

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

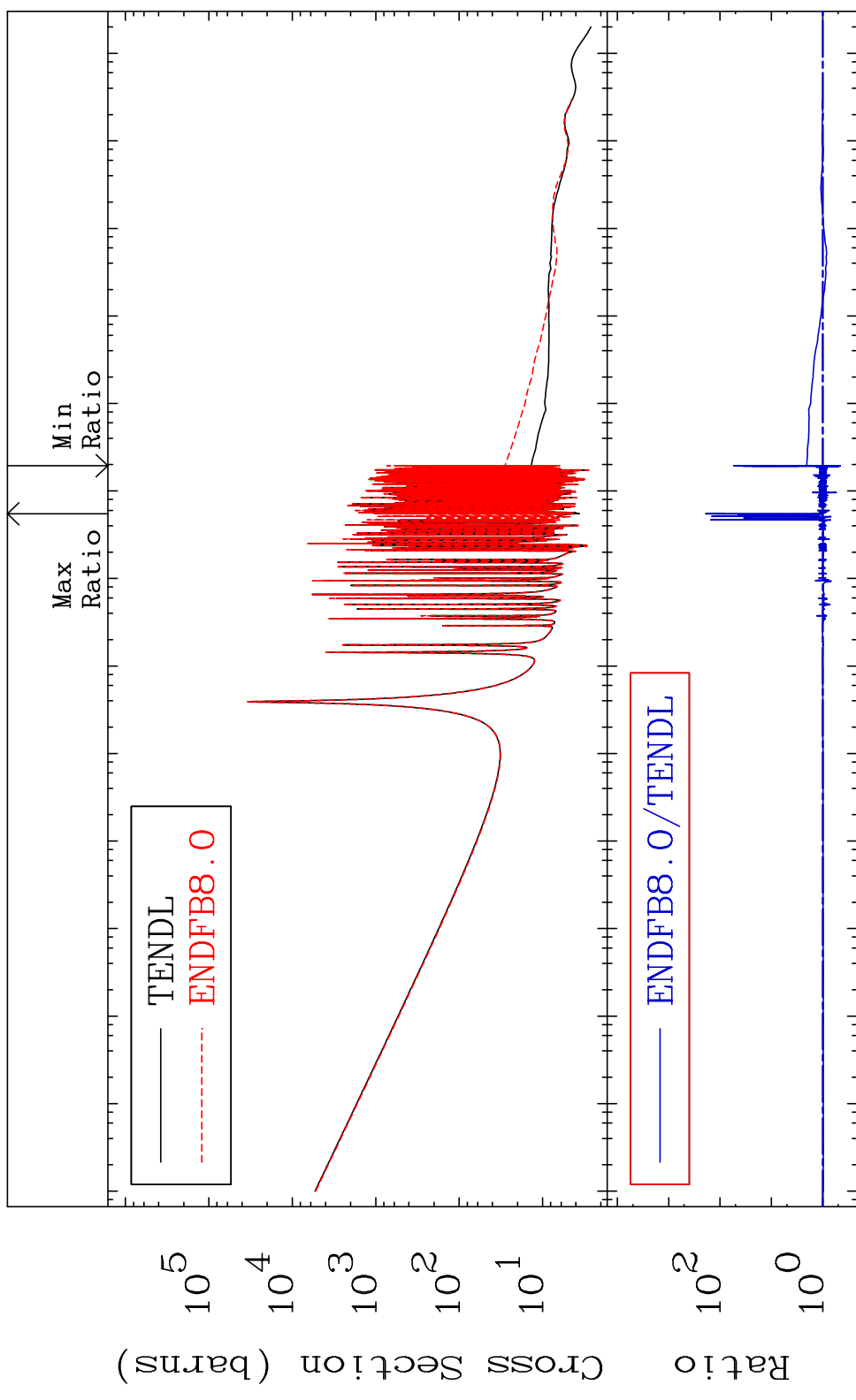
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6925

Total Cross Section -54.71 To 9999. %  
69-Tm-169



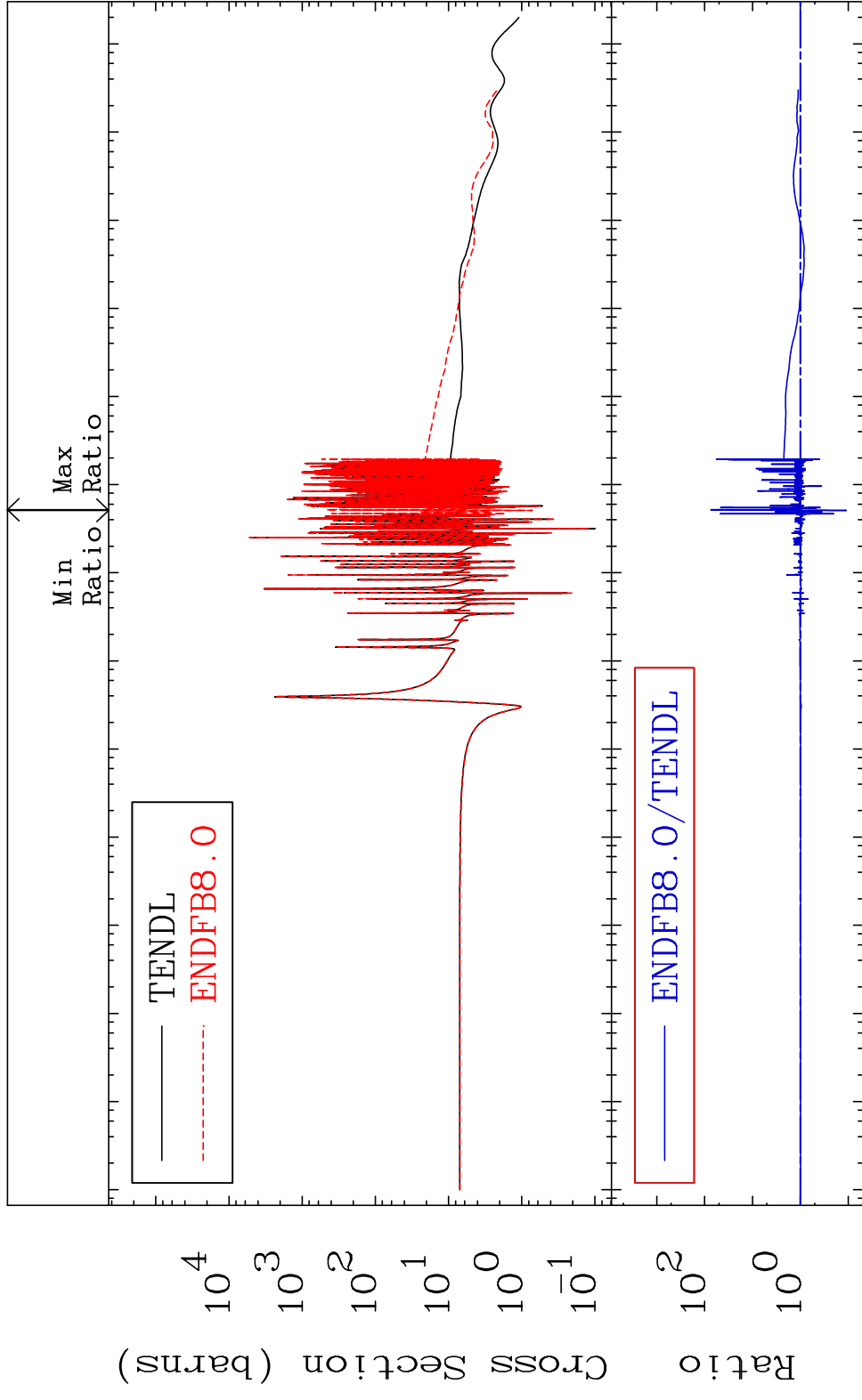
1 Incident Energy (eV) 69-Tm-169

MAT 6925

Elastic

69-Tm-169

Cross Section -89.06 To 7355. %



2

Incident Energy (eV)

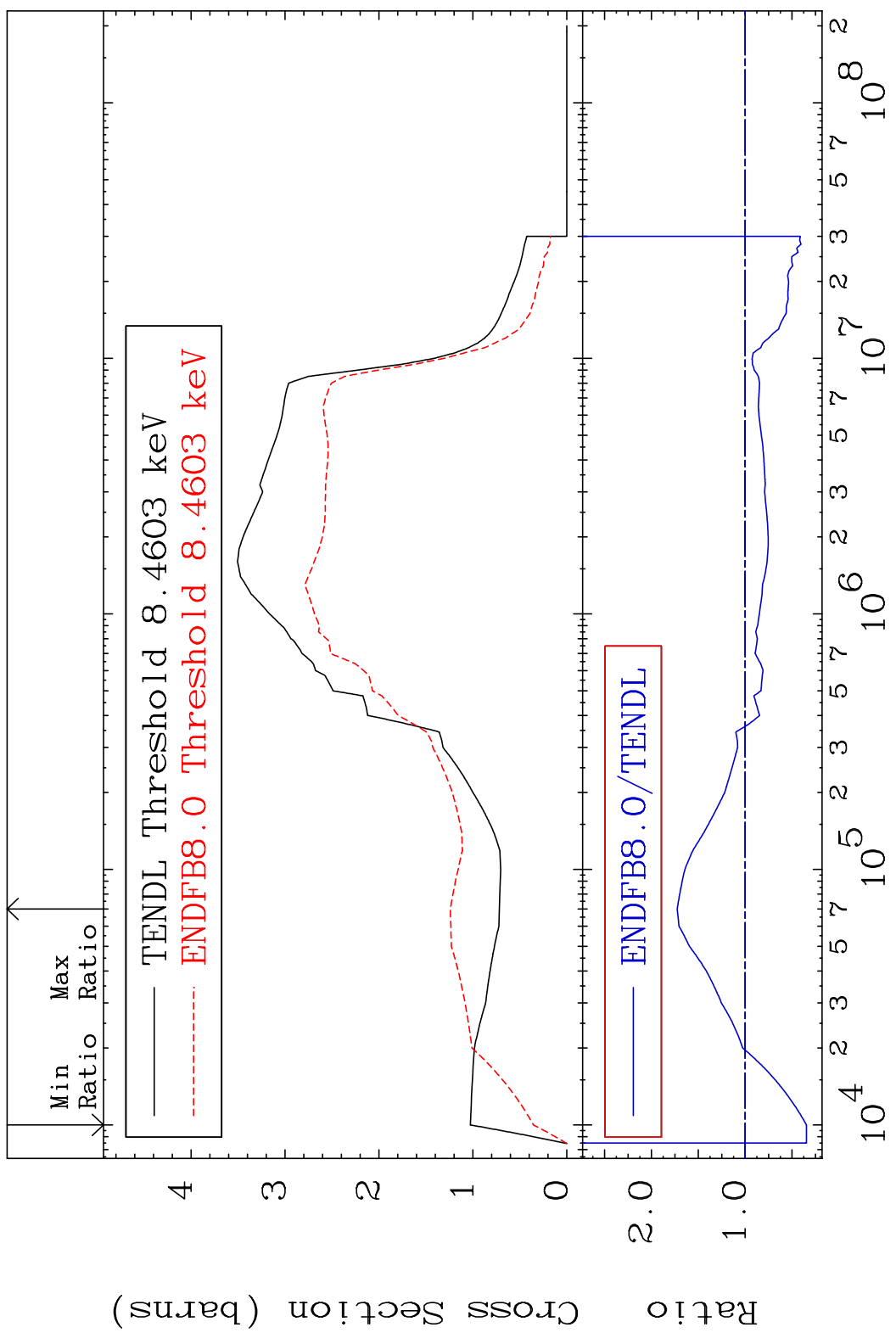
69-Tm-169

MAT 6925

Inelastic

69-Tm-169

Cross Section -65.29 To 72.58 %



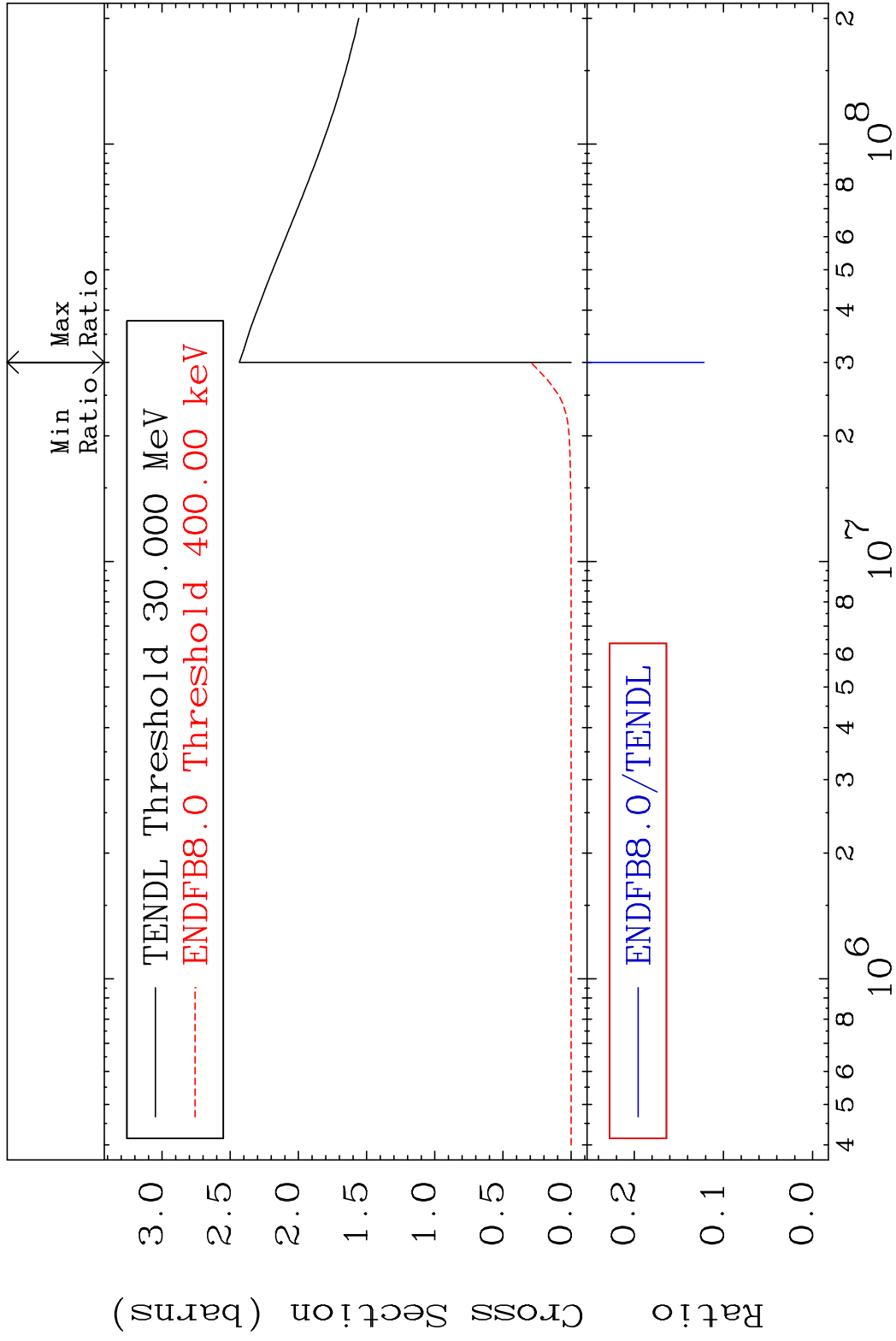
3 Incident Energy (eV) 69-Tm-169

MAT 6925

(n, remainder)

69-Tm-169

Cross Section -87.83 To -87.83%



4

Incident Energy (eV)

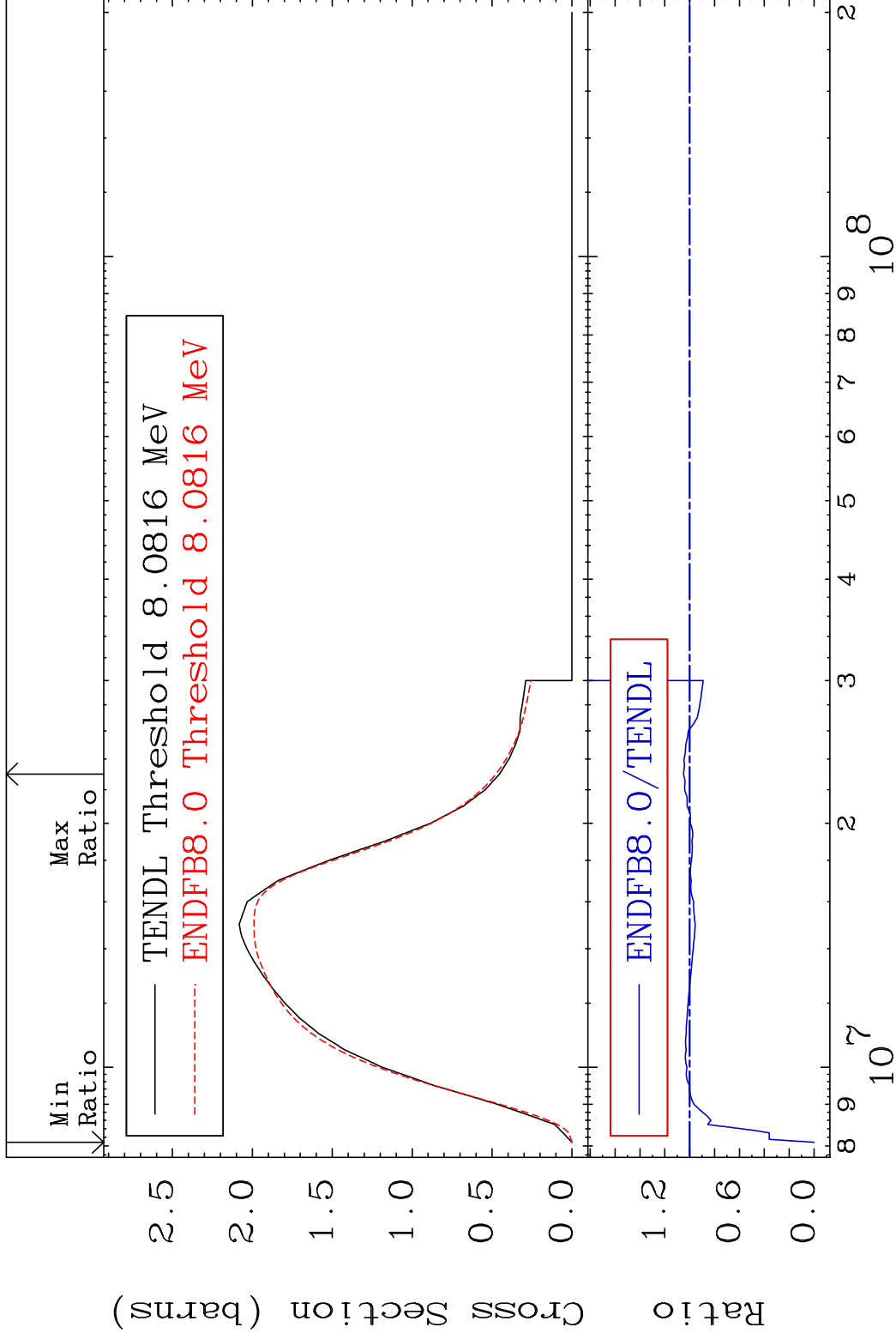
69-Tm-169

MAT 6925

(n,2n)

69-Tm-169

Cross Section -100.0 To 4.998 %



5

Incident Energy (eV)

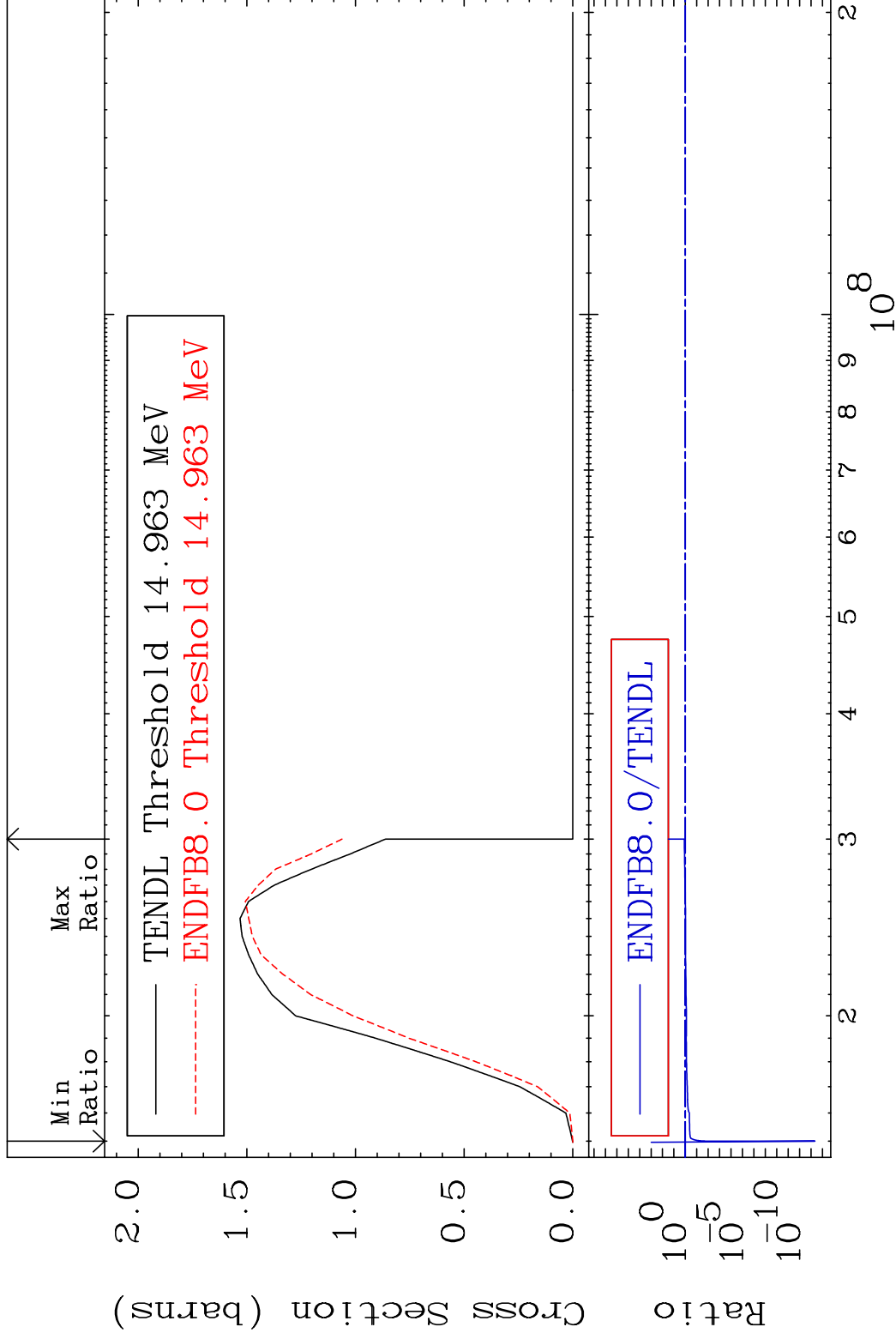
69-Tm-169

MAT 6925

(n,3n)

69-Tm-169

Cross Section -100.0 To 23.23 %



6

Incident Energy (eV)

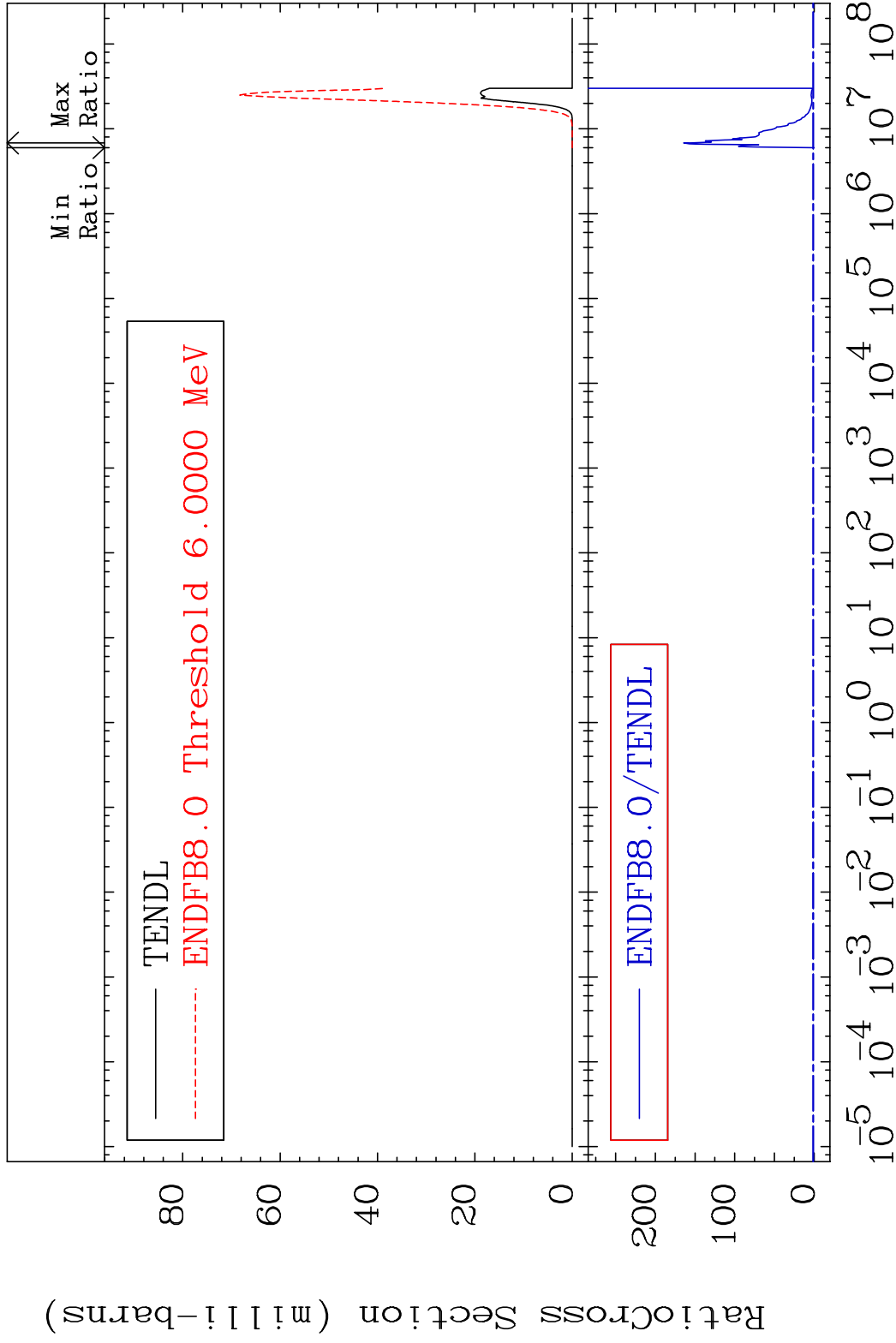
69-Tm-169

MAT 6925

(n, n')  $\alpha$

69-Tm-169

Cross Section -100.0 To 9999. %



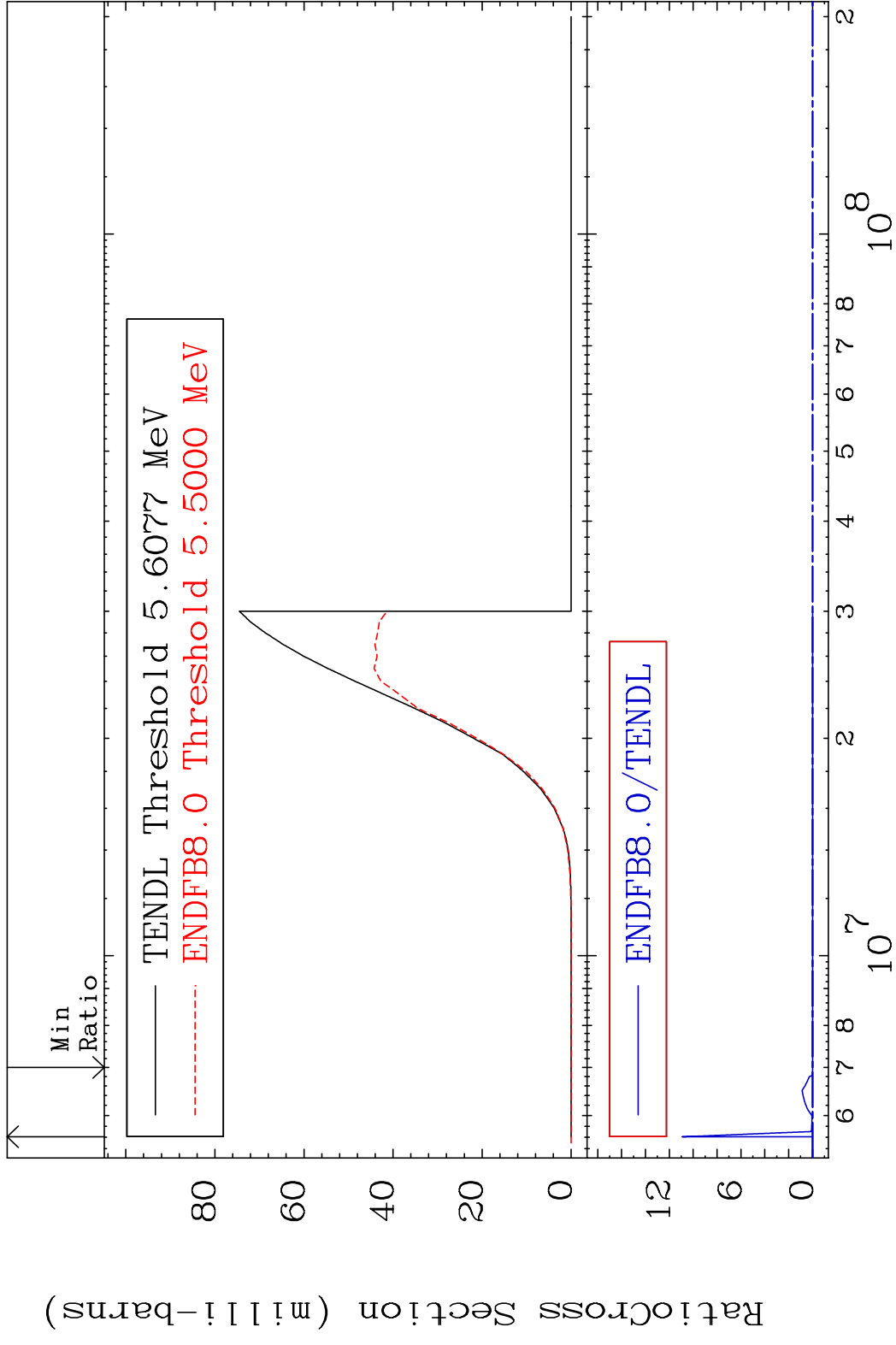
7

Incident Energy (eV)

69-Tm-169



MAT 6925 (n, n') p 69-Tm-169  
 Cross Section -100.0 To 9999. %



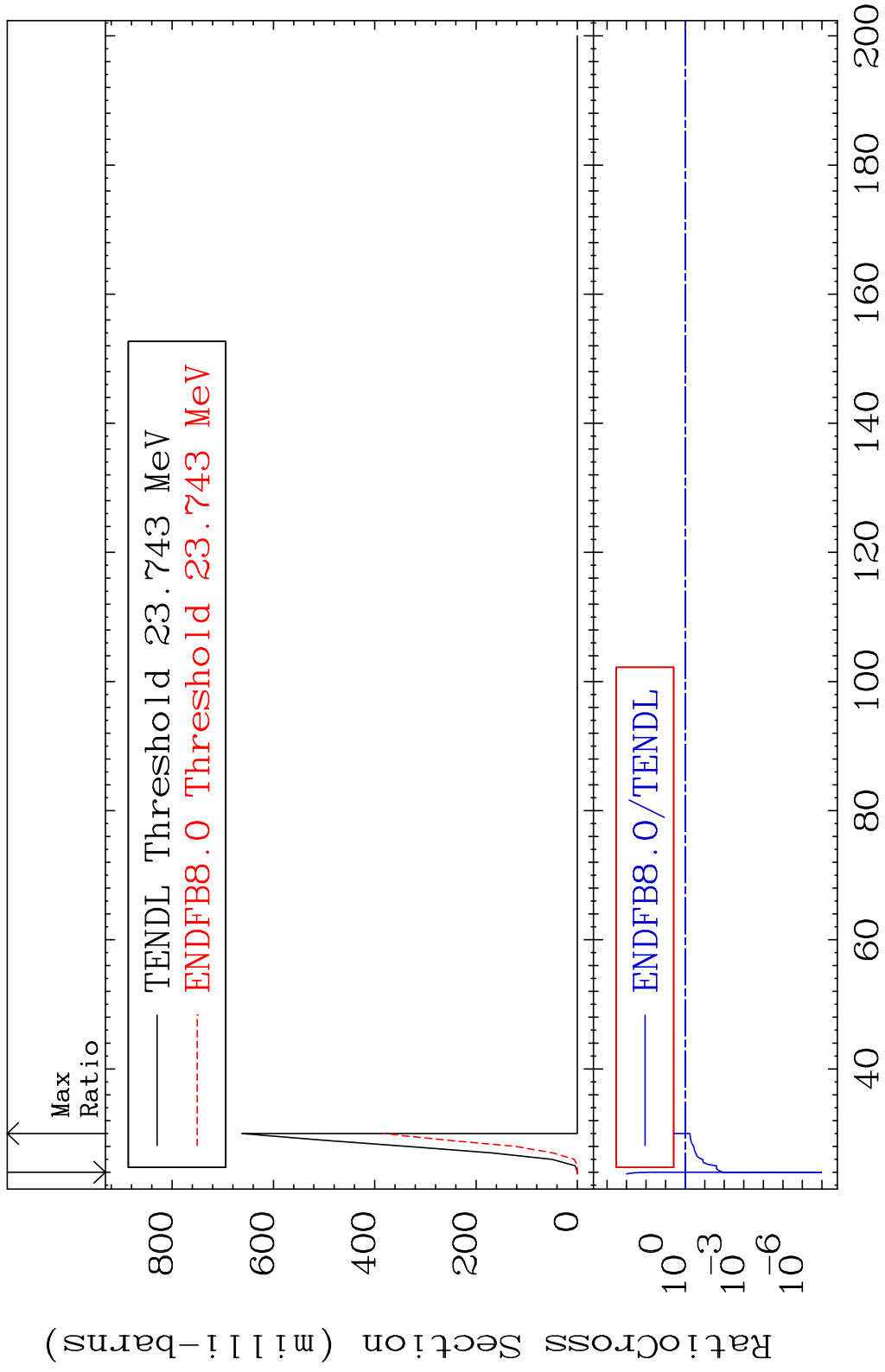
8 Incident Energy (eV) 69-Tm-169

MAT 6925

(n,4n)

69-Tm-169

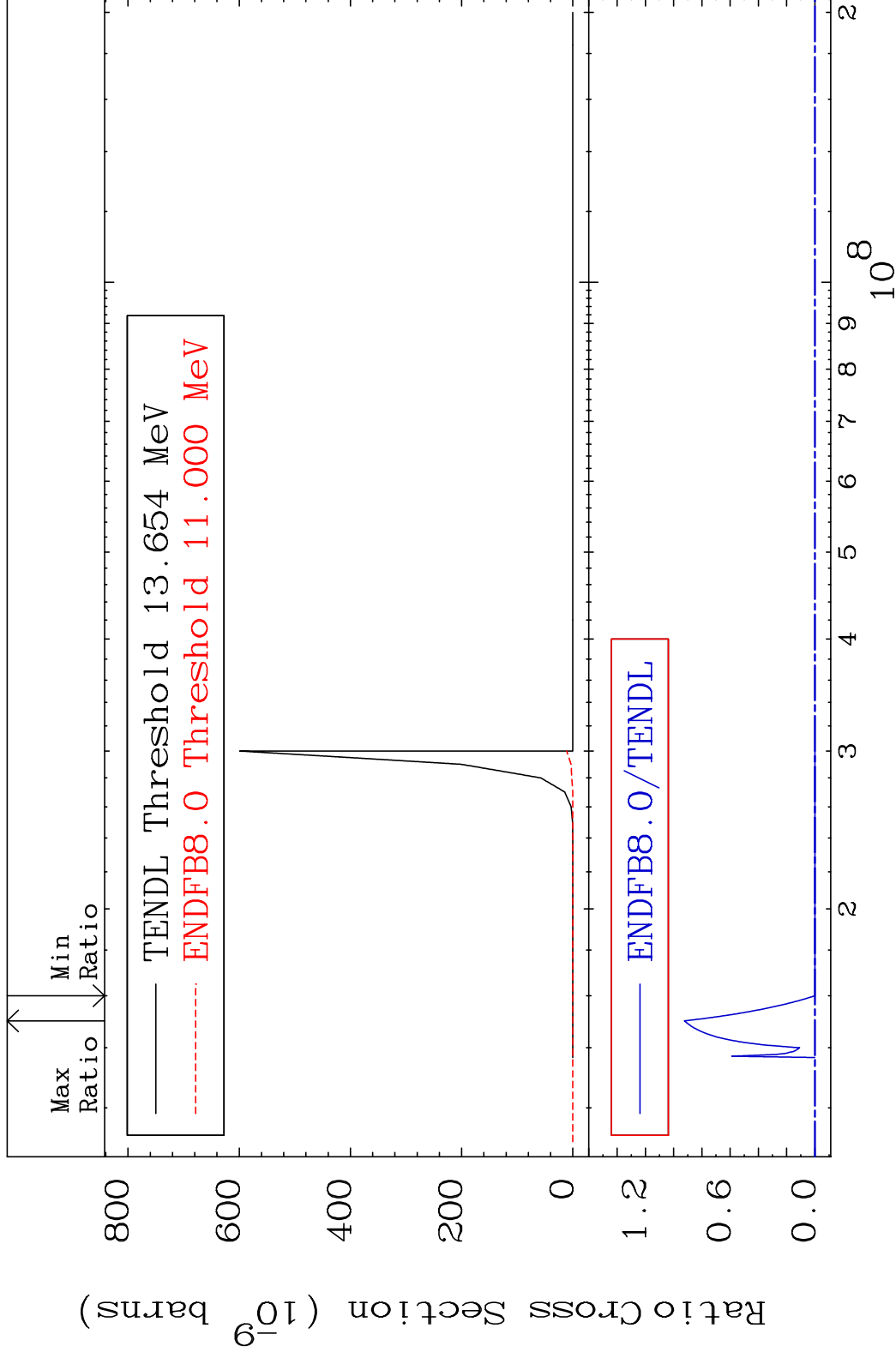
Cross Section -100.0 To -42.00%



MAT 6925

(n,2n) p 69-Tm-169

Cross Section -100.0 To 9999. %

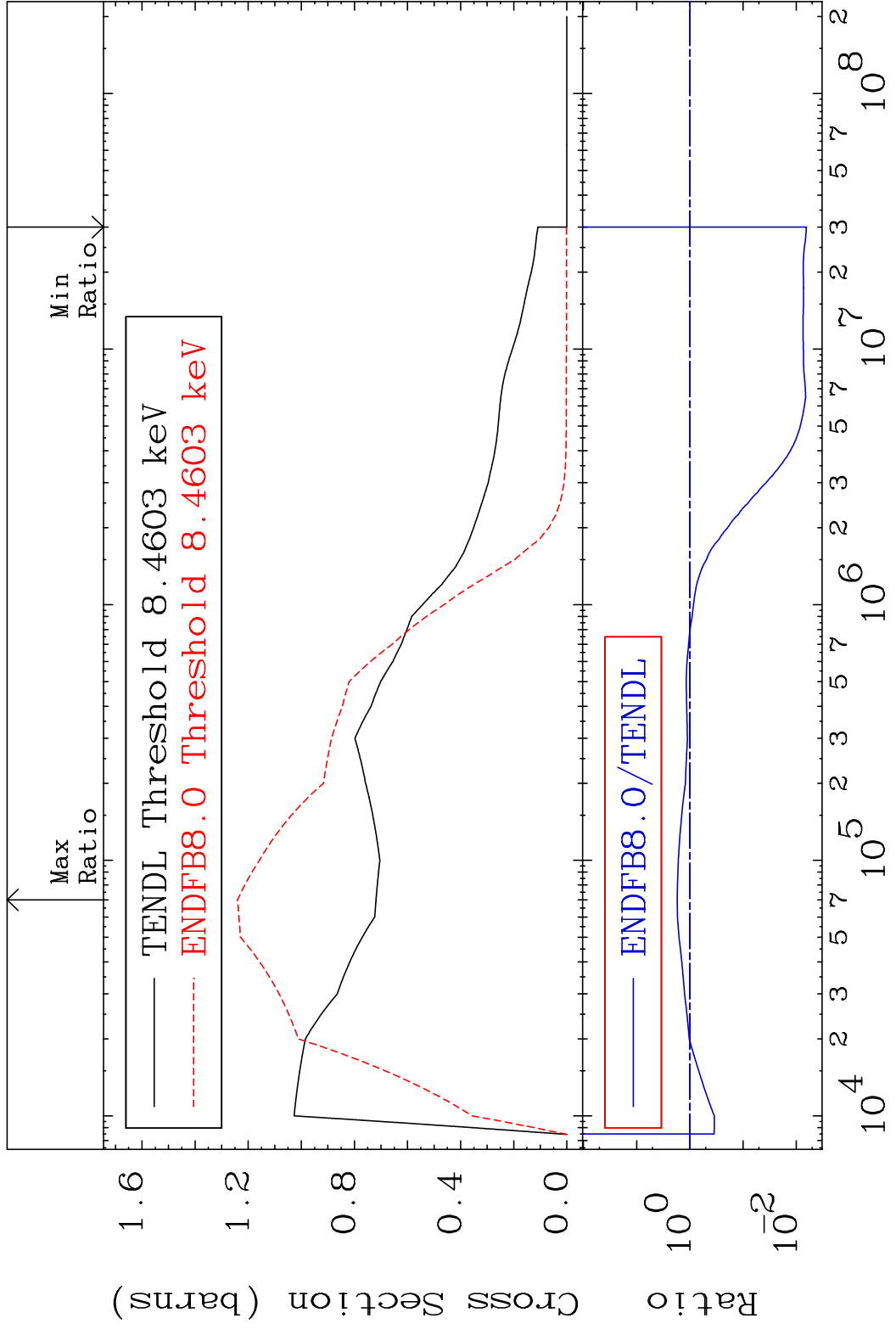


10

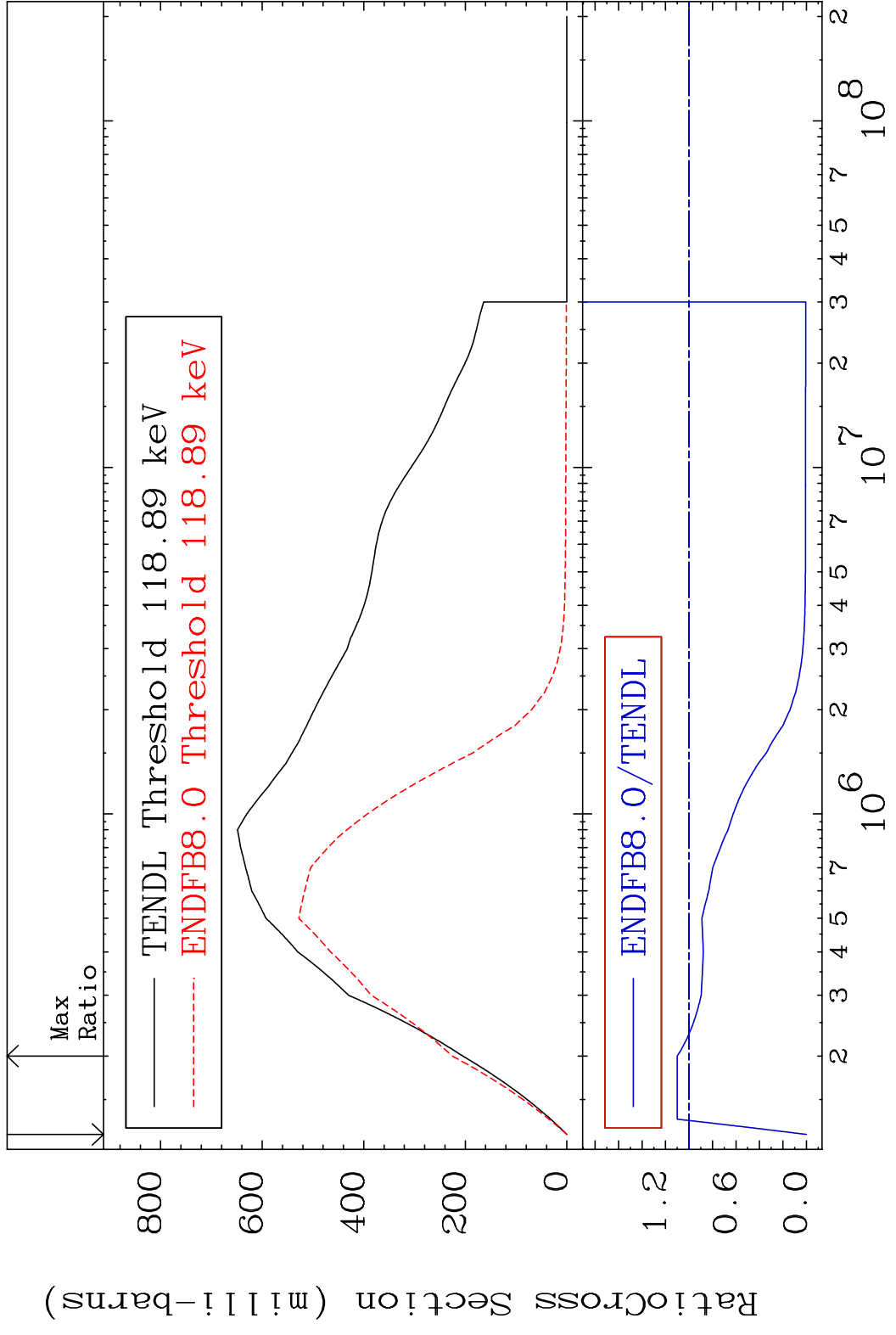
Incident Energy (eV)

69-Tm-169

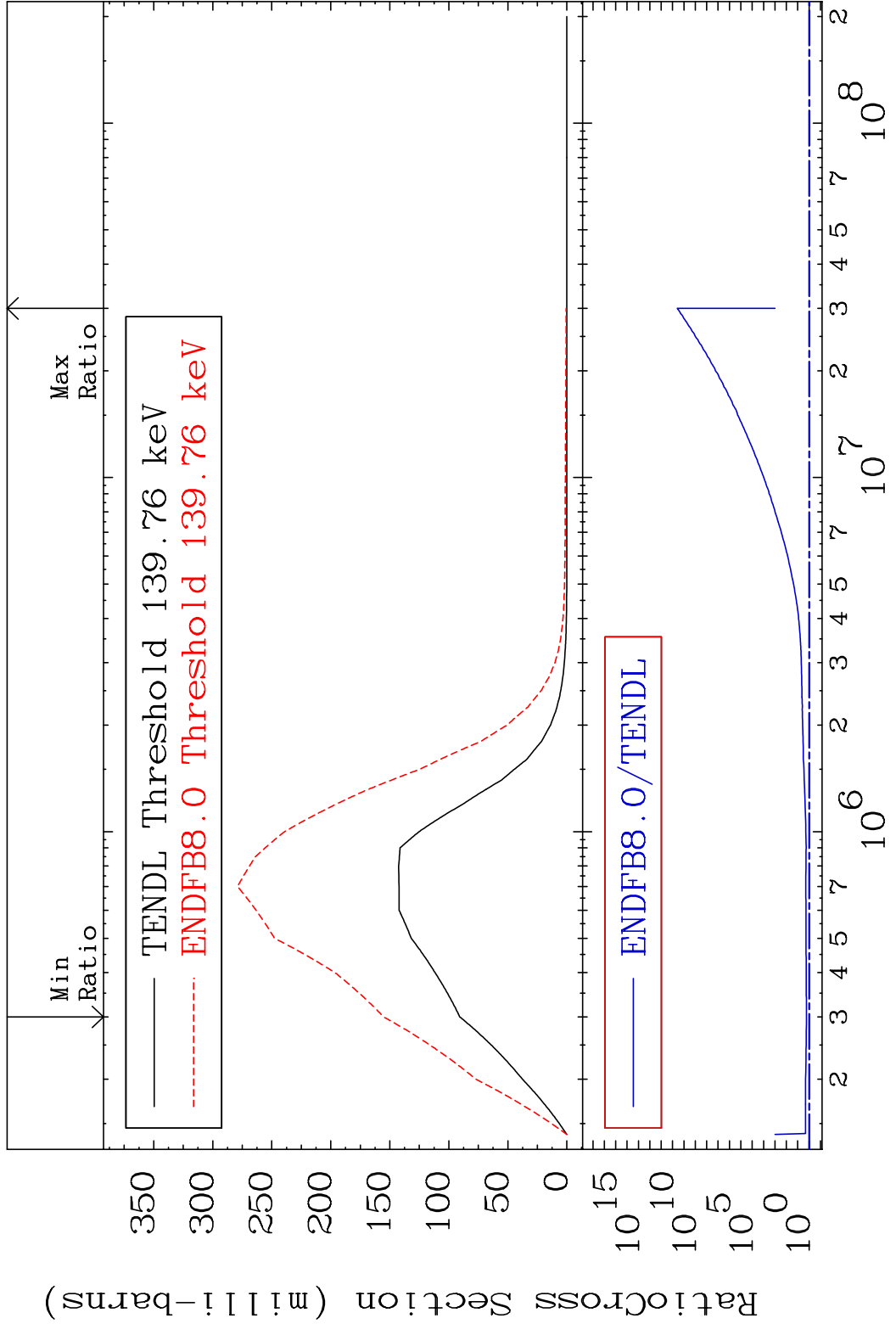
MAT 6925 MT= 51 (n, n') Level 69-Tm-169  
 Cross Section -99.36 To 72.58 %



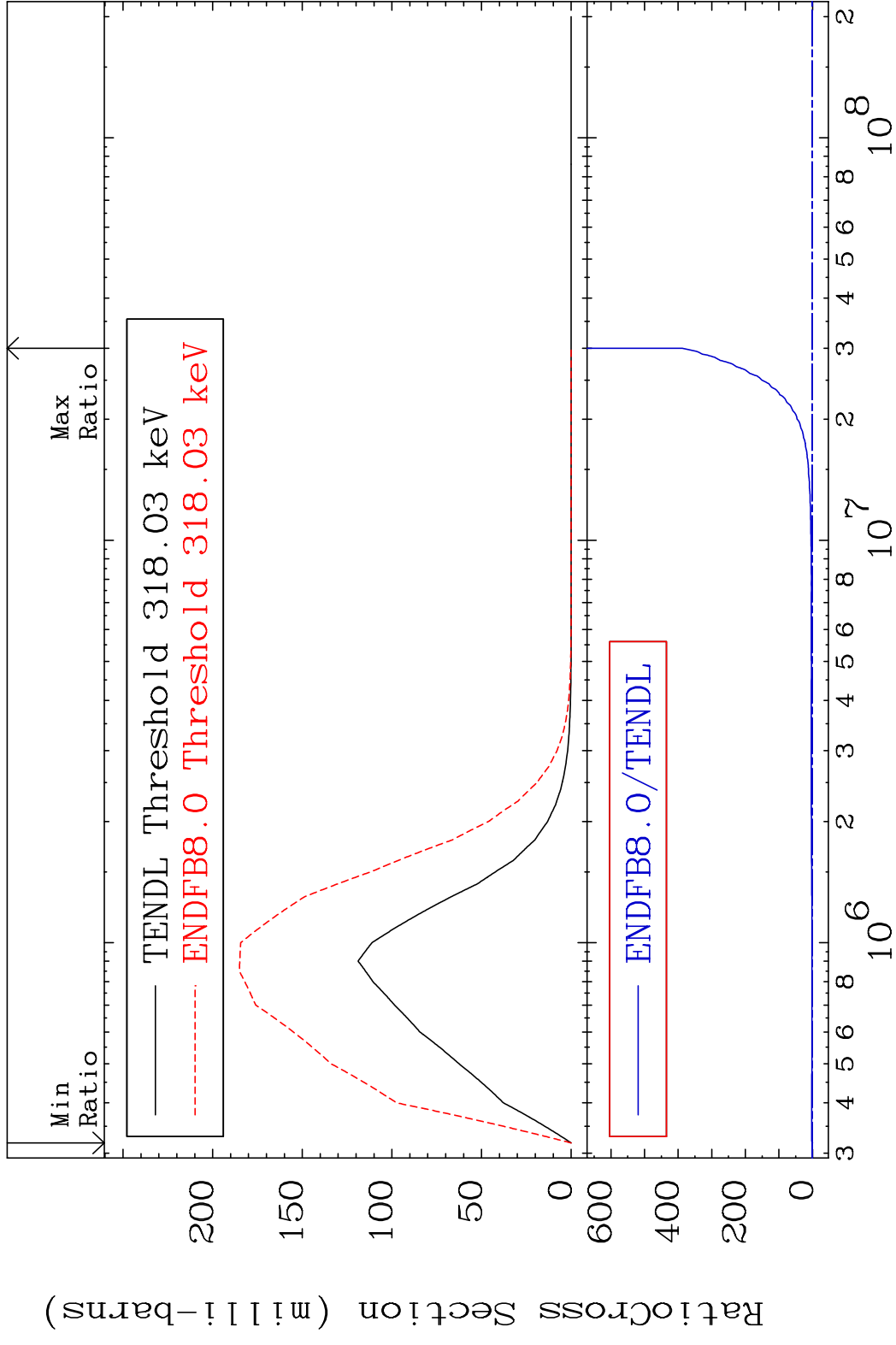
MAT 6925 MT= 52 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 10.08 %



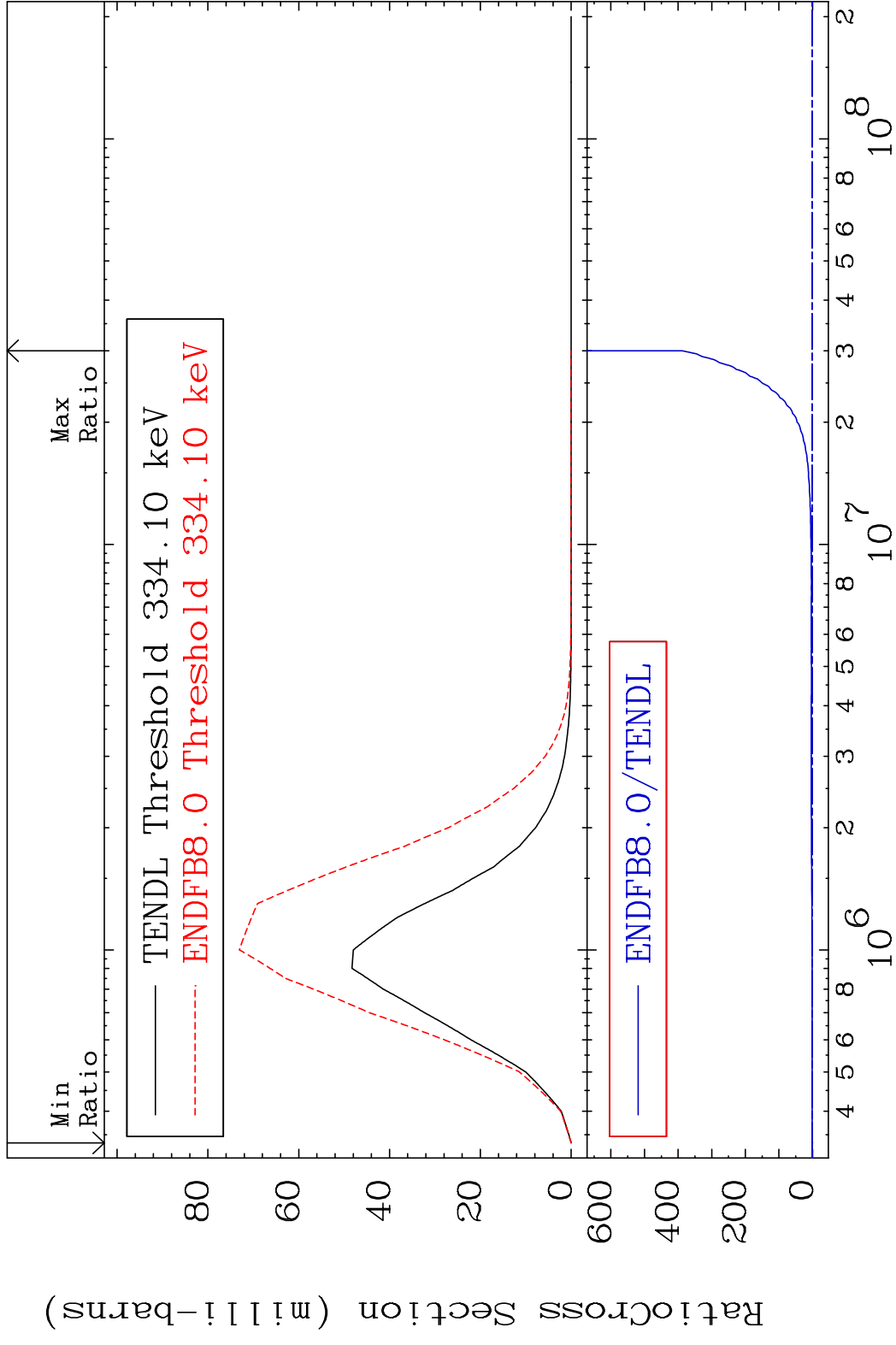
MAT 6925 MT= 53 (n, n') Level 69-Tm-169  
 Cross Section 71.26 To 9999. %



MAT 6925 MT= 54 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %

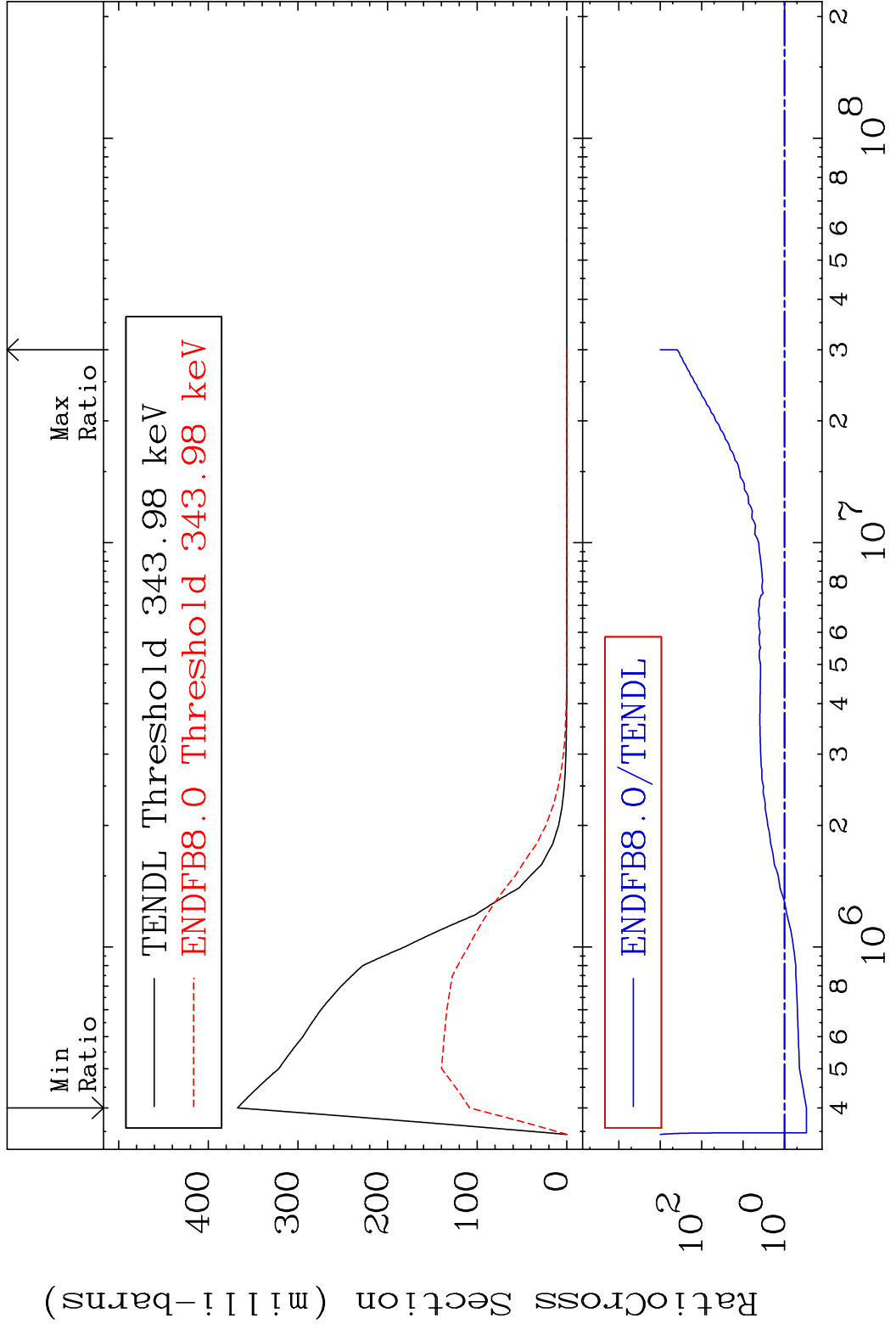


MAT 6925 MT= 55 (n,n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %

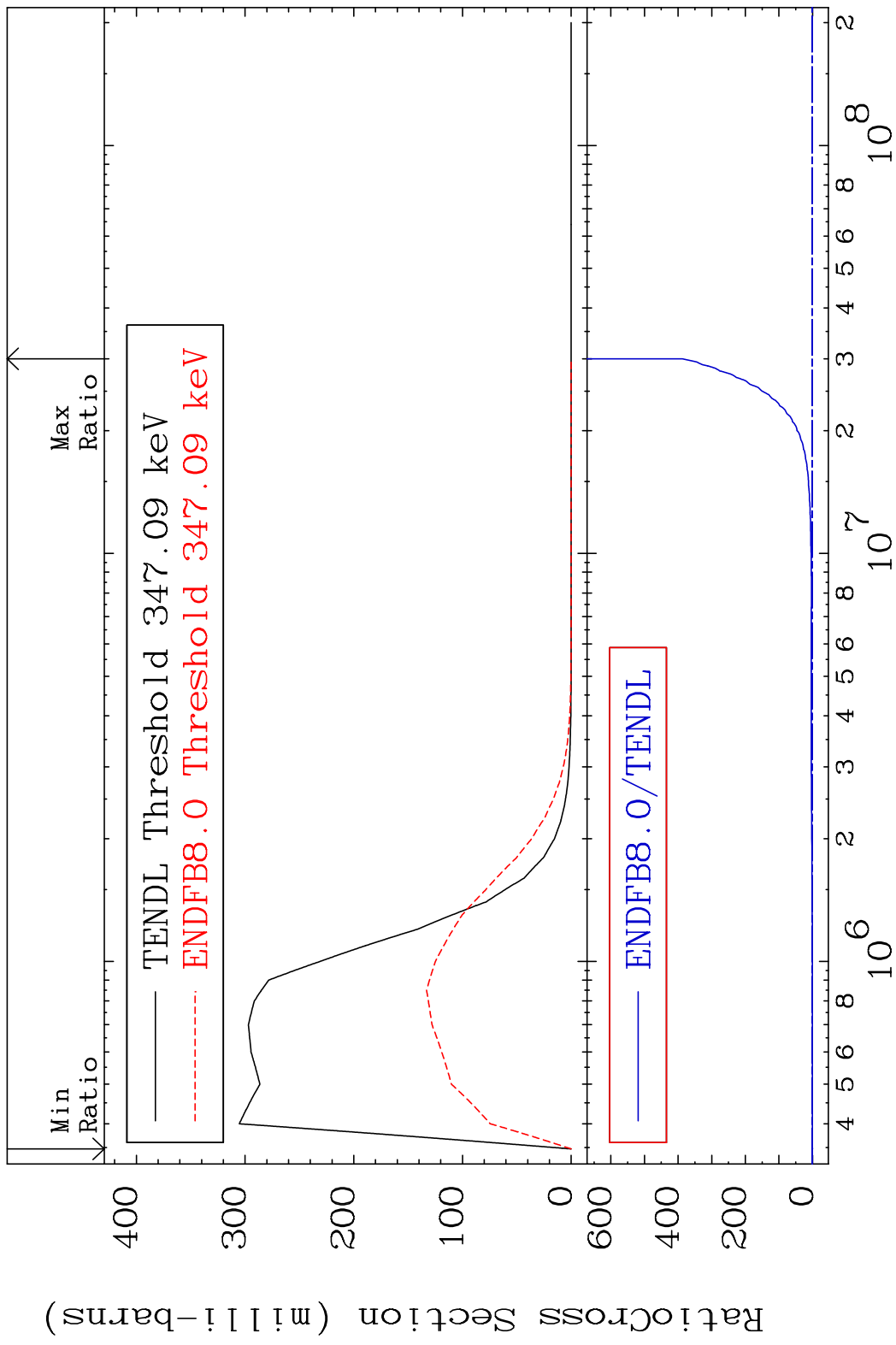




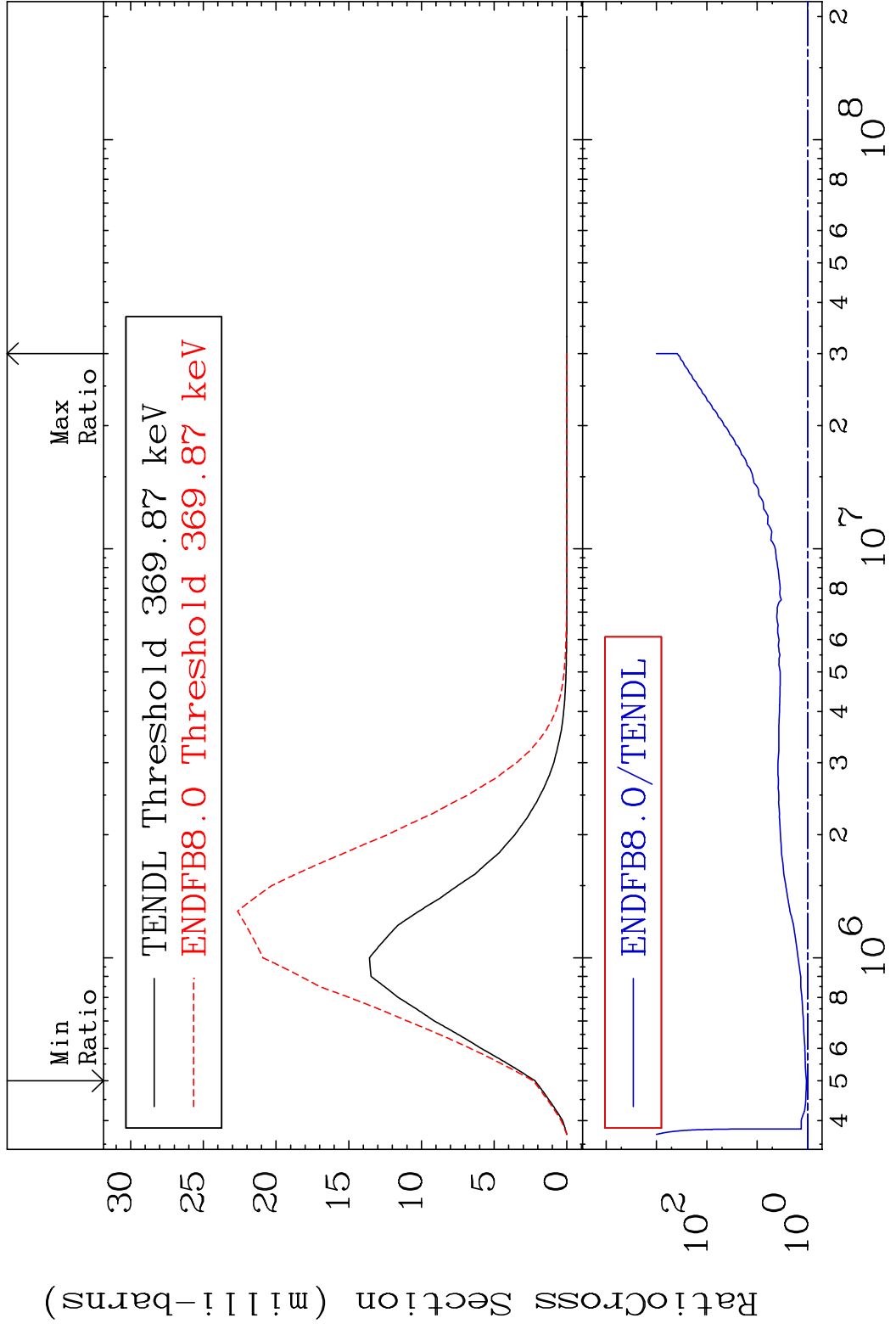
MAT 6925 MT= 56 (n,n') Level 69-Tm-169  
 Cross Section -70.45 To 9999. %



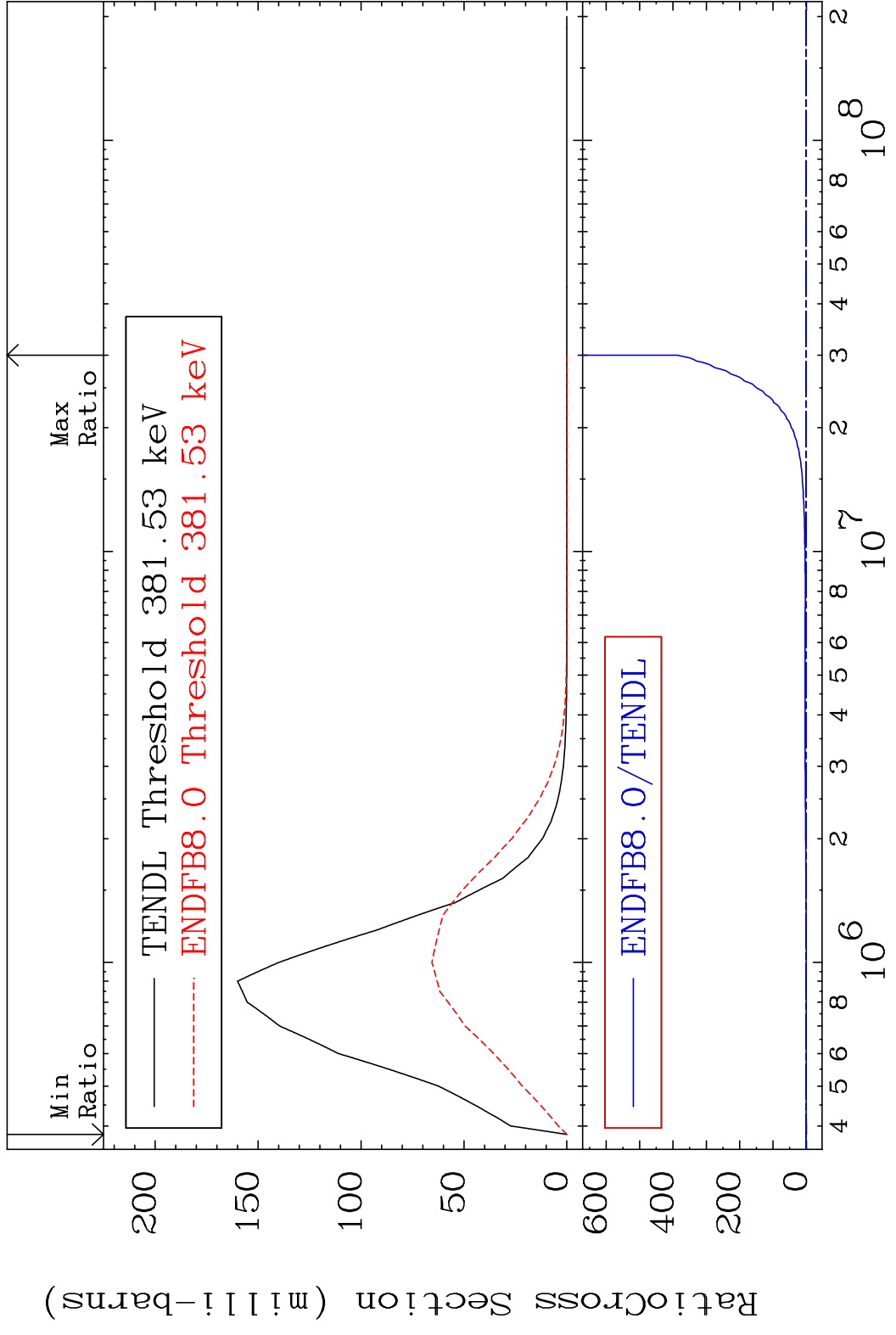
MAT 6925 MT= 57 (n,n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



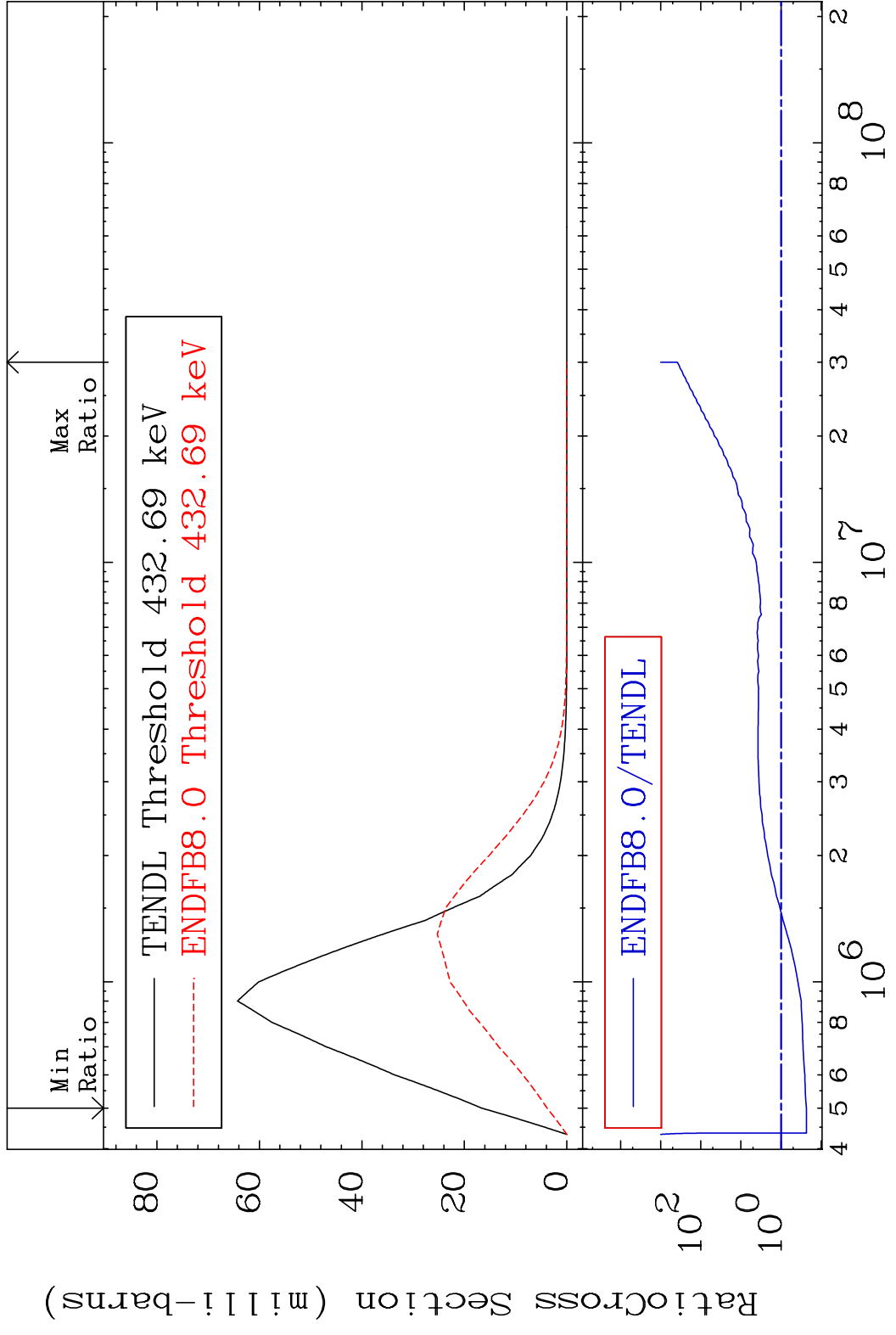
MAT 6925 MT= 58 (n,n') Level 69-Tm-169  
 Cross Section 5.108 To 9999. %



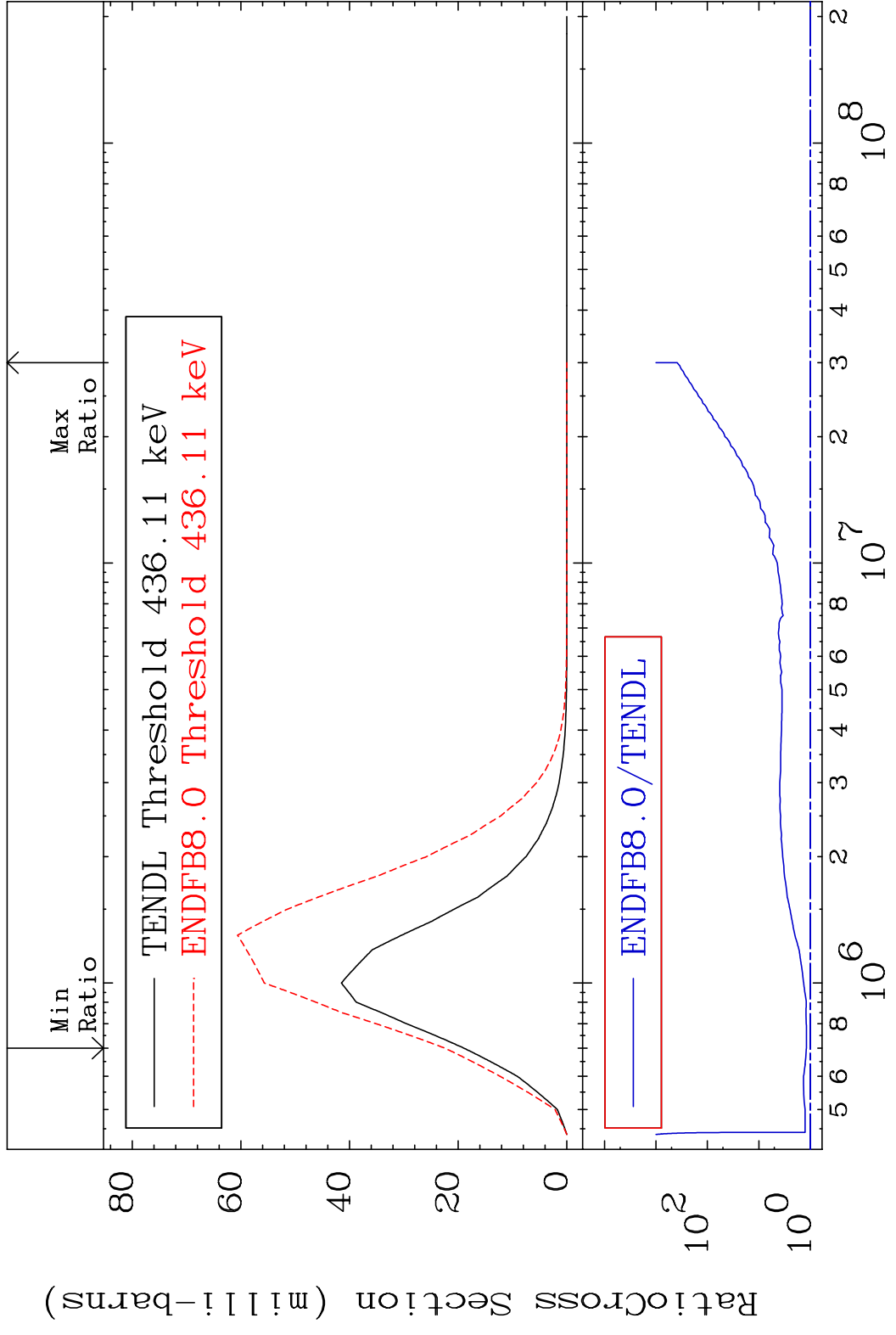
MAT 6925 MT= 59 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



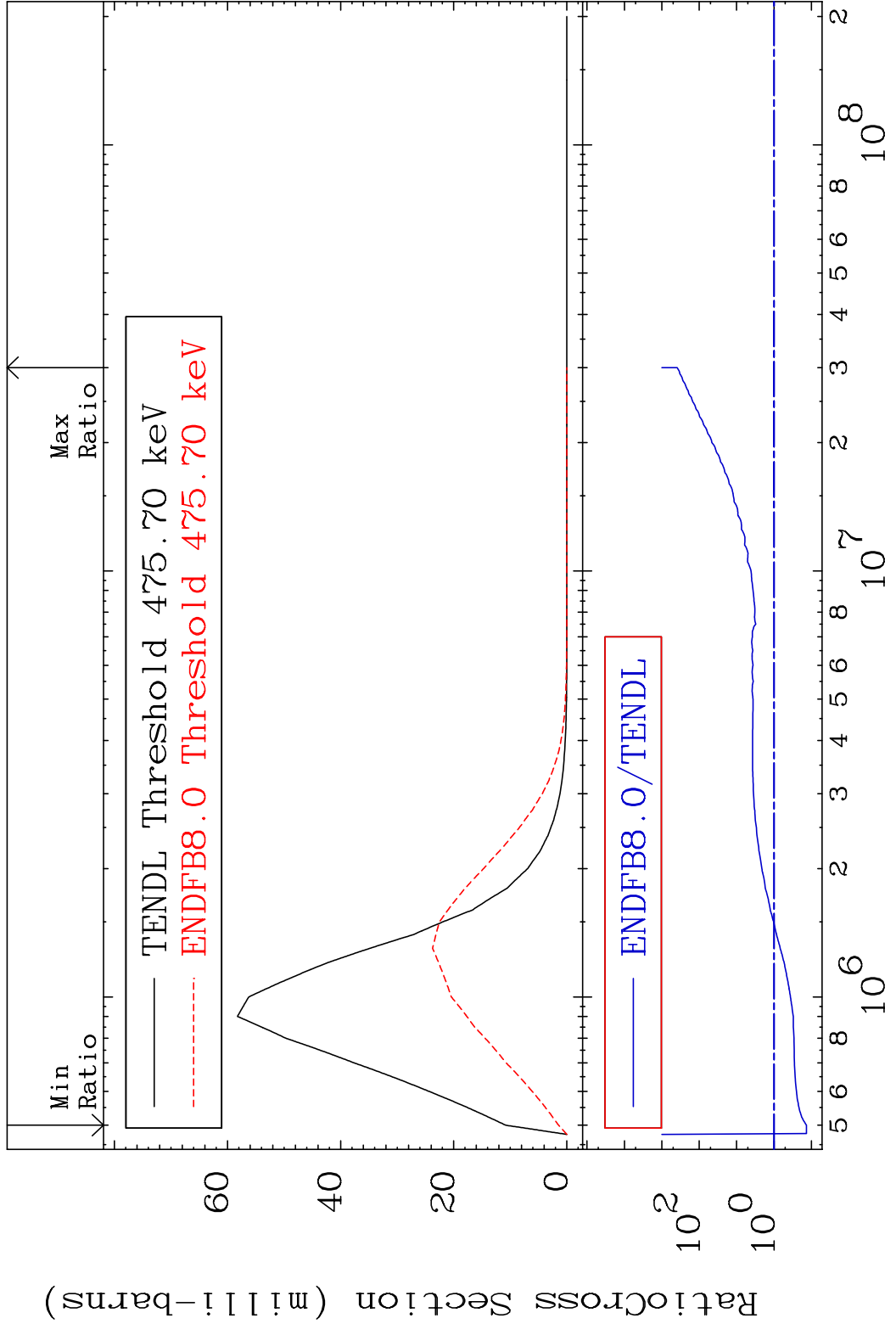
MAT 6925 MT= 60 (n, n') Level 69-Tm-169  
 Cross Section -76.75 To 9999. %



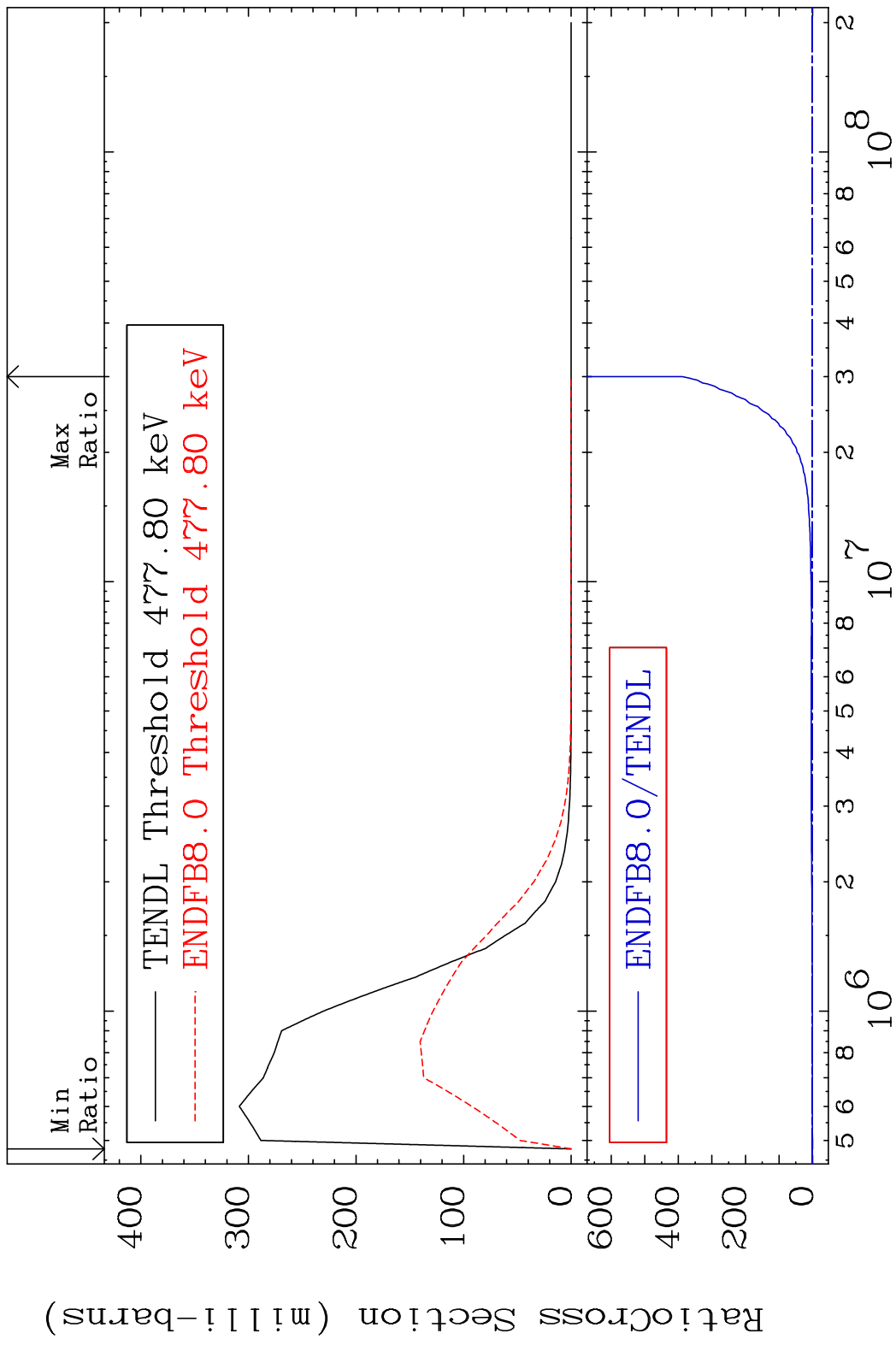
MAT 6925 MT= 61 (n, n') Level 69-Tm-169  
 Cross Section 18.60 To 9999. %



MAT 6925 MT= 62 (n, n') Level 69-Tm-169  
 Cross Section -86.41 To 9999. %

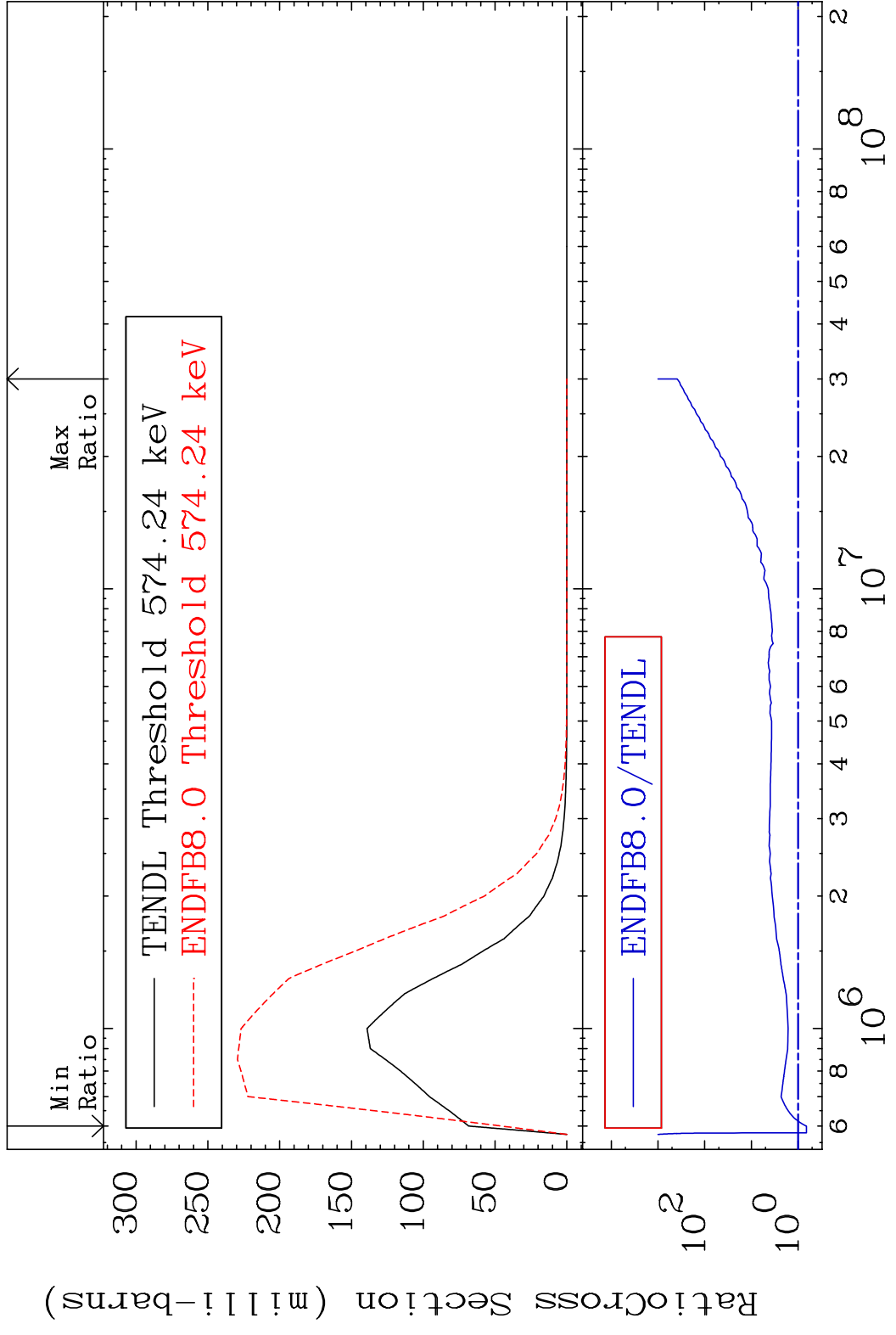


MAT 6925 MT= 63 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %

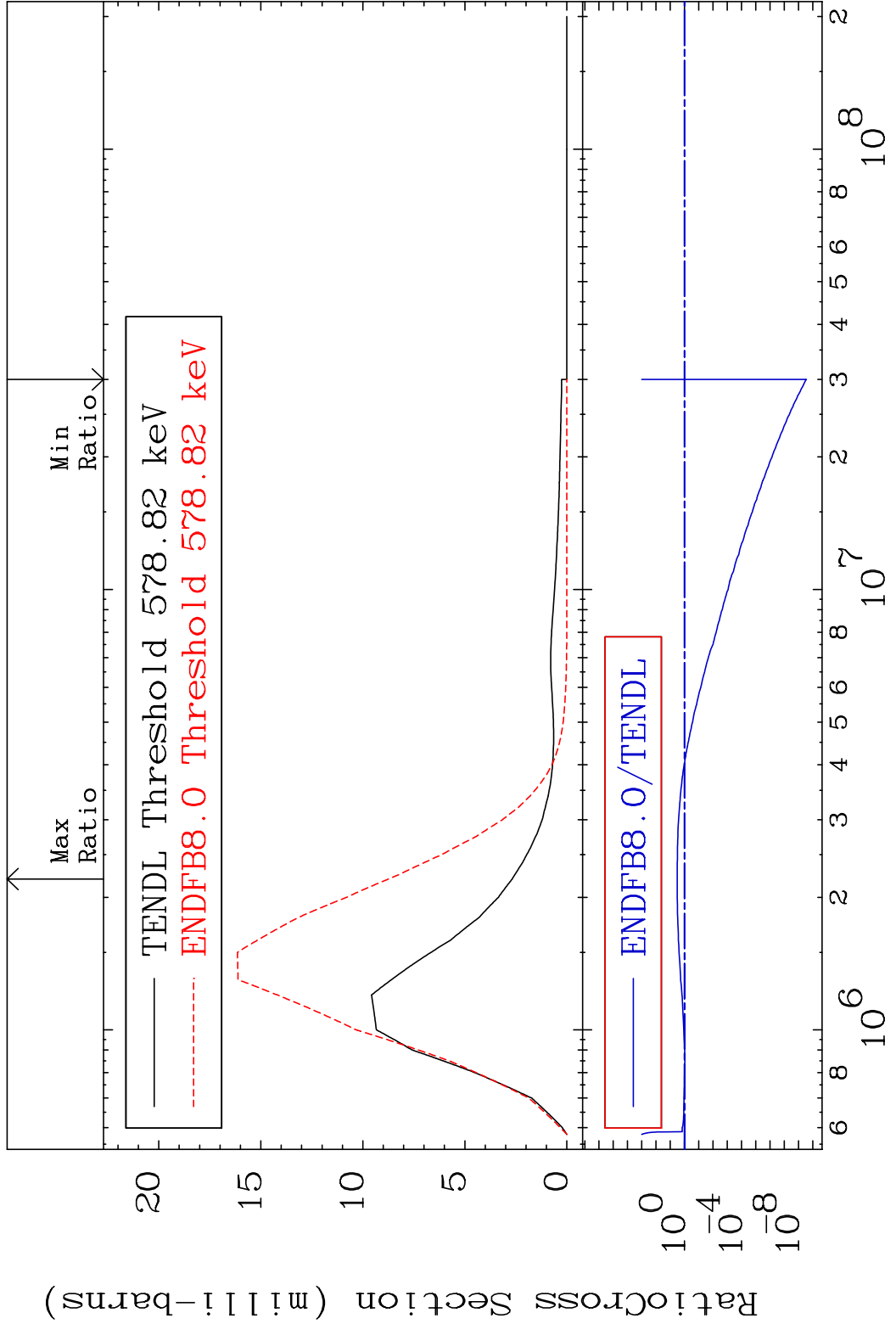




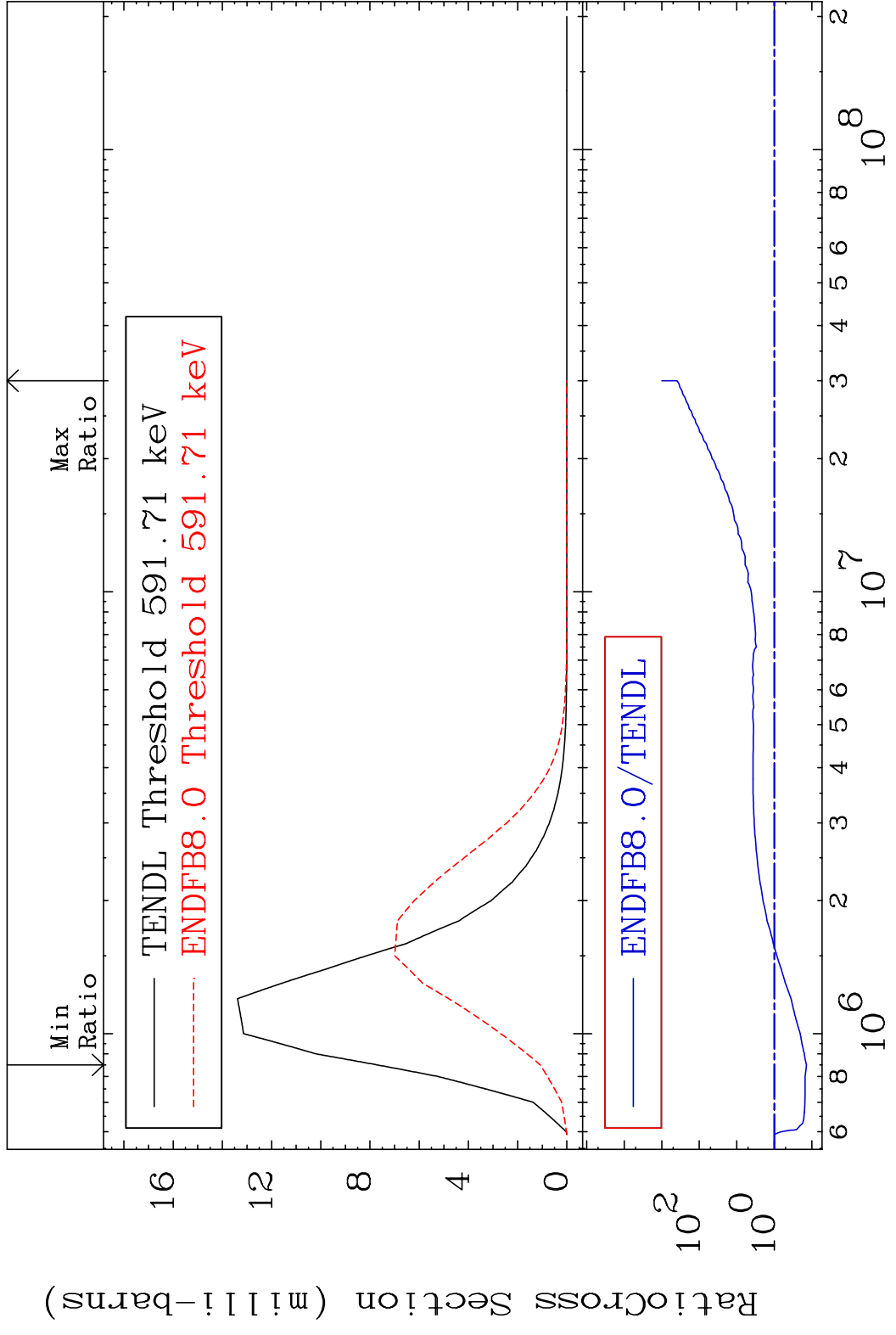
MAT 6925 MT= 64 (n, n') Level 69-Tm-169  
 Cross Section -33.48 To 9999. %



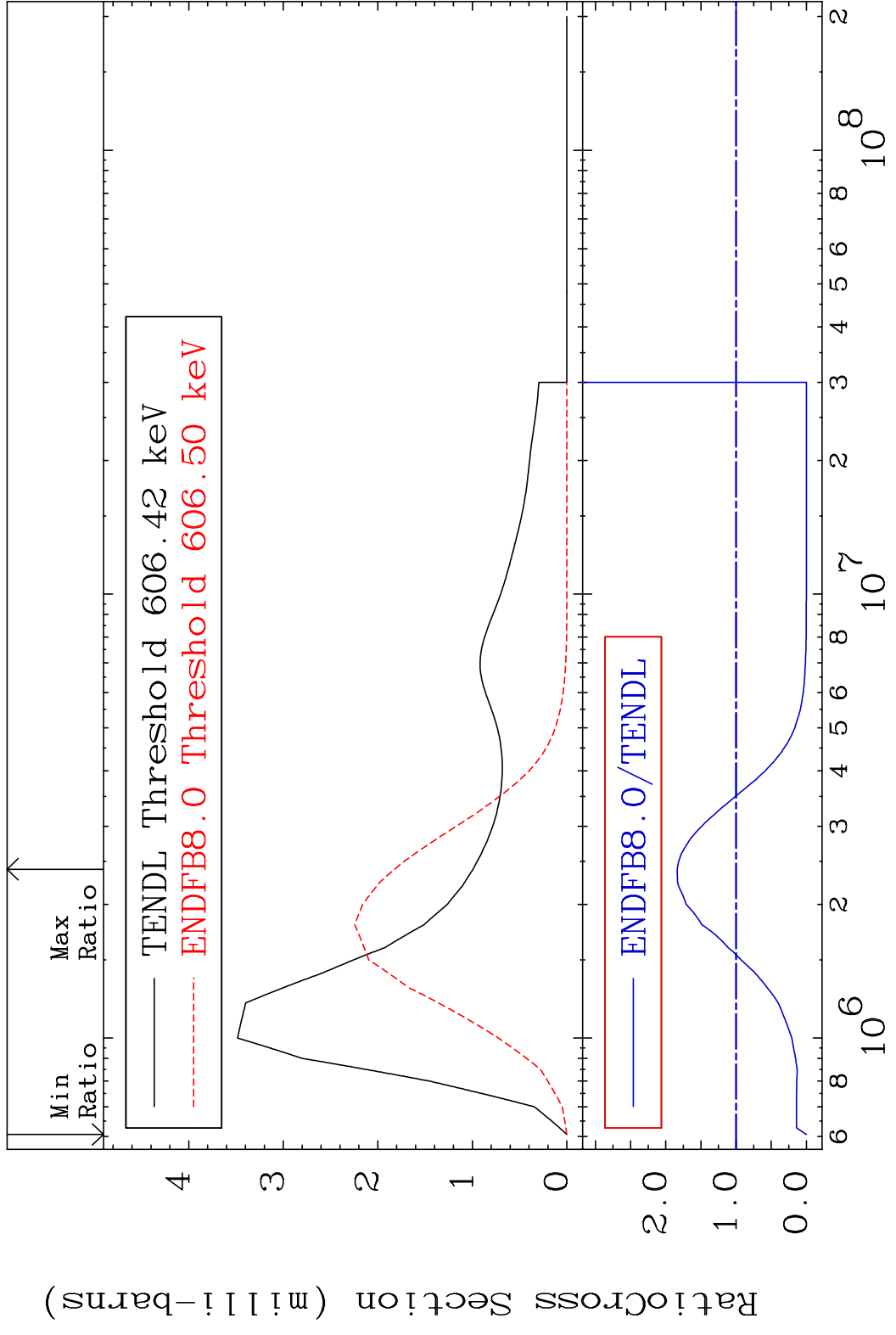
MAT 6925 MT= 65 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 226.7 %



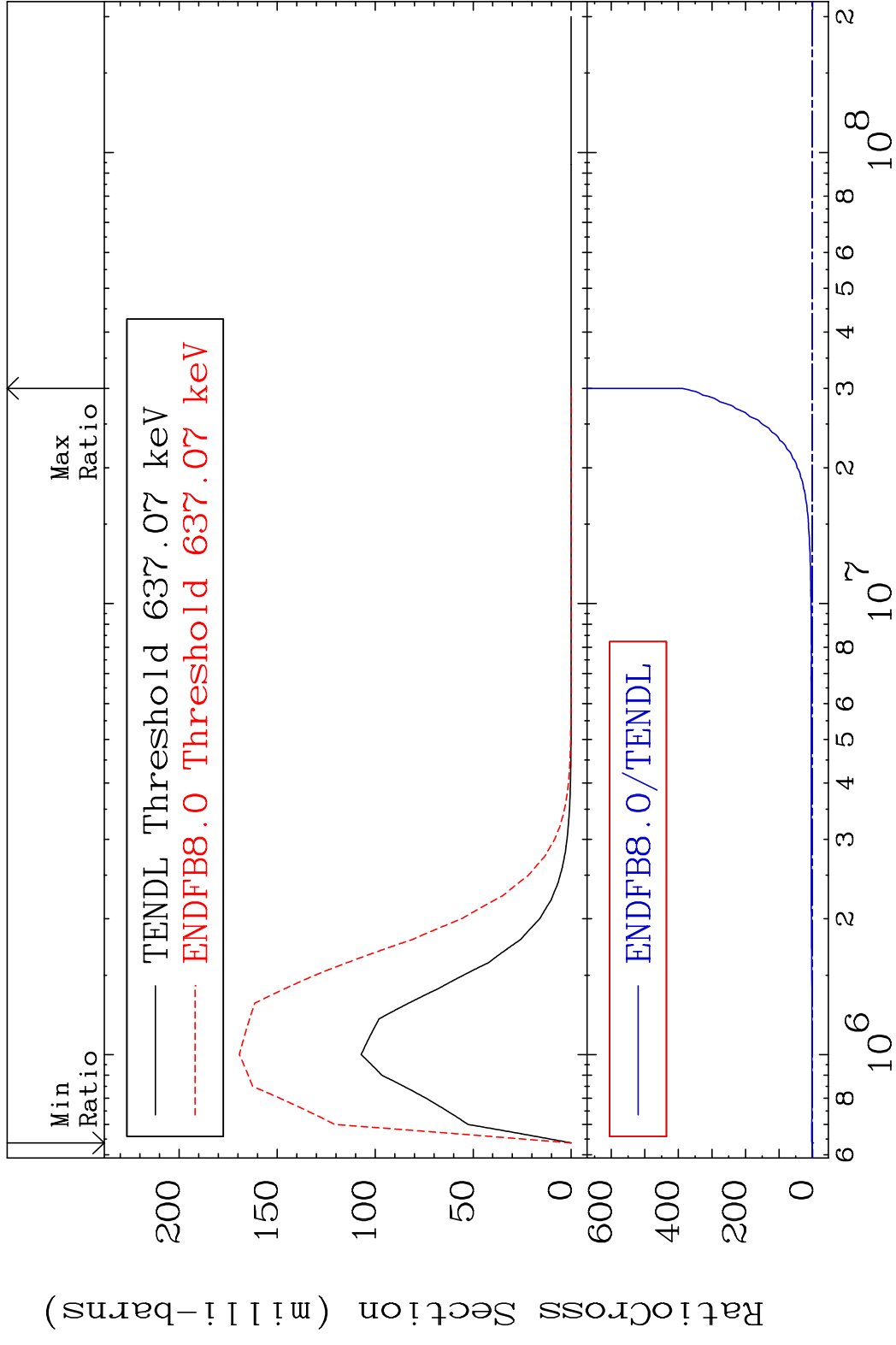
MAT 6925 MT= 66 (n, n') Level 69-Tm-169  
 Cross Section -85.99 To 9999. %



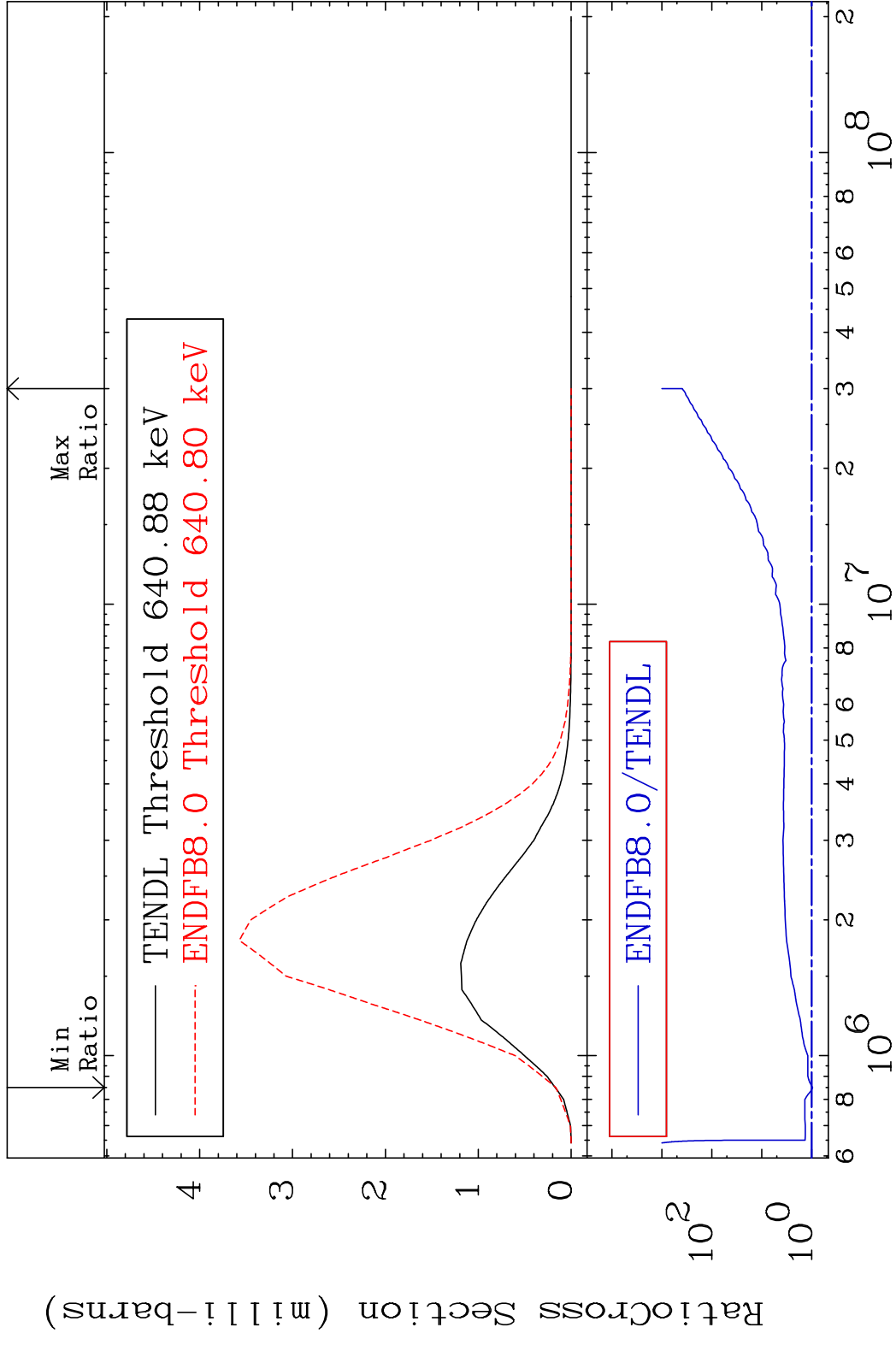
MAT 6925 MT= 67 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 83.75 %



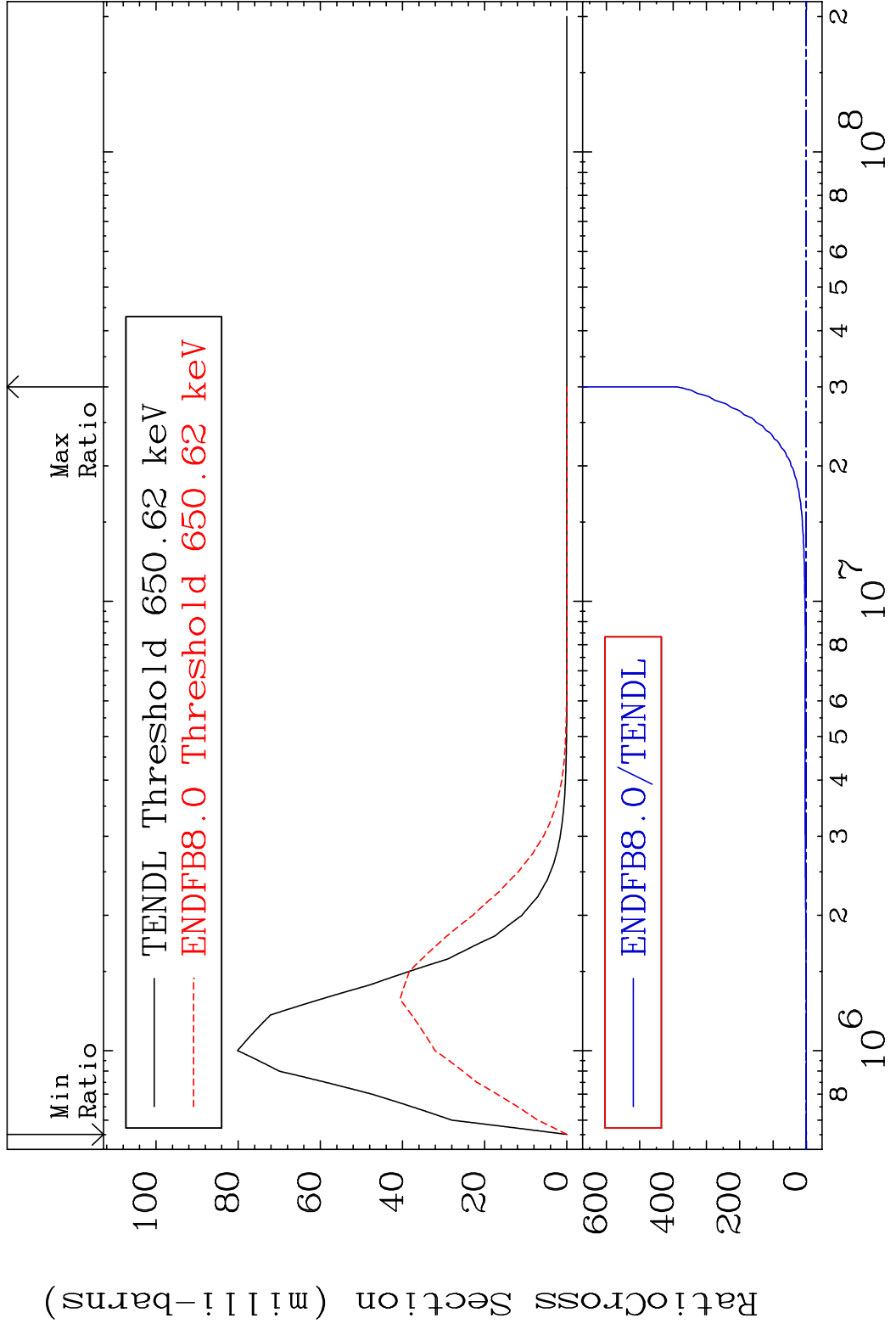
MAT 6925      MT= 68 (n, n') Level      69-Tm-169  
 Cross Section      -100.0 To 9999. %



MAT 6925 MT= 69 (n, n') Level 69-Tm-169  
 Cross Section -4.099 To 9999. %

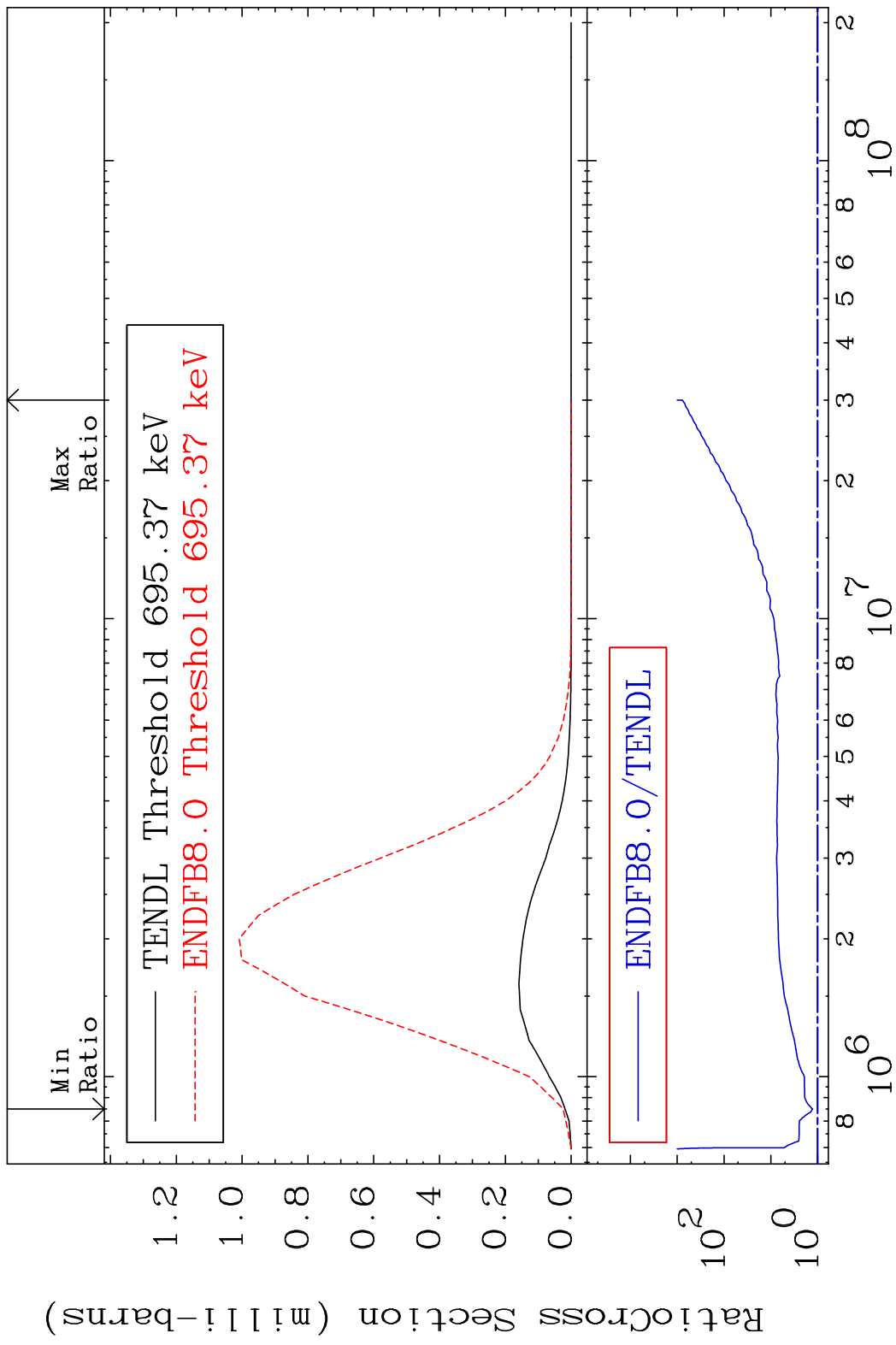


MAT 6925 MT= 70 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



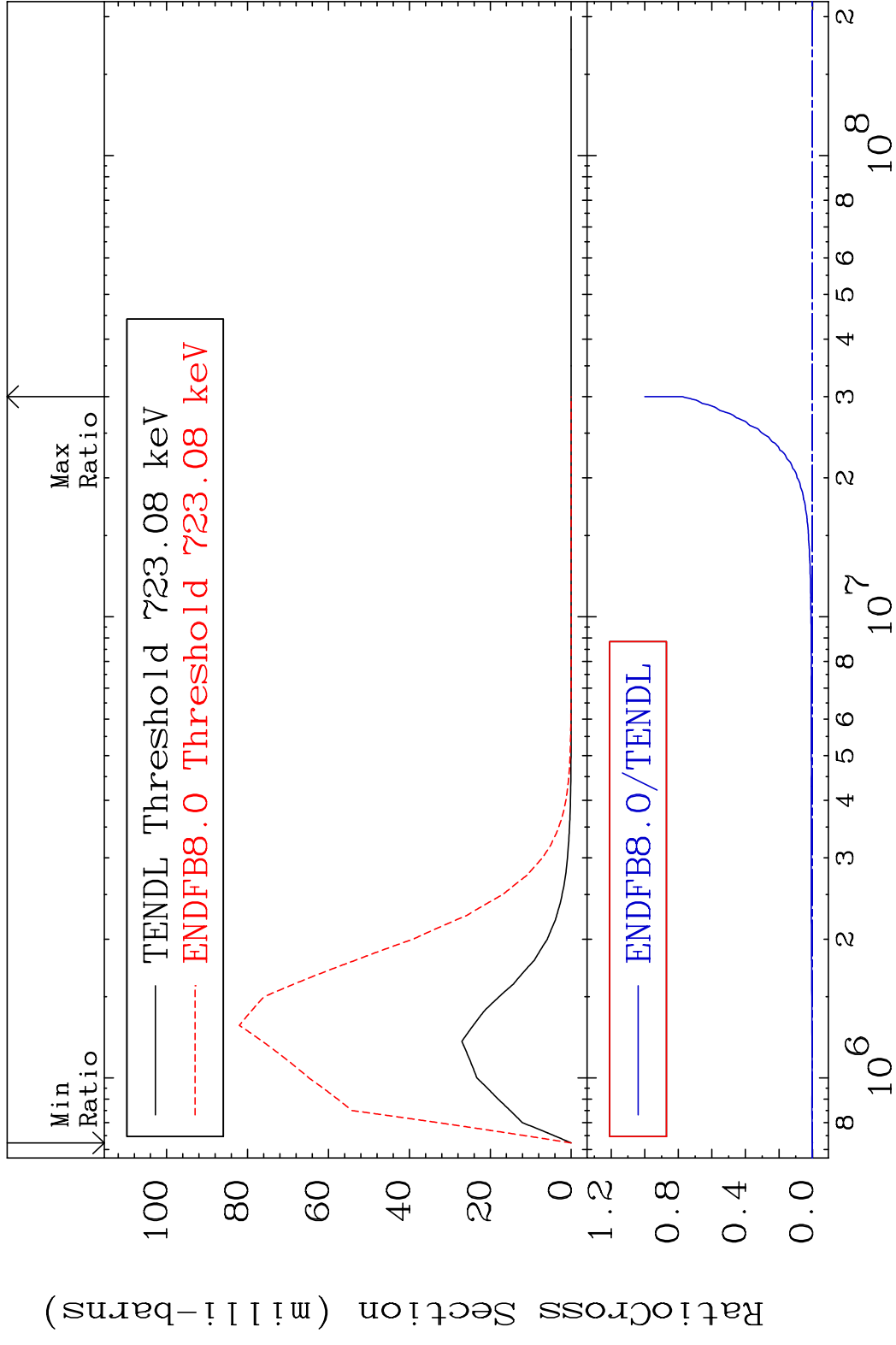
30 Incident Energy (eV) 69-Tm-169

MAT 6925 MT= 71 (n, n') Level 69-Tm-169  
 Cross Section 28.40 To 9999. %

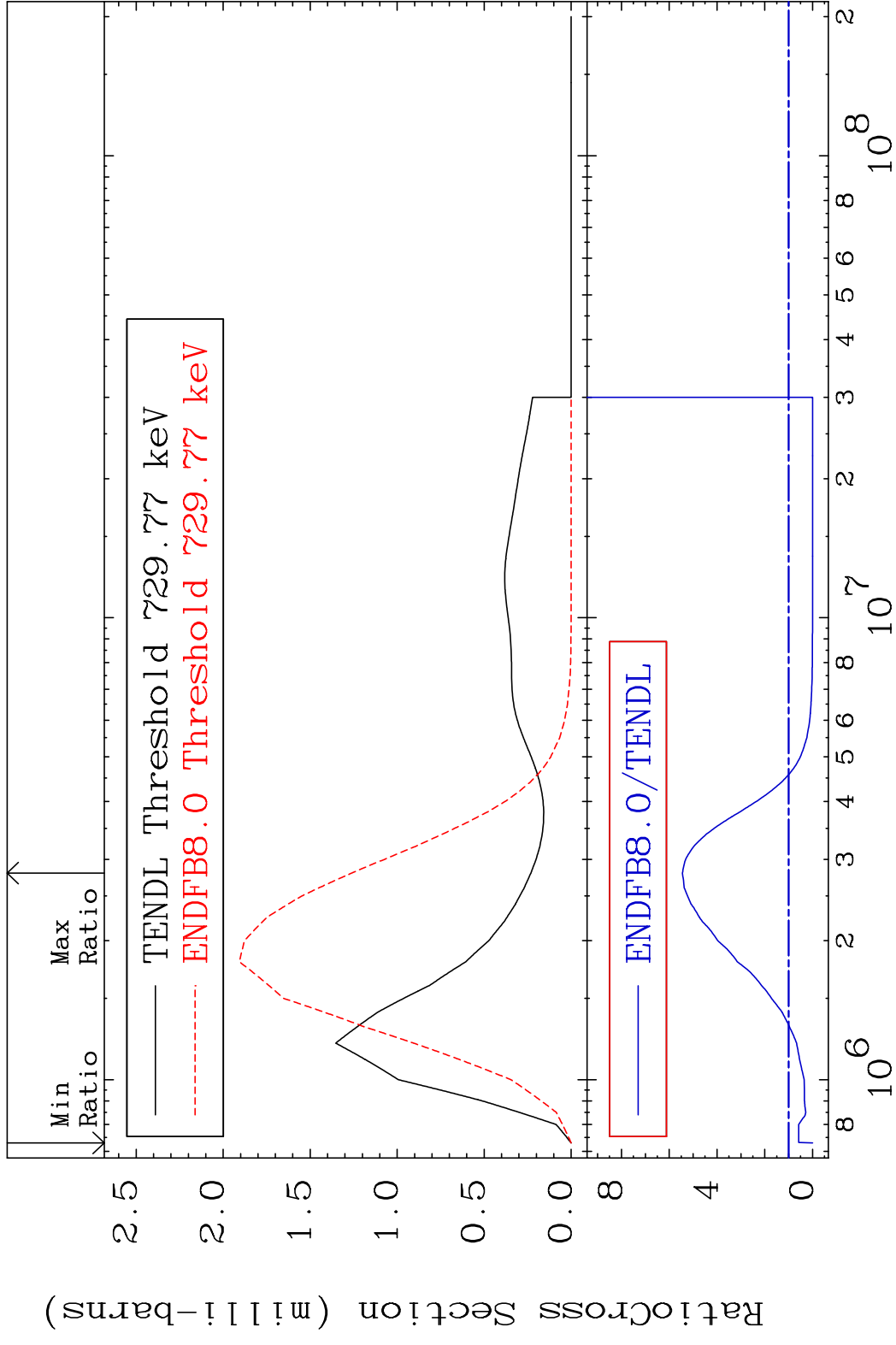




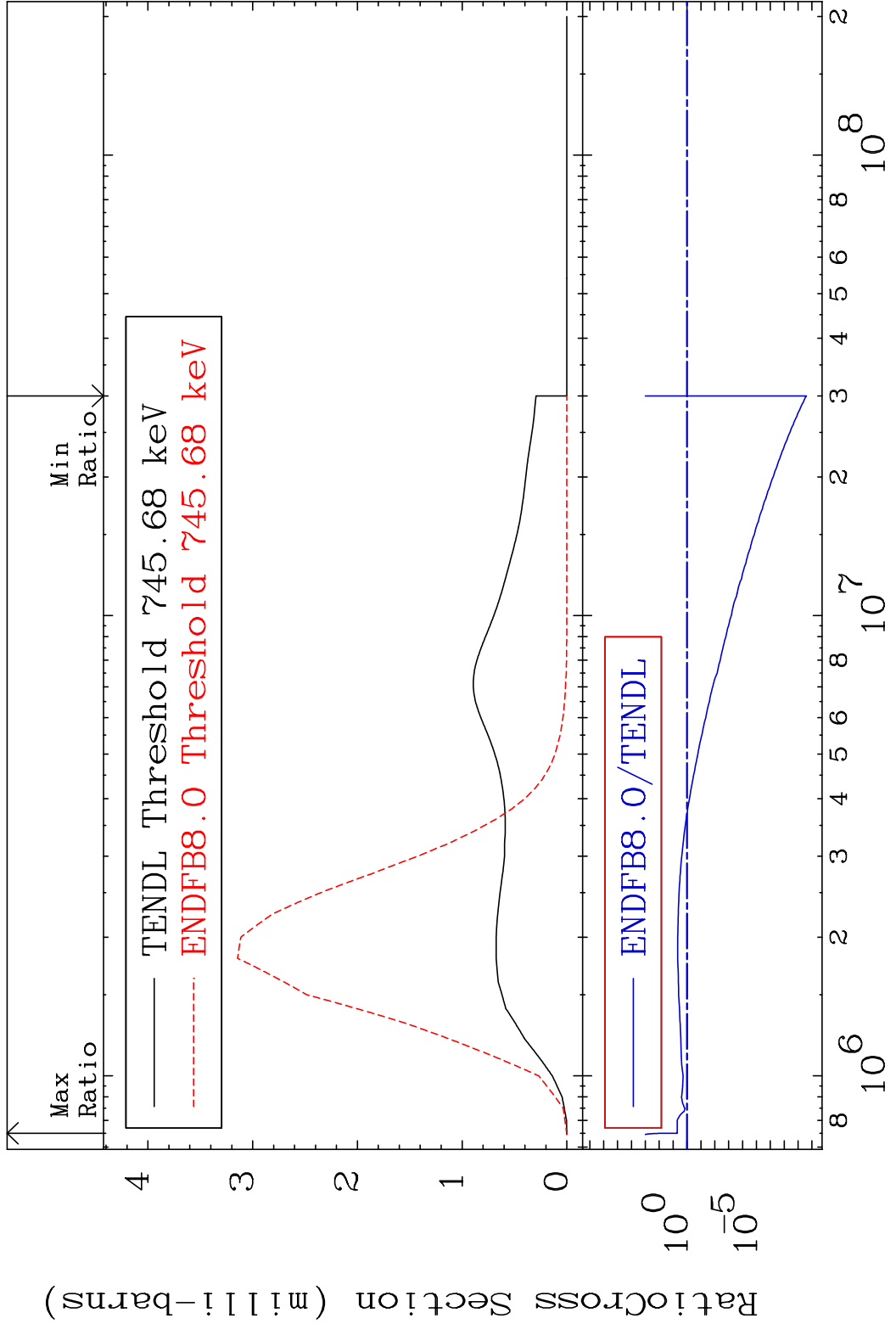
MAT 6925 MT= 72 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 9999. %



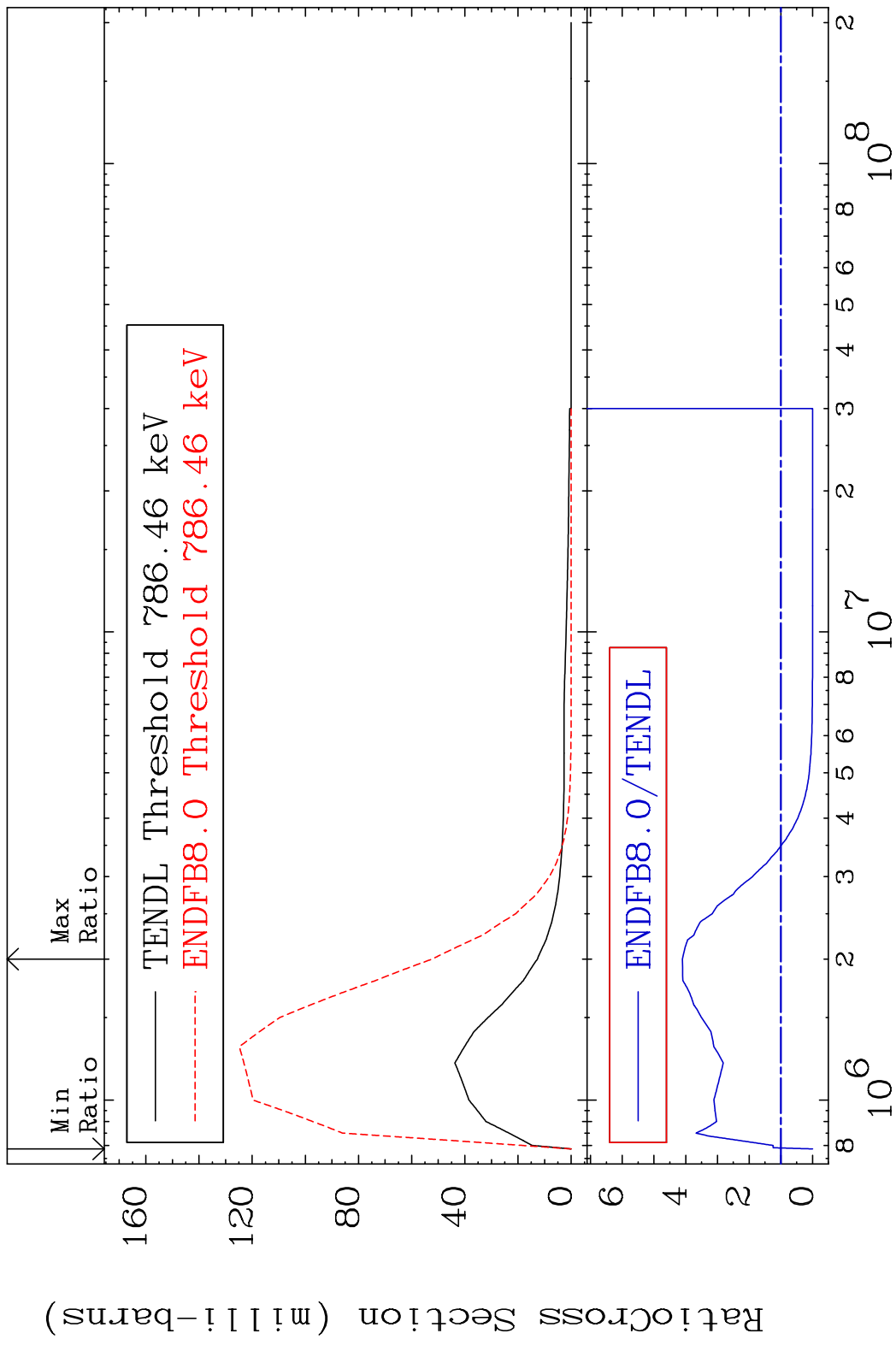
MAT 6925 MT= 73 (n,n') Level 69-Tm-169  
 Cross Section -100.0 To 445.1 %



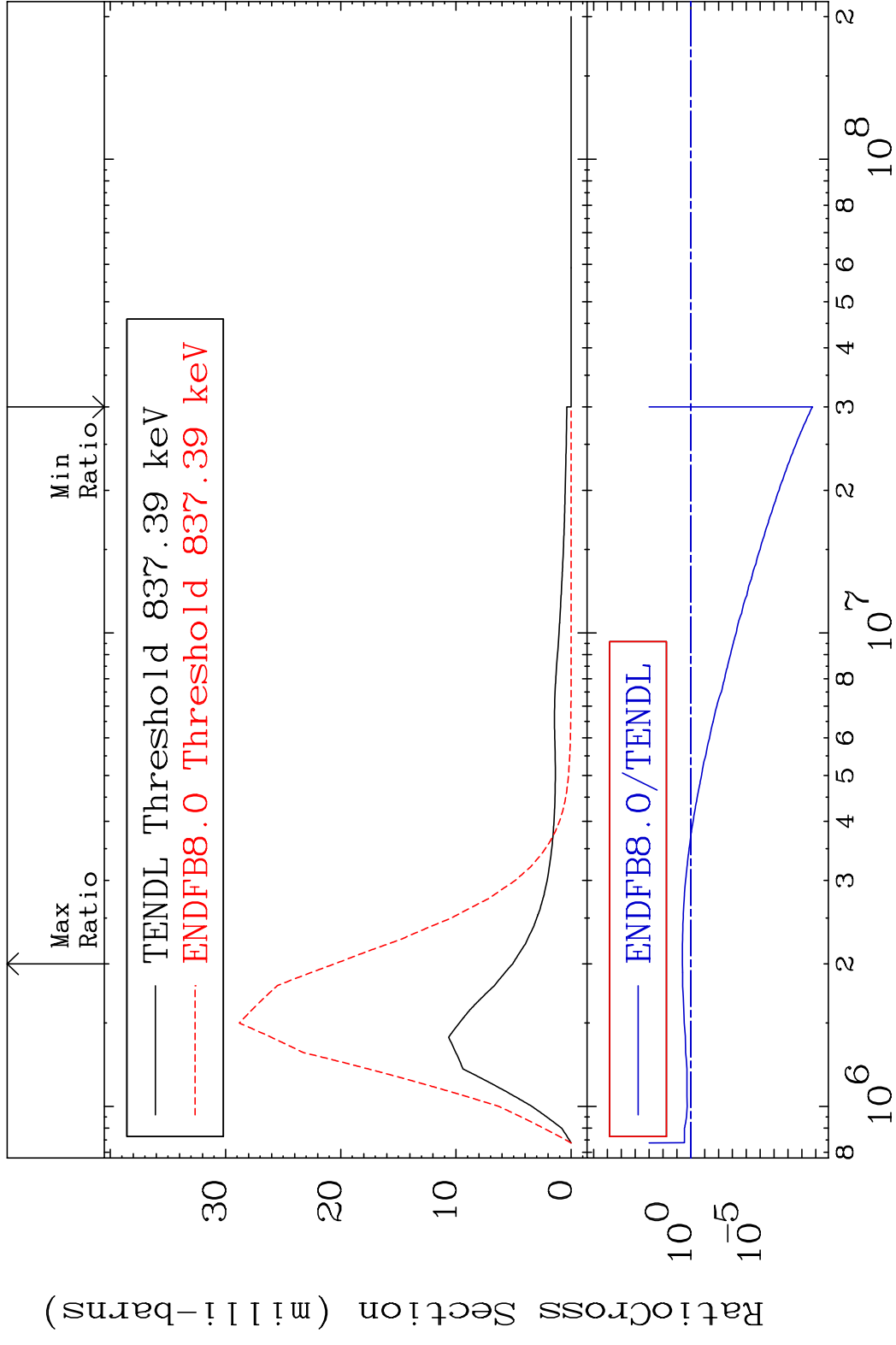
MAT 6925 MT= 74 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 408.7 %



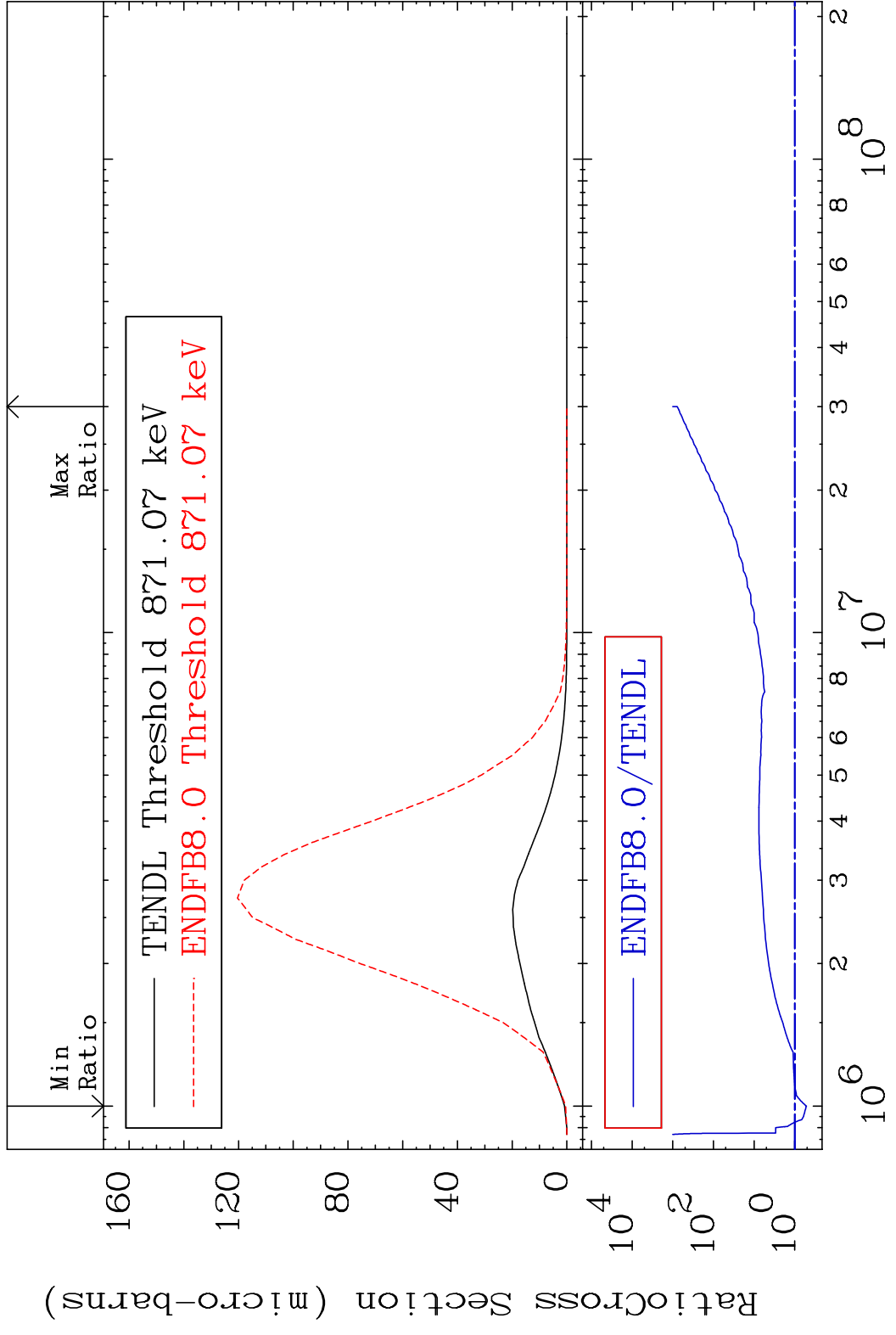
MAT 6925 MT= 75 (n,n') Level 69-Tm-169  
 Cross Section -100.0 To 310.6 %



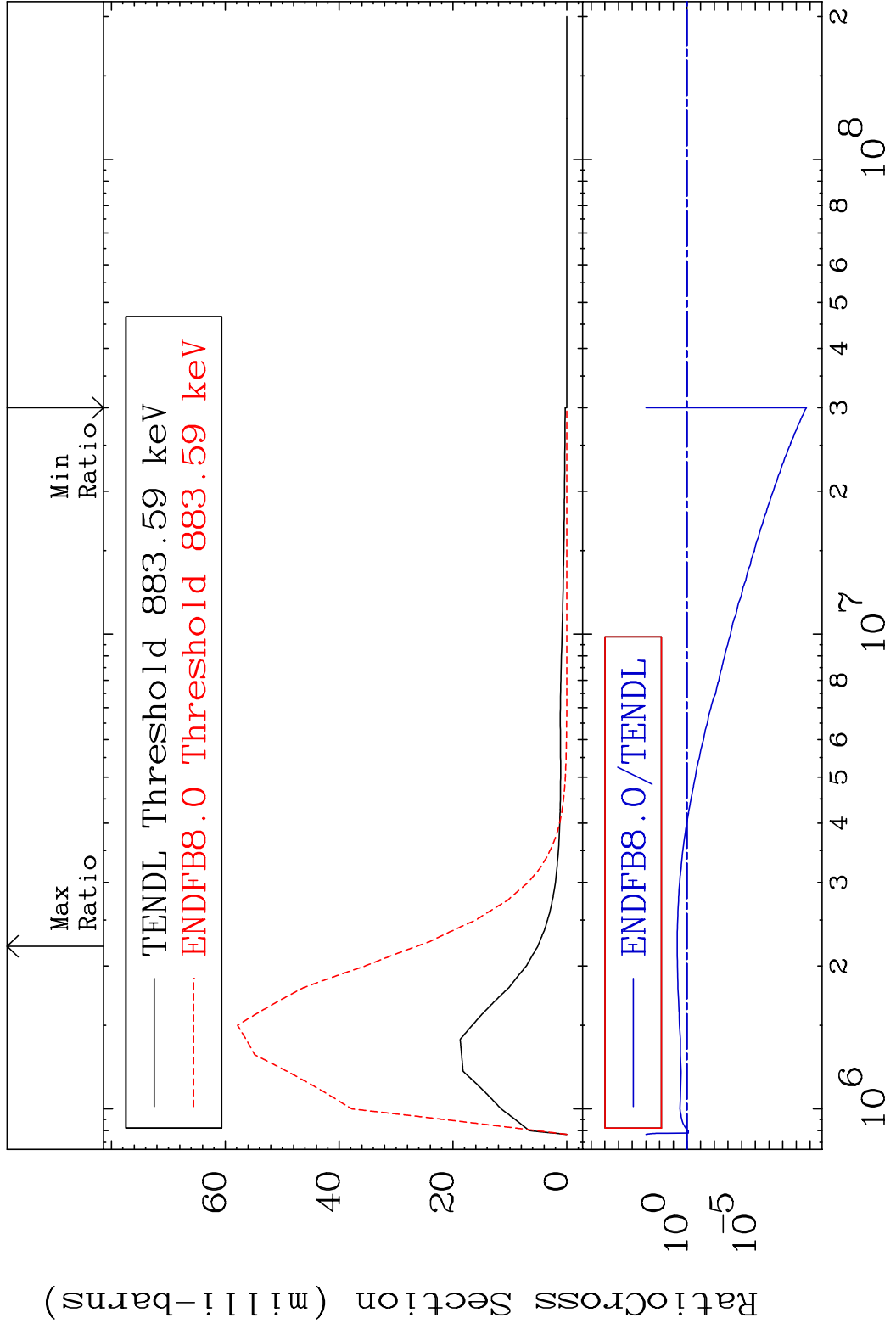
MAT 6925 MT= 76 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 303.9 %



MAT 6925 MT= 77 (n, n') Level 69-Tm-169  
 Cross Section -48.17 To 9999. %



MAT 6925 MT= 78 (n, n') Level 69-Tm-169  
 Cross Section -100.0 To 416.7 %

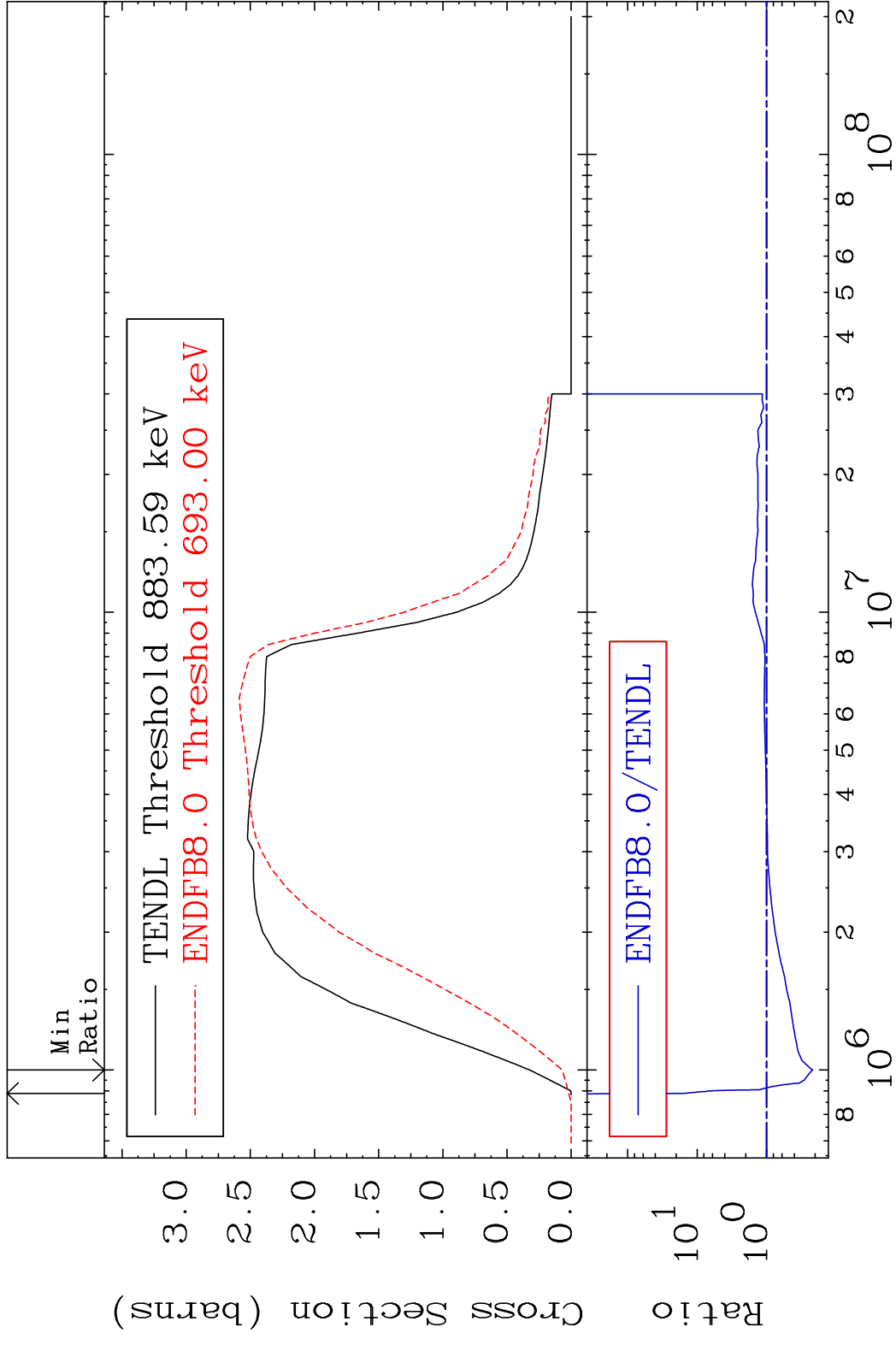


MAT 6925

(n, n') Continuum

69-Tm-169

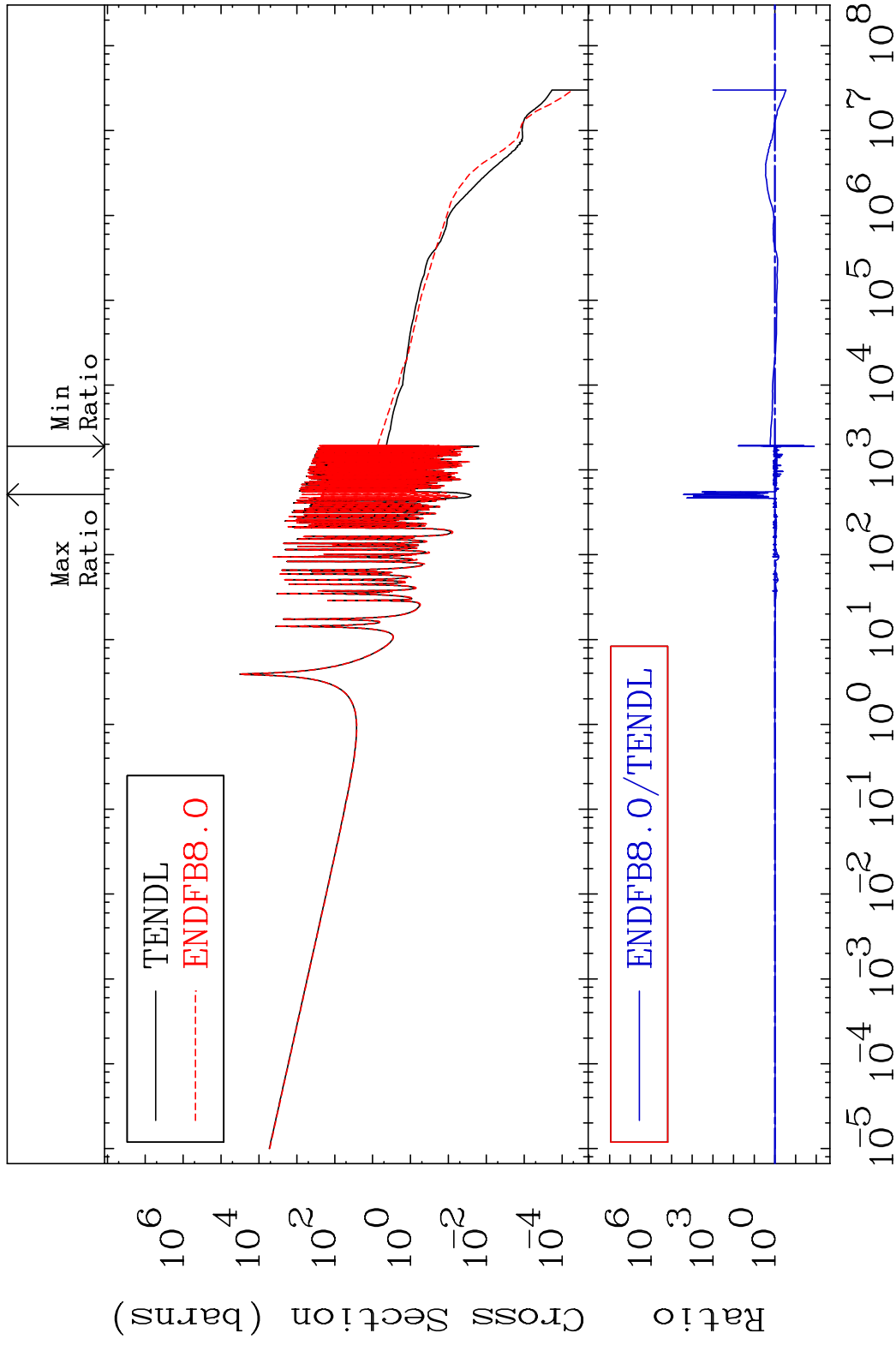
Cross Section -78.18 To 1535. %





MAT 6925

(n,  $\gamma$ )  
Cross Section -98.74 To 9999. %  
69-Tm-169



40

Incident Energy (eV)

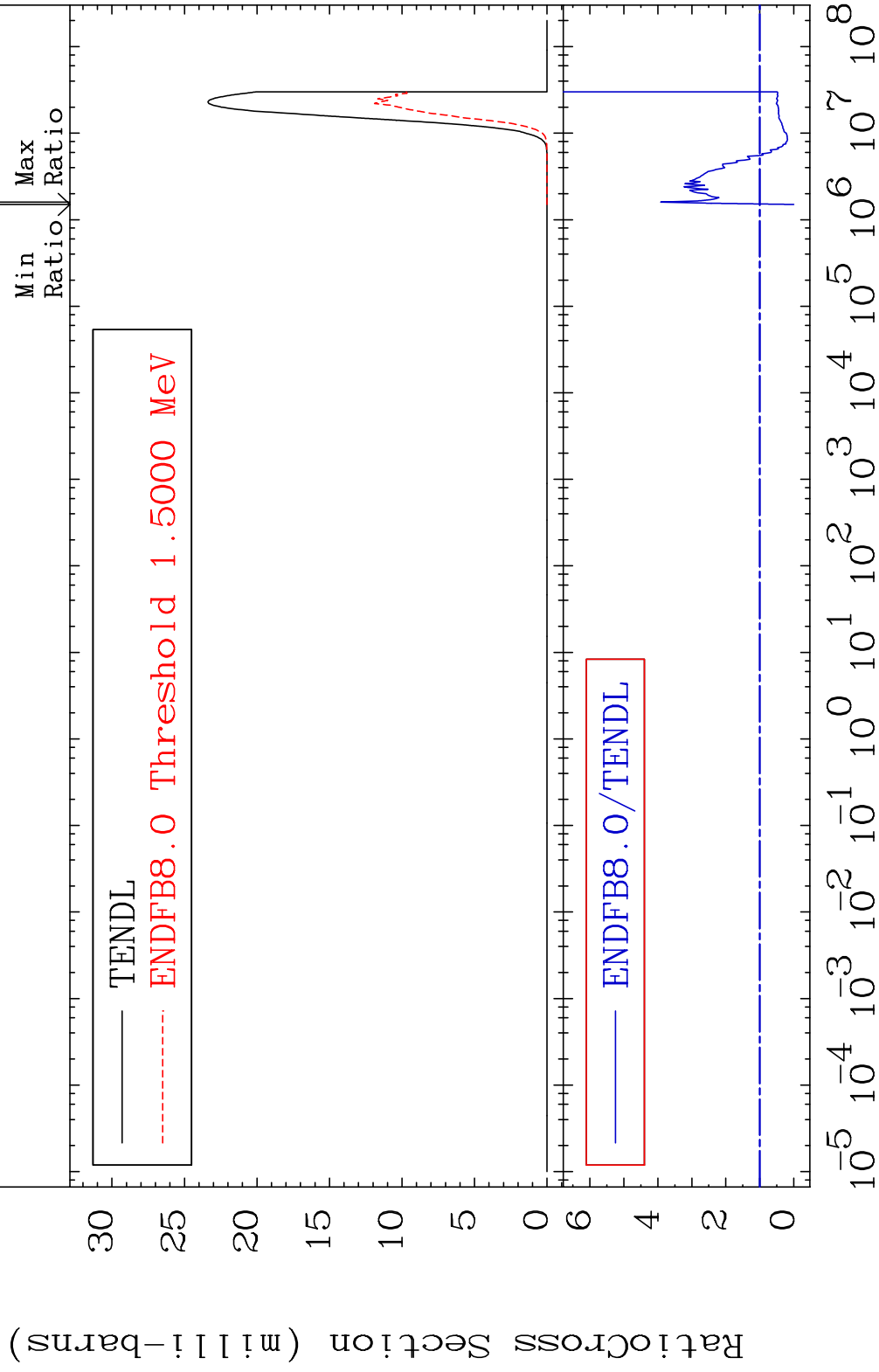
69-Tm-169

MAT 6925

(n, p)

69-Tm-169

Cross Section -100.0 To 291.7 %

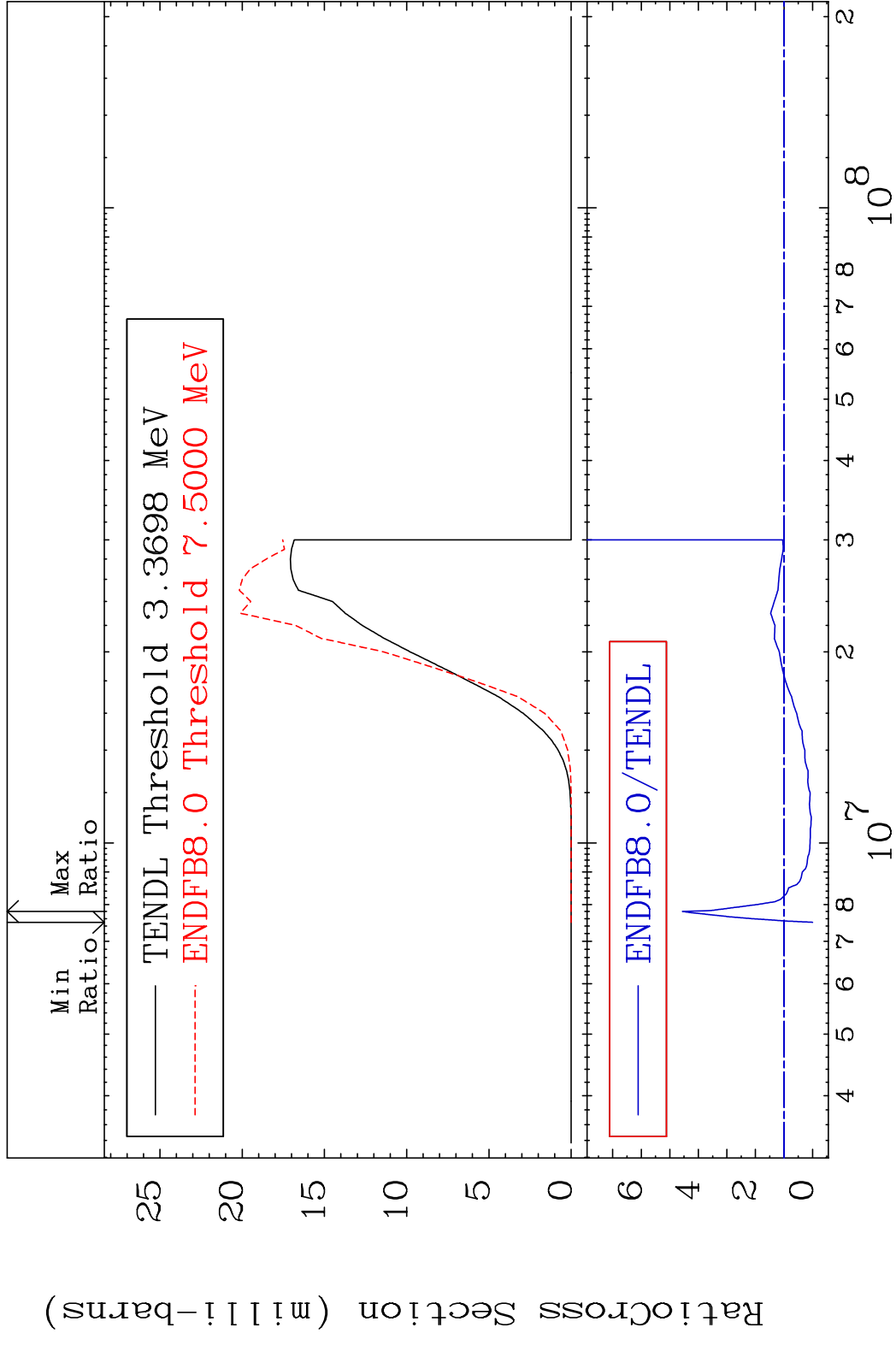


41

Incident Energy (eV)

69-Tm-169

MAT 6925 (n,d) 69-Tm-169  
 Cross Section -100.0 To 356.1 %

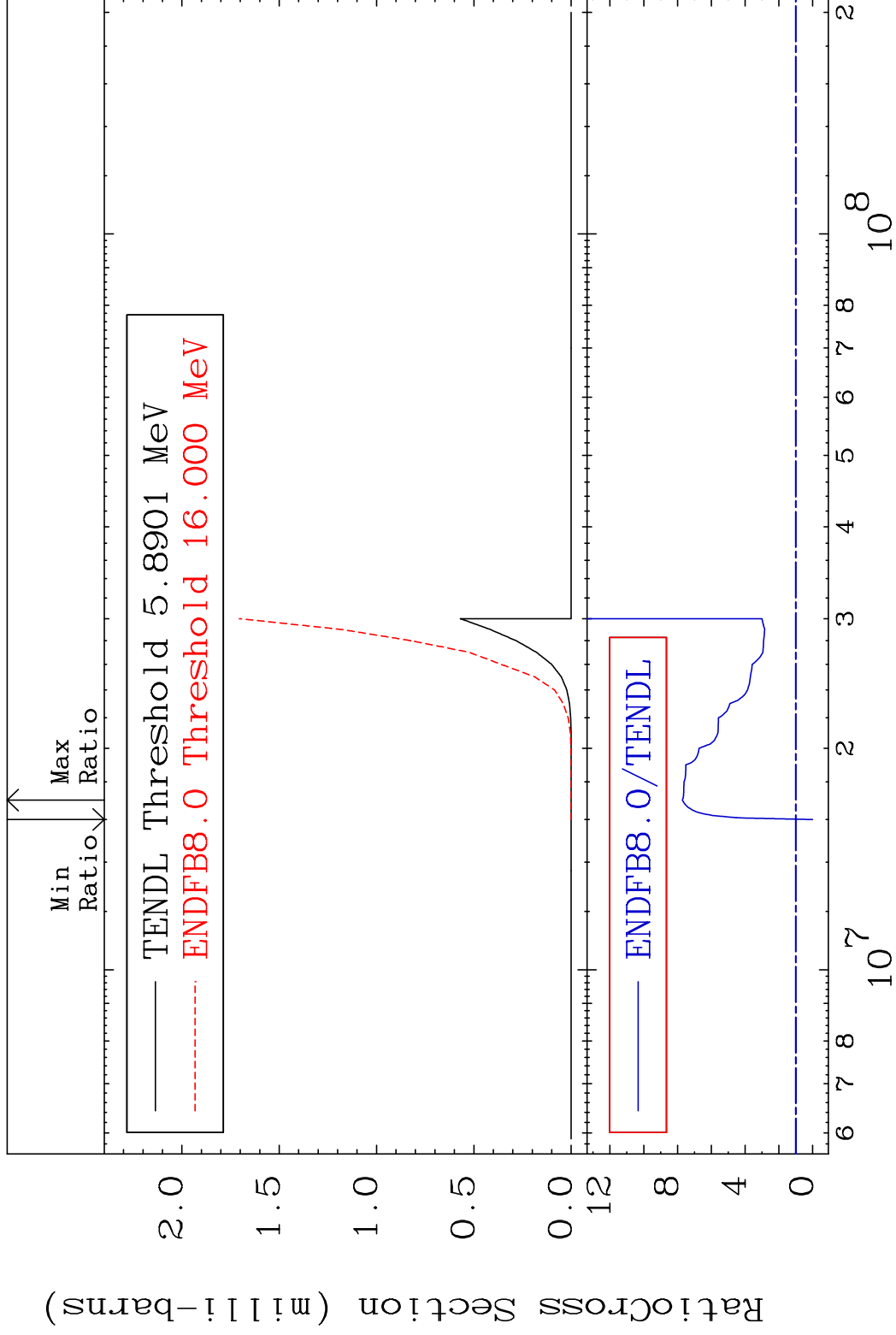


MAT 6925

(n, He-3)

69-Tm-169

Cross Section -100.0 To 671.2 %



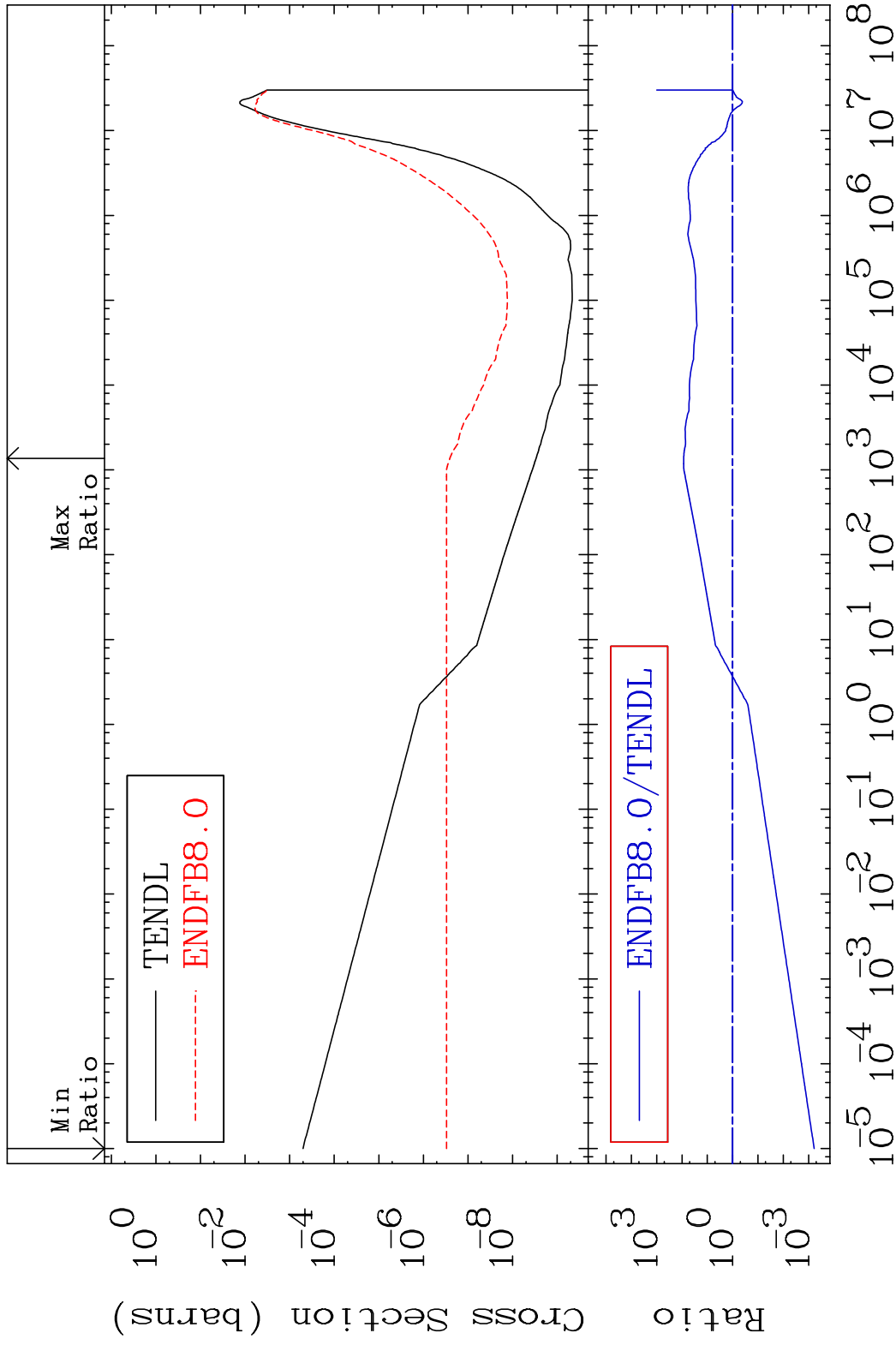
43

Incident Energy (eV)

69-Tm-169

MAT 6925

(n,  $\alpha$ )  
Cross Section -99.94 To 8521. %  
69-Tm-169



44

Incident Energy (eV)

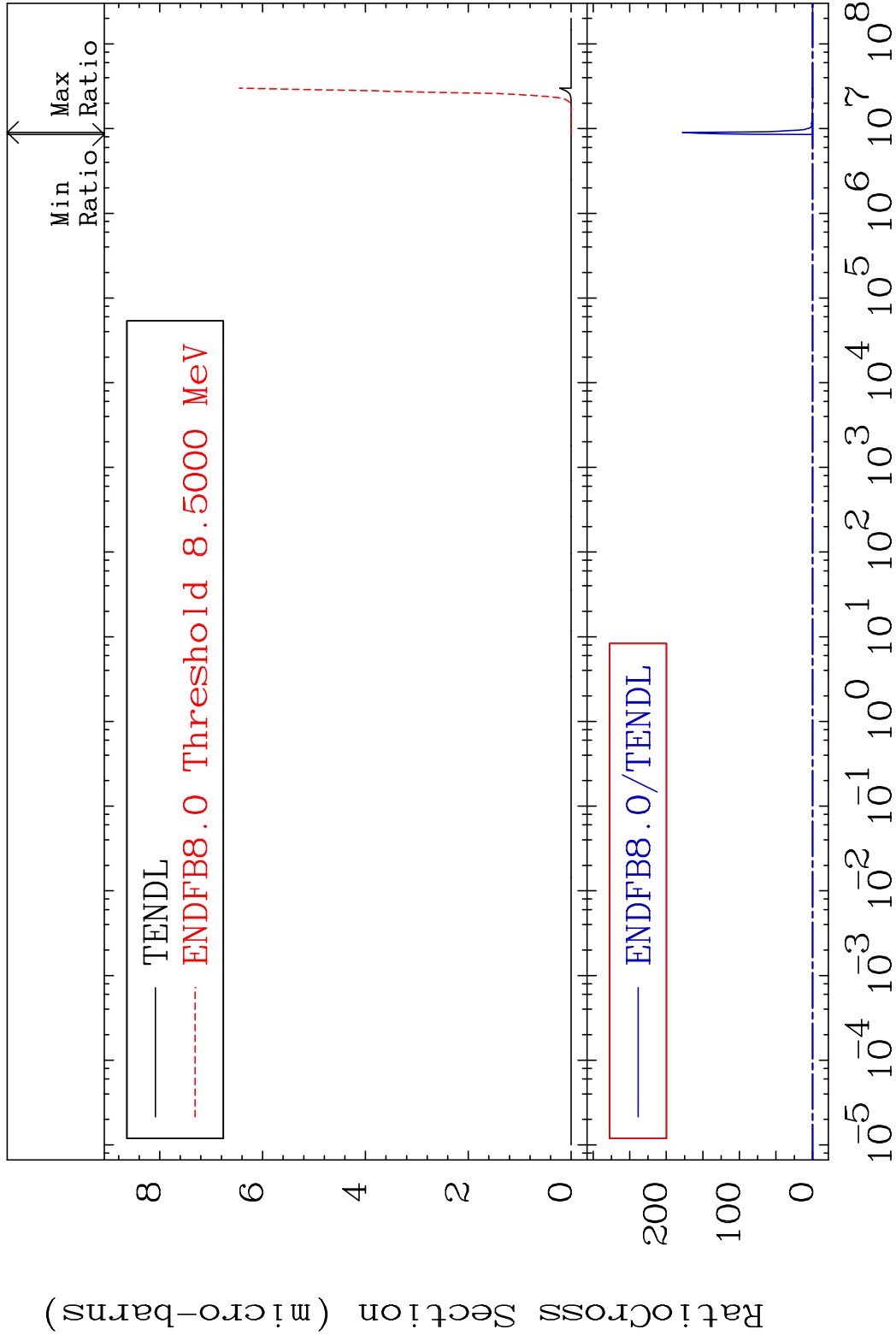
69-Tm-169

MAT 6925

(n,p)  $\alpha$

69-Tm-169

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

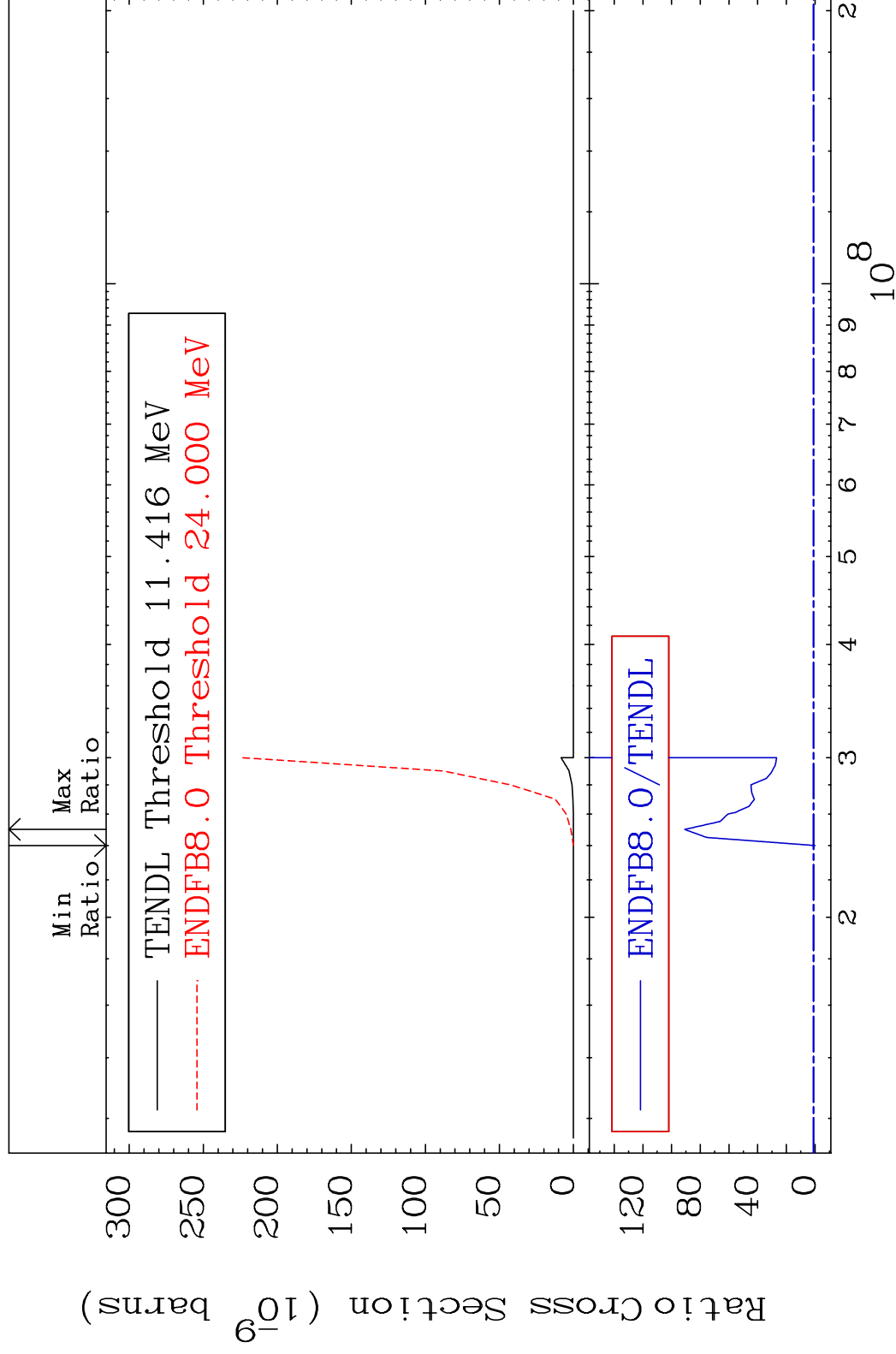
69-Tm-169

MAT 6925

(n,p) d

69-Tm-169

Cross Section -100.0 To 8984. %



46

Incident Energy (eV)

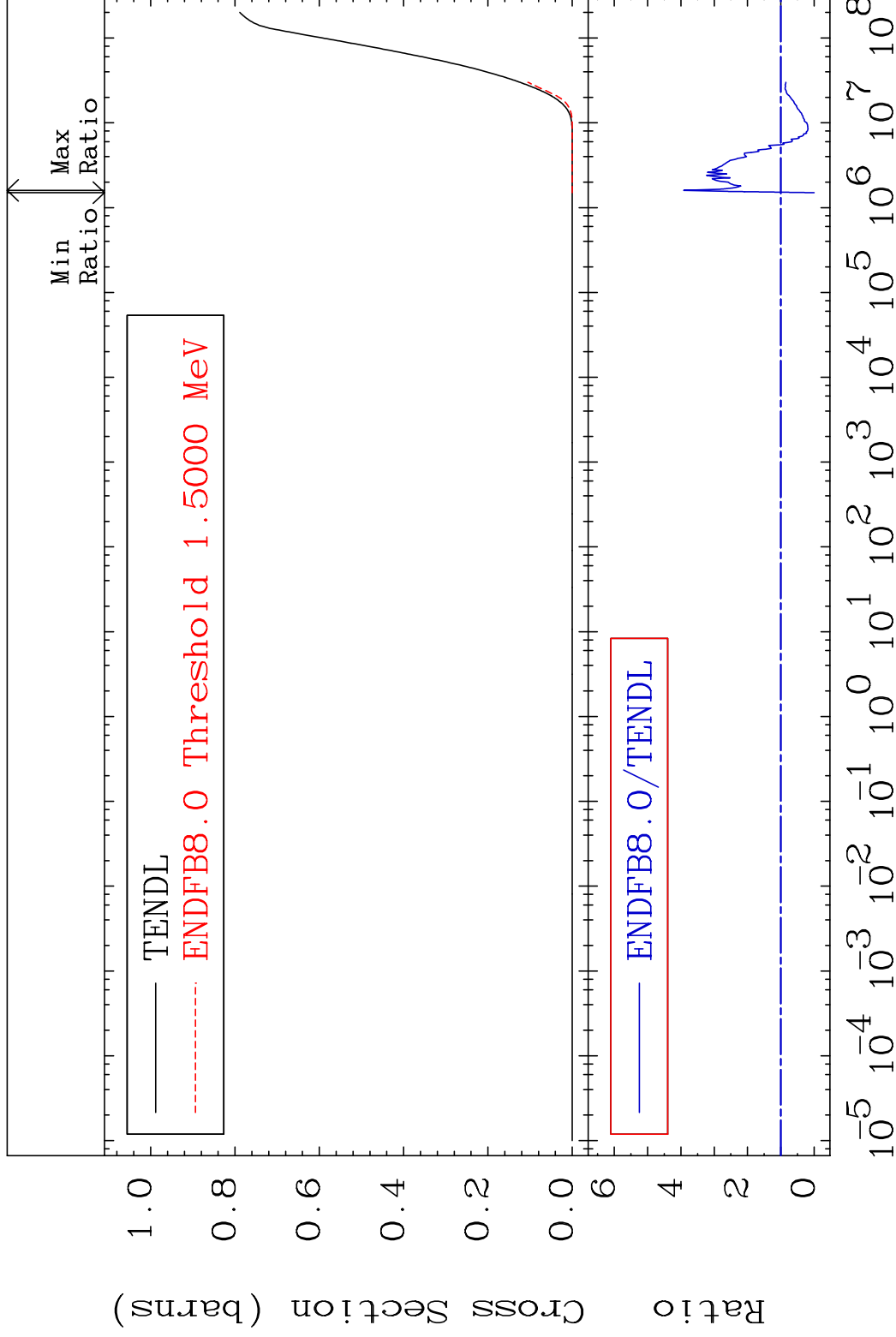
69-Tm-169

MAT 6925

Hydrogen Production

69-Tm-169

Cross Section -100.0 To 291.7 %



47

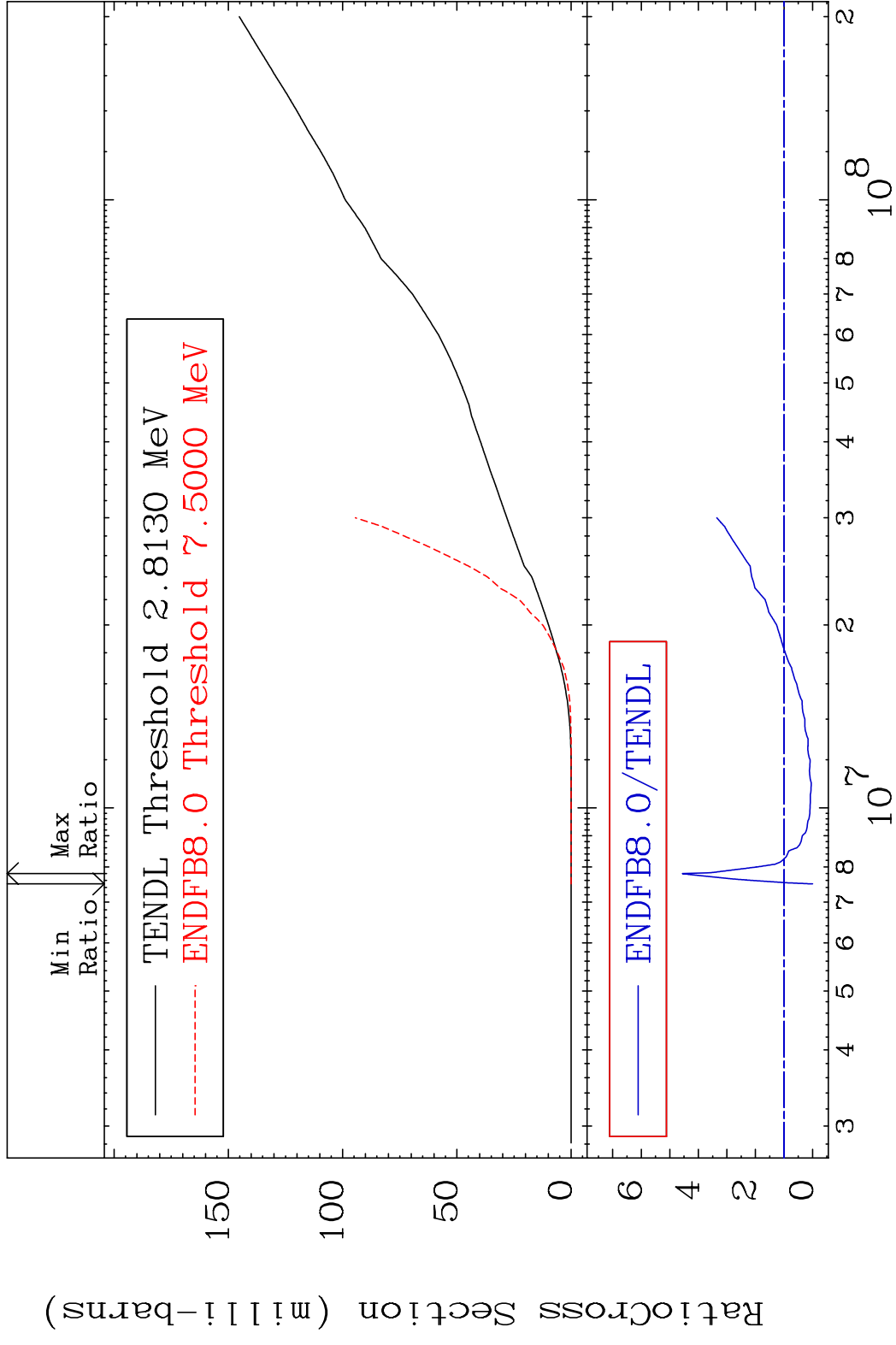
Incident Energy (eV)

69-Tm-169



MAT 6925

Deuterium Production 69-Tm-169  
Cross Section -100.0 To 356.1 %



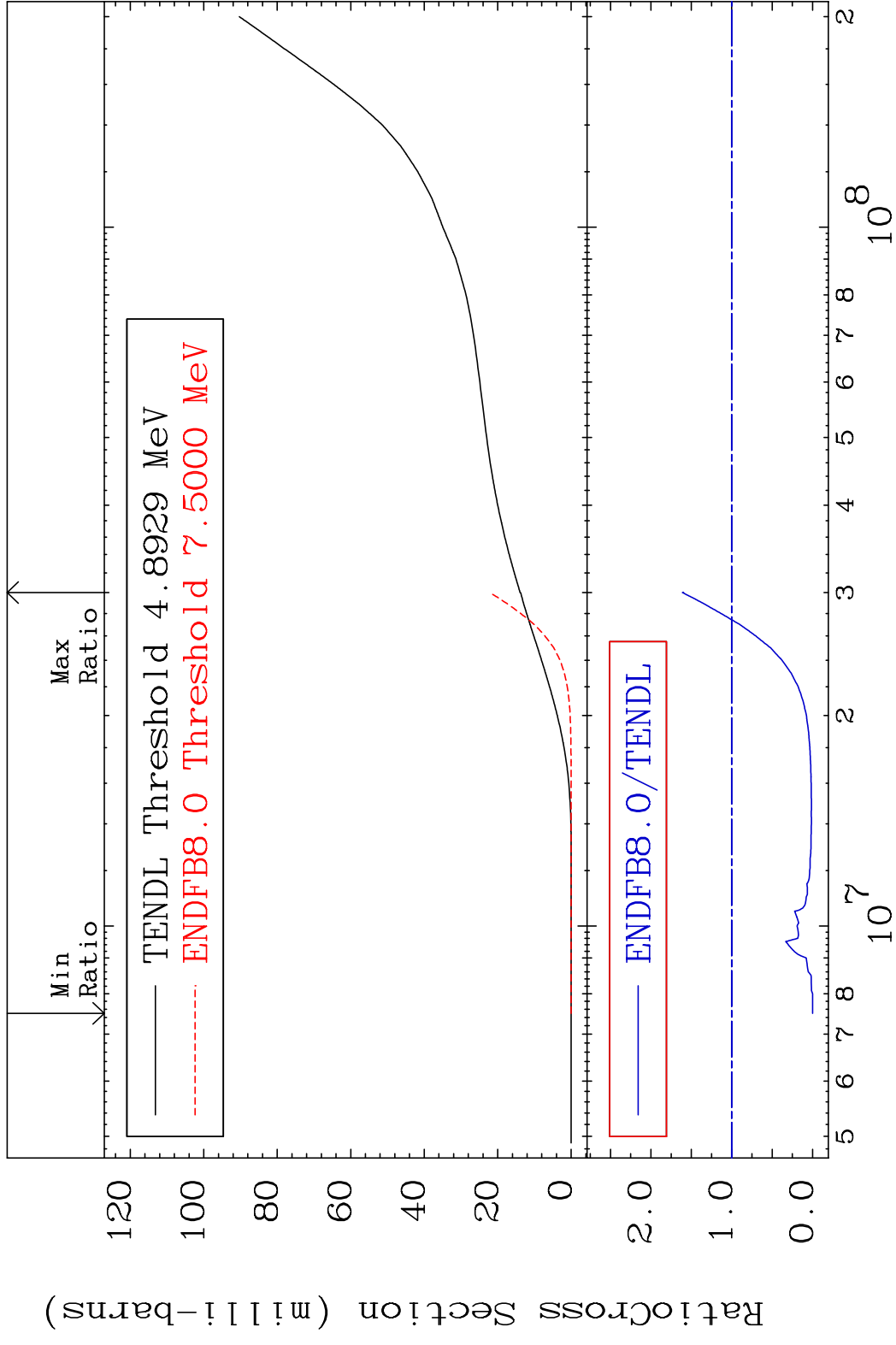
48

Incident Energy (eV)

69-Tm-169

MAT 6925

Tritium Production 69-Tm-169  
Cross Section -100.0 To 61.09 %



49

Incident Energy (eV)

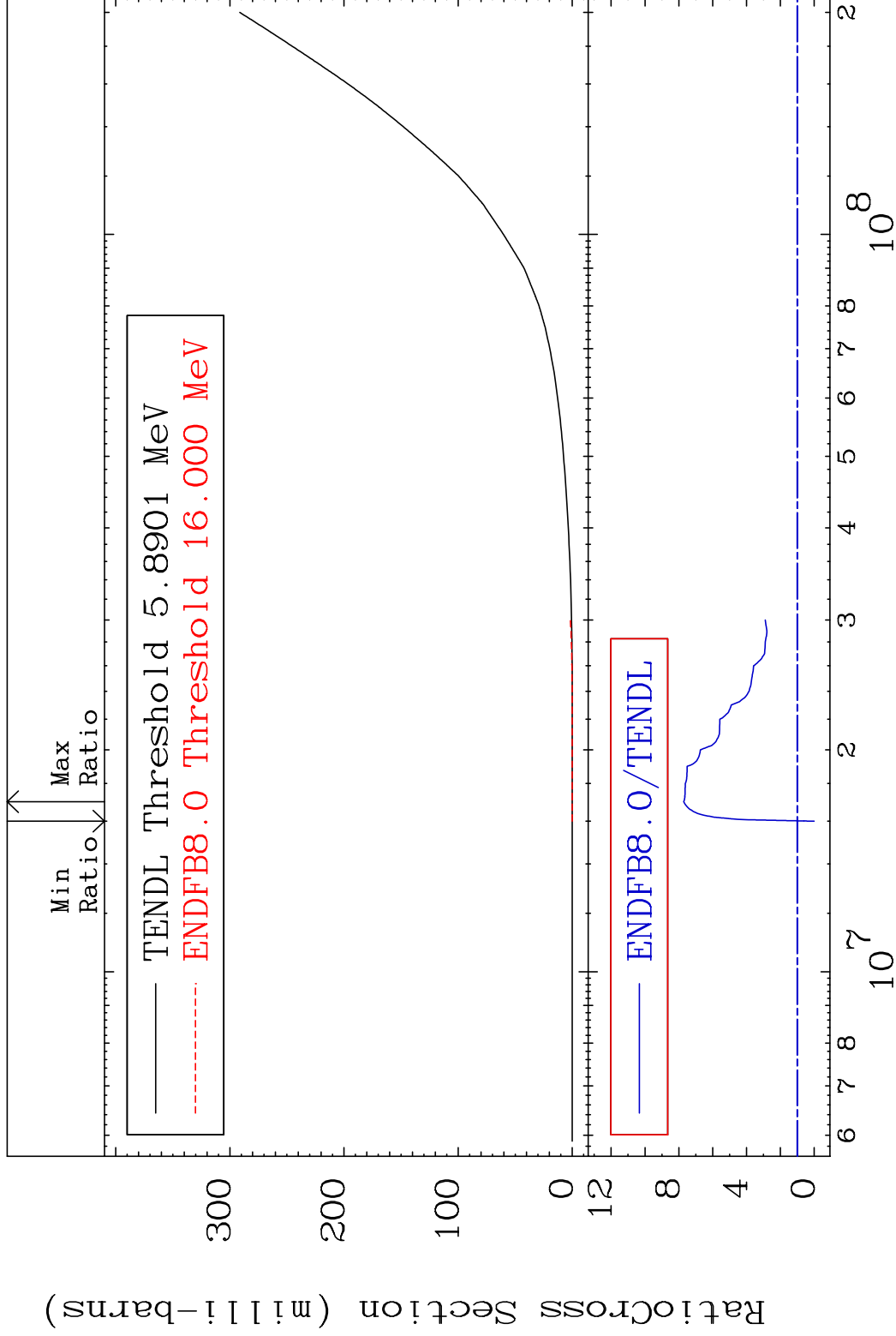
69-Tm-169

MAT 6925

He-3 Production

69-Tm-169

Cross Section -100.0 To 671.2 %

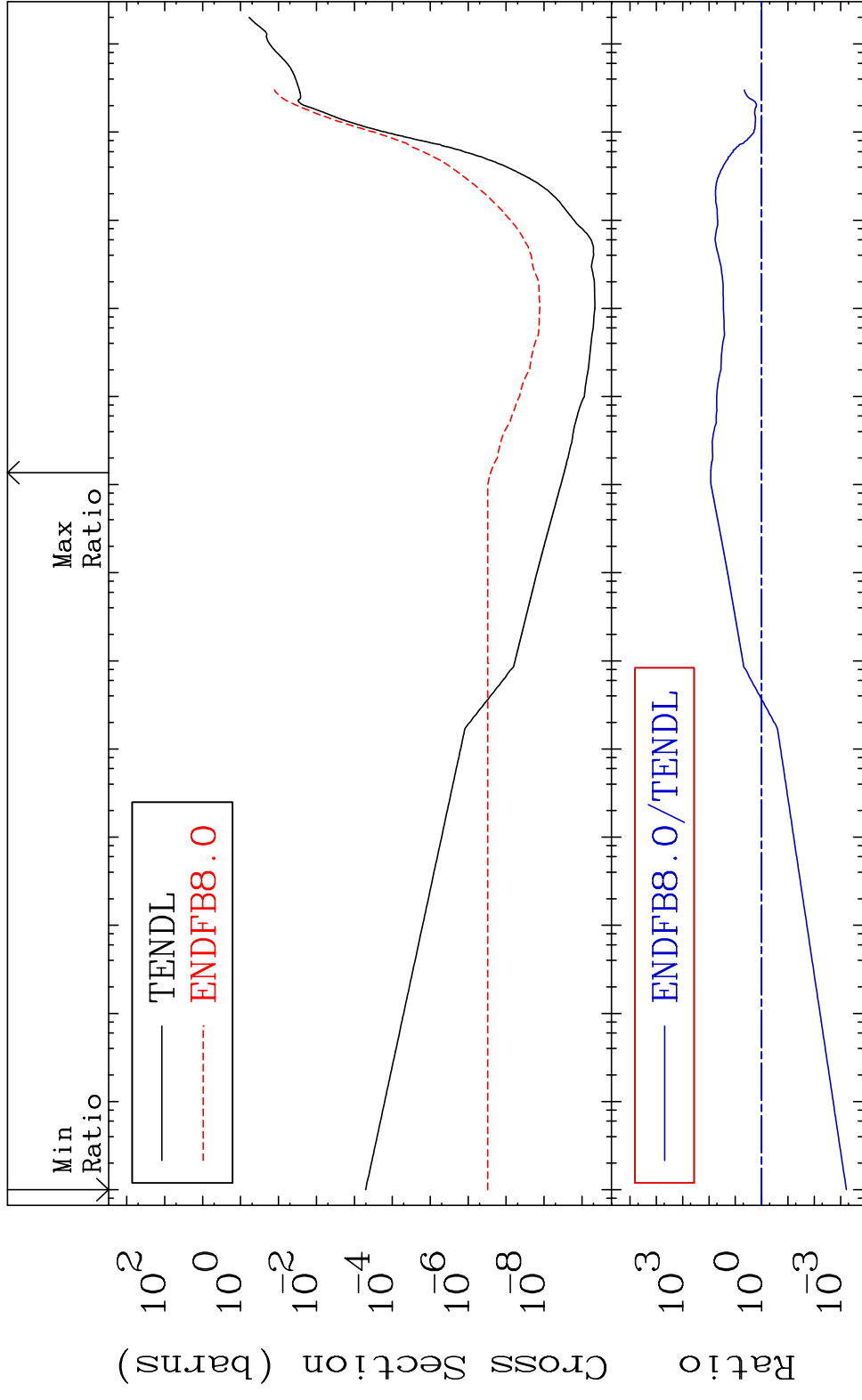


50

Incident Energy (eV)

69-Tm-169

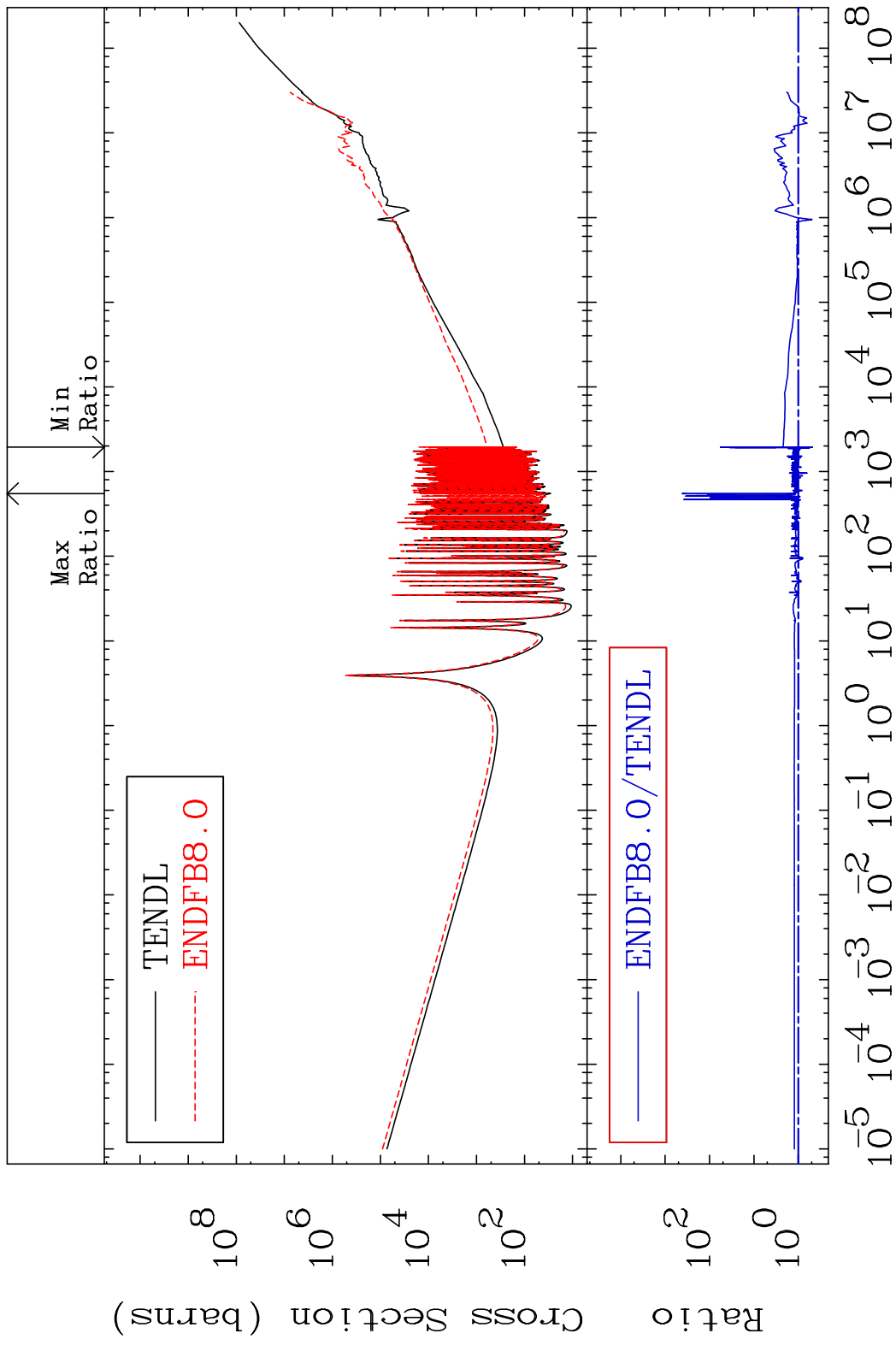
MAT 6925 He-4 Production 69-Tm-169  
 Cross Section -99.94 To 8521. %



10<sup>2</sup>  
 10<sup>0</sup>  
 10<sup>-2</sup>  
 10<sup>-4</sup>  
 10<sup>-6</sup>  
 10<sup>-8</sup>  
 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>

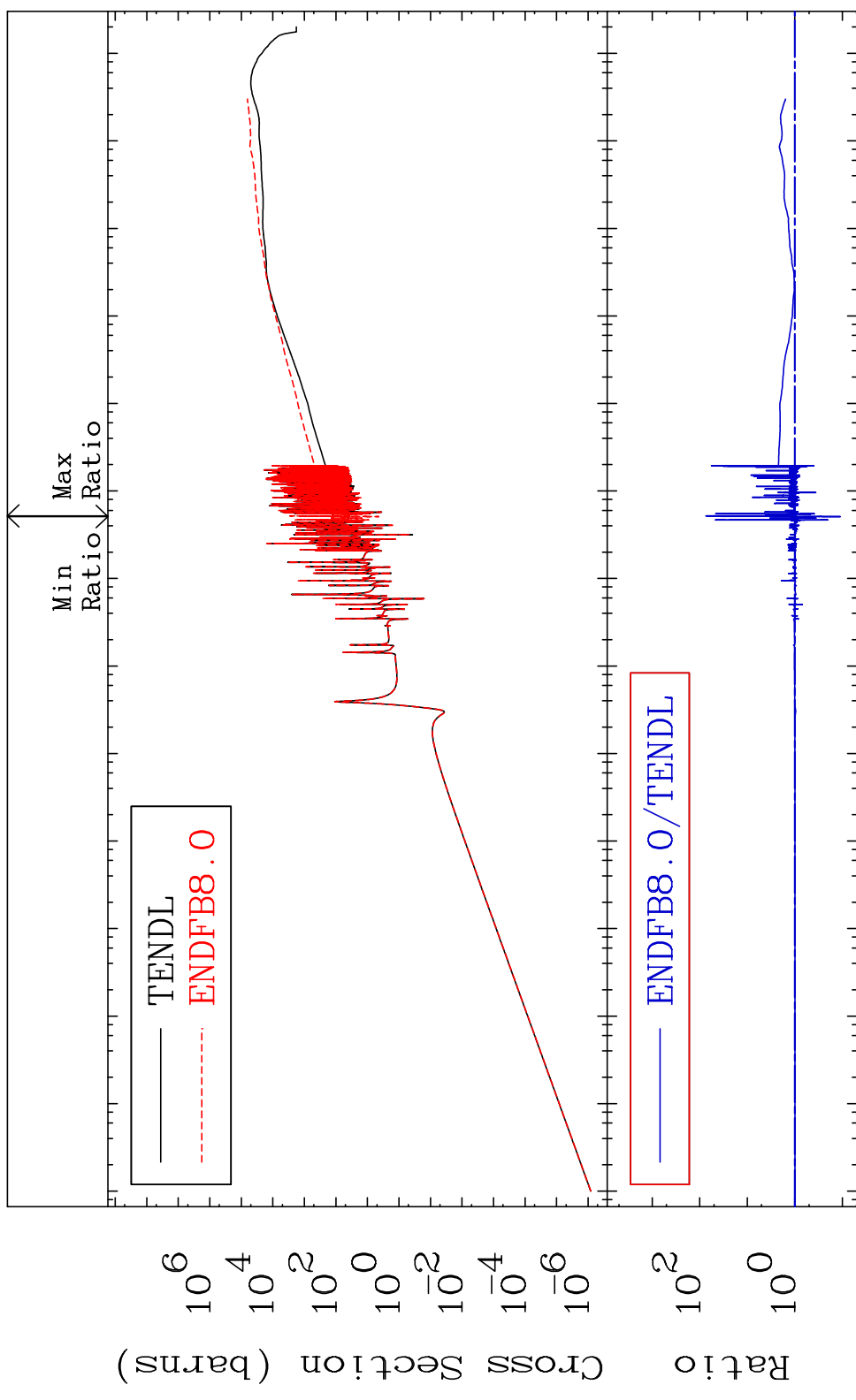
MAT 6925 Kerma total (eV-barns) 69-Tm-169  
 Cross Section -52.18 To 9999. %



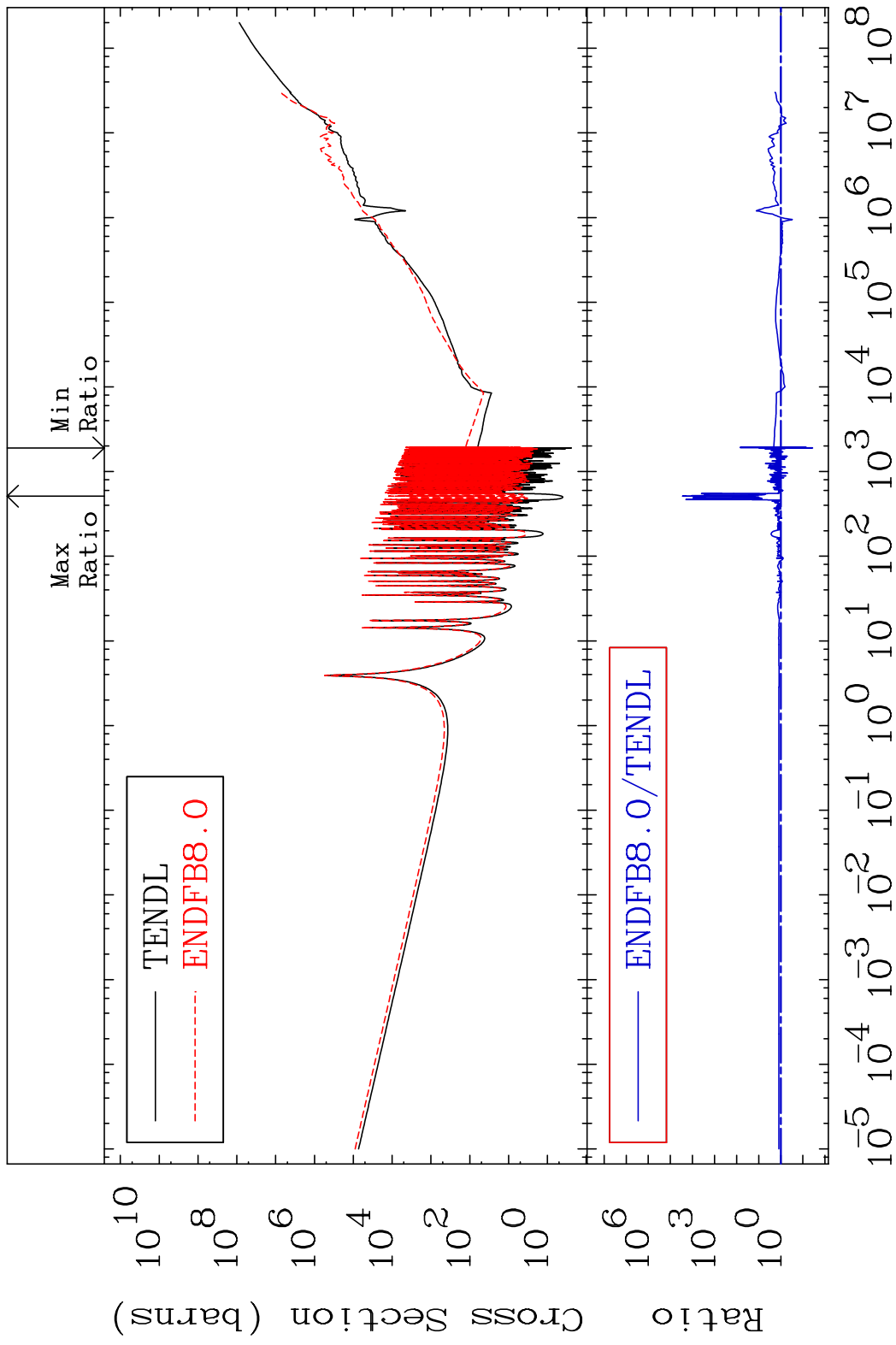
MAT 6925

Kerma elastic  
Cross Section -89.06 To 7355. %

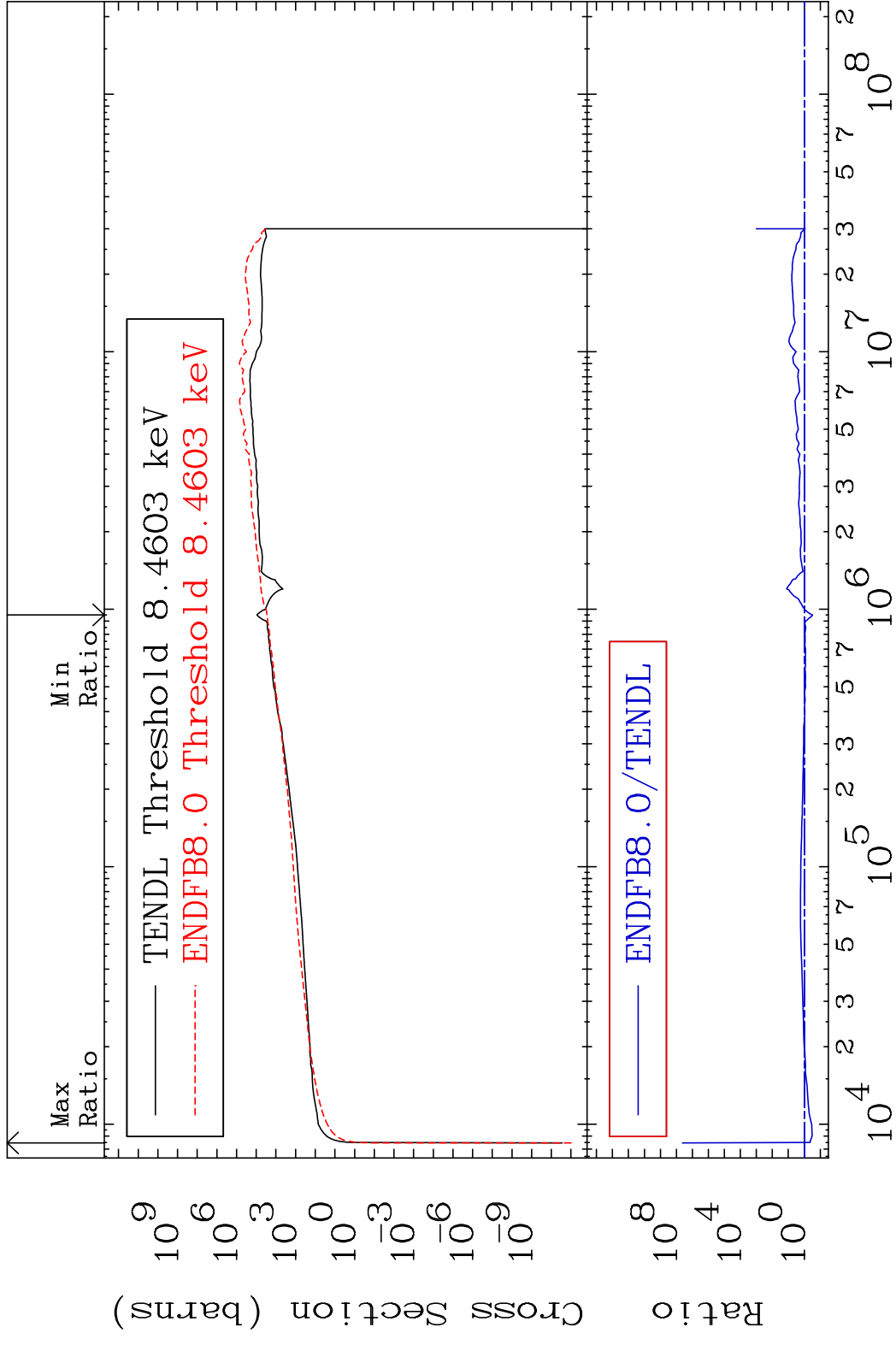
69-Tm-169



MAT 6925 Kerma non-elastic (all but mt2) 69-Tm-169  
 Cross Section -96.35 To 9999. %

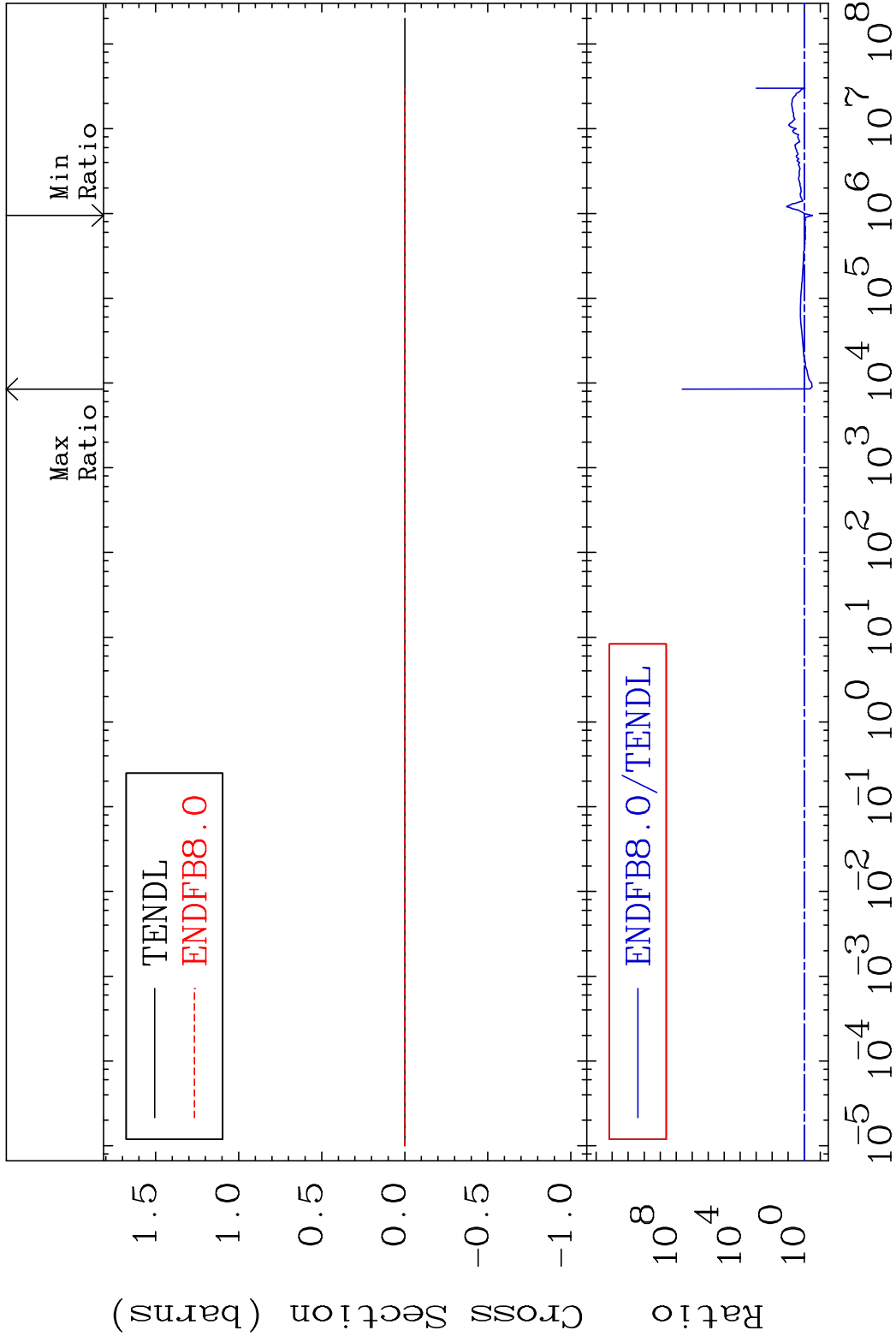


MAT 6925 Kerma inelastic (mt51-91) 69-Tm-169  
 Cross Section -69.63 To 9999. %



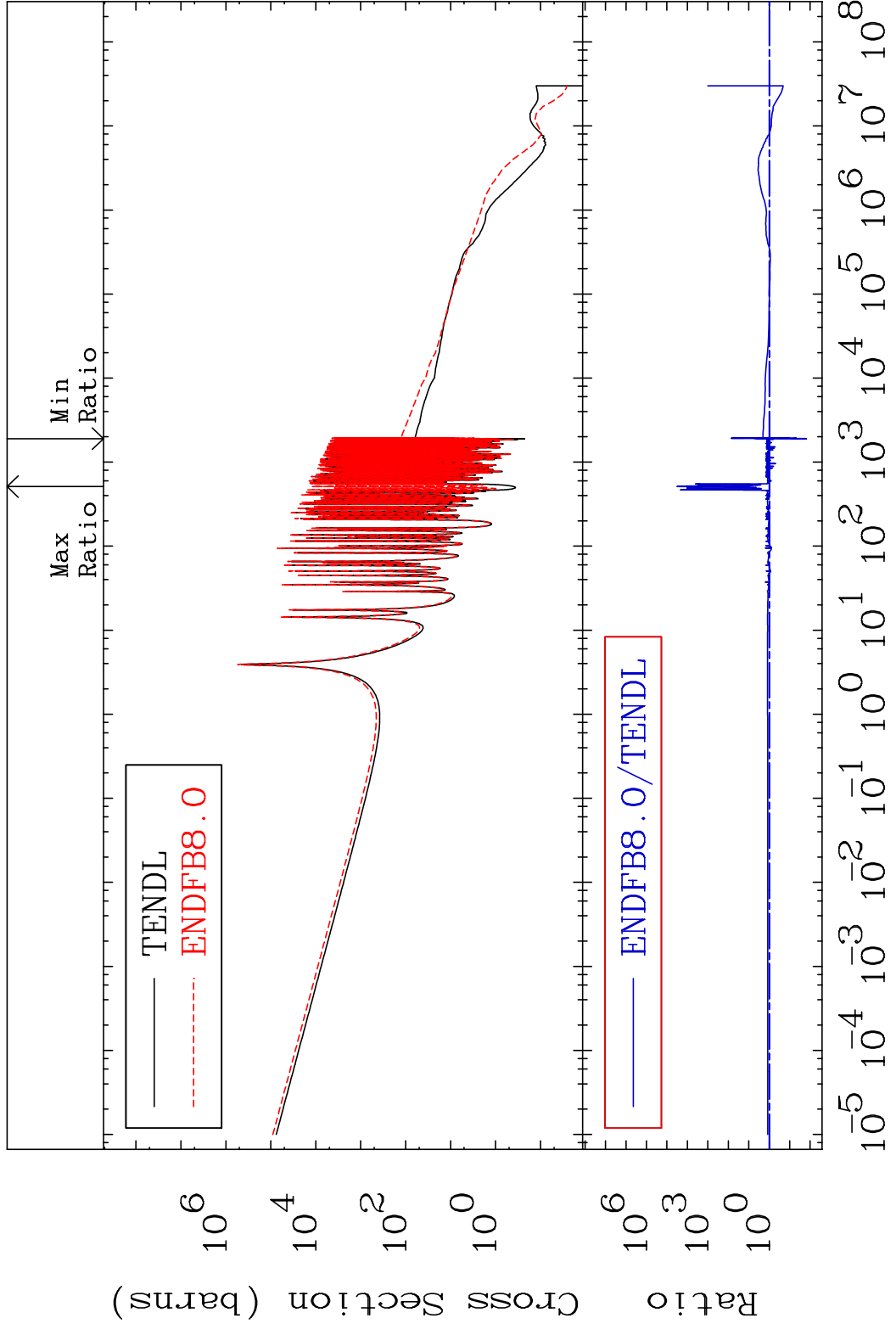


MAT 6925 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-169  
 Cross Section -69.63 To 9999. %



MAT 6925

Kerma capture (mt102) 69-Tm-169  
Cross Section -98.47 To 9999. %



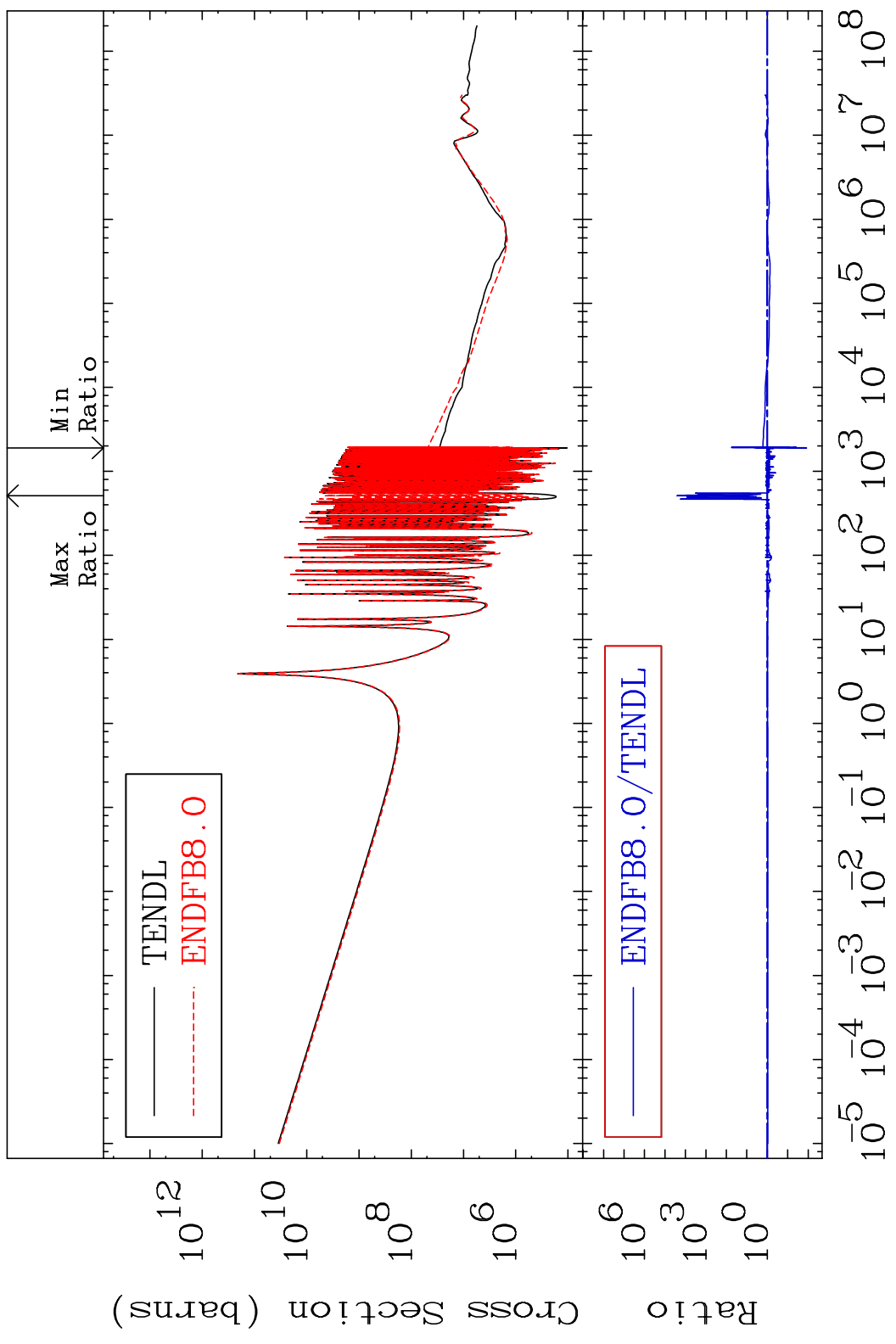
57

Incident Energy (eV)

69-Tm-169

MAT 6925

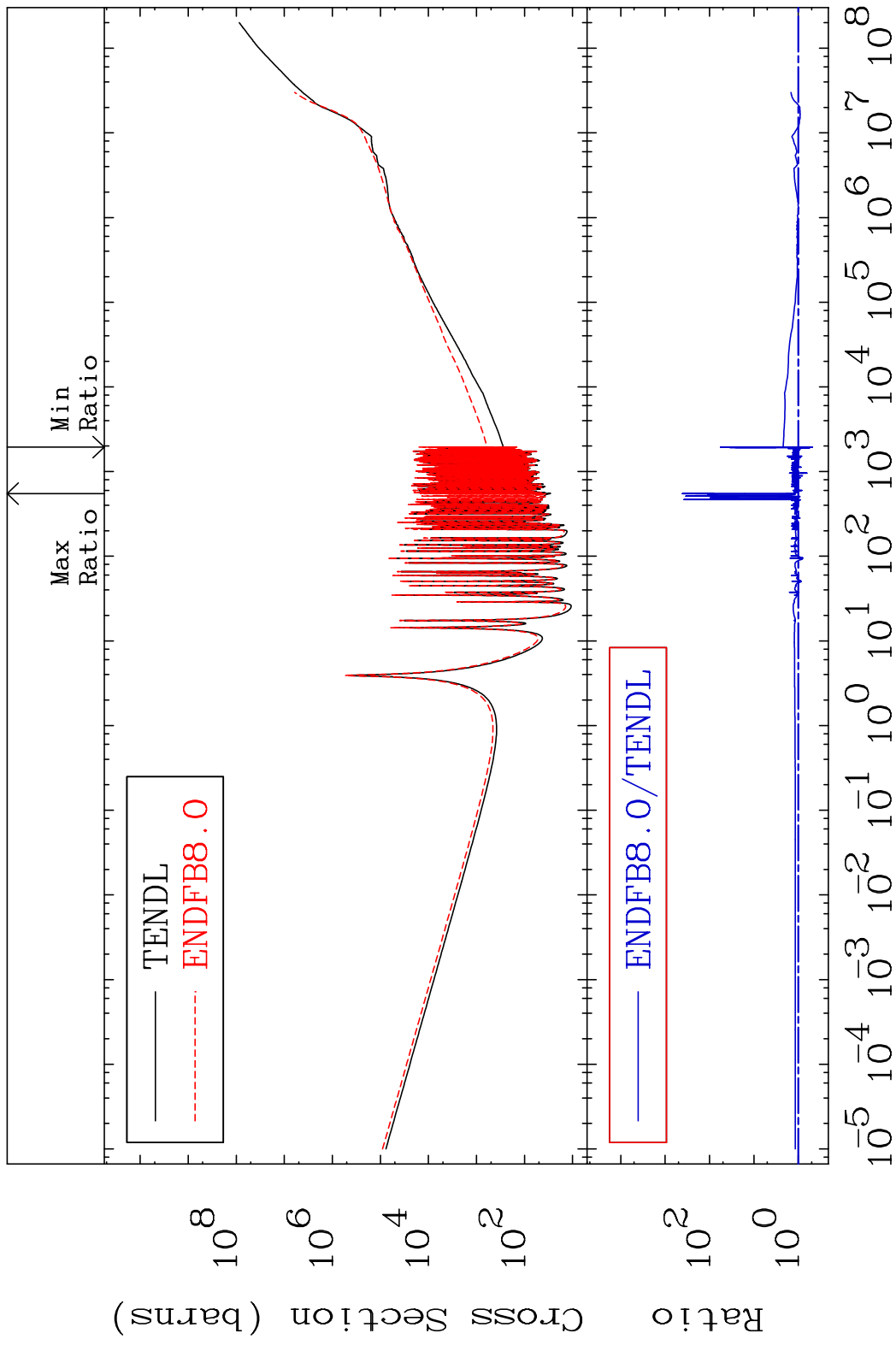
Total photon (eV-barns) 69-Tm-169  
Cross Section -98.777 To 9999. %



58

Incident Energy (eV) 69-Tm-169

MAT 6925 Total kinematic kerma (high limit) 69-Tm-169  
Cross Section -52.18 To 9999. %

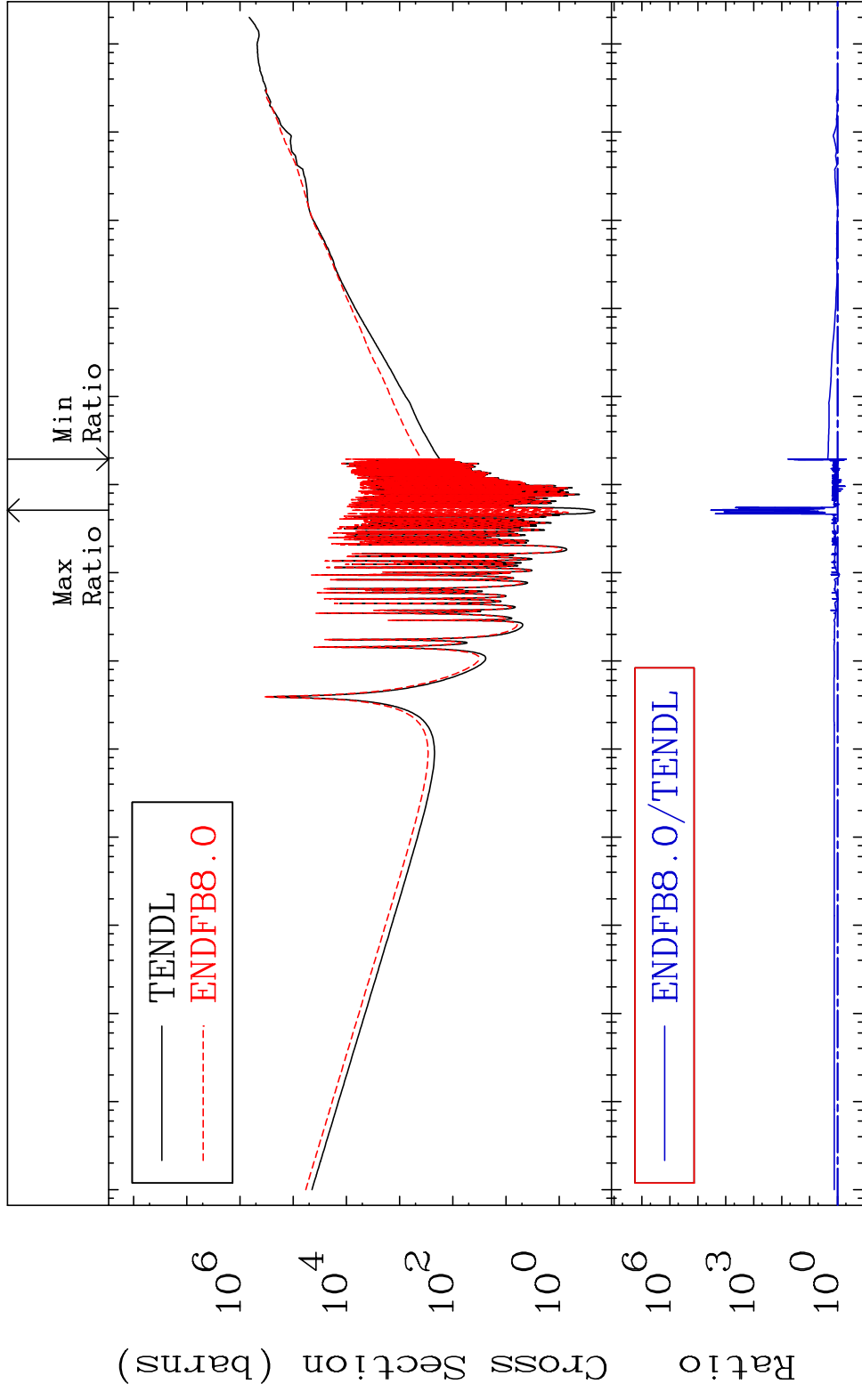


MAT 6925

Dpa total (eV-barns)

69-Tm-169

Cross Section -51.27 To 9999. %



60

Incident Energy (eV)

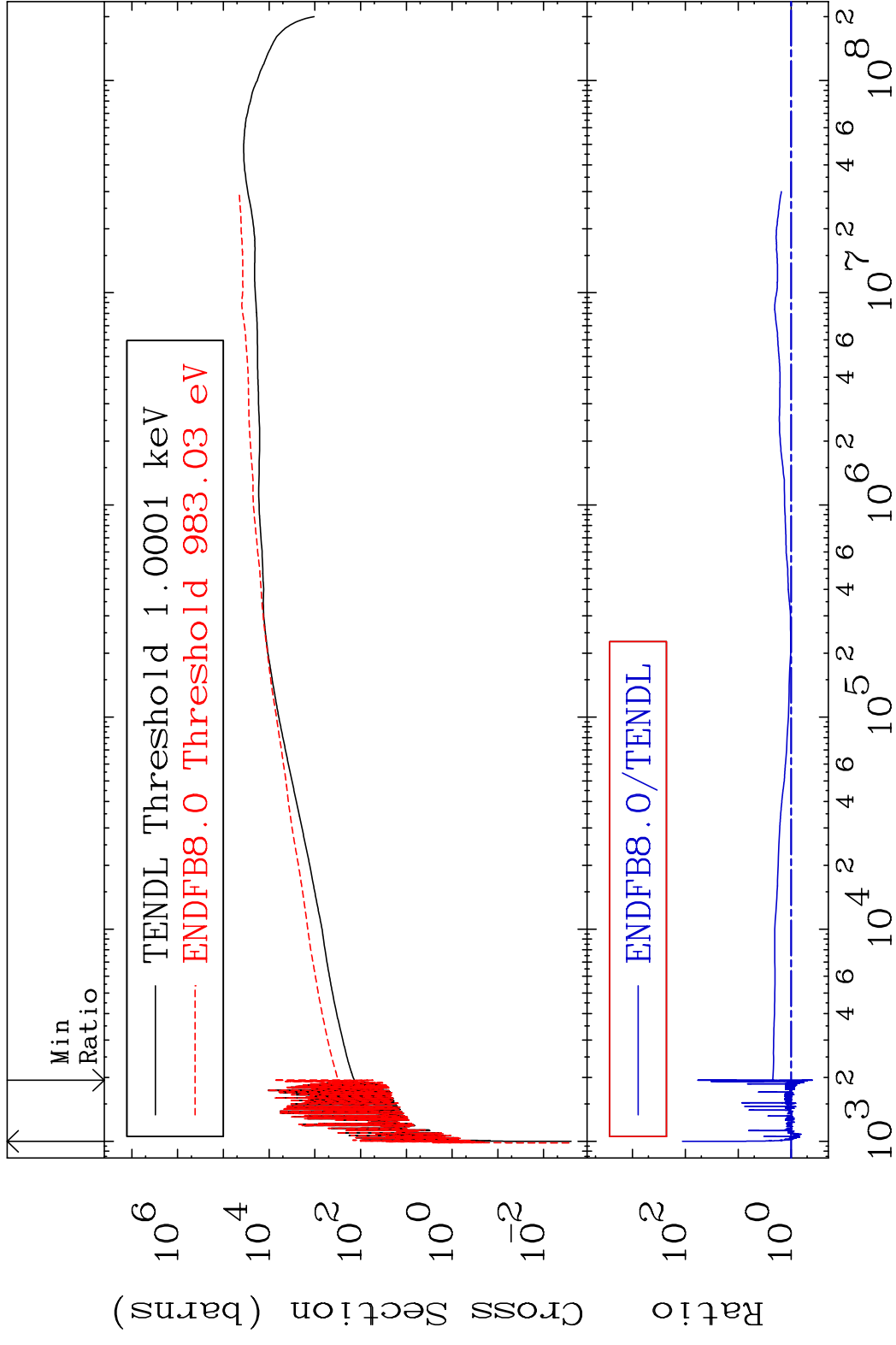
69-Tm-169

MAT 6925

Dpa elastic (mt2)

69-Tm-169

Cross Section -60.63 To 9999. %

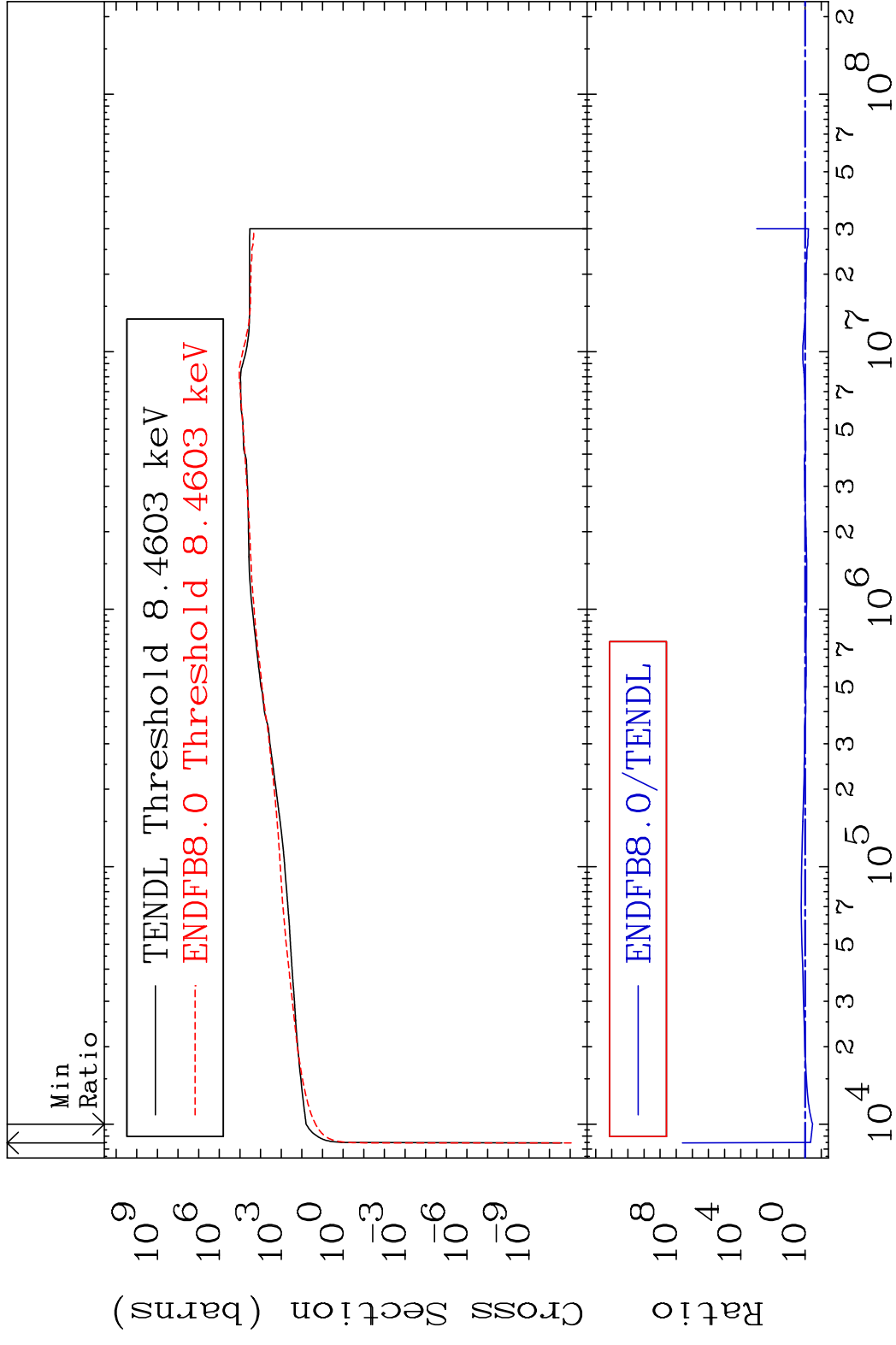


61

Incident Energy (eV)

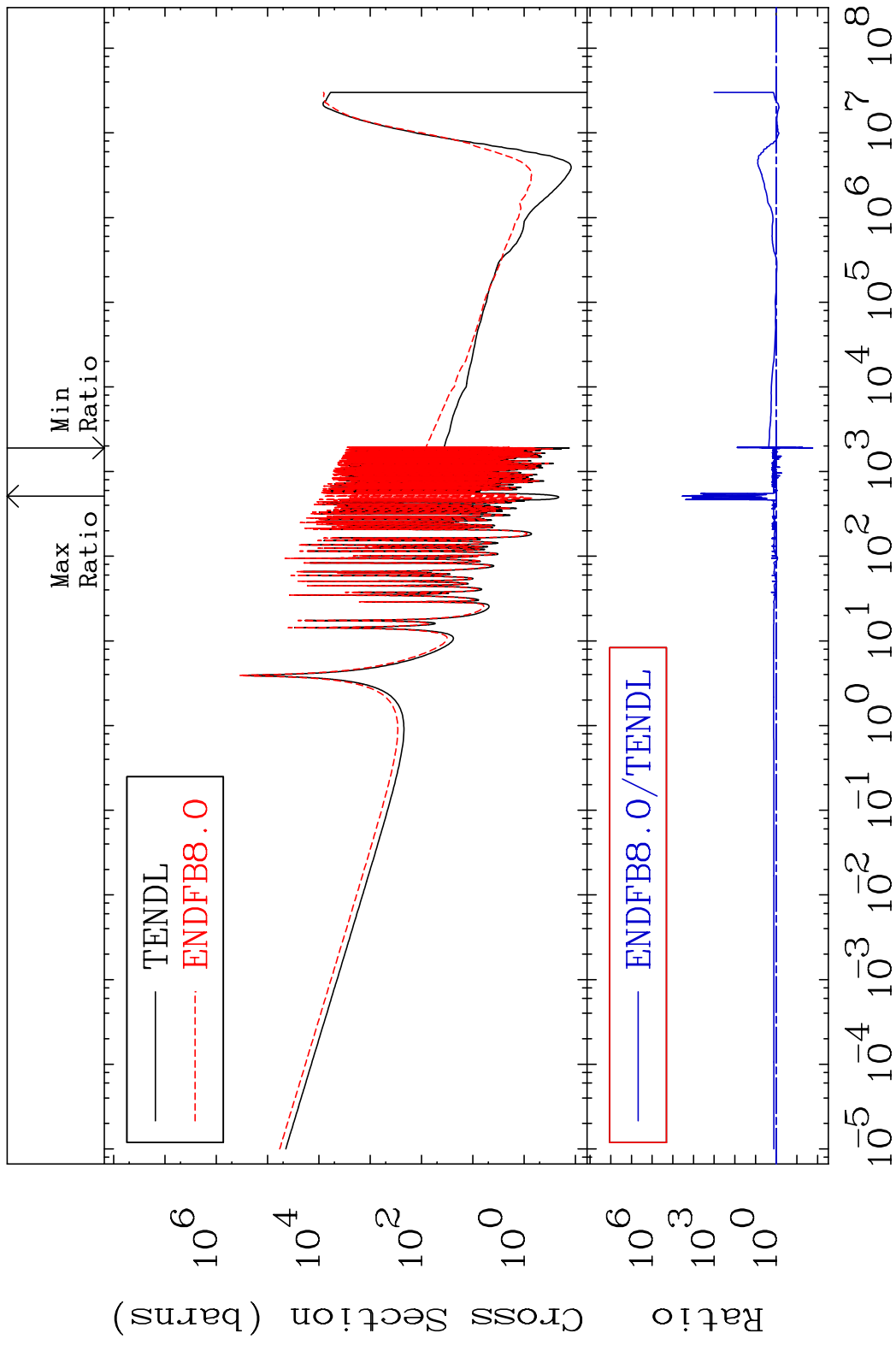
69-Tm-169

MAT 6925 Dpa inelastic (mt51-91) 69-Tm-169  
 Cross Section -65.29 To 9999. %

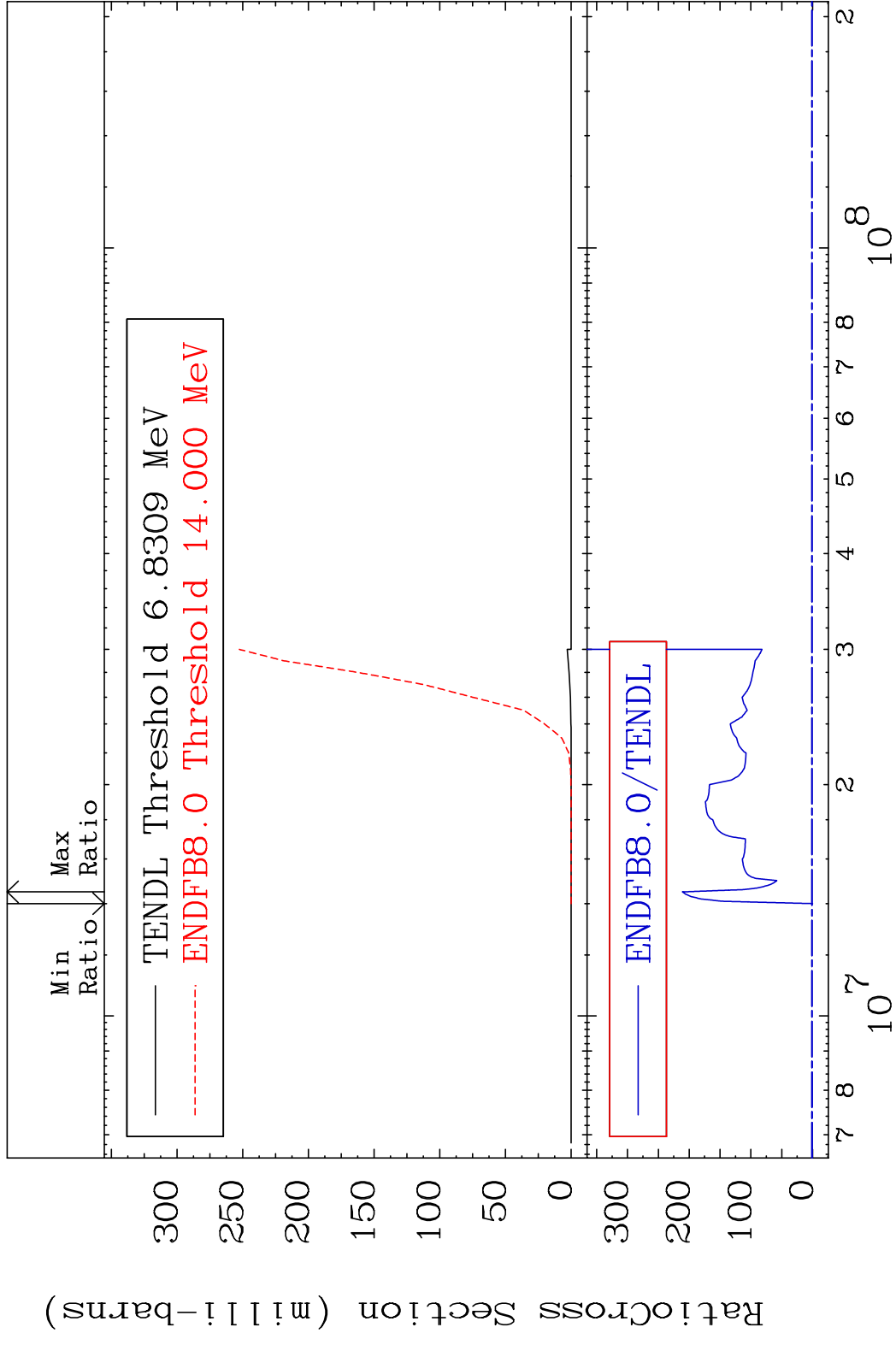


62 Incident Energy (eV) 69-Tm-169

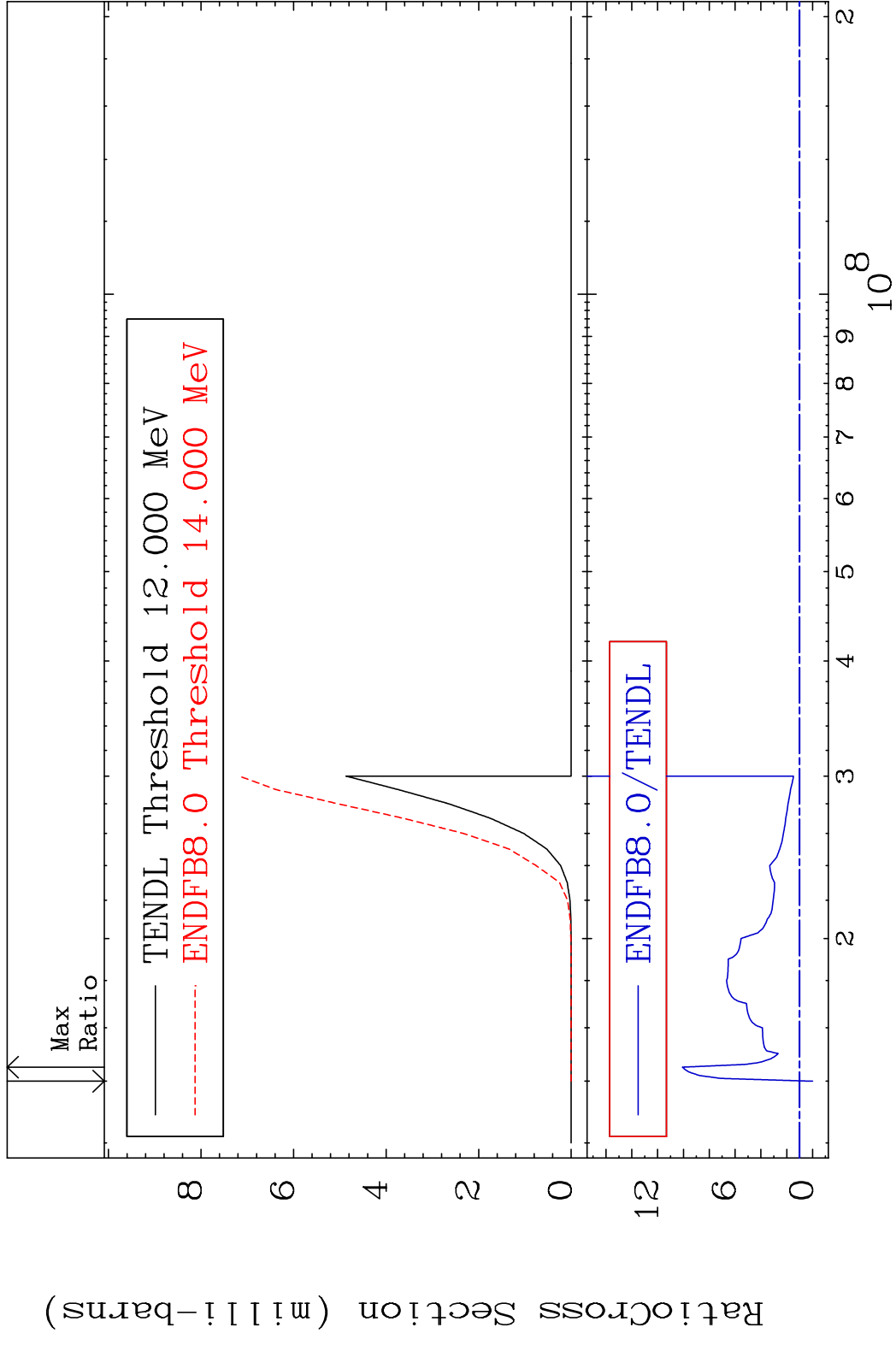
MAT 6925 Dpa disappearance (mt102 -120) 69-Tm-169  
 Cross Section -98.26 To 9999. %

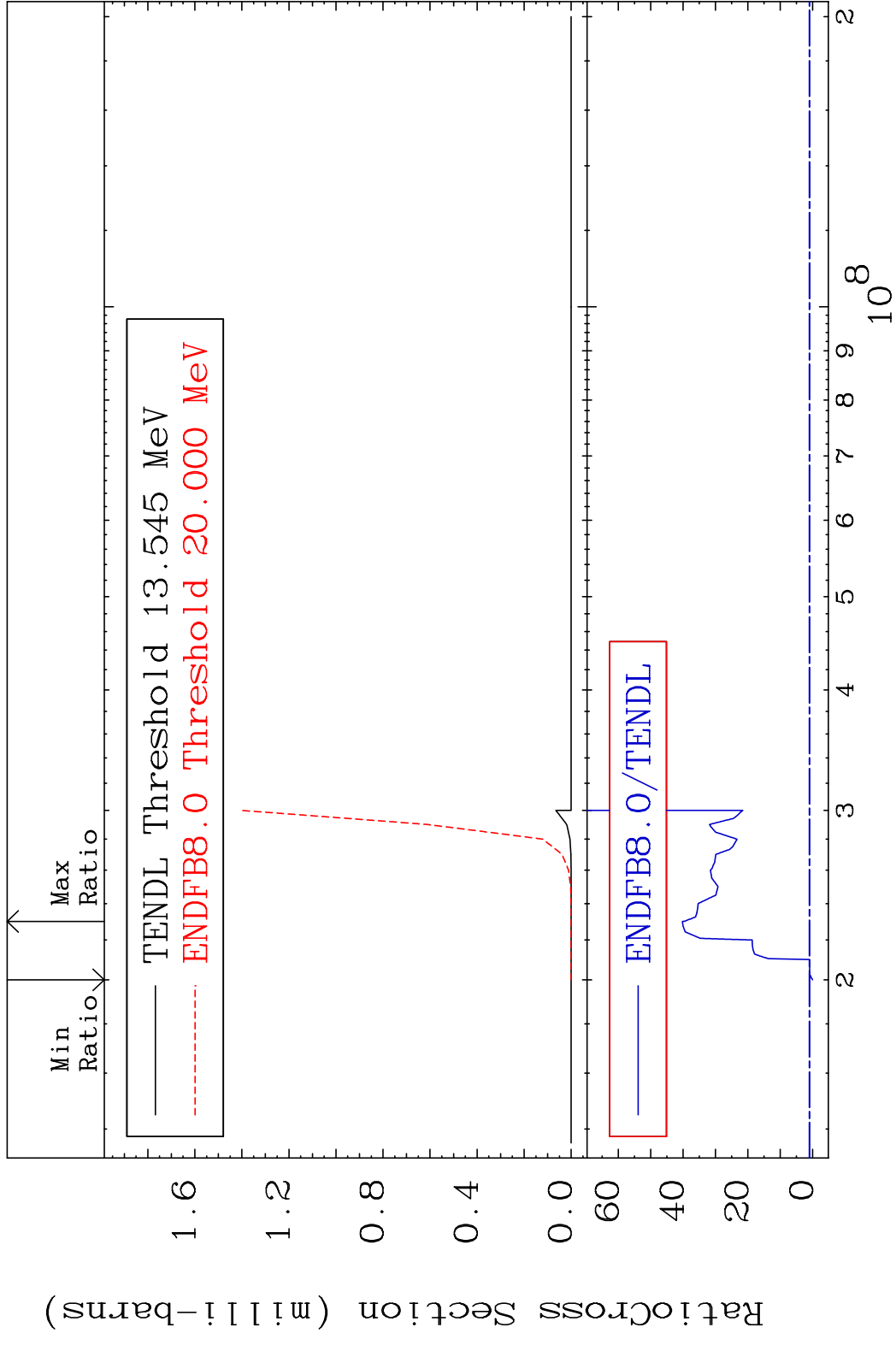






MAT 6925 (n,2n)  $\alpha$ :67-Ho-164m3 69-Tm-169  
 Radionuclide Production Cross Section 180.0 dth 908.5 %





MAT 6925 (n,3n)  $\alpha$ :67-Ho-163m3 69-Tm-169  
 Radionuclide Production Cross Section 180.0 dth 459.4 %

