

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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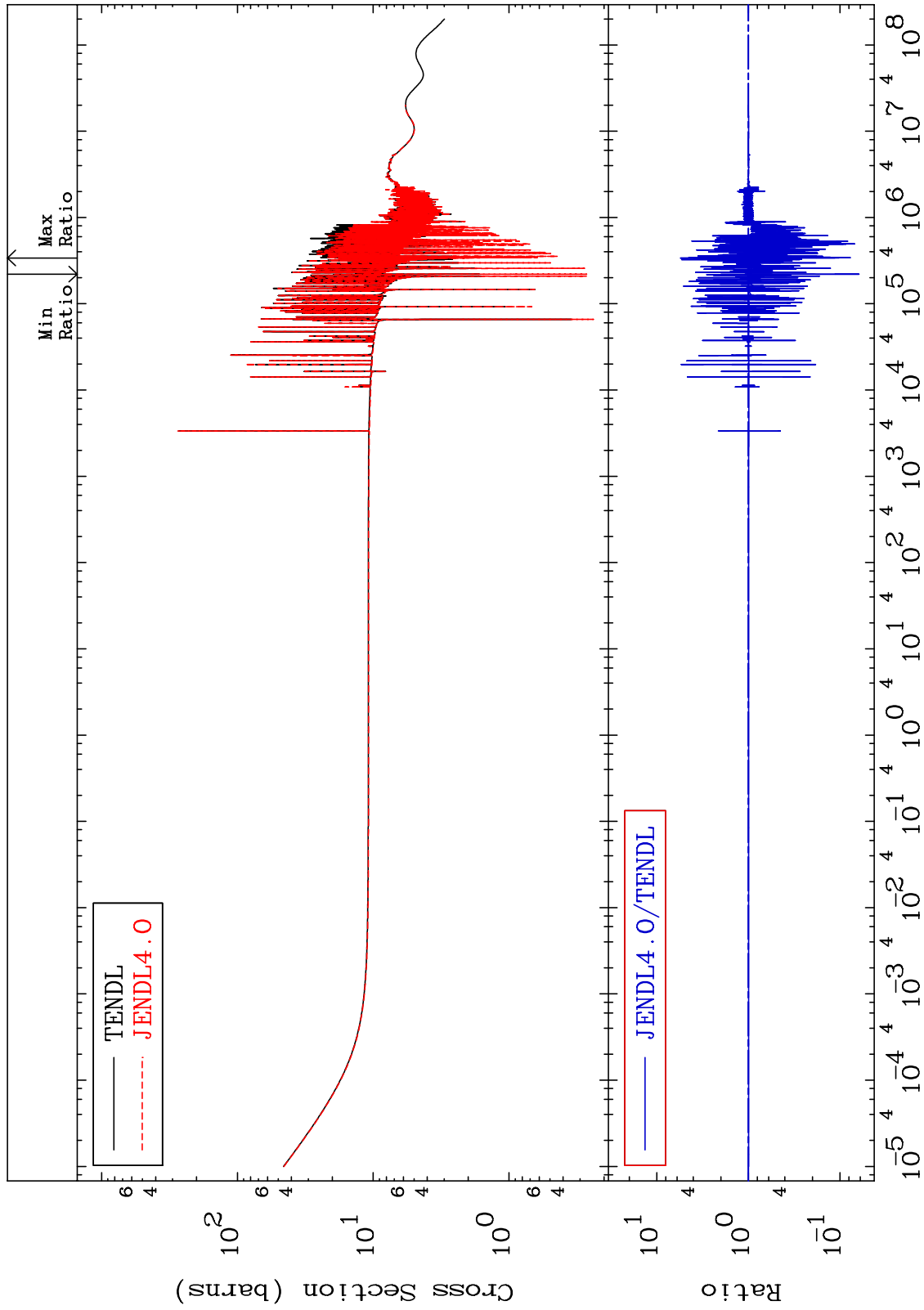
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8231 Total Cross Section 82-Pb-206 -93.81 To 449.9 %

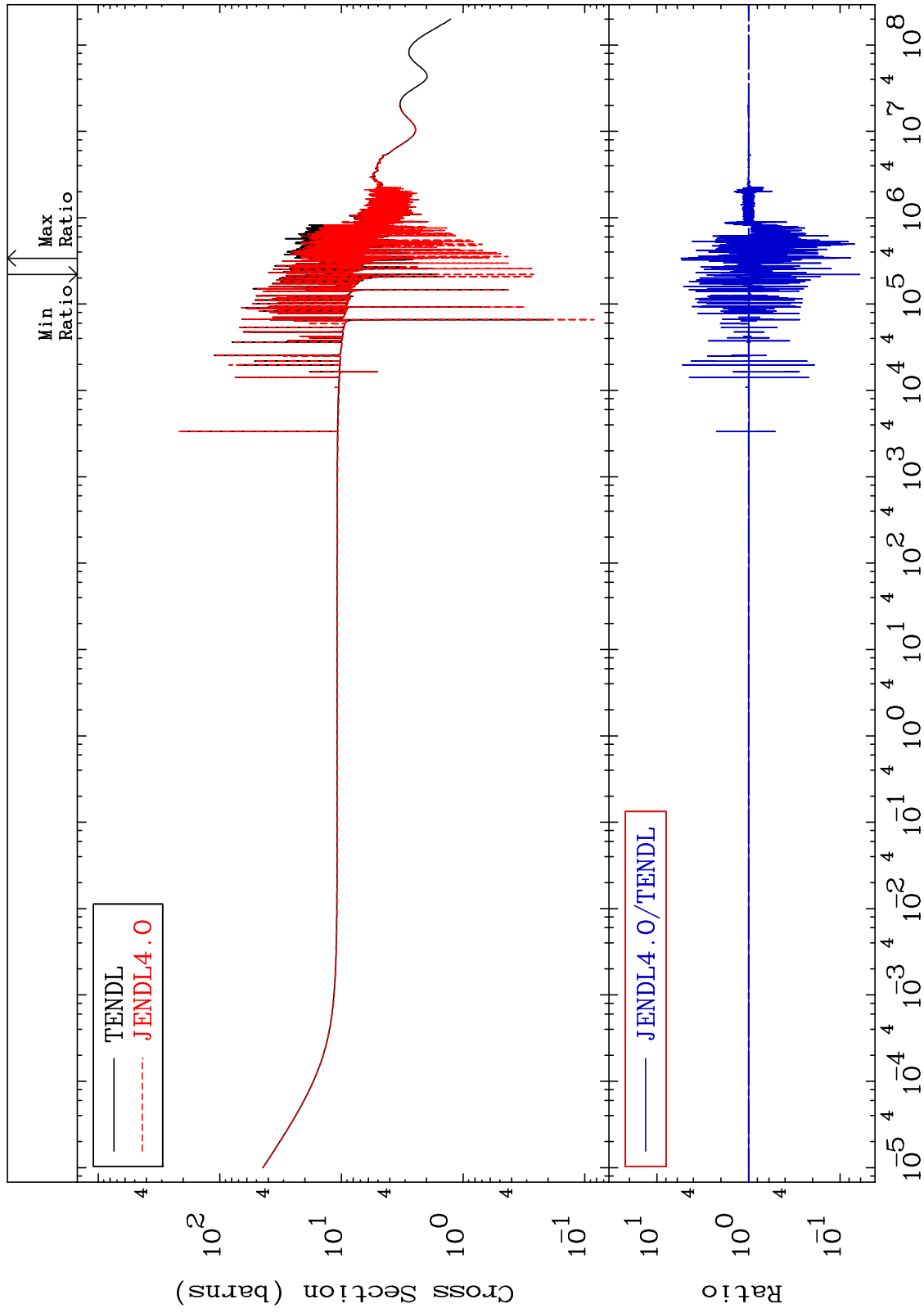


1 Incident Energy (eV) 82-Pb-206

MAT 8231

Elastic
Cross Section

82-Pb-206
-93.89 To 443.3 %



2

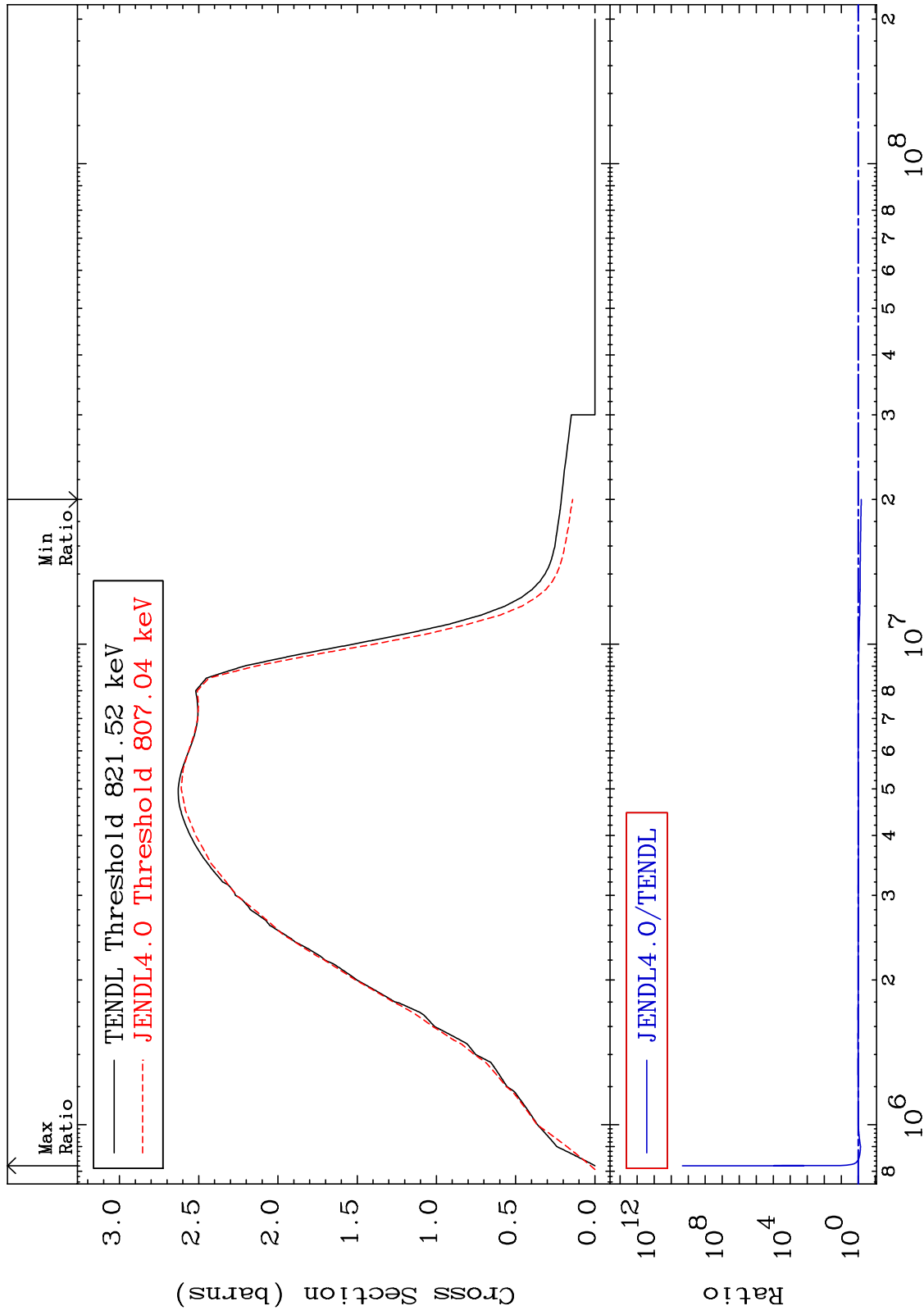
Incident Energy (eV)

82-Pb-206

MAT 8231

Inelastic
Cross Section

82-Pb-206
-33.48 To 9999. %

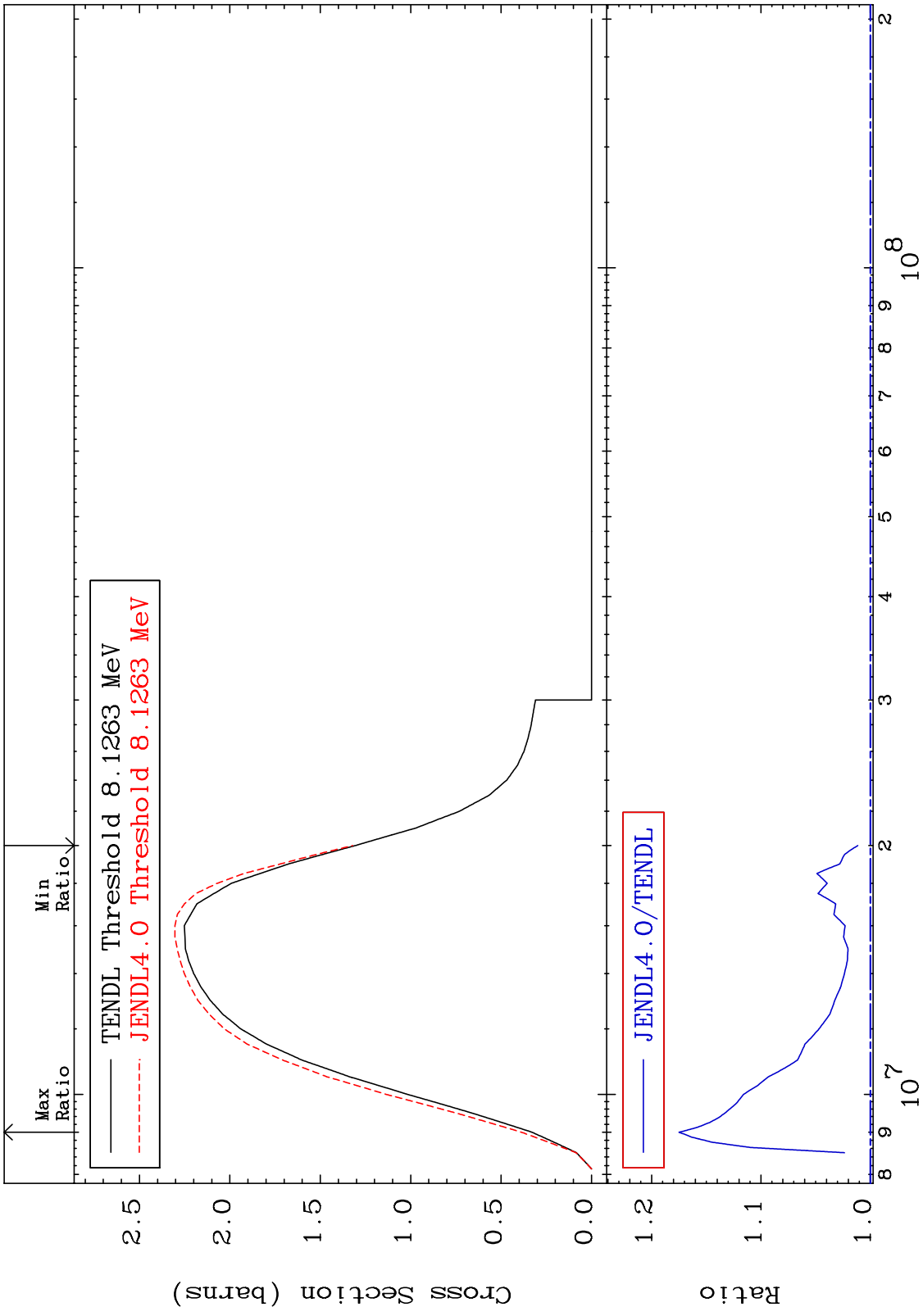


3

Incident Energy (eV)

82-Pb-206

MAT 8231 (n,2n) Cross Section 82-Pb-206 To 17.49 %



4 82-Pb-206

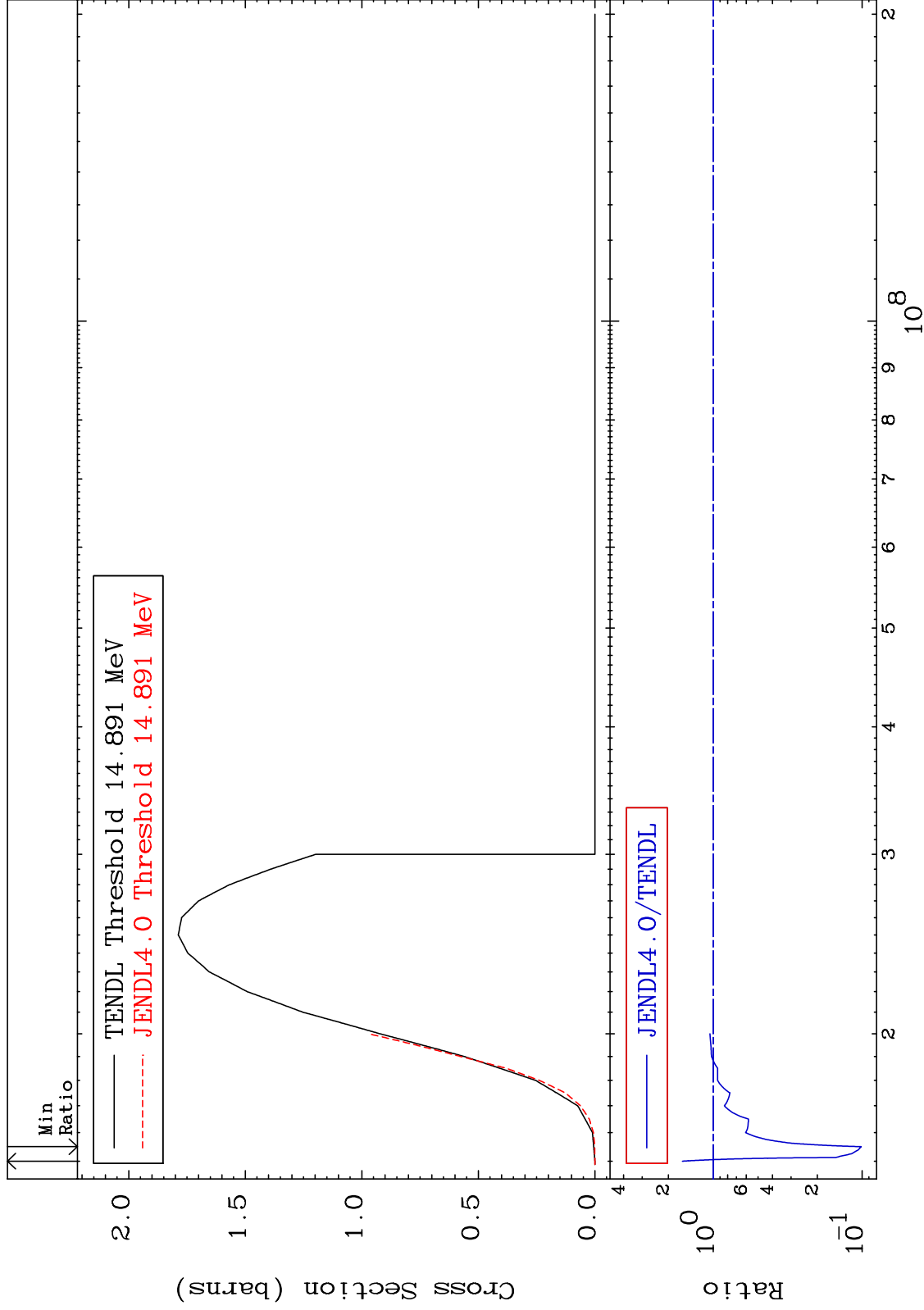
MAT 8231

(n,3n)

82-Pb-206

Cross Section

-89.87 To 60.95 %



5

Incident Energy (eV)

82-Pb-206

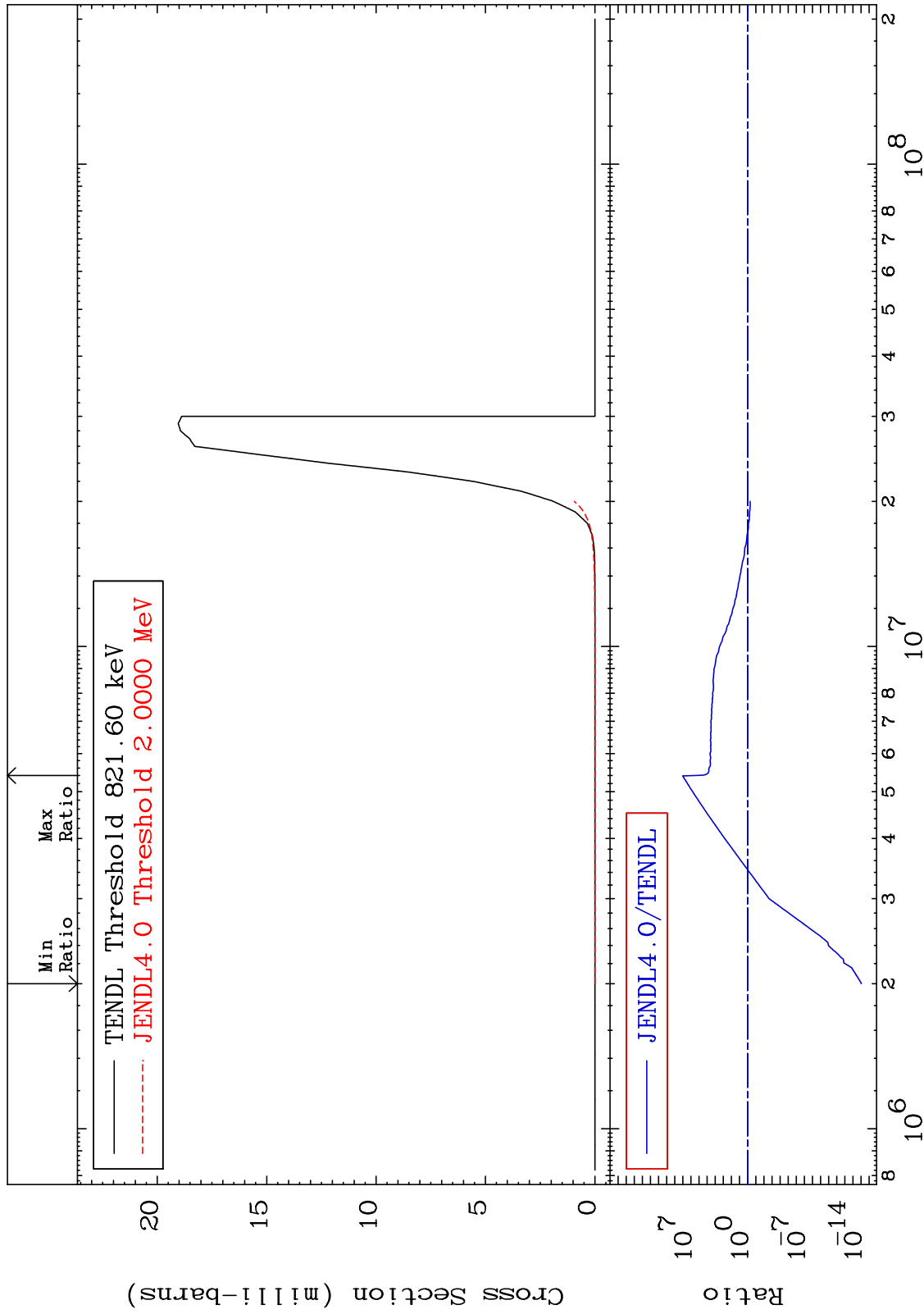
MAT 8231

(n,n') α

82-Pb-206

-100.0 To 9999. %

Cross Section



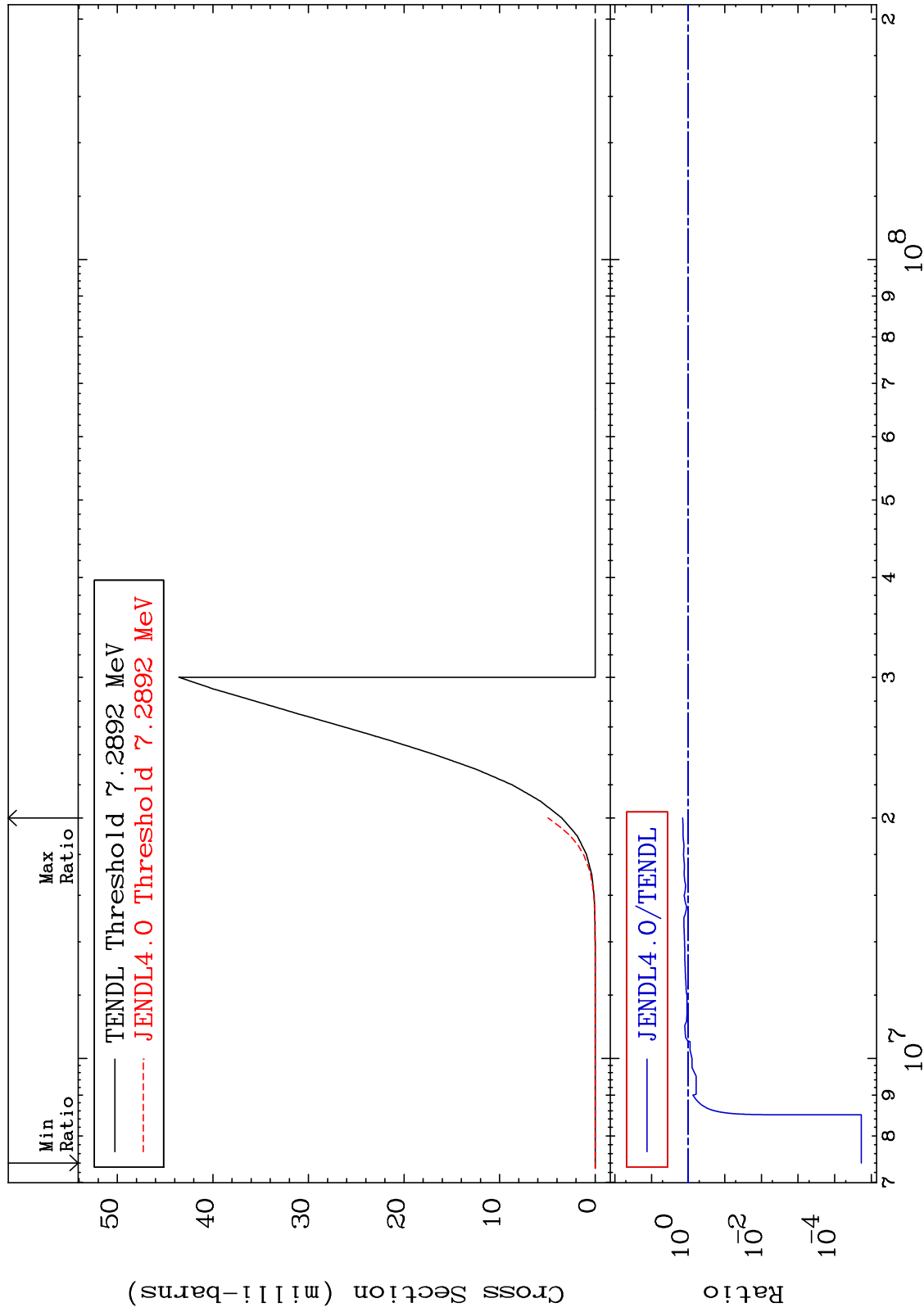
MAT 8231

(n,n') p

82-Pb-206

Cross Section

-100.0 To 40.80 %

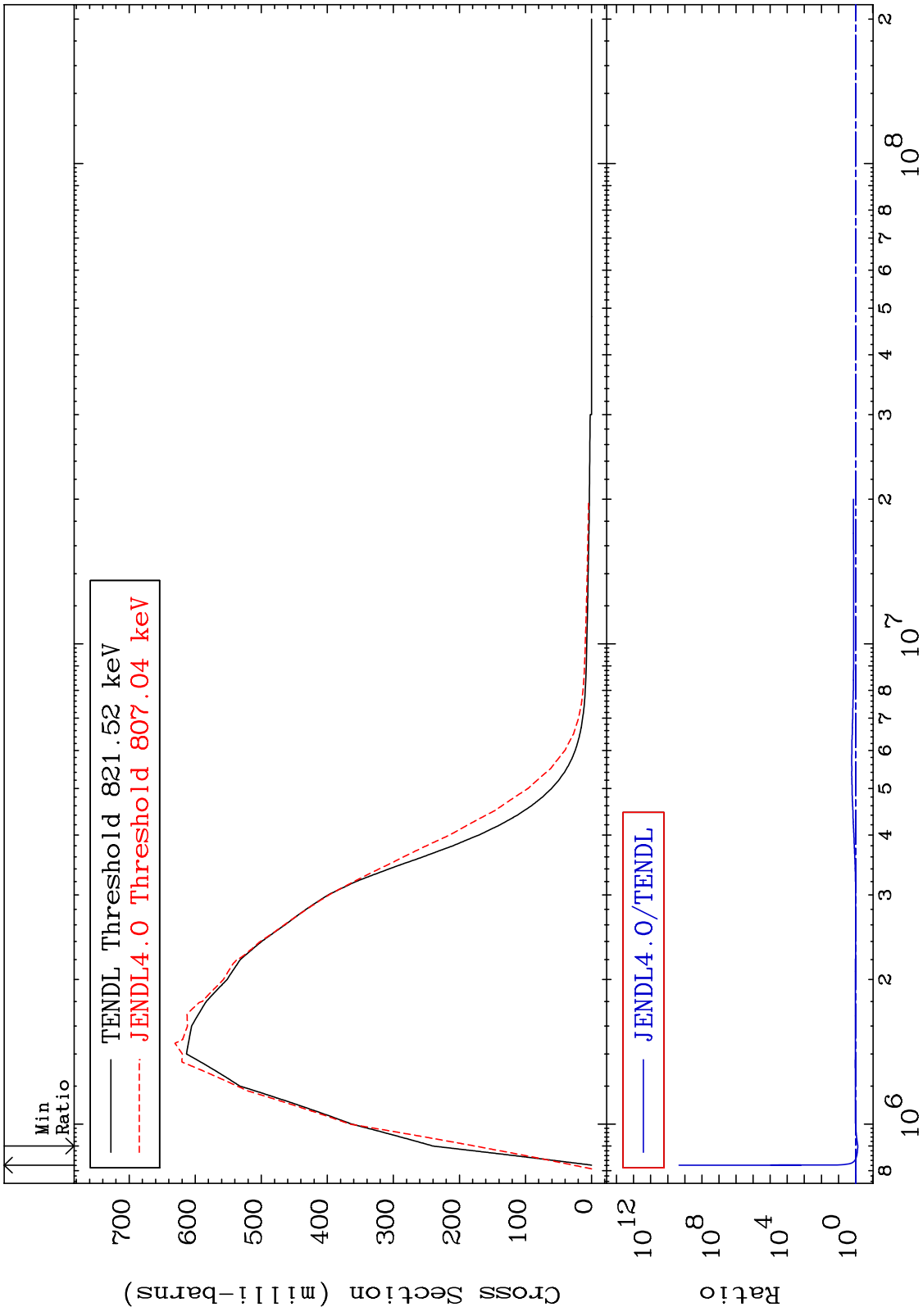


7

Incident Energy (eV)

82-Pb-206

MAT 8231 MT= 51 (n,n') Level Cross Section 82-Pb-206 -26.48 To 9999. %

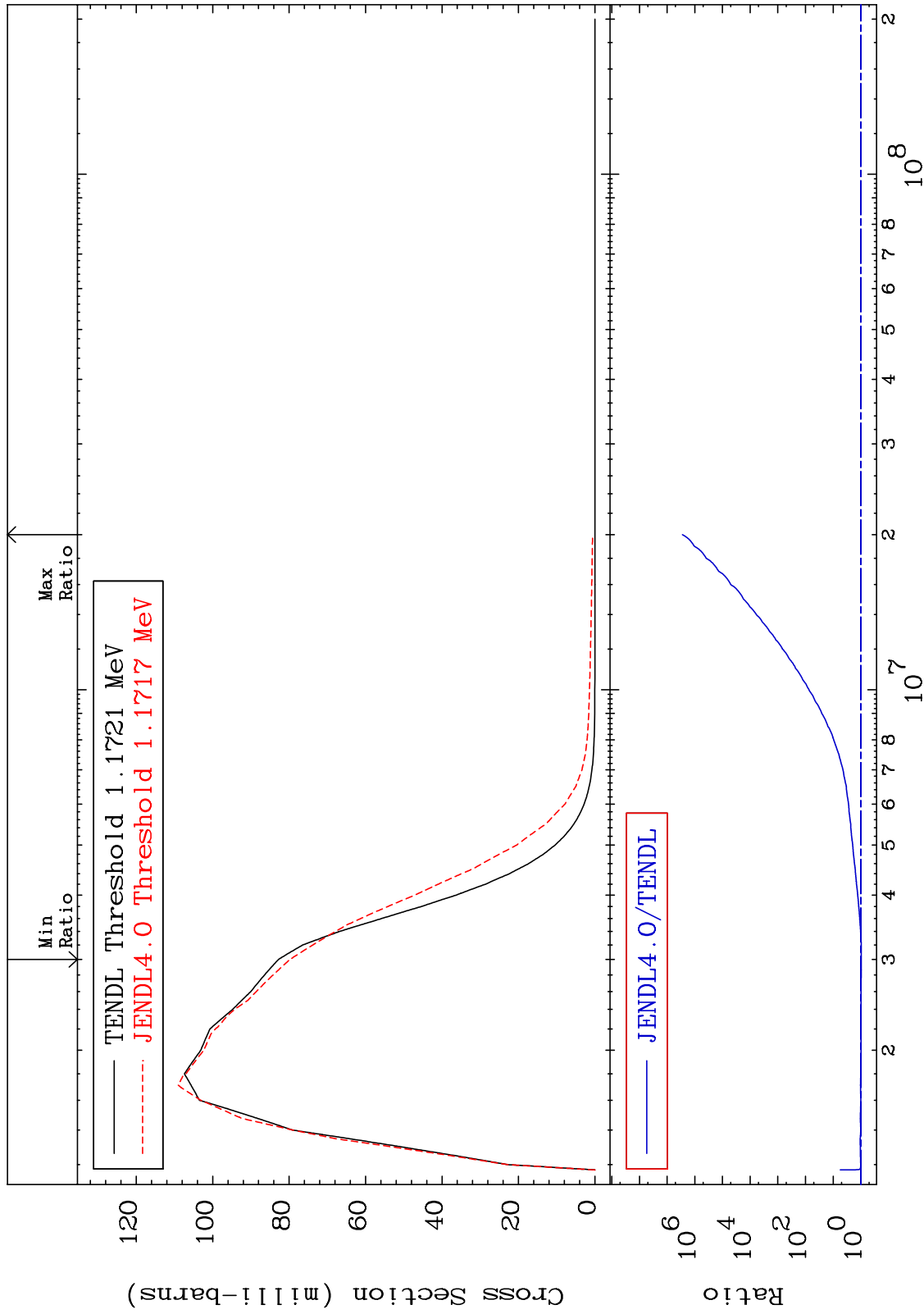


8 Incident Energy (eV) 82-Pb-206

MAT 8231

MT= 52 (n,n') Level
Cross Section

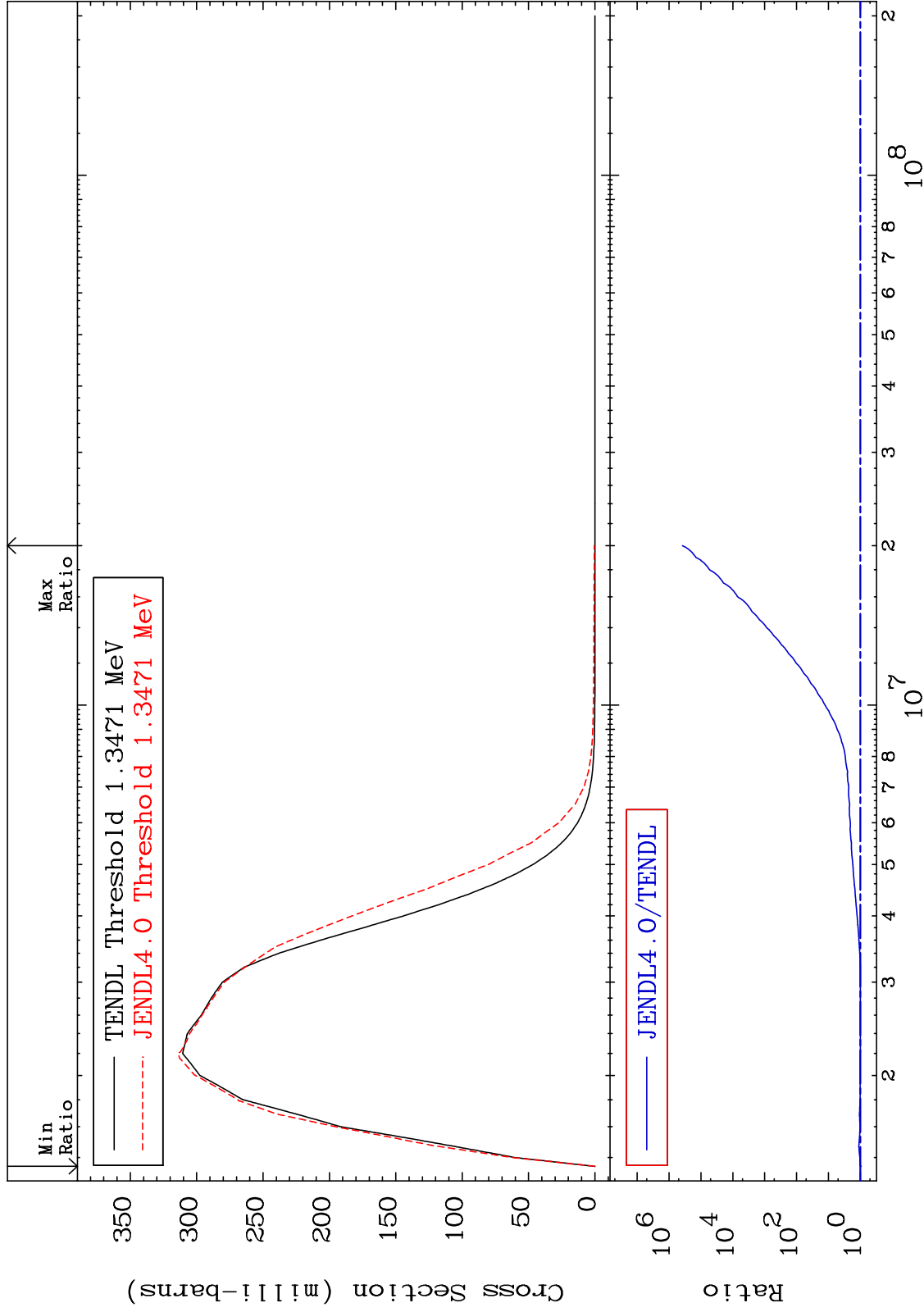
82-Pb-206
-3.667 To 9999. %



MAT 8231

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

82-Pb-206
-6.457 To 9999. %

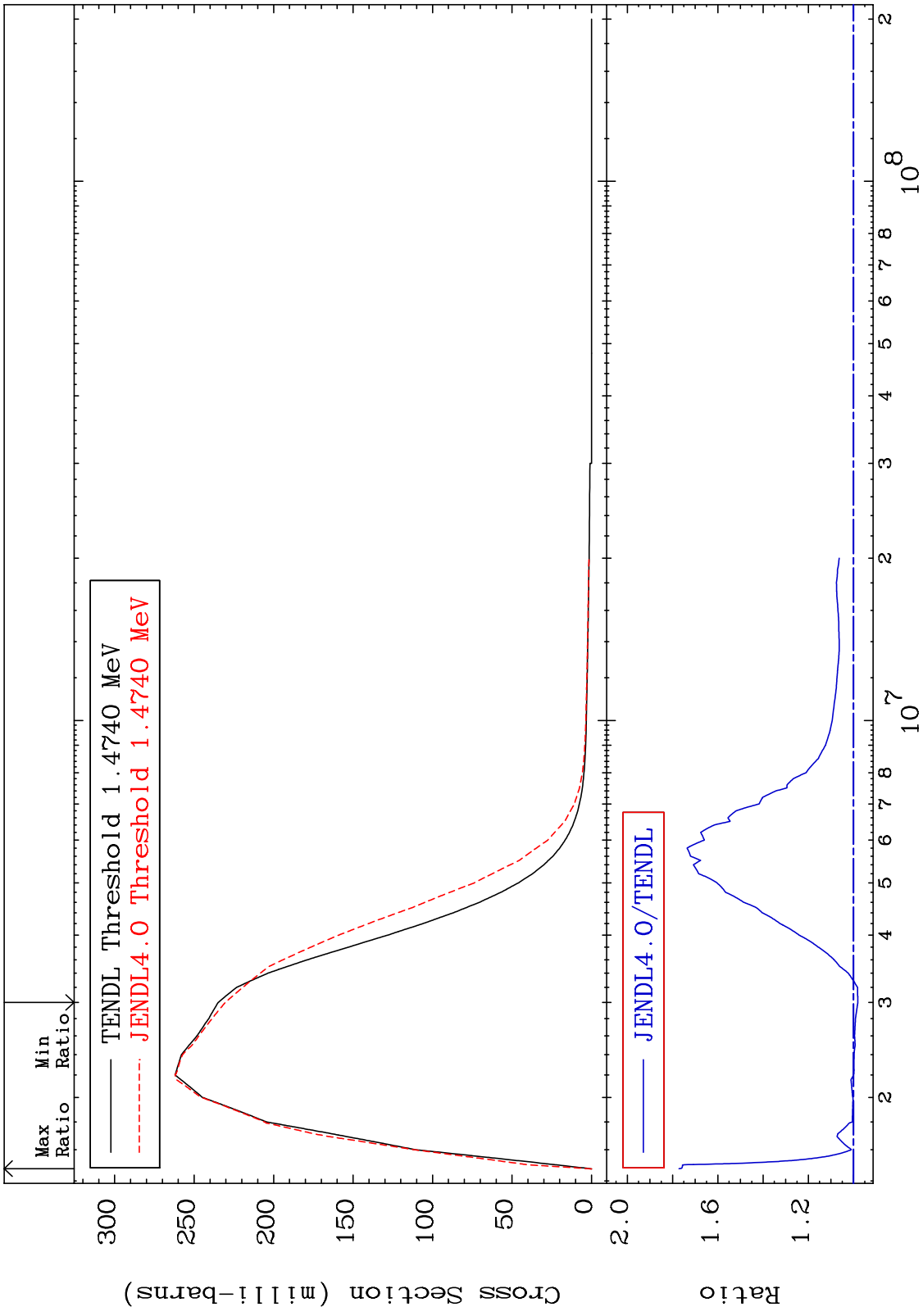


10

Incident Energy (eV)

82-Pb-206

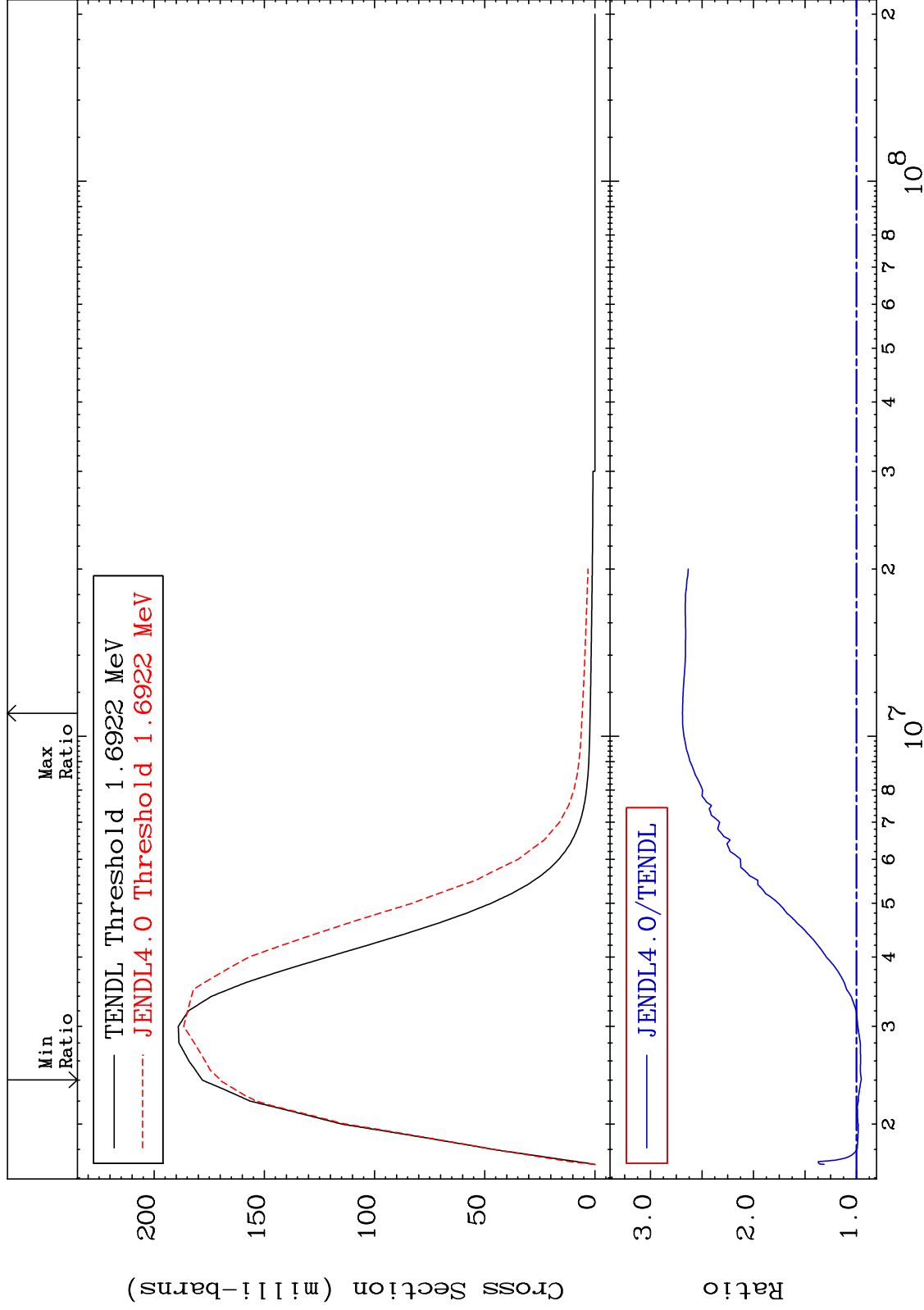
MAT 8231 MT= 54 (n,n') Level Cross Section -1.911 To 77.14 % 82-Pb-206



MAT 8231

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

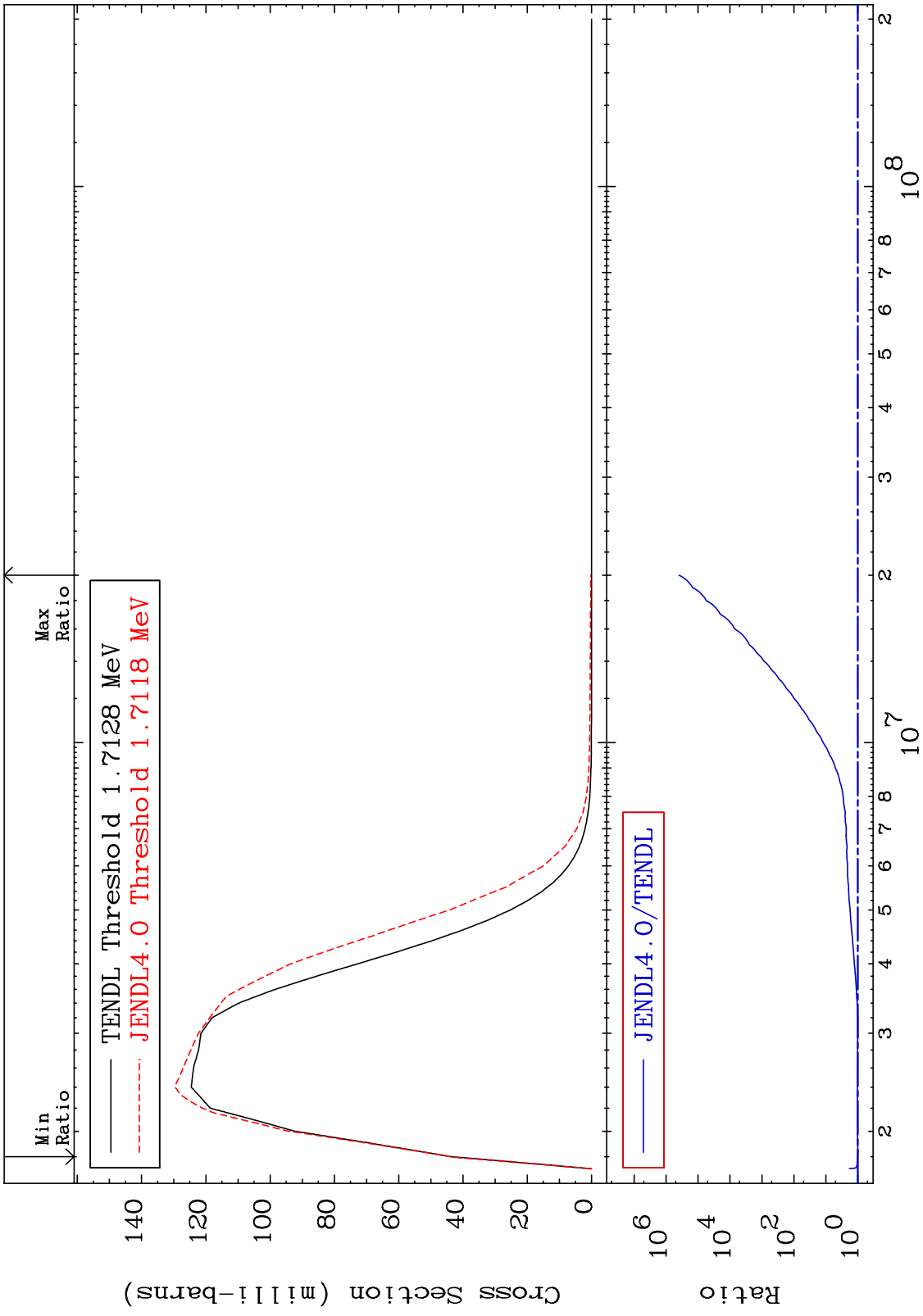
82-Pb-206
-4.673 To 169.0 %



12

82-Pb-206

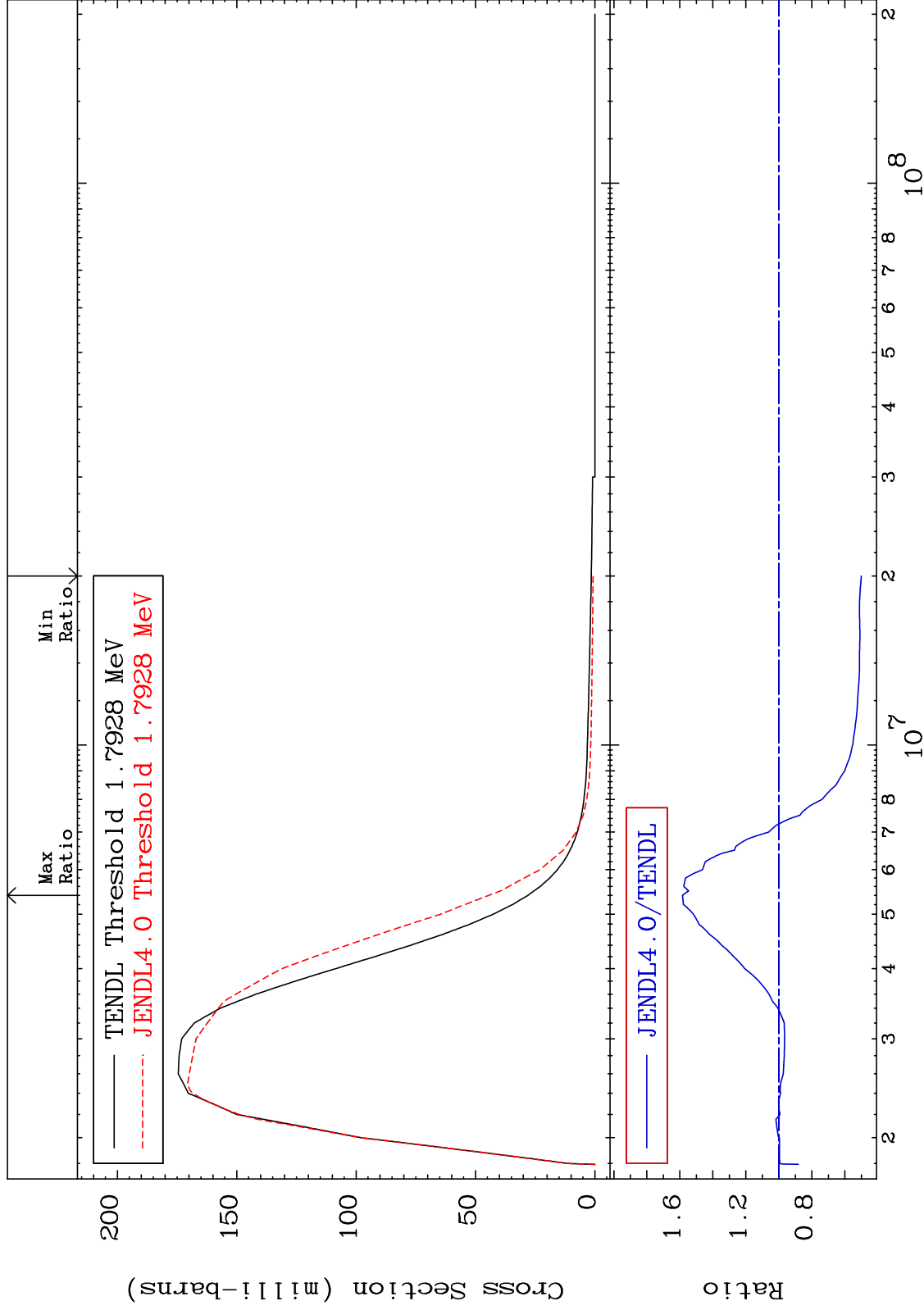
MAT 8231 MT= 56 (n,n') Level Cross Section 82-Pb-206 To 9999. %
 0.016



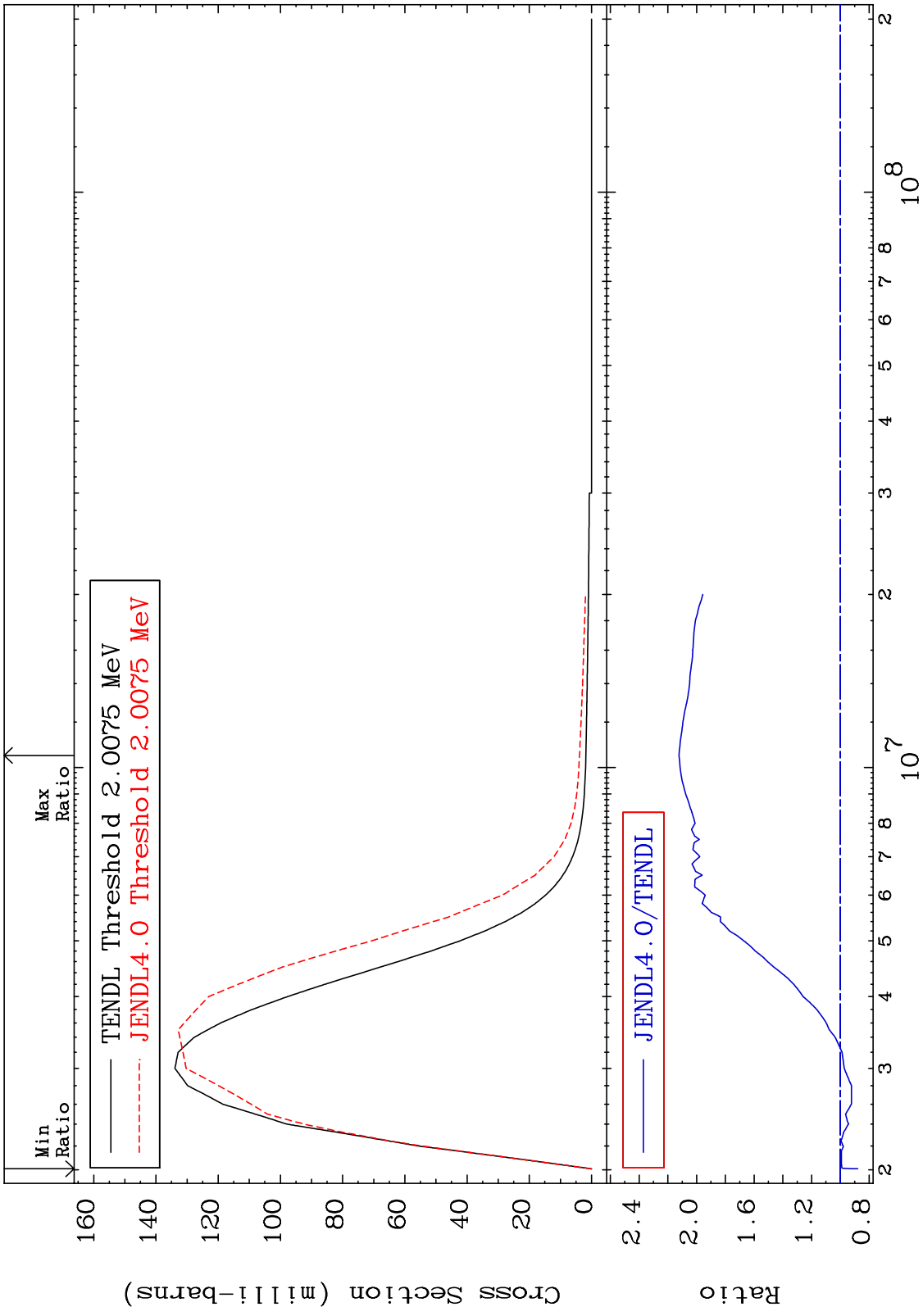
MAT 8231

MT= 57 (n,n') Level
Cross Section

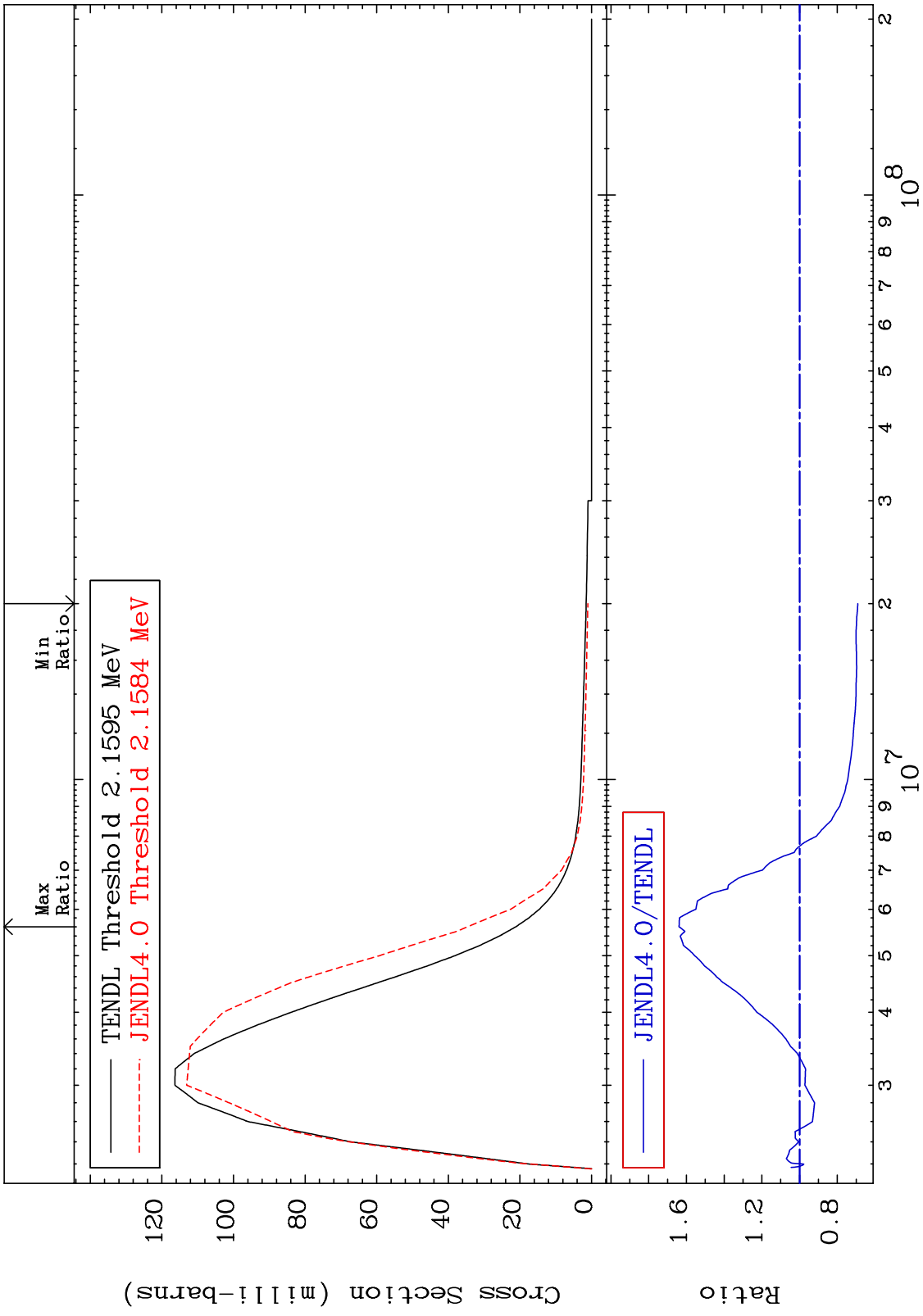
82-Pb-206
-49.96 To 58.42 %



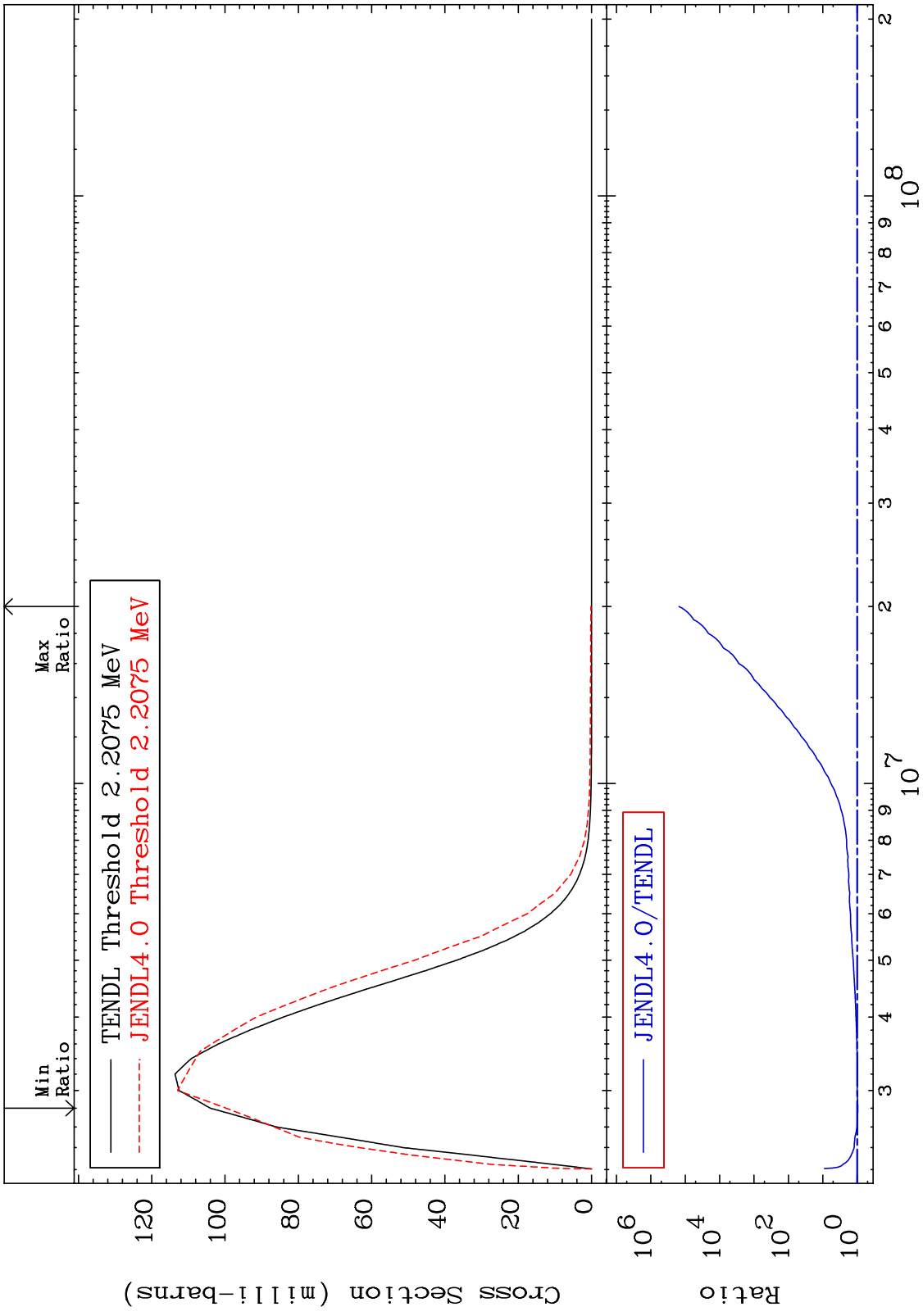
MAT 8231 MT= 58 (n,n') Level Cross Section 82-Pb-206
 -12.16 To 112.2 %



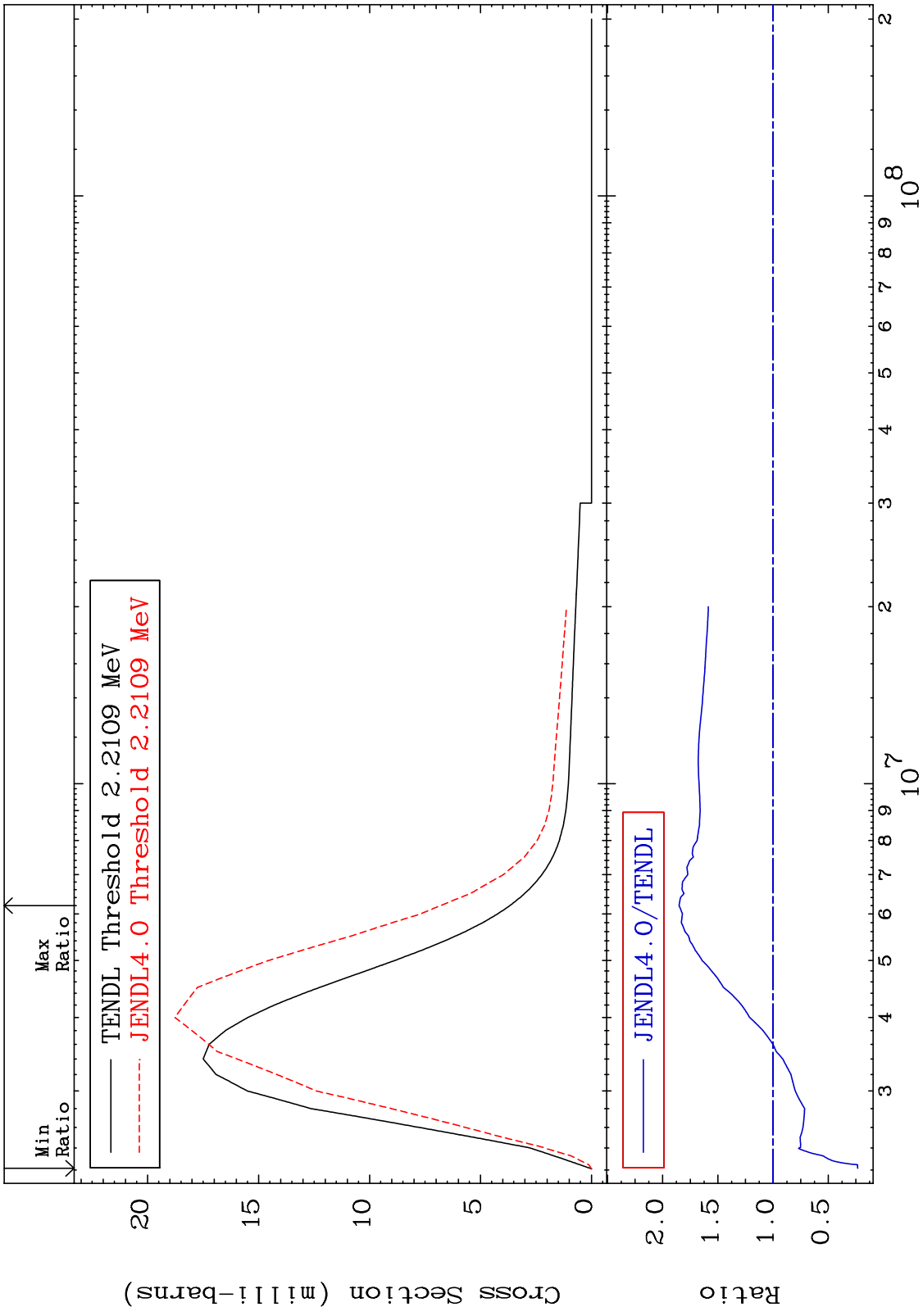
MAT 8231 MT= 59 (n,n') Level Cross Section 82-Pb-206
 -30.88 To 63.91 %



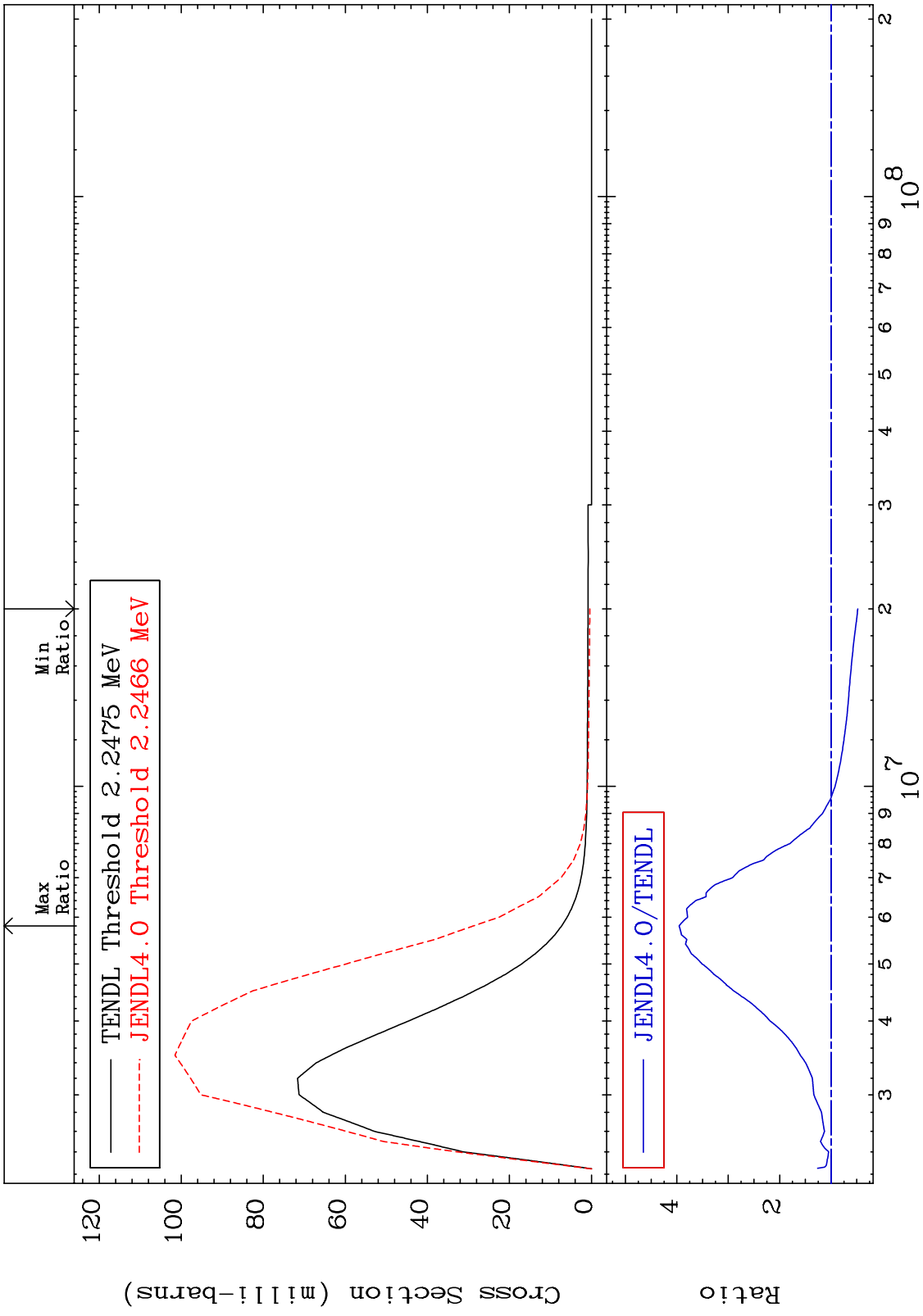
MAT 8231 MT= 60 (n,n') Level Cross Section 82-Pb-206
 -4.153 To 9999. %



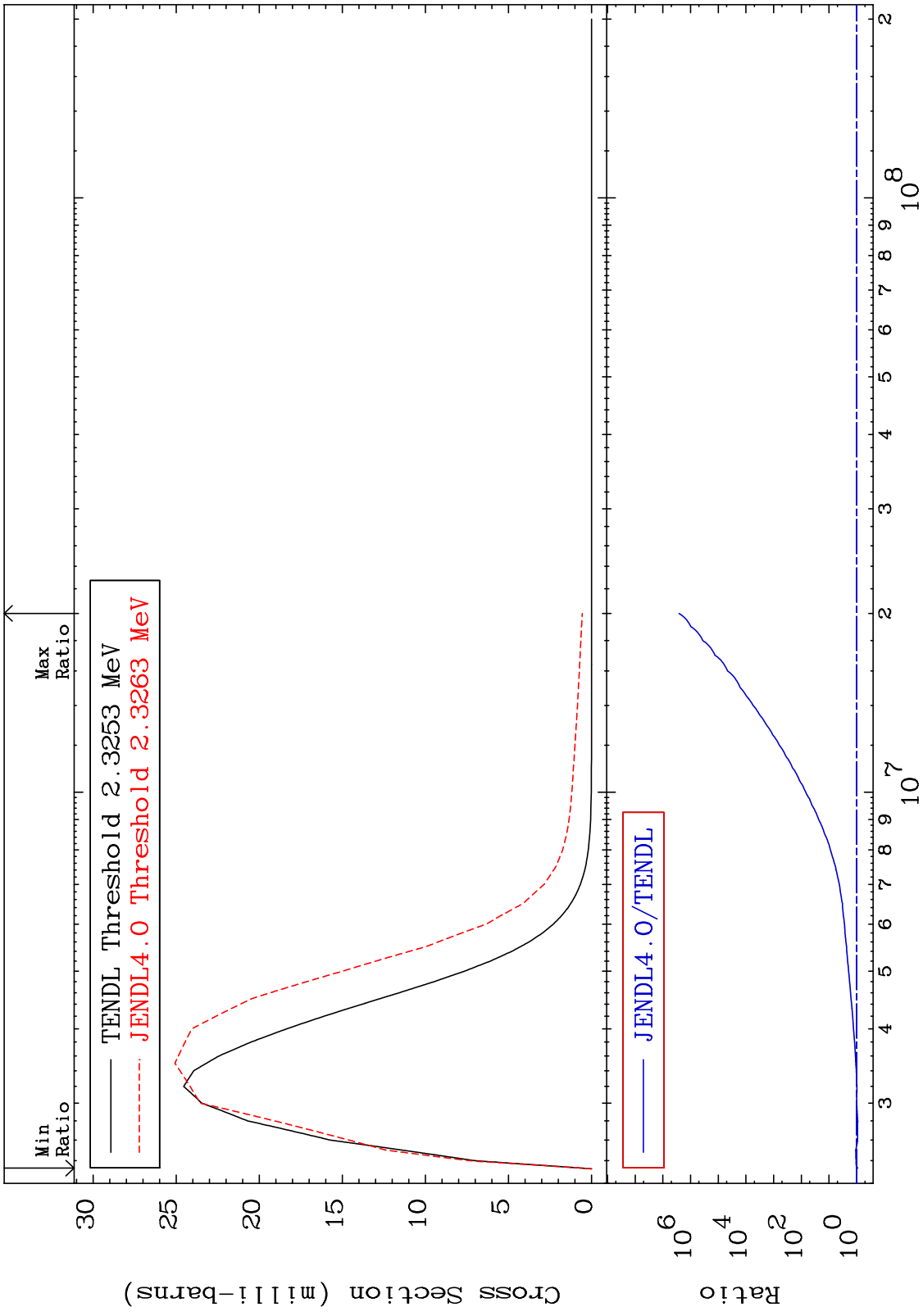
MAT 8231 MT= 61 (n,n') Level Cross Section 82-Pb-206
 -76.77 To 85.14 %



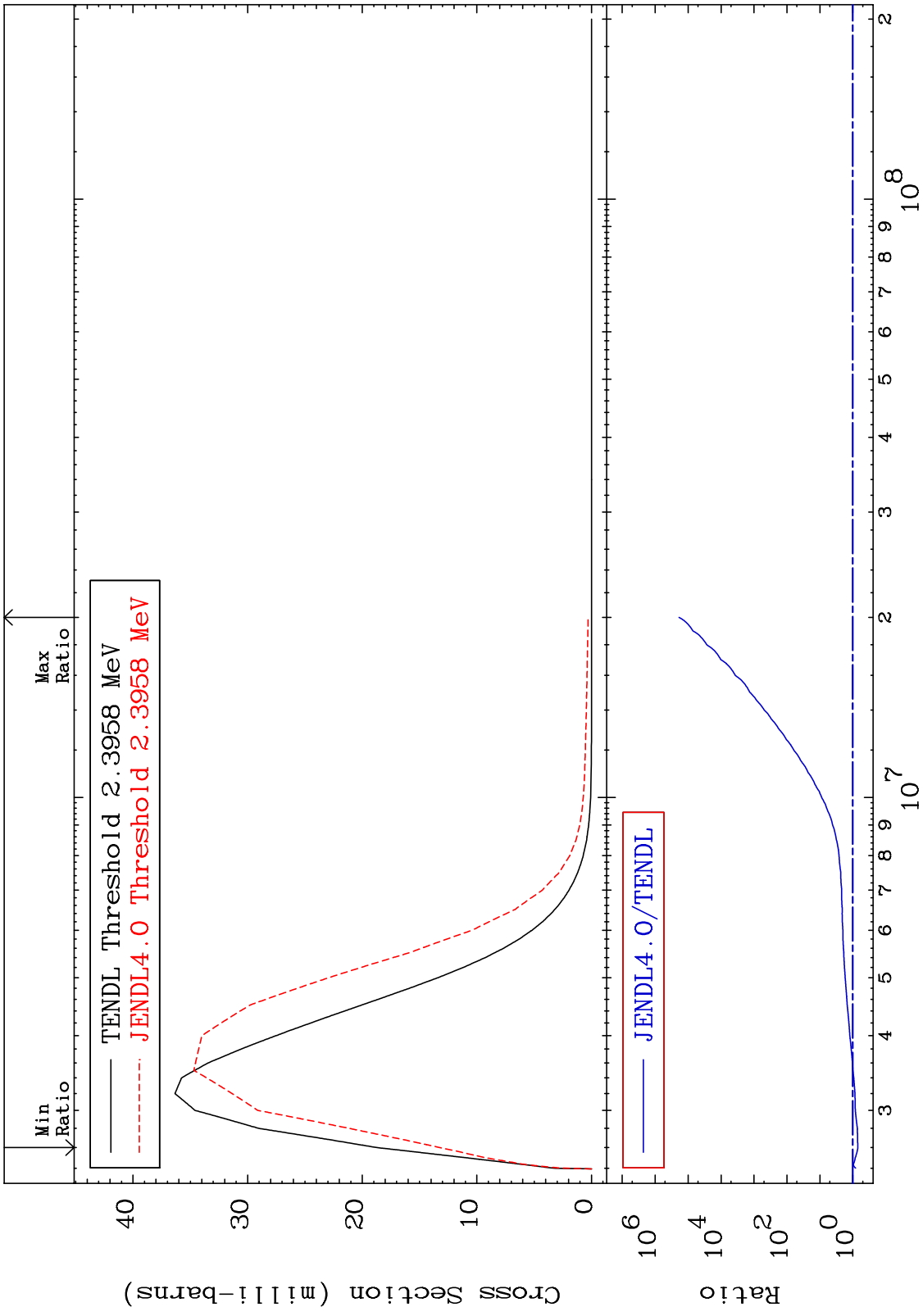
MAT 8231 MT= 62 (n,n') Level Cross Section 82-Pb-206
 -52.07 To 295.8 %



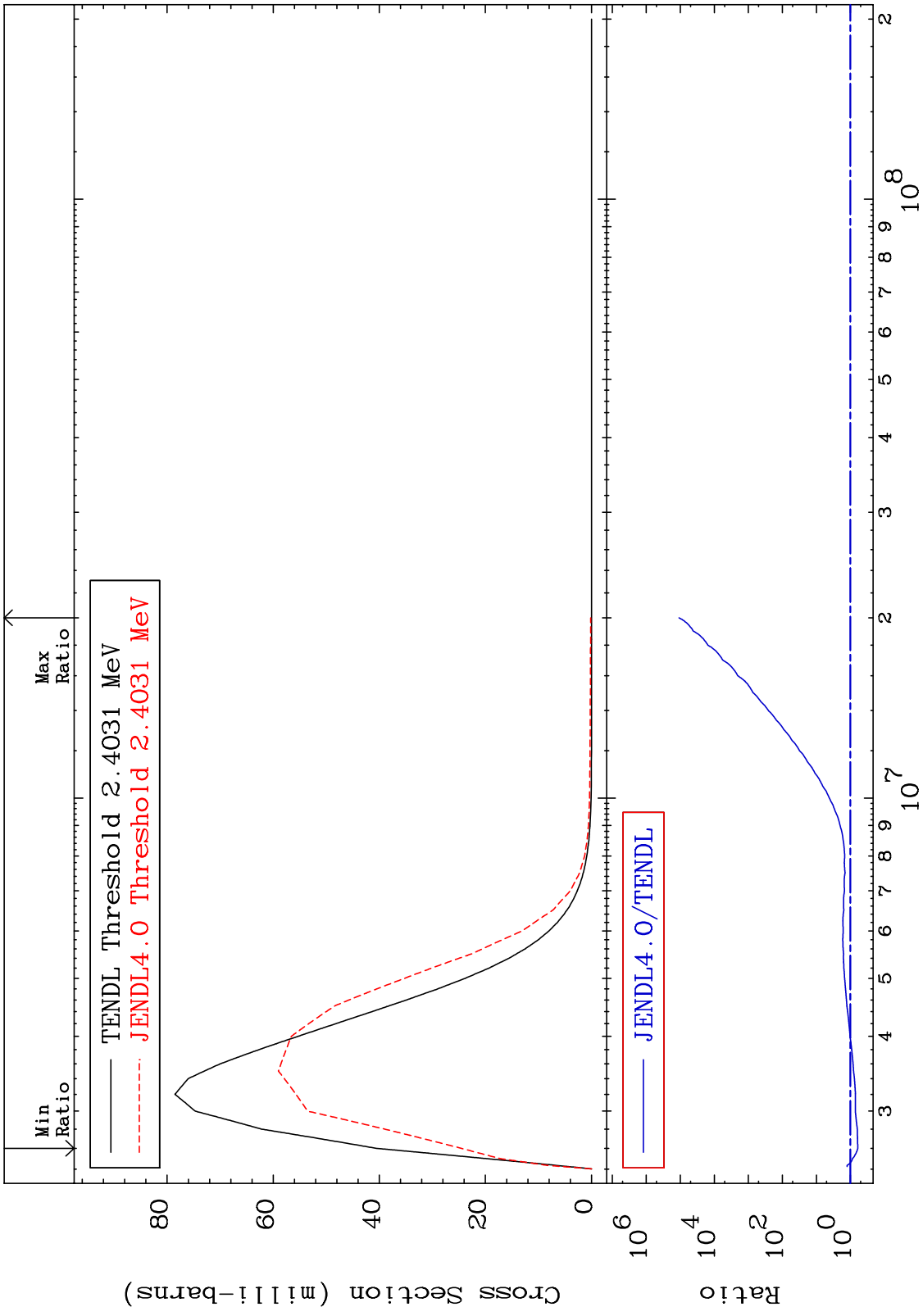
MAT 8231 MT= 63 (n,n') Level Cross Section 82-Pb-206
 -8.963 To 9999. %



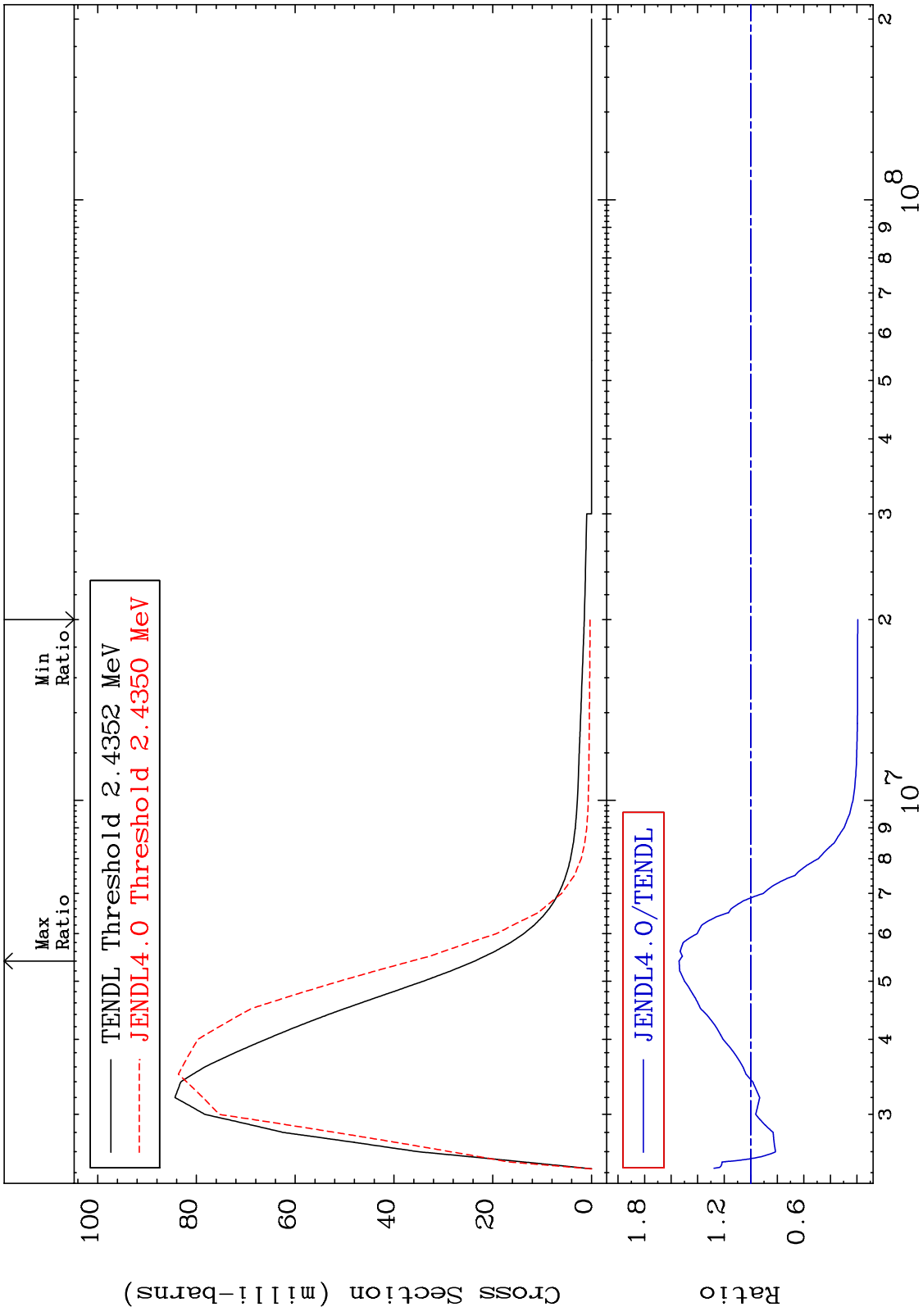
MAT 8231 MT= 64 (n,n') Level Cross Section 82-Pb-206
 -29.42 To 9999. %



MAT 8231 MT= 65 (n,n') Level Cross Section 82-Pb-206
 -39.47 To 9999. %



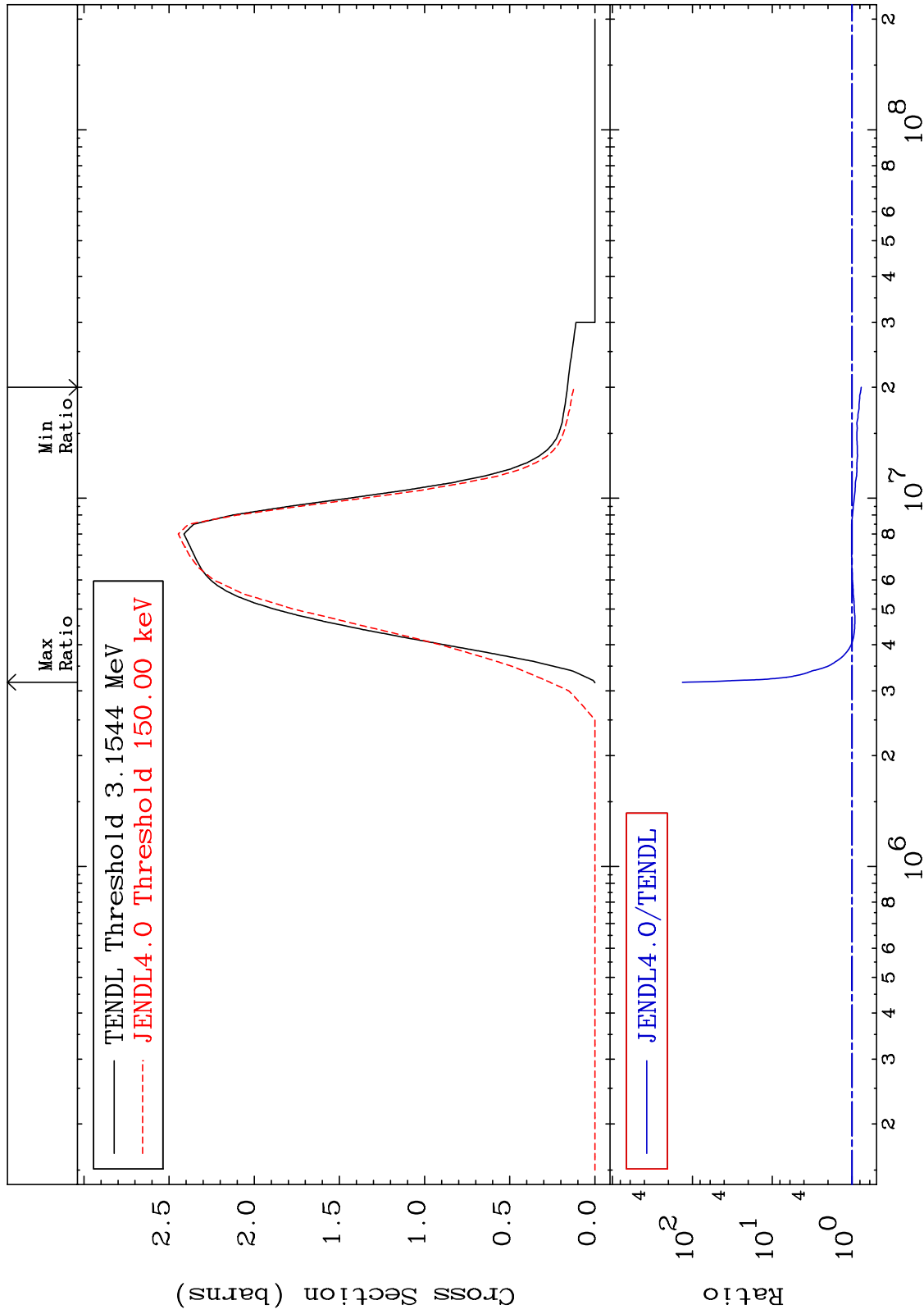
MAT 8231 MT= 66 (n,n') Level Cross Section 82-Pb-206
 -80.68 To 54.02 %



MAT 8231

(n, n') Continuum
Cross Section

82-Pb-206
-23.24 To 9999. %



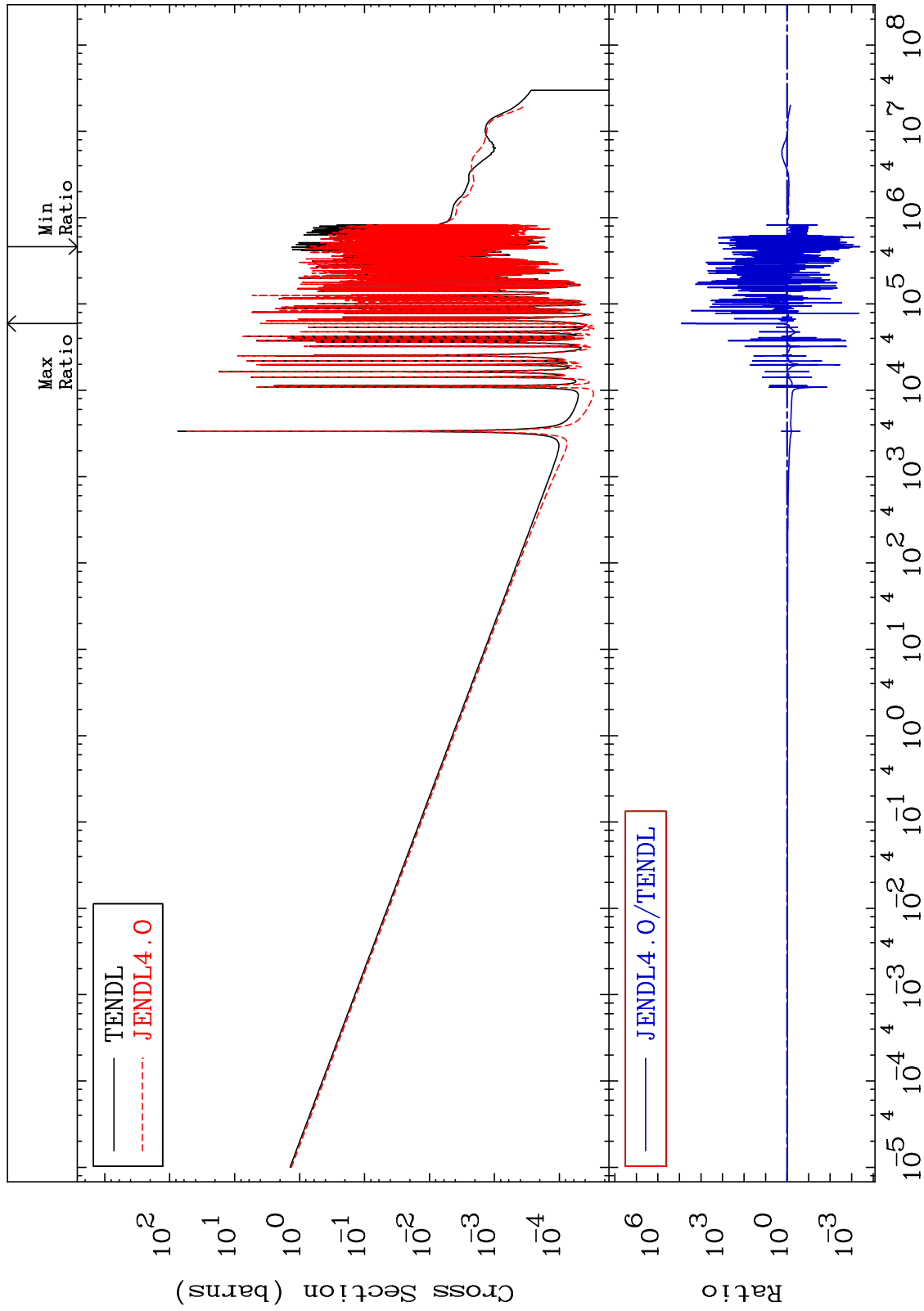
MAT 8231

(n, γ)

82-Pb-206

Cross Section

-99.96 To 9999. %



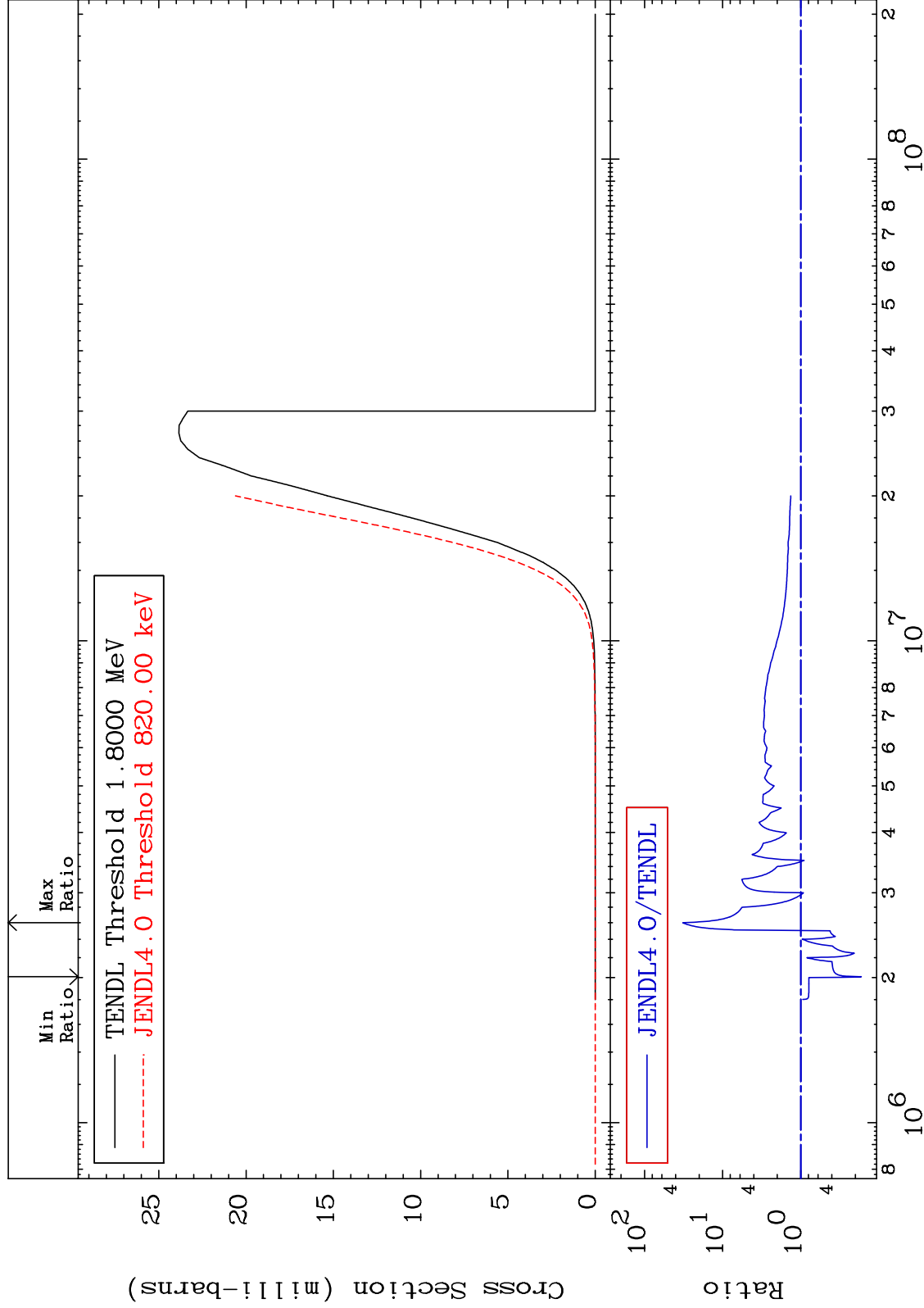
MAT 8231

(n,p)

82-Pb-206

Cross Section

-83.21 To 3152. %



26

82-Pb-206

82-Pb-206

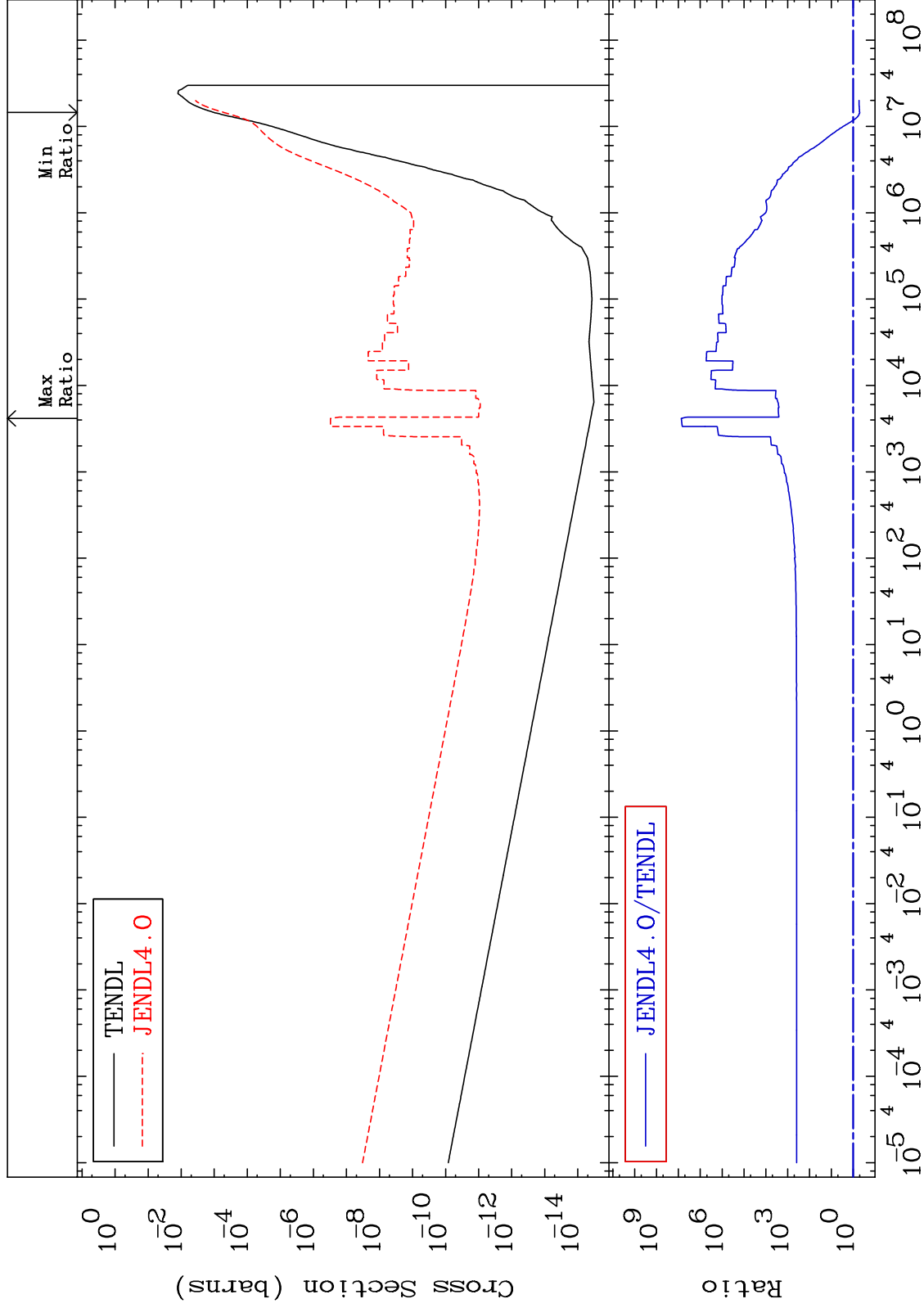
MAT 8231

(n, α)

82-Pb-206

Cross Section

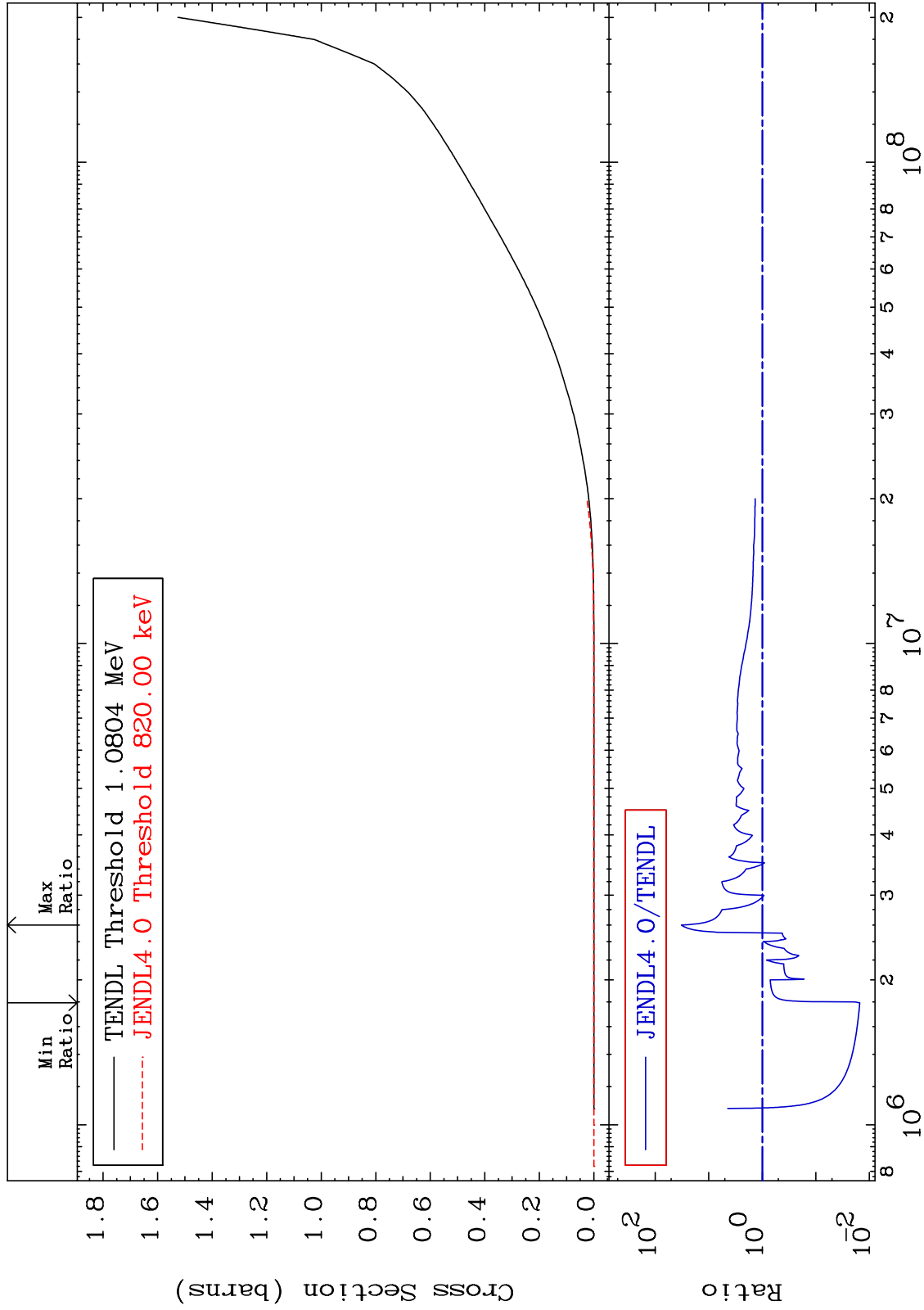
-49.75 To 9999. %



MAT 8231

Hydrogen Production
Cross Section

82-Pb-206
-98.49 To 3152. %



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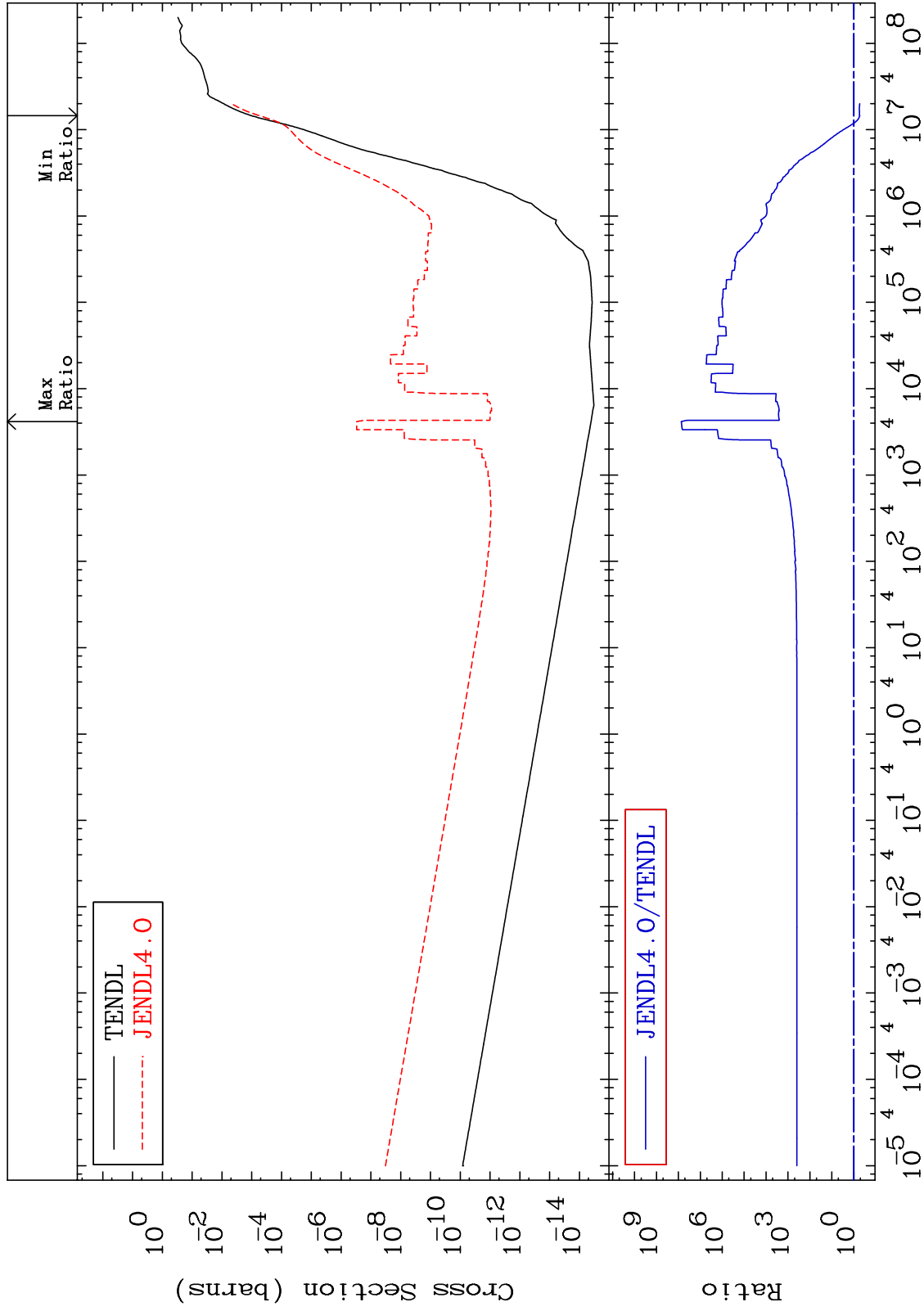
Incident Energy (eV)

82-Pb-206

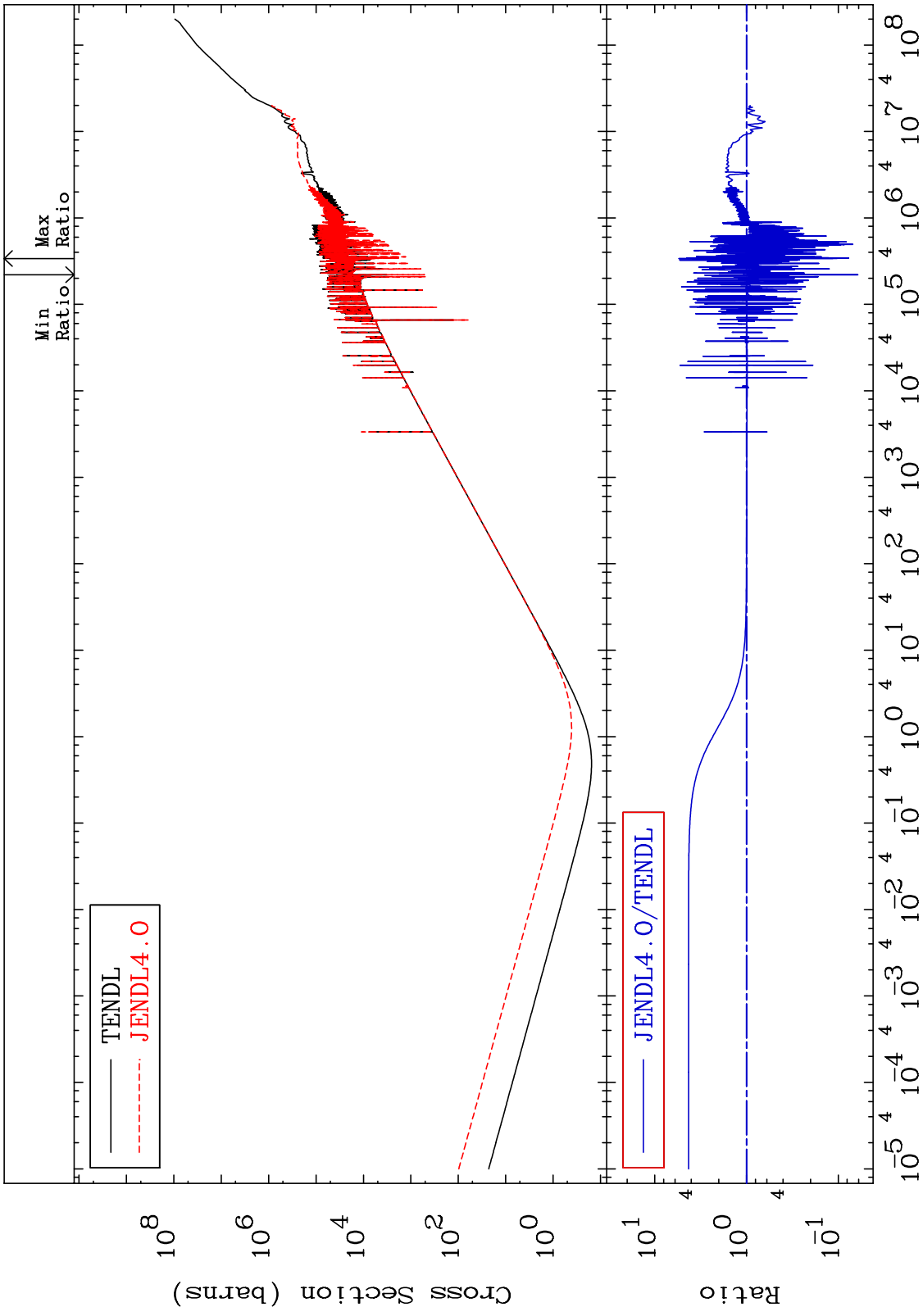
MAT 8231

He-4 Production
Cross Section

82-Pb-206
-46.93 To 9999. %



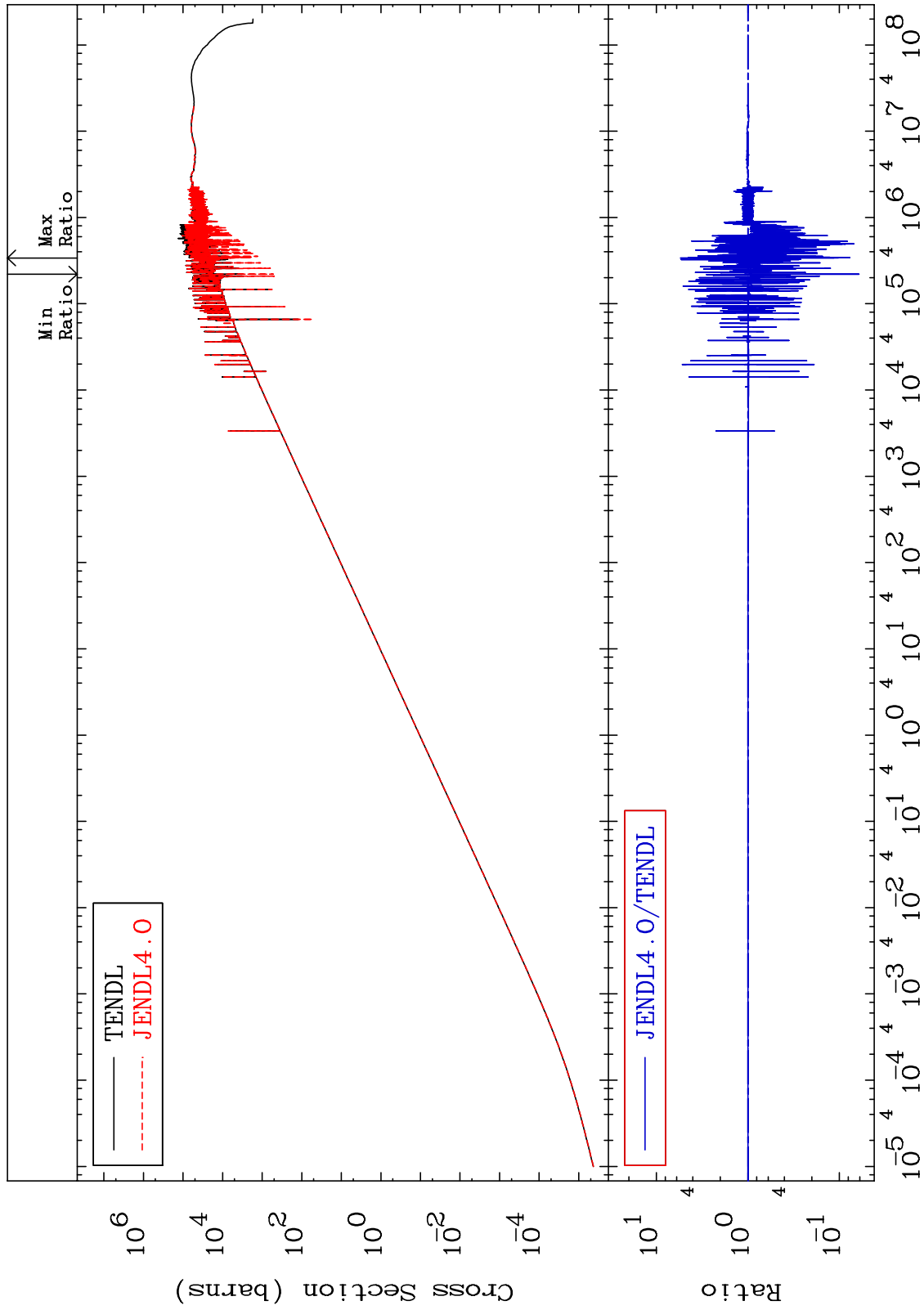
MAT 8231 Kerma total (eV-barns)
 Cross Section 82-Pb-206
 -93.89 To 443.4 %



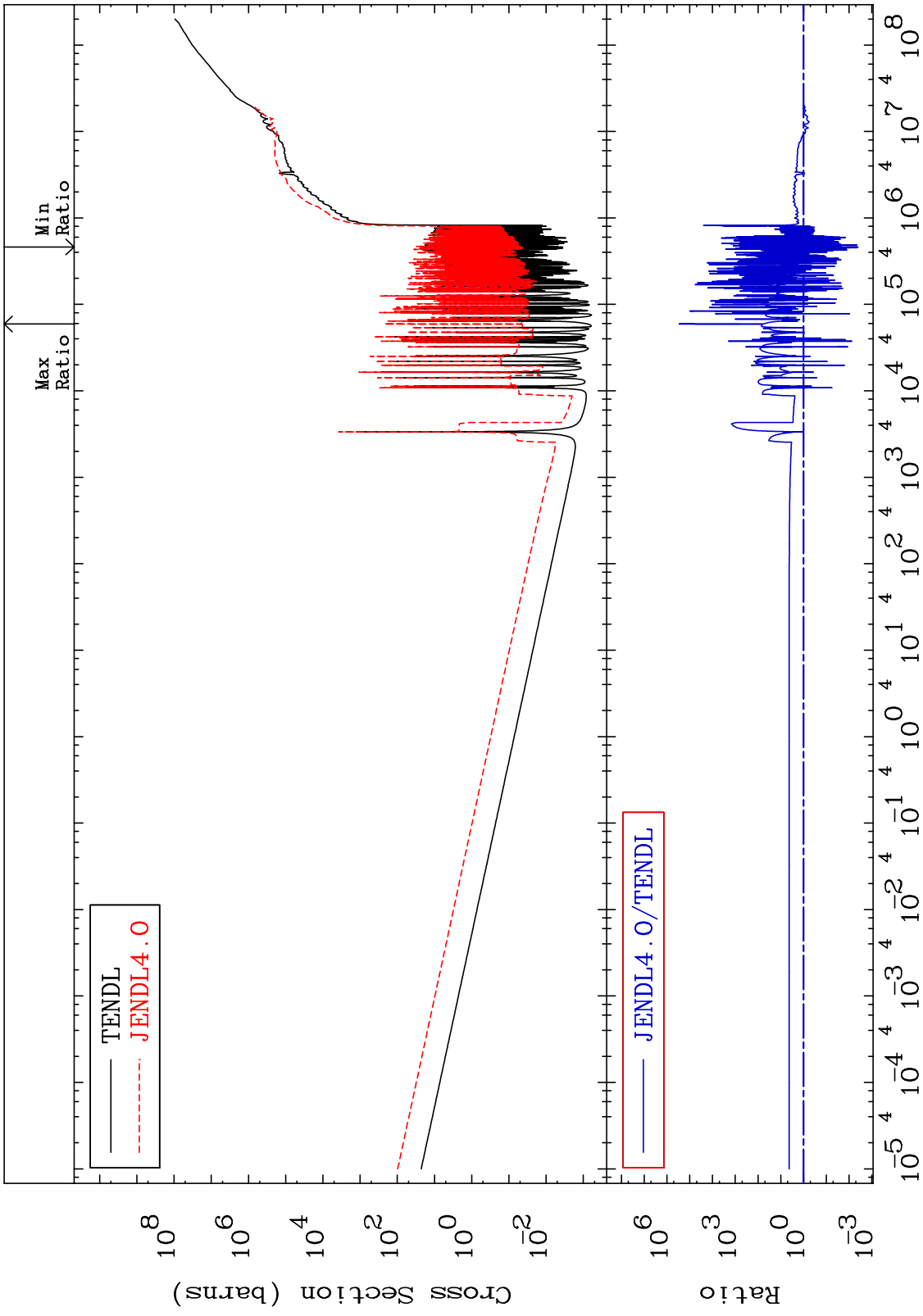
MAT 8231

Kerma elastic
Cross Section

82-Pb-206
-93.89 To 443.3 %



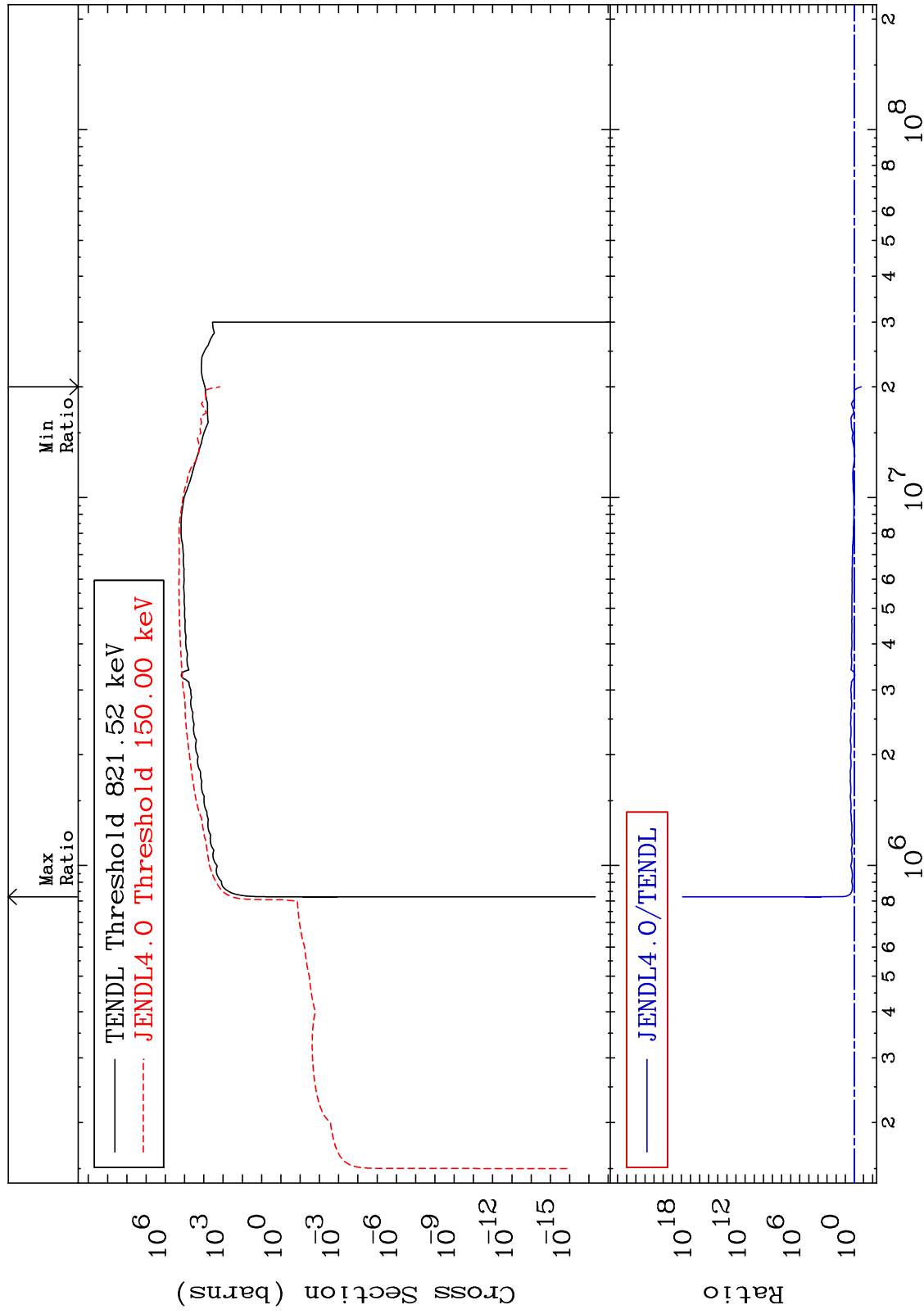
MAT 8231 Kerma non-elastic (all but mt2) 82-Pb-206
 Cross Section -99.59 To 9999. %



MAT 8231

Kerma inelastic (mt51-91)
Cross Section

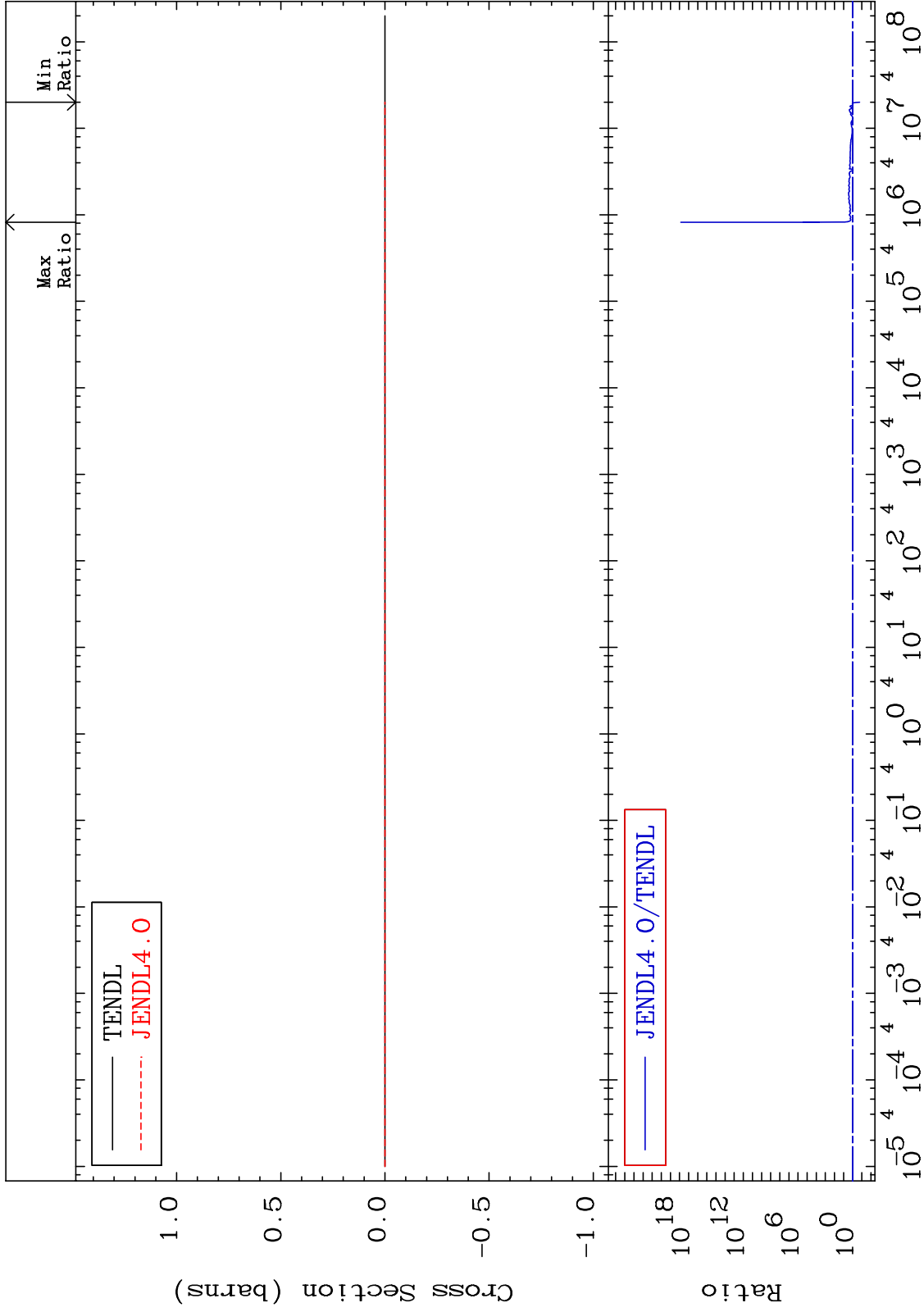
82-Pb-206
-82.70 To 9999. %



MAT 8231

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

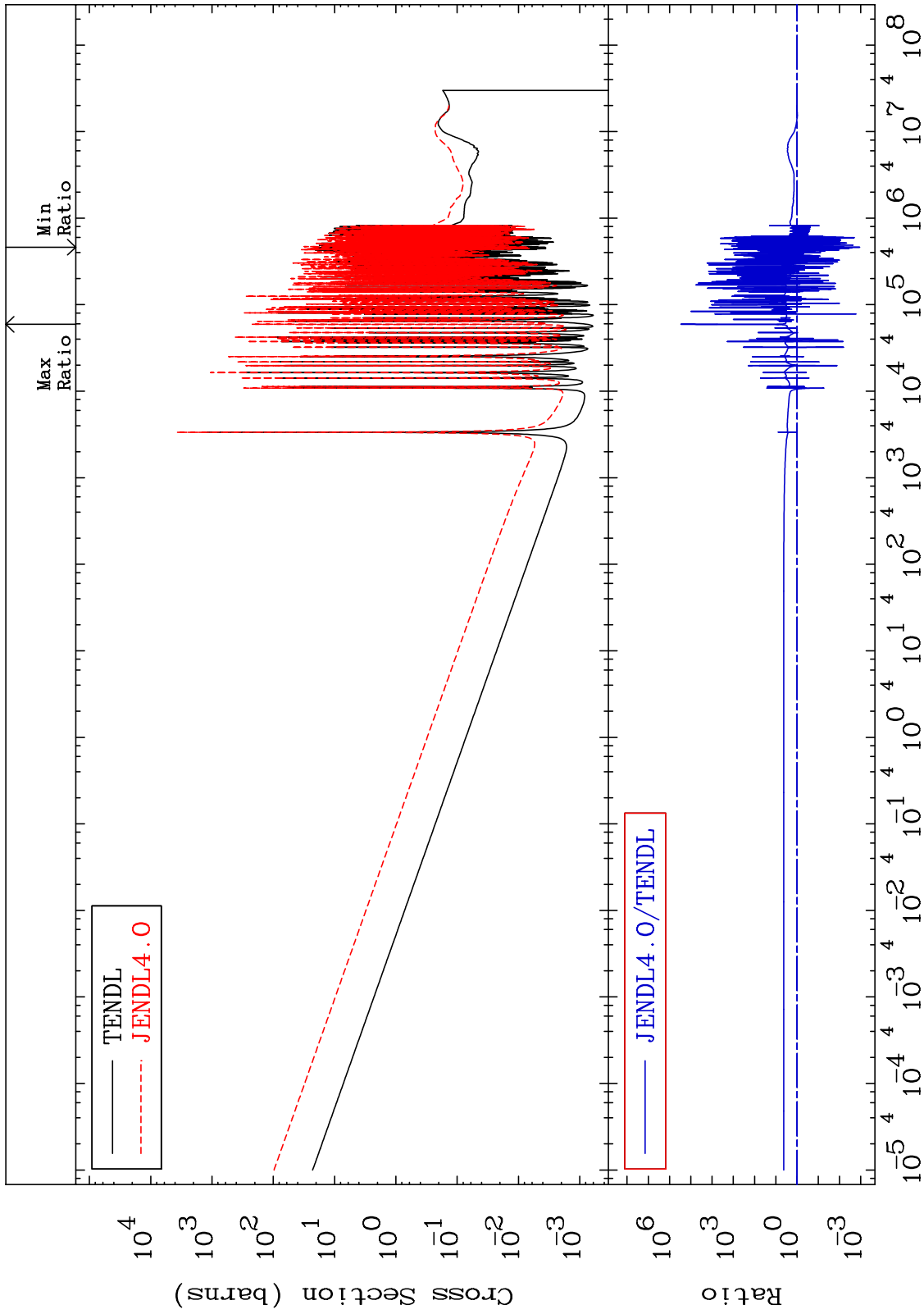
82-Pb-206
-82.70 To 9999. %



MAT 8231

Kerma capture (mt102)
Cross Section

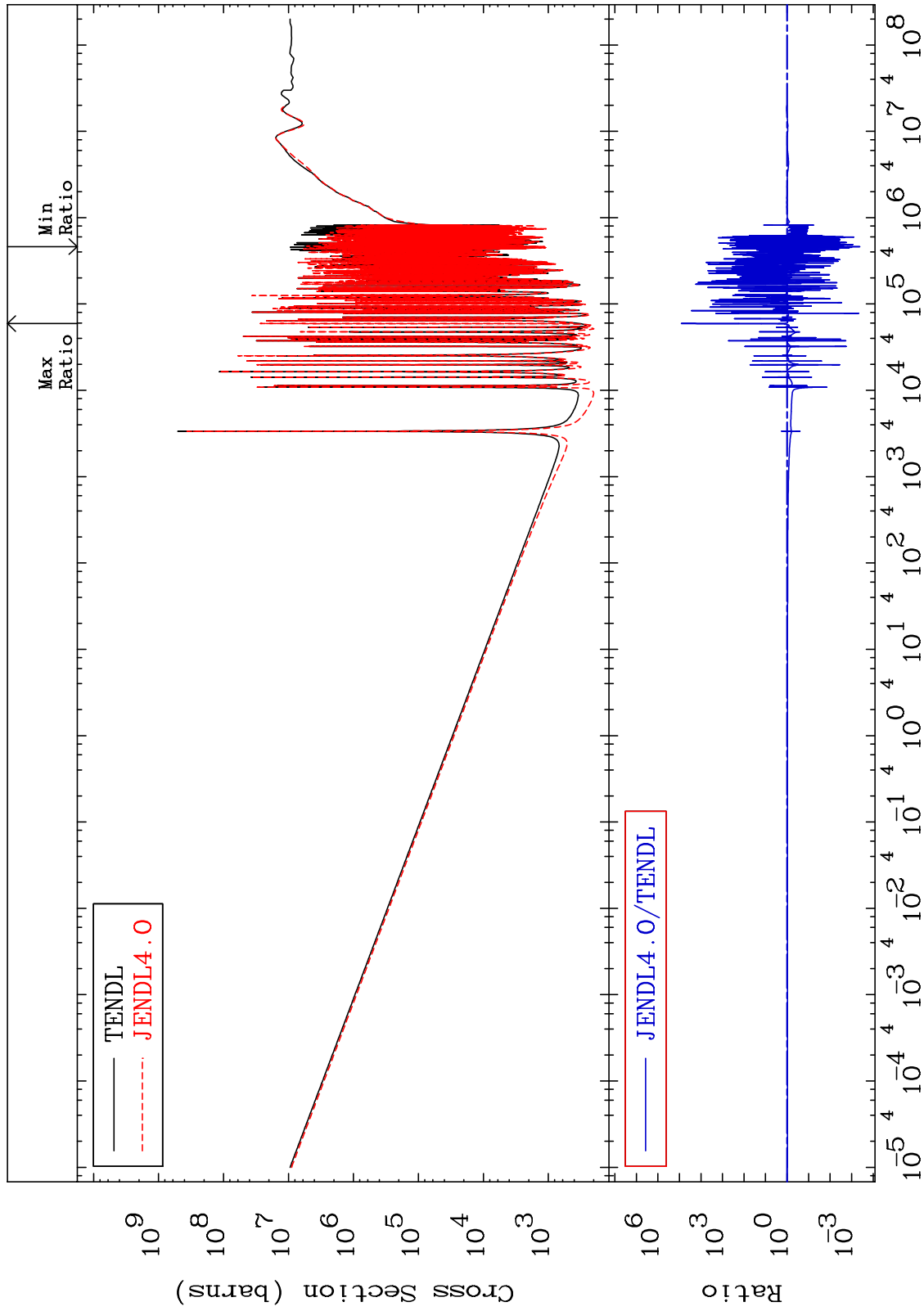
82-Pb-206
-99.89 To 9999. %



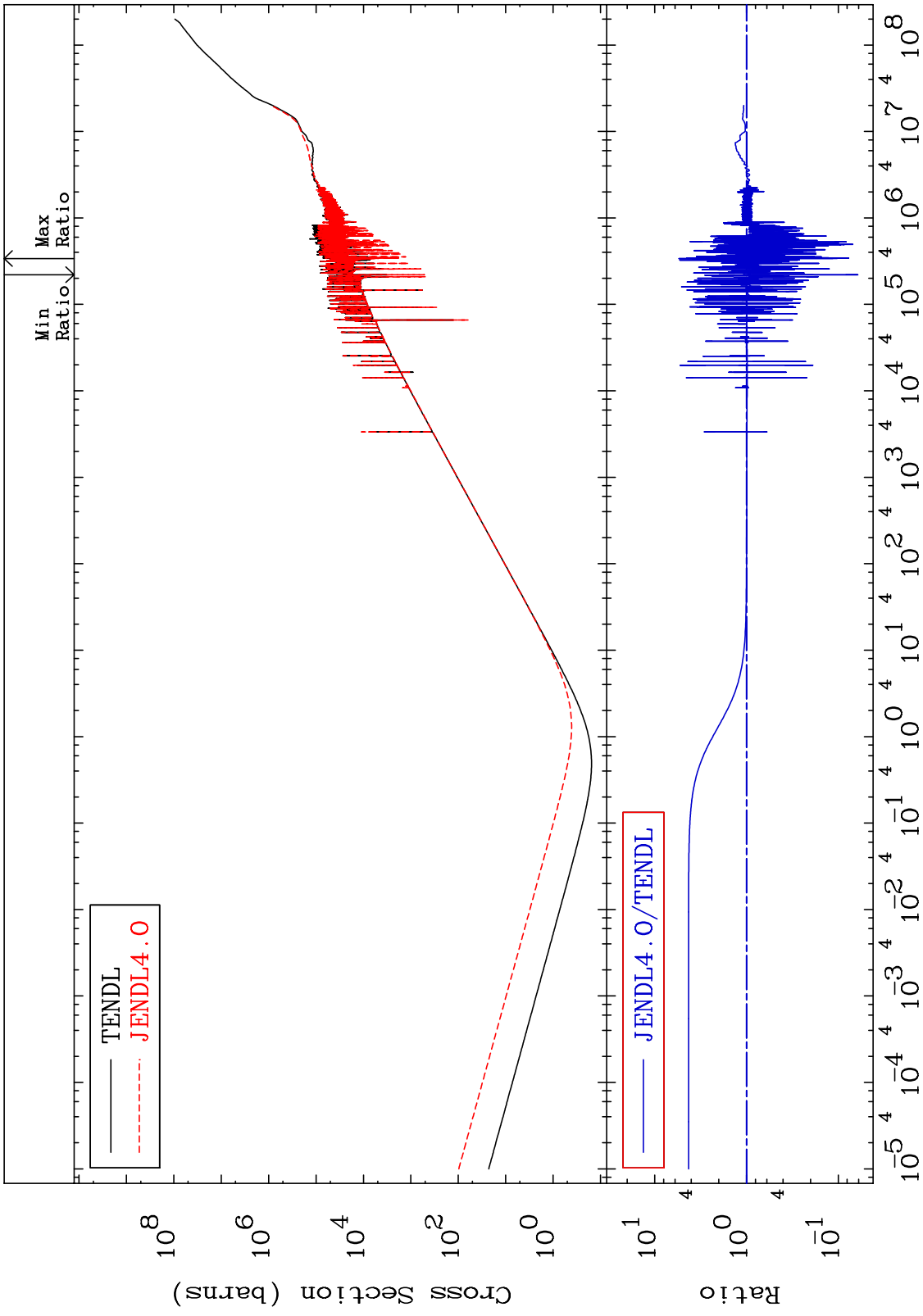
MAT 8231

Total photon (eV-barns)
Cross Section

82-Pb-206
-99.96 To 9999. %



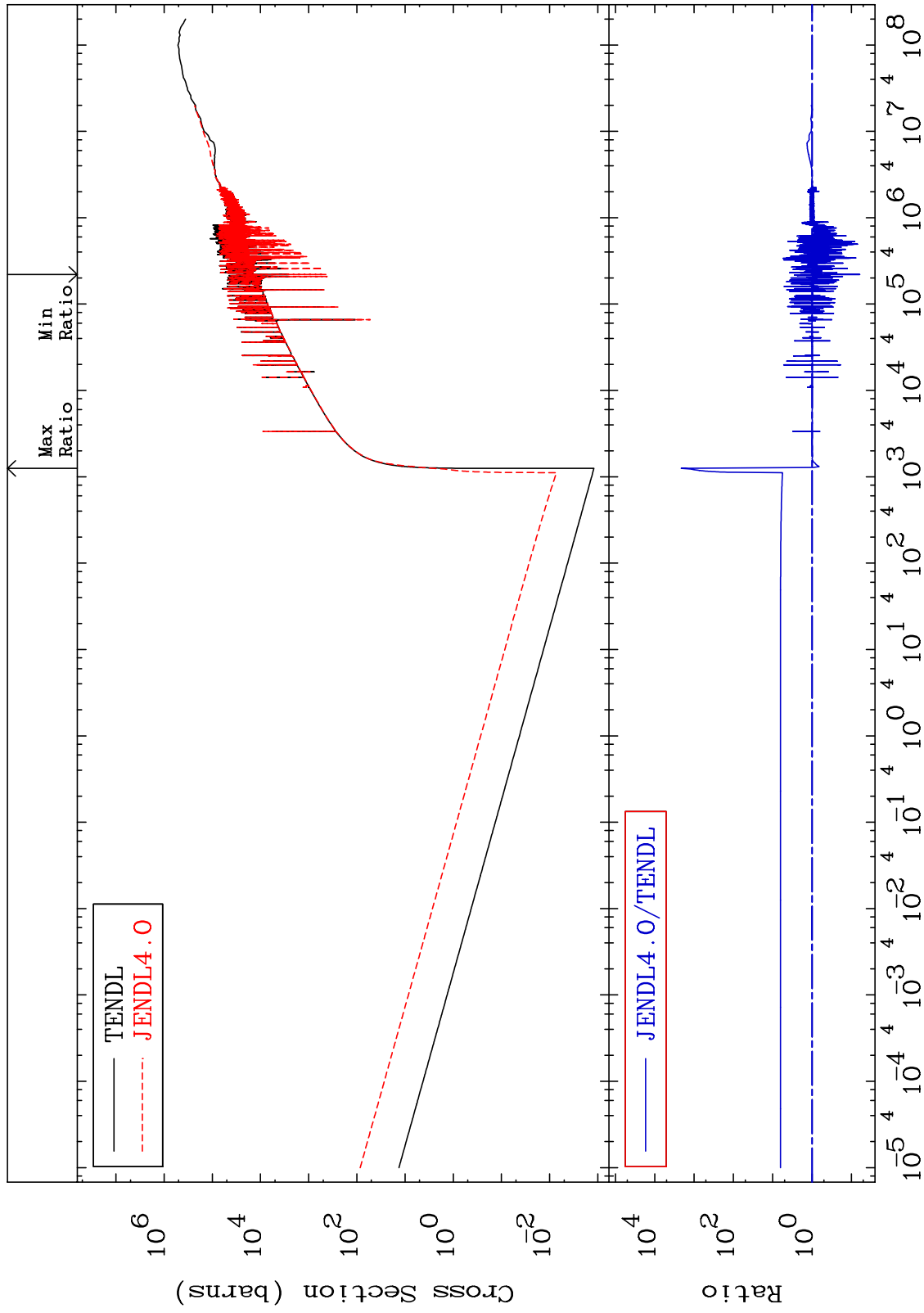
MAT 8231 Total kinematic kerma (high limit) 82-Pb-206
 Cross Section -93.89 To 443.4 %



MAT 8231

Dpa total (eV-barns)
Cross Section

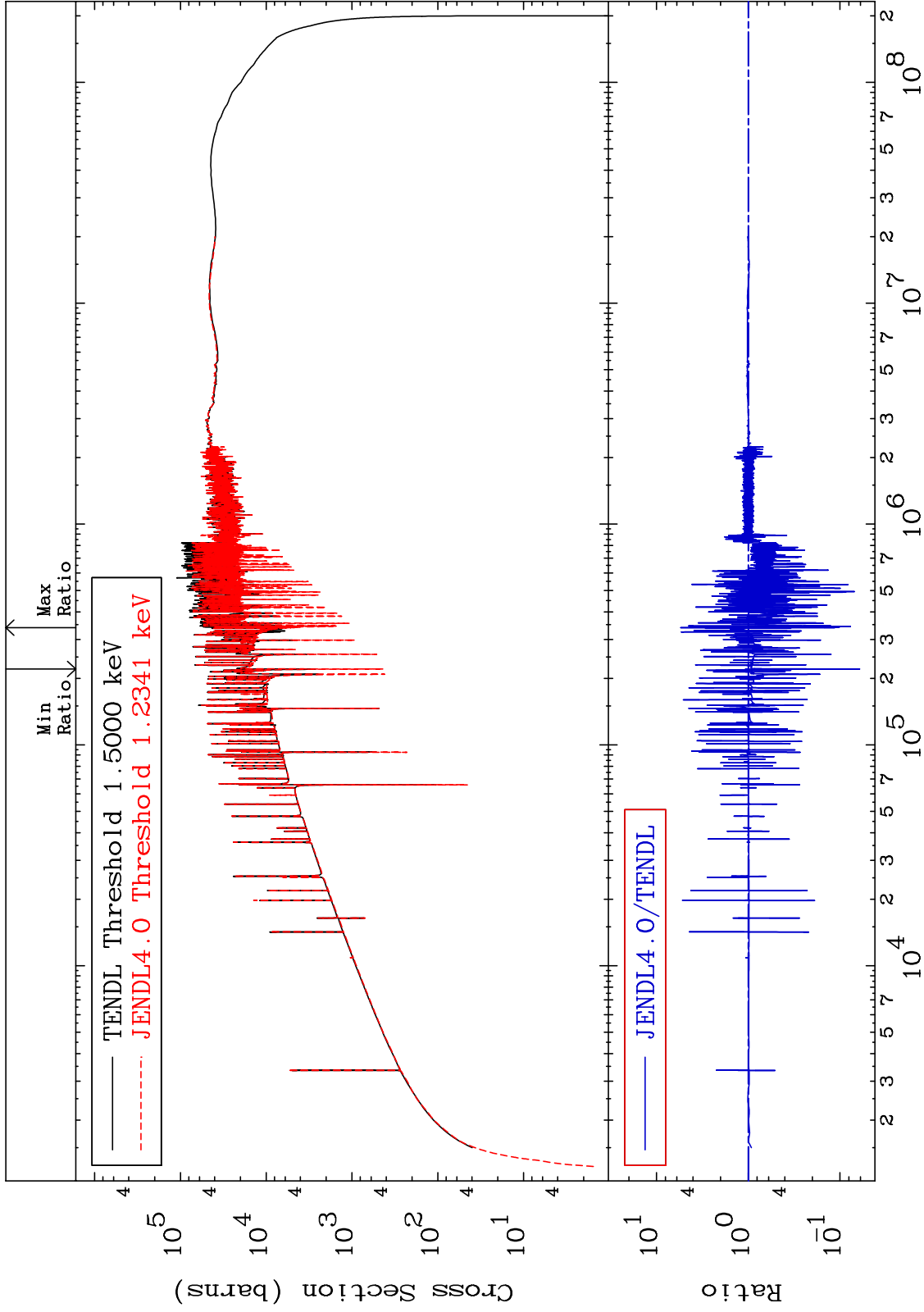
82-Pb-206
-93.89 To 9999. %



MAT 8231

Dpa elastic (mt2)
Cross Section

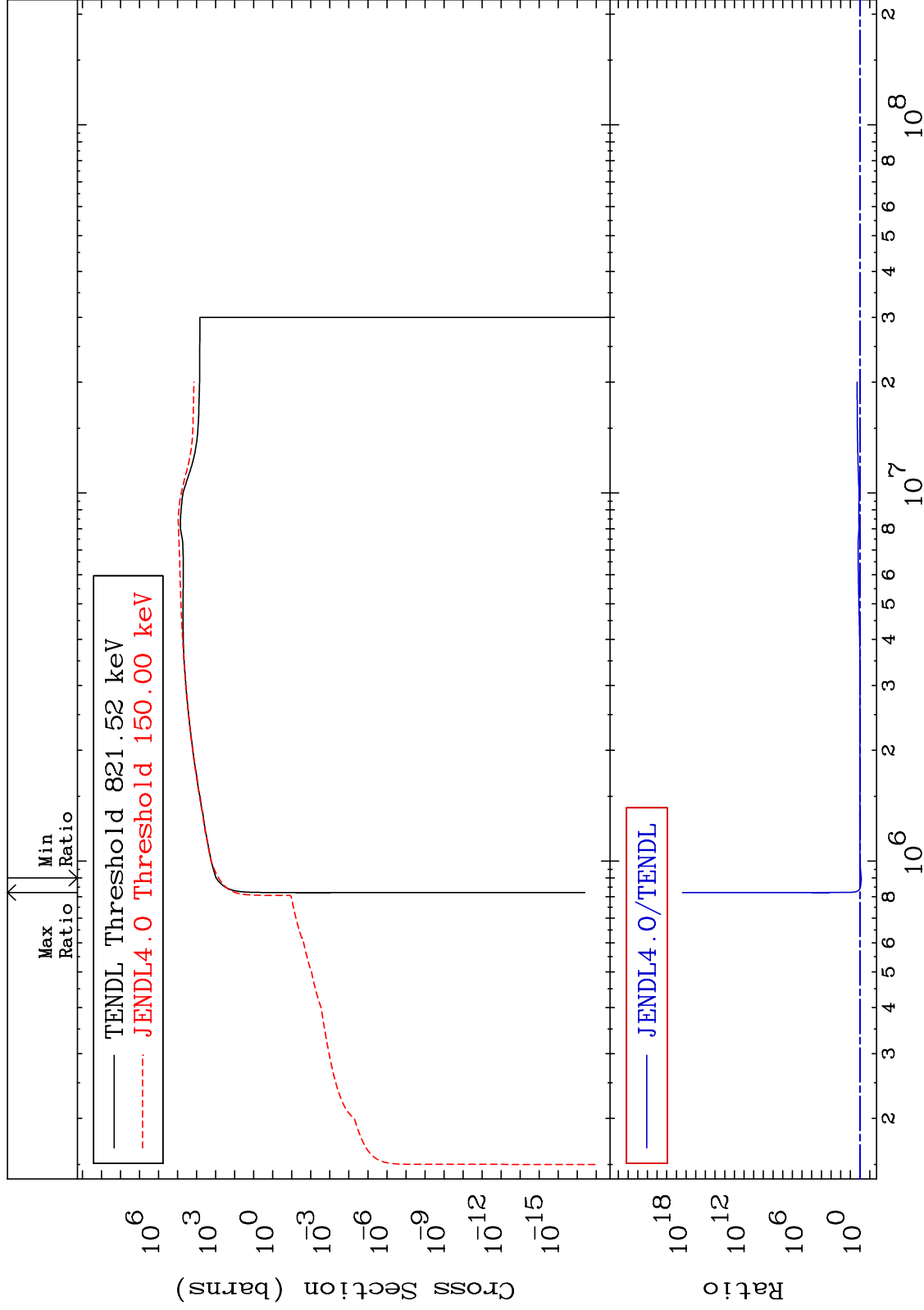
82-Pb-206
-93.89 To 443.3 %



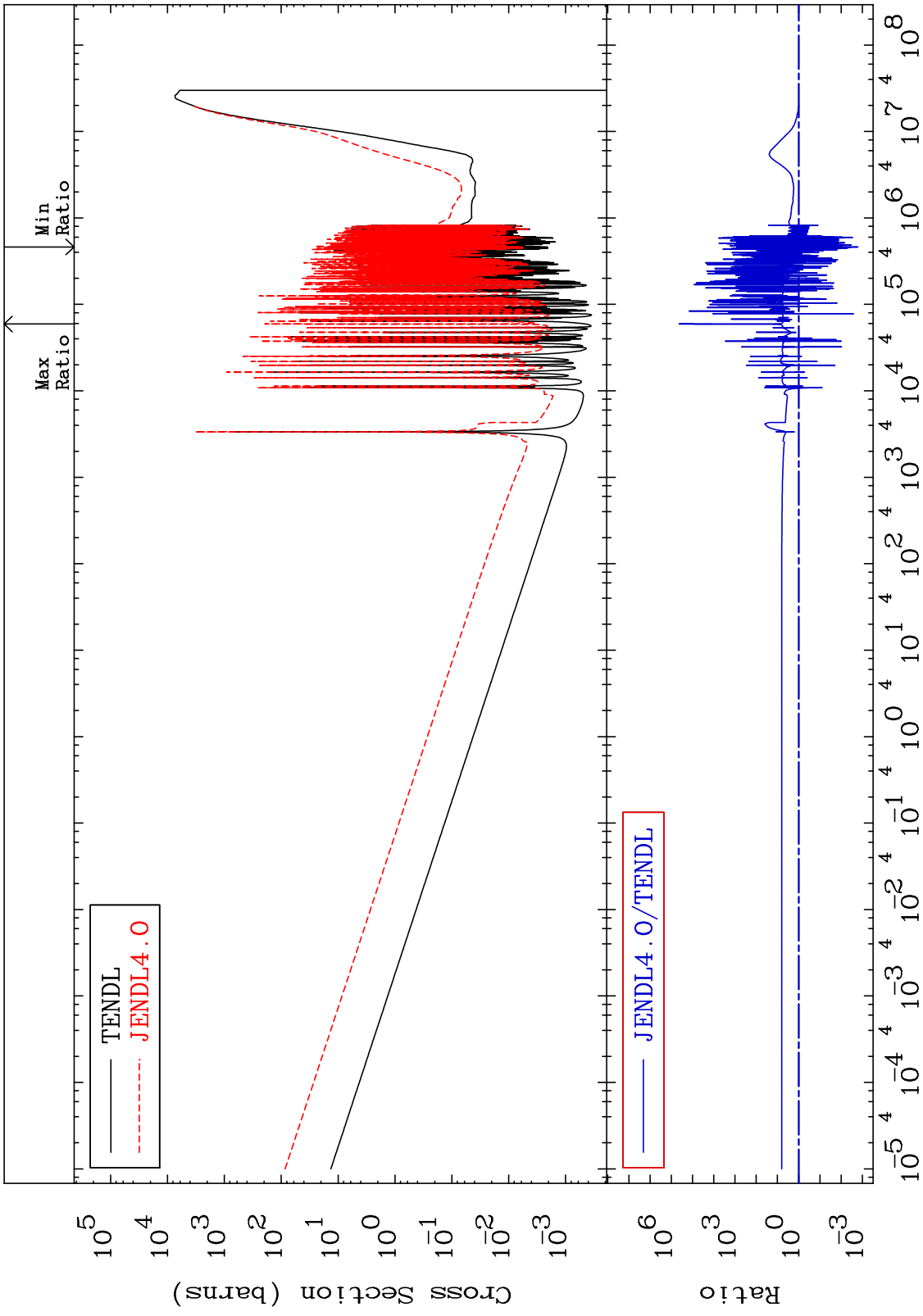
MAT 8231

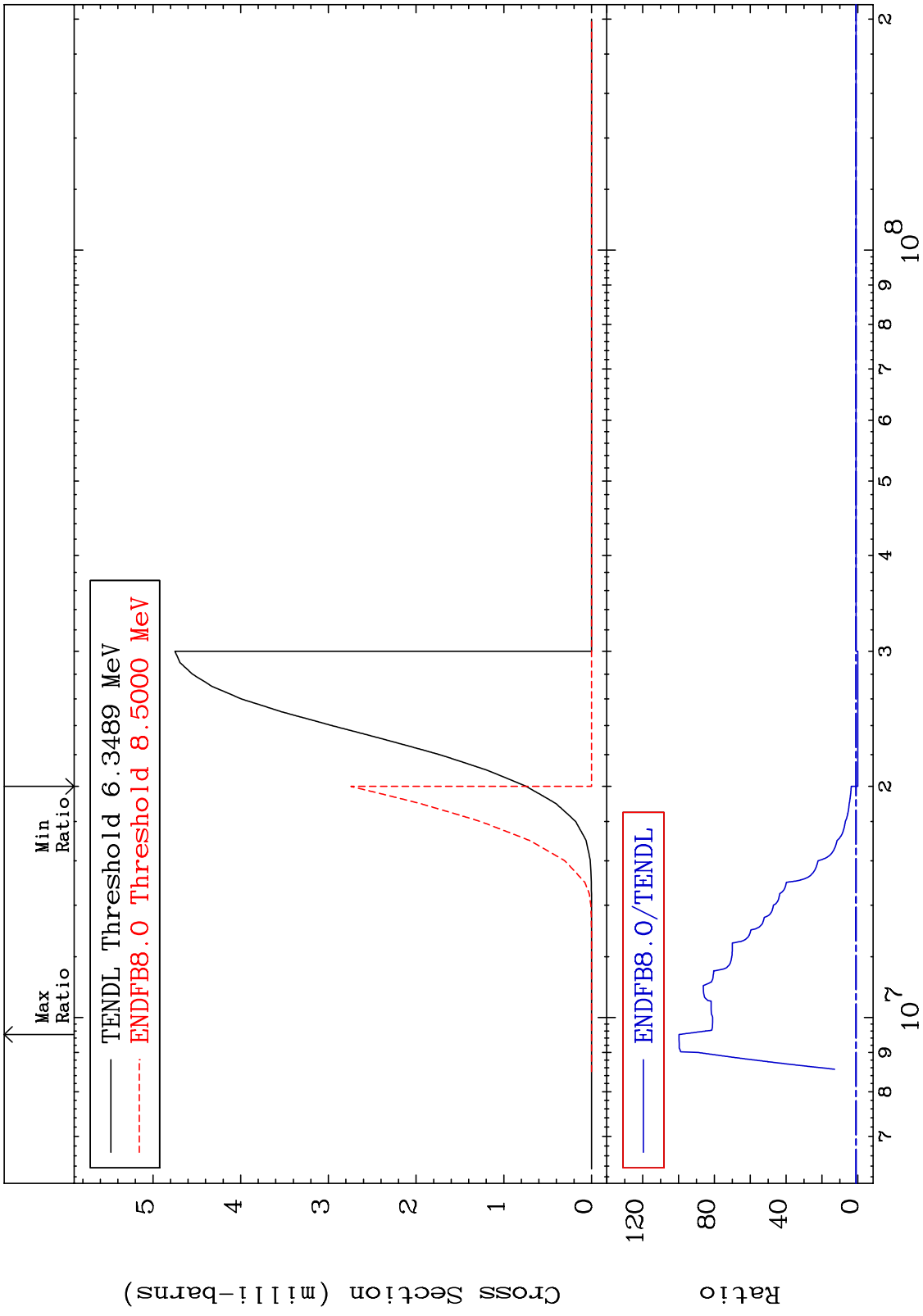
Dpa inelastic (mt51-91)
Cross Section

82-Pb-206
-26.47 To 9999. %



MAT 8231 Dpa disappearance (mt102 -120) 82-Pb-206
 Cross Section -99.84 To 9999. %





MAT 8231

(n, α)

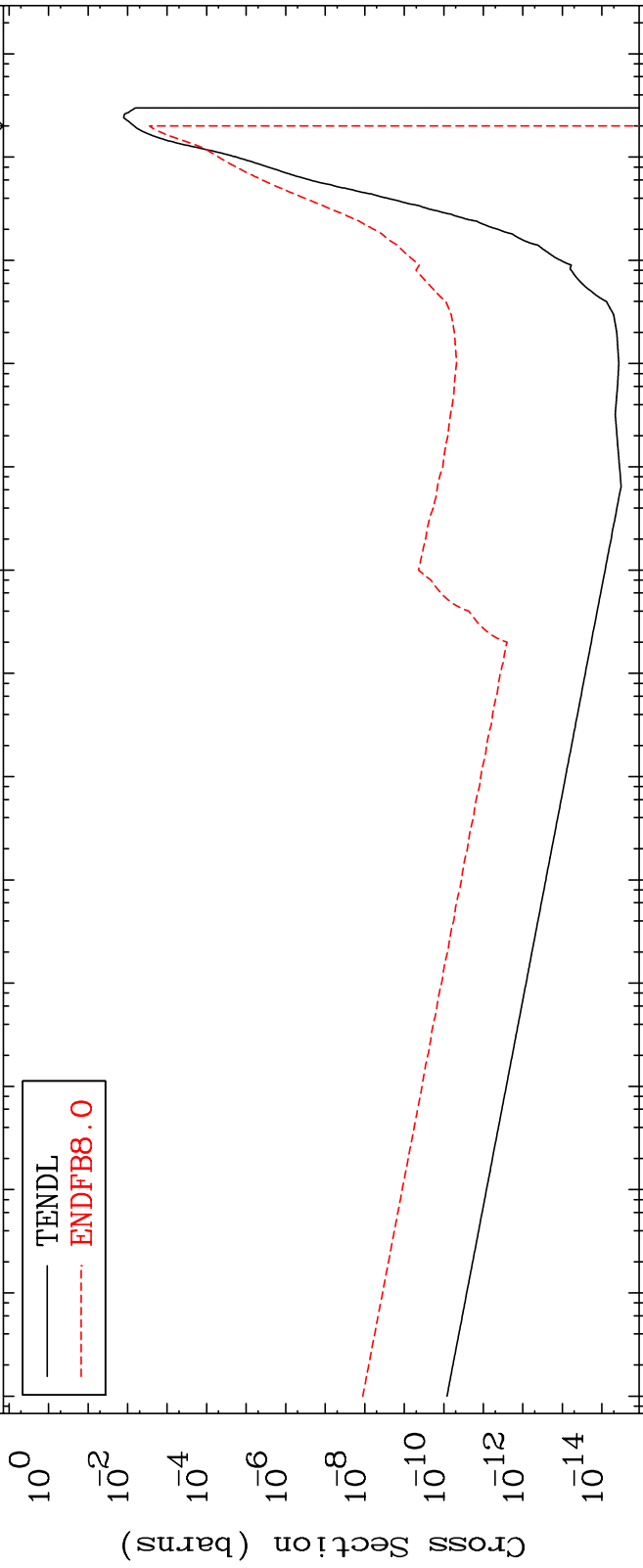
82-Pb-206

Cross Section

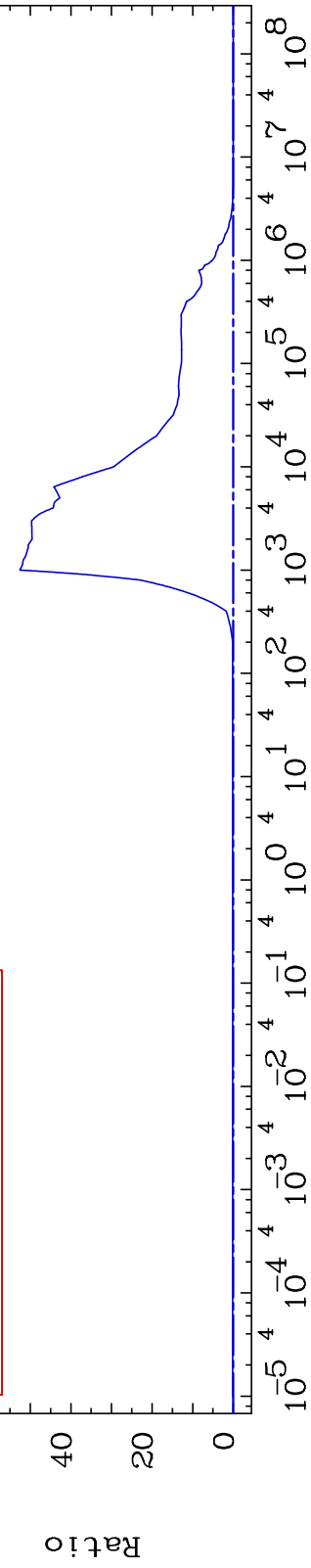
-100.0 To 9999. %

Max Ratio

Min Ratio



ENDFB8.0/TENDL



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Incident Energy (eV)

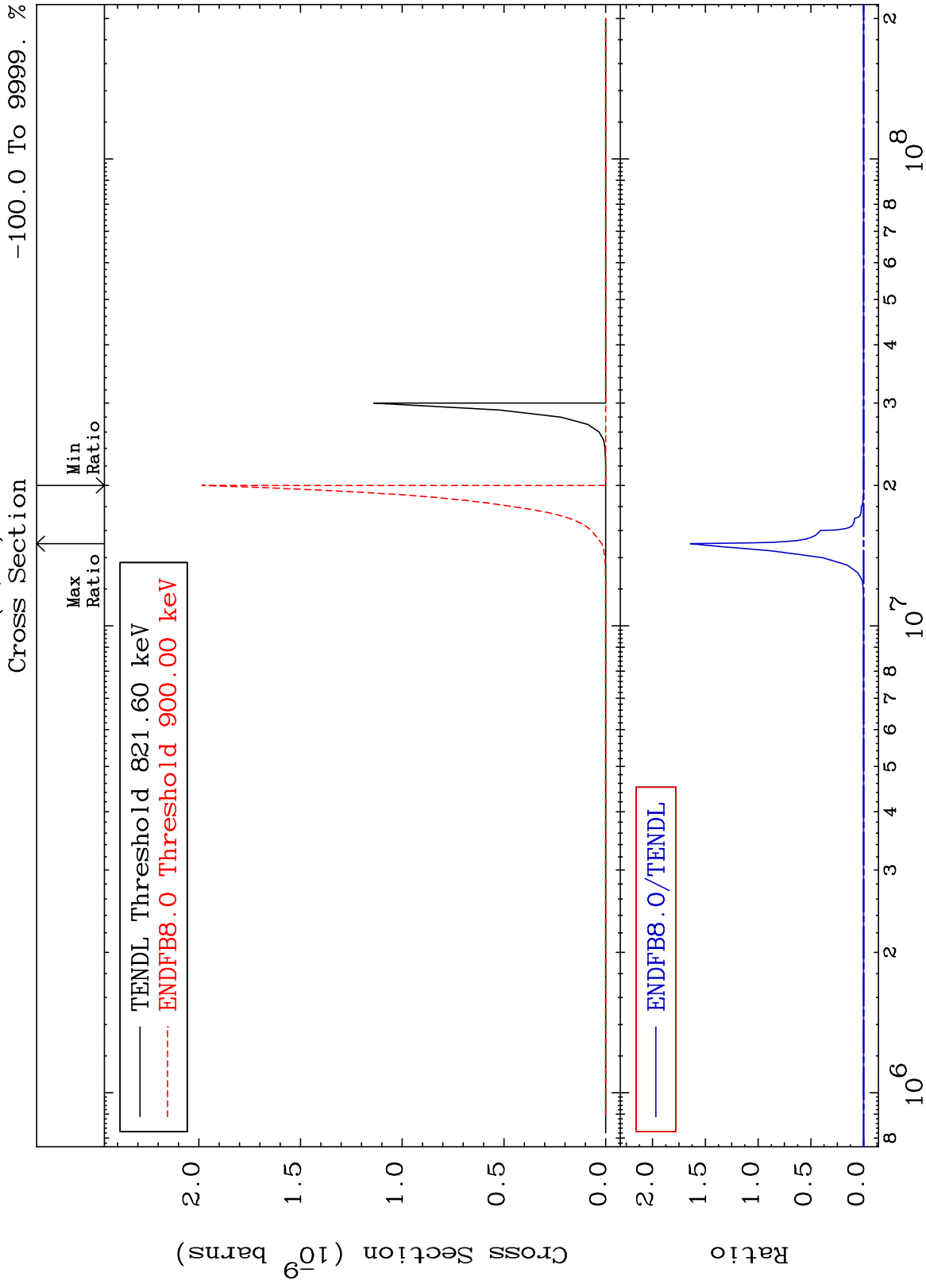
82-Pb-206

MAT 8231

(n,2α)

82-Pb-206

-100.0 To 9999. %



44

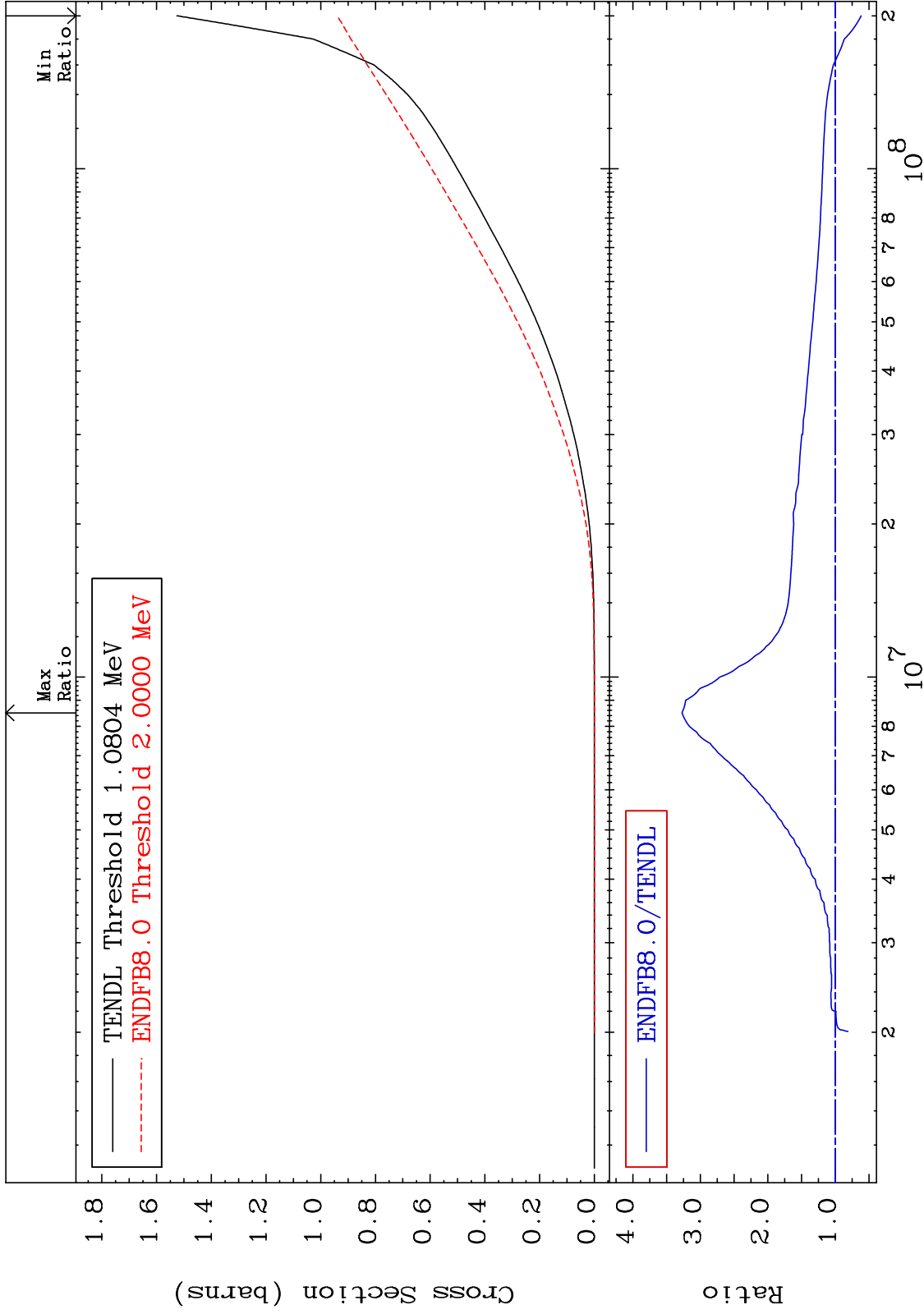
Incident Energy (eV)

82-Pb-206

MAT 8231

Hydrogen Production
Cross Section

82-Pb-206
-38.40 To 227.2 %



45

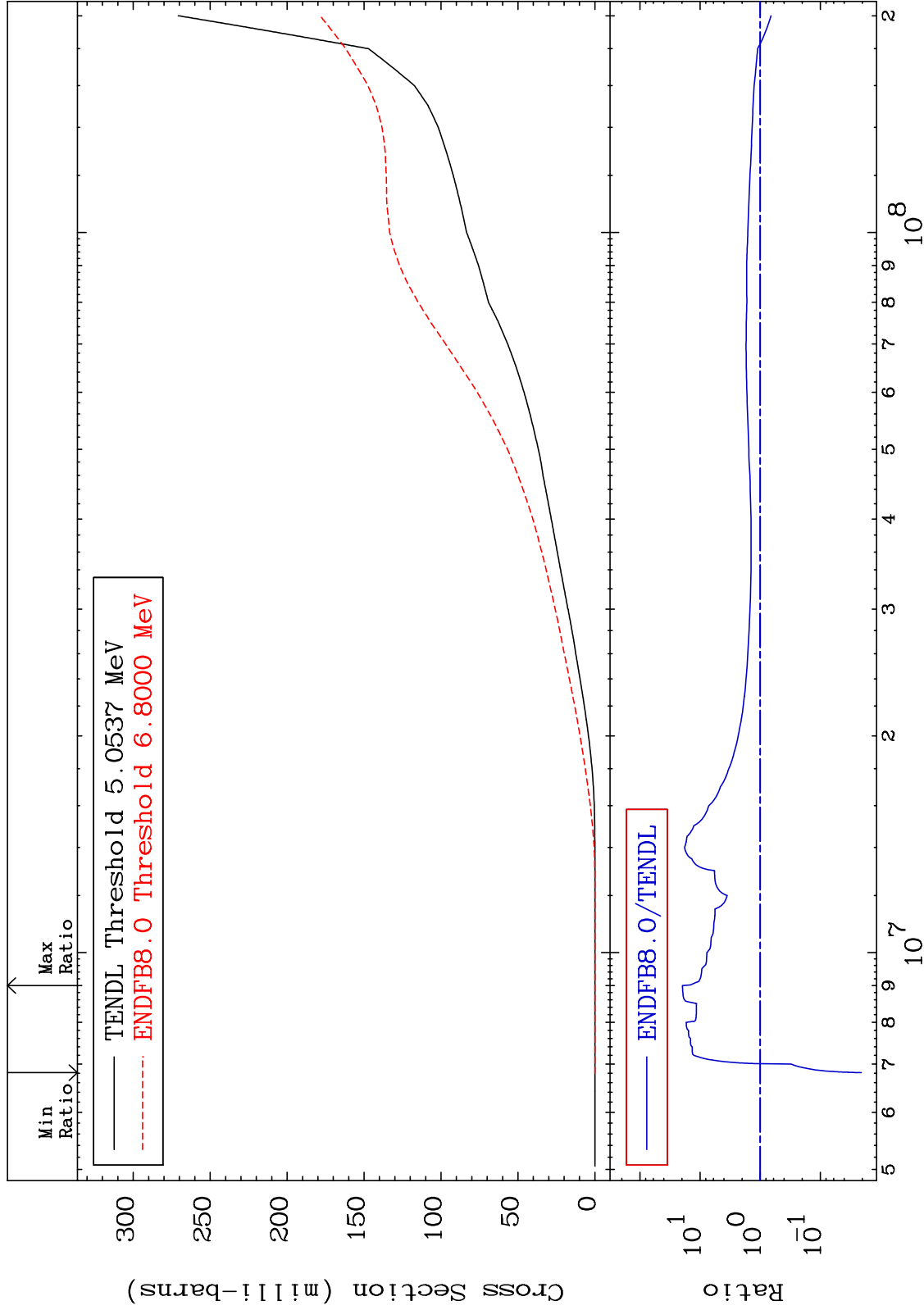
Incident Energy (eV)

82-Pb-206

MAT 8231

Deuterium Production
Cross Section

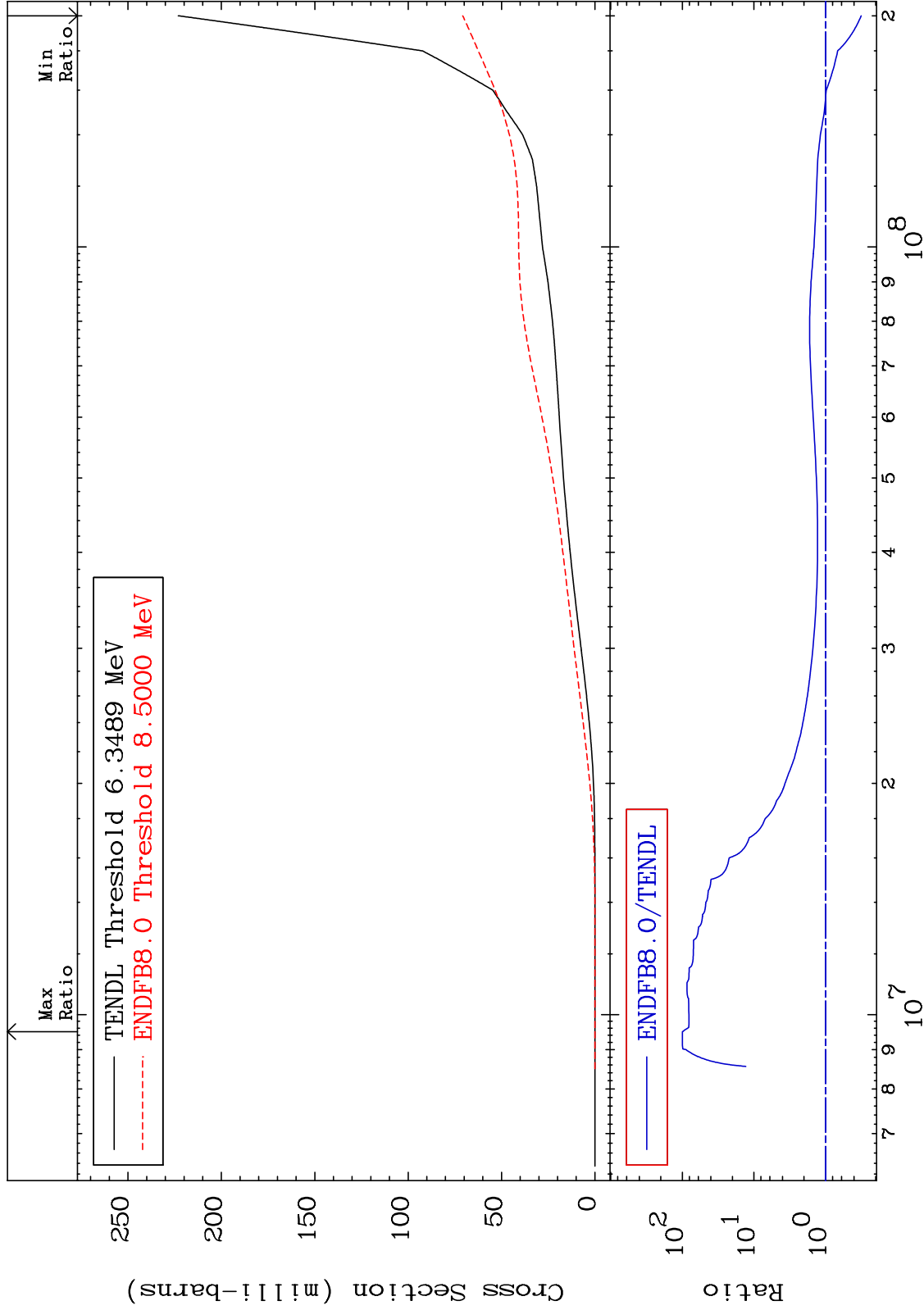
82-Pb-206
-97.92 To 1860. %



MAT 8231

Tritium Production
Cross Section

82-Pb-206
-68.28 To 9869. %



47

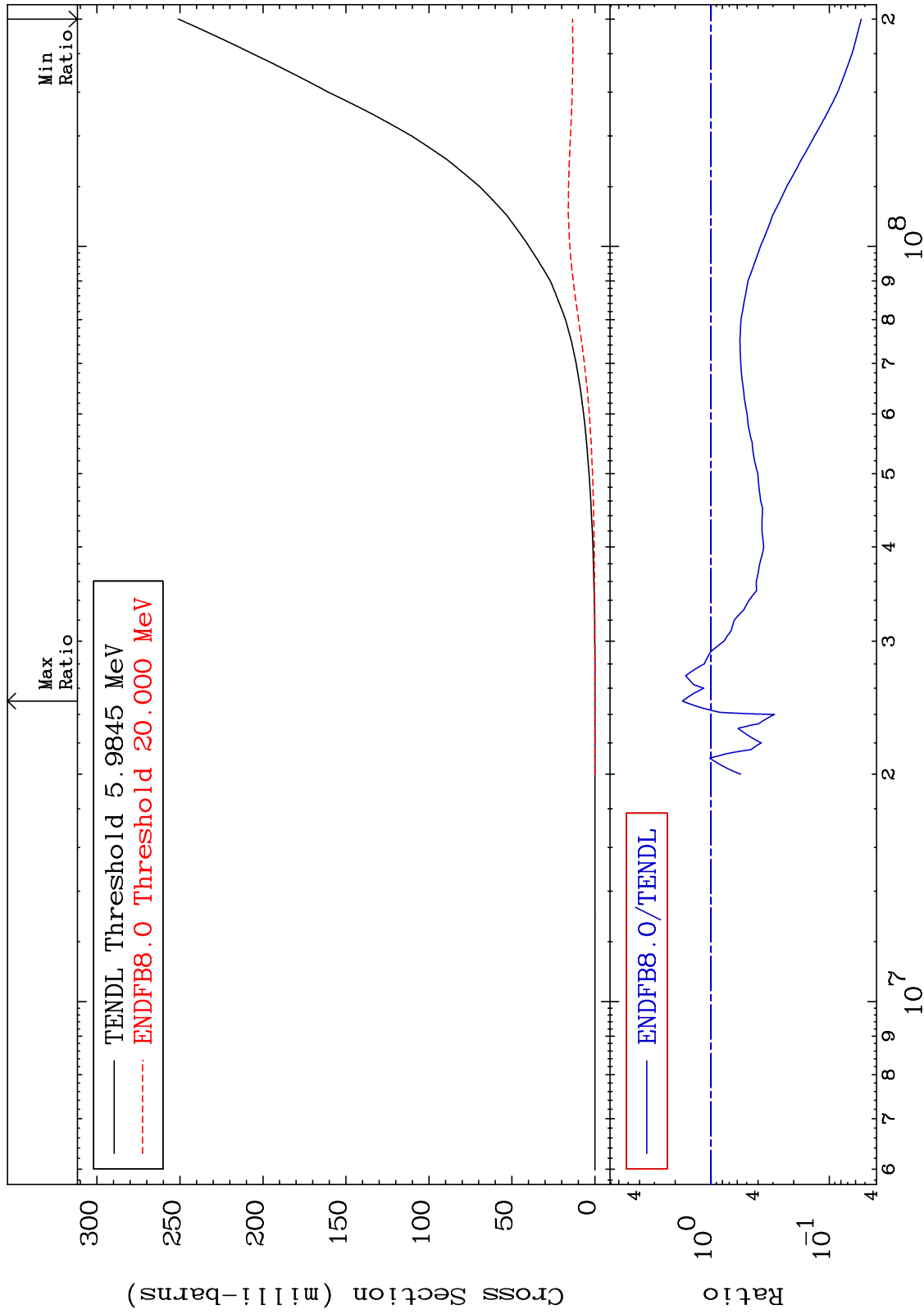
Incident Energy (eV)

82-Pb-206

MAT 8231

He-3 Production
Cross Section

82-Pb-206
-94.63 To 73.95 %



48

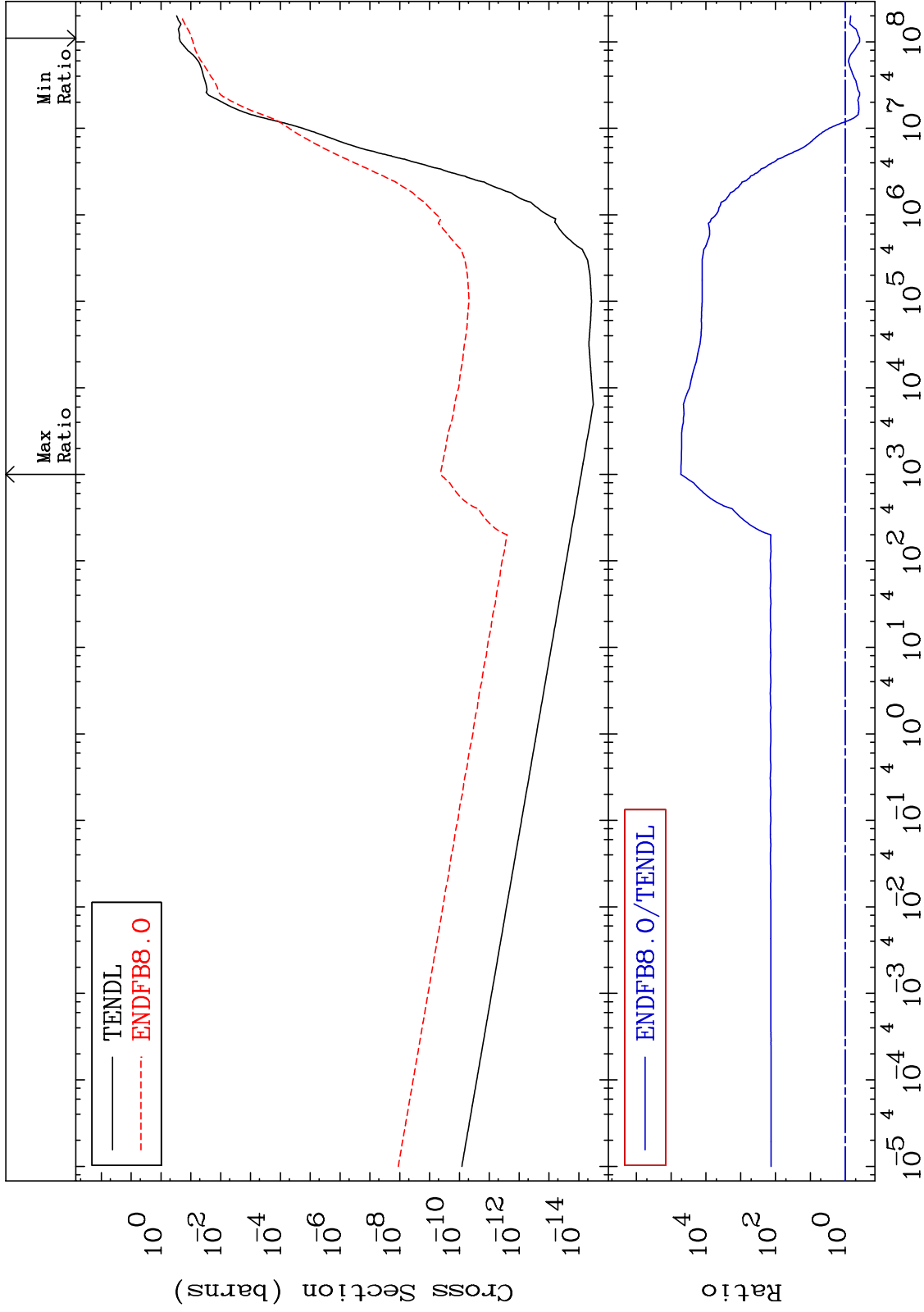
Incident Energy (eV)

82-Pb-206

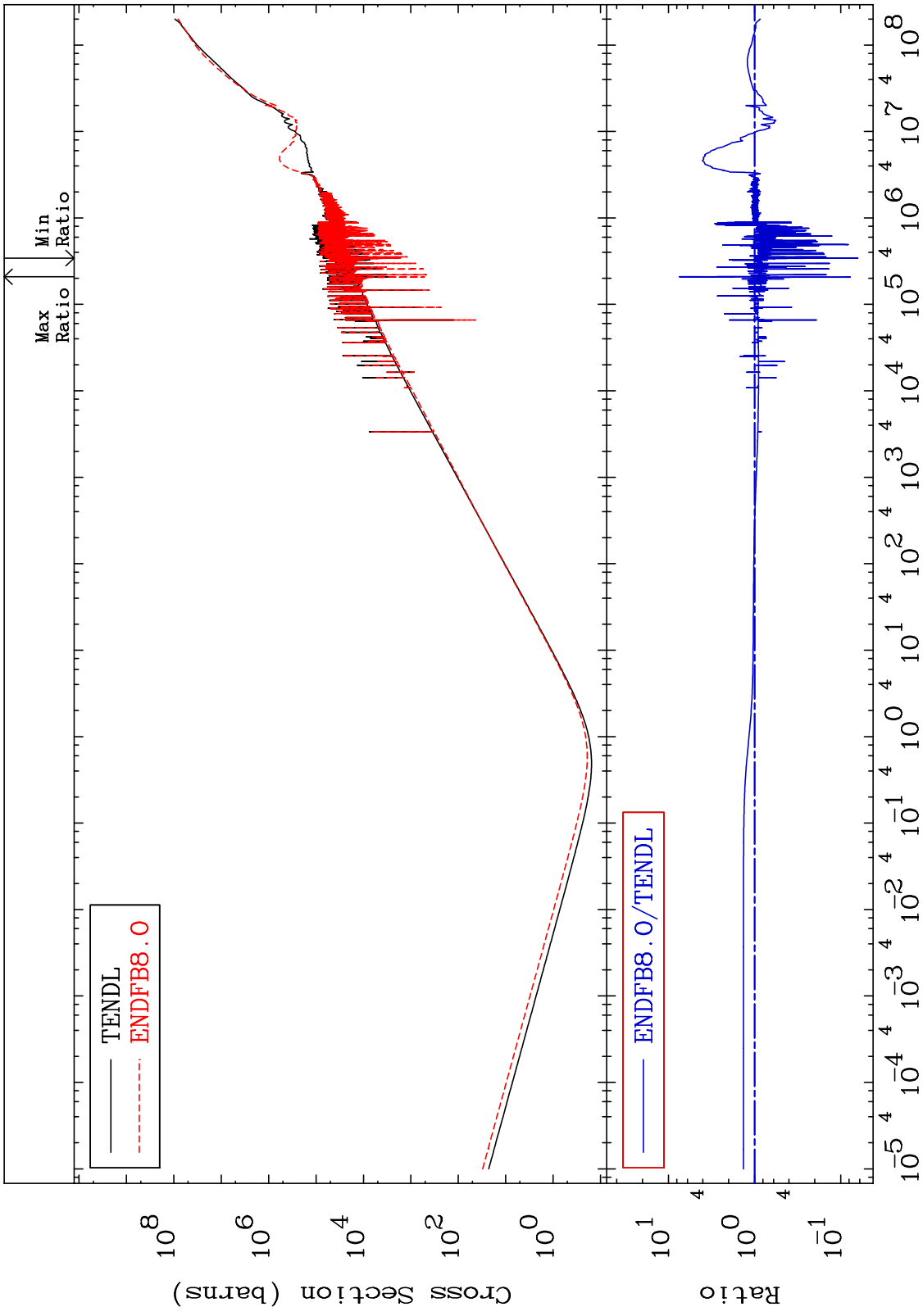
MAT 8231

He-4 Production
Cross Section

82-Pb-206
-61.79 To 9999. %



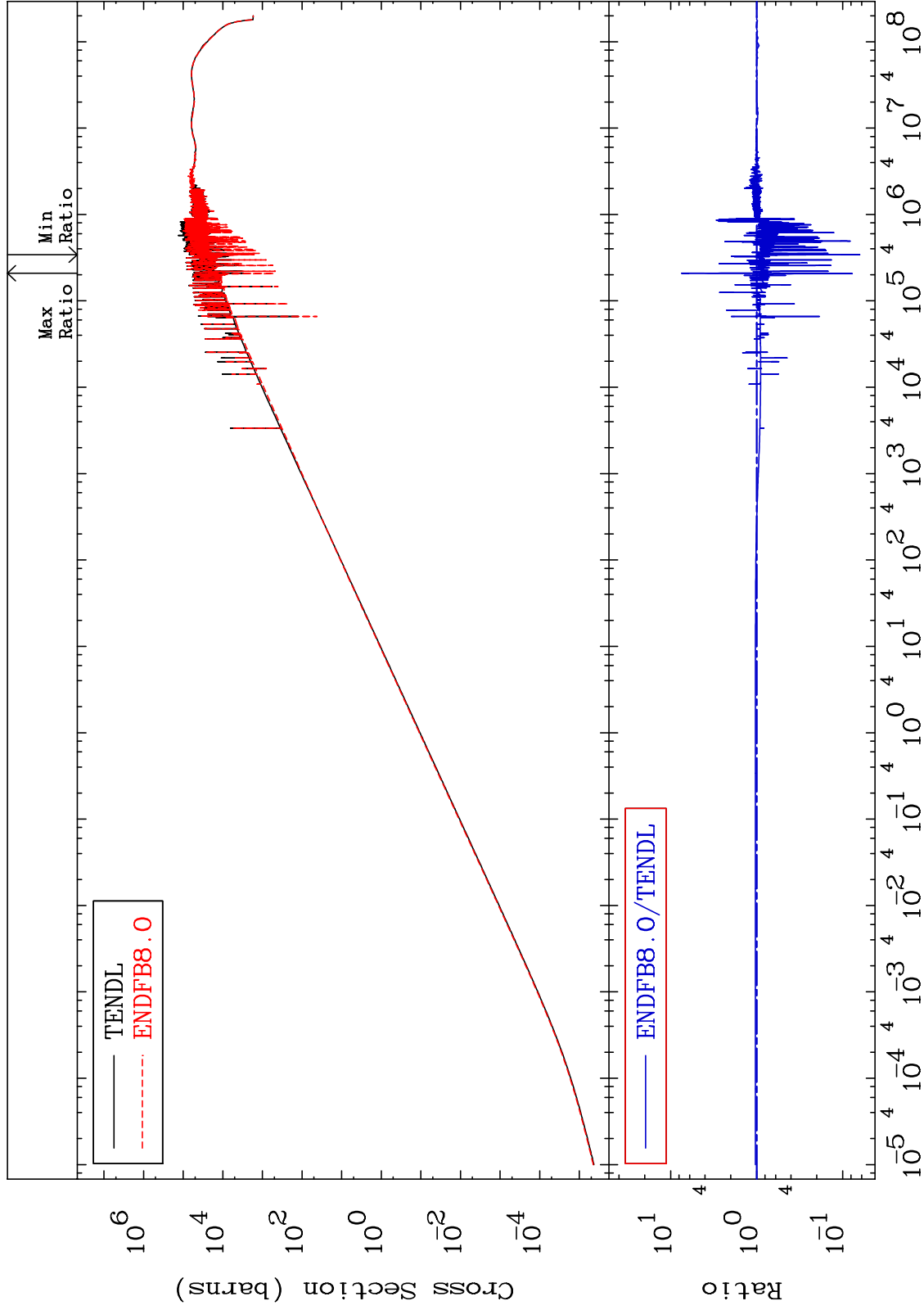
MAT 8231 Kerma total (eV-barns)
 Cross Section 82-Pb-206
 -93.67 To 653.0 %



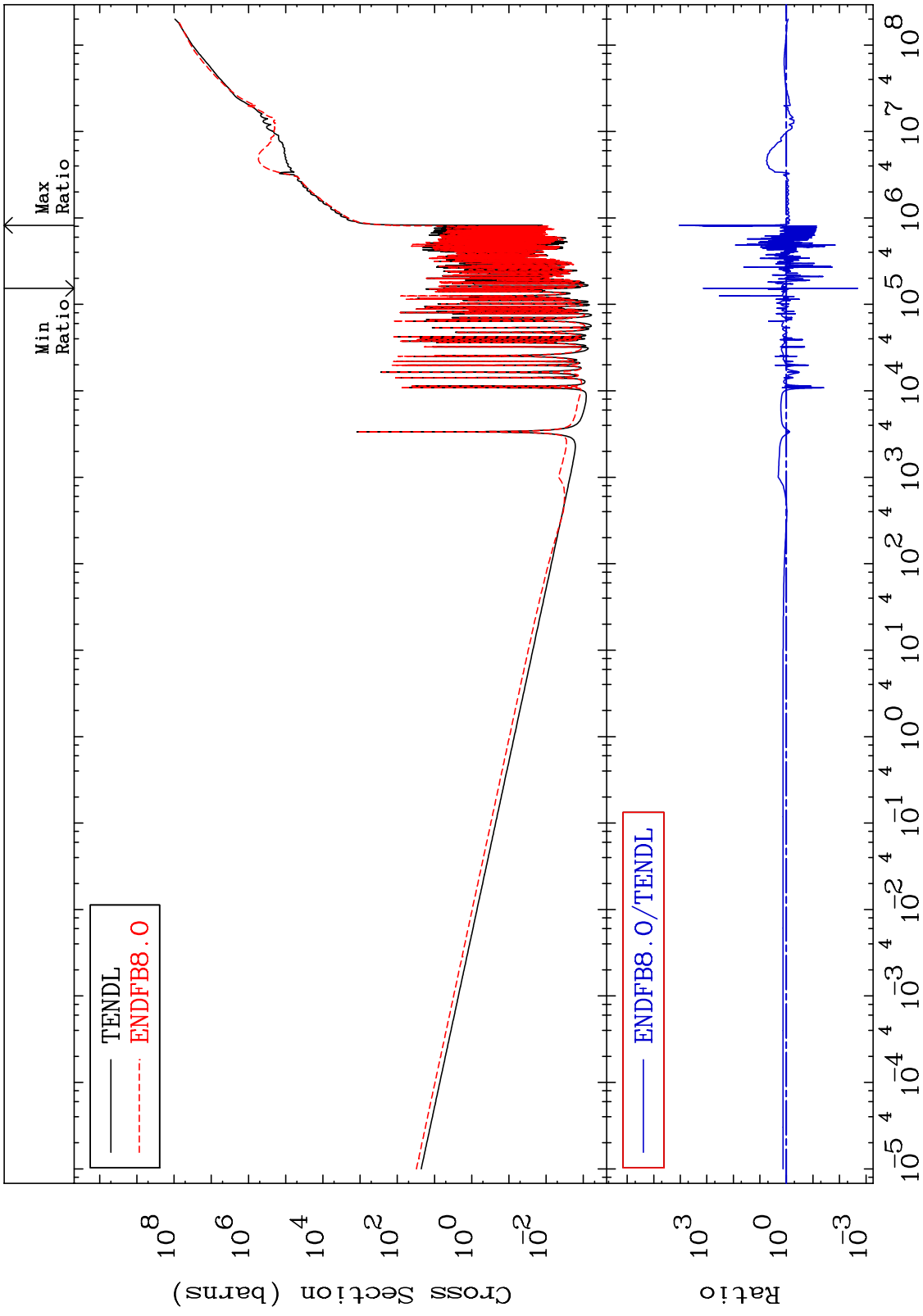
MAT 8231

Kerma elastic
Cross Section

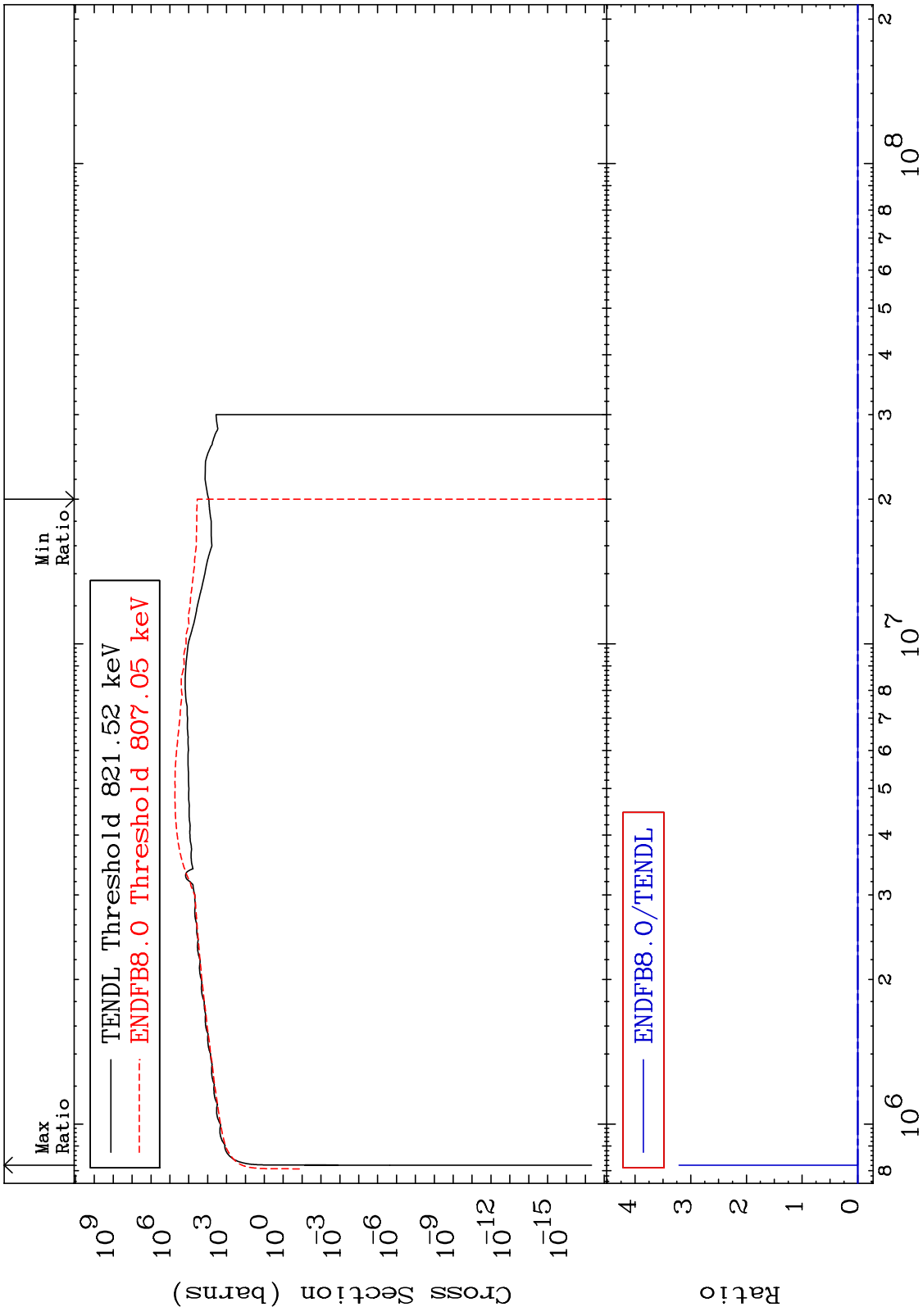
82-Pb-206
-93.67 To 653.0 %



MAT 8231 Kerma non-elastic (all but mt2) 82-Pb-206
 Cross Section -99.80 To 9999. %



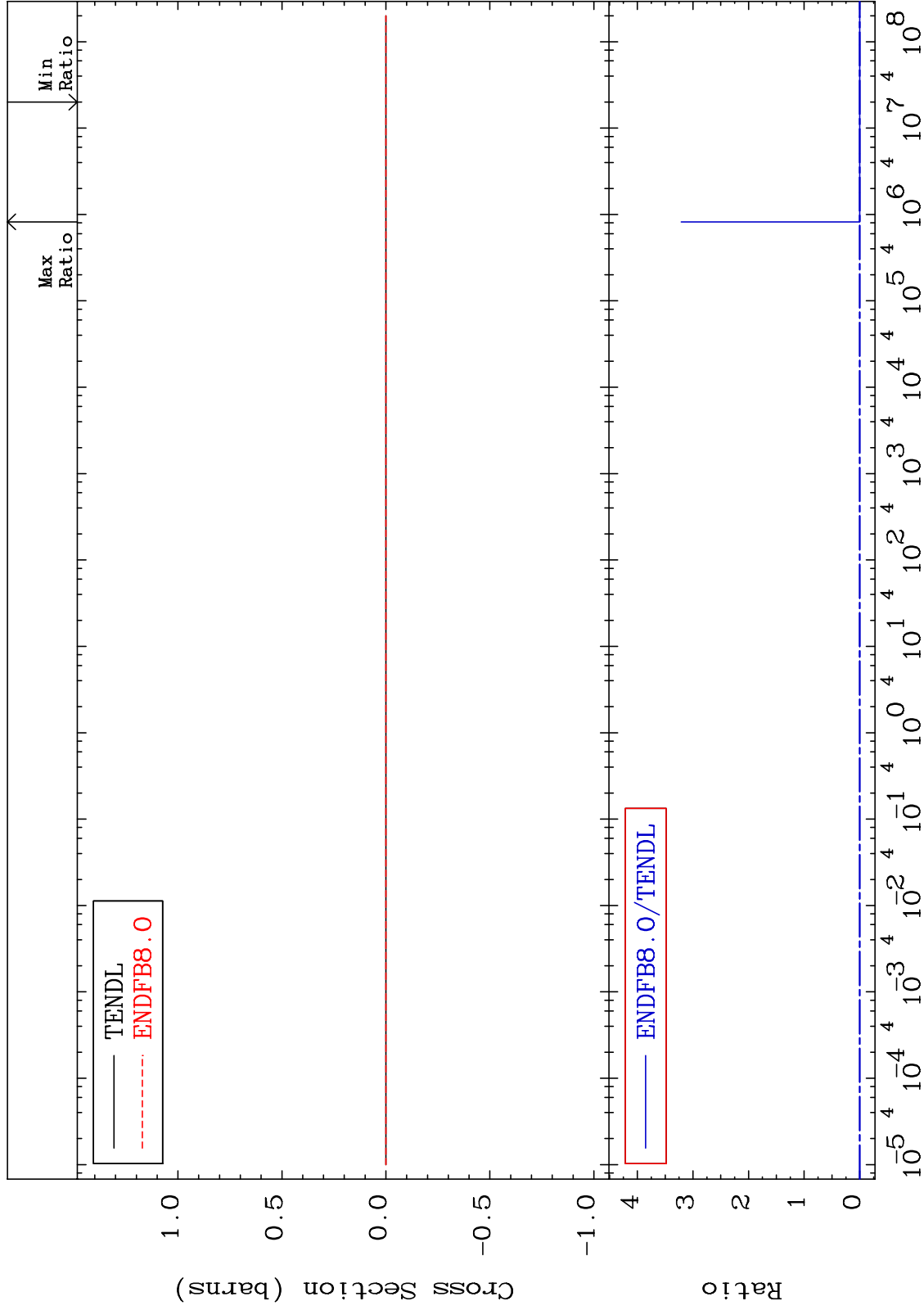
MAT 8231 Kerma inelastic (mt51-91) 82-Pb-206
 -100.0 To 9999. %



MAT 8231

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

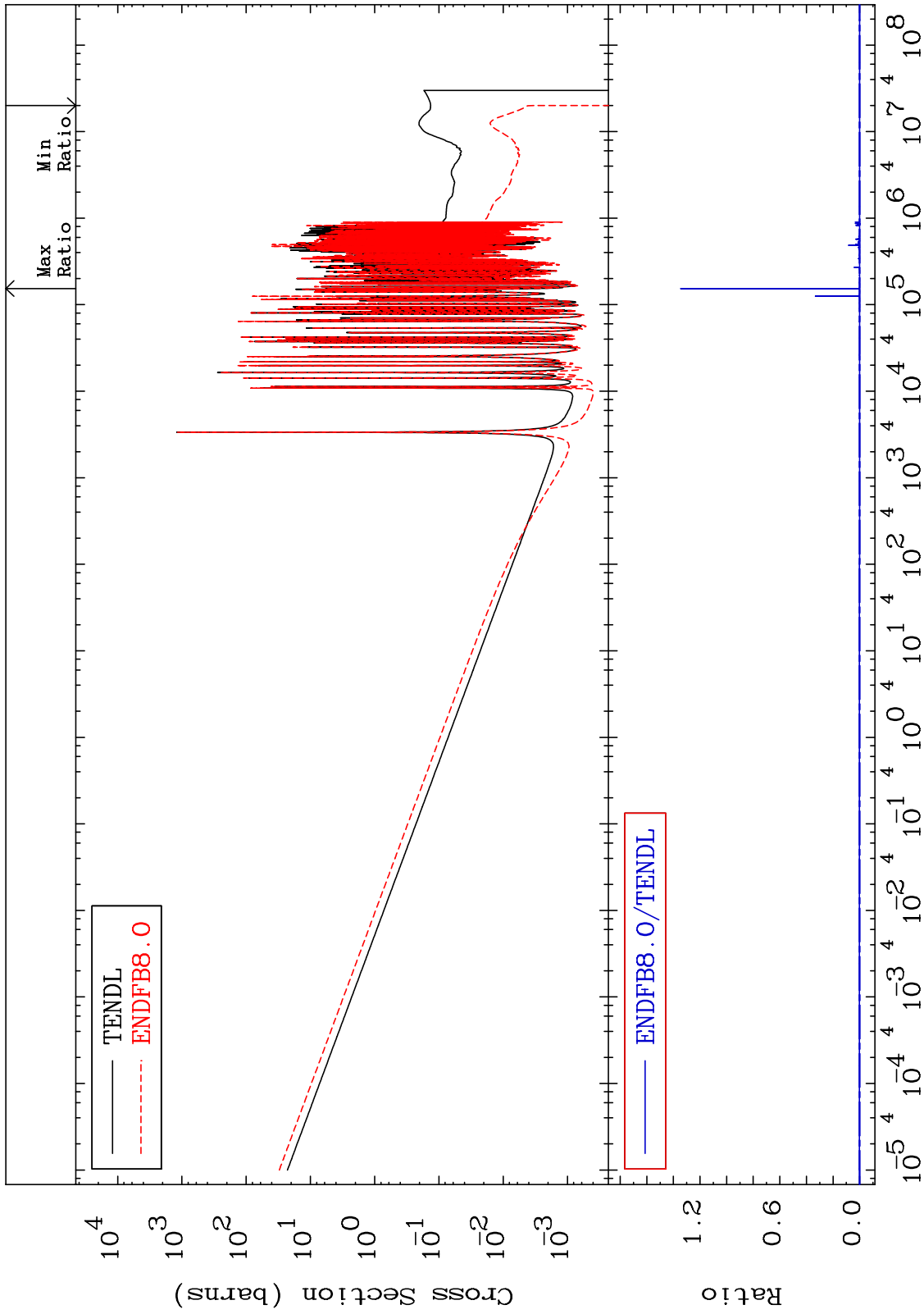
82-Pb-206
-100.0 To 9999. %



MAT 8231

Kerma capture (mt102)
Cross Section

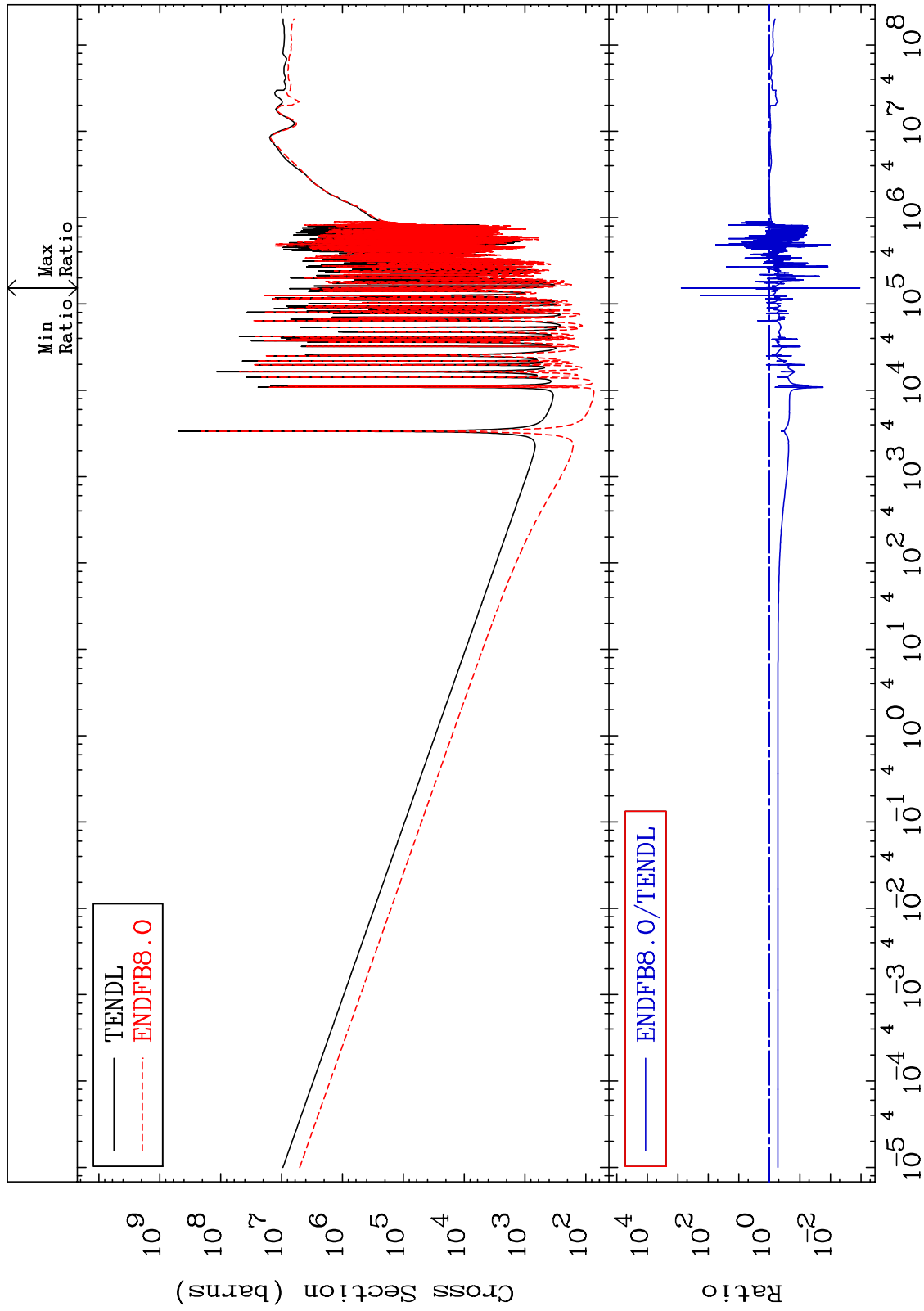
82-Pb-206
-100.0 To 9999. %



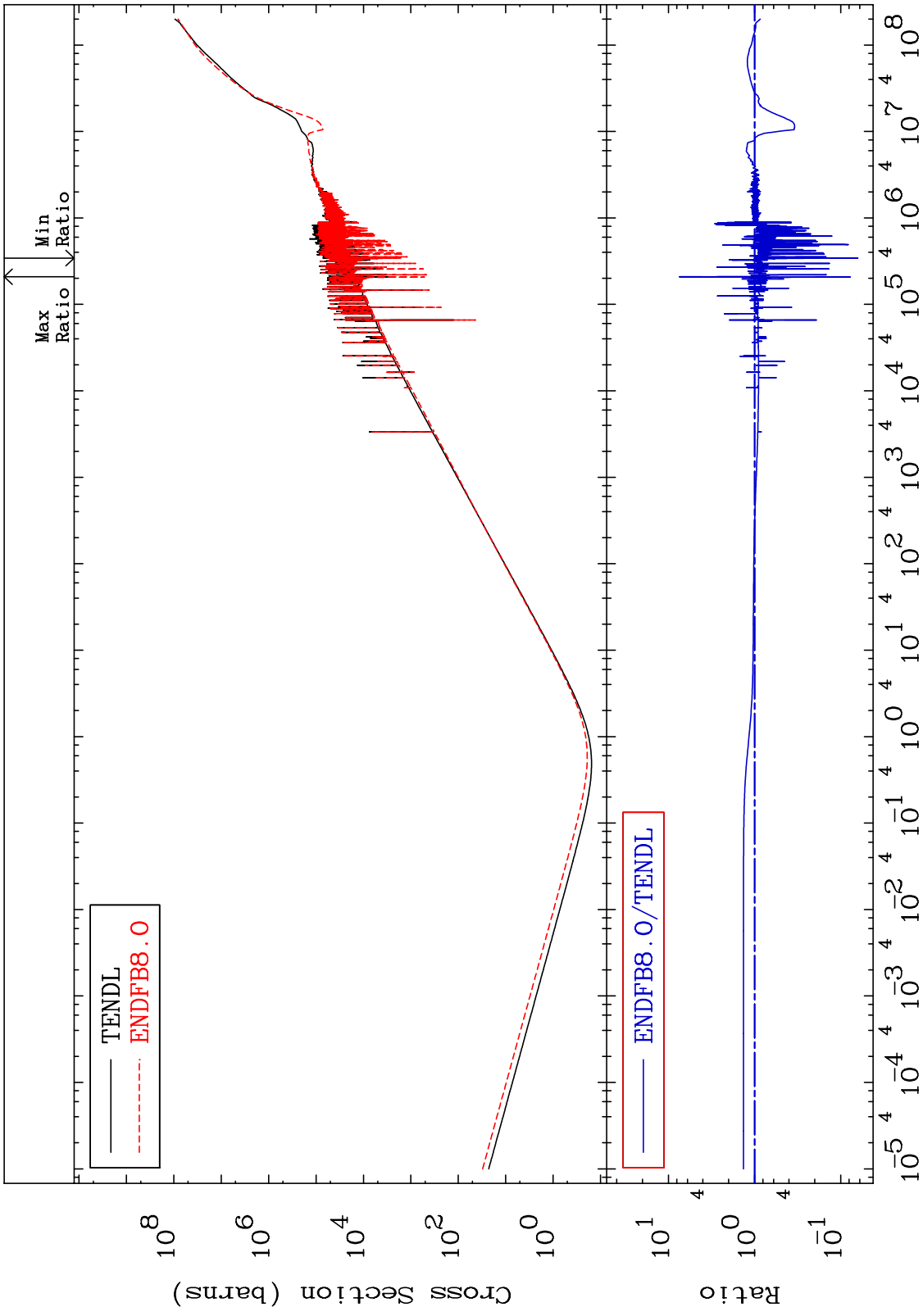
MAT 8231

Total photon (eV-barns)
Cross Section

82-Pb-206
-99.89 To 9999. %



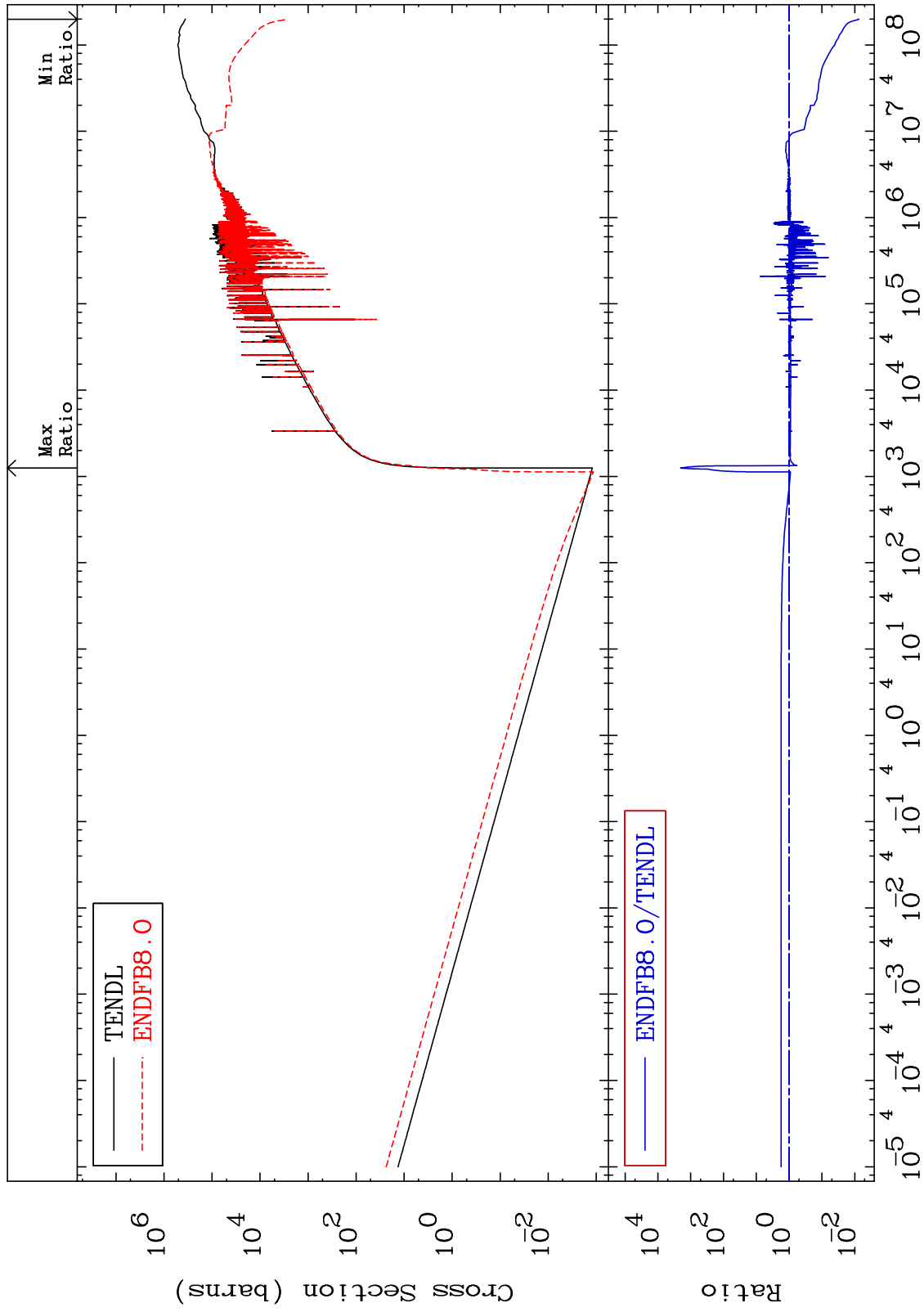
MAT 8231 Total kinematic kerma (high limit) 82-Pb-206
 Cross Section -93.67 To 653.0 %



MAT 8231

Dpa total (eV-barns)
Cross Section

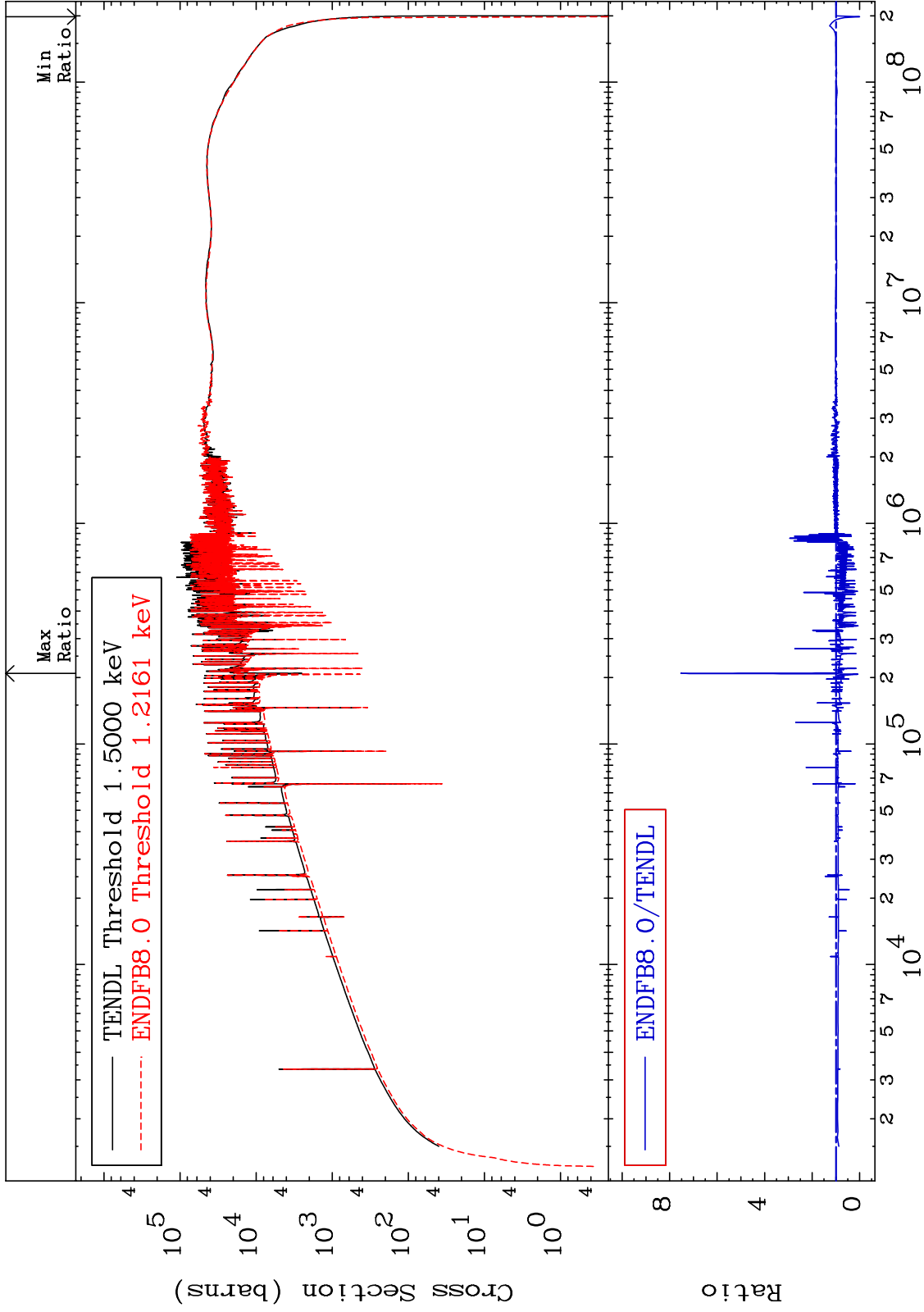
82-Pb-206
-99.26 To 9999. %



MAT 8231

Dpa elastic (mt2)
Cross Section

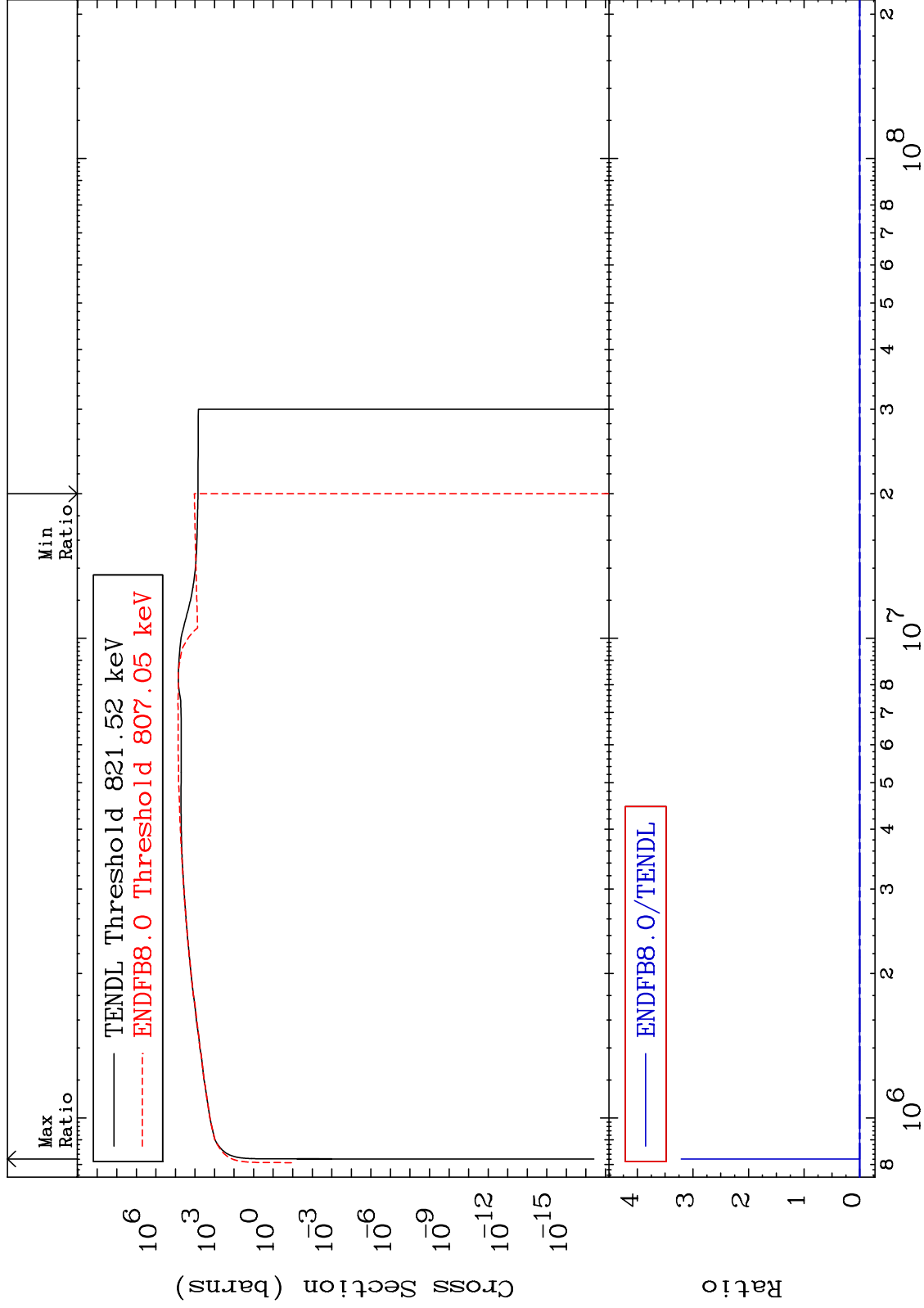
82-Pb-206
-100.0 To 653.0 %



MAT 8231

Dpa inelastic (mt51-91)
Cross Section

82-Pb-206
-100.0 To 9999. %



60

Incident Energy (eV)

82-Pb-206

MAT 8231 Dpa disappearance (mt102 -120) 82-Pb-206
 Cross Section -100.0 To 9999. %

