

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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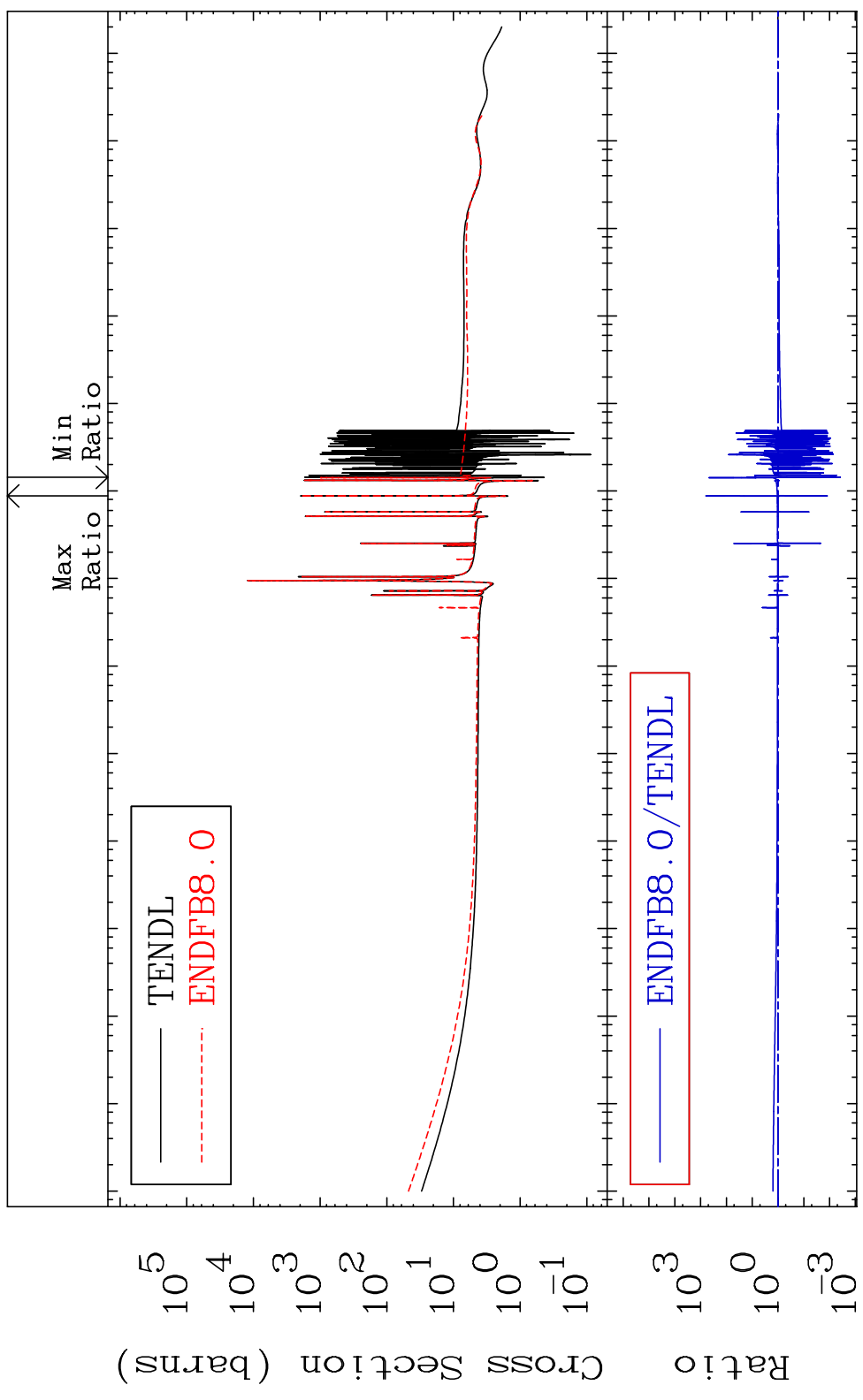
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5025

Total Cross Section -99.62 To 9999. %  
50-Sn-112



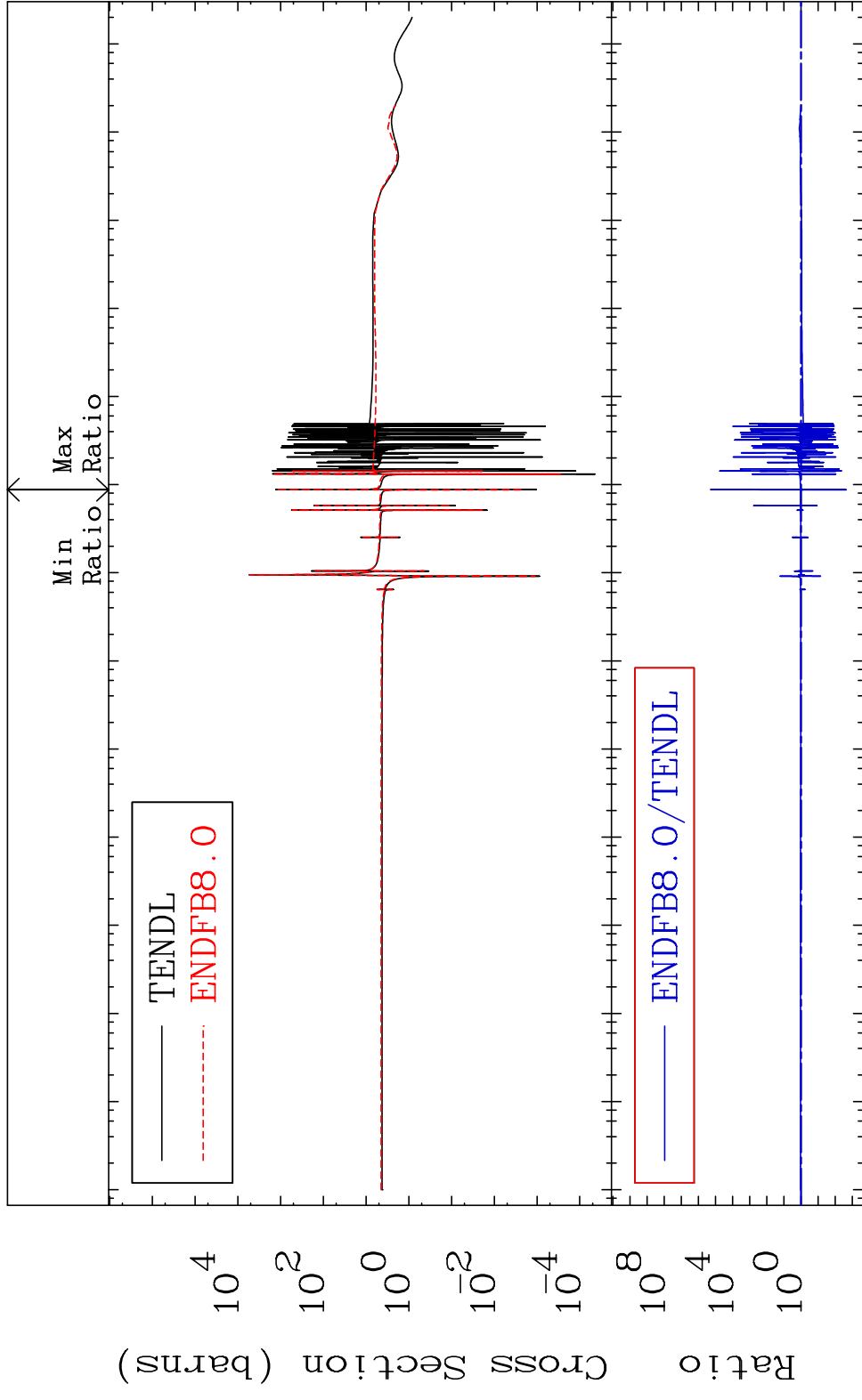
1 Incident Energy (eV) 50-Sn-112

MAT 5025

Elastic

50-Sn-112

Cross Section -99.78 To 9999. %



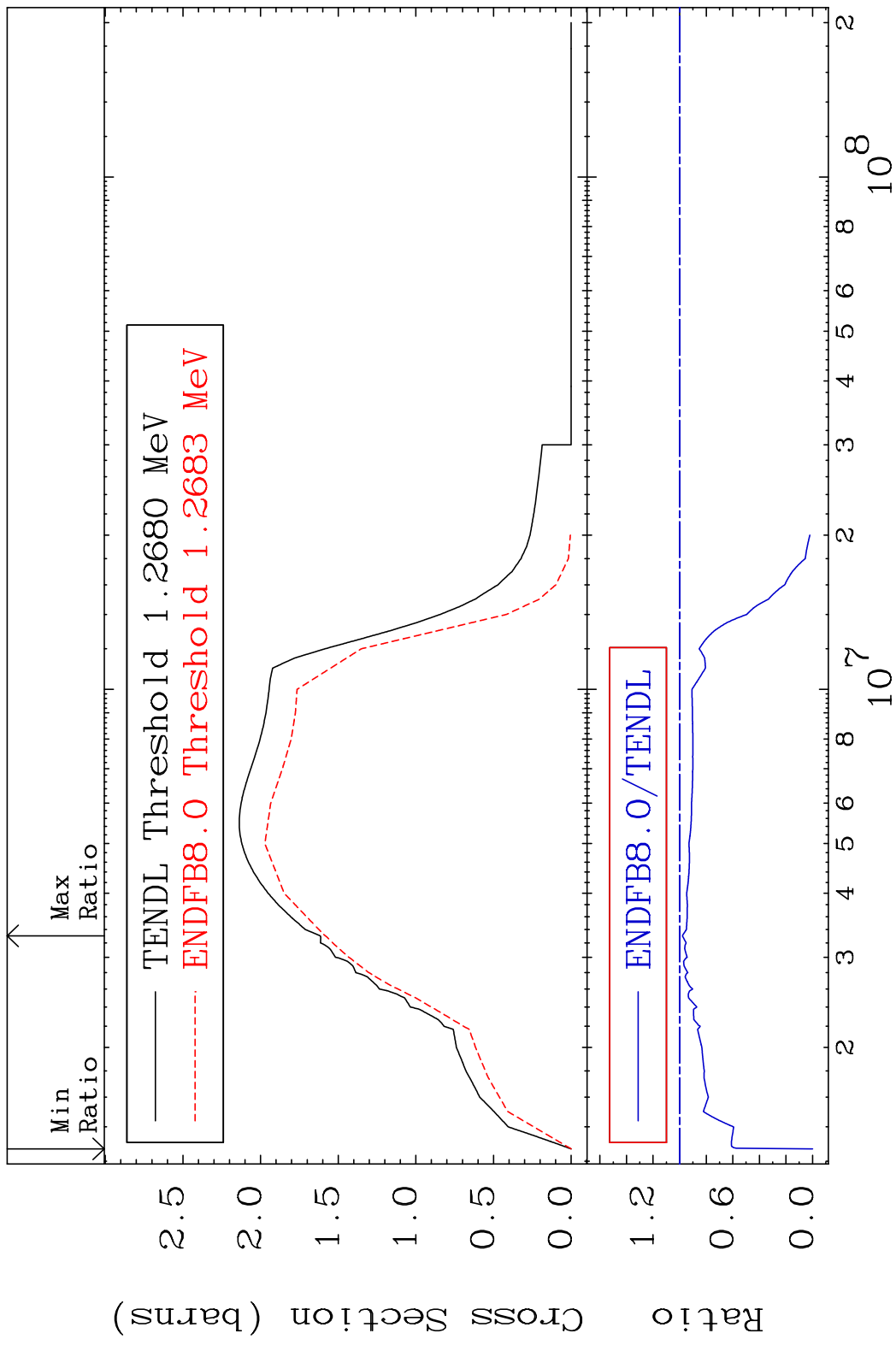
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

50-Sn-112

MAT 5025                      Inelastic                      50-Sn-112  
 Cross Section                      -100.0 To -2.042%

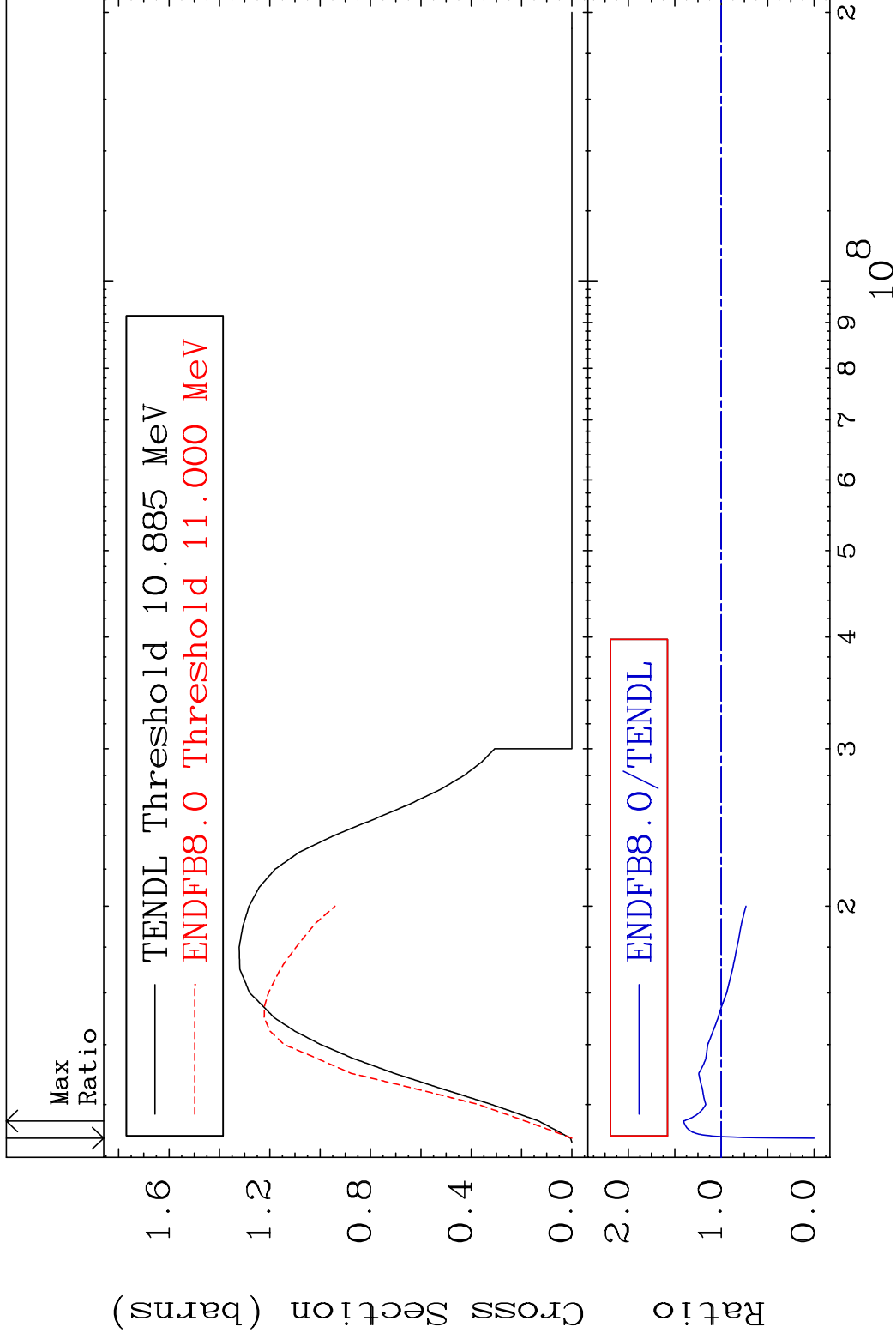


MAT 5025

(n,2n)

50-Sn-112

Cross Section -100.0 To 40.62 %



4

Incident Energy (eV)

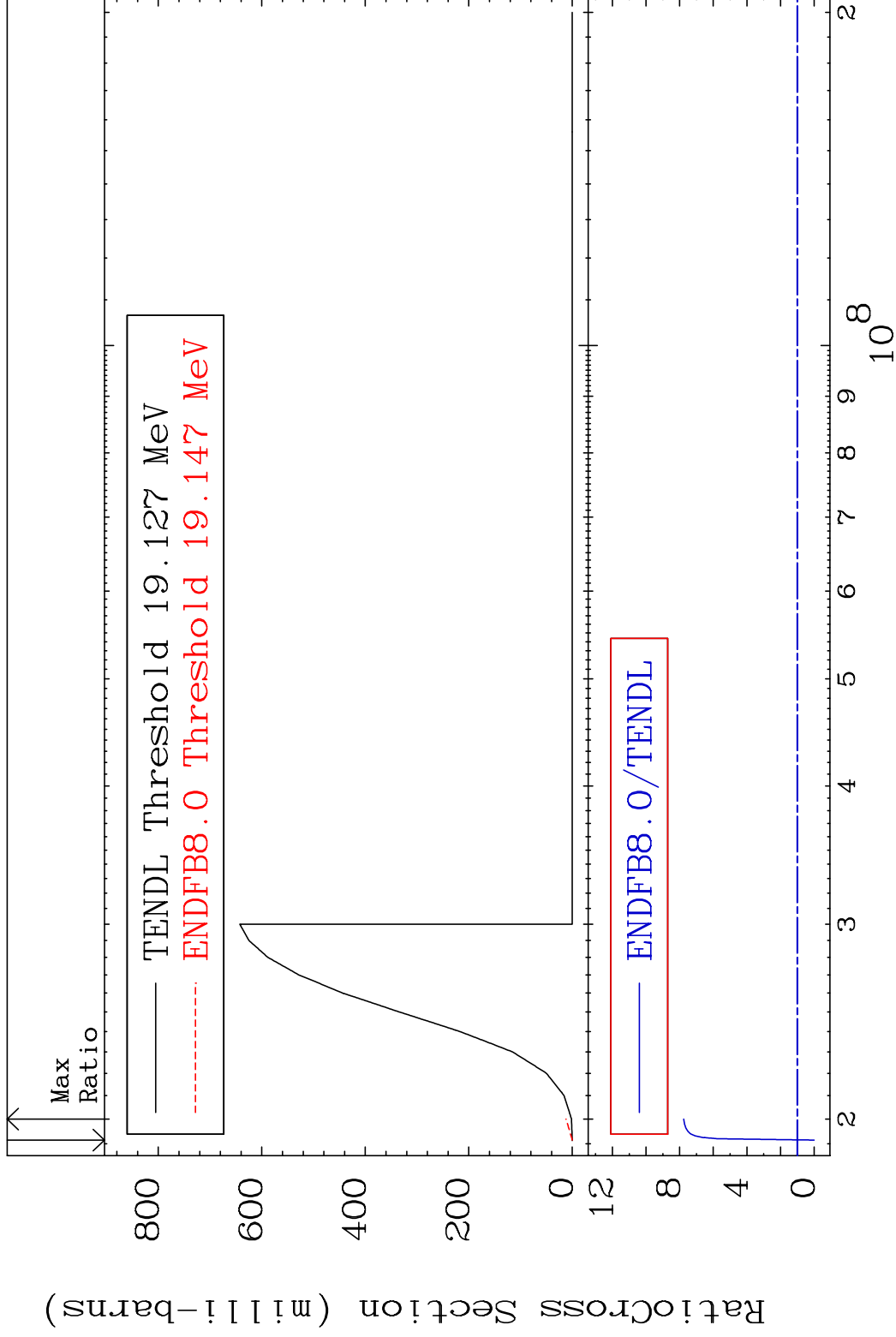
50-Sn-112

MAT 5025

(n,3n)

50-Sn-112

Cross Section -100.0 To 676.1 %

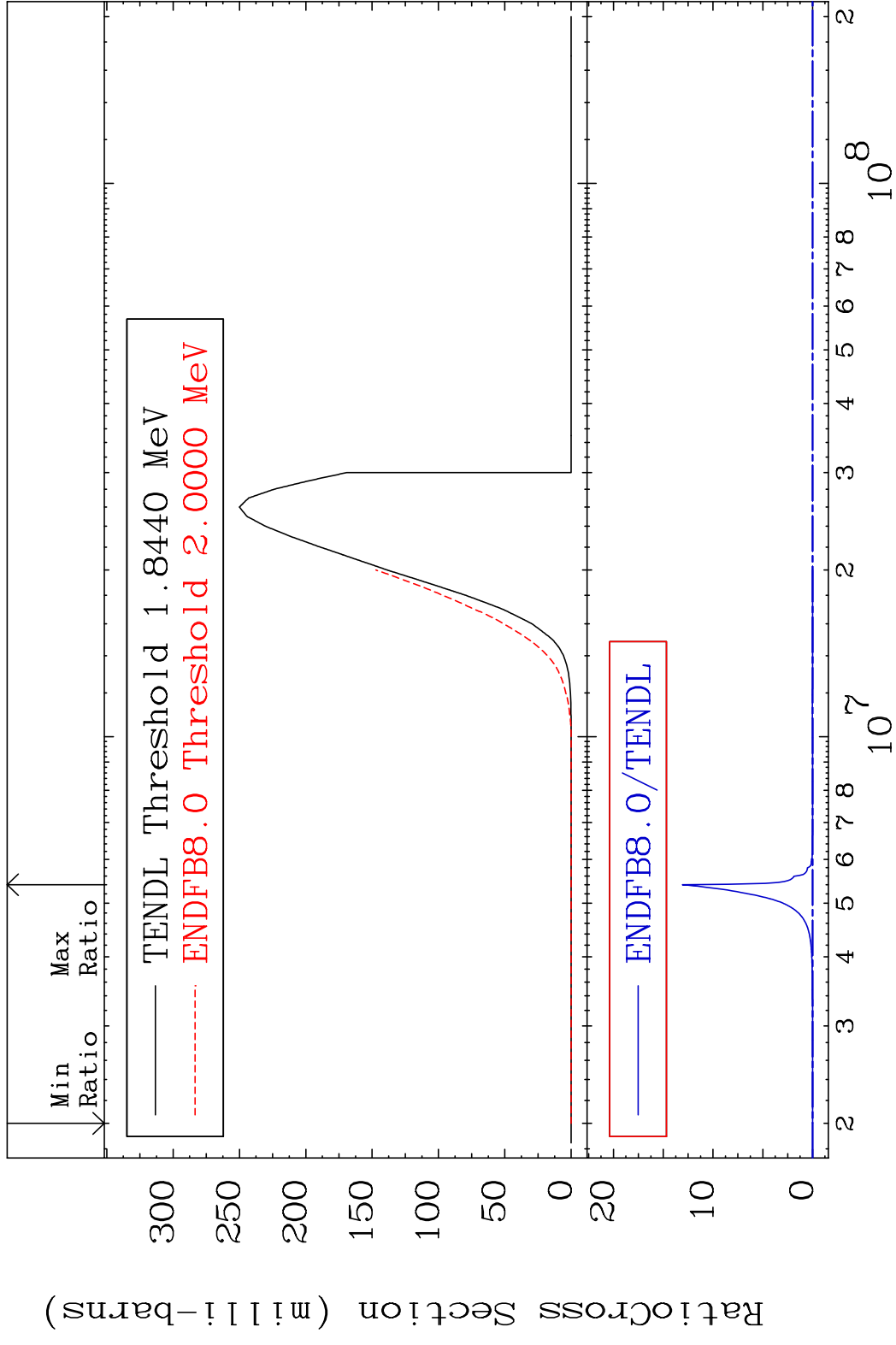


5

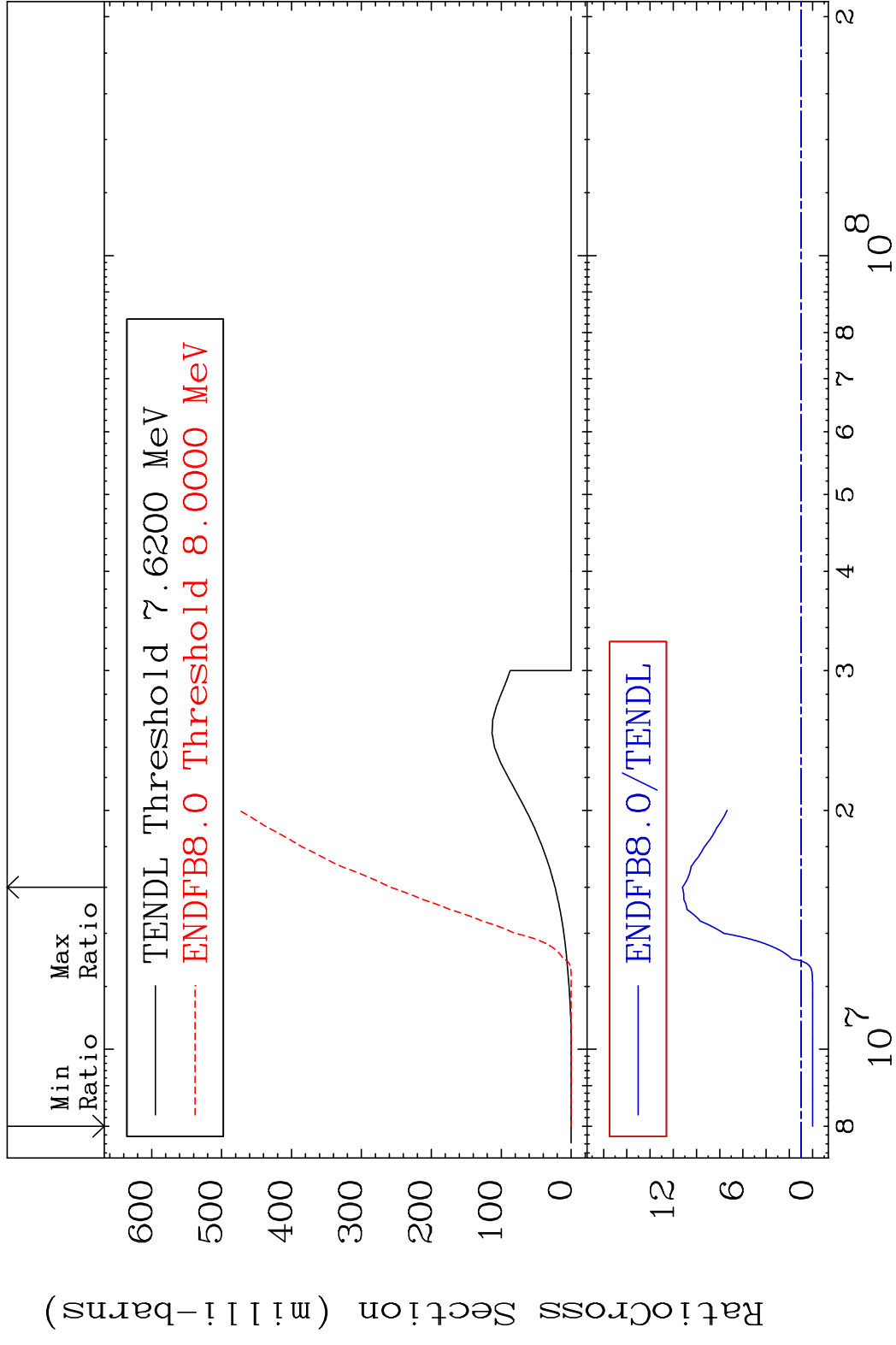
Incident Energy (eV)

50-Sn-112

MAT 5025 (n, n')  $\alpha$  50-Sn-112  
 Cross Section -100.0 To 9999. %



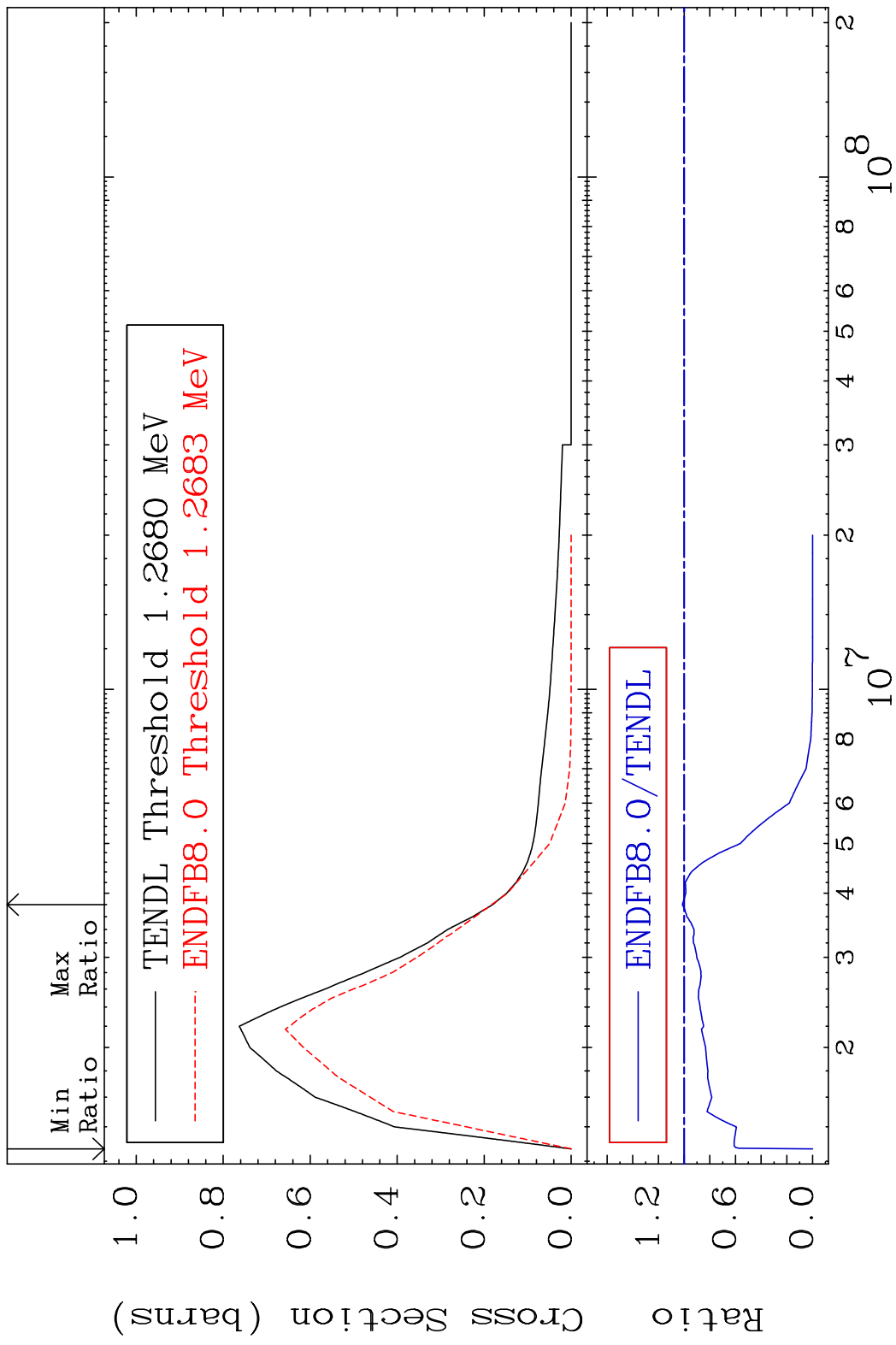
MAT 5025 (n, n') p 50-Sn-112  
 Cross Section -100.0 To 1022. %



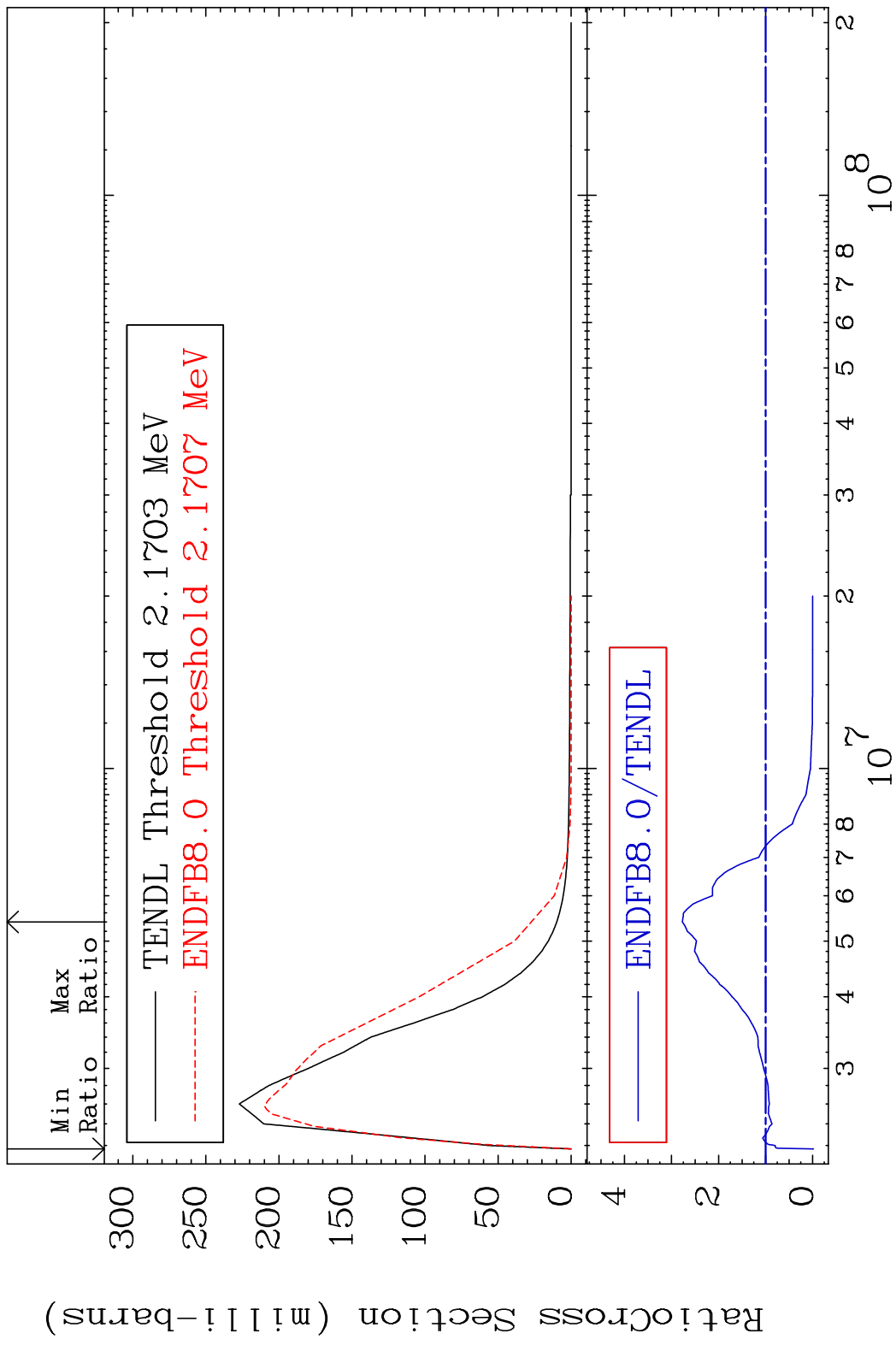
7 Incident Energy (eV) 50-Sn-112



MAT 5025 MT= 51 (n, n') Level 50-Sn-112  
 Cross Section -100.0 To 1.369 %

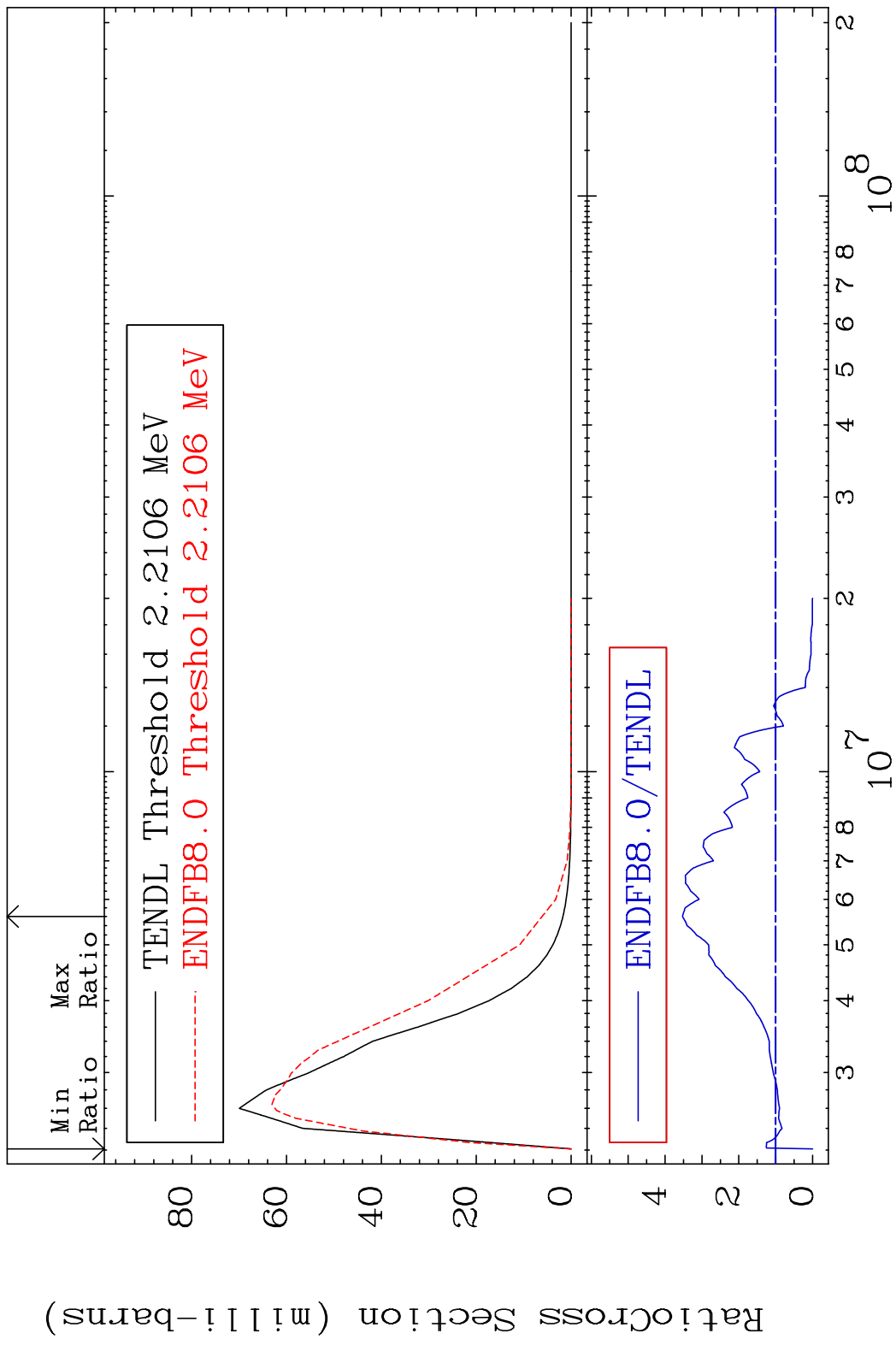


MAT 5025 MT= 52 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 177.0 %



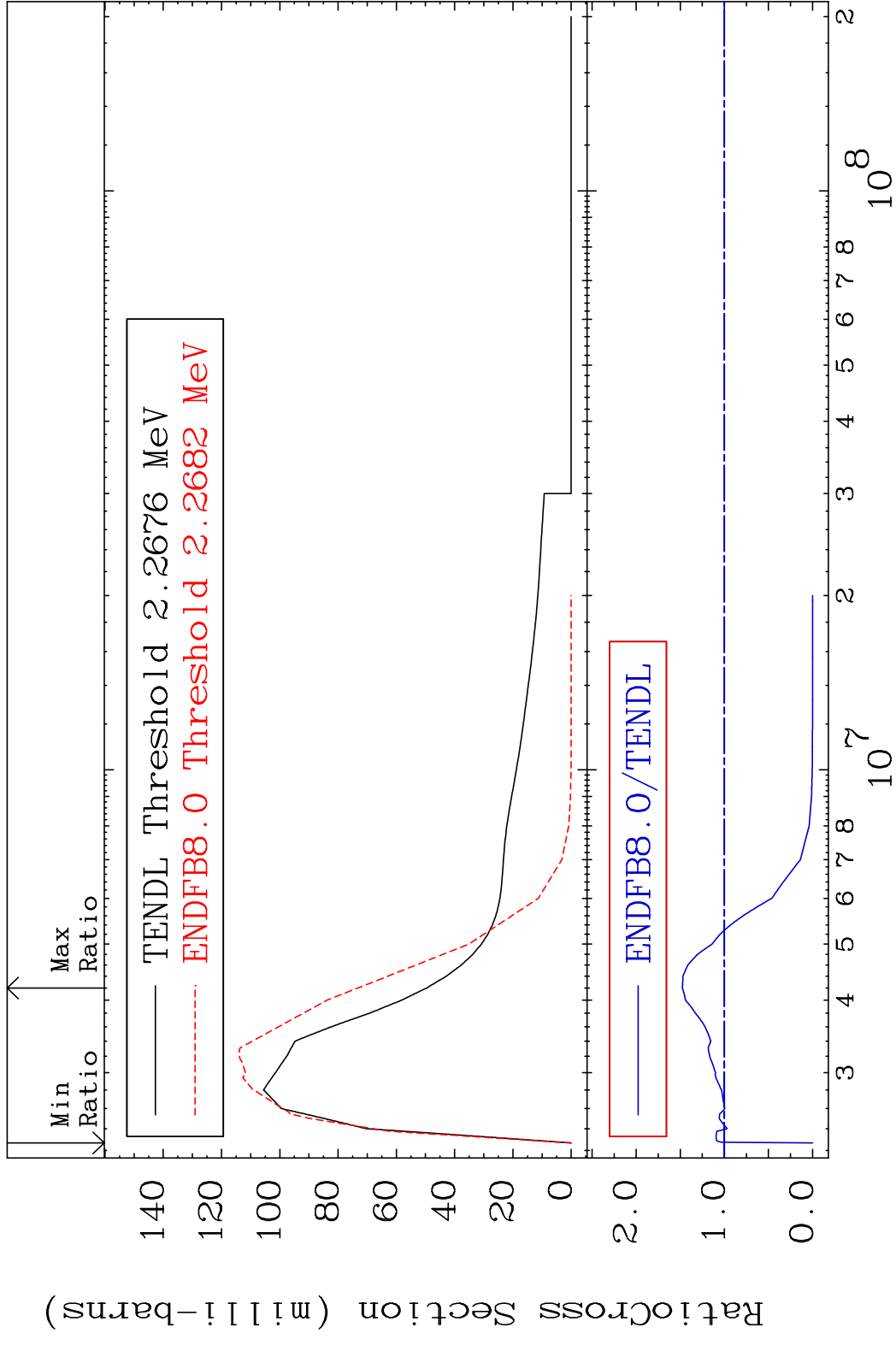
9 Incident Energy (eV) 50-Sn-112

MAT 5025 MT= 53 (n, n') Level 50-Sn-112  
 Cross Section -100.0 To 253.1 %

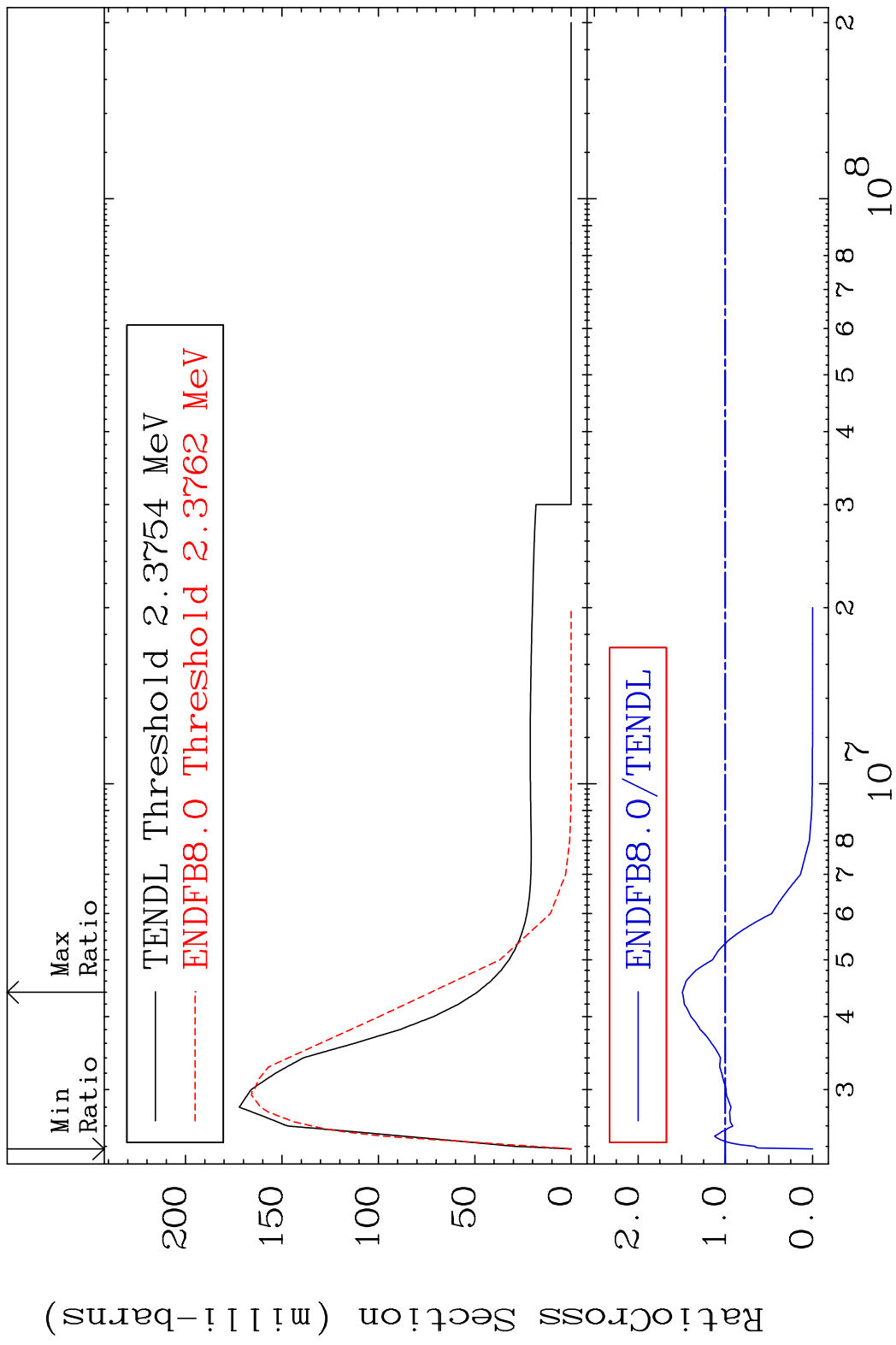


10 Incident Energy (eV) 50-Sn-112

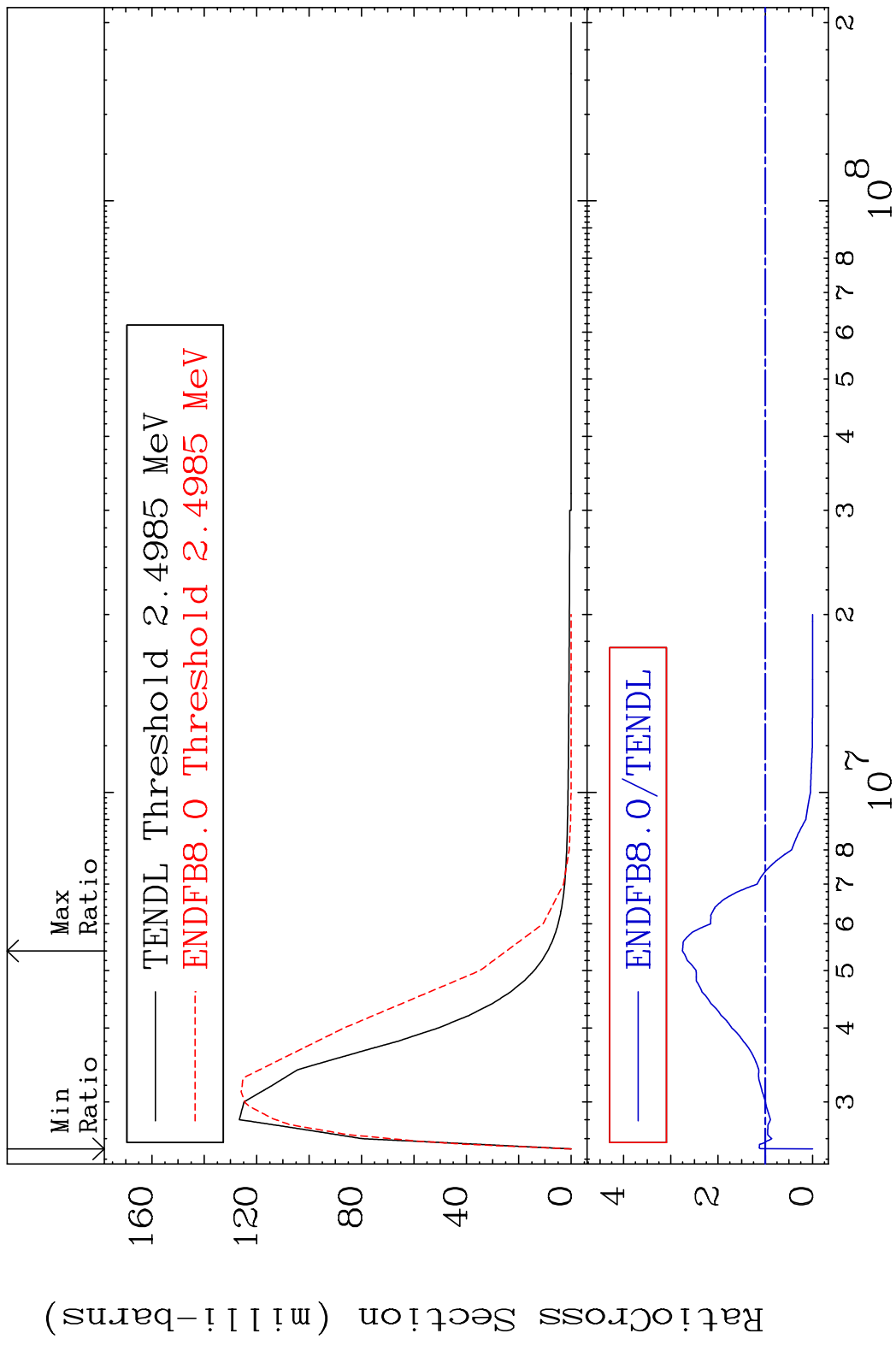
MAT 5025 MT= 54 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 47.63 %



MAT 5025 MT= 55 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 49.22 %

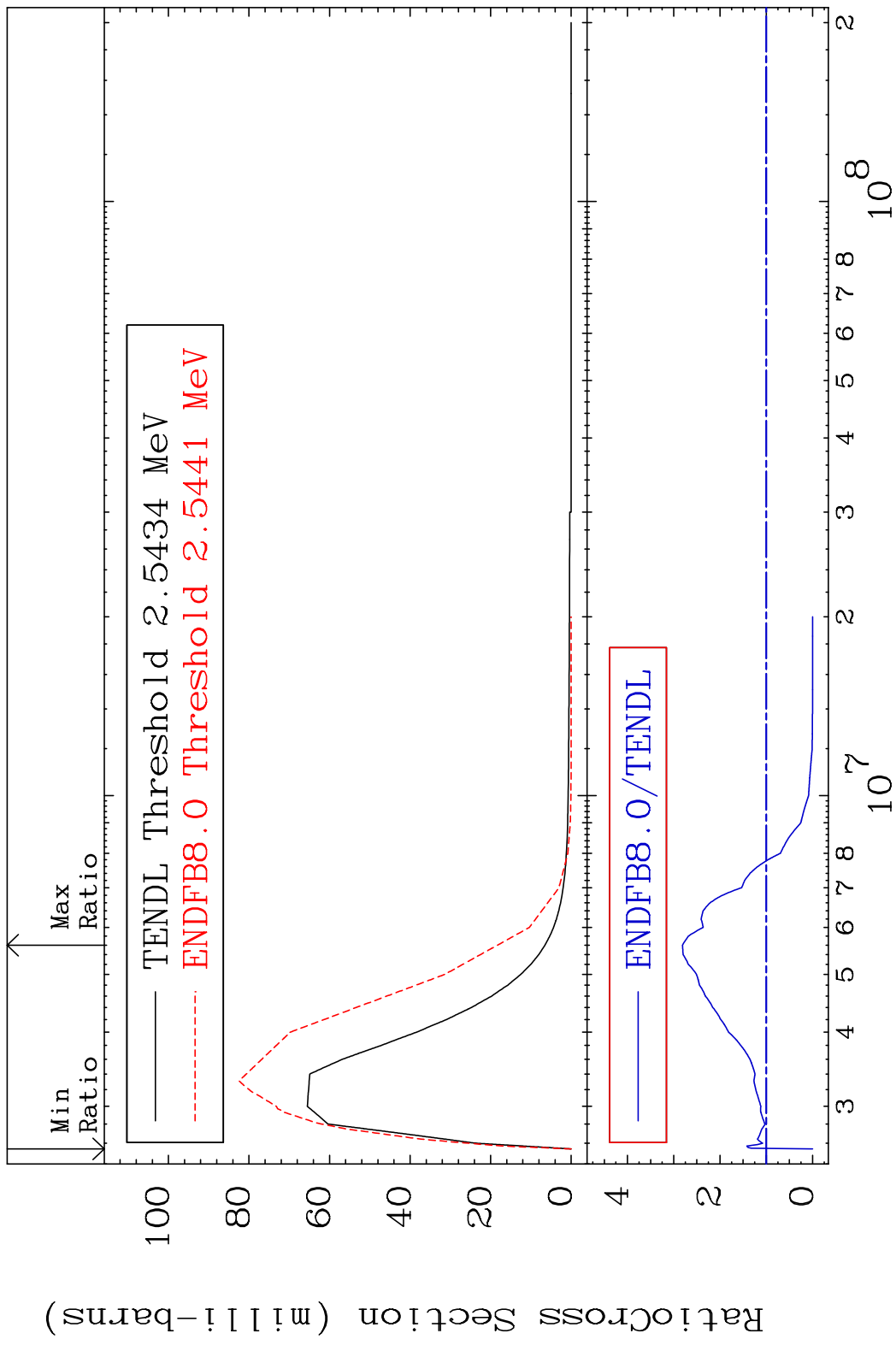


MAT 5025 MT= 56 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 175.6 %



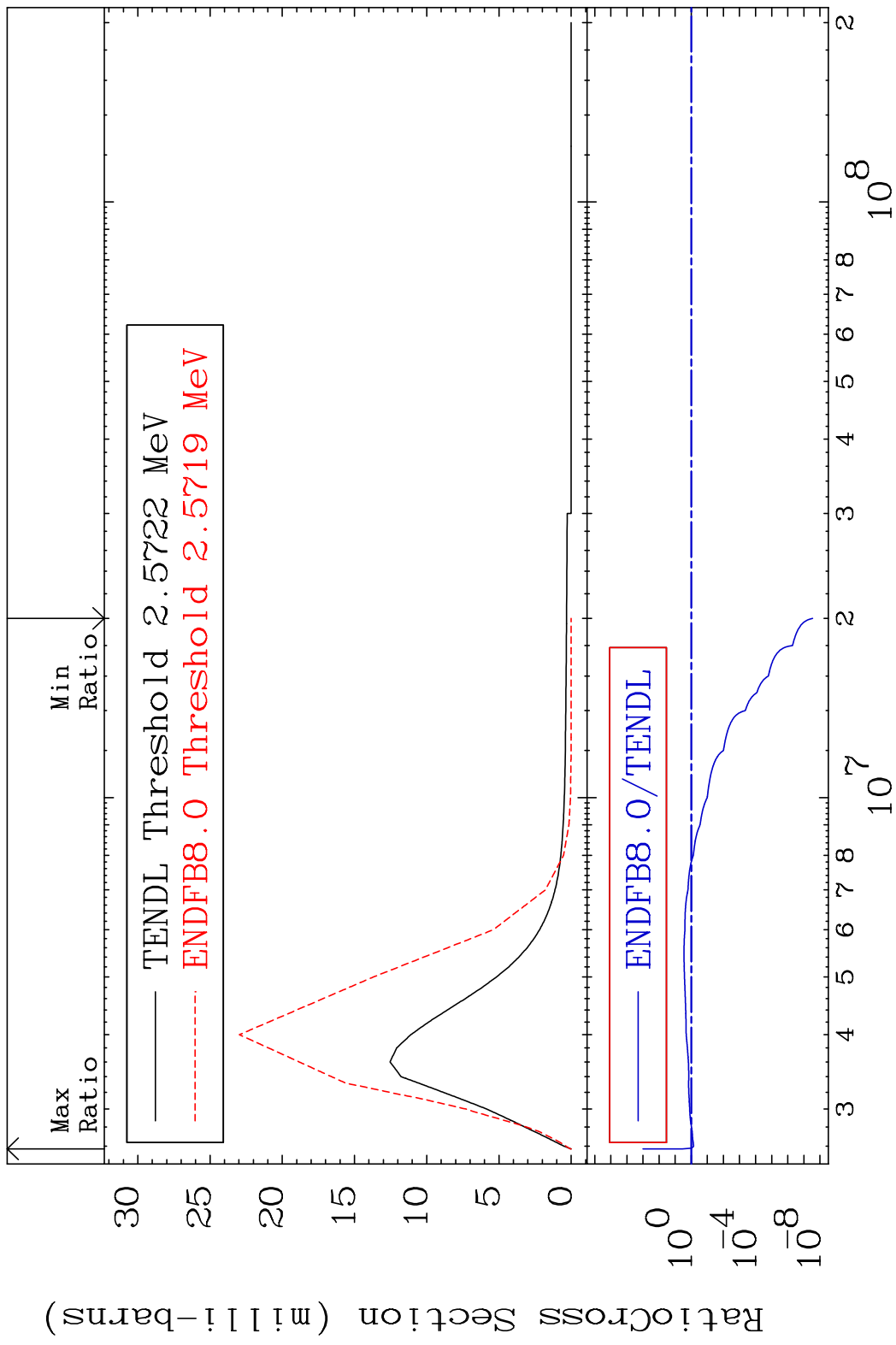
13 Incident Energy (eV) 50-Sn-112

MAT 5025 MT= 57 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 181.3 %



14 Incident Energy (eV) 50-Sn-112

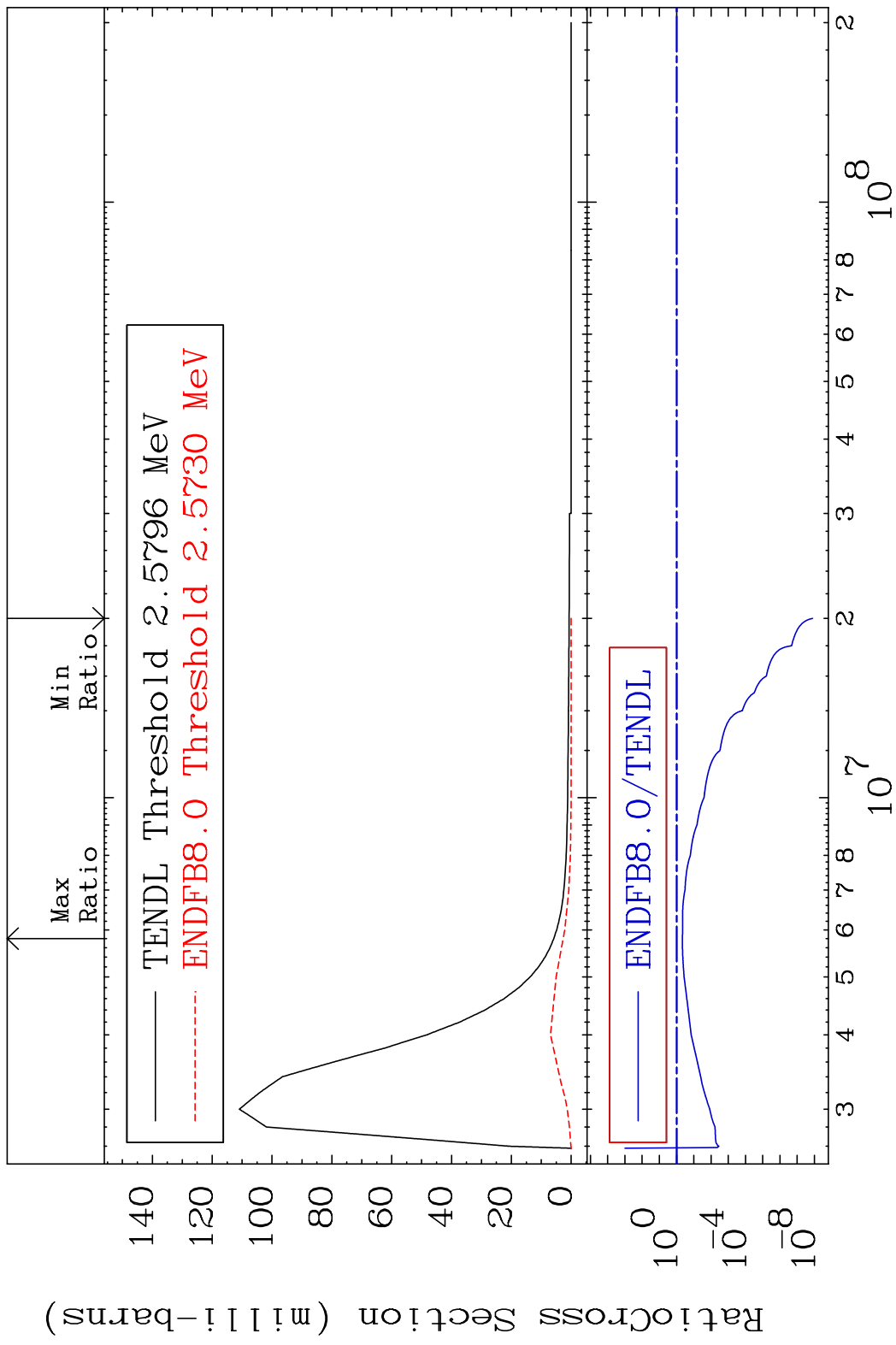
MAT 5025 MT= 58 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 257.3 %



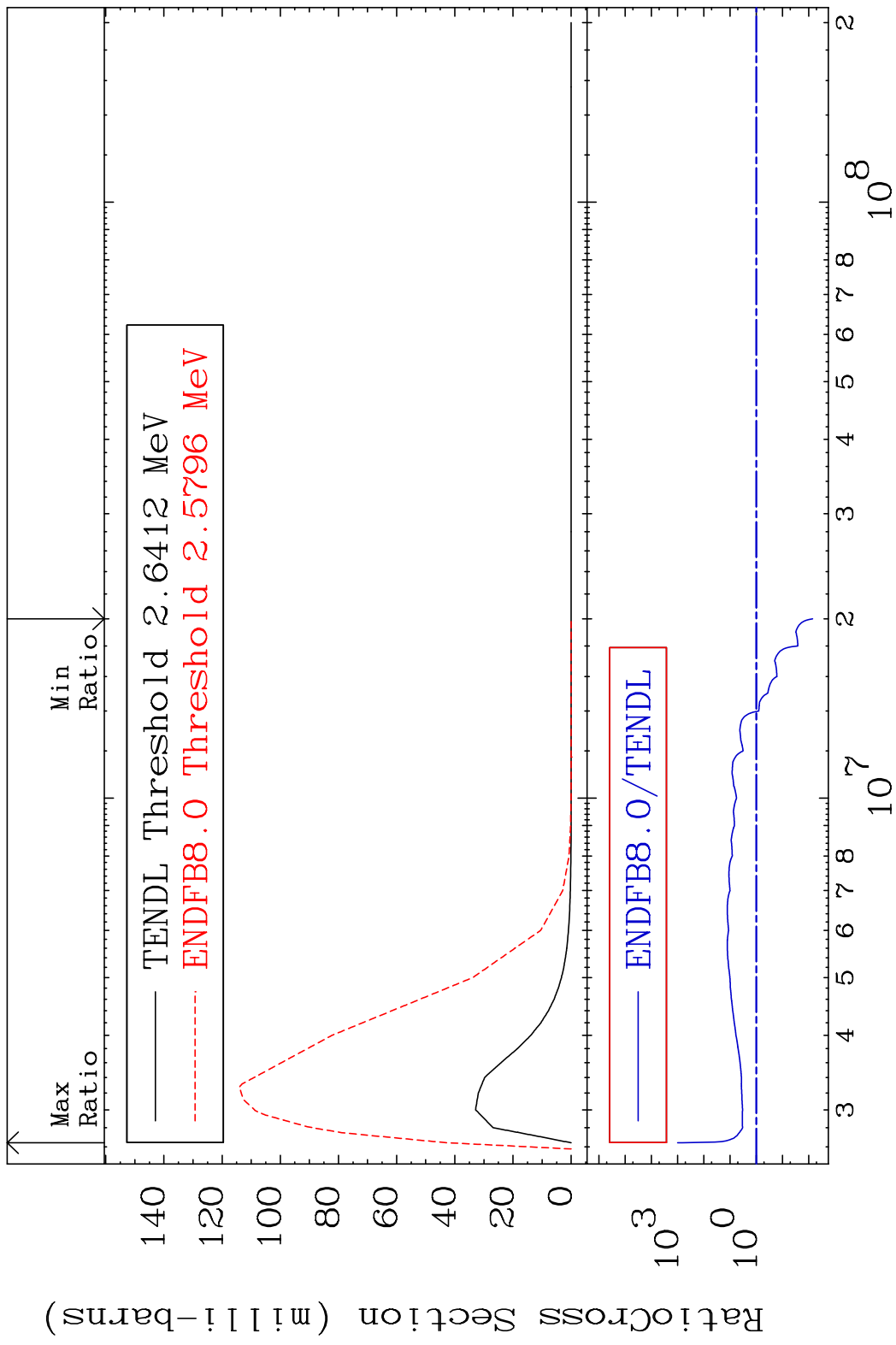
15 50-Sn-112



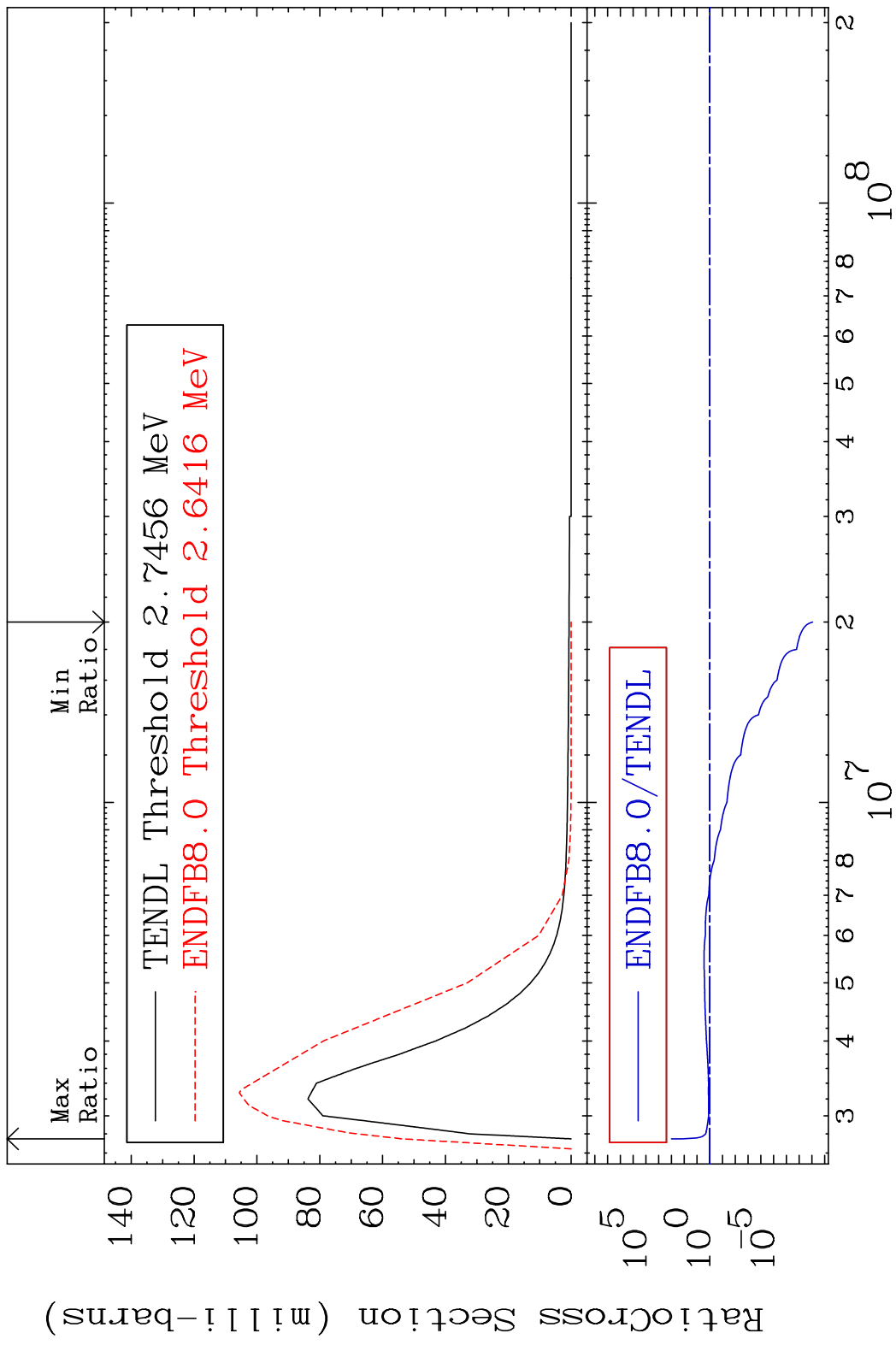
MAT 5025 MT= 59 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To -53.80%



MAT 5025 MT= 60 (n,n') Level 50-Sn-112  
 Cross Section -99.29 To 9999. %

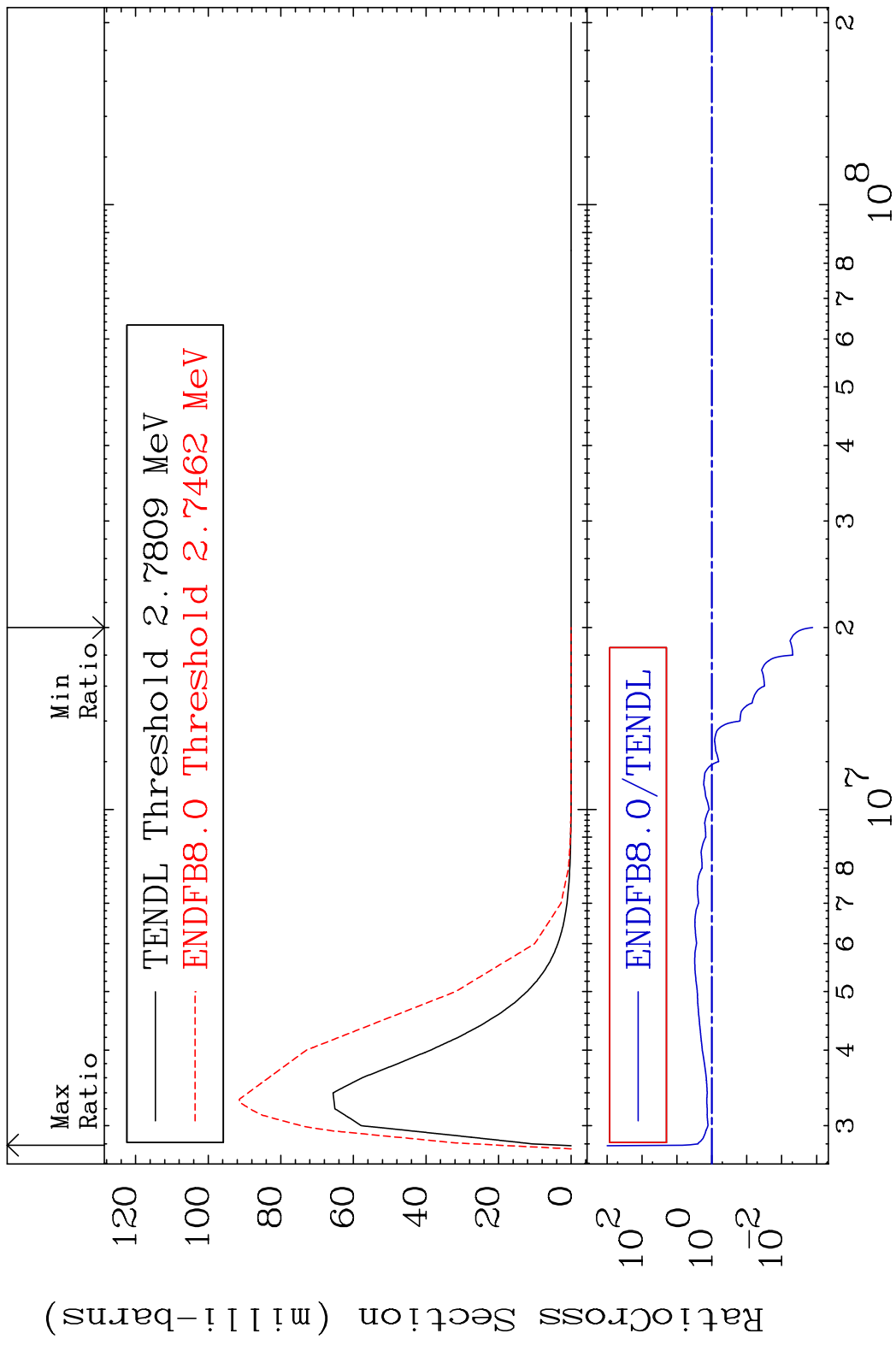


MAT 5025 MT= 61 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 9999. %

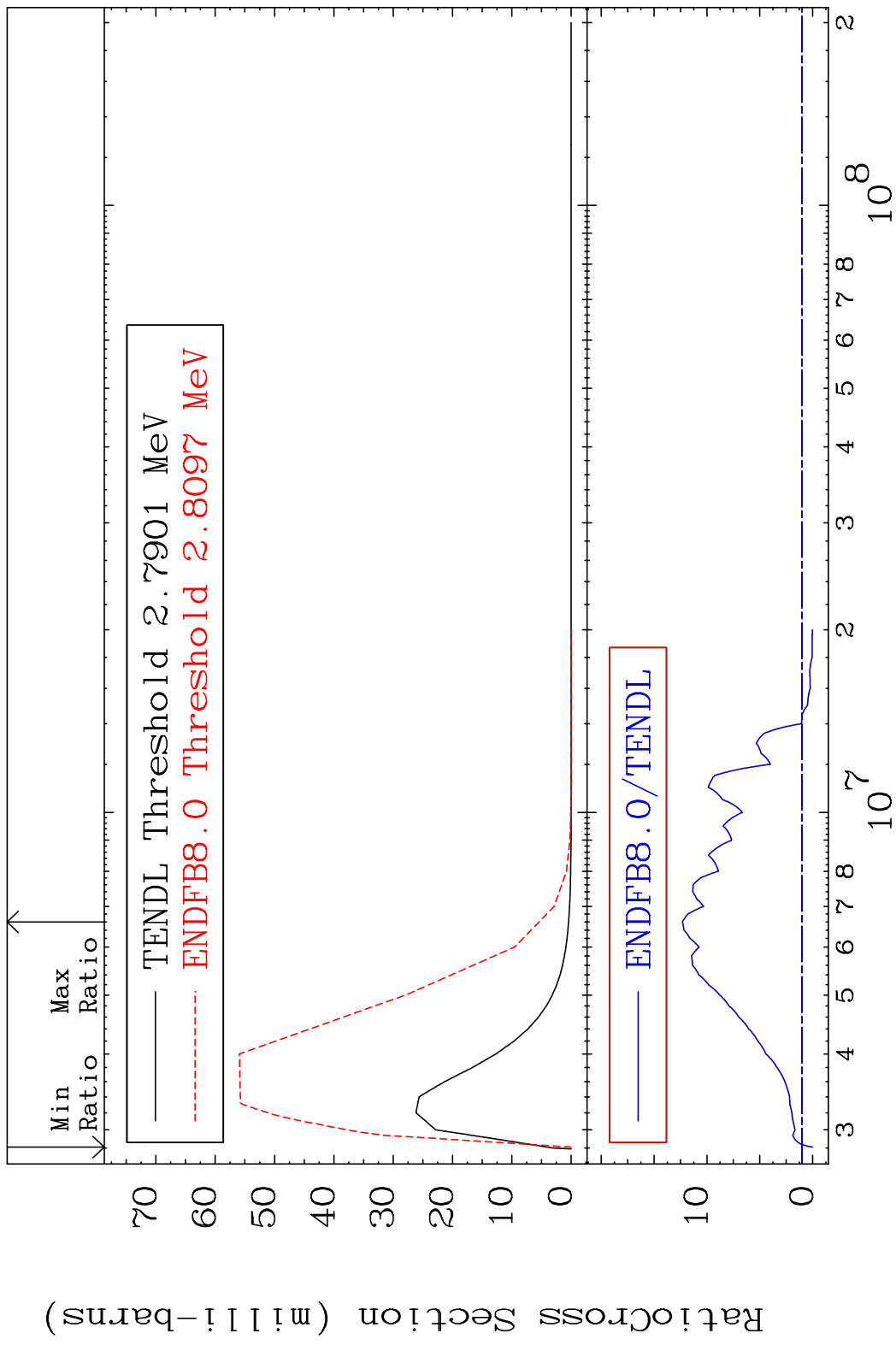


18 Incident Energy (eV) 50-Sn-112

MAT 5025 MT= 62 (n, n') Level 50-Sn-112  
 Cross Section -99.87 To 599.7 %

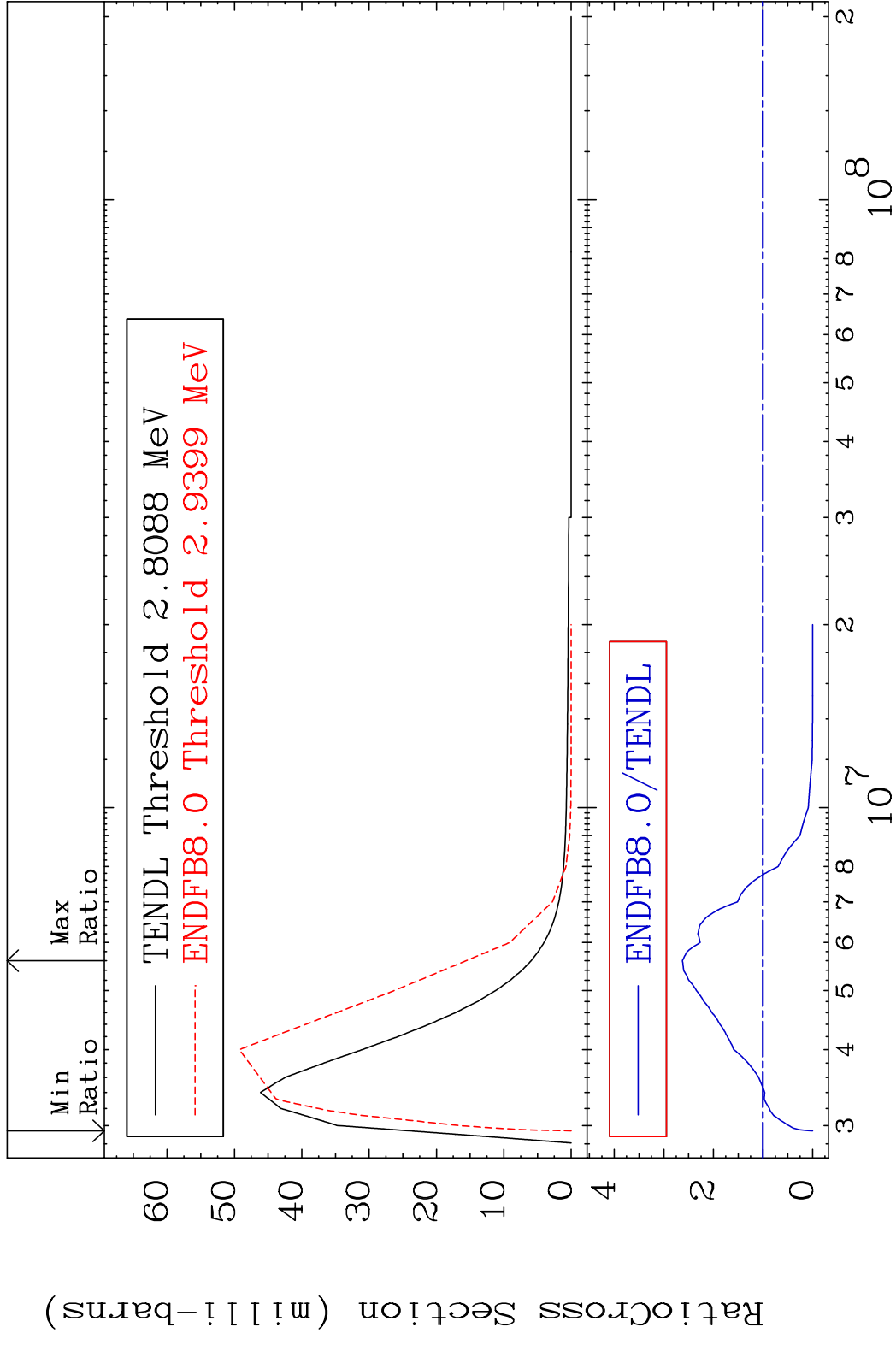


MAT 5025 MT= 63 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 1133. %

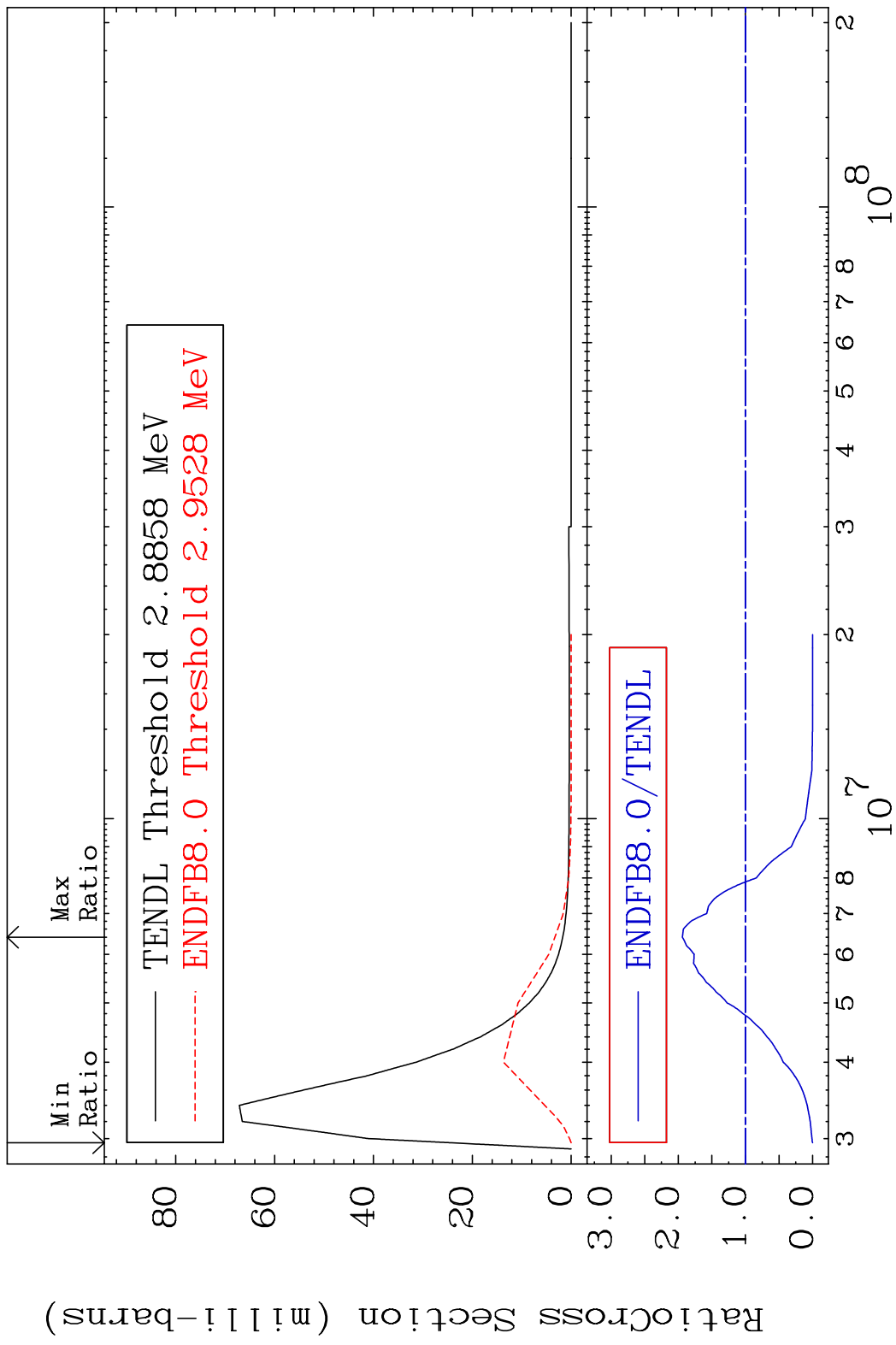


20 Incident Energy (eV) 50-Sn-112

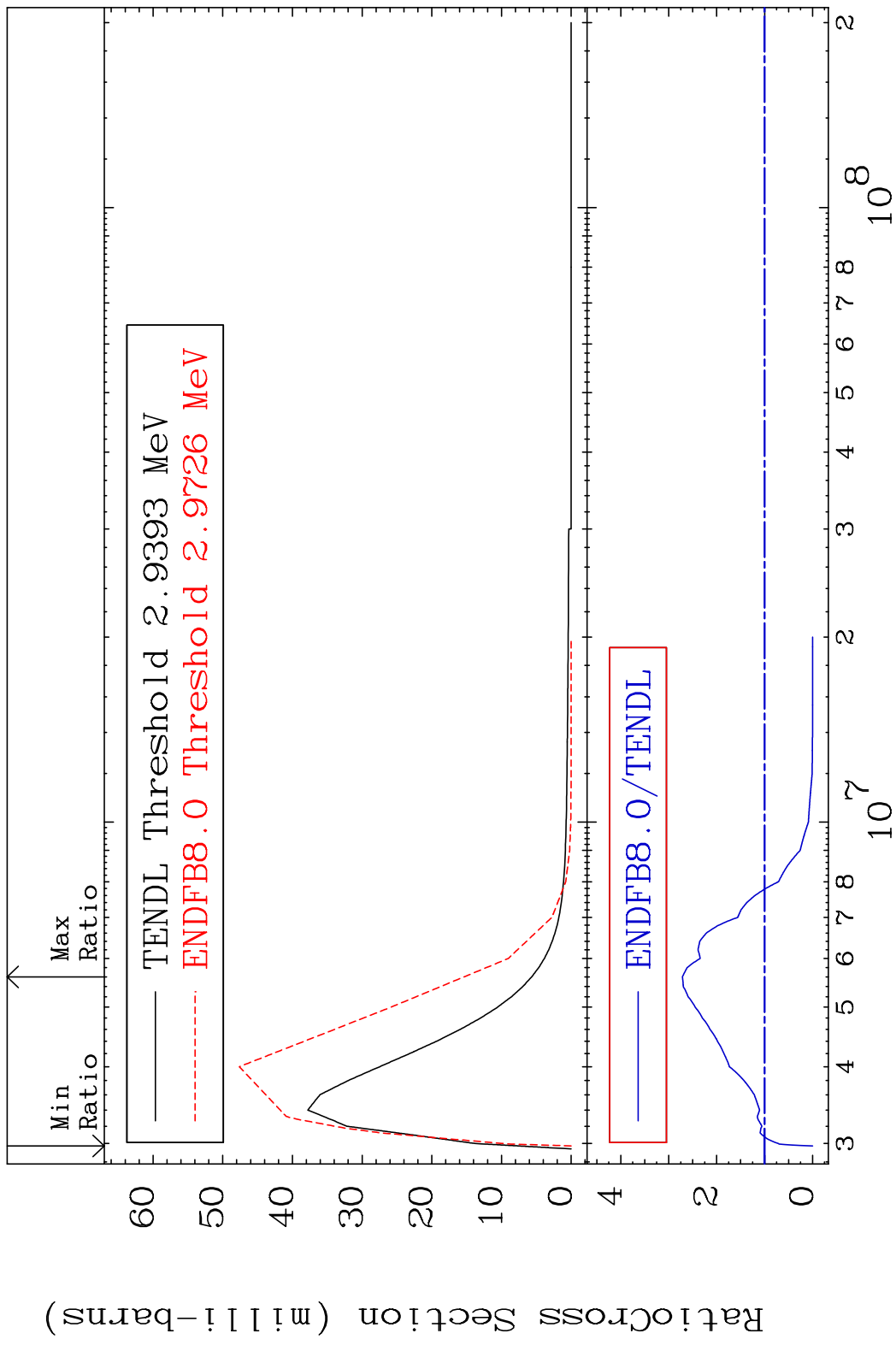
MAT 5025 MT= 64 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 162.6 %



MAT 5025 MT= 65 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 93.91 %

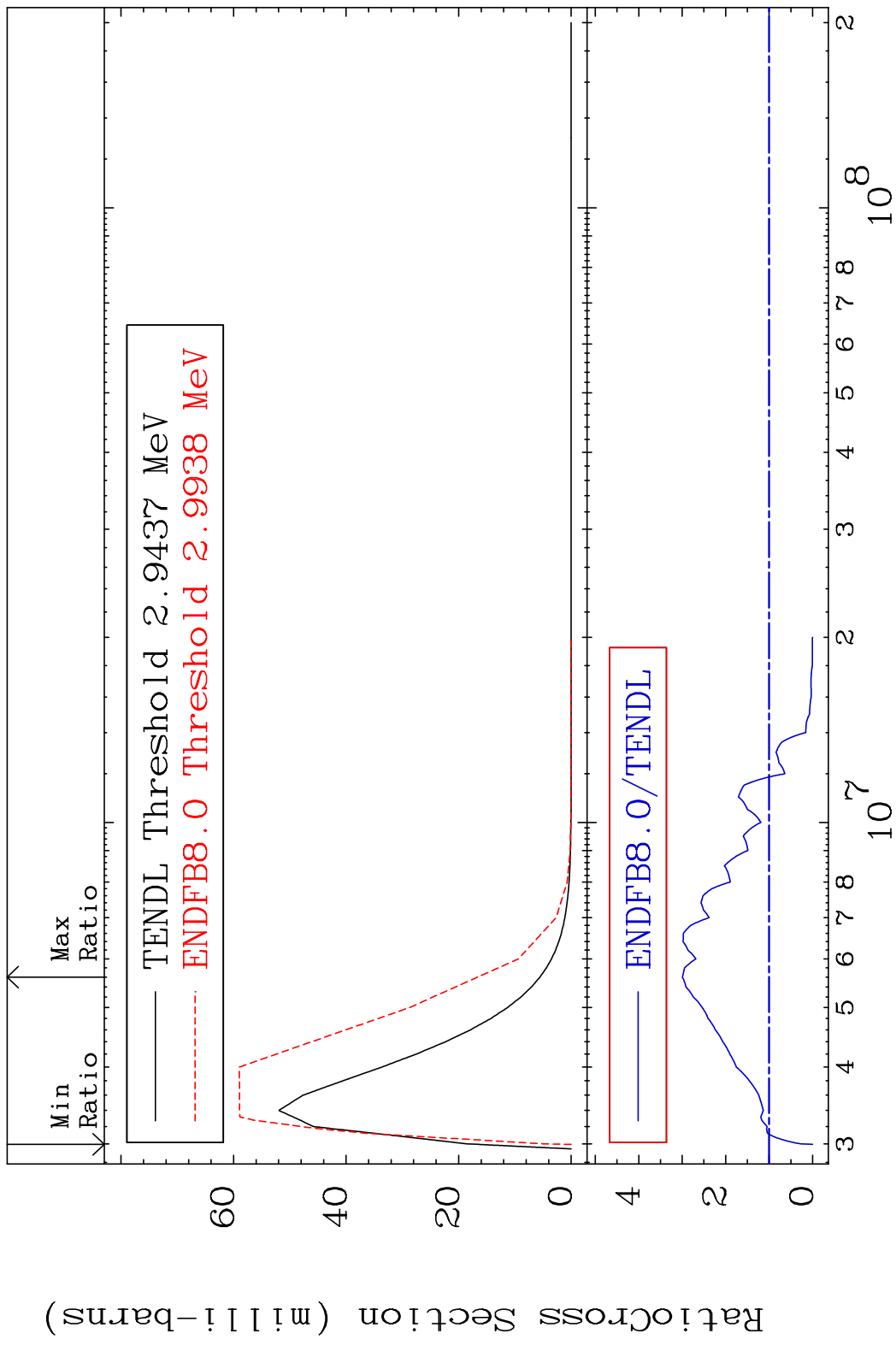


MAT 5025 MT= 66 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 171.5 %

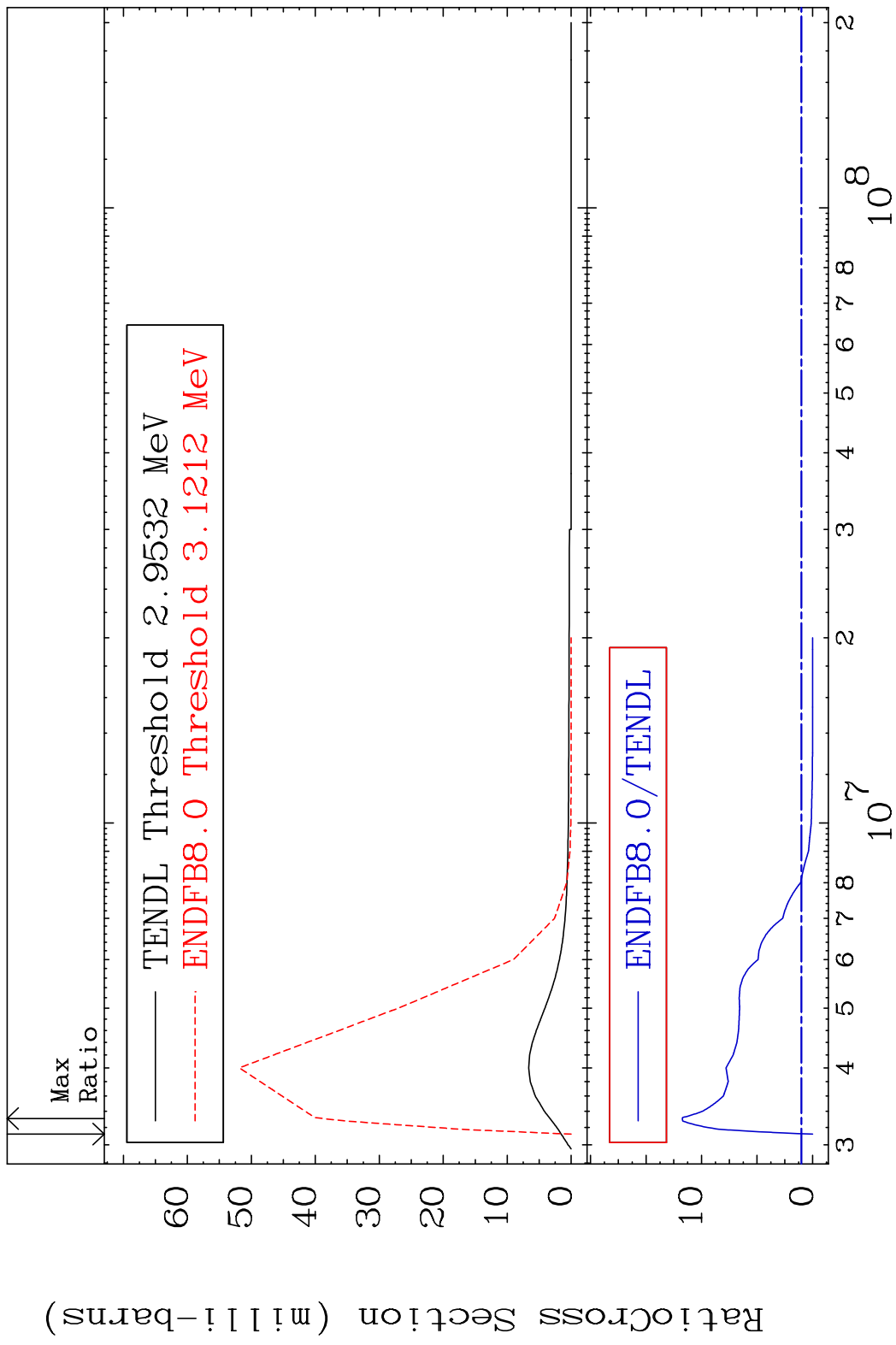




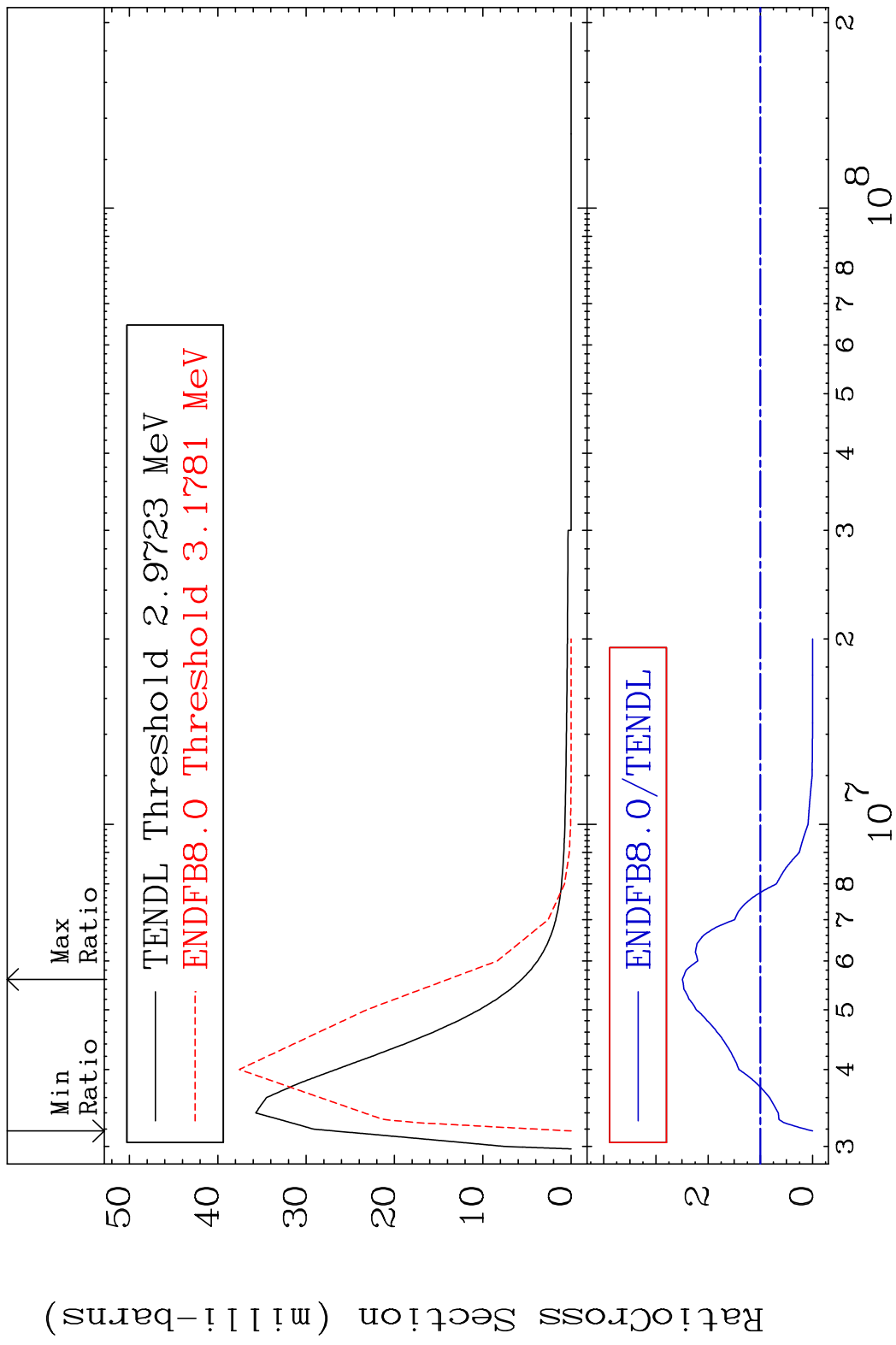
MAT 5025 MT= 67 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 199.6 %



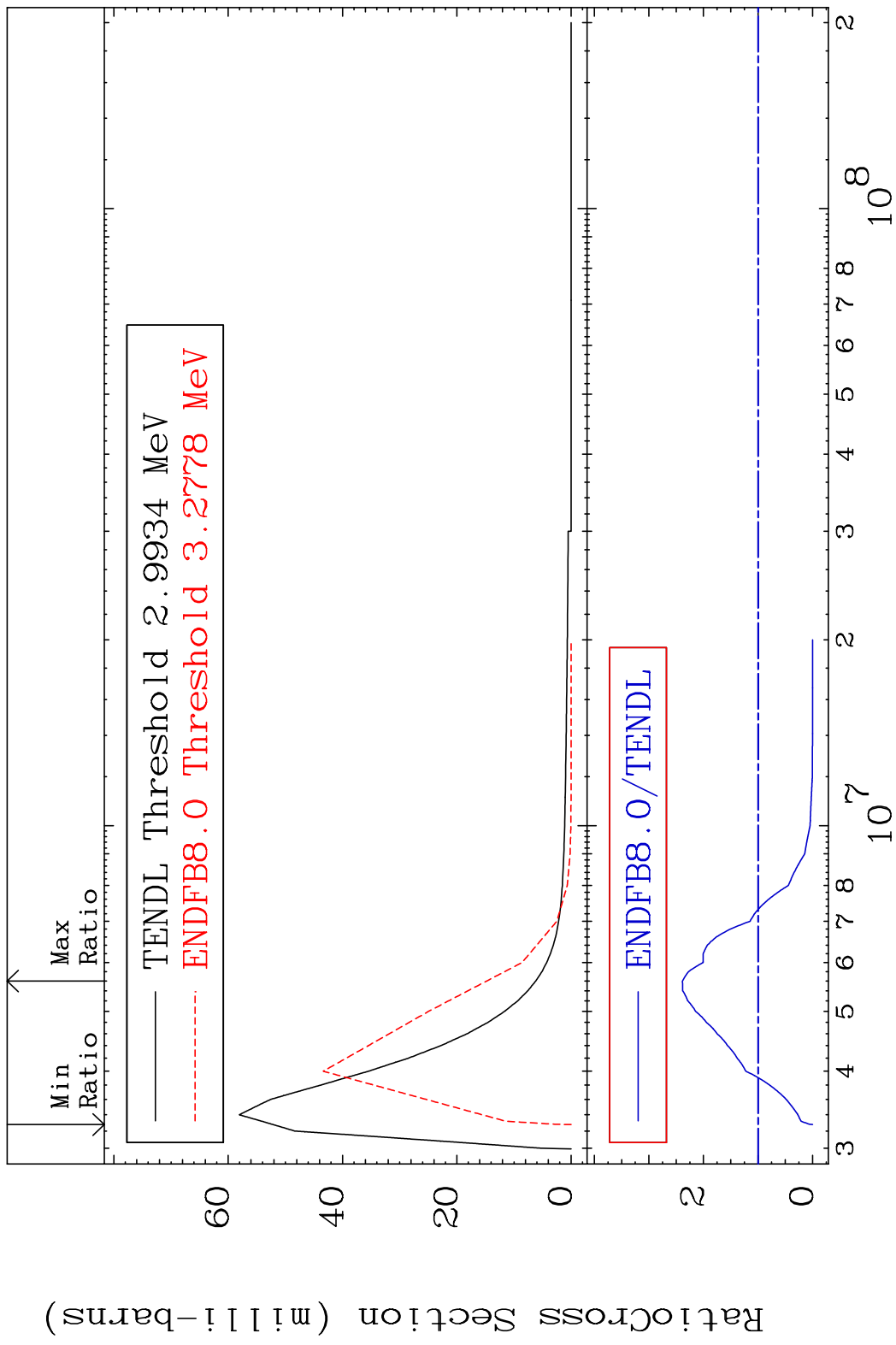
MAT 5025 MT= 68 (n, n') Level 50-Sn-112  
 Cross Section -100.0 To 1073. %



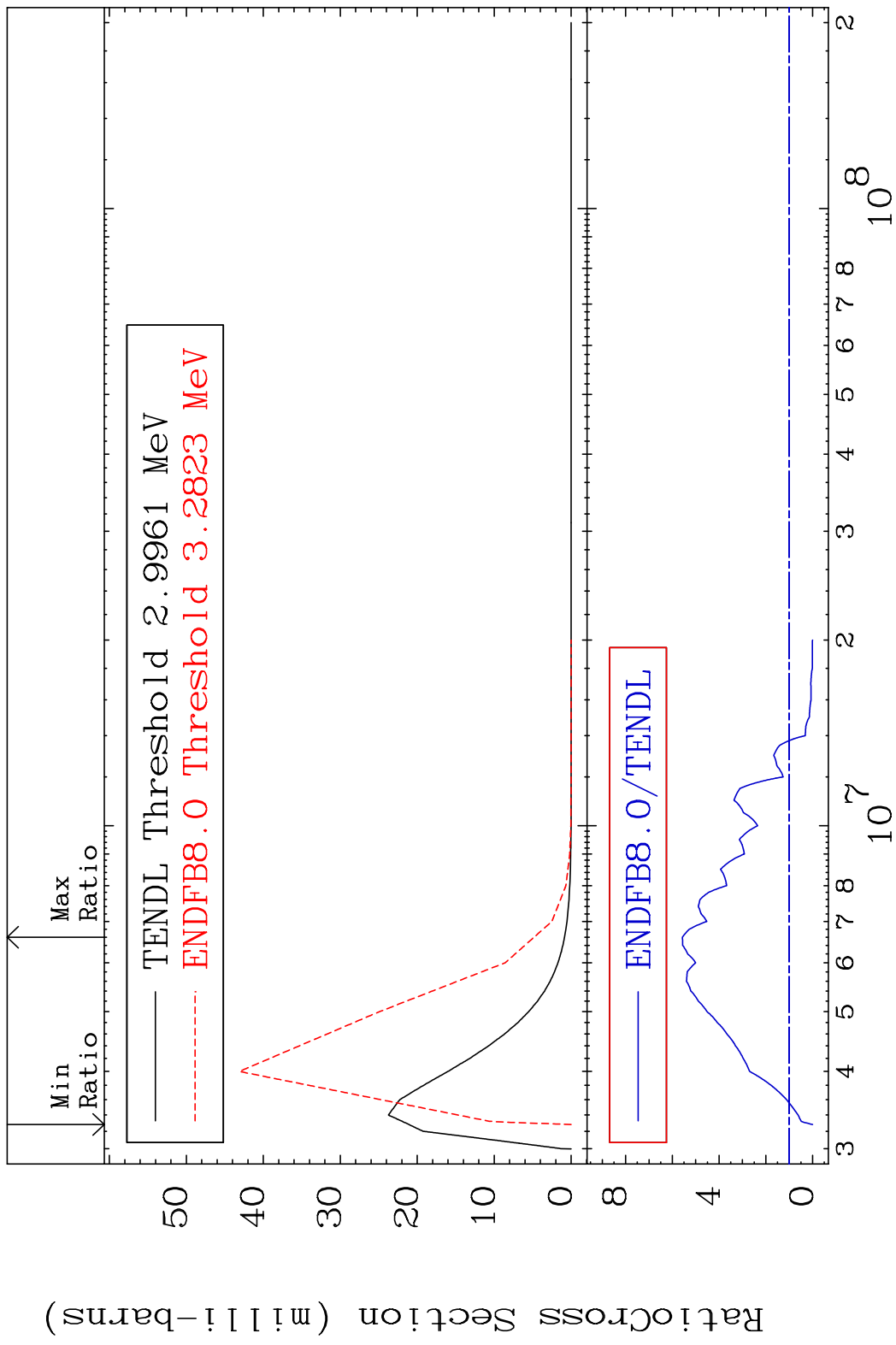
MAT 5025 MT= 69 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 149.4 %



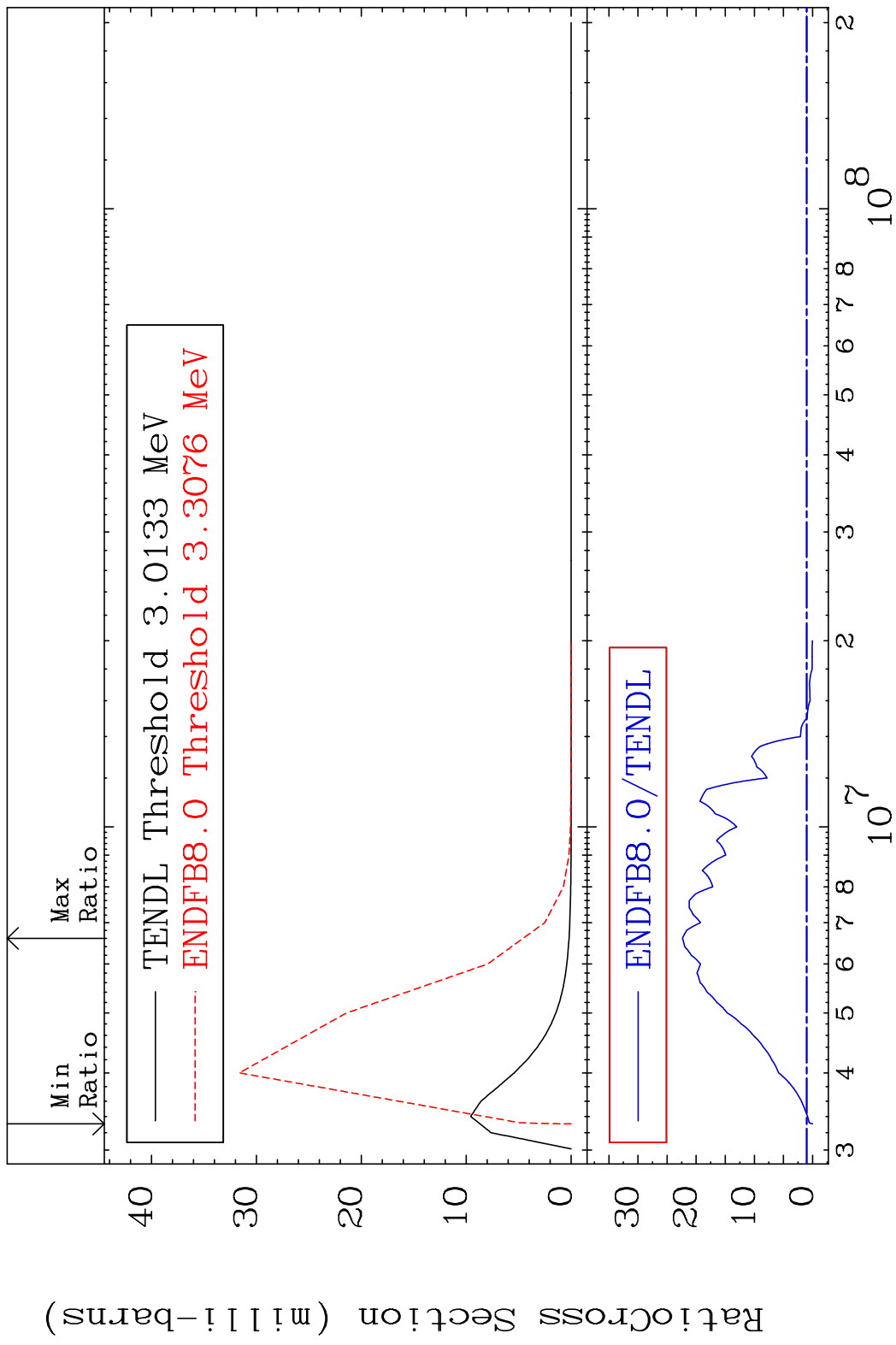
MAT 5025 MT= 70 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 138.7 %



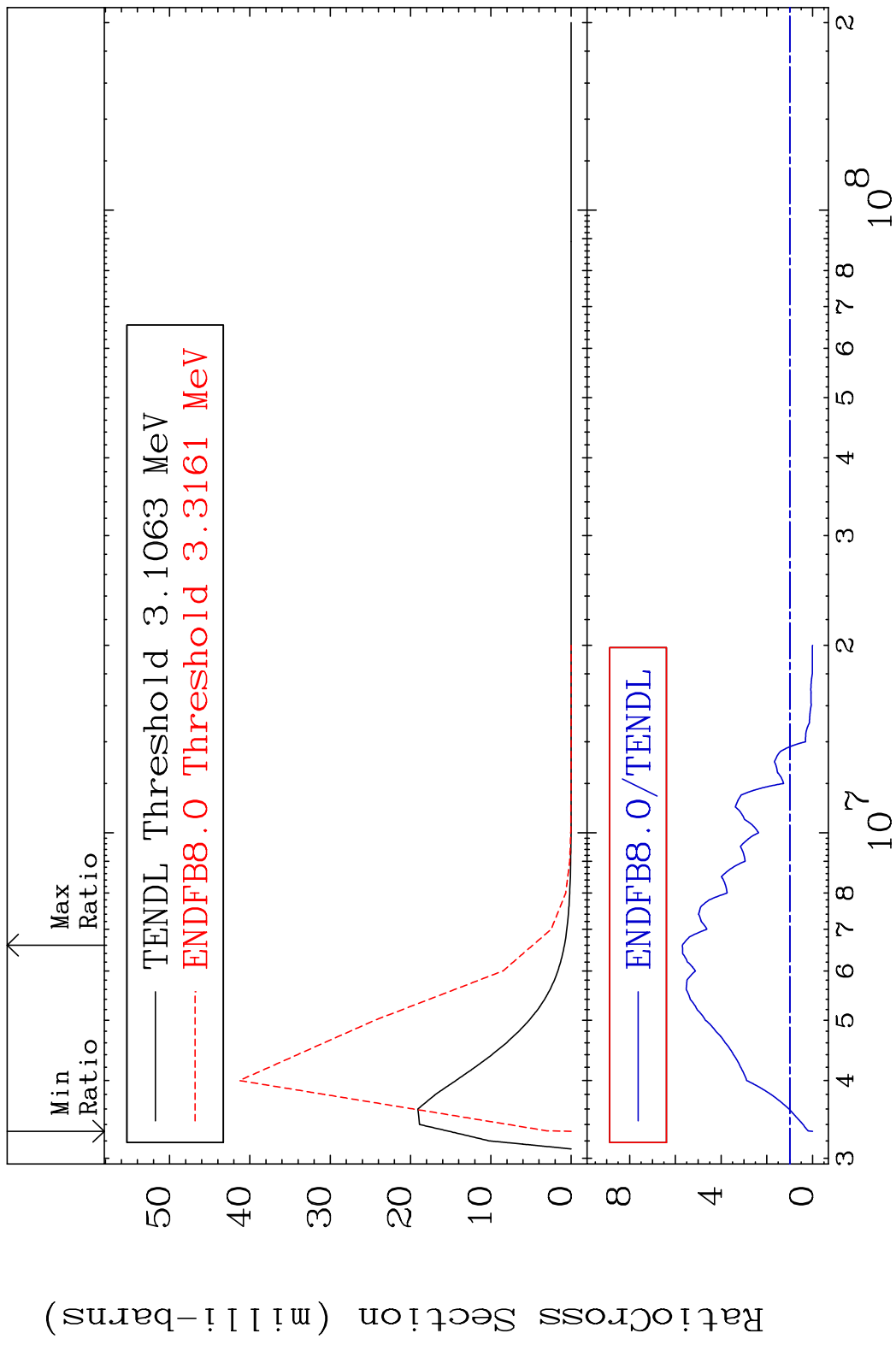
MAT 5025 MT= 71 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 457.2 %



MAT 5025 MT= 72 (n,n') Level 50-Sn-112  
 Cross Section -100.0 To 2137. %

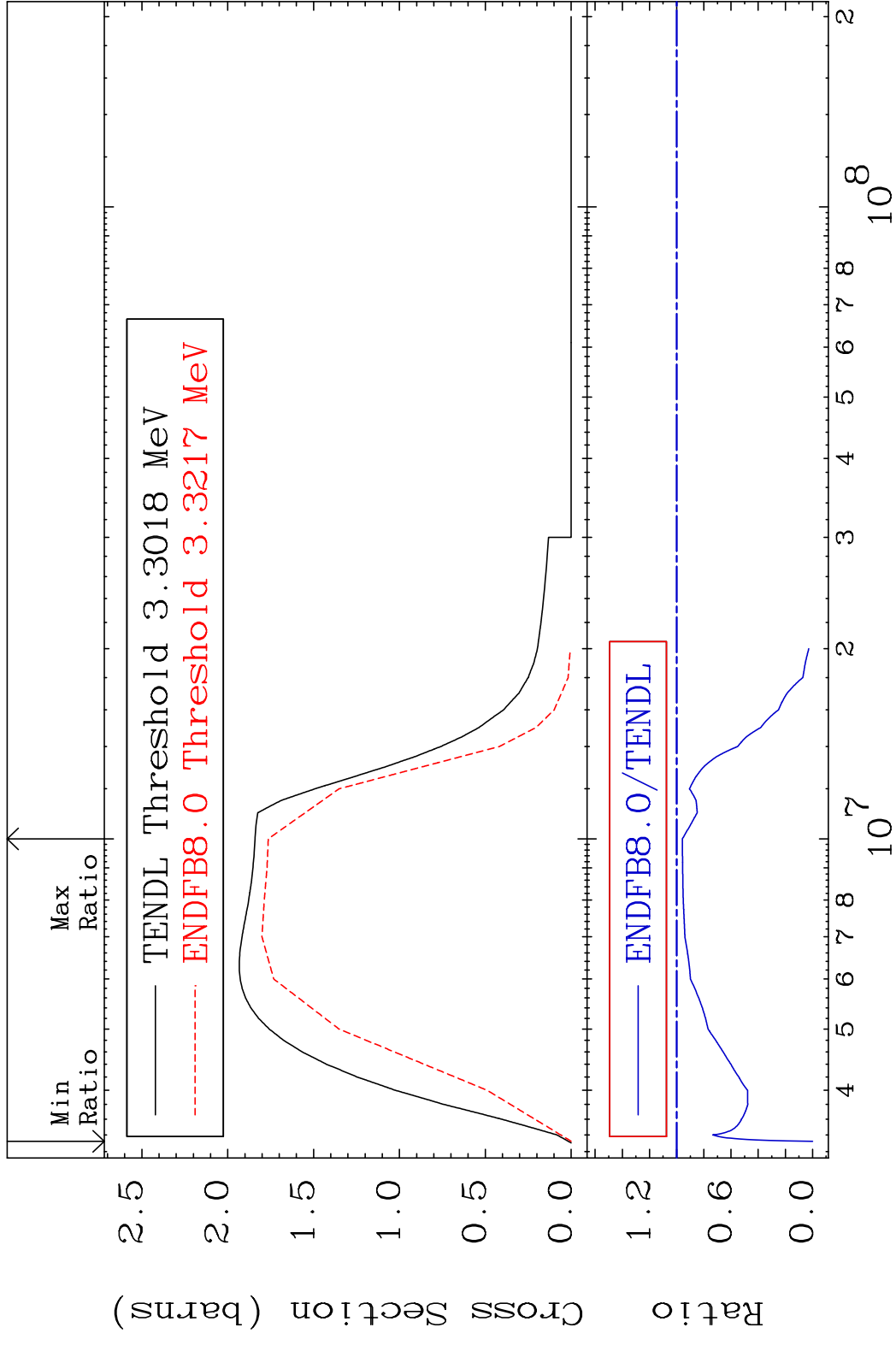


MAT 5025 MT= 73 (n, n') Level 50-Sn-112  
 Cross Section -100.0 To 469.4 %



30 Incident Energy (eV) 50-Sn-112

MAT 5025 (n,n') Continuum 50-Sn-112  
 Cross Section -100.0 To -4.183%



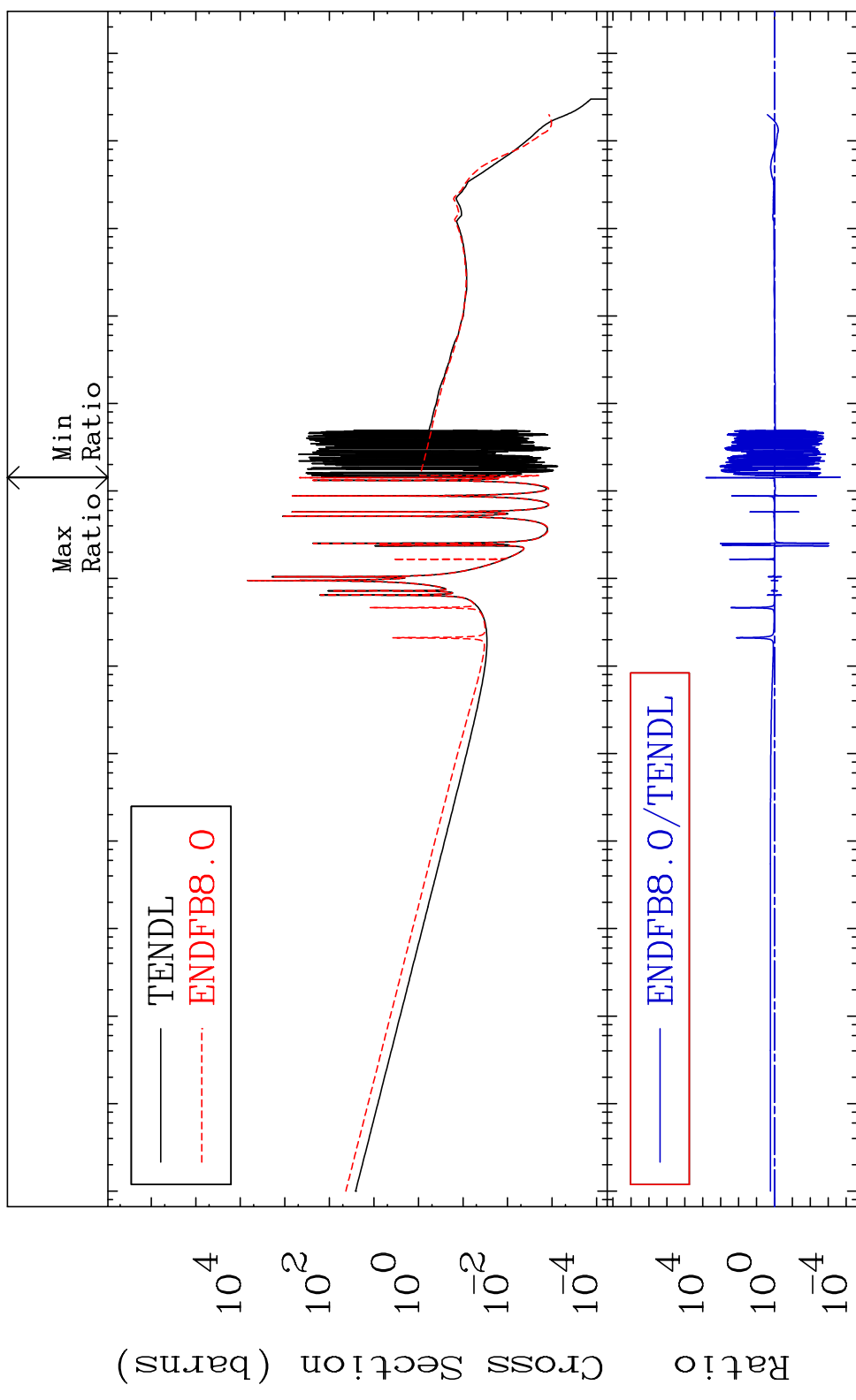


MAT 5025

(n,  $\gamma$ )

50-Sn-112

Cross Section -99.98 To 9999. %

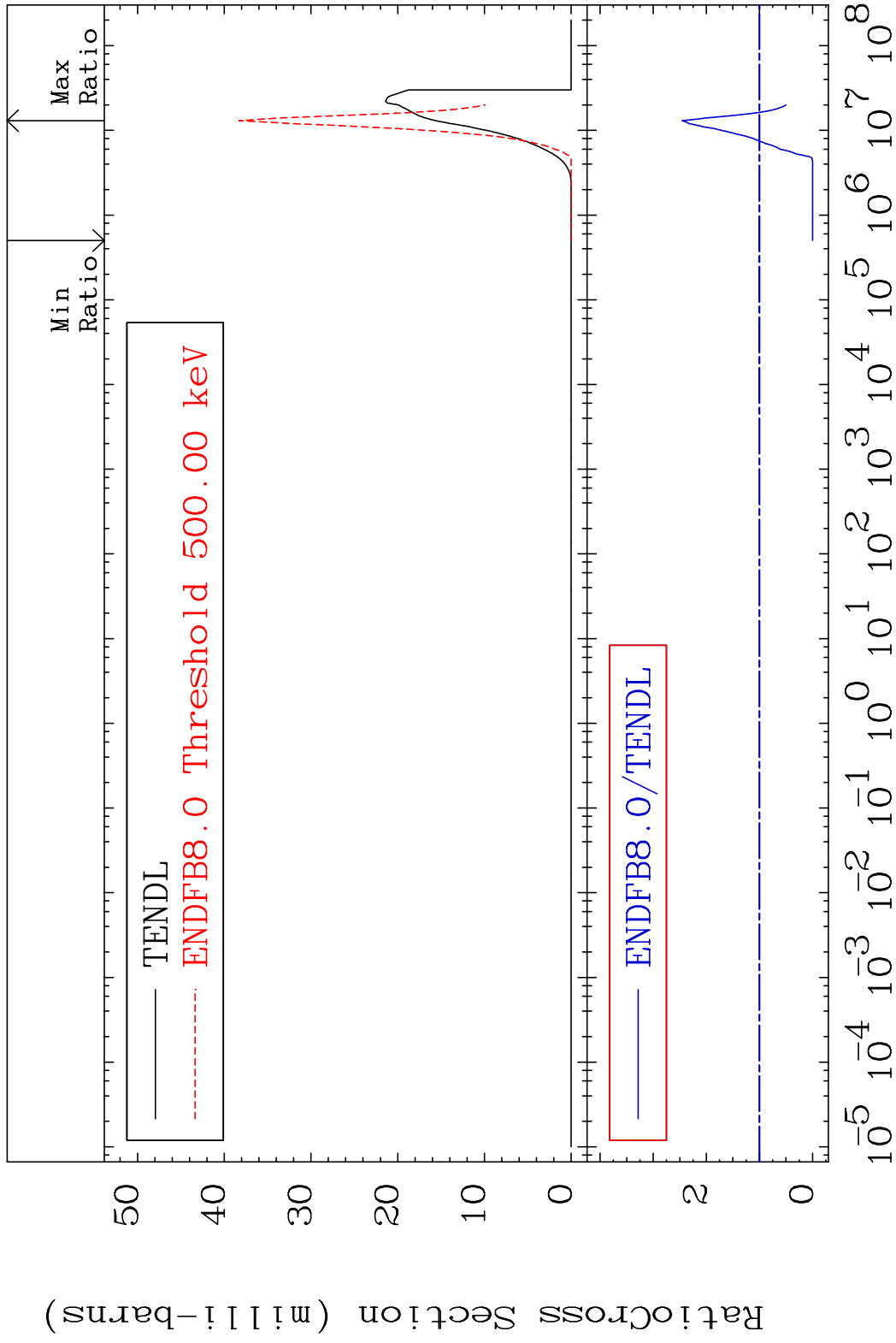


MAT 5025

(n, p)

50-Sn-112

Cross Section -100.0 To 145.1 %



33

Incident Energy (eV)

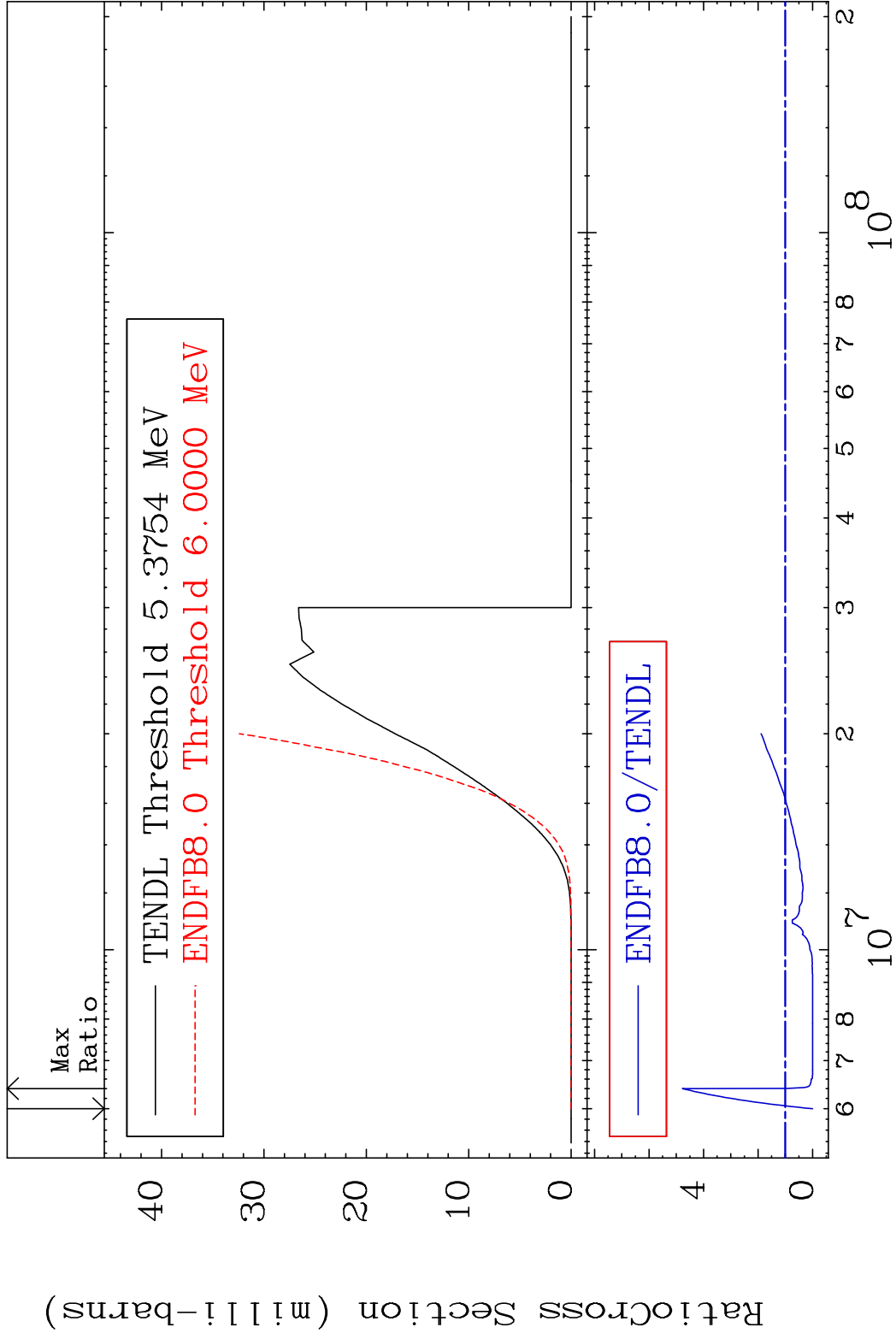
50-Sn-112

MAT 5025

(n,d)

50-Sn-112

Cross Section -100.0 To 377.7 %



34

Incident Energy (eV)

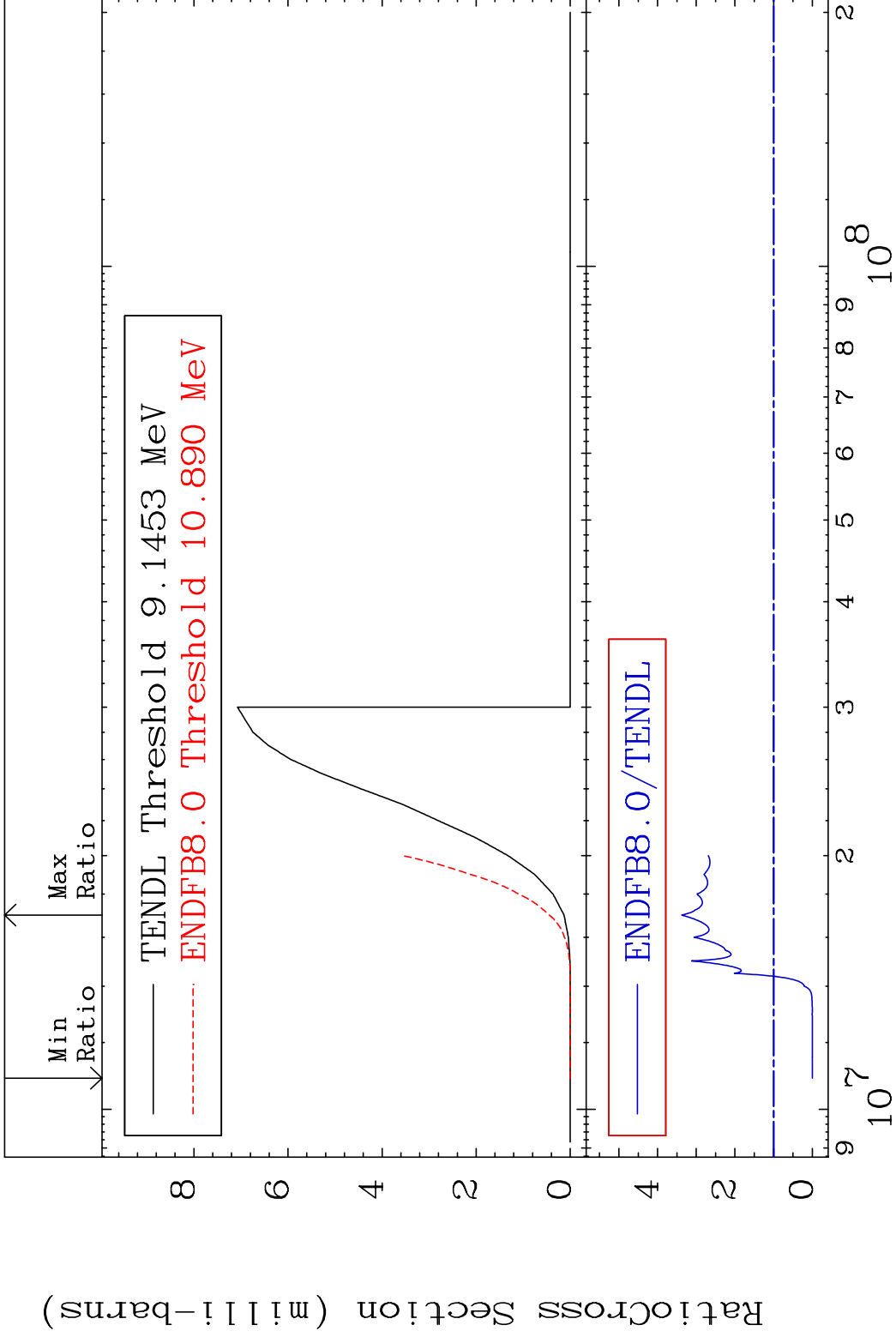
50-Sn-112

MAT 5025

(n, t)

50-Sn-112

Cross Section -100.0 To 237.5 %



35

Incident Energy (eV)

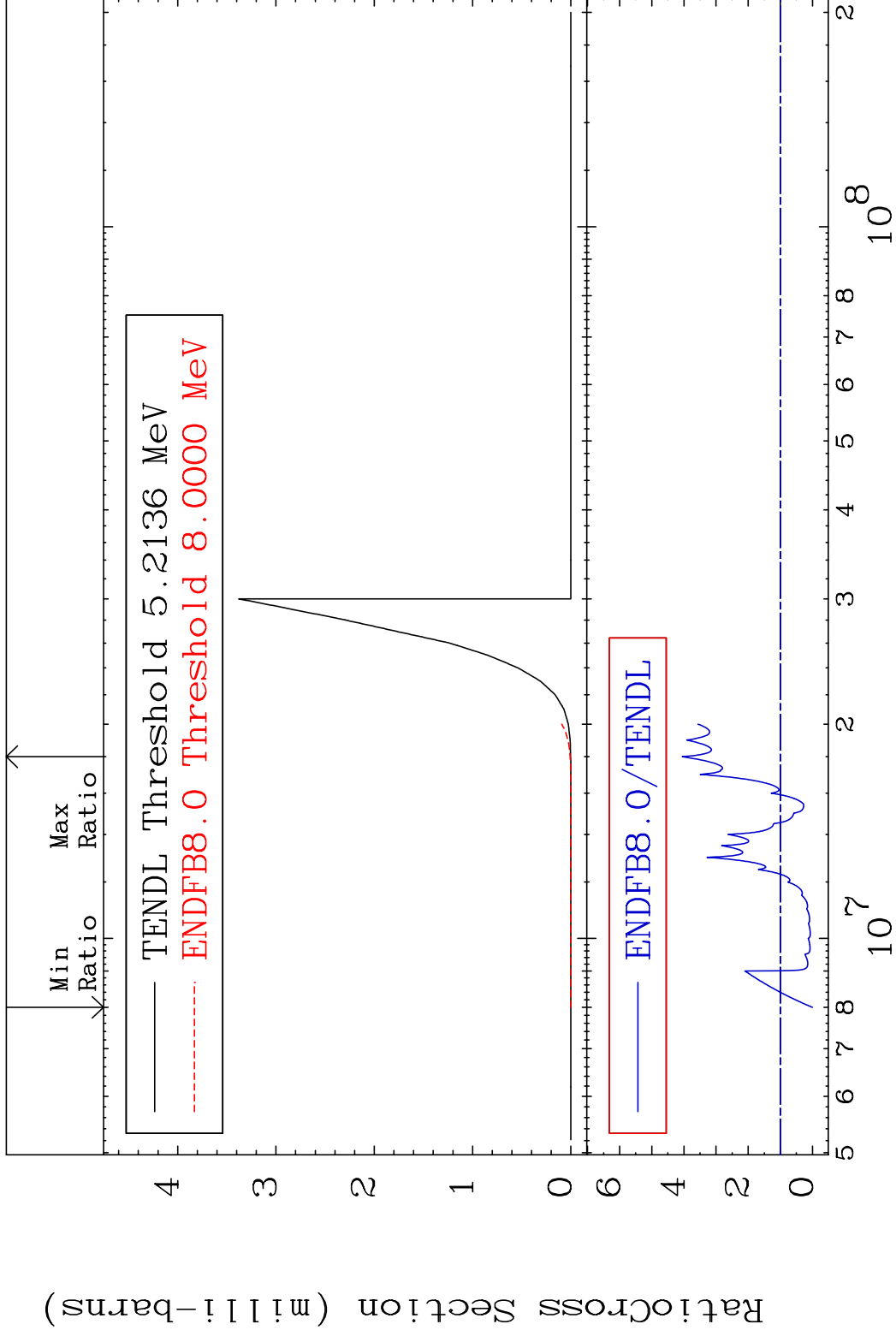
50-Sn-112

MAT 5025

(n, He-3)

50-Sn-112

Cross Section -100.0 To 305.5 %

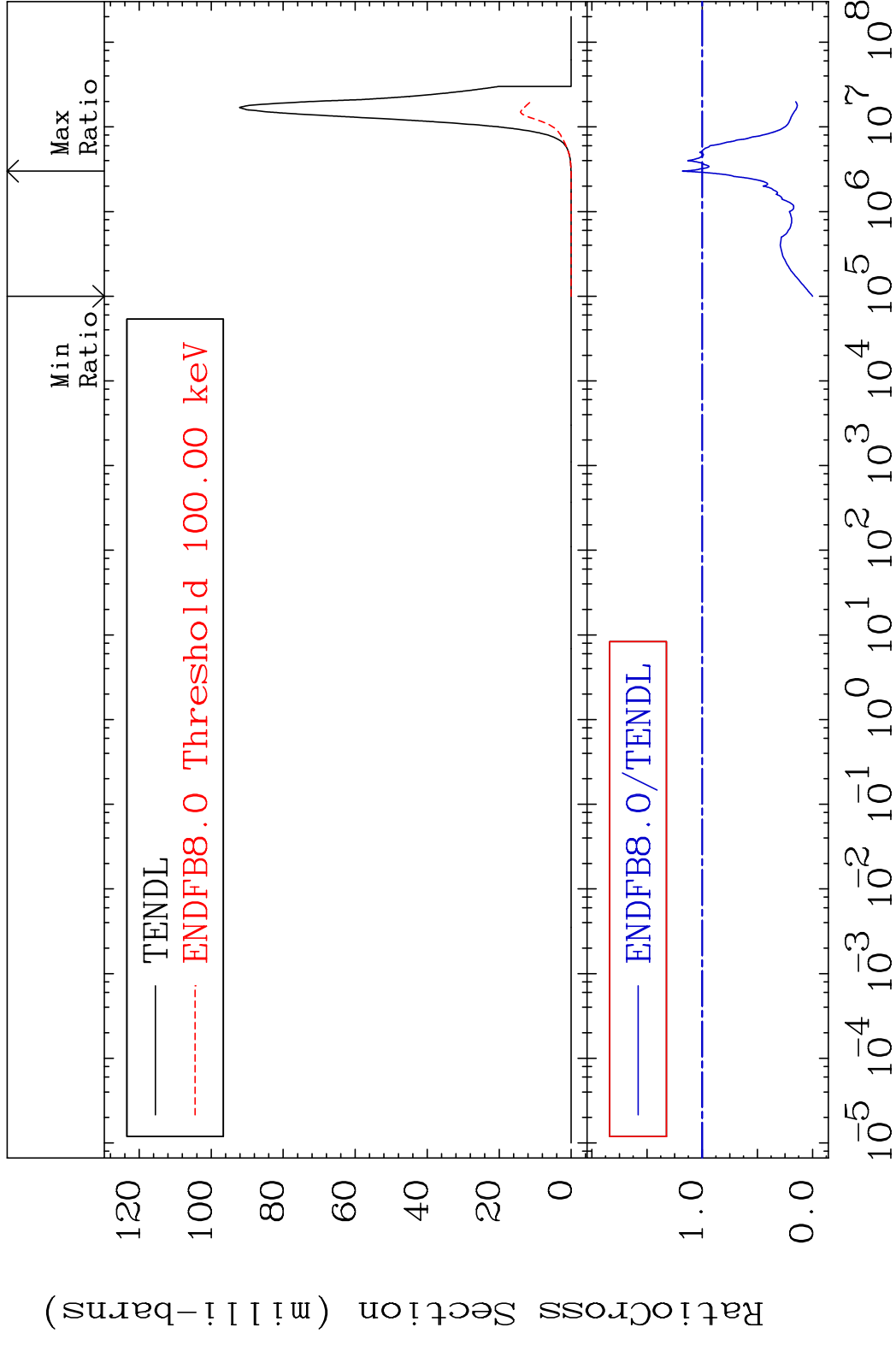


36

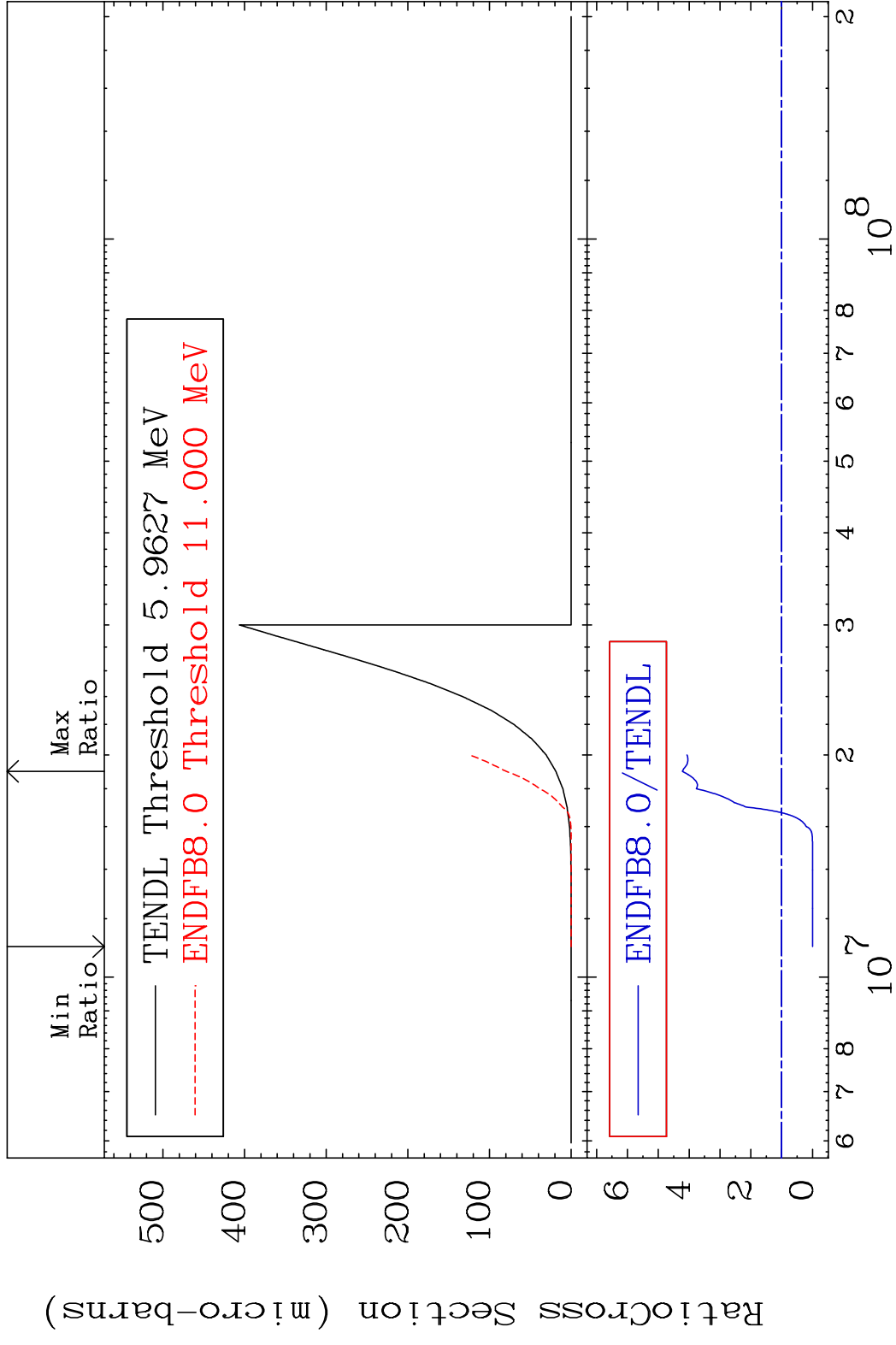
Incident Energy (eV)

50-Sn-112

MAT 5025 (n,  $\alpha$ ) 50-Sn-112  
 Cross Section -100.0 To 17.95 %



MAT 5025 (n,2p) 50-Sn-112  
 Cross Section -100.0 To 322.0 %

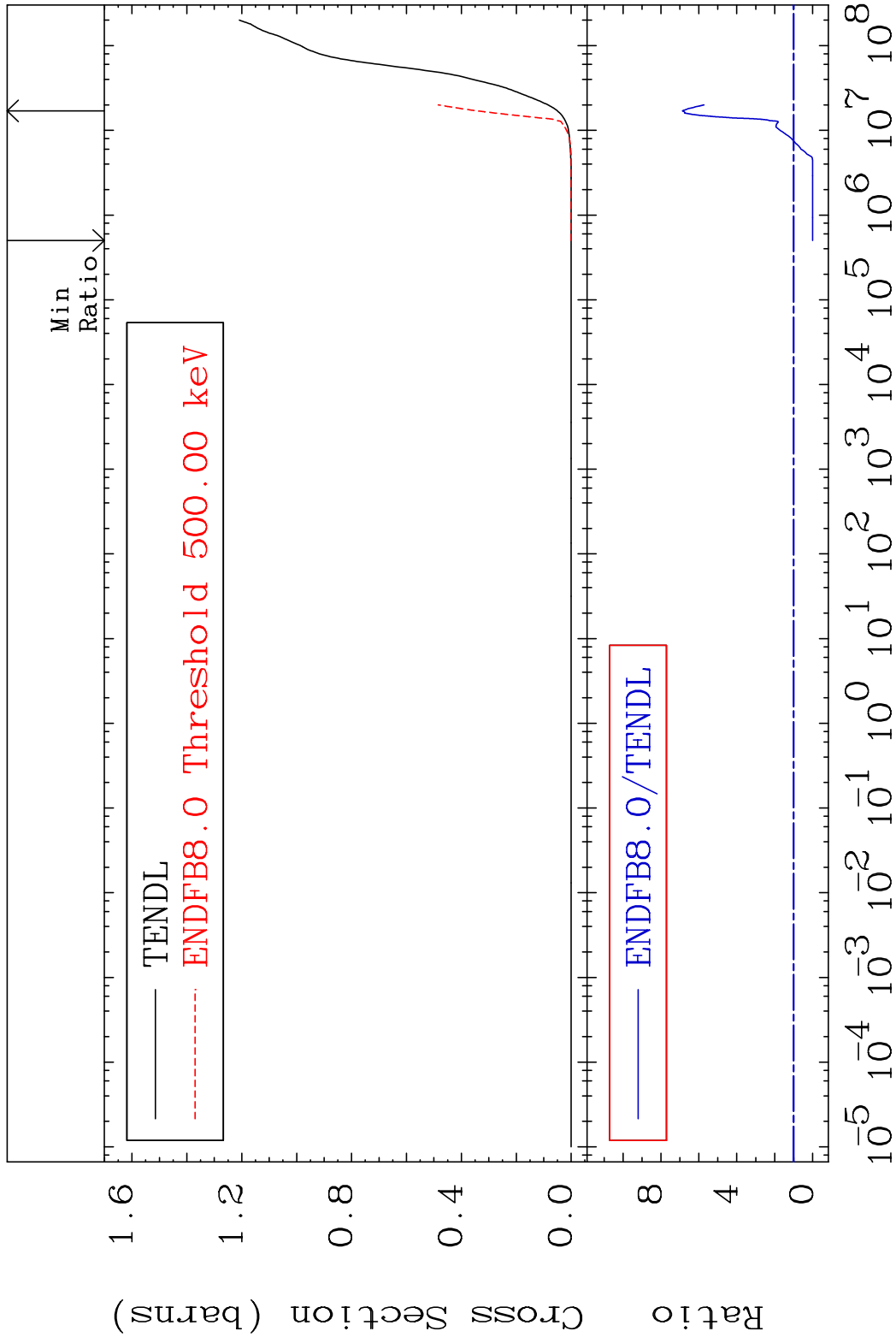


MAT 5025

Hydrogen Production

50-Sn-112

Cross Section -100.0 To 587.3 %



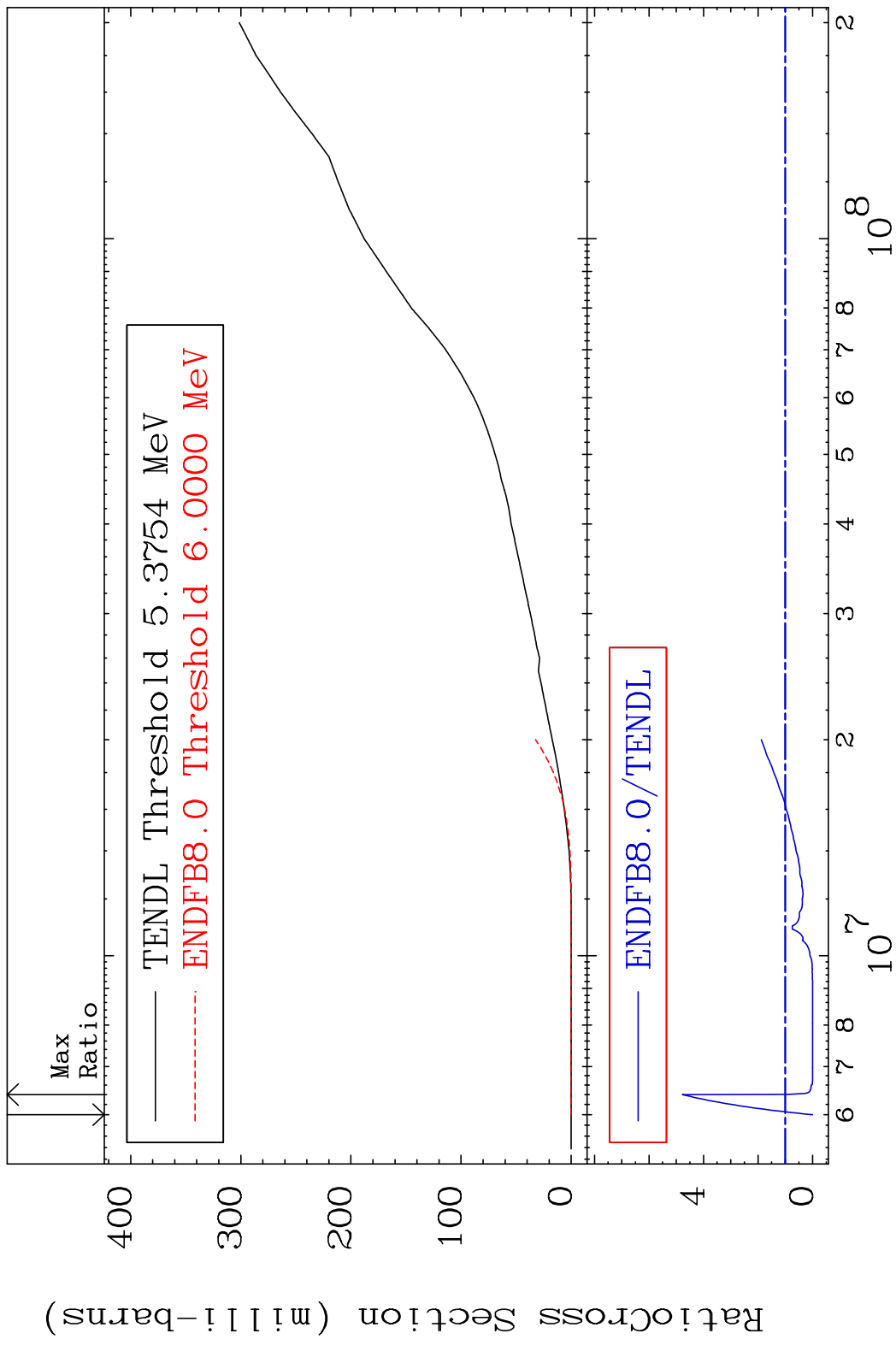
39

Incident Energy (eV)

50-Sn-112



MAT 5025 Deuterium Production 50-Sn-112  
 Cross Section -100.0 To 377.7 %



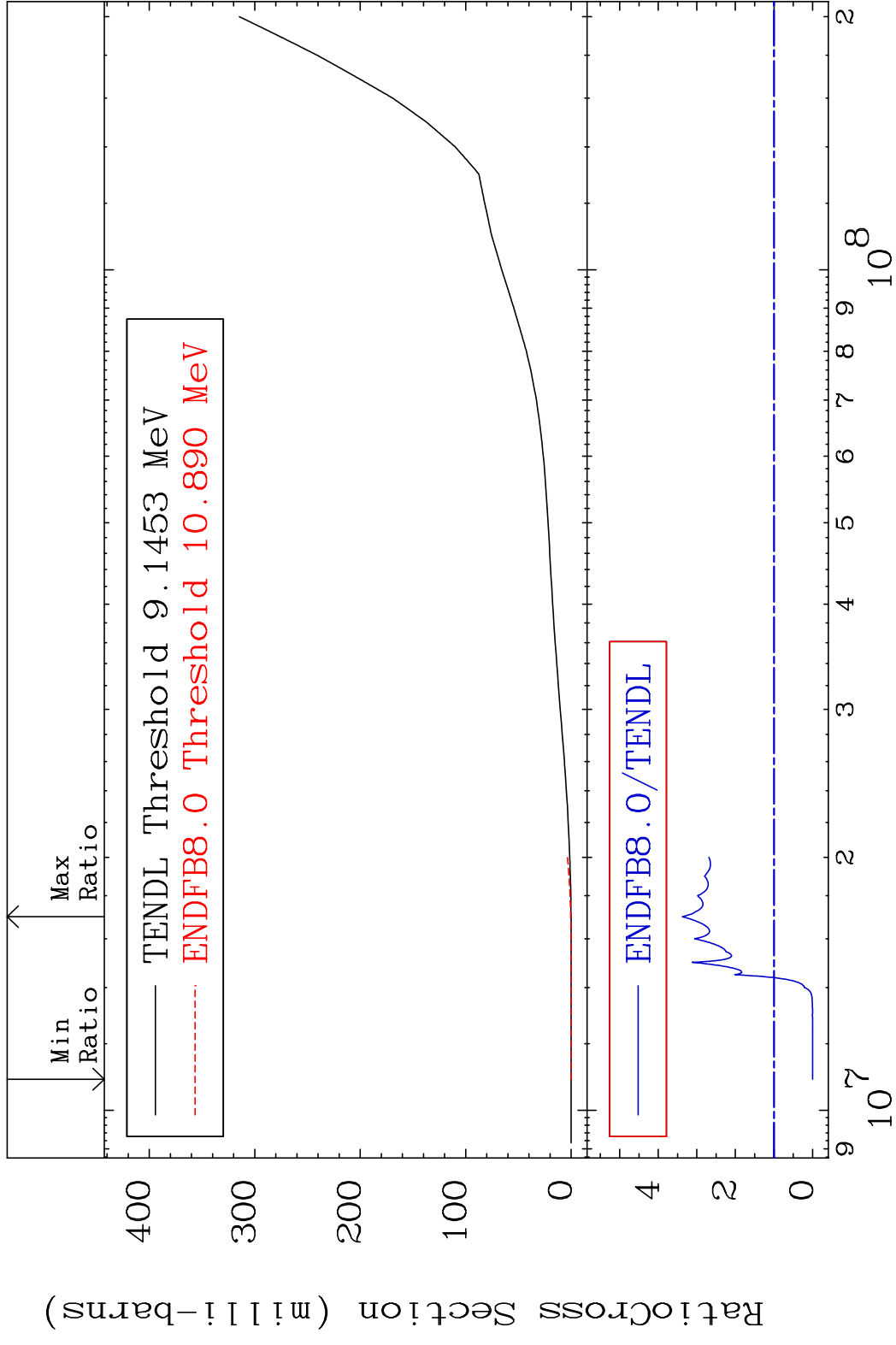
40 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 50-Sn-112

MAT 5025

Tritium Production

50-Sn-112

Cross Section -100.0 To 237.5 %



41

Incident Energy (eV)

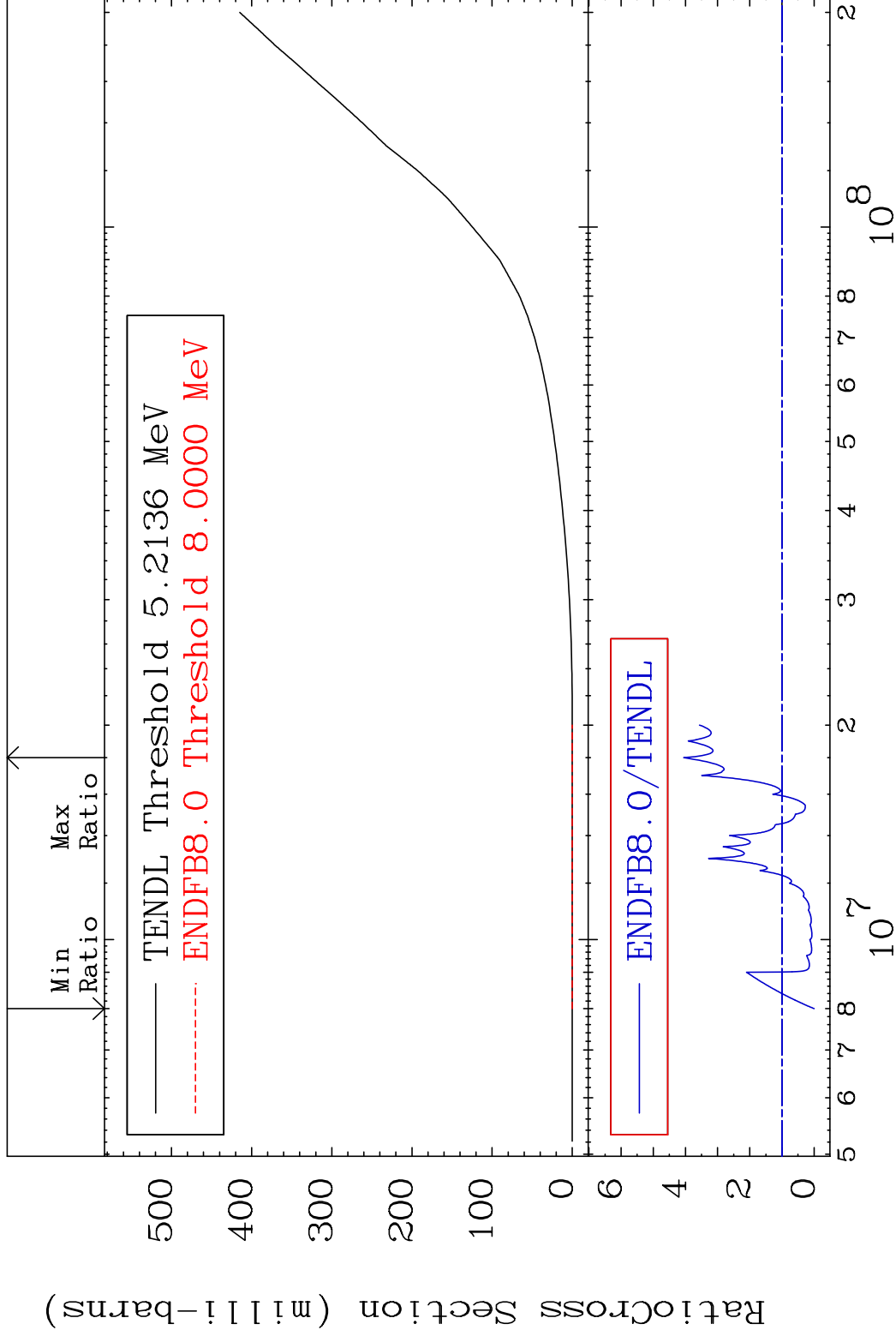
50-Sn-112

MAT 5025

He-3 Production

50-Sn-112

Cross Section -100.0 To 305.5 %



42

Incident Energy (eV)

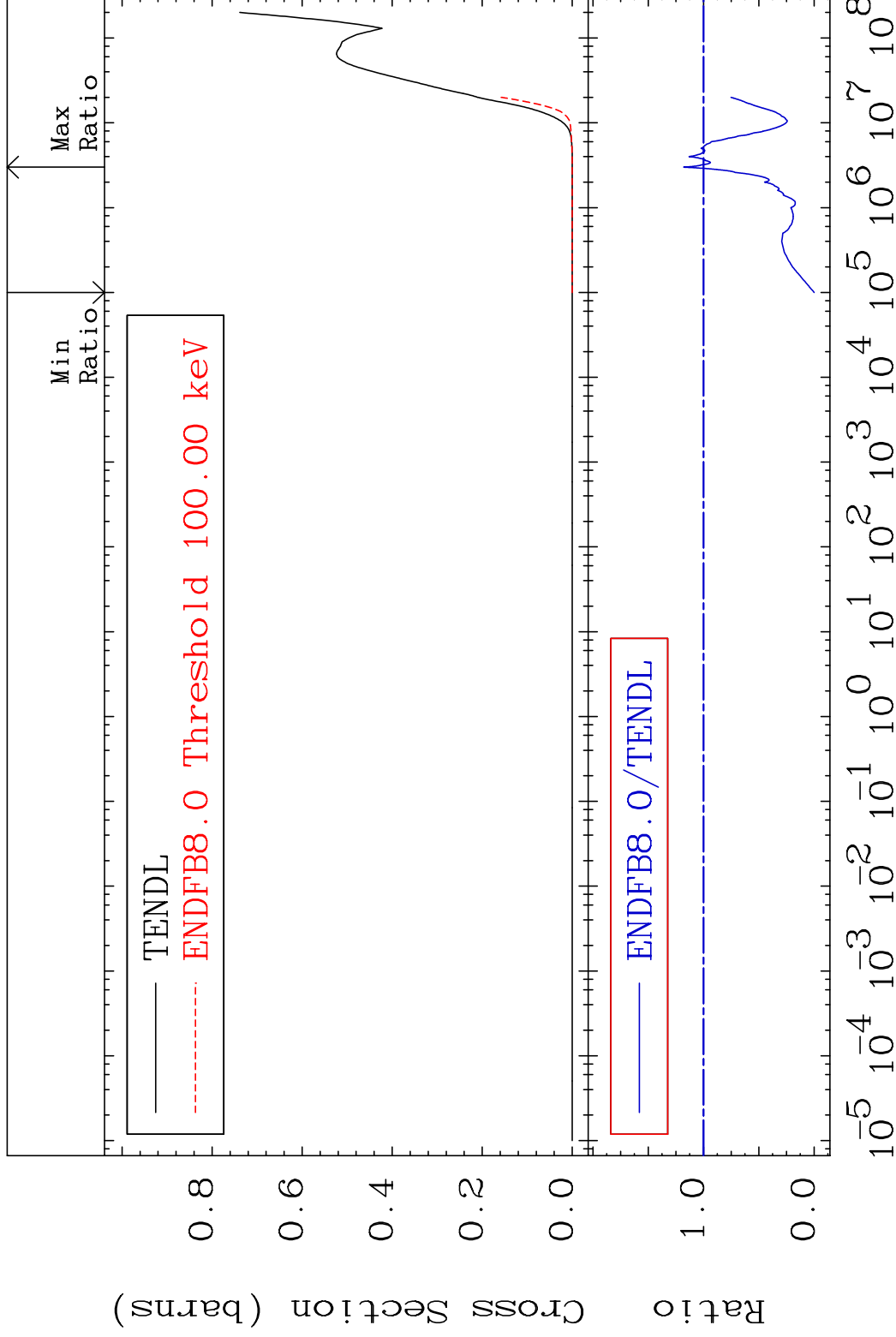
50-Sn-112

MAT 5025

He-4 Production

50-Sn-112

Cross Section -100.0 To 17.95 %

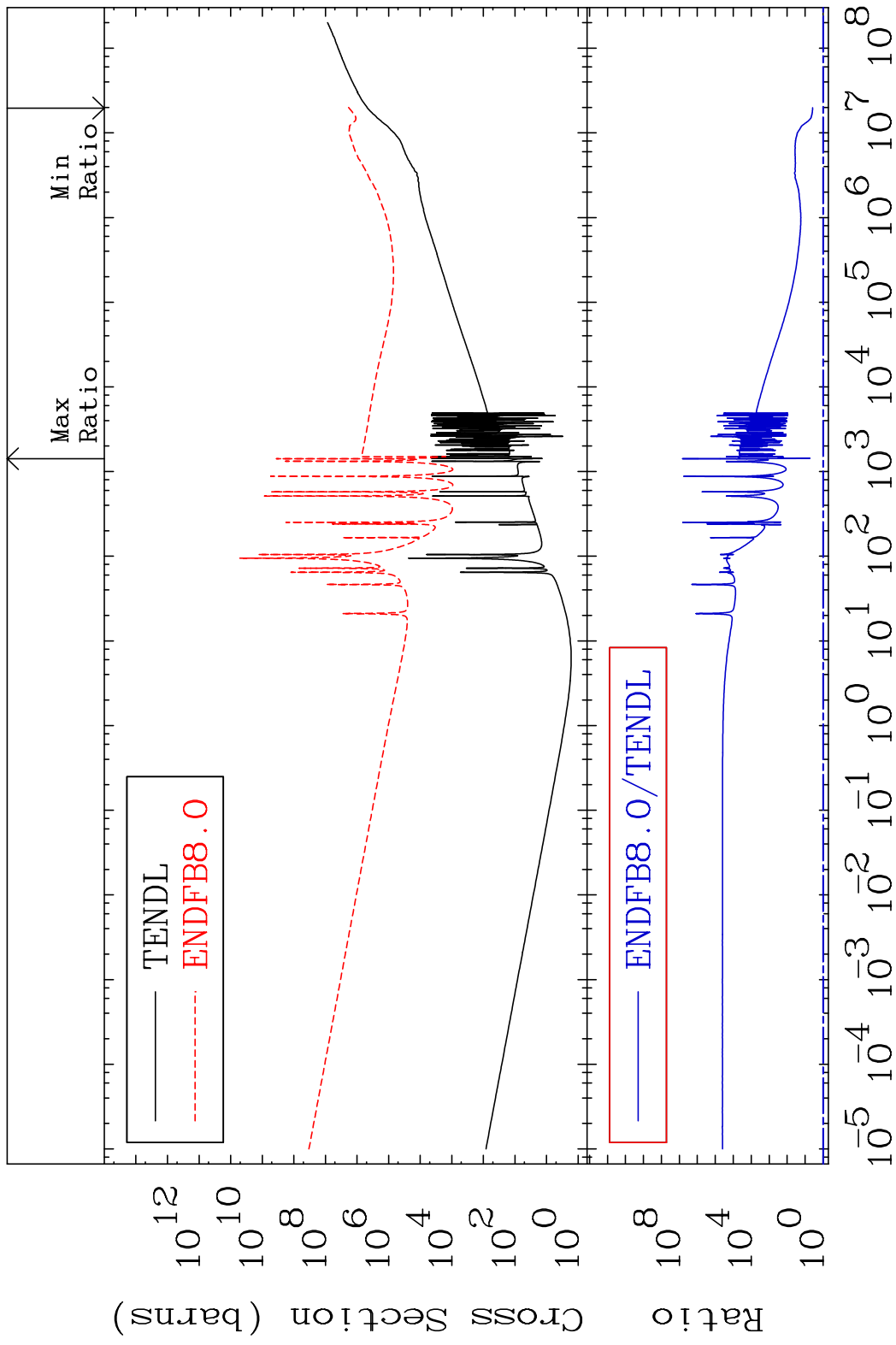


43

Incident Energy (eV)

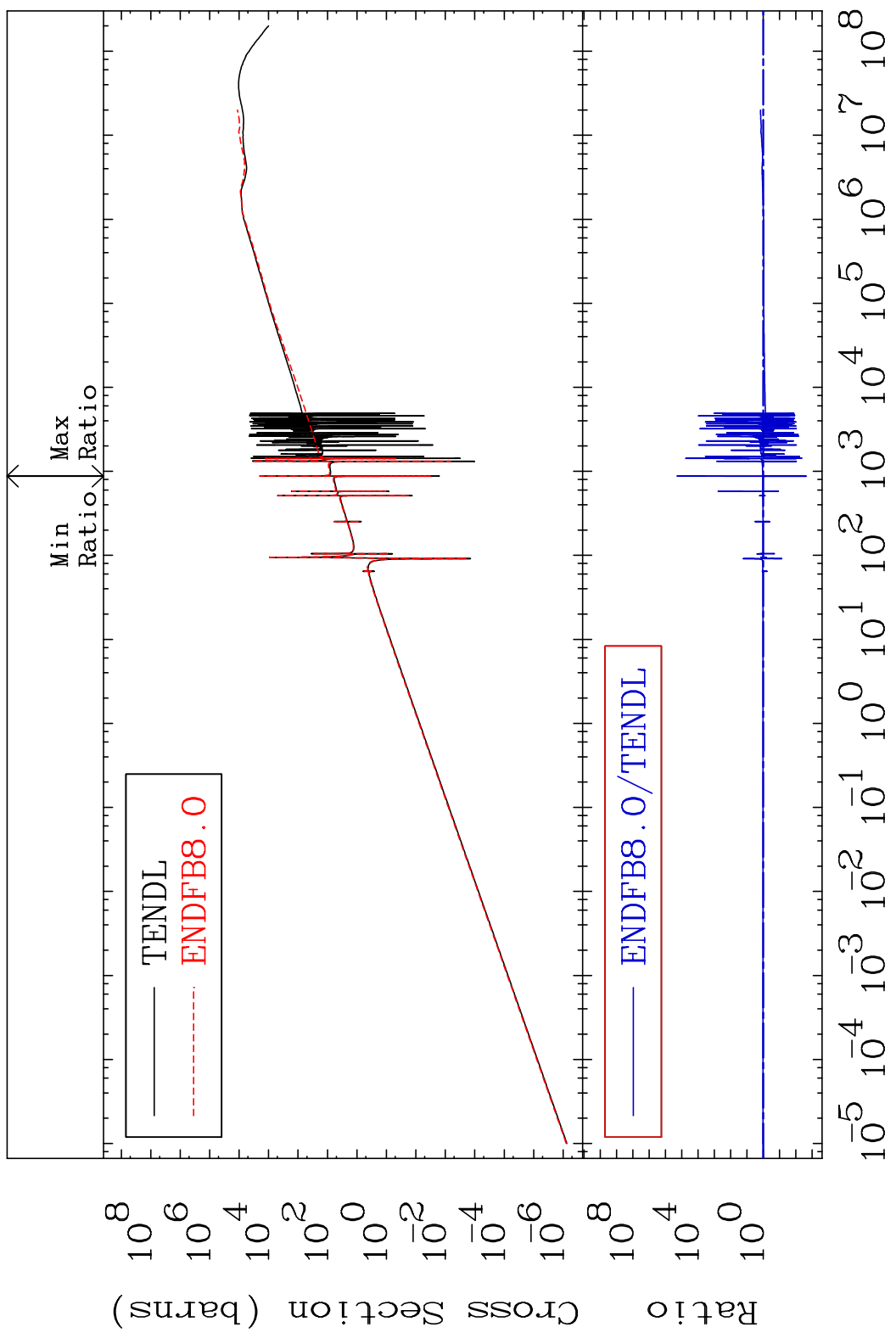
50-Sn-112

MAT 5025 Kerma total (eV-barns) 50-Sn-112  
 Cross Section 285.5 To 9999. %

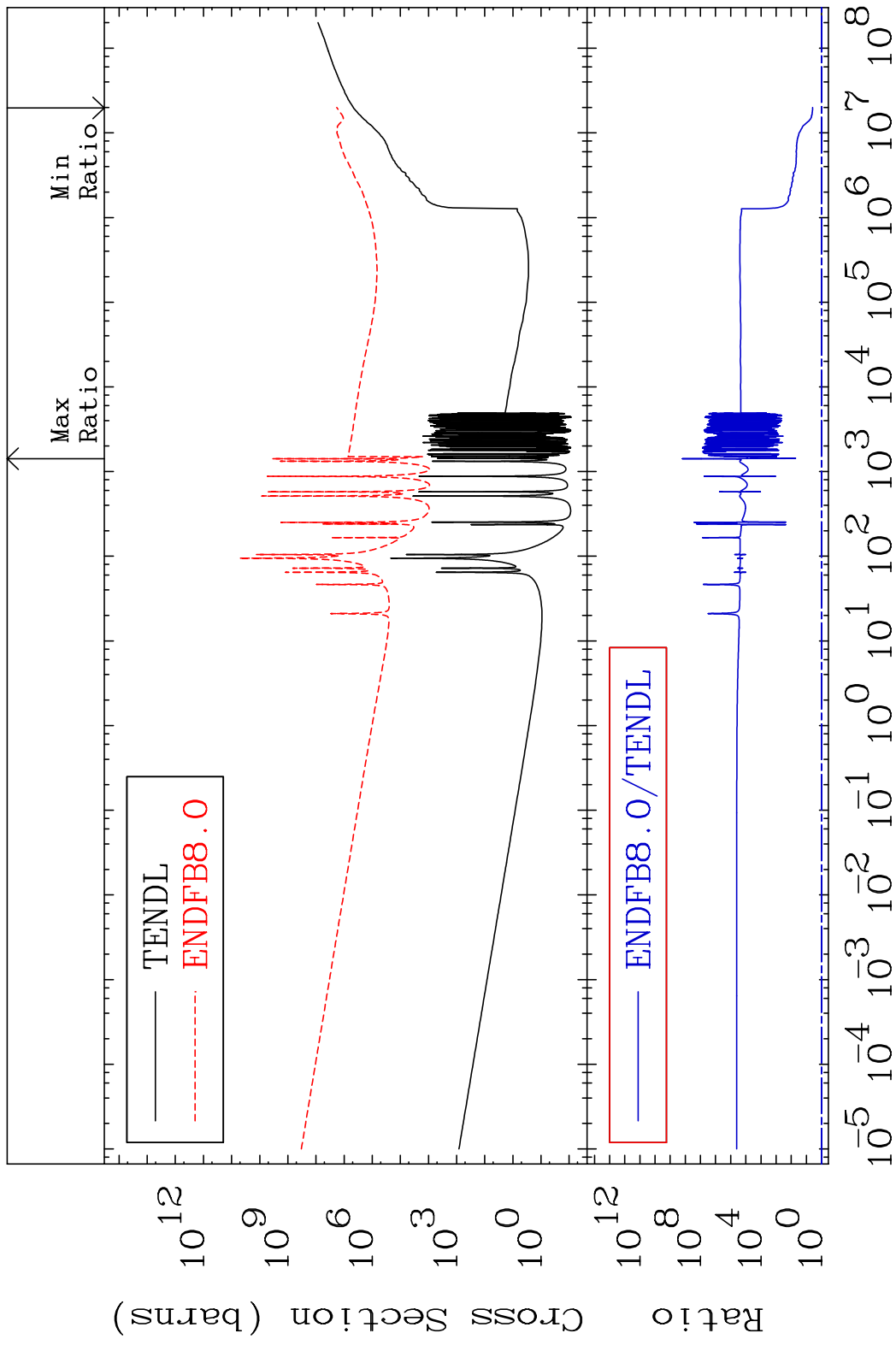


MAT 5025

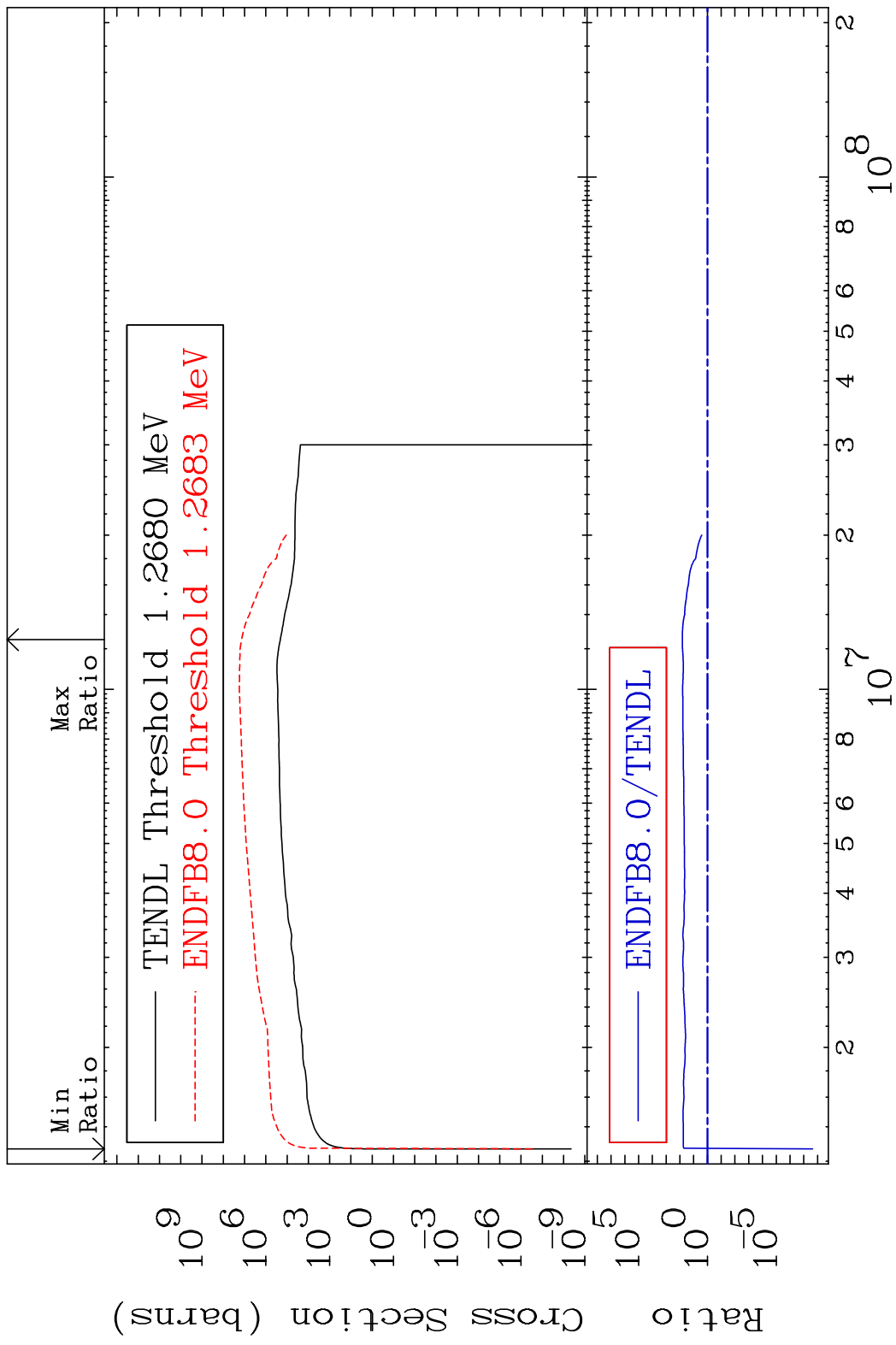
Kerma elastic Cross Section -99.78 To 9999. %  
50-Sn-112



MAT 5025 Kerma non-elastic (all but mt2) 50-Sn-112  
 Cross Section 289.5 To 9999. %

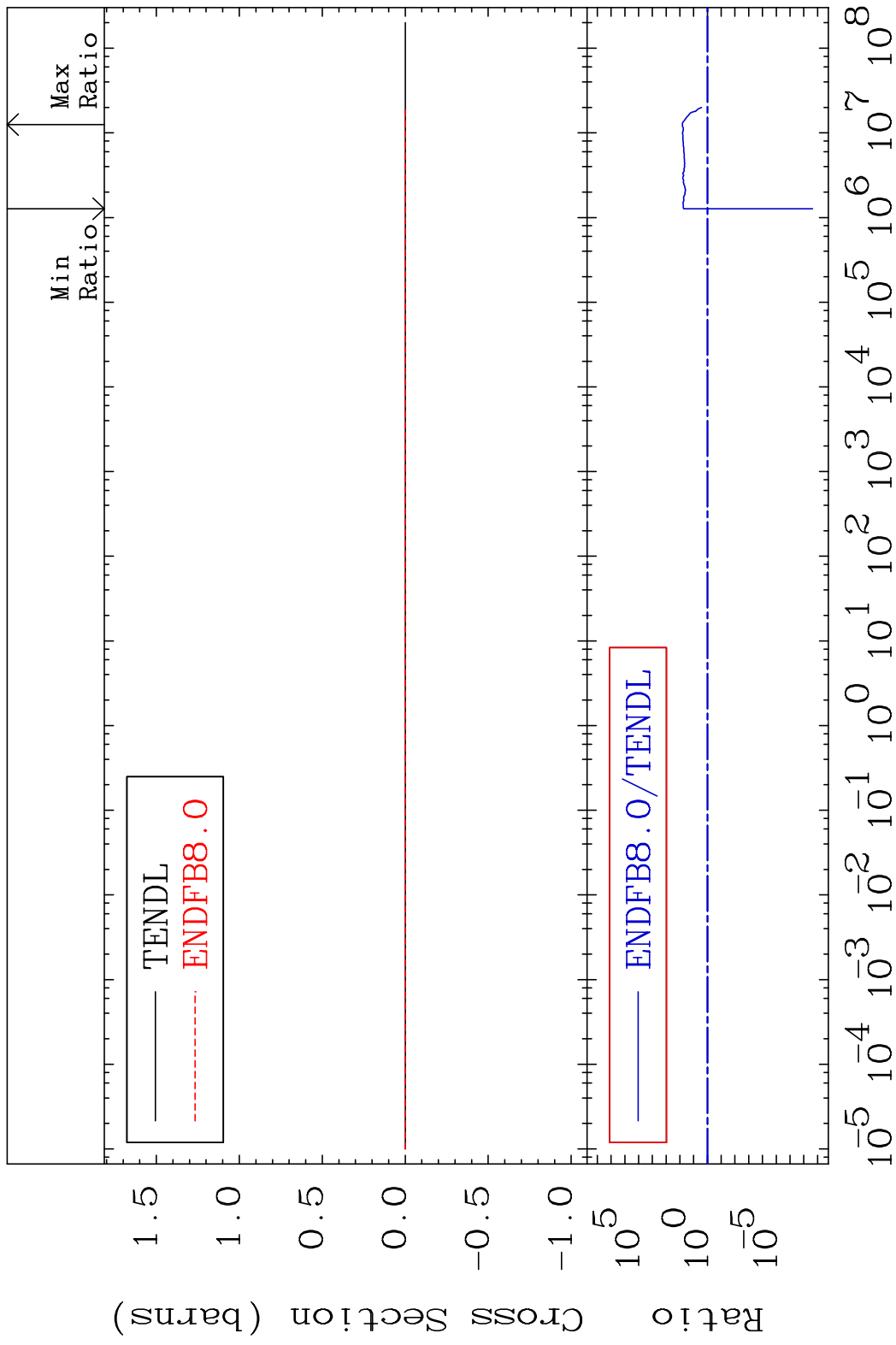


MAT 5025 Kerma inelastic (mt51-91) 50-Sn-112  
 Cross Section -100.0 To 6510. %



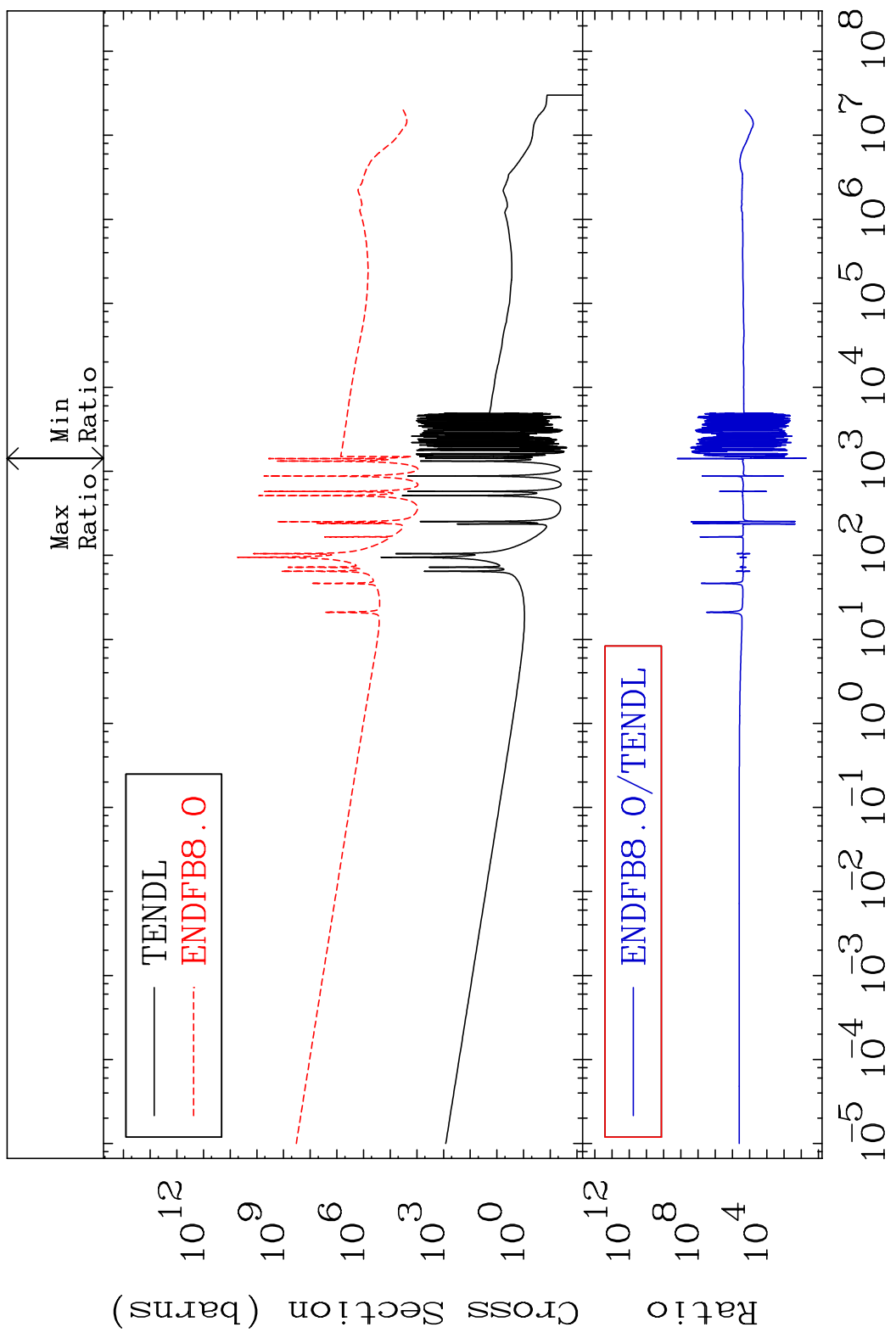


MAT 5025 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-112  
 Cross Section -100.0 To 6510. %



MAT 5025

Kerma capture (mt102) 50-Sn-112  
Cross Section 4900. To 9999. %

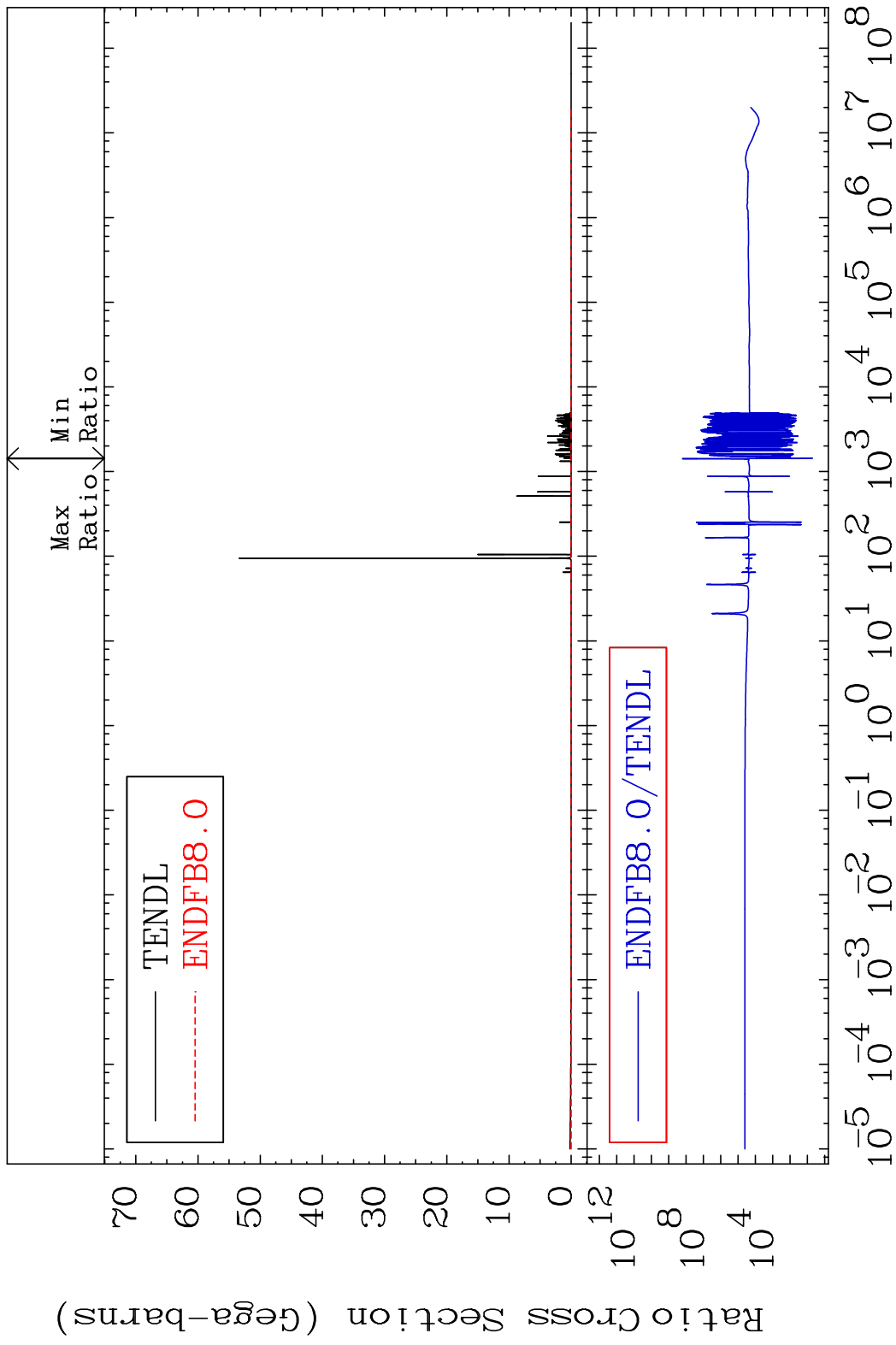


49

Incident Energy (eV)

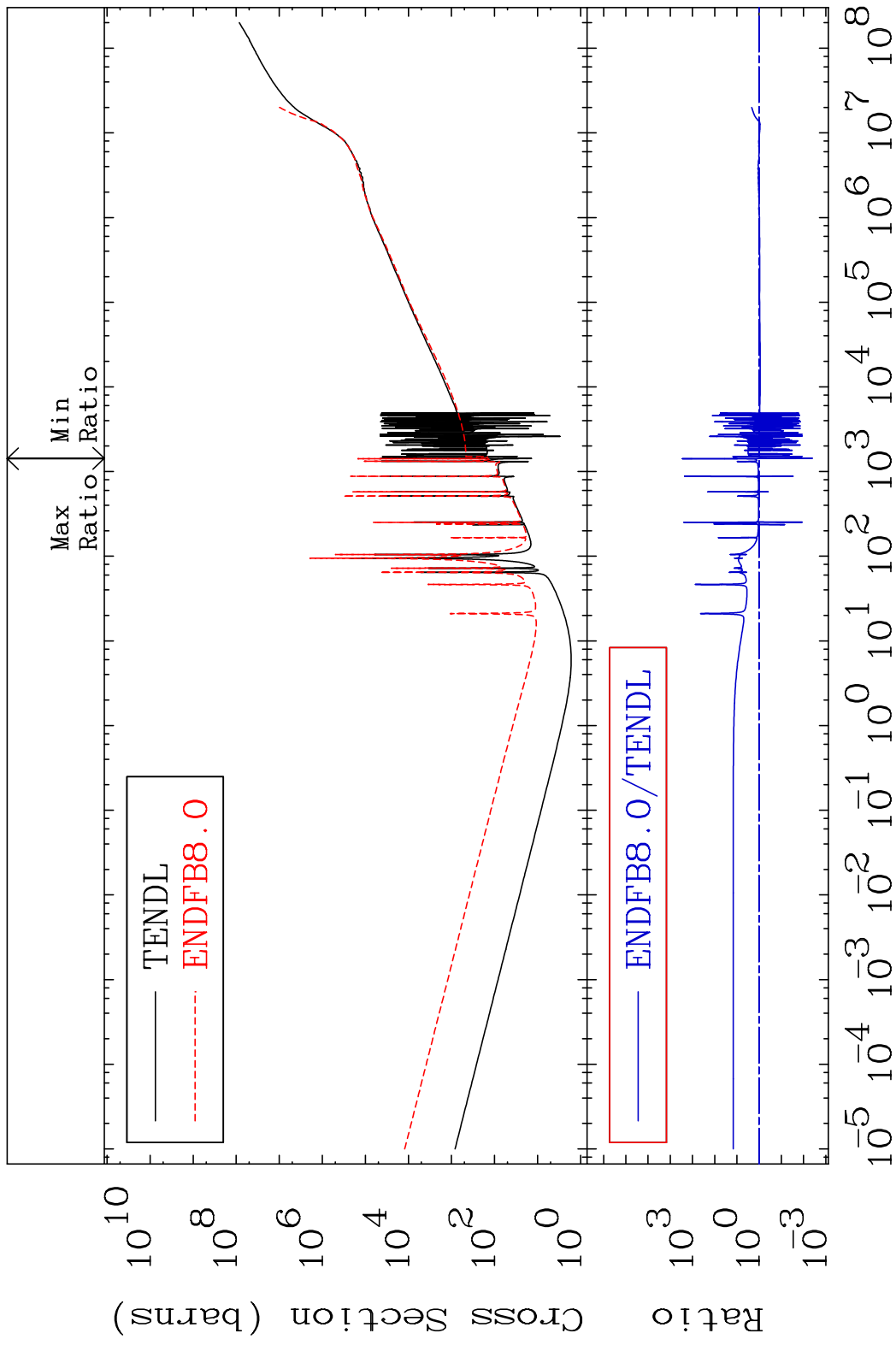
50-Sn-112

MAT 5025 Total photon (eV-barns) 50-Sn-112  
 Cross Section 4900. To 9999. %

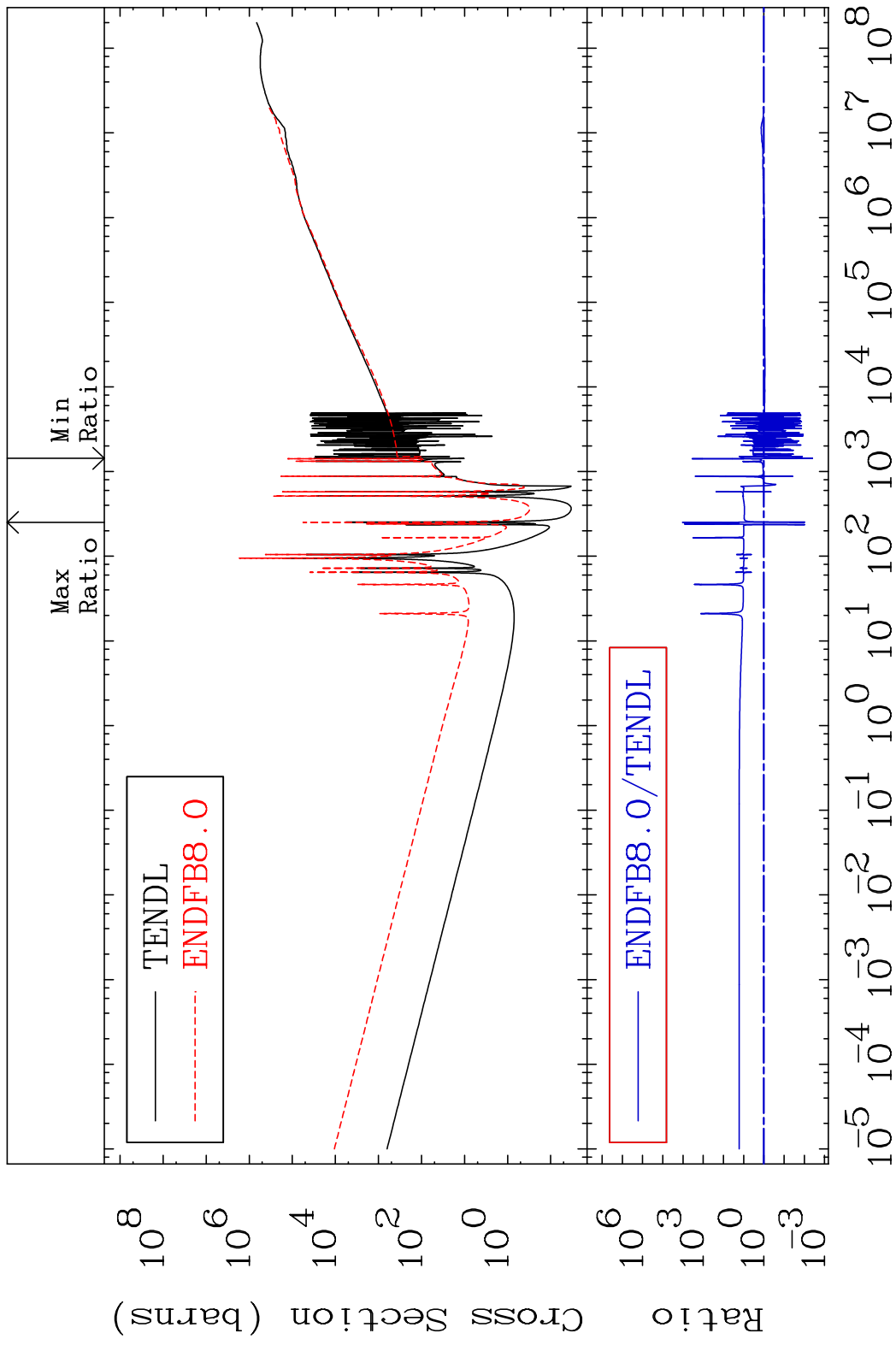


50 Incident Energy (eV) 50-Sn-112

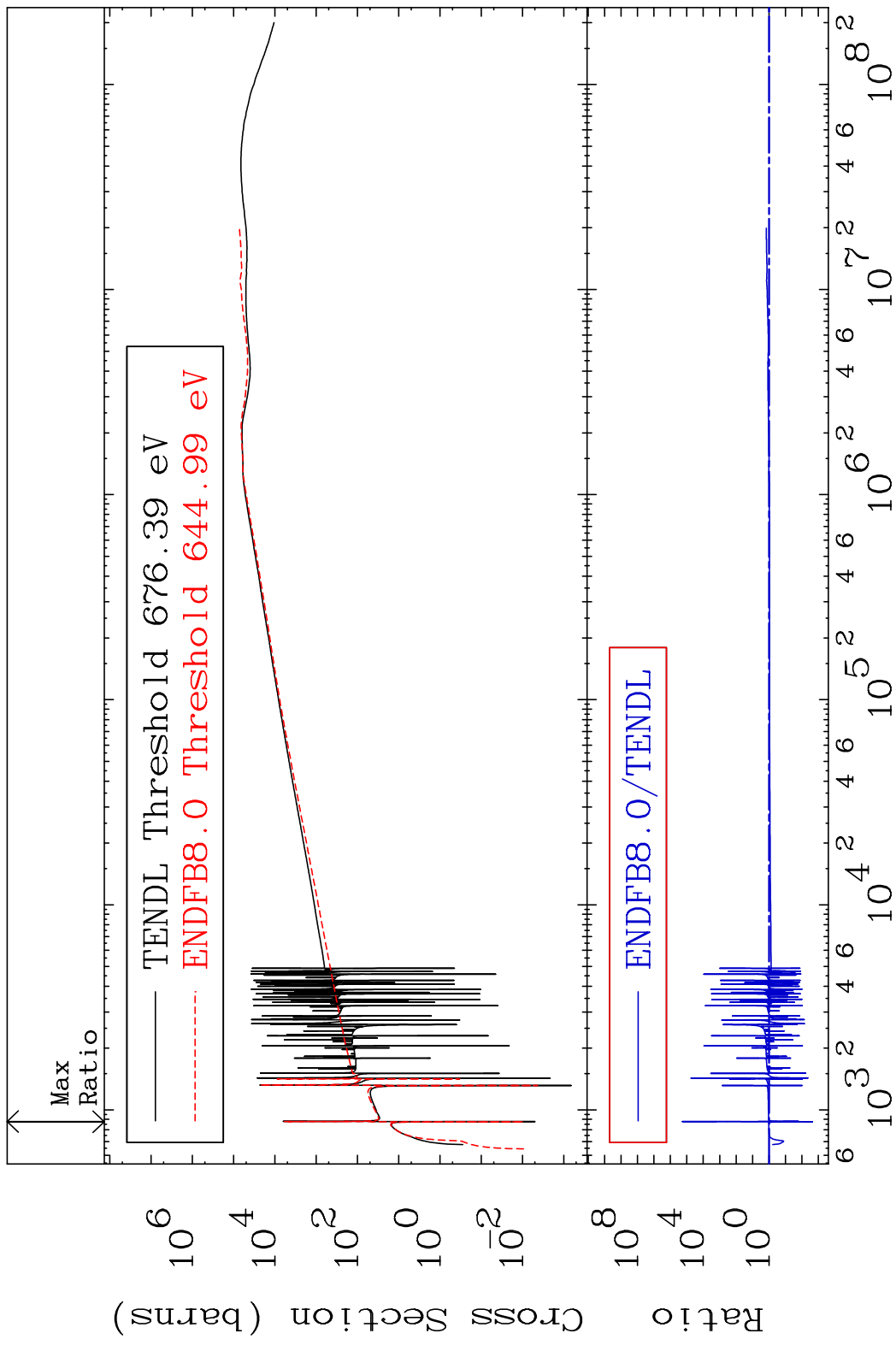
MAT 5025 Total kinematic kerma (high limit) 50-Sn-112  
Cross Section -99.61 To 9999. %



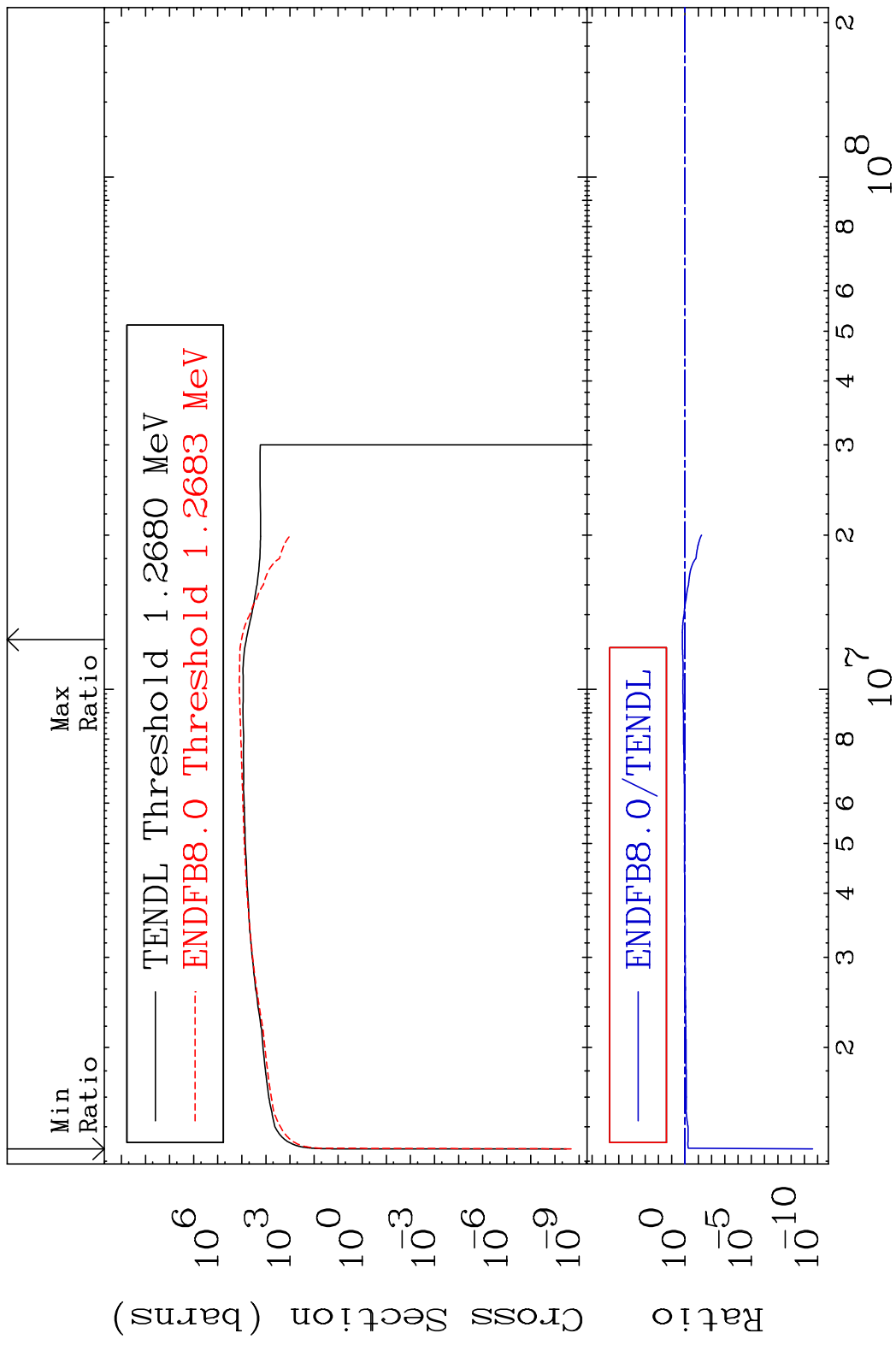
MAT 5025 Dpa total (eV-barns) 50-Sn-112  
 Cross Section -99.61 To 9999. %



MAT 5025      Dpa elastic (mt2)      50-Sn-112  
 Cross Section      -99.78 To 9999. %



MAT 5025 Dpa inelastic (mt51-91) 50-Sn-112  
 Cross Section -100.0 To 58.38 %



MAT 5025 Dpa disappearance (mt102 -120) 50-Sn-112  
 Cross Section -99.78 To 9999. %

