

Program Complot  
(Version 2021-1)

by

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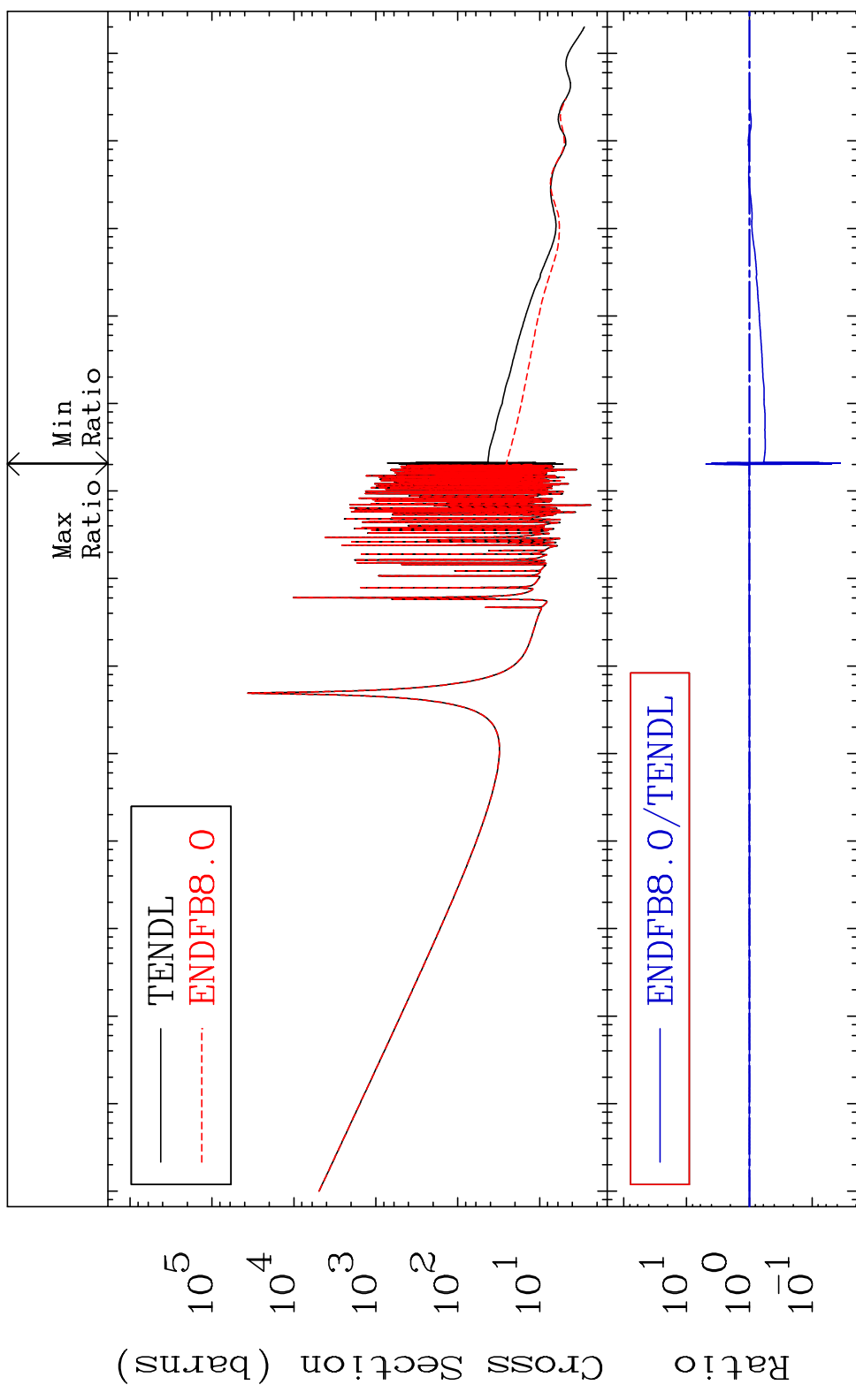
Press Mouse Button to Start

MAT 7925

Total

79-Au-197

Cross Section -96.46 To 394.5 %



1

Incident Energy (eV)

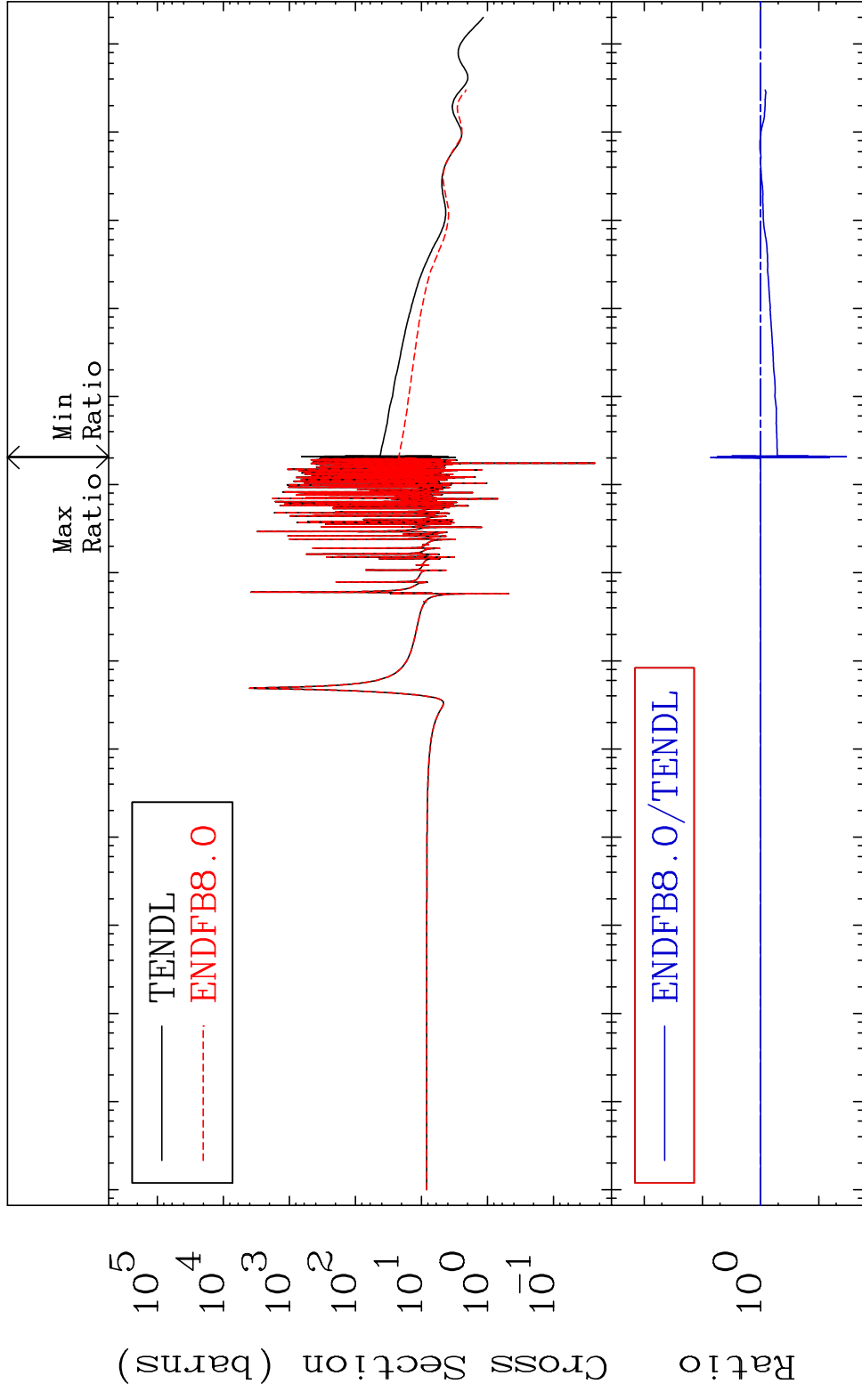
79-Au-197

MAT 7925

Elastic

79-Au-197

Cross Section -96.64 To 620.9 %



Cross Section (barns)  
Ratio

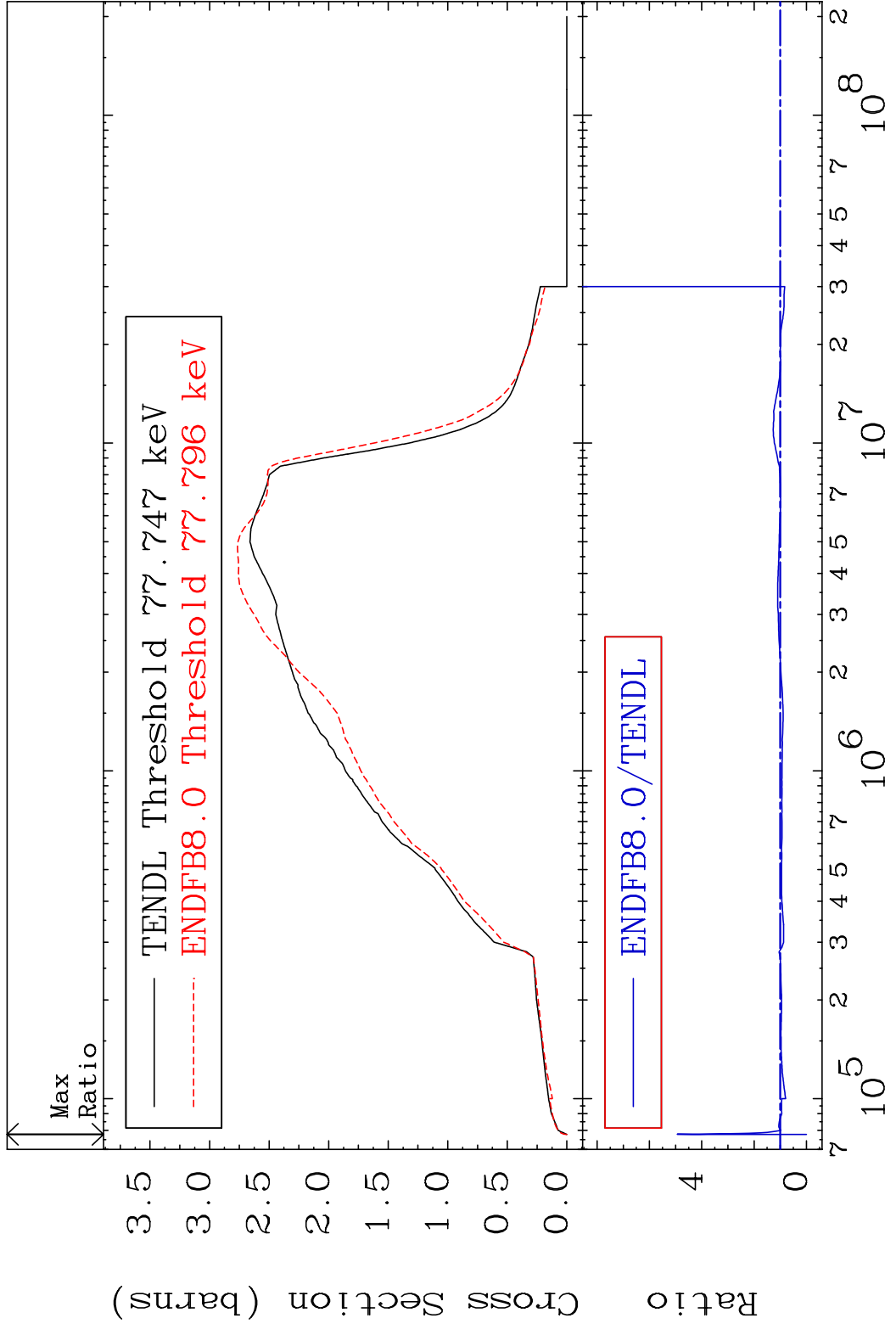
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

79-Au-197

MAT 7925 Inelastic 79-Au-197  
 Cross Section -100.0 To 393.9 %



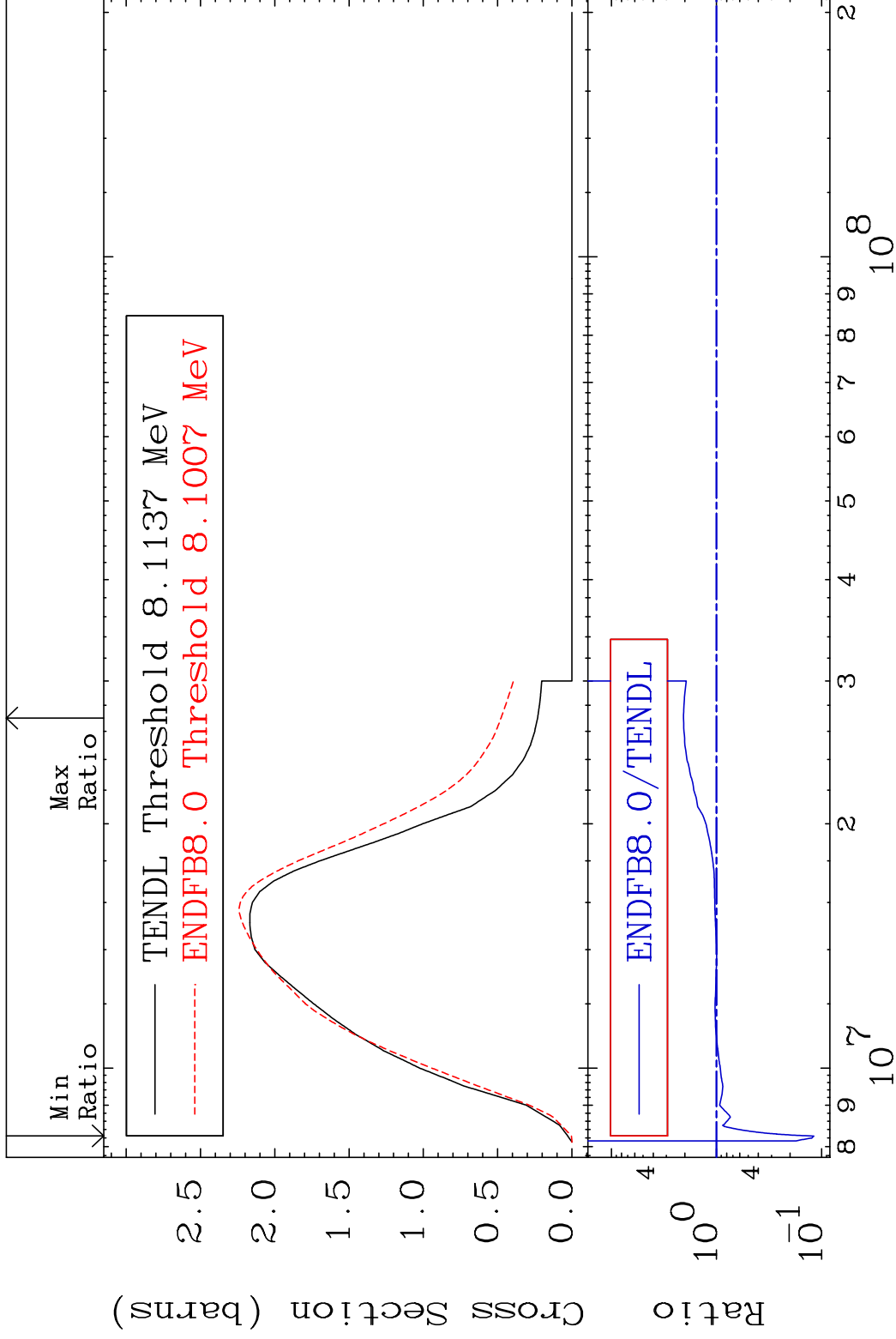
3 Incident Energy (eV) 79-Au-197

MAT 7925

(n,2n)

79-Au-197

Cross Section -88.18 To 106.3 %



4

Incident Energy (eV)

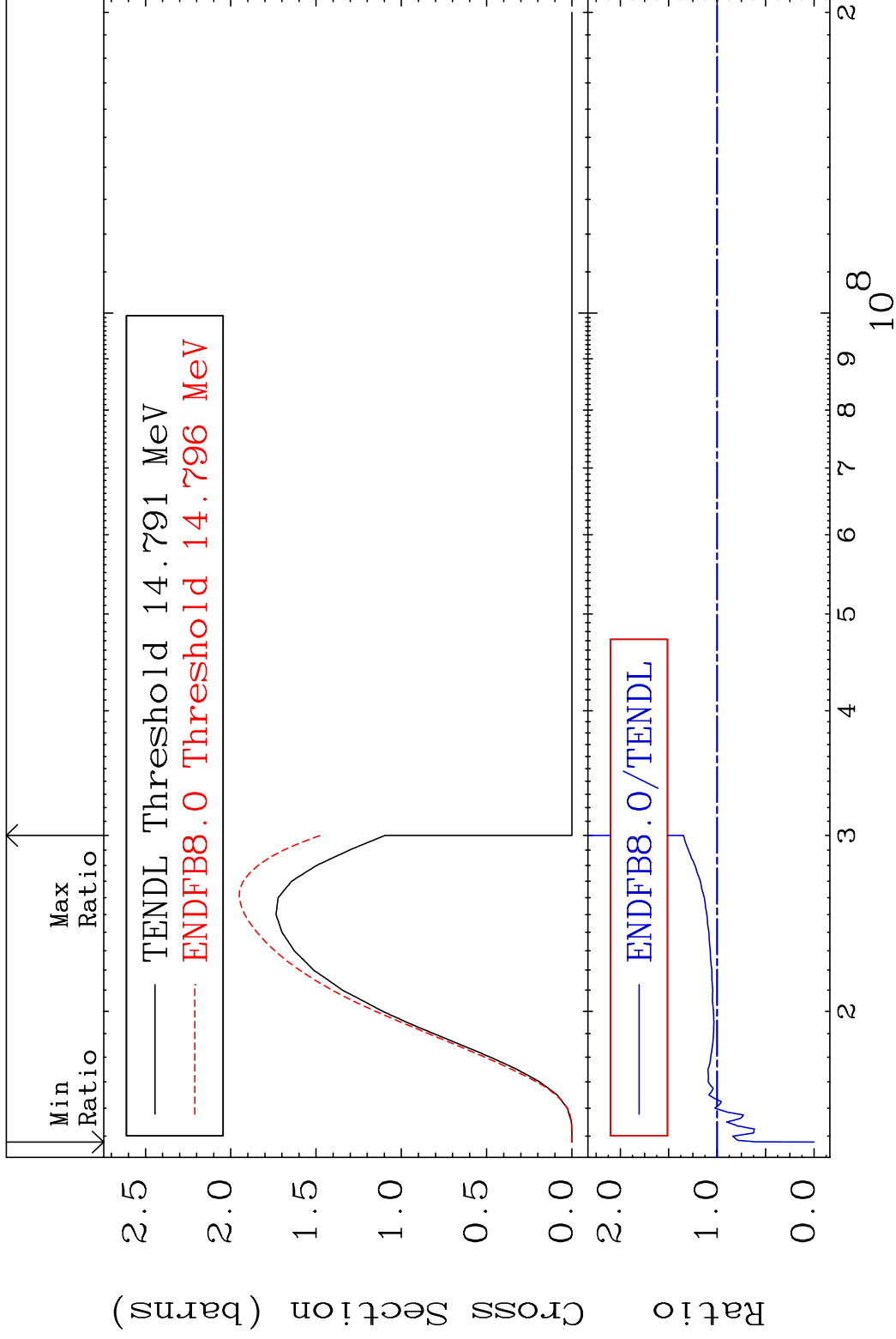
79-Au-197

MAT 7925

(n,3n)

79-Au-197

Cross Section -100.0 To 34.80 %



5

Incident Energy (eV)

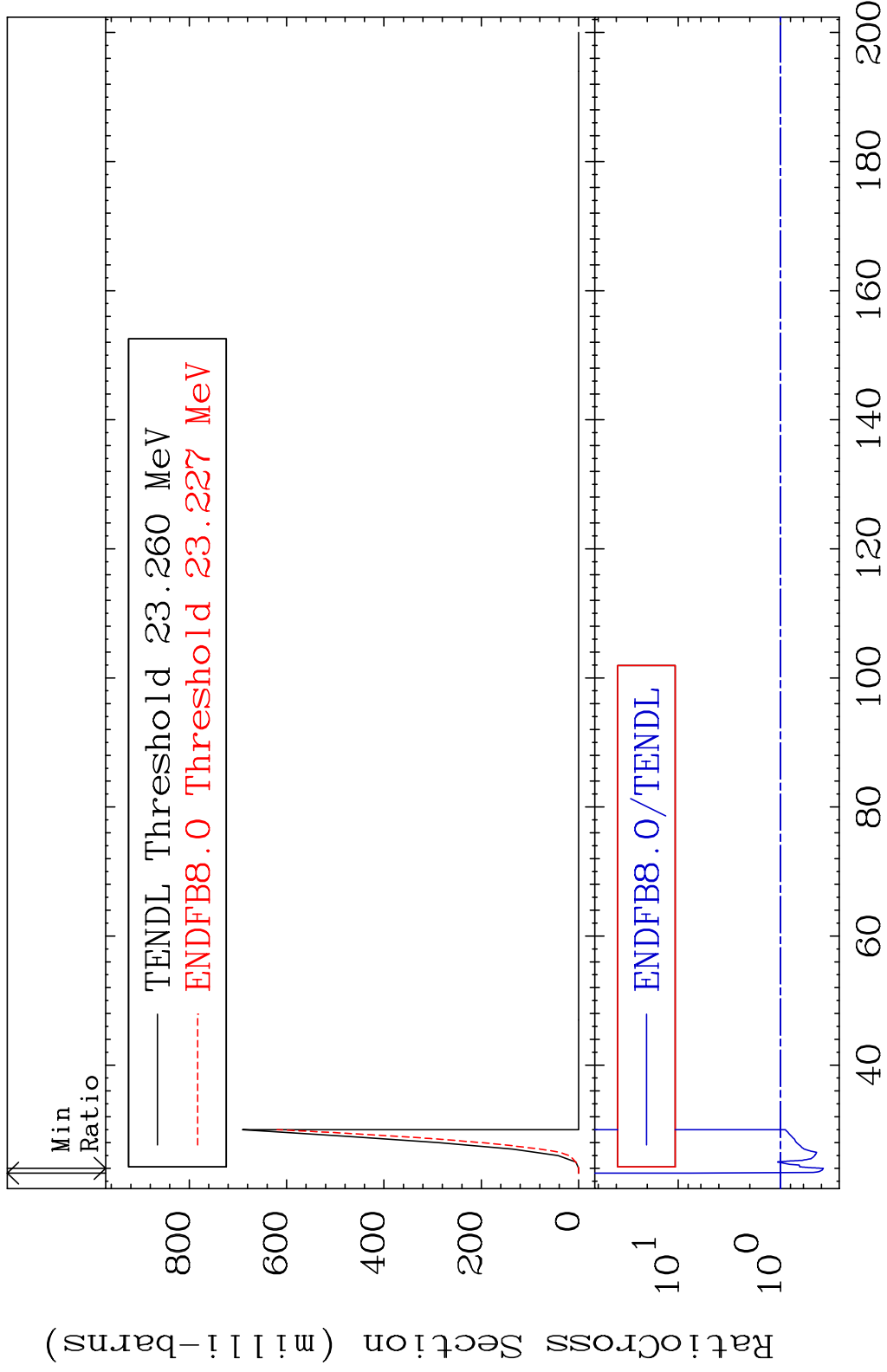
79-Au-197

MAT 7925

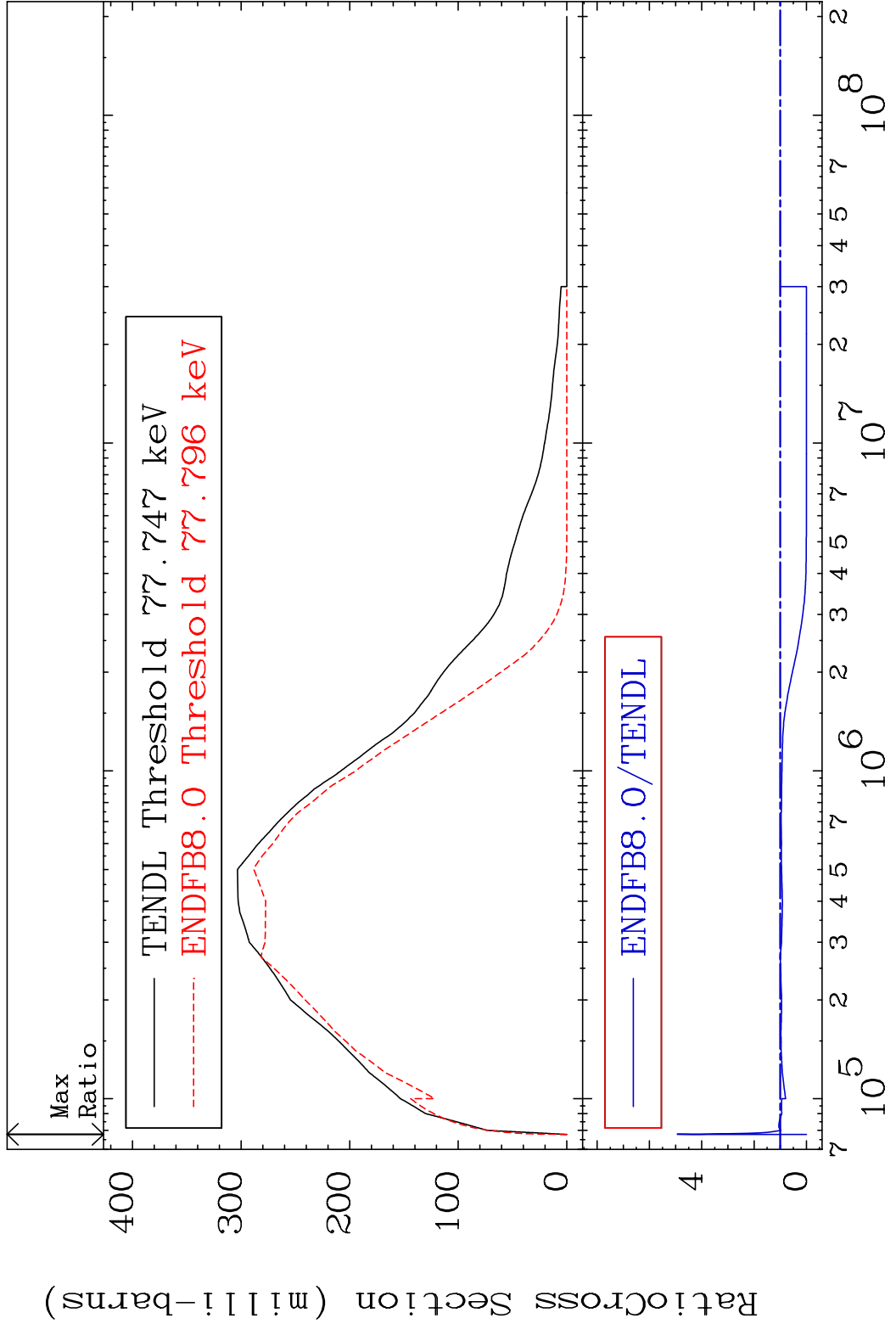
(n, 4n)

79-Au-197

Cross Section -61.63 To 642.9 %



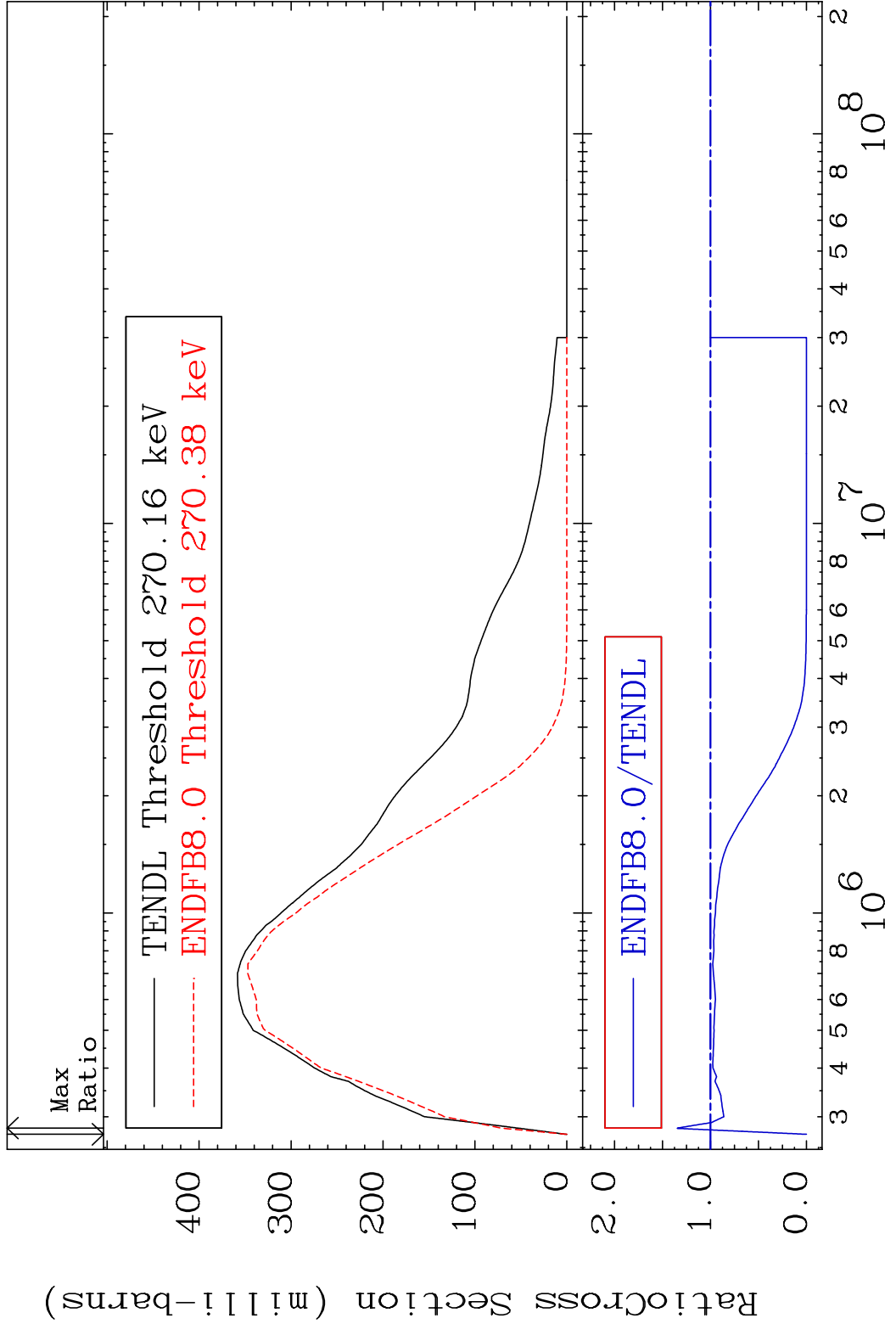
MAT 7925 MT= 51 (n, n') Level 79-Au-197  
 Cross Section -100.0 To 393.9 %



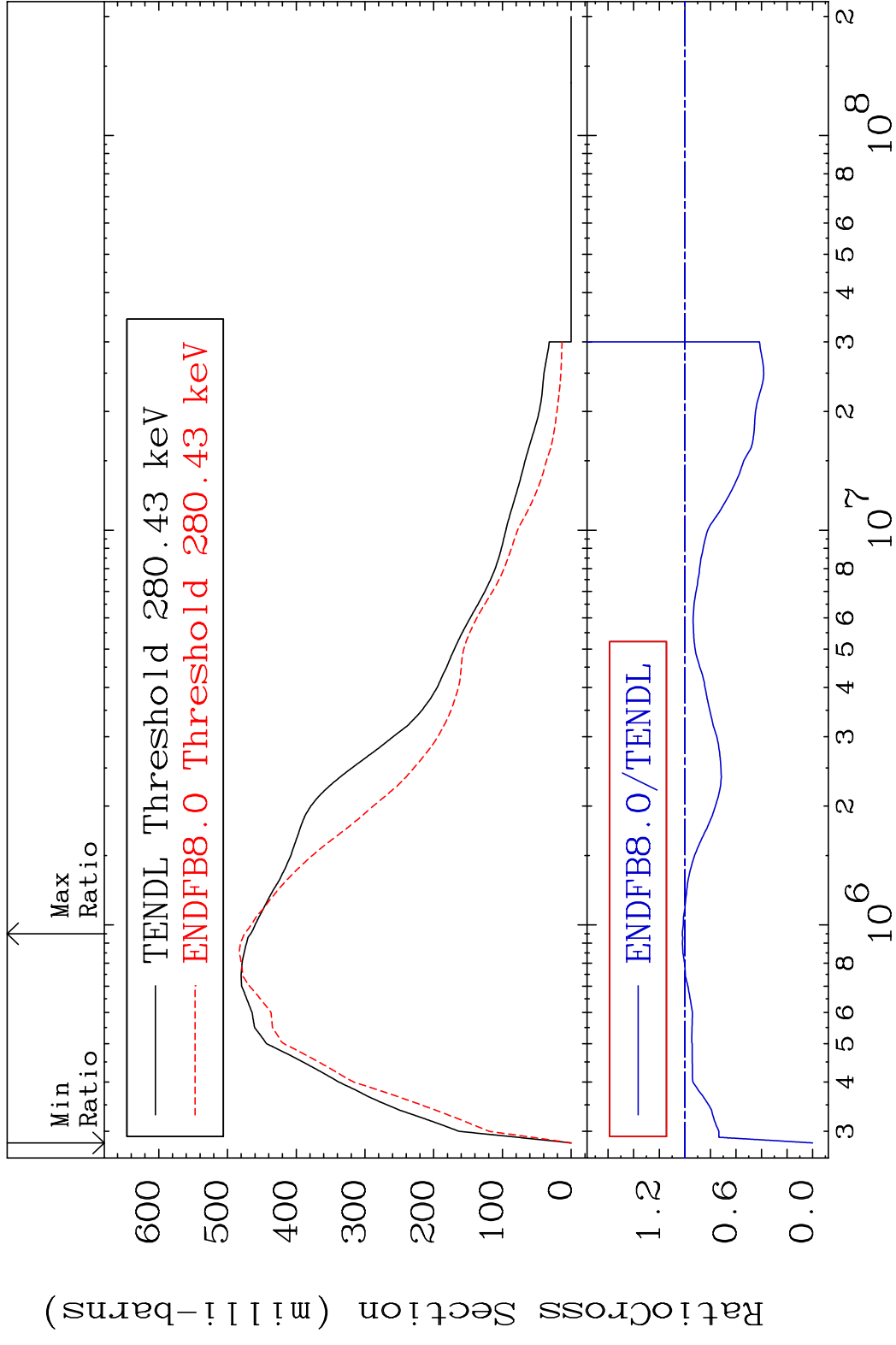
79-Au-197



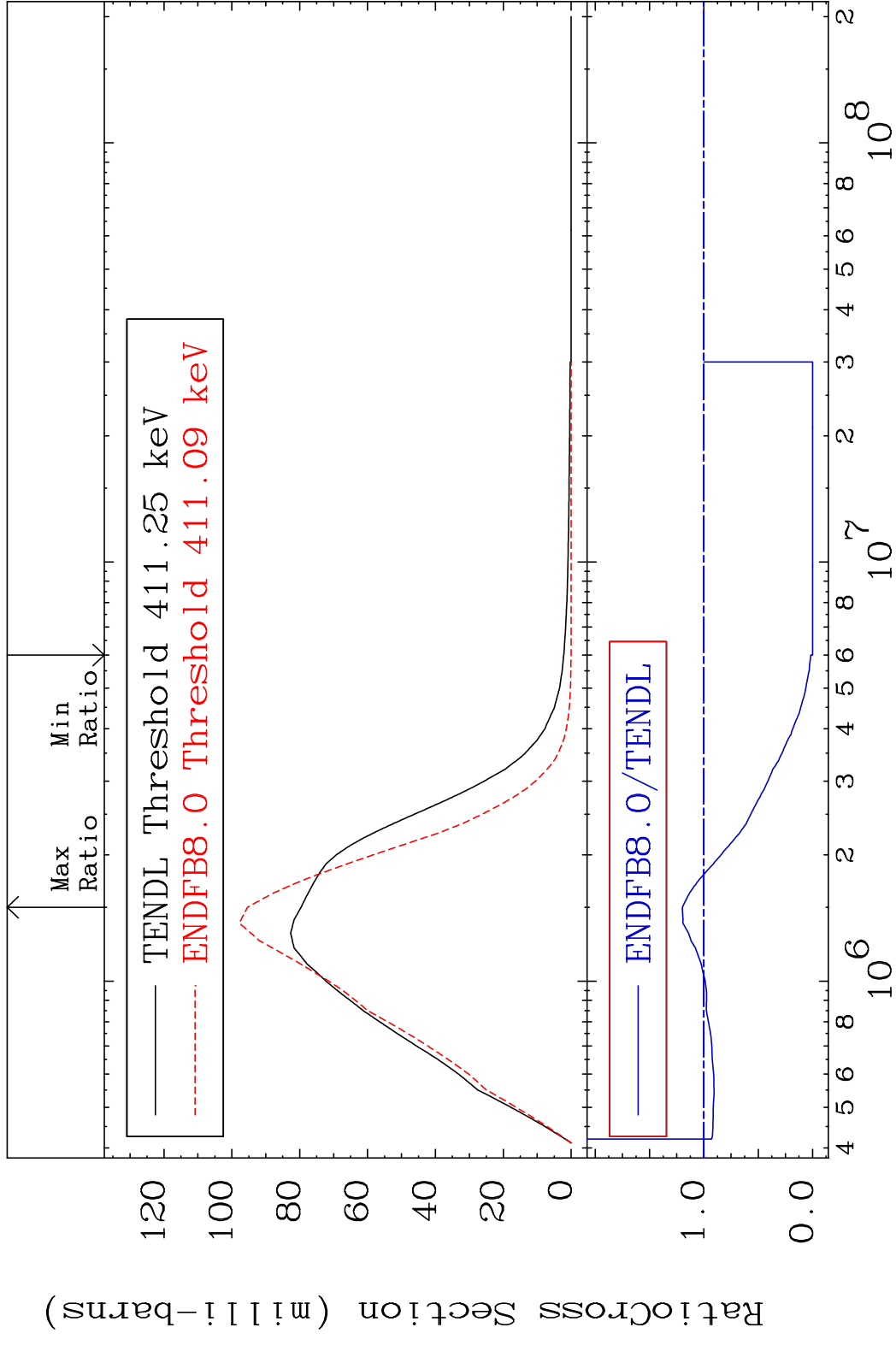
MAT 7925 MT= 52 (n,n') Level 79-Au-197  
 Cross Section -100.0 To 34.65 %



MAT 7925 MT= 53 (n,n') Level 79-Au-197  
 Cross Section -100.0 To 1.912 %

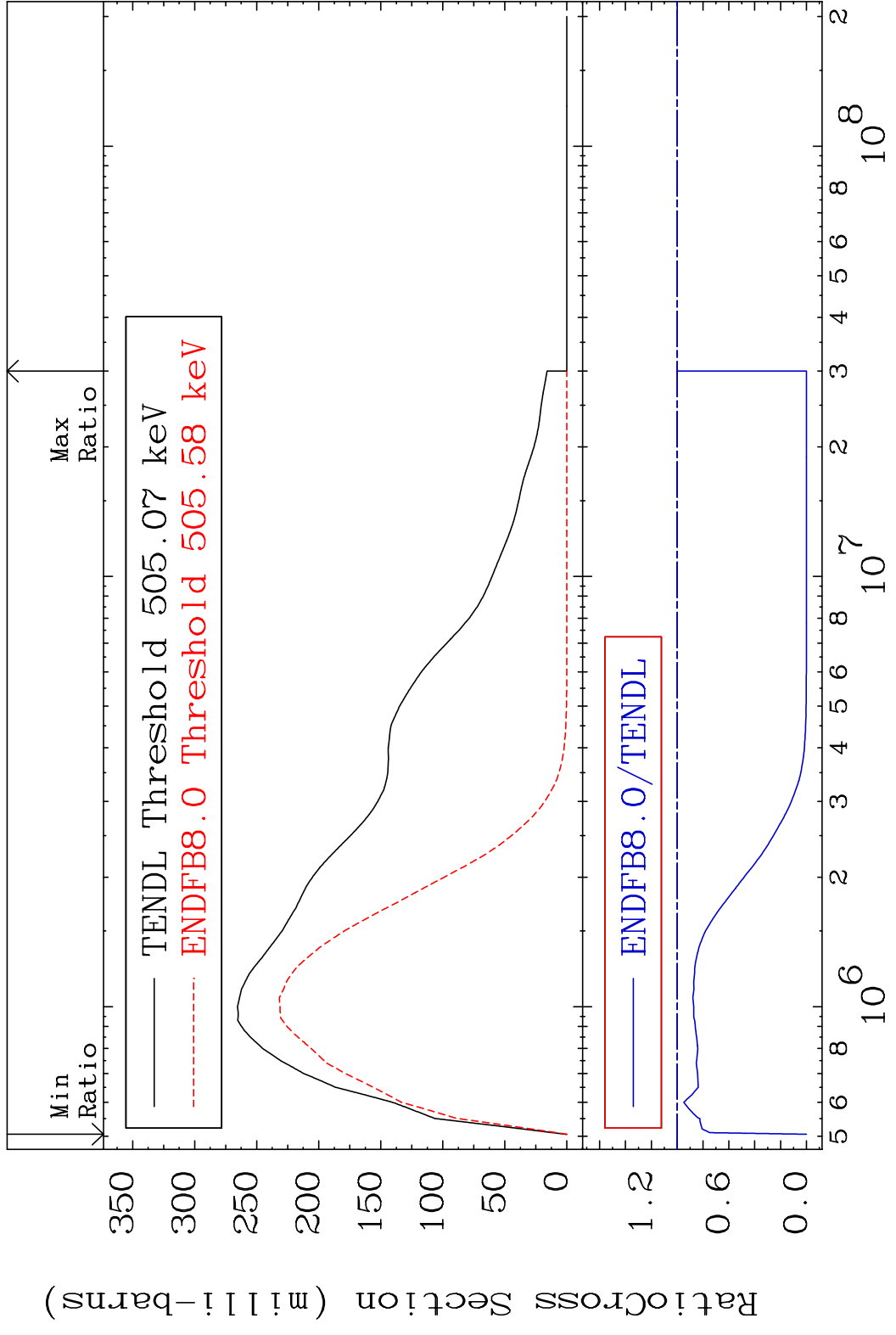


MAT 7925 MT= 54 (n,n') Level 79-Au-197  
 Cross Section -100.0 To 19.83 %

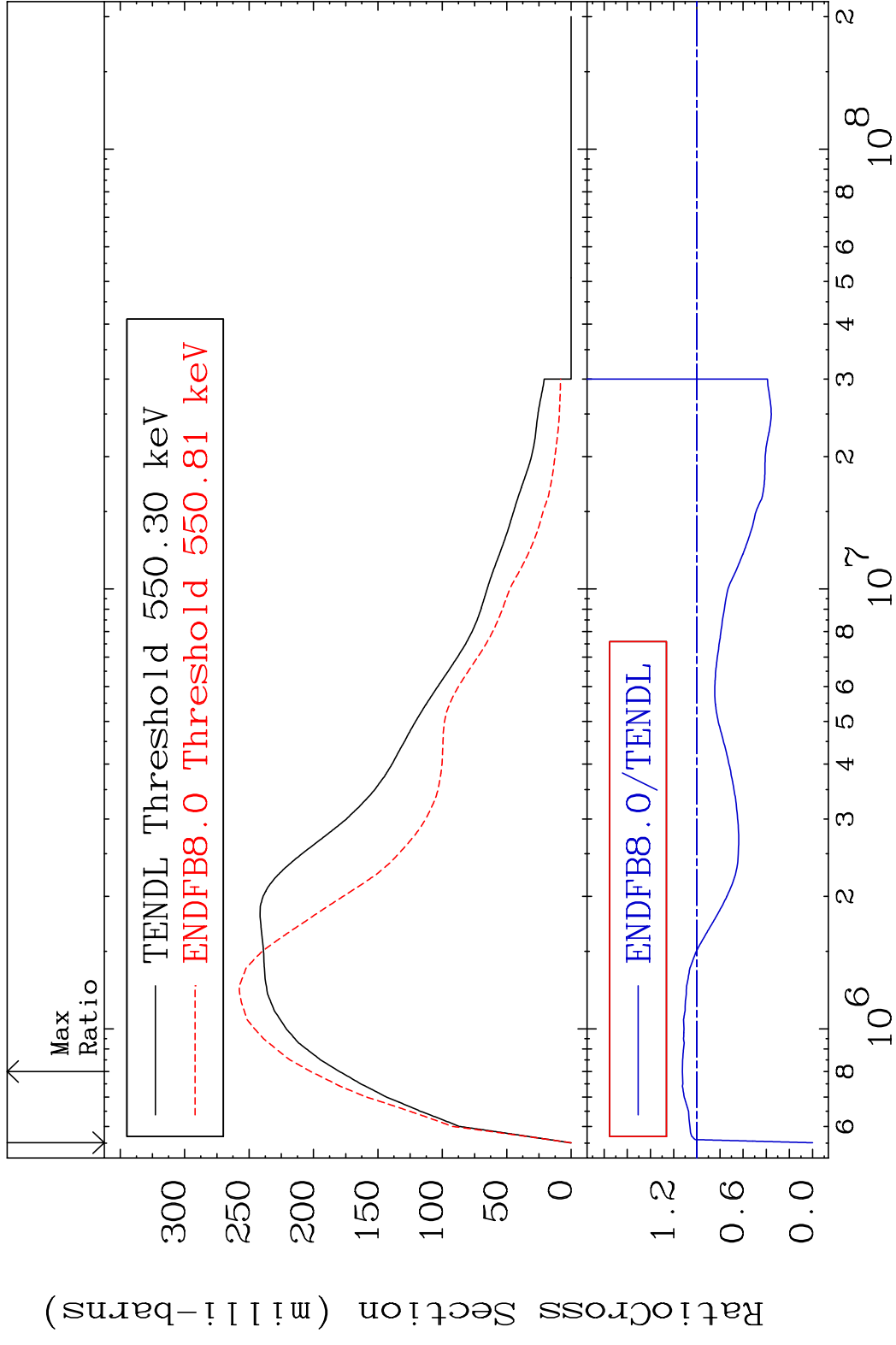


10 Incident Energy (eV) 79-Au-197

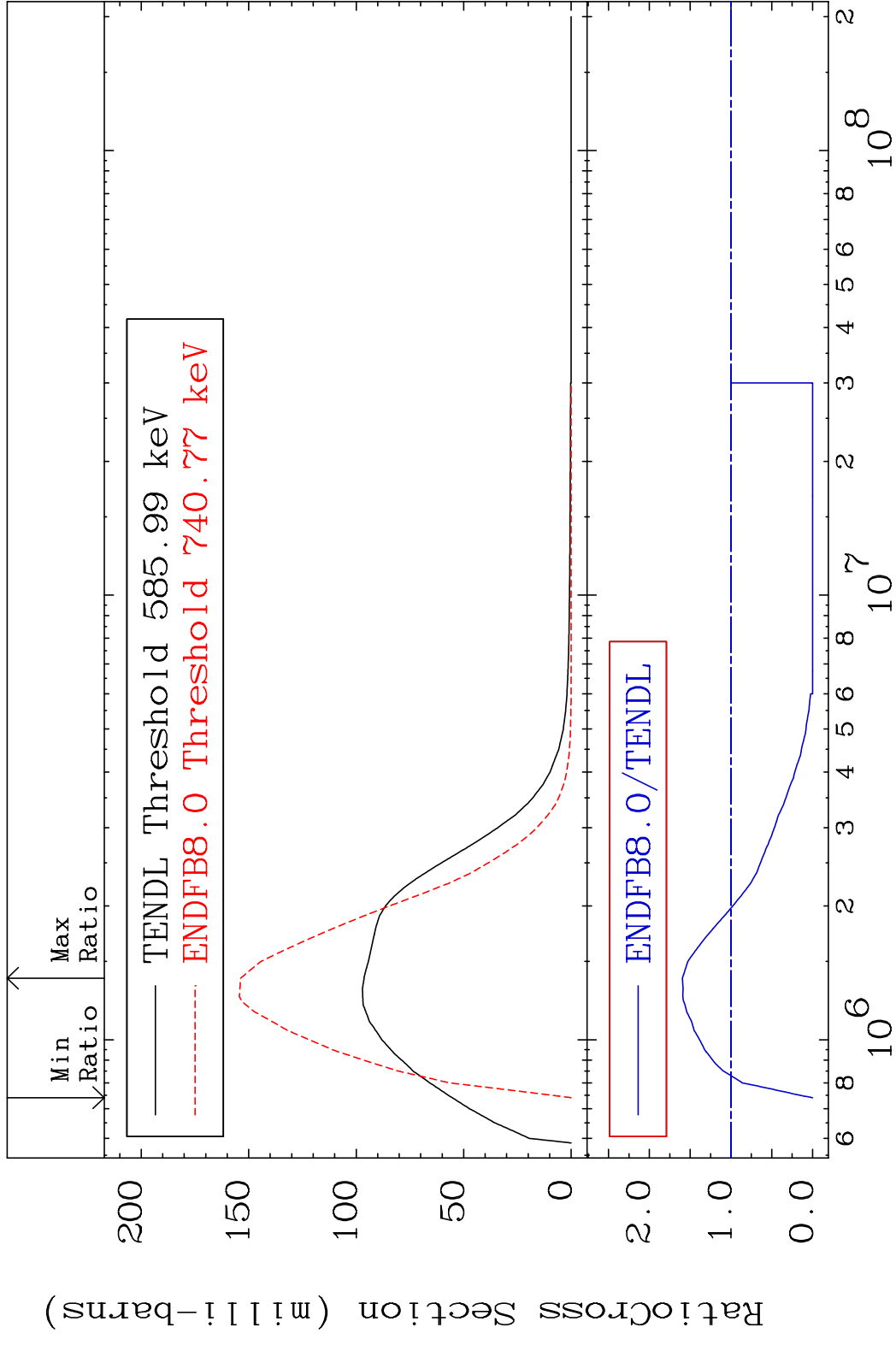
MAT 7925 MT= 55 (n, n') Level 79-Au-197  
 Cross Section -100.0 To 0.000 %



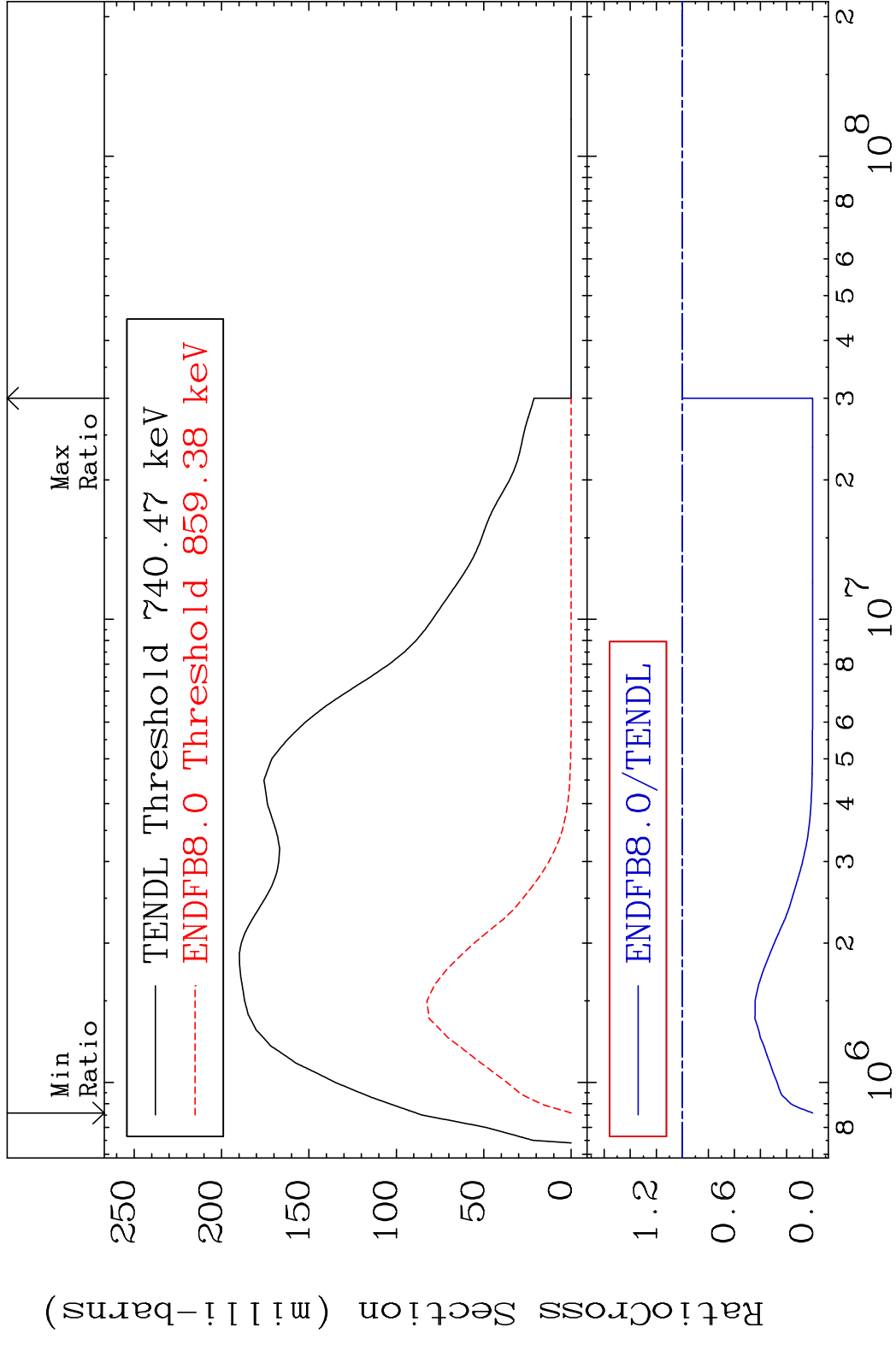
MAT 7925 MT= 56 (n,n') Level 79-Au-197  
 Cross Section -100.0 To 12.45 %



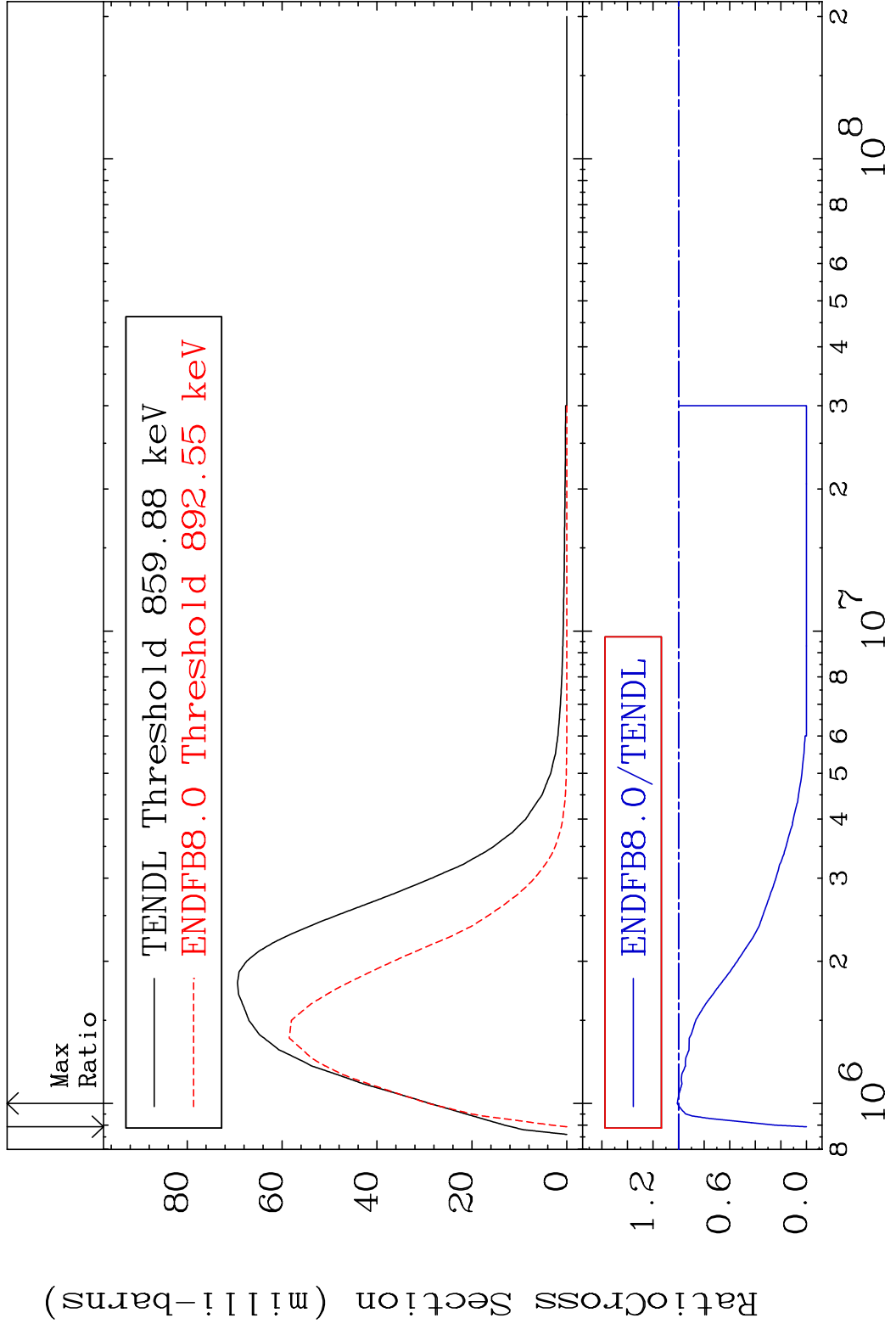
MAT 7925 MT= 57 (n,n') Level 79-Au-197  
 Cross Section -100.0 To 59.61 %



MAT 7925 MT= 58 (n, n') Level 79-Au-197  
 Cross Section -100.0 To 0.000 %

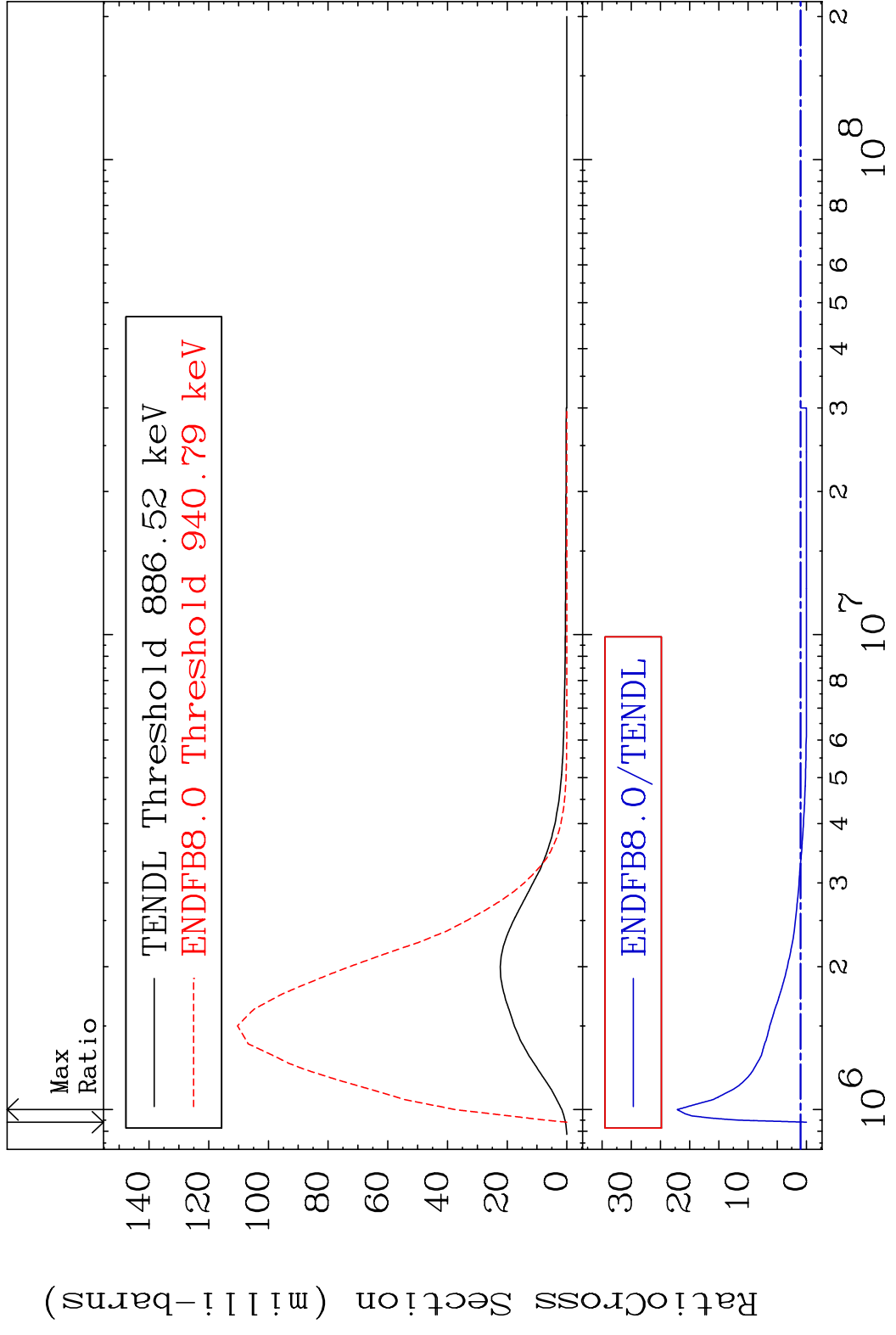


MAT 7925 MT= 59 (n,n') Level 79-Au-197  
 Cross Section -100.0 To 1.096 %

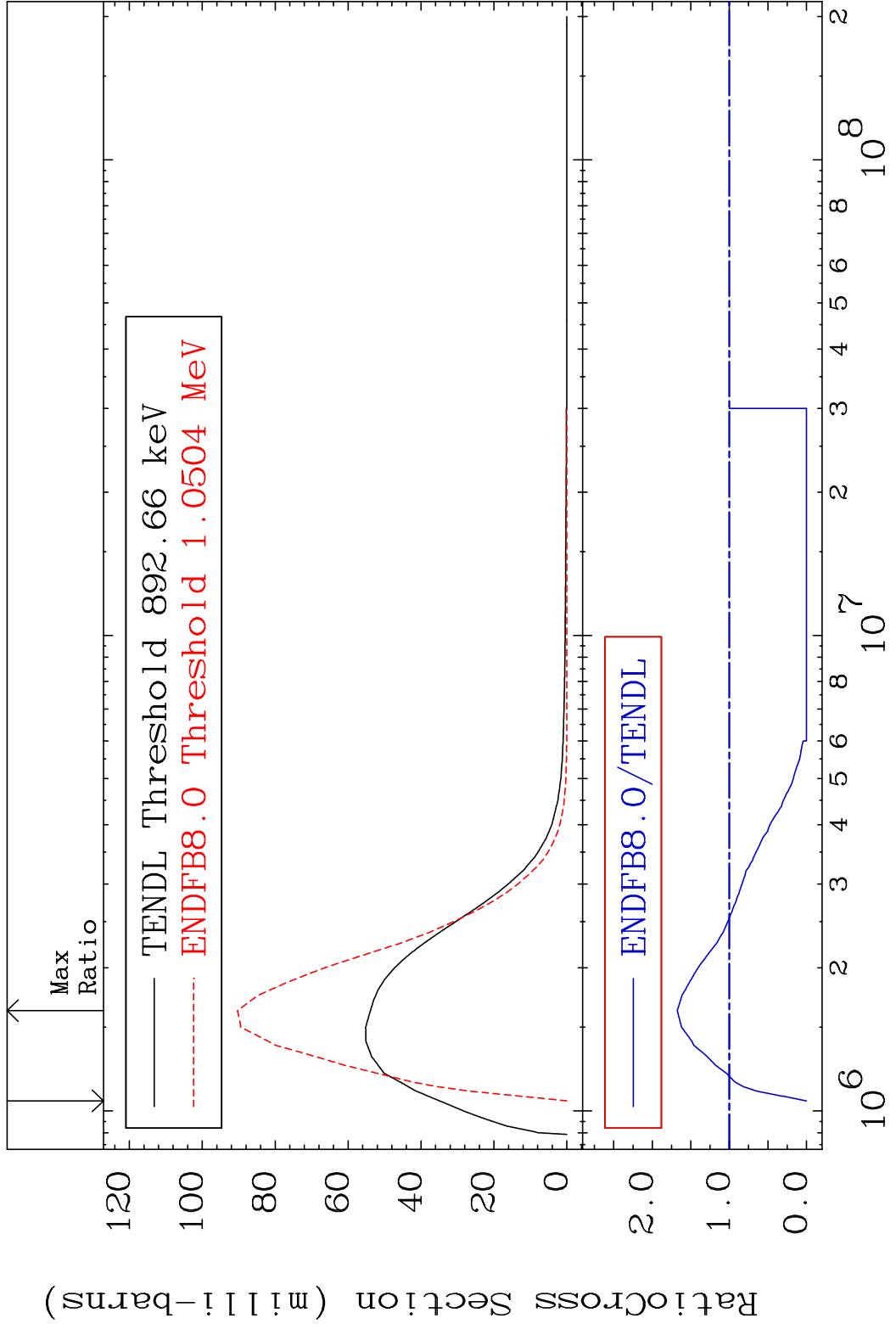




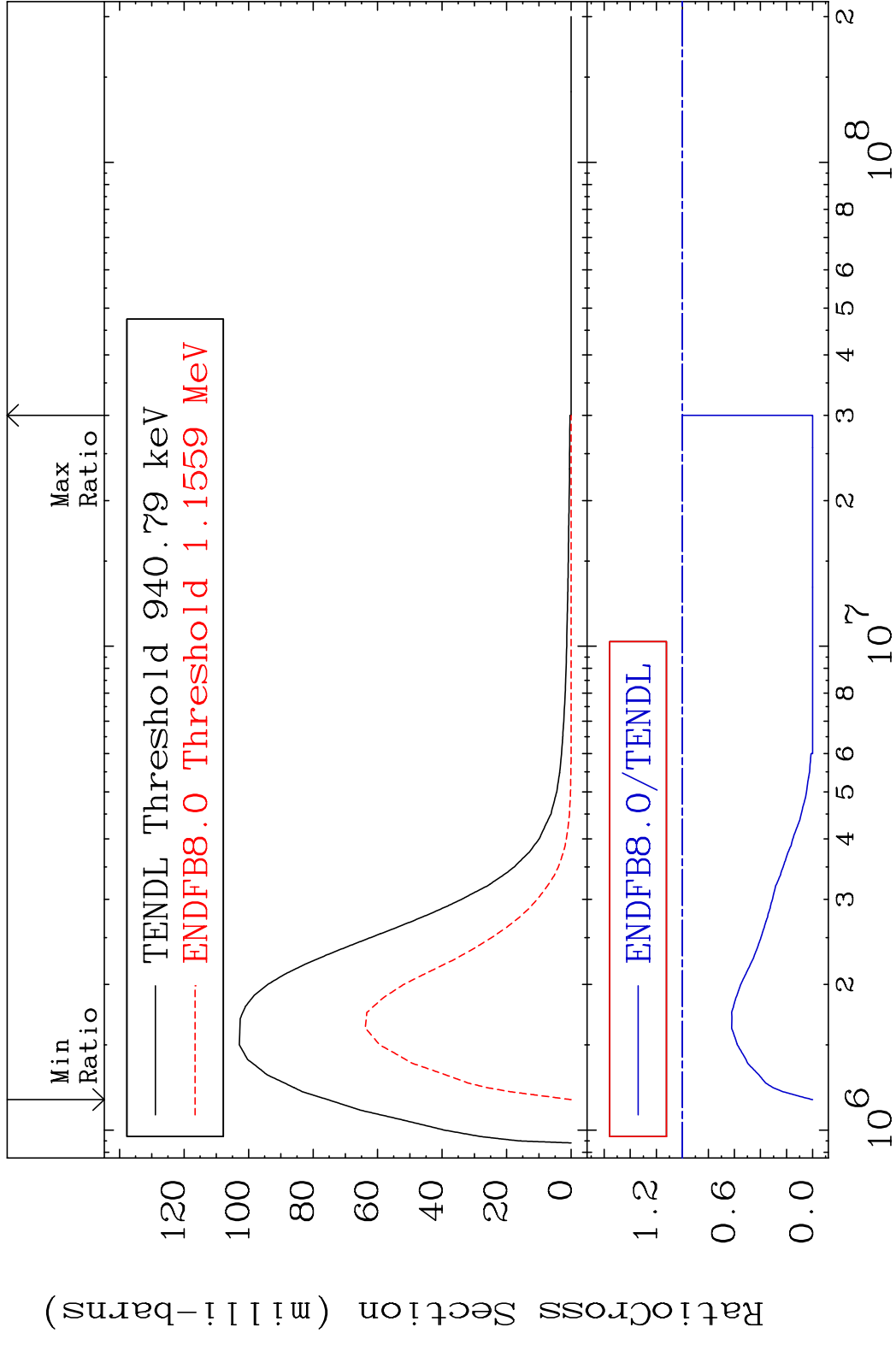
MAT 7925      MT= 60 (n,n') Level      79-Au-197  
 Cross Section    -100.0 To 2114. %



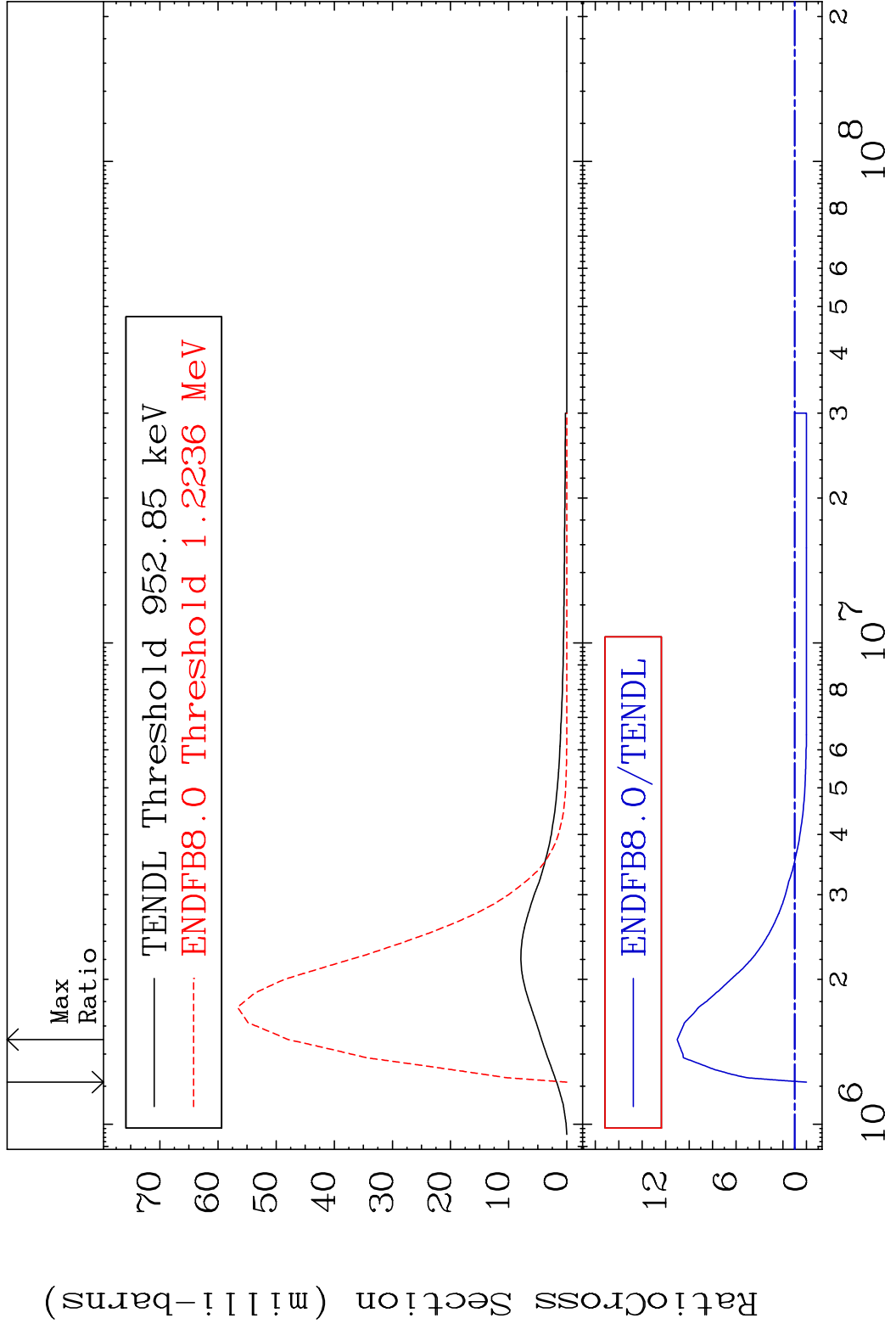
MAT 7925 MT= 61 (n,n') Level 79-Au-197  
 Cross Section -100.0 To 67.66 %



MAT 7925 MT= 62 (n, n') Level 79-Au-197  
 Cross Section -100.0 To 0.000 %



MAT 7925 MT= 63 (n, n') Level 79-Au-197  
 Cross Section -100.0 To 1002. %



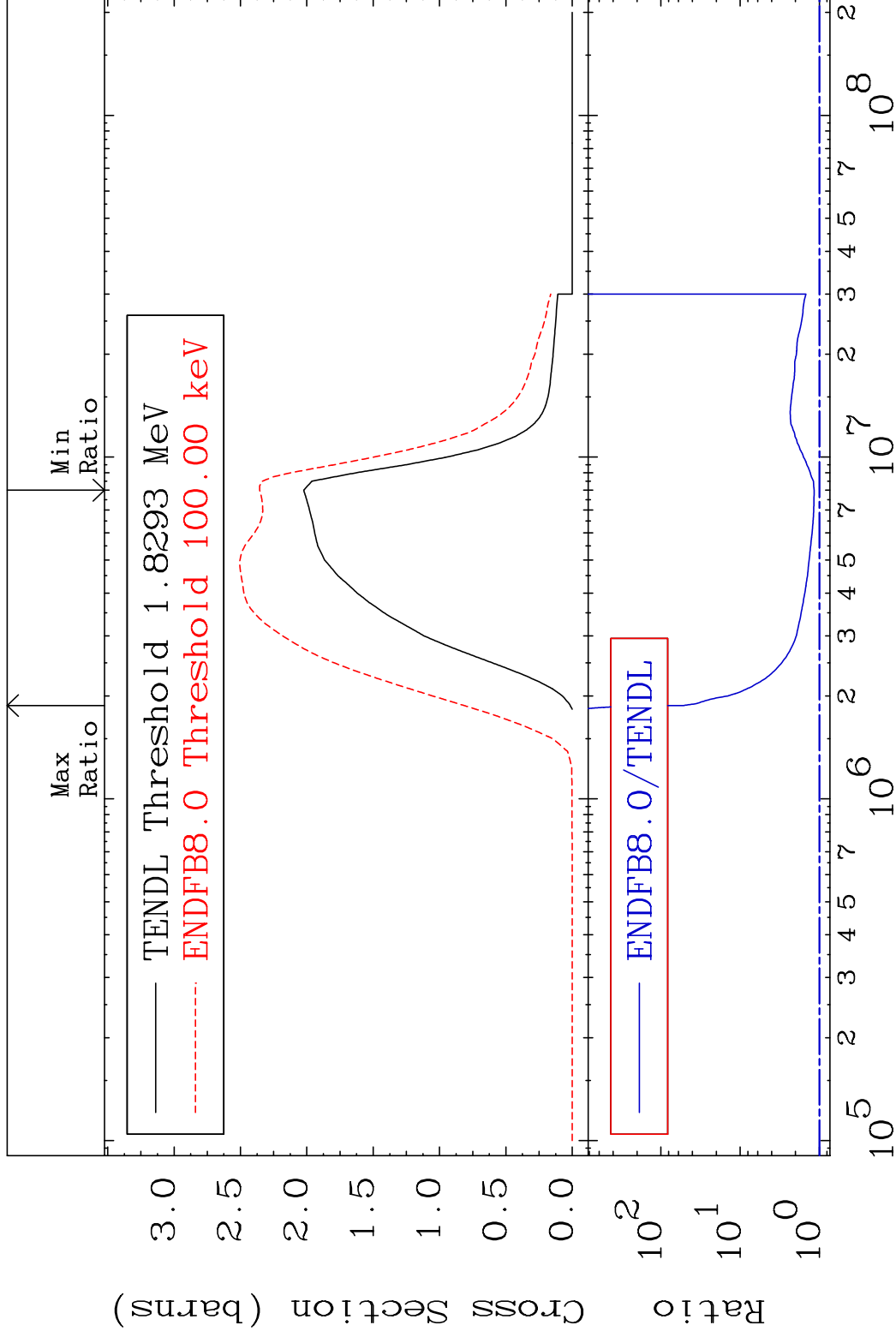
19 Incident Energy (eV) 79-Au-197

MAT 7925

(n, n') Continuum

79-Au-197

Cross Section 16.40 To 5058. %



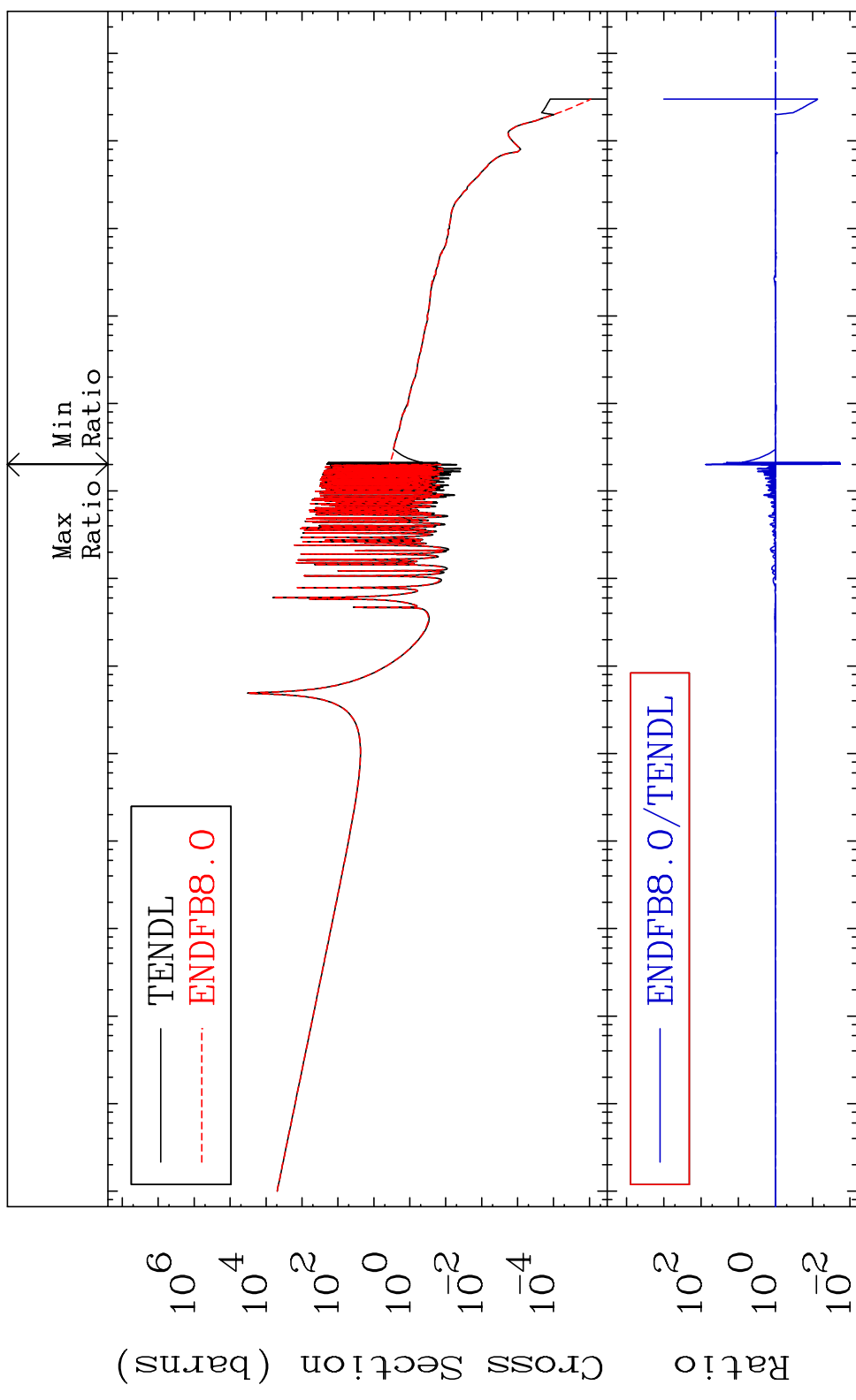
20

Incident Energy (eV)

79-Au-197

MAT 7925

(n,  $\gamma$ )  
Cross Section -98.20 To 7345. %  
79-Au-197

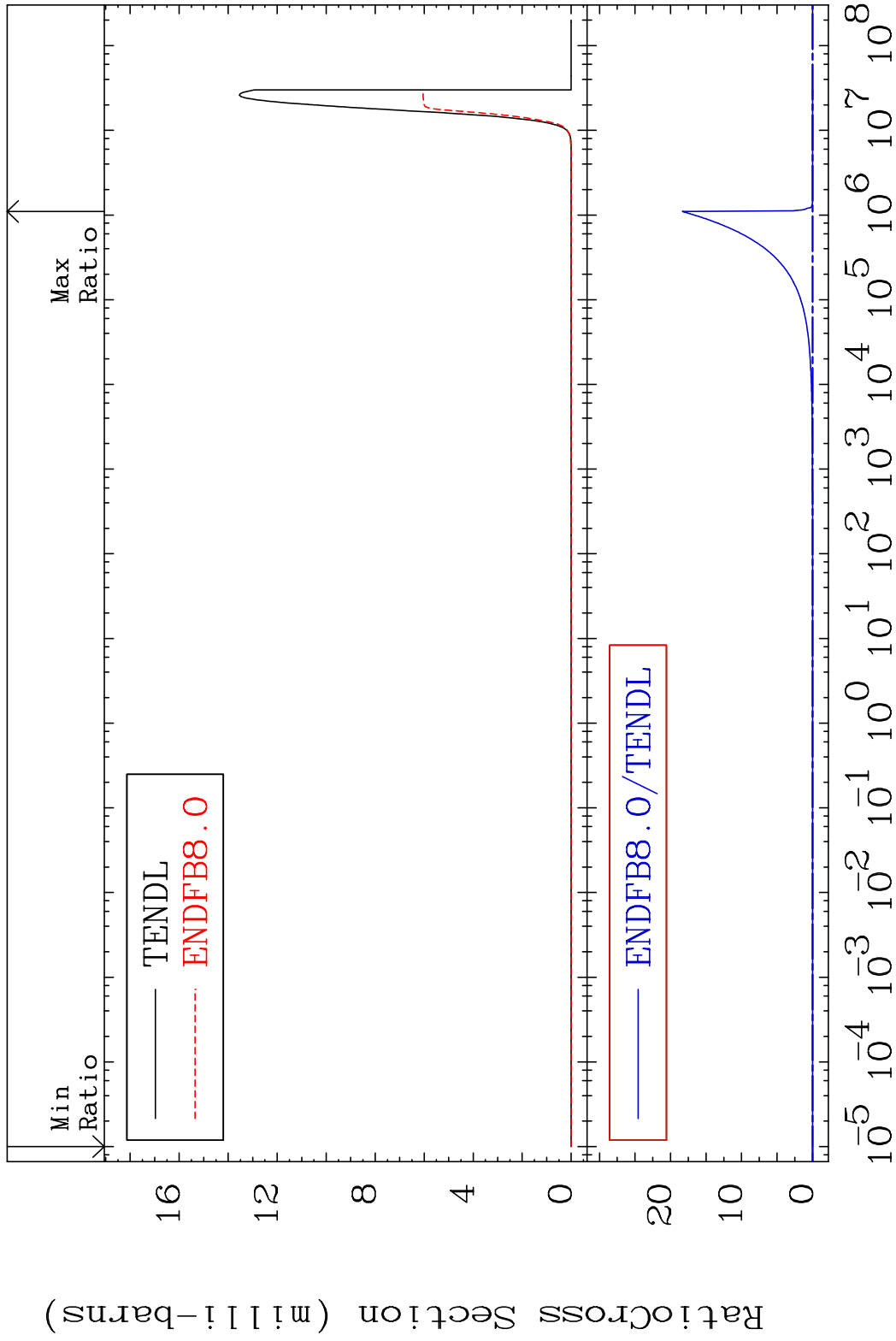


MAT 7925

(n, p)

79-Au-197

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

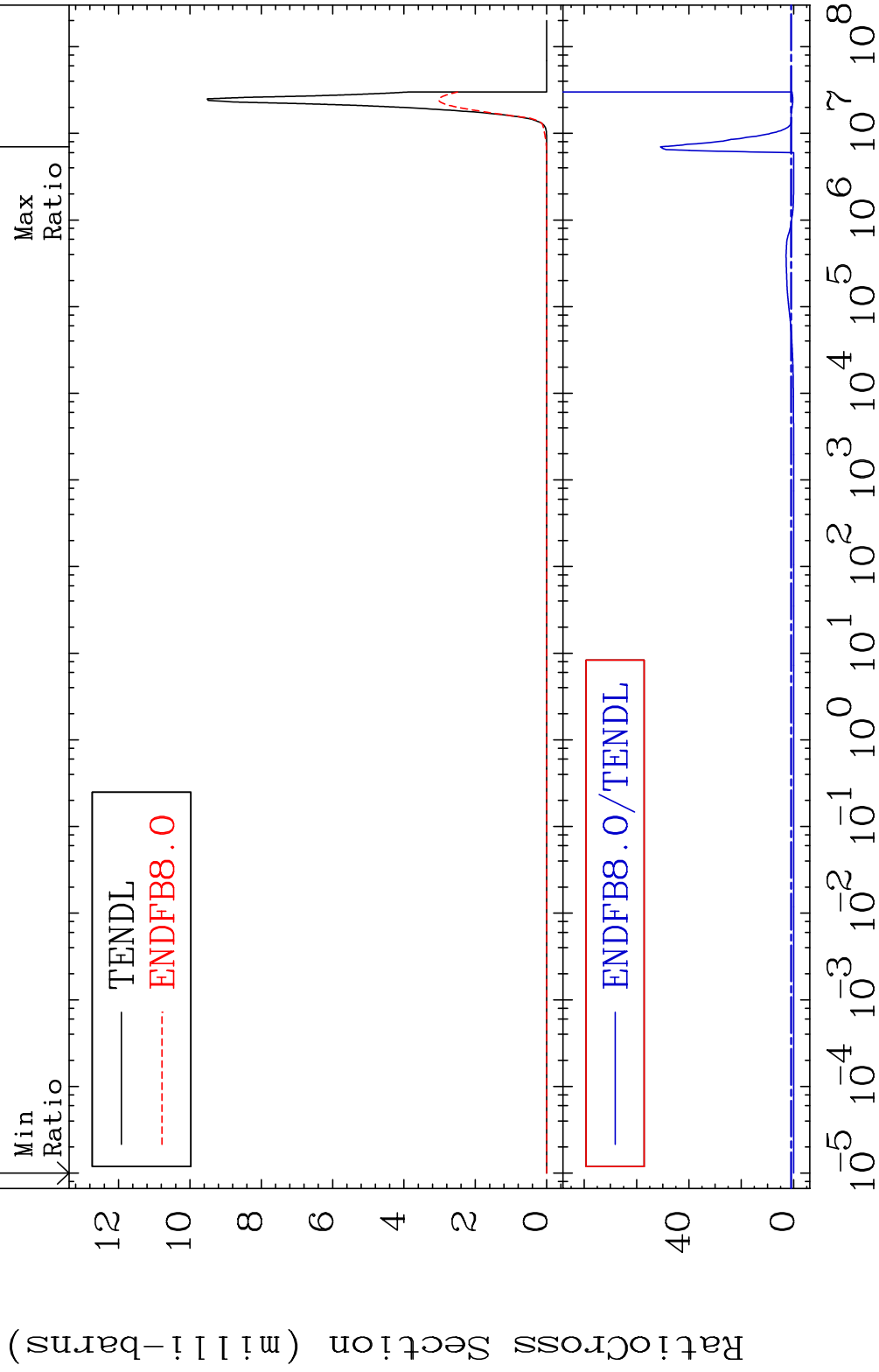
79-Au-197

MAT 7925

(n,  $\alpha$ )

79-Au-197

Cross Section -100.0 To 4989. %



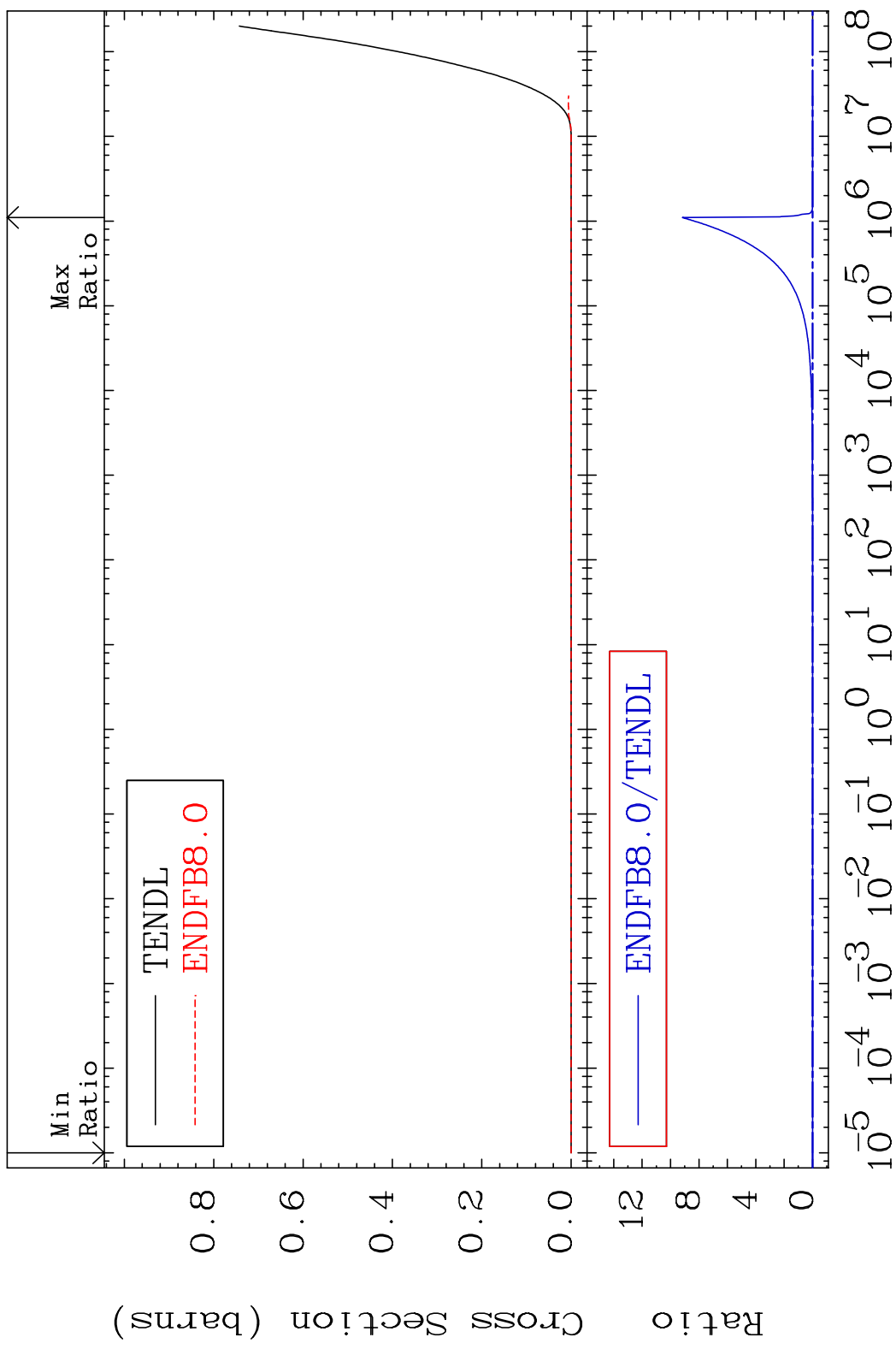
23

Incident Energy (eV)

79-Au-197



Cross Section -100.0 To 9999. %

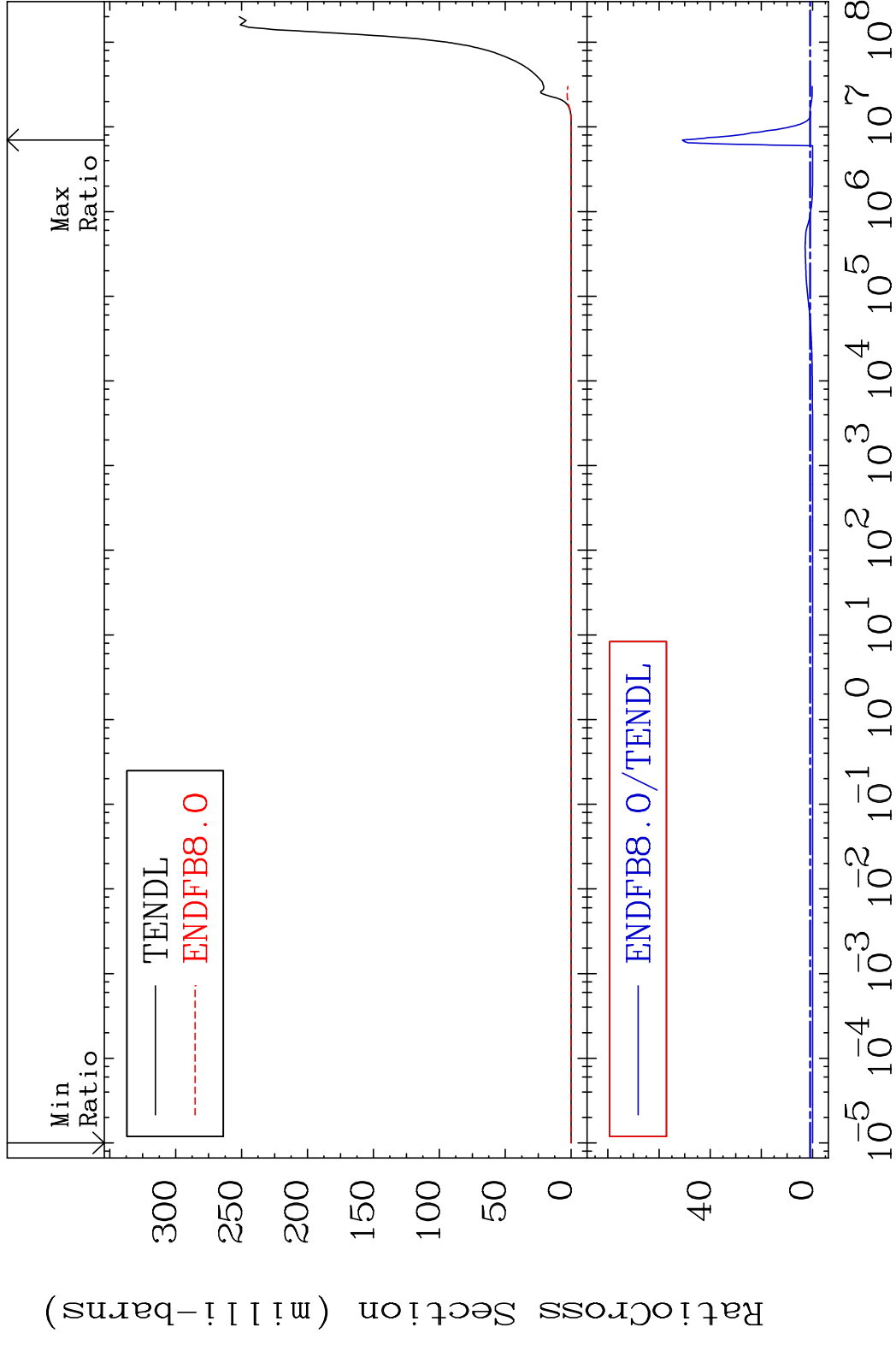


MAT 7925

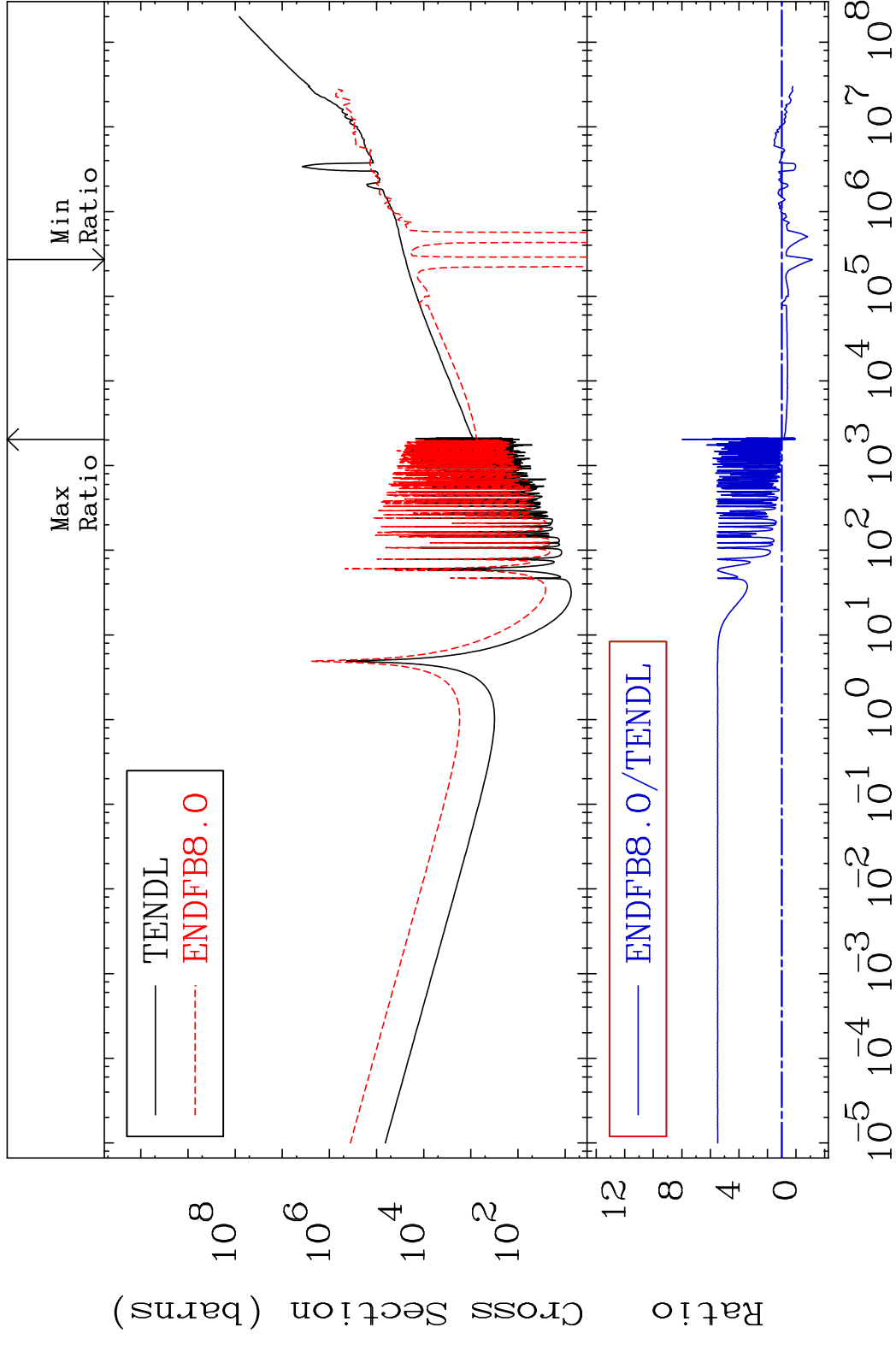
He-4 Production

79-Au-197

Cross Section -100.0 To 4989. %



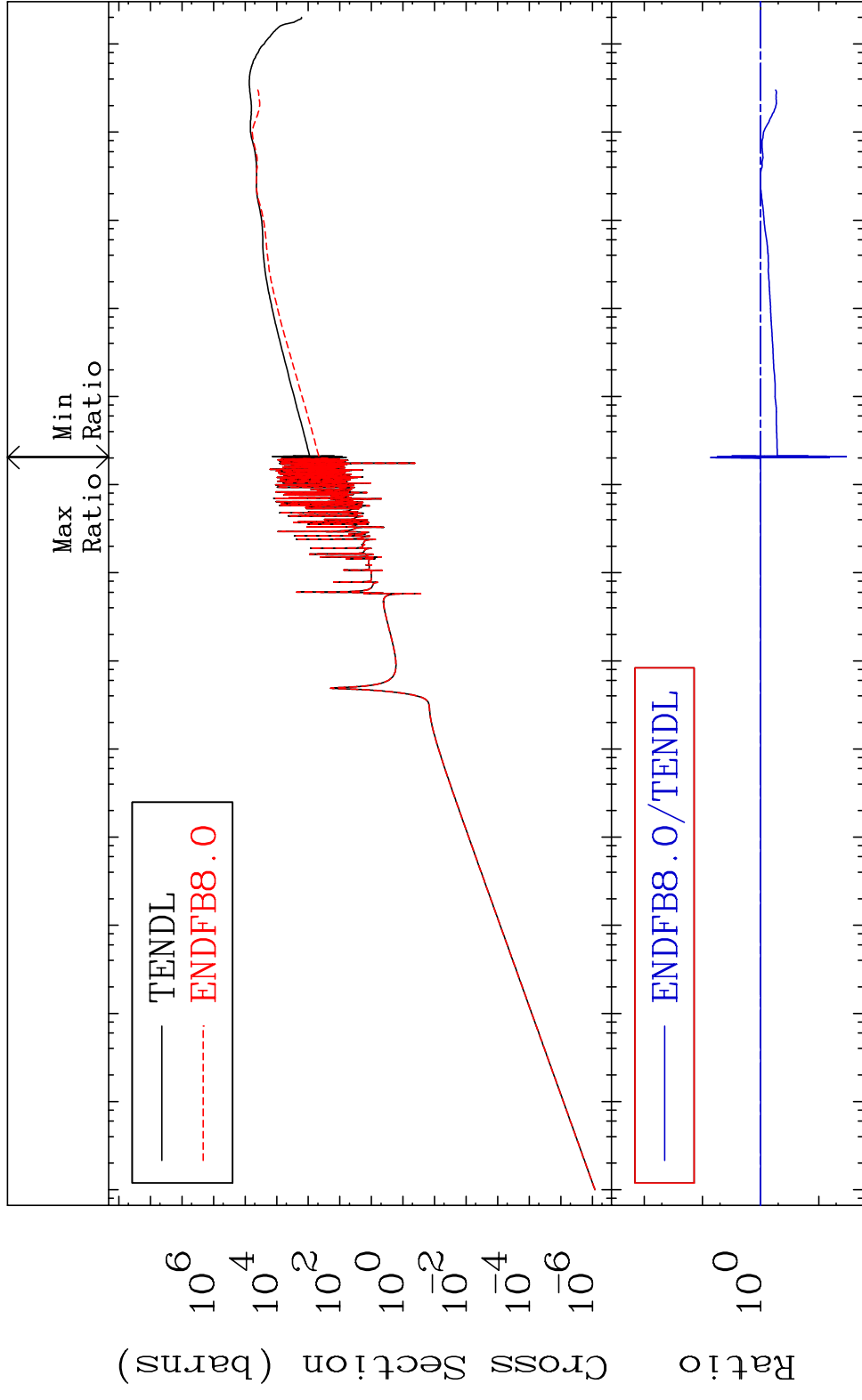
MAT 7925 Kerma total (eV-barns) 79-Au-197  
 Cross Section -215.6 To 696.3 %



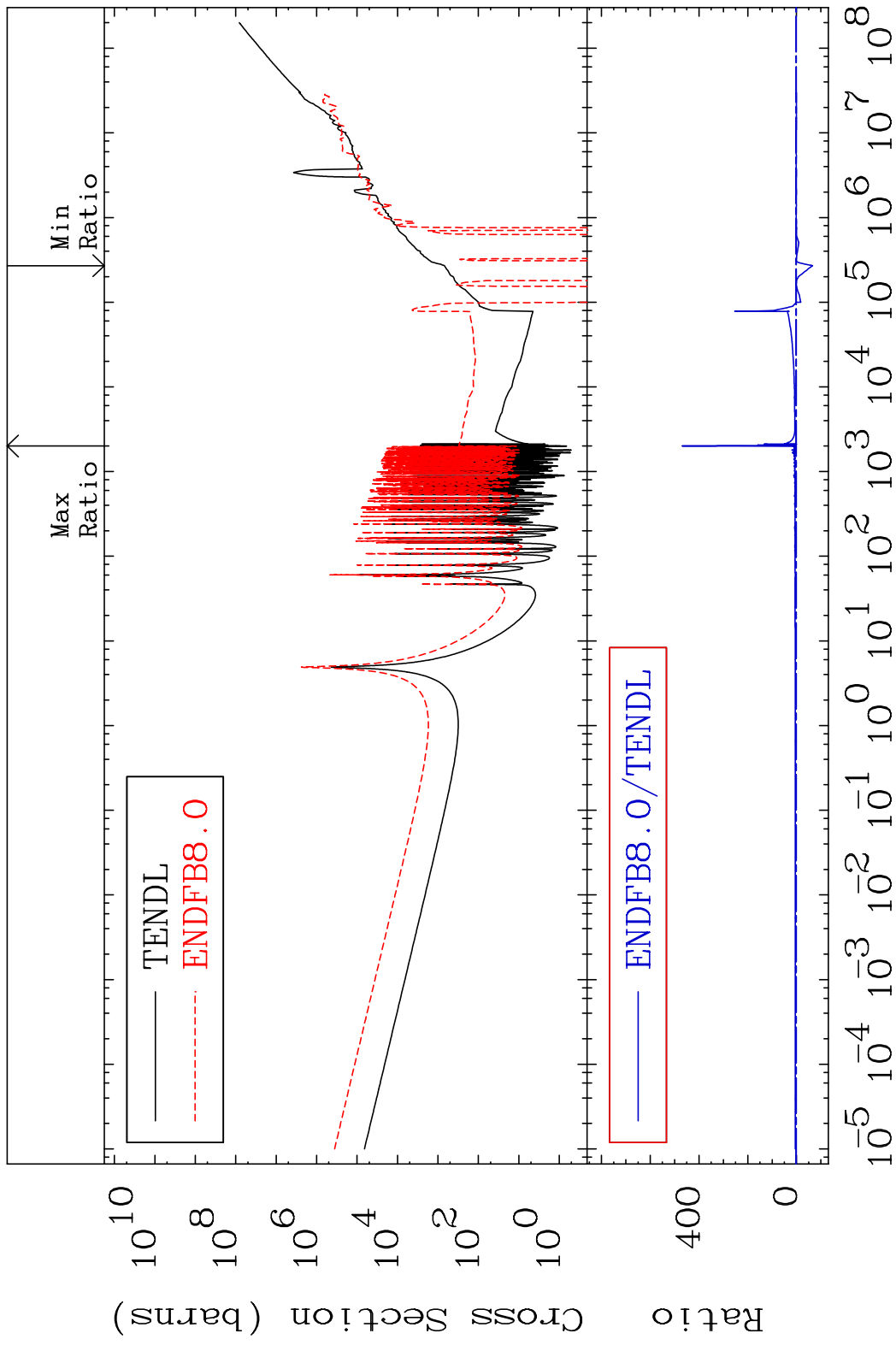
MAT 7925

Kerma elastic  
Cross Section

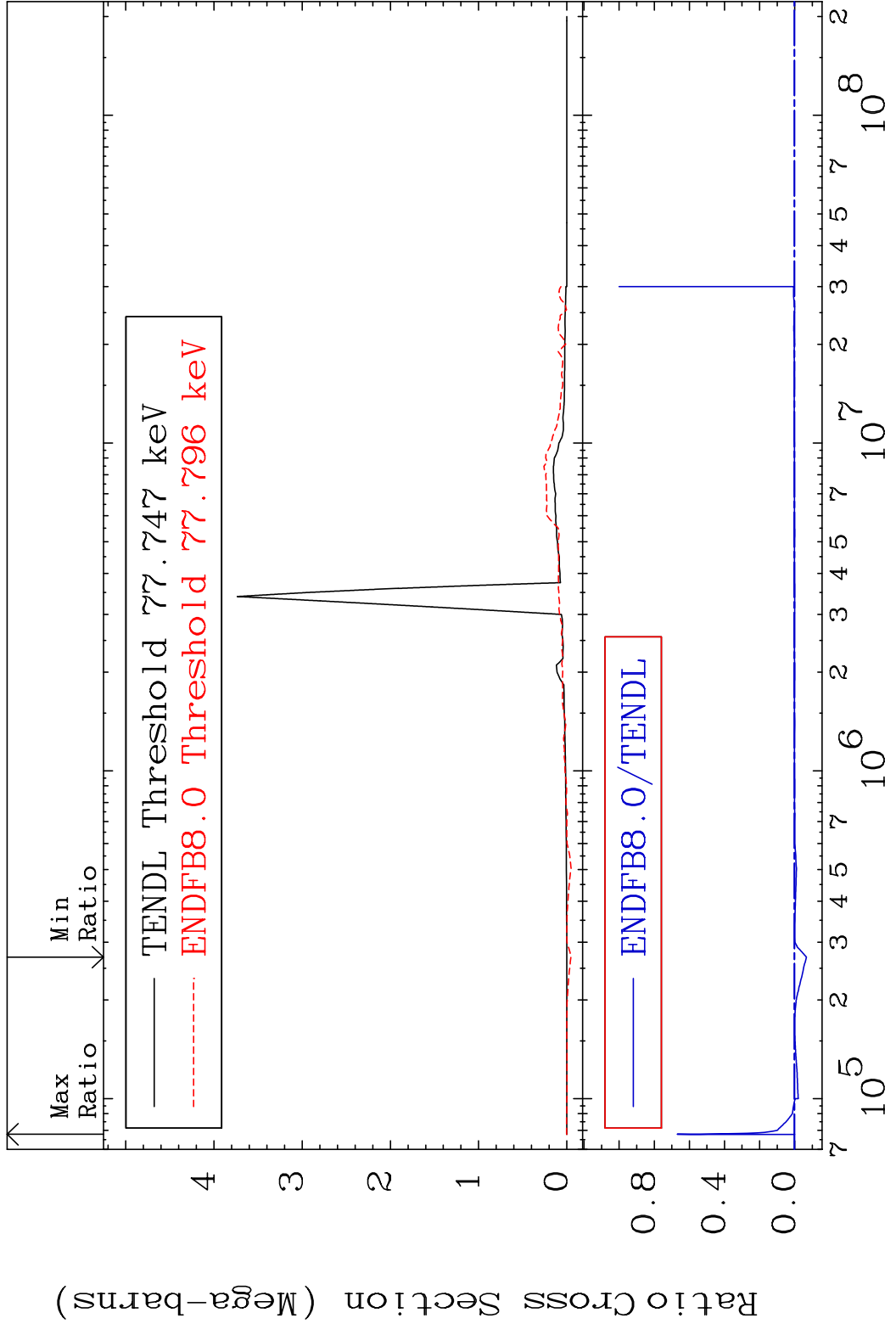
79-Au-197  
-96.64 To 620.1 %



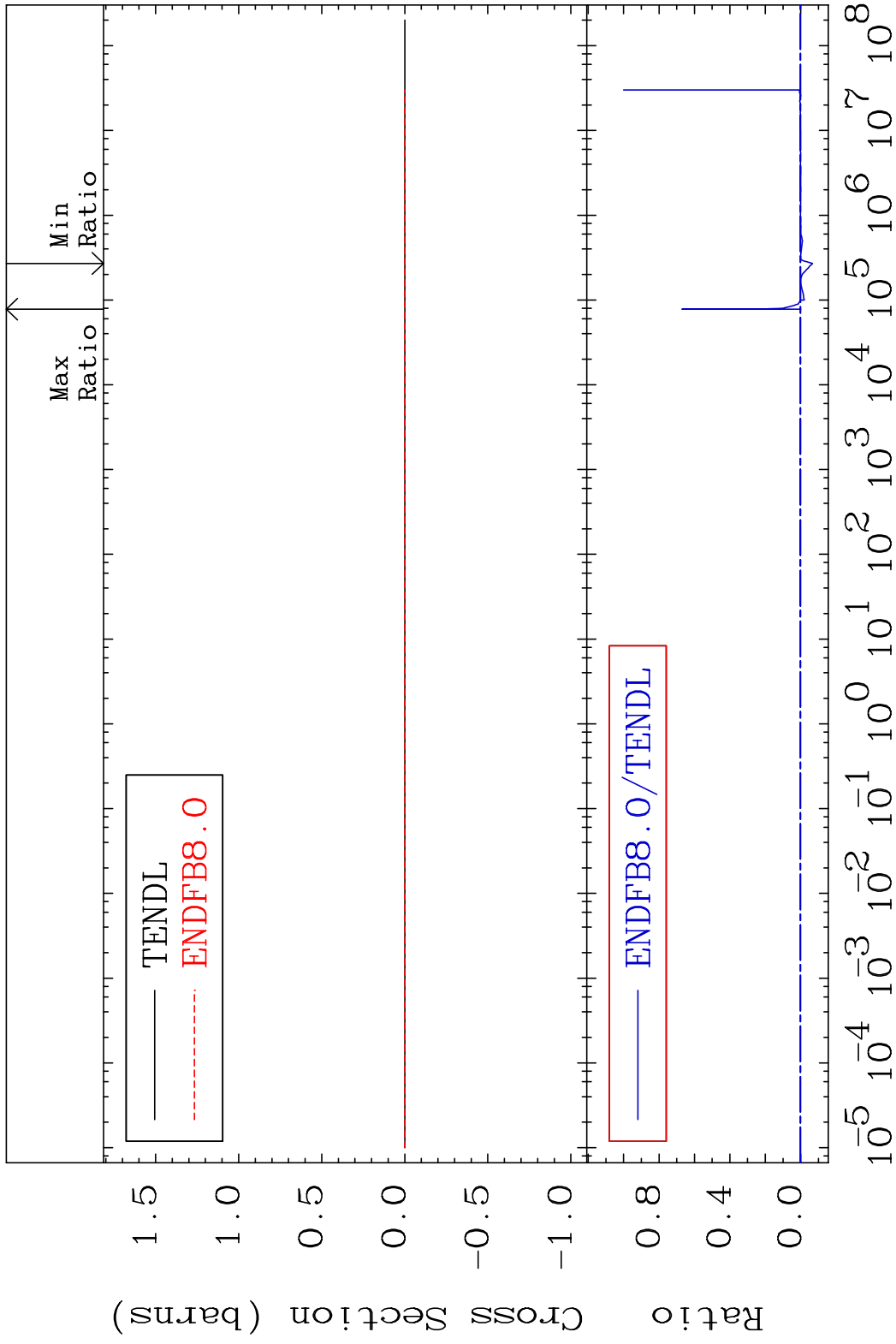
MAT 7925 Kerma non-elastic (all but mt2) 79-Au-197  
 Cross Section -6683. To 9999. %



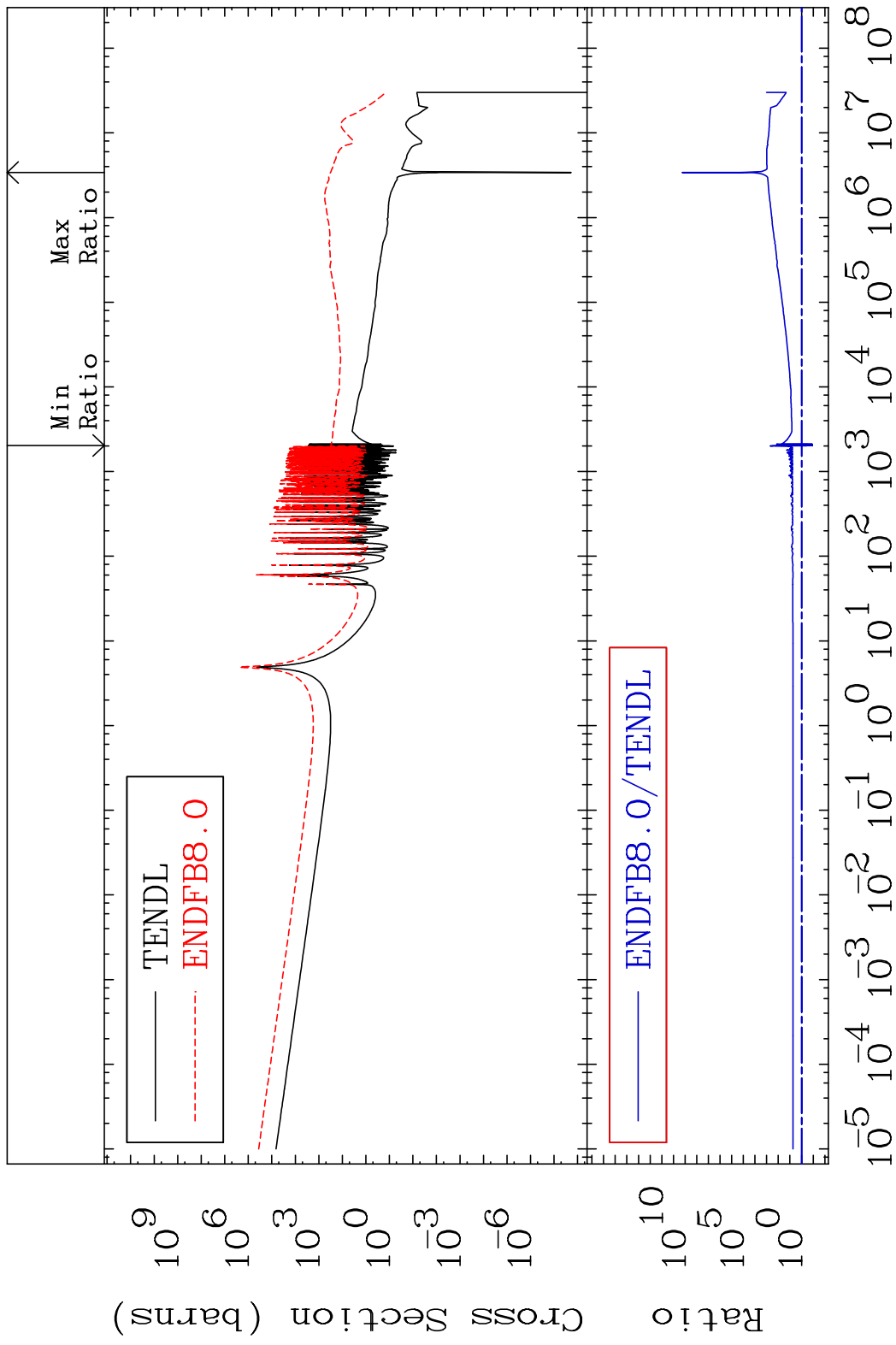
MAT 7925 Kerma inelastic (mt51-91) 79-Au-197  
 Cross Section -6758. To 9999. %



MAT 7925 Kerma fission (mt18 or mt19-20-21-38) 79-Au-197  
 Cross Section -6758. To 9999. %

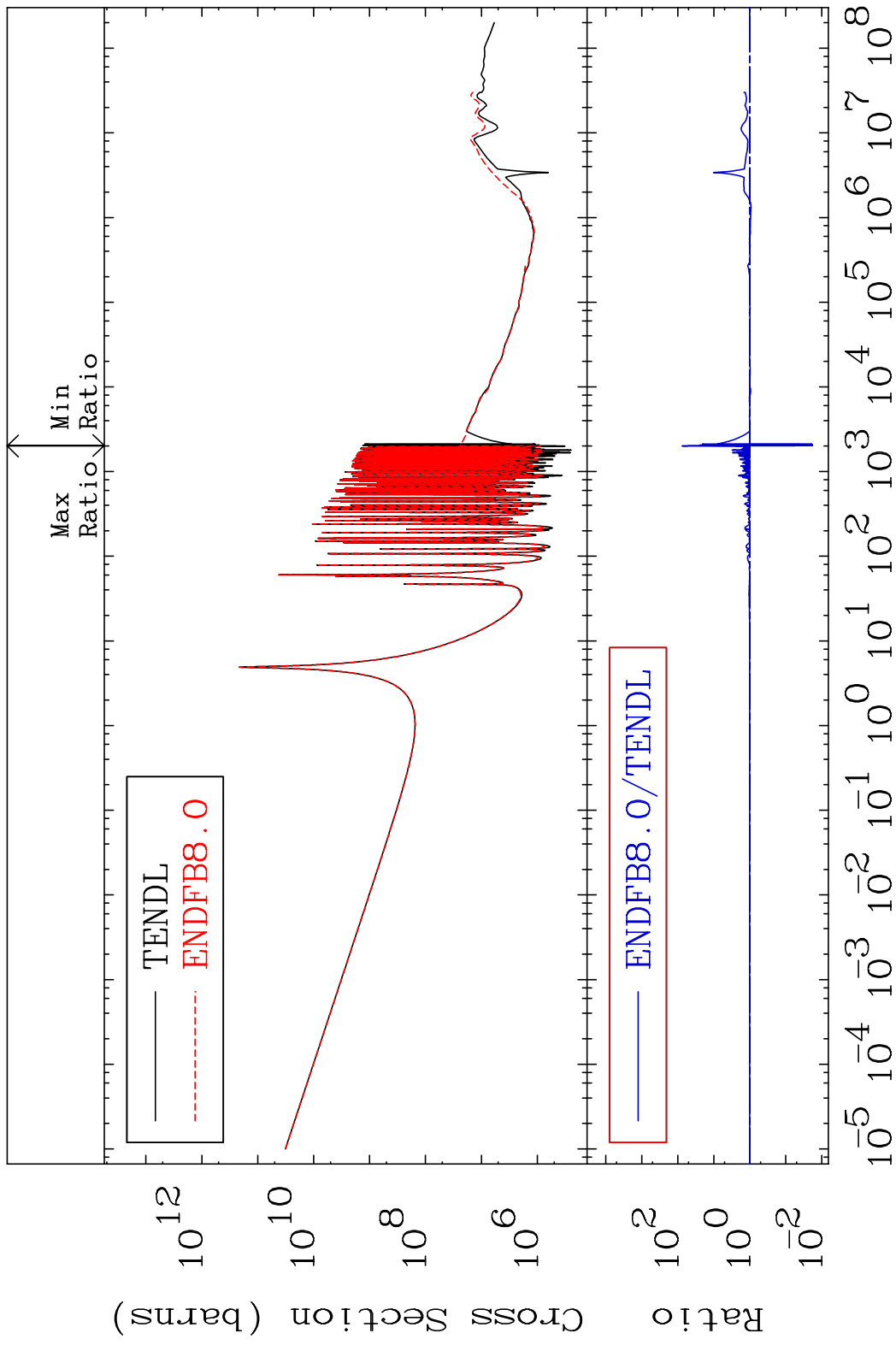


MAT 7925 Kerma capture (mt102) 79-Au-197  
 Cross Section -88.64 To 9999. %

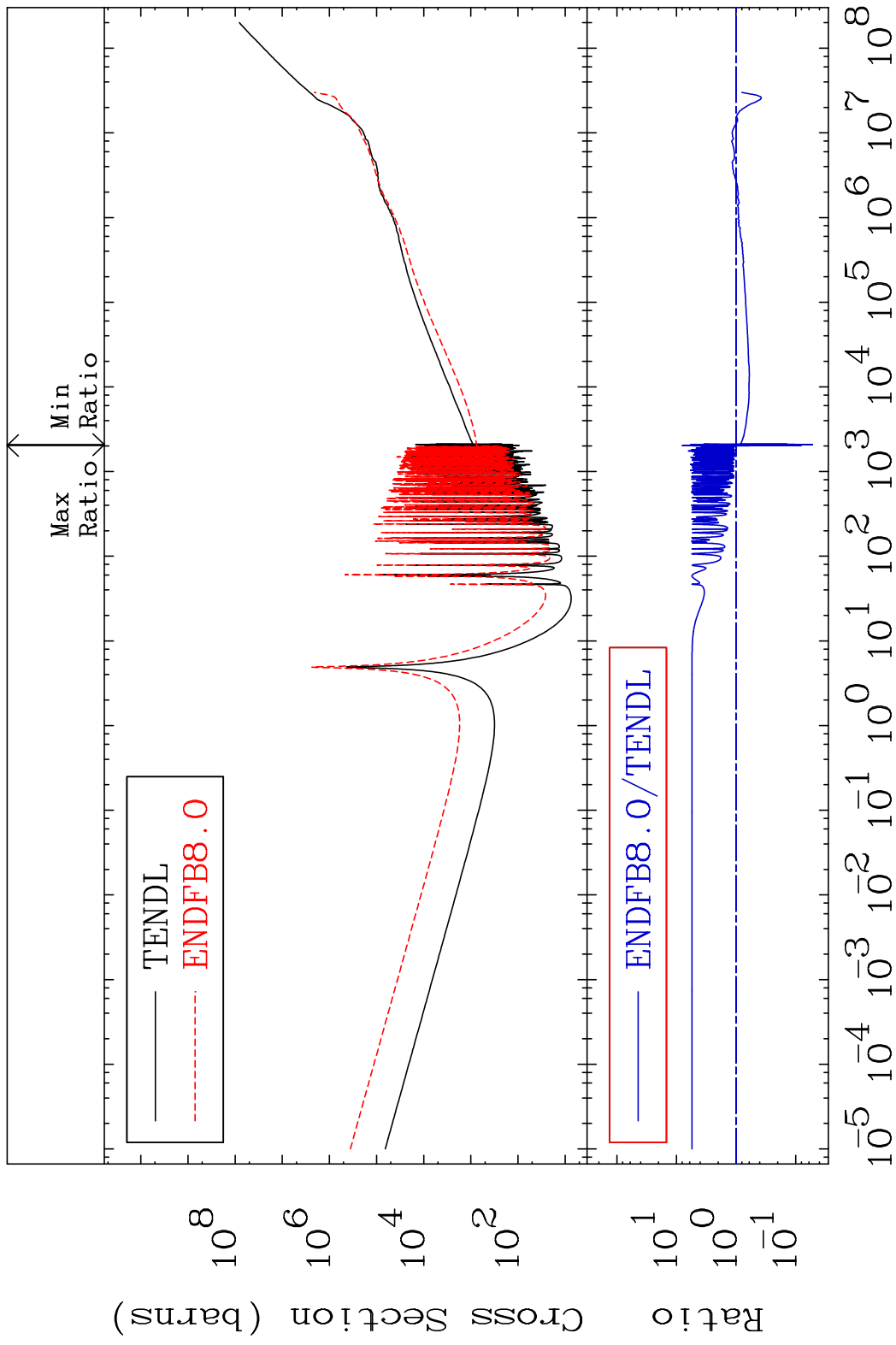




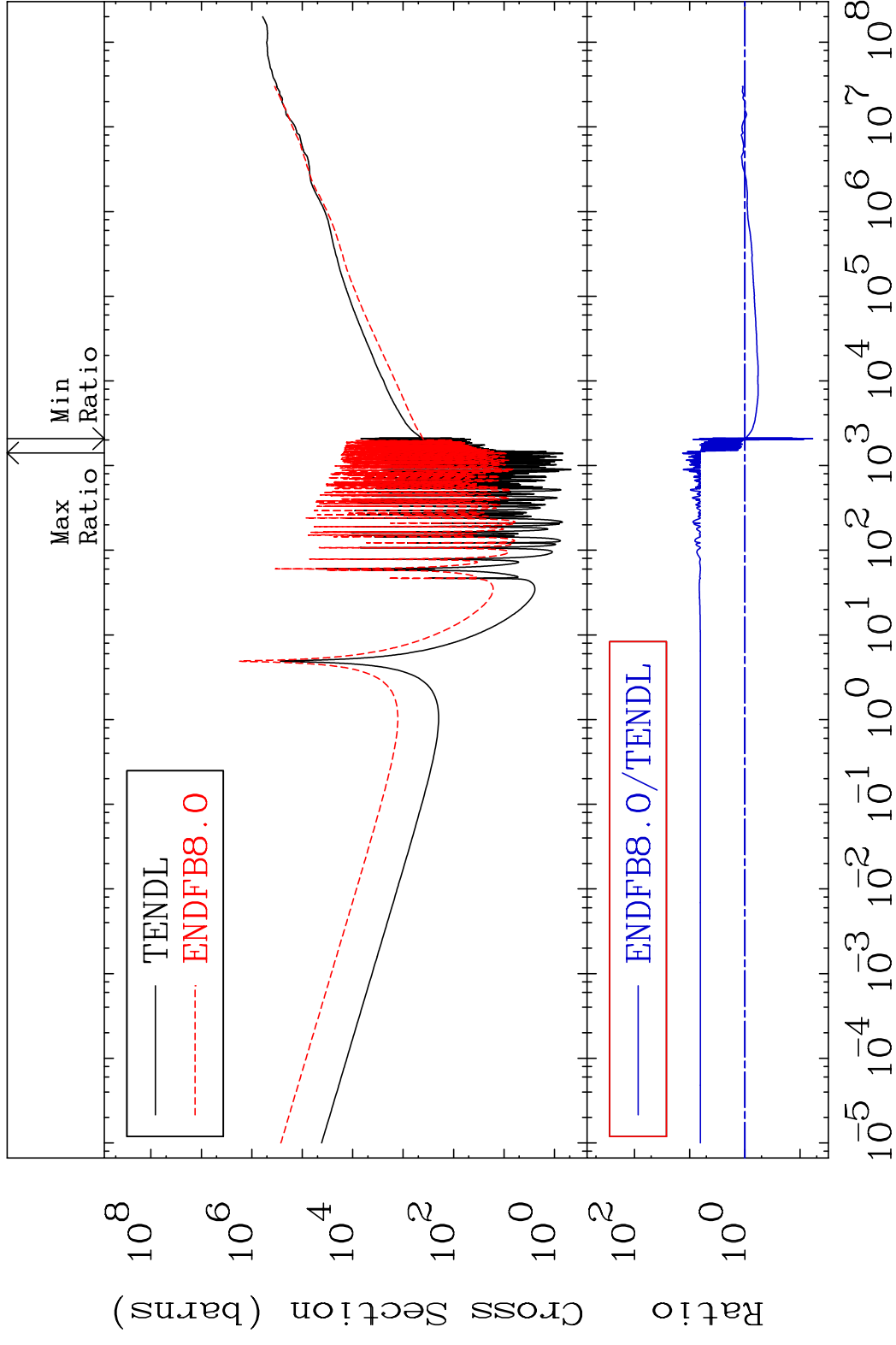
MAT 7925 Total photon (eV-barns) 79-Au-197  
 Cross Section -98.20 To 7345. %



MAT 7925 Total kinematic kerma (high limit) 79-Au-197  
 Cross Section -94.80 To 696.3 %



Cross Section -94.06 To 1263. %

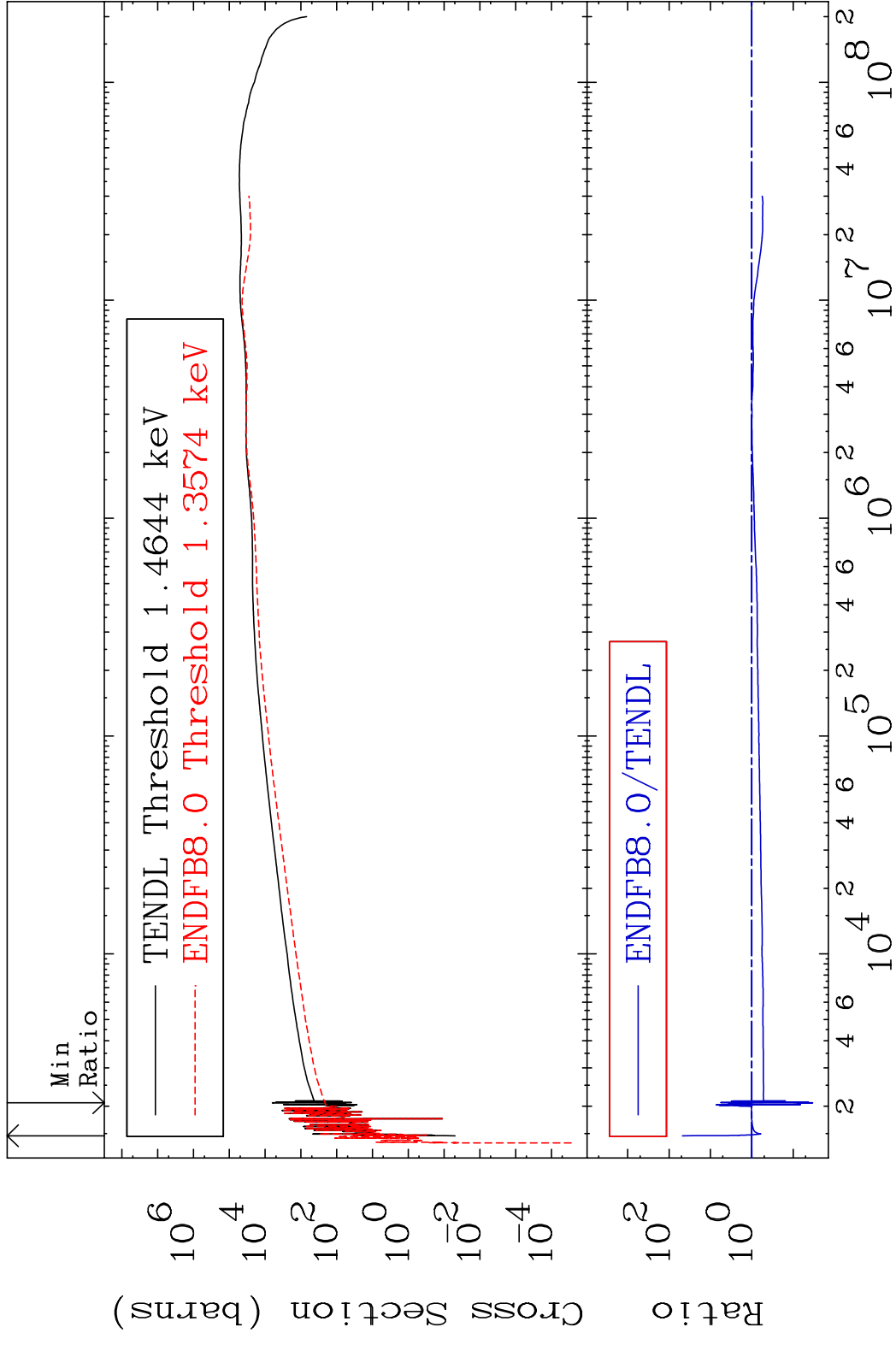


MAT 7925

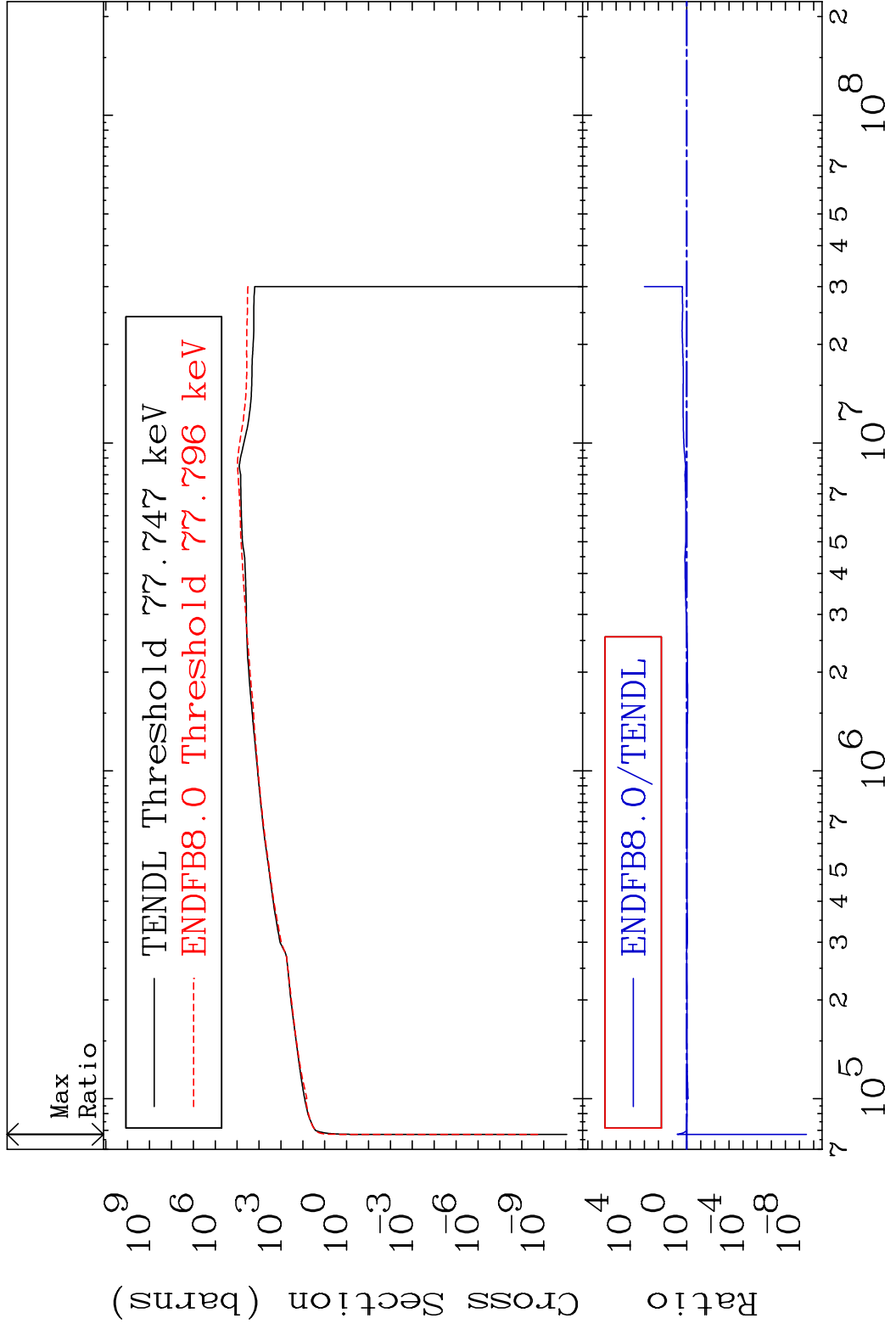
Dpa elastic (mt2)

79-Au-197

Cross Section -96.61 To 4669. %



MAT 7925 Dpa inelastic (mt51-91) 79-Au-197  
 Cross Section -100.0 To 368.3 %



MAT 7925 Dpa disappearance (mt102 -120) 79-Au-197  
 Cross Section -88.37 To 9999. %

