

Program Complot  
(Version 2018-1)

by

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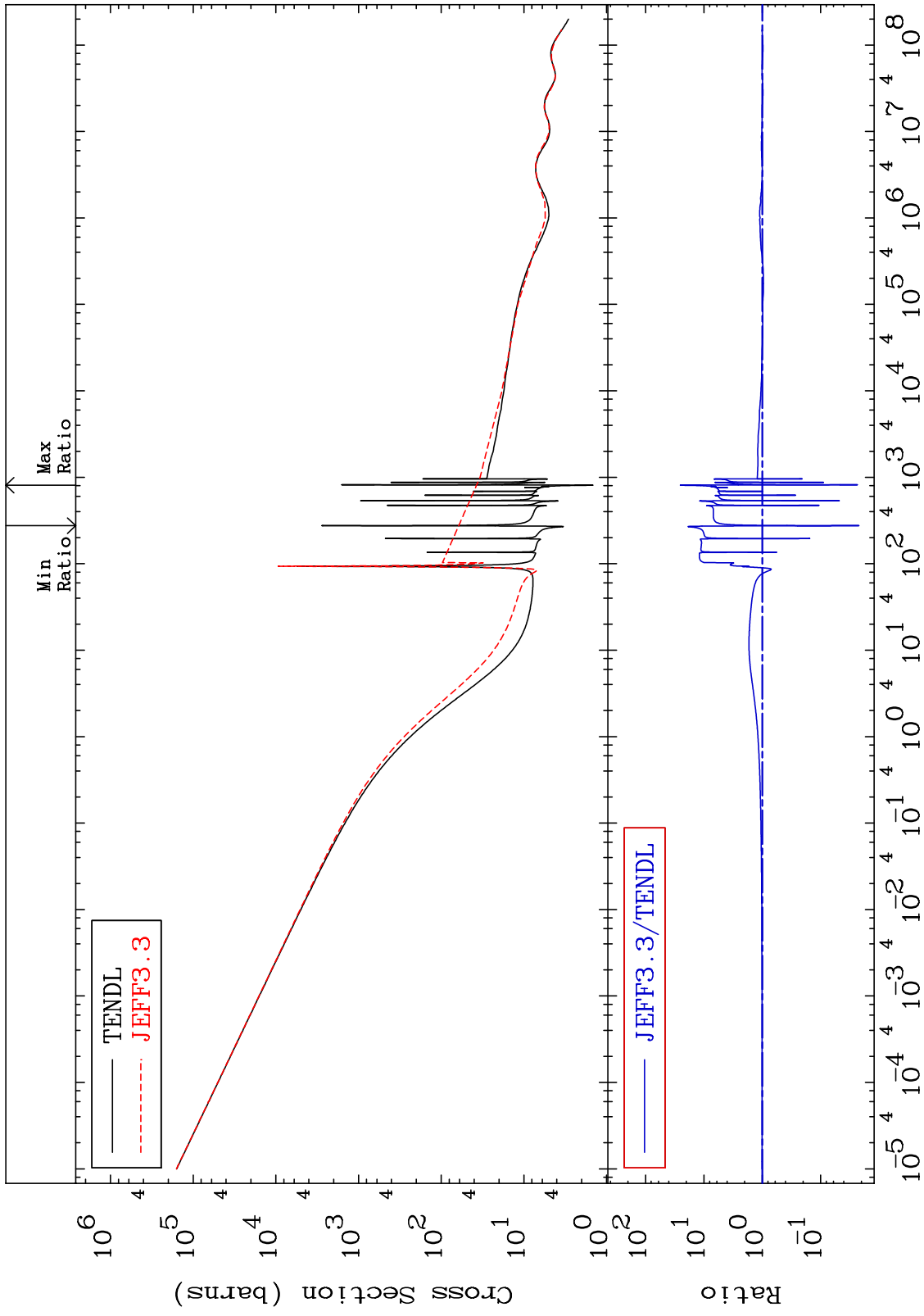
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8025

Total Cross Section

80-Hg-196  
-97.79 To 2446. %



1

Incident Energy (eV)

80-Hg-196

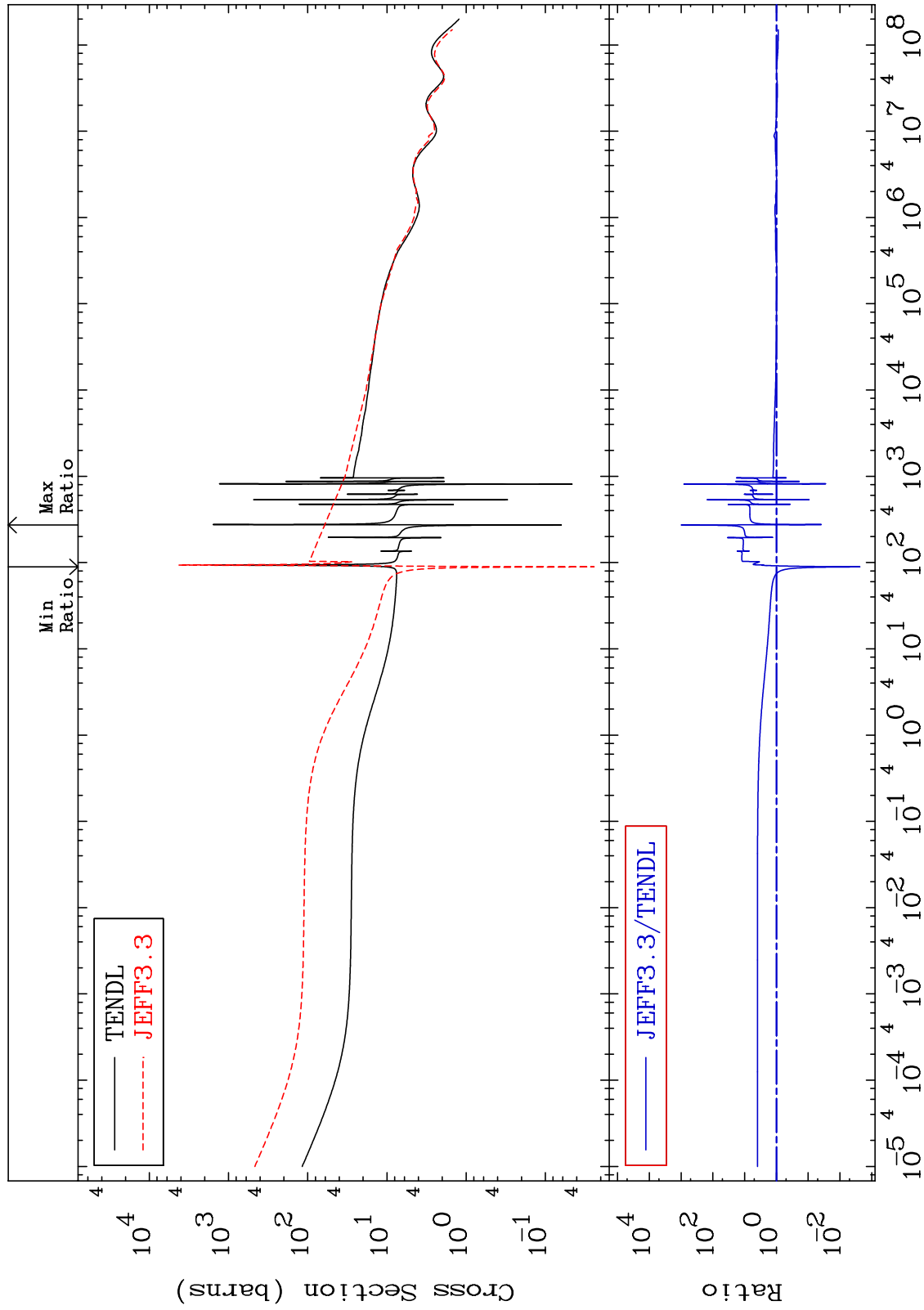
MAT 8025

Elastic

Cross Section

80-Hg-196

-99.76 To 9999. %

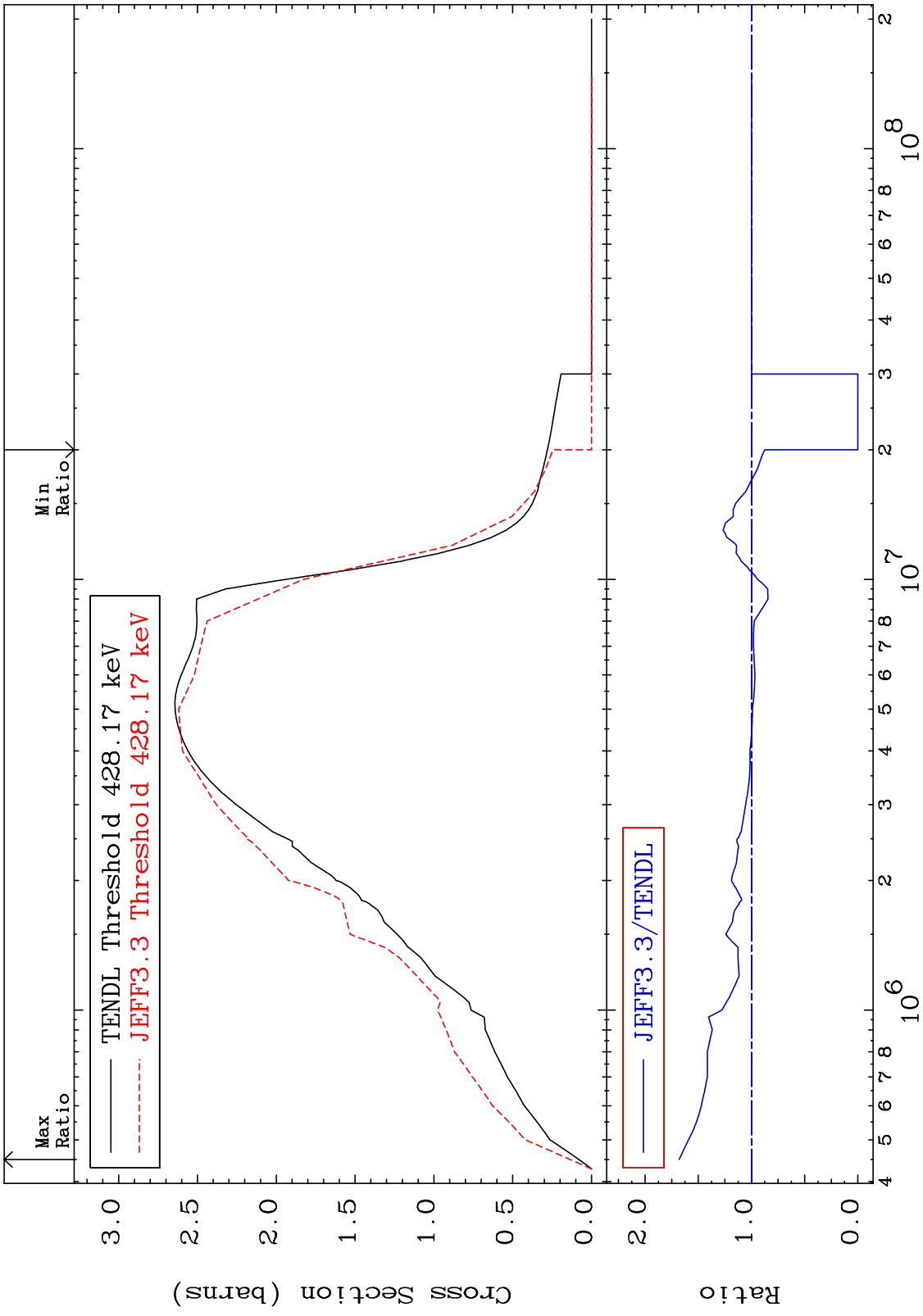


2

Incident Energy (eV)

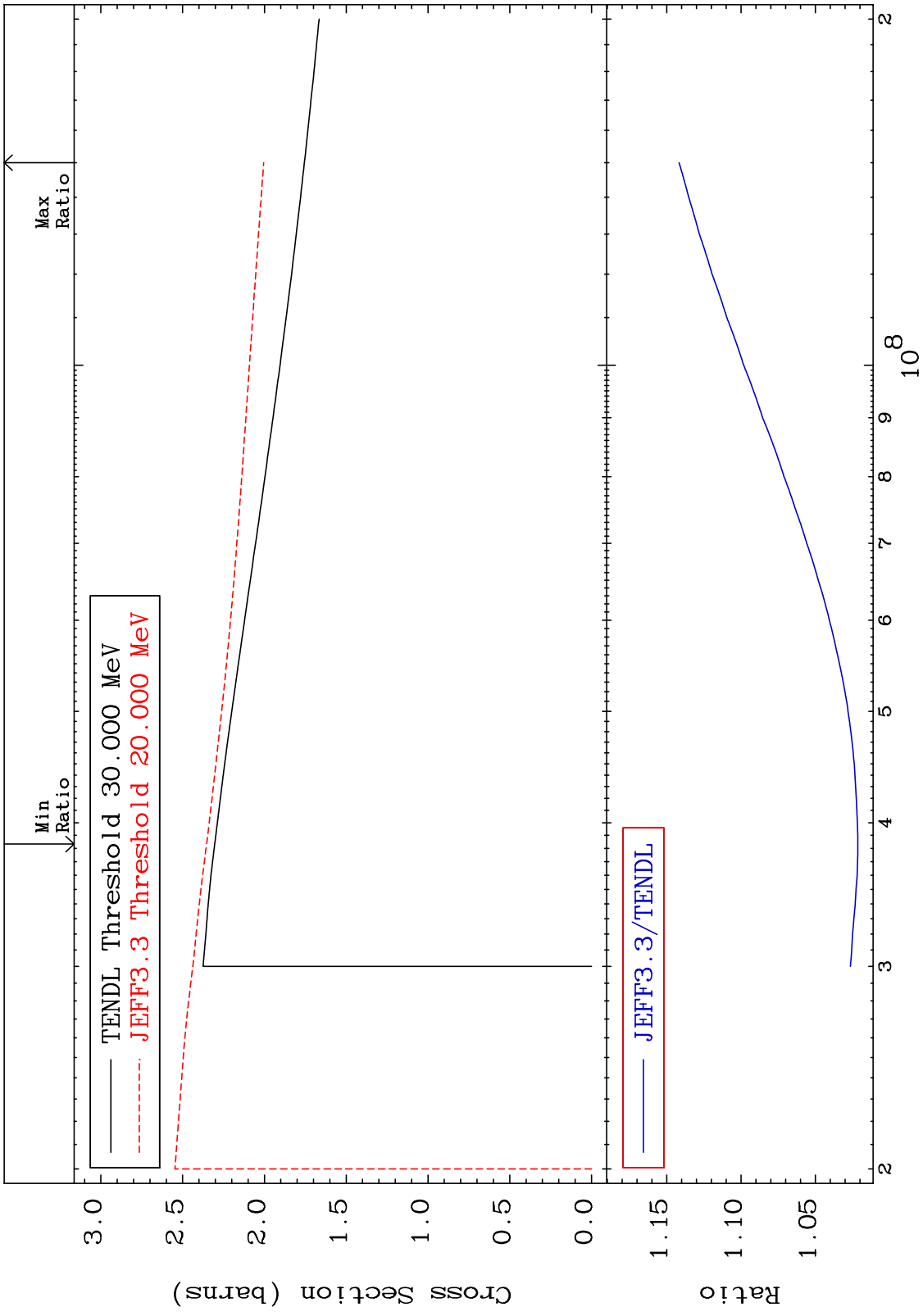
80-Hg-196

MAT 8025 Inelastic Cross Section 80-Hg-196 -100.0 To 68.09 %

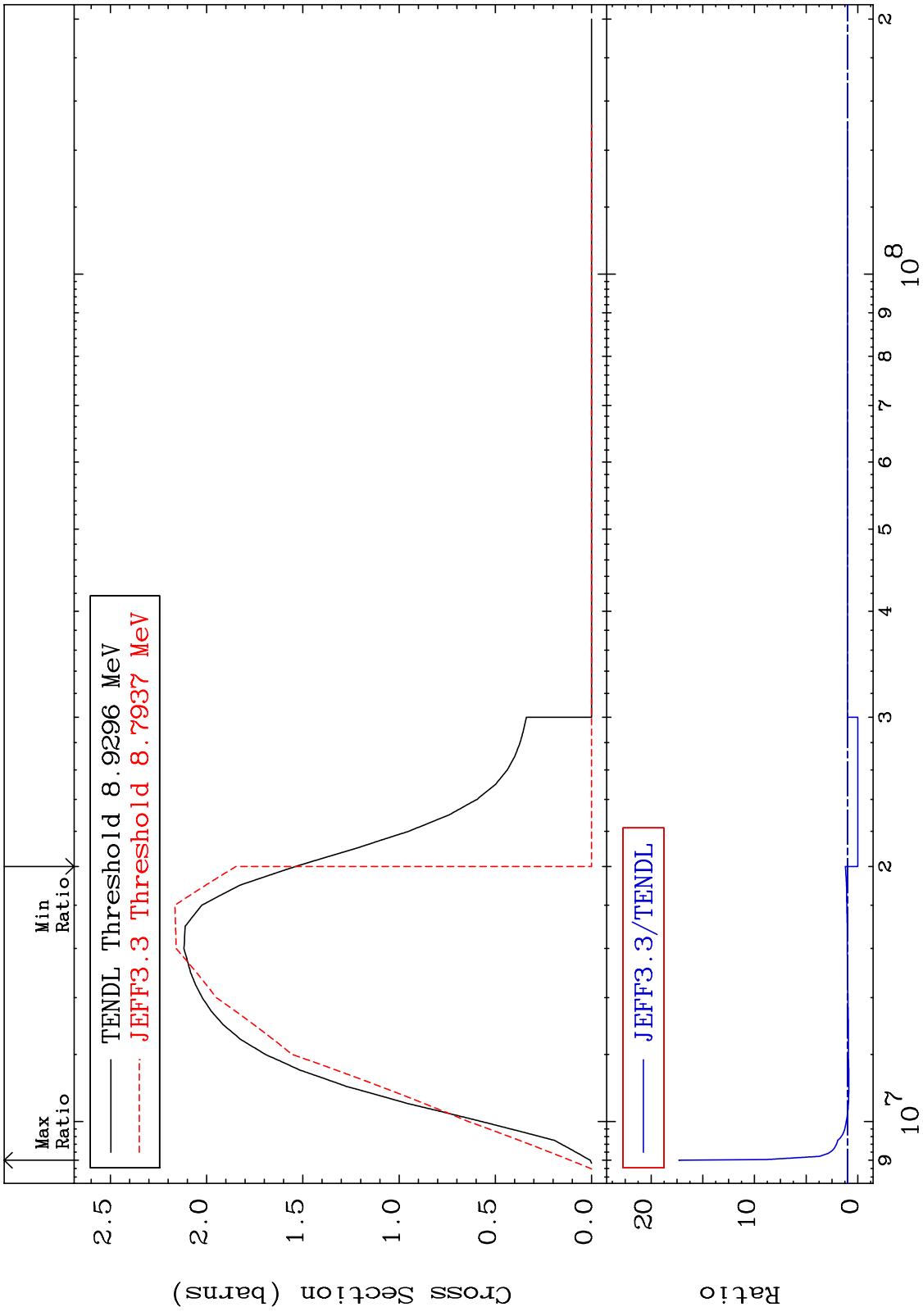


3 Incident Energy (eV) 80-Hg-196

MAT 8025 (n, remainder) Cross Section 80-Hg-196 To 14.17 % 2.148 Max Ratio

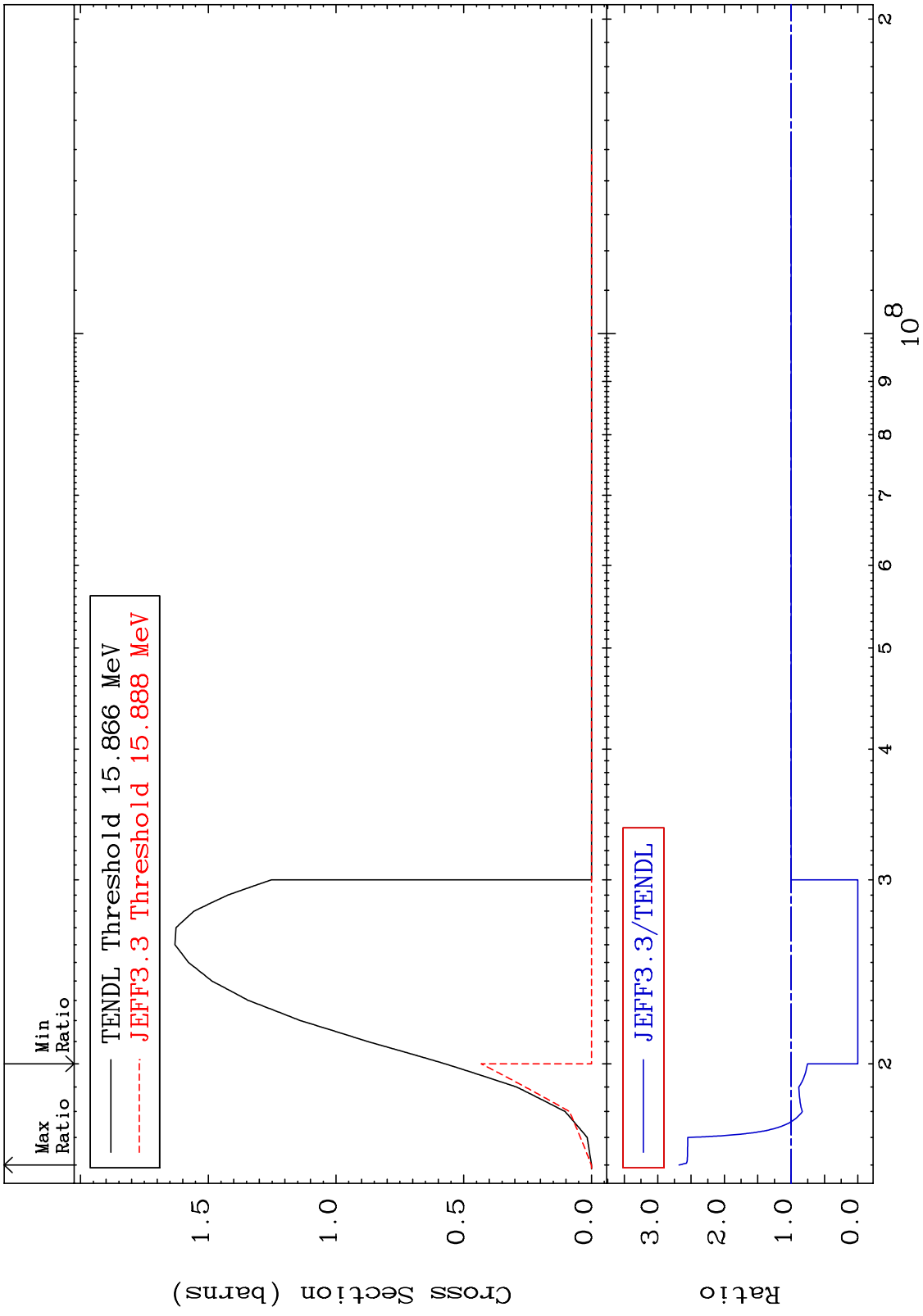


MAT 8025 (n,2n) Cross Section 80-Hg-196 -100.0 To 1630. %

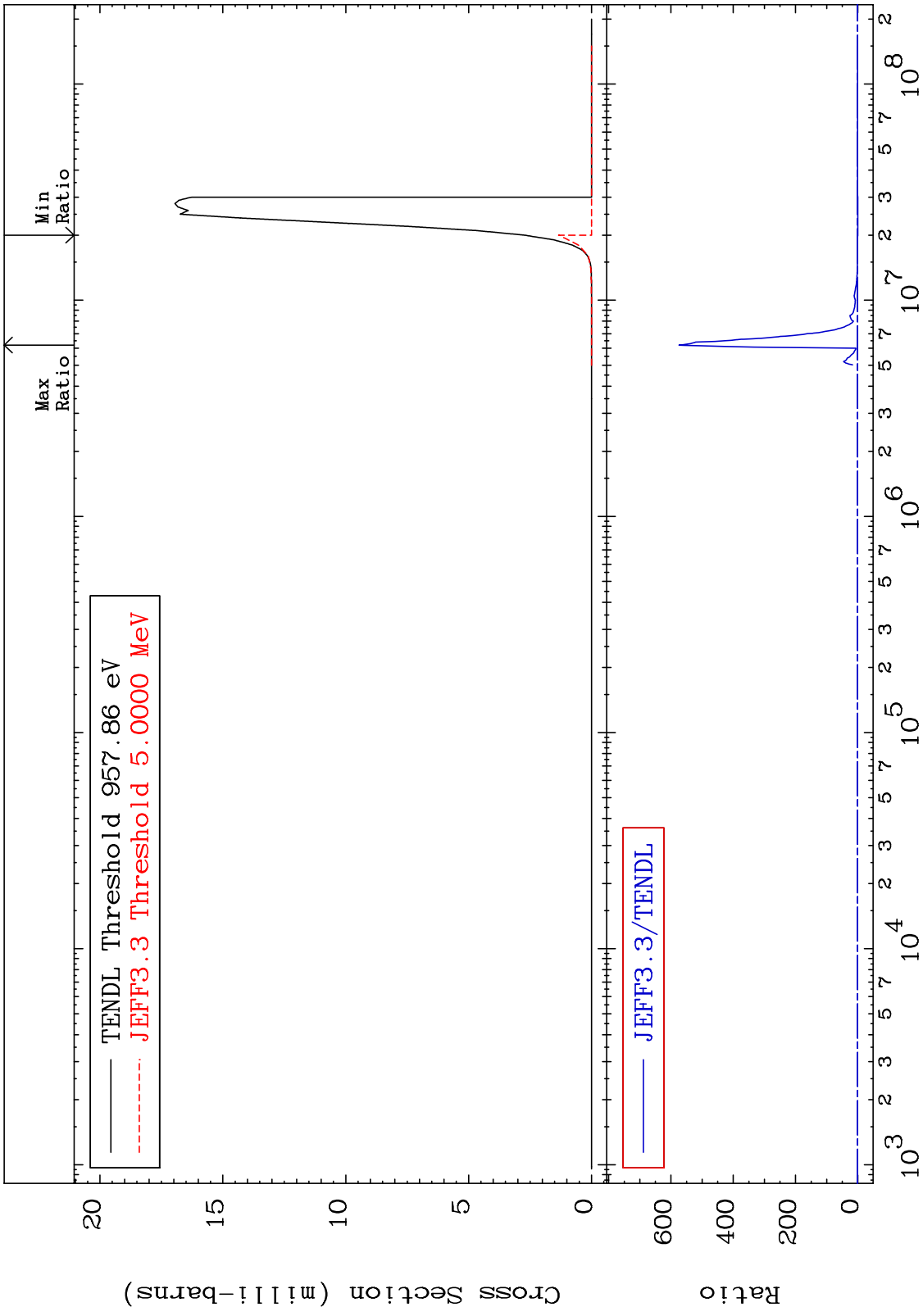


80-Hg-196 Incident Energy (eV)

MAT 8025 (n,3n) Cross Section 80-Hg-196 -100.0 To 168.0 %



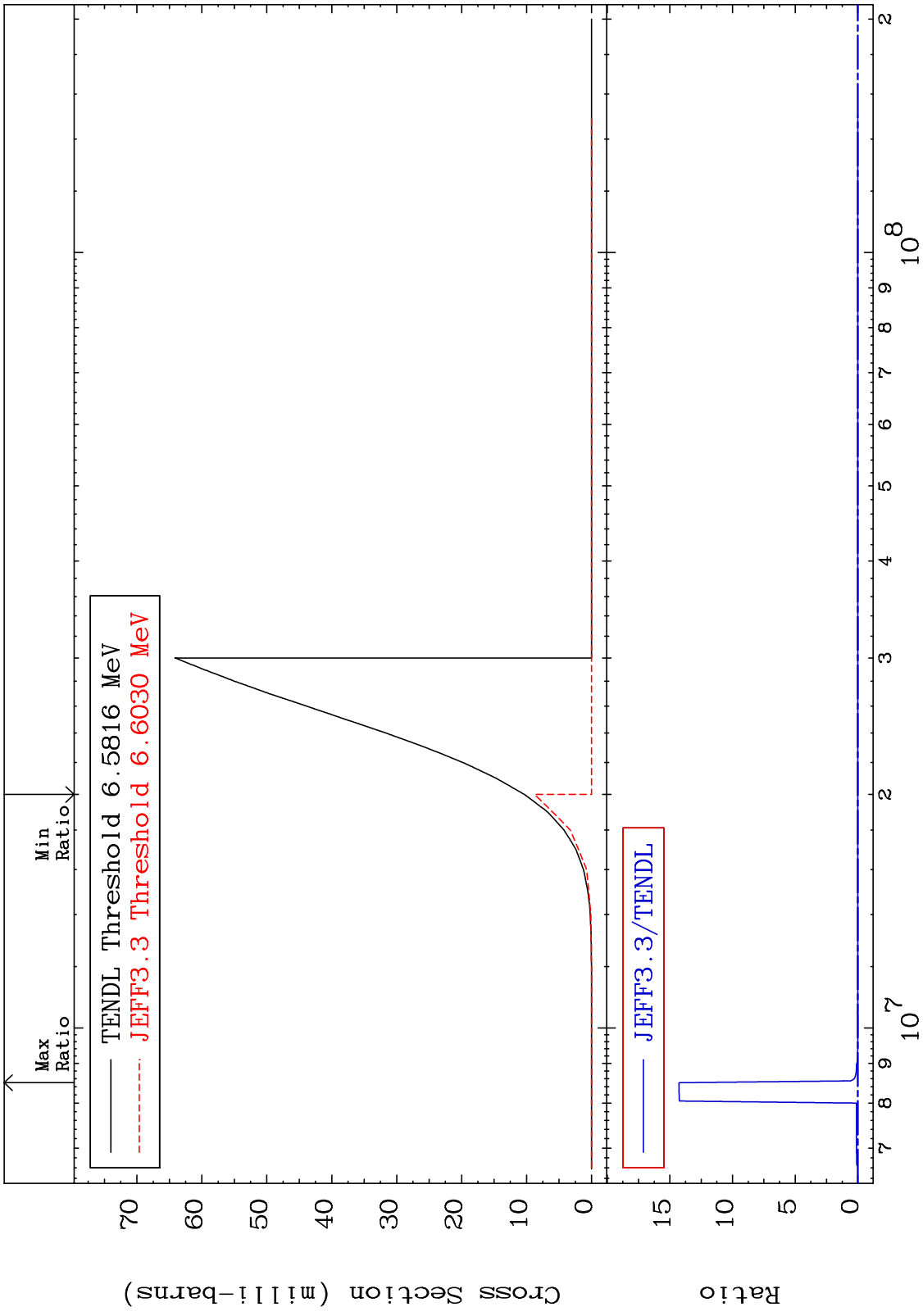
MAT 8025  $(n, n') \alpha$  Cross Section 80-Hg-196  
-100.0 To 9999. %



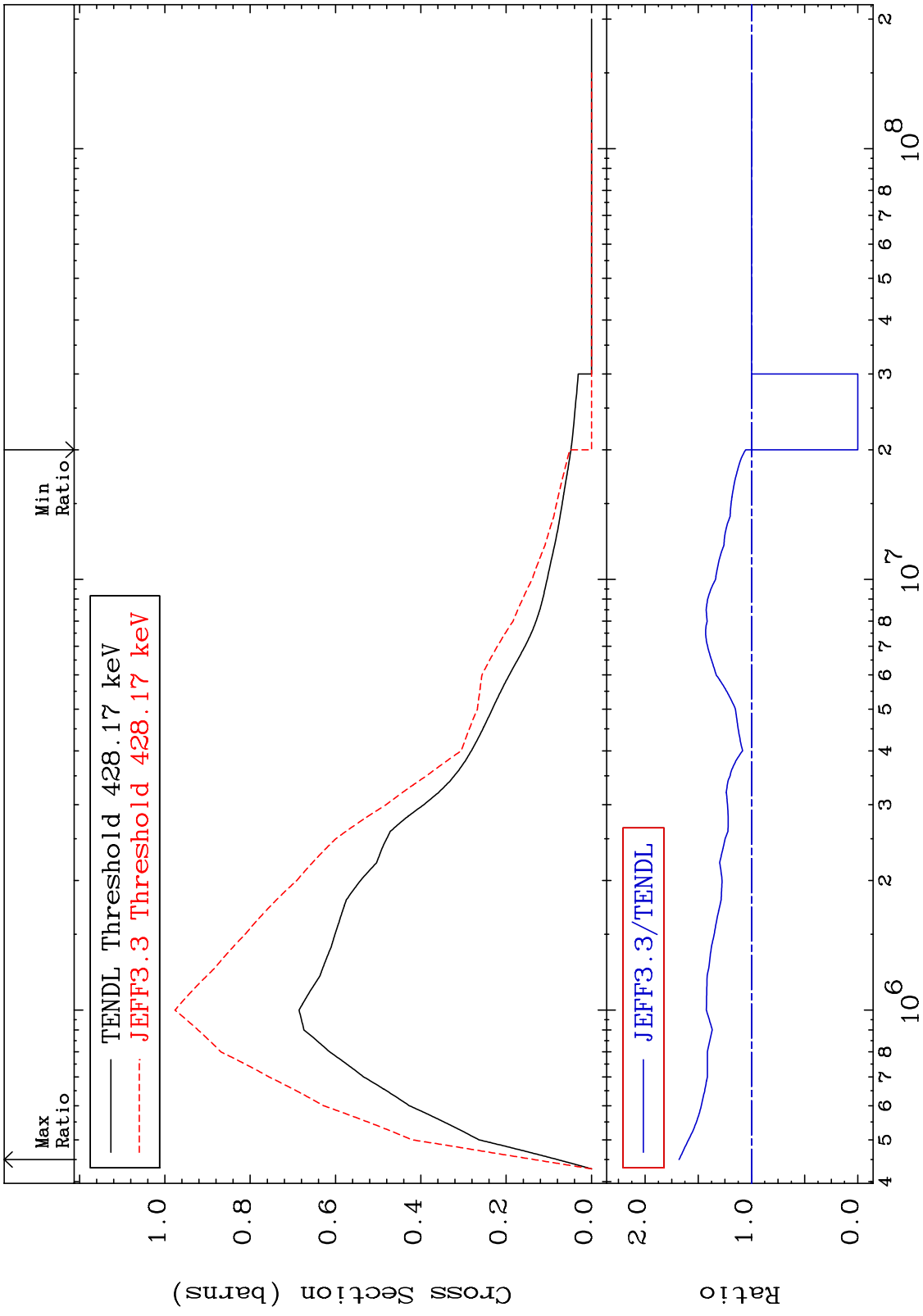
80-Hg-196



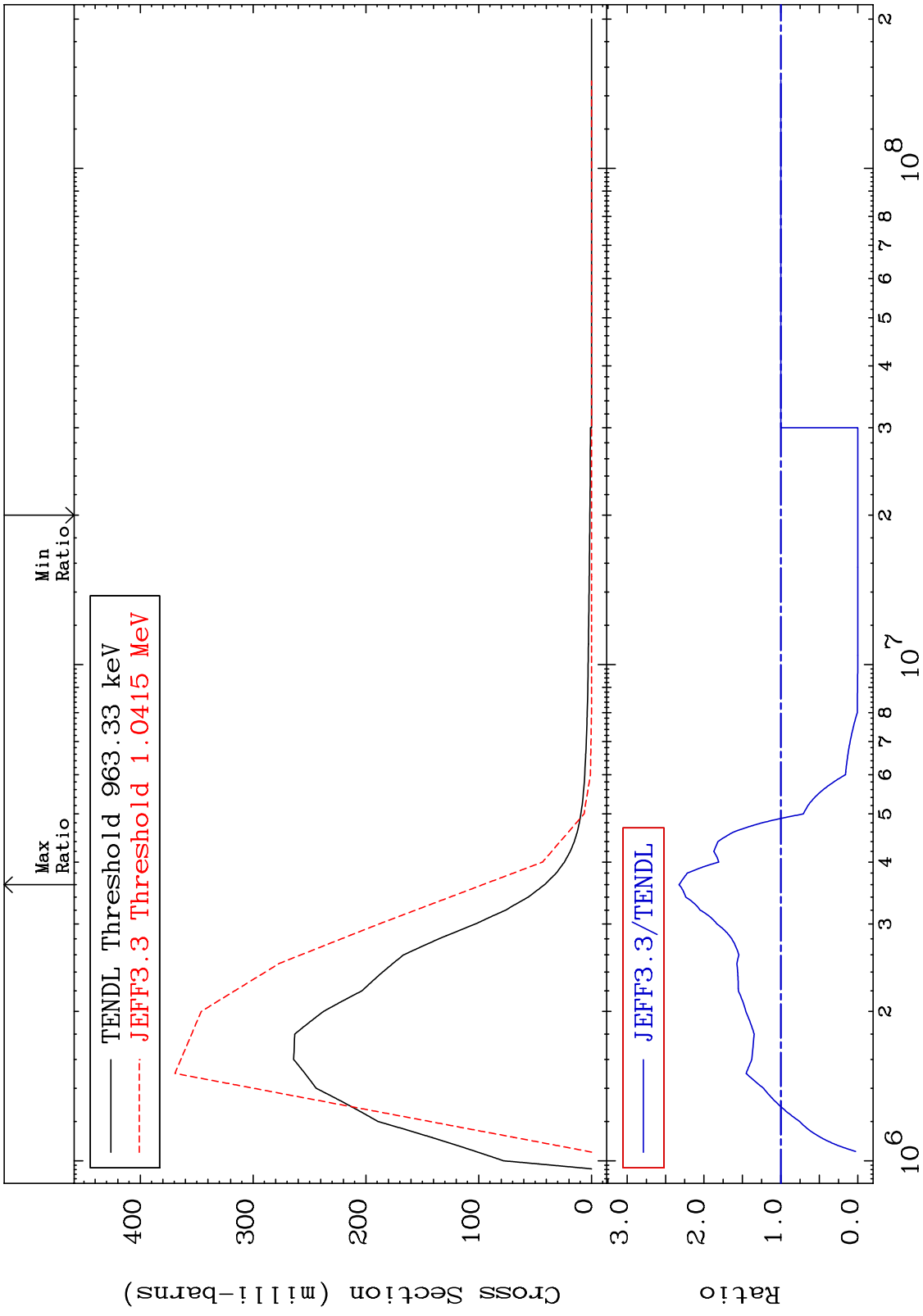
MAT 8025  $(n, n')$  p  $^{80}\text{Hg-196}$   
 Cross Section -100.0 To 9999. %



MAT 8025 MT= 51 (n,n') Level Cross Section 80-Hg-196  
 -100.0 To 68.09 %

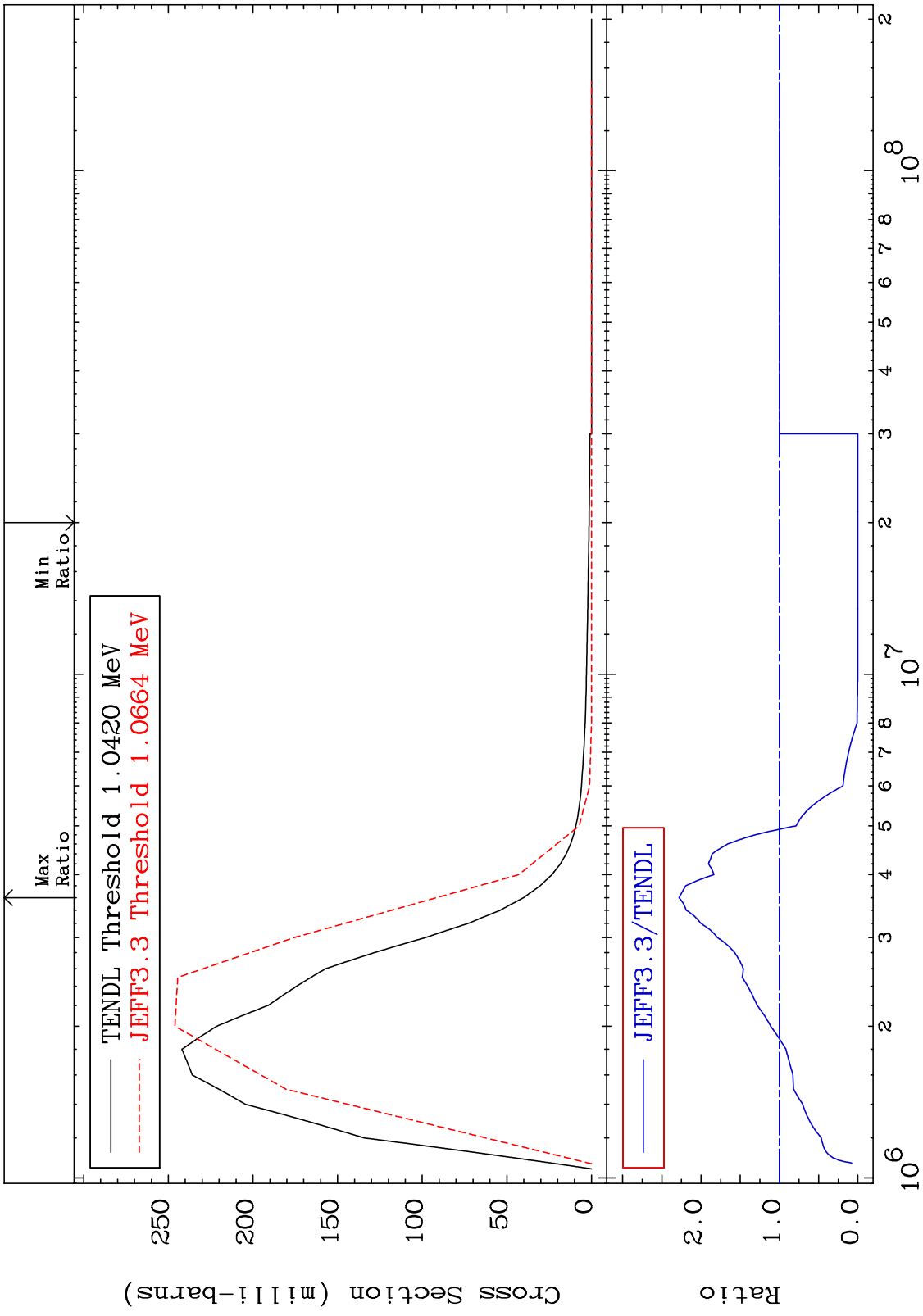


MAT 8025 MT= 52 (n,n') Level Cross Section -100.0 To 132.4 % 80-Hg-196



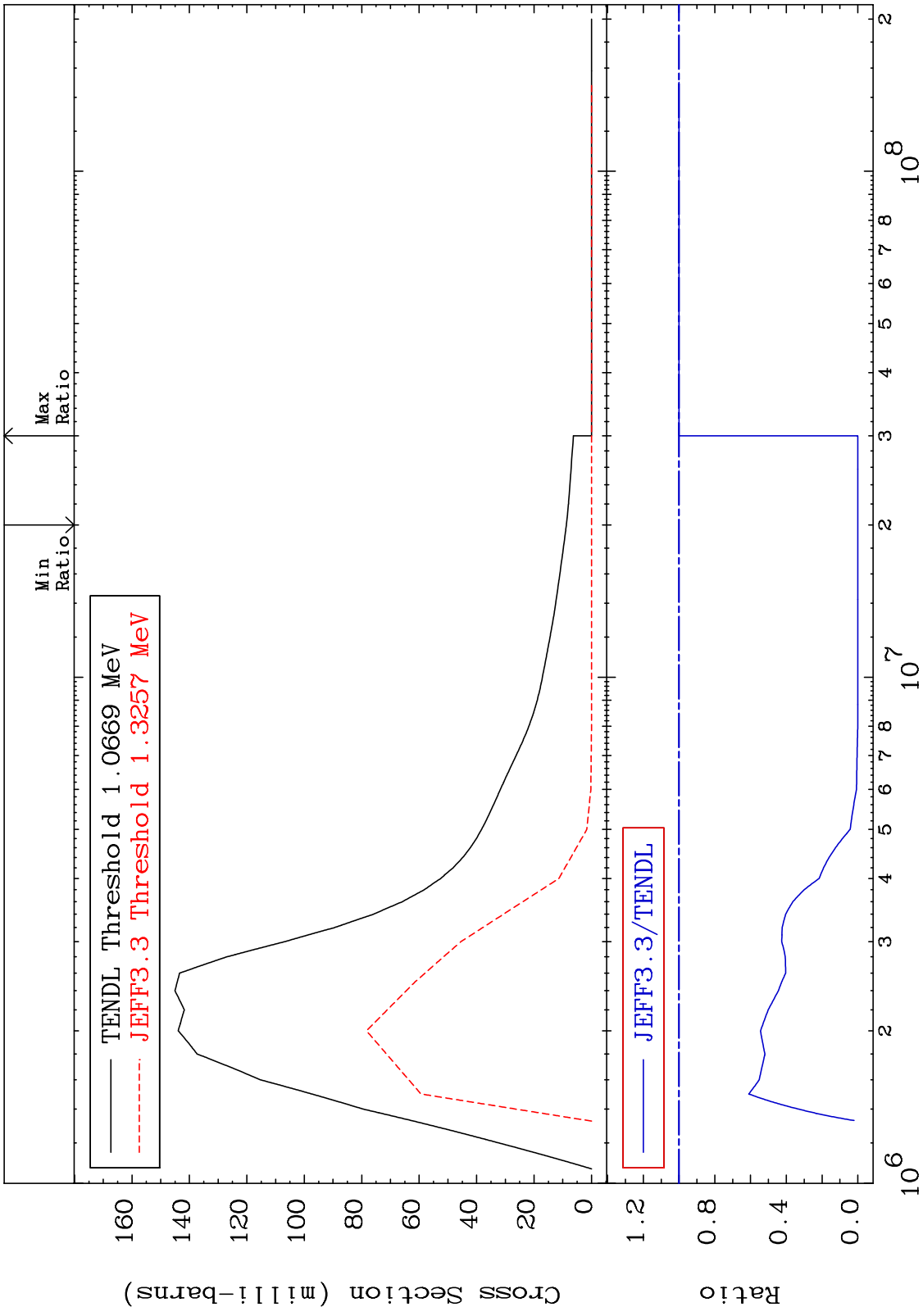
Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 53 (n,n') Level Cross Section -100.0 To 128.1 % 80-Hg-196



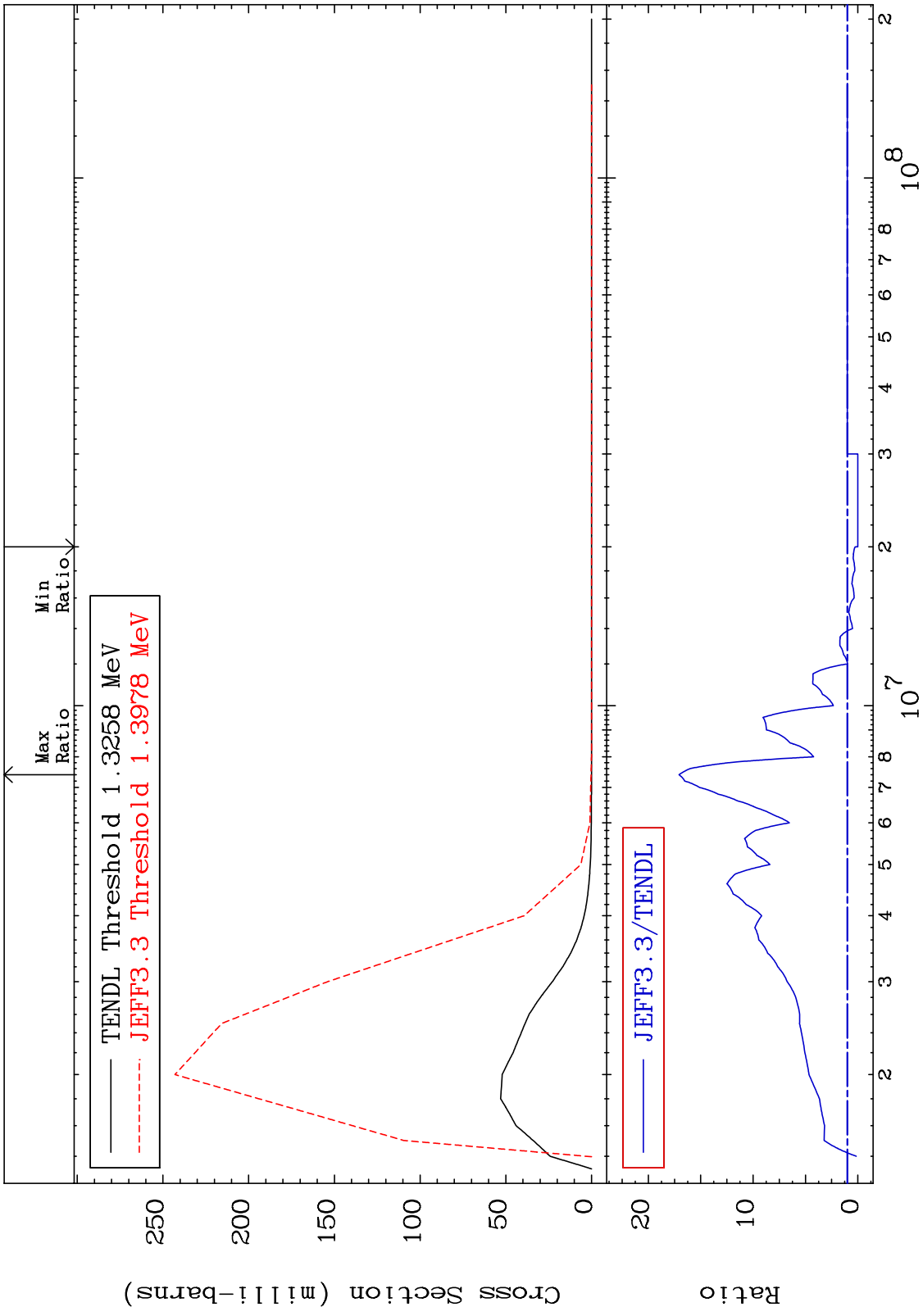
Incident Energy (eV) 80-Hg-196

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

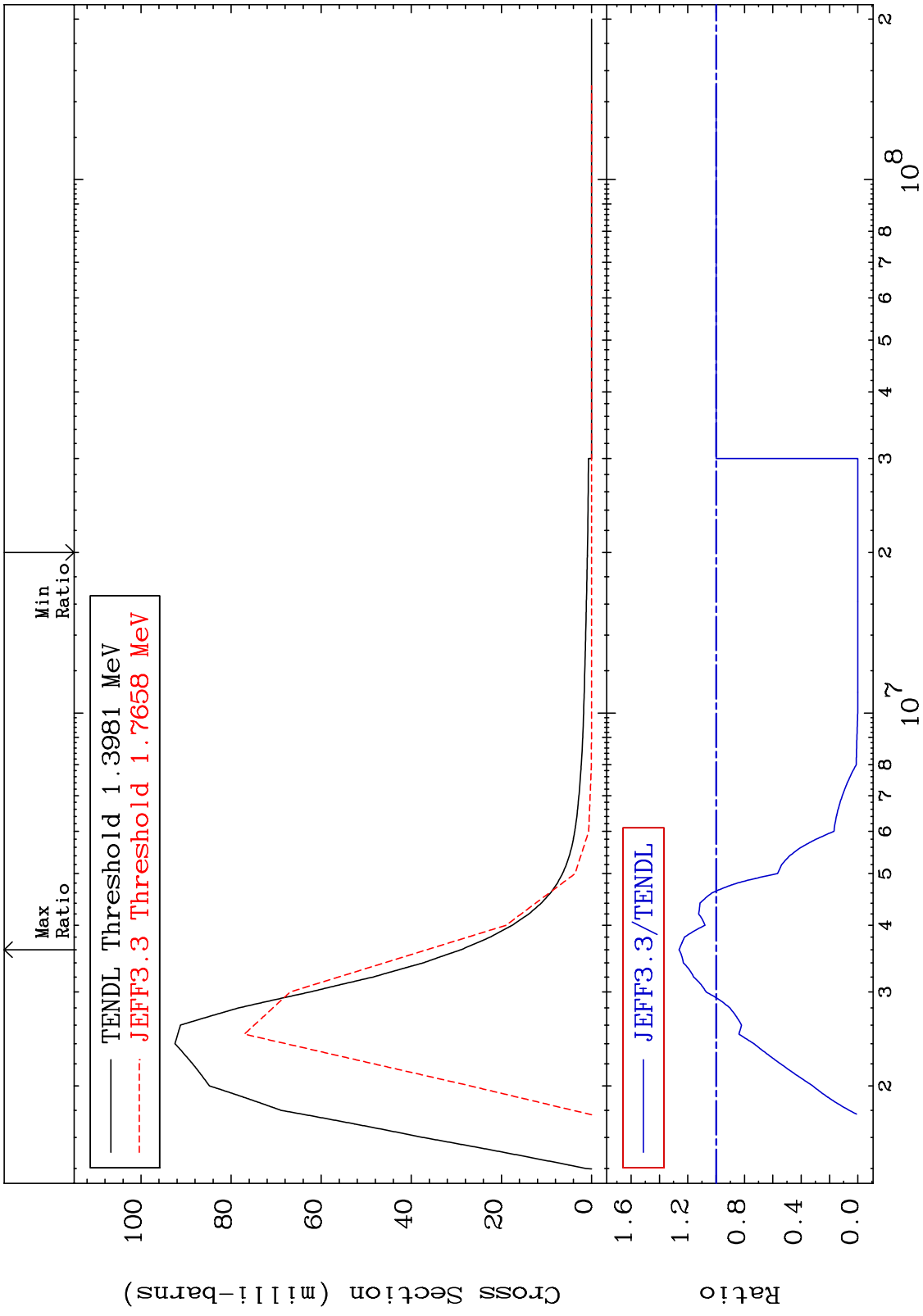


12 Incident Energy (eV) 80-Hg-196

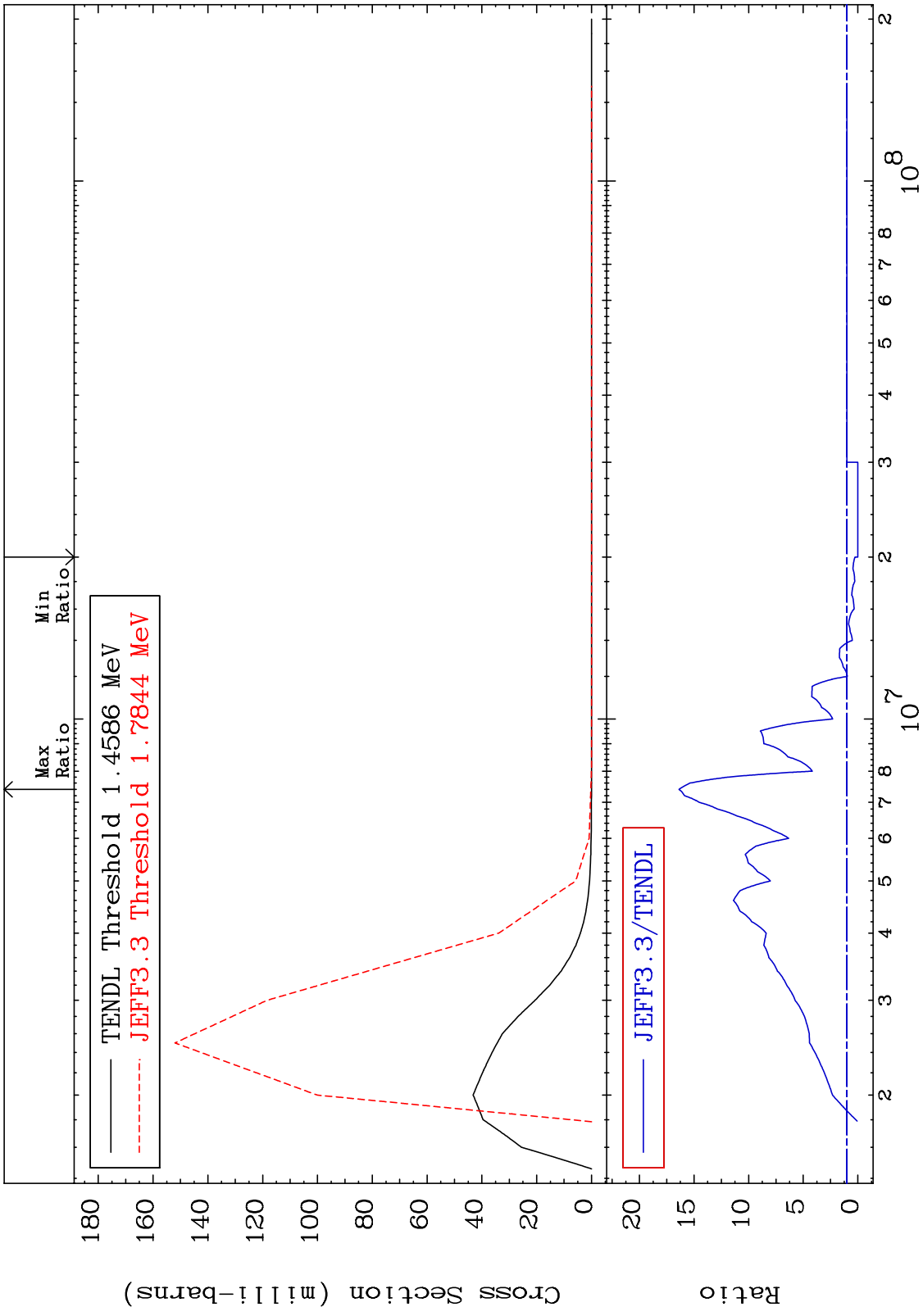
MAT 8025 MT= 55 (n,n') Level Cross Section -100.0 To 1607. % 80-Hg-196



MAT 8025 MT= 56 (n,n') Level Cross Section -100.0 To 26.17 % 80-Hg-196

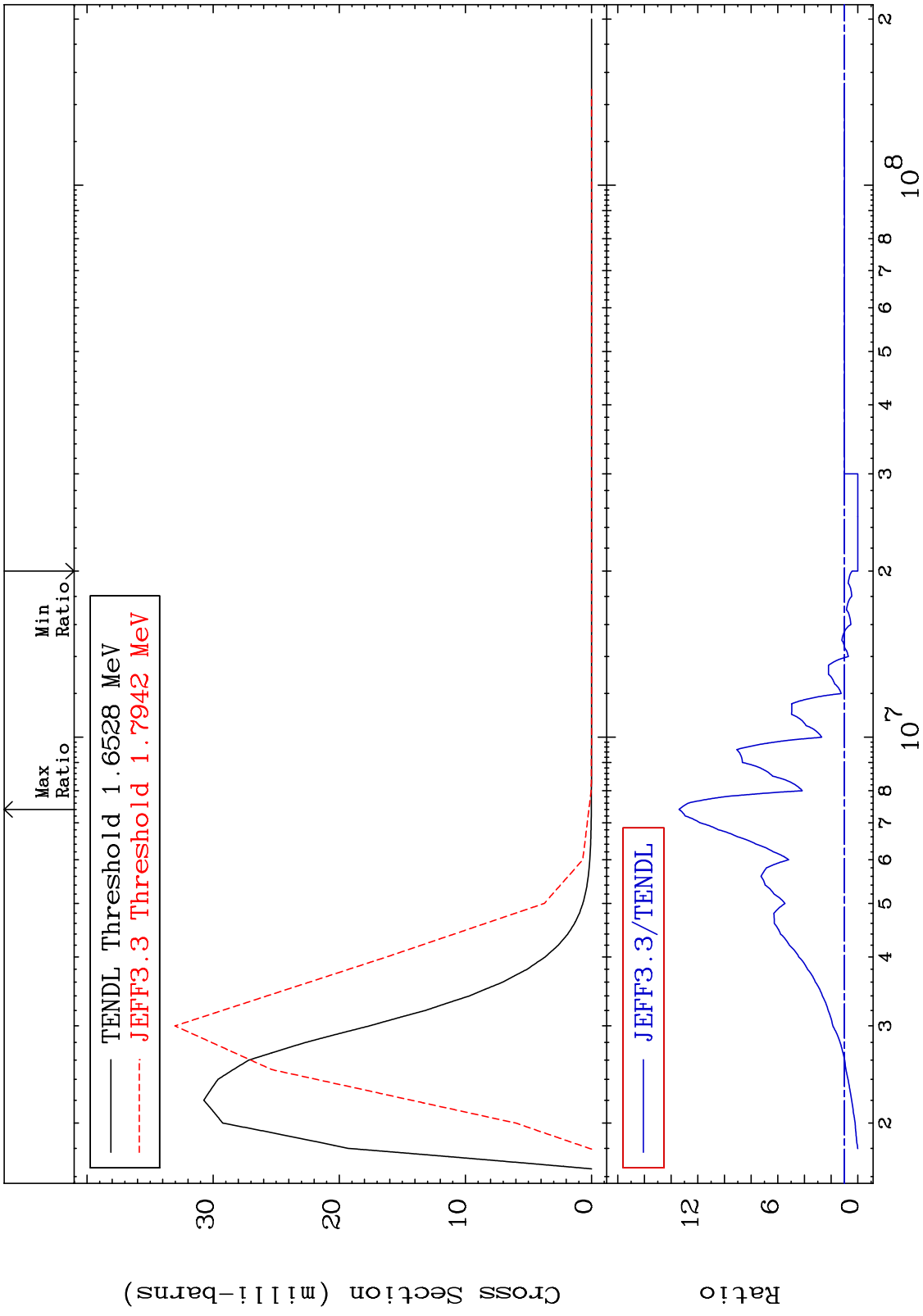


MAT 8025 MT= 57 (n, n') Level Cross Section 80-Hg-196  
 -100.0 To 1537. %

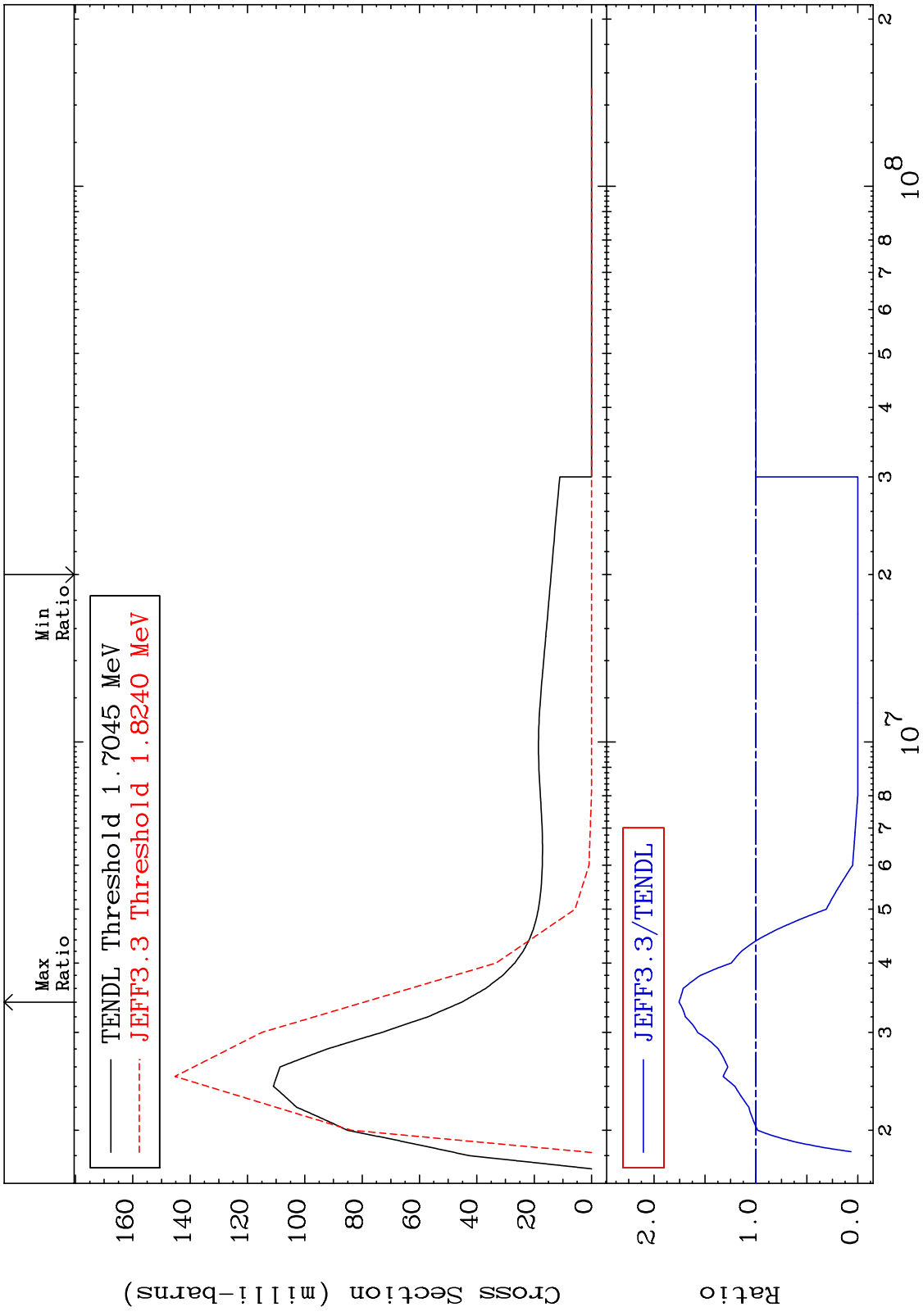




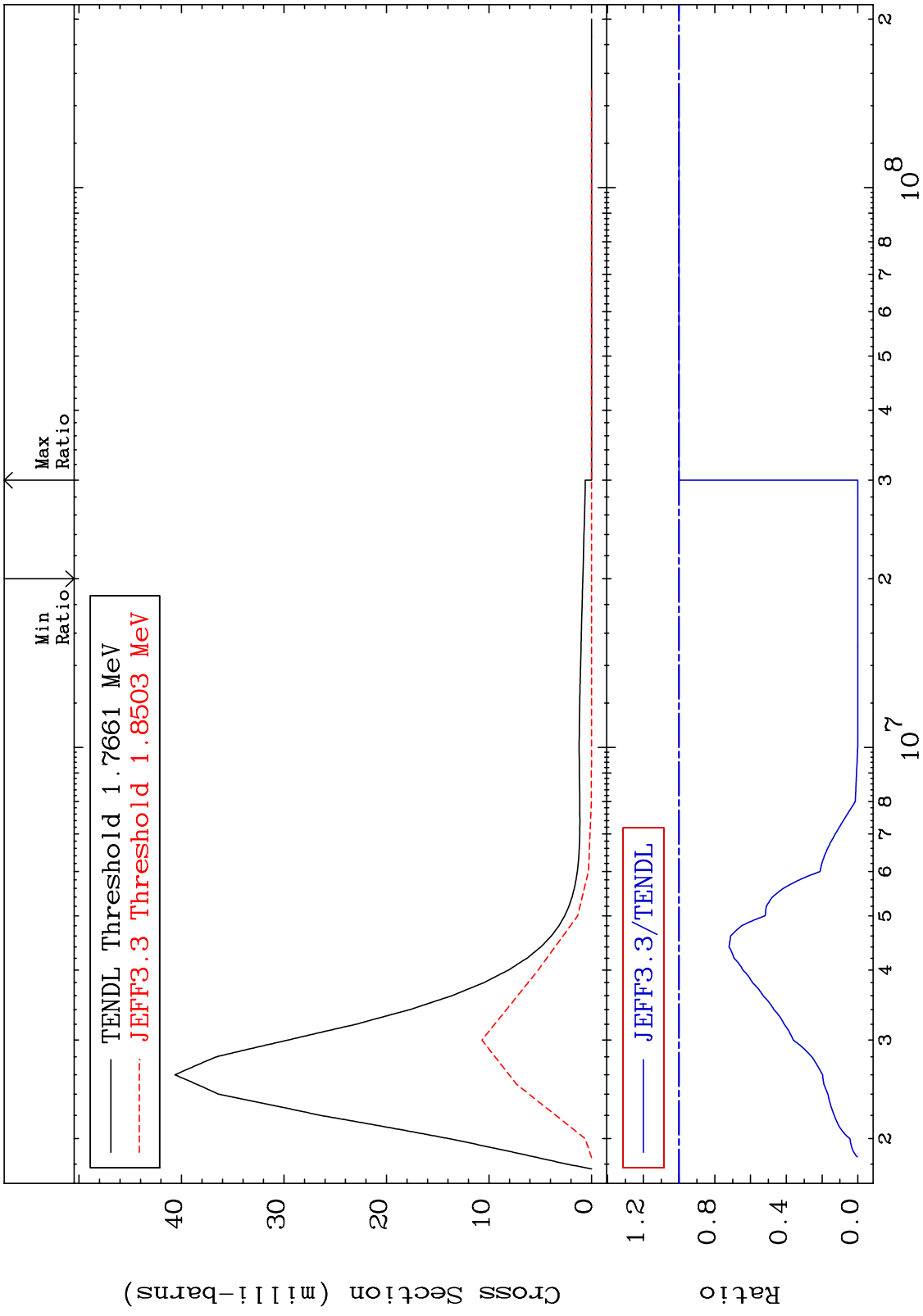
MAT 8025 MT= 58 (n,n') Level Cross Section -100.0 To 1241. % 80-Hg-196



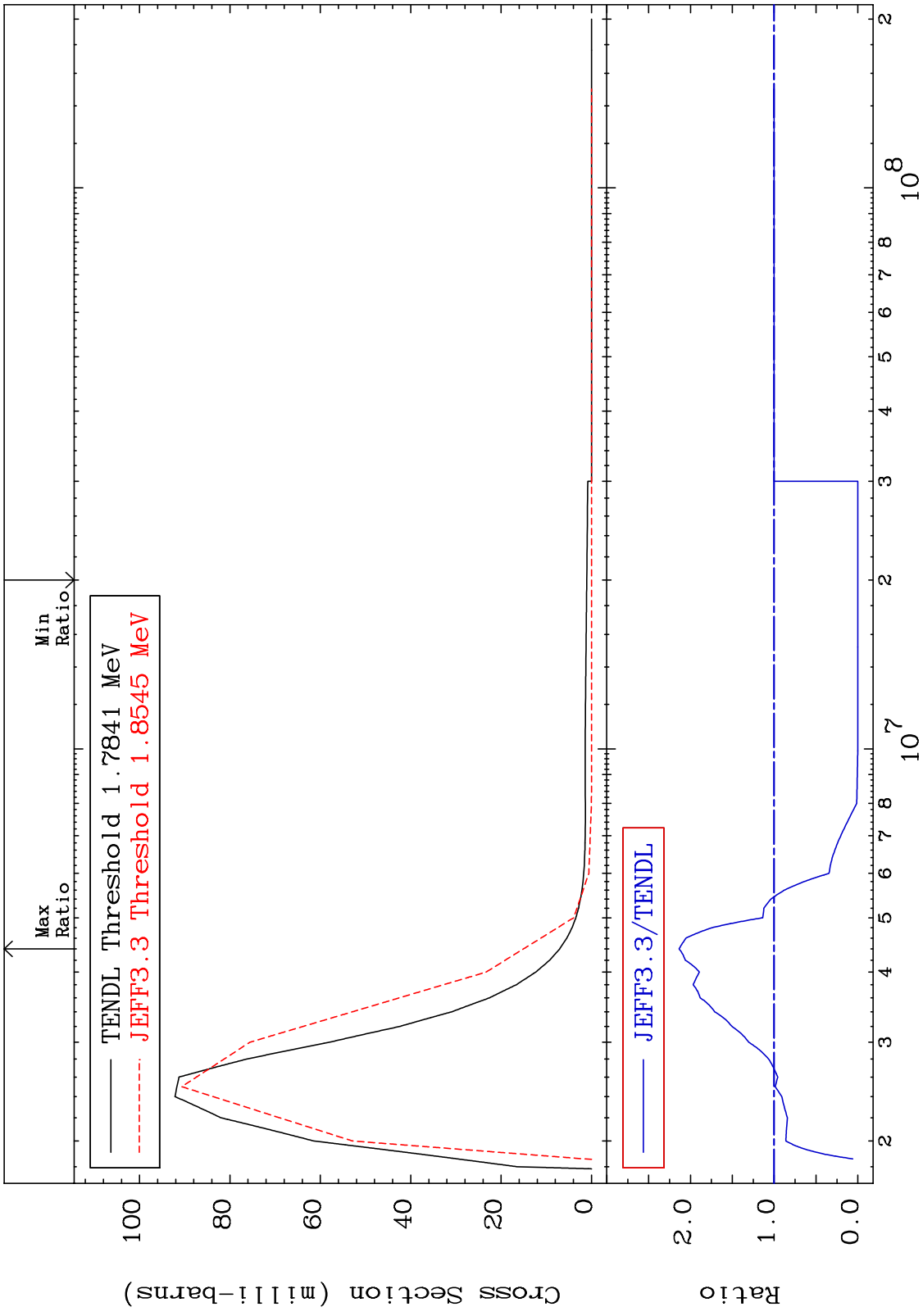
MAT 8025 MT= 59 (n,n') Level Cross Section -100.0 To 75.56 % 80-Hg-196



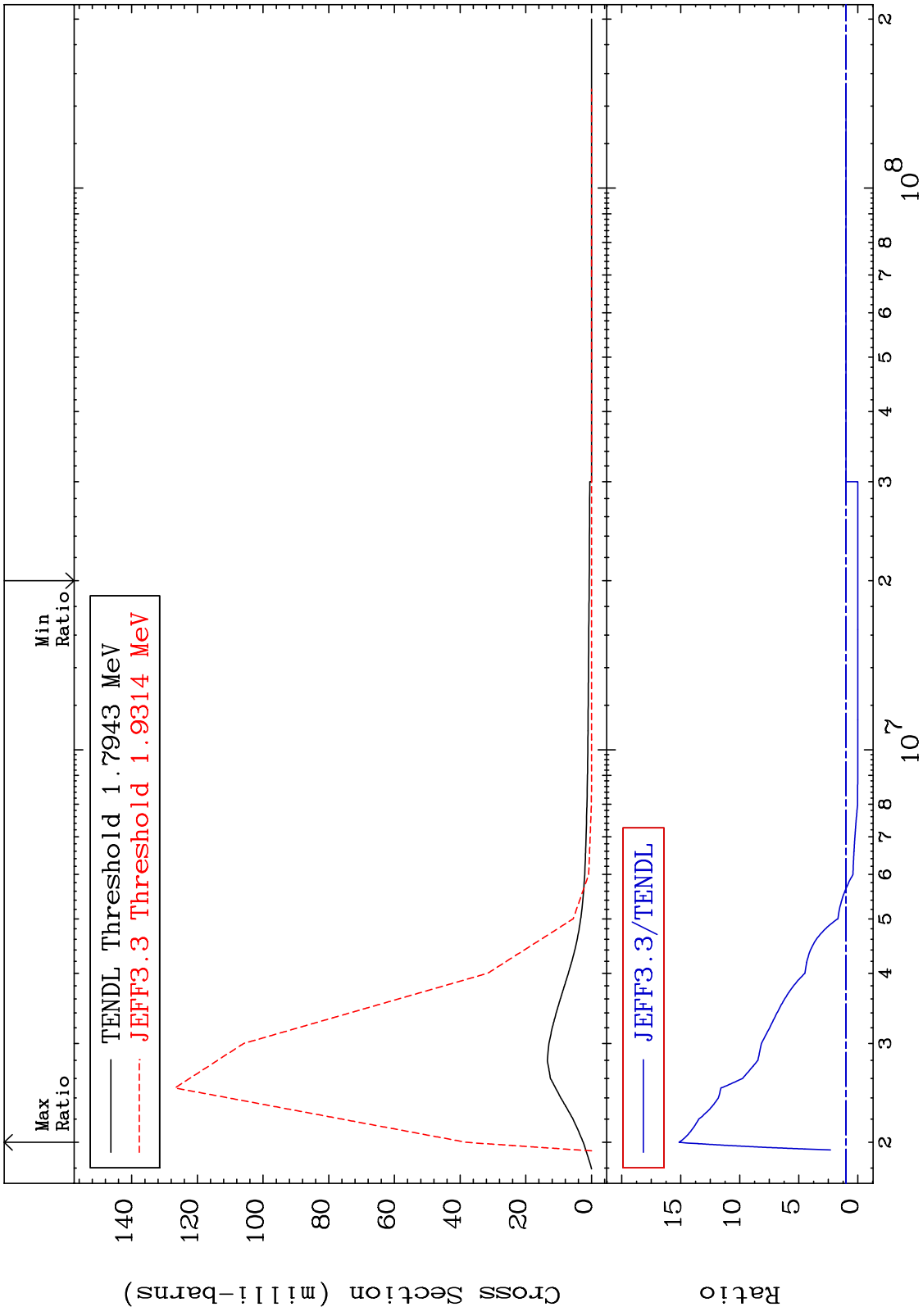
MAT 8025 MT= 60 (n,n') Level Cross Section 80-Hg-196  
 -100.0 To 0.000 %



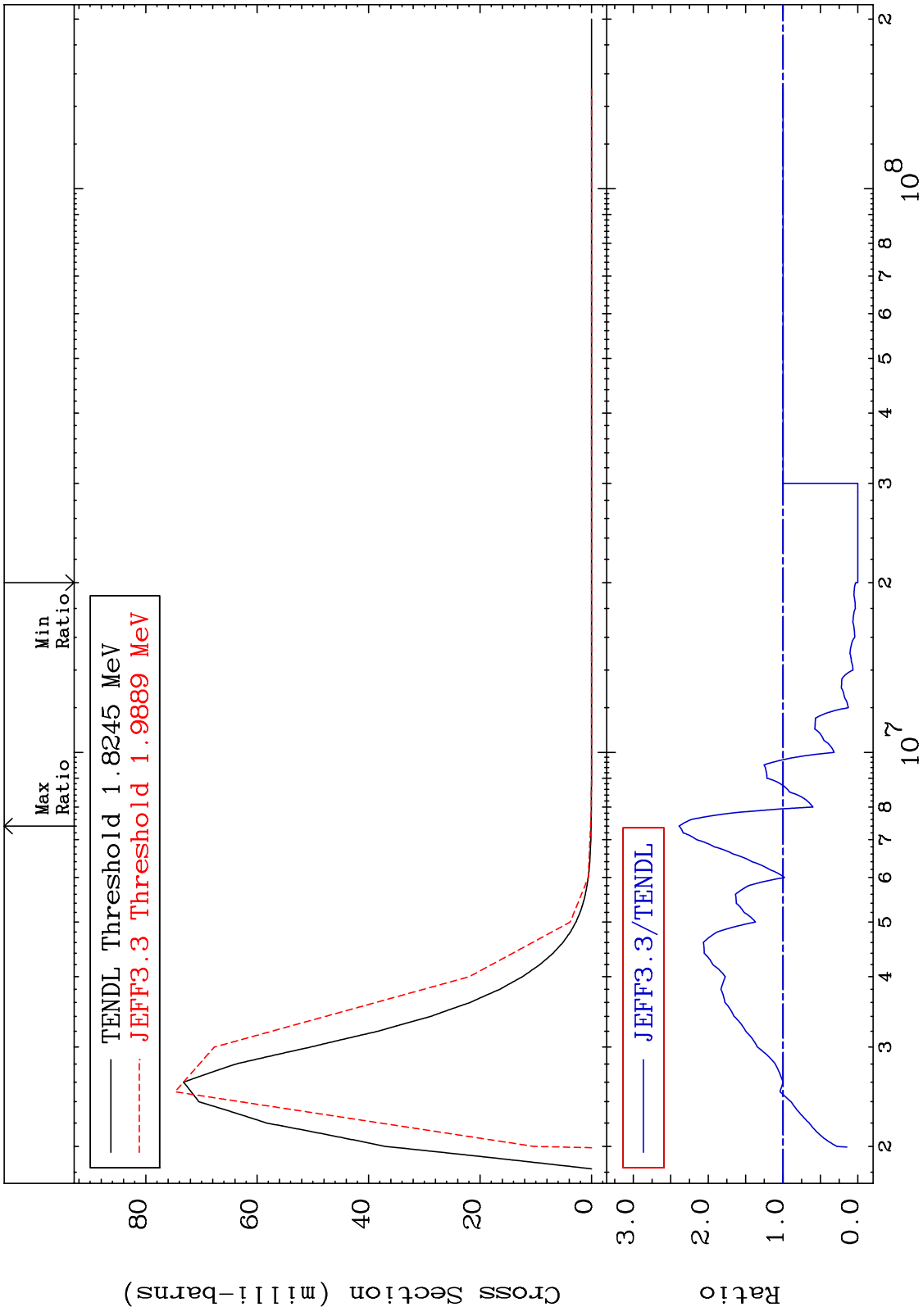
MAT 8025 MT= 61 (n,n') Level Cross Section 80-Hg-196  
 -100.0 To 113.7 %



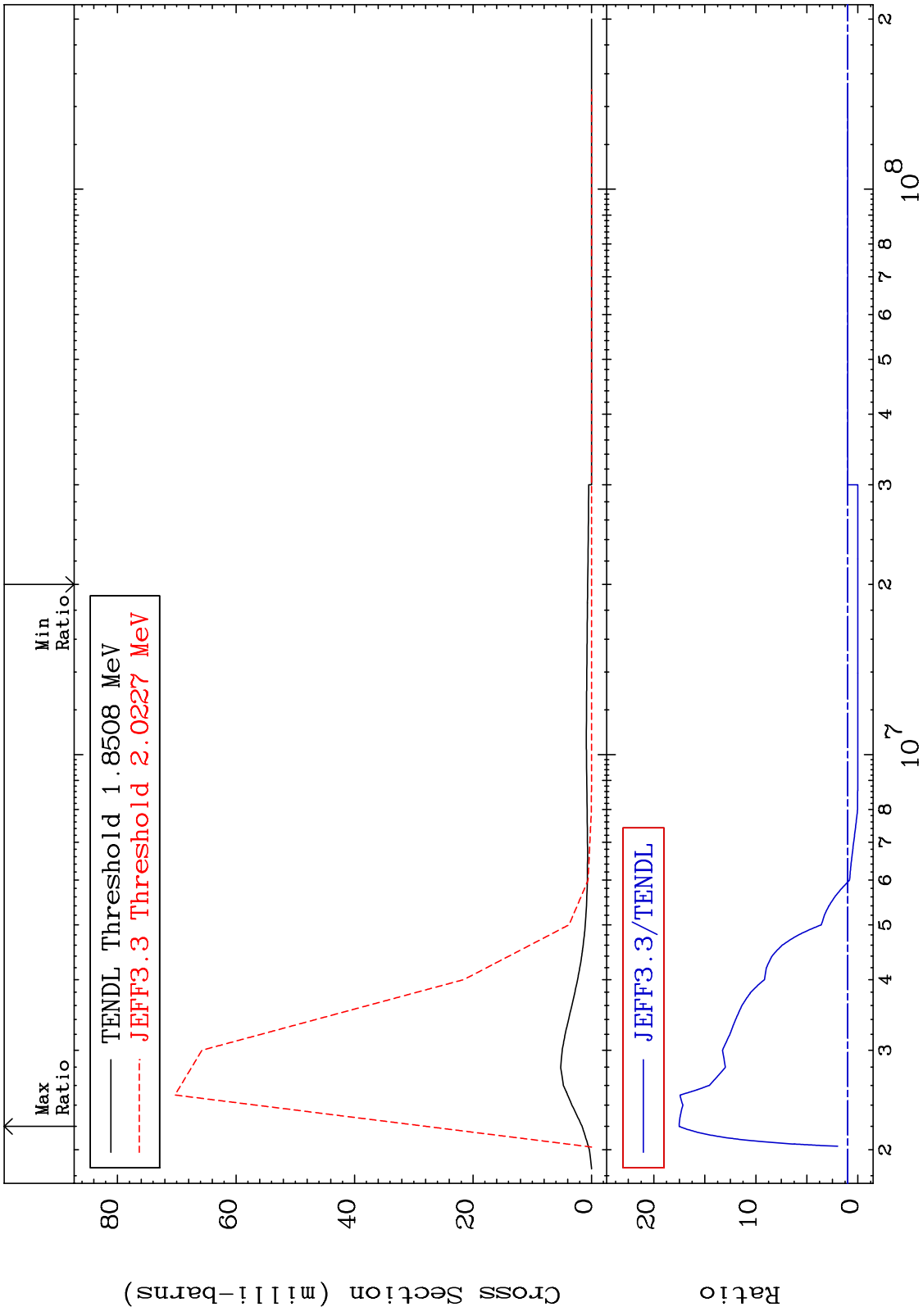
MAT 8025 MT= 62 (n,n') Level Cross Section -100.0 To 1415. % 80-Hg-196



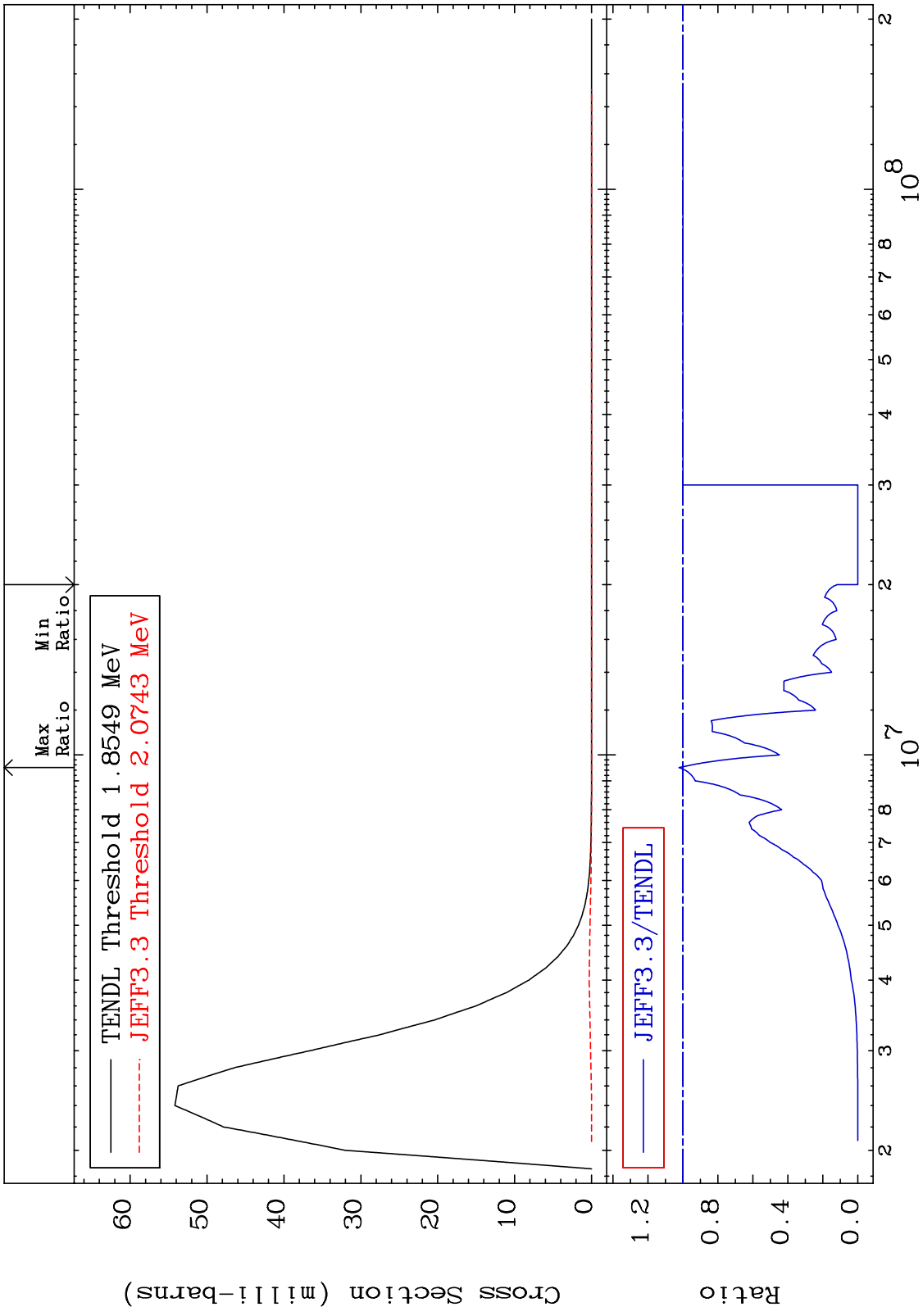
MAT 8025 MT= 63 (n,n') Level Cross Section -100.0 To 138.9 % 80-Hg-196



MAT 8025 MT= 64 (n,n') Level Cross Section -100.0 To 1653. % 80-Hg-196

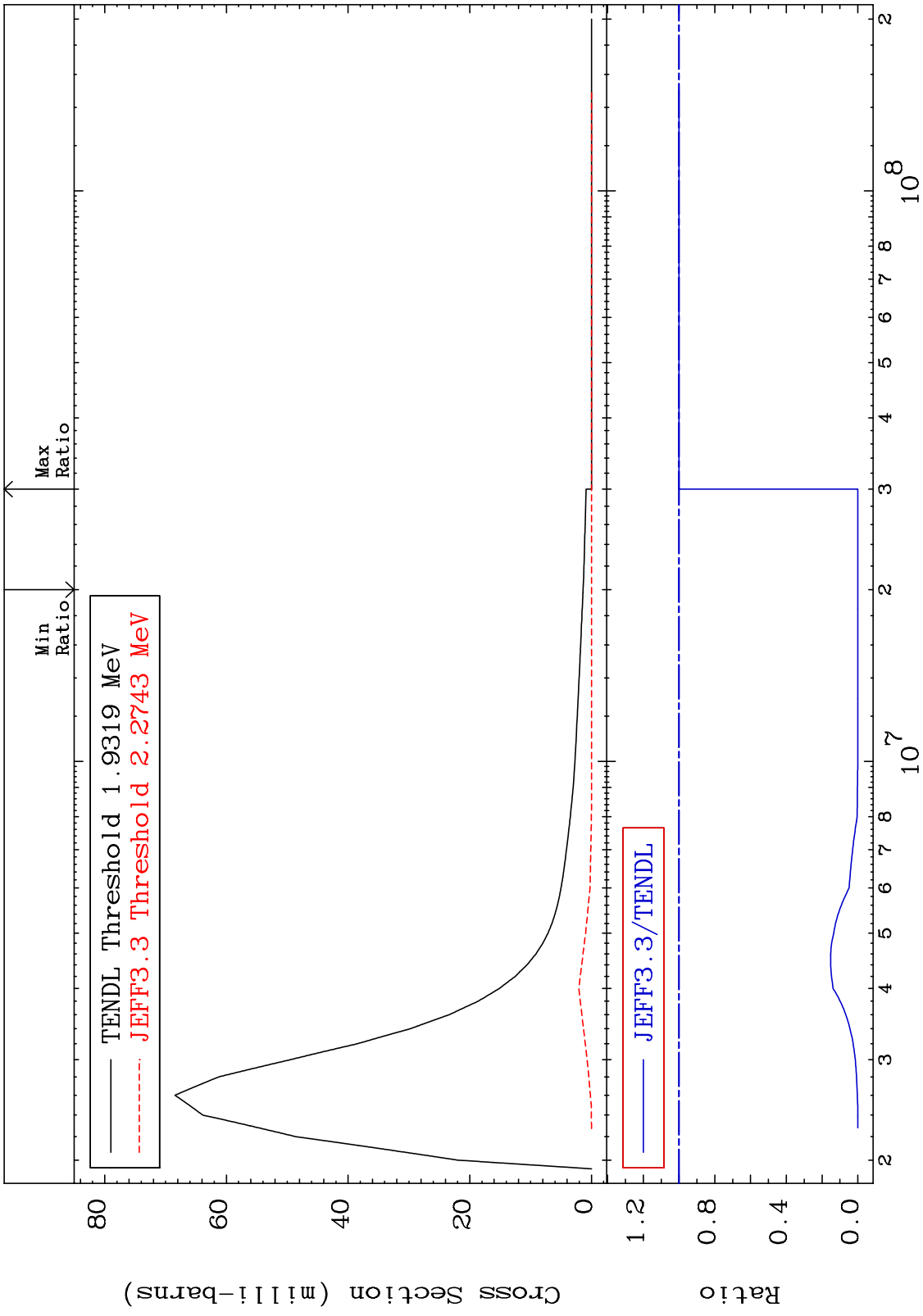


MAT 8025 MT= 65 (n,n') Level Cross Section 80-Hg-196  
 -100.0 To 2.262 %

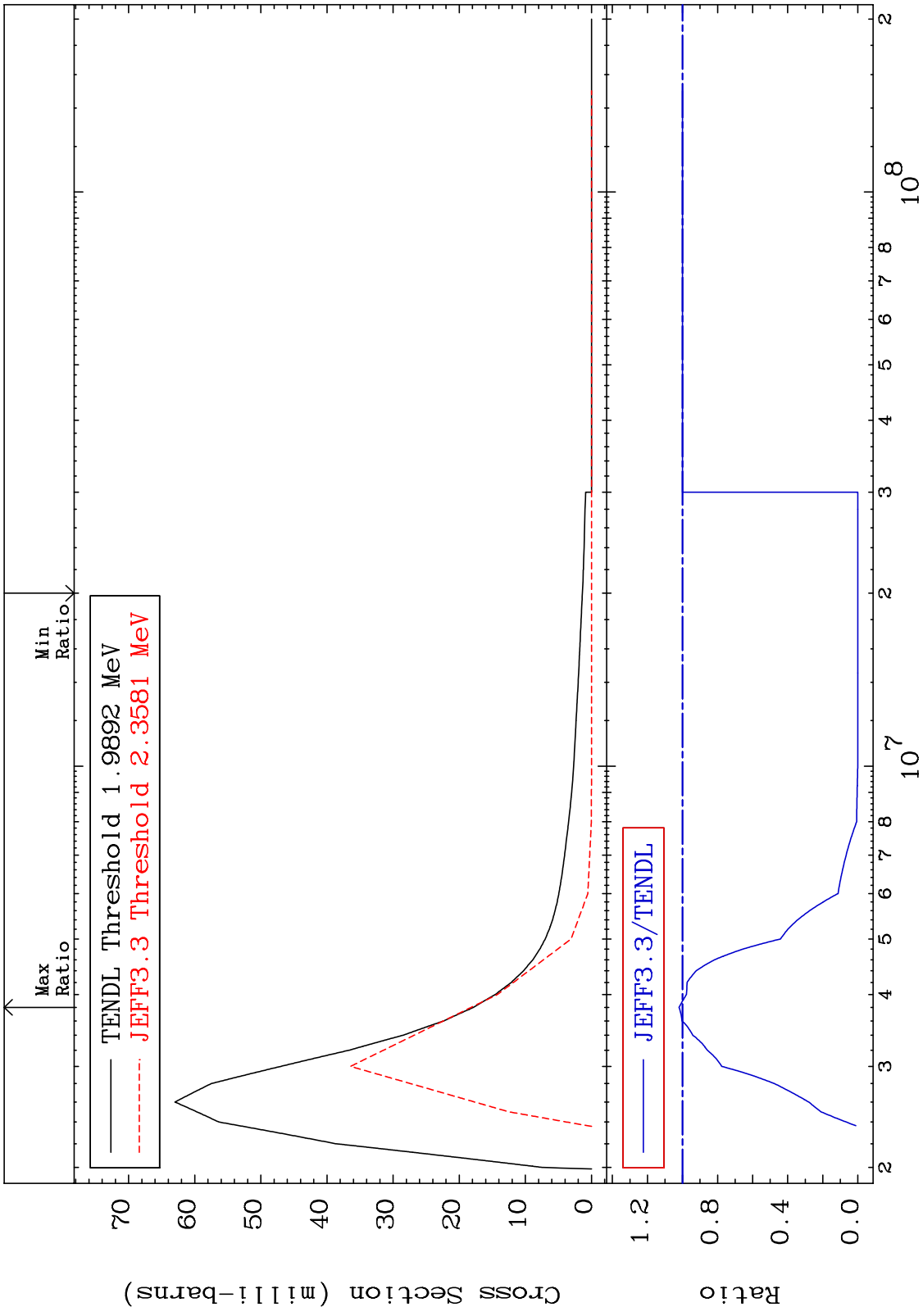




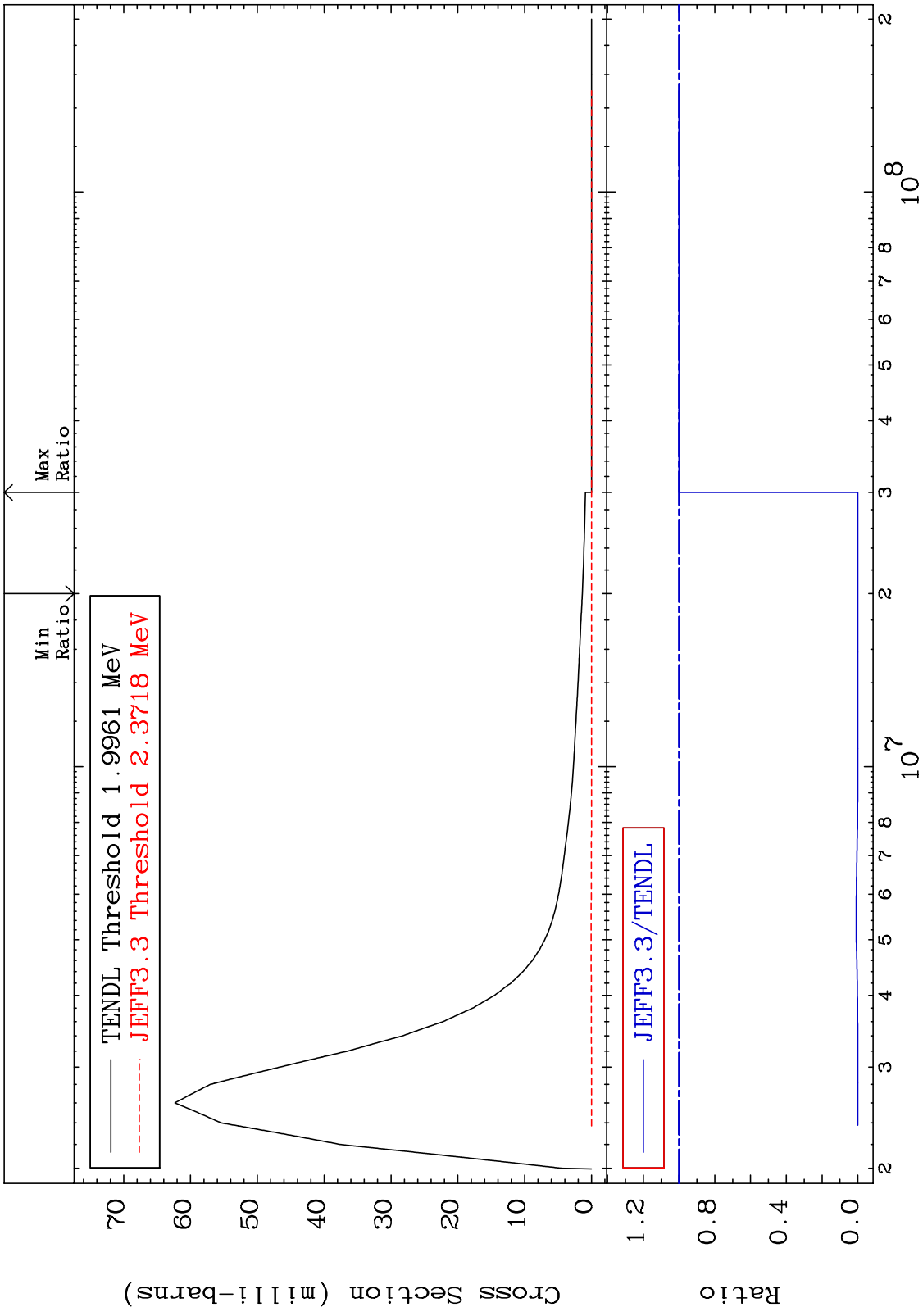
MAT 8025 MT= 66 (n,n') Level Cross Section 80-Hg-196  
 -100.0 To 0.000 %



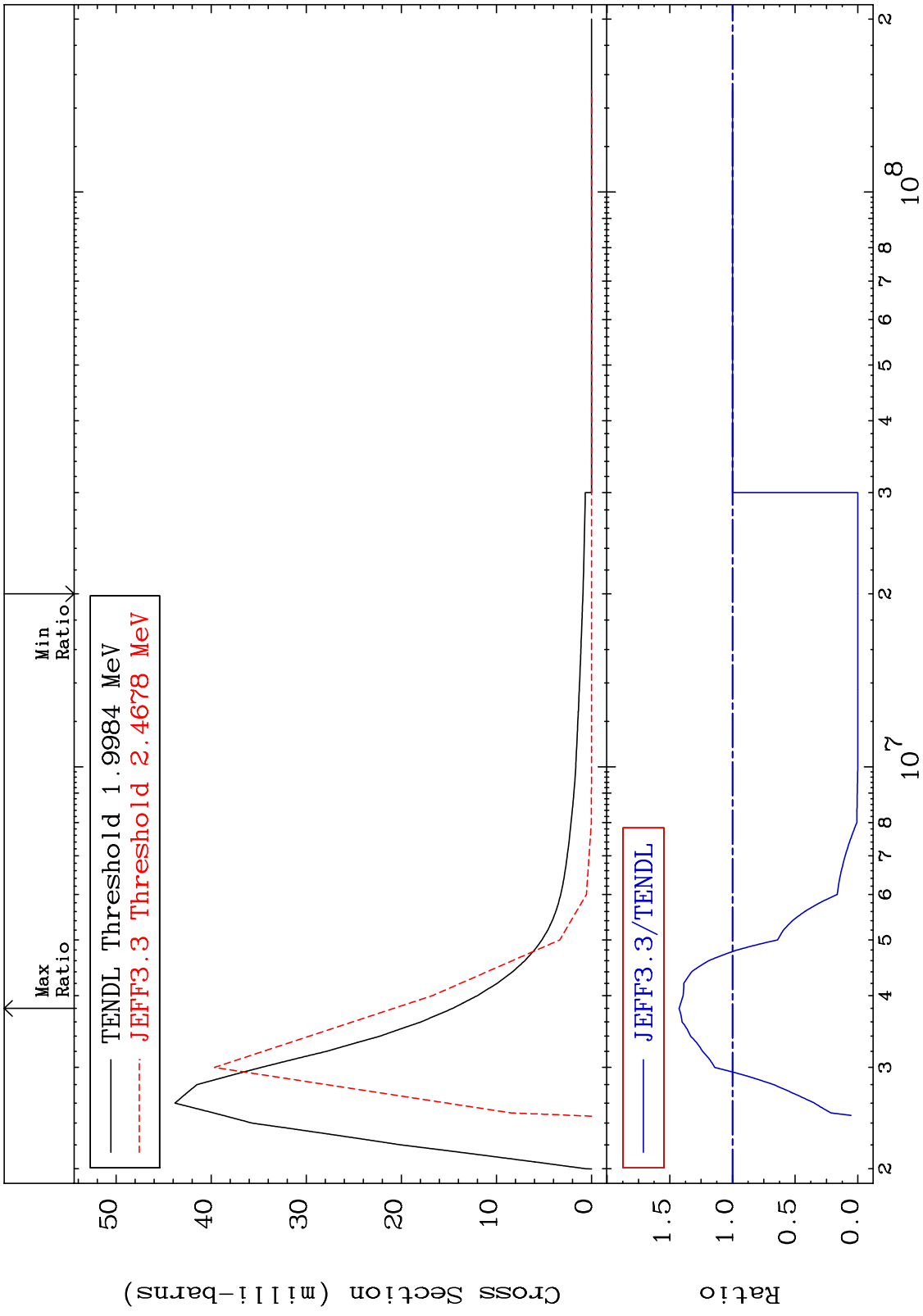
MAT 8025 MT= 67 (n,n') Level Cross Section 80-Hg-196  
 -100.0 To 1.972 %



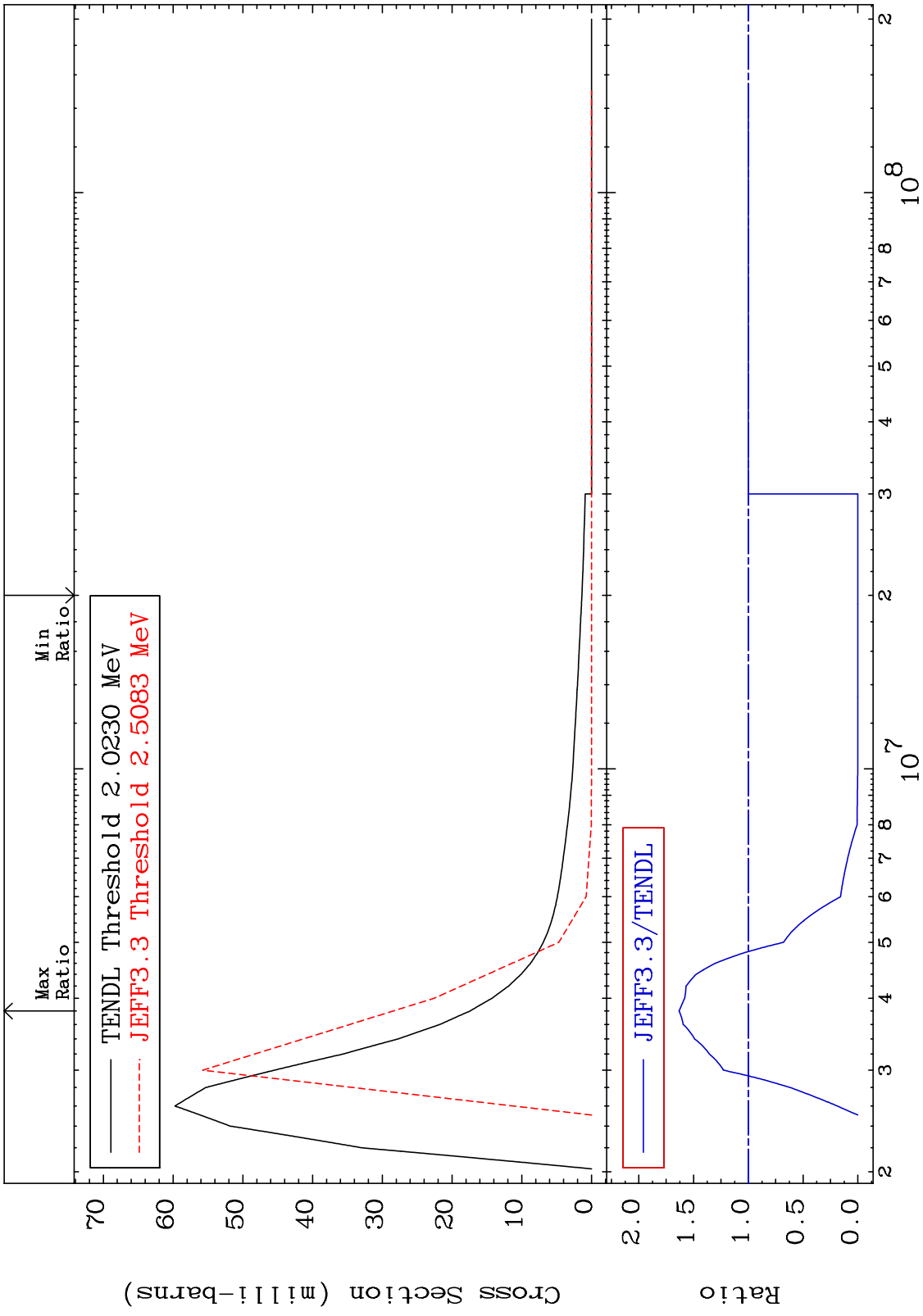
MAT 8025 MT= 68 (n,n') Level Cross Section 80-Hg-196  
 -100.0 To 0.000 %



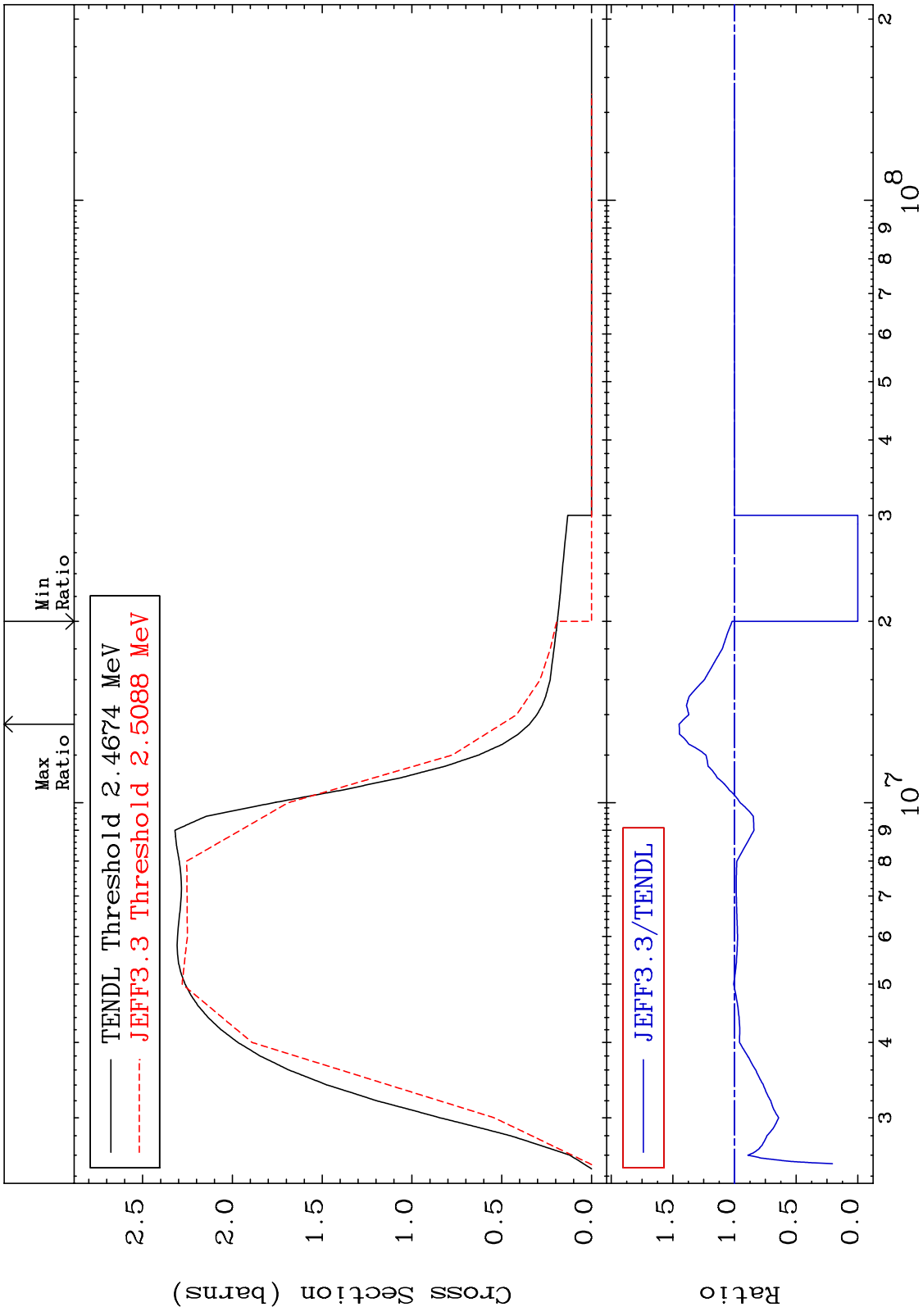
MAT 8025 MT= 69 (n,n') Level Cross Section 80-Hg-196  
 -100.0 To 42.61 %



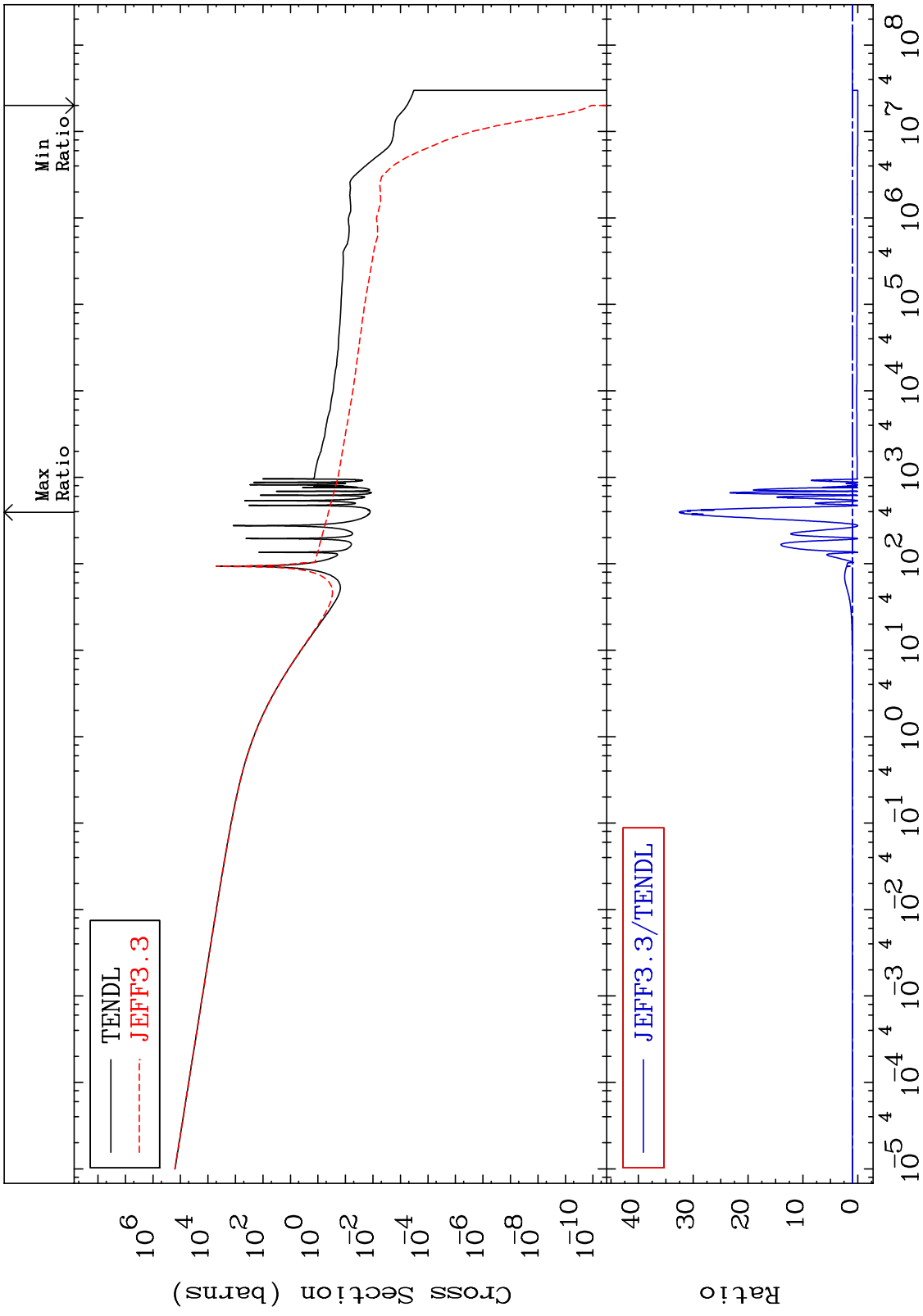
MAT 8025 MT= 70 (n,n') Level Cross Section -100.0 To 63.25 % 80-Hg-196



MAT 8025 80-Hg-196  
 (n, n') Continuum -100.0 To 45.03 %  
 Cross Section



MAT 8025  $(n, \gamma)$  Cross Section 80-Hg-196 -100.0 To 3159. %



30 80-Hg-196

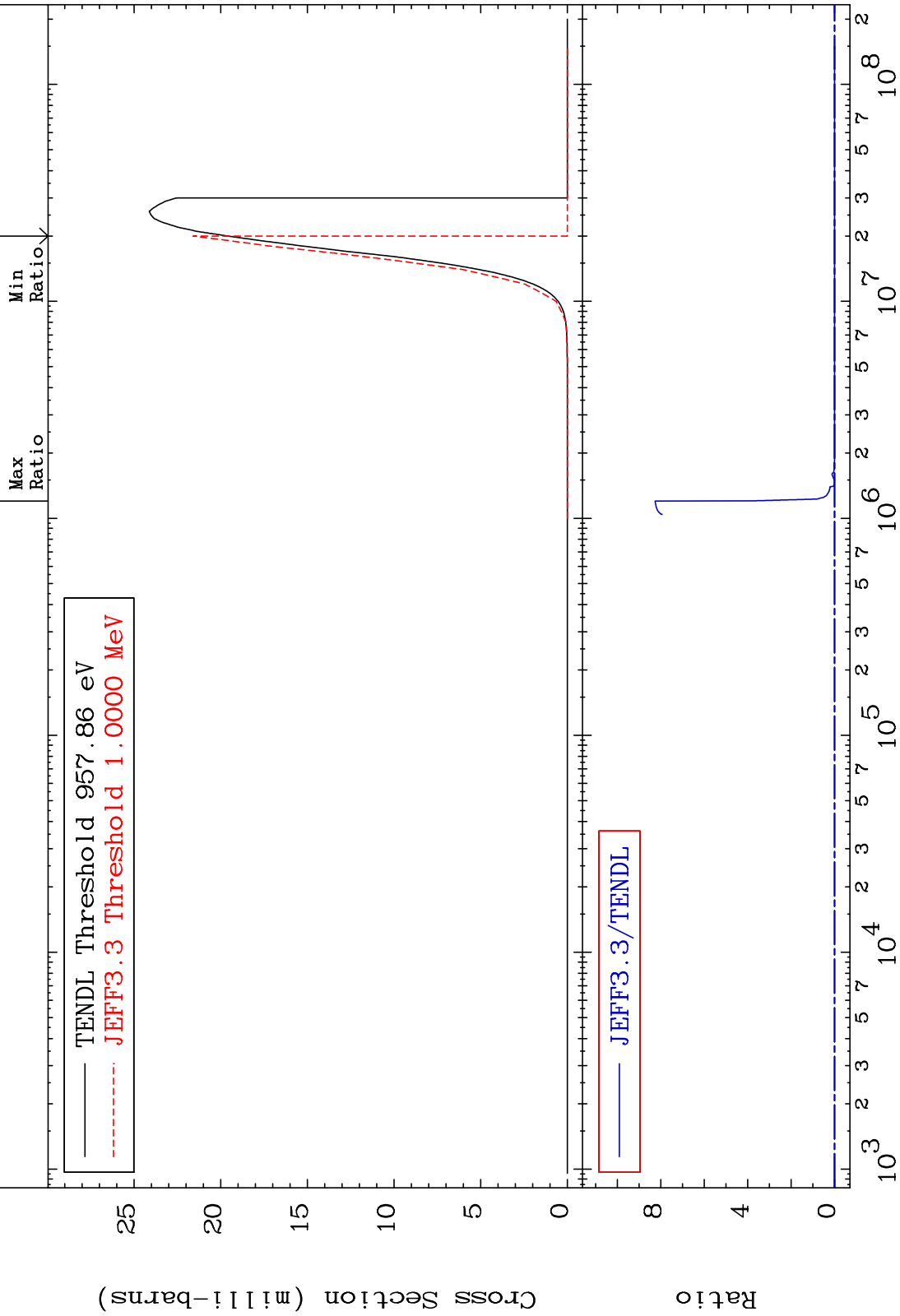
MAT 8025

(n,p)

80-Hg-196

Cross Section

-100.0 To 9999. %



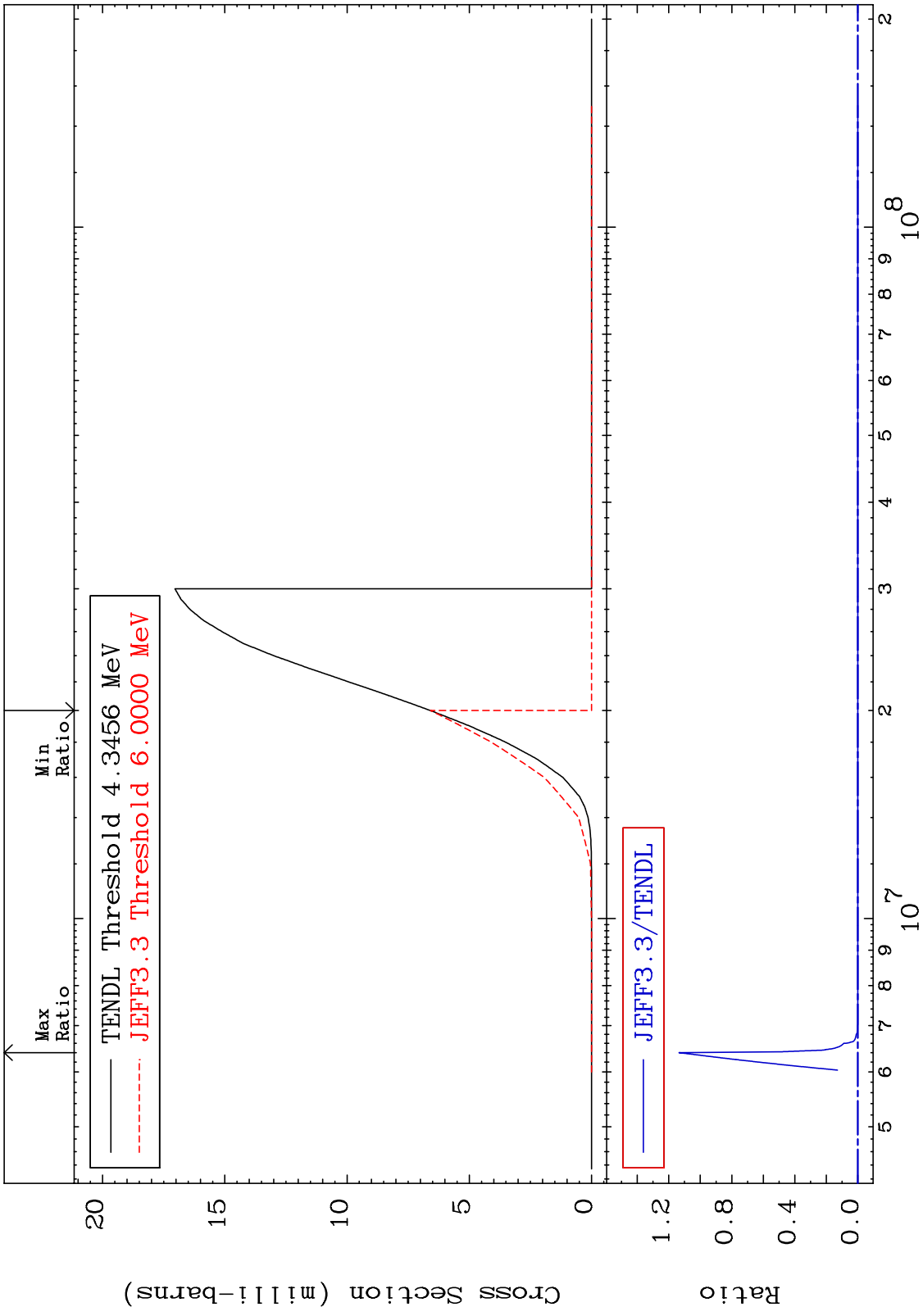
31

Incident Energy (eV)

80-Hg-196

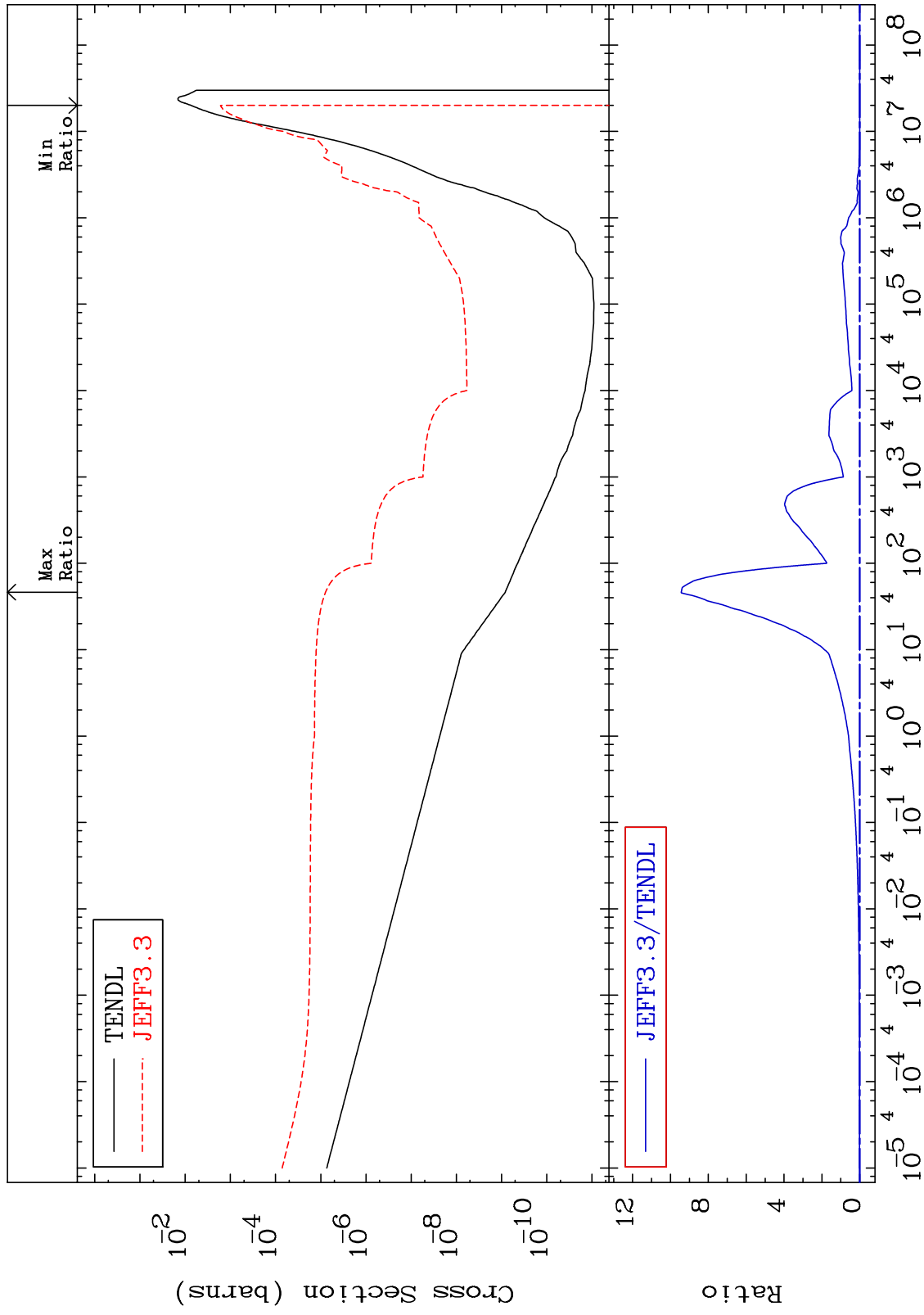


MAT 8025 (n,d) Cross Section 80-Hg-196  
 -100.0 To 9999. %



MAT 8025

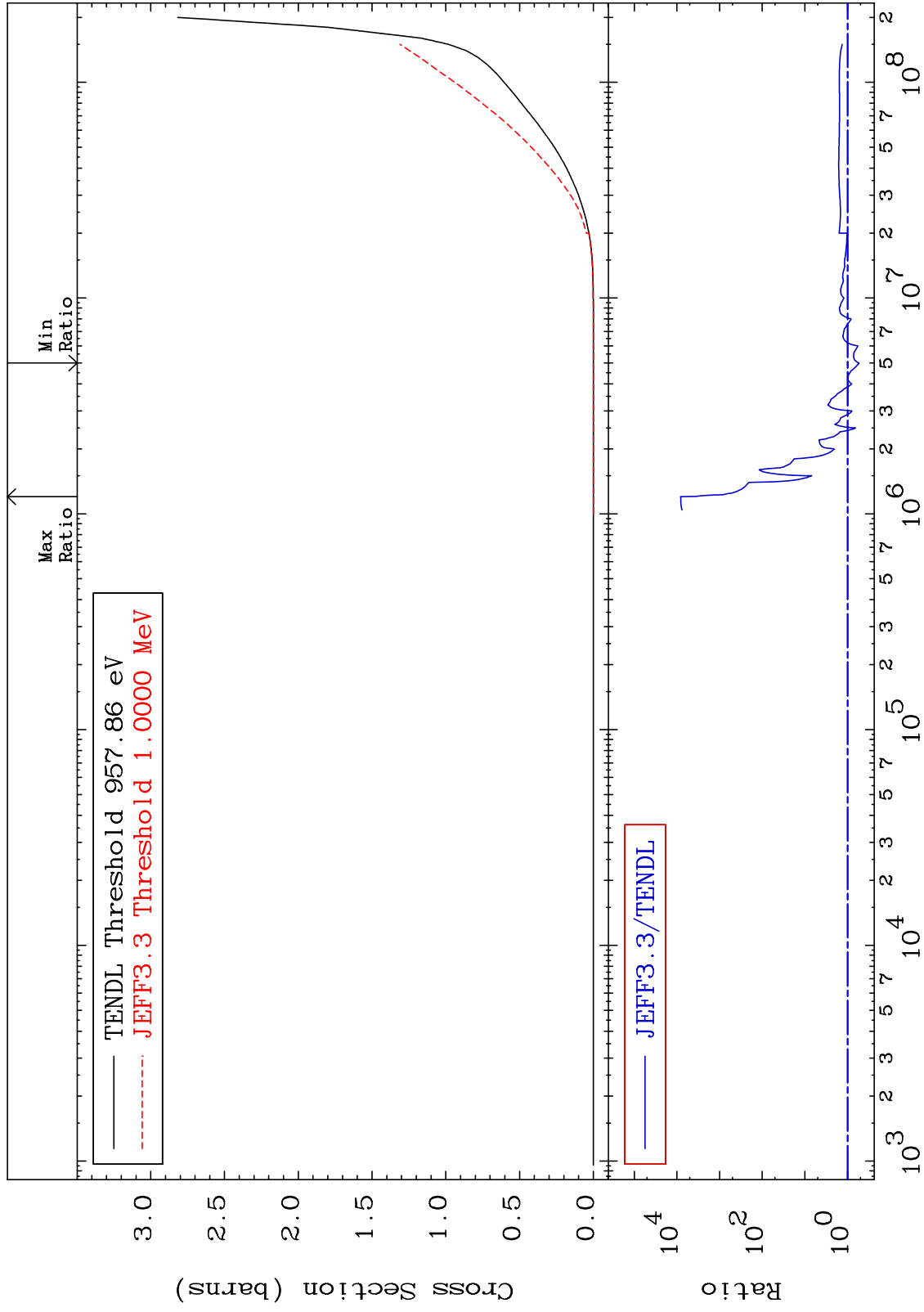
(n,  $\alpha$ ) Cross Section  
80-Hg-196  
-100.0 To 9999. %



MAT 8025

Hydrogen Production  
Cross Section

80-Hg-196  
-46.03 To 9999. %

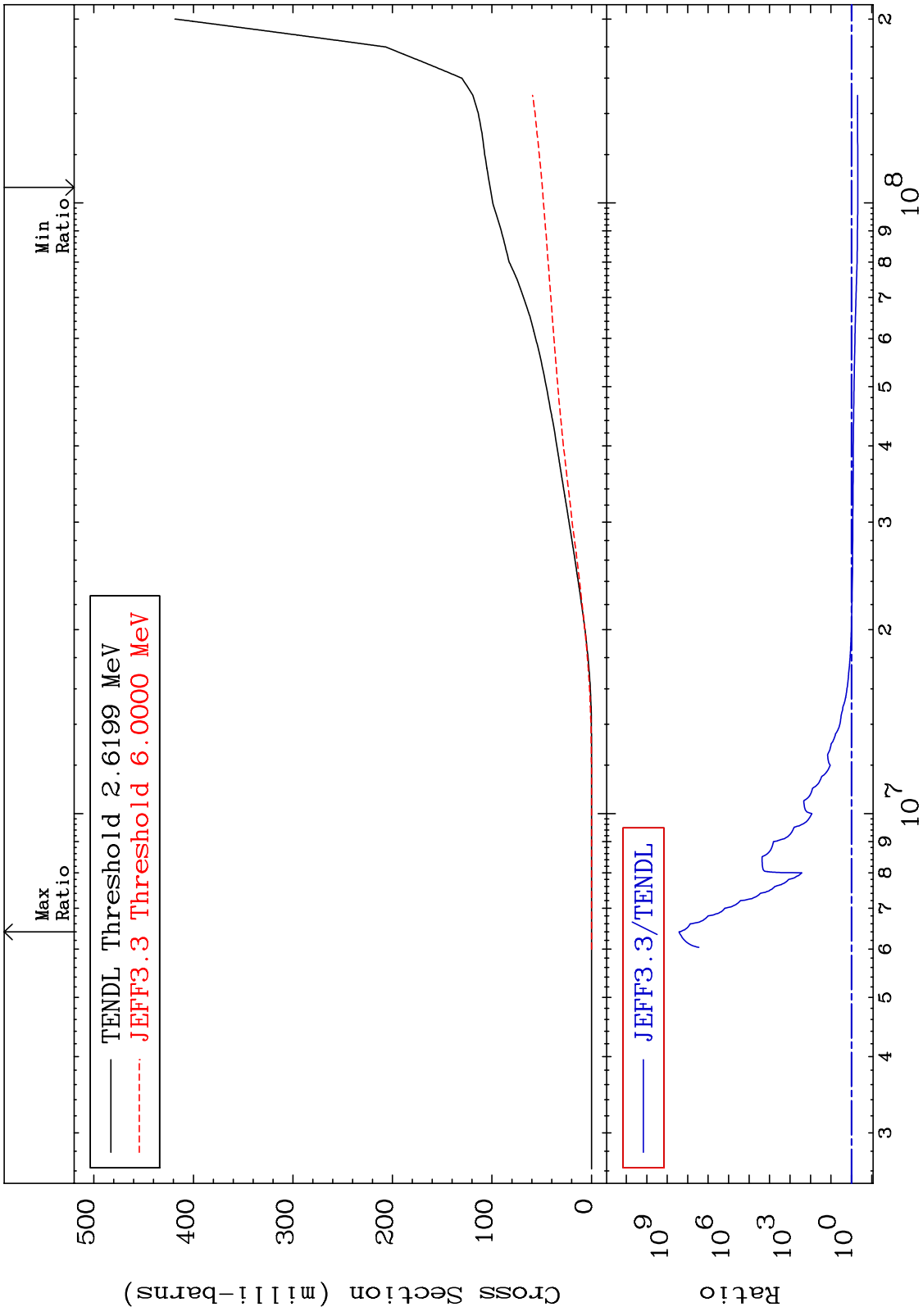


34

Incident Energy (eV)

80-Hg-196

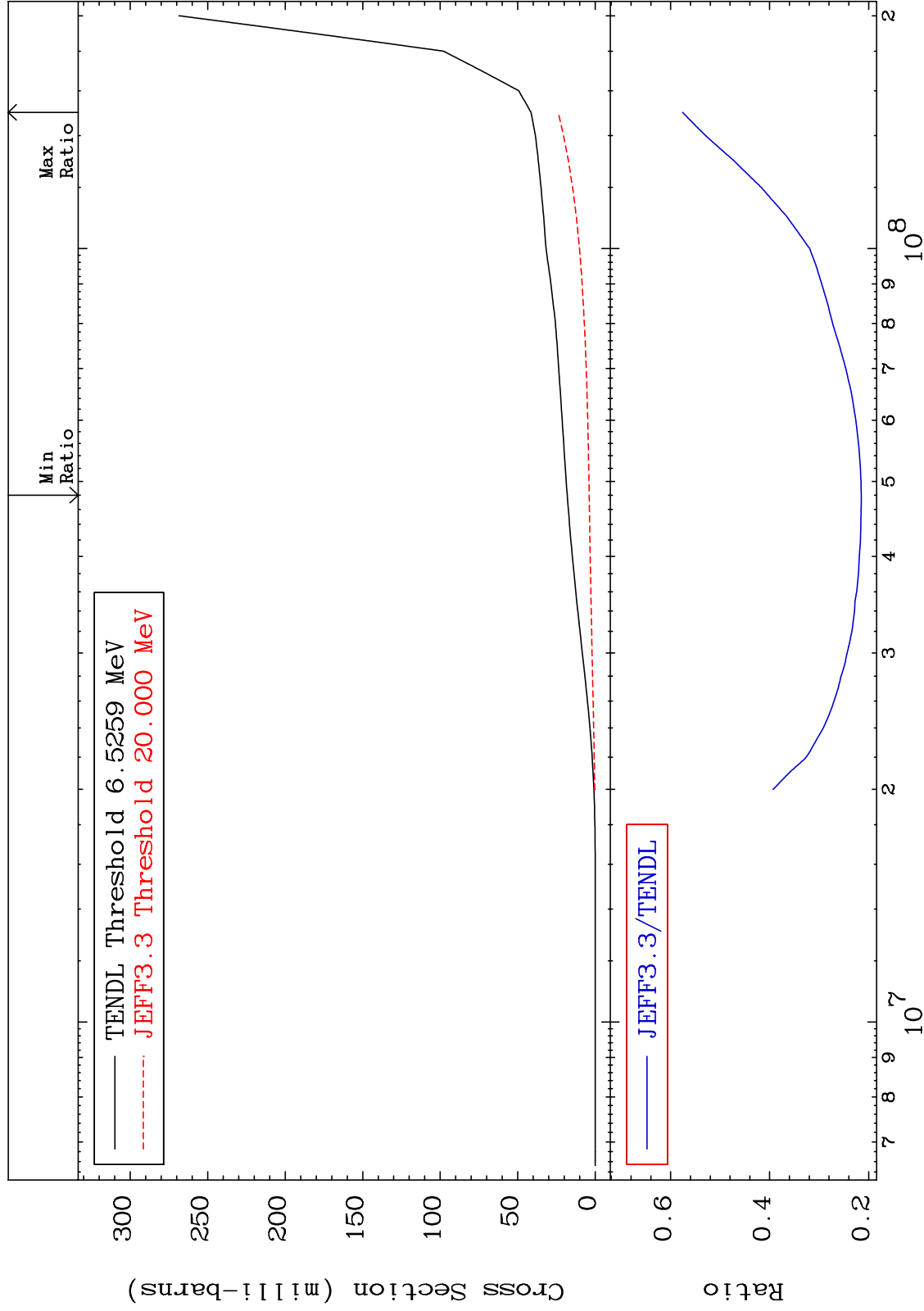
MAT 8025 Deuterium Production Cross Section 80-Hg-196  
 -51.46 To 9999. %



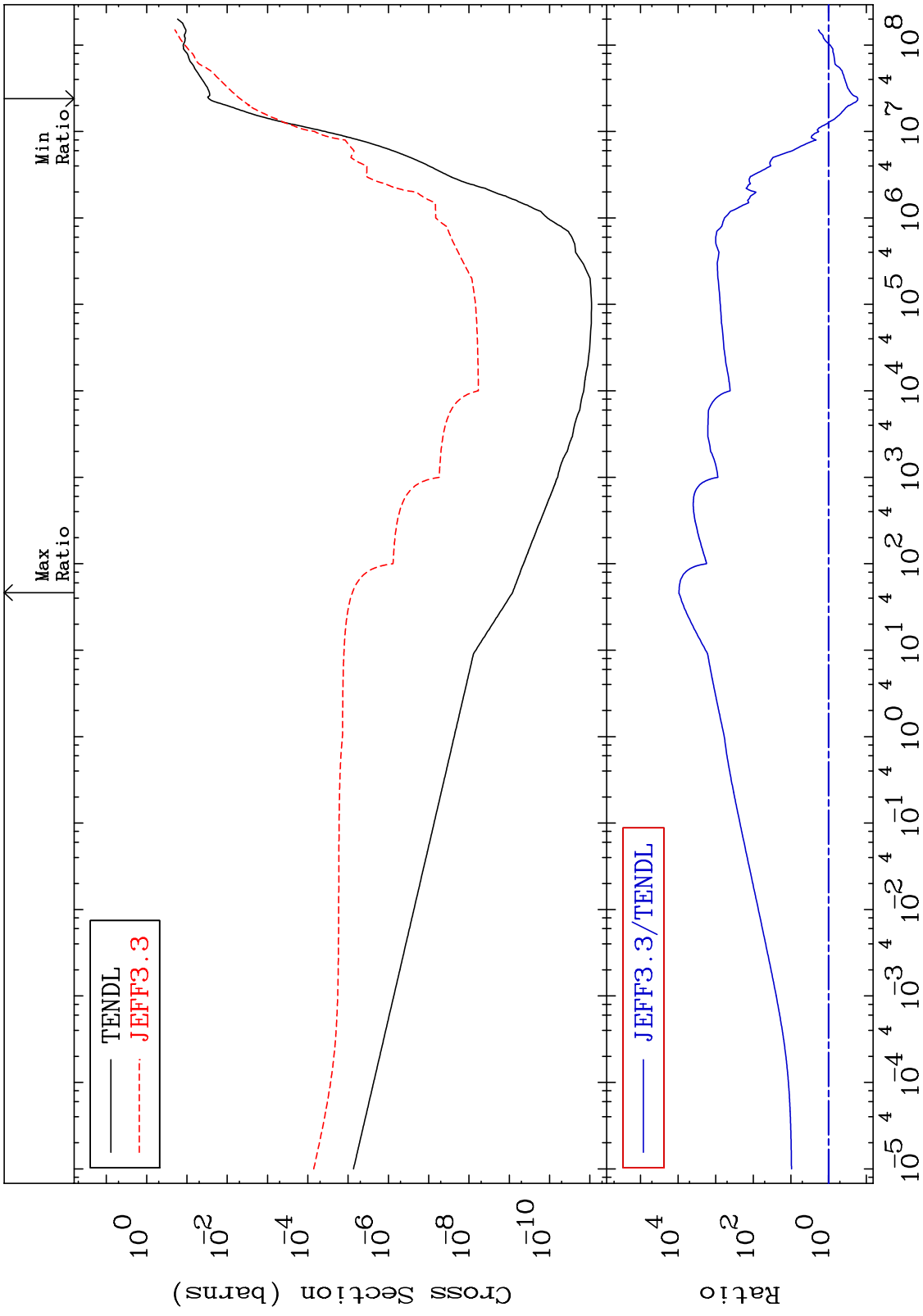
MAT 8025

Tritium Production  
Cross Section

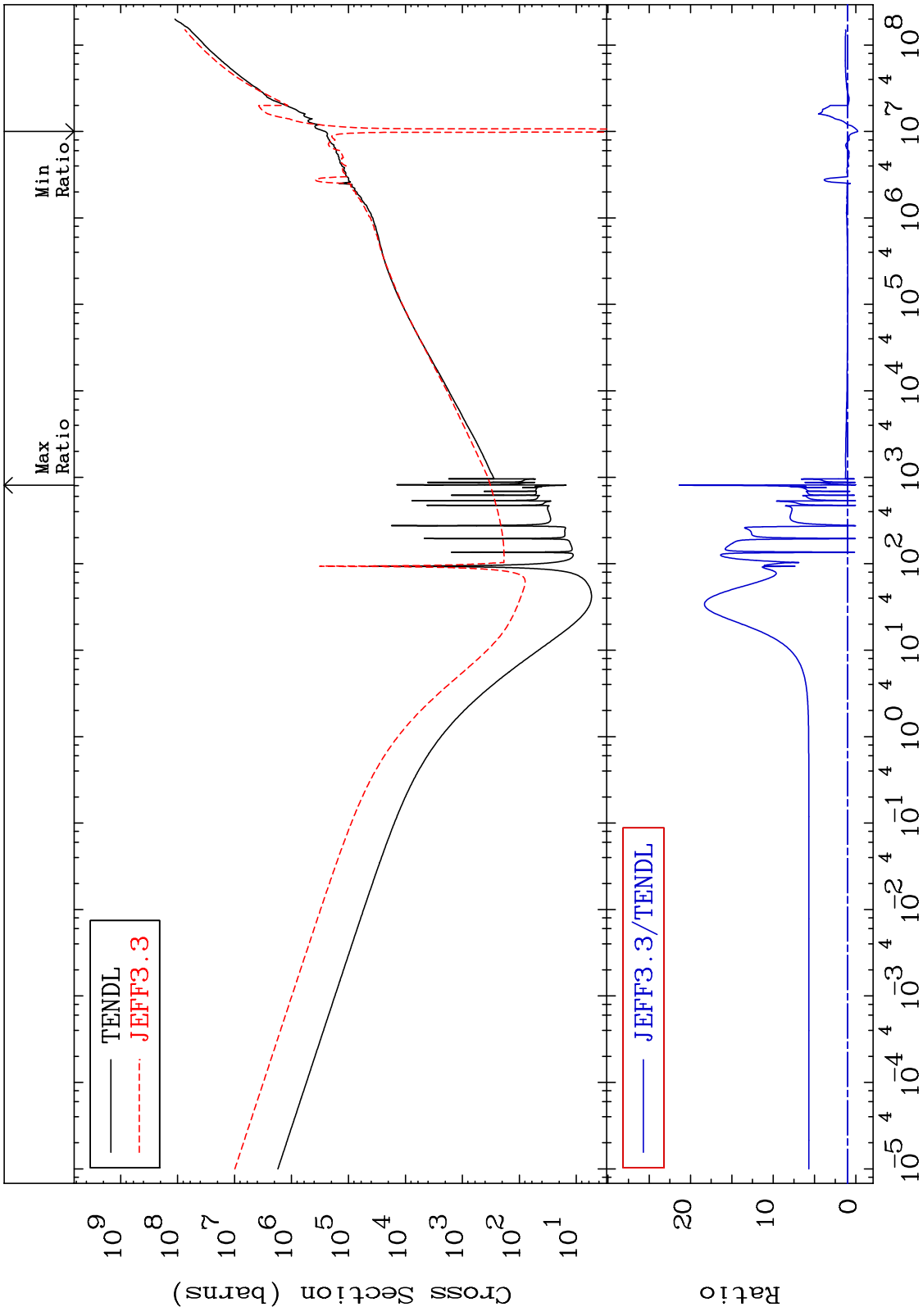
80-Hg-196  
-78.52 To -42.43%



MAT 8025 He-4 Production Cross Section 80-Hg-196  
-83.30 To 9999. %



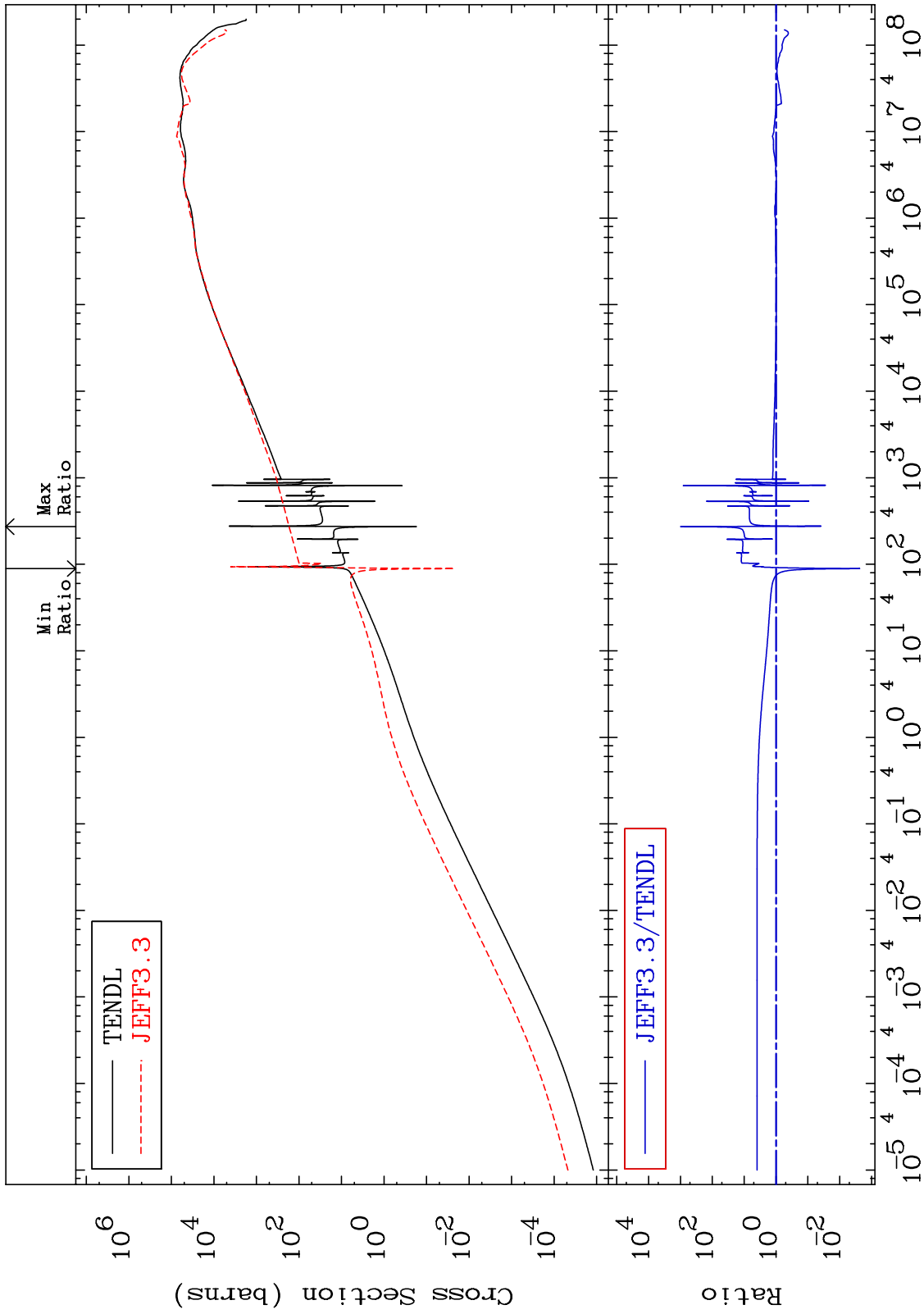
MAT 8025      Kerma total (eV-barns)  
 Cross Section      -123.9 To 2039. %      80-Hg-196



MAT 8025

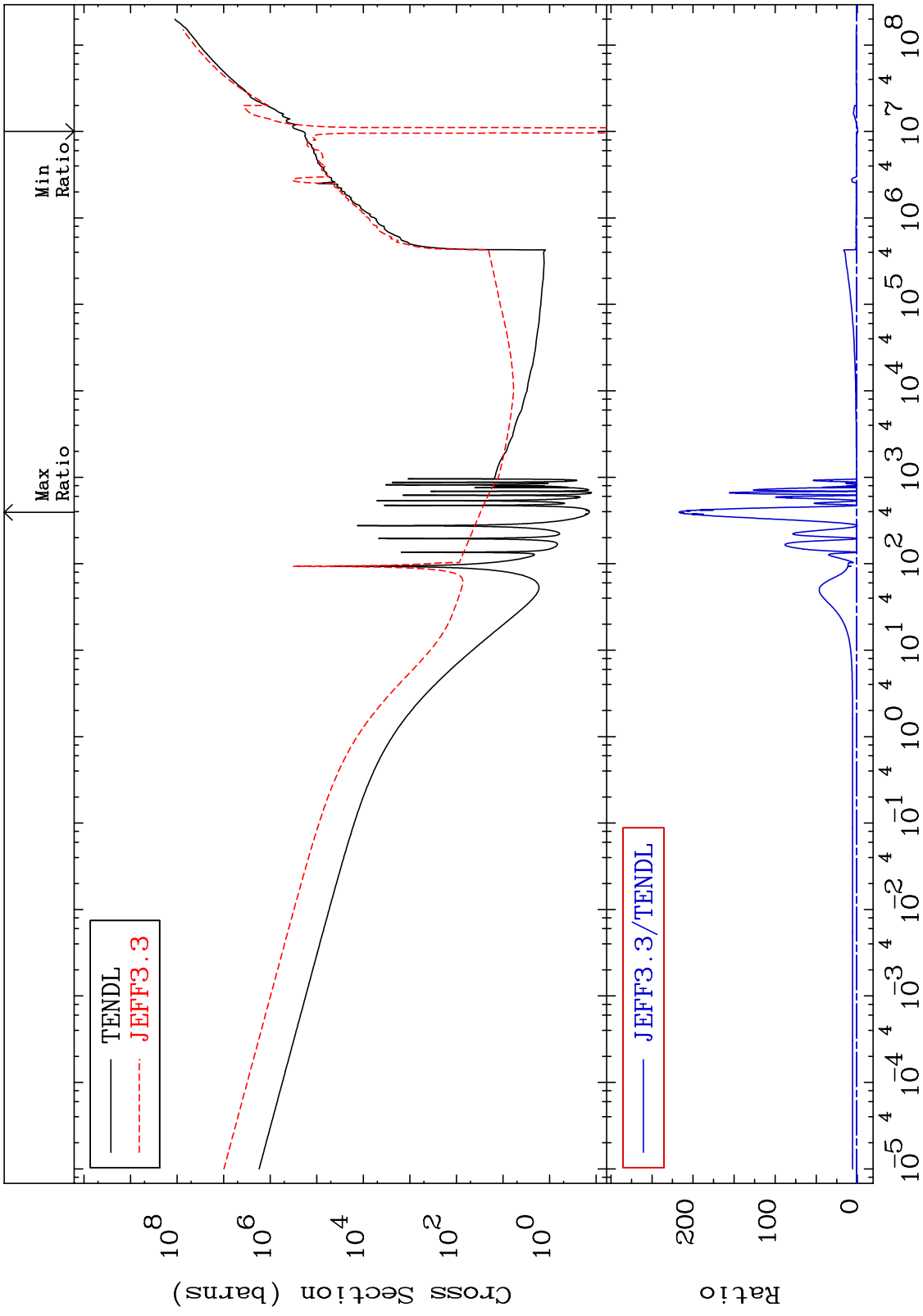
Kerma elastic  
Cross Section

80-Hg-196  
-99.76 To 9999. %



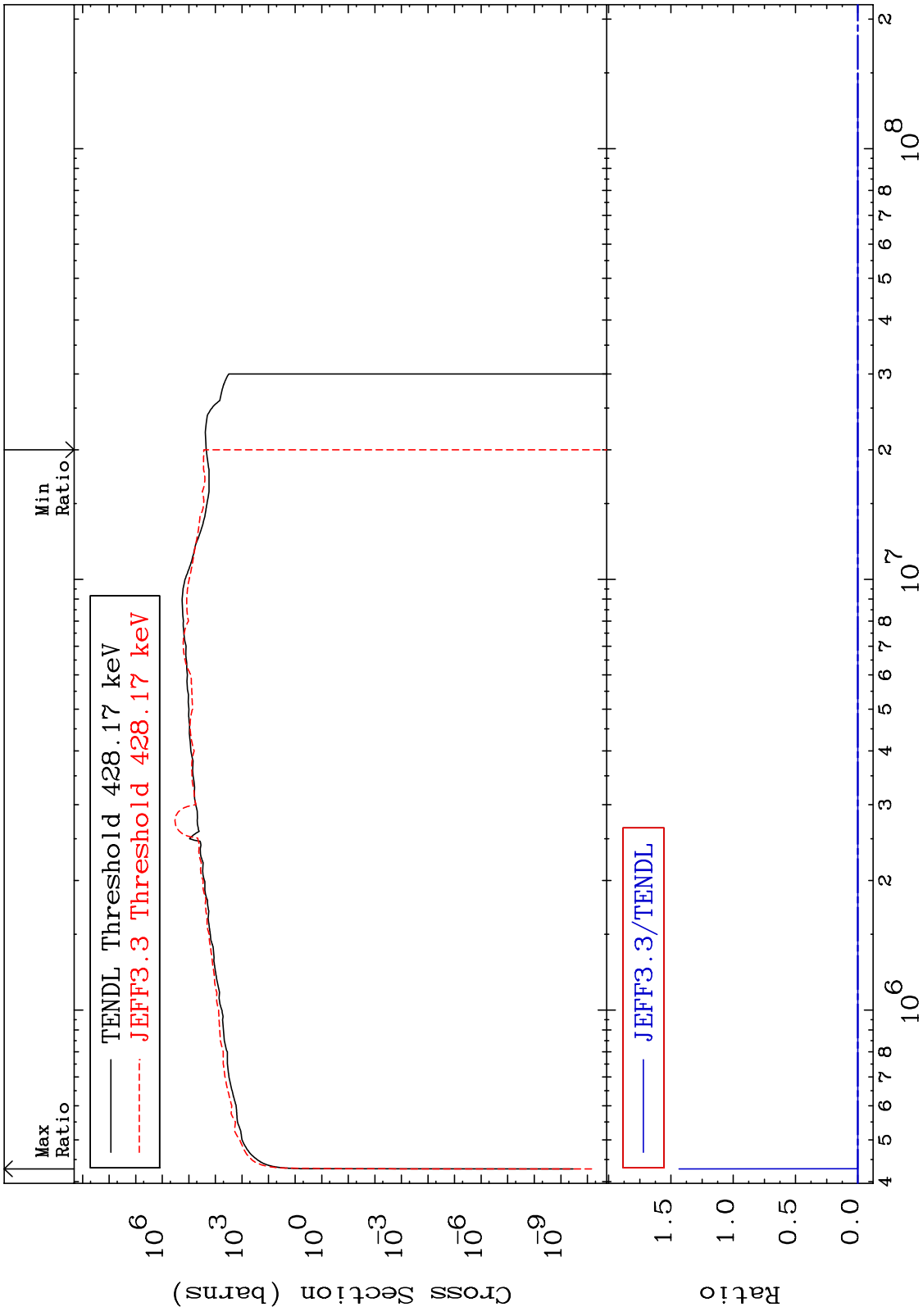


MAT 8025 Kerma non-elastic (all but mt.2) 80-Hg-196  
 -167.1 To 9999. % Cross Section



40 80-Hg-196

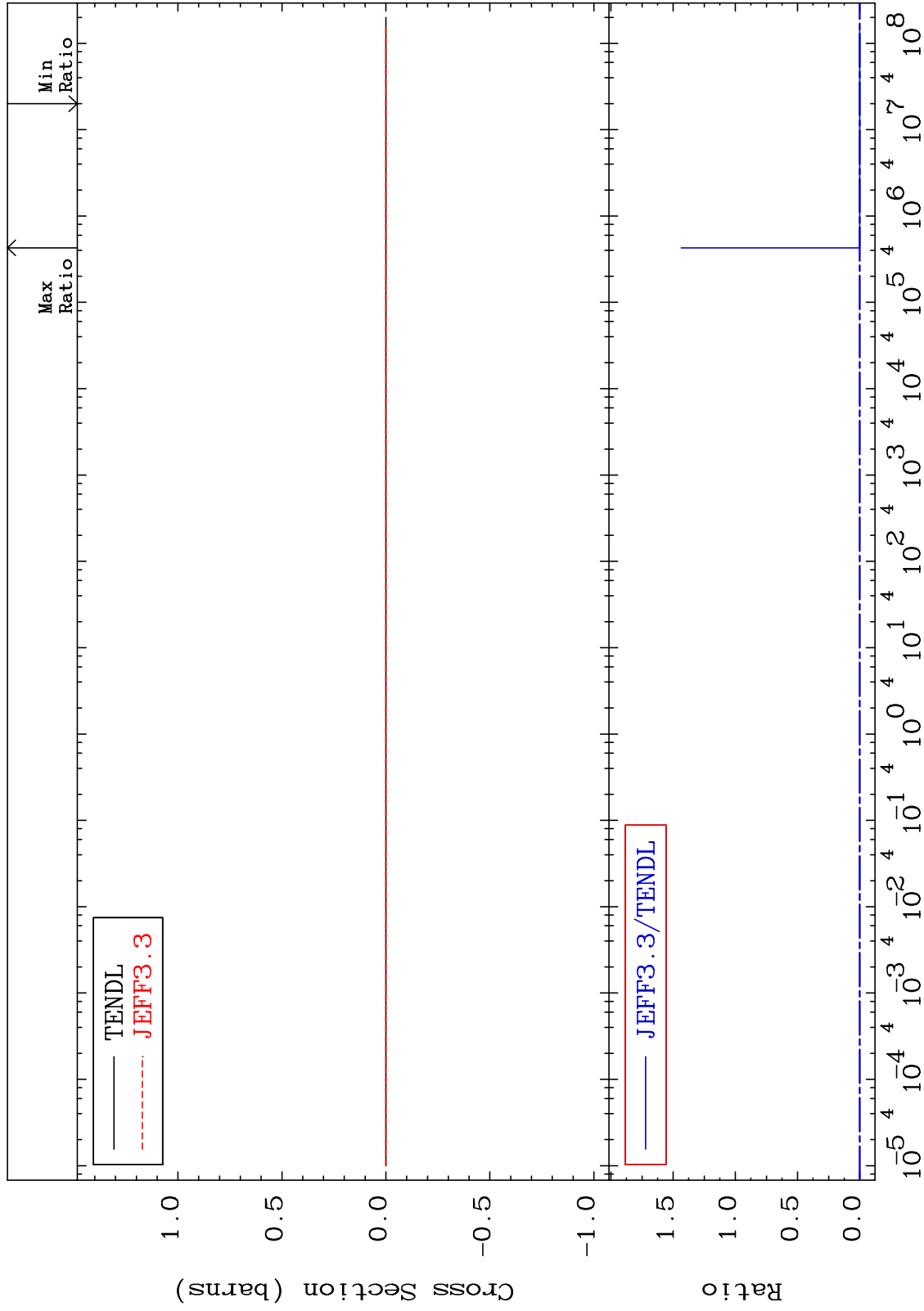
MAT 8025 Kerma inelastic (mt51-91) 80-Hg-196  
 -100.0 To 9999. %



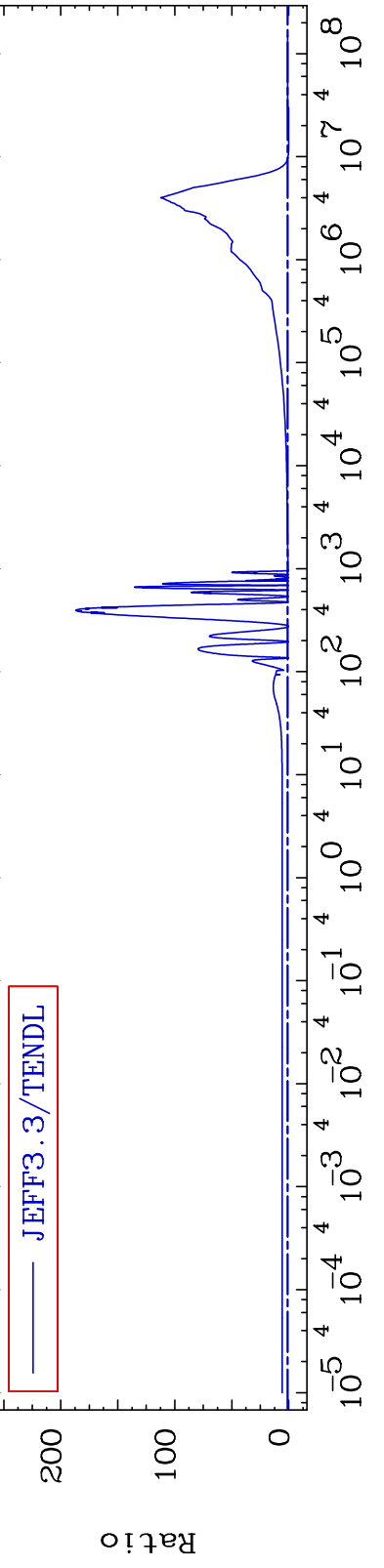
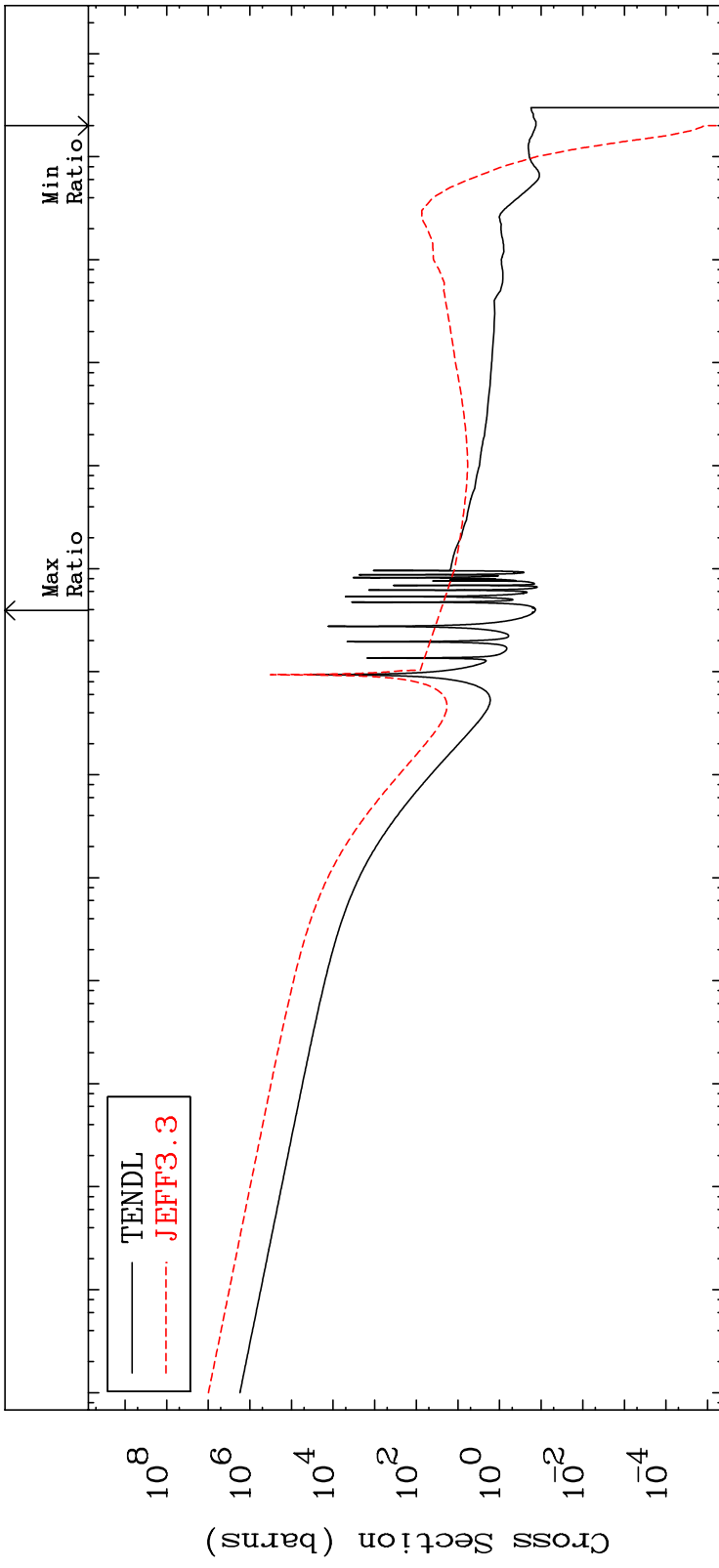
MAT 8025

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

80-Hg-196  
-100.0 To 9999. %

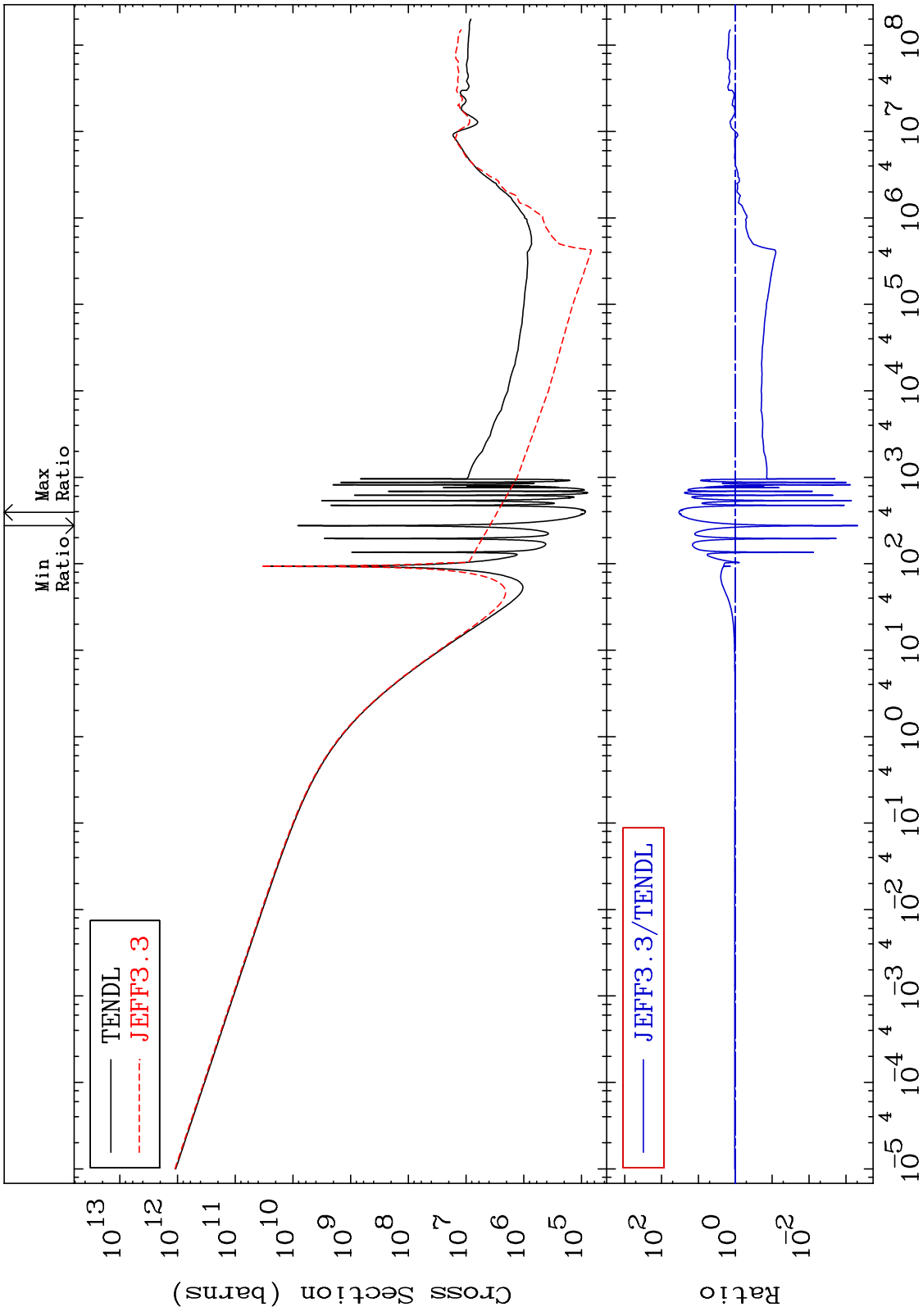


MAT 8025 80-Hg-196  
 Kerma capture (mt102) -100.0 To 9999. %  
 Cross Section

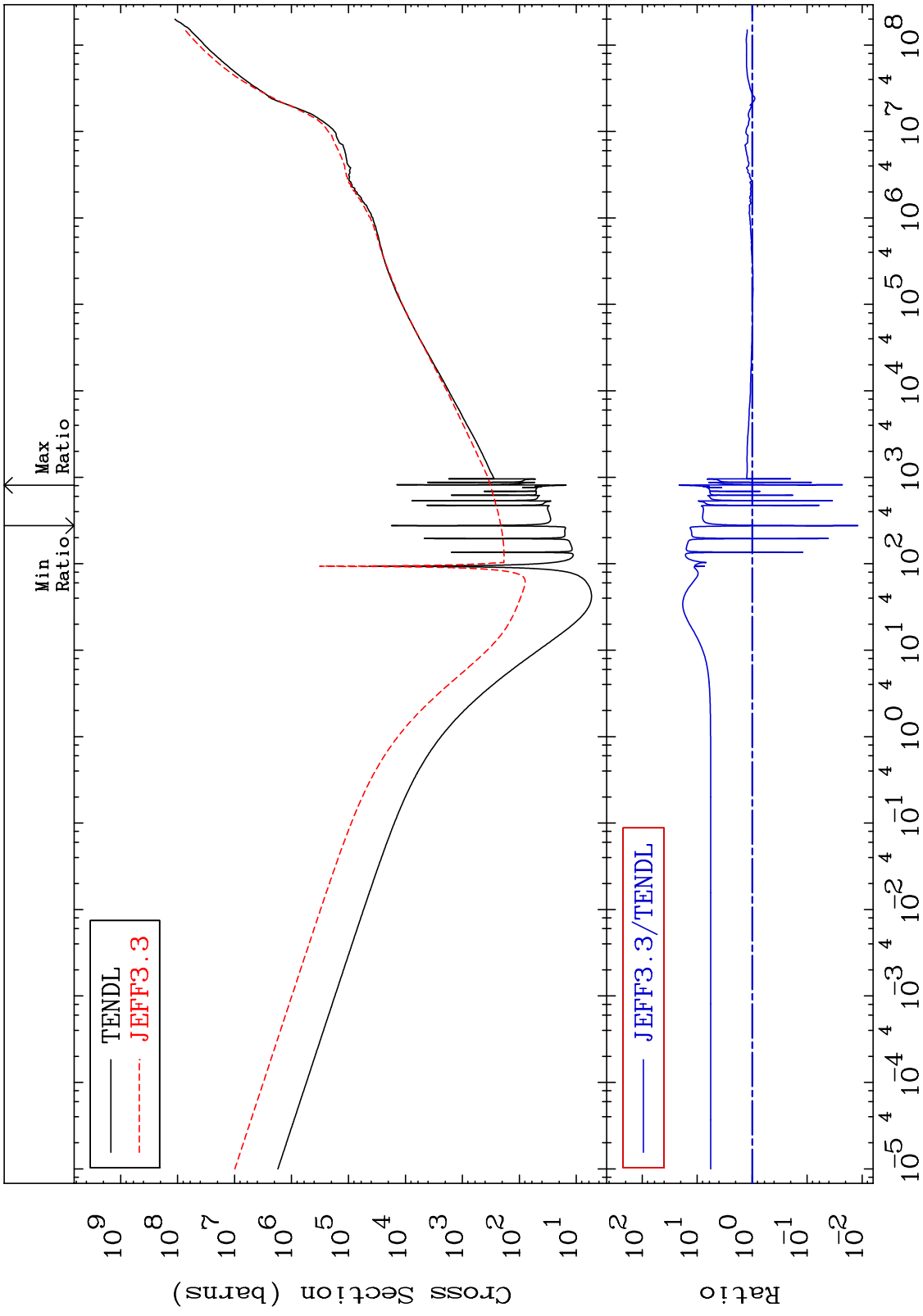


43 80-Hg-196

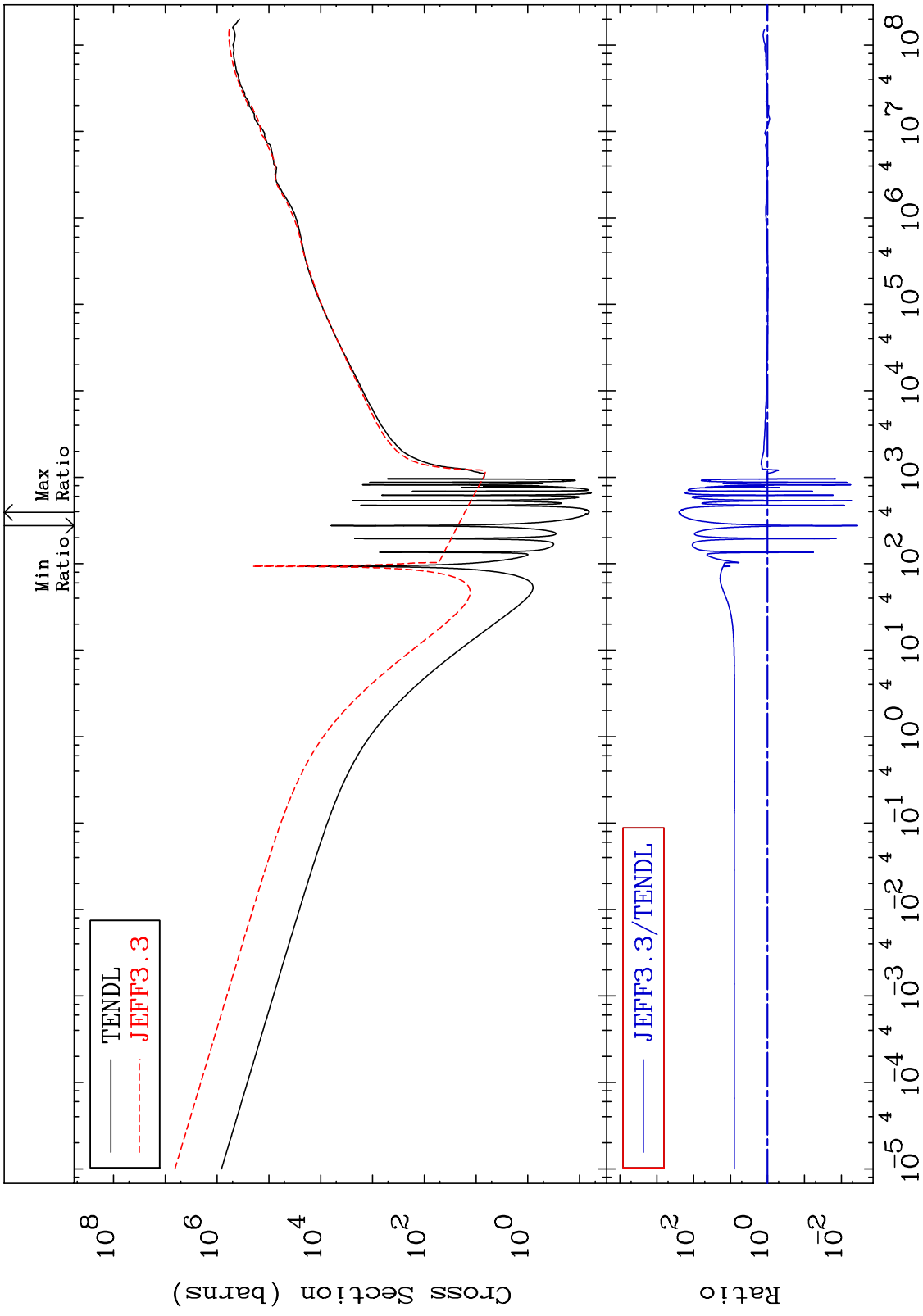
MAT 8025 80-Hg-196  
-99.95 To 3253. %  
 Total photon (eV-barns)  
 Cross Section



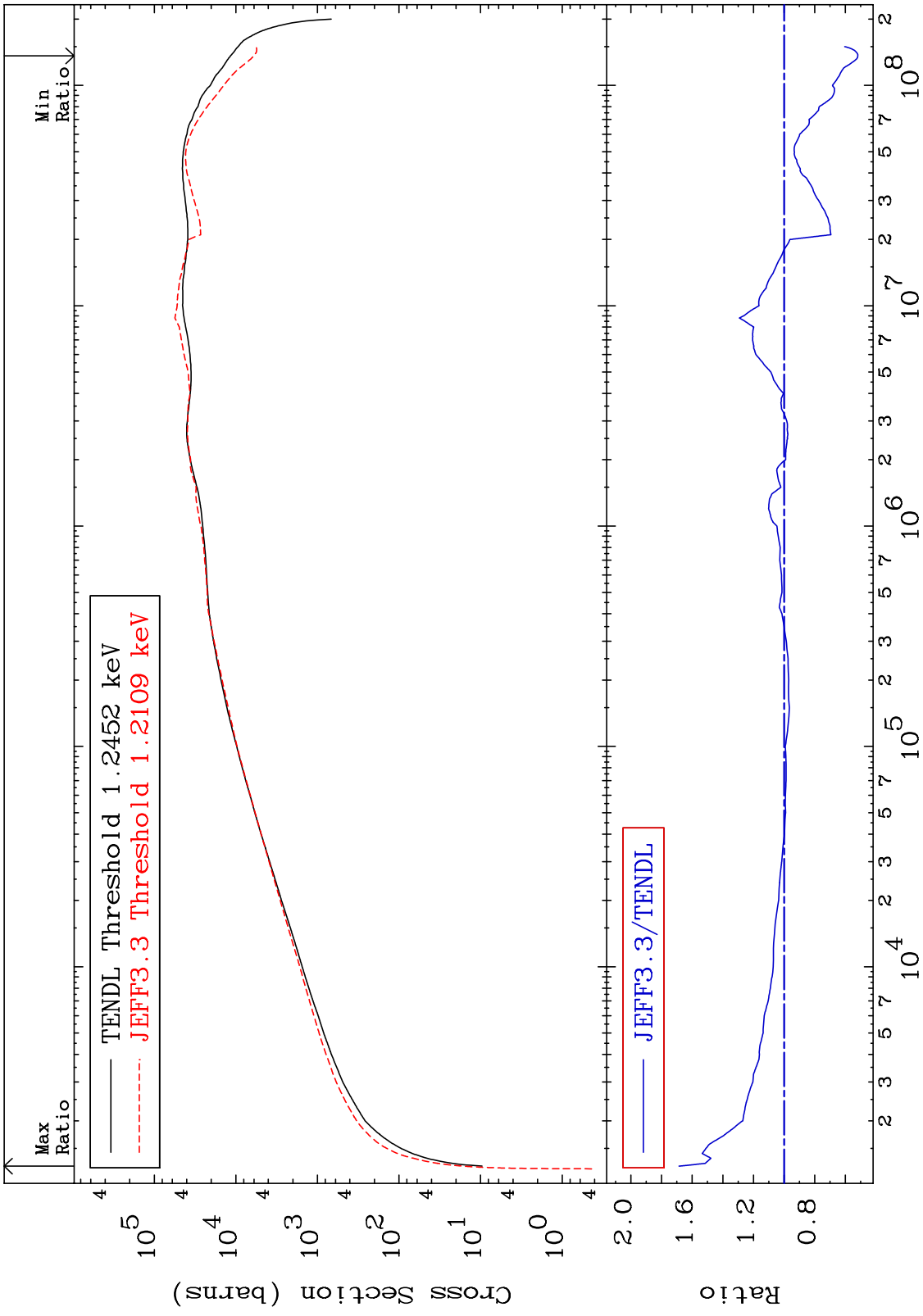
MAT 8025 Total kinematic kerma (high limit) 80-Hg-196  
 Cross Section -98.80 To 2039. %



MAT 8025      Dpa total (eV-barns)      80-Hg-196  
 -99.64 To 9999. %

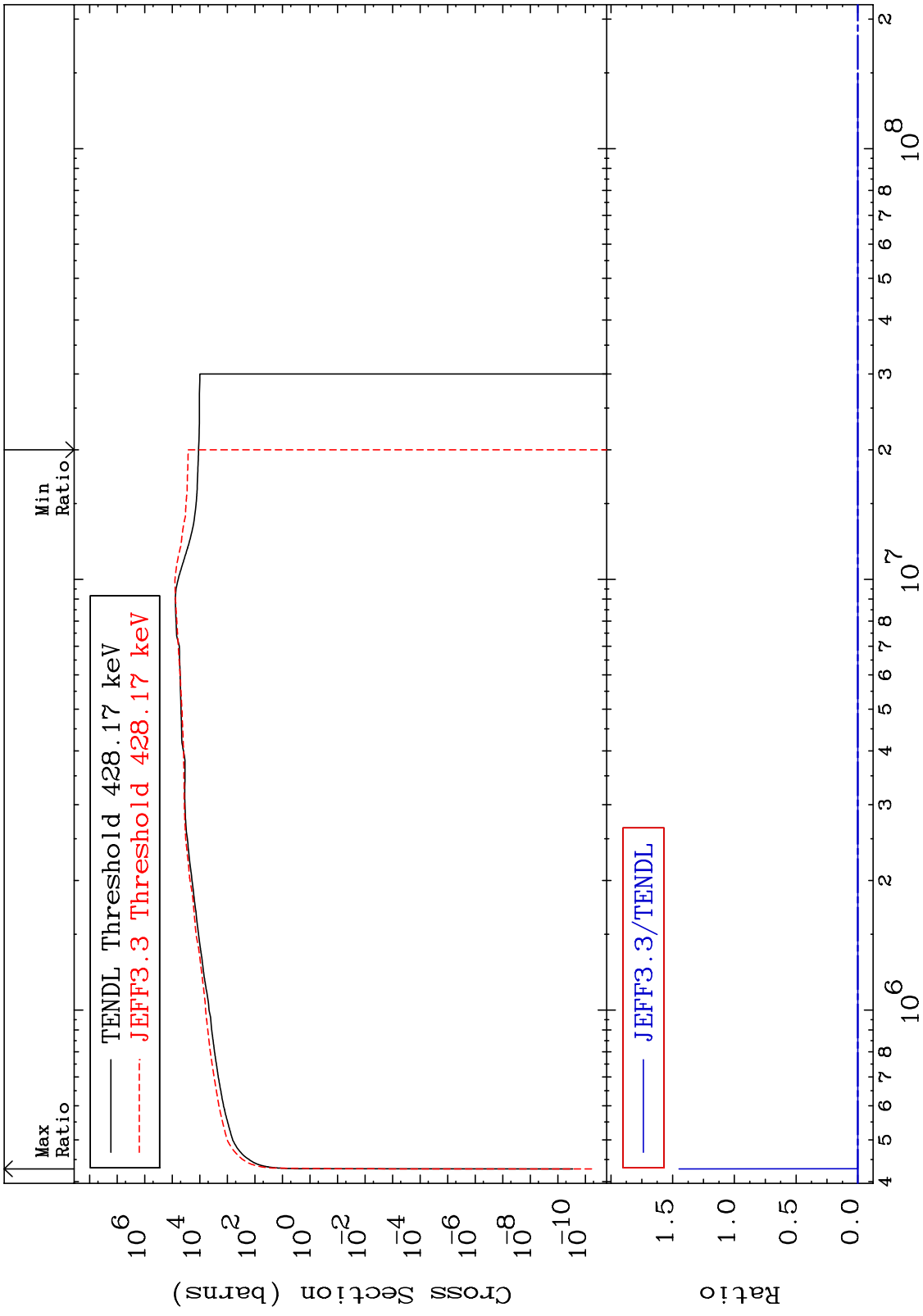


MAT 8025 80-Hg-196  
 Dpa elastic (mt2) -48.13 To 68.56 %  
 Cross Section





MAT 8025 Dpa inelastic (mt51-91) 80-Hg-196  
 Cross Section -100.0 To 9999. %



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

