

Program Complot  
(Version 2021-1)

by

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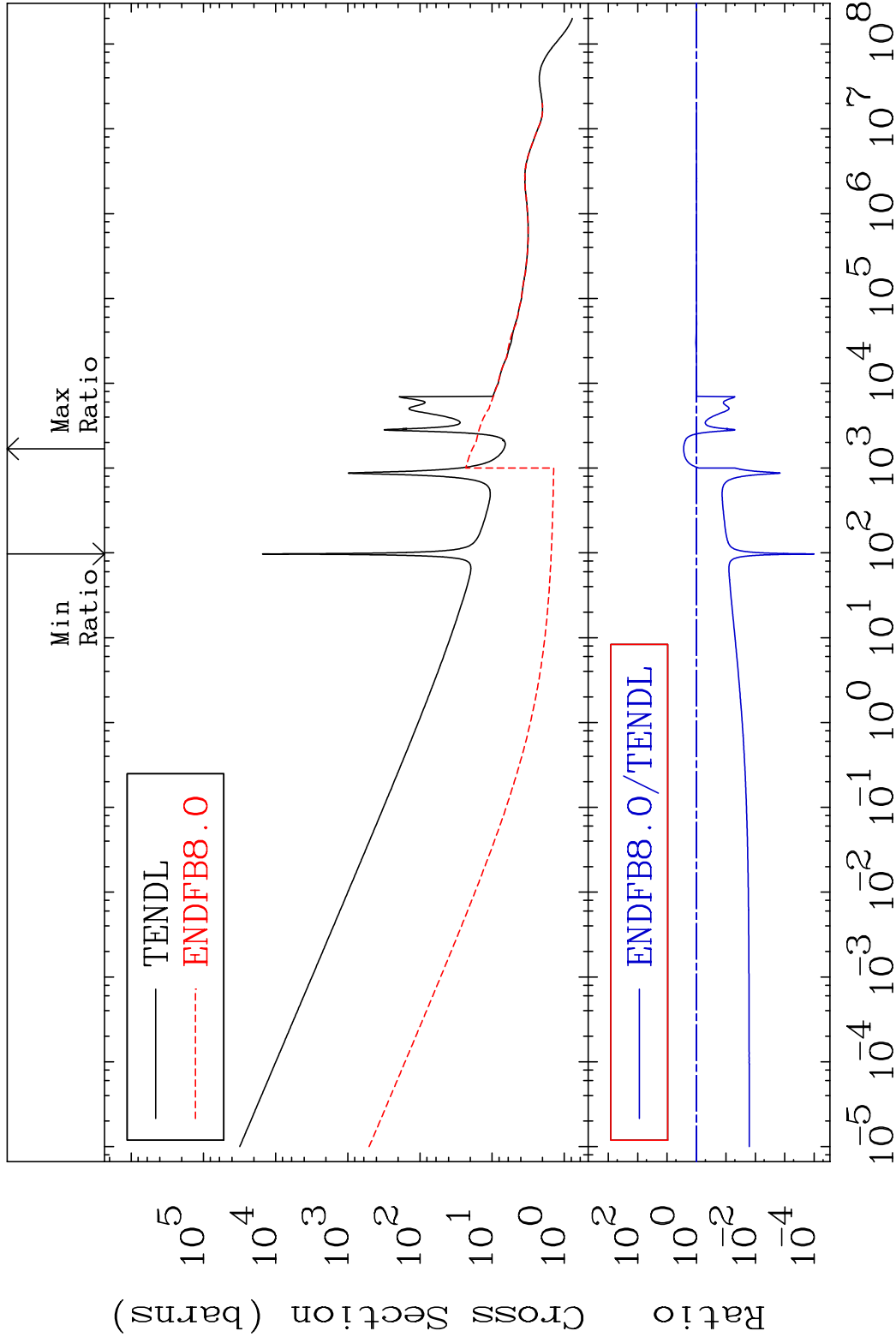
Press Mouse Button to Start

MAT 1834

Total

18-Ar-39

Cross Section -99.99 To 173.2 %



1

Incident Energy (eV)

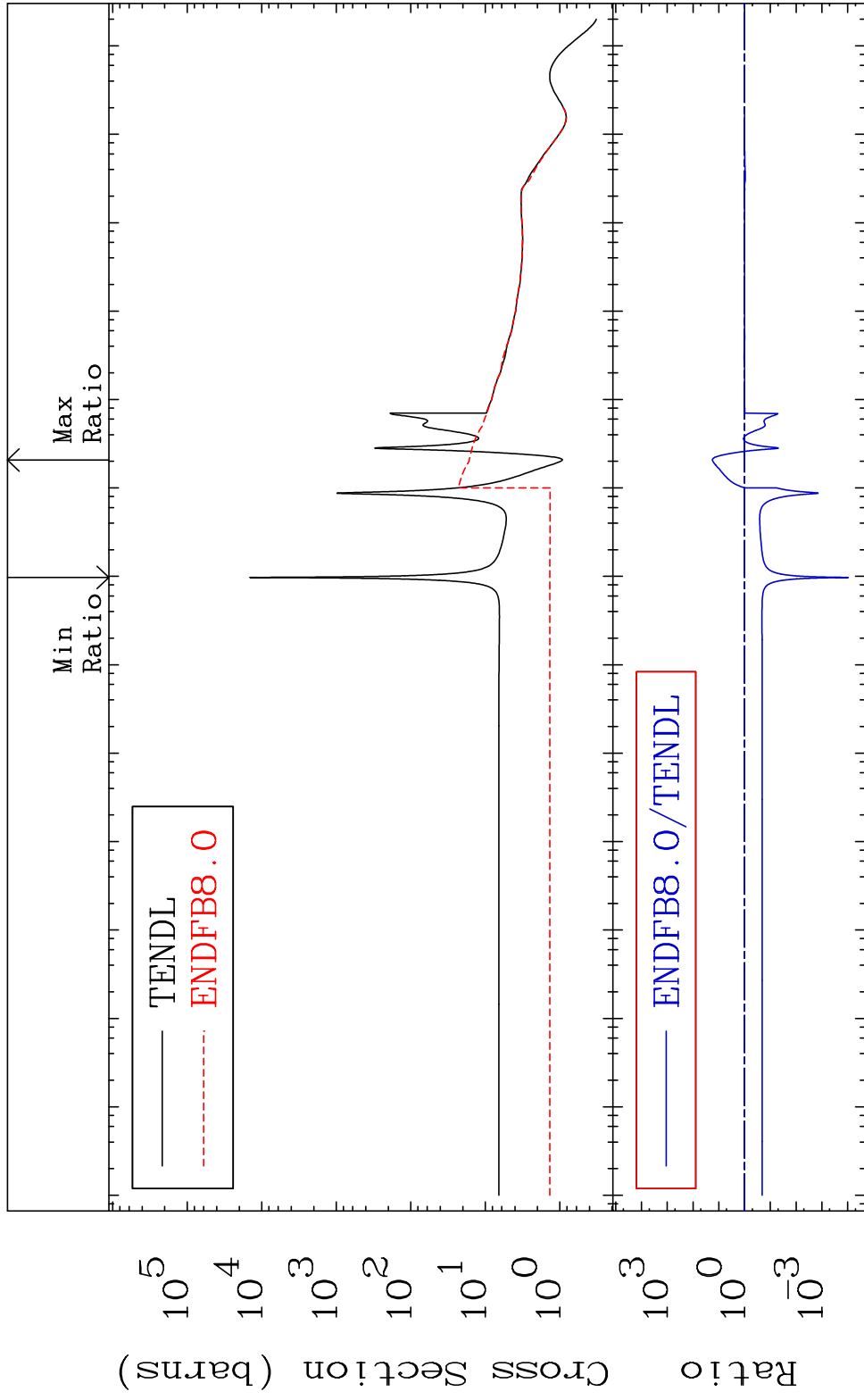
18-Ar-39

MAT 1834

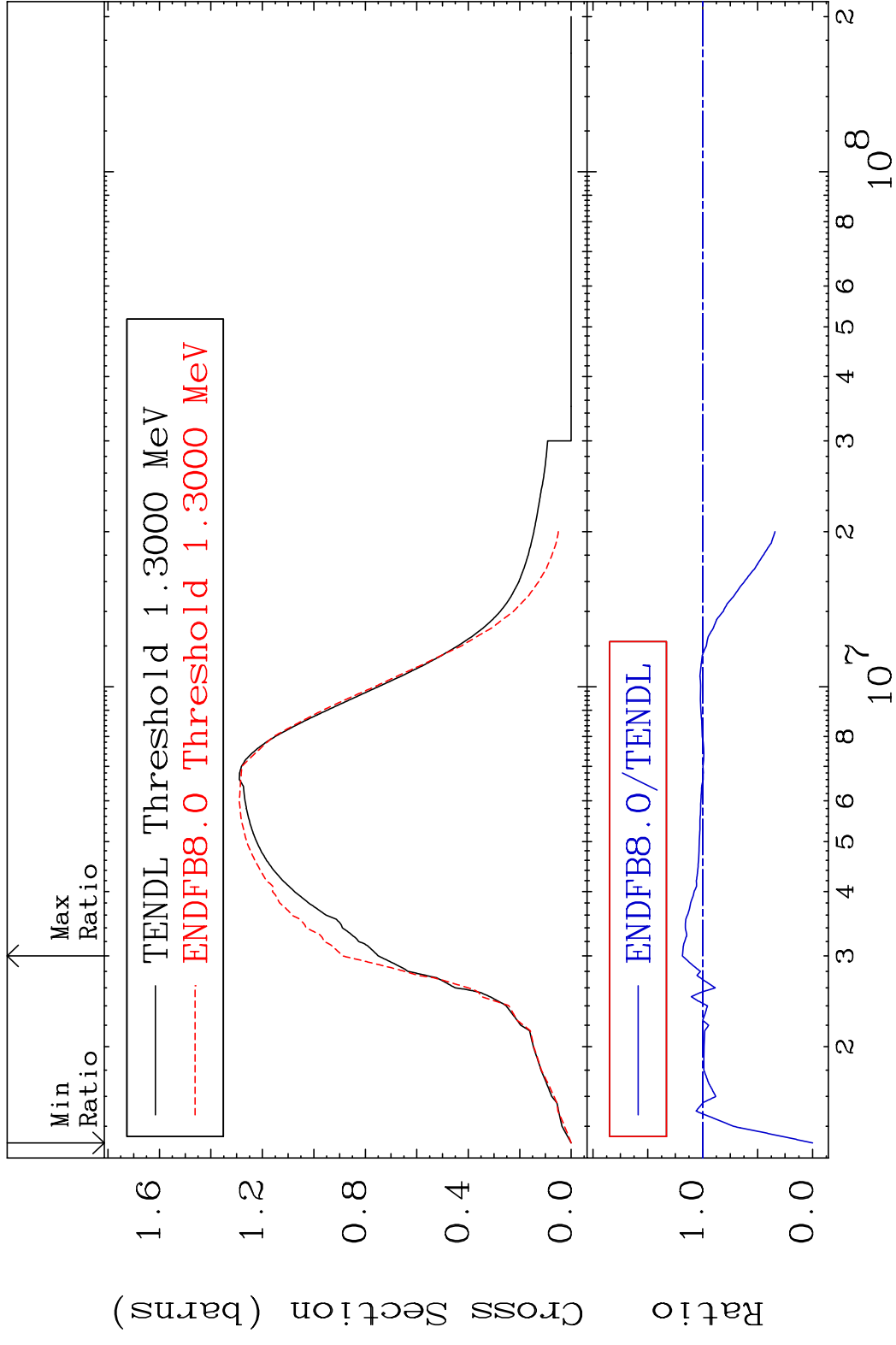
Elastic

18-Ar-39

Cross Section -99.99 To 1675. %



MAT 1834 Inelastic 18-Ar-39  
 Cross Section -100.0 To 18.56 %

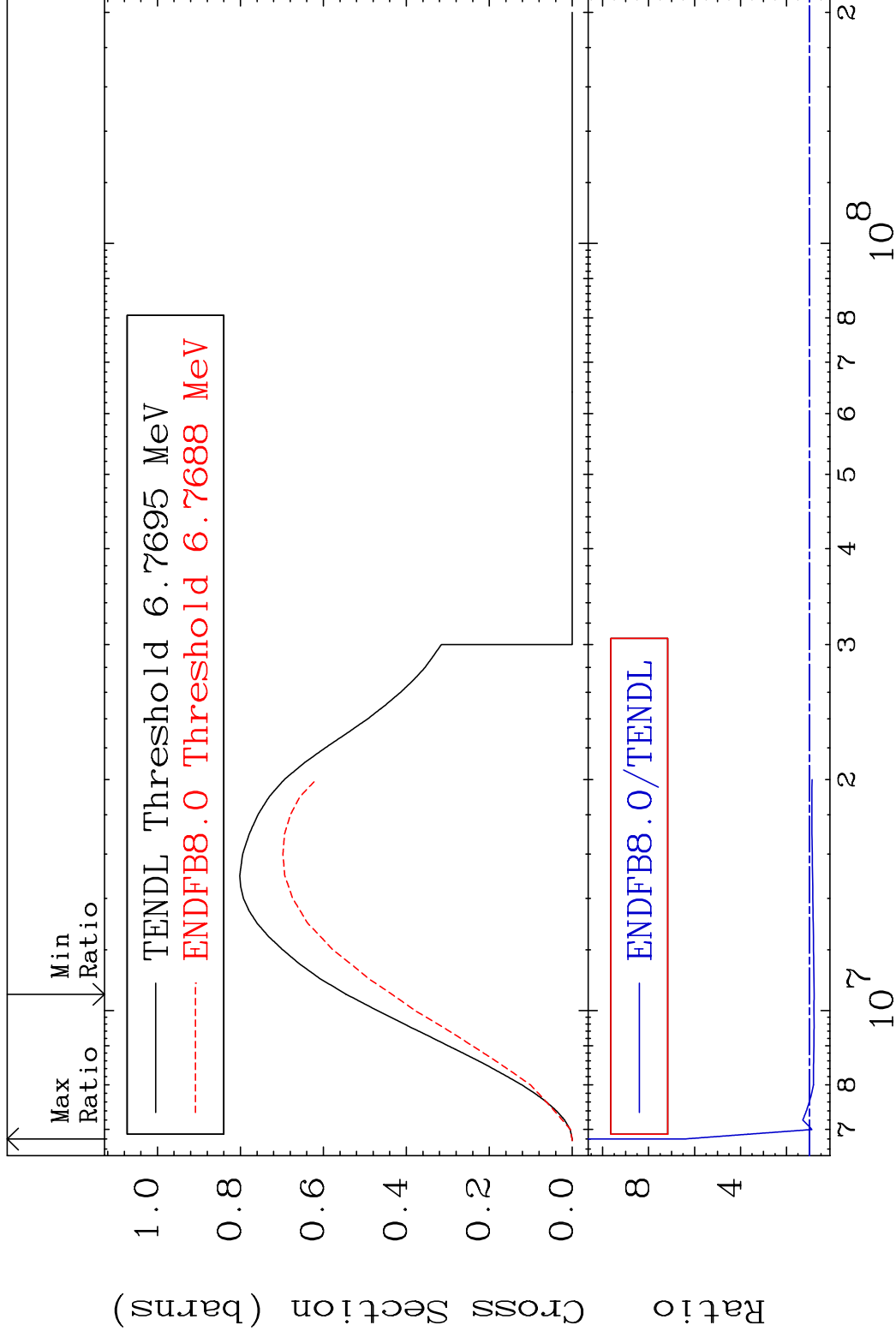


MAT 1834

(n,2n)

18-Ar-39

Cross Section -20.26 To 547.4 %

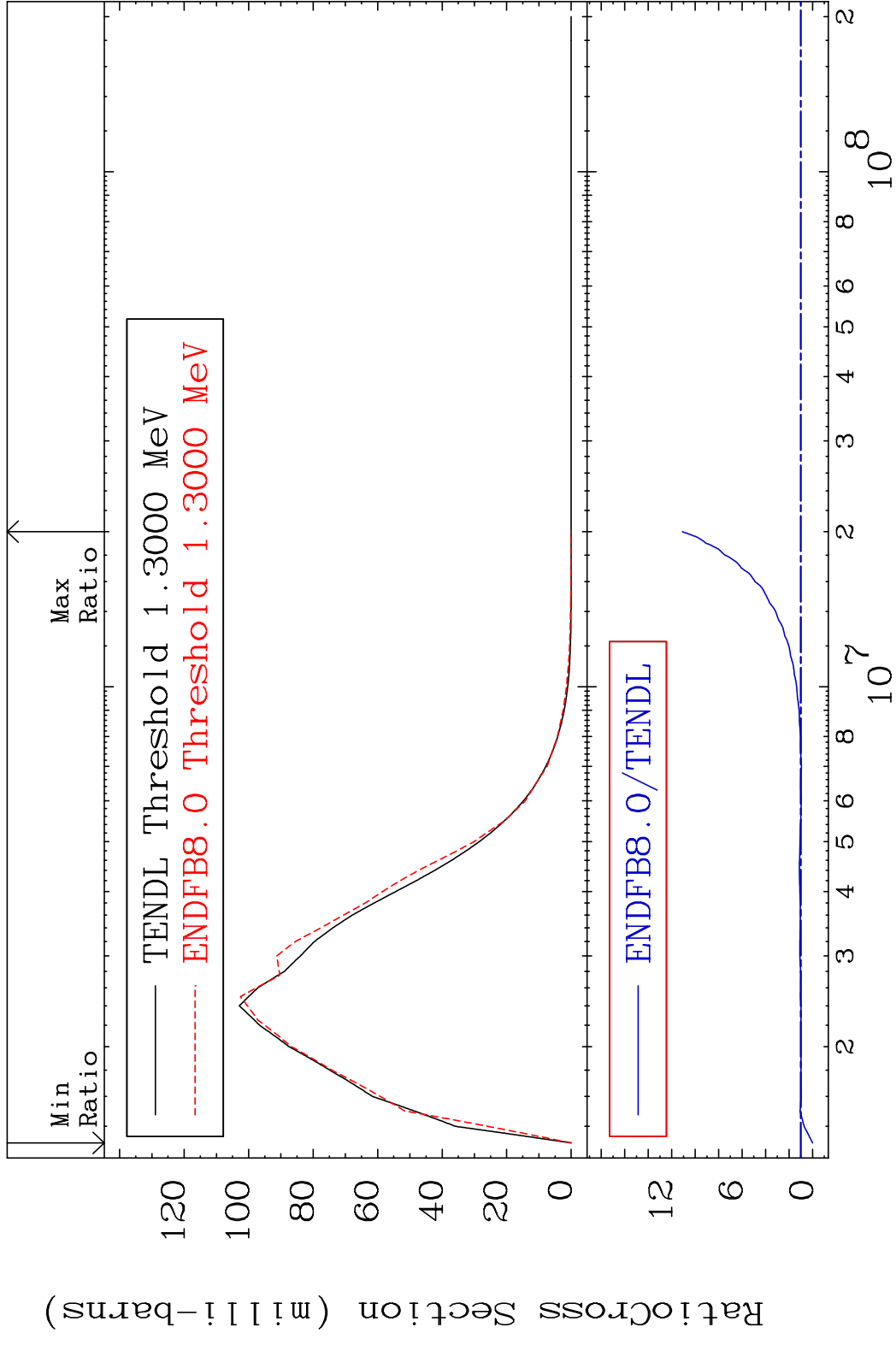


4

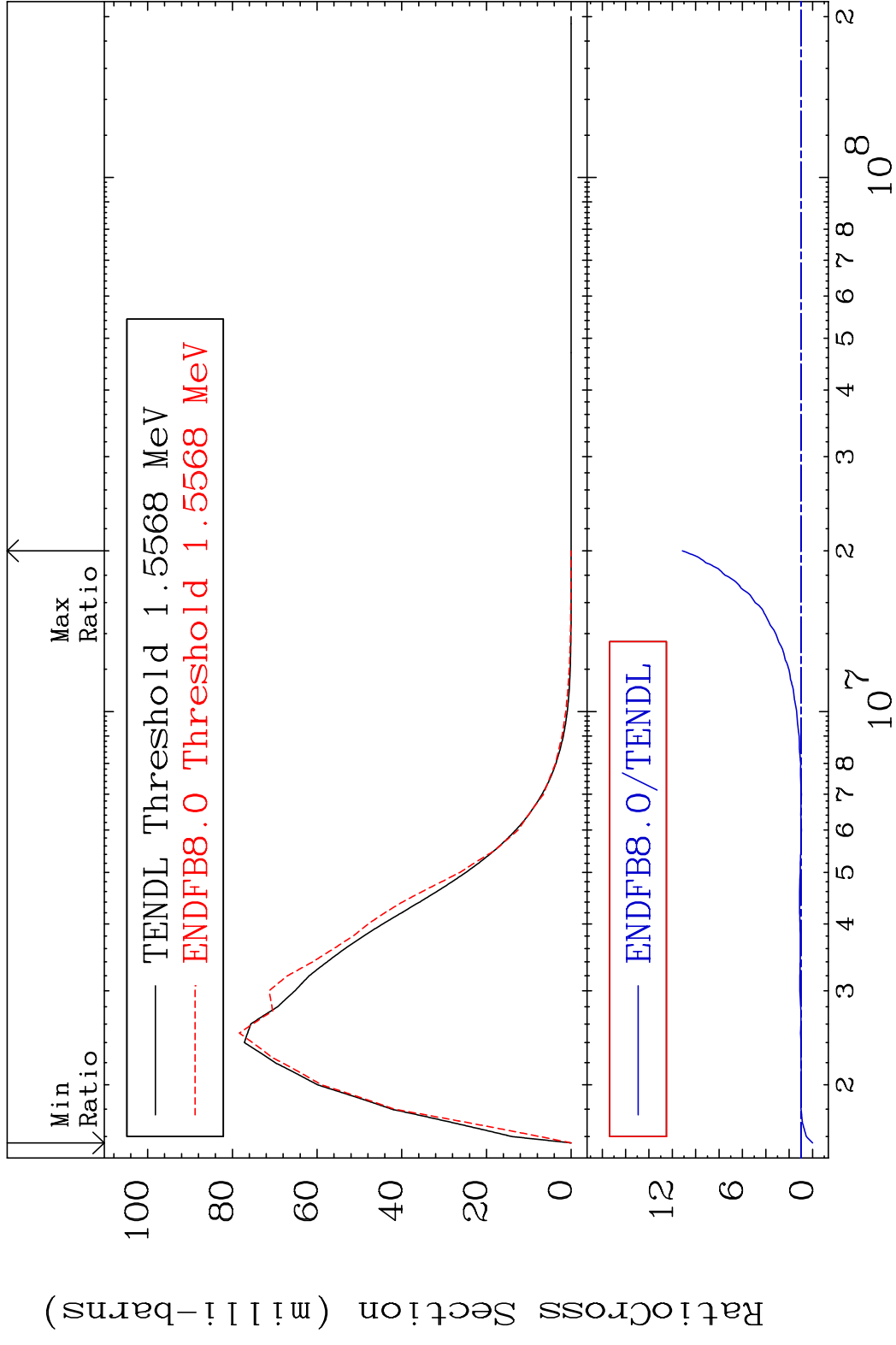
Incident Energy (eV)

18-Ar-39

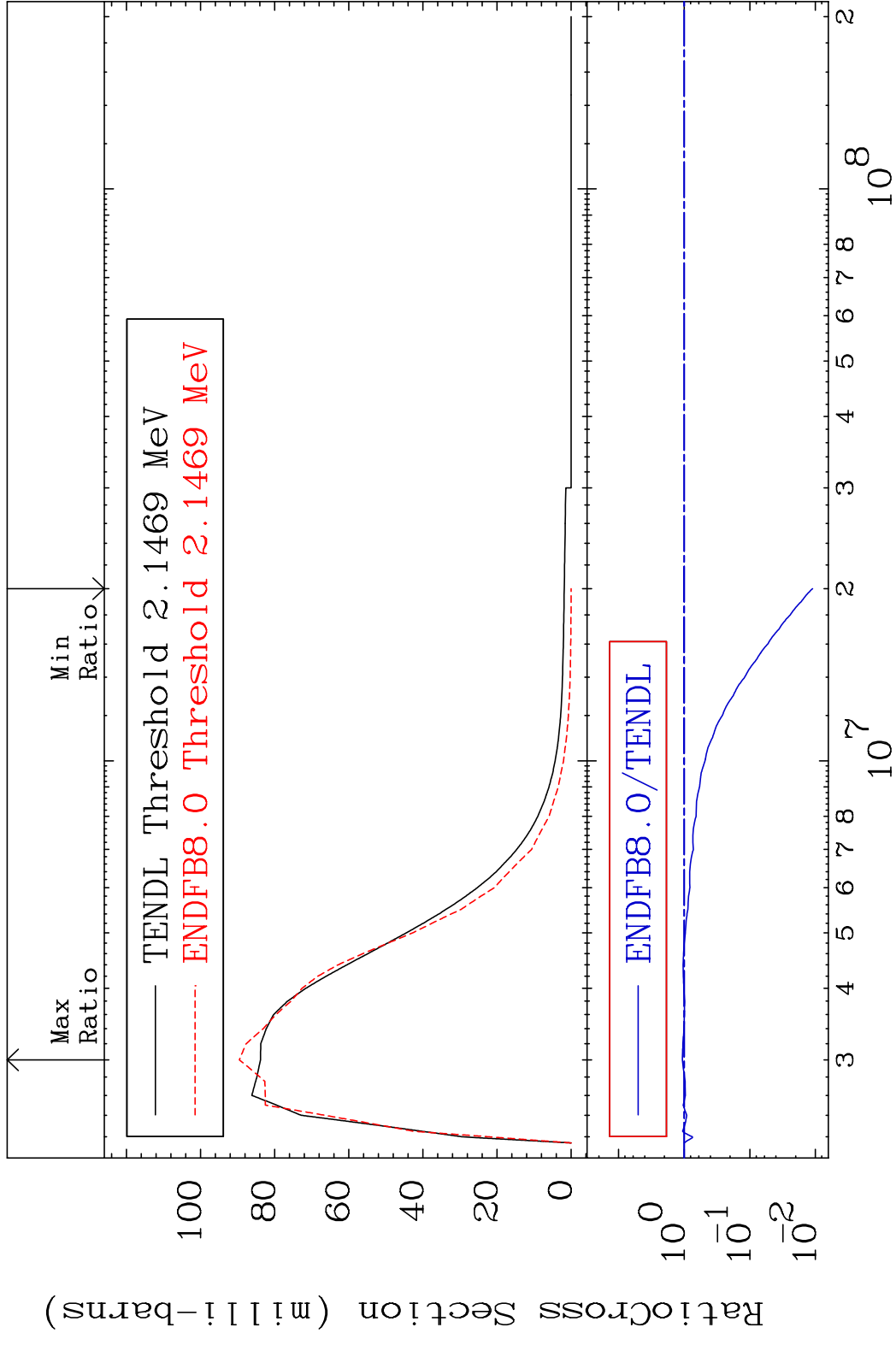
MAT 1834 MT= 51 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 1009. %



MAT 1834 MT= 52 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 1014. %



MAT 1834 MT= 53 (n, n') Level 18-Ar-39  
 Cross Section -98.89 To 6.795 %



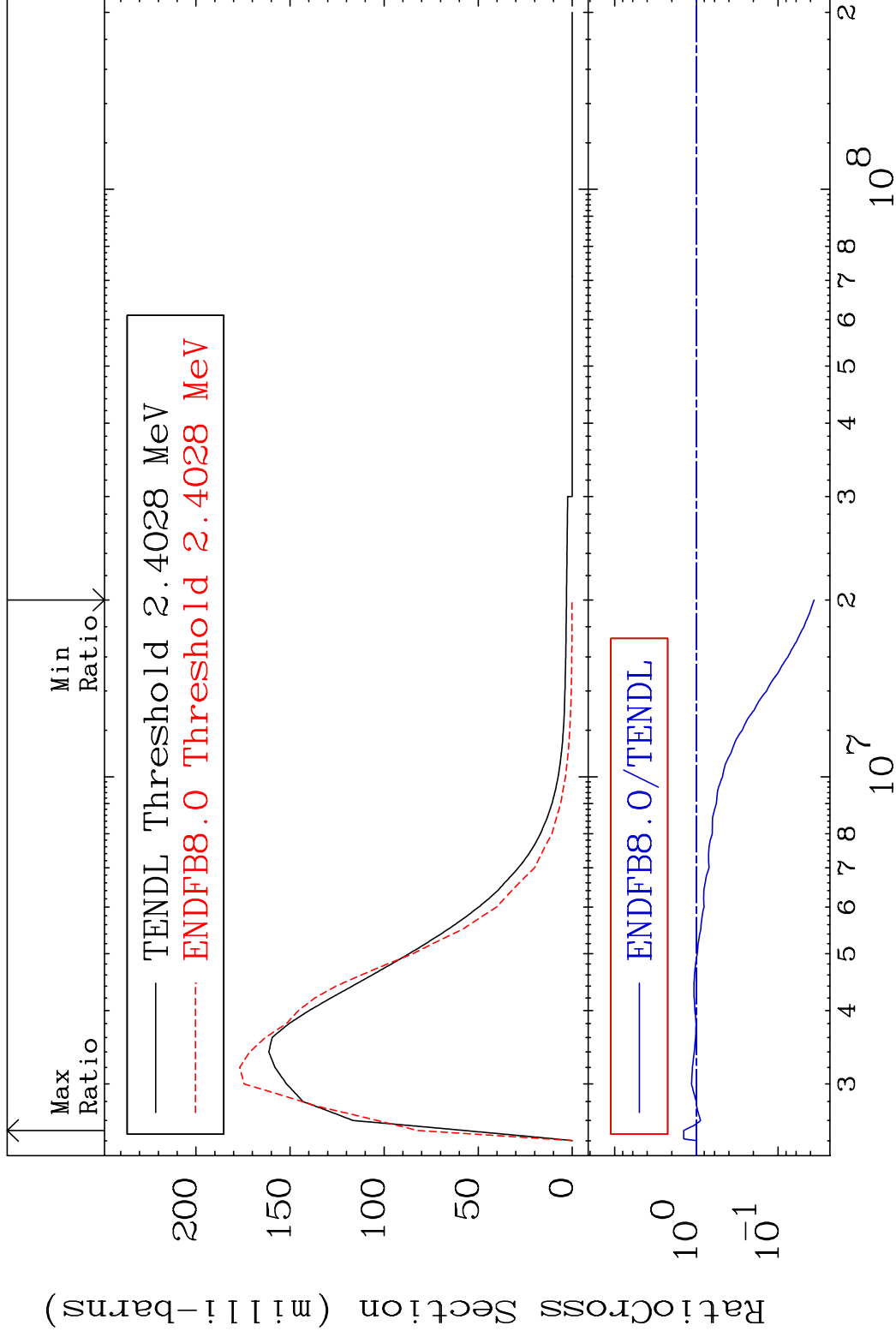


MAT 1834

MT= 54 (n, n') Level

18-Ar-39

Cross Section -96.38 To 43.19 %

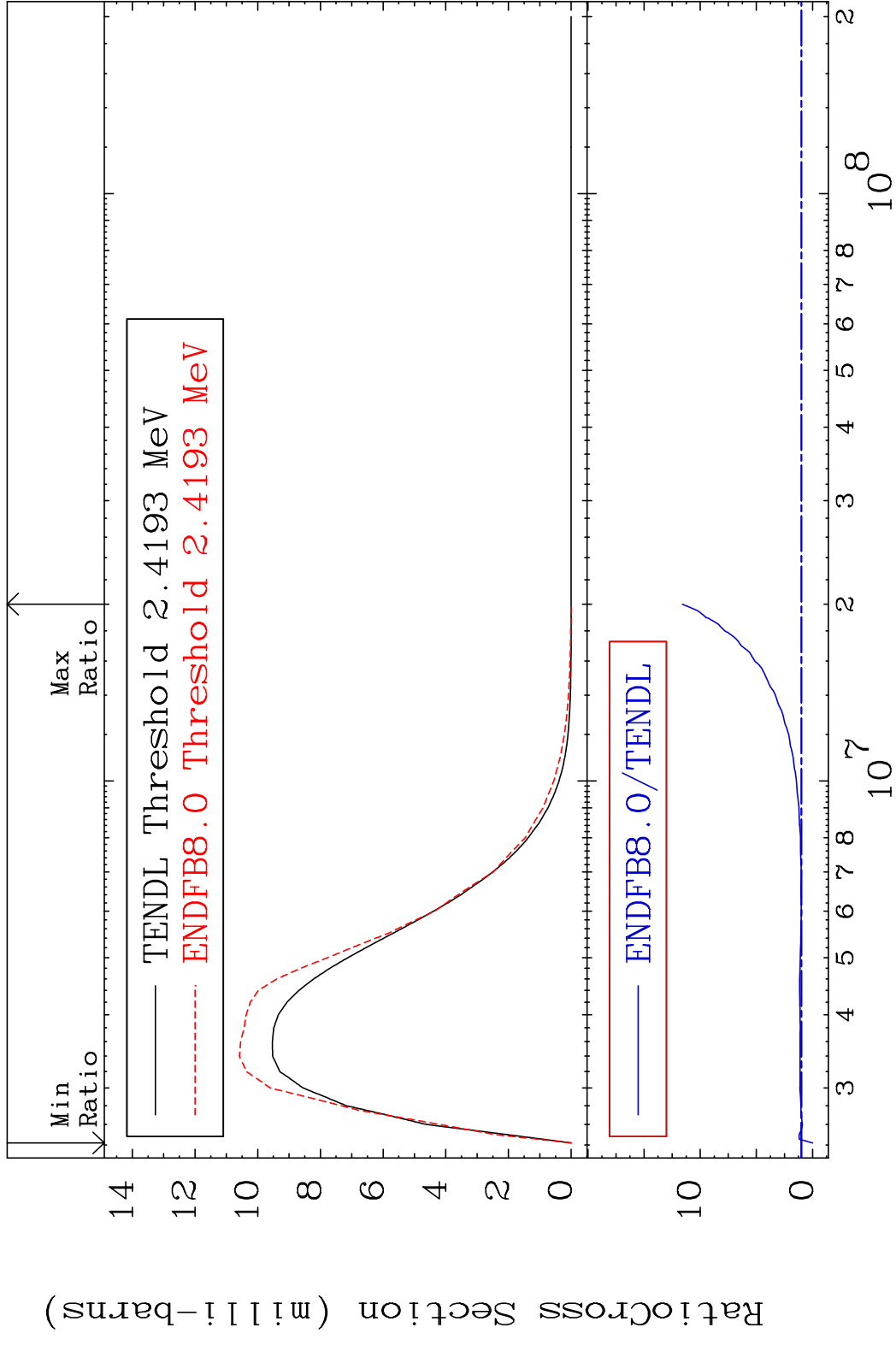


8

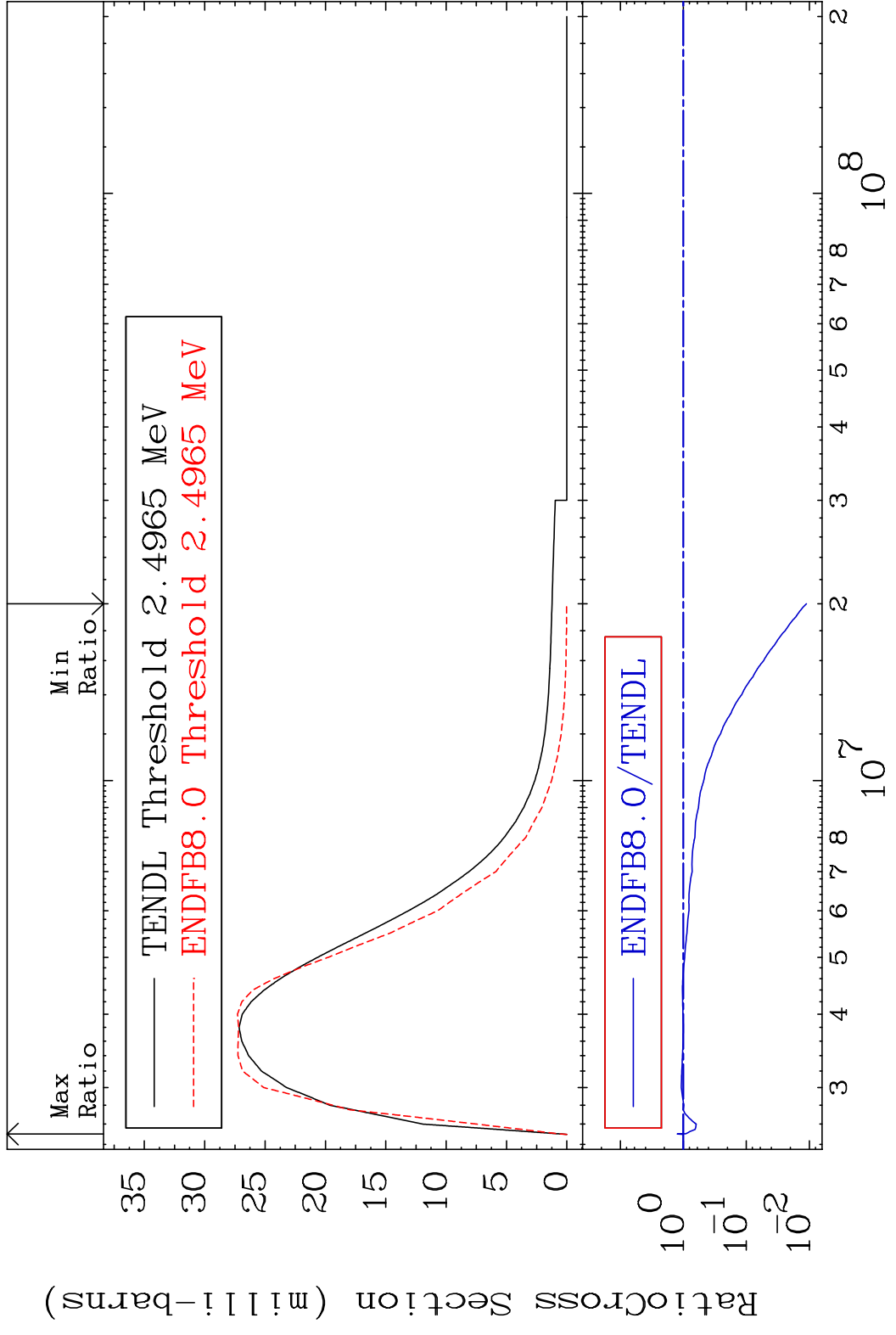
Incident Energy (eV)

18-Ar-39

MAT 1834 MT= 55 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 1059. %

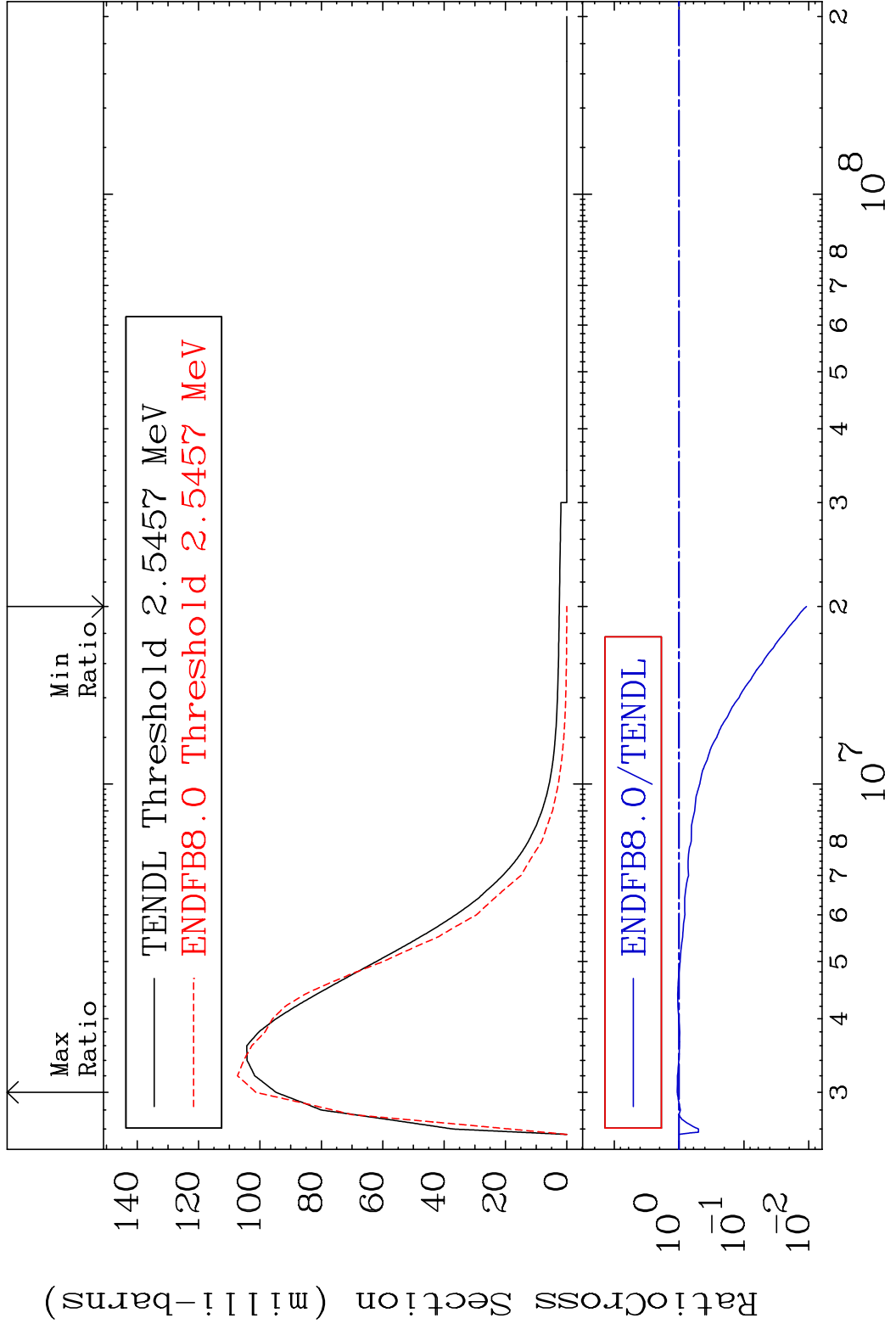


MAT 1834 MT= 56 (n, n') Level 18-Ar-39  
 Cross Section -98.89 To 25.44 %

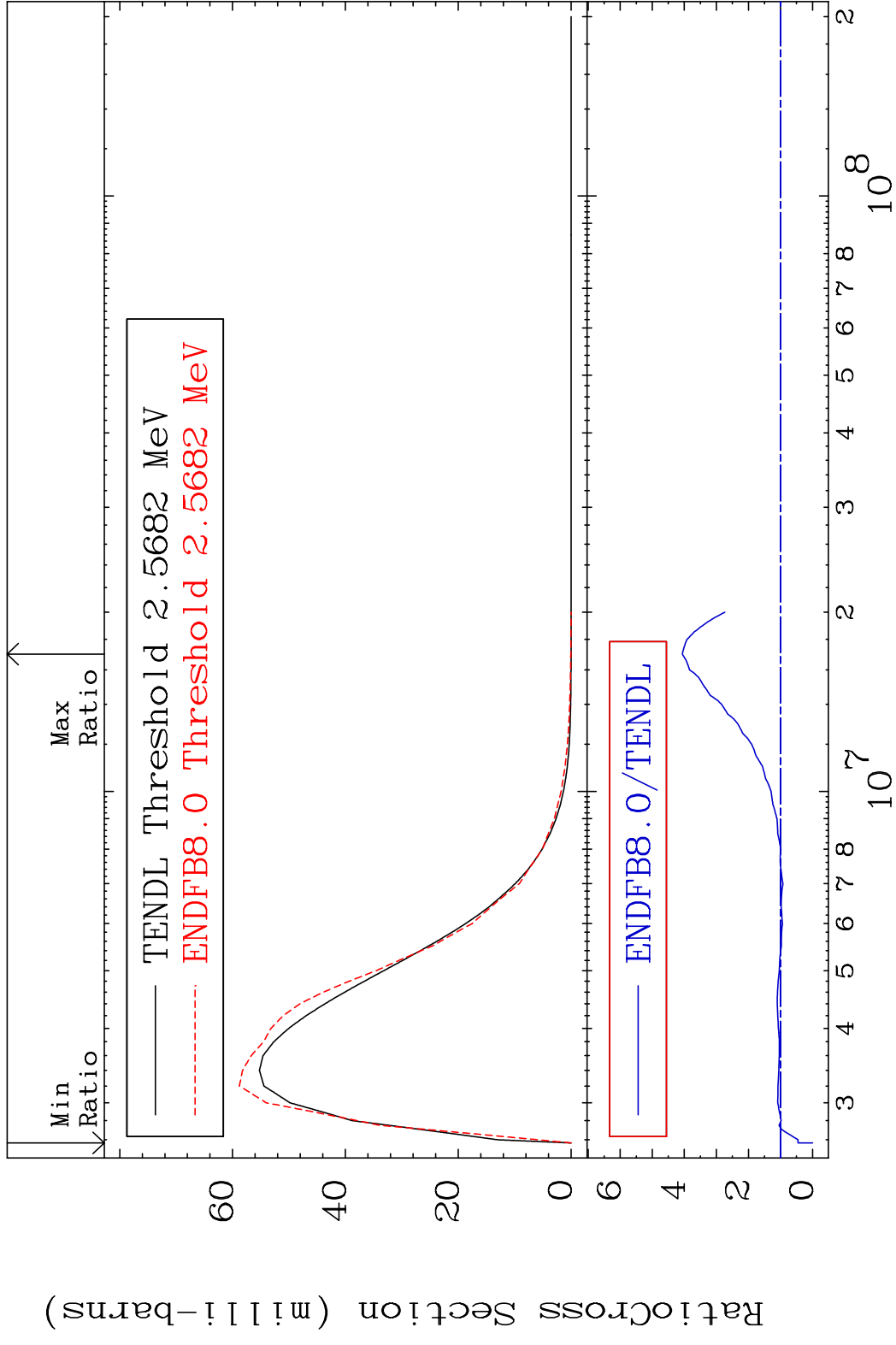


10 Incident Energy (eV) 18-Ar-39

MAT 1834 MT= 57 (n,n') Level 18-Ar-39  
 Cross Section -98.91 To 6.898 %

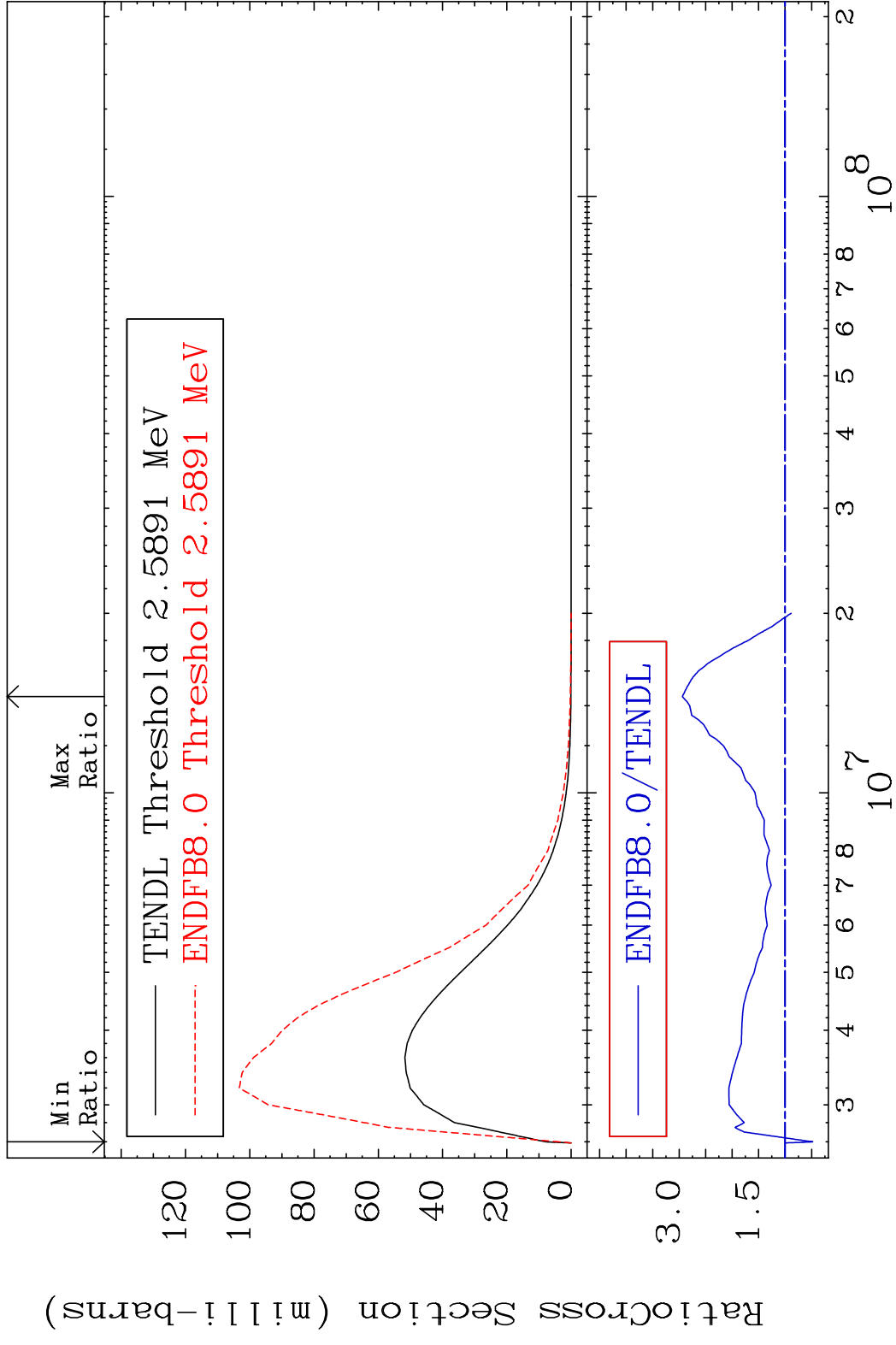


MAT 1834 MT= 58 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 306.1 %

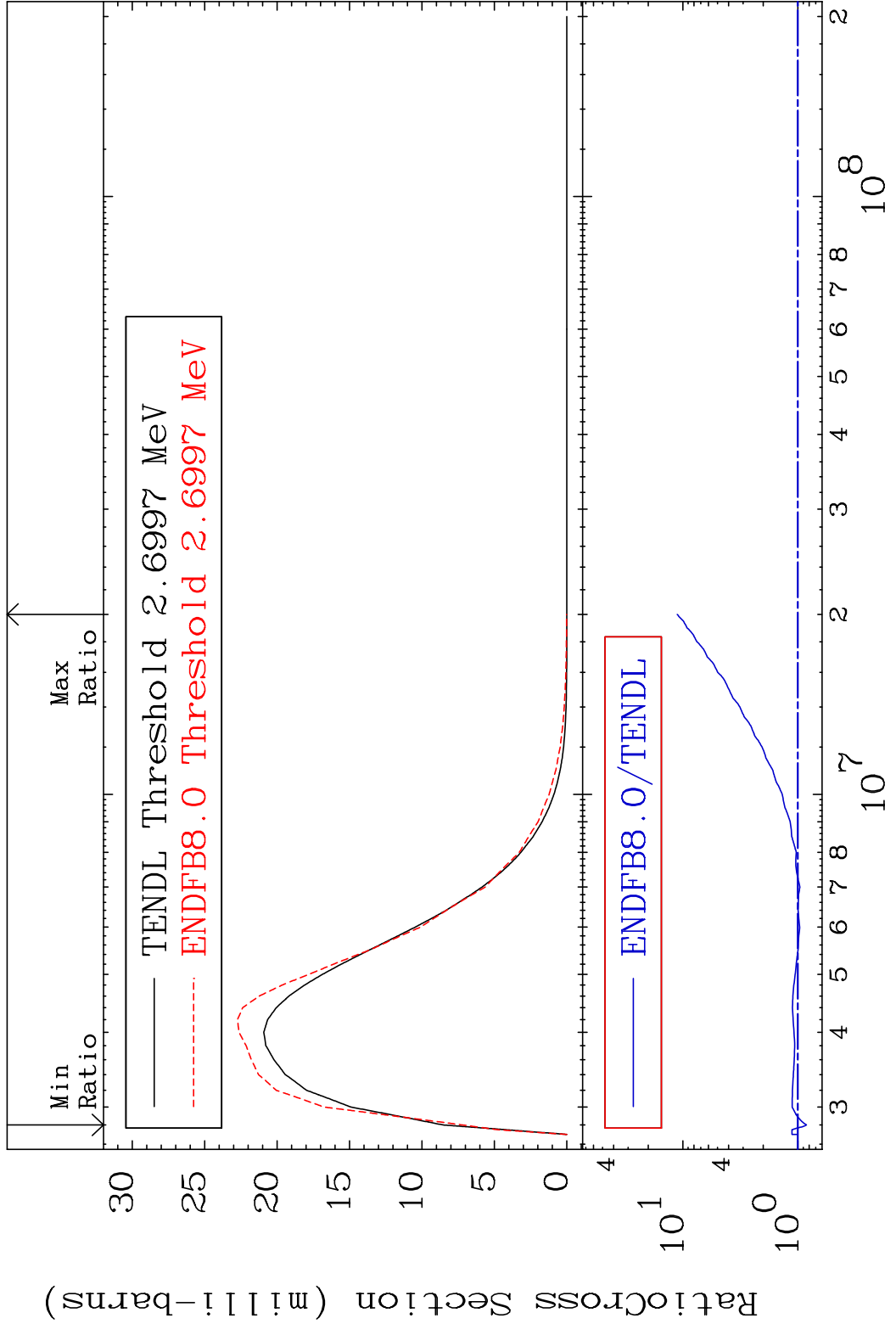


12 18-Ar-39

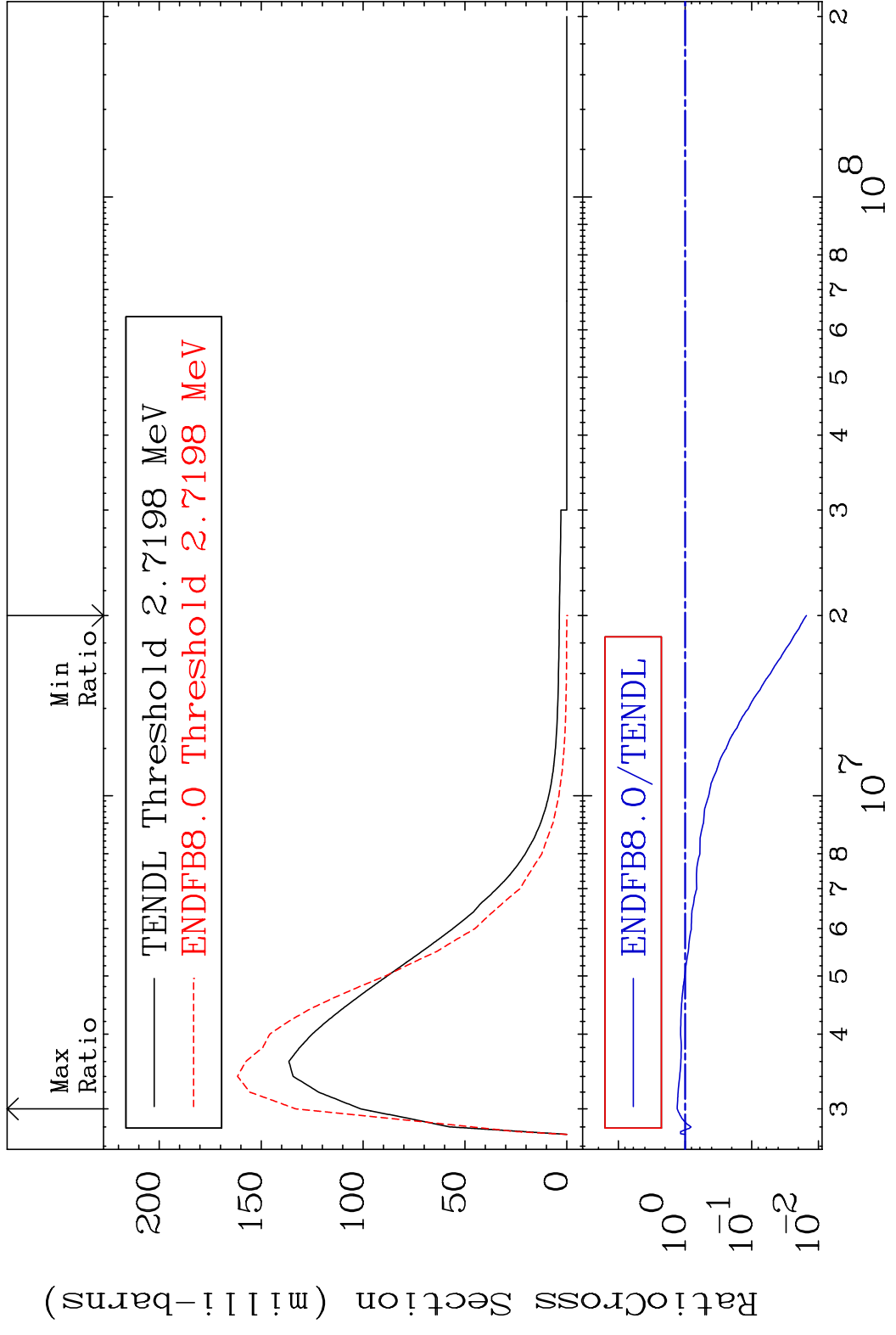
MAT 1834 MT= 59 (n,n') Level 18-Ar-39  
 Cross Section -51.77 To 193.9 %



MAT 1834 MT= 60 (n, n') Level 18-Ar-39  
 Cross Section -15.56 To 1022. %



MAT 1834 MT= 61 (n, n') Level 18-Ar-39  
 Cross Section -98.49 To 31.37 %



15 Incident Energy (eV) 18-Ar-39

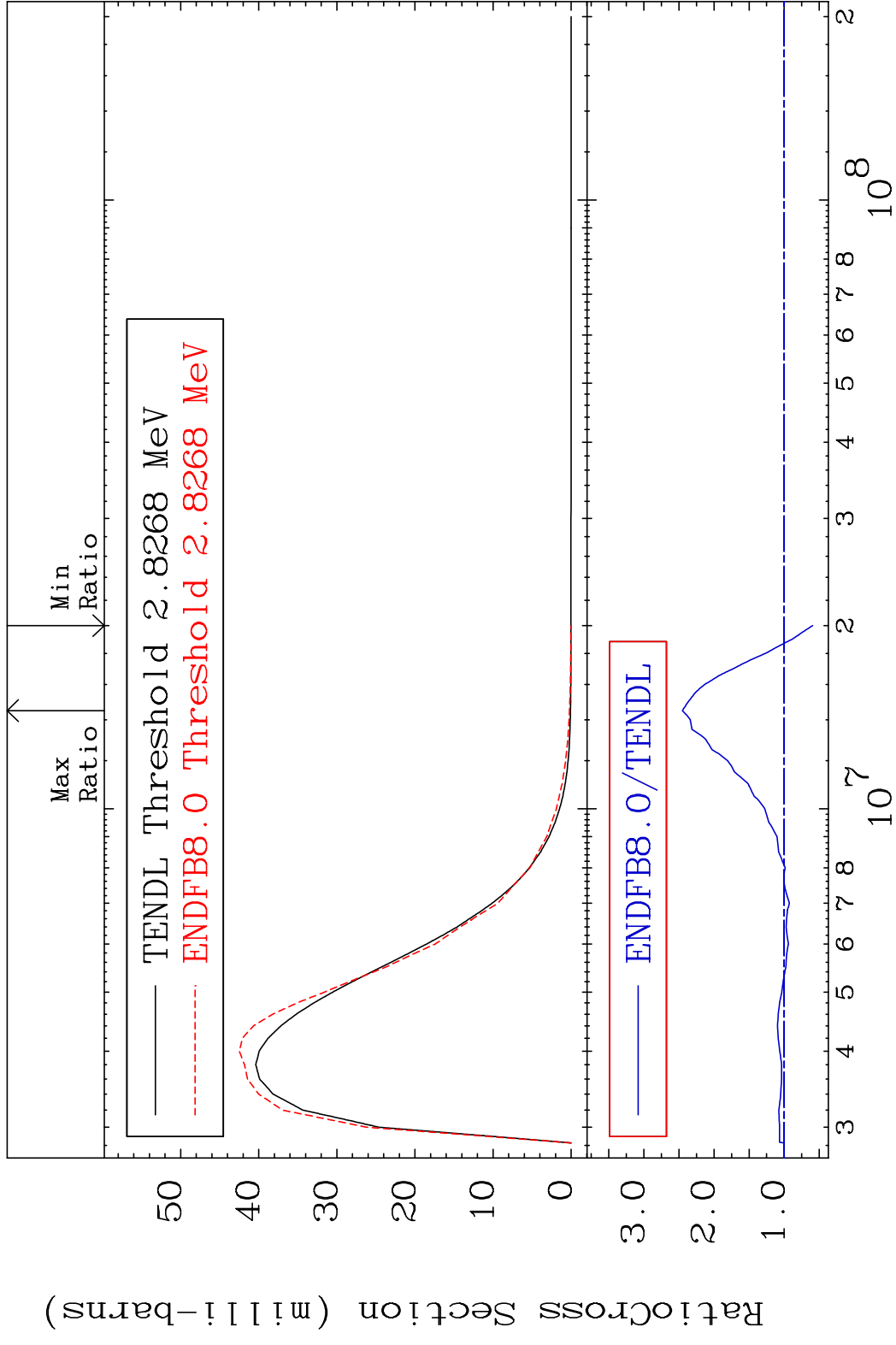


MAT 1834

MT= 62 (n, n') Level

18-Ar-39

Cross Section -40.43 To 145.1 %

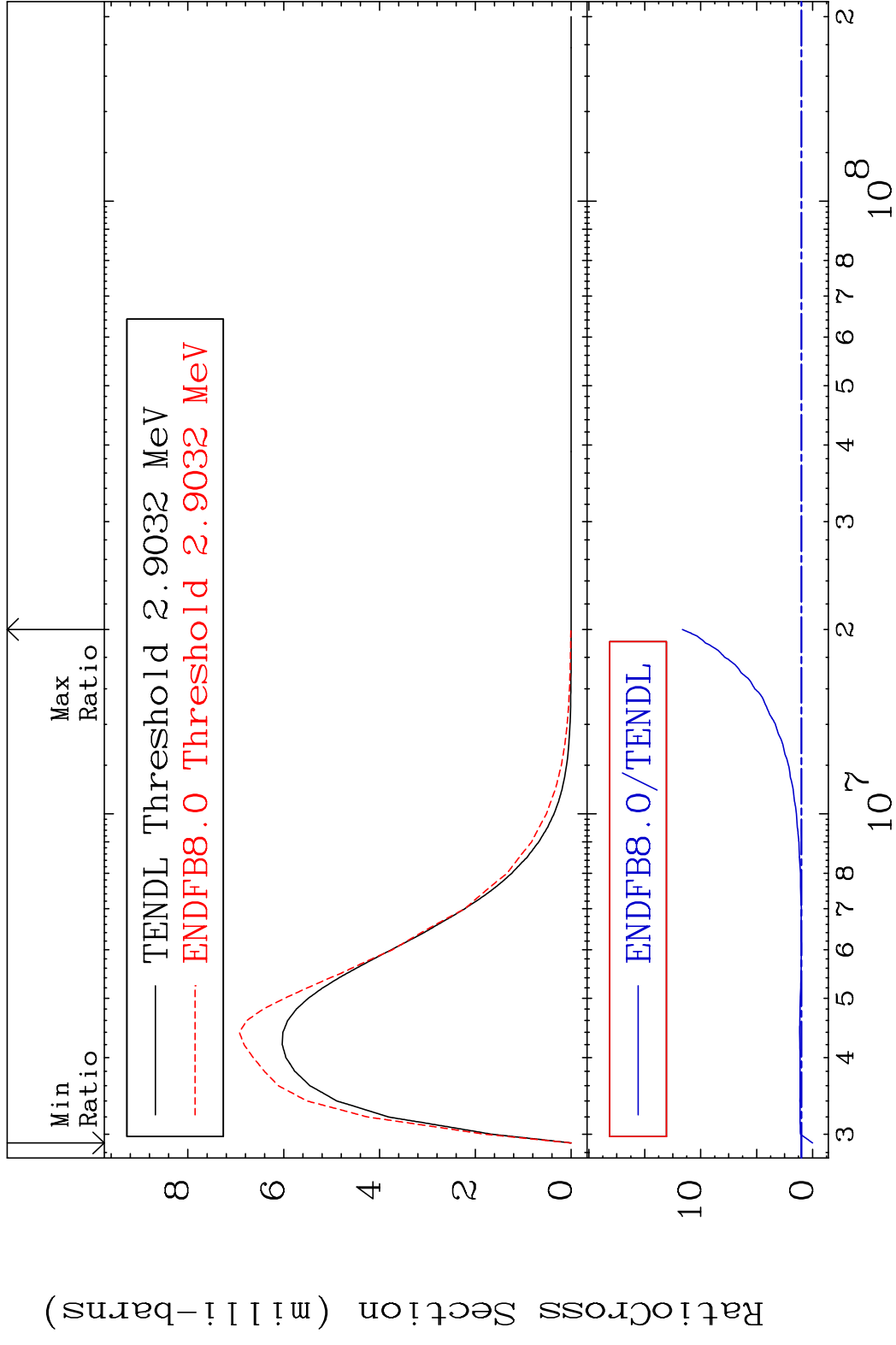


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Incident Energy (eV)

18-Ar-39

MAT 1834 MT= 63 (n,n') Level 18-Ar-39  
 Cross Section -100.0 To 1064. %

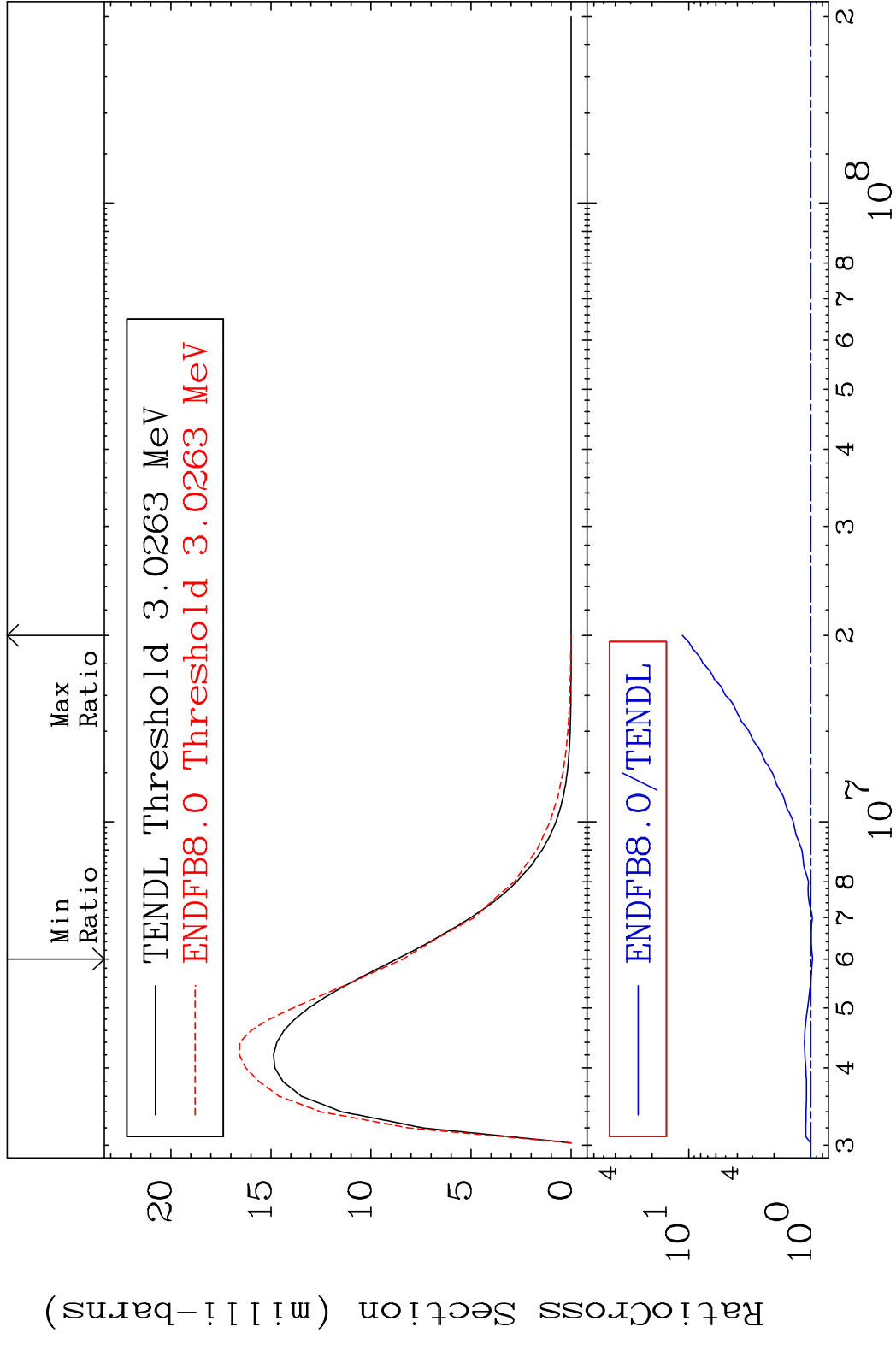


MAT 1834

MT= 64 (n, n') Level

18-Ar-39

Cross Section -3.506 To 1029. %

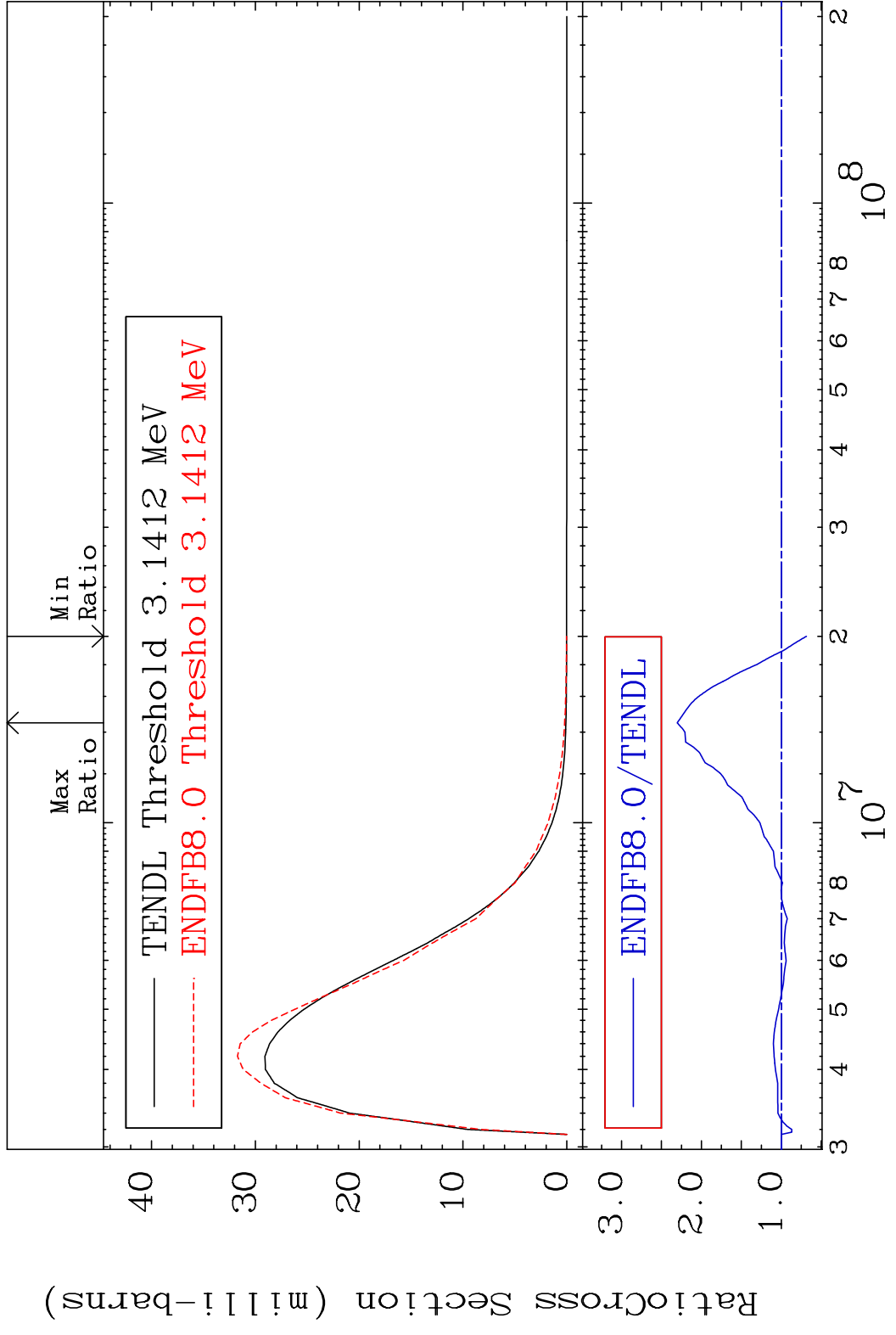


18

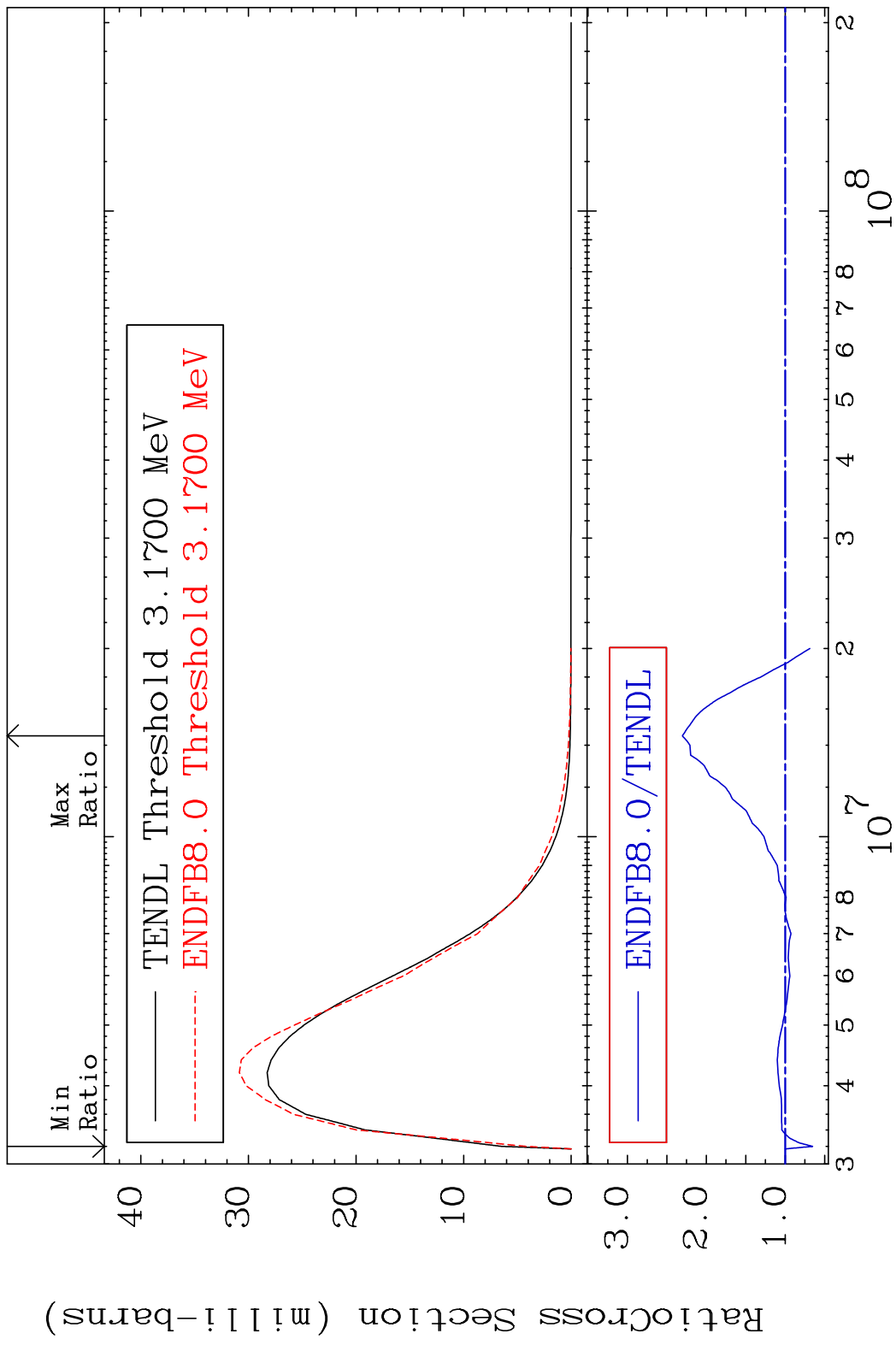
Incident Energy (eV)

18-Ar-39

MAT 1834 MT= 65 (n, n') Level 18-Ar-39  
 Cross Section -31.38 To 130.4 %

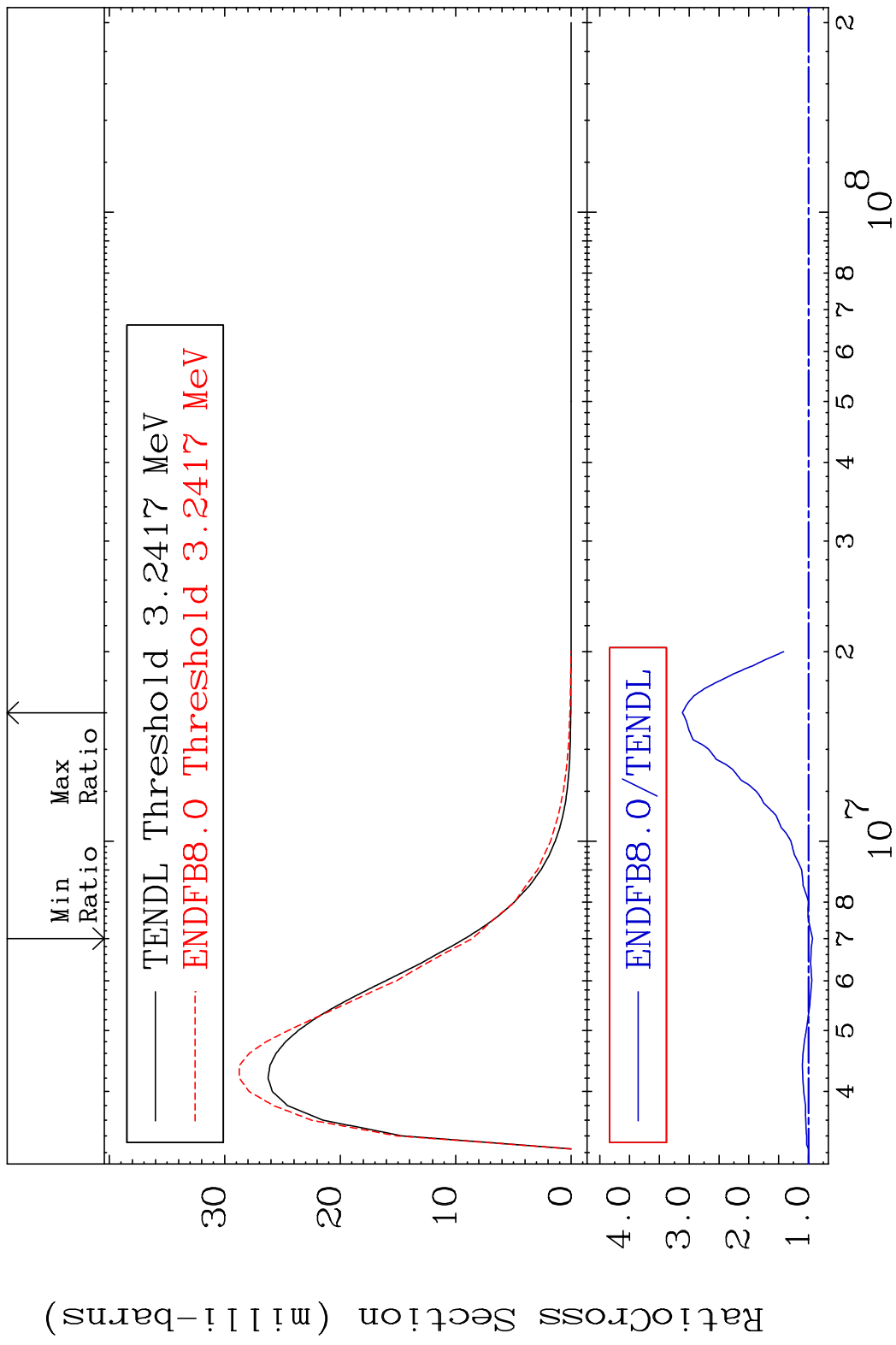


MAT 1834 MT= 66 (n,n') Level 18-Ar-39  
 Cross Section -34.71 To 130.4 %

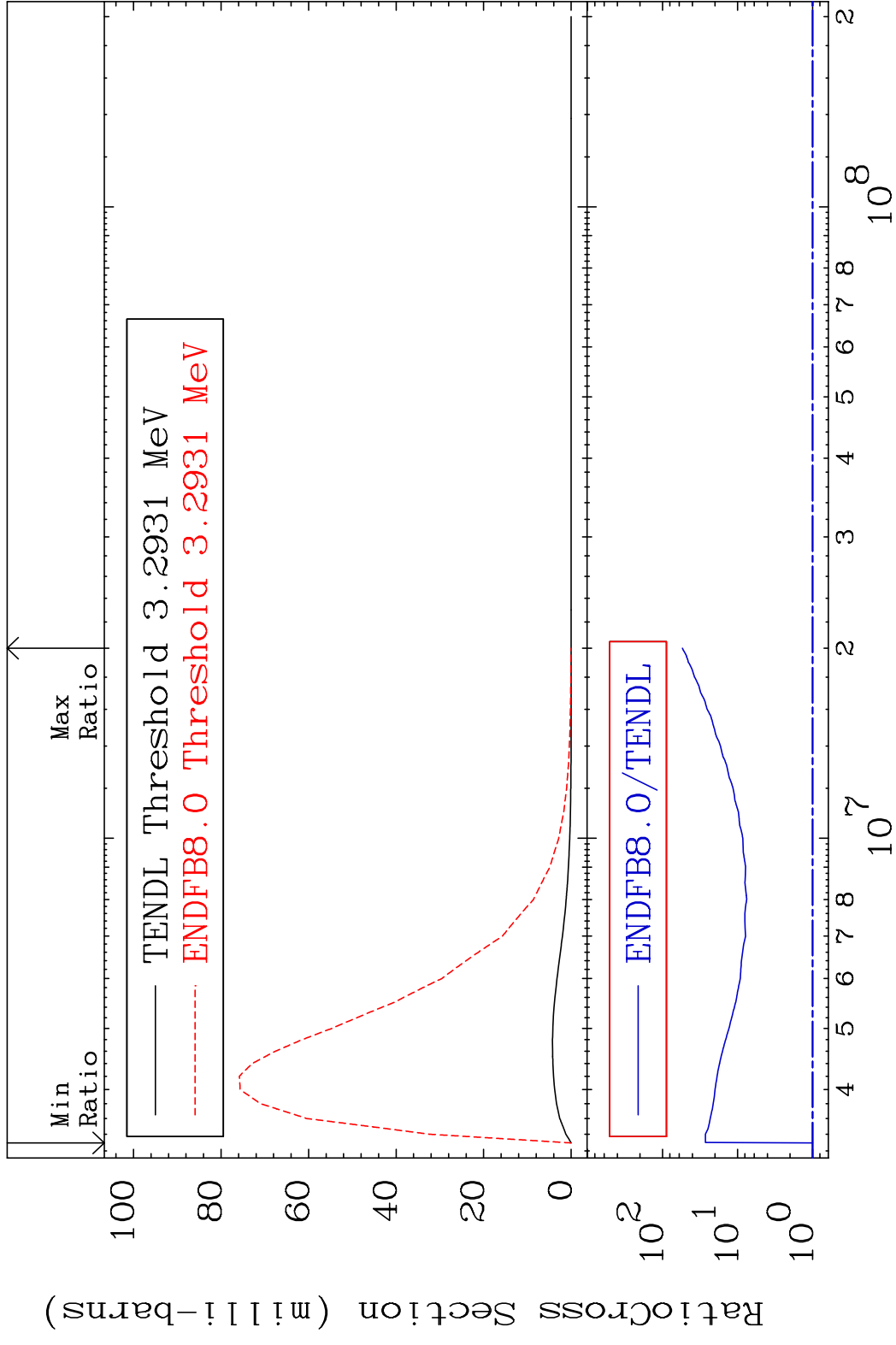


20 18-Ar-39

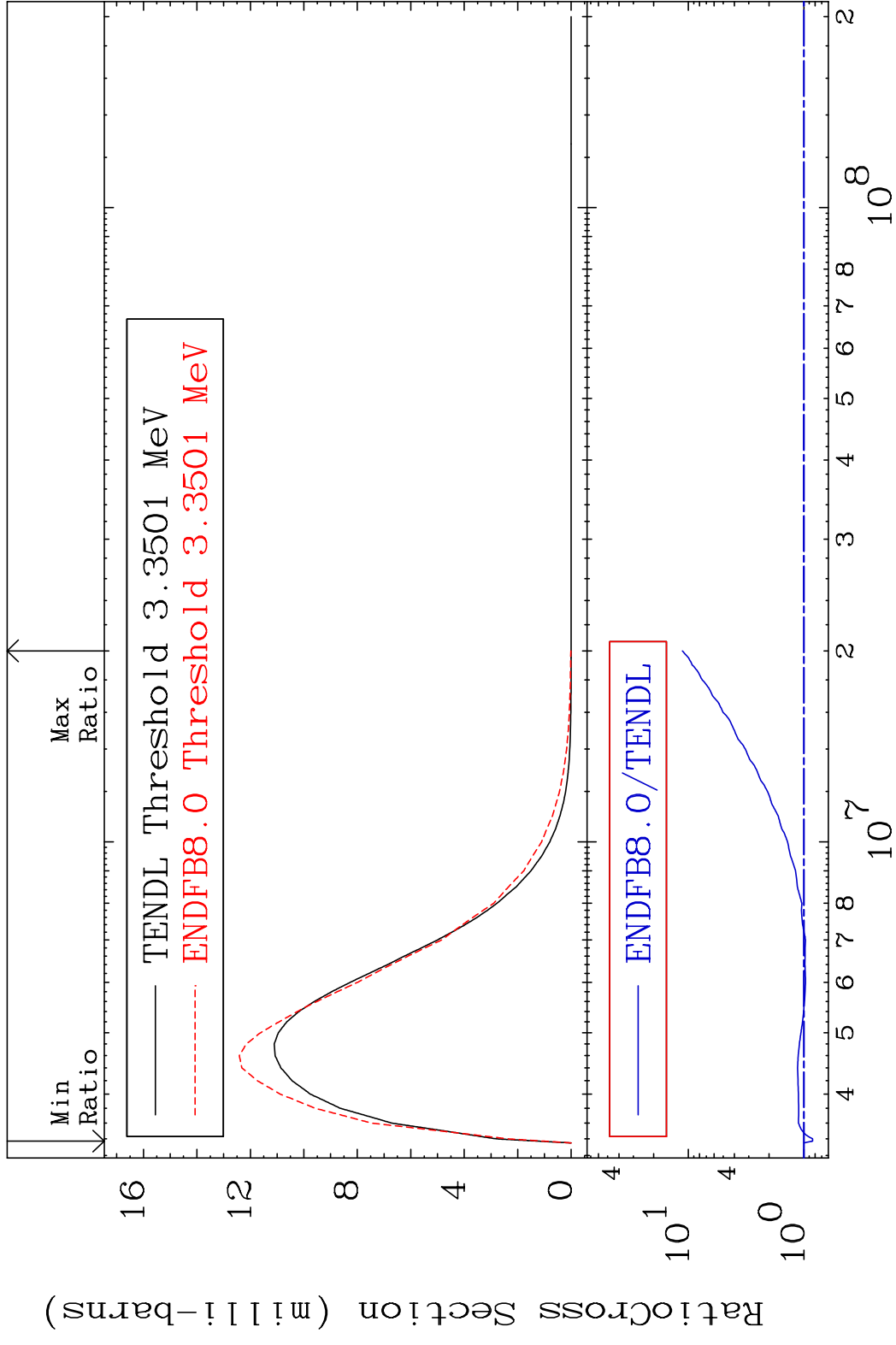
MAT 1834 MT= 67 (n,n') Level 18-Ar-39  
 Cross Section -6.967 To 211.5 %



MAT 1834 MT= 68 (n, n') Level 18-Ar-39  
 Cross Section 0.000 To 5345. %

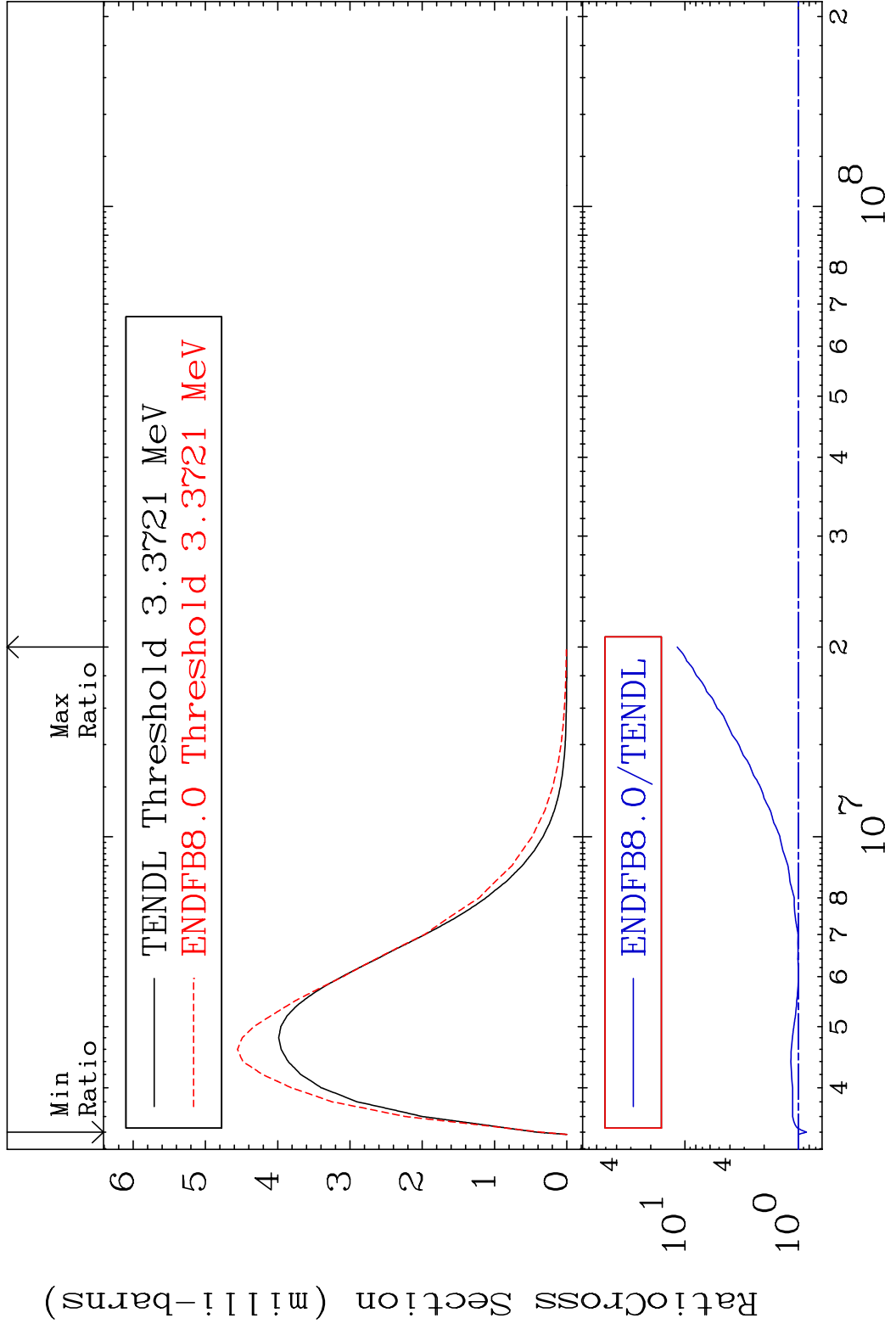


MAT 1834 MT= 69 (n, n') Level 18-Ar-39  
 Cross Section -15.85 To 1028. %

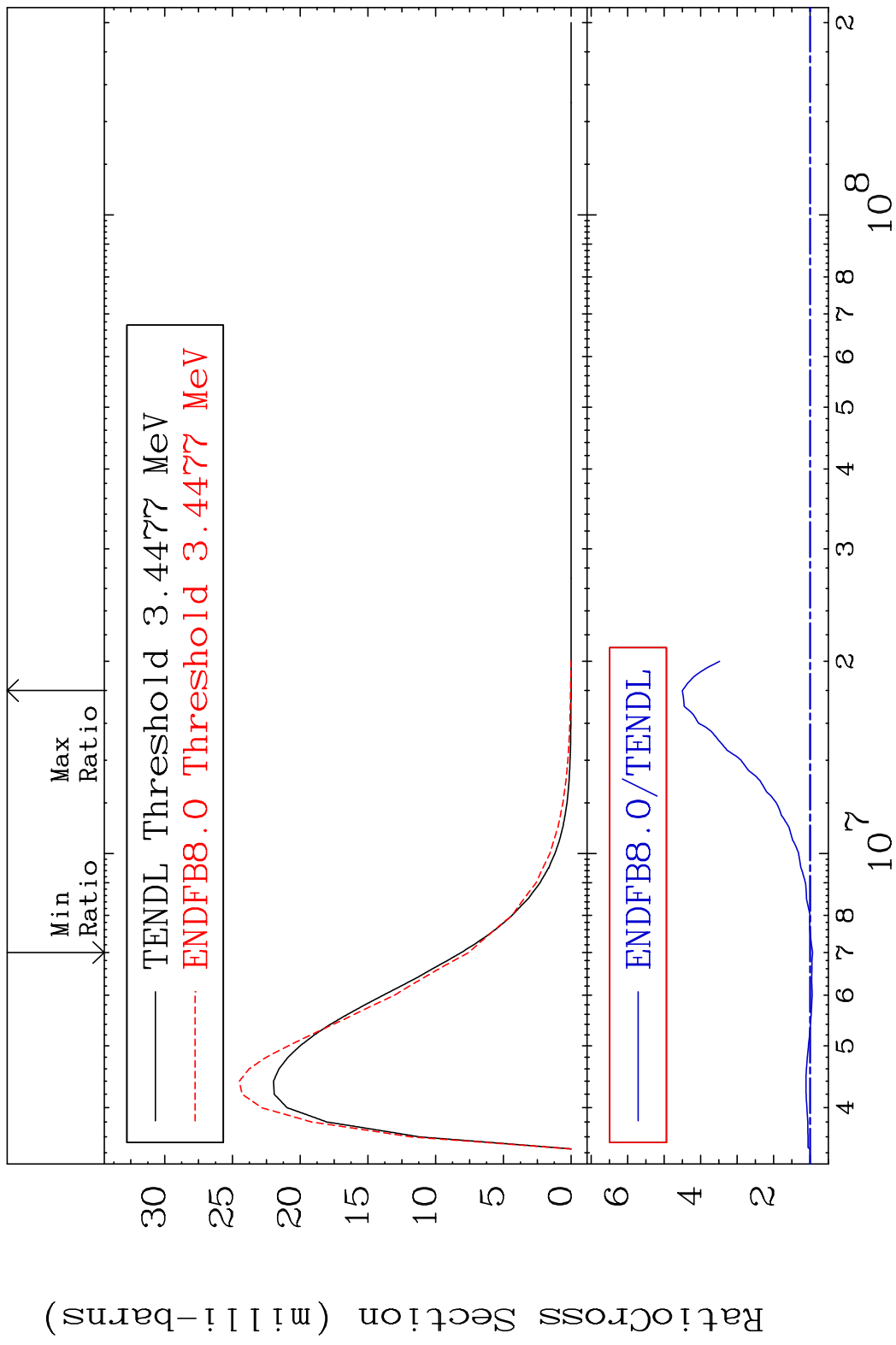




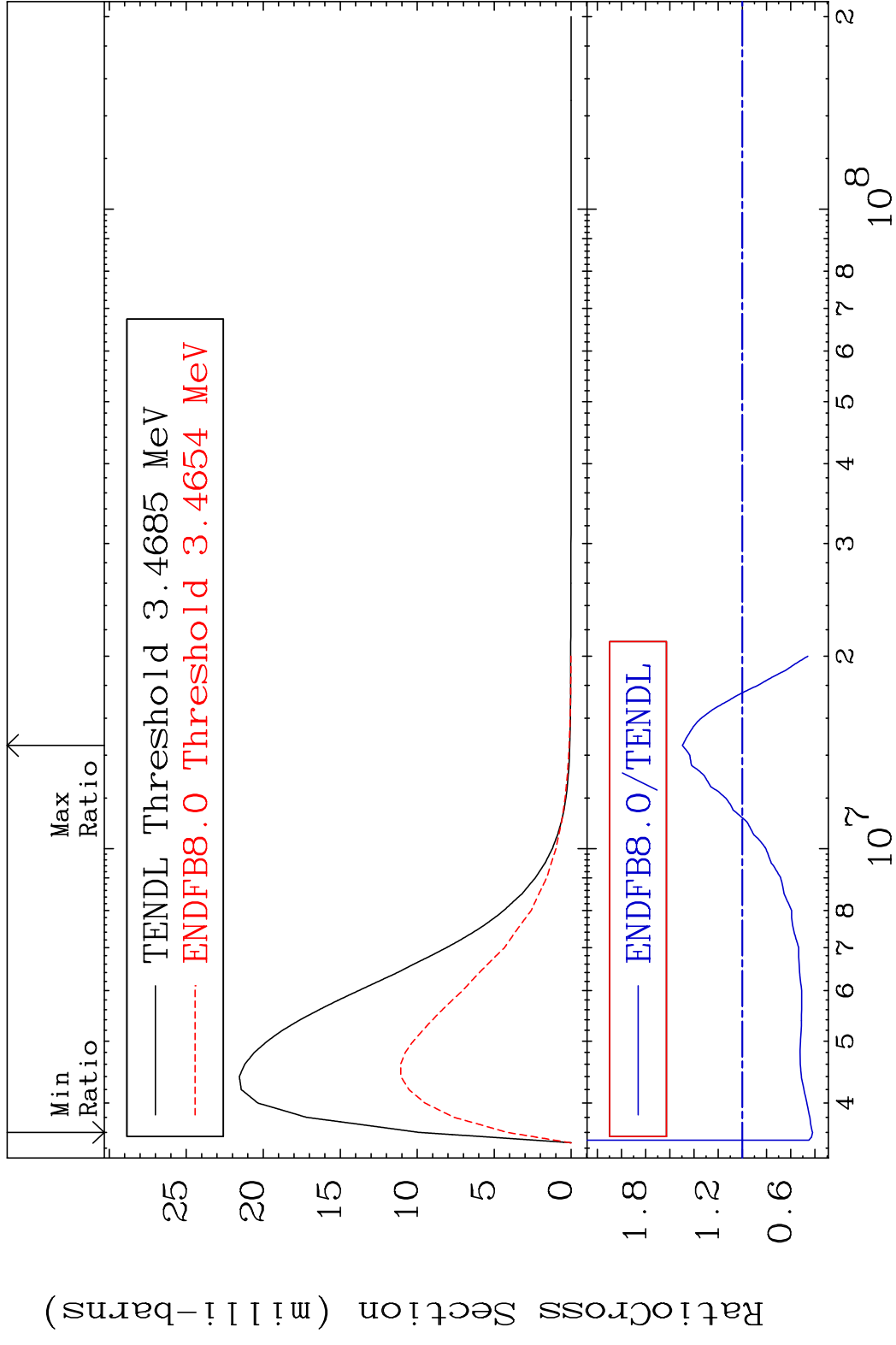
MAT 1834 MT= 70 (n,n') Level 18-Ar-39  
 Cross Section -15.30 To 1069. %



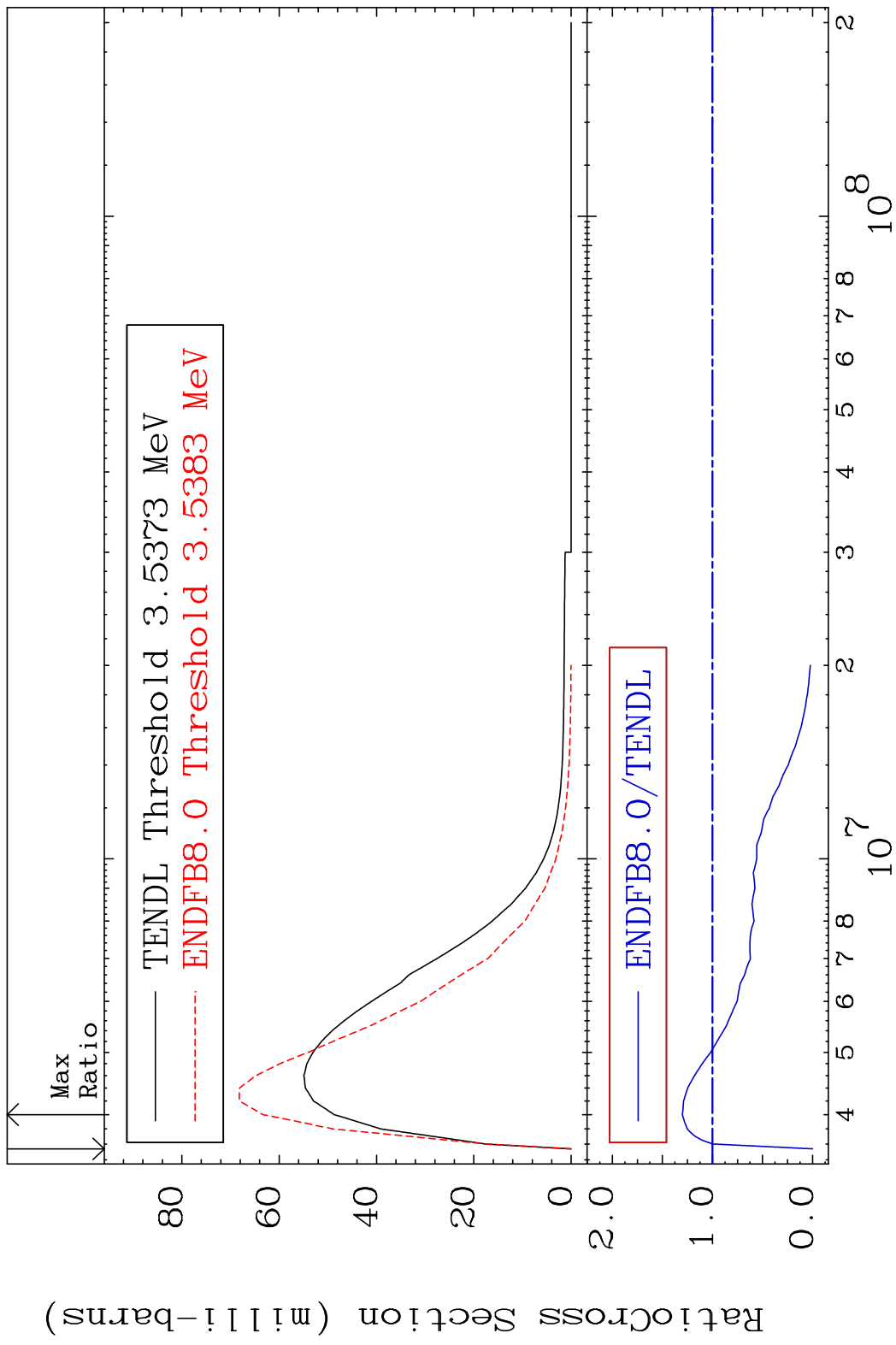
MAT 1834 MT= 71 (n, n') Level 18-Ar-39  
 Cross Section -6.822 To 350.0 %



MAT 1834 MT= 72 (n,n') Level 18-Ar-39  
 Cross Section -57.98 To 49.68 %



MAT 1834 MT= 73 (n, n') Level 18-Ar-39  
 Cross Section -100.0 To 30.05 %

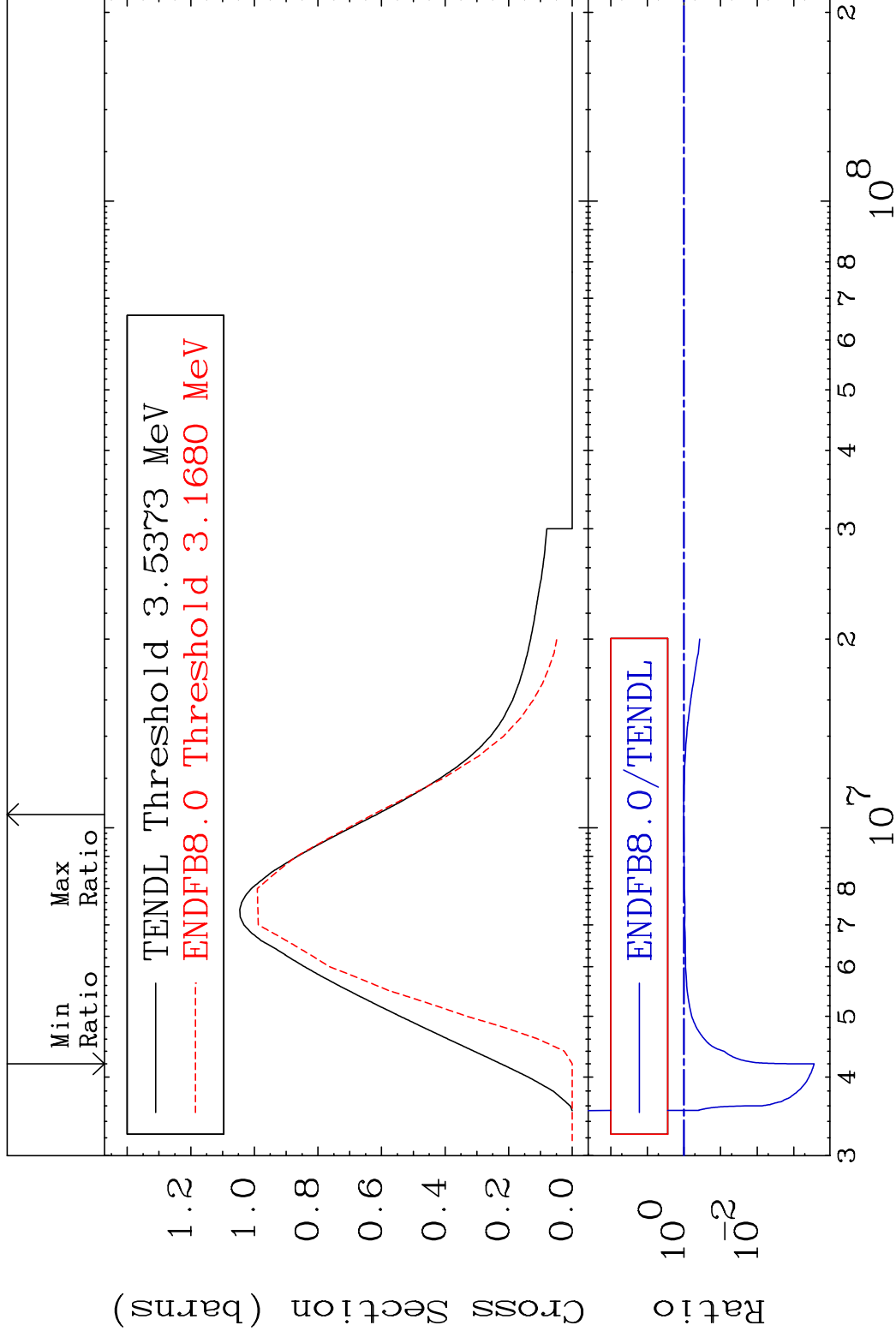


MAT 1834

(n, n') Continuum

18-Ar-39

Cross Section -99.97 To 1.836 %



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Incident Energy (eV)

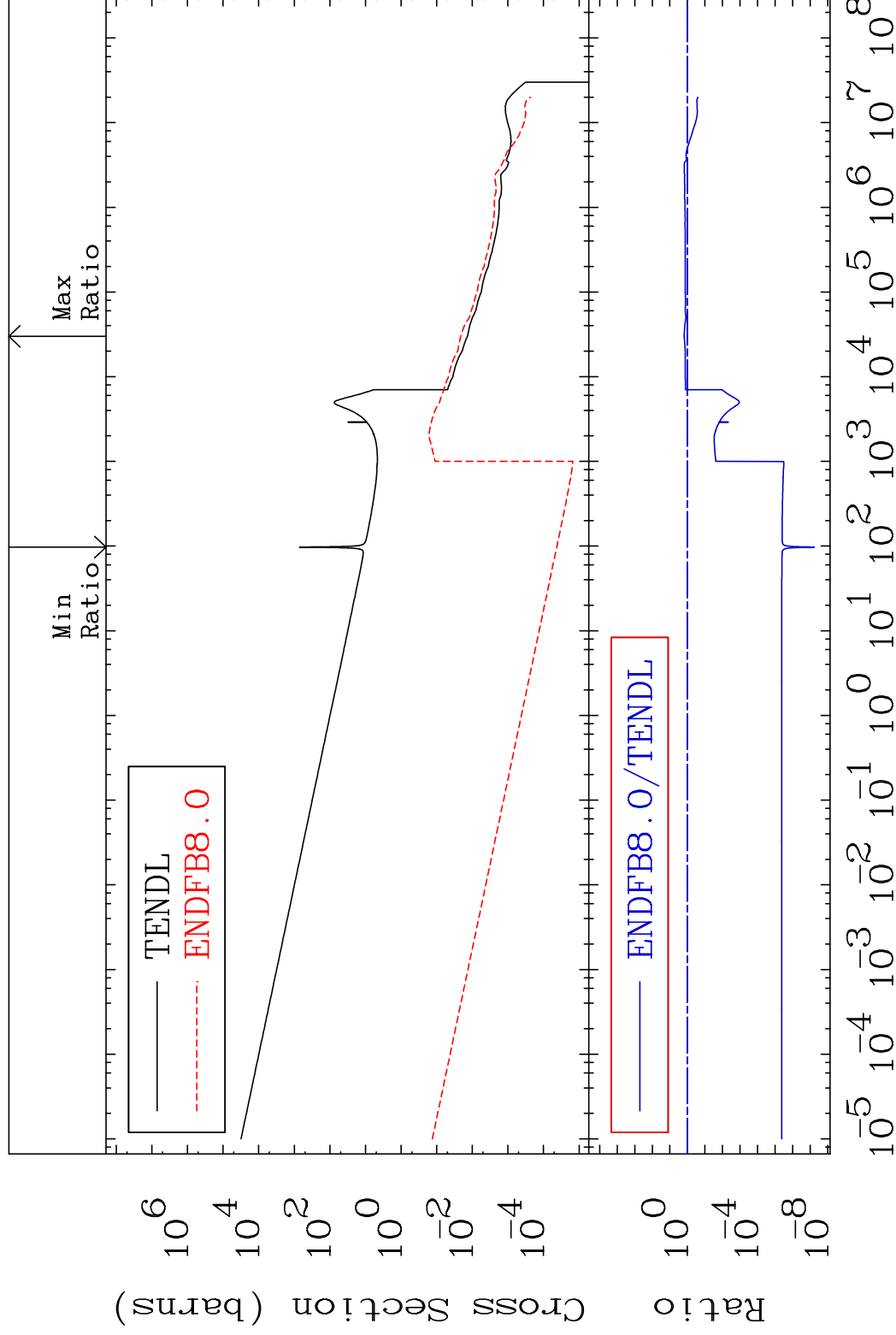
18-Ar-39

MAT 1834

(n,  $\gamma$ )

18-Ar-39

Cross Section -100.0 To 54.83 %



29

Incident Energy (eV)

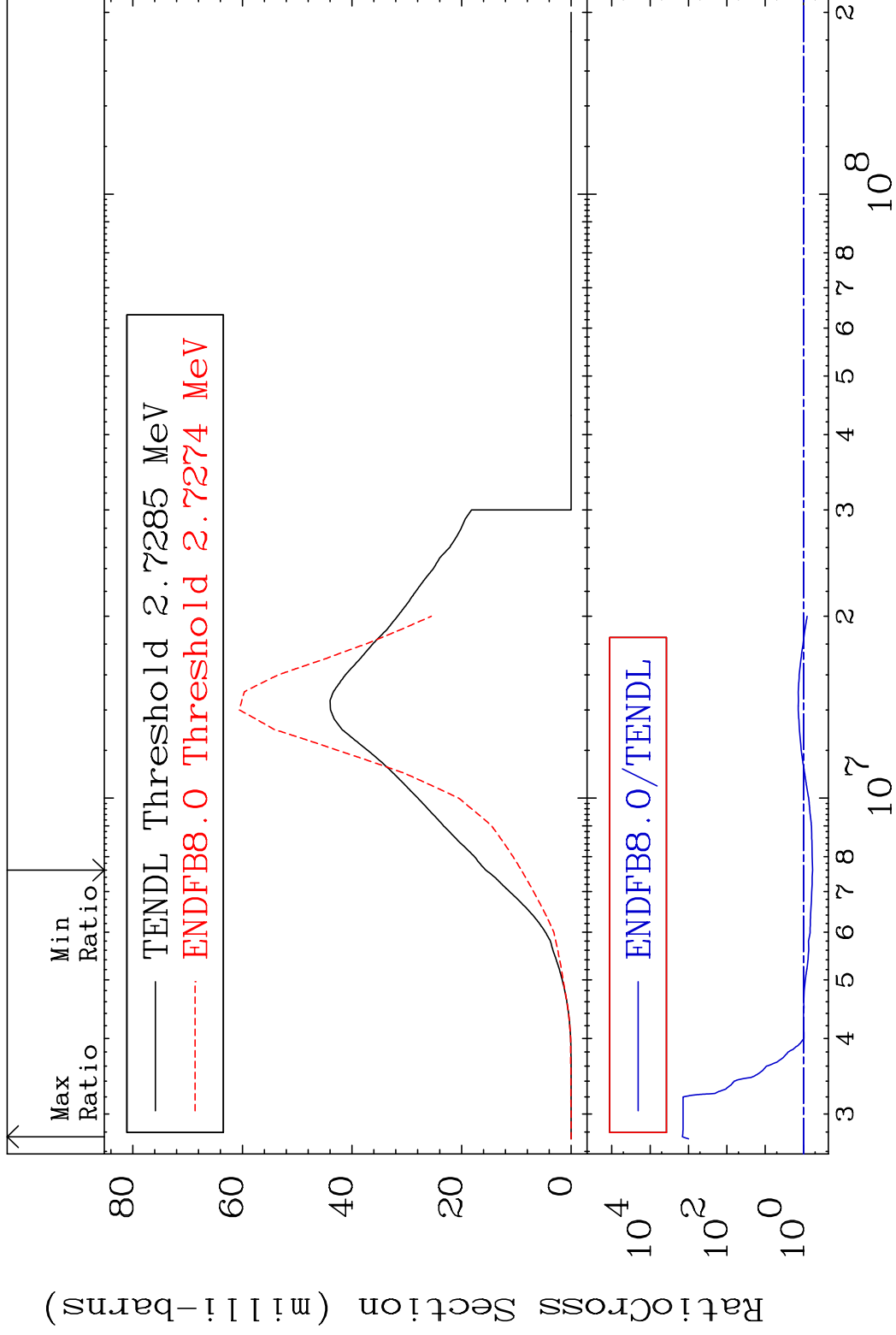
18-Ar-39

MAT 1834

(n,p)

18-Ar-39

Cross Section -41.61 To 9999. %

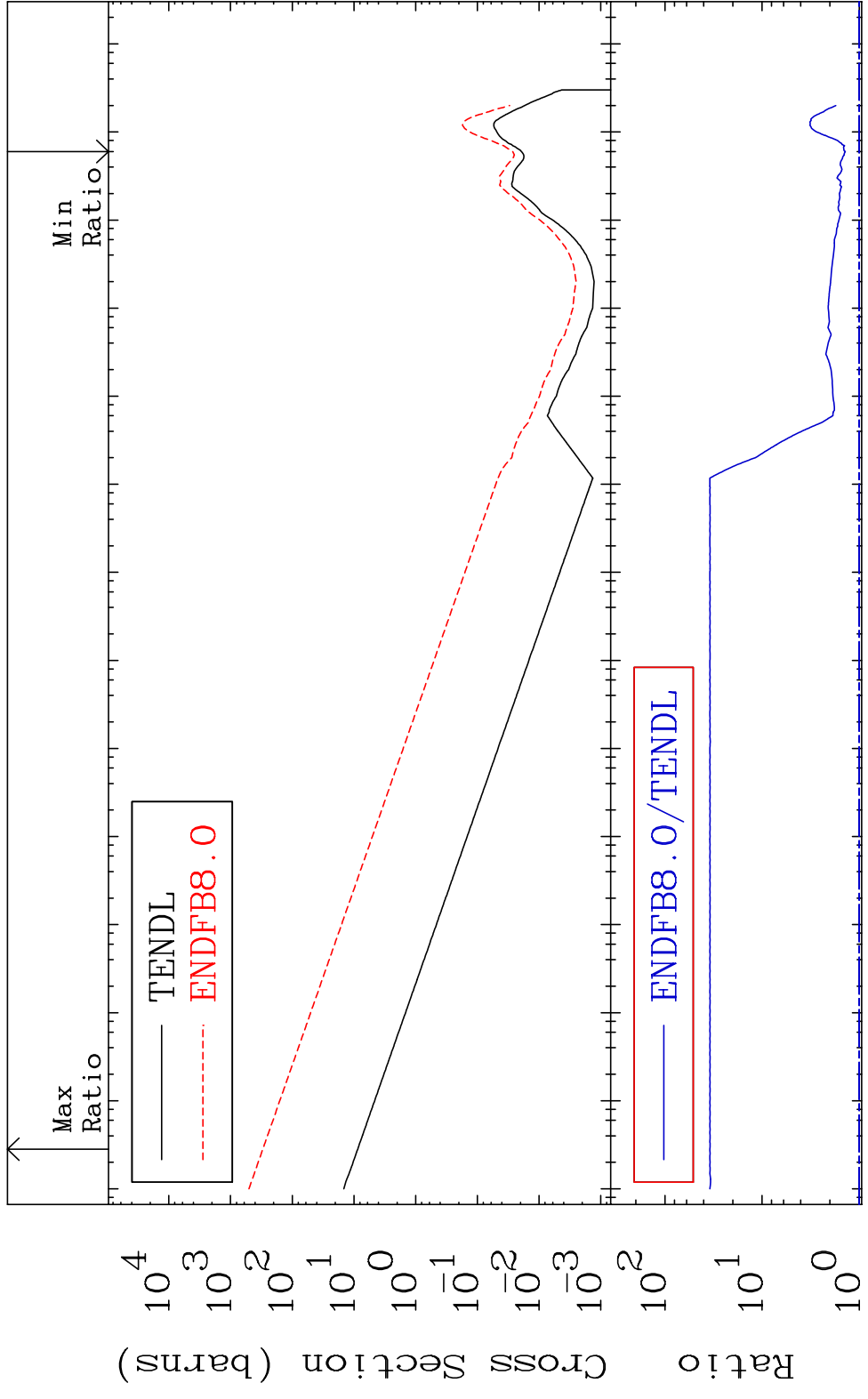


30

Incident Energy (eV)

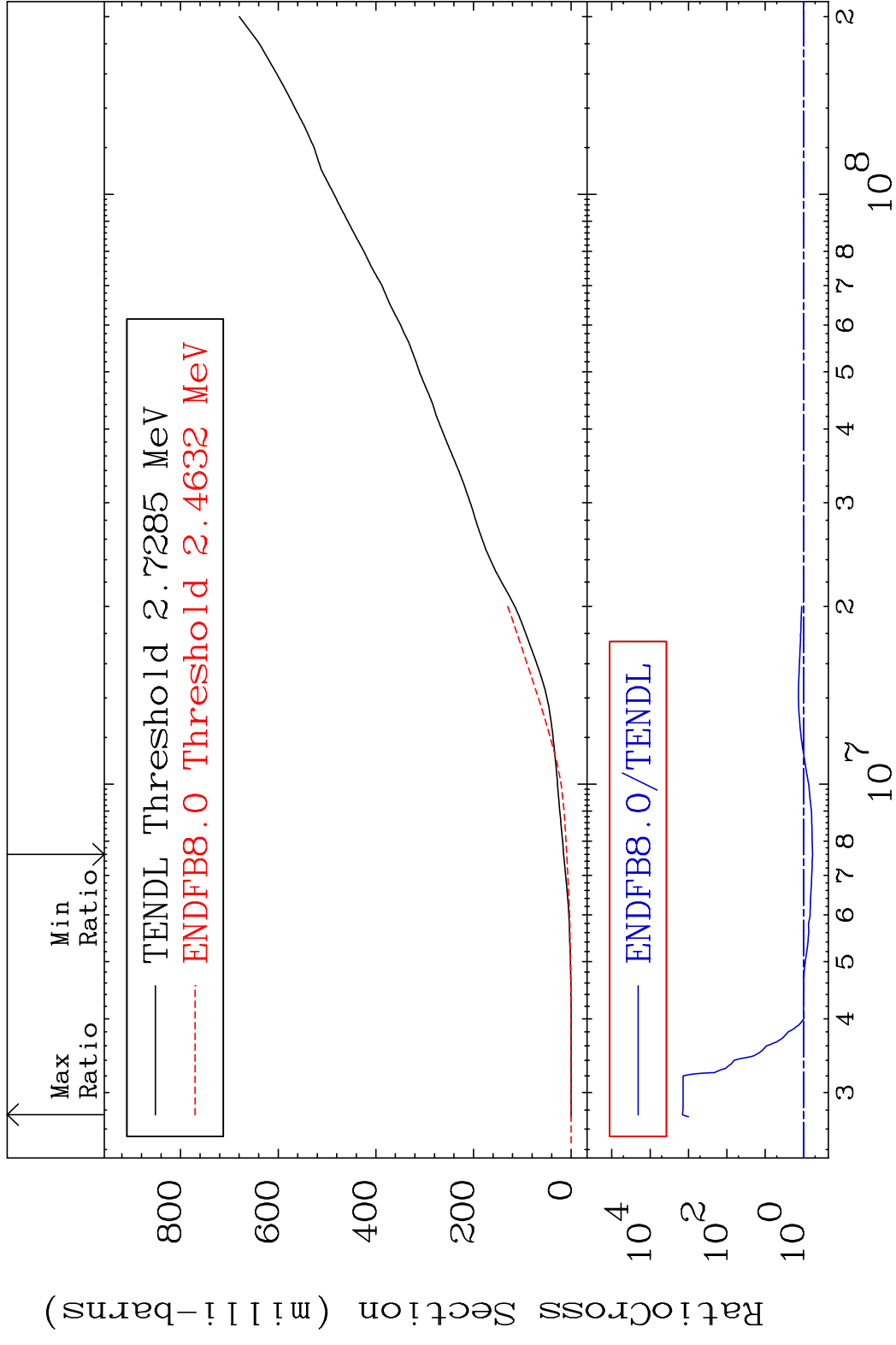
18-Ar-39

MAT 1834 (n,  $\alpha$ ) 18-Ar-39  
 Cross Section 39.15 To 3355. %

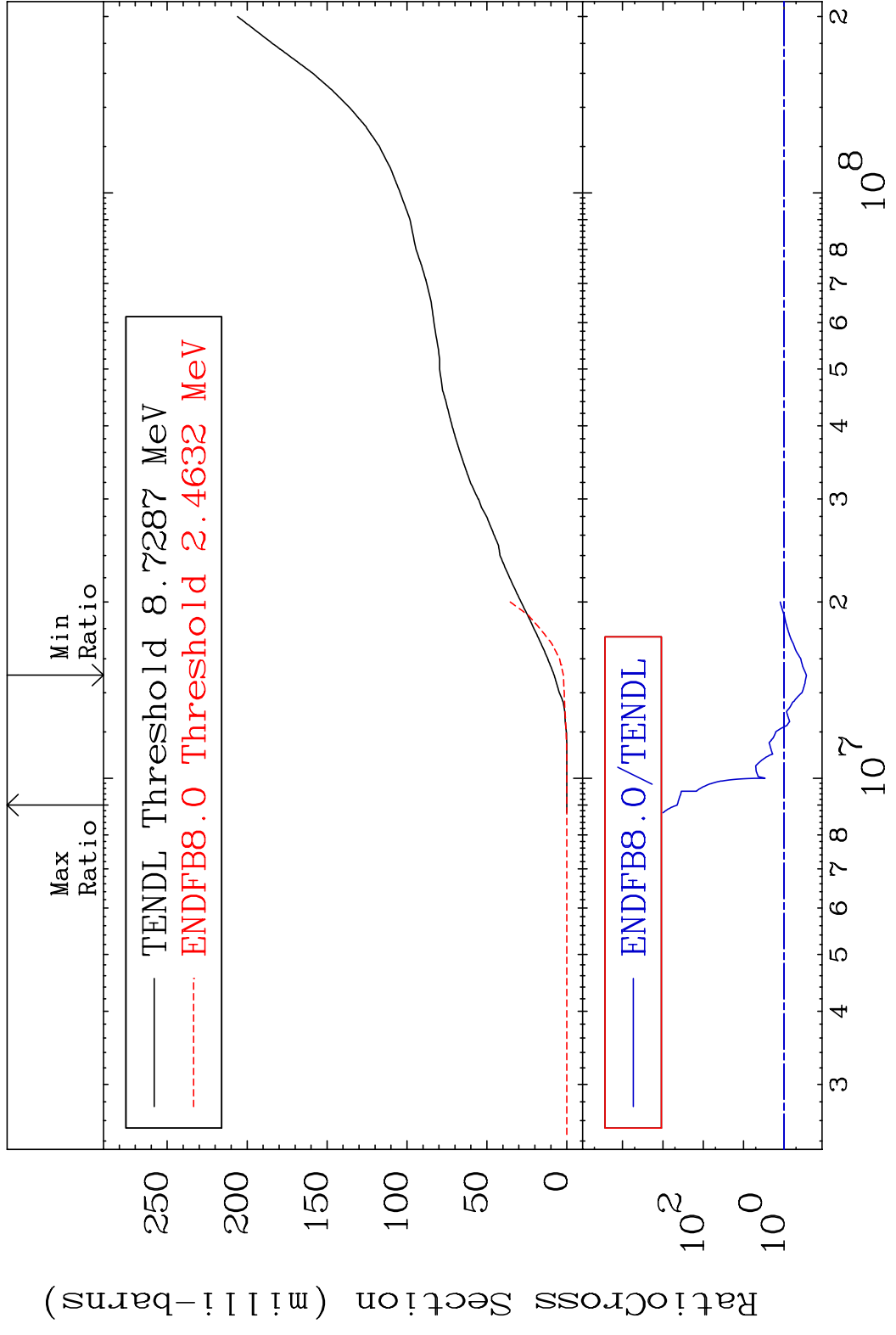




MAT 1834 Hydrogen Production 18-Ar-39  
 Cross Section -41.61 To 9999. %



MAT 1834 Deuterium Production 18-Ar-39  
 Cross Section -72.21 To 9999. %

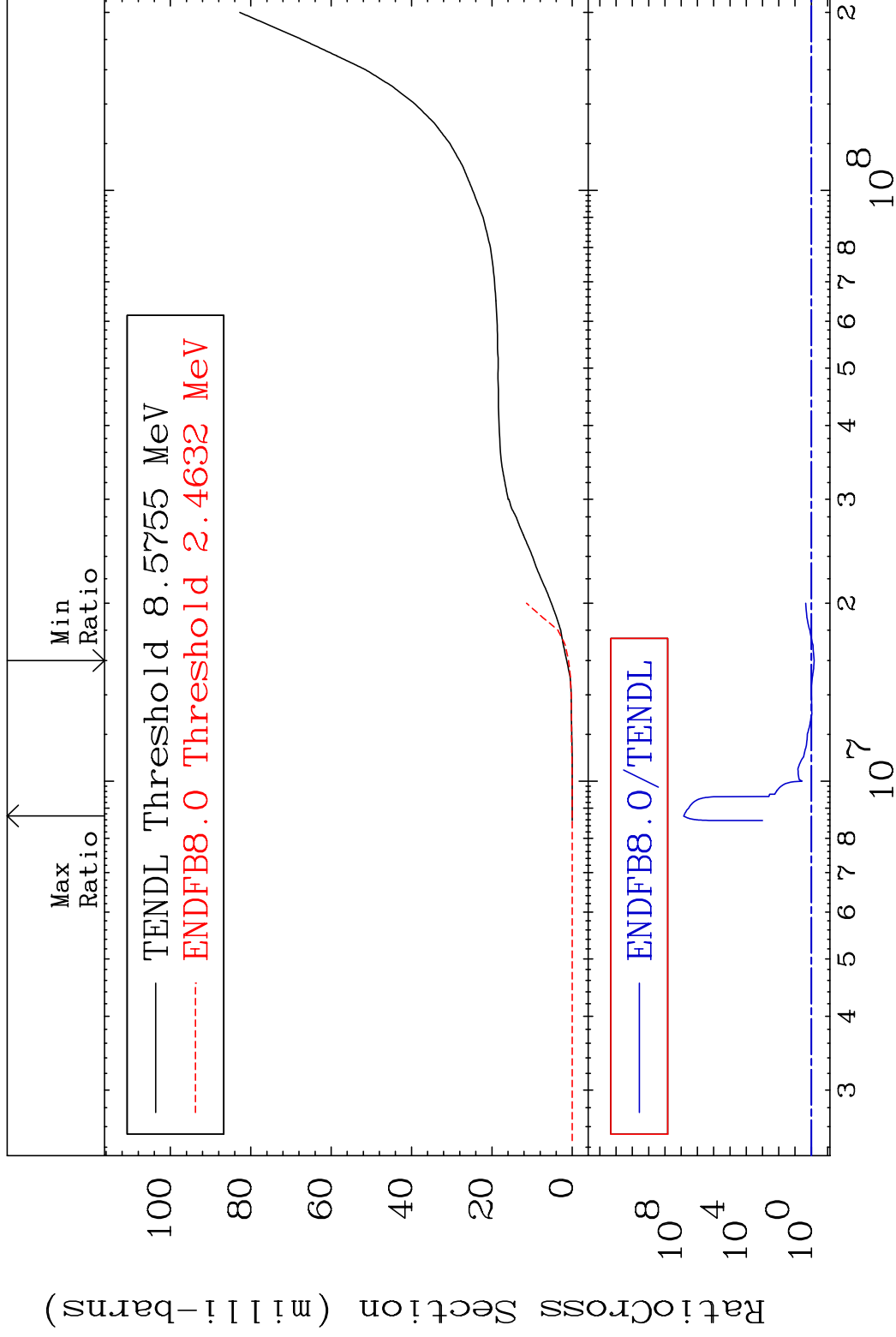


MAT 1834

Tritium Production

18-Ar-39

Cross Section -32.51 To 9999. %



34

Incident Energy (eV)

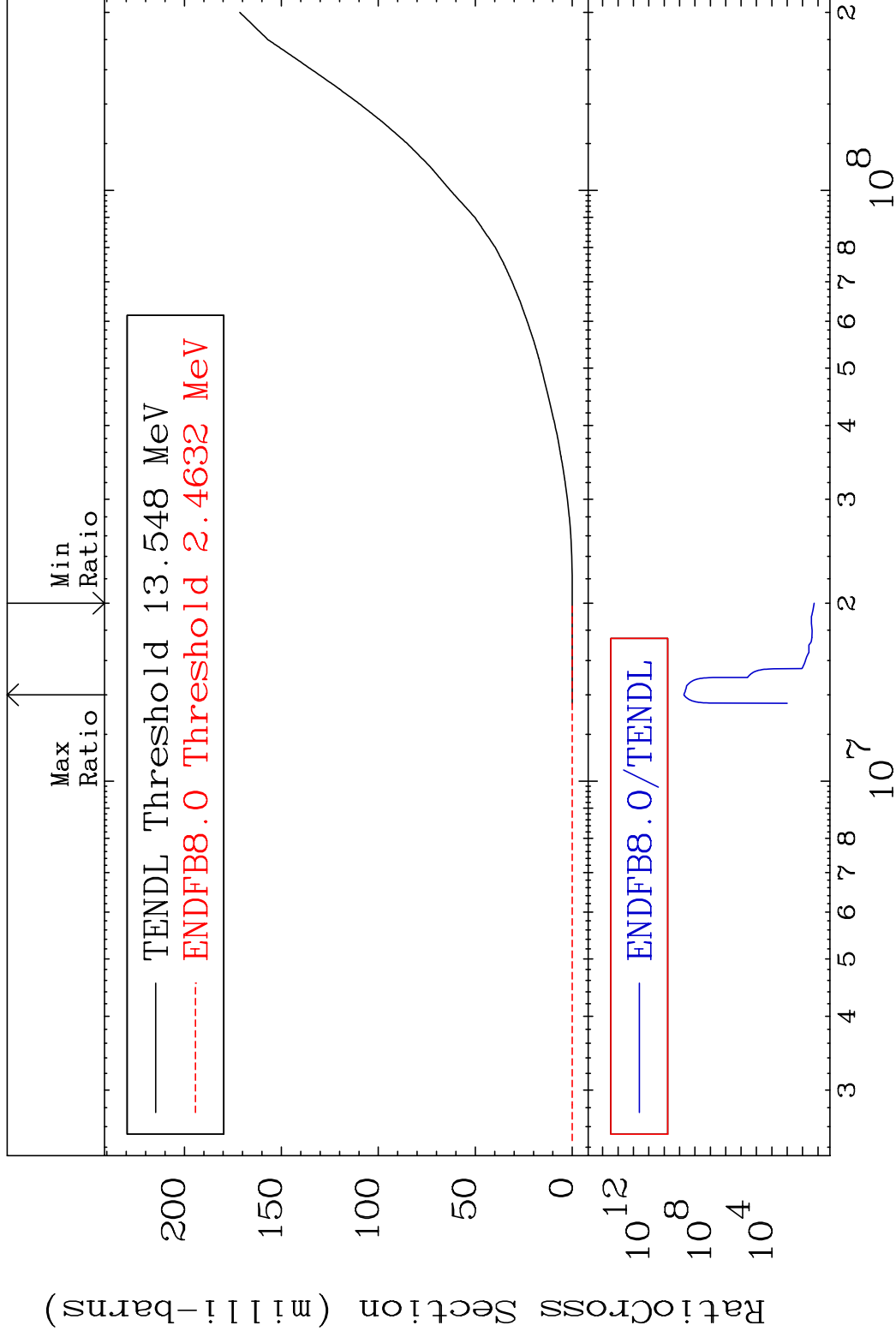
18-Ar-39

MAT 1834

He-3 Production

18-Ar-39

Cross Section 1681. To 9999. %



35

Incident Energy (eV)

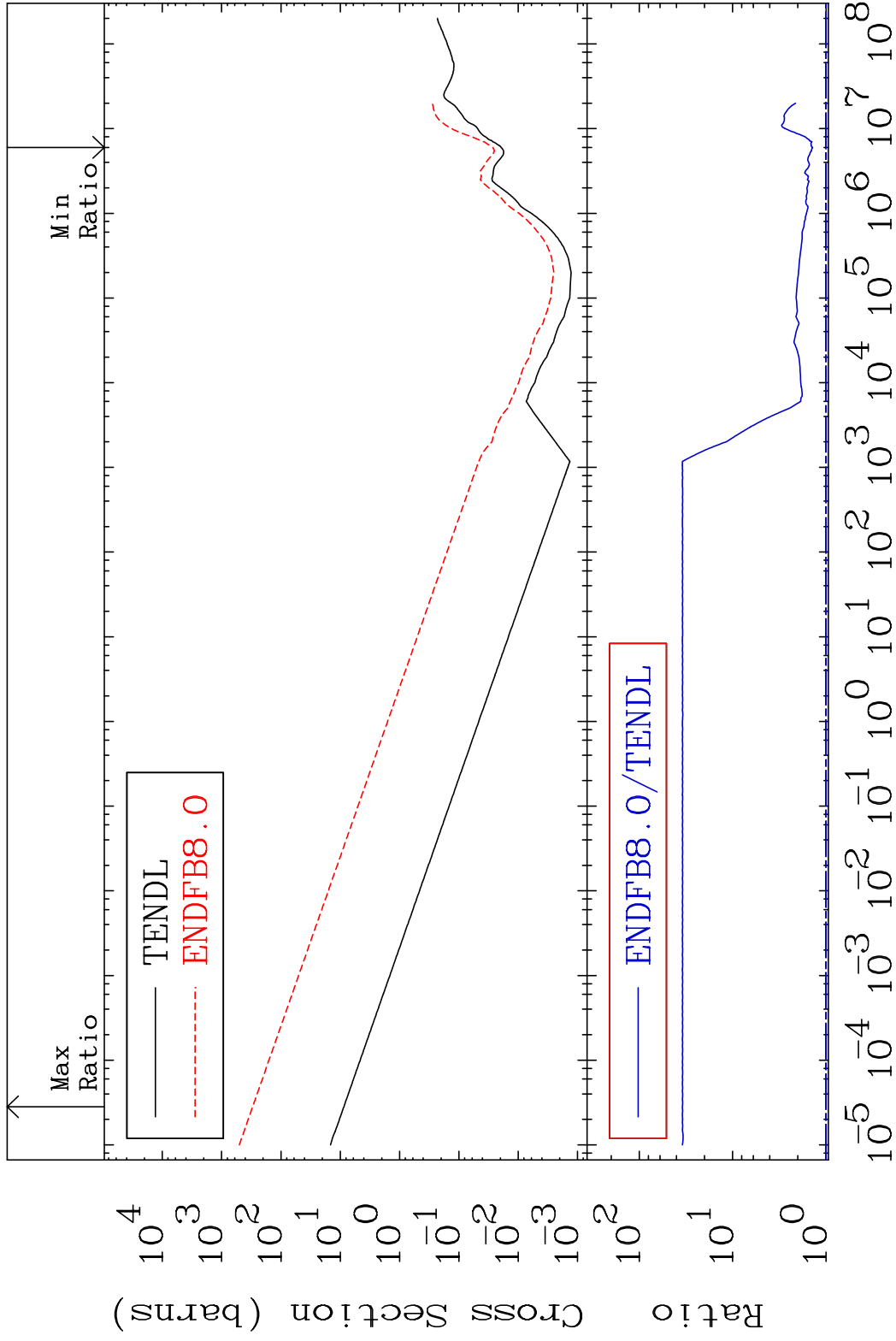
18-Ar-39

MAT 1834

He-4 Production

18-Ar-39

Cross Section 39.15 To 3355. %

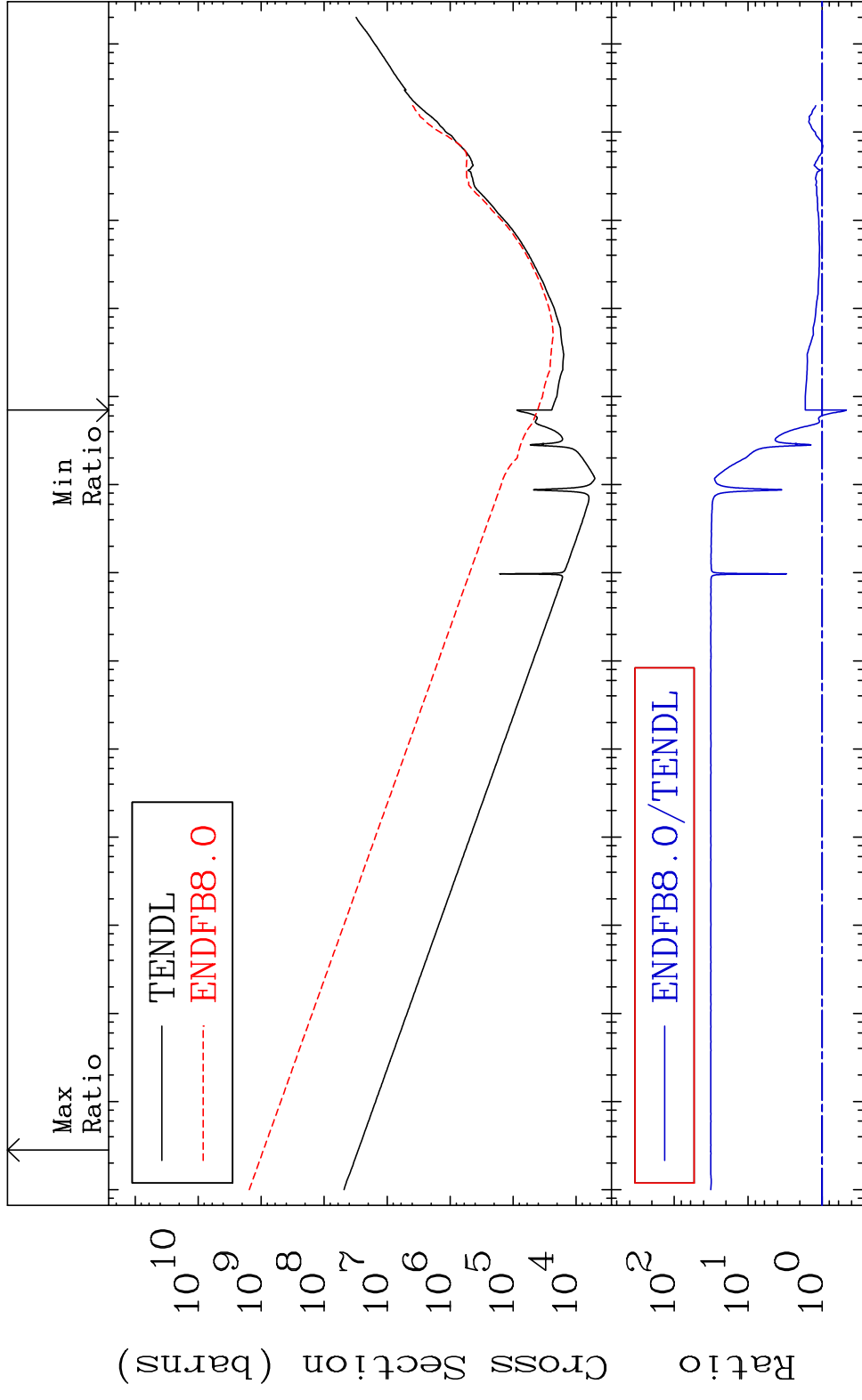


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Incident Energy (eV)

18-Ar-39

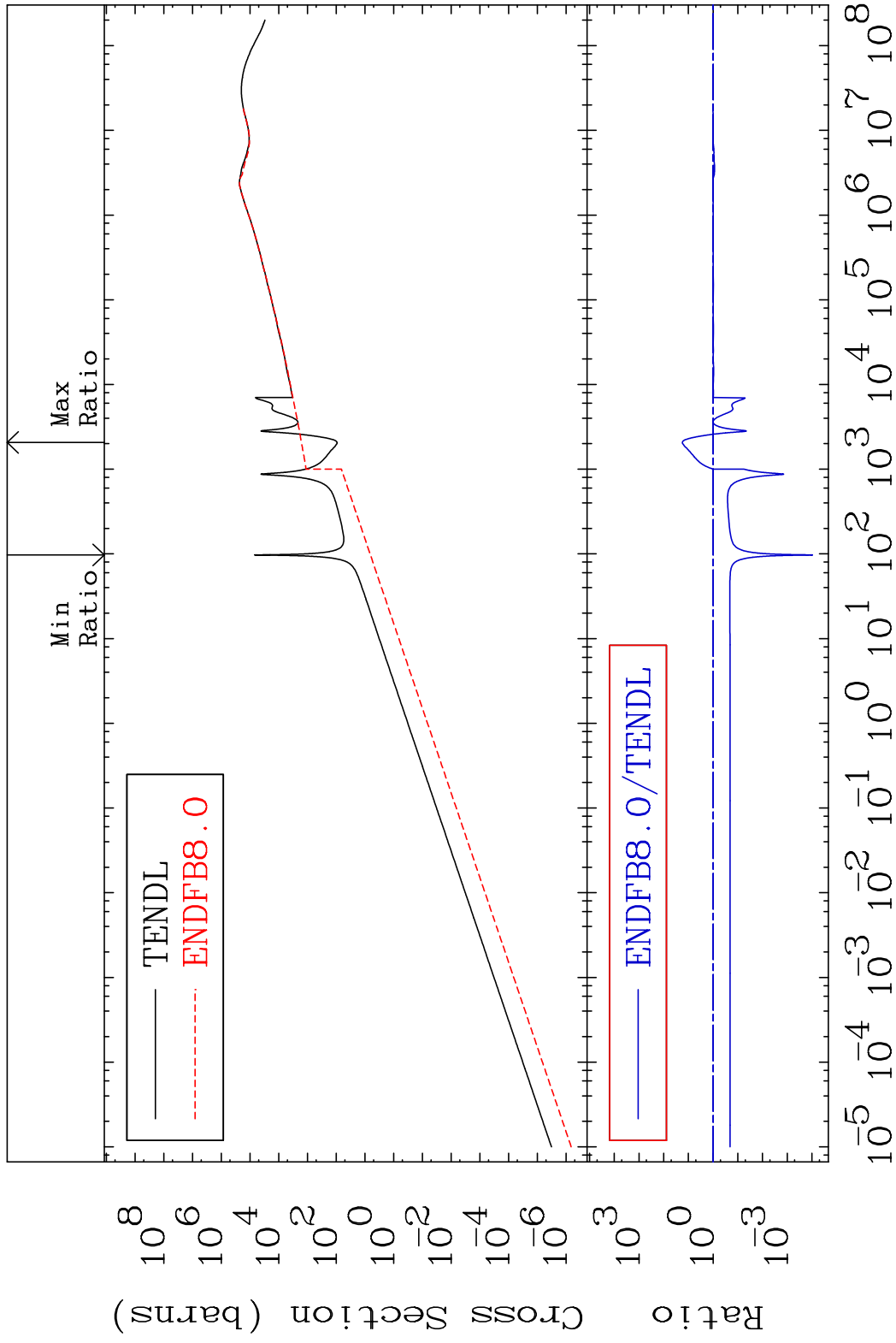
MAT 1834 Kerma total (eV-barns) 18-Ar-39  
 Cross Section -52.97 To 3106. %



37 Incident Energy (eV) 18-Ar-39

MAT 1834

Kerma elastic Cross Section -99.99 To 1655. %  
18-Ar-39

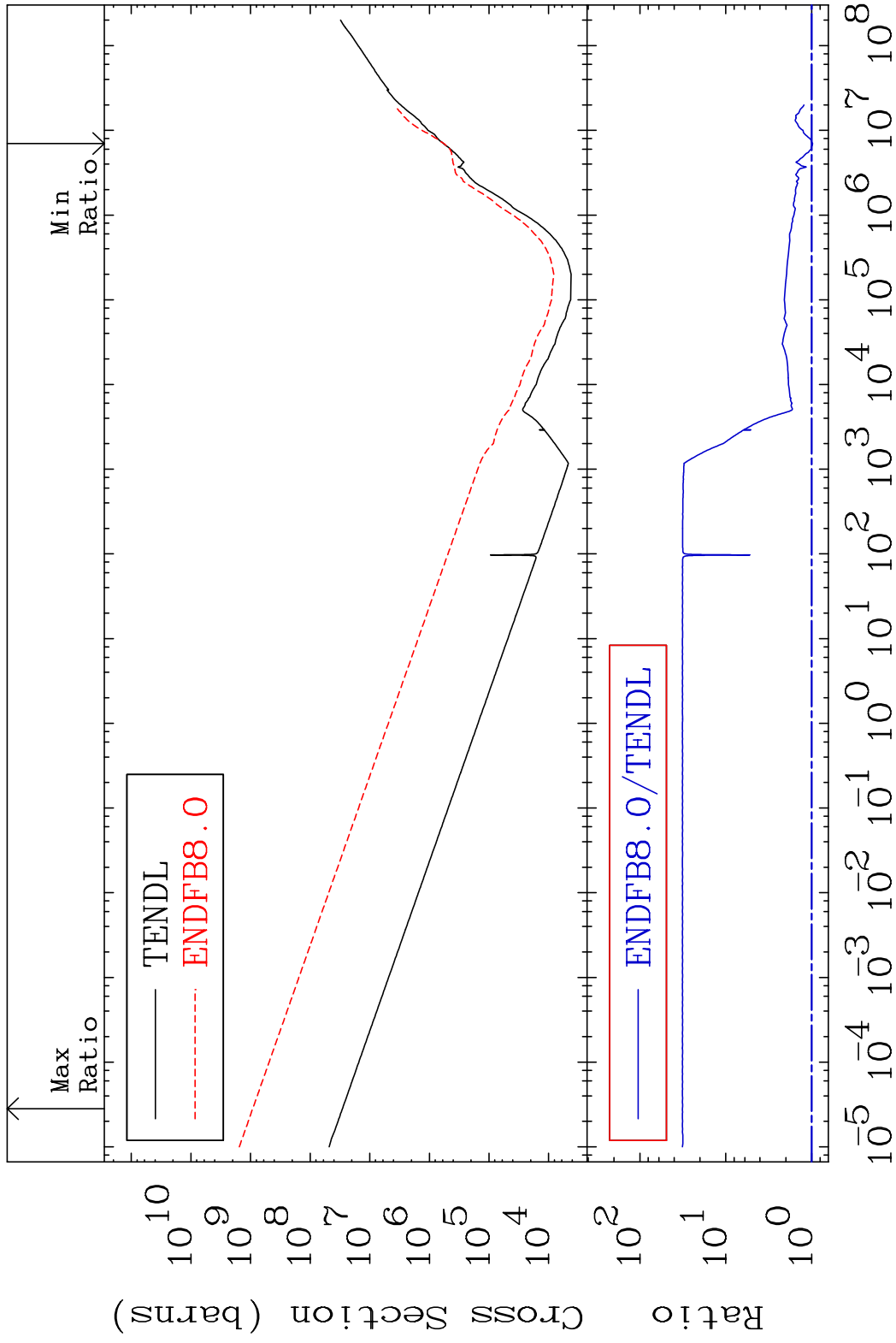


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Incident Energy (eV)

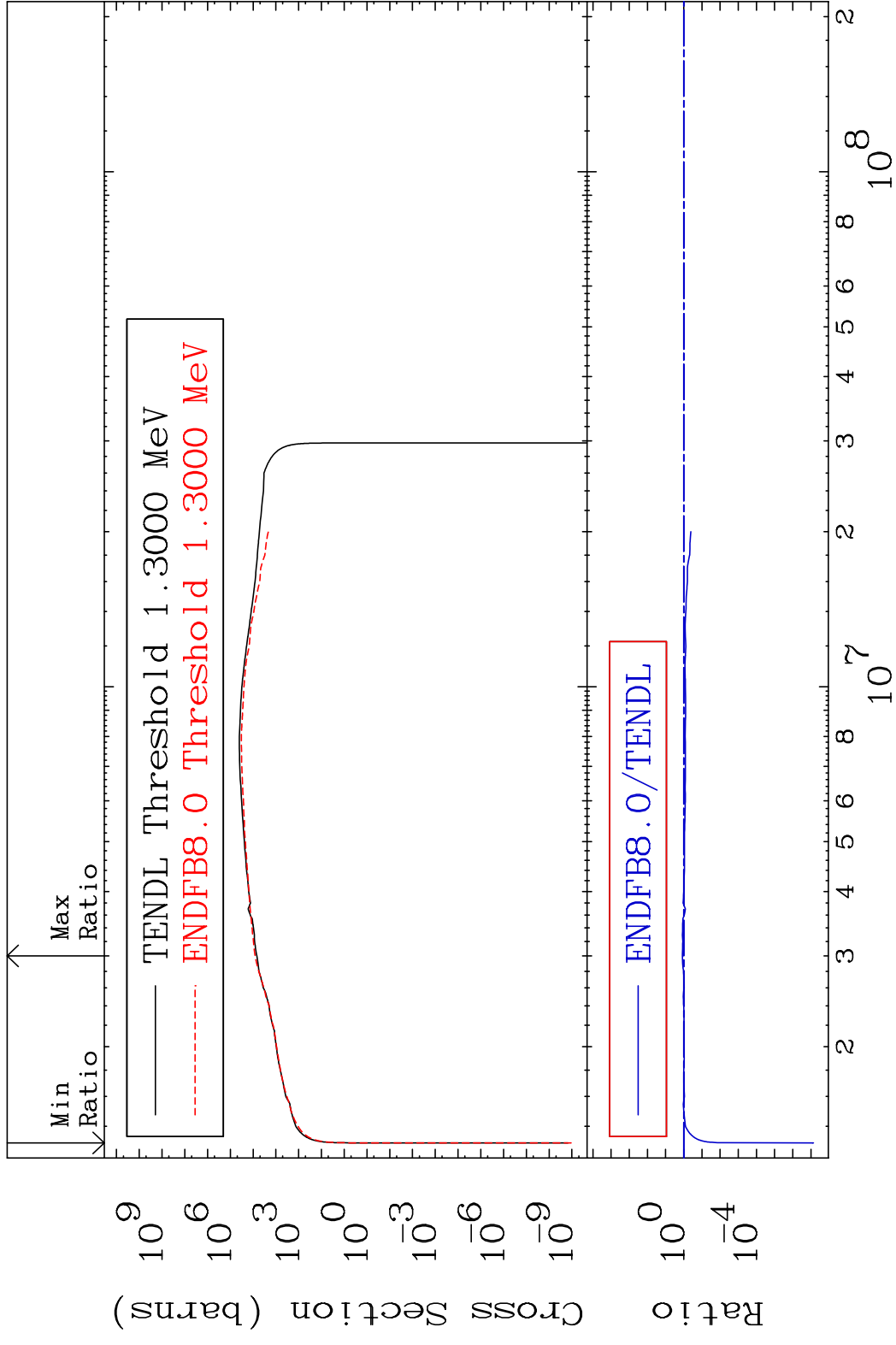
18-Ar-39

MAT 1834 Kerma non-elastic (all but mt2) 18-Ar-39  
 Cross Section -2.137 To 3106. %

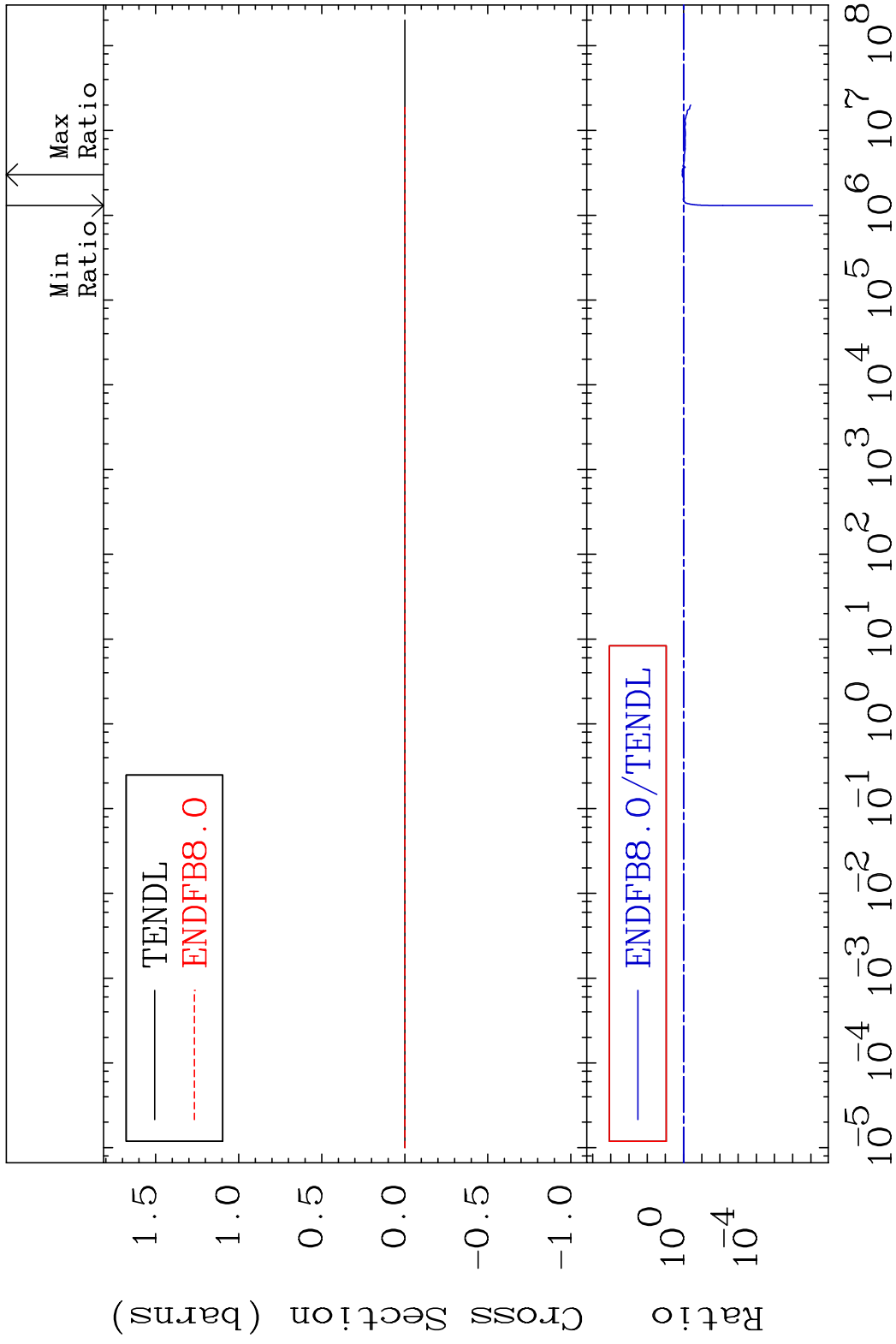




MAT 1834 Kerma inelastic (mt51-91) 18-Ar-39  
 Cross Section -100.0 To 19.19 %

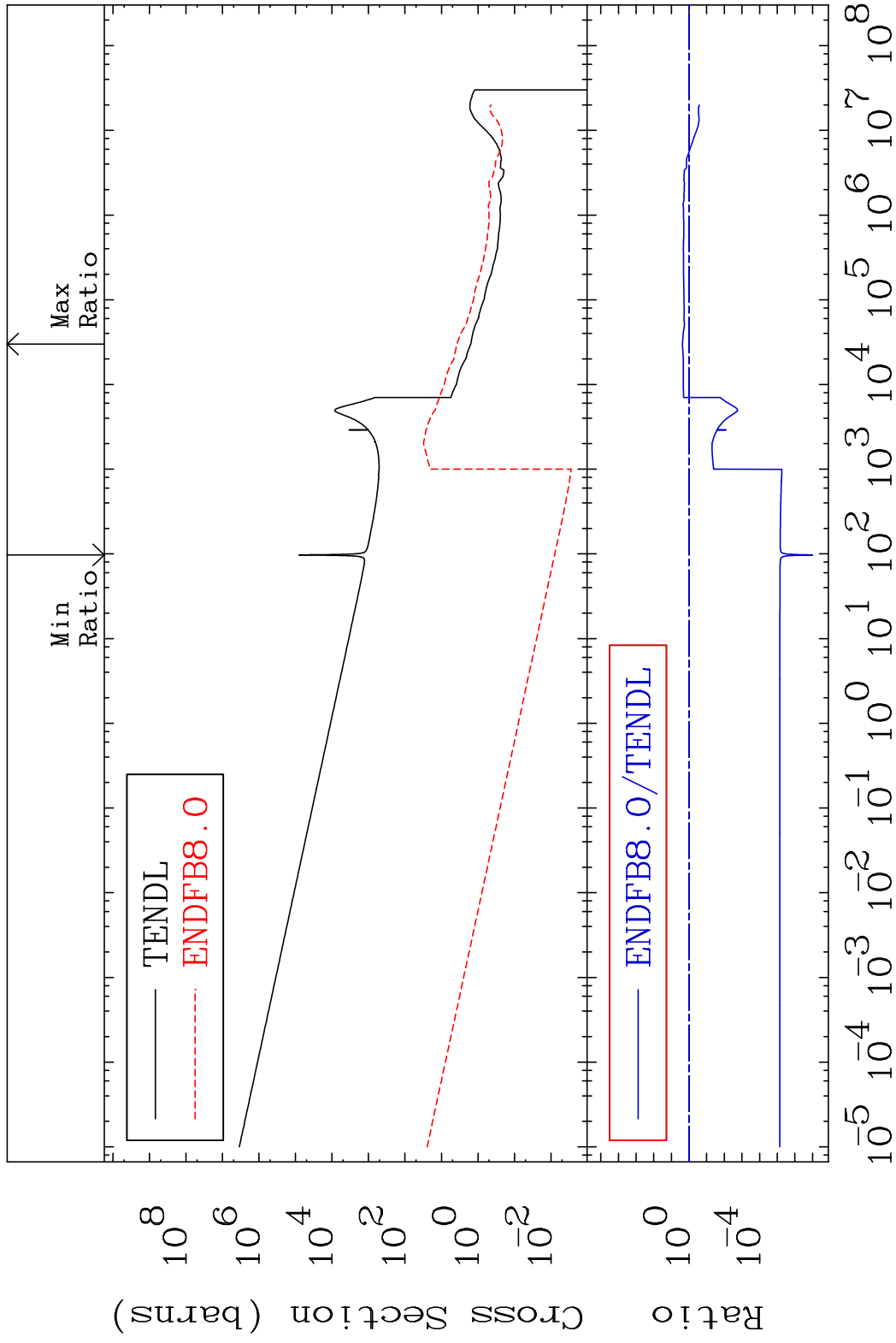


MAT 1834 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-39  
 Cross Section -100.0 To 19.19 %



MAT 1834

Kerma capture (mt102) 18-Ar-39  
Cross Section -100.0 To 138.5 %

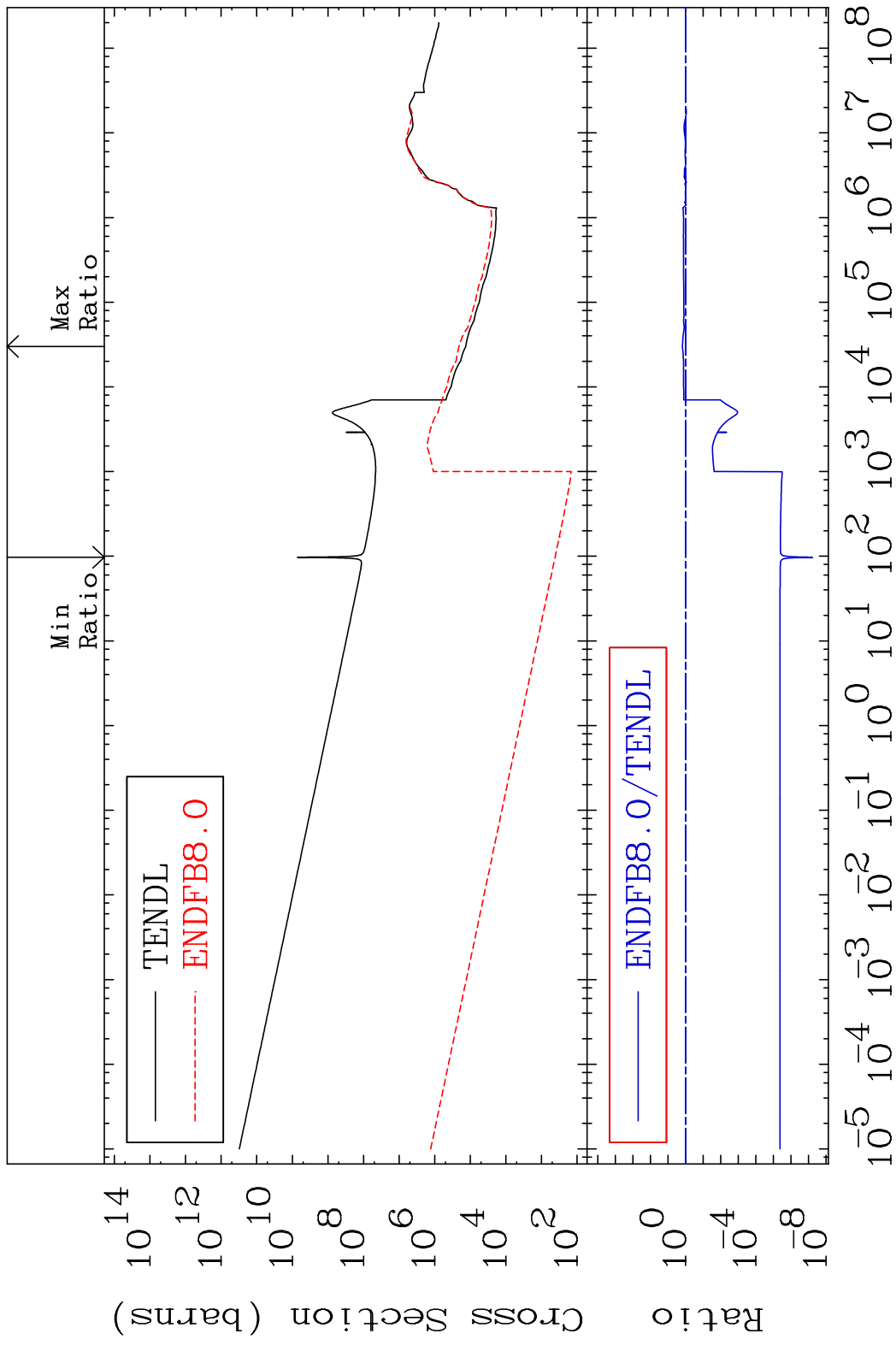


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Incident Energy (eV)

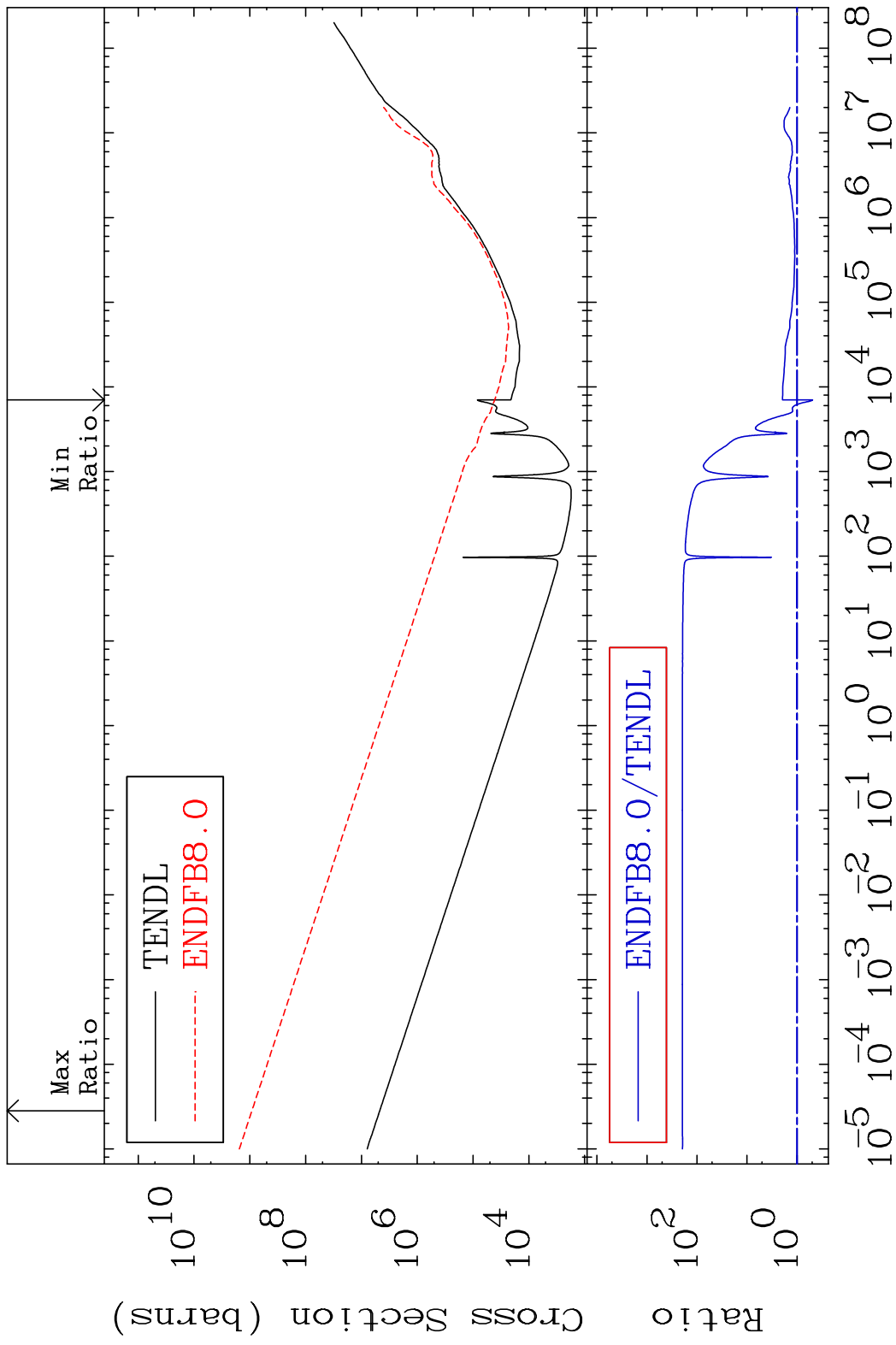
18-Ar-39

MAT 1834 Total photon (eV-barns) 18-Ar-39  
 Cross Section -100.0 To 53.82 %

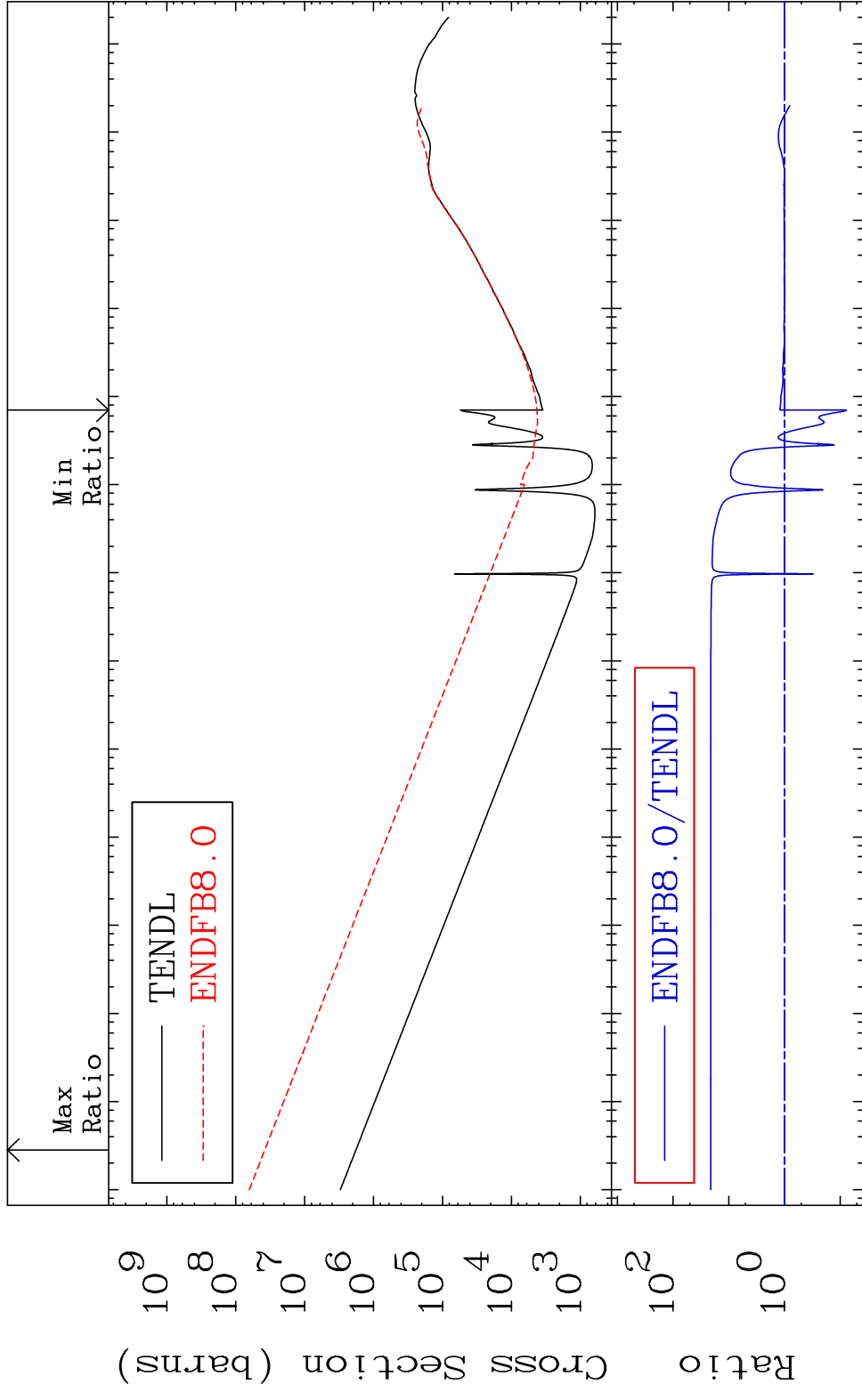


43 Incident Energy (eV) 18-Ar-39

MAT 1834 Total kinematic kerma (high limit) 18-Ar-39  
 Cross Section -51.08 To 9999. %

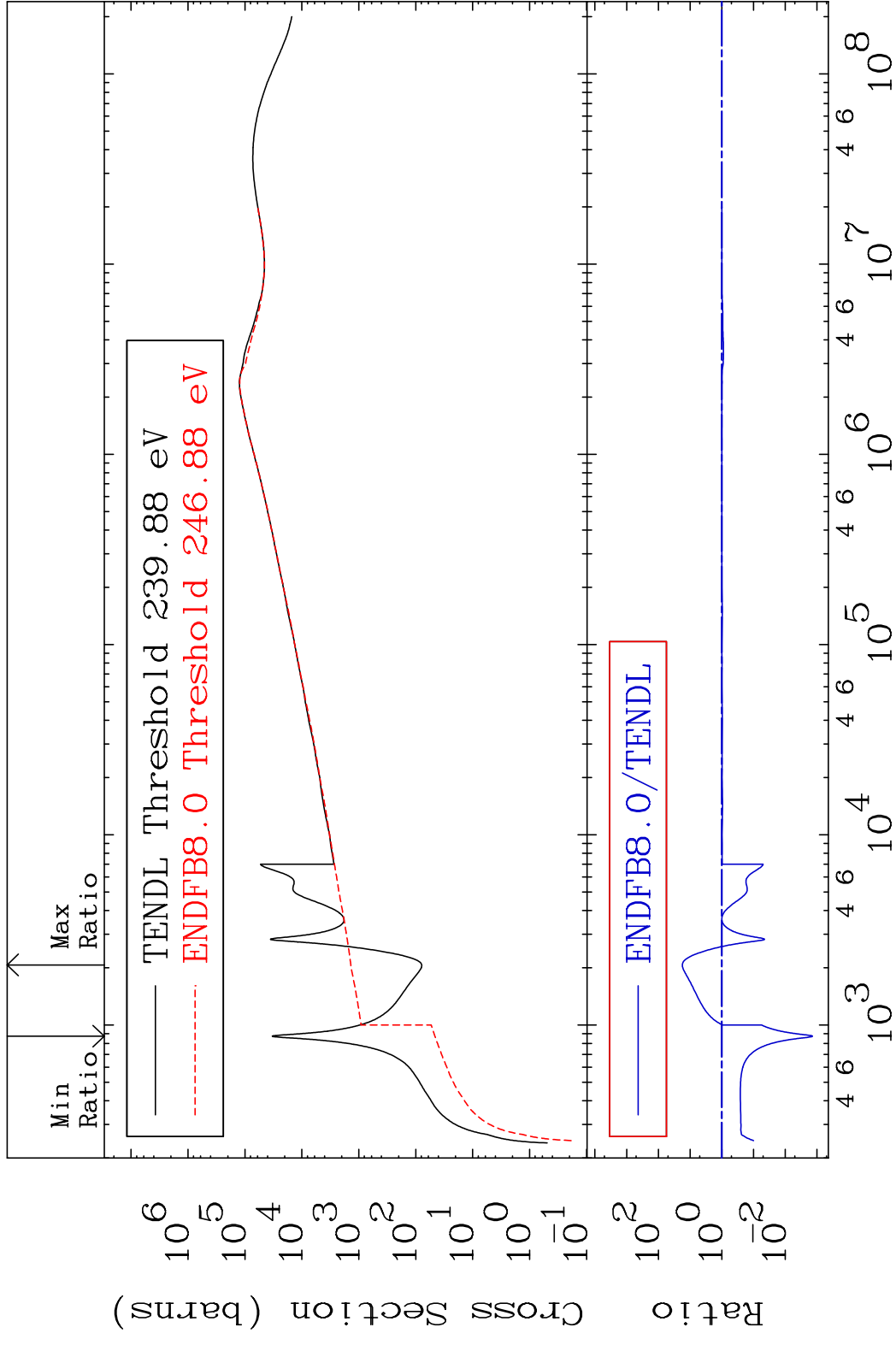


MAT 1834 Dpa total (eV-barns) 18-Ar-39  
 Cross Section -92.27 To 2007. %

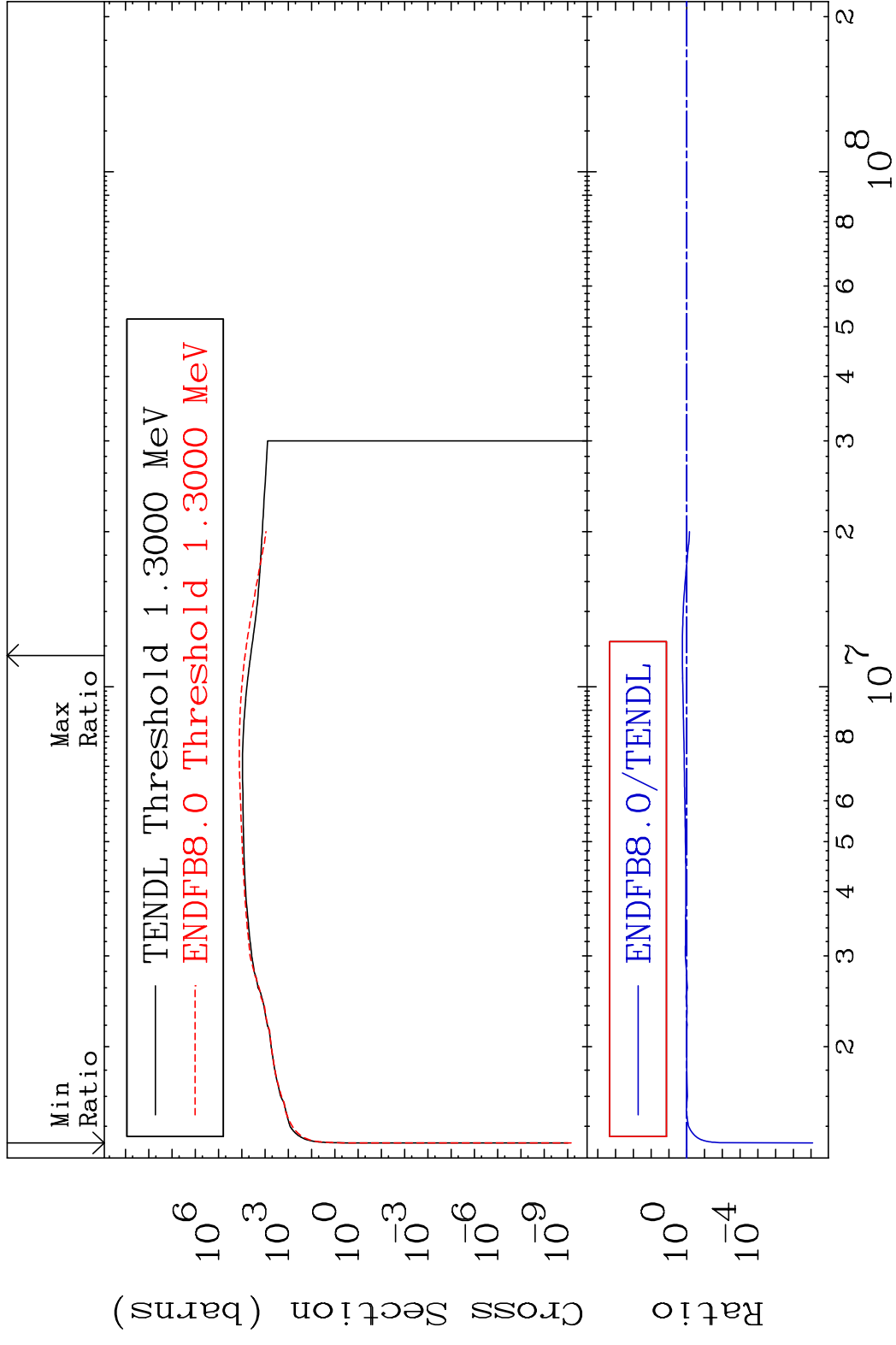


Ratio  
 Cross Section (barns)  
 Incident Energy (eV)

MAT 1834 Dpa elastic (mt2) 18-Ar-39  
 Cross Section -99.86 To 1653. %



MAT 1834 Dpa inelastic (mt51-91) 18-Ar-39  
 Cross Section -100.0 To 75.40 %





MAT 1834 Dpa disappearance (mt102 -120) 18-Ar-39  
 Cross Section -74.58 To 2007. %

