

Program Complot  
(Version 2021-1)

by

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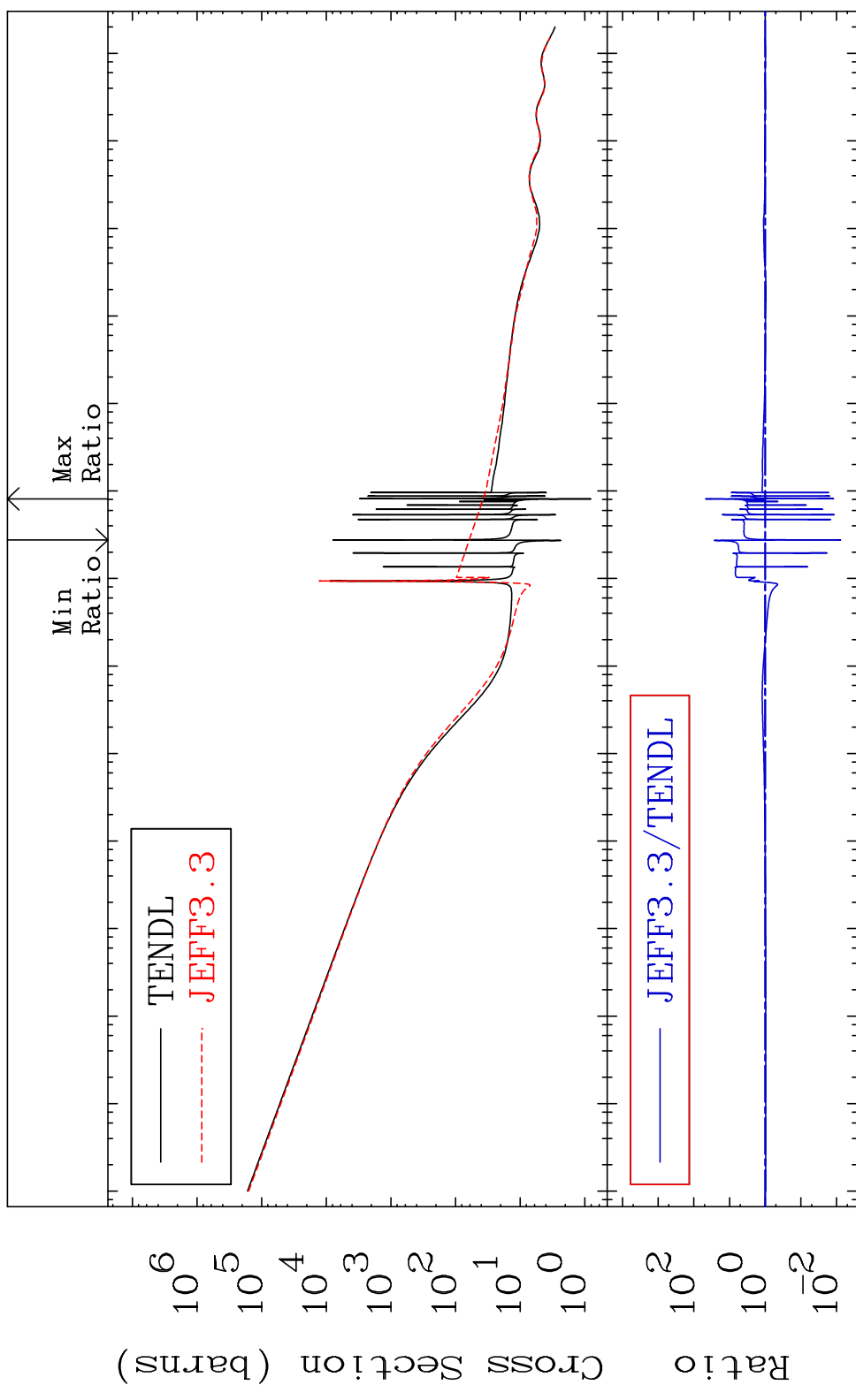
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E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8025

Total Cross Section -99.22 To 4526. %  
80-Hg-196



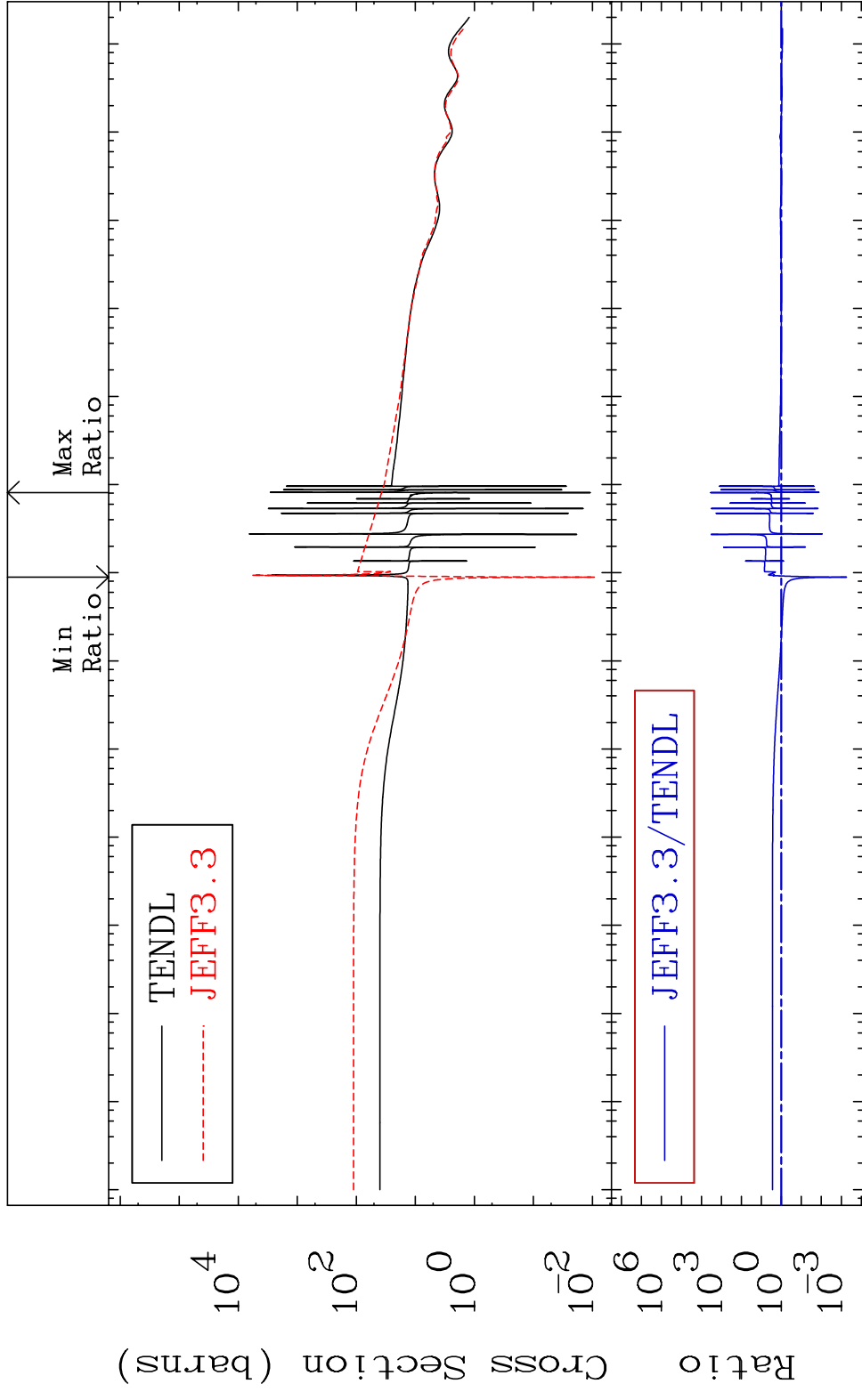
1 Incident Energy (eV) 80-Hg-196

MAT 8025

Elastic

80-Hg-196

Cross Section -99.94 To 9999. %

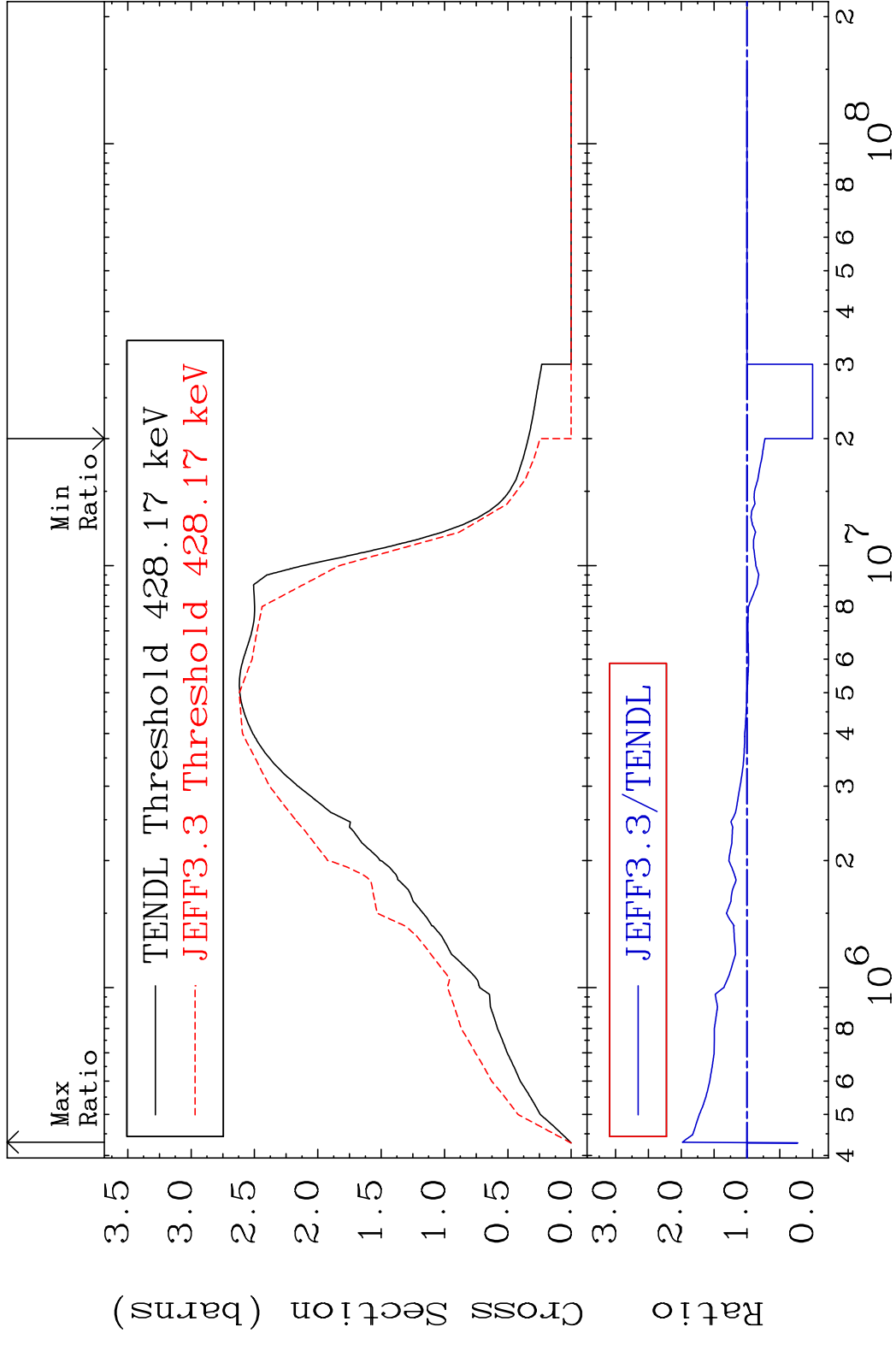


2

Incident Energy (eV)

80-Hg-196

MAT 8025                      Inelastic                      80-Hg-196  
 Cross Section                      -100.0 To 98.20 %



3                      Incident Energy (eV)                      80-Hg-196

MAT 8025

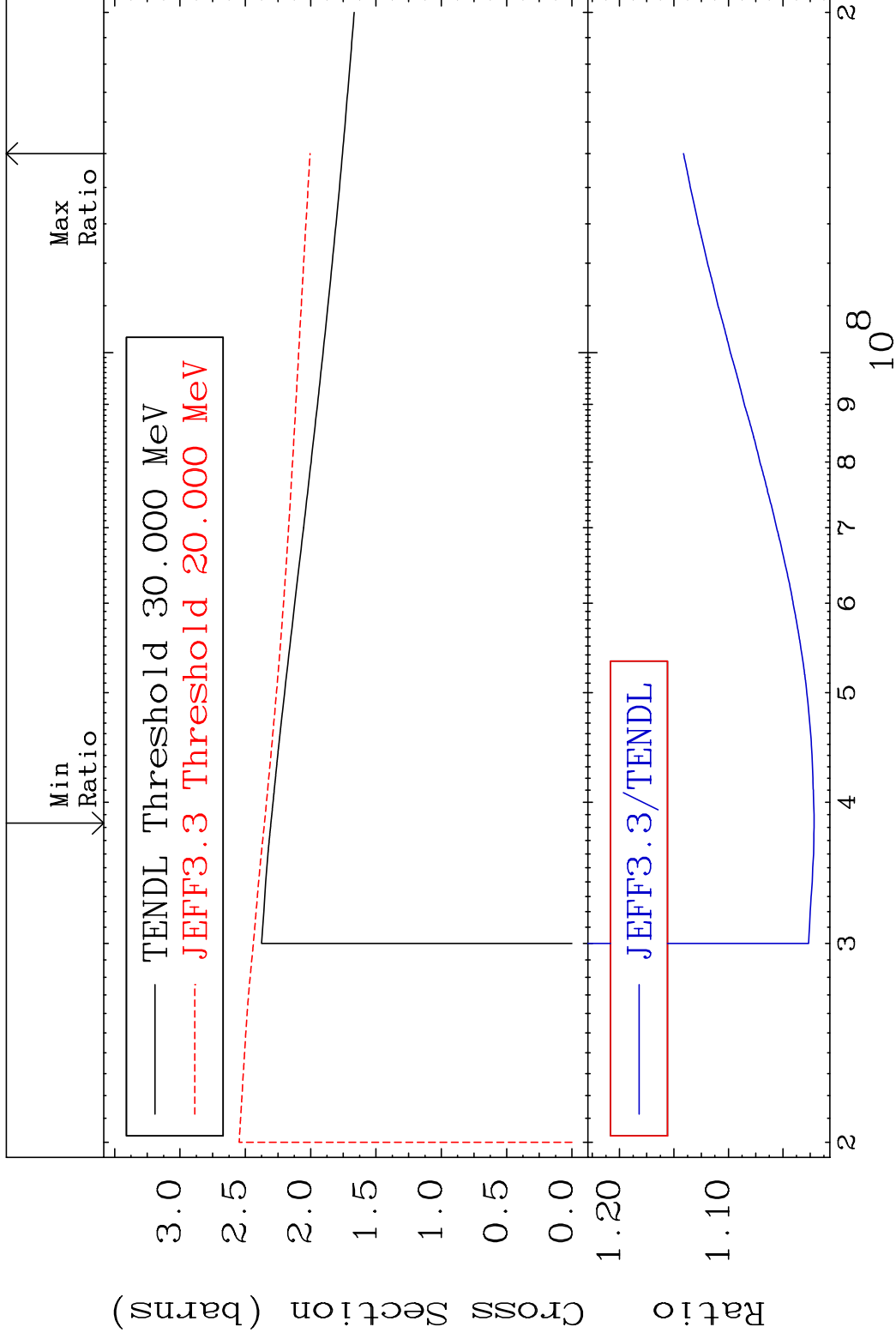
(n, remainder)

80-Hg-196

Cross Section

2.148

To 14.13 %



4

Incident Energy (eV)

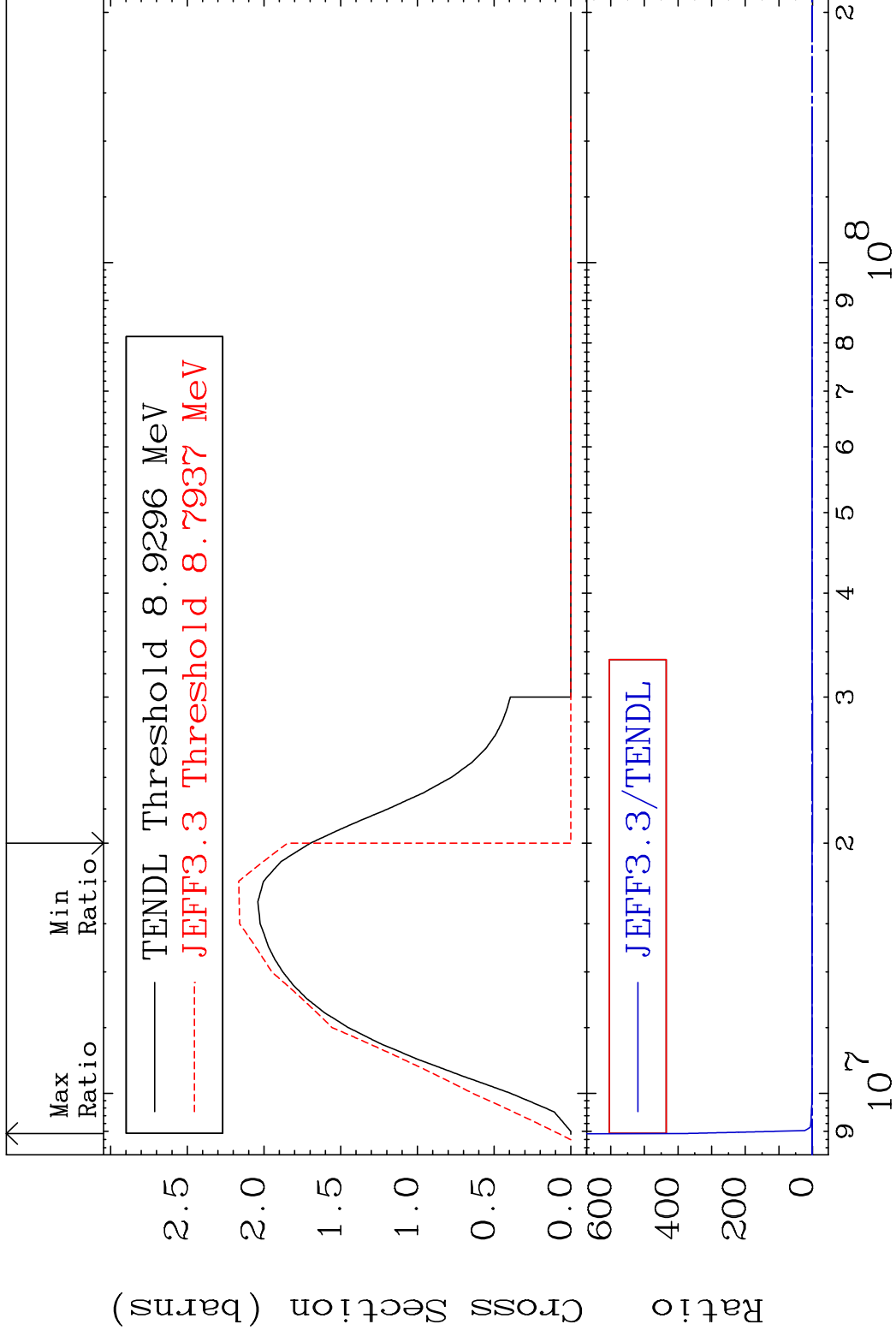
80-Hg-196

MAT 8025

(n,2n)

80-Hg-196

Cross Section -100.0 To 9999. %

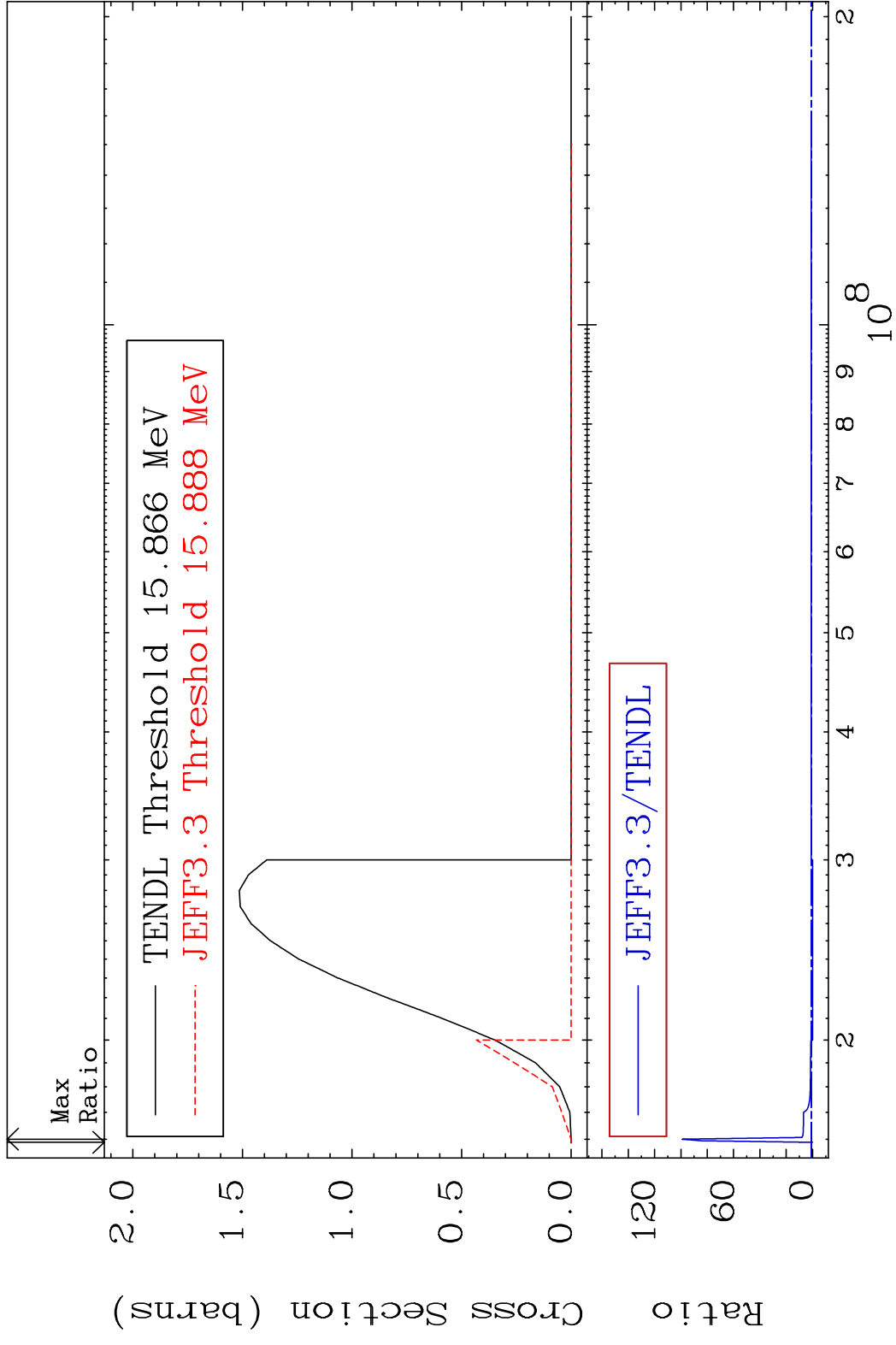


5

Incident Energy (eV)

80-Hg-196

MAT 8025 (n,3n) 80-Hg-196  
 Cross Section -100.0 To 9791. %

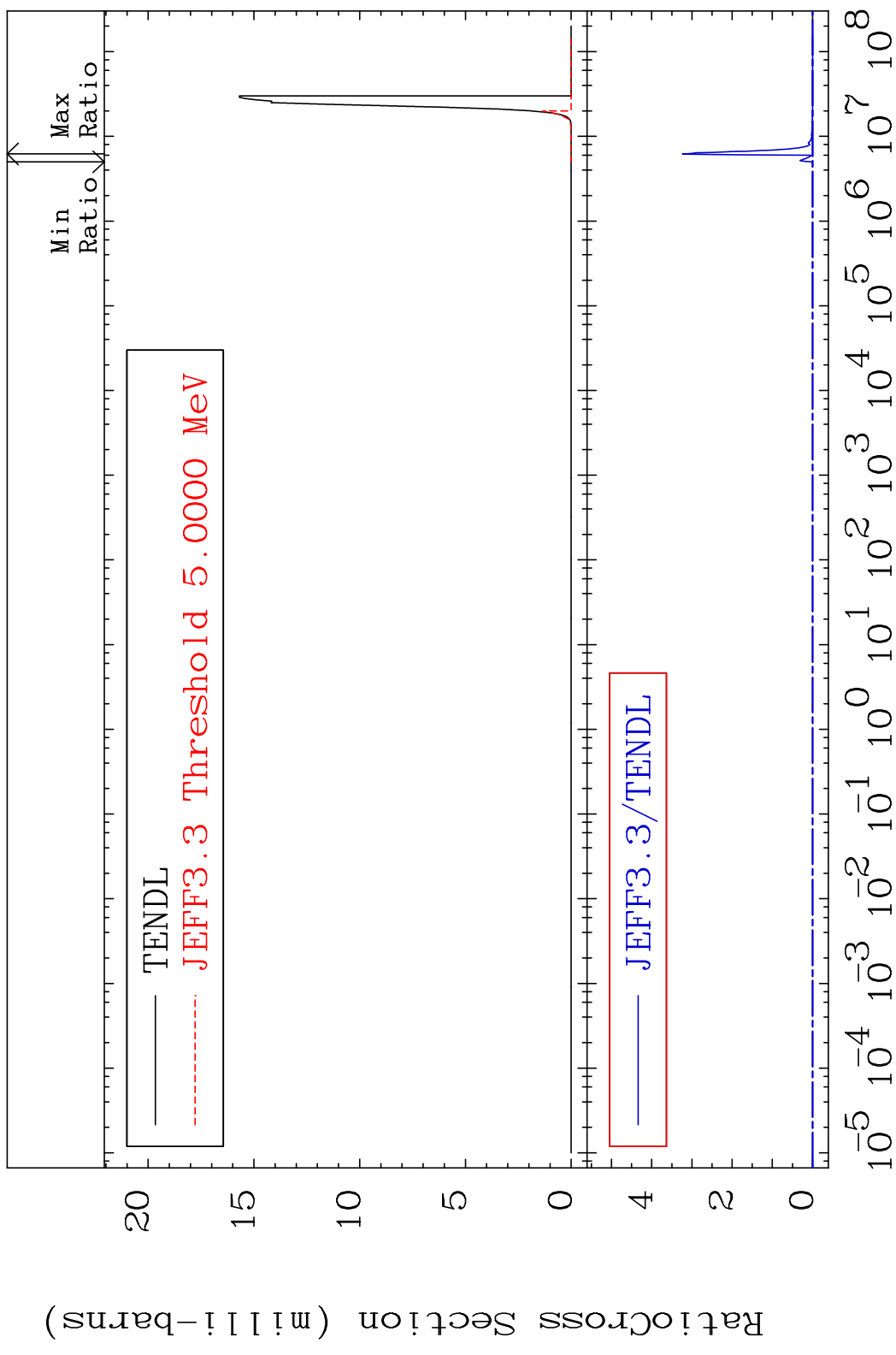


MAT 8025

(n, n')  $\alpha$

80-Hg-196

Cross Section -100.0 To 9999. %



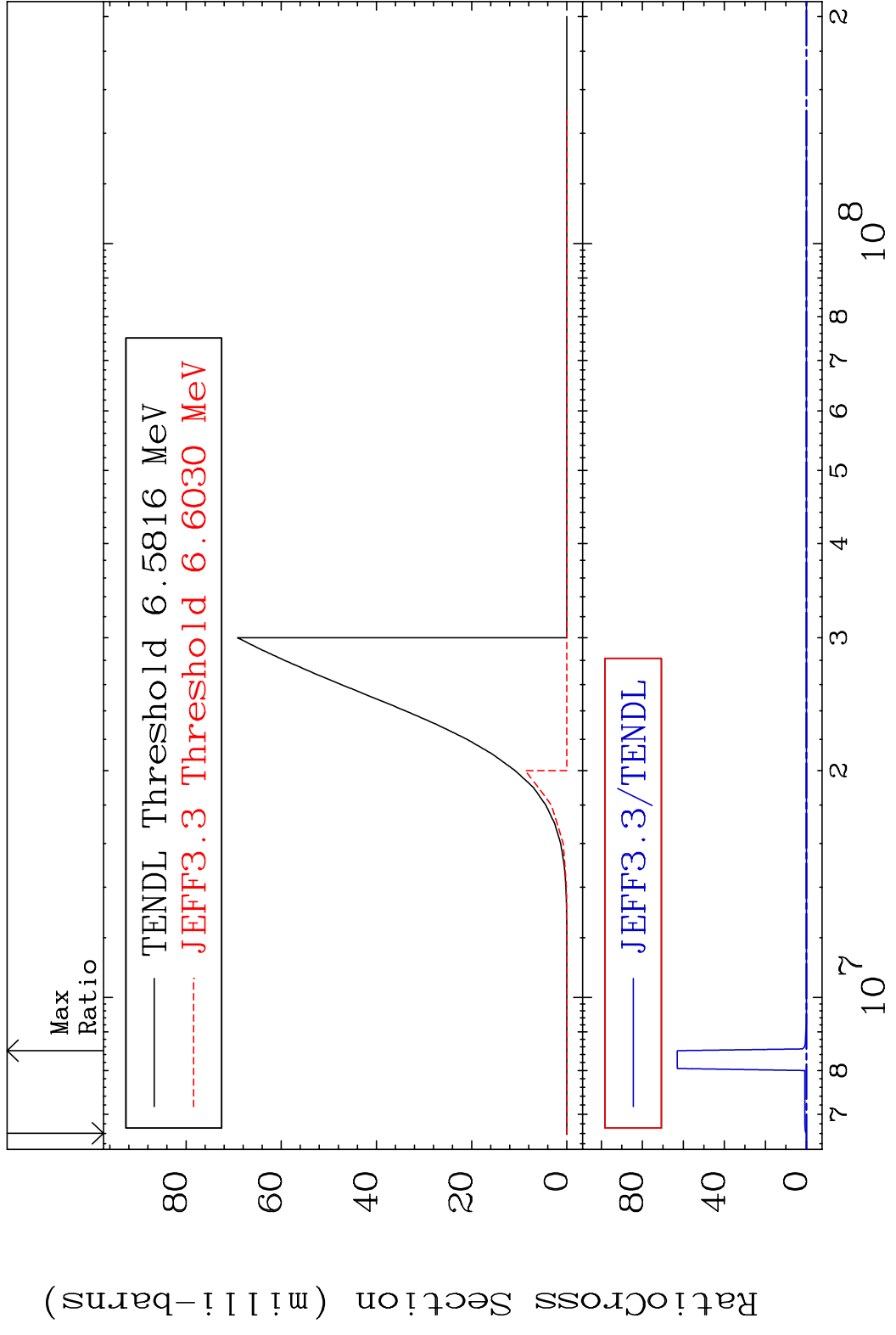
80-Hg-196

Incident Energy (eV)

7

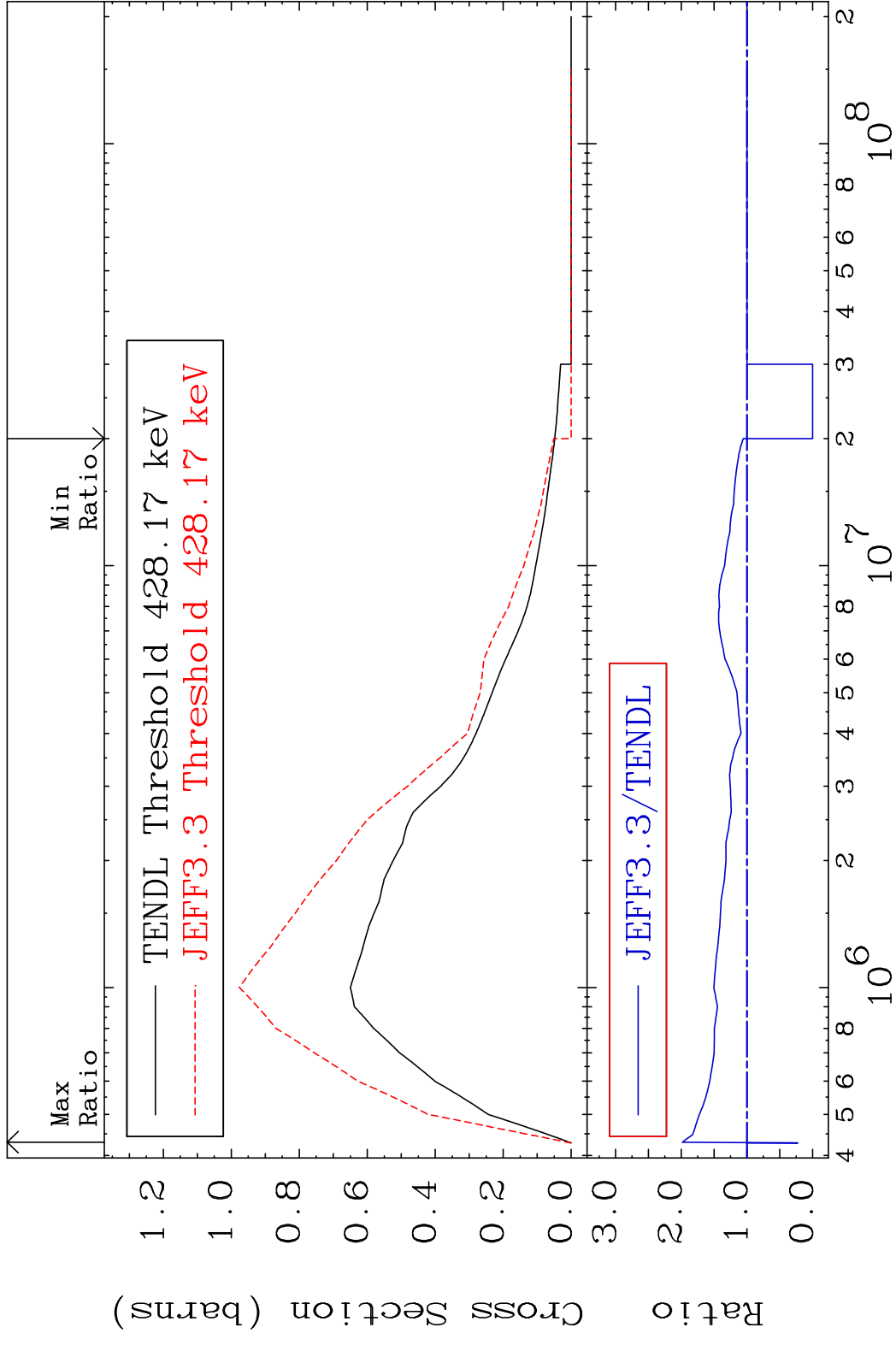


MAT 8025 (n, n') p 80-Hg-196  
 Cross Section -100.0 To 9999. %

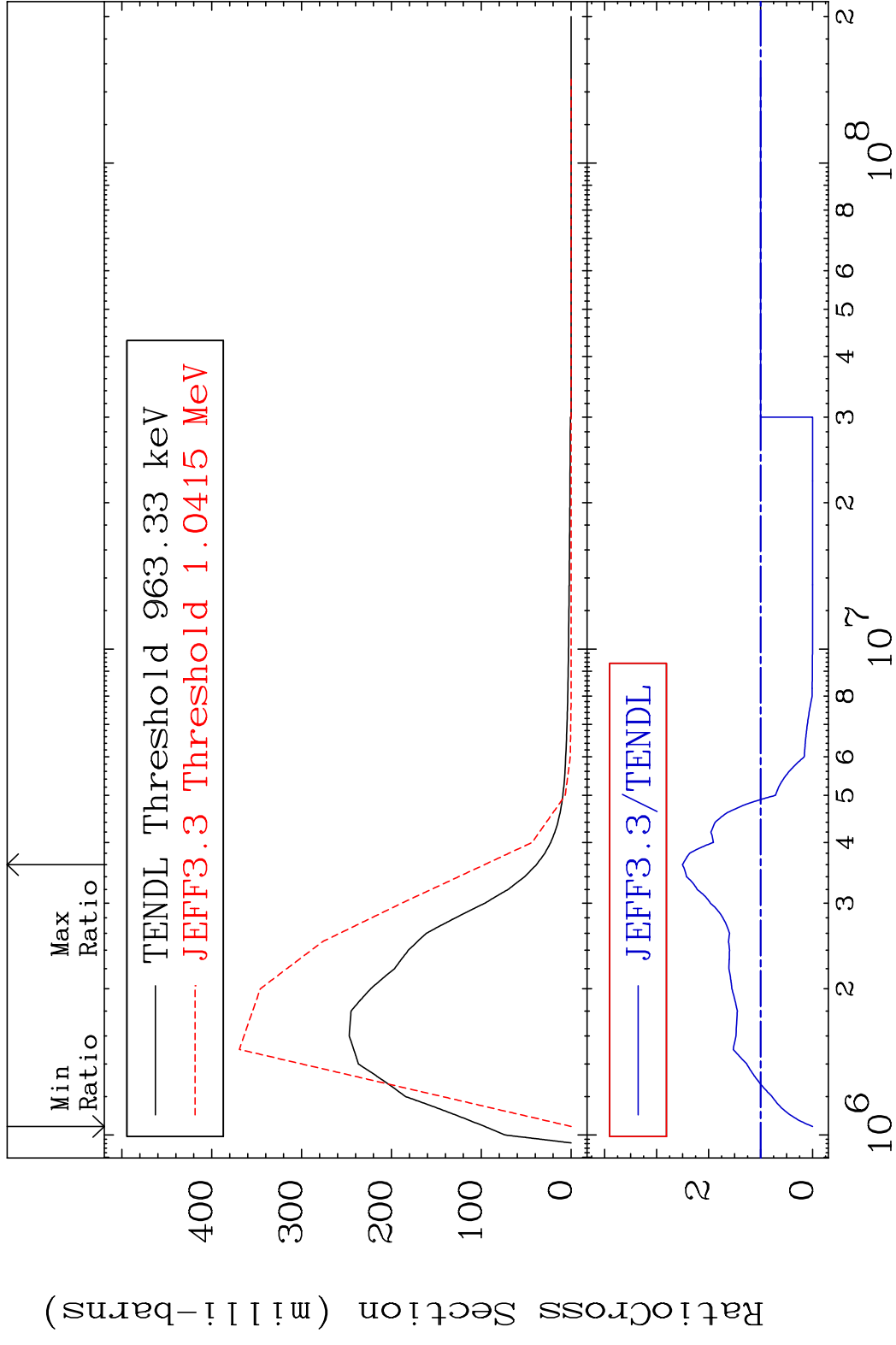


8 80-Hg-196

MAT 8025 MT= 51 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 98.20 %

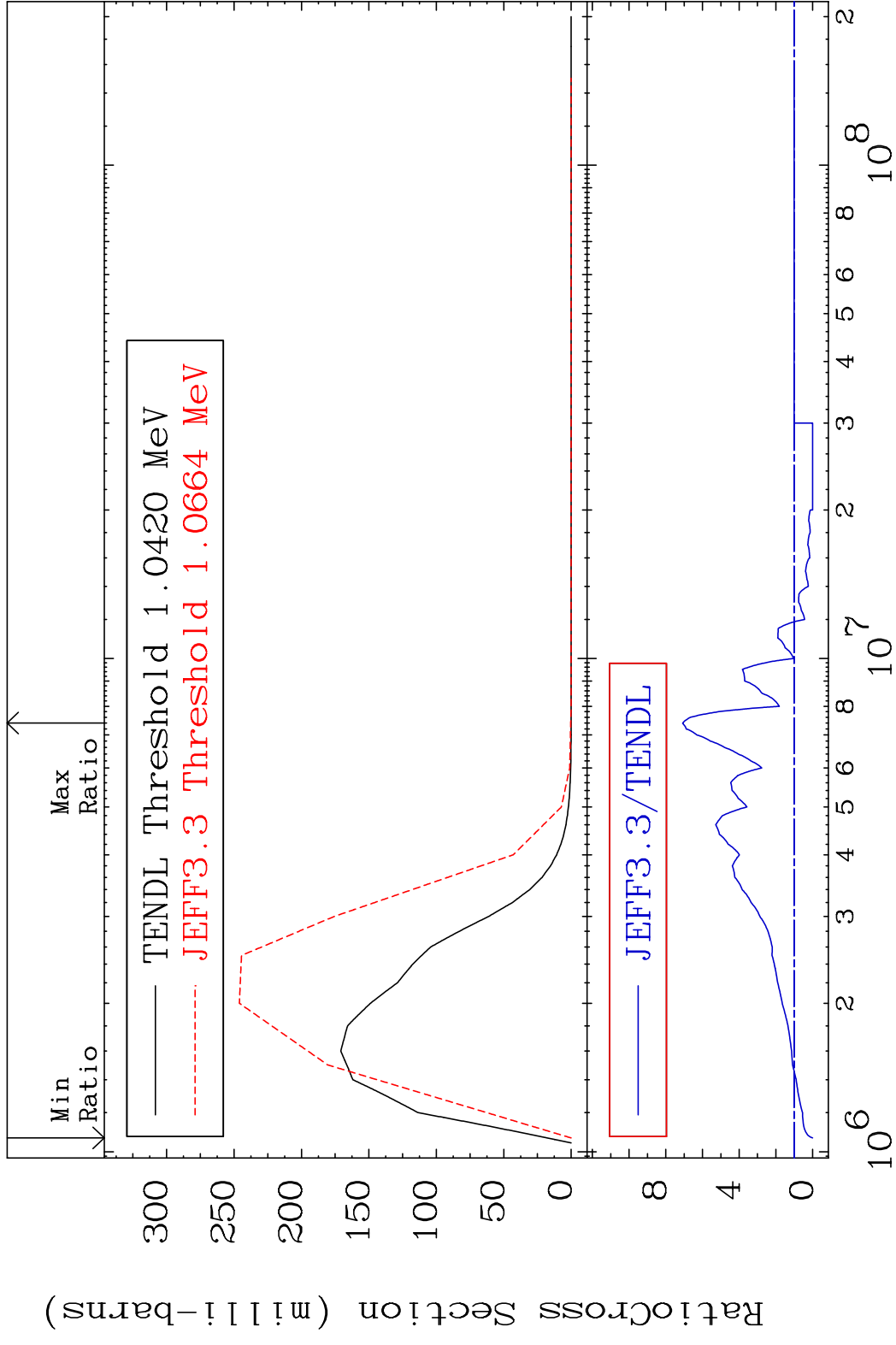


MAT 8025 MT= 52 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 150.4 %



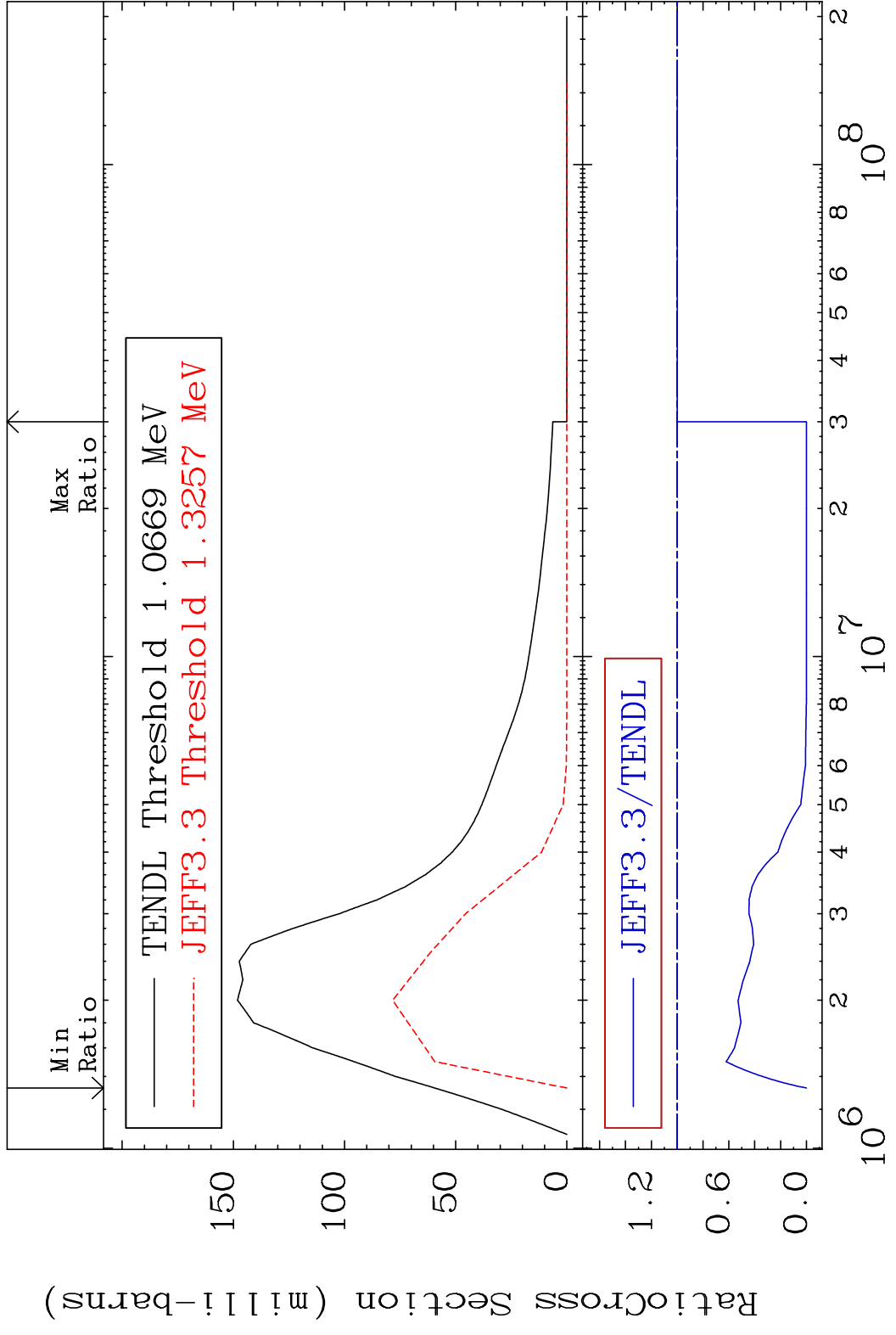
10 2 3 4 5 6 8 10<sup>7</sup> 2 3 4 5 6 8 10<sup>8</sup> 2

MAT 8025 MT= 53 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 609.7 %



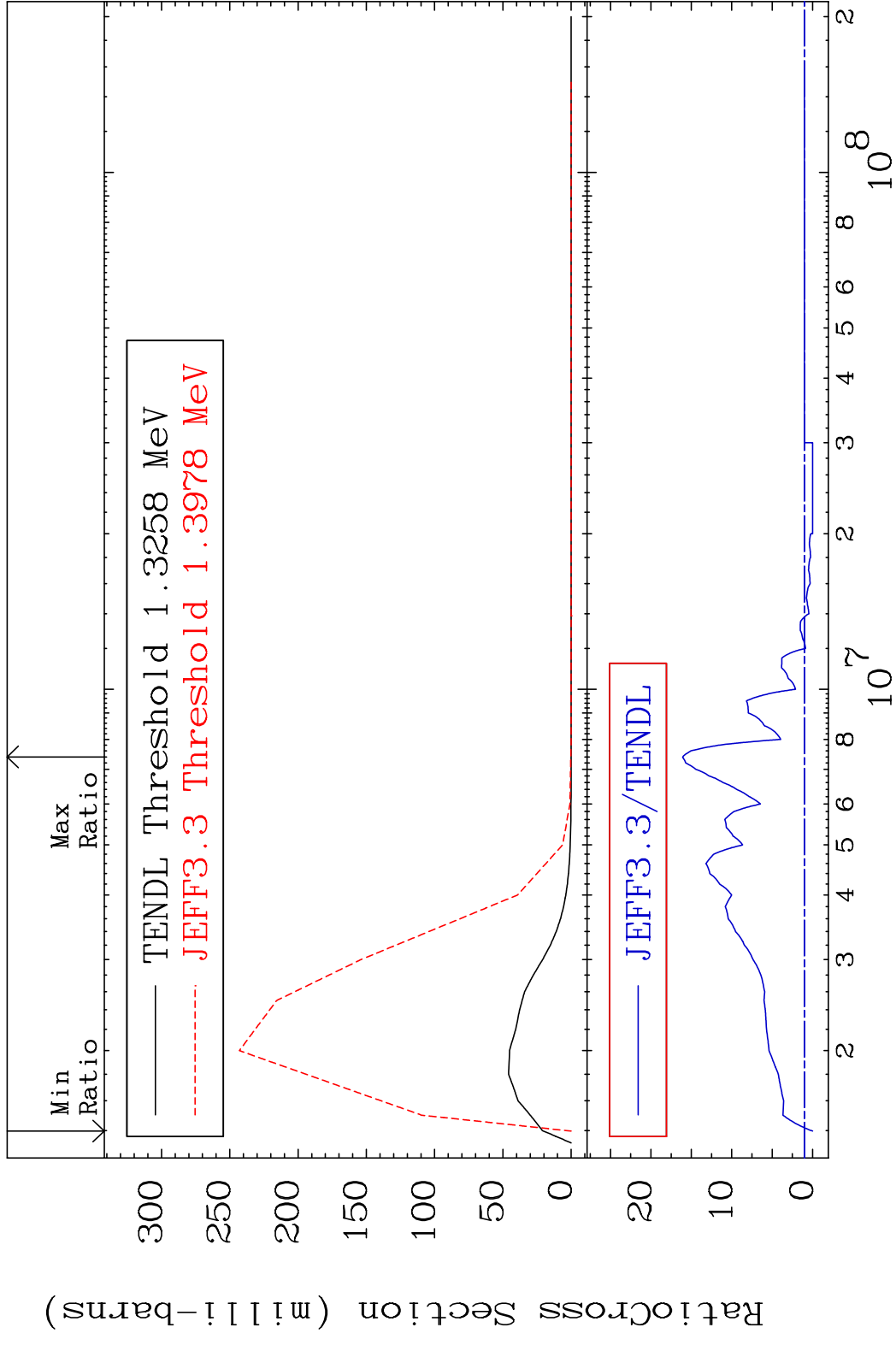
11 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 54 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 0.000 %



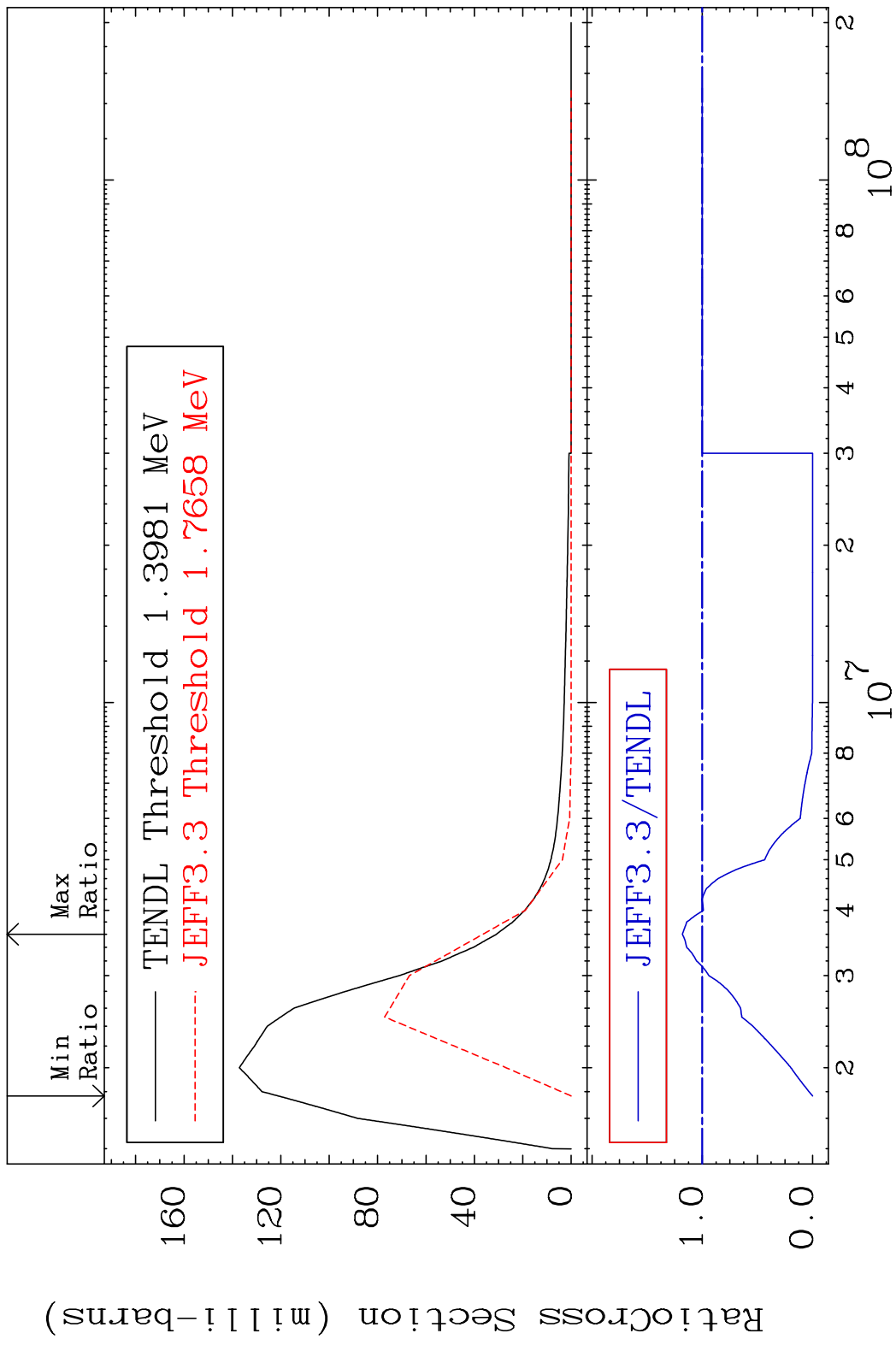
12 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 55 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 1511. %

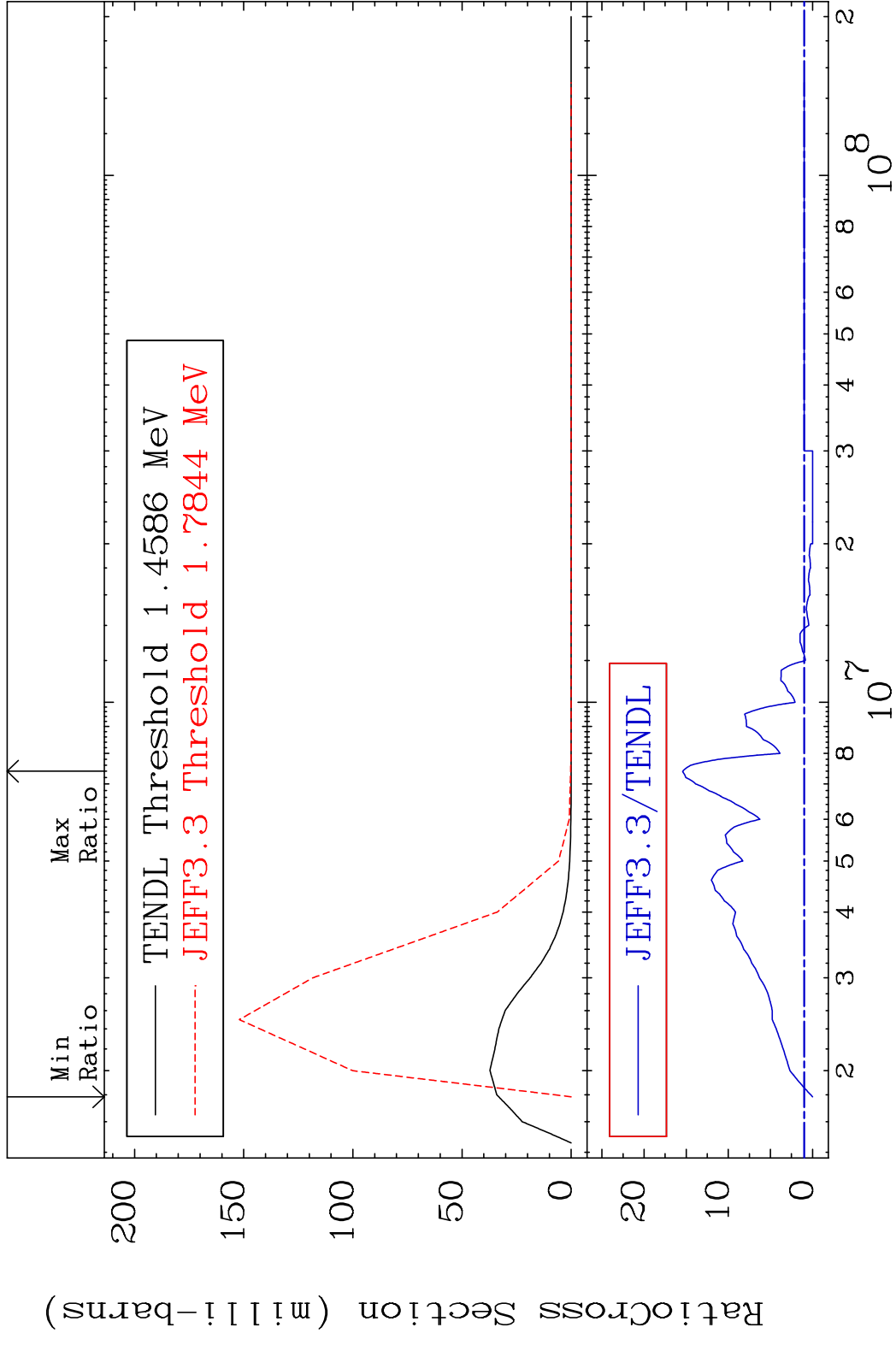


13 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 56 (n,n') Level 80-Hg-196  
 Cross Section -100.0 To 18.06 %

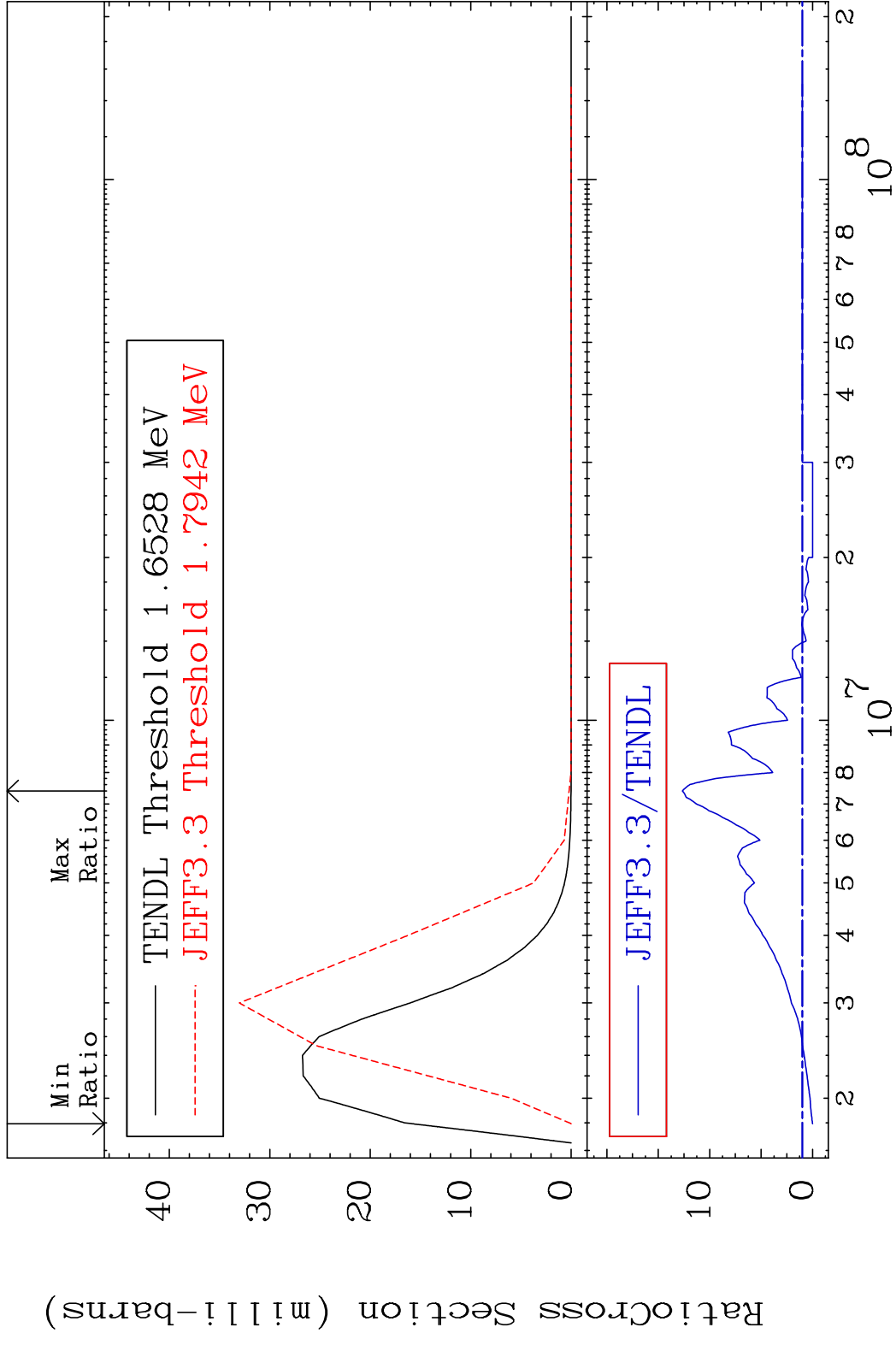


MAT 8025 MT= 57 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 1445. %



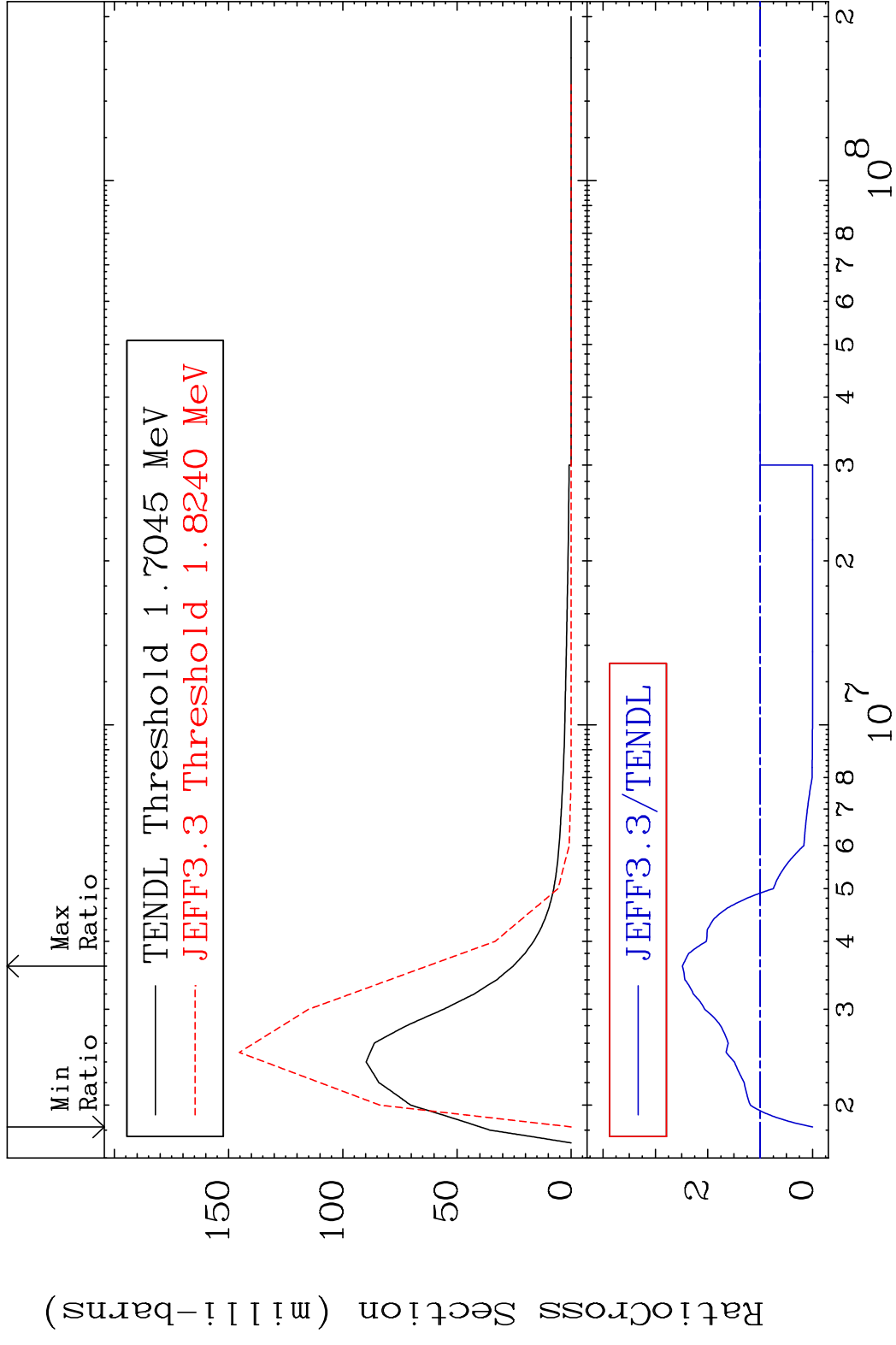


MAT 8025 MT= 58 (n,n') Level 80-Hg-196  
 Cross Section -100.0 To 1166. %



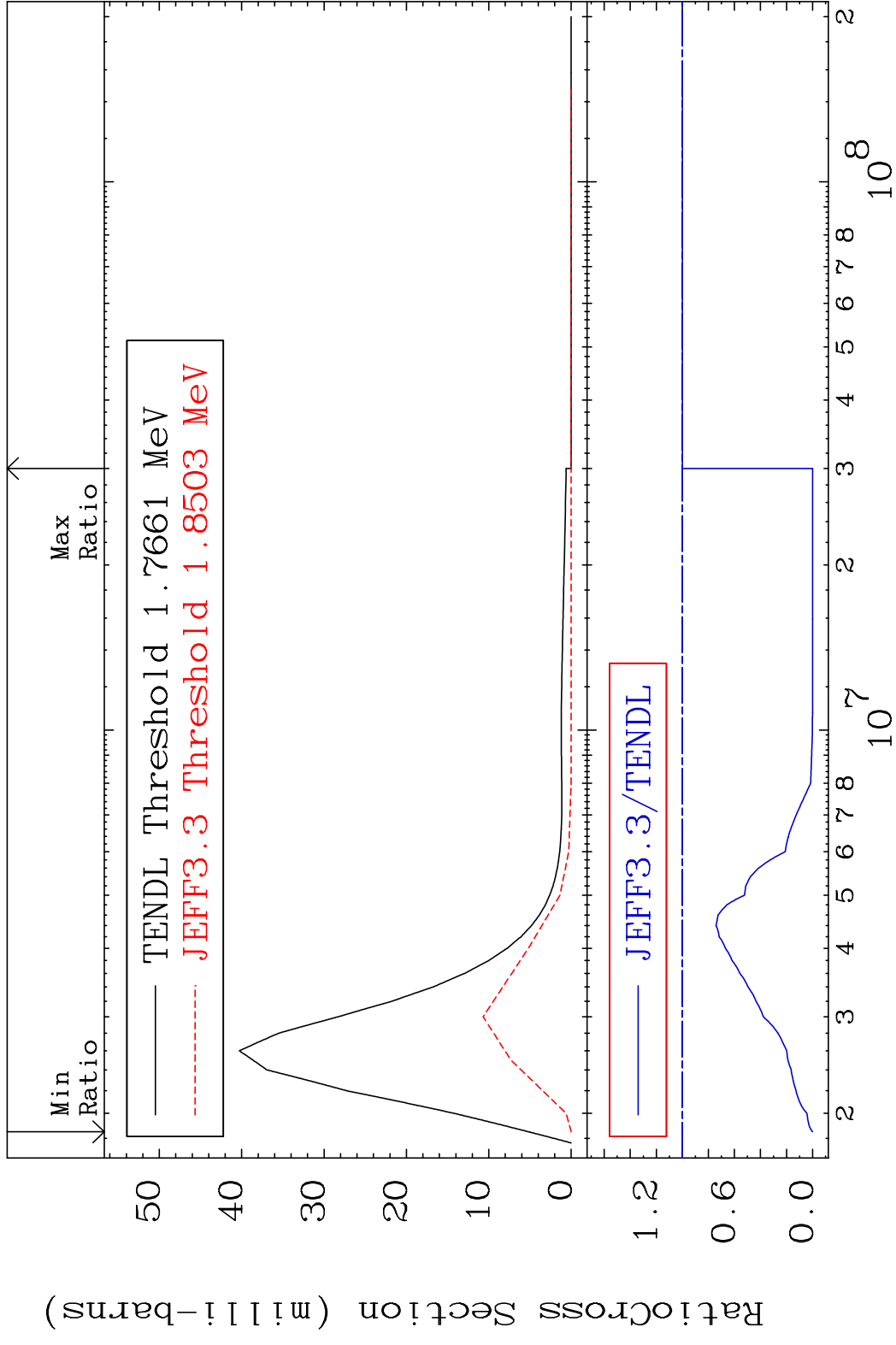
16 80-Hg-196

MAT 8025 MT= 59 (n,n') Level 80-Hg-196  
 Cross Section -100.0 To 148.6 %



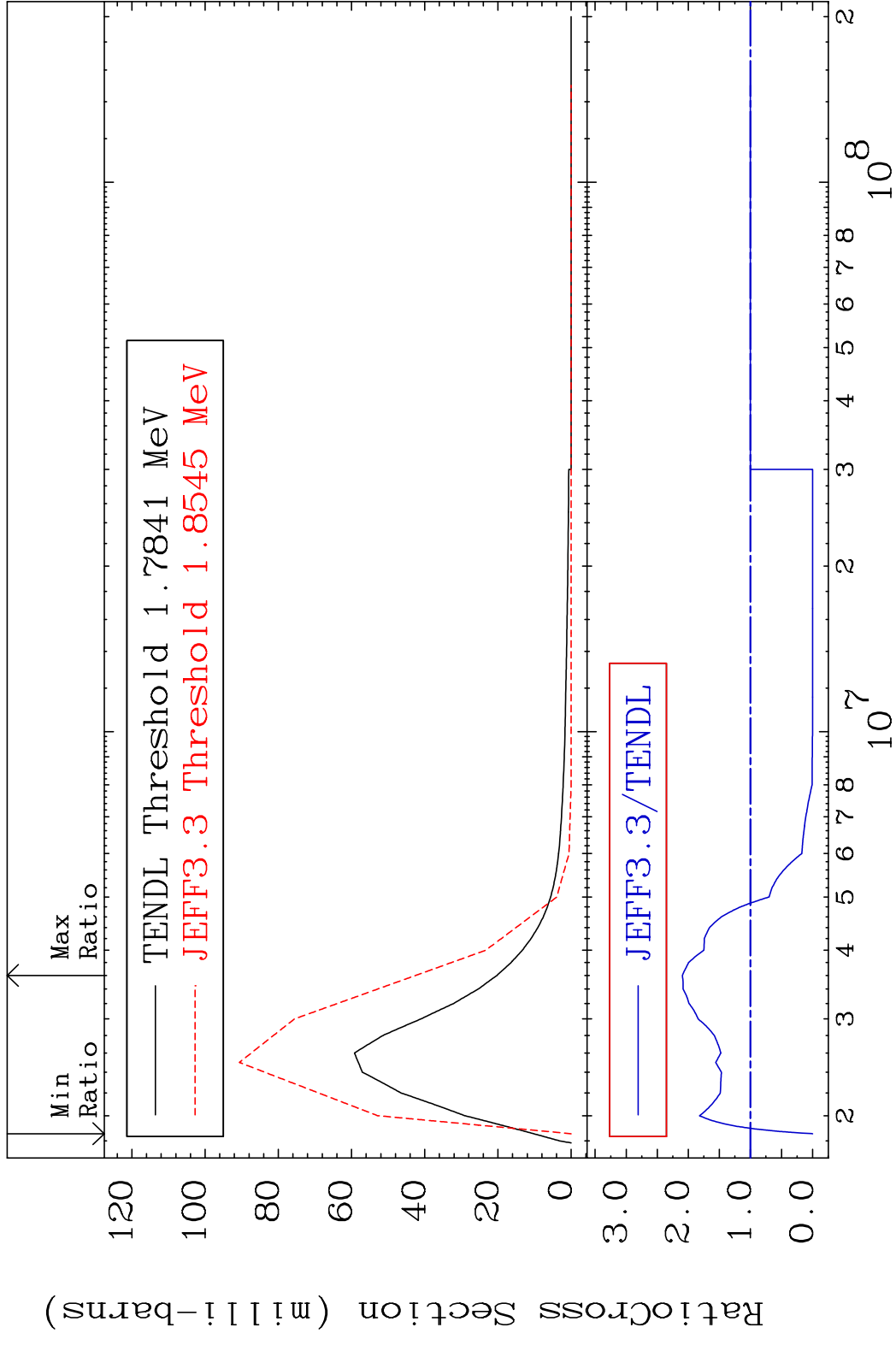
17 17 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 60 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 0.000 %

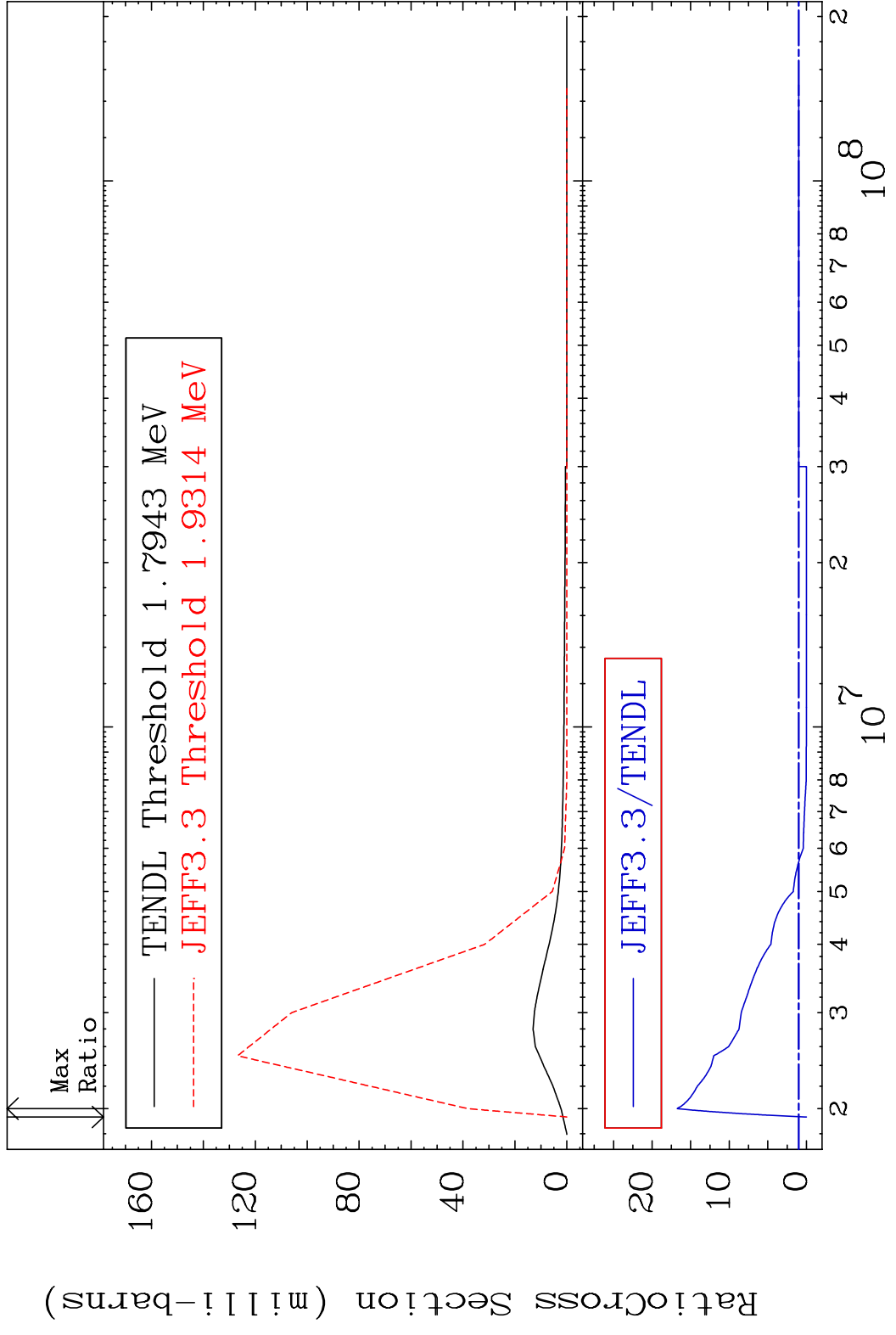


18 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 61 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 109.6 %

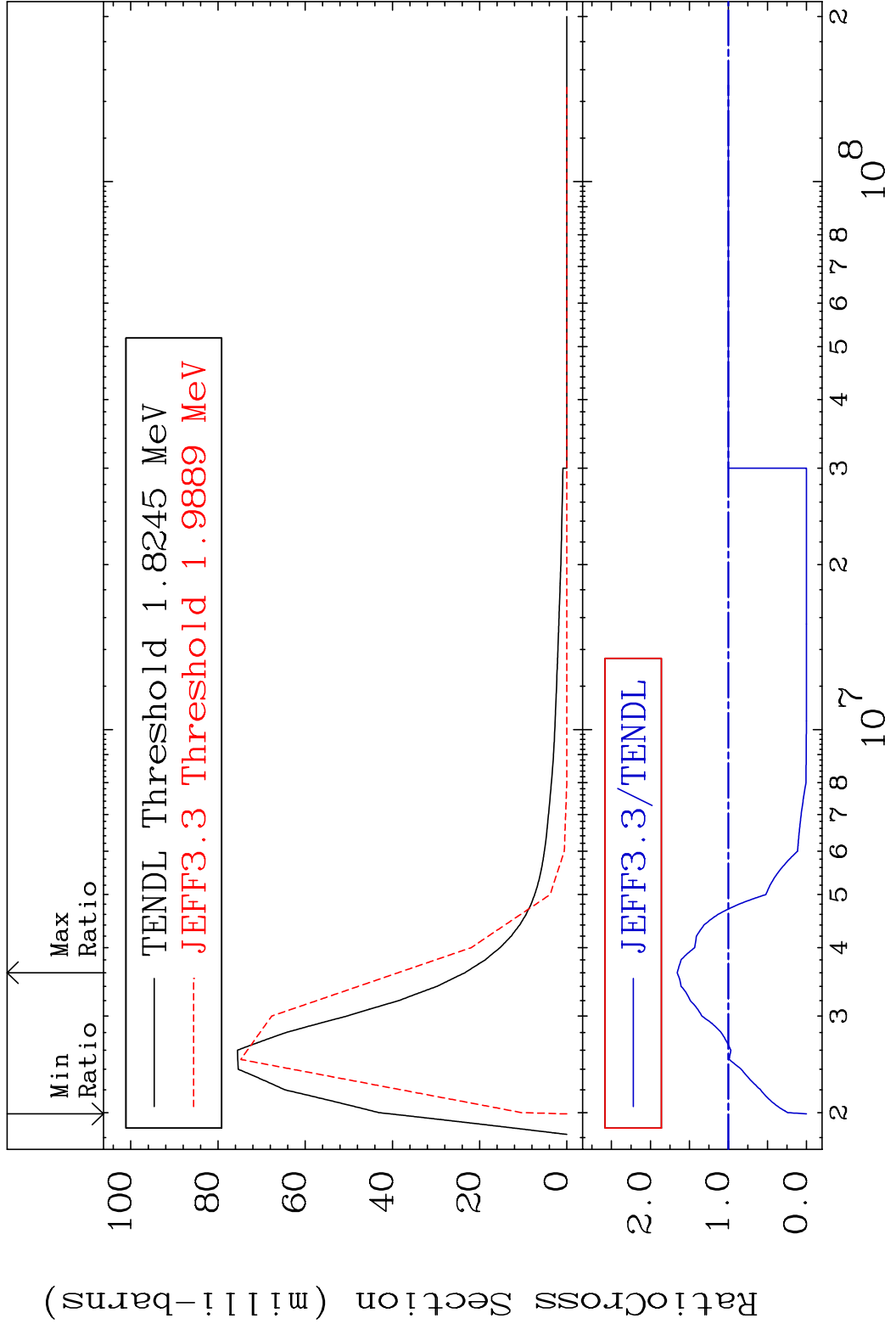


MAT 8025 MT= 62 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 1575. %

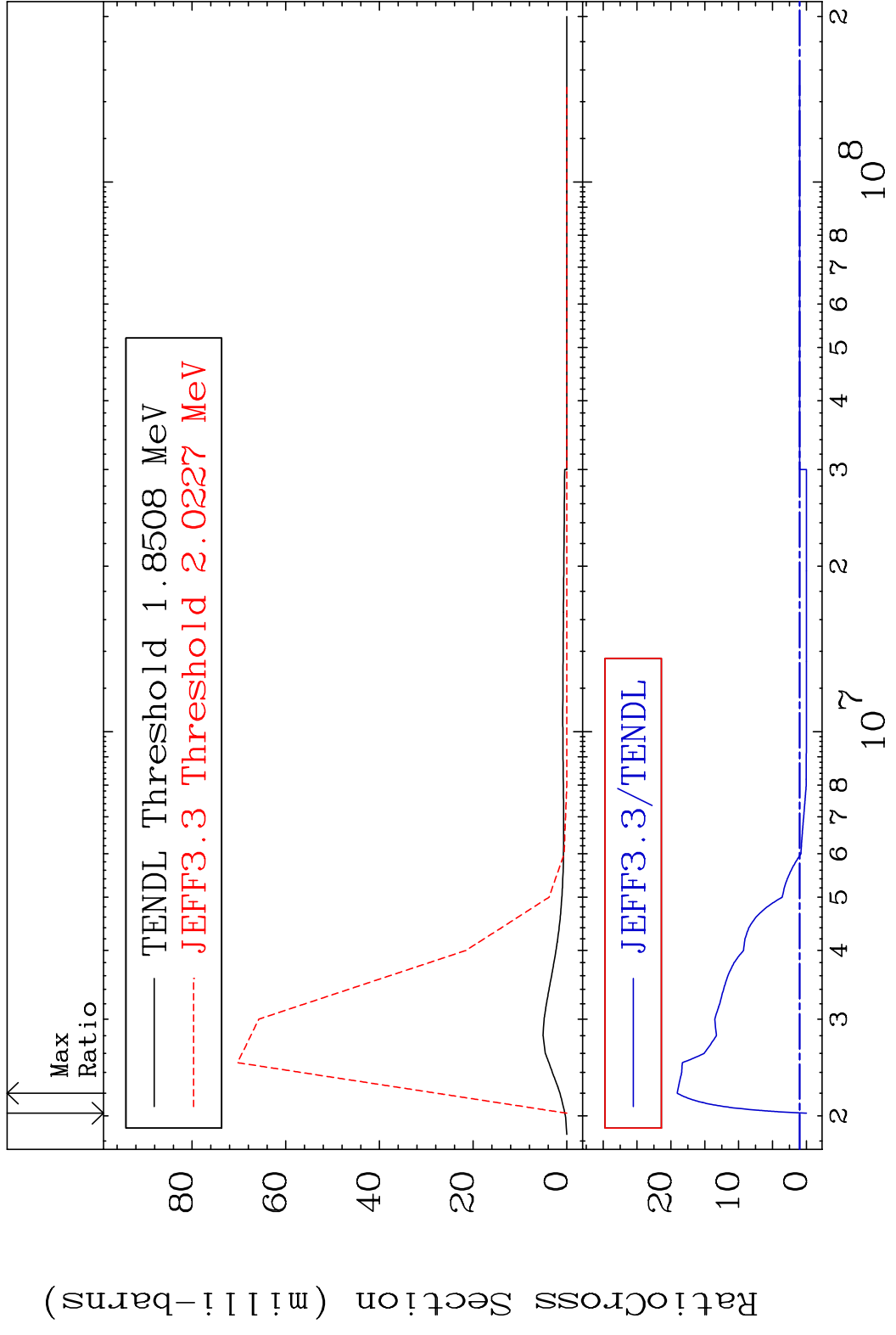


20 80-Hg-196

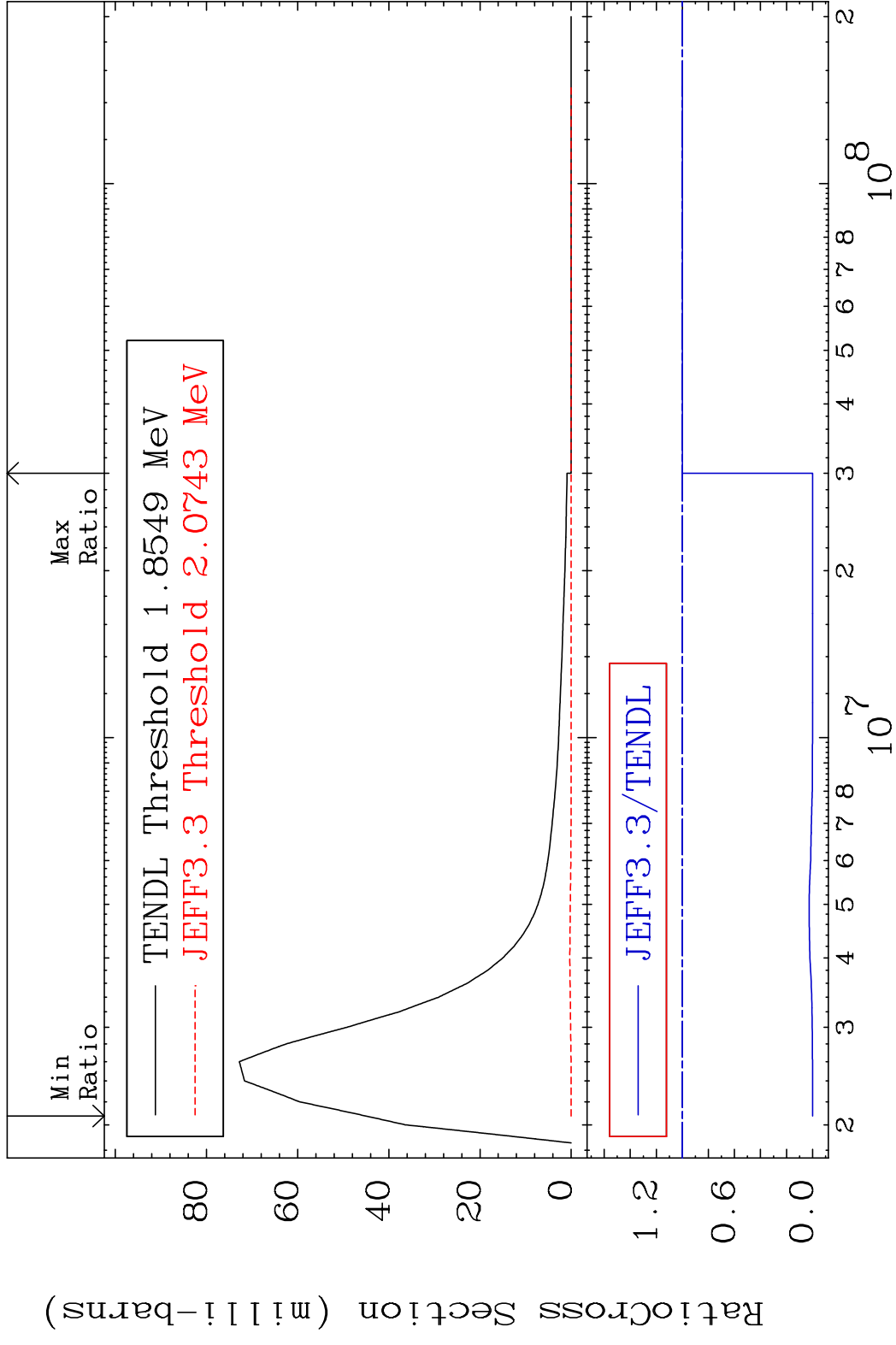
MAT 8025 MT= 63 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 65.71 %



MAT 8025      MT= 64 (n, n') Level      80-Hg-196  
 Cross Section    -100.0 To 1807. %

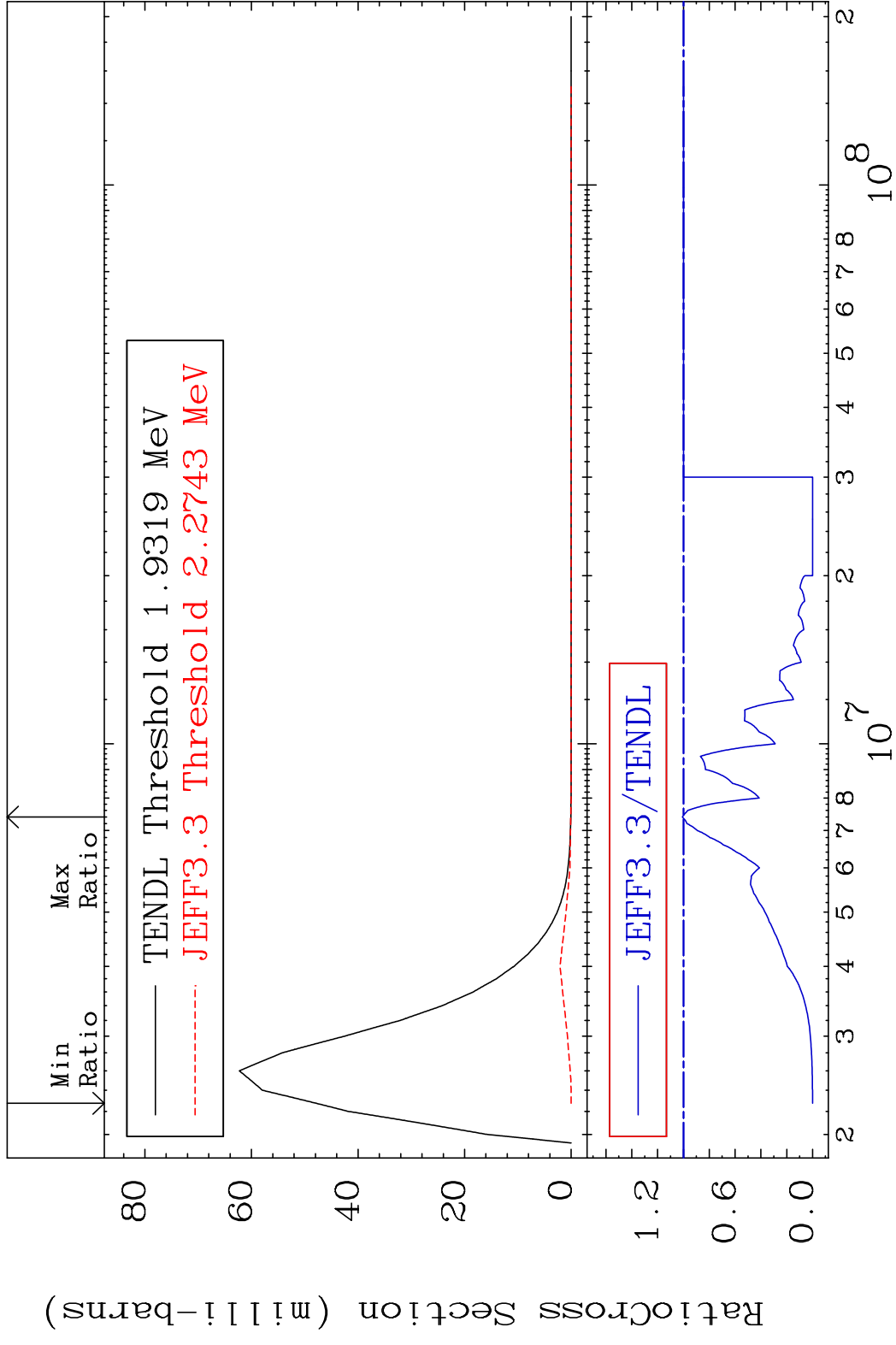


MAT 8025 MT= 65 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 0.000 %

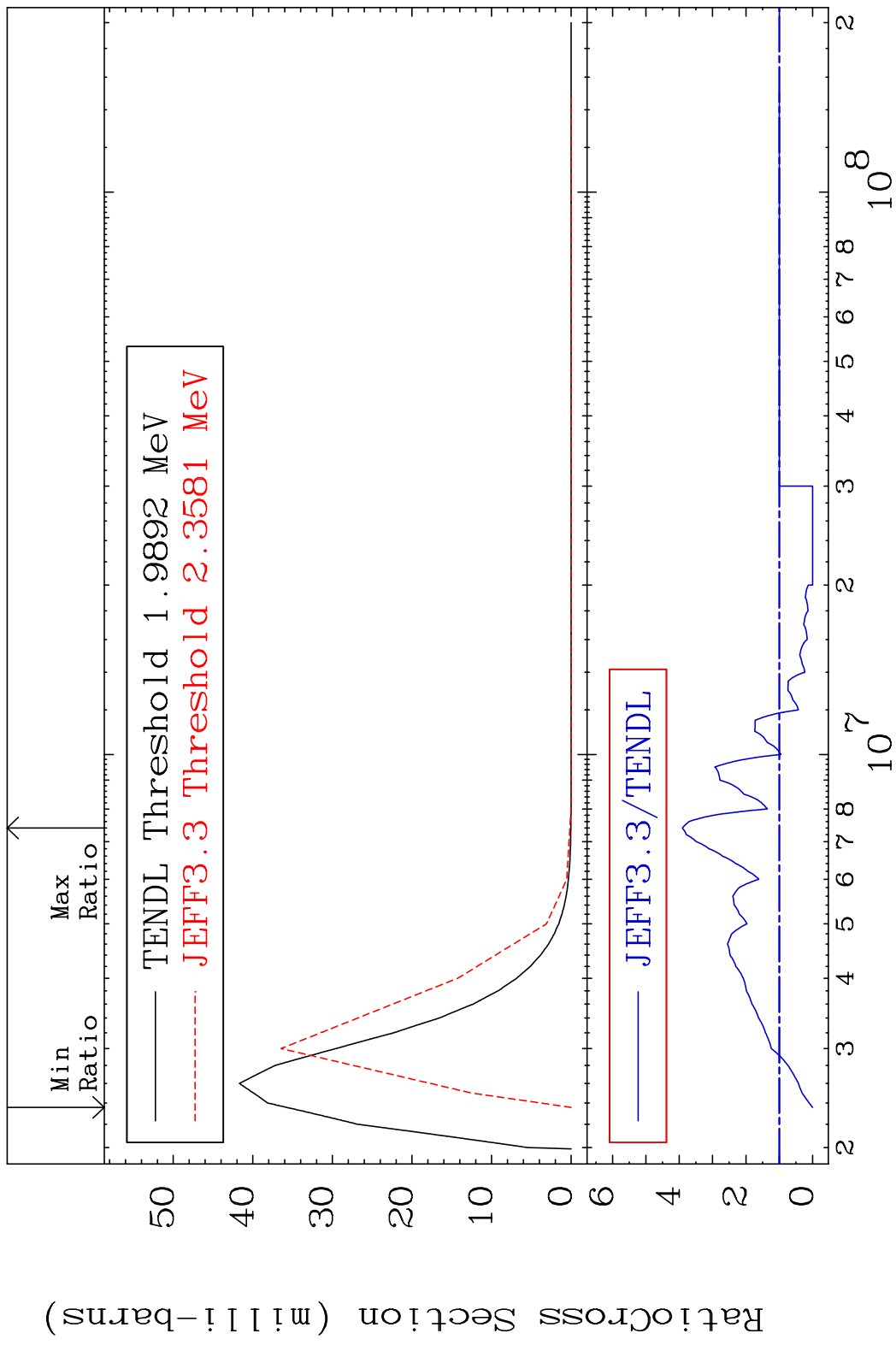




MAT 8025 MT= 66 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 0.838 %

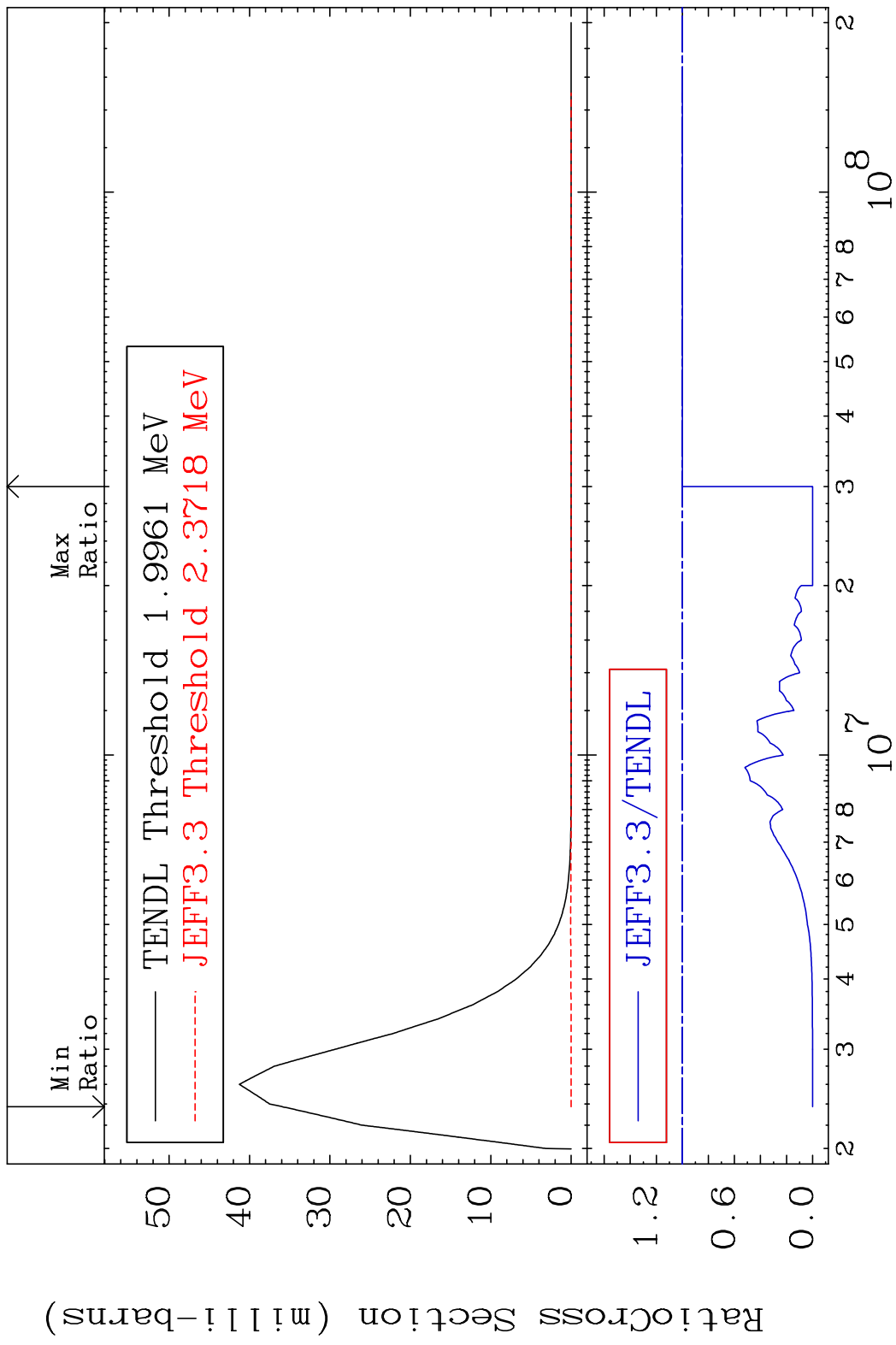


MAT 8025 MT= 67 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 290.7 %

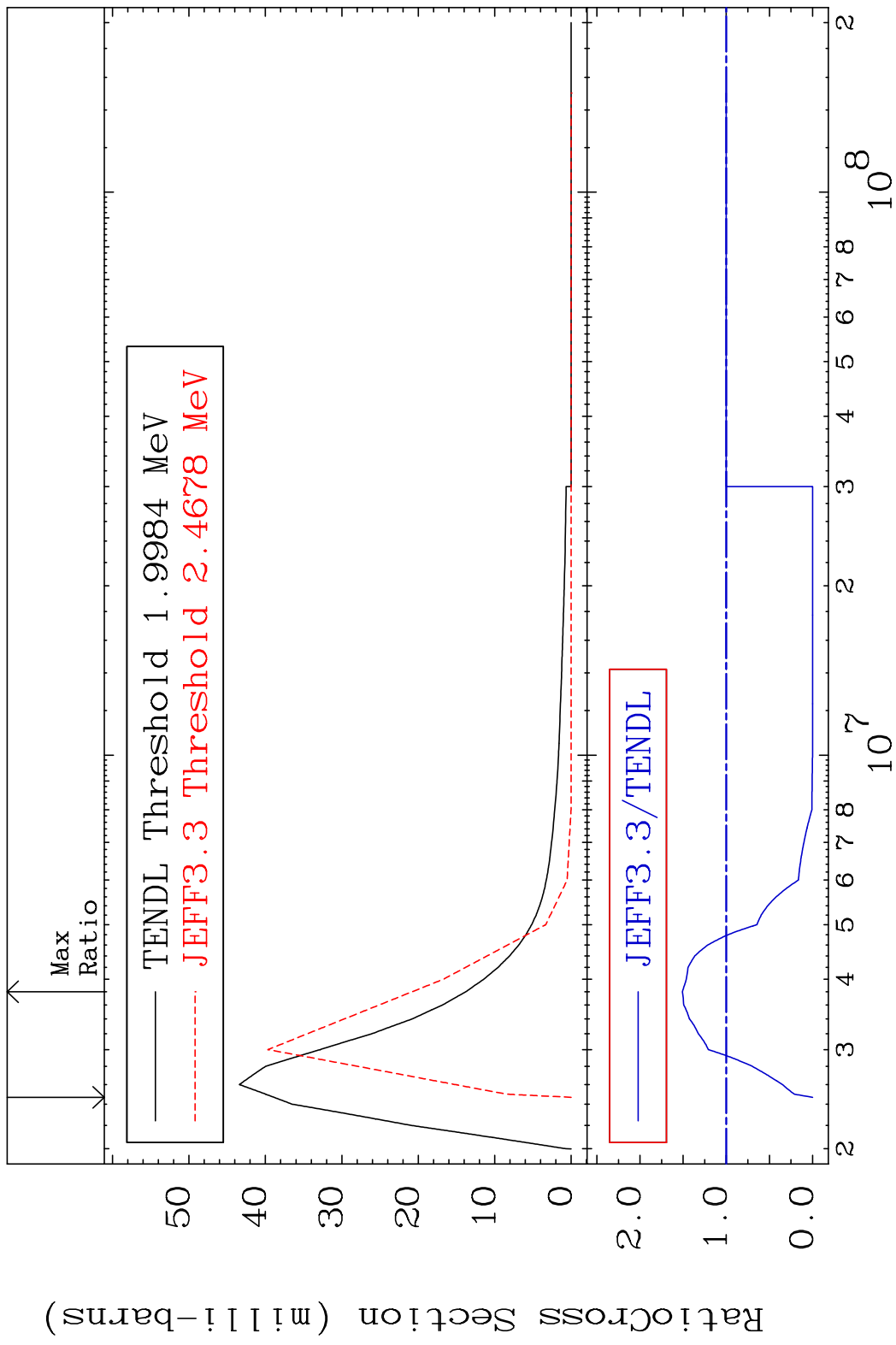


25 80-Hg-196

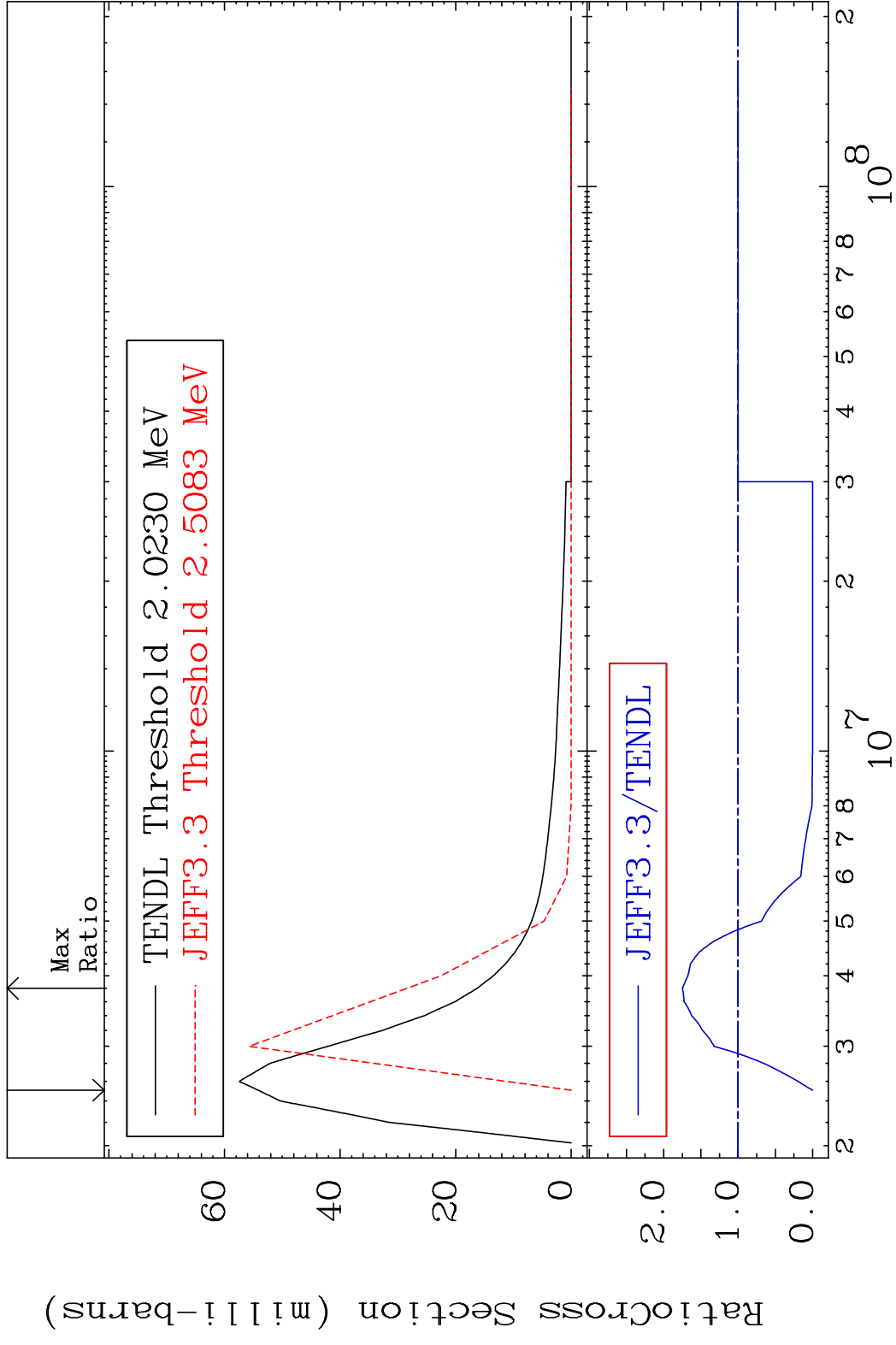
MAT 8025 MT= 68 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 0.000 %



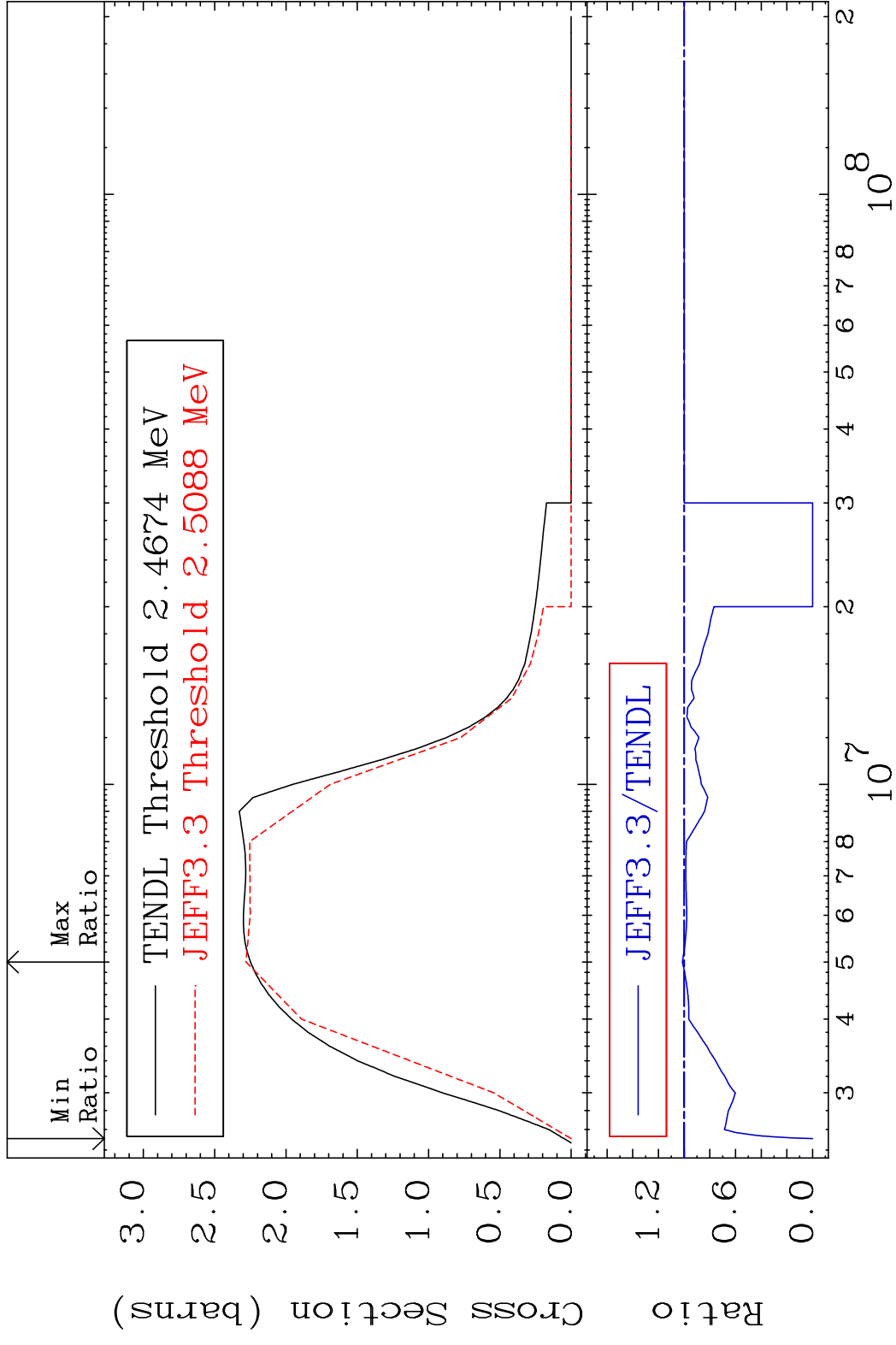
MAT 8025 MT= 69 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 50.92 %



MAT 8025 MT= 70 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 74.94 %



MAT 8025 (n, n') Continuum 80-Hg-196  
 Cross Section -100.0 To 1.388 %

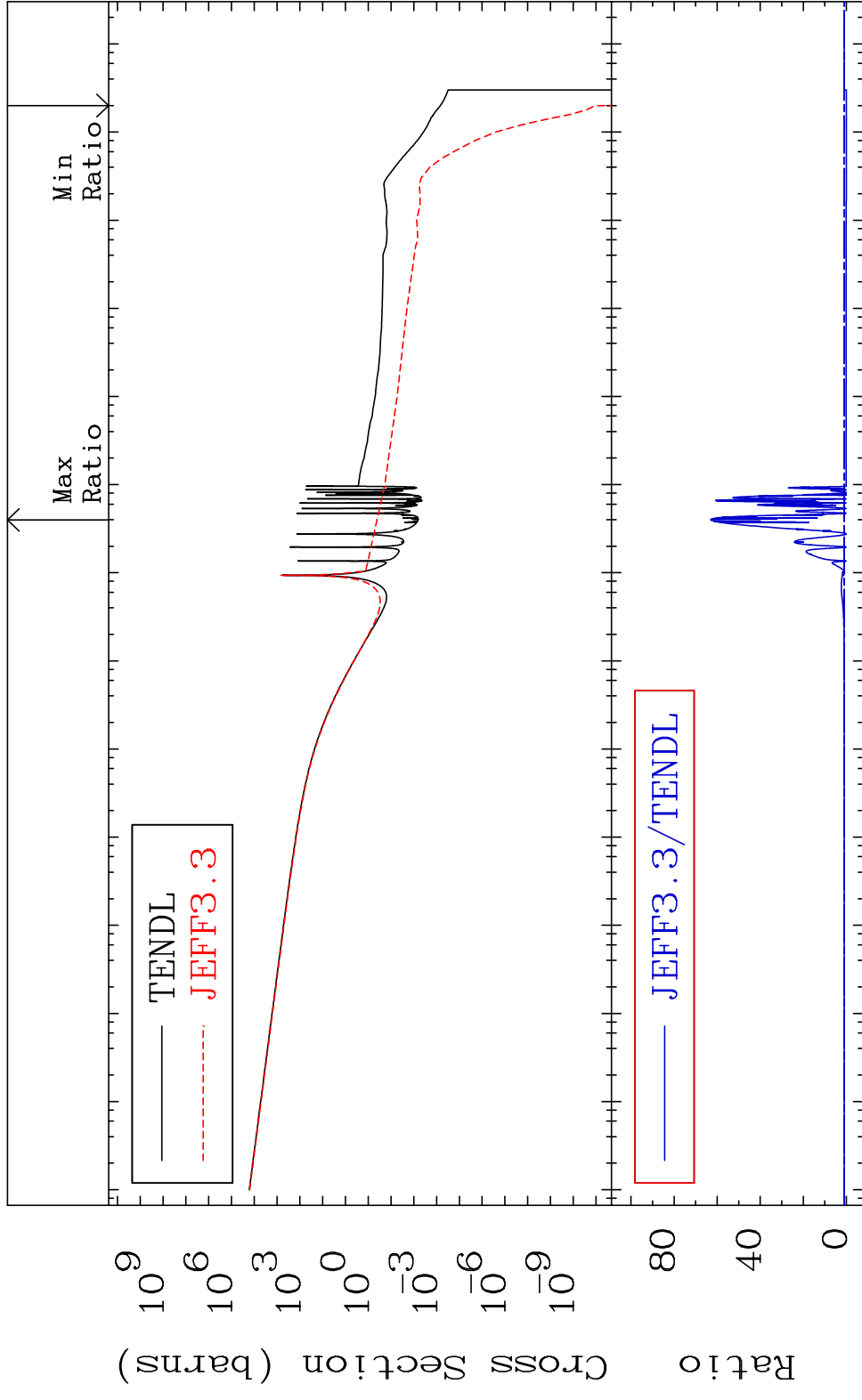


MAT 8025

80-Hg-196

(n,  $\gamma$ )

Cross Section -100.0 To 6199. %



30

Incident Energy (eV)

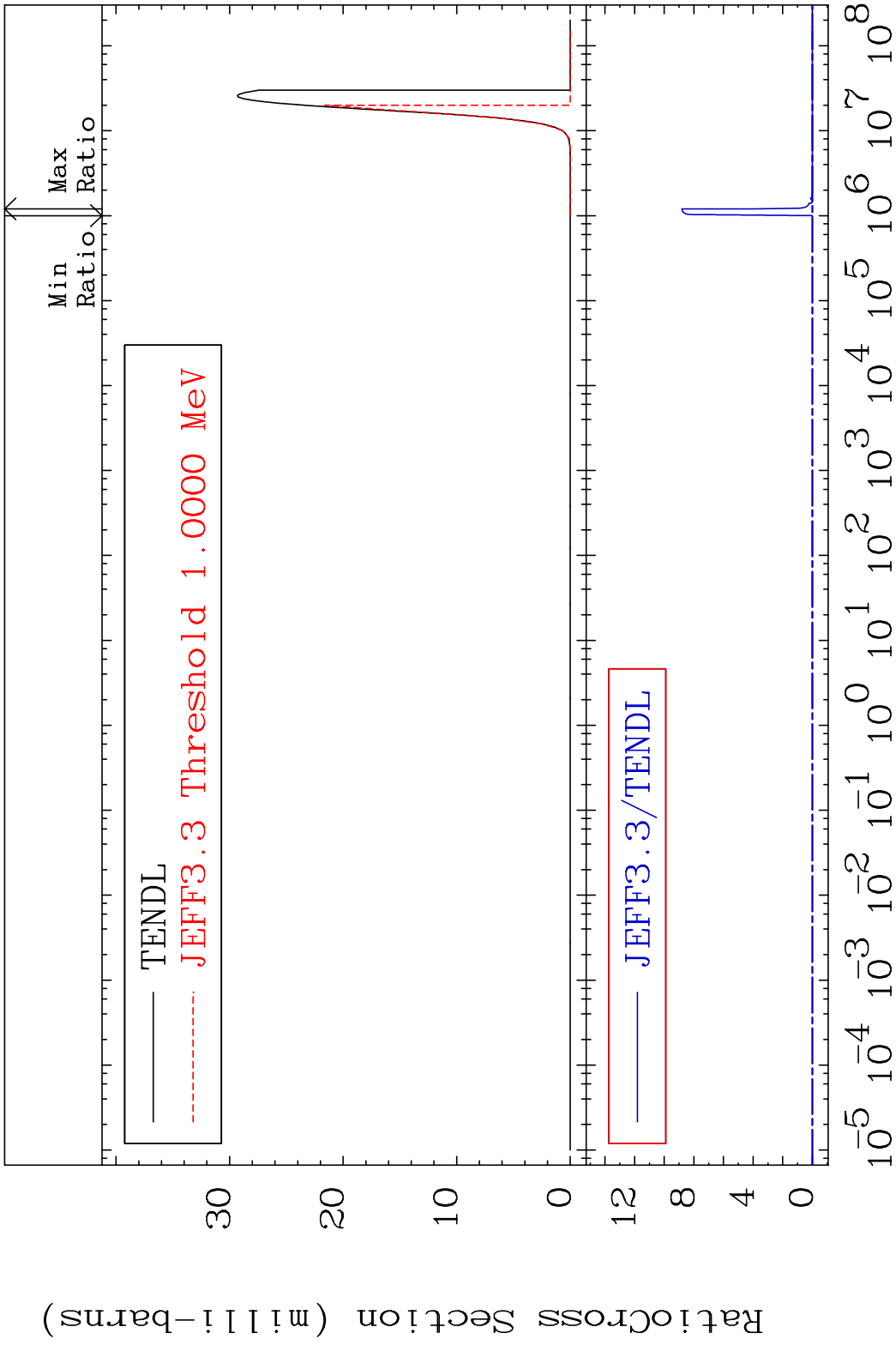
80-Hg-196

MAT 8025

(n, p)

80-Hg-196

Cross Section -100.0 To 9999. %



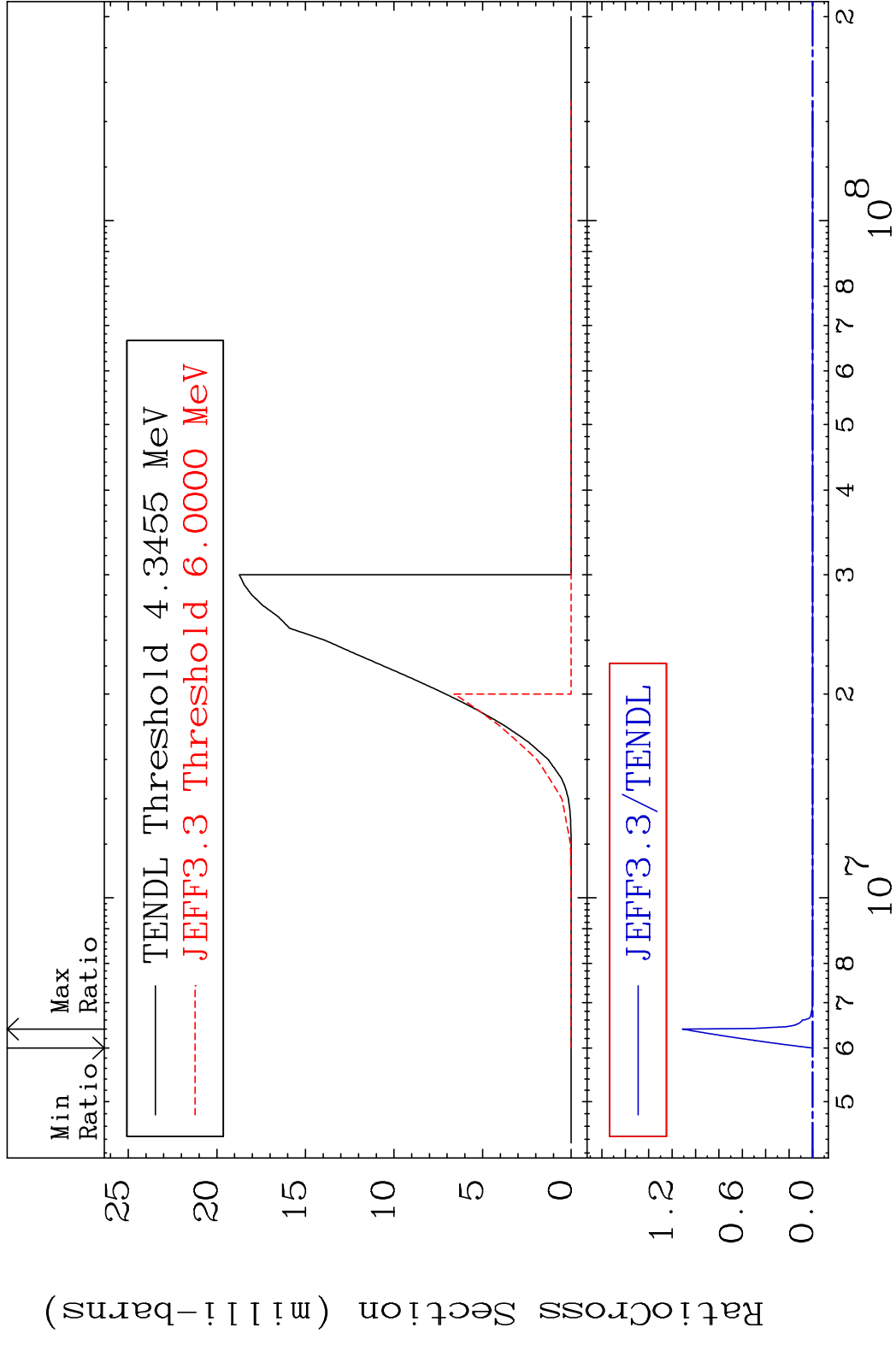
31

Incident Energy (eV)

80-Hg-196

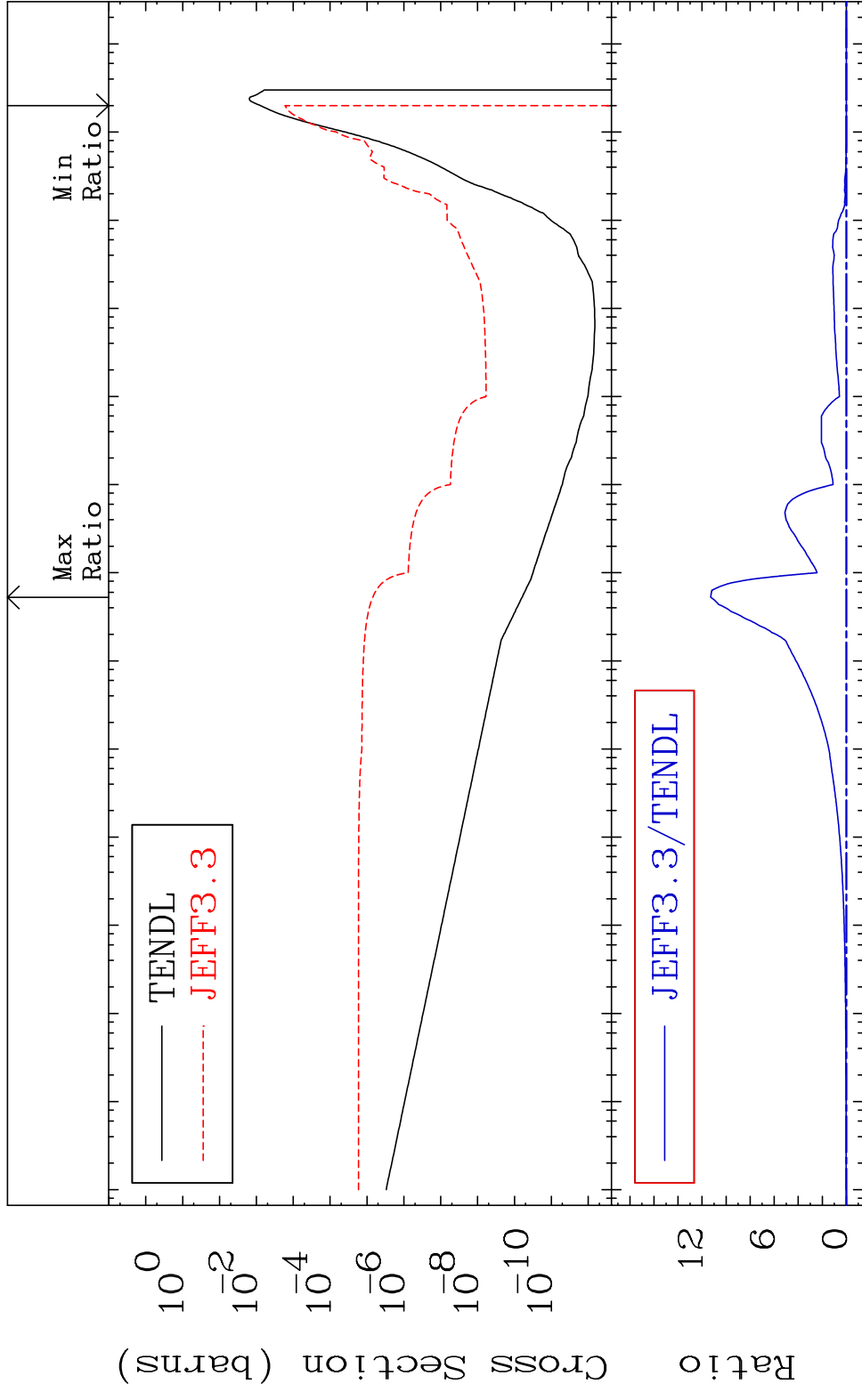


MAT 8025 (n,d) 80-Hg-196  
 Cross Section -100.0 To 9999. %



MAT 8025

(n,  $\alpha$ )  
Cross Section -100.0 To 9999. %  
80-Hg-196



33

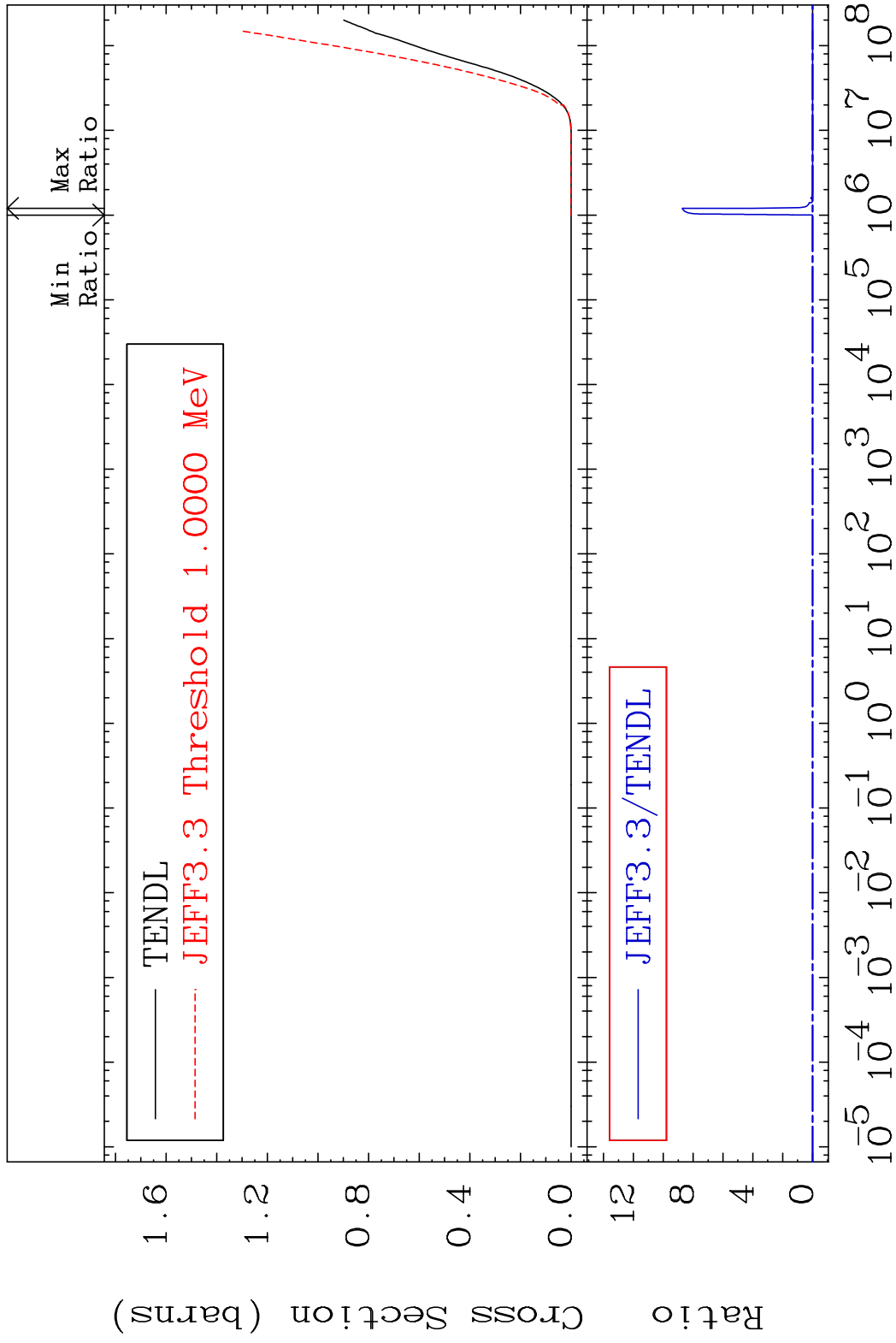
Incident Energy (eV) 80-Hg-196

MAT 8025

Hydrogen Production

80-Hg-196

Cross Section -100.0 To 9999. %



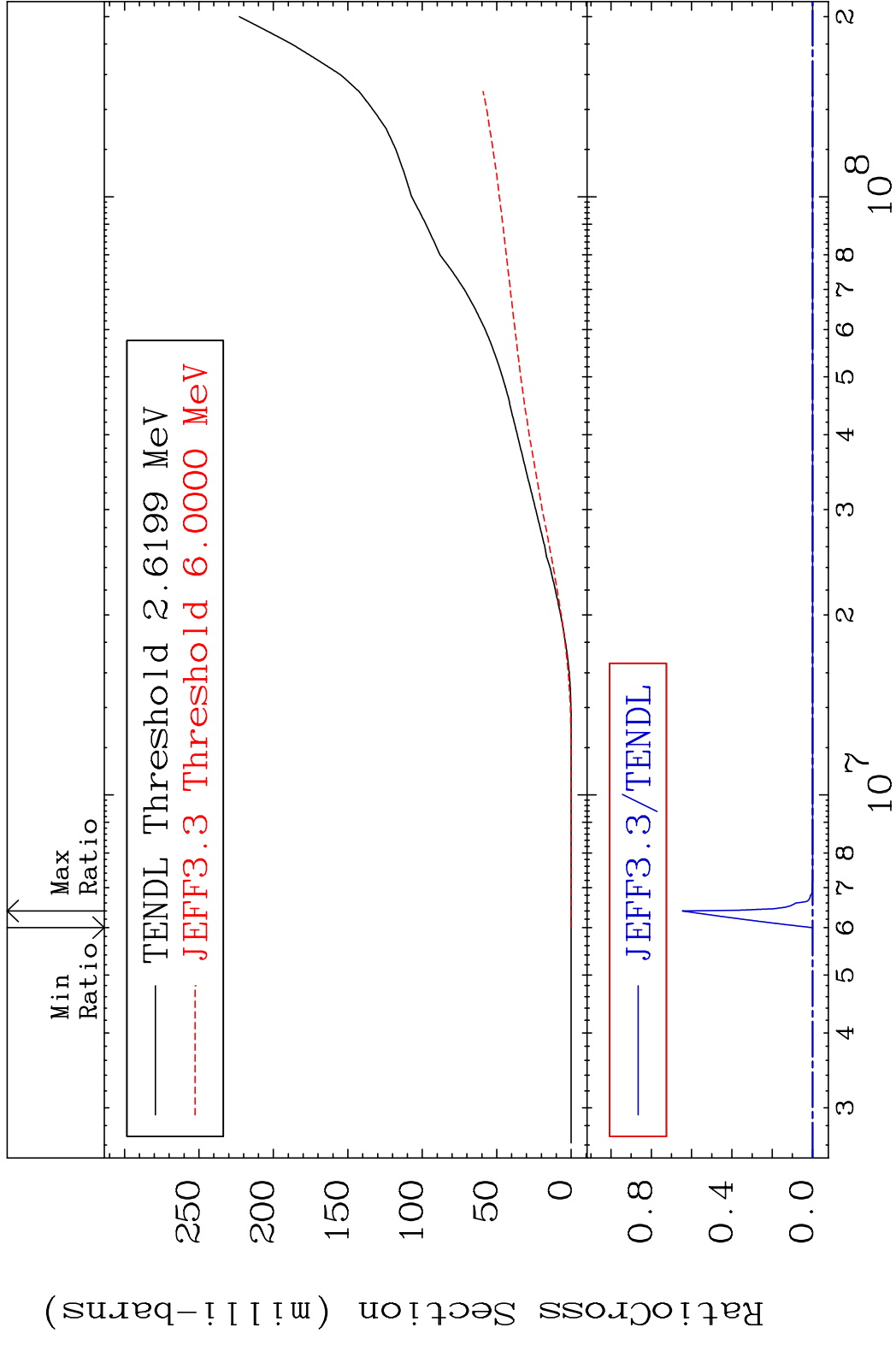
34

Incident Energy (eV)

80-Hg-196

MAT 8025

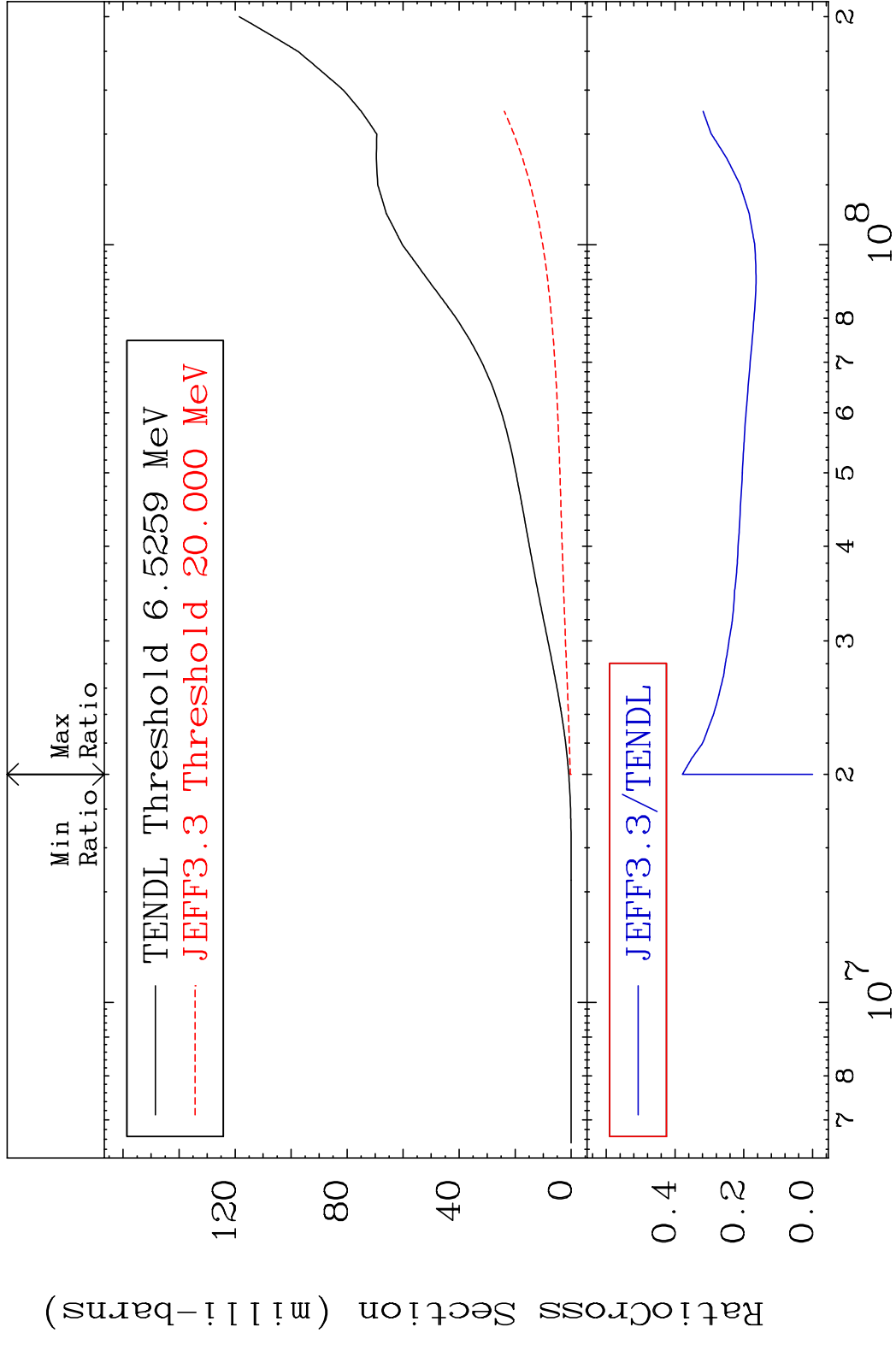
Deuterium Production 80-Hg-196  
Cross Section -100.0 To 9999. %



35

Incident Energy (eV) 80-Hg-196

MAT 8025 Tritium Production 80-Hg-196  
 Cross Section -100.0 To -62.13%

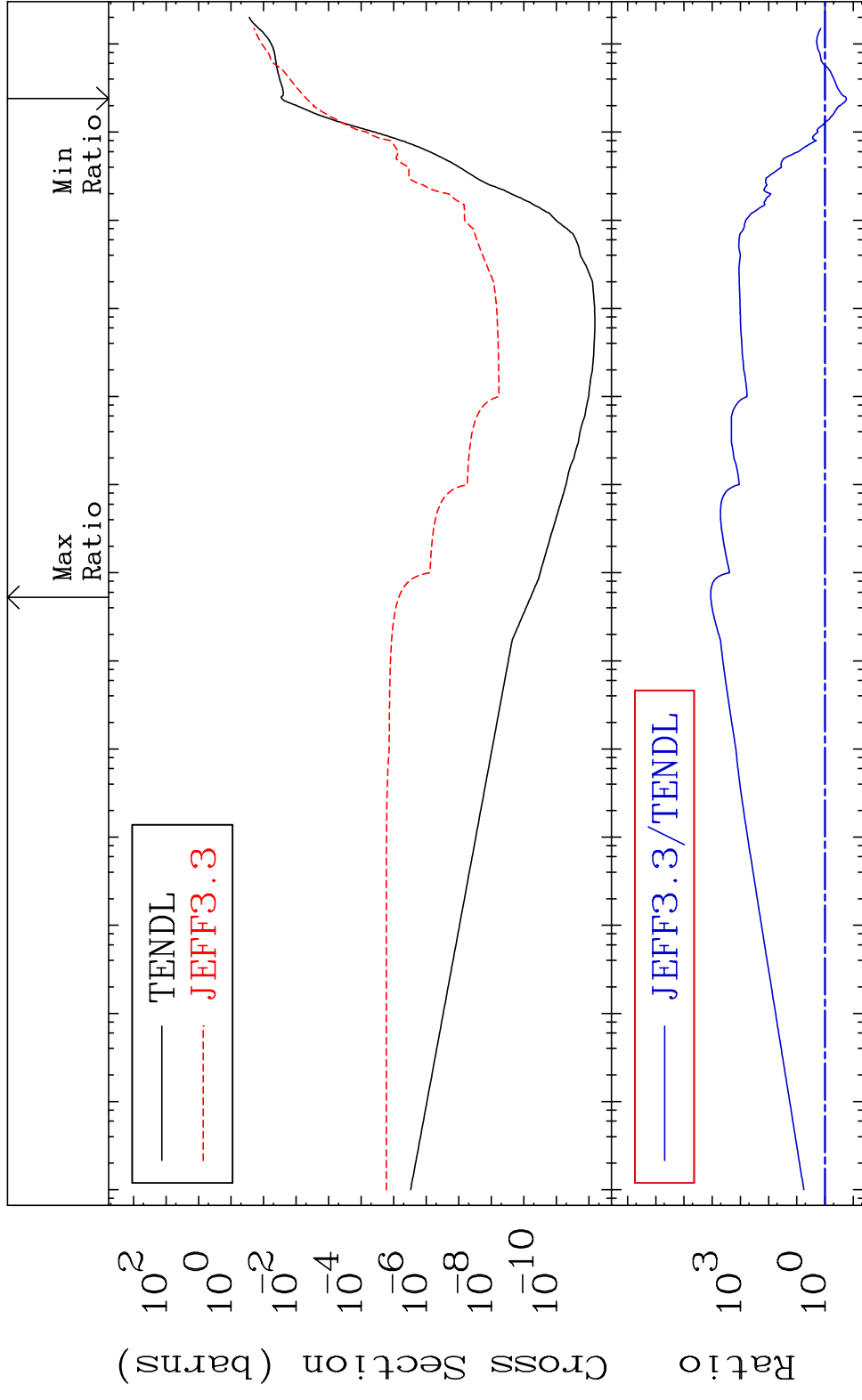


MAT 8025

He-4 Production

80-Hg-196

Cross Section -82.44 To 9999. %

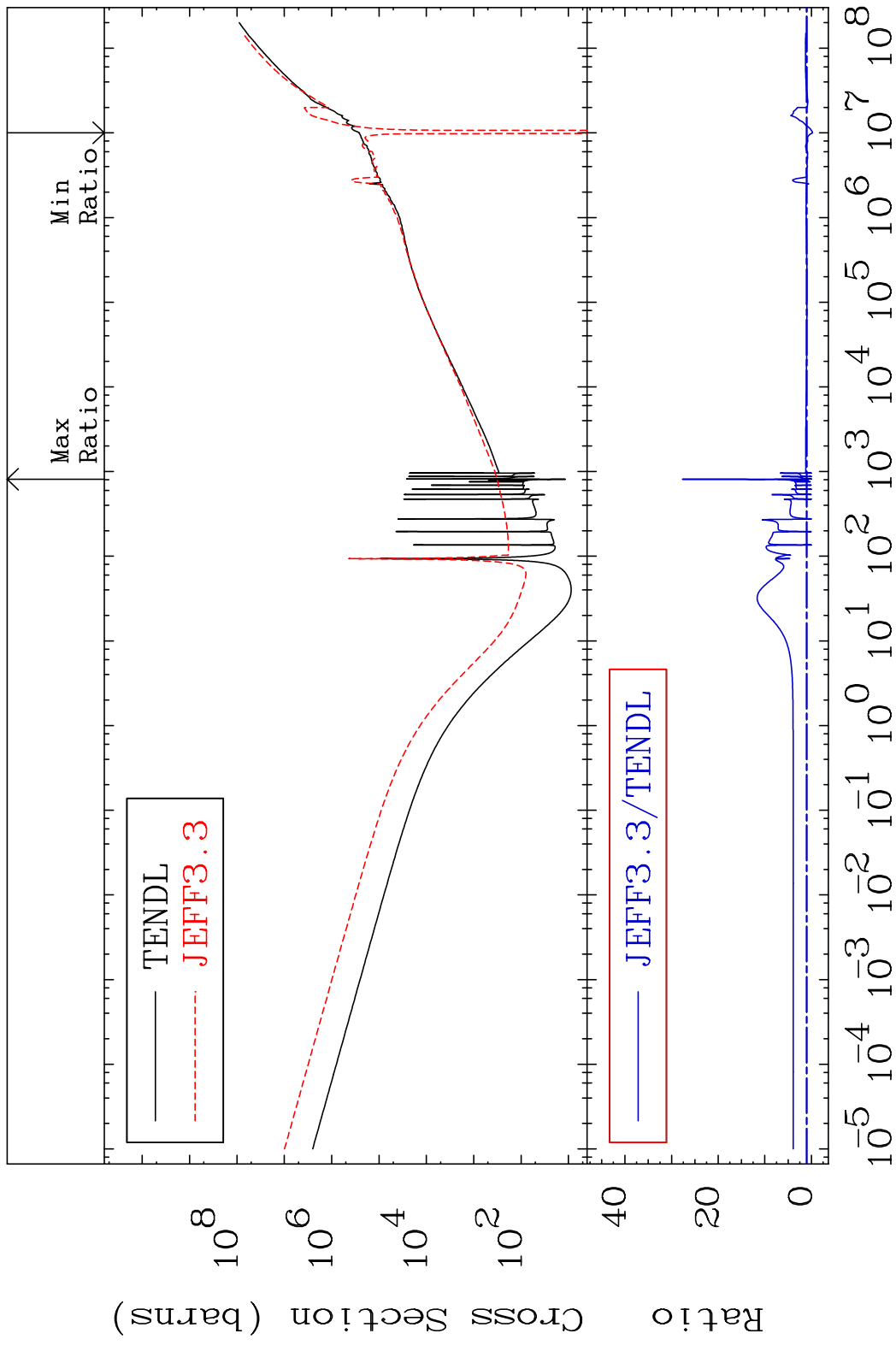


37

Incident Energy (eV)

80-Hg-196

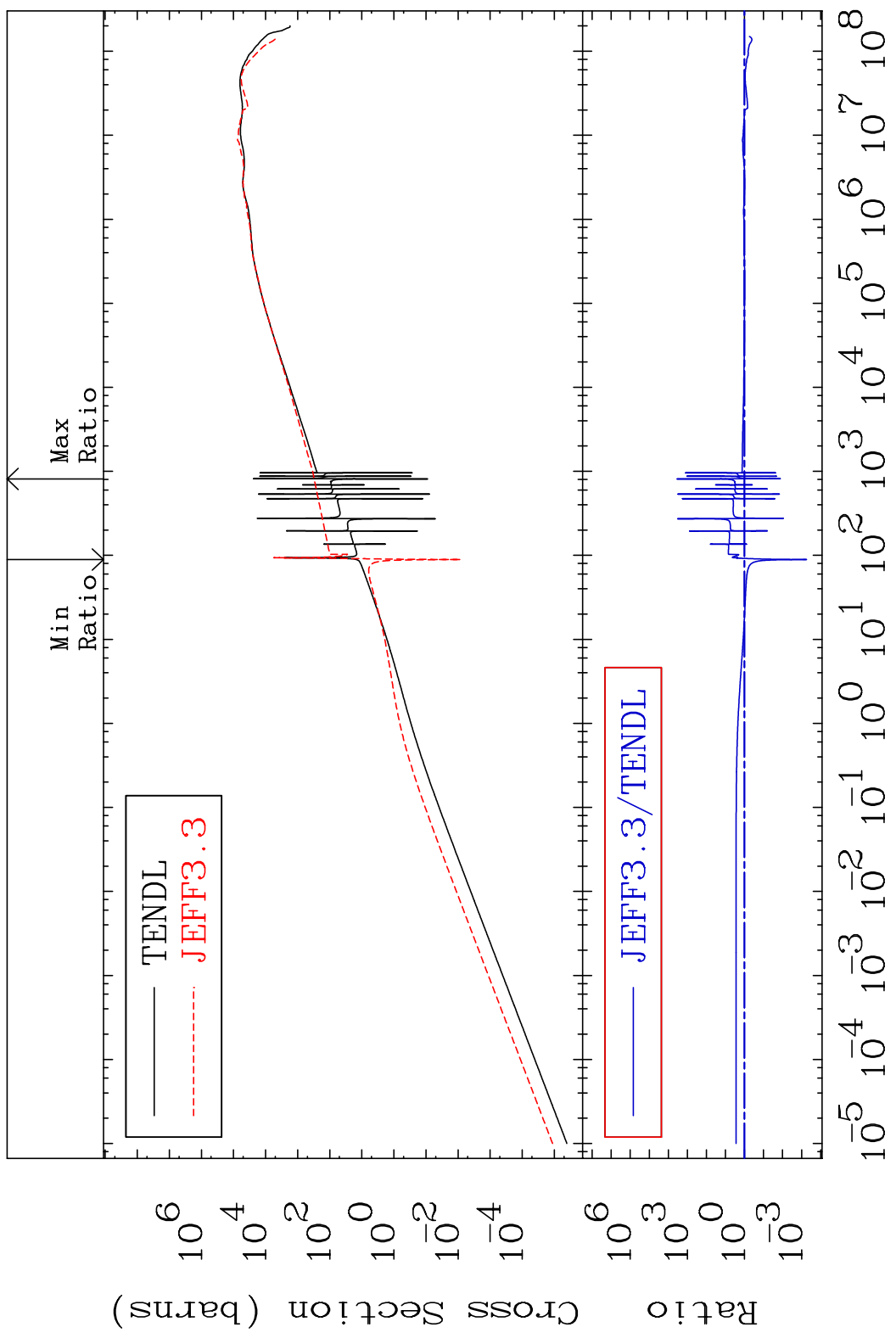
MAT 8025 Kerma total (eV-barns) 80-Hg-196  
 Cross Section -123.8 To 2669. %



38 Incident Energy (eV) 80-Hg-196

MAT 8025

Kerma elastic Cross Section -99.94 To 9999. %  
80-Hg-196

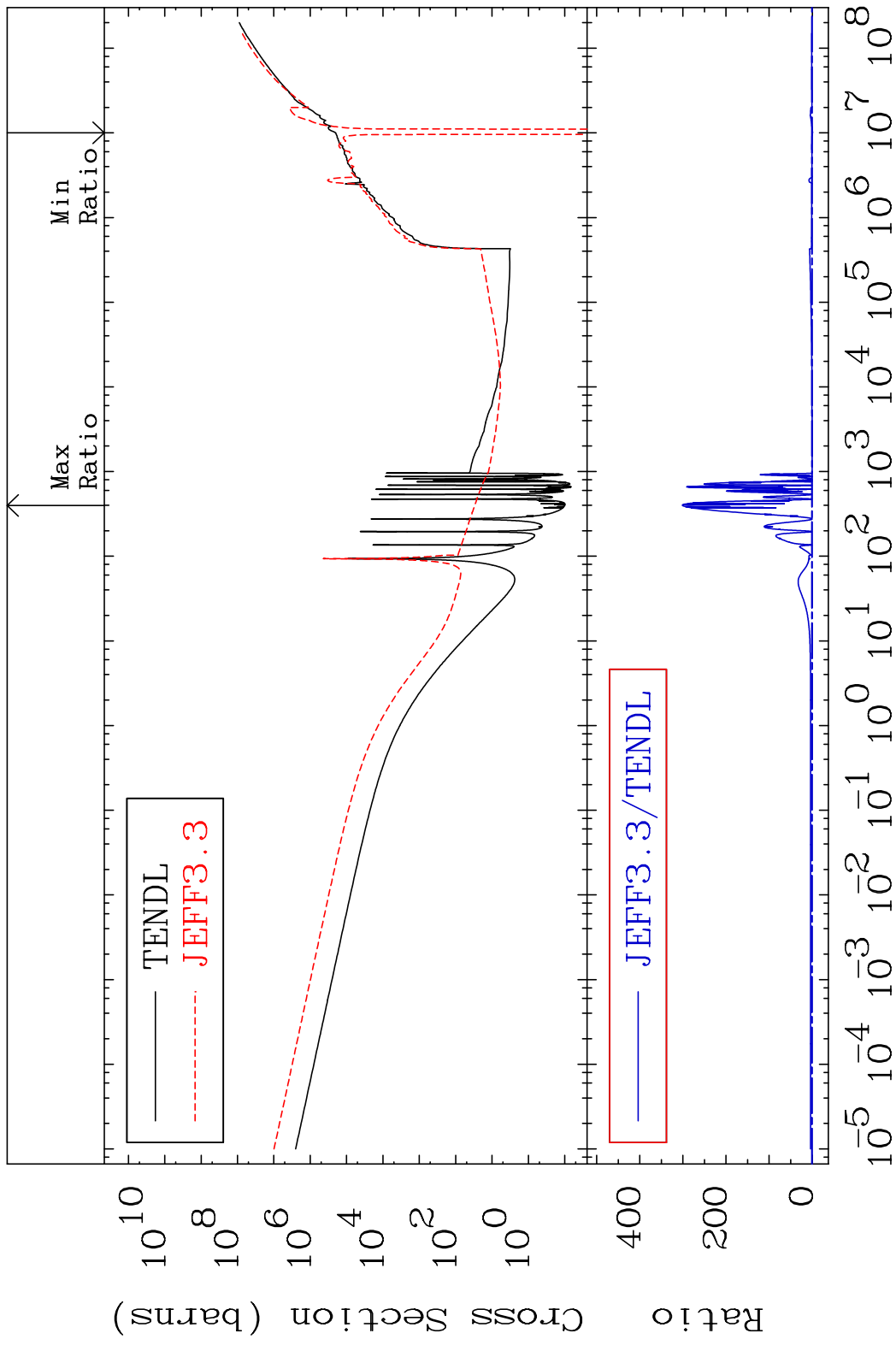


39

Incident Energy (eV) 80-Hg-196

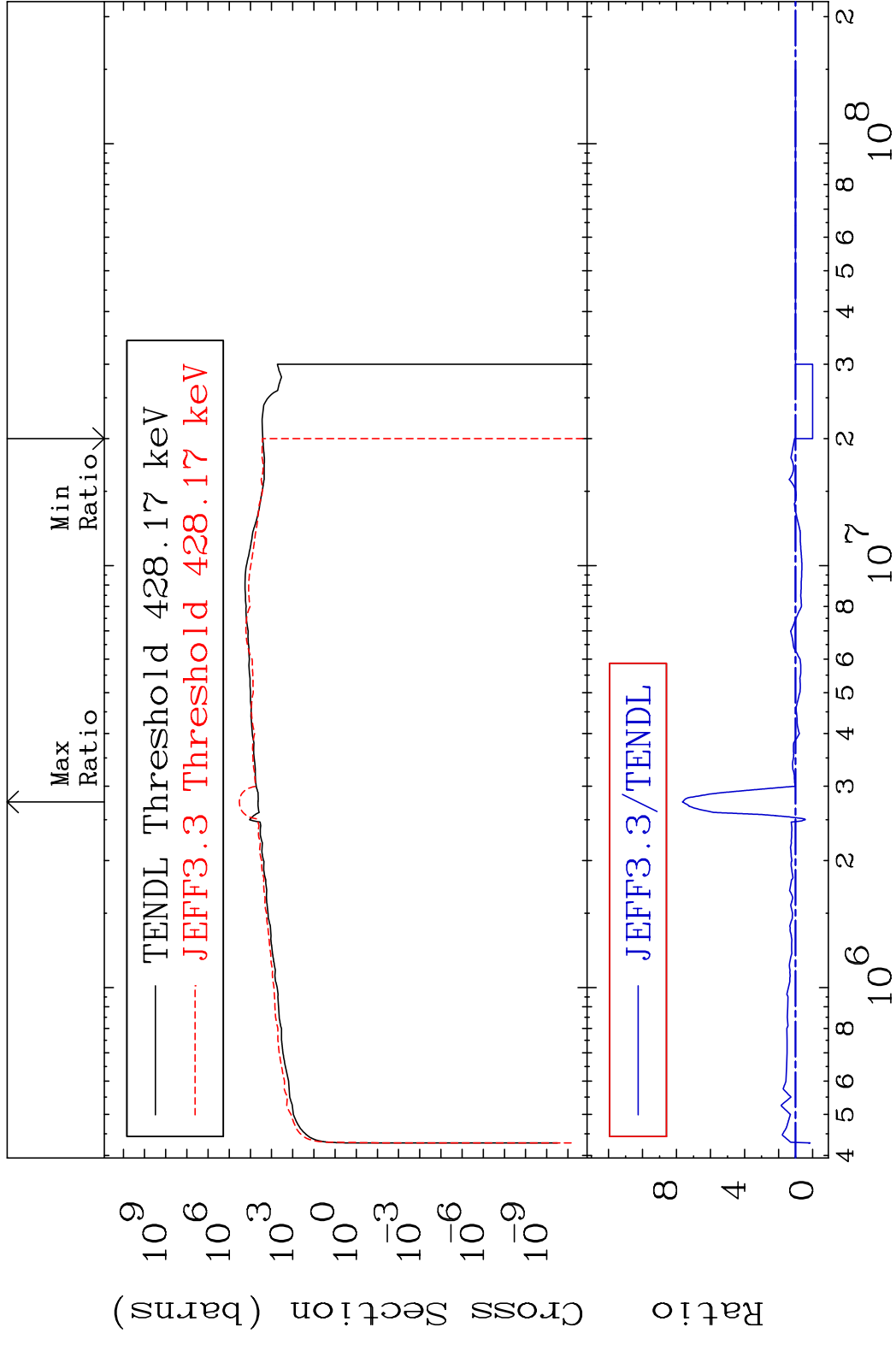


MAT 8025 Kerma non-elastic (all but mt2) 80-Hg-196  
 Cross Section -166.7 To 9999. %

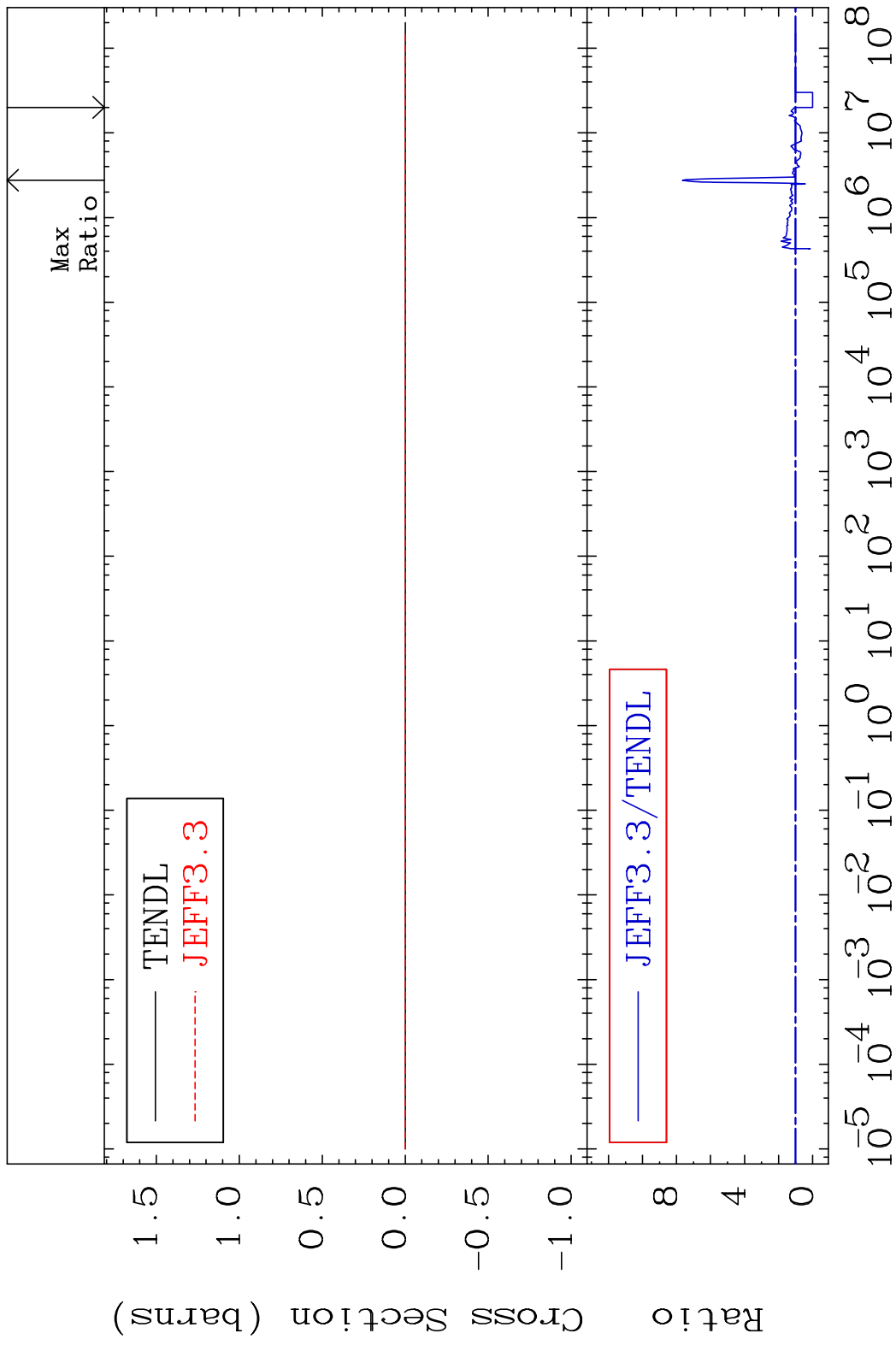


40 Incident Energy (eV) 80-Hg-196

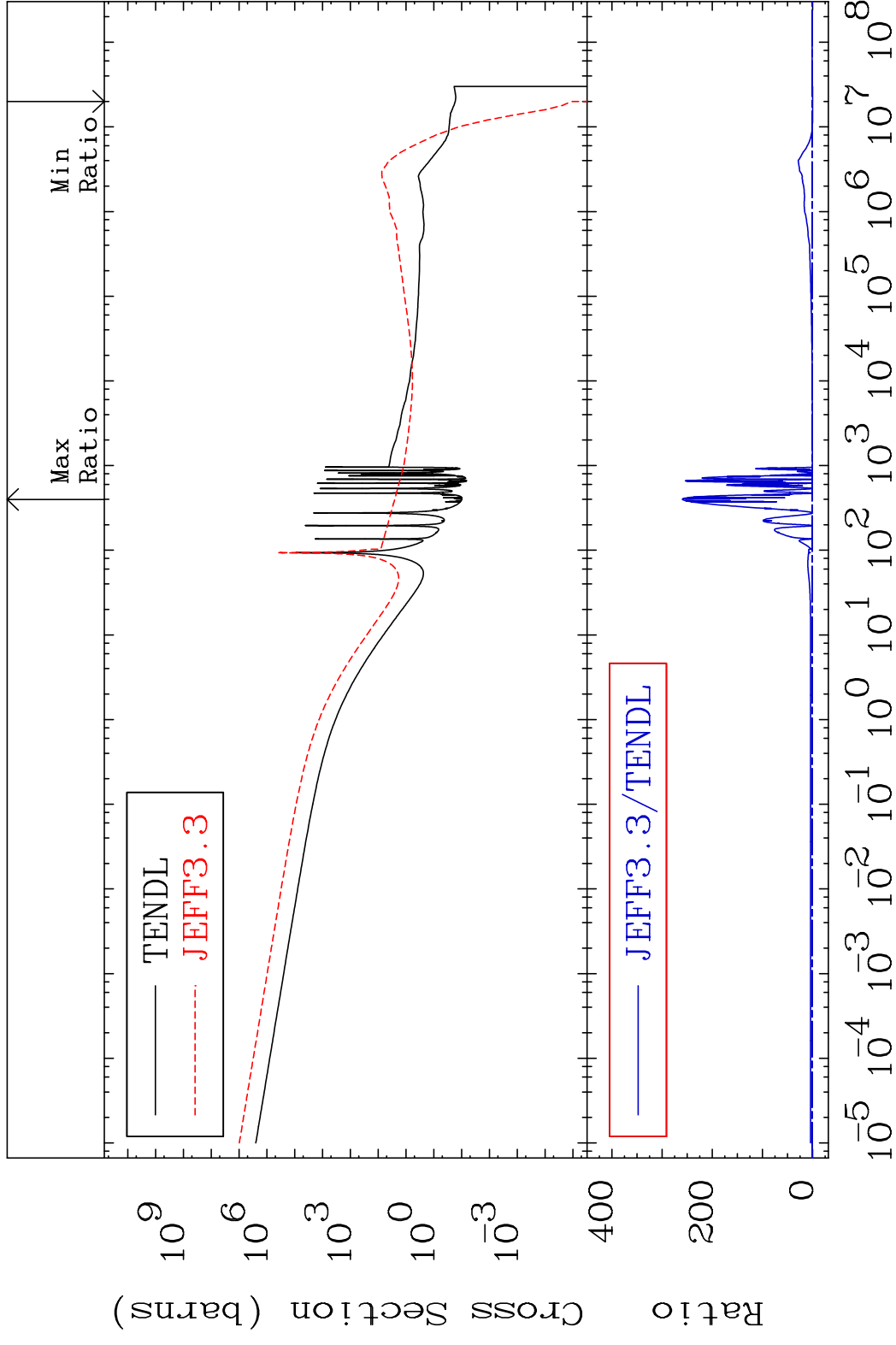
MAT 8025 Kerma inelastic (mt51-91) 80-Hg-196  
 Cross Section -100.0 To 665.7 %



MAT 8025 Kerma fission (mt18 or mt19-20-21-38)  $\beta_0$ -Hg-196  
 Cross Section -100.0 To 665.7 %

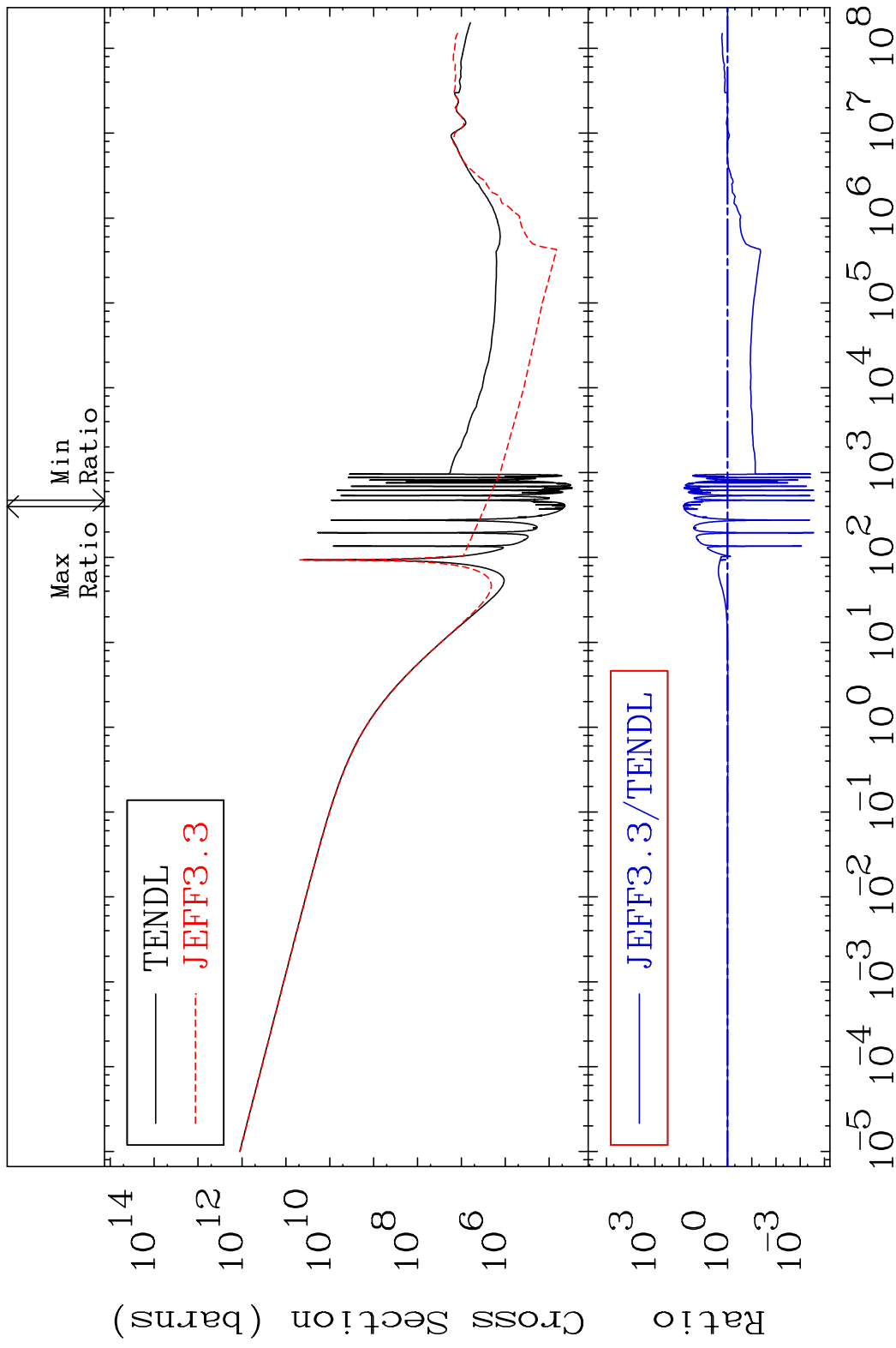


MAT 8025 Kerma capture (mt102) 80-Hg-196  
 Cross Section -100.0 To 9999. %



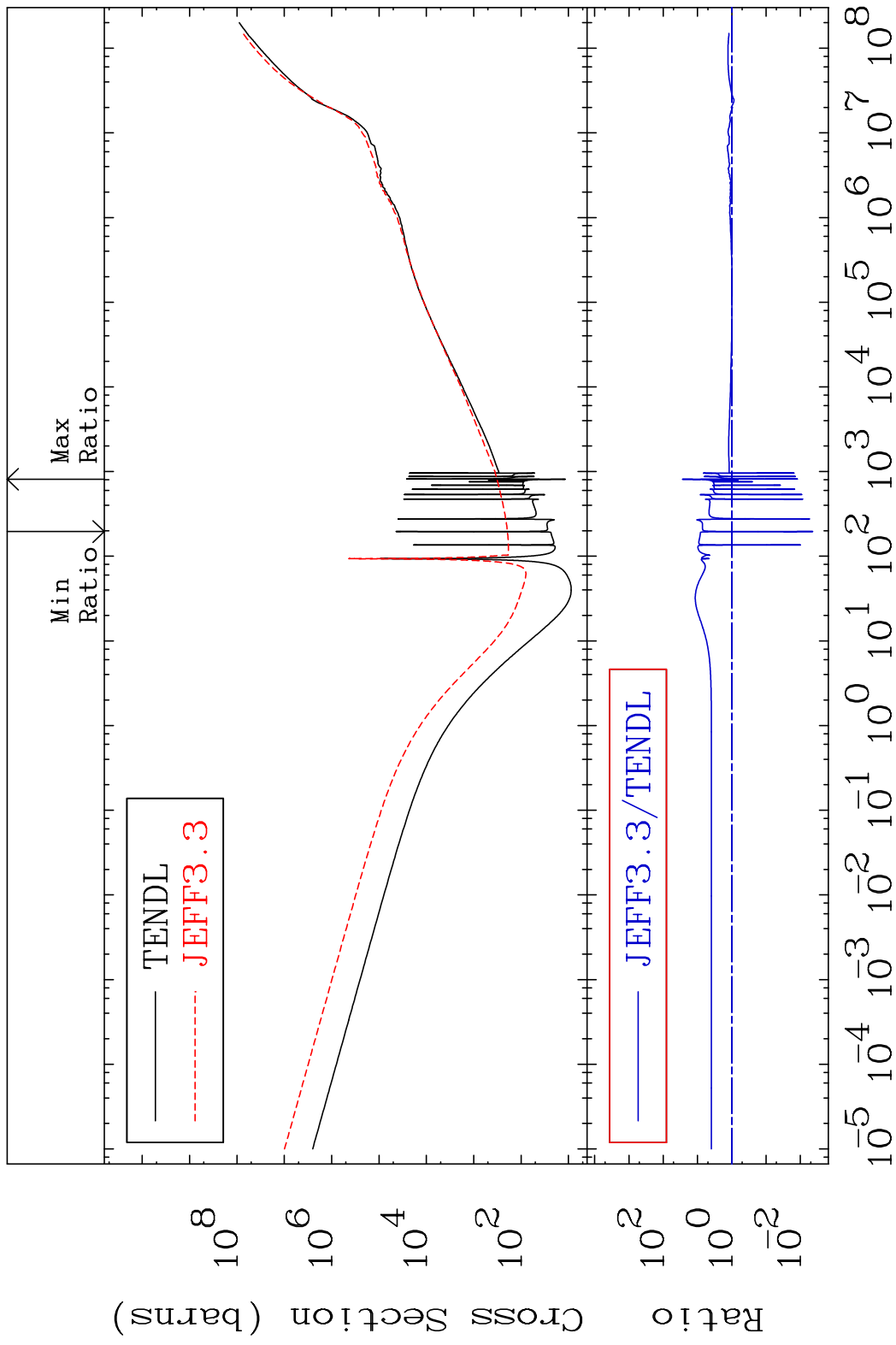
43 Incident Energy (eV) 80-Hg-196

MAT 8025 Total photon (eV-barns) 80-Hg-196  
 Cross Section -99.97 To 6381. %



44 Incident Energy (eV) 80-Hg-196

MAT 8025 Total kinematic kerma (high limit) 80-Hg-196  
 Cross Section -99.56 To 2669. %

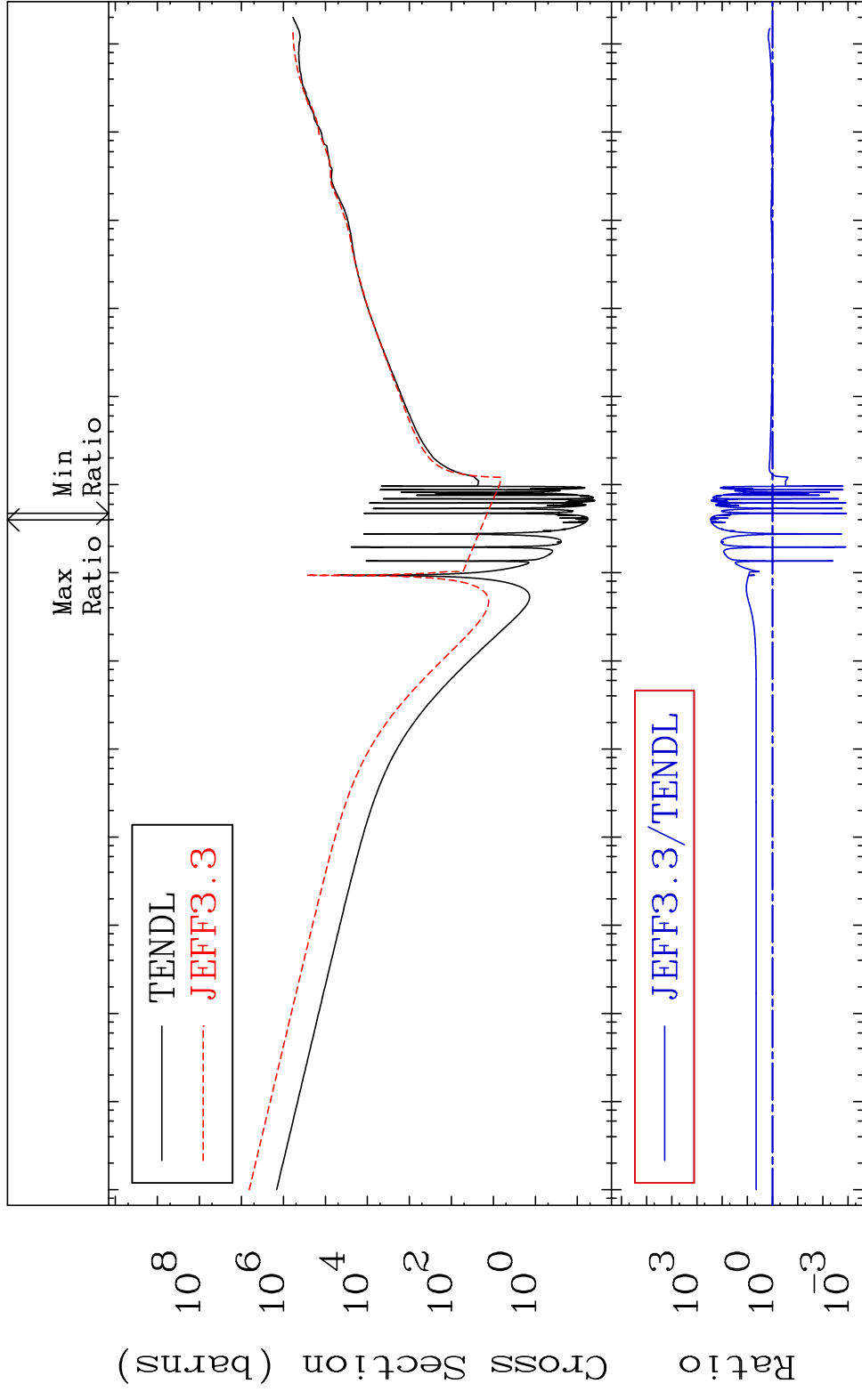


MAT 8025

Dpa total (eV-barns)

80-Hg-196

Cross Section -99.88 To 9999. %



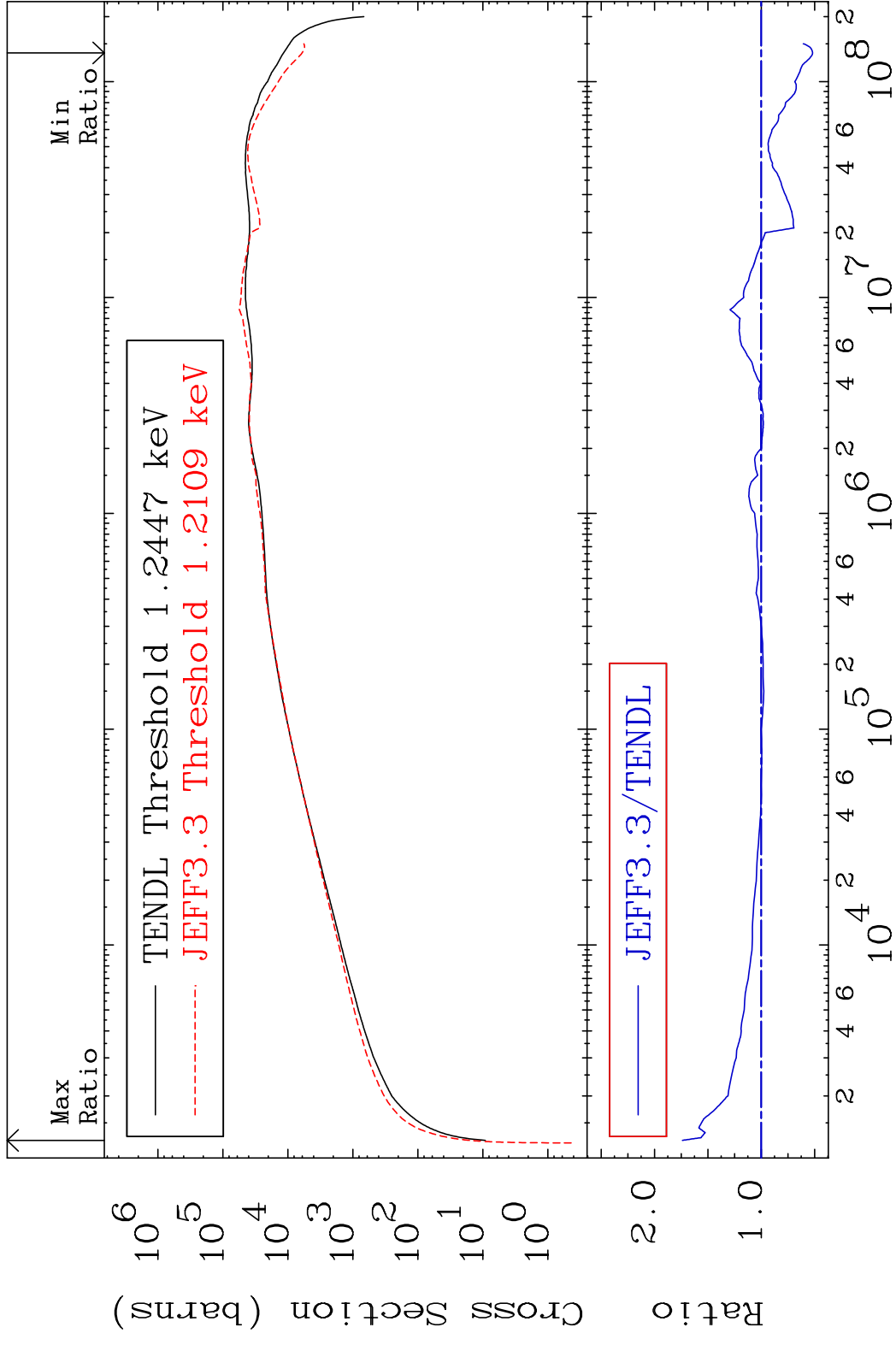
MAT 8025

Dpa elastic (mt2)

80-Hg-196

Cross Section

-48.13 To 73.86 %



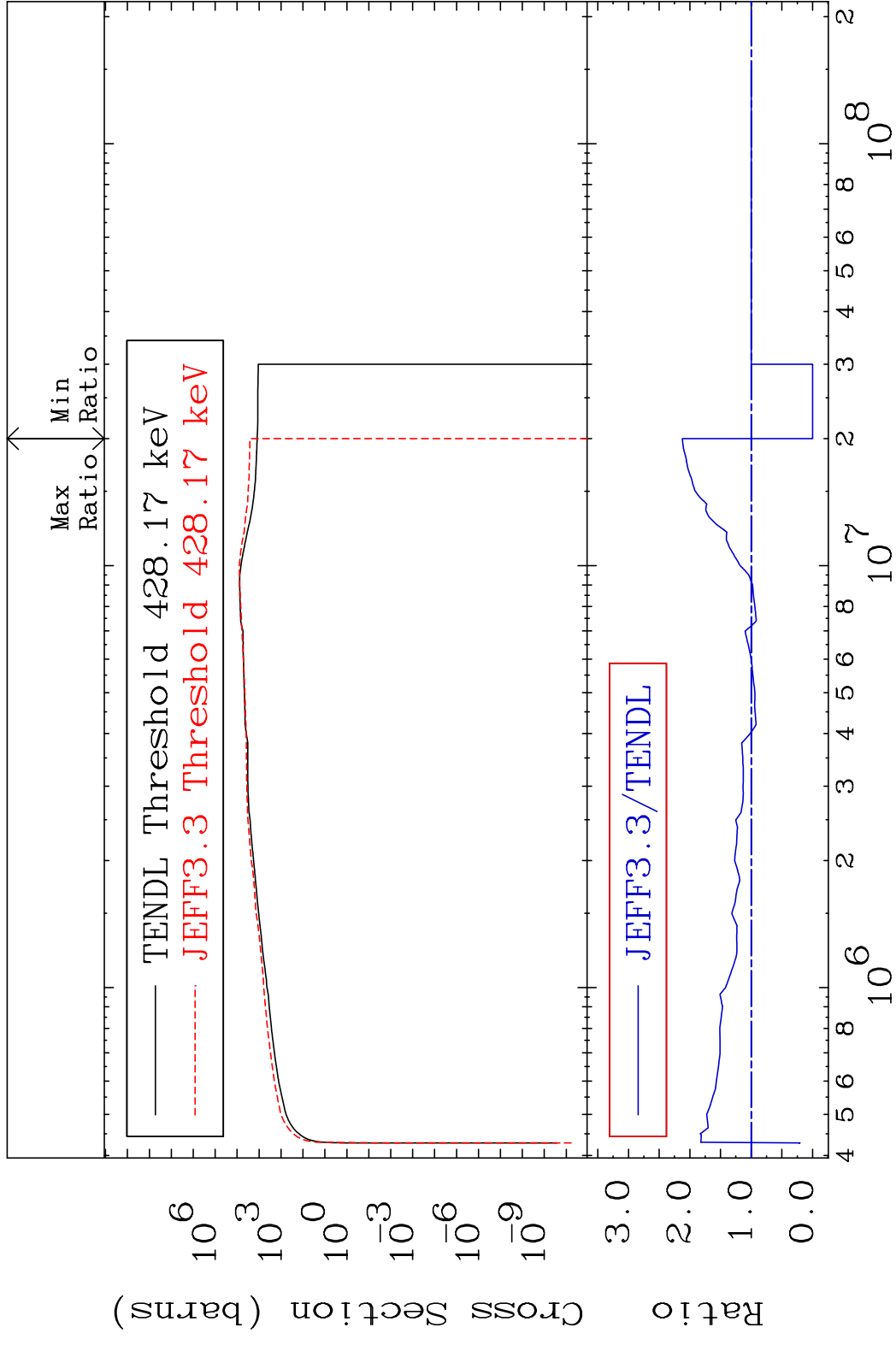
47

Incident Energy (eV)

80-Hg-196

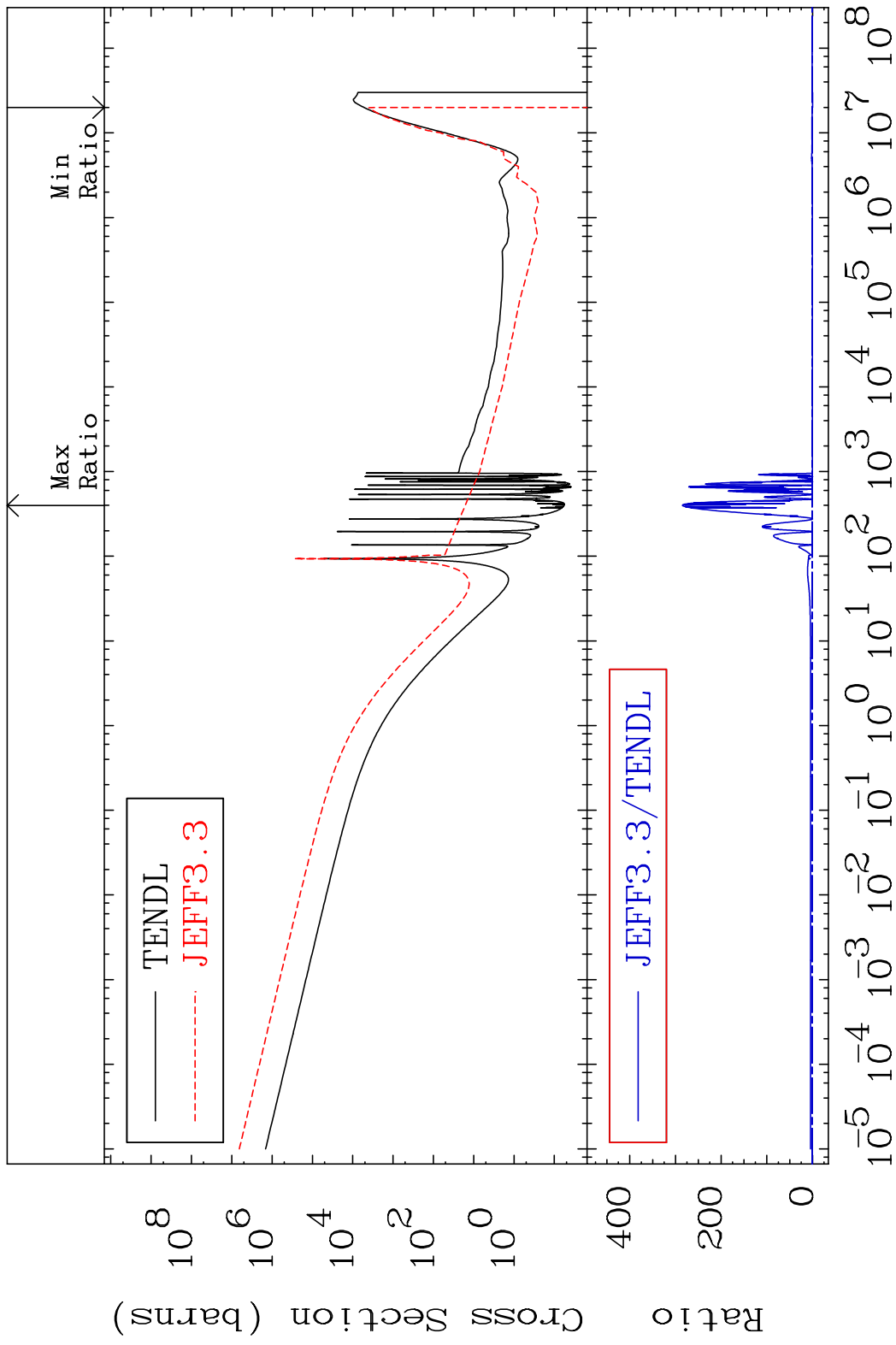


MAT 8025 Dpa inelastic (mt51-91) 80-Hg-196  
 Cross Section -100.0 To 112.2 %



48 Incident Energy (eV) 80-Hg-196

MAT 8025 Dpa disappearance (mt102 -120) 80-Hg-196  
 Cross Section -100.0 To 9999. %



49 Incident Energy (eV) 80-Hg-196