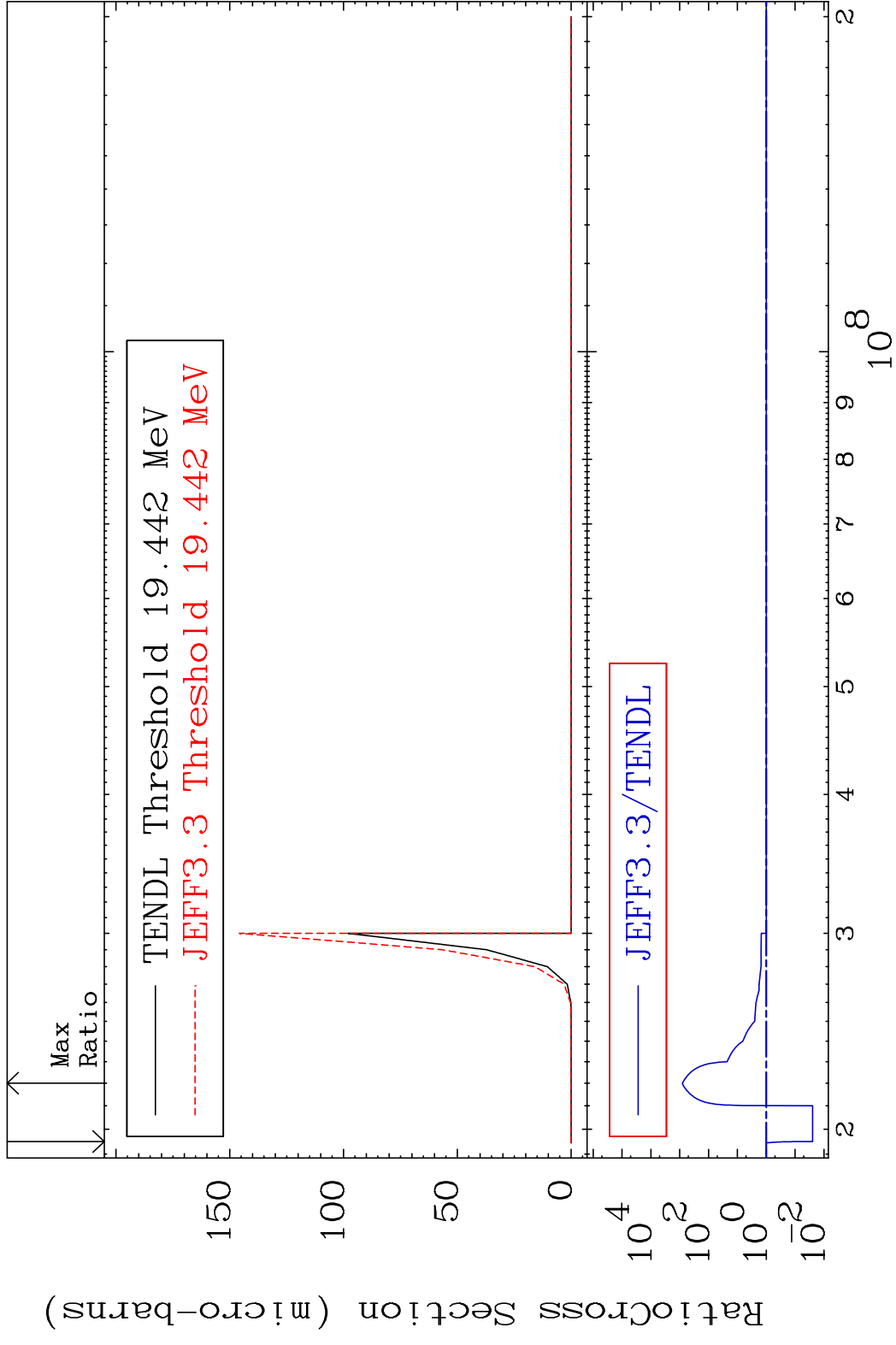


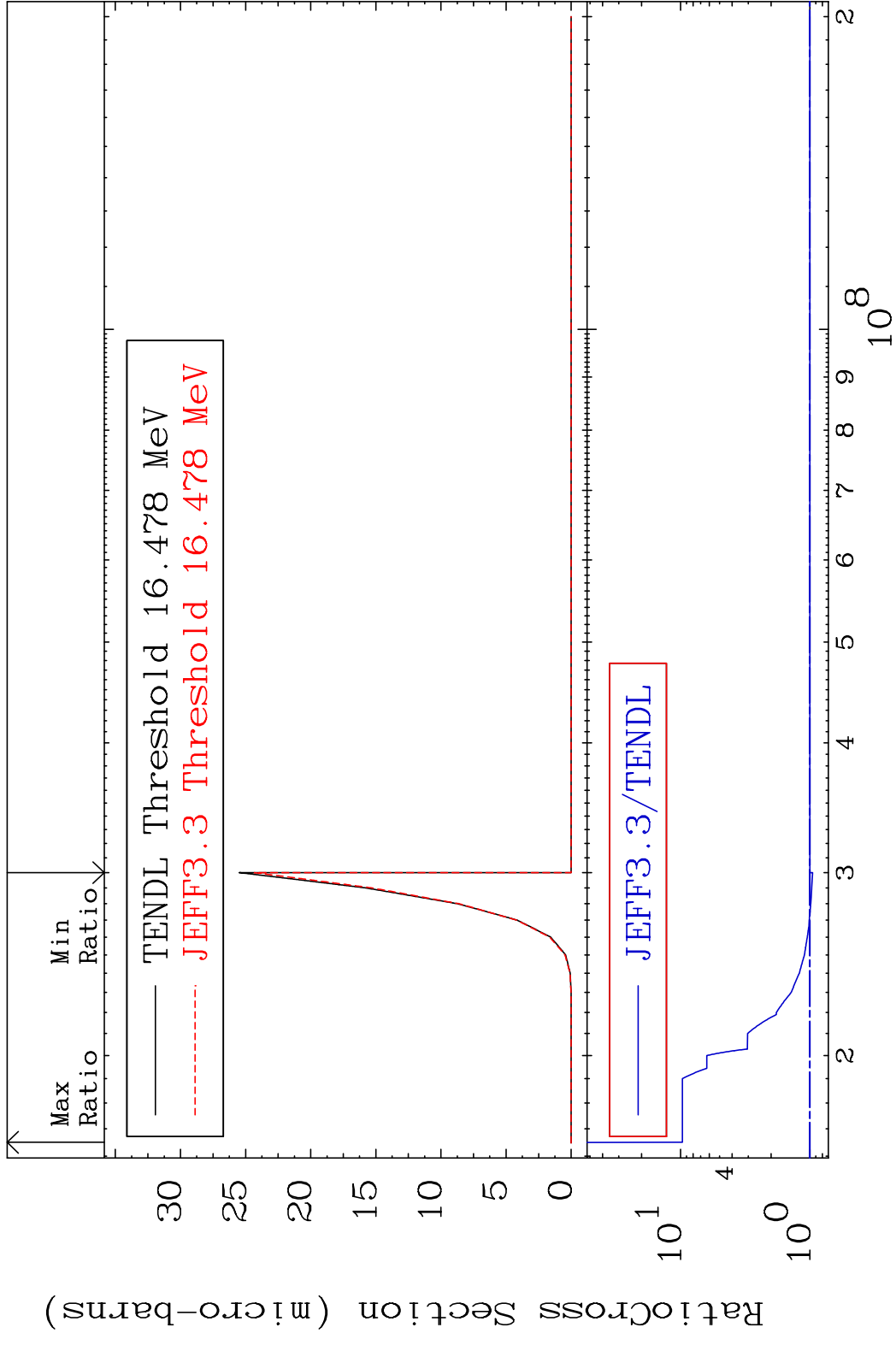
79 Incident Energy (eV) 20-Ca-43





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





MAT 2034 (n, d)  $\alpha$ :17-C1-38m1 20-Ca-43  
 Radionuclide Production Cross Section 5338. %

