

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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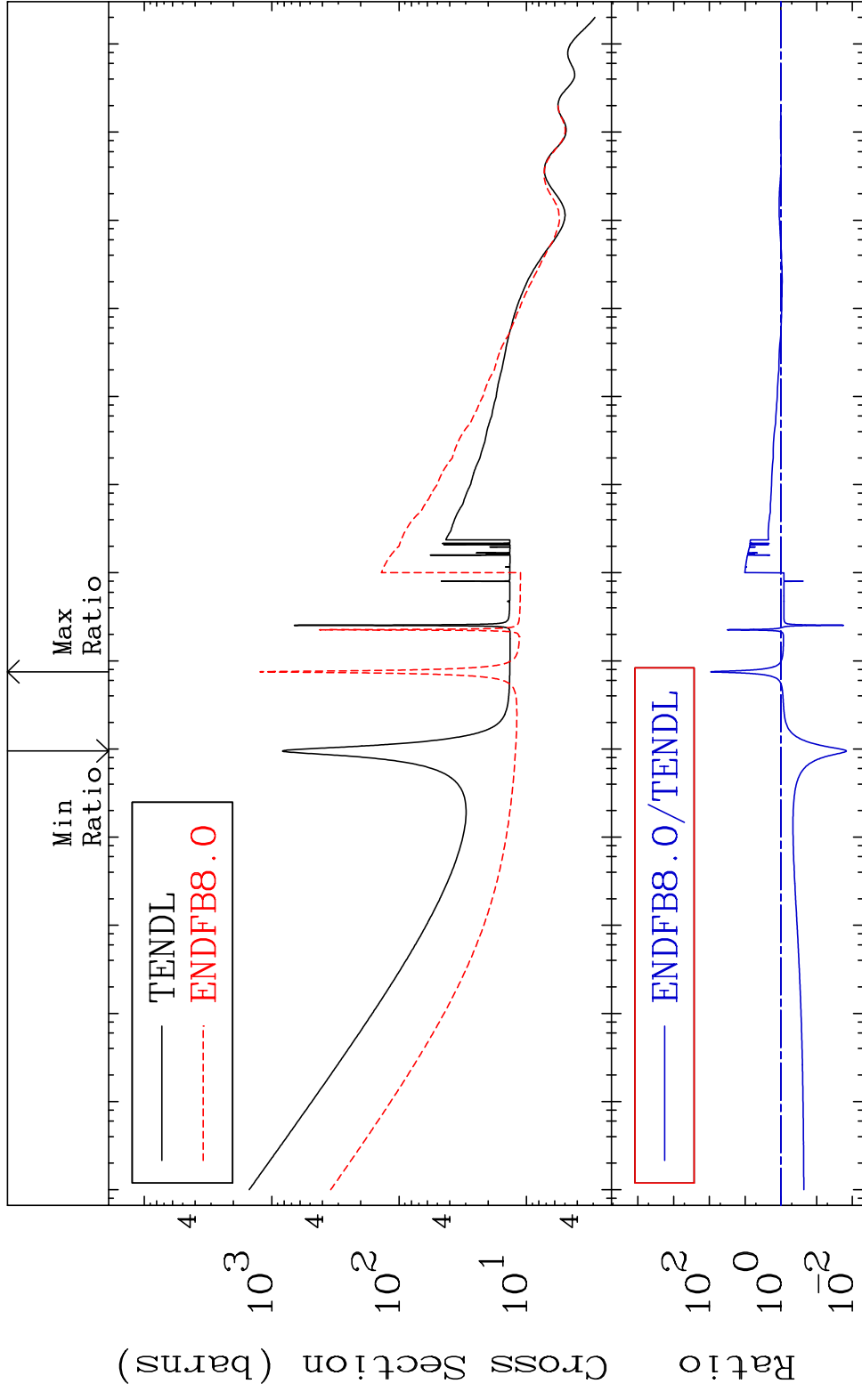
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8028

Total
Cross Section -98.52 To 9079. %

80-Hg-197



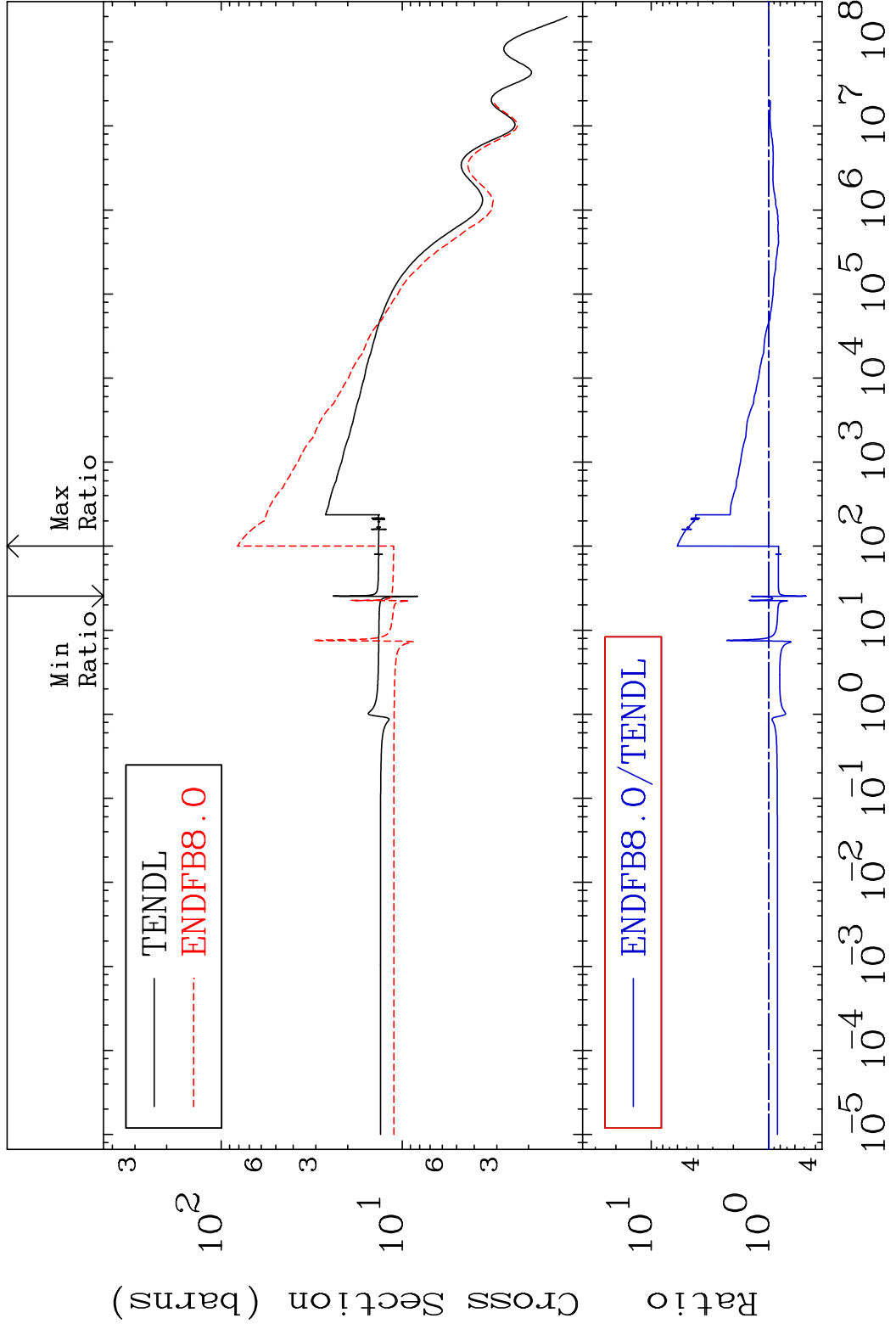
1 Incident Energy (eV) 80-Hg-197

MAT 8028

Elastic

80-Hg-197

Cross Section -52.19 To 502.1 %

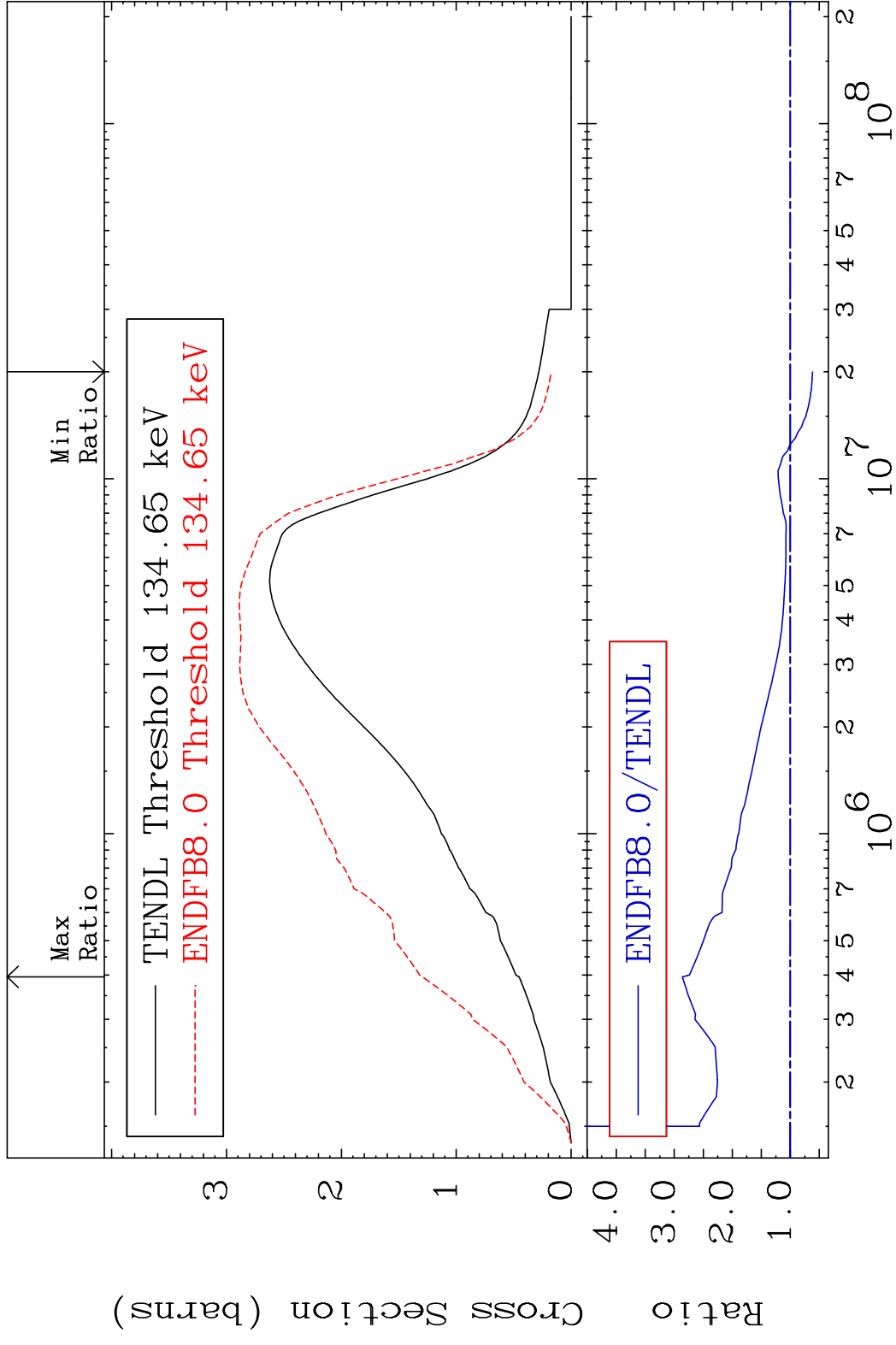


2

Incident Energy (eV)

80-Hg-197

MAT 8028 Inelastic 80-Hg-197
 Cross Section -38.32 To 186.1 %

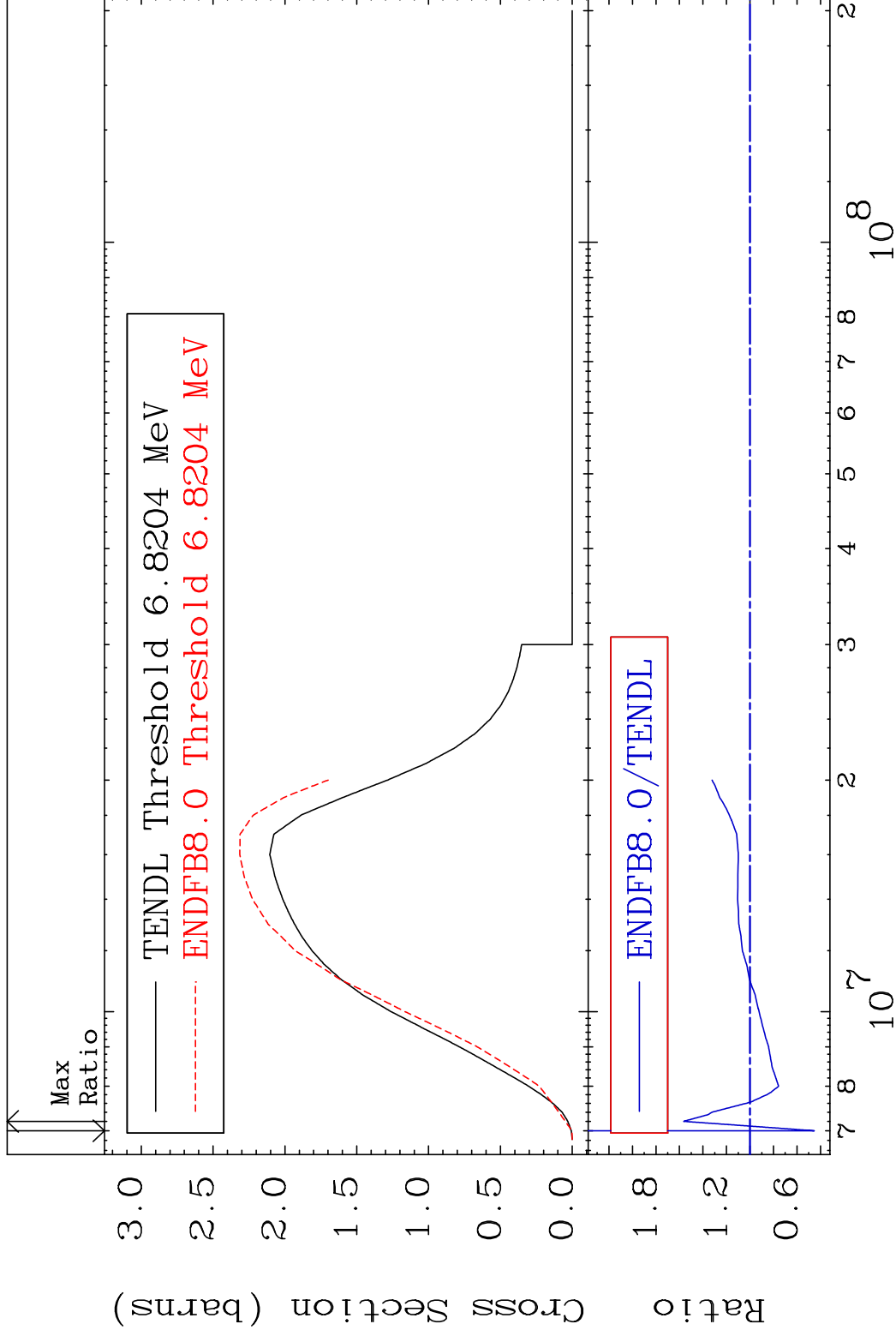


MAT 8028

(n,2n)

80-Hg-197

Cross Section -54.55 To 56.43 %

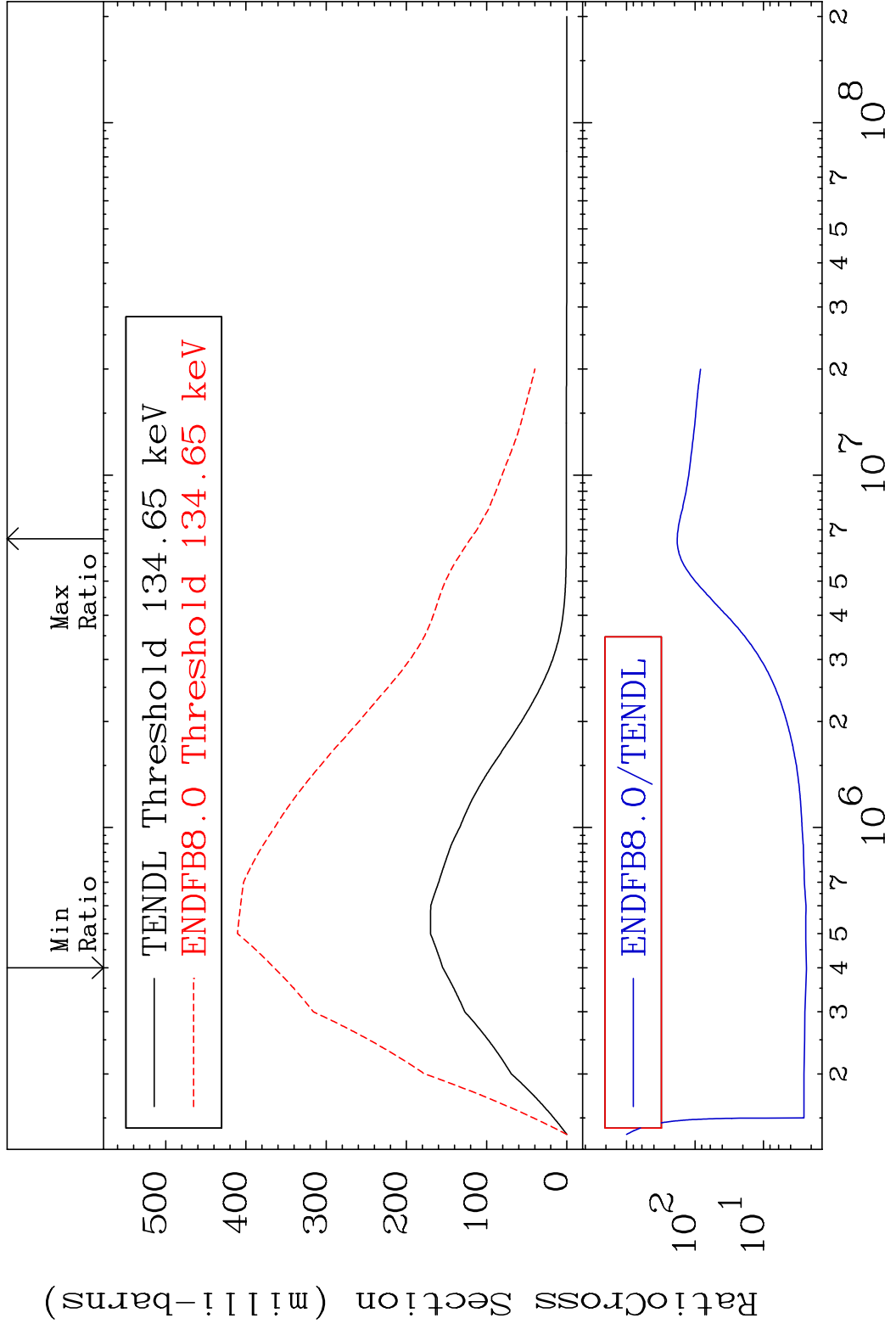


4

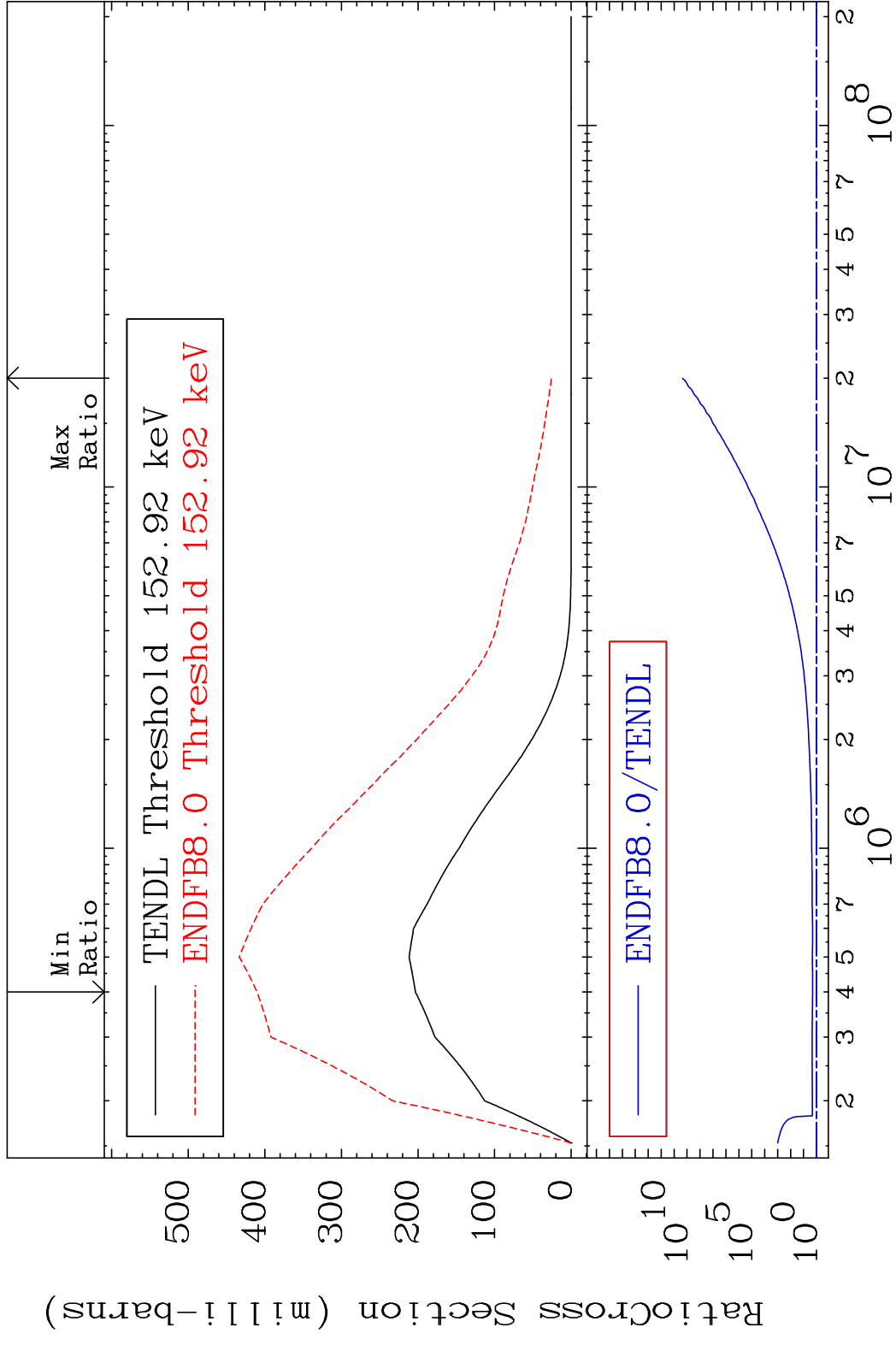
Incident Energy (eV)

80-Hg-197

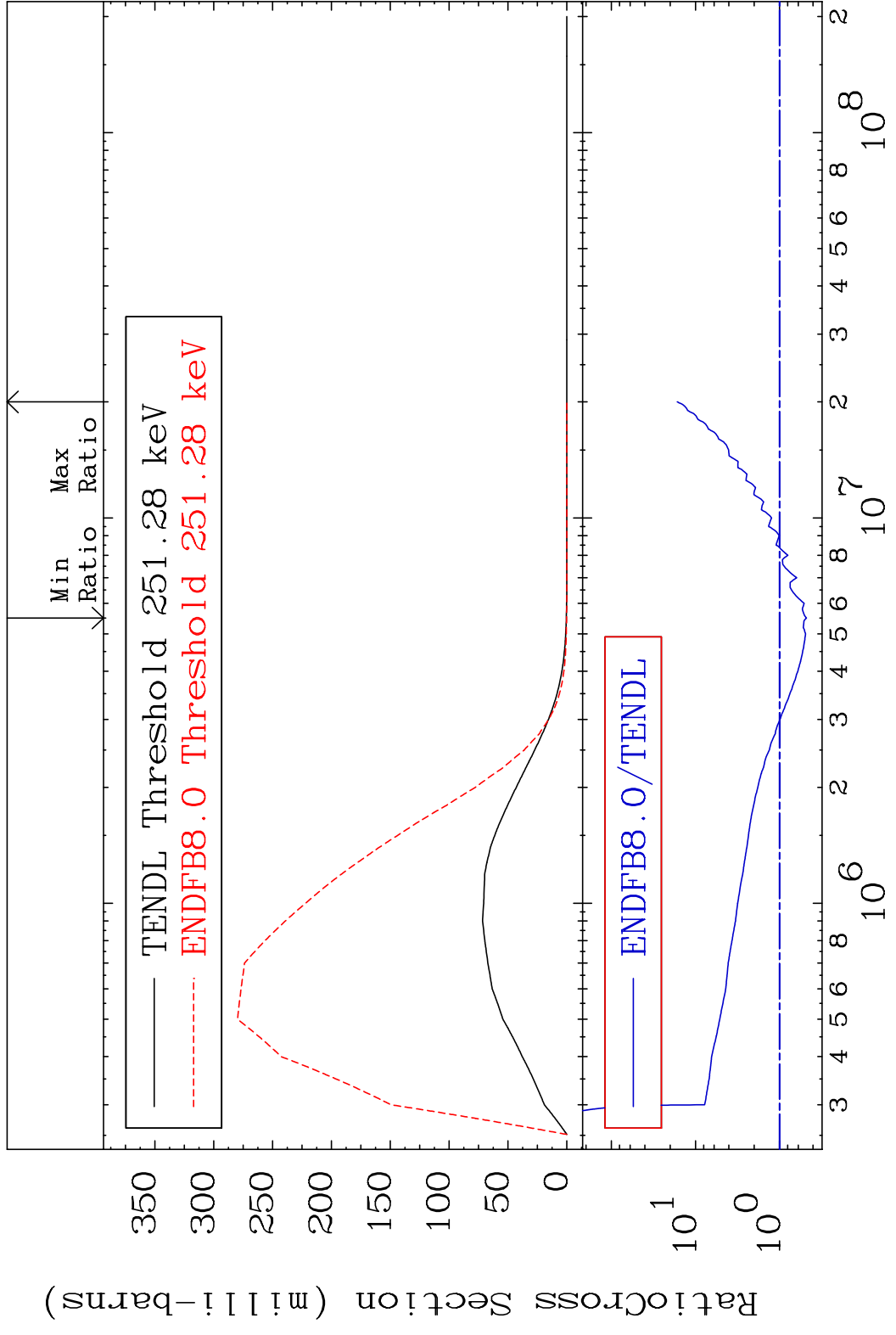
MAT 8028 MT= 51 (n, n') Level 80-Hg-197
 Cross Section 135.9 To 9999. %



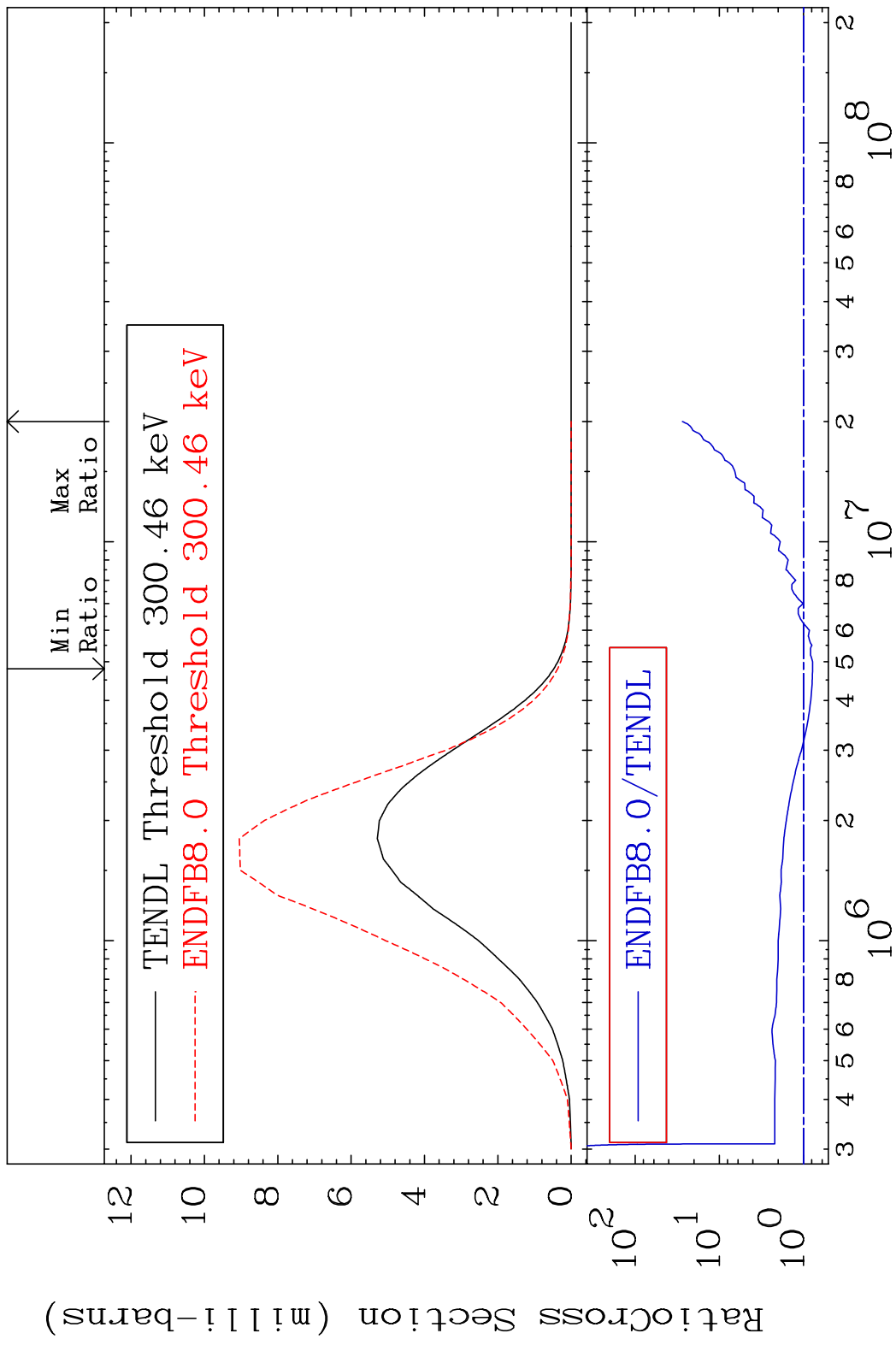
MAT 8028 MT= 52 (n, n') Level 80-Hg-197
 Cross Section 101.7 To 9999. %



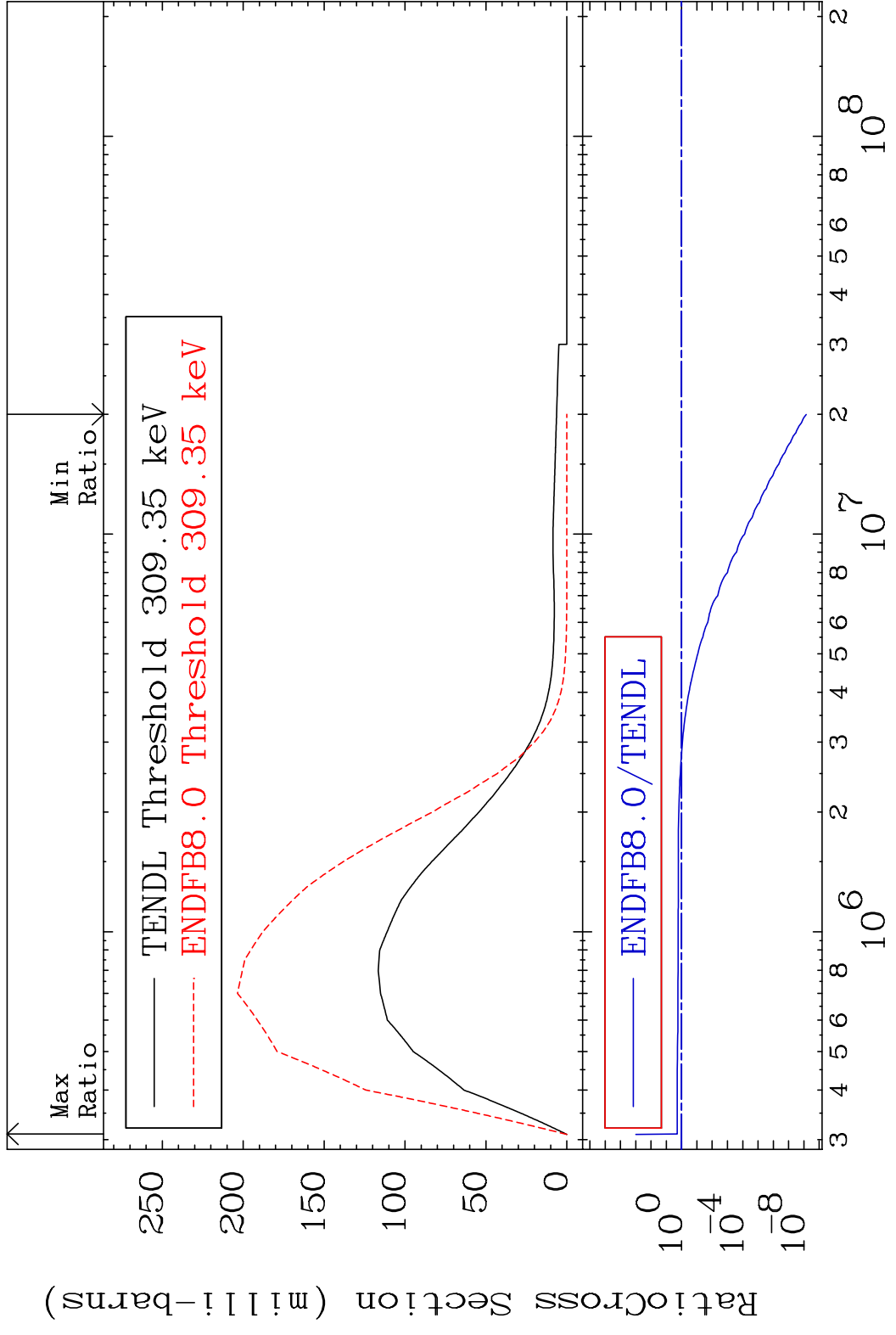
MAT 8028 MT= 53 (n, n') Level 80-Hg-197
 Cross Section -52.08 To 1550. %



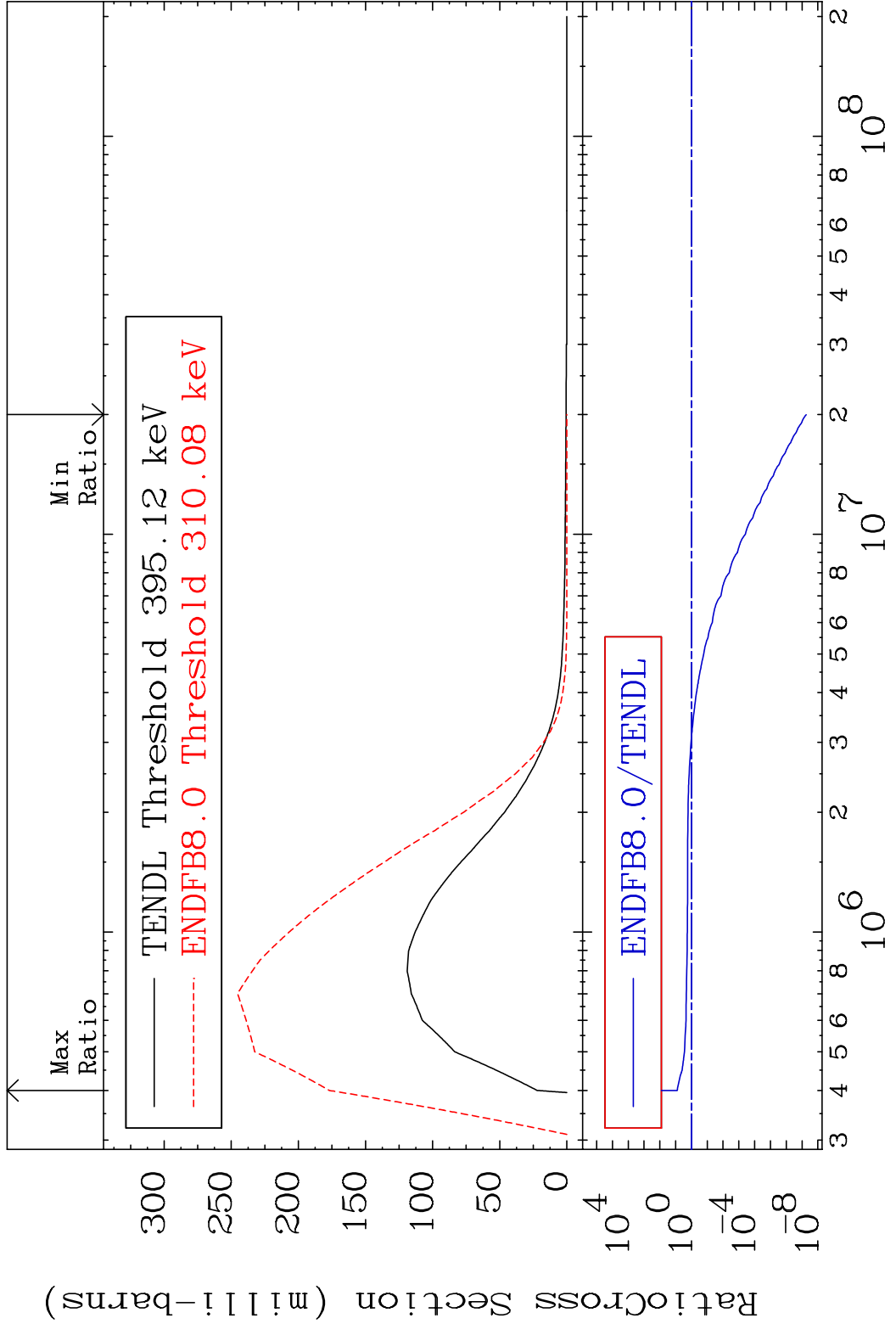
MAT 8028 MT= 54 (n, n') Level 80-Hg-197
 Cross Section -22.03 To 2656. %



MAT 8028 MT= 55 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 95.31 %

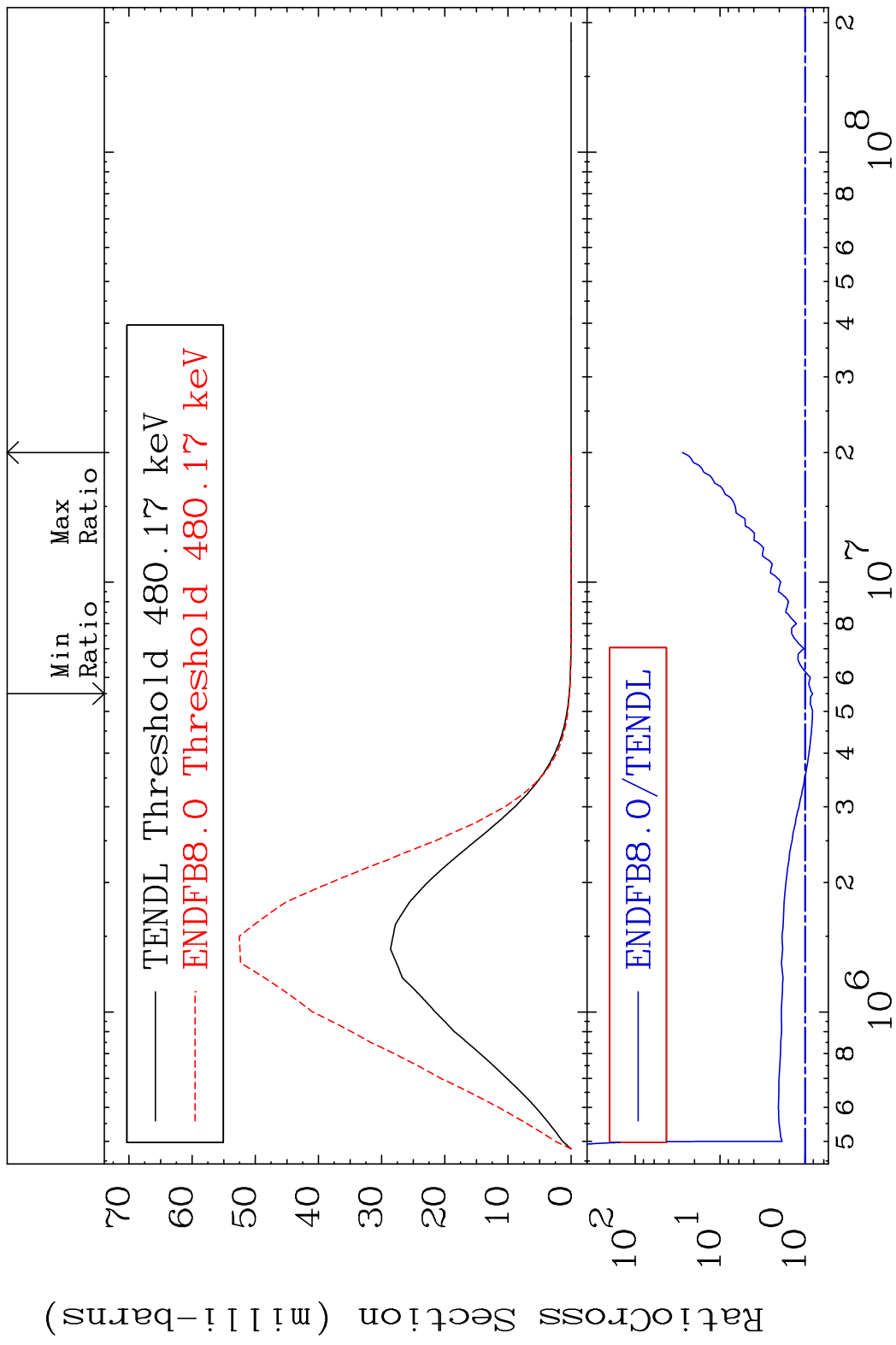


MAT 8028 MT= 56 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 698.8 %

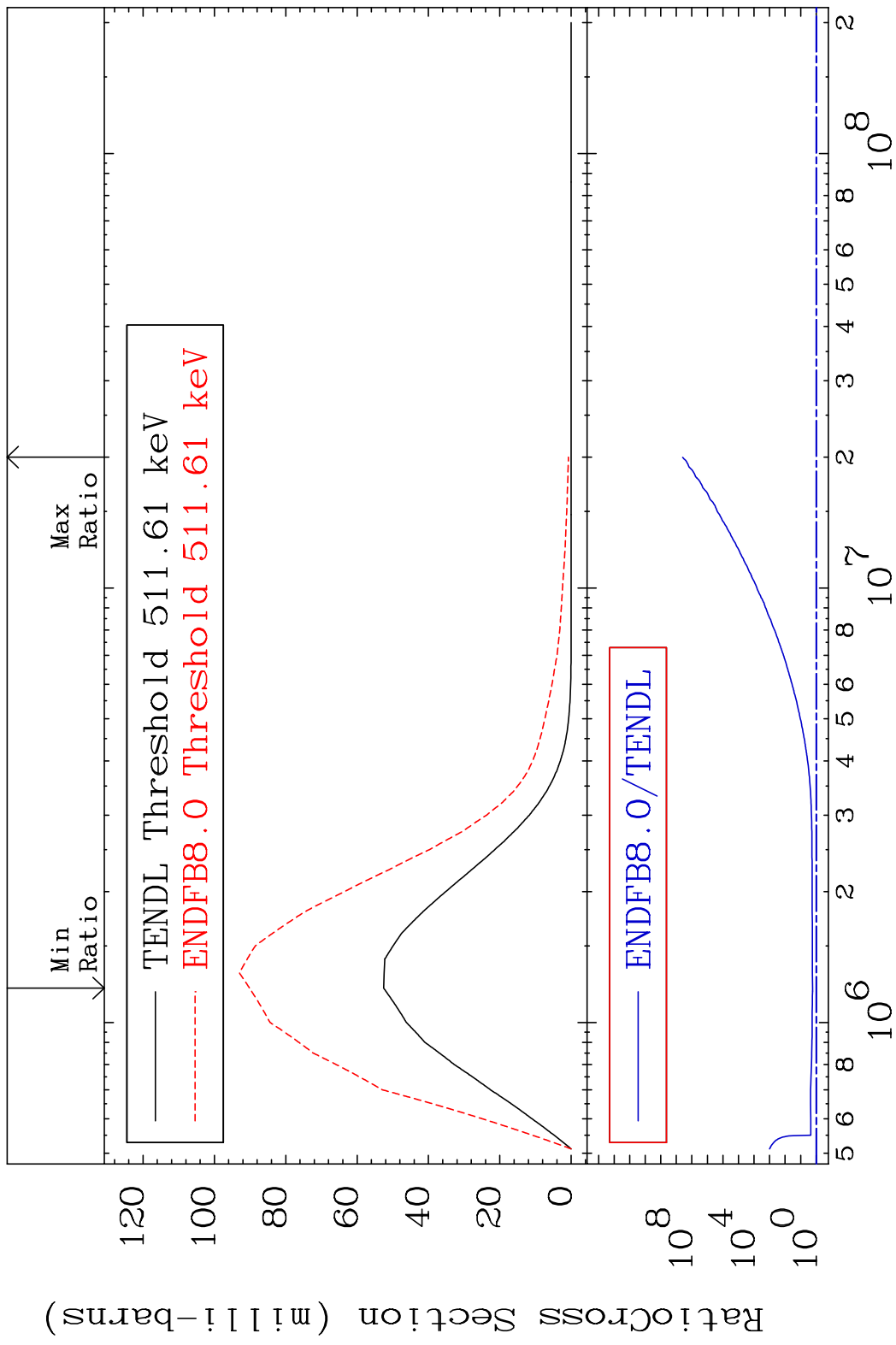


10 Incident Energy (eV) 80-Hg-197

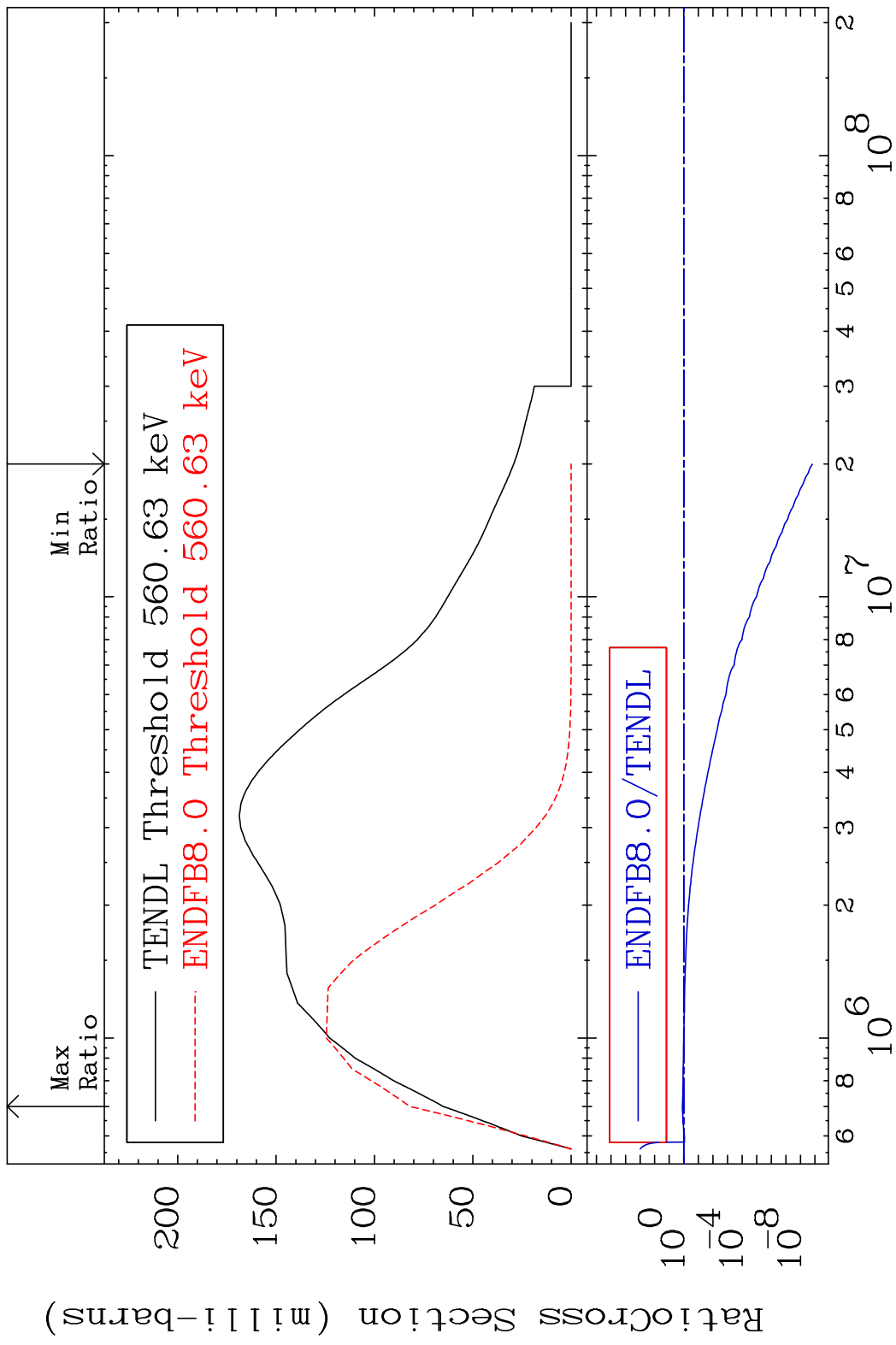
MAT 8028 MT= 57 (n, n') Level 80-Hg-197
 Cross Section -18.58 To 2682. %



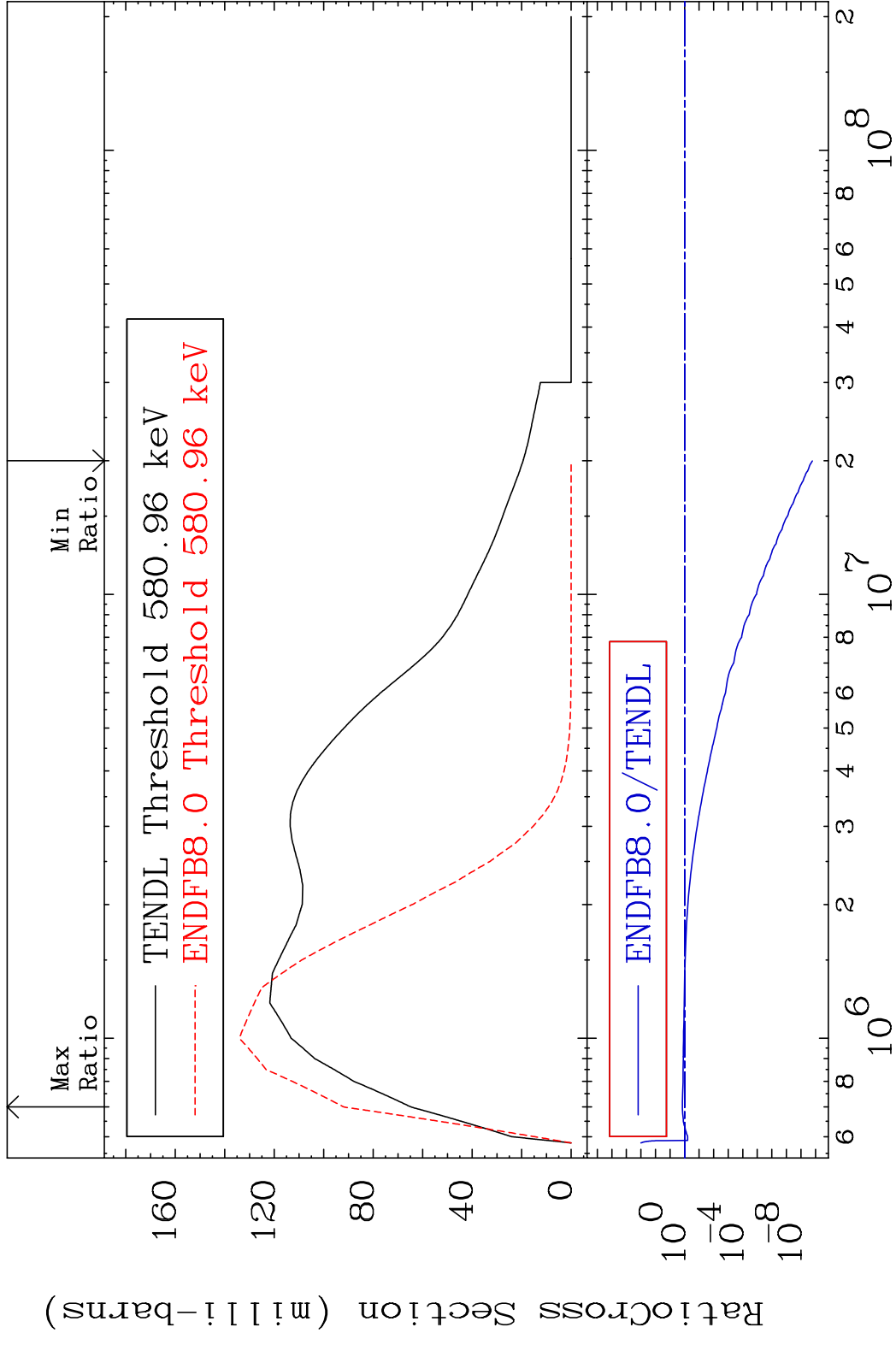
MAT 8028 MT= 58 (n, n') Level 80-Hg-197
 Cross Section 71.43 To 9999. %



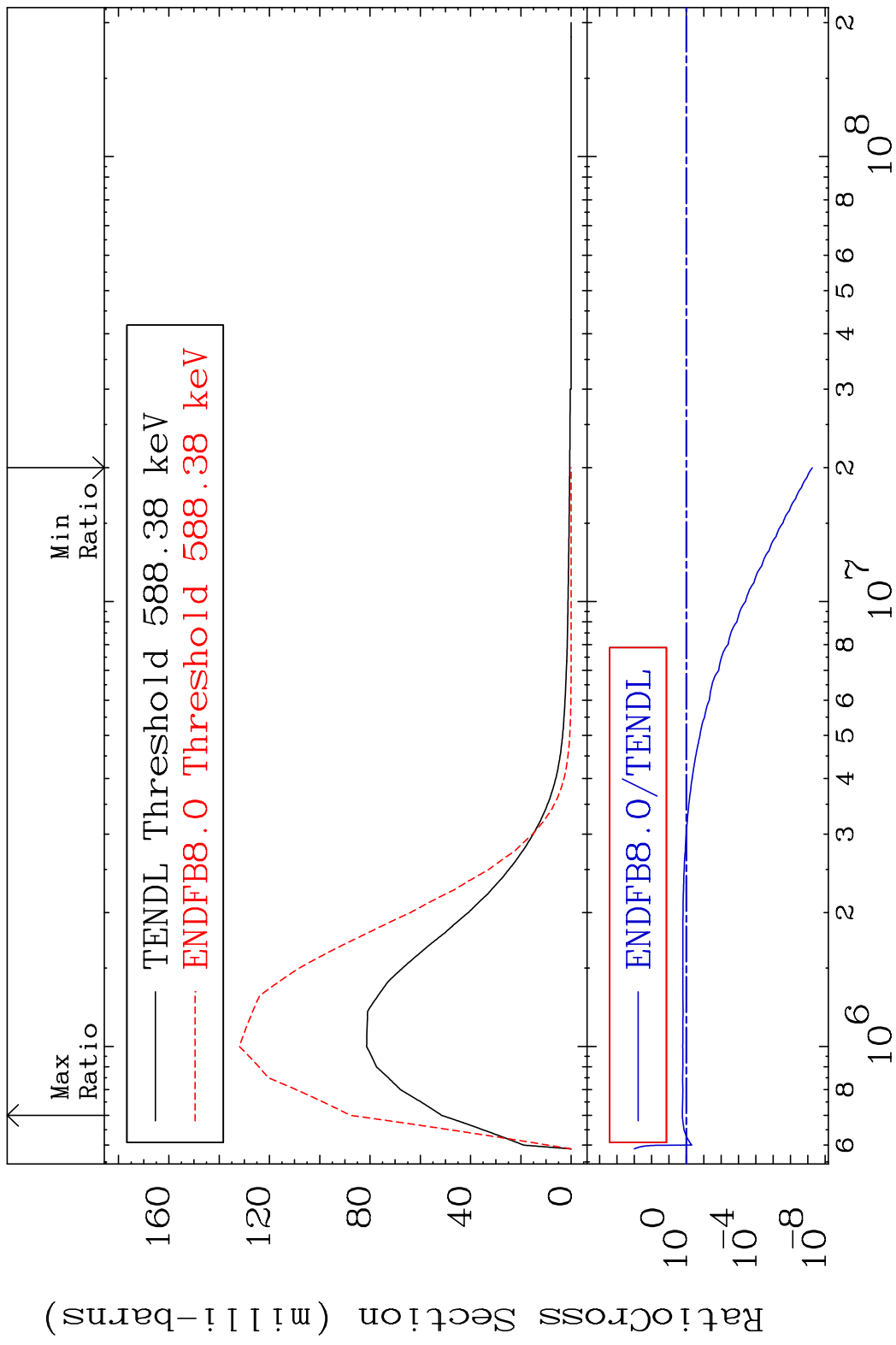
MAT 8028 MT= 59 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 25.99 %



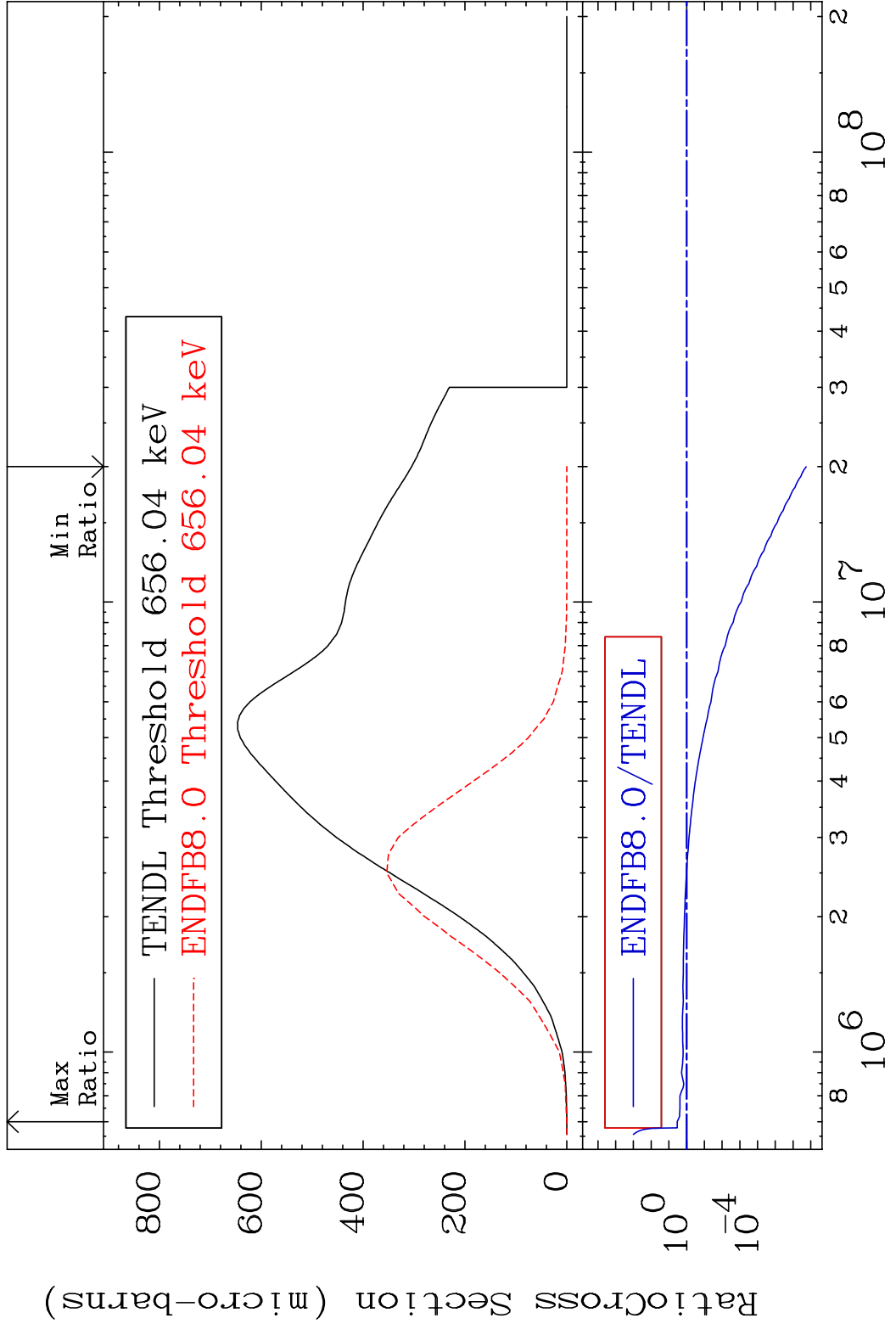
MAT 8028 MT= 60 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 42.00 %



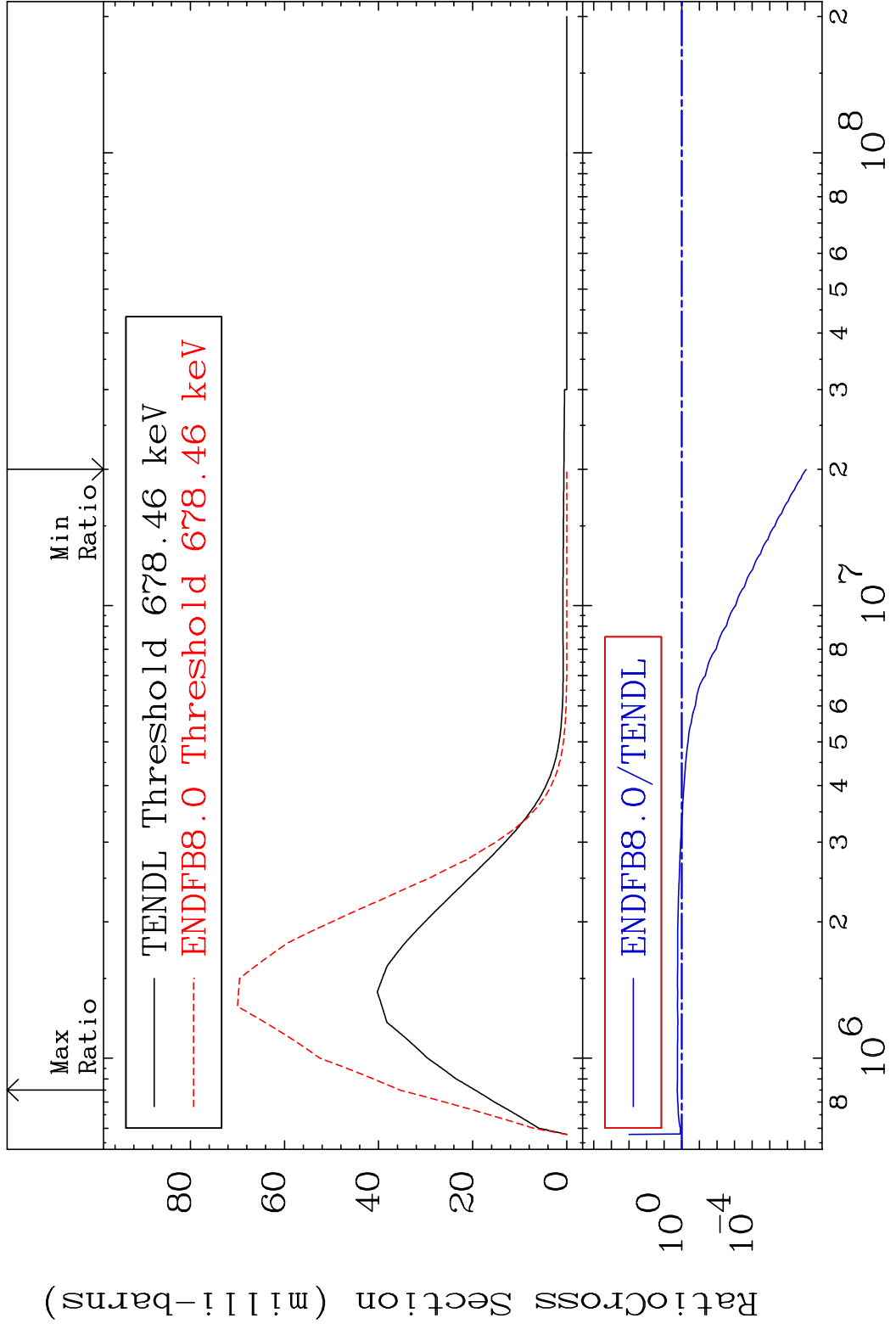
MAT 8028 MT= 61 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 70.44 %



MAT 8028 MT= 62 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 240.1 %

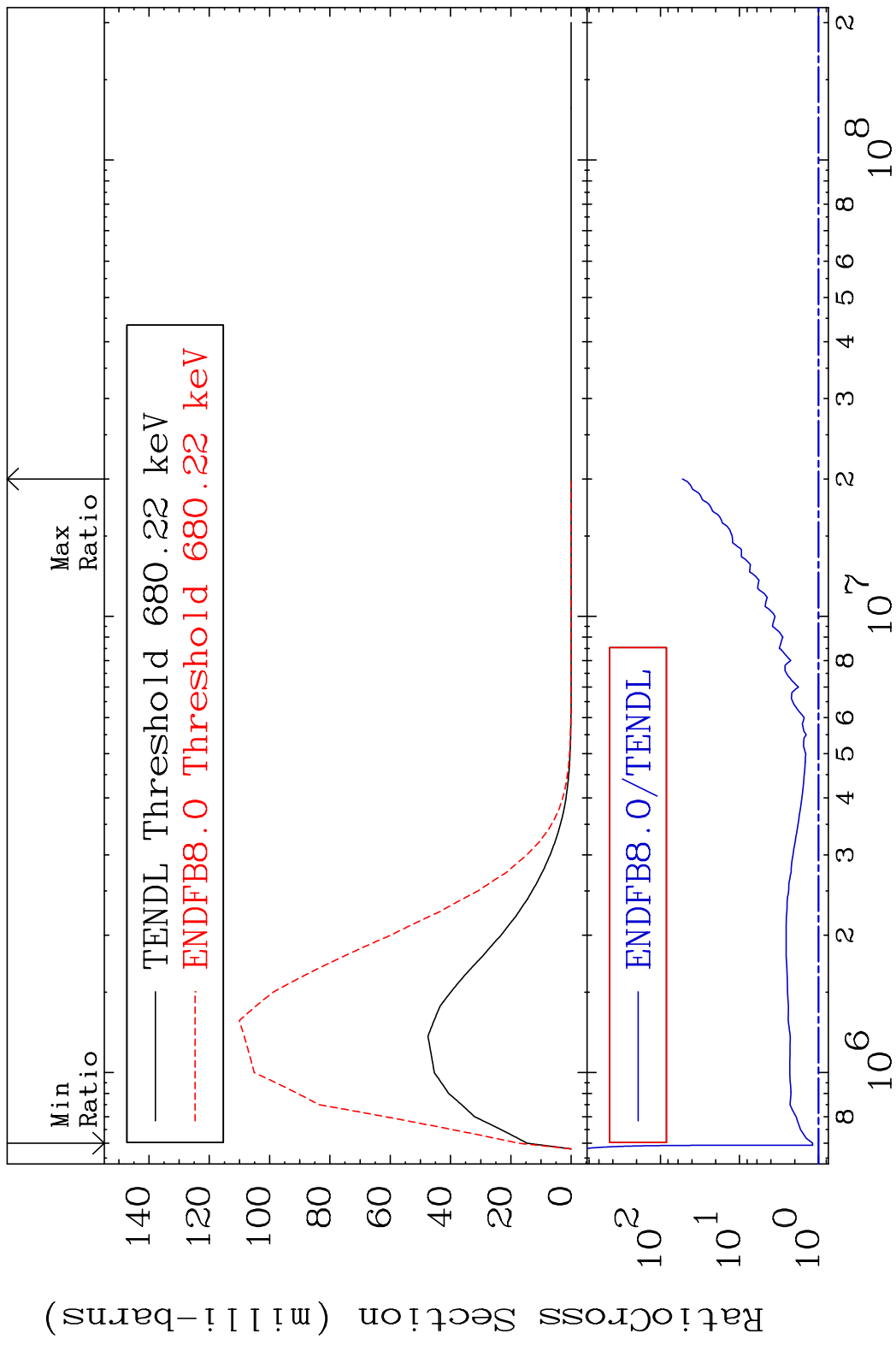


MAT 8028 MT= 63 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 82.06 %



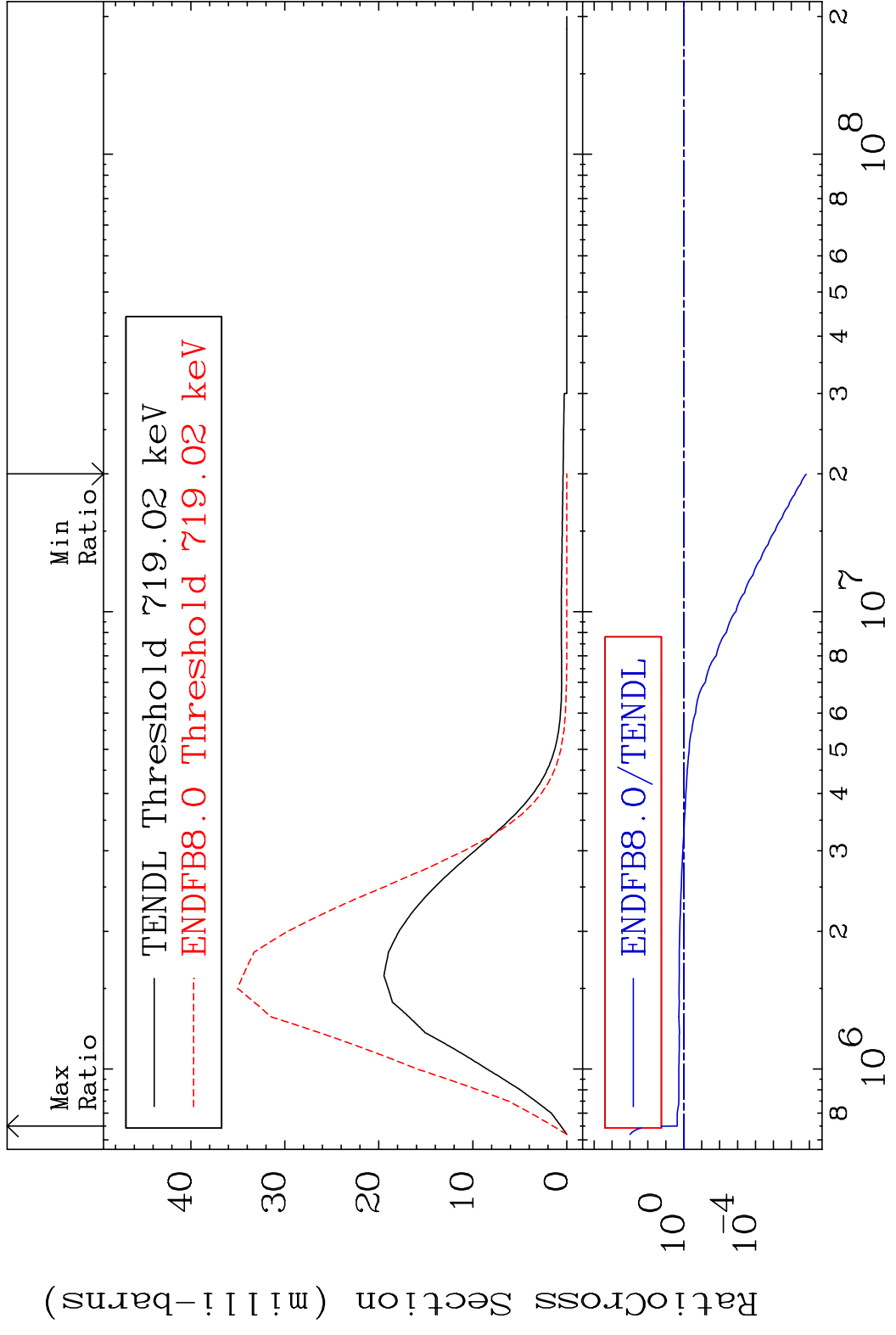
17 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 64 (n, n') Level 80-Hg-197
 Cross Section 19.16 To 5183. %



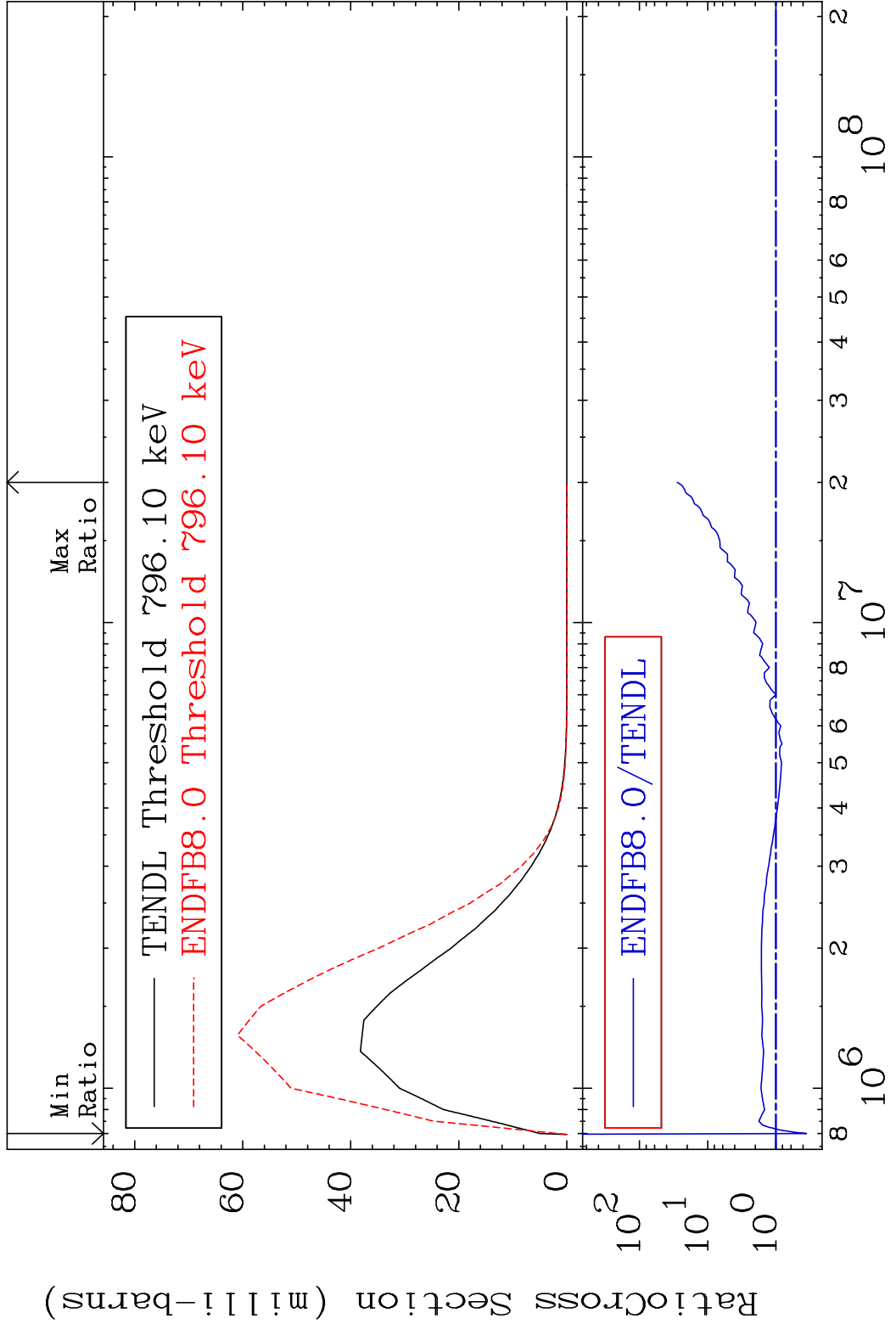
18 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 65 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 131.8 %



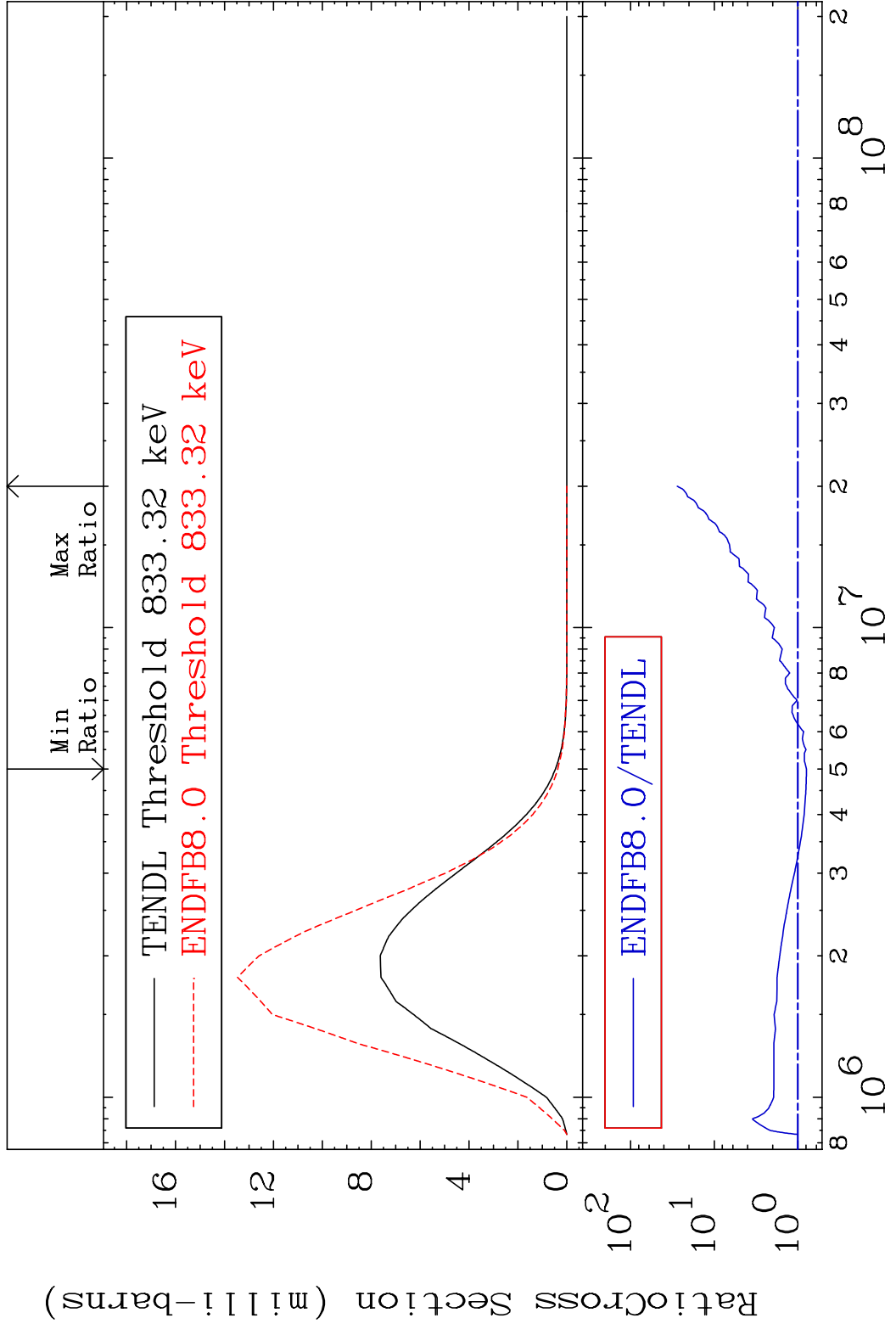
19 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 66 (n, n') Level 80-Hg-197
 Cross Section -64.39 To 2700. %

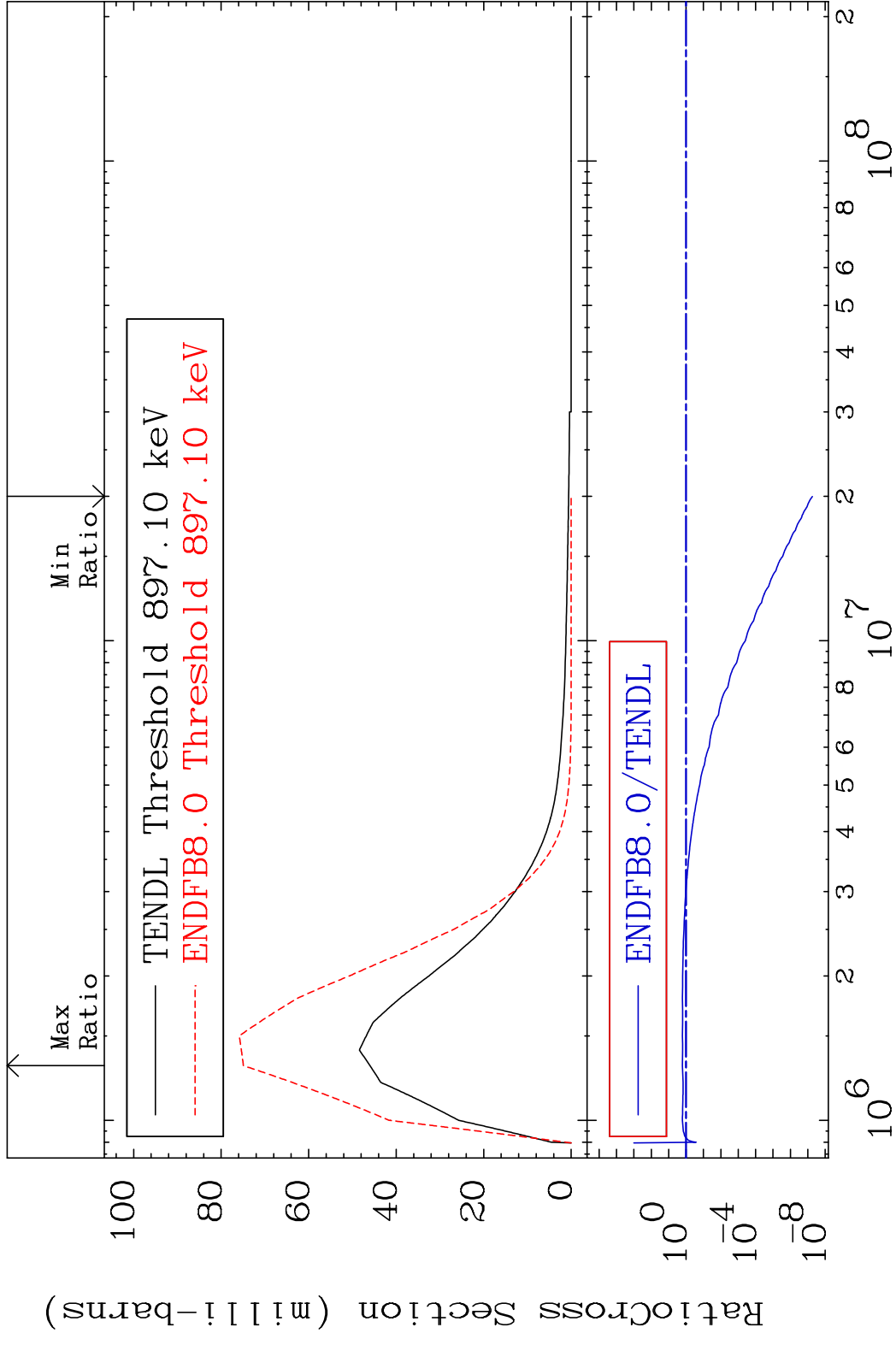


20 Incident Energy (eV) 80-Hg-197

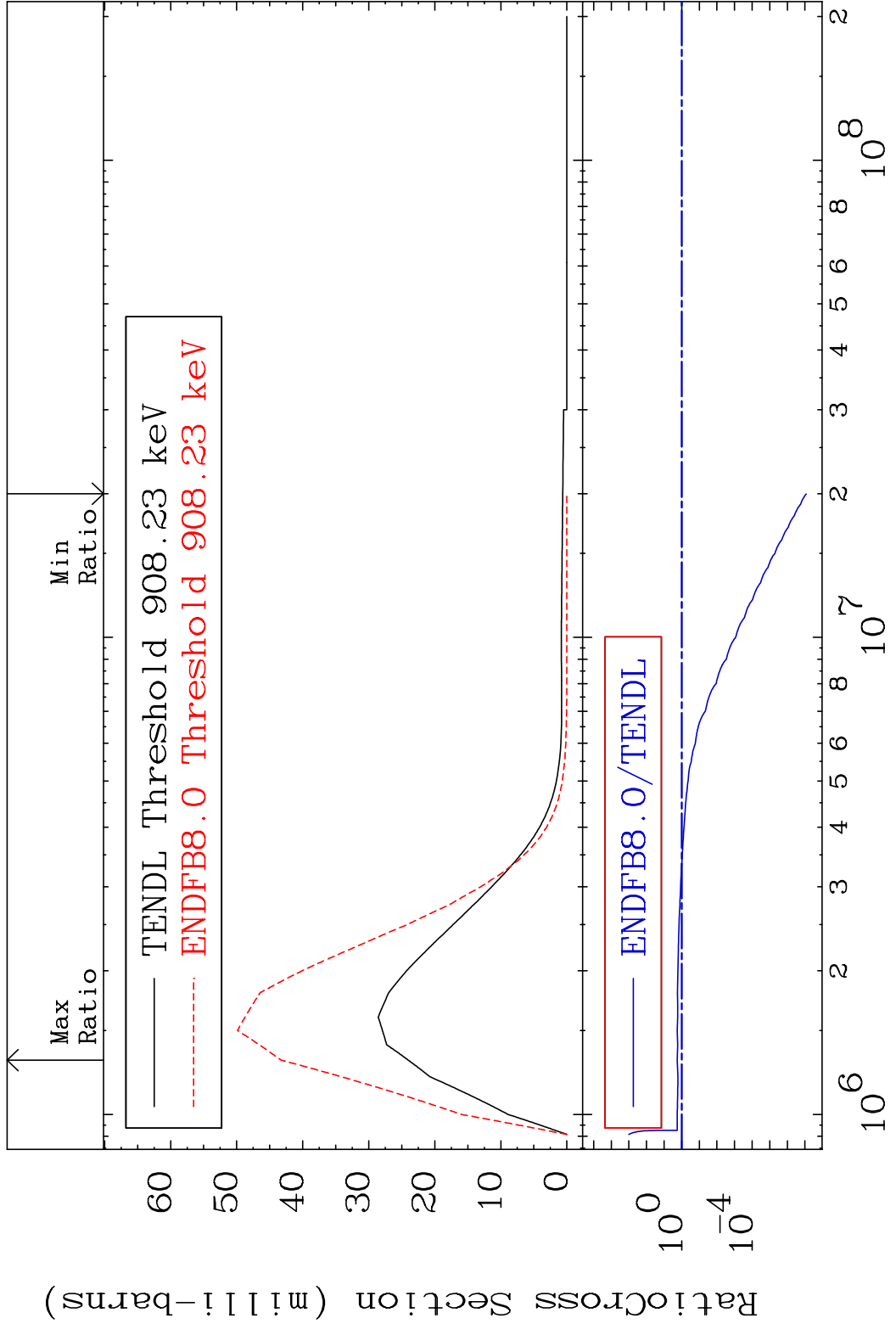
MAT 8028 MT= 67 (n, n') Level 80-Hg-197
 Cross Section -20.80 To 2671. %



MAT 8028 MT= 68 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 62.94 %

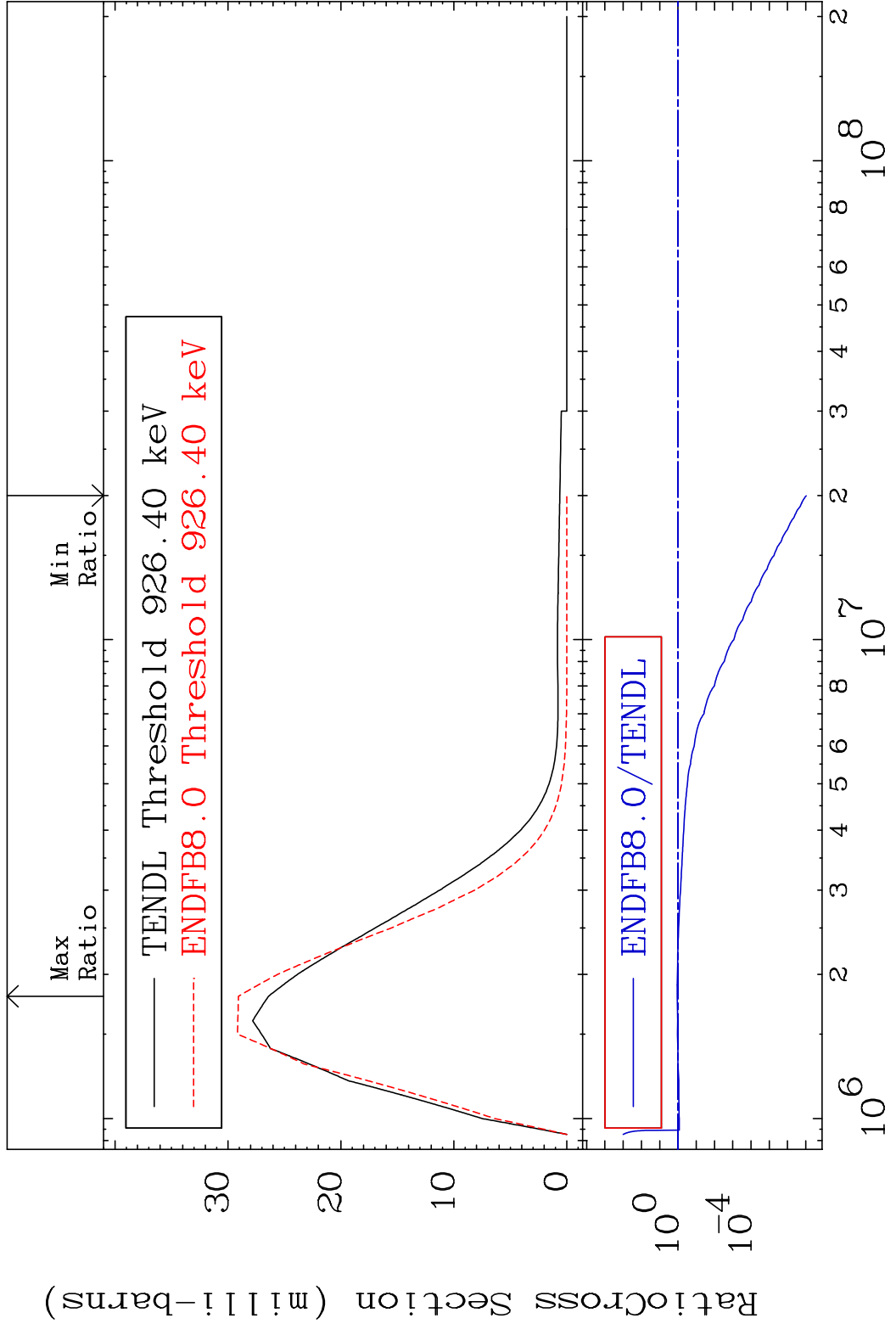


MAT 8028 MT= 69 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 80.24 %



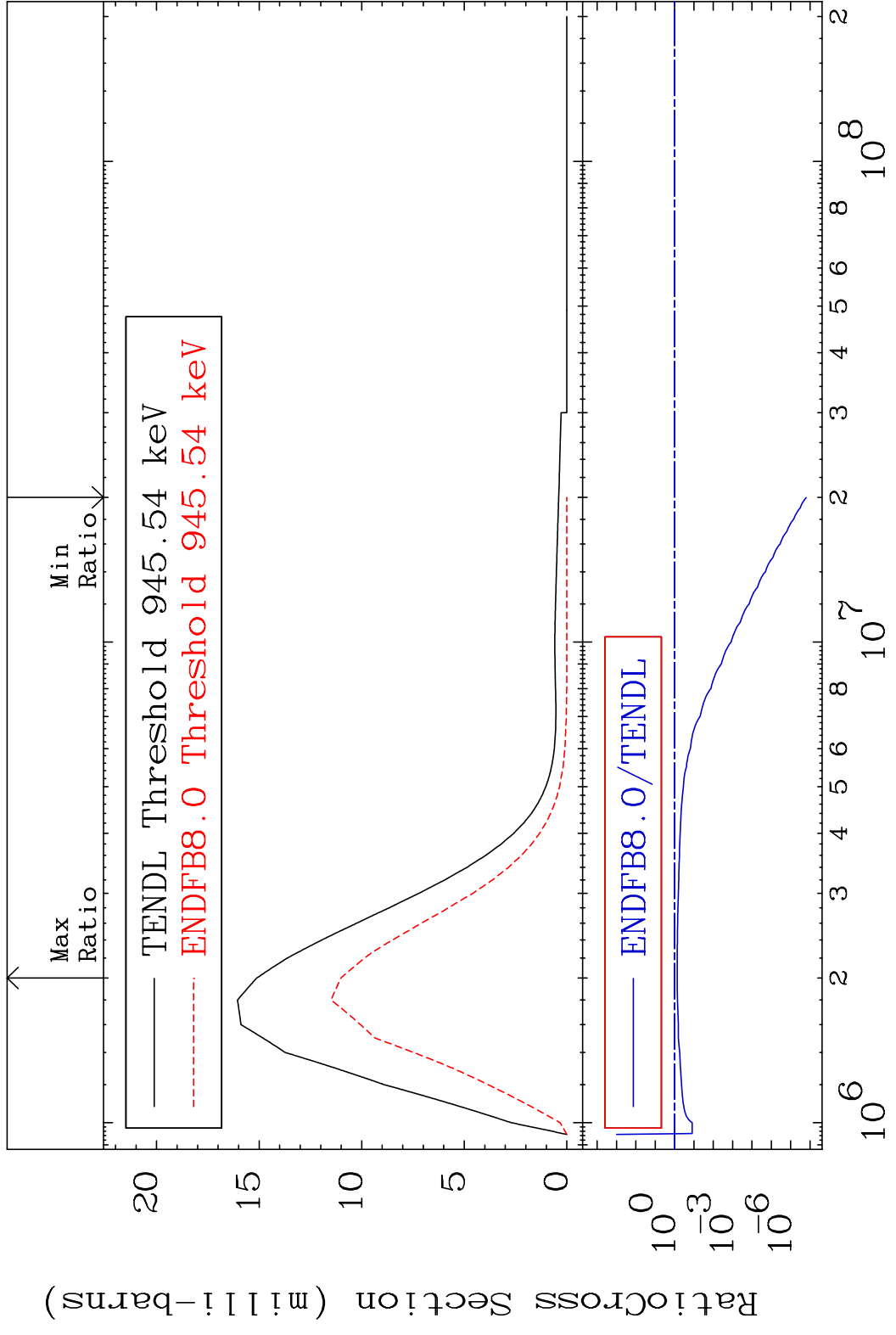
23 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 70 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 10.07 %



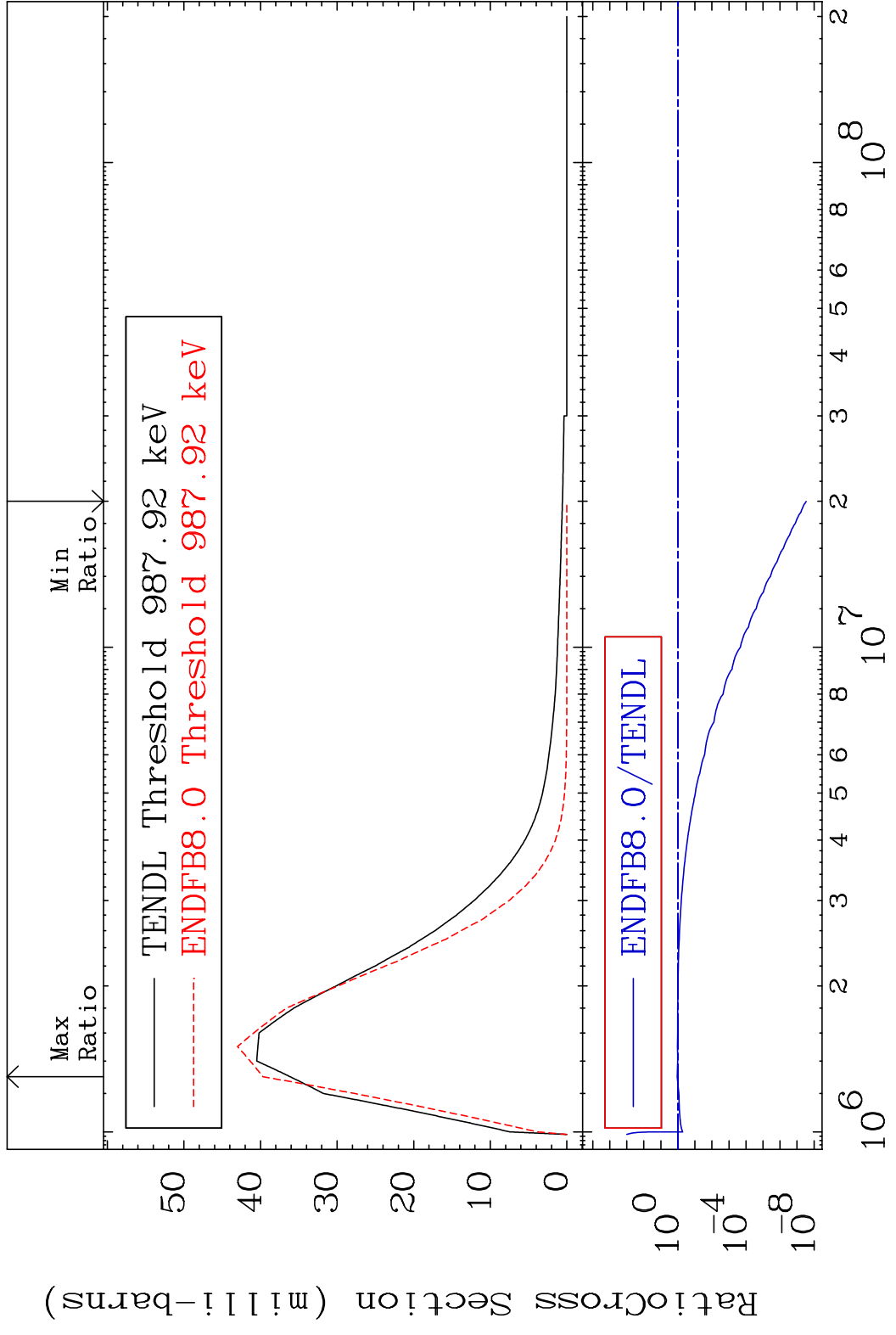
24 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 71 (n, n') Level 80-Hg-197
 Cross Section -100.0 To -27.11%



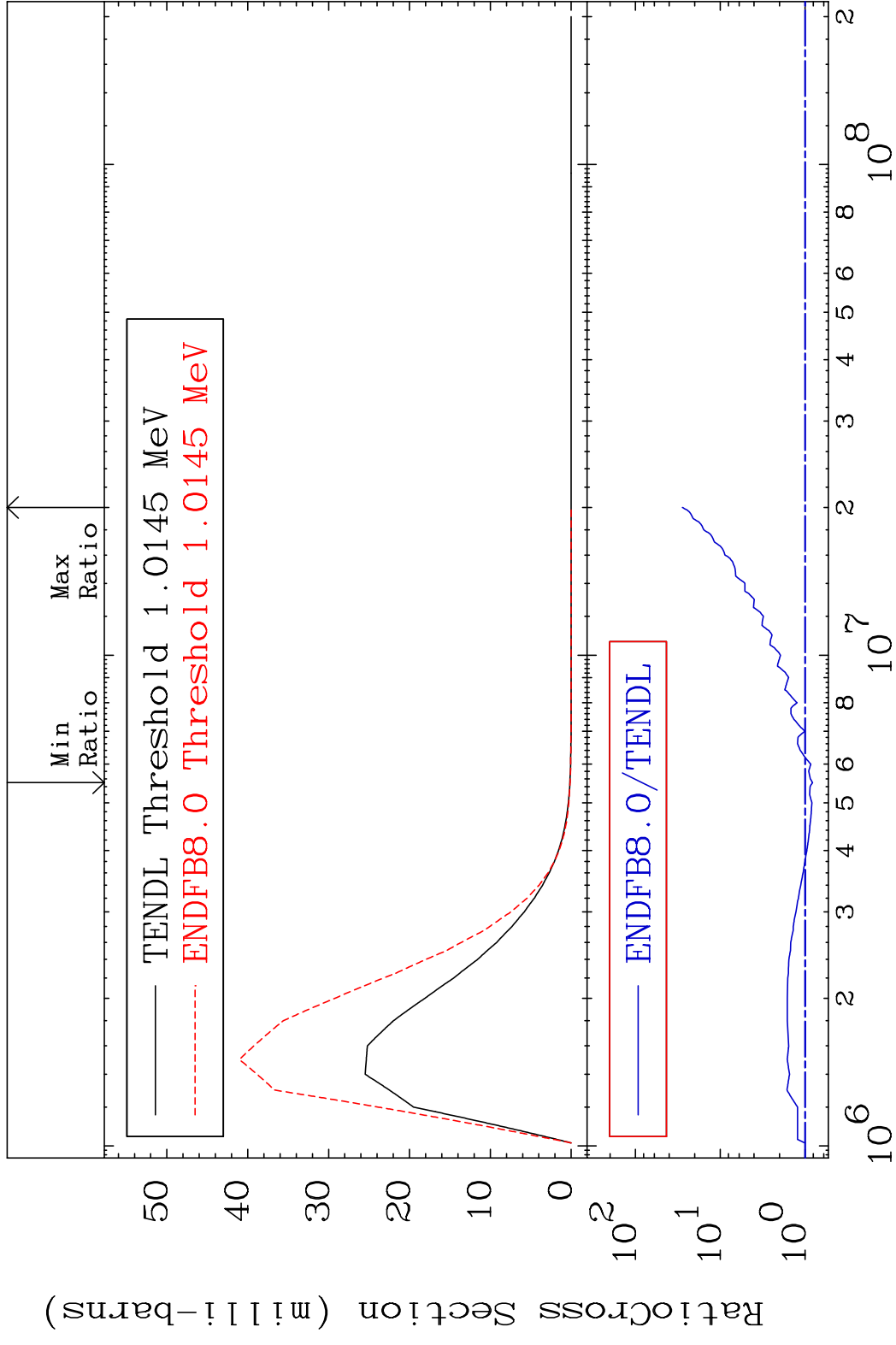
25 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 72 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 9.823 %



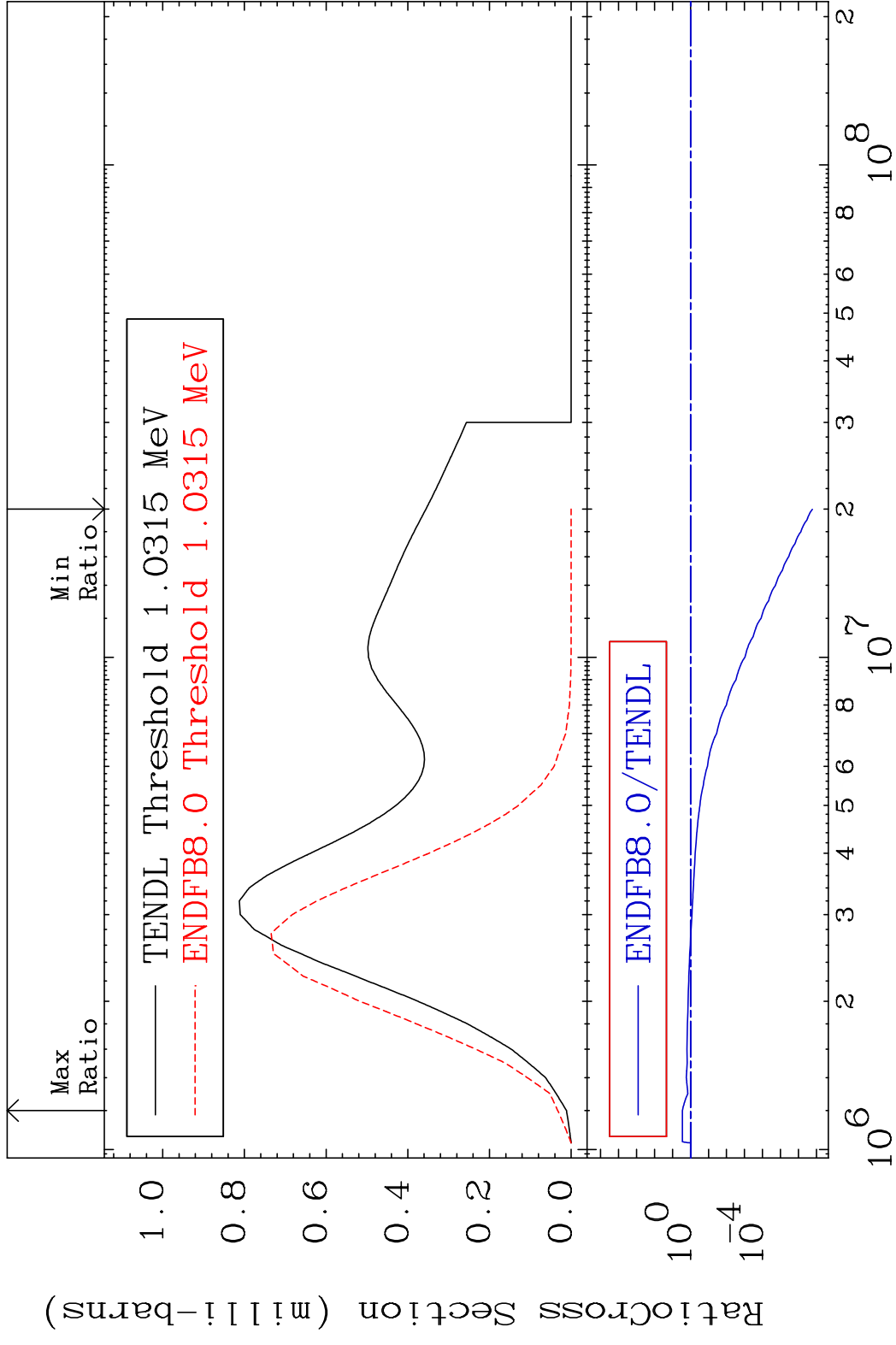
26 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 73 (n, n') Level 80-Hg-197
 Cross Section -18.51 To 2701. %



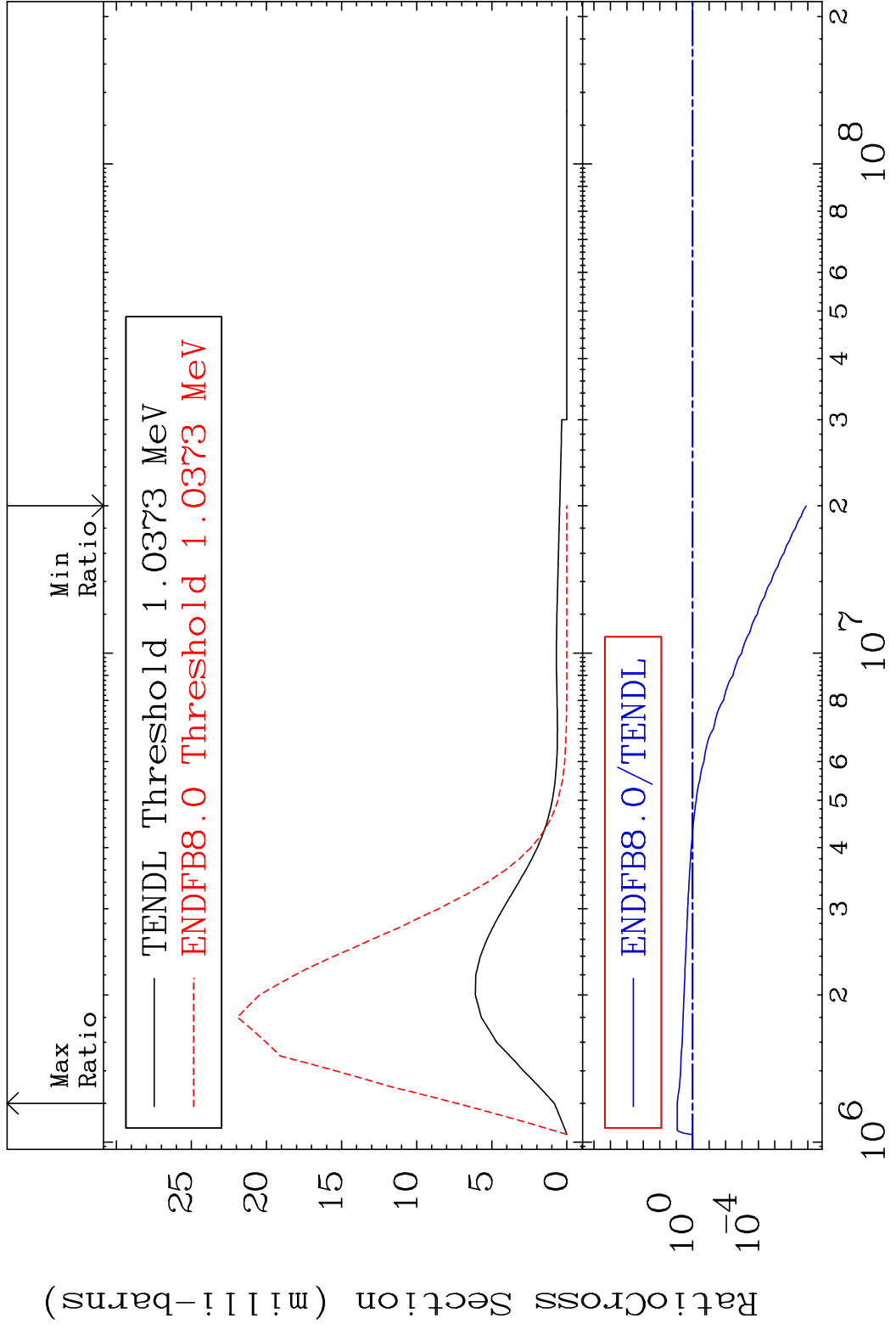
27 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 74 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 185.1 %



28 Incident Energy (eV) 80-Hg-197

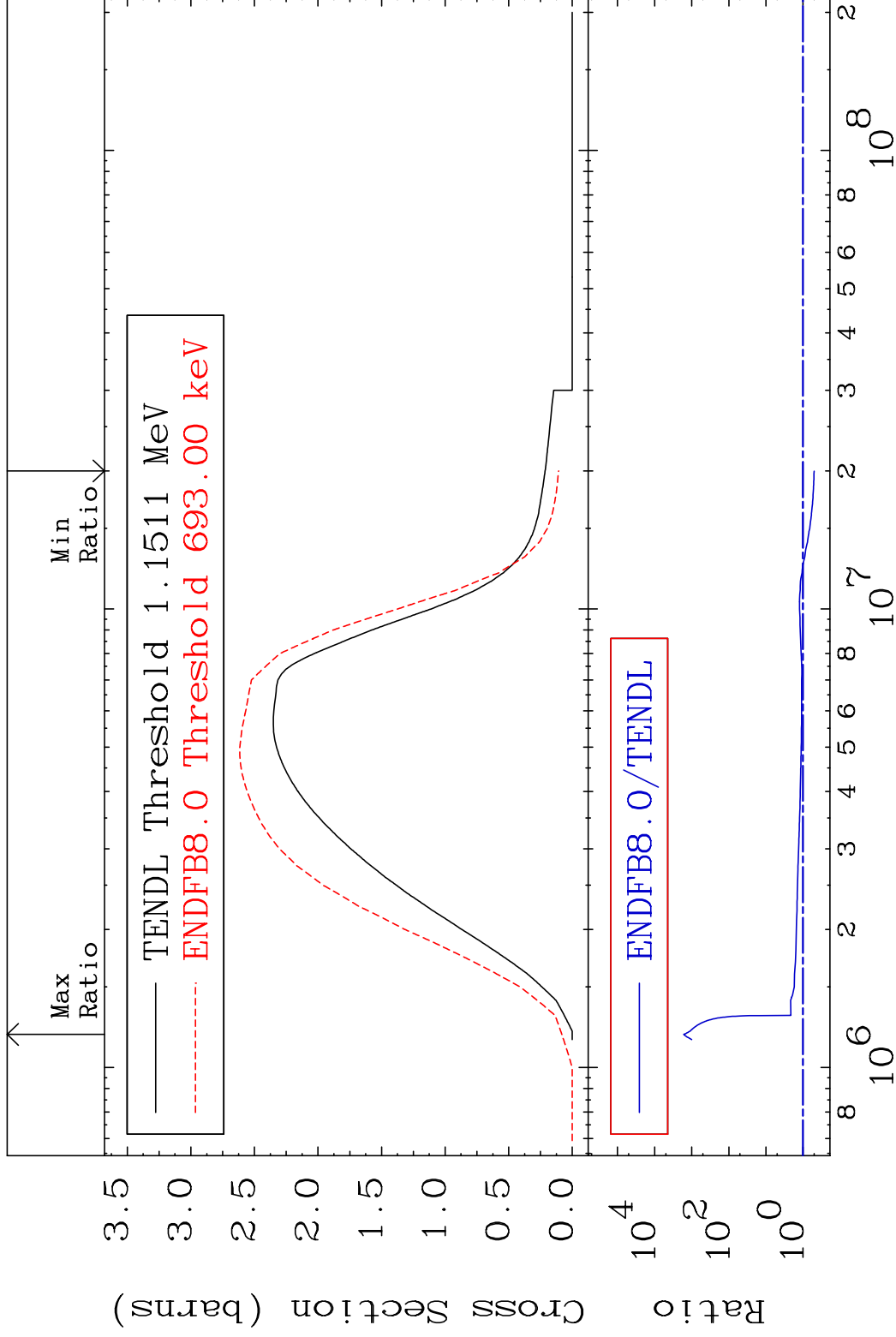
MAT 8028 MT= 75 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 774.2 %



29 80-Hg-197

MAT 8028

(n, n') Continuum 80-Hg-197
Cross Section -49.65 To 9999. %



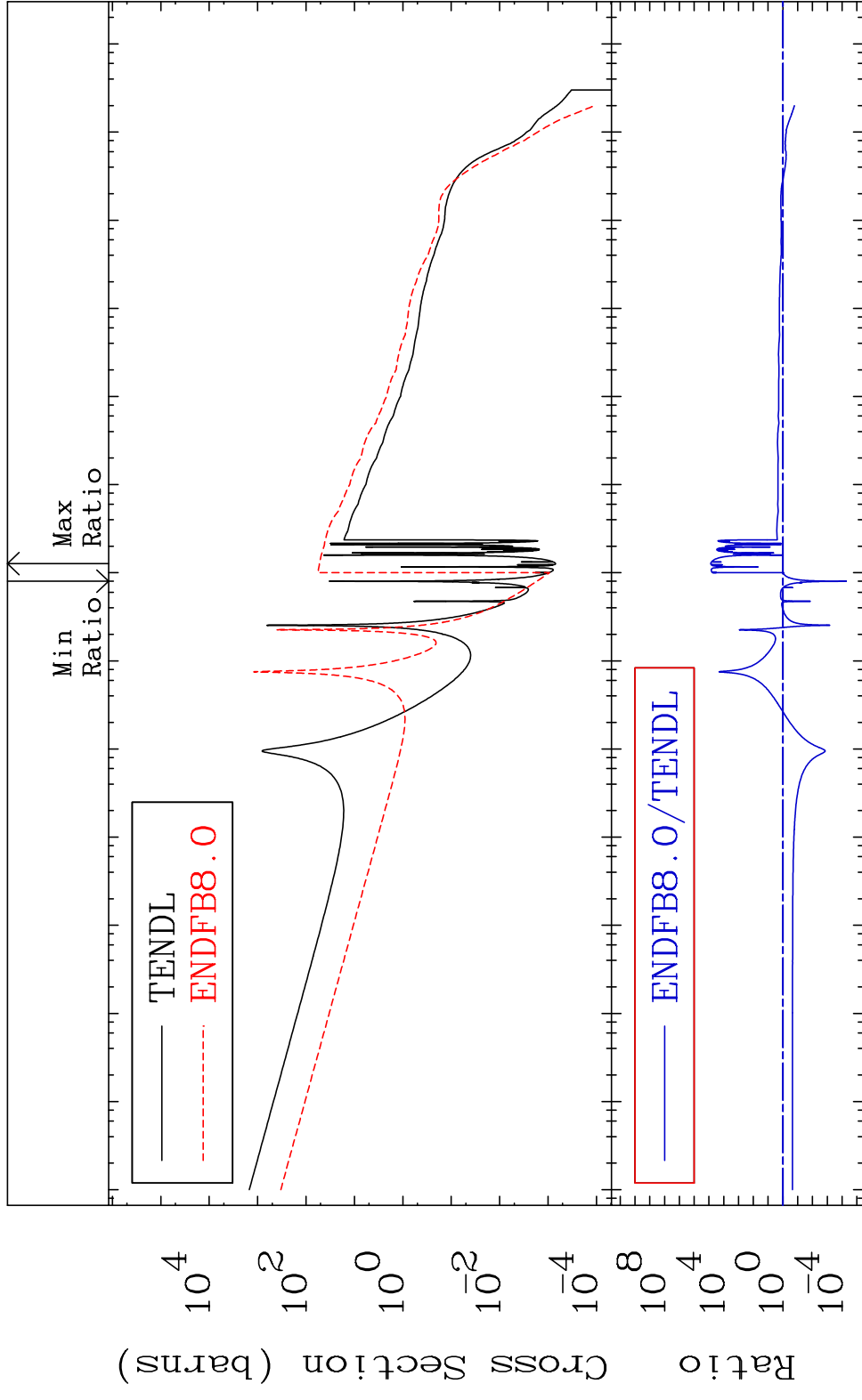
30

Incident Energy (eV)

80-Hg-197

MAT 8028

(n, γ)
Cross Section -99.99 To 9999. %
80-Hg-197

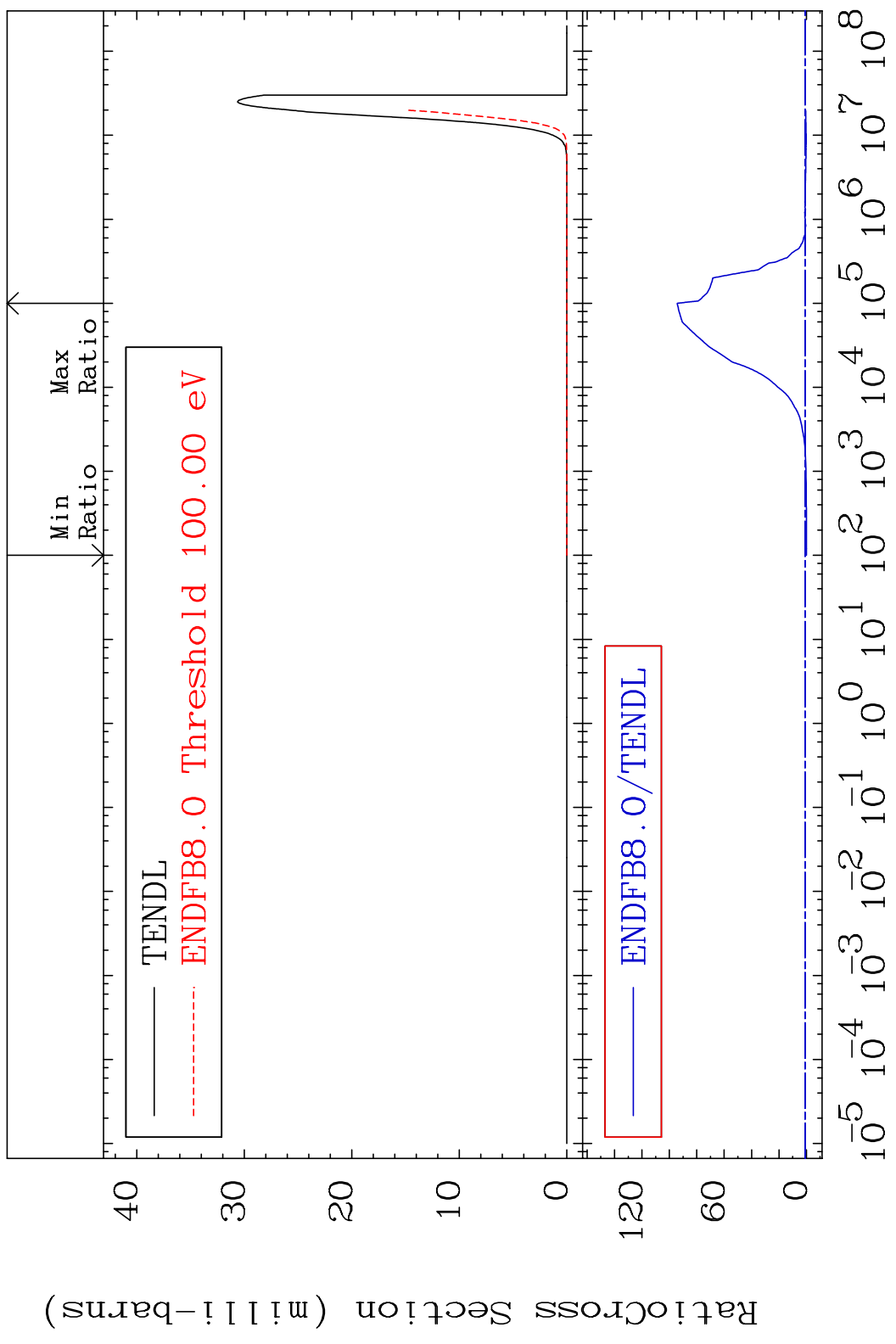


MAT 8028

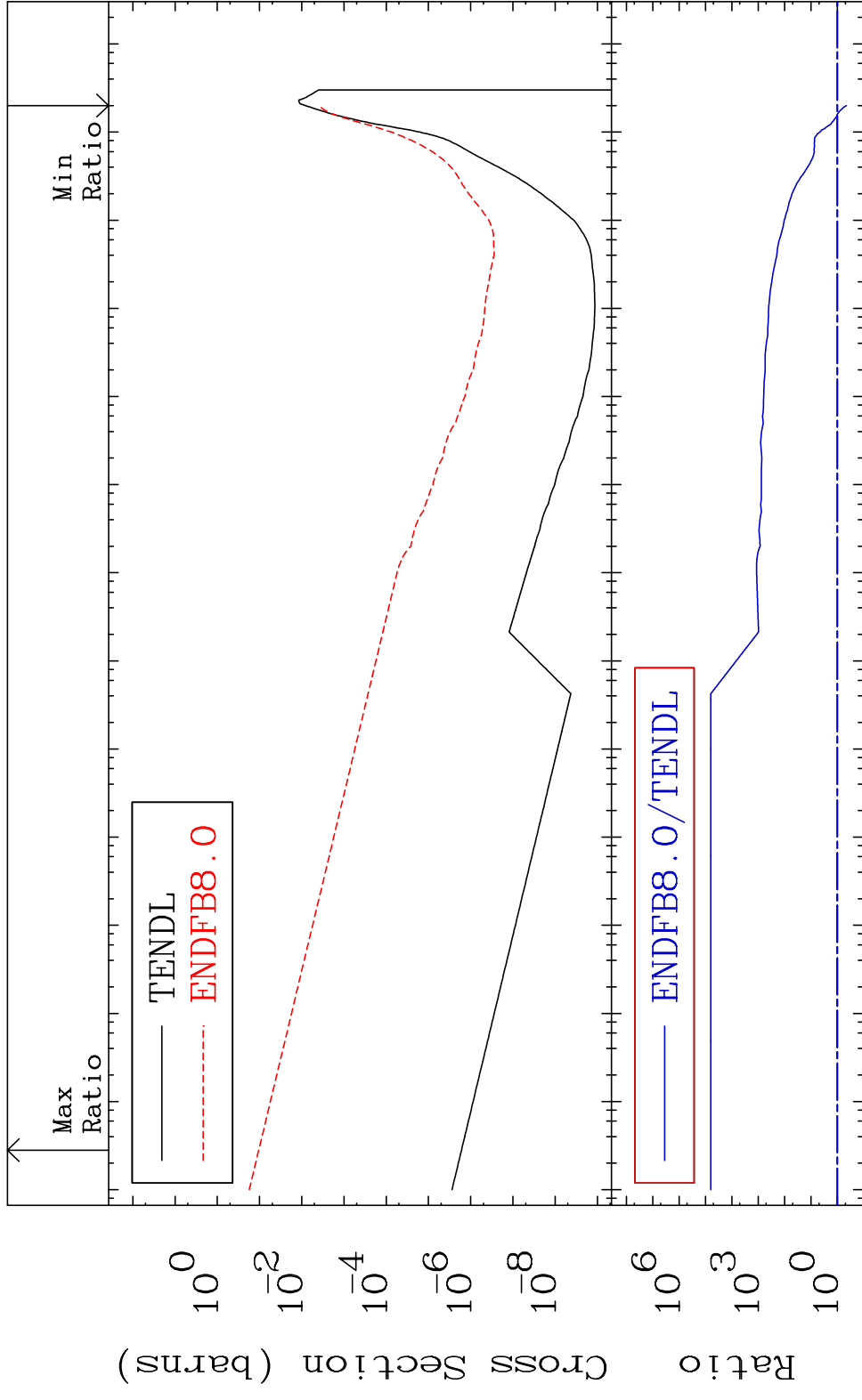
(n, p)

80-Hg-197

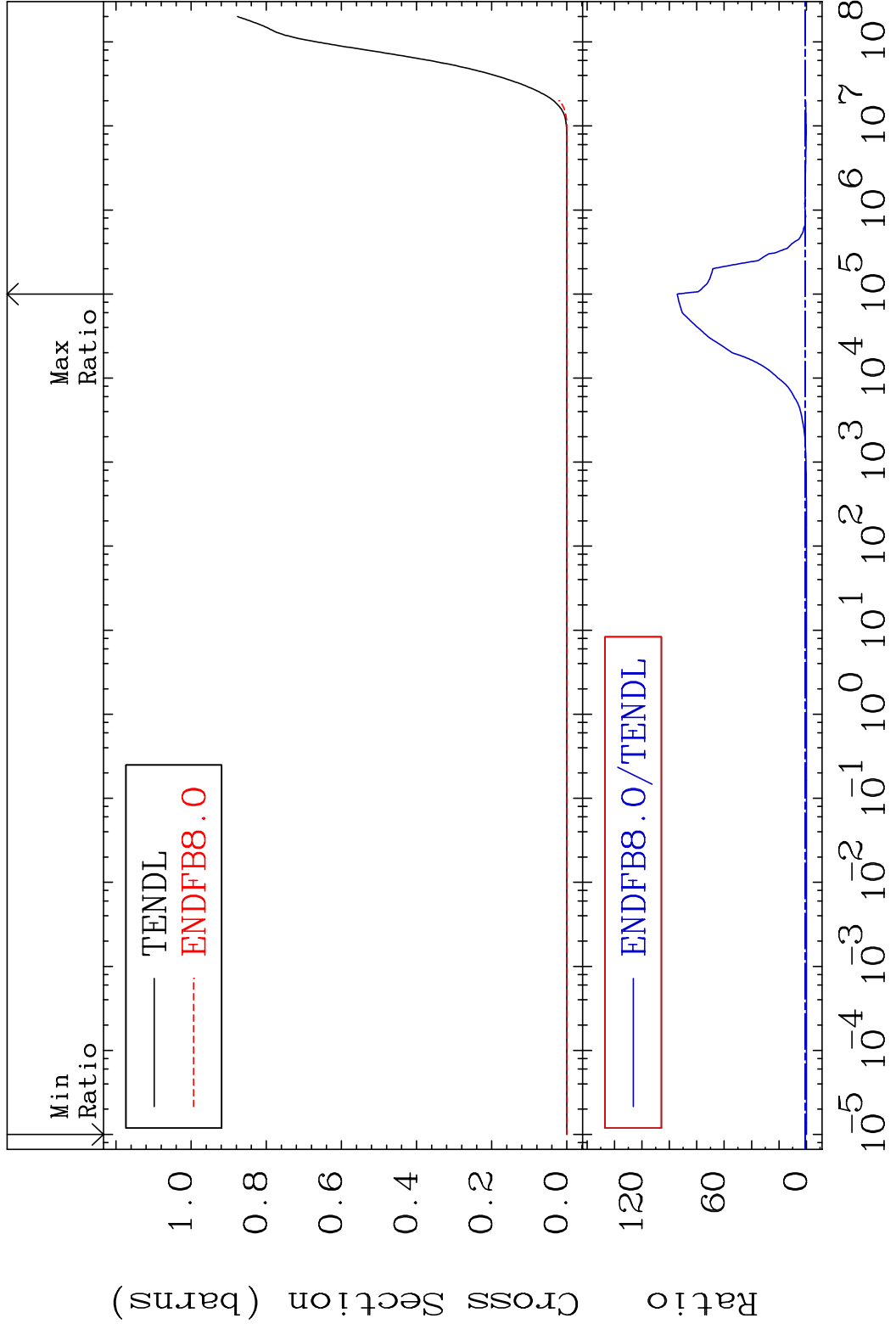
Cross Section -100.0 To 9328. %



MAT 8028 (n, α) 80-Hg-197
 Cross Section -54.09 To 9999. %



MAT 8028 Hydrogen Production 80-Hg-197
 Cross Section -100.0 To 9328. %

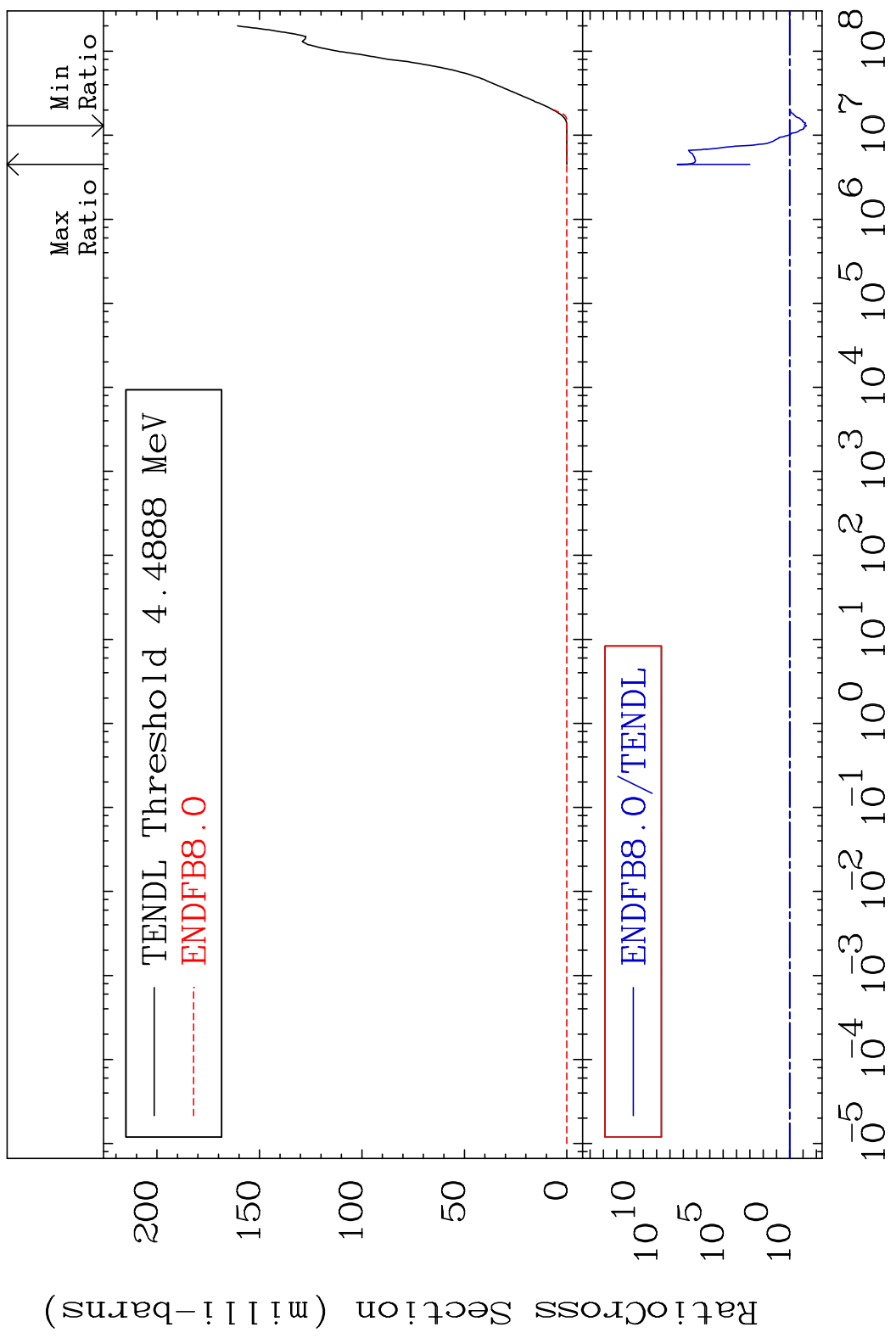


MAT 8028

Deuterium Production

80-Hg-197

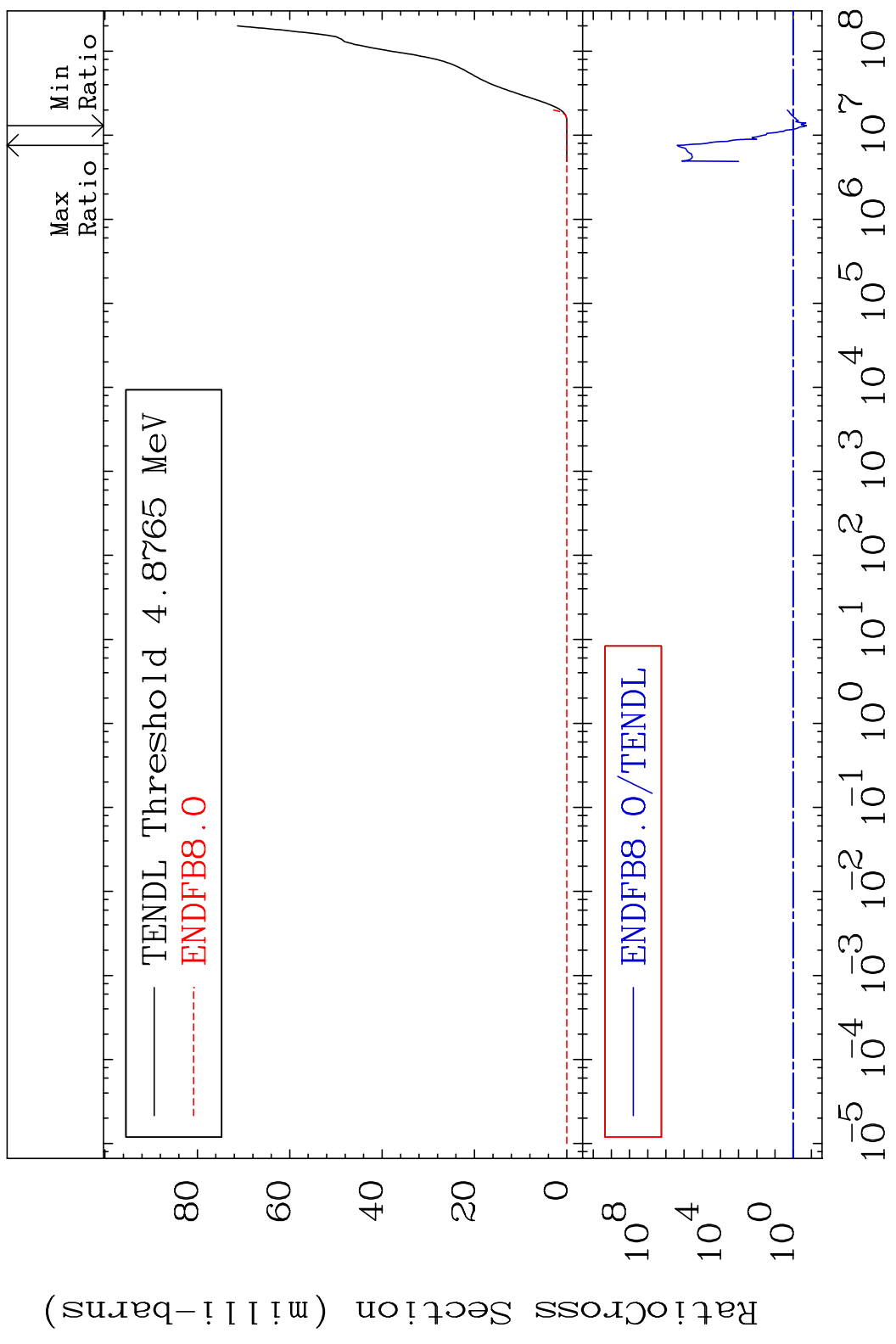
Cross Section -94.34 To 9999. %



MAT 8028

Tritium Production
Cross Section -81.29 To 9999. %

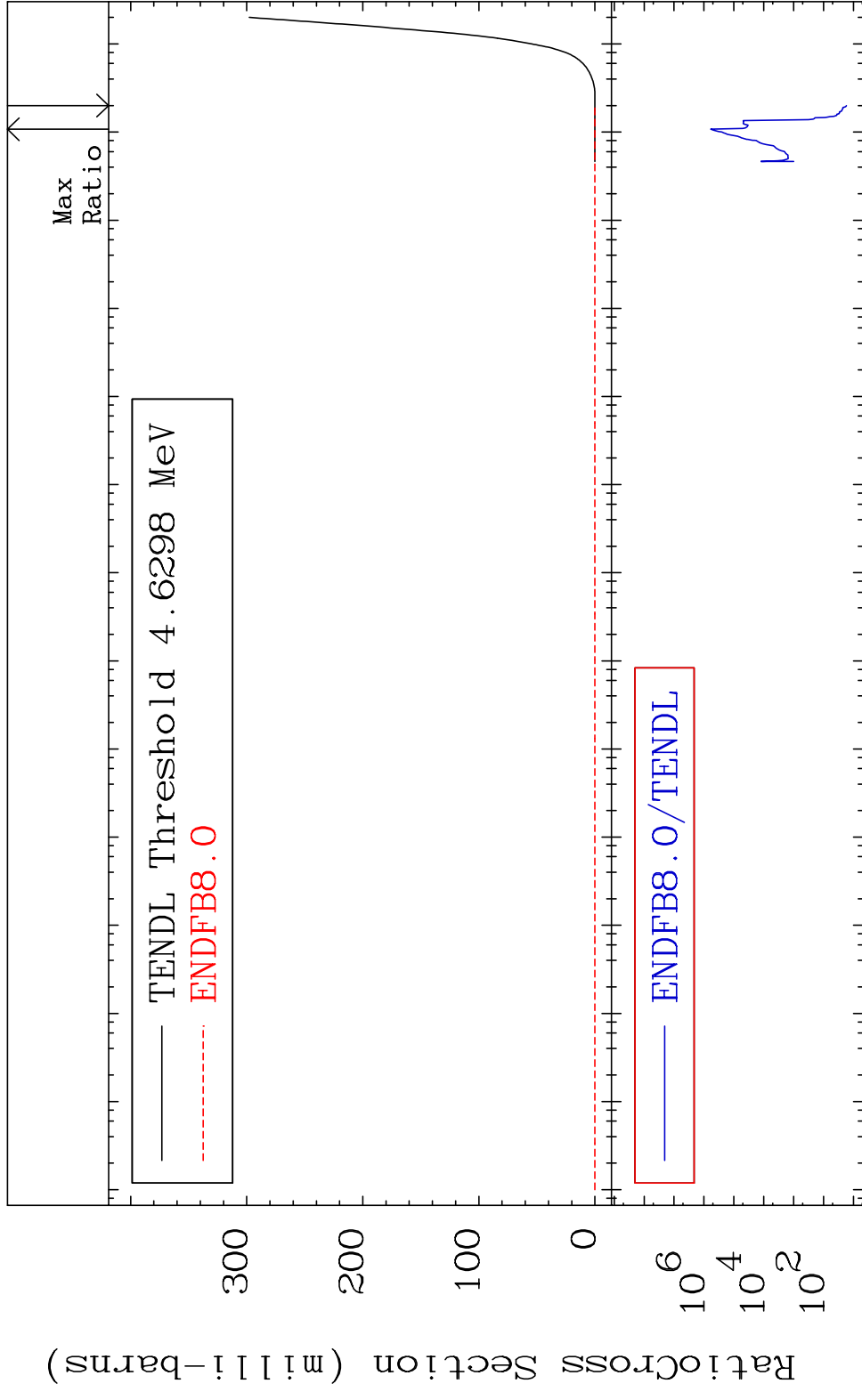
80-Hg-197



MAT 8028

He-3 Production
Cross Section 1624. To 9999. %

80-Hg-197

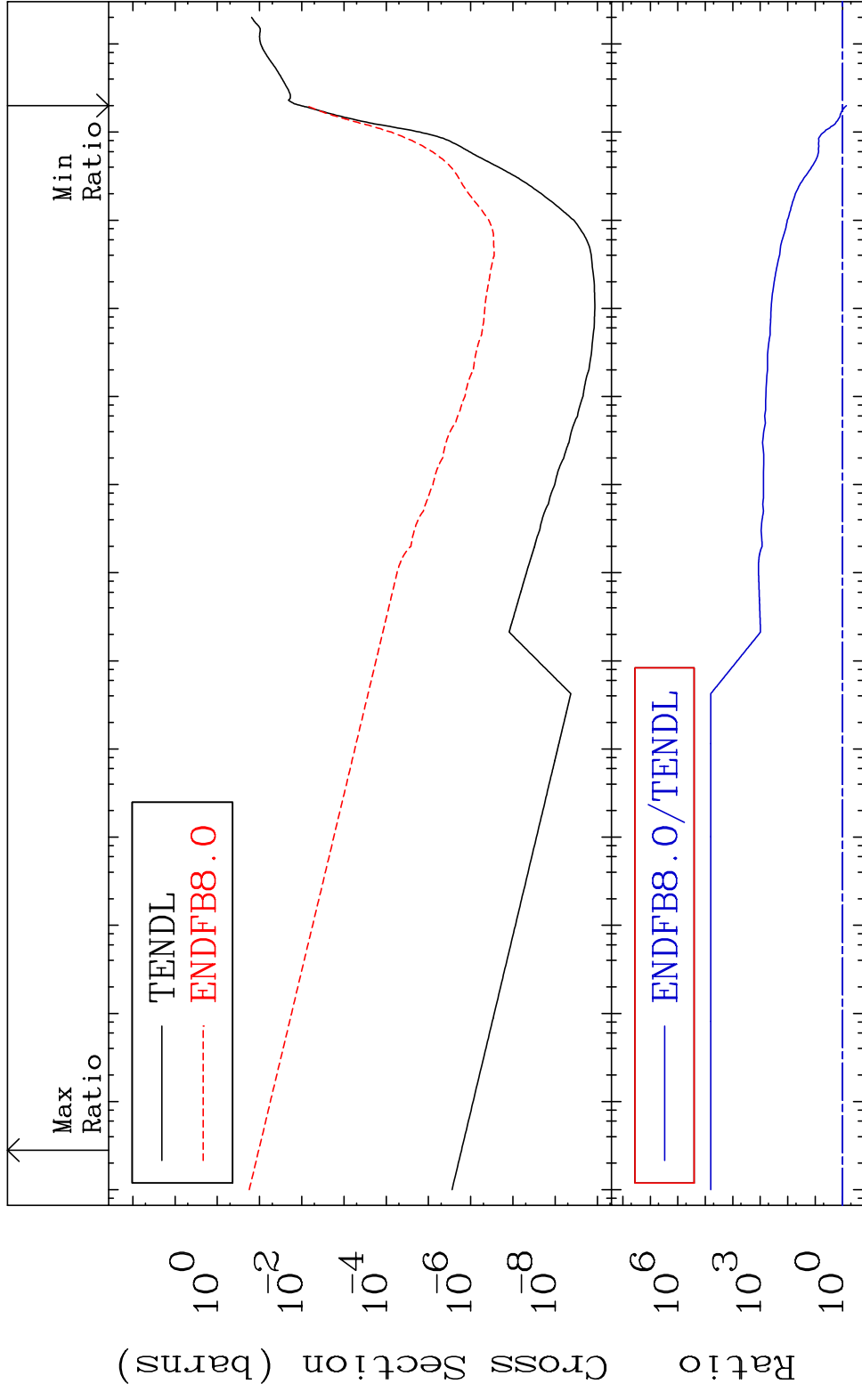


MAT 8028

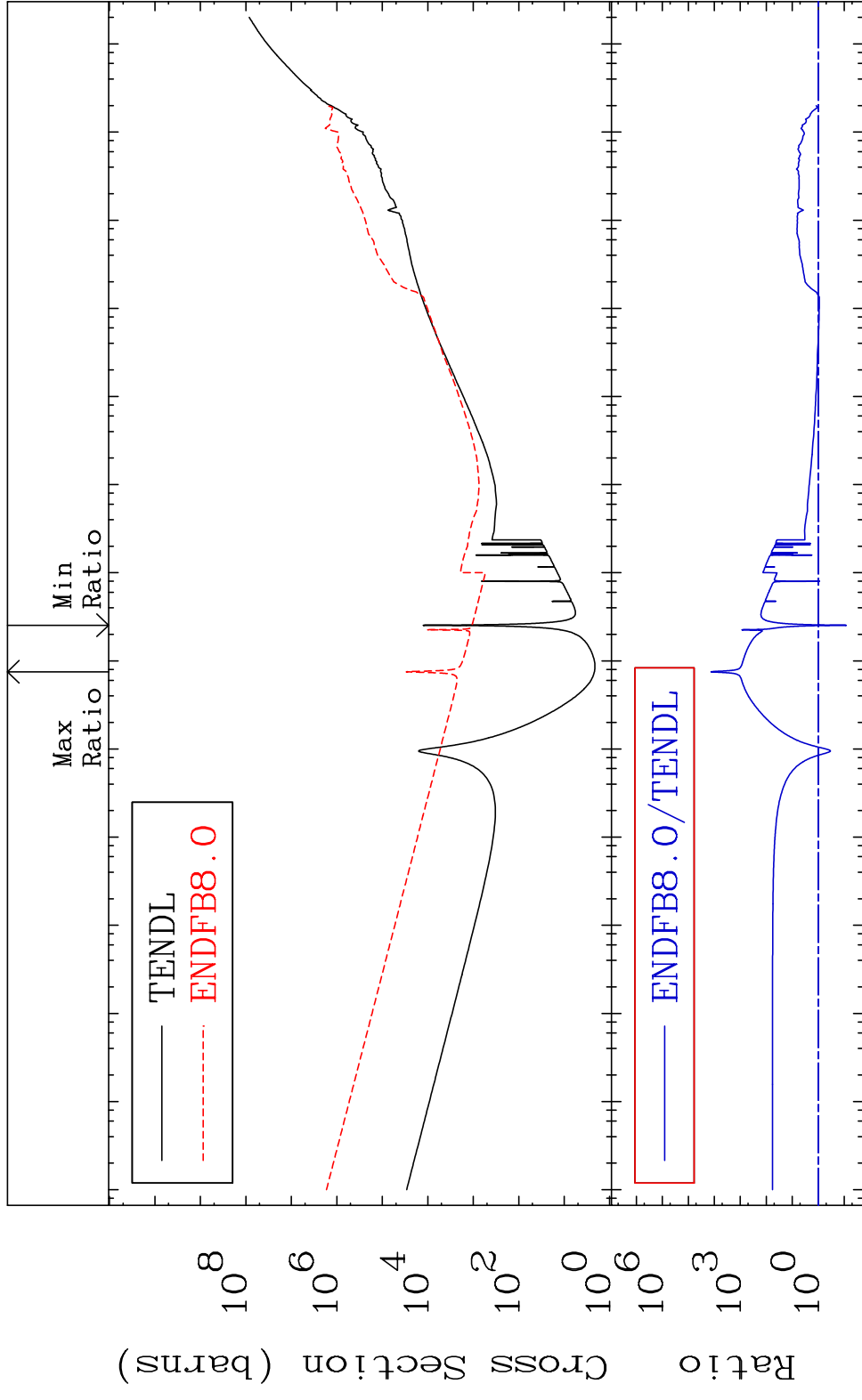
He-4 Production

80-Hg-197

Cross Section -26.28 To 9999. %



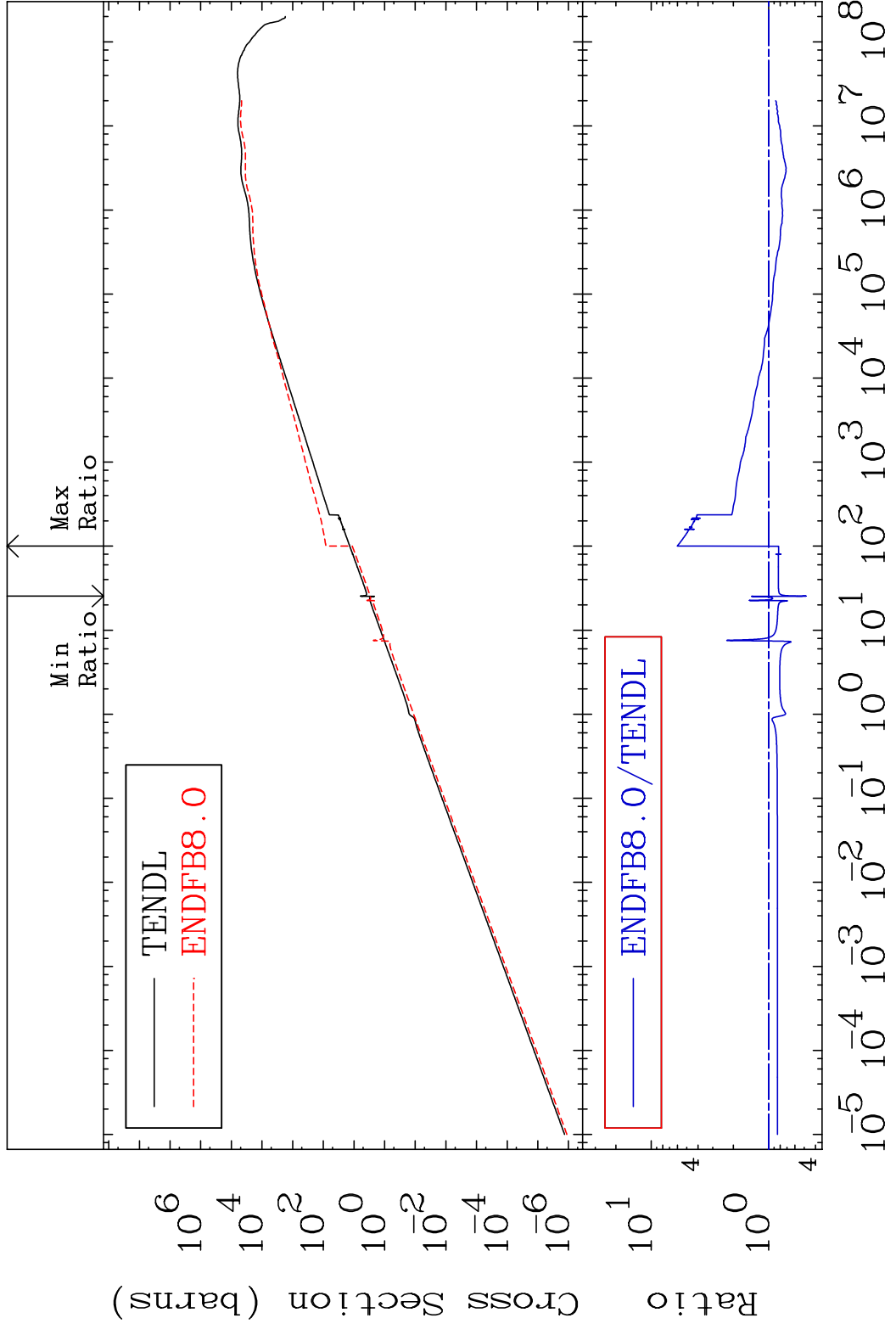
MAT 8028 Kerma total (eV-barns) 80-Hg-197
 Cross Section -91.62 To 9999. %



Ratio
 Cross Section (barns)
 Incident Energy (eV)

MAT 8028

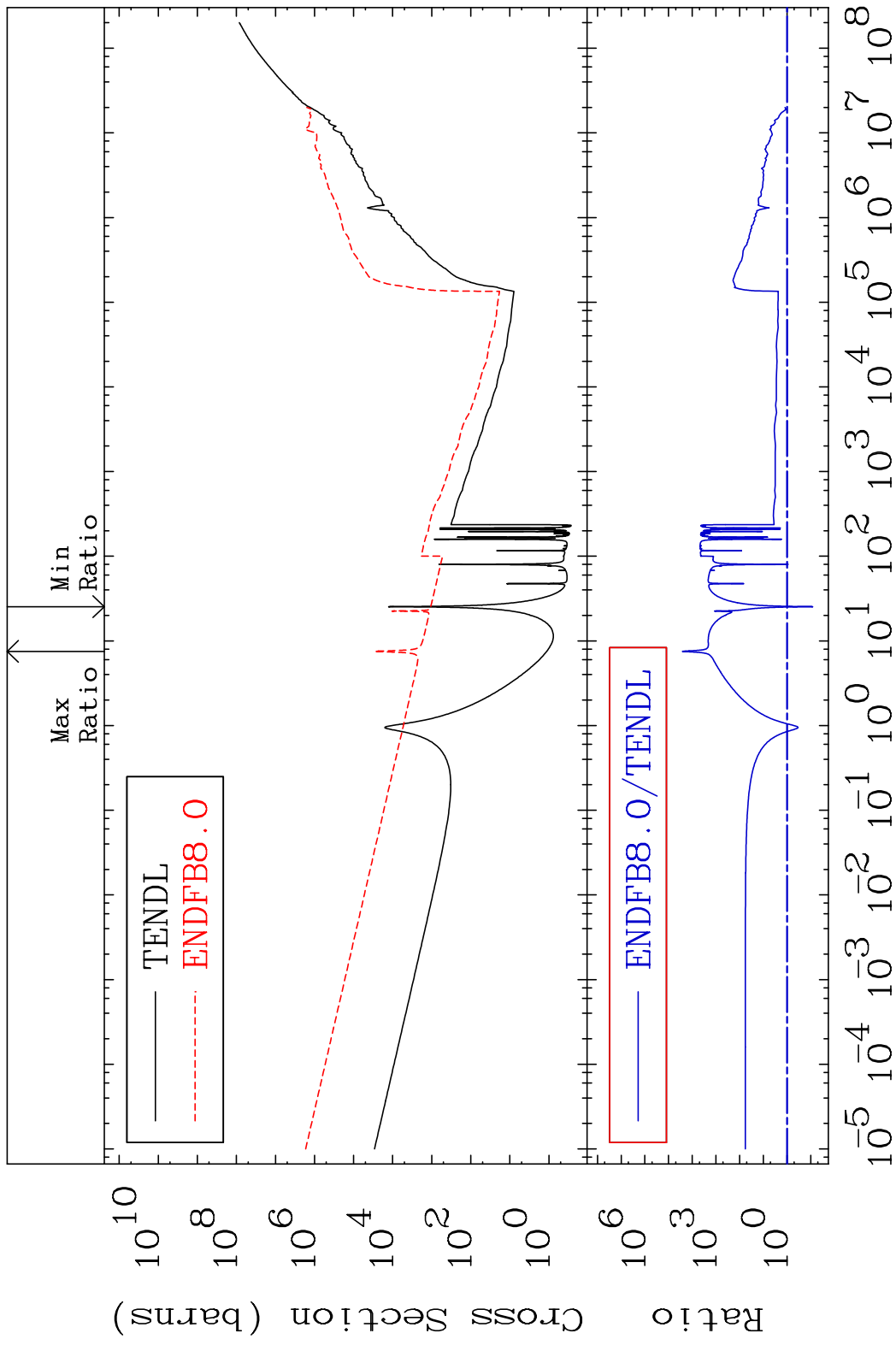
Kerma elastic Cross Section -52.19 To 502.1 %
80-Hg-197



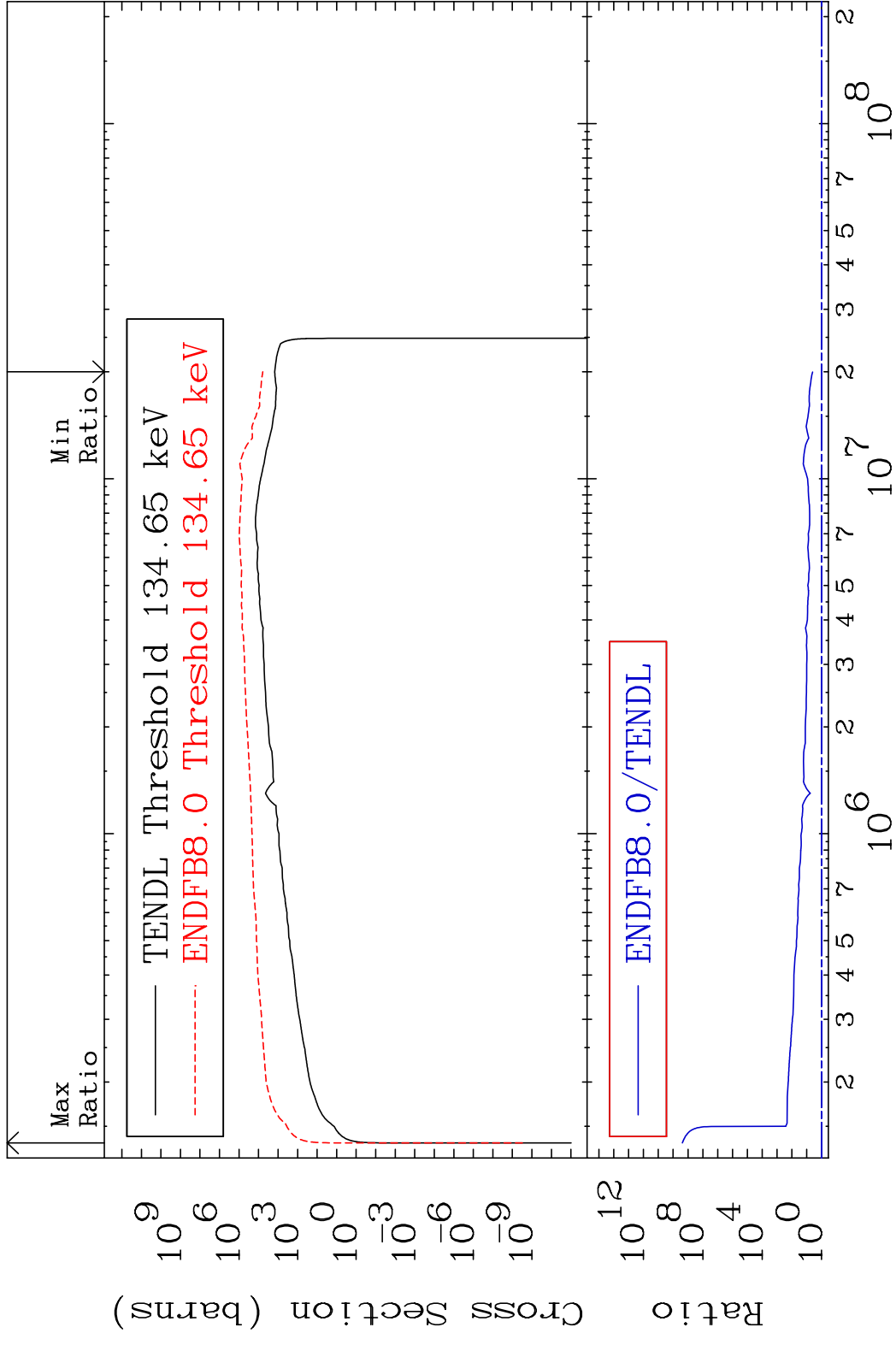
40

Incident Energy (eV) 80-Hg-197

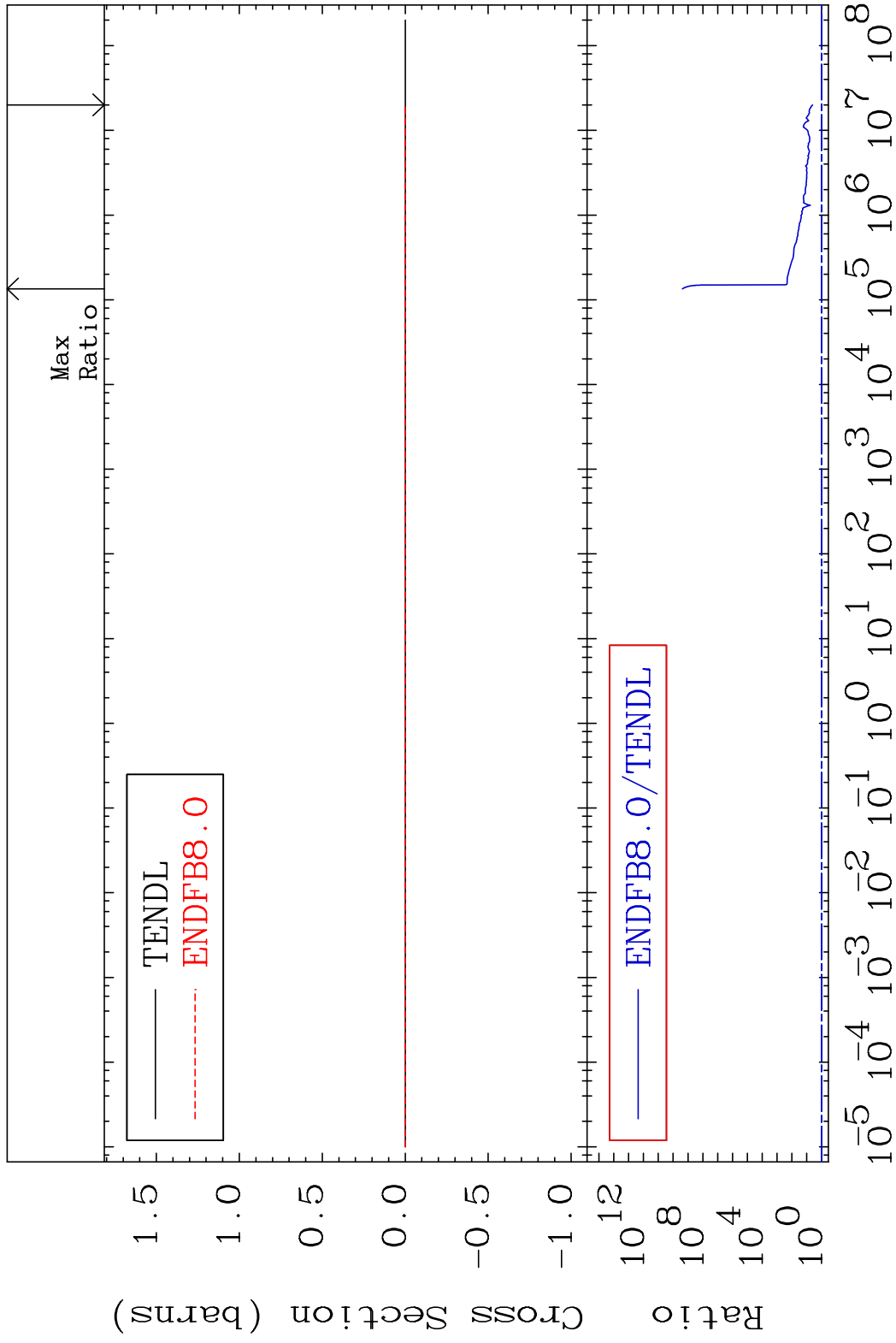
MAT 8028 Kerma non-elastic (all but mt2) 80-Hg-197
 Cross Section -91.64 To 9999. %



MAT 8028 Kerma inelastic (mt51-91) 80-Hg-197
 Cross Section 303.3 To 9999. %



MAT 8028 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-197
 Cross Section 303.3 To 9999. %

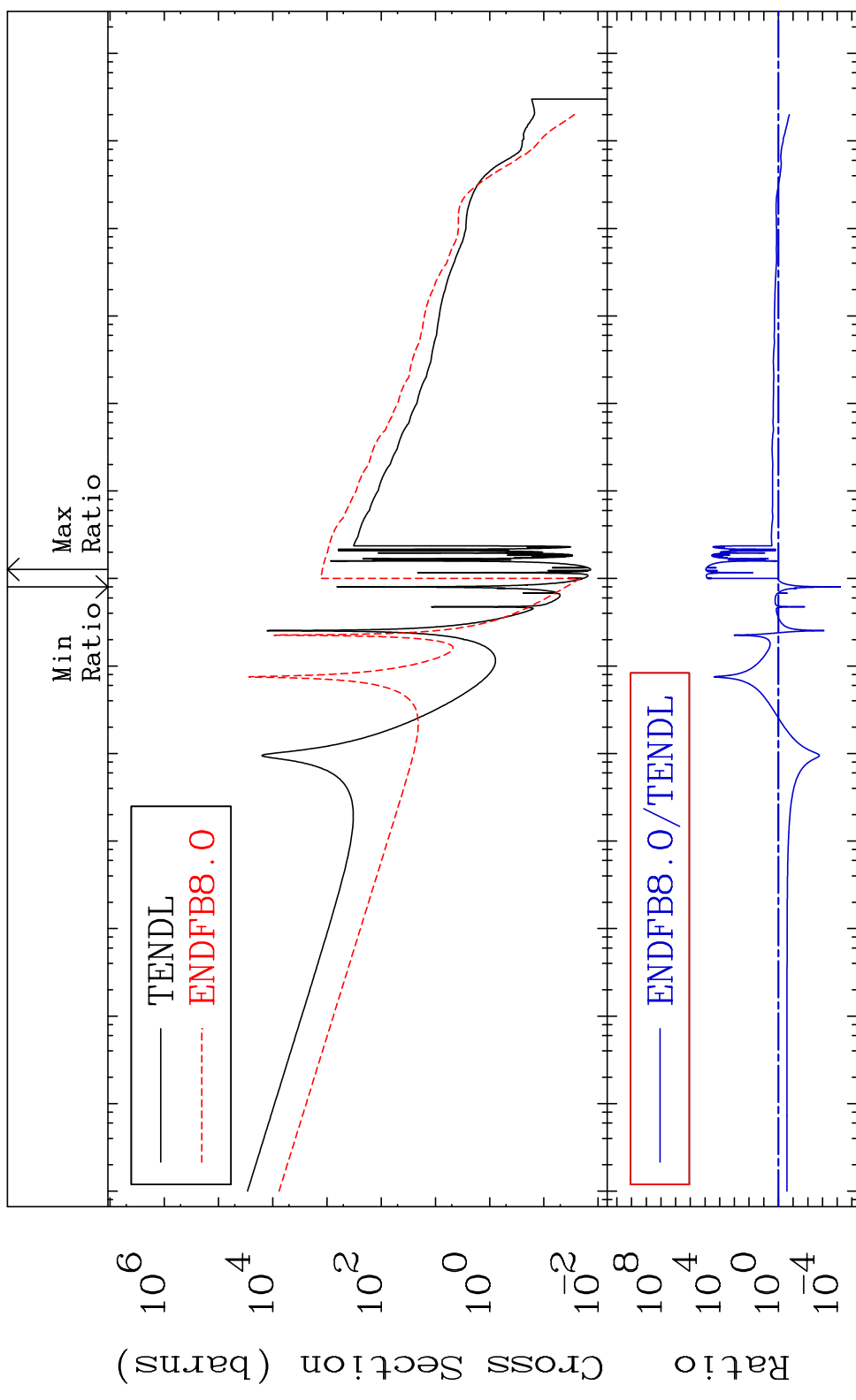


MAT 8028

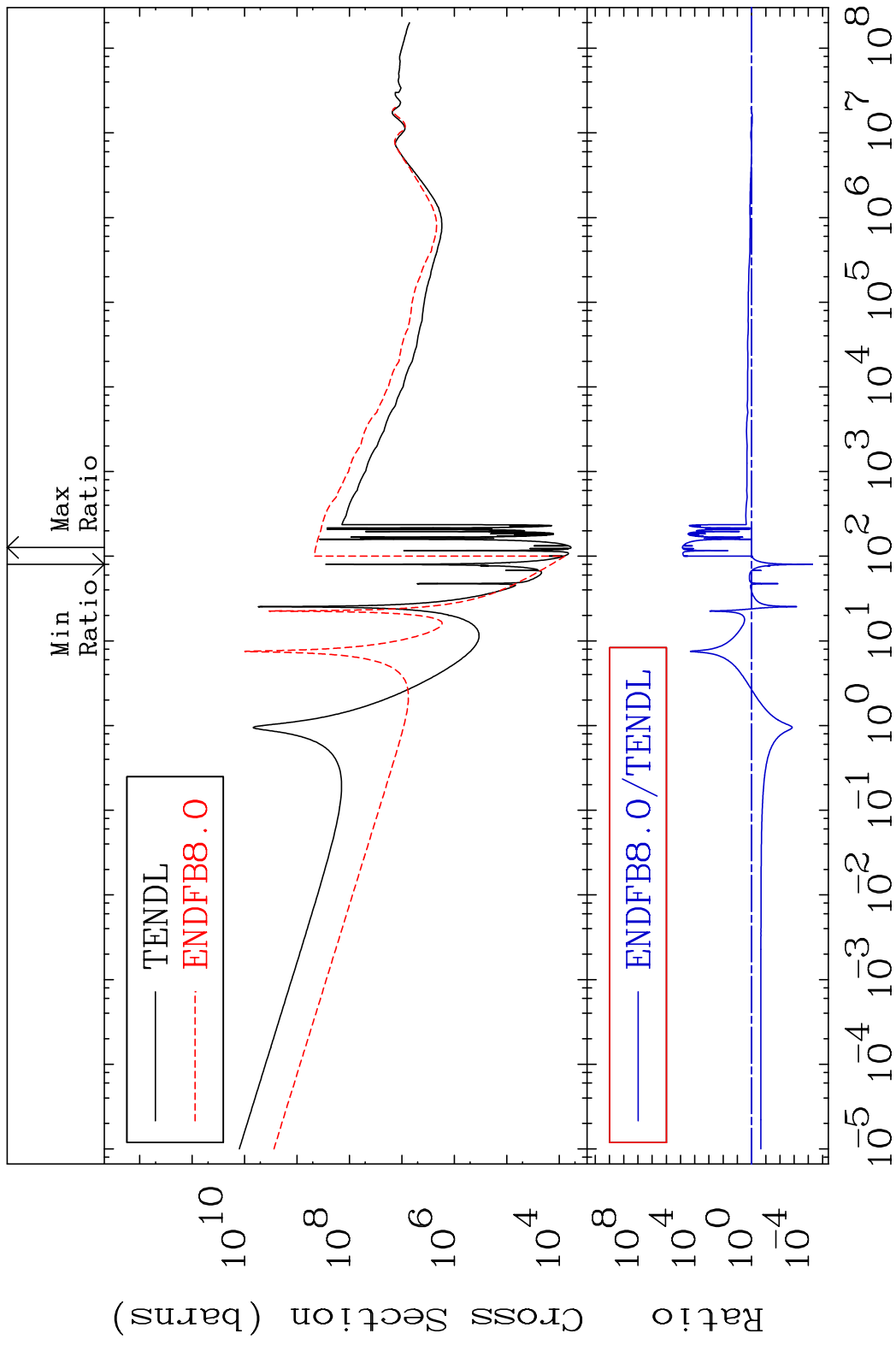
Kerma capture (mt102)

80-Hg-197

Cross Section -99.99 To 9999. %

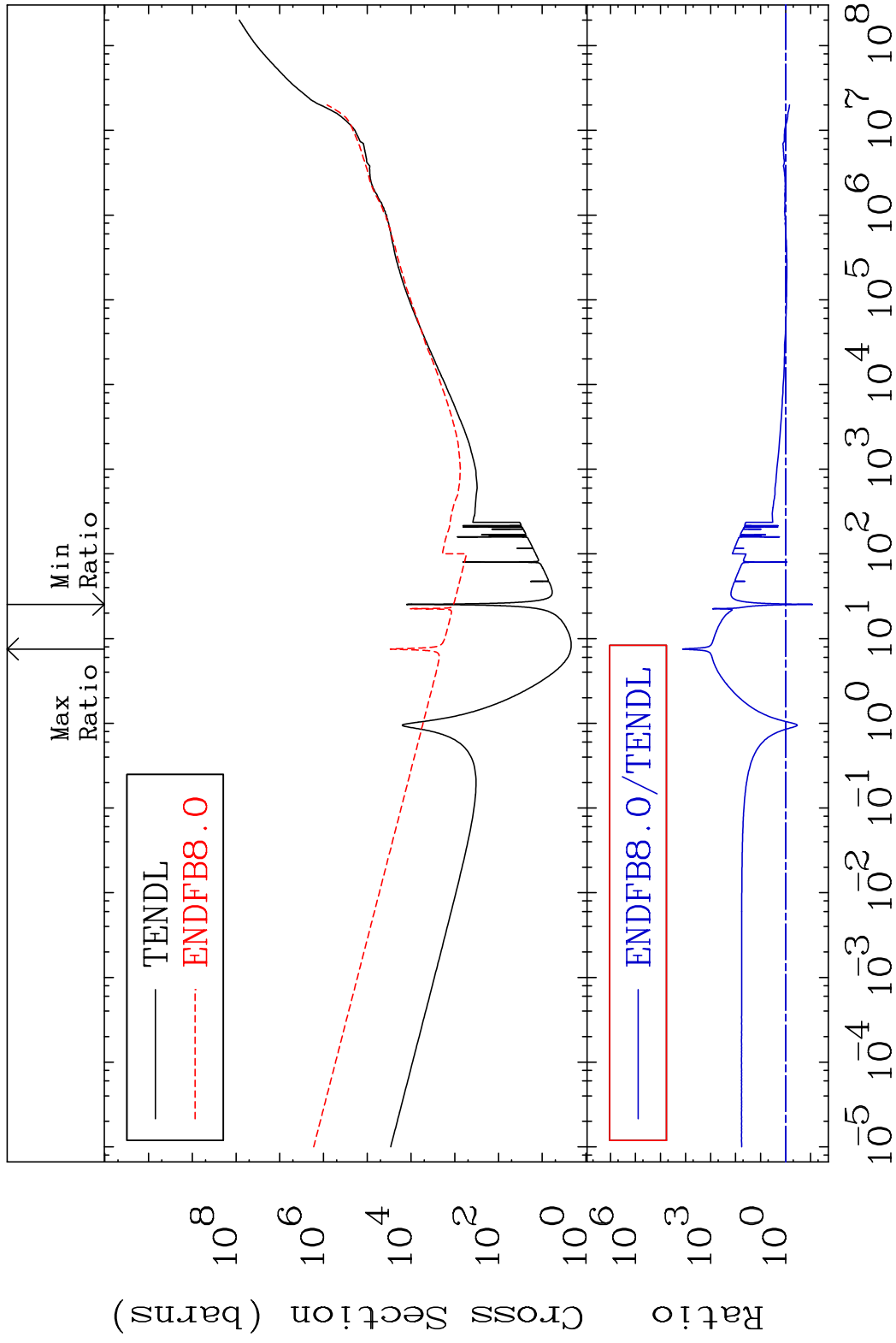


MAT 8028 Total photon (eV-barns) 80-Hg-197
 Cross Section -99.99 To 9999. %

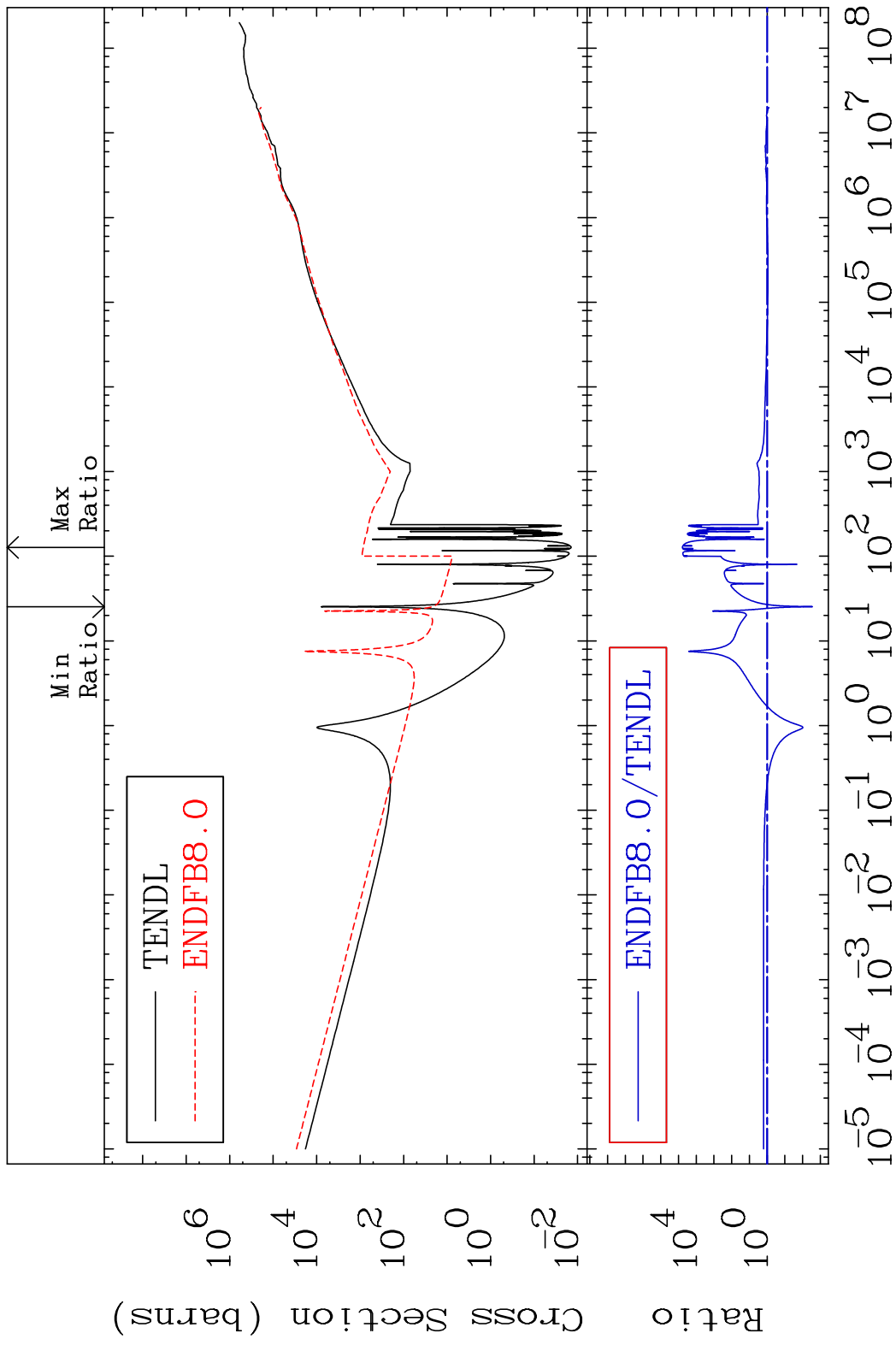


45 Incident Energy (eV) 80-Hg-197

MAT 8028 Total kinematic kerma (high limit) 80-Hg-197
 Cross Section -91.64 To 9999. %



MAT 8028 Dpa total (eV-barns) 80-Hg-197
 Cross Section -99.73 To 9999. %



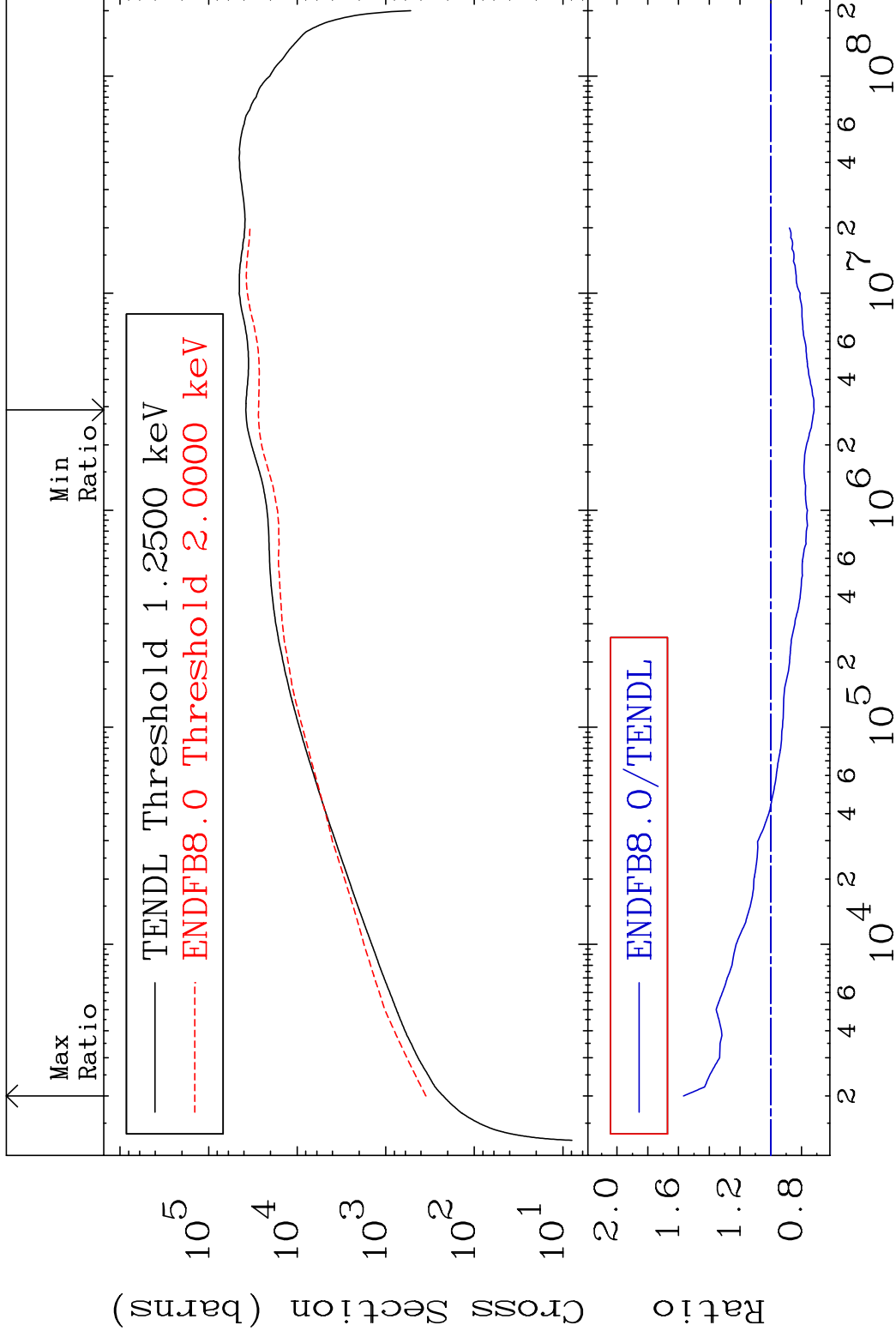
MAT 8028

Dpa elastic (mt2)

80-Hg-197

Cross Section

-28.16 To 56.79 %

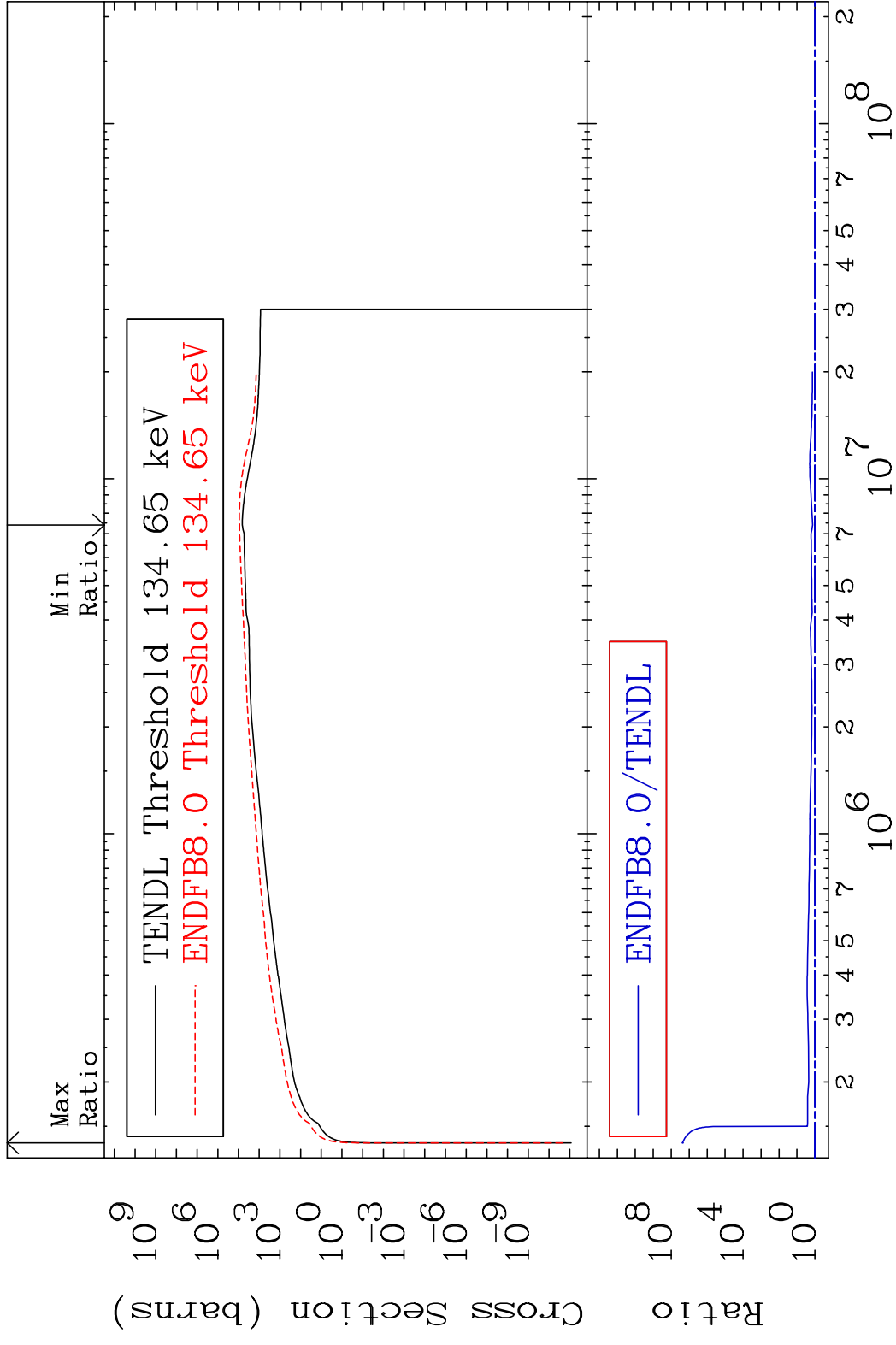


48

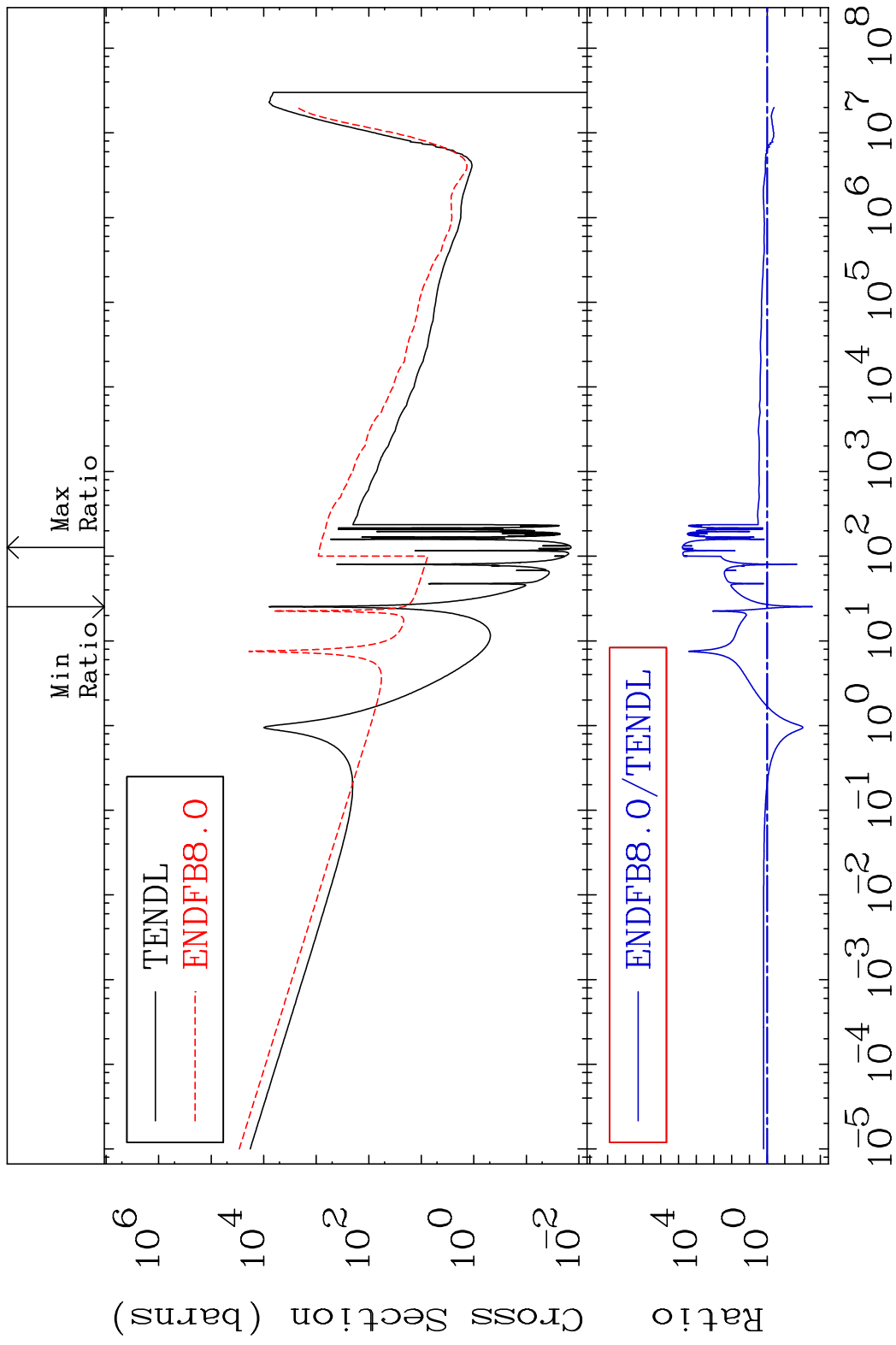
Incident Energy (eV)

80-Hg-197

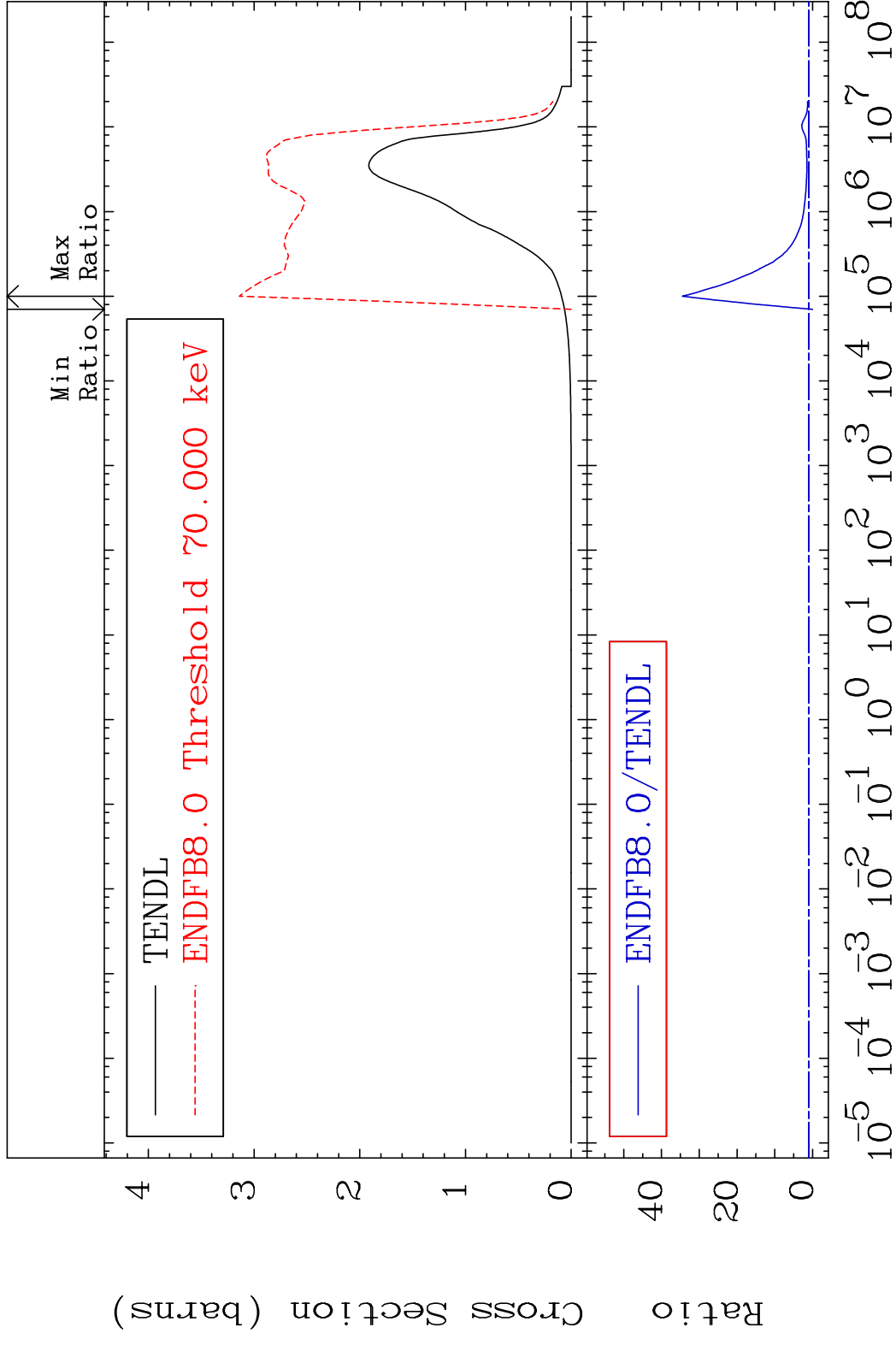
MAT 8028 Dpa inelastic (mt51-91) 80-Hg-197
 Cross Section 35.54 To 9999. %

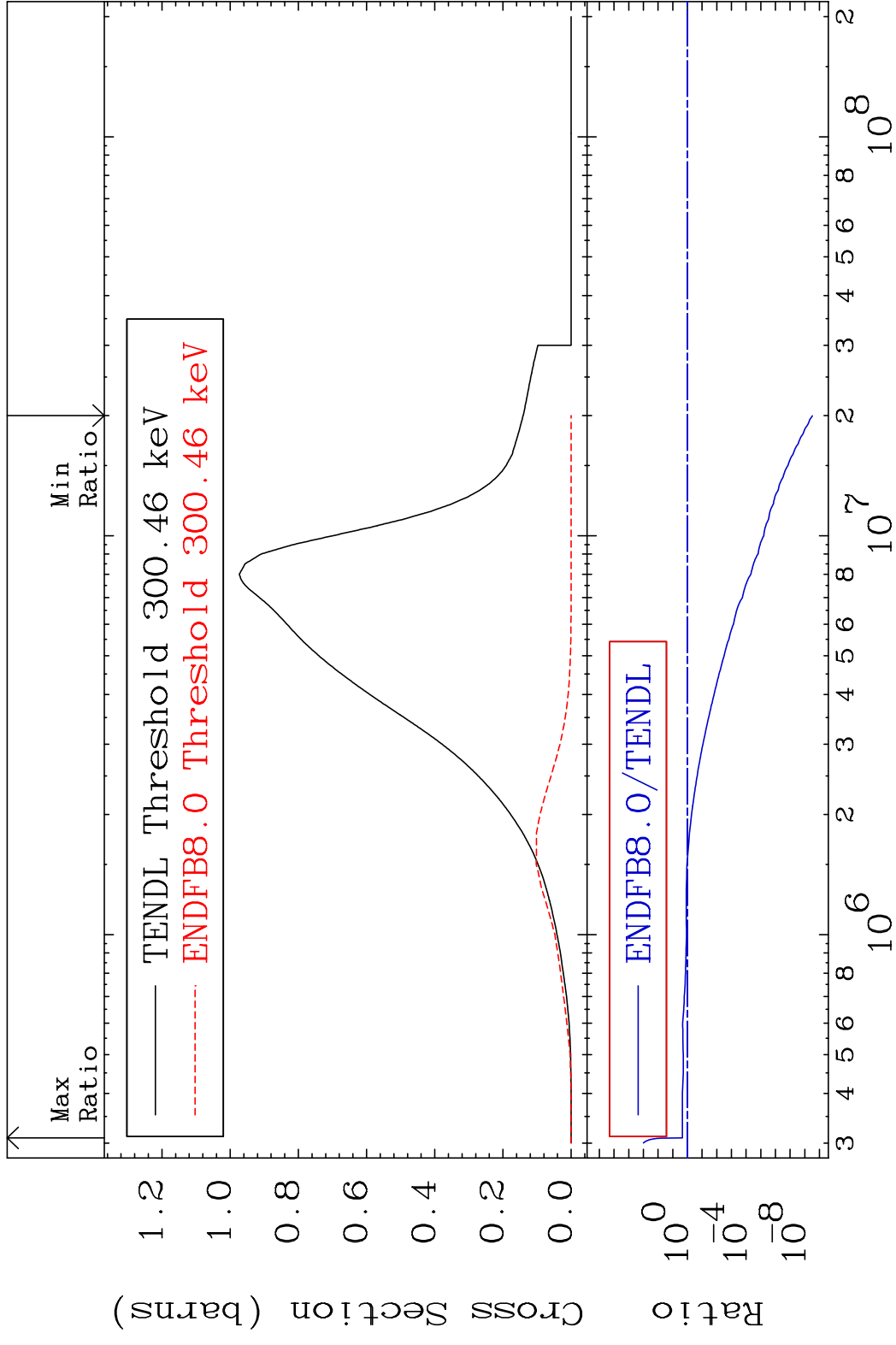


MAT 8028 Dpa disappearance (mt102 -120) 80-Hg-197
 Cross Section -99.73 To 9999. %

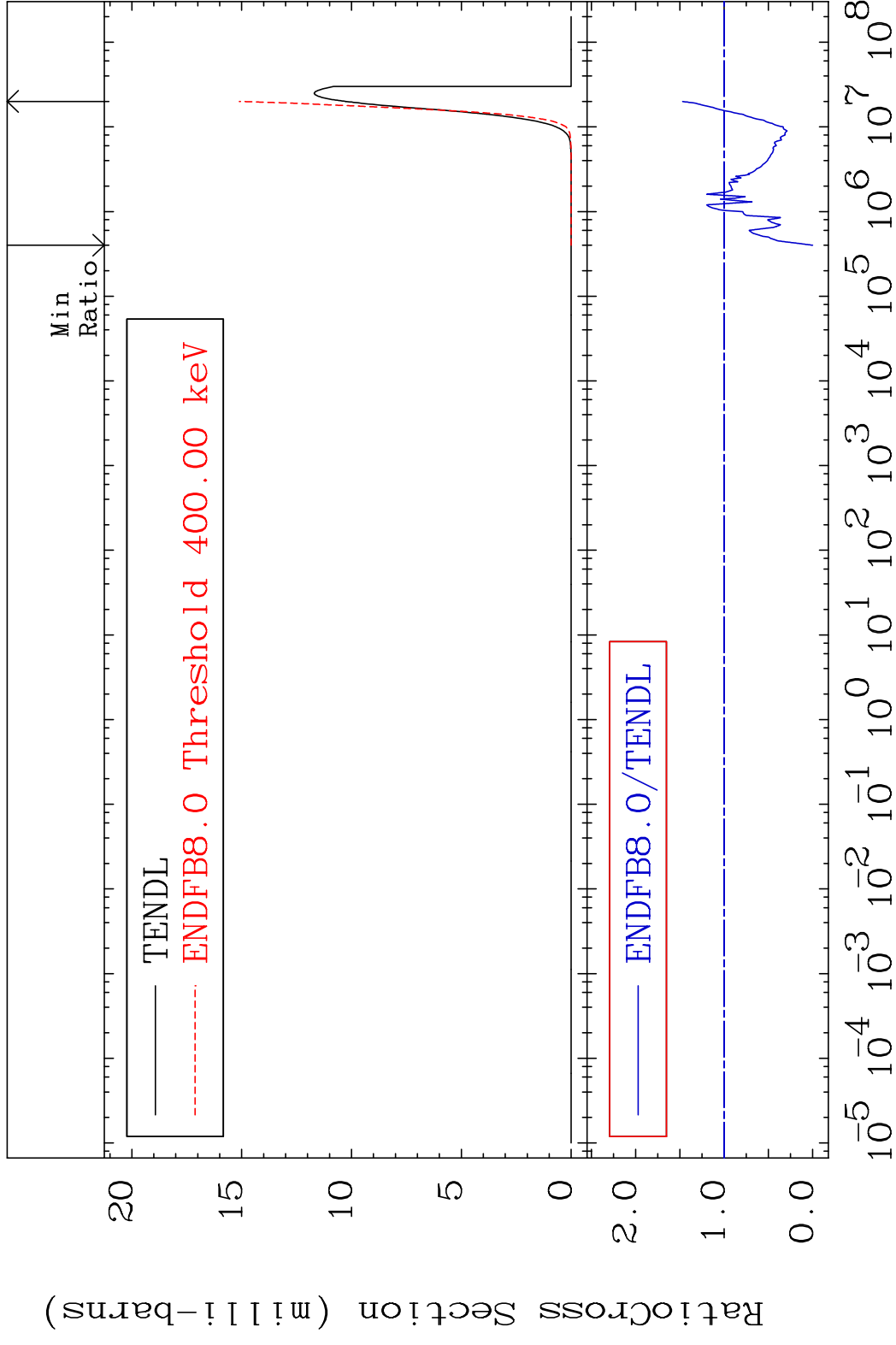


50 Incident Energy (eV) 80-Hg-197





MAT 8028 (n,p):79-Au-197 80-Hg-197
 Radionuclide Production Cross Section Ratio 47.21 %



MAT 8028 (n, p):79-Au-197m4 80-Hg-197
 Radionuclide Production Cross Section 13.47 %

