

Program Complot  
(Version 2018-1)

by

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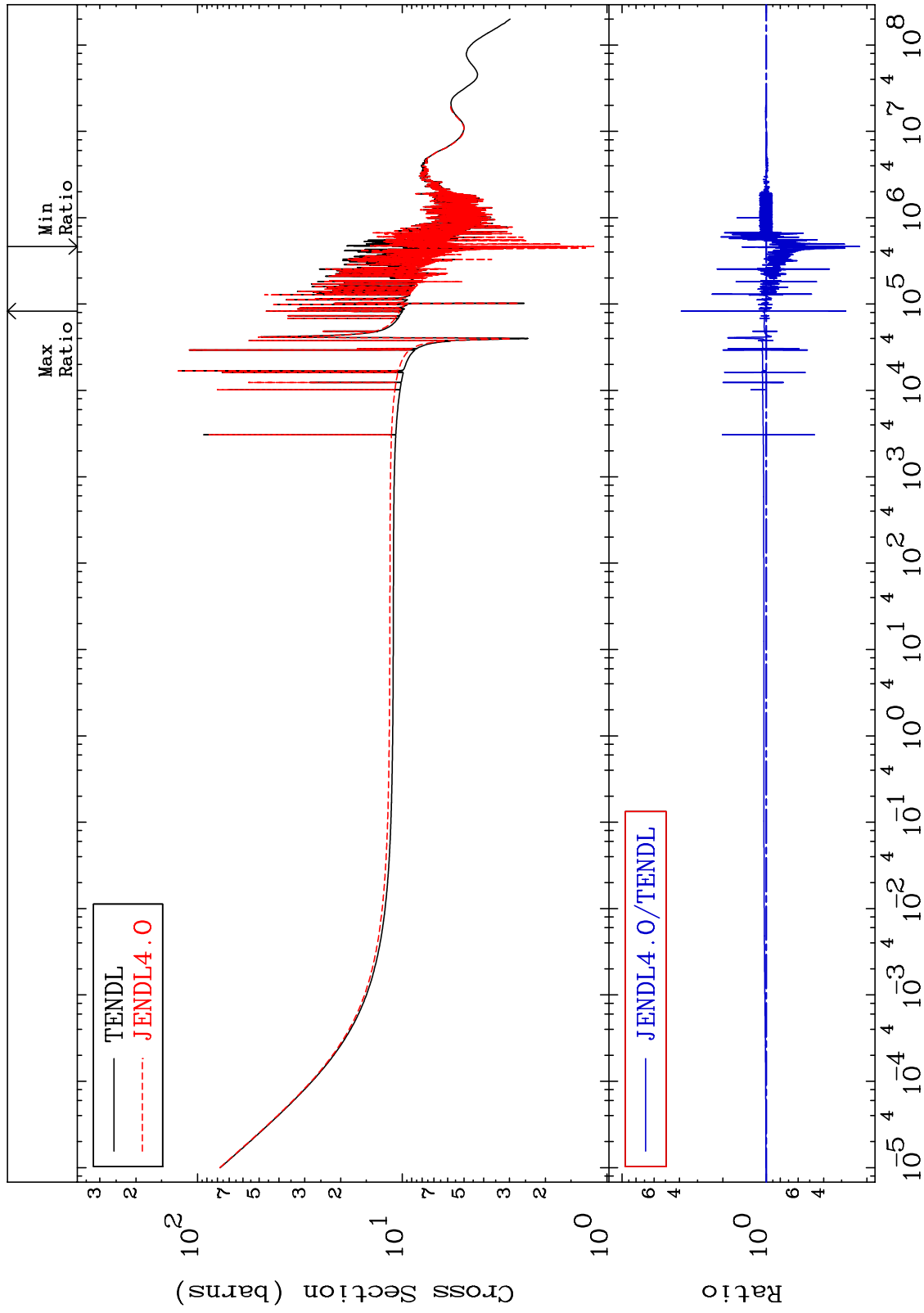
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8234

Total  
Cross Section

82-Pb-207  
-77.55 To 288.9 %



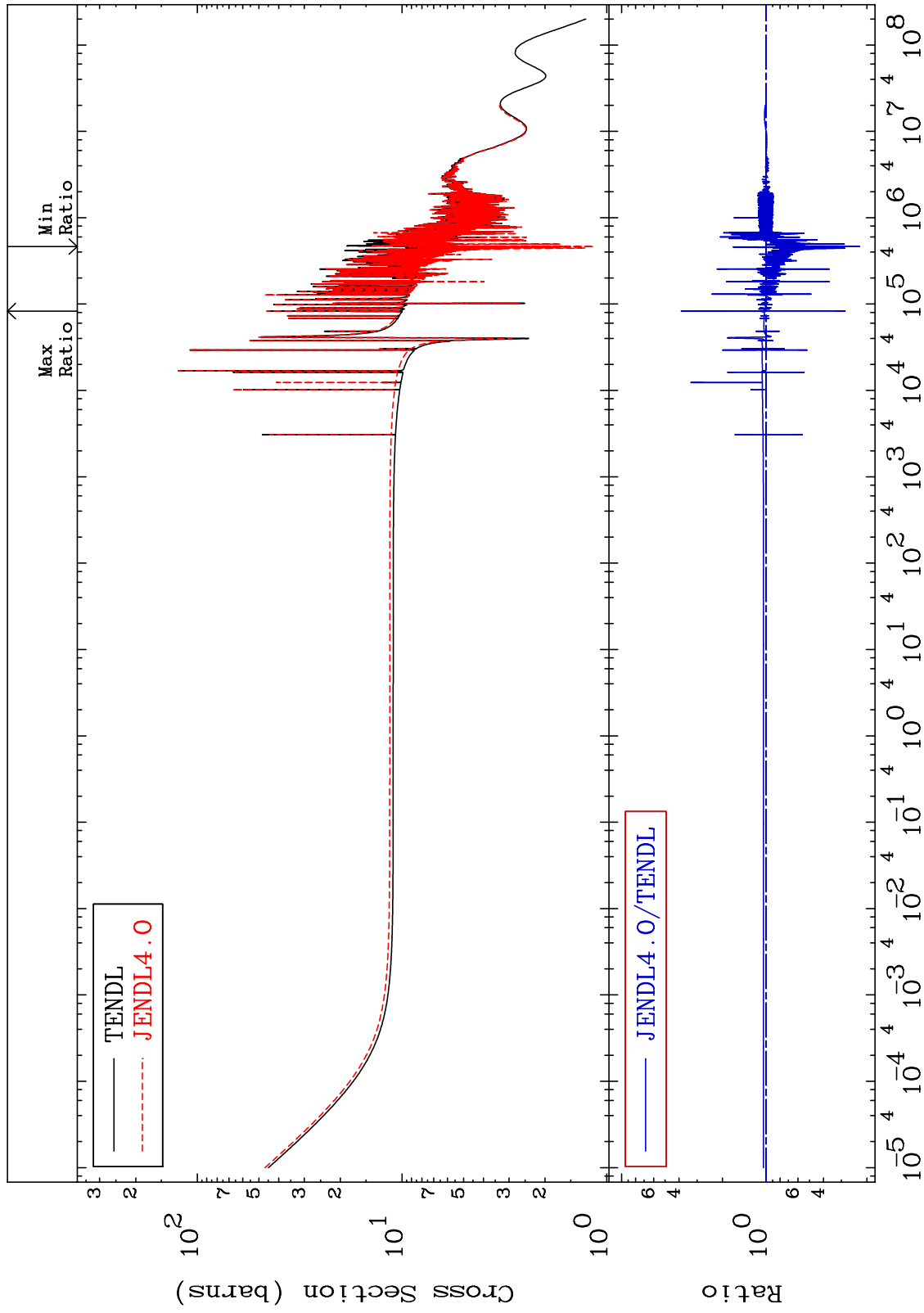
Incident Energy (eV)

82-Pb-207

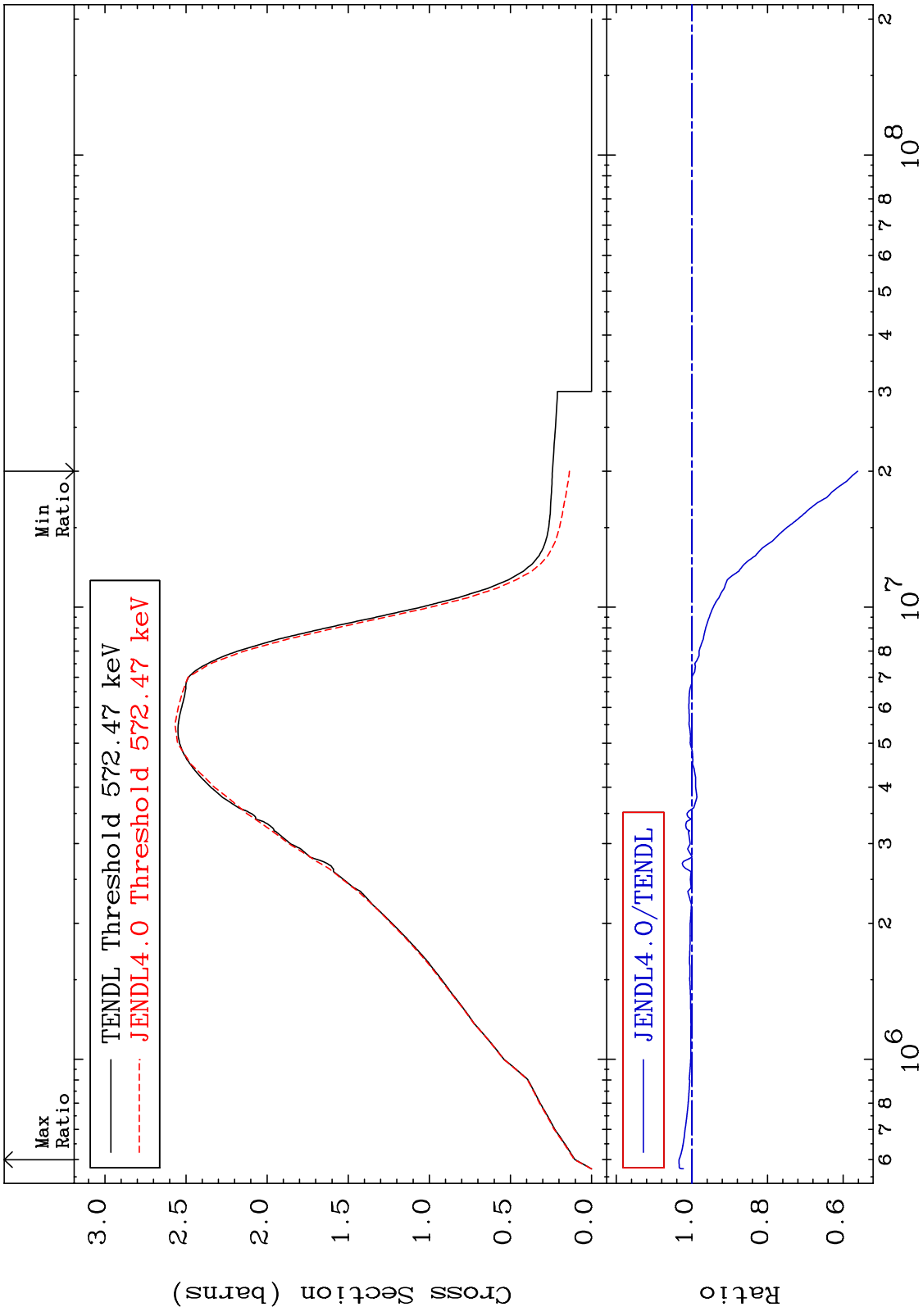
MAT 8234

Elastic  
Cross Section

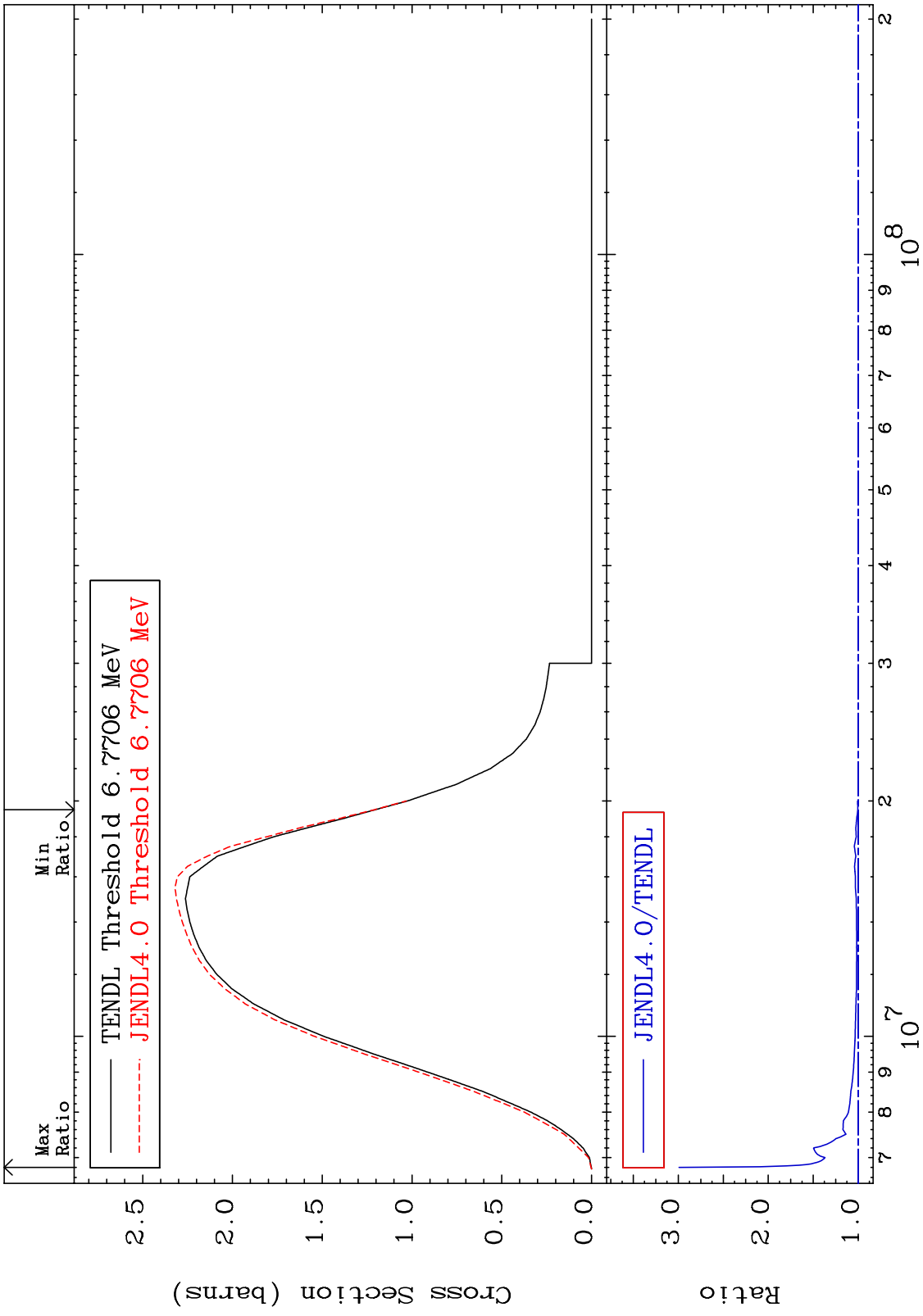
82-Pb-207  
-77.59 To 286.4 %



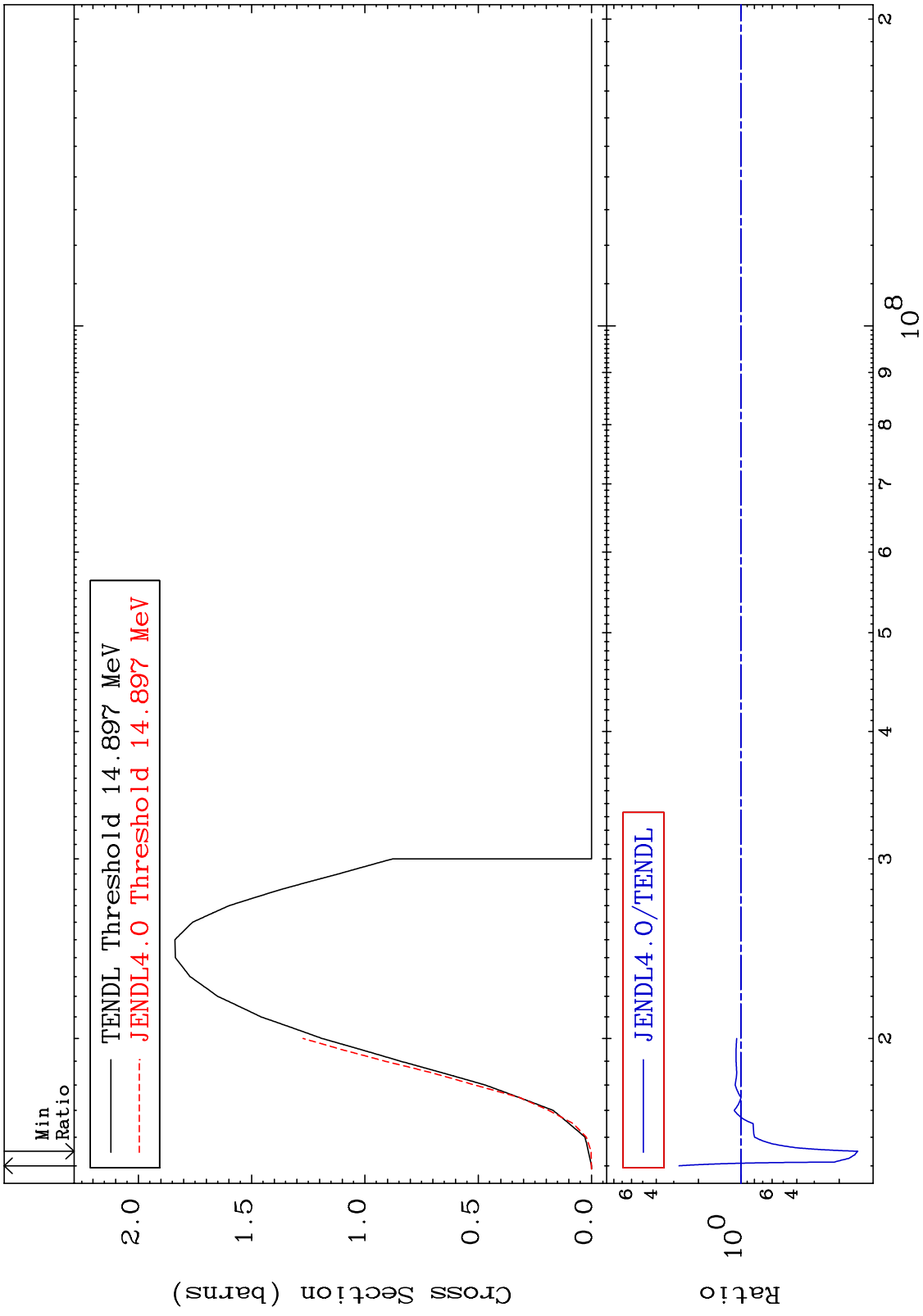
MAT 8234 Inelastic Cross Section 82-Pb-207 -43.86 To 3.418 %



MAT 8234 (n,2n) Cross Section 82-Pb-207  
0.389 To 199.1 %



MAT 8234 (n,3n) Cross Section 82-Pb-207 -85.29 To 175.2 %



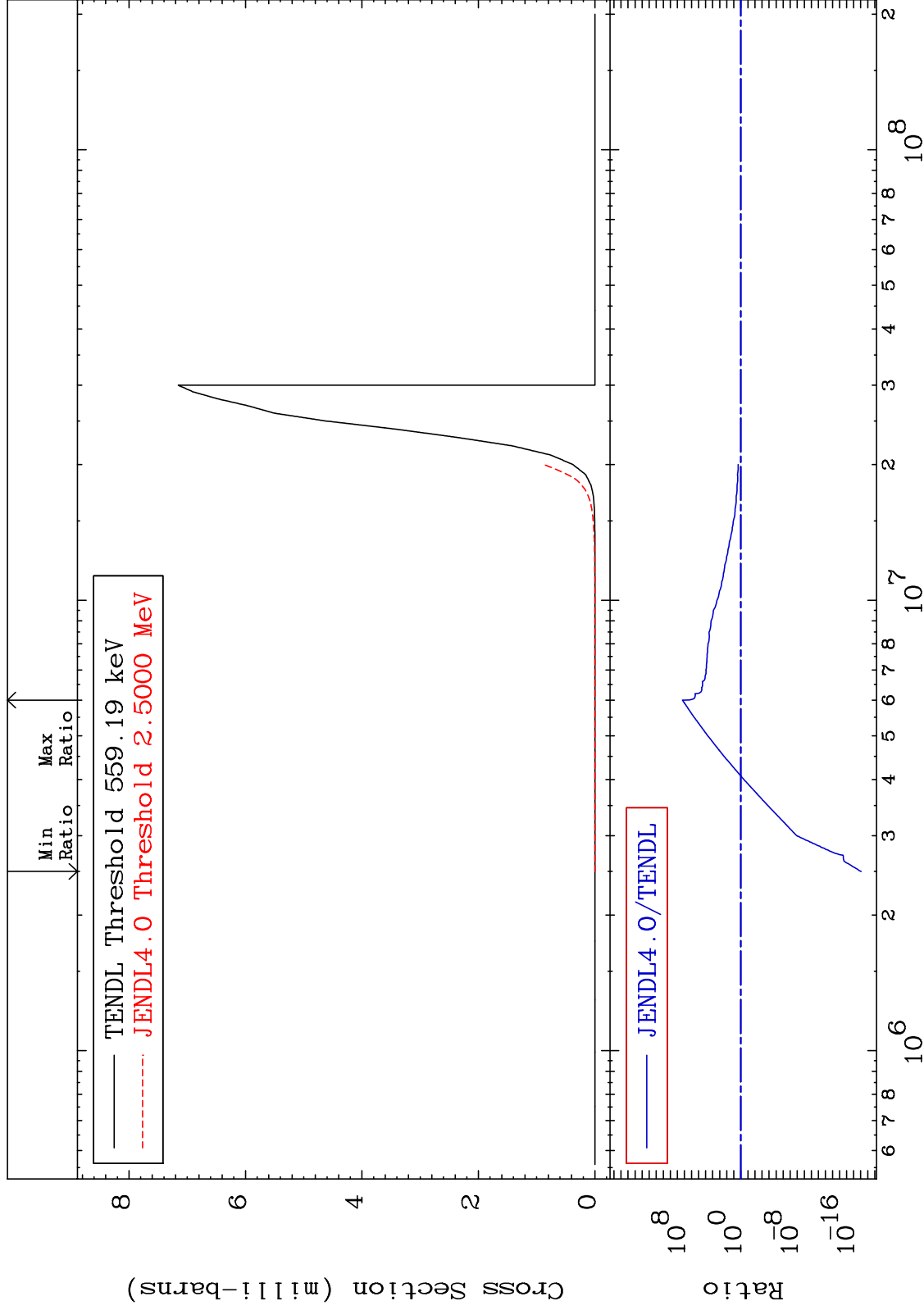
MAT 8234

(n,n')  $\alpha$

82-Pb-207

-100.0 To 9999. %

Cross Section



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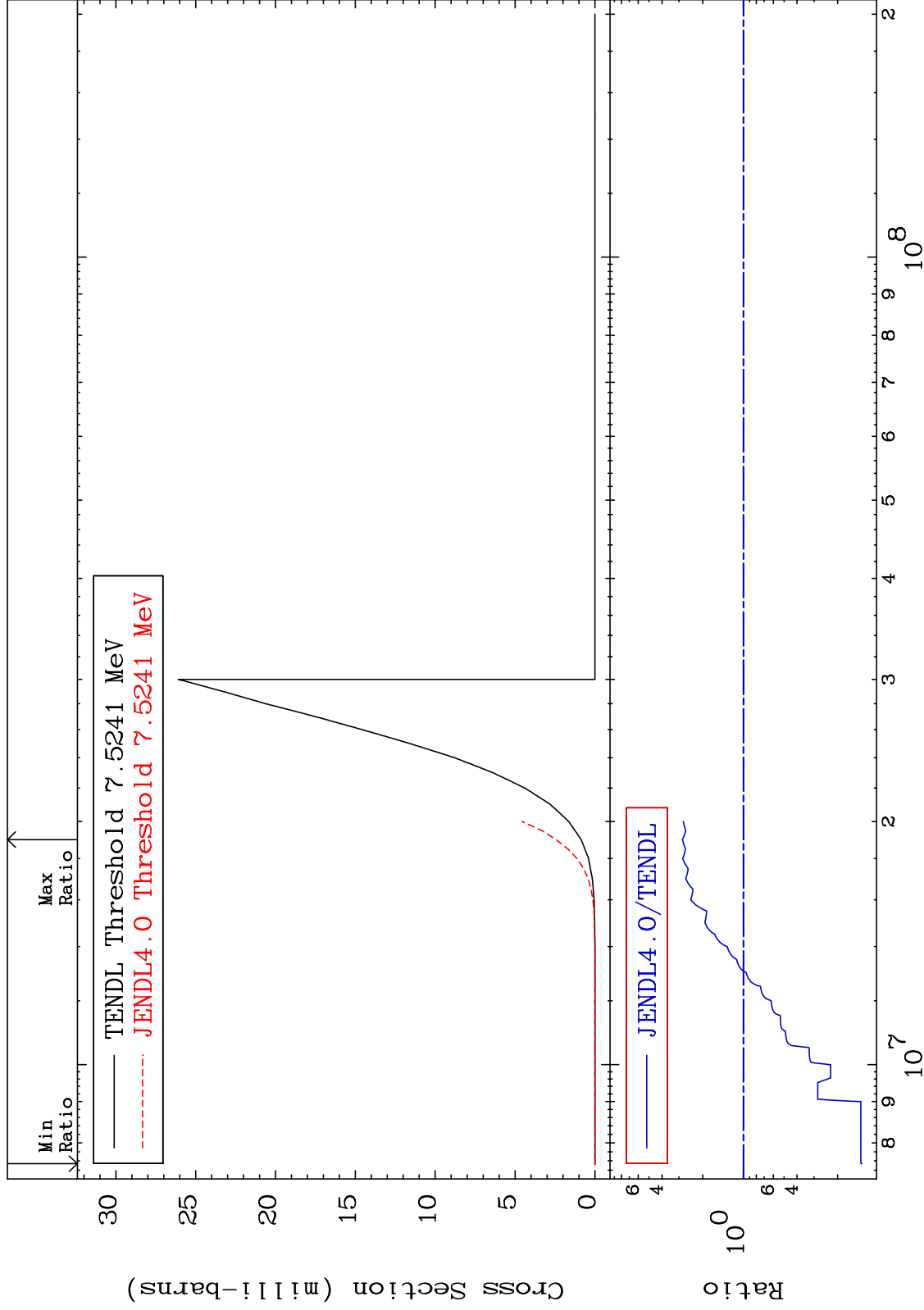
Incident Energy (eV)

82-Pb-207

MAT 8234

(n,n') p  
Cross Section

82-Pb-207  
-86.62 To 182.2 %



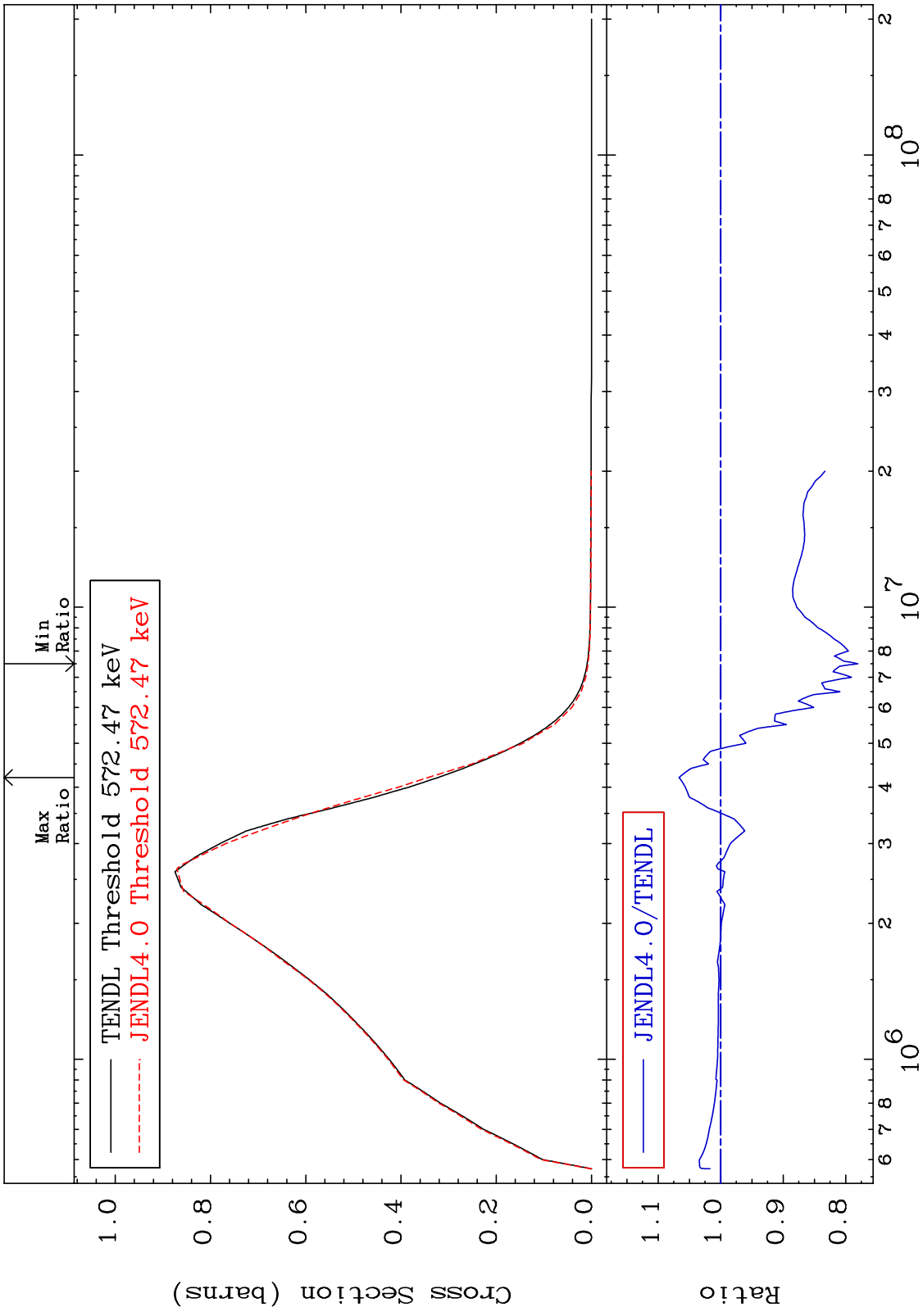
7

Incident Energy (eV)

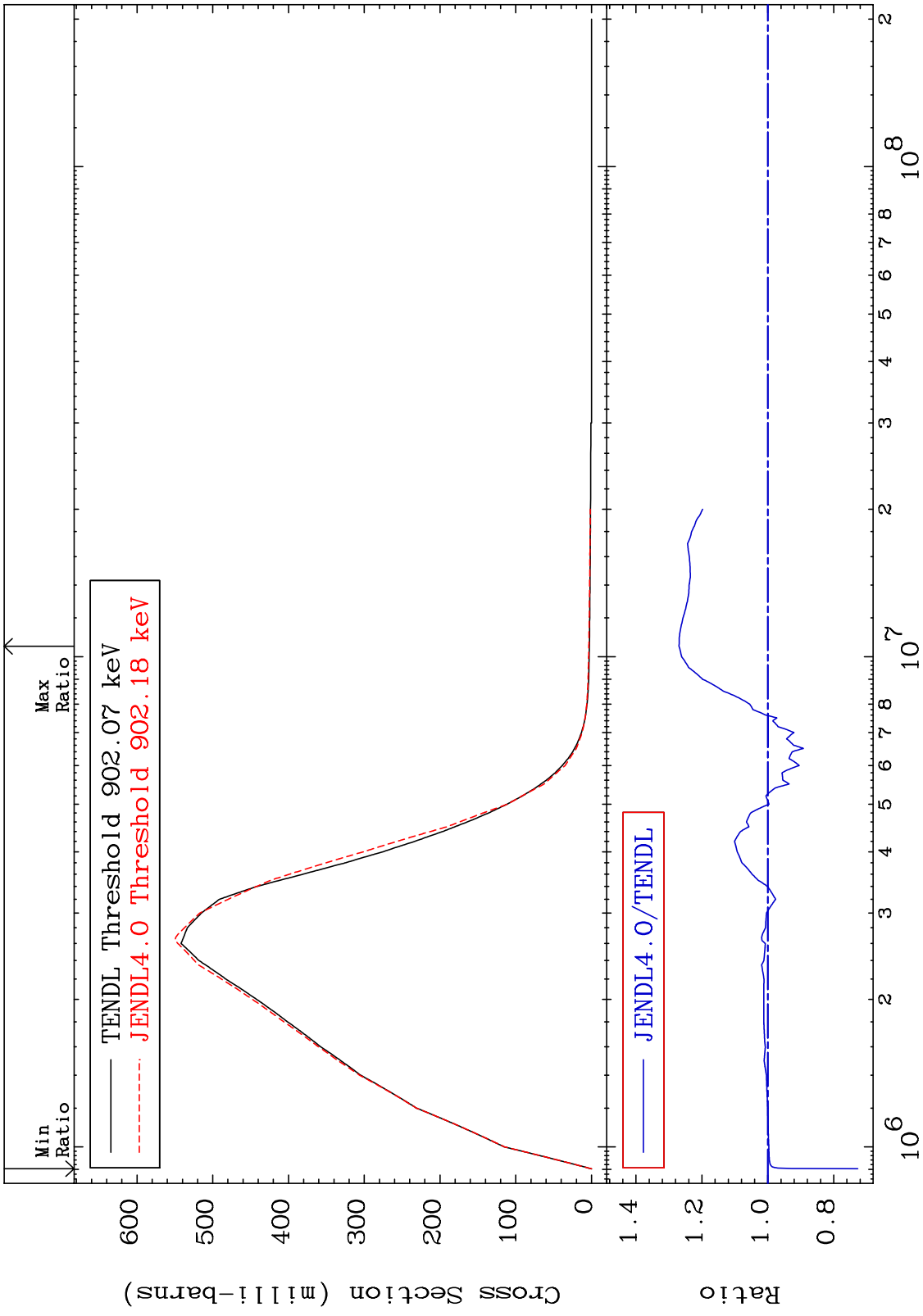
82-Pb-207



MAT 8234 MT= 51 (n,n') Level Cross Section 82-Pb-207  
 -21.94 To 6.663 %



MAT 8234 MT= 52 (n,n') Level Cross Section 82-Pb-207 -27.31 To 26.94 %

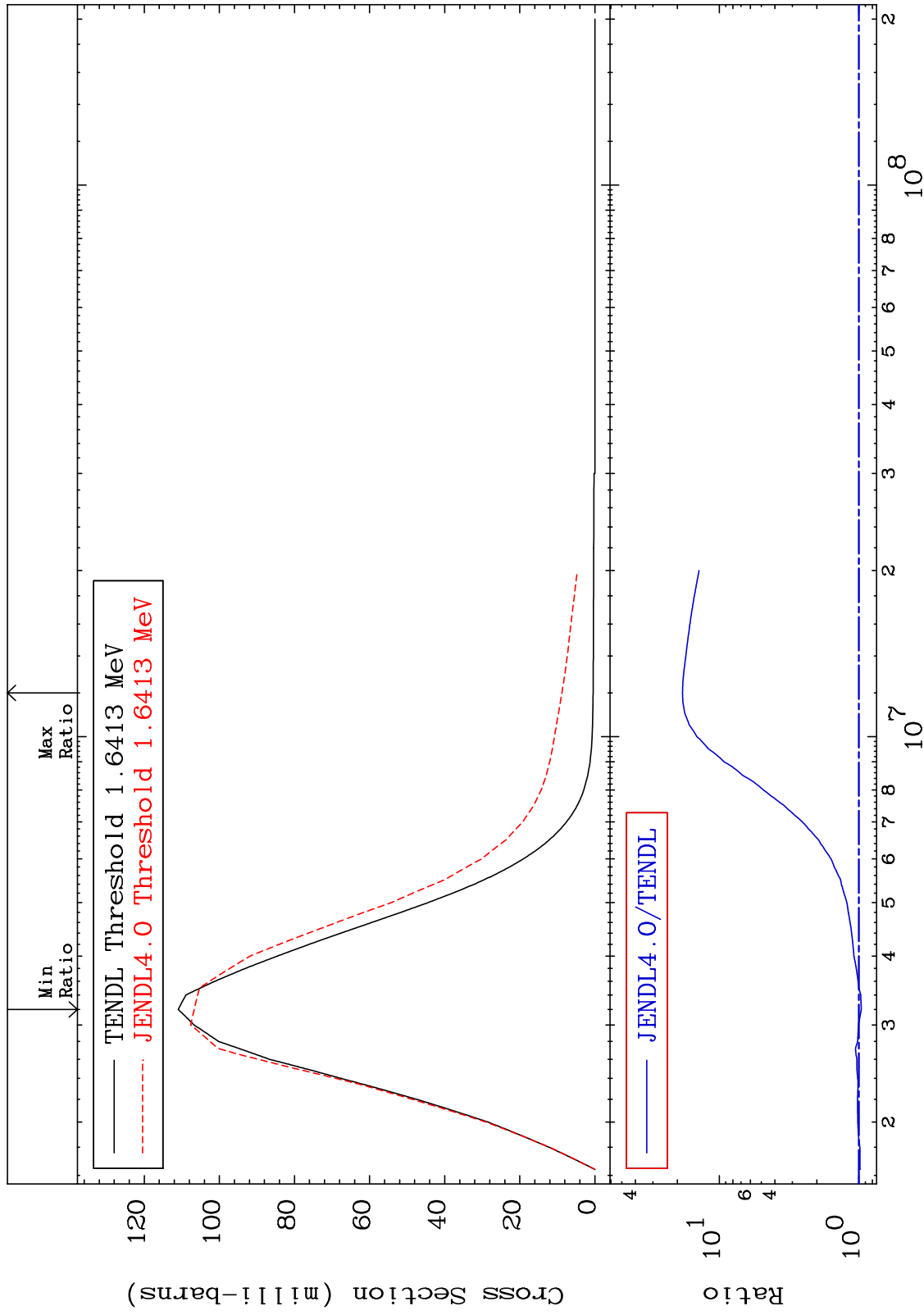


Incident Energy (eV) 82-Pb-207

MAT 8234

MT= 53 (n,n') Level  
Cross Section

82-Pb-207  
-3.827 To 1740. %

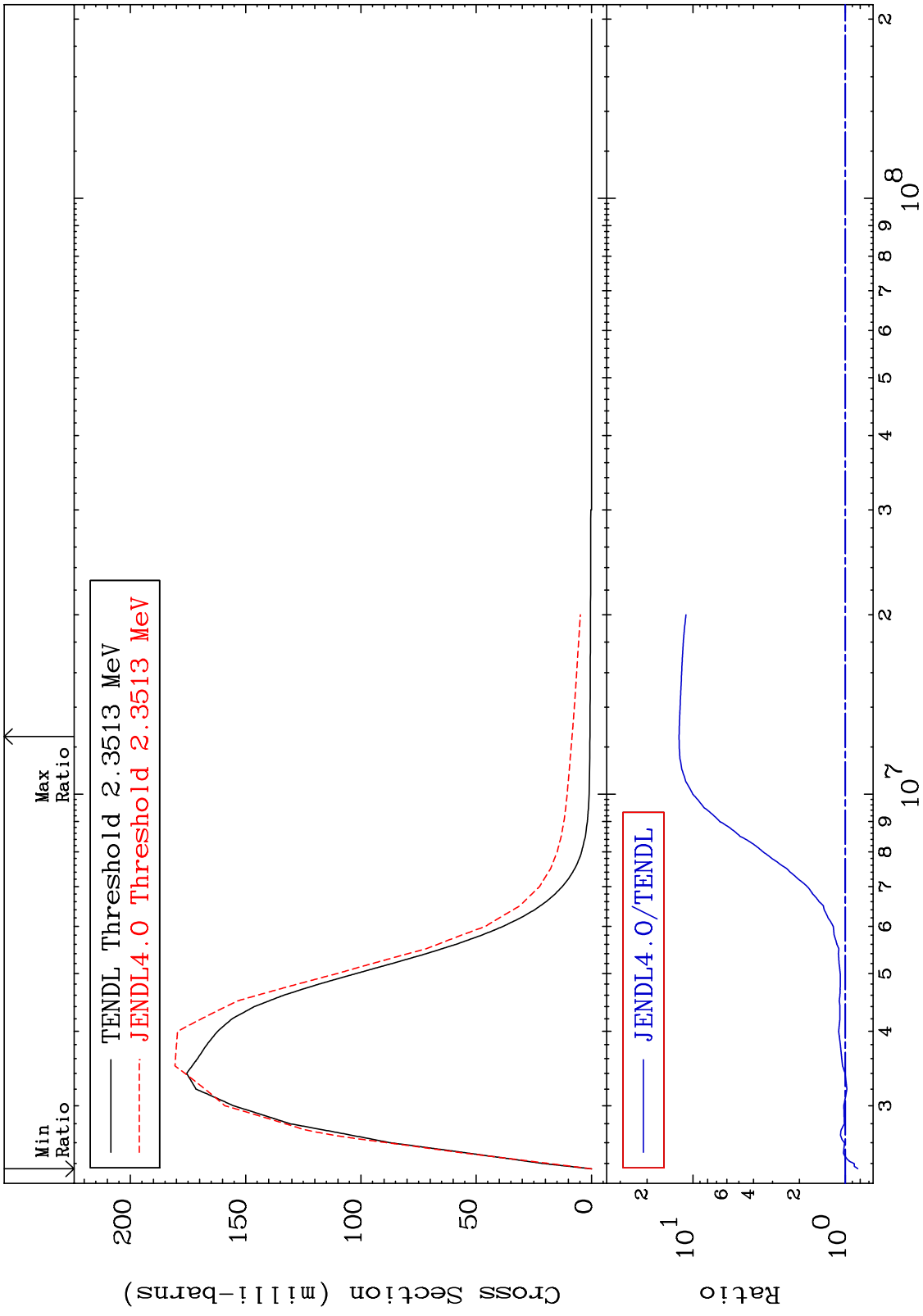


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Incident Energy (eV)

82-Pb-207

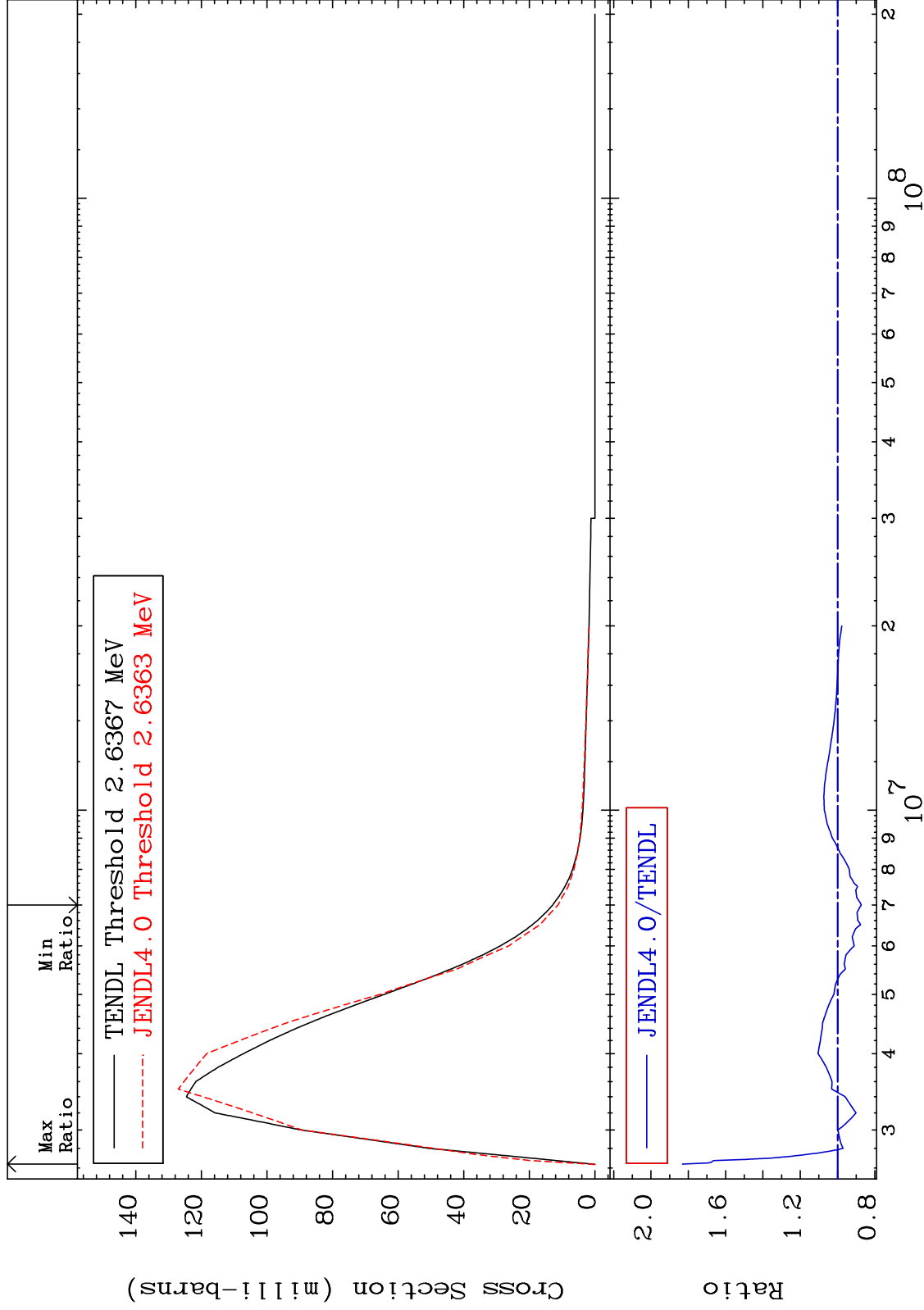
MAT 8234 MT= 54 (n,n') Level Cross Section 82-Pb-207  
 -17.19 To 1134. %



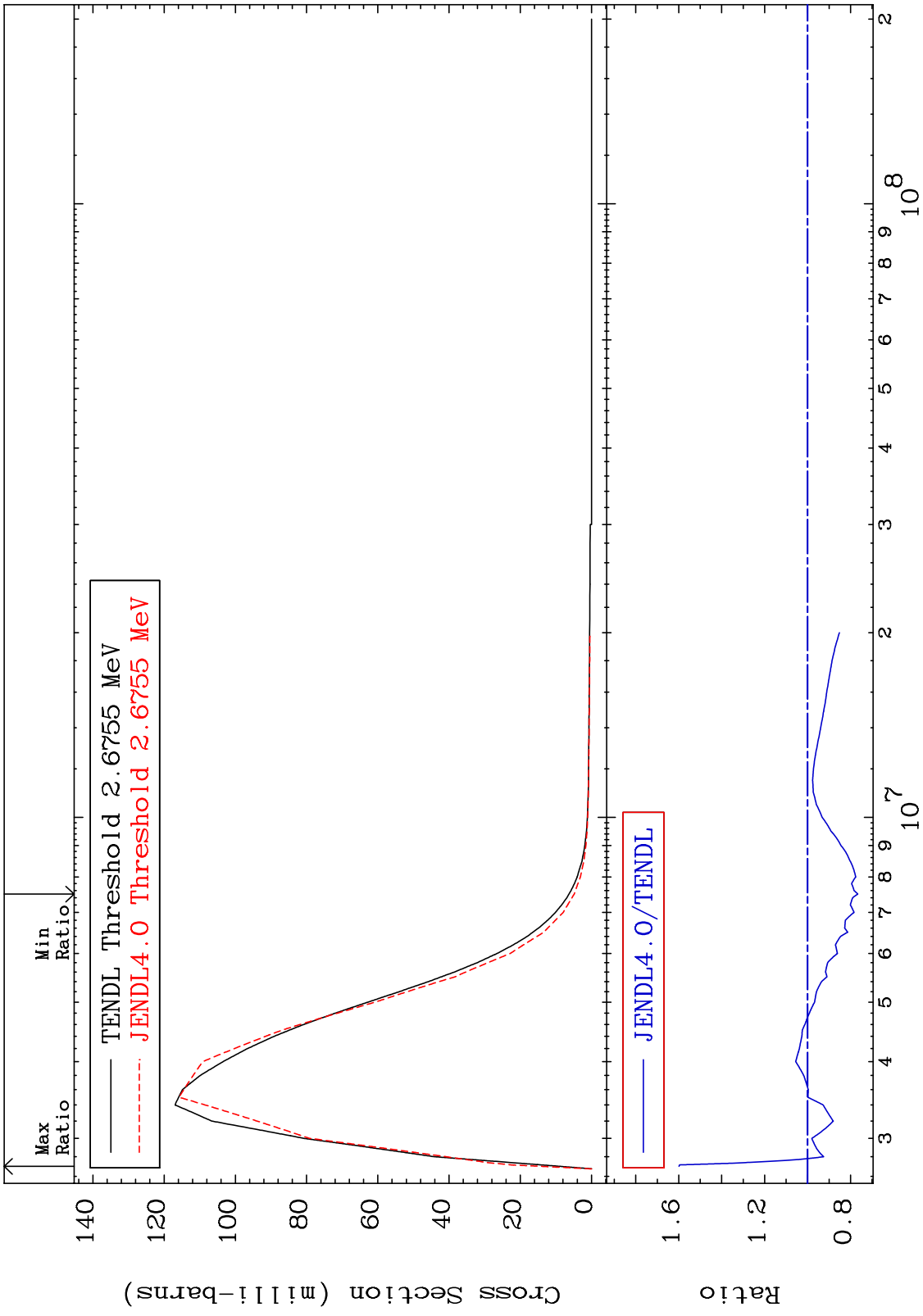
MAT 8234

MT= 55 (n,n') Level  
Cross Section

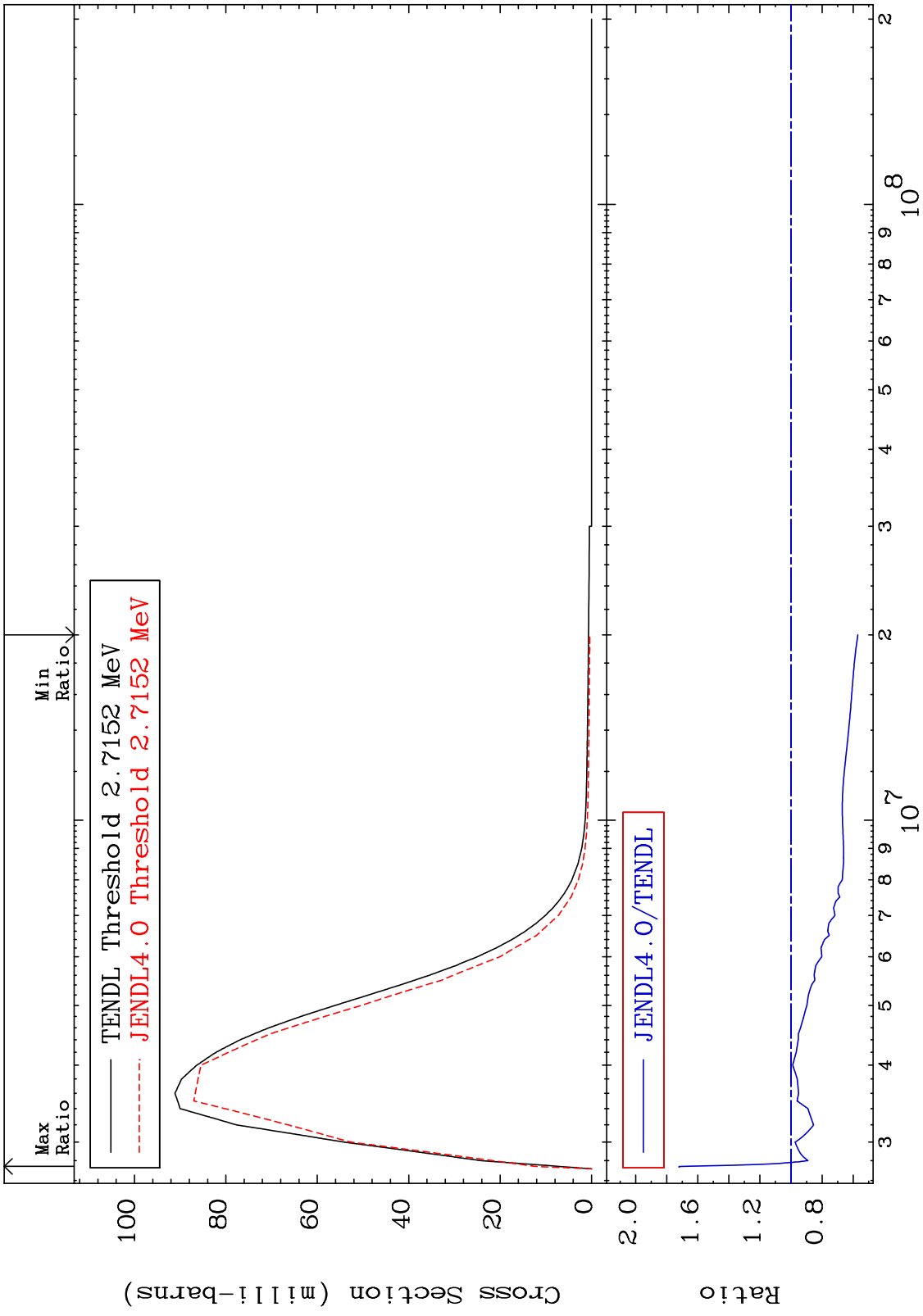
82-Pb-207  
-12.72 To 83.13 %



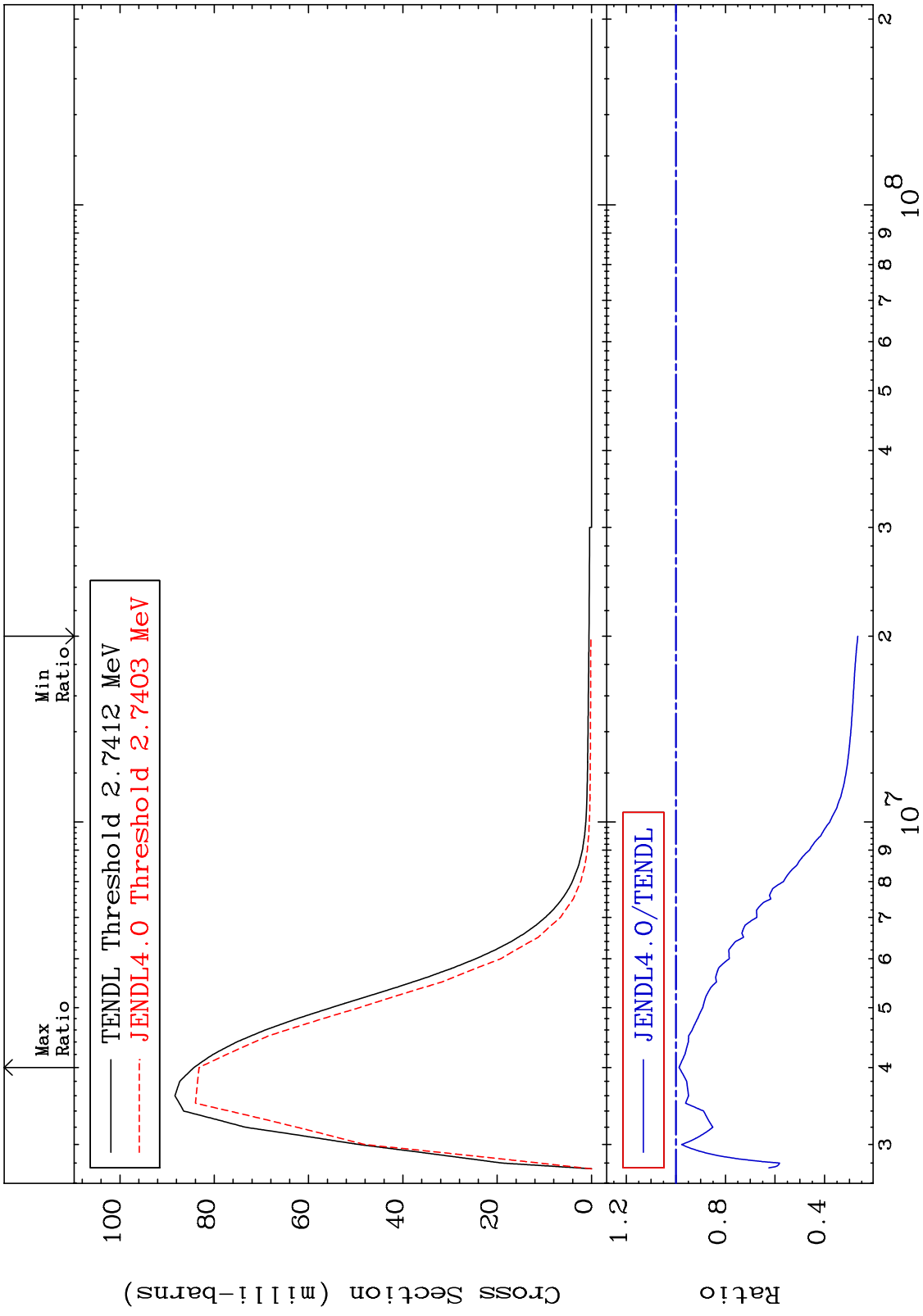
MAT 8234 MT= 56 (n,n') Level Cross Section 82-Pb-207  
 -23.39 To 59.85 %



MAT 8234 MT= 57 (n,n') Level Cross Section 82-Pb-207  
 -43.01 To 72.06 %



MAT 8234 MT= 58 (n,n') Level Cross Section 82-Pb-207  
 -73.40 To -1.275%

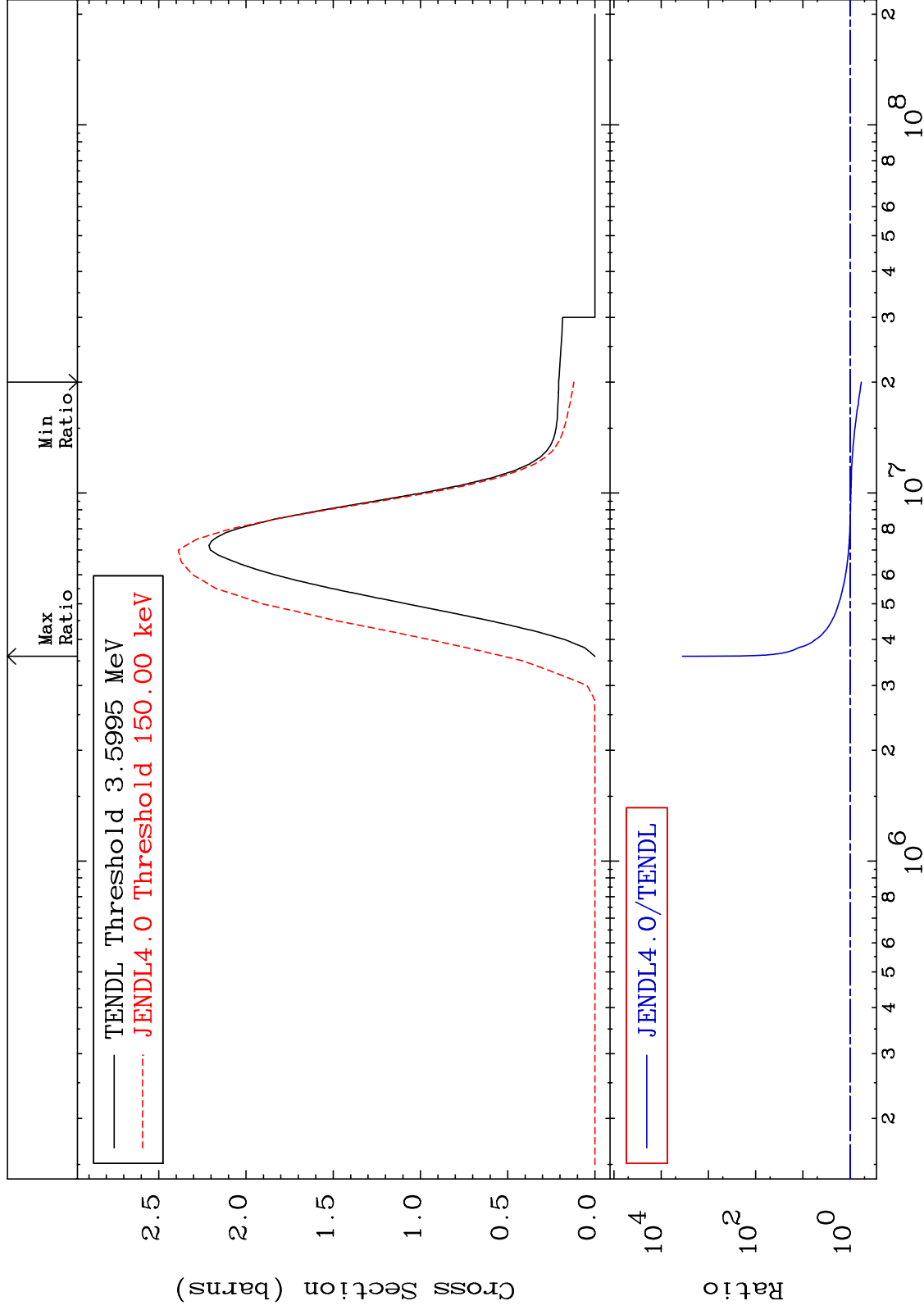




MAT 8234

(n, n') Continuum  
Cross Section

82-Pb-207  
-41.77 To 9999. %



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Incident Energy (eV)

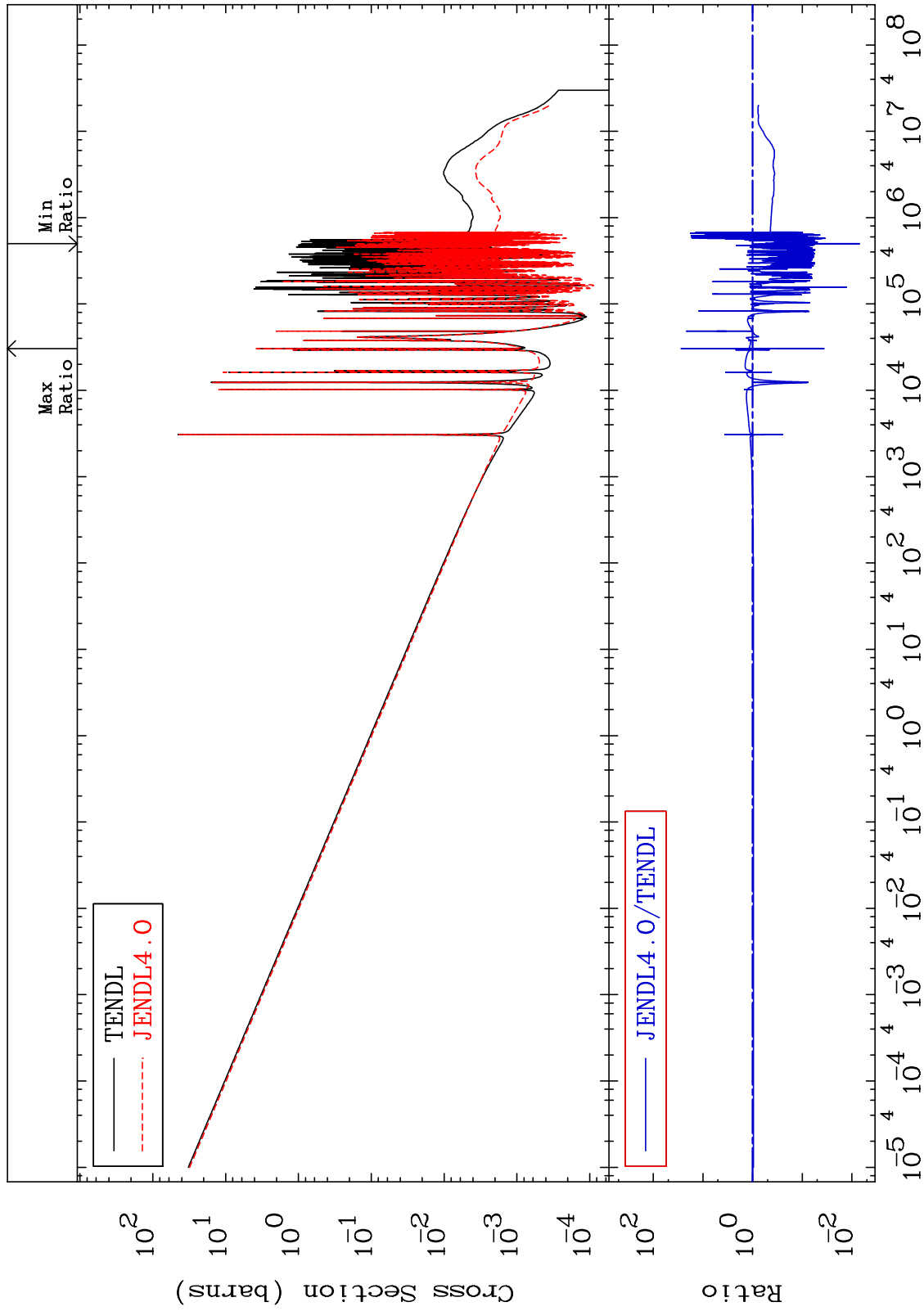
82-Pb-207

MAT 8234

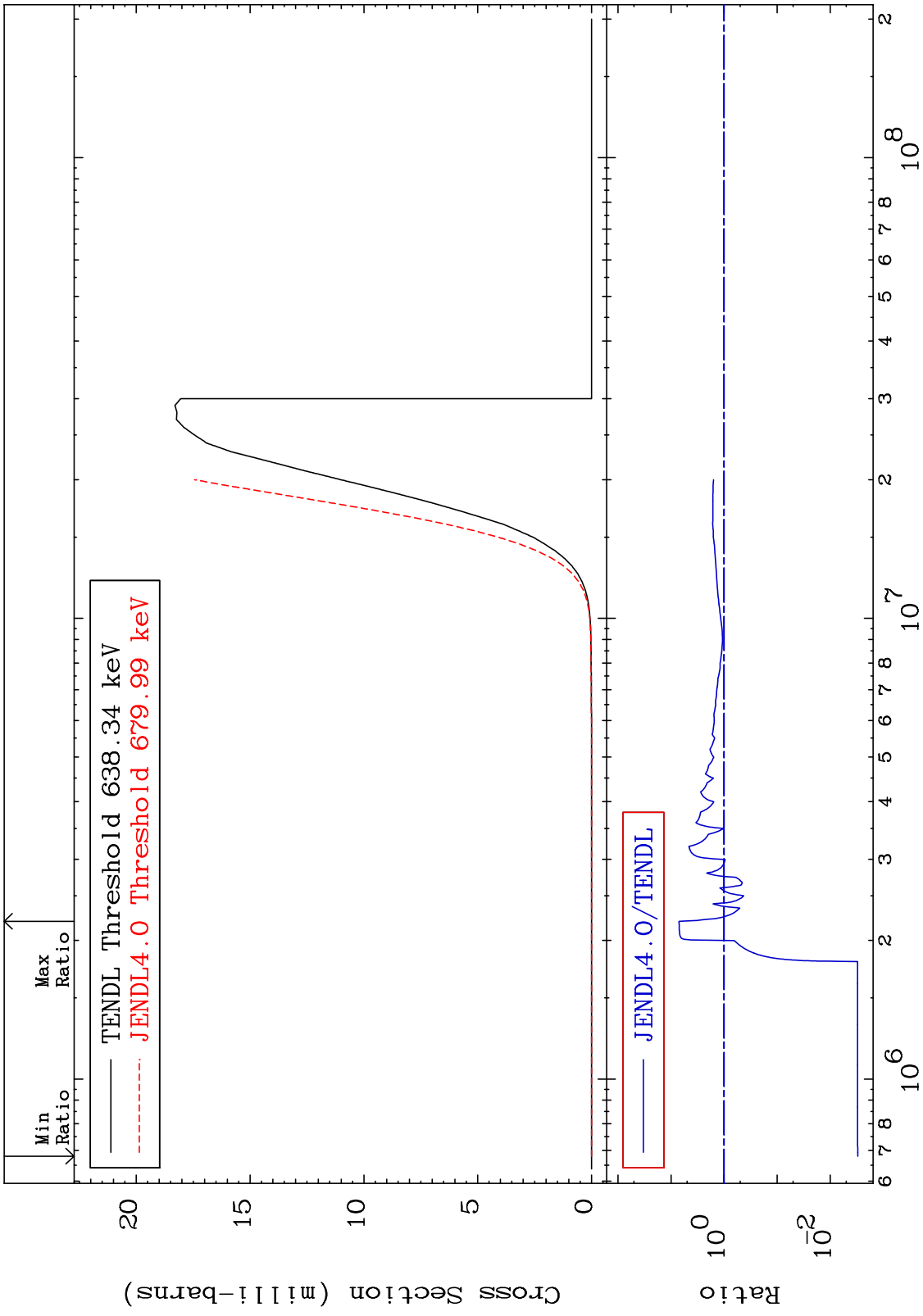
(n,  $\gamma$ )

82-Pb-207  
-99.31 To 2632. %

Cross Section



MAT 8234 (n,p) Cross Section 82-Pb-207 -99.70 To 605.9 %



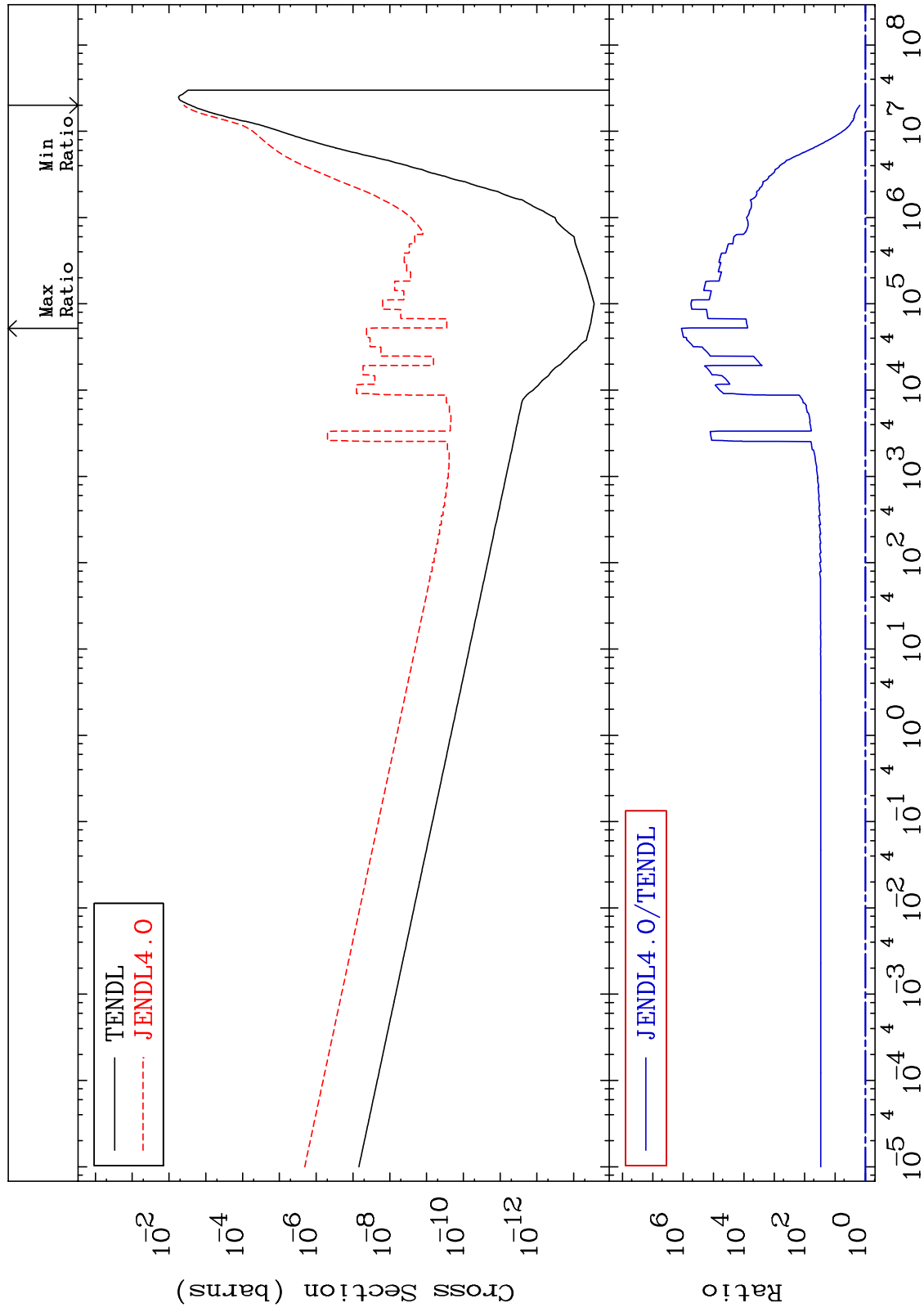
MAT 8234

(n,  $\alpha$ )

82-Pb-207

Cross Section

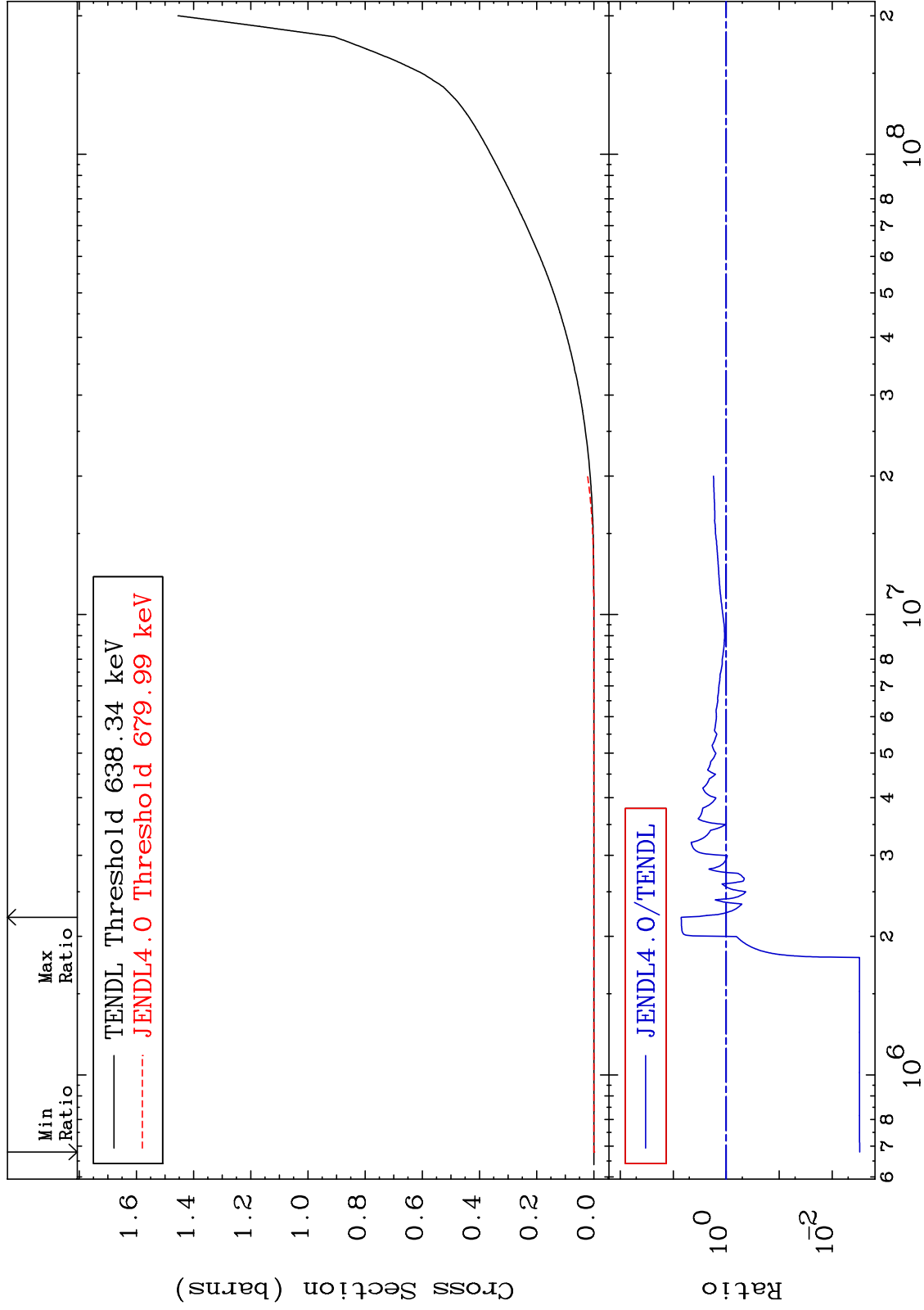
52.70 To 9999. %



MAT 8234

Hydrogen Production  
Cross Section

82-Pb-207  
-99.70 To 605.8 %



20

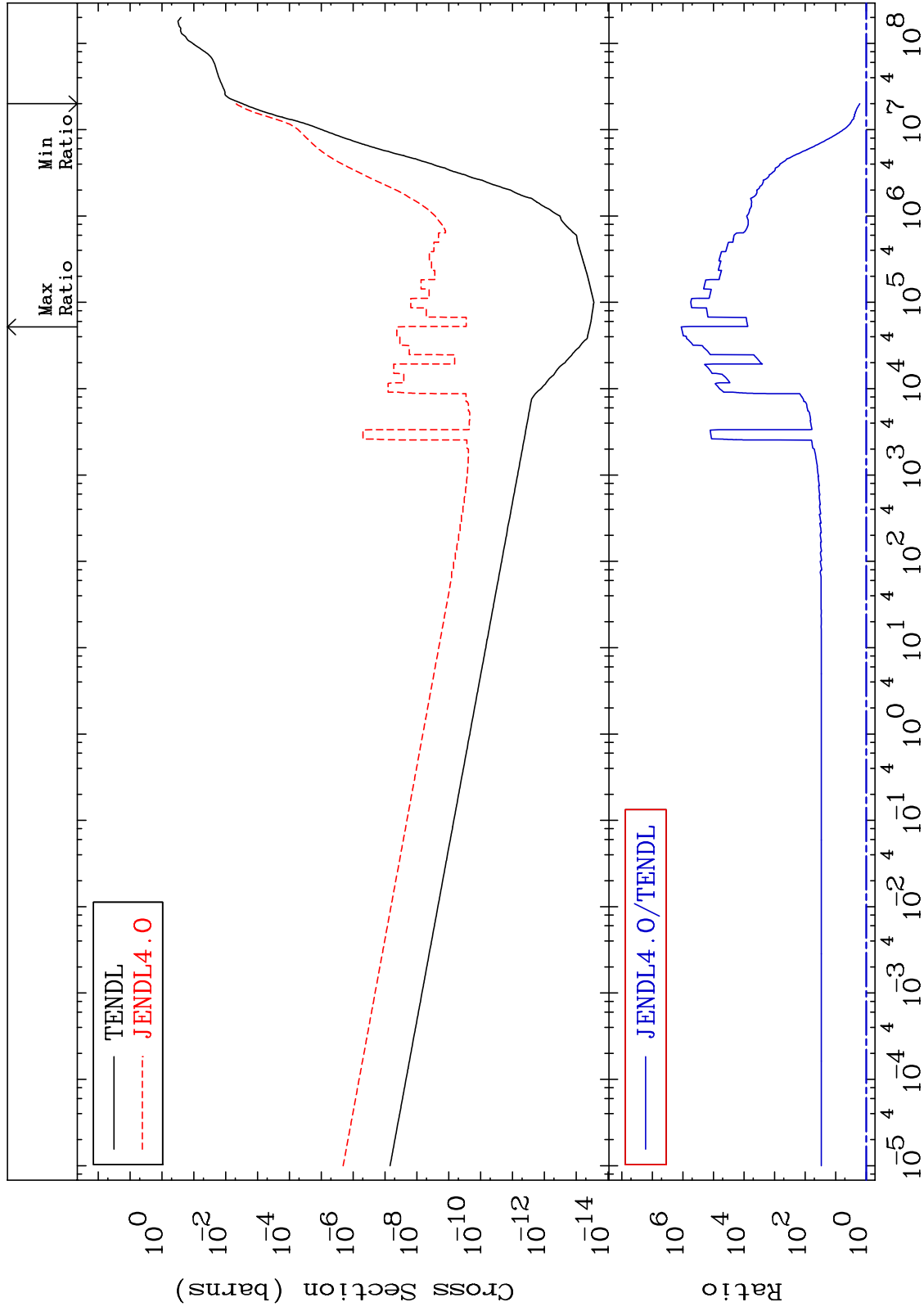
Incident Energy (eV)

82-Pb-207

MAT 8234

He-4 Production  
Cross Section

82-Pb-207  
63.16 To 9999. %

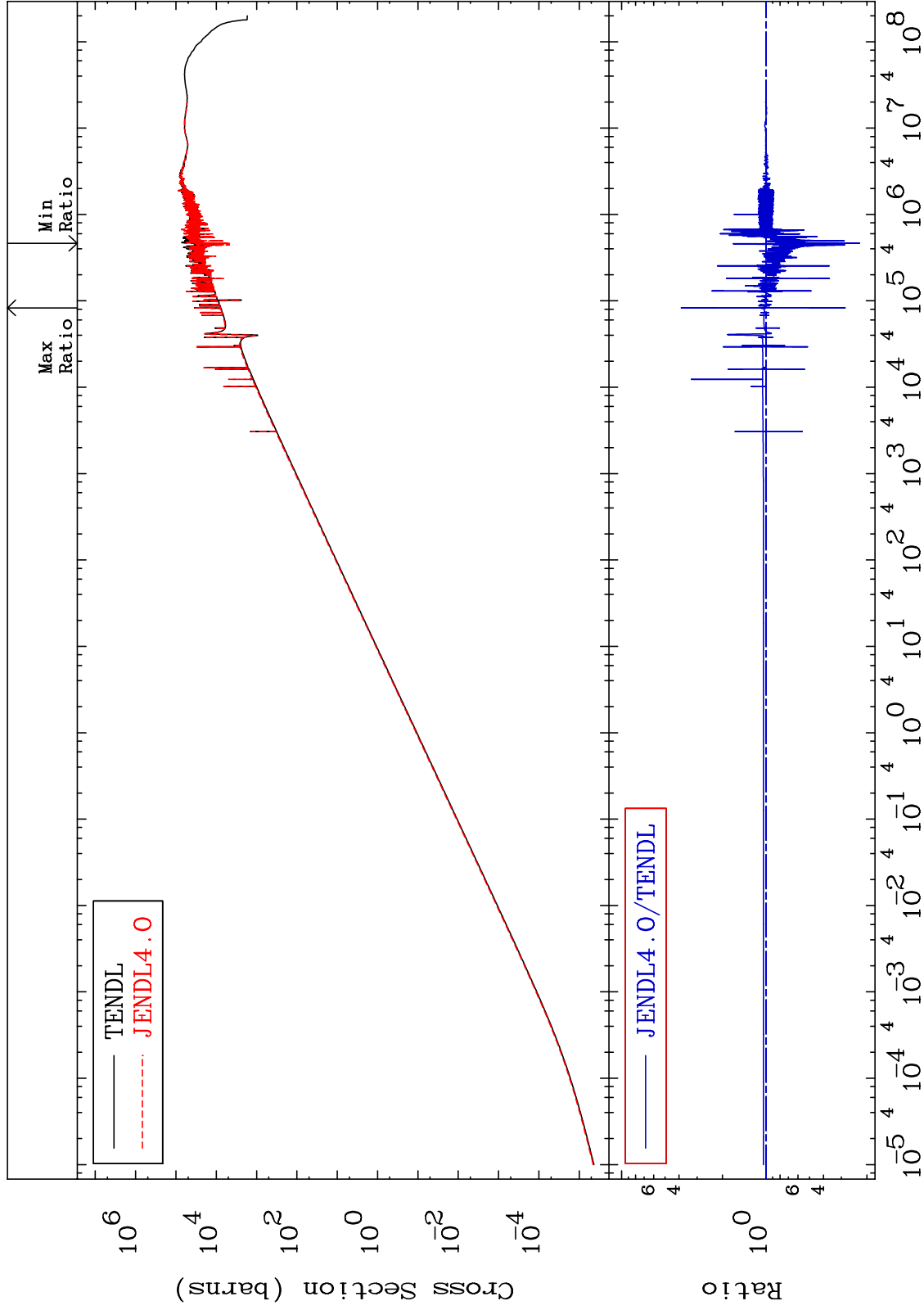




MAT 8234

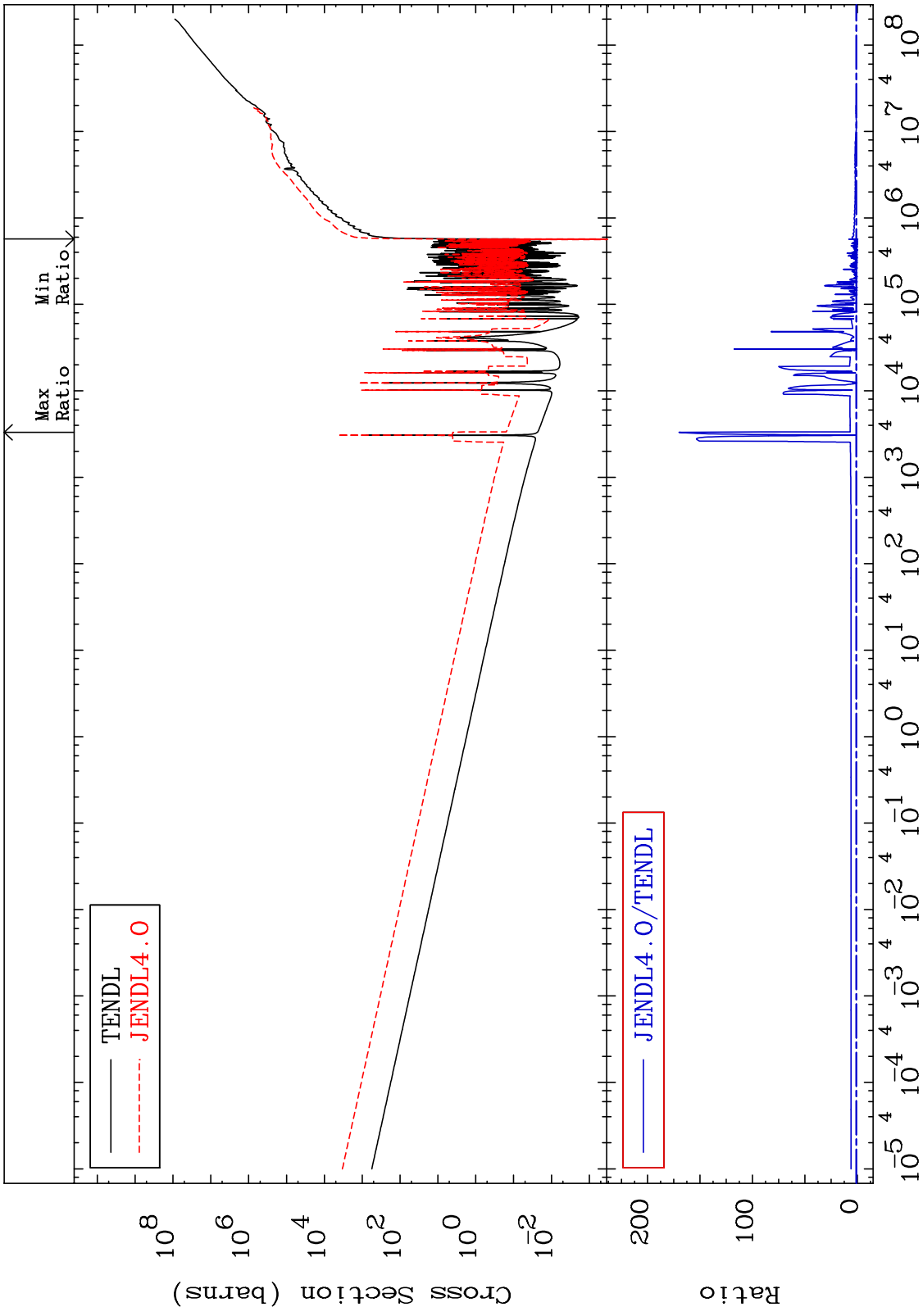
Kerma elastic  
Cross Section

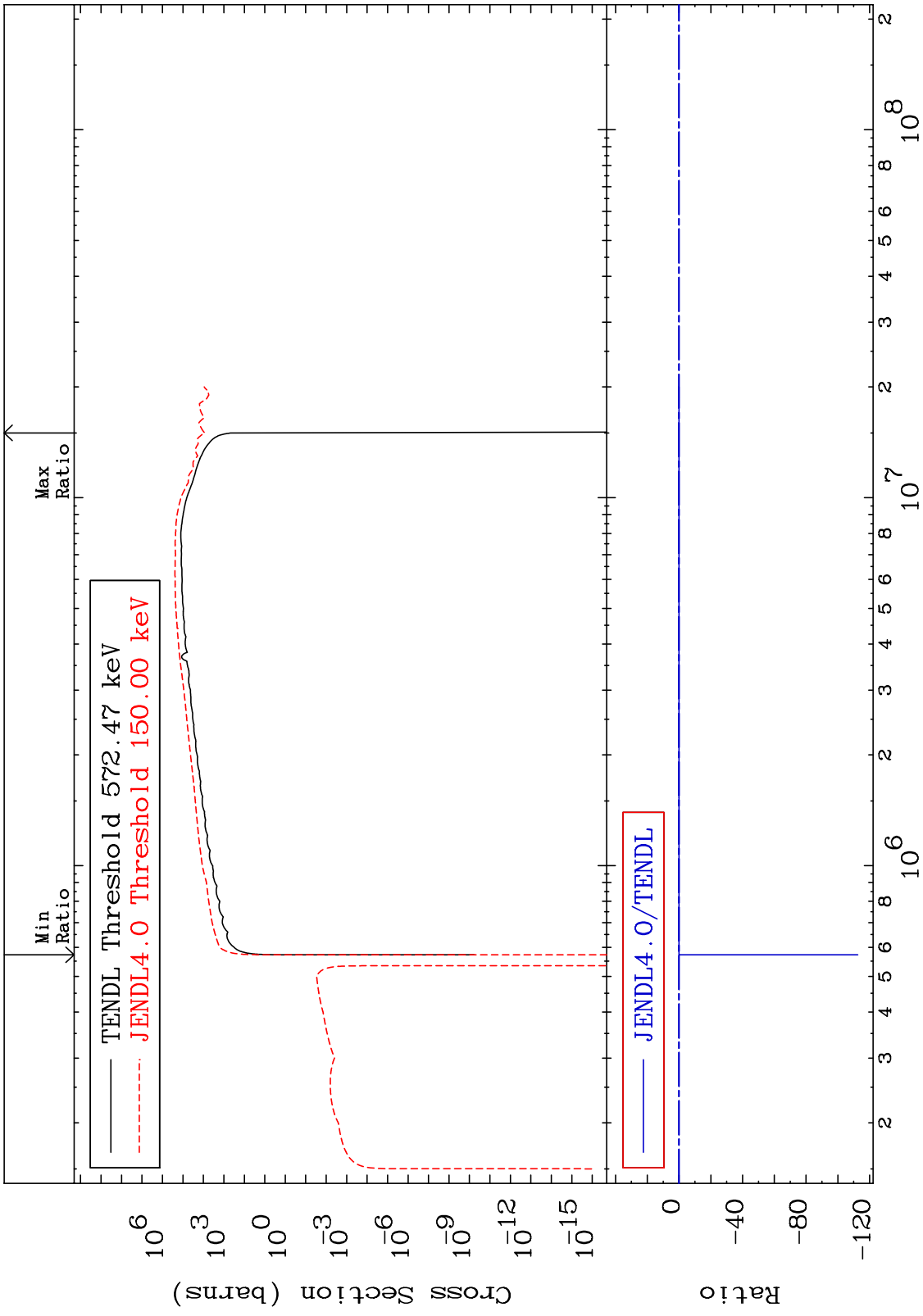
82-Pb-207  
-77.60 To 286.5 %





MAT 8234 Kerma non-elastic (all but mt2) 82-Pb-207  
 Cross Section -144.8 To 9999. %

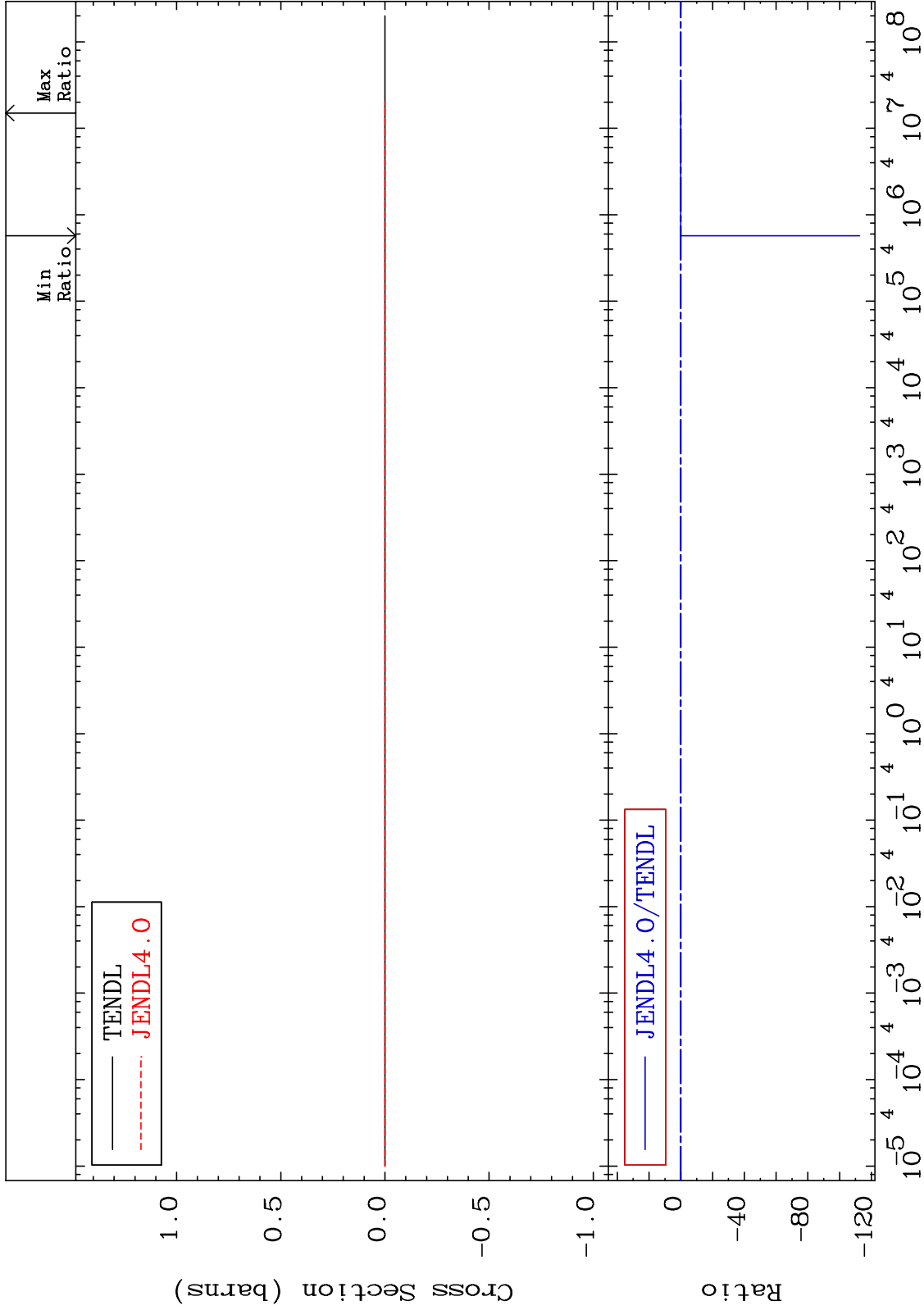




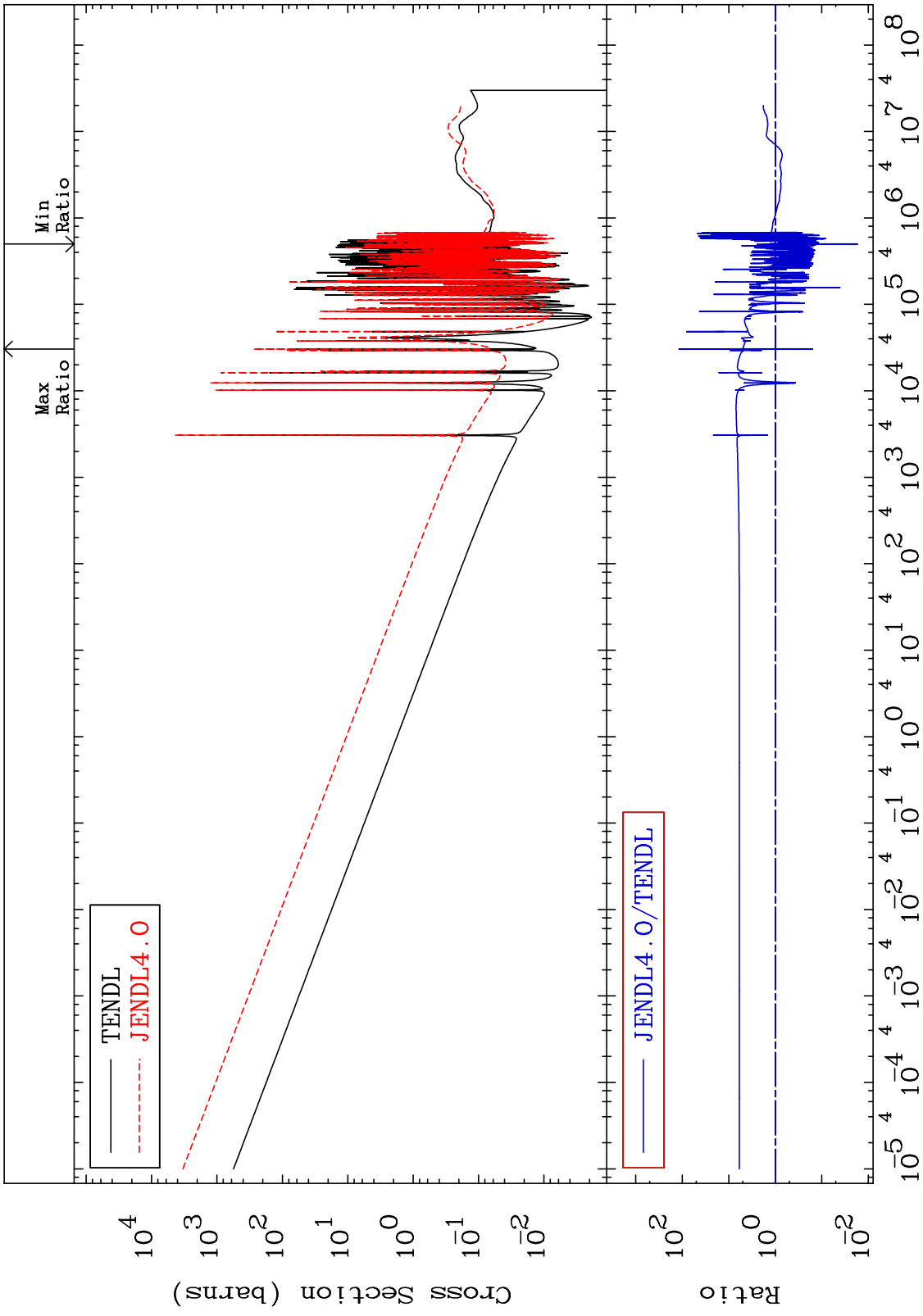
MAT 8234

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

82-Pb-207  
-9999. To 2025. %



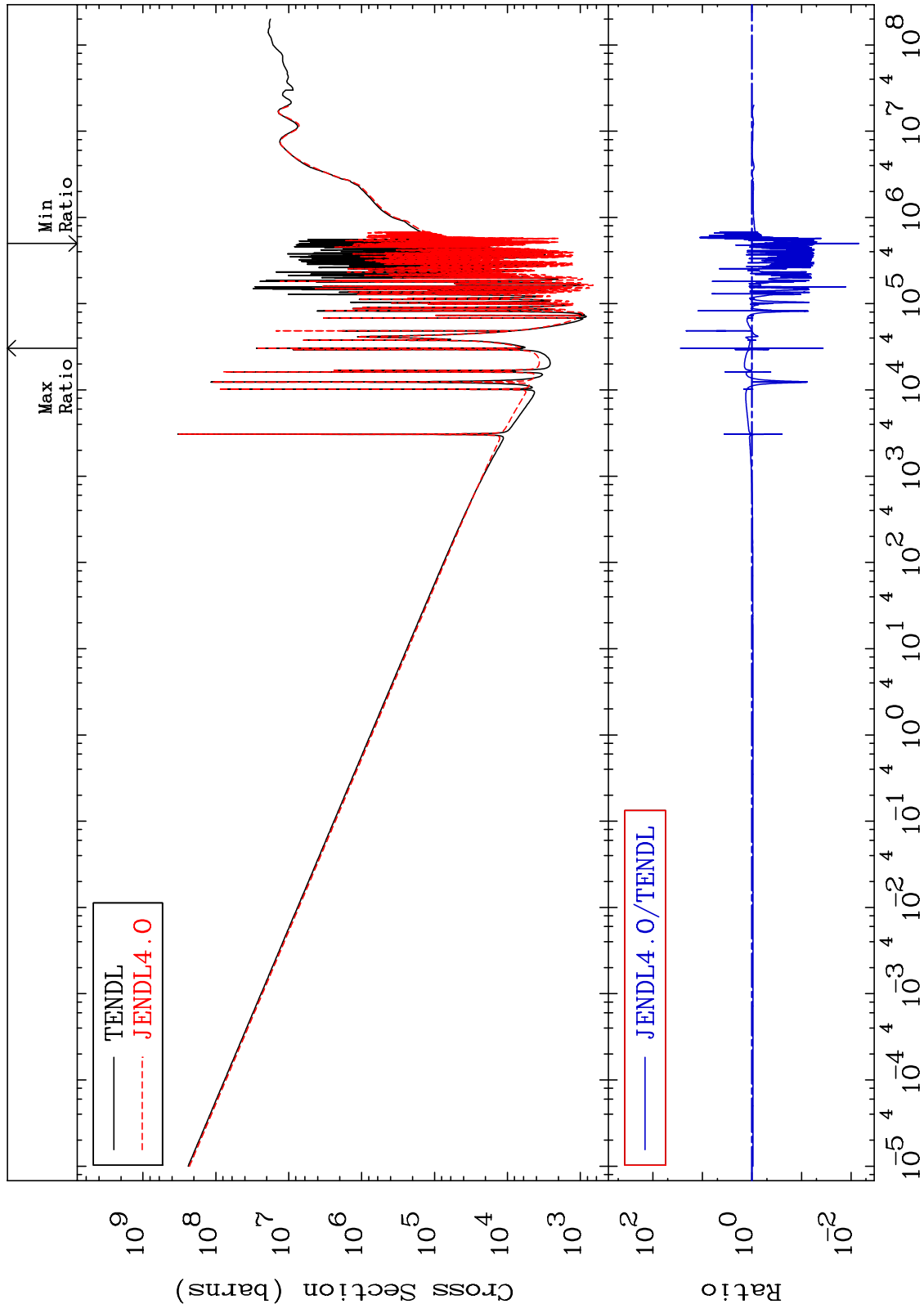
MAT 8234      Kerma capture (mt102)      82-Pb-207  
 Cross Section      -98.32 To 9999. %



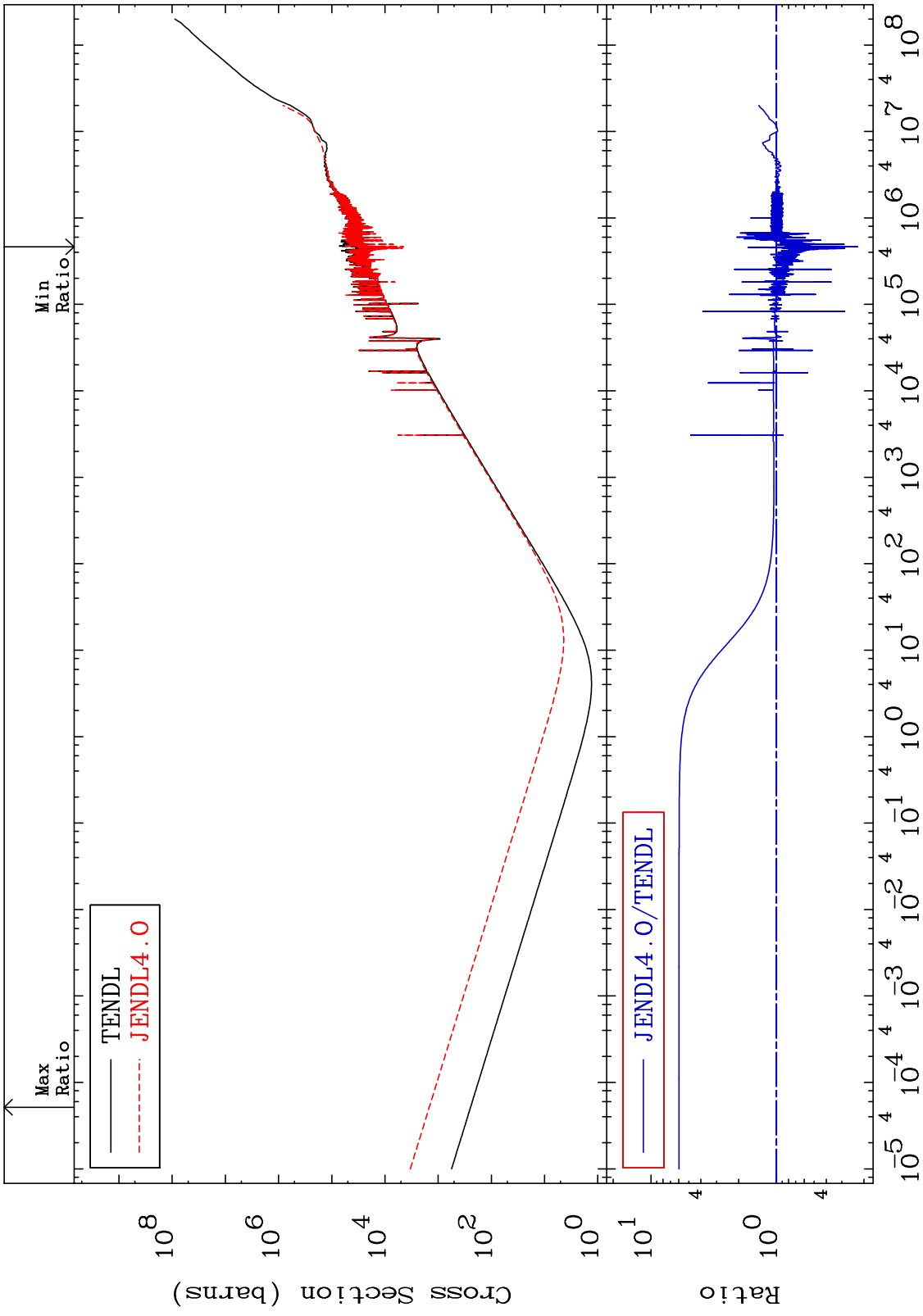
MAT 8234

Total photon (eV-barns)  
Cross Section

82-Pb-207  
-99.31 To 2654. %



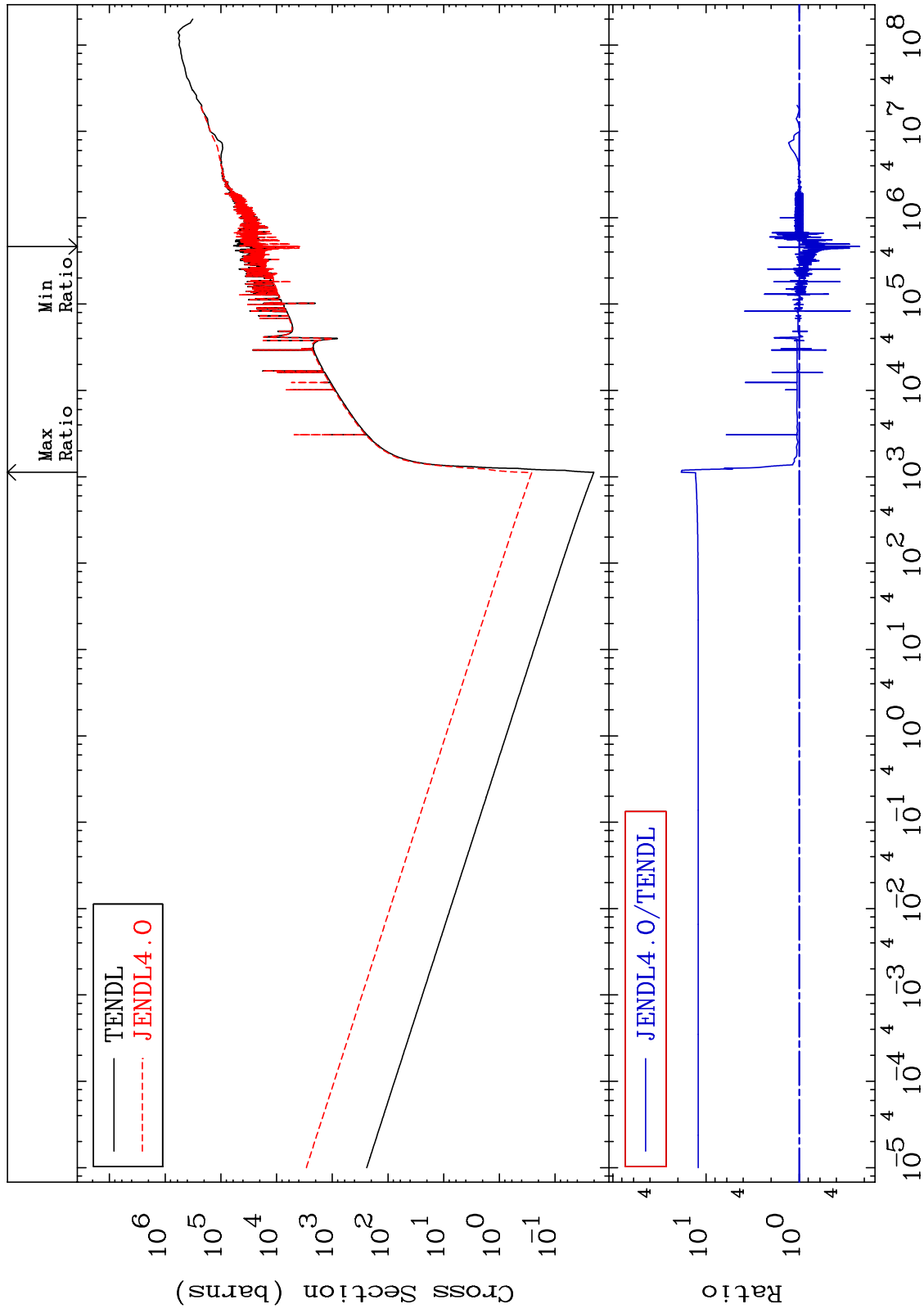
MAT 8234 Total kinematic kerma (high limit) 82-Pb-207  
Cross Section -77.60 To 497.2 %



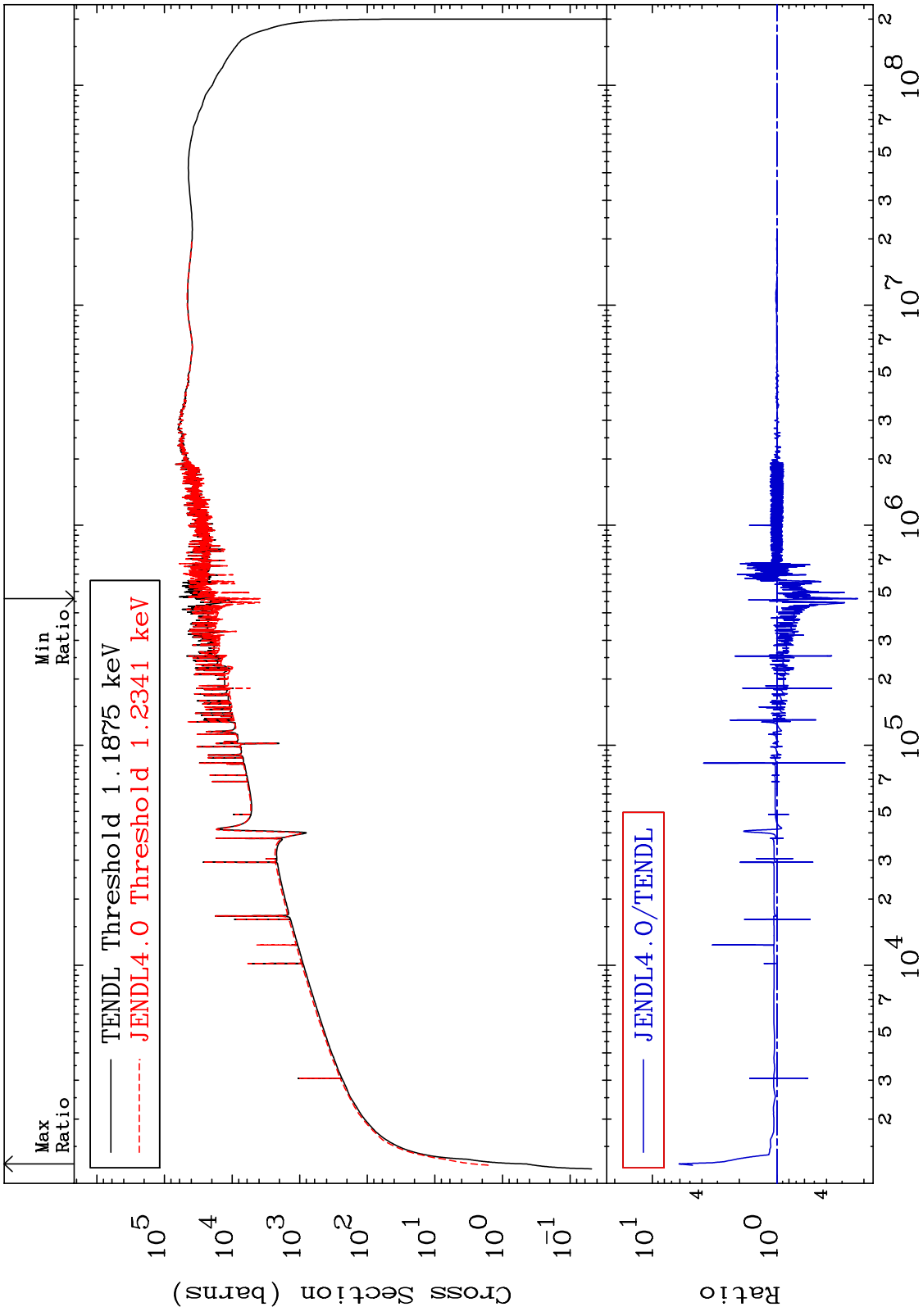
MAT 8234

Dpa total (eV-barns)  
Cross Section

82-Pb-207  
-77.60 To 1744. %



MAT 8234      Dpa elastic (mt2)      82-Pb-207  
Cross Section      -77.60 To 509.9 %

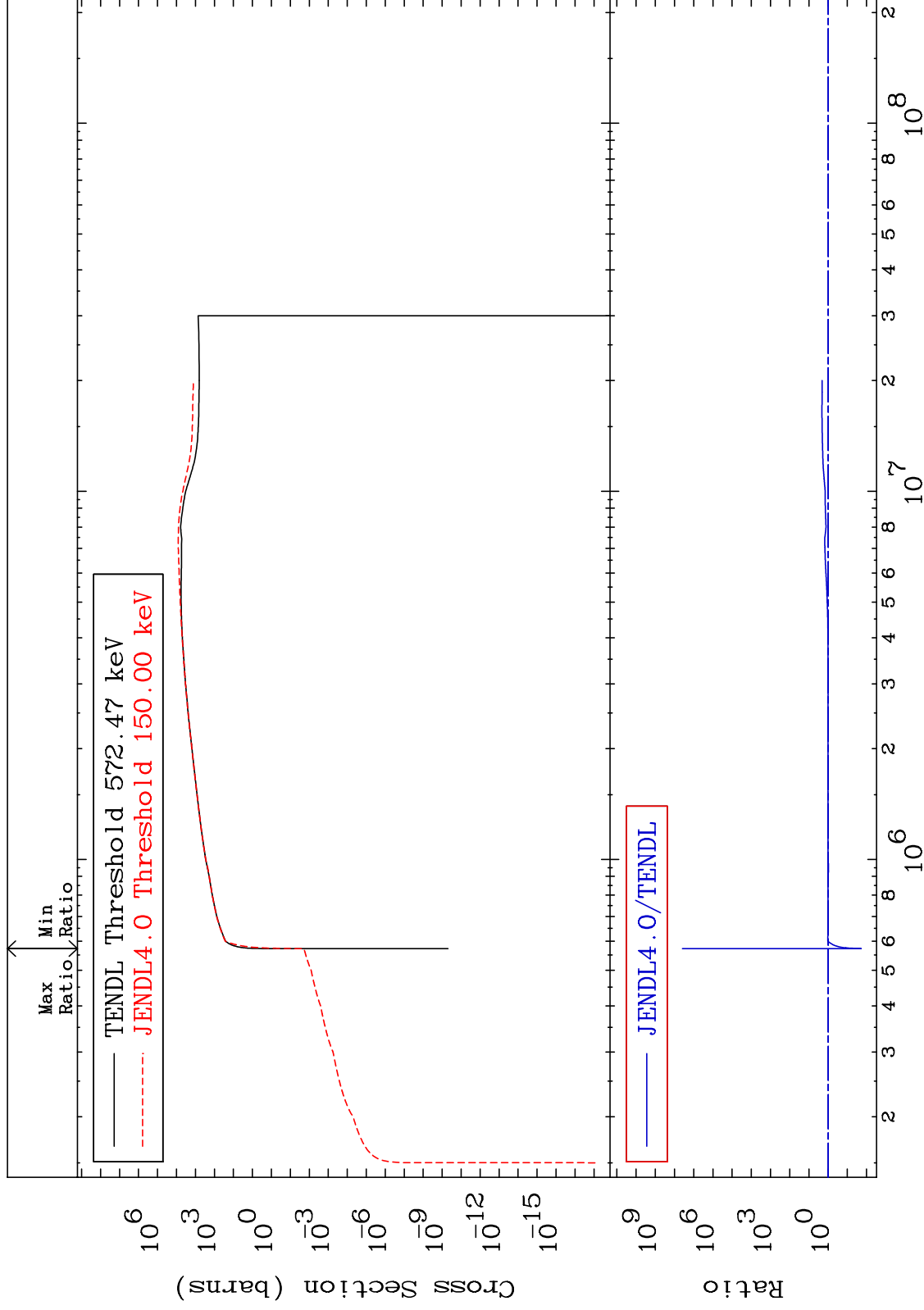




MAT 8234

Dpa inelastic (mt51-91)  
Cross Section

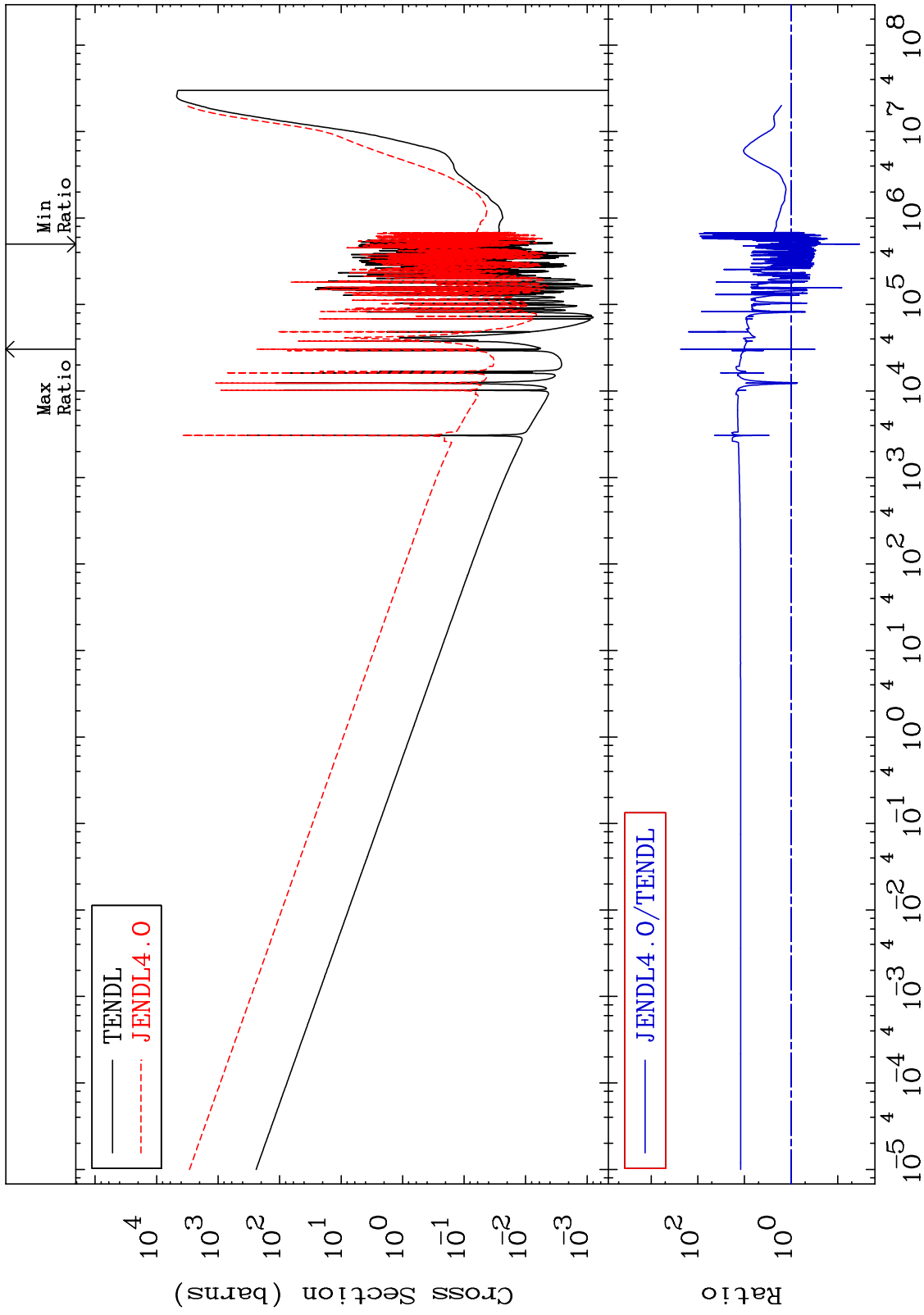
82-Pb-207  
-98.12 To 9999. %



MAT 8234

Dpa disappearance (mt102 -120)  
Cross Section

82-Pb-207  
-96.61 To 9999. %



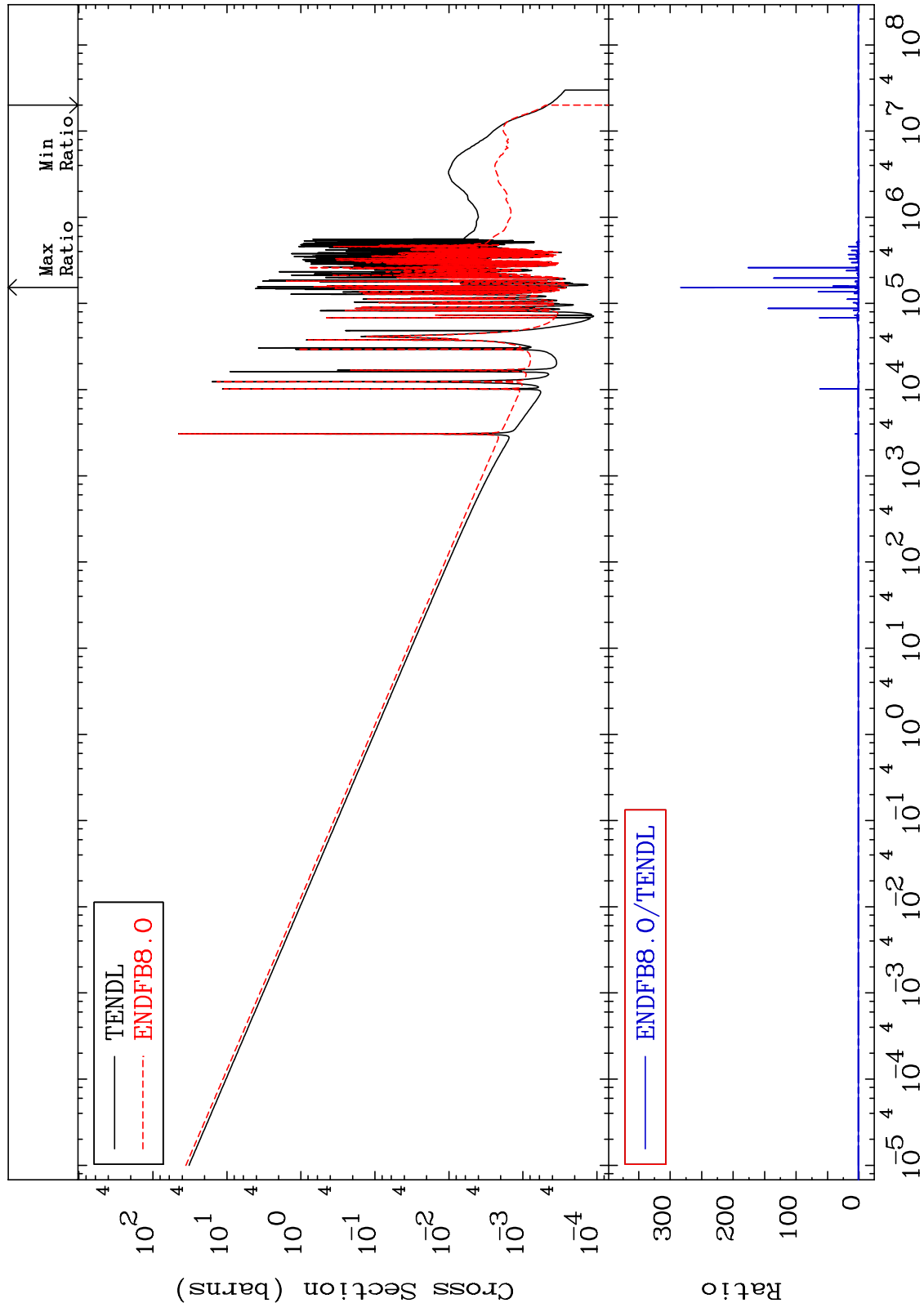
MAT 8234

(n,  $\gamma$ )

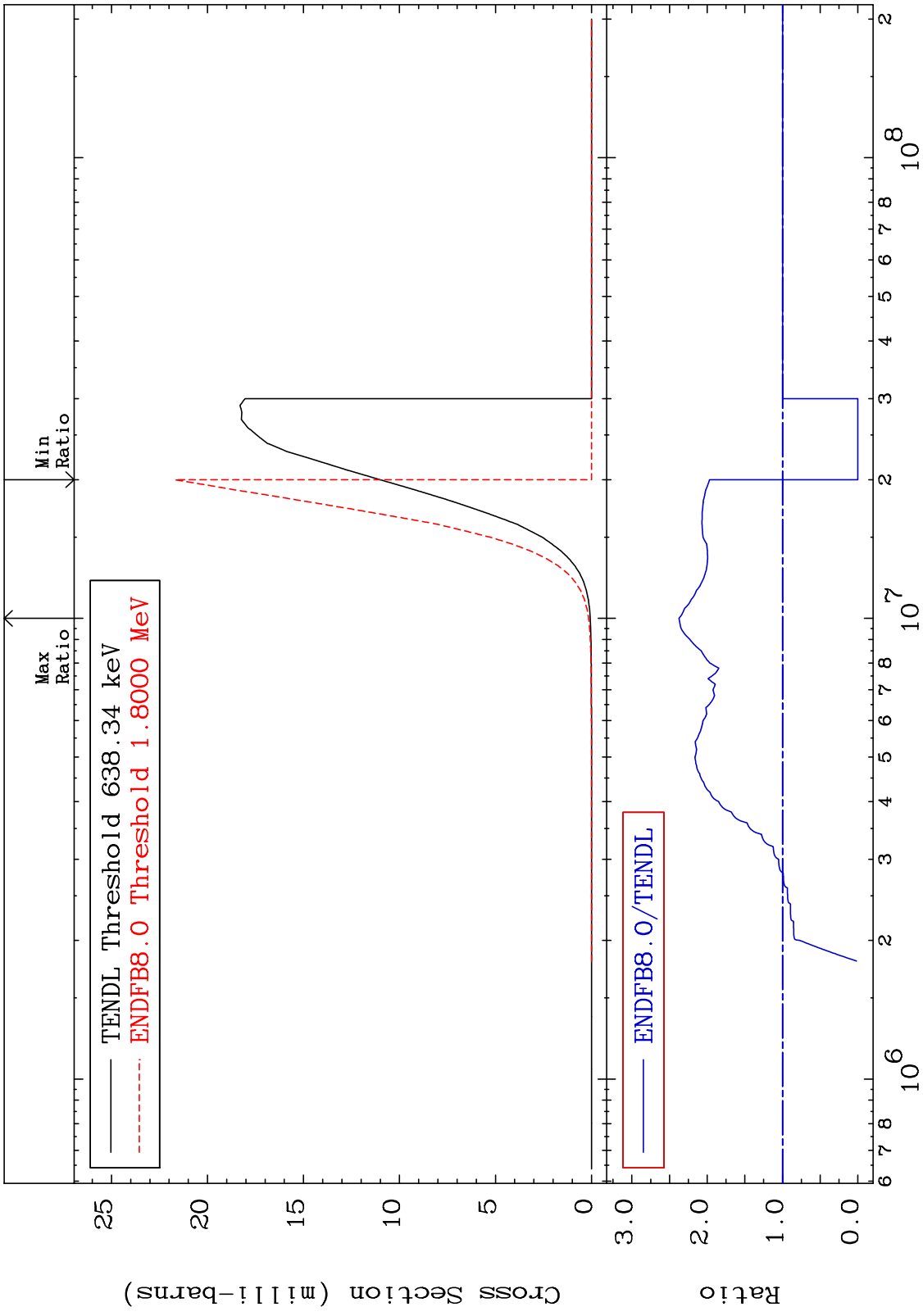
82-Pb-207

Cross Section

-100.0 To 9999. %



MAT 8234 (n,p) Cross Section 82-Pb-207 -100.0 To 137.3 %



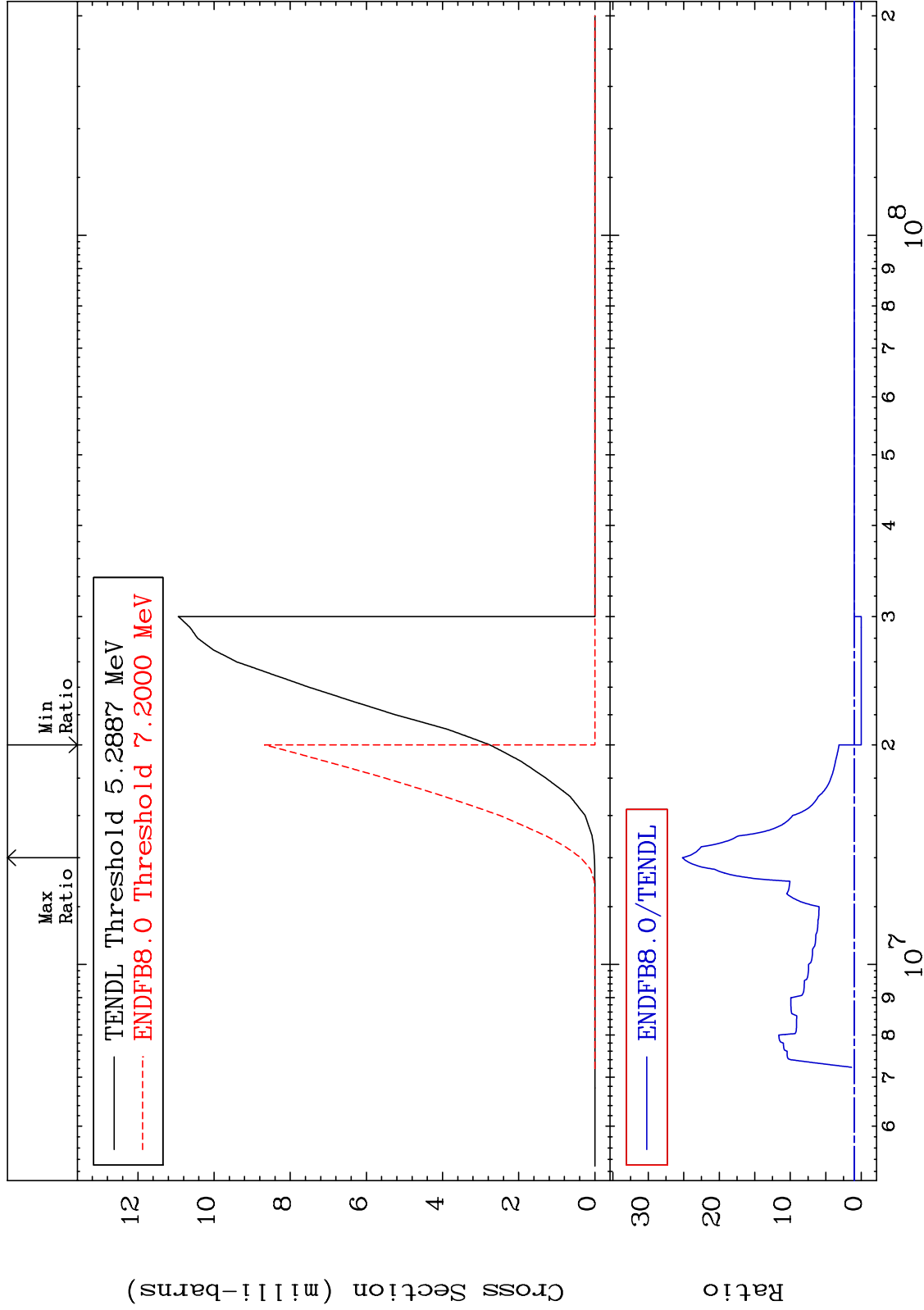
MAT 8234

(n,d)

82-Pb-207

Cross Section

-100.0 To 2418. %

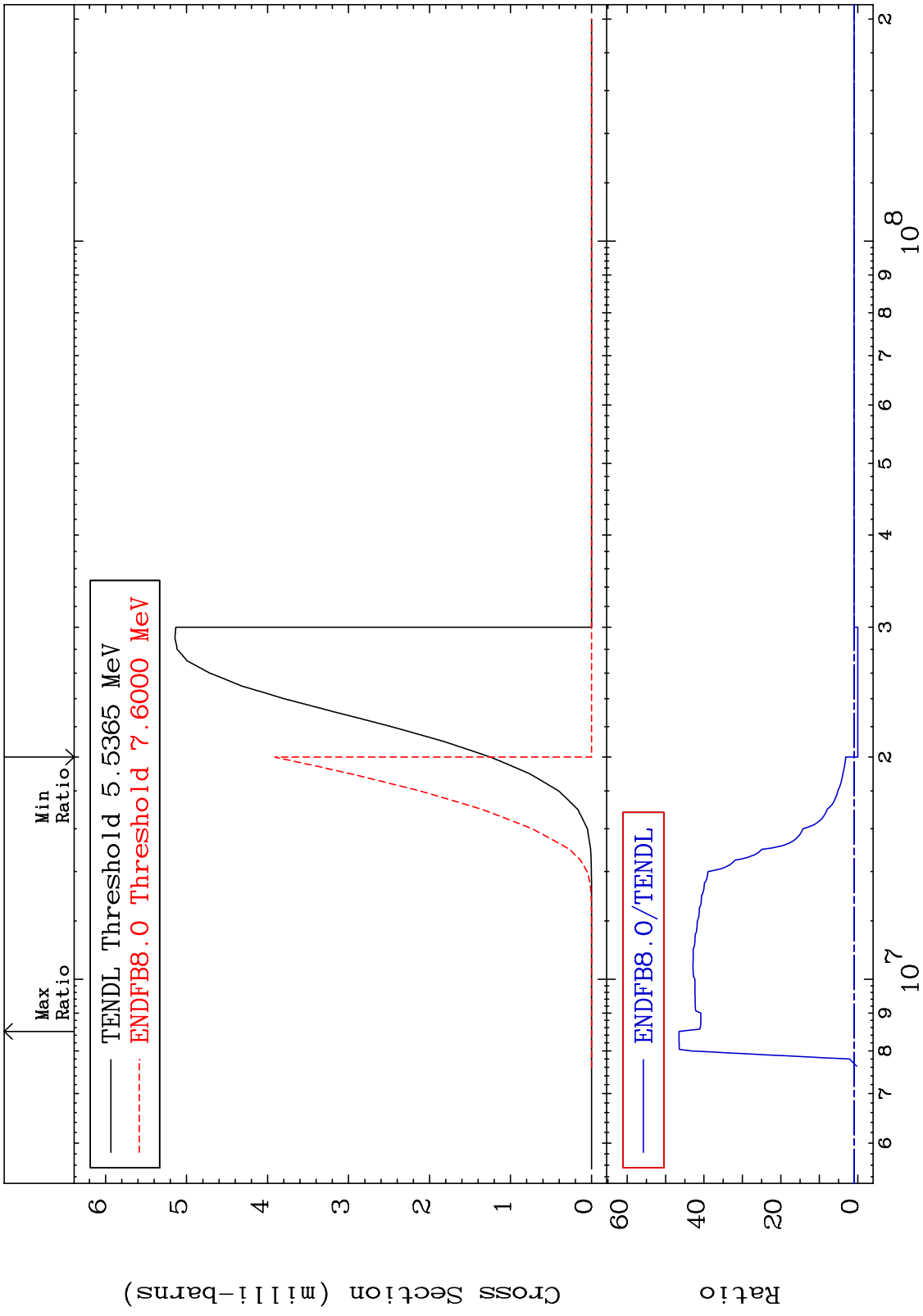


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Incident Energy (eV)

82-Pb-207

MAT 8234 (n,t) 82-Pb-207  
 Cross Section -100.0 To 4549. %



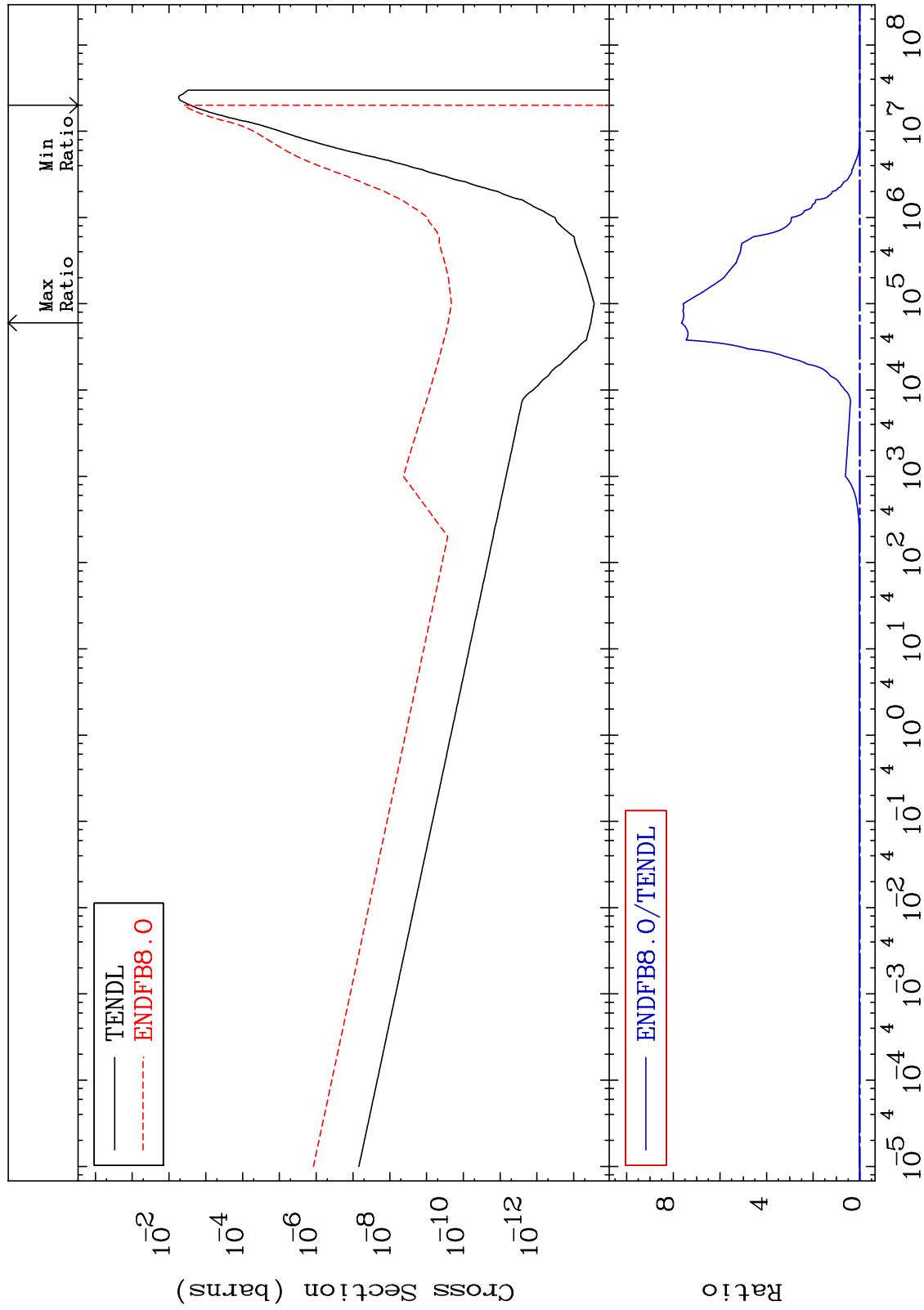
MAT 8234

(n,  $\alpha$ )

82-Pb-207

Cross Section

-100.0 To 9999. %



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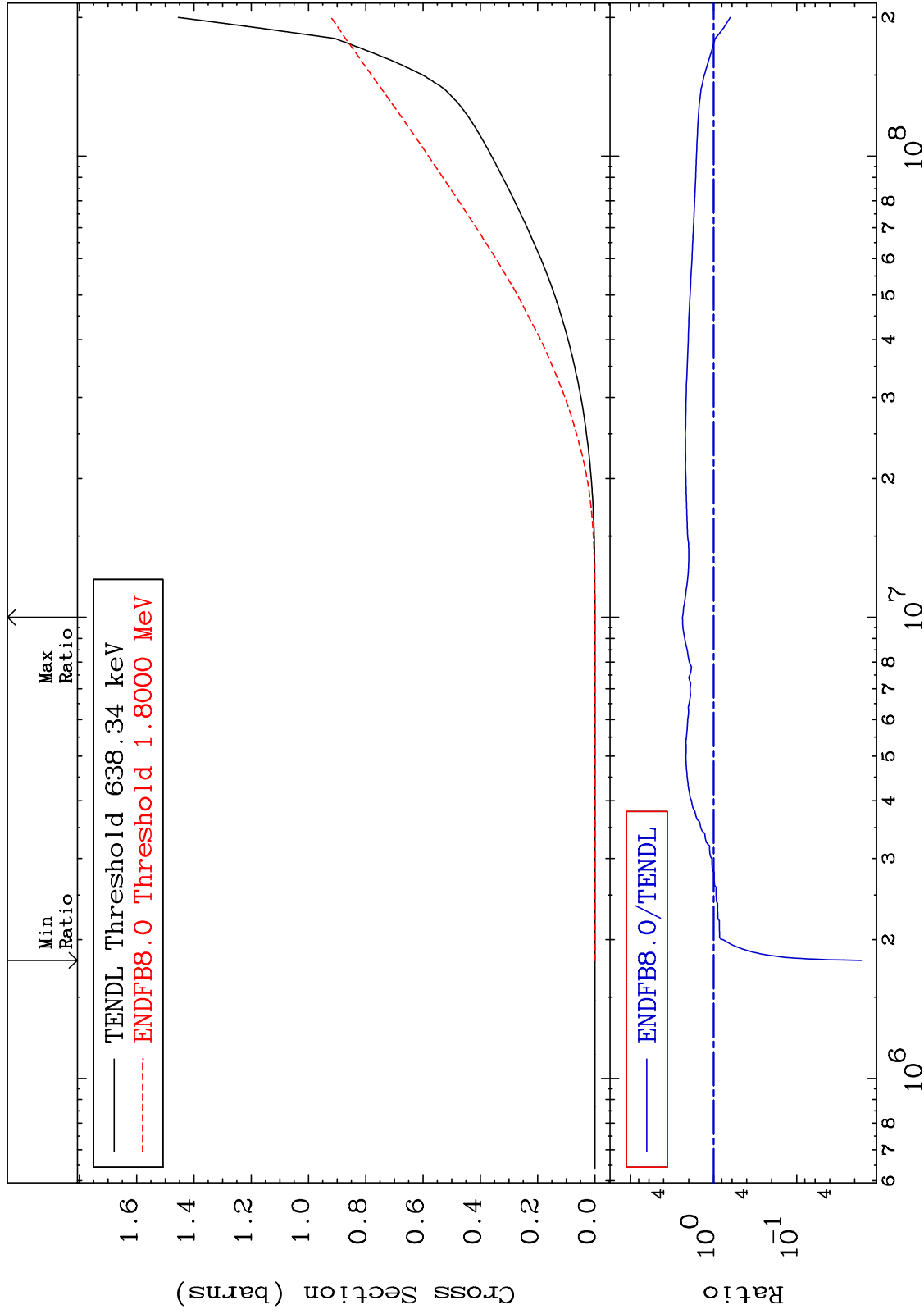
Incident Energy (eV)

82-Pb-207

MAT 8234

Hydrogen Production  
Cross Section

82-Pb-207  
-98.33 To 137.3 %

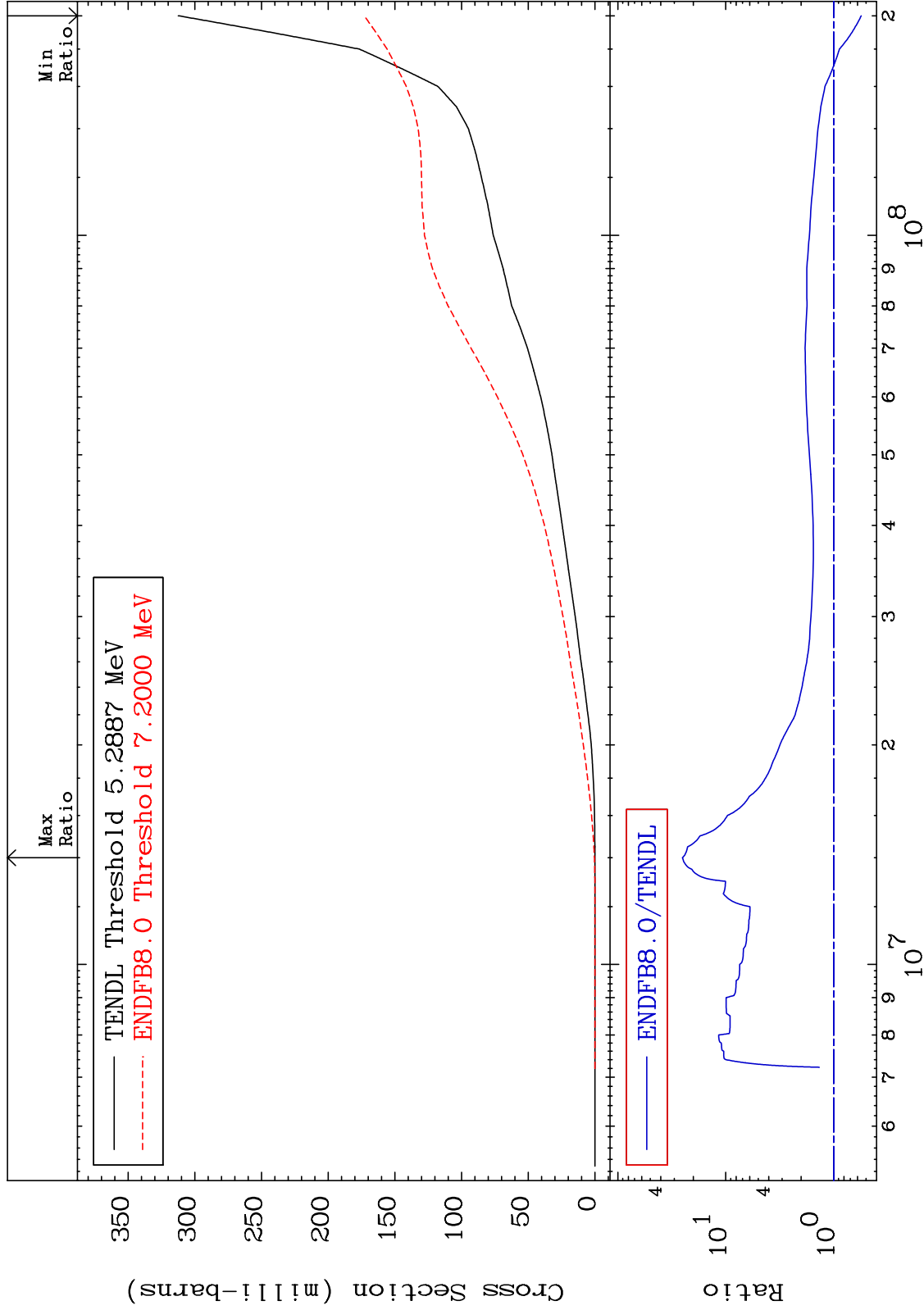




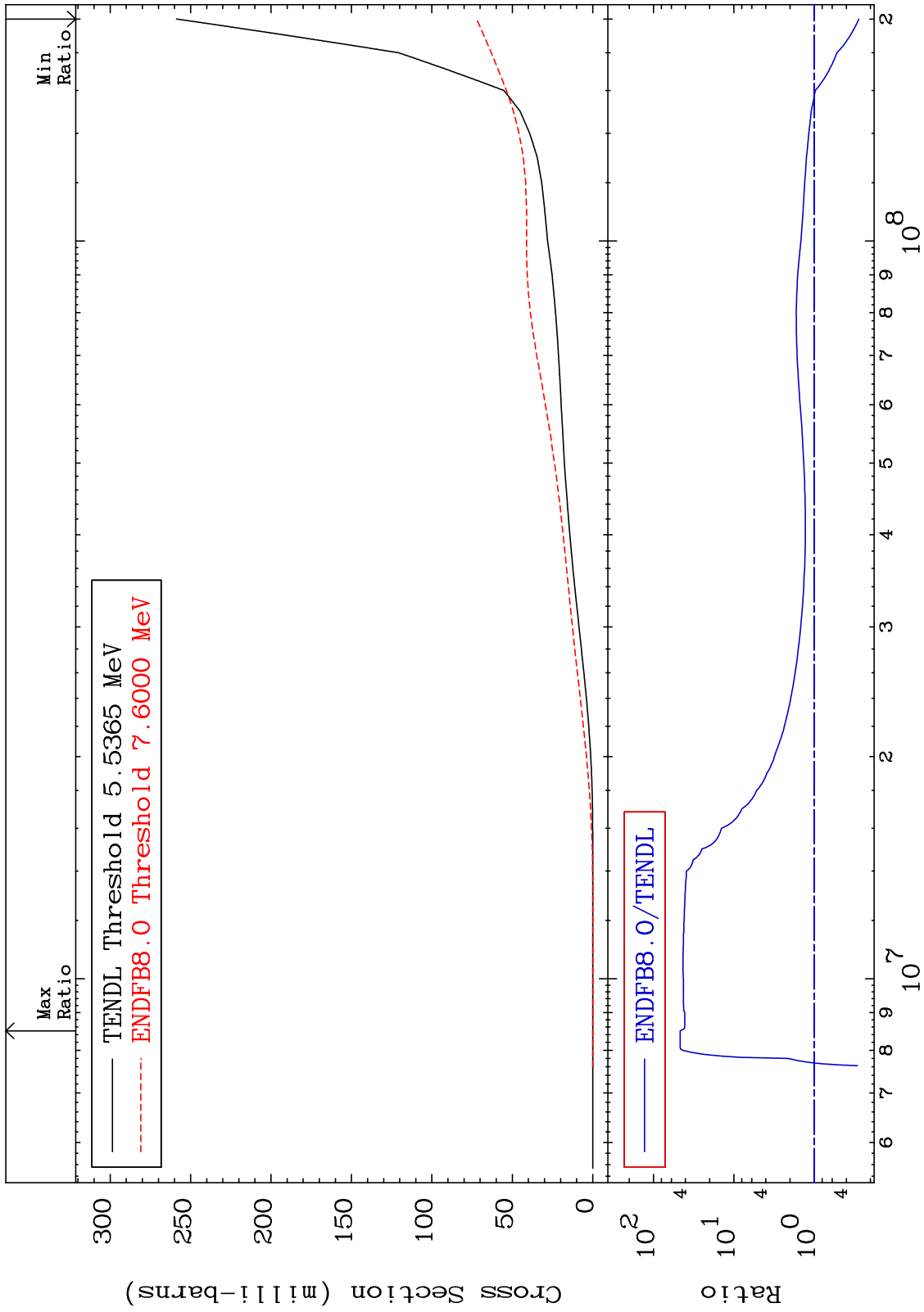
MAT 8234

Deuterium Production  
Cross Section

82-Pb-207  
-44.63 To 2418. %



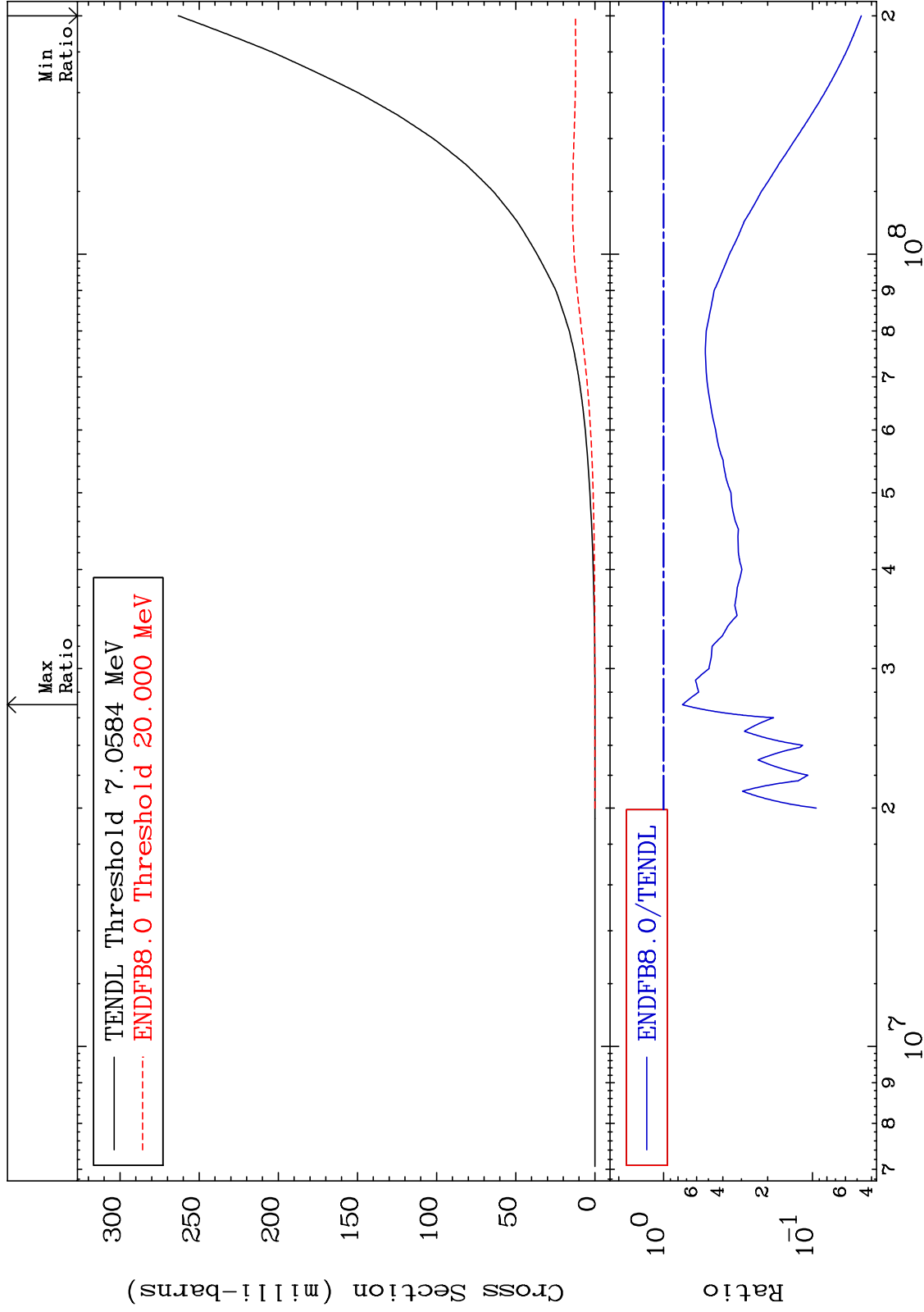
MAT 8234 Tritium Production Cross Section 82-Pb-207 -72.10 To 4549. %



MAT 8234

He-3 Production  
Cross Section

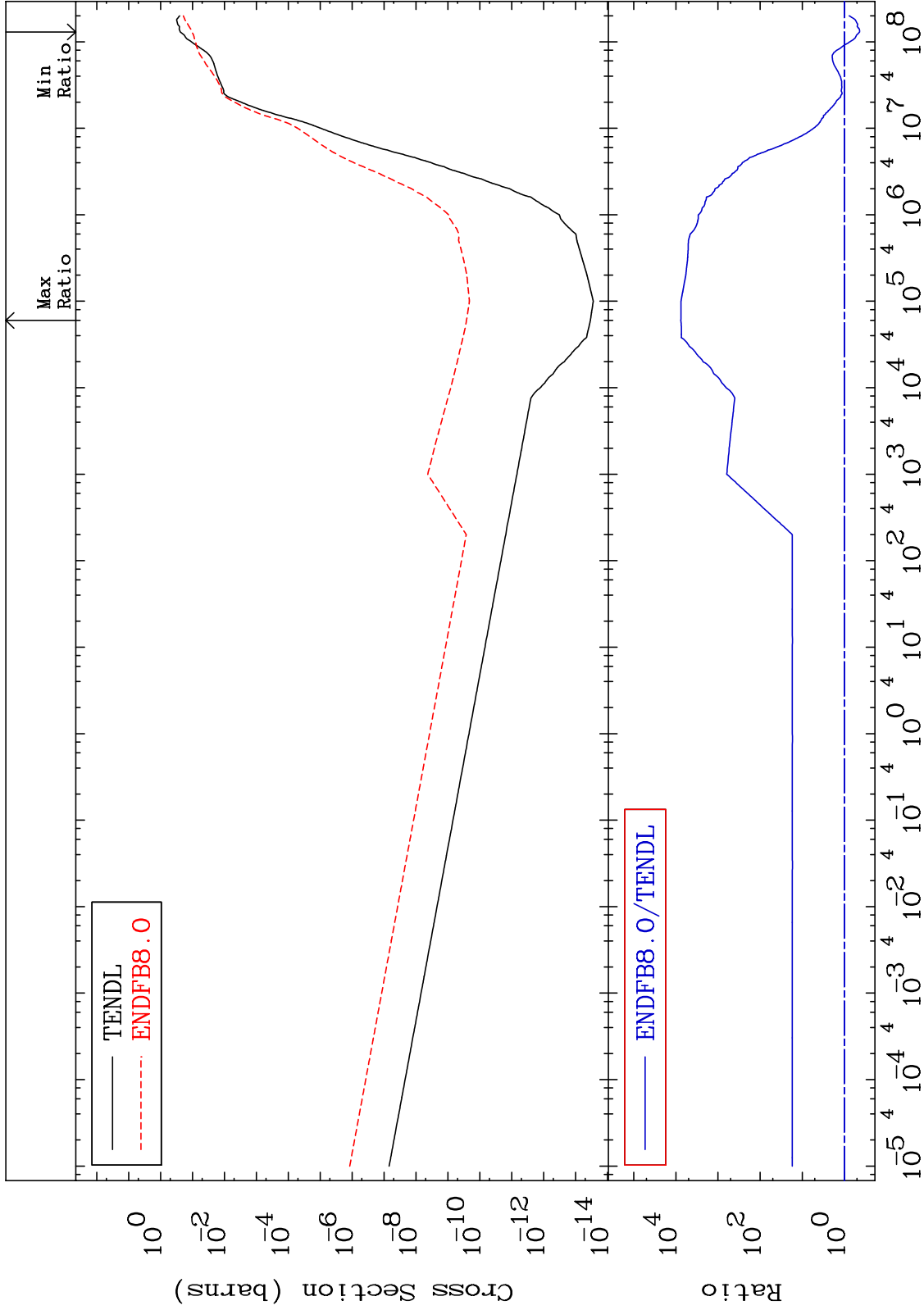
82-Pb-207  
-95.31 To -25.34%



MAT 8234

He-4 Production  
Cross Section

82-Pb-207  
-56.78 To 9999. %



43

Incident Energy (eV)

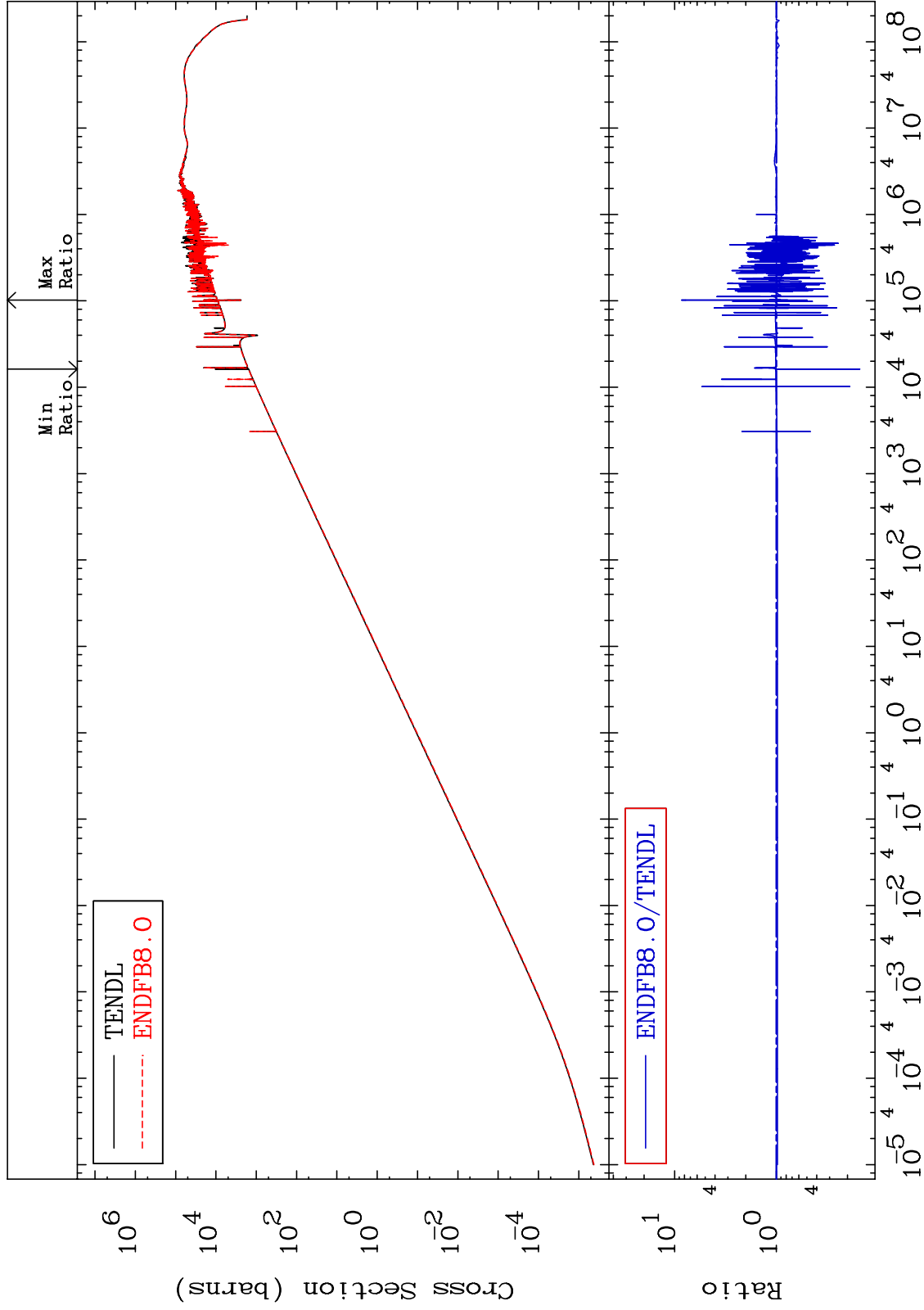
82-Pb-207



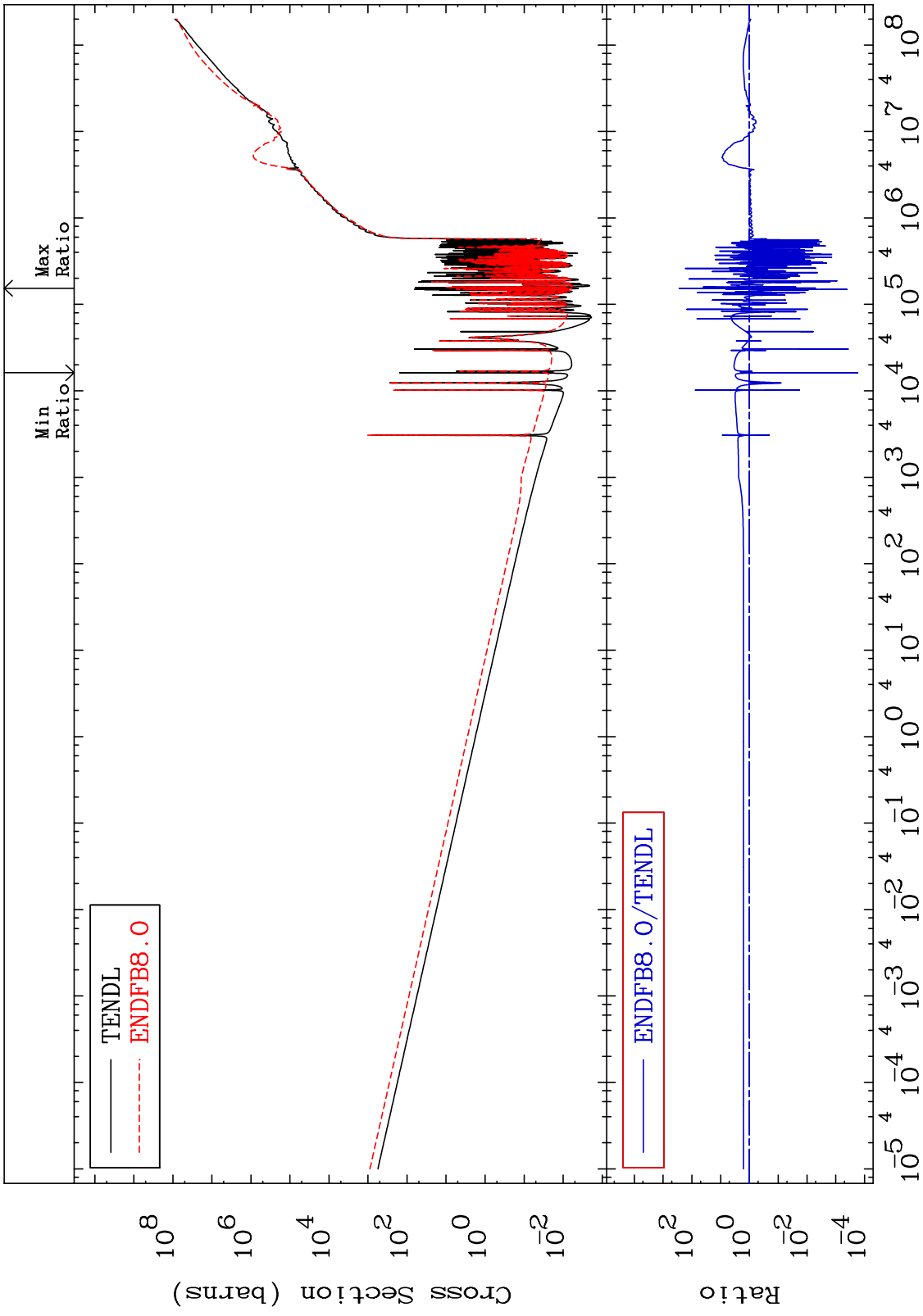
MAT 8234

Kerma elastic  
Cross Section

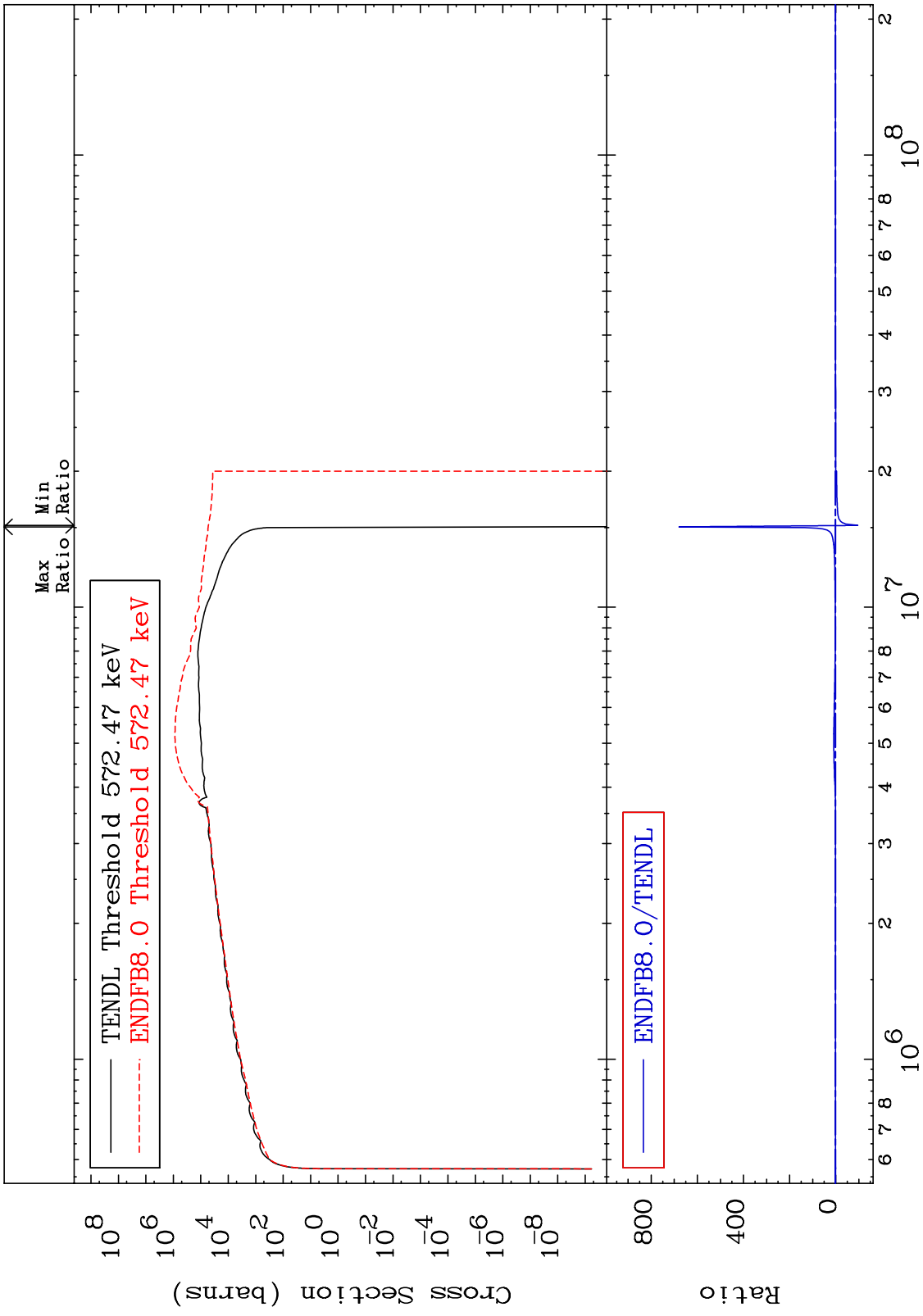
82-Pb-207  
-84.87 To 760.9 %



MAT 8234      Kerma non-elastic (all but mt2)      82-Pb-207  
 Cross Section      -99.98 To 9999. %



46      Incident Energy (eV)      82-Pb-207

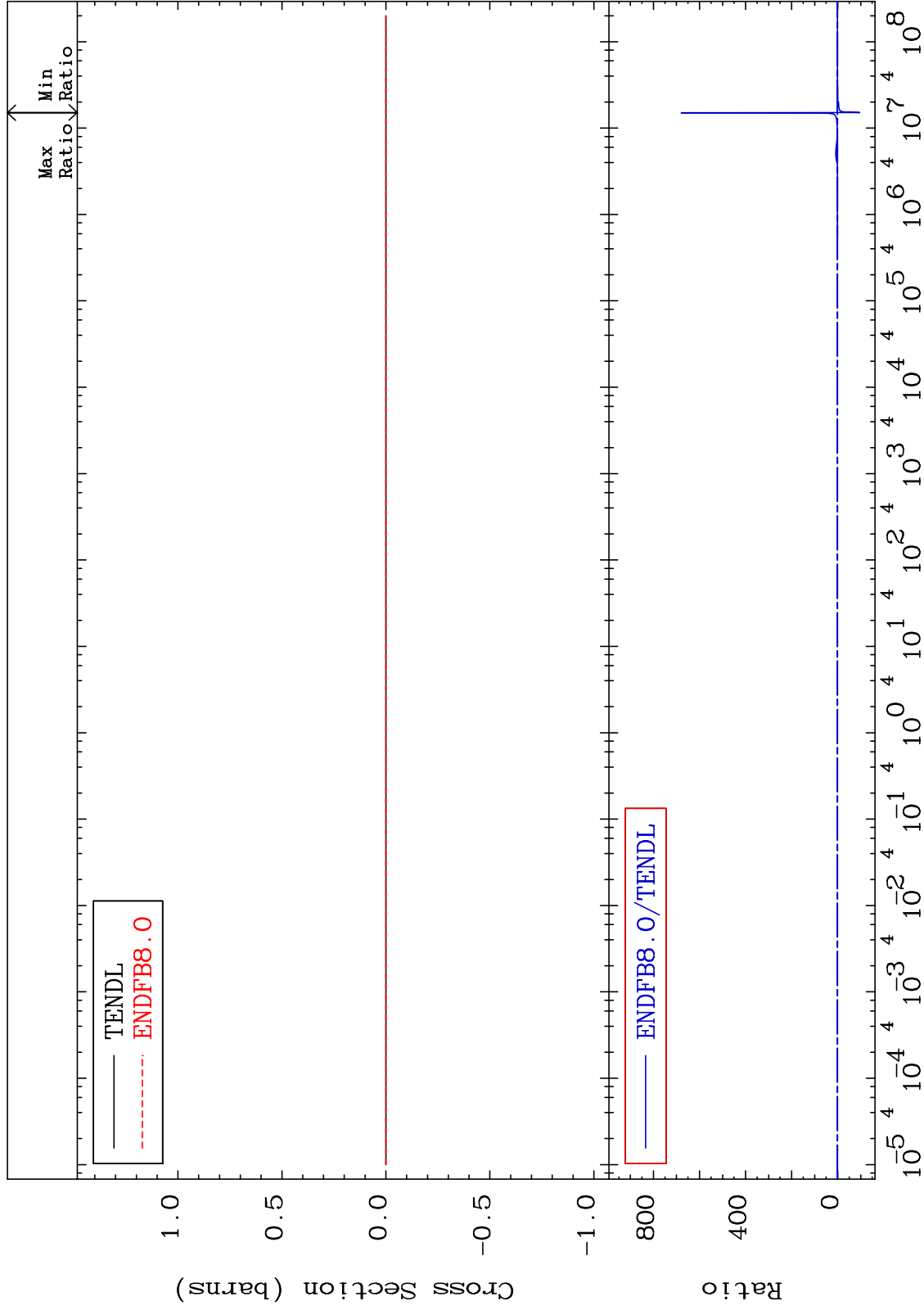




MAT 8234

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

82-Pb-207  
-9676. To 9999. %



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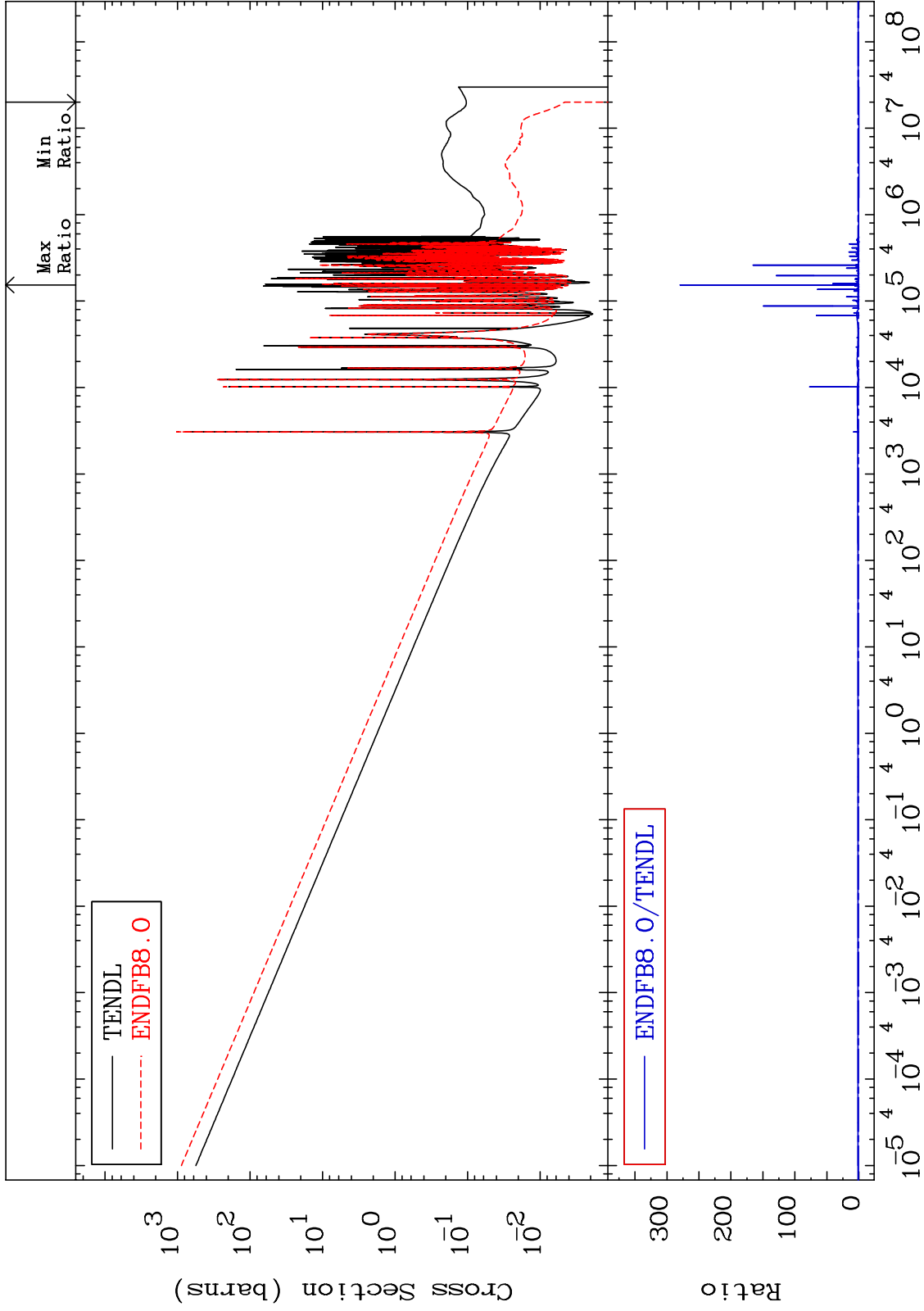
Incident Energy (eV)

82-Pb-207

MAT 8234

Kerma capture (mt102)  
Cross Section

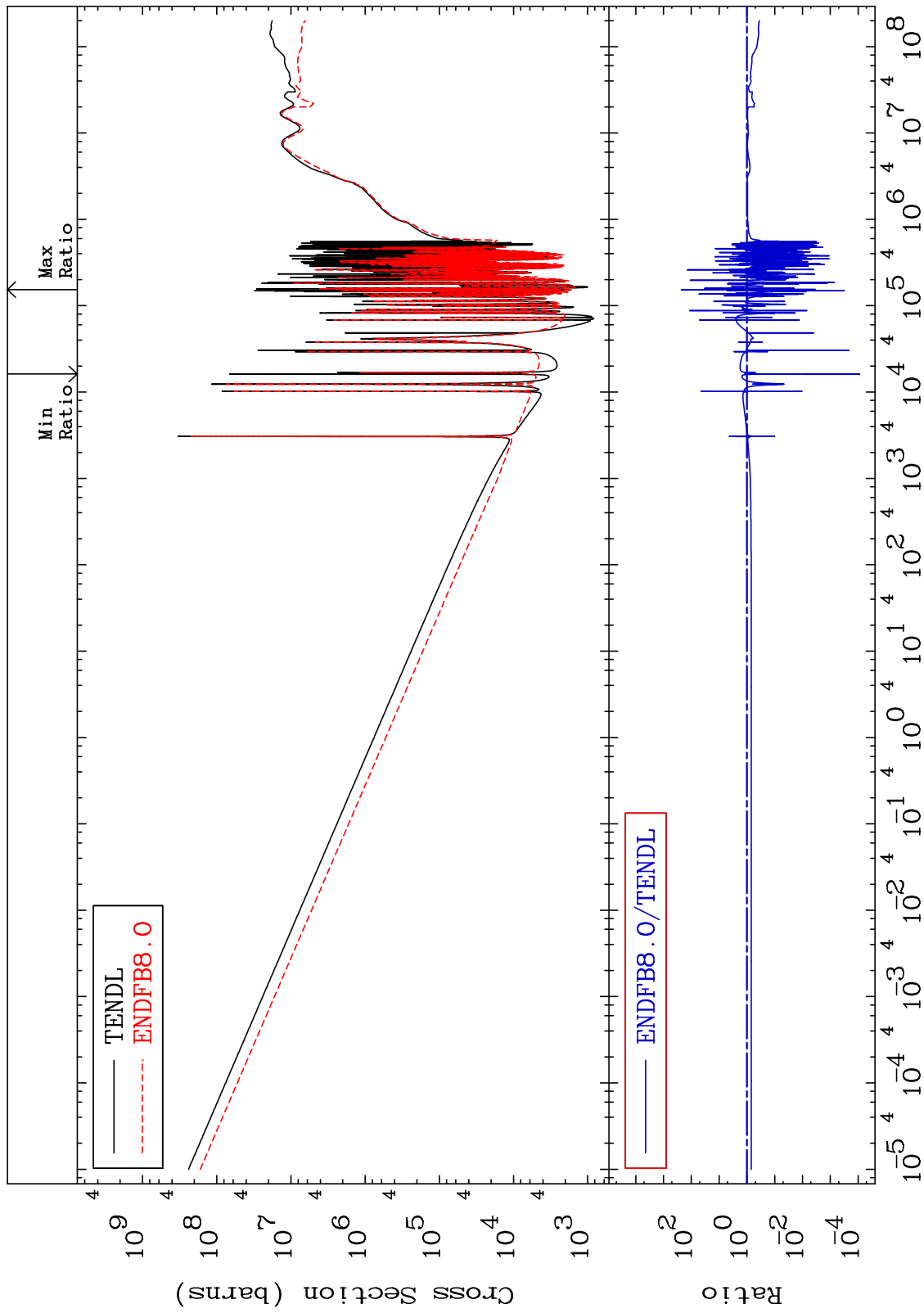
82-Pb-207  
-100.0 To 9999. %



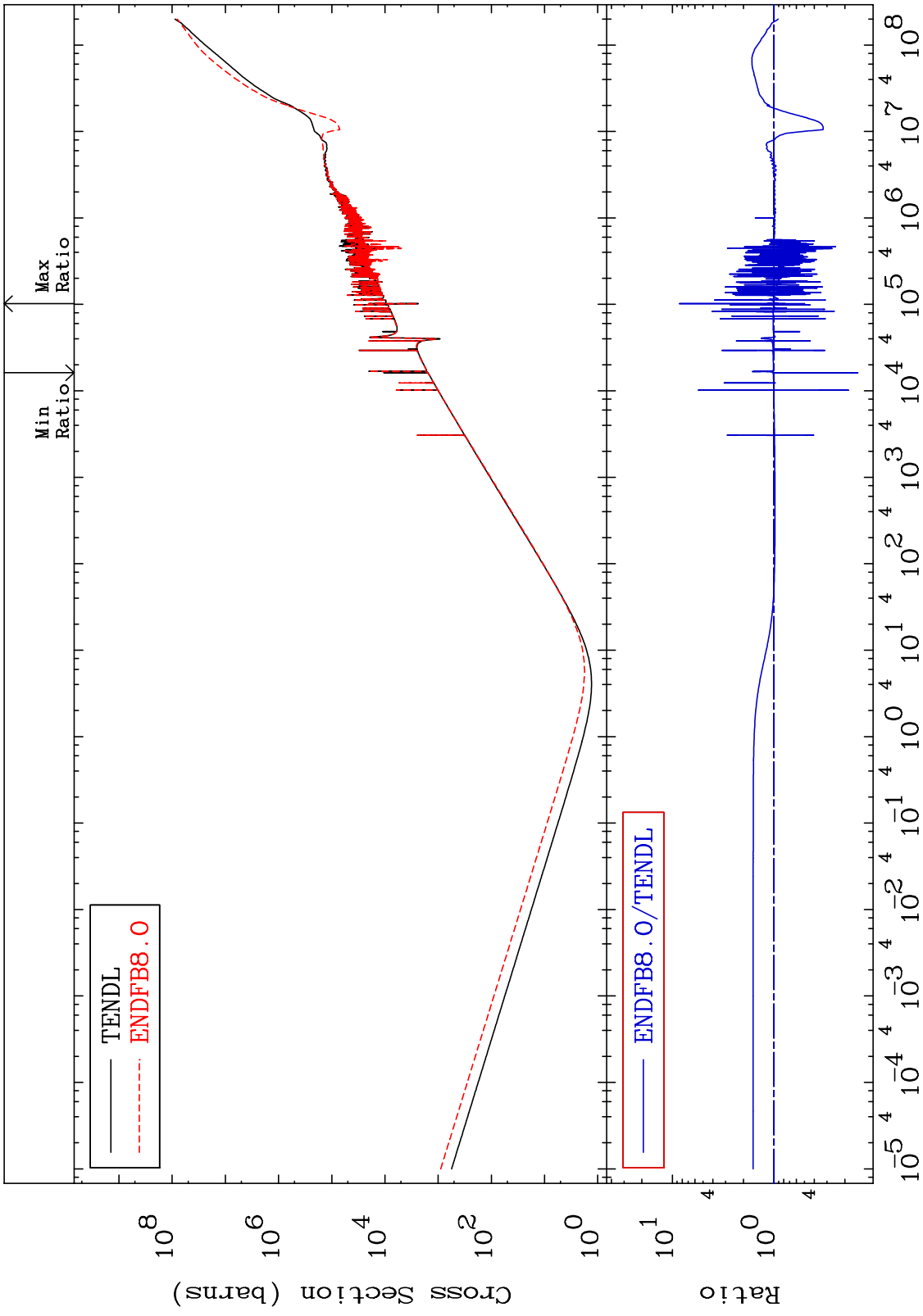
MAT 8234

Total photon (eV-barns)  
Cross Section

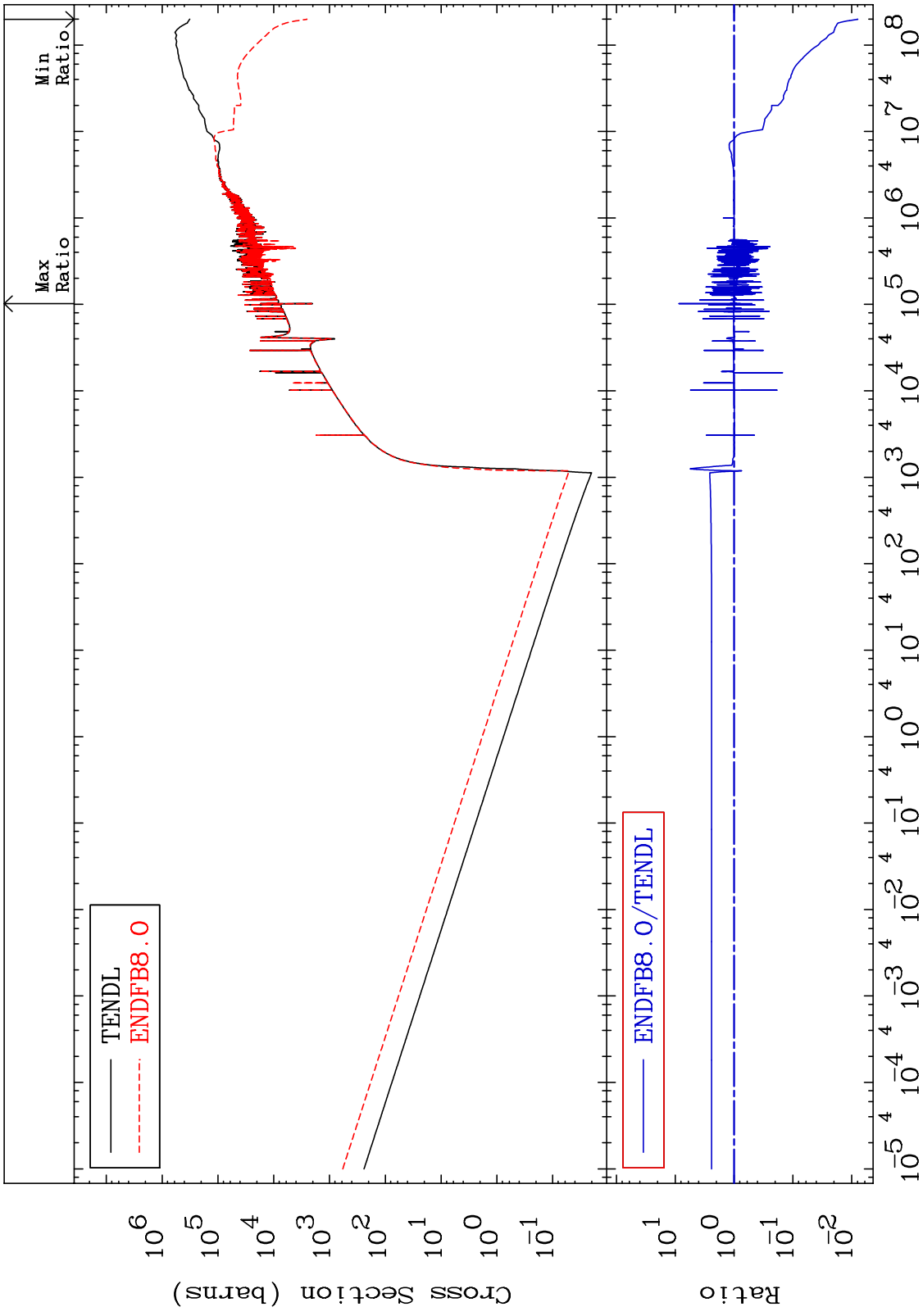
82-Pb-207  
-99.99 To 9999. %



MAT 8234 Total kinematic kerma (high limit) 82-Pb-207  
 Cross Section -85.10 To 760.8 %



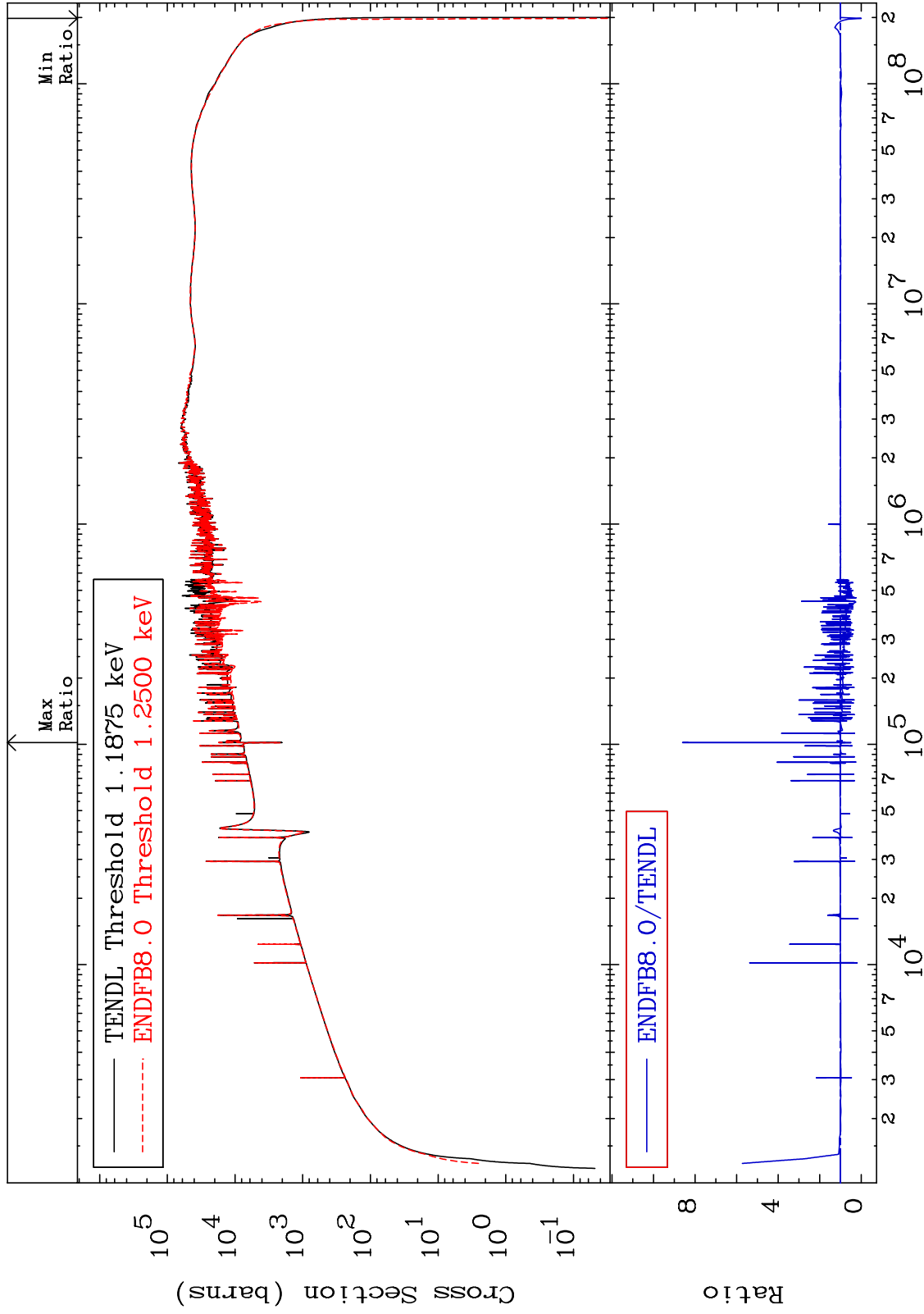
MAT 8234      Dpa total (eV-barns)      82-Pb-207  
 Cross Section      -99.21 To 760.9 %



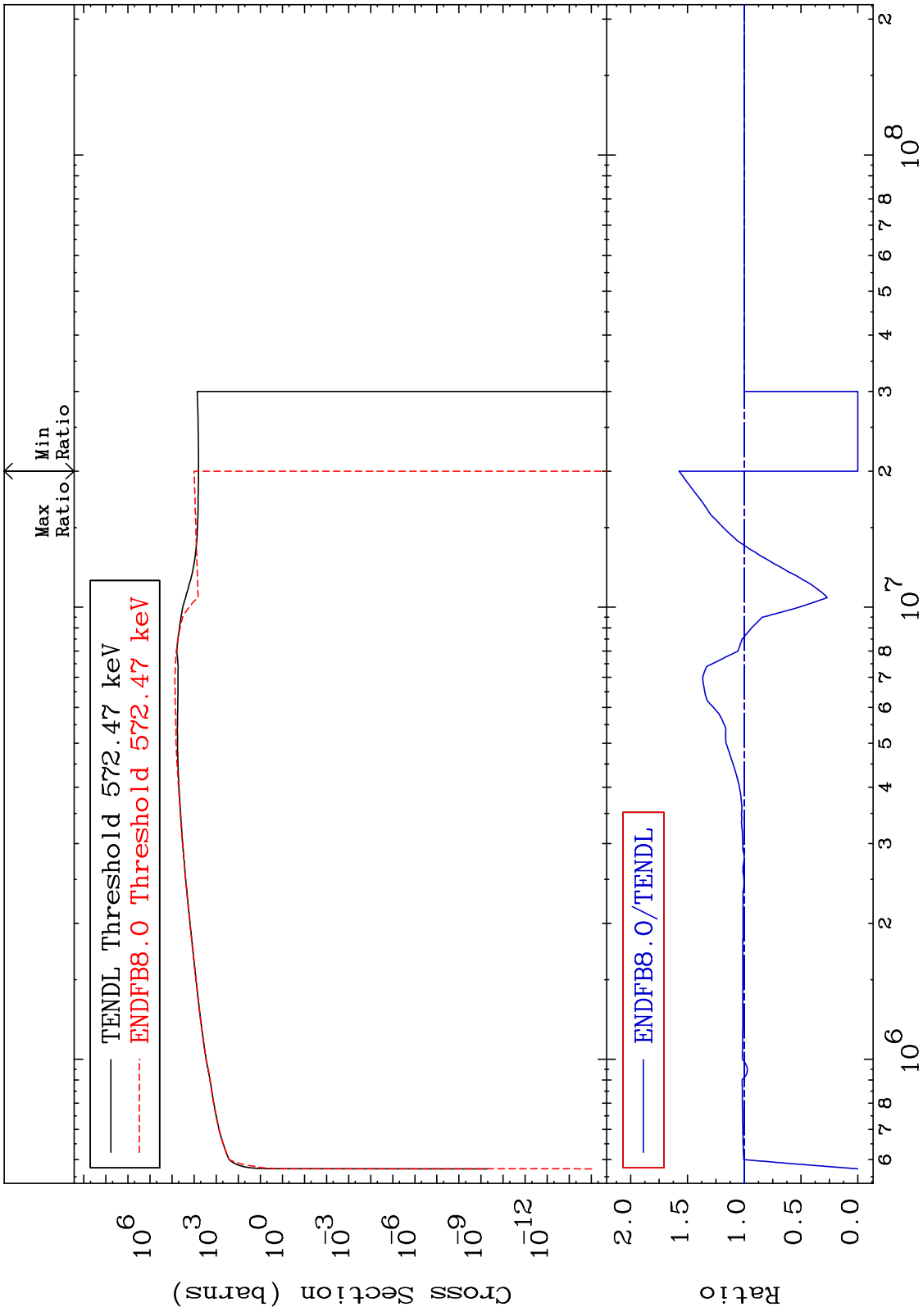
MAT 8234

Dpa elastic (mt2)  
Cross Section

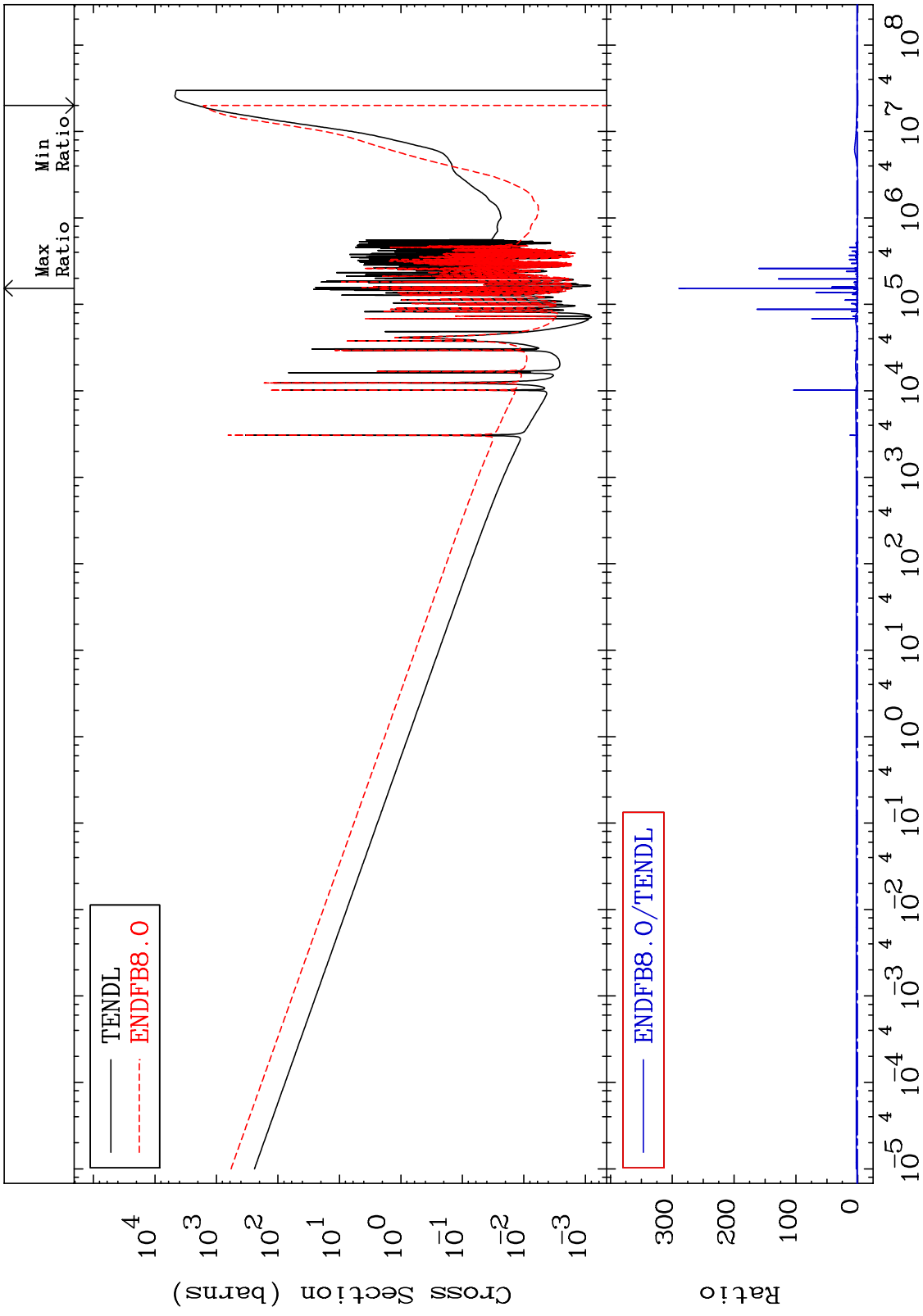
82-Pb-207  
-100.0 To 760.9 %



MAT 8234      Dpa inelastic (mt51-91)      82-Pb-207  
 Cross Section      -100.0 To 57.44 %

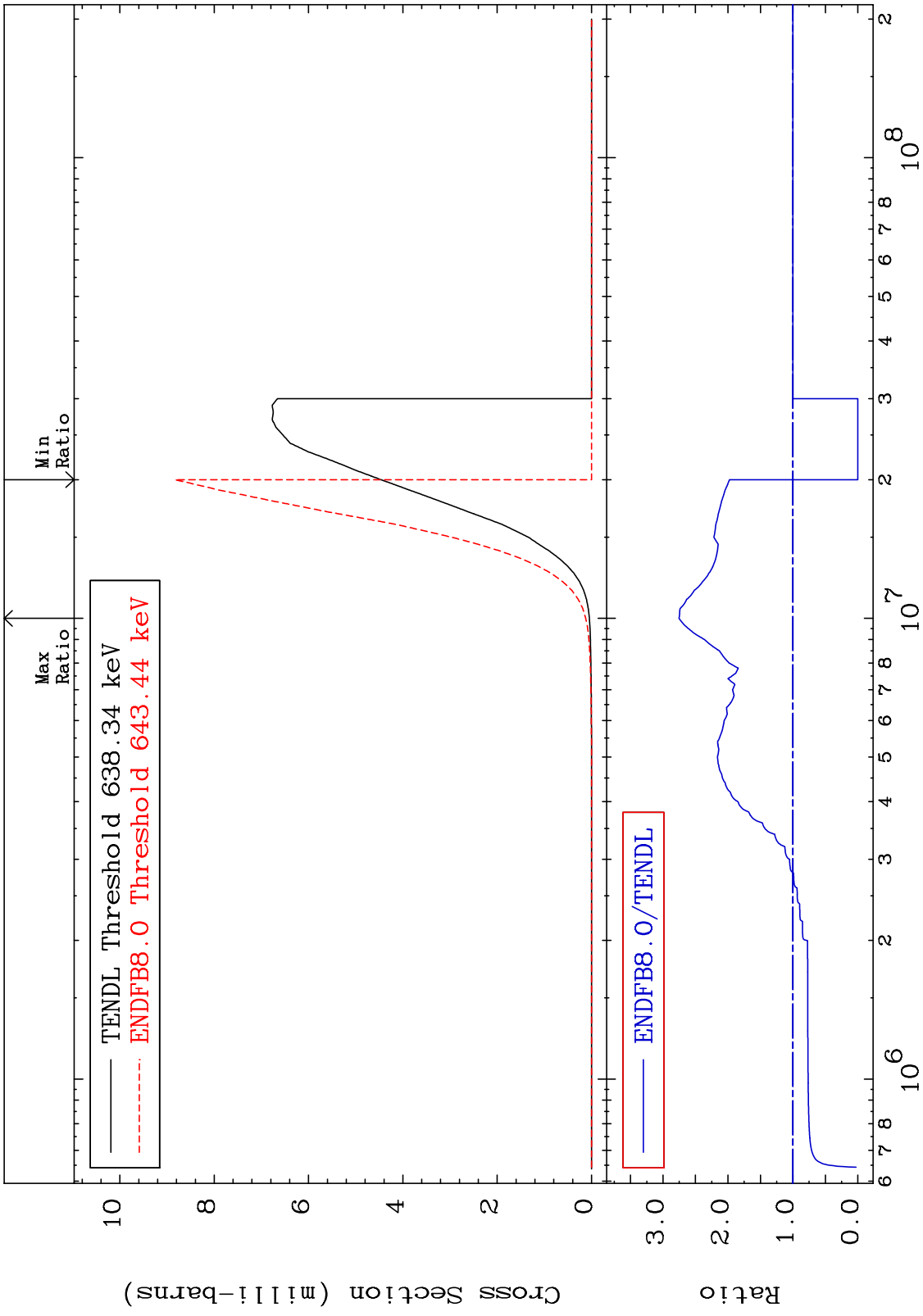


MAT 8234      Dpa disappearance (mt102 -120)      82-Pb-207  
 Cross Section      -100.0 To 9999. %





MAT 8234 (n,p):81-Tl-207g 82-Pb-207  
 Radionuclide Production Cross Section -100.0 To 175.3 %



MAT 8234 (n,p):81-Tl-207m2 82-Pb-207  
 Radionuclide Production Cross Section -100.0 To 764.2 %

