

Program Complot
(Version 2018-1)

by

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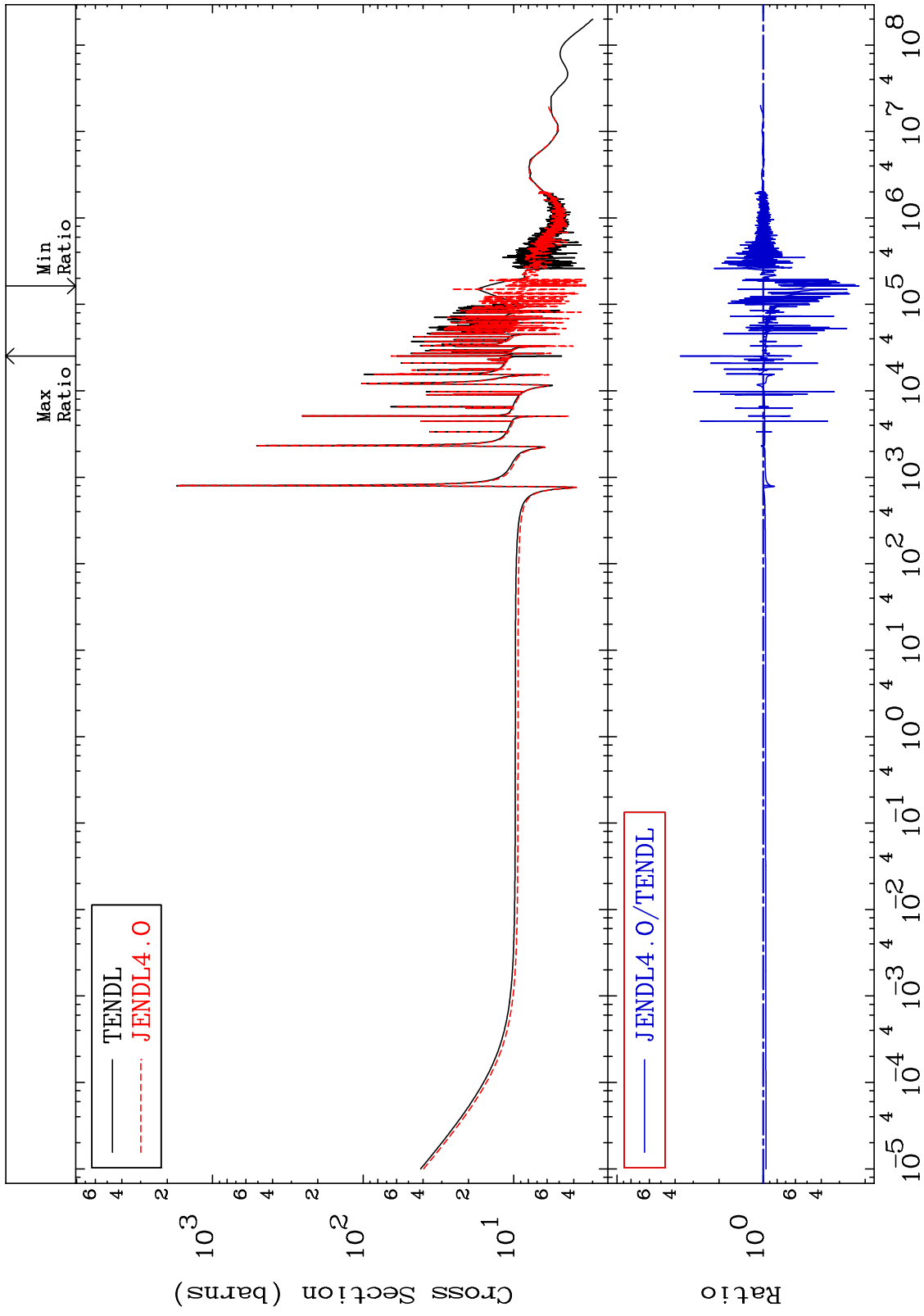
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8325

Total
Cross Section

83-Bi-209
-77.90 To 268.9 %

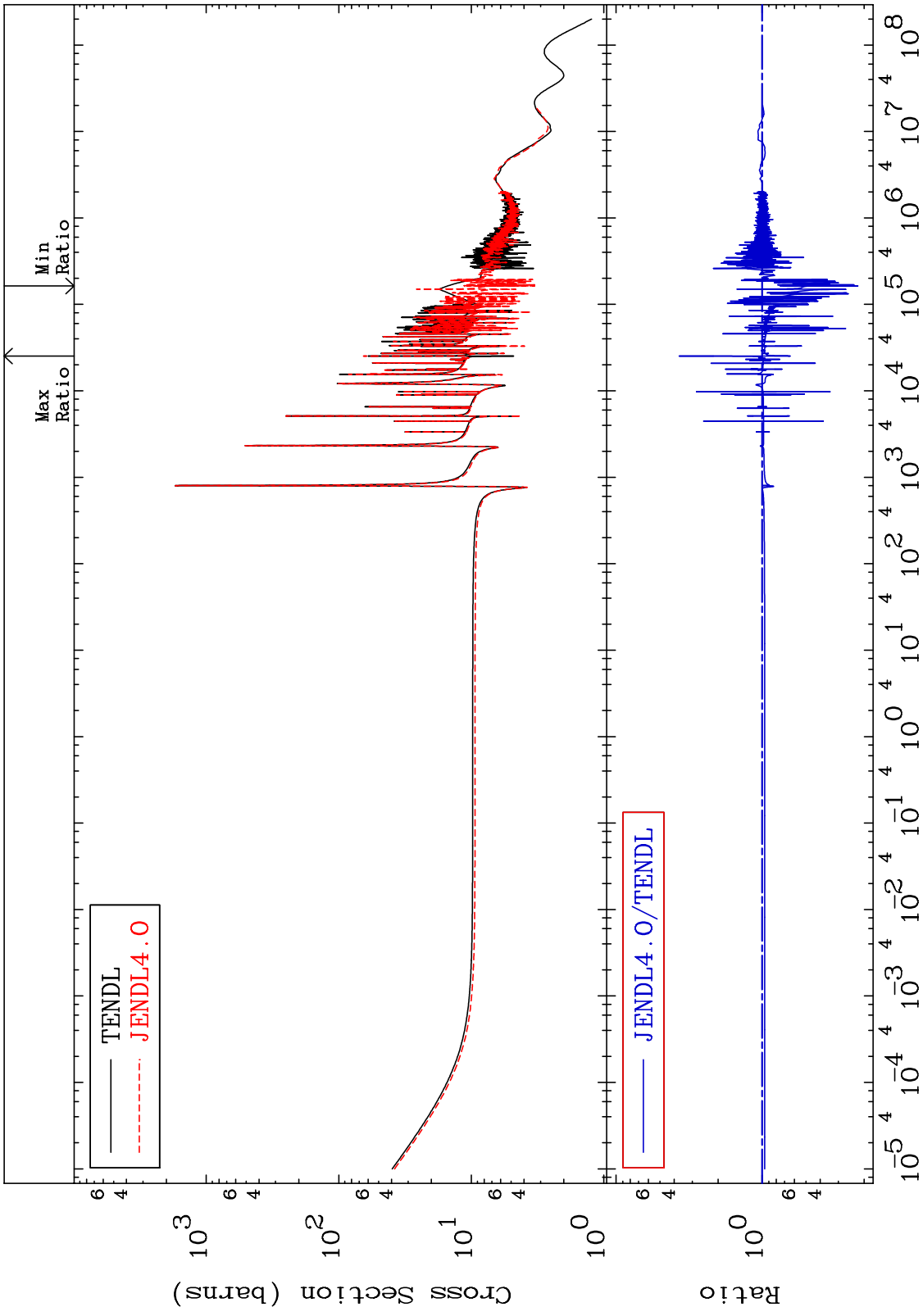


Incident Energy (eV)

83-Bi-209

1

MAT 8325 Elastic Cross Section 83-Bi-209 -77.92 To 270.1 %

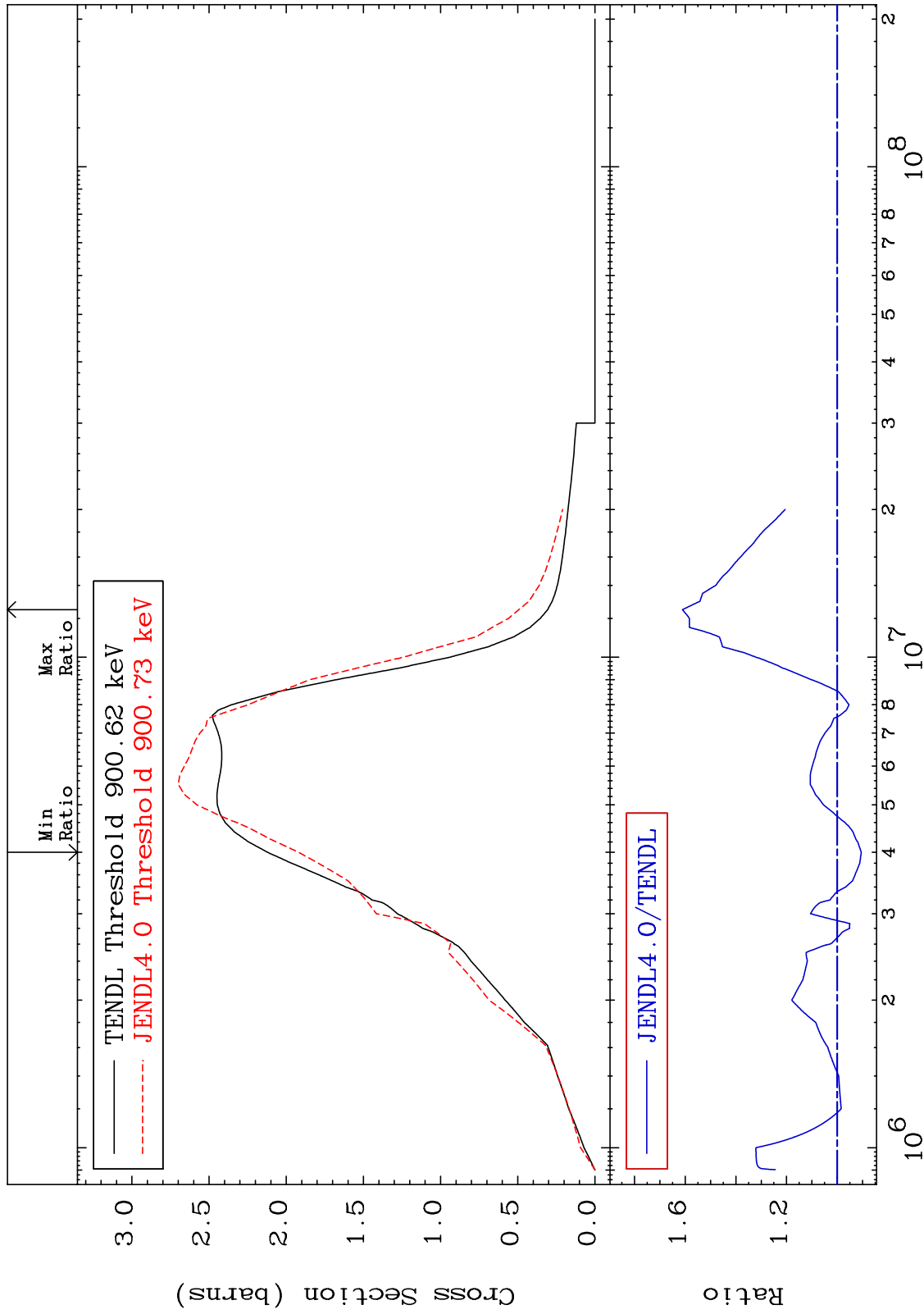


MAT 8325

Inelastic
Cross Section

83-Bi-209

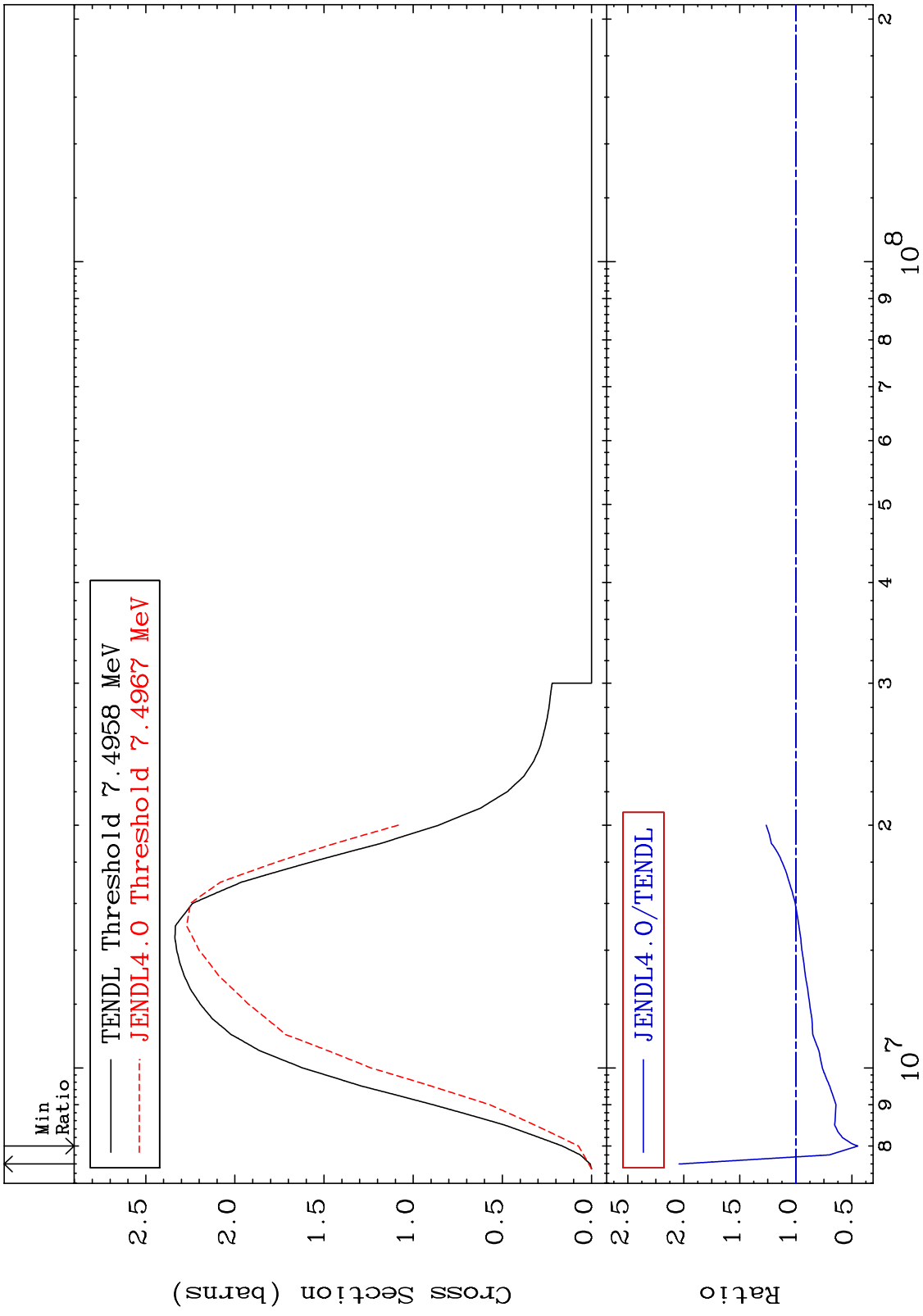
-9.469 To 61.06 %



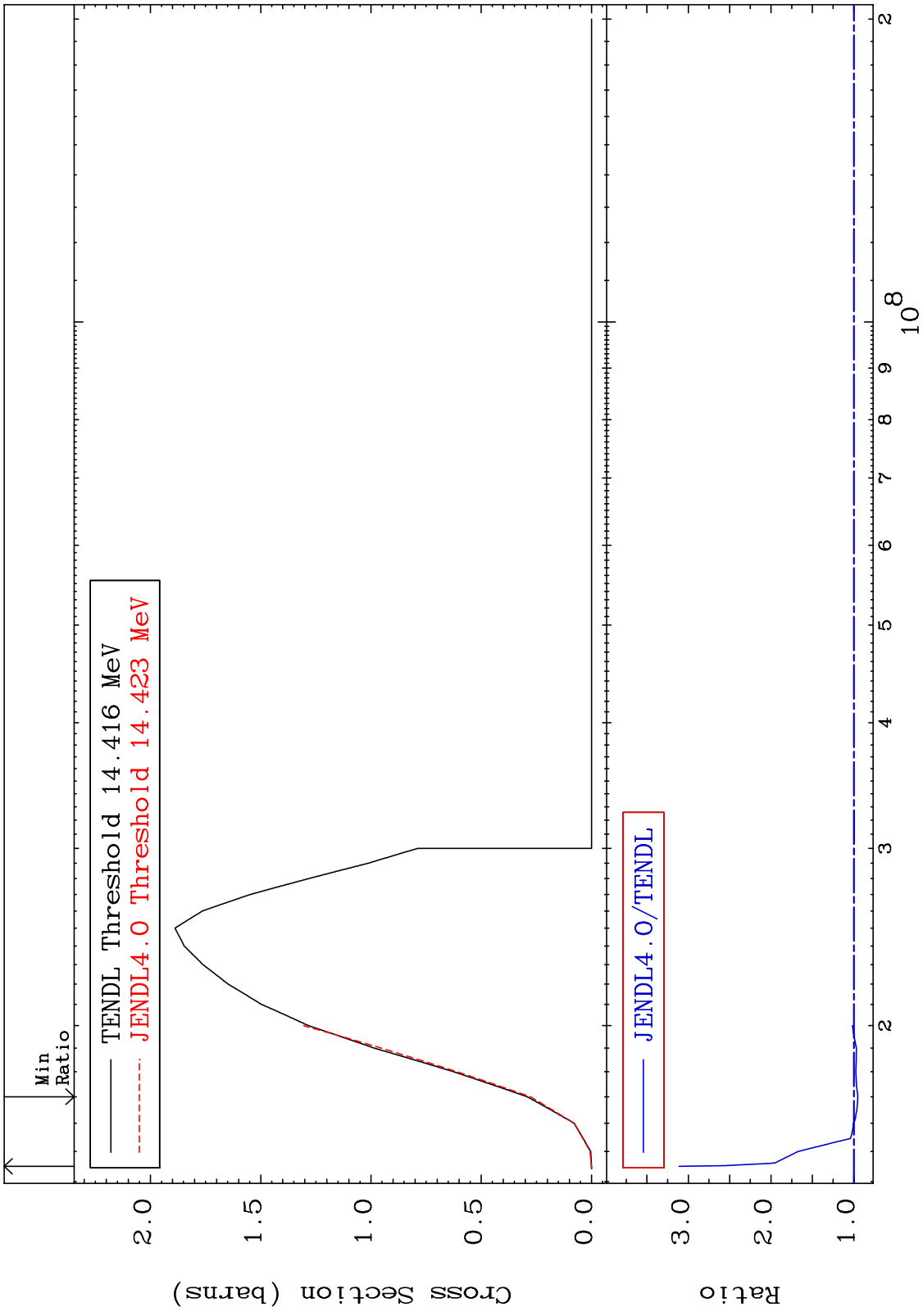
Incident Energy (eV)

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 %



5 83-Bi-209

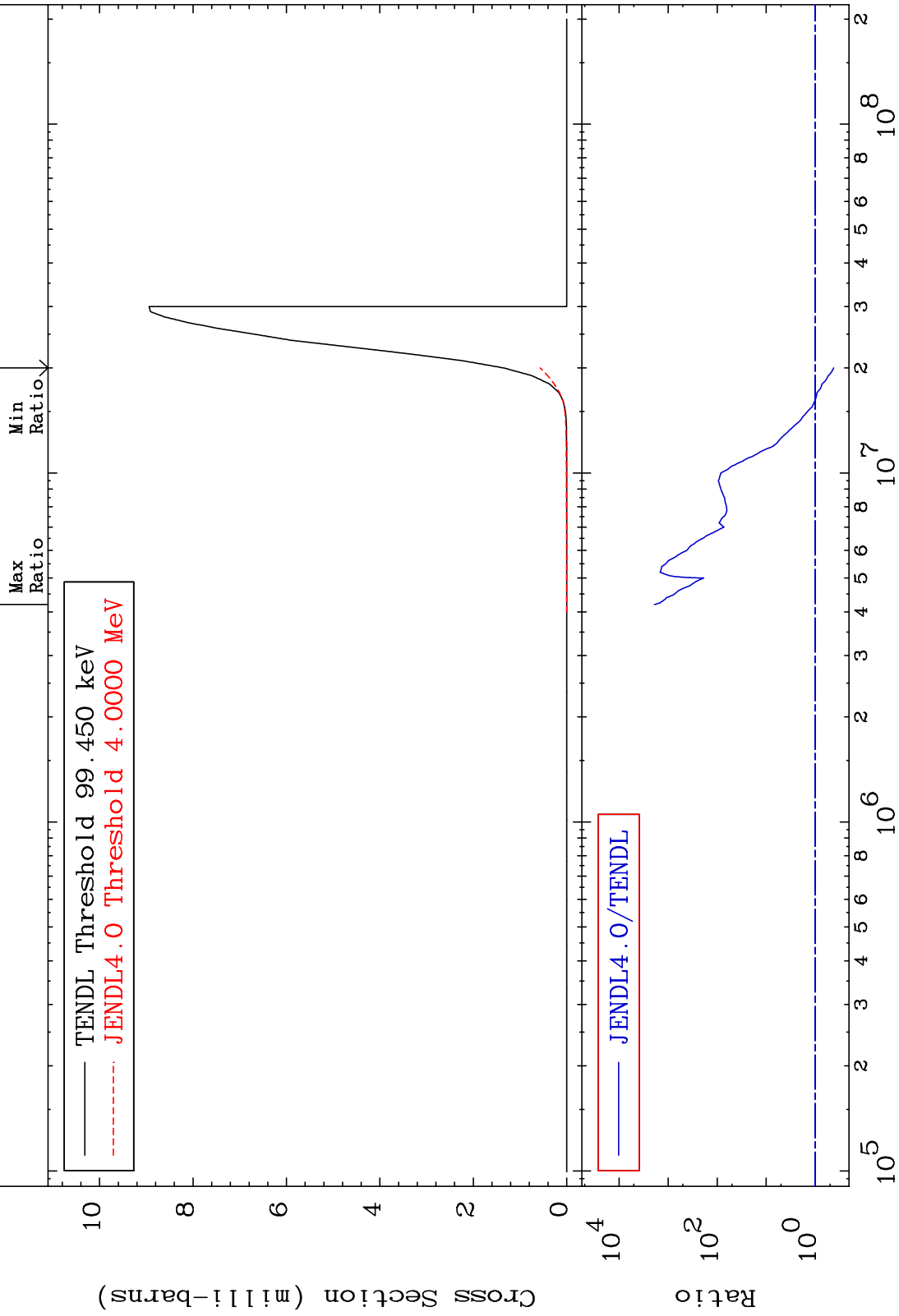
MAT 8325

(n, n') α

83-Bi-209

-57.81 To 9999. %

Cross Section

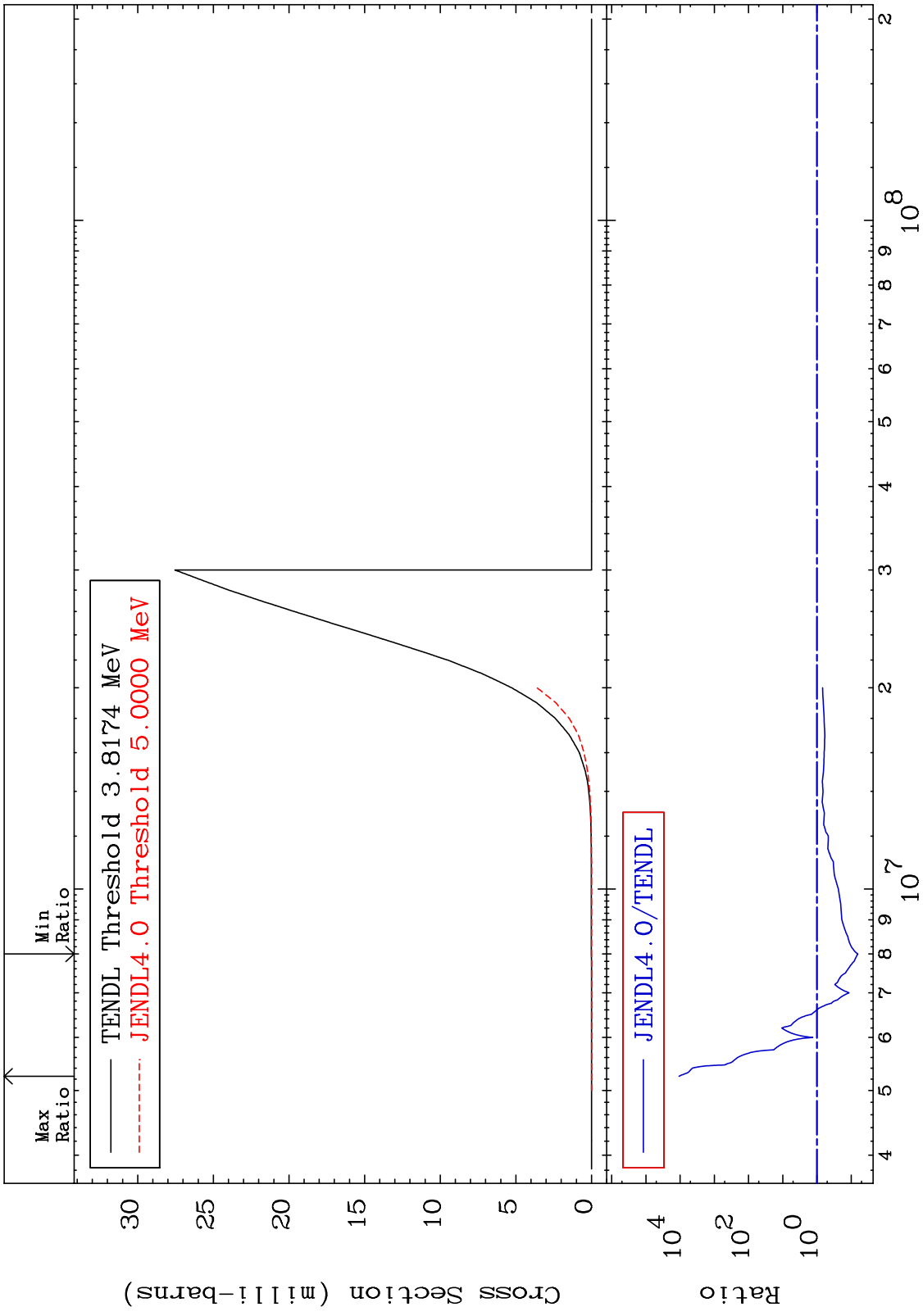


6

Incident Energy (eV)

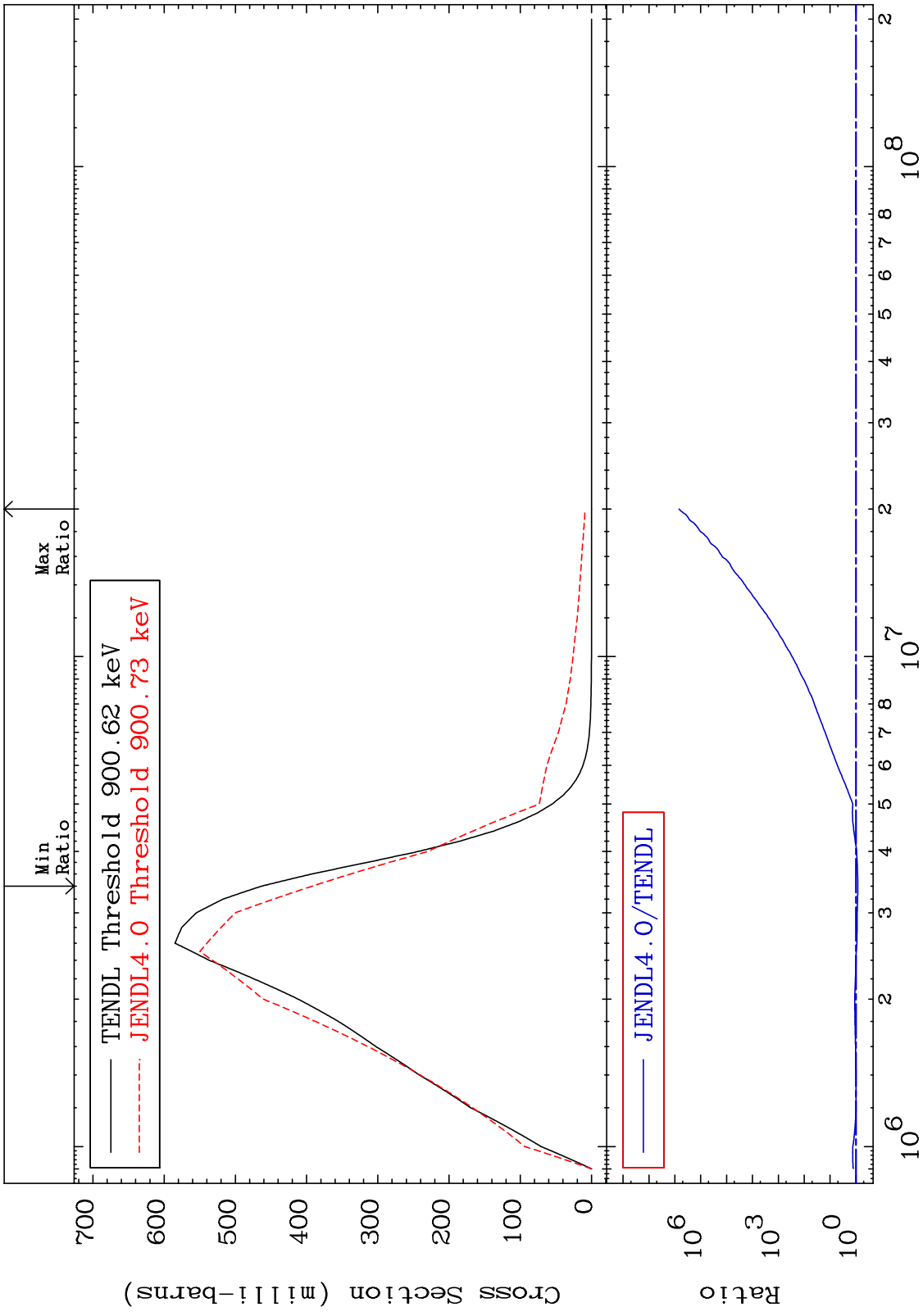
83-Bi-209

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



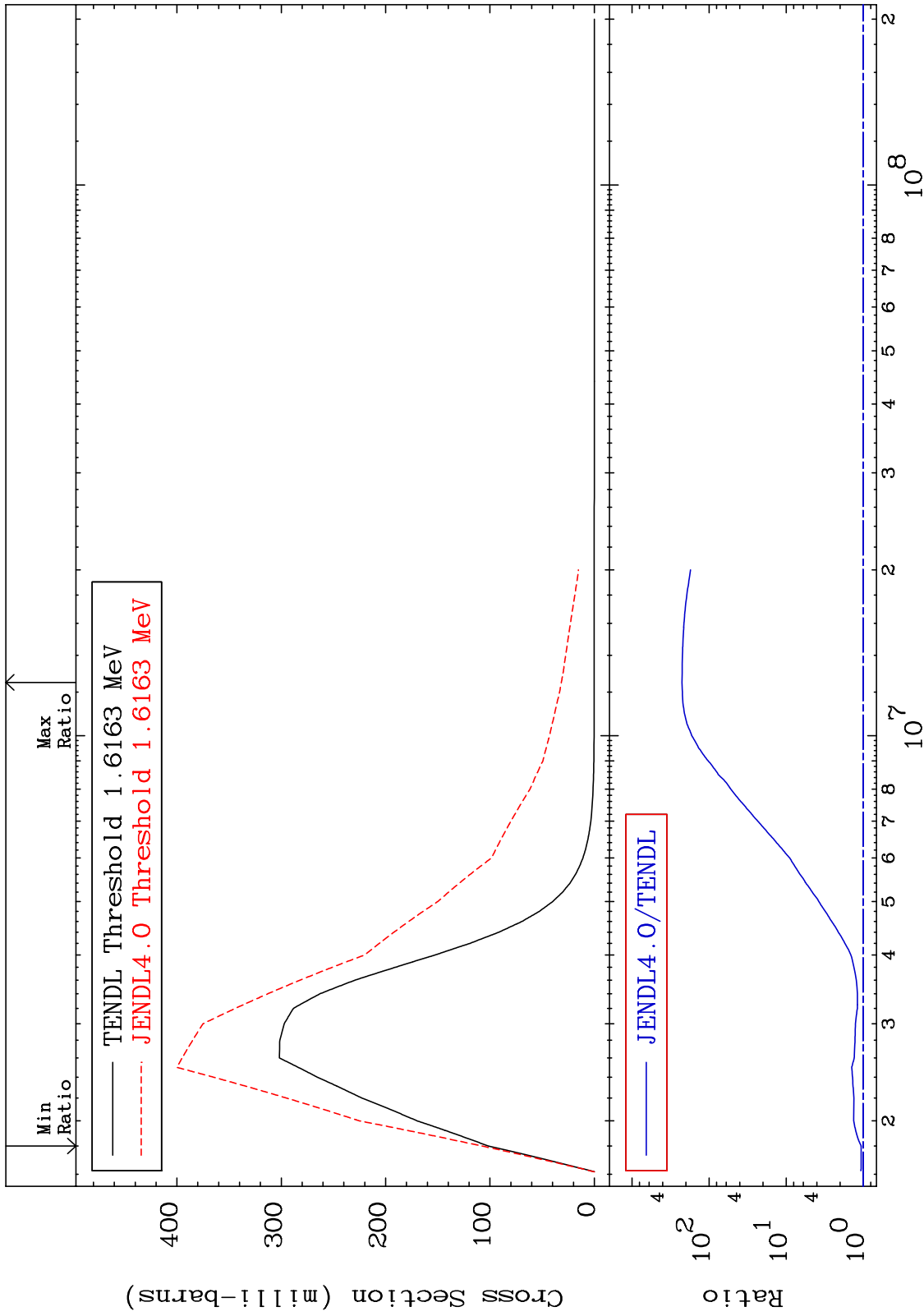
7 83-Bi-209

MAT 8325 MT= 51 (n,n') Level Cross Section 83-Bi-209 -15.35 To 9999. %



83-Bi-209

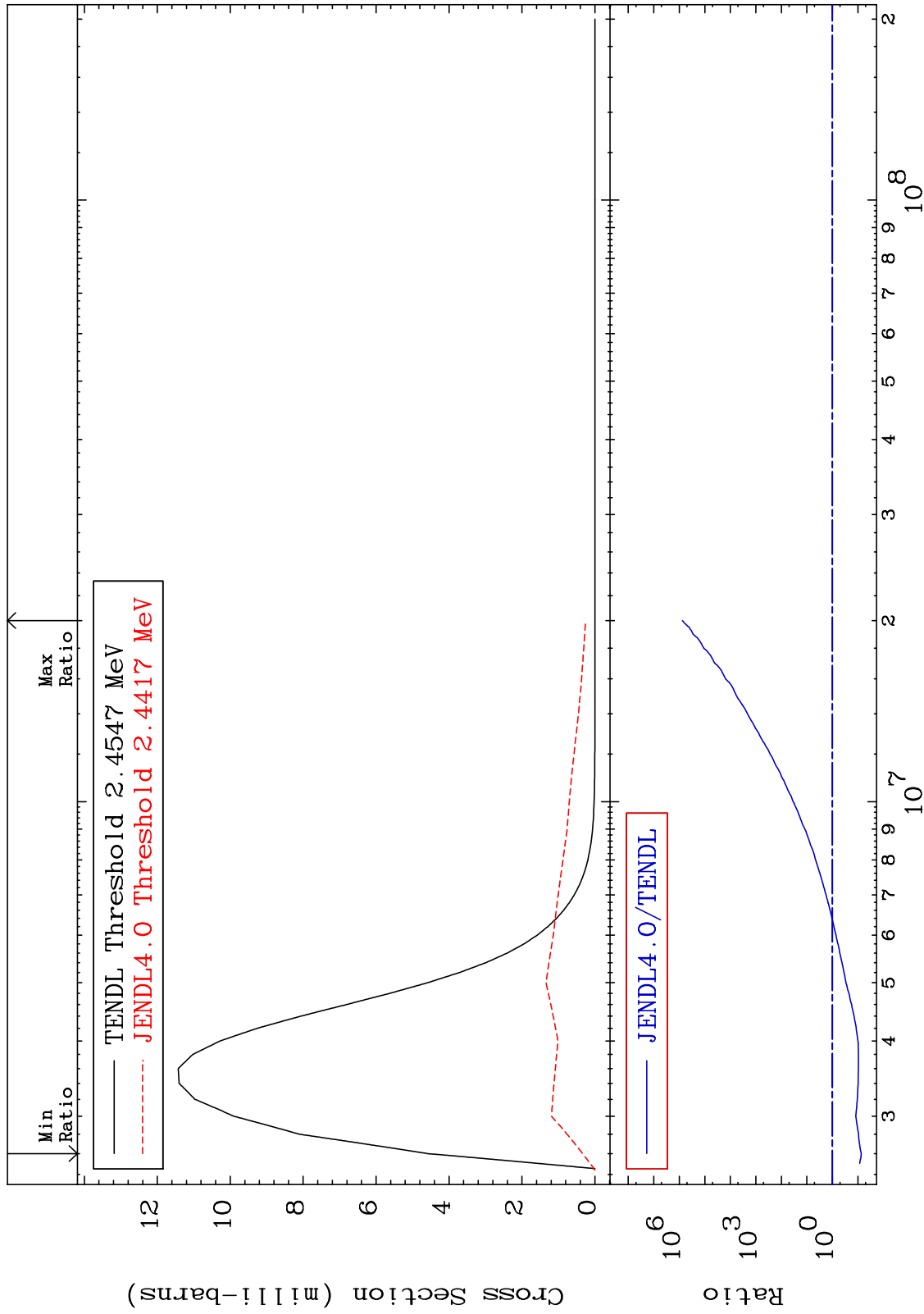
MAT 8325 MT= 52 (n,n') Level Cross Section 83-Bi-209 6.237 To 9999. %



MAT 8325

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

83-Bi-209
-92.63 To 9999. %

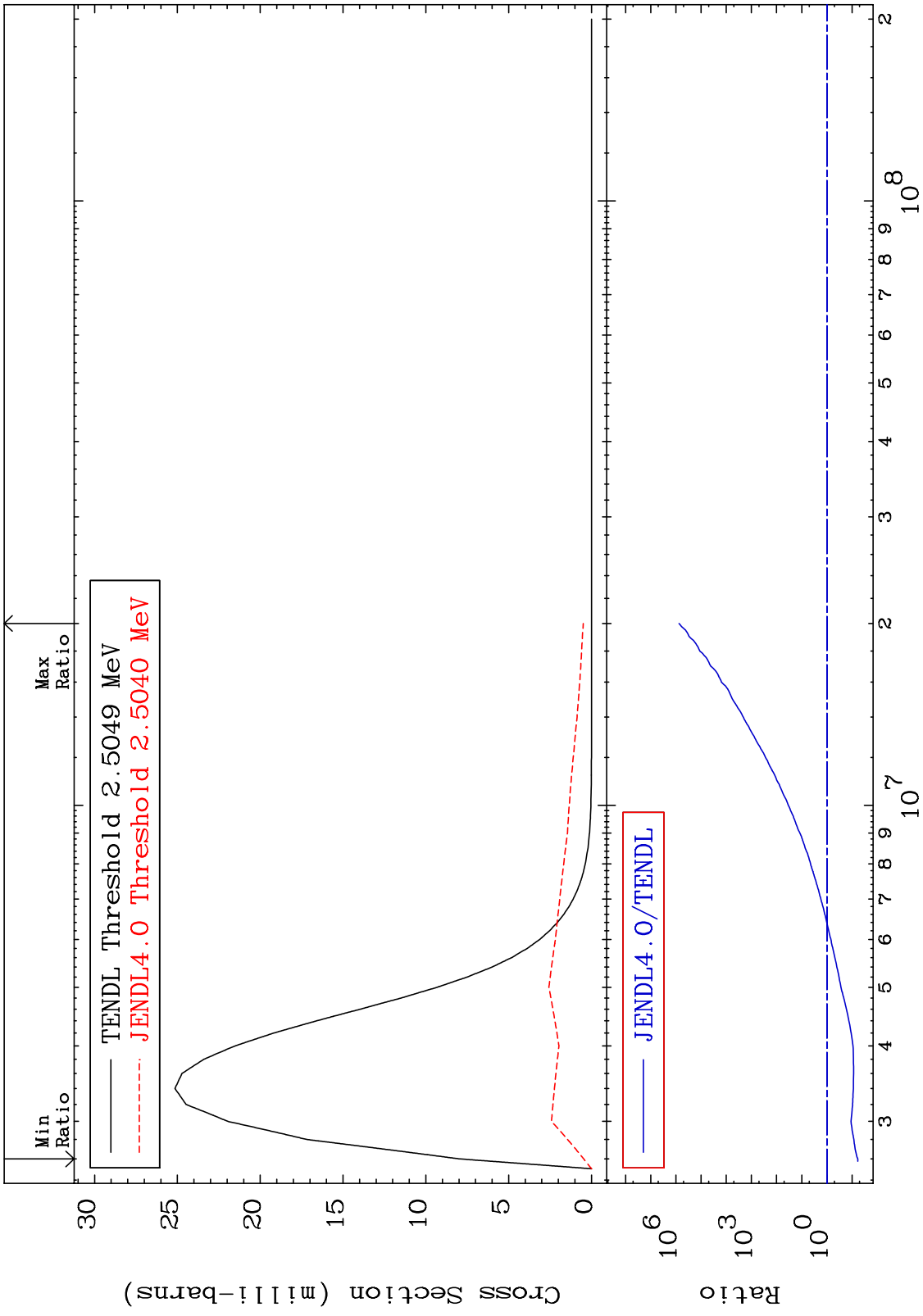


10

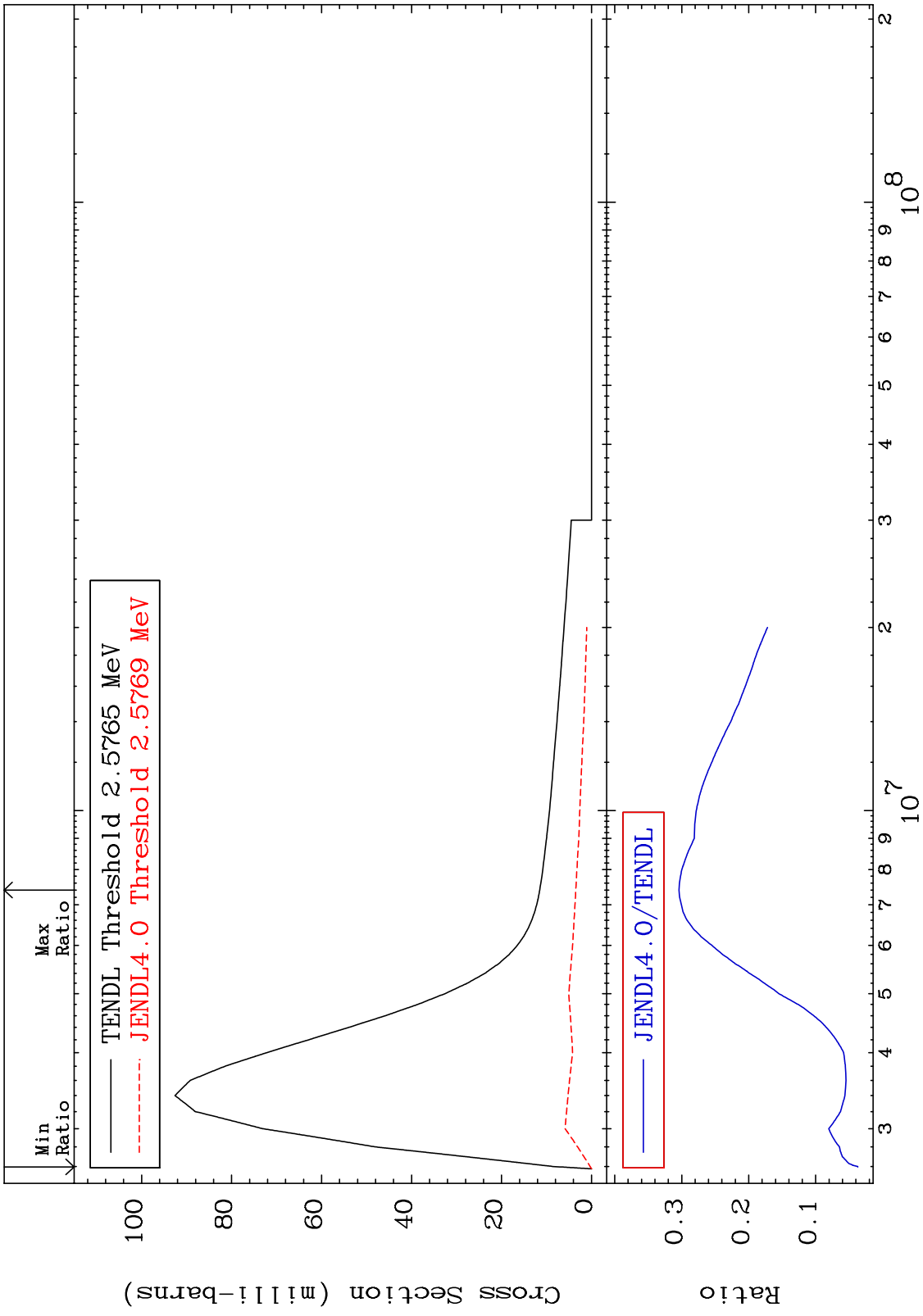
Incident Energy (eV)

83-Bi-209

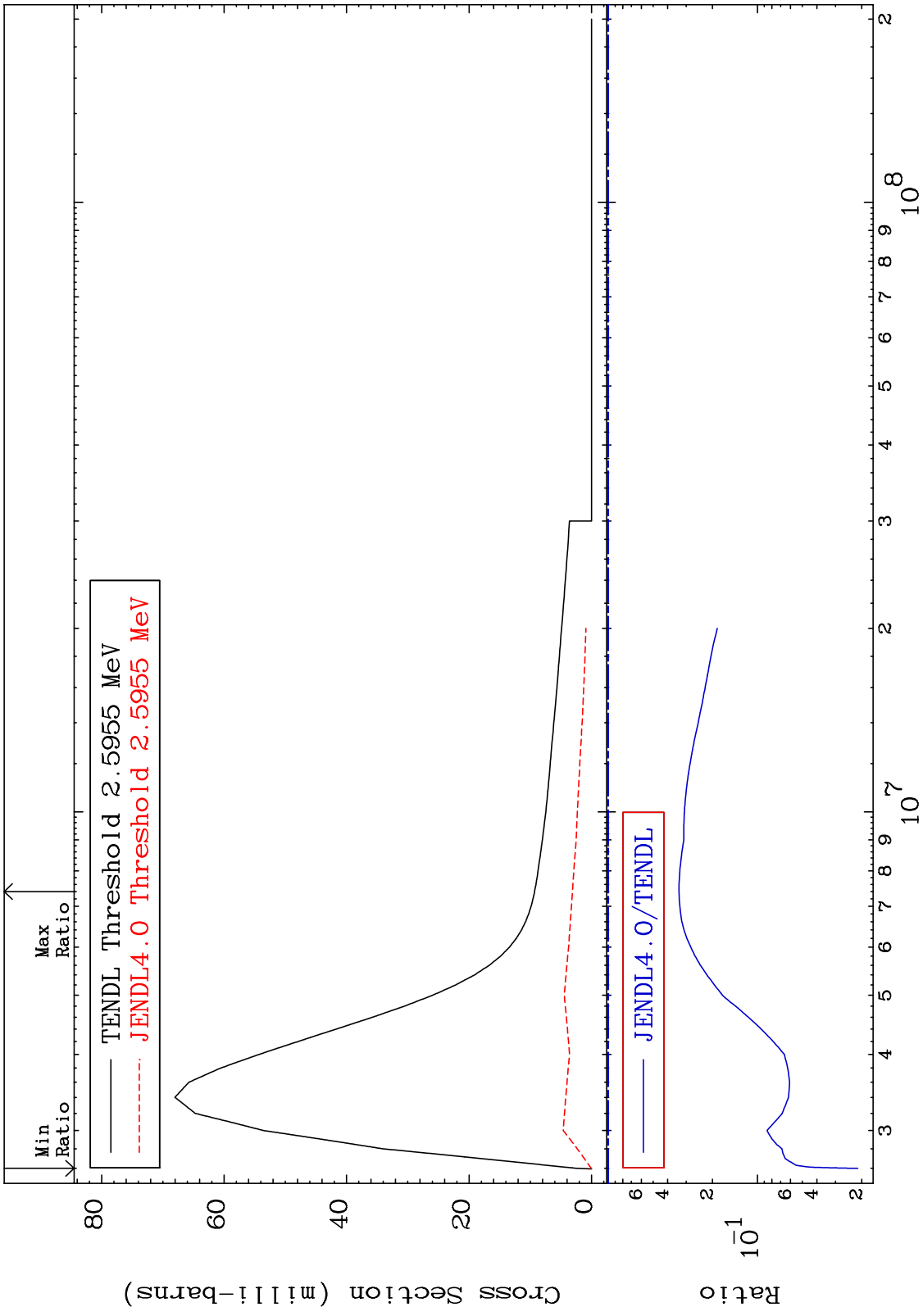
MAT 8325 MT= 54 (n,n') Level Cross Section 83-Bi-209 -94.11 To 9999. %



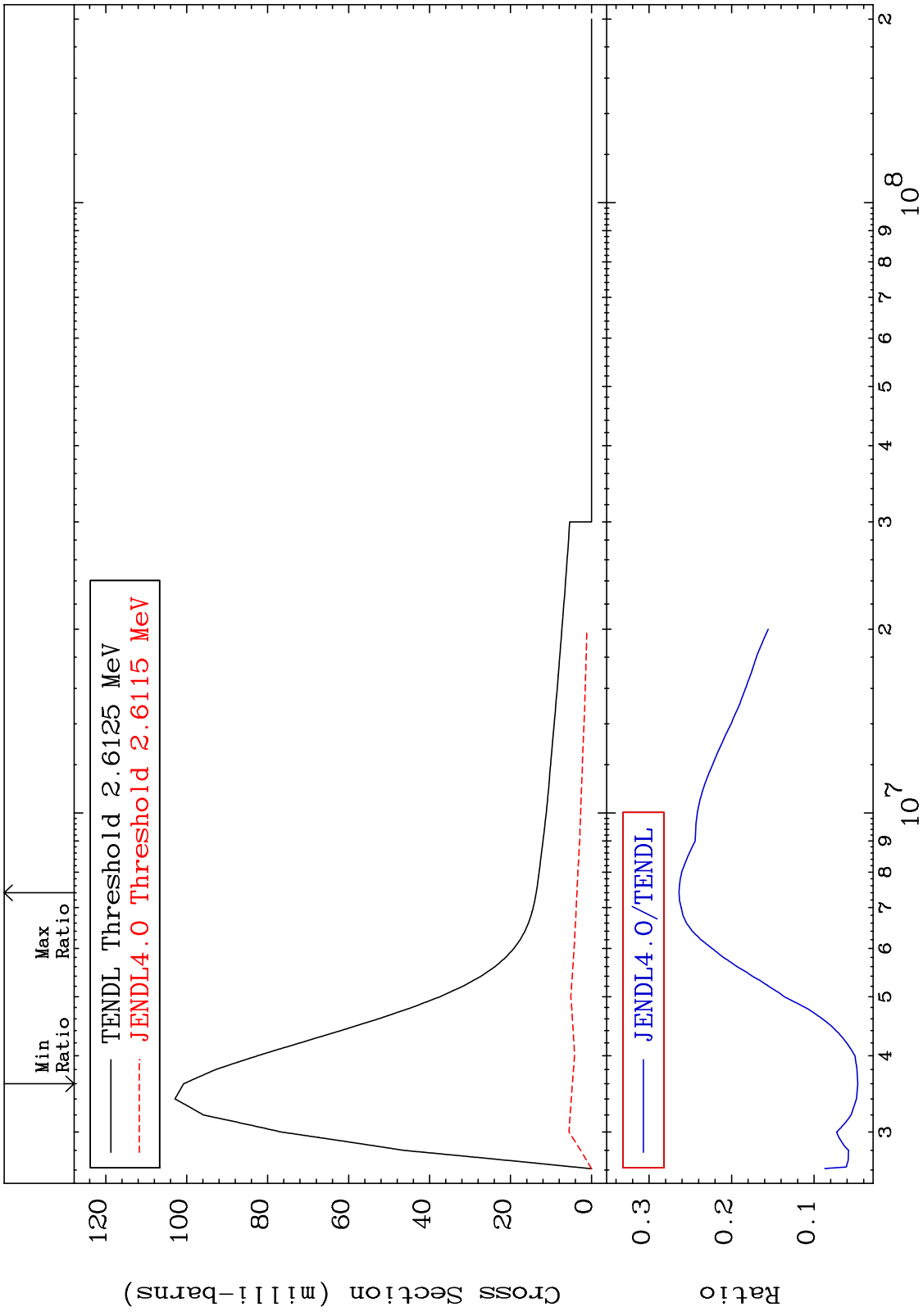
MAT 8325 MT= 55 (n,n') Level Cross Section 83-Bi-209 -96.29 To -69.60%



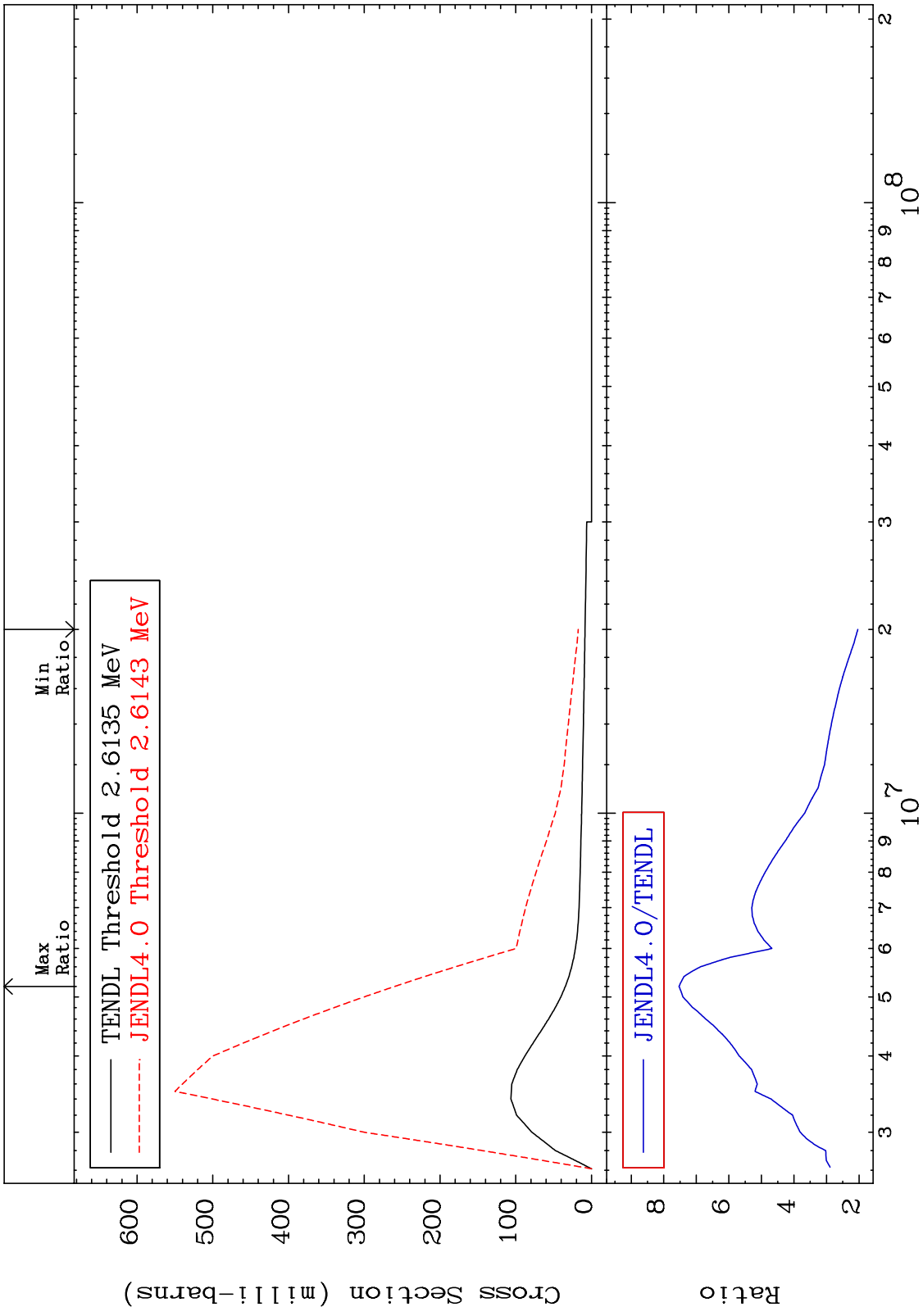
MAT 8325 MT= 56 (n,n') Level Cross Section 83-Bi-209 -97.88 To -66.47%



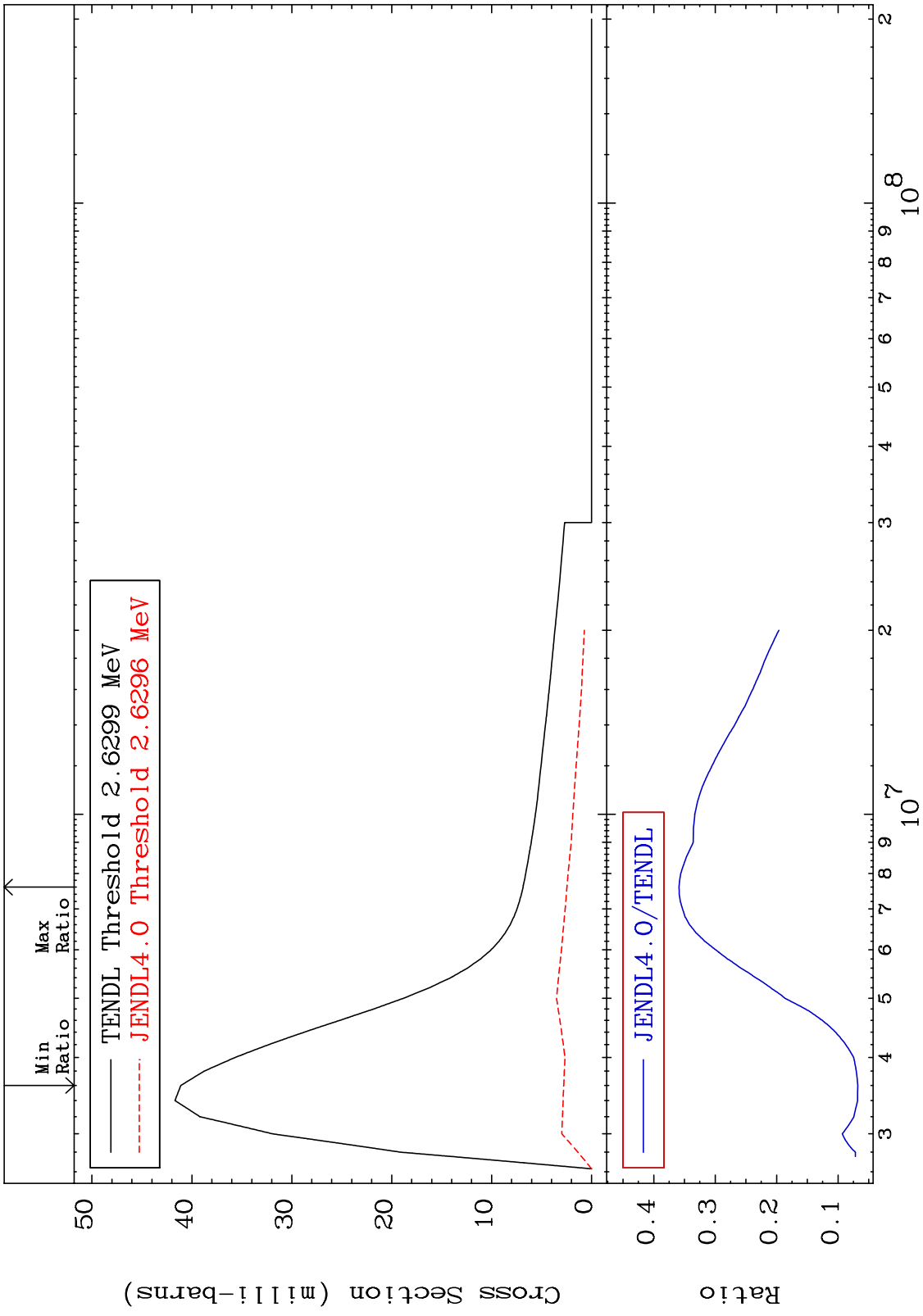
MAT 8325 MT= 57 (n,n') Level Cross Section 83-Bi-209 -95.30 To -73.63%



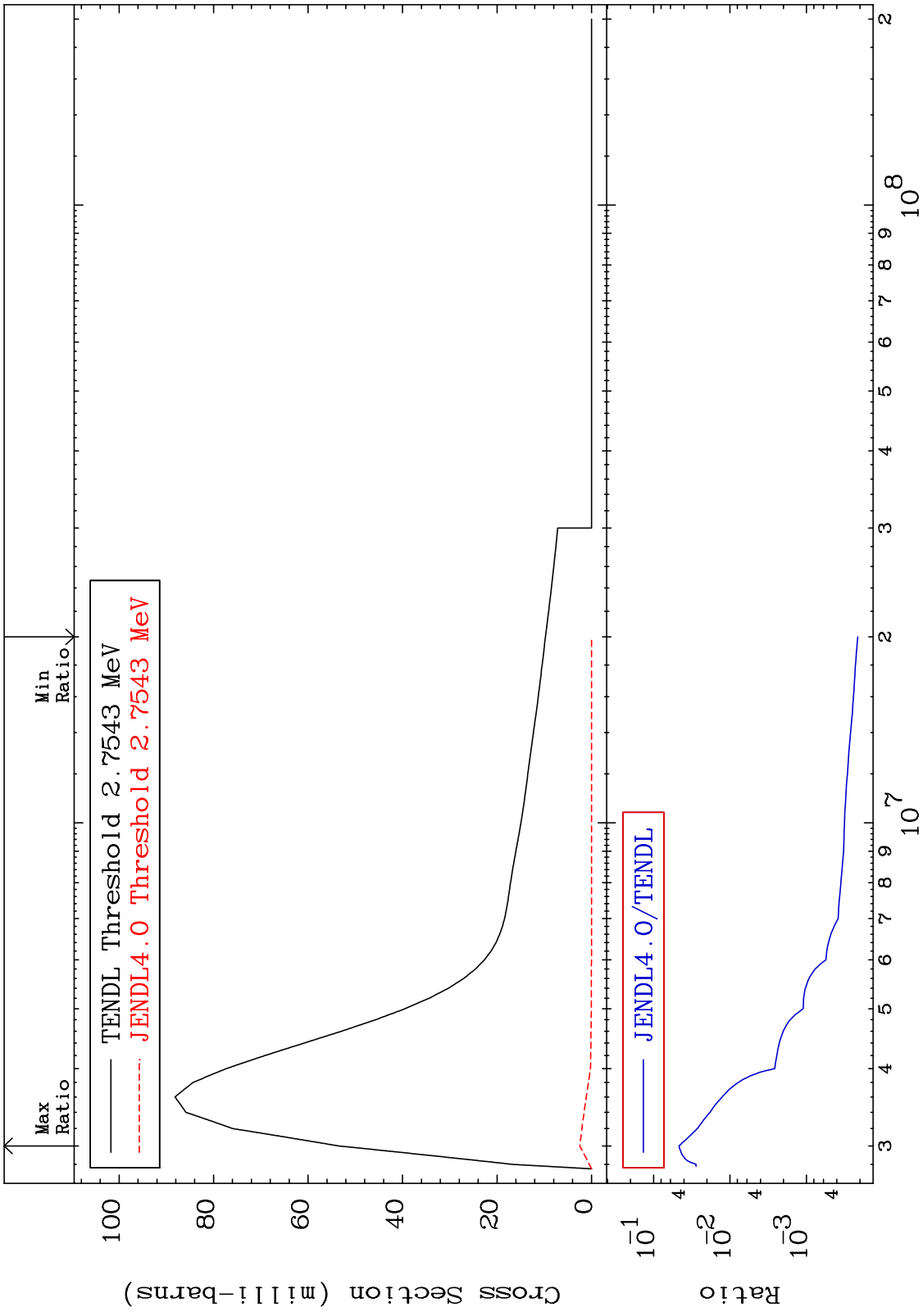
MAT 8325 MT= 58 (n,n') Level Cross Section 83-Bi-209 103.8 To 653.1 %



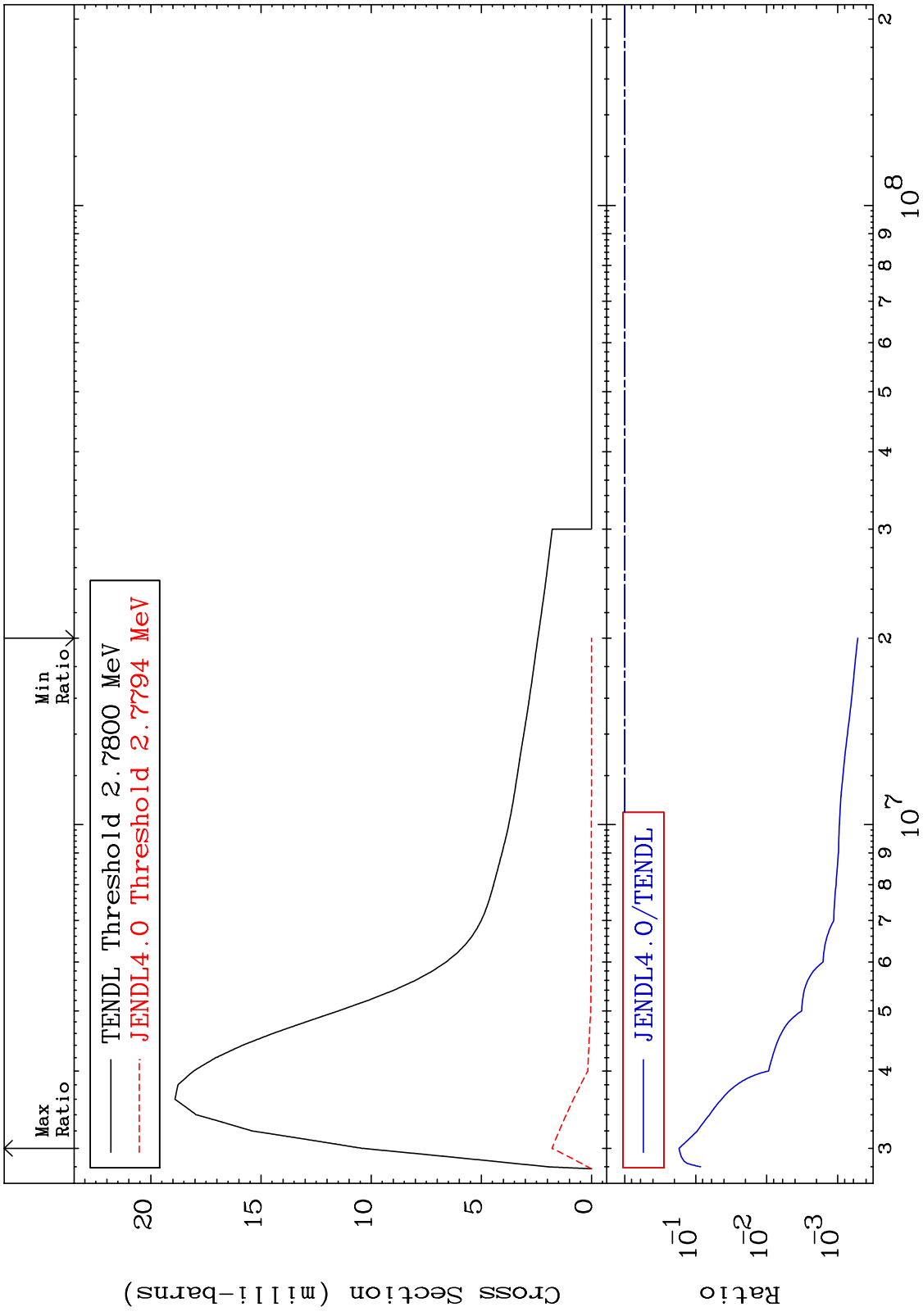
MAT 8325 MT= 59 (n,n') Level Cross Section 83-Bi-209 -93.23 To -64.12%



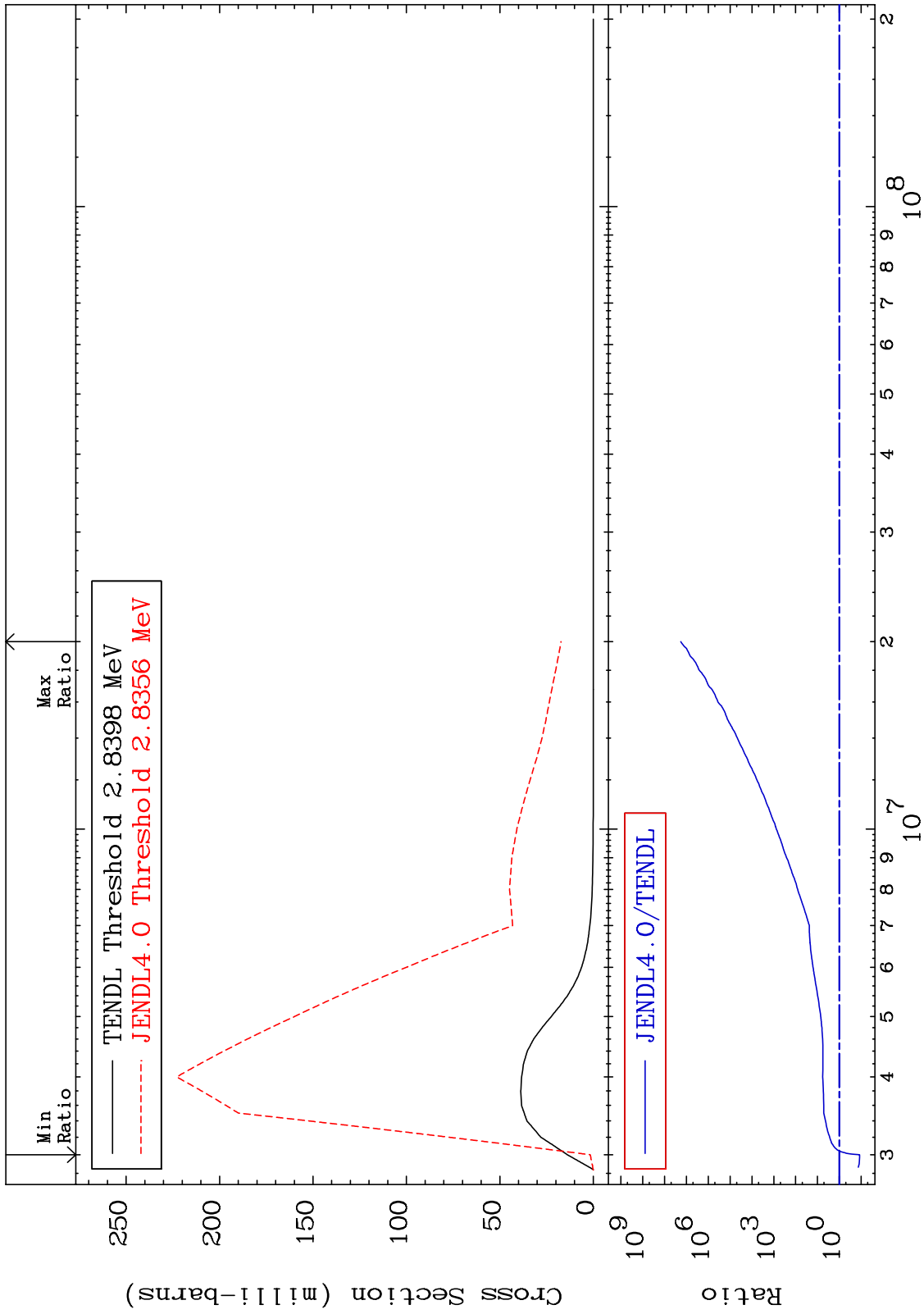
MAT 8325 MT= 60 (n,n') Level Cross Section 83-Bi-209 -99.98 To -95.36%



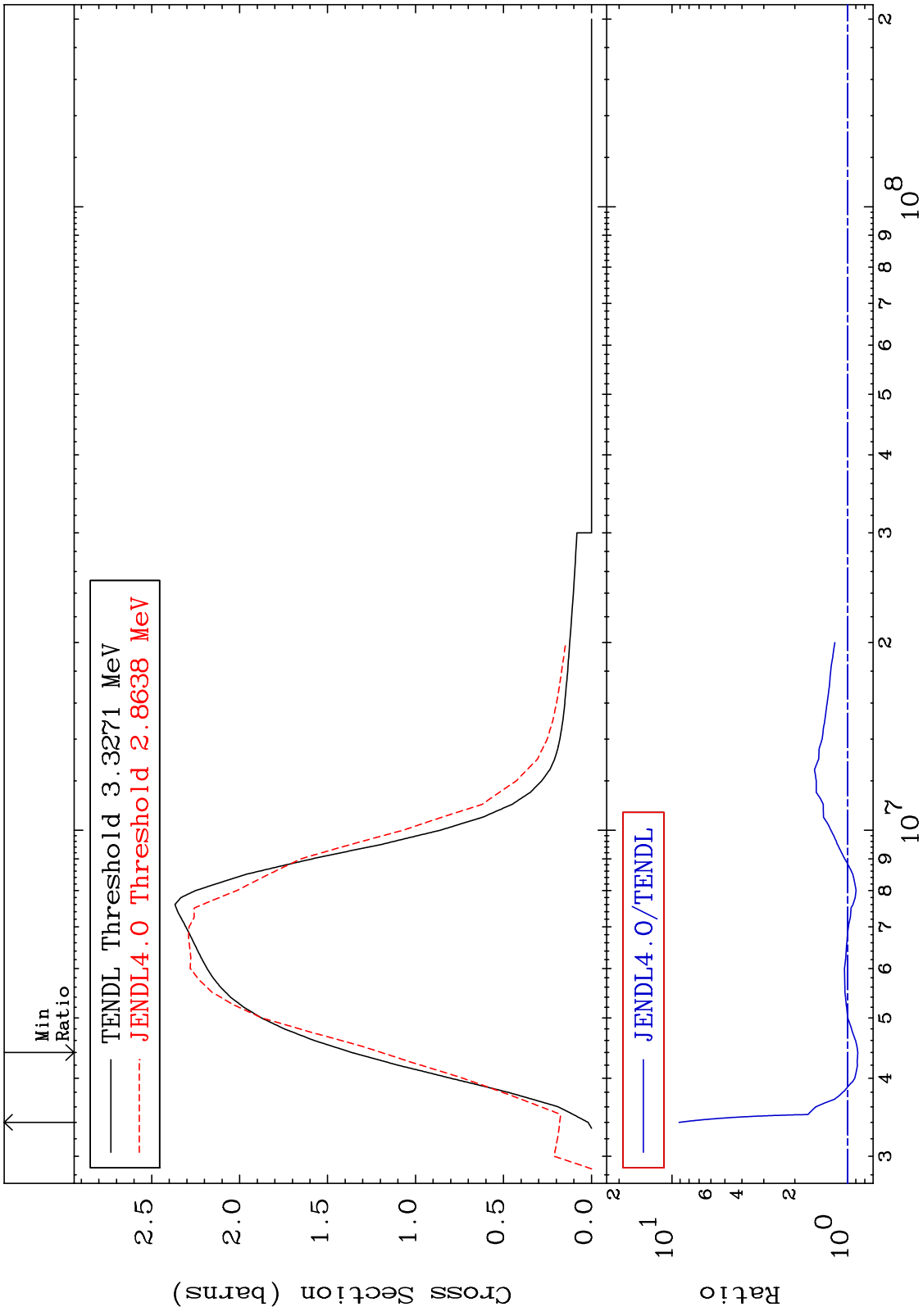
MAT 8325 MT= 61 (n,n') Level Cross Section 83-Bi-209 -99.95 To -82.82%



MAT 8325 MT= 62 (n,n') Level Cross Section 83-Bi-209 -88.26 To 9999. %



MAT 8325 (n,n') Continuum Cross Section 83-Bi-209 -12.44 To 811.4 %



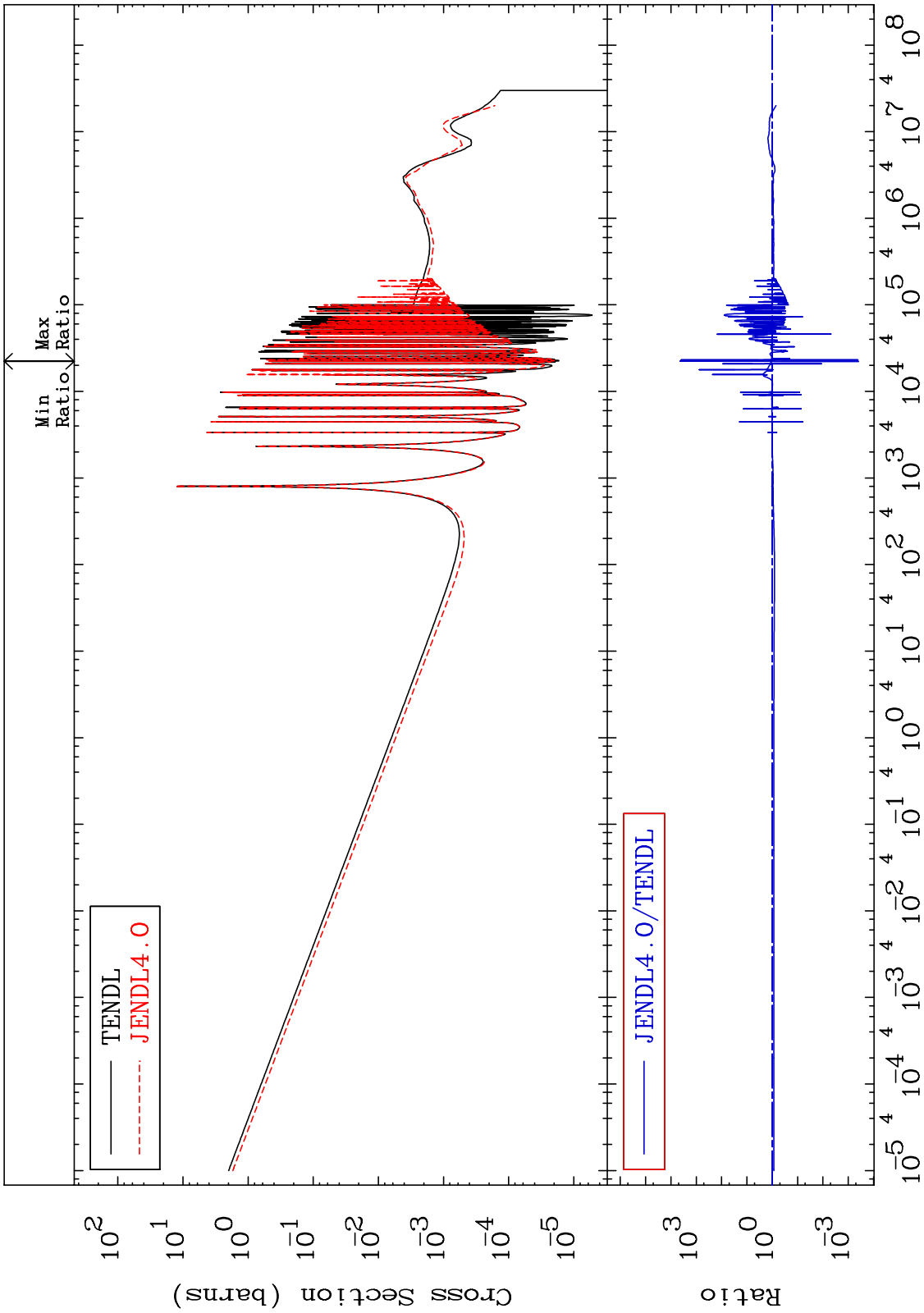
MAT 8325

(n, γ)

83-Bi-209

Cross Section

-99.96 To 9999. %



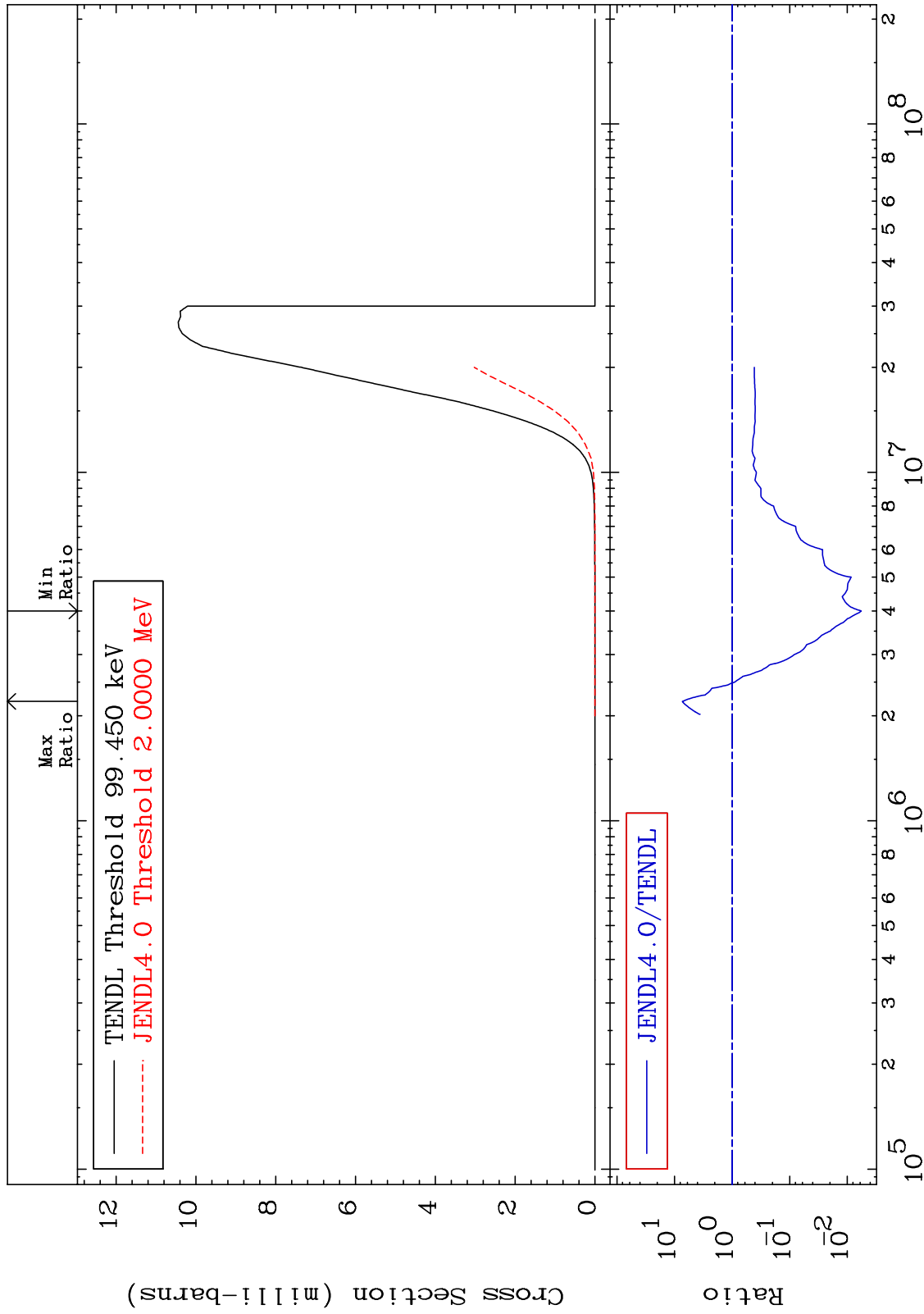
MAT 8325

(n,p)

83-Bi-209

Cross Section

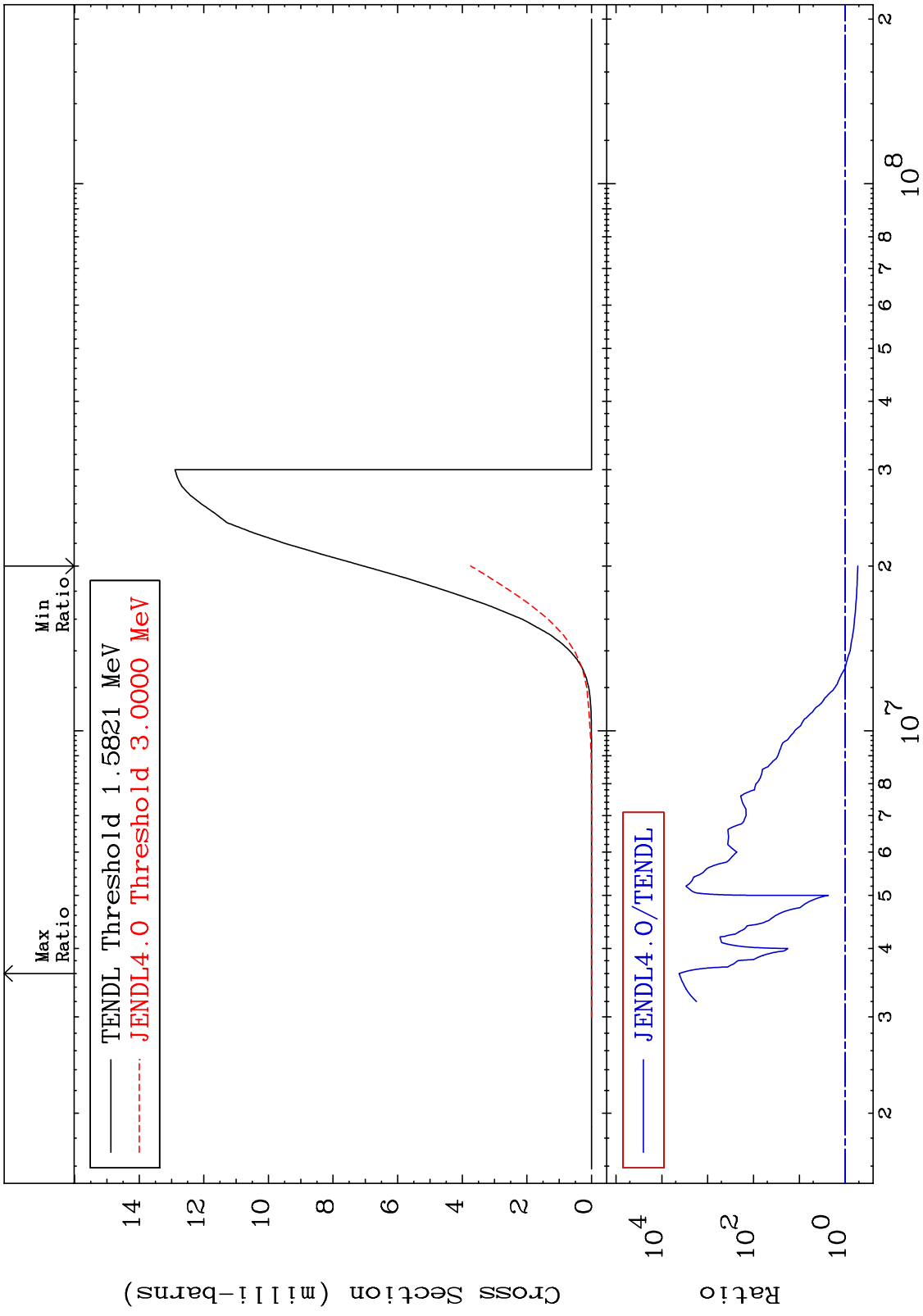
-99.43 To 629.6 %



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Incident Energy (eV)

83-Bi-209



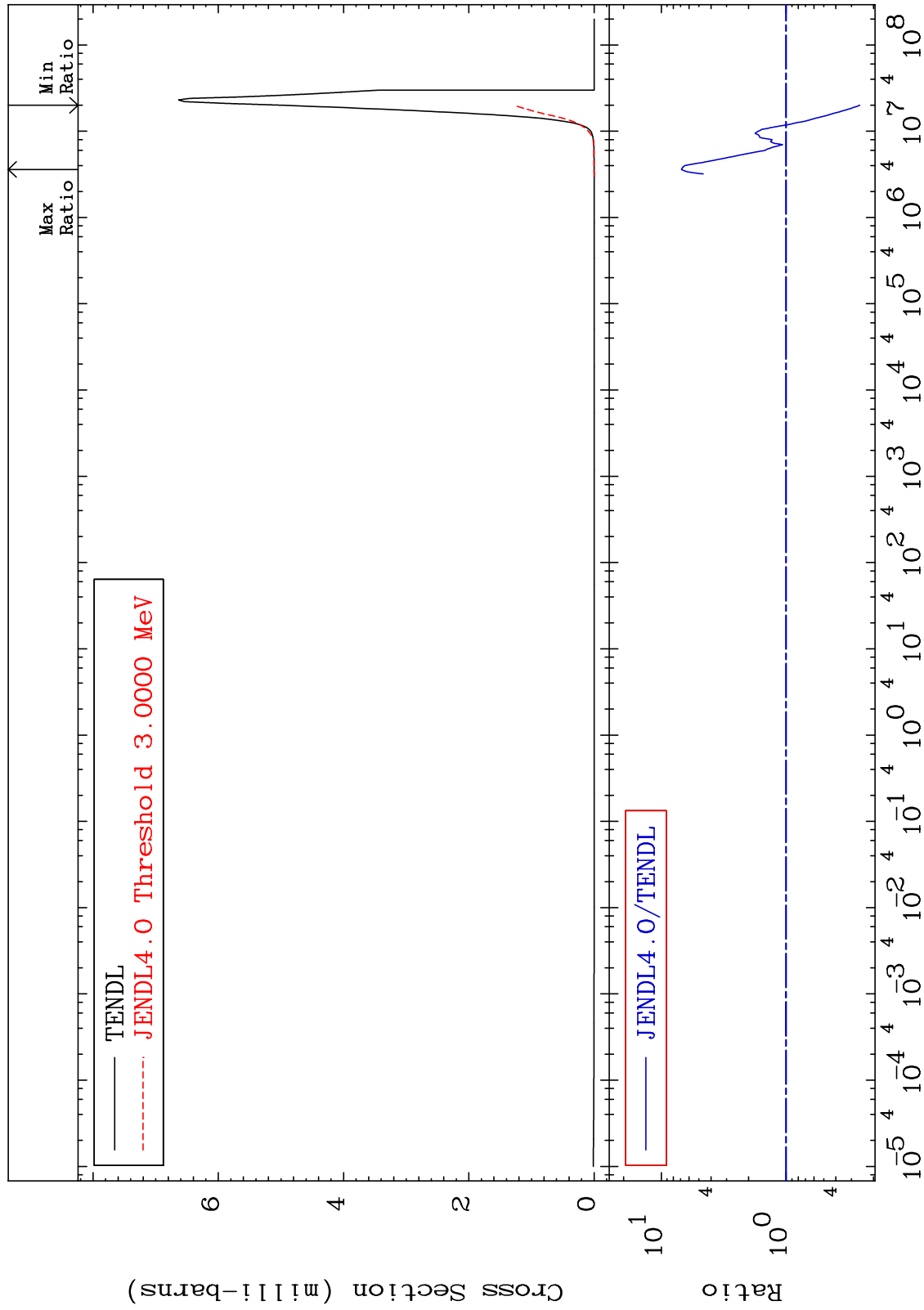
MAT 8325

(n, α)

83-Bi-209

Cross Section

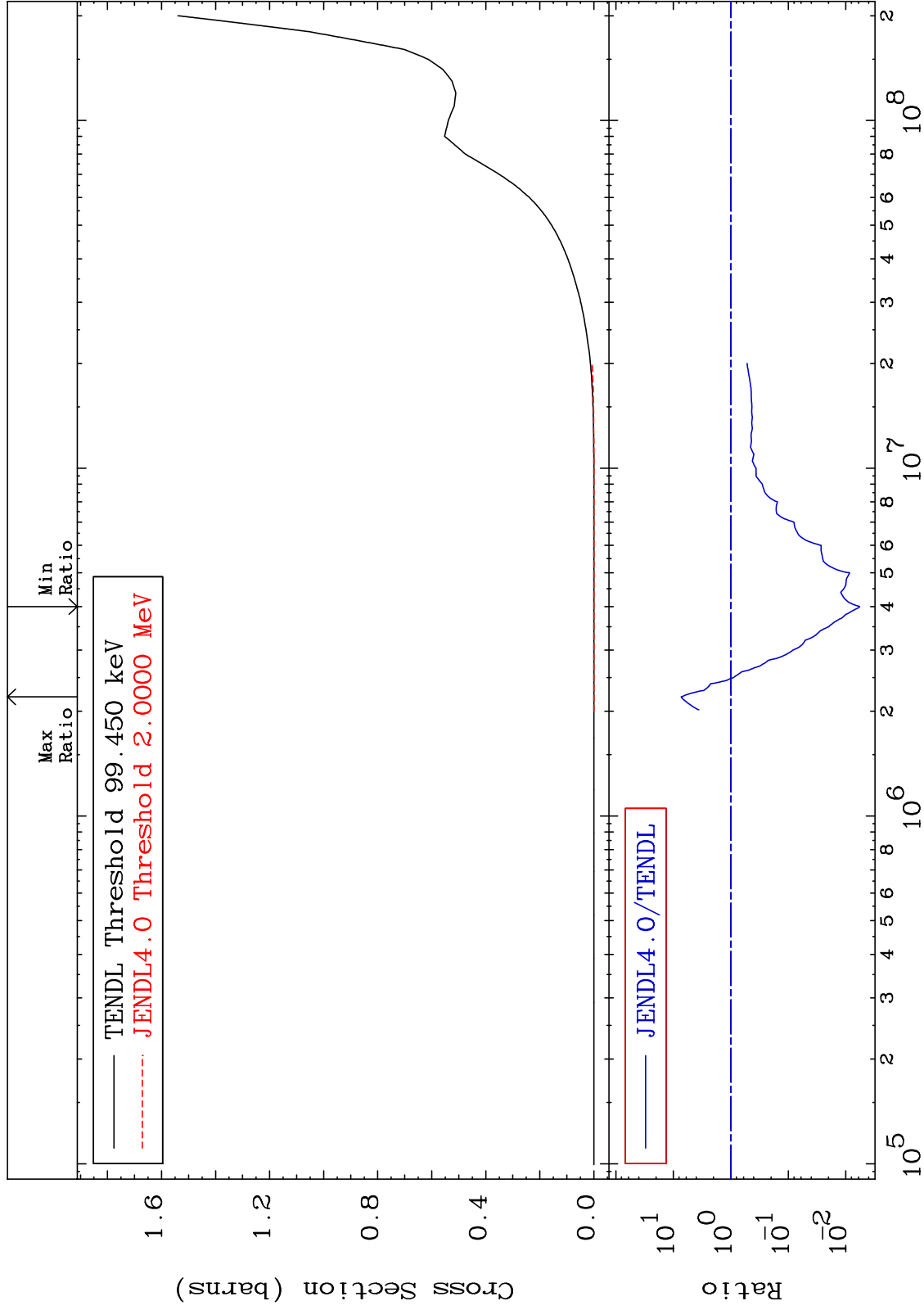
-74.28 To 588.9 %



MAT 8325

Hydrogen Production
Cross Section

83-Bi-209
-99.43 To 629.6 %



25

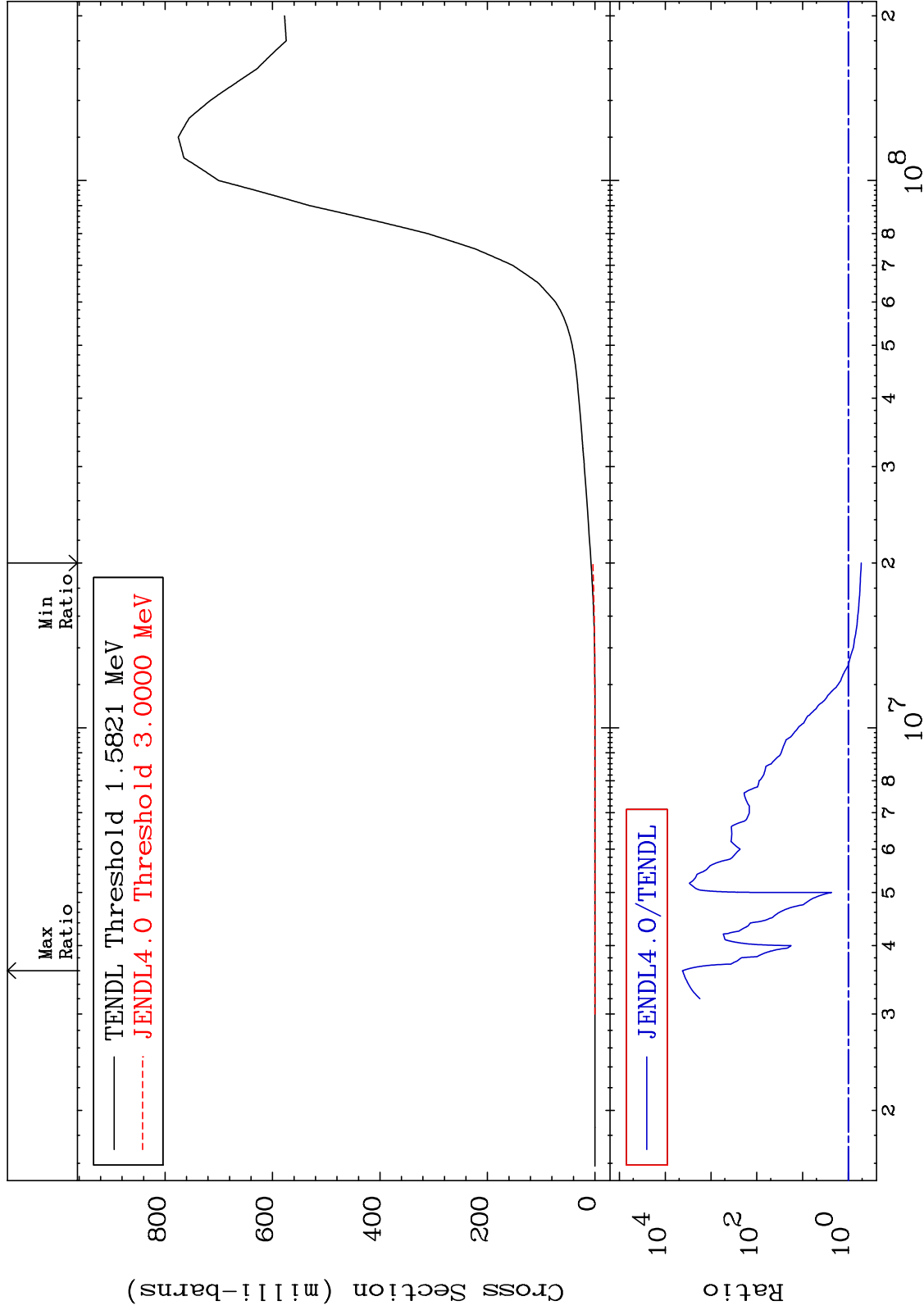
Incident Energy (eV)

83-Bi-209

MAT 8325

Deuterium Production
Cross Section

83-Bi-209
-47.66 To 9999. %



26

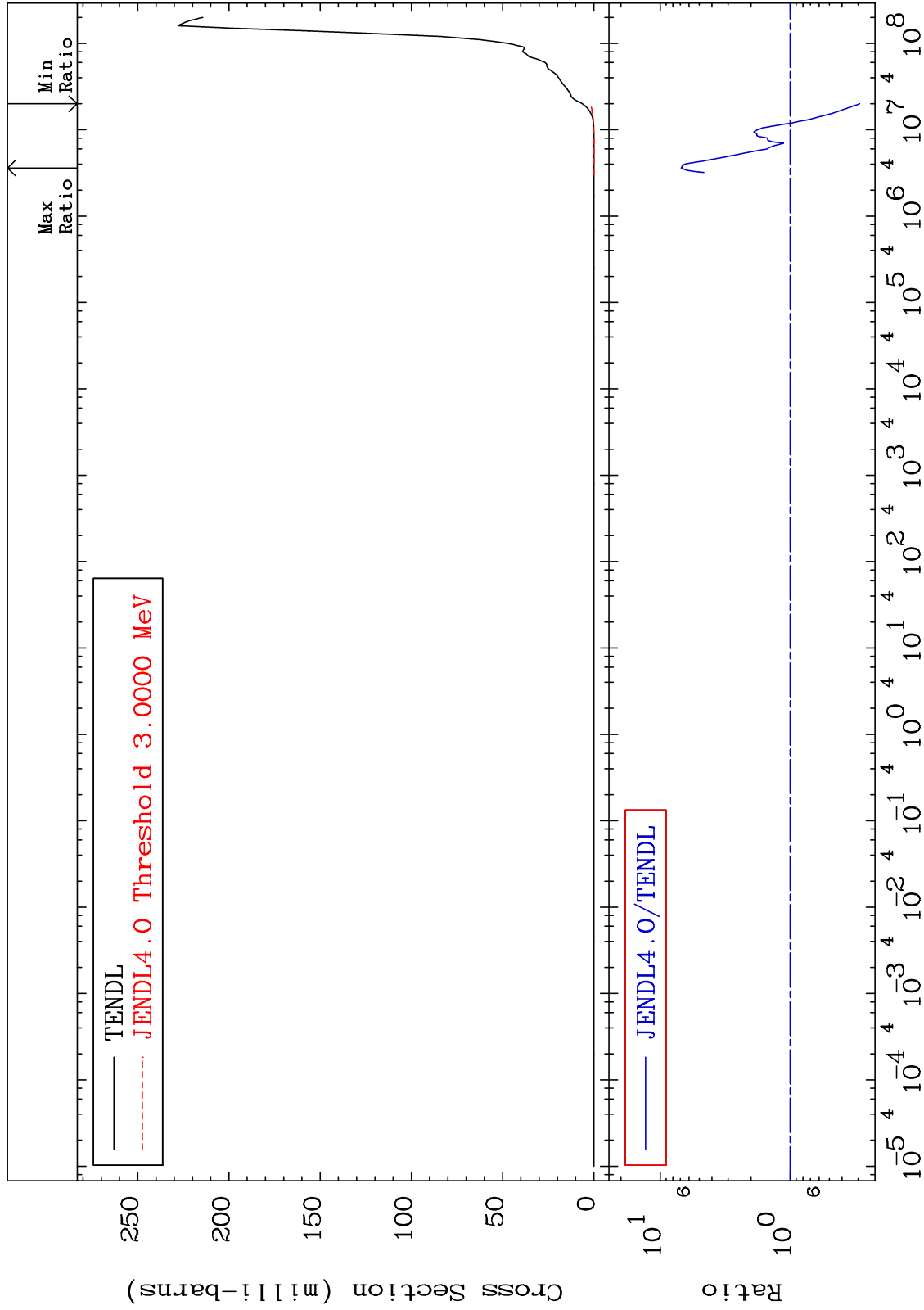
Incident Energy (eV)

83-Bi-209

MAT 8325

He-4 Production
Cross Section

83-Bi-209
-70.78 To 588.9 %

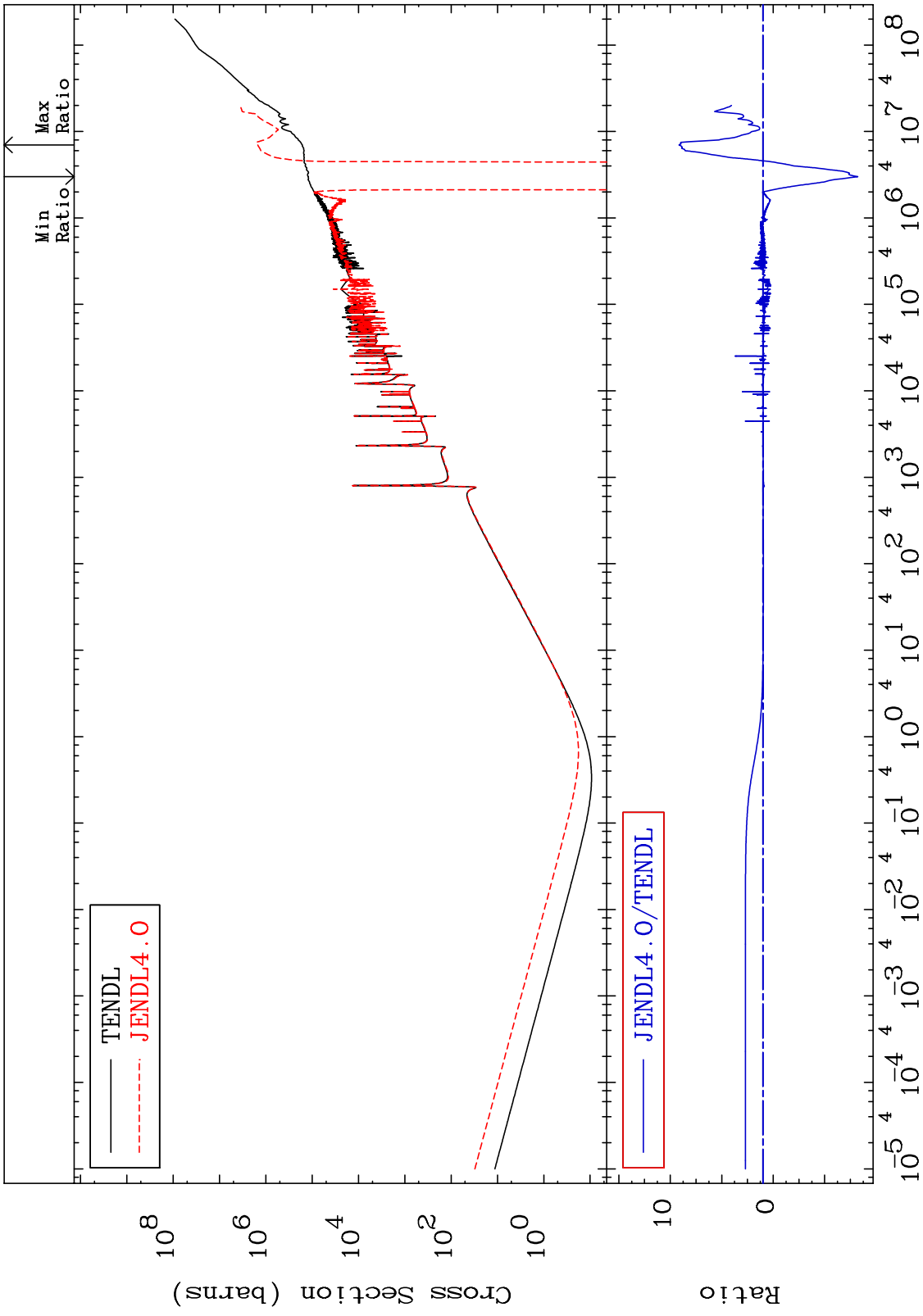


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Incident Energy (eV)

83-Bi-209

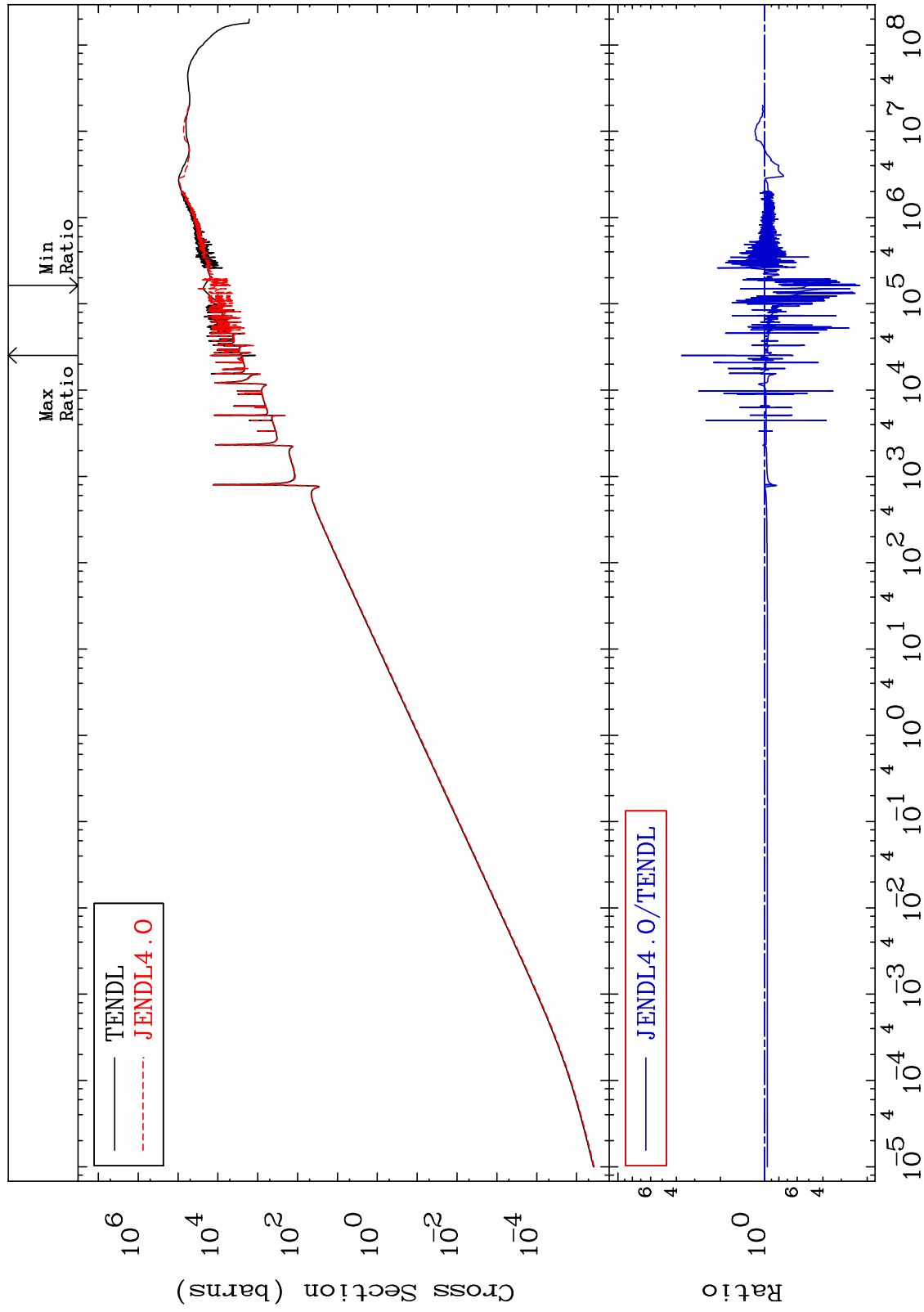
MAT 8325 Kerma total (eV-barns)
 Cross Section 83-Bi-209
 -922.5 To 814.6 %



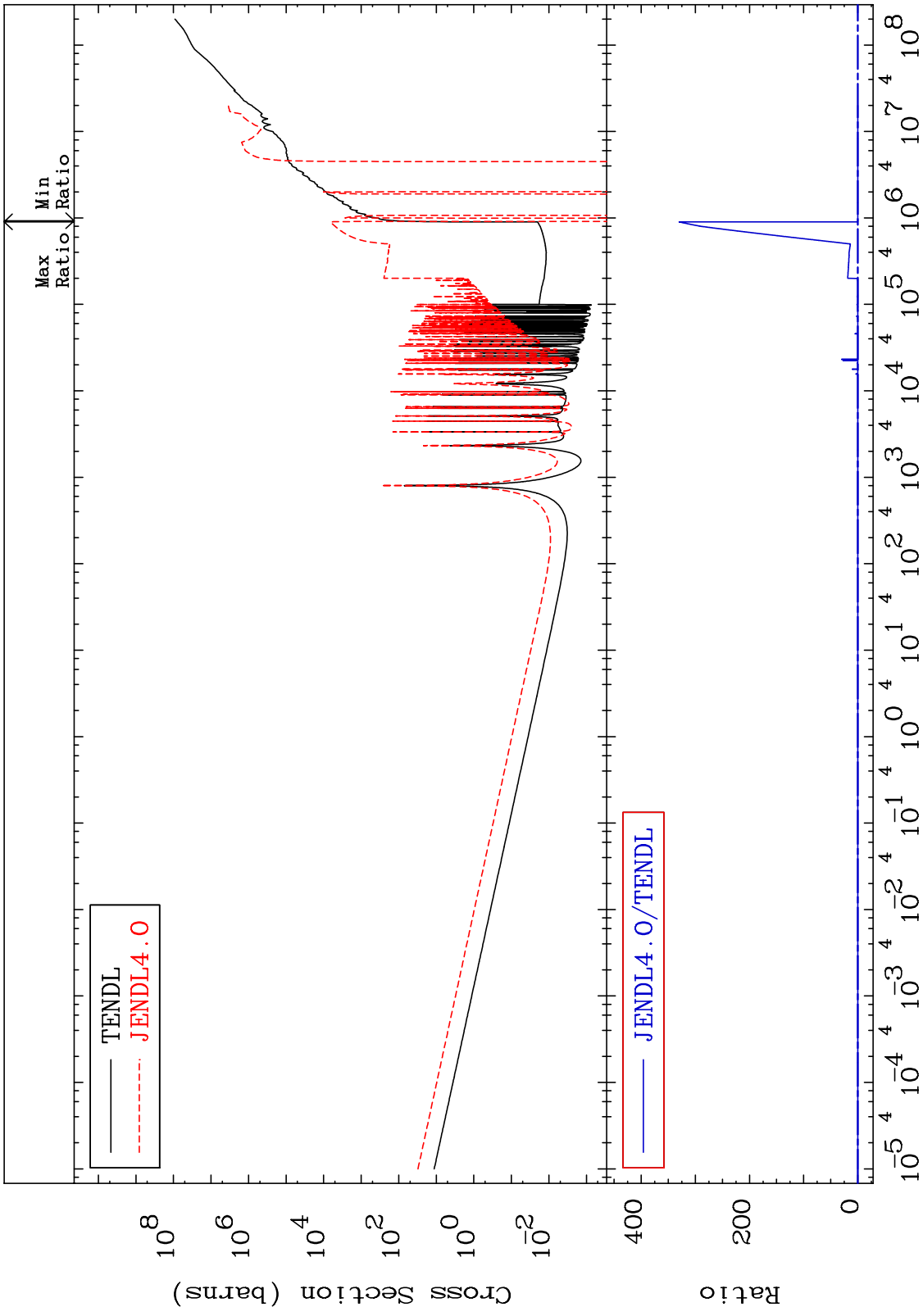
MAT 8325

Kerma elastic
Cross Section

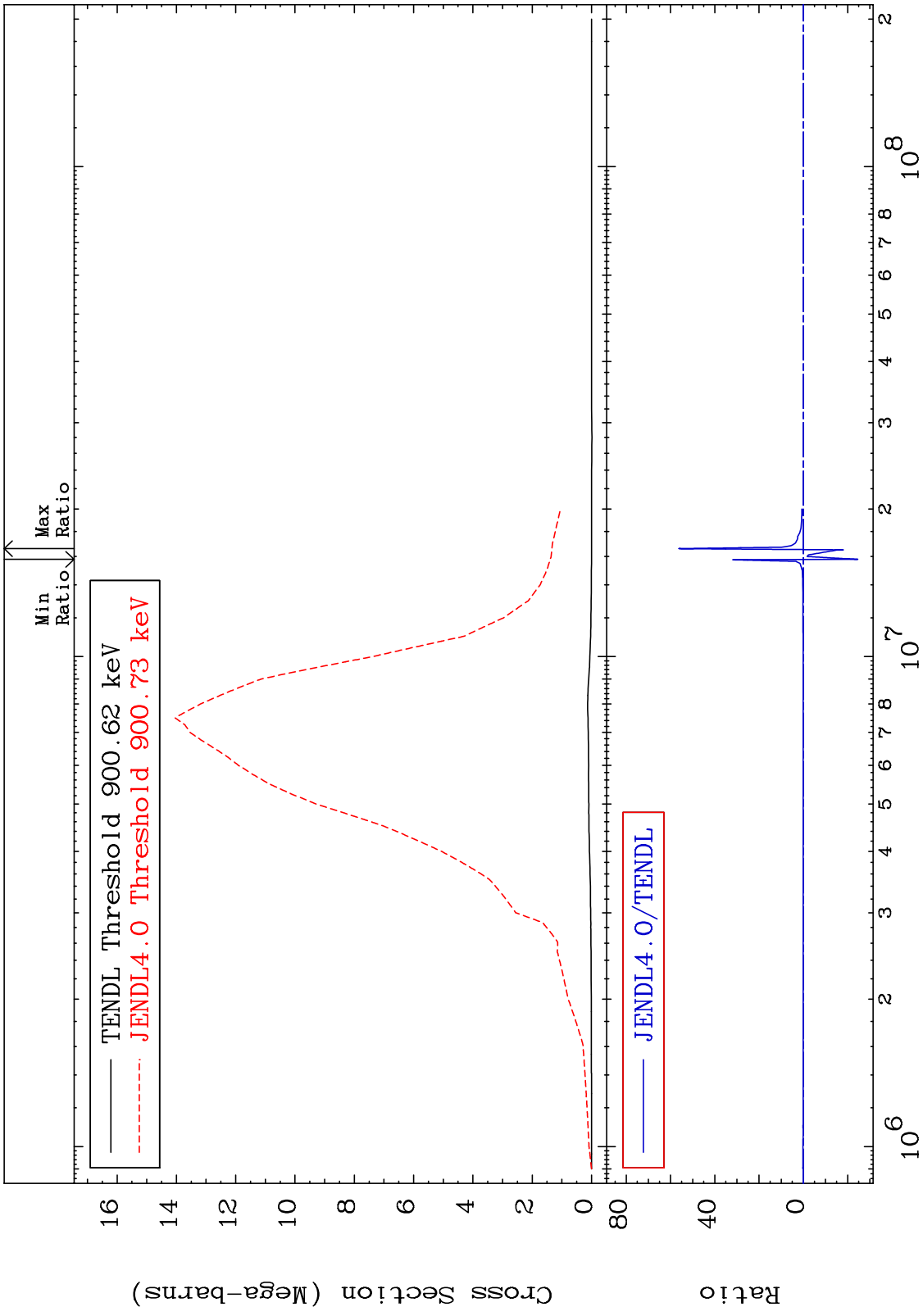
83-Bi-209
-77.56 To 269.4 %



MAT 8325 Kerma non-elastic (all but mt2) 83-Bi-209
 Cross Section -5234. To 9999. %



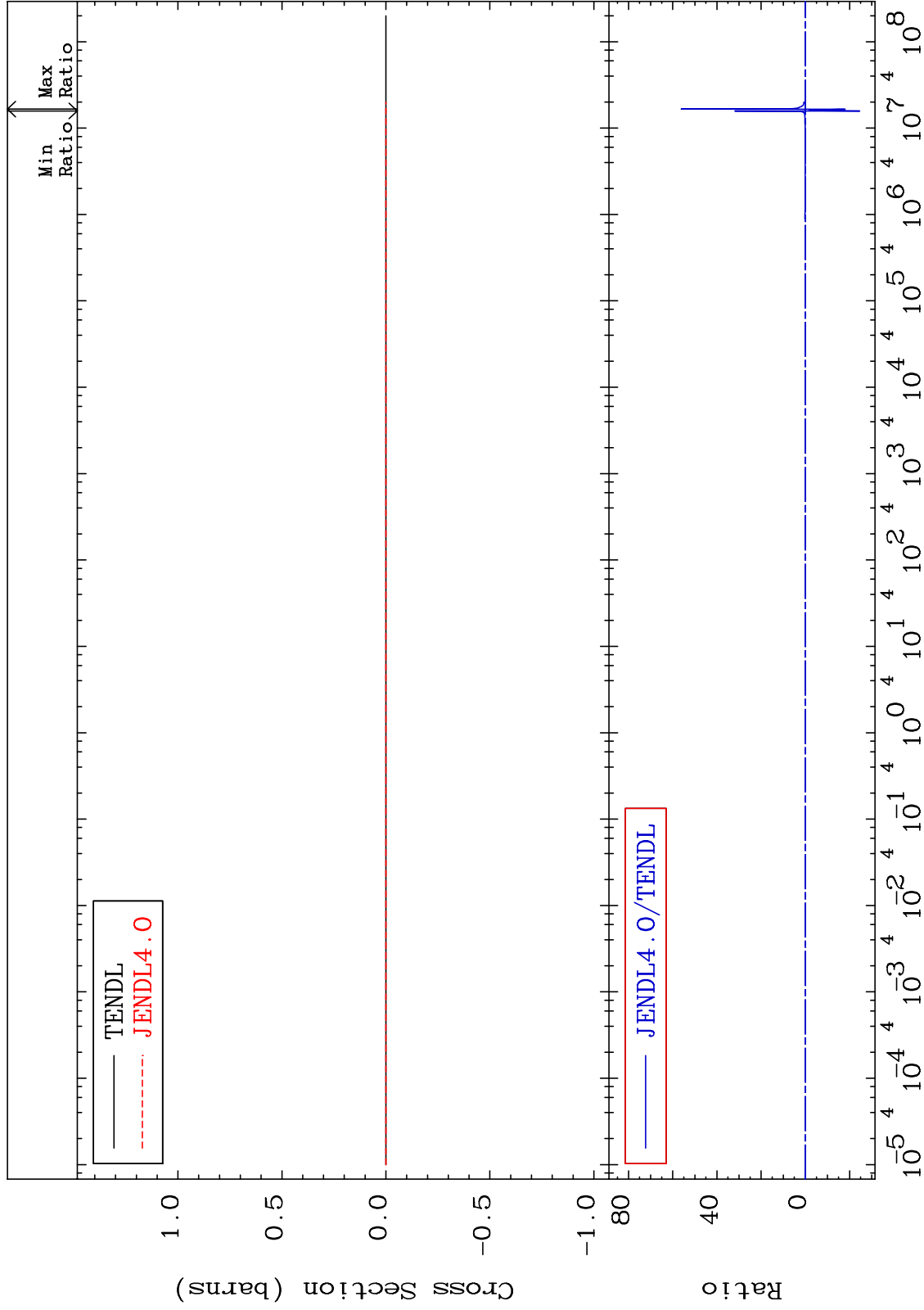
30 Incident Energy (eV) 83-Bi-209



MAT 8325

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

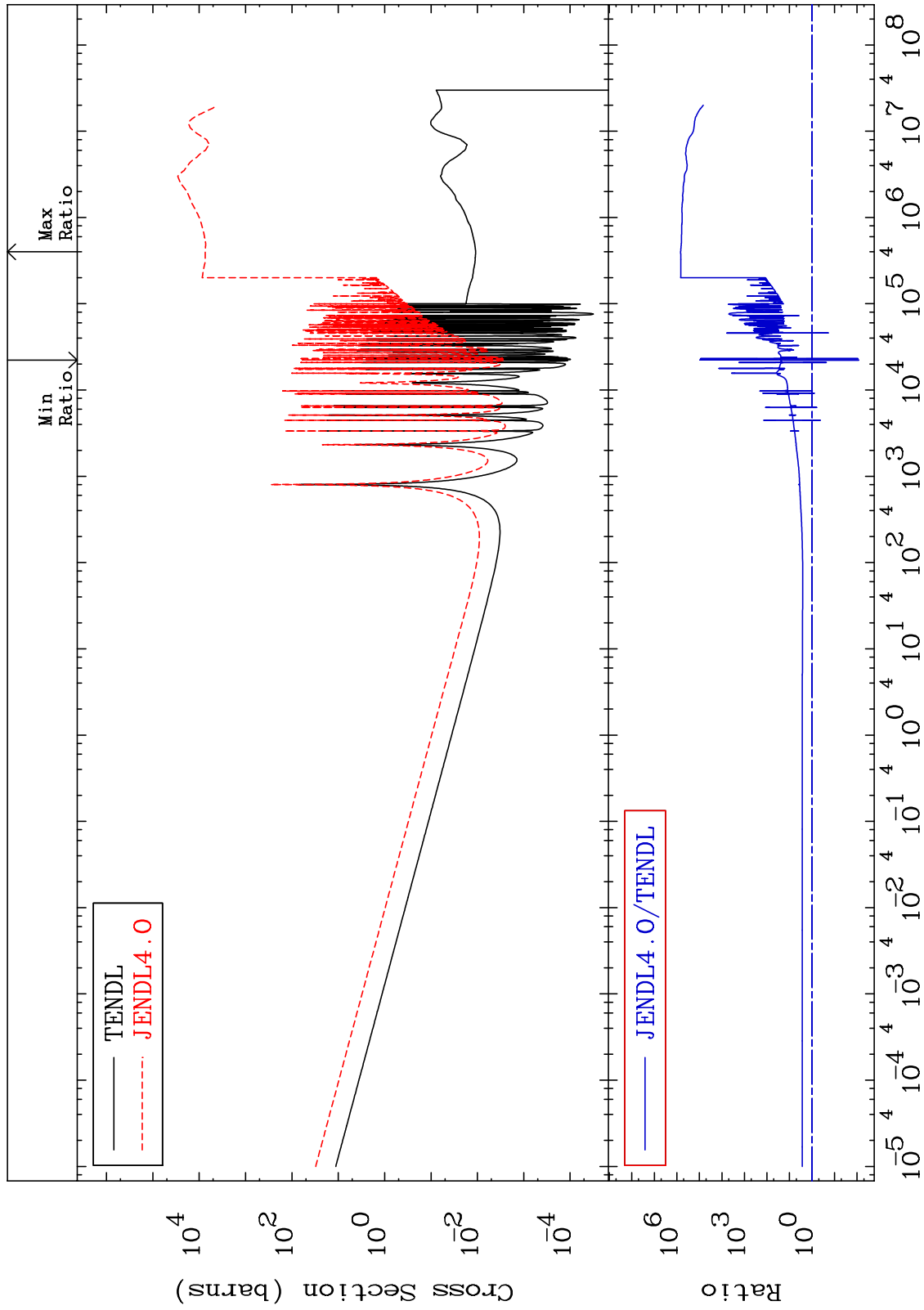
83-Bi-209
-9999. To 9999. %



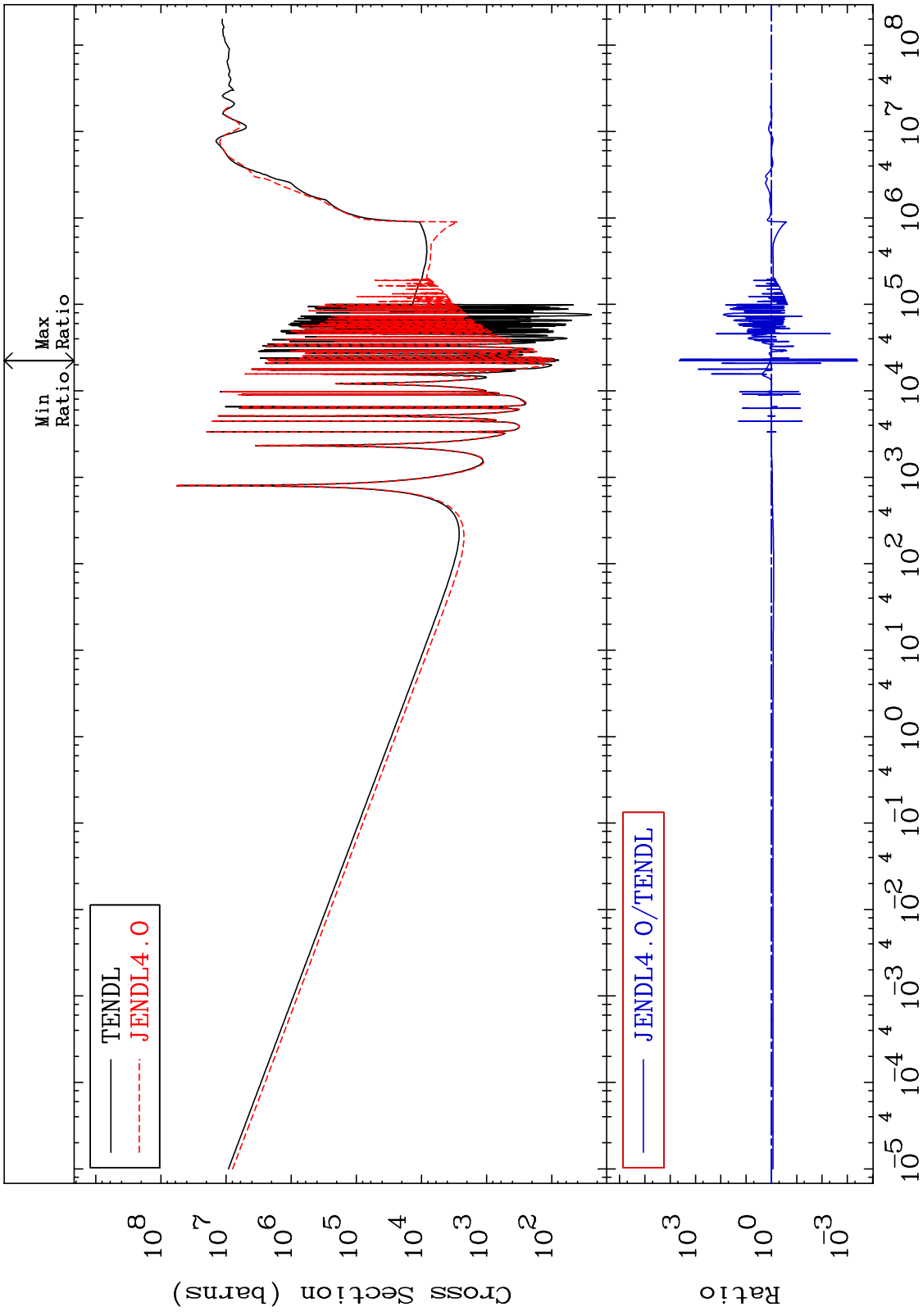
MAT 8325

Kerma capture (mt102)
Cross Section

83-Bi-209
-99.18 To 9999. %

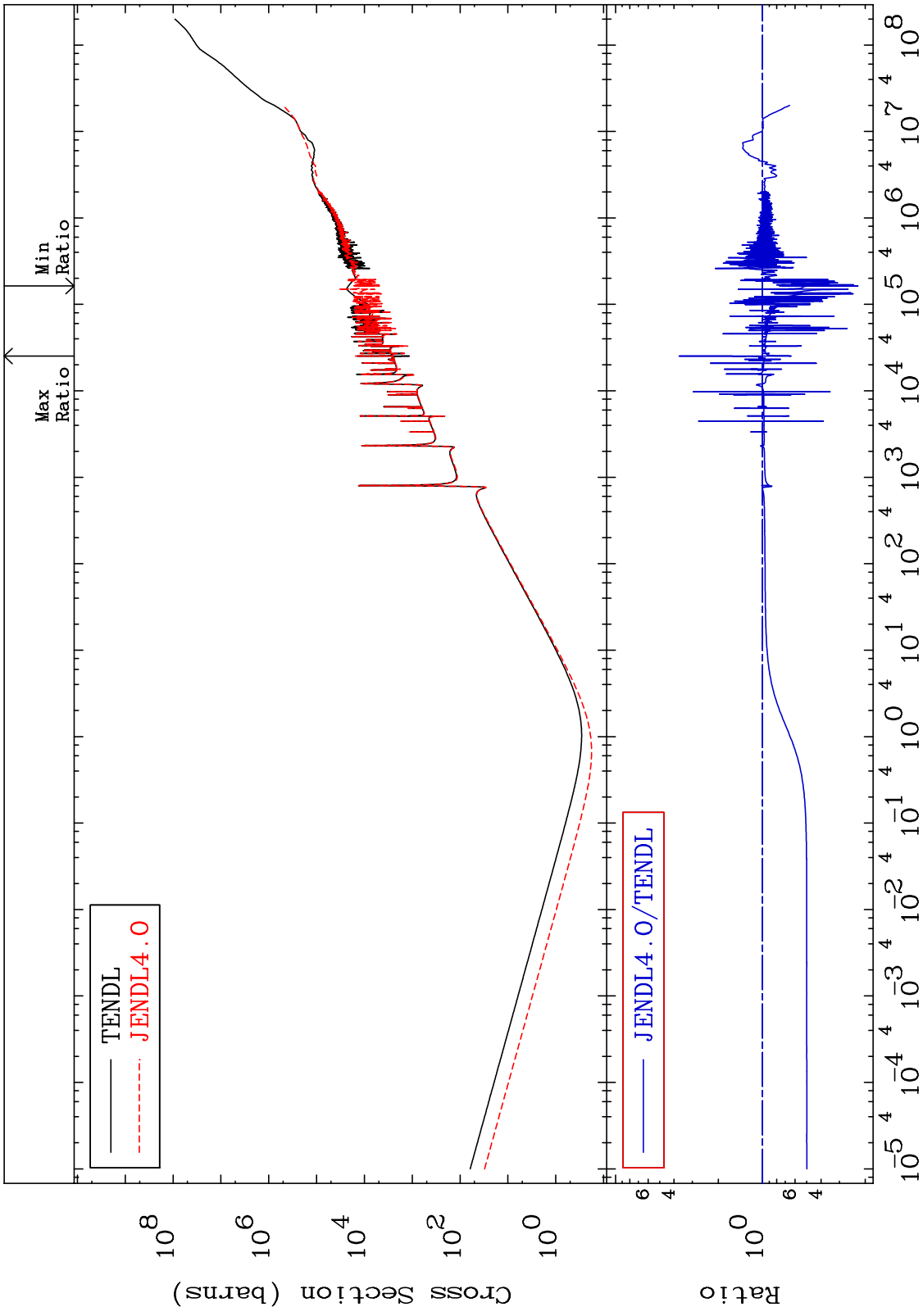


MAT 8325 83-Bi-209
 Total photon (eV-barns) -99.96 To 9999. %
 Cross Section



34 83-Bi-209

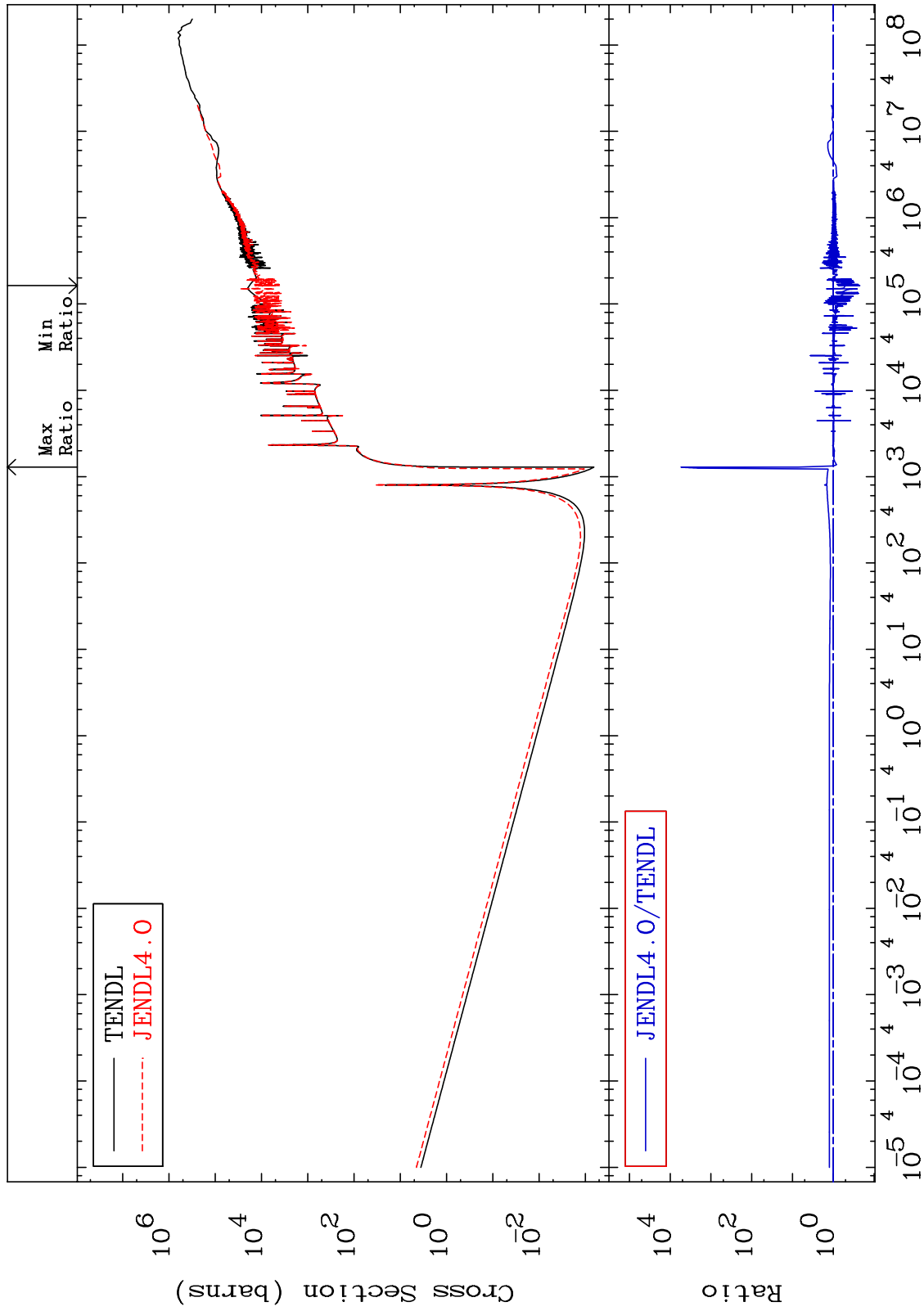
MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
 Cross Section -77.54 To 269.6 %



MAT 8325

Dpa total (eV-barns)
Cross Section

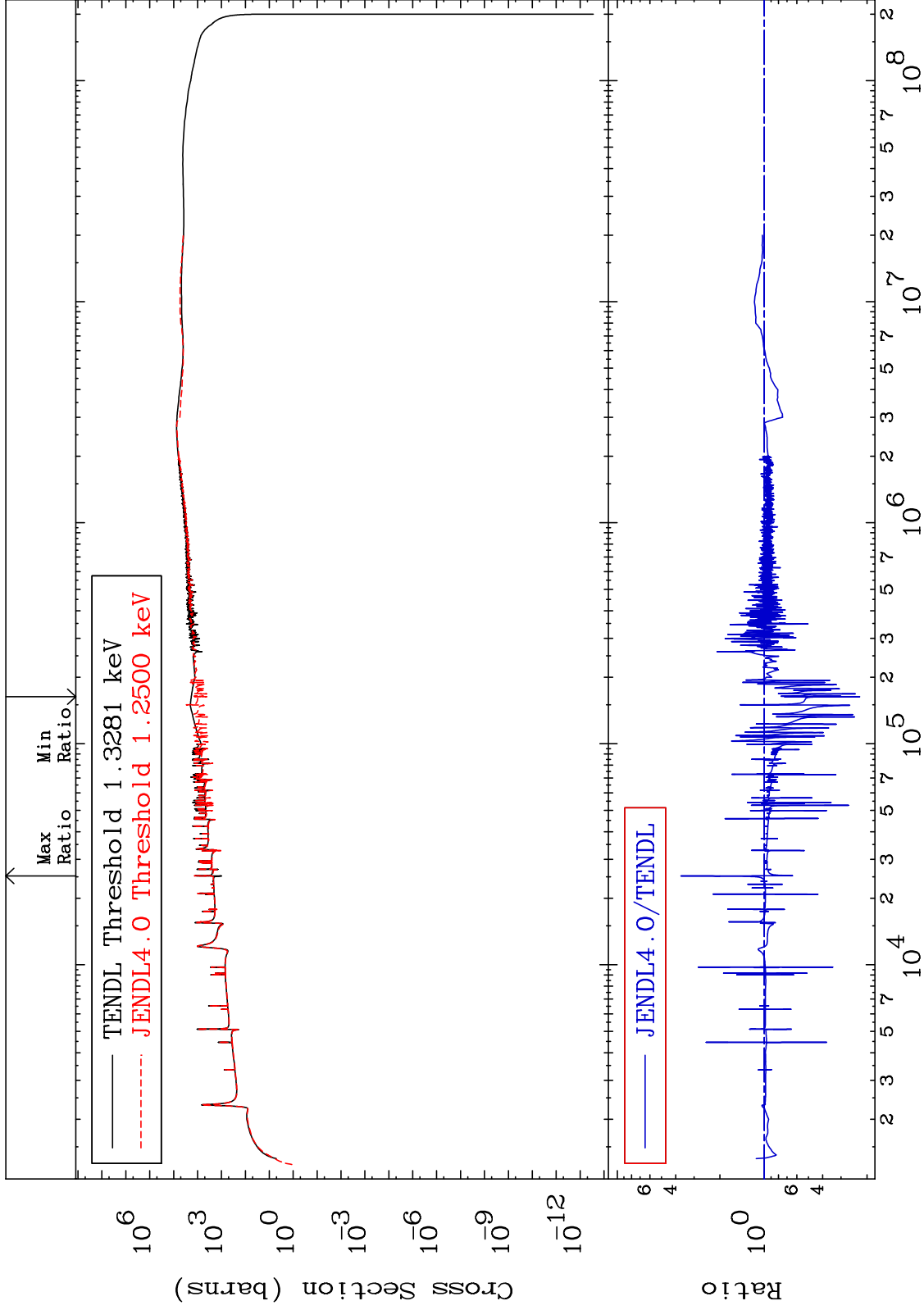
83-Bi-209
-77.57 To 9999. %



MAT 8325

Dpa elastic (mt2)
Cross Section

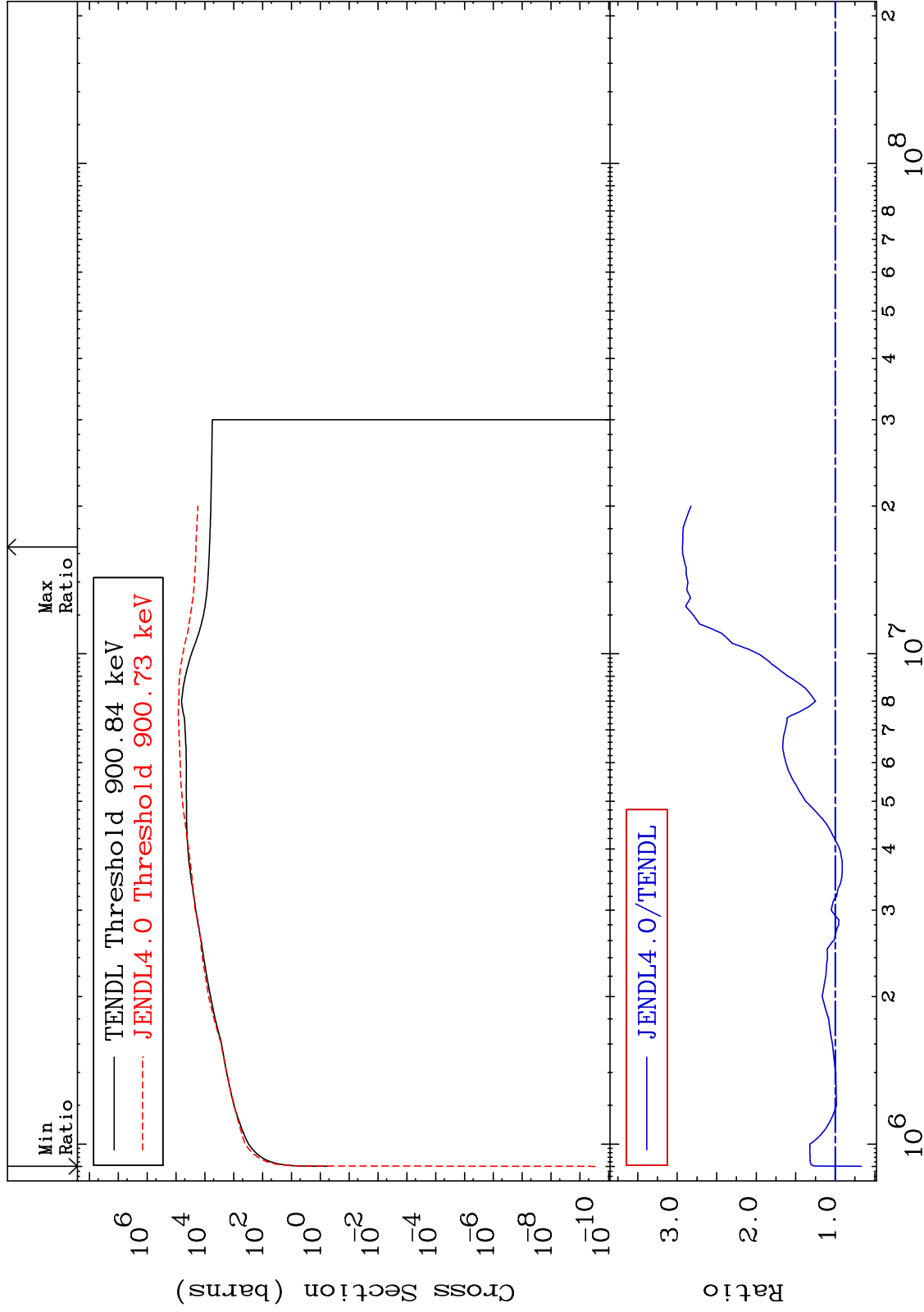
83-Bi-209
-77.57 To 269.4 %



MAT 8325

Dpa inelastic (mt51-91)
Cross Section

83-Bi-209
-33.03 To 193.4 %



38

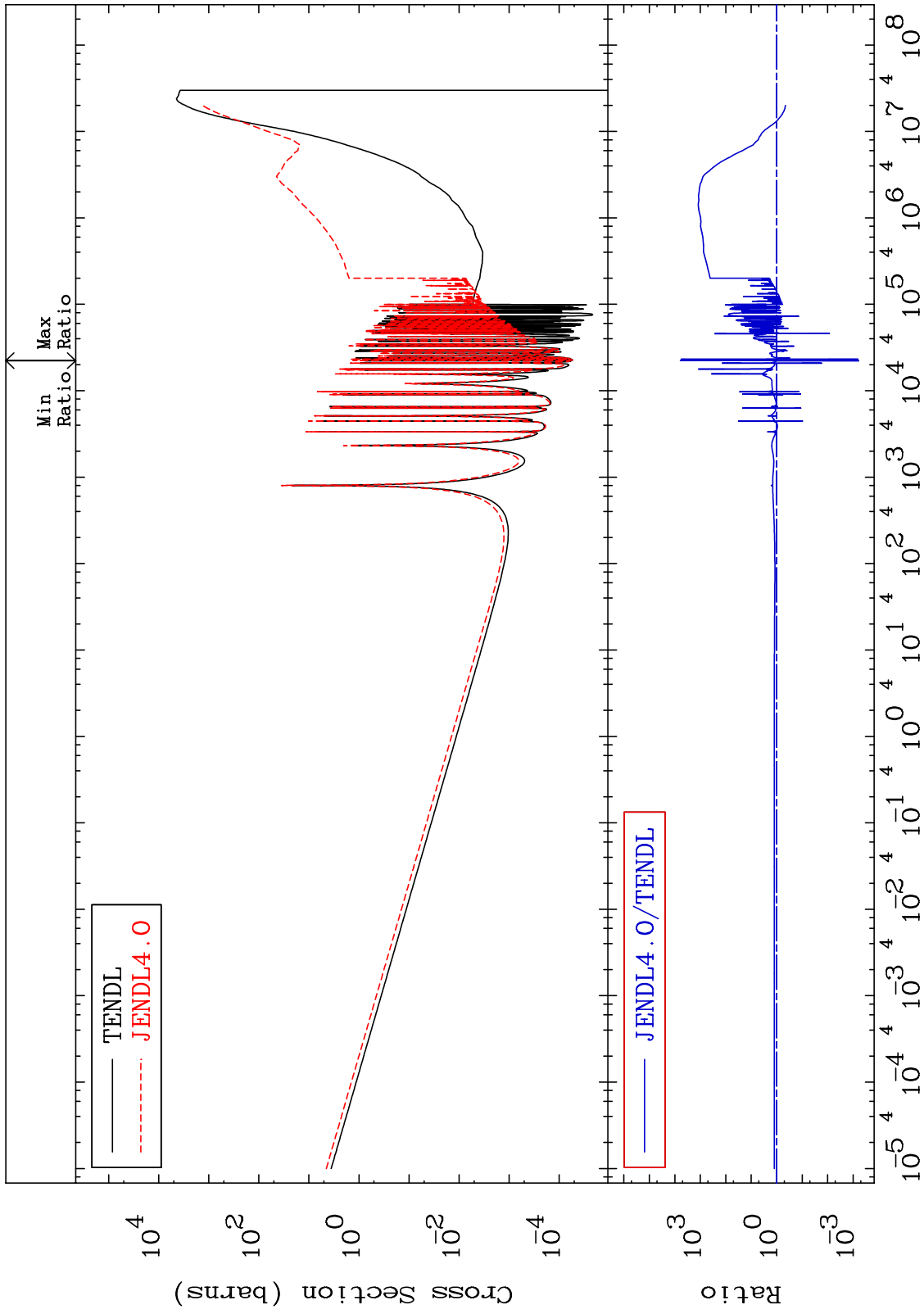
Incident Energy (eV)

83-Bi-209

MAT 8325

Dpa disappearance (mt102 -120)
Cross Section

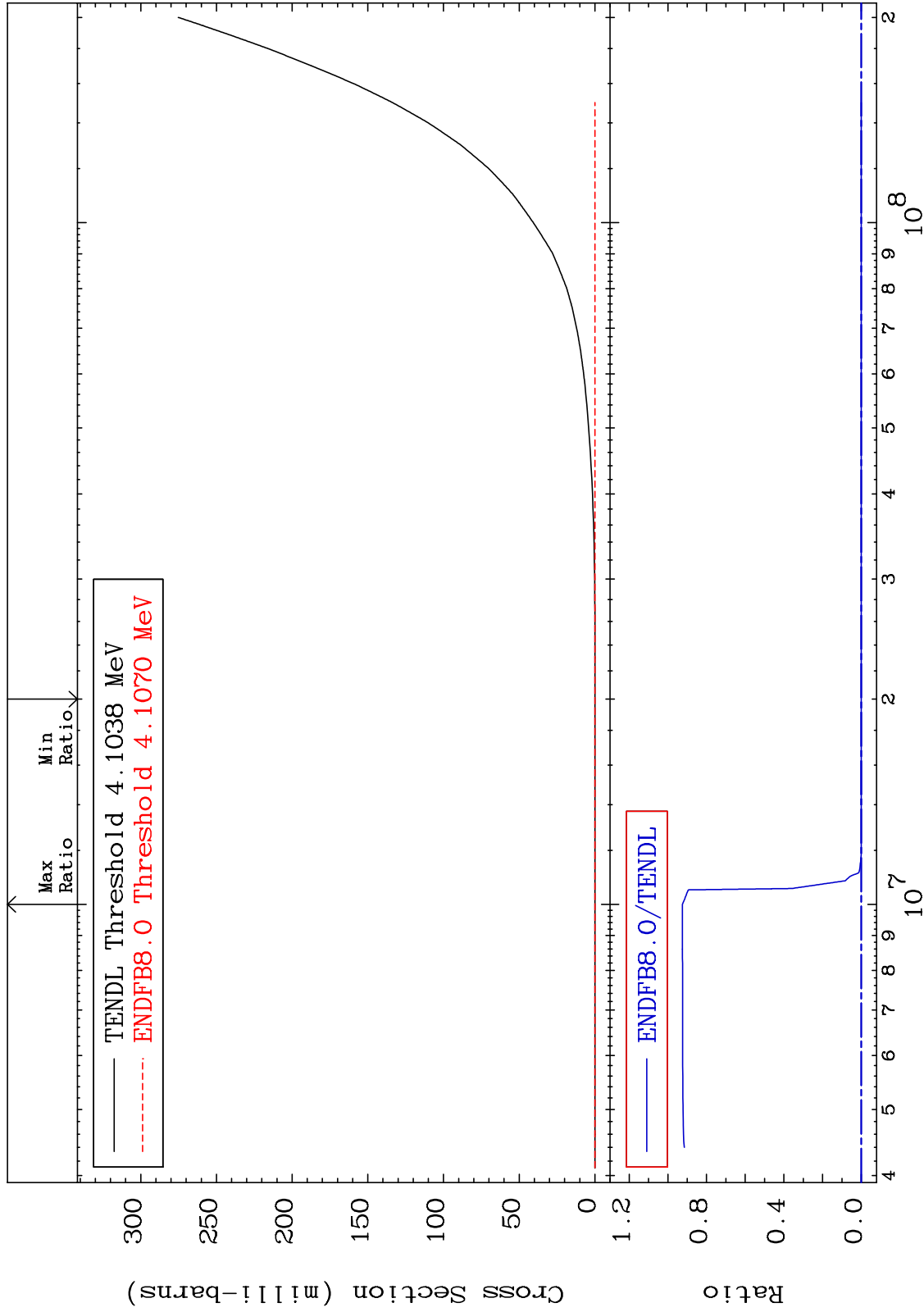
83-Bi-209
-99.94 To 9999. %



MAT 8325

He-3 Production
Cross Section

83-Bi-209
-100.0 To 9999. %



40

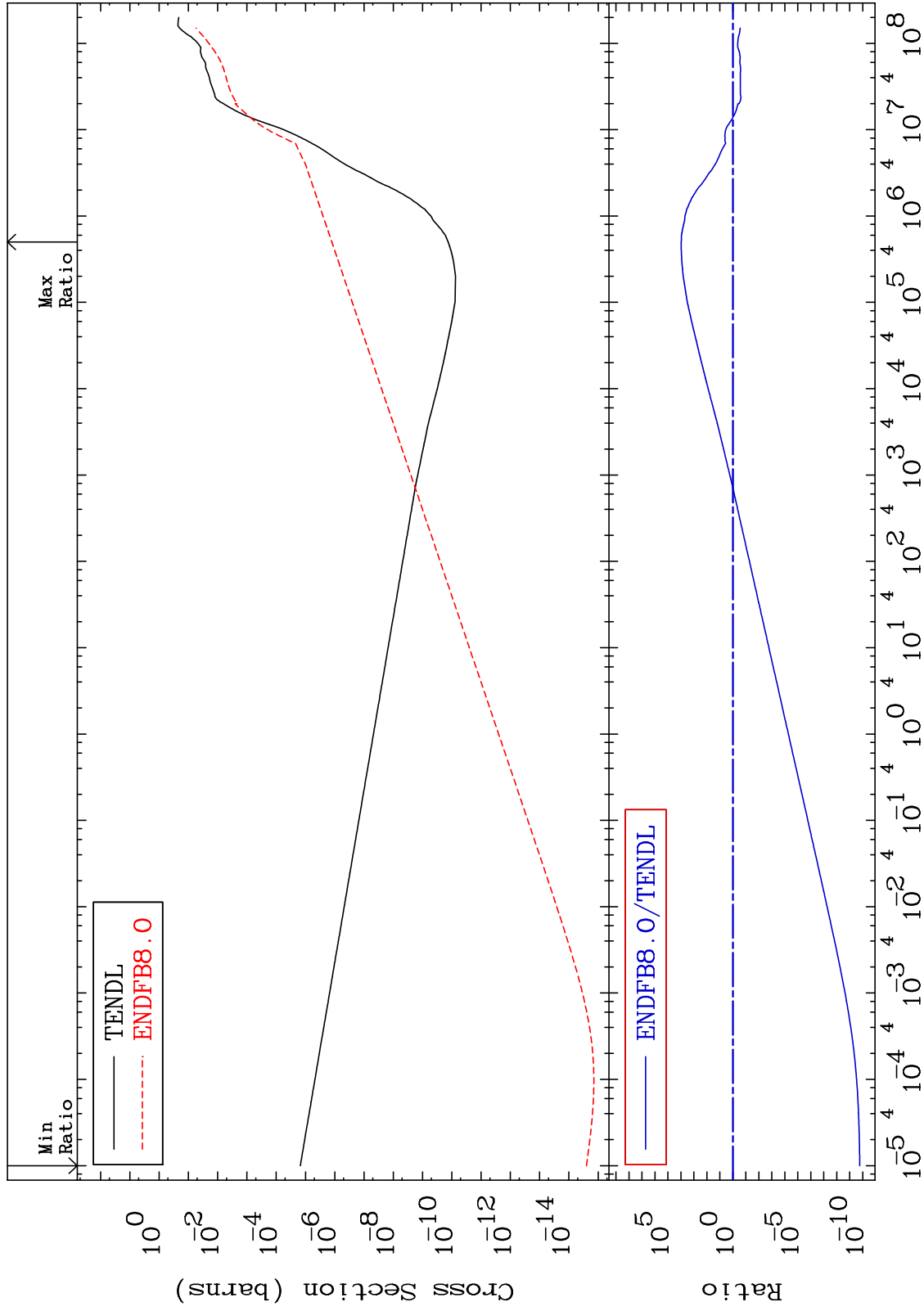
Incident Energy (eV)

83-Bi-209

MAT 8325

He-4 Production
Cross Section

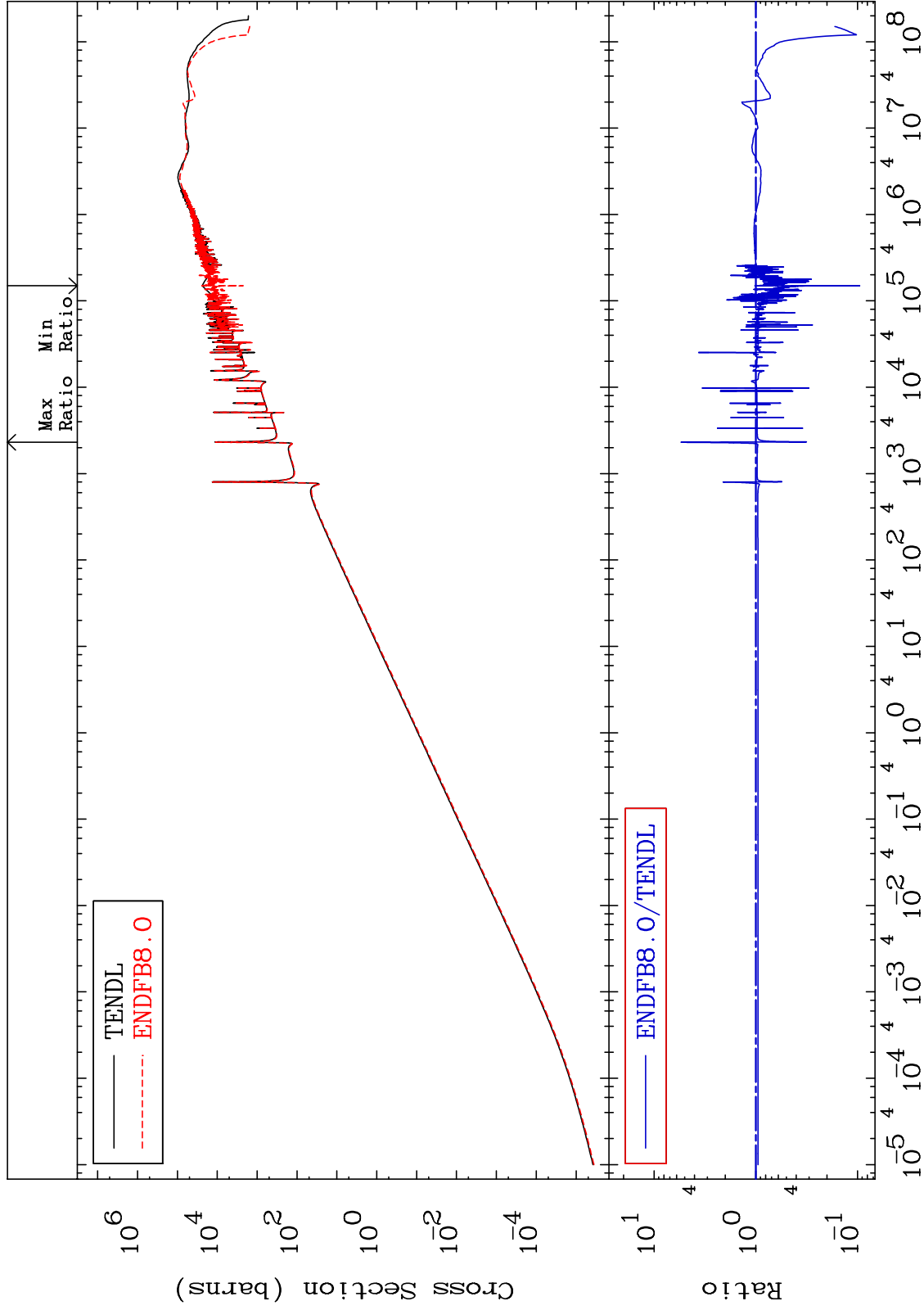
83-Bi-209
-100.0 To 9999. %



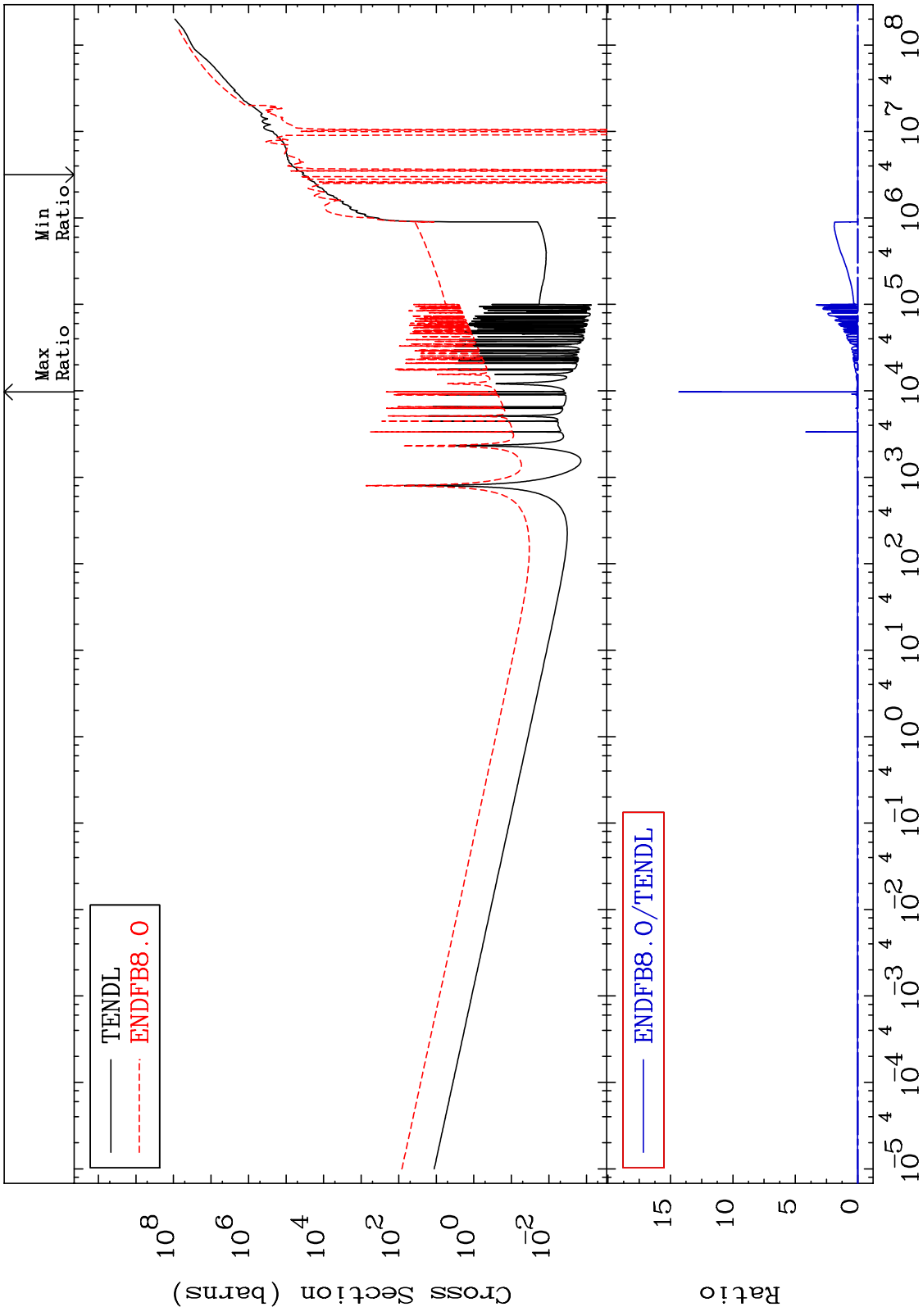
MAT 8325

Kerma elastic
Cross Section

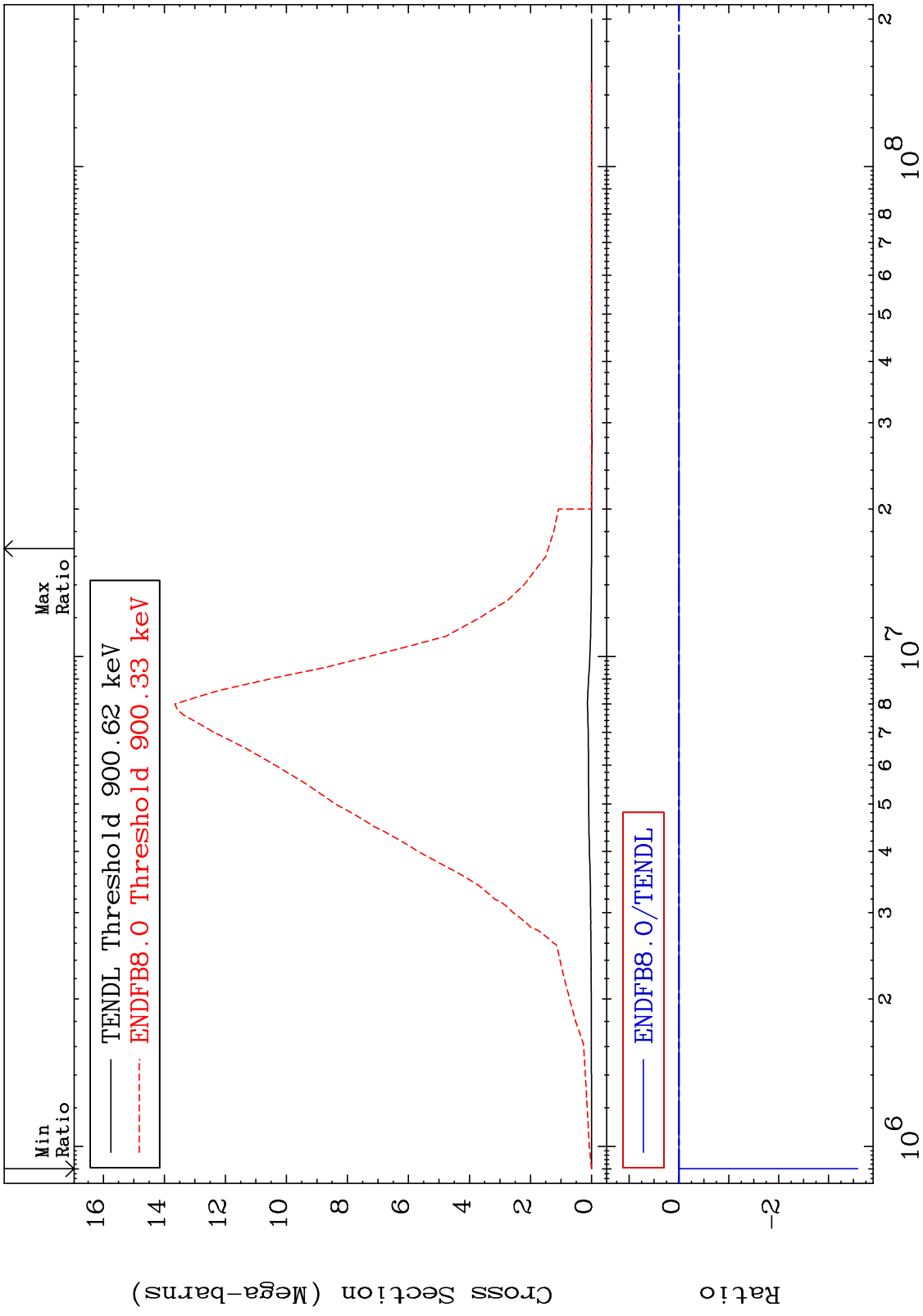
83-Bi-209
-90.49 To 440.8 %



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

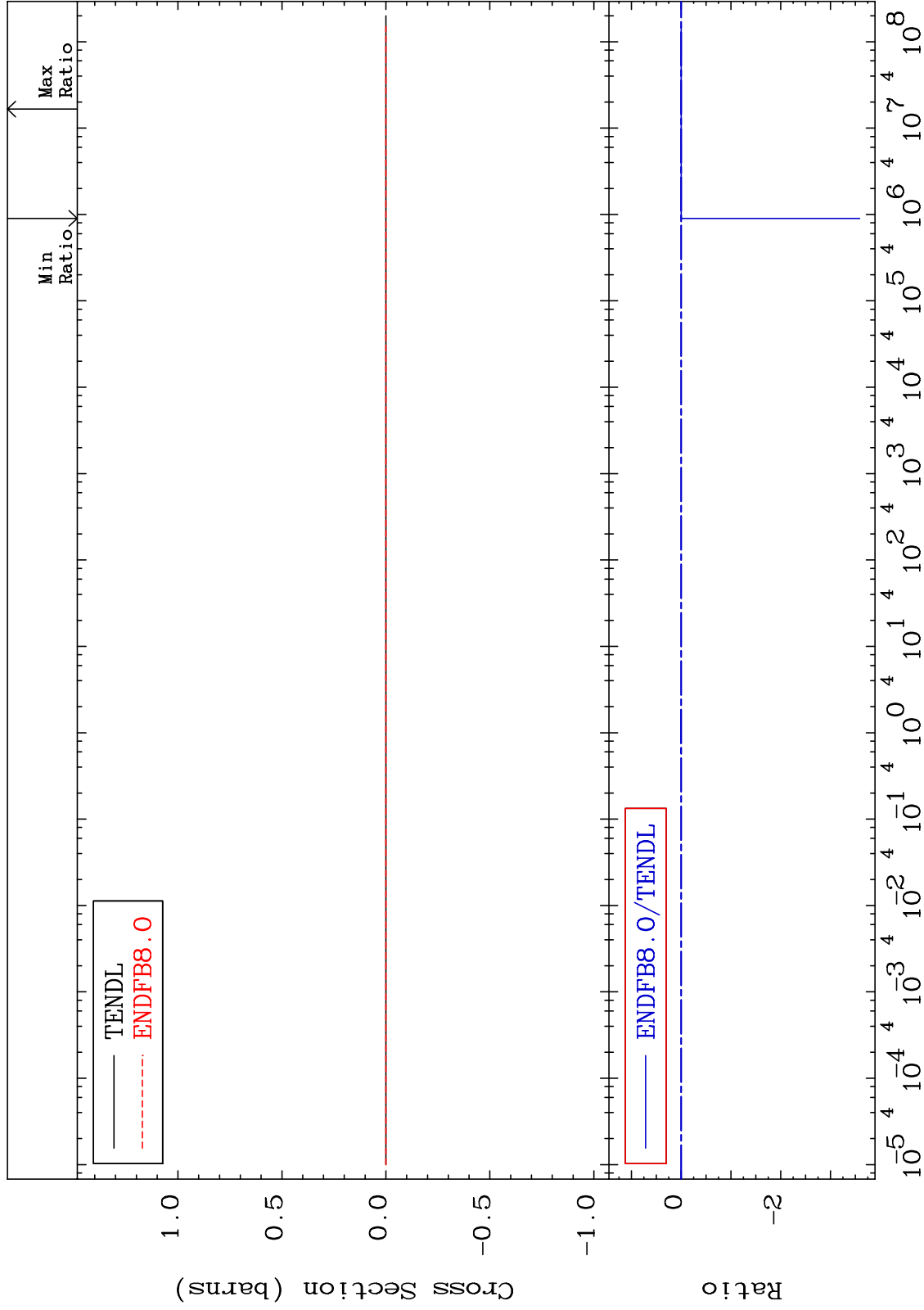


45 83-Bi-209

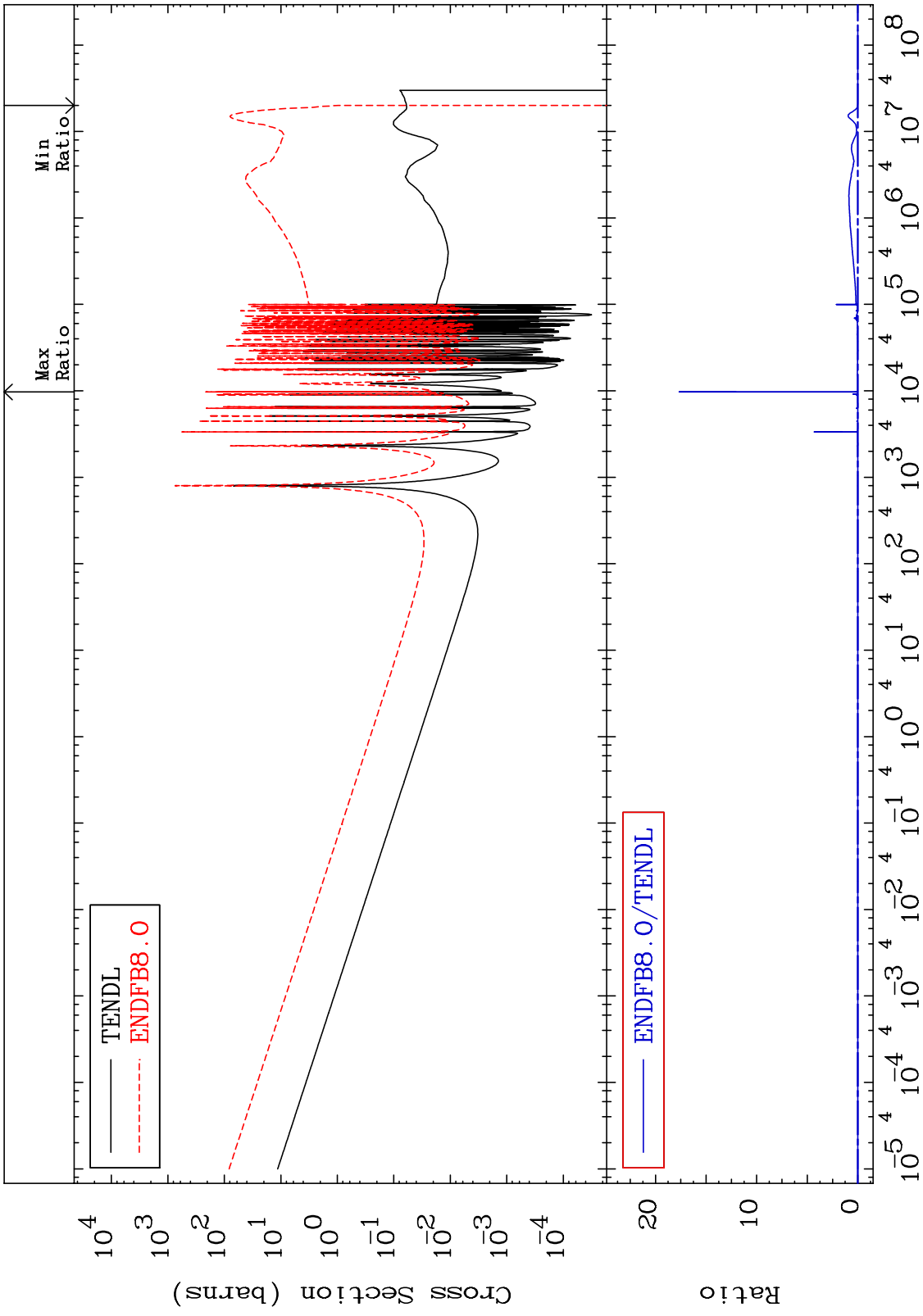
MAT 8325

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

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



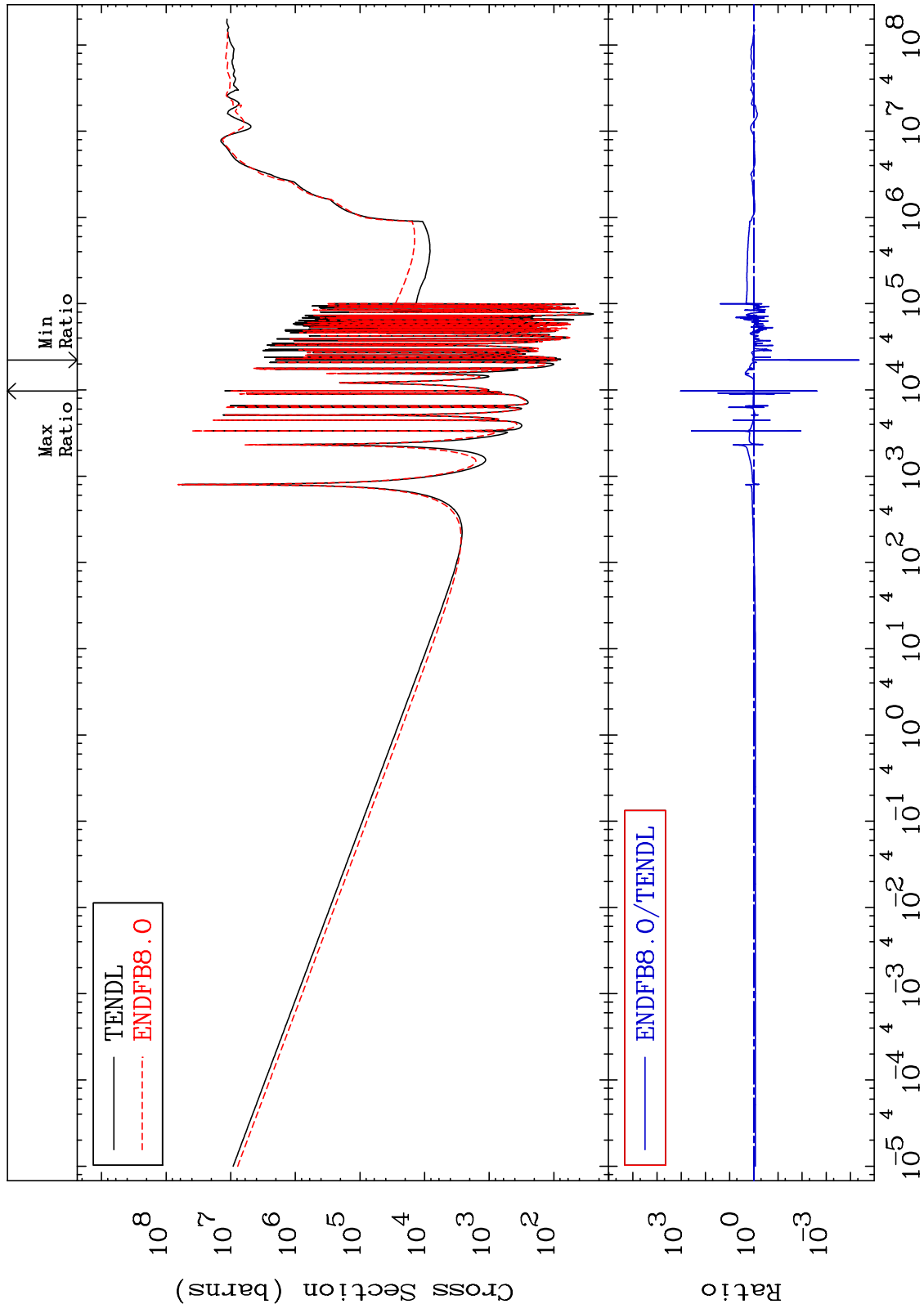
MAT 8325 Kerma capture (mt102) 83-Bi-209
 Cross Section -100.0 To 9999. %



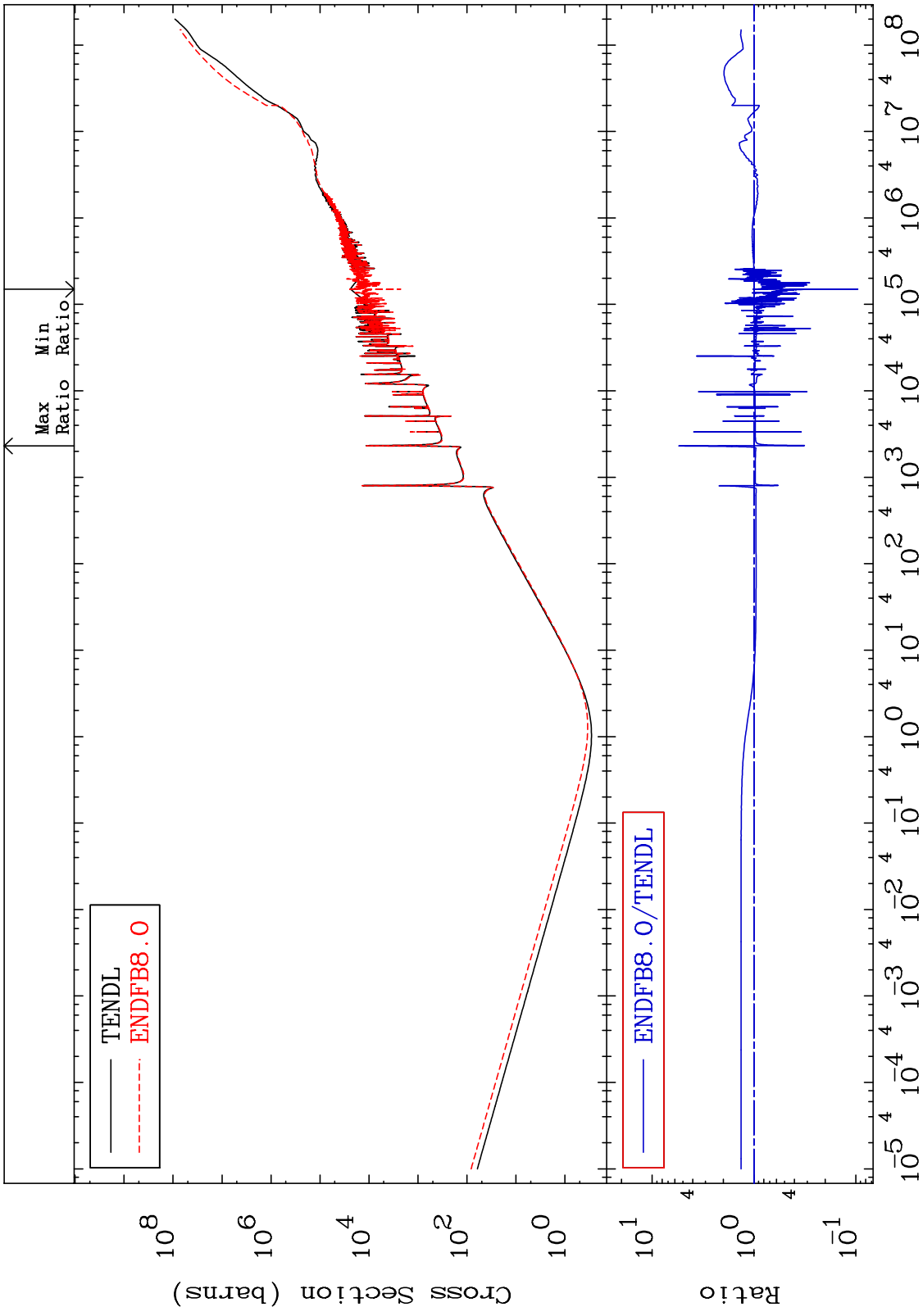
MAT 8325

Total photon (eV-barns)
Cross Section

83-Bi-209
-100.0 To 9999. %



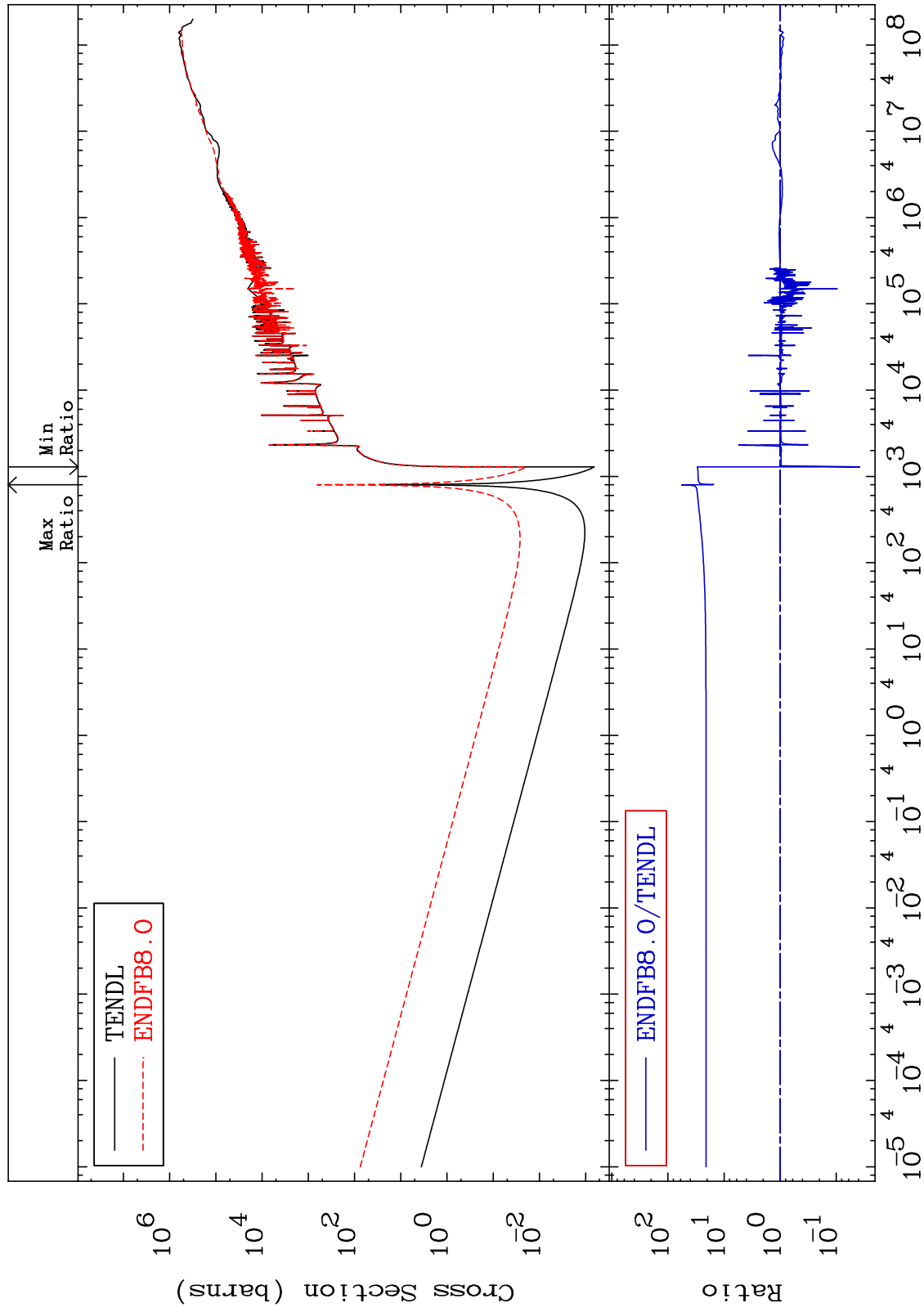
MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
Cross Section -90.46 To 444.6 %



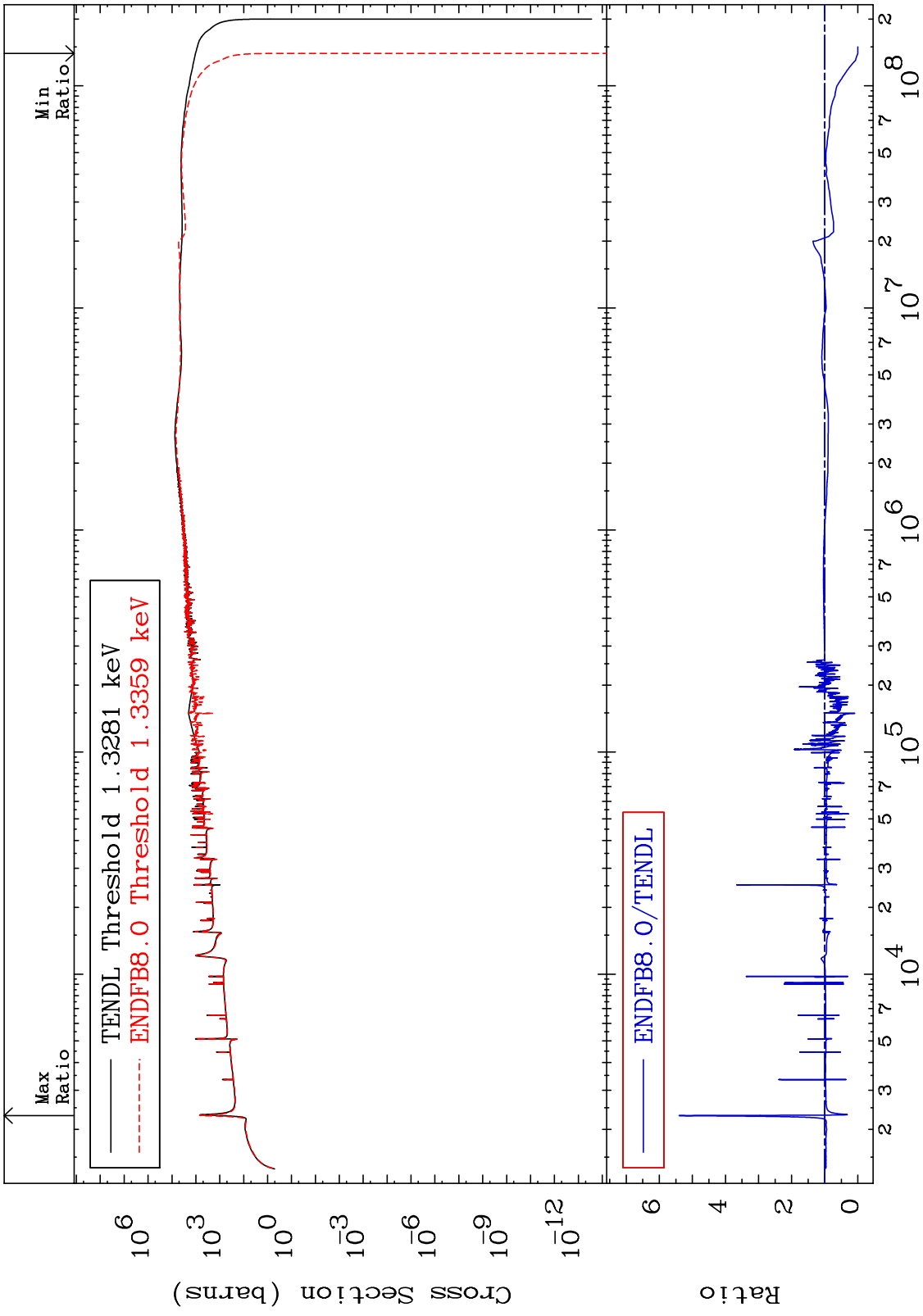
MAT 8325

Dpa total (eV-barns)
Cross Section

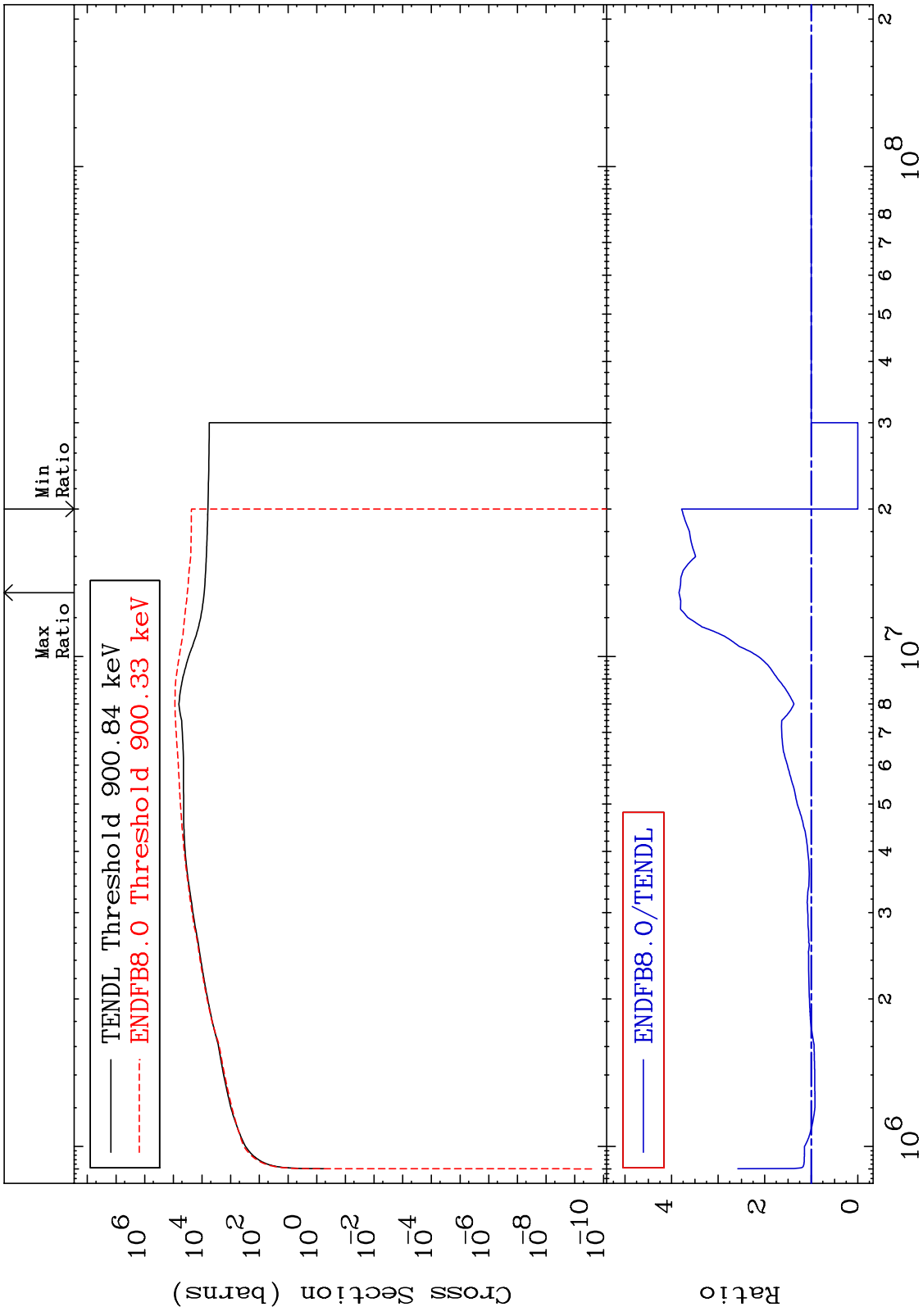
83-Bi-209
-96.21 To 5648. %



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



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



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

