

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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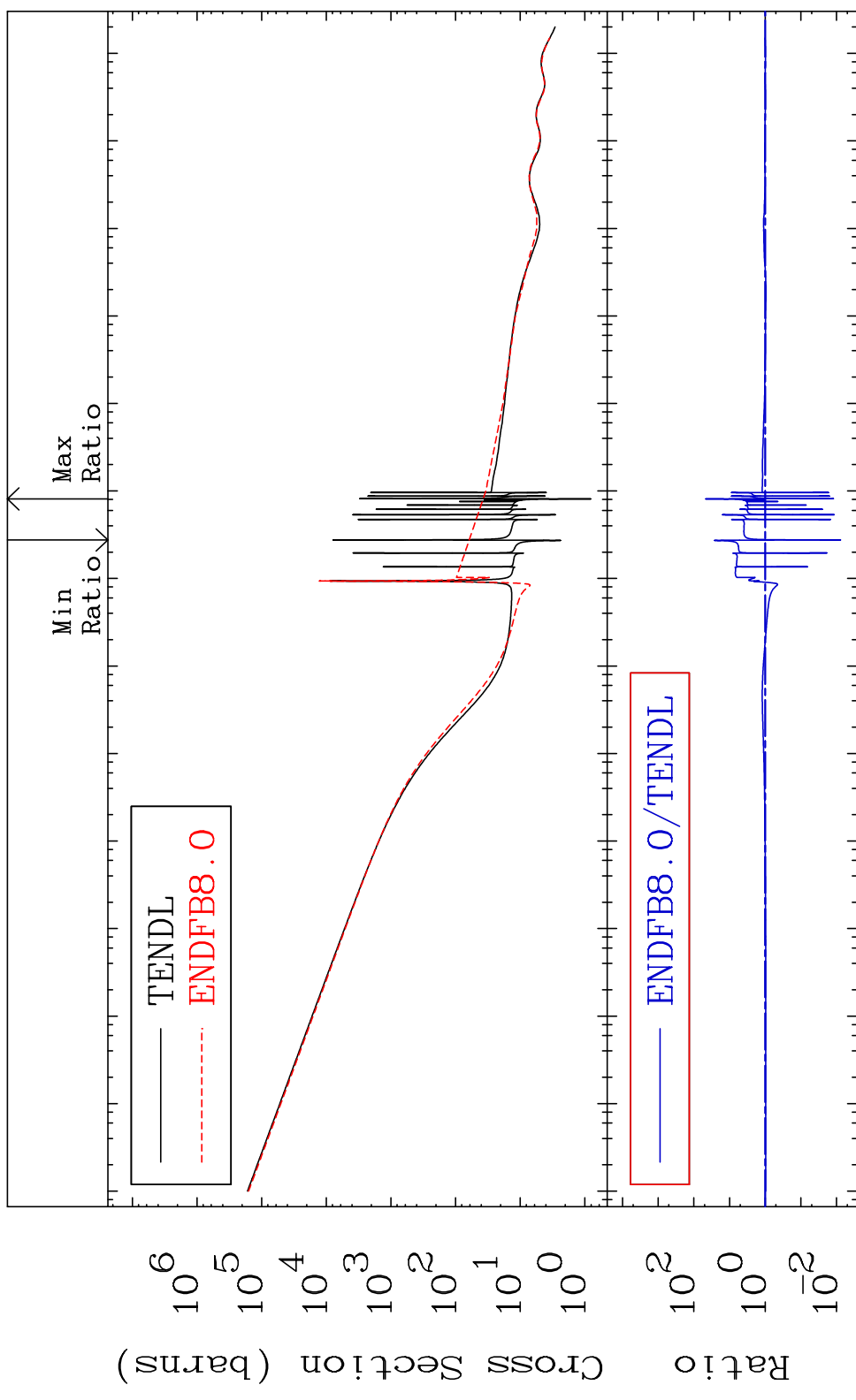
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8025

Total Cross Section -99.22 To 4526. %
80-Hg-196



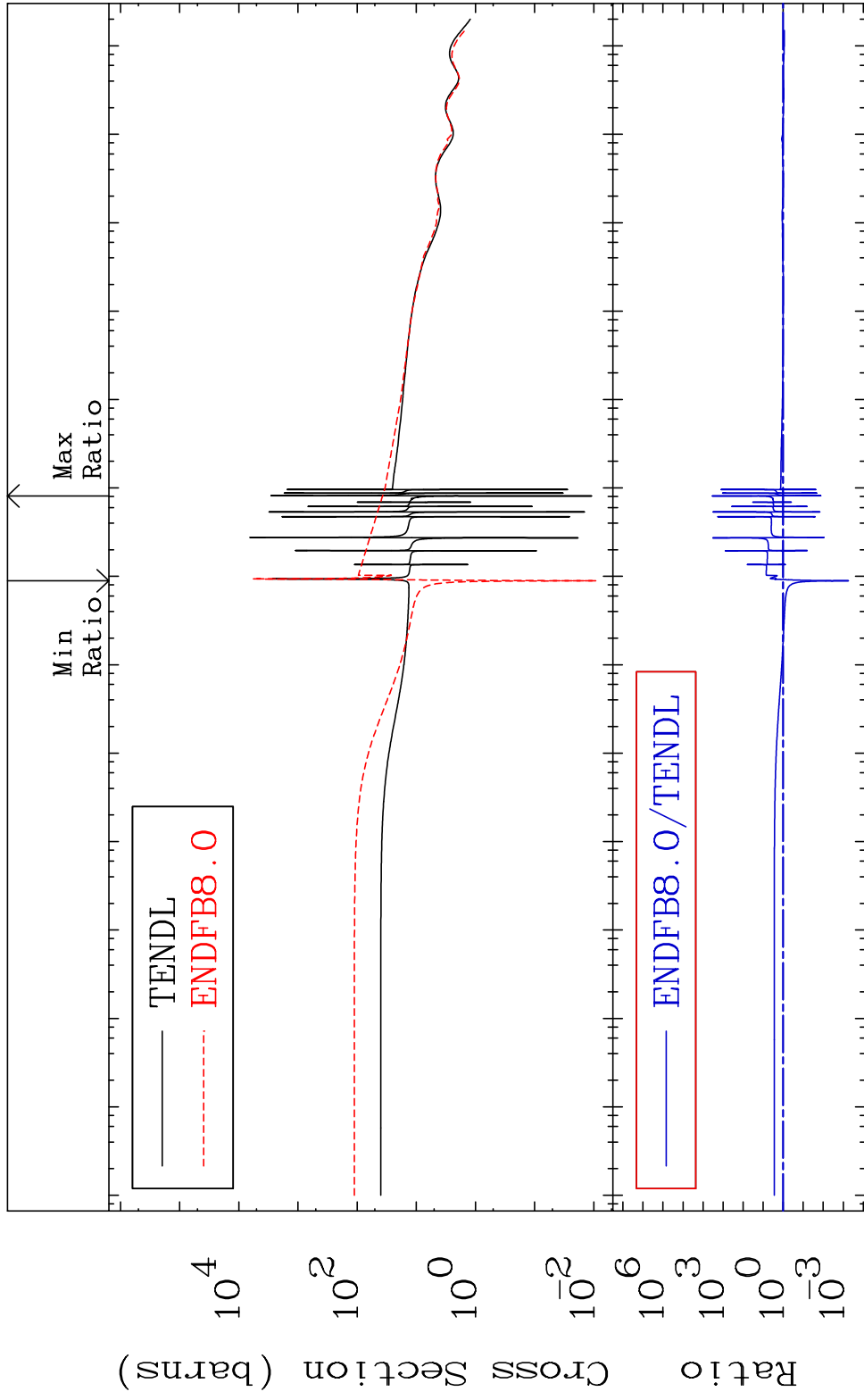
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV) 80-Hg-196

MAT 8025

Elastic

80-Hg-196

Cross Section -99.94 To 9999. %

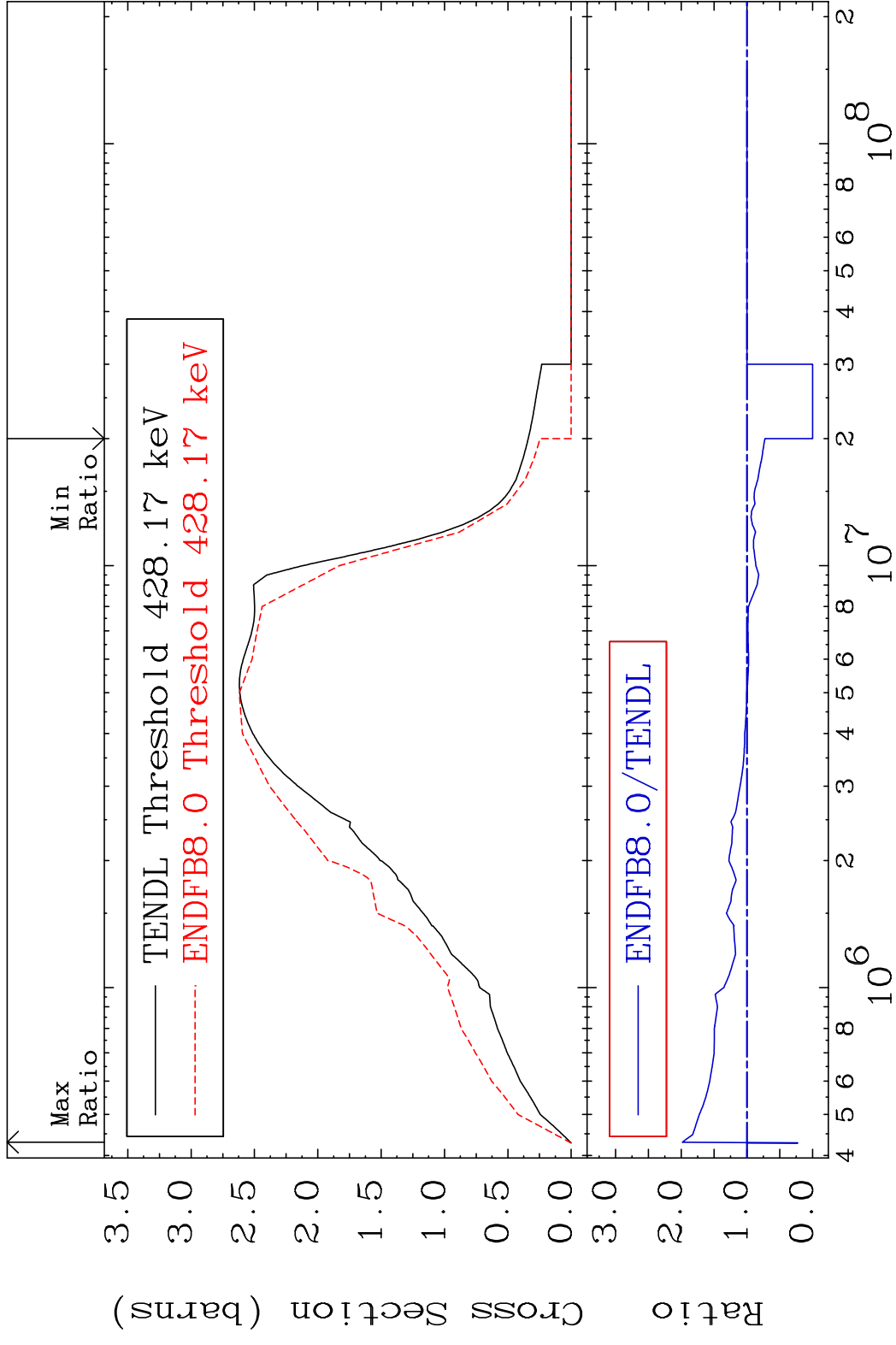


2

Incident Energy (eV)

80-Hg-196

MAT 8025 Inelastic 80-Hg-196
 Cross Section -100.0 To 98.20 %



3 Incident Energy (eV) 80-Hg-196

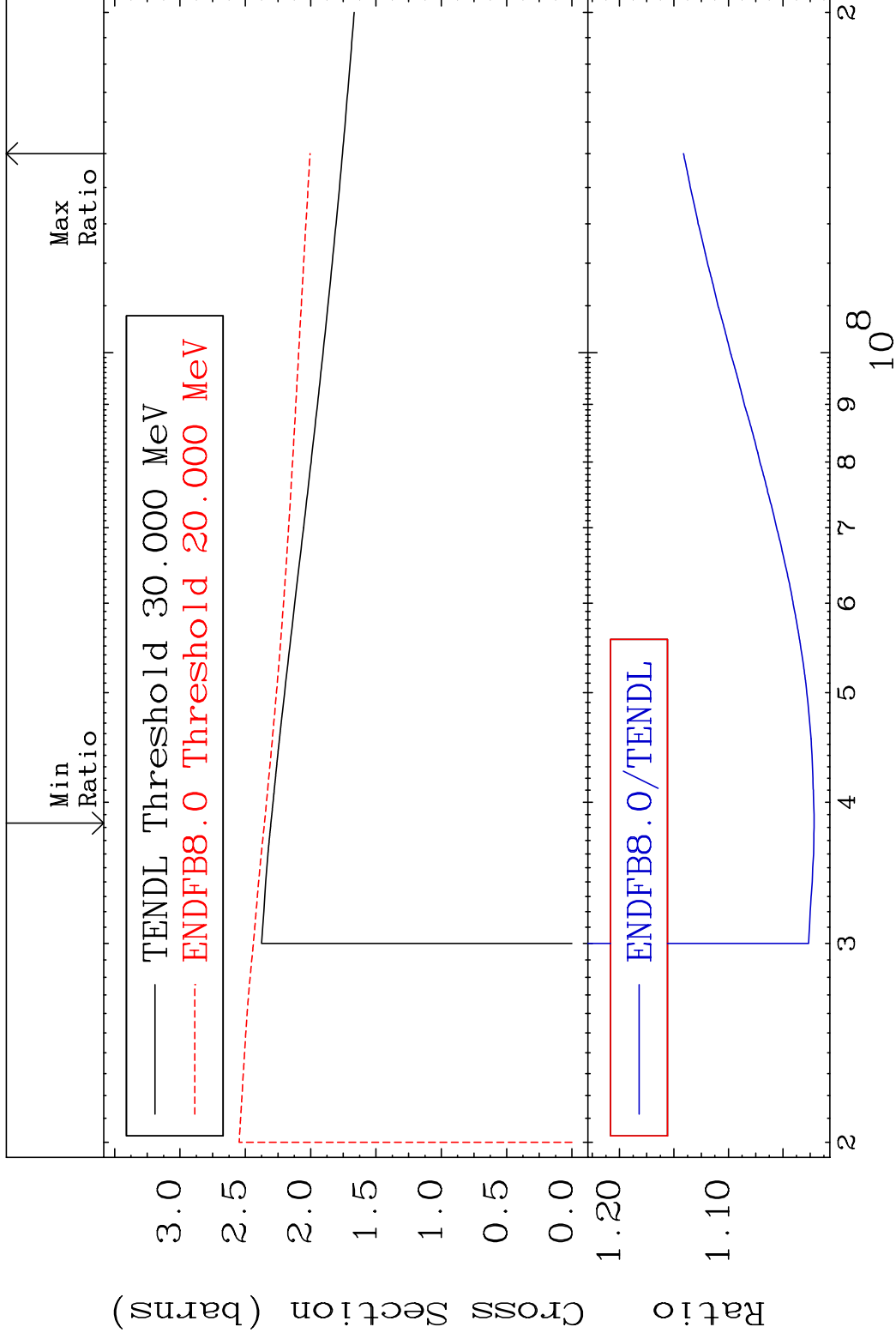
MAT 8025

(n, remainder)

80-Hg-196

Cross Section 2.148

To 14.13 %



4

Incident Energy (eV)

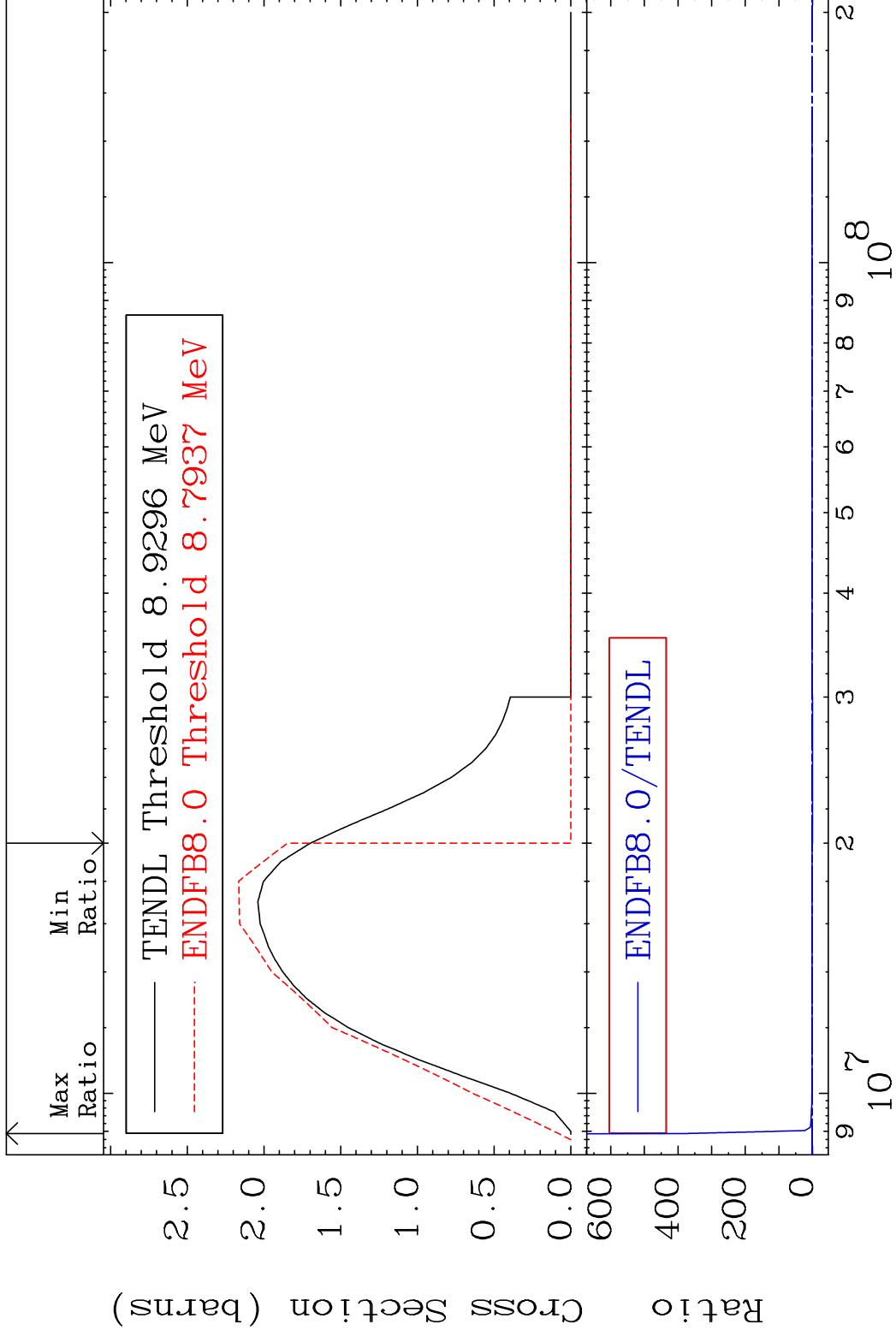
80-Hg-196

MAT 8025

(n,2n)

80-Hg-196

Cross Section -100.0 To 9999. %

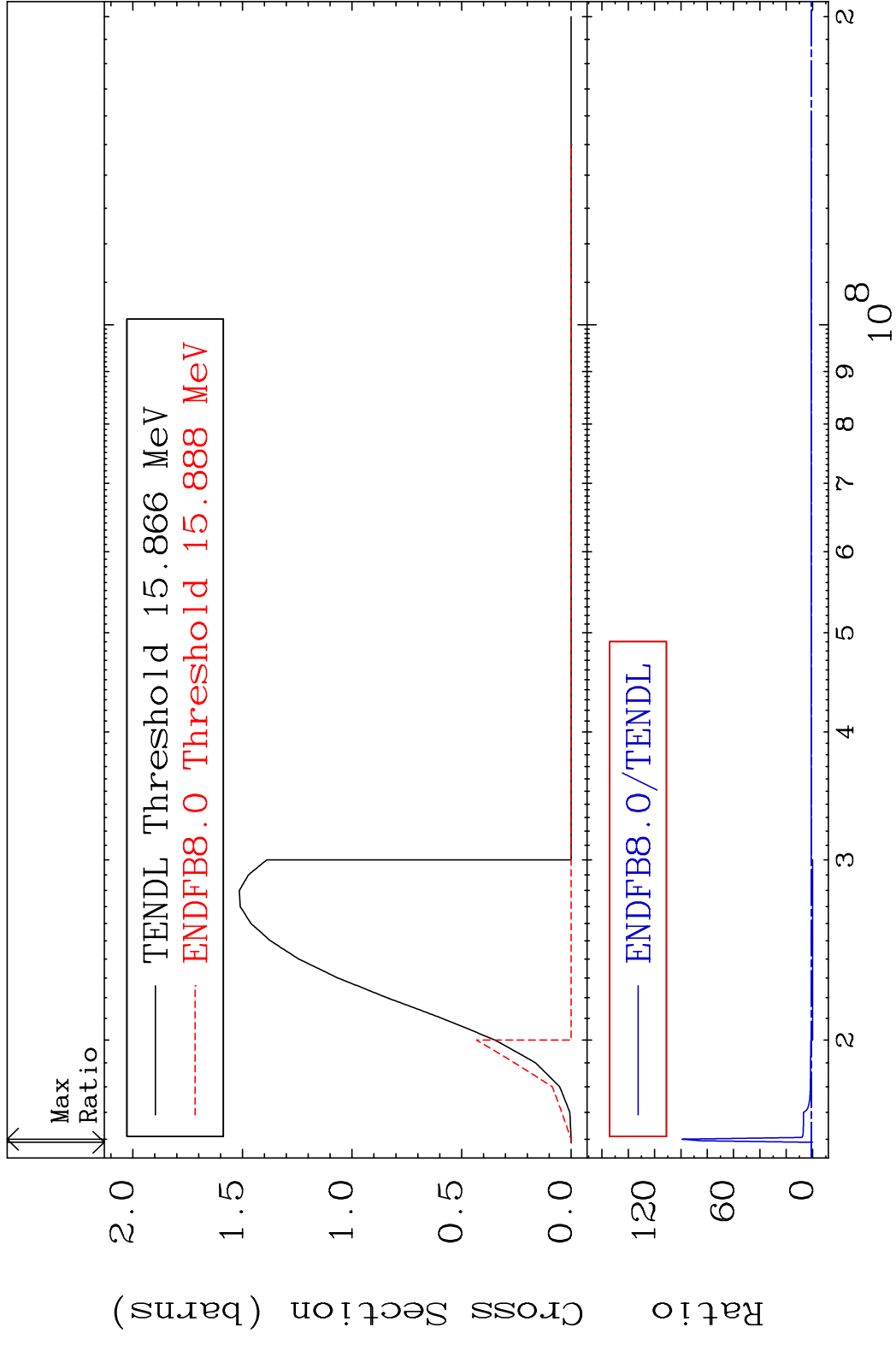


5

Incident Energy (eV)

80-Hg-196

MAT 8025 (n,3n) 80-Hg-196
 Cross Section -100.0 To 9791. %

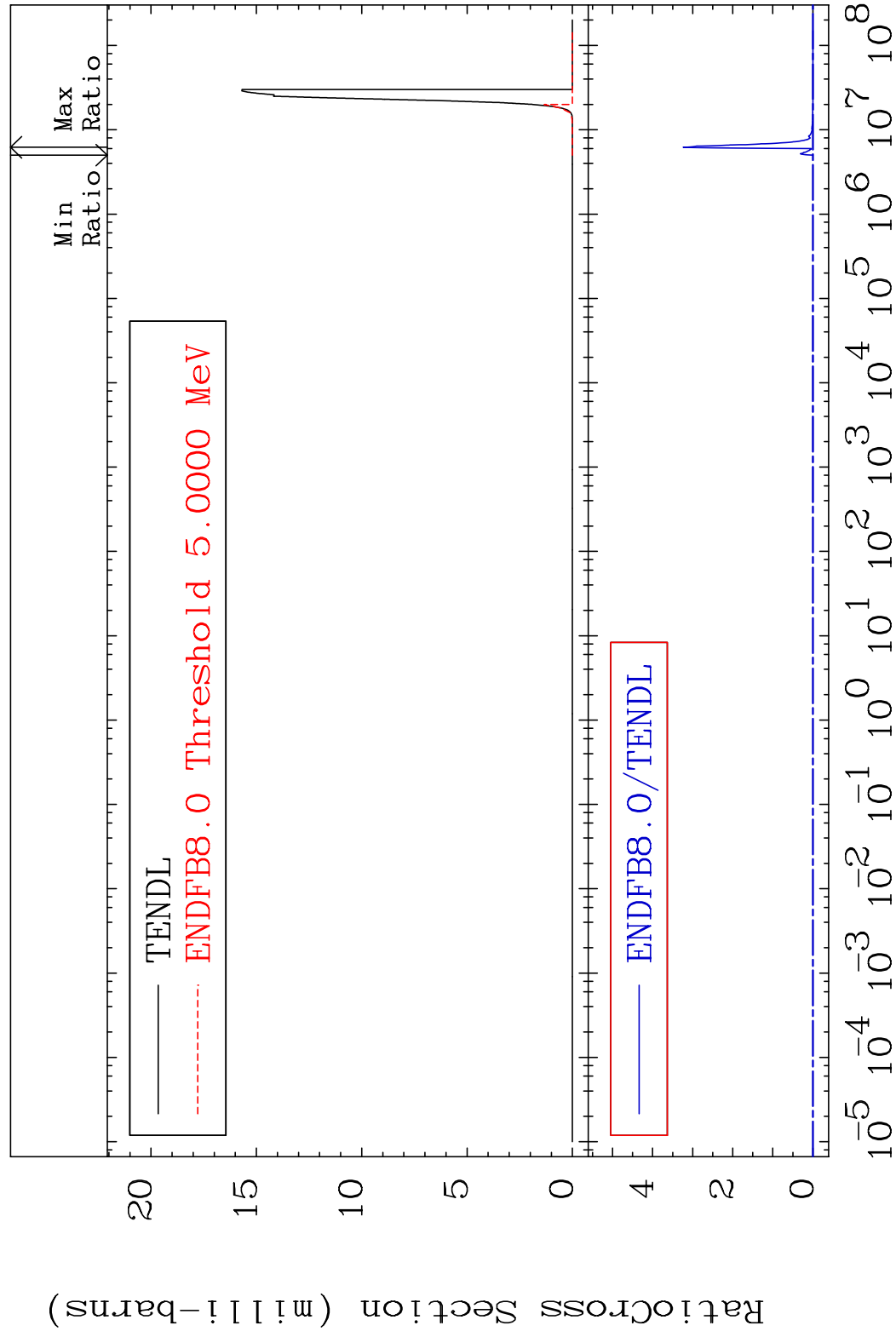


MAT 8025

(n, n') α

80-Hg-196

Cross Section -100.0 To 9999. %

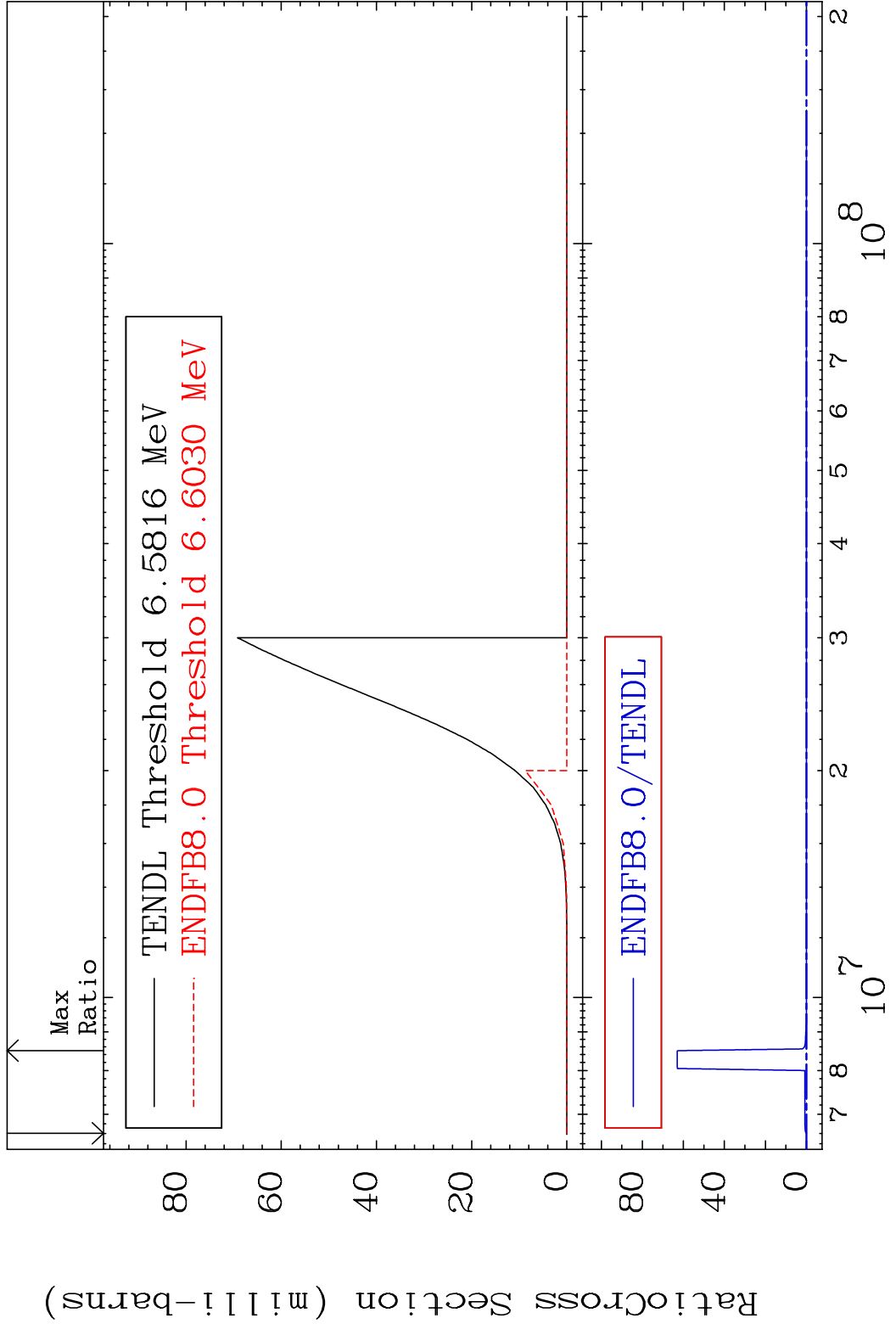


7

Incident Energy (eV)

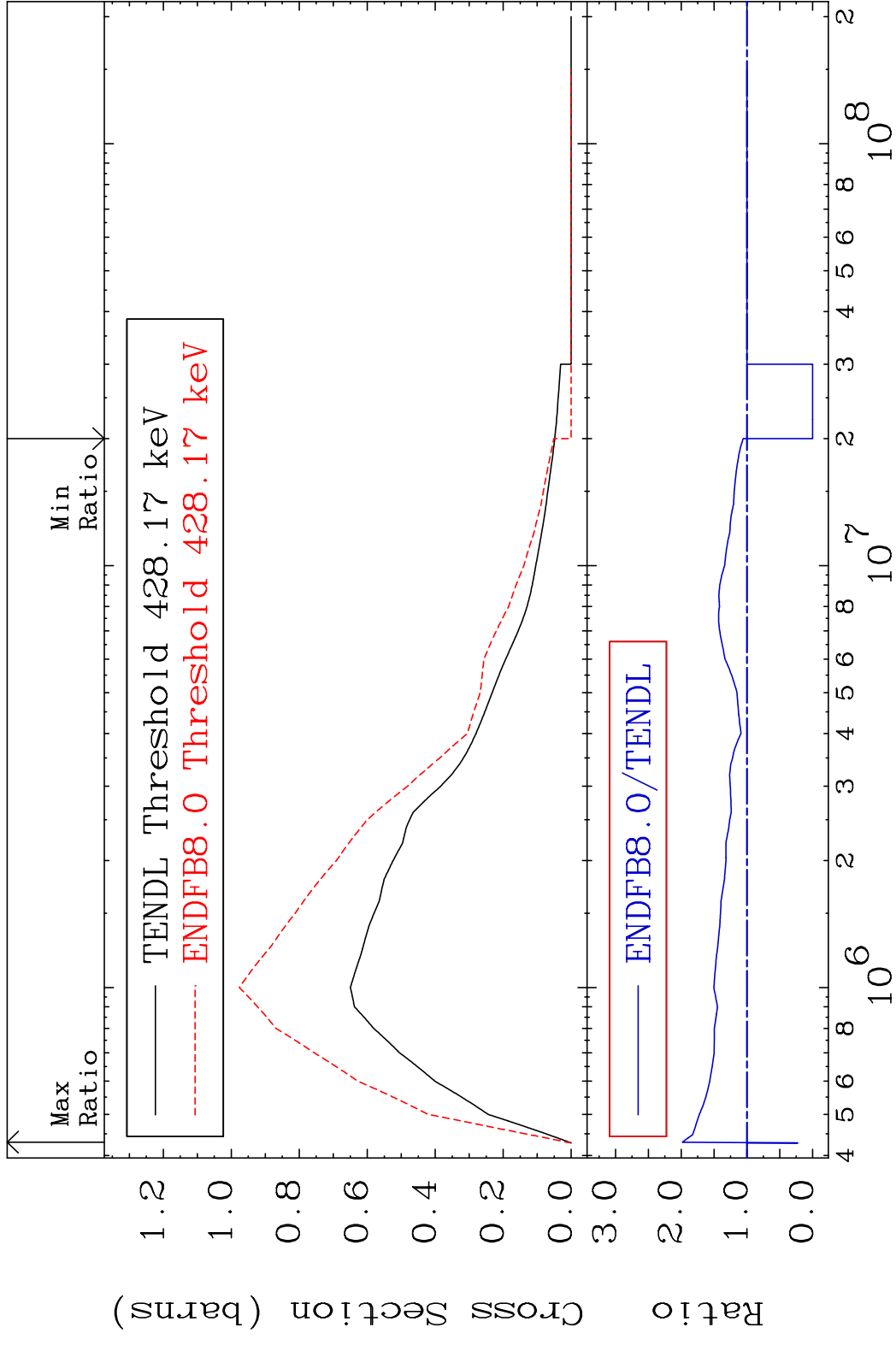
80-Hg-196

MAT 8025 (n,n') p 80-Hg-196
Cross Section -100.0 To 9999. %

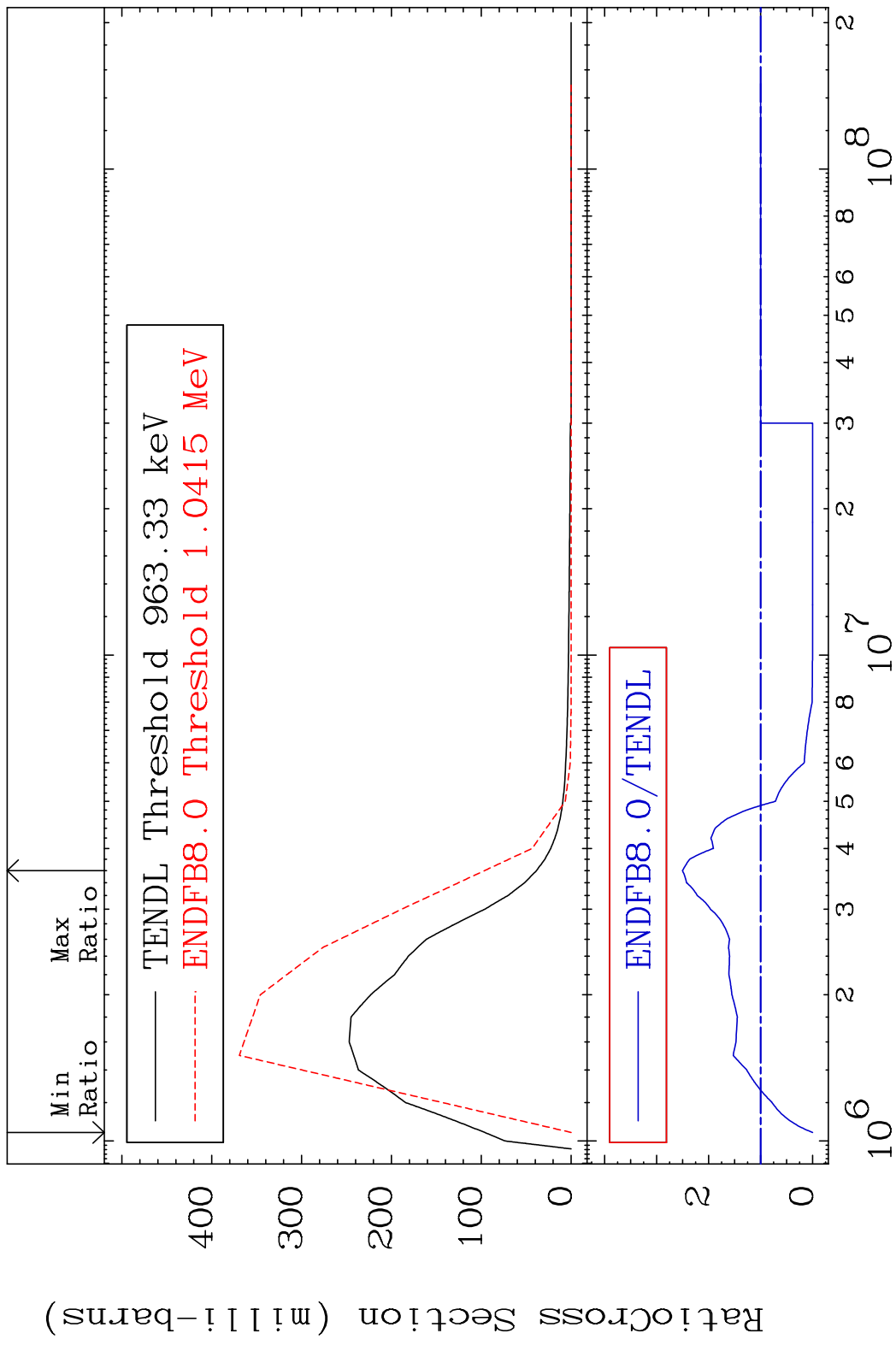


8 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 80-Hg-196

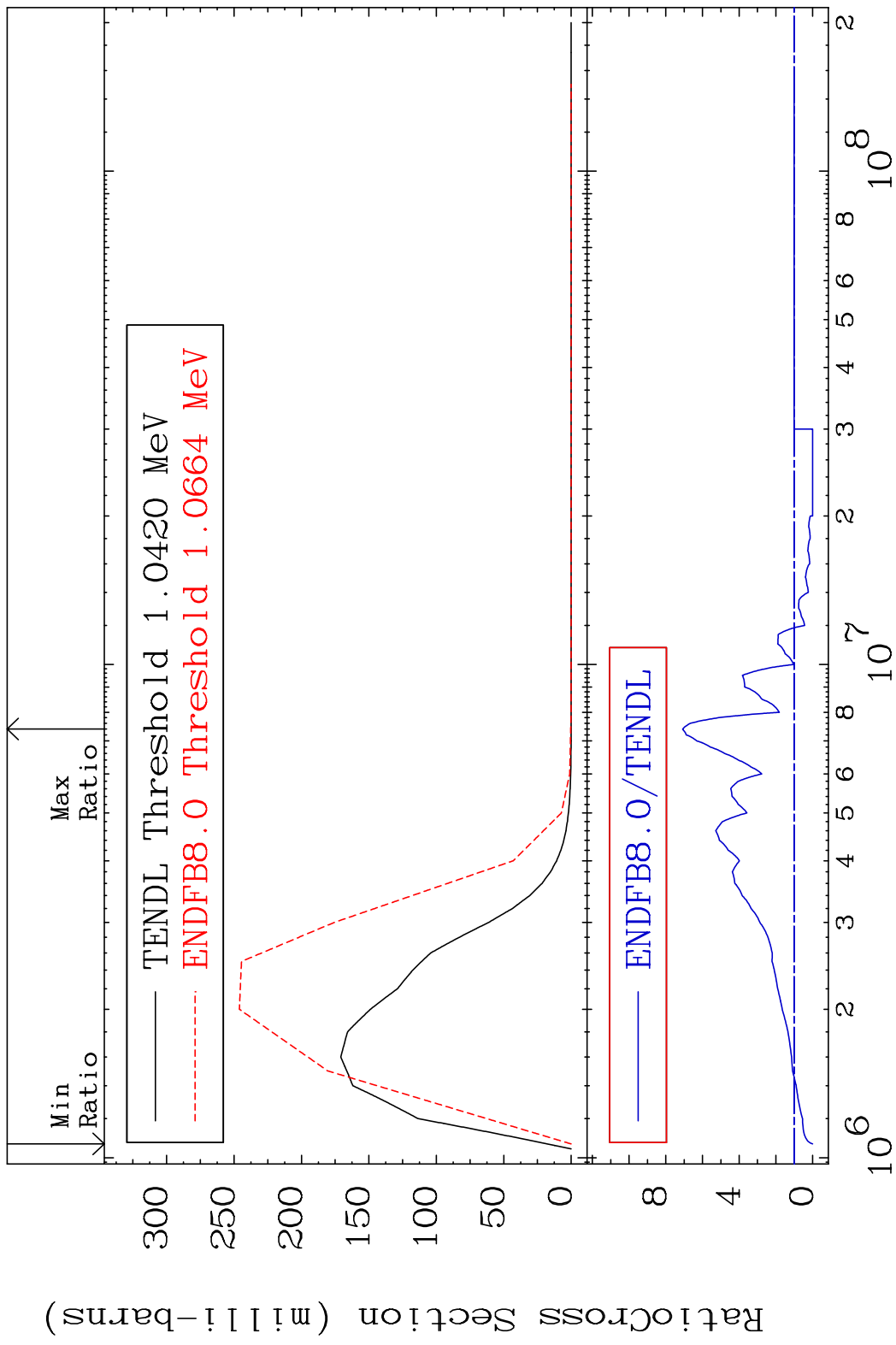
MAT 8025 MT= 51 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 98.20 %



MAT 8025 MT= 52 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 150.4 %

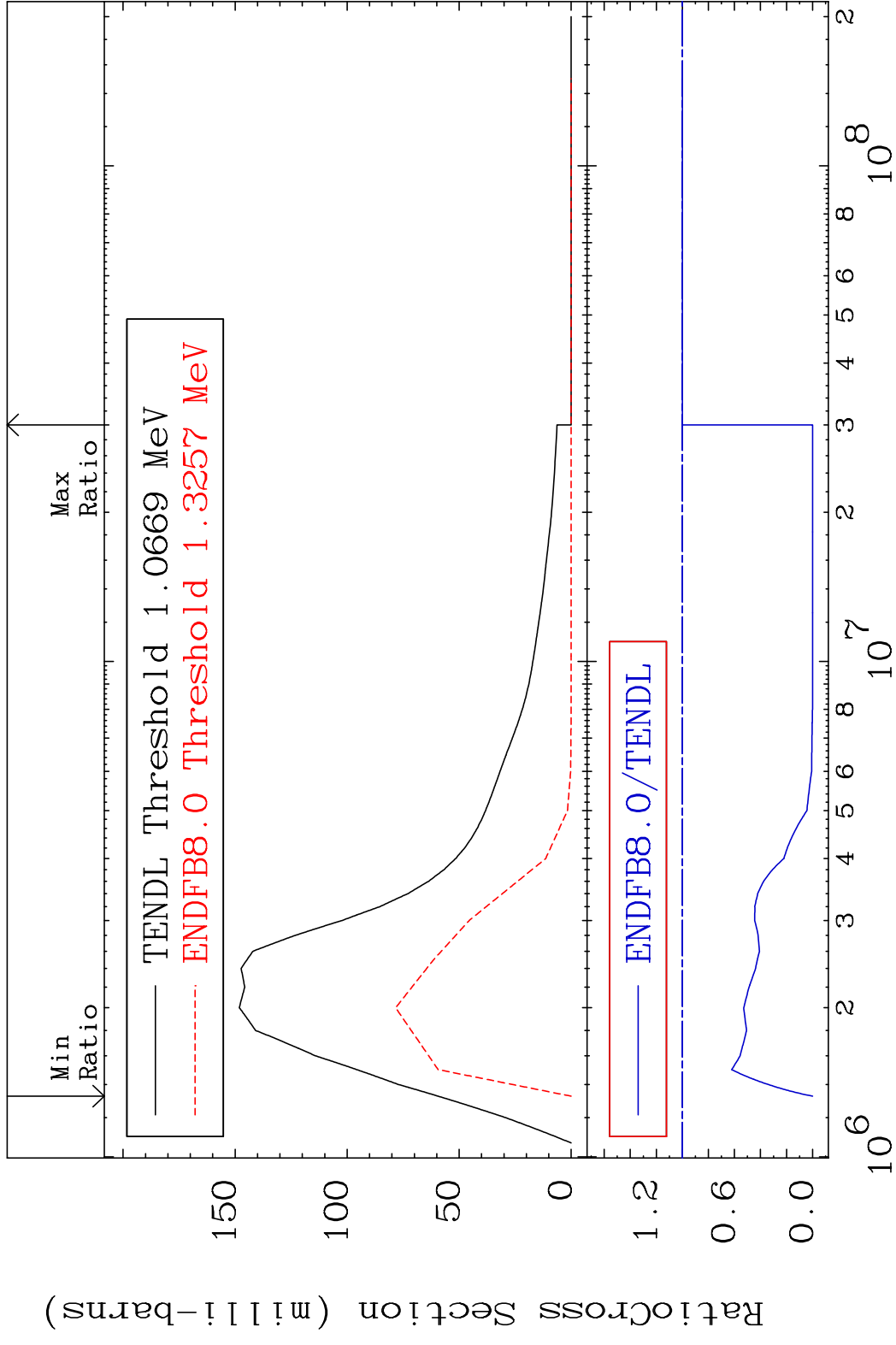


MAT 8025 MT= 53 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 609.7 %



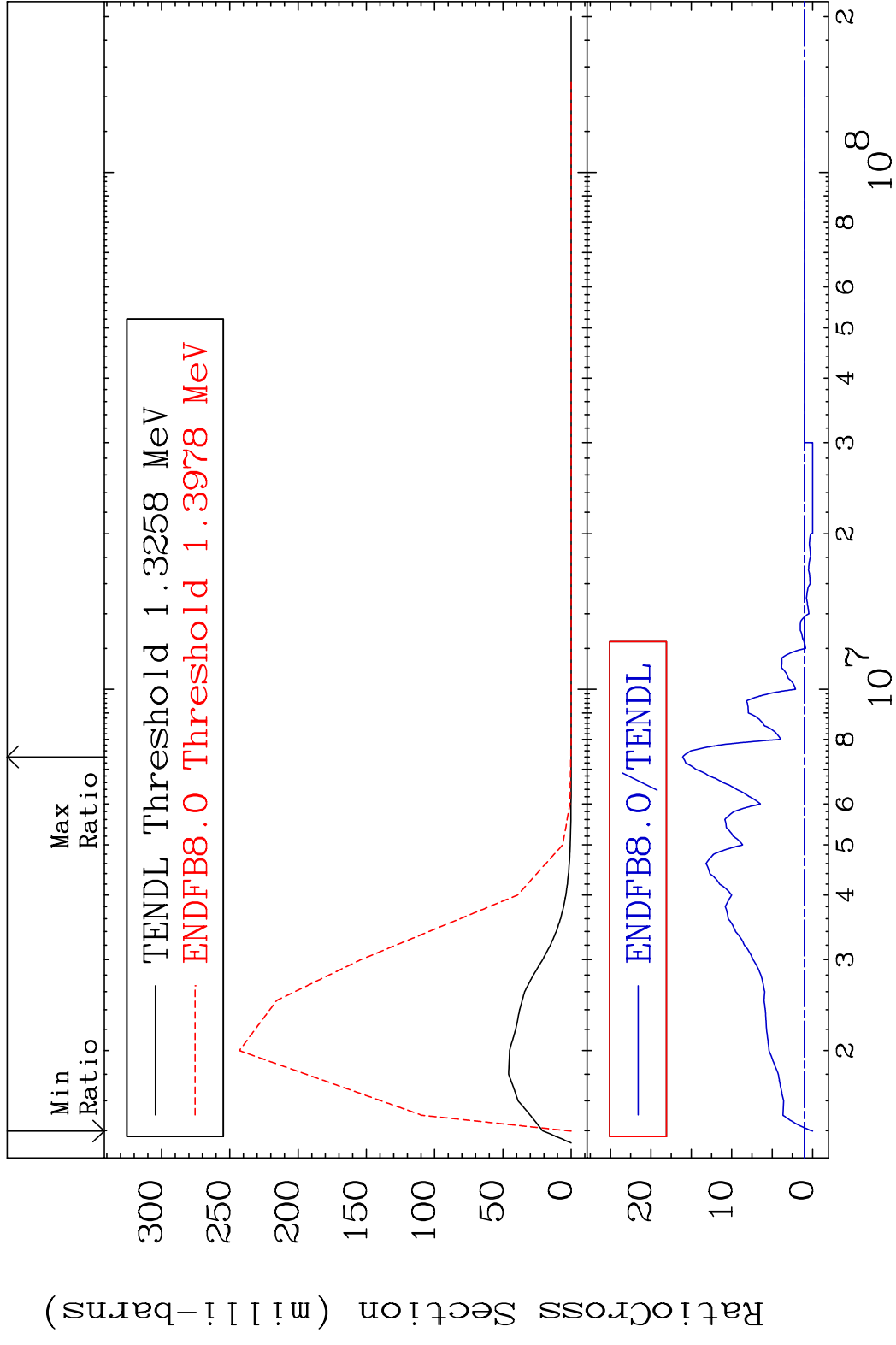
11 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 54 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 0.000 %

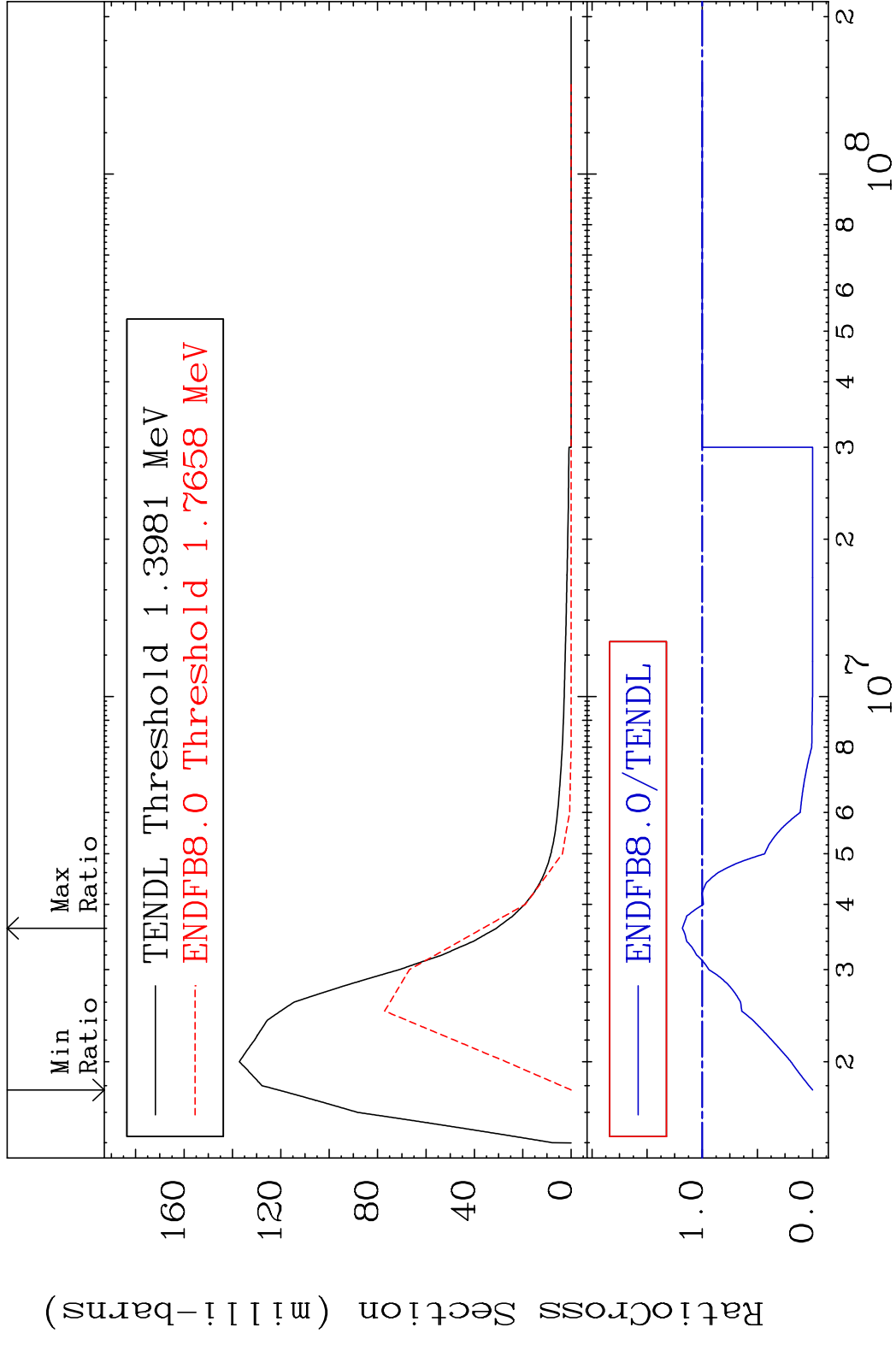


12 Incident Energy (eV) 80-Hg-196

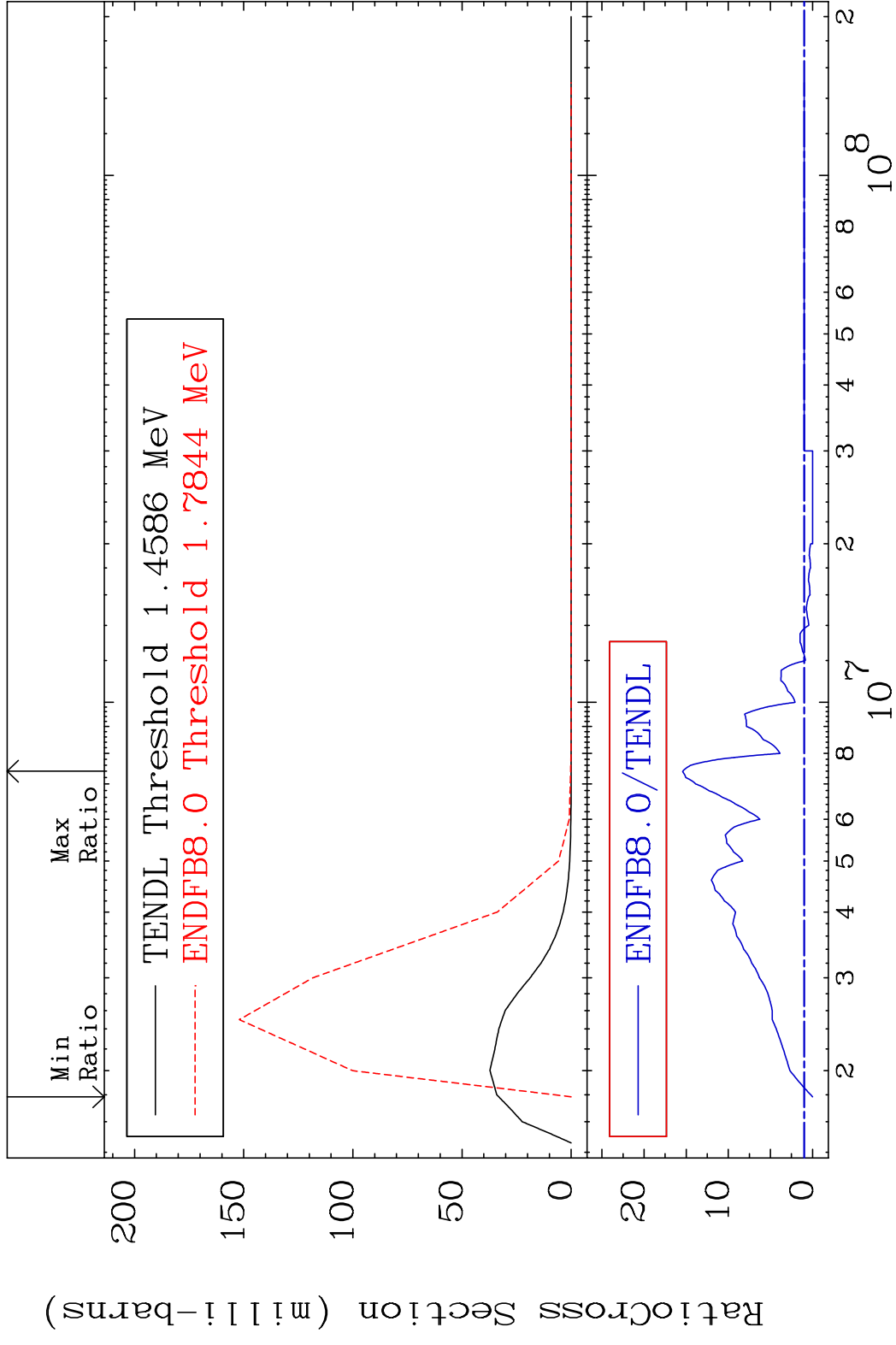
MAT 8025 MT= 55 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 1511. %



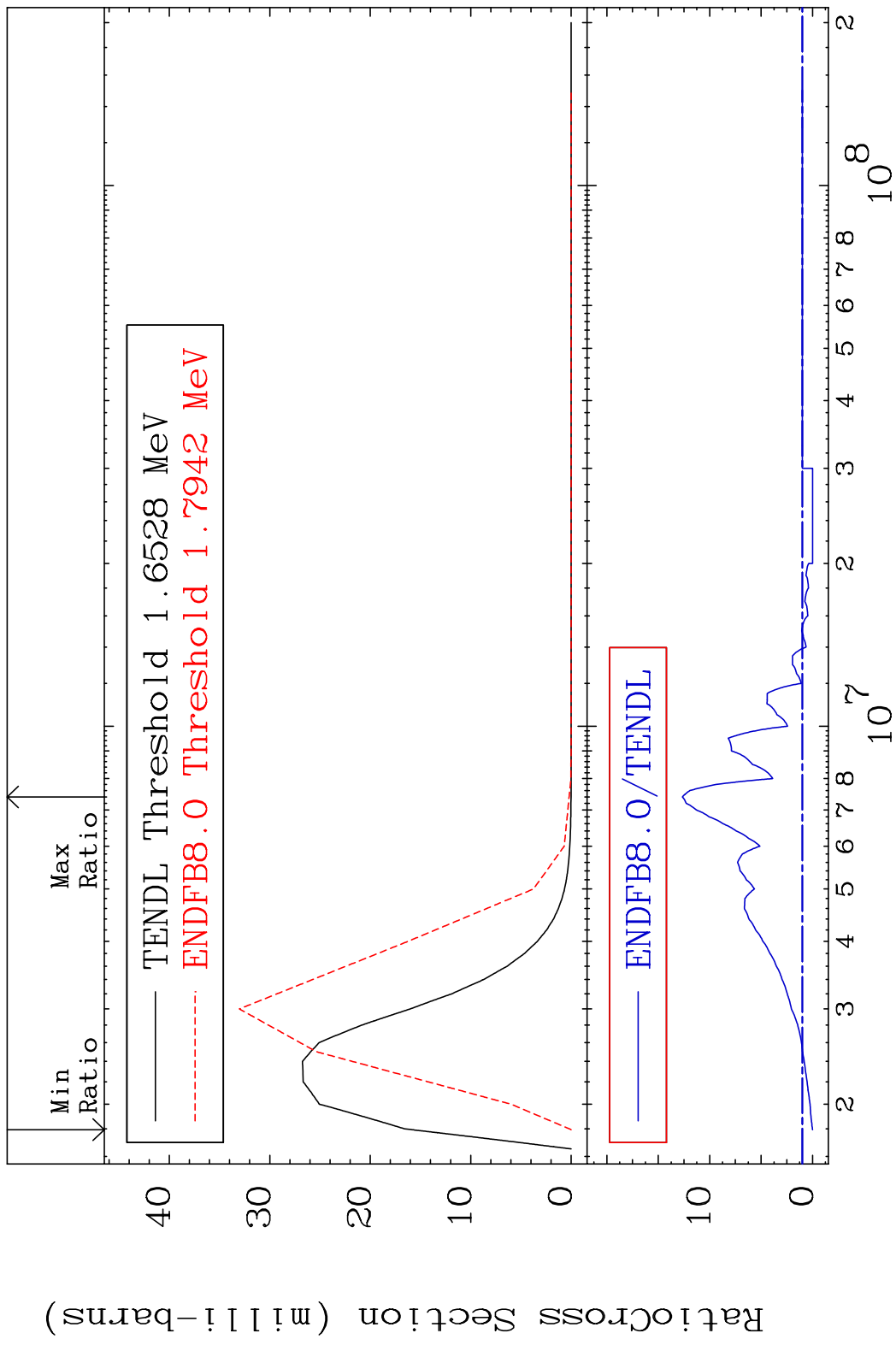
MAT 8025 MT= 56 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 18.06 %



MAT 8025 MT= 57 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 1445. %

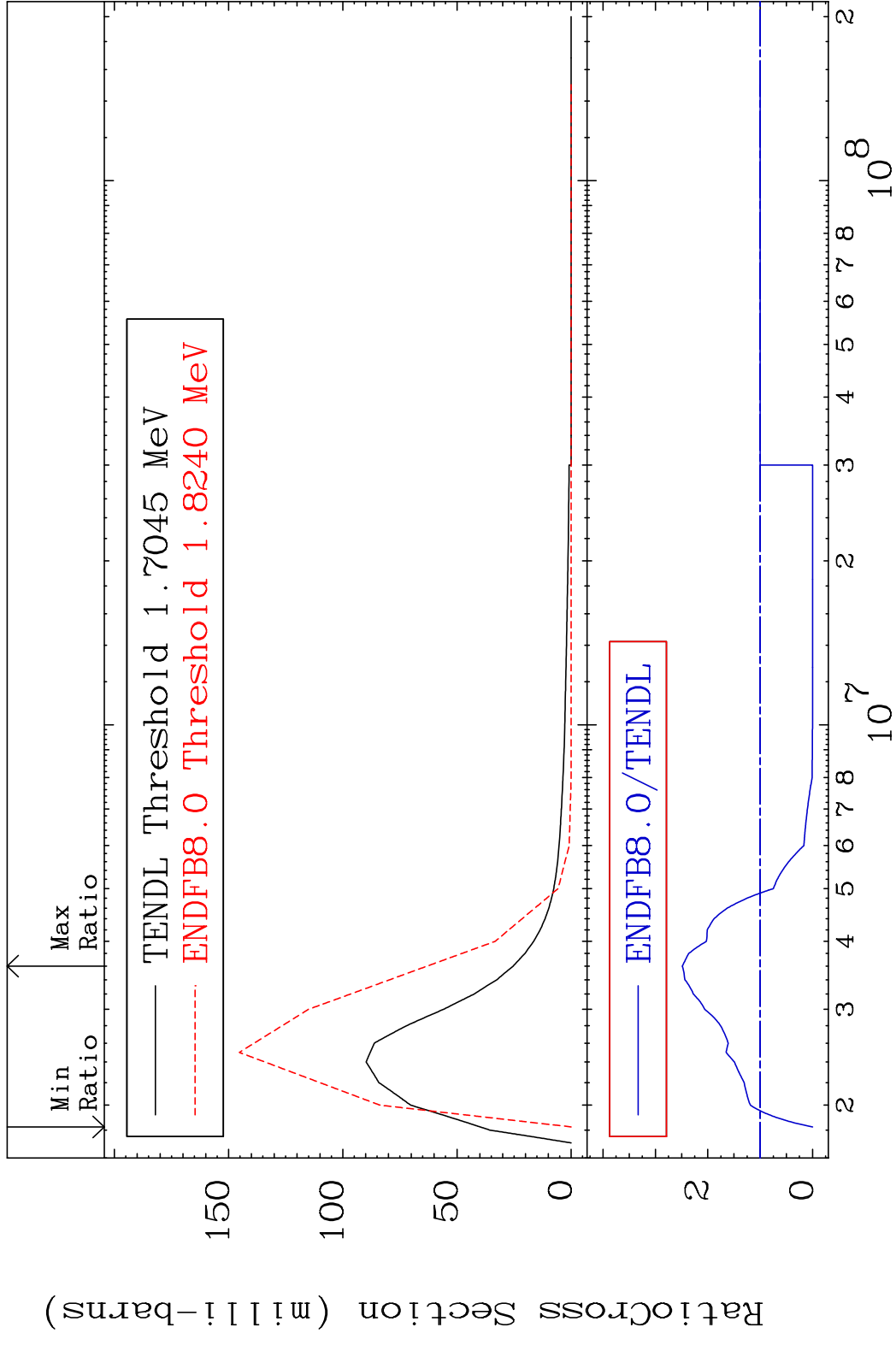


MAT 8025 MT= 58 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 1166. %



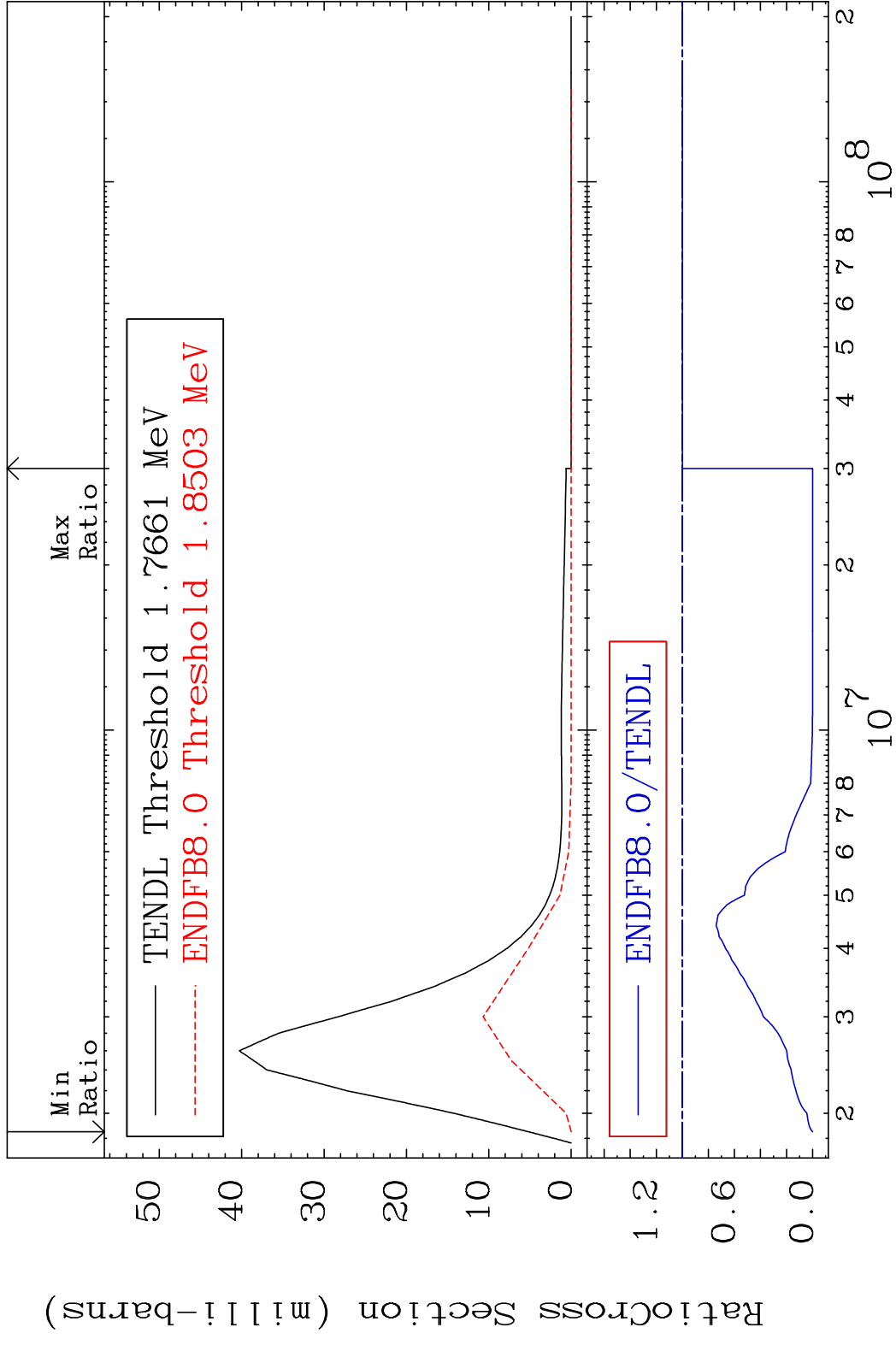
16 80-Hg-196

MAT 8025 MT= 59 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 148.6 %

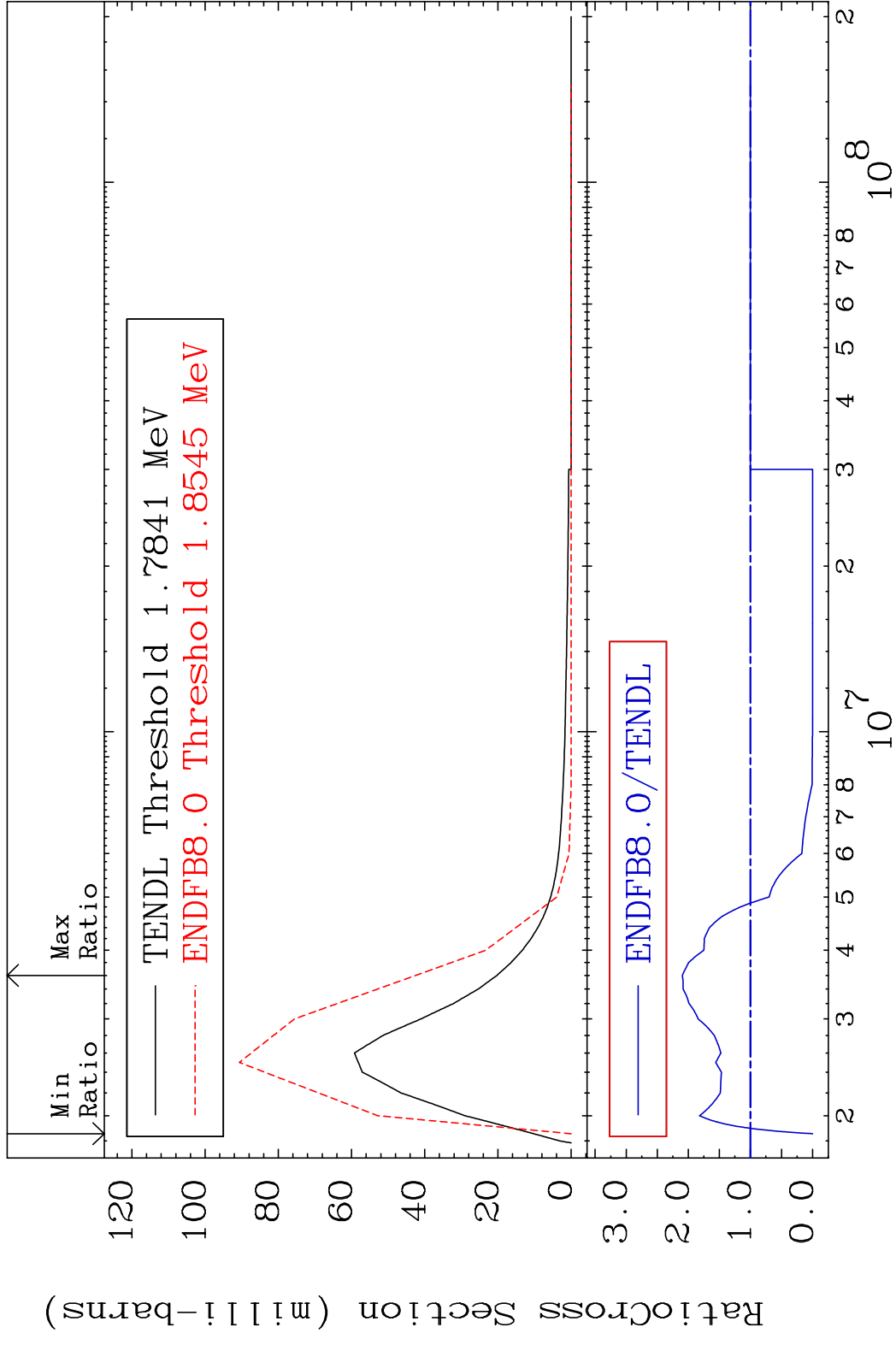


17 17 Incident Energy (eV) 80-Hg-196

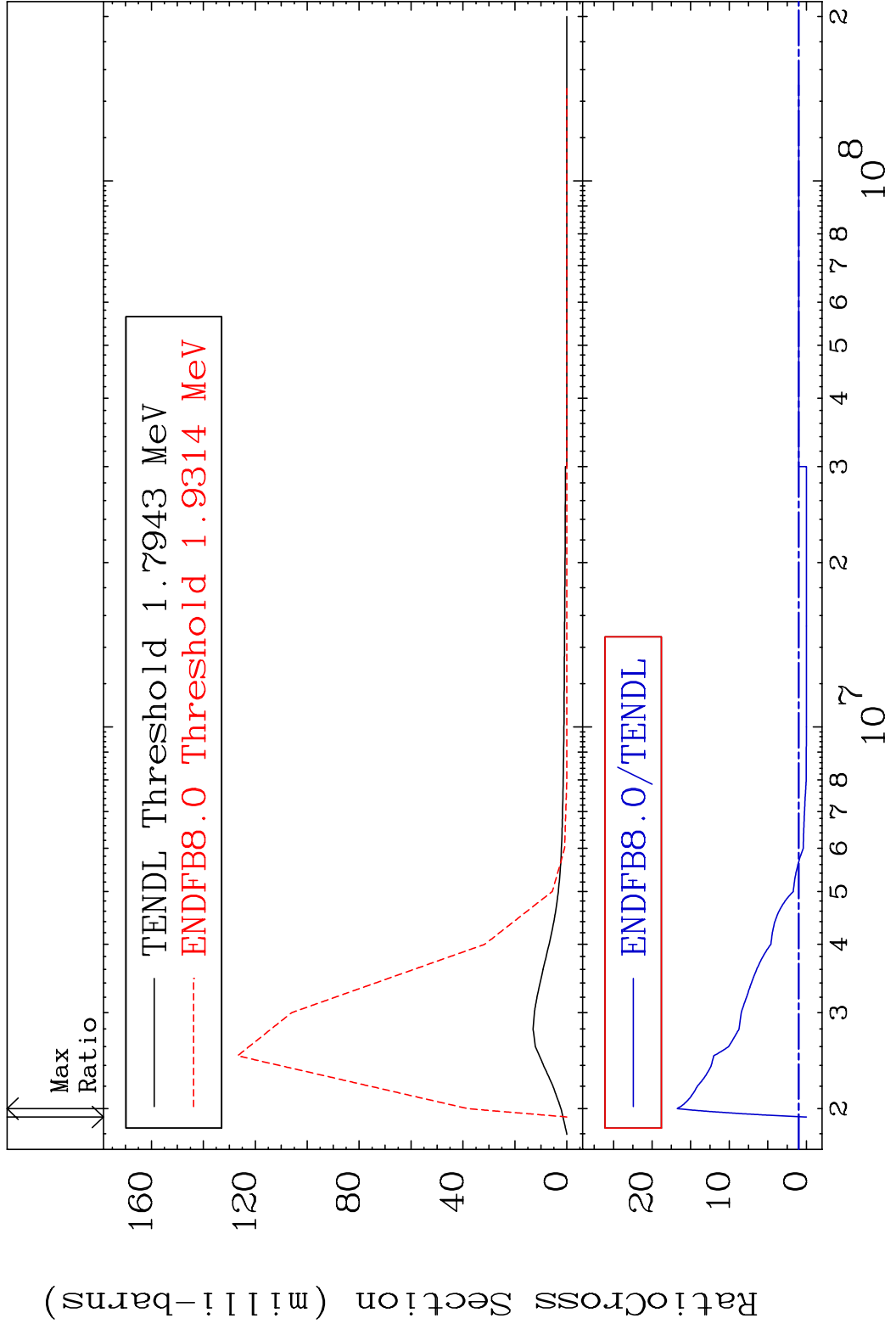
MAT 8025 MT= 60 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 0.000 %



MAT 8025 MT= 61 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 109.6 %

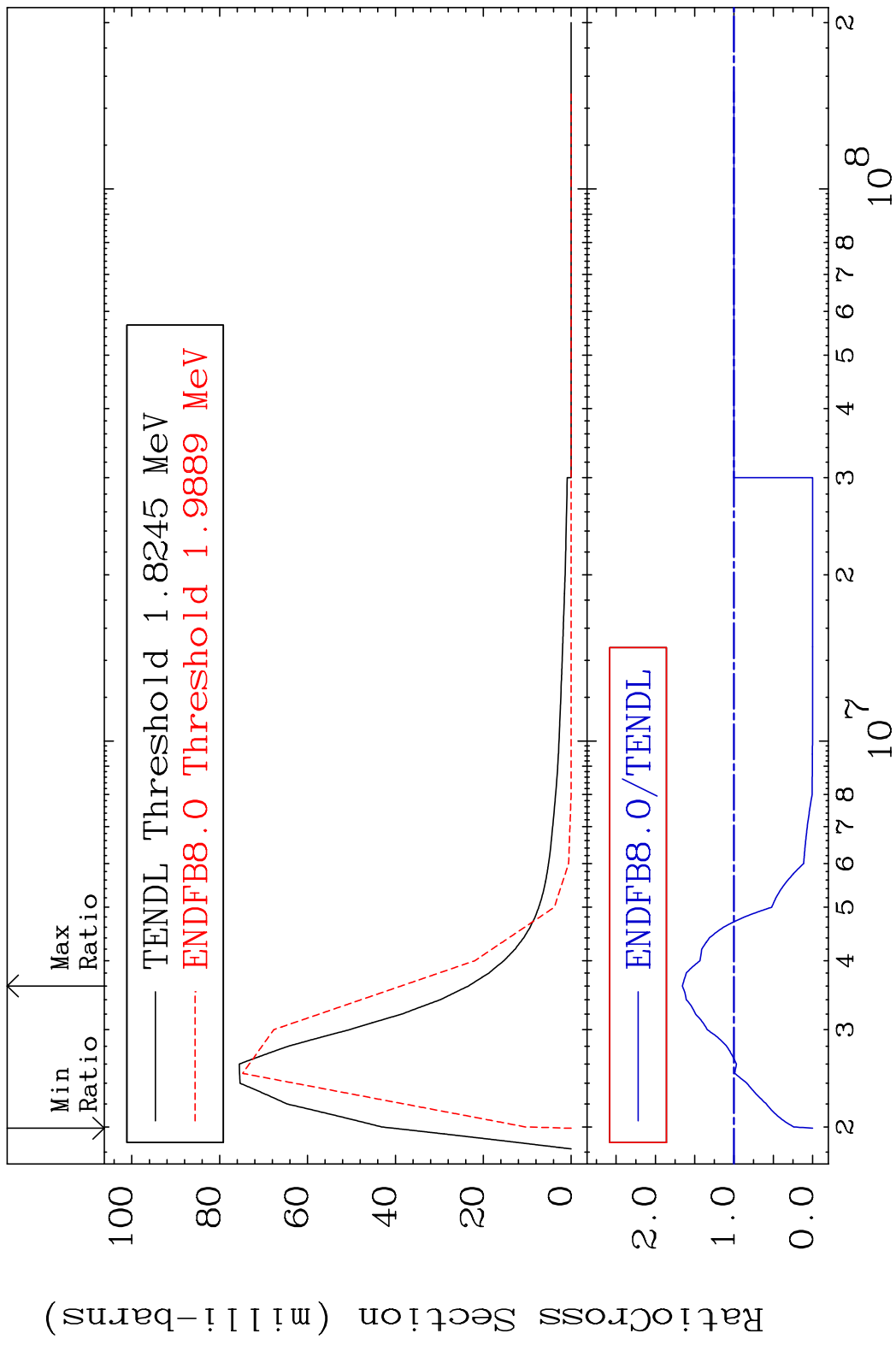


MAT 8025 MT= 62 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 1575. %

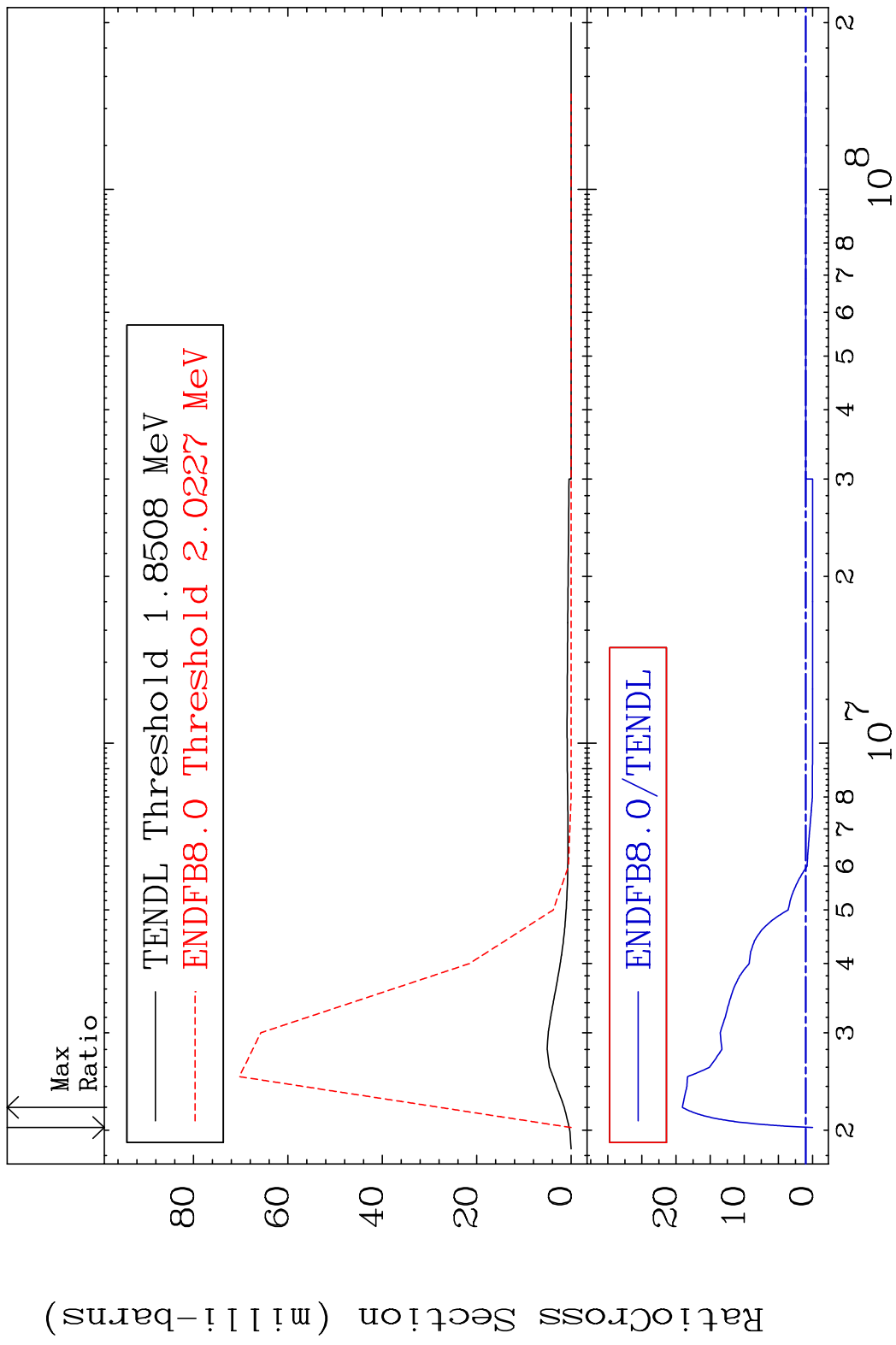


20 80-Hg-196

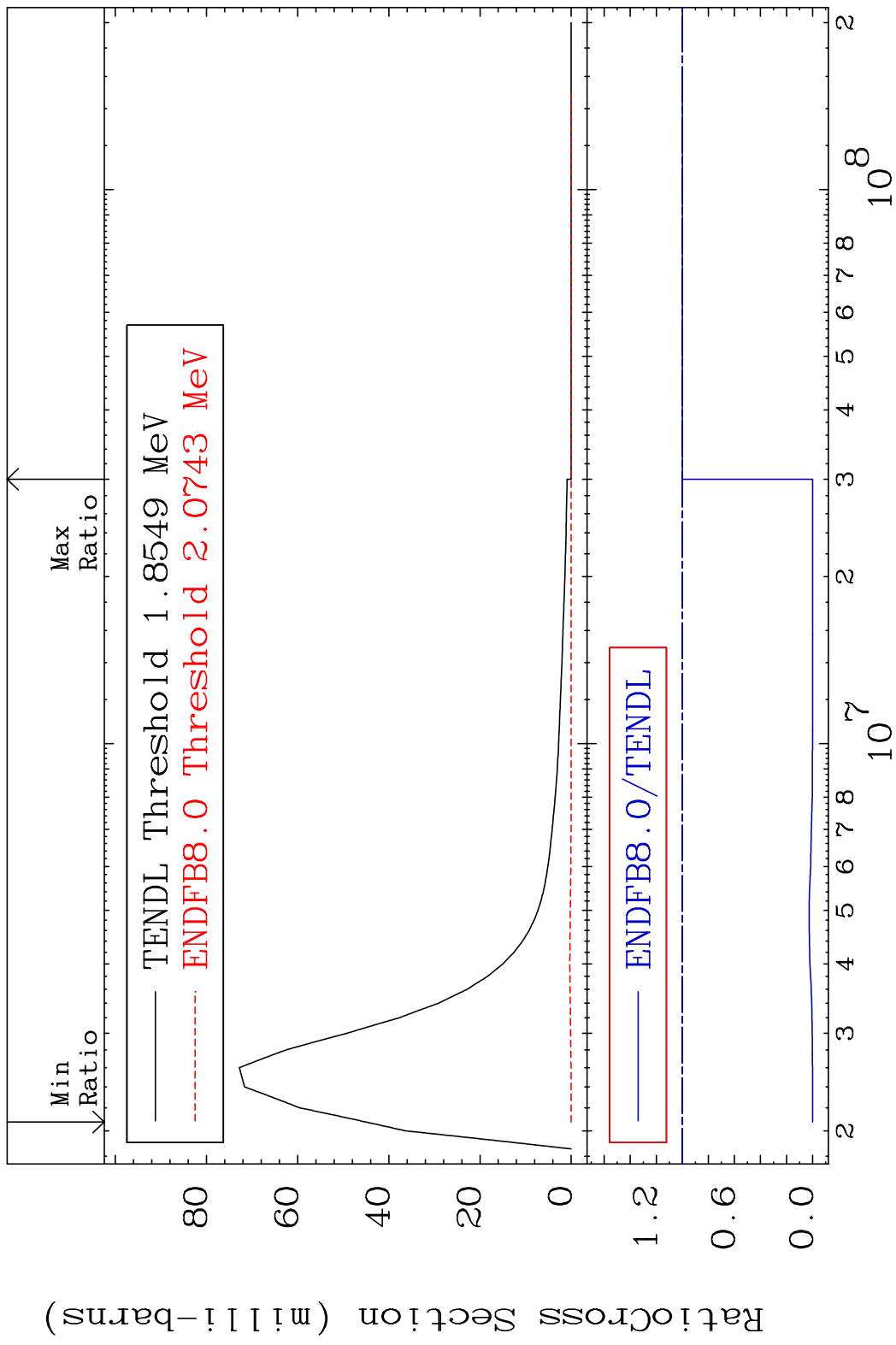
MAT 8025 MT= 63 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 65.71 %



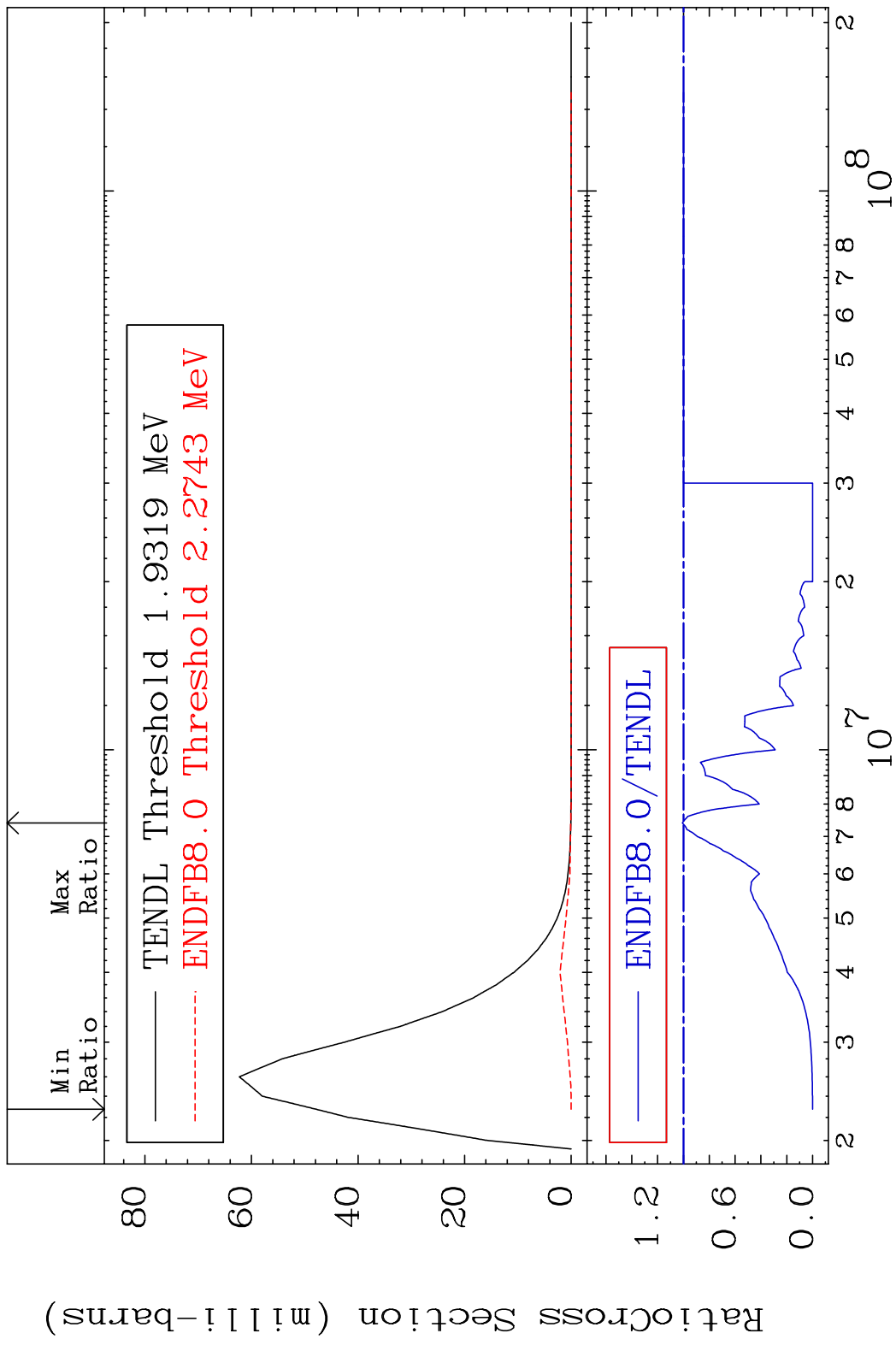
MAT 8025 MT= 64 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 1807. %



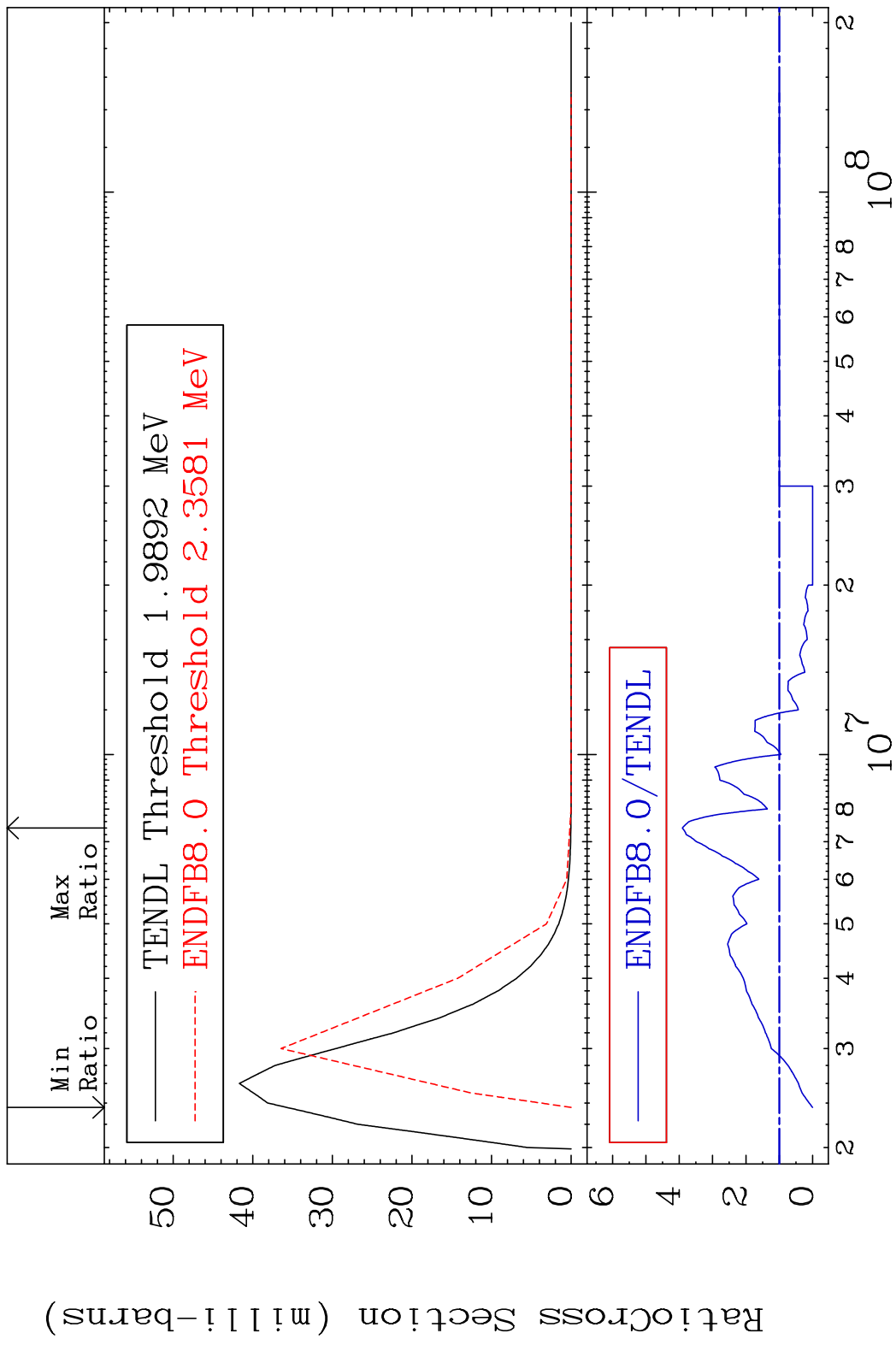
MAT 8025 MT= 65 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 0.000 %



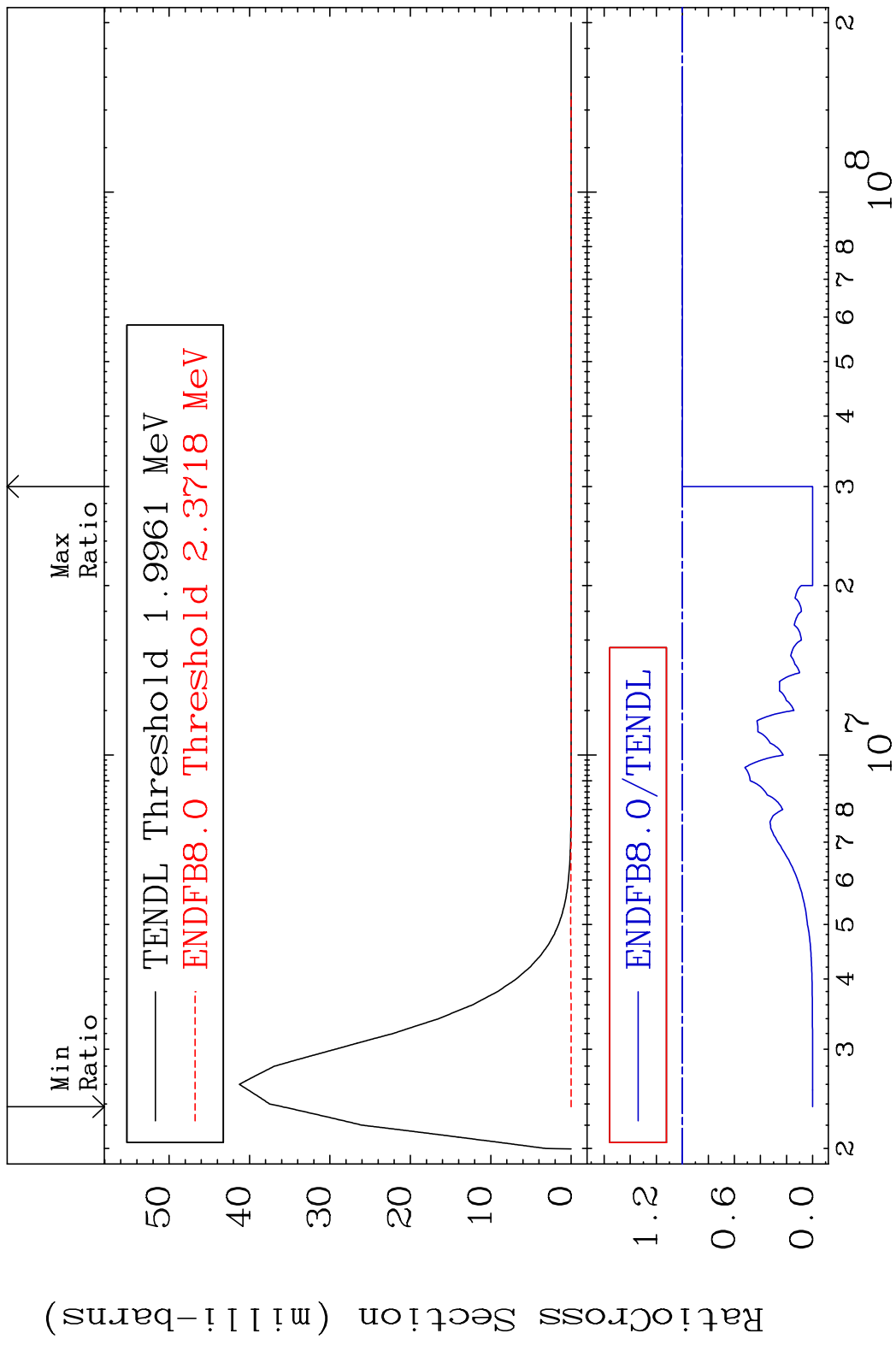
MAT 8025 MT= 66 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 0.838 %



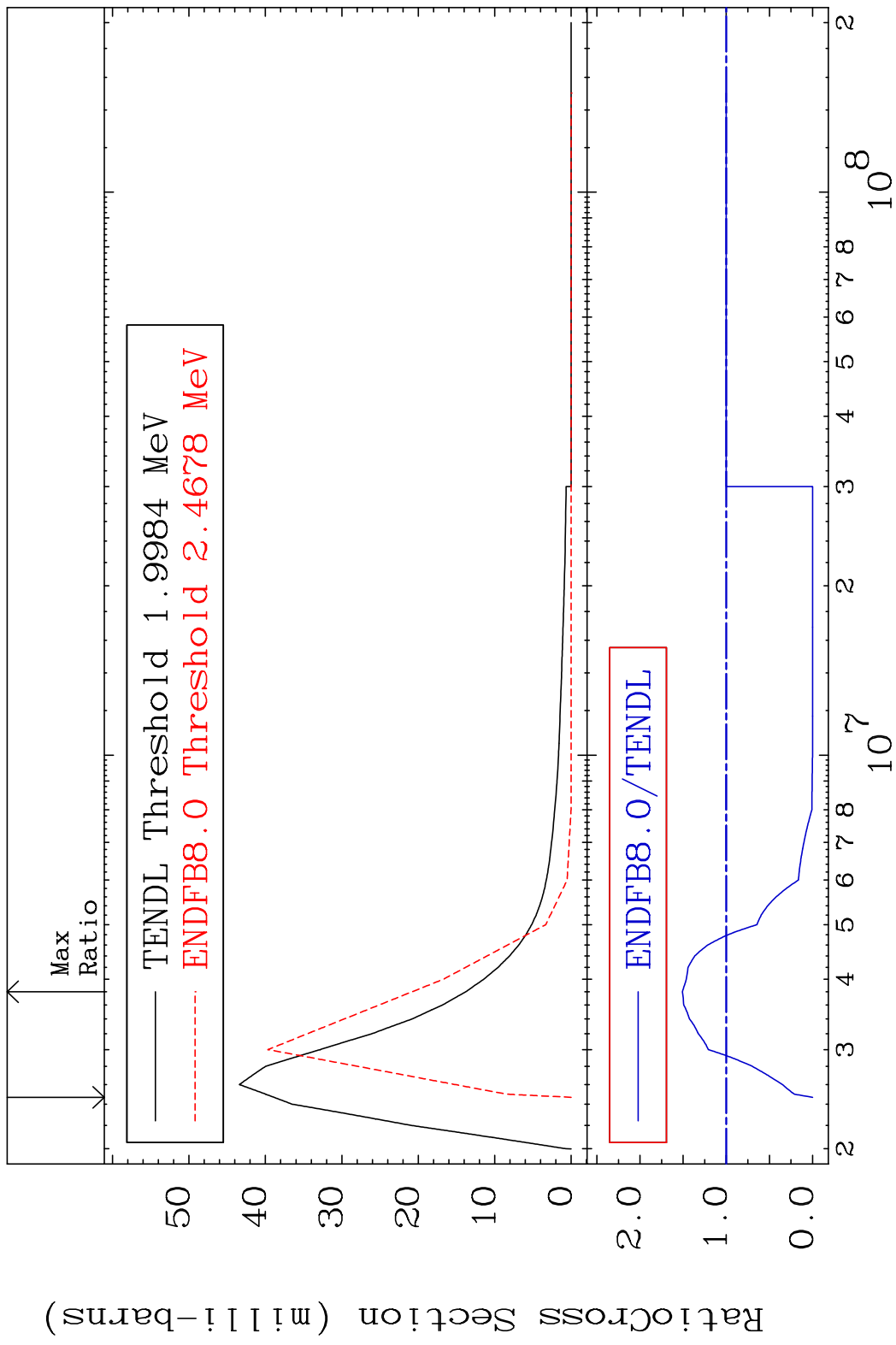
MAT 8025 MT= 67 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 290.7 %



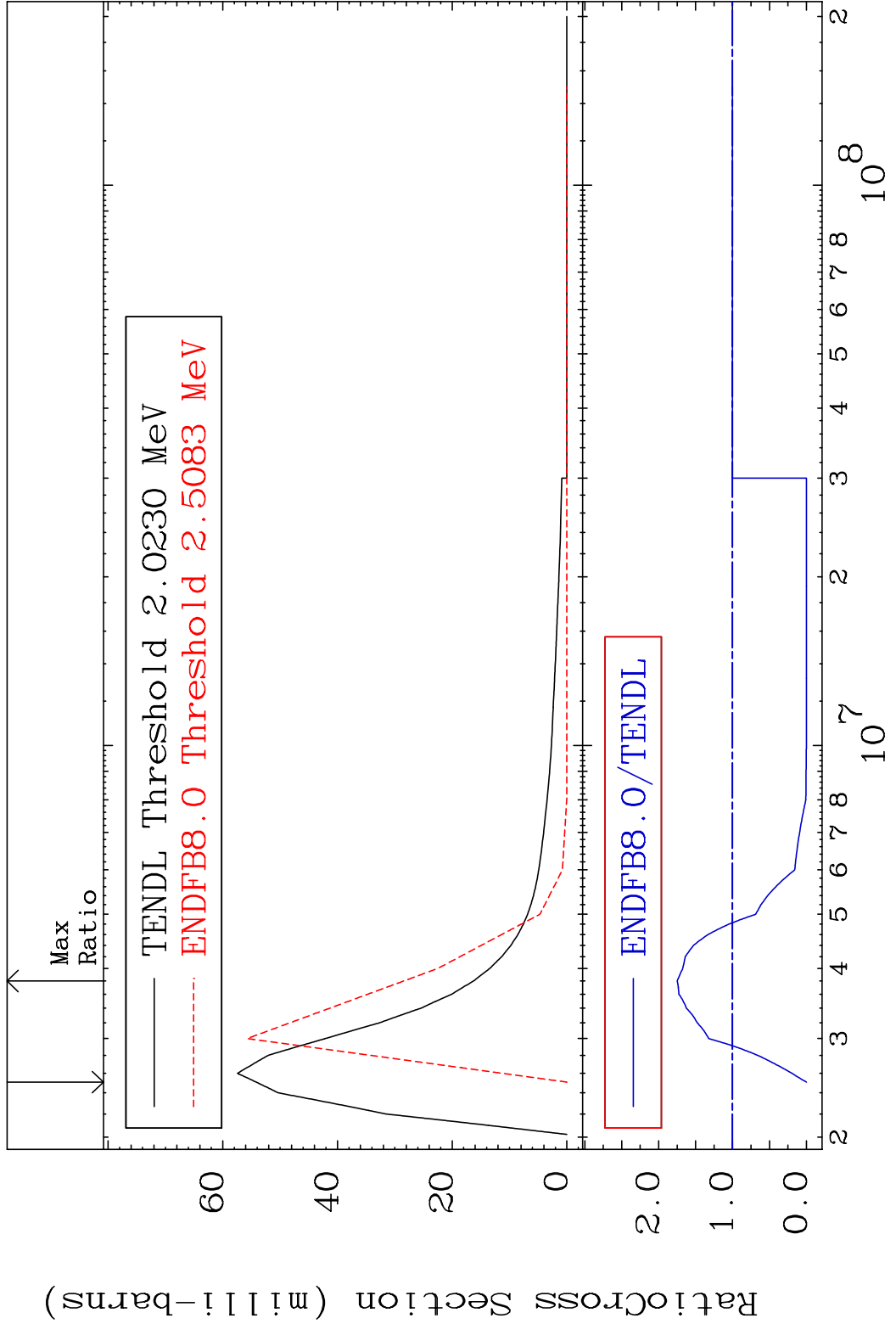
MAT 8025 MT= 68 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 0.000 %



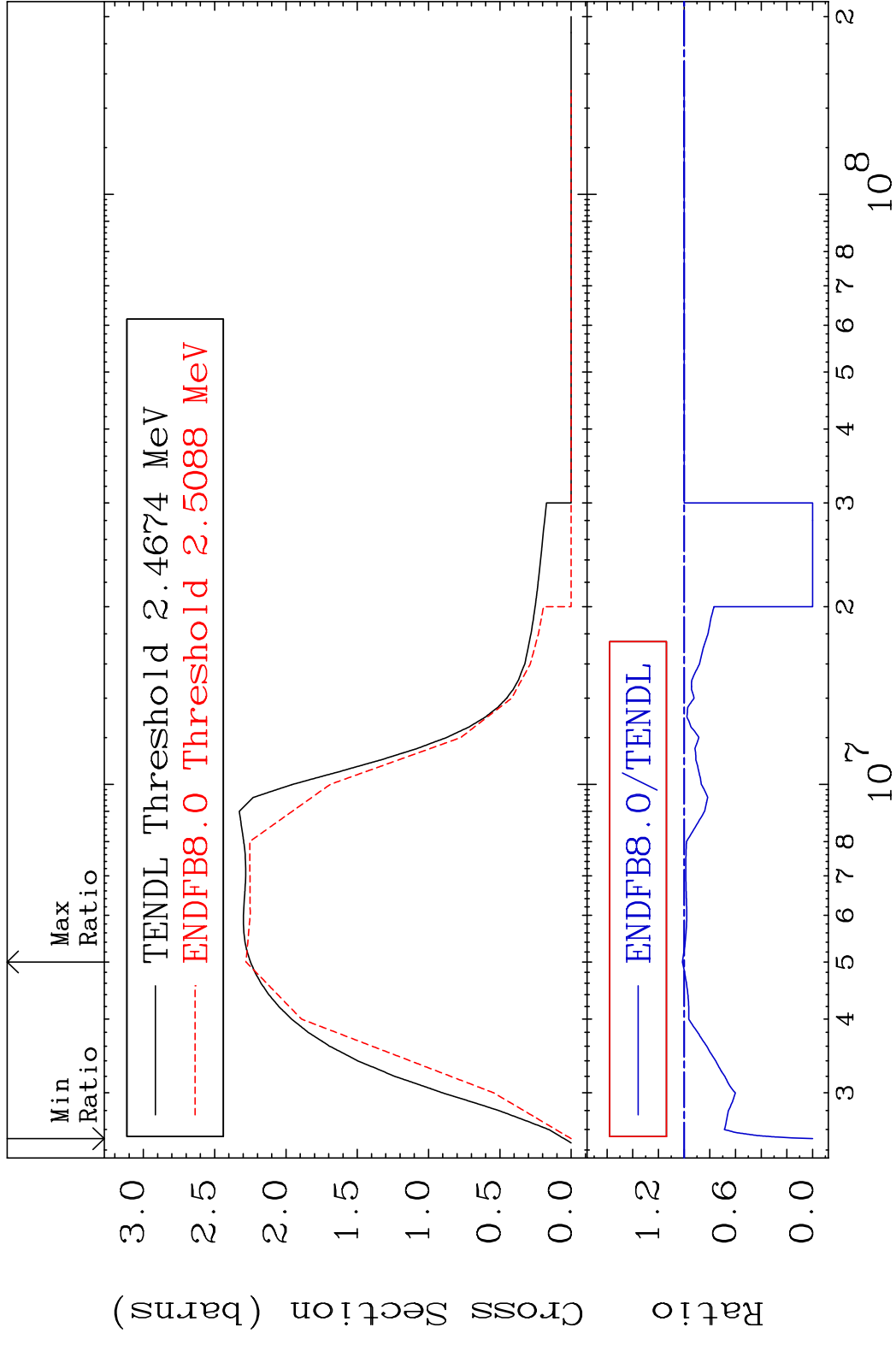
MAT 8025 MT= 69 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 50.92 %



MAT 8025 MT= 70 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 74.94 %

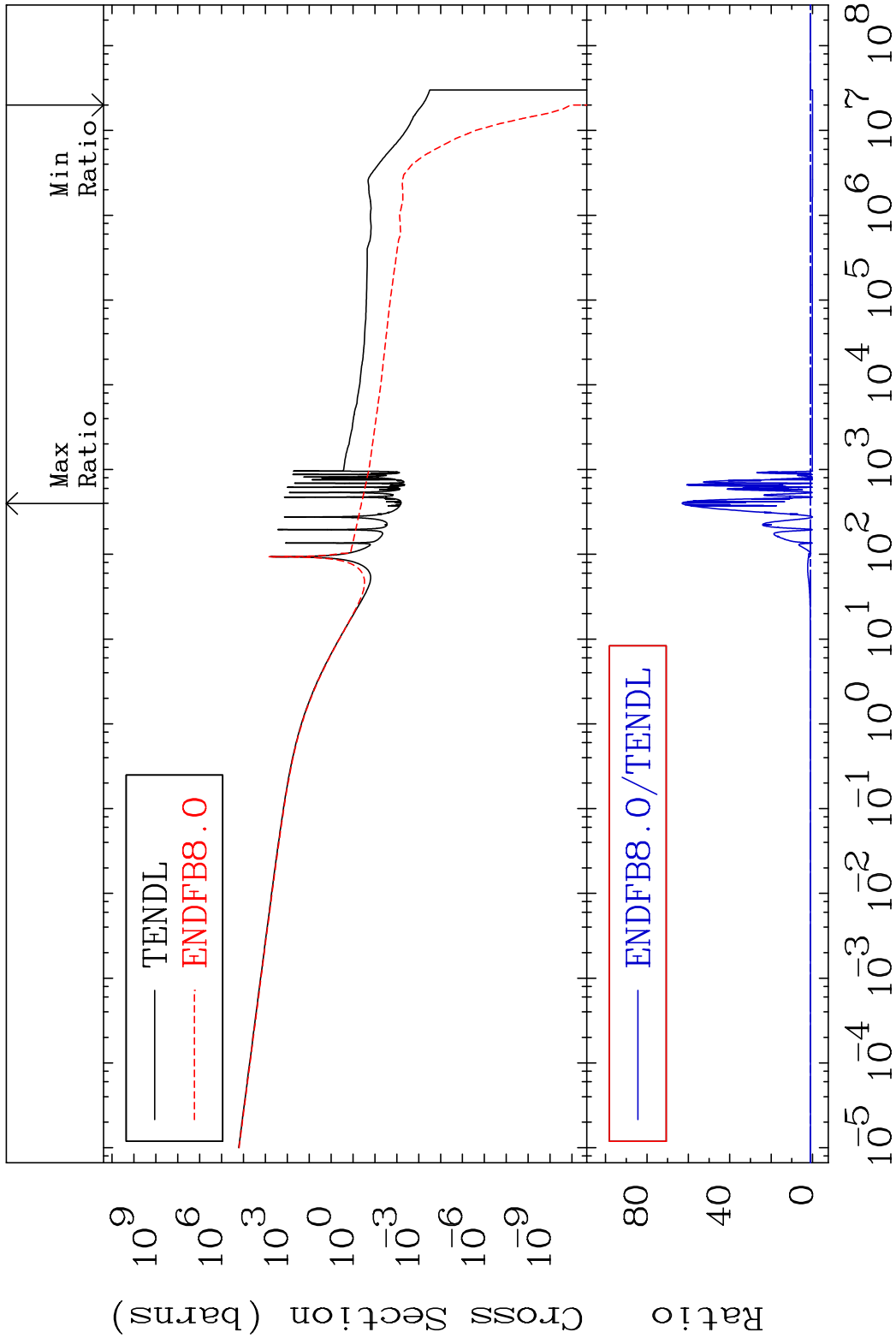


MAT 8025 (n, n') Continuum 80-Hg-196
 Cross Section -100.0 To 1.388 %



MAT 8025

(n, γ)
Cross Section -100.0 To 6199. %
80-Hg-196

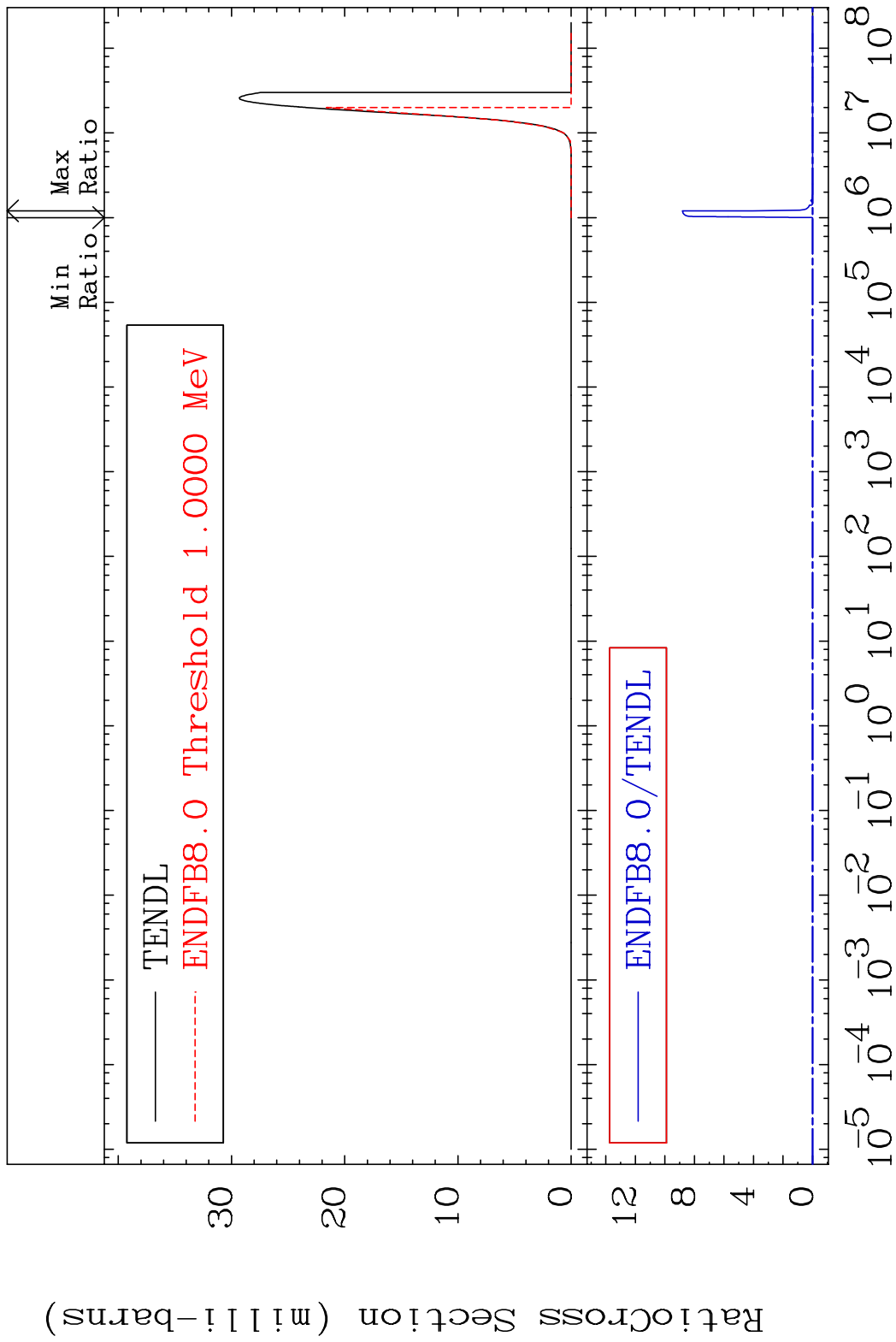


30

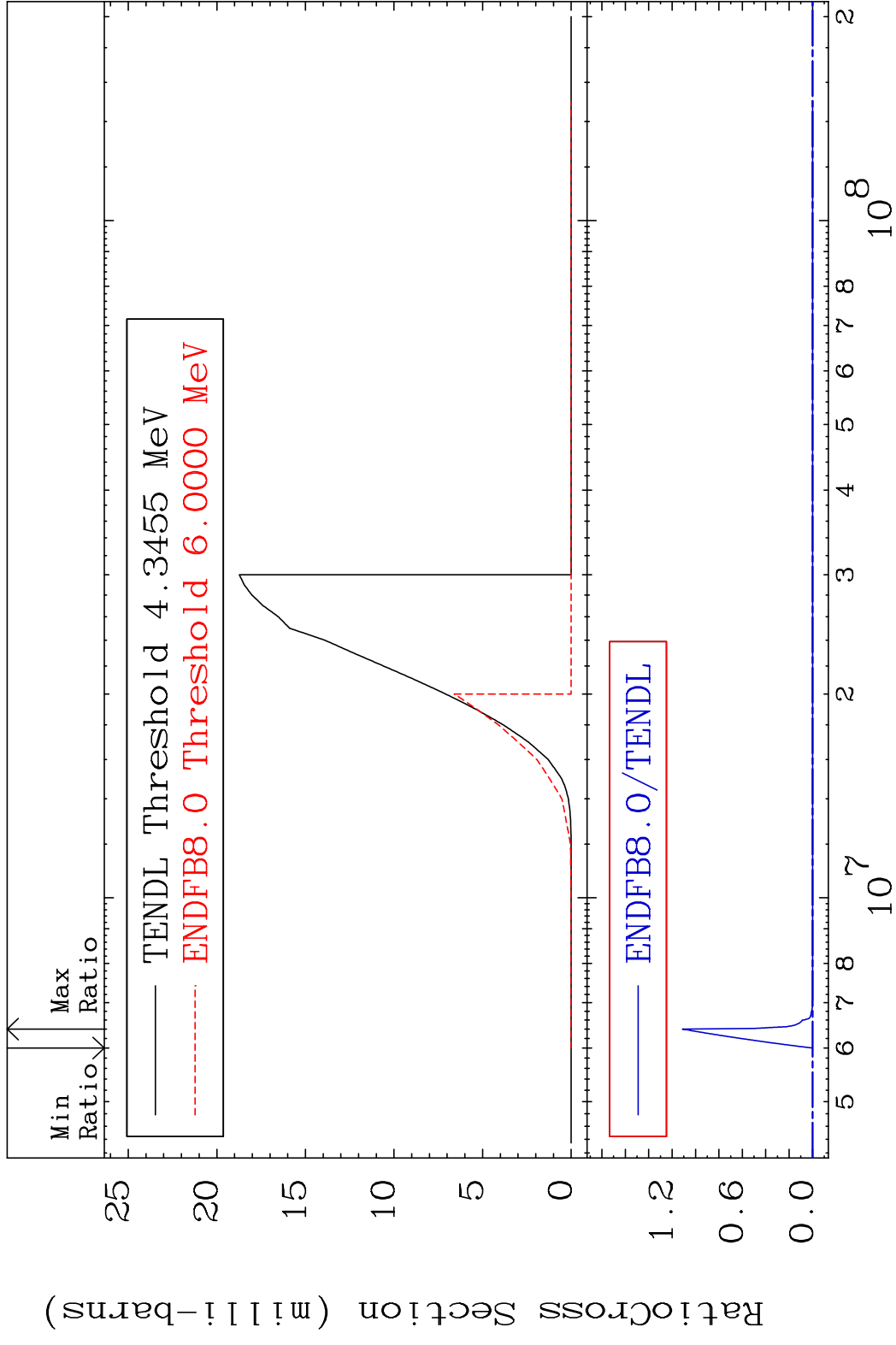
Incident Energy (eV)

80-Hg-196

MAT 8025 (n,p) Cross Section -100.0 To 9999. % 80-Hg-196



MAT 8025 (n,d) 80-Hg-196
 Cross Section -100.0 To 9999. %

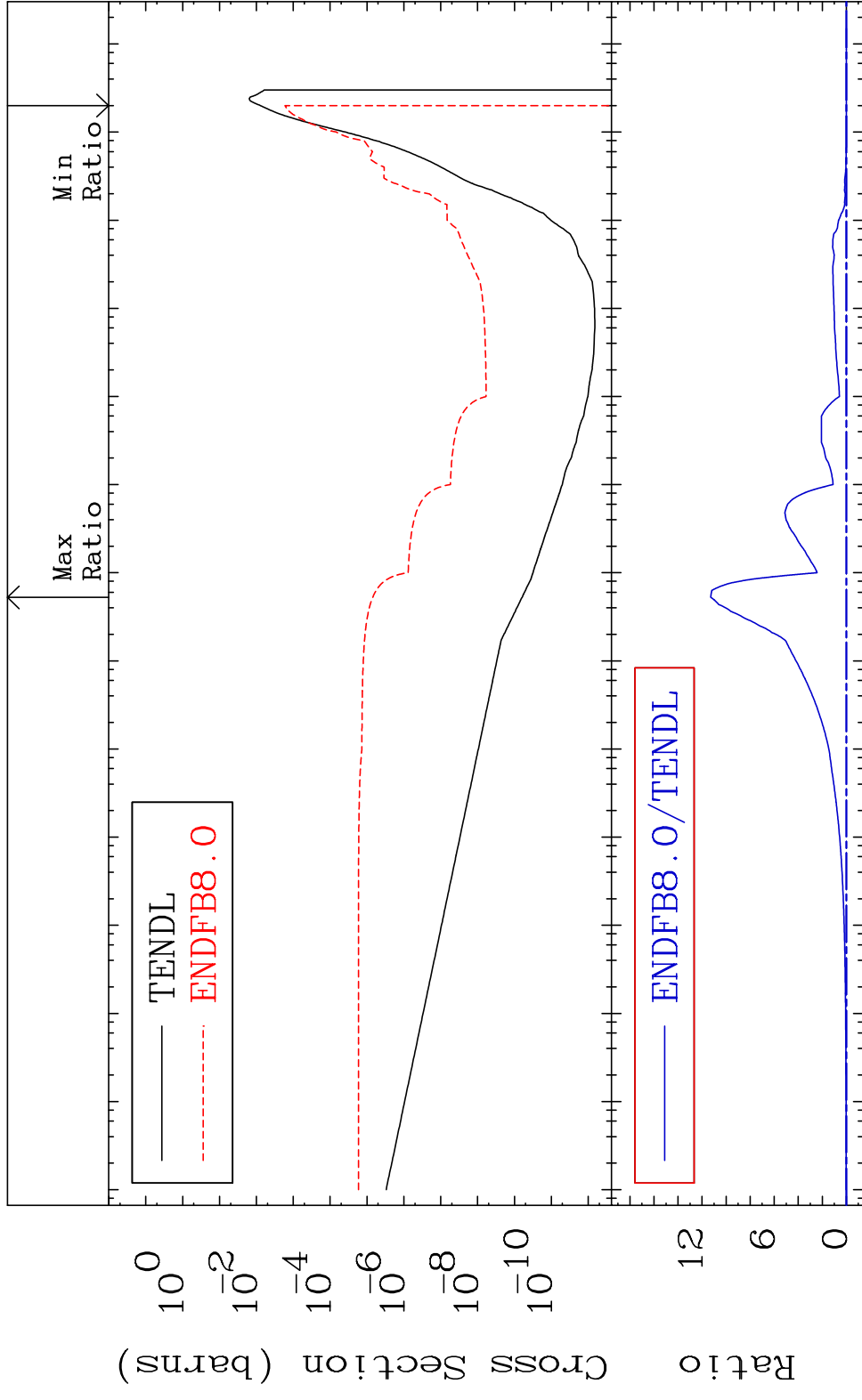


MAT 8025

80-Hg-196

(n, α)

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

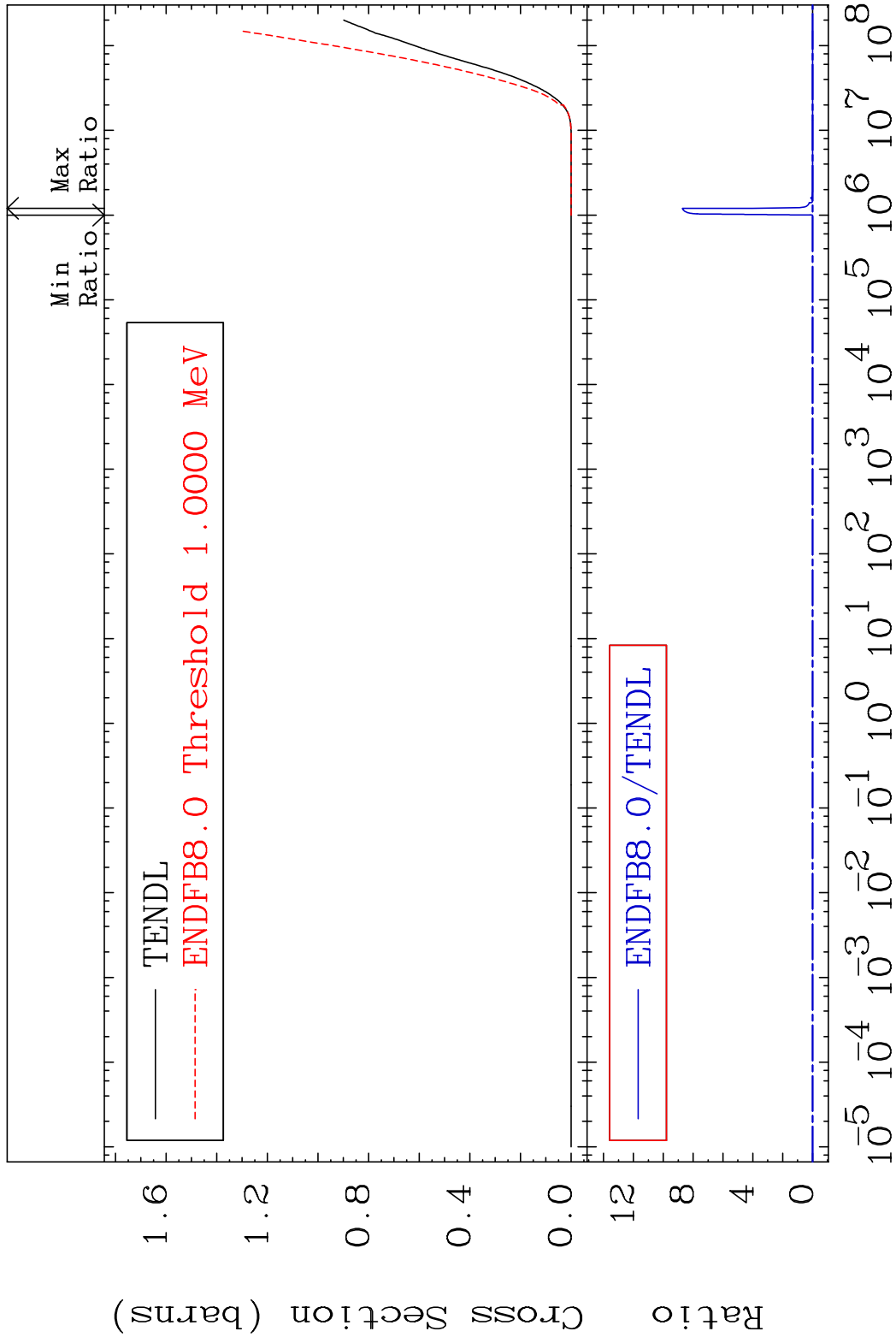
80-Hg-196

MAT 8025

Hydrogen Production

80-Hg-196

Cross Section -100.0 To 9999. %



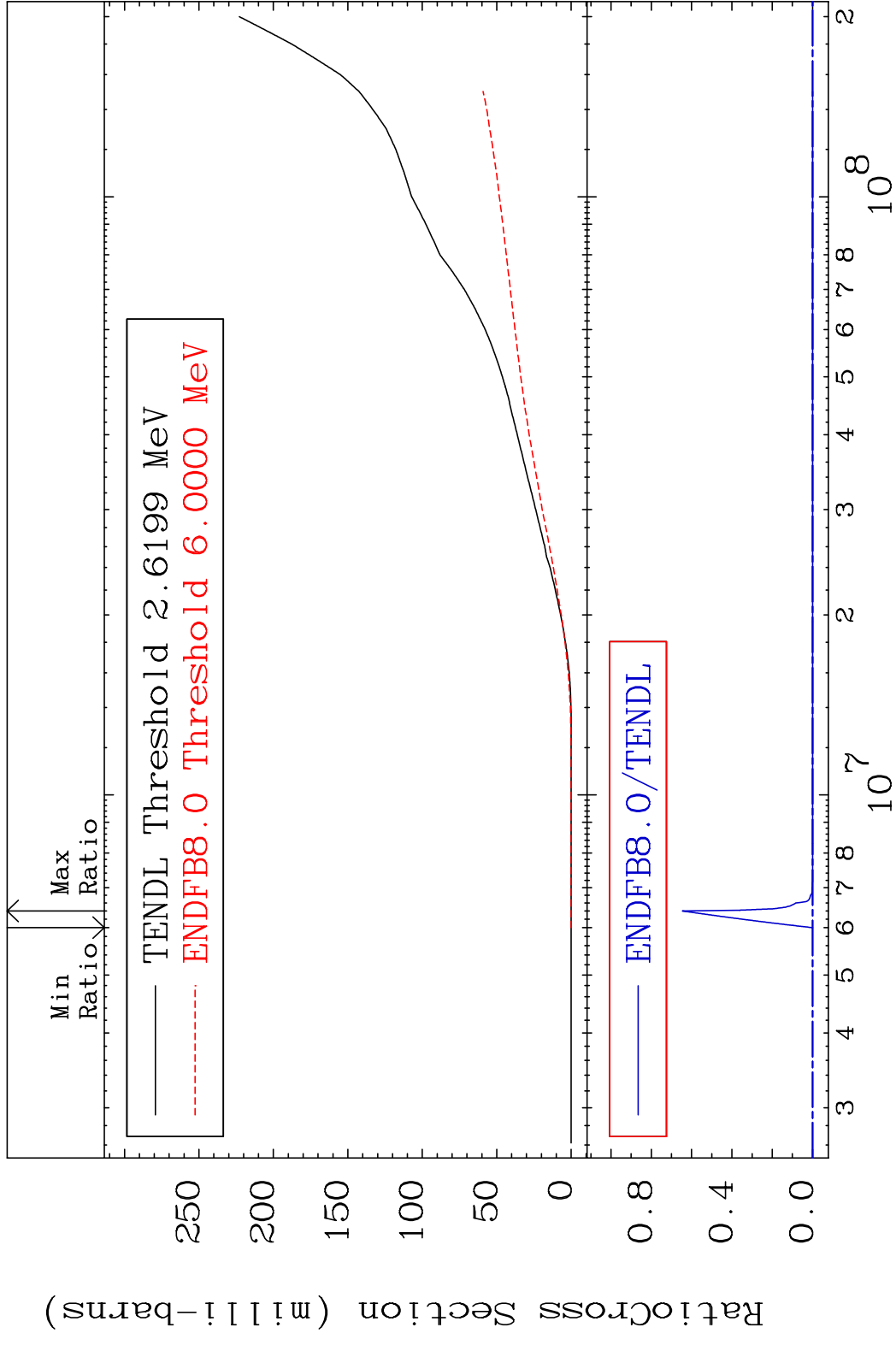
34

Incident Energy (eV)

80-Hg-196

MAT 8025

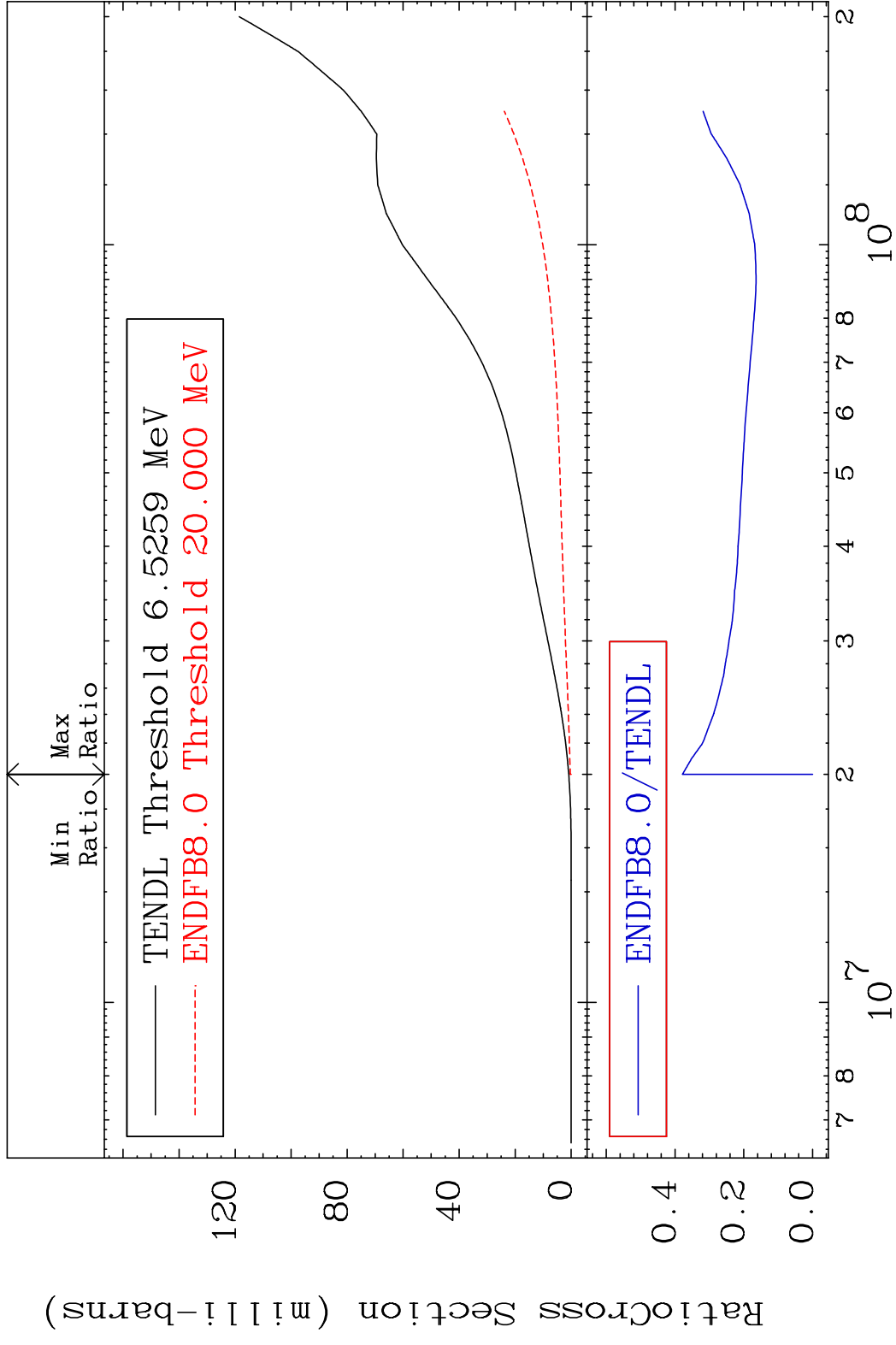
Deuterium Production 80-Hg-196
Cross Section -100.0 To 9999. %



35

Incident Energy (eV) 80-Hg-196

MAT 8025 Tritium Production 80-Hg-196
 Cross Section -100.0 To -62.13%

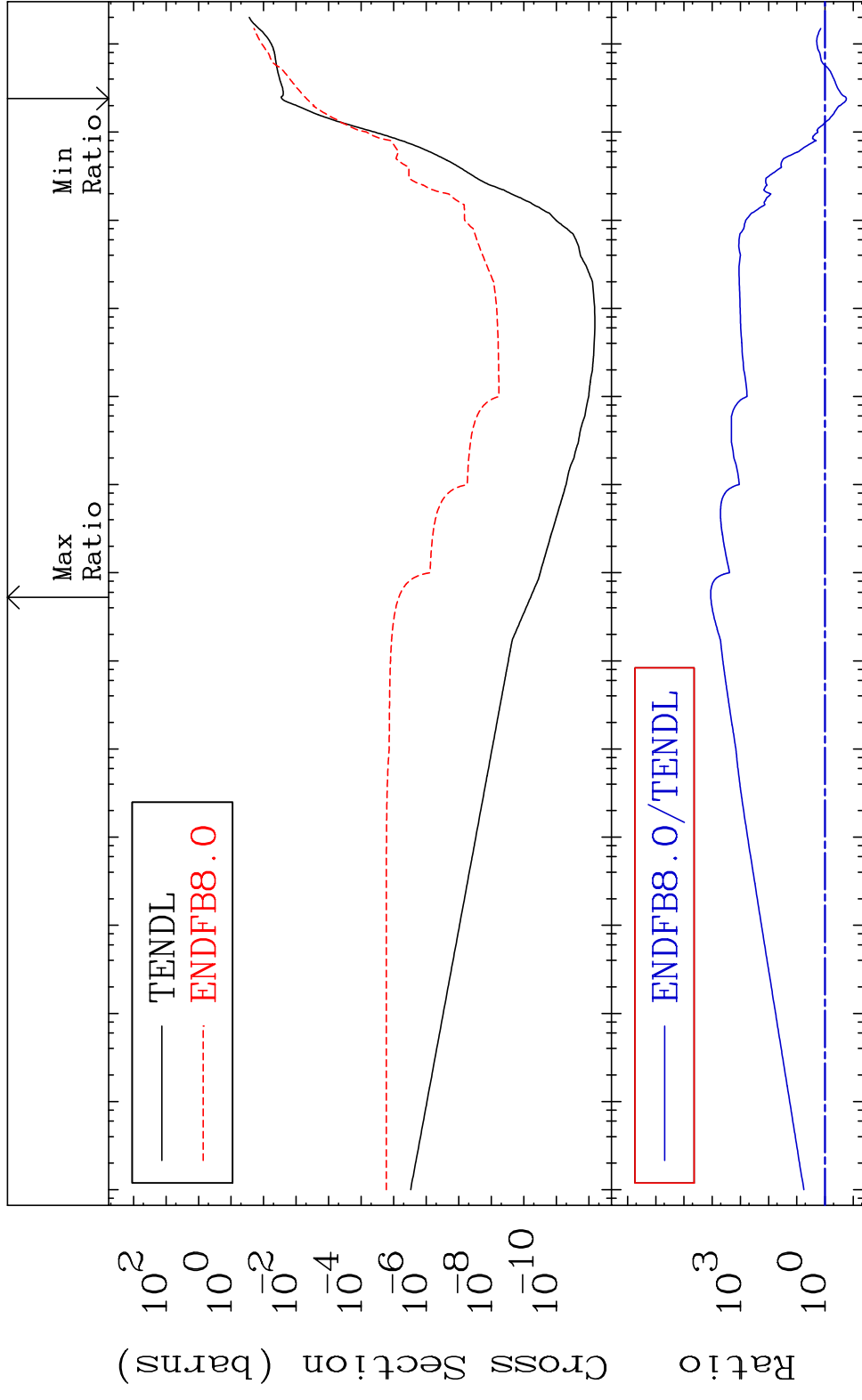


MAT 8025

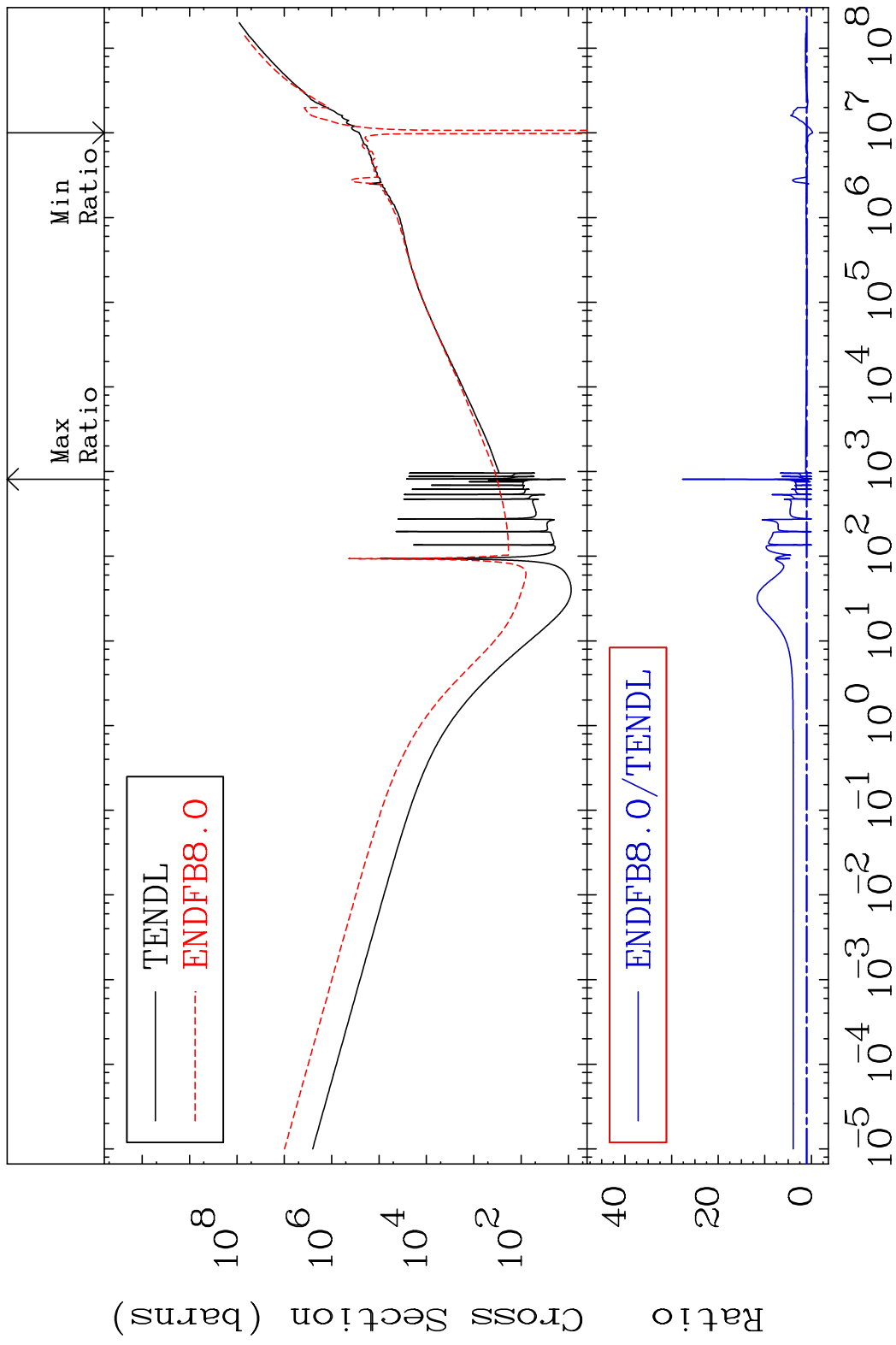
He-4 Production

80-Hg-196

Cross Section -82.44 To 9999. %



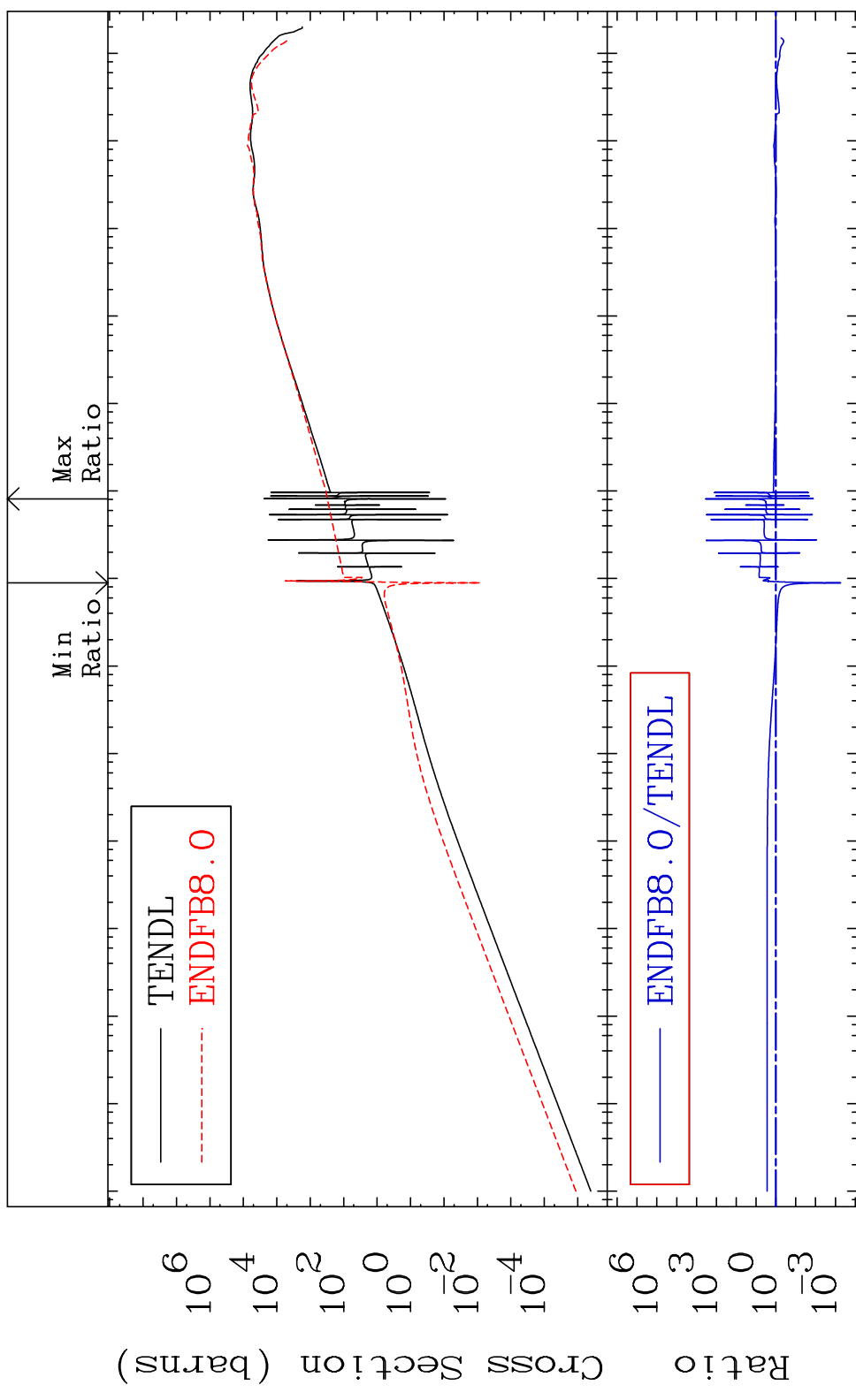
MAT 8025 Kerma total (eV-barns) 80-Hg-196
 Cross Section -123.8 To 2669. %



MAT 8025

Kerma elastic Cross Section -99.94 To 9999. %

80-Hg-196

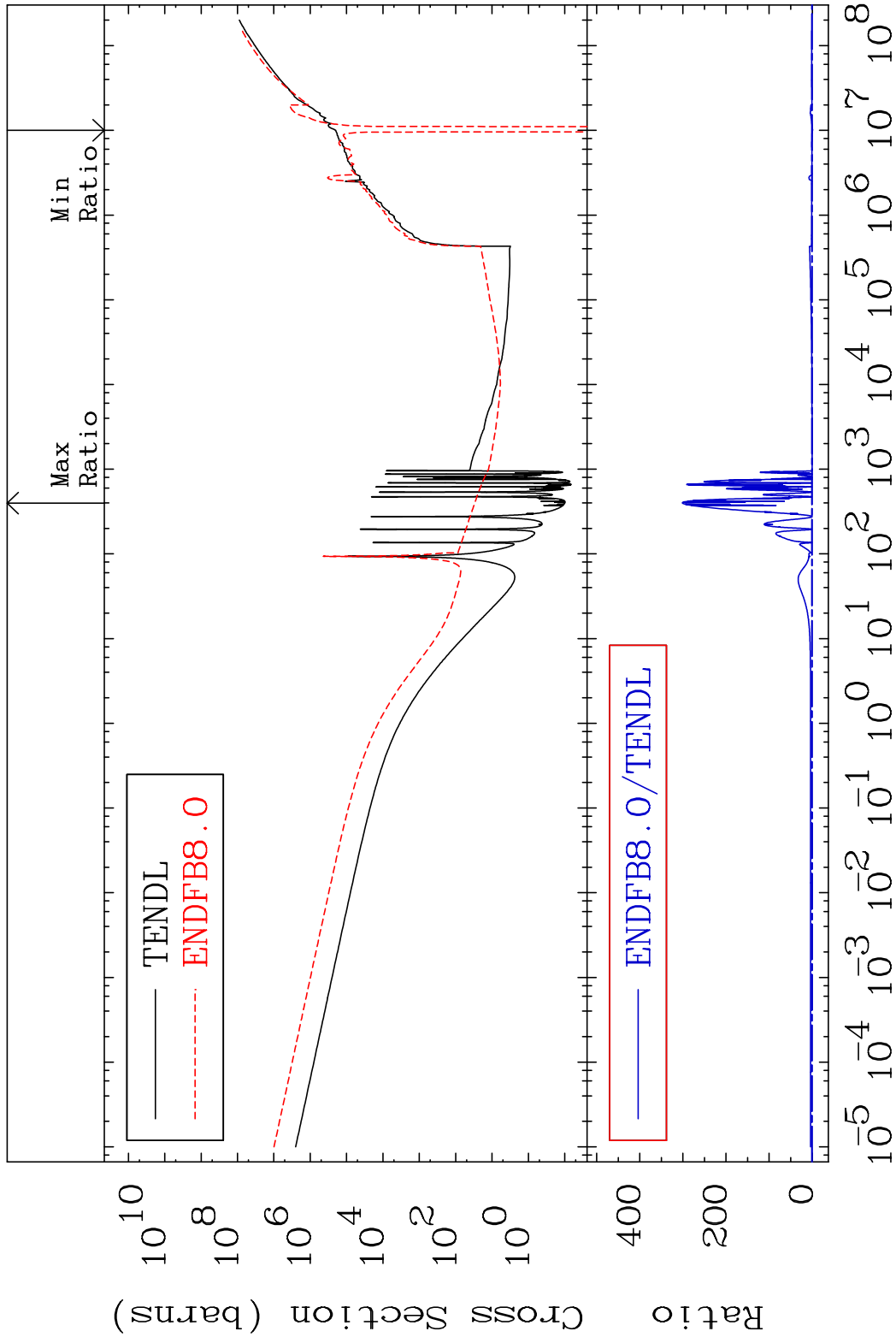


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Incident Energy (eV)

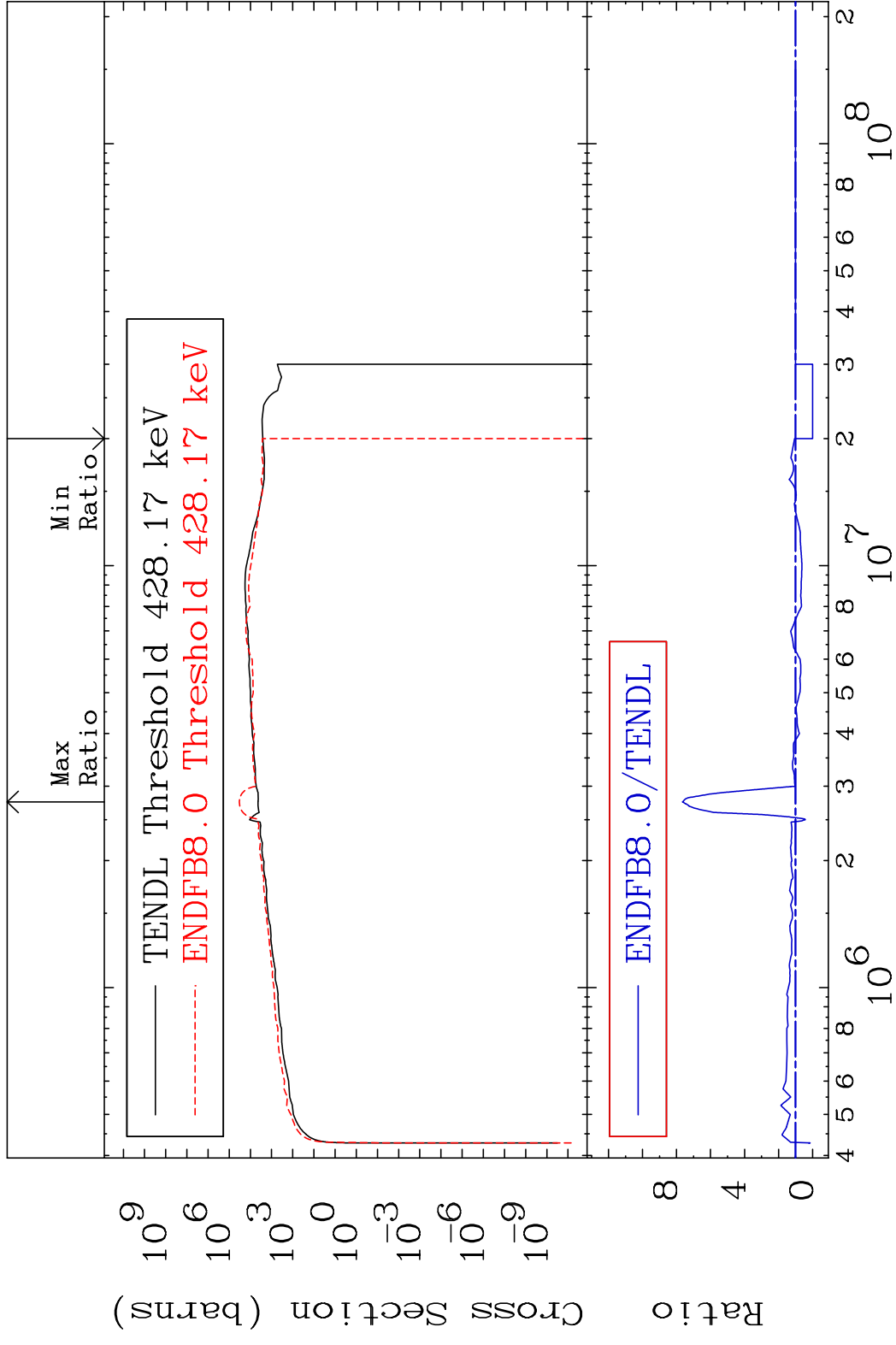
80-Hg-196

MAT 8025 Kerma non-elastic (all but mt2) 80-Hg-196
 Cross Section -166.7 To 9999. %

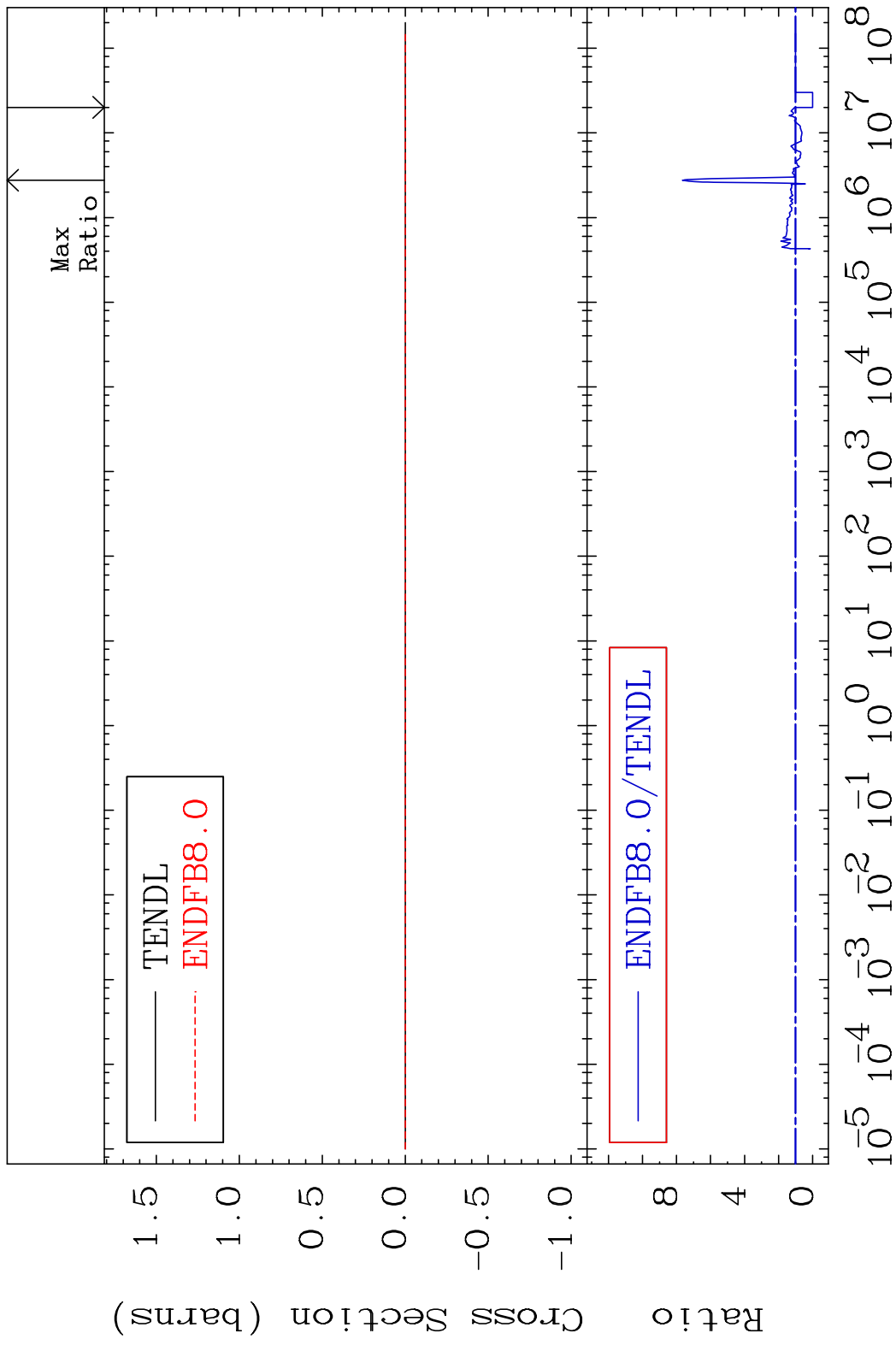


40 Incident Energy (eV) 80-Hg-196

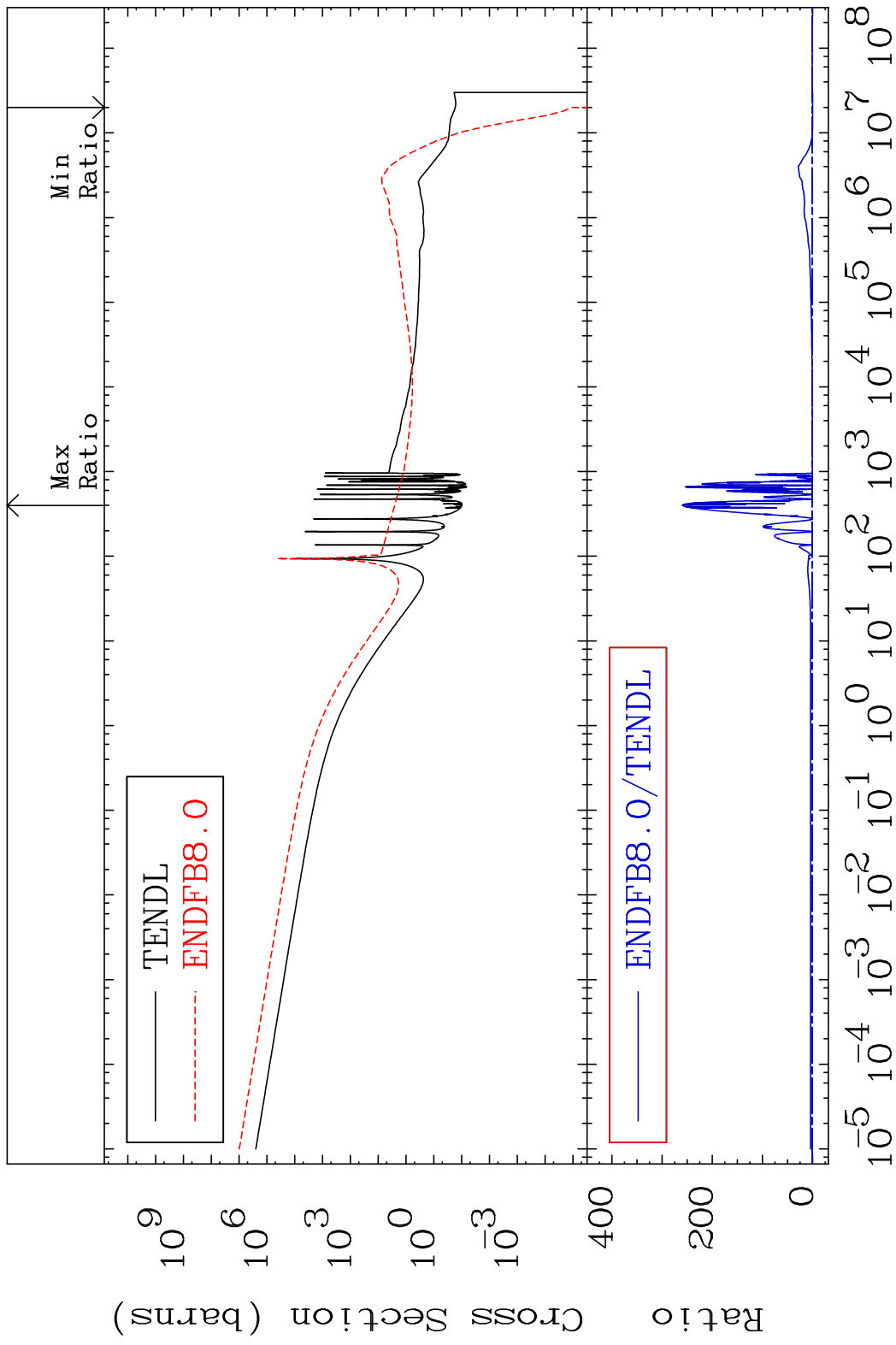
MAT 8025 Kerma inelastic (mt51-91) 80-Hg-196
 Cross Section -100.0 To 665.7 %



MAT 8025 Kerma fission (mt18 or mt19-20-21-38) β_0 -Hg-196
 Cross Section -100.0 To 665.7 %

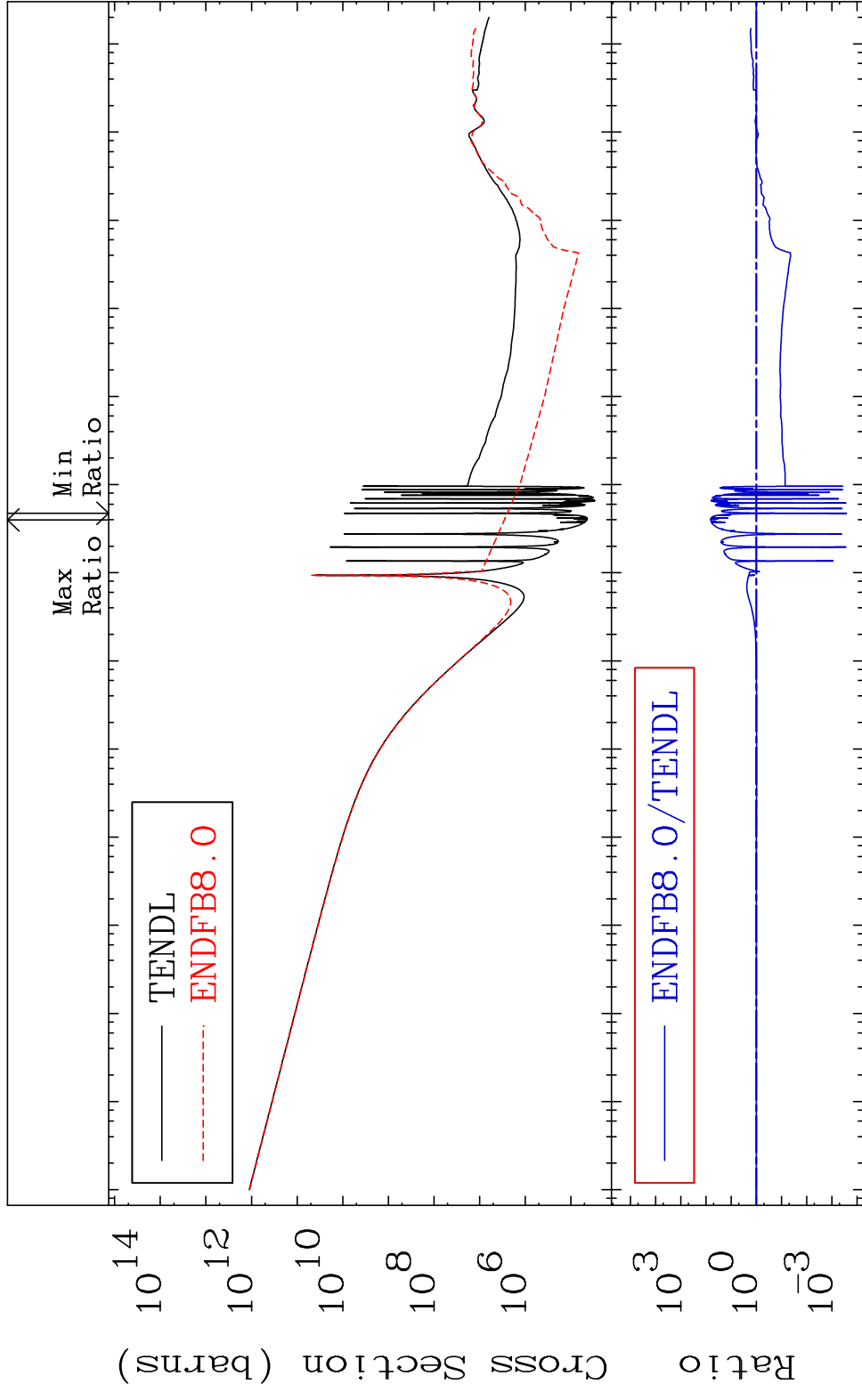


MAT 8025 Kerma capture (mt102) 80-Hg-196
 Cross Section -100.0 To 9999. %



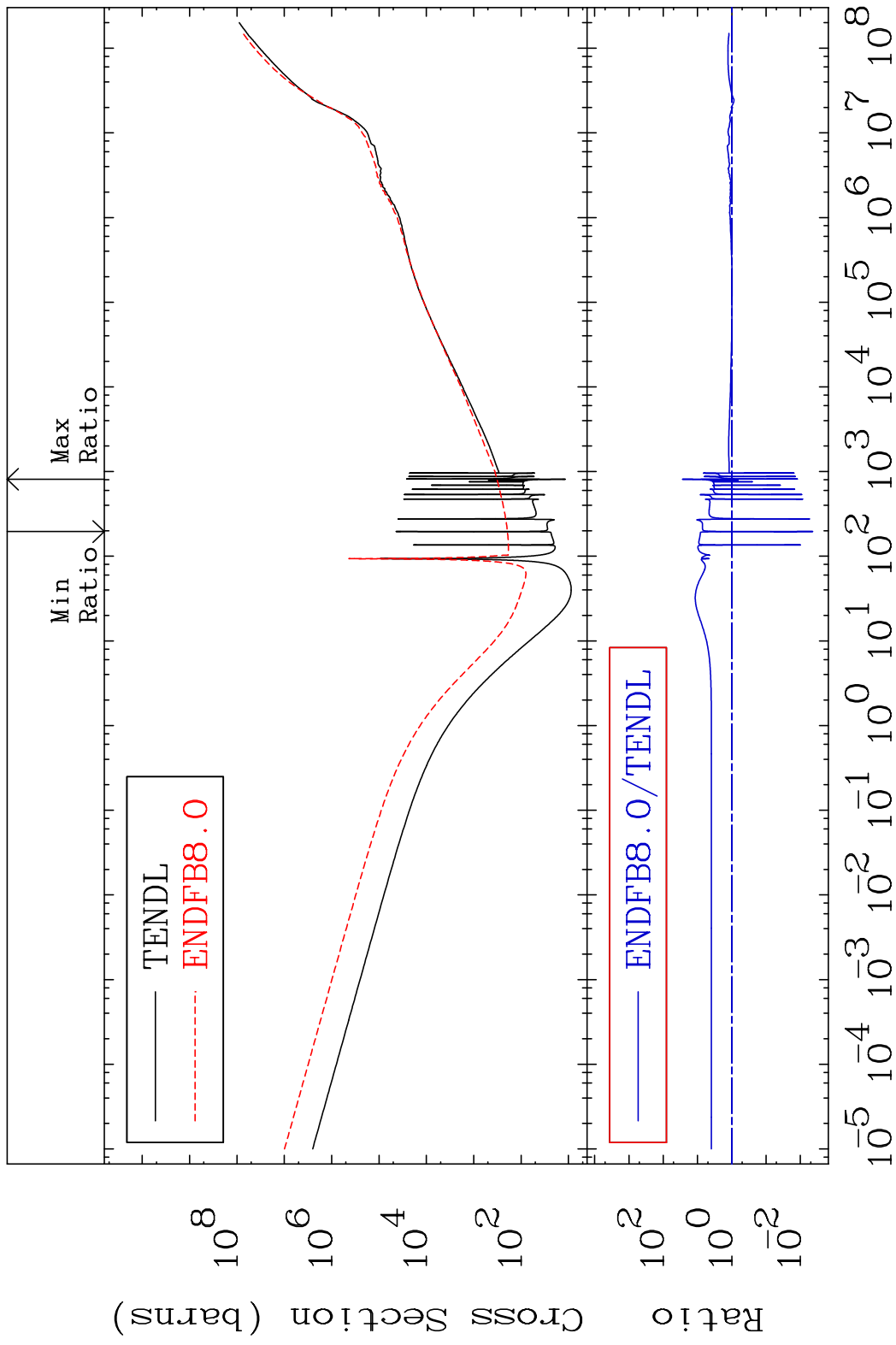
43 Incident Energy (eV) 80-Hg-196

MAT 8025 Total photon (eV-barns) 80-Hg-196
 Cross Section -99.97 To 6381. %



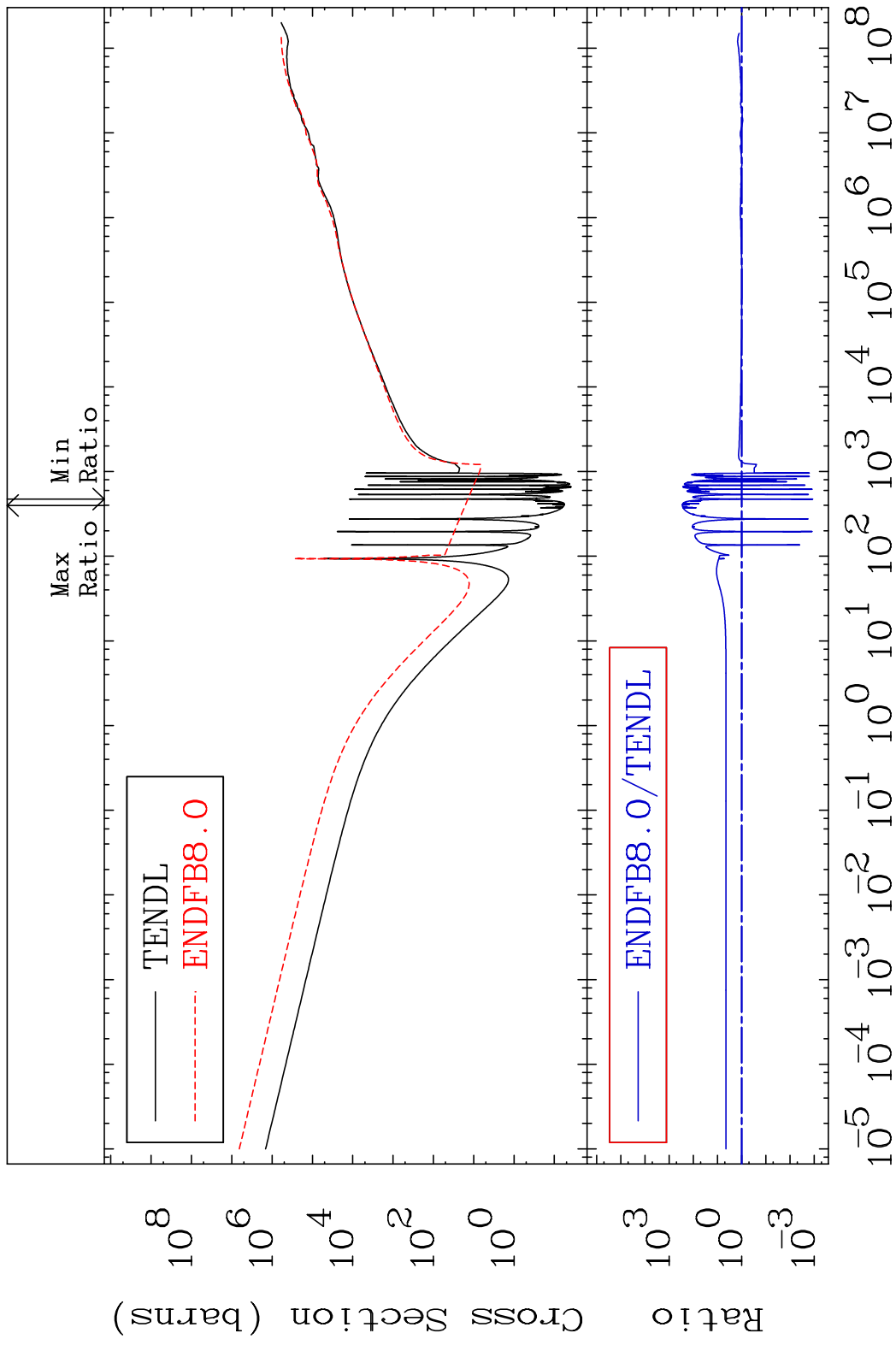
44 Incident Energy (eV) 80-Hg-196

MAT 8025 Total kinematic kerma (high limit) 80-Hg-196
 Cross Section -99.56 To 2669. %



45 Incident Energy (eV) 80-Hg-196

MAT 8025 Dpa total (eV-barns) 80-Hg-196
 Cross Section -99.88 To 9999. %

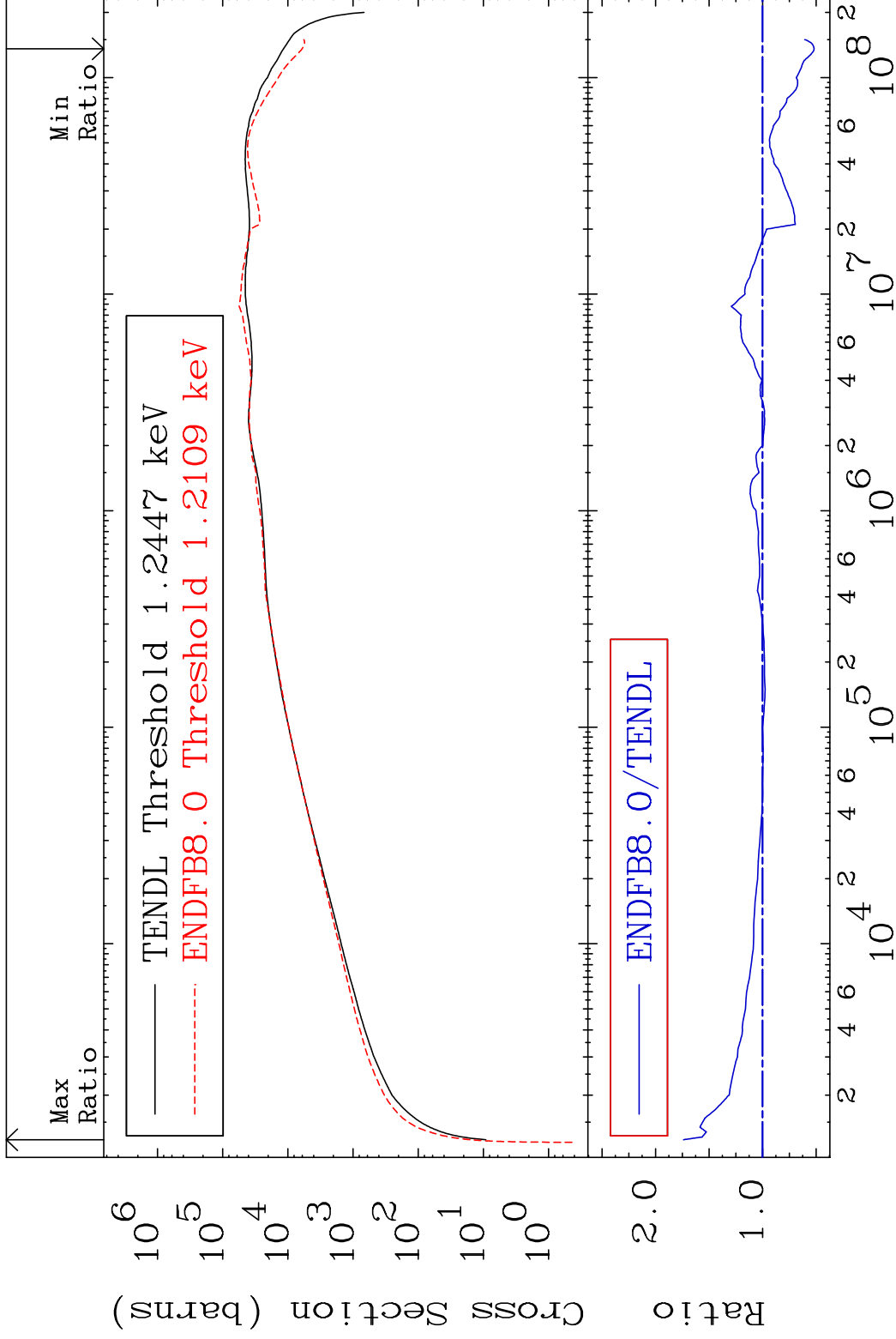


MAT 8025

Dpa elastic (mt2)

80-Hg-196

Cross Section -48.13 To 73.86 %

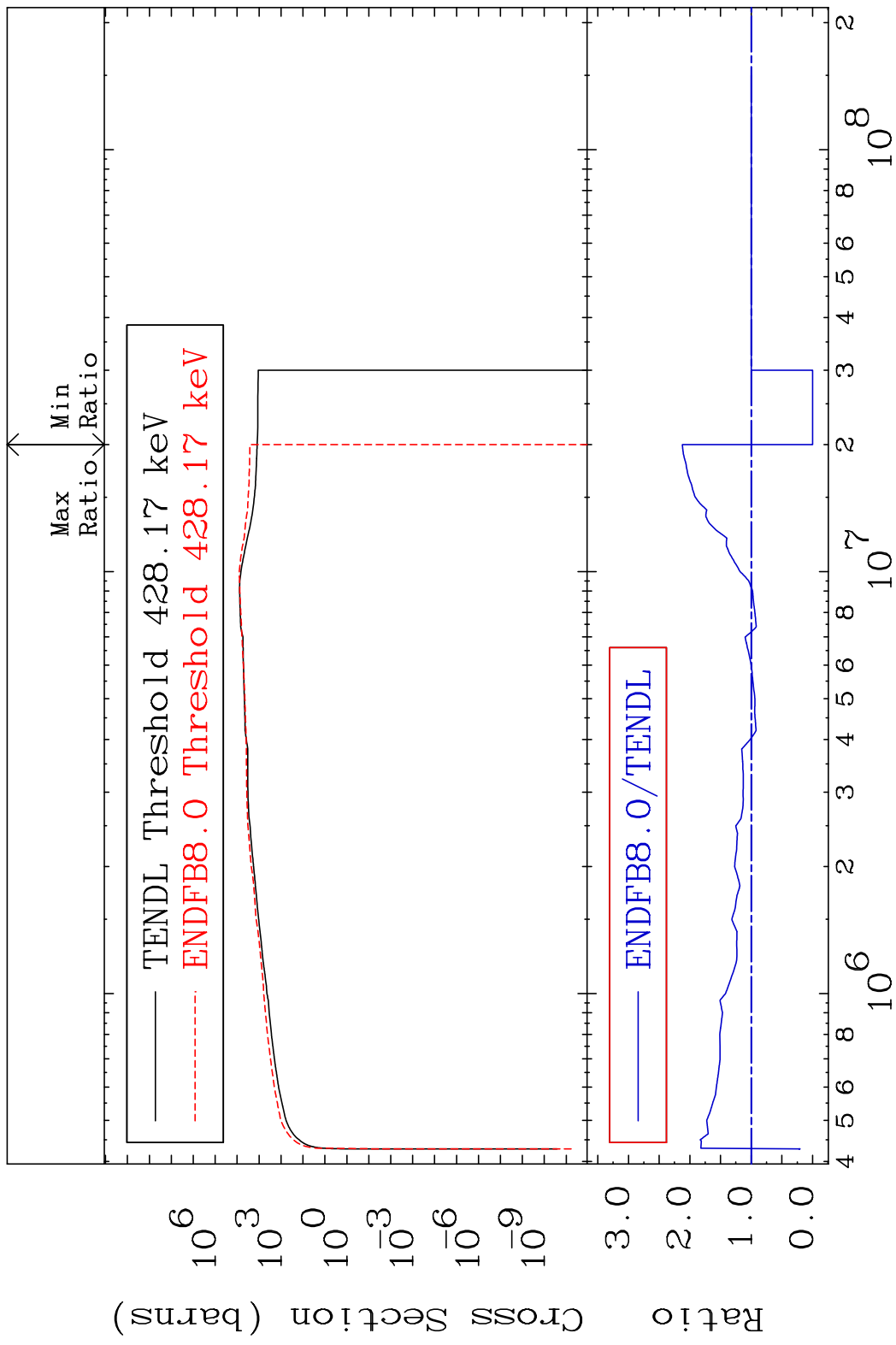


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Incident Energy (eV)

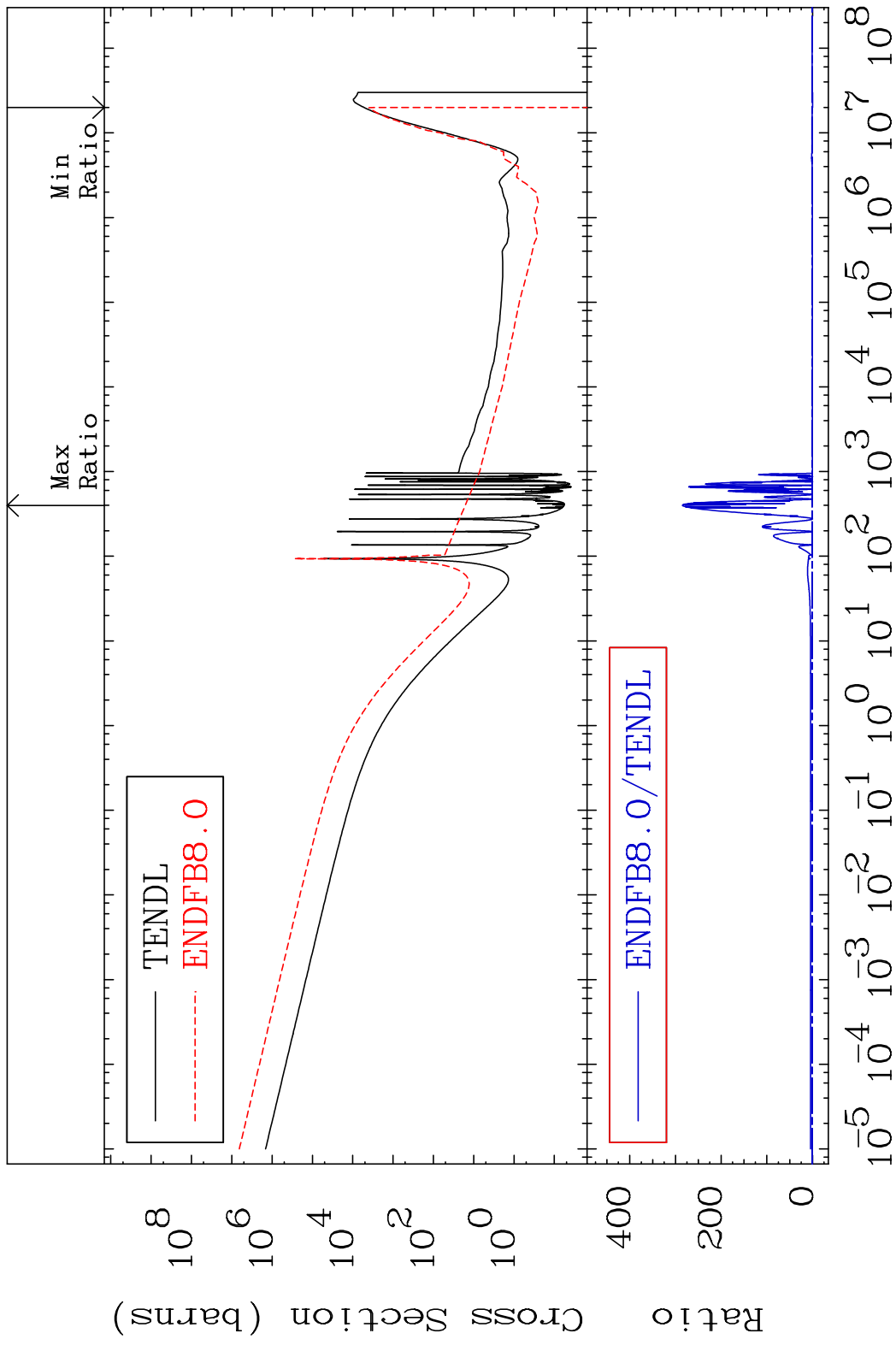
80-Hg-196

MAT 8025 Dpa inelastic (mt51-91) 80-Hg-196
 Cross Section -100.0 To 112.2 %



48 Incident Energy (eV) 80-Hg-196

MAT 8025 Dpa disappearance (mt102 -120) 80-Hg-196
 Cross Section -100.0 To 9999. %



49 Incident Energy (eV) 80-Hg-196