

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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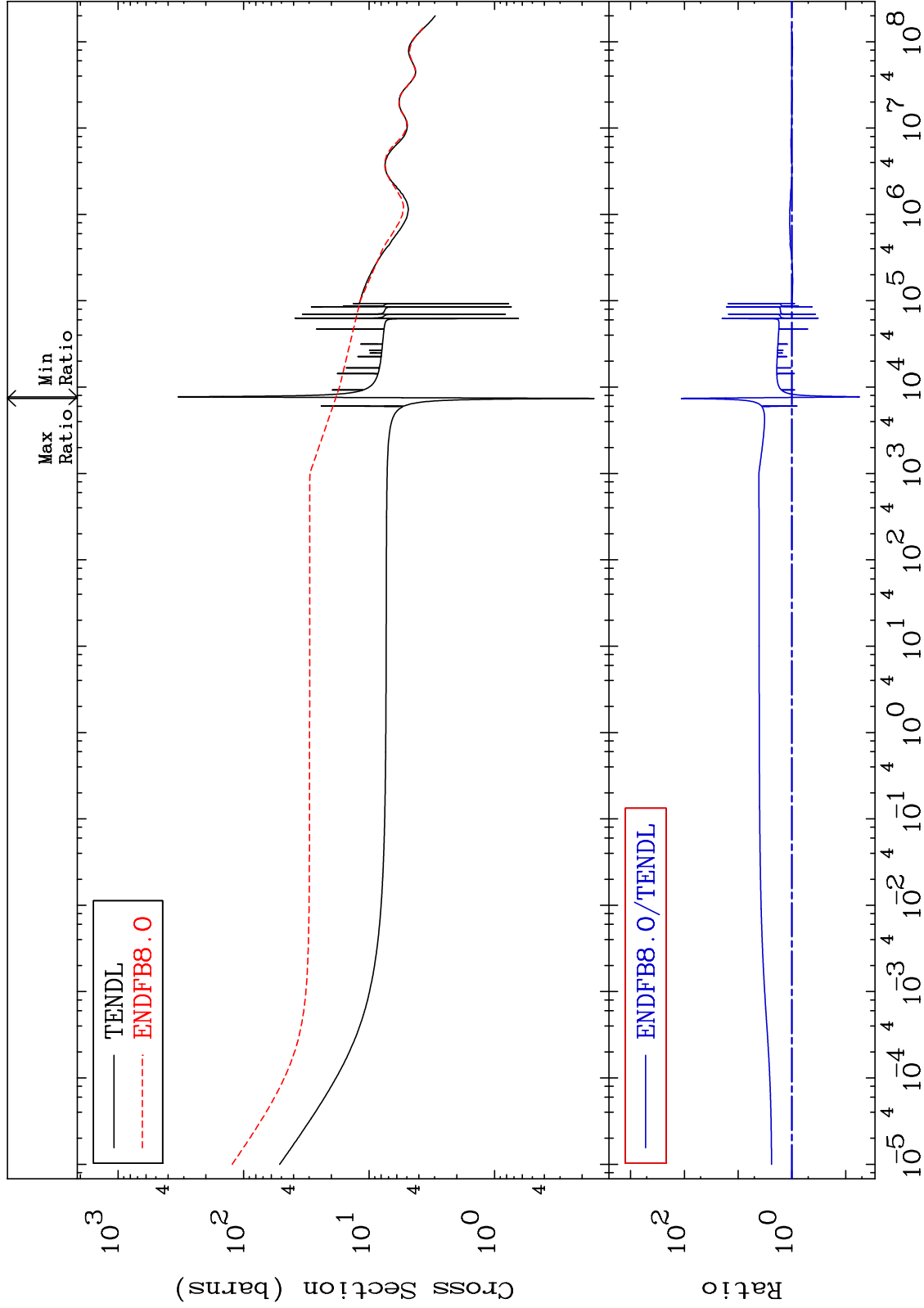
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8049

Total
Cross Section

80-Hg-204
-94.52 To 9999. %



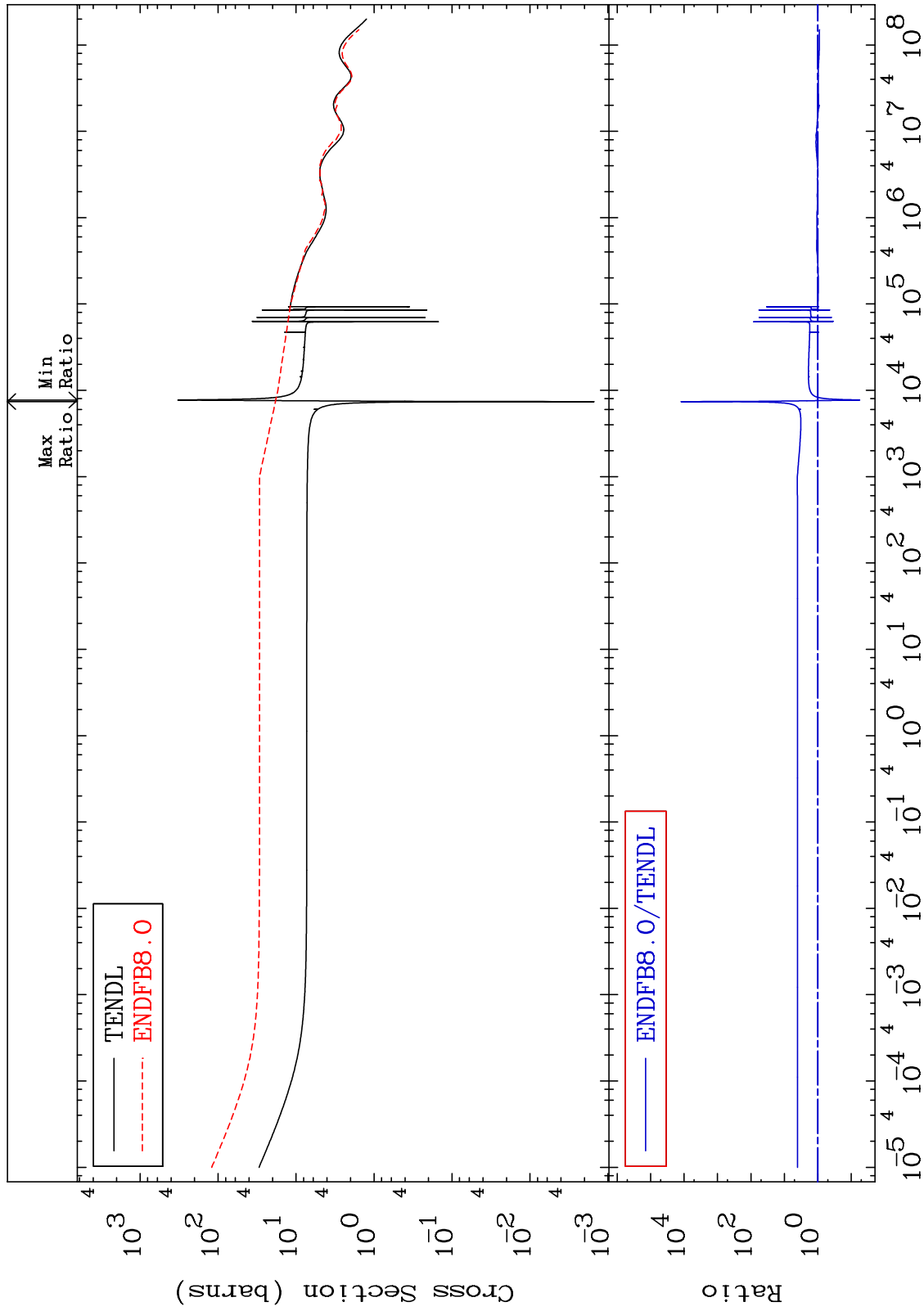
Incident Energy (eV)

80-Hg-204

MAT 8049

Elastic
Cross Section

80-Hg-204
-94.43 To 9999. %

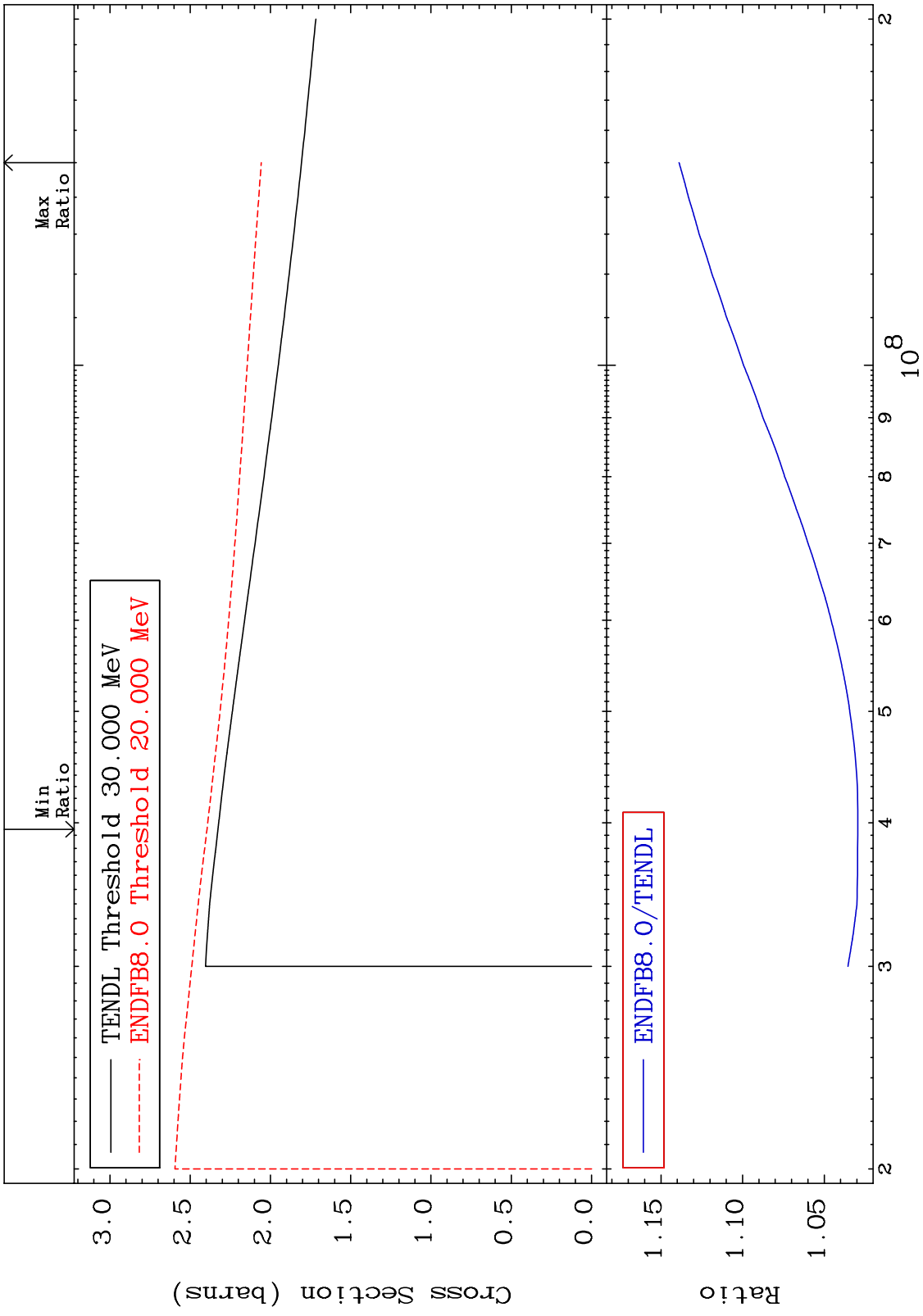


2

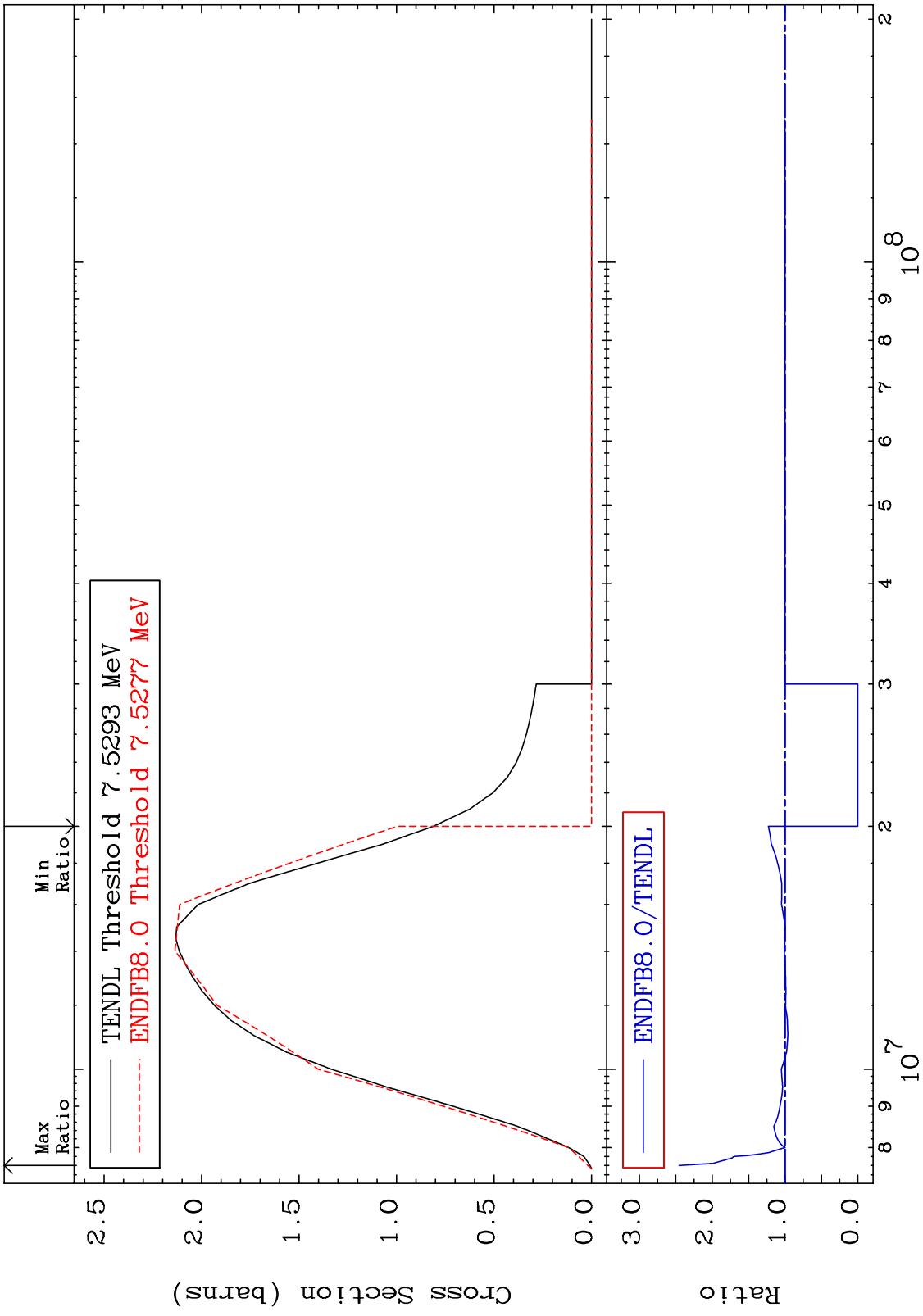
Incident Energy (eV)

80-Hg-204

MAT 8049 (n, remainder) Cross Section 80-Hg-204 To 13.89 %

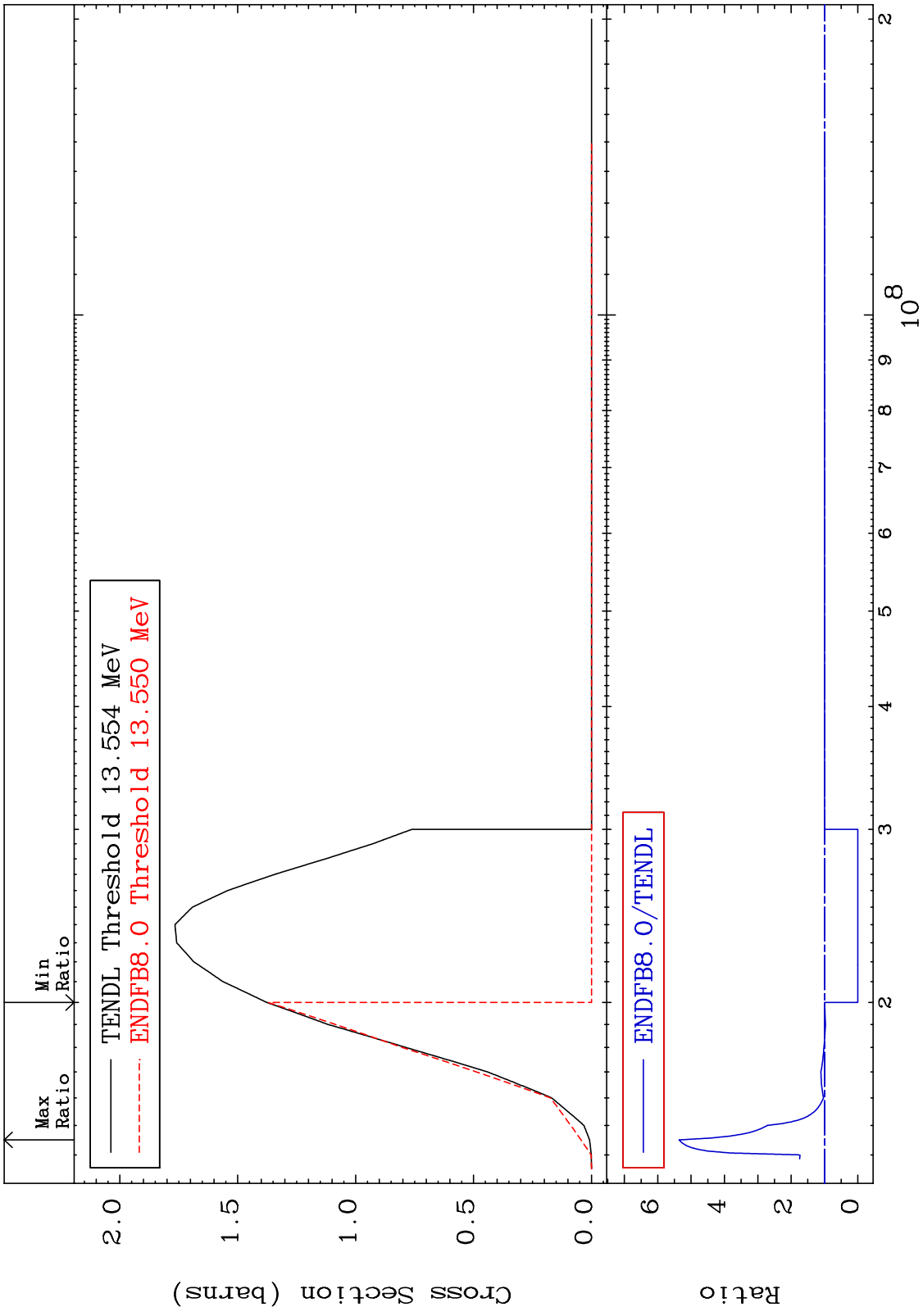


MAT 8049 (n,2n) Cross Section 80-Hg-204 -100.0 To 145.5 %



5 80-Hg-204

MAT 8049 (n,3n) 80-Hg-204
 Cross Section -100.0 To 436.1 %



MAT 8049

(n, n') α

80-Hg-204

-100.0 To 9999. %

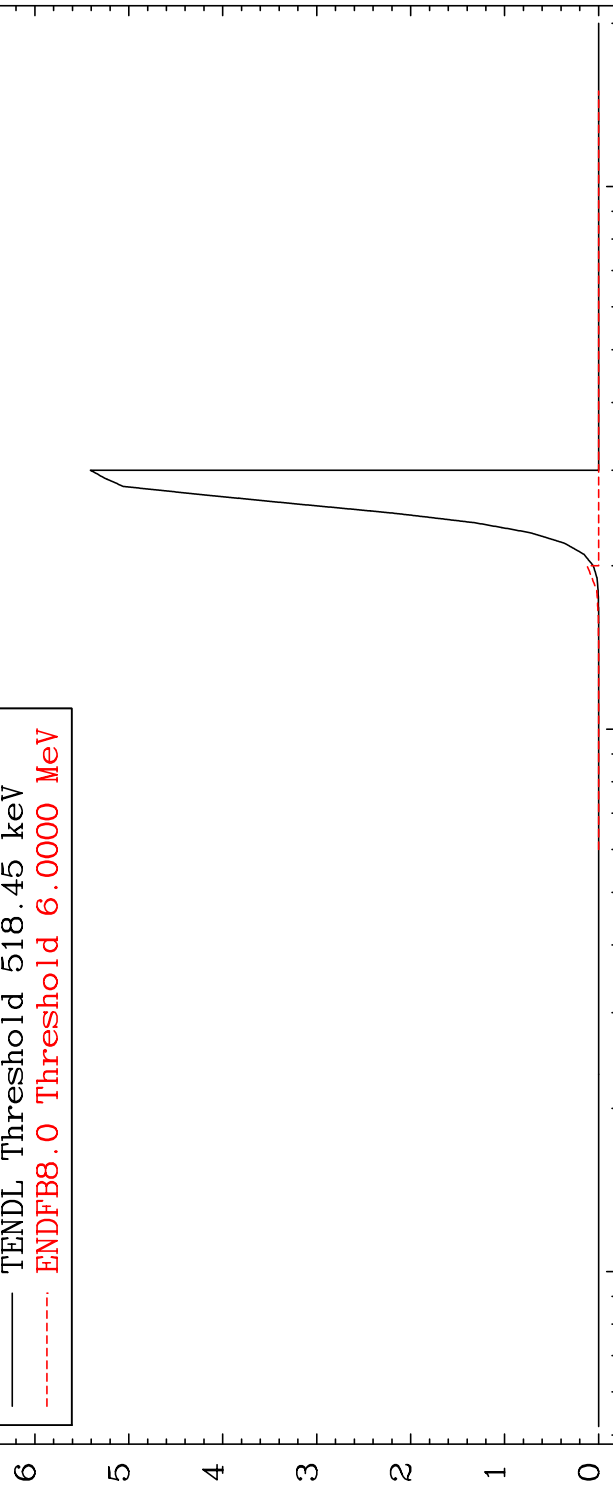
Cross Section

Max Ratio

Min Ratio

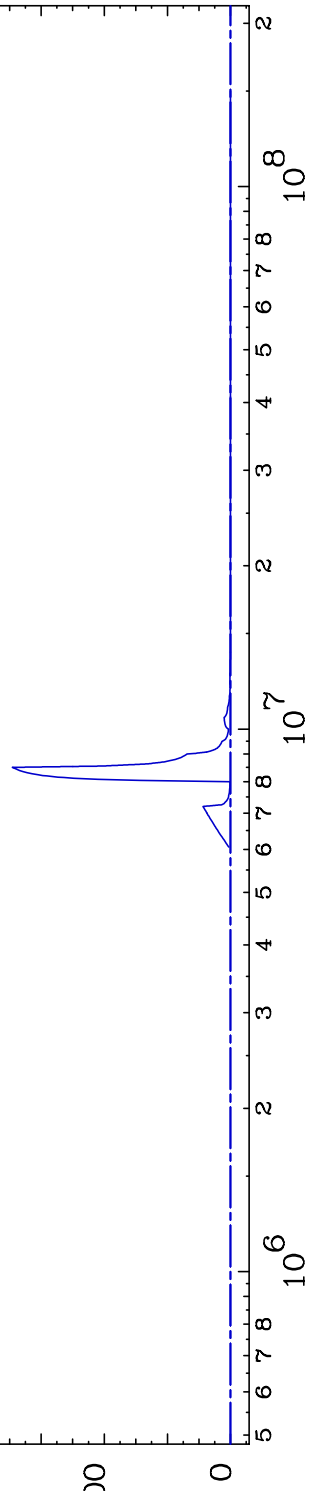
TENDL Threshold 518.45 keV
ENDFB8.0 Threshold 6.0000 MeV

Cross Section (milli-barns)



ENDFB8.0/TENDL

Ratio

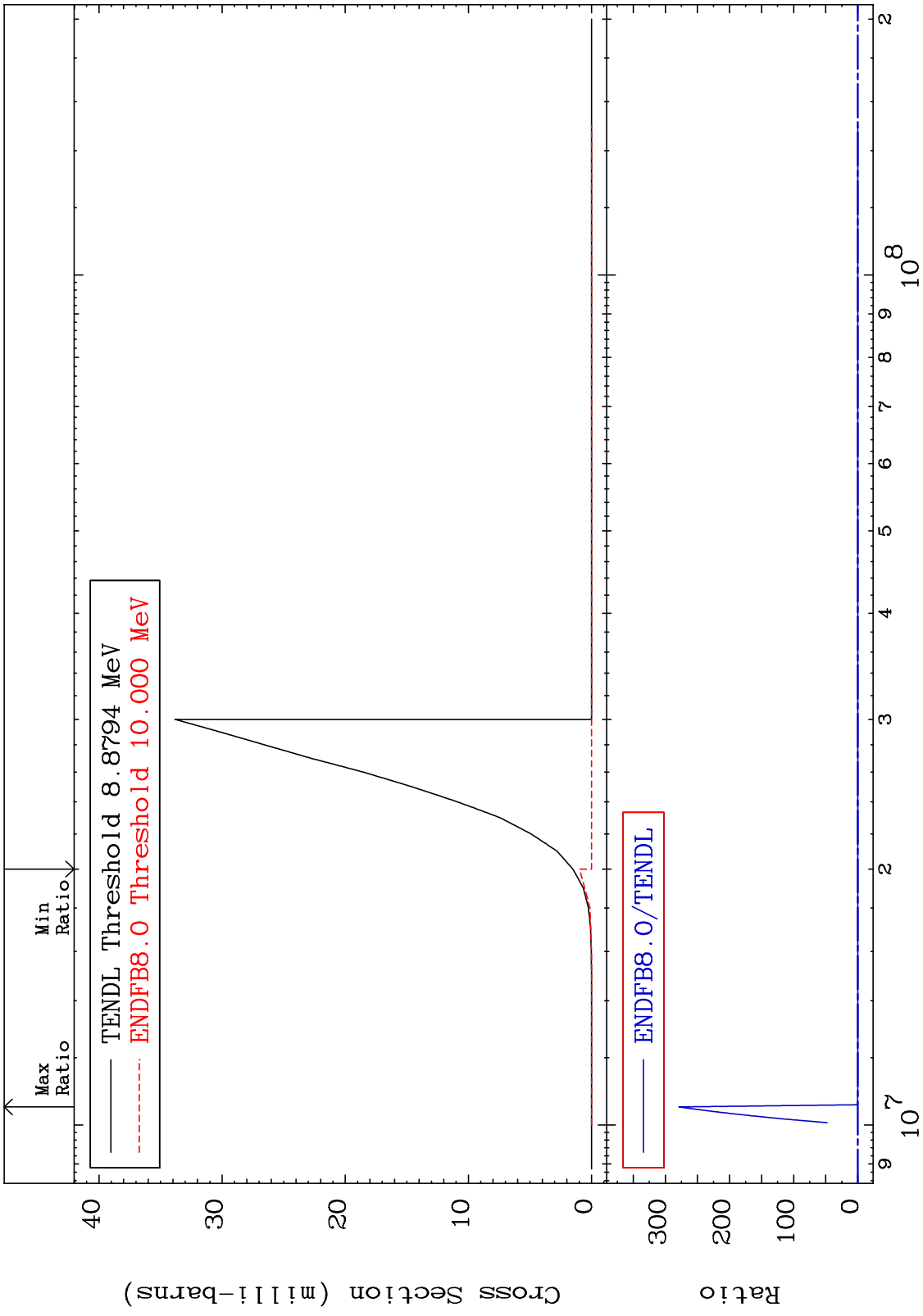


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Incident Energy (eV)

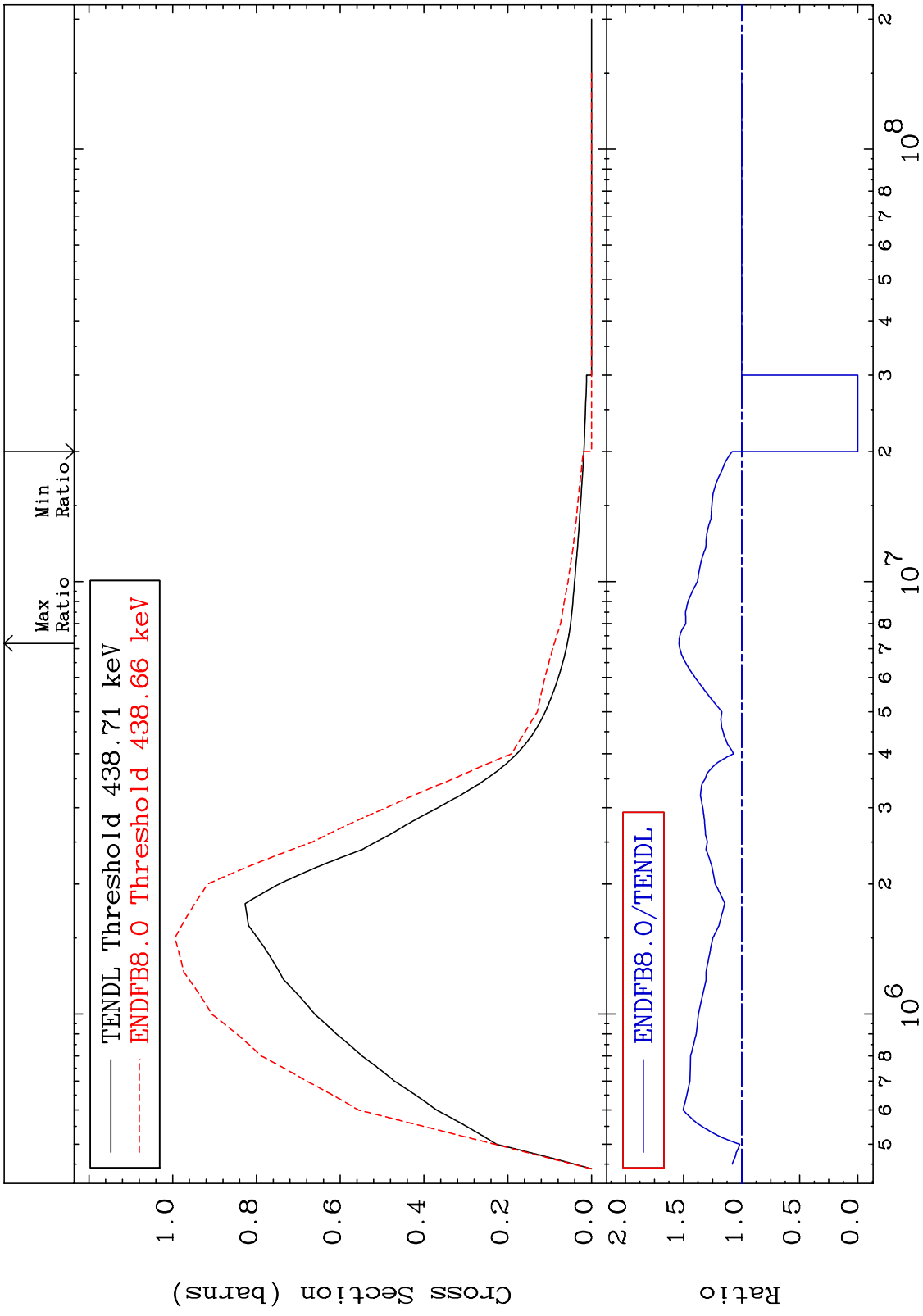
80-Hg-204

MAT 8049 (n,n') p 80-Hg-204
Cross Section -100.0 To 9999. %

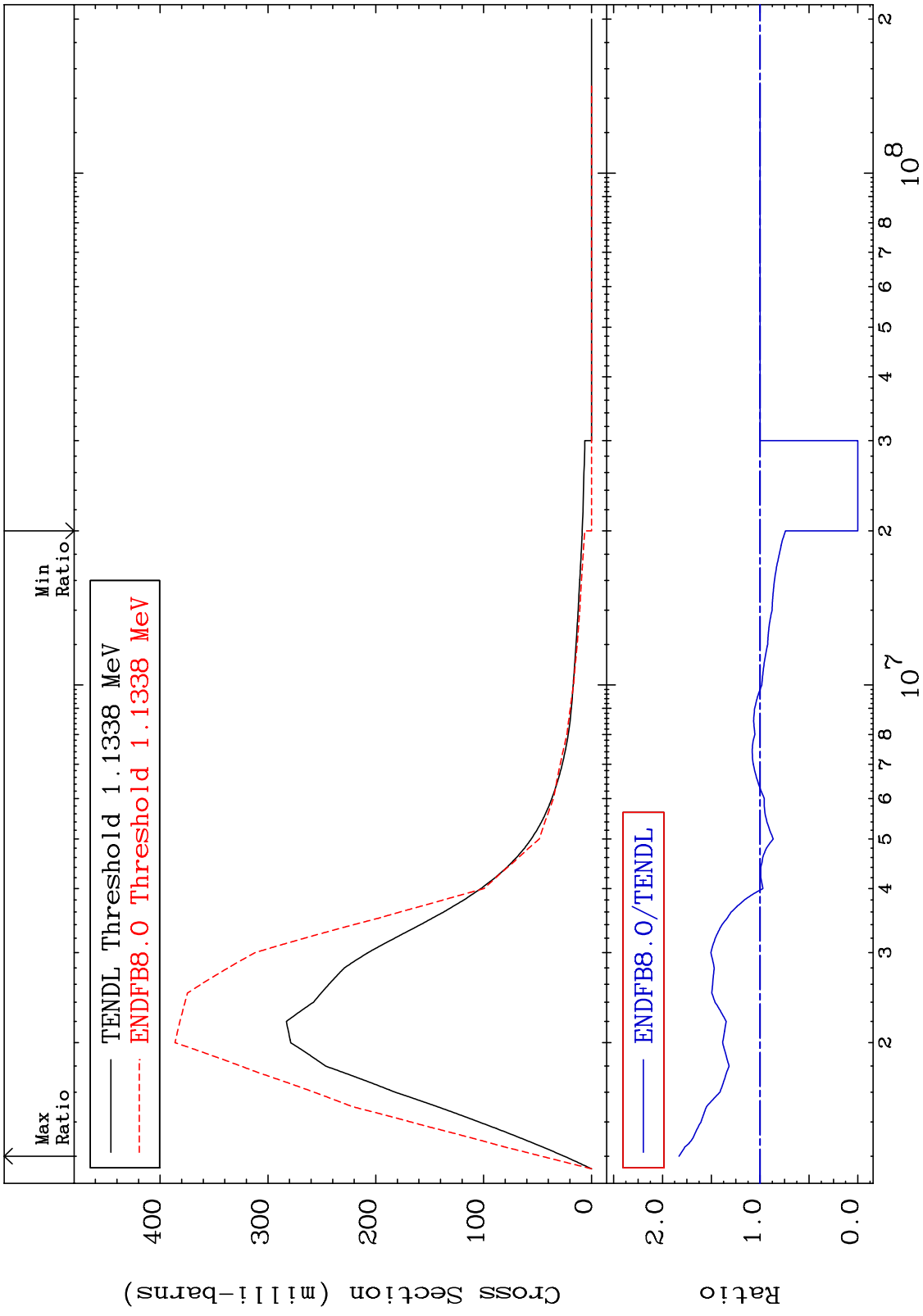


80-Hg-204 Incident Energy (eV)

MAT 8049 MT= 51 (n,n') Level Cross Section 80-Hg-204
 -100.0 To 53.86 %

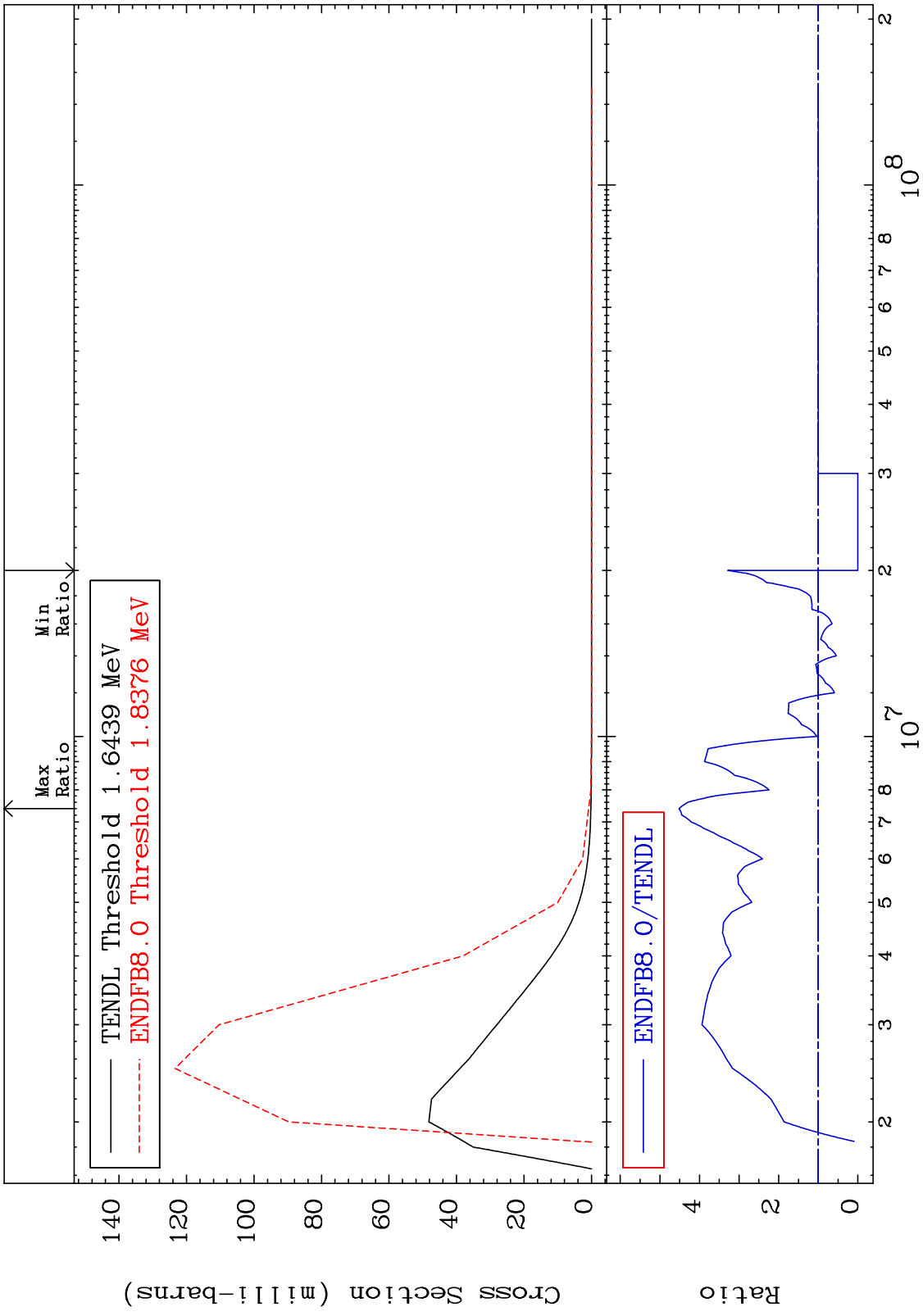


MAT 8049 MT= 52 (n,n') Level Cross Section 80-Hg-204
 -100.0 To 83.05 %

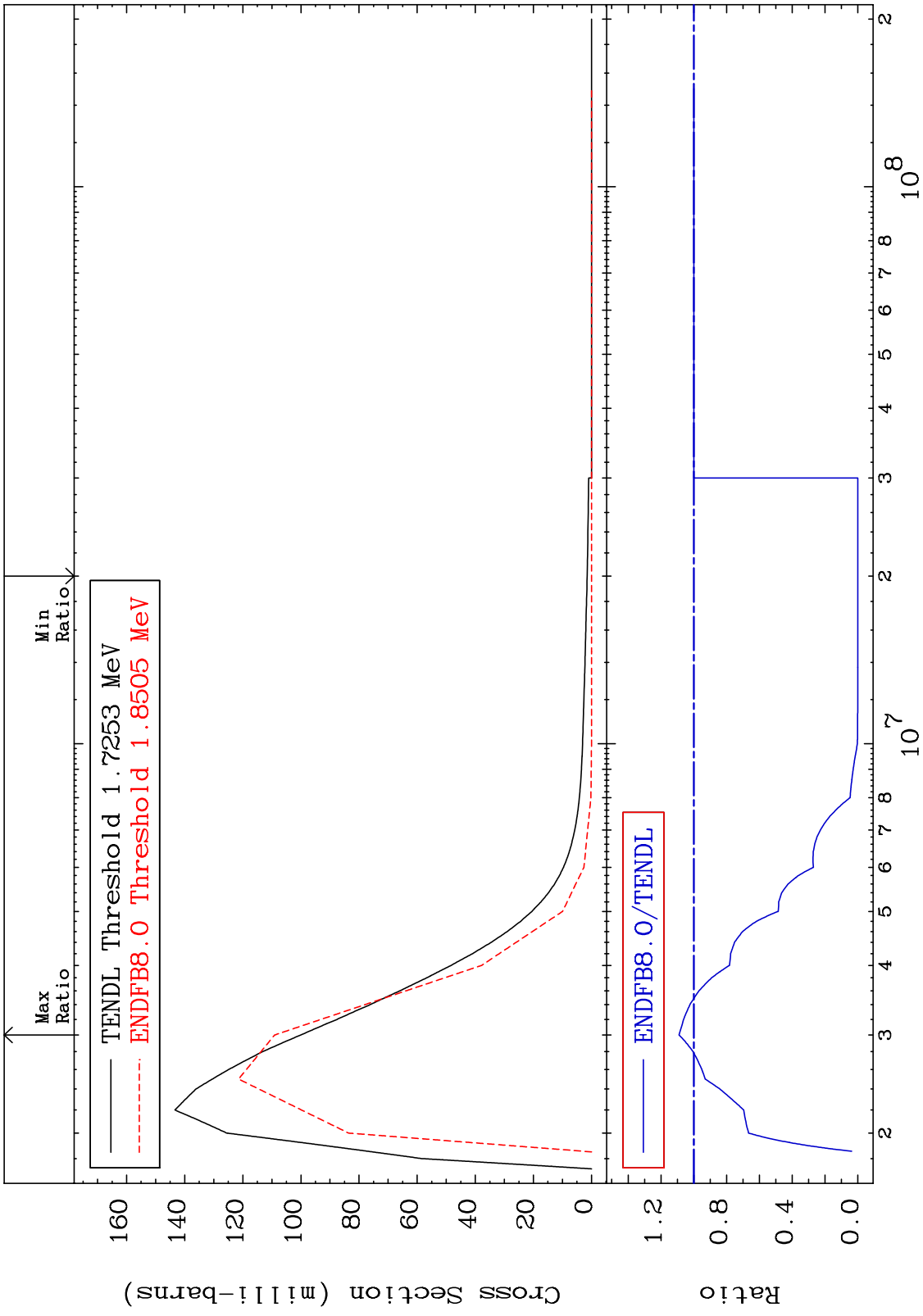


10 Incident Energy (eV) 80-Hg-204

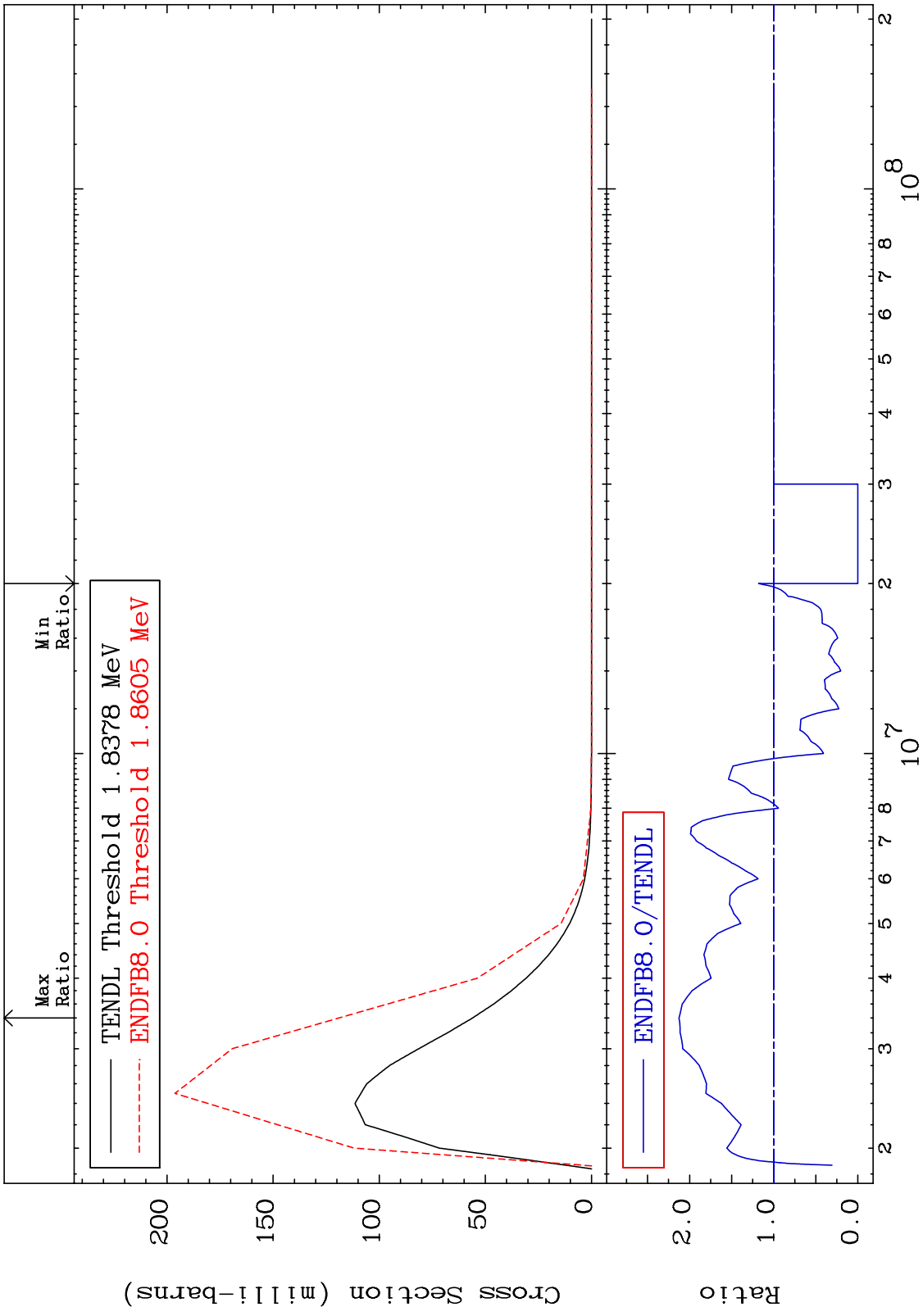
MAT 8049 MT= 53 (n,n') Level Cross Section -100.0 To 351.5 % 80-Hg-204



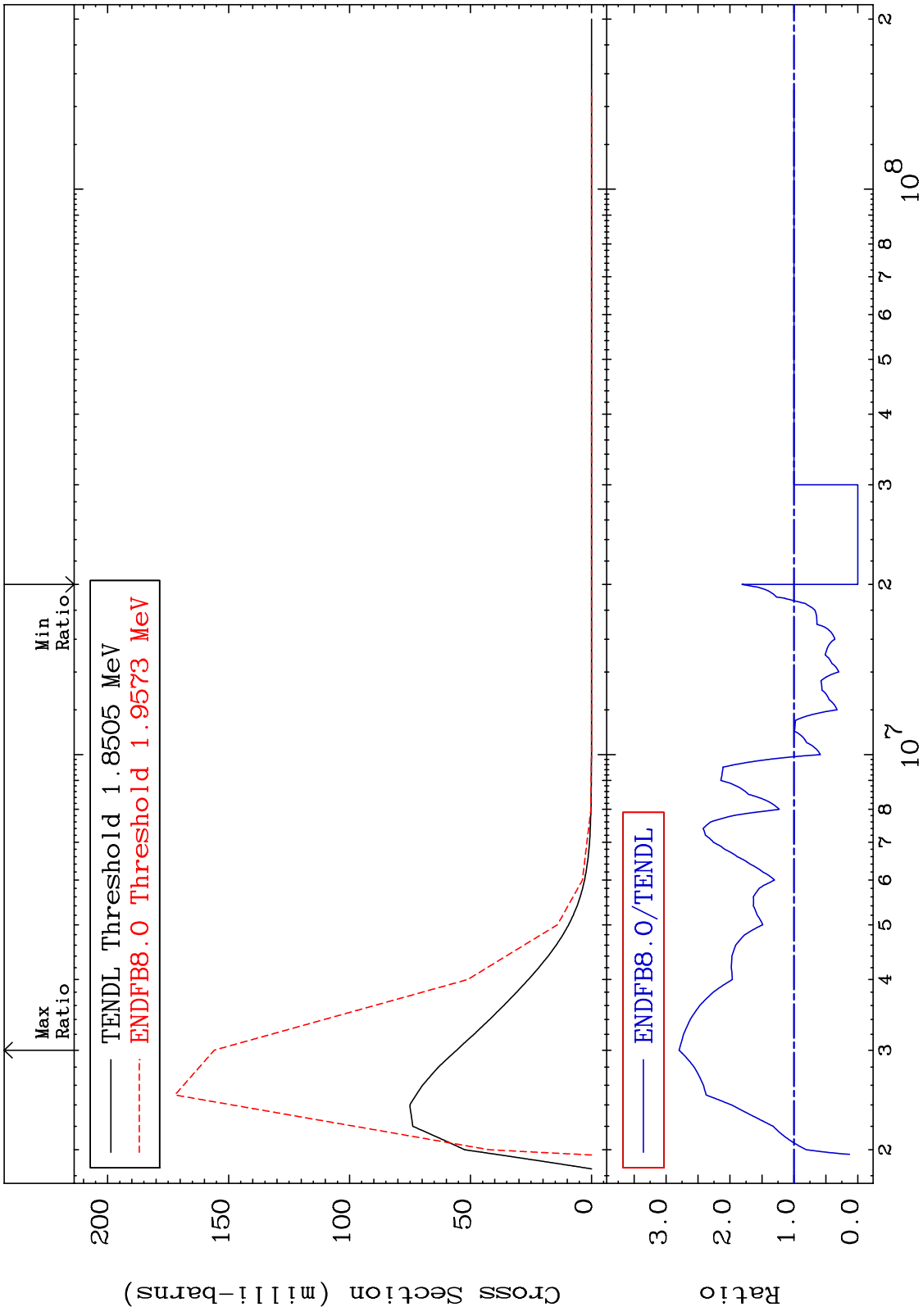
MAT 8049 MT= 54 (n,n') Level Cross Section -100.0 To 8.983 % 80-Hg-204



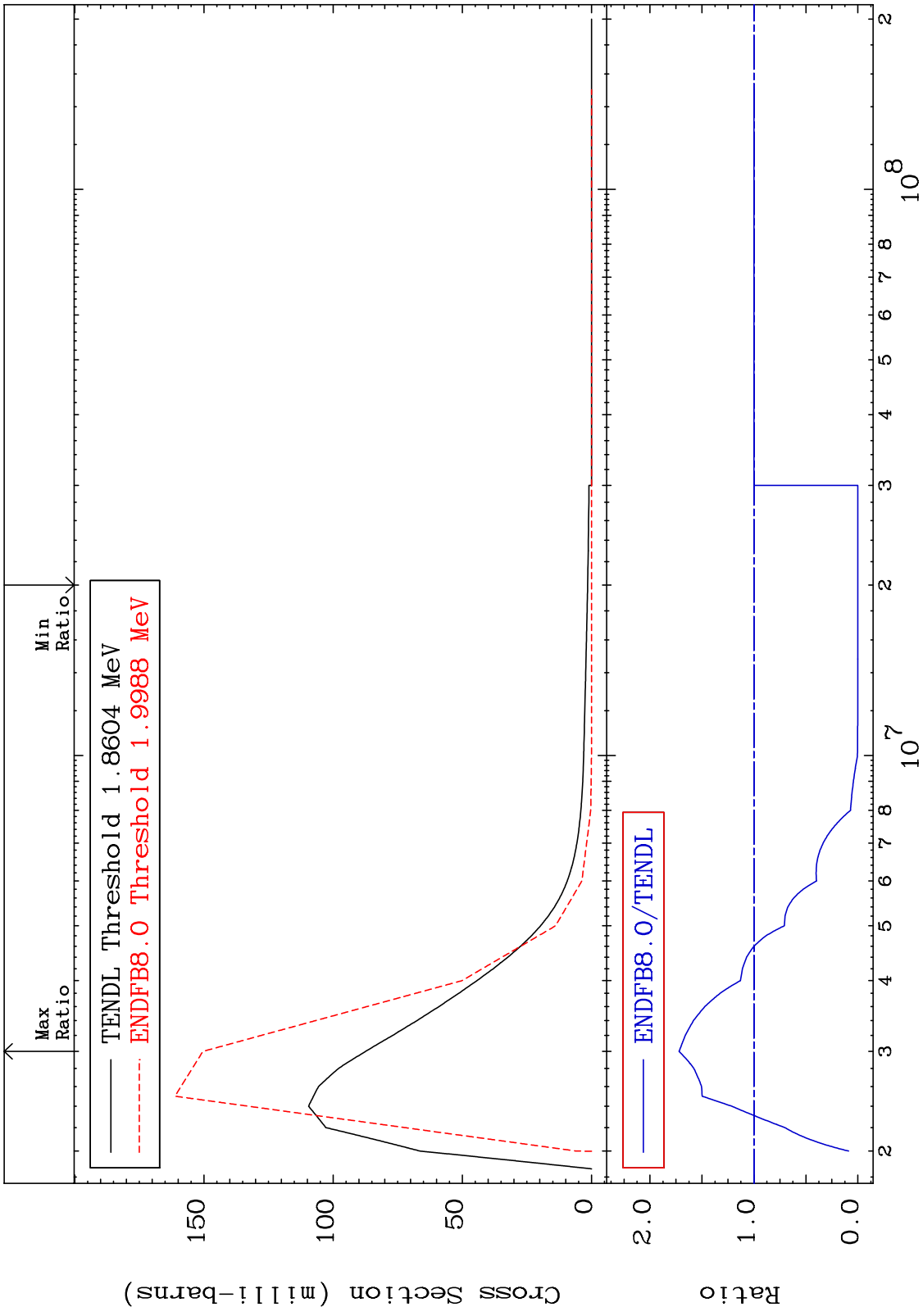
MAT 8049 MT= 55 (n,n') Level Cross Section -100.0 To 112.5 % 80-Hg-204



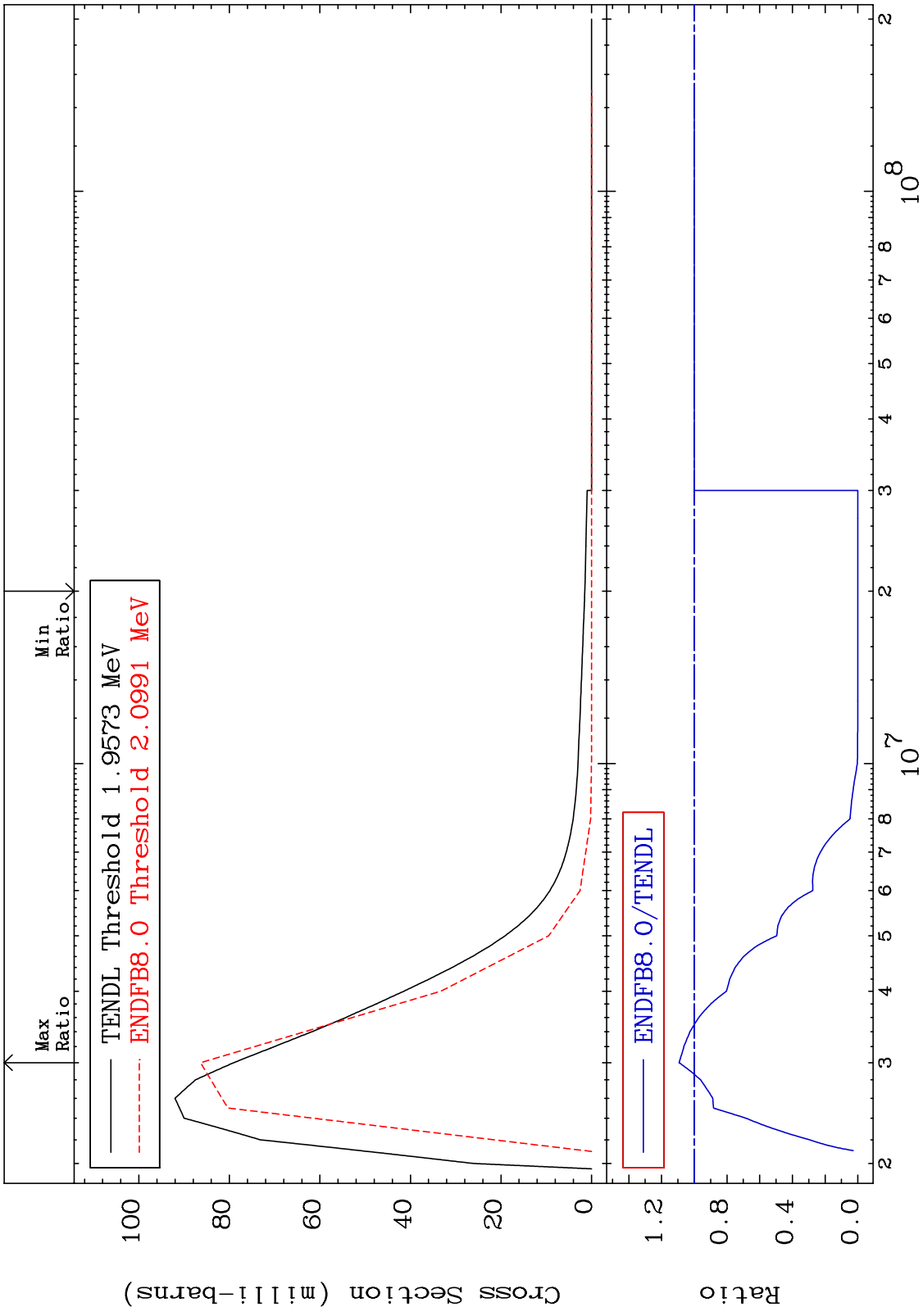
MAT 8049 MT= 56 (n,n') Level Cross Section 80-Hg-204
 -100.0 To 179.8 %



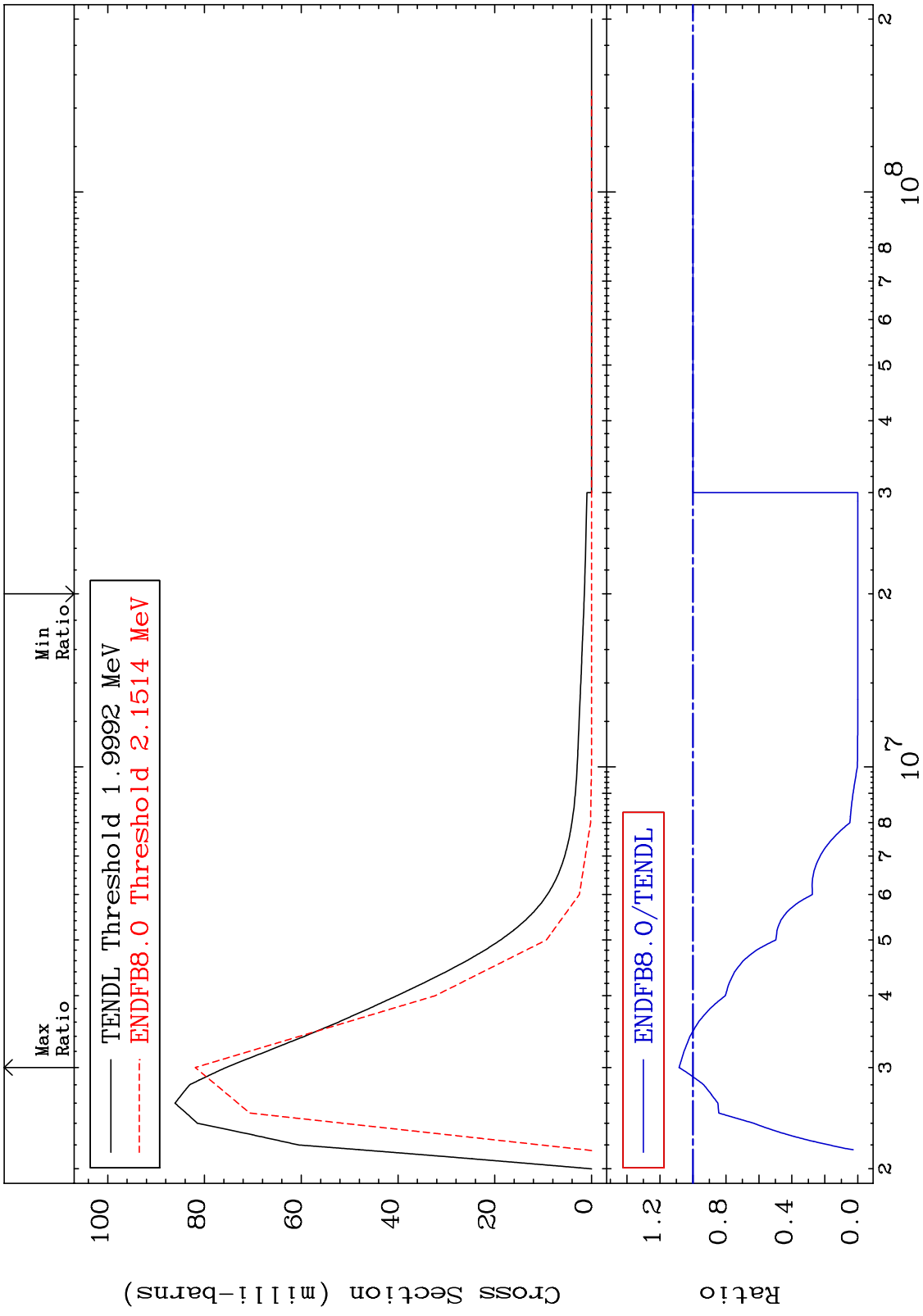
MAT 8049 MT= 57 (n,n') Level Cross Section -100.0 To 72.04 % 80-Hg-204



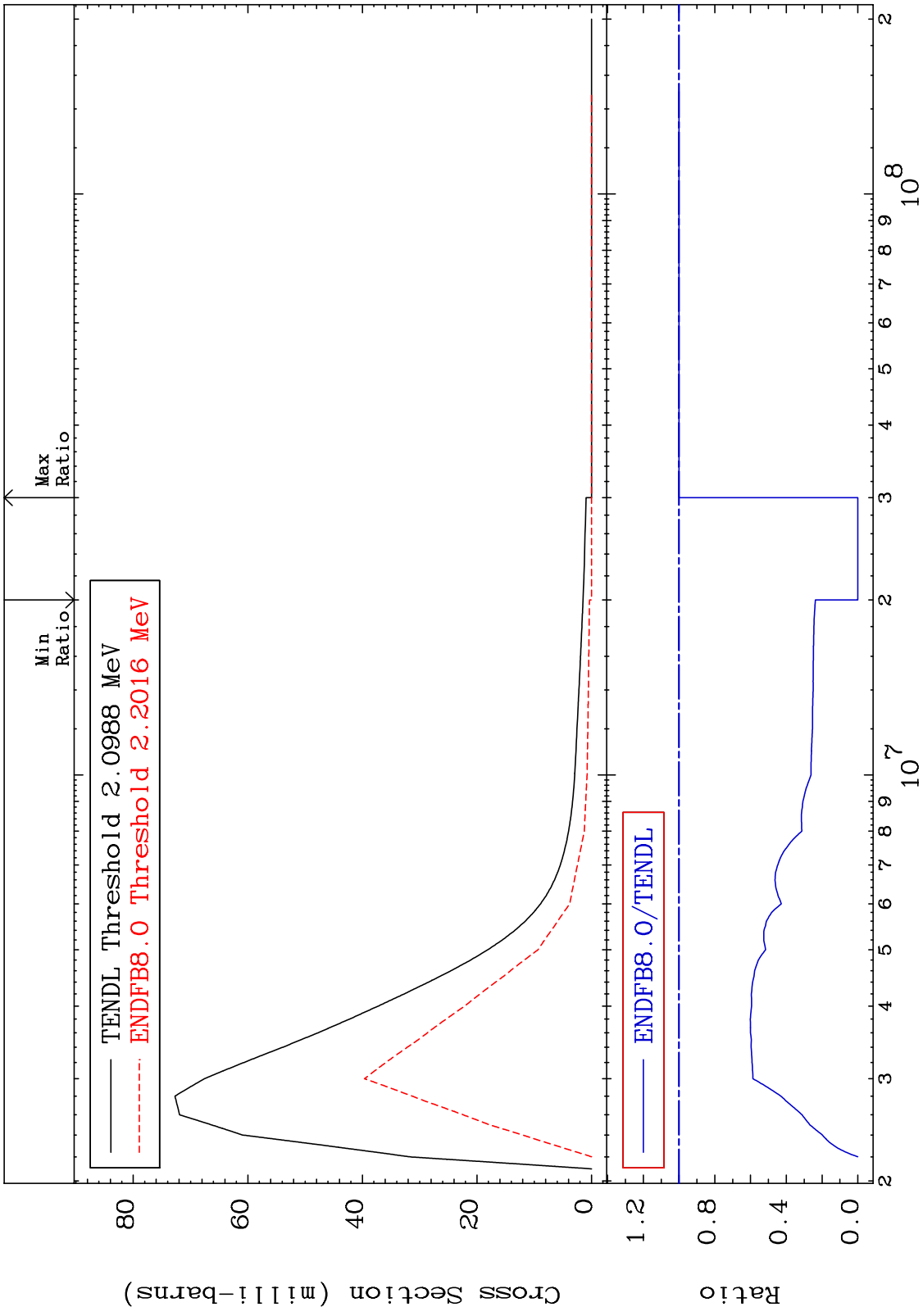
MAT 8049 MT= 58 (n,n') Level Cross Section 80-Hg-204
 -100.0 To 9.295 %



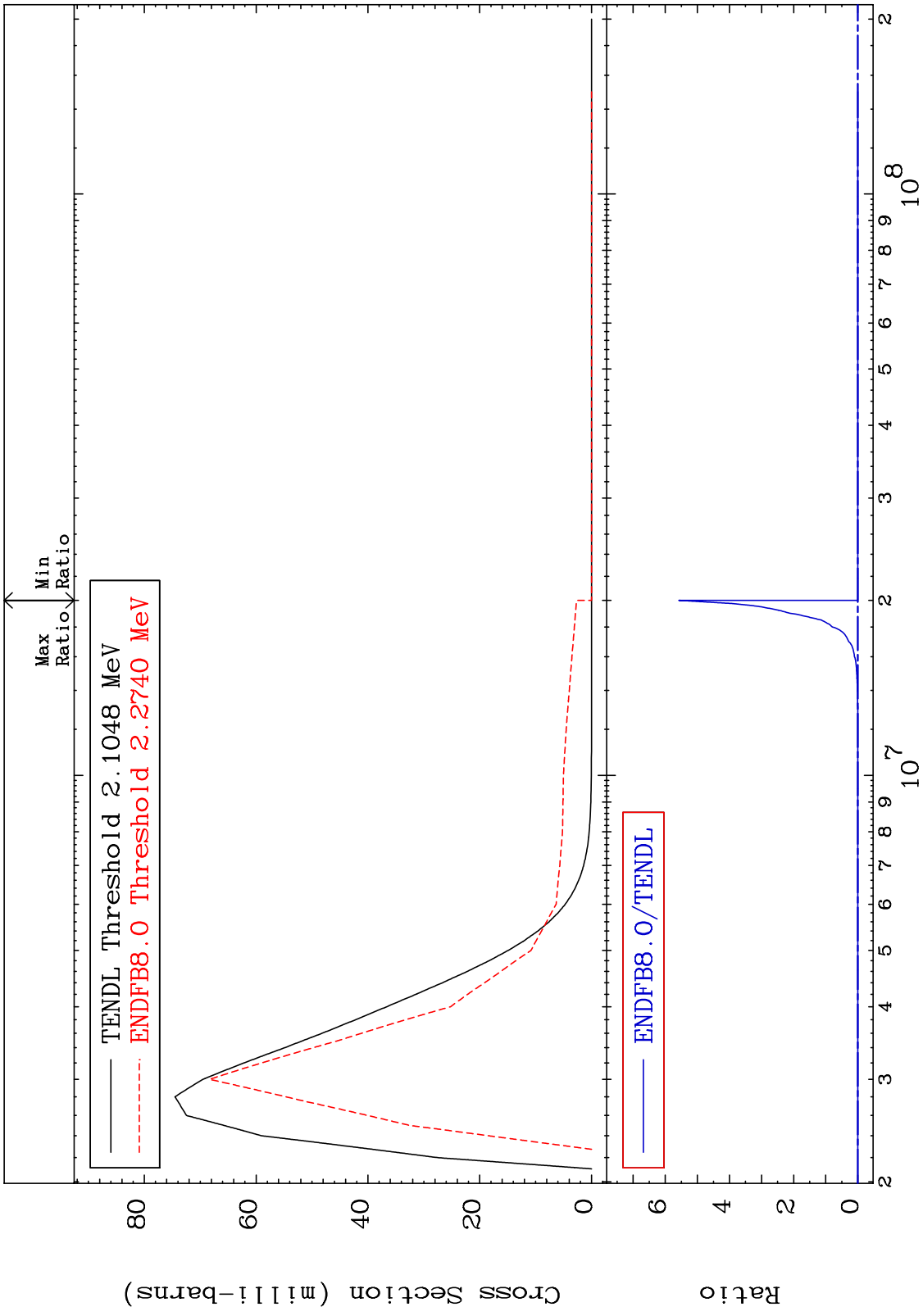
MAT 8049 MT= 59 (n,n') Level Cross Section 80-Hg-204
 -100.0 To 8.406 %



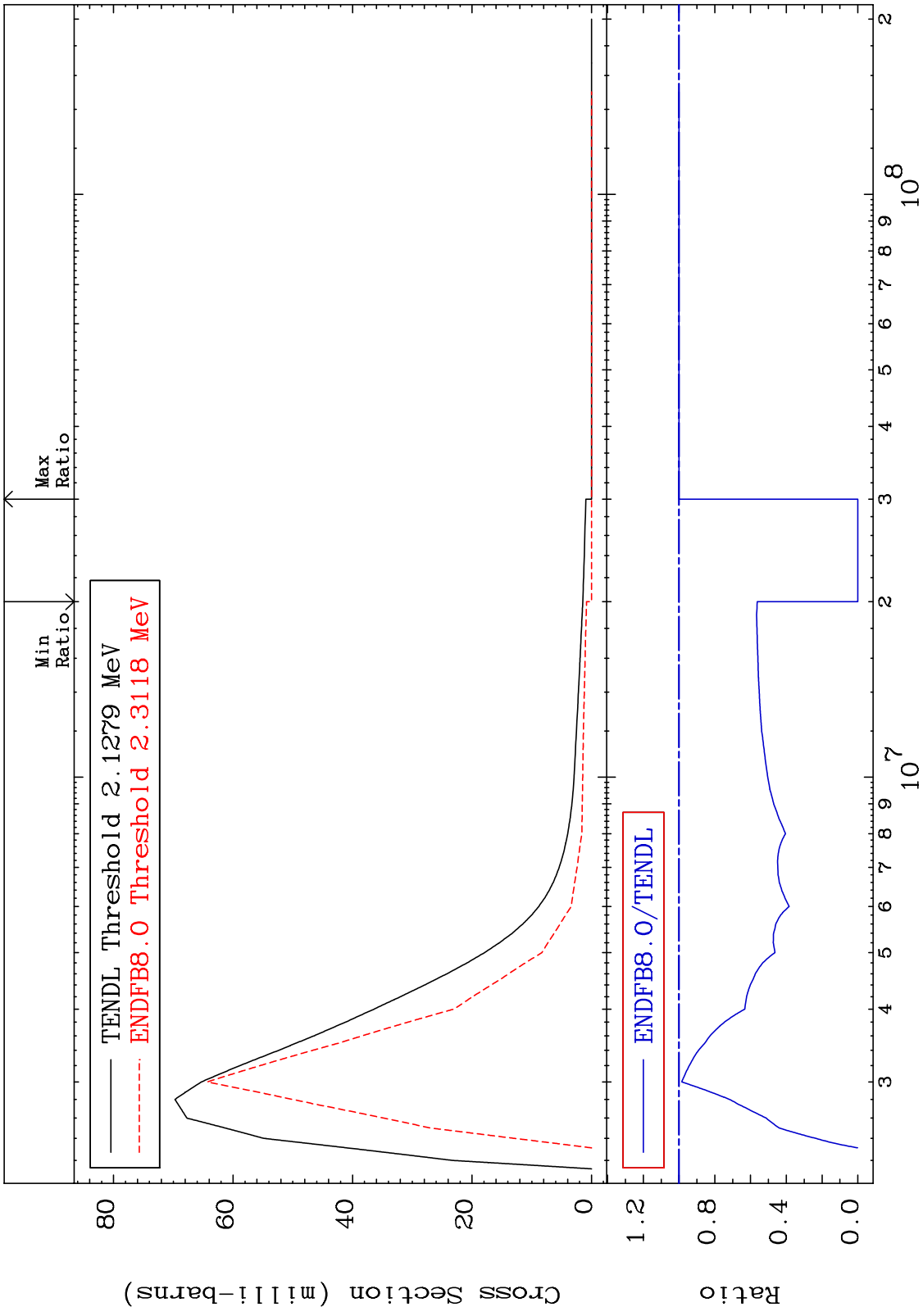
MAT 8049 MT= 60 (n,n') Level Cross Section 80-Hg-204 -100.0 To 0.000 %



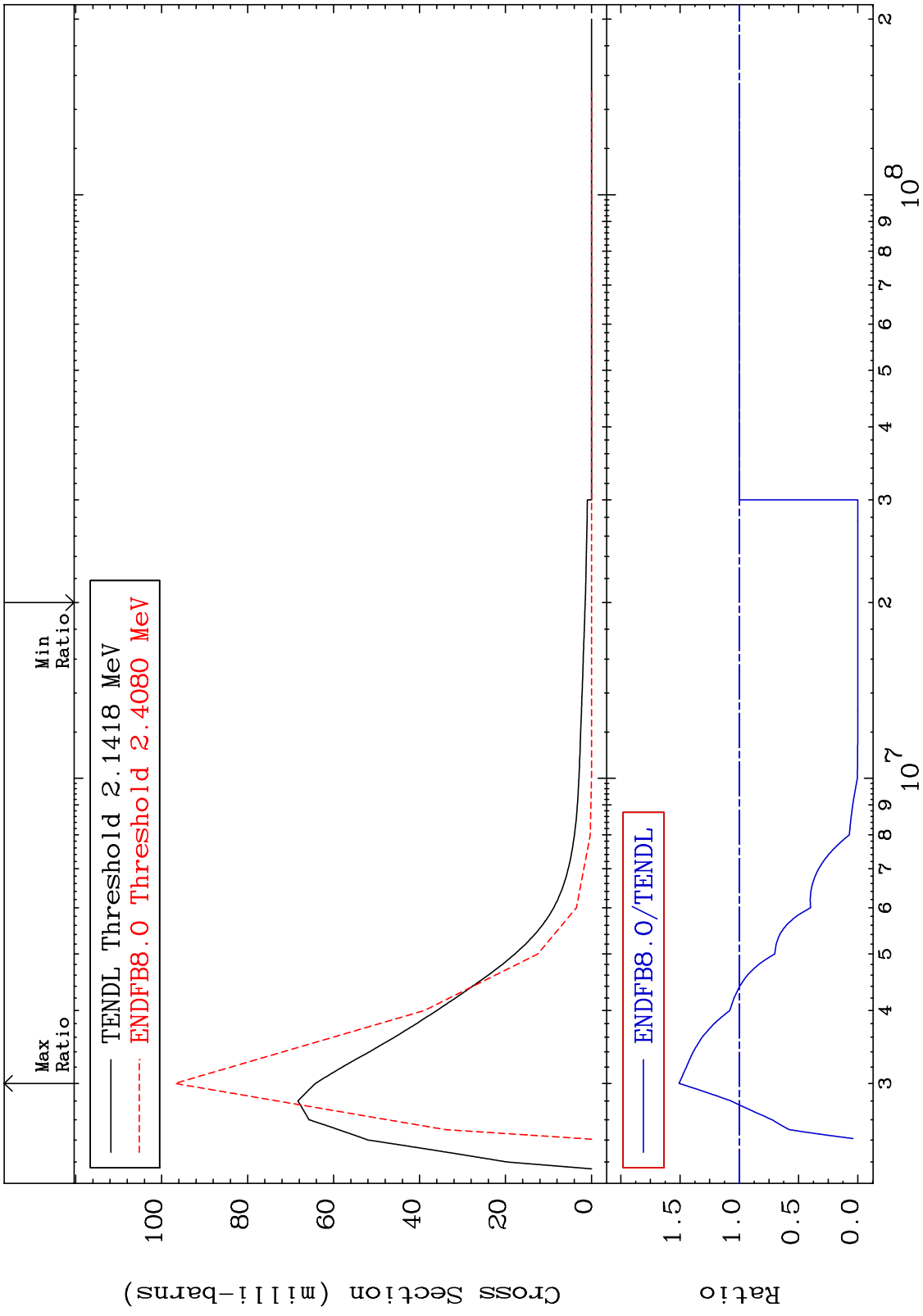
MAT 8049 MT= 61 (n,n') Level 80-Hg-204
 Cross Section -100.0 To 9999. %



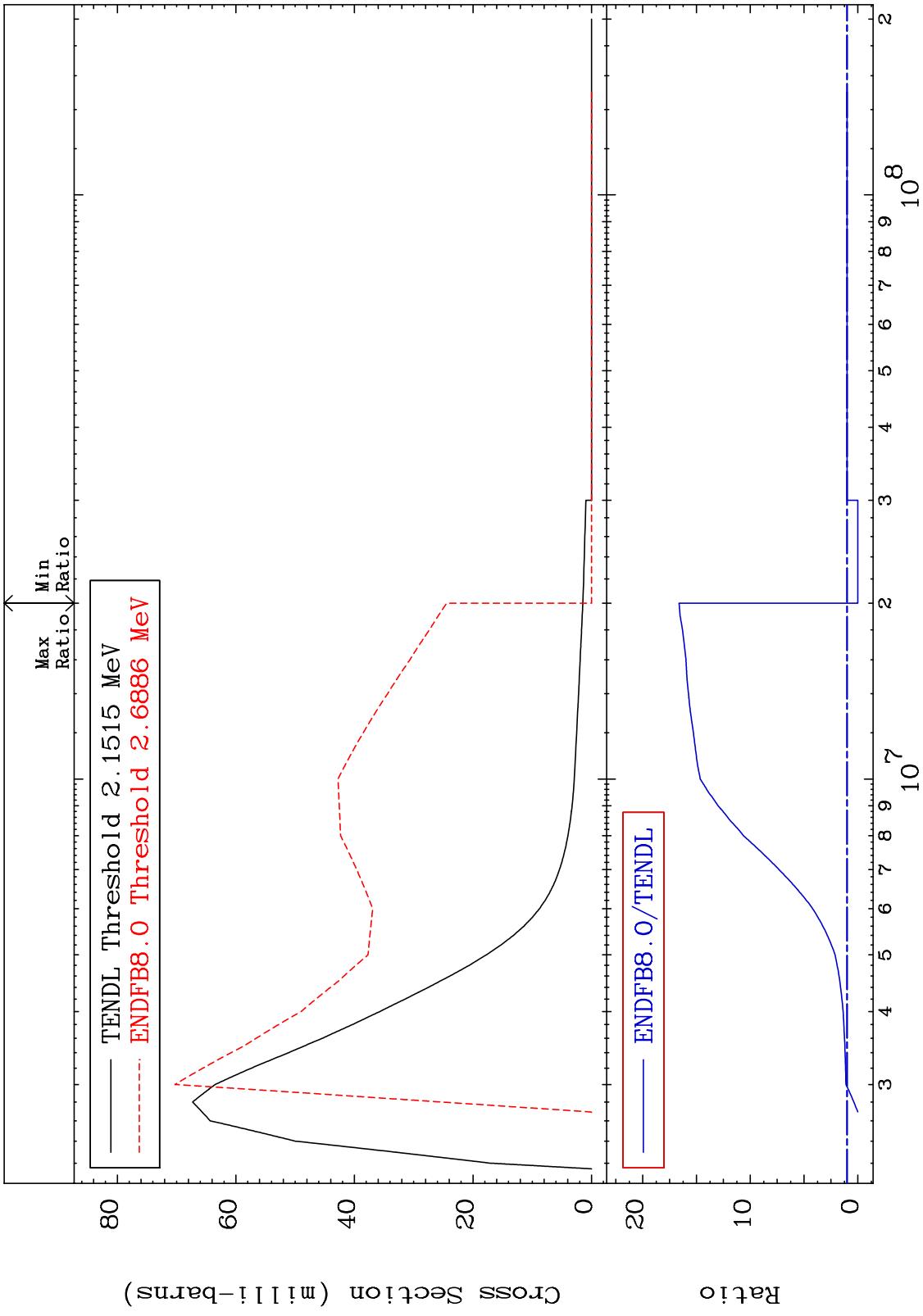
MAT 8049 MT= 62 (n,n') Level Cross Section 80-Hg-204 -100.0 To 0.000 %



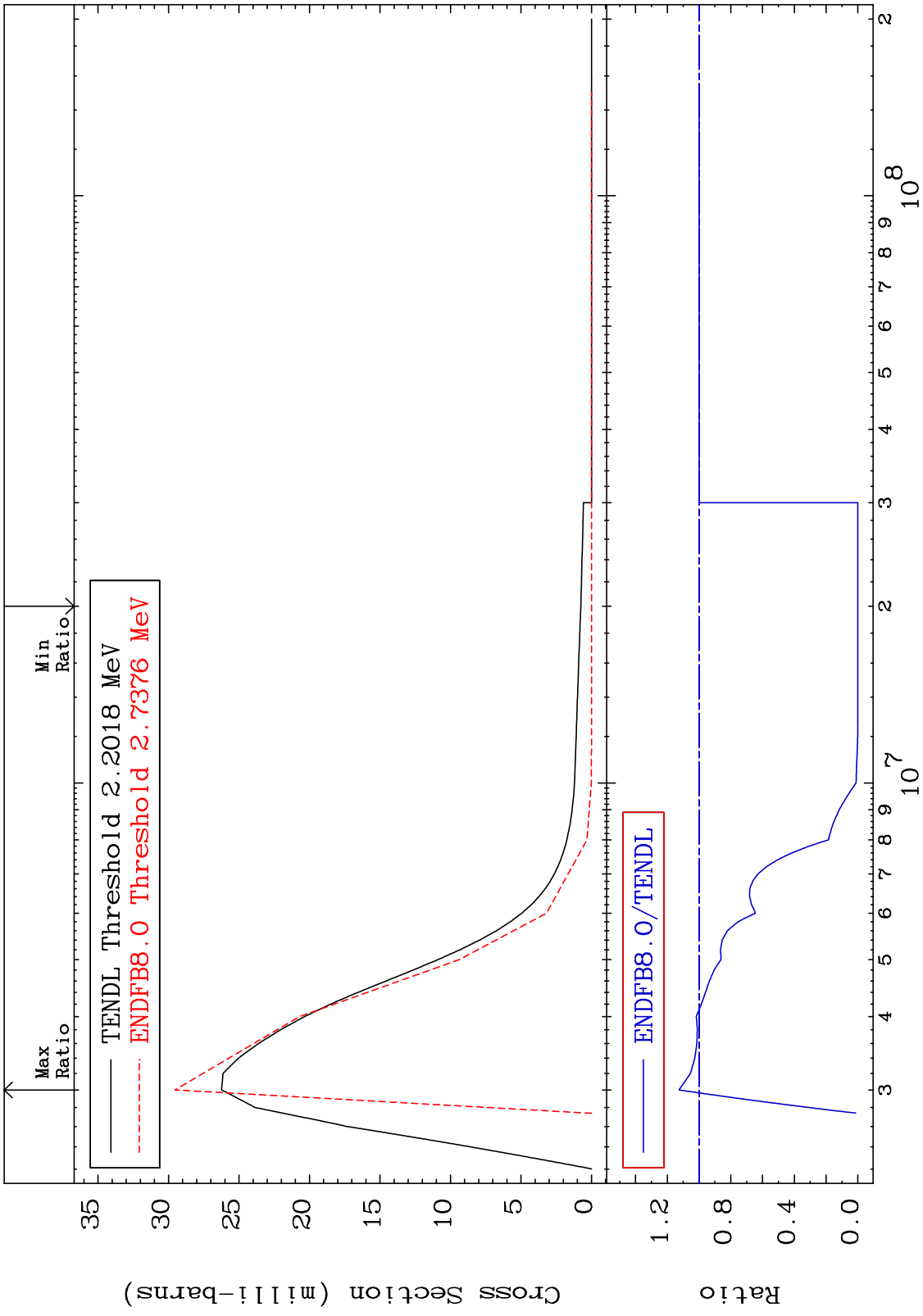
MAT 8049 MT= 63 (n,n') Level Cross Section -100.0 To 50.85 % 80-Hg-204



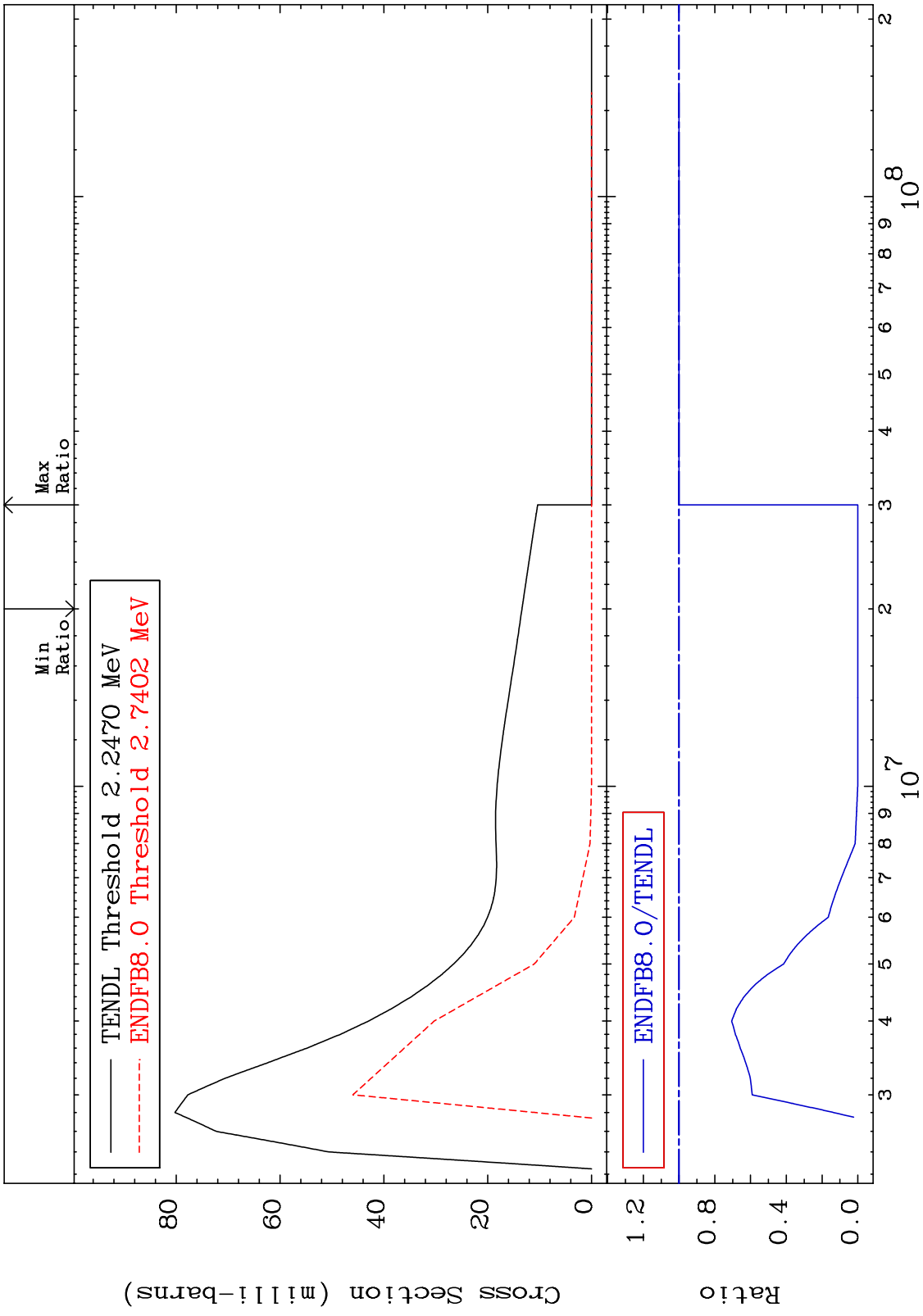
MAT 8049 MT= 64 (n,n') Level Cross Section -100.0 To 1563. % 80-Hg-204



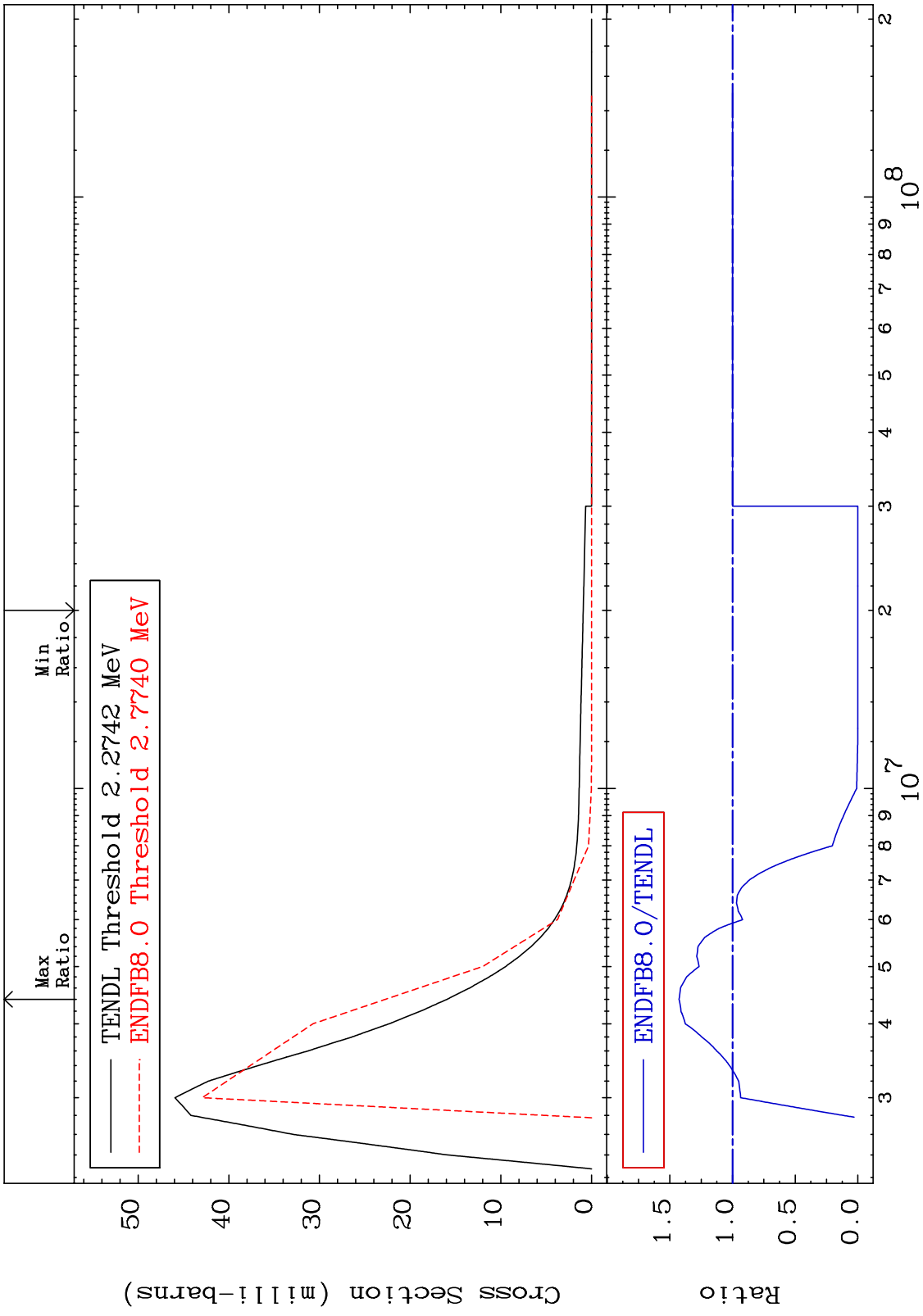
MAT 8049 MT= 65 (n,n') Level Cross Section -100.0 To 12.60 % 80-Hg-204



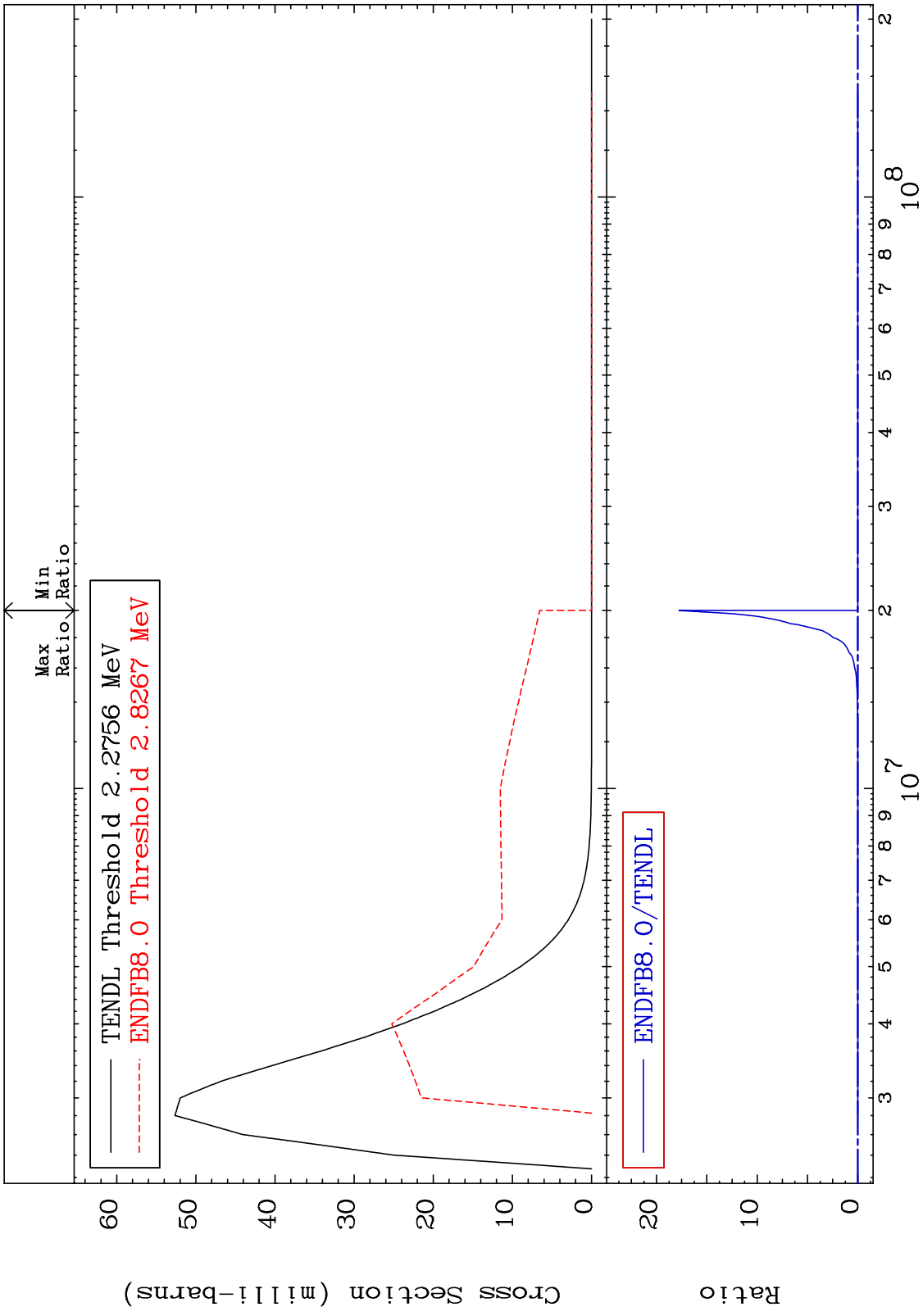
MAT 8049 MT= 66 (n,n') Level Cross Section 80-Hg-204 -100.0 To 0.000 %



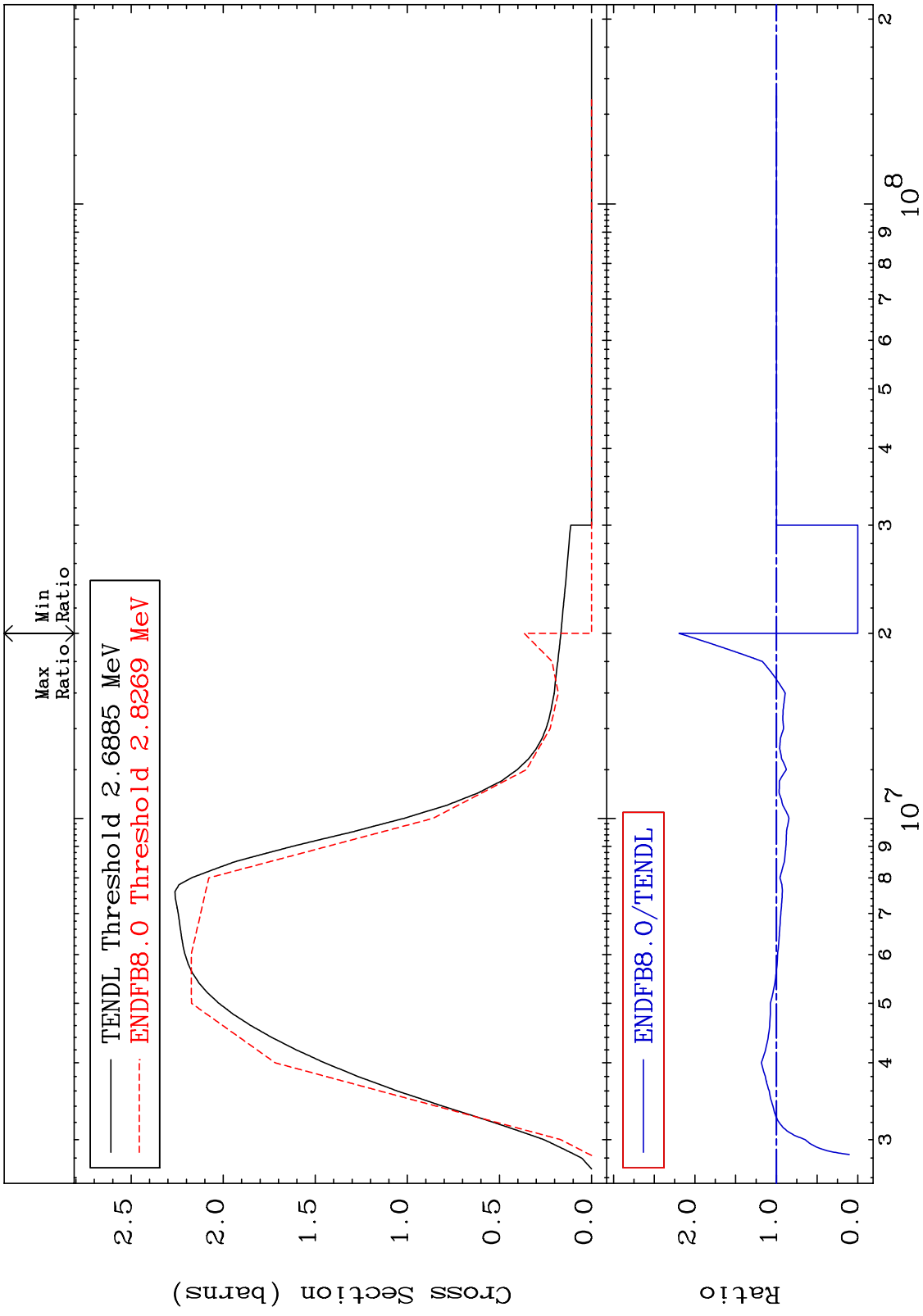
MAT 8049 MT= 67 (n,n') Level Cross Section -100.0 To 42.65 % 80-Hg-204



MAT 8049 MT= 68 (n,n') Level Cross Section 80-Hg-204
 -100.0 To 9999. %

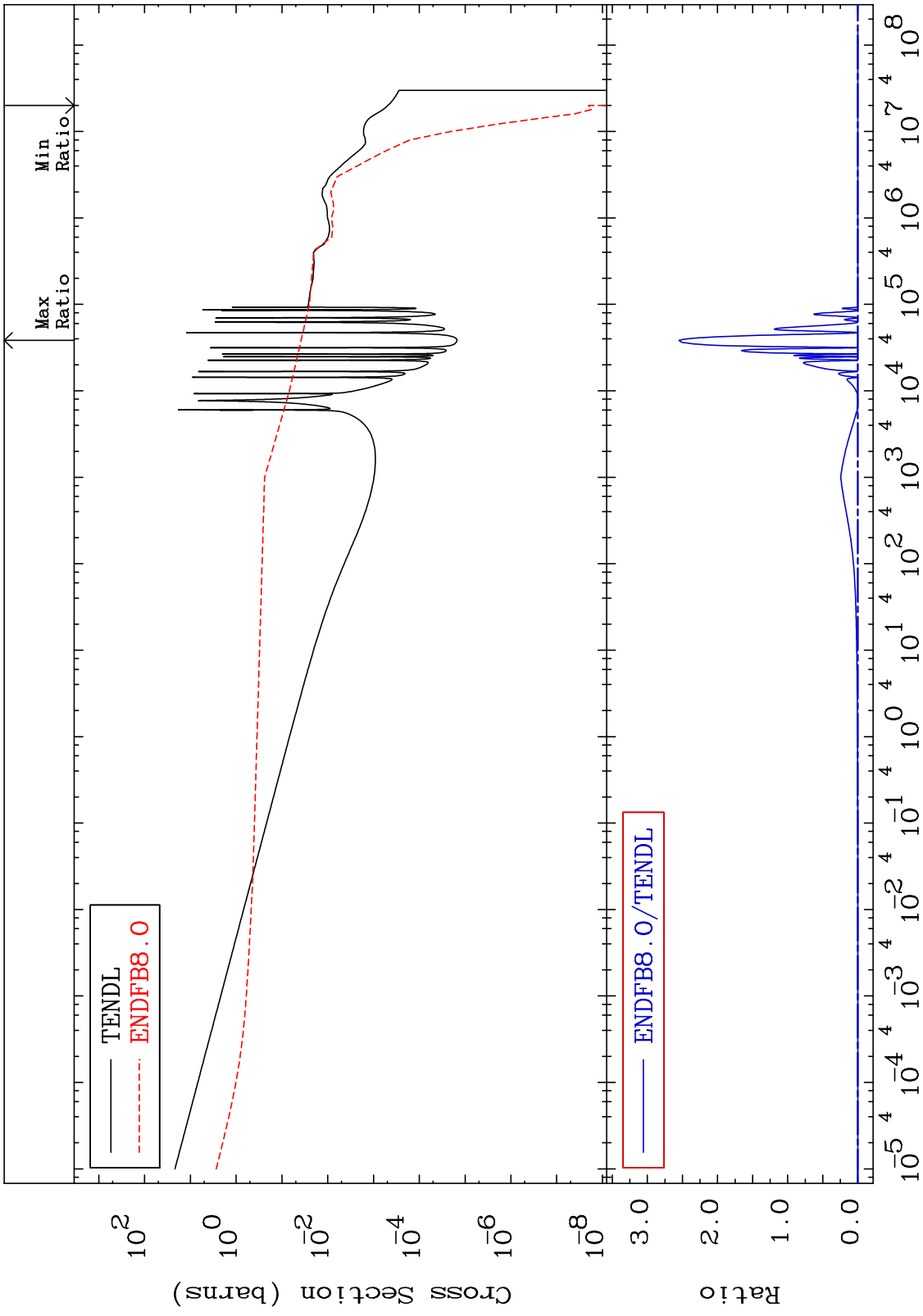


MAT 8049 (n, n') Continuum Cross Section -100.0 To 119.6 % 80-Hg-204



Incident Energy (eV) 80-Hg-204

MAT 8049 (n, γ) Cross Section 80-Hg-204 -100.0 To 9999. %



80-Hg-204

MAT 8049

(n,p)

80-Hg-204

-100.0 To 3158. %

Cross Section

Max Ratio

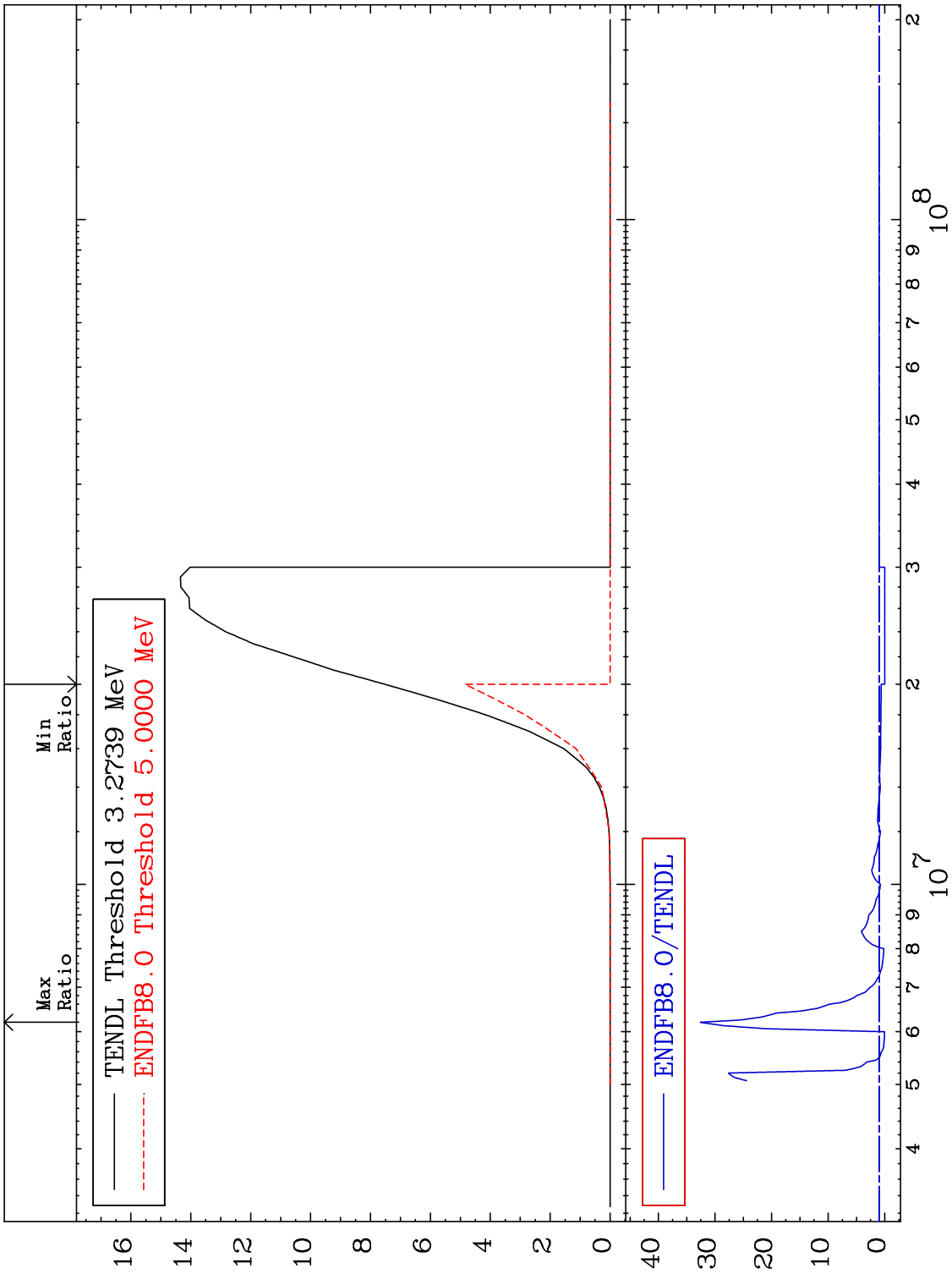
Min Ratio

TENDL Threshold 3.2739 MeV
ENDFB8.0 Threshold 5.0000 MeV

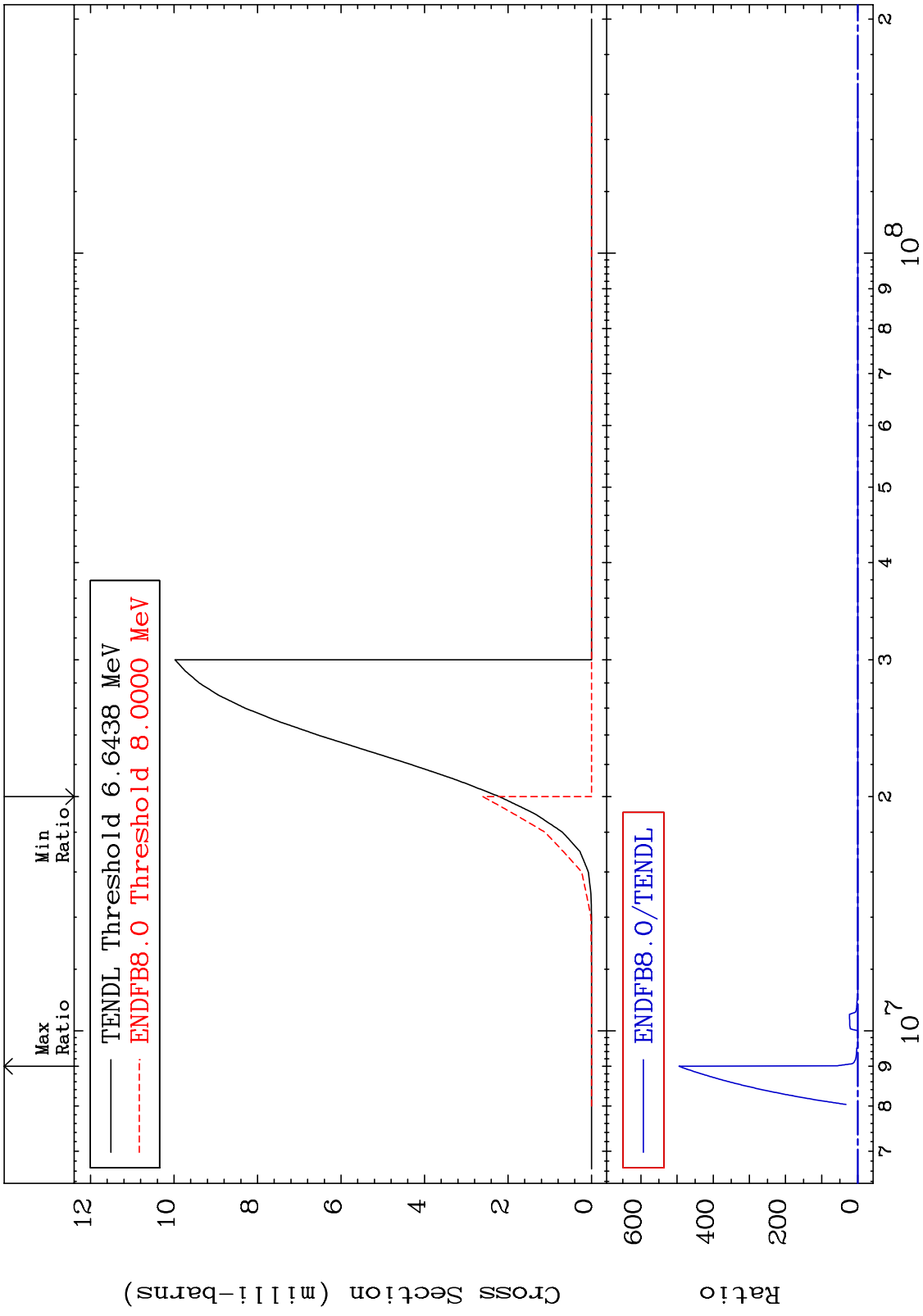
Cross Section (milli-barns)

ENDFB8.0/TENDL

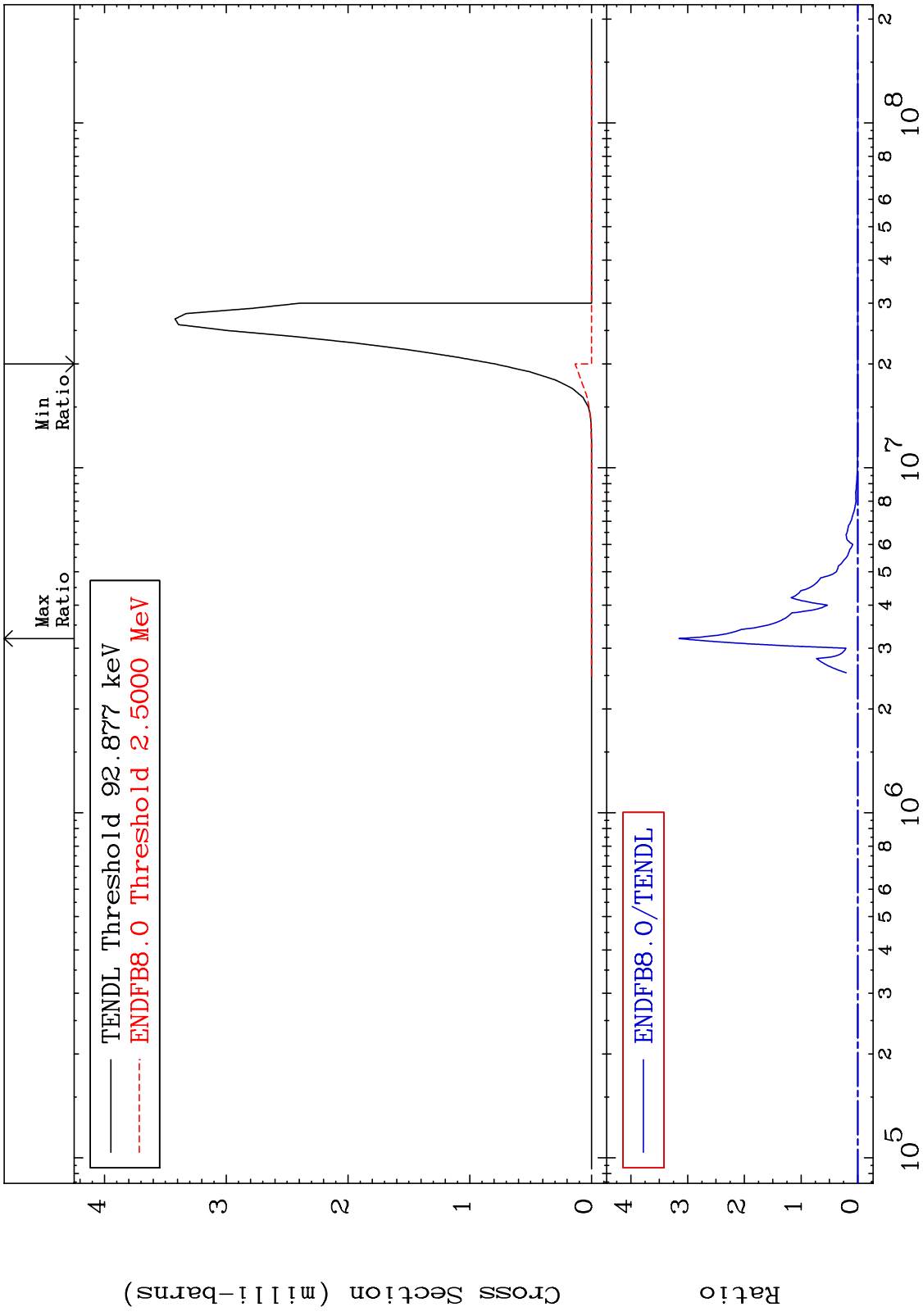
Ratio



MAT 8049 (n,d) Cross Section 80-Hg-204 -100.0 To 9999. %



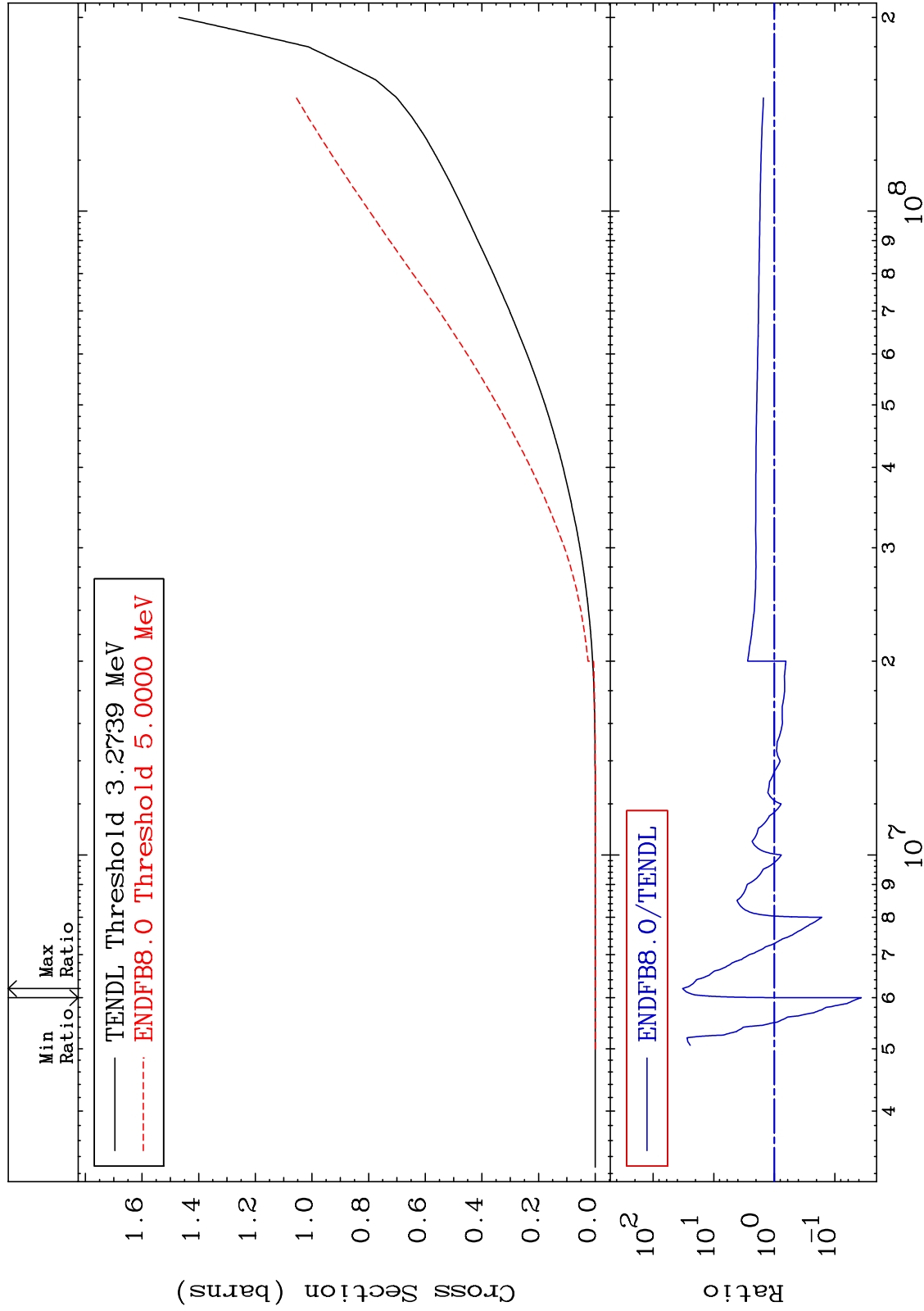
MAT 8049 80-Hg-204
-100.0 To 9999. %



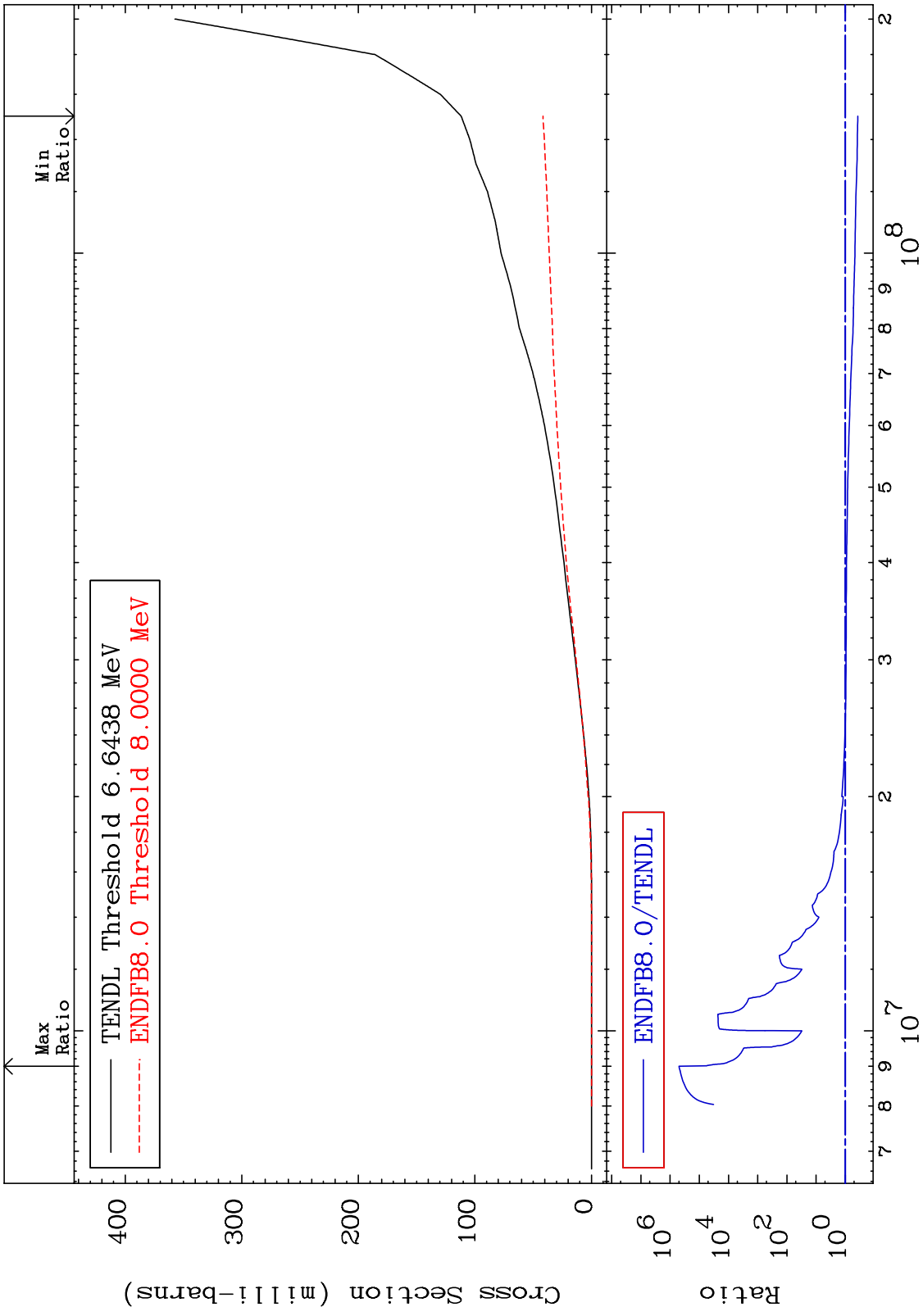
MAT 8049

Hydrogen Production
Cross Section

80-Hg-204
-96.35 To 3158. %



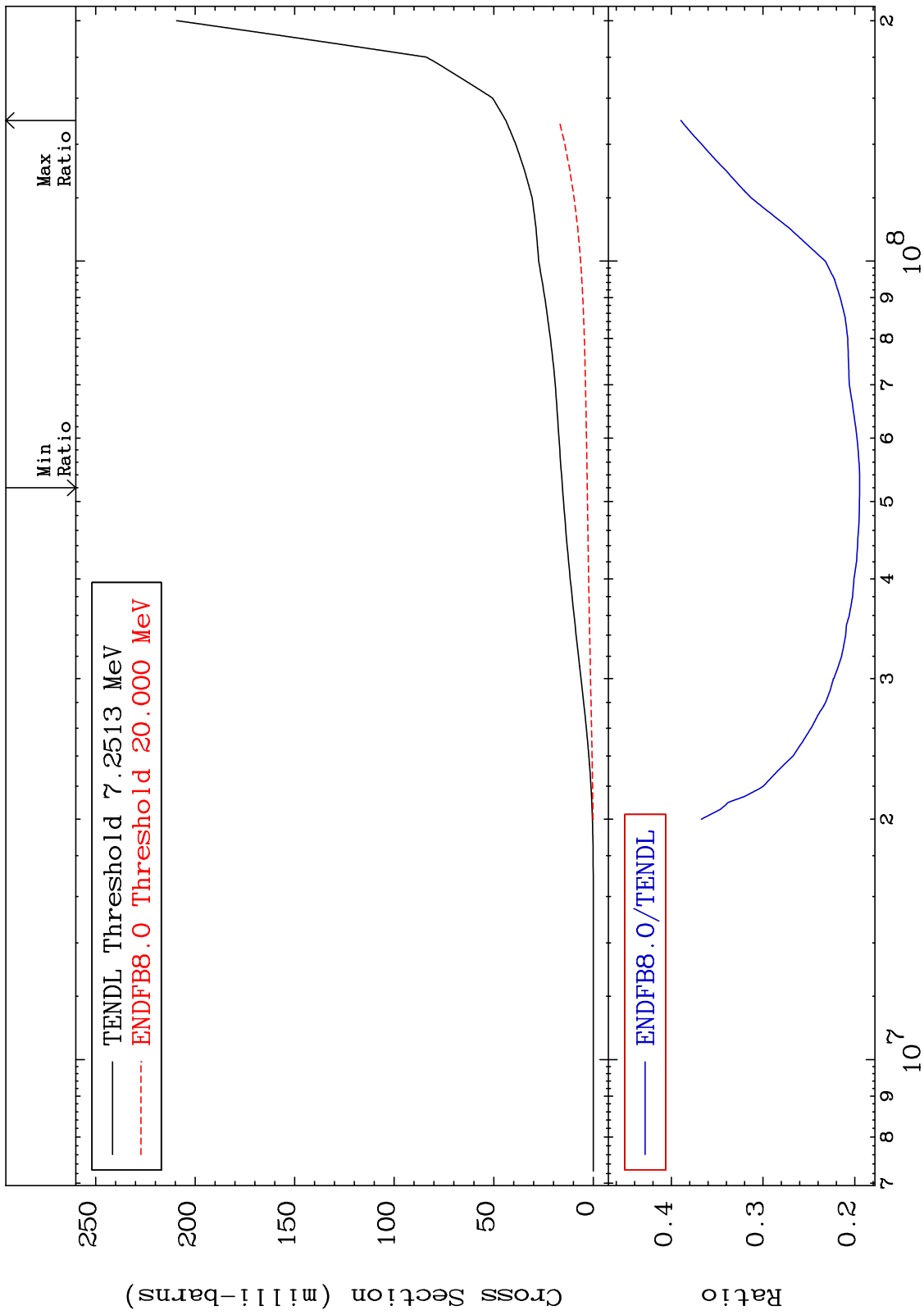
MAT 8049 Deuterium Production Cross Section 80-Hg-204
 -62.75 To 9999. %



MAT 8049

Tritium Production
Cross Section

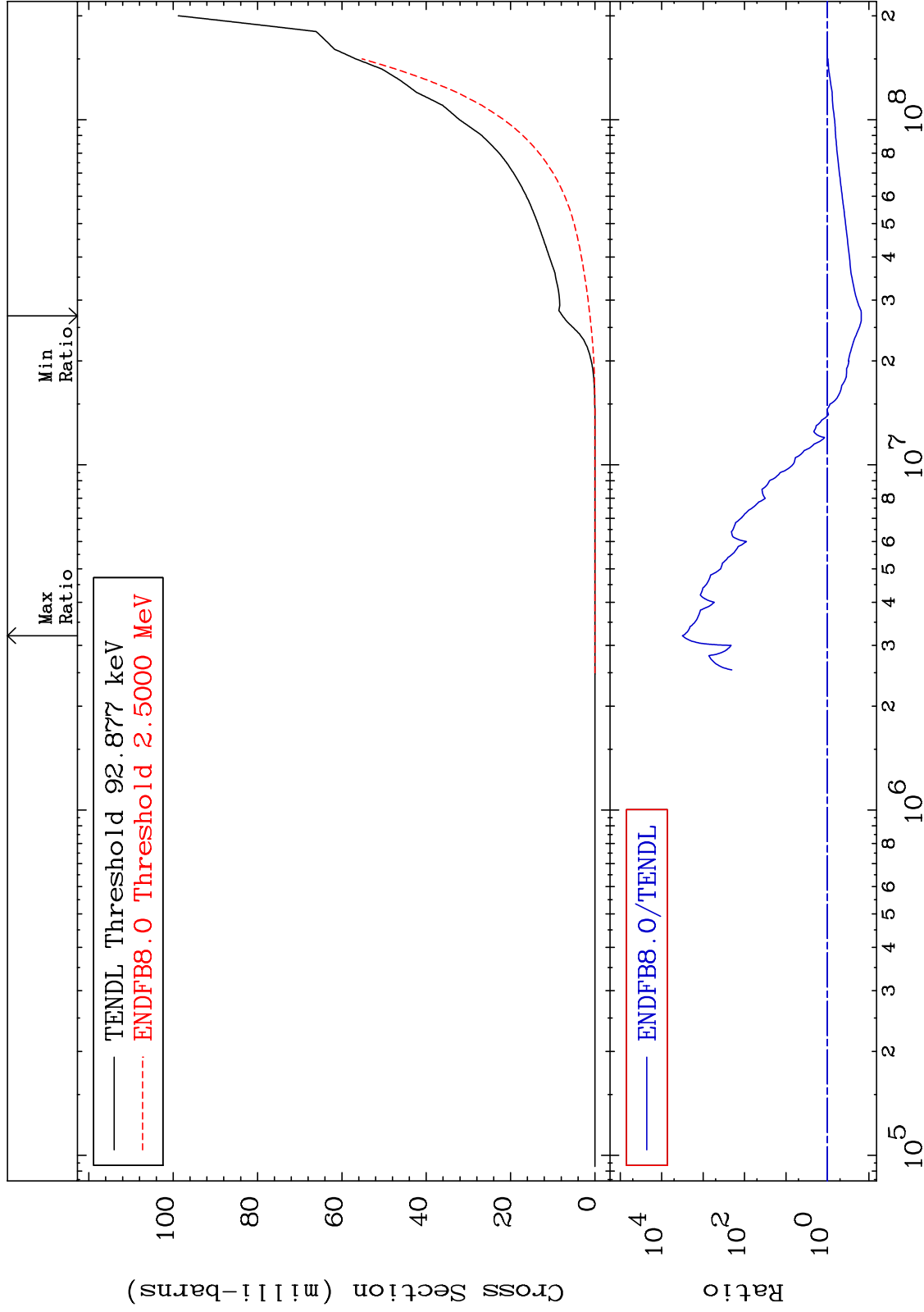
$^{80}\text{Hg-204}$
-80.53 To -61.04%



MAT 8049

He-4 Production
Cross Section

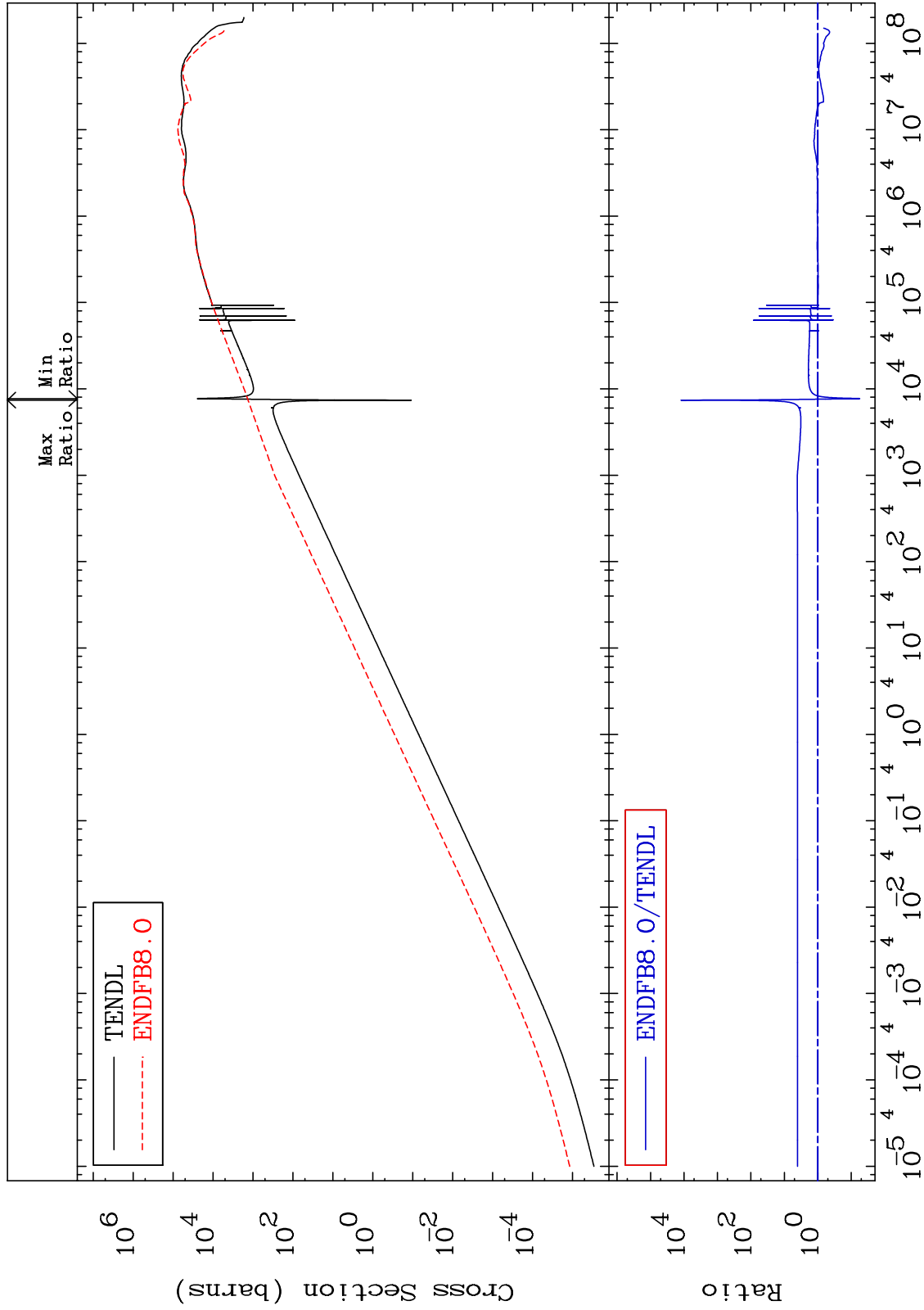
80-Hg-204
-84.74 To 9999. %



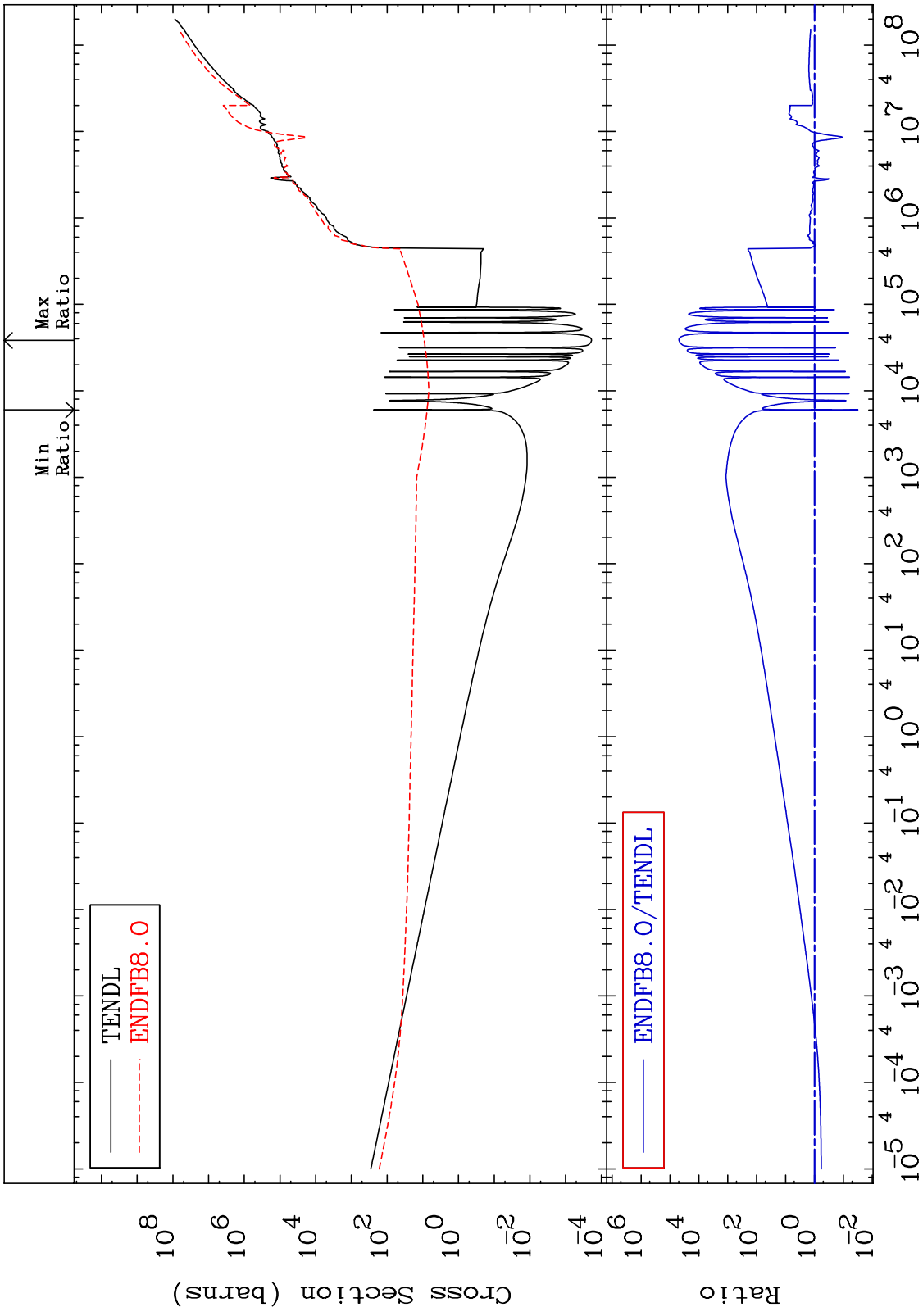
MAT 8049

Kerma elastic
Cross Section

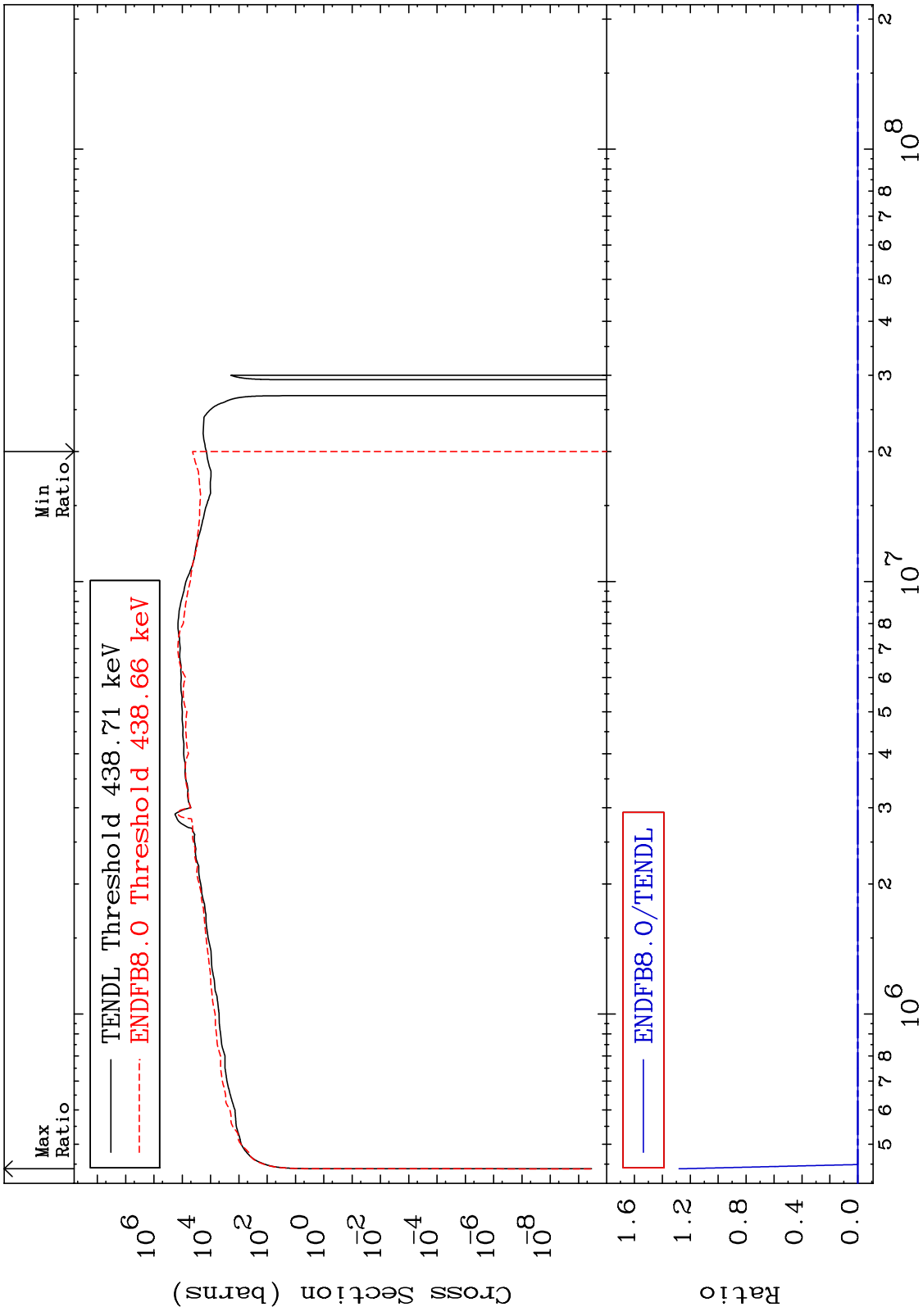
80-Hg-204
-94.45 To 9999. %



MAT 8049 Kerma non-elastic (all but mt2) 80-Hg-204
 Cross Section -96.85 To 9999. %



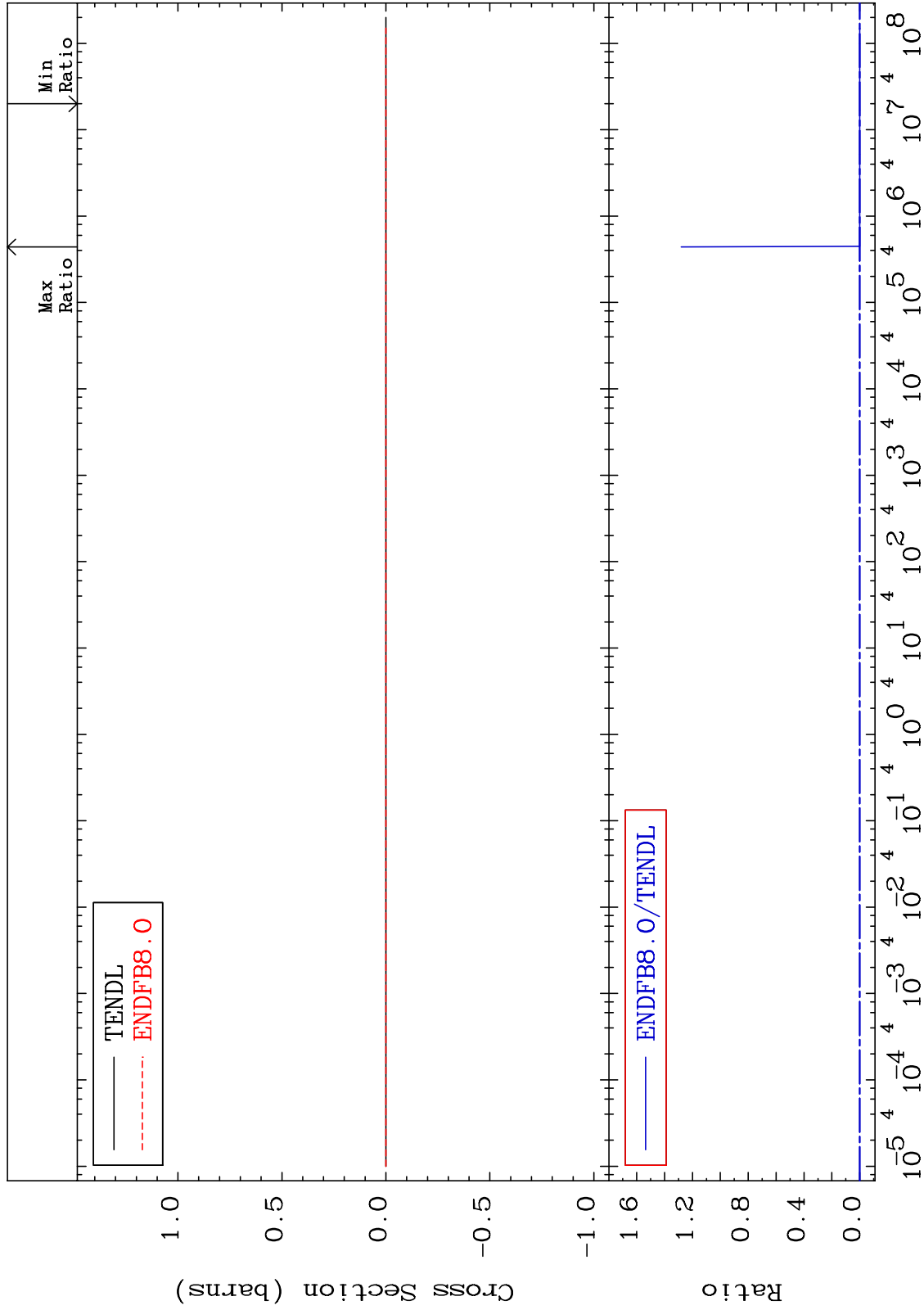
MAT 8049 Kerma inelastic (mt51-91) 80-Hg-204
 Cross Section -100.0 To 9999. %



MAT 8049

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

80-Hg-204
-100.0 To 9999. %

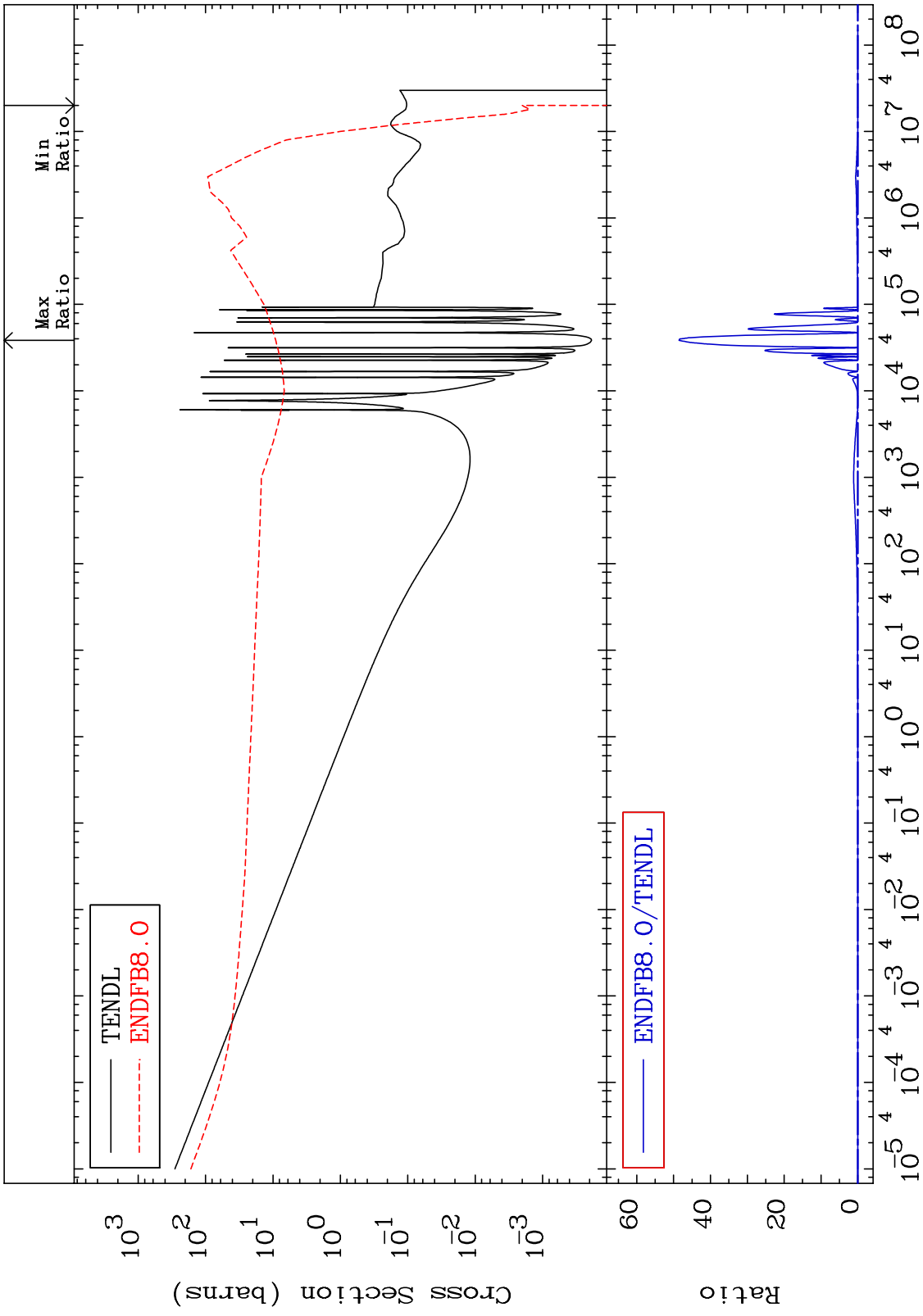


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Incident Energy (eV)

80-Hg-204

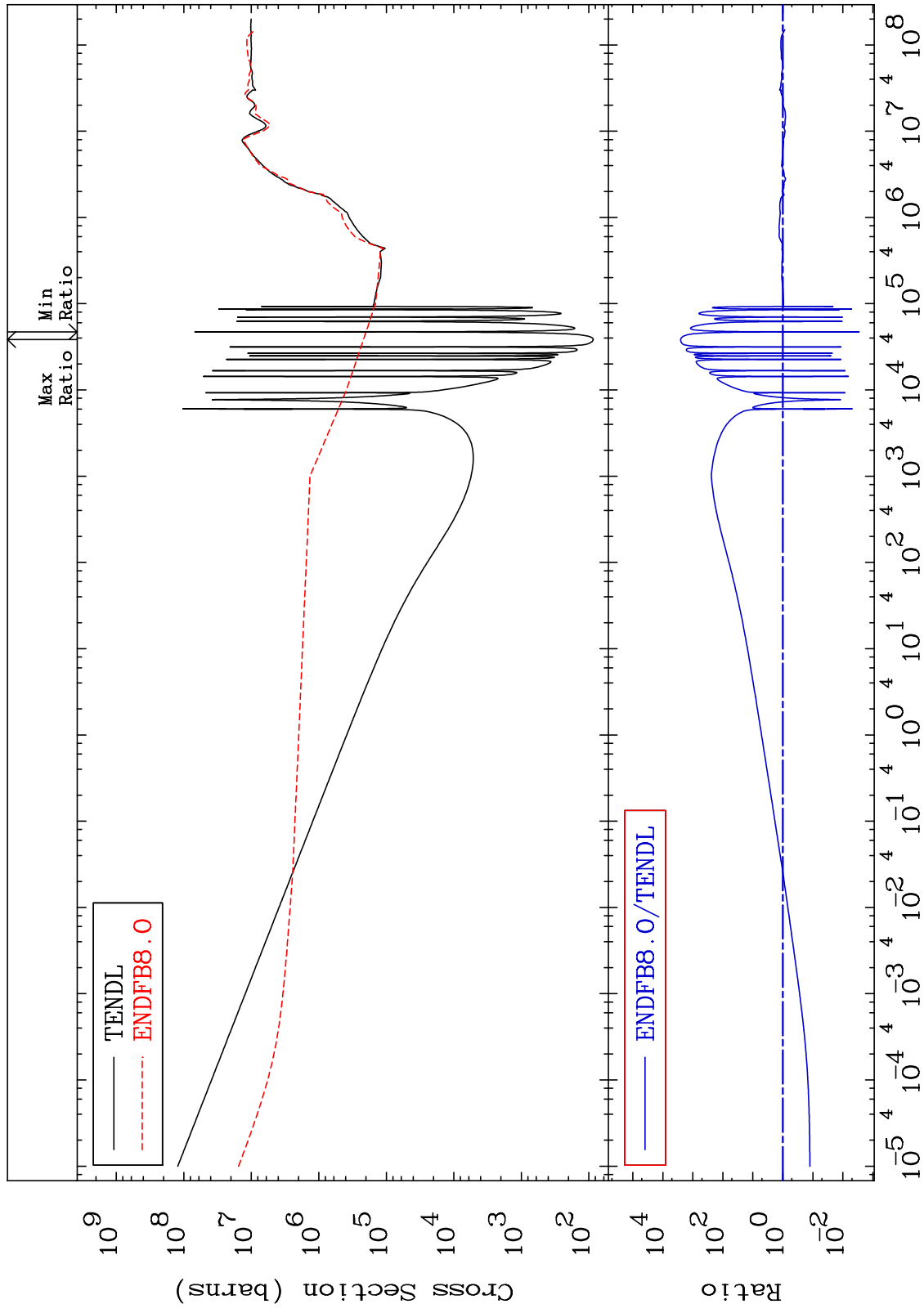
MAT 8049 Kerma capture (mt102) 80-Hg-204
 Cross Section -100.0 To 9999. %



MAT 8049

Total photon (eV-barns)
Cross Section

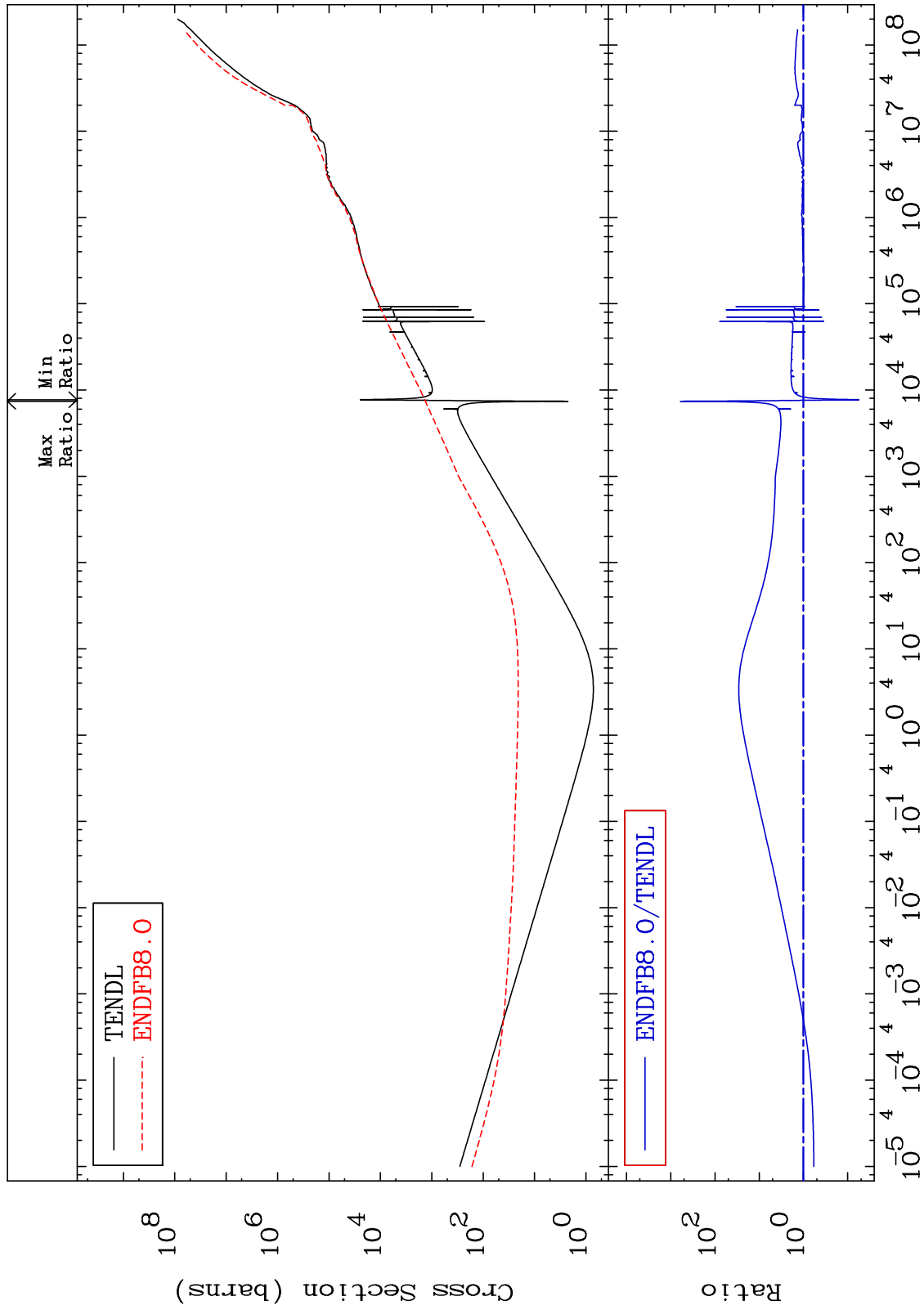
80-Hg-204
-99.71 To 9999. %



MAT 8049

Total kinematic kerma (high limit)
Cross Section

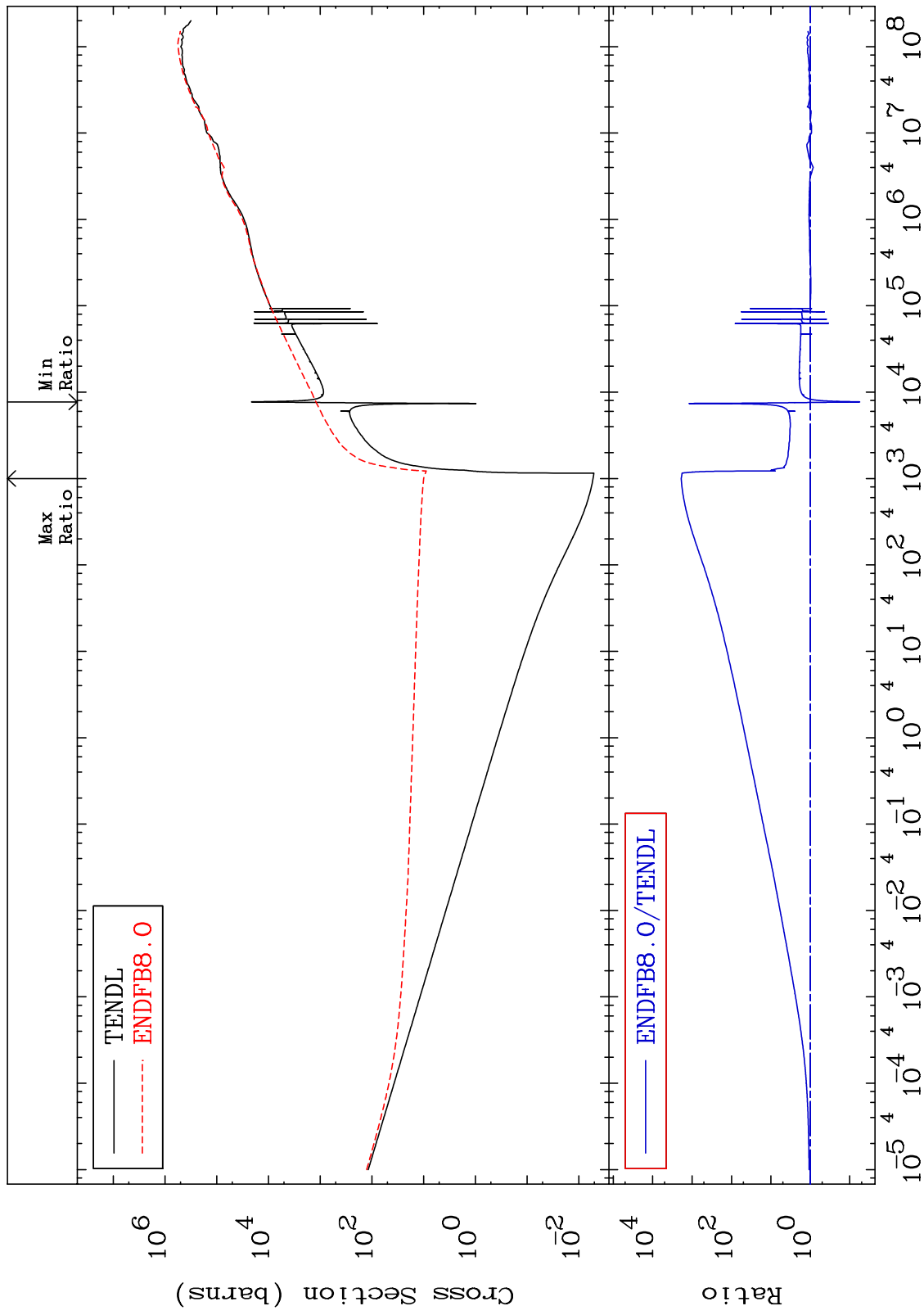
80-Hg-204
-94.44 To 9999. %



MAT 8049

Dpa total (eV-barns)
Cross Section

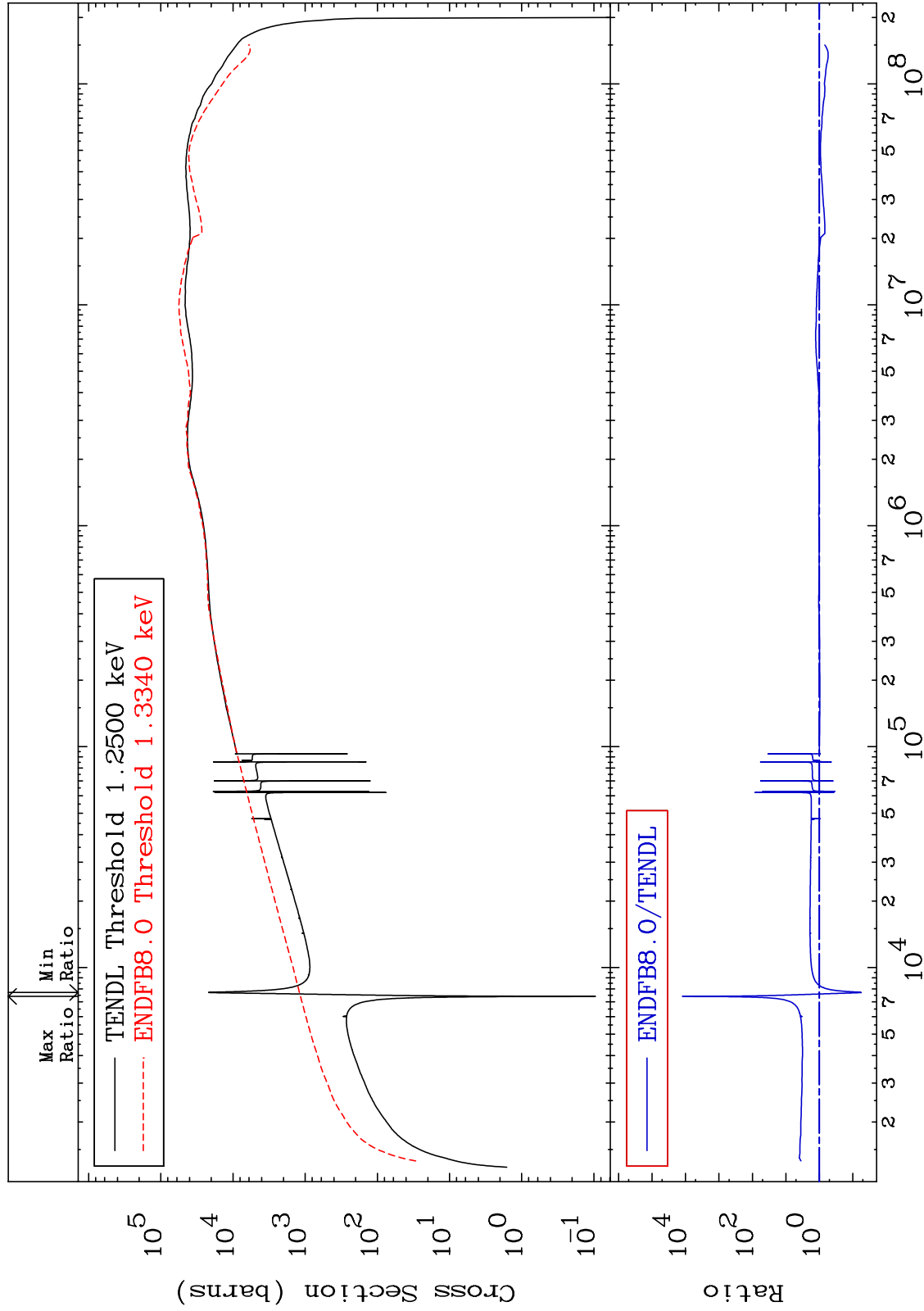
80-Hg-204
-94.43 To 9999. %



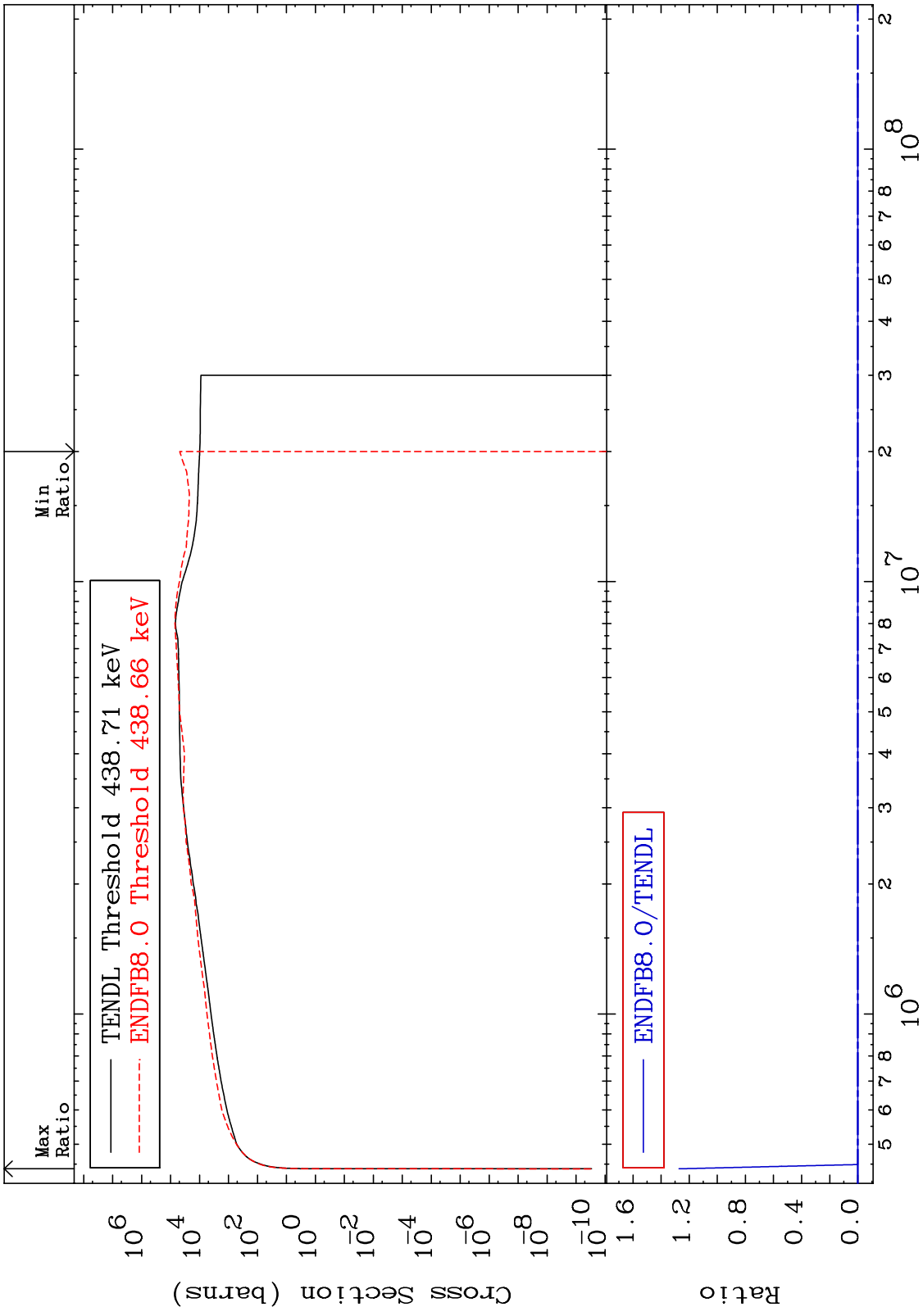
MAT 8049

Dpa elastic (mt2)
Cross Section

80-Hg-204
-94.43 To 9999. %



MAT 8049 Dpa inelastic (mt51-91) 80-Hg-204
 Cross Section -100.0 To 9999. %



MAT 8049 Dpa disappearance (mt102 -120) 80-Hg-204
 Cross Section -100.0 To 9999. %

