

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

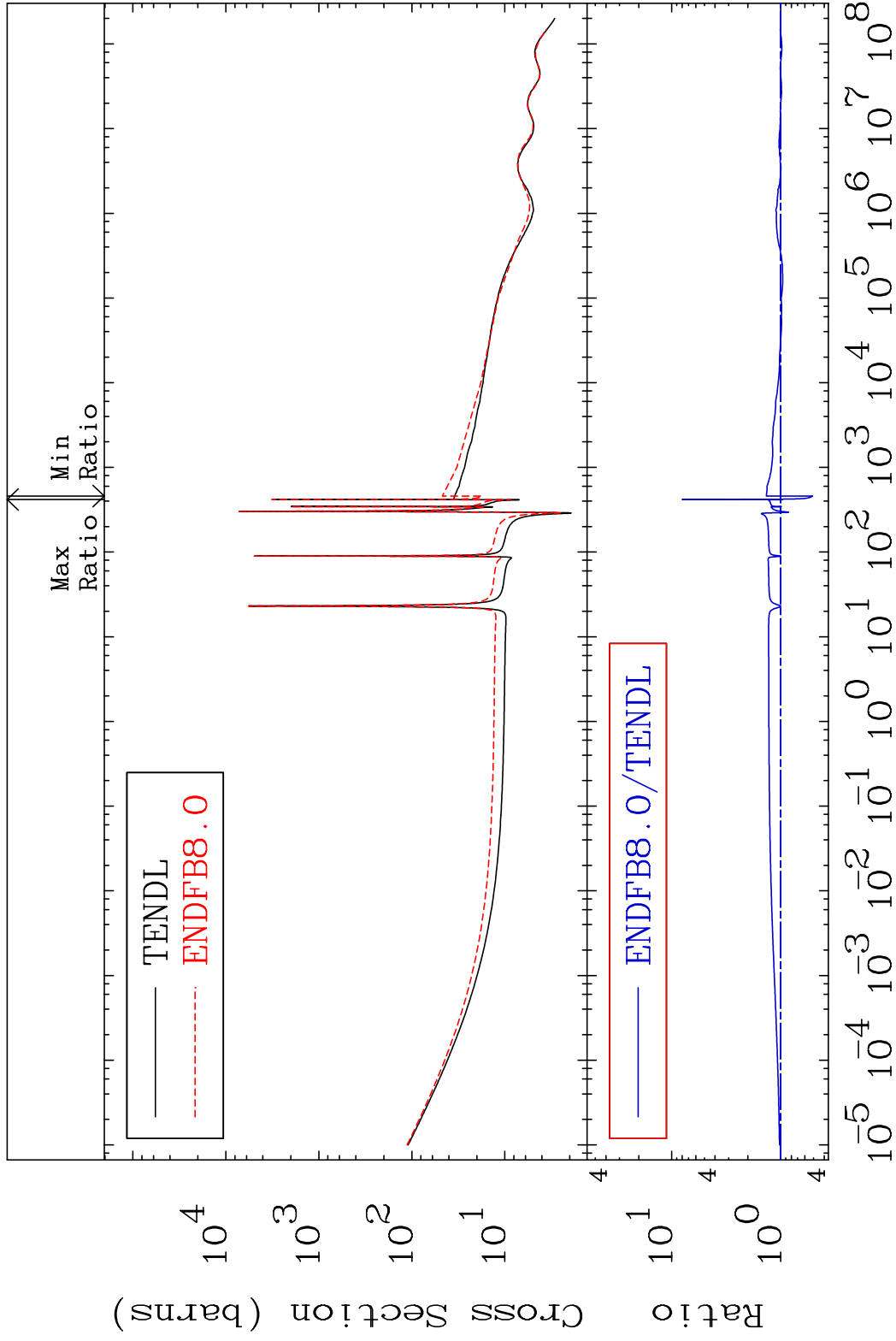
Press Mouse Button to Start

MAT 8031

Total

80-Hg-198

Cross Section -48.93 To 697.0 %



1

Incident Energy (eV)

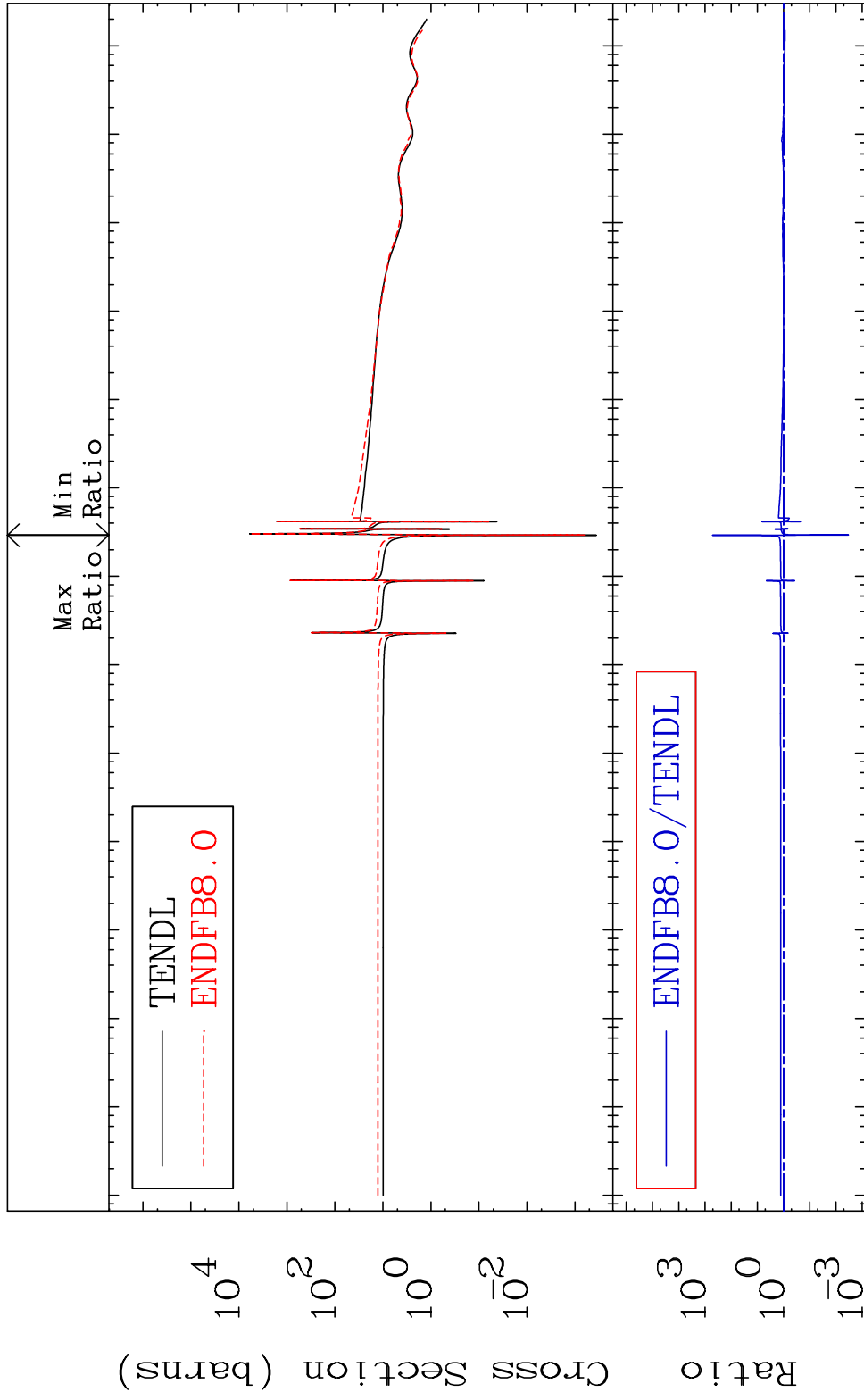
80-Hg-198

MAT 8031

Elastic

80-Hg-198

Cross Section -99.66 To 9999. %



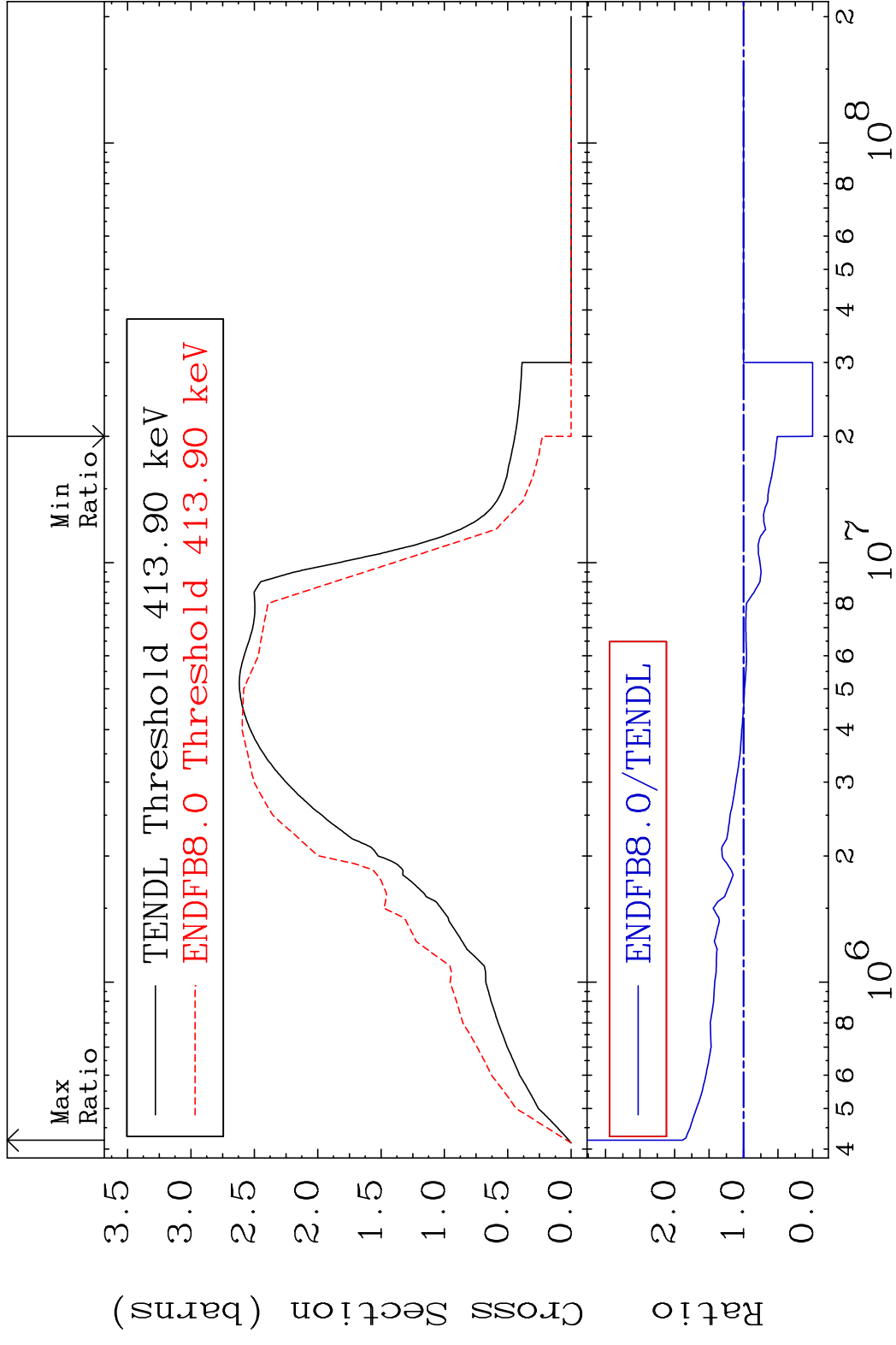
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

80-Hg-198

MAT 8031 Inelastic Cross Section -100.0 To 88.69 % 80-Hg-198



3 Incident Energy (eV) 80-Hg-198

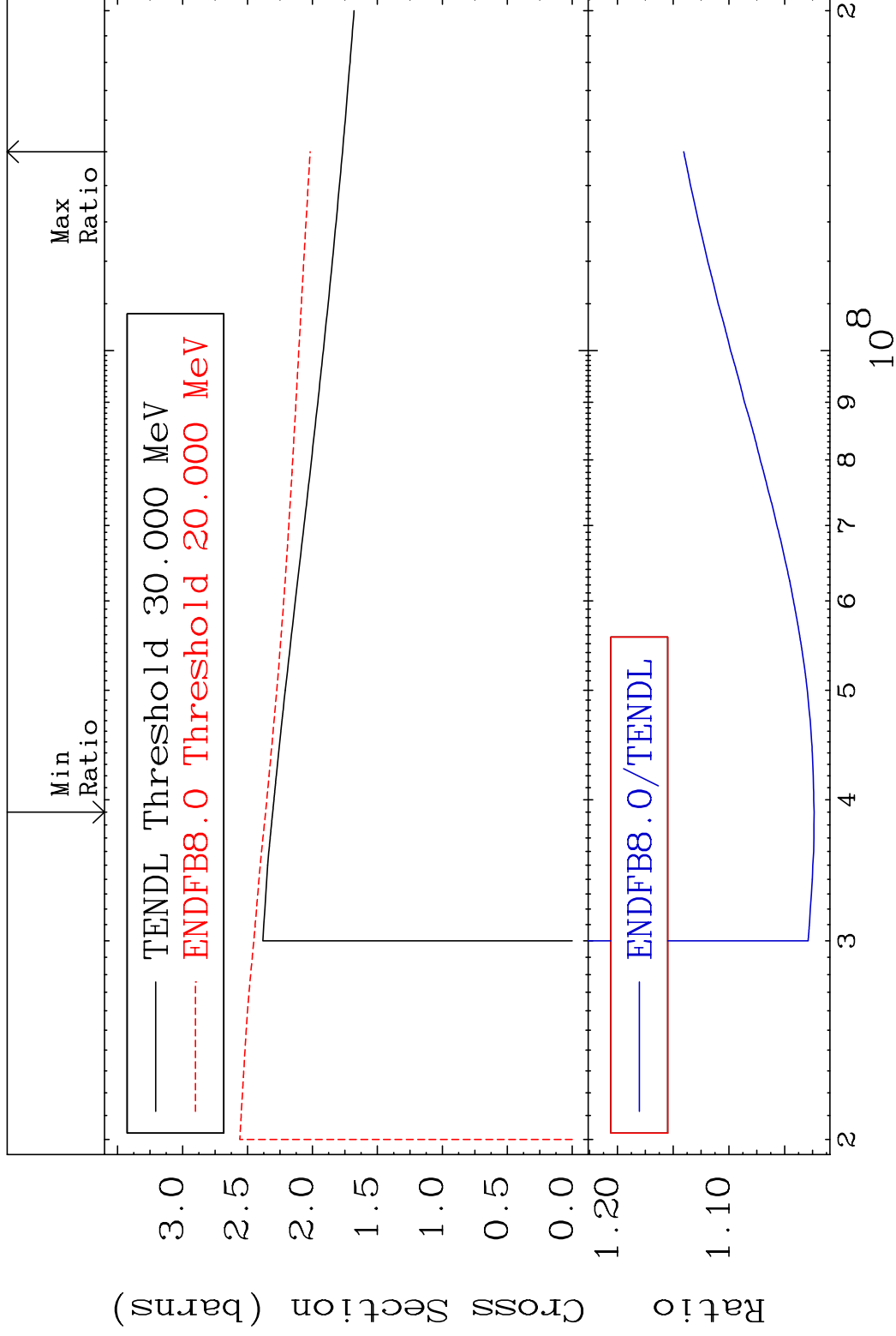
MAT 8031

(n, remainder)

80-Hg-198

Cross Section 2.365

To 14.07 %



4

Incident Energy (eV)

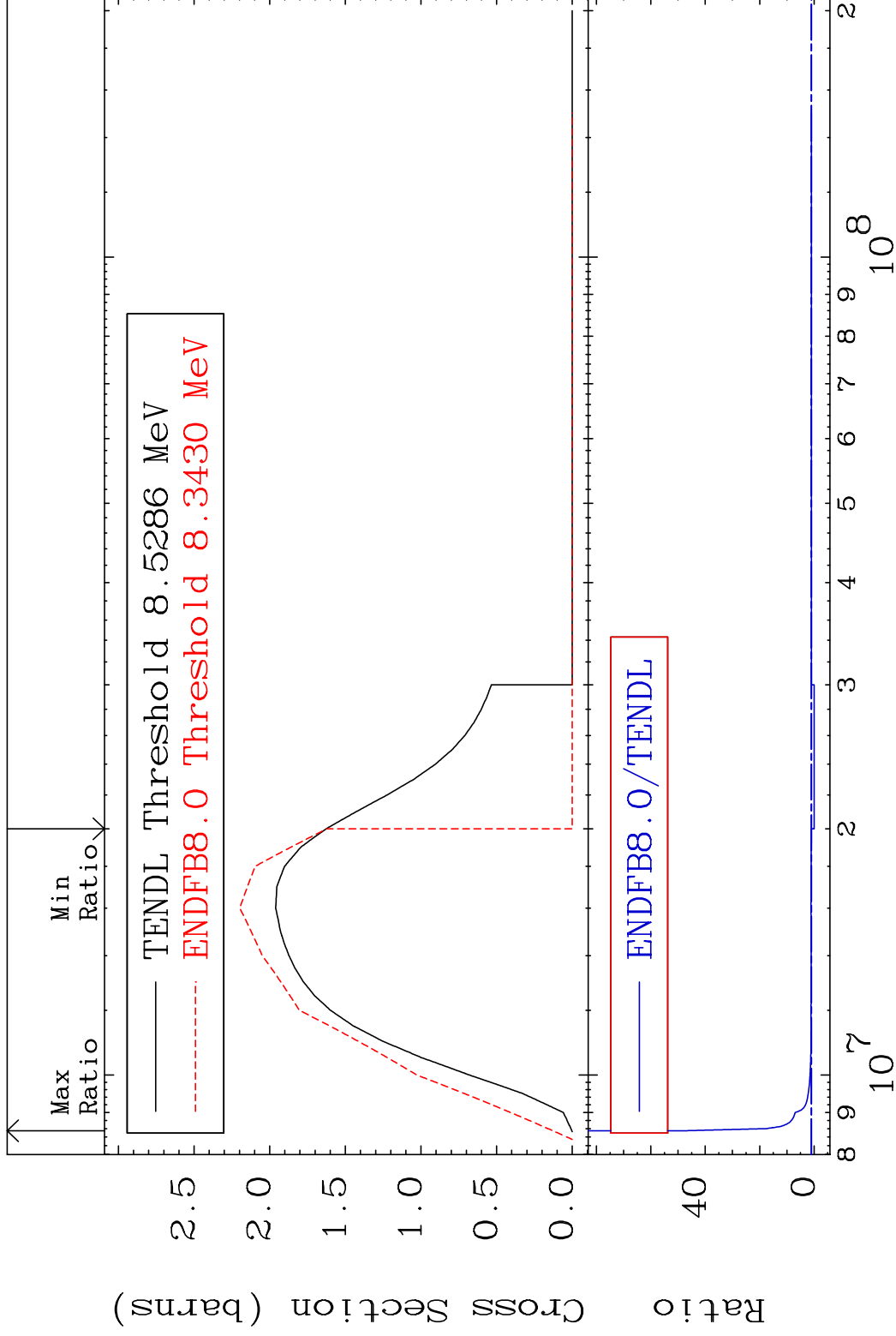
80-Hg-198

MAT 8031

(n,2n)

80-Hg-198

Cross Section -100.0 To 4694. %

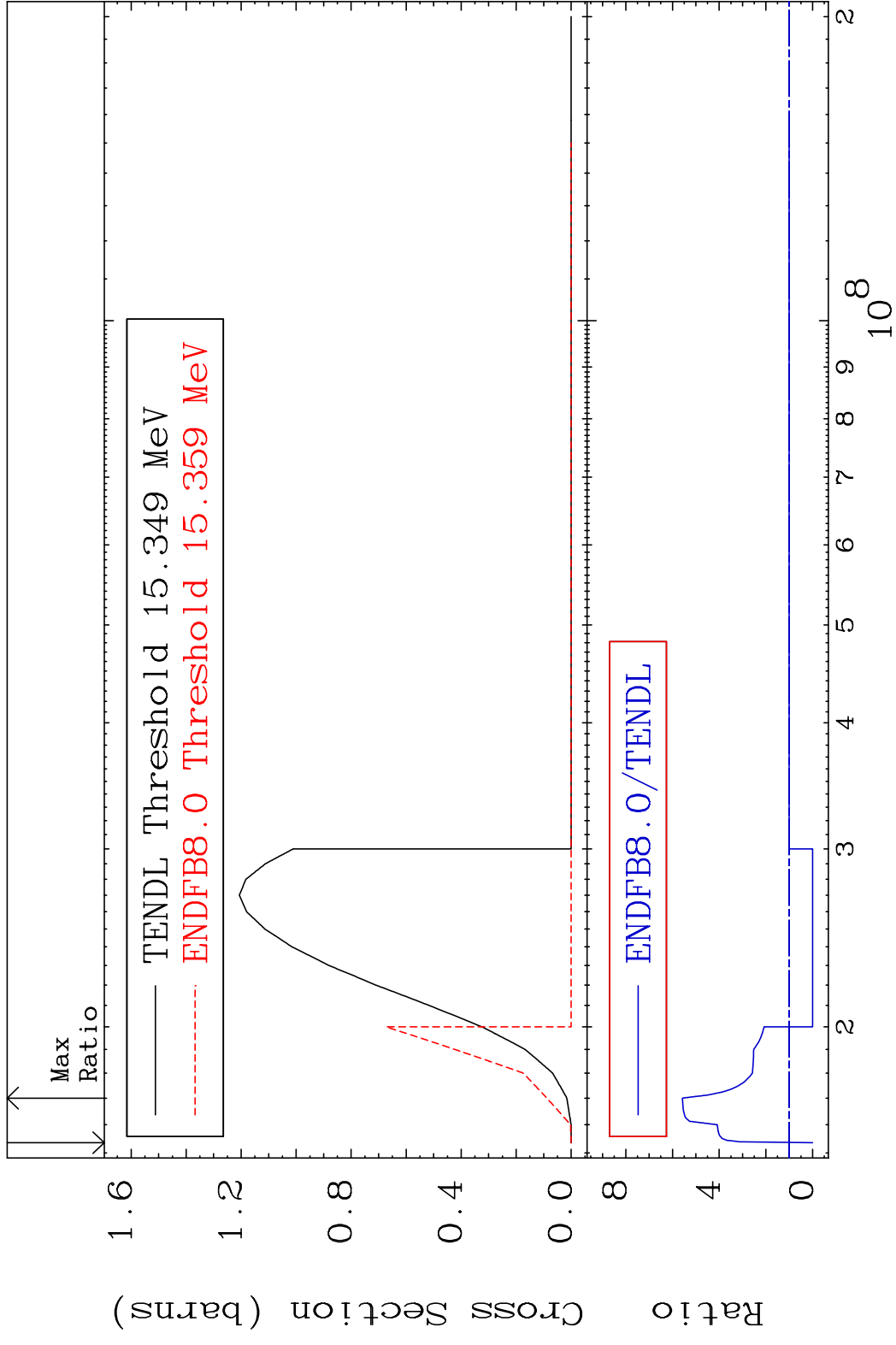


5

Incident Energy (eV)

80-Hg-198

MAT 8031 (n,3n) 80-Hg-198  
 Cross Section -100.0 To 457.7 %

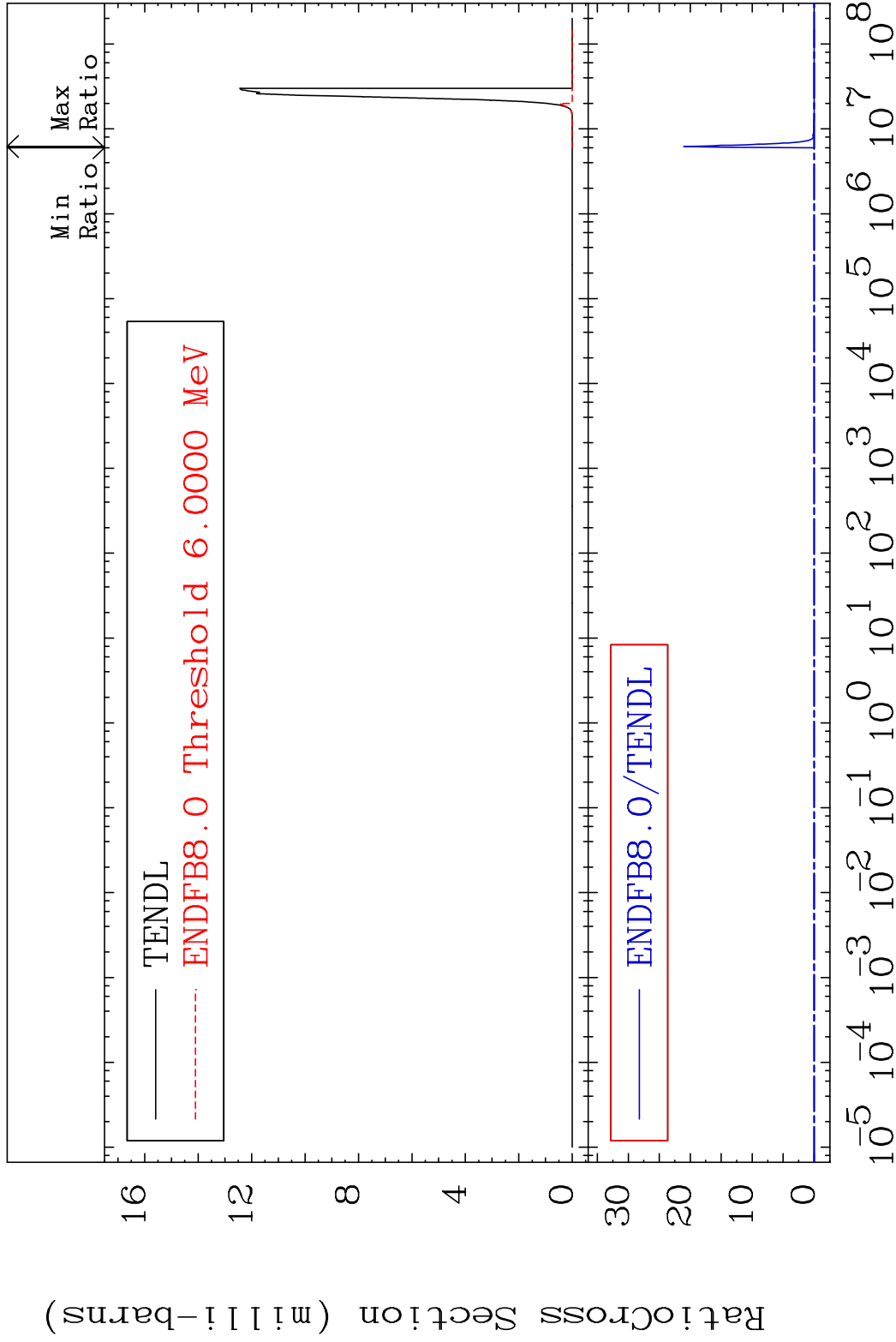


MAT 8031

(n, n')  $\alpha$

80-Hg-198

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

80-Hg-198

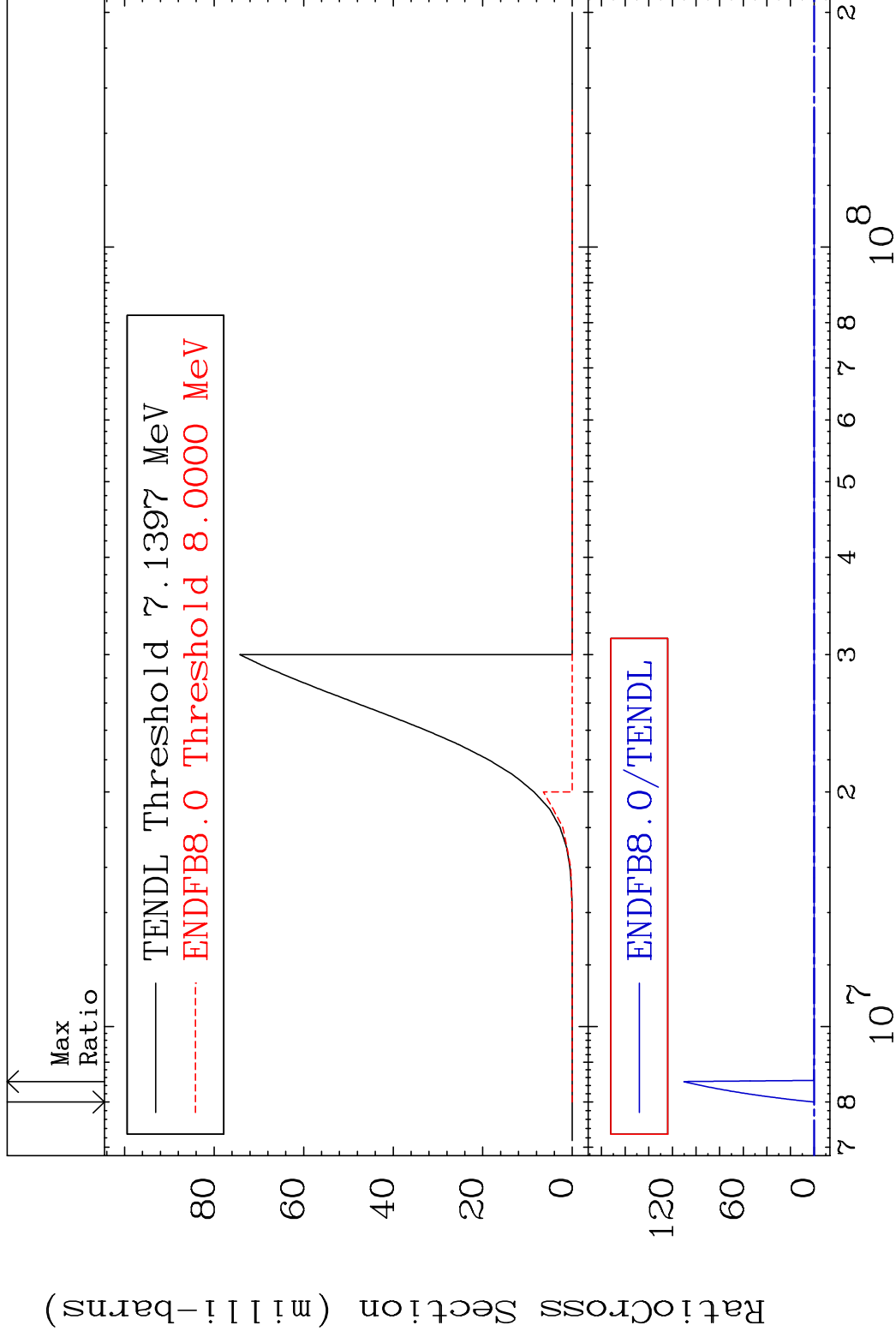


MAT 8031

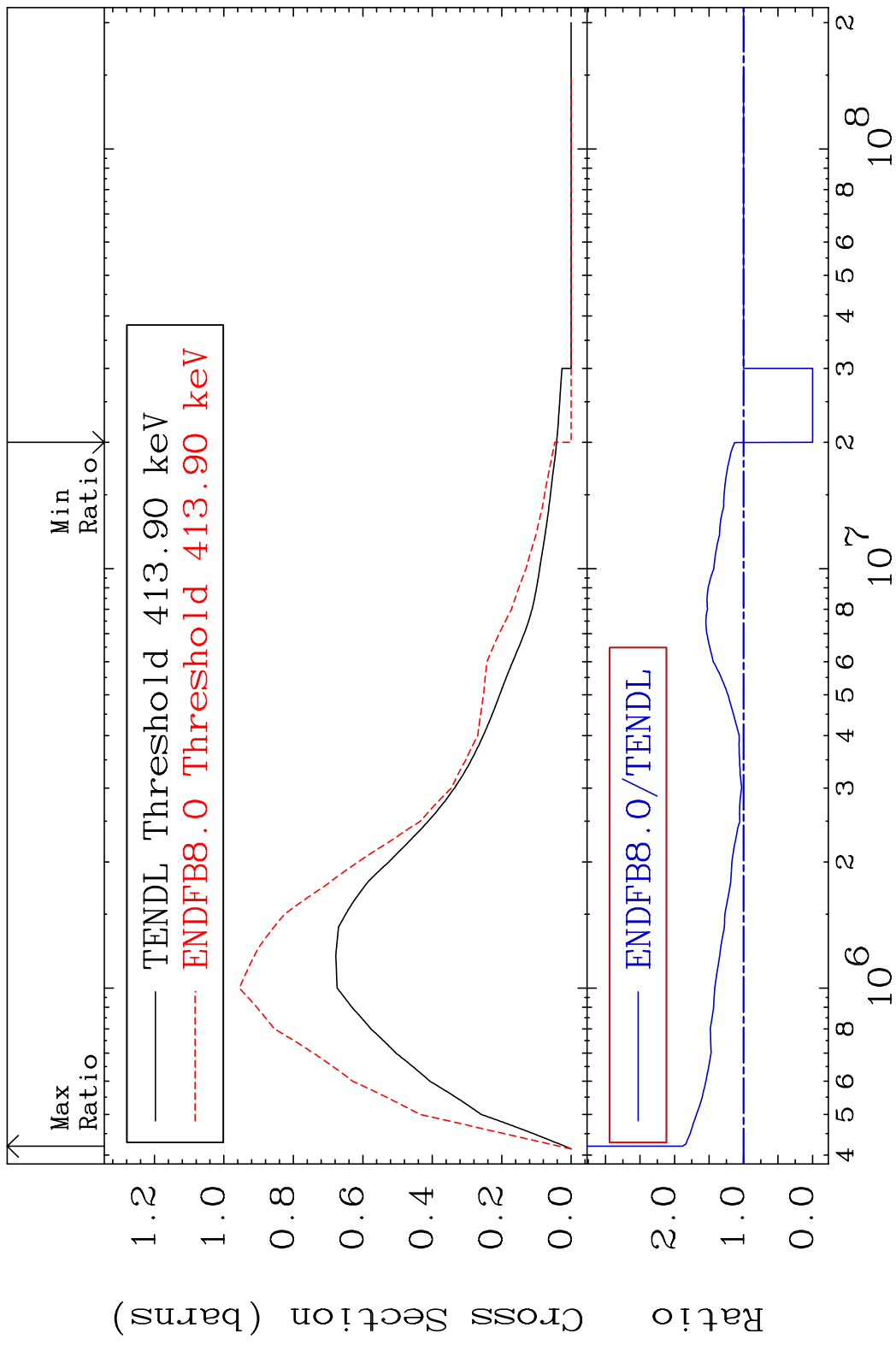
(n, n') p

80-Hg-198

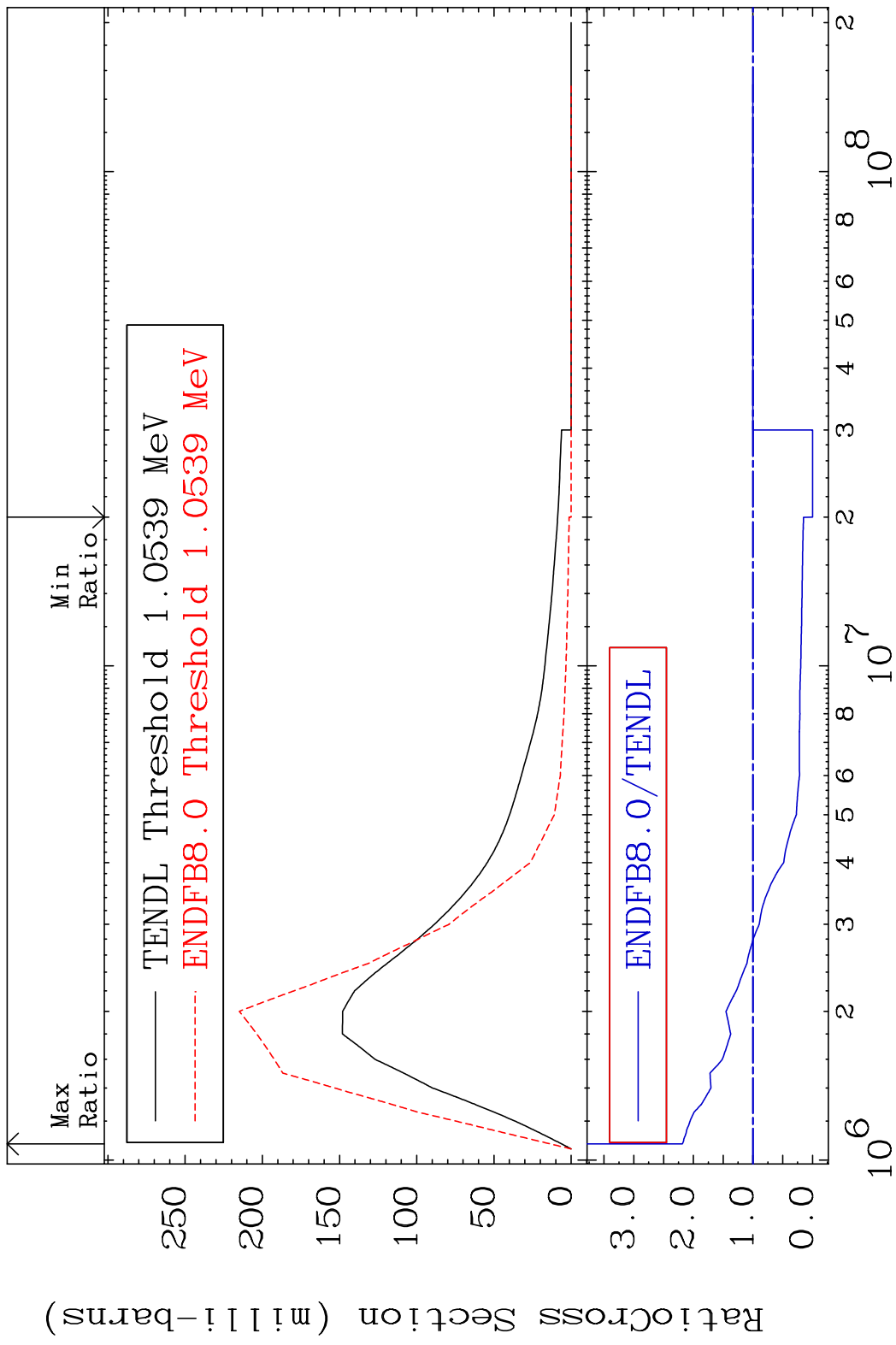
Cross Section -100.0 To 9999. %



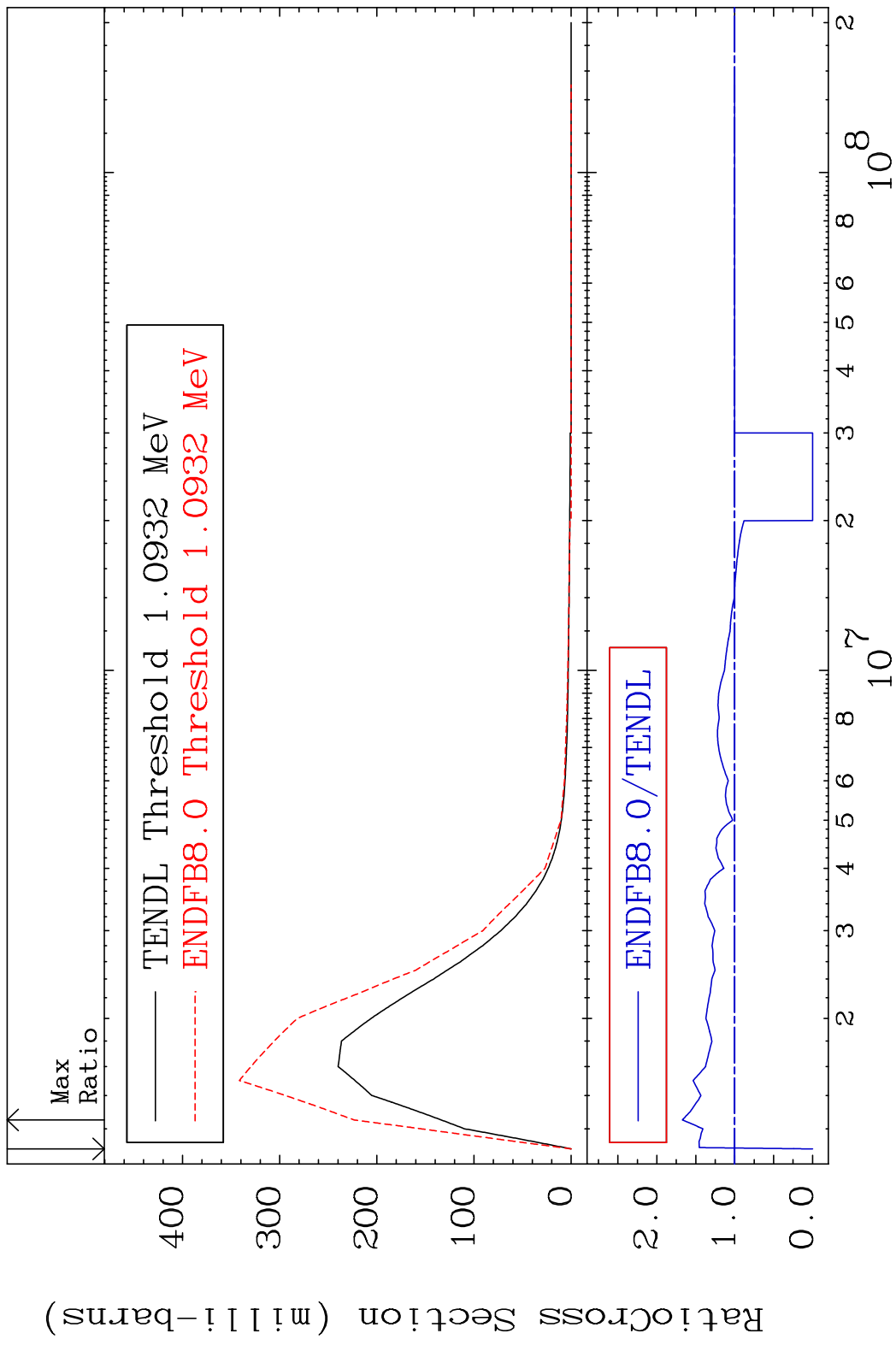
MAT 8031 MT= 51 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 88.69 %



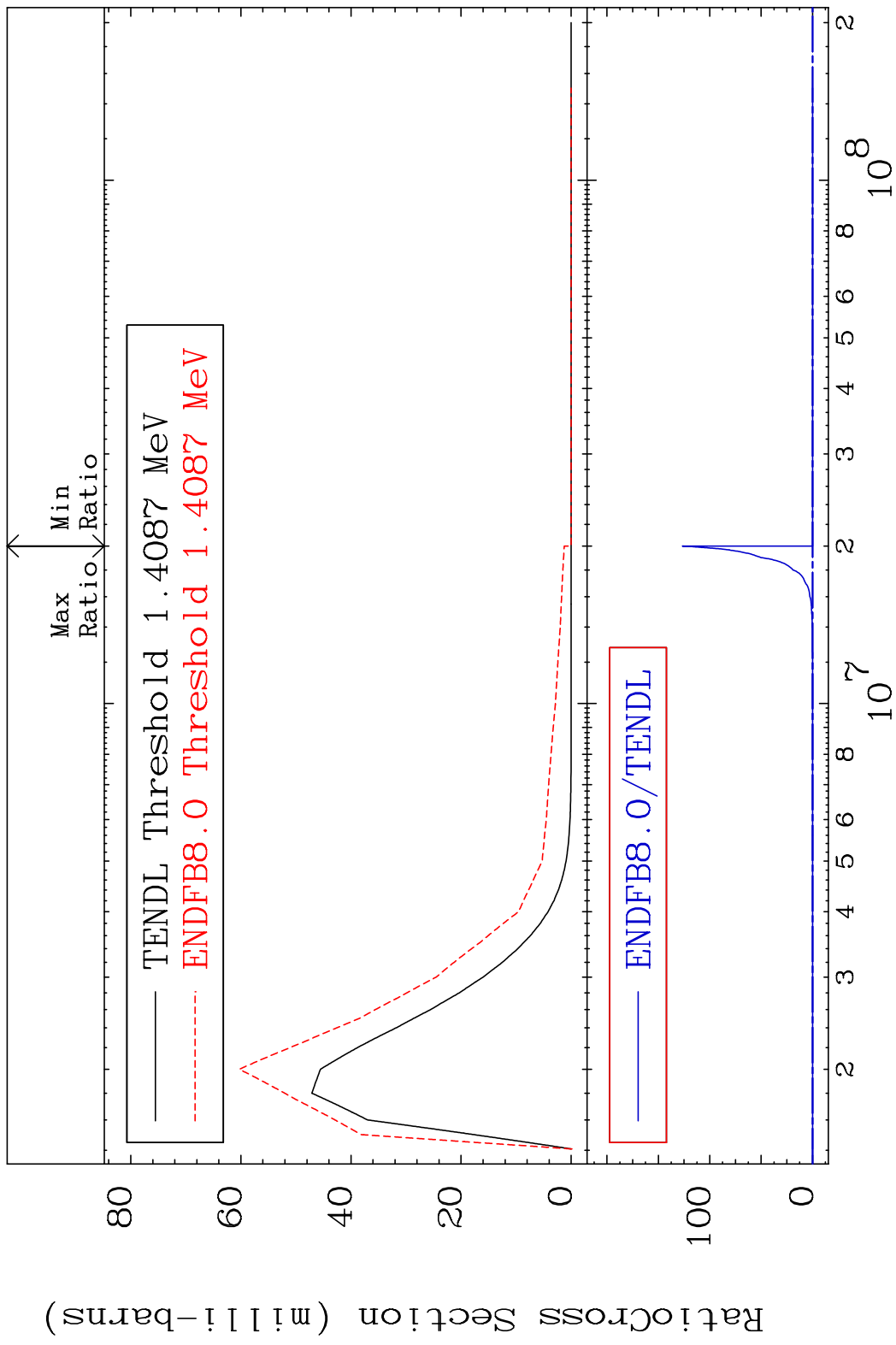
MAT 8031 MT= 52 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 118.5 %



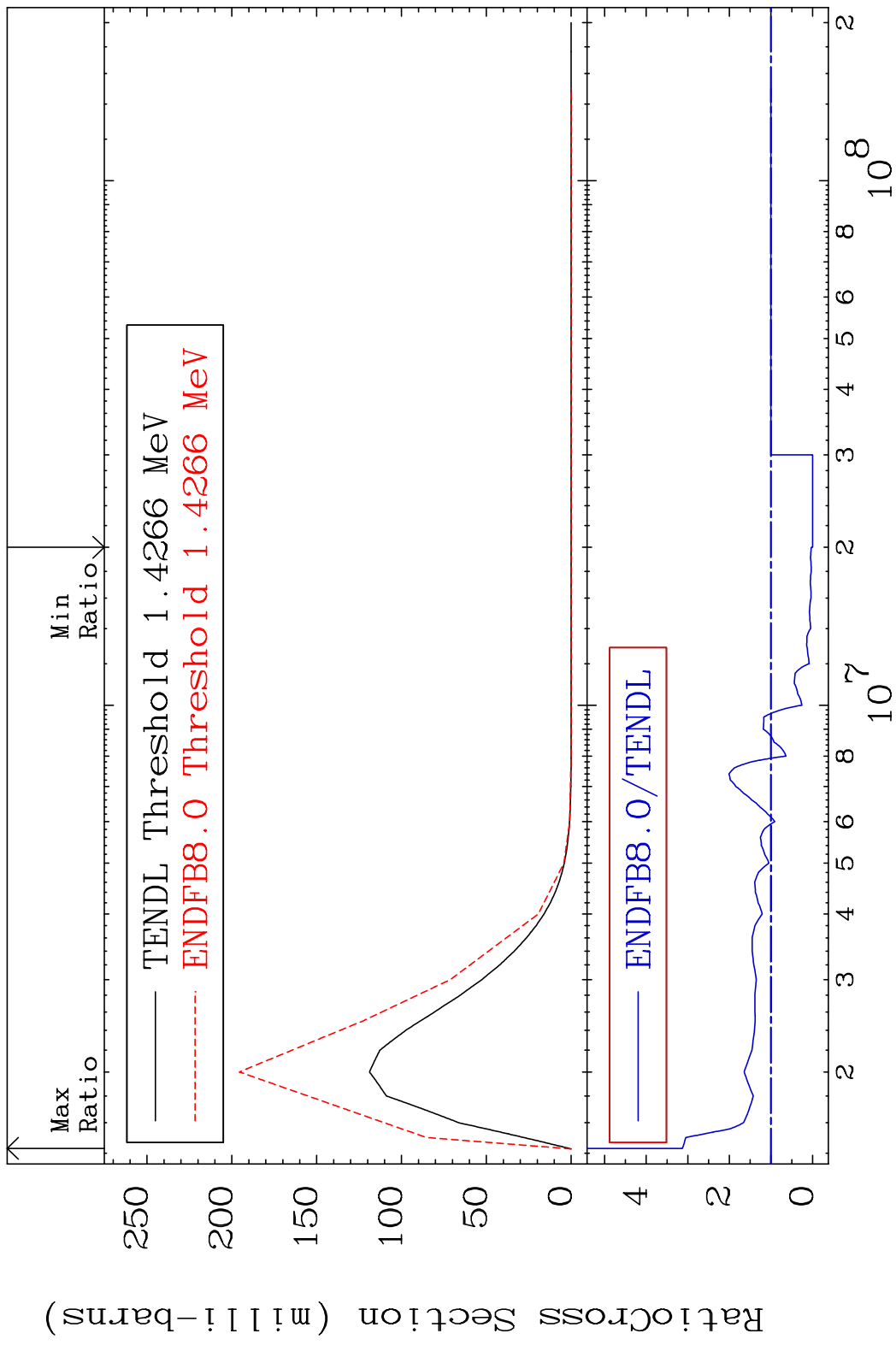
MAT 8031 MT= 53 (n,n') Level 80-Hg-198  
 Cross Section -100.0 To 67.22 %



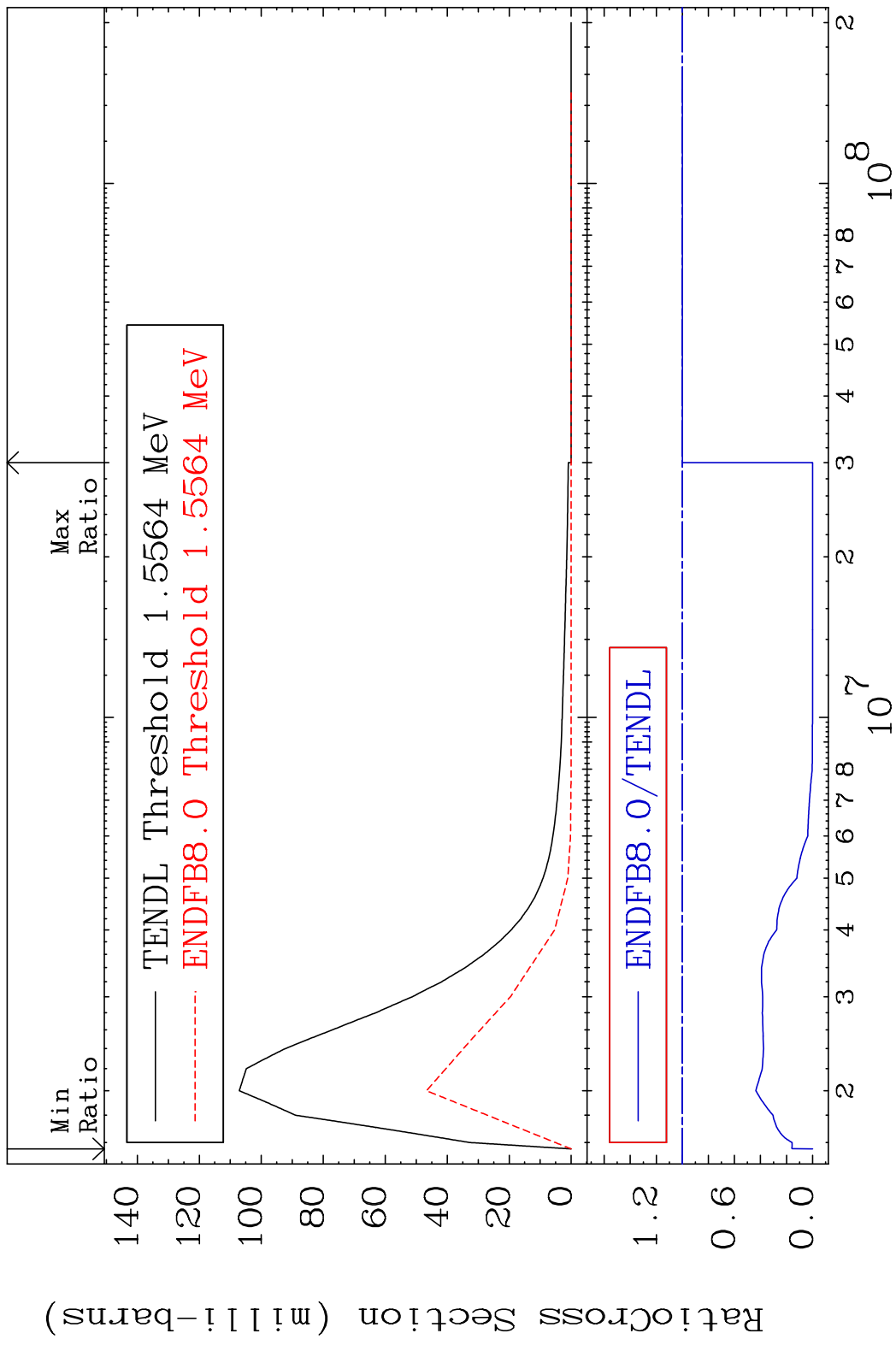
MAT 8031 MT= 54 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 9999. %



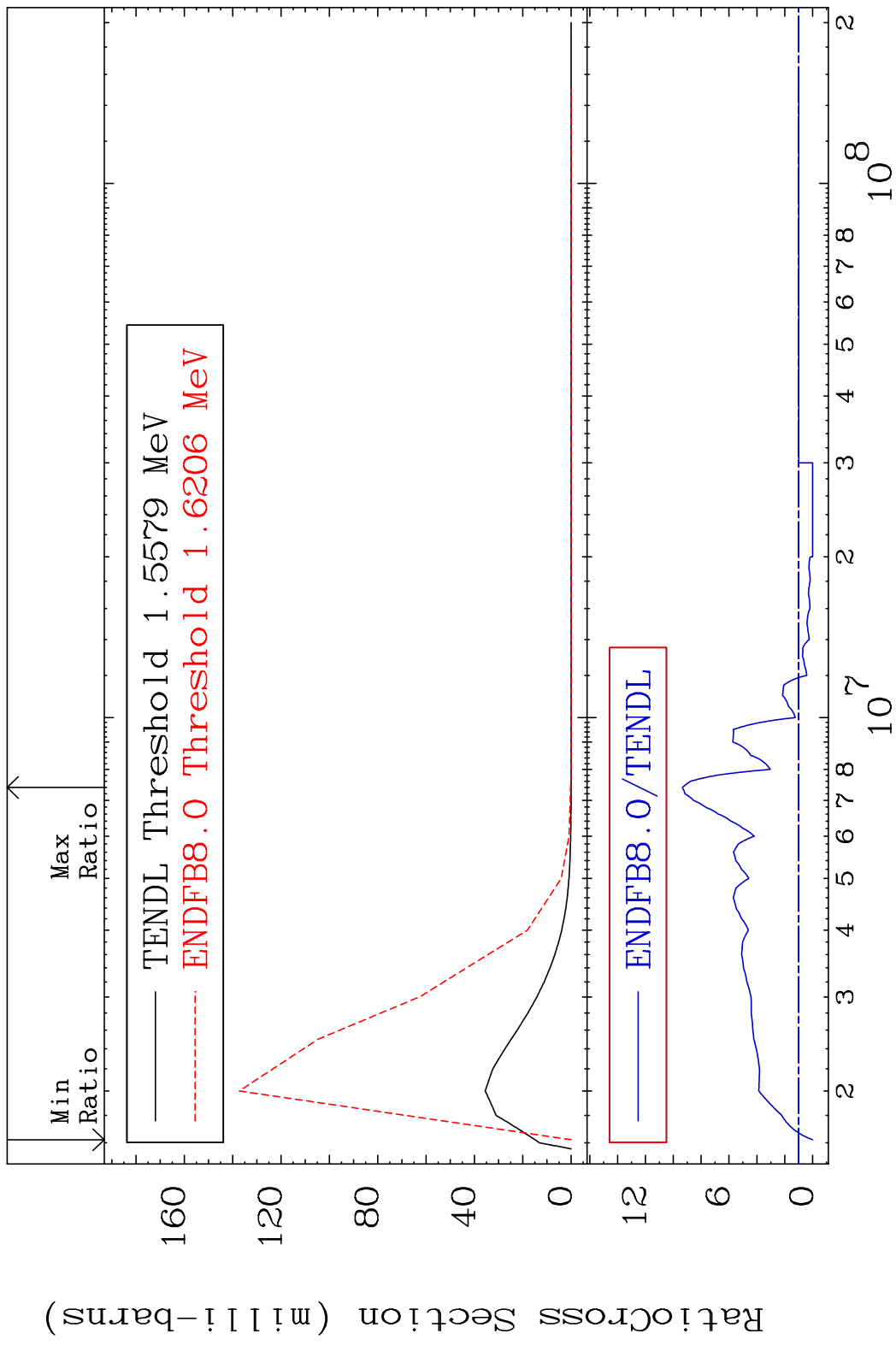
MAT 8031 MT= 55 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 213.1 %



MAT 8031 MT= 56 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 0.000 %



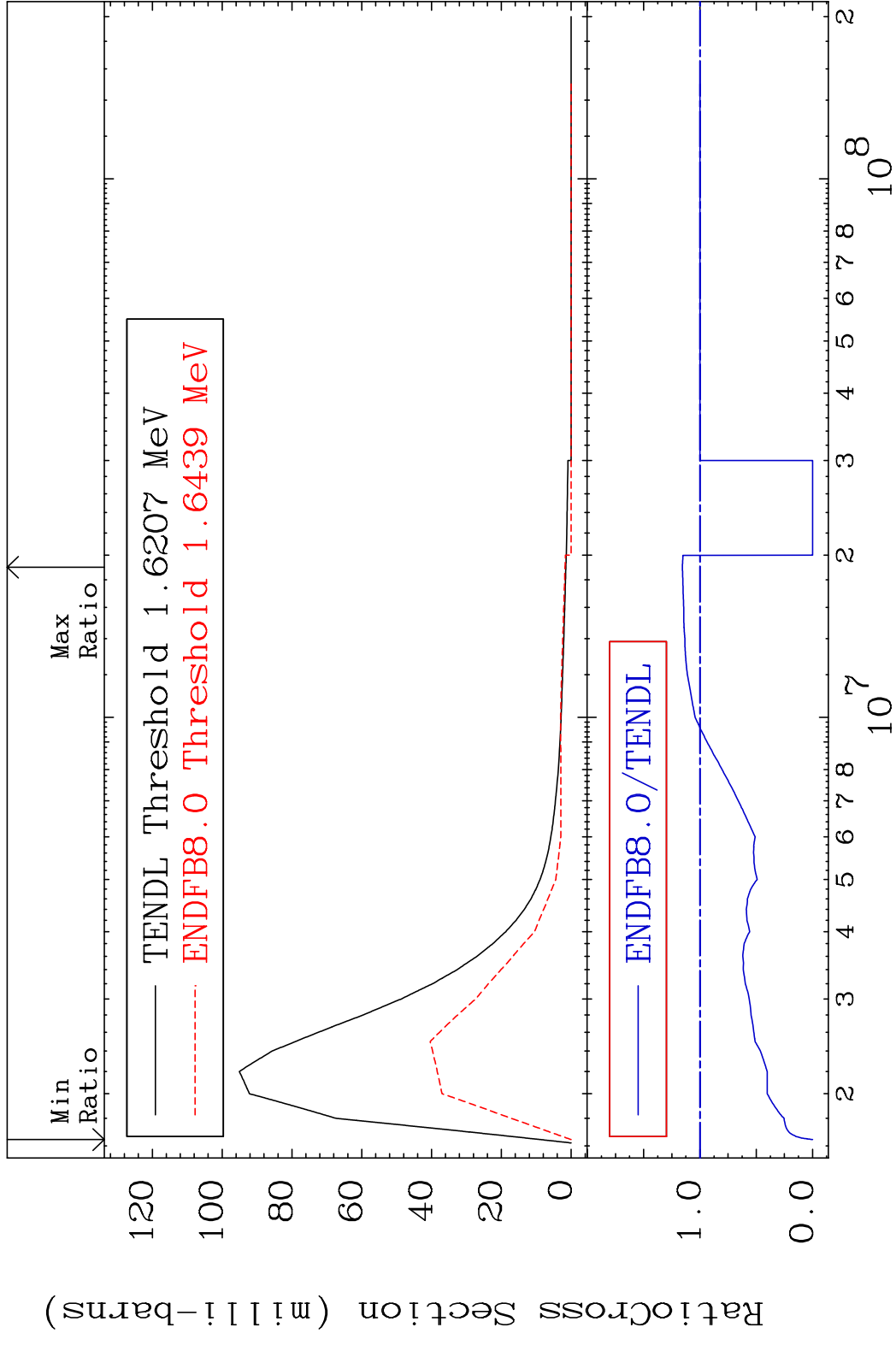
MAT 8031 MT= 57 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 834.9 %



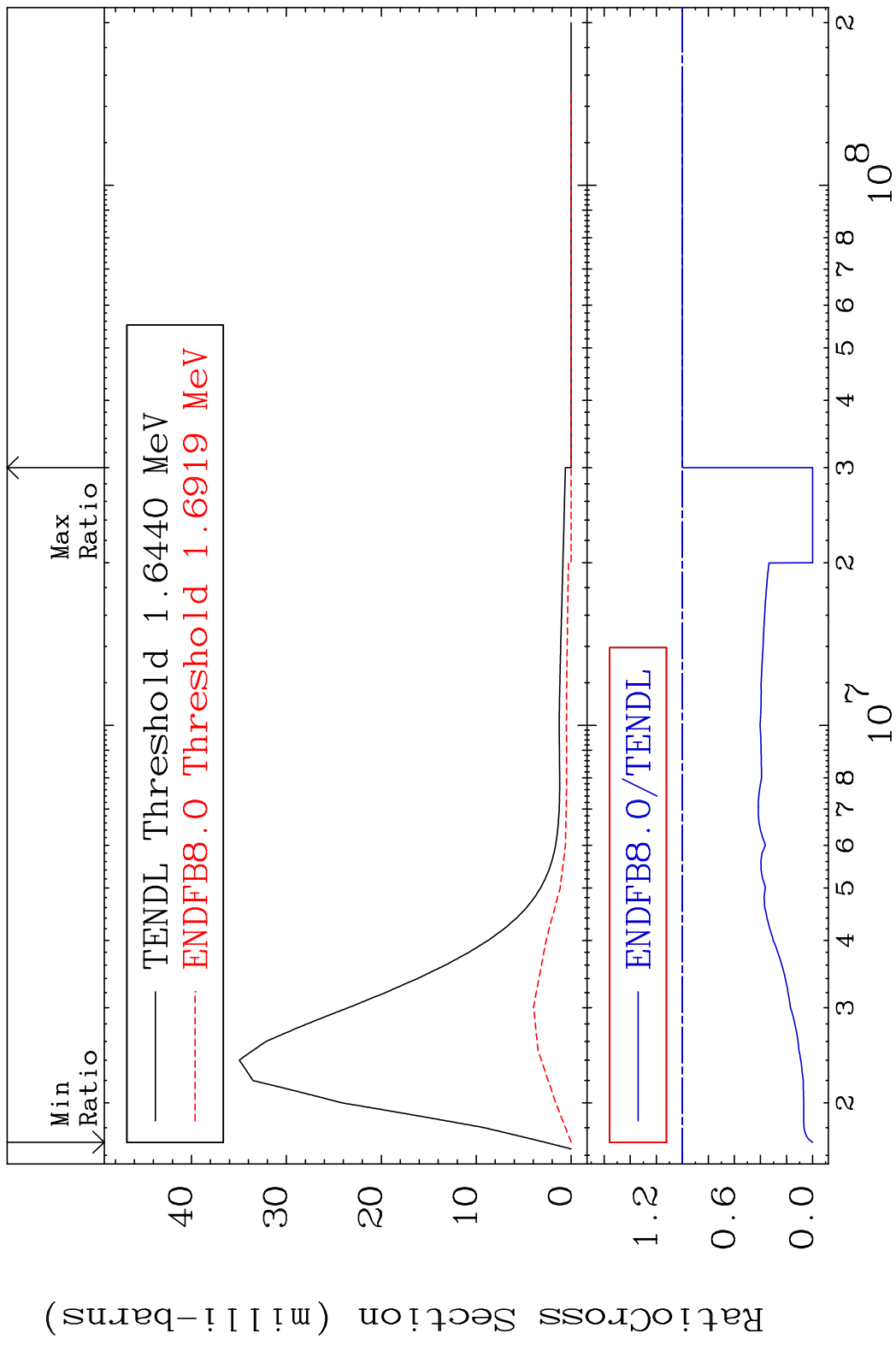
15 80-Hg-198



MAT 8031 MT= 58 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 15.64 %

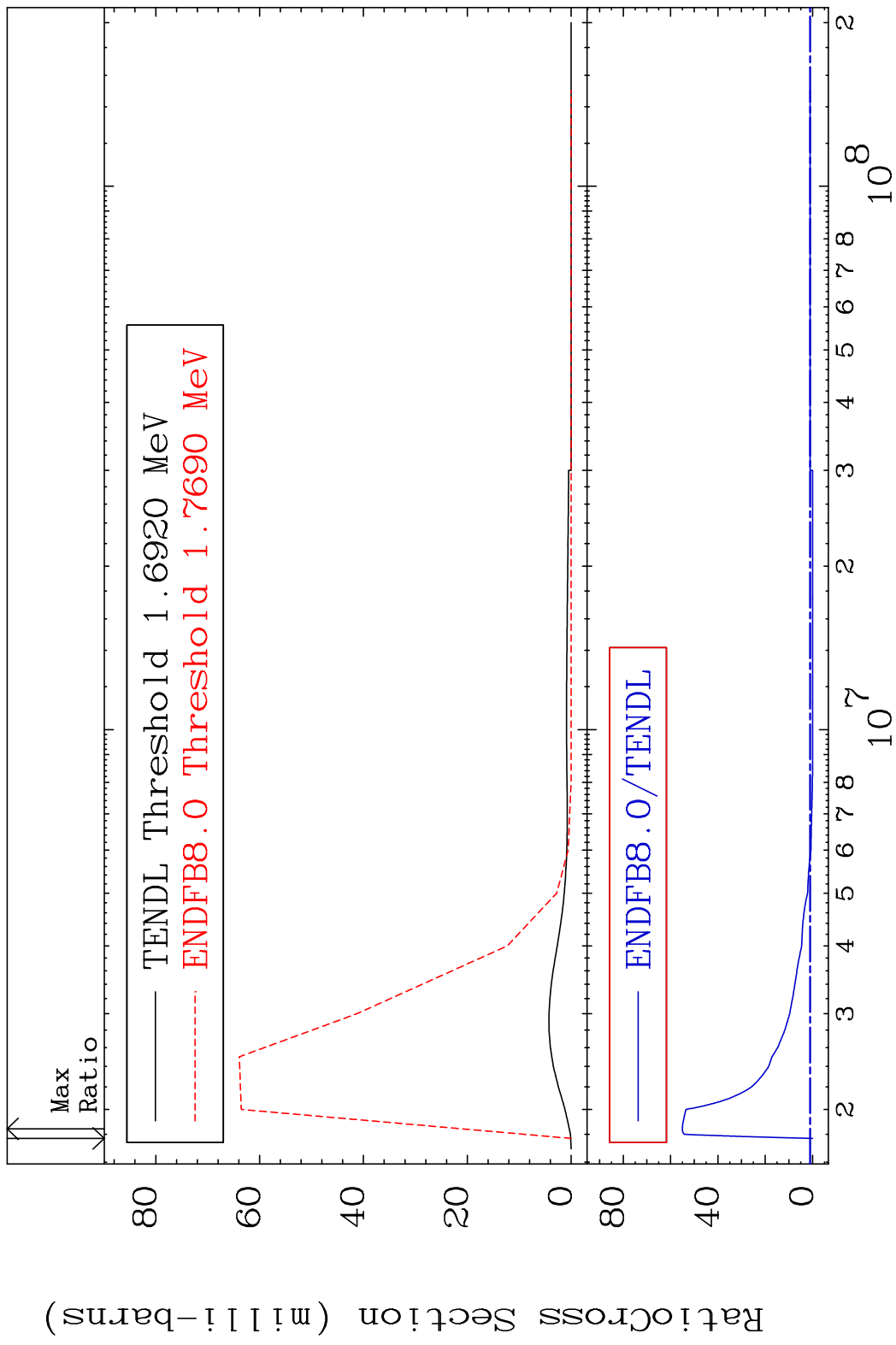


MAT 8031 MT= 59 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 0.000 %



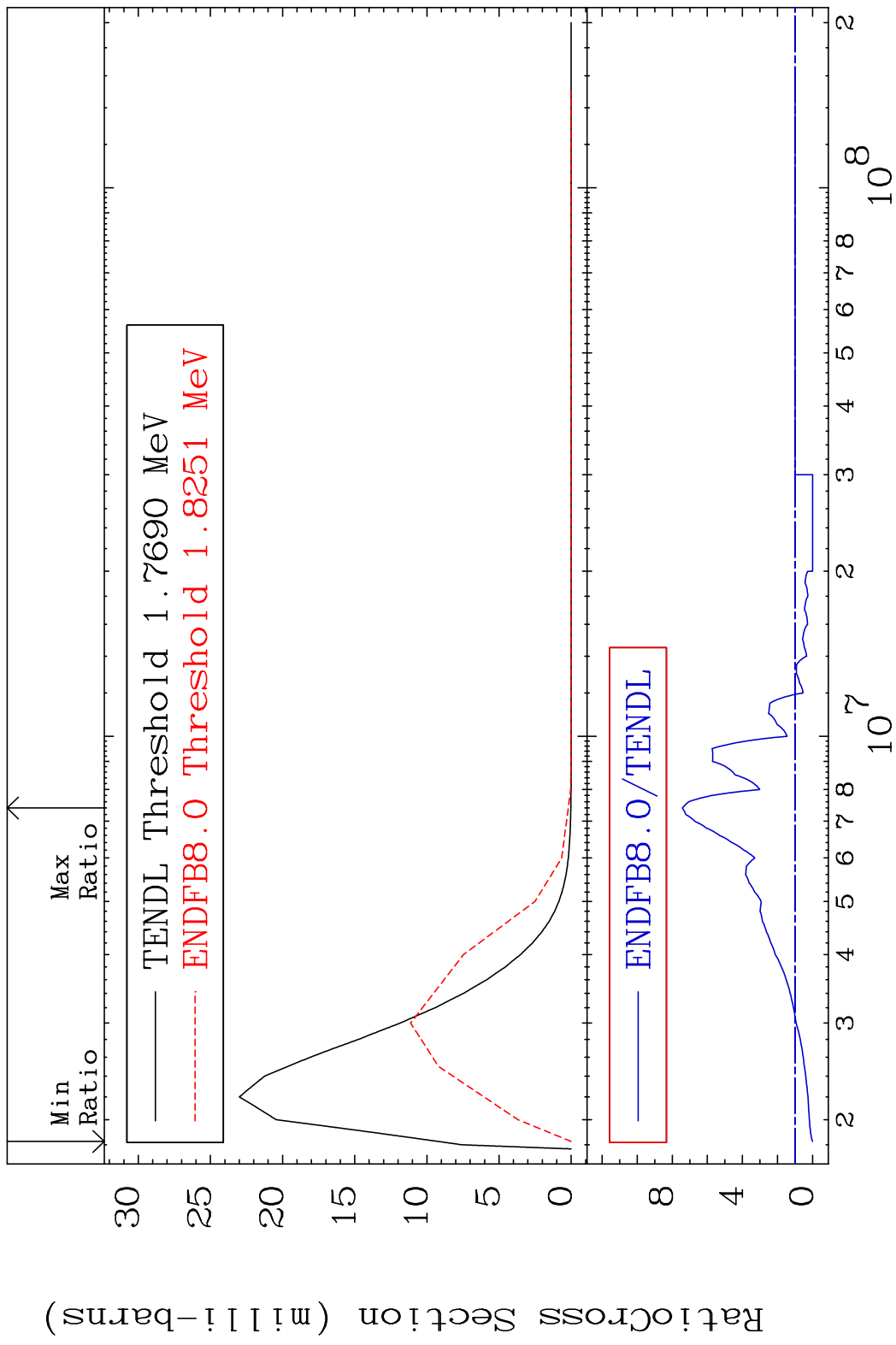
17 17 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 60 (n,n') Level 80-Hg-198  
 Cross Section -100.0 To 5402. %

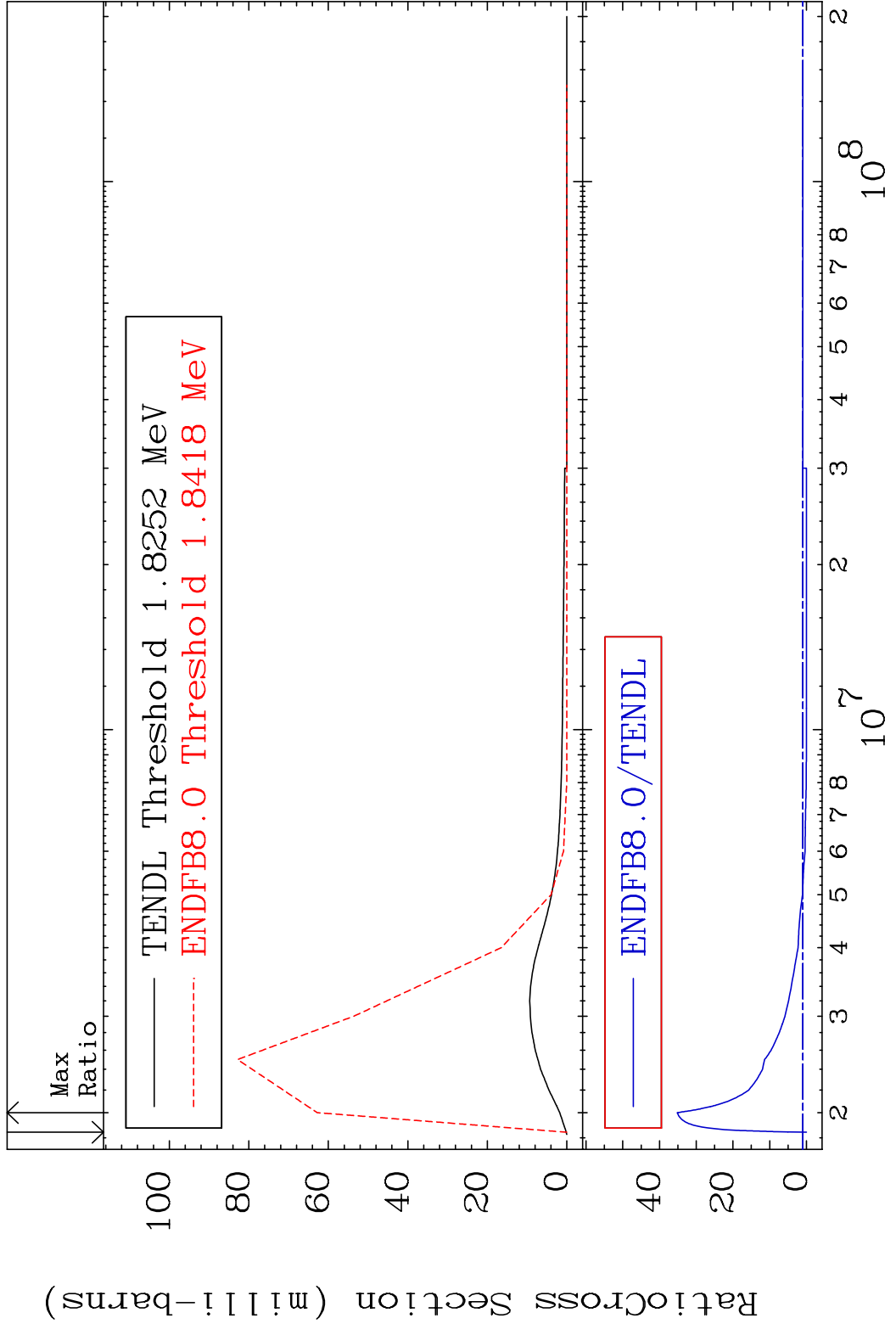


18 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 61 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 642.6 %

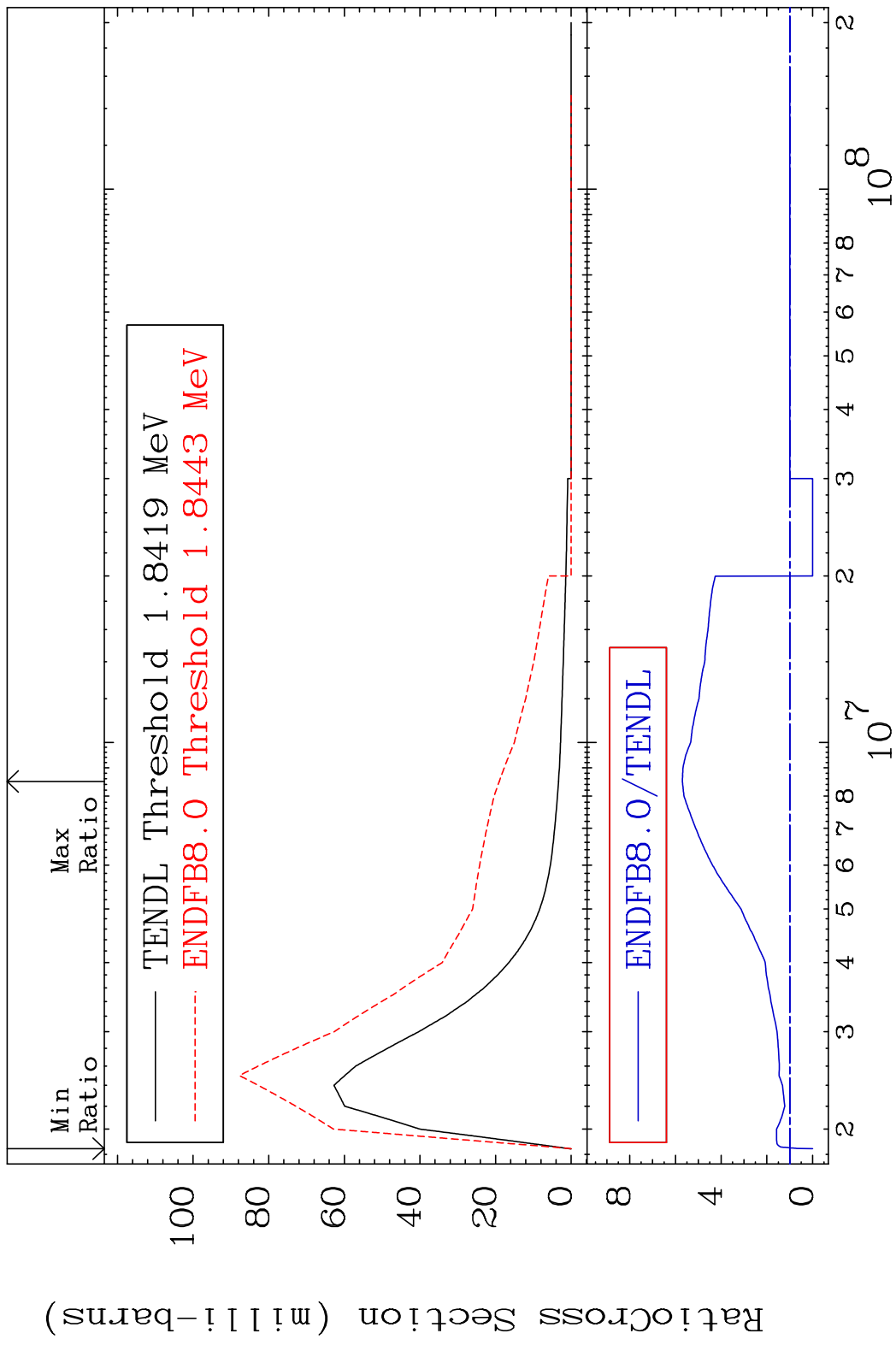


MAT 8031 MT= 62 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 3418. %

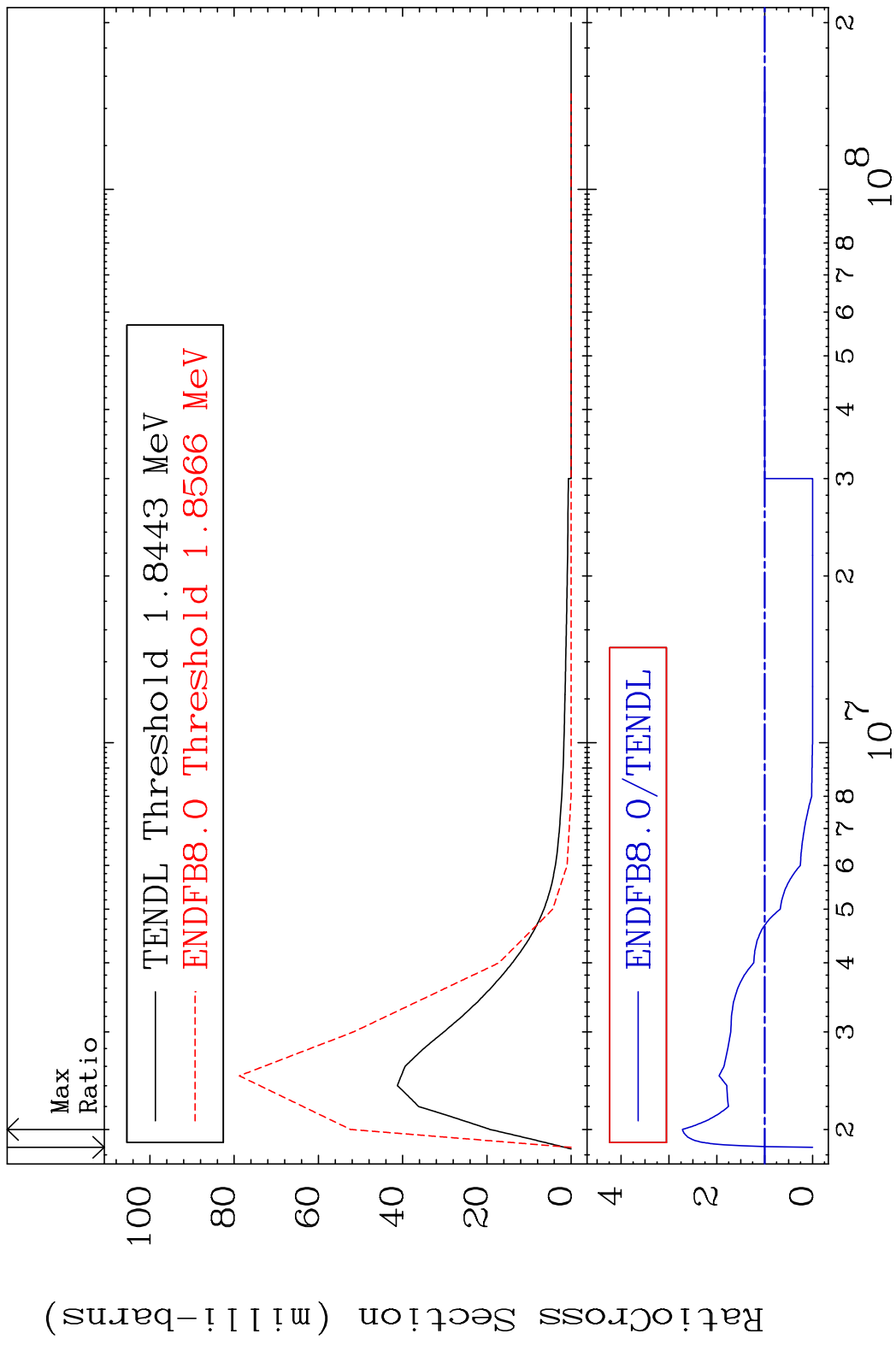


20 Incident Energy (eV) 80-Hg-198

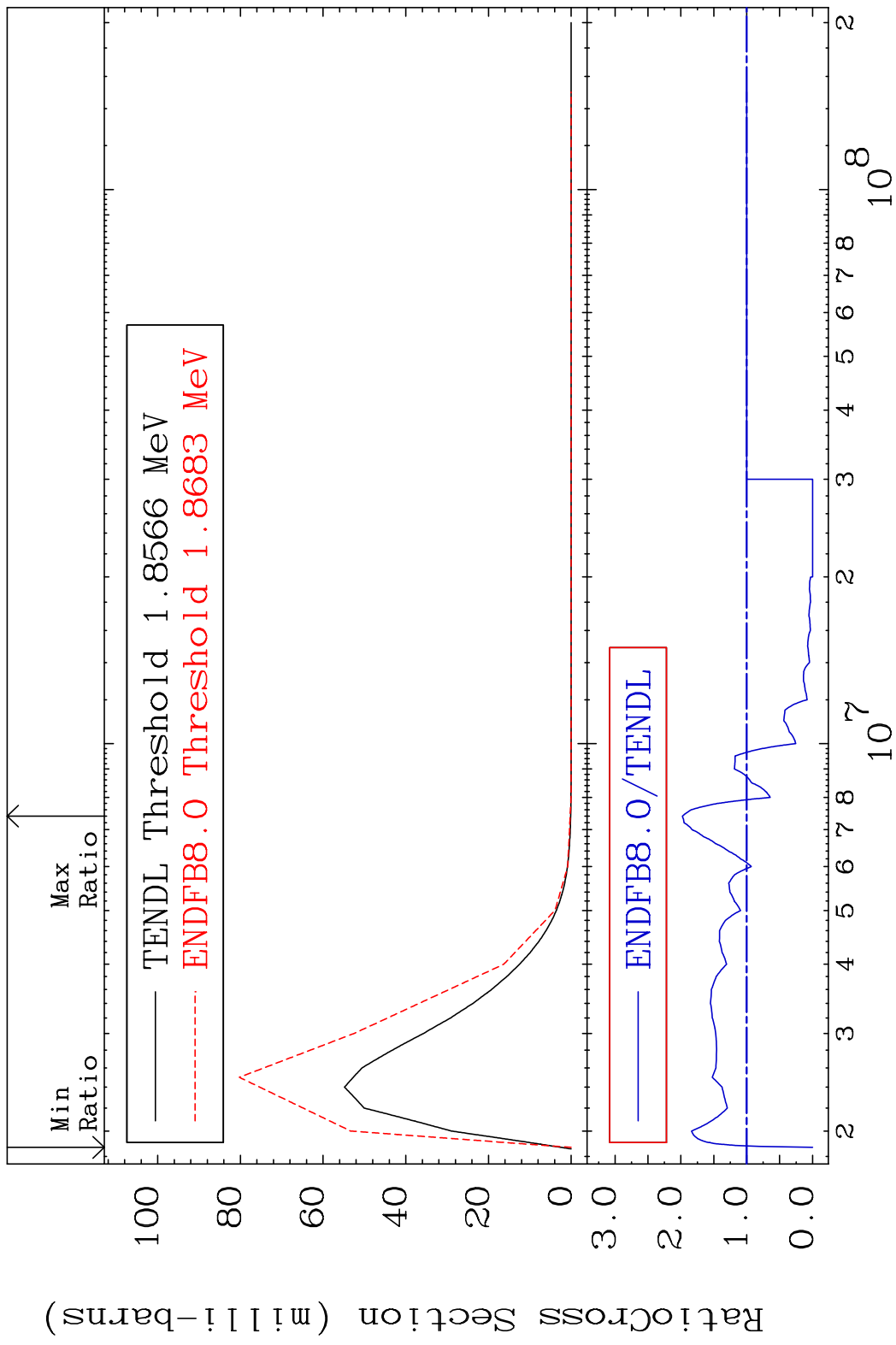
MAT 8031 MT= 63 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 469.9 %



MAT 8031      MT= 64 (n,n') Level      80-Hg-198  
 Cross Section    -100.0 To 172.0 %

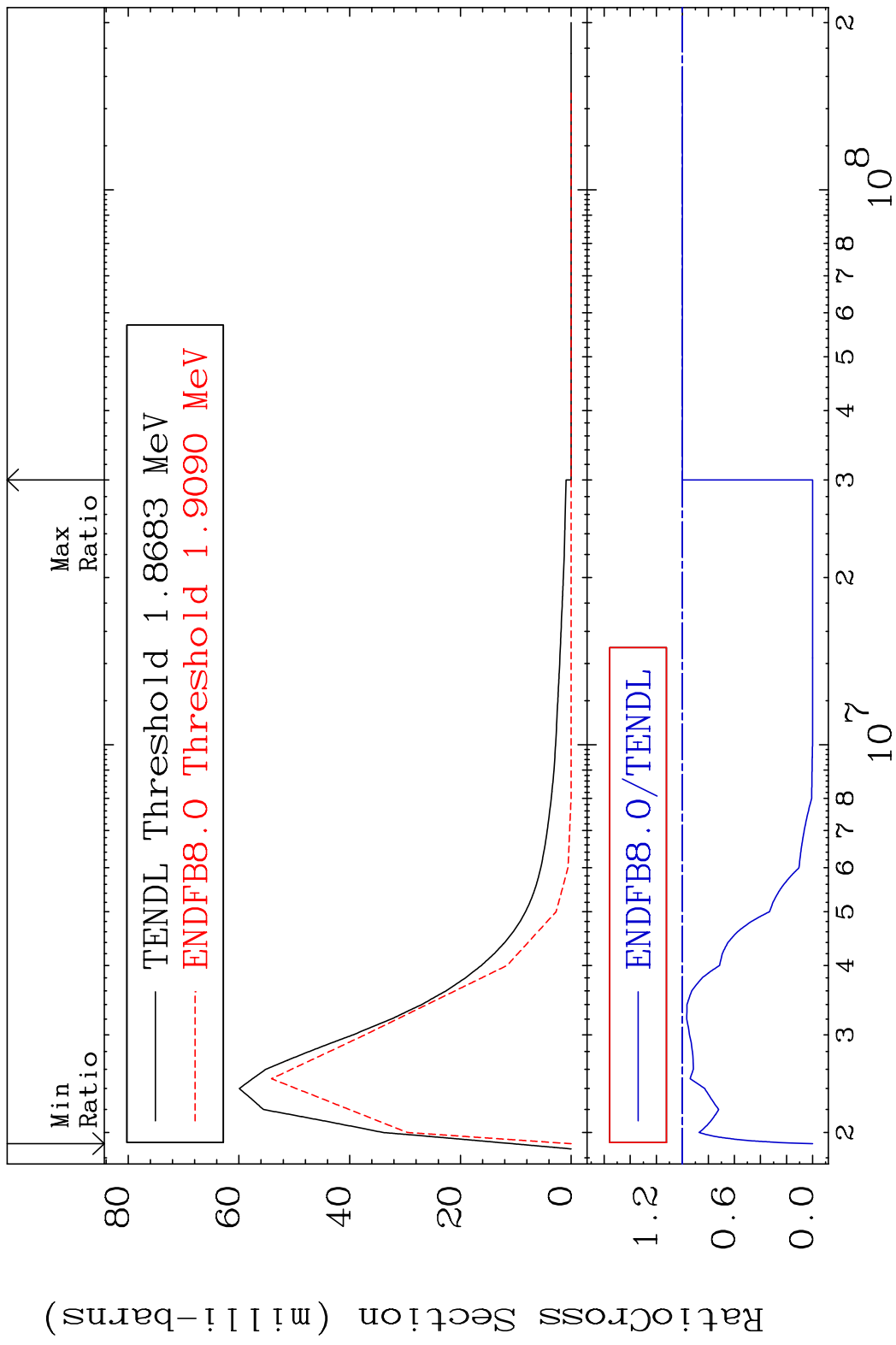


MAT 8031 MT= 65 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 97.77 %



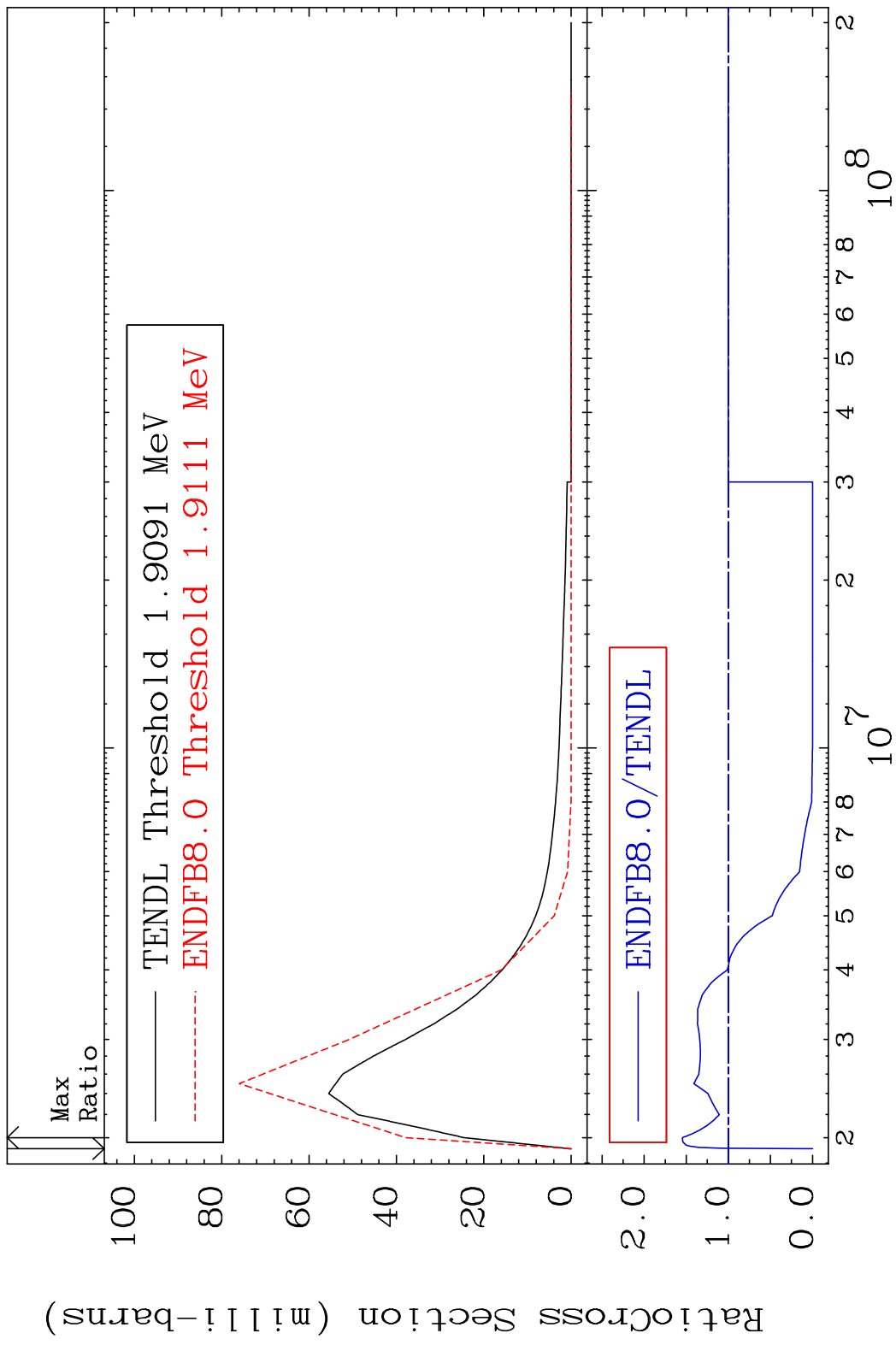


MAT 8031 MT= 66 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 0.000 %

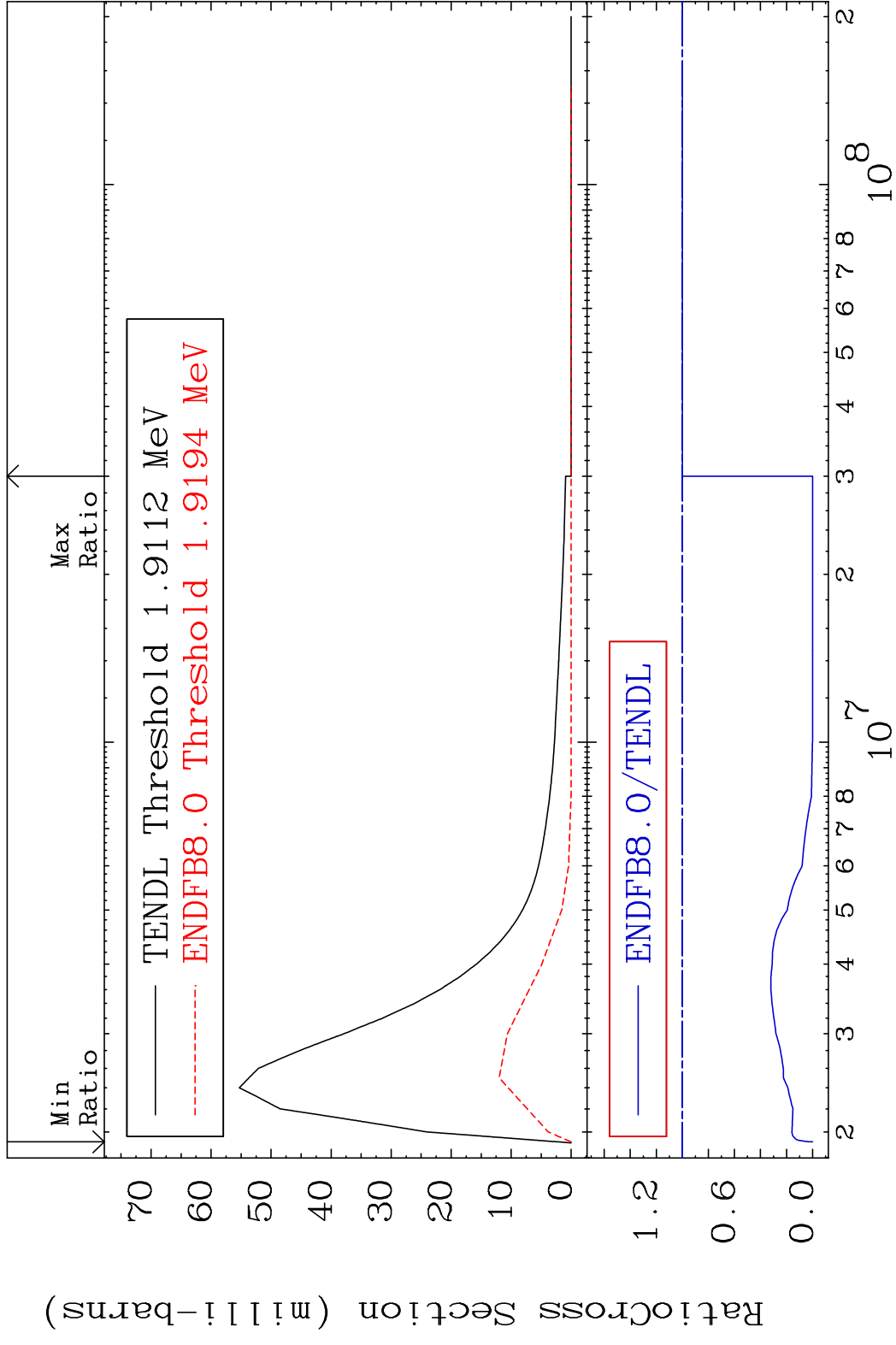


24 80-Hg-198

MAT 8031 MT= 67 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 54.60 %

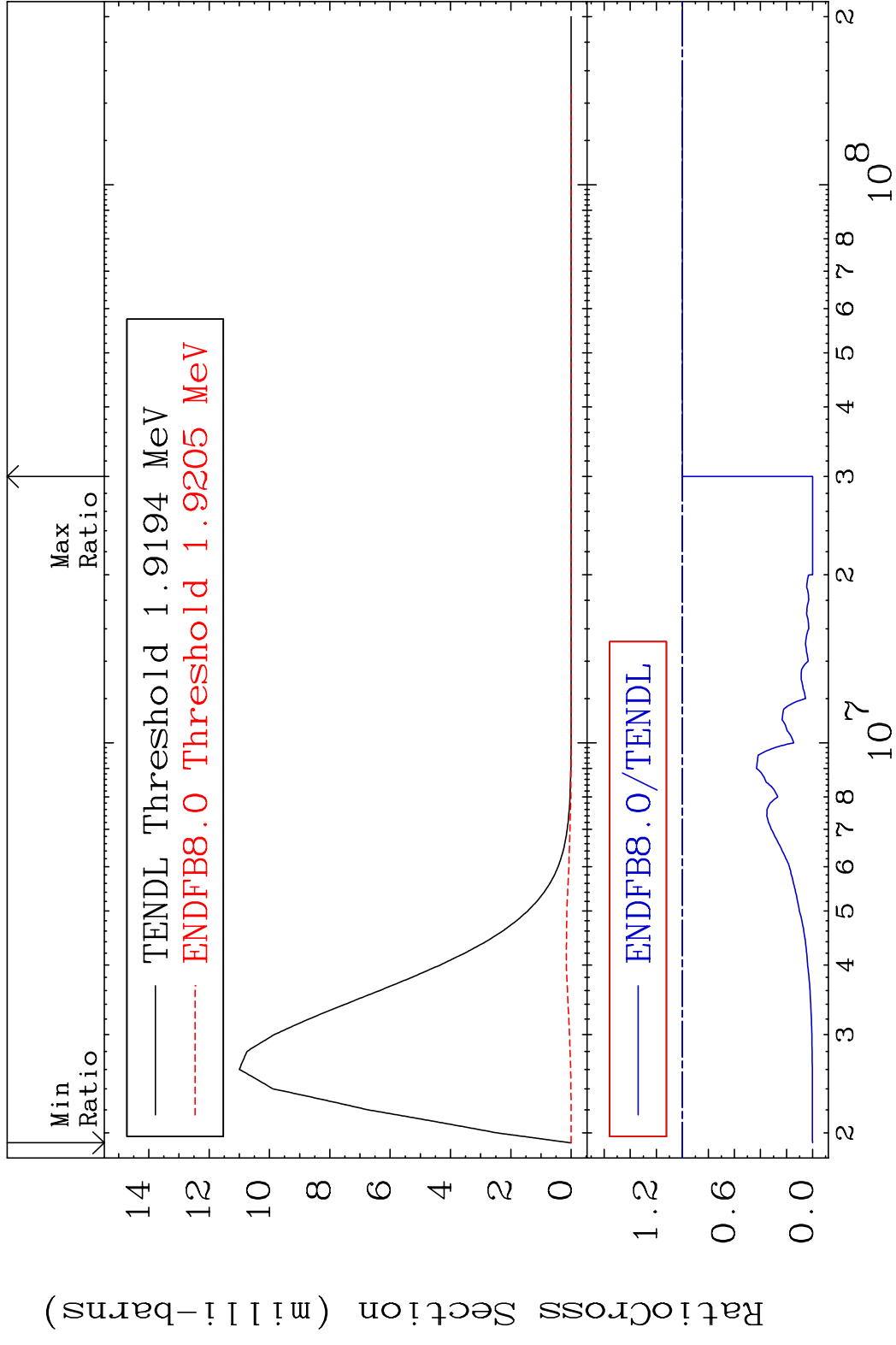


MAT 8031 MT= 68 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 0.000 %

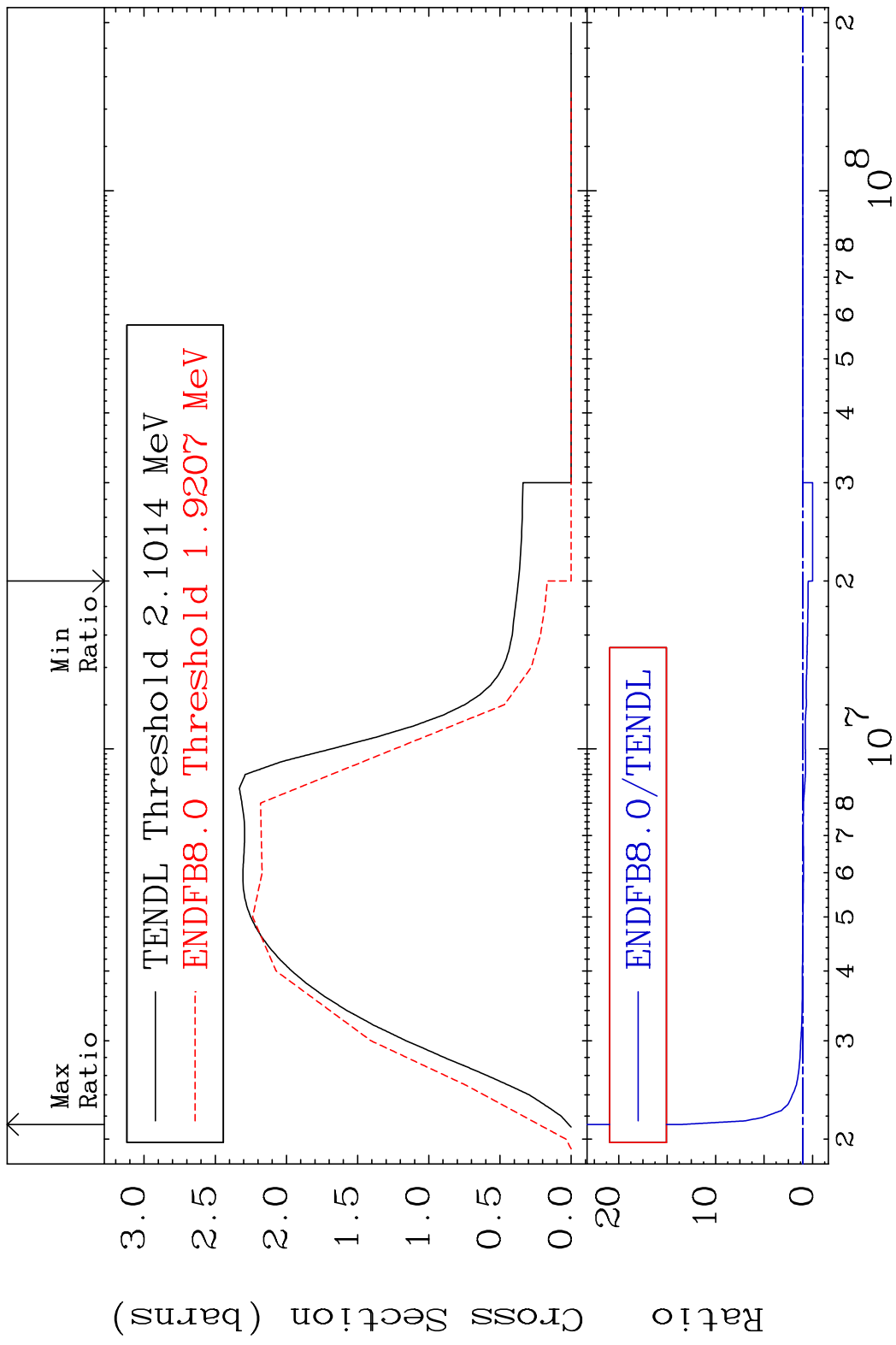


26 Incident Energy (eV) 80-Hg-198

MAT 8031      MT= 69 (n, n') Level      80-Hg-198  
 Cross Section      -100.0 To 0.000 %



MAT 8031 (n, n') Continuum 80-Hg-198  
 Cross Section -100.0 To 1243. %



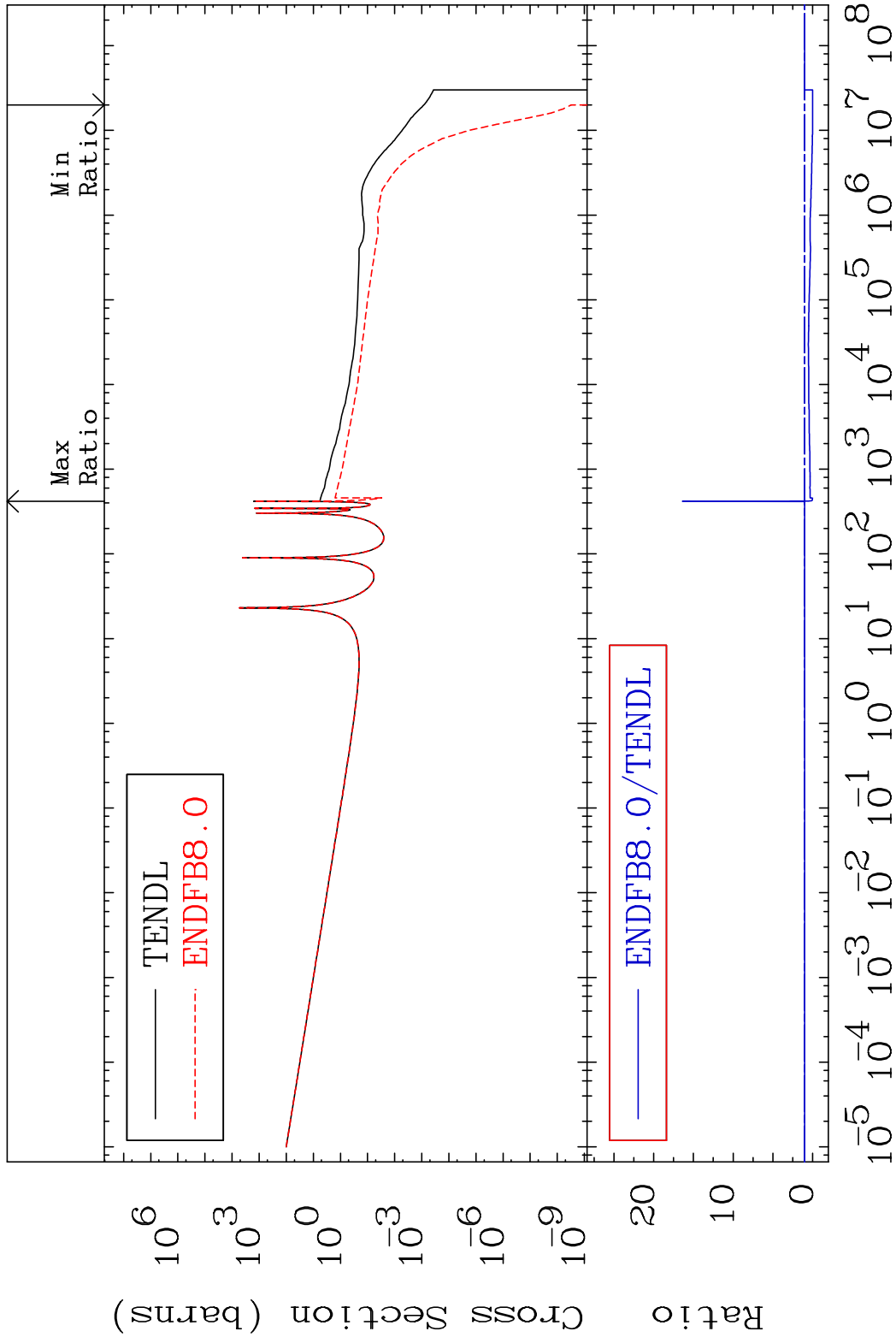
28 Incident Energy (eV) 80-Hg-198

MAT 8031

(n,  $\gamma$ )

80-Hg-198

Cross Section -100.0 To 1539. %



29

Incident Energy (eV)

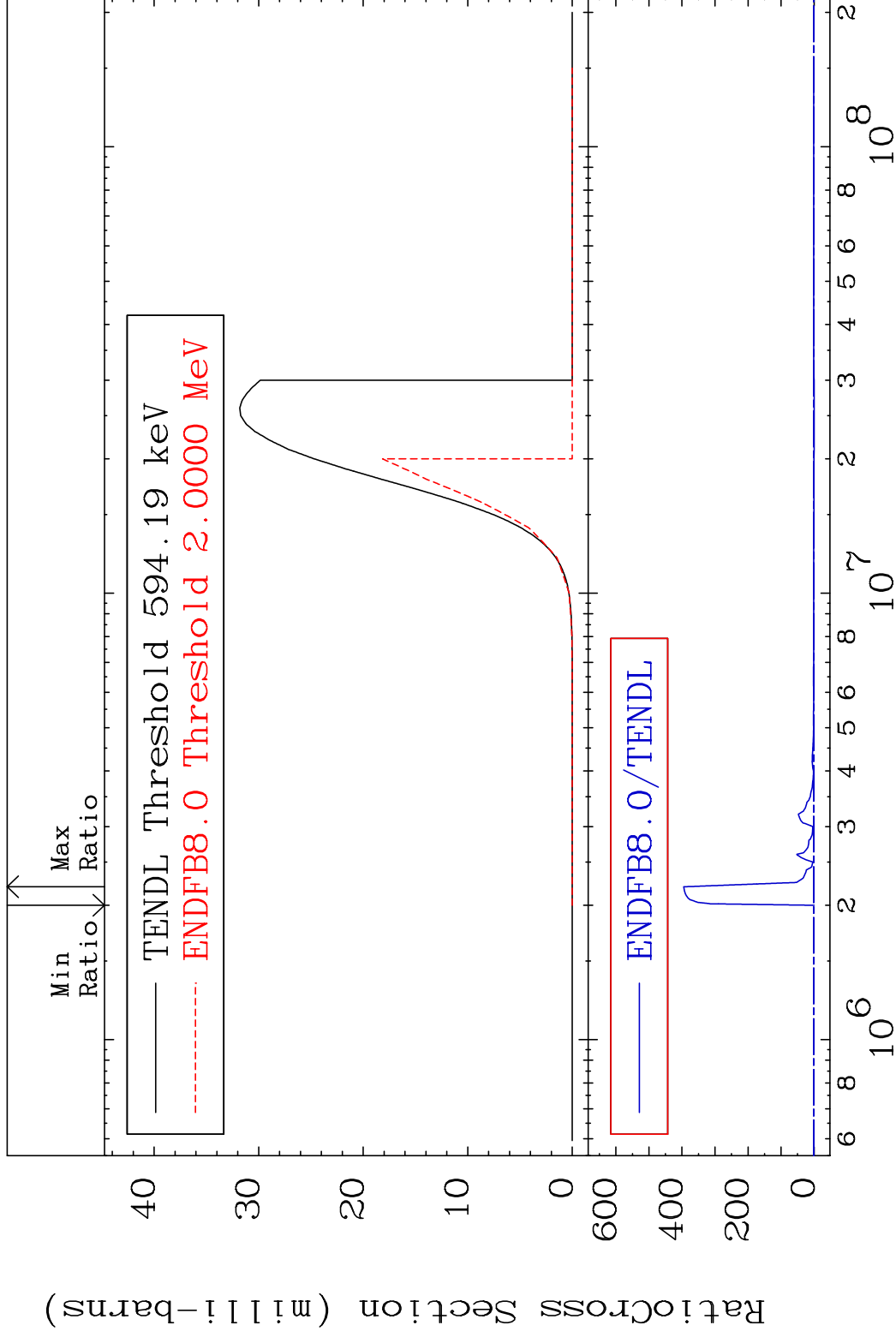
80-Hg-198

MAT 8031

(n, p)

80-Hg-198

Cross Section -100.0 To 9999. %

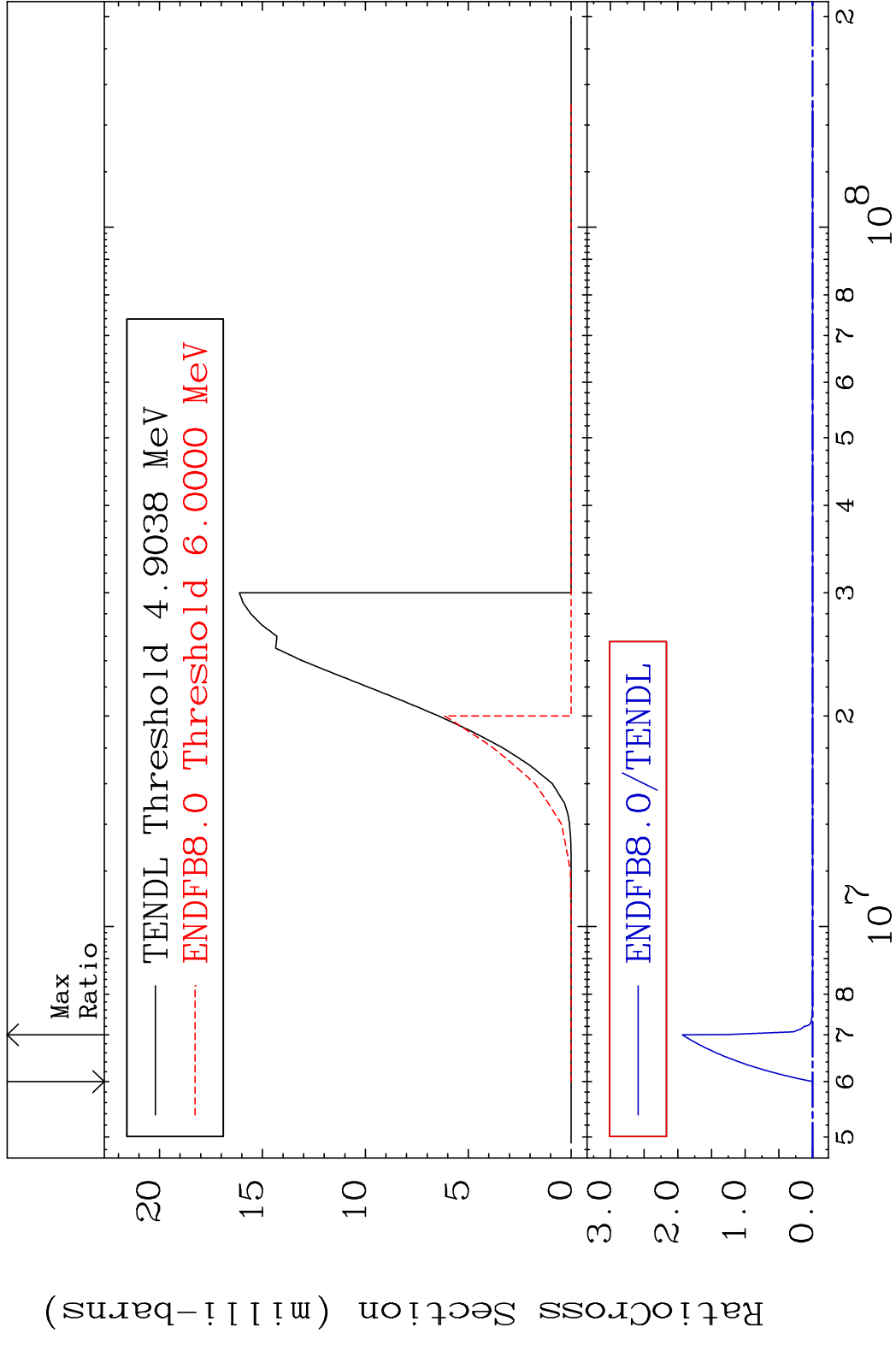


30

Incident Energy (eV)

80-Hg-198

MAT 8031 (n,d) 80-Hg-198  
 Cross Section -100.0 To 9999. %



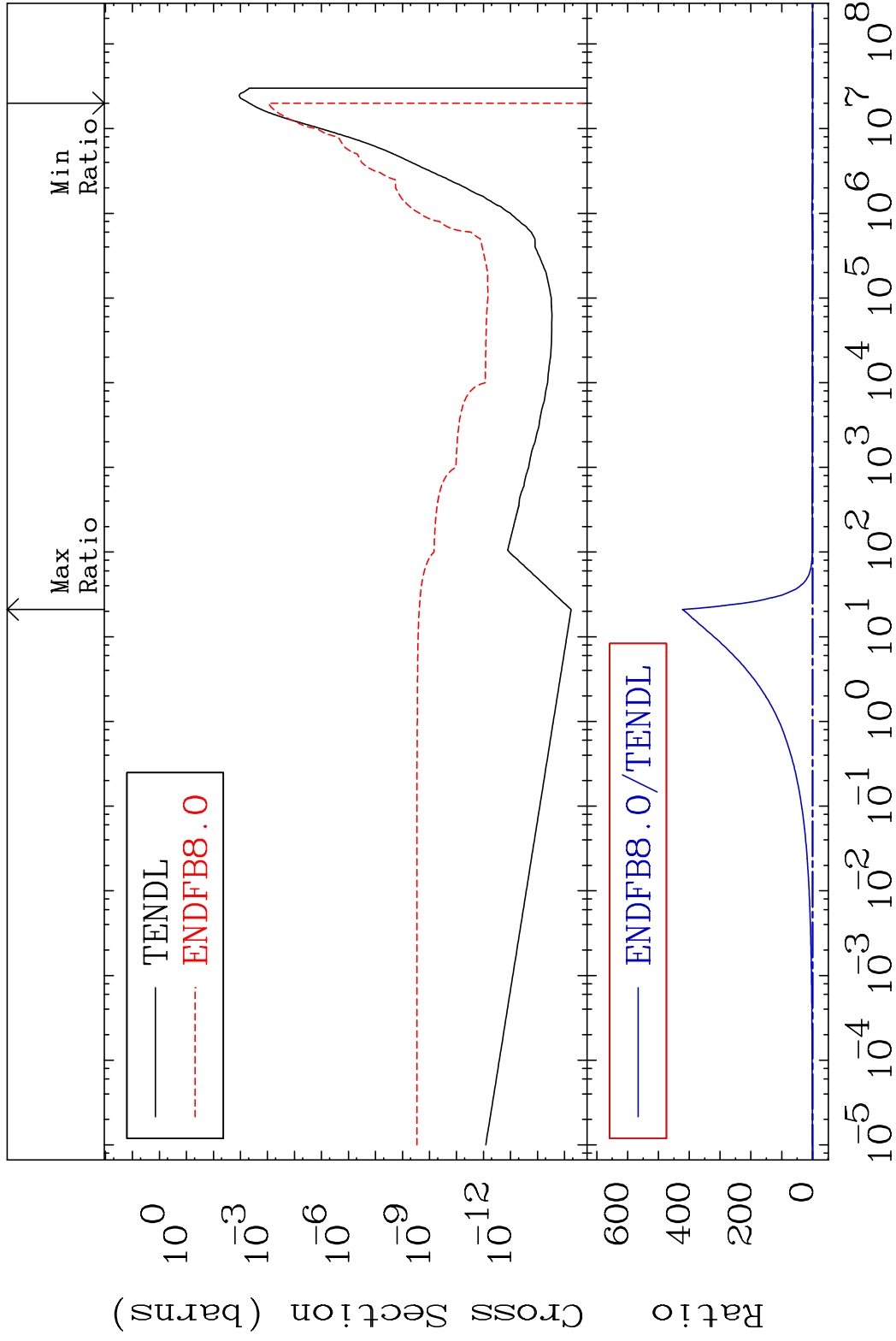


MAT 8031

80-Hg-198

(n,  $\alpha$ )

Cross Section -100.0 To 9999. %

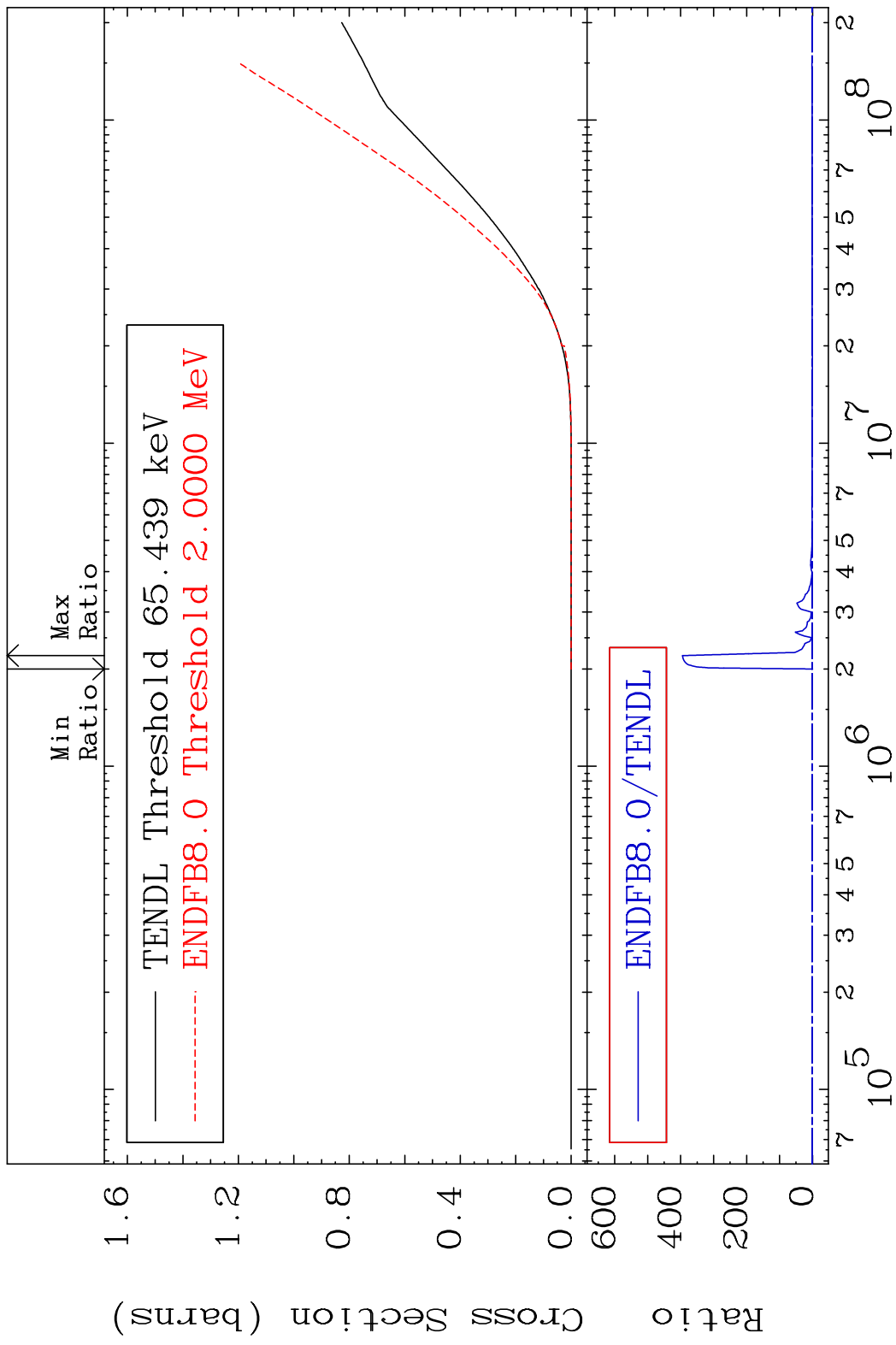


32

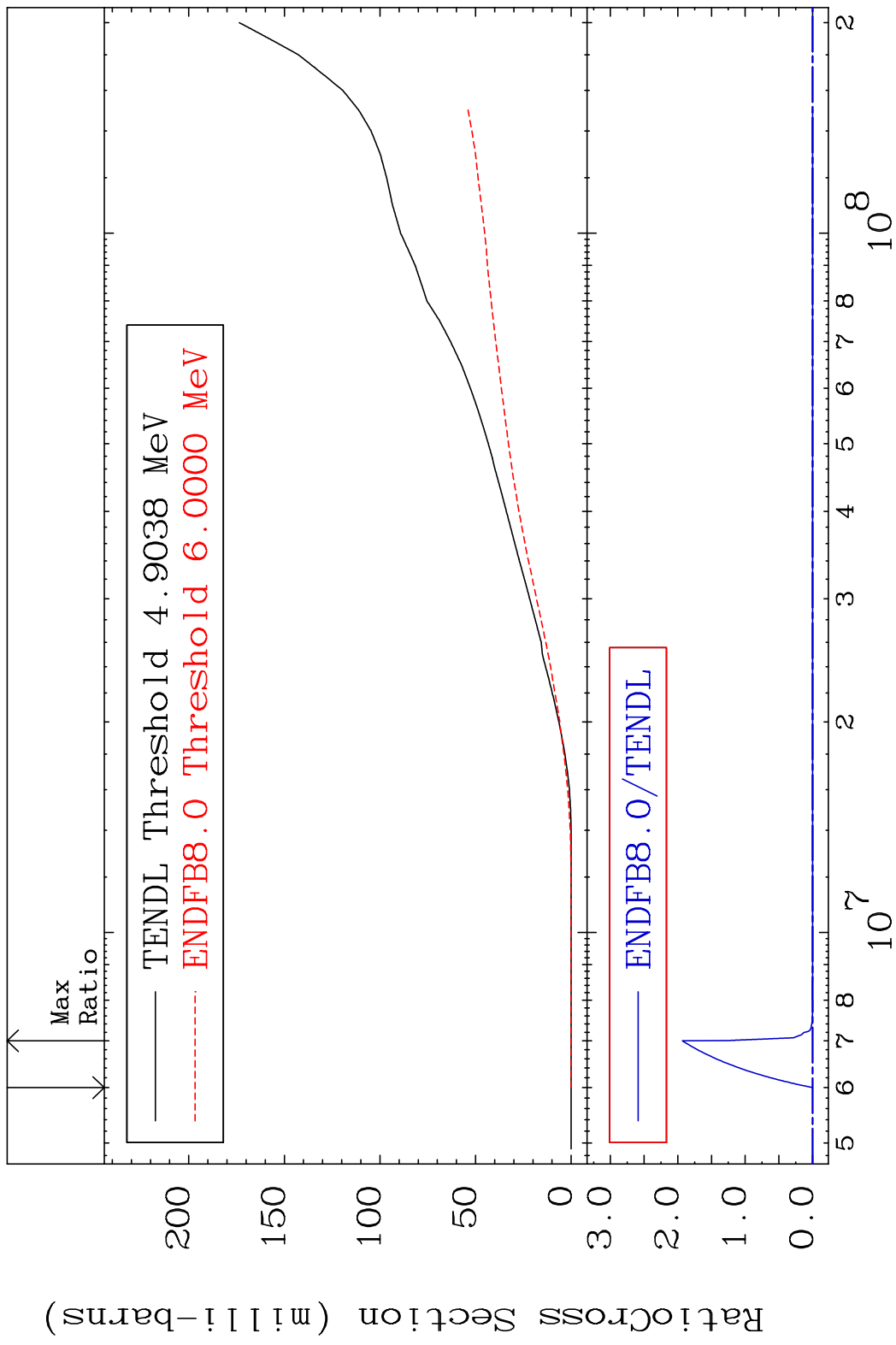
Incident Energy (eV)

80-Hg-198

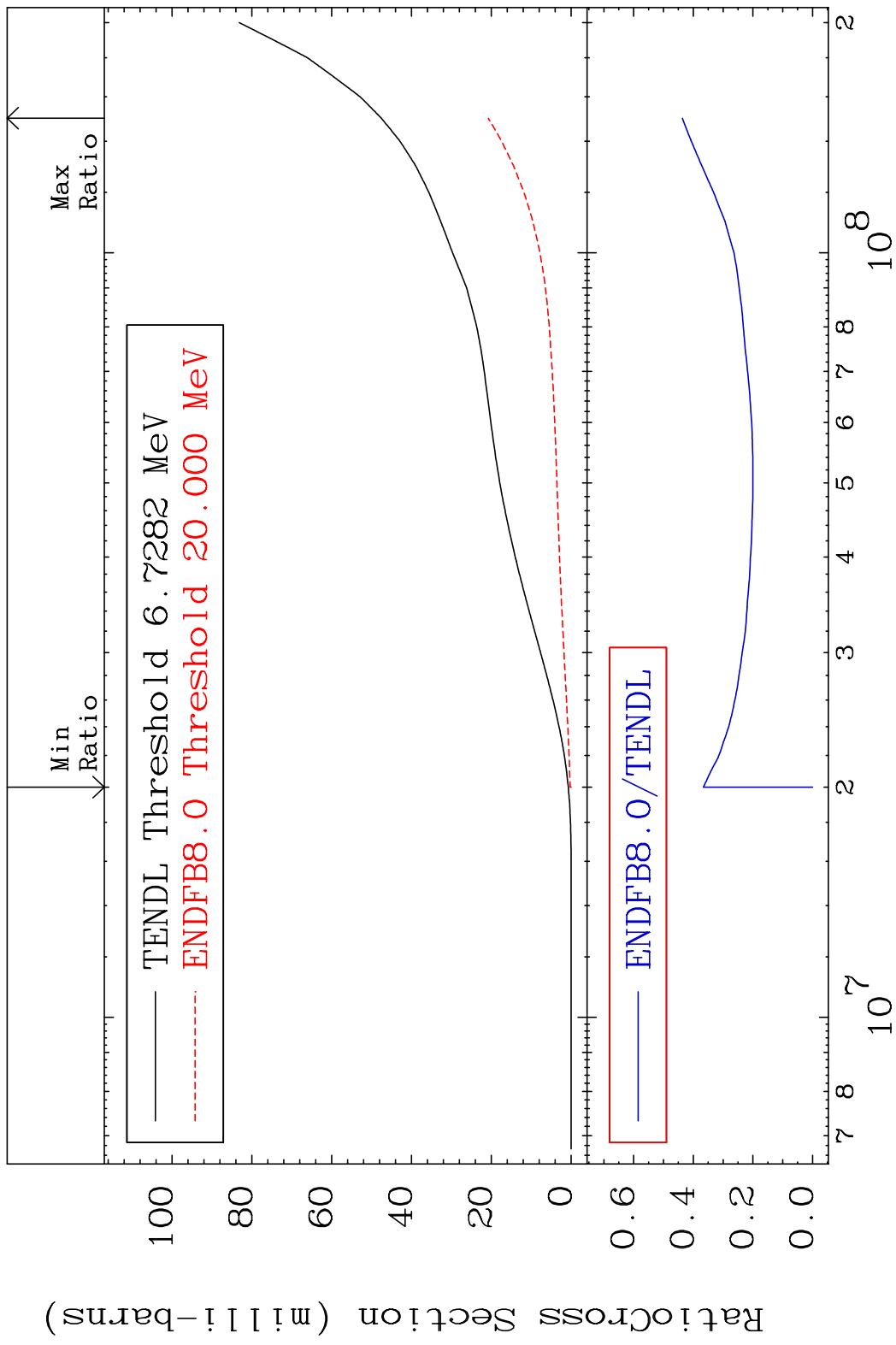
MAT 8031 Hydrogen Production 80-Hg-198  
 Cross Section -100.0 To 9999. %



MAT 8031 Deuterium Production 80-Hg-198  
 Cross Section -100.0 To 9999. %



MAT 8031 Tritium Production 80-Hg-198  
 Cross Section -100.0 To -56.33%



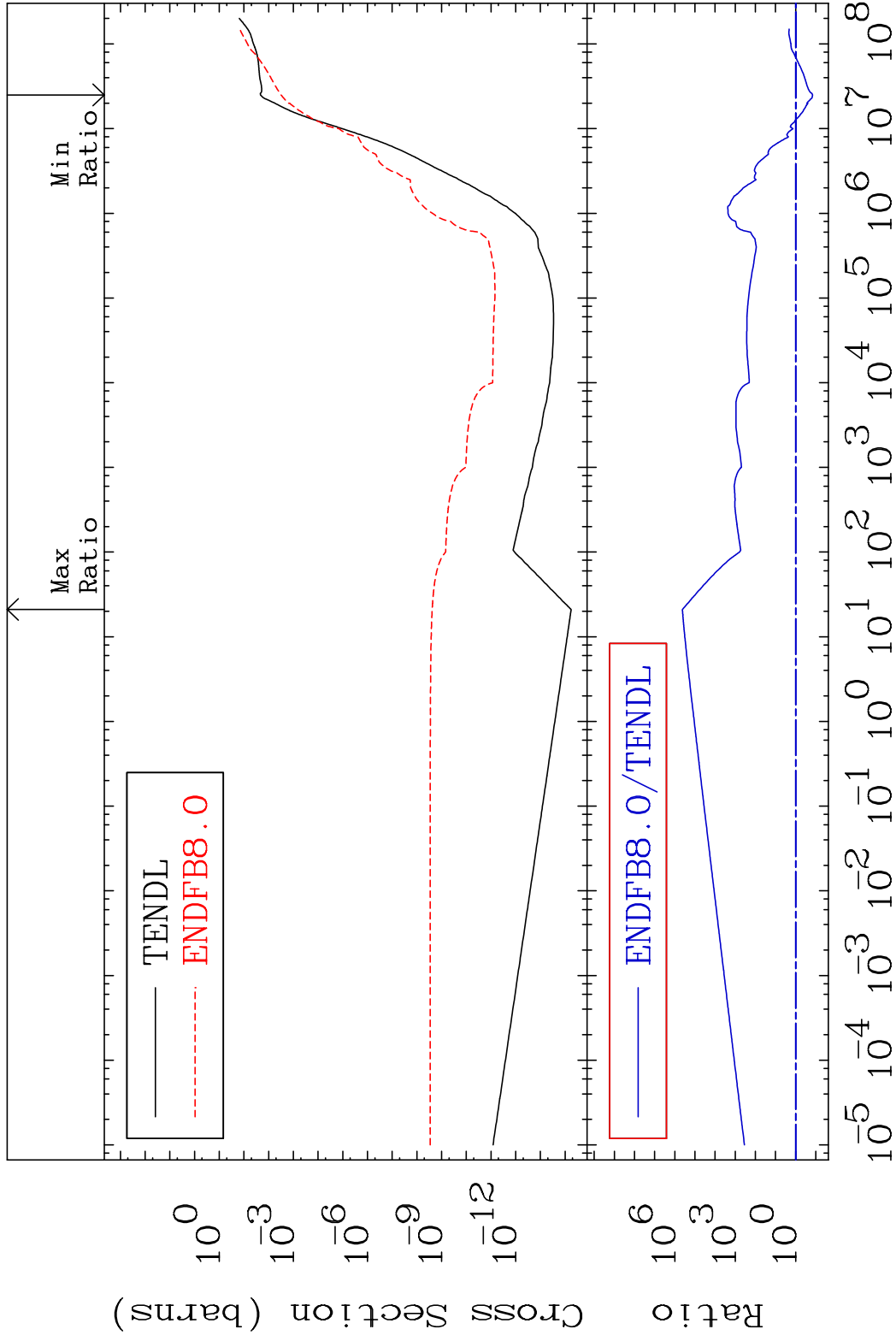
35 Incident Energy (eV) 80-Hg-198

MAT 8031

He-4 Production

80-Hg-198

Cross Section -85.45 To 9999. %

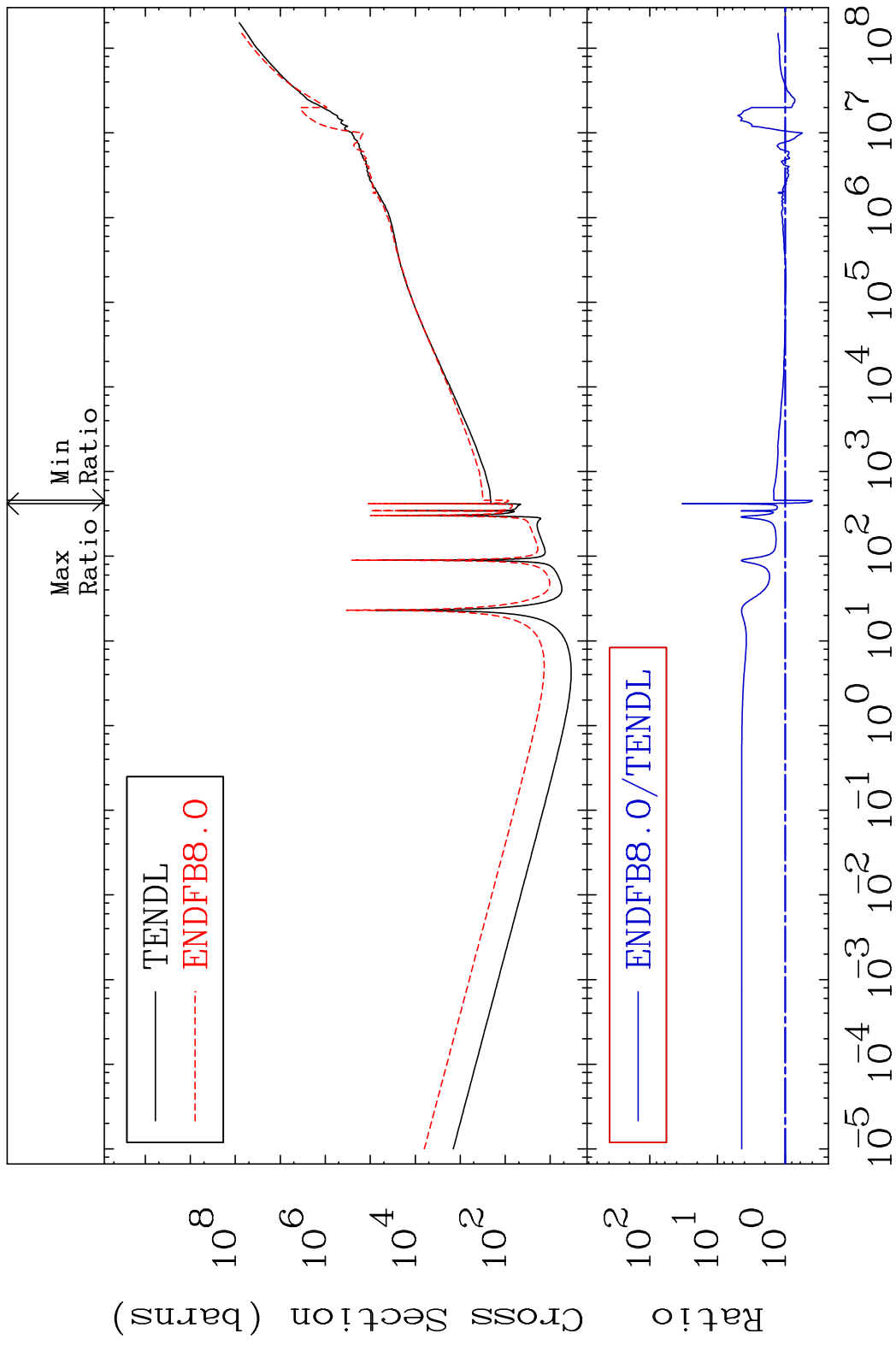


36

Incident Energy (eV)

80-Hg-198

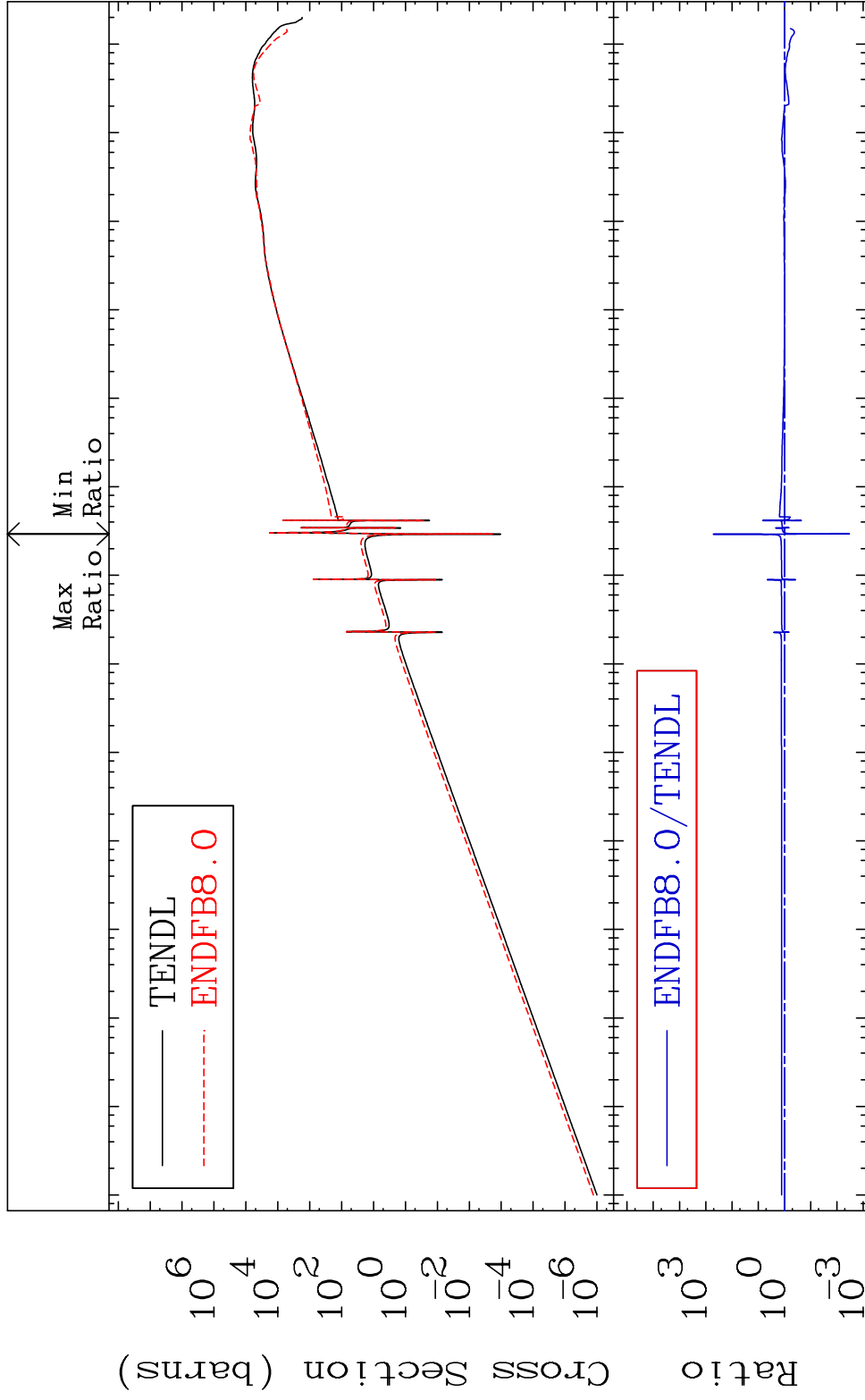
MAT 8031 Kerma total (eV-barns) 80-Hg-198  
 Cross Section -60.51 To 3203. %



MAT 8031

Kerma elastic  
Cross Section

80-Hg-198  
-99.66 To 9999. %

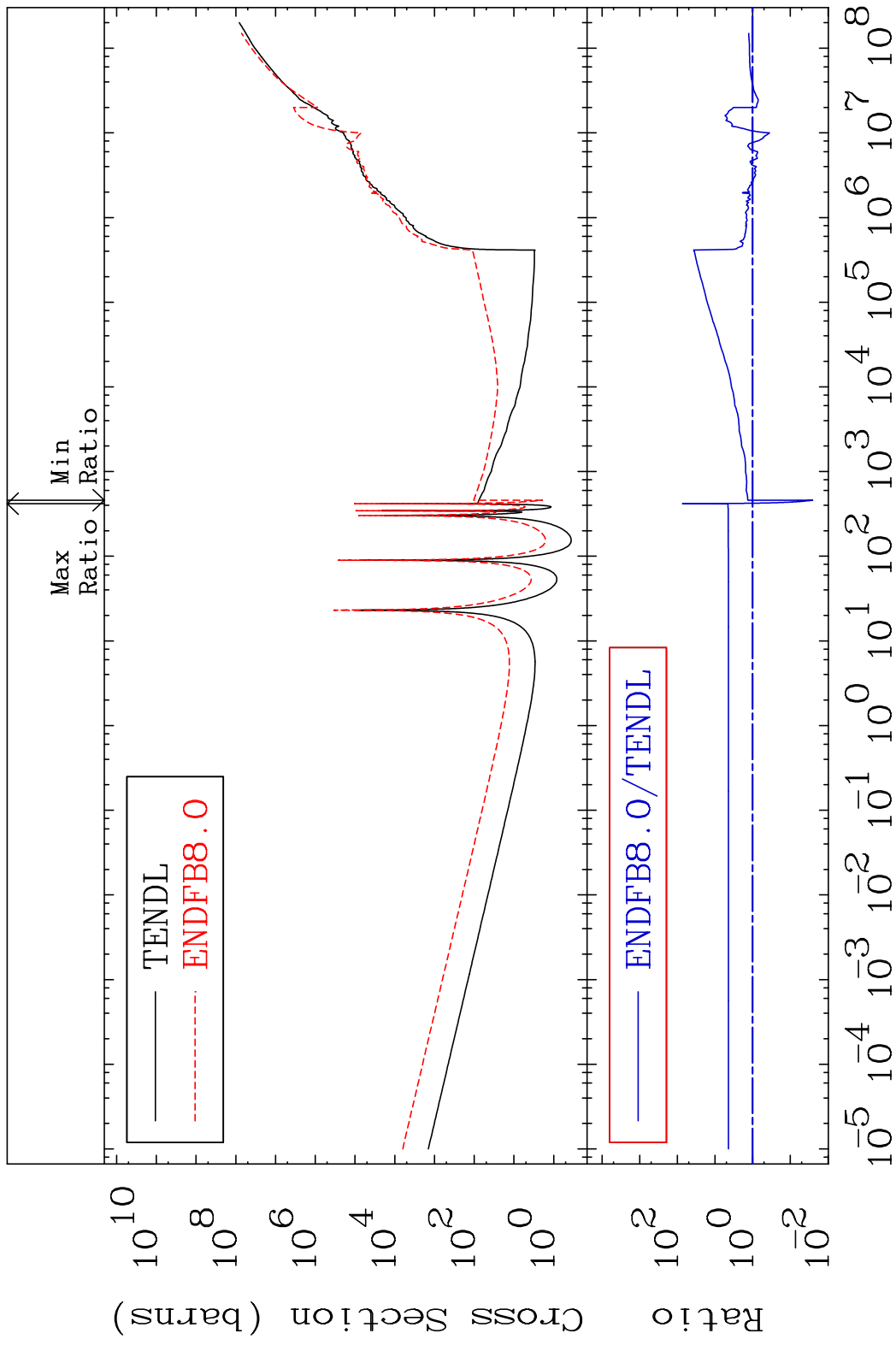


38

Incident Energy (eV)

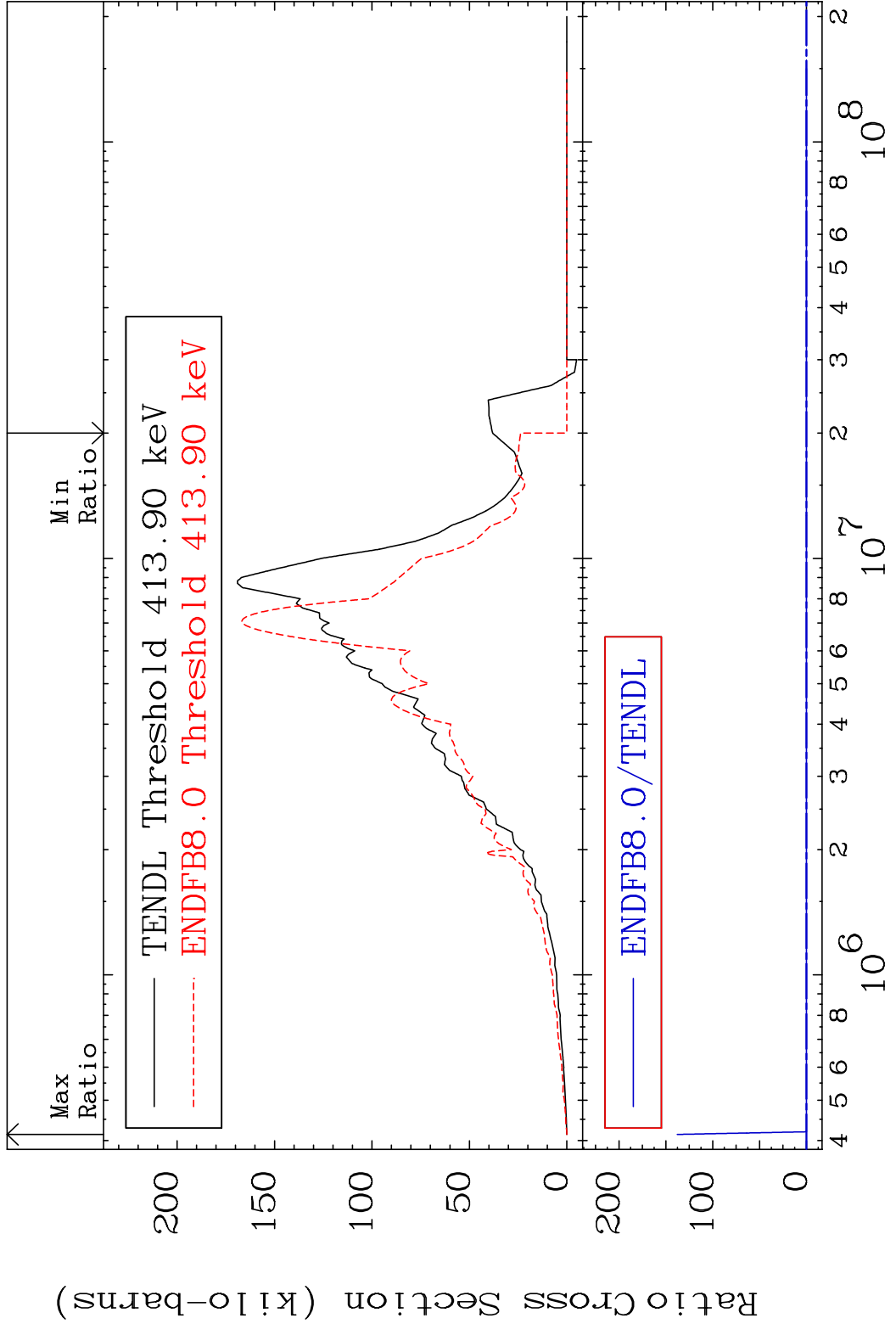
80-Hg-198

MAT 8031 Kerma non-elastic (all but mt2) 80-Hg-198  
 Cross Section -97.43 To 7300. %



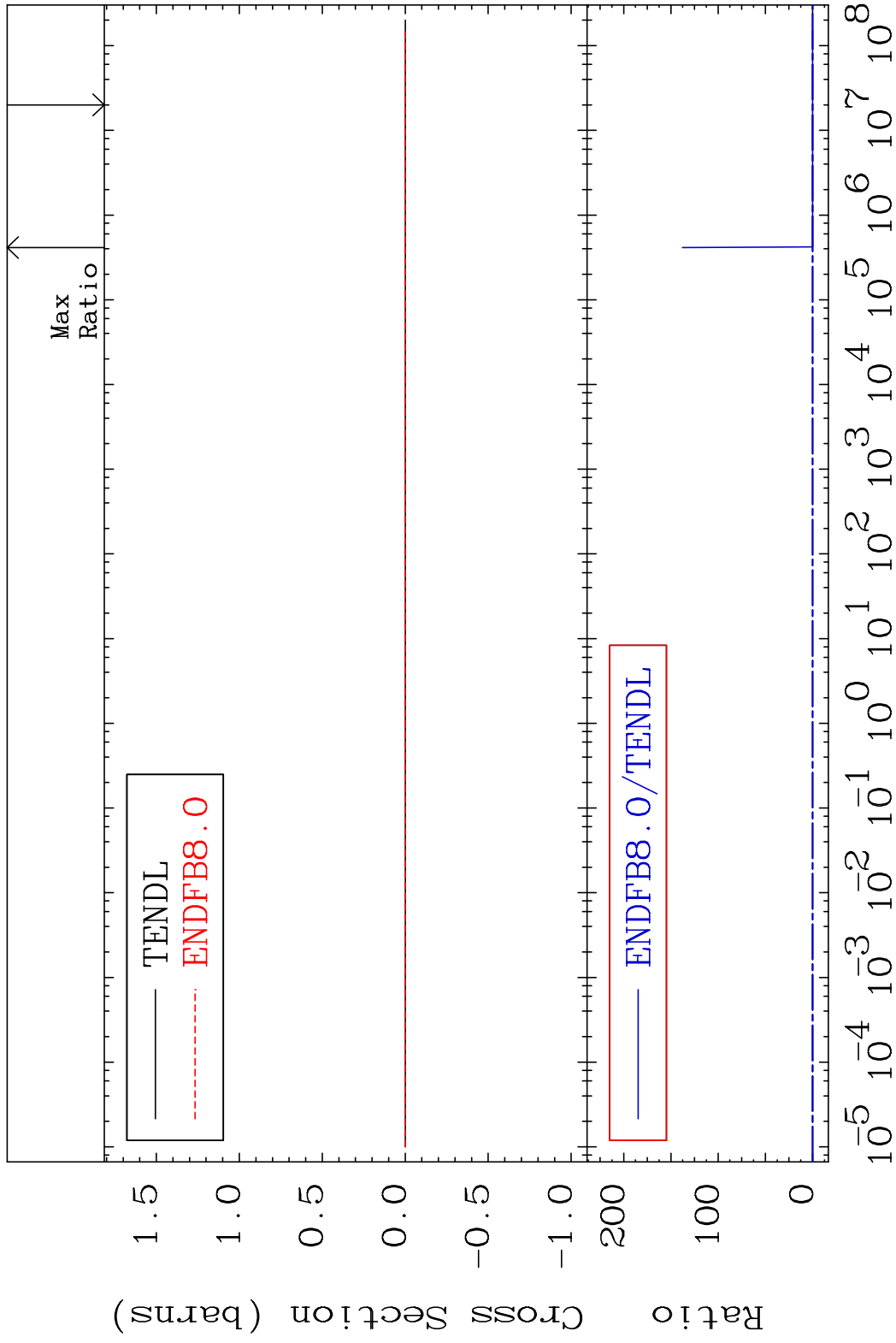


MAT 8031 Kerma inelastic (mt51-91) 80-Hg-198  
 Cross Section -100.0 To 9999. %

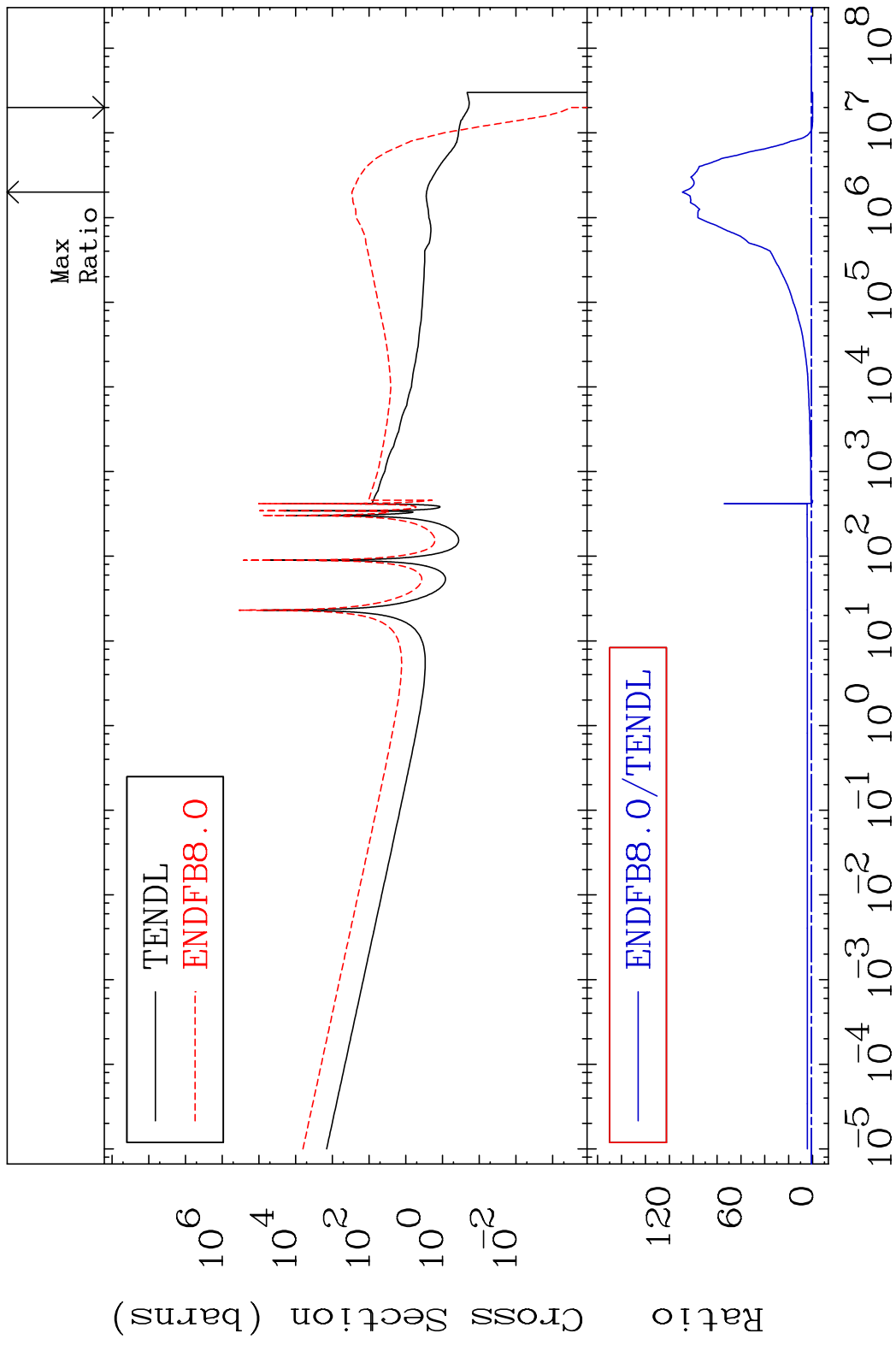


40 40

MAT 8031 Kerma fission (mt18 or mt19-20-21-38)80-Hg-198  
 Cross Section -100.0 To 9999. %

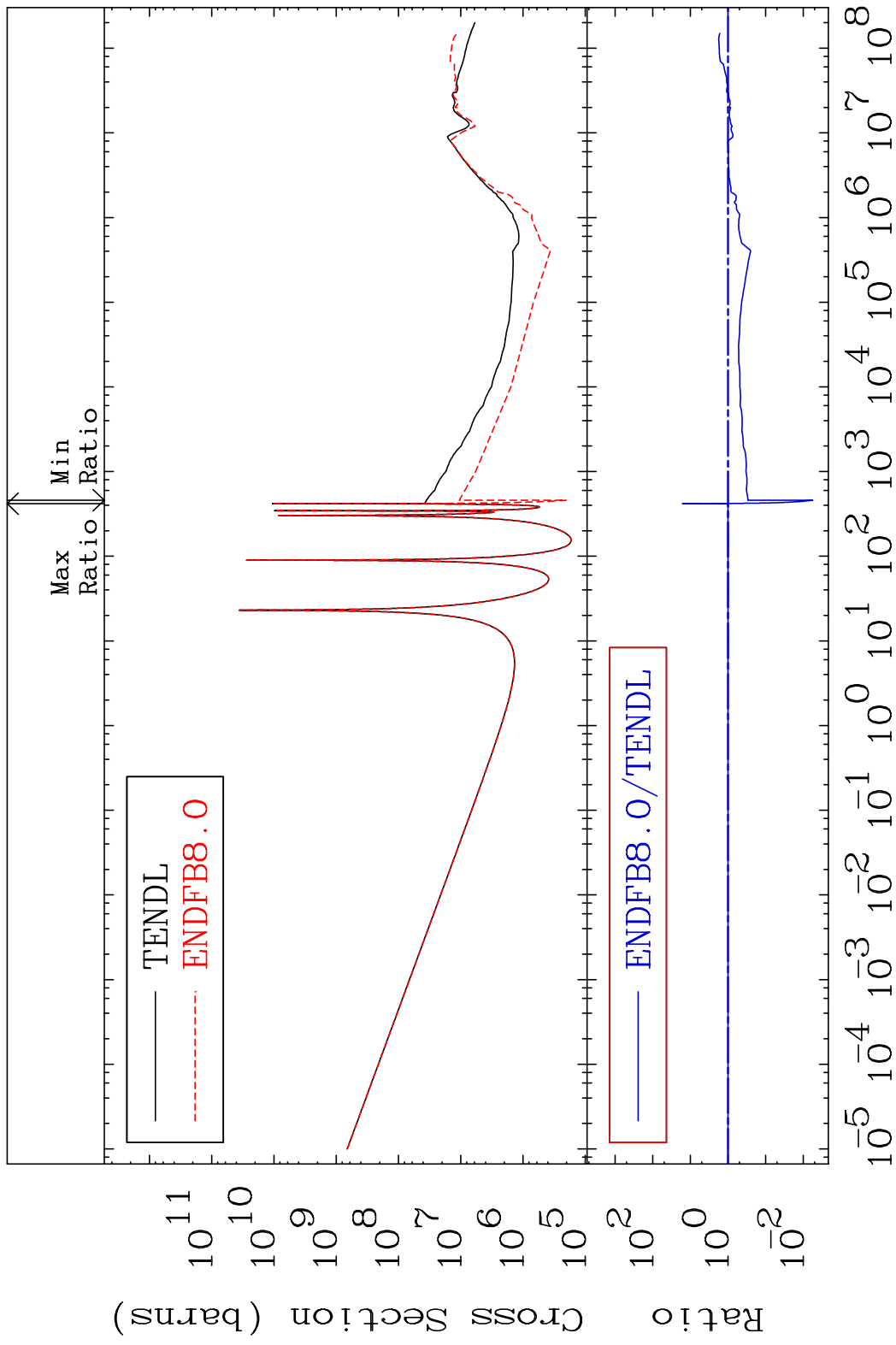


MAT 8031 Kerma capture (mt102) 80-Hg-198  
 Cross Section -100.0 To 9999. %



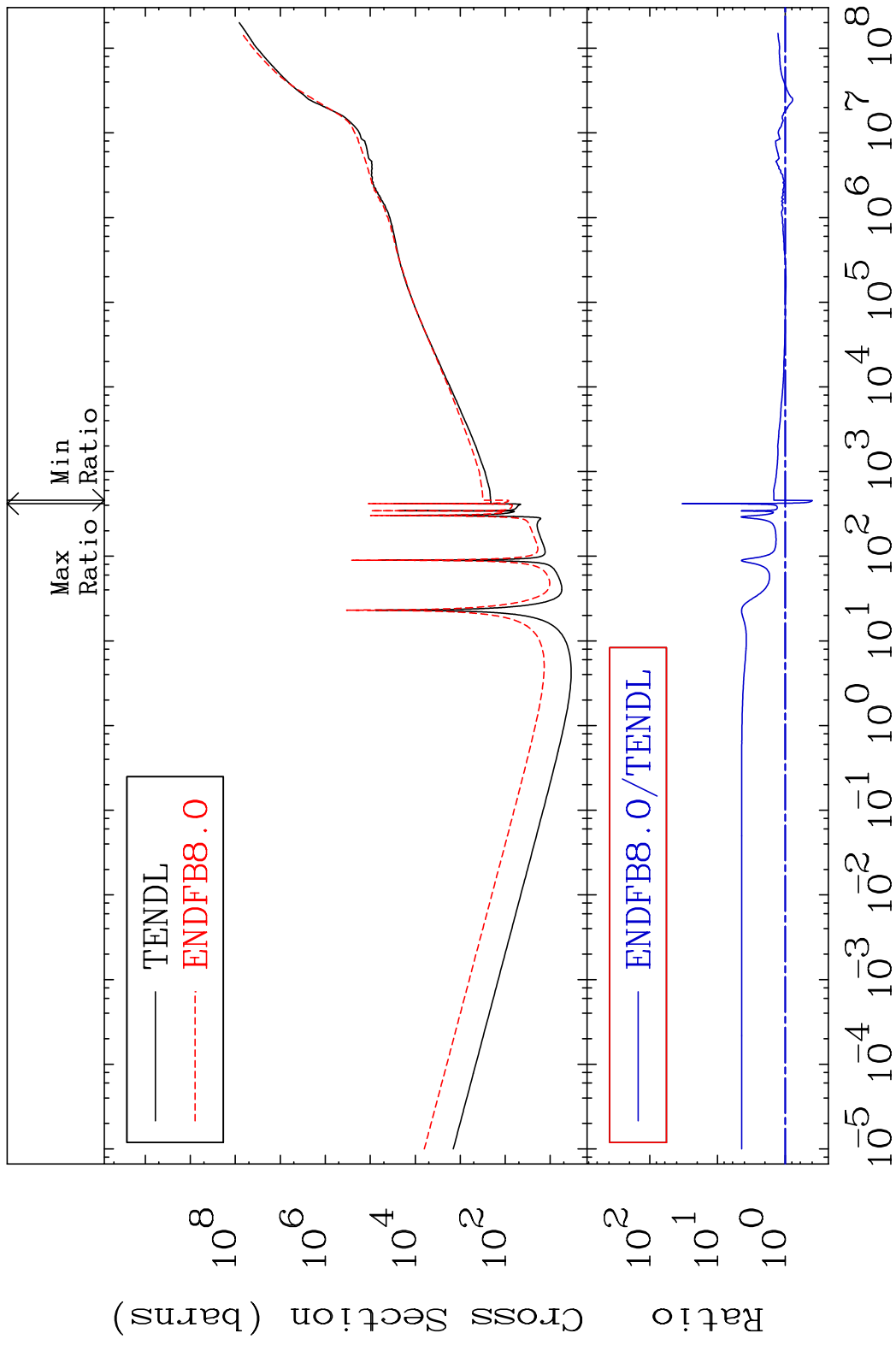
42 Incident Energy (eV) 80-Hg-198

MAT 8031 Total photon (eV-barns) 80-Hg-198  
 Cross Section -99.43 To 1536. %

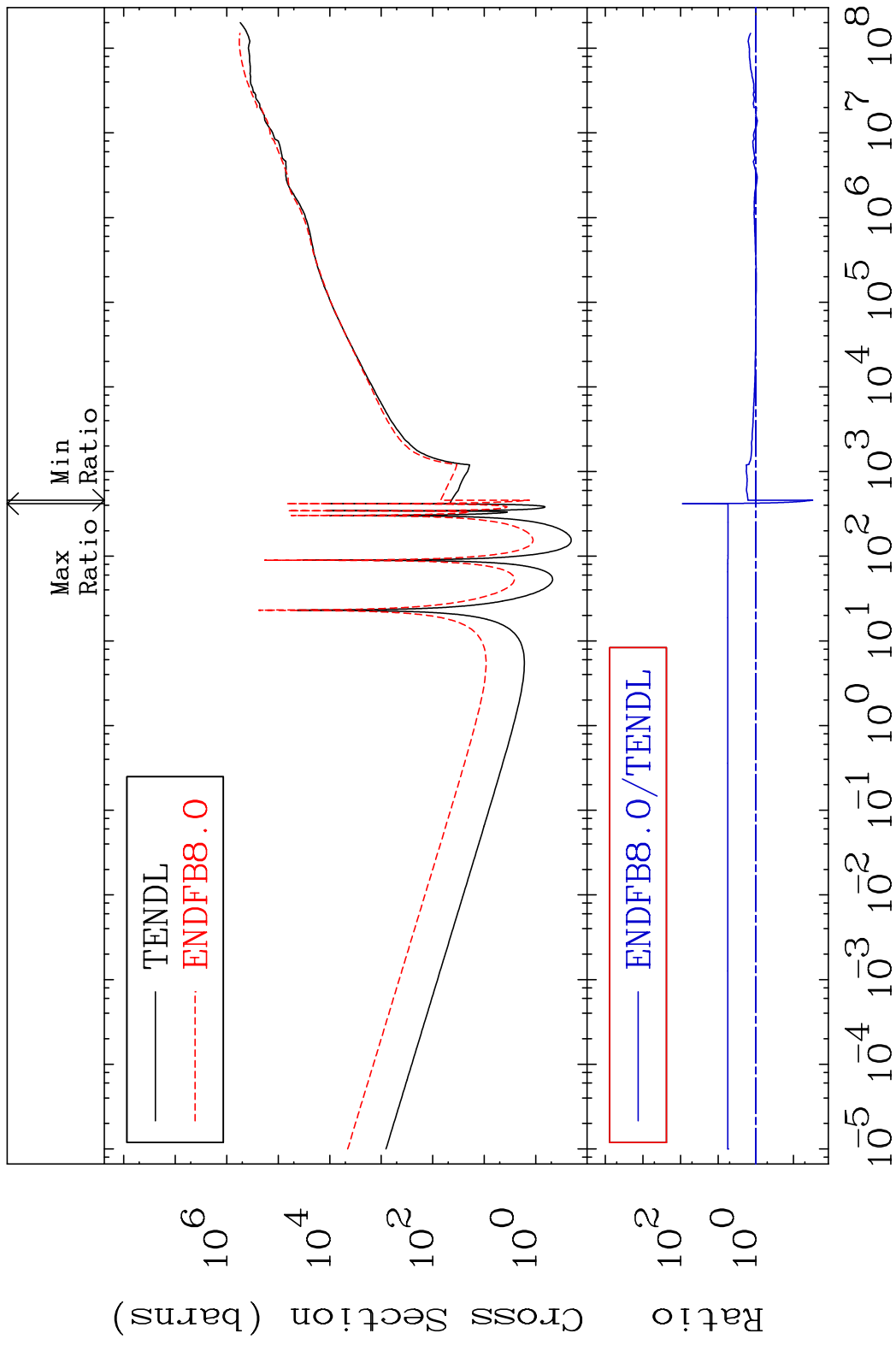


43 Incident Energy (eV) 80-Hg-198

MAT 8031 Total kinematic kerma (high limit) 80-Hg-198  
 Cross Section -60.51 To 3203. %



MAT 8031      Dpa total (eV-barns)      80-Hg-198  
 Cross Section      -96.90 To 8873. %



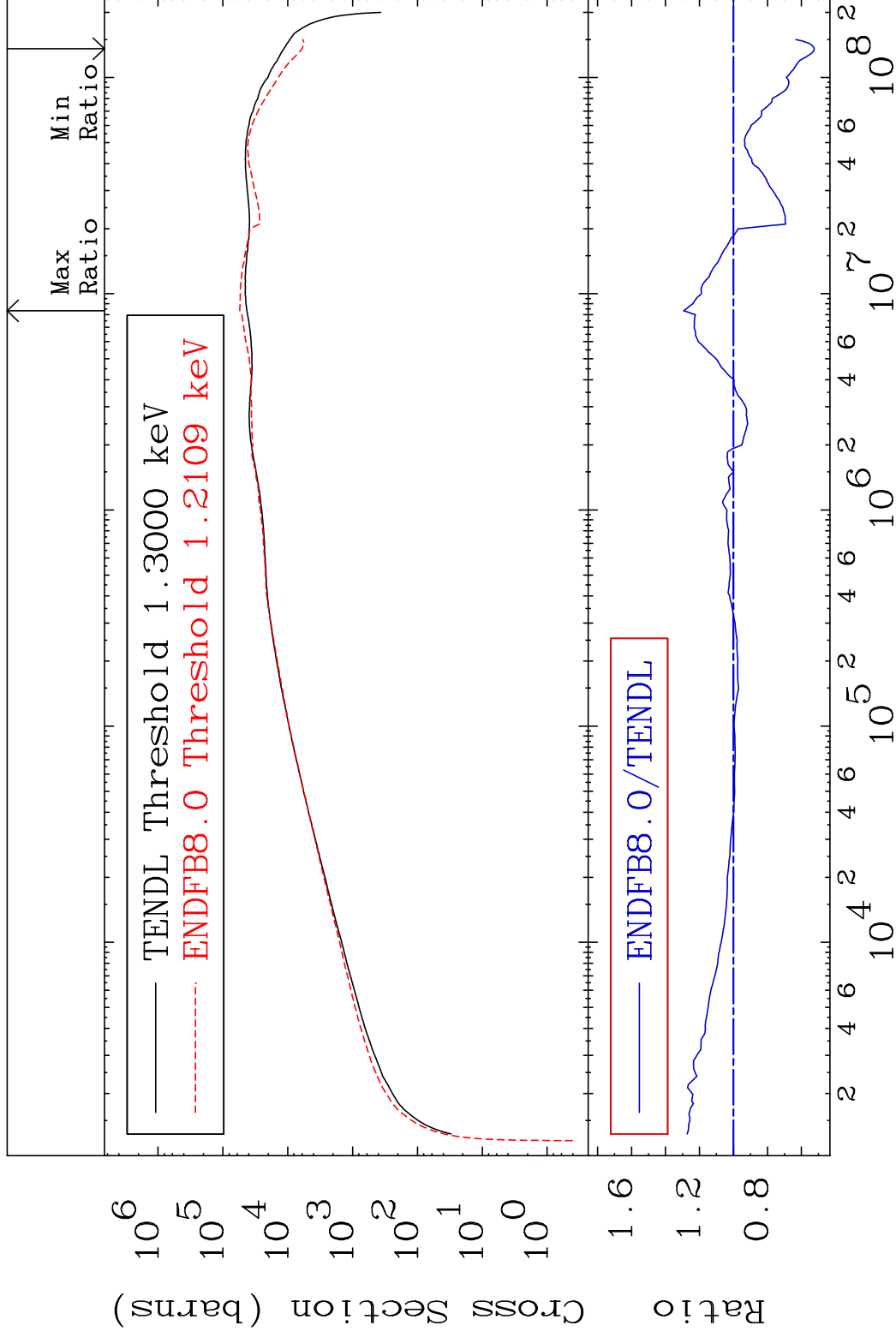
45      Incident Energy (eV)      80-Hg-198

MAT 8031

Dpa elastic (mt2)

80-Hg-198

Cross Section -47.47 To 29.32 %

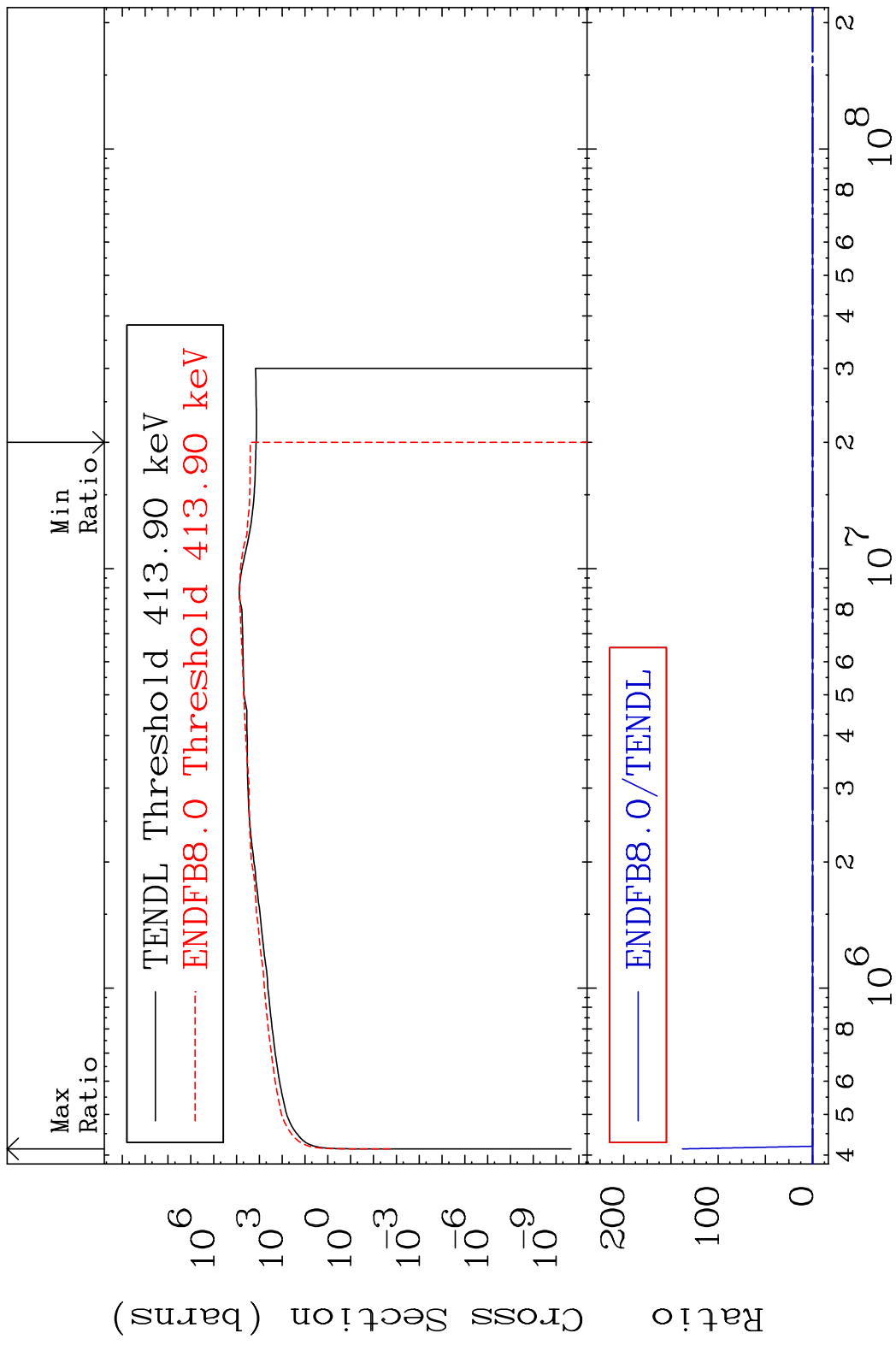


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Incident Energy (eV)

80-Hg-198

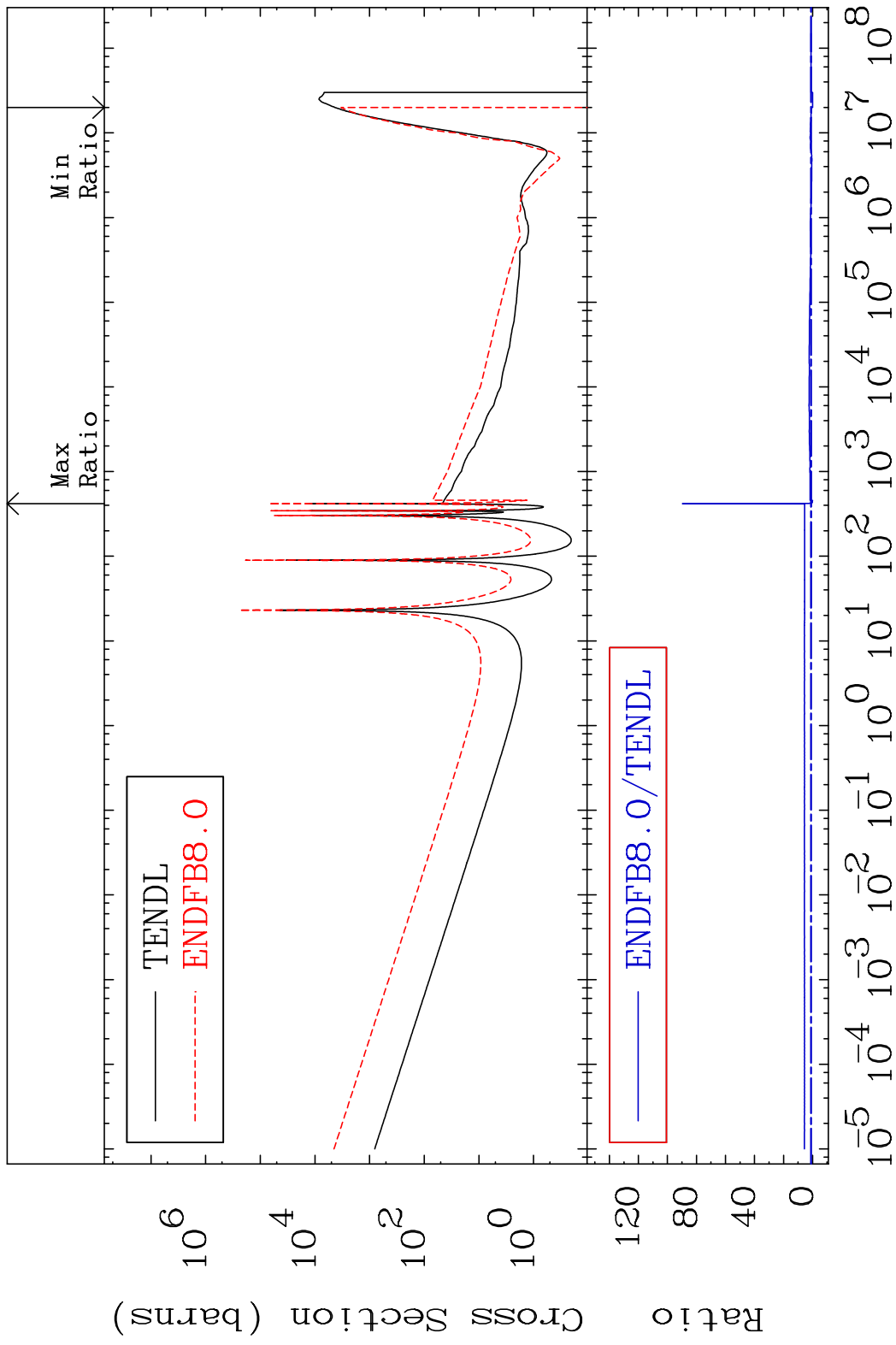
MAT 8031 Dpa inelastic (mt51-91) 80-Hg-198  
 Cross Section -100.0 To 9999. %



47 Incident Energy (eV) 80-Hg-198



MAT 8031 Dpa disappearance (mt102 -120) 80-Hg-198  
 Cross Section -100.0 To 8873. %



48 Incident Energy (eV) 80-Hg-198