

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

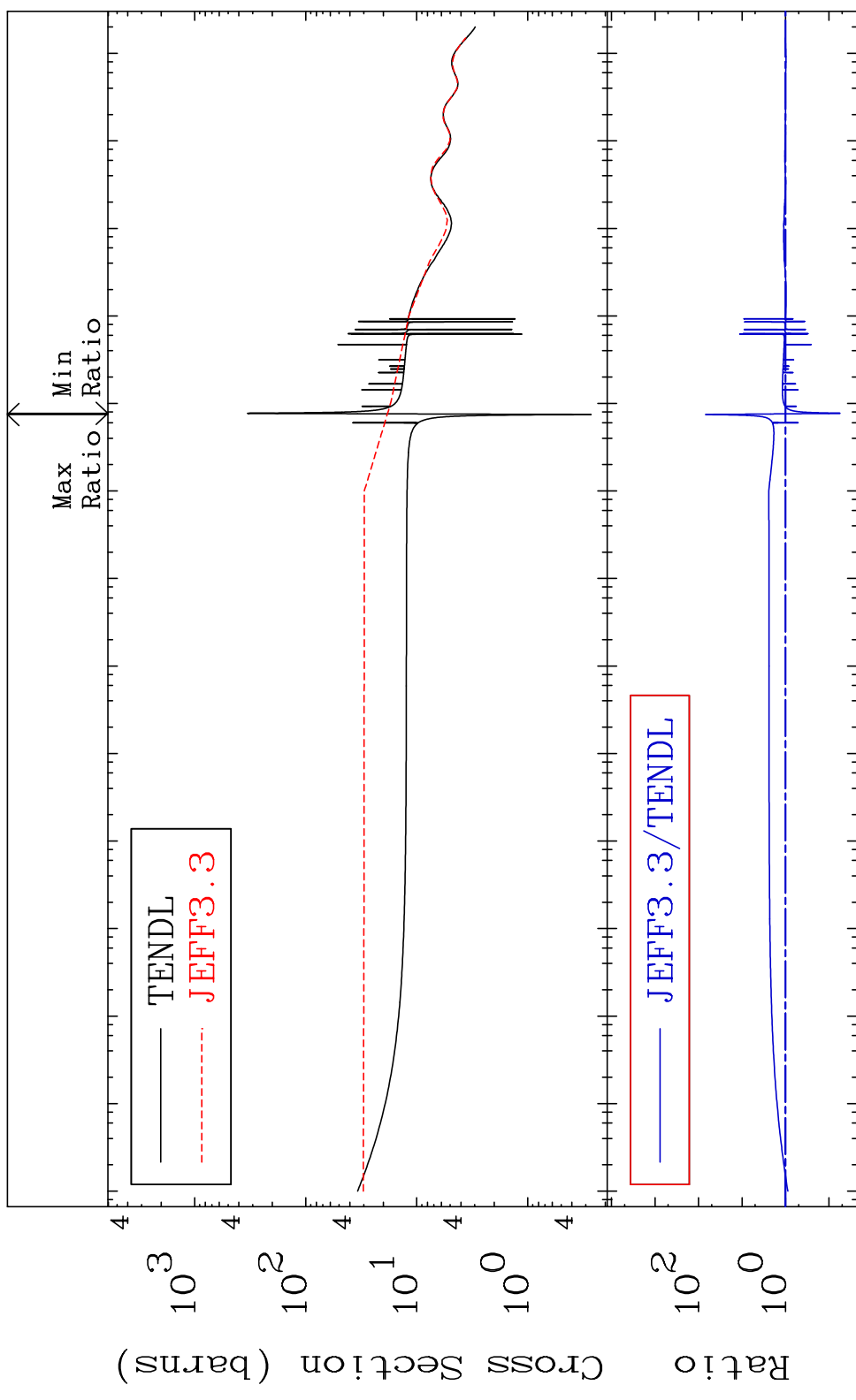
Press Mouse Button to Start

MAT 8049

Total

80-Hg-204

Cross Section -94.53 To 6715. %



1

Incident Energy (eV)

80-Hg-204

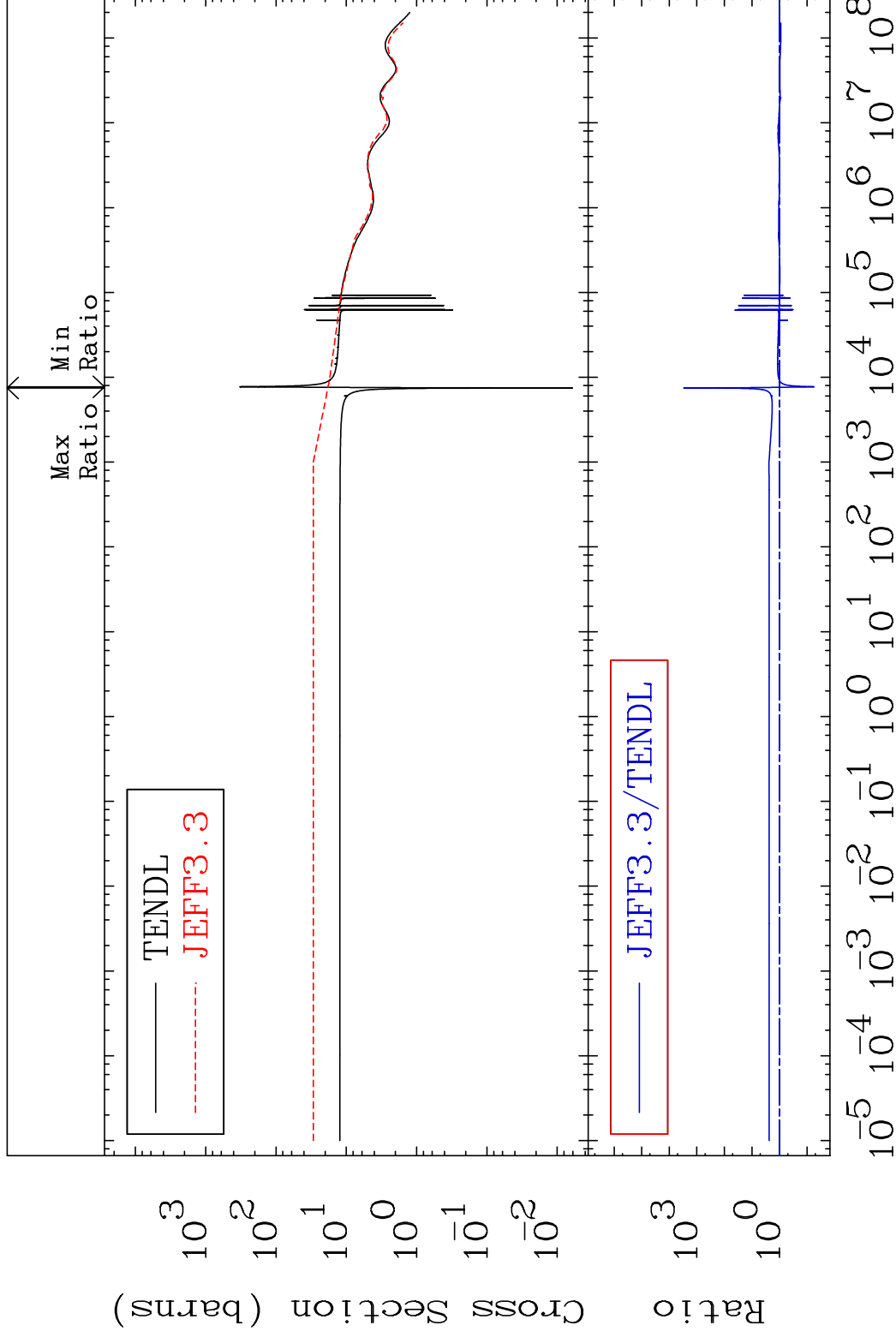
MAT 8049

Elastic

80-Hg-204

Cross Section

-94.44 To 9999. %

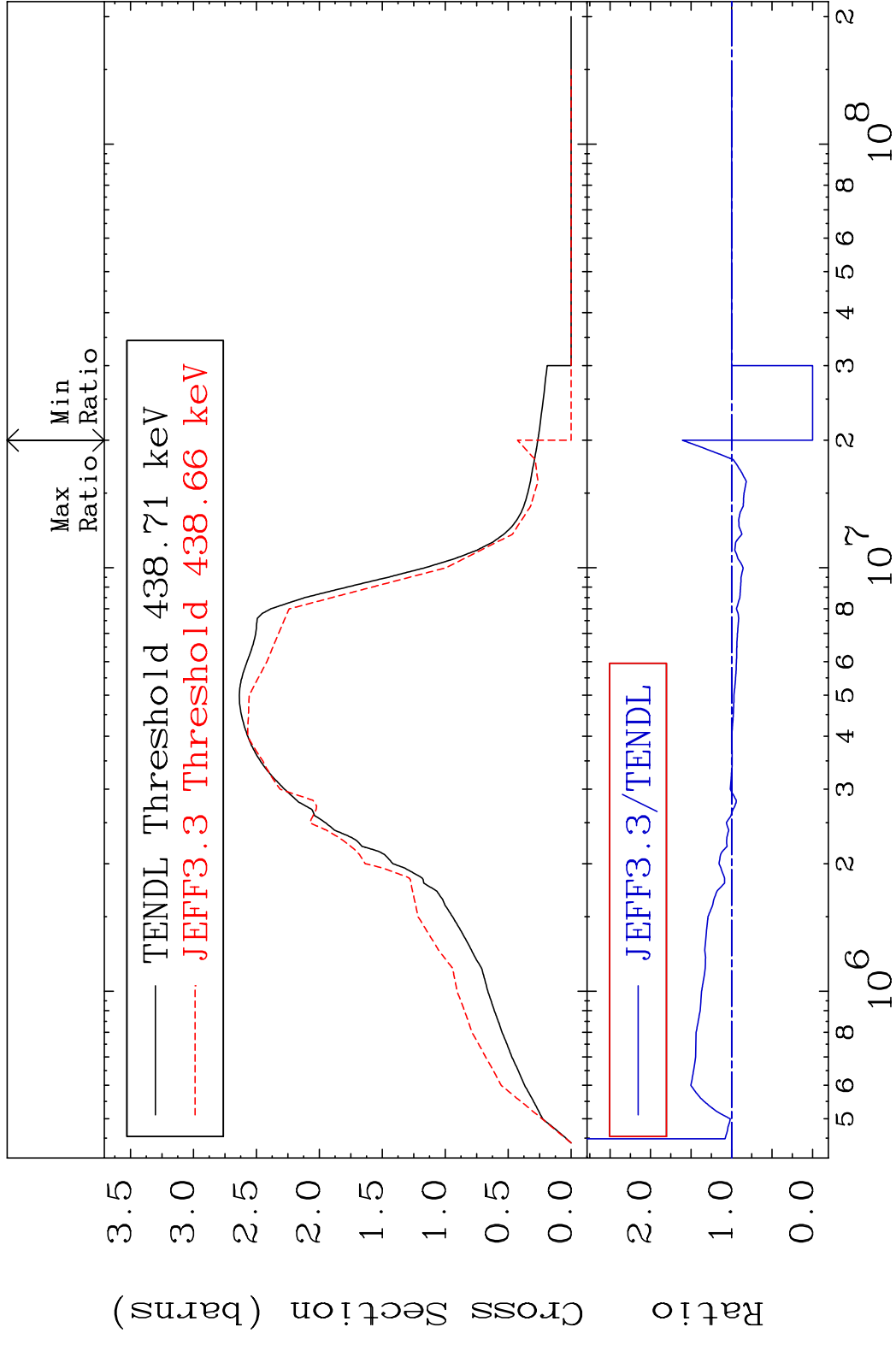


2

Incident Energy (eV)

80-Hg-204

MAT 8049 Inelastic Cross Section -100.0 To 60.73 % 80-Hg-204



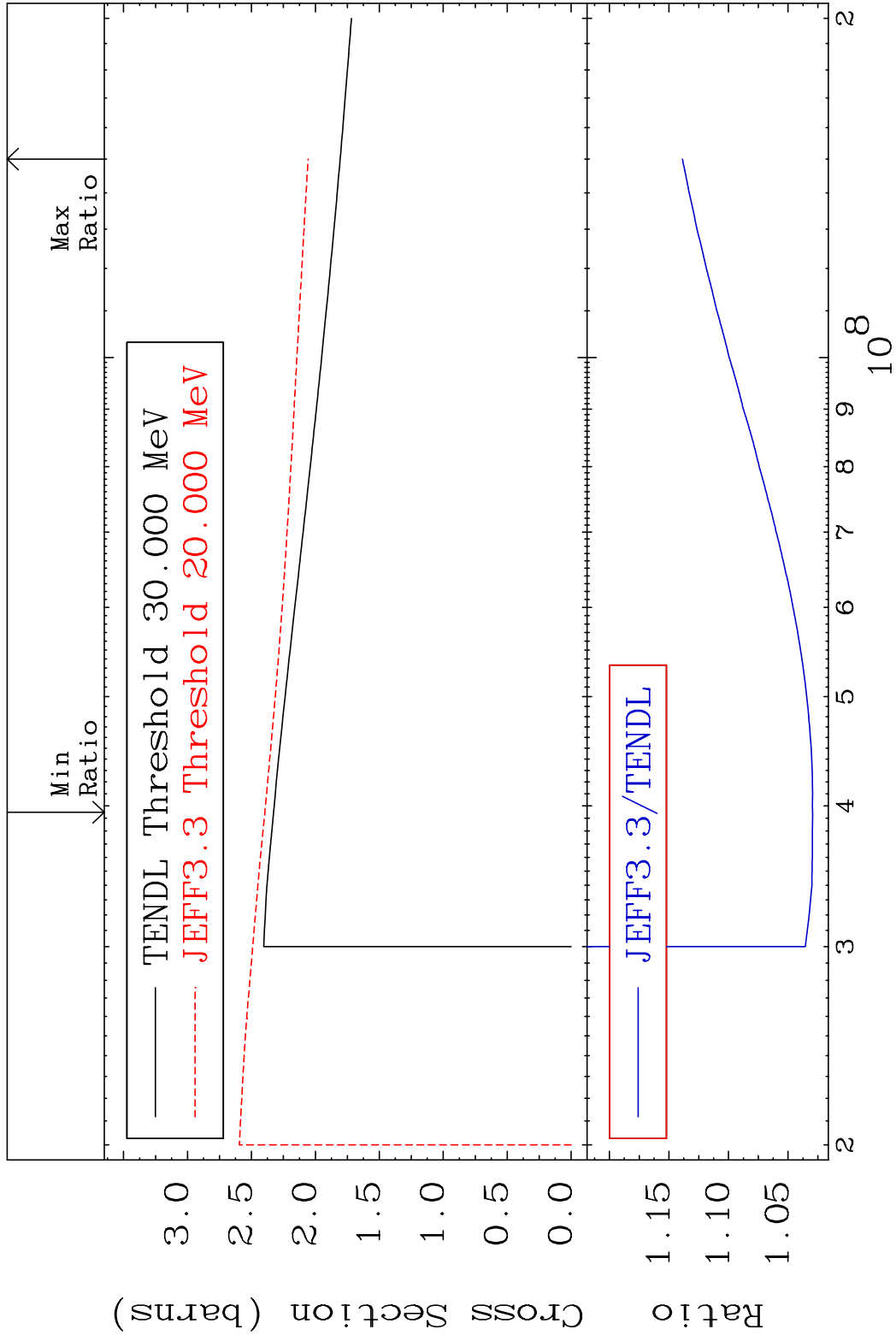
3 Incident Energy (eV) 80-Hg-204

MAT 8049

(n, remainder)

80-Hg-204

Cross Section 2.943 To 13.88 %



4

Incident Energy (eV)

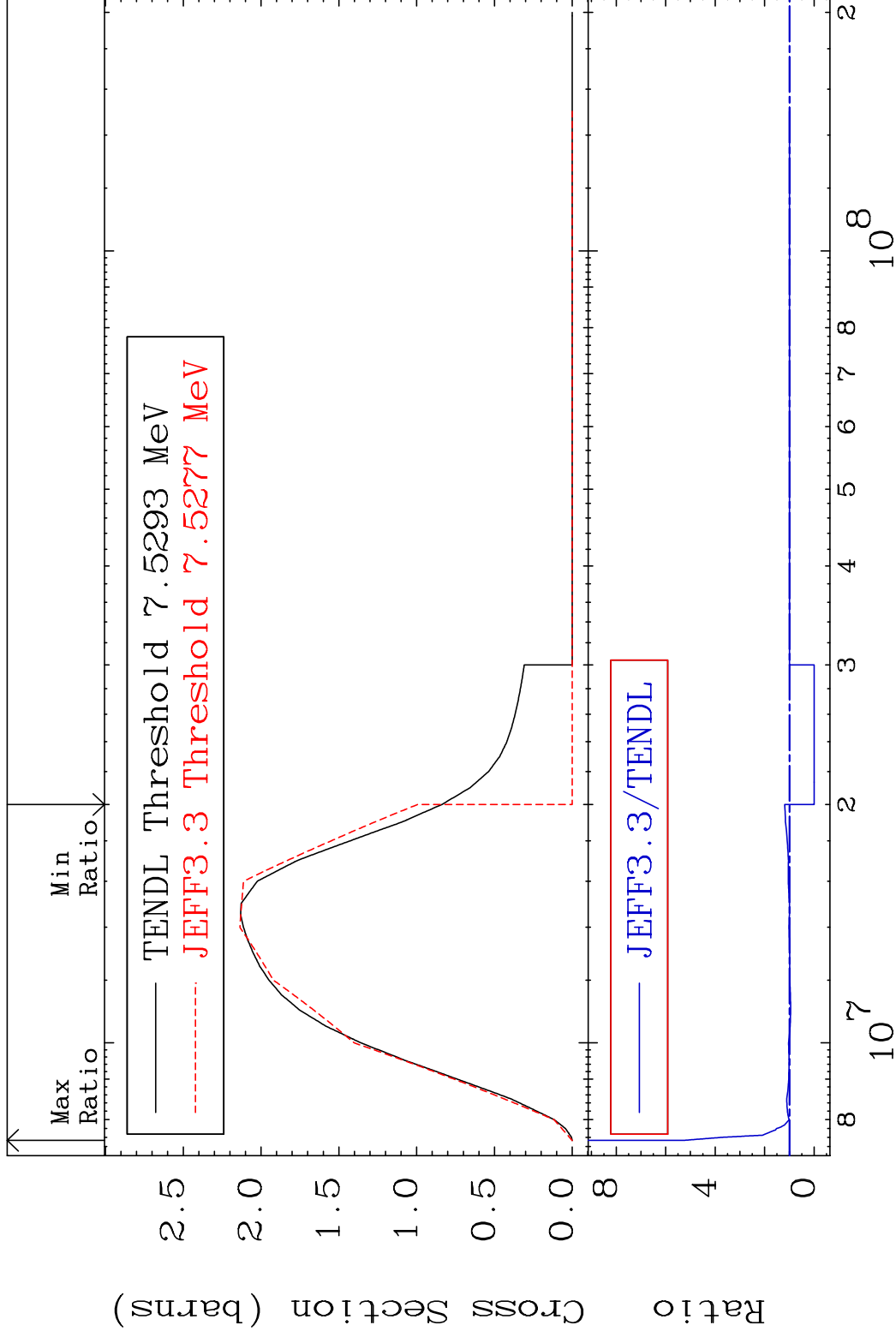
80-Hg-204

MAT 8049

(n,2n)

80-Hg-204

Cross Section -100.0 To 427.4 %



5

Incident Energy (eV)

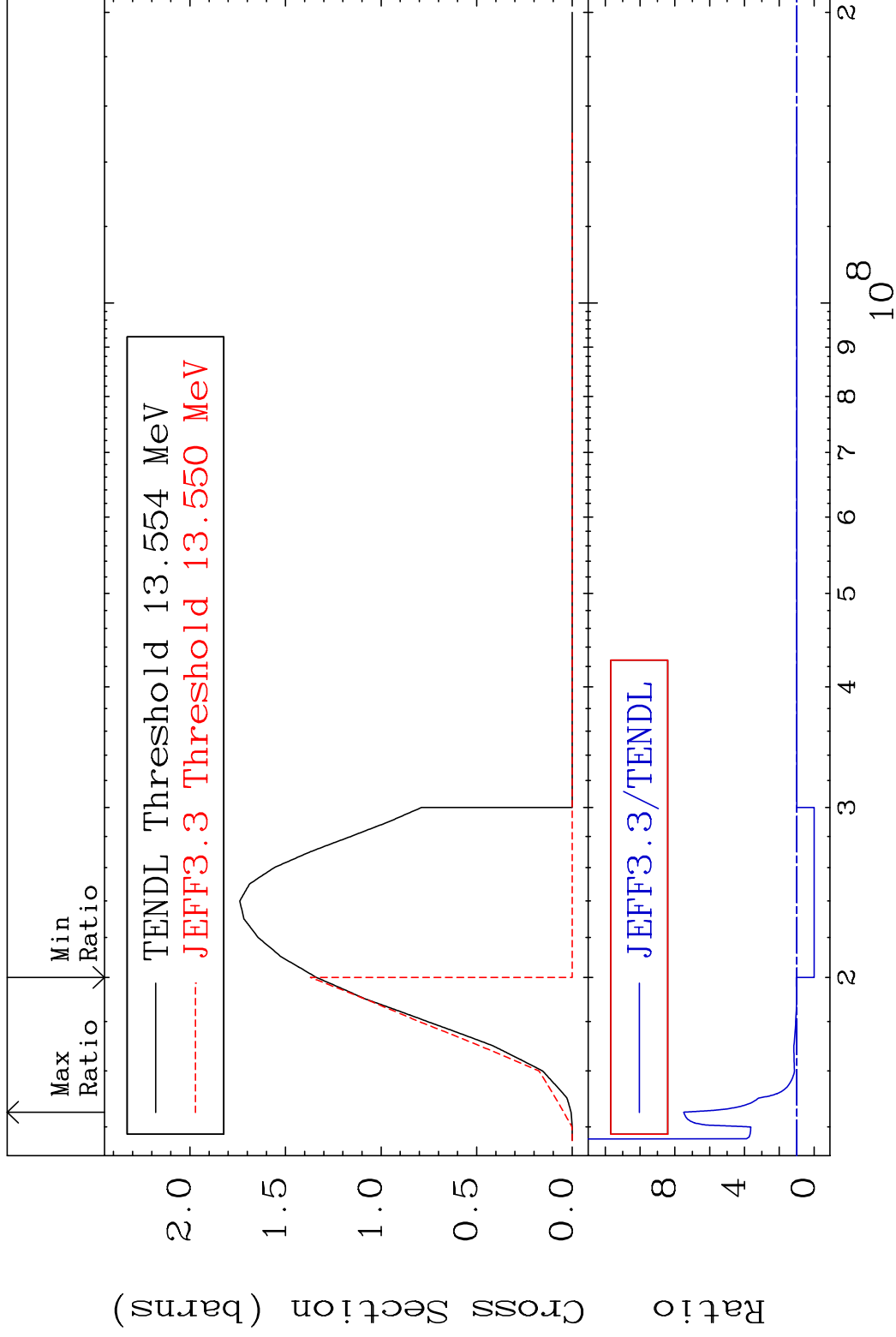
80-Hg-204

MAT 8049

(n,3n)

80-Hg-204

Cross Section -100.0 To 649.6 %



6

Incident Energy (eV)

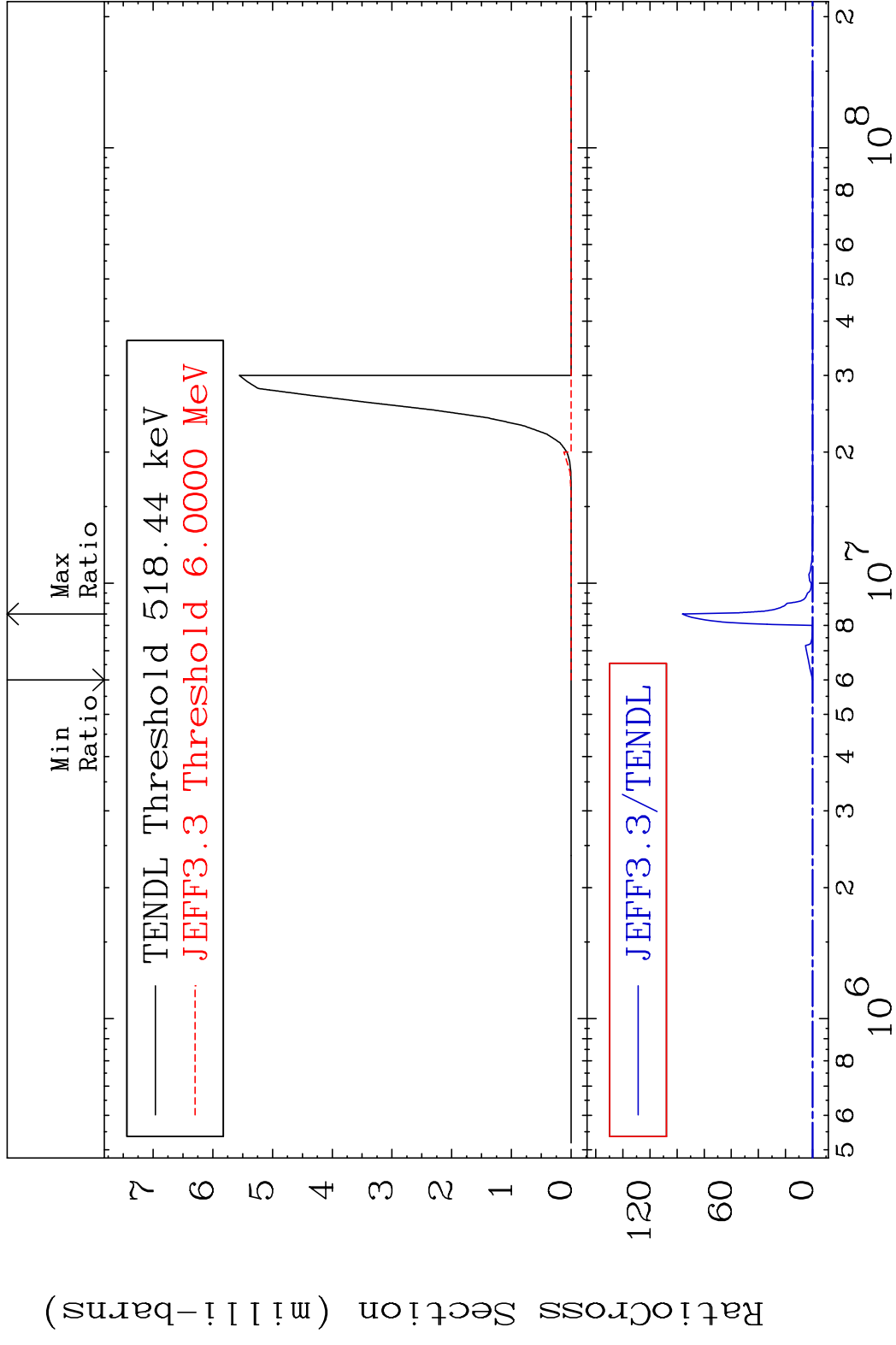
80-Hg-204

MAT 8049

(n, n')  $\alpha$

80-Hg-204

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

80-Hg-204

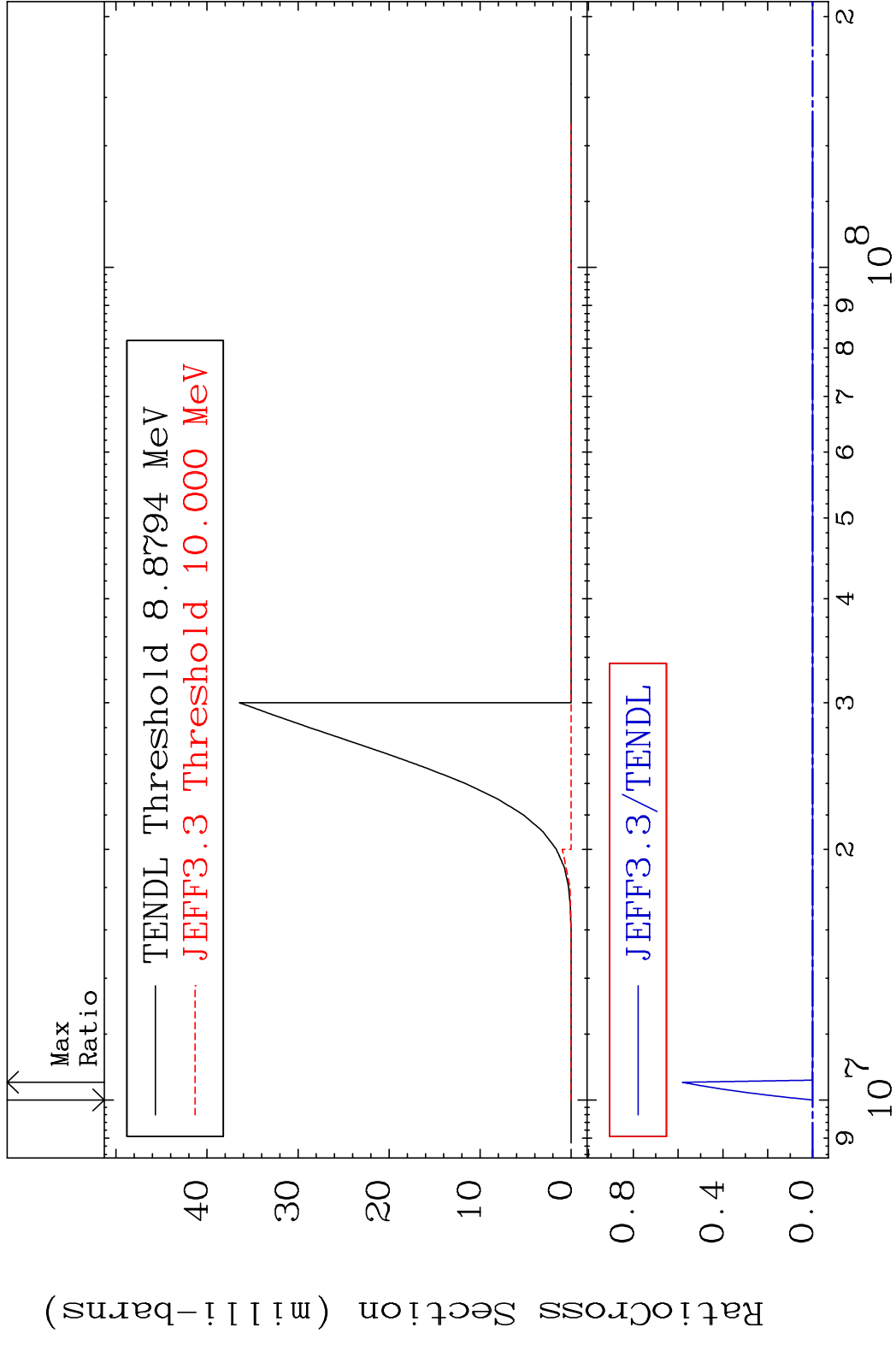


MAT 8049

80-Hg-204

(n, n') p

Cross Section -100.0 To 9999. %

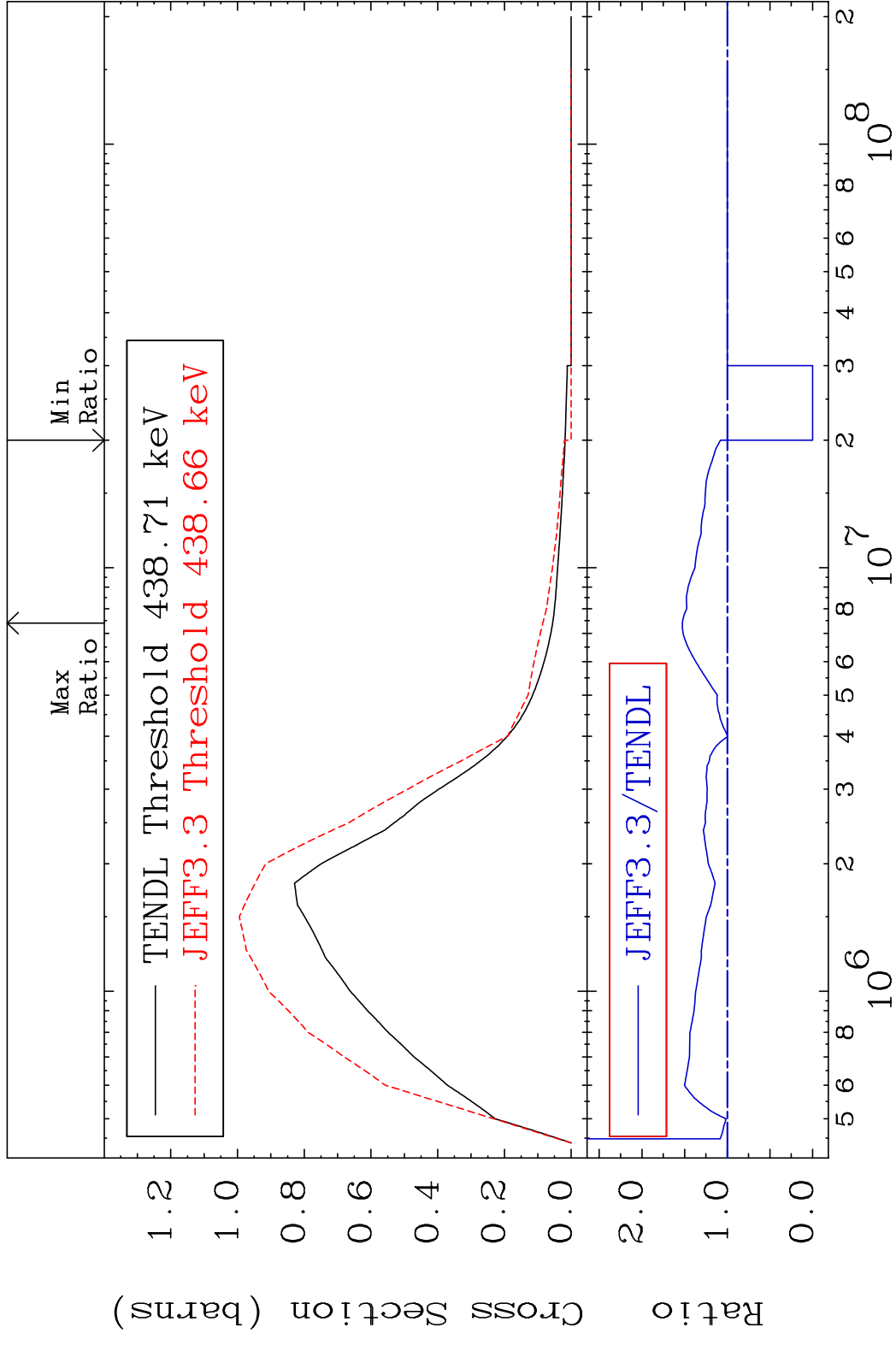


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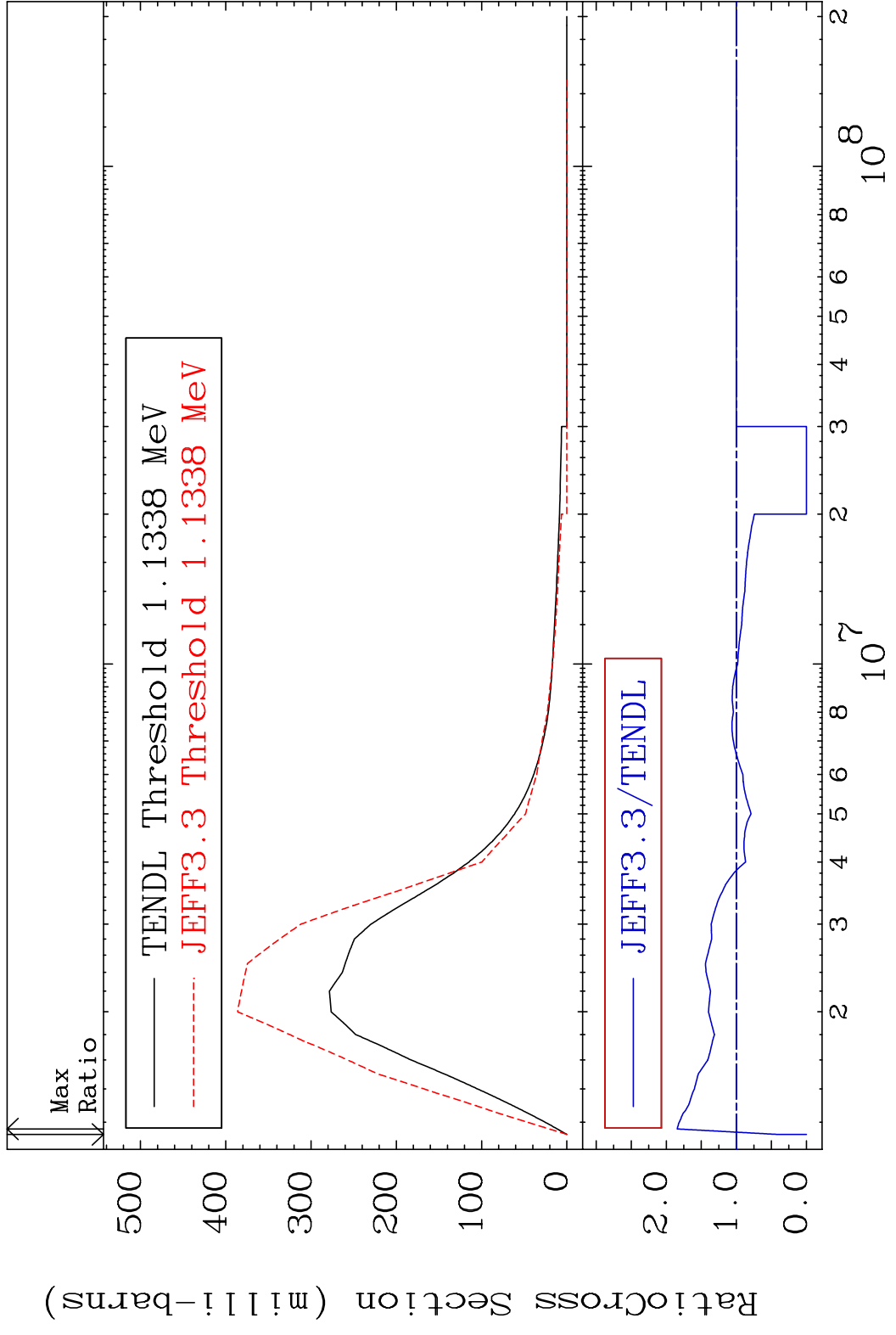
80-Hg-204

80-Hg-204

MAT 8049 MT= 51 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 52.61 %

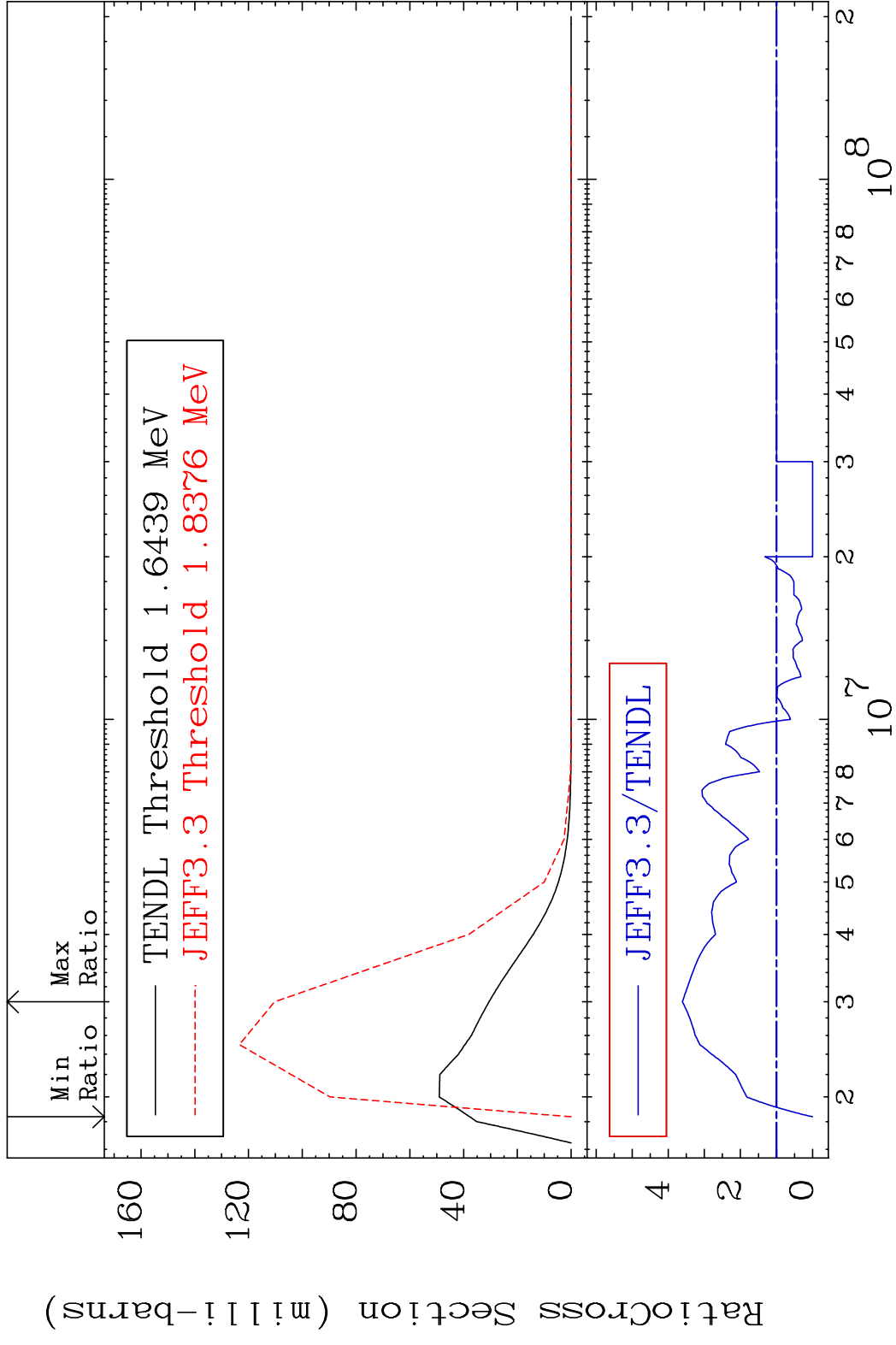


MAT 8049 MT= 52 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 84.42 %

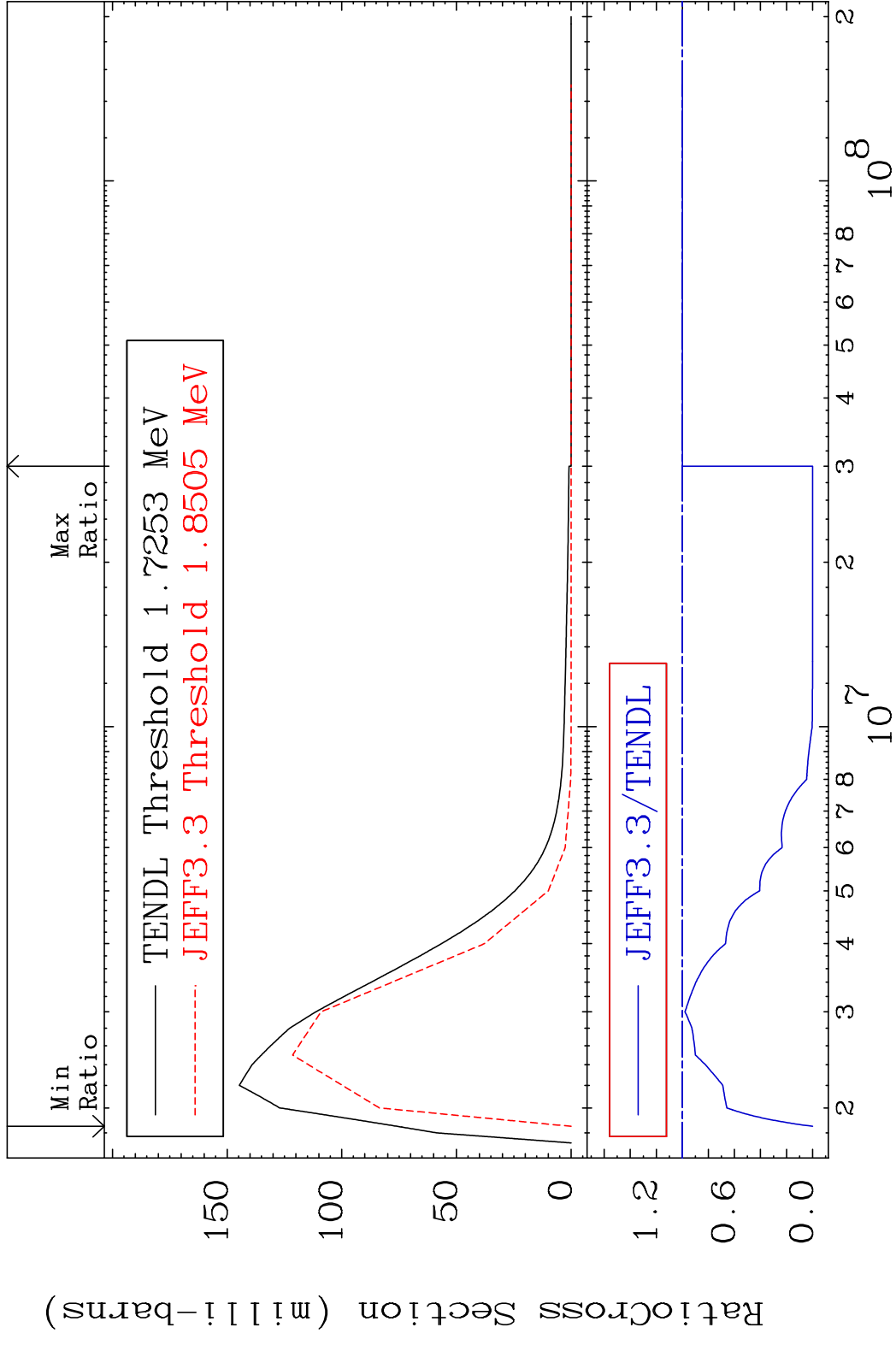


10 Incident Energy (eV) 80-Hg-204

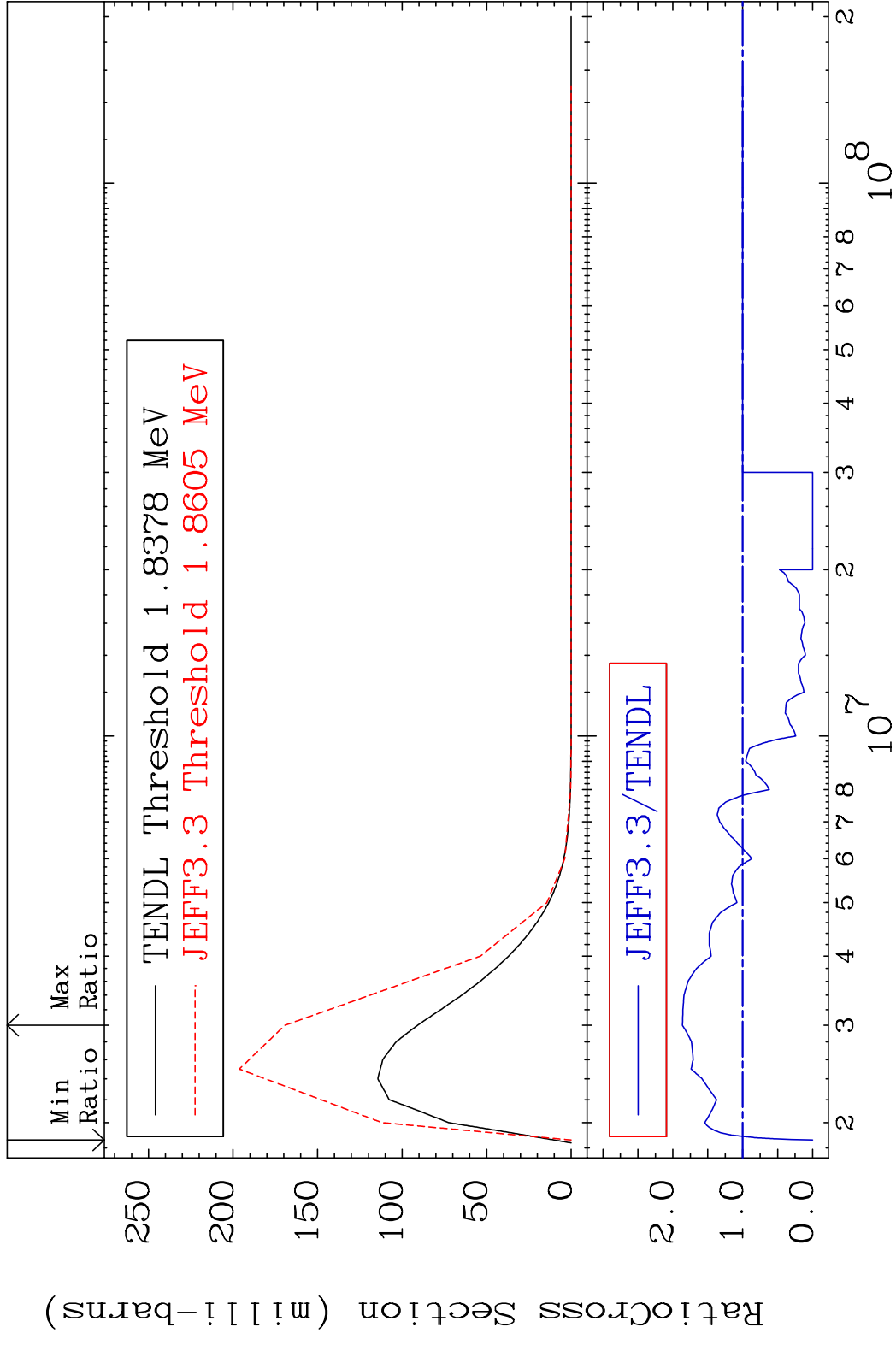
MAT 8049 MT= 53 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 260.9 %



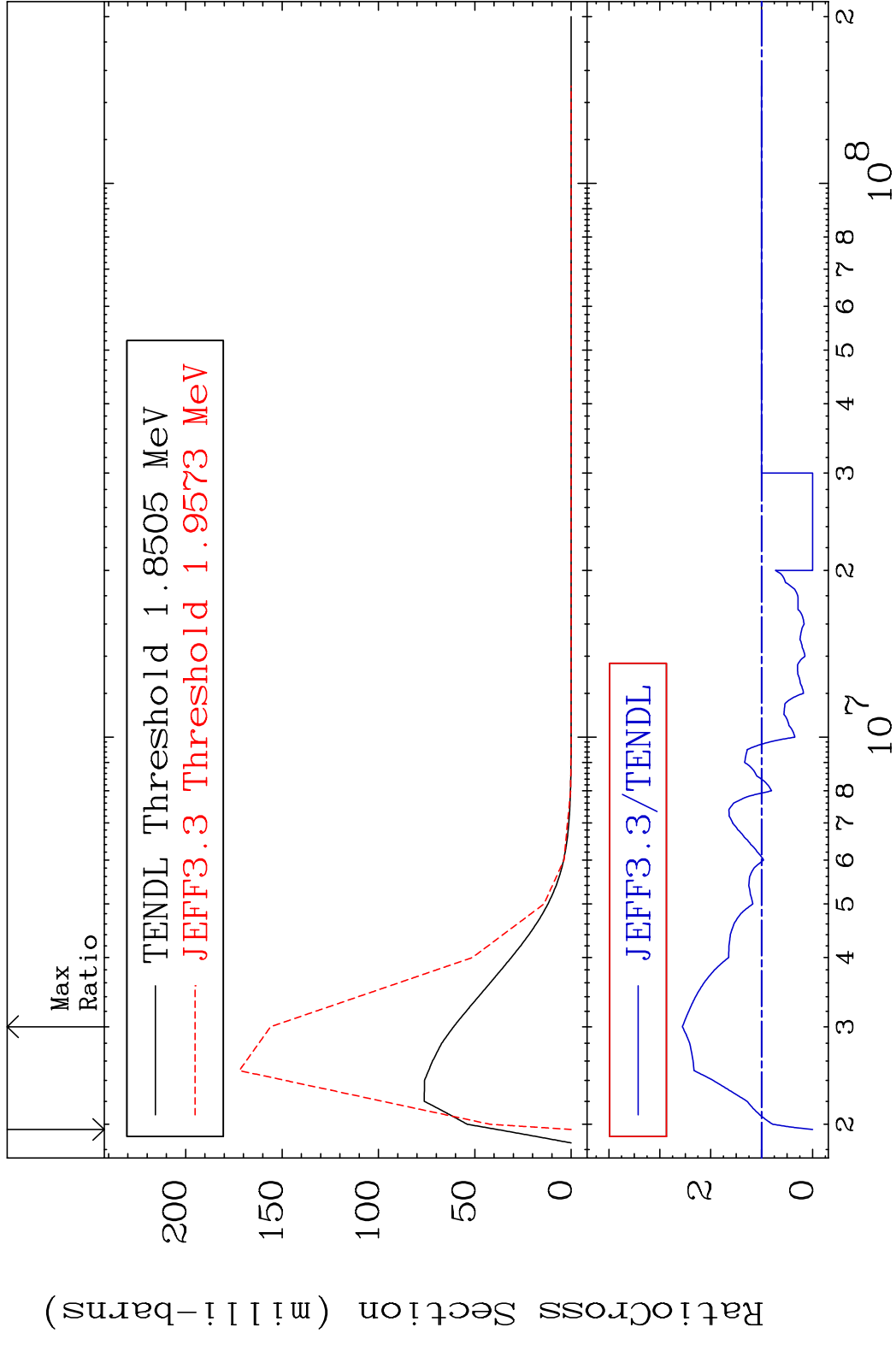
MAT 8049 MT= 54 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 0.000 %



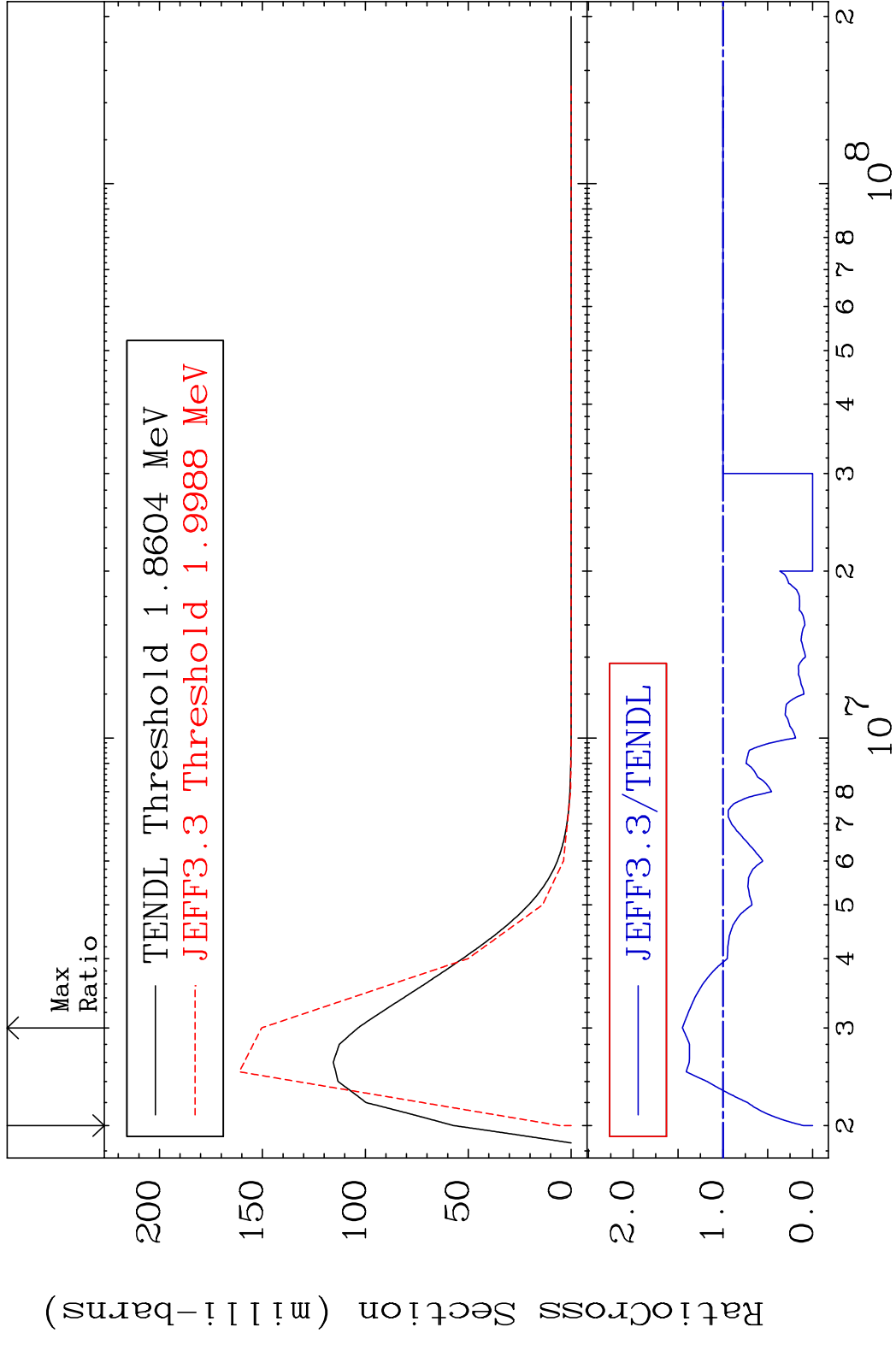
MAT 8049 MT= 55 (n,n') Level 80-Hg-204  
 Cross Section -100.0 To 86.37 %



MAT 8049 MT= 56 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 155.7 %

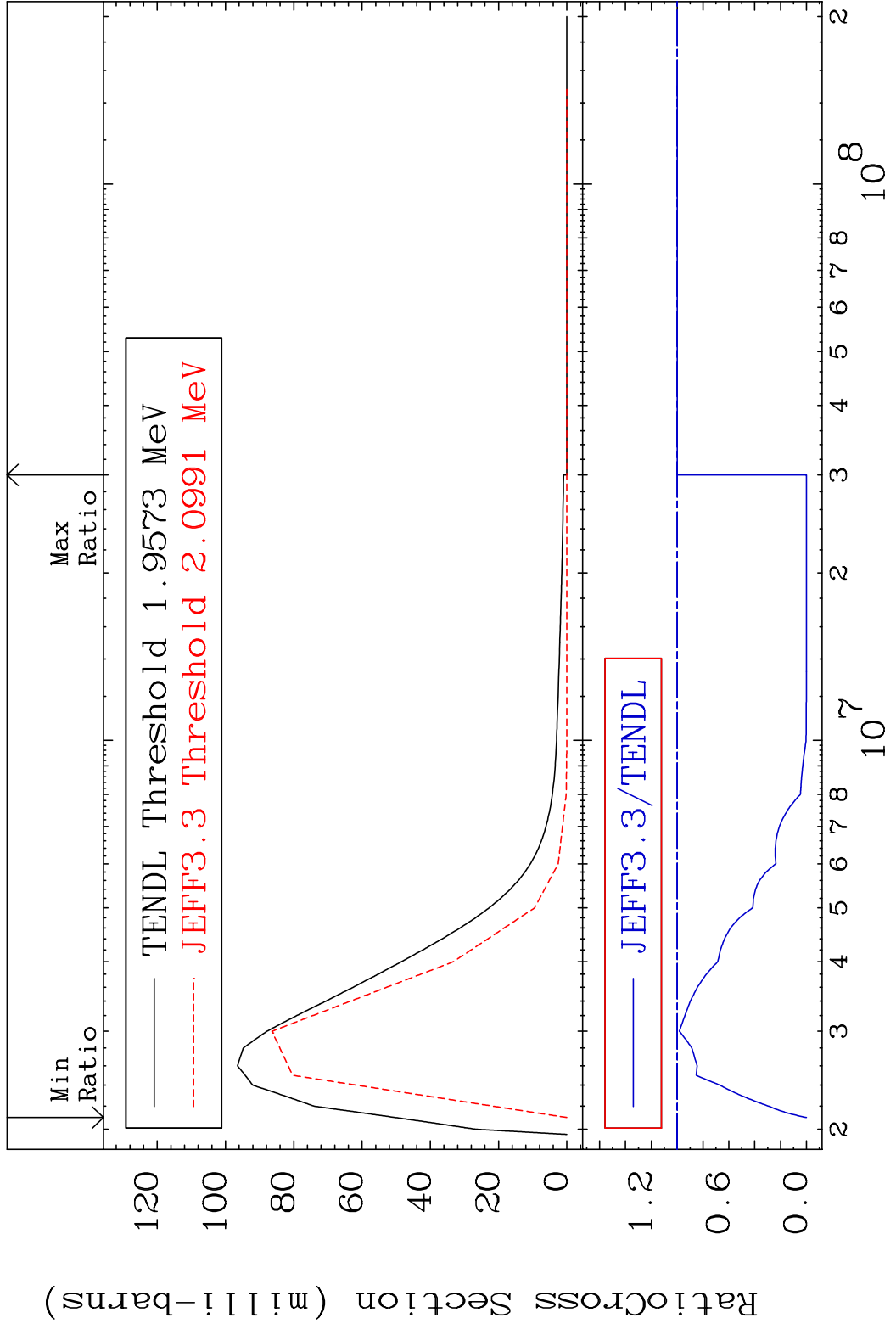


MAT 8049 MT= 57 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 45.19 %

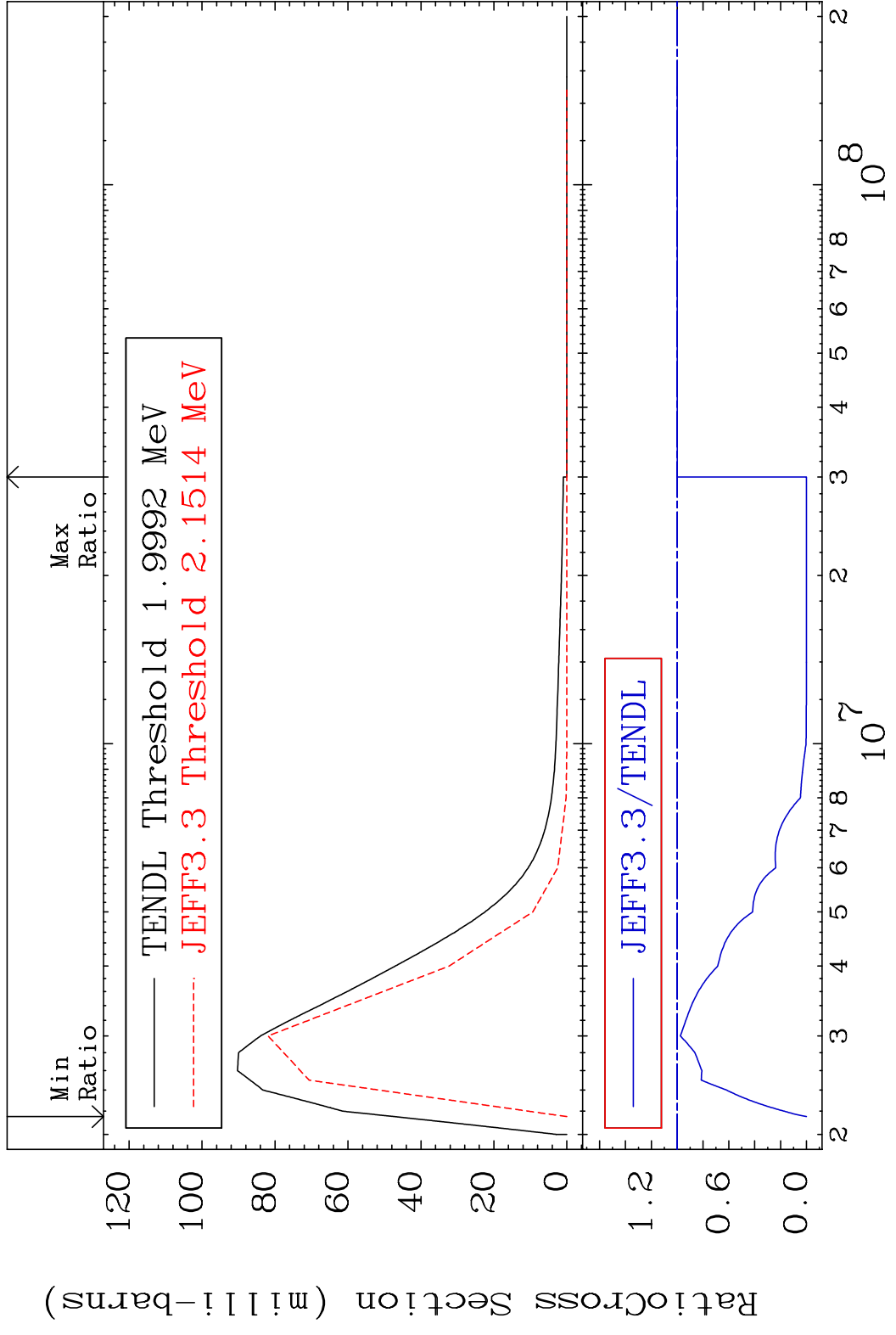




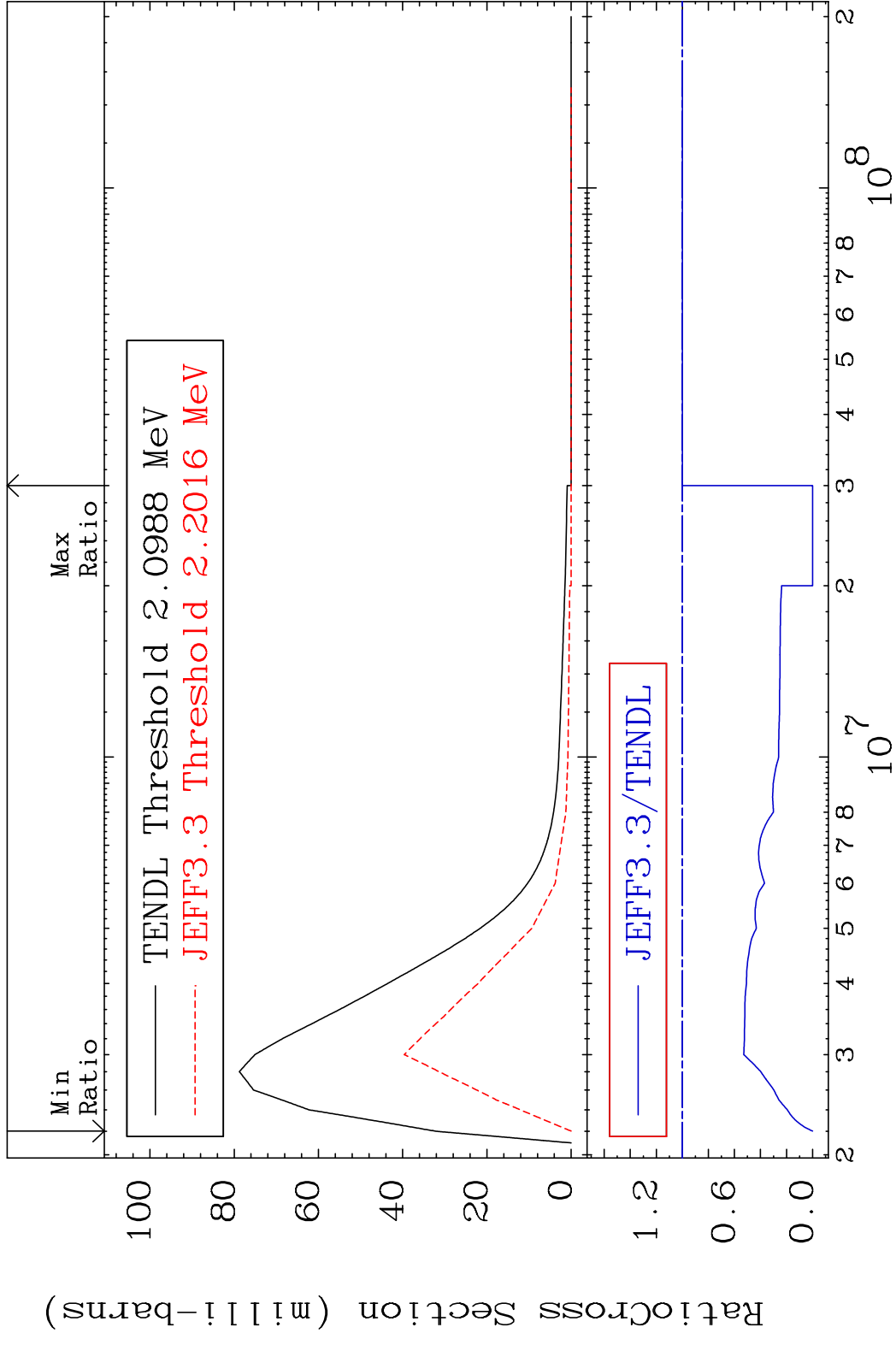
MAT 8049 MT= 58 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 0.000 %



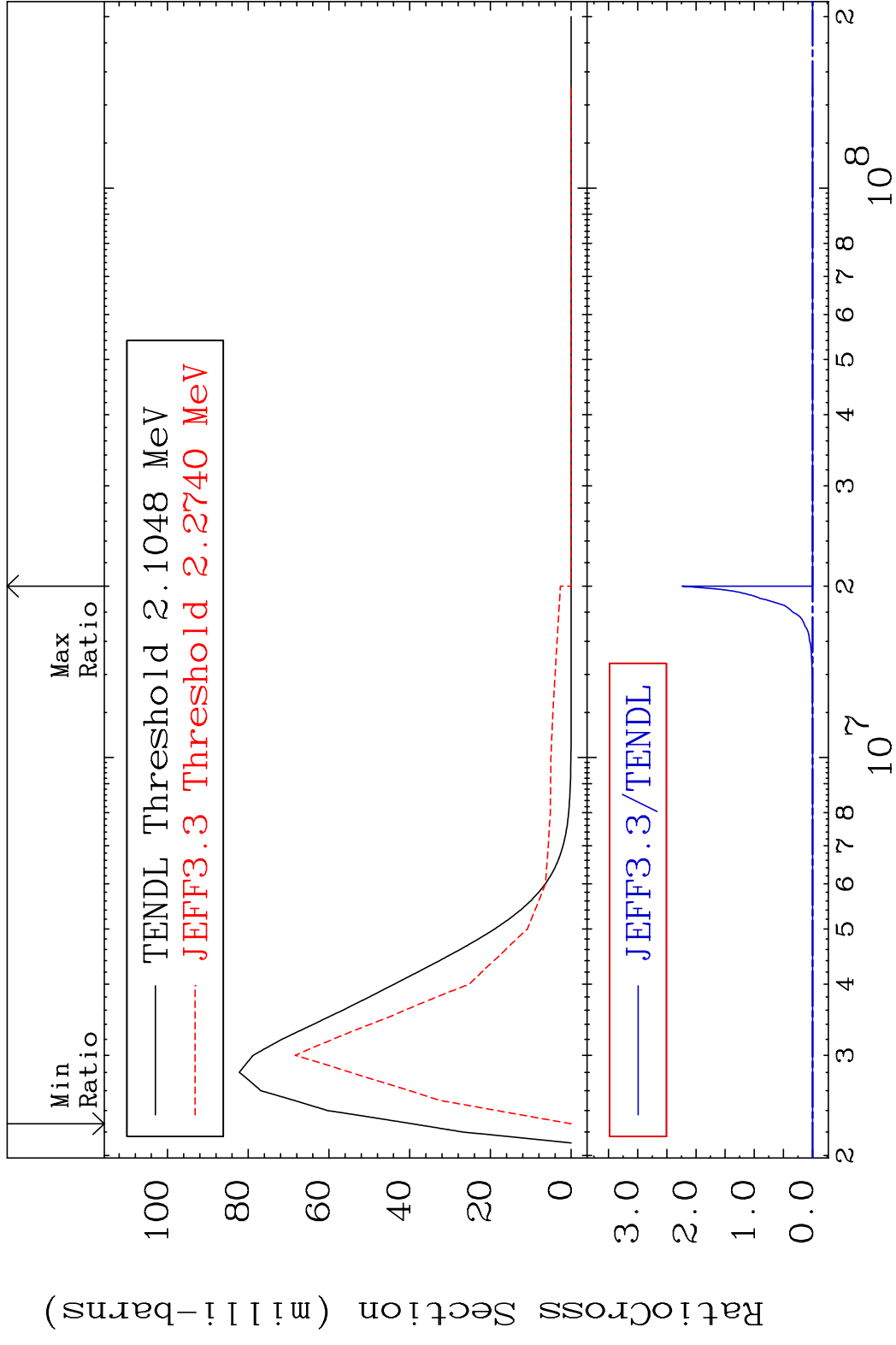
MAT 8049 MT= 59 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 0.000 %



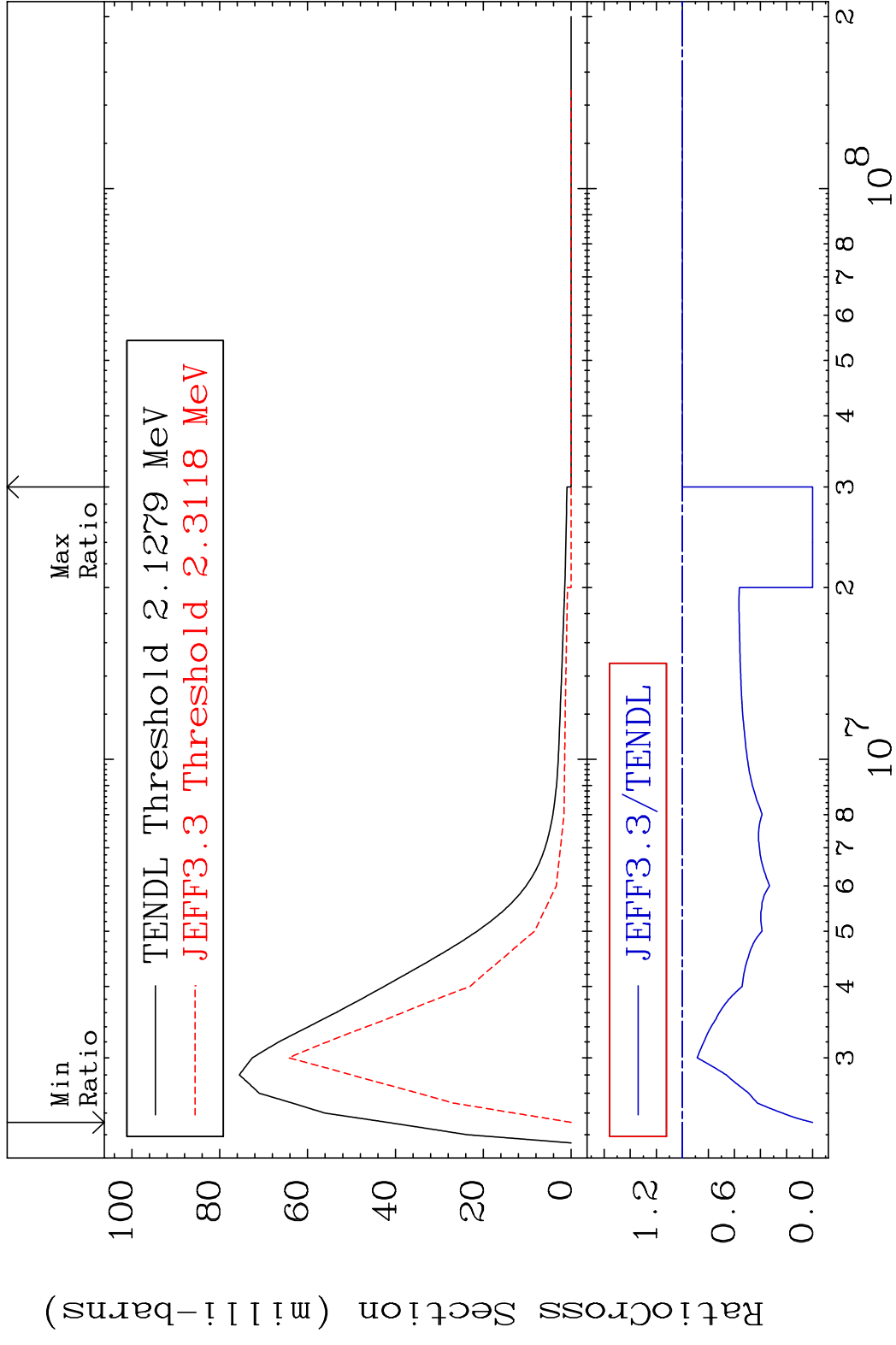
MAT 8049 MT= 60 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 0.000 %



MAT 8049 MT= 61 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 9999. %

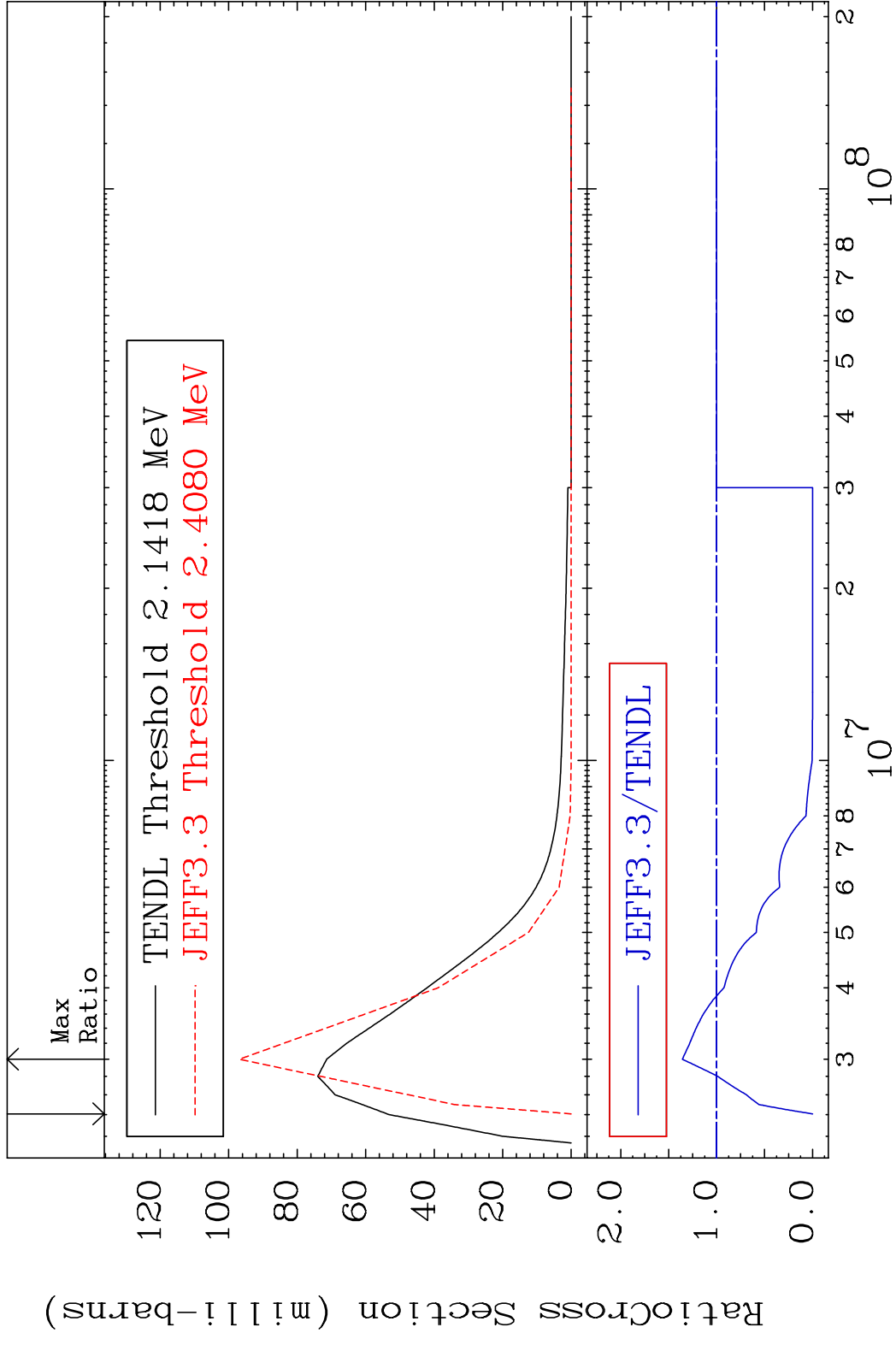


MAT 8049 MT= 62 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 0.000 %

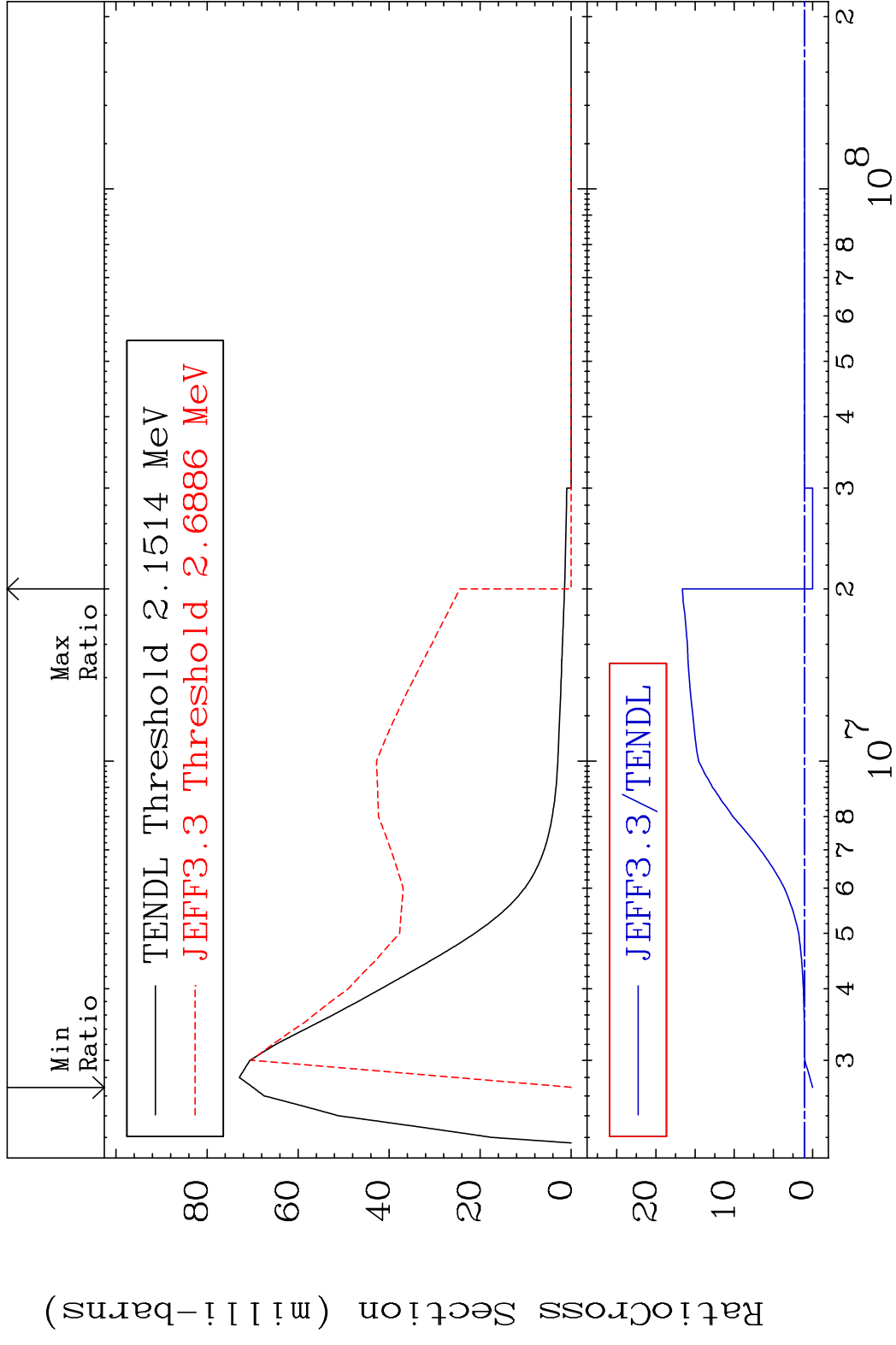


20 80-Hg-204

MAT 8049 MT= 63 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 35.75 %

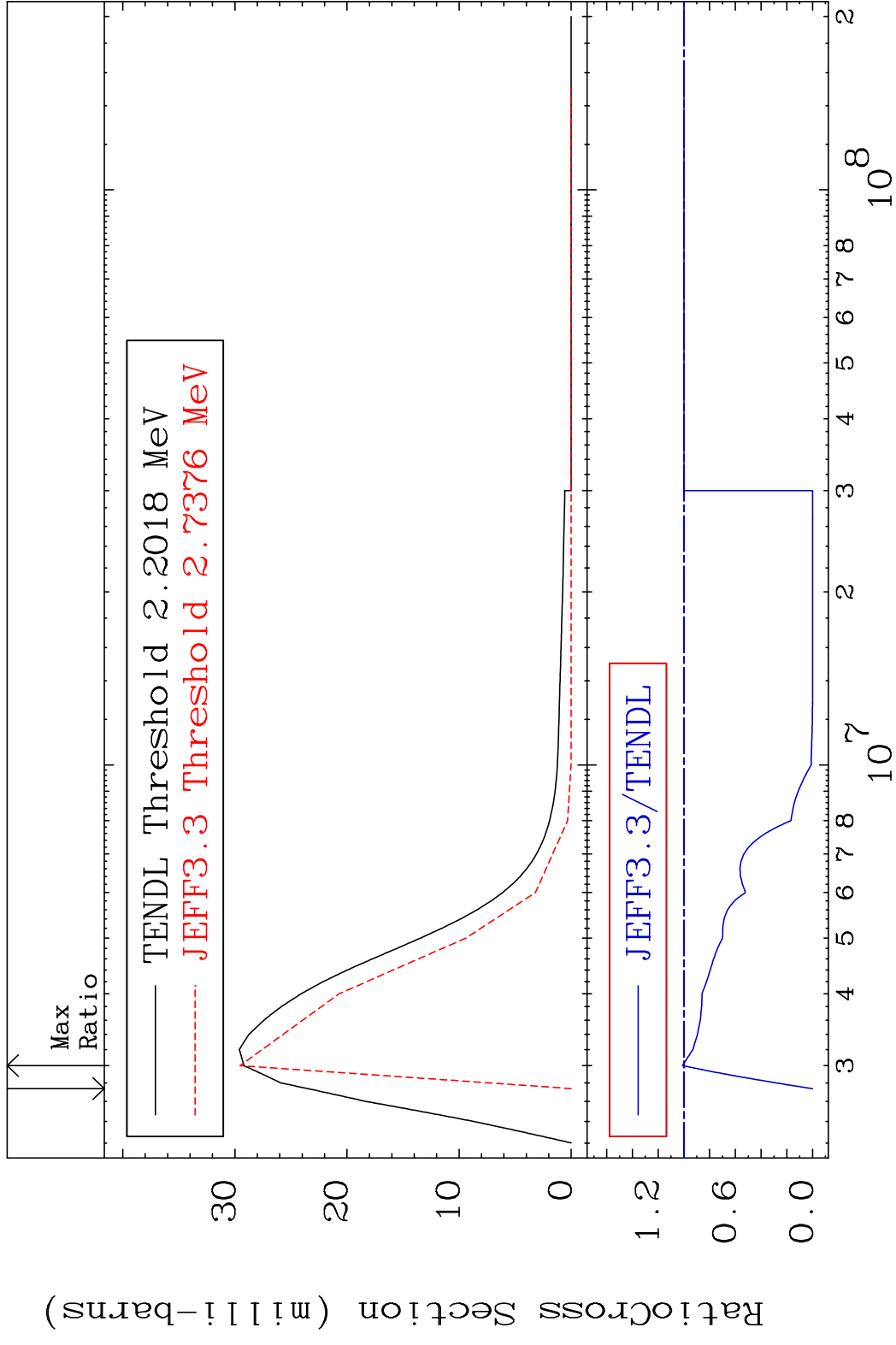


MAT 8049 MT= 64 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 1563. %



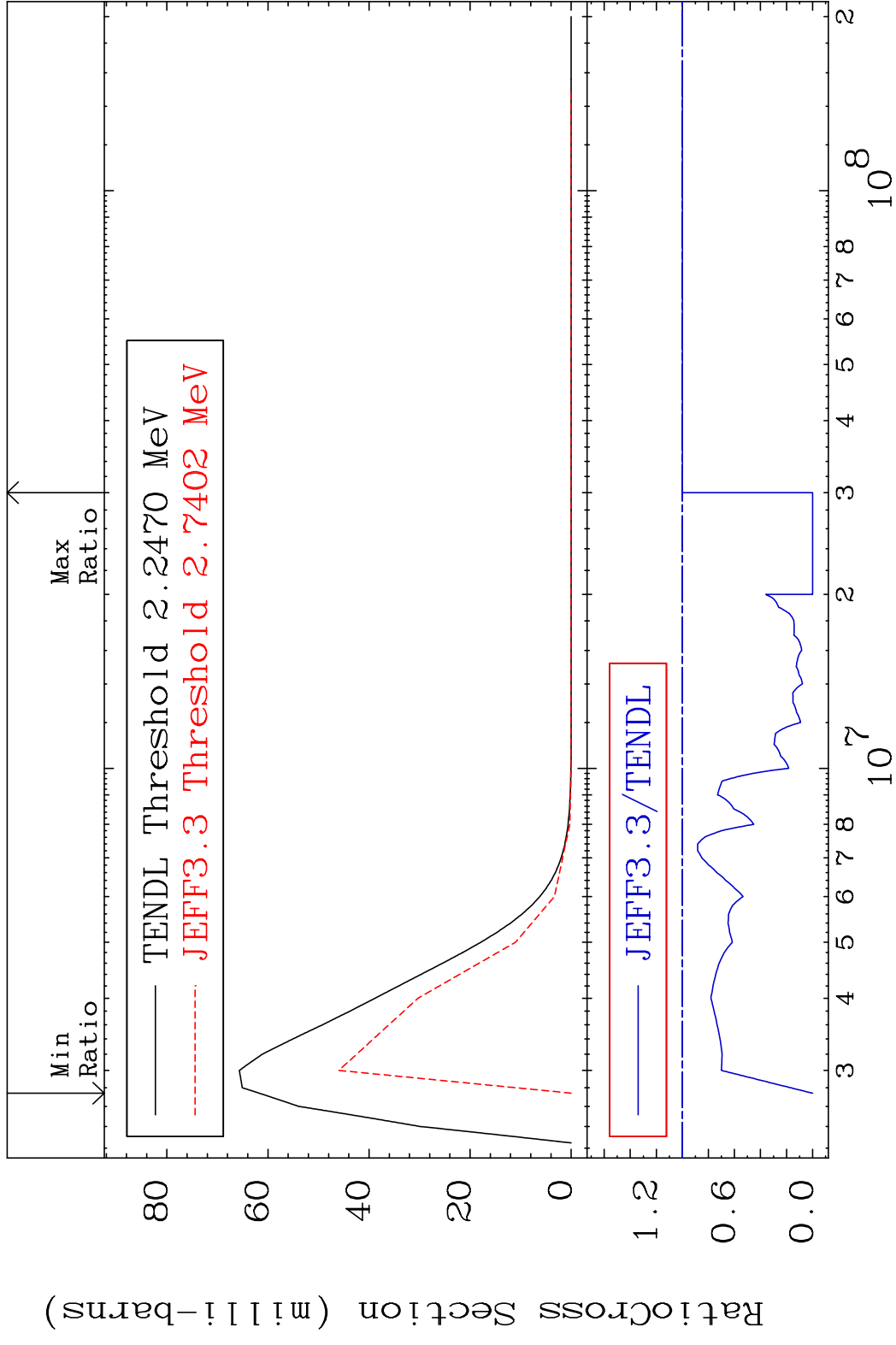
82 Incident Energy (eV) 80-Hg-204

MAT 8049 MT= 65 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 1.209 %

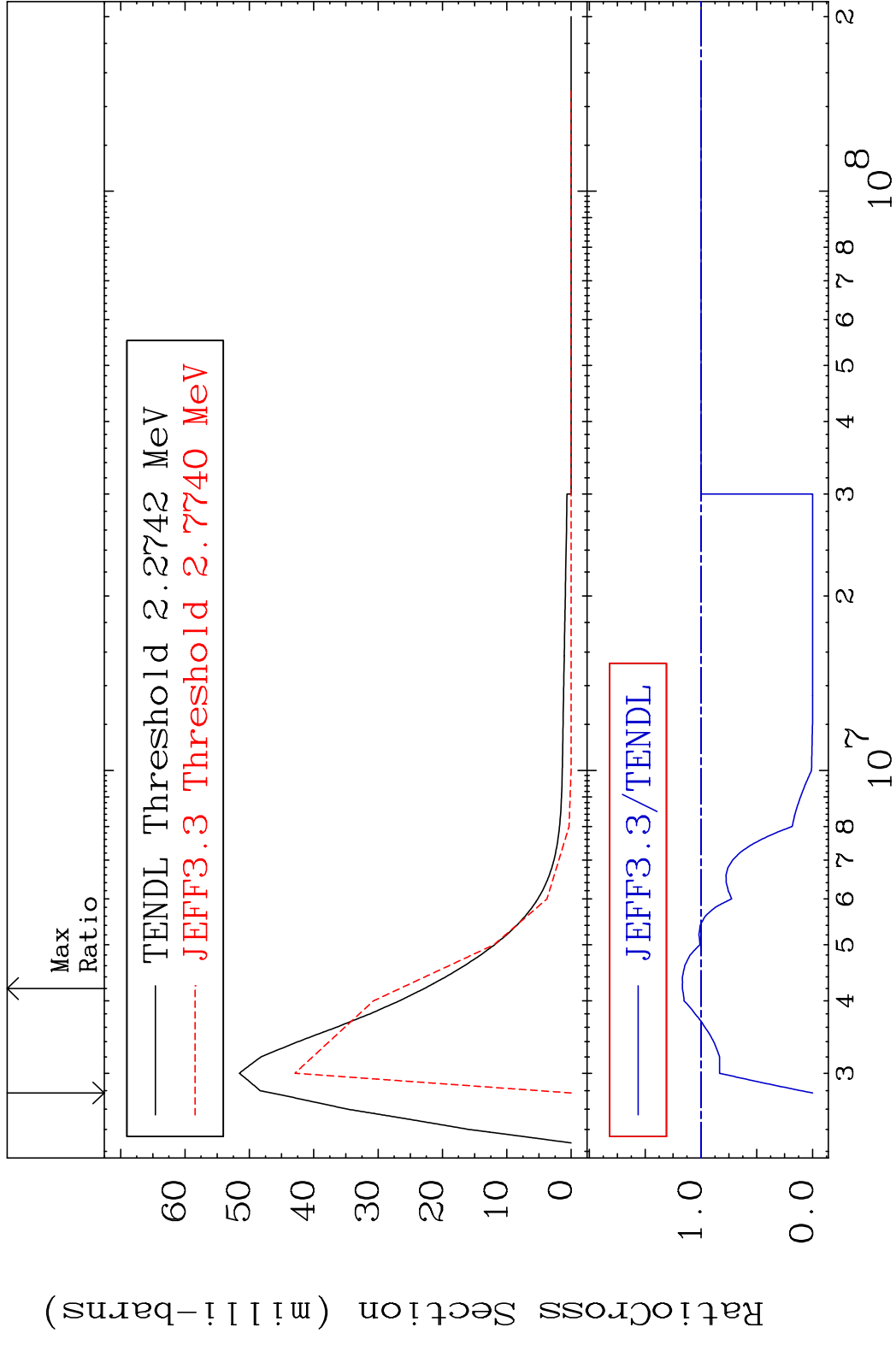




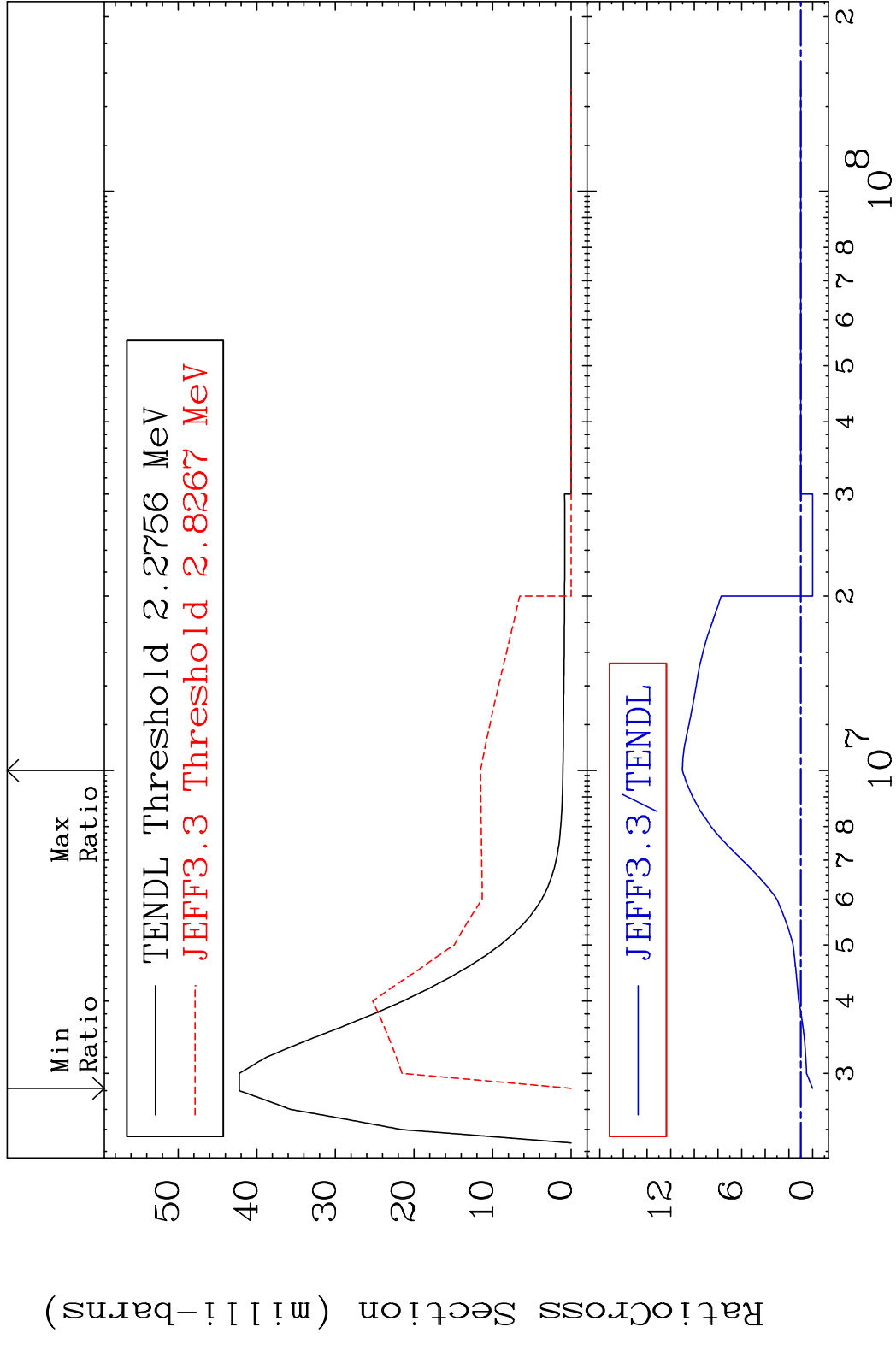
MAT 8049 MT= 66 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 0.000 %



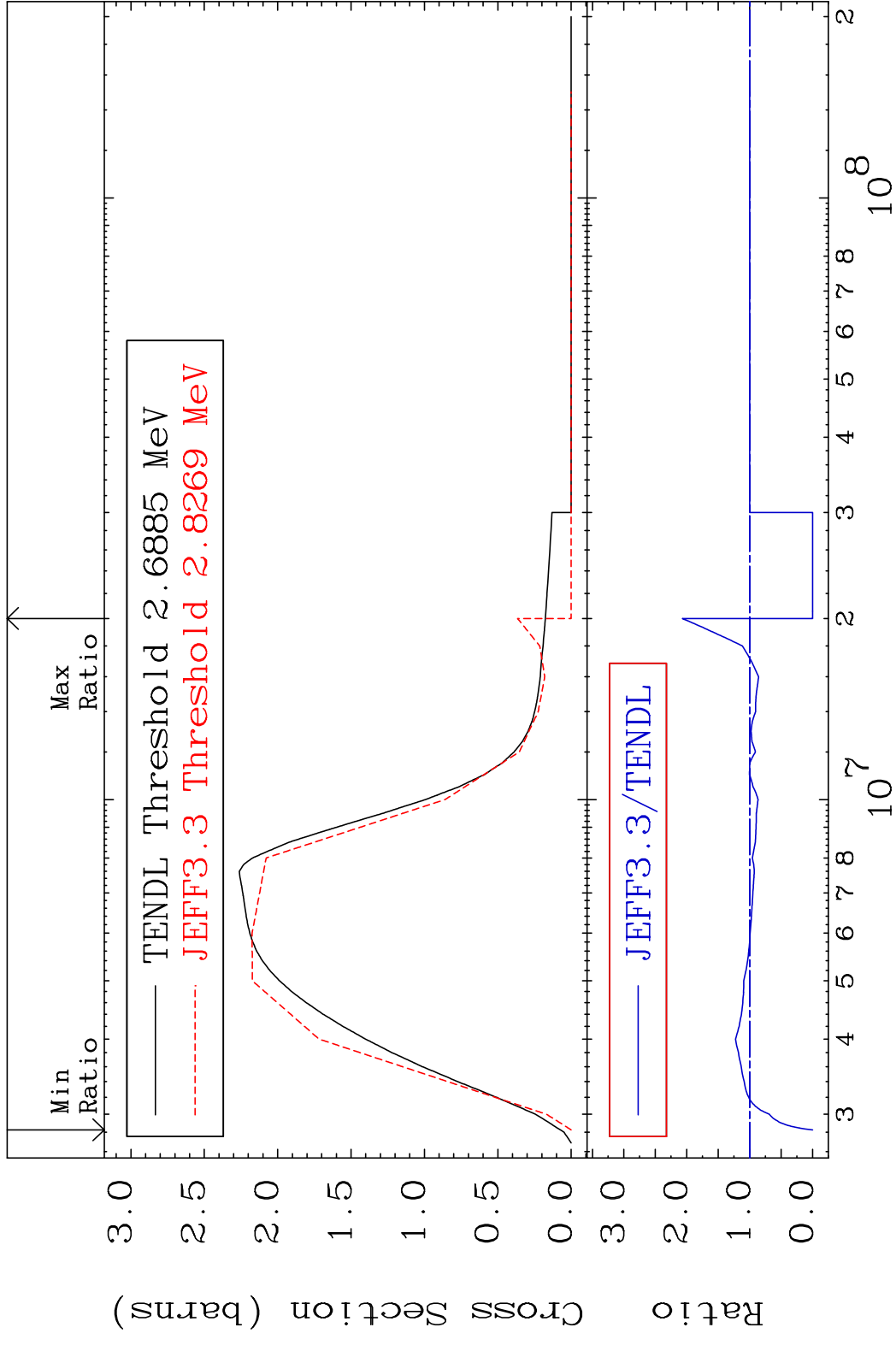
MAT 8049 MT= 67 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 16.69 %



MAT 8049 MT= 68 (n, n') Level 80-Hg-204  
 Cross Section -100.0 To 1001. %



MAT 8049 (n,n') Continuum 80-Hg-204  
 Cross Section -100.0 To 107.0 %

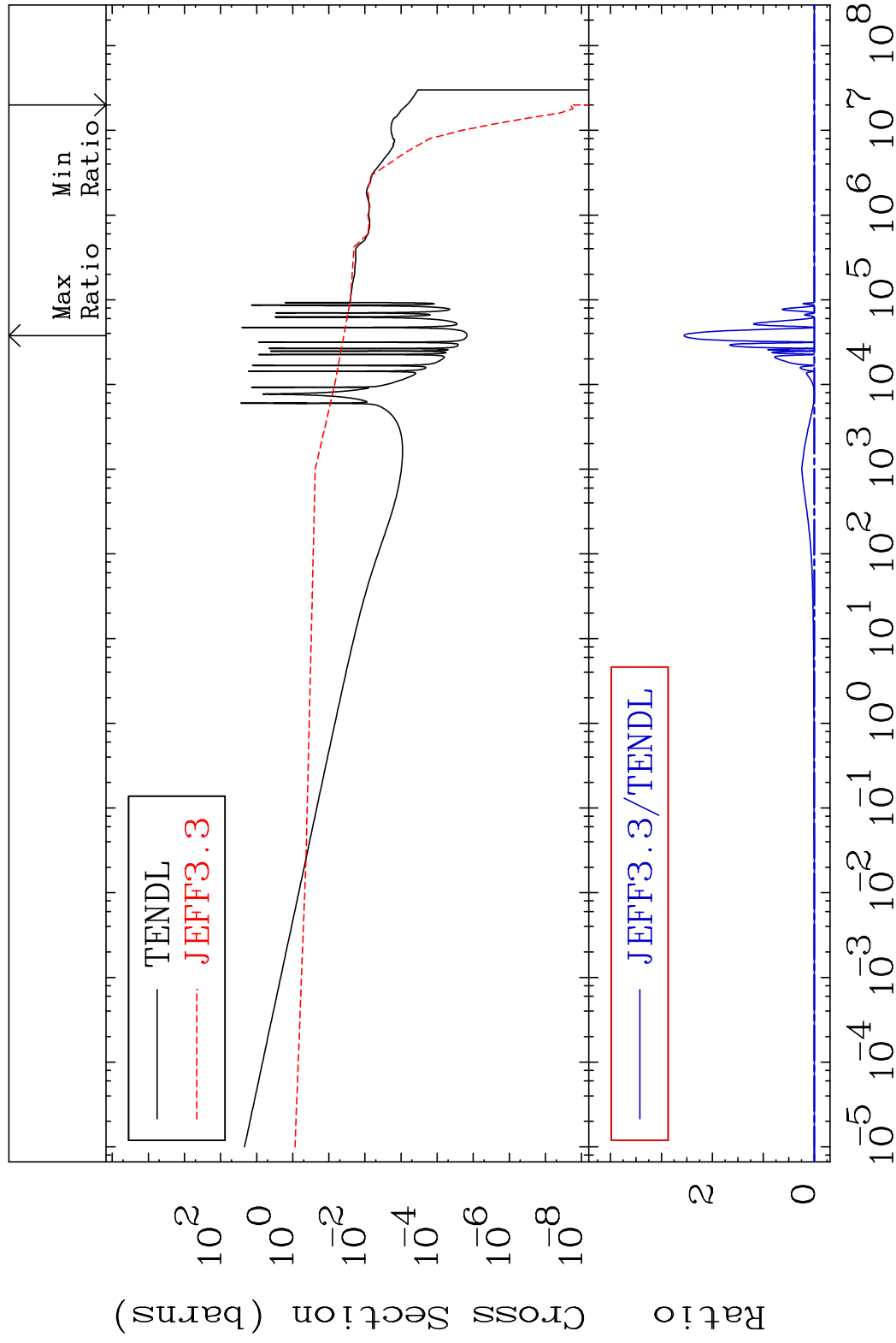


MAT 8049

(n,  $\gamma$ )

80-Hg-204

Cross Section -100.0 To 9999. %



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Incident Energy (eV)

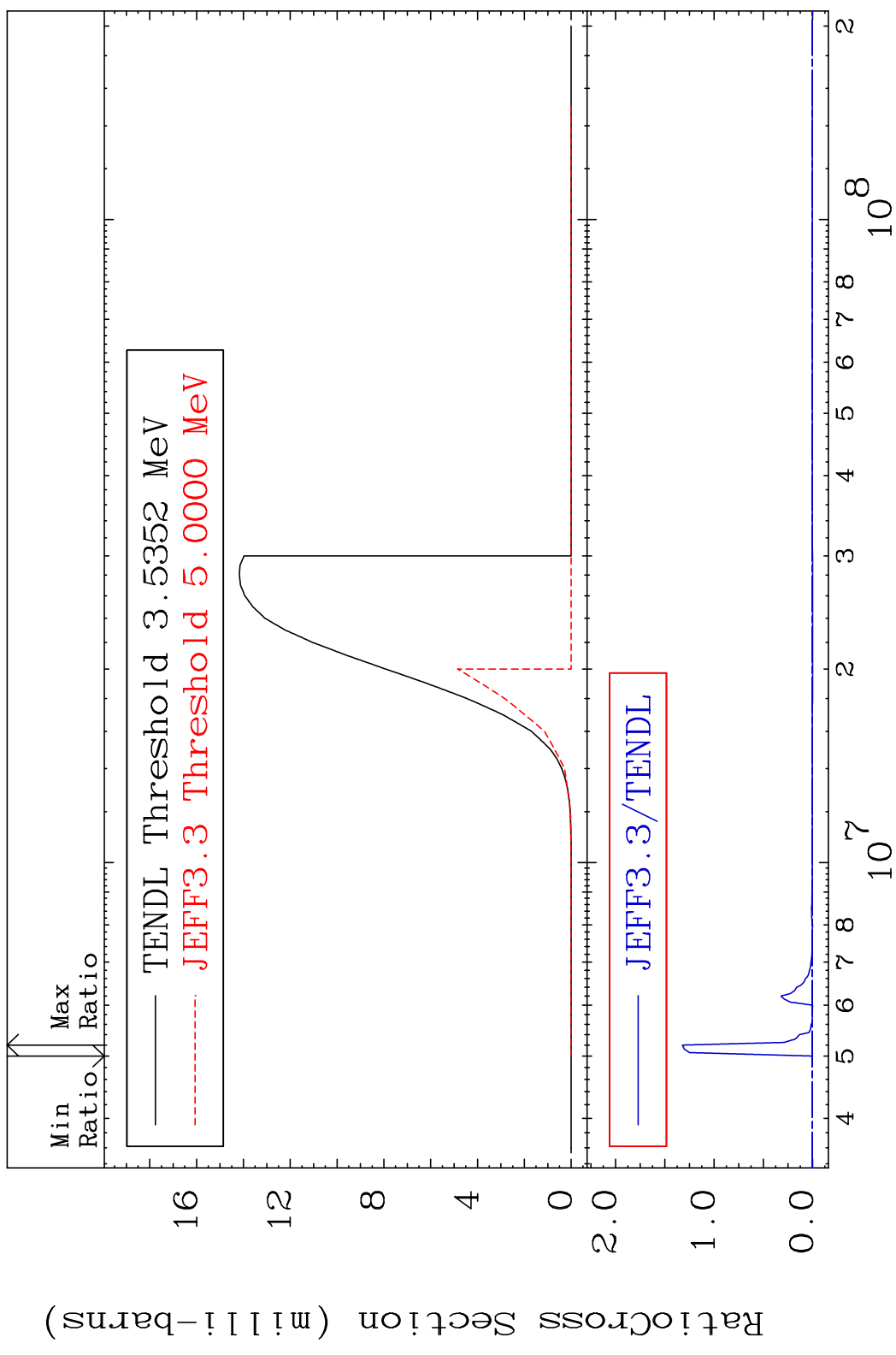
80-Hg-204

MAT 8049

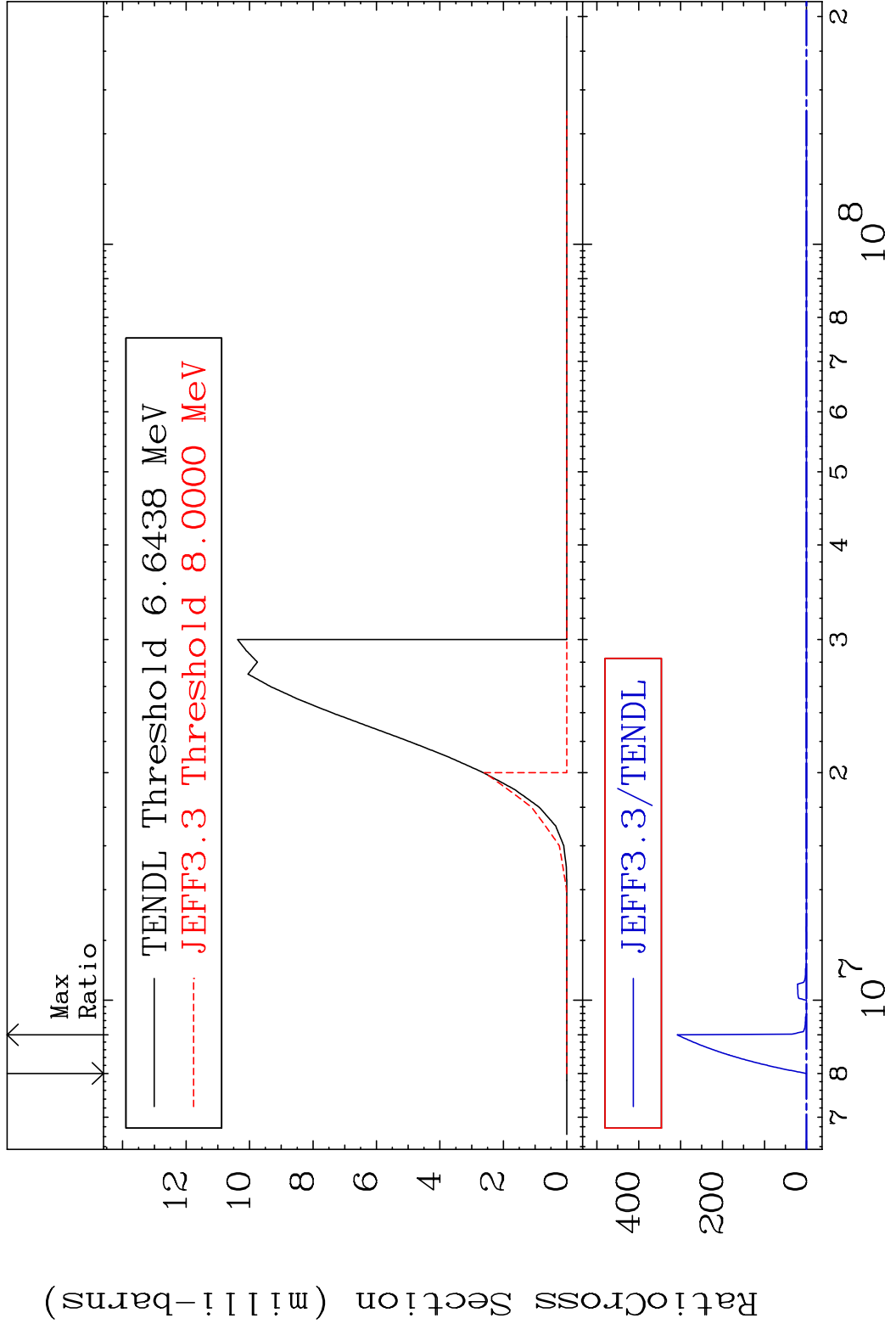
(n,p)

80-Hg-204

Cross Section -100.0 To 9999. %



MAT 8049 (n,d) 80-Hg-204  
 Cross Section -100.0 To 9999. %



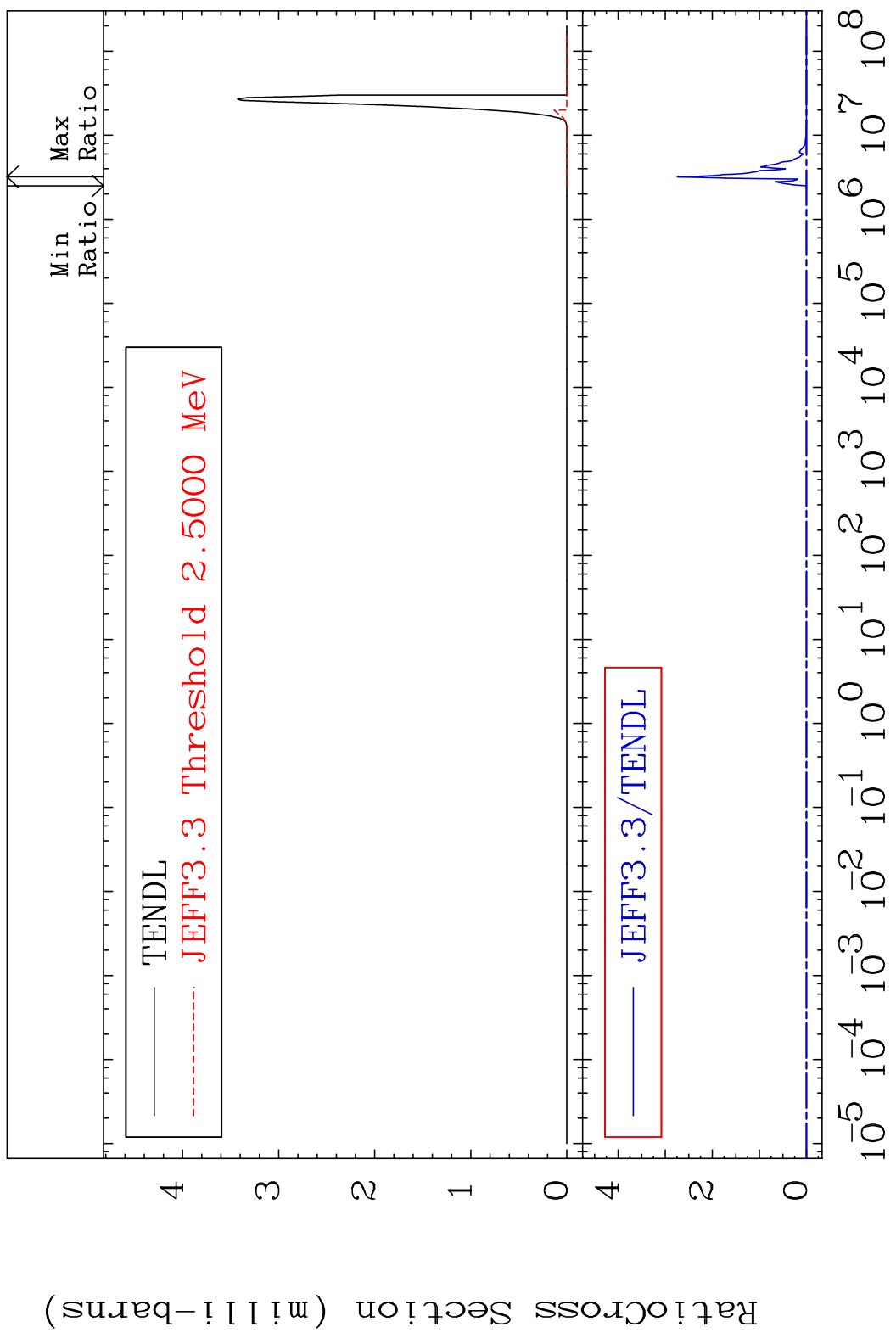
30 80-Hg-204

MAT 8049

(n,  $\alpha$ )

80-Hg-204

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

80-Hg-204

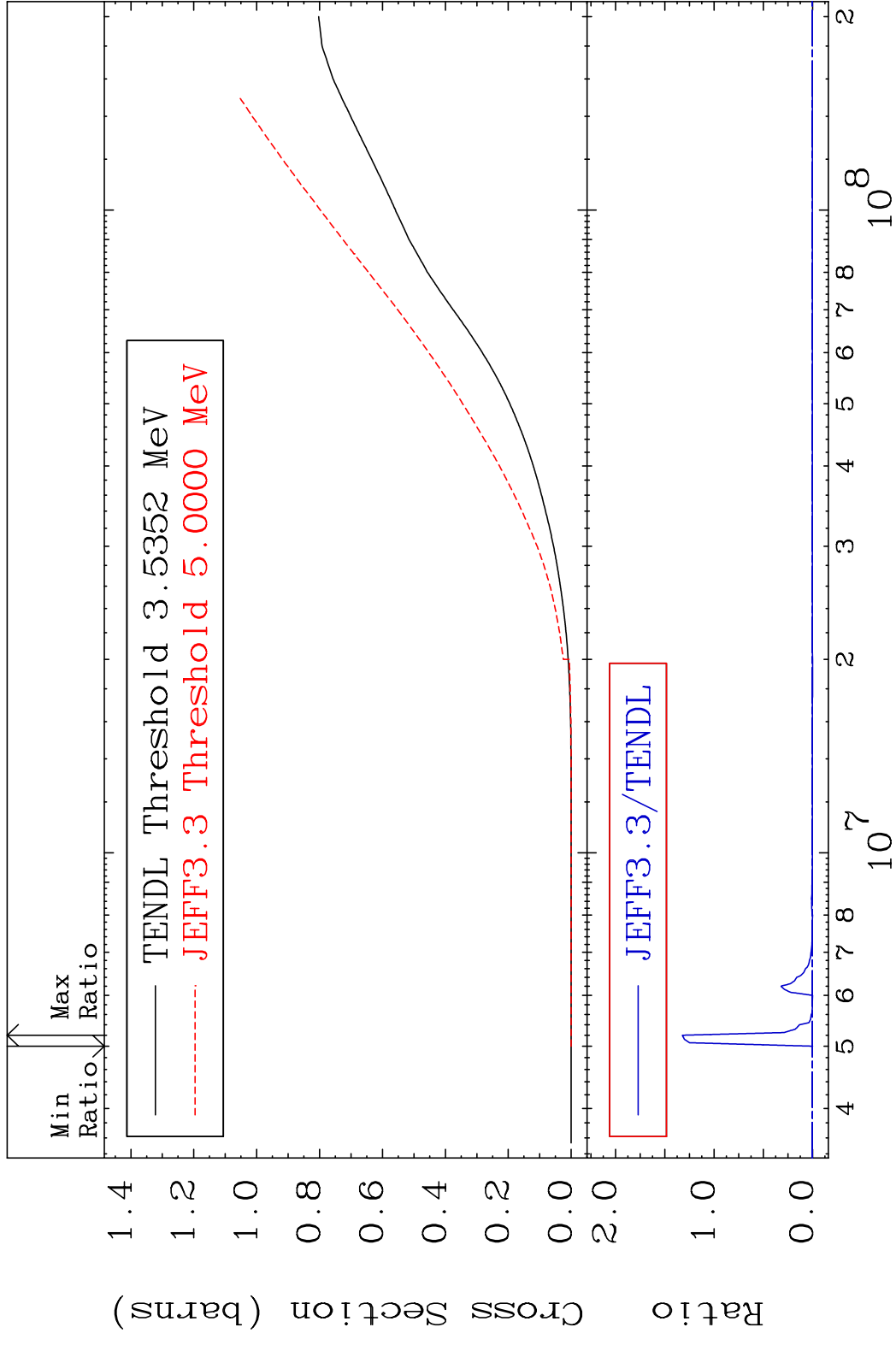


MAT 8049

Hydrogen Production

80-Hg-204

Cross Section -100.0 To 9999. %

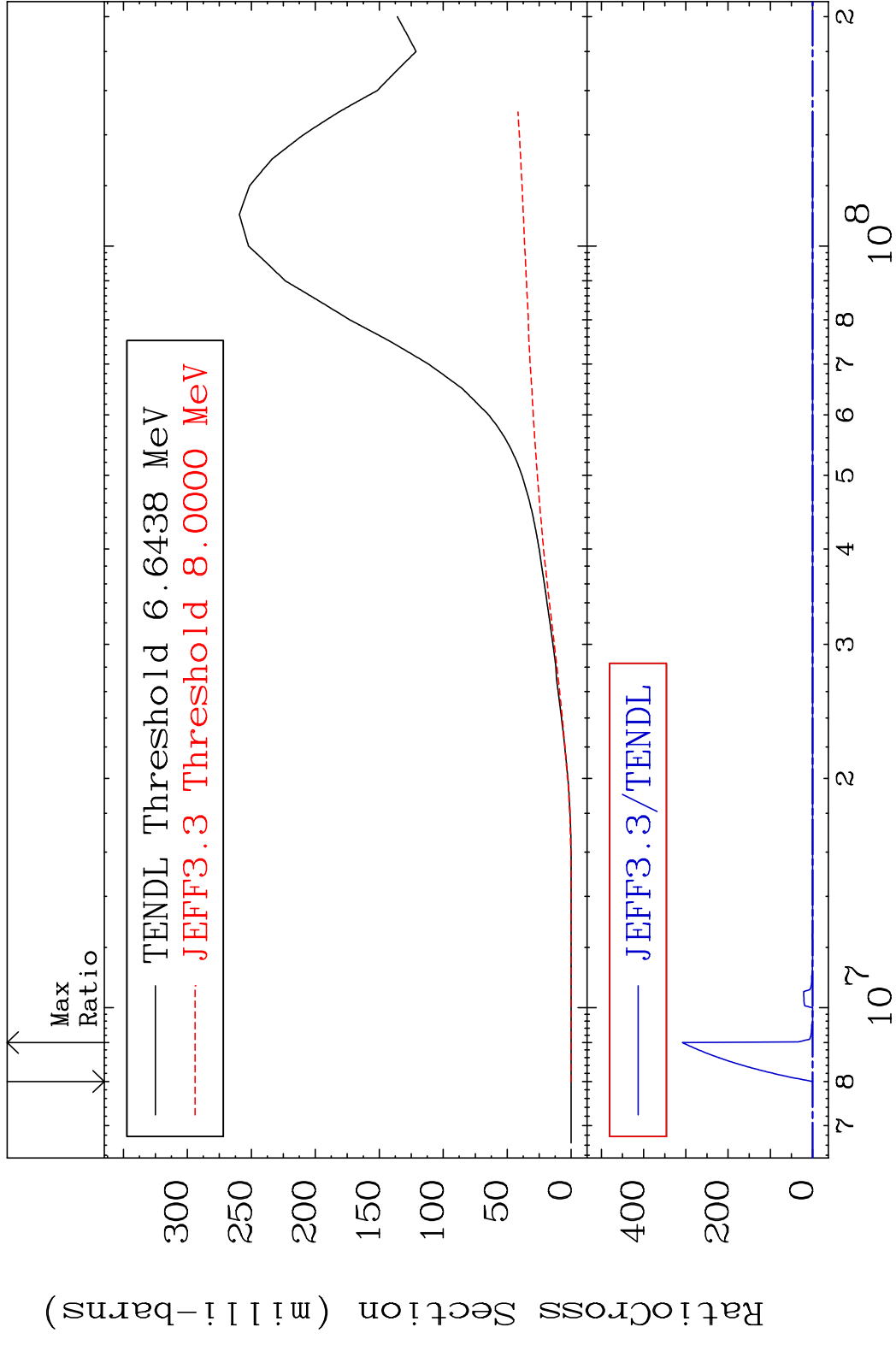


MAT 8049

Deuterium Production

80-Hg-204

Cross Section -100.0 To 9999. %

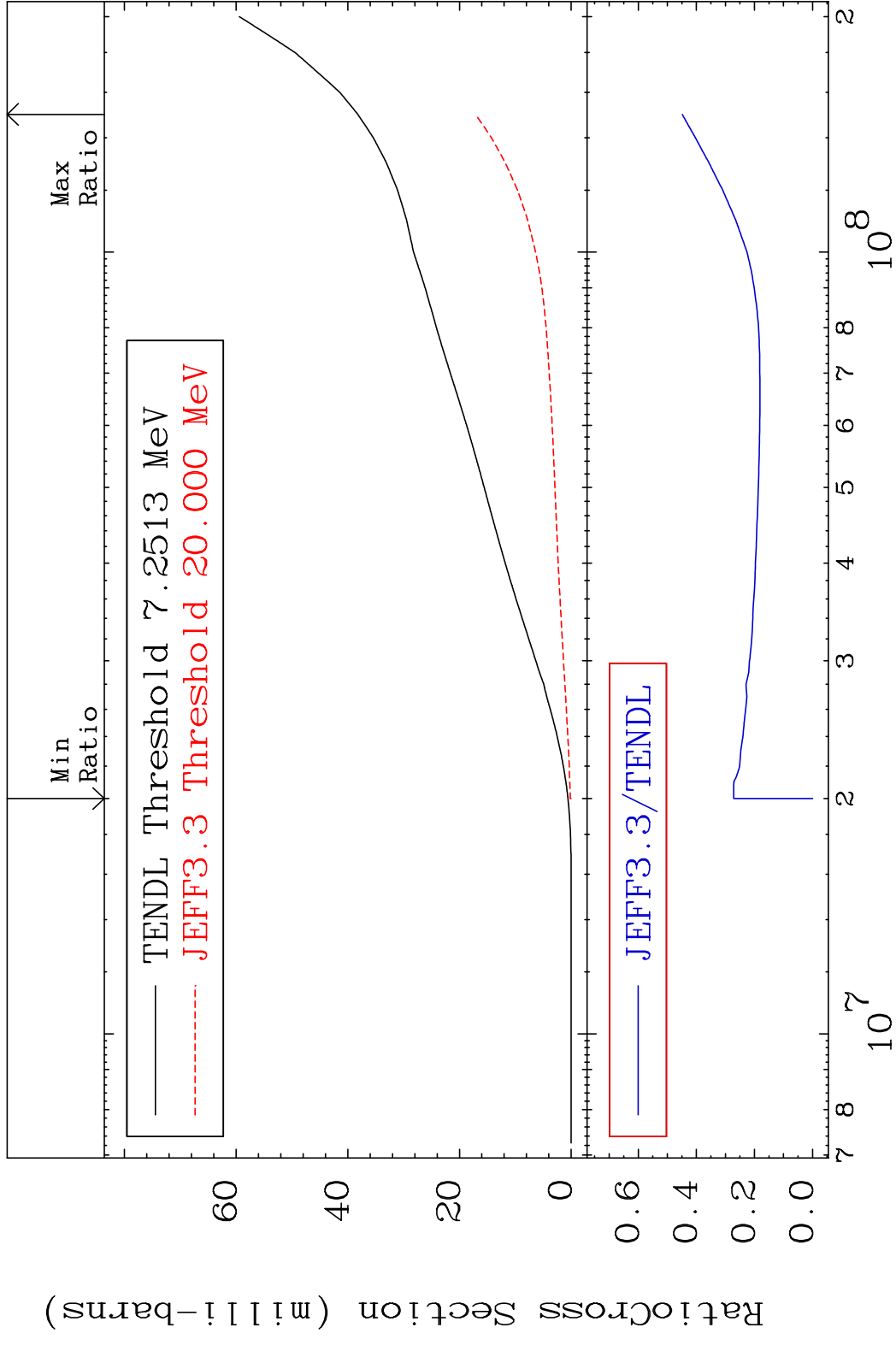


33

Incident Energy (eV)

80-Hg-204

MAT 8049 Tritium Production 80-Hg-204  
 Cross Section -100.0 To -55.18%

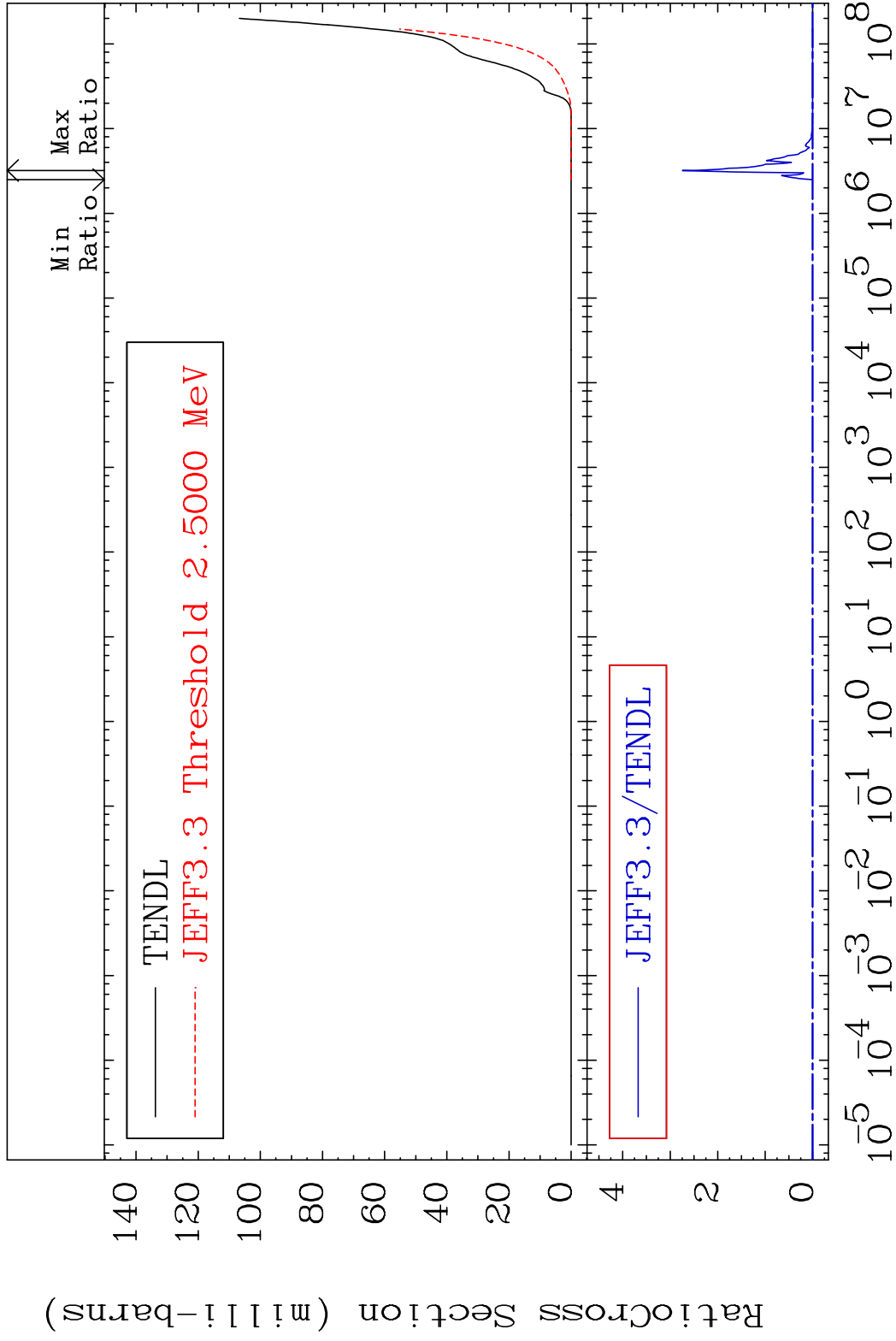


MAT 8049

He-4 Production

80-Hg-204

Cross Section -100.0 To 9999. %

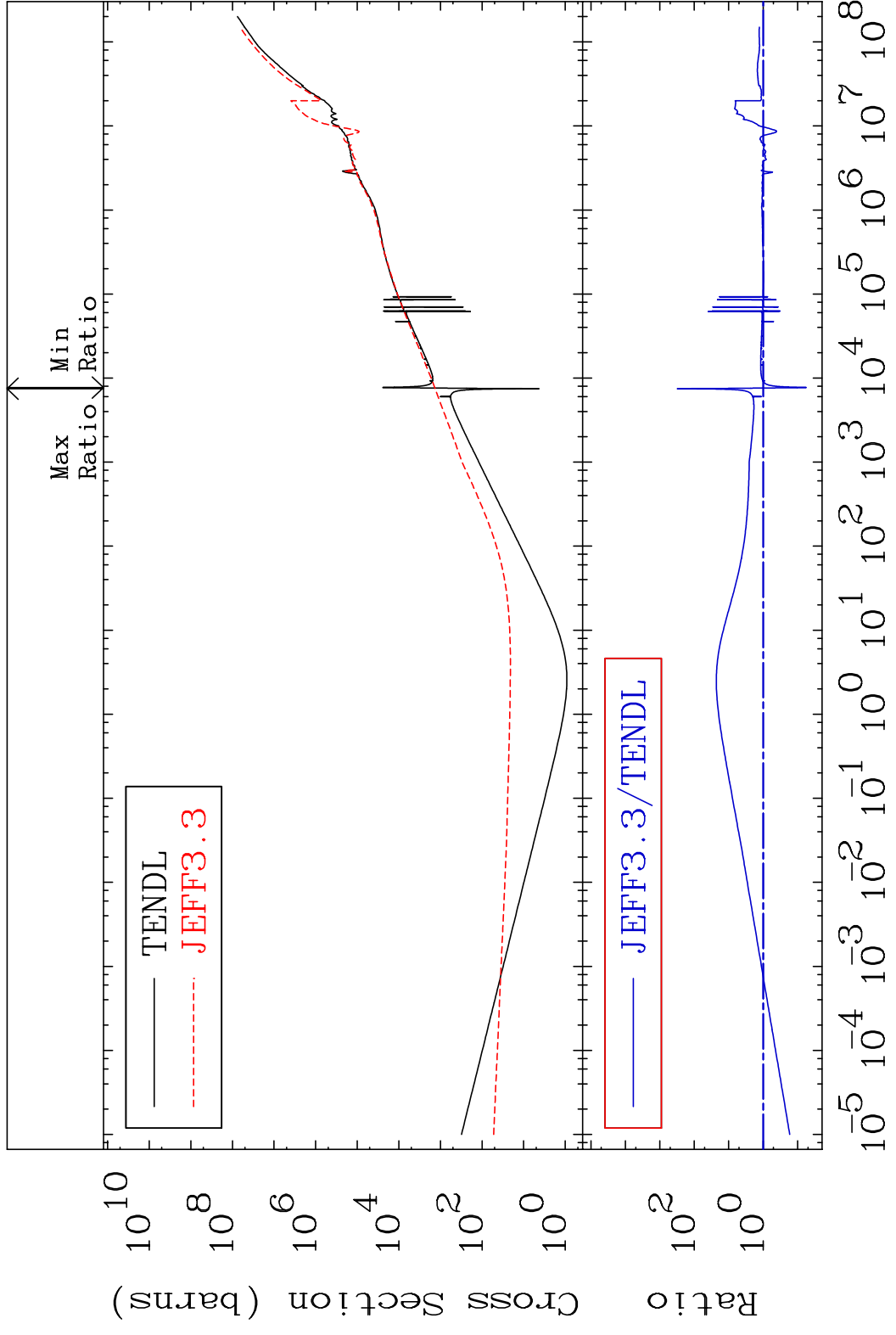


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Incident Energy (eV)

80-Hg-204

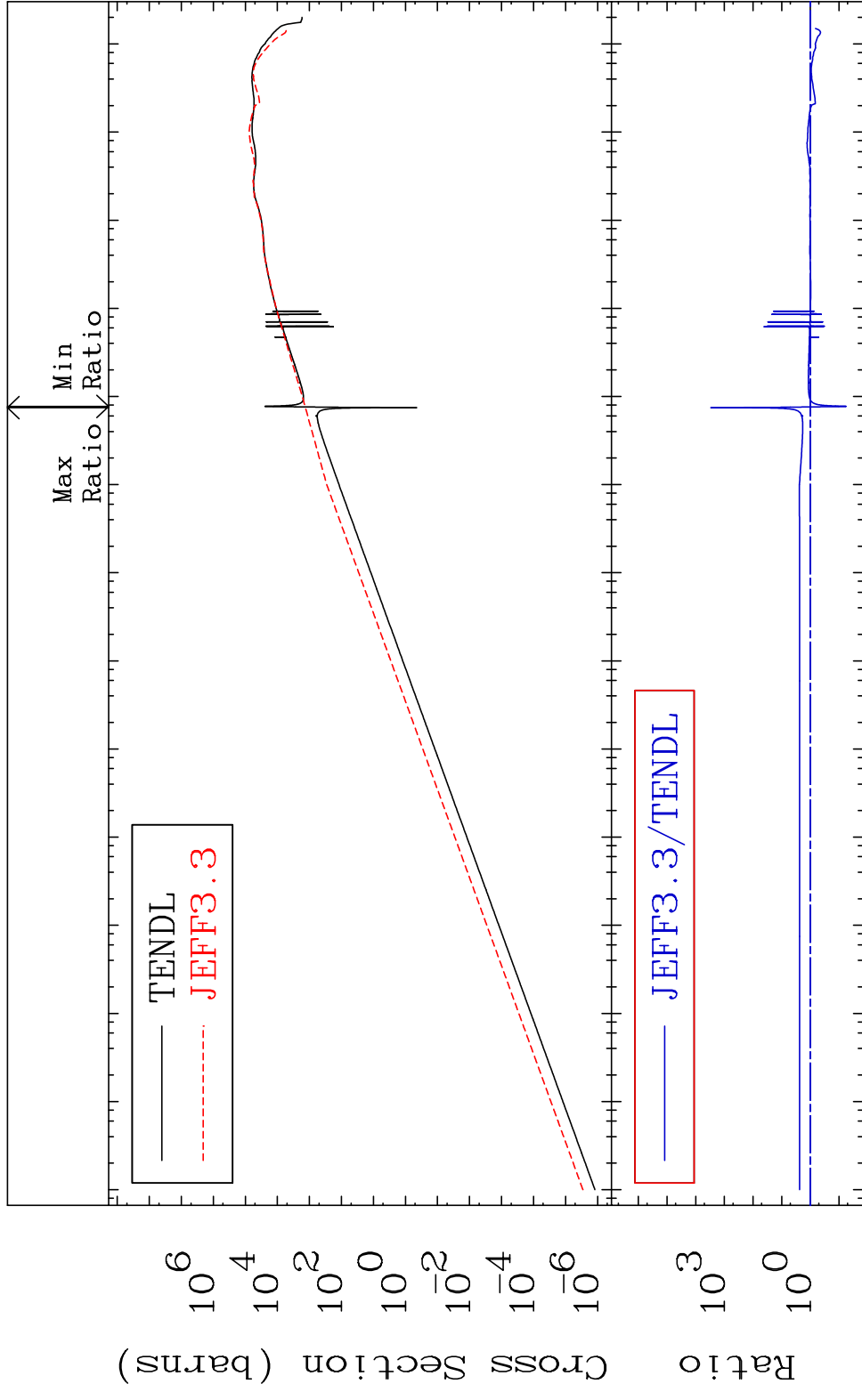
MAT 8049 Kerma total (eV-barns) 80-Hg-204  
 Cross Section -94.45 To 9999. %



MAT 8049

Kerma elastic  
Cross Section -94.46 To 9999. %

80-Hg-204

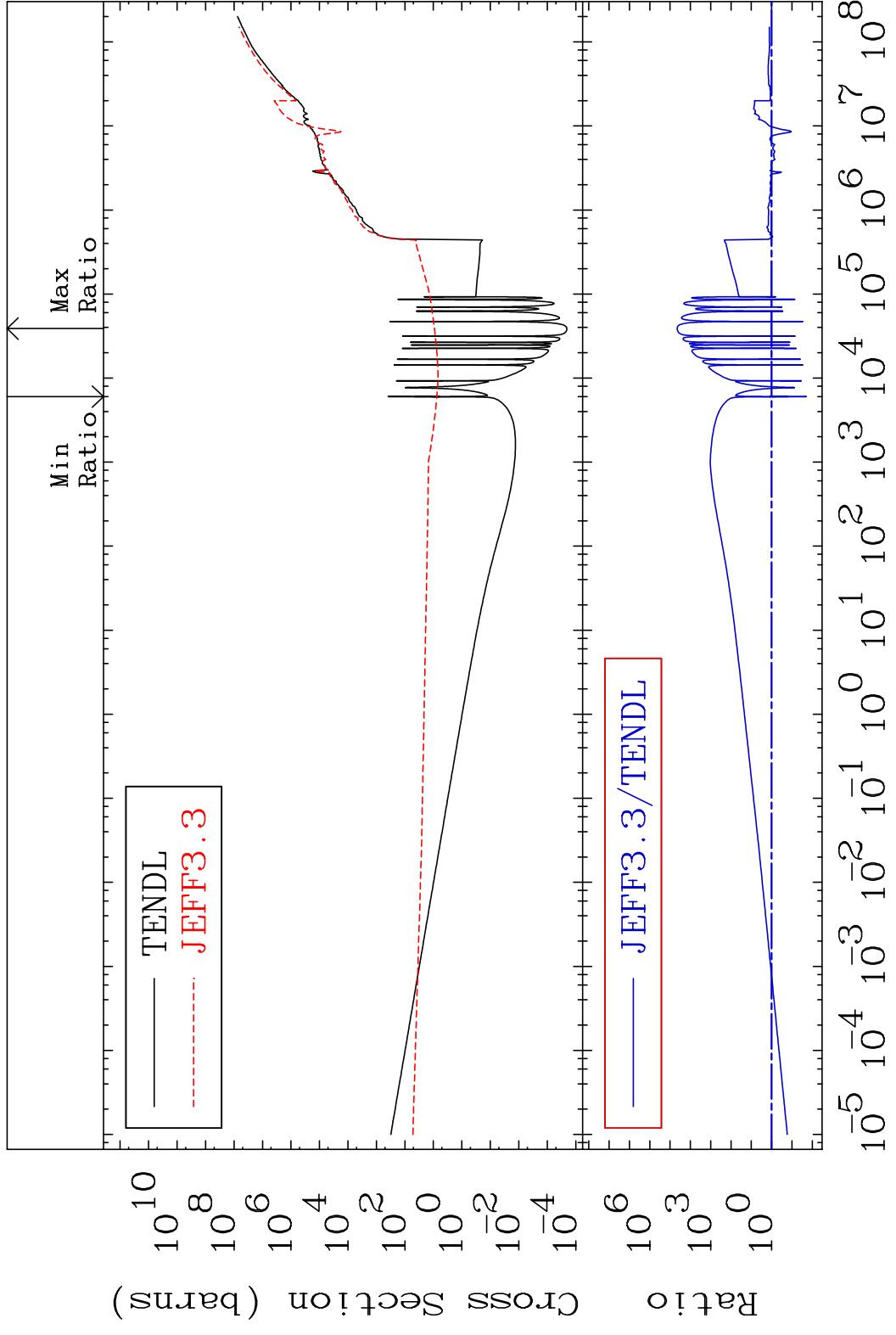


Ratio  
 $10^3$   
 $10^0$

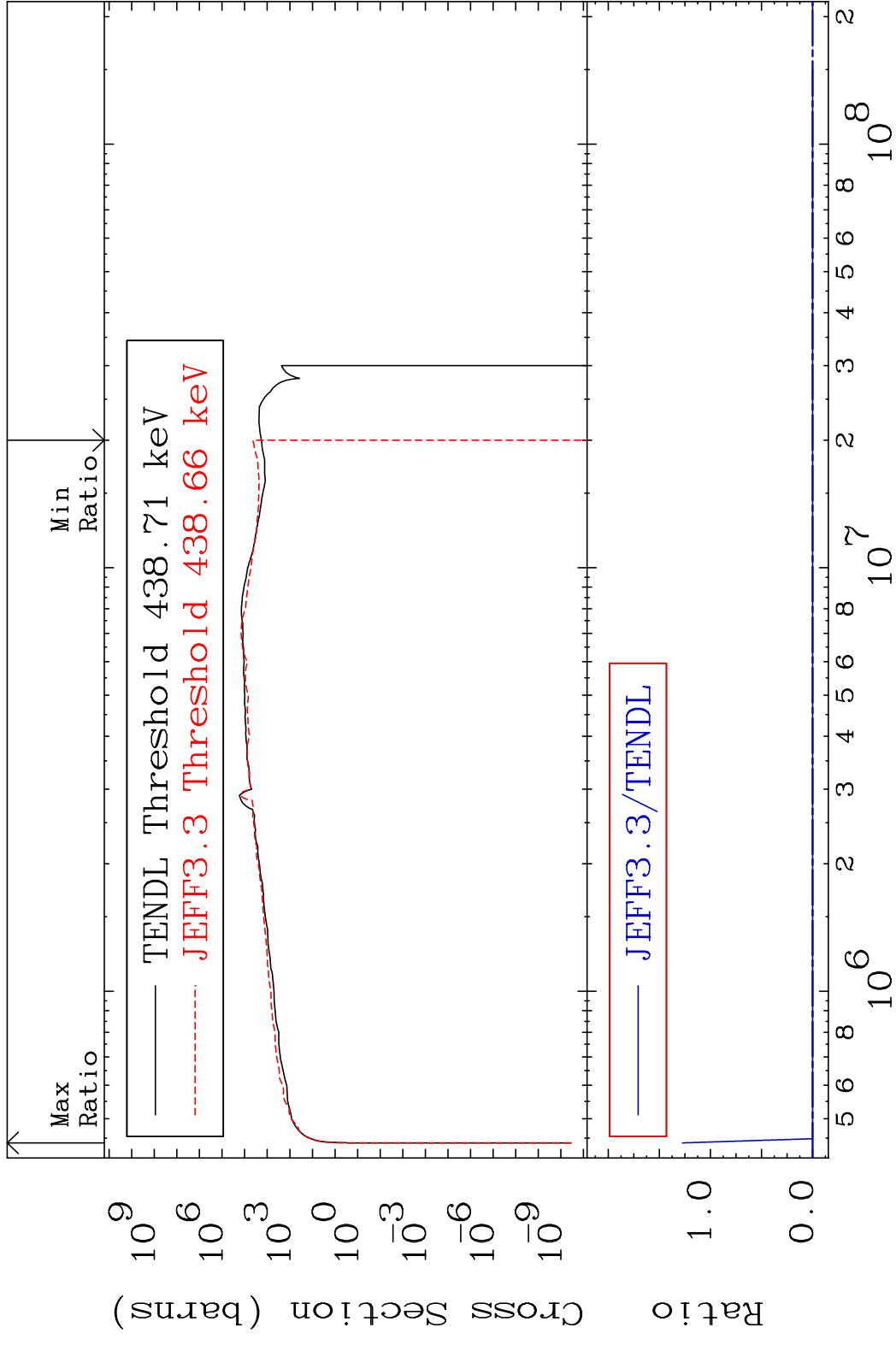
Incident Energy (eV)

$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

MAT 8049 Kerma non-elastic (all but mt2) 80-Hg-204  
 Cross Section -98.06 To 9999. %

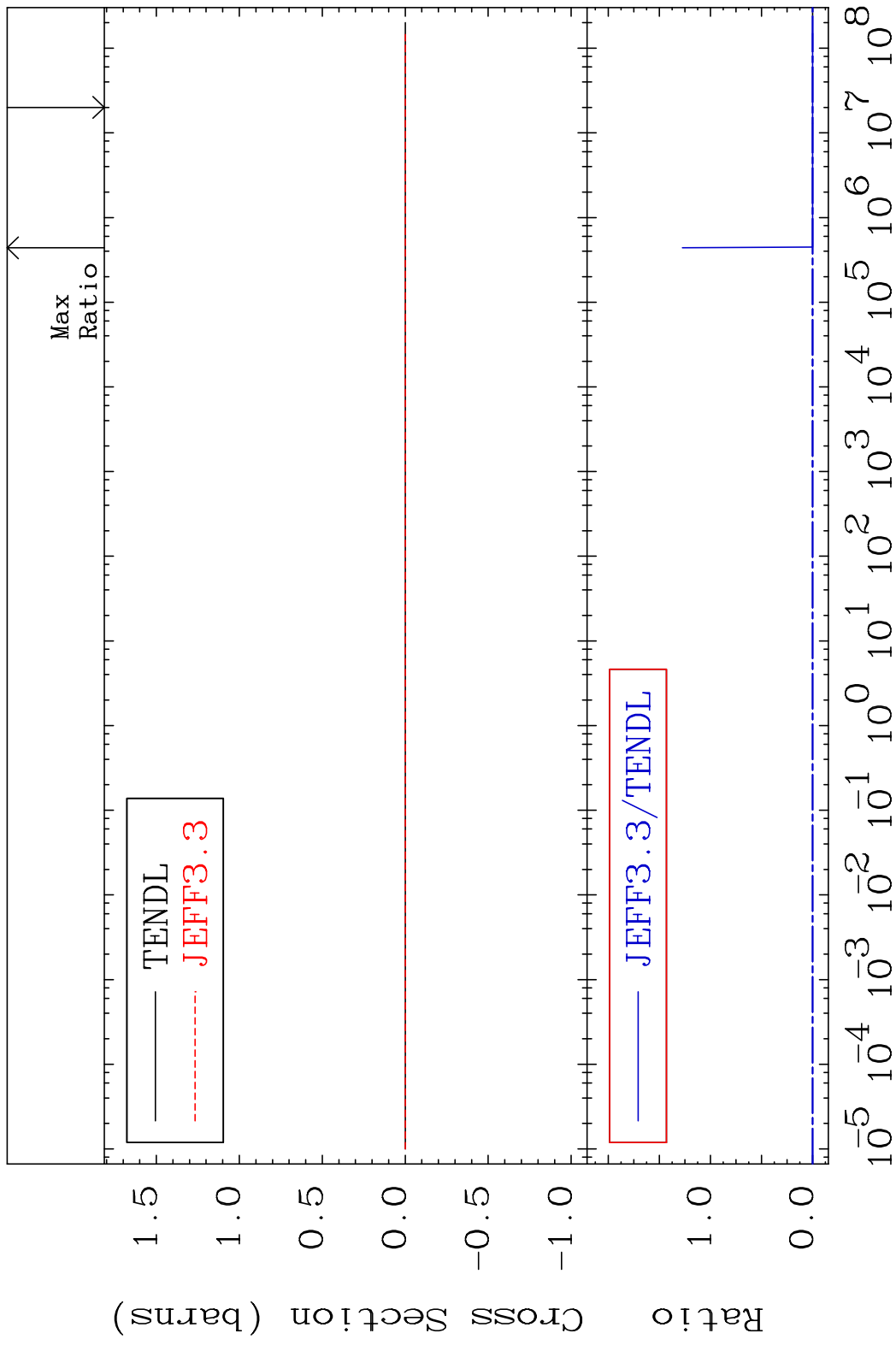


MAT 8049 Kerma inelastic (mt51-91) 80-Hg-204  
 Cross Section -100.0 To 9999. %





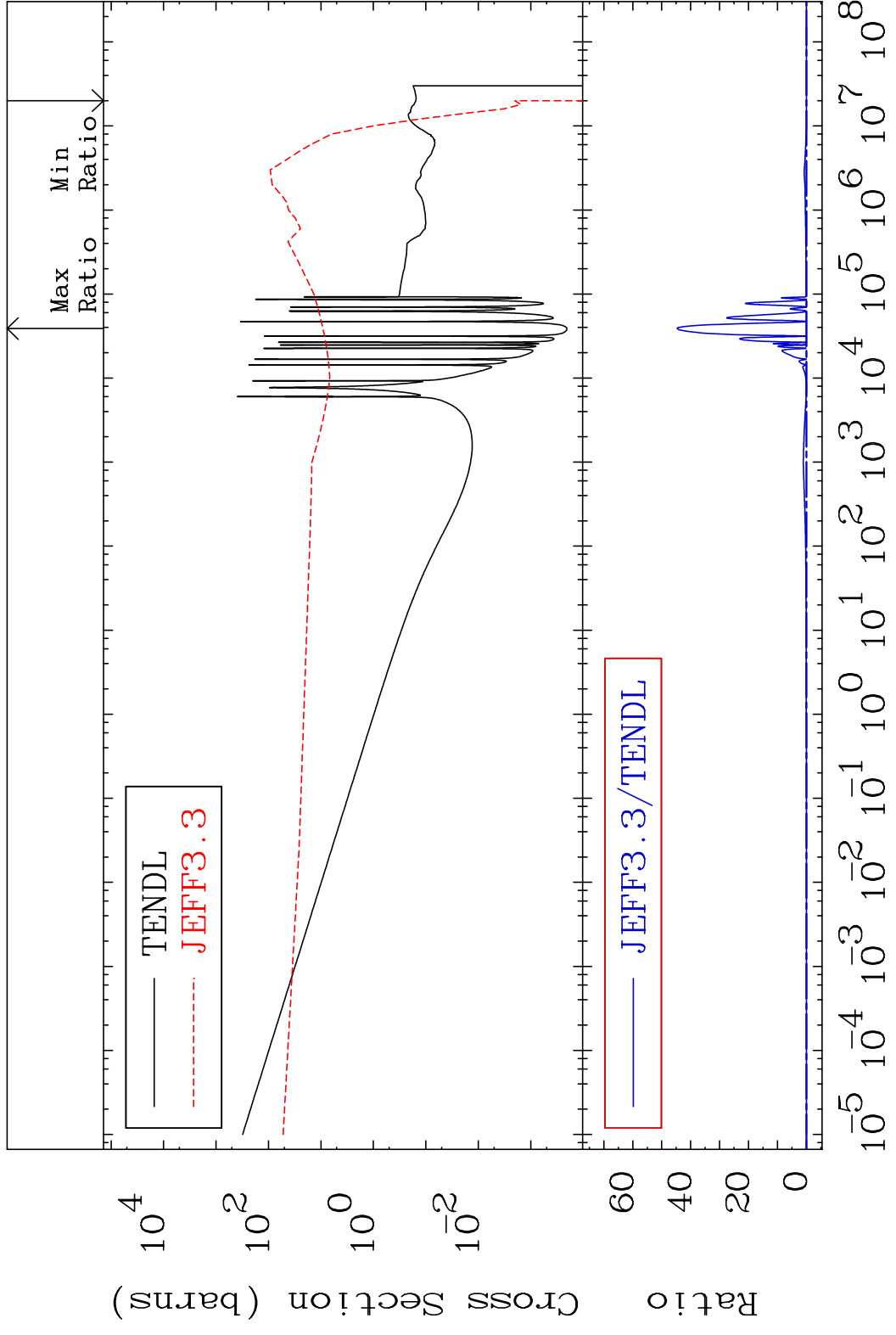
MAT 8049 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-204  
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 80-Hg-204

MAT 8049

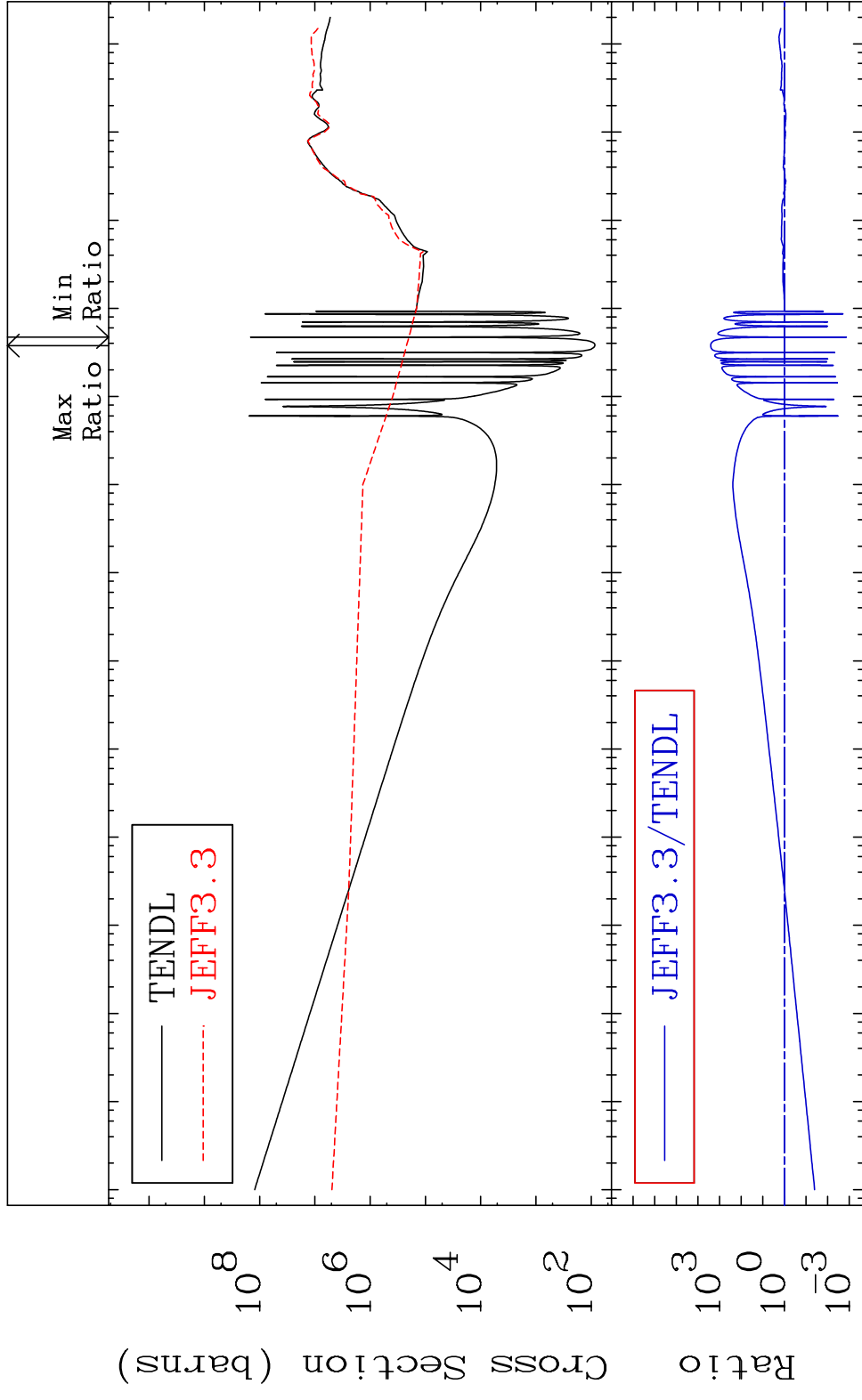
Kerma capture (mt102) 80-Hg-204  
Cross Section -100.0 To 9999. %



41

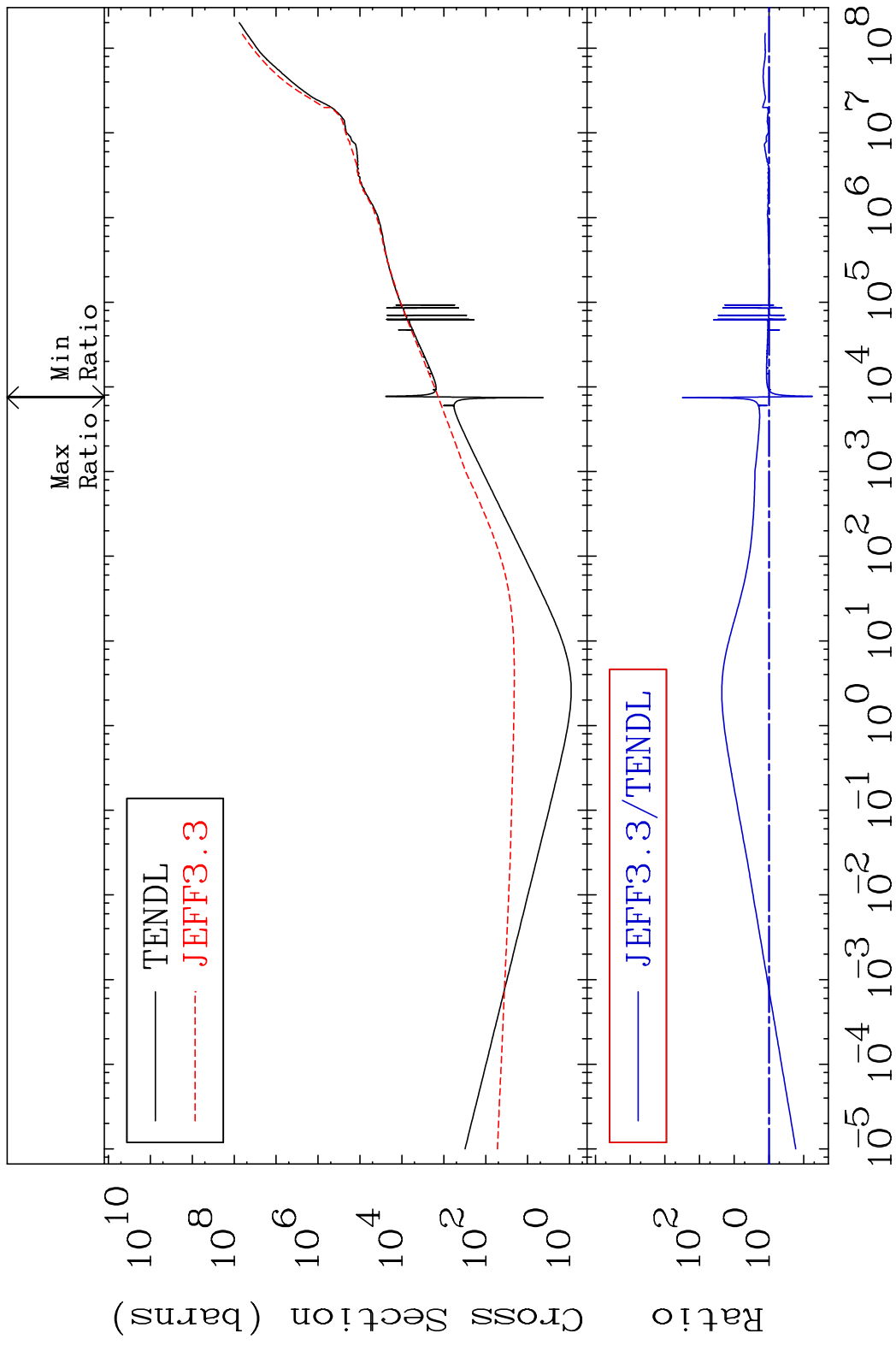
Incident Energy (eV) 80-Hg-204

MAT 8049 Total photon (eV-barns) 80-Hg-204  
 Cross Section -99.86 To 9999. %



42 Incident Energy (eV) 80-Hg-204

MAT 8049 Total kinematic kerma (high limit) 80-Hg-204  
 Cross Section -94.45 To 9999. %

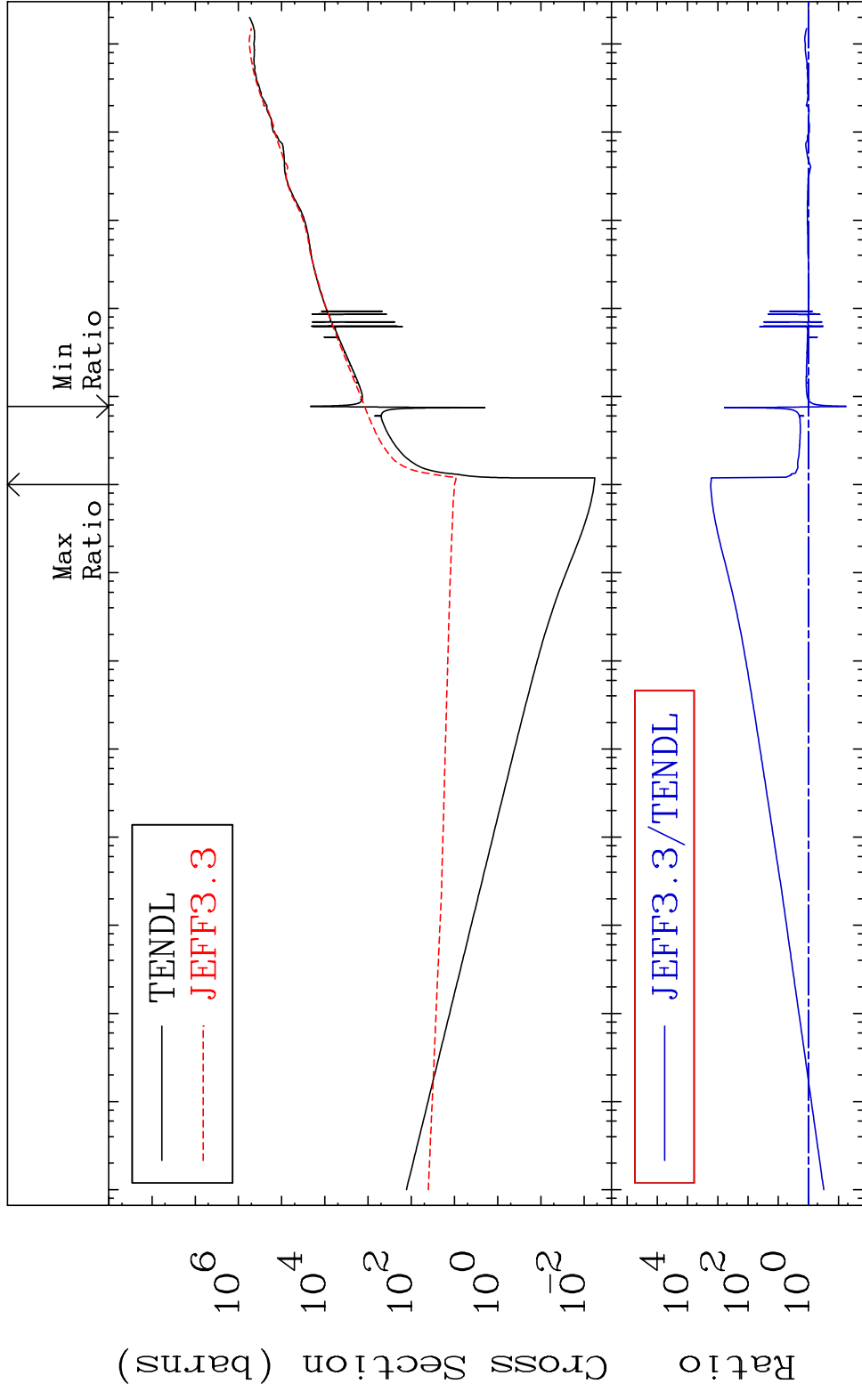


MAT 8049

Dpa total (eV-barns)

80-Hg-204

Cross Section -94.45 To 9999. %



Ratio

10<sup>6</sup>

10<sup>4</sup>

10<sup>2</sup>

10<sup>0</sup>

10<sup>-2</sup>

10<sup>4</sup>

10<sup>2</sup>

10<sup>0</sup>

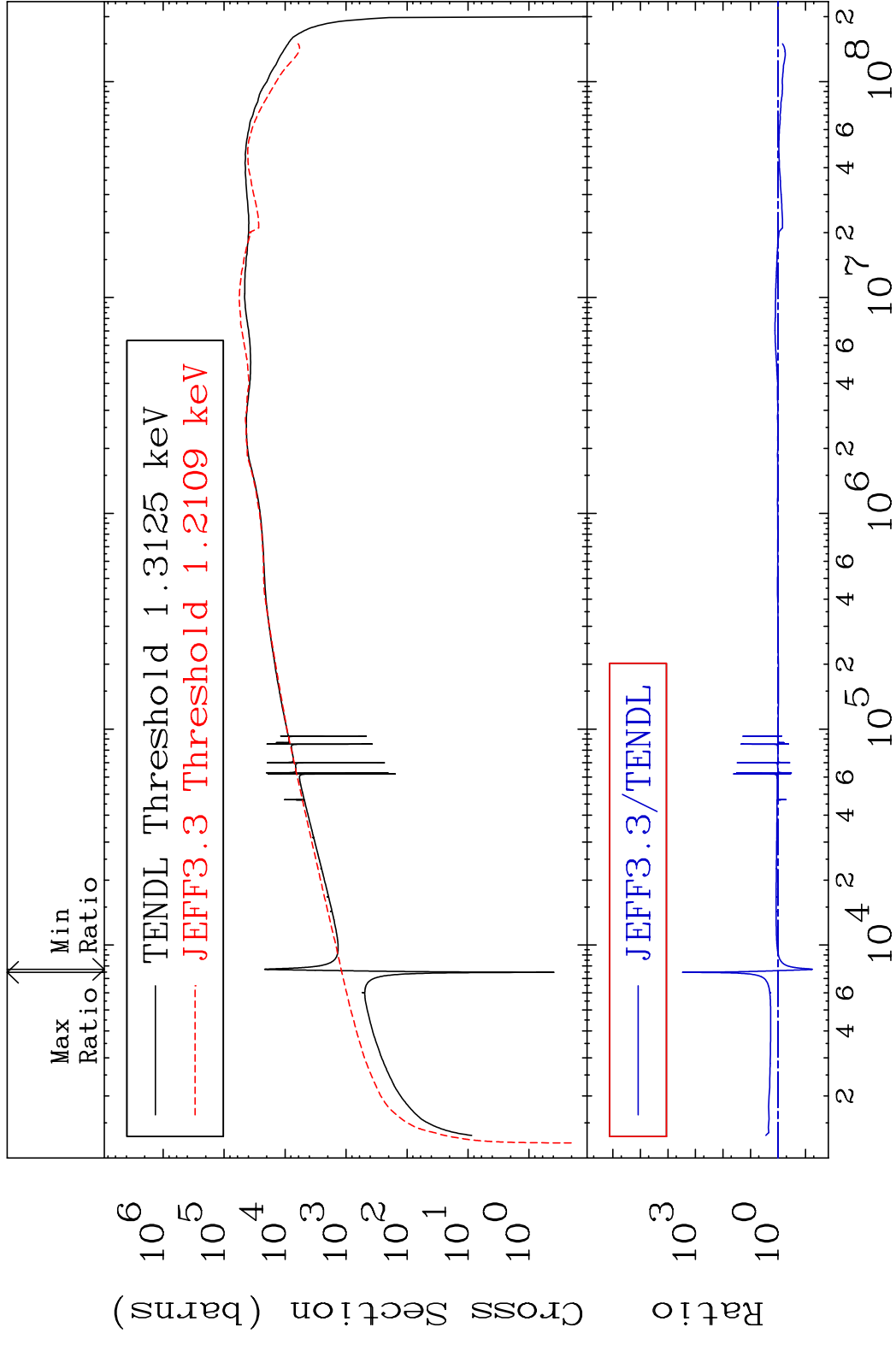
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

MAT 8049

Dpa elastic (mt2)

80-Hg-204

Cross Section -94.45 To 9999. %

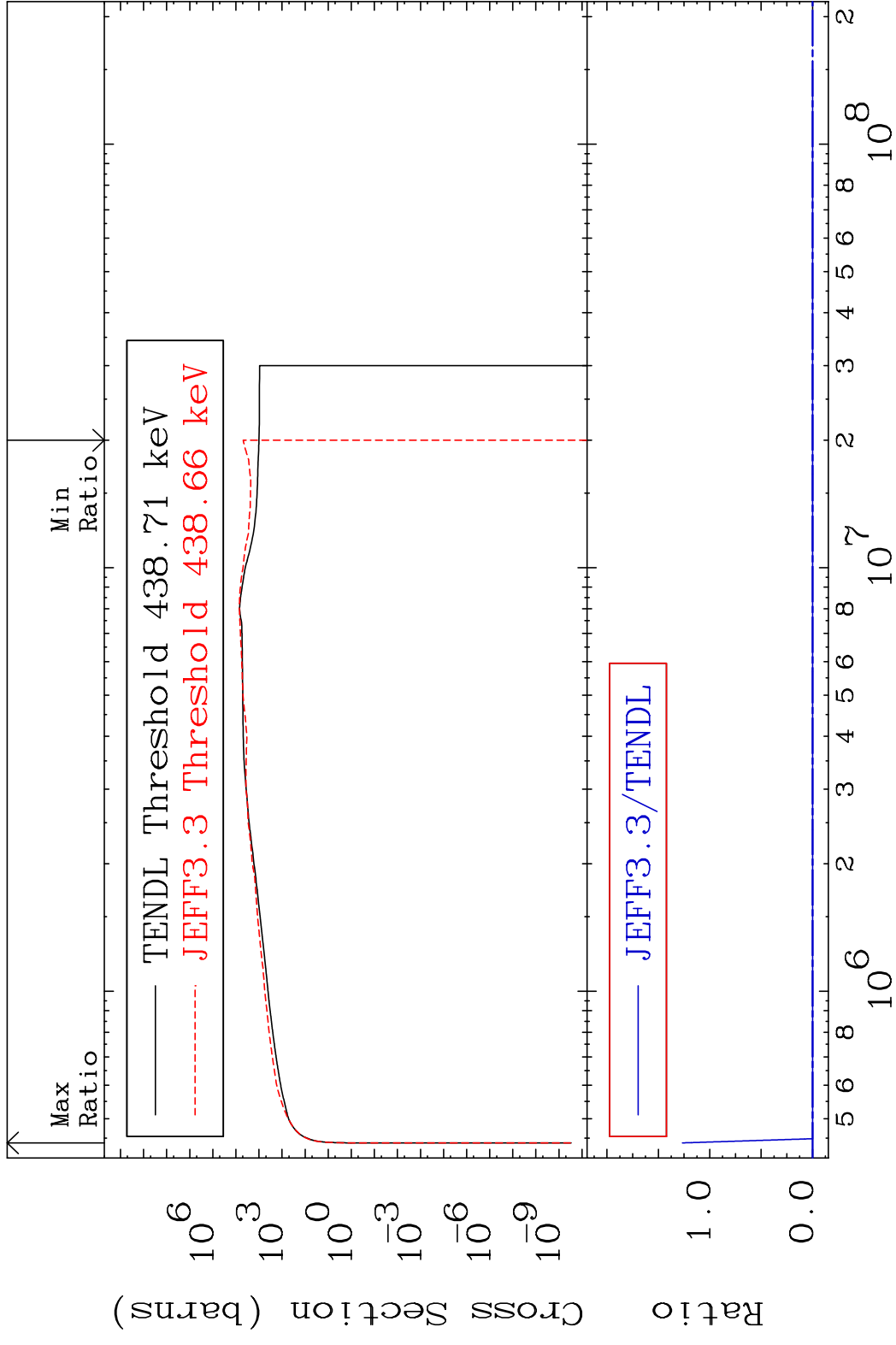


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Incident Energy (eV)

80-Hg-204

MAT 8049 Dpa inelastic (mt51-91) 80-Hg-204  
 Cross Section -100.0 To 9999. %



46 Incident Energy (eV) 80-Hg-204

MAT 8049 Dpa disappearance (mt102 -120) 80-Hg-204  
 Cross Section -100.0 To 9999. %

