

Program Complot  
(Version 2021-1)

by

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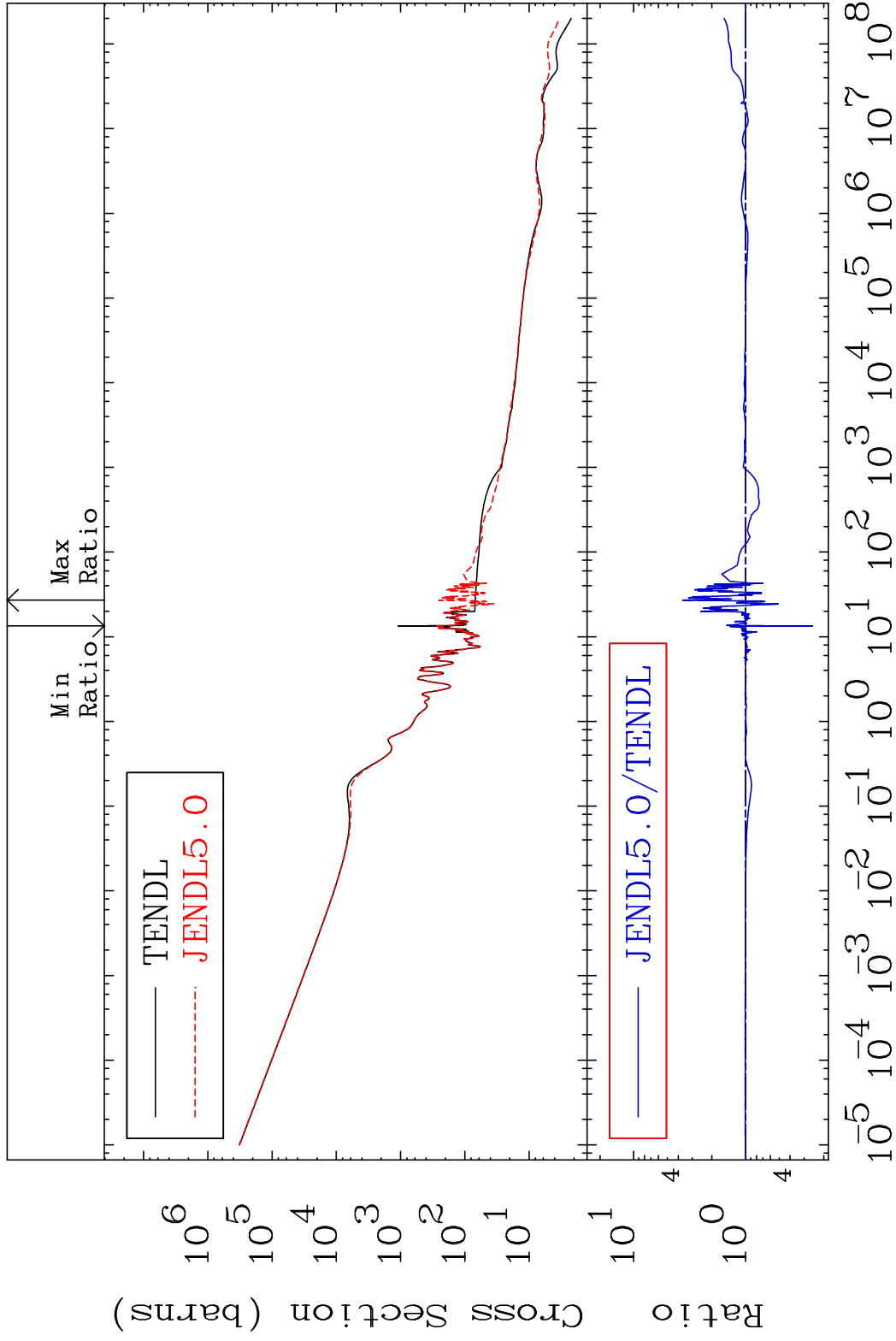
Press Mouse Button to Start

MAT 9547

Total

95-Am-242m

Cross Section -74.78 To 267.2 %



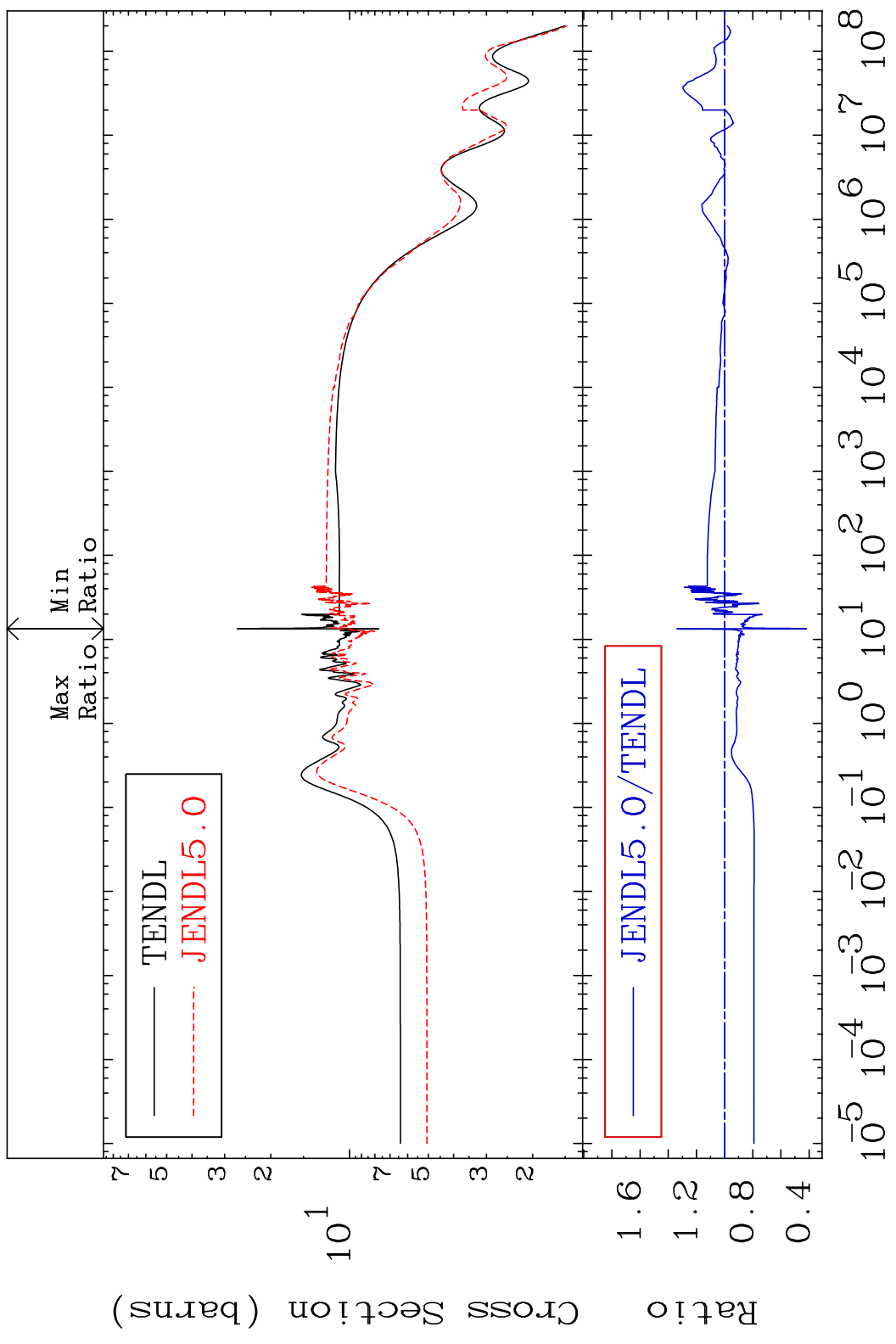
1

Incident Energy (eV)

95-Am-242m

MAT 9547

Elastic Cross Section -58.11 To 33.64 %  
95-Am-242m



2 95-Am-242m

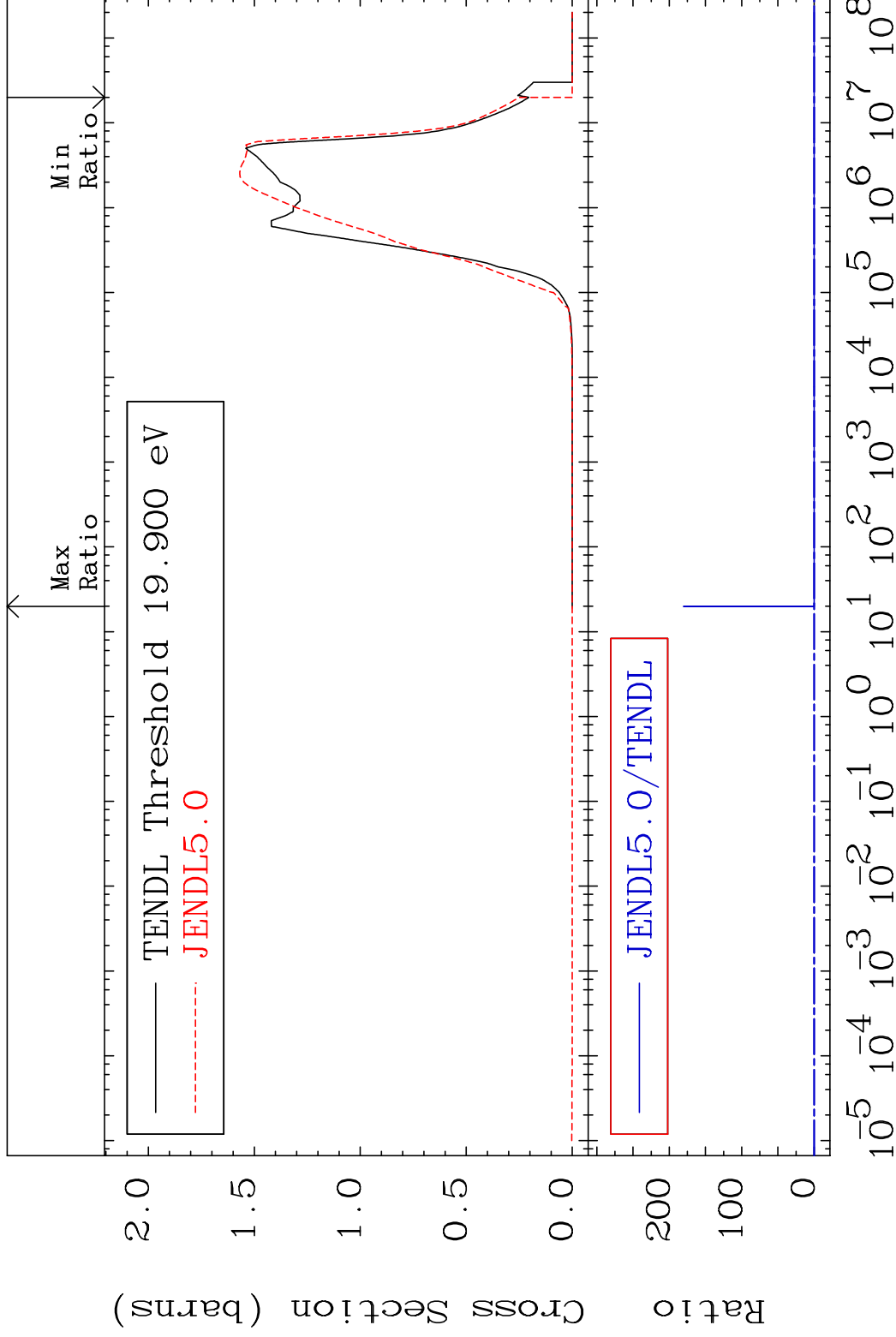
MAT 9547

Inelastic

95-Am-242m

Cross Section

-100.0 To 9999. %



3

Incident Energy (eV)

95-Am-242m

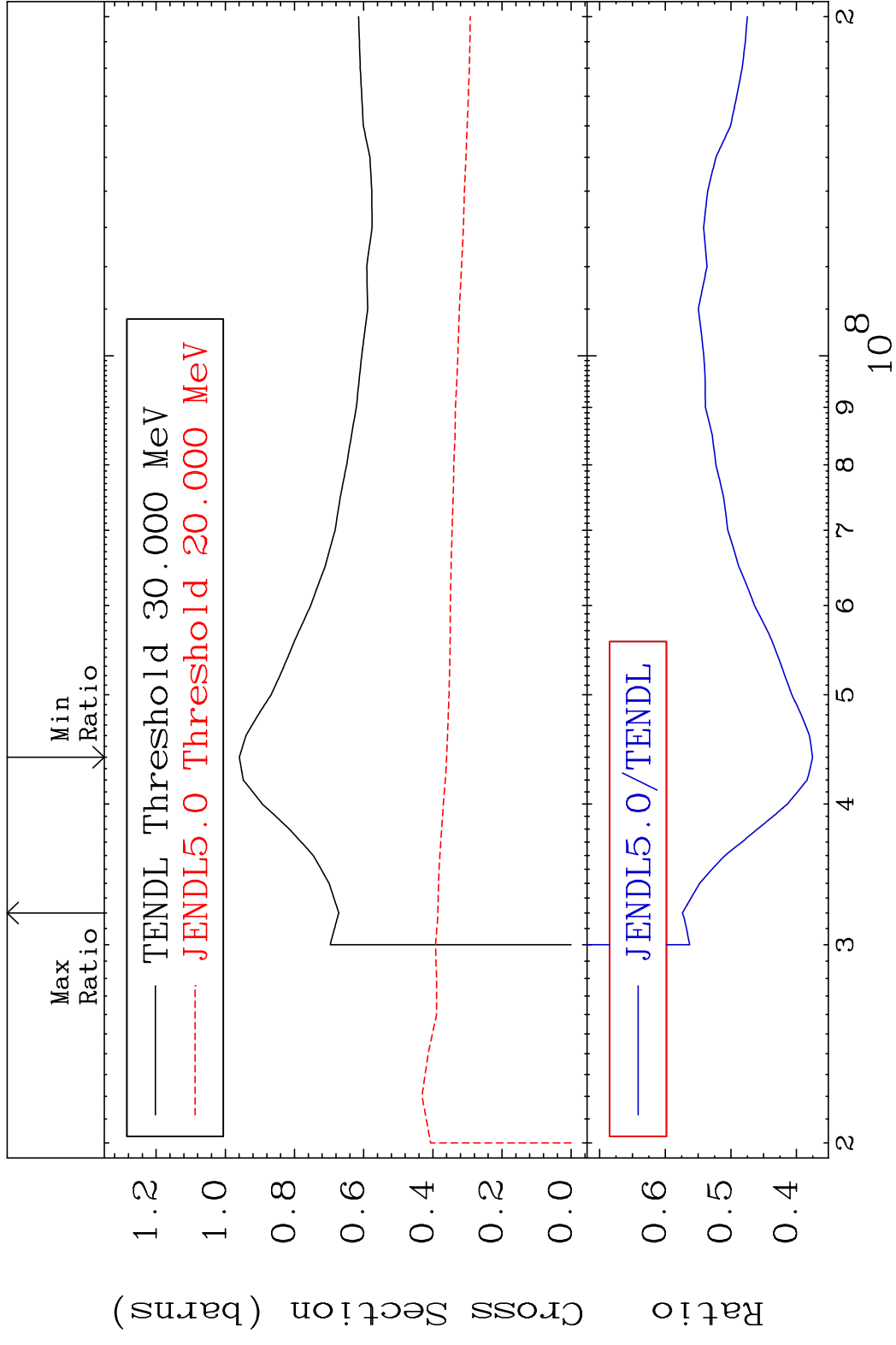
MAT 9547

(n, remainder)

95-Am-242m

Cross Section

-62.45 To -42.61%



4

Incident Energy (eV)

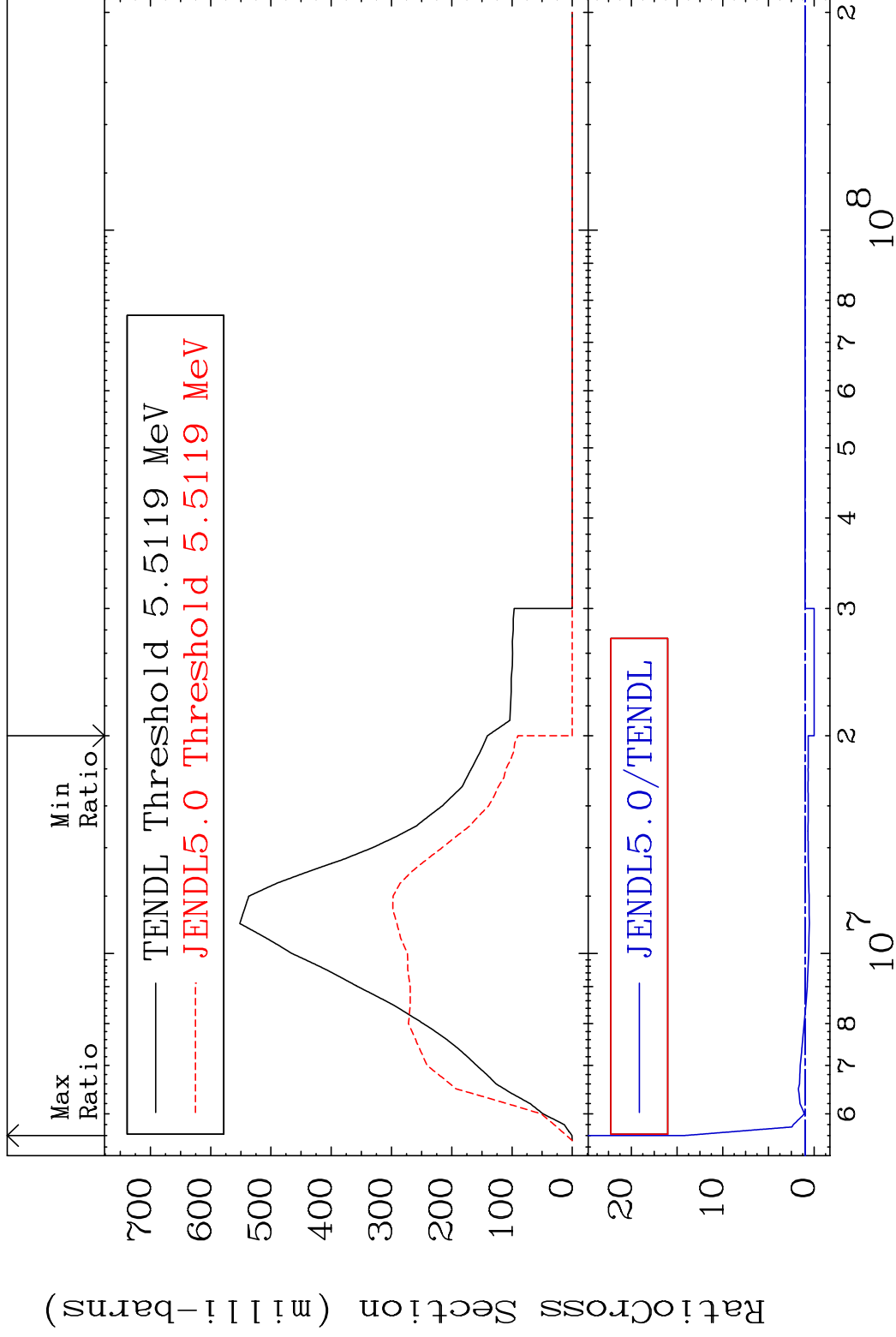
95-Am-242m

MAT 9547

(n,2n)

95-Am-242m

Cross Section -100.0 To 1327. %



5

Incident Energy (eV)

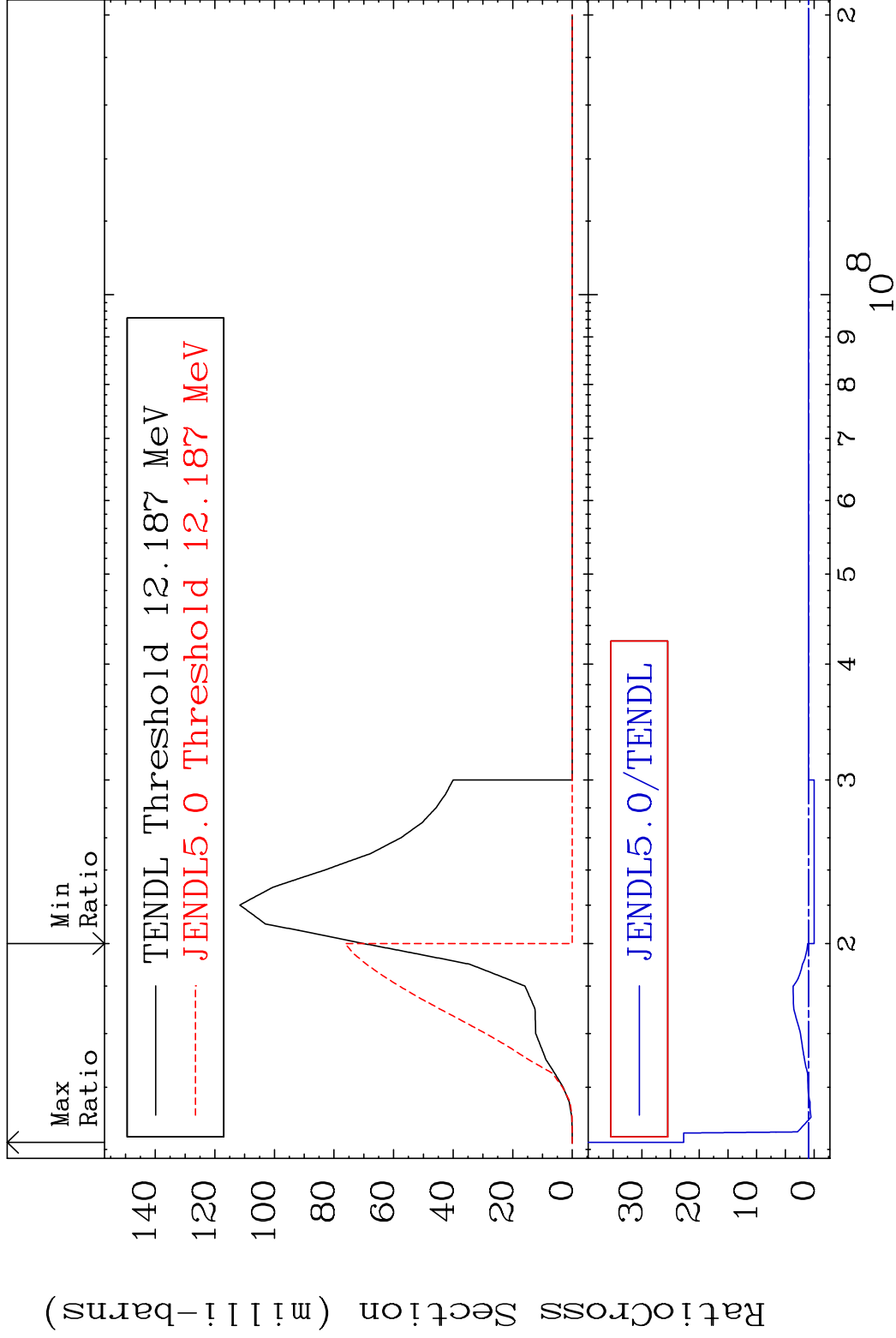
95-Am-242m

MAT 9547

(n,3n)

95-Am-242m

Cross Section -100.0 To 2171. %



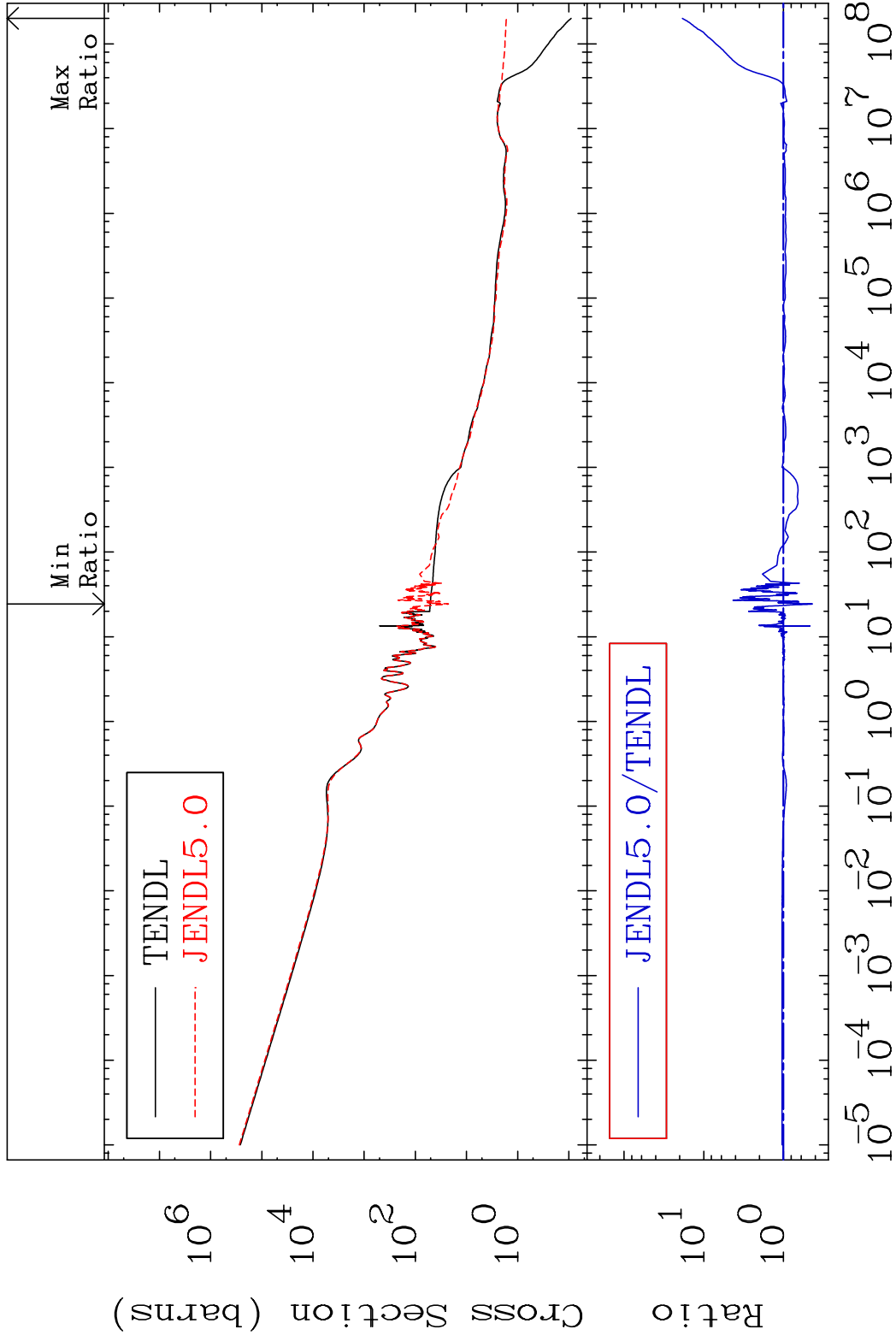
MAT 9547

Fission

95-Am-242m

Cross Section

-56.75 To 1753. %



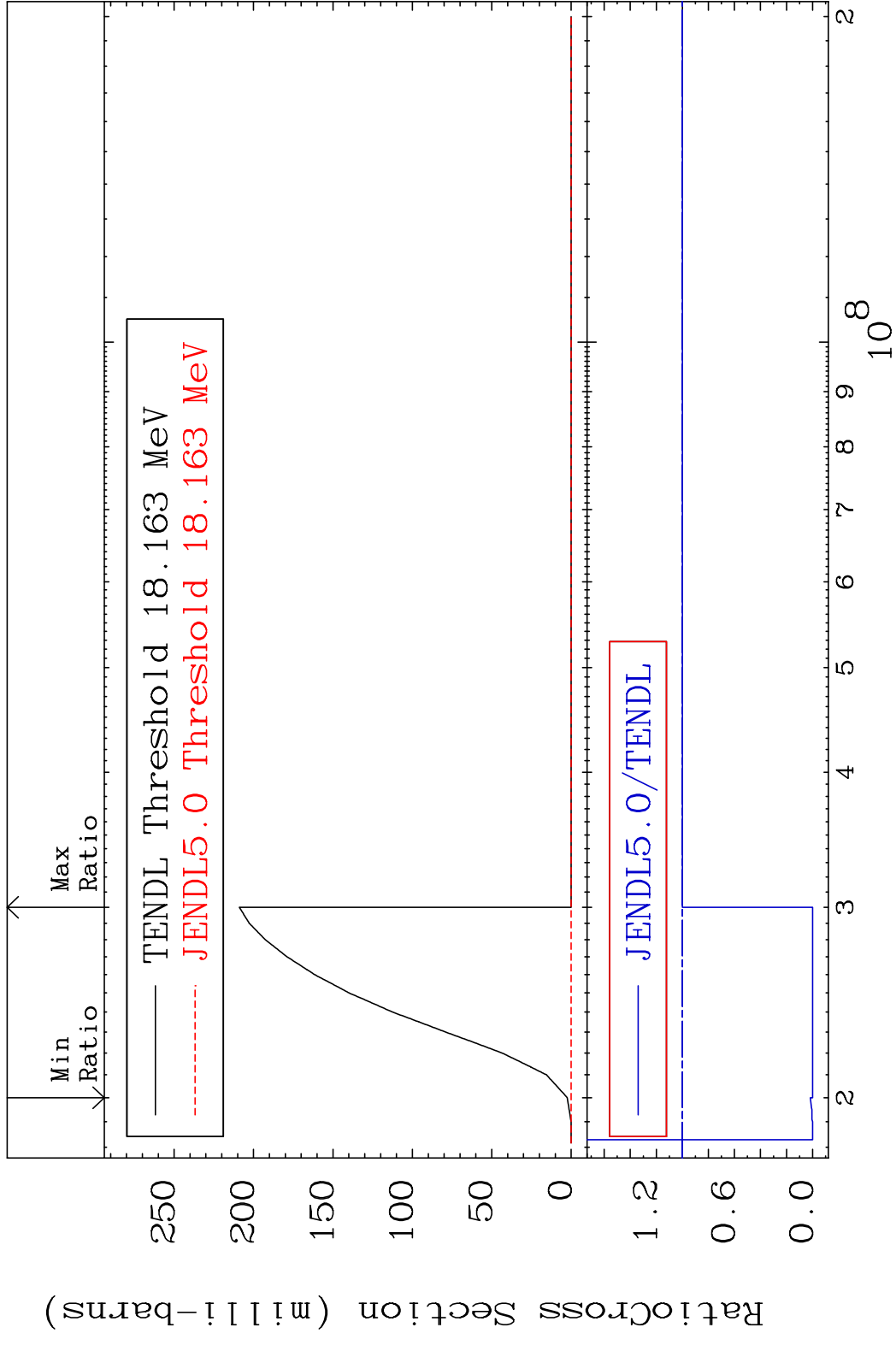
7

Incident Energy (eV)

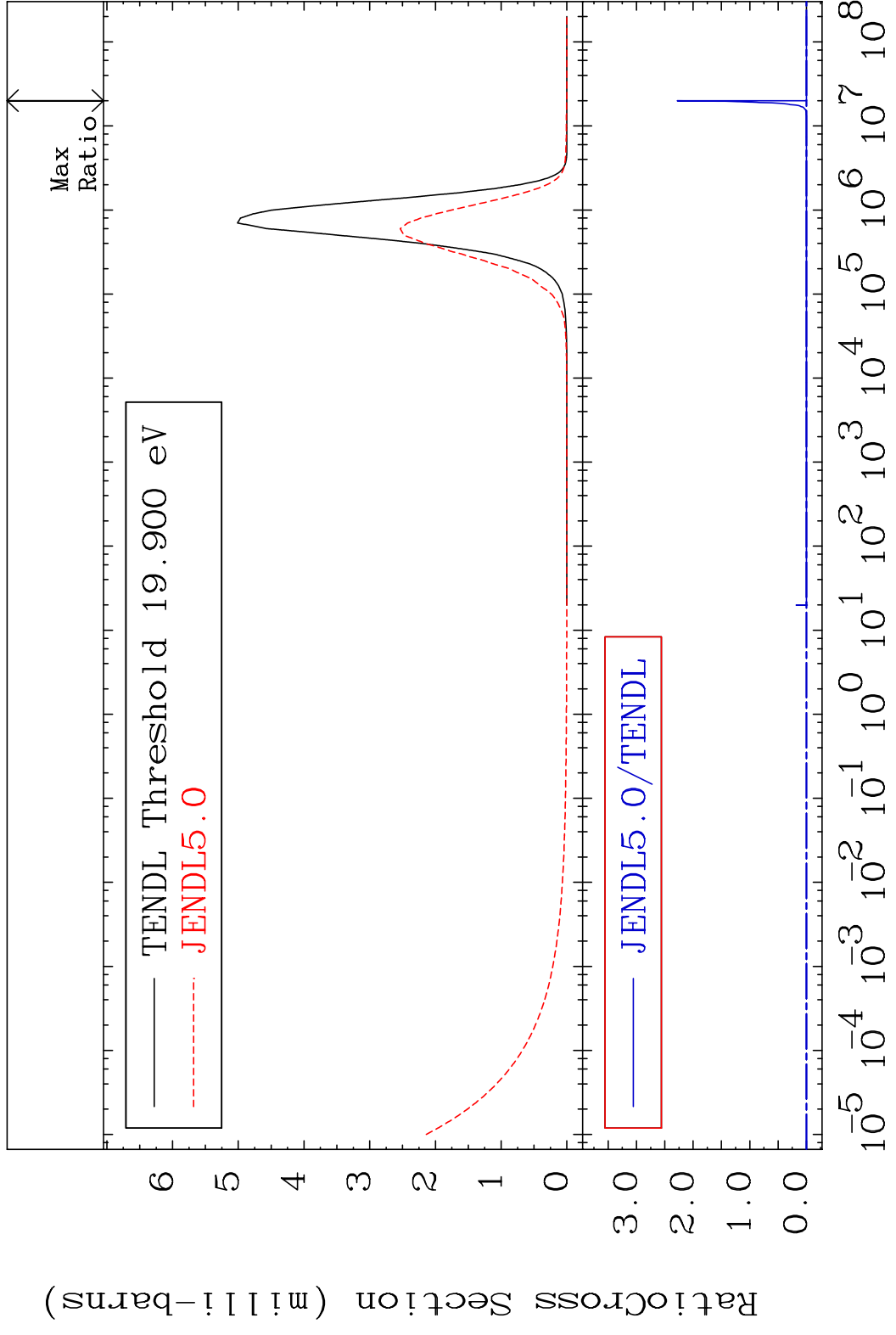
95-Am-242m



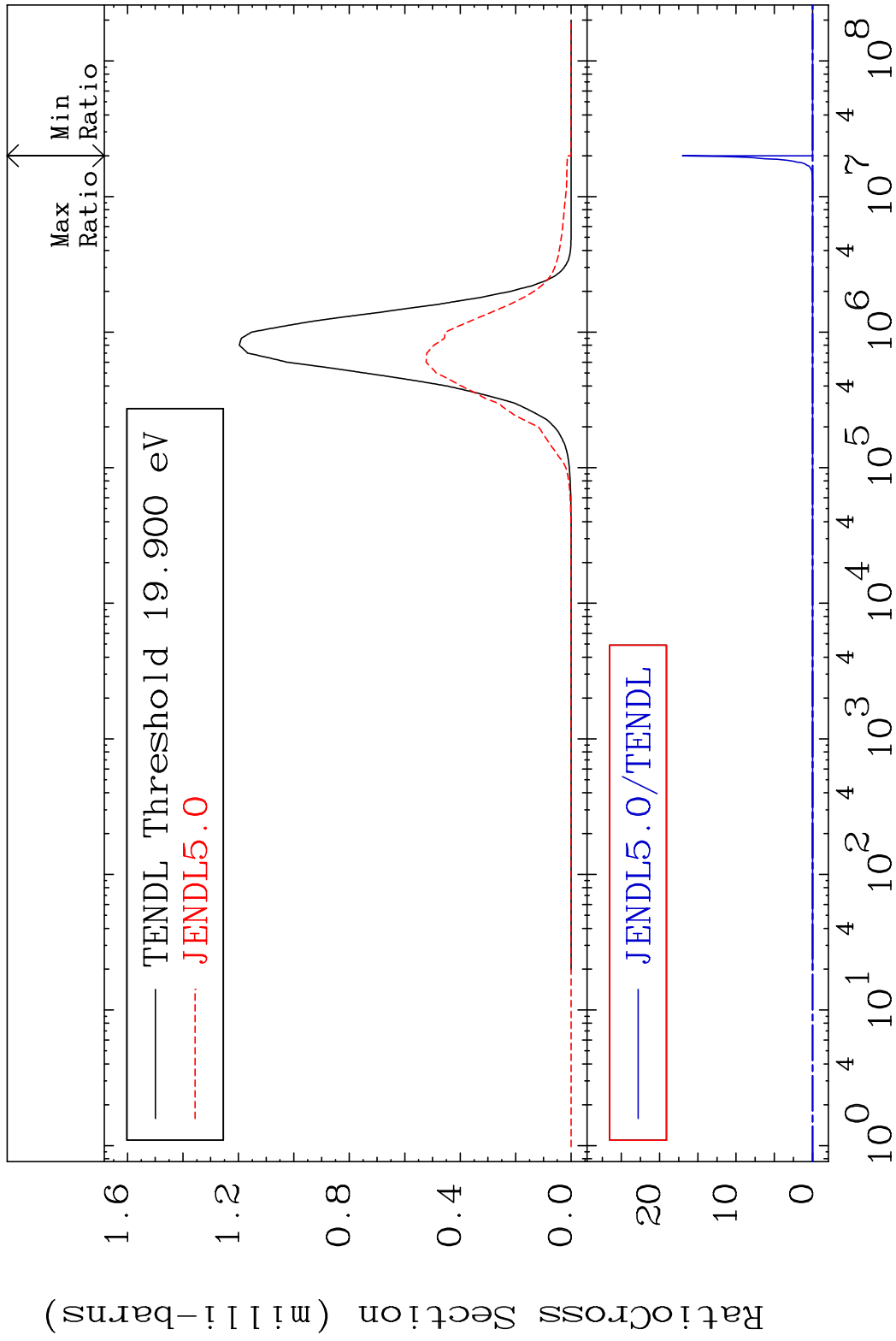
MAT 9547 (n,4n) 95-Am-242m  
 Cross Section -100.0 To 0.000 %



MAT 9547 MT= 51 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



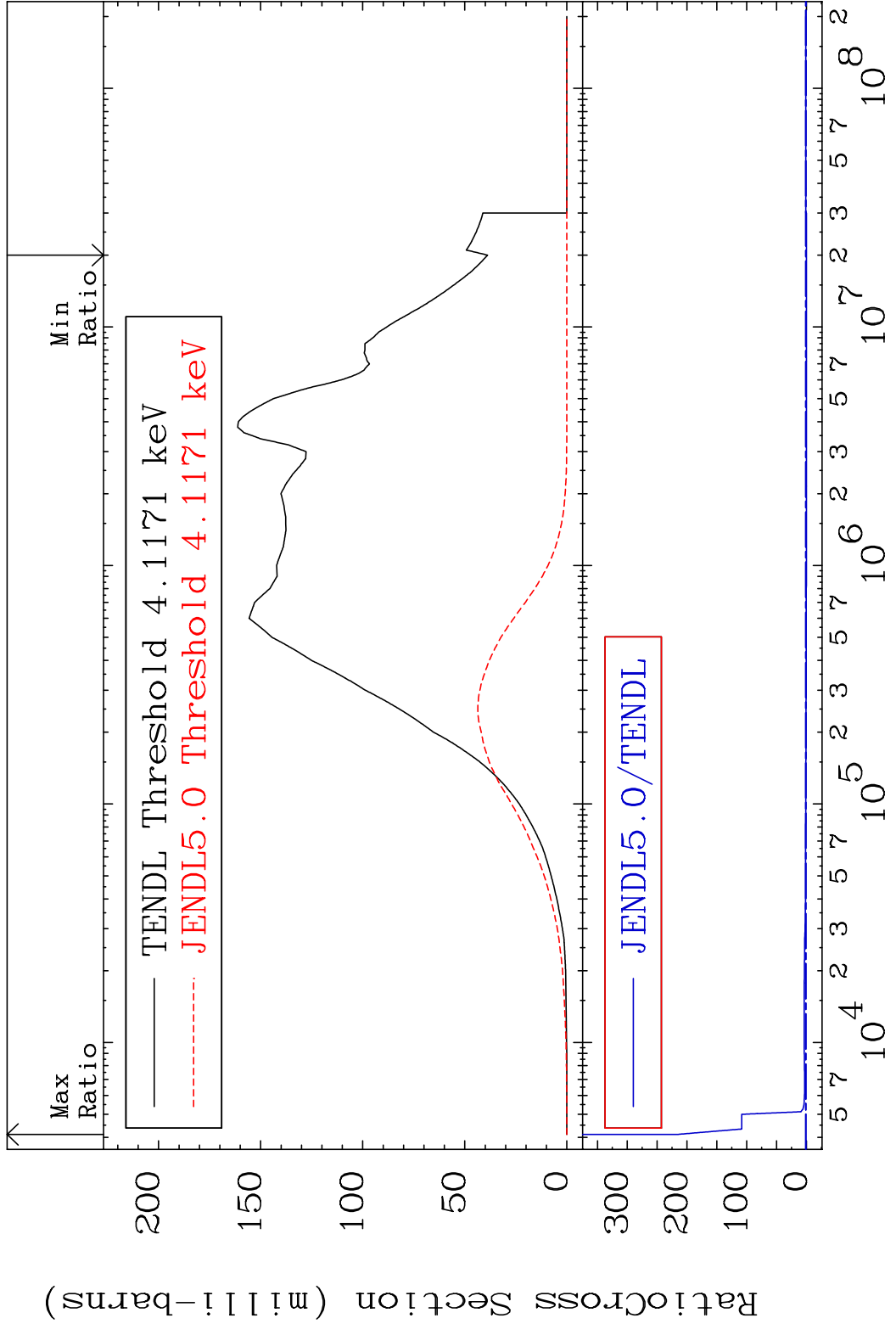
MAT 9547 MT= 52 (n,n') Level 95-Am-242m  
Cross Section -100.0 To 9999. %



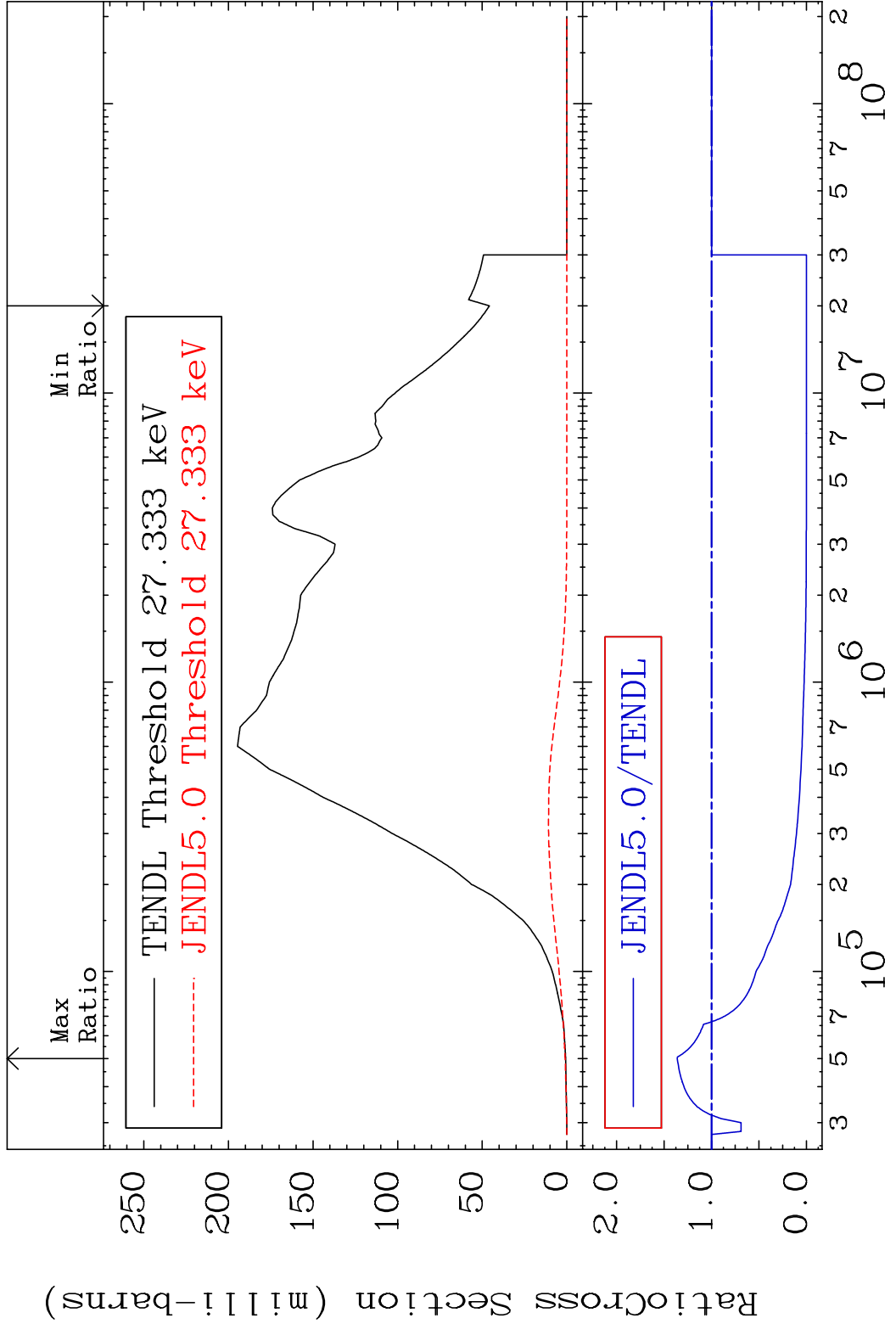
10 20 10 0 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>4</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>4</sup> 10<sup>6</sup> 10<sup>4</sup> 10<sup>4</sup> 10<sup>7</sup> 10<sup>4</sup> 10<sup>8</sup>

95-Am-242m

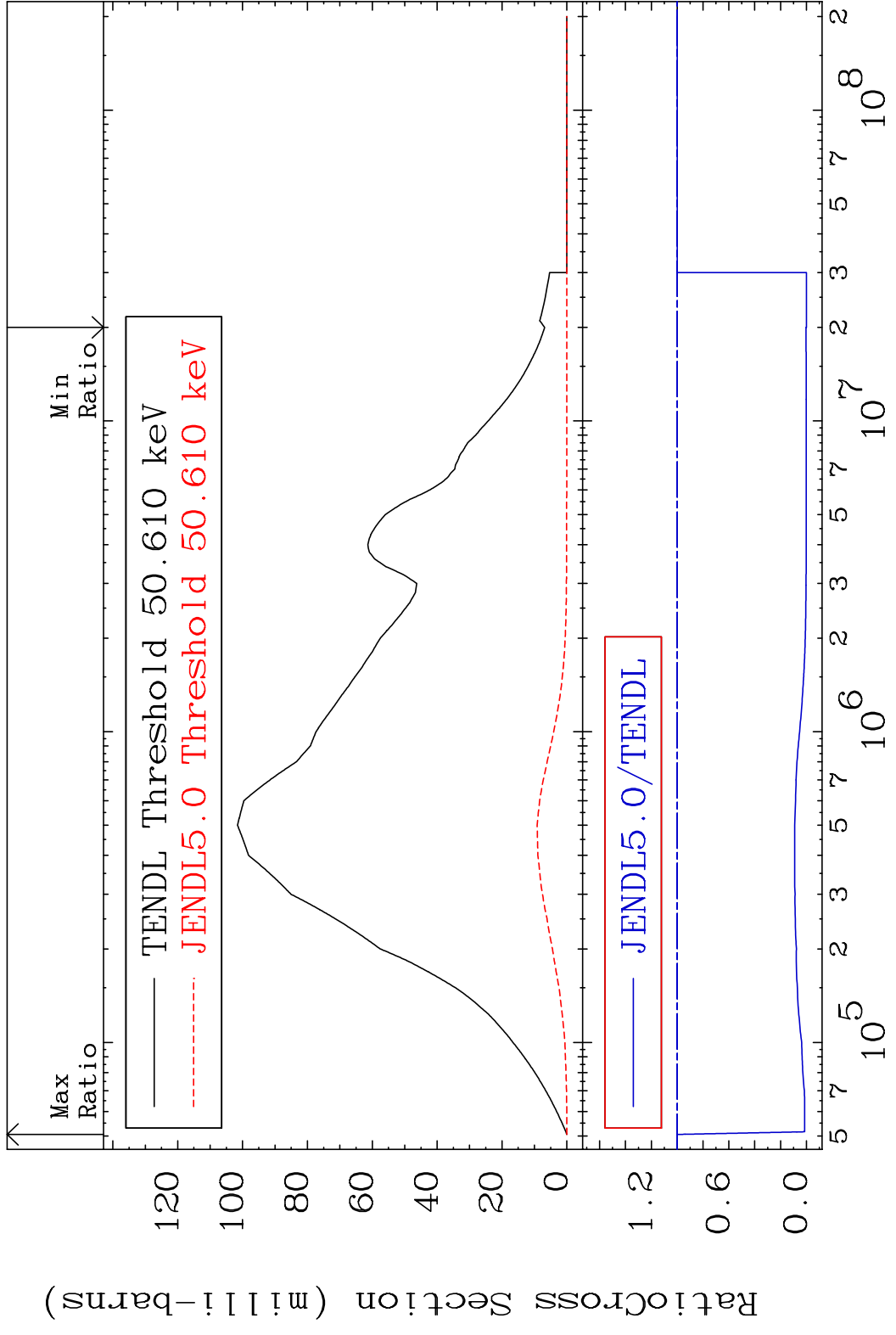
MAT 9547 MT= 53 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



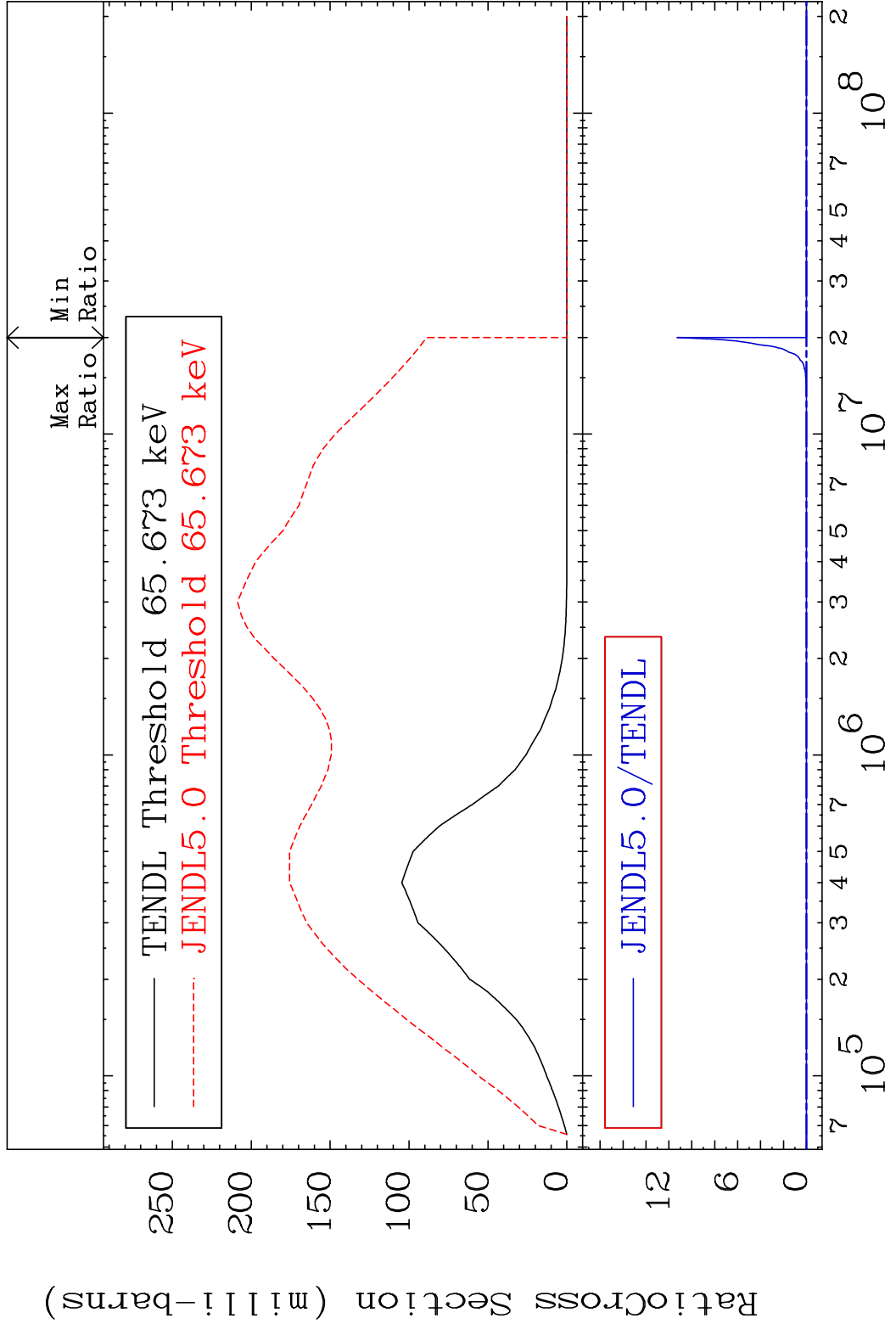
MAT 9547 MT= 54 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 36.18 %



MAT 9547 MT= 55 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 0.000 %

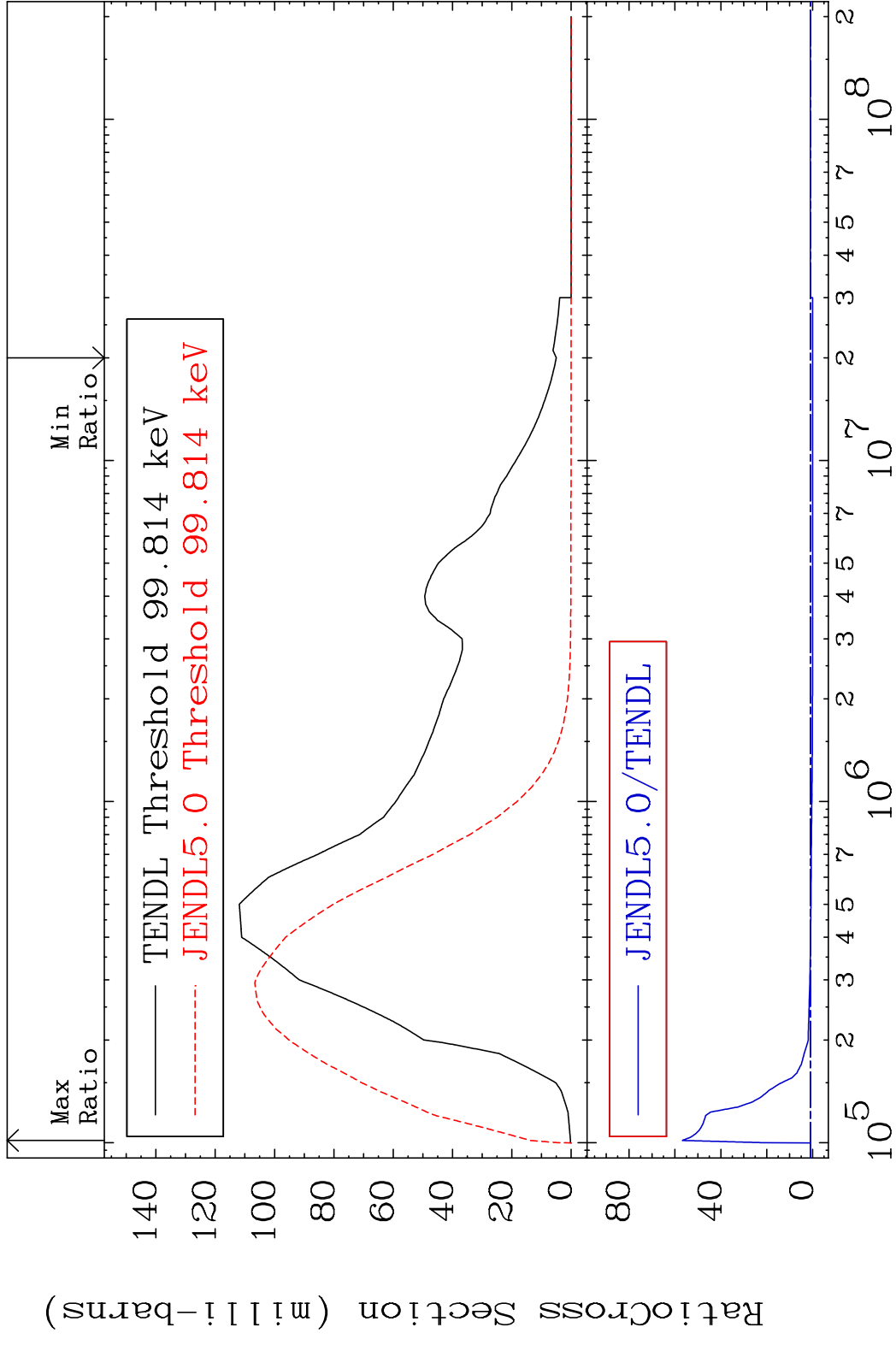


MAT 9547 MT= 56 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



14 Incident Energy (eV) 95-Am-242m

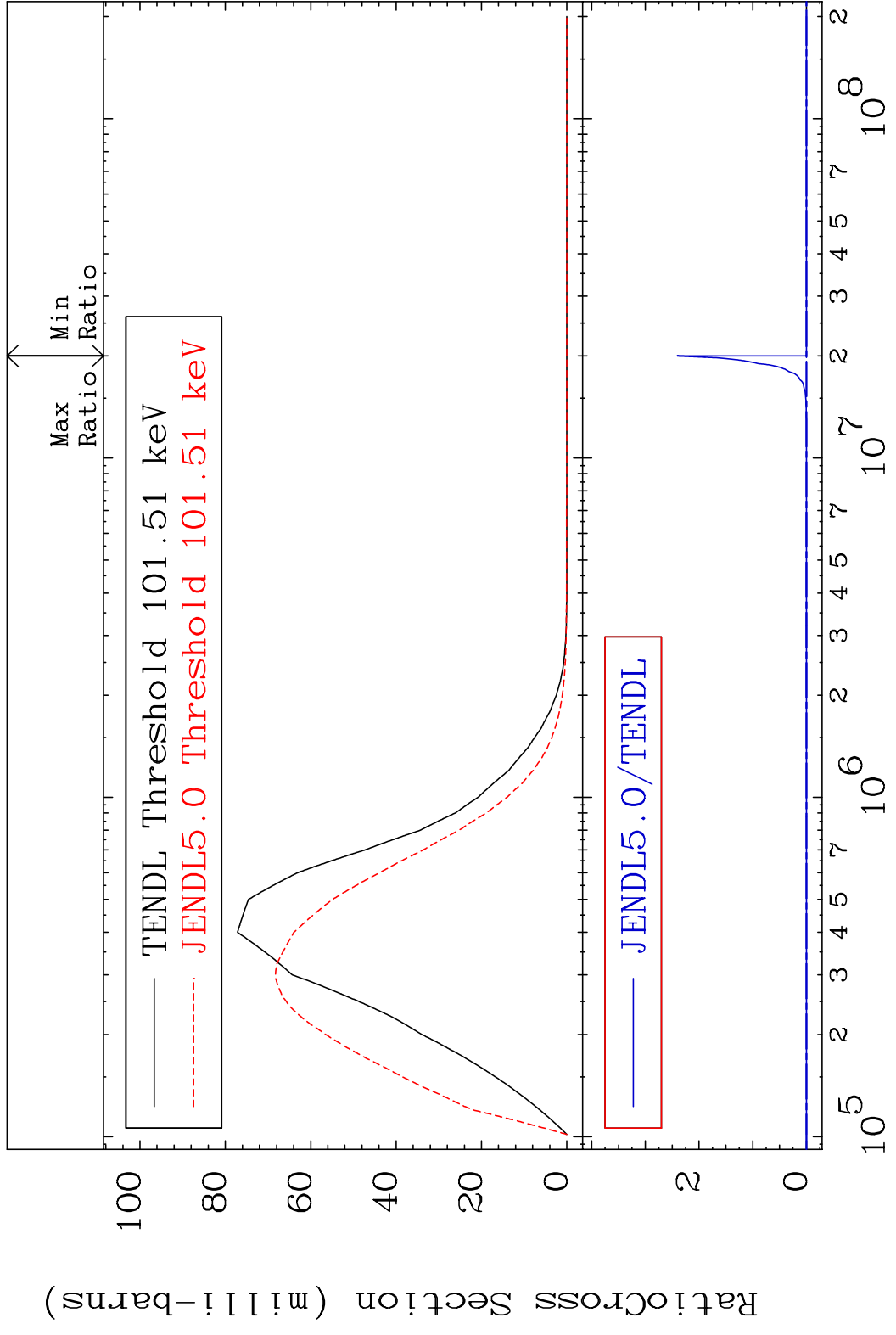
MAT 9547 MT= 57 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 5578. %



15 15 Incident Energy (eV) 95-Am-242m

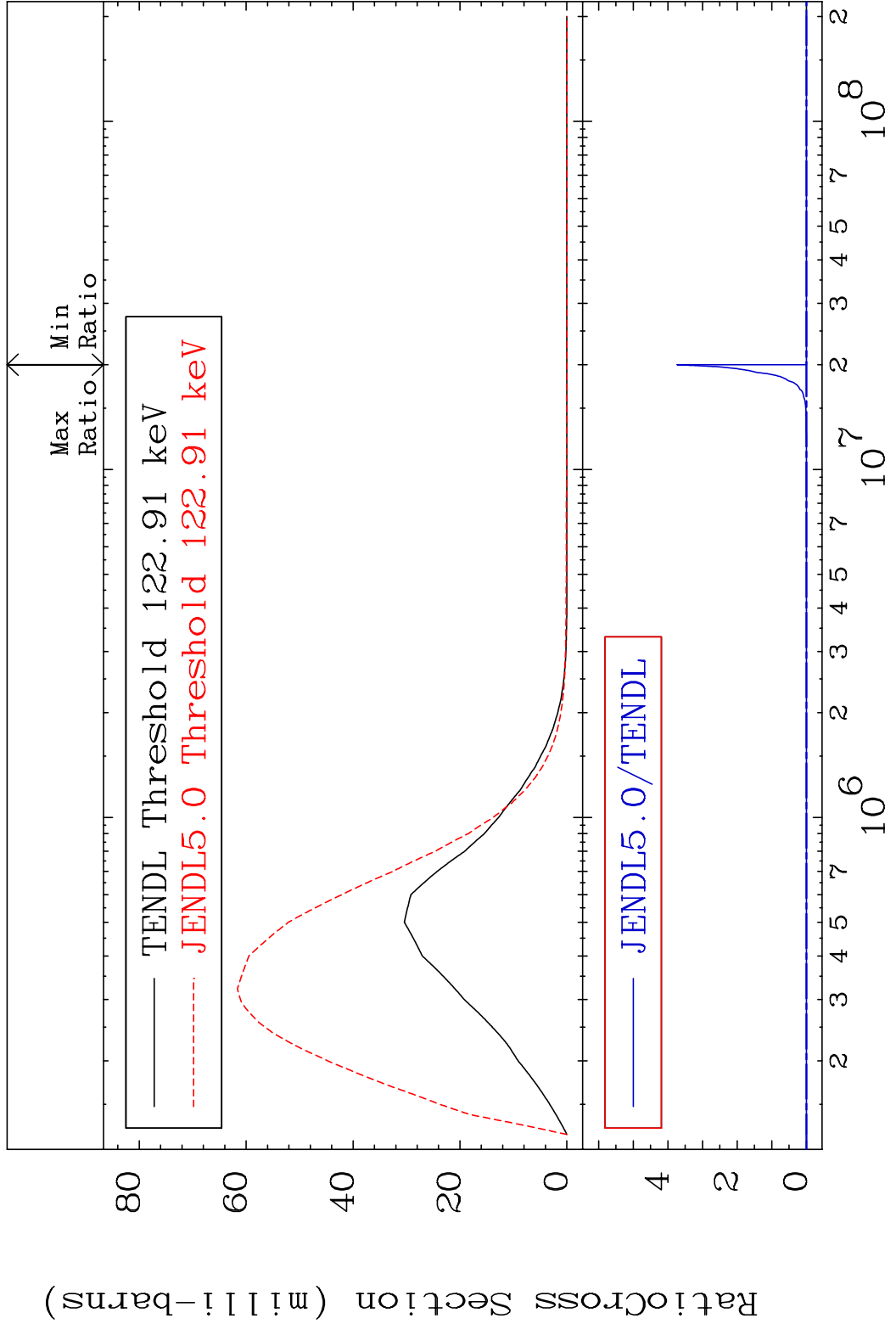


MAT 9547 MT= 58 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %

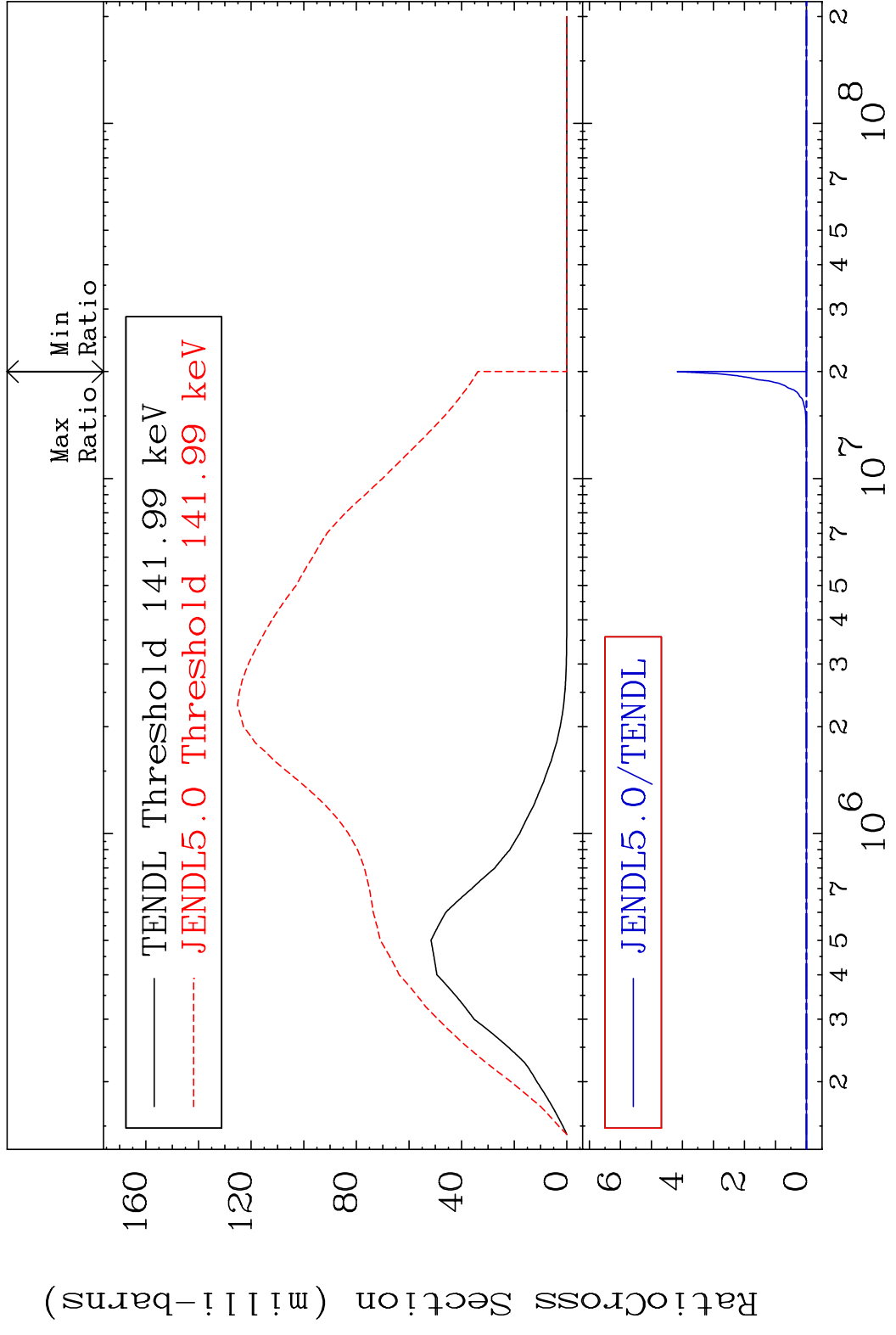


16 Incident Energy (eV) 95-Am-242m

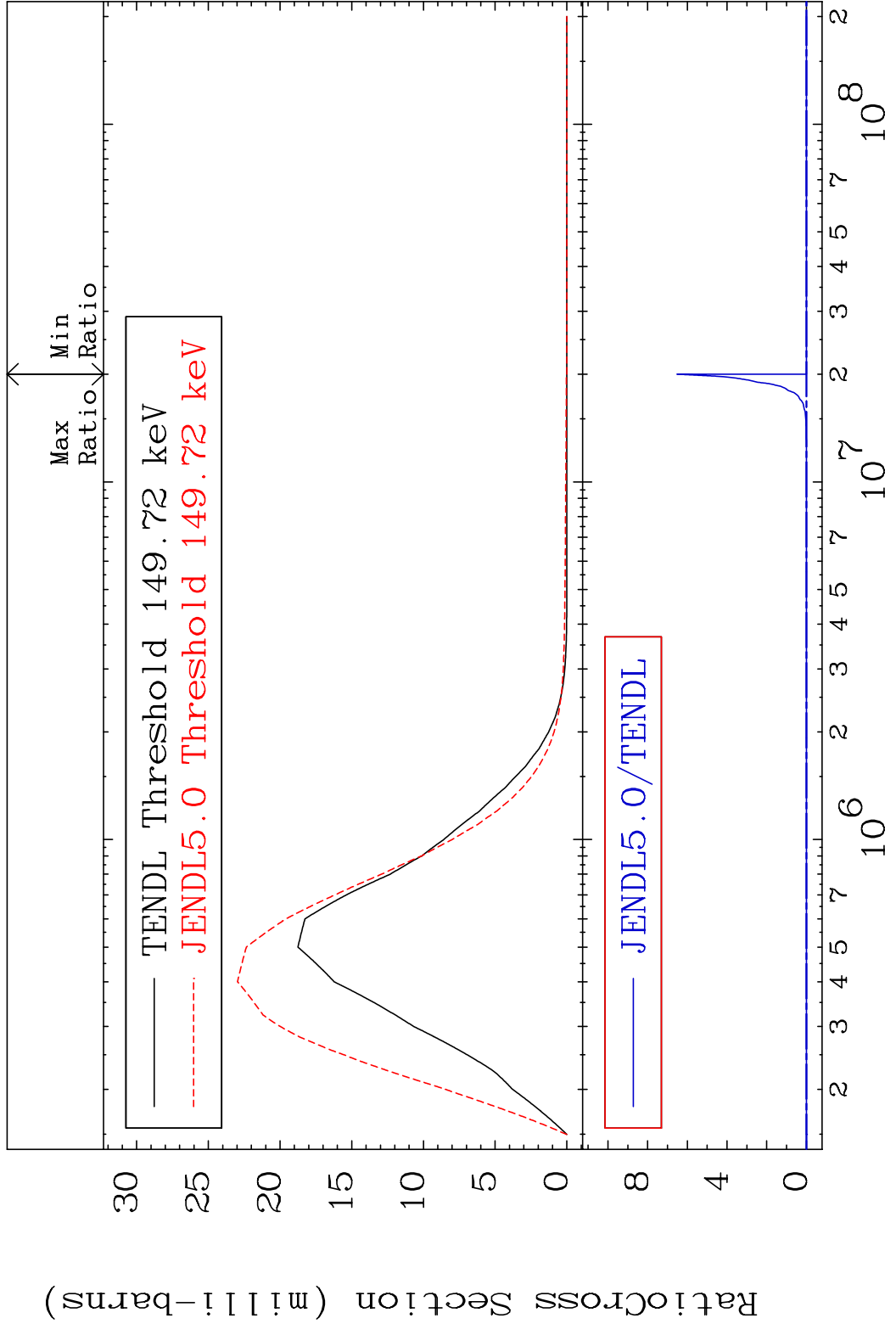
MAT 9547 MT= 59 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



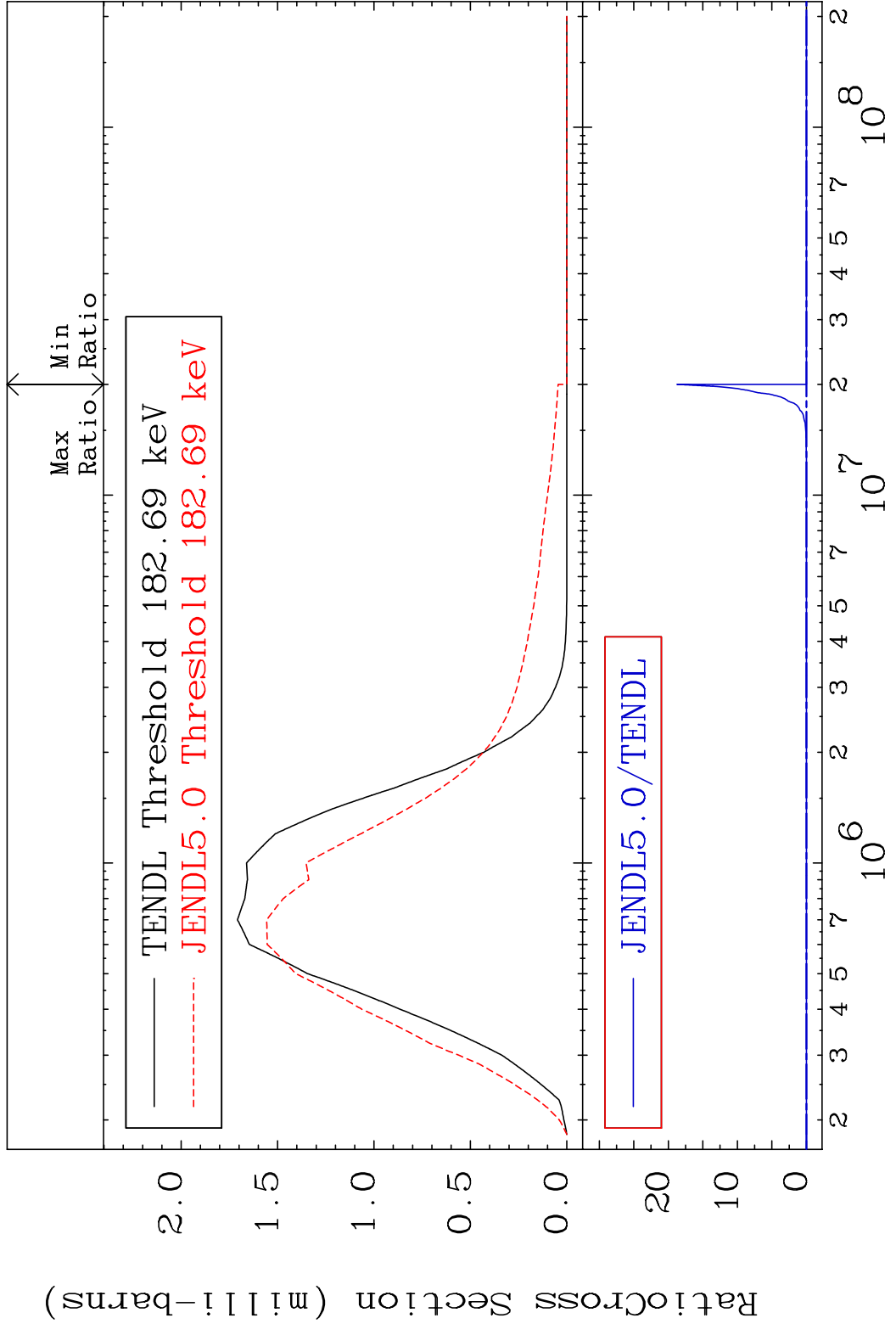
MAT 9547 MT= 60 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 61 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %

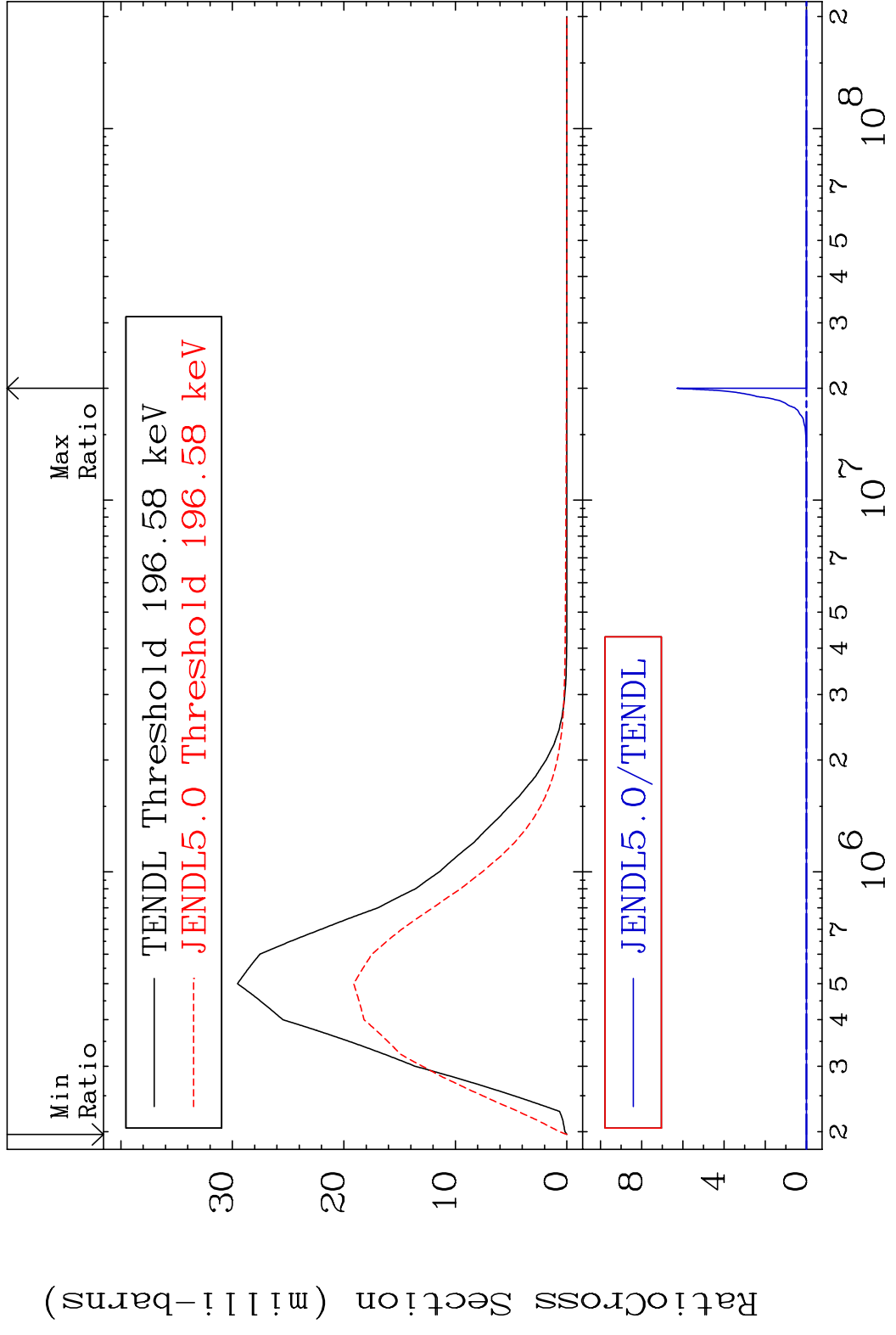


MAT 9547 MT= 62 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %

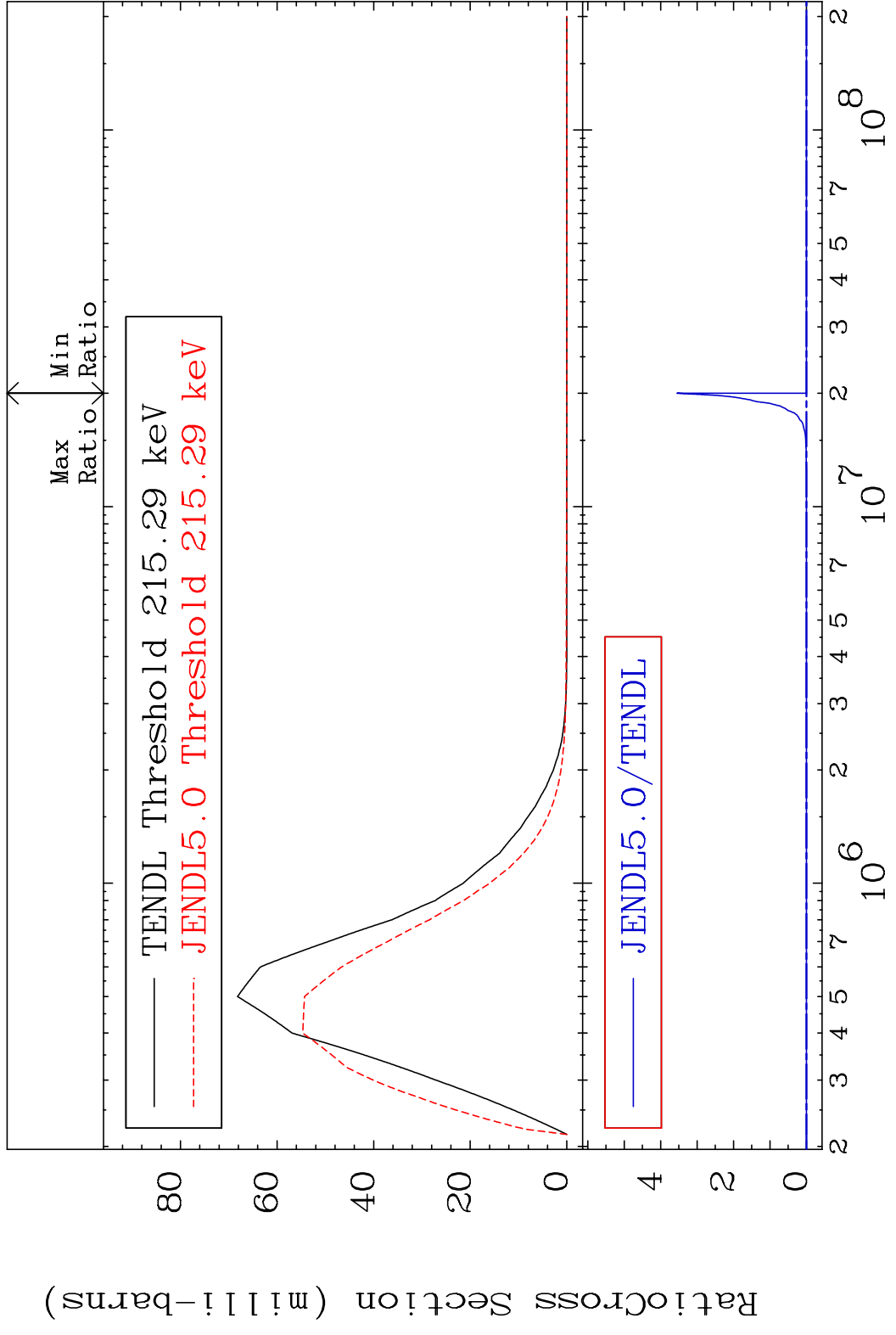


20 Incident Energy (eV) 95-Am-242m

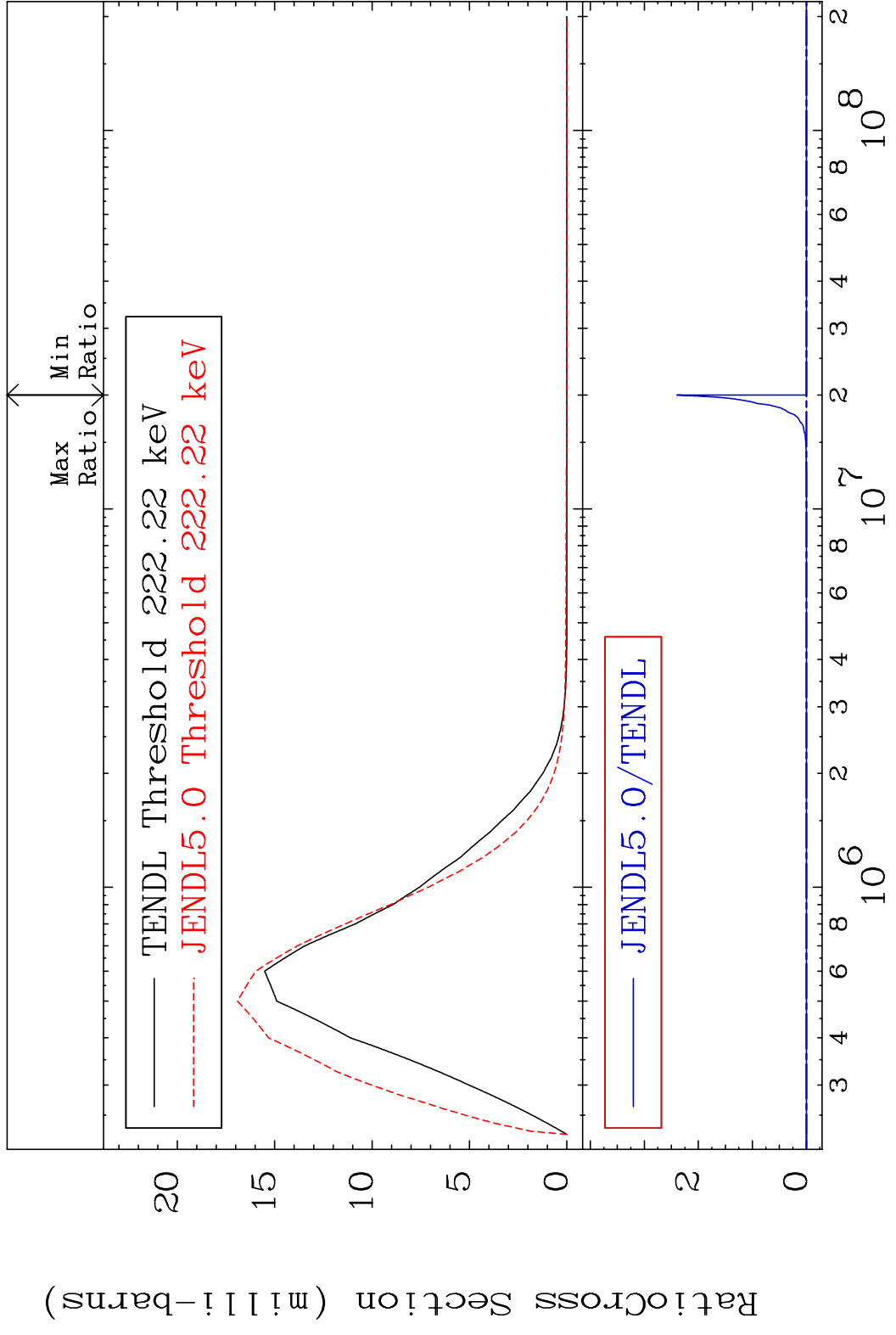
MAT 9547 MT= 63 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 64 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %

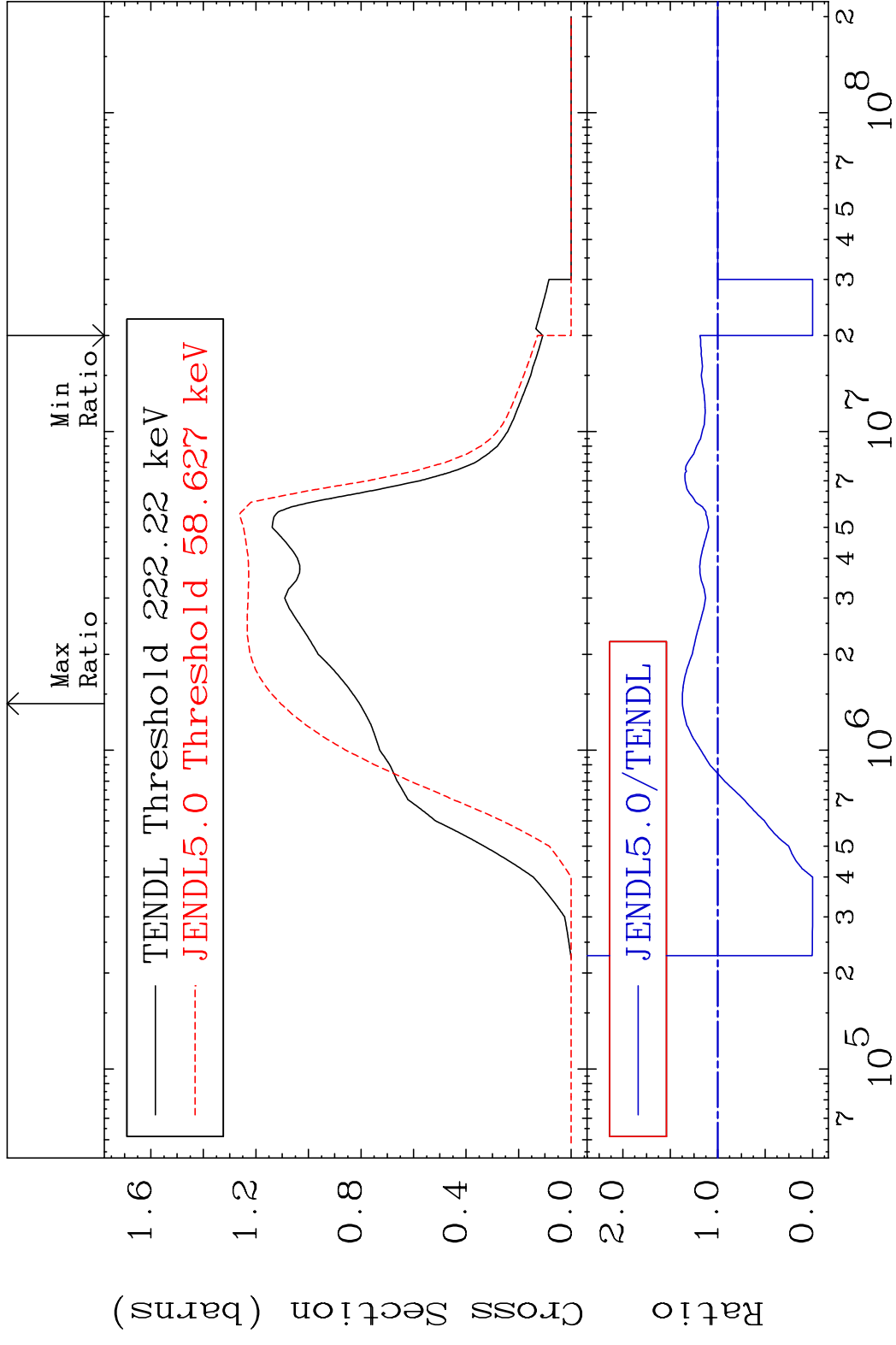


MAT 9547 MT= 65 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %





MAT 9547 (n, n') Continuum 95-Am-242m  
 Cross Section -100.0 To 37.30 %

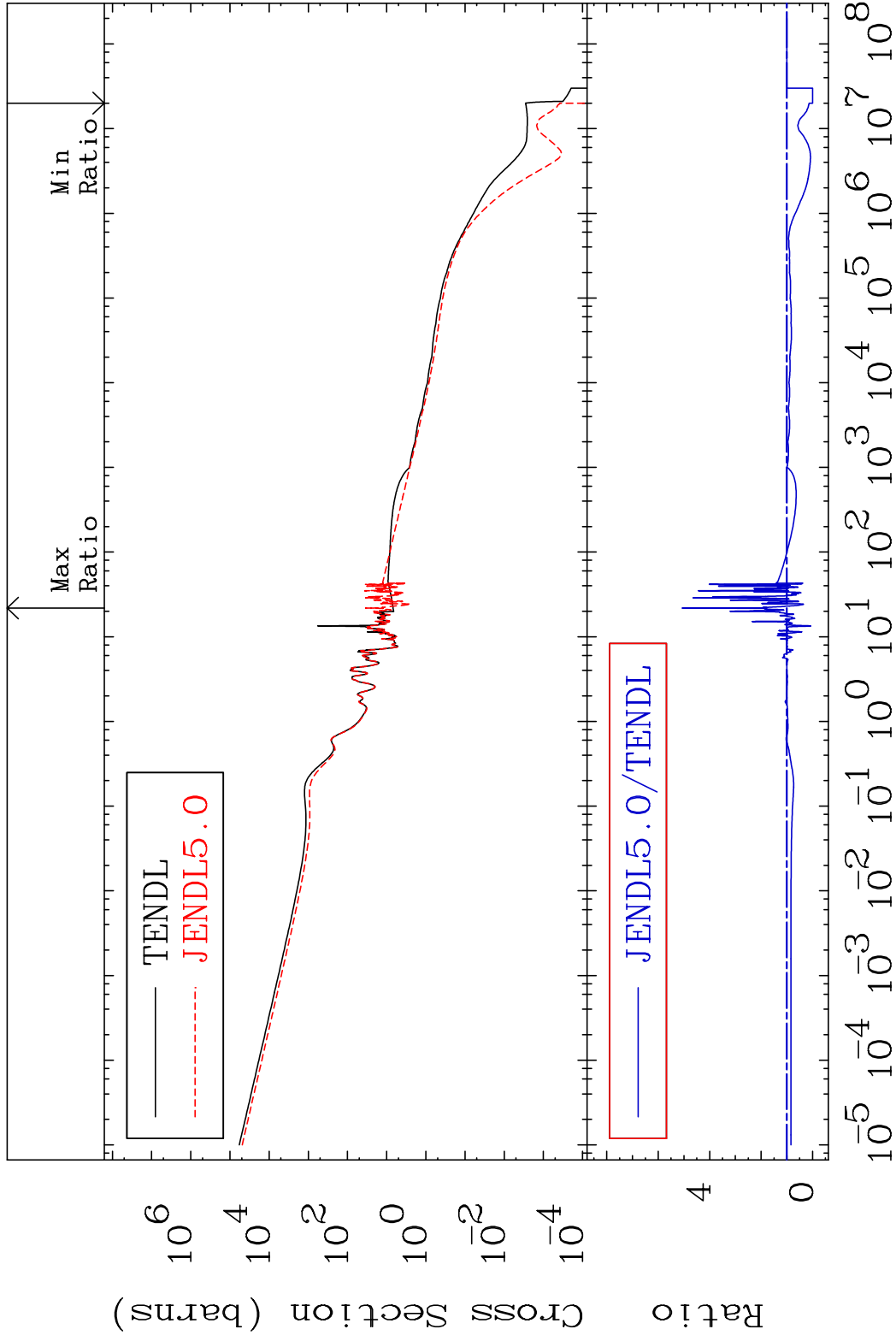


MAT 9547

(n,  $\gamma$ )

95-Am-242m

Cross Section -100.0 To 406.1 %



25

Incident Energy (eV)

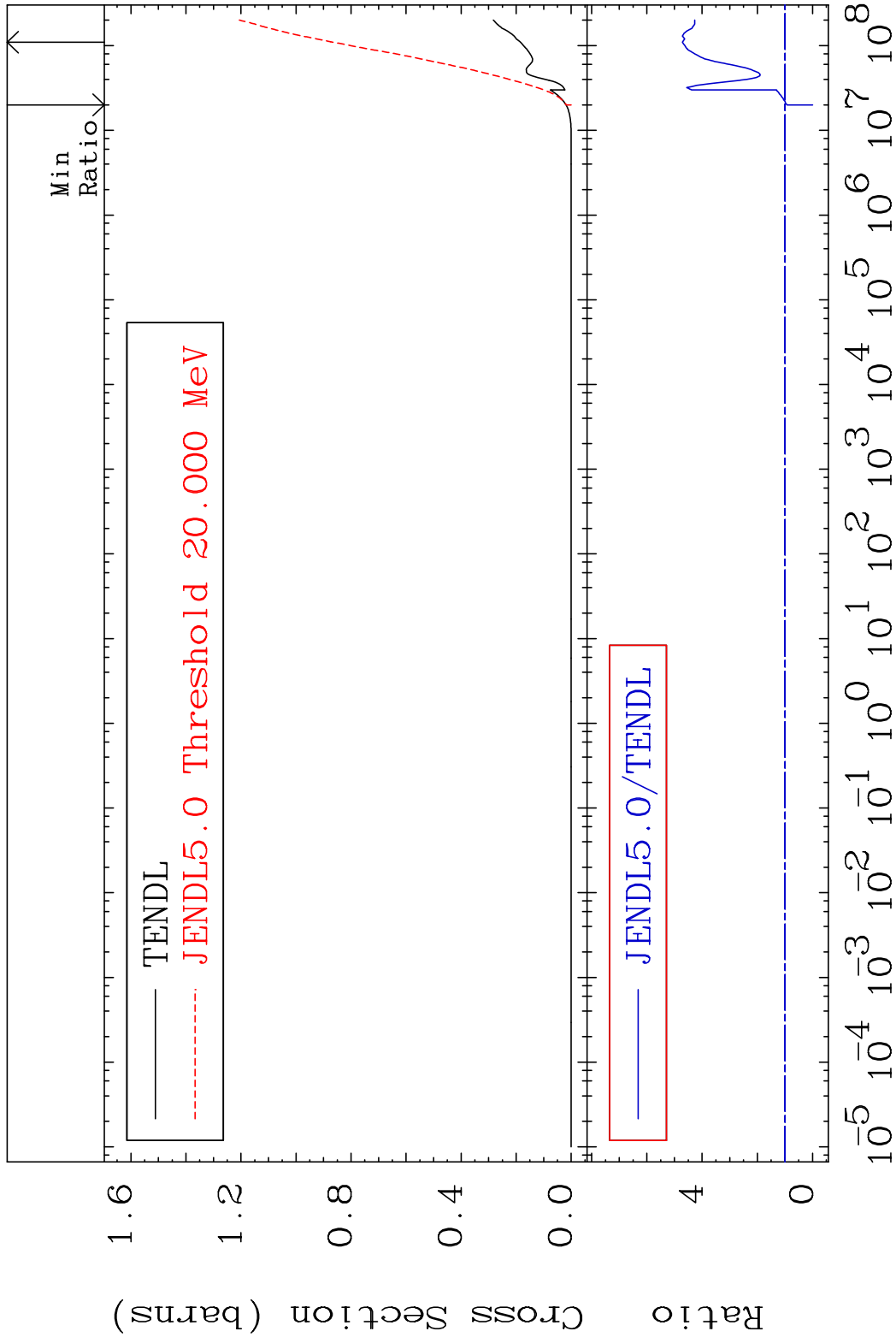
95-Am-242m

MAT 9547

Hydrogen Production

95-Am-242m

Cross Section -100.0 To 371.5 %



26

Incident Energy (eV)

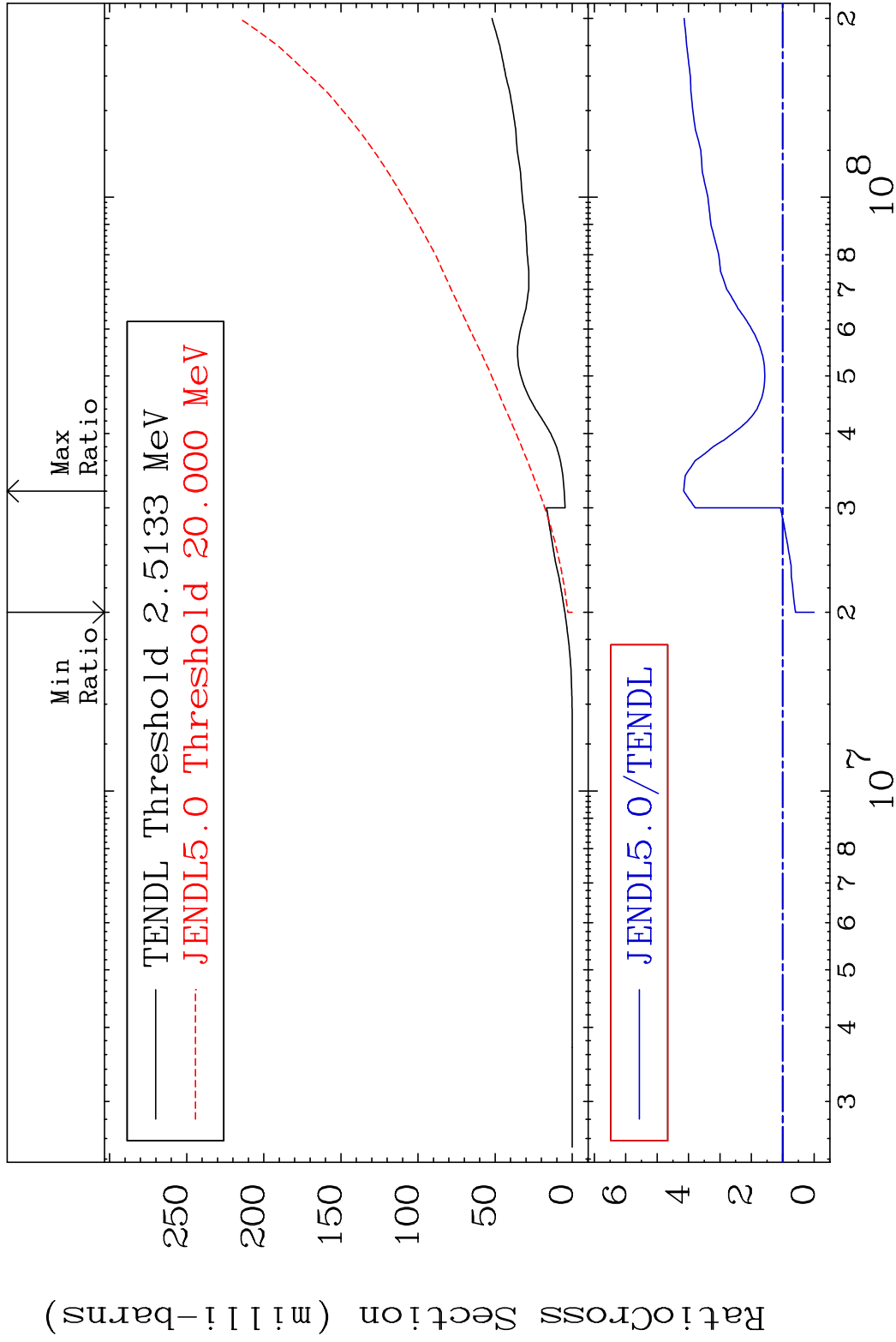
95-Am-242m

MAT 9547

Deuterium Production

95-Am-242m

Cross Section -100.0 To 315.6 %



27

Incident Energy (eV)

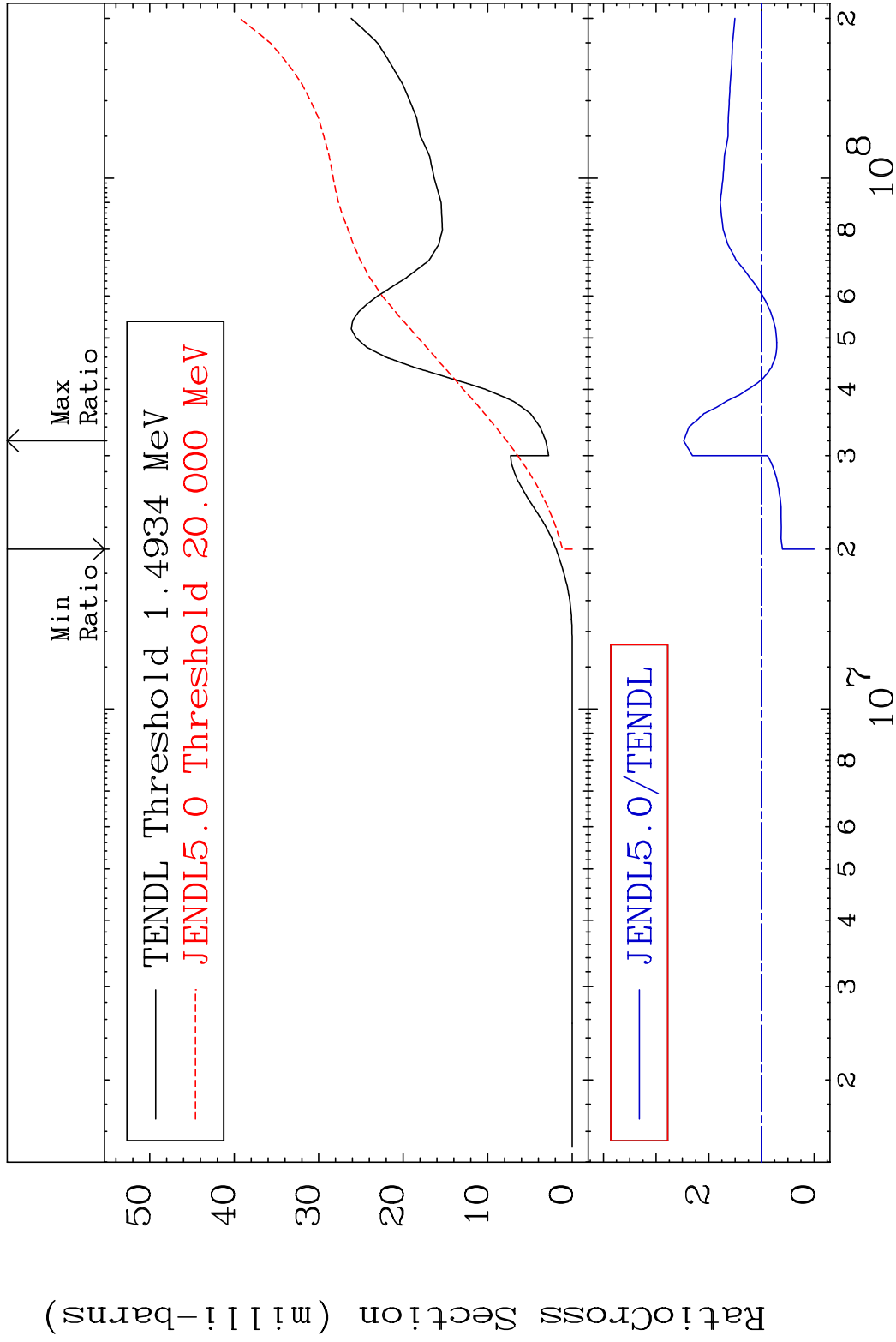
95-Am-242m

MAT 9547

Tritium Production

95-Am-242m

Cross Section -100.0 To 147.7 %



28

Incident Energy (eV)

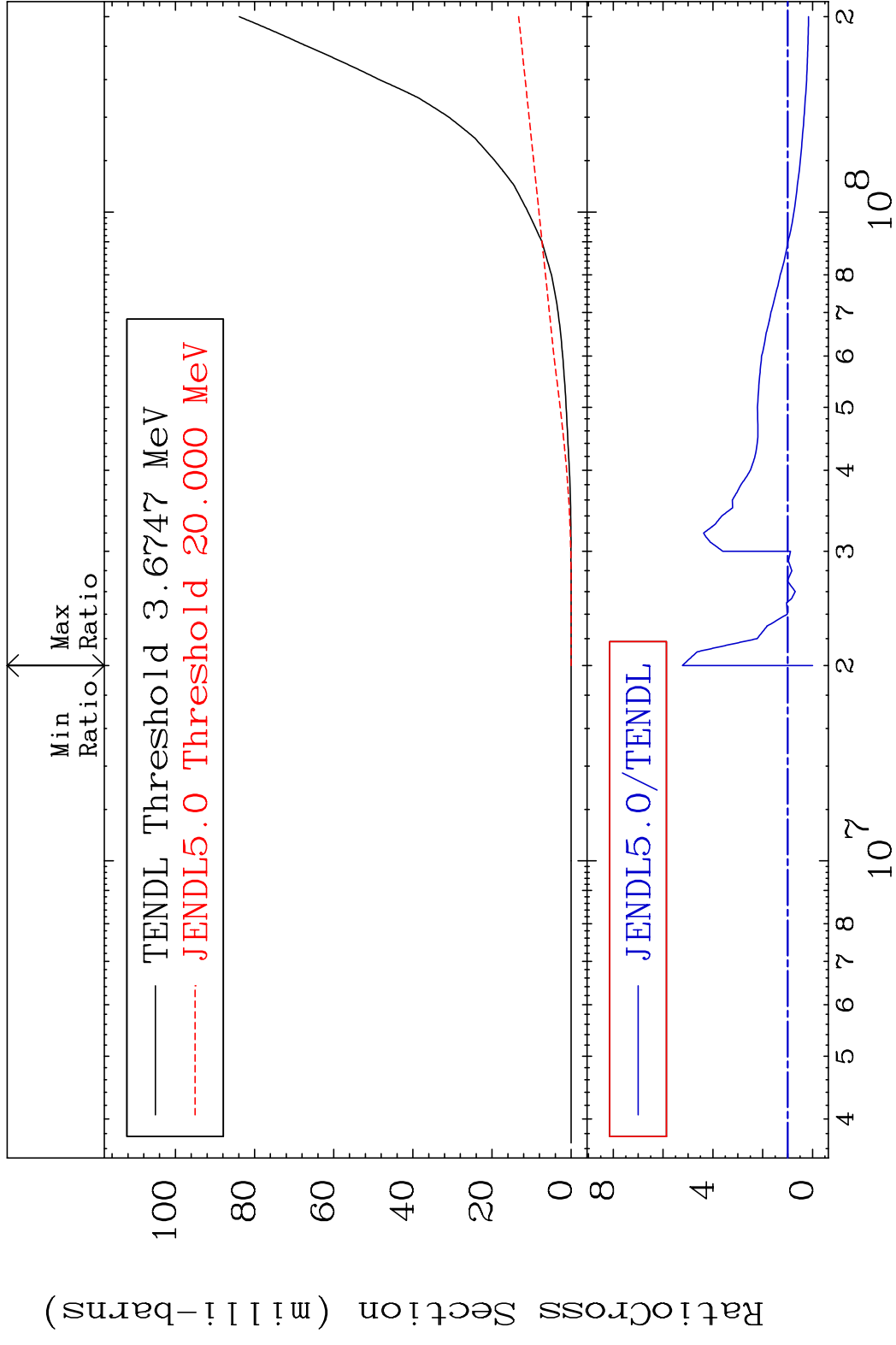
95-Am-242m

MAT 9547

He-3 Production

95-Am-242m

Cross Section -100.0 To 422.7 %

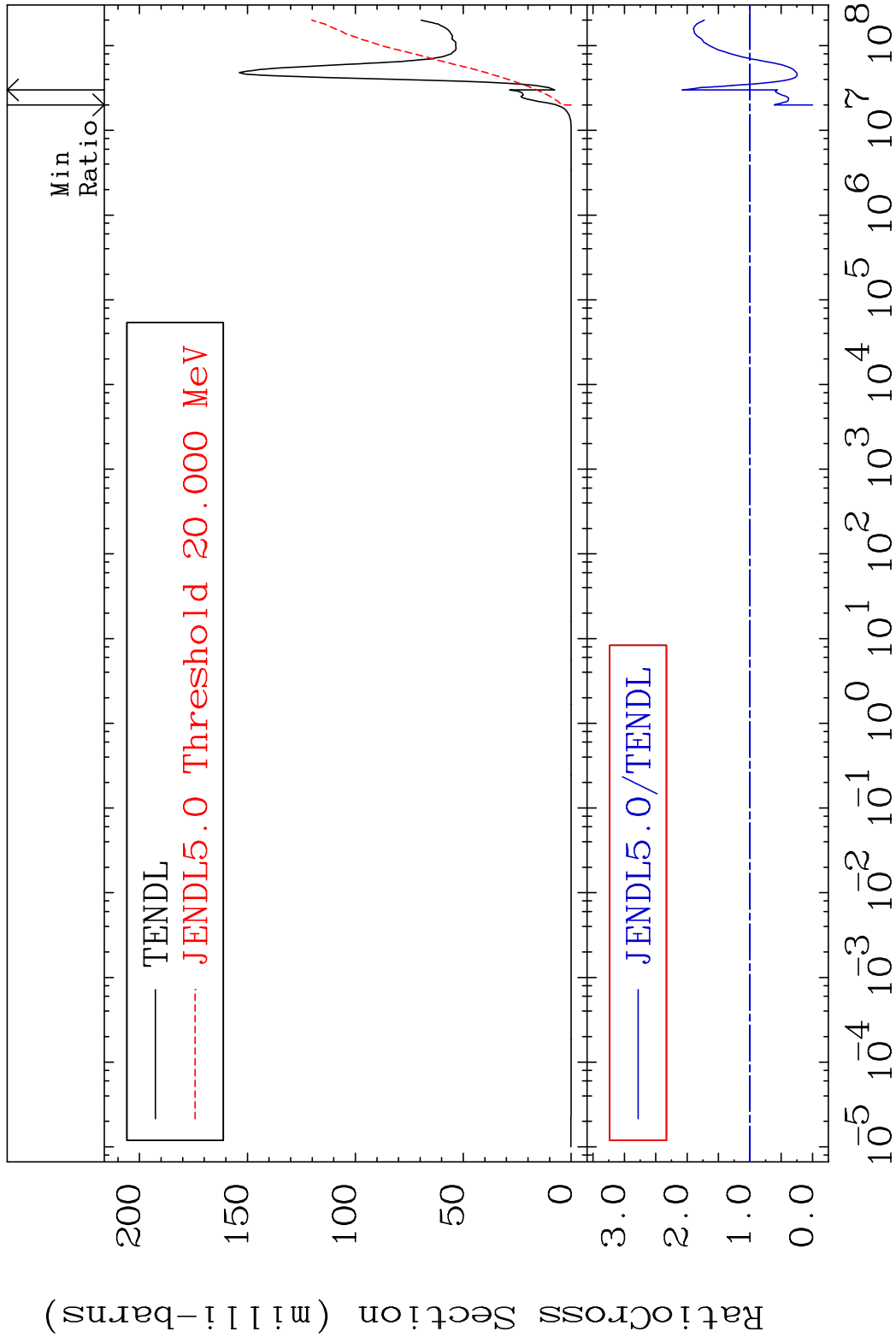


MAT 9547

He-4 Production

95-Am-242m

Cross Section -100.0 To 107.6 %

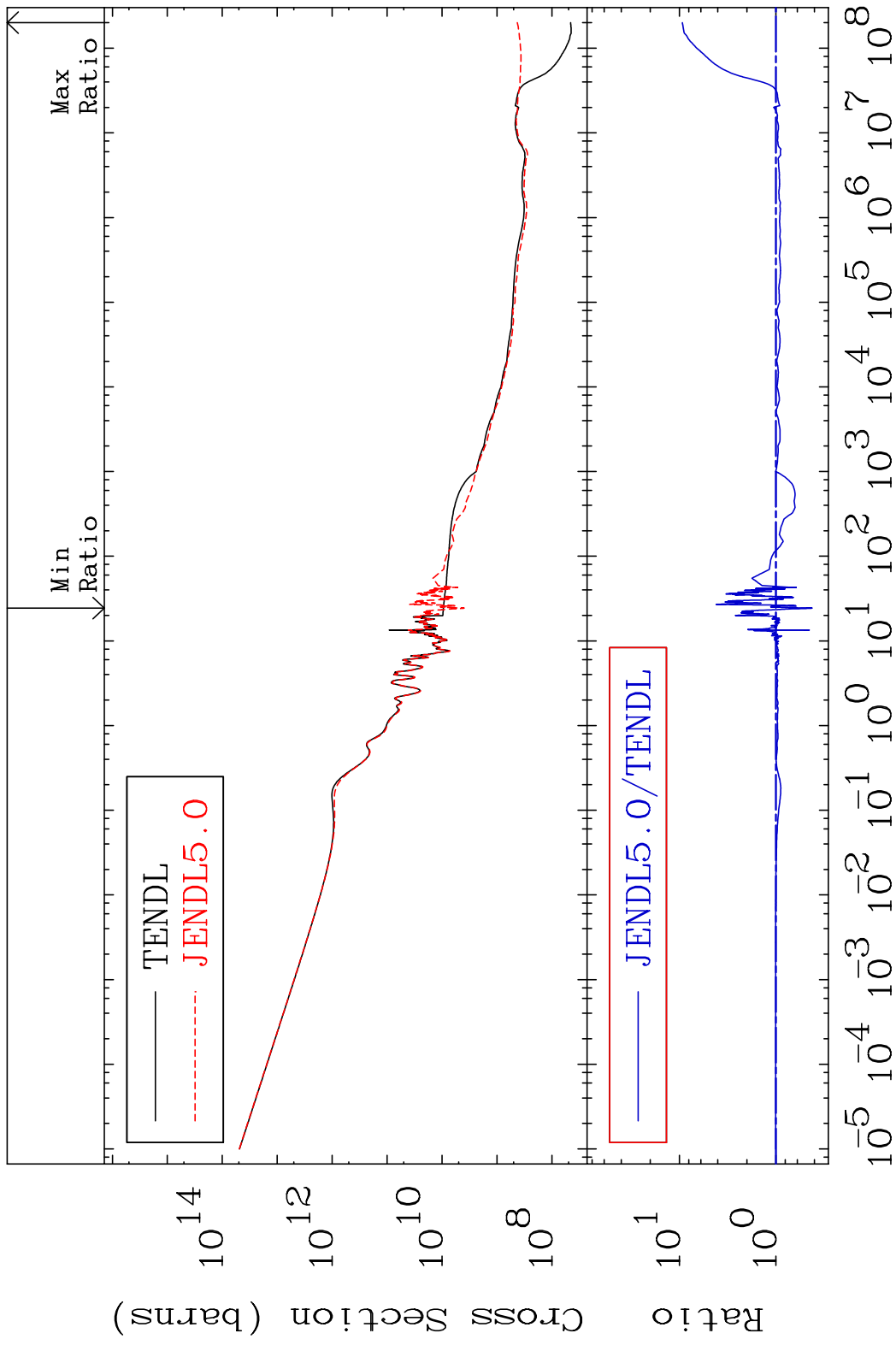


30

Incident Energy (eV)

95-Am-242m

MAT 9547 Kerma total (eV-barns) 95-Am-242m  
Cross Section -58.26 To 830.7 %



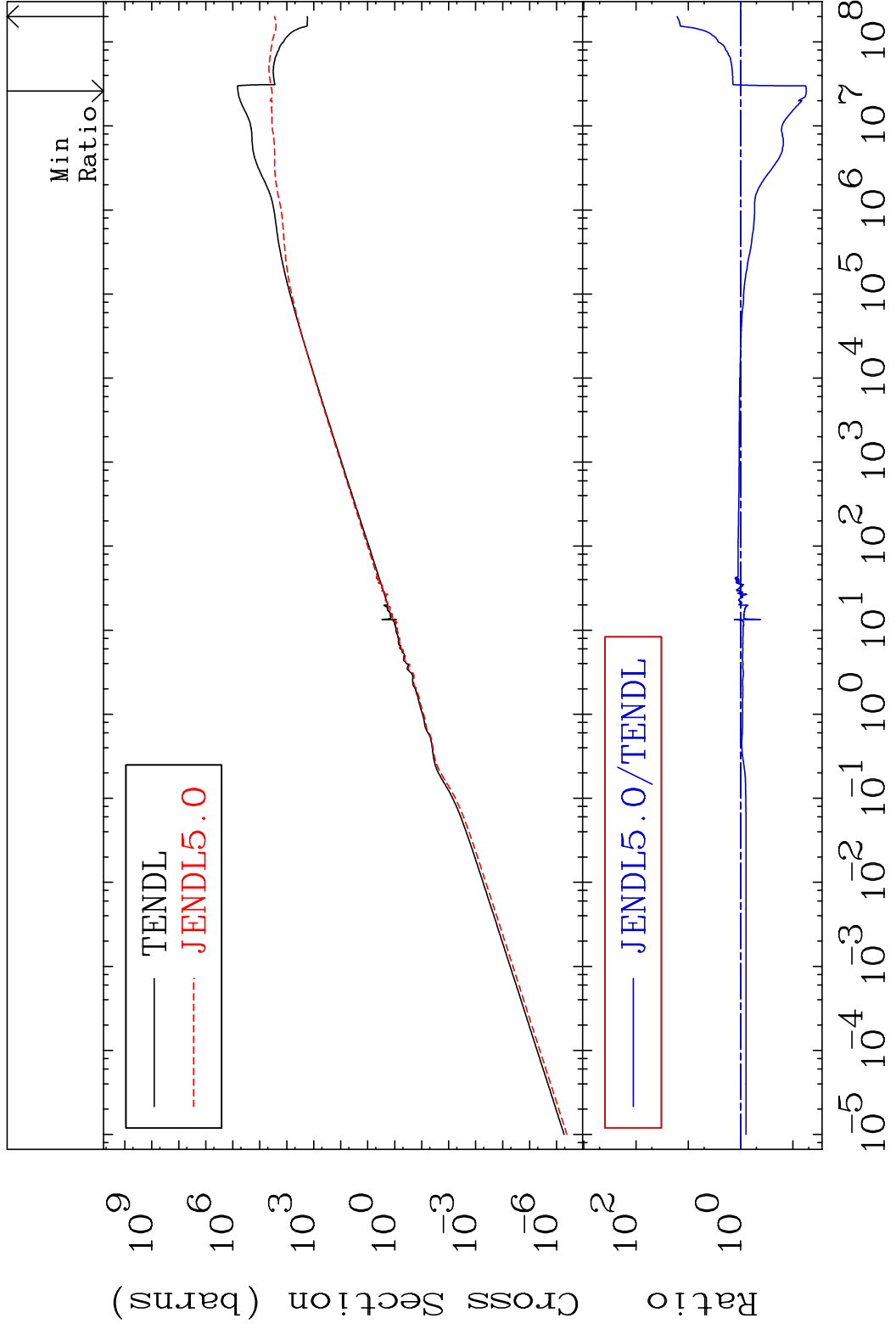
31 Incident Energy (eV) 95-Am-242m



MAT 9547

Kerma elastic  
Cross Section -94.47 To 1535. %

95-Am-242m

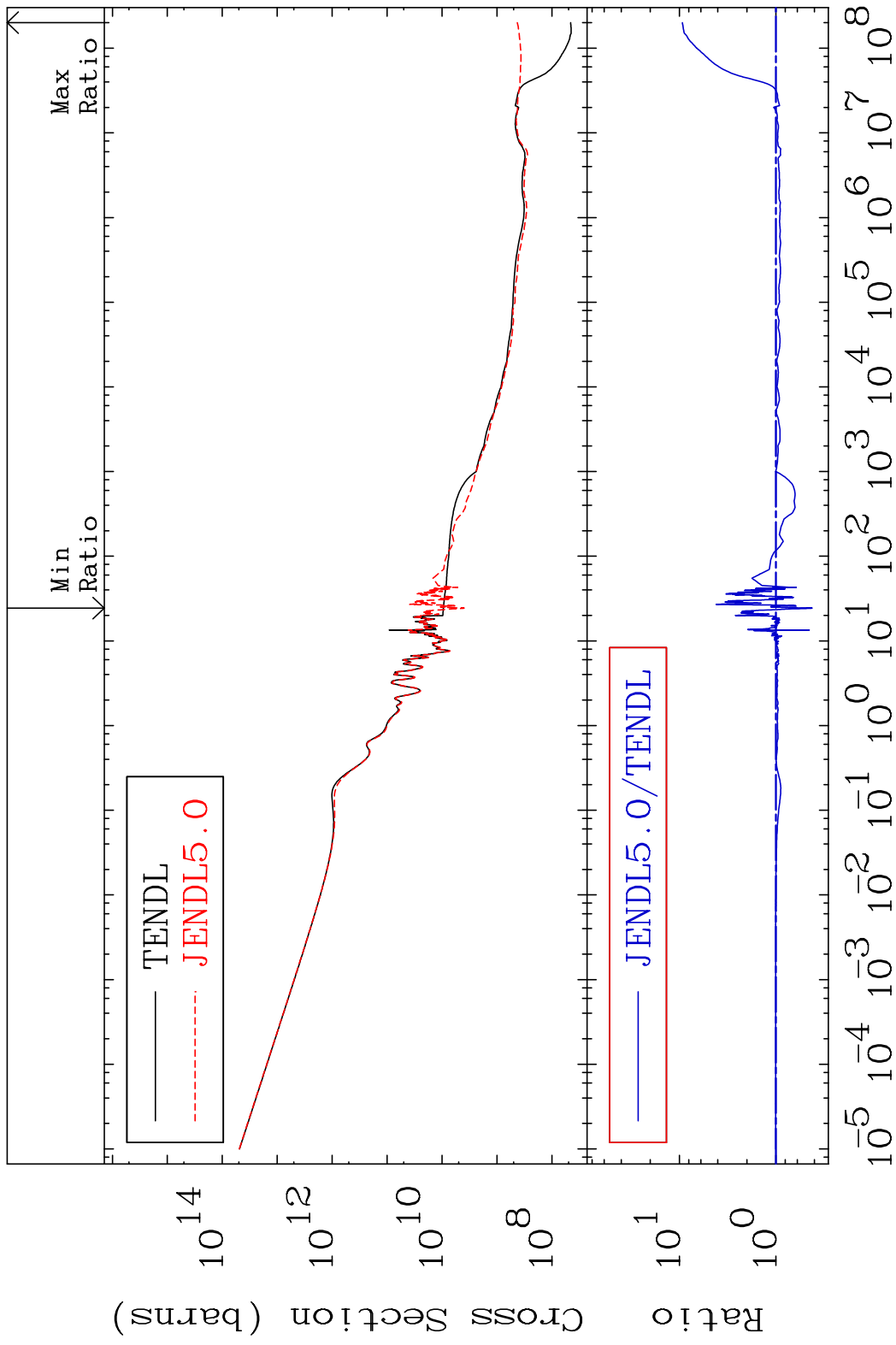


32

Incident Energy (eV)

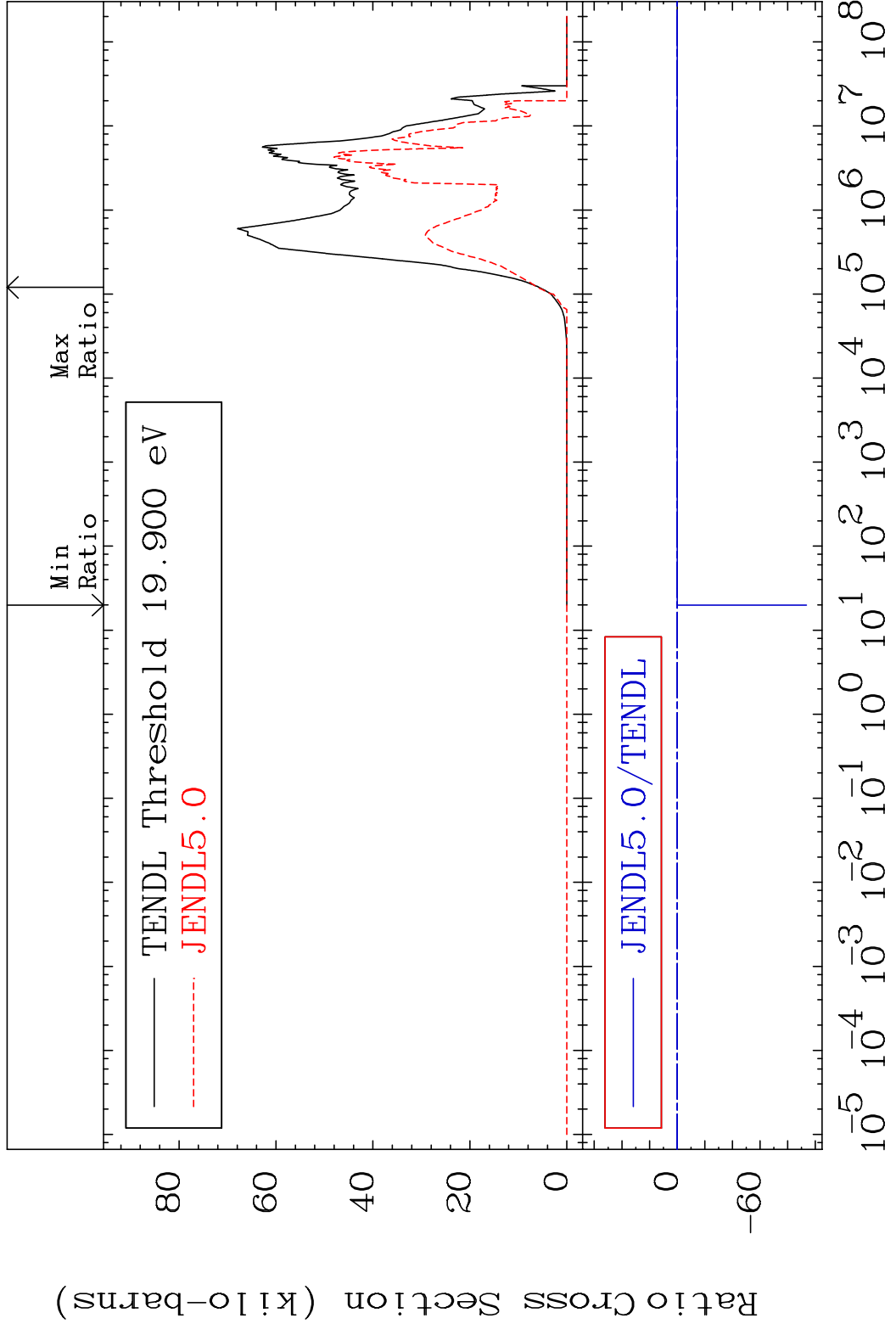
95-Am-242m

MAT 9547 Kerma non-elastic (all but mt2) 95-Am-242m  
 Cross Section -58.26 To 830.7 %

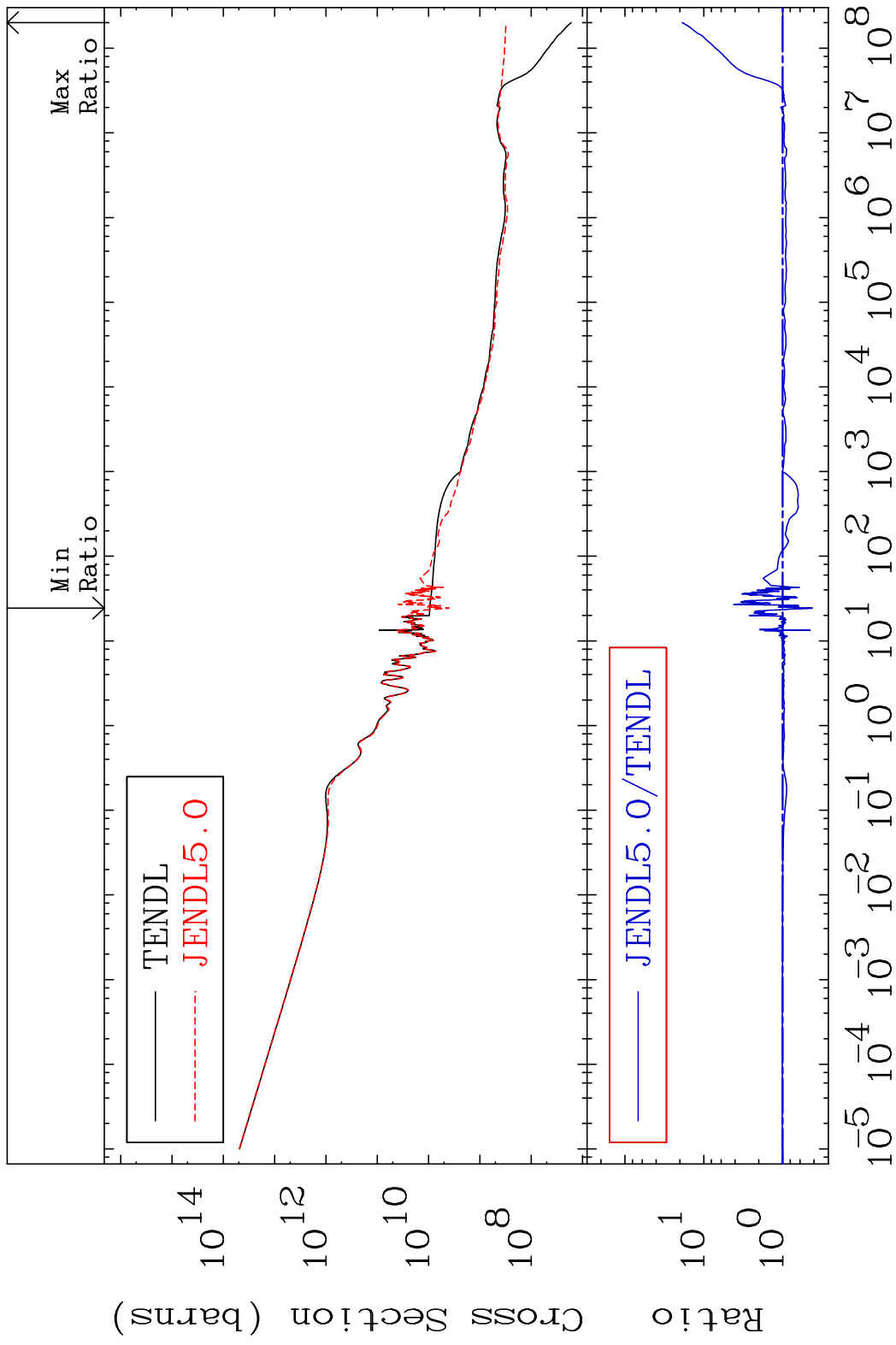


33 Incident Energy (eV) 95-Am-242m

MAT 9547 Kerma inelastic (mt51-91) 95-Am-242m  
 Cross Section -9999. To 5.706 %



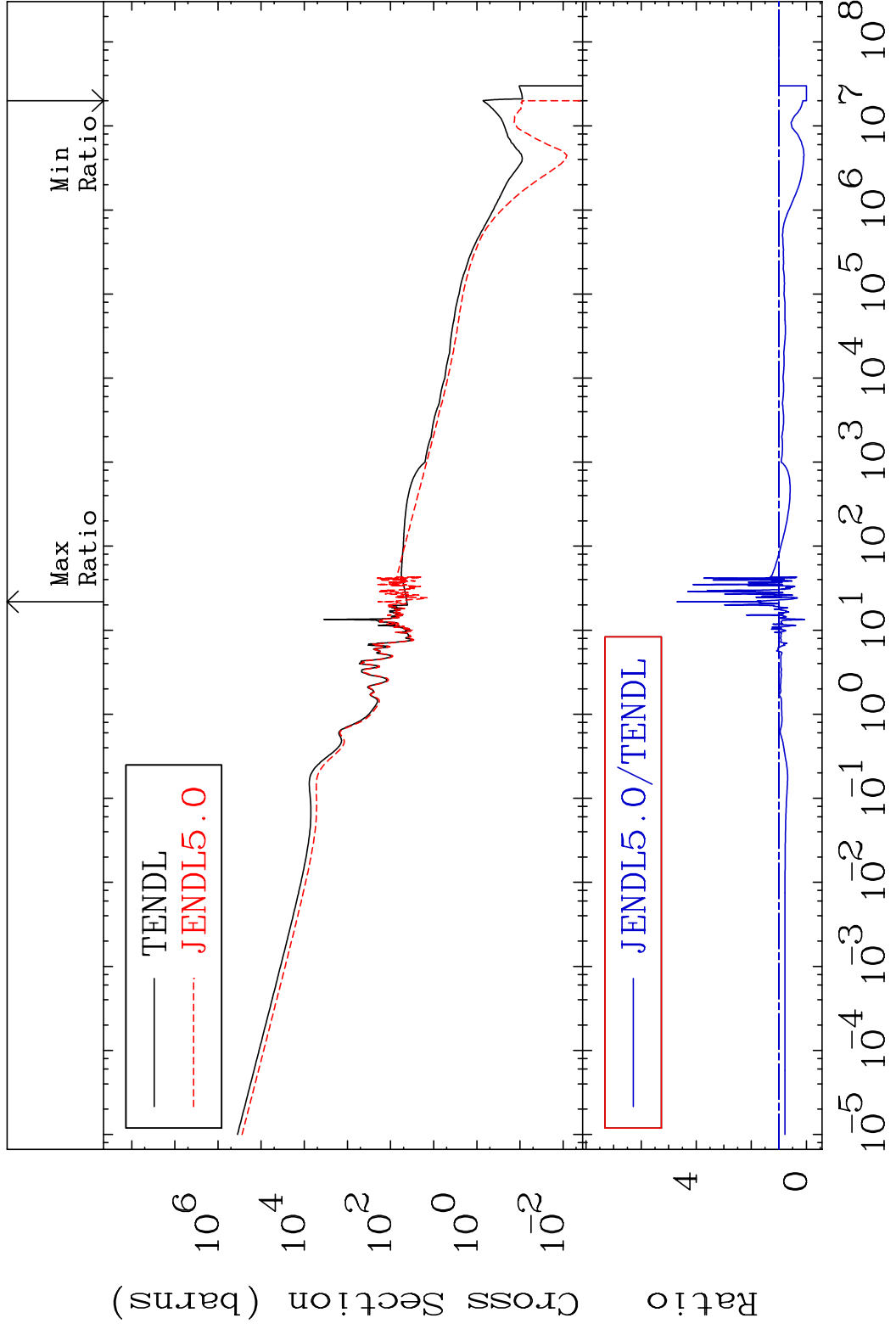
MAT 9547 Kerma fission (mt18 or mt19-20-21-30) 95-Am-242m  
 Cross Section -58.26 To 1765. %



35 Incident Energy (eV) 95-Am-242m

MAT 9547

Kerma capture (mt102) 95-Am-242m  
Cross Section -100.0 To 369.2 %

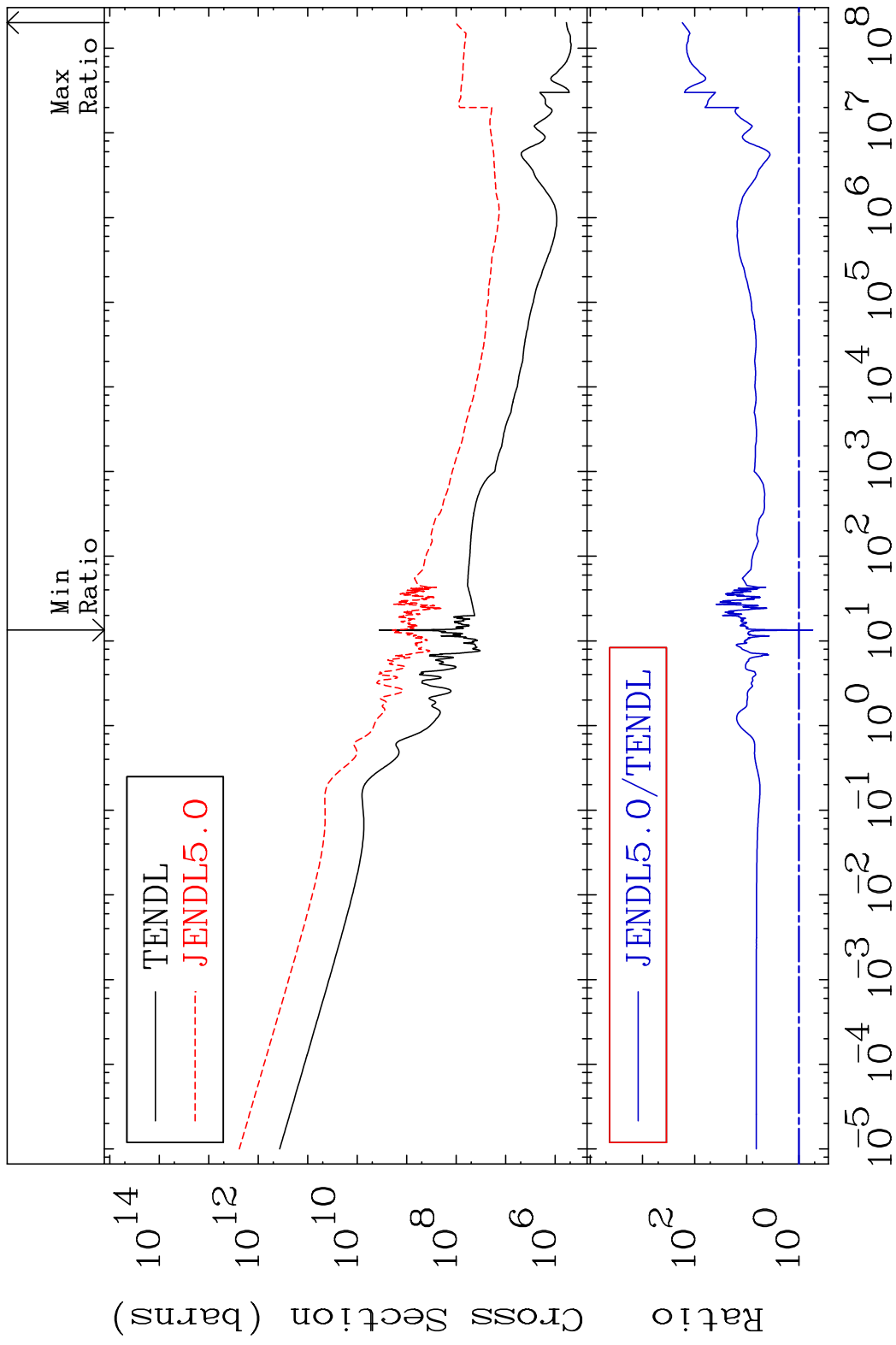


36

Incident Energy (eV)

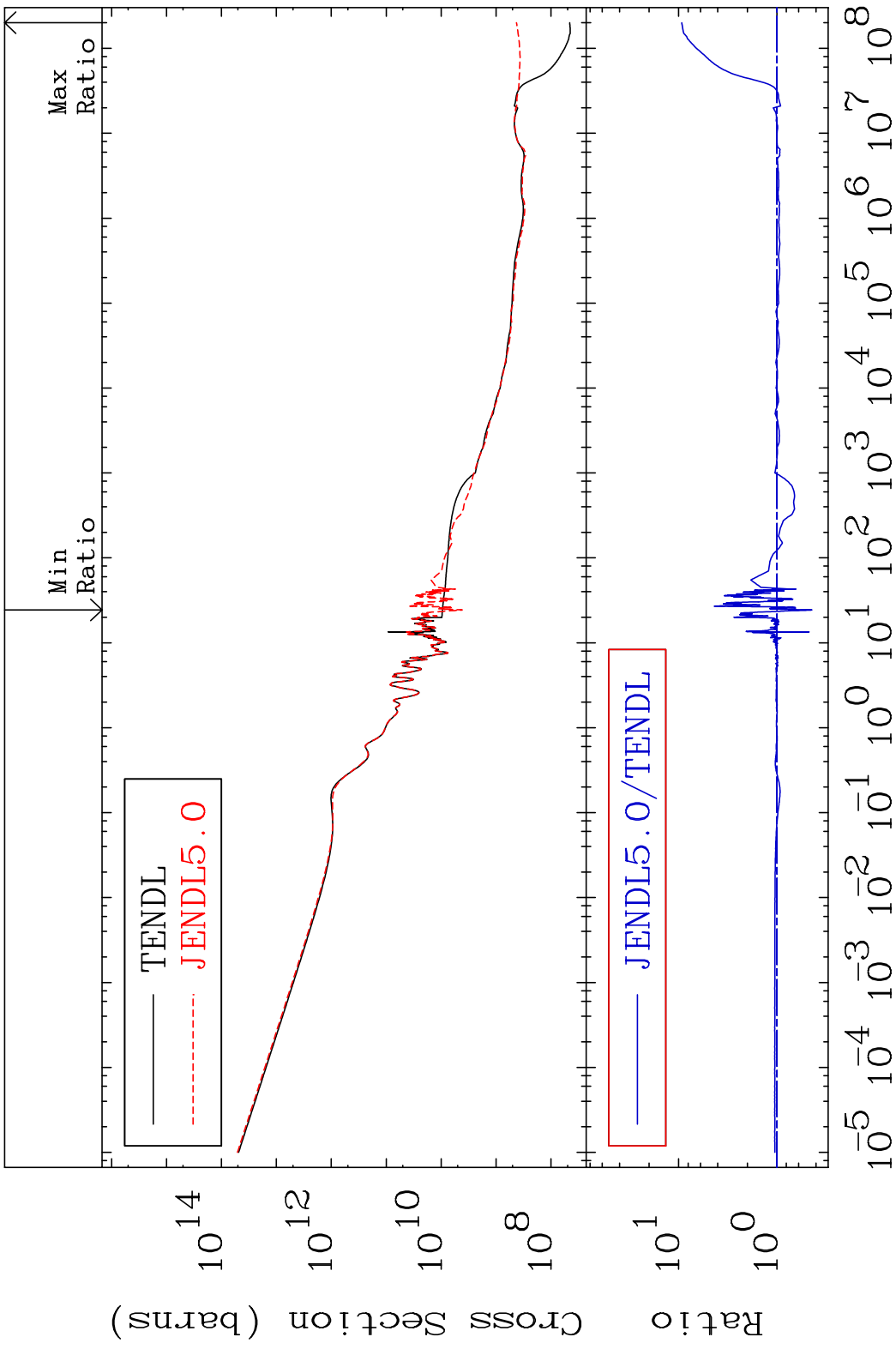
95-Am-242m

MAT 9547 Total photon (eV-barns) 95-Am-242m  
Cross Section -45.39 To 9999. %



37 Incident Energy (eV) 95-Am-242m

MAT 9547 Total kinematic kerma (high limit)95-Am-242m  
Cross Section -56.46 To 830.7 %



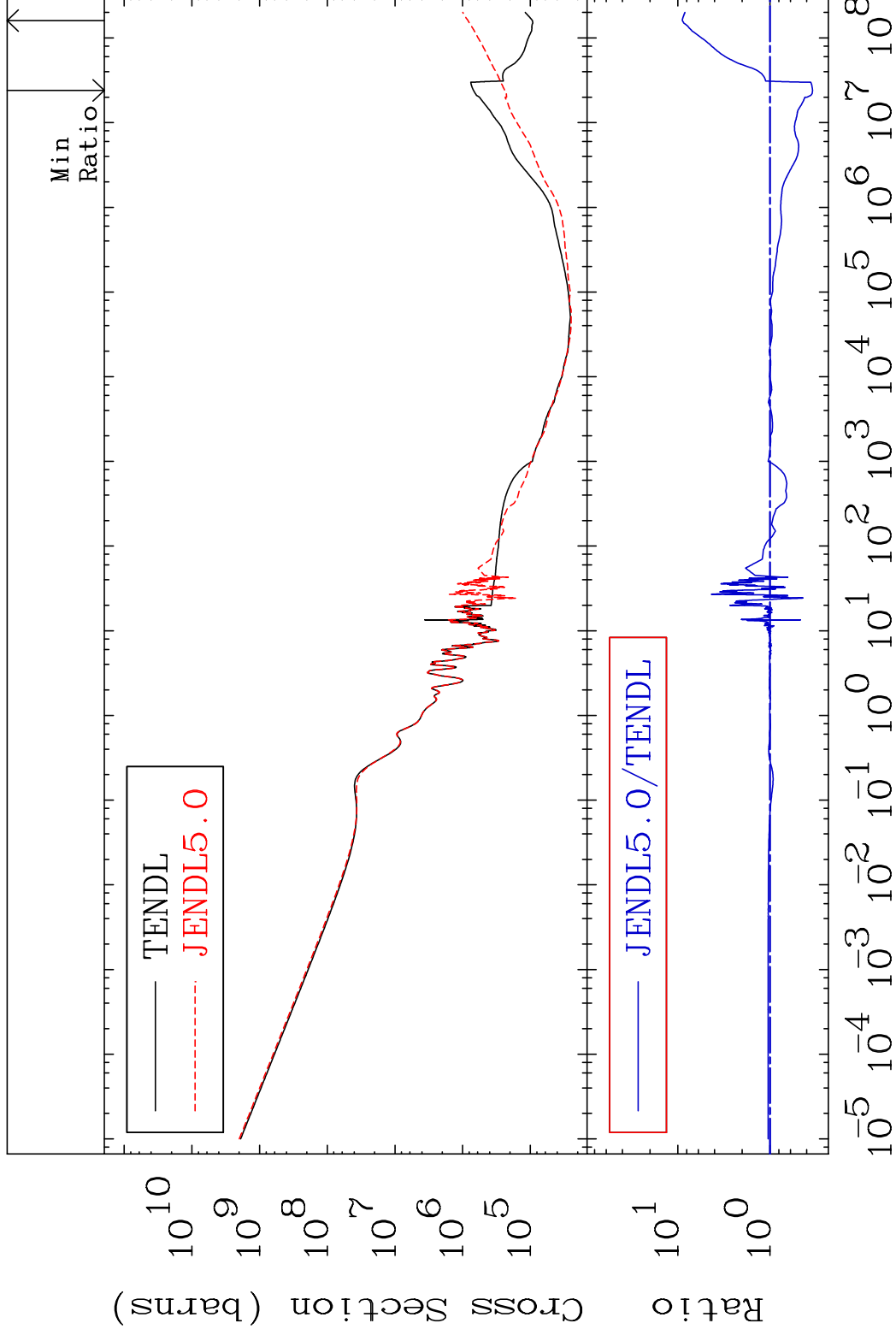
MAT 9547

Dpa total (eV-barns)

95-Am-242m

Cross Section

-65.50 To 793.0 %



39

Incident Energy (eV)

95-Am-242m

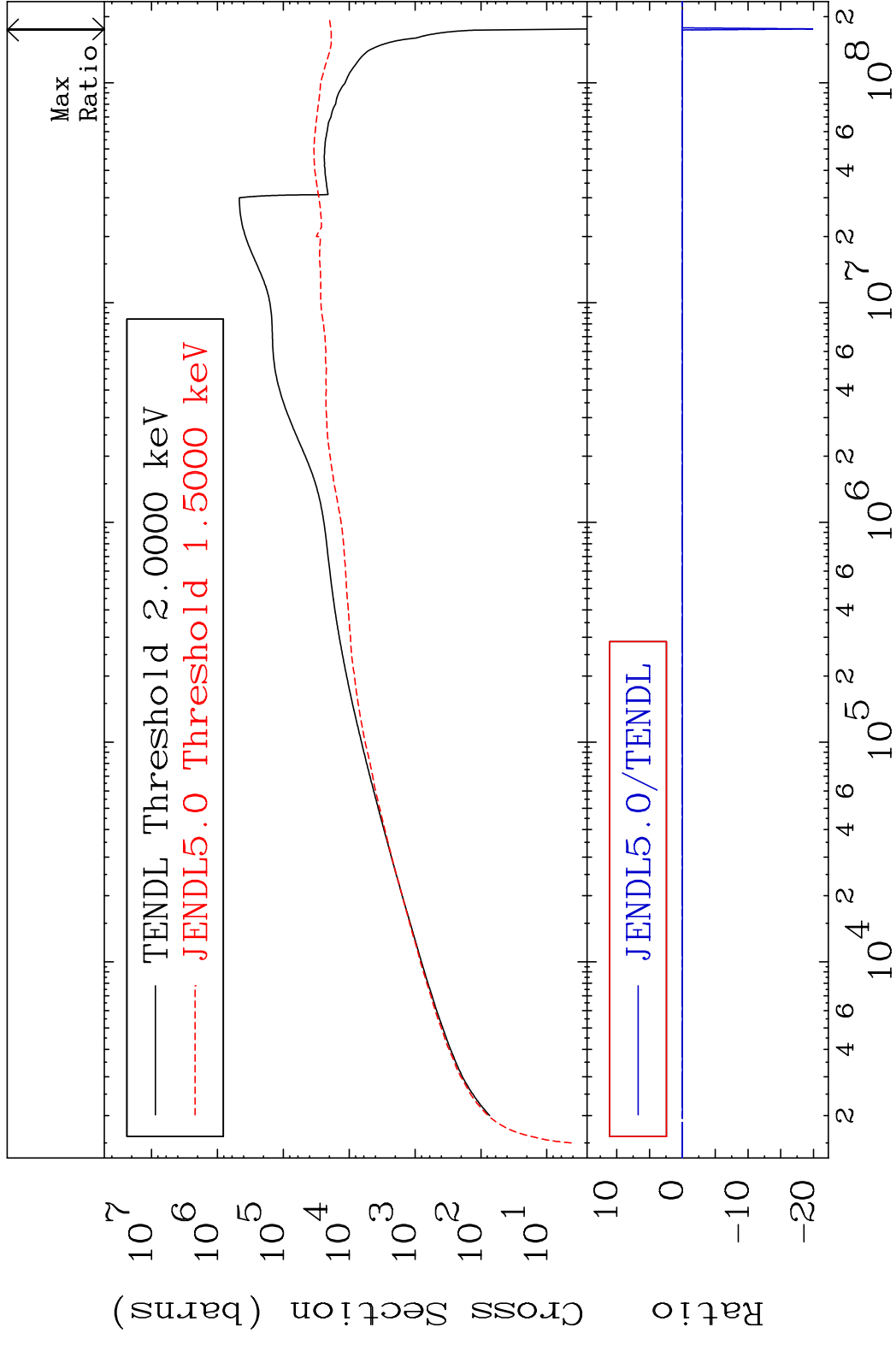


MAT 9547

Dpa elastic (mt2)

95-Am-242m

Cross Section -9999. To 9999. %



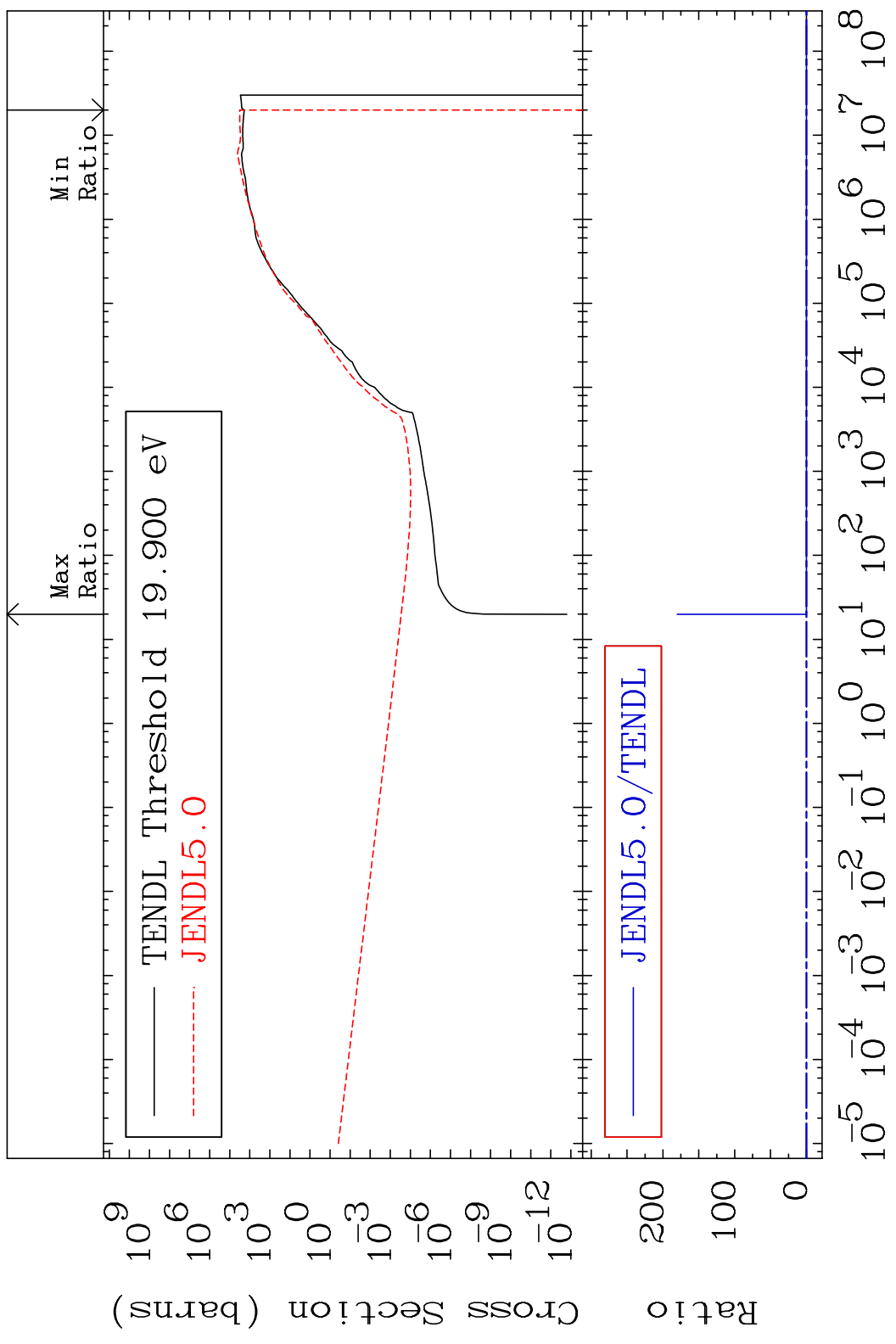
40

Incident Energy (eV)

95-Am-242m

MAT 9547

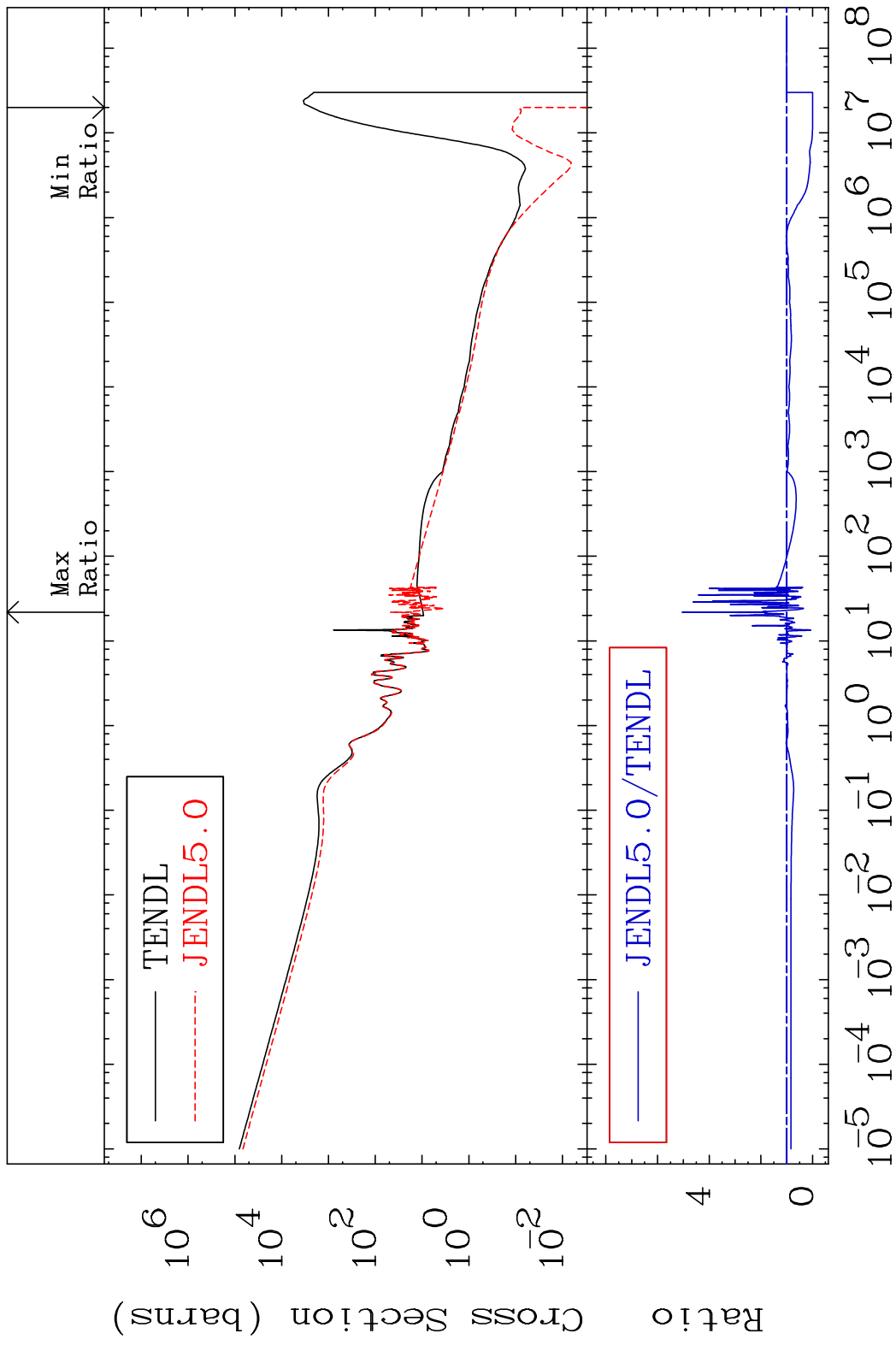
Dpa inelastic (mt51-91) 95-Am-242m  
Cross Section -100.0 To 9999. %



41

Incident Energy (eV) 95-Am-242m

MAT 9547 Dpa disappearance (mt102 -120) 95-Am-242m  
 Cross Section -100.0 To 404.0 %



42 Incident Energy (eV) 95-Am-242m