

Program Complot  
(Version 2018-1)

by

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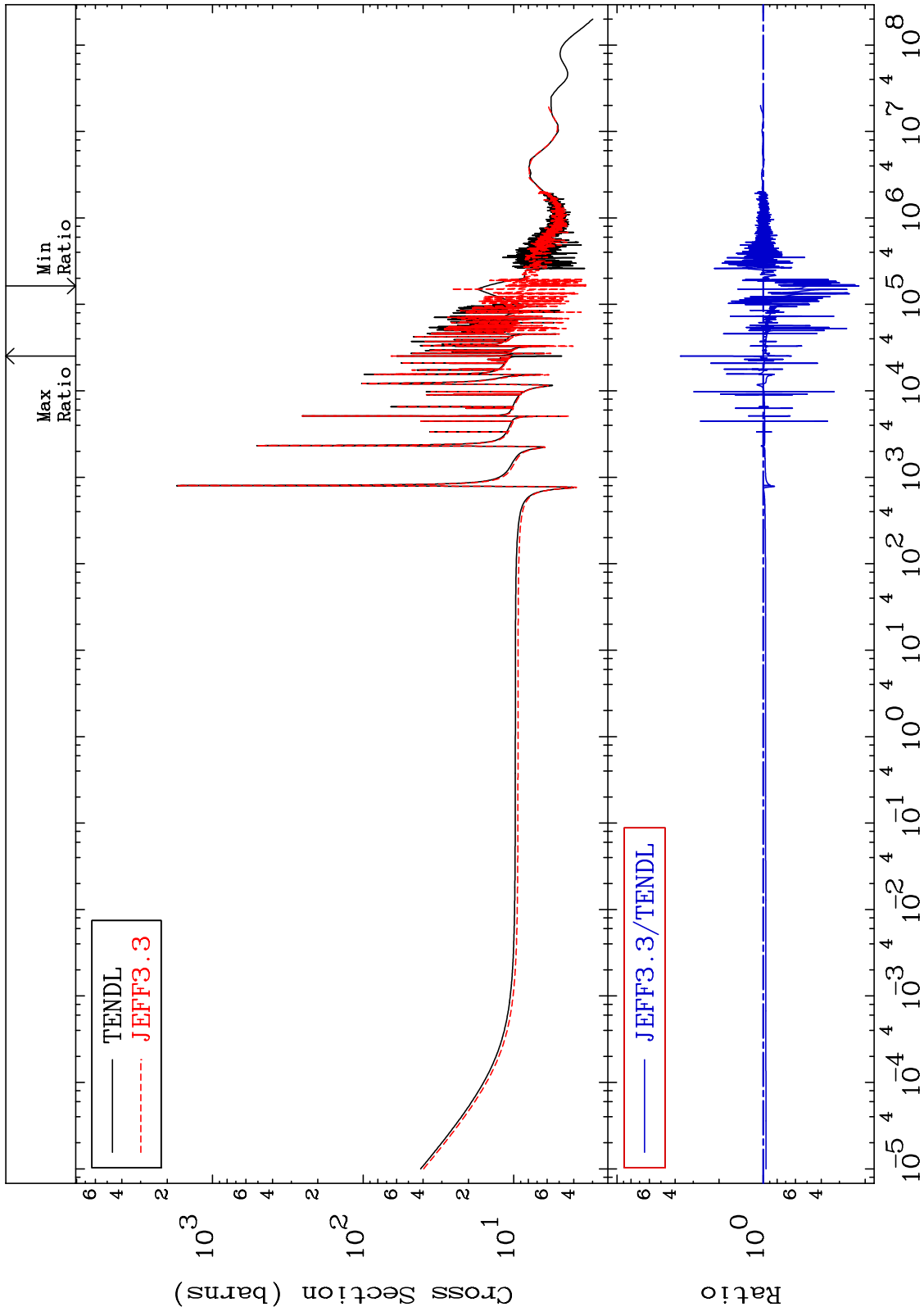
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8325

Total  
Cross Section

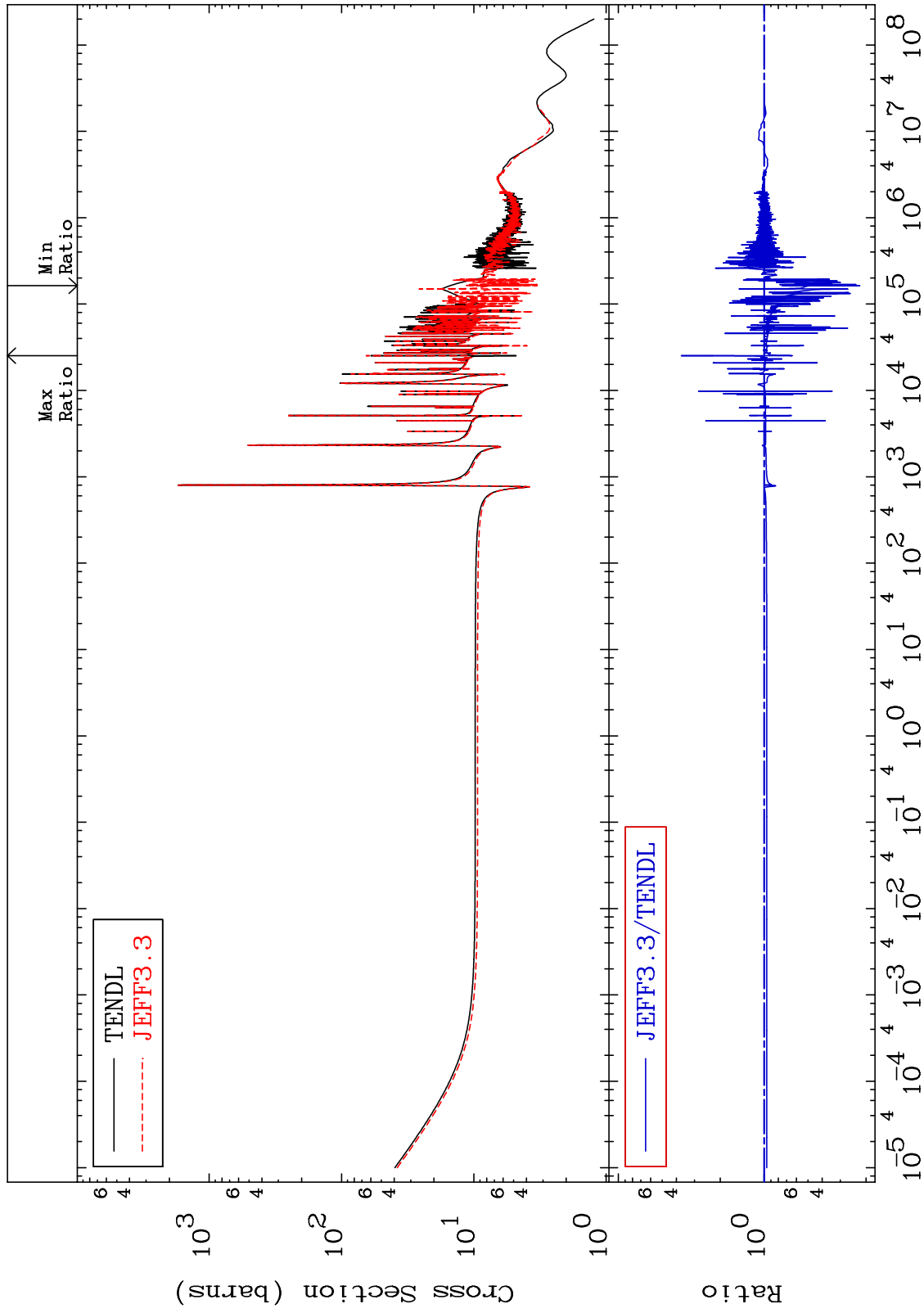
83-Bi-209  
-77.90 To 268.9 %



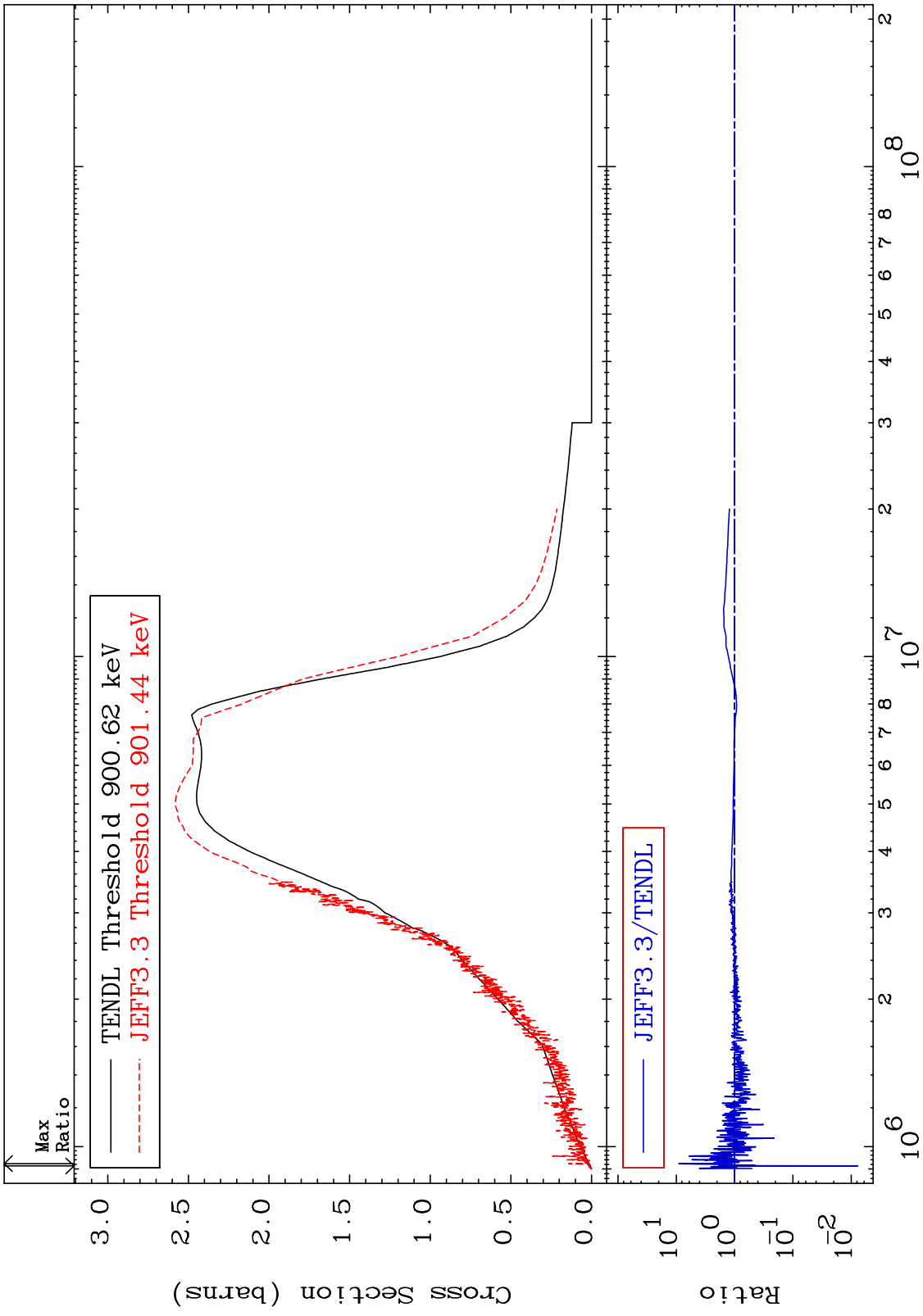
MAT 8325

Elastic  
Cross Section

83-Bi-209  
-77.92 To 270.1 %

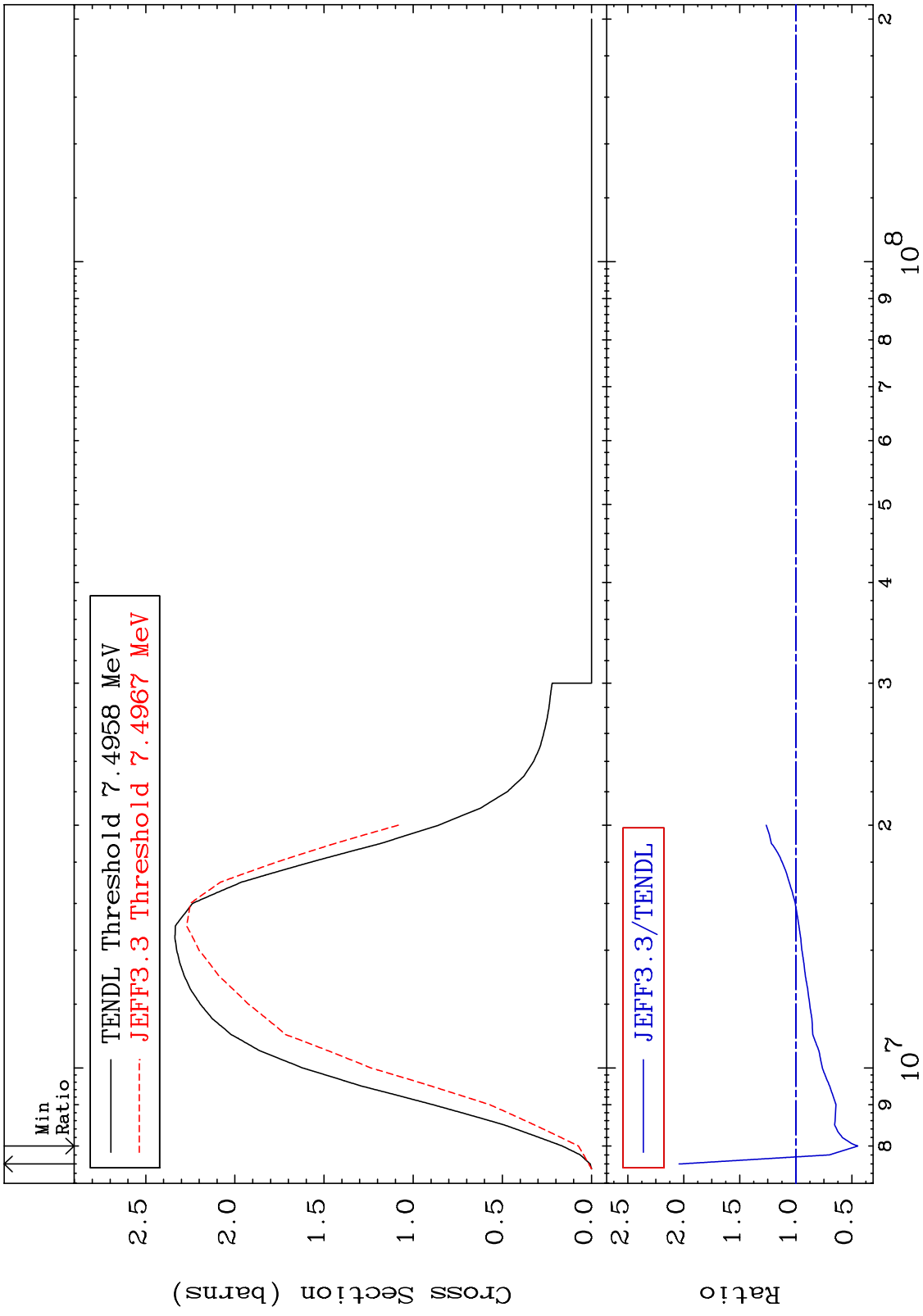


MAT 8325 Inelastic Cross Section 83-Bi-209 -99.23 To 796.1 %

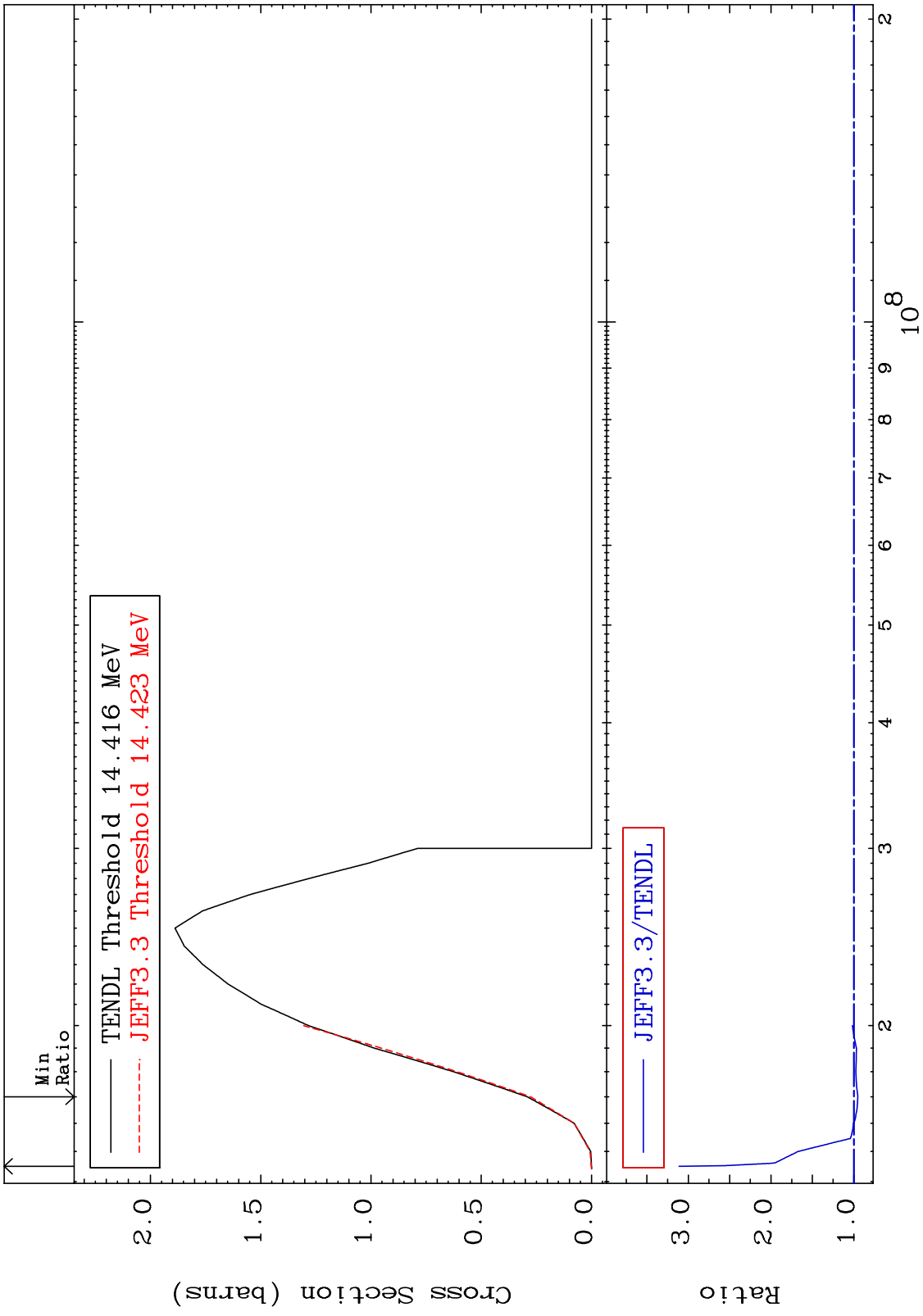


3 Incident Energy (eV) 83-Bi-209

MAT 8325 (n,2n) Cross Section 83-Bi-209 -55.36 To 104.3 %



MAT 8325 (n,3n) Cross Section 83-Bi-209 -4.897 To 211.2 %



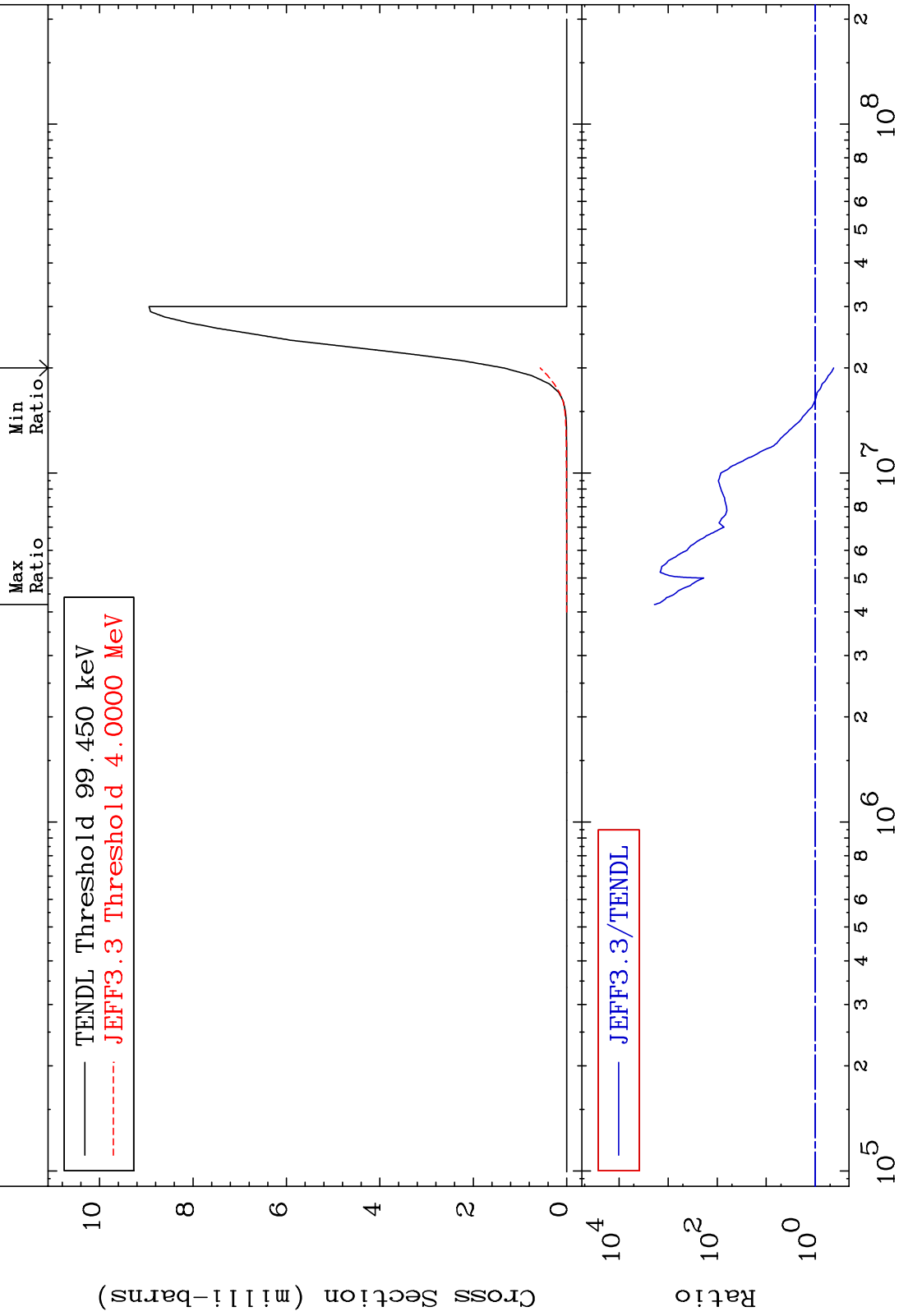
MAT 8325

(n, n')  $\alpha$

83-Bi-209

-57.81 To 9999. %

Cross Section

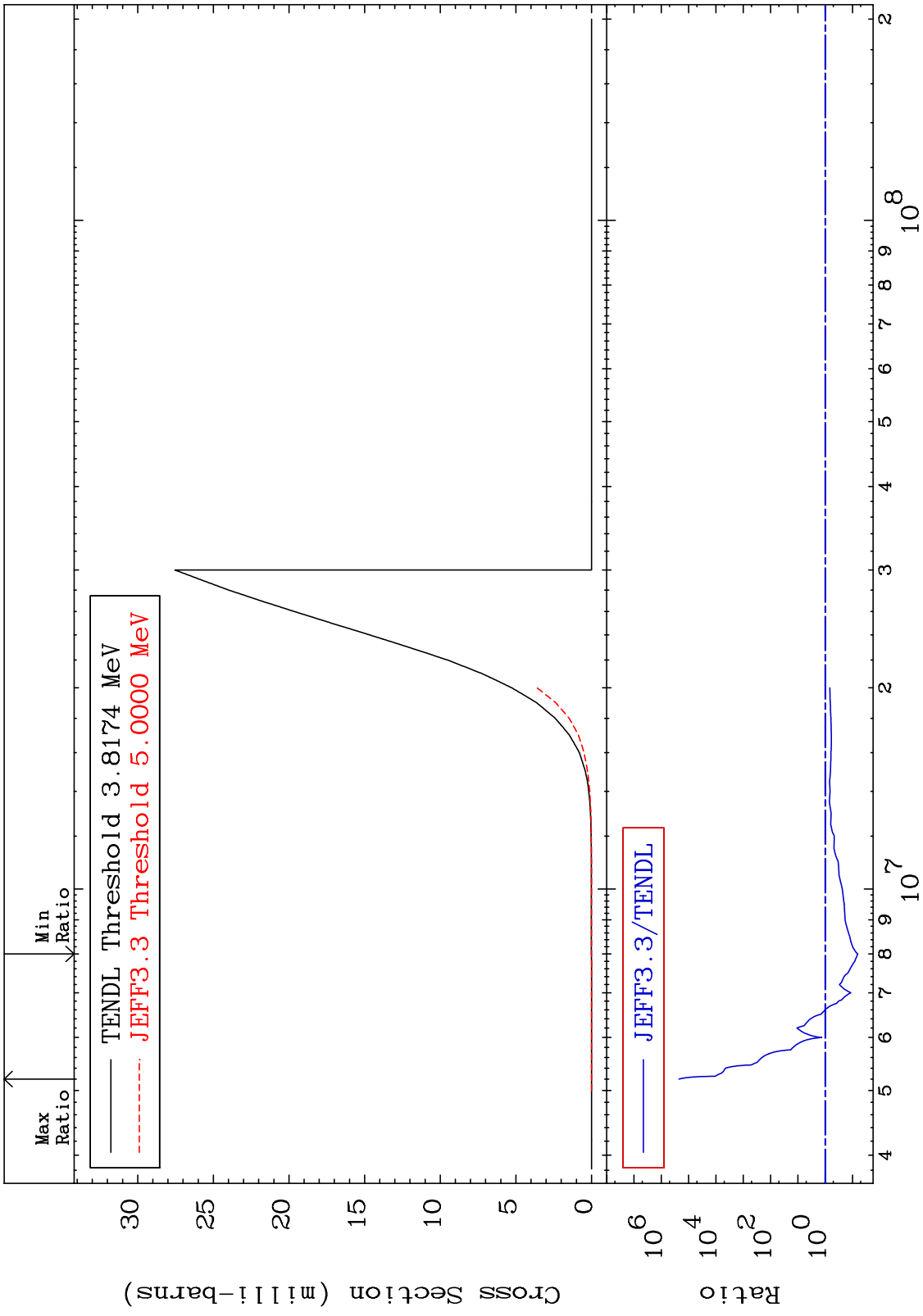


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Incident Energy (eV)

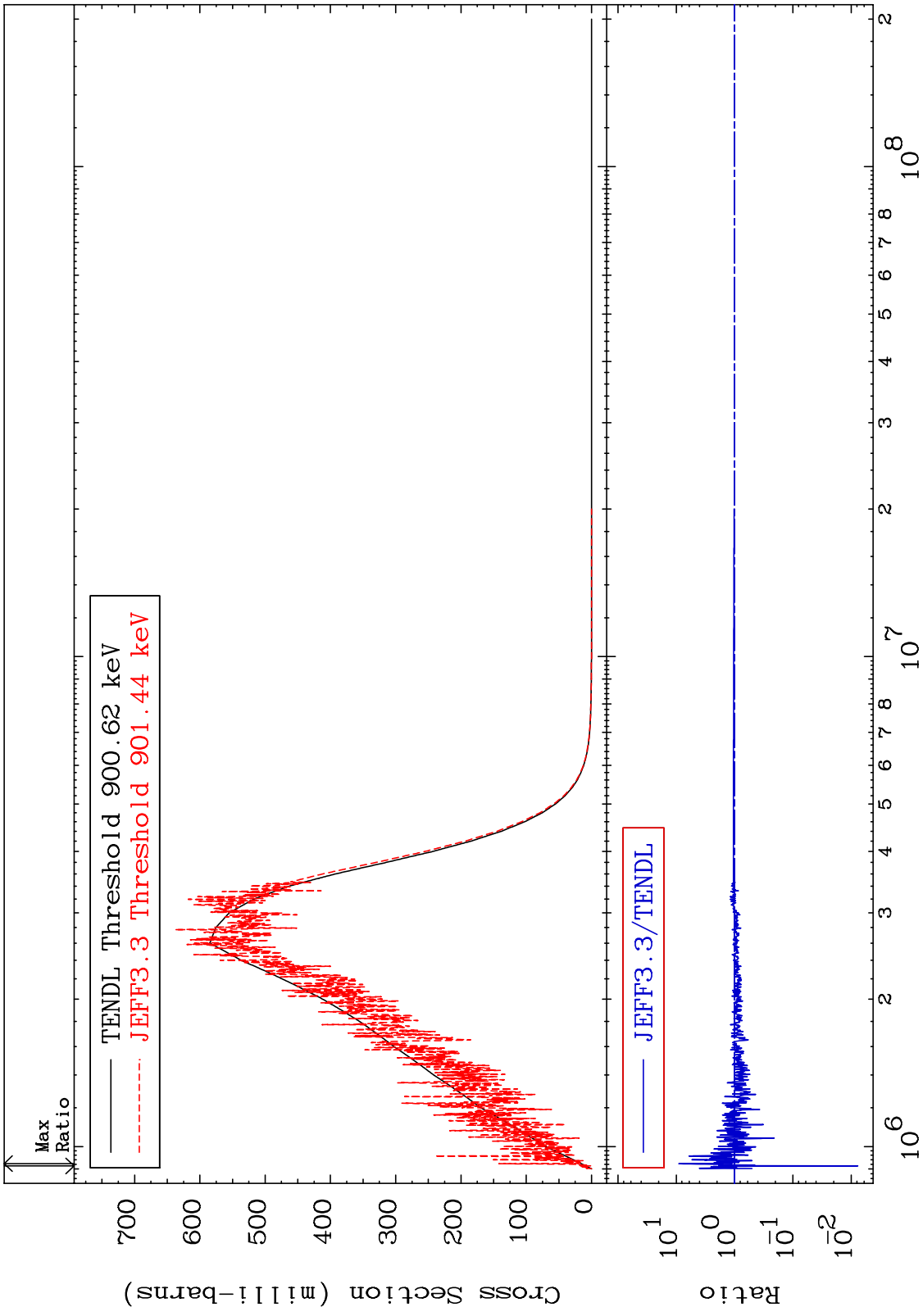
83-Bi-209

MAT 8325  $(n, n')$  p 83-Bi-209  
 Cross Section -93.63 To 9999. %



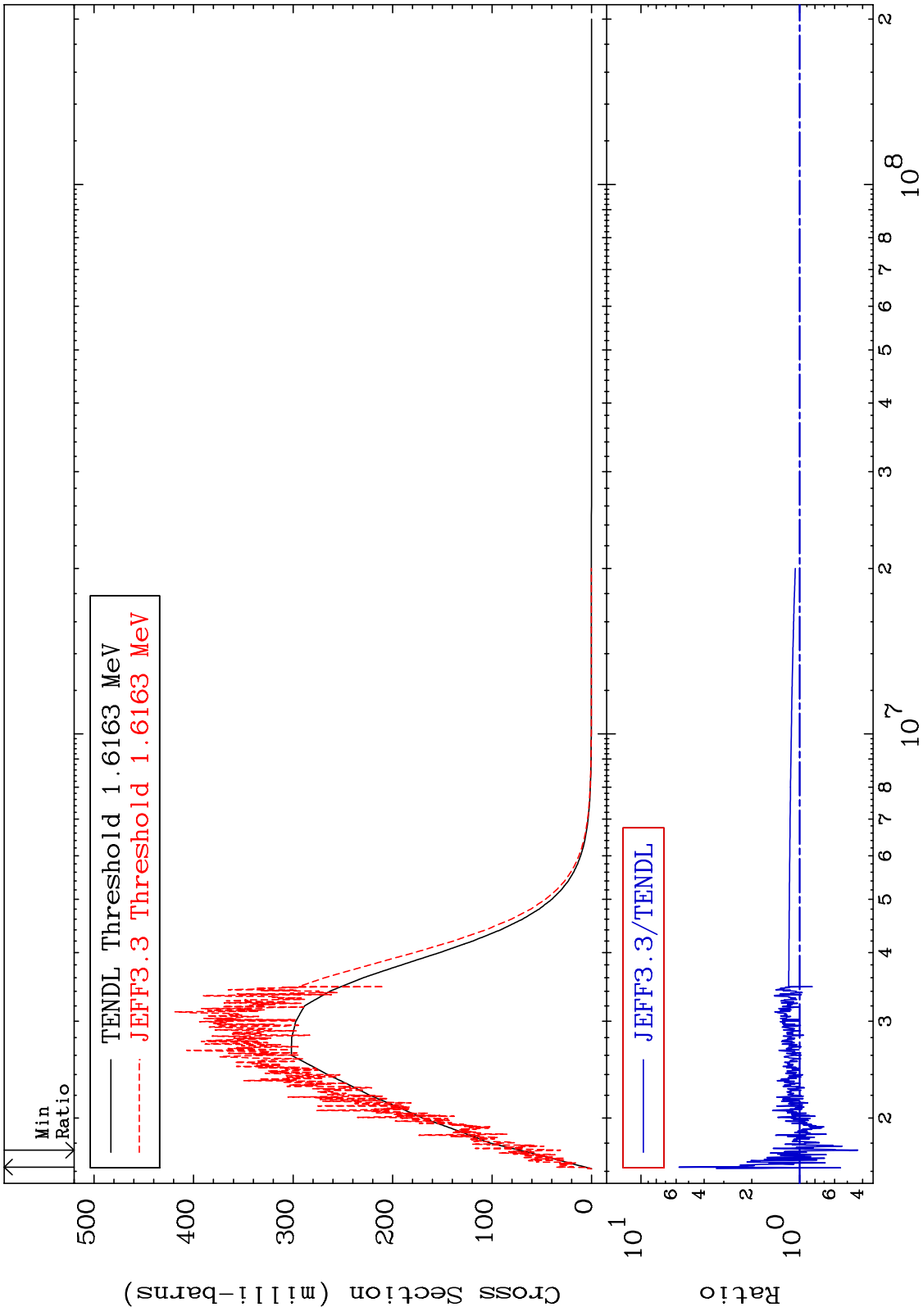


MAT 8325 MT= 51 (n,n') Level Cross Section 83-Bi-209 -99.23 To 796.1 %

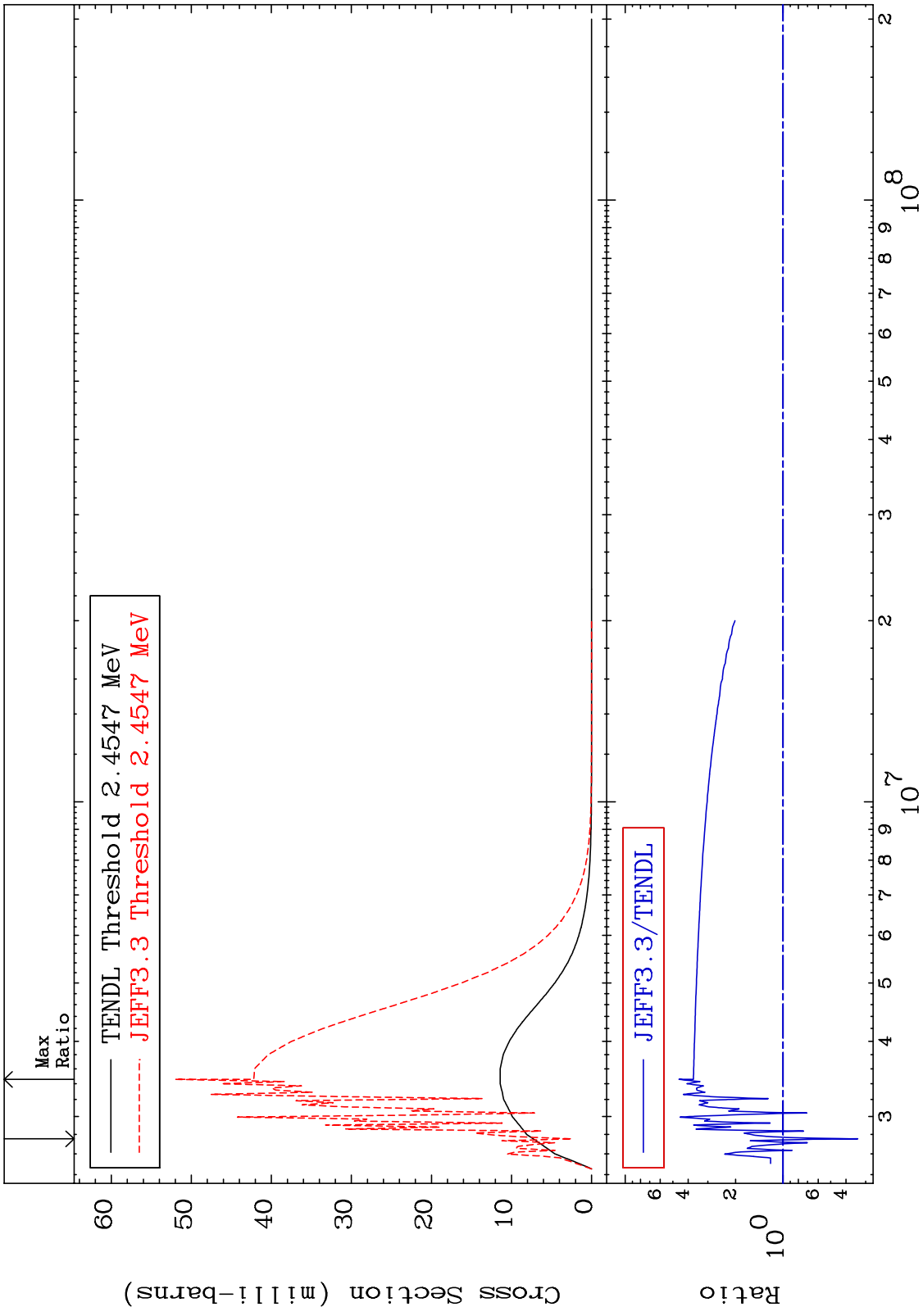


83-Bi-209

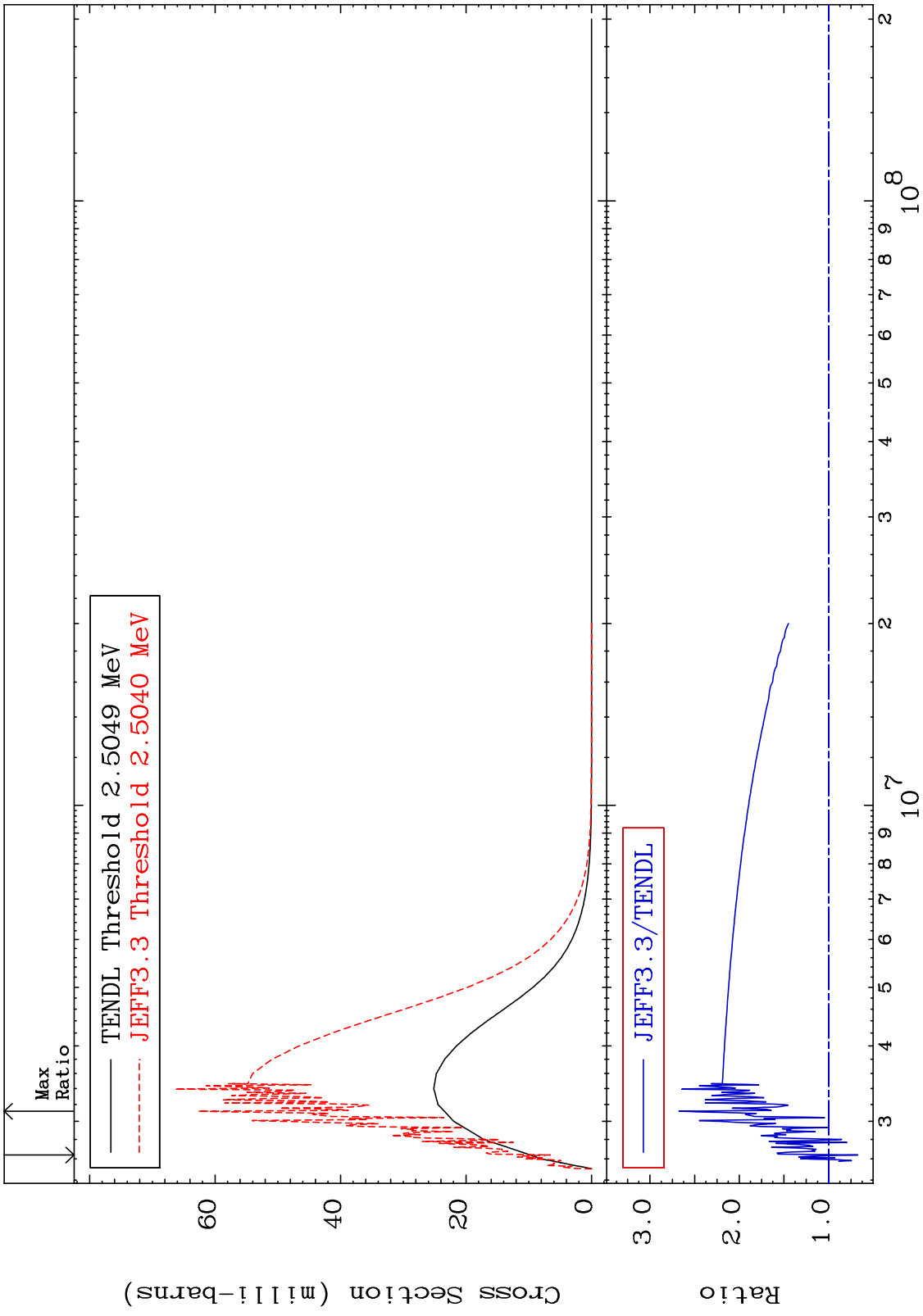
MAT 8325 MT= 52 (n,n') Level Cross Section 83-Bi-209 -57.11 To 475.2 %



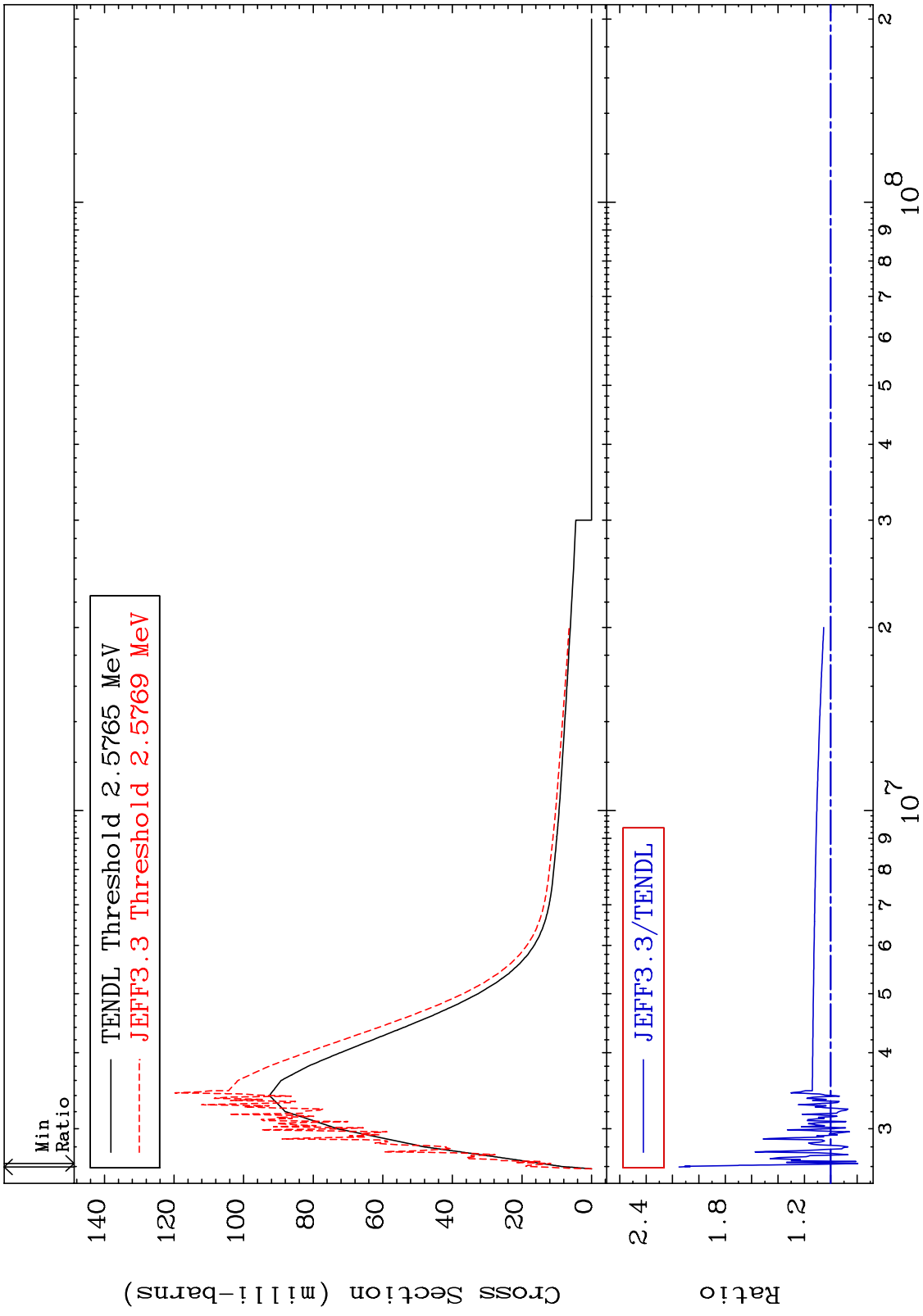
MAT 8325 MT= 53 (n,n') Level Cross Section 83-Bi-209 -66.38 To 356.3 %



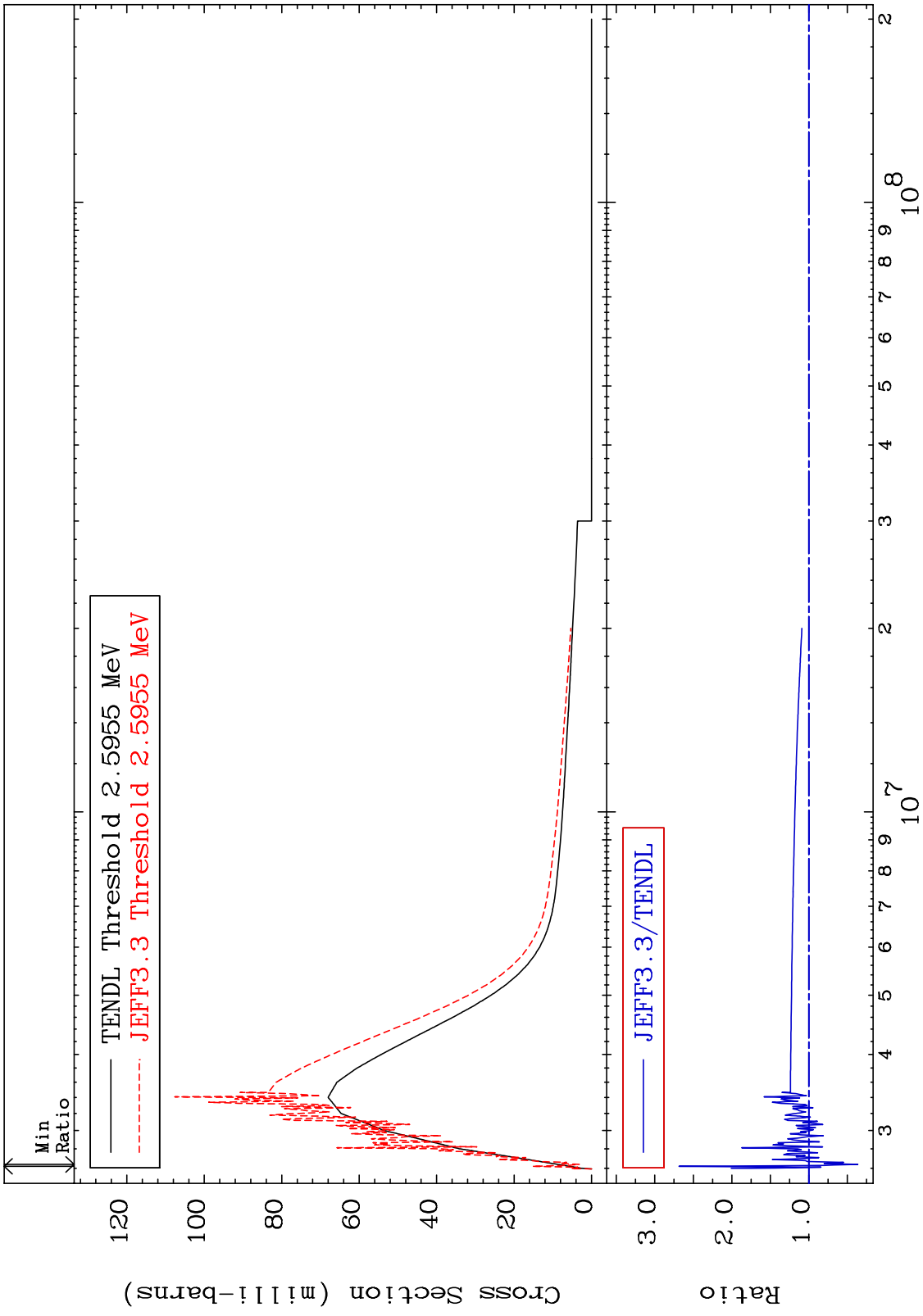
MAT 8325 MT= 54 (n,n') Level Cross Section 83-Bi-209 -32.70 To 167.5 %



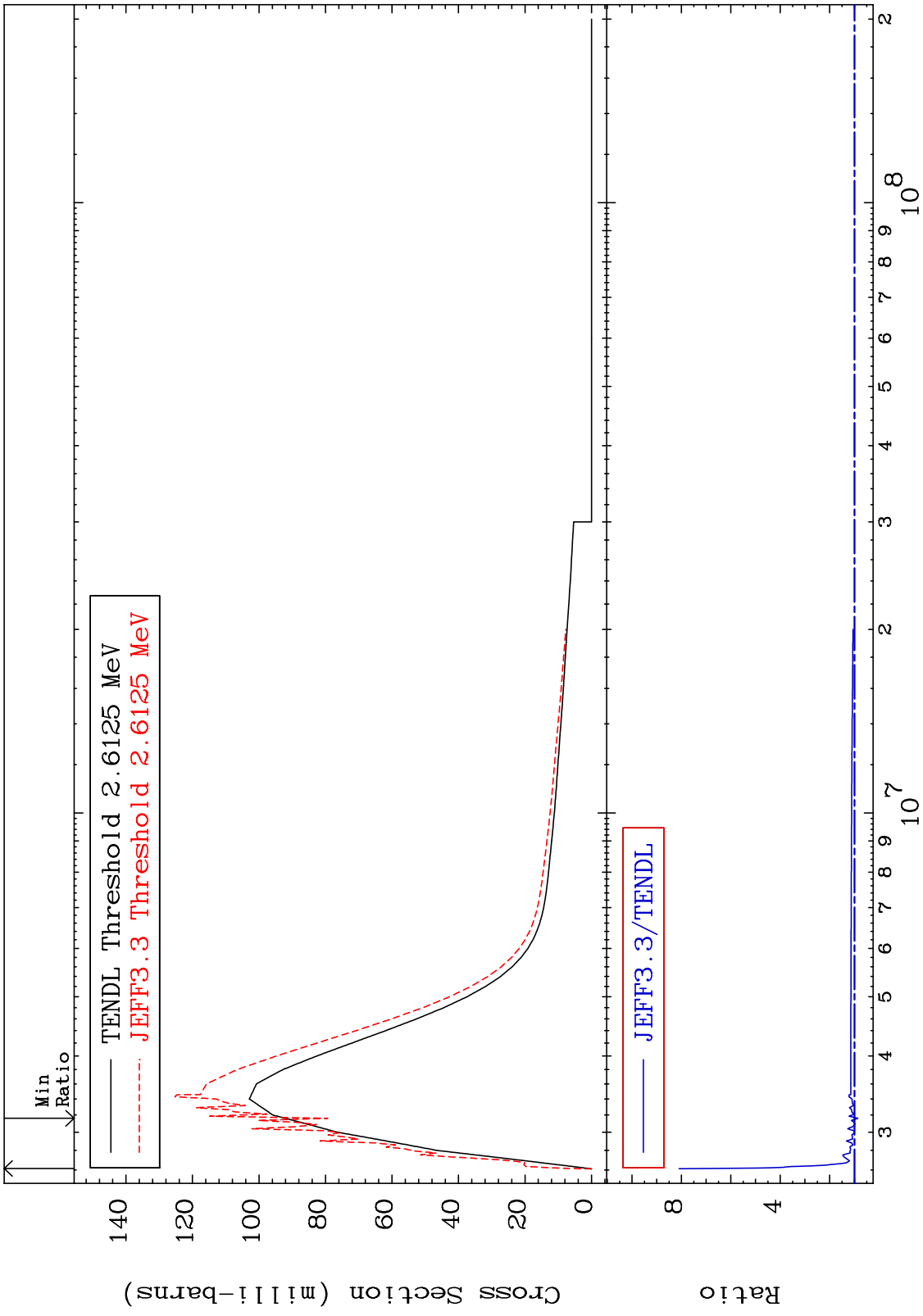
MAT 8325 MT= 55 (n,n') Level Cross Section 83-Bi-209 -20.54 To 115.0 %



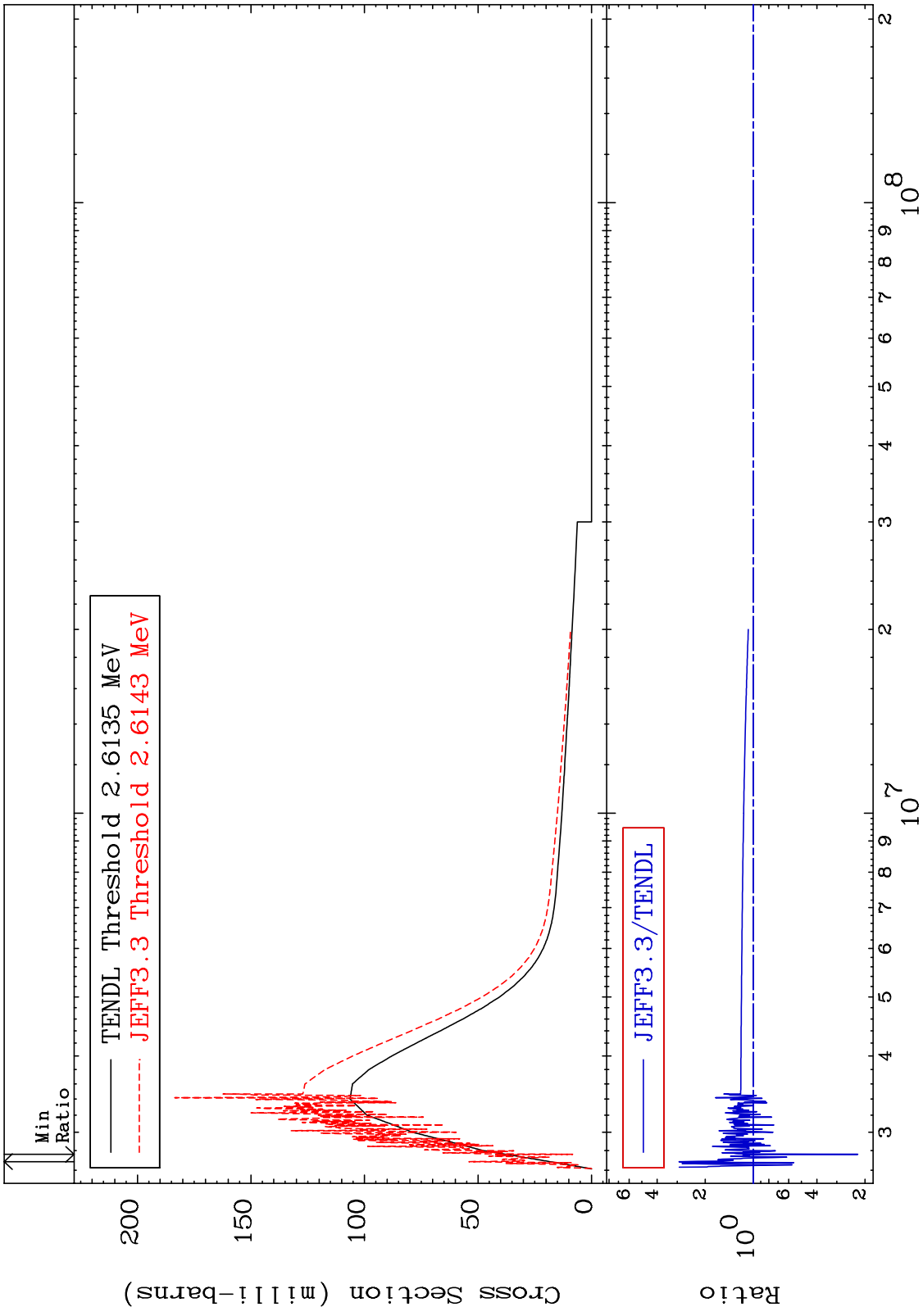
MAT 8325 MT= 56 (n,n') Level Cross Section 83-Bi-209 -63.61 To 168.5 %



MAT 8325 MT= 57 (n,n') Level Cross Section 83-Bi-209 -13.89 To 709.8 %

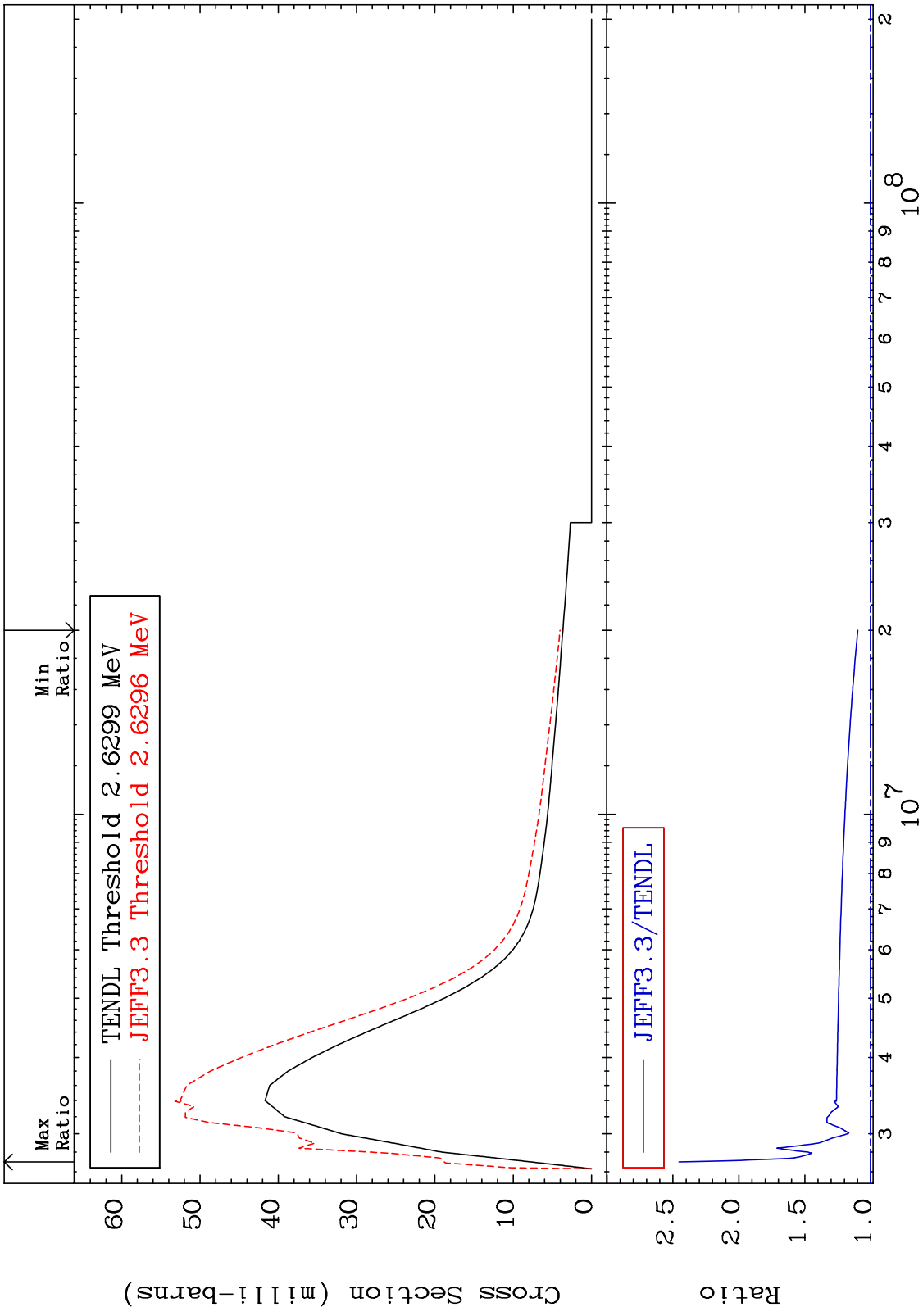


MAT 8325 MT= 58 (n,n') Level Cross Section 83-Bi-209 -77.83 To 191.9 %

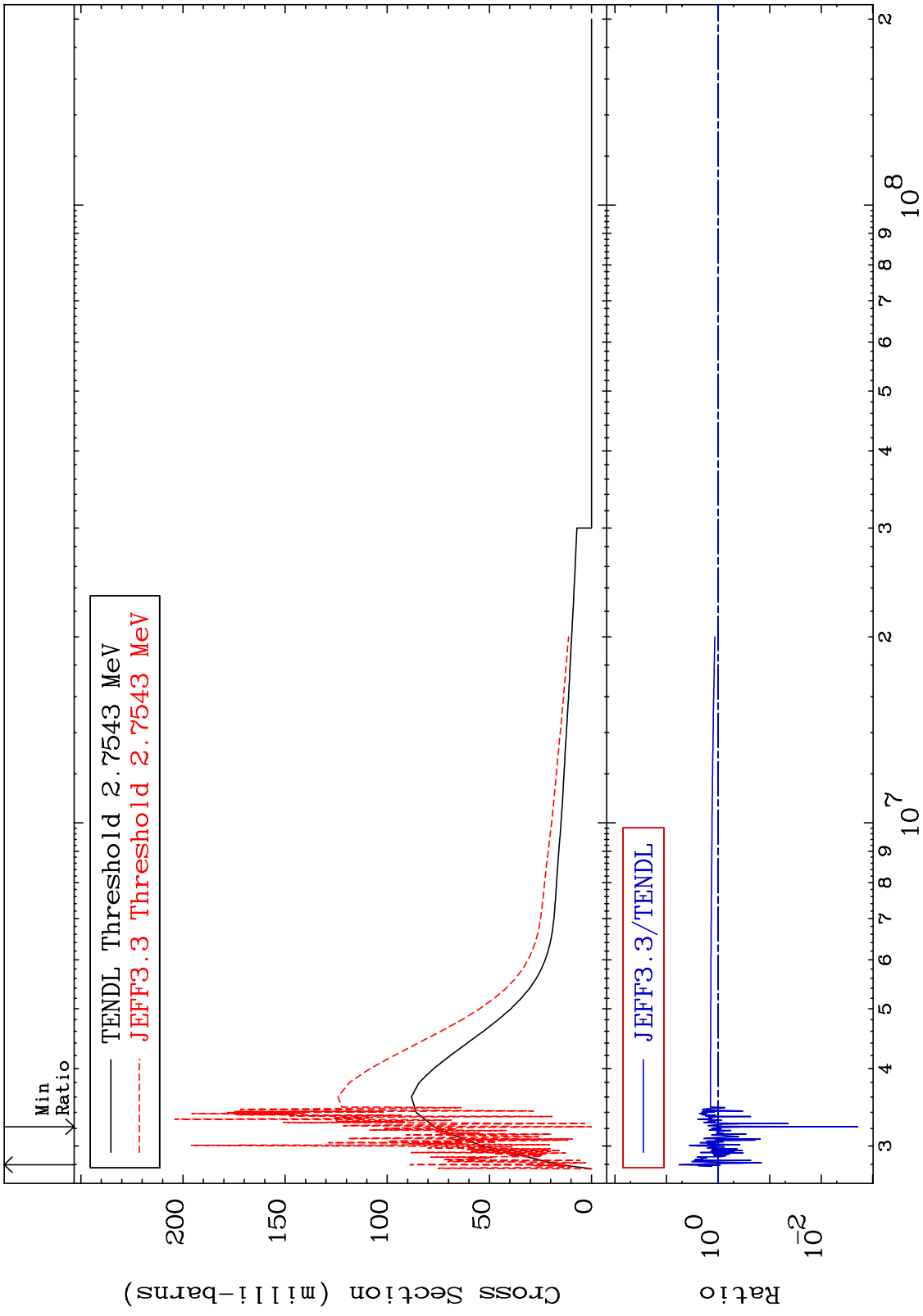




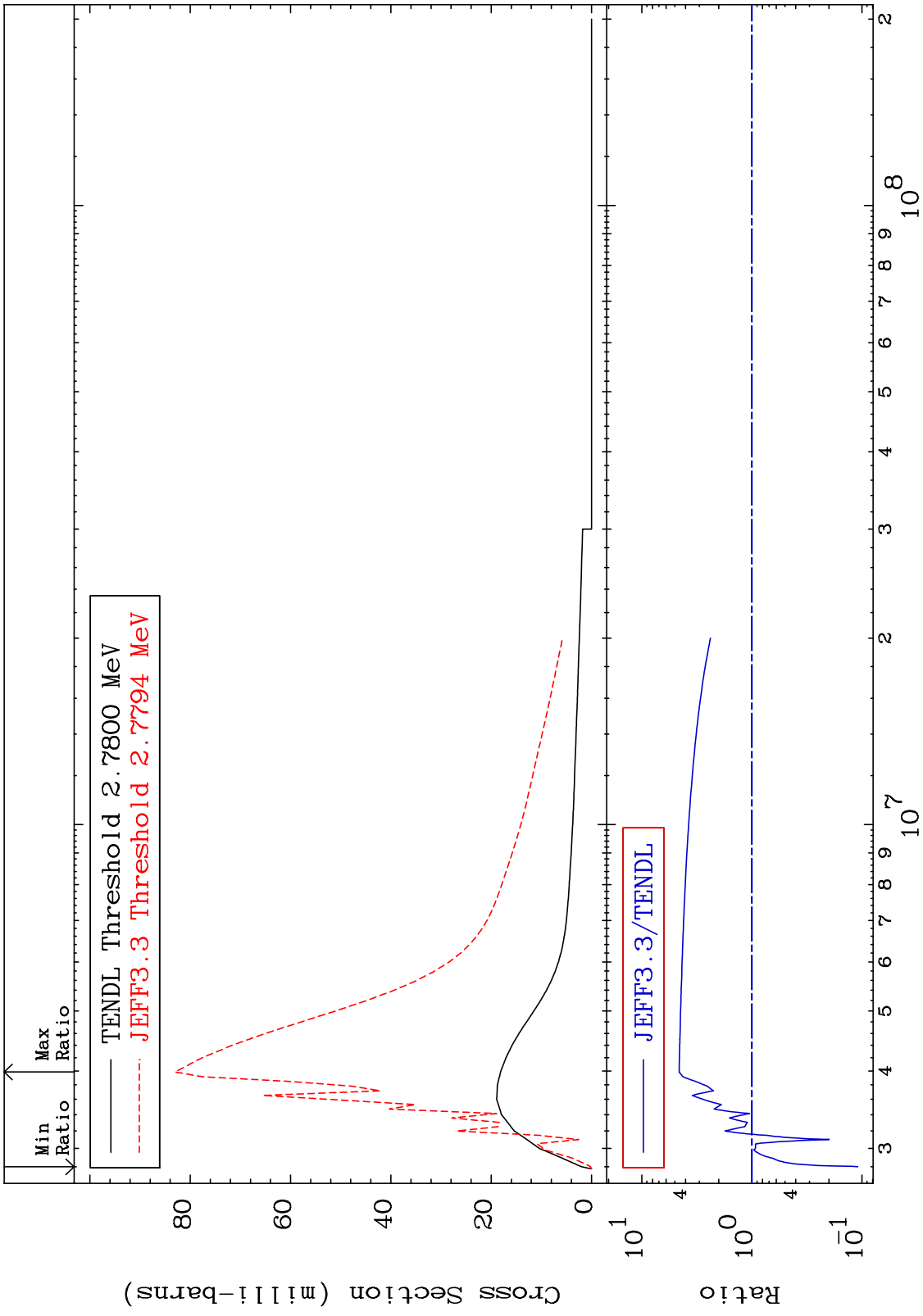
MAT 8325 MT= 59 (n,n') Level Cross Section 83-Bi-209 9.772 To 145.4 %



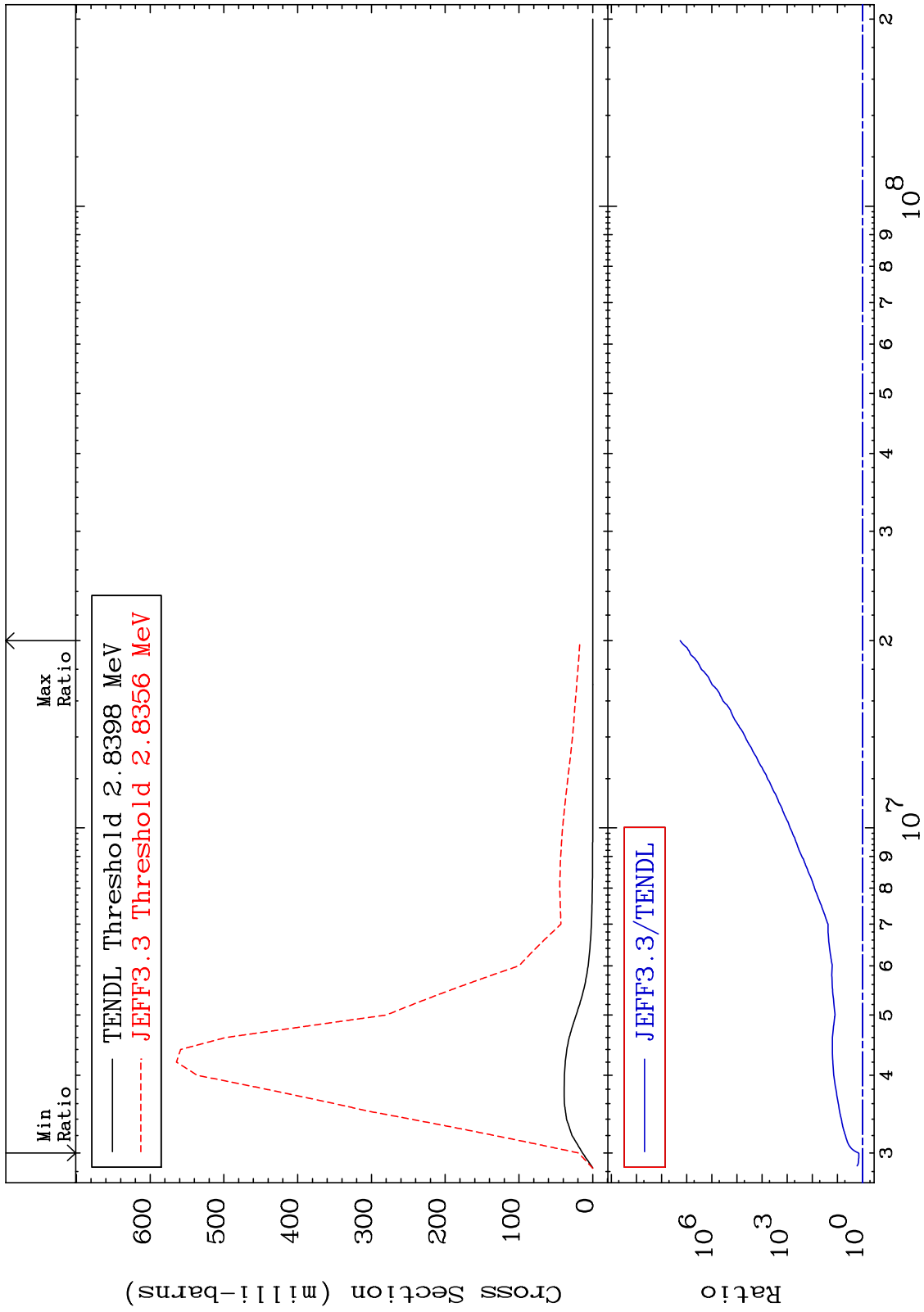
MAT 8325 MT= 60 (n,n') Level Cross Section 83-Bi-209 -99.81 To 470.9 %



MAT 8325 MT= 61 (n,n') Level Cross Section 83-Bi-209 -89.09 To 358.5 %



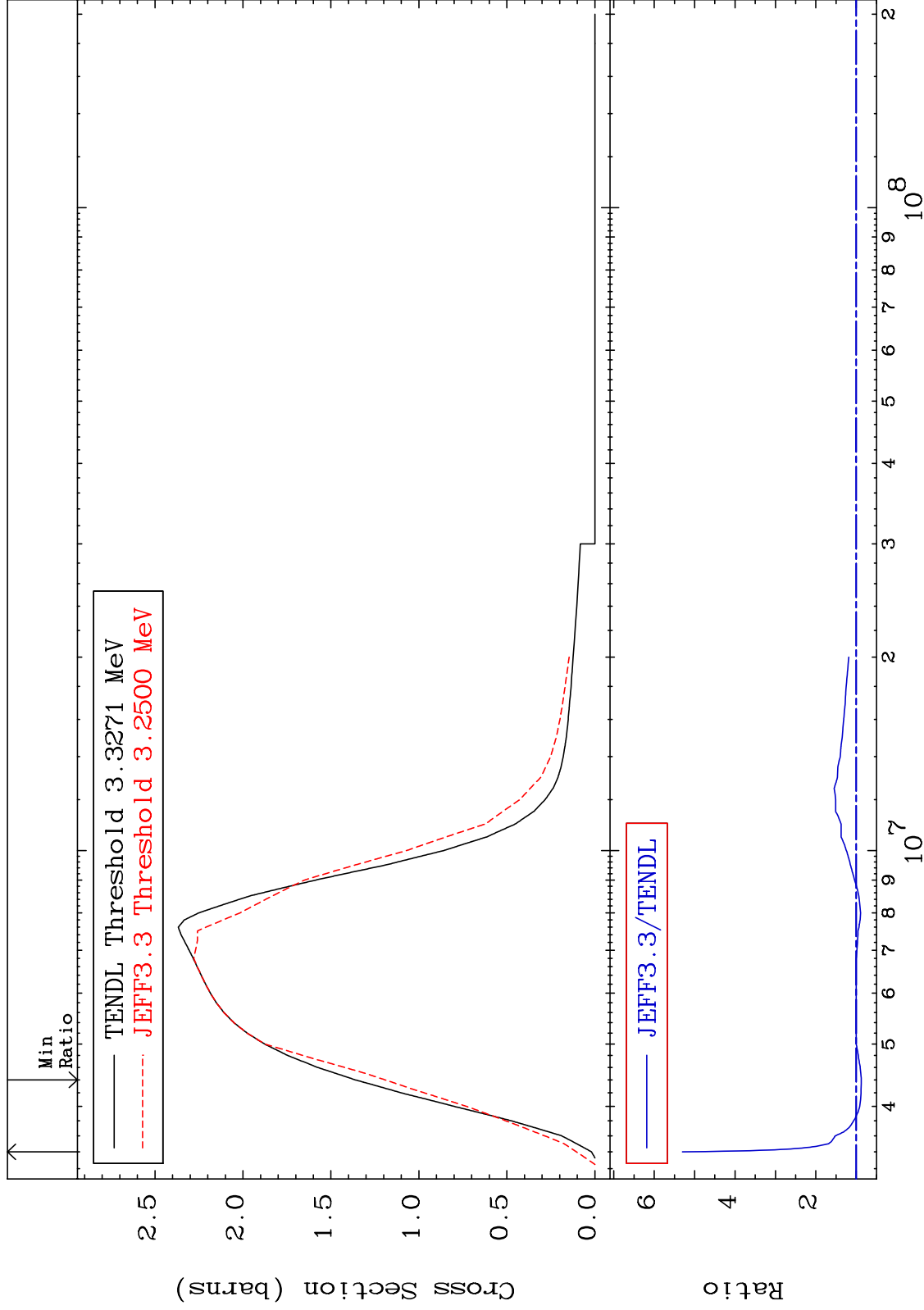
MAT 8325 MT= 62 (n,n') Level Cross Section 83-Bi-209 38.79 To 9999. %



MAT 8325

(n, n') Continuum  
Cross Section

83-Bi-209  
-12.44 To 430.1 %



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Incident Energy (eV)

83-Bi-209

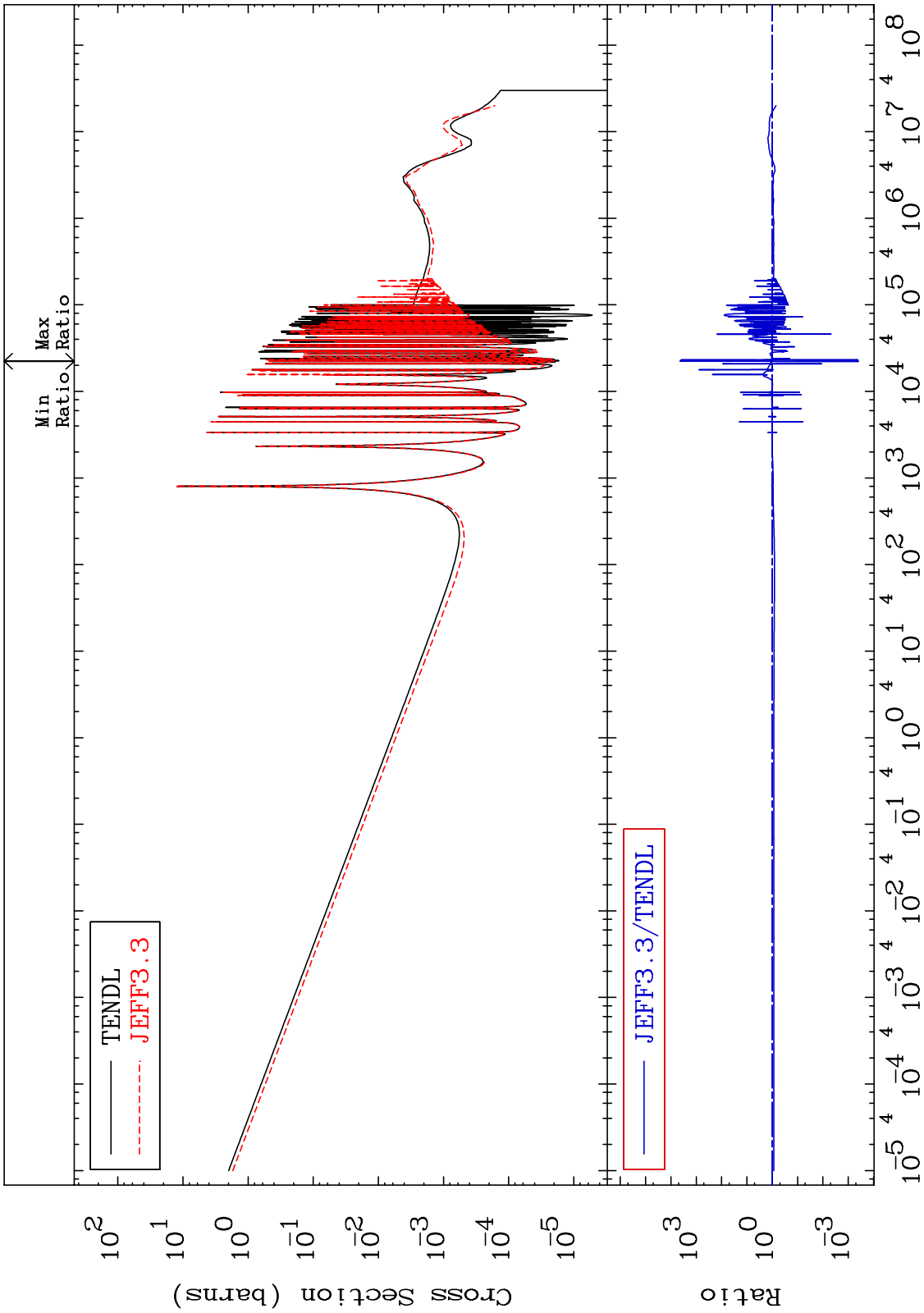
MAT 8325

(n,  $\gamma$ )

83-Bi-209

Cross Section

-99.96 To 9999. %



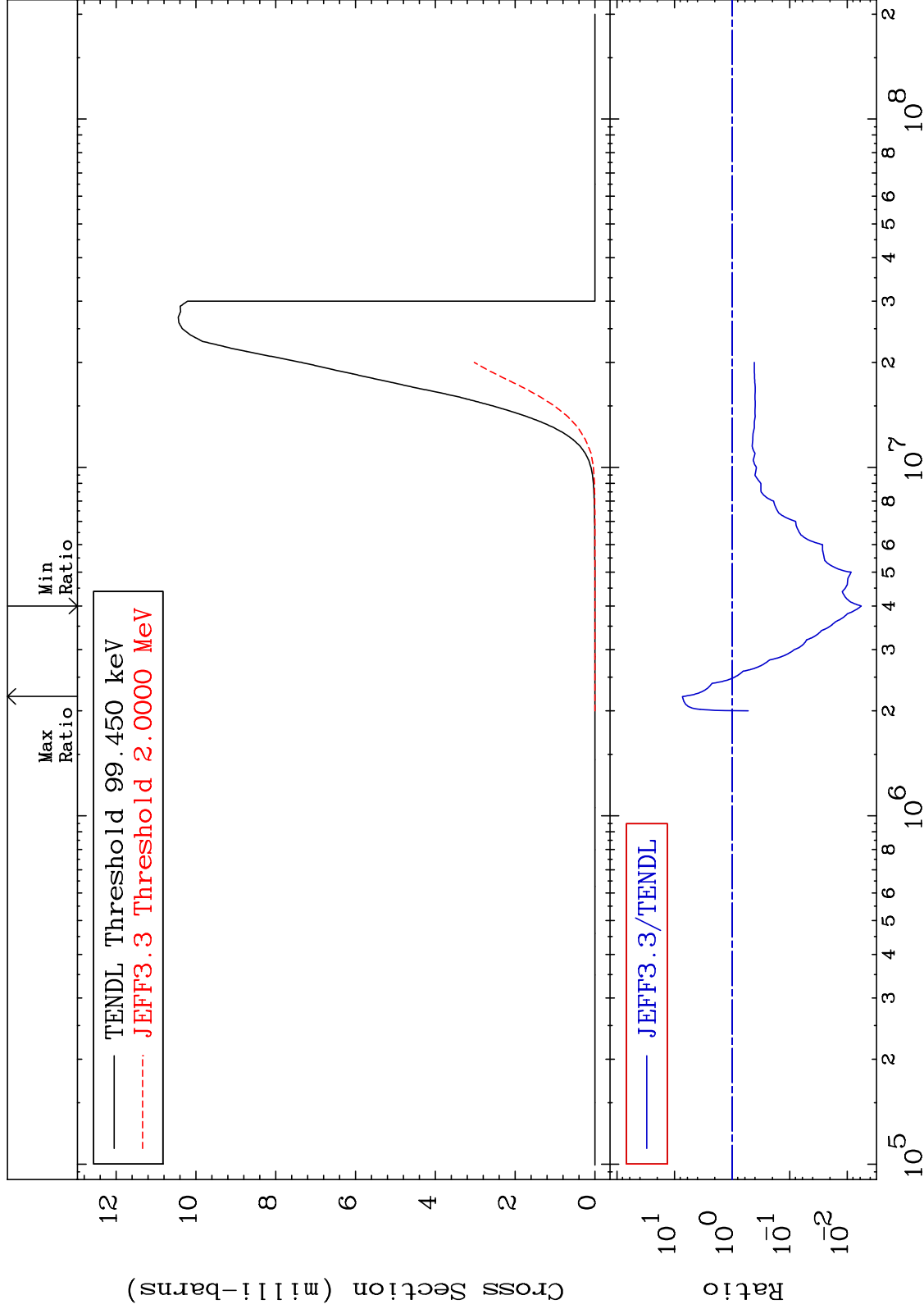
MAT 8325

(n,p)

83-Bi-209

Cross Section

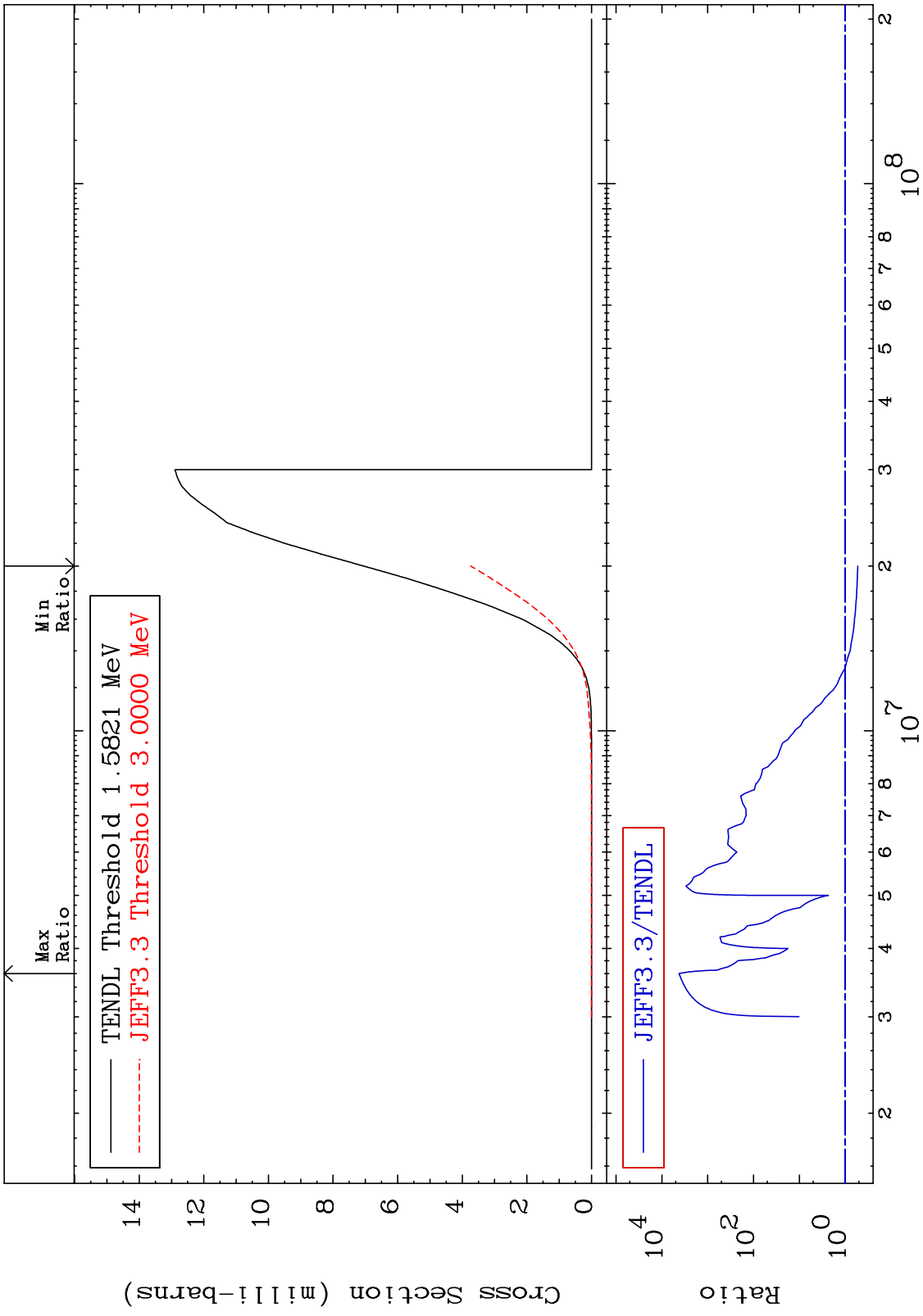
-99.43 To 629.6 %



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Incident Energy (eV)

83-Bi-209





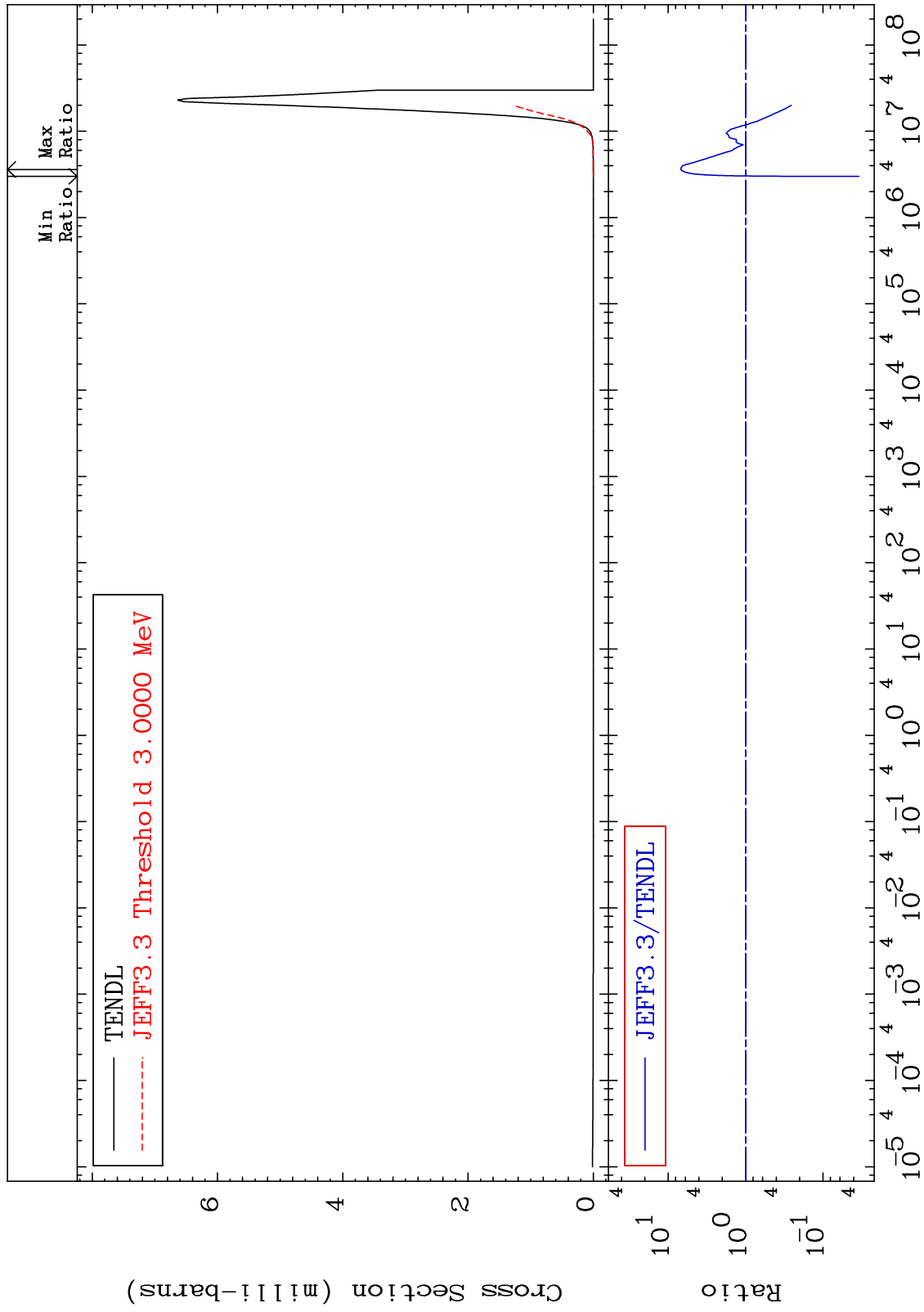
MAT 8325

(n,  $\alpha$ )

83-Bi-209

Cross Section

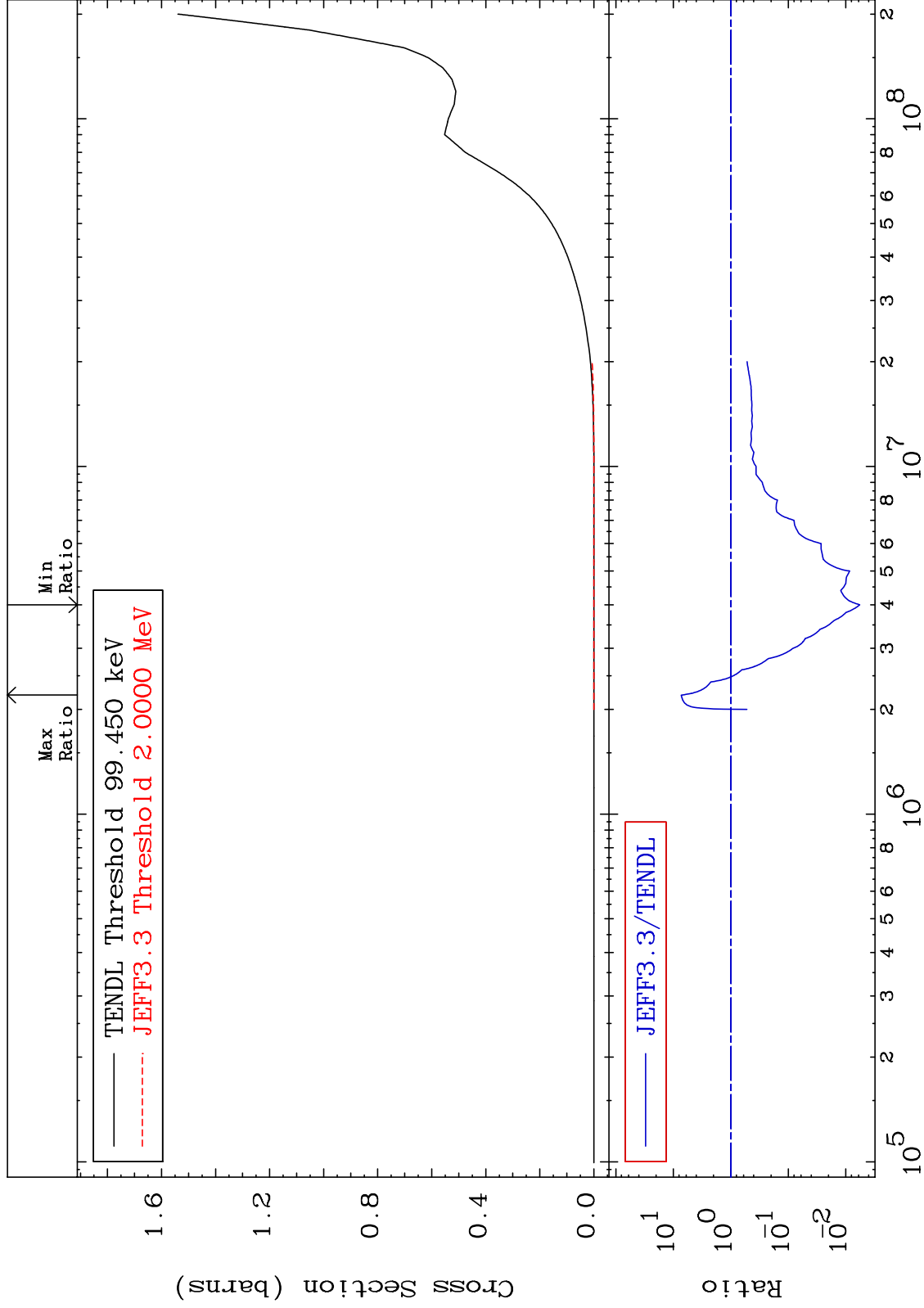
-96.59 To 588.9 %



MAT 8325

Hydrogen Production  
Cross Section

83-Bi-209  
-99.43 To 629.6 %



25

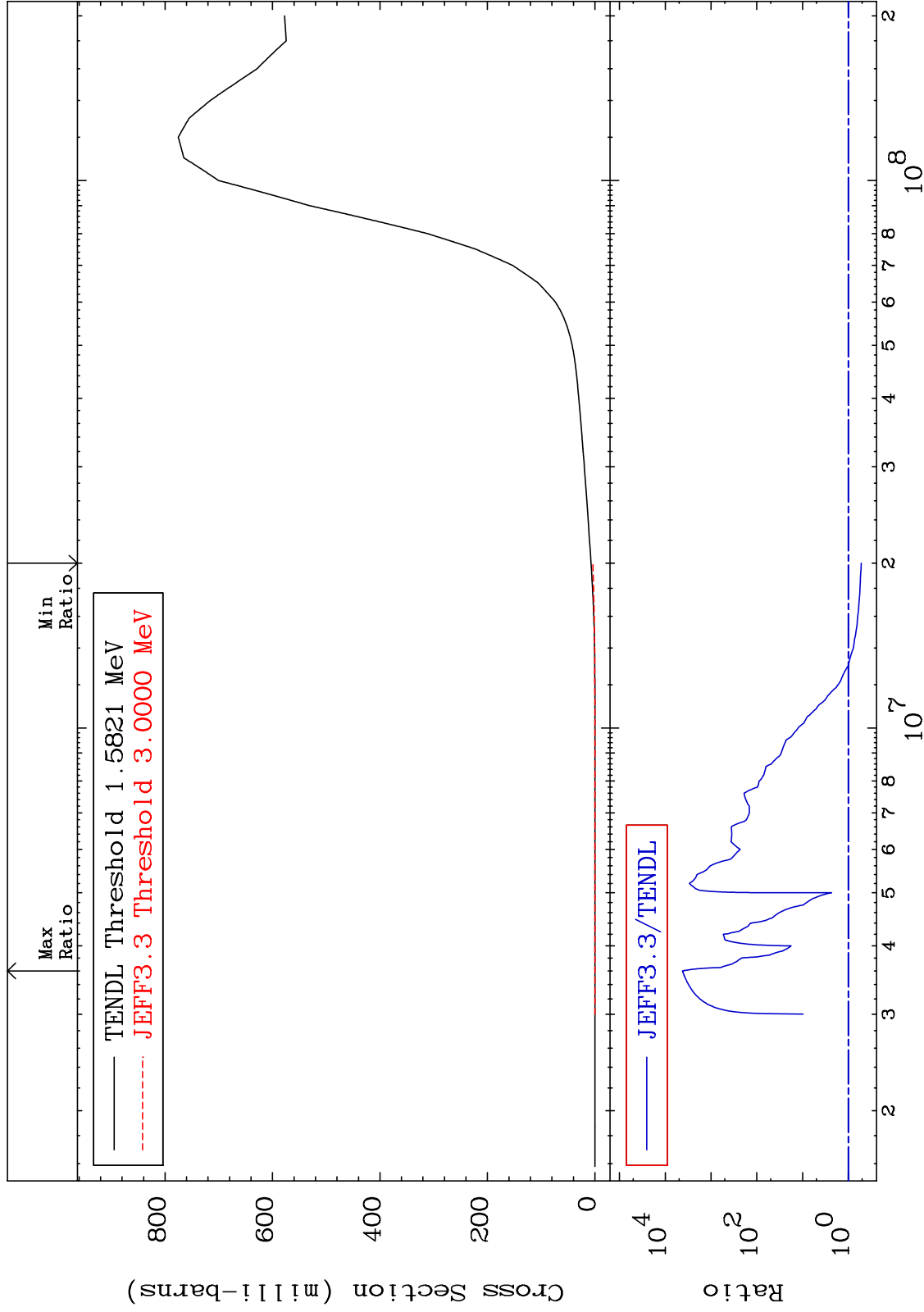
Incident Energy (eV)

83-Bi-209

MAT 8325

Deuterium Production  
Cross Section

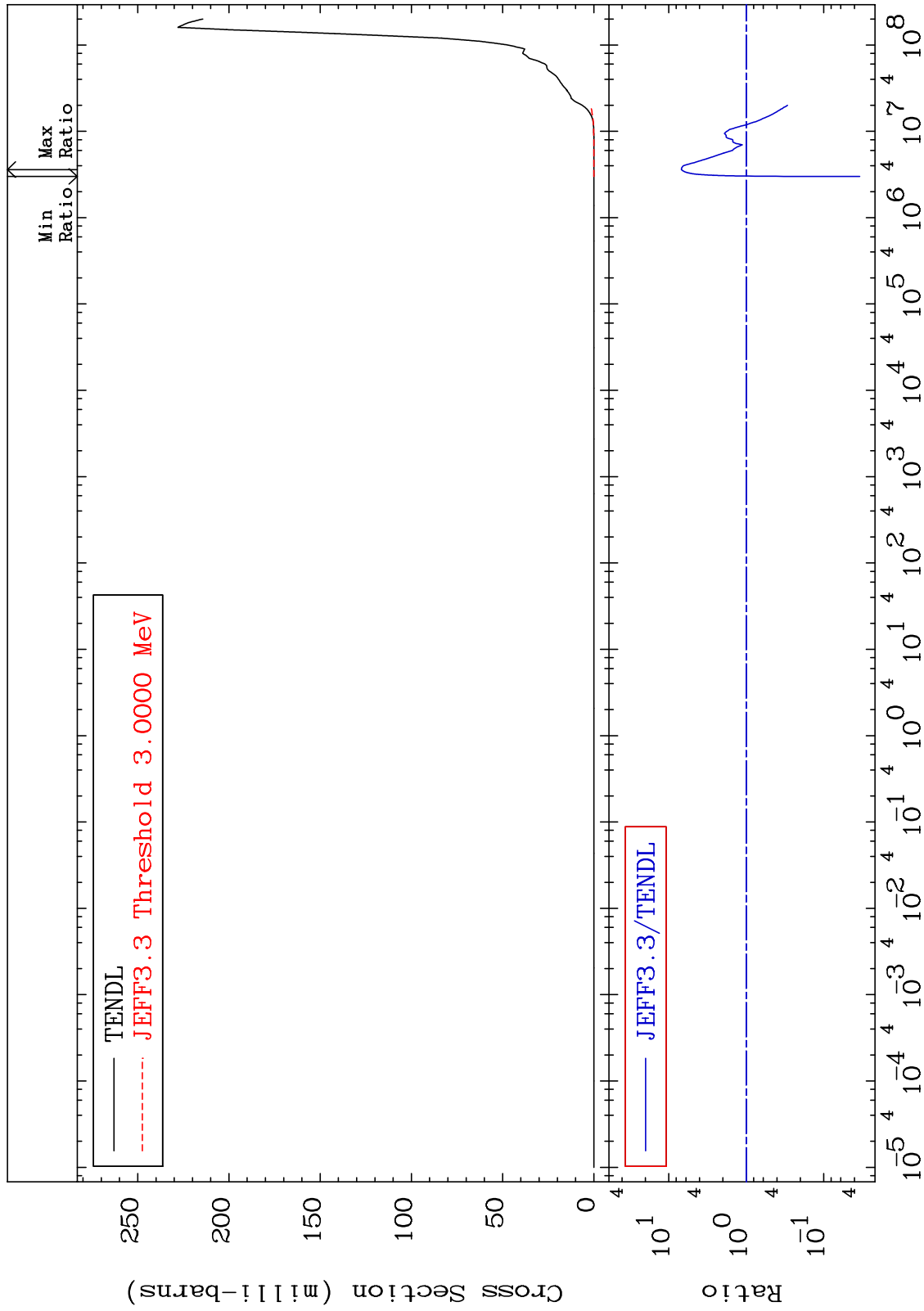
83-Bi-209  
-47.66 To 9999. %



MAT 8325

He-4 Production  
Cross Section

83-Bi-209  
-96.59 To 588.9 %

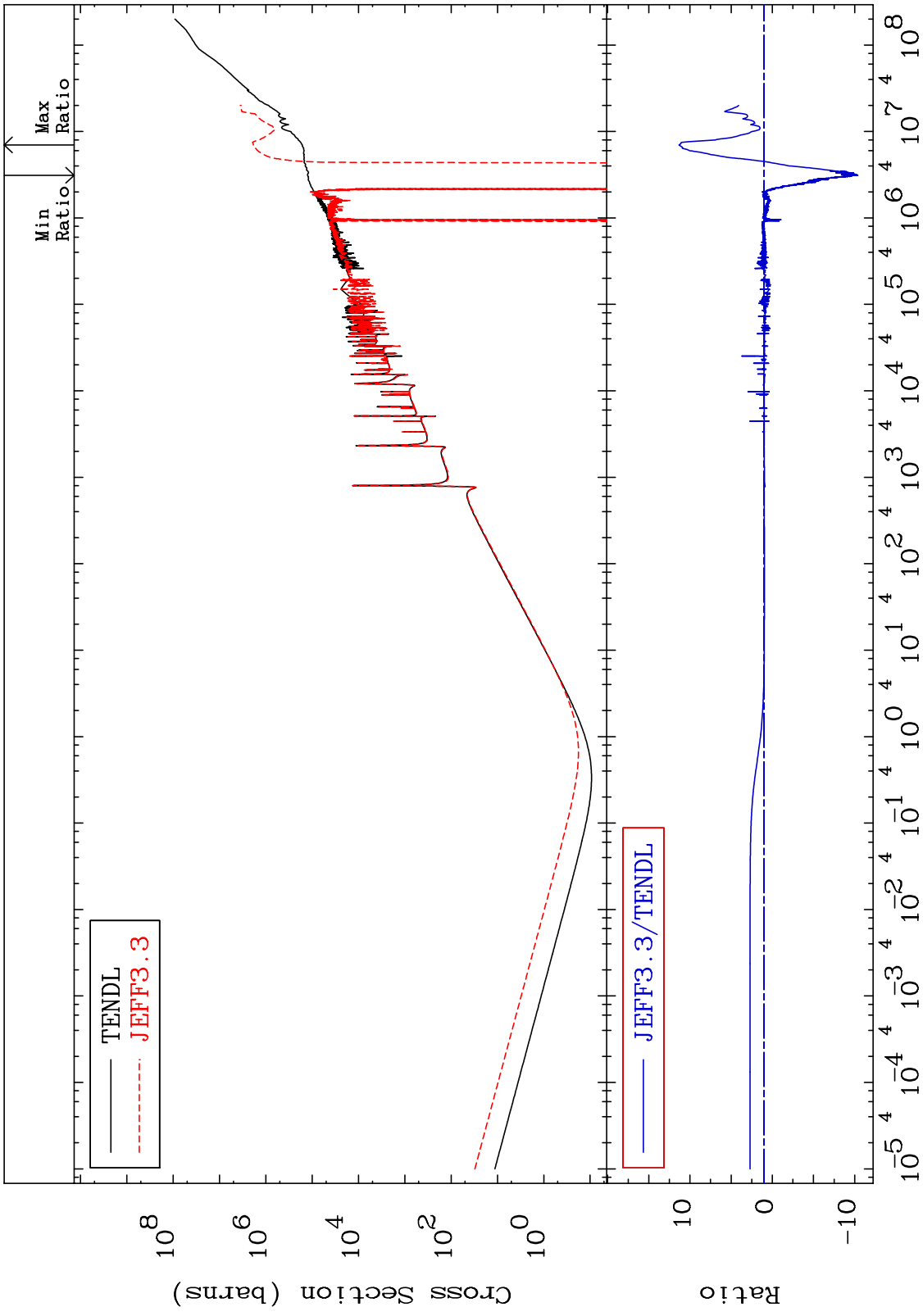


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Incident Energy (eV)

83-Bi-209

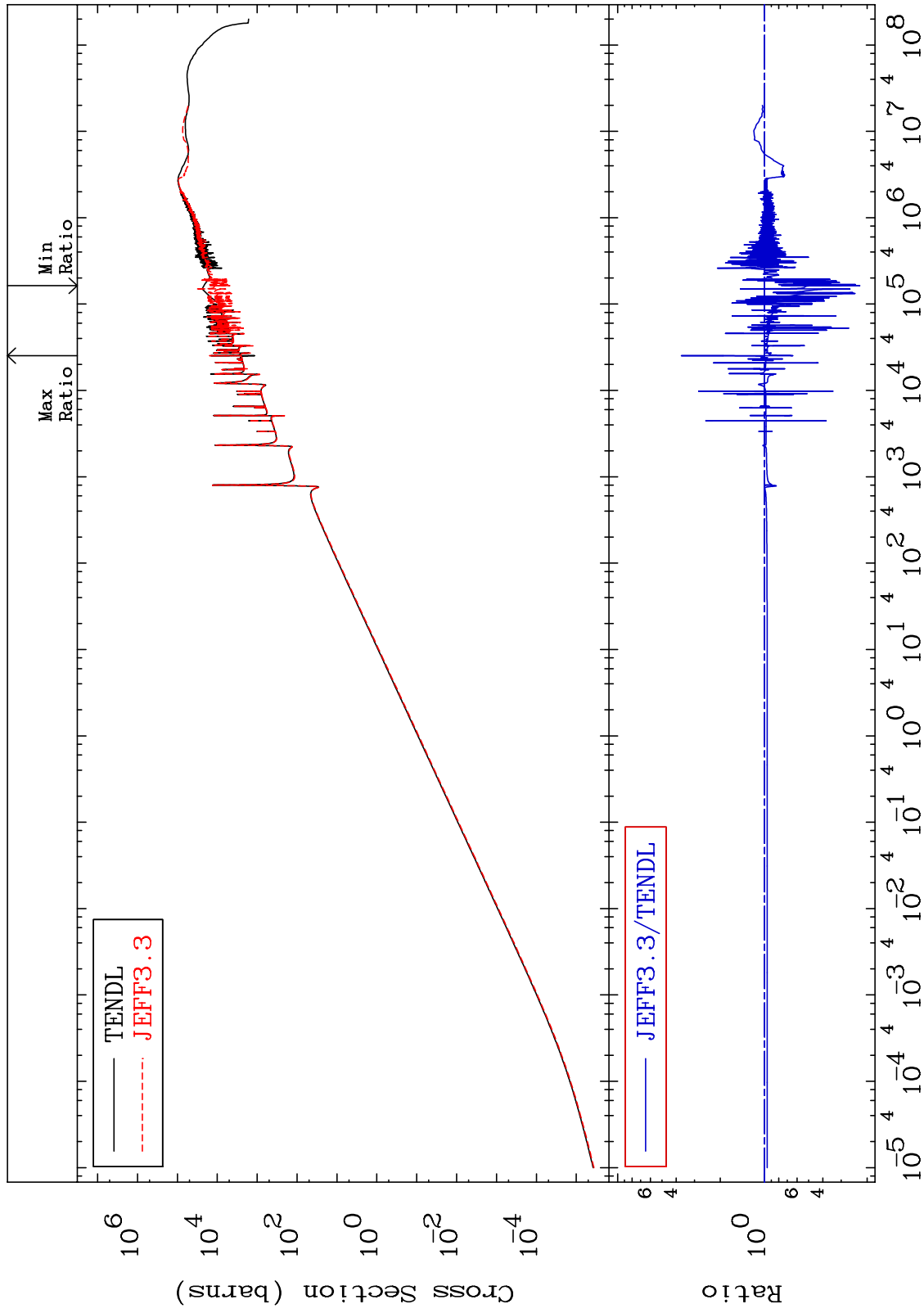
MAT 8325      Kerma total (eV-barns)  
Cross Section      83-Bi-209  
-1138. To 1032. %



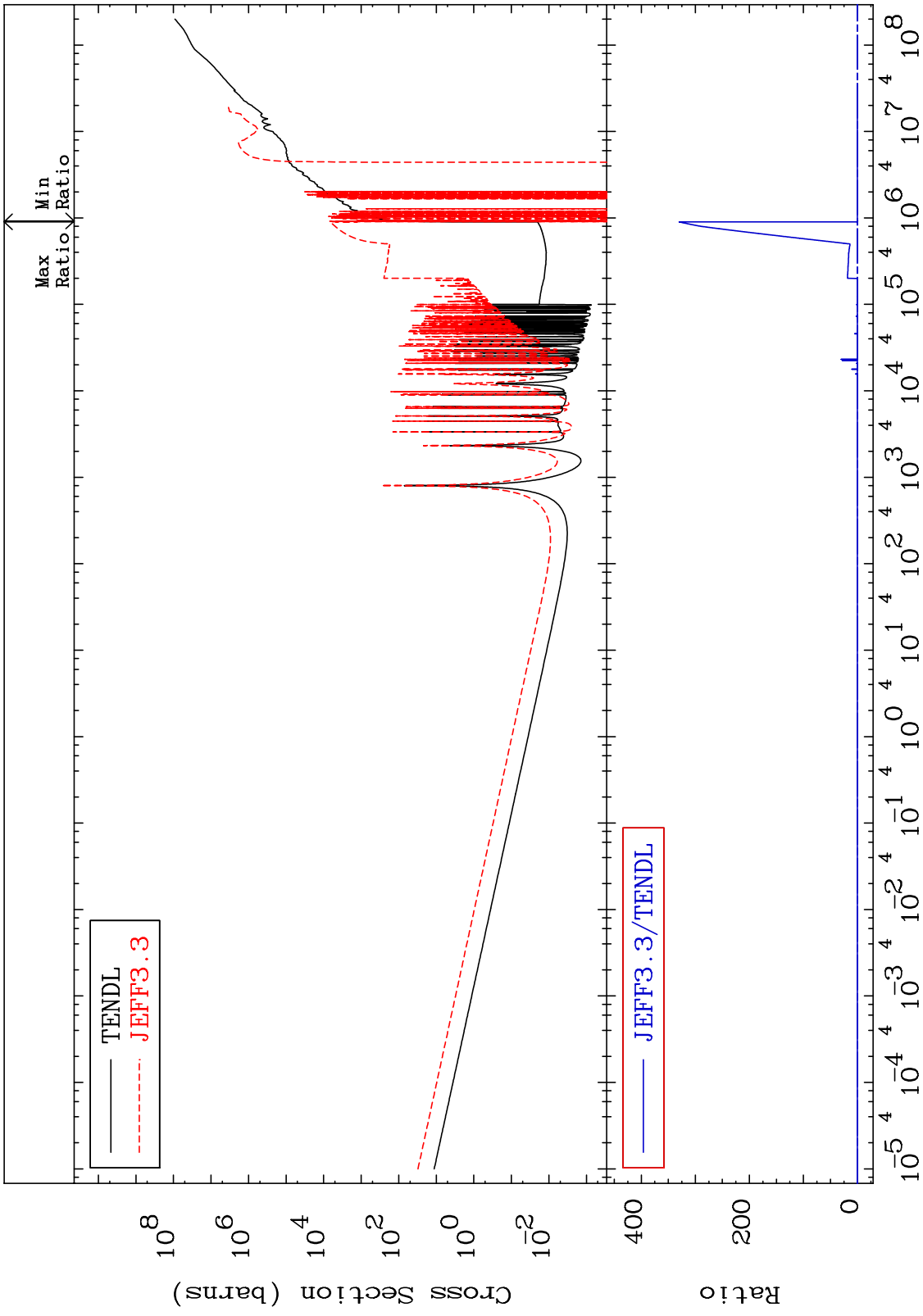
MAT 8325

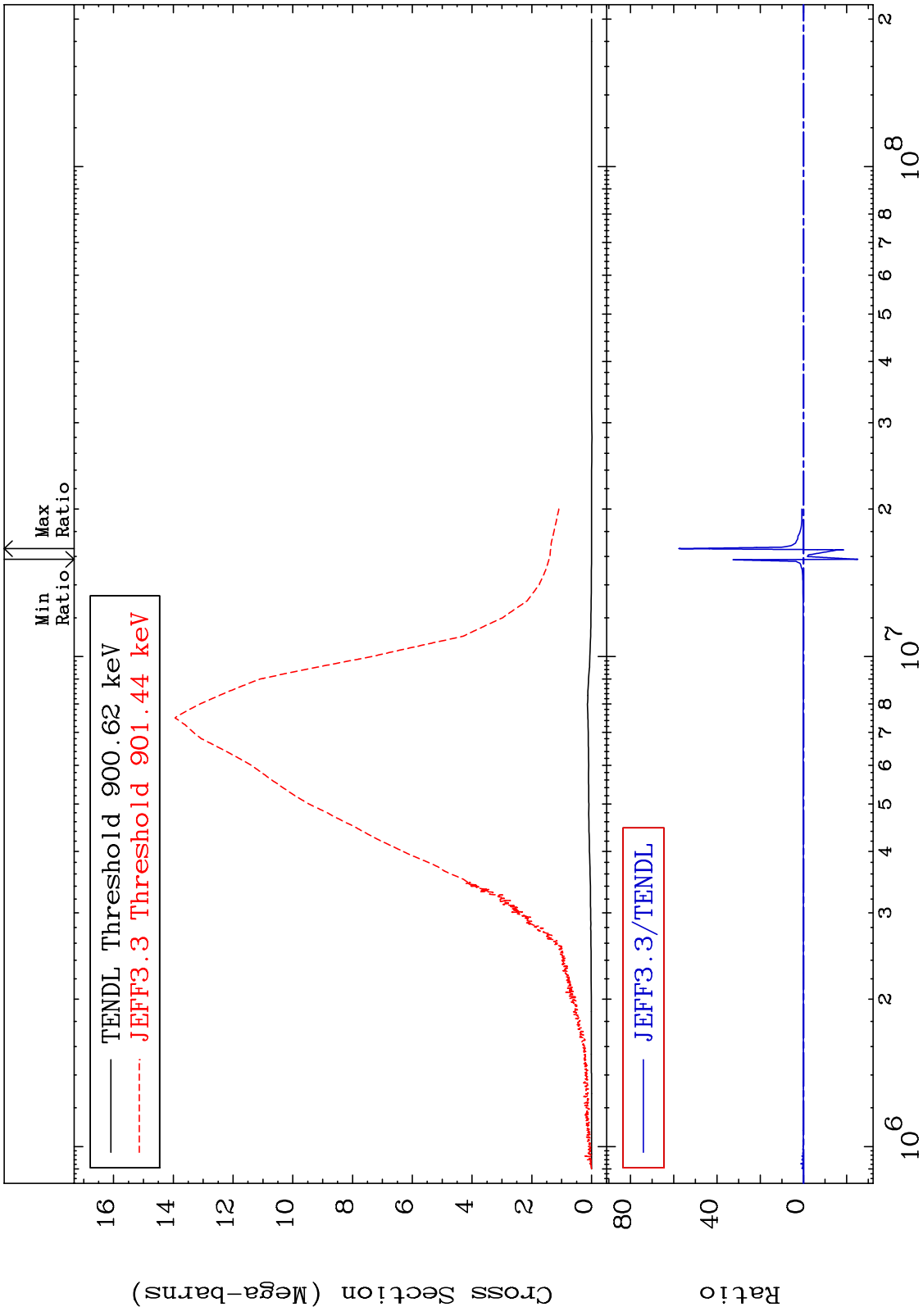
Kerma elastic  
Cross Section

83-Bi-209  
-77.56 To 269.4 %



MAT 8325      Kerma non-elastic (all but mt2)      83-Bi-209  
 Cross Section      -9999. To 9999. %



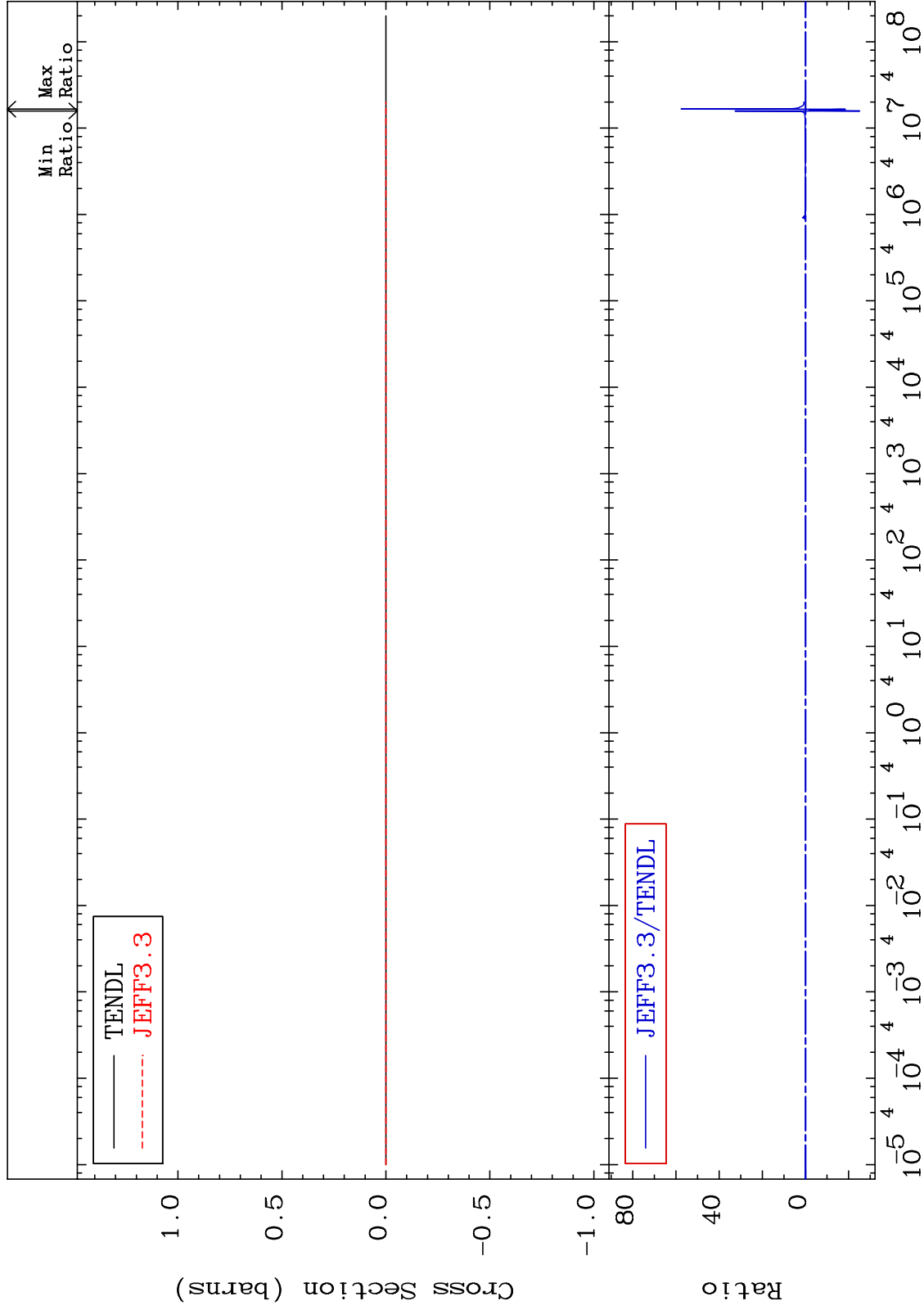




MAT 8325

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

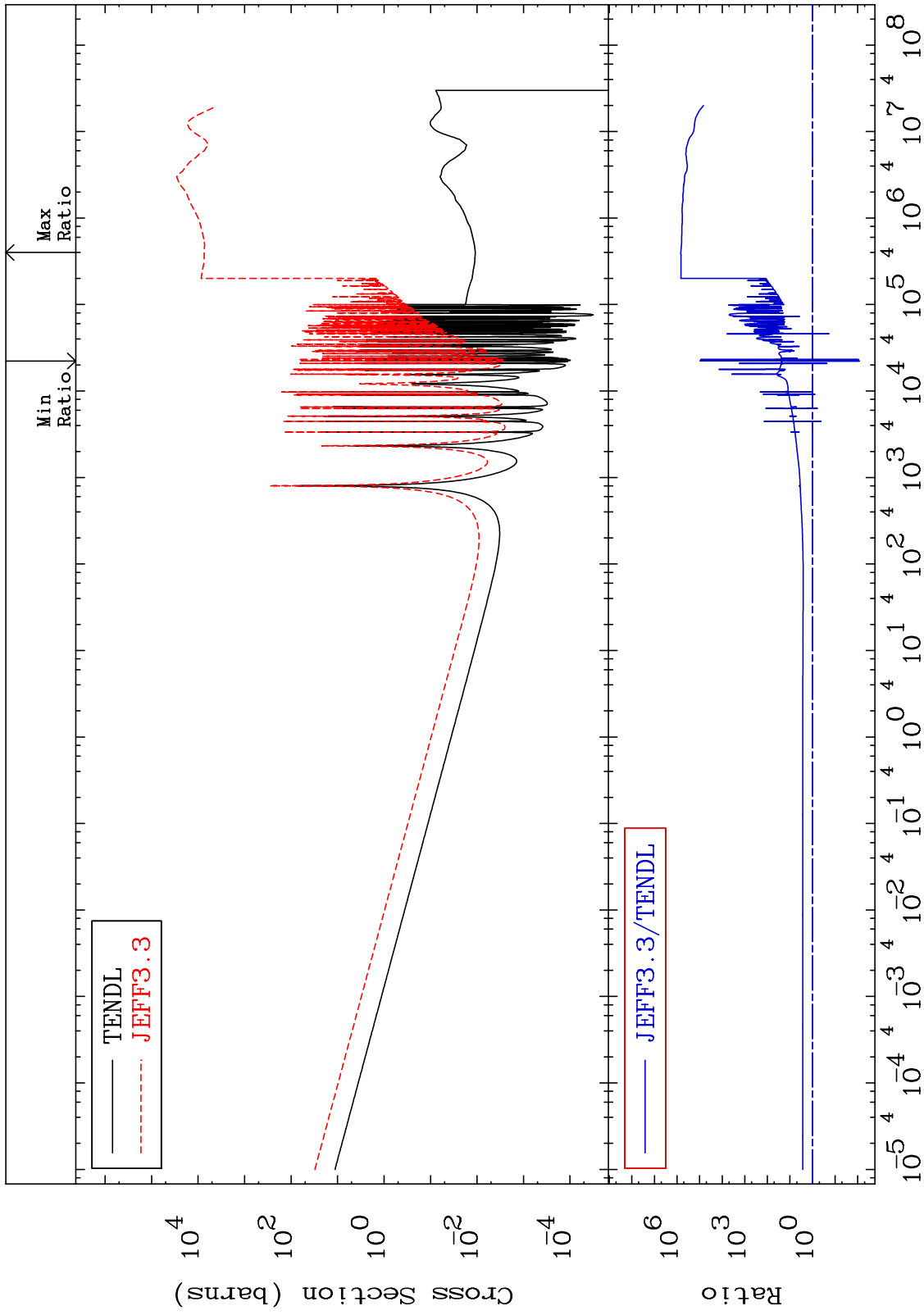
83-Bi-209  
-9999. To 9999. %



MAT 8325

Kerma capture (mt102)  
Cross Section

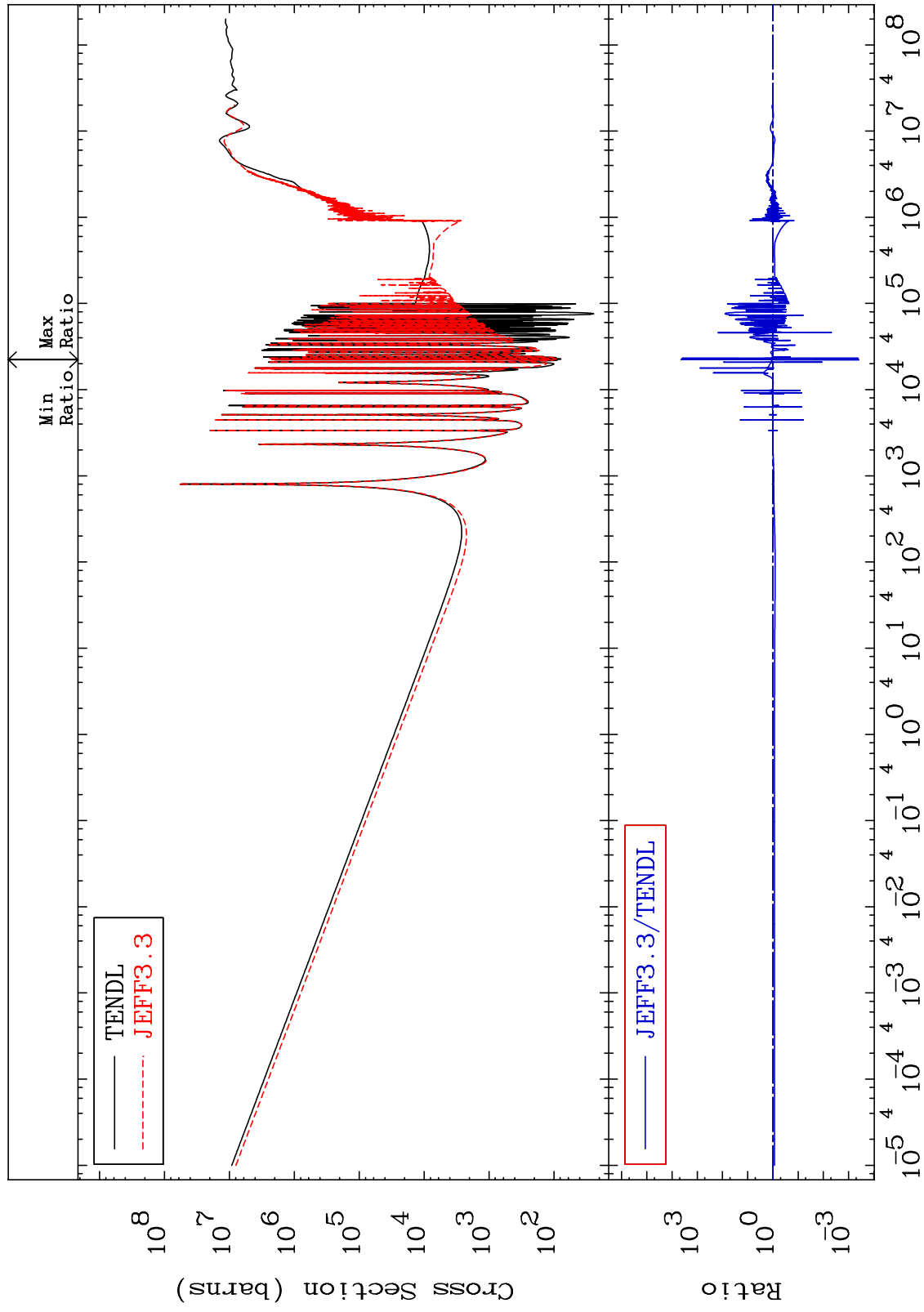
83-Bi-209  
-99.18 To 9999. %



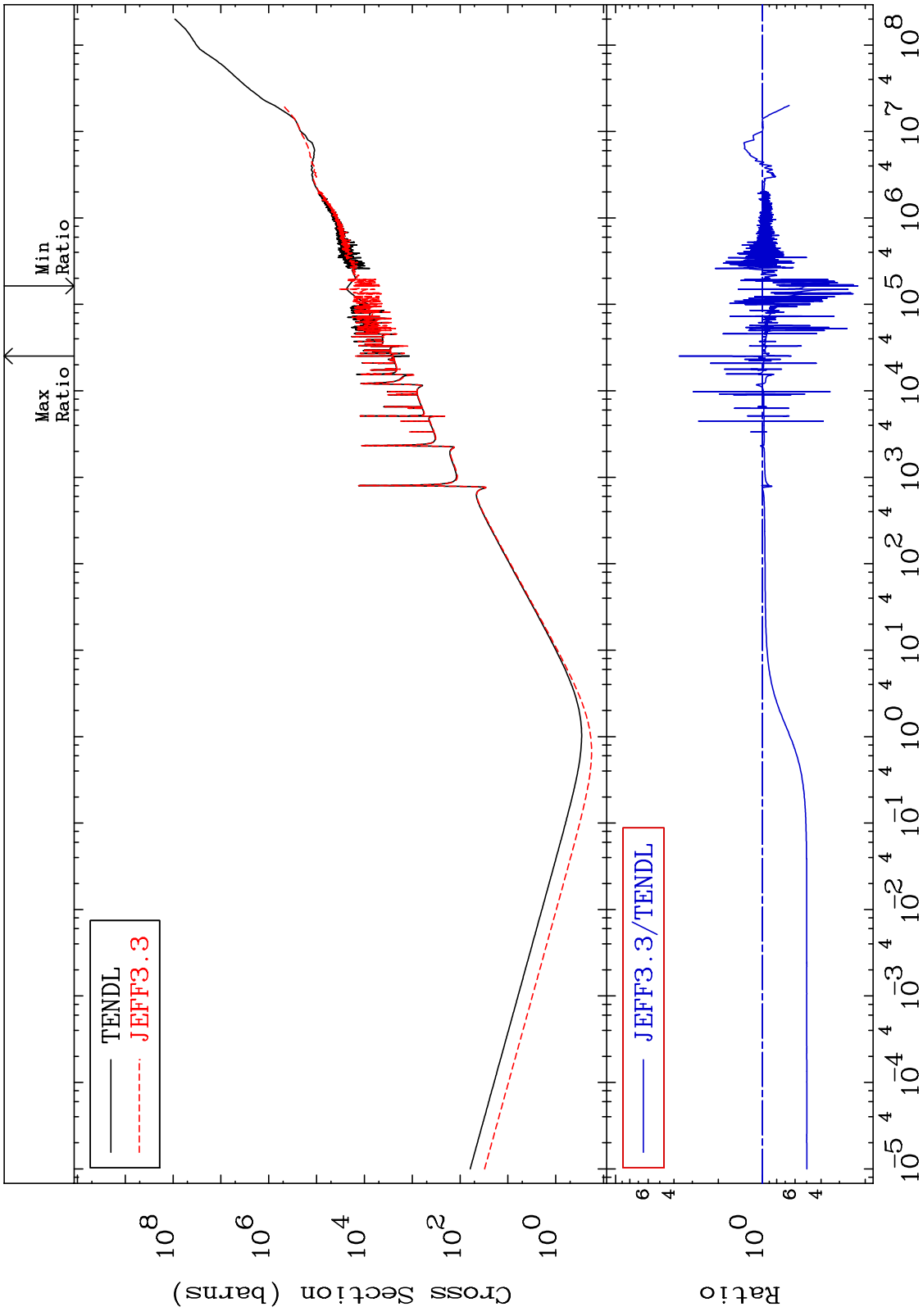
MAT 8325

Total photon (eV-barns)  
Cross Section

83-Bi-209  
-99.96 To 9999. %



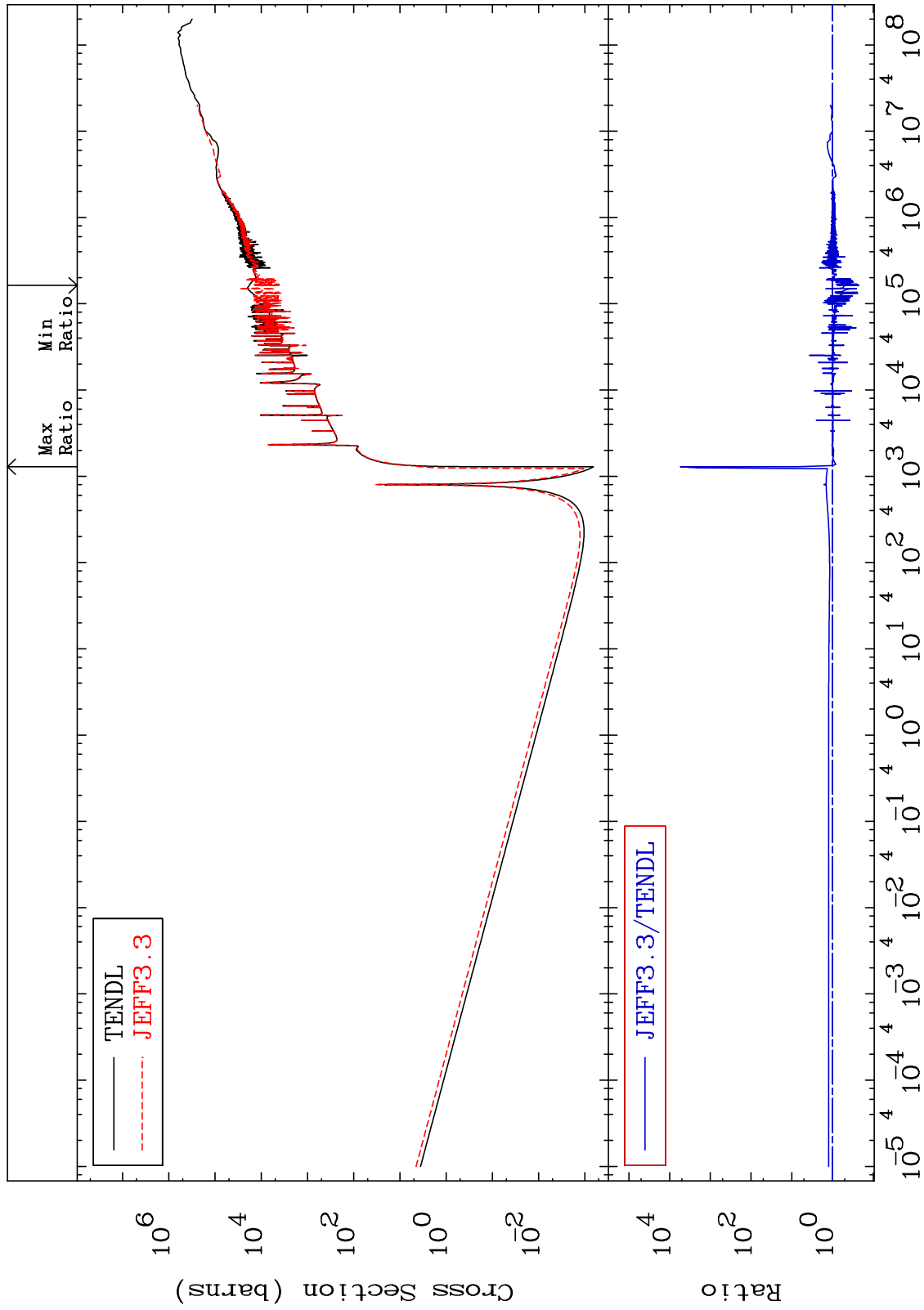
MAT 8325 Total kinematic kerma (high limit) 83-Bi-209  
 Cross Section -77.54 To 269.6 %



MAT 8325

Dpa total (eV-barns)  
Cross Section

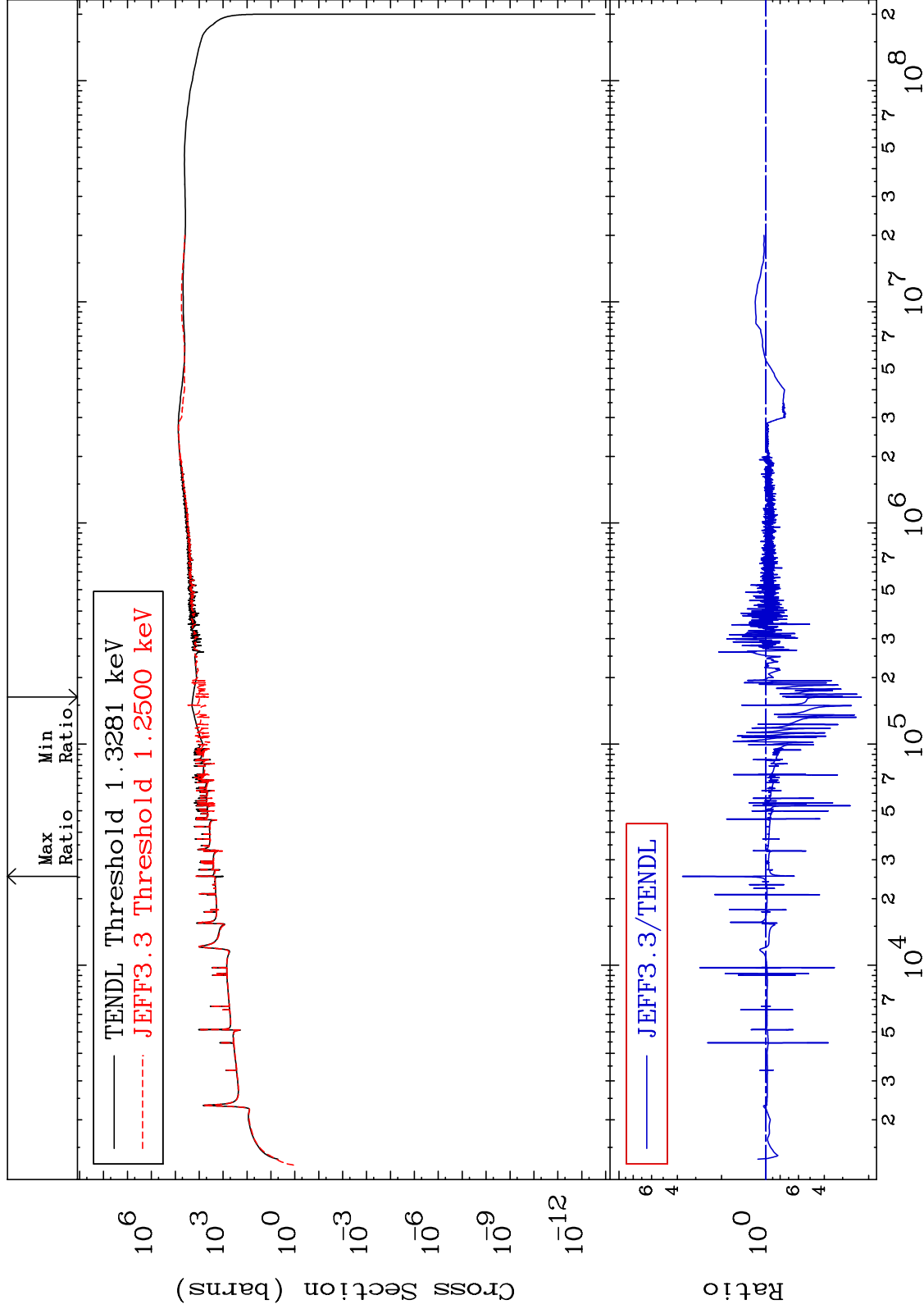
83-Bi-209  
-77.57 To 9999. %



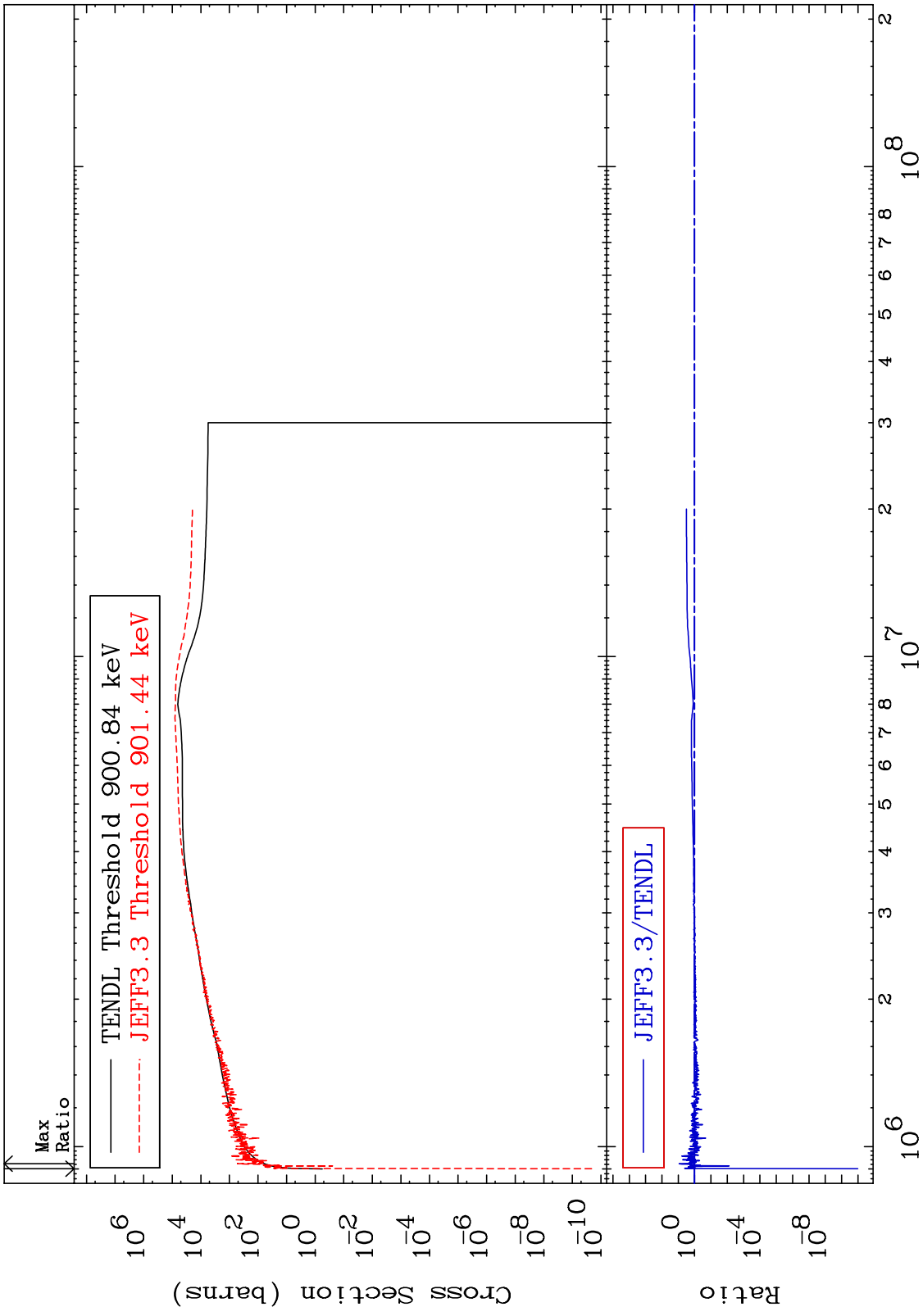
MAT 8325

Dpa elastic (mt2)  
Cross Section

83-Bi-209  
-77.57 To 269.4 %



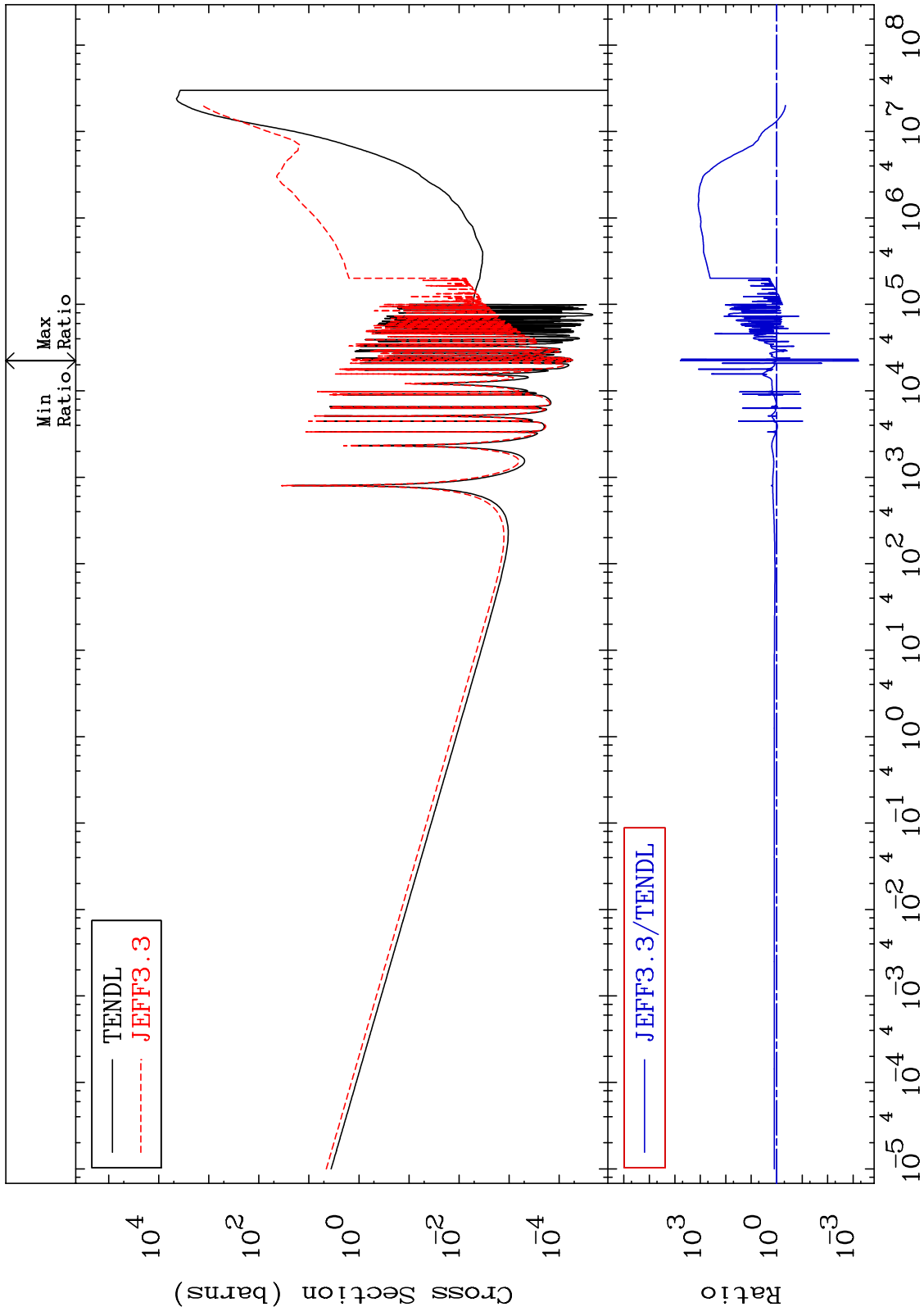
MAT 8325      Dpa inelastic (mt51-91)      83-Bi-209  
Cross Section      -100.0 To 796.0 %



MAT 8325

Dpa disappearance (mt102 -120)  
Cross Section

83-Bi-209  
-99.94 To 9999. %

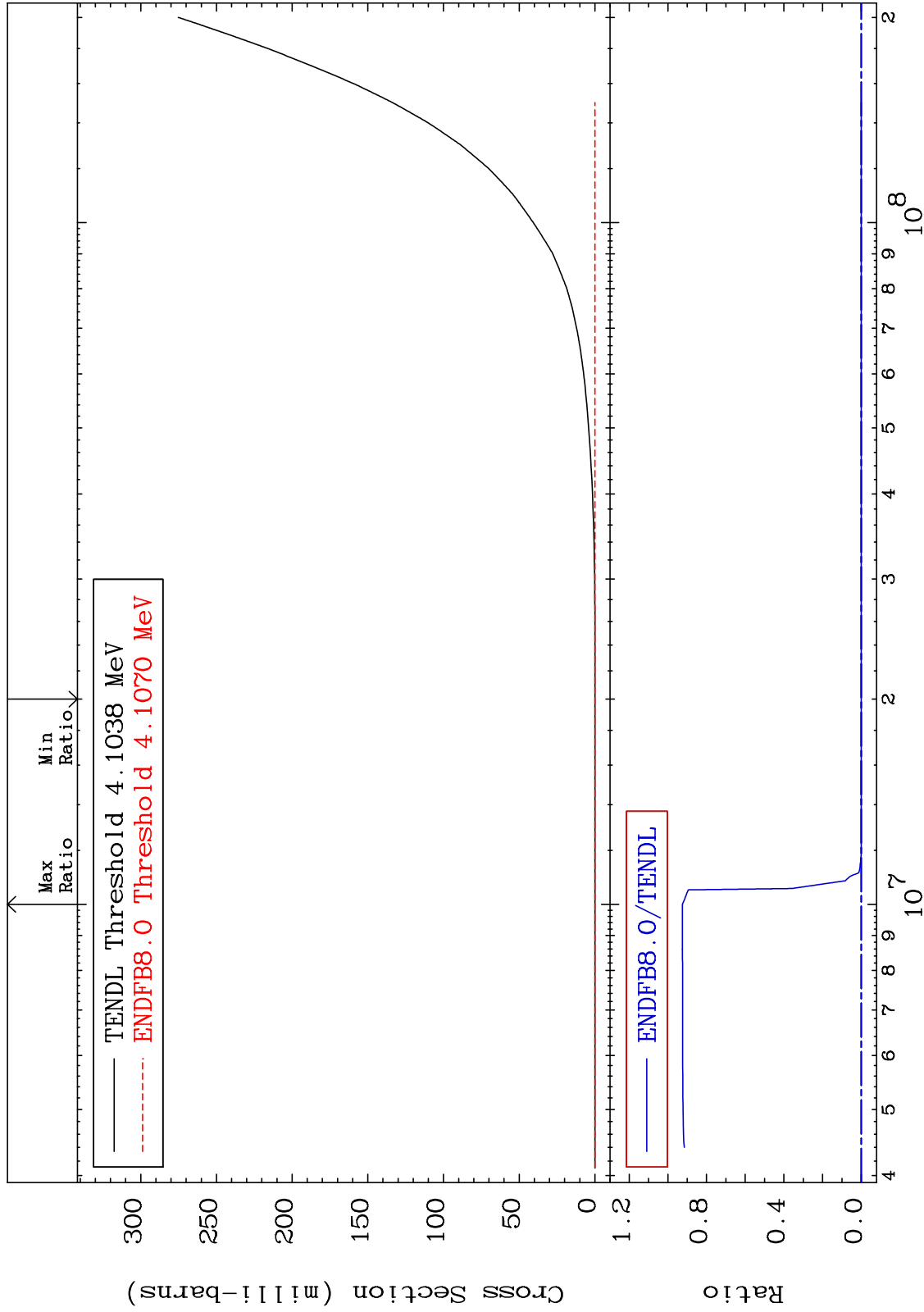




MAT 8325

He-3 Production  
Cross Section

83-Bi-209  
-100.0 To 9999. %



40

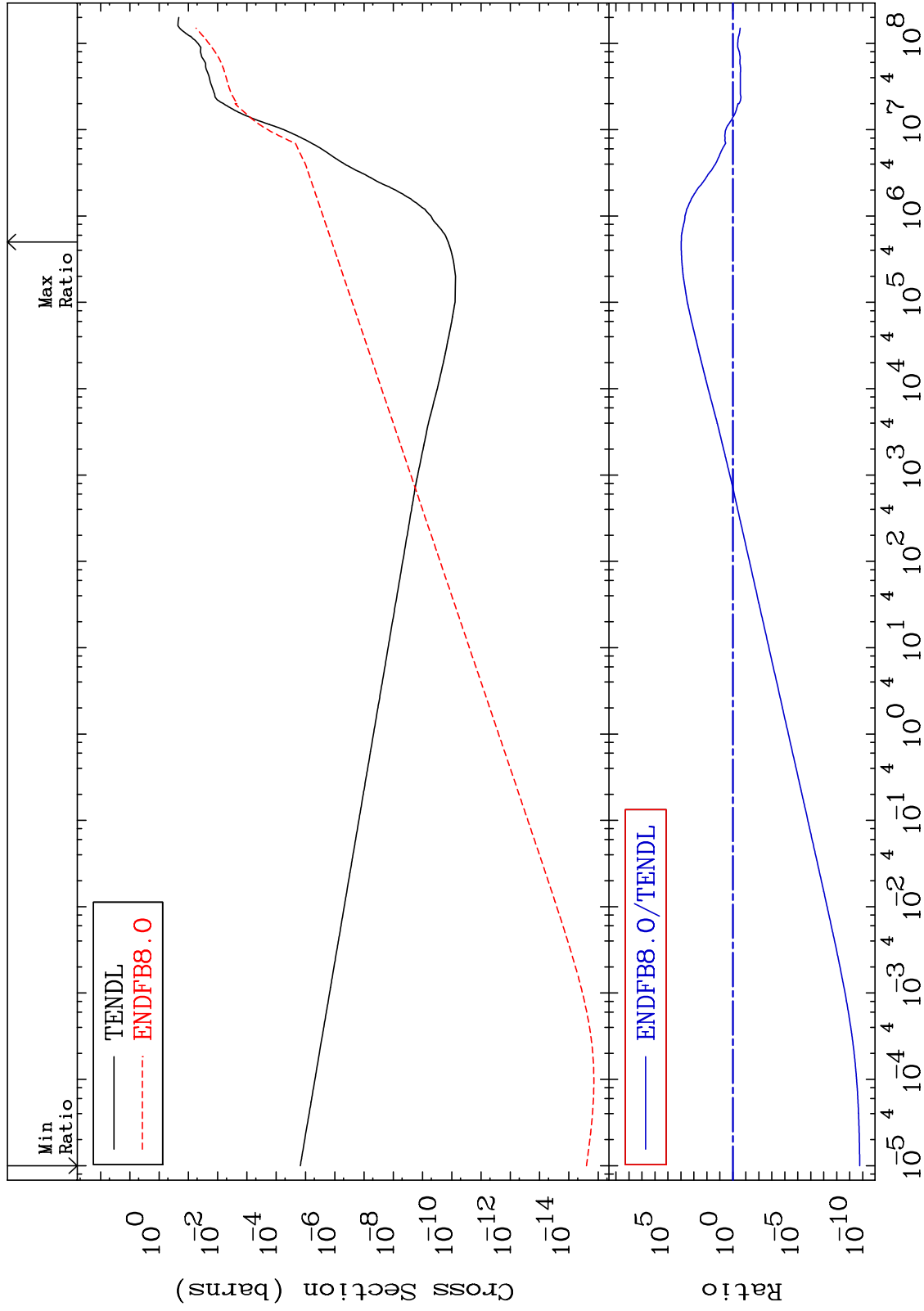
Incident Energy (eV)

83-Bi-209

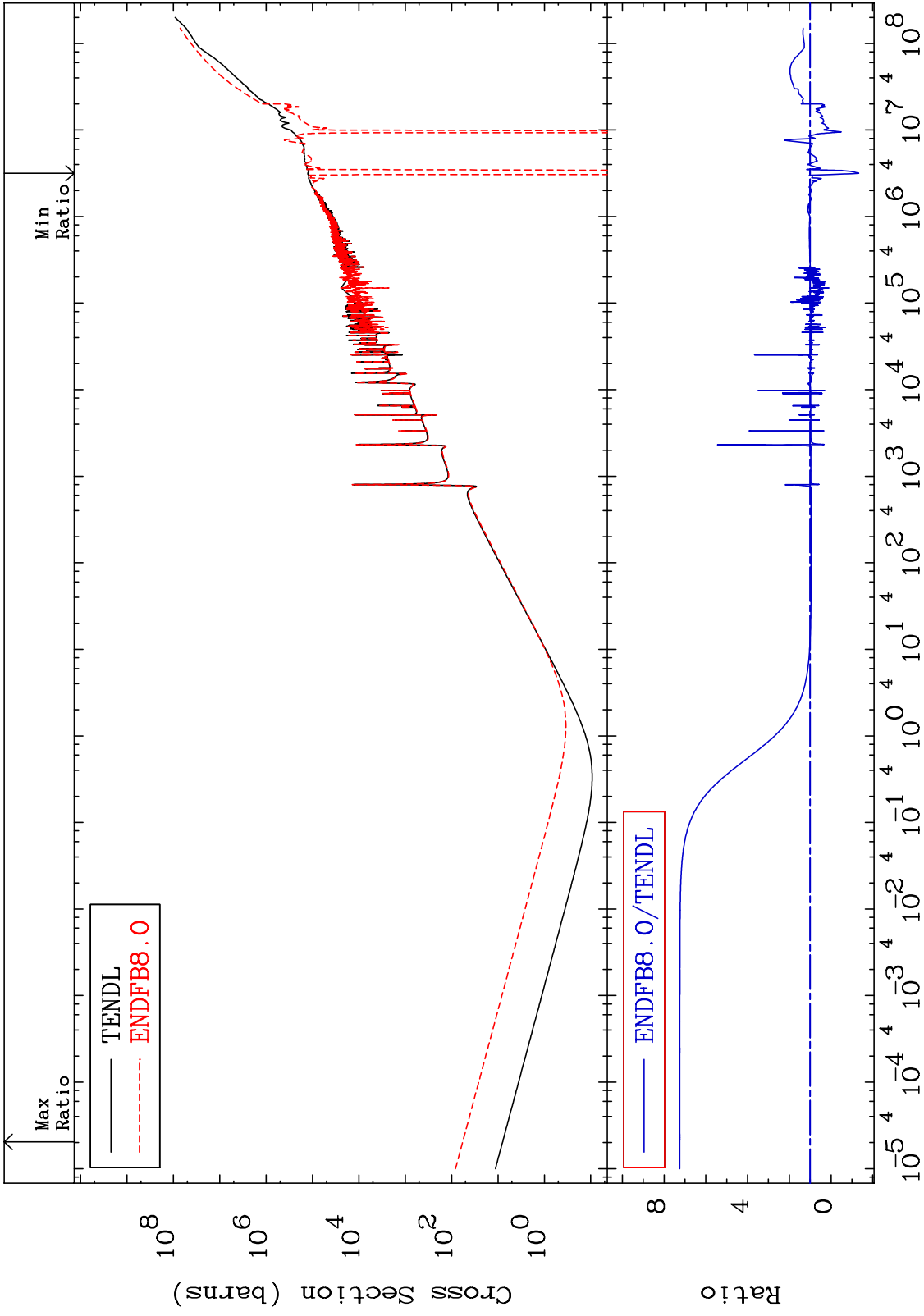
MAT 8325

He-4 Production  
Cross Section

83-Bi-209  
-100.0 To 9999. %



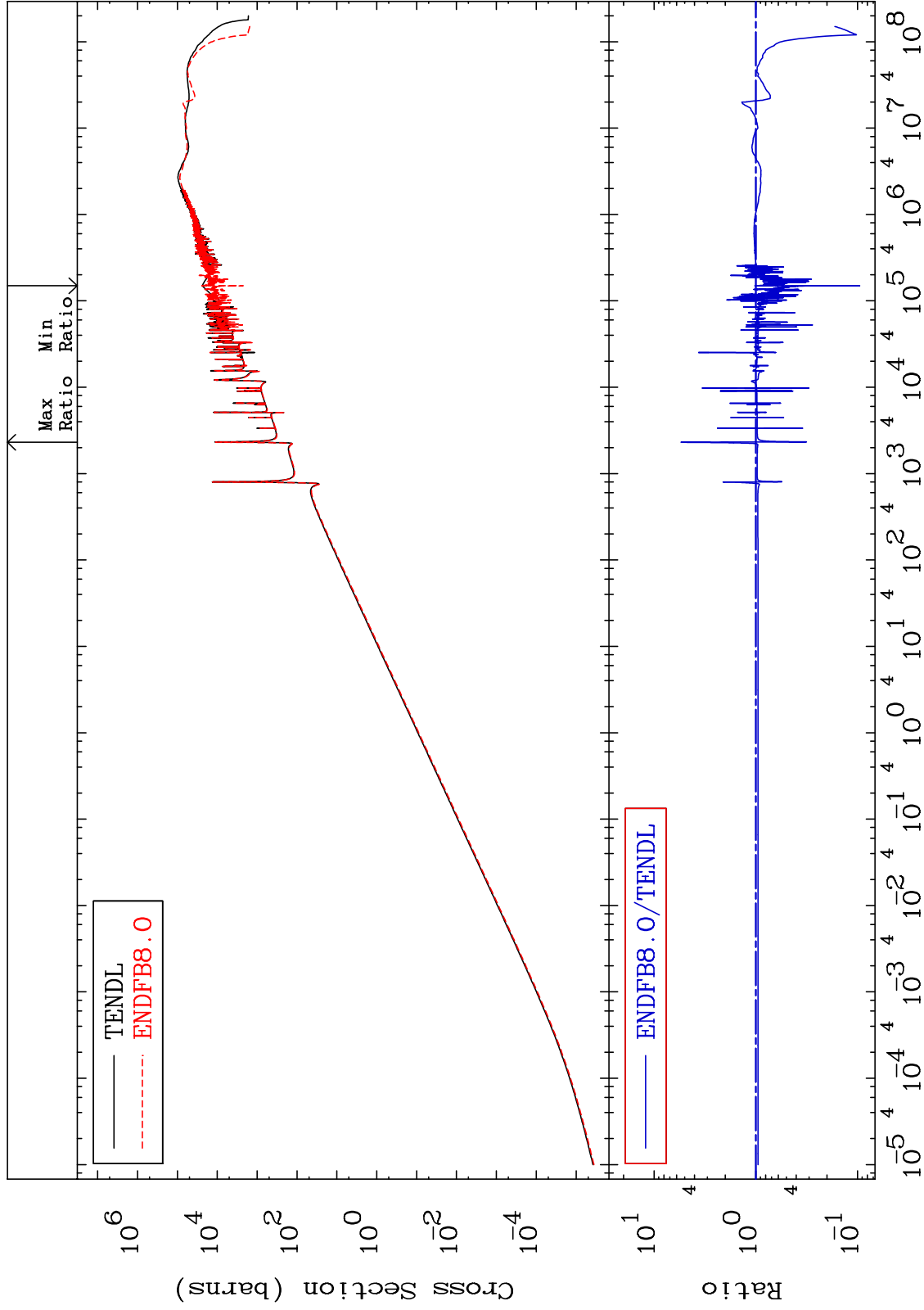
MAT 8325 Kerma total (eV-barns) 83-Bi-209  
Cross Section -232.9 To 624.8 %



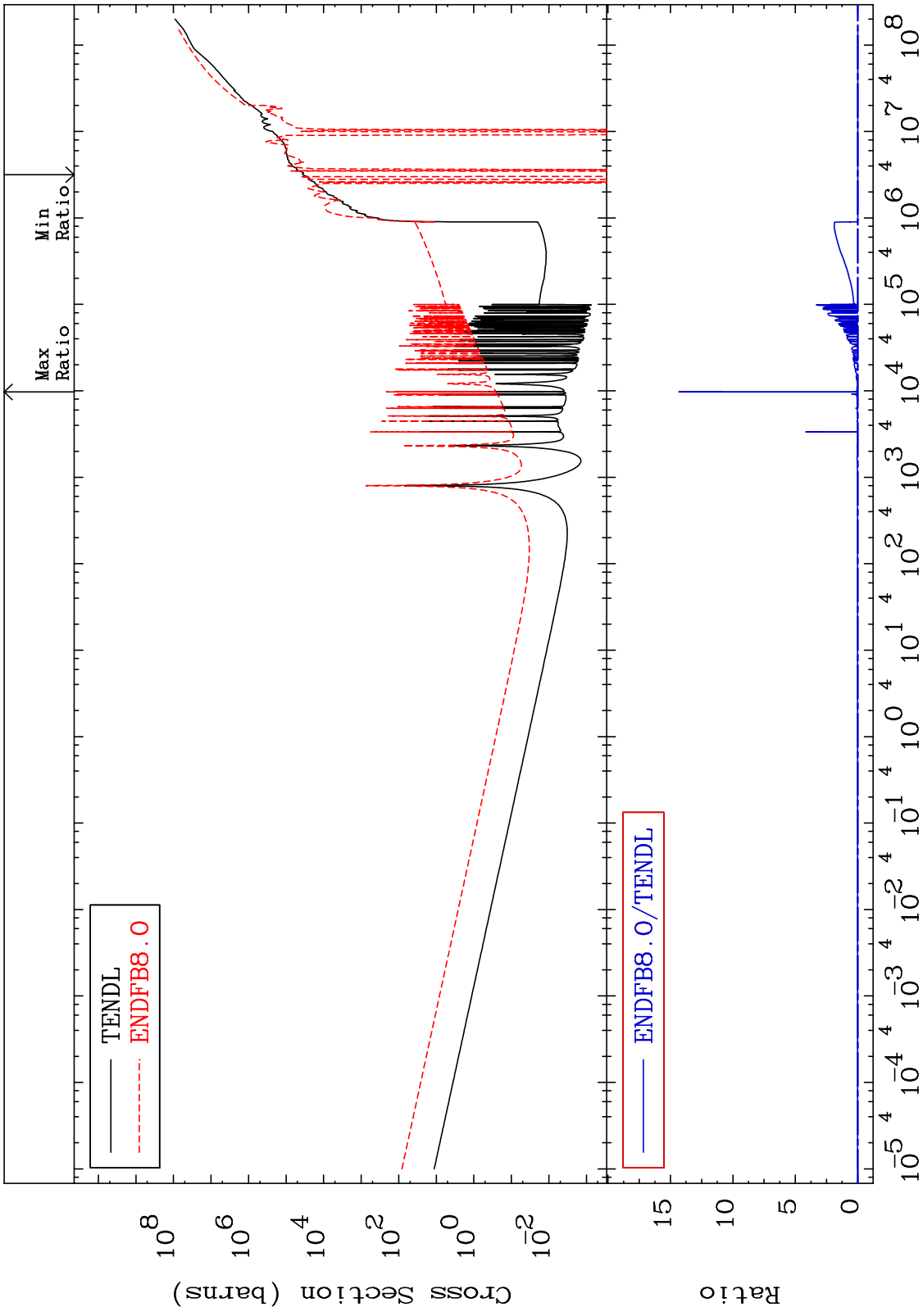
MAT 8325

Kerma elastic  
Cross Section

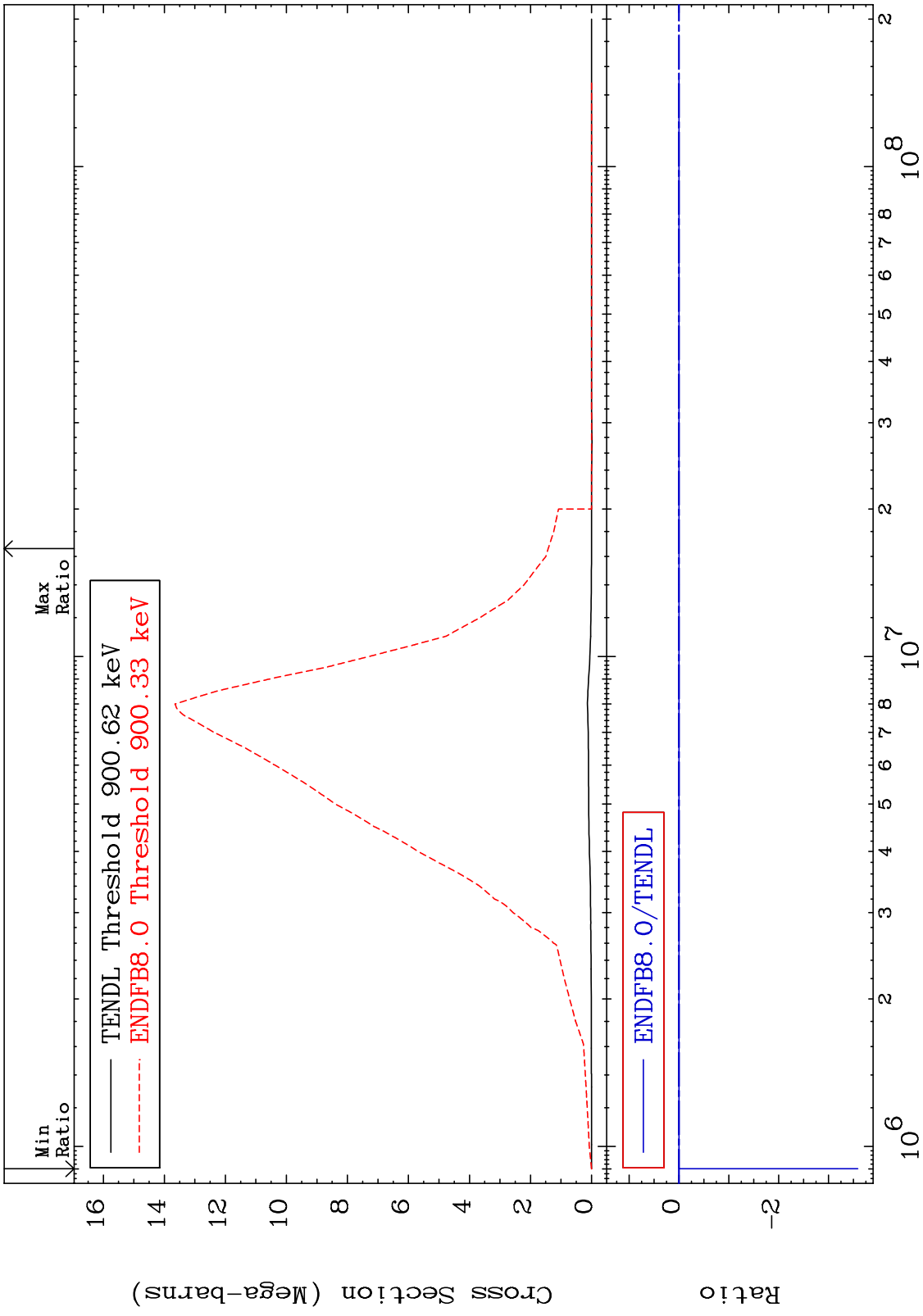
83-Bi-209  
-90.49 To 440.8 %



MAT 8325      Kerma non-elastic (all but mt2)      83-Bi-209  
 Cross Section      -793.4 To 9999. %



MAT 8325 Kerma inelastic (mt51-91) 83-Bi-209  
 -9999. To 9999. %  
 Cross Section

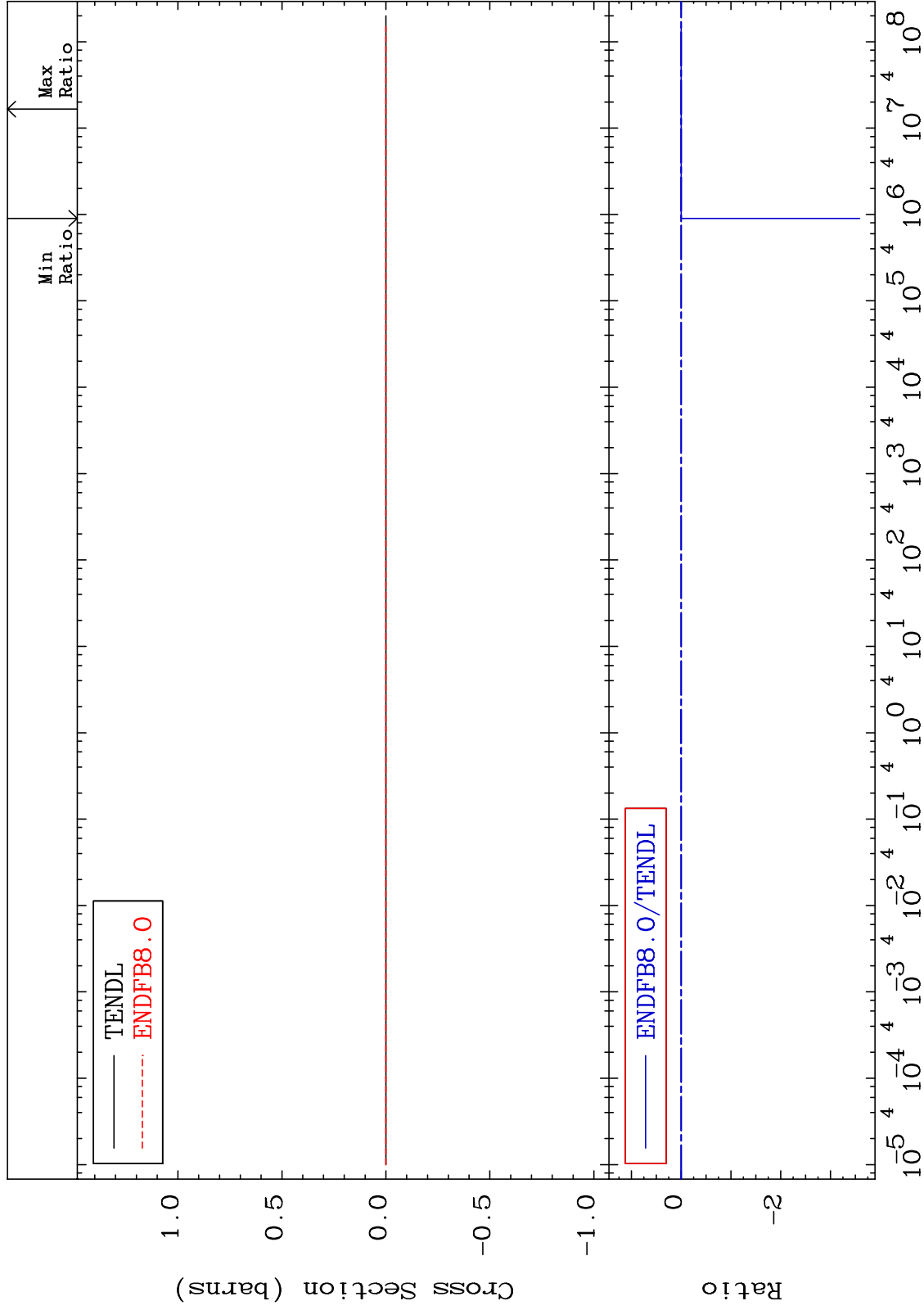


45 83-Bi-209

MAT 8325

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

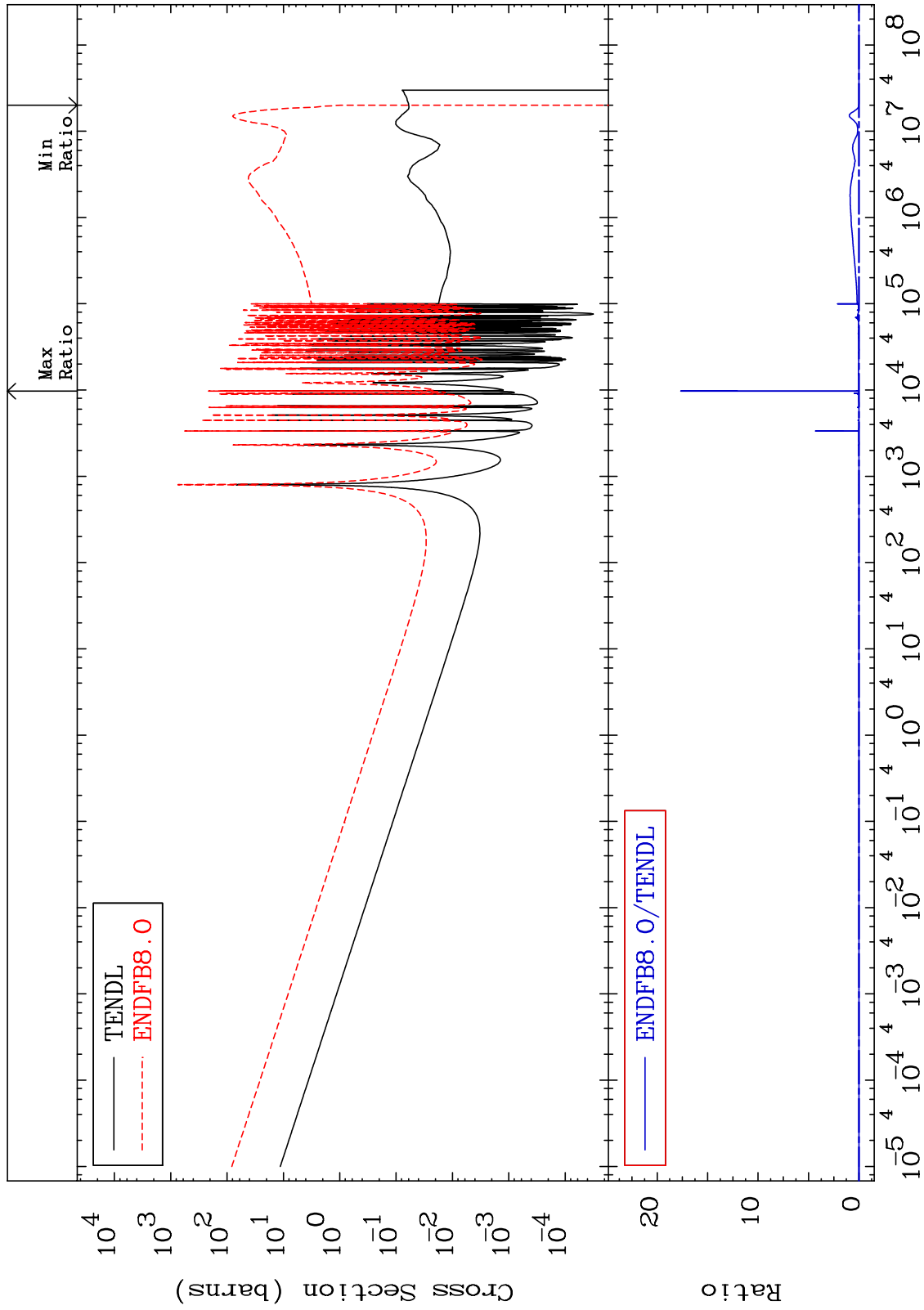
83-Bi-209  
-9999. To 9999. %



MAT 8325

Kerma capture (mt102)  
Cross Section

83-Bi-209  
-100.0 To 9999. %



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Incident Energy (eV)

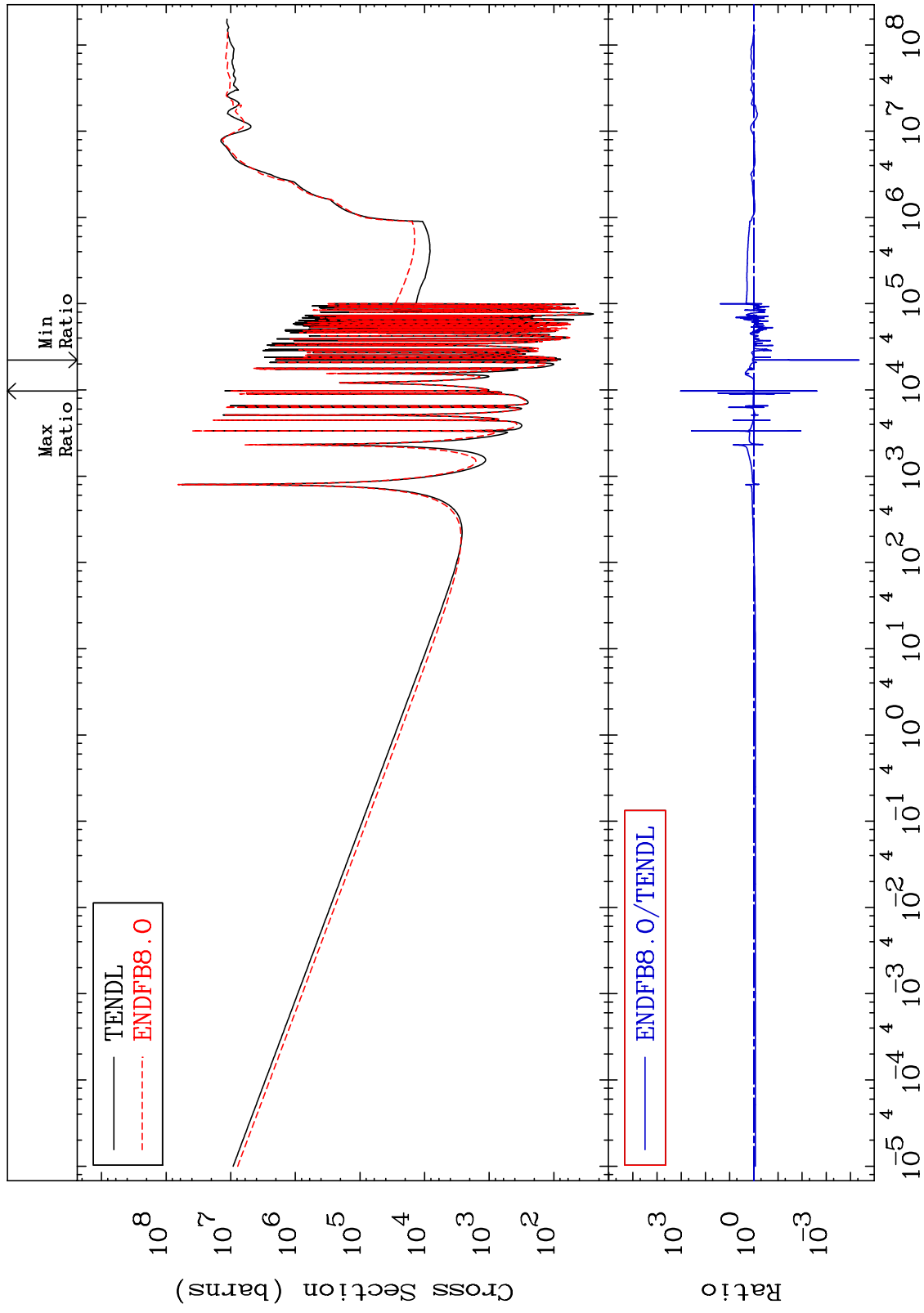
83-Bi-209



MAT 8325

Total photon (eV-barns)  
Cross Section

83-Bi-209  
-100.0 To 9999. %

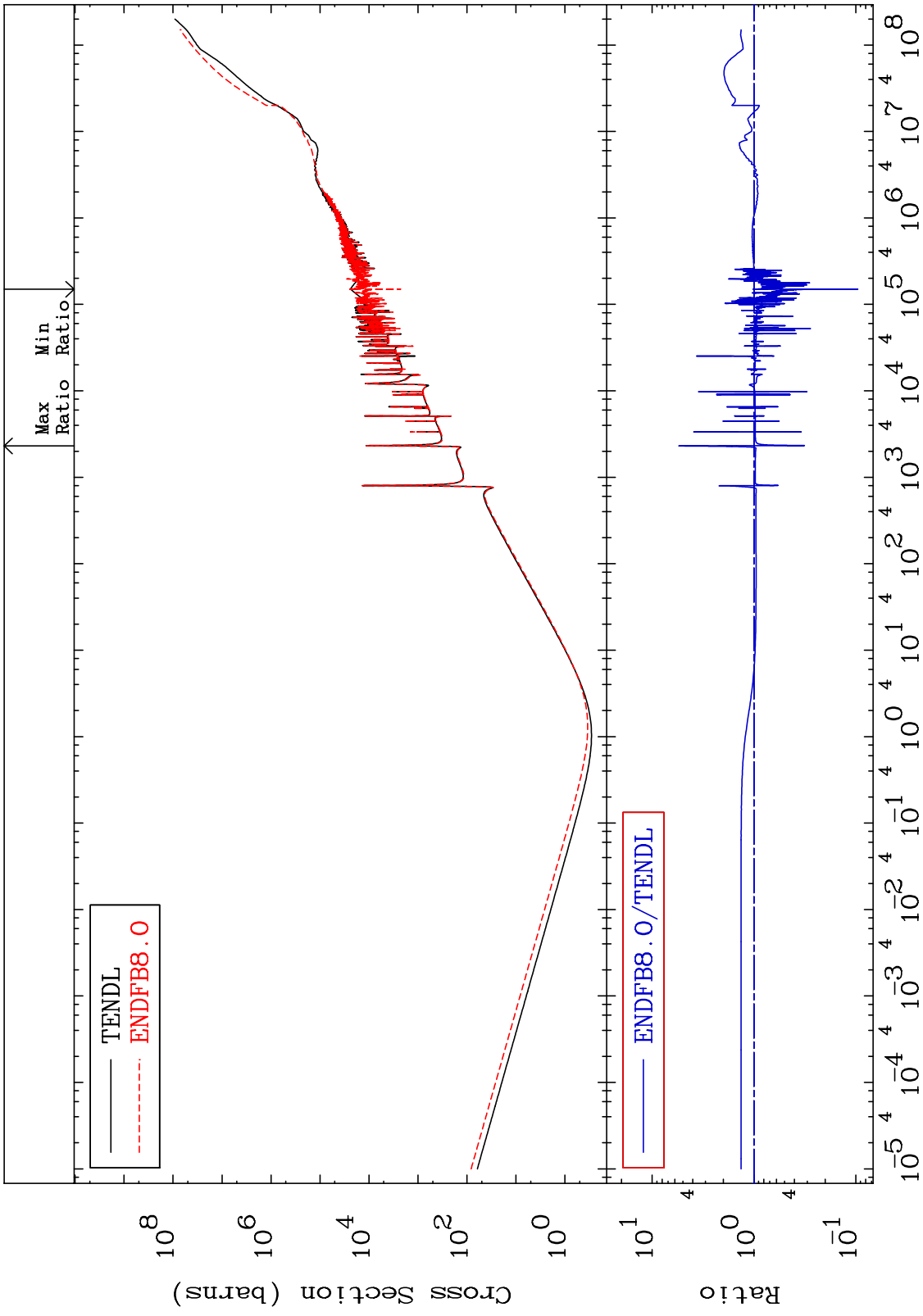


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Incident Energy (eV)

83-Bi-209

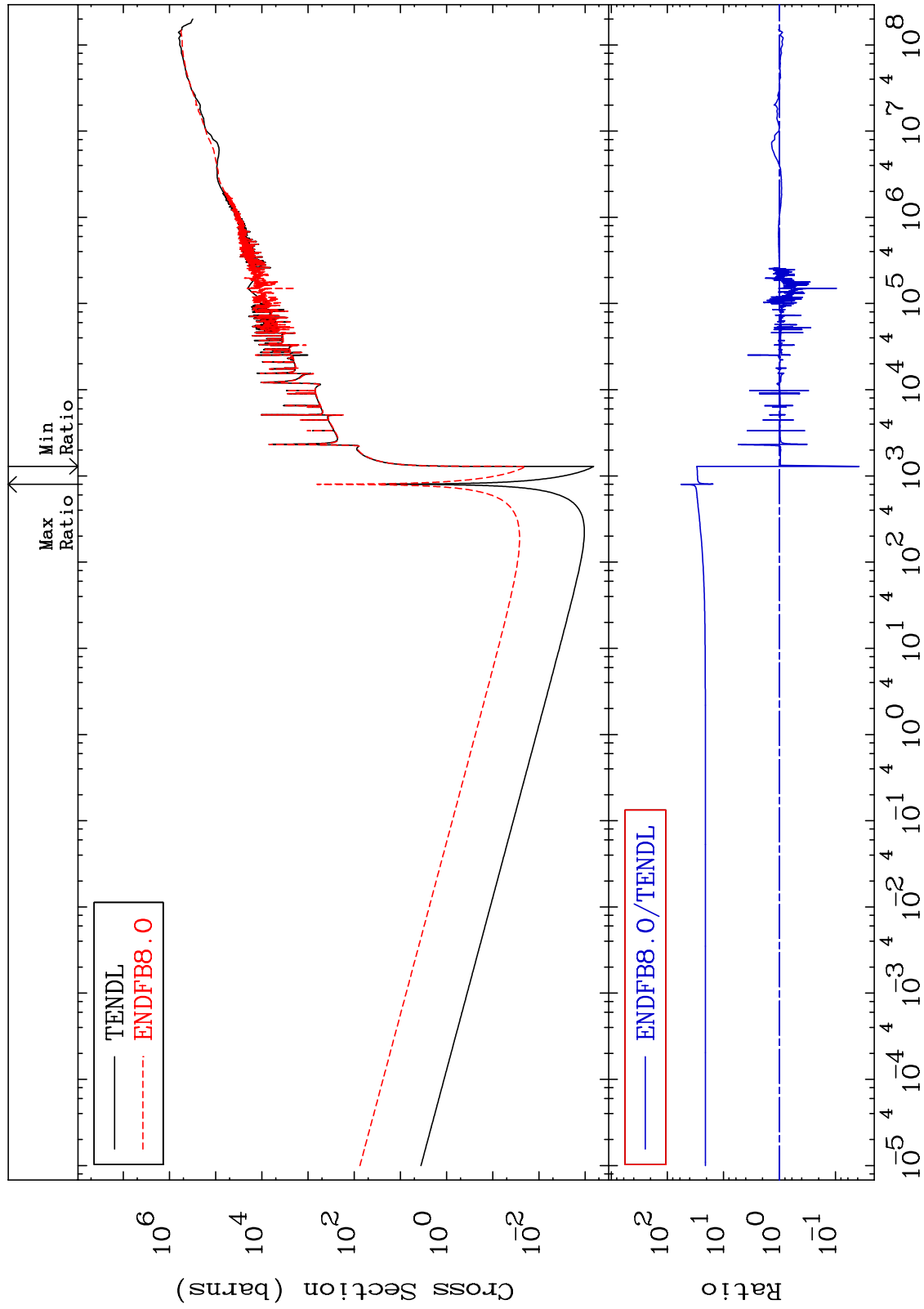
MAT 8325      Total kinematic kerma (high limit)      83-Bi-209  
Cross Section      -90.46 To 444.6 %



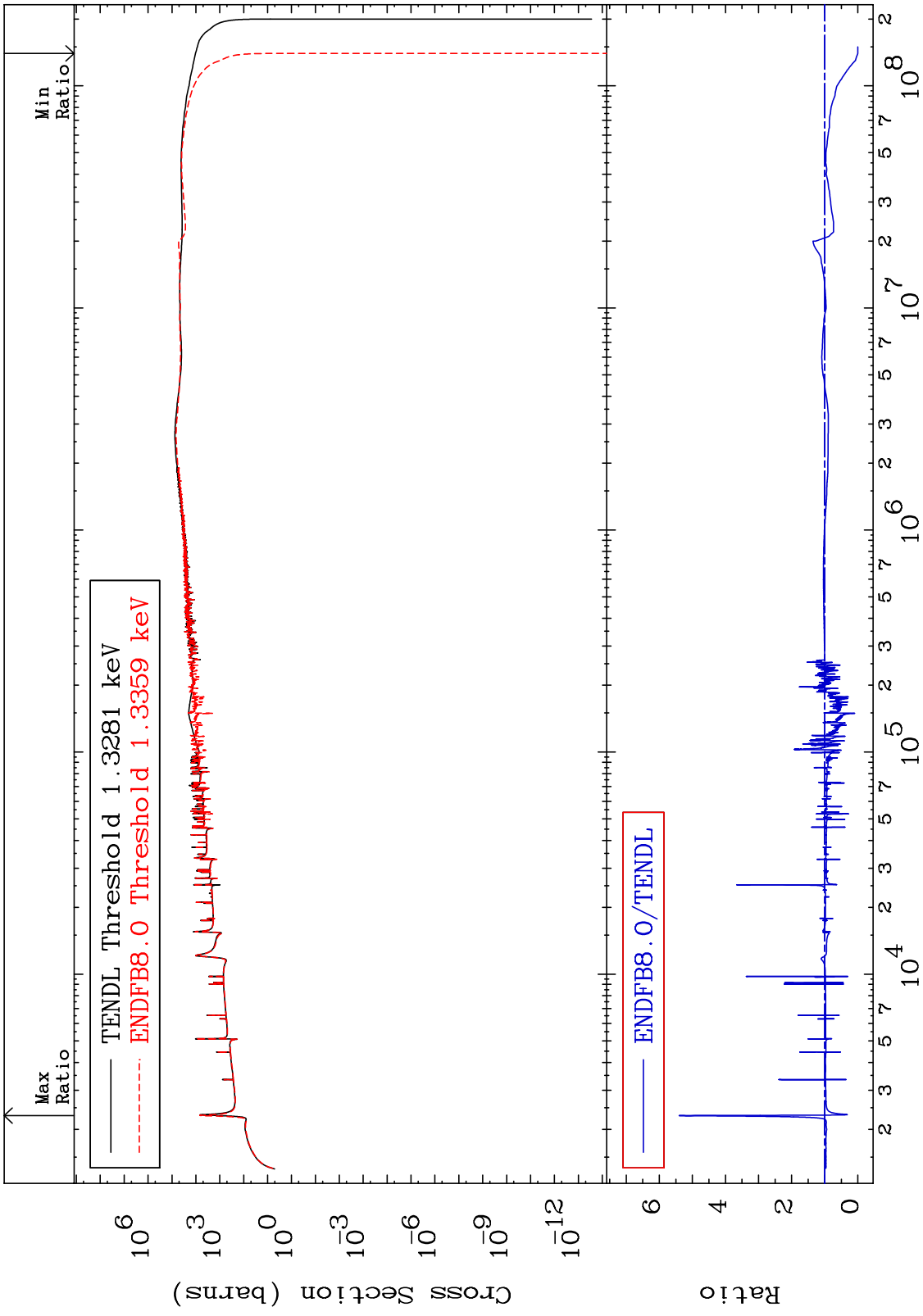
MAT 8325

Dpa total (eV-barns)  
Cross Section

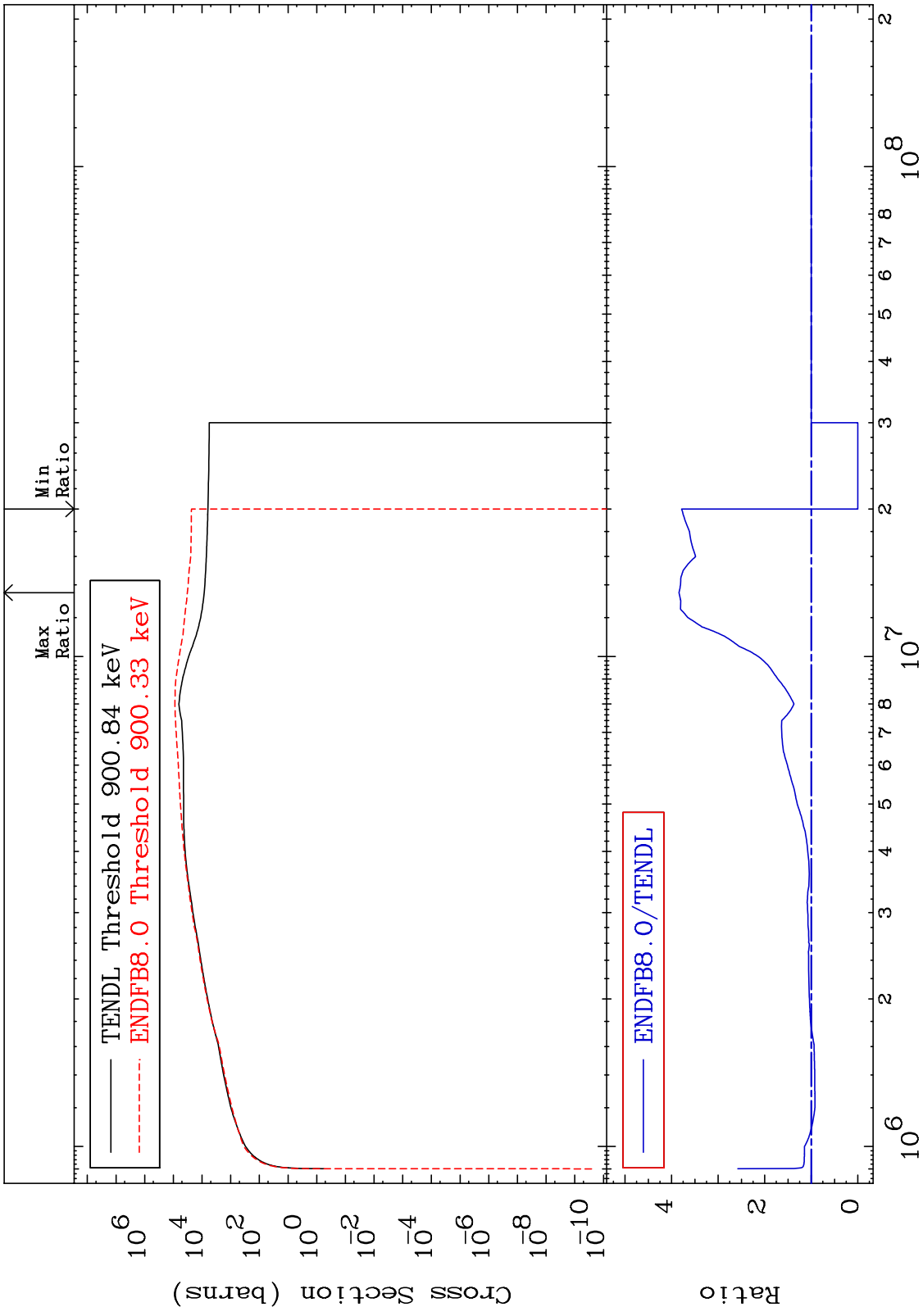
83-Bi-209  
-96.21 To 5648. %



MAT 8325 83-Bi-209  
 Dpa elastic (mt2) -100.0 To 440.4 %  
 Cross Section



MAT 8325      Dpa inelastic (mt51-91)      83-Bi-209  
 Cross Section      -100.0 To 284.0 %



52      Incident Energy (eV)      83-Bi-209

MAT 8325      Dpa disappearance (mt102 -120)      83-Bi-209  
 Cross Section      -100.0 To 9999. %

