

Program Complot
(Version 2021-1)

by

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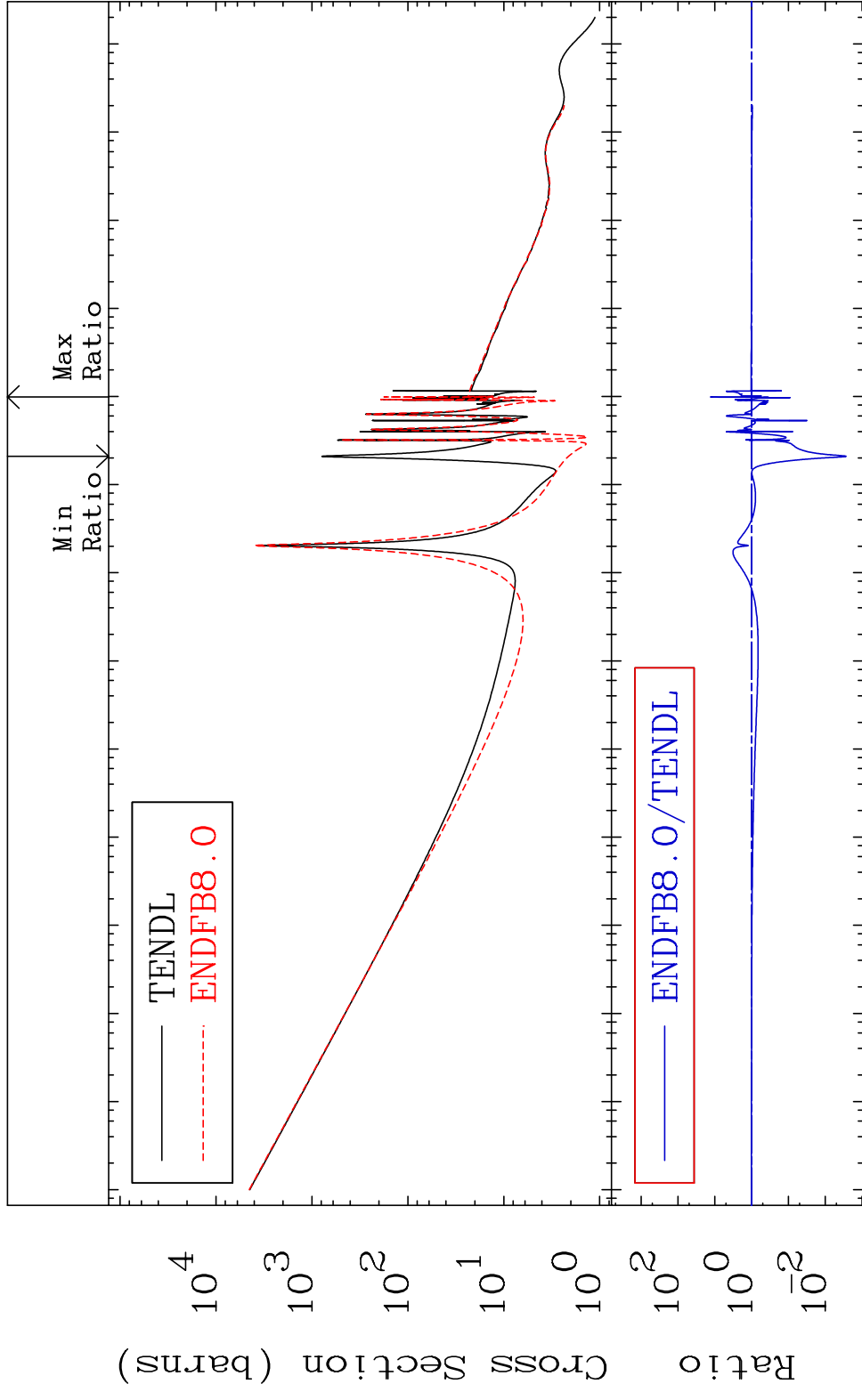
Press Mouse Button to Start

MAT 2828

28-Ni-59

Total

Cross Section -99.73 To 1196. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

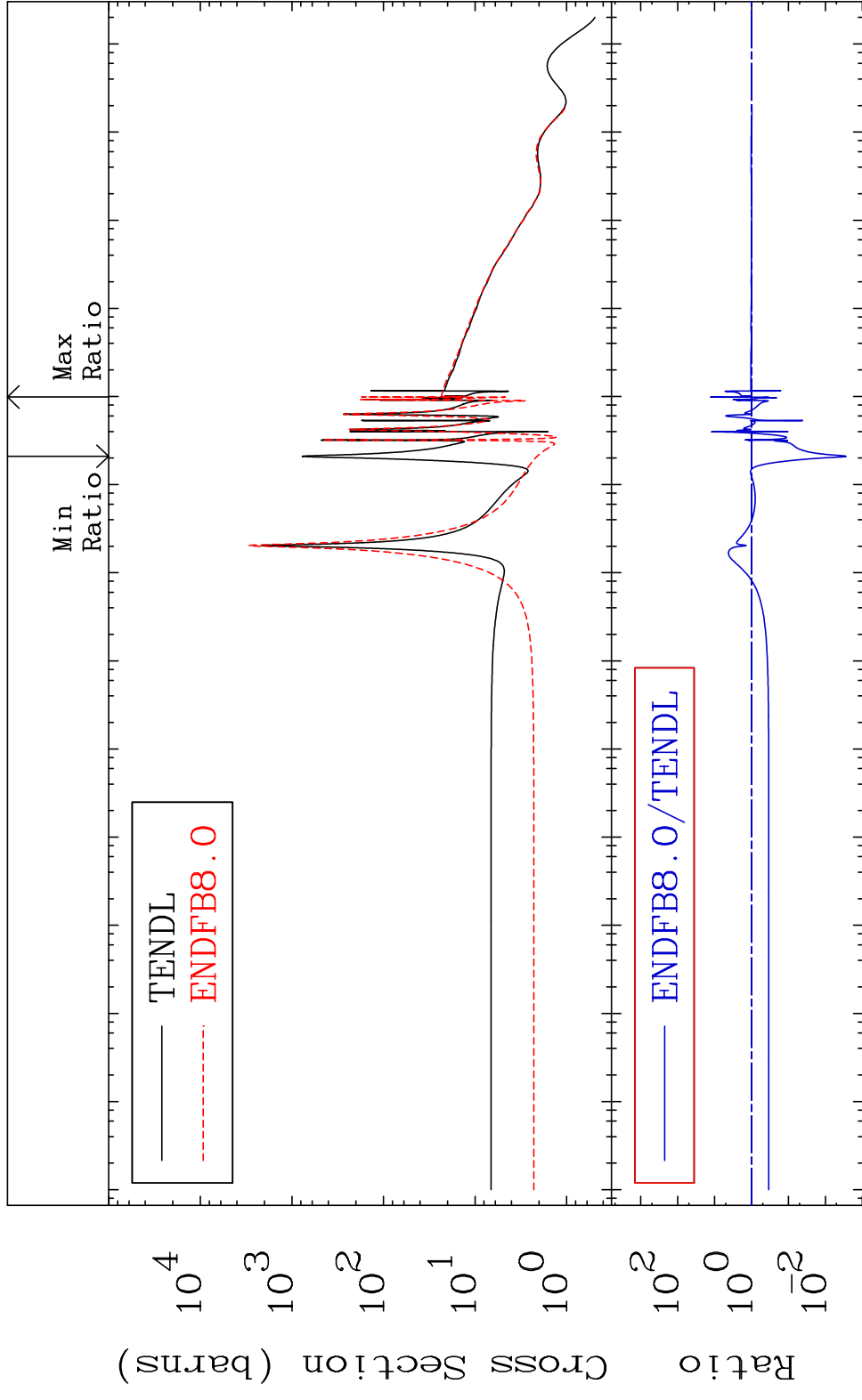
1

Incident Energy (eV)

28-Ni-59

MAT 2828

Elastic Cross Section 28-Ni-59
-99.73 To 1176. %

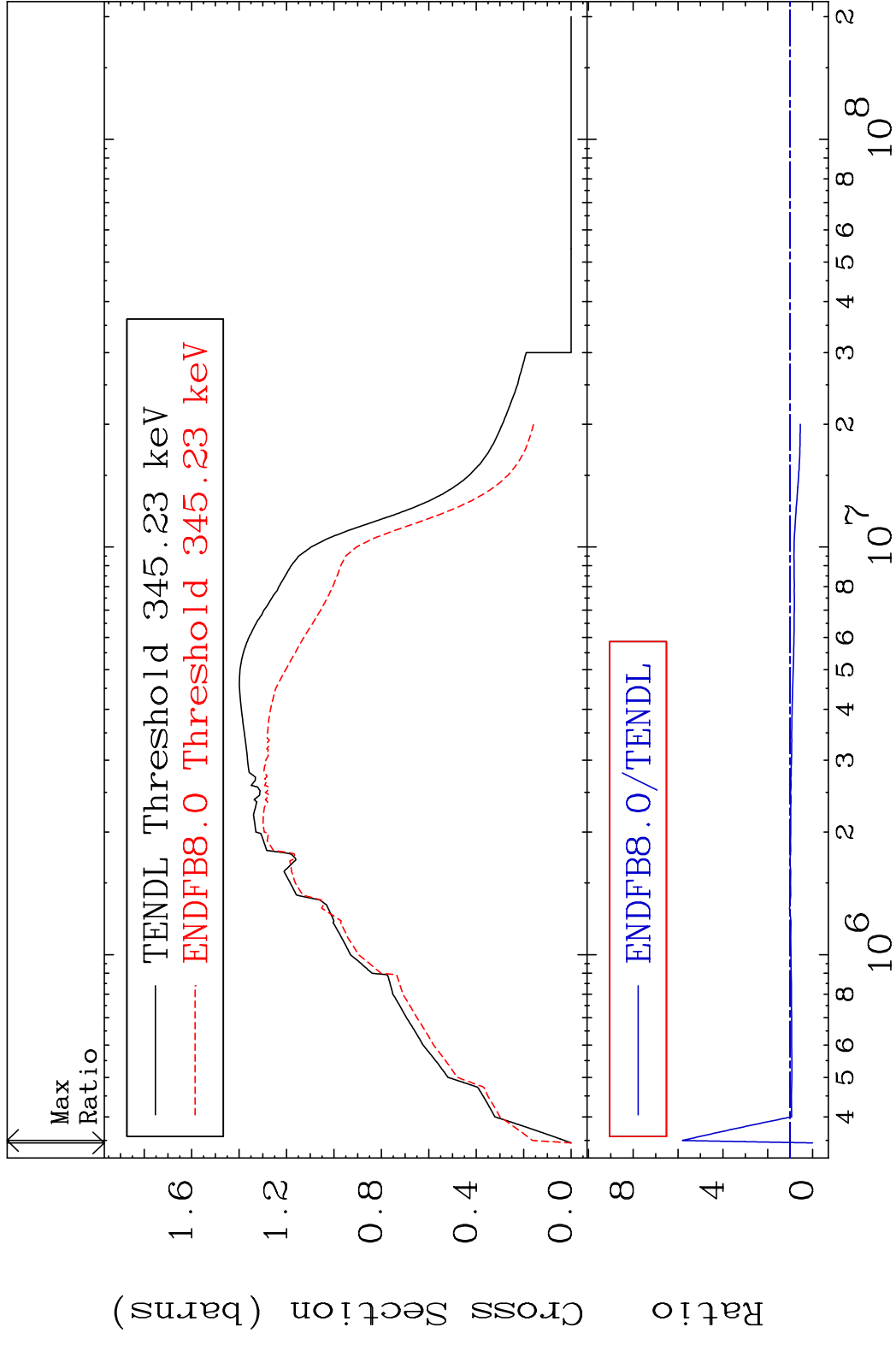


2

Incident Energy (eV)

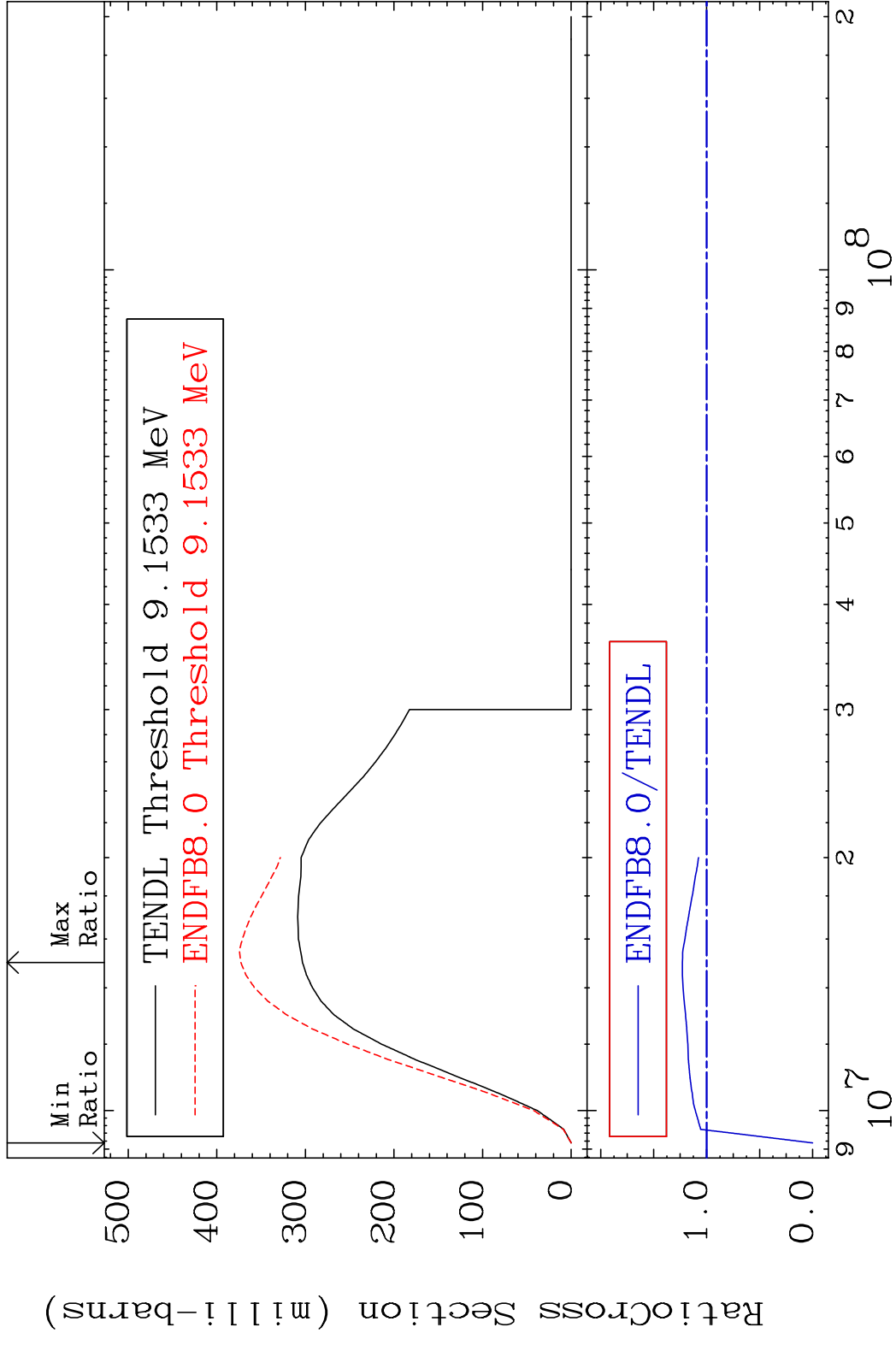
28-Ni-59

MAT 2828 Inelastic 28-Ni-59
 Cross Section -100.0 To 480.8 %



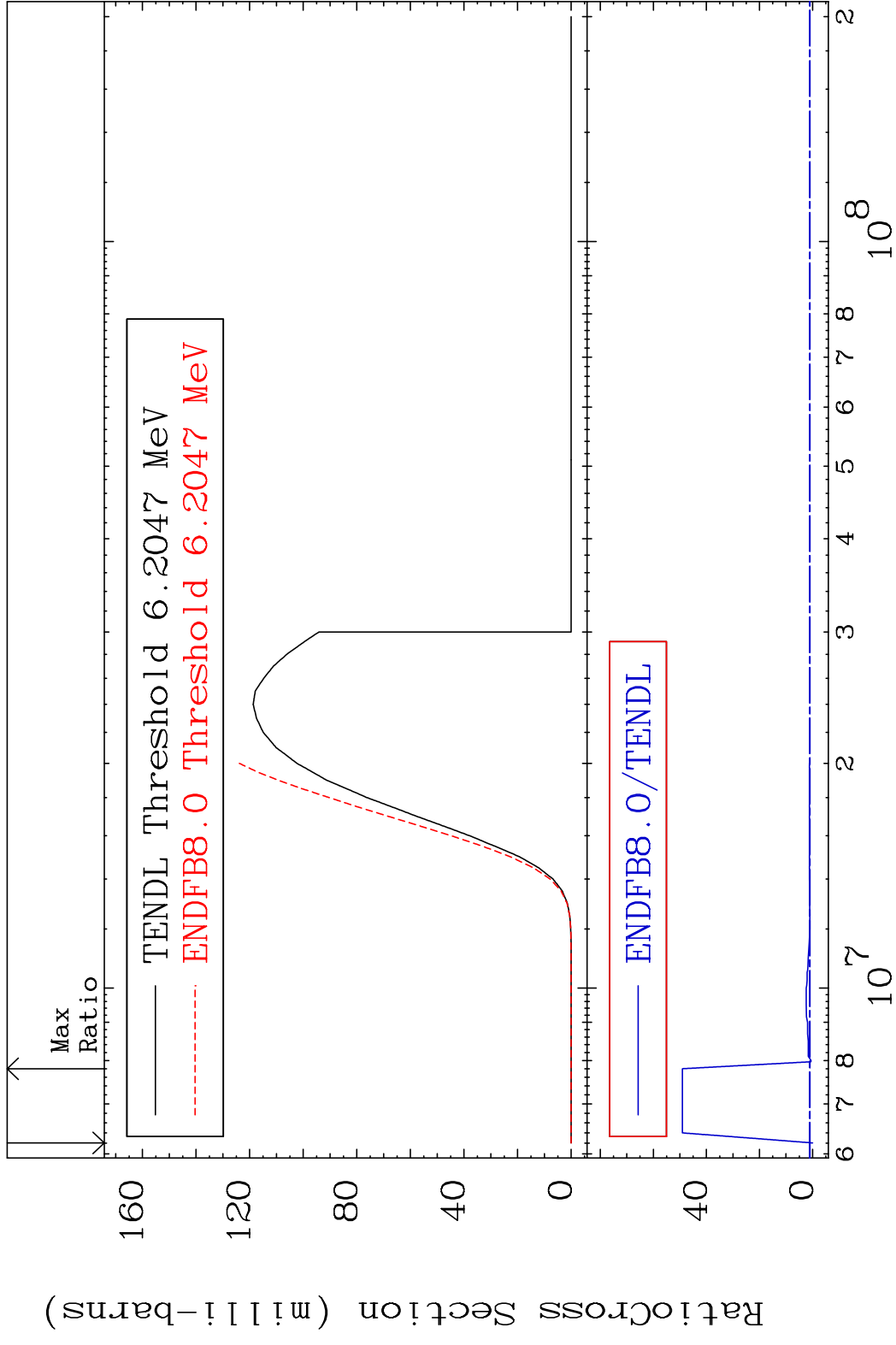
3 Incident Energy (eV) 28-Ni-59

MAT 2828 (n,2n) 28-Ni-59
 Cross Section -100.0 To 22.96 %



4 Incident Energy (eV) 28-Ni-59

MAT 2828 (n, n') α 28-Ni-59
 Cross Section -100.0 To 4807. %



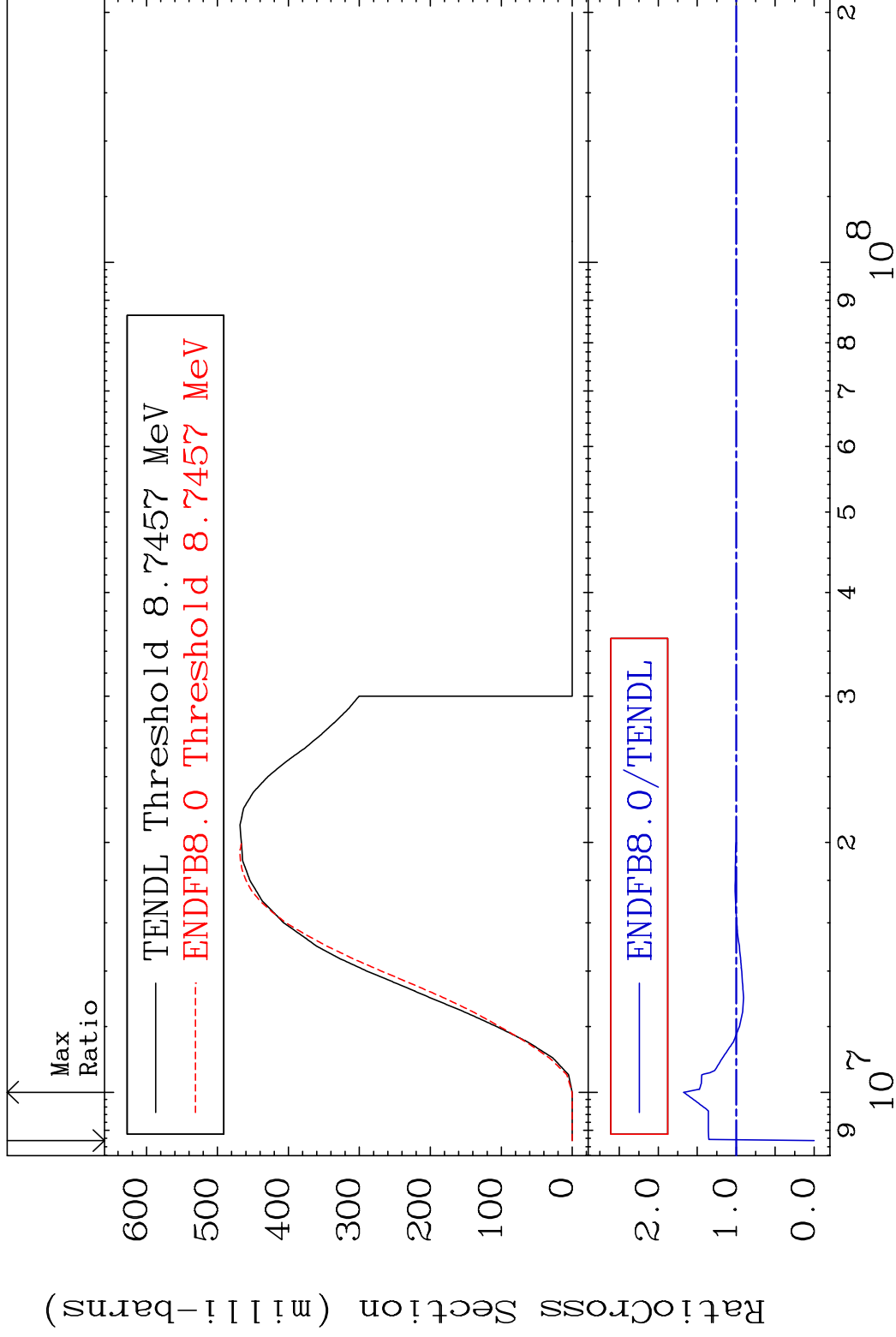
5 6 7 8 10⁷ 10⁸ 28-Ni-59

MAT 2828

(n, n') p

28-Ni-59

Cross Section -100.0 To 67.44 %

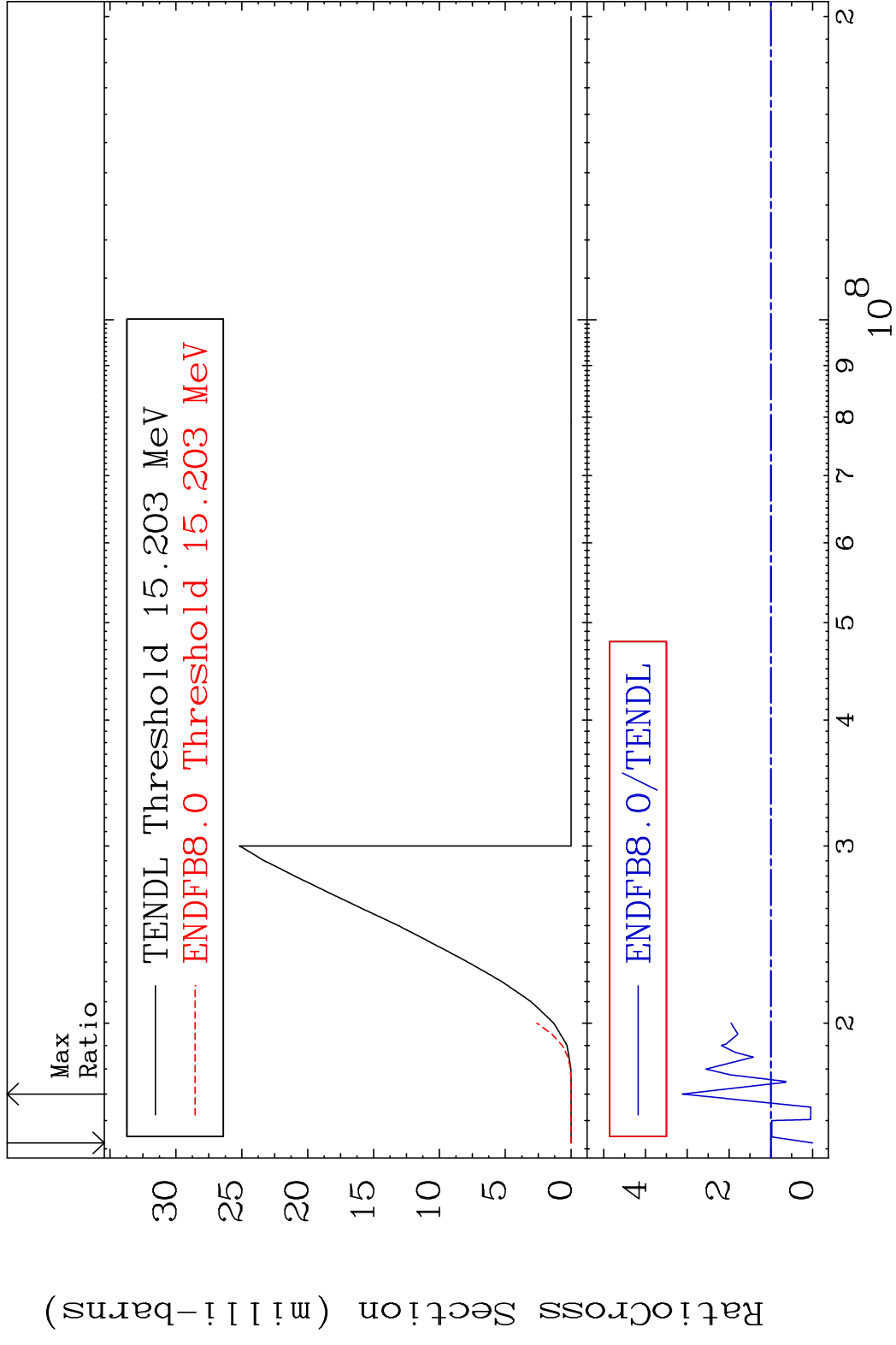


6

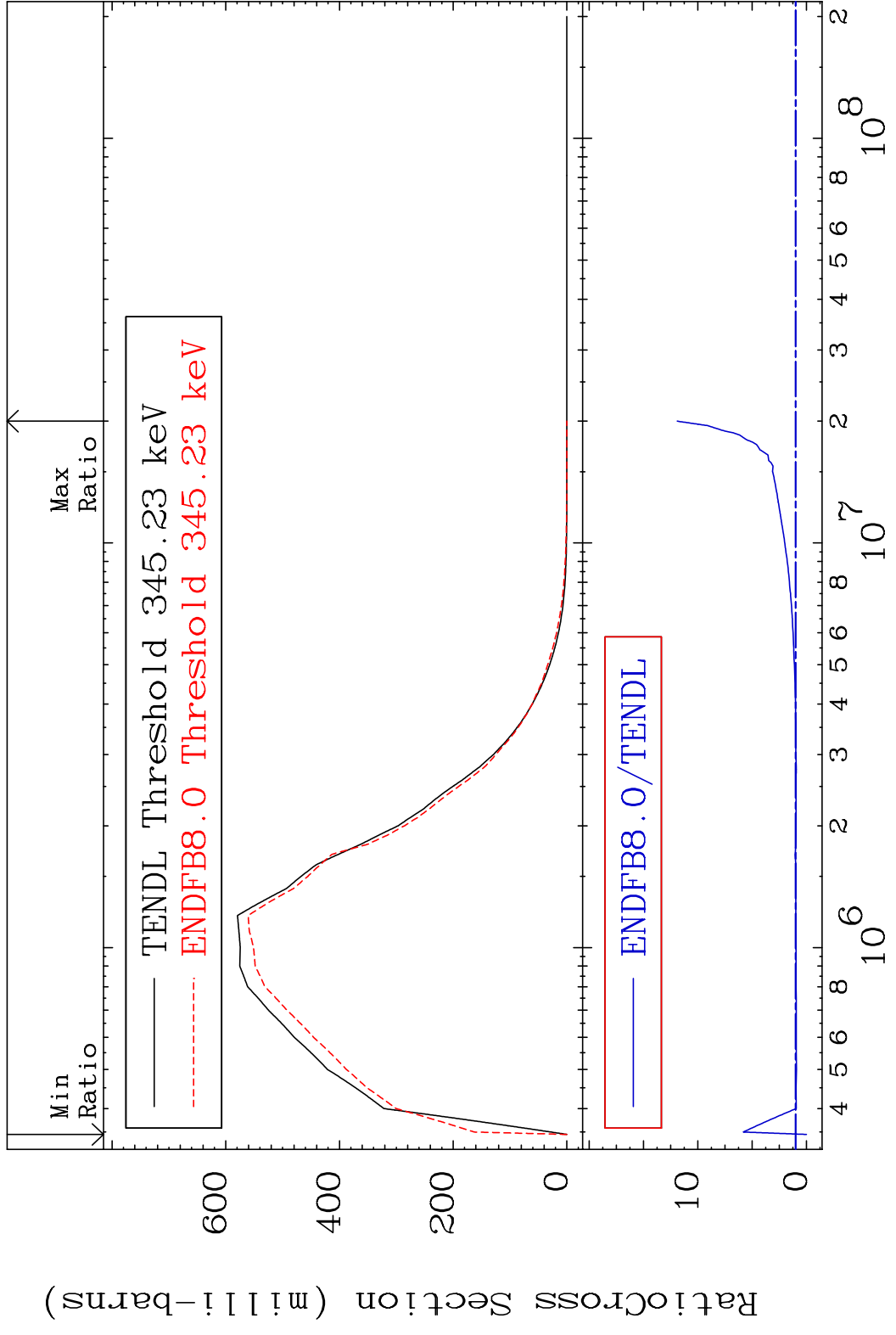
Incident Energy (eV)

28-Ni-59

MAT 2828 (n, n') d 28-Ni-59
 Cross Section -100.0 To 211.8 %

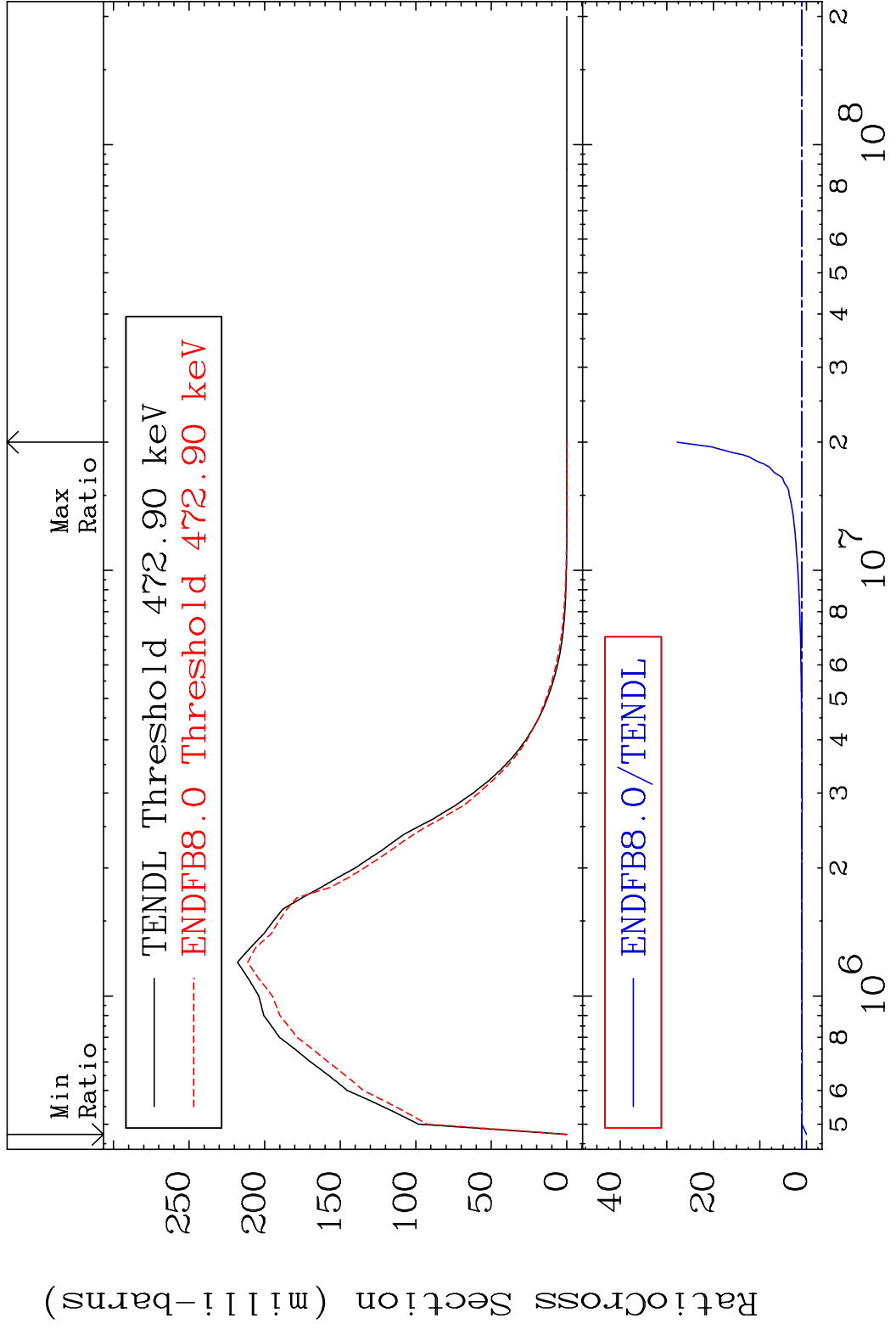


MAT 2828 MT= 51 (n,n') Level 28-Ni-59
 Cross Section -100.0 To 1089. %

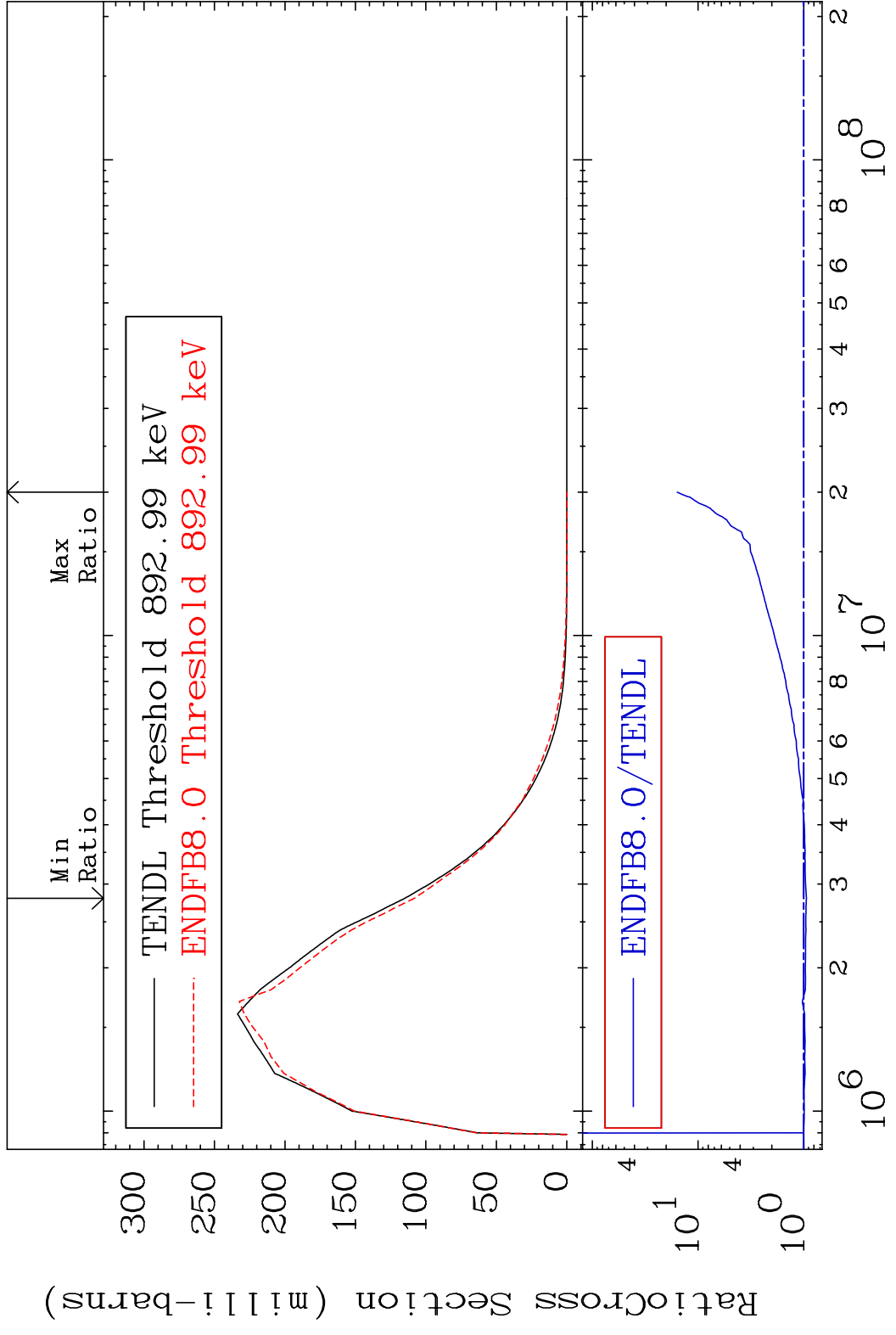


8 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 52 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 2676. %

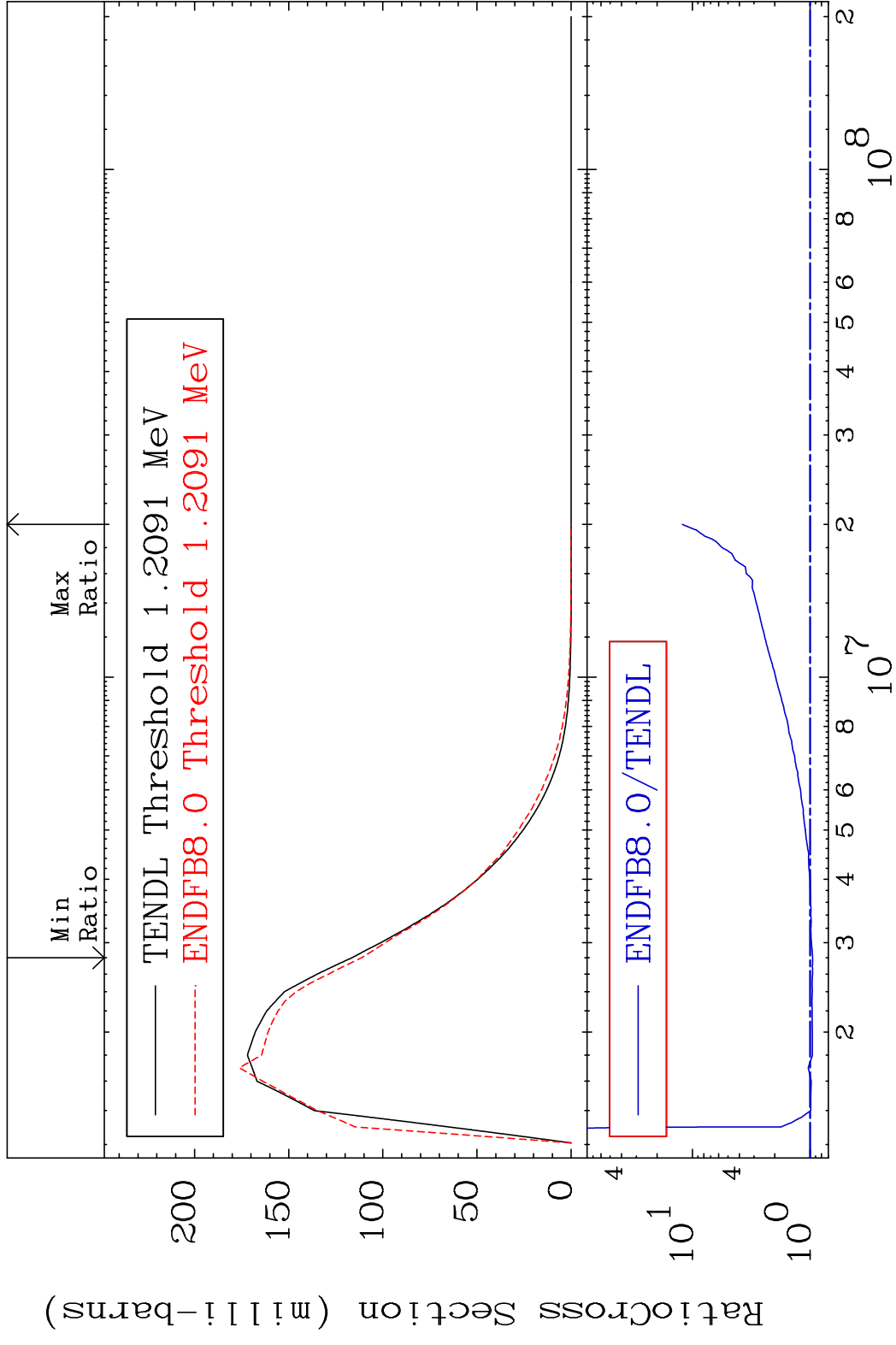


MAT 2828 MT= 53 (n, n') Level 28-Ni-59
 Cross Section -5.869 To 1474. %

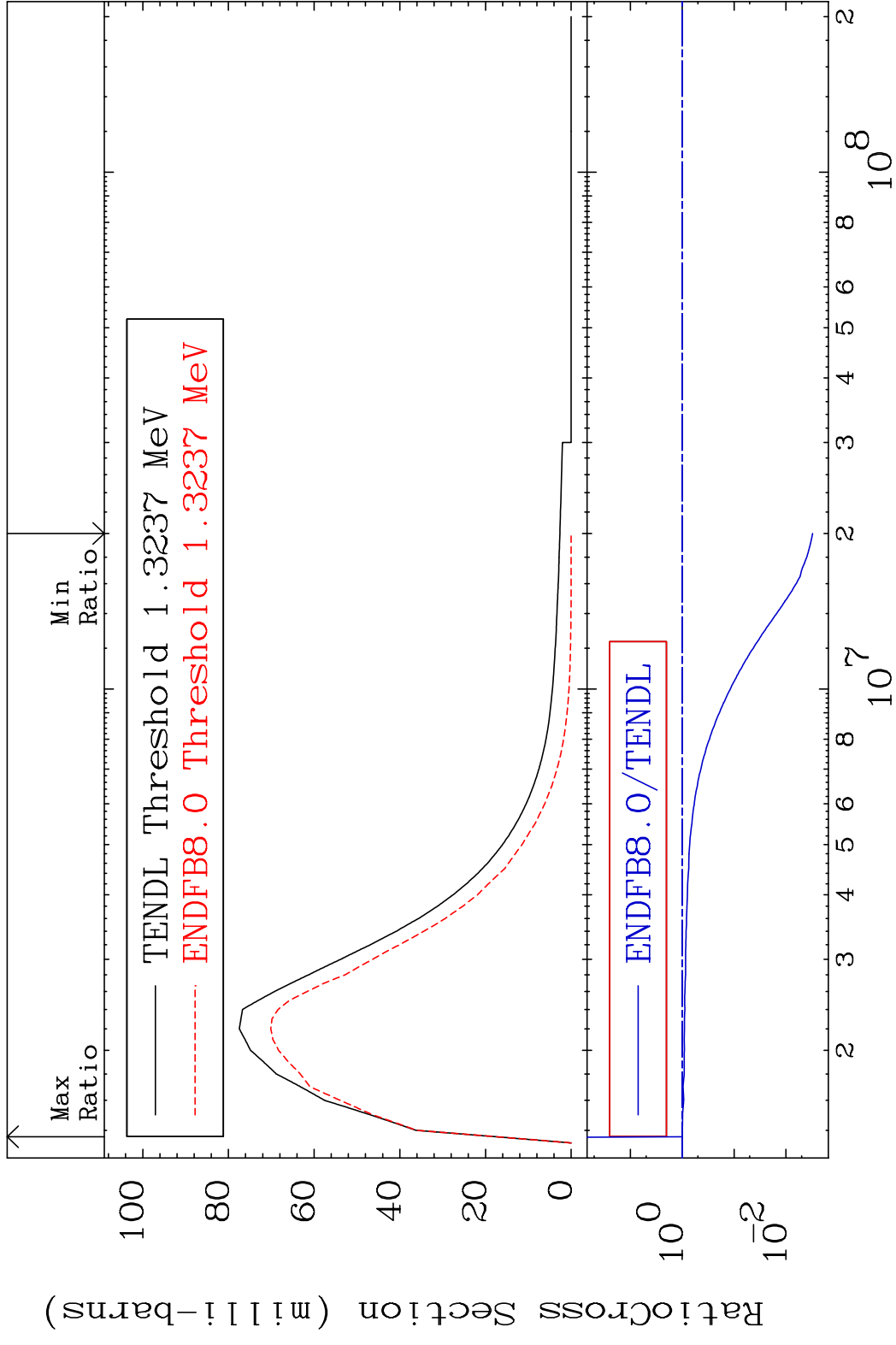


10 10 2 2 3 3 4 4 5 5 6 6 7 7 8 8 10⁶ 10⁷ 10⁸ 28-Ni-59

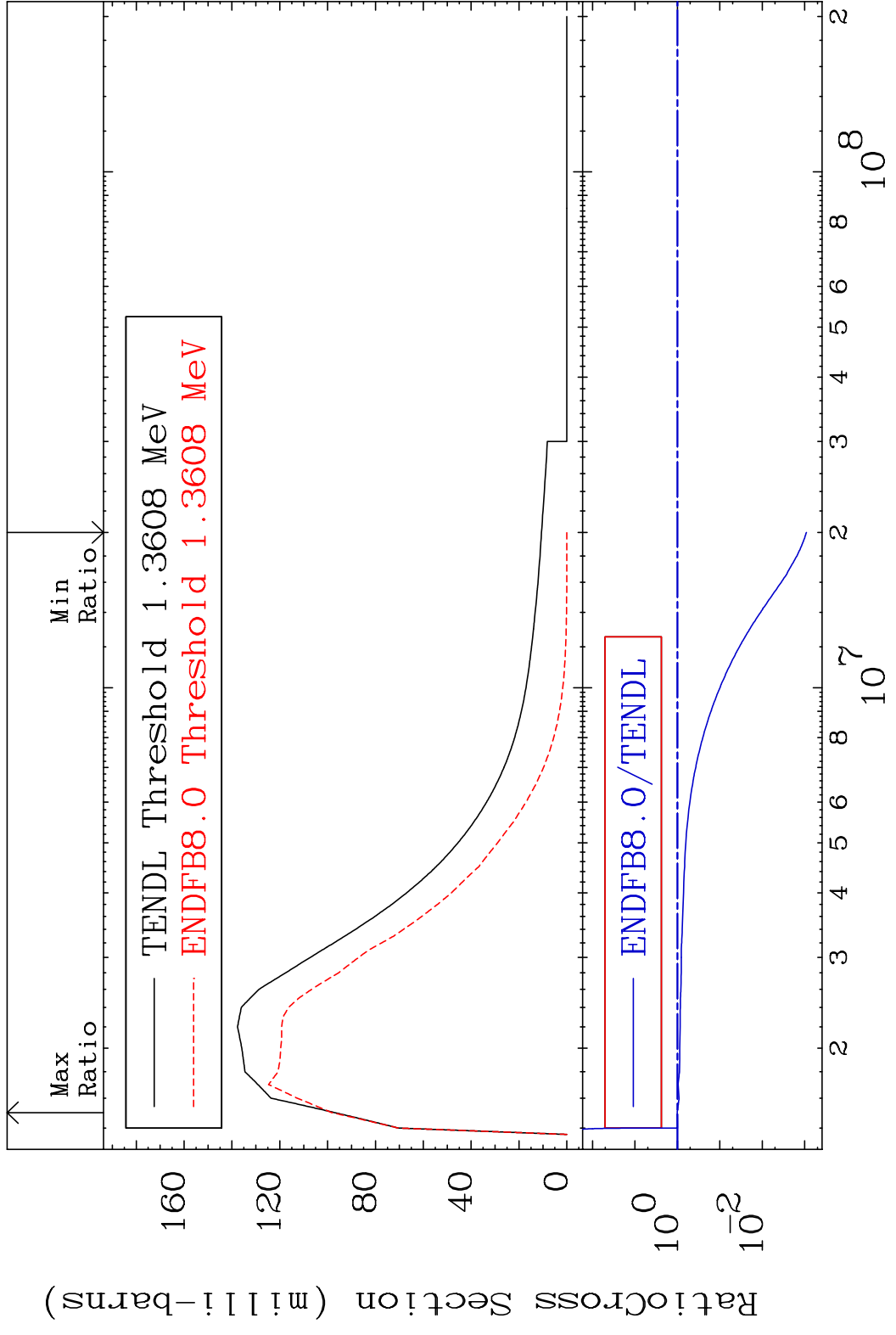
MAT 2828 MT= 54 (n, n') Level 28-Ni-59
 Cross Section -4.516 To 1119. %



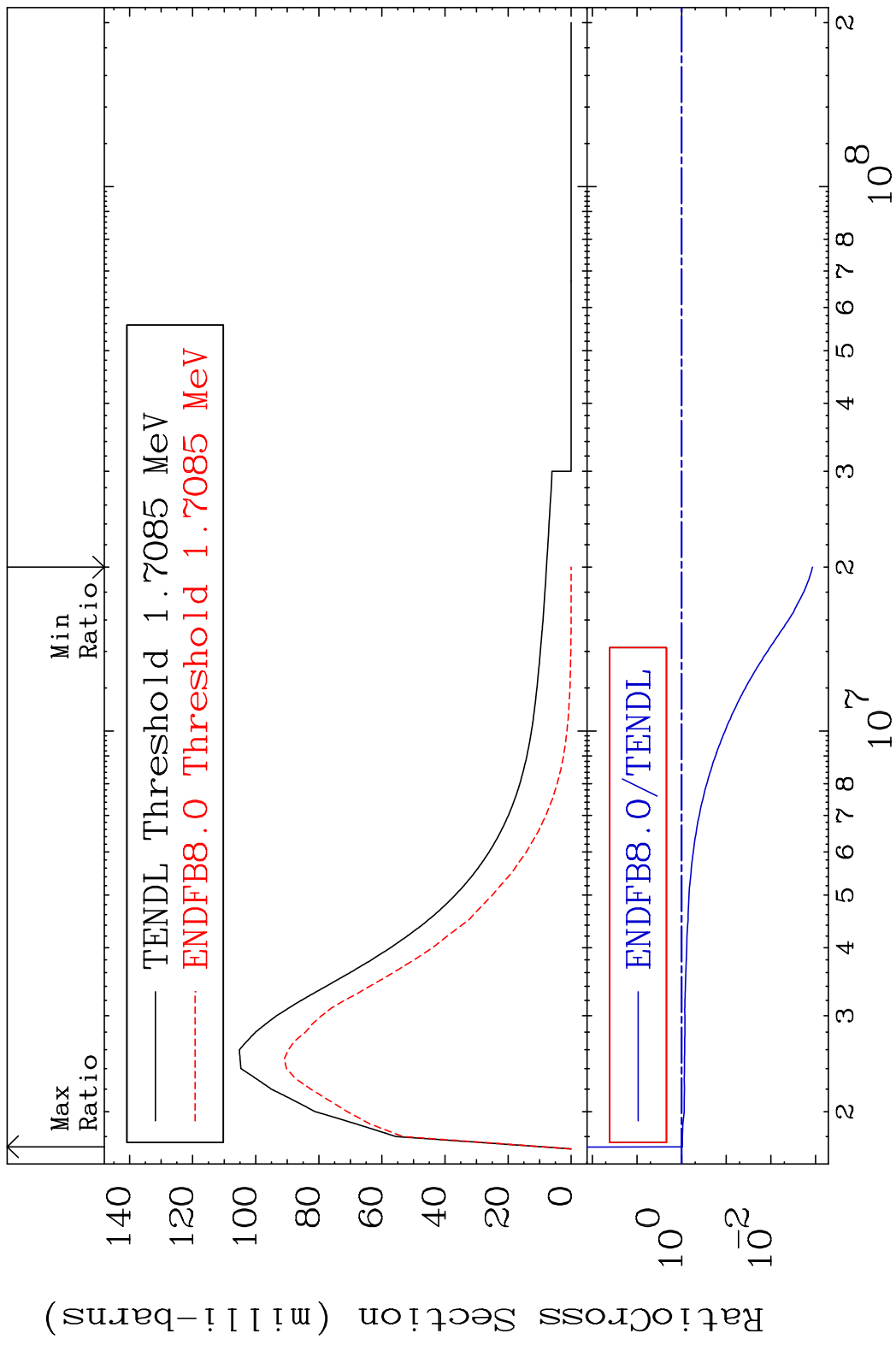
MAT 2828 MT= 55 (n, n') Level 28-Ni-59
 Cross Section -99.69 To -0.391%



MAT 2828 MT= 56 (n, n') Level 28-Ni-59
 Cross Section -99.91 To 1.290 %

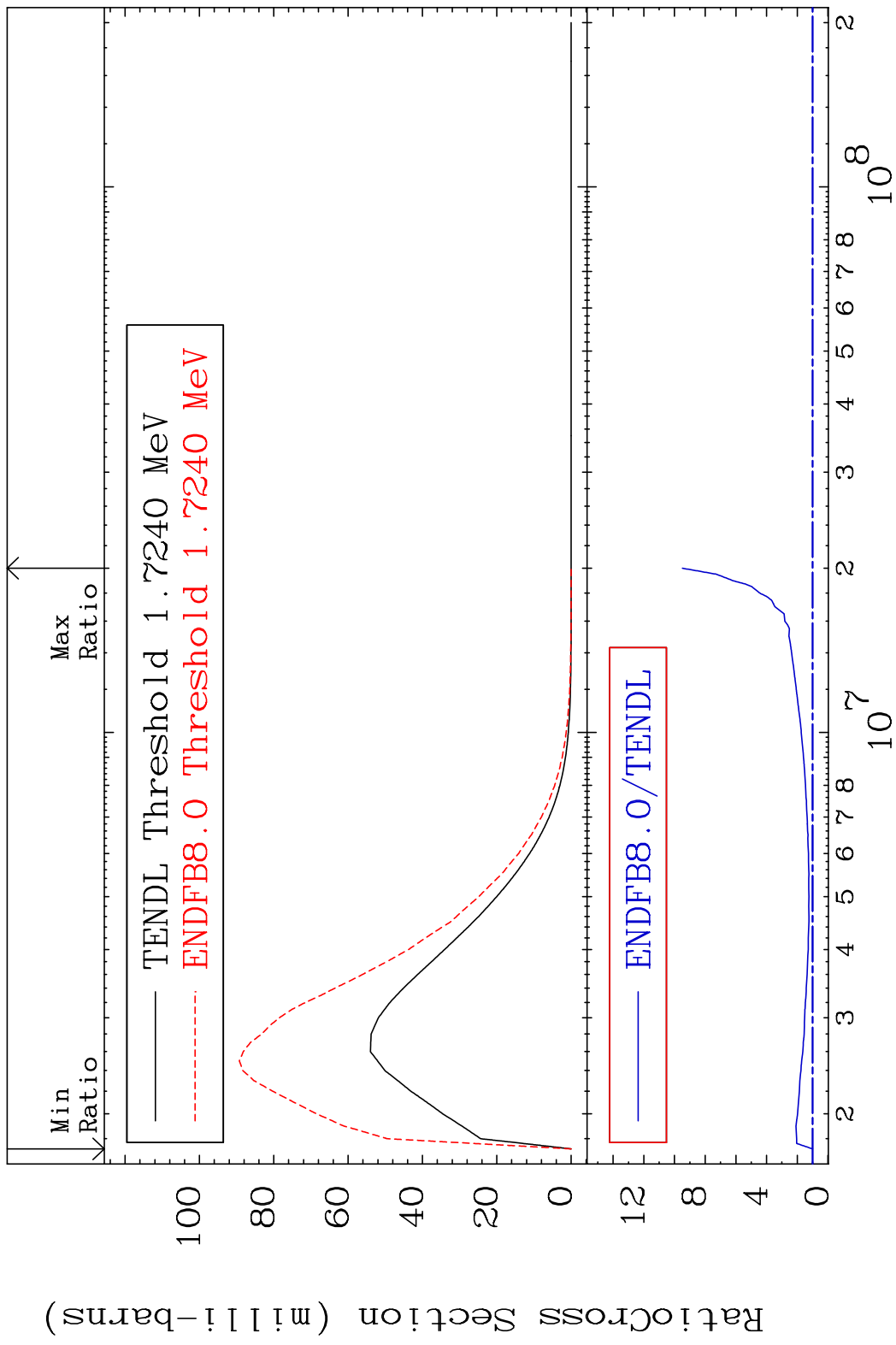


MAT 2828 MT= 57 (n, n') Level 28-Ni-59
 Cross Section -99.88 To -3.853%

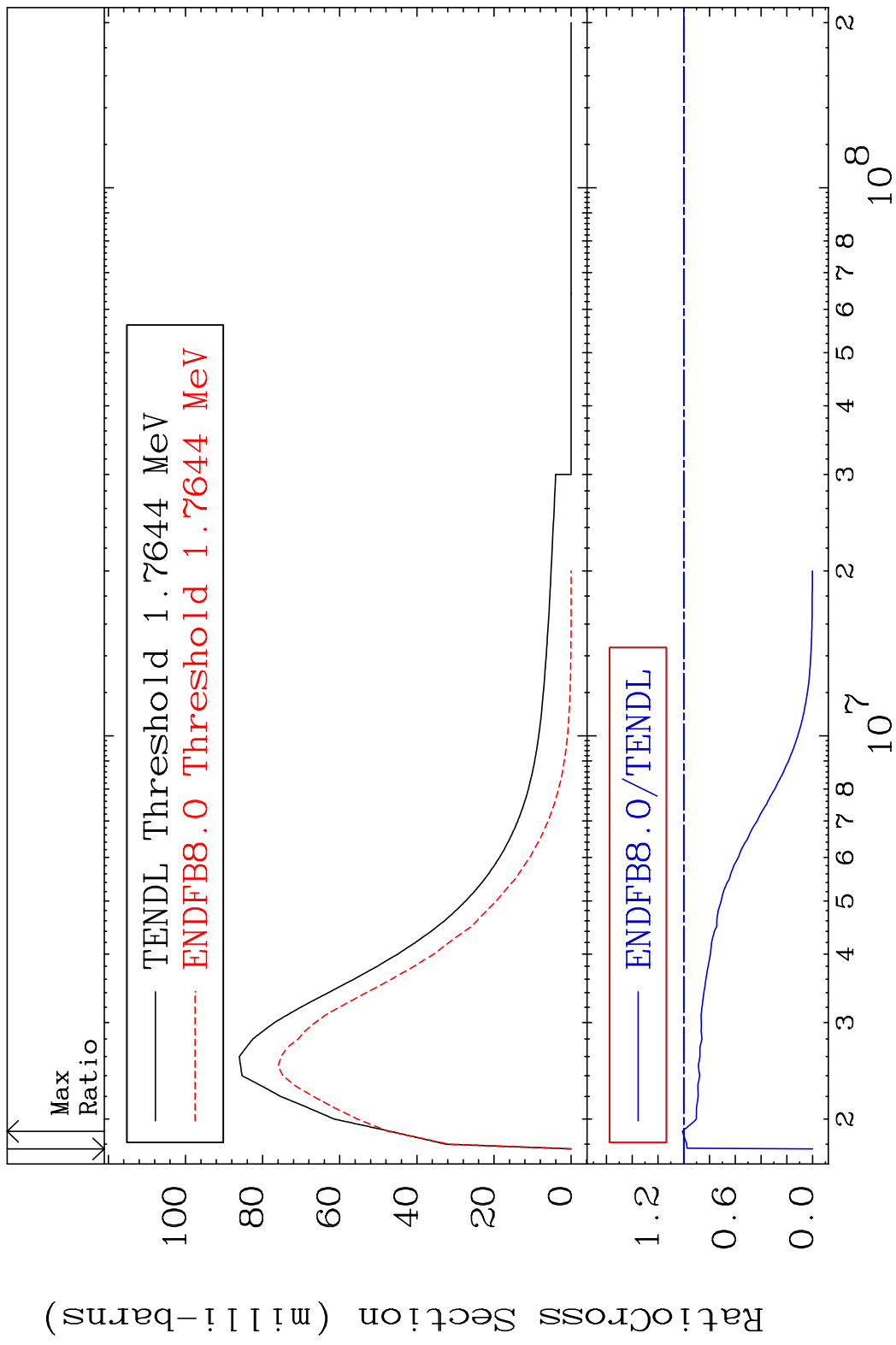


14 Incident Energy (eV) 28-Ni-59

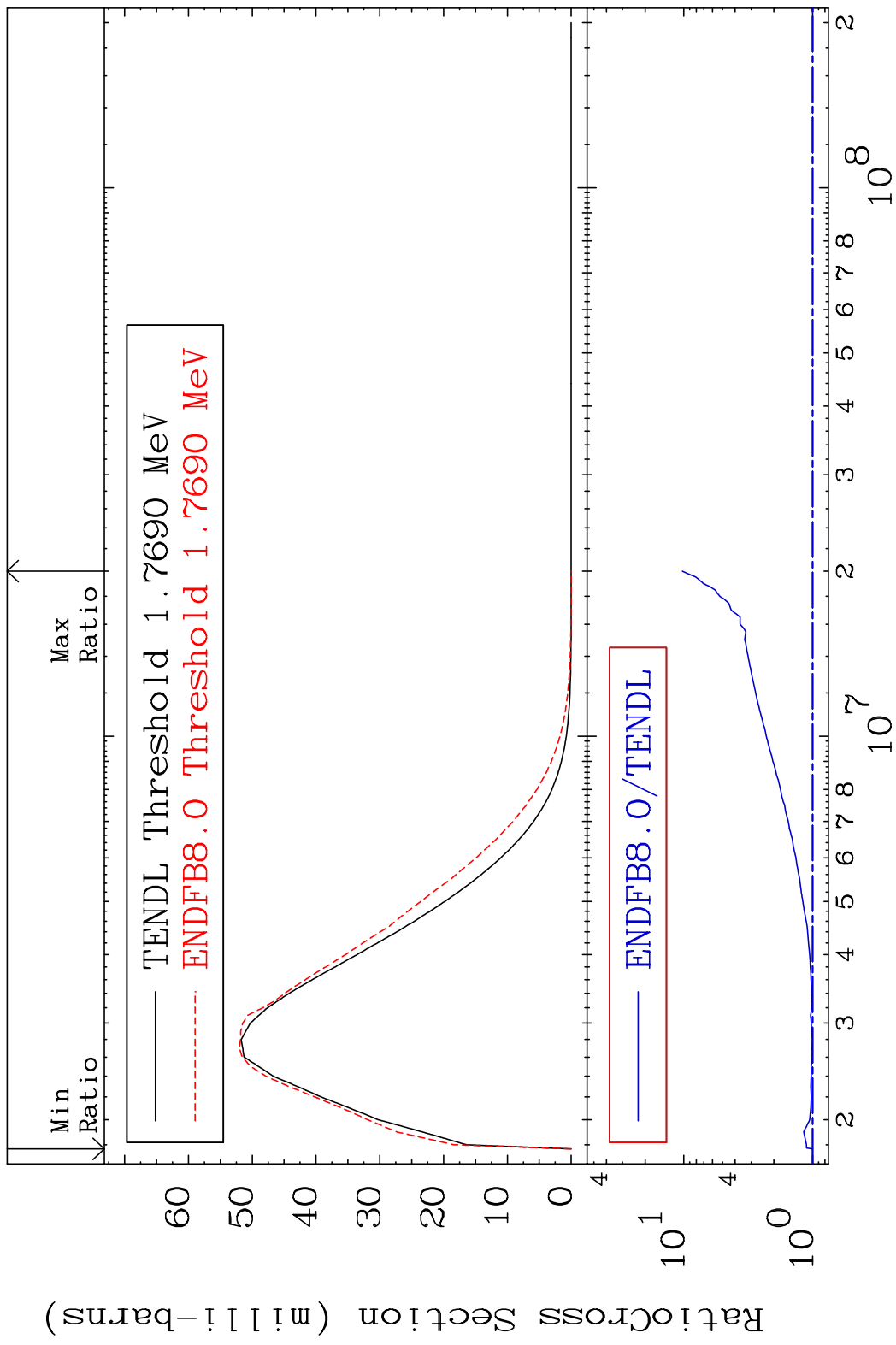
MAT 2828 MT= 58 (n, n') Level 28-Ni-59
 Cross Section 0.000 To 848.9 %



MAT 2828 MT= 59 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 1.020 %

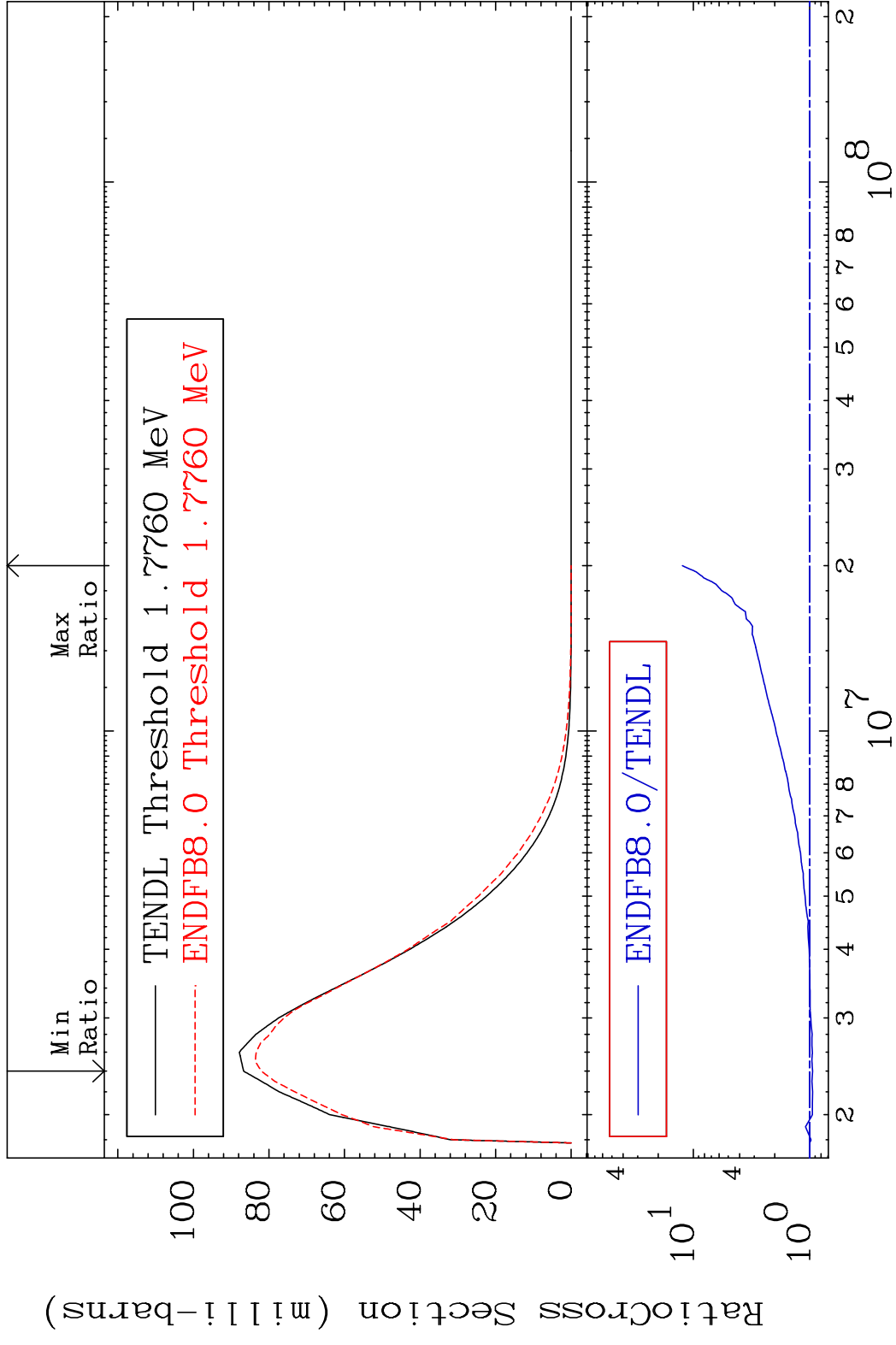


MAT 2828 MT= 60 (n, n') Level 28-Ni-59
 Cross Section 0.000 To 927.3 %

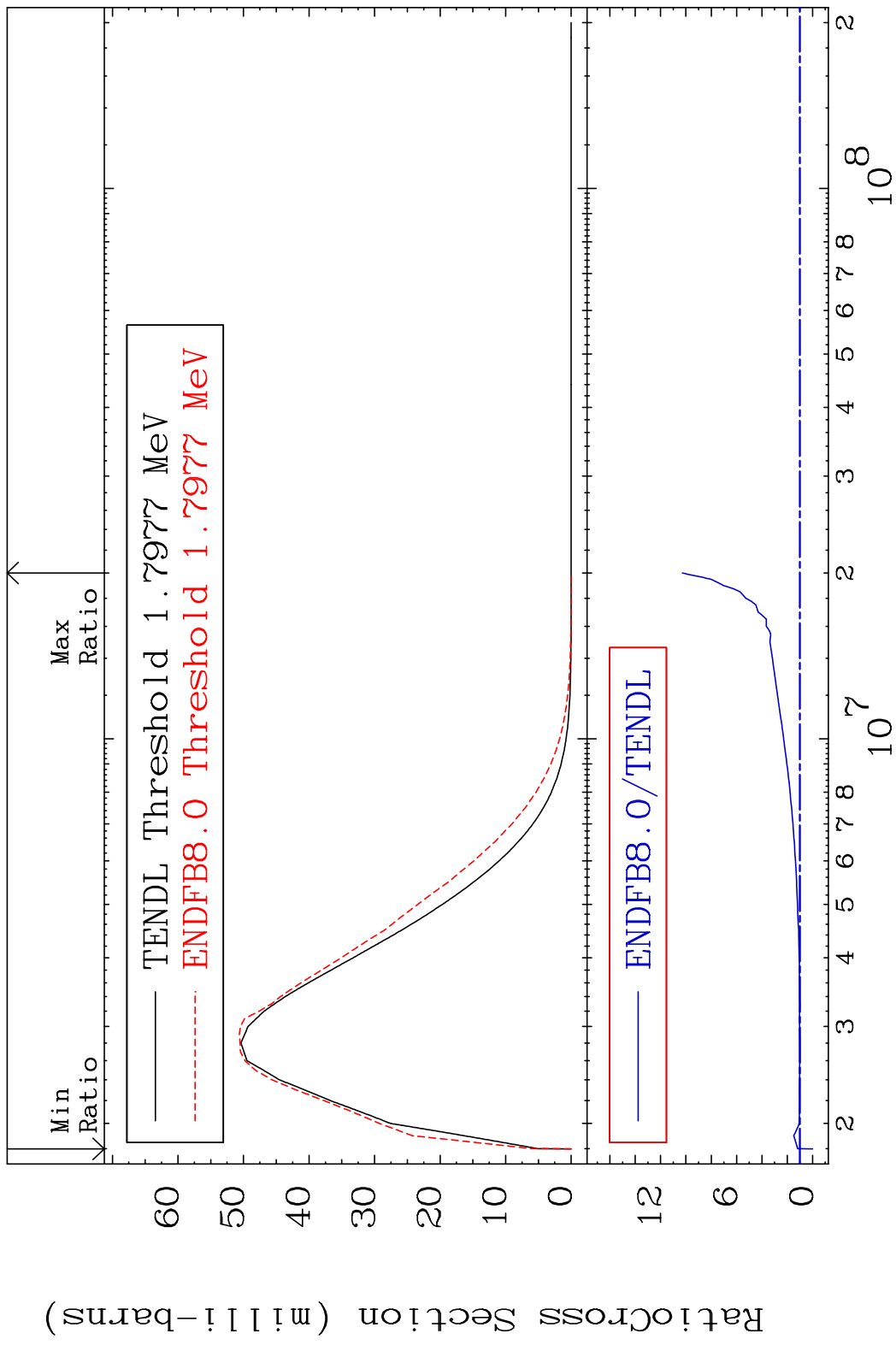


17 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 61 (n, n') Level 28-Ni-59
 Cross Section -5.415 To 1140. %



MAT 2828 MT= 62 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 928.2 %

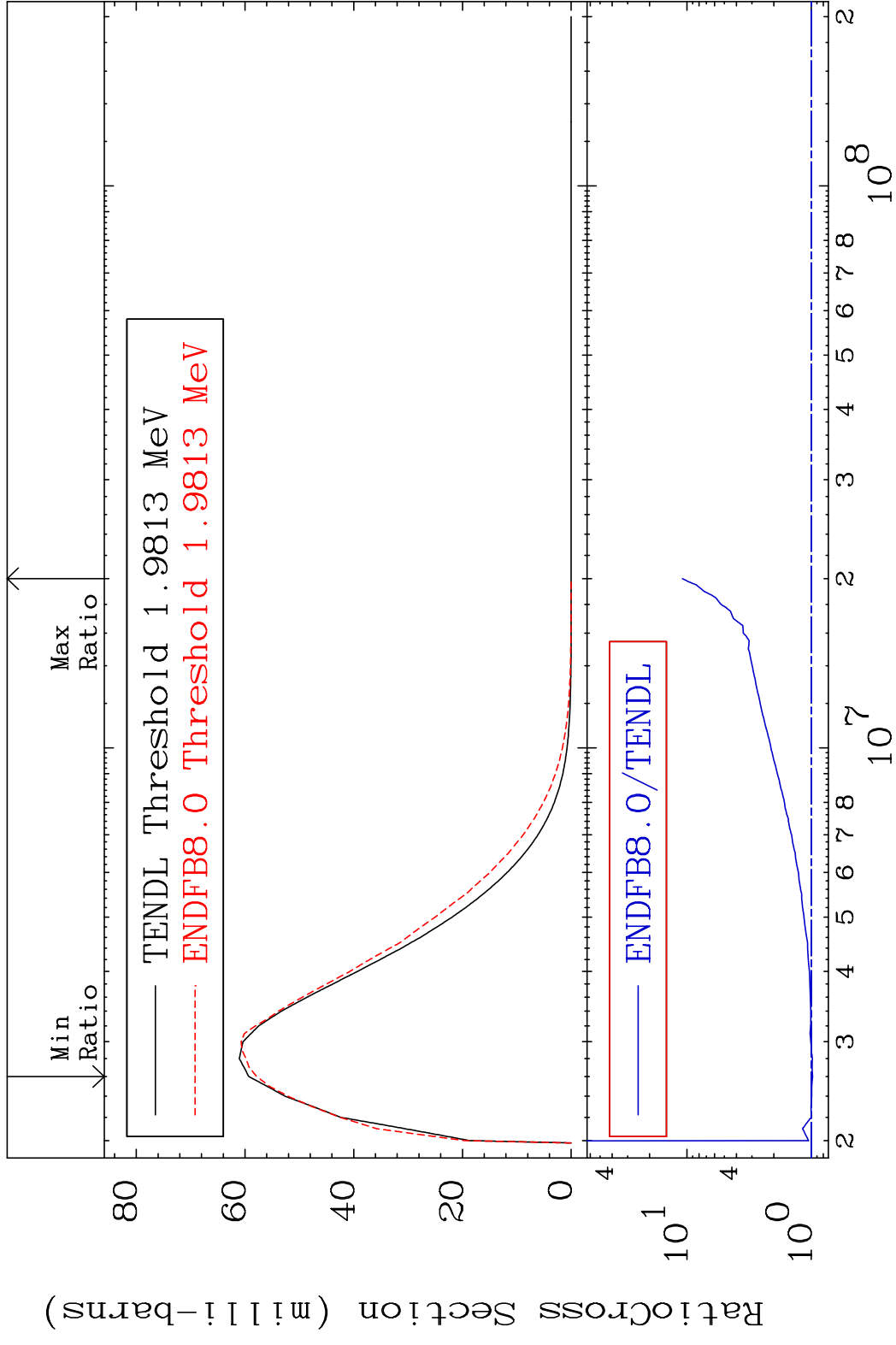


MAT 2828

MT= 63 (n, n') Level

28-Ni-59

Cross Section -2.471 To 989.6 %

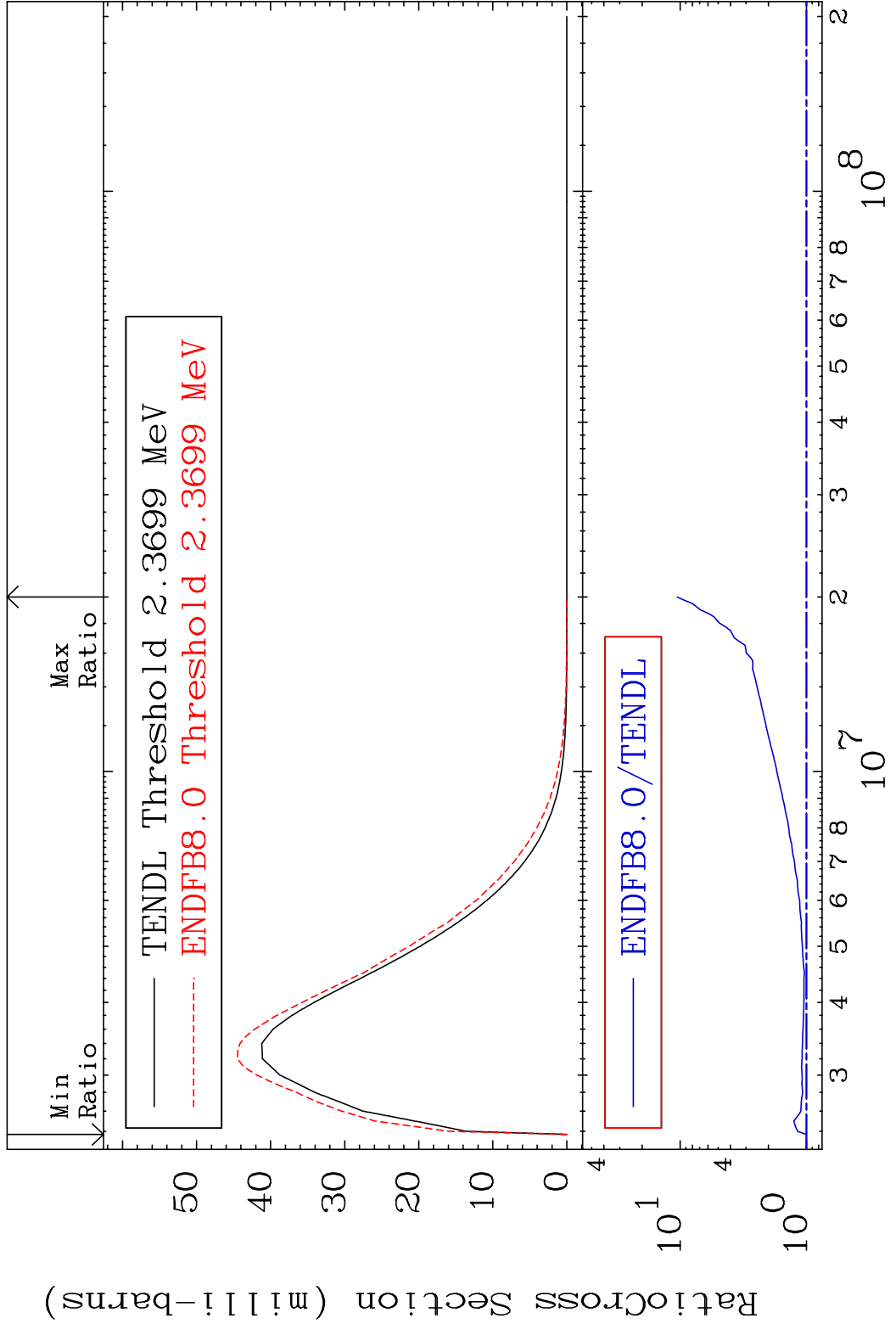


20

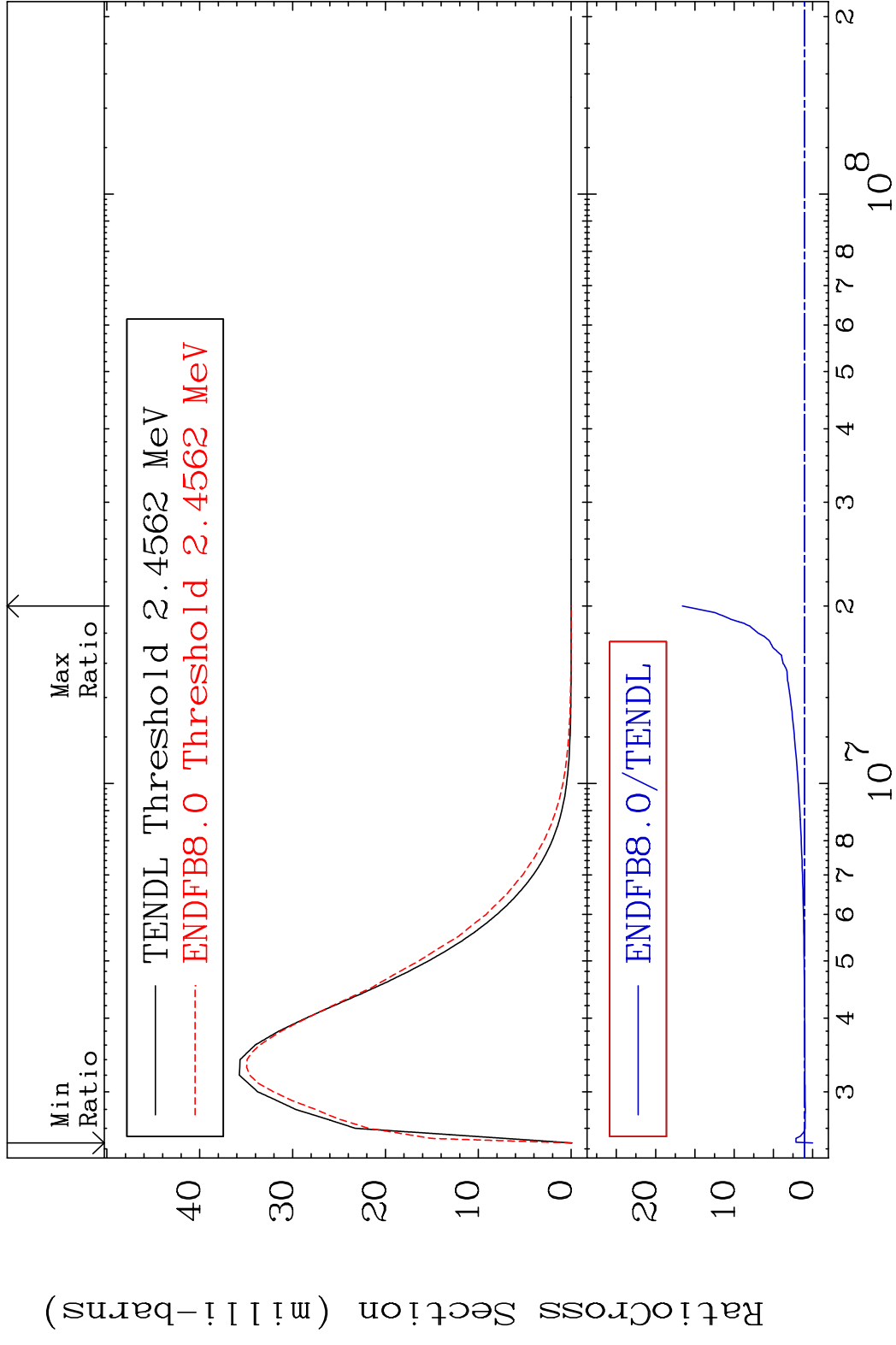
Incident Energy (eV)

28-Ni-59

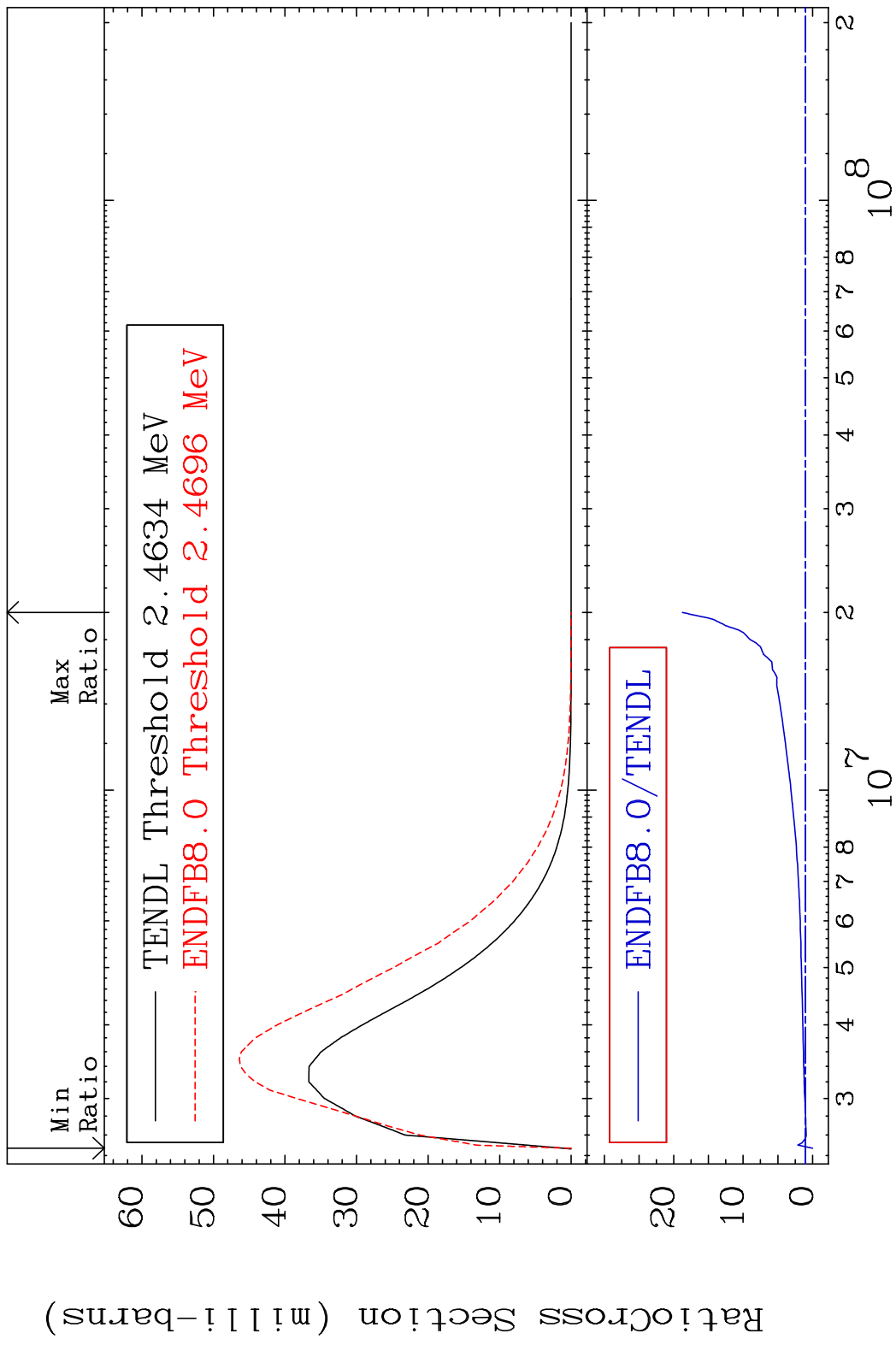
MAT 2828 MT= 64 (n, n') Level 28-Ni-59
 Cross Section 0.000 To 953.9 %



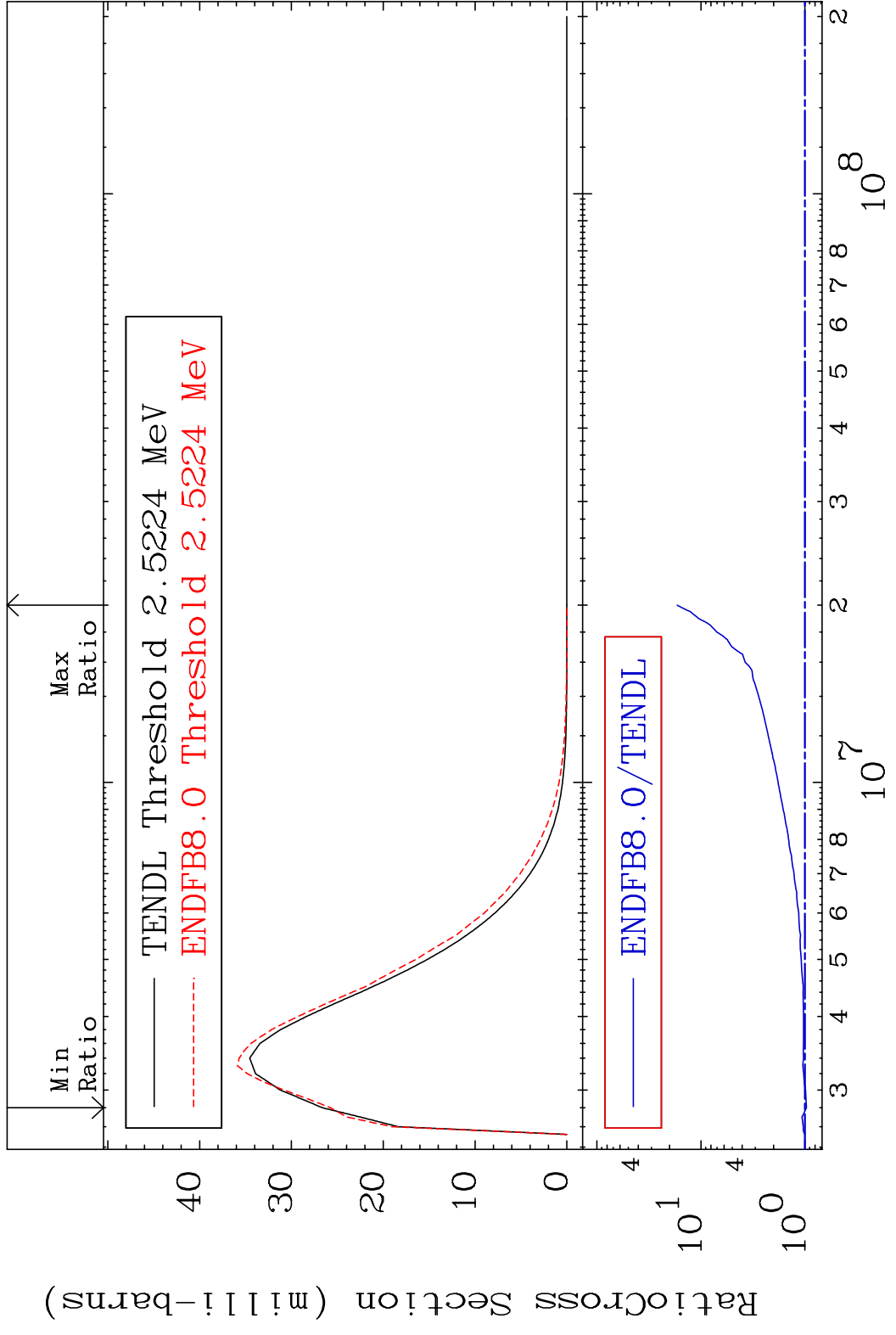
MAT 2828 MT= 65 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 1559. %



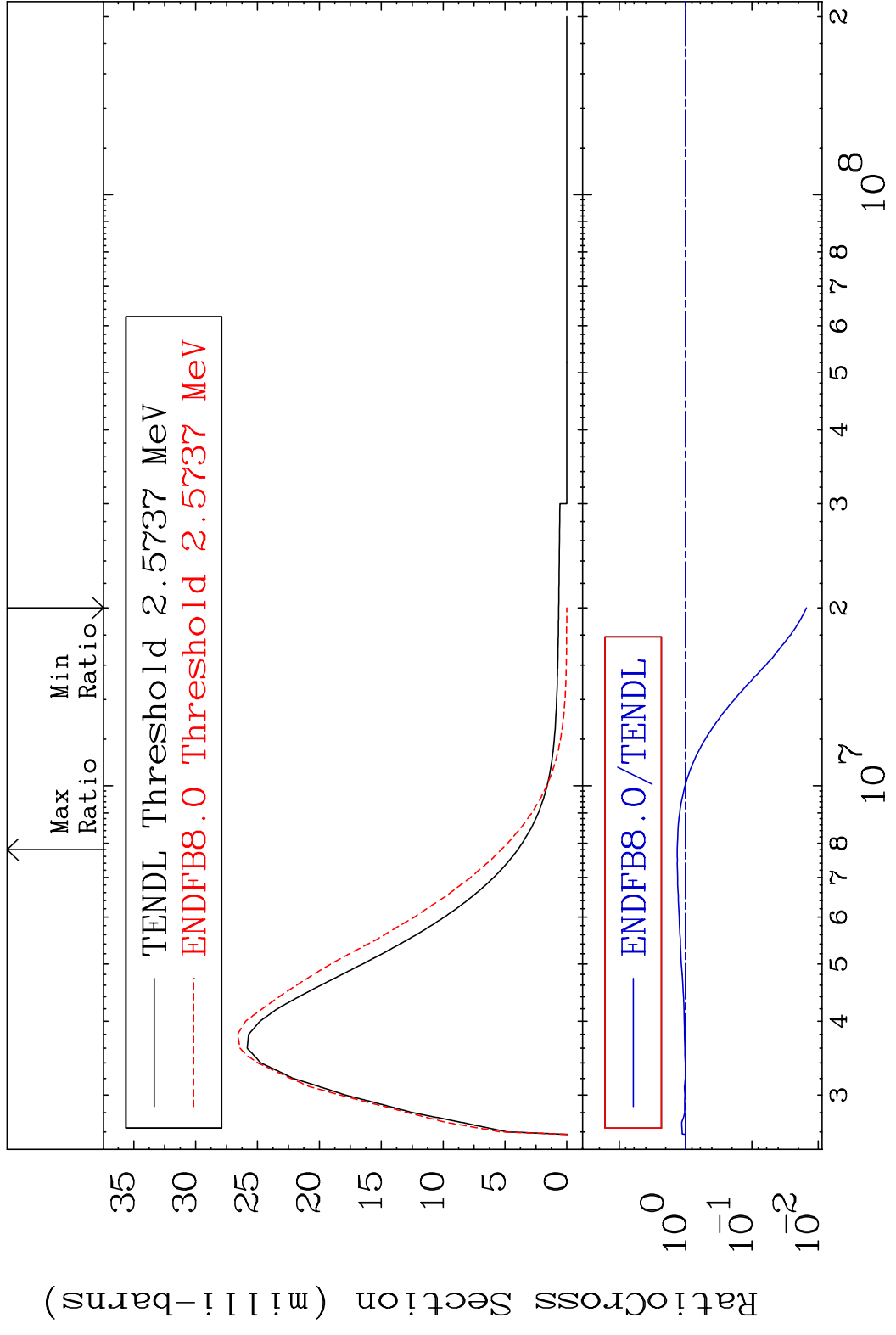
MAT 2828 MT= 66 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 1776. %



MAT 2828 MT= 67 (n, n') Level 28-Ni-59
 Cross Section -3.332 To 1592. %

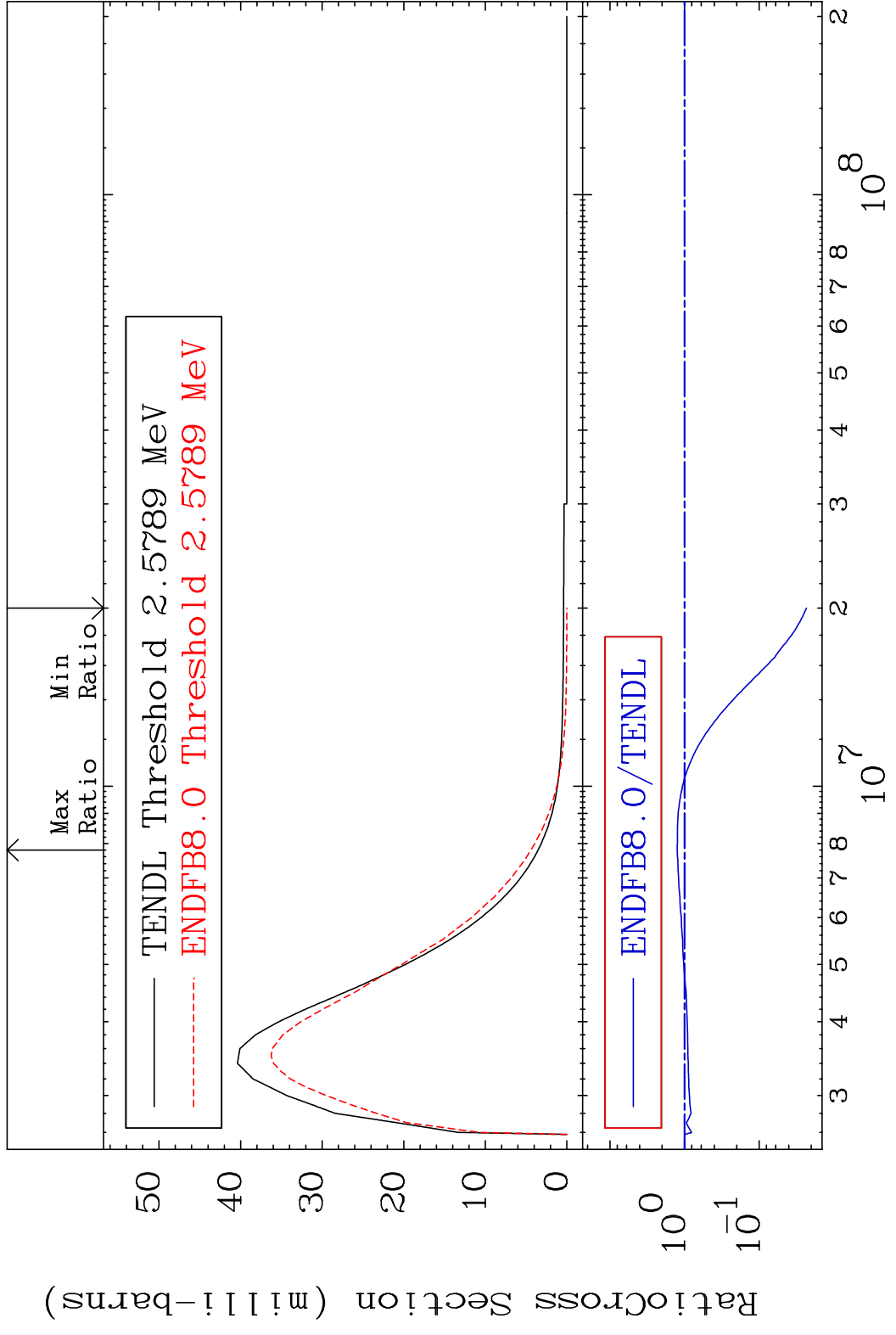


MAT 2828 MT= 68 (n, n') Level 28-Ni-59
 Cross Section -98.50 To 33.79 %

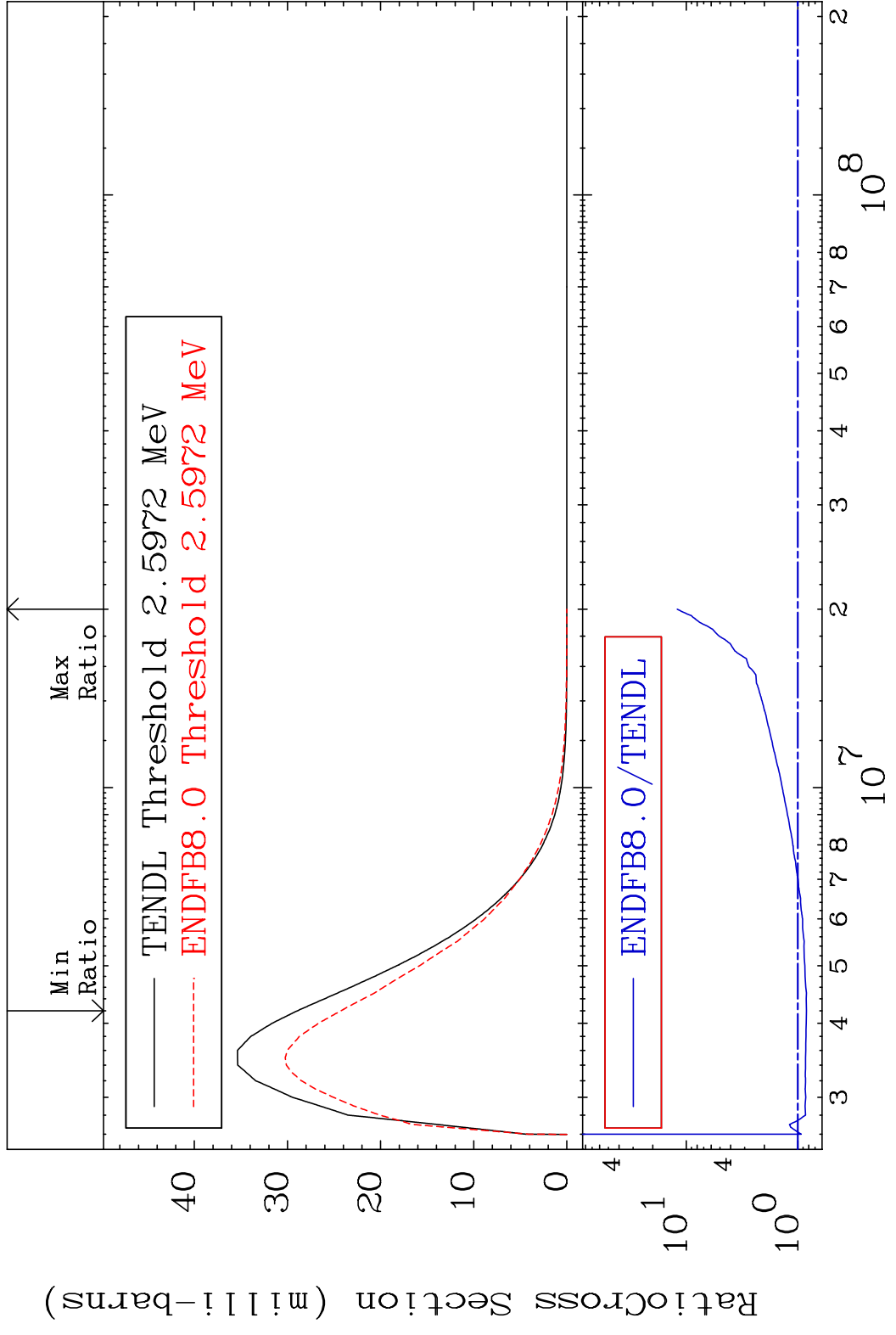


25 Incident Energy (eV) 28-Ni-59

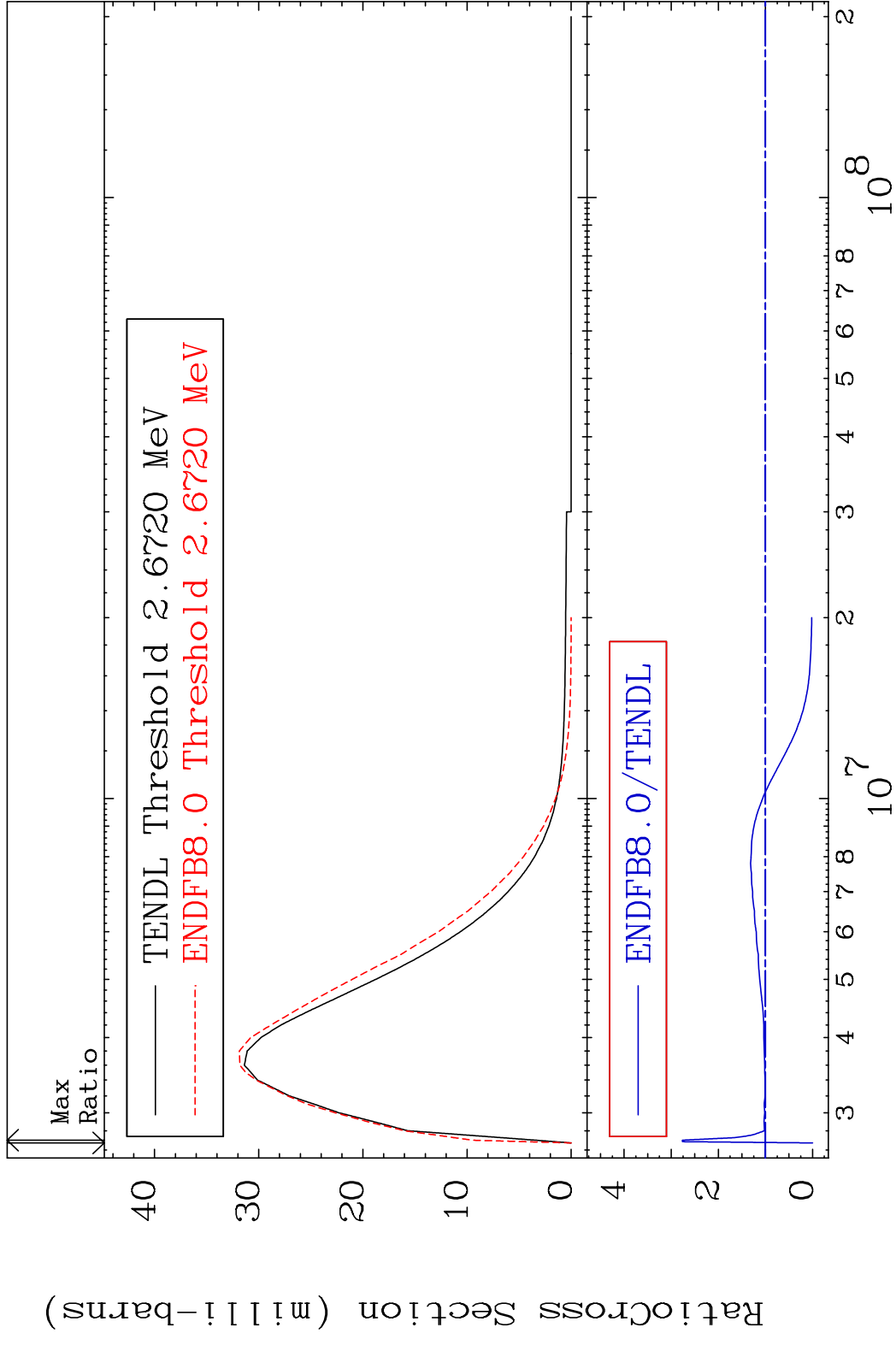
MAT 2828 MT= 69 (n, n') Level 28-Ni-59
 Cross Section -97.68 To 25.58 %



MAT 2828 MT= 70 (n, n') Level 28-Ni-59
 Cross Section -16.14 To 1107. %

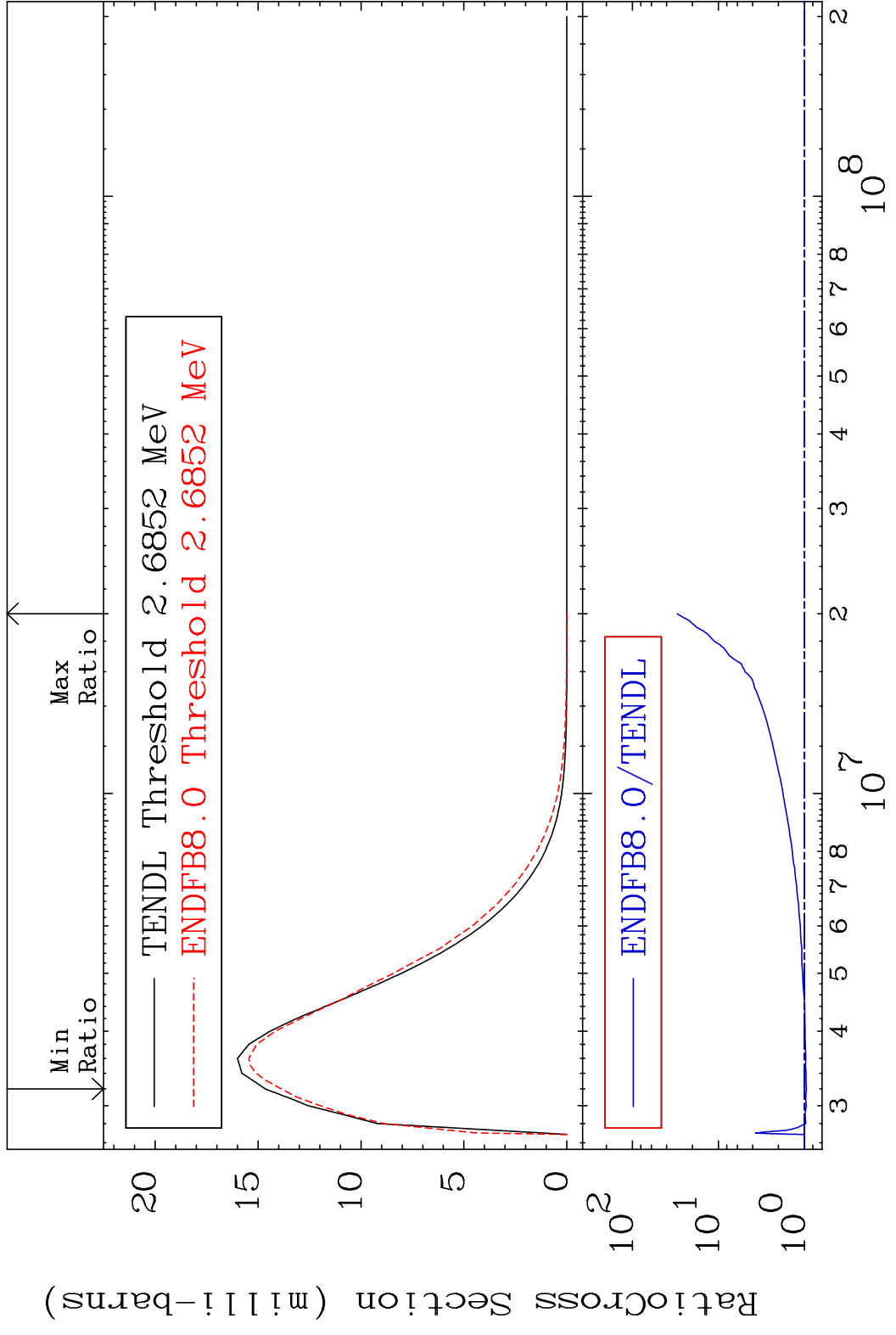


MAT 2828 MT= 71 (n,n') Level 28-Ni-59
 Cross Section -100.0 To 176.4 %



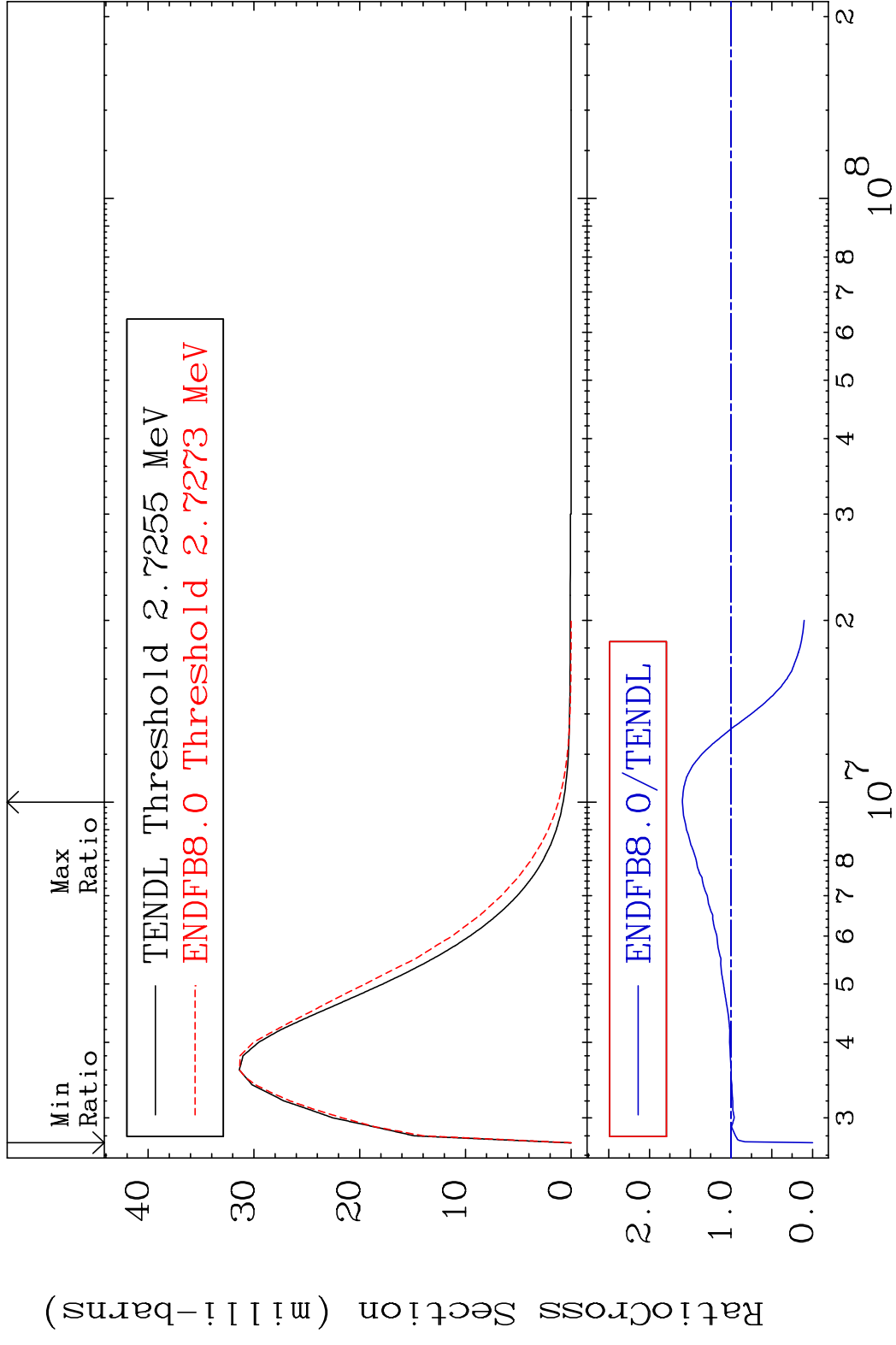
28 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 72 (n, n') Level 28-Ni-59
 Cross Section -5.288 To 2913. %



29 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 73 (n, n') Level 28-Ni-59
 Cross Section -100.0 To 59.75 %



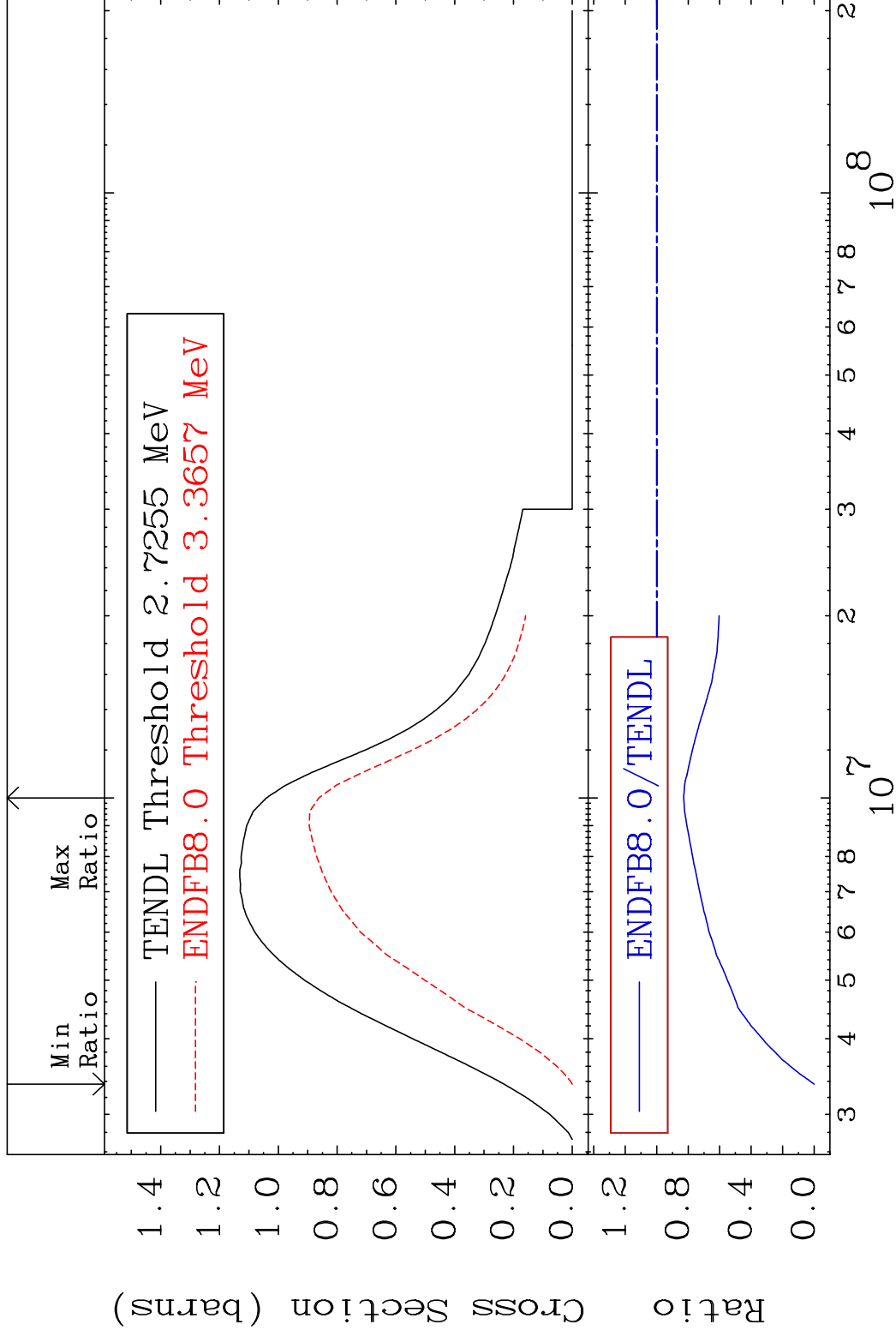
30 28-Ni-59

MAT 2828

(n,n') Continuum

28-Ni-59

Cross Section -100.0 To -17.13%



31

Incident Energy (eV)

28-Ni-59

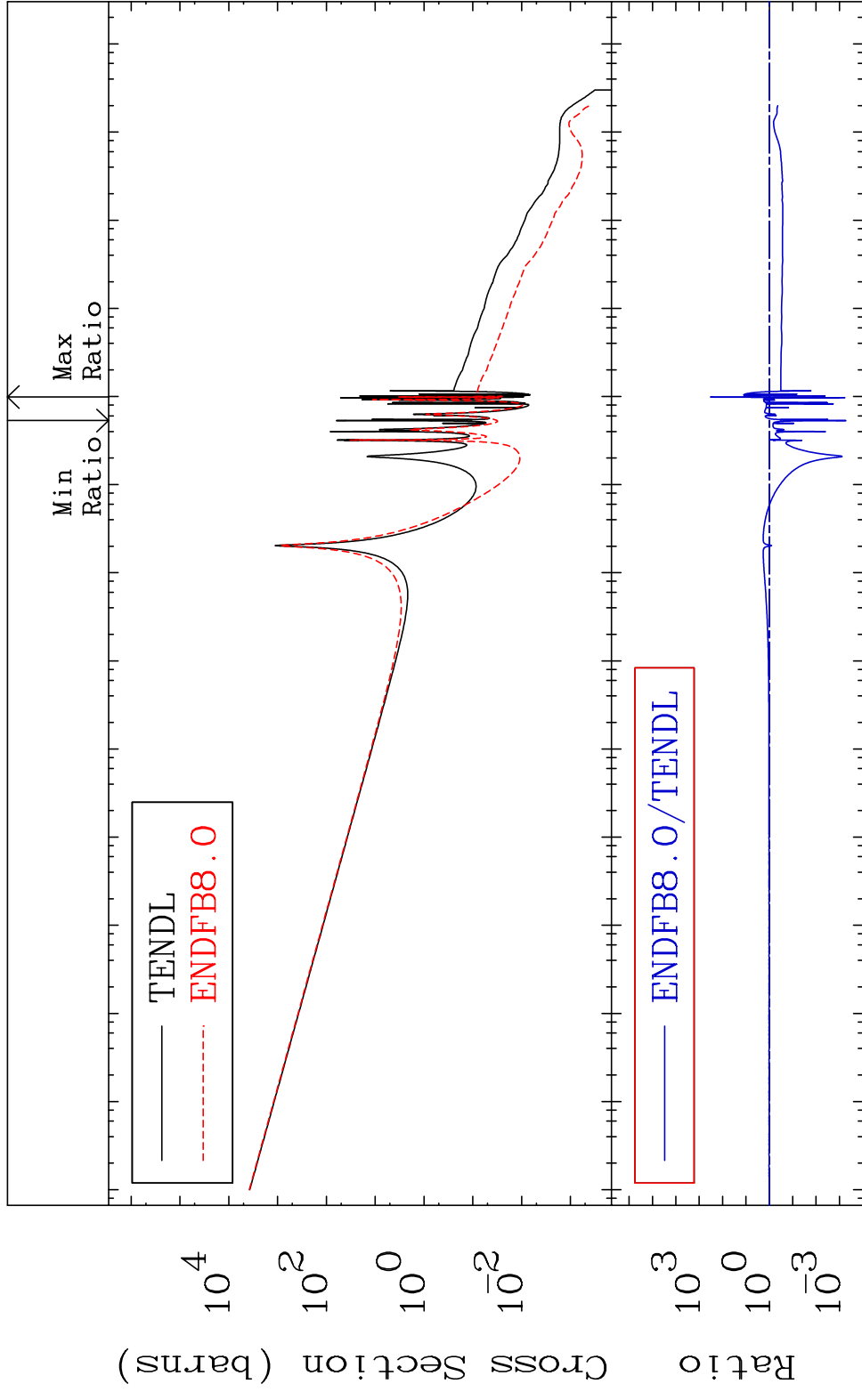
MAT 2828

(n, γ)

28-Ni-59

Cross Section

-99.95 To 9999. %



32

Incident Energy (eV)

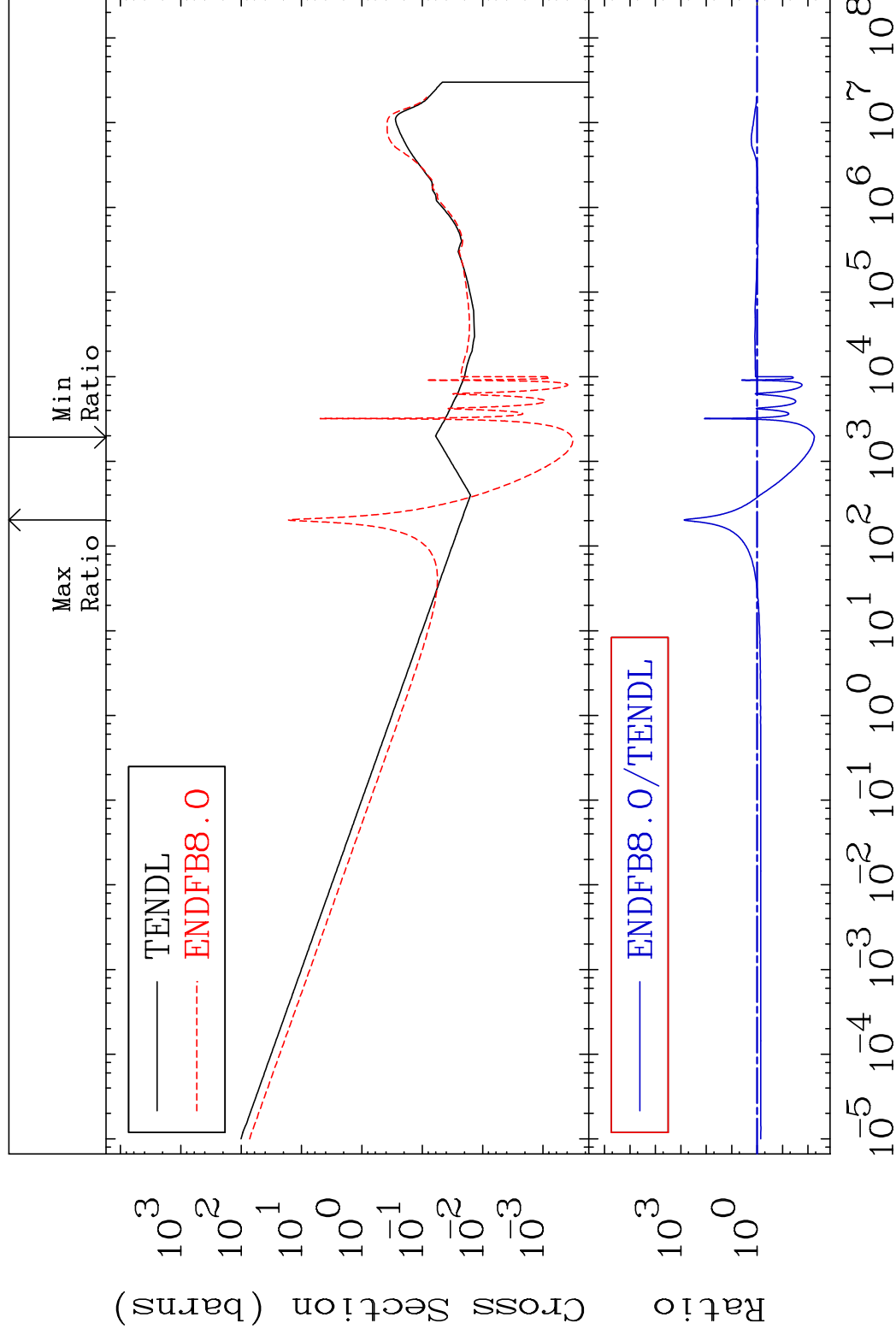
28-Ni-59

MAT 2828

(n, p)

28-Ni-59

Cross Section -99.43 To 9999. %

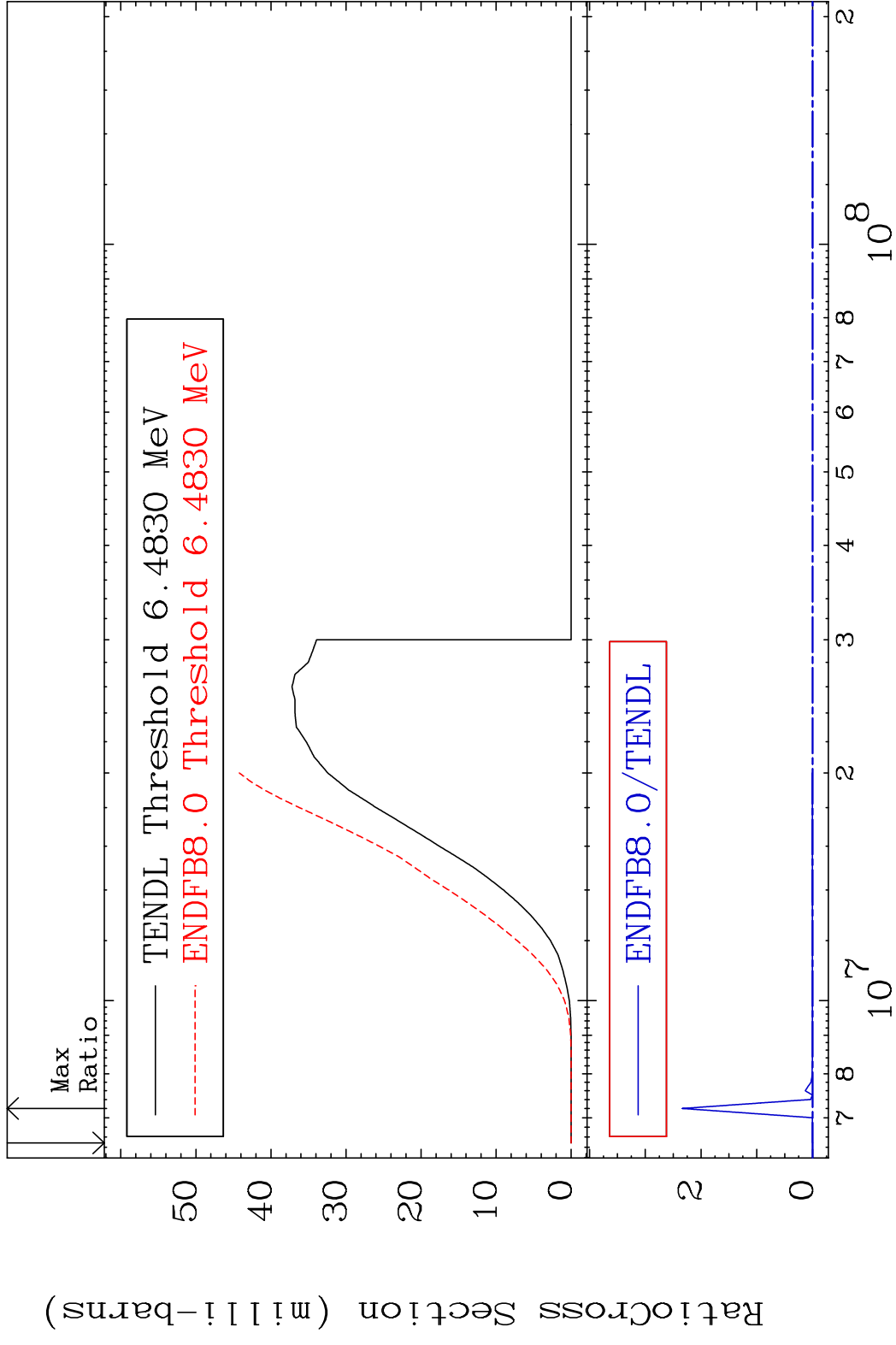


33

Incident Energy (eV)

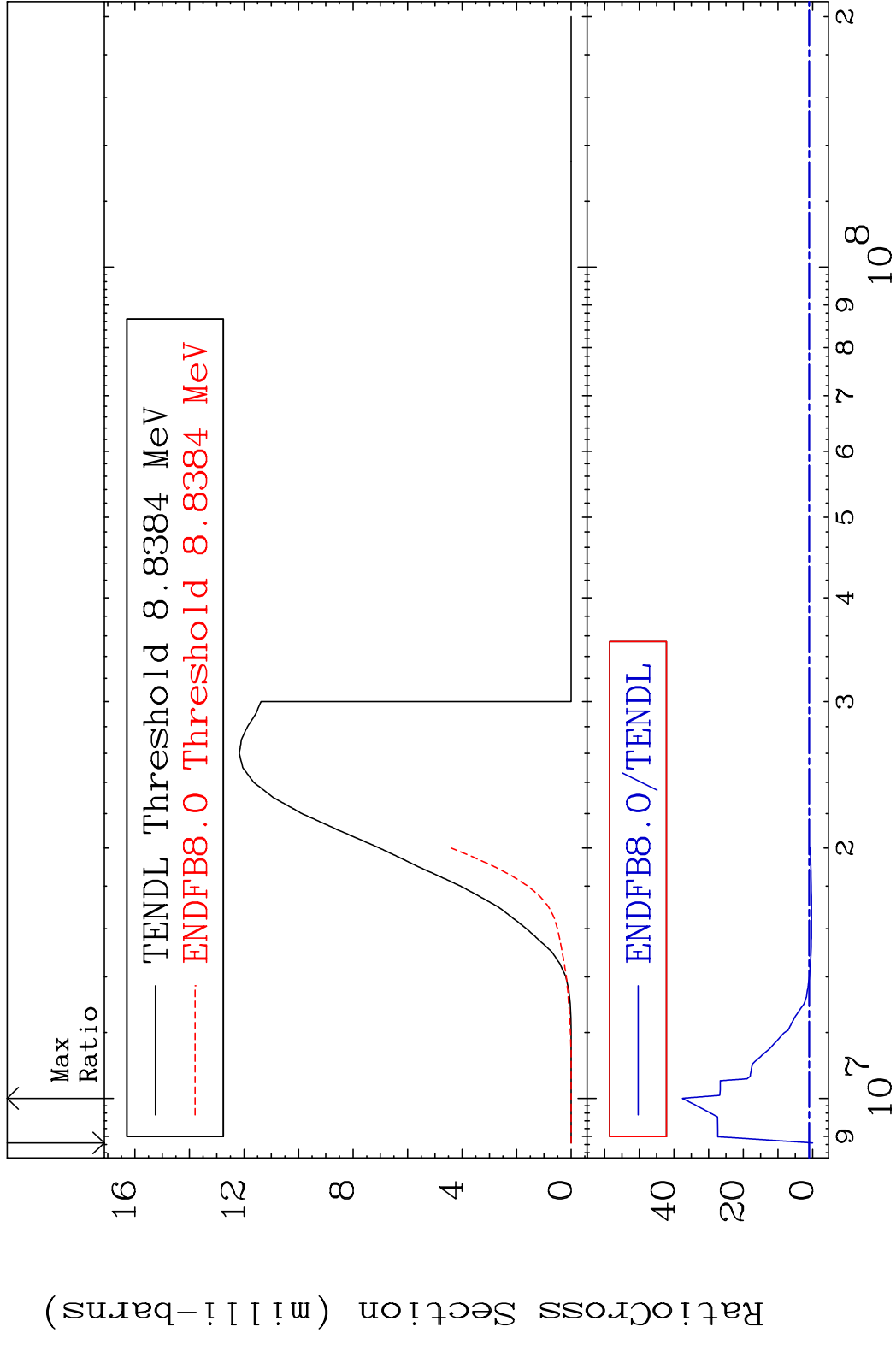
28-Ni-59

MAT 2828 (n,d) 28-Ni-59
 Cross Section -100.0 To 9999. %



34 28-Ni-59

MAT 2828 (n, t) 28-Ni-59
 Cross Section -100.0 To 3657. %



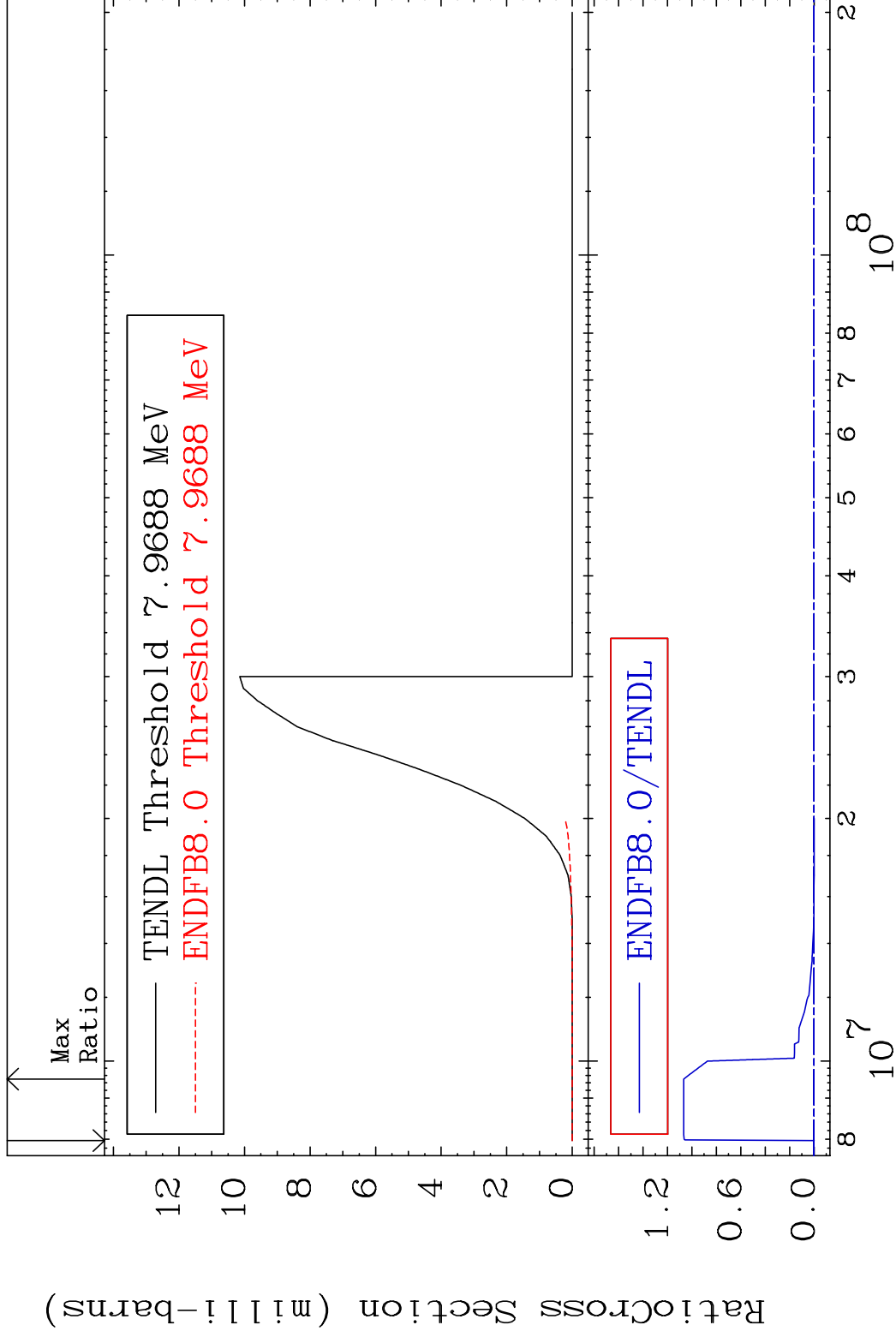
35 Incident Energy (eV) 28-Ni-59

MAT 2828

(n, He-3)

28-Ni-59

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

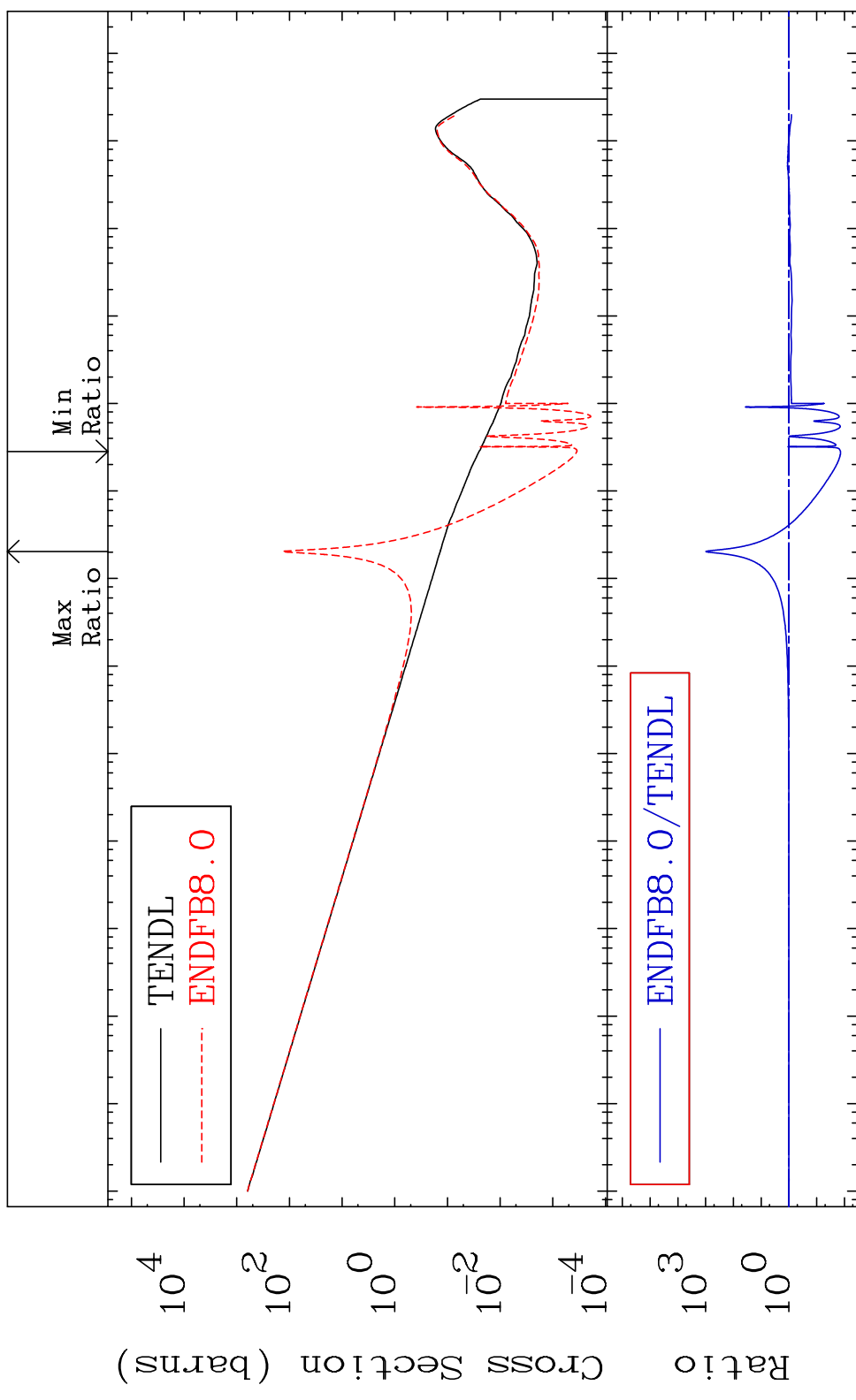
28-Ni-59

MAT 2828

28-Ni-59

(n, α)

Cross Section -98.60 To 9999. %

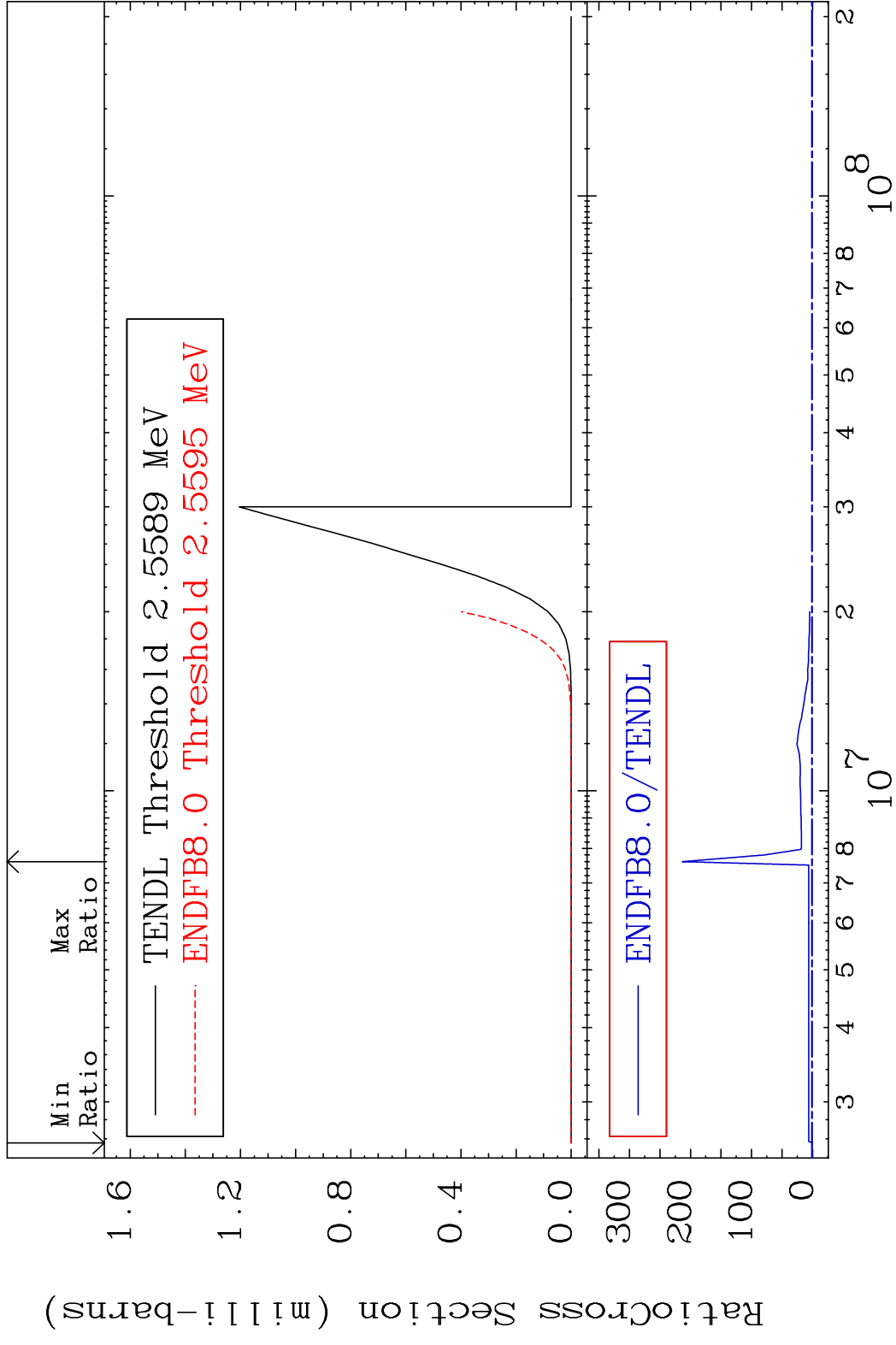


37

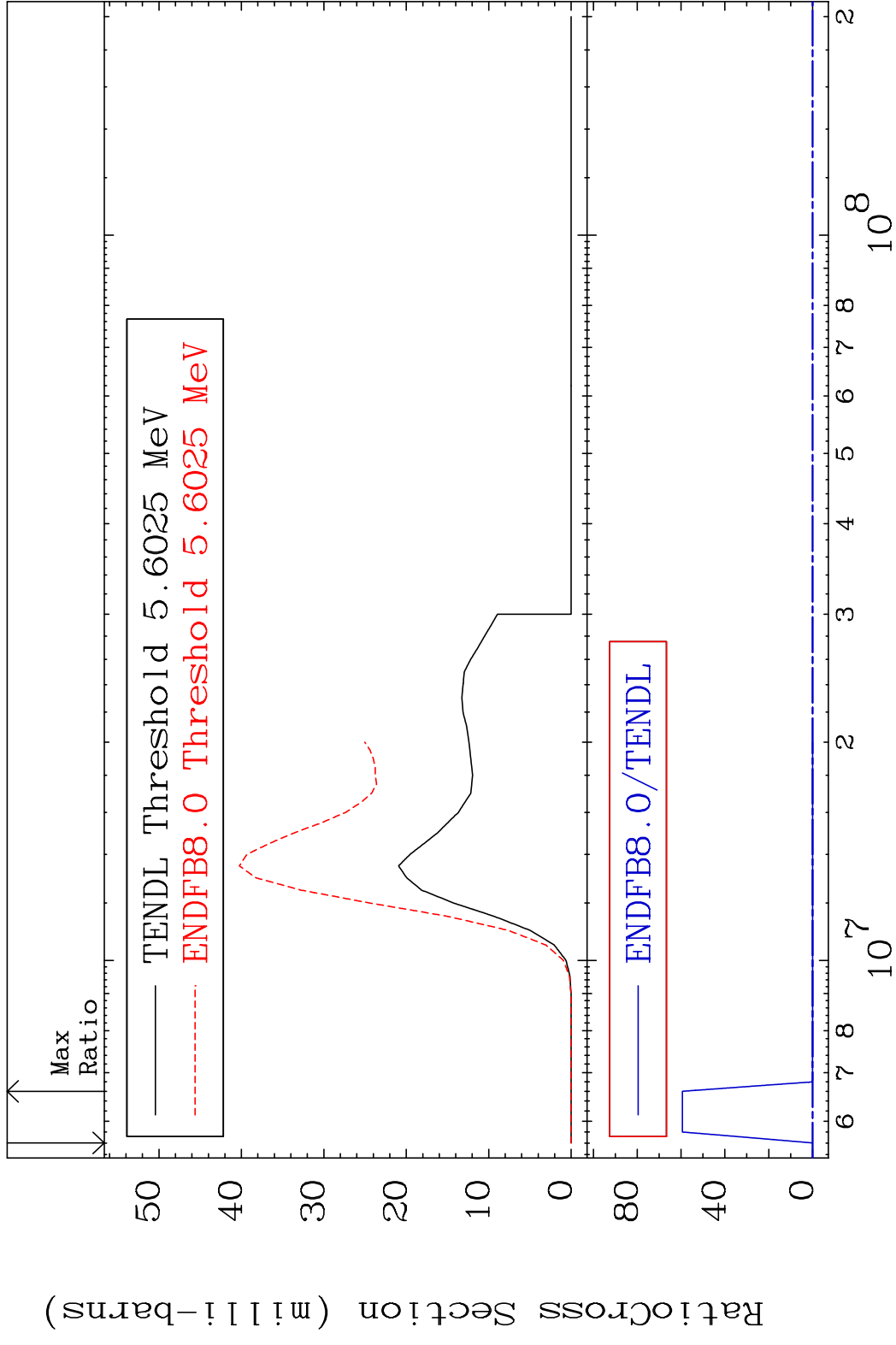
Incident Energy (eV)

28-Ni-59

MAT 2828 (n,2α) 28-Ni-59
 Cross Section -100.0 To 9999. %

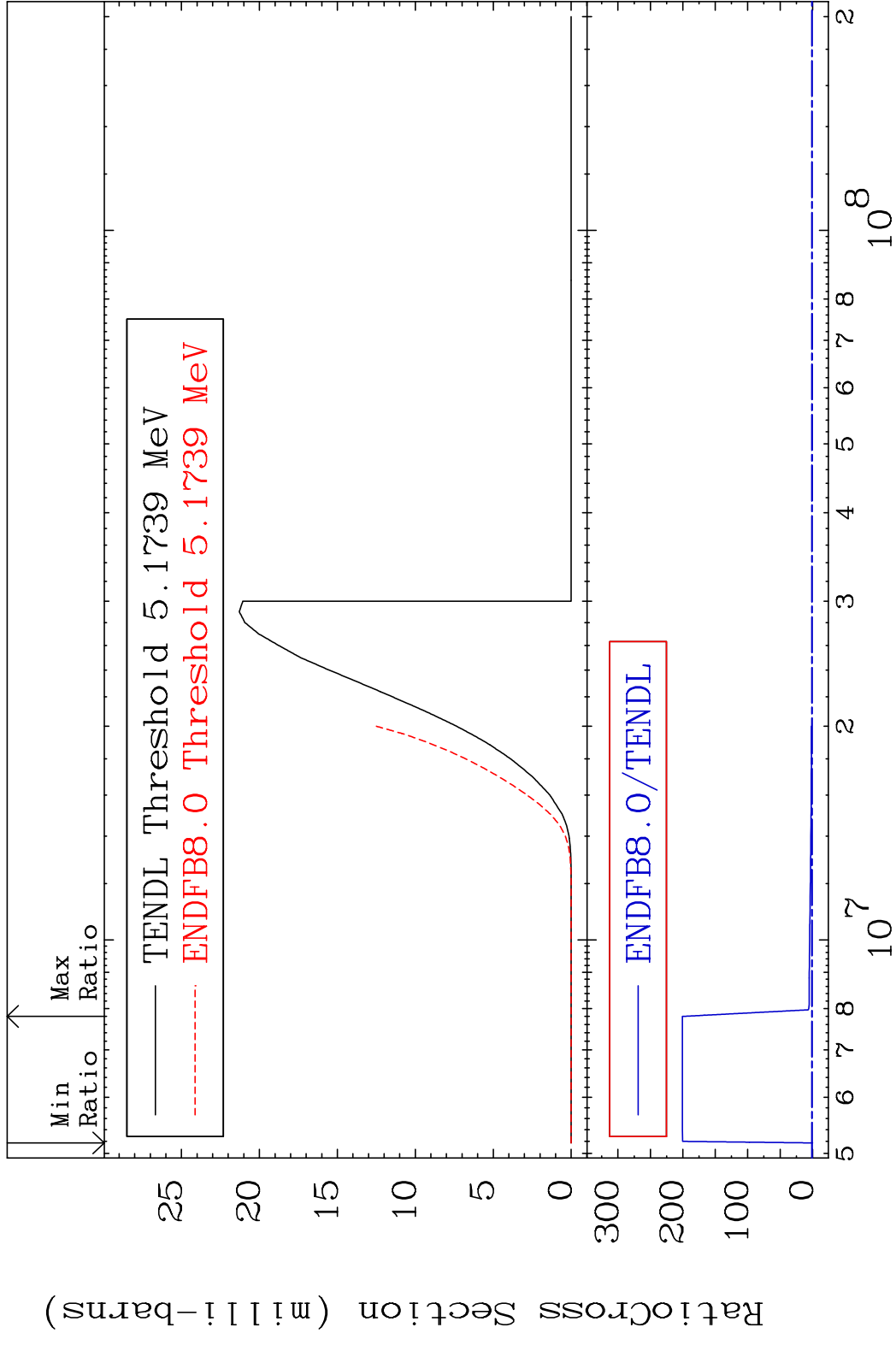


MAT 2828 (n,2p) 28-Ni-59
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 28-Ni-59

MAT 2828 (n,p) α 28-Ni-59
 Cross Section -100.0 To 9999. %

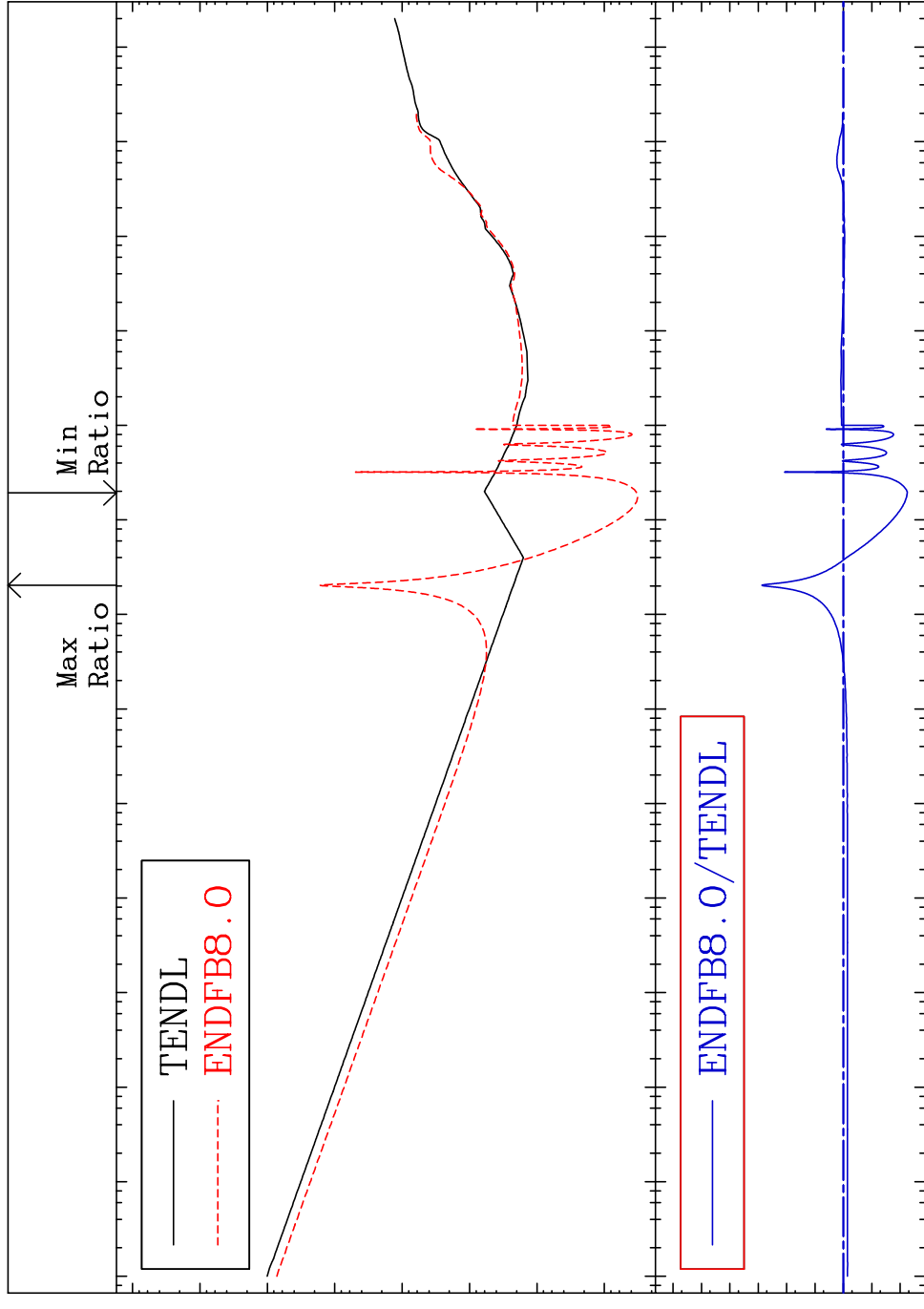


40 28-Ni-59

MAT 2828

Hydrogen Production
Cross Section -99.43 To 9999. %

28-Ni-59

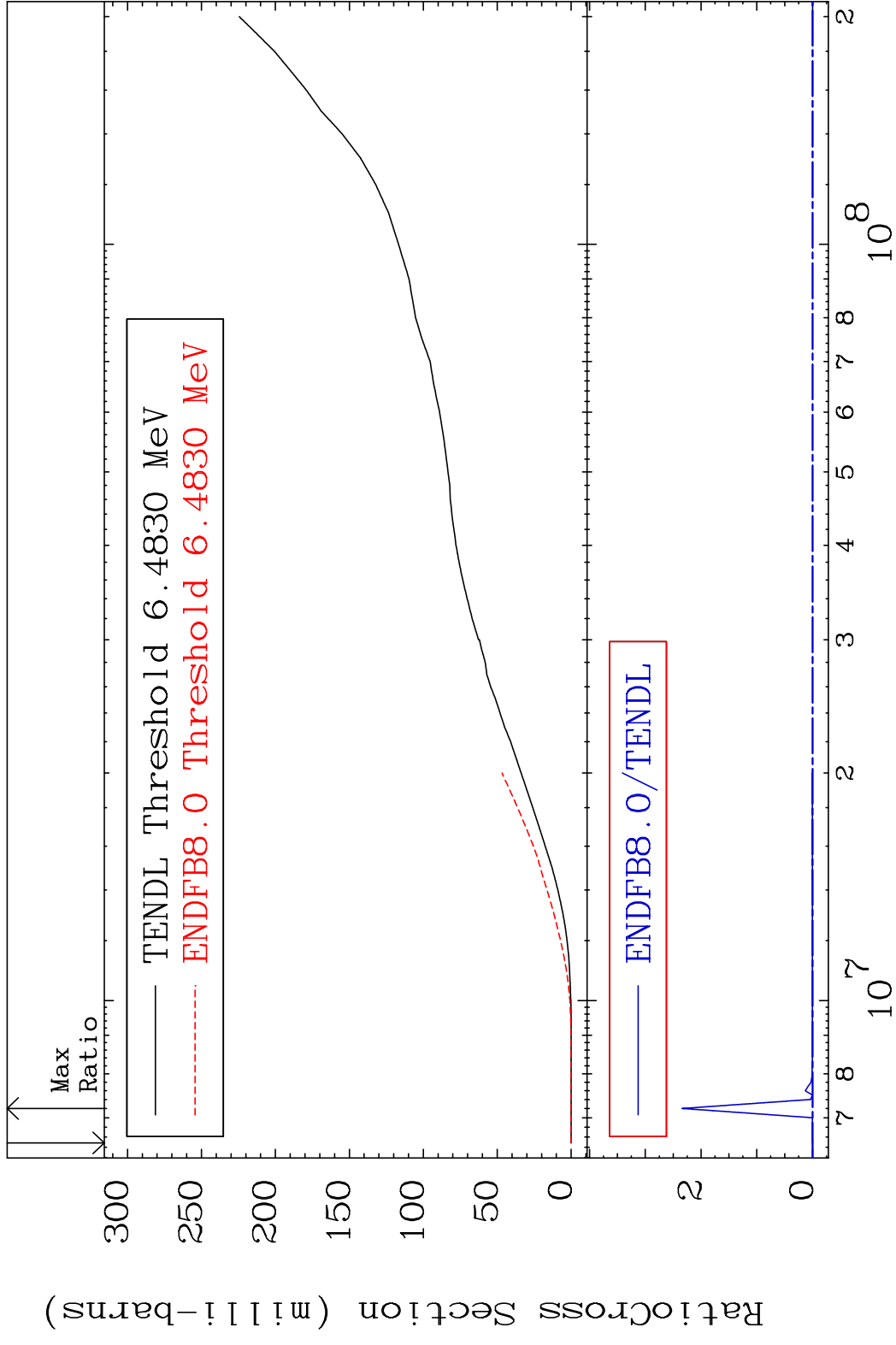


Cross Section (barns)
Ratio

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

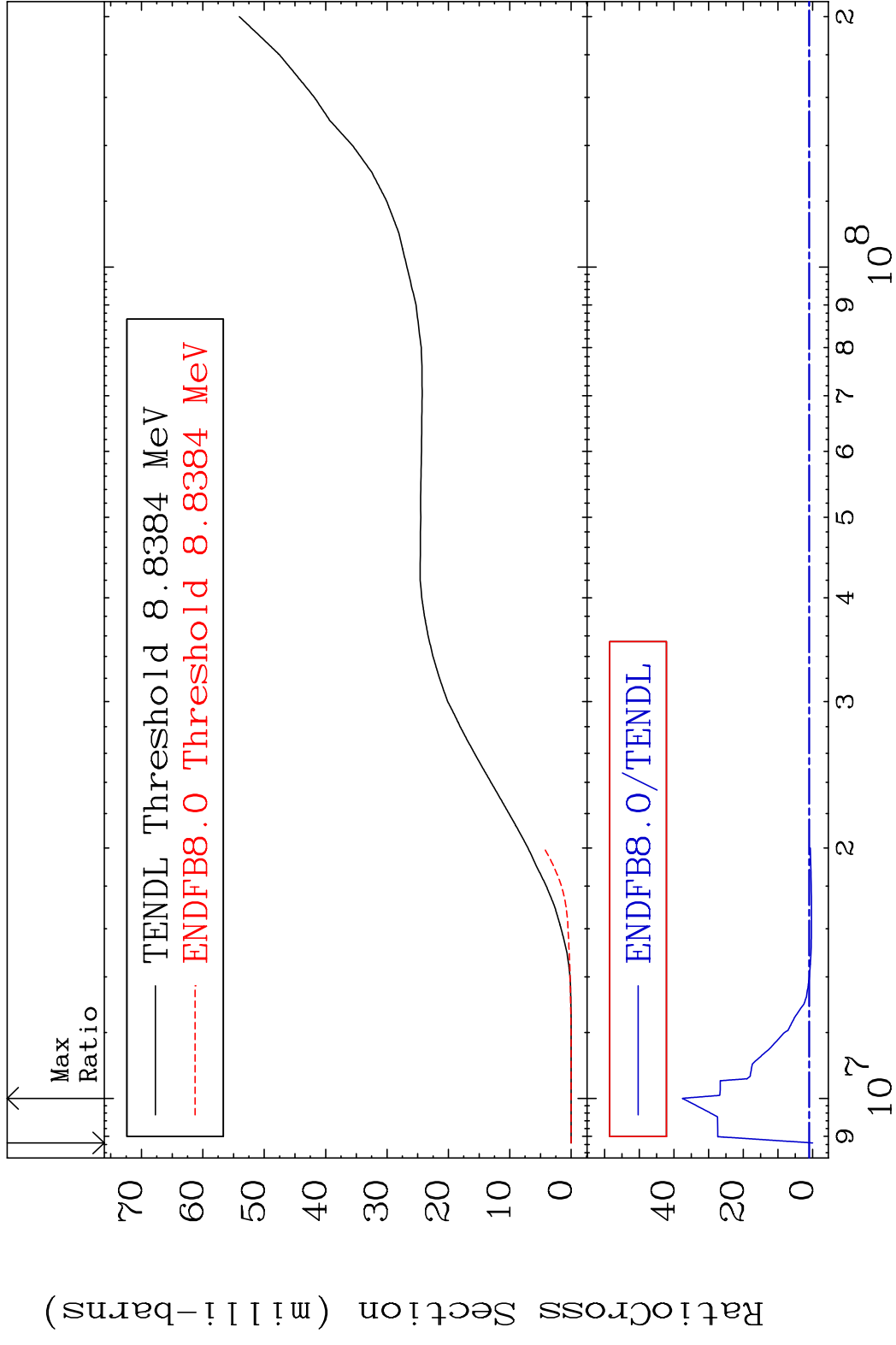
41 Incident Energy (eV) 28-Ni-59

MAT 2828 Deuterium Production 28-Ni-59
 Cross Section -100.0 To 9999. %



42 Incident Energy (eV) 28-Ni-59

MAT 2828 Tritium Production 28-Ni-59
 Cross Section -100.0 To 3657. %



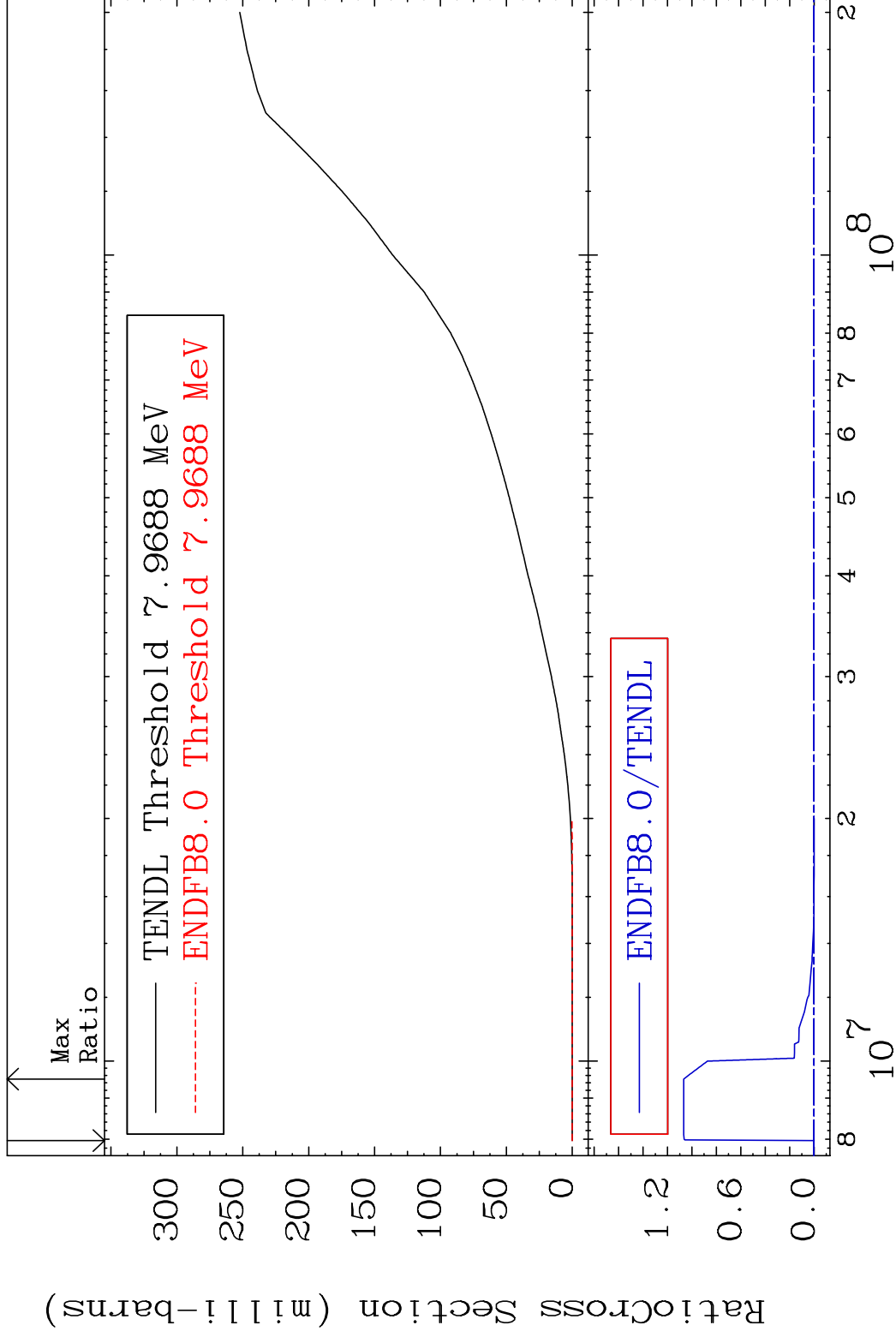
43 Incident Energy (eV) 28-Ni-59

MAT 2828

He-3 Production

28-Ni-59

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

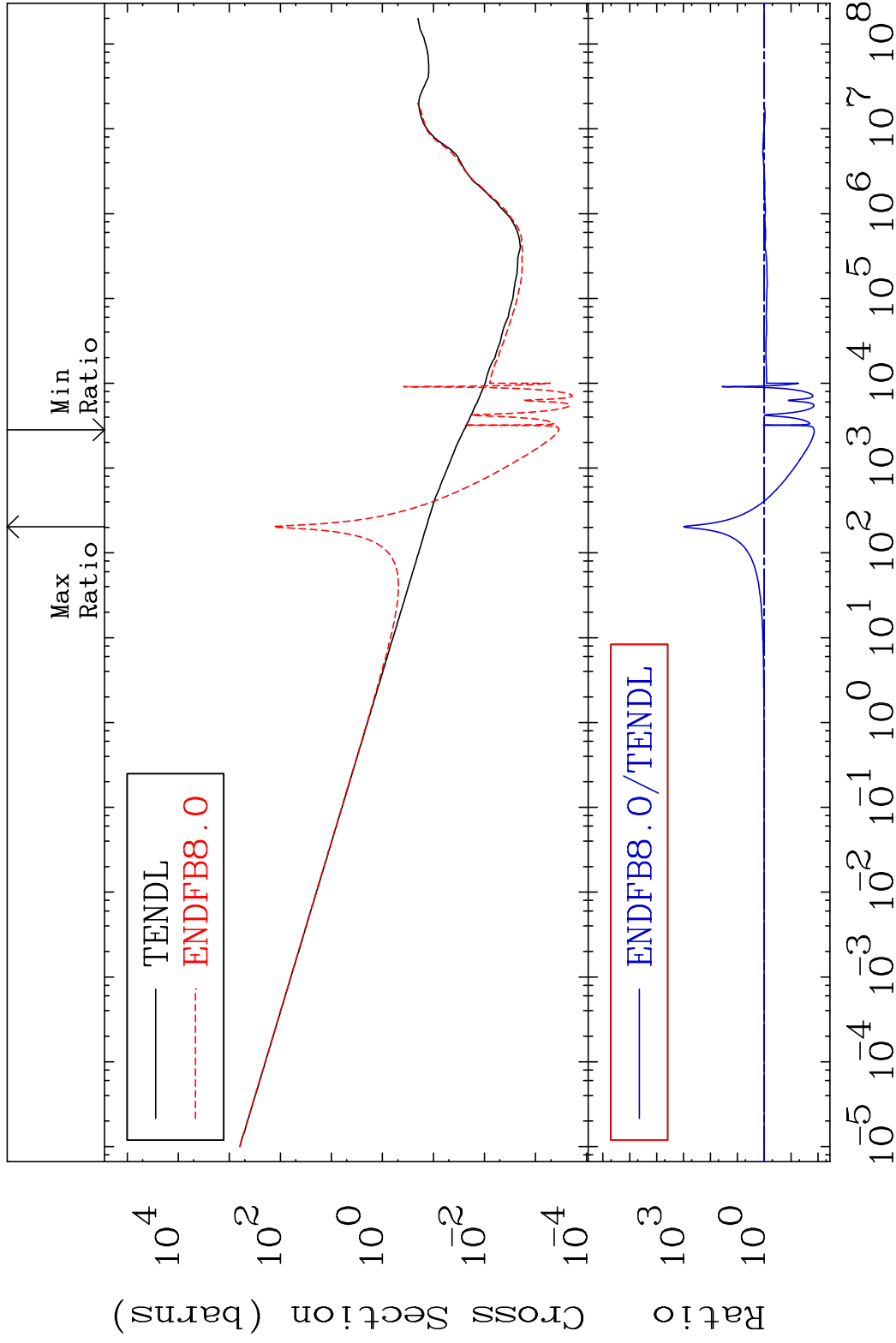
28-Ni-59

MAT 2828

He-4 Production

28-Ni-59

Cross Section -98.60 To 9999. %

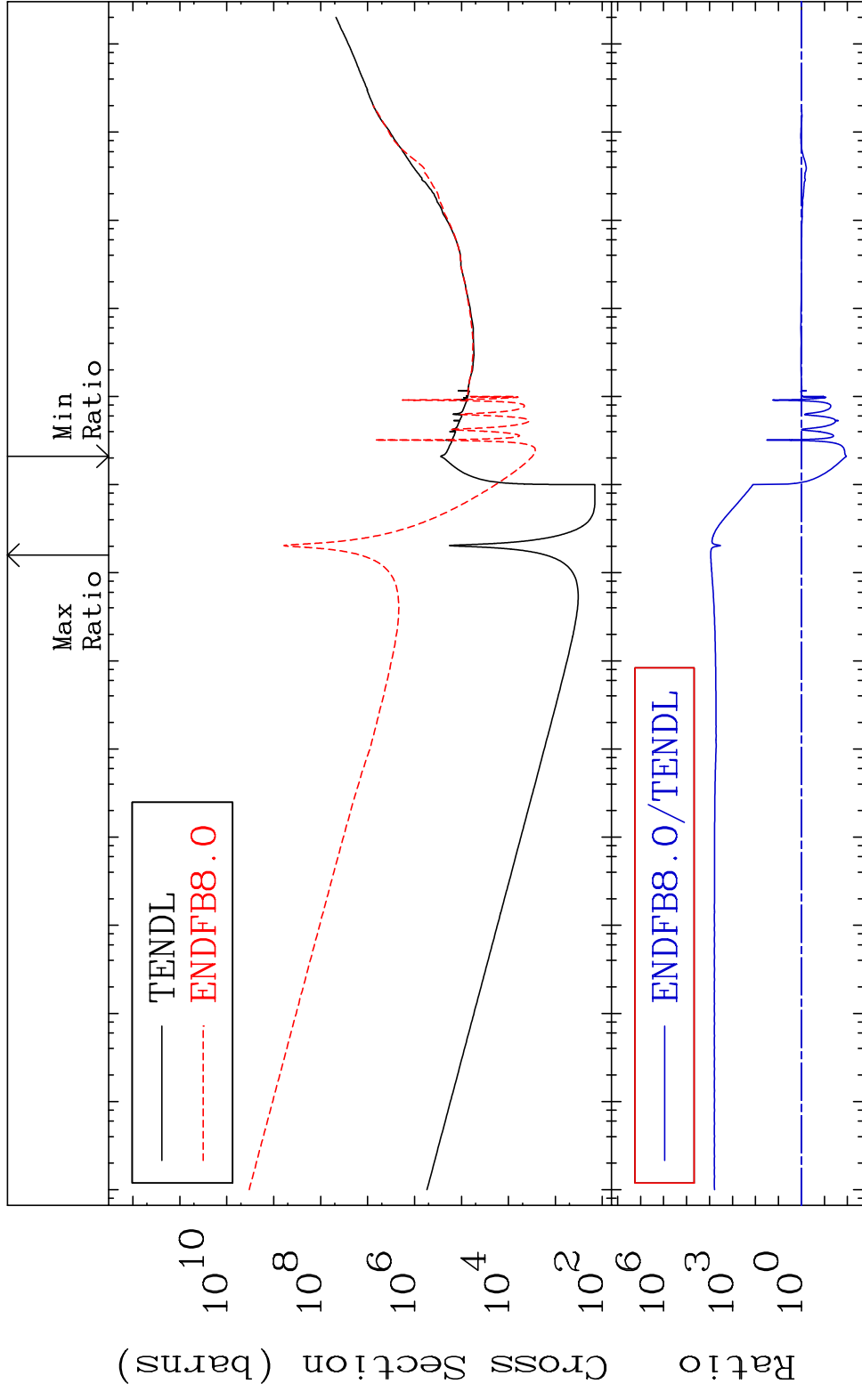


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Incident Energy (eV)

28-Ni-59

MAT 2828 Kerma total (eV-barns) 28-Ni-59
 Cross Section -98.88 To 9999. %

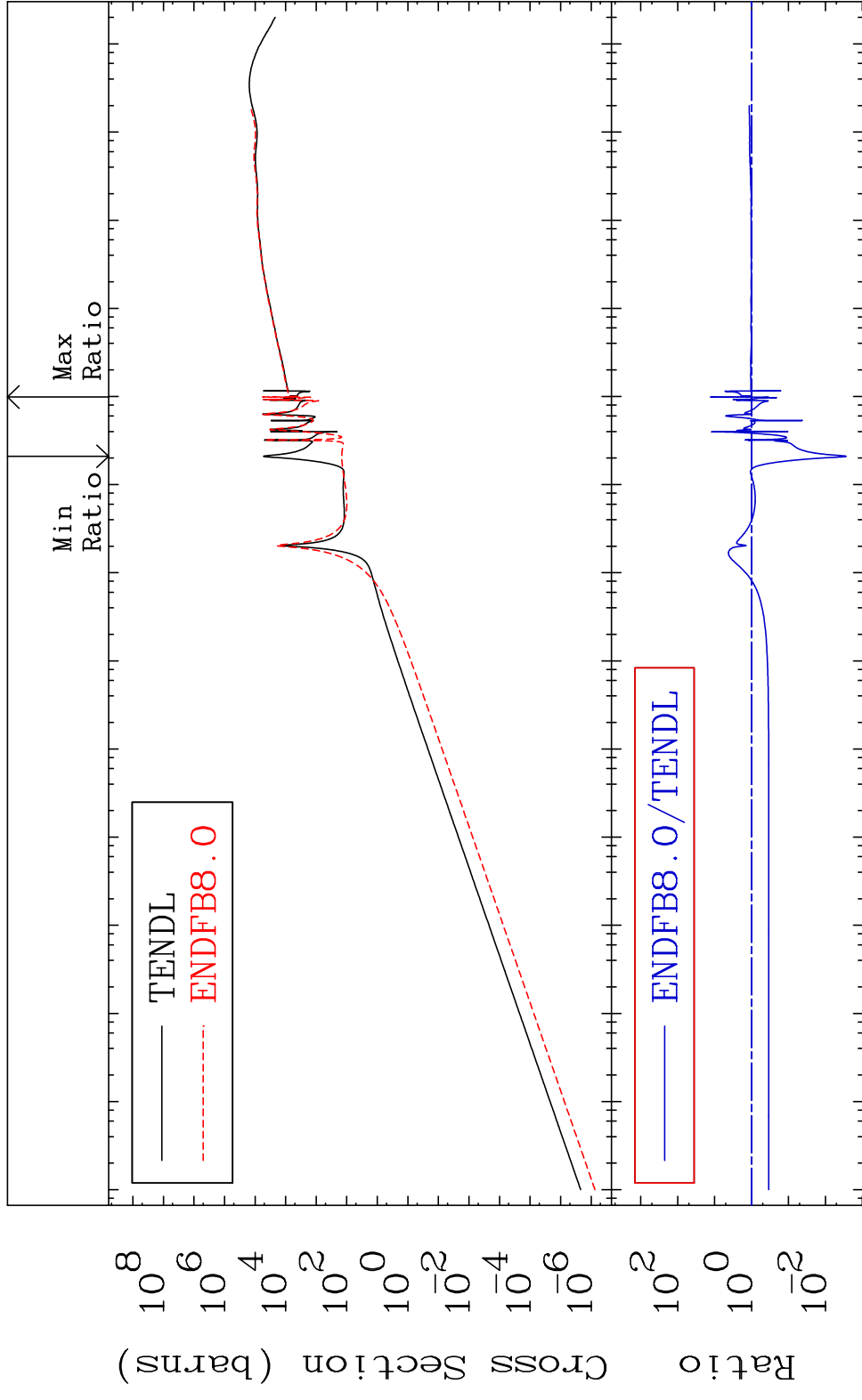


46 Incident Energy (eV) 28-Ni-59

MAT 2828

Kerma elastic
Cross Section

28-Ni-59
-99.73 To 1176. %

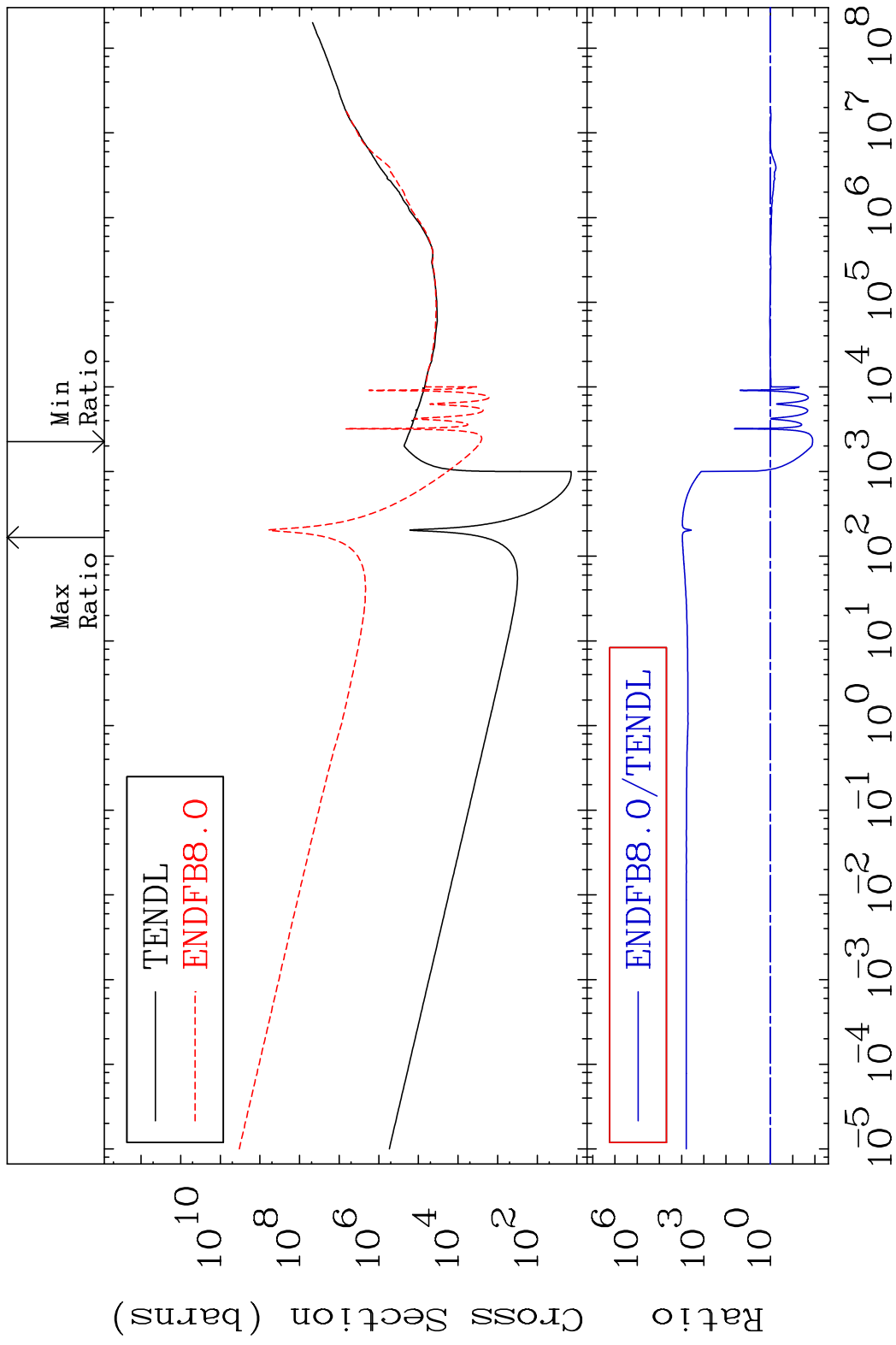


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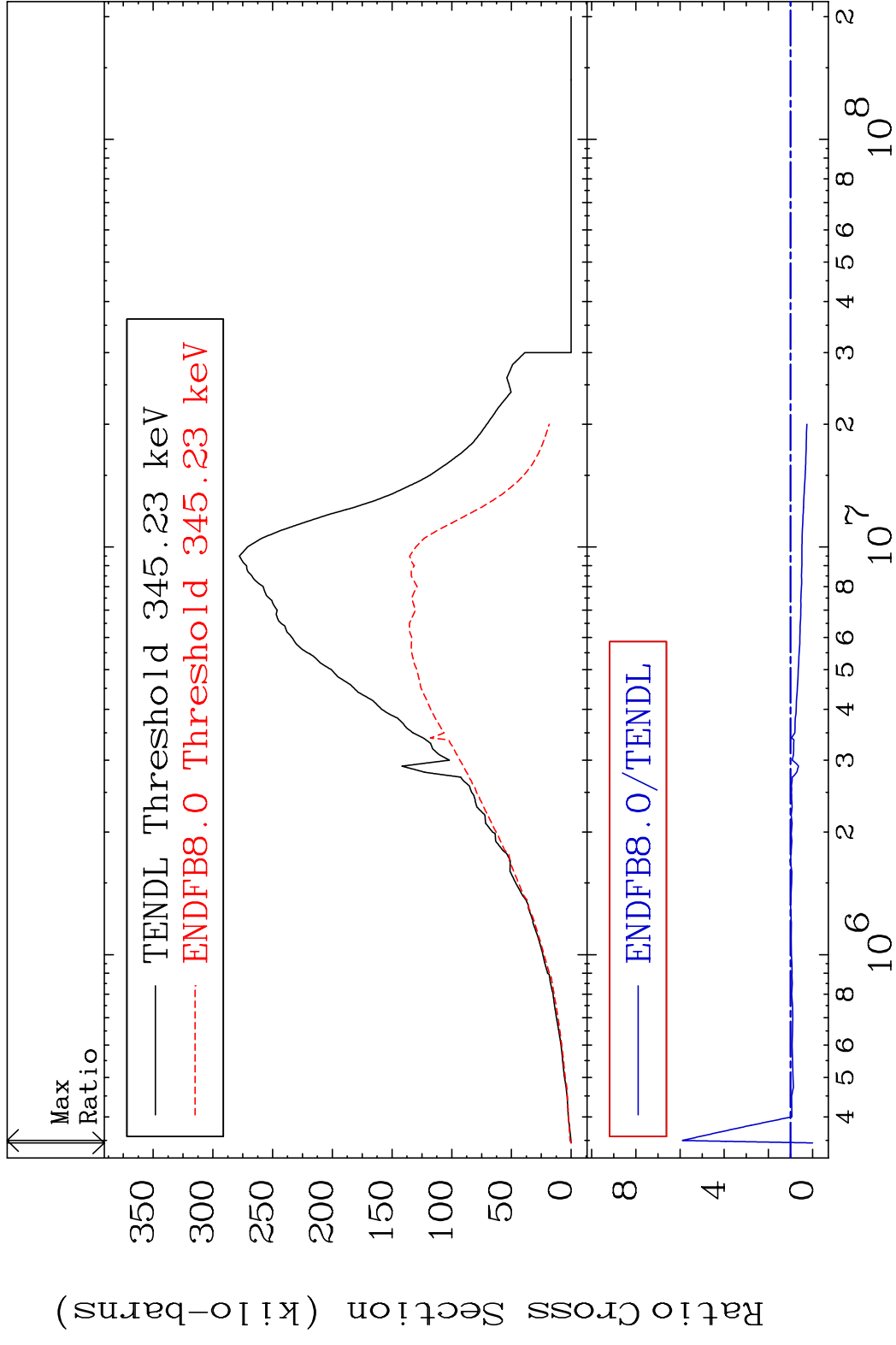
Incident Energy (eV)

28-Ni-59

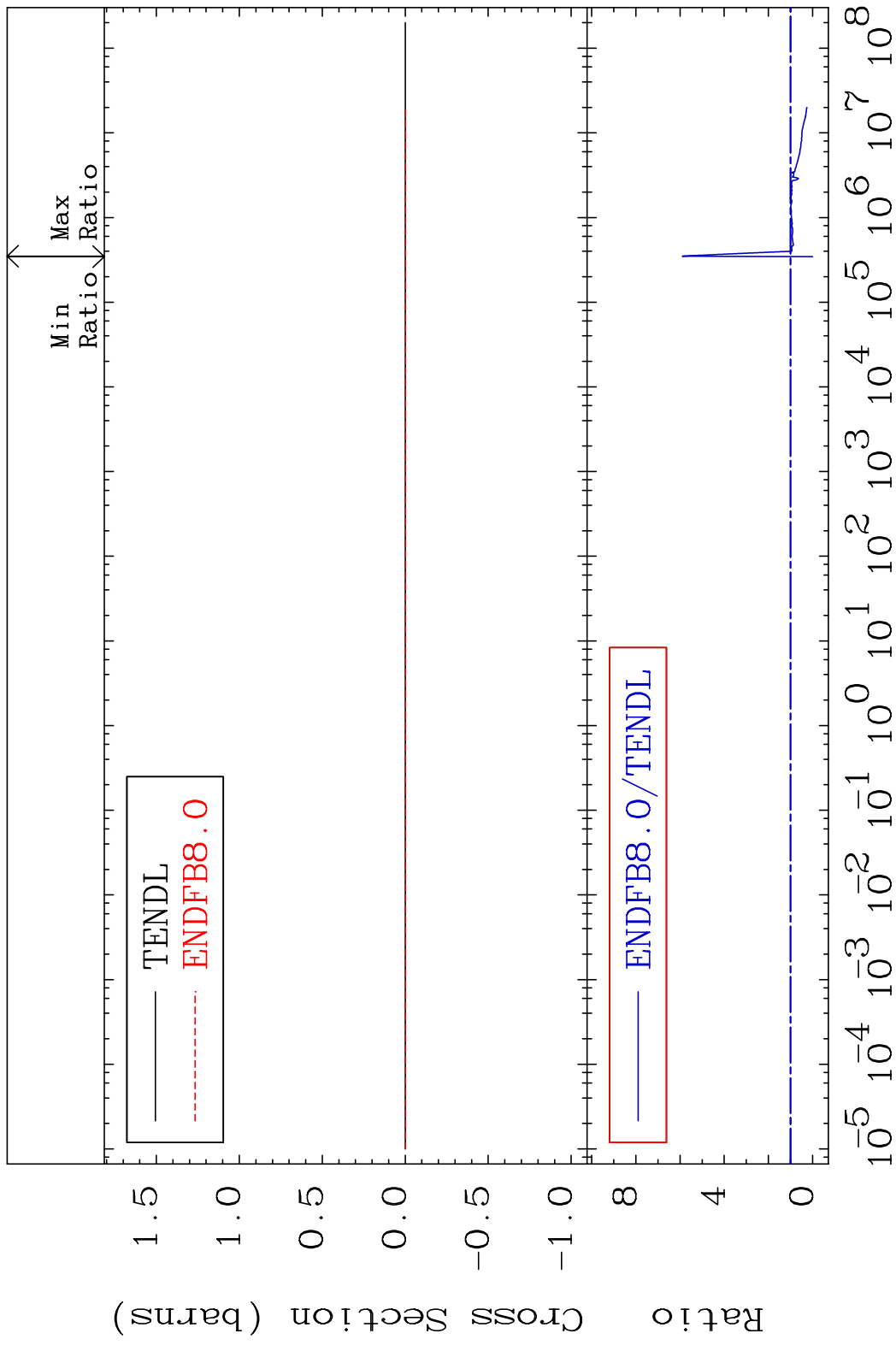
MAT 2828 Kerma non-elastic (all but mt2) 28-Ni-59
 Cross Section -98.72 To 9999. %



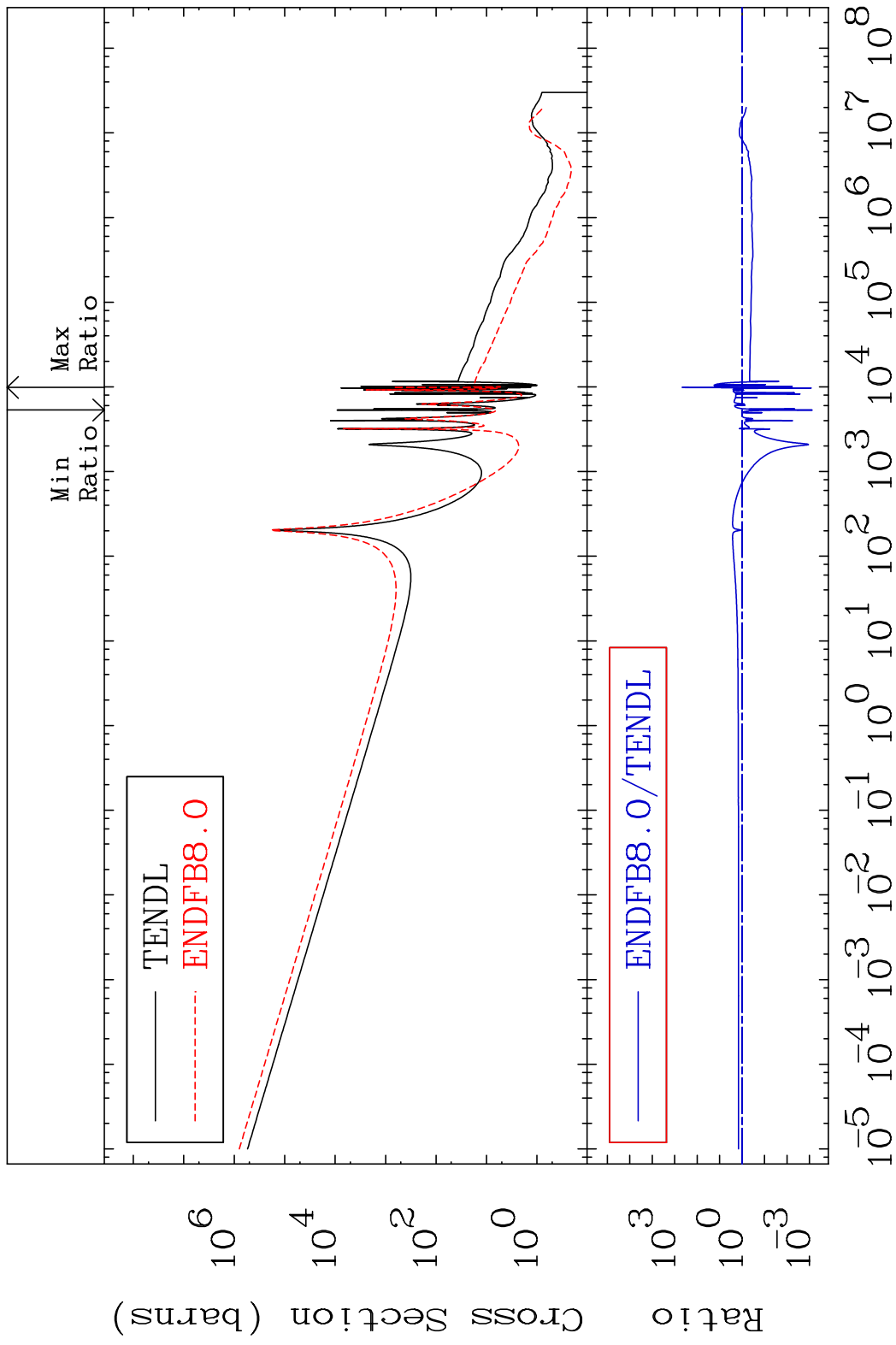
MAT 2828 Kerma inelastic (mt51-91) 28-Ni-59
 Cross Section -100.0 To 489.6 %



MAT 2828 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-59
 Cross Section -100.0 To 489.6 %



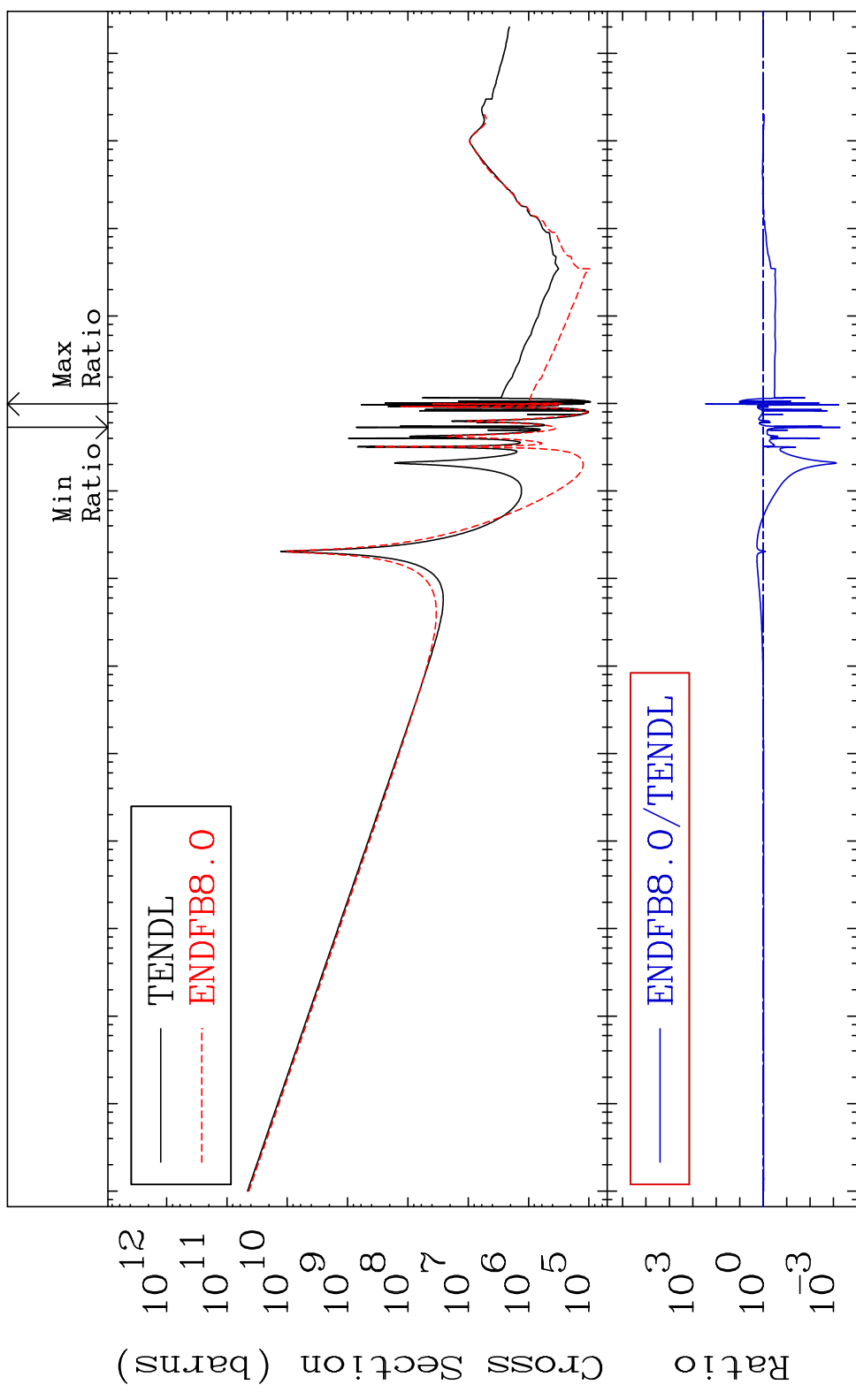
MAT 2828 Kerma capture (mt102) 28-Ni-59
 Cross Section -99.93 To 9999. %



51 Incident Energy (eV) 28-Ni-59

MAT 2828

Total photon (eV-barns) 28-Ni-59
Cross Section -99.95 To 9999. %

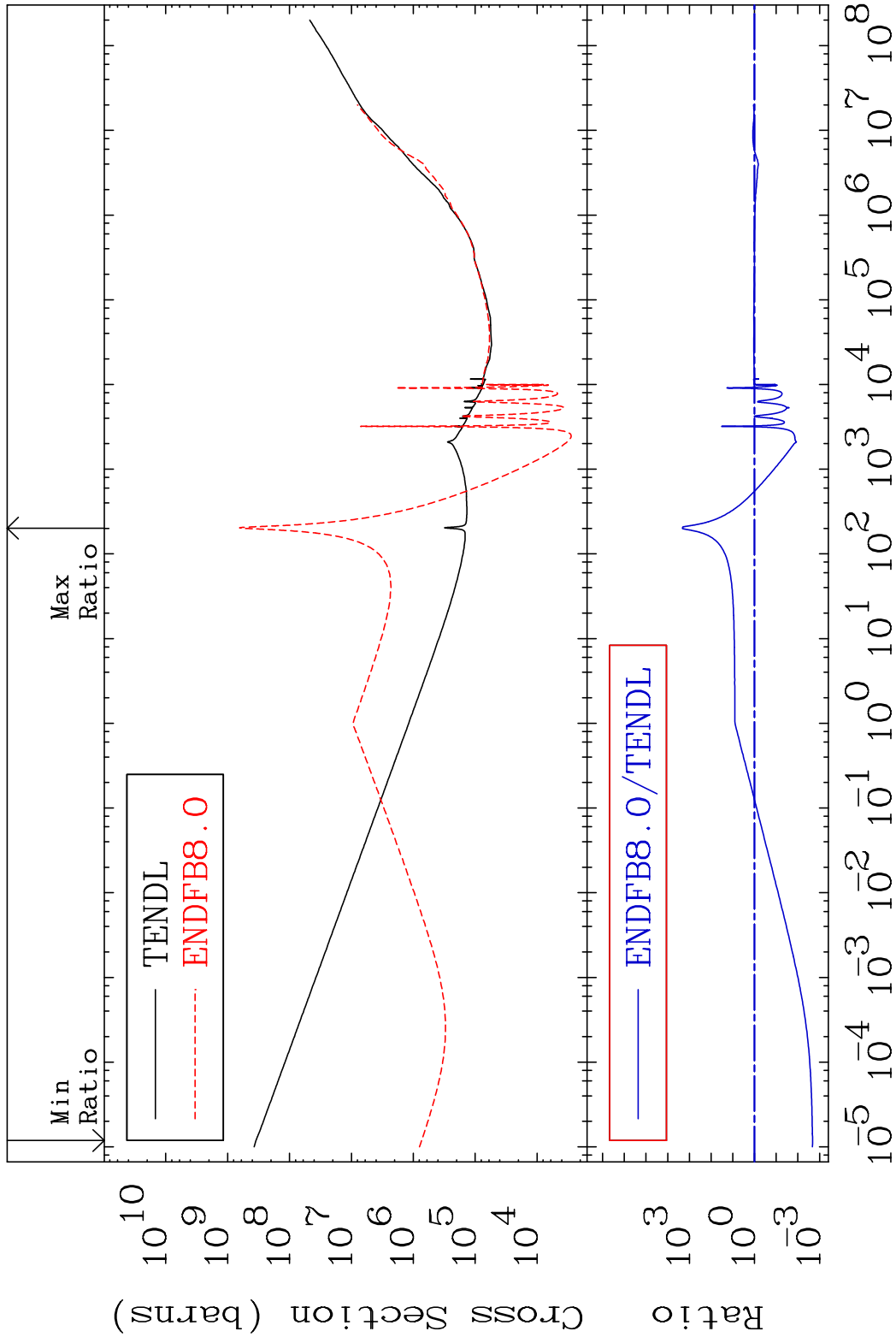


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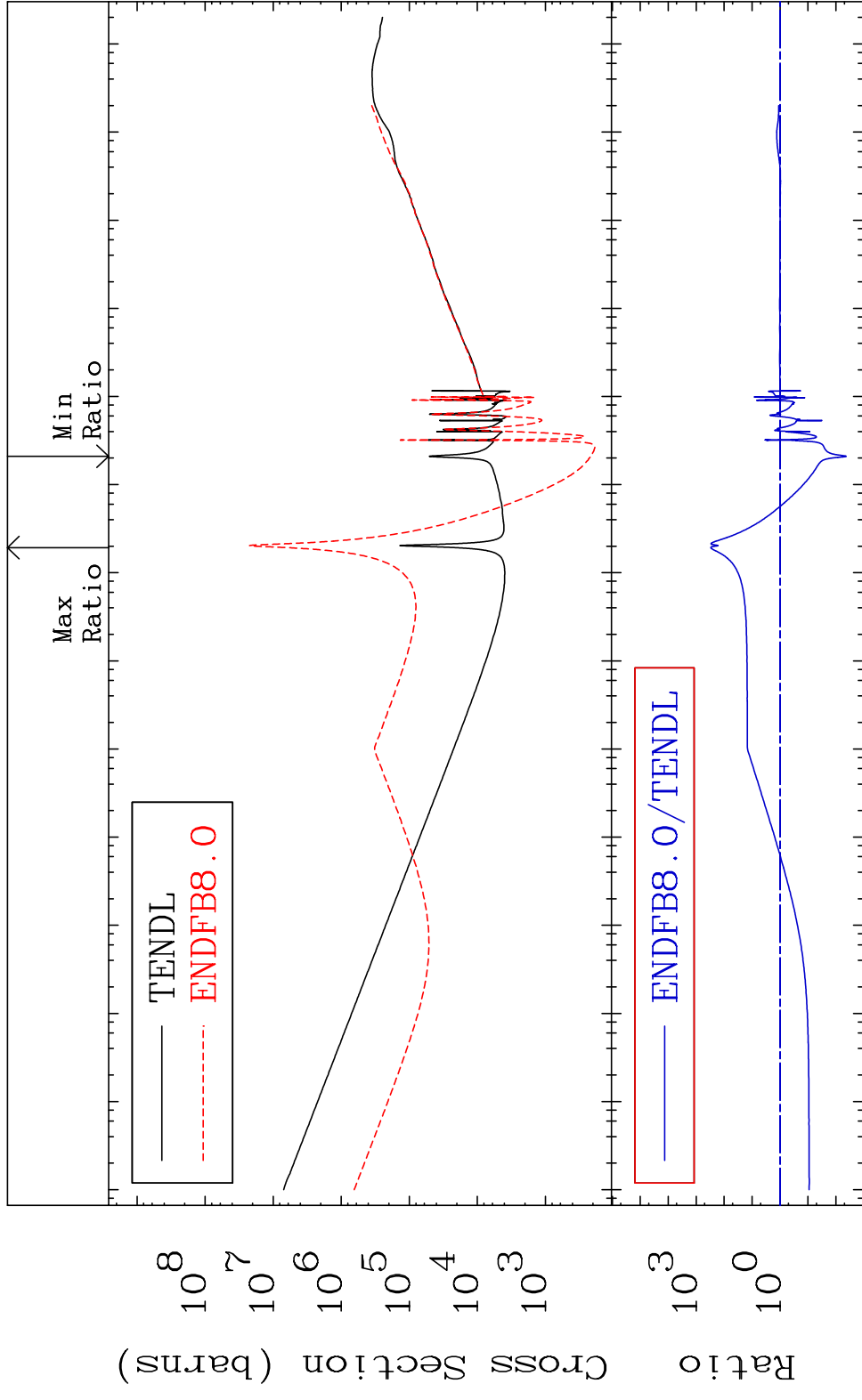
Incident Energy (eV)

28-Ni-59

MAT 2828 Total kinematic kerma (high limit) 28-Ni-59
 Cross Section -99.79 To 9999. %



MAT 2828 Dpa total (eV-barns) 28-Ni-59
 Cross Section -99.57 To 9999. %

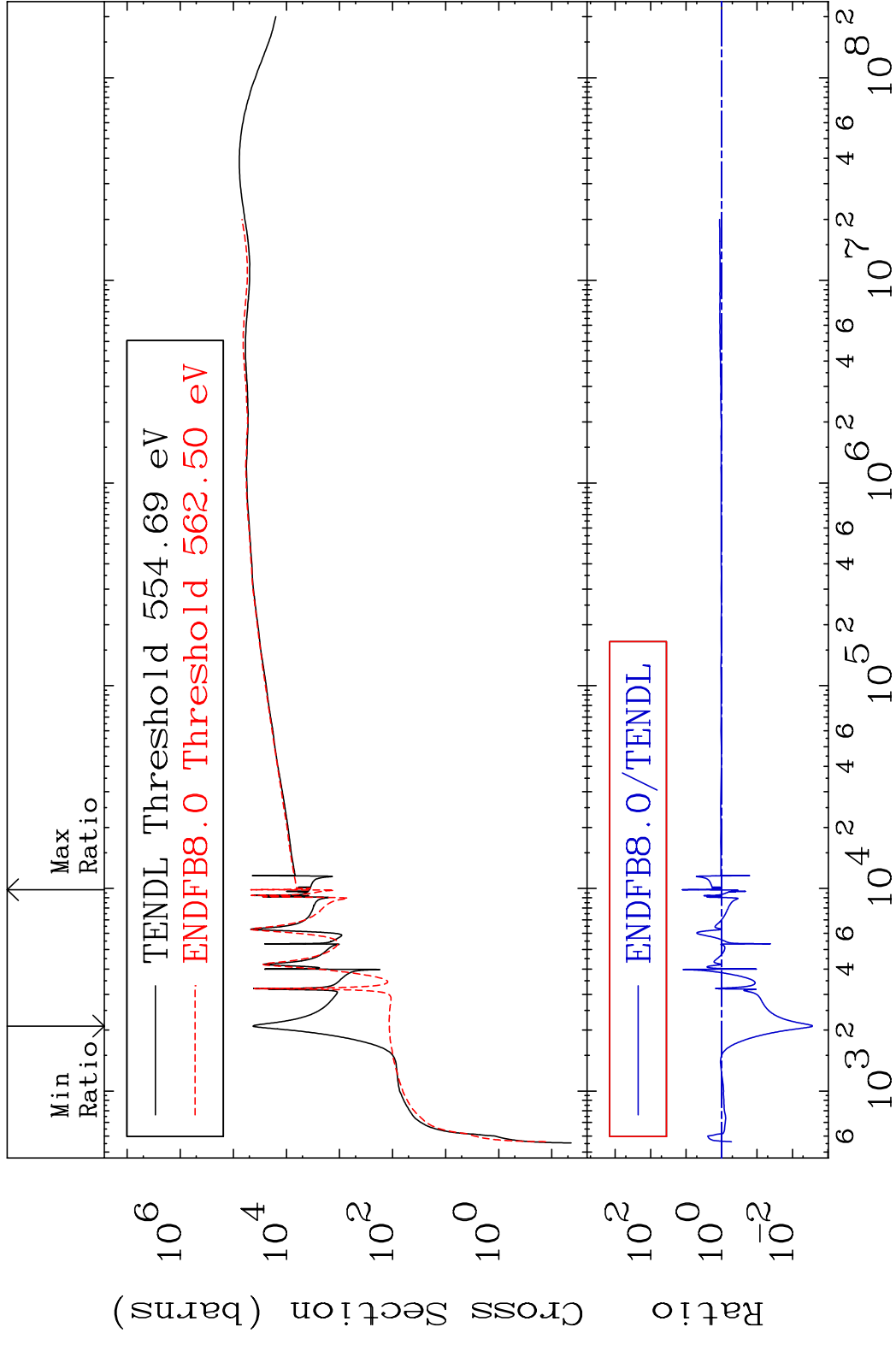


MAT 2828

Dpa elastic (mt2)

28-Ni-59

Cross Section -99.73 To 1176. %

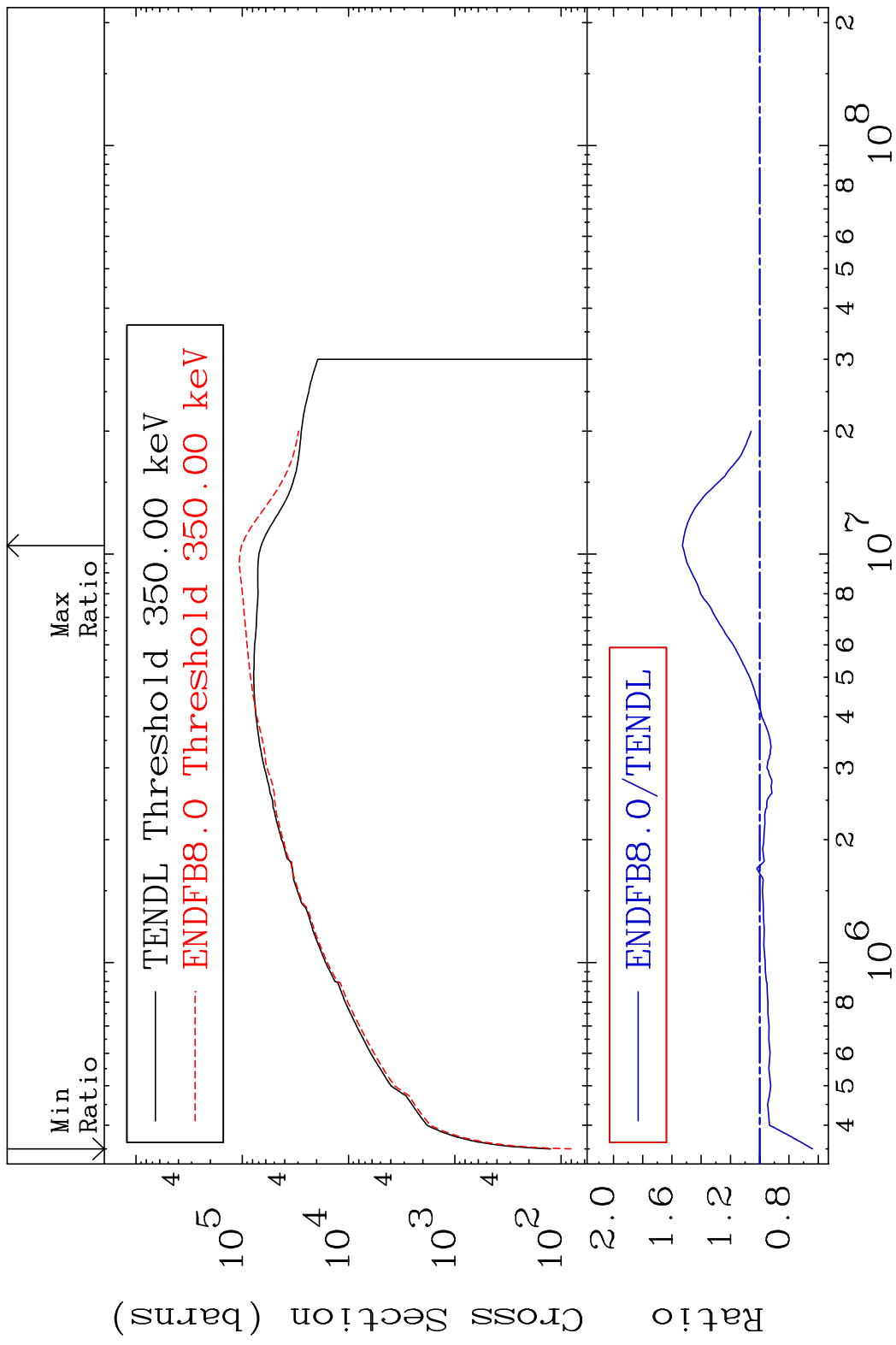


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Incident Energy (eV)

28-Ni-59

MAT 2828 Dpa inelastic (mt51-91) 28-Ni-59
 Cross Section -36.13 To 52.89 %



MAT 2828 Dpa disappearance (mt102 -120) 28-Ni-59
 Cross Section -99.44 To 9999. %

