

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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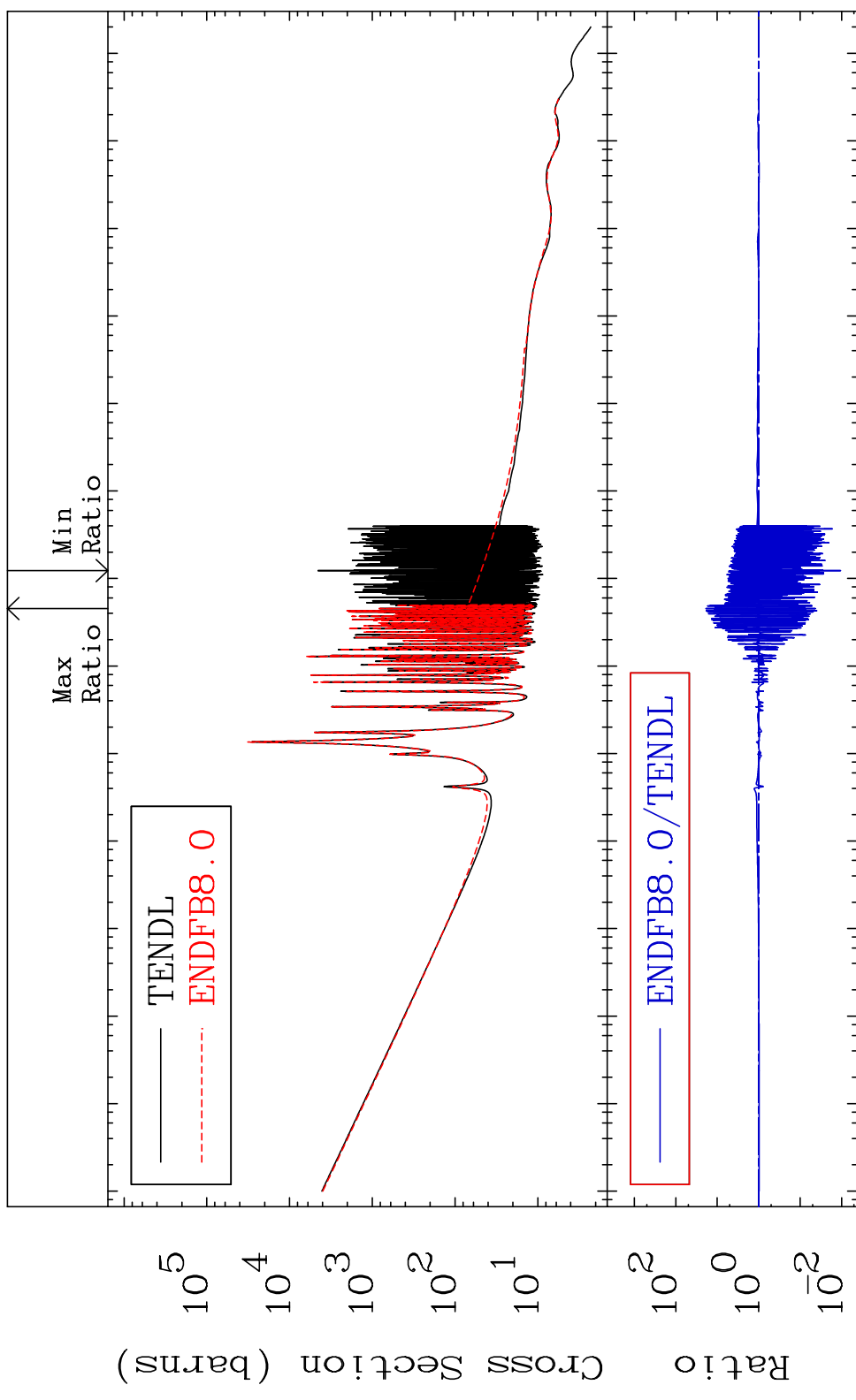
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E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9549

Total Cross Section -98.94 To 1789. %  
95-Am-243



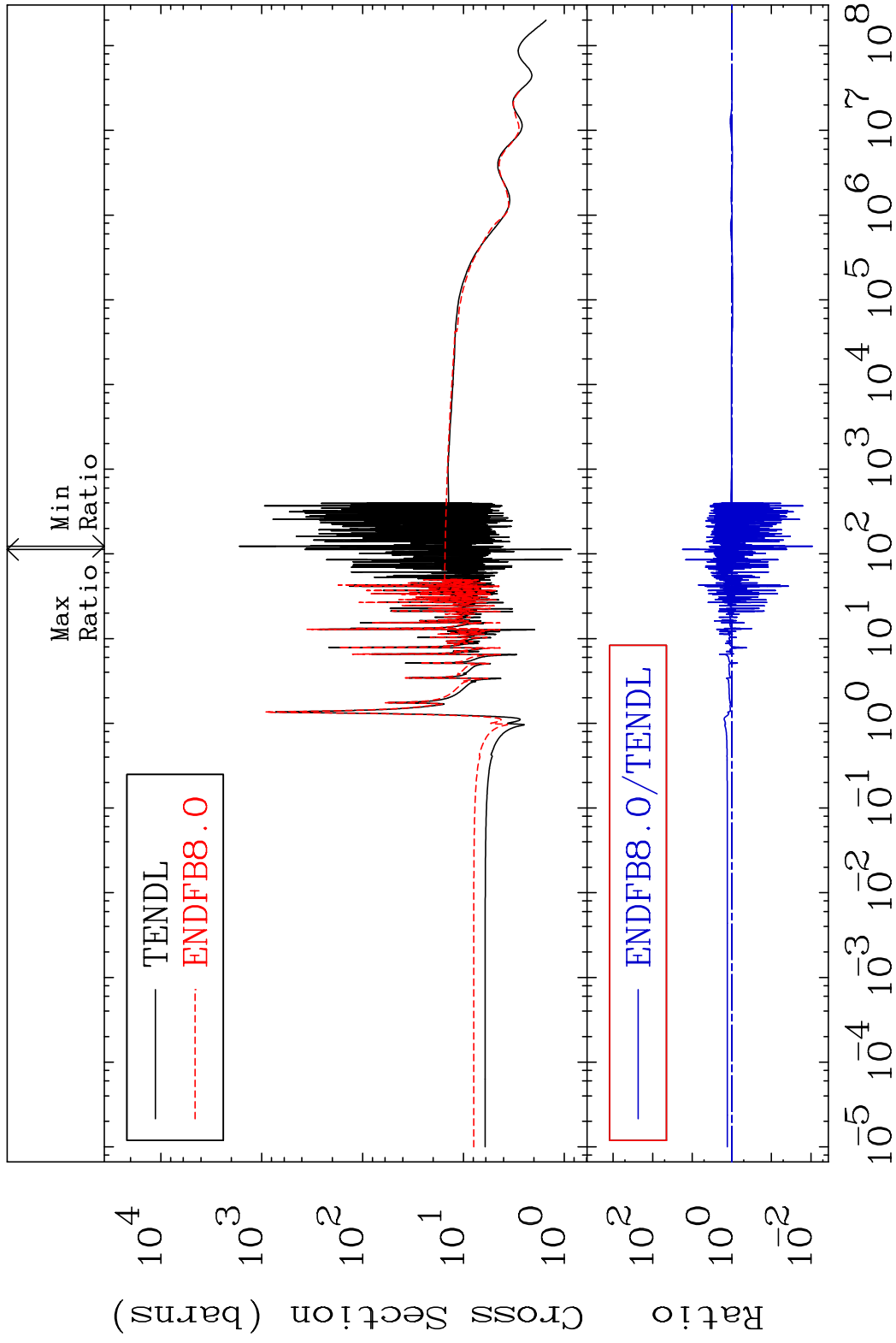
1 Incident Energy (eV) 95-Am-243

MAT 9549

Elastic

95-Am-243

Cross Section -99.09 To 1677. %

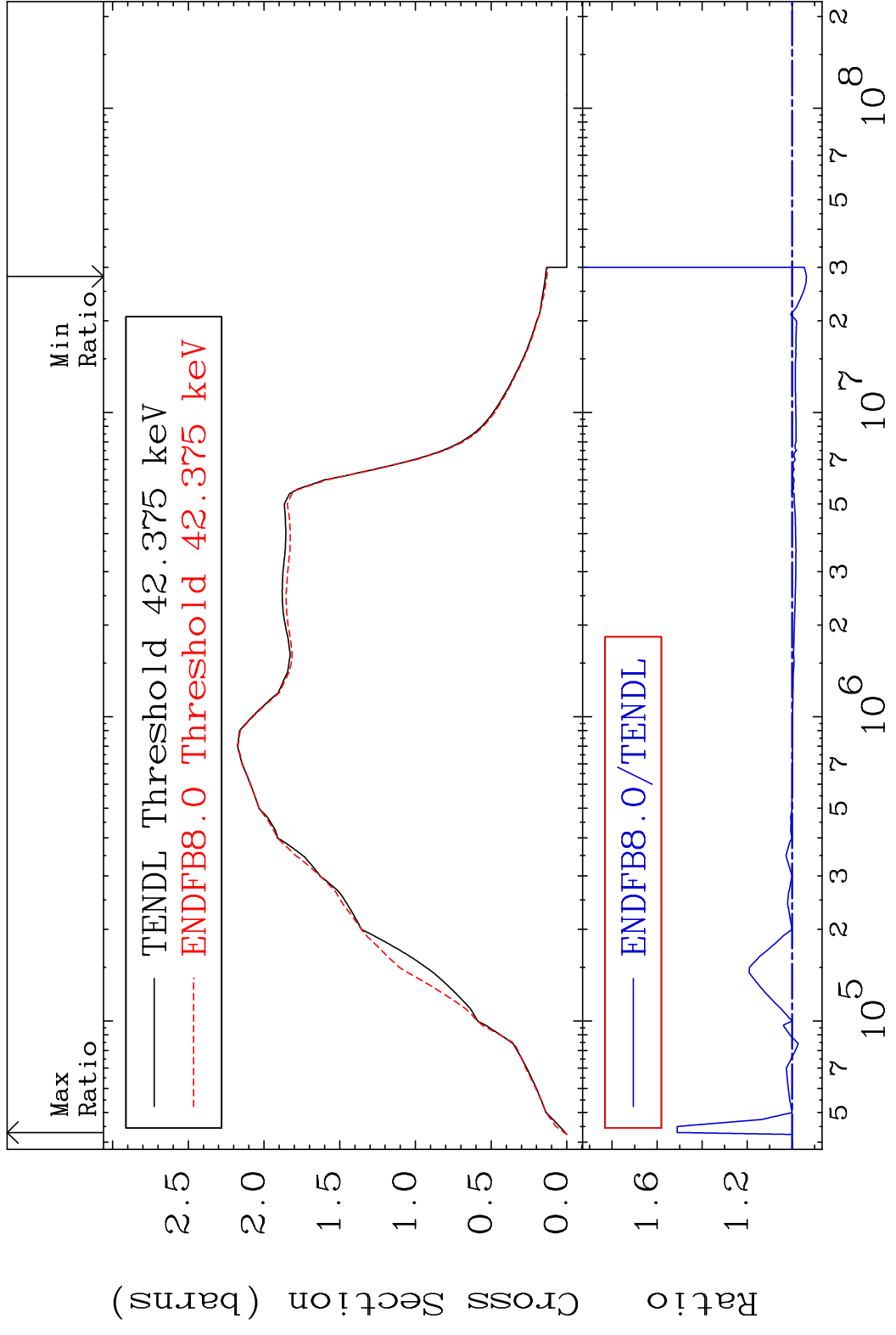


2

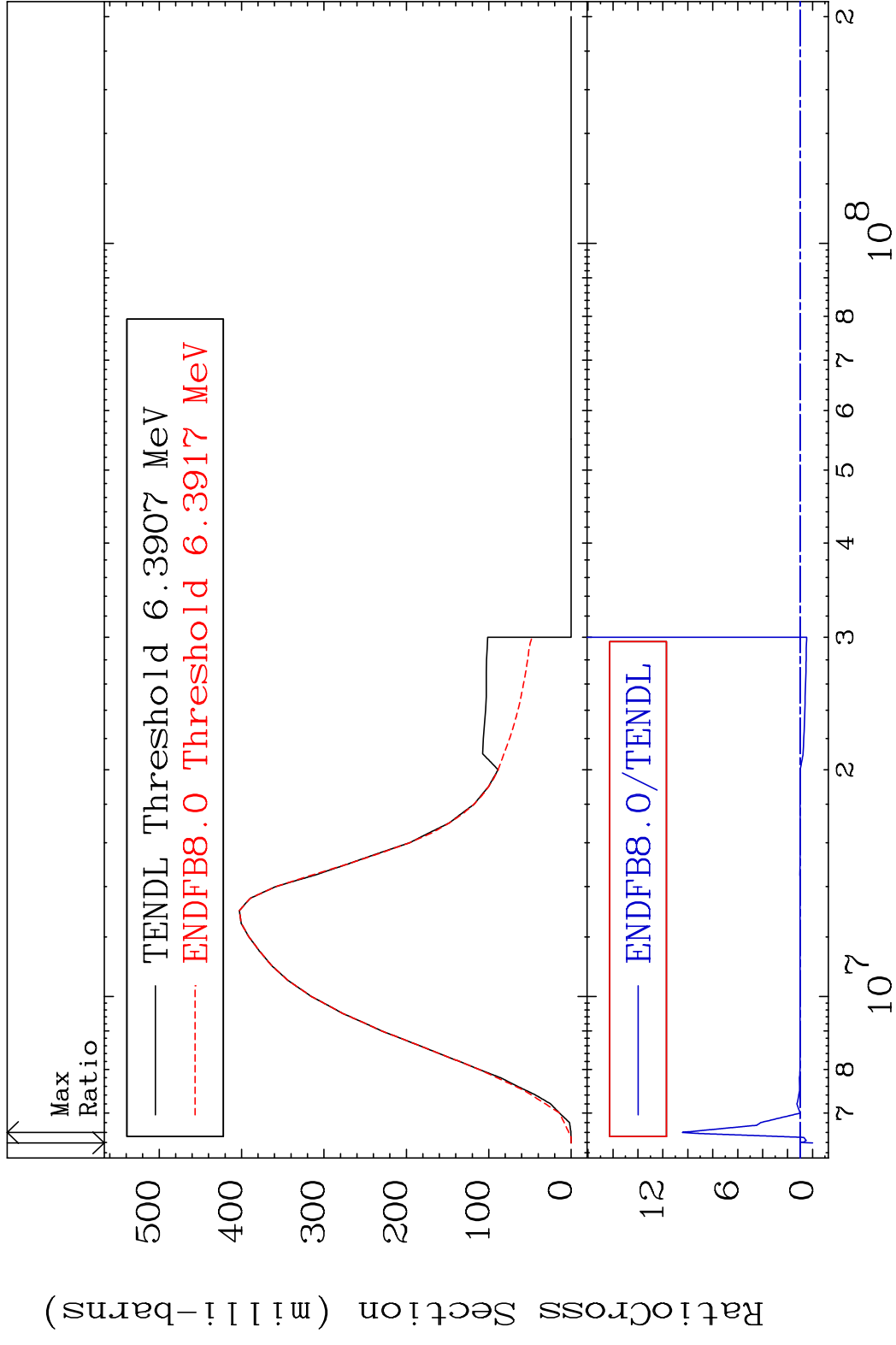
Incident Energy (eV)

95-Am-243

MAT 9549 Inelastic 95-Am-243  
 Cross Section -6.366 To 51.08 %

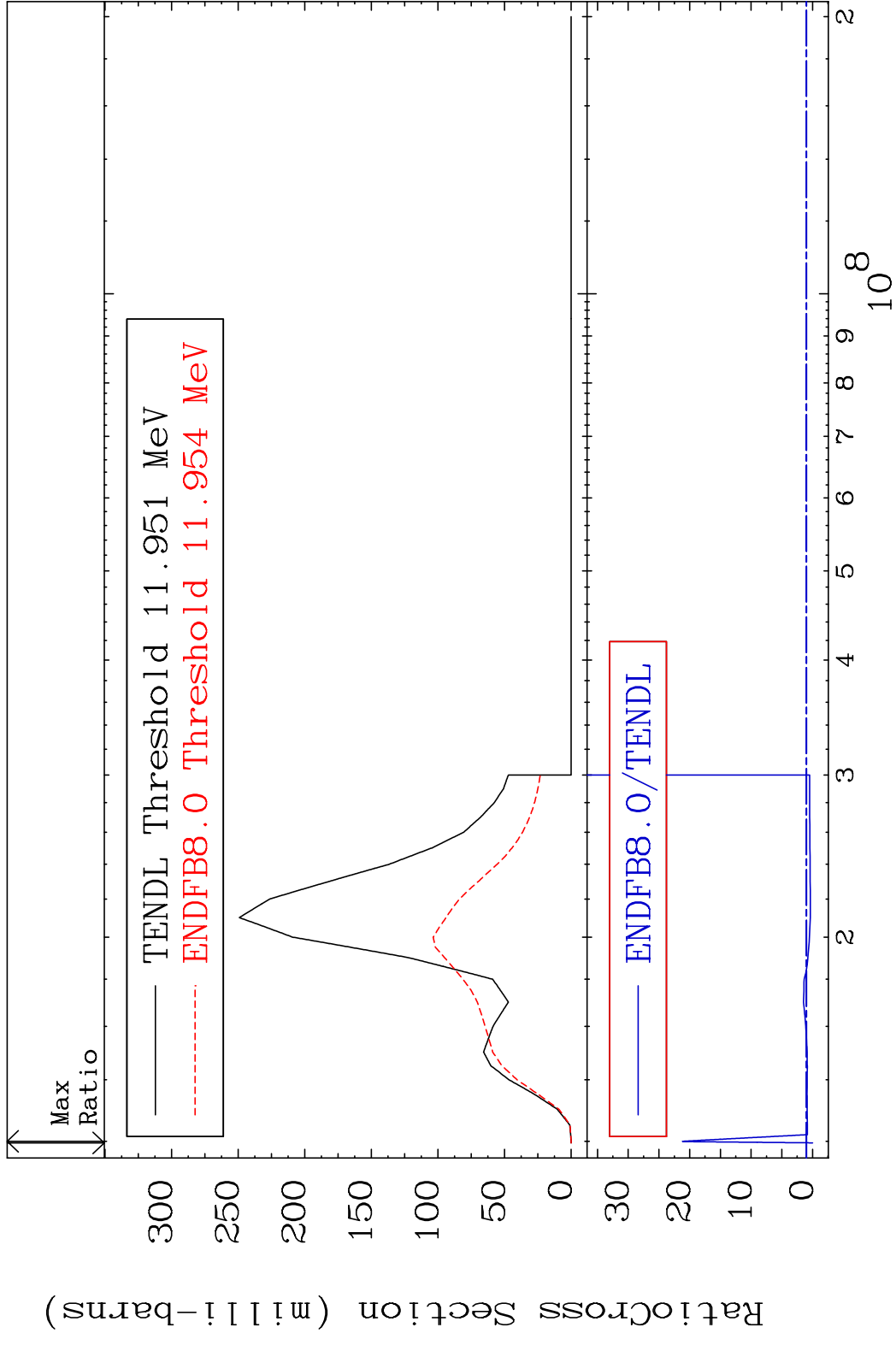


MAT 9549 (n,2n) 95-Am-243  
 Cross Section -100.0 To 943.7 %



4 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 95-Am-243

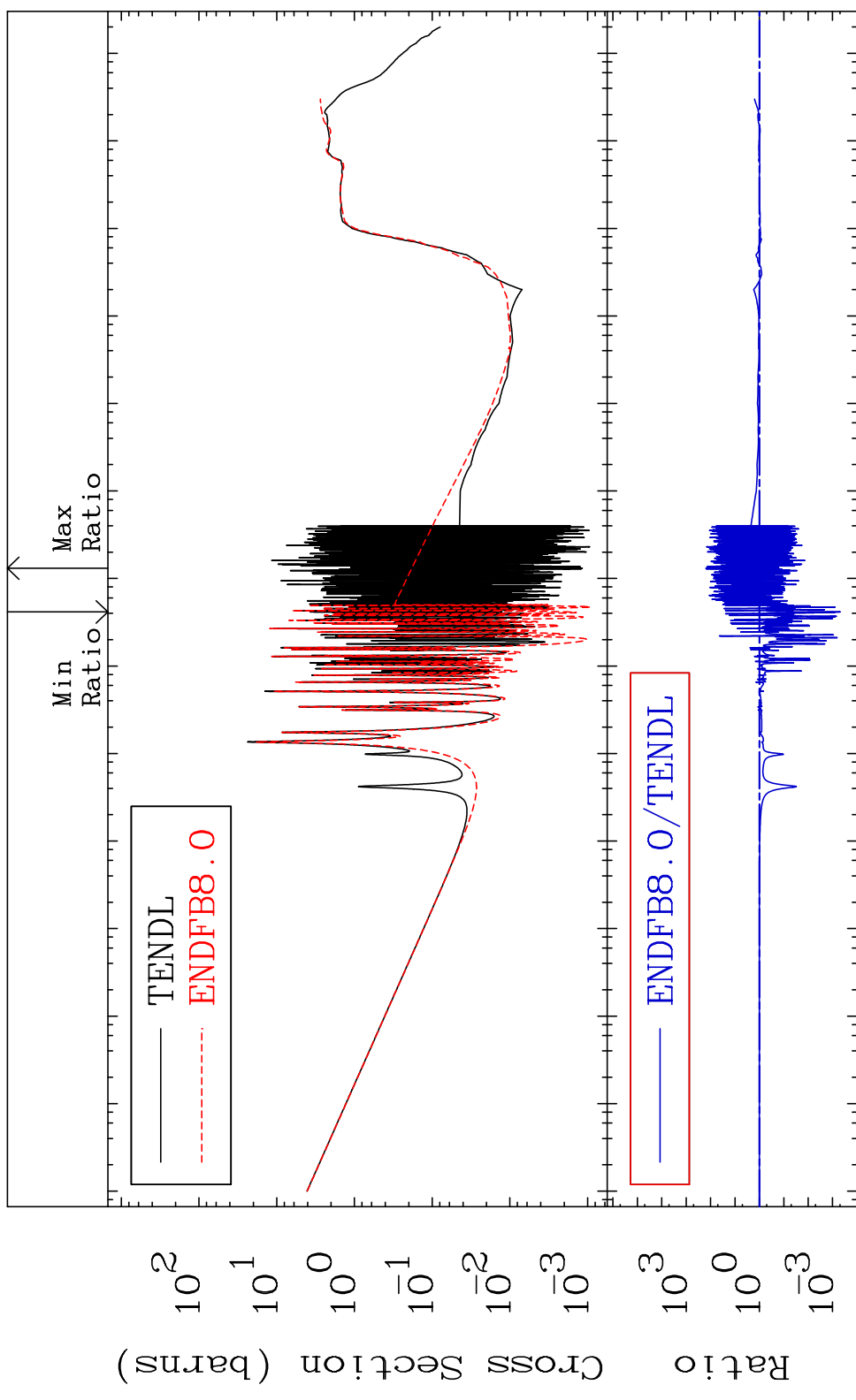
MAT 9549 (n,3n) 95-Am-243  
 Cross Section -100.0 To 2019. %



MAT 9549

Fission  
Cross Section -99.95 To 9999. %

95-Am-243



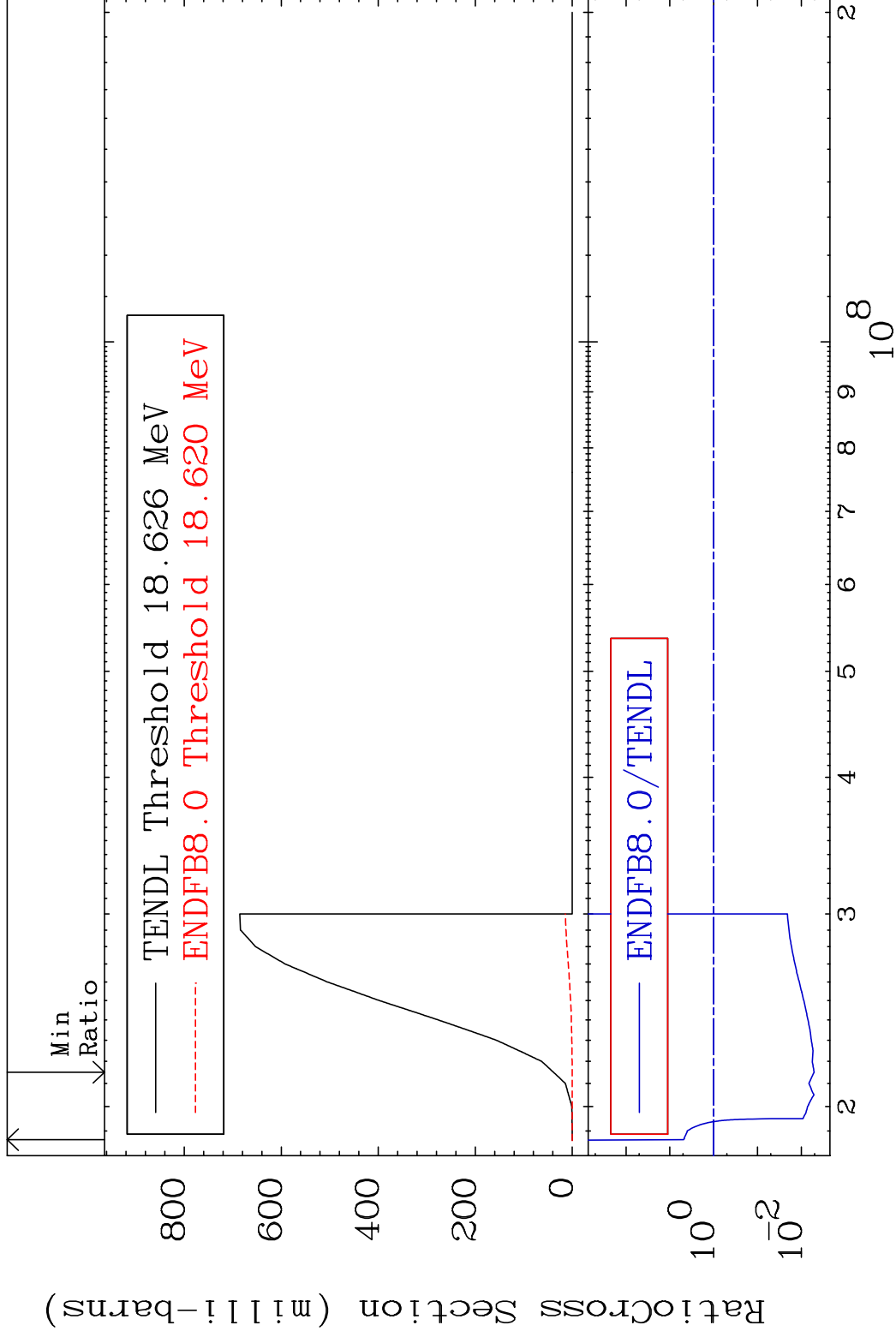
10<sup>2</sup>  
10<sup>1</sup>  
10<sup>0</sup>  
10<sup>-1</sup>  
10<sup>-2</sup>  
10<sup>-3</sup>  
Ratio  
10<sup>3</sup>  
10<sup>0</sup>  
10<sup>-3</sup>  
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>  
Incident Energy (eV)

MAT 9549

(n, 4n)

95-Am-243

Cross Section -99.49 To 383.9 %

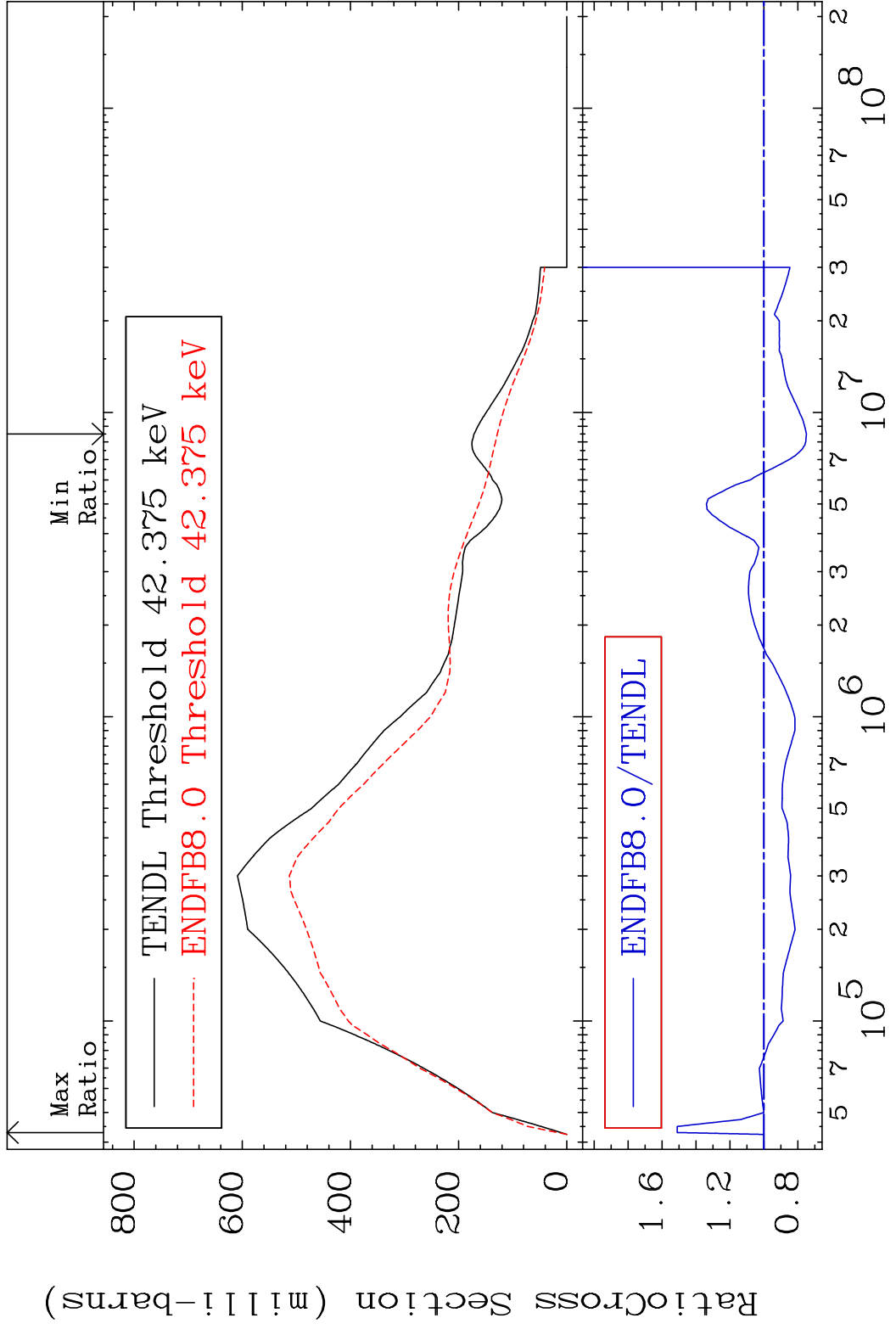


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Incident Energy (eV)

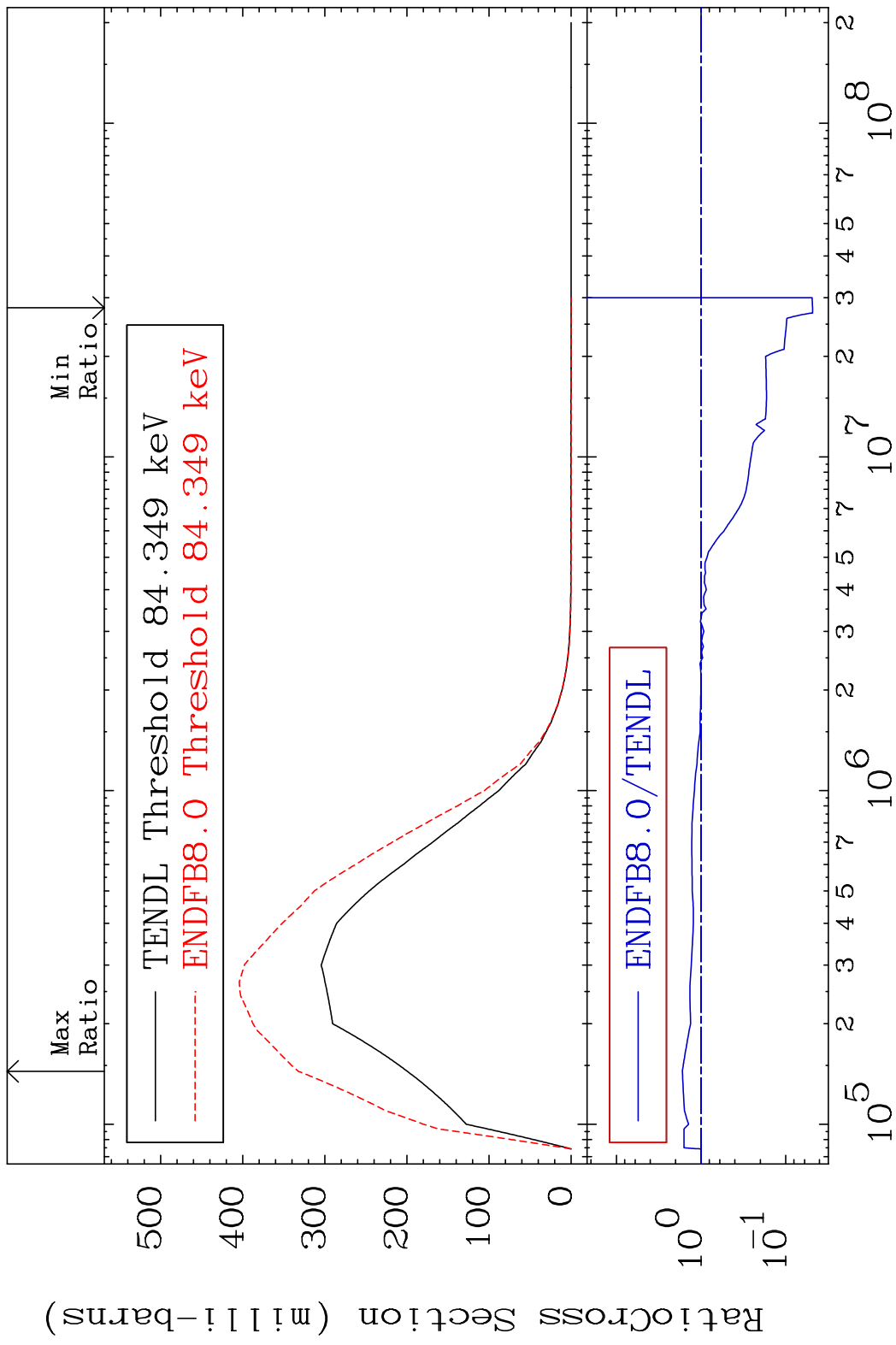
95-Am-243

MAT 9549 MT= 51 (n, n') Level 95-Am-243  
 Cross Section -25.07 To 51.08 %



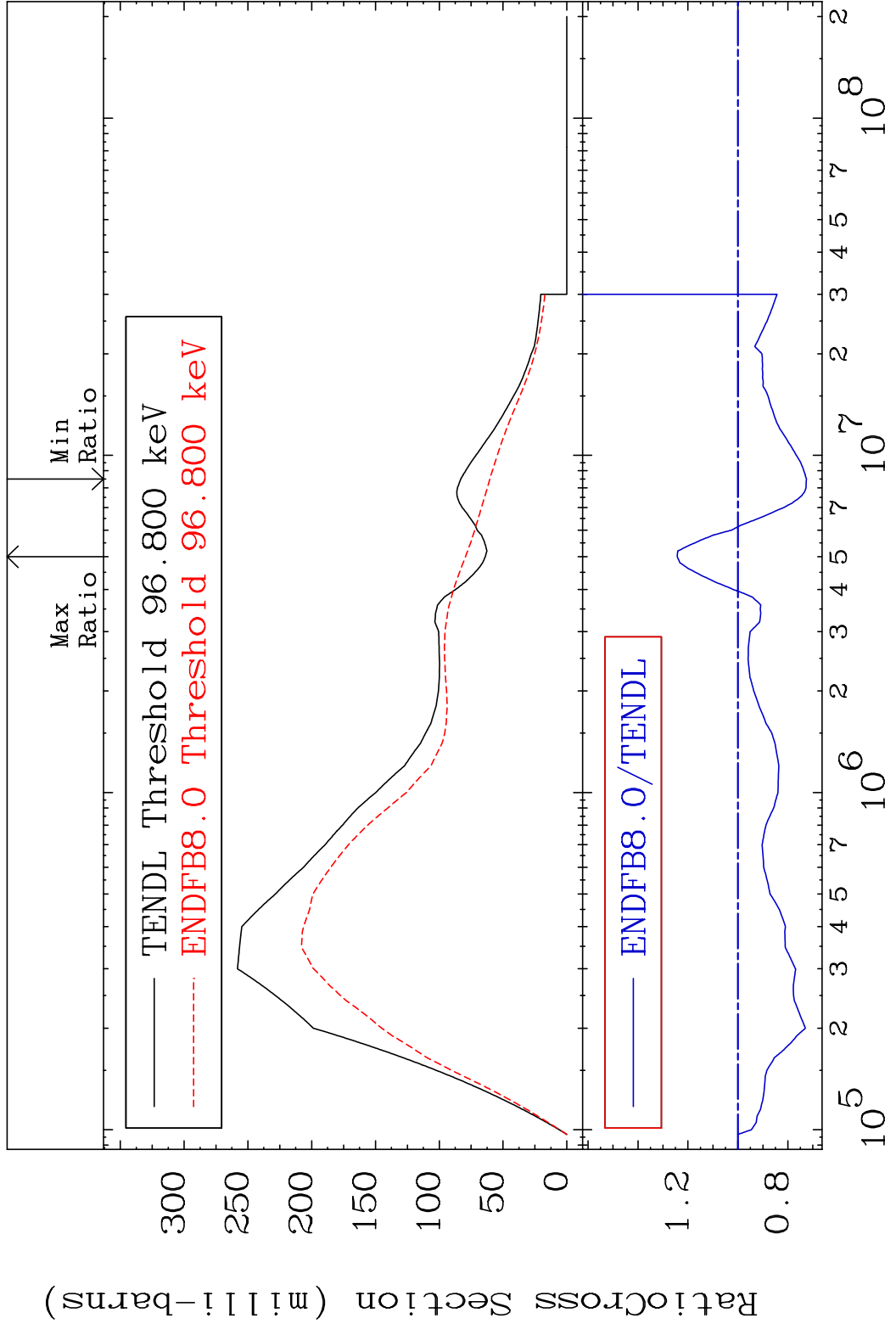
8 95-Am-243

MAT 9549 MT= 52 (n,n') Level 95-Am-243  
 Cross Section -95.17 To 66.53 %

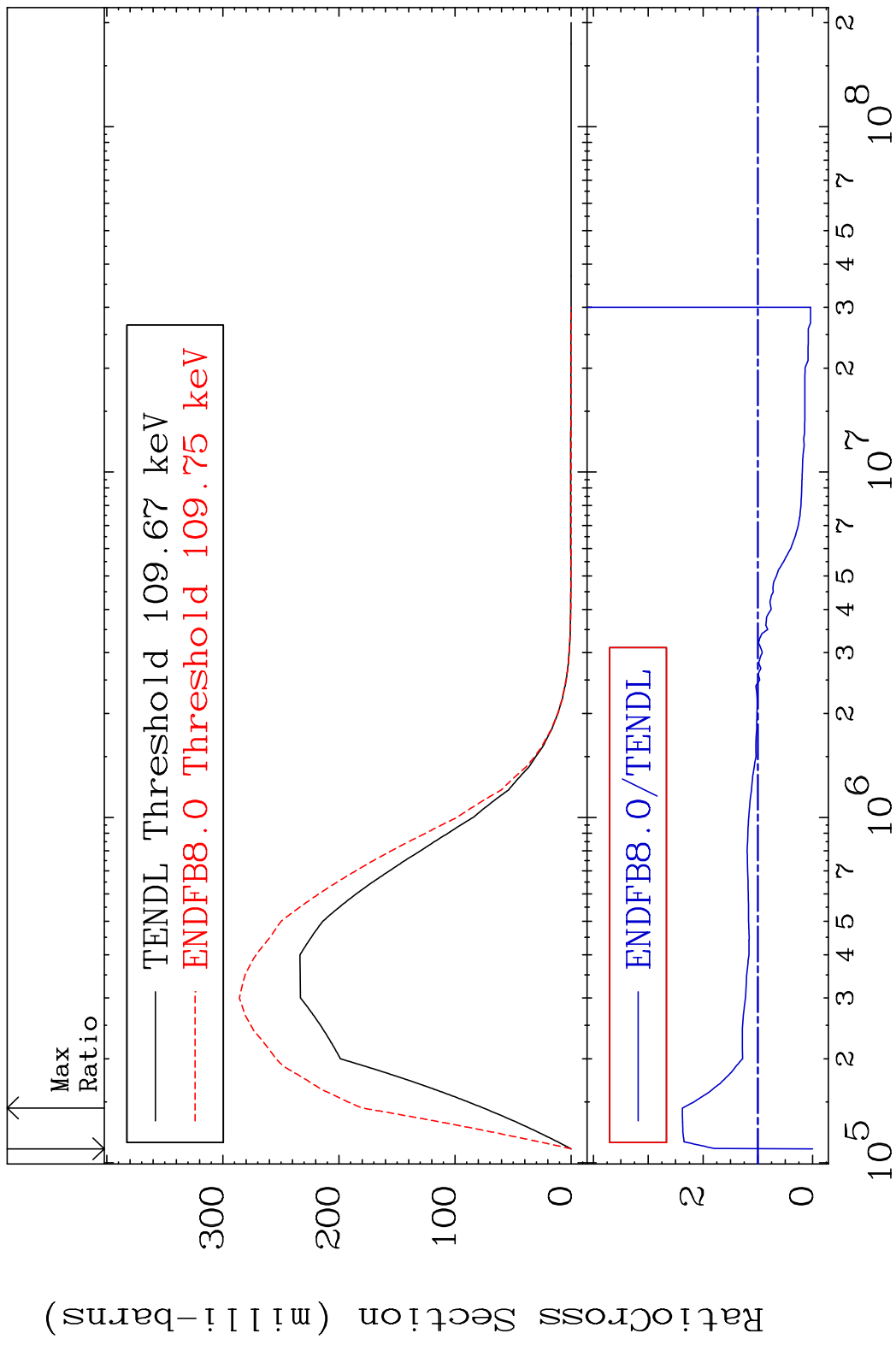


9 Incident Energy (eV) 95-Am-243

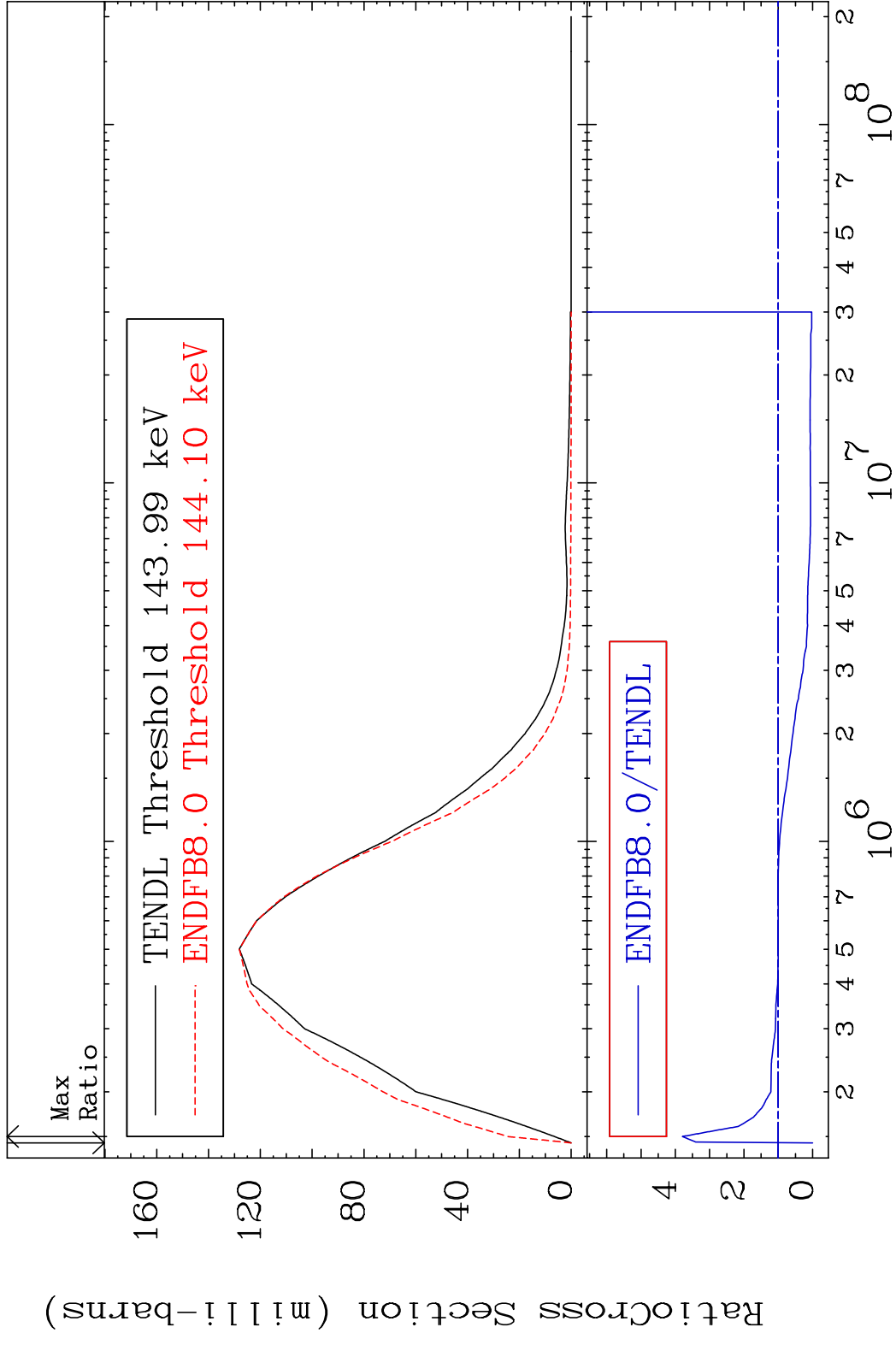
MAT 9549 MT= 53 (n, n') Level 95-Am-243  
 Cross Section -27.41 To 24.30 %



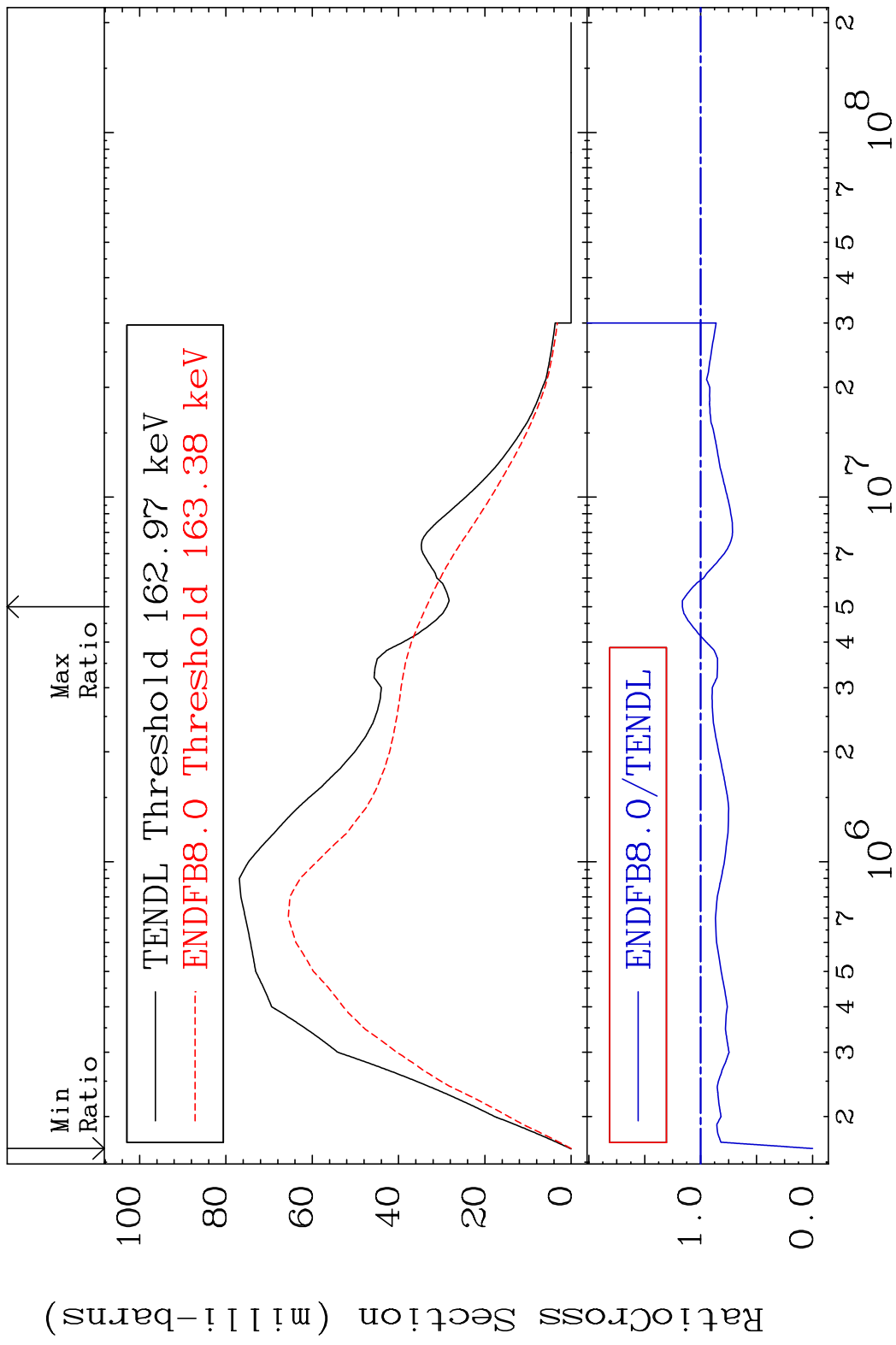
MAT 9549 MT= 54 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 137.8 %



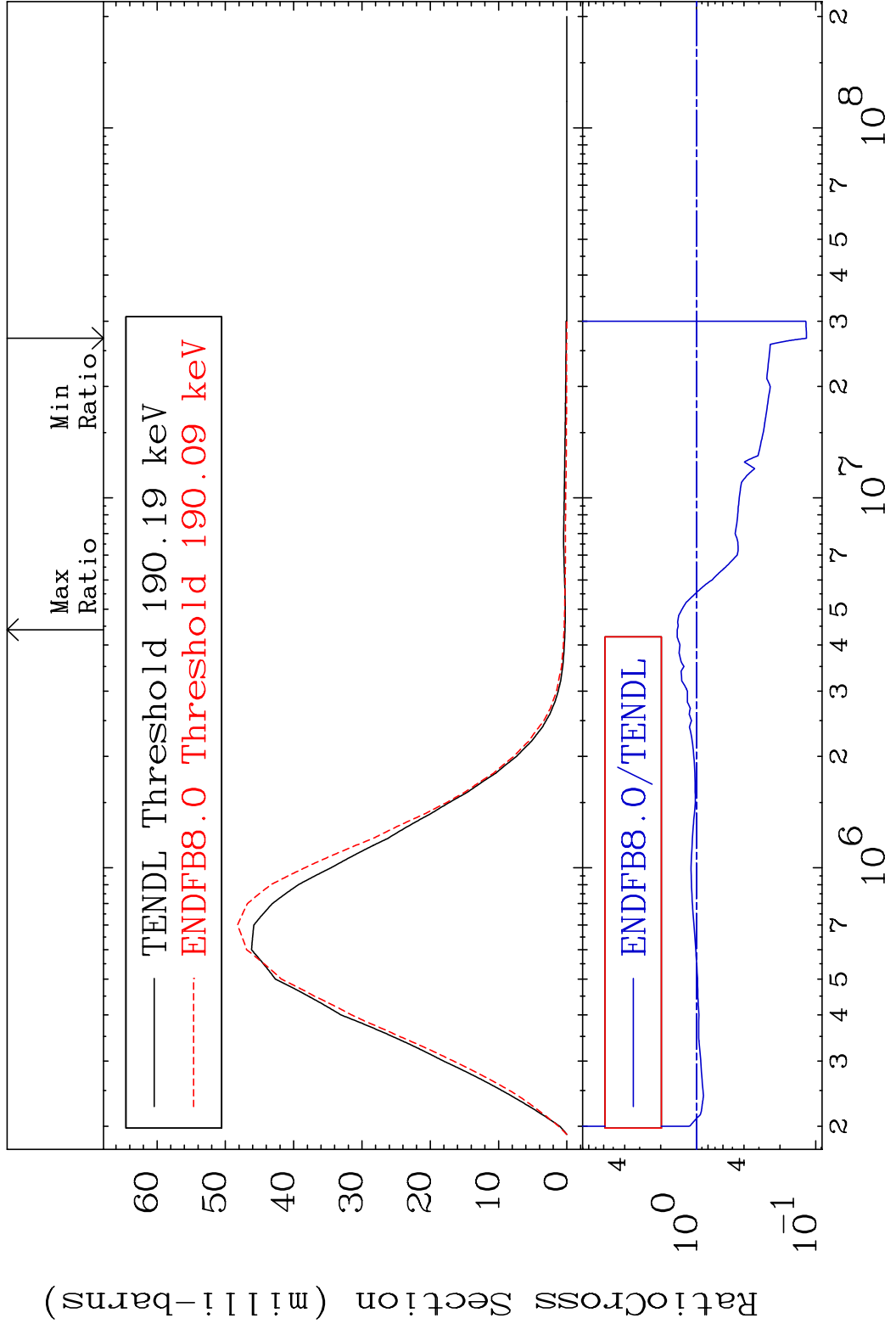
MAT 9549 MT= 55 (n,n') Level 95-Am-243  
 Cross Section -100.0 To 279.5 %



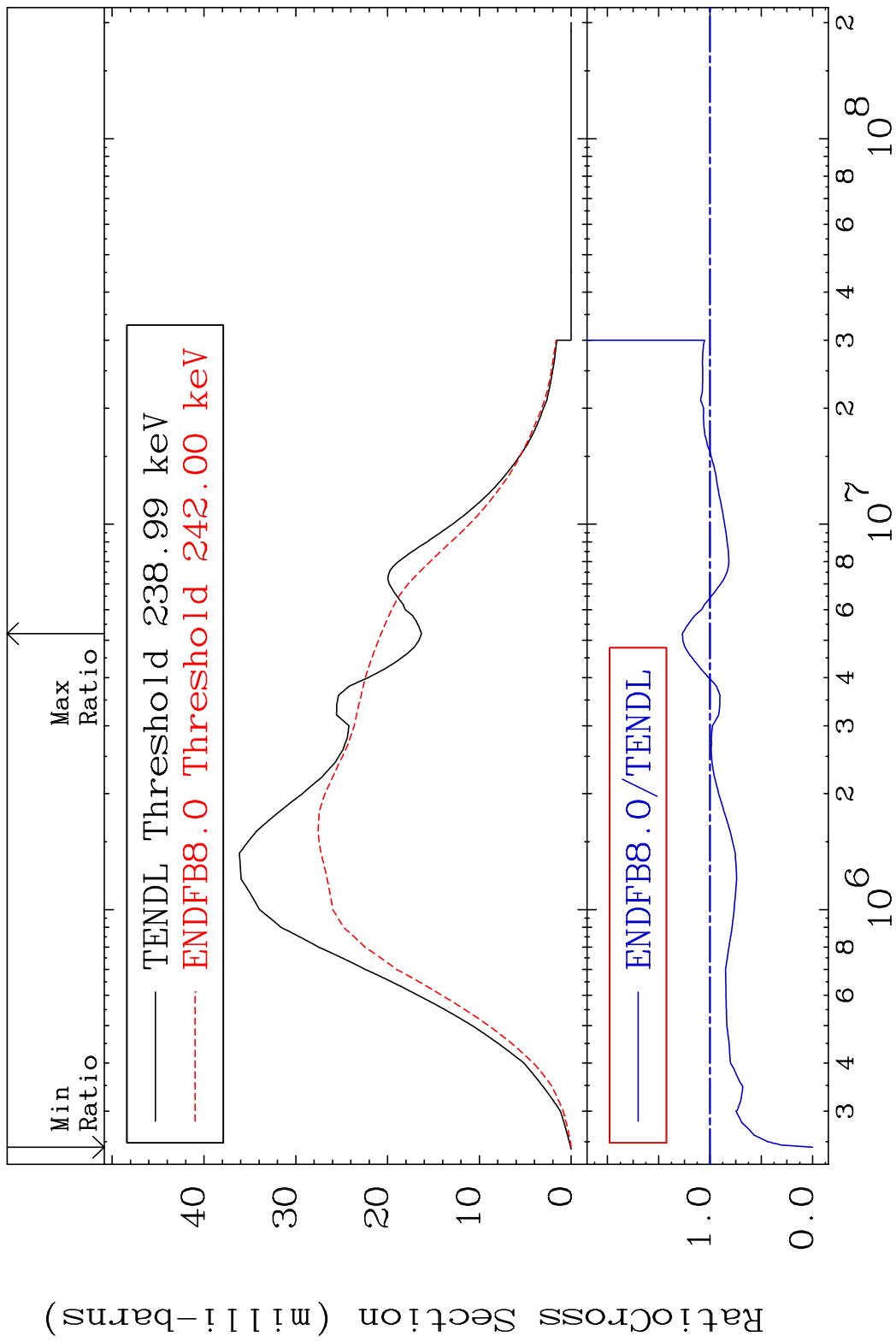
MAT 9549 MT= 56 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 16.37 %



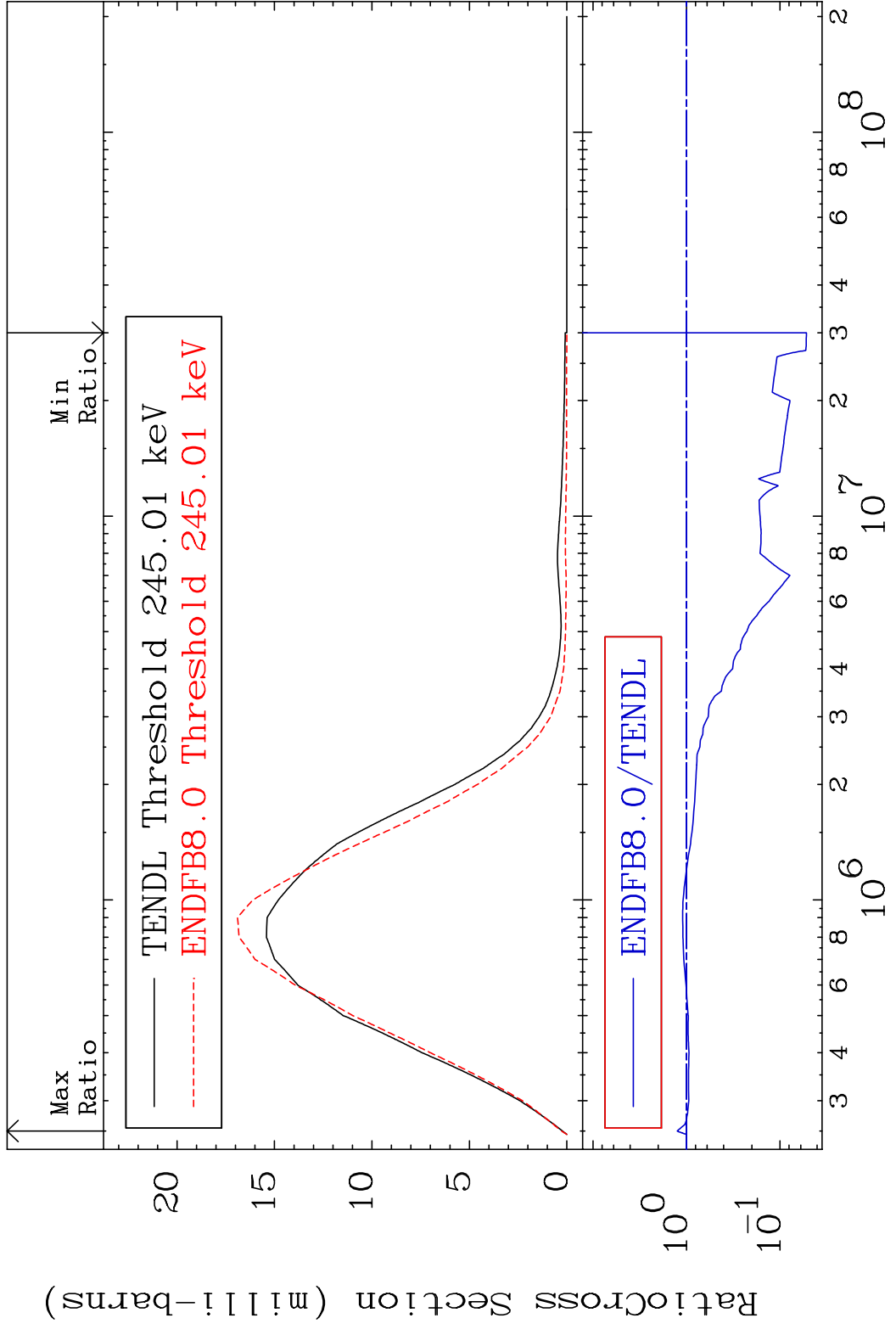
MAT 9549 MT= 57 (n, n') Level 95-Am-243  
 Cross Section -88.01 To 45.28 %



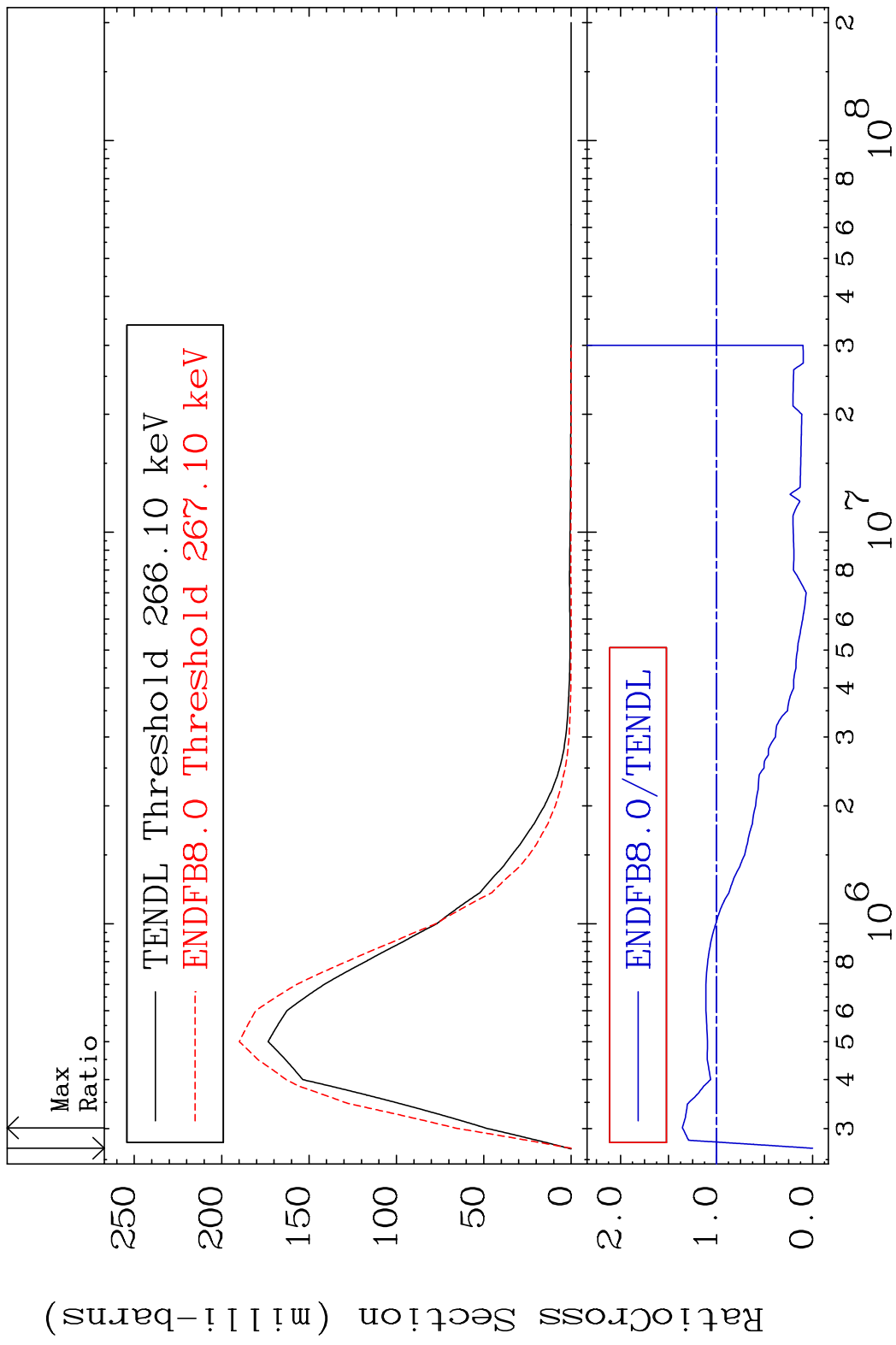
MAT 9549 MT= 58 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 26.96 %



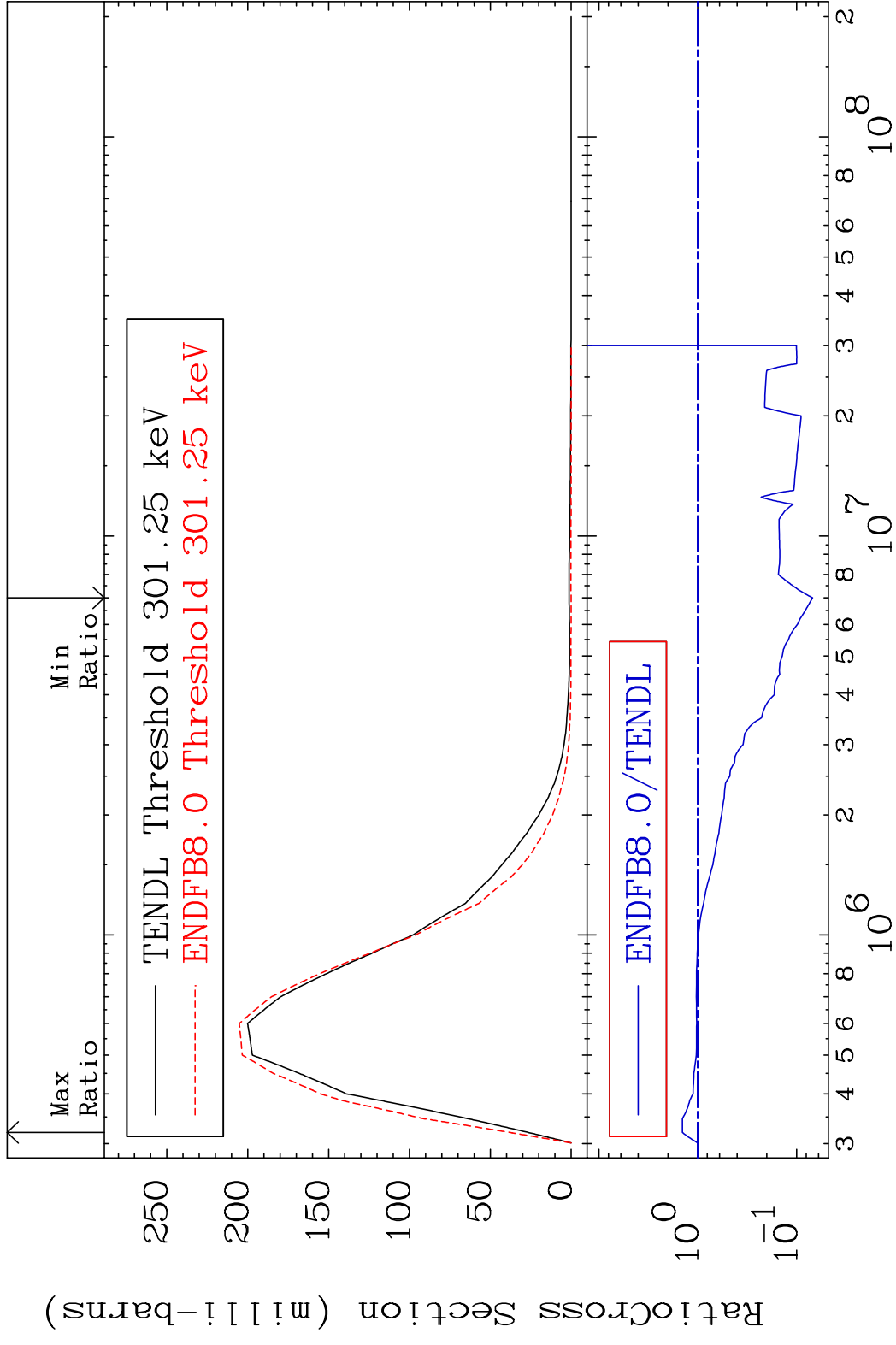
MAT 9549 MT= 59 (n, n') Level 95-Am-243  
 Cross Section -94.79 To 25.63 %



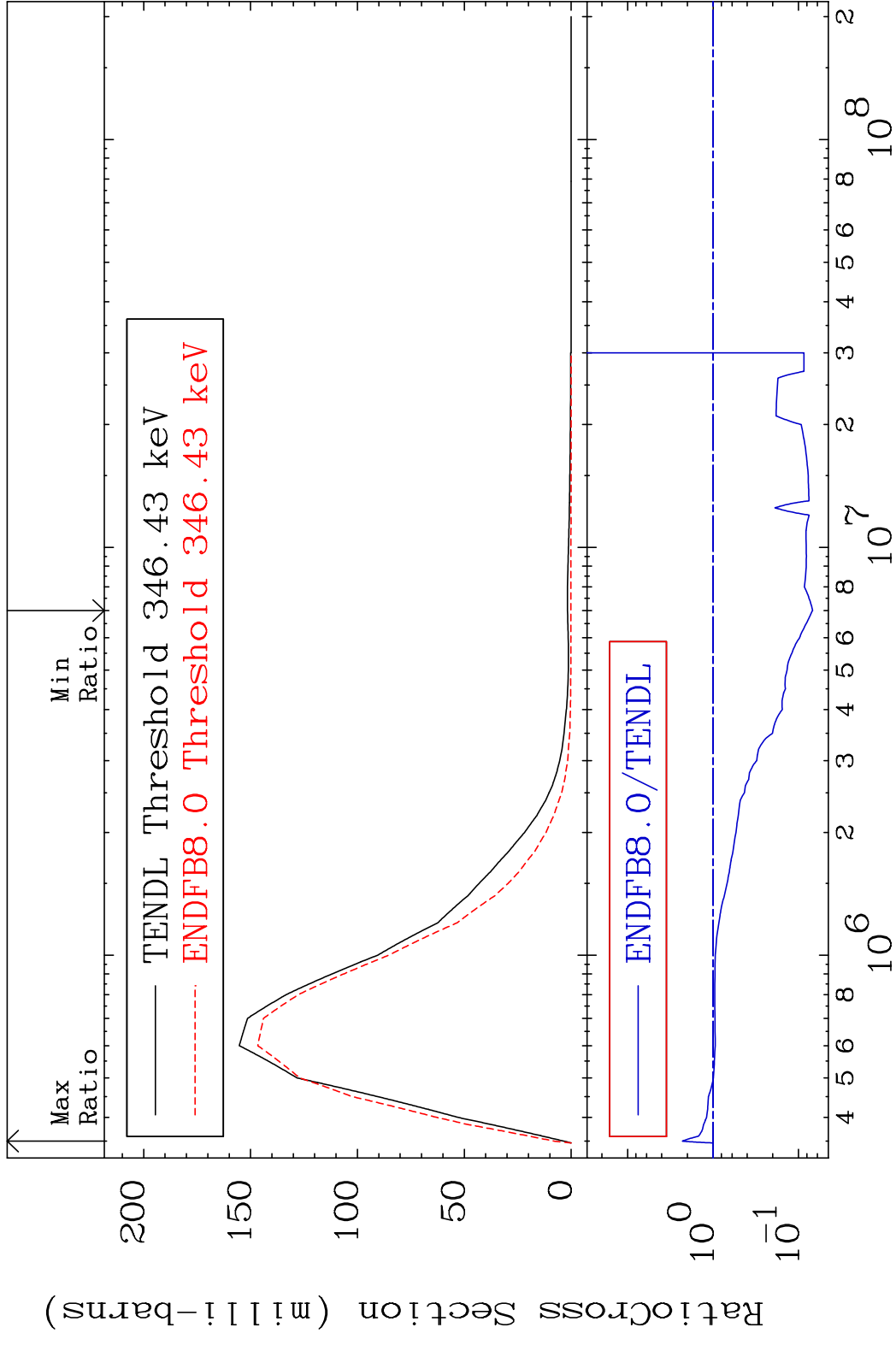
MAT 9549 MT= 60 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 35.61 %



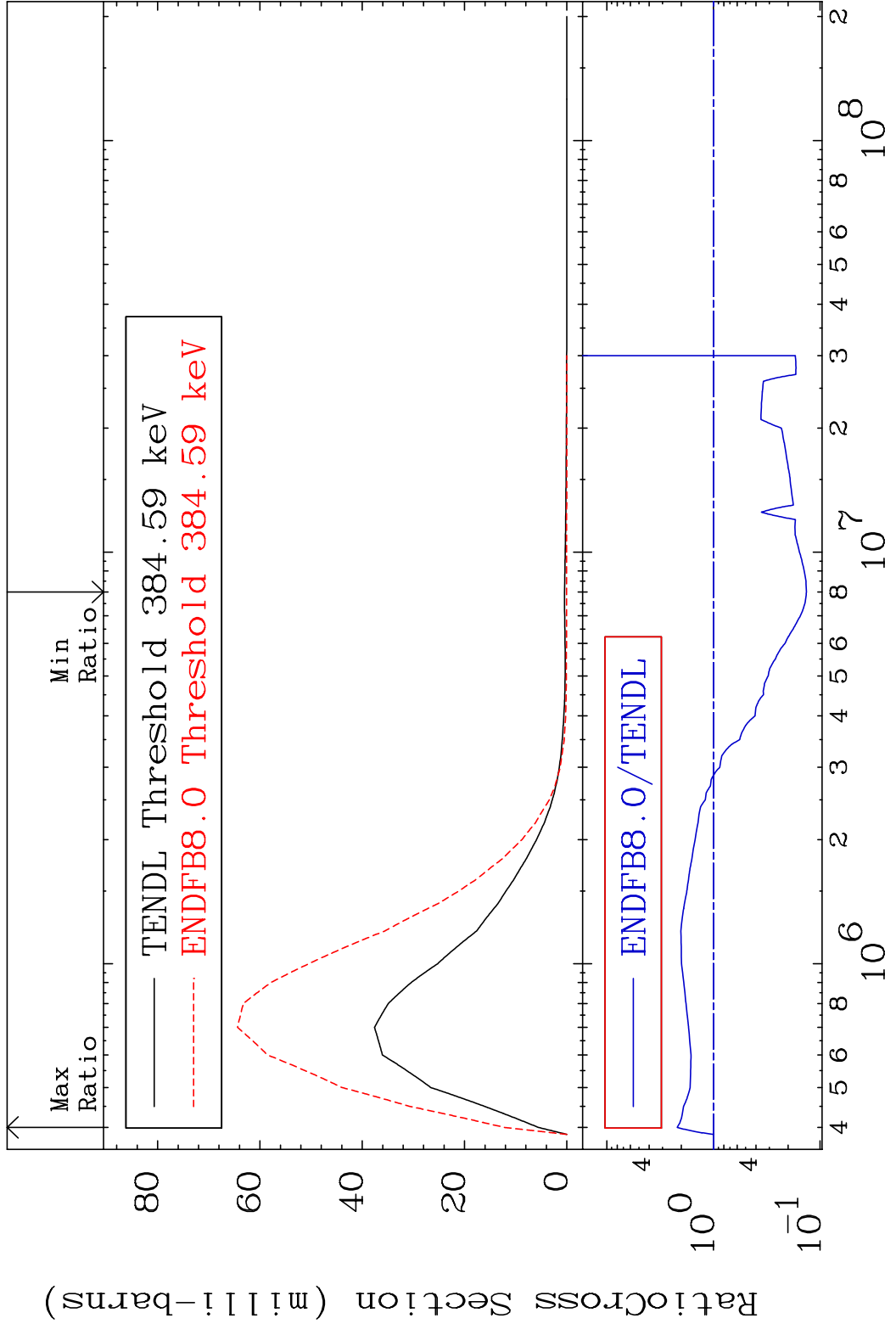
MAT 9549 MT= 61 (n, n') Level 95-Am-243  
 Cross Section -93.10 To 43.04 %



MAT 9549 MT= 62 (n, n') Level 95-Am-243  
 Cross Section -93.15 To 128.7 %

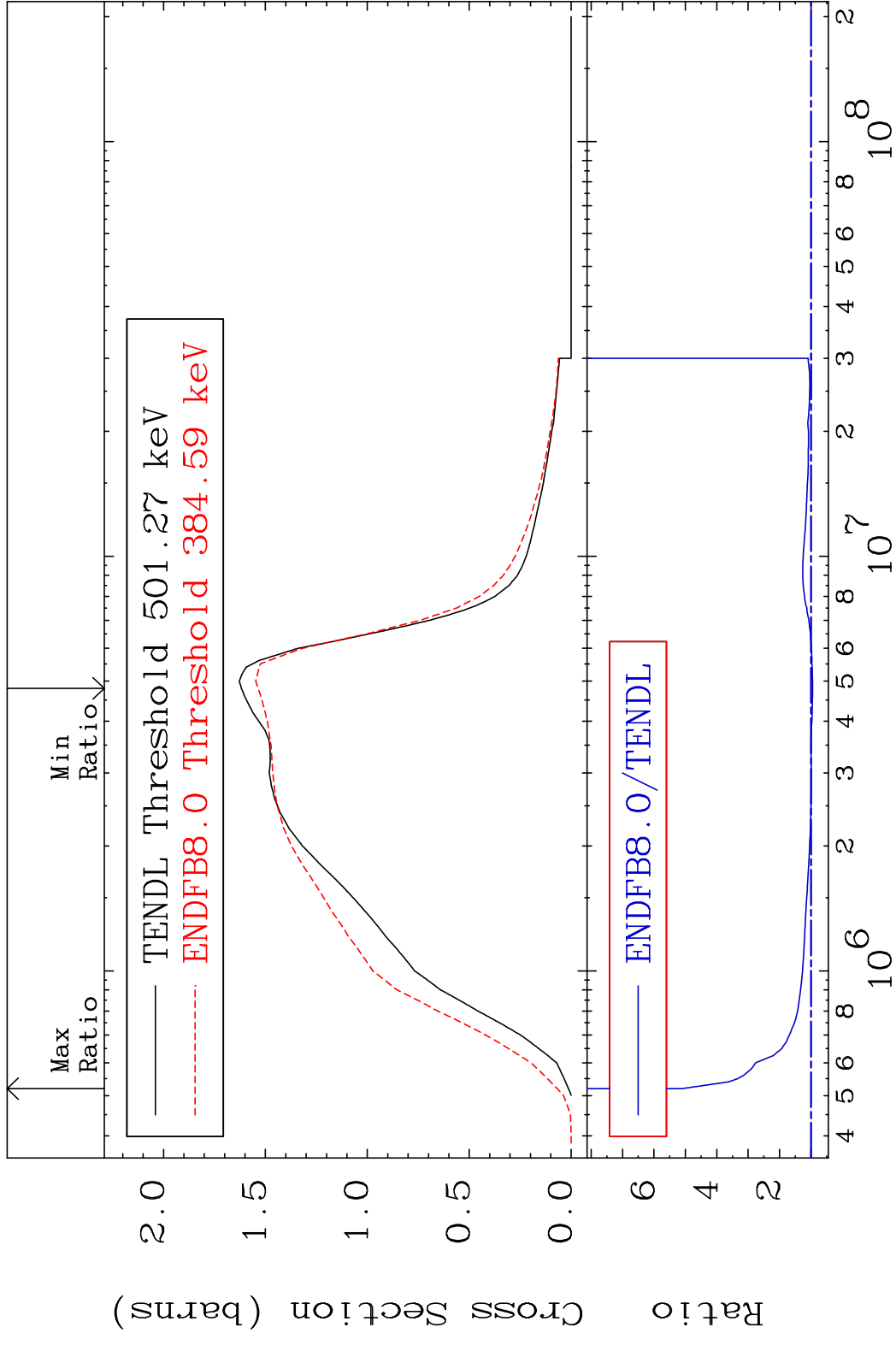


MAT 9549 MT= 63 (n, n') Level 95-Am-243  
 Cross Section -86.56 To 118.8 %



20 Incident Energy (eV) 95-Am-243

MAT 9549 (n, n') Continuum 95-Am-243  
 Cross Section -5.085 To 409.5 %

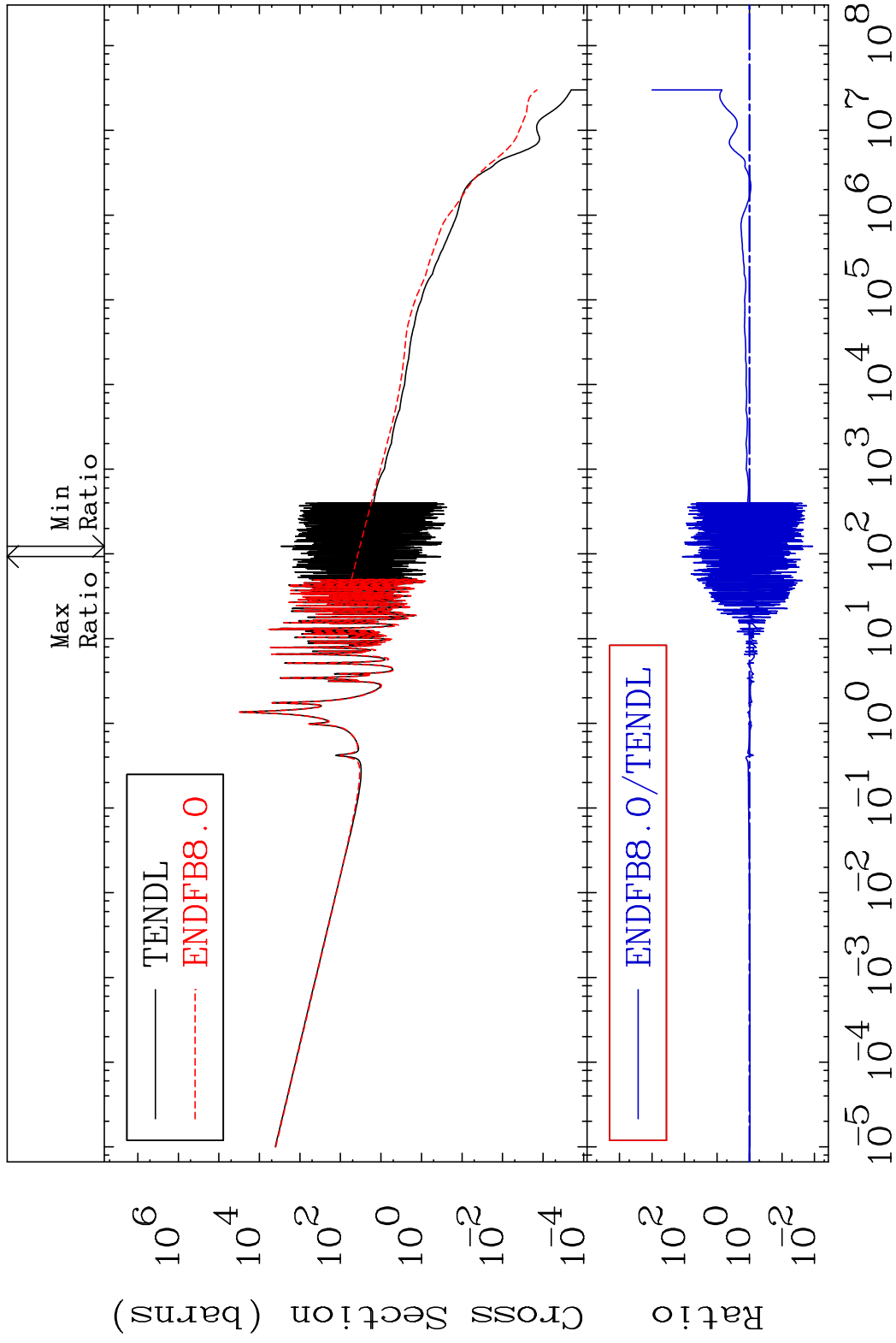


MAT 9549

(n,  $\gamma$ )

95-Am-243

Cross Section -98.85 To 9999. %

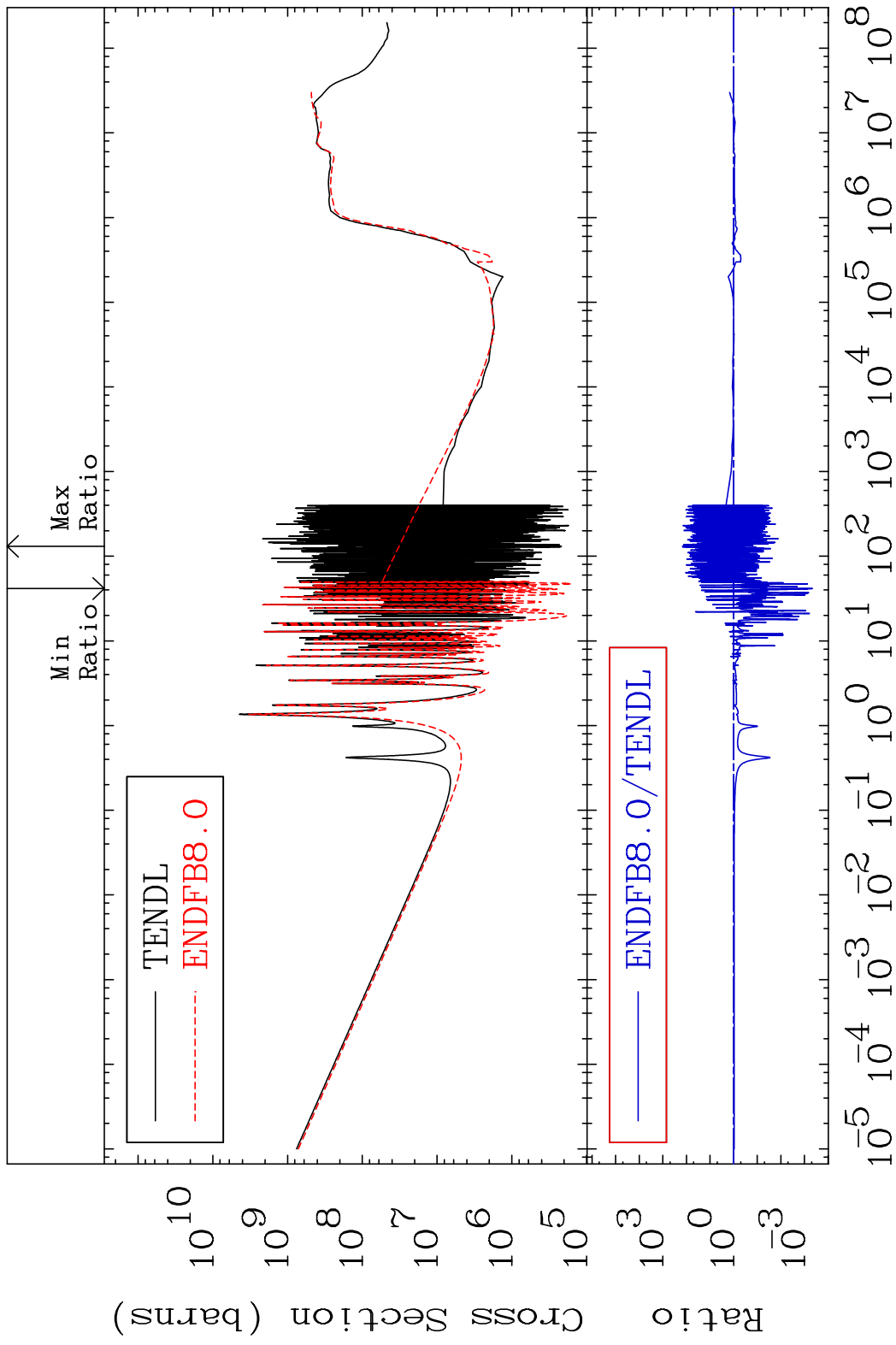


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Incident Energy (eV)

95-Am-243

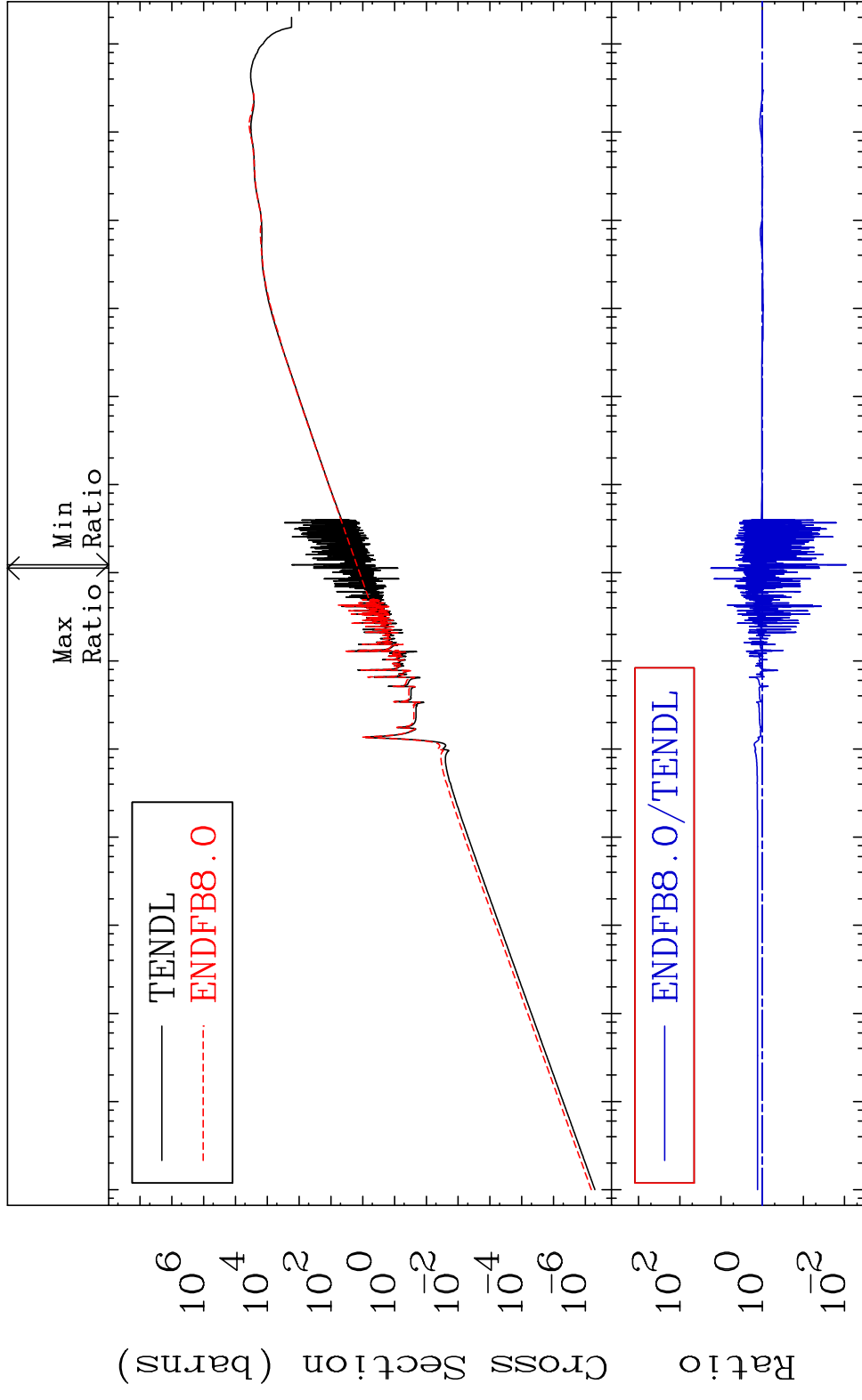
MAT 9549 Kerma total (eV-barns) 95-Am-243  
 Cross Section -99.95 To 9999. %



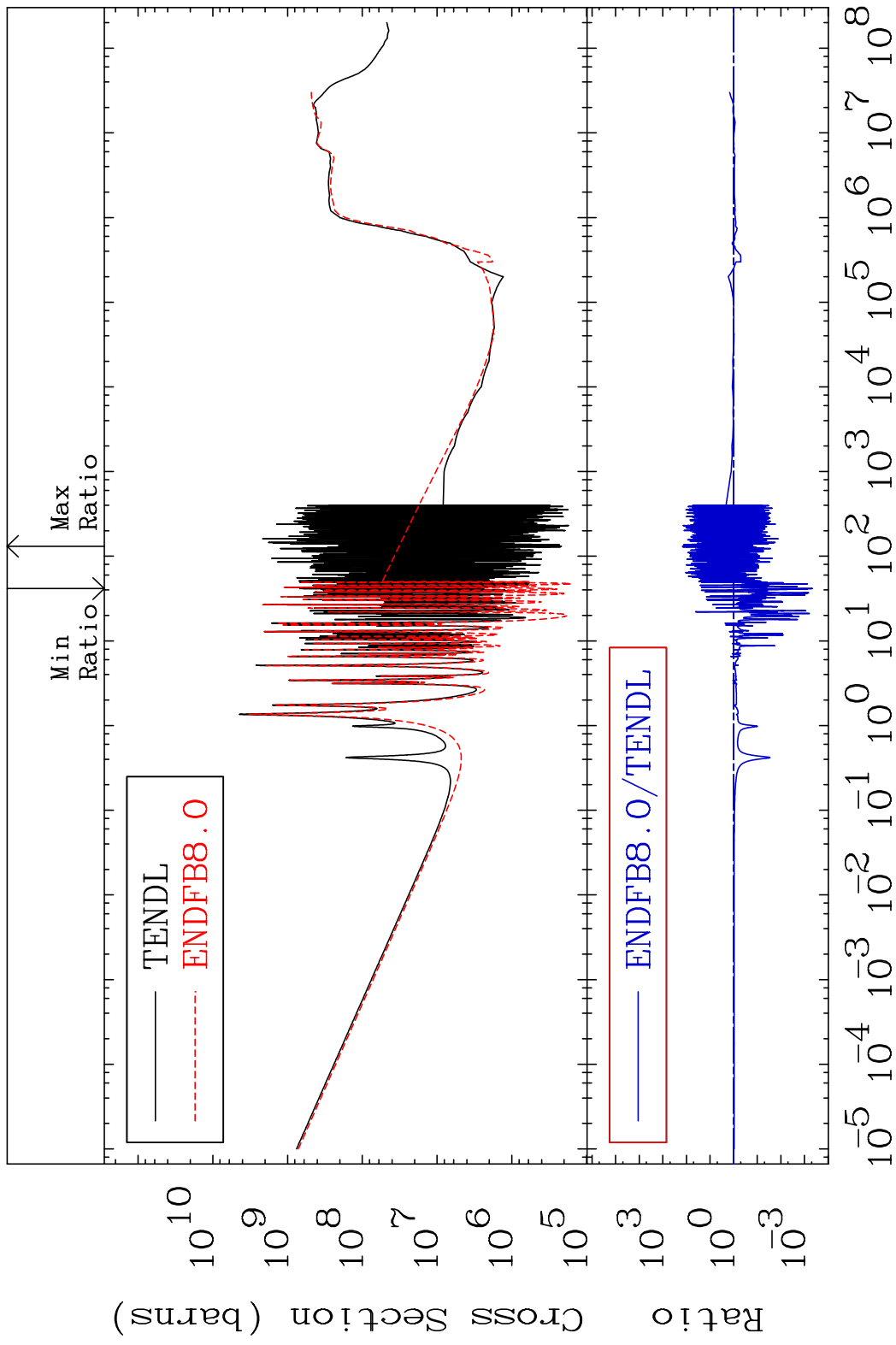
MAT 9549

Kerma elastic  
Cross Section

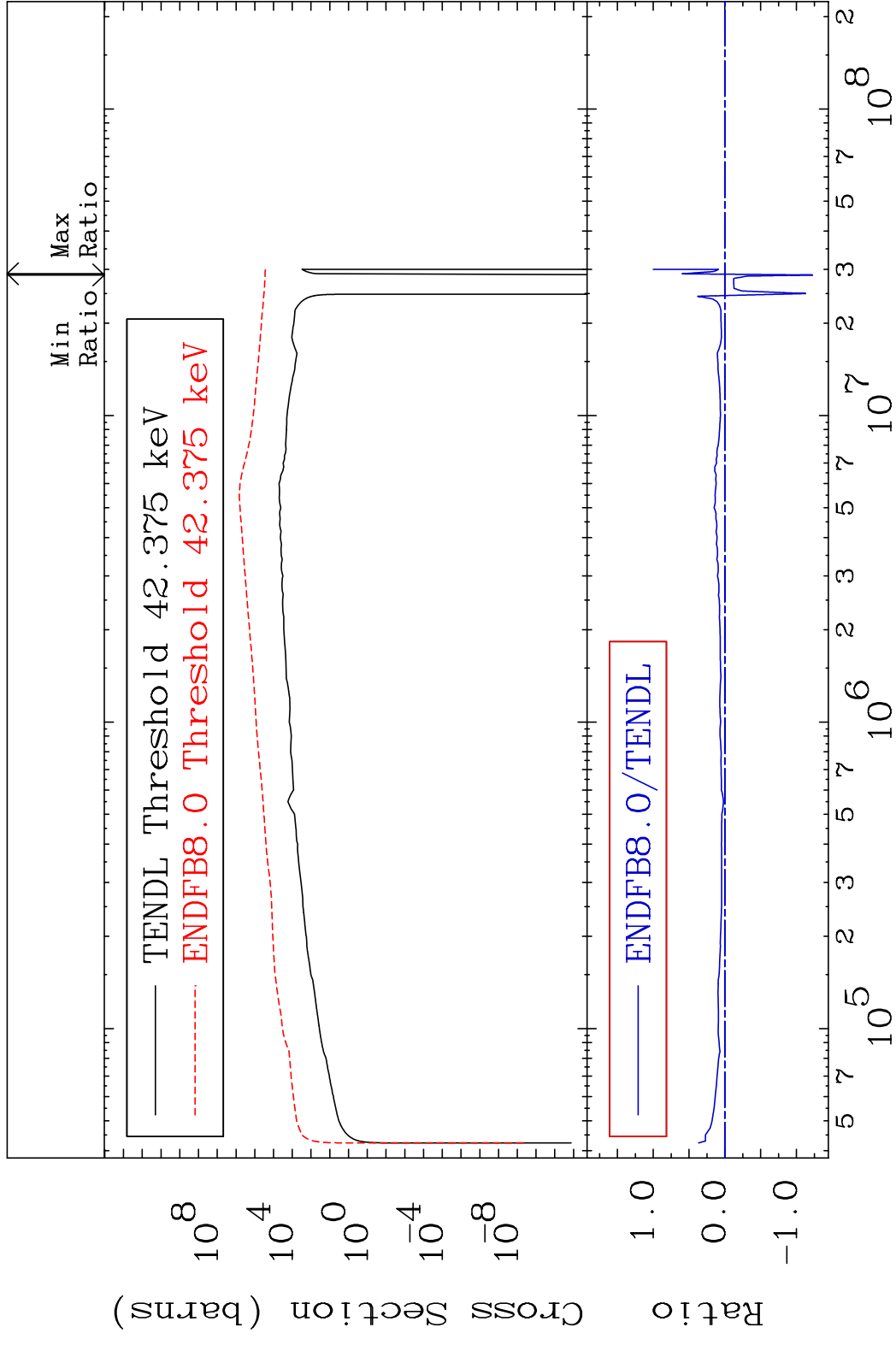
95-Am-243  
-99.09 To 1676. %



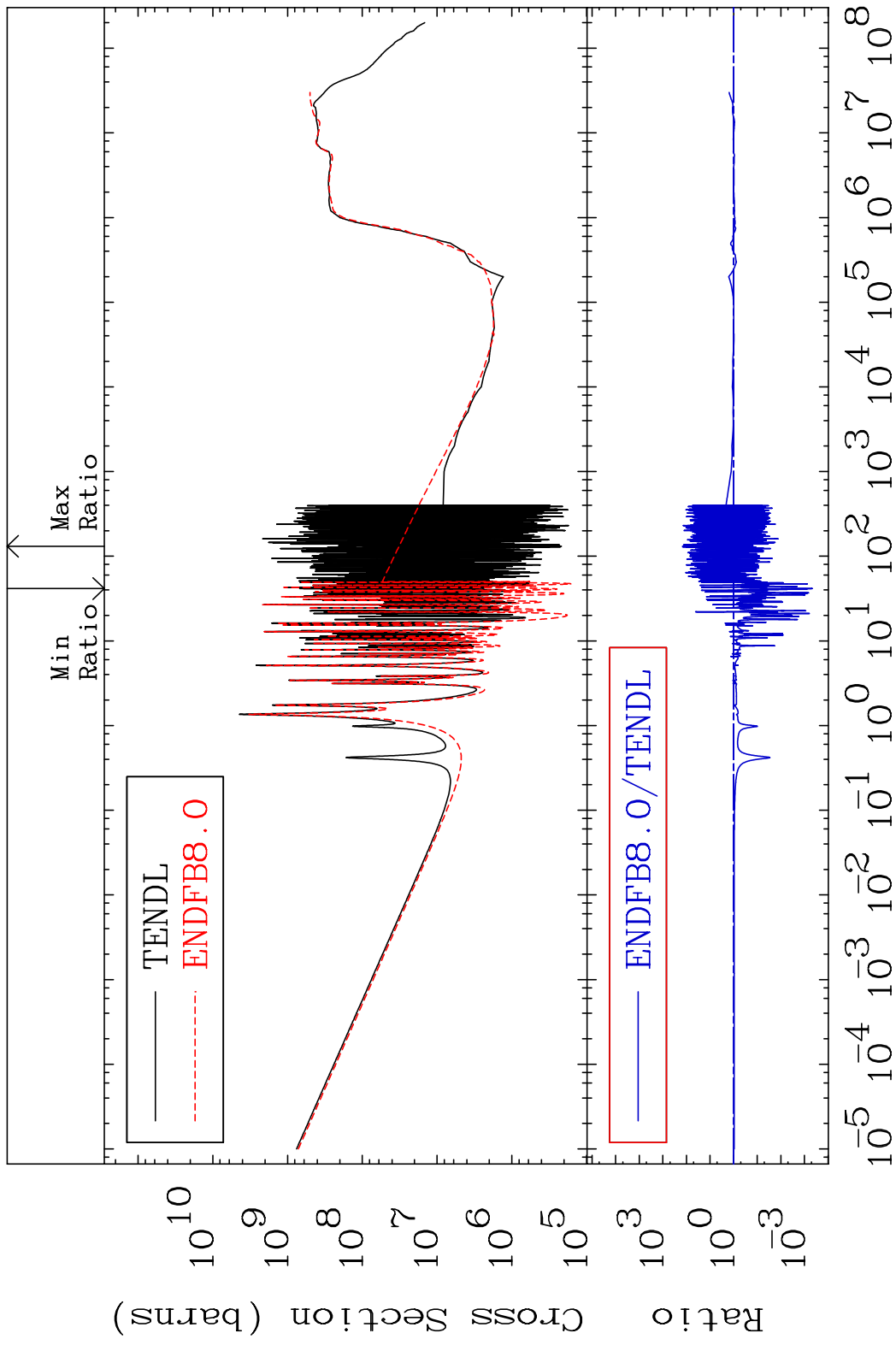
MAT 9549 Kerma non-elastic (all but mt2) 95-Am-243  
 Cross Section -99.95 To 9999. %



MAT 9549 Kerma inelastic (mt51-91) 95-Am-243  
 Cross Section -9999. To 9999. %

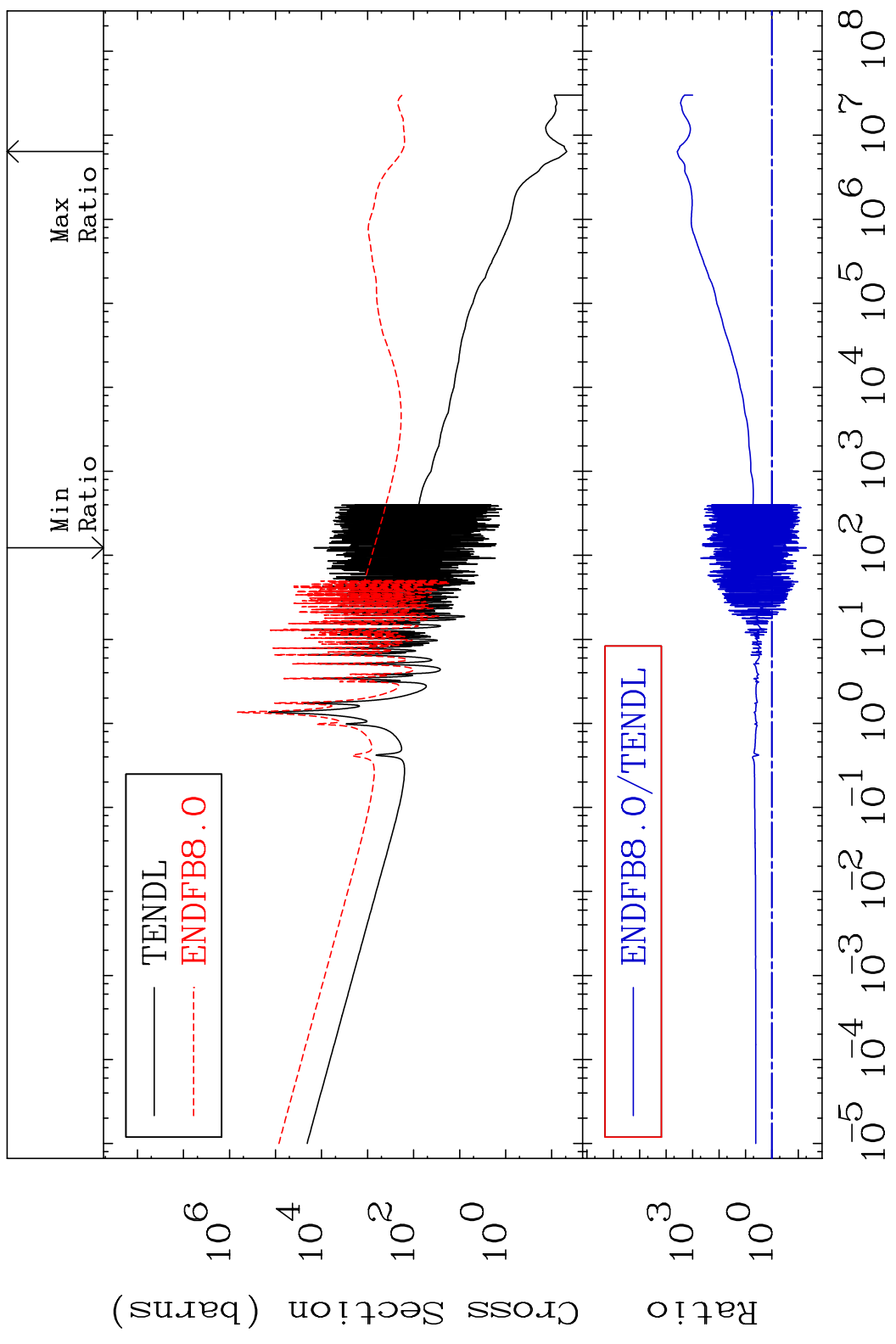


MAT 9549 Kerma fission (mt18 or mt19-20-21-38) 95-Am-243  
 Cross Section -99.95 To 9999. %



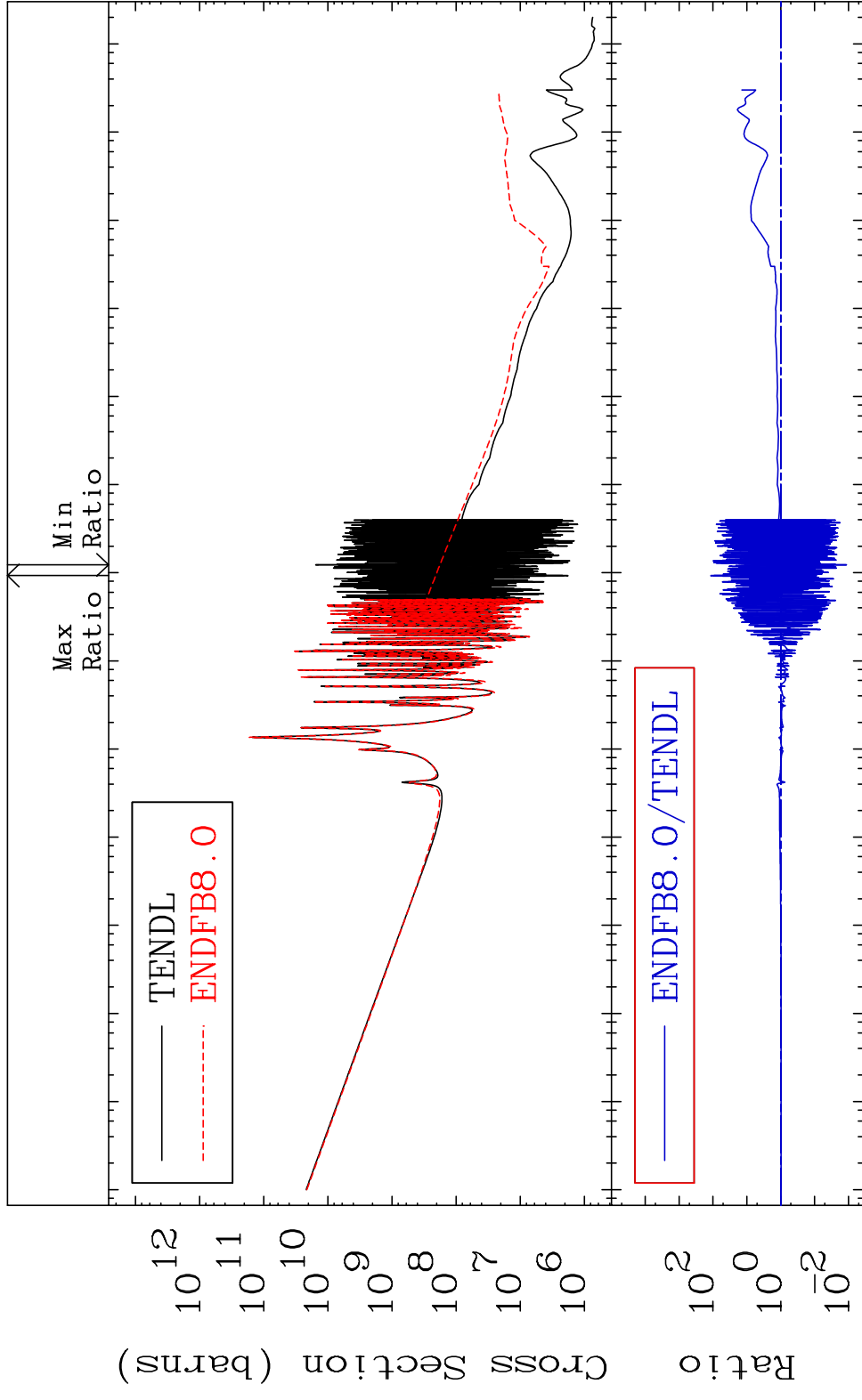
MAT 9549

Kerma capture (mt102) 95-Am-243  
Cross Section -95.05 To 9999. %

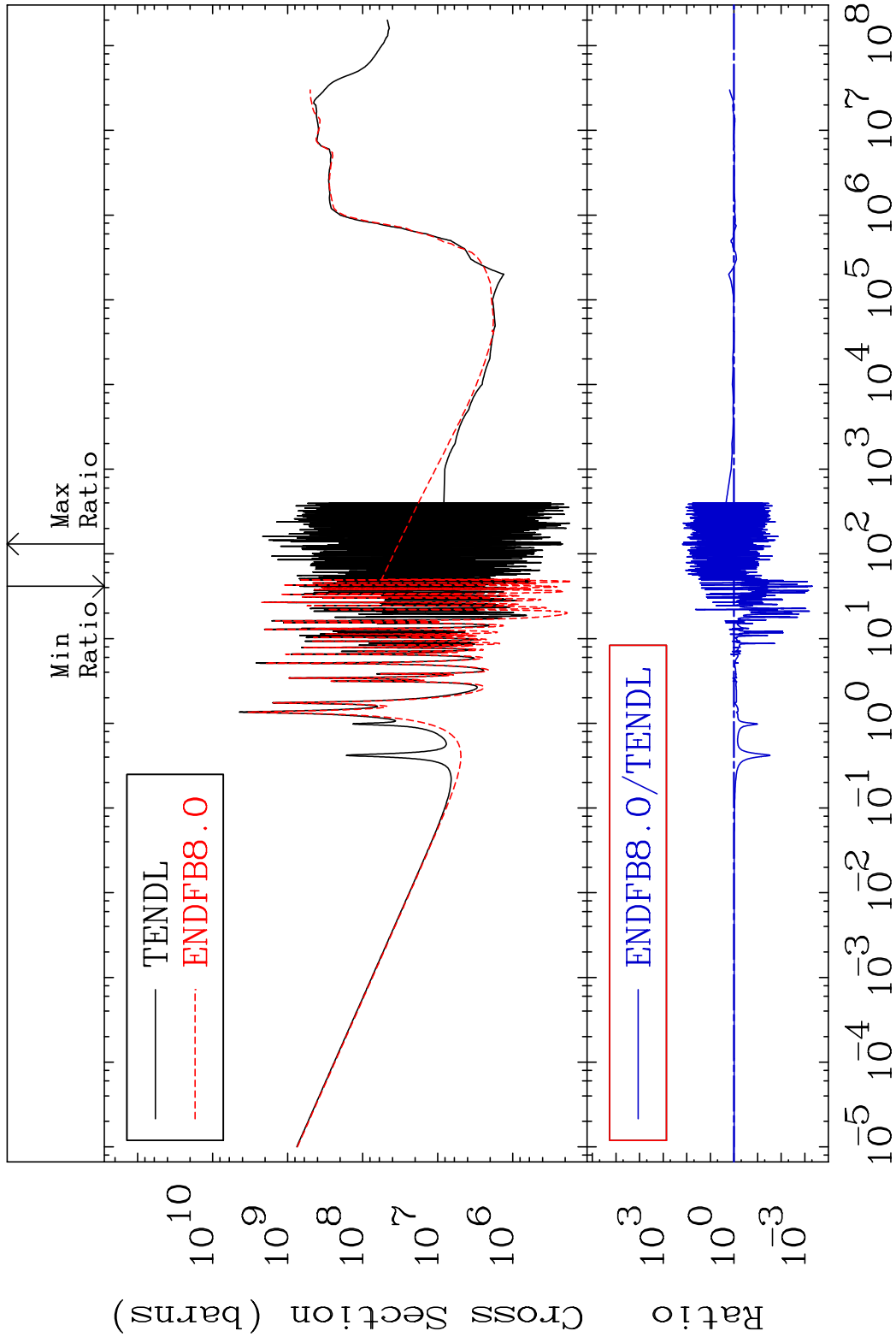


MAT 9549

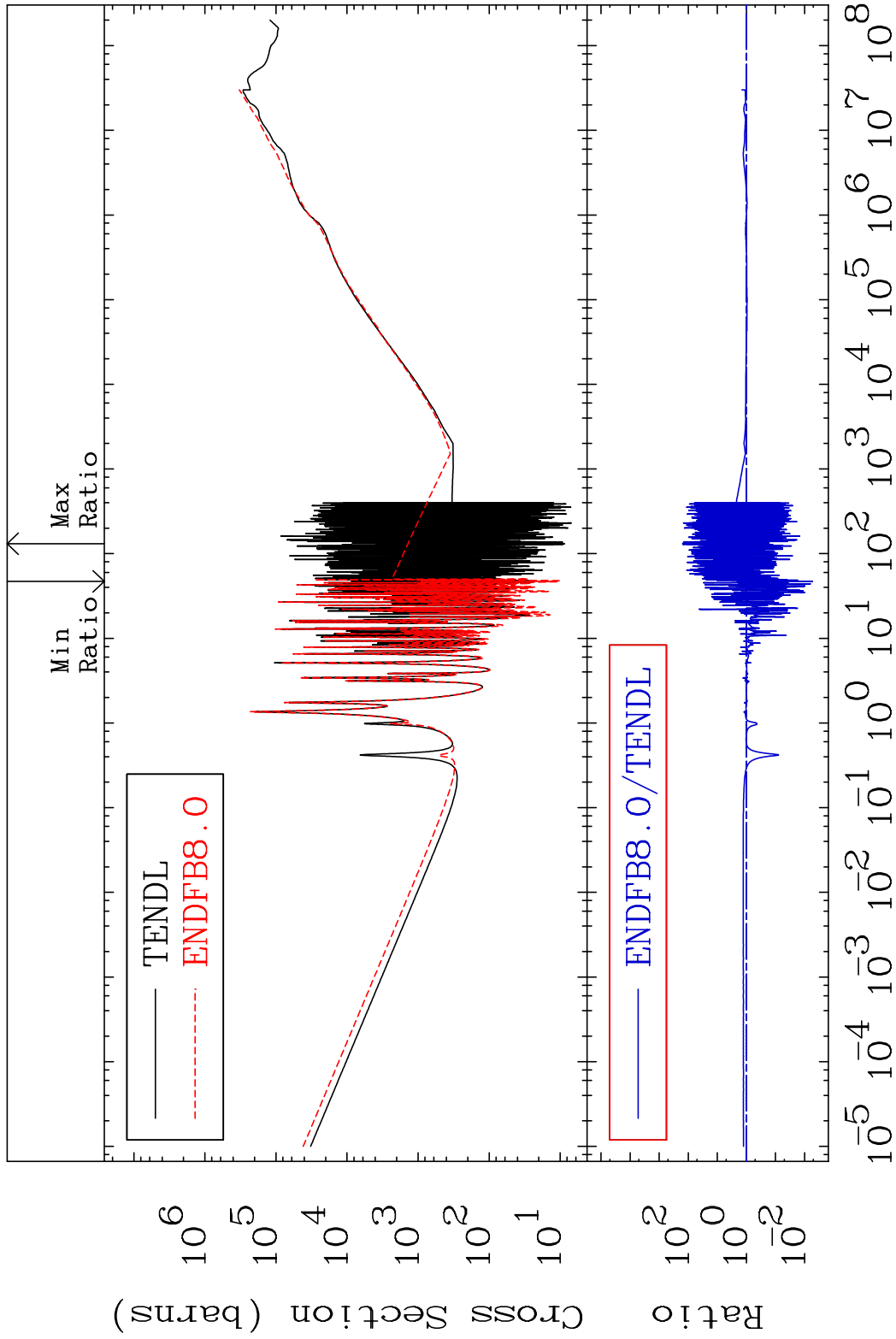
Total photon (eV-barns) 95-Am-243  
Cross Section -98.85 To 9999. %



MAT 9549 Total kinematic kerma (high limit) 95-Am-243  
 Cross Section -99.95 To 9999. %



MAT 9549 Dpa total (eV-barns) 95-Am-243  
 Cross Section -99.47 To 9999. %

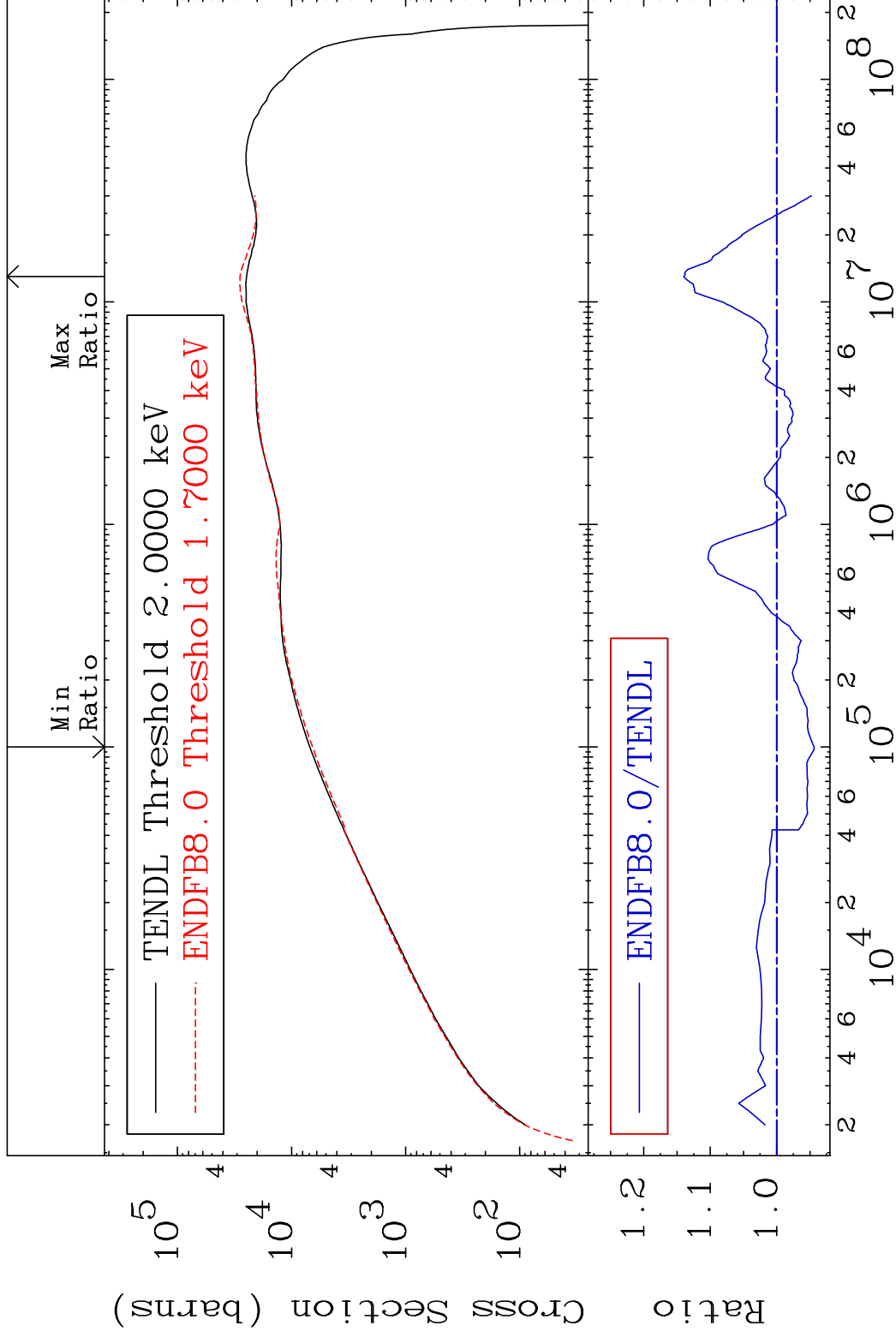


MAT 9549

Dpa elastic (mt2)

95-Am-243

Cross Section -5.627 To 14.00 %

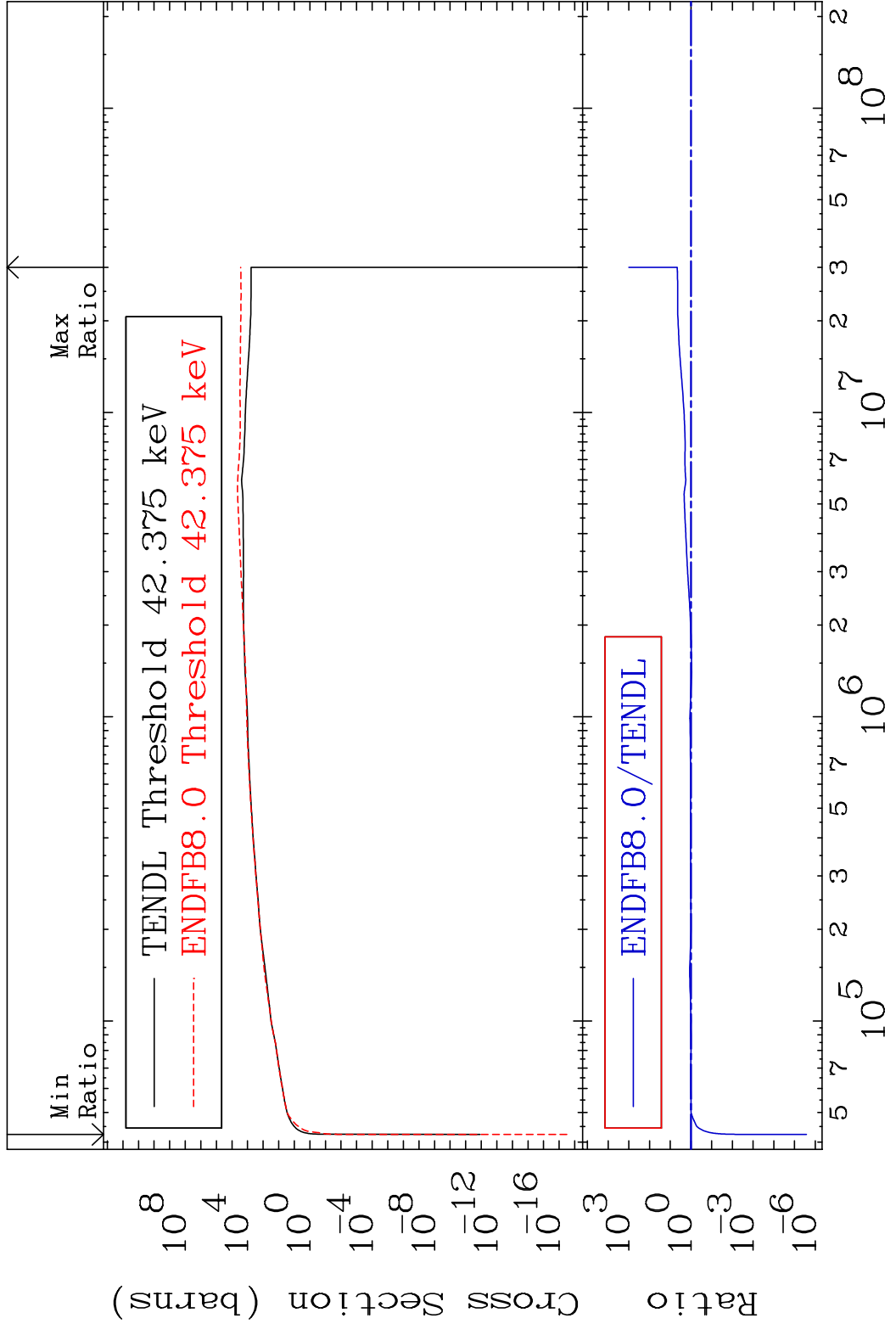


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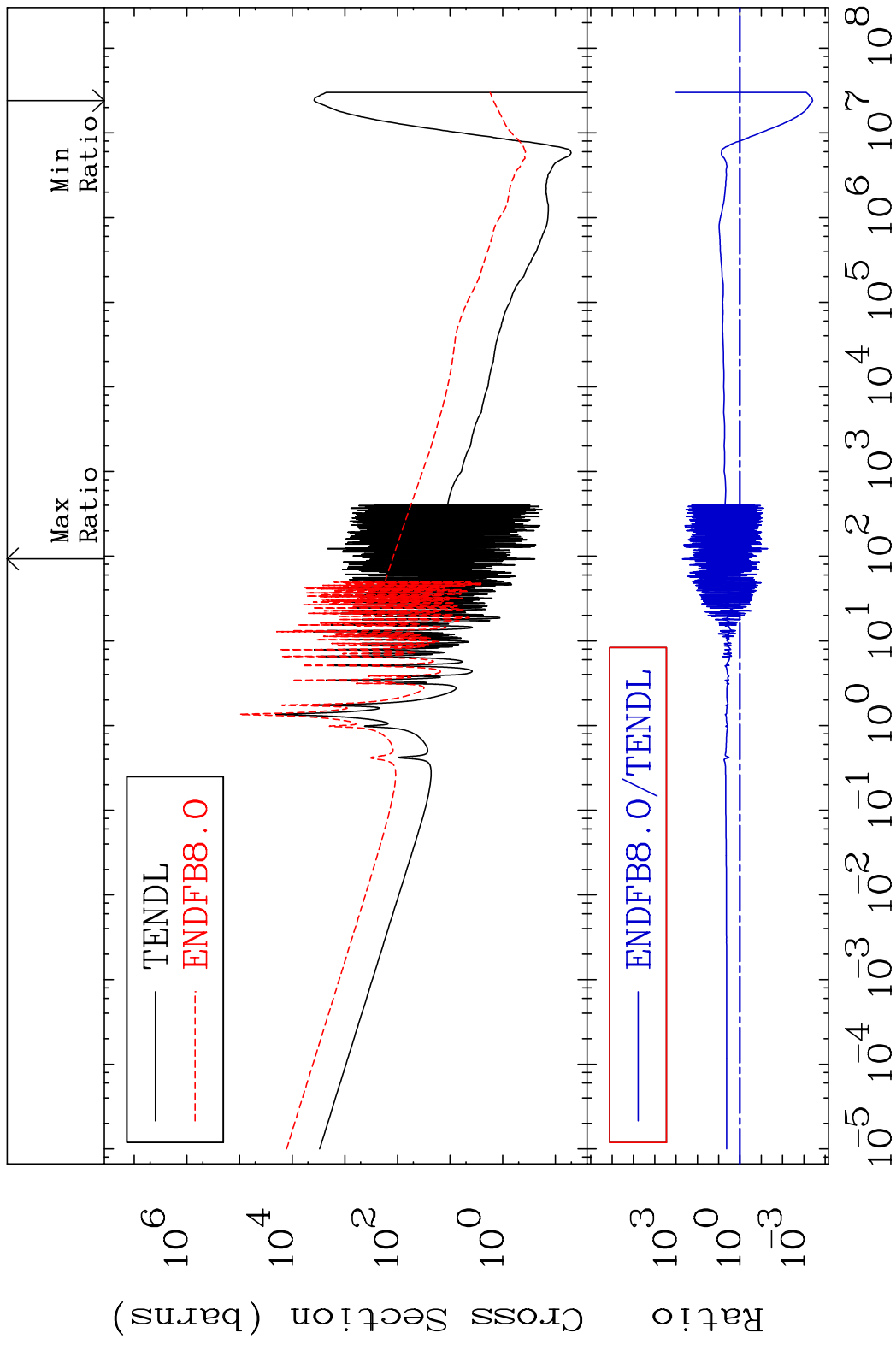
Incident Energy (eV)

95-Am-243

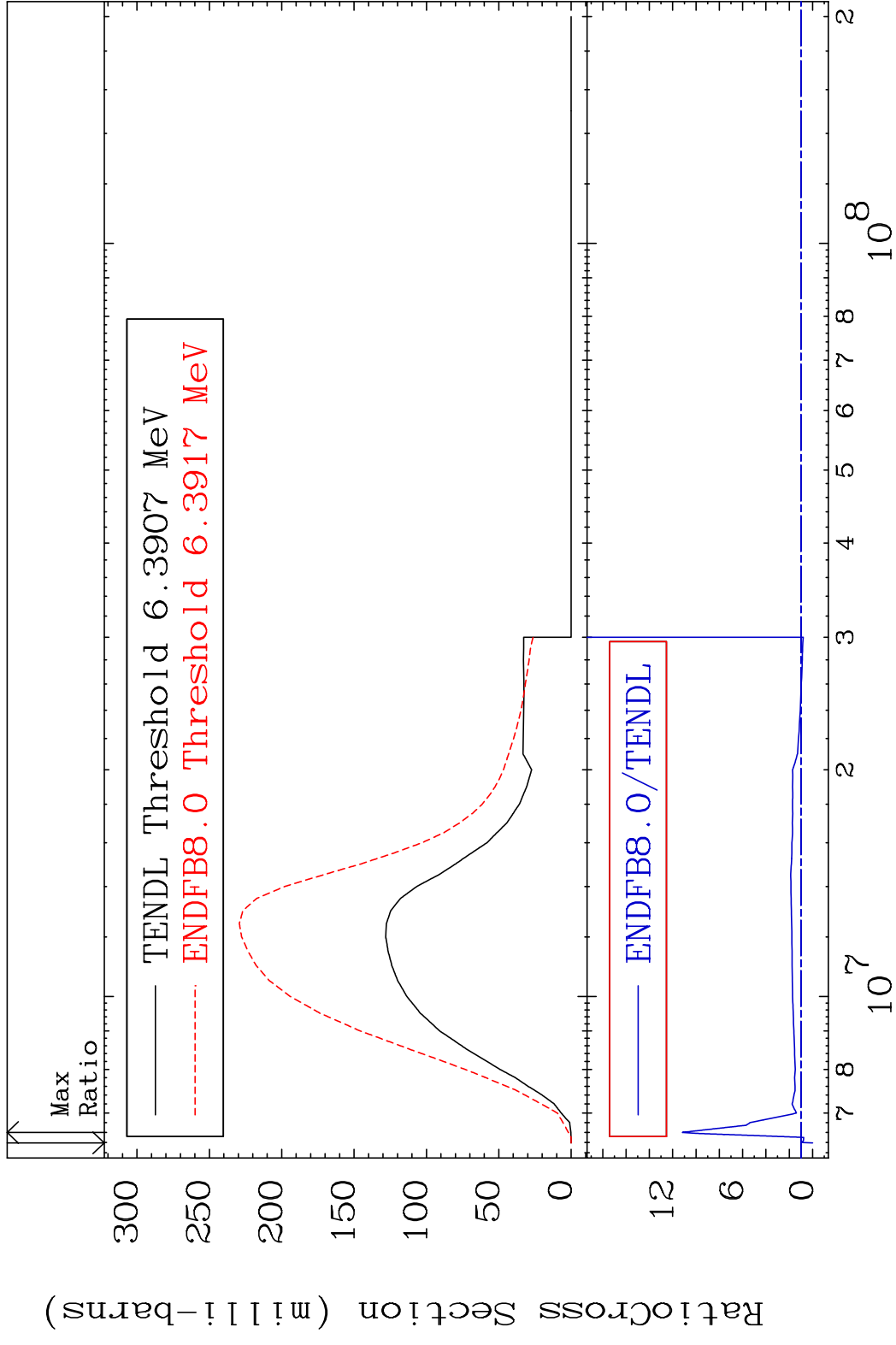
MAT 9549      Dpa inelastic (mt51-91)      95-Am-243  
 Cross Section      -100.0 To 363.0 %



MAT 9549 Dpa disappearance (mt102 -120) 95-Am-243  
 Cross Section -99.96 To 9999. %



MAT 9549 (n,2n):95-Am-242g 95-Am-243  
 Radionuclide Production Cross Section Ratio 100.00 to 1017. %



MAT 9549 (n, 2n): 95-Am-242m2 95-Am-243  
 Radionuclide Production Cross Section Ratio 820.6 %

