

Program Complot
(Version 2021-1)

by

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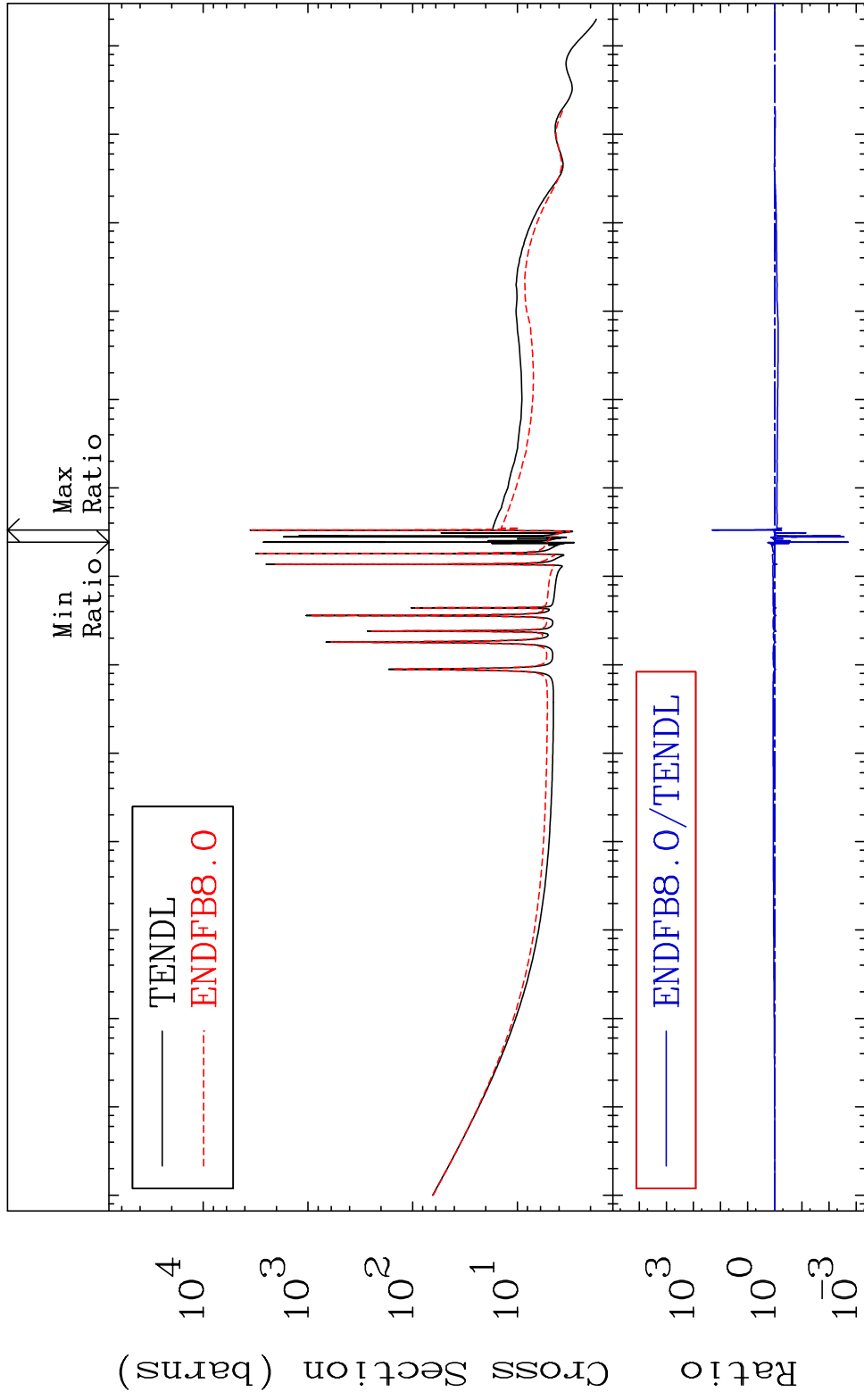
Press Mouse Button to Start

MAT 4446

Total

44-Ru-103

Cross Section -99.81 To 9999. %



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

1

Incident Energy (eV)

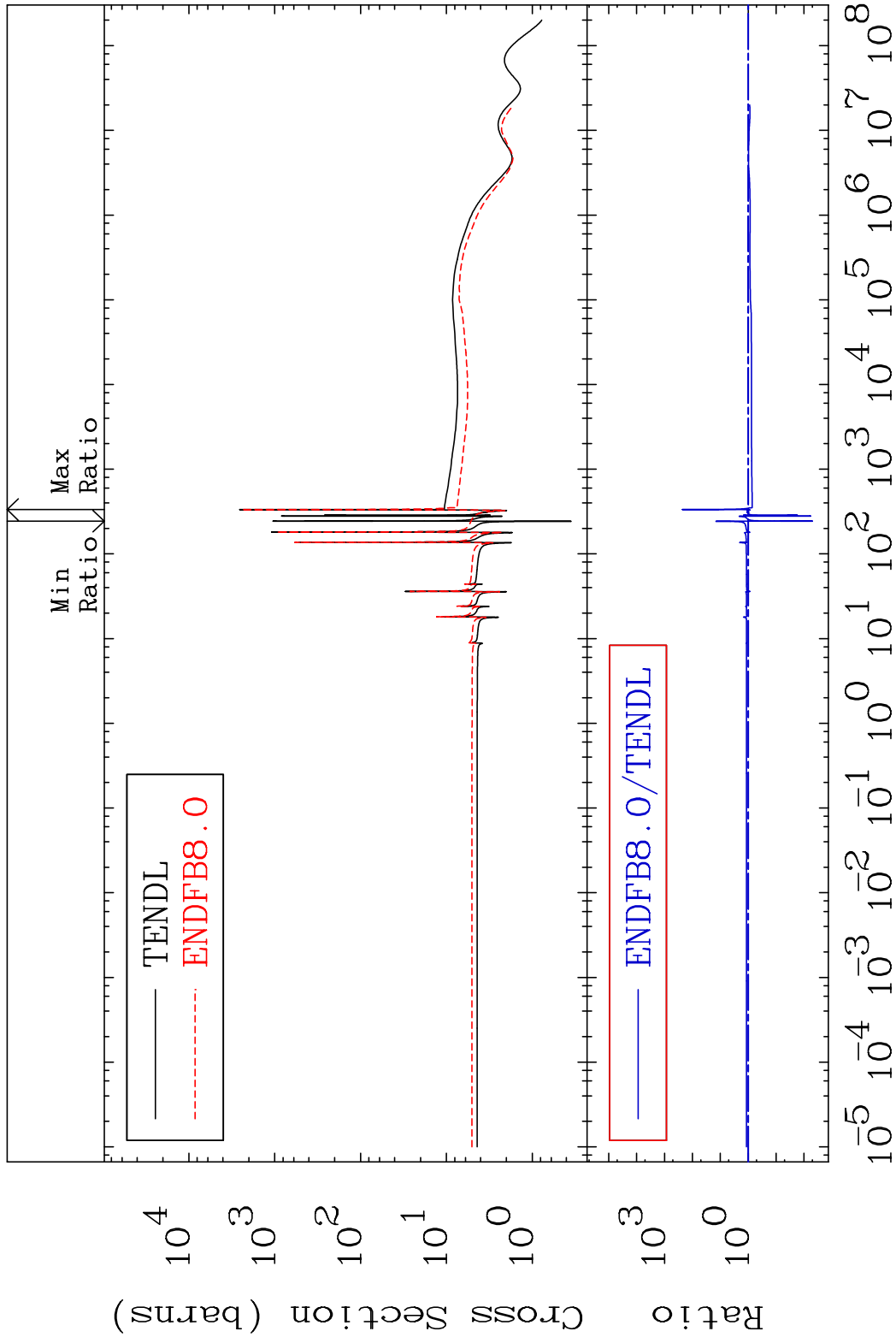
44-Ru-103

MAT 4446

Elastic

44-Ru-103

Cross Section -99.51 To 9999. %

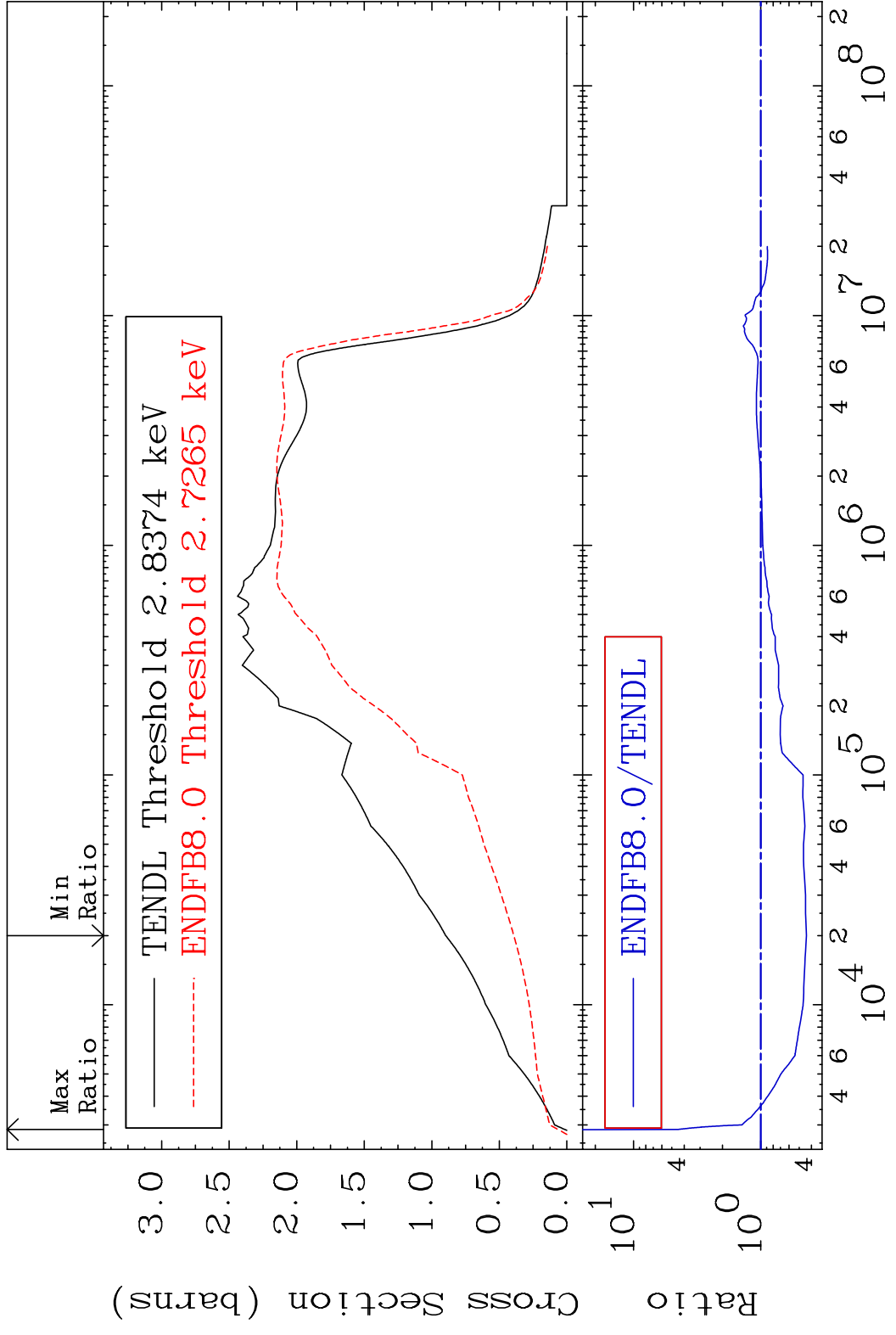


2

Incident Energy (eV)

44-Ru-103

MAT 4446 Inelastic 44-Ru-103
 Cross Section -56.18 To 354.0 %

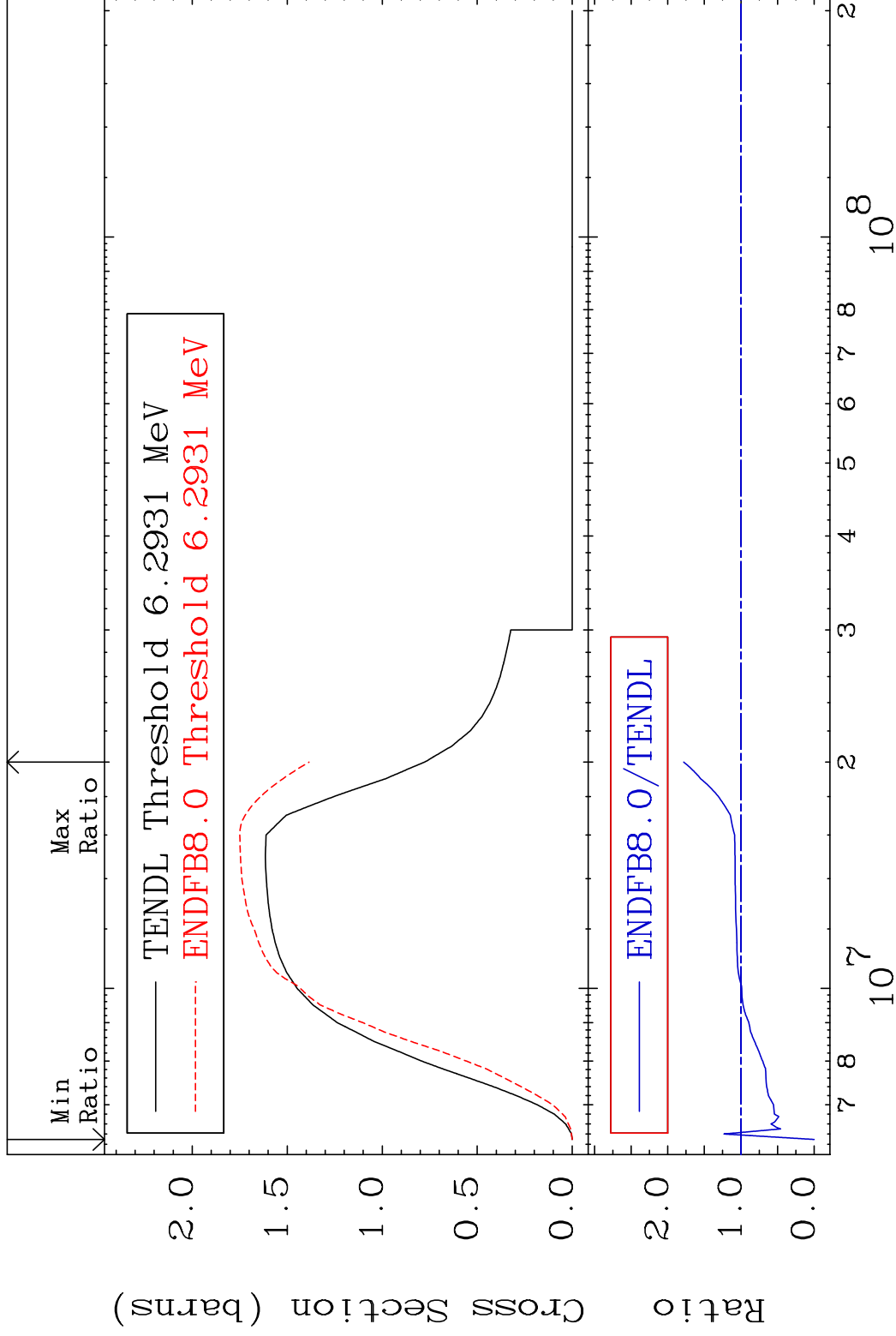


MAT 4446

(n,2n)

44-Ru-103

Cross Section -100.0 To 78.27 %



4

Incident Energy (eV)

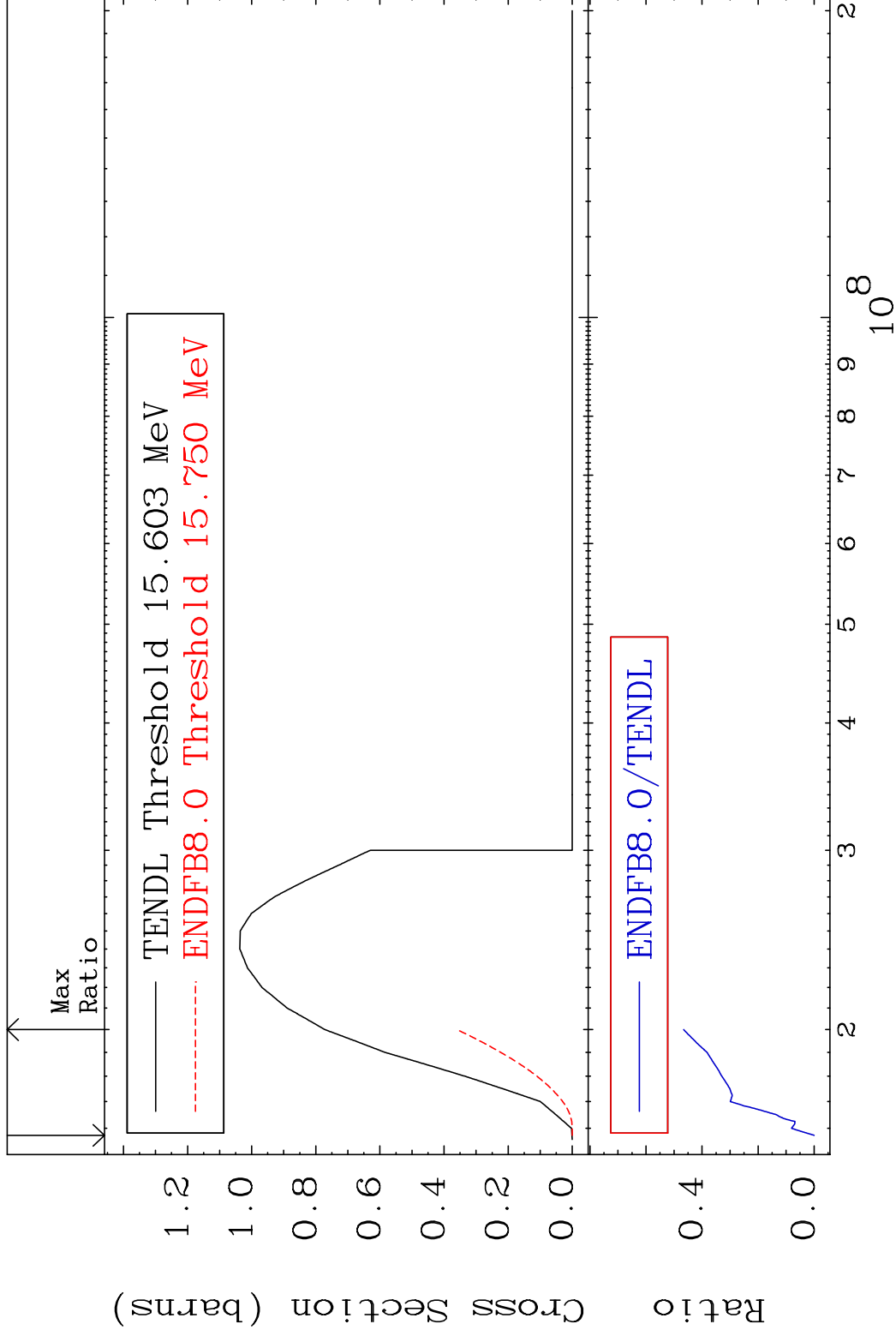
44-Ru-103

MAT 4446

(n,3n)

44-Ru-103

Cross Section -100.0 To -53.44%



5

Incident Energy (eV)

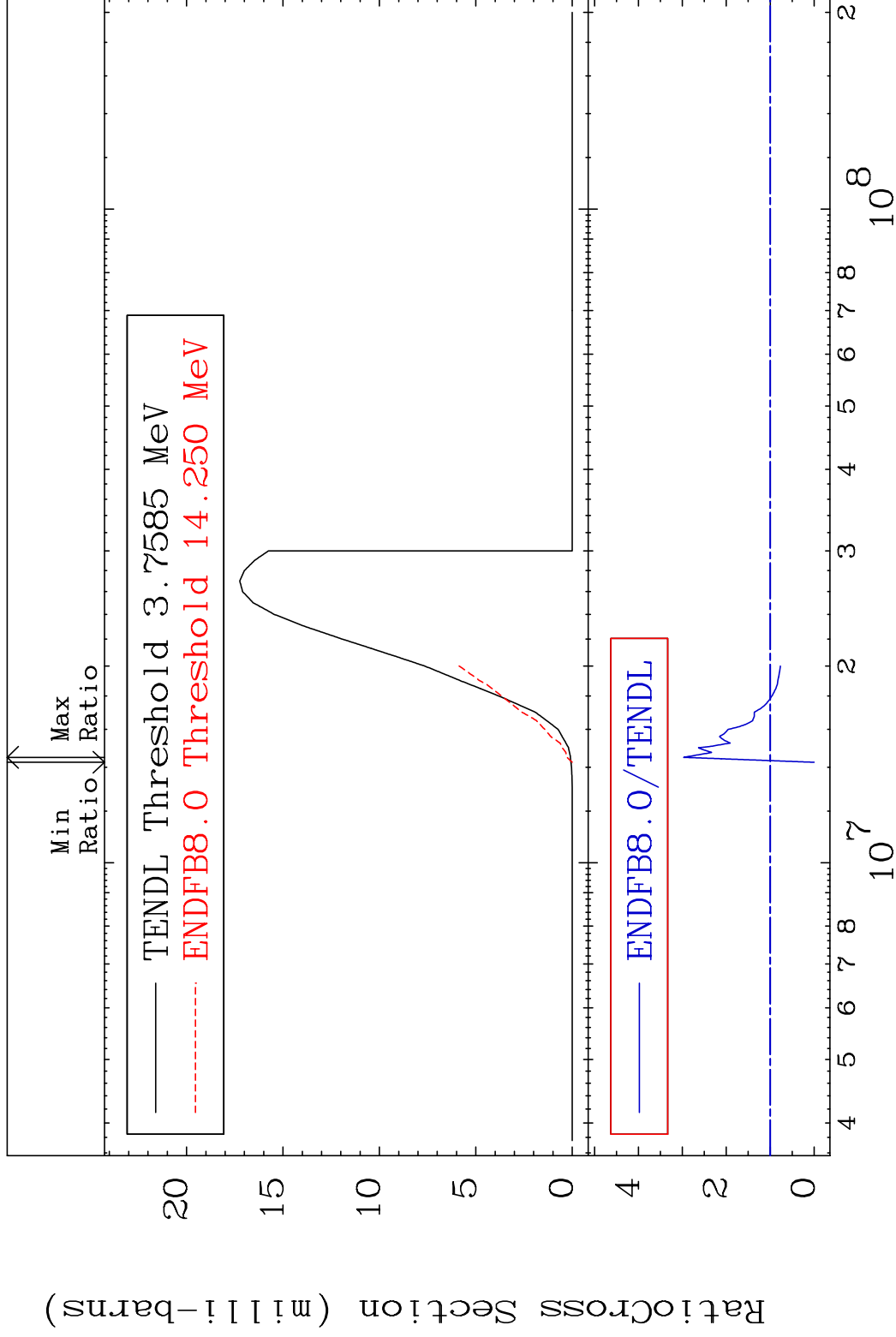
44-Ru-103

MAT 4446

(n, n') α

44-Ru-103

Cross Section -100.0 To 197.0 %



6

Incident Energy (eV)

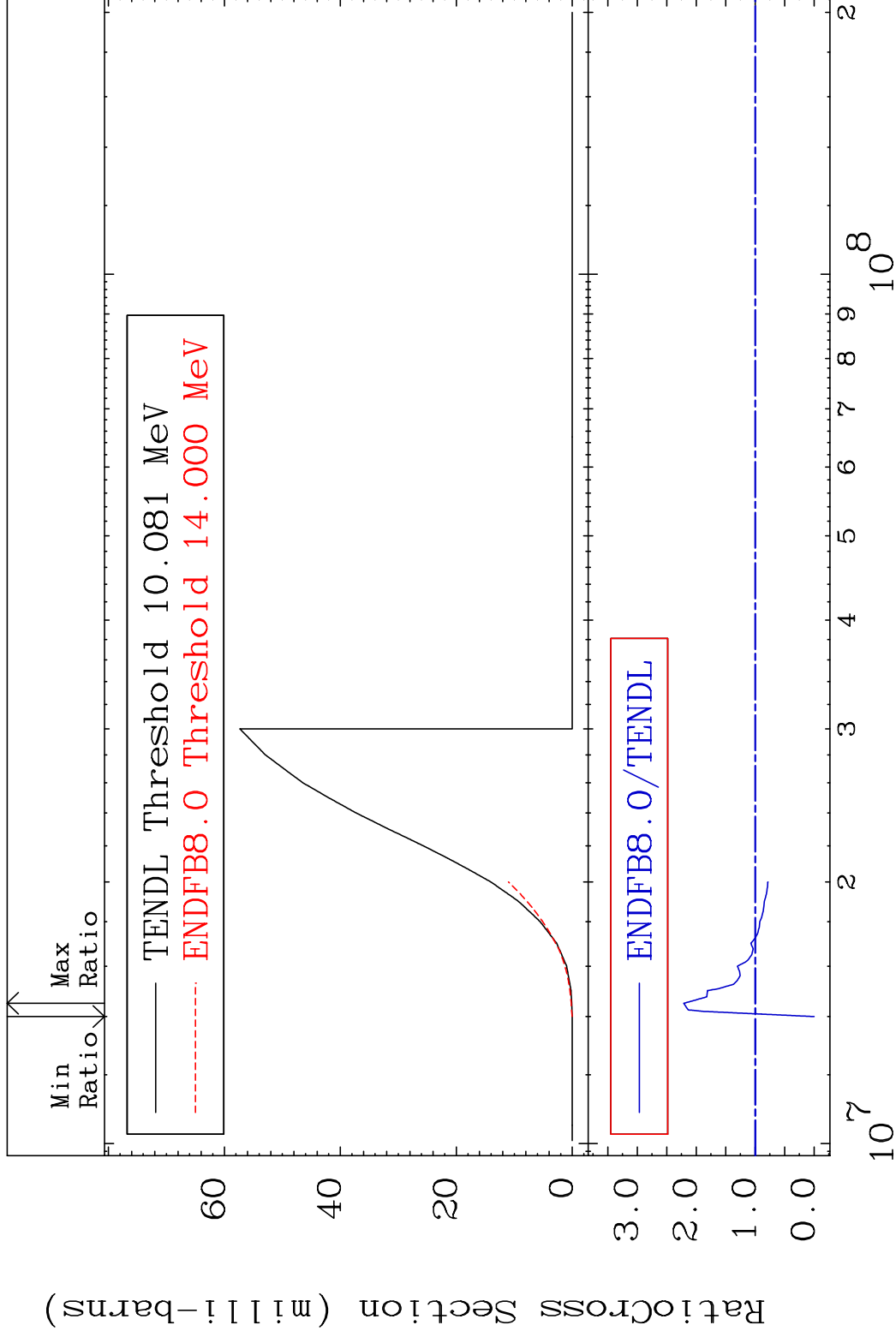
44-Ru-103

MAT 4446

(n, n') p

44-Ru-103

Cross Section -100.0 To 121.2 %



7

Incident Energy (eV)

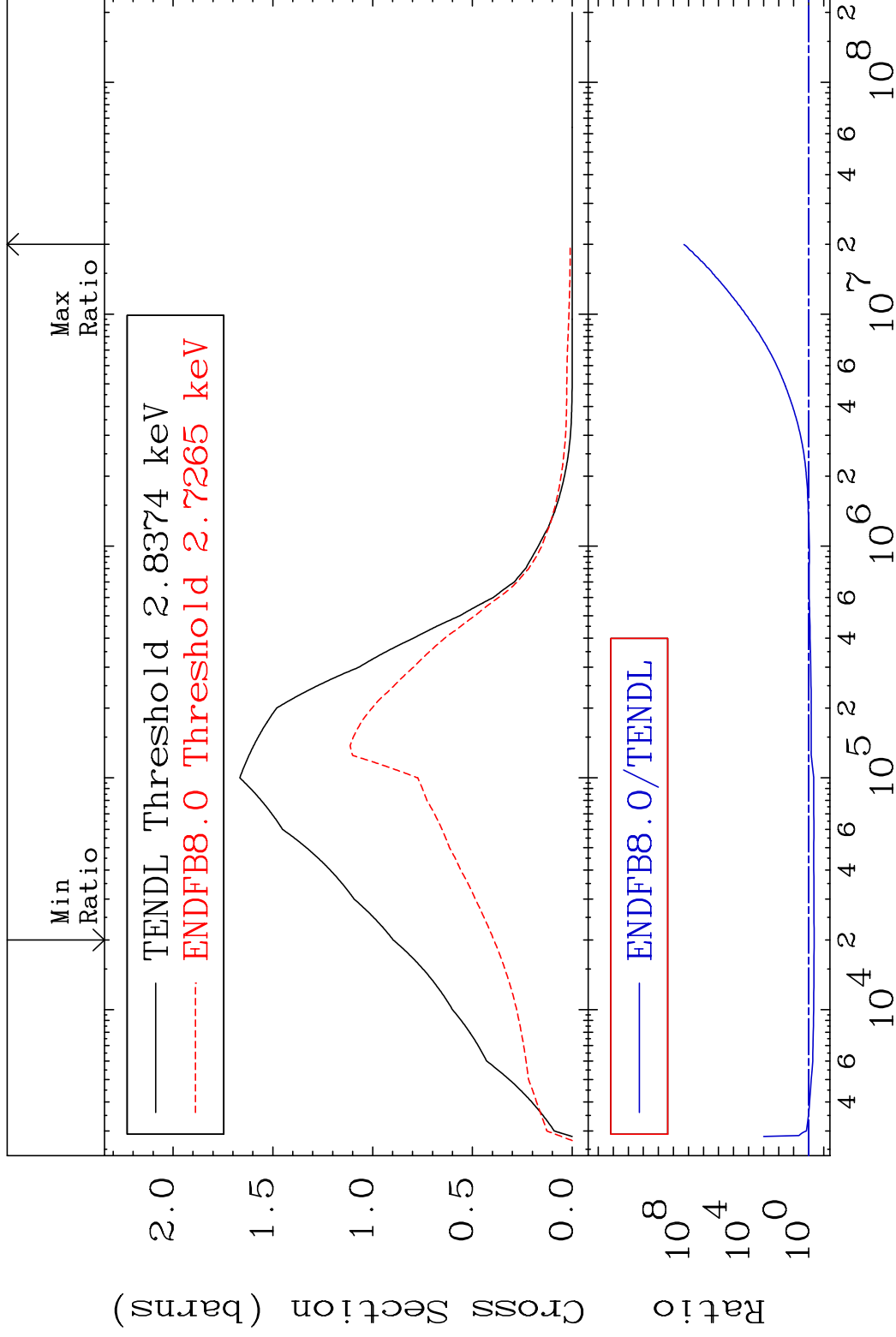
44-Ru-103

MAT 4446

MT= 51 (n, n') Level

44-Ru-103

Cross Section -56.18 To 9999. %

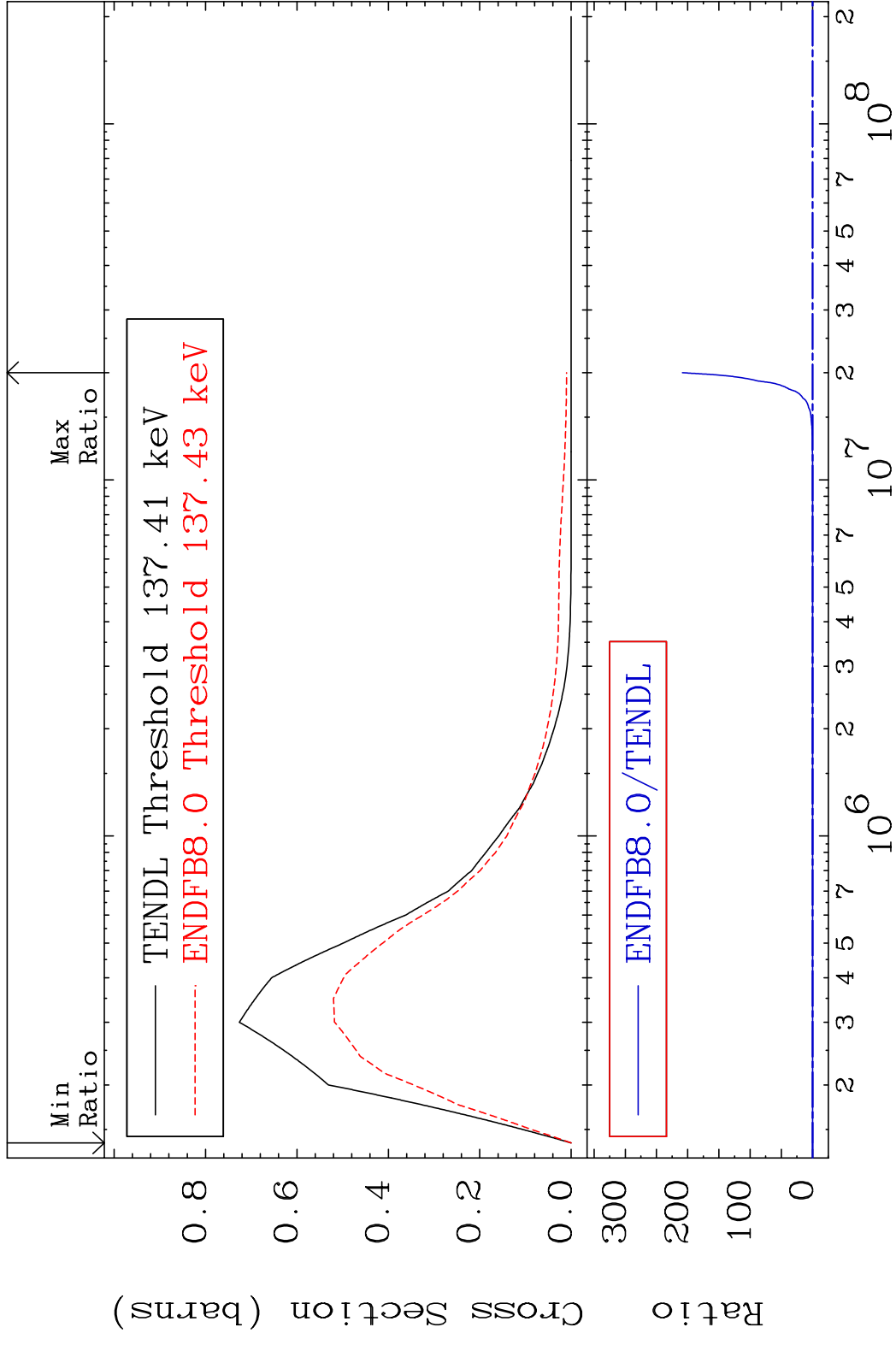


8

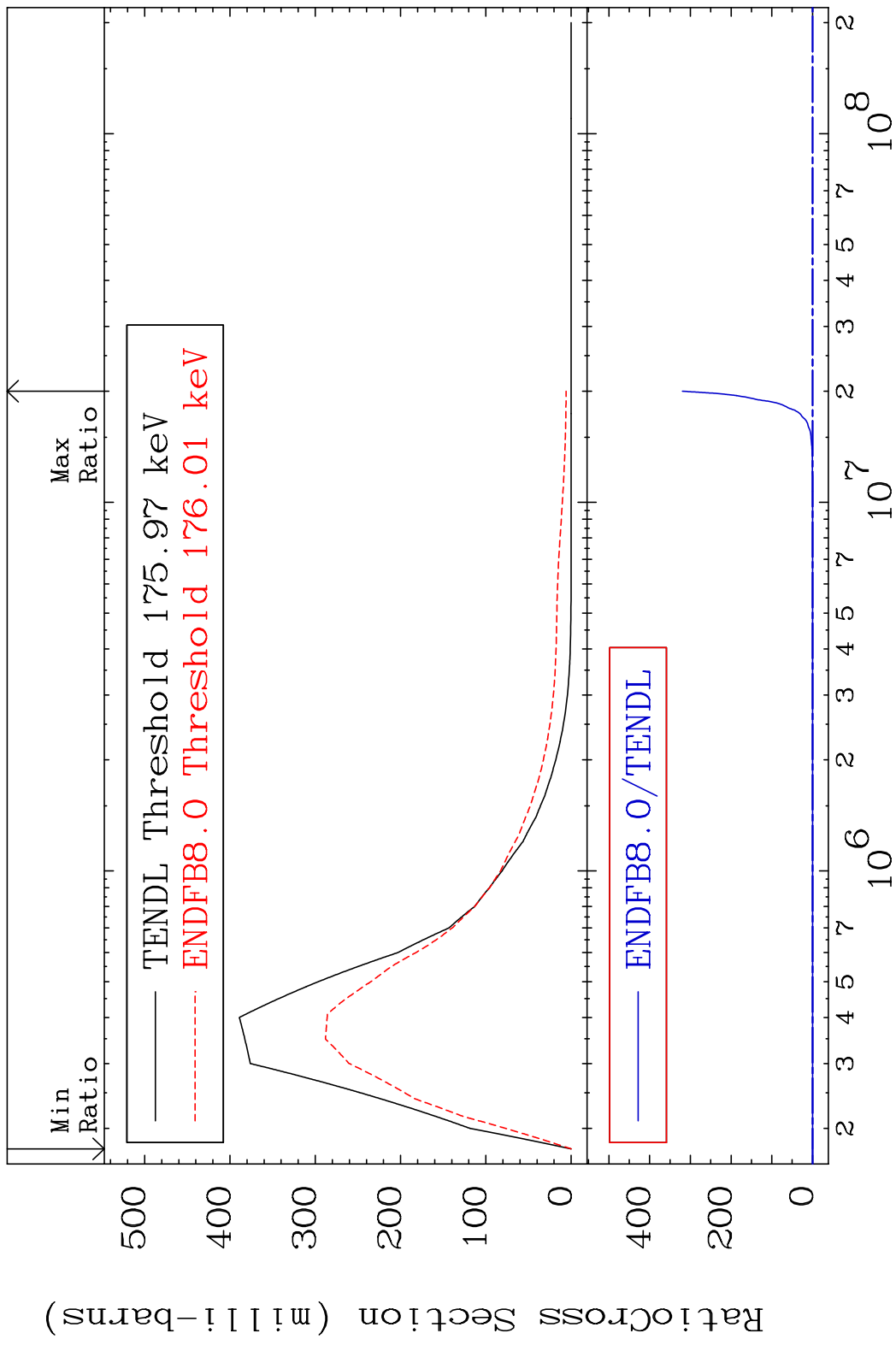
Incident Energy (eV)

44-Ru-103

MAT 4446 MT= 52 (n,n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %

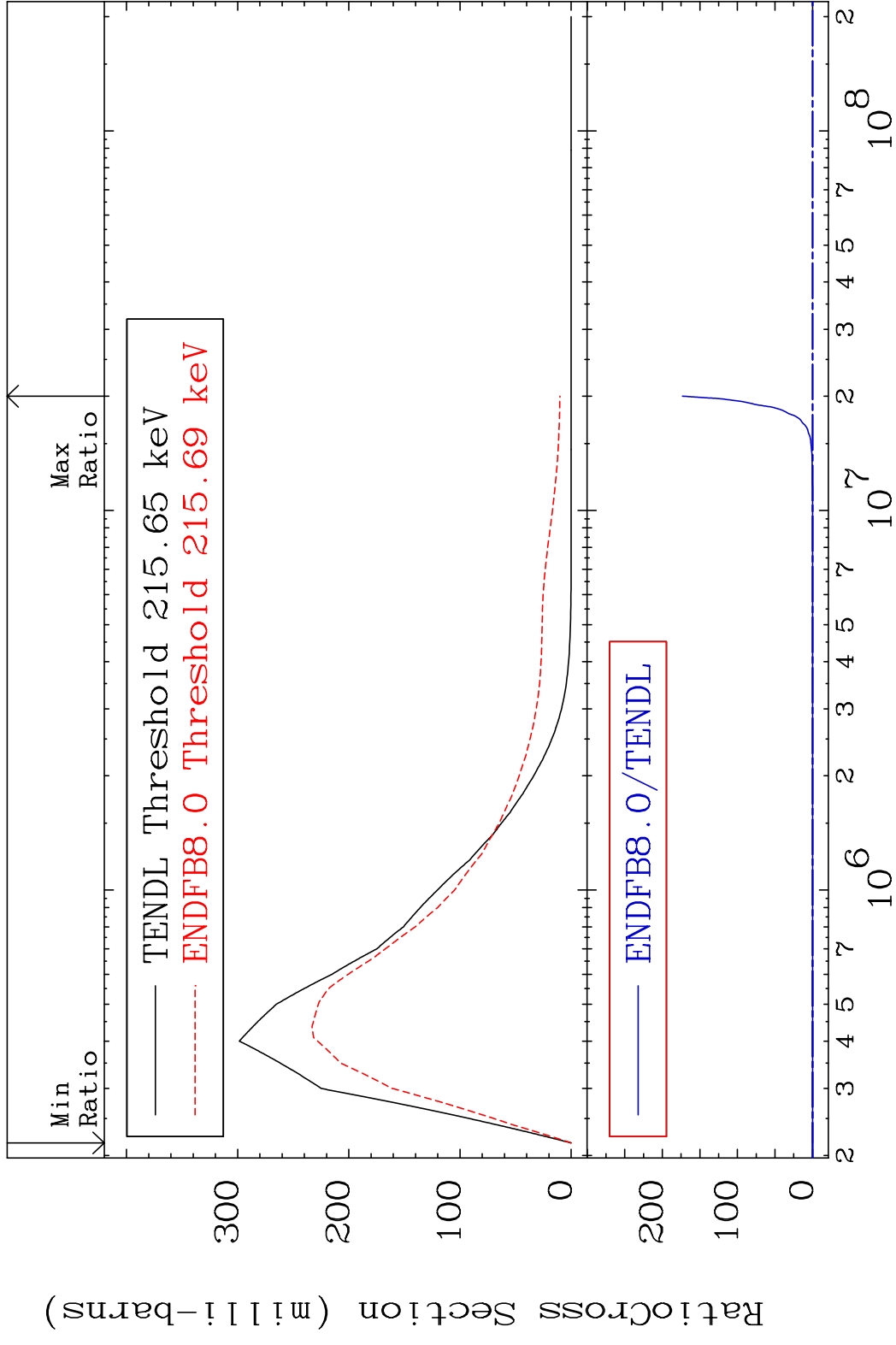


MAT 4446 MT= 53 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %

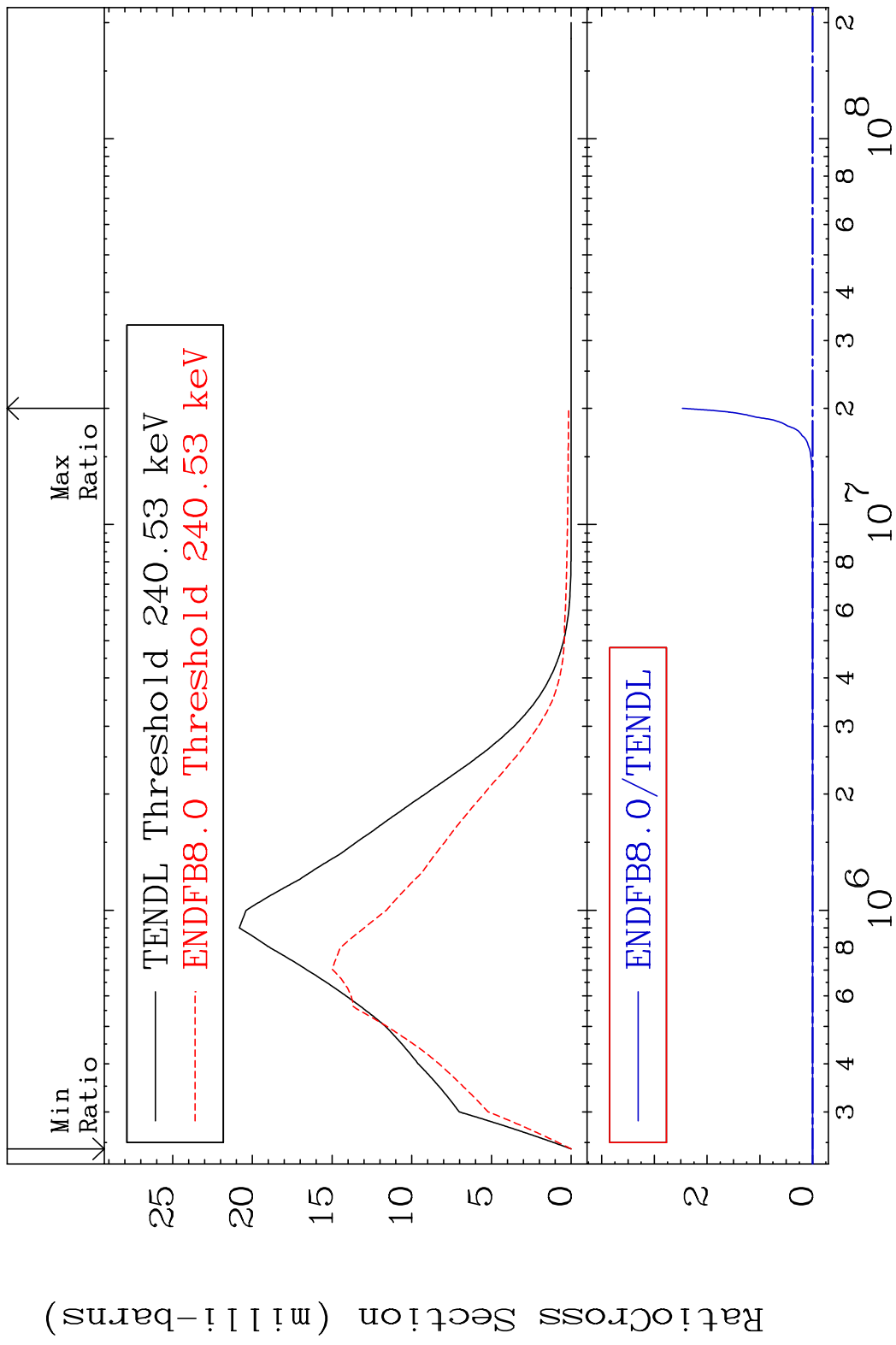


10 Incident Energy (eV) 44-Ru-103

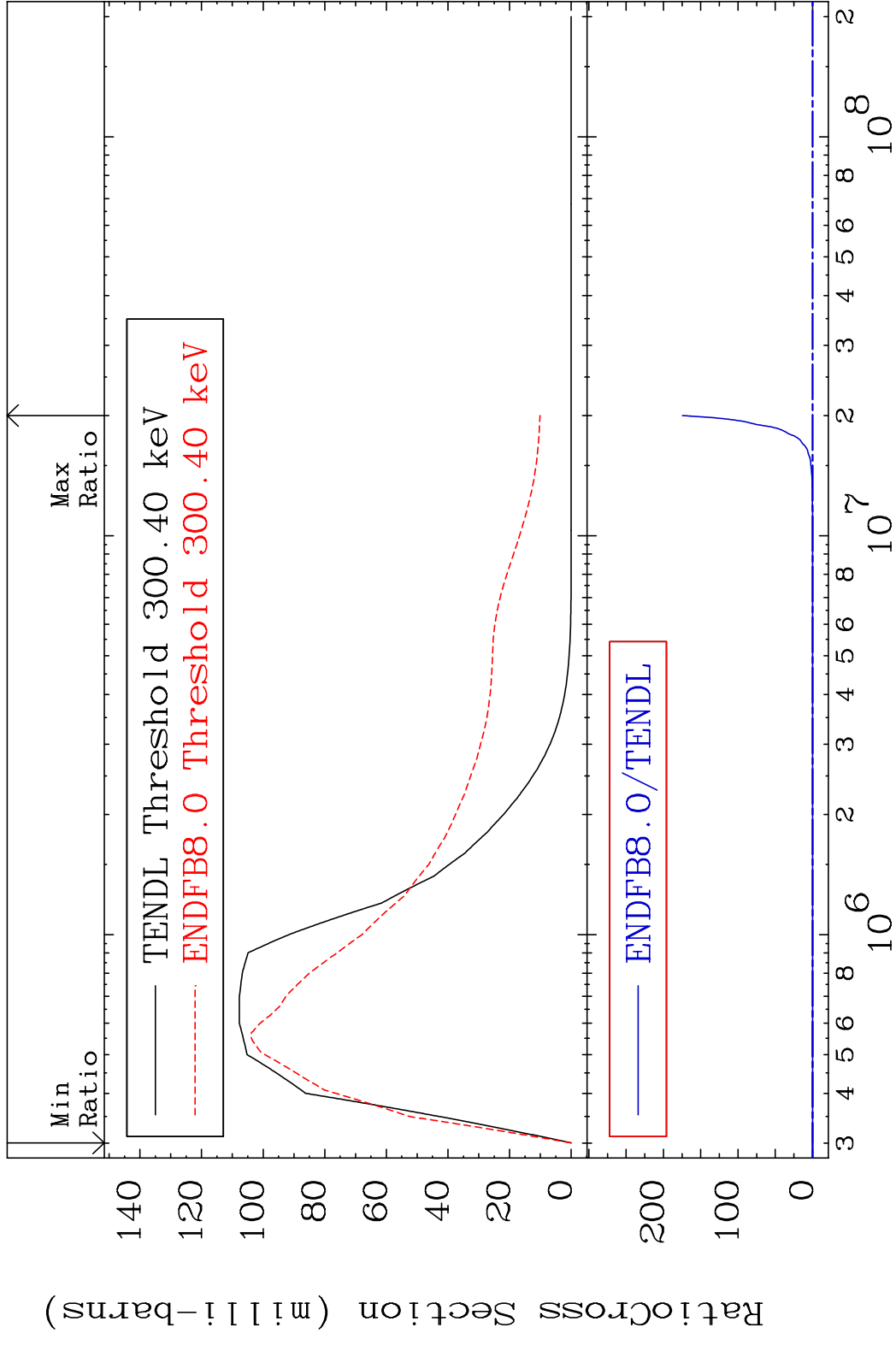
MAT 4446 MT= 54 (n,n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



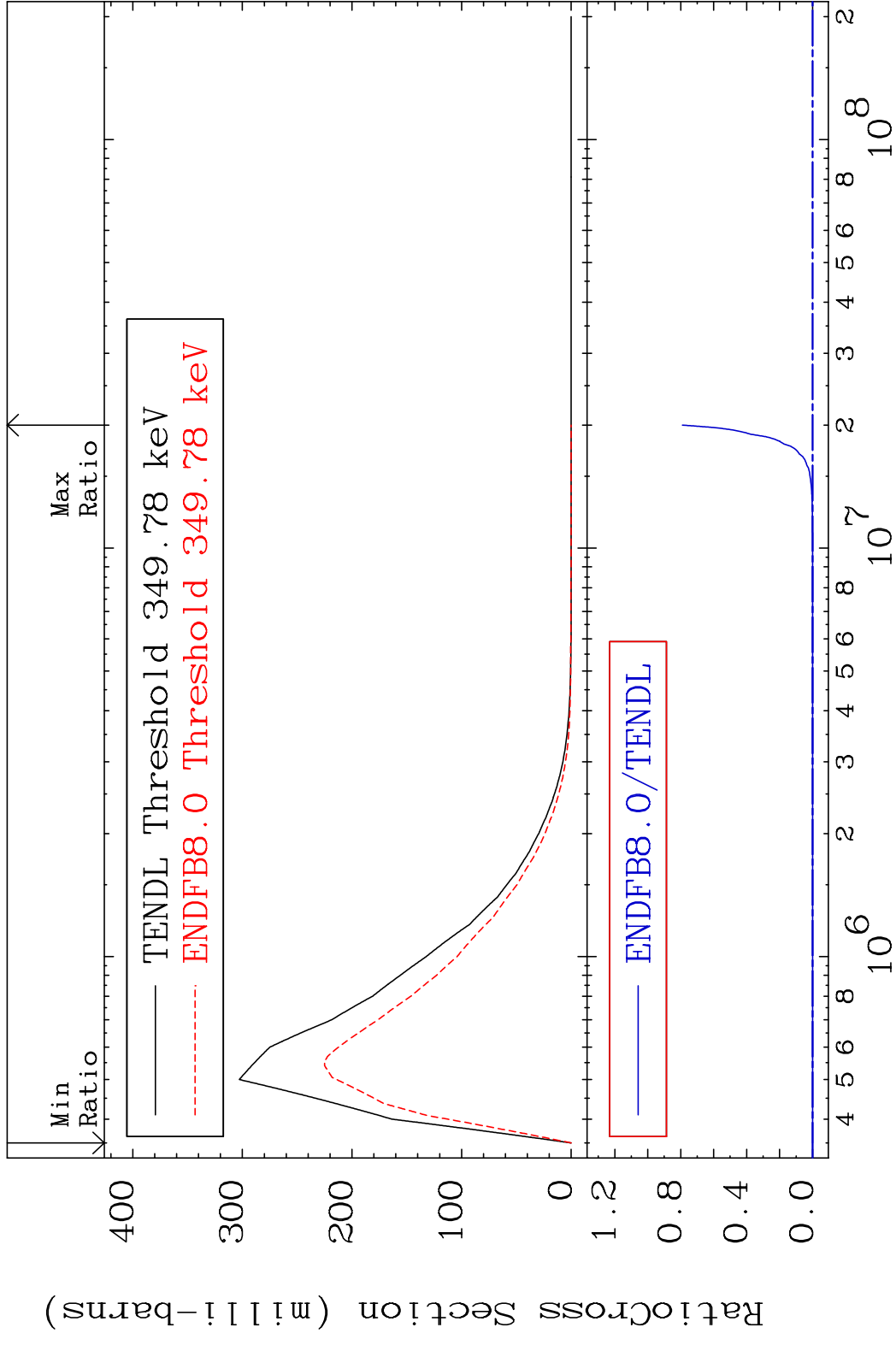
MAT 4446 MT= 55 (n,n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



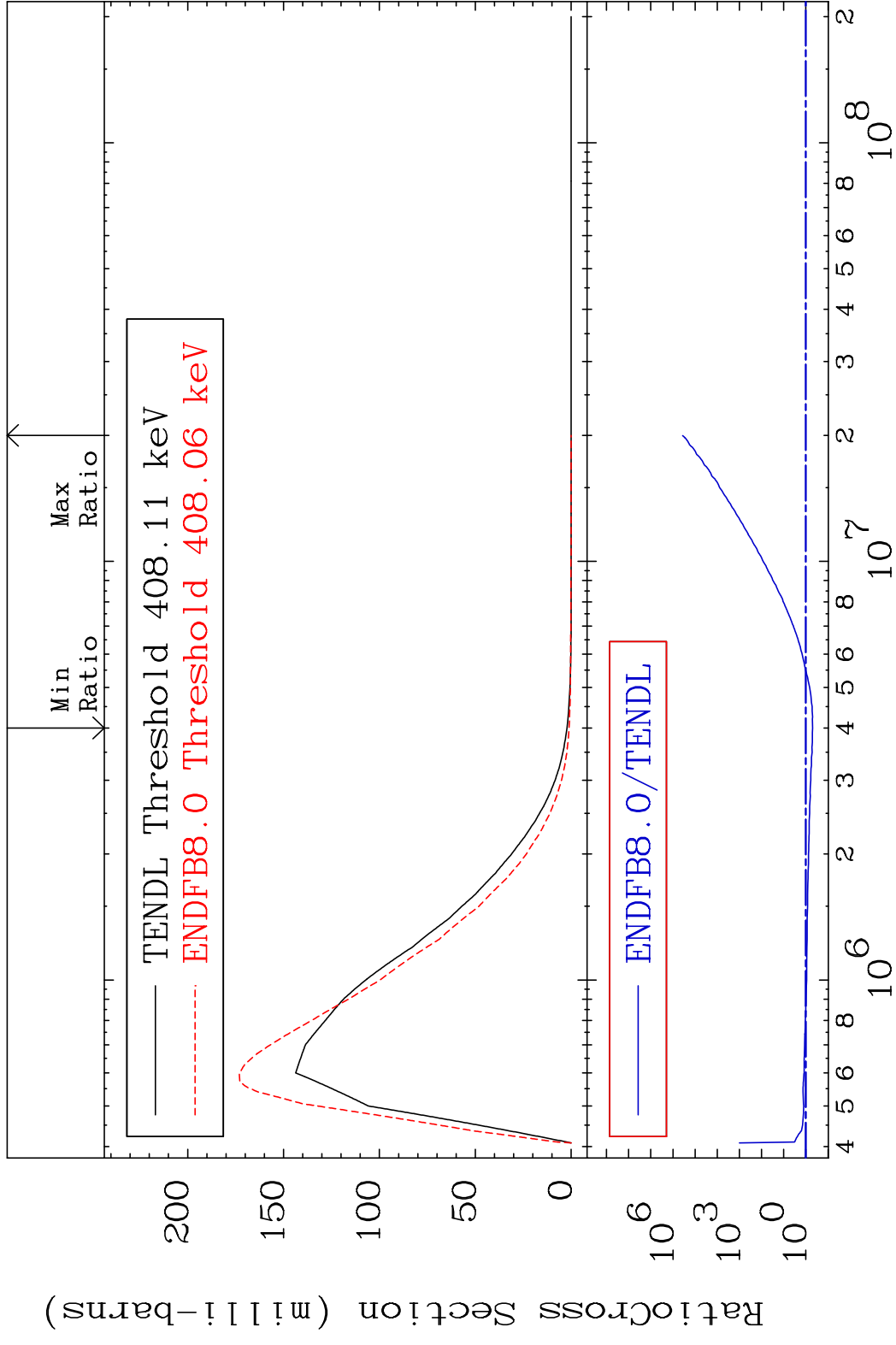
MAT 4446 MT= 56 (n,n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



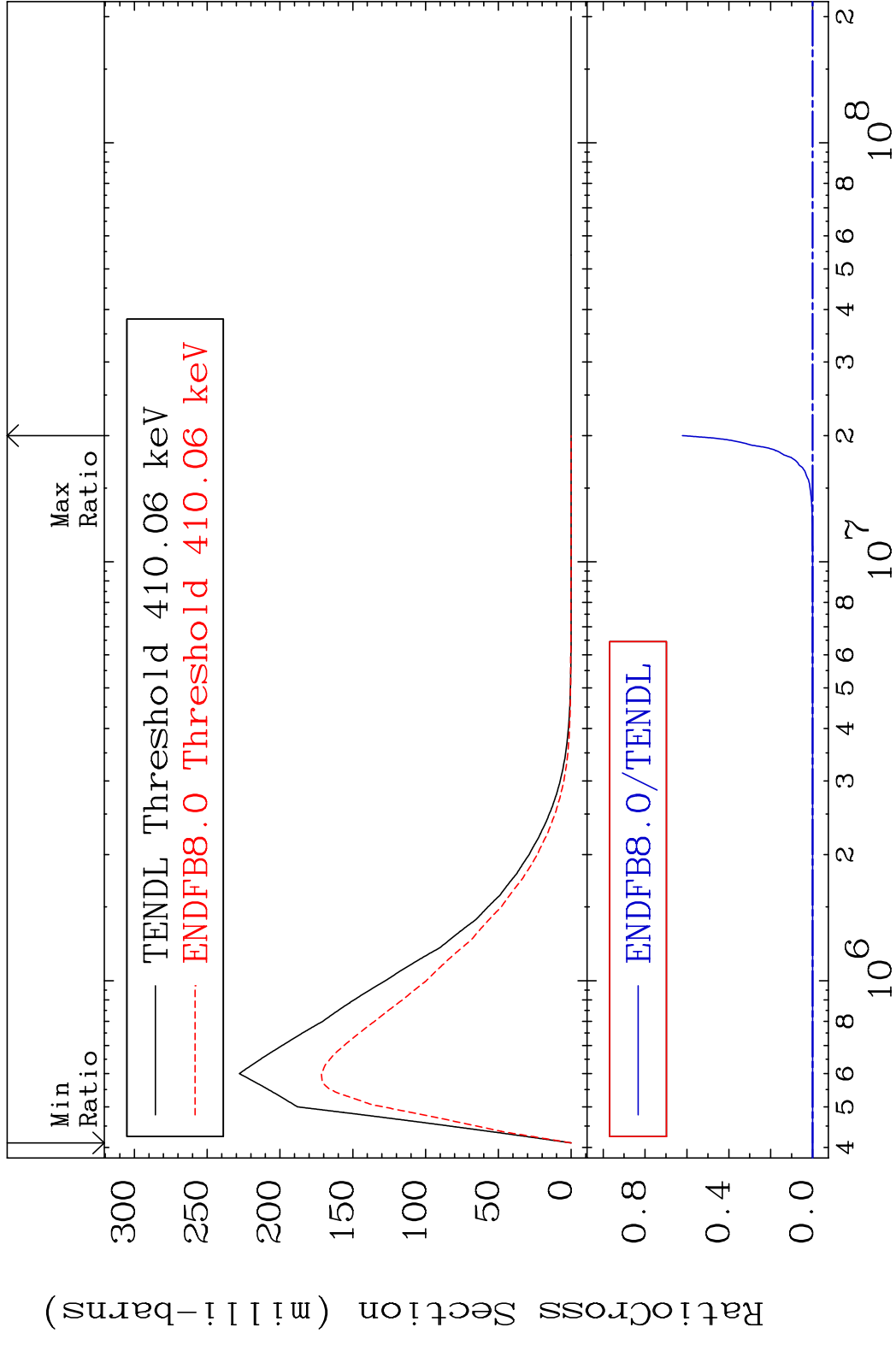
MAT 4446 MT= 57 (n,n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



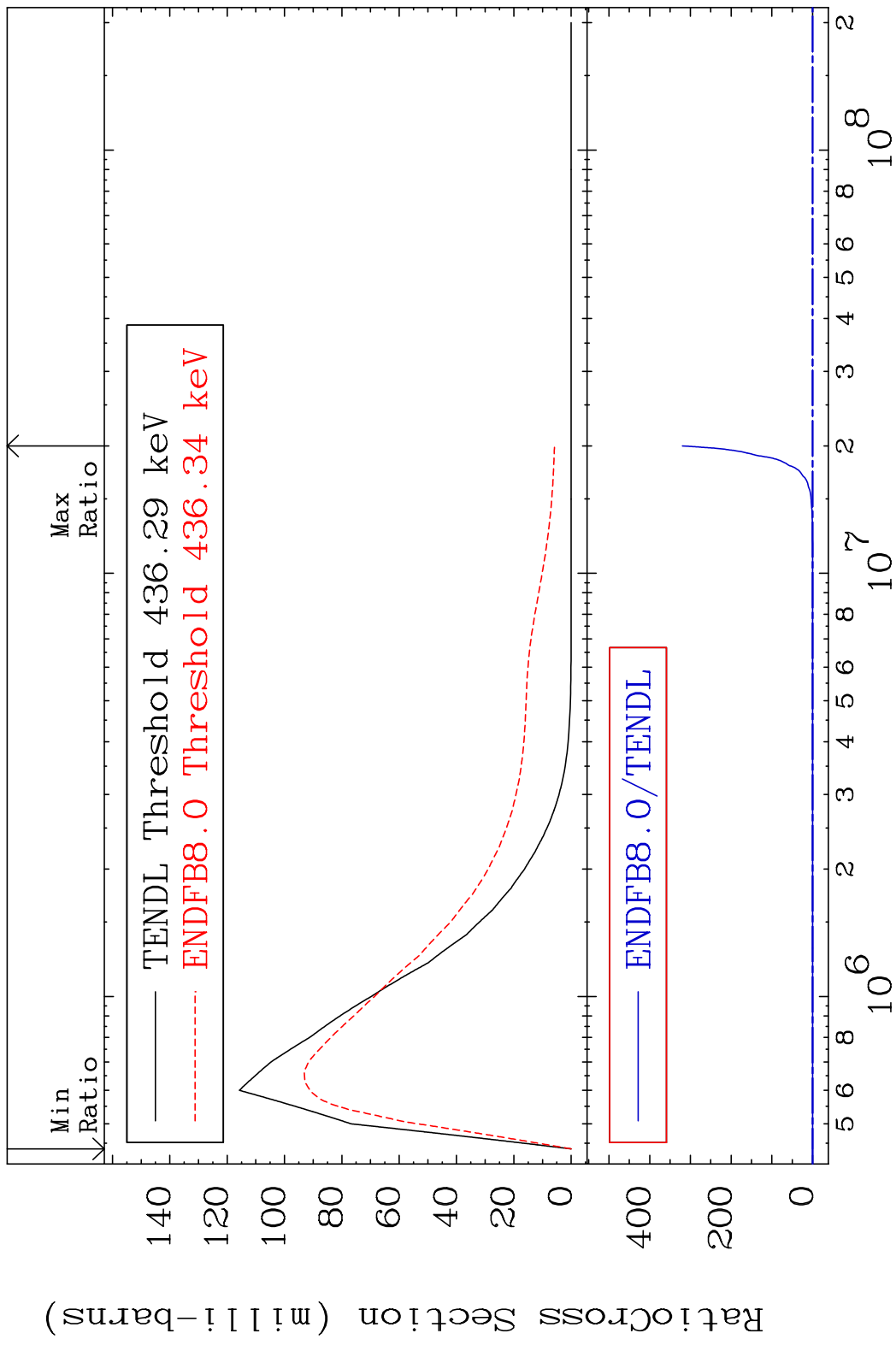
MAT 4446 MT= 58 (n, n') Level 44-Ru-103
 Cross Section -50.08 To 9999. %



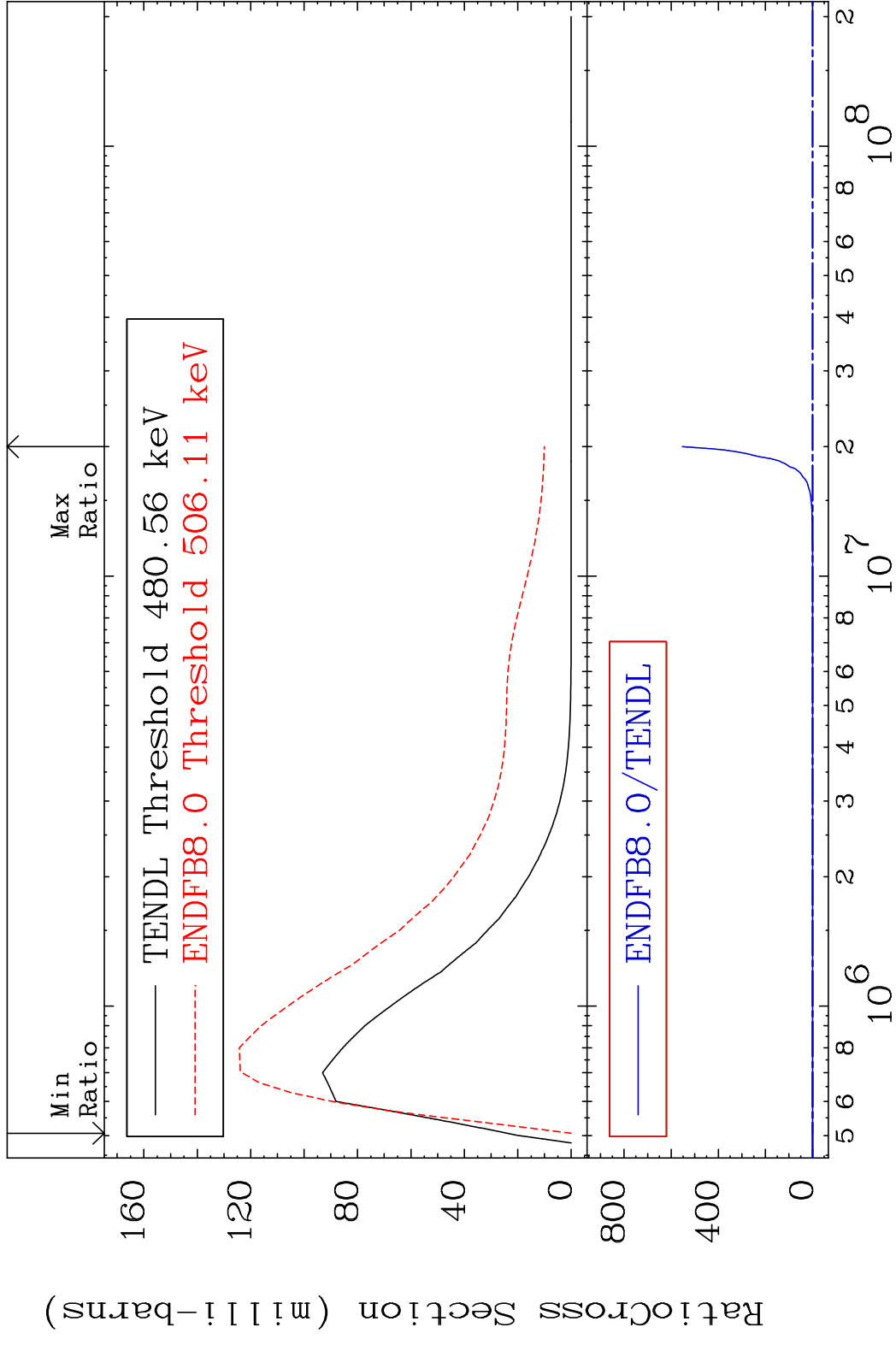
MAT 4446 MT= 59 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



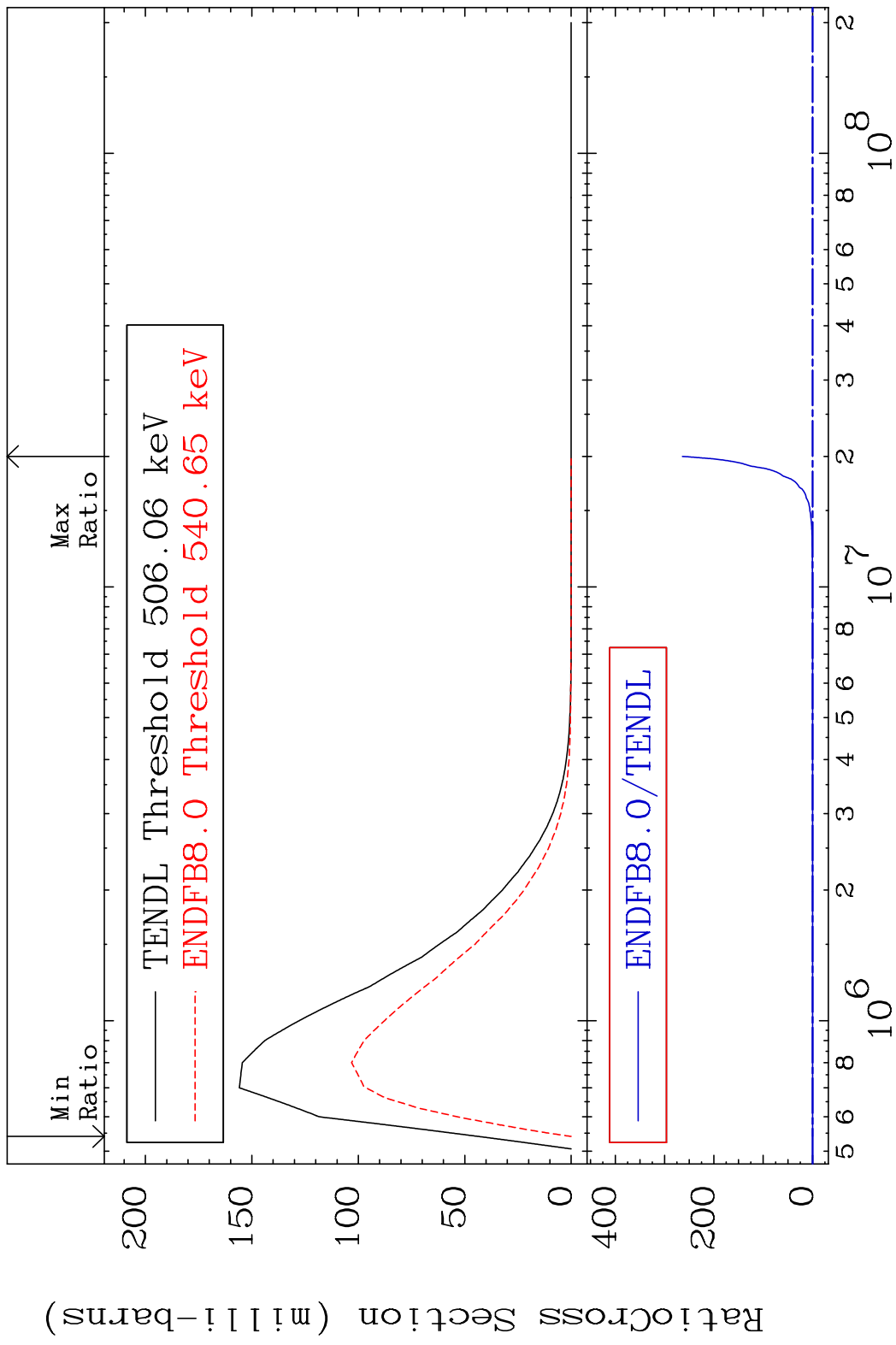
MAT 4446 MT= 60 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



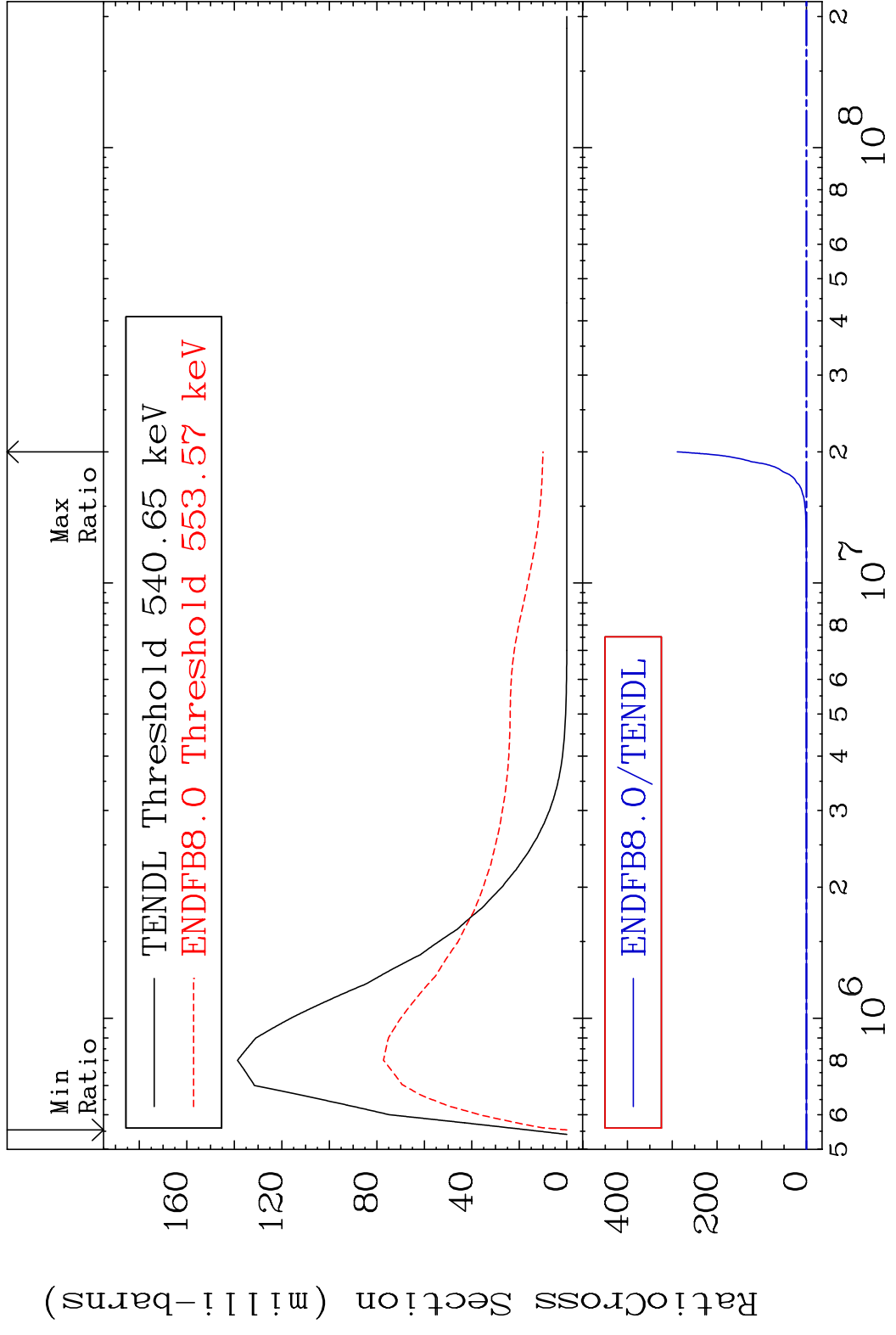
MAT 4446 MT= 61 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



MAT 4446 MT= 62 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %

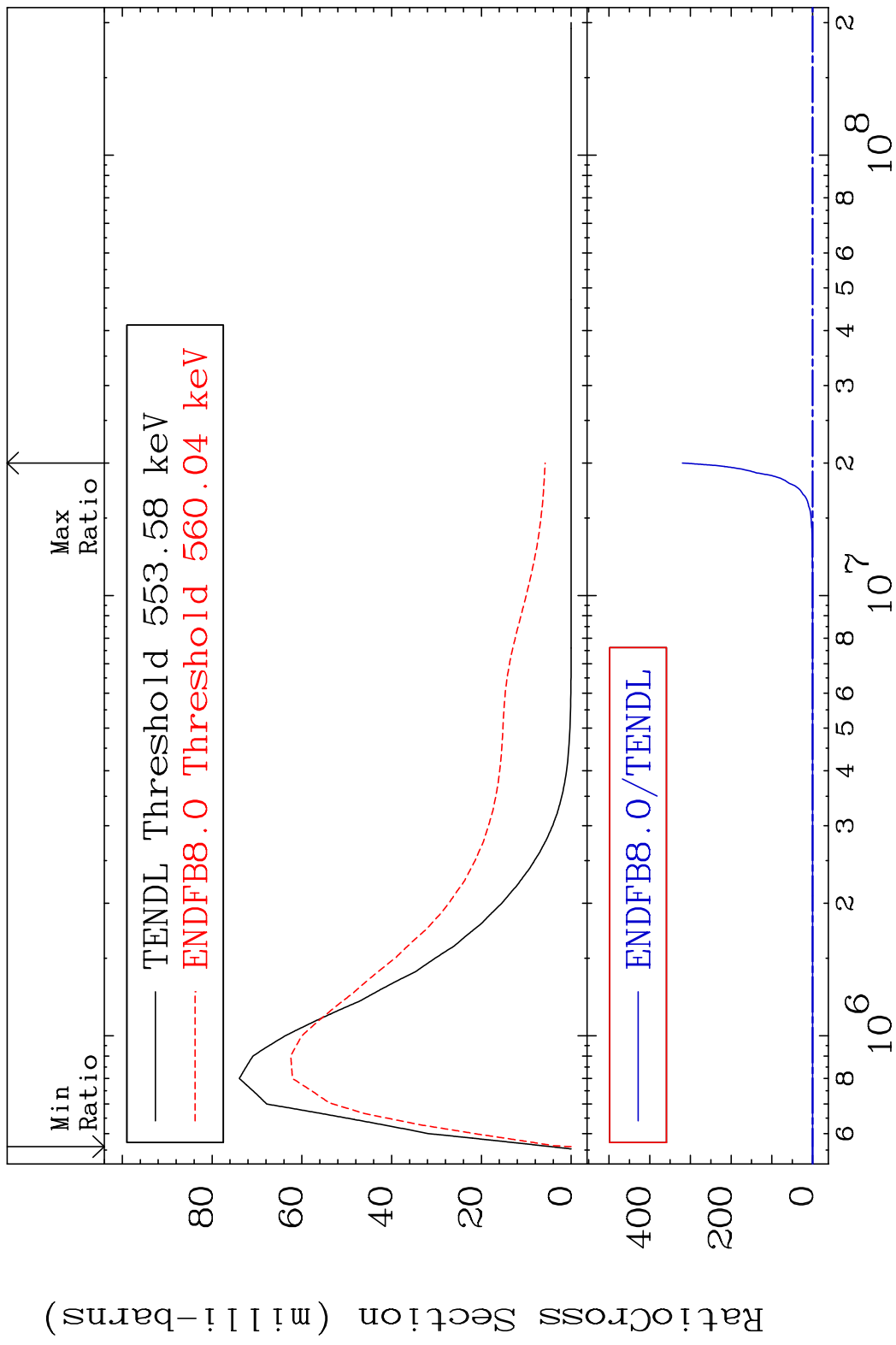


MAT 4446 MT= 63 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %

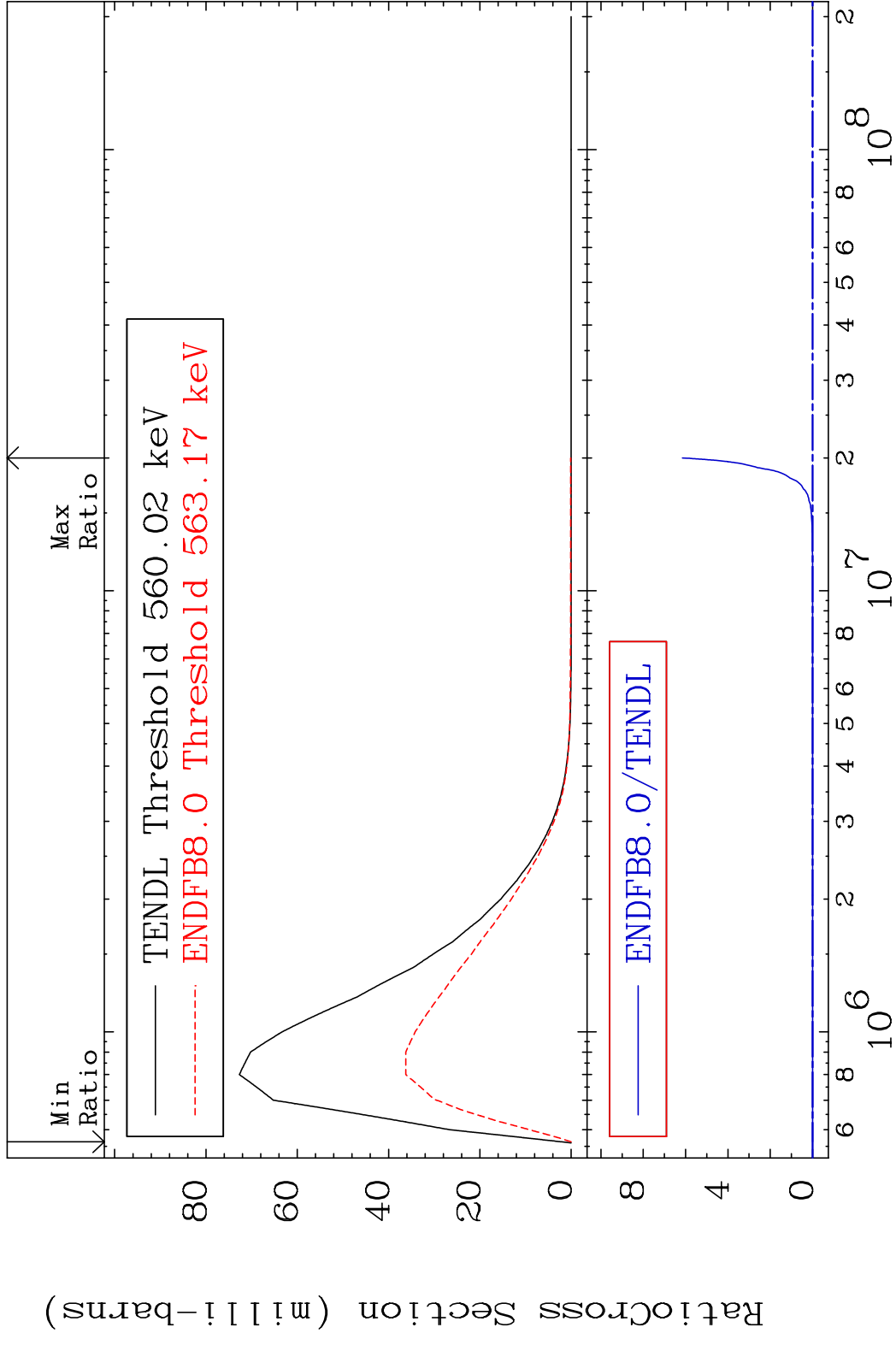


20 Incident Energy (eV) 44-Ru-103

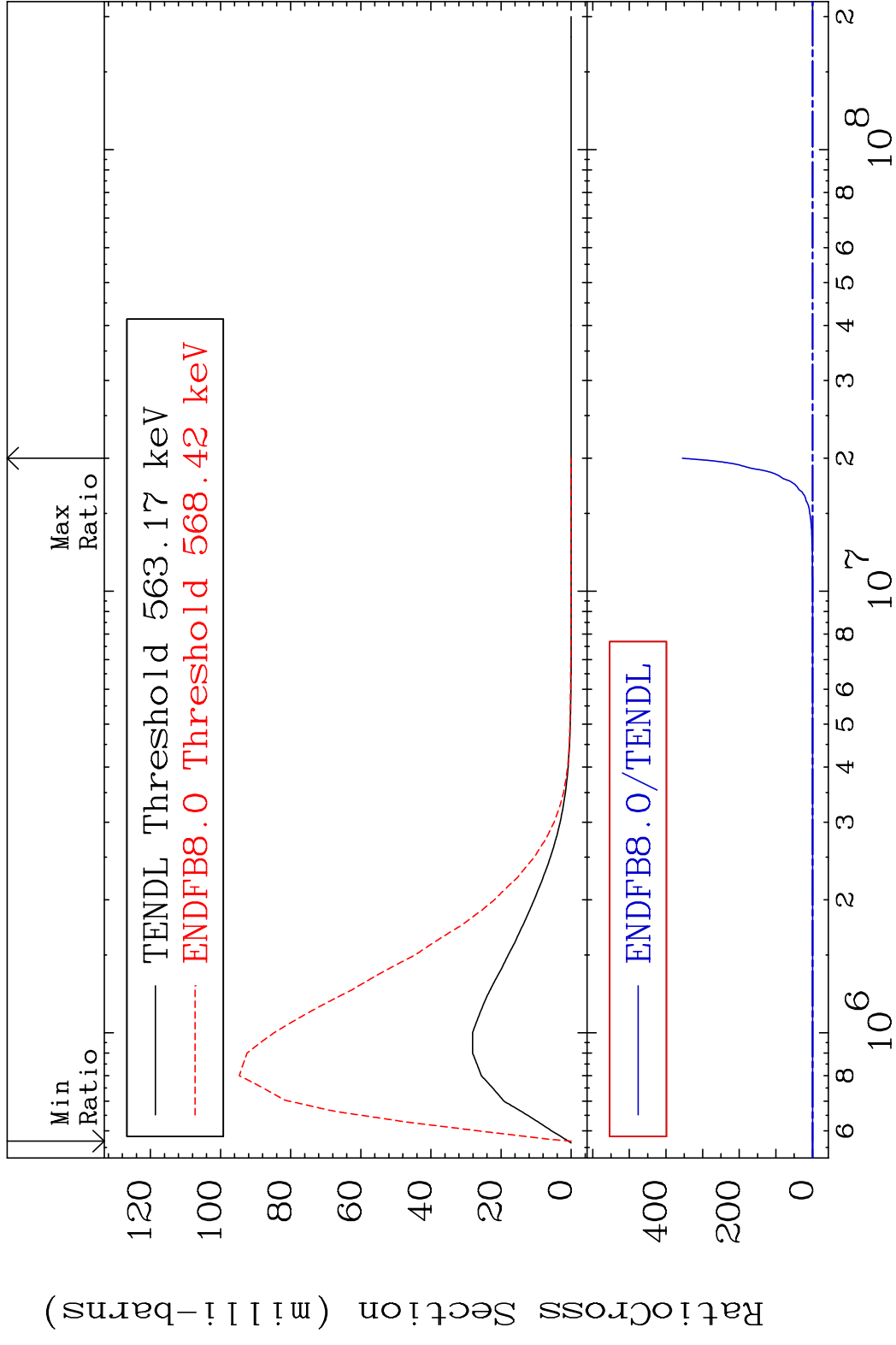
MAT 4446 MT= 64 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



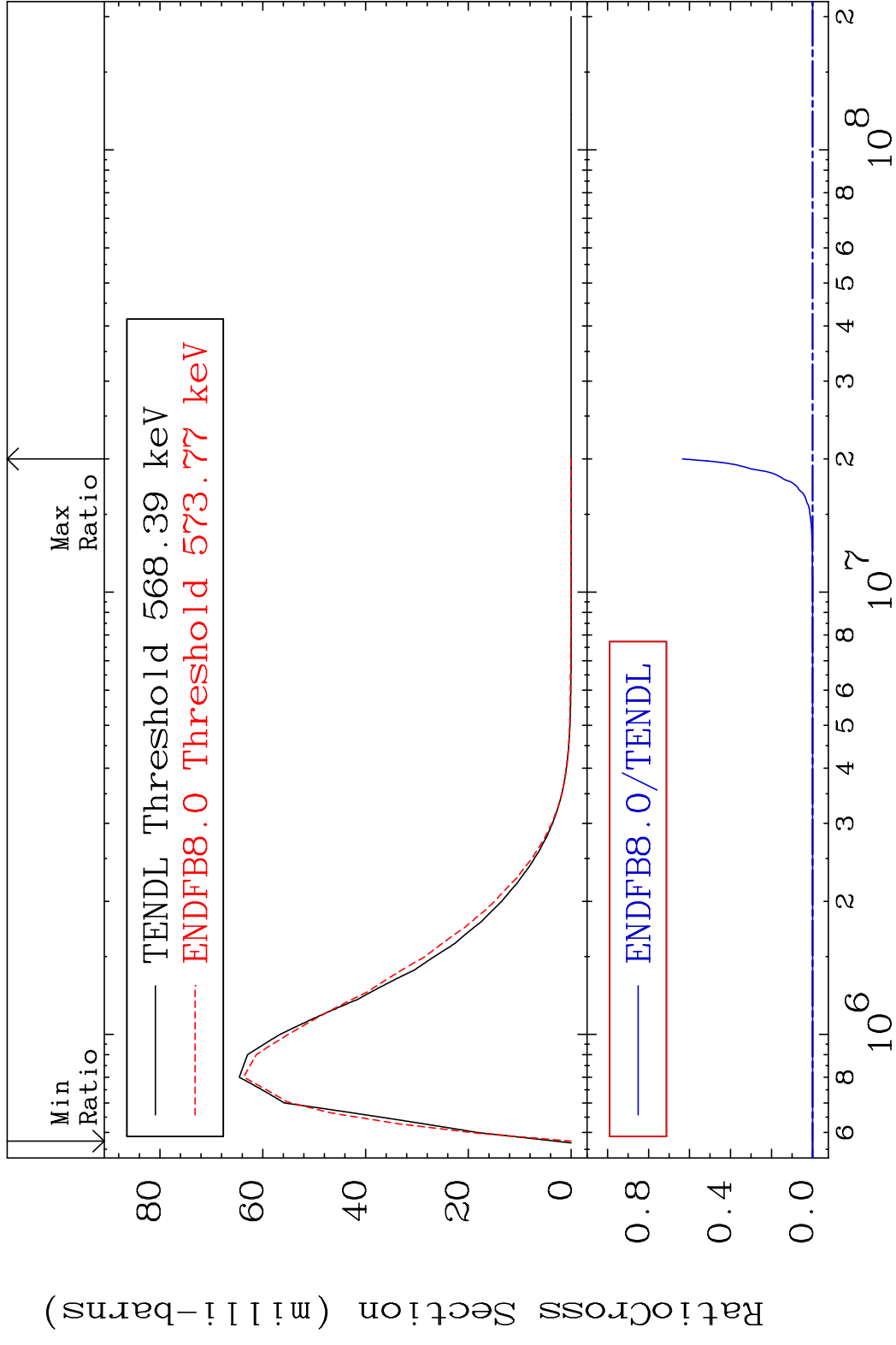
MAT 4446 MT= 65 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



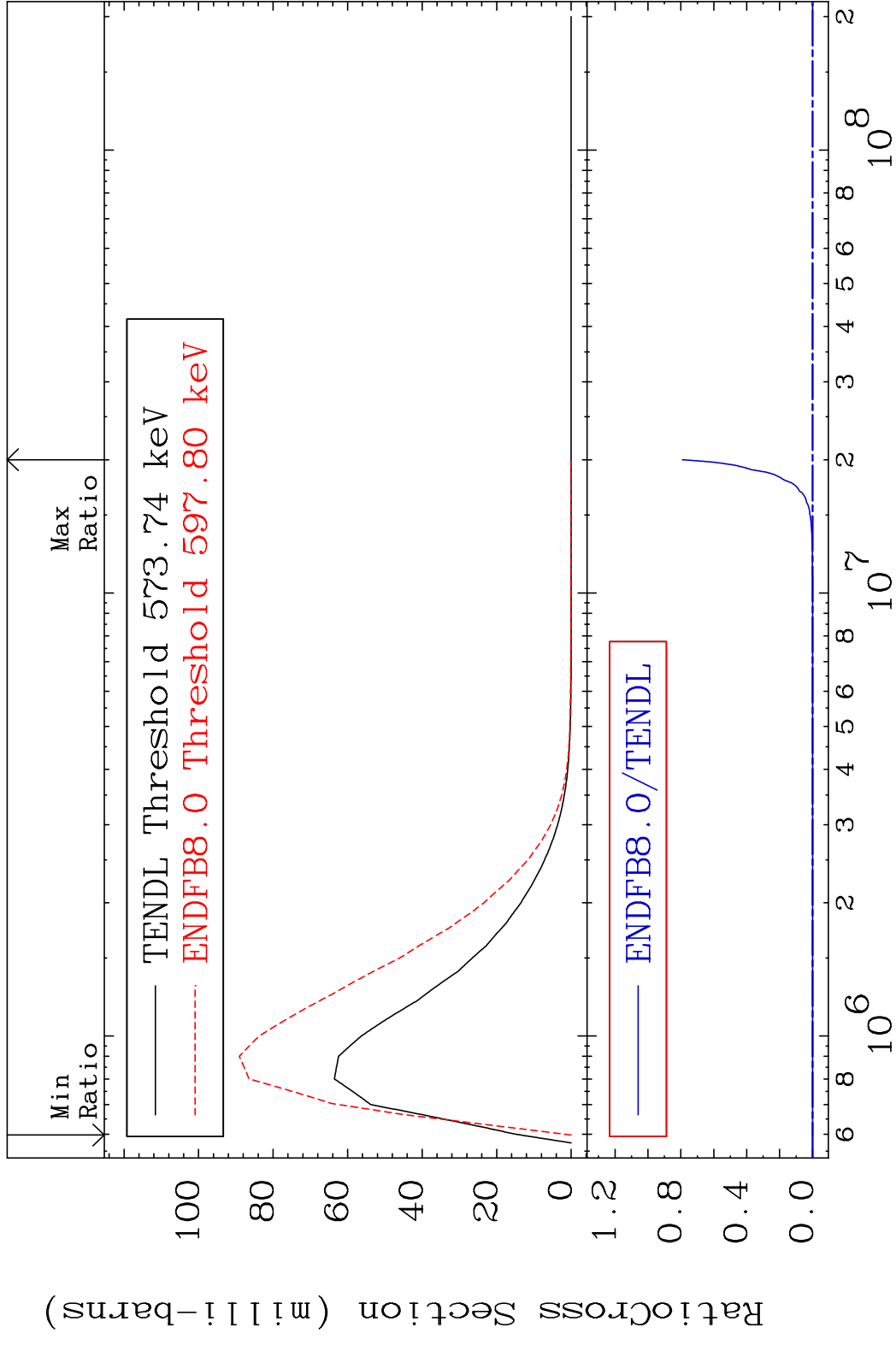
MAT 4446 MT= 66 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



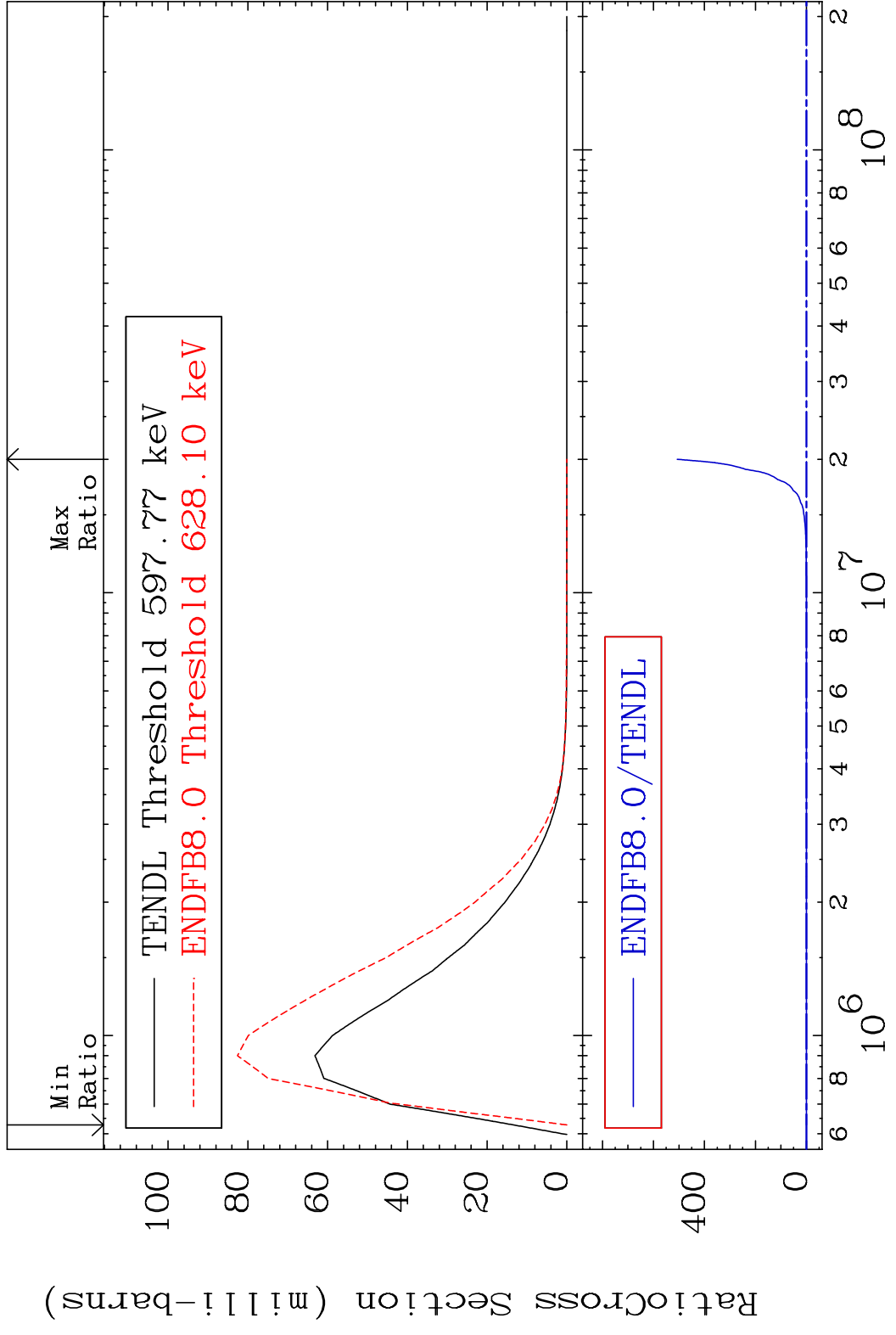
MAT 4446 MT= 67 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



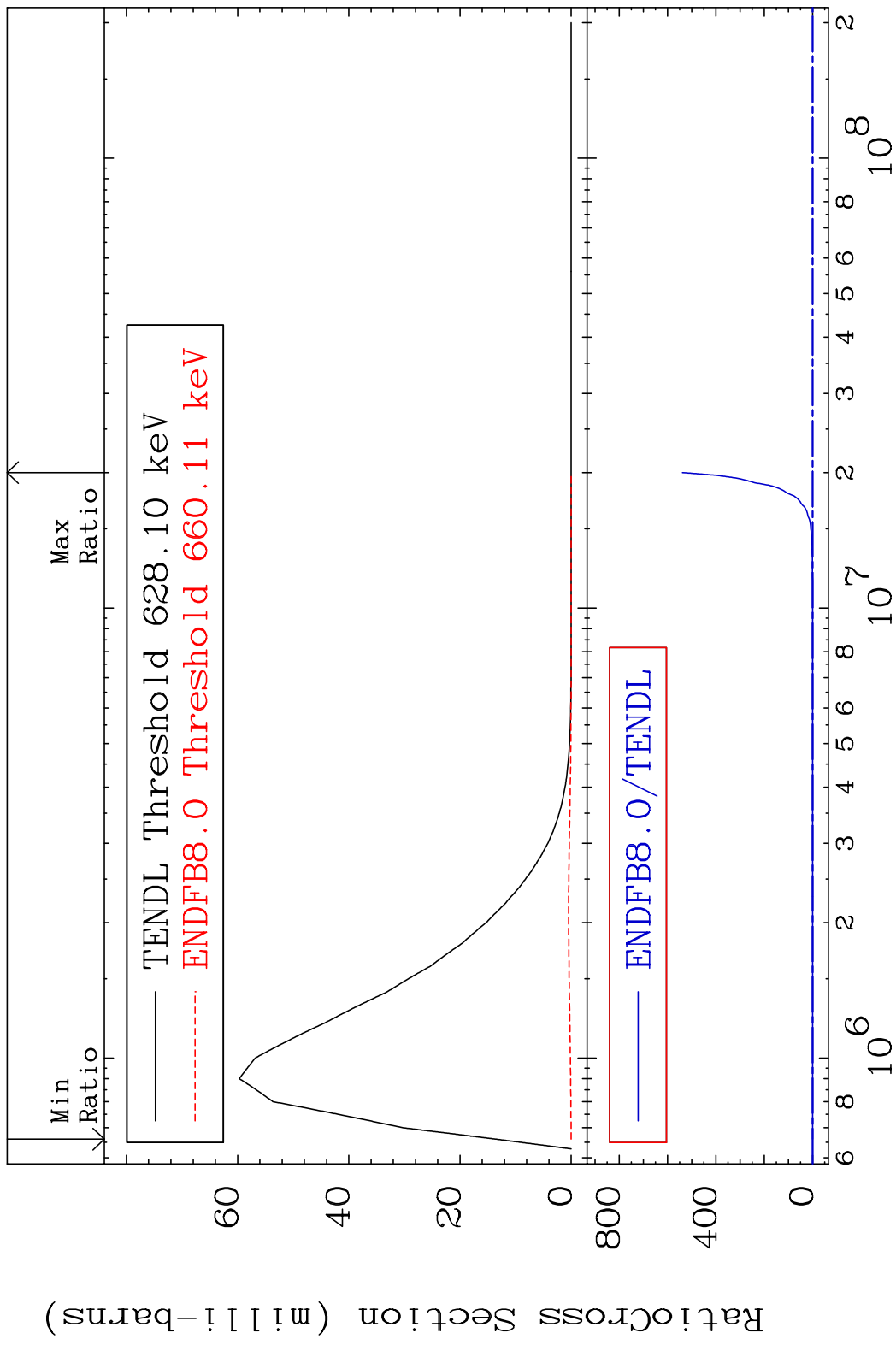
MAT 4446 MT= 68 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



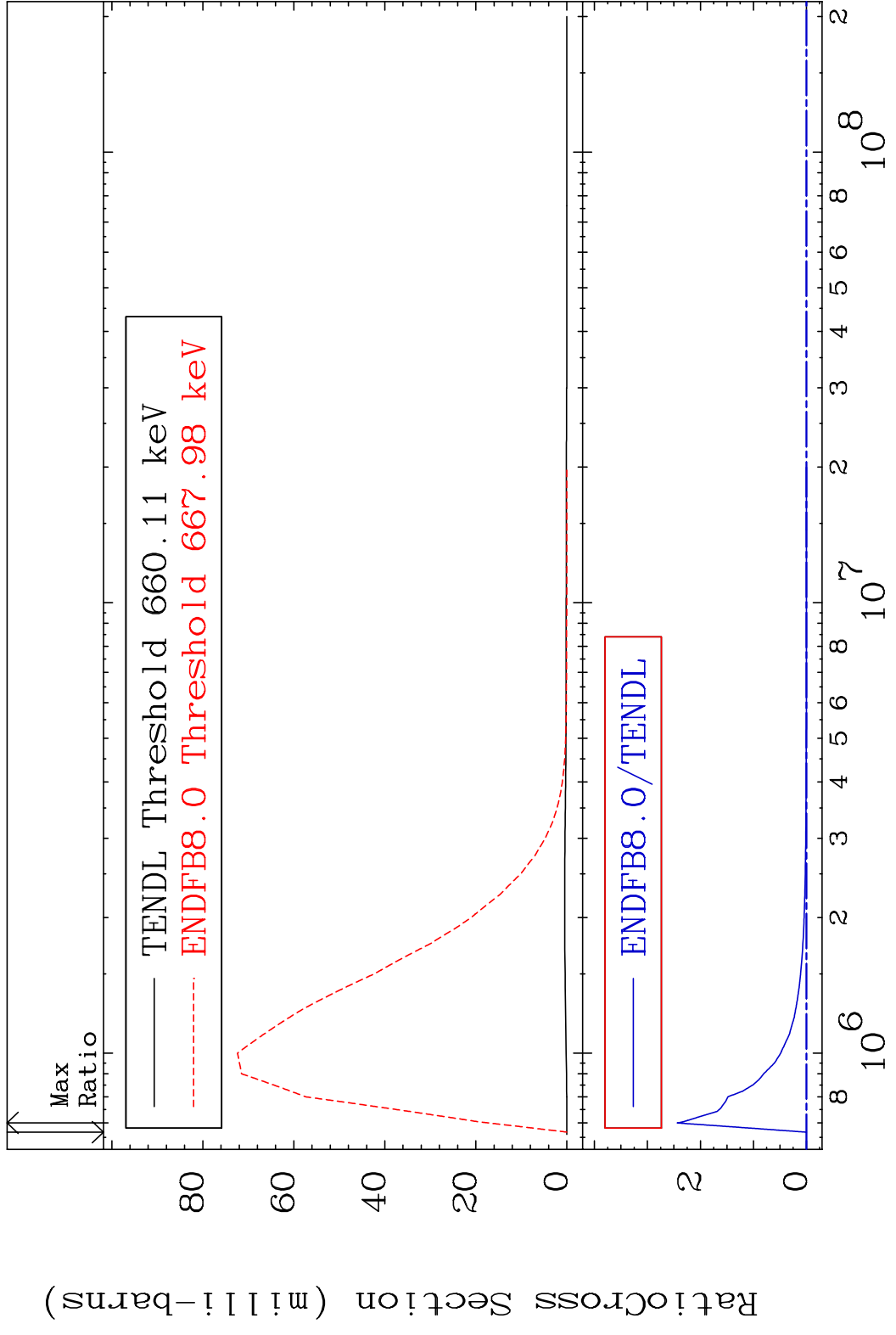
MAT 4446 MT= 69 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



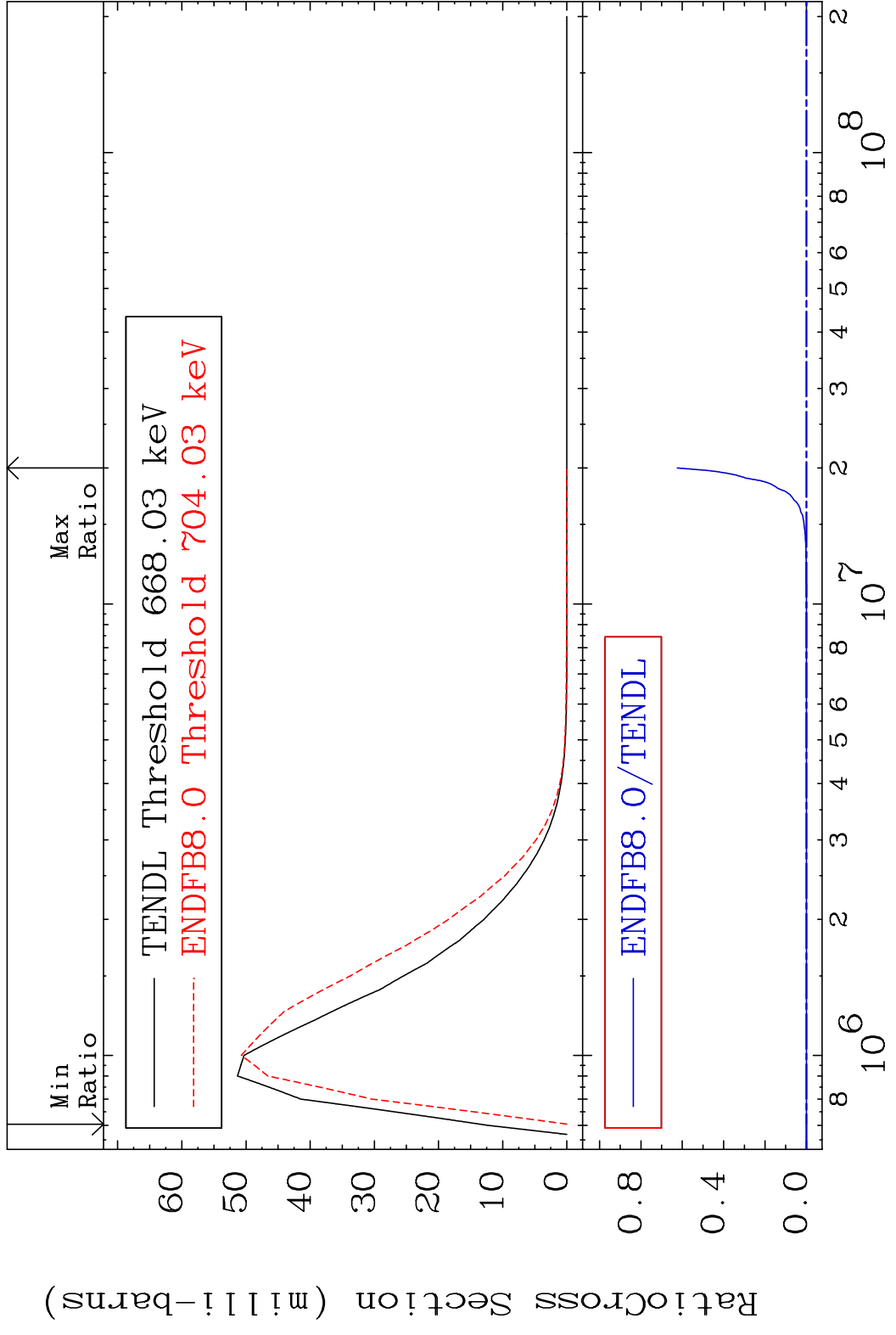
MAT 4446 MT= 70 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



MAT 4446 MT= 71 (n,n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %



MAT 4446 MT= 72 (n, n') Level 44-Ru-103
 Cross Section -100.0 To 9999. %

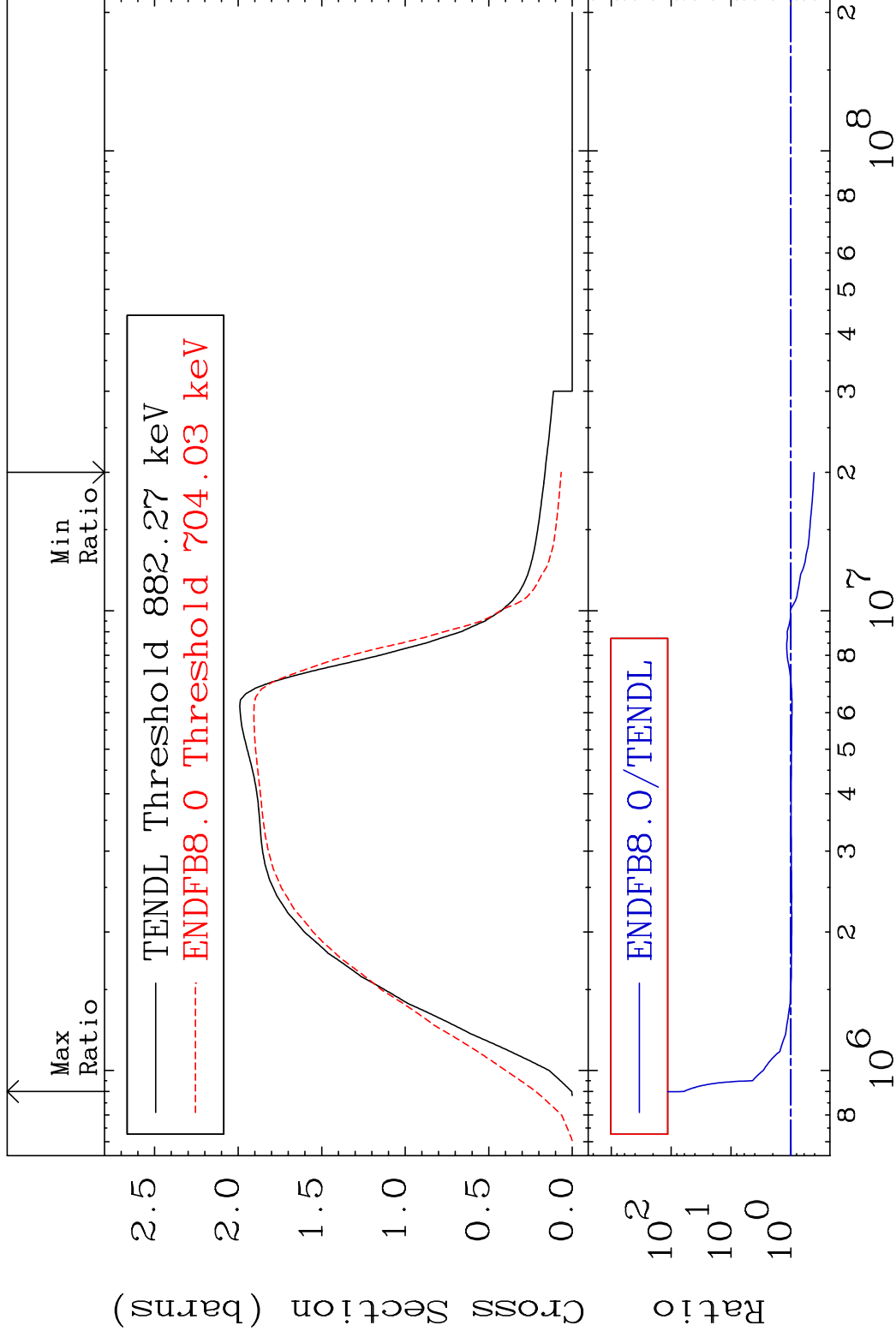


MAT 4446

(n,n') Continuum

44-Ru-103

Cross Section -59.16 To 6057. %



30

Incident Energy (eV)

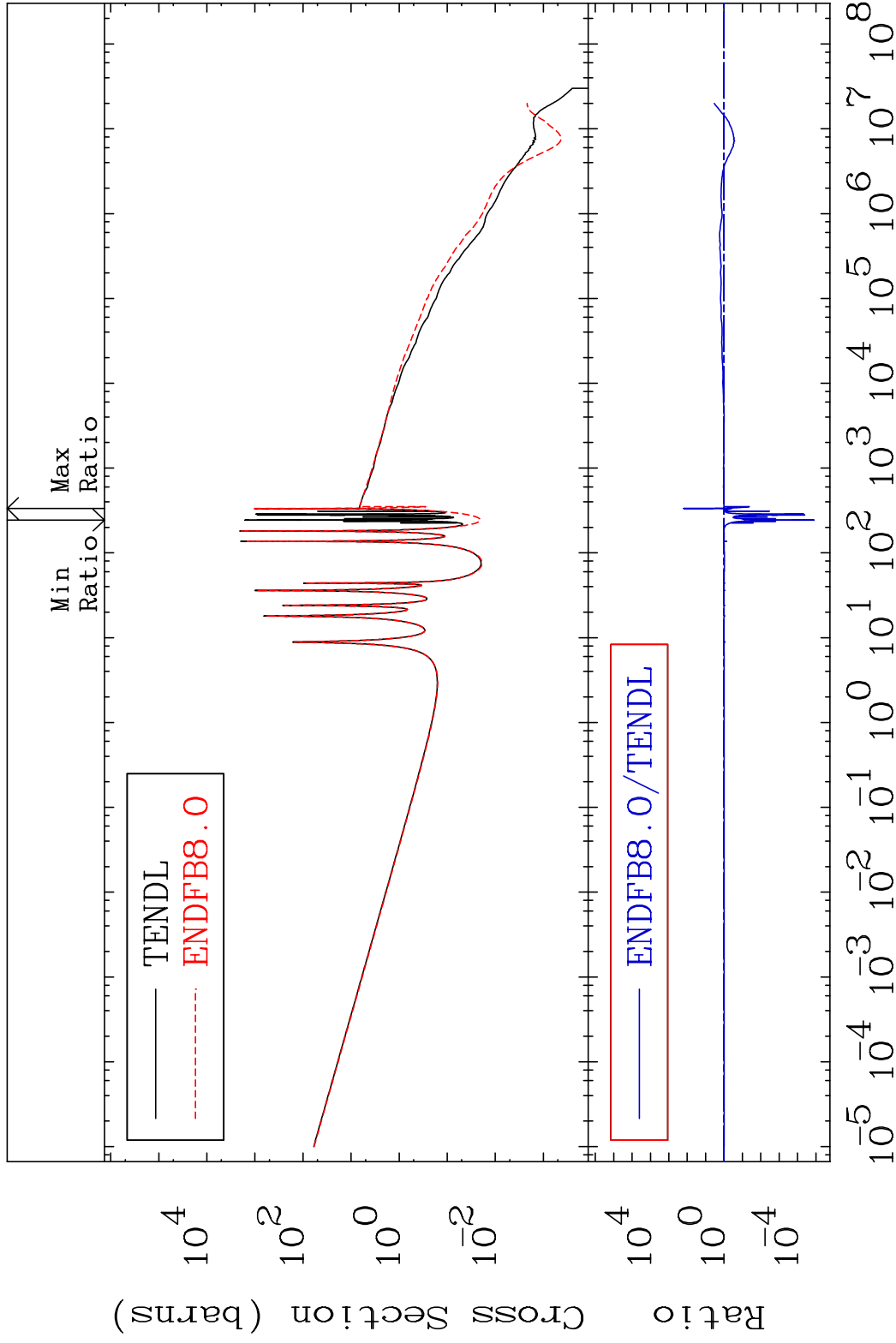
44-Ru-103

MAT 4446

(n, γ)

44-Ru-103

Cross Section -100.0 To 9999. %

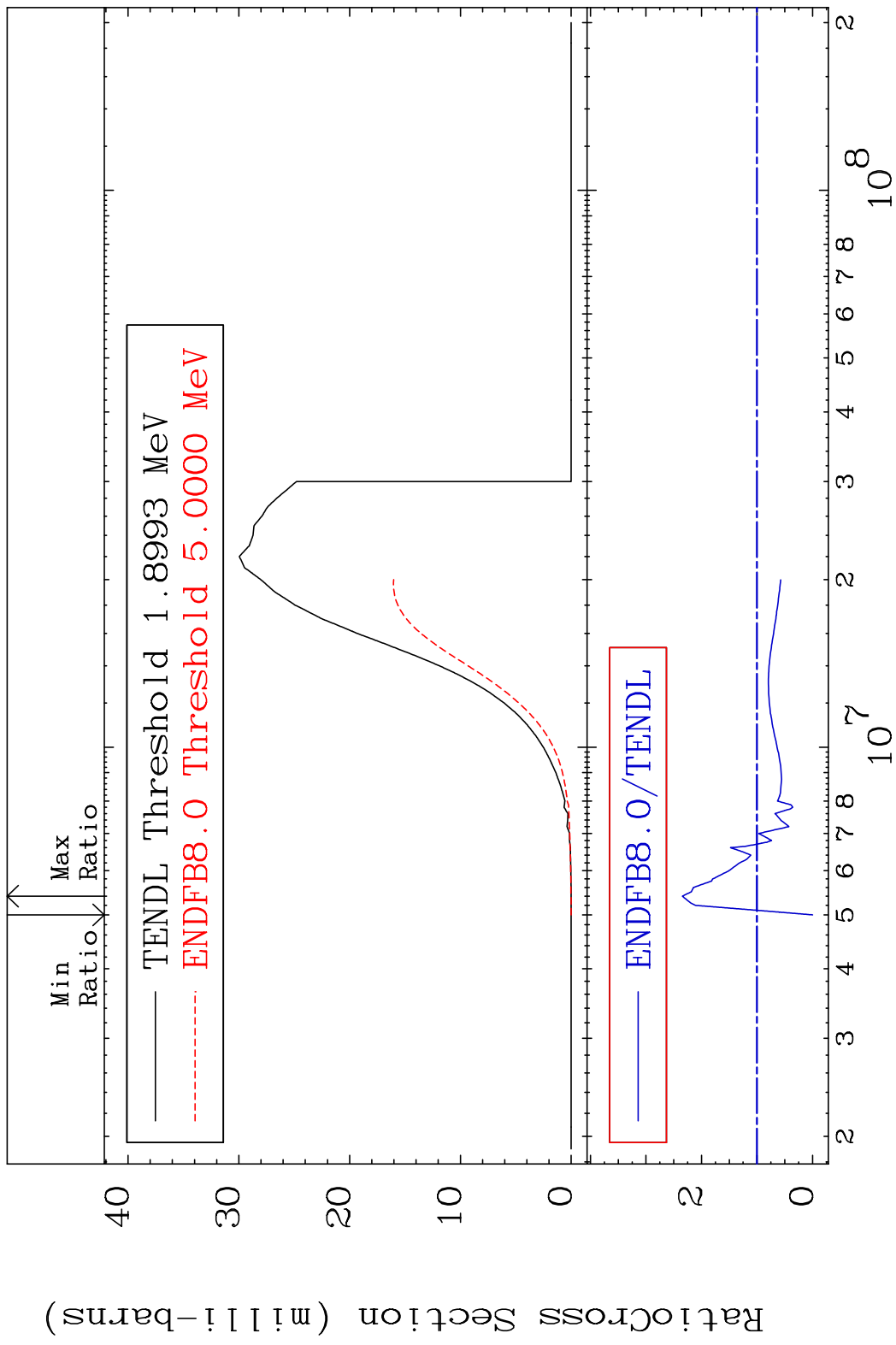


31

Incident Energy (eV)

44-Ru-103

MAT 4446 (n,p) 44-Ru-103
 Cross Section -100.0 To 134.5 %



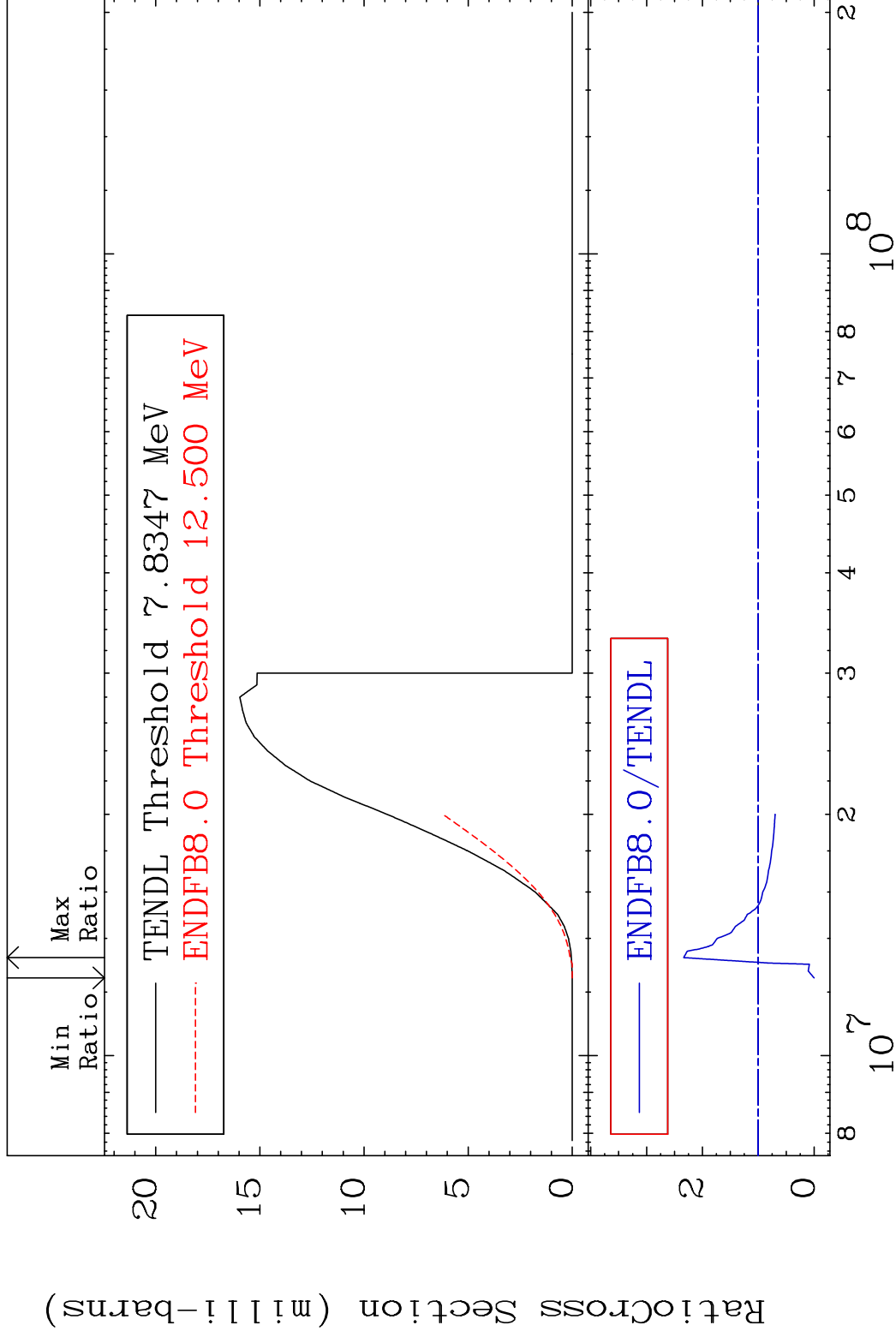
32 44-Ru-103

MAT 4446

(n, d)

44-Ru-103

Cross Section -100.0 To 133.6 %



33

Incident Energy (eV)

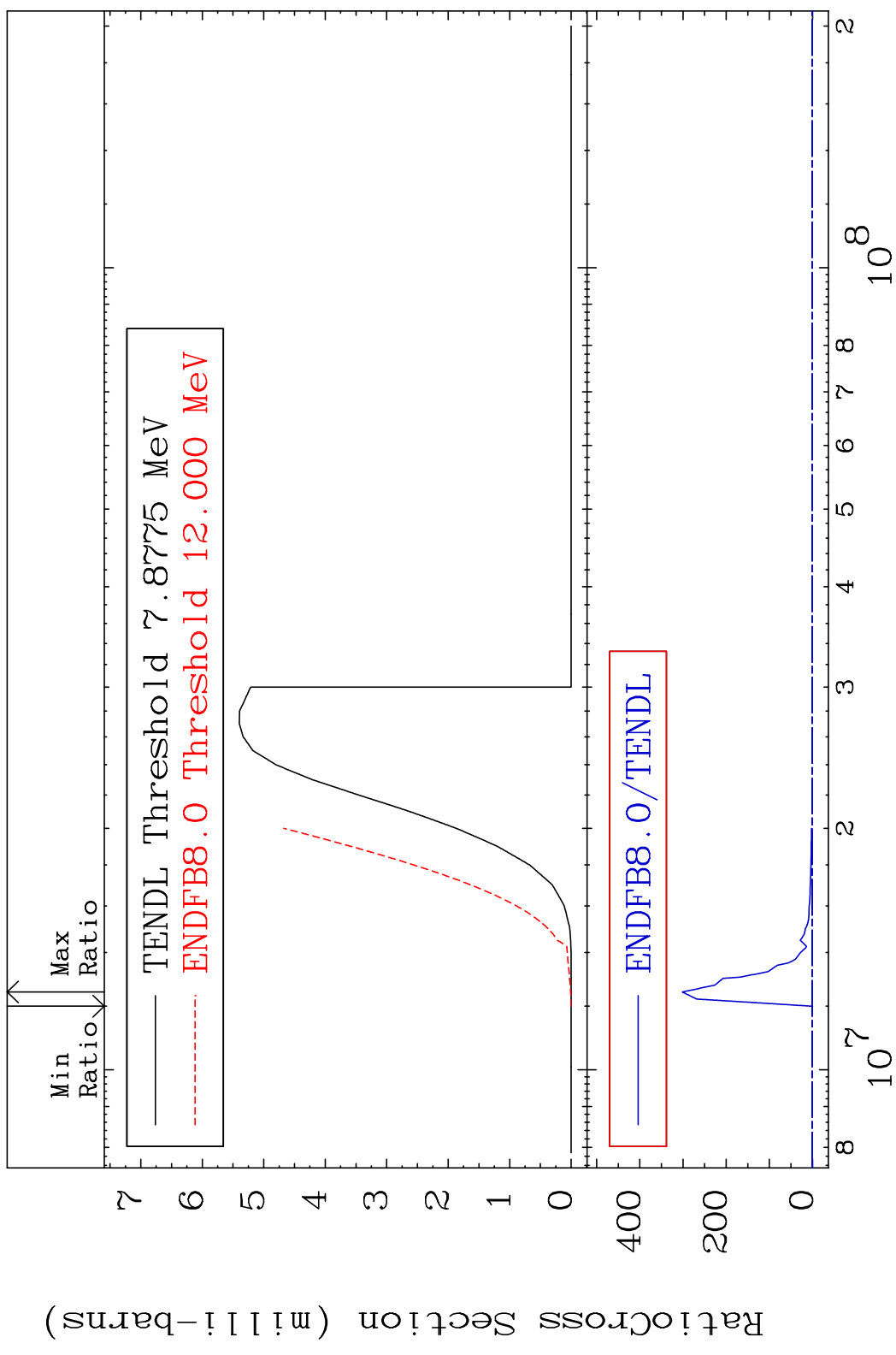
44-Ru-103

MAT 4446

(n, t)

44-Ru-103

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

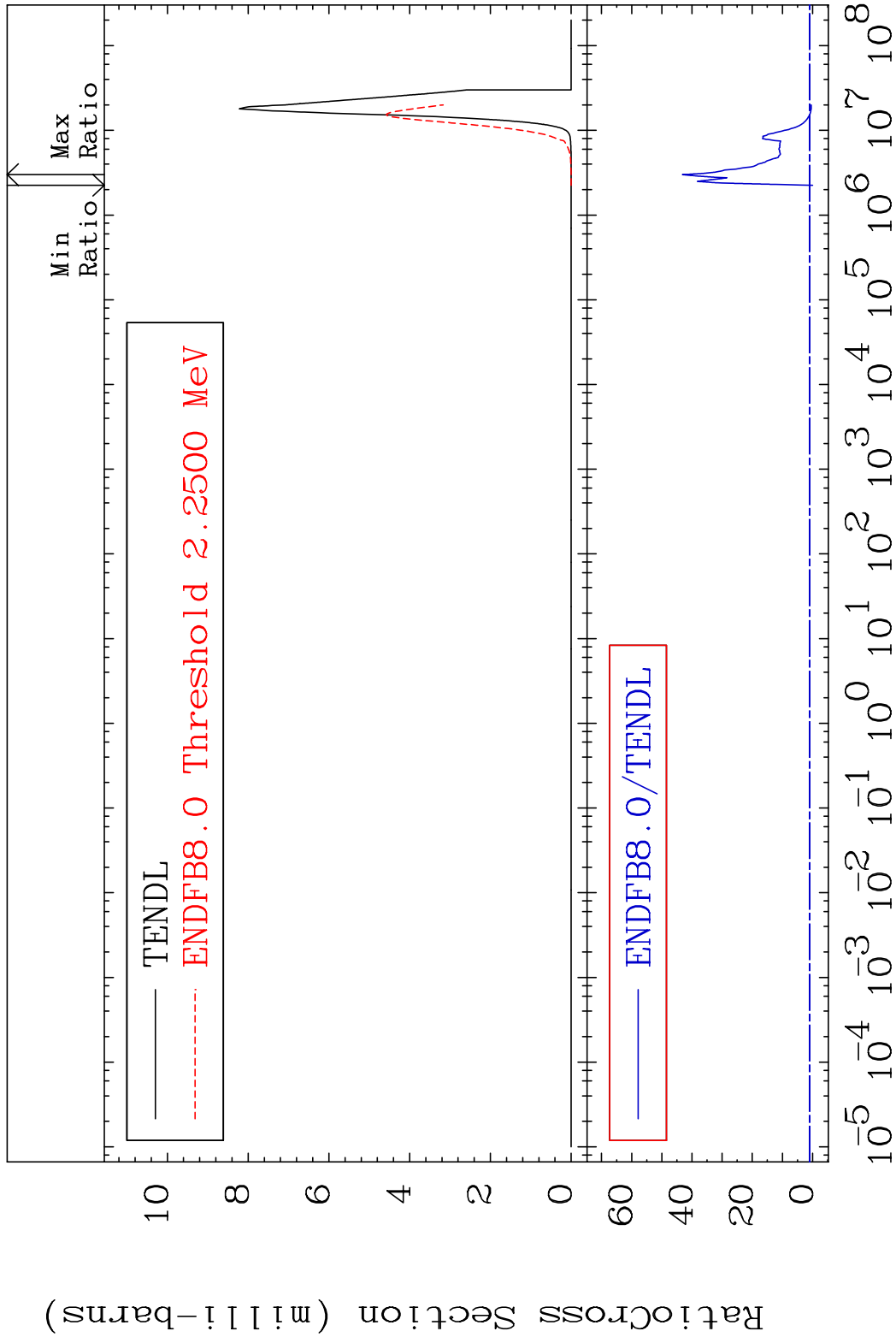
44-Ru-103

MAT 4446

(n, α)

44-Ru-103

Cross Section -100.0 To 4219. %



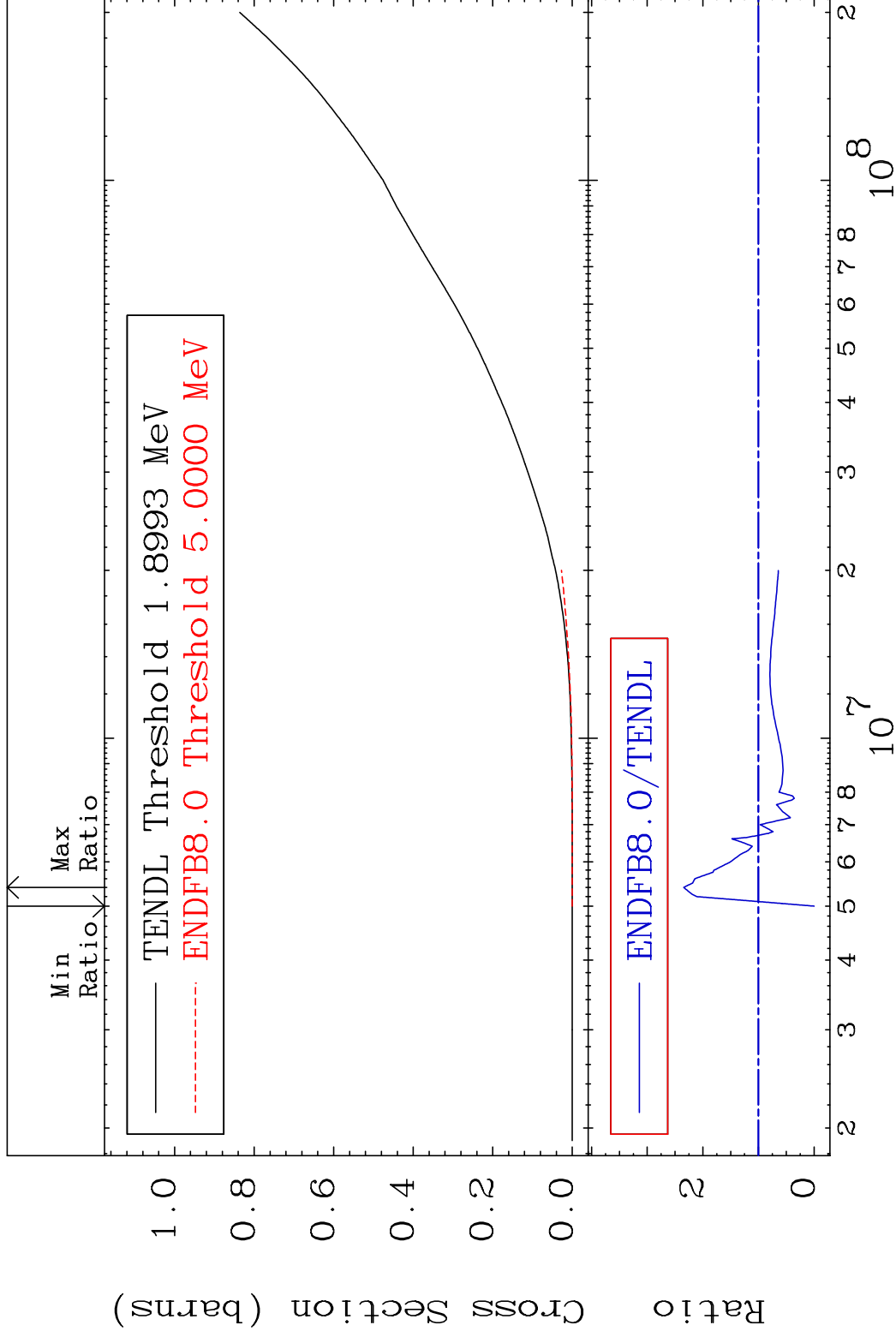
35

Incident Energy (eV)

44-Ru-103

MAT 4446

Hydrogen Production 44-Ru-103
Cross Section -100.0 To 134.5 %



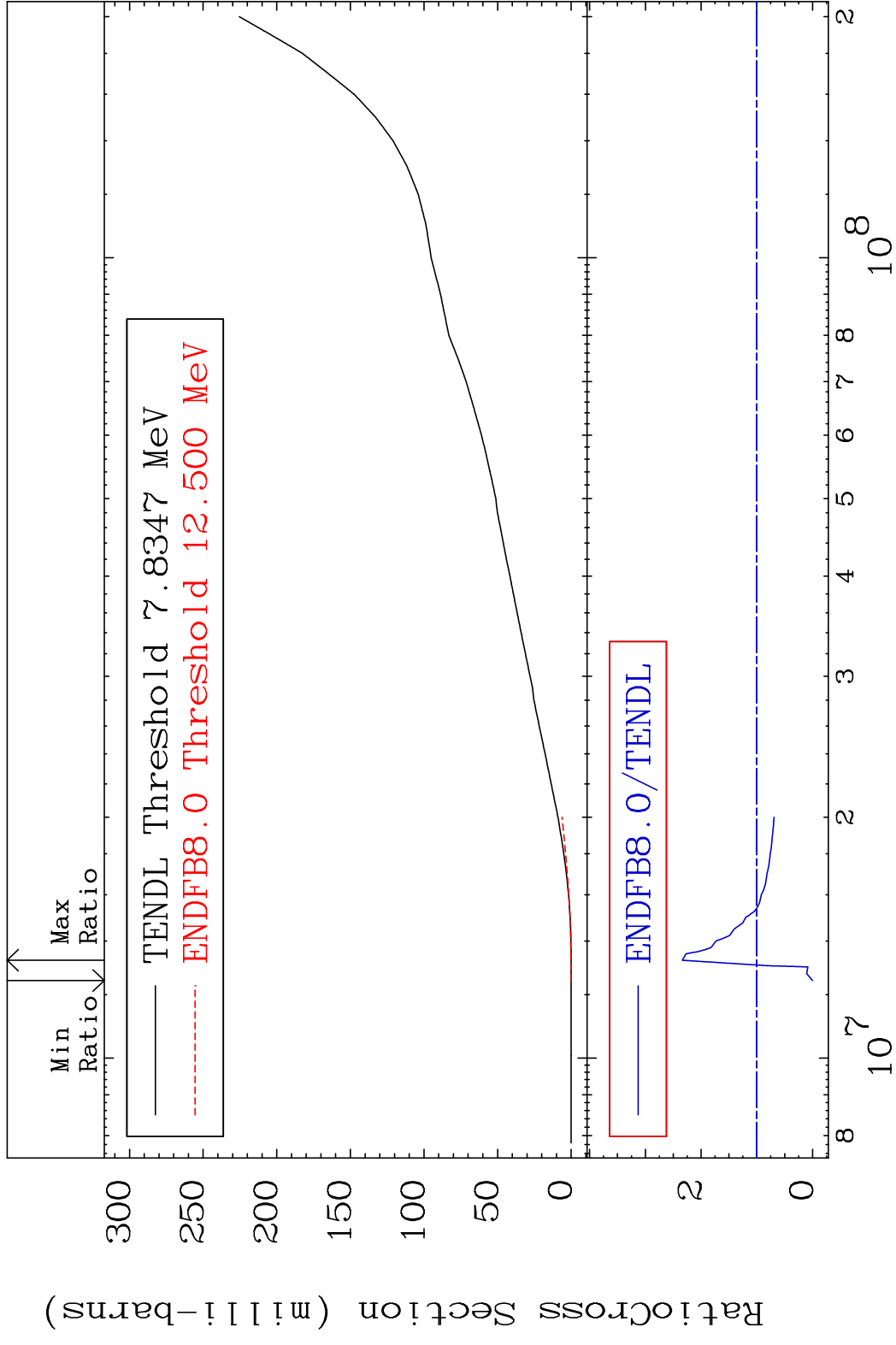
36

Incident Energy (eV)

44-Ru-103

MAT 4446

Deuterium Production 44-Ru-103
Cross Section -100.0 To 133.6 %

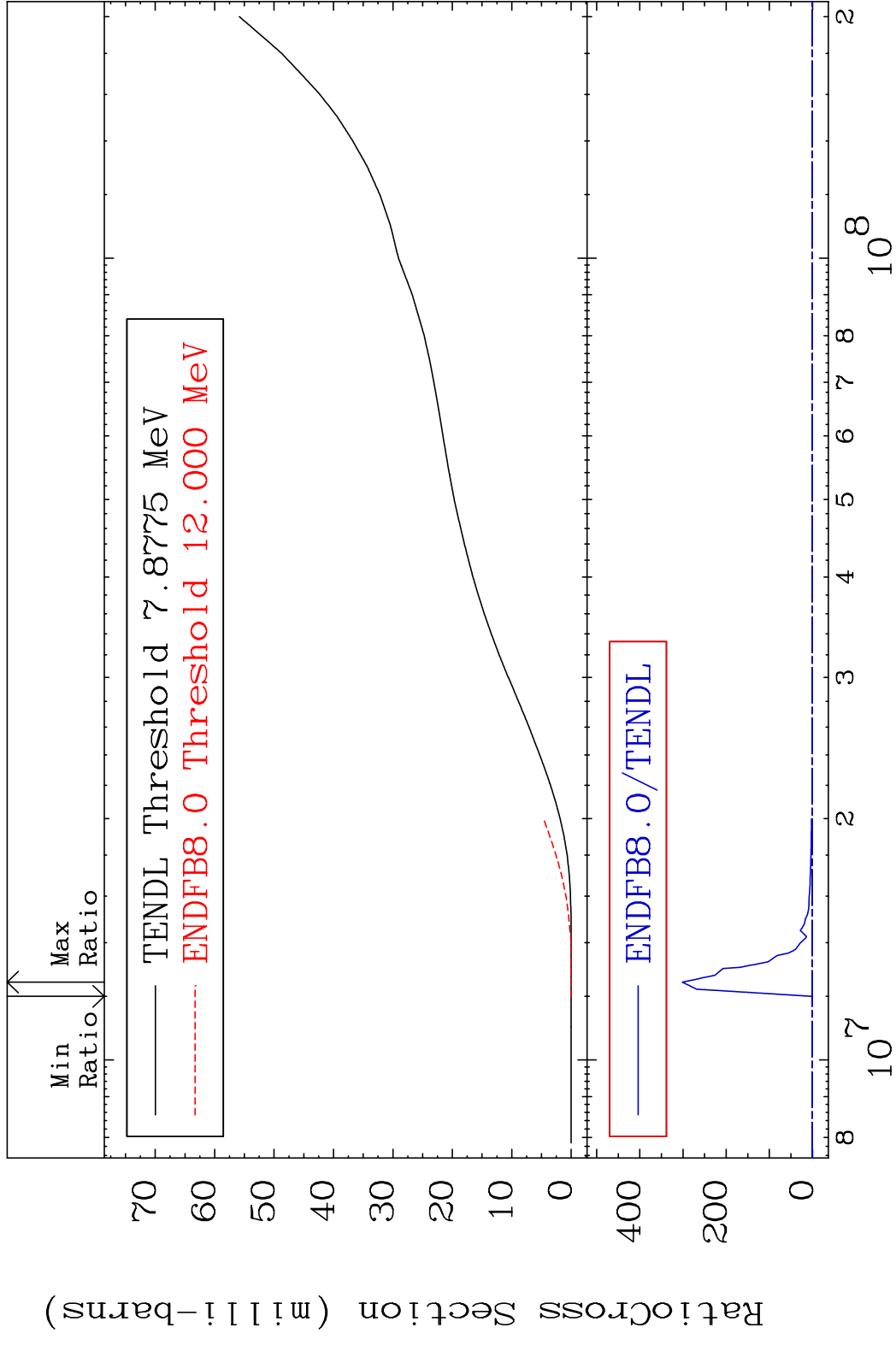


37

Incident Energy (eV)

44-Ru-103

MAT 4446 Tritium Production 44-Ru-103
 Cross Section -100.0 To 9999. %

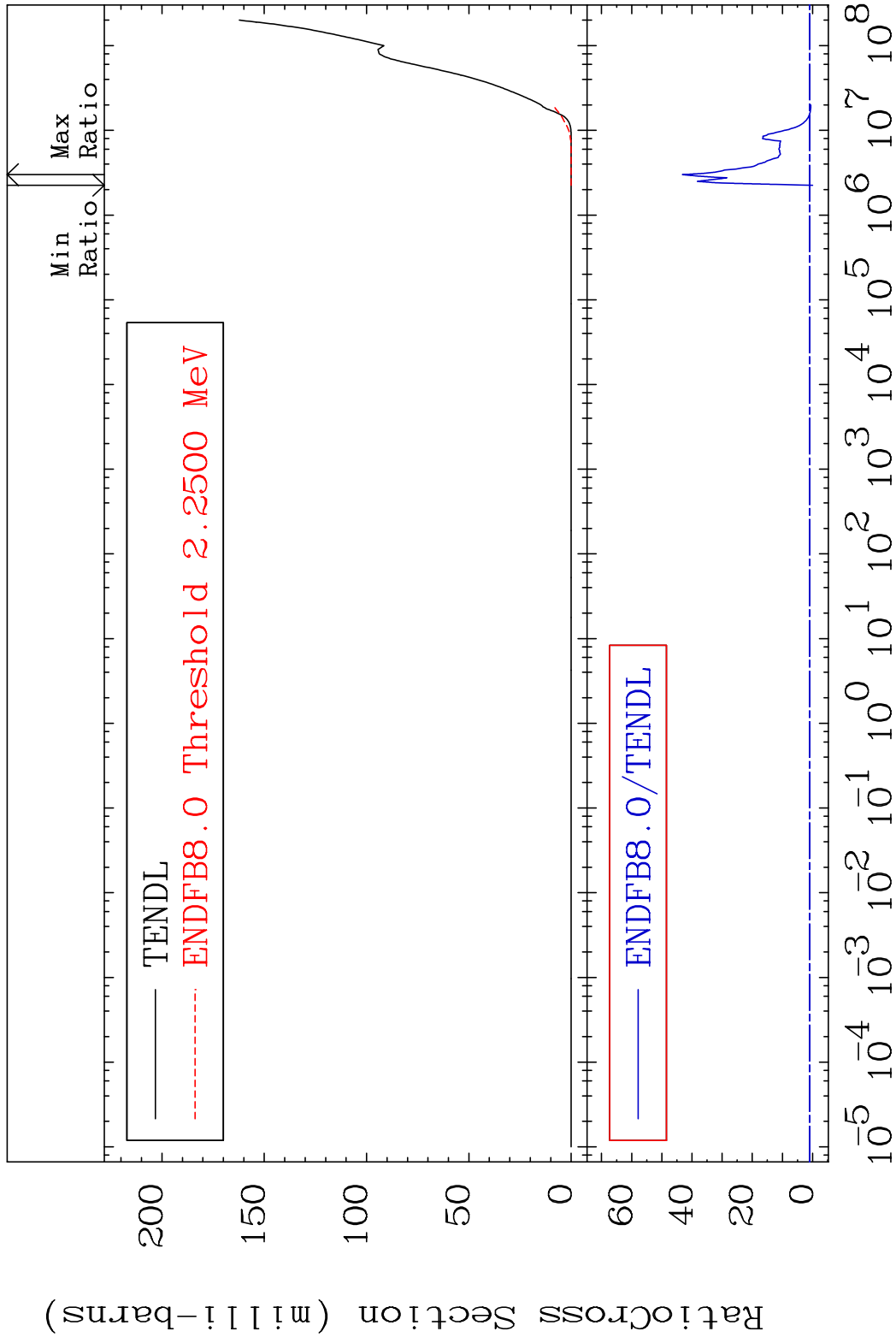


MAT 4446

He-4 Production

44-Ru-103

Cross Section -100.0 To 4219. %

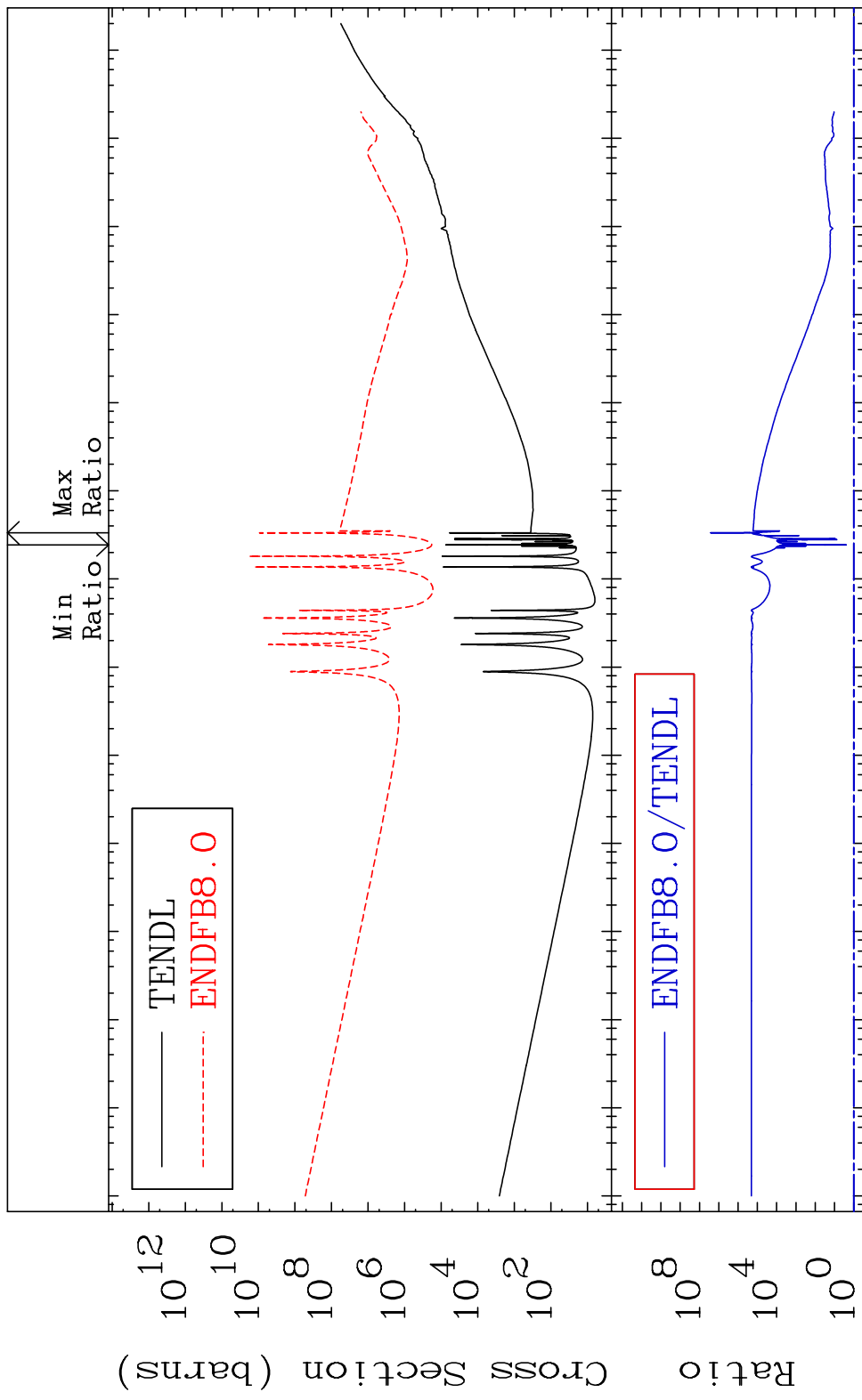


39

Incident Energy (eV)

44-Ru-103

MAT 4446 Kerma total (eV-barns) 44-Ru-103
 Cross Section 143.1 To 9999. %



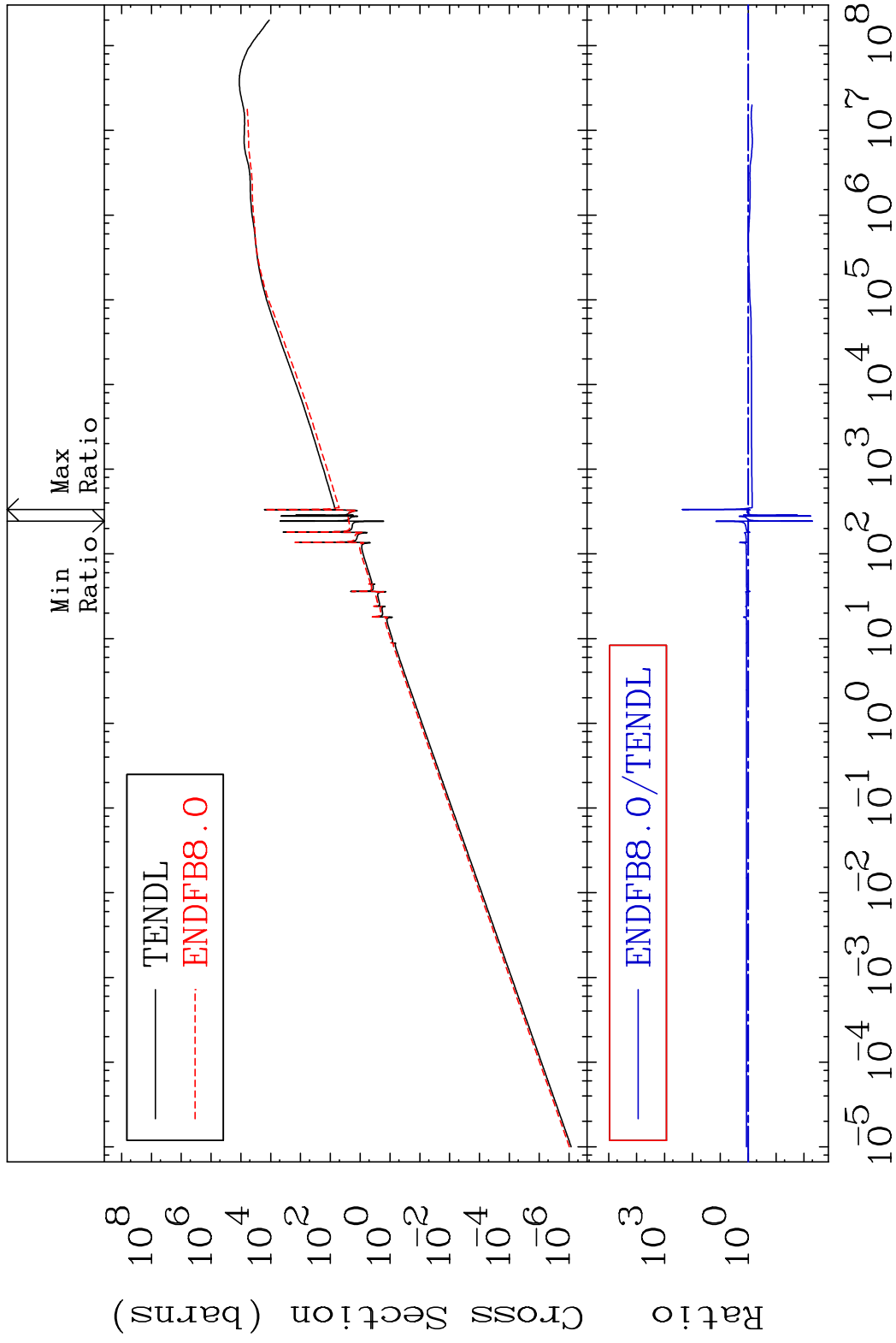
40 Incident Energy (eV) 44-Ru-103

MAT 4446

Kerma elastic

44-Ru-103

Cross Section -99.51 To 9999. %

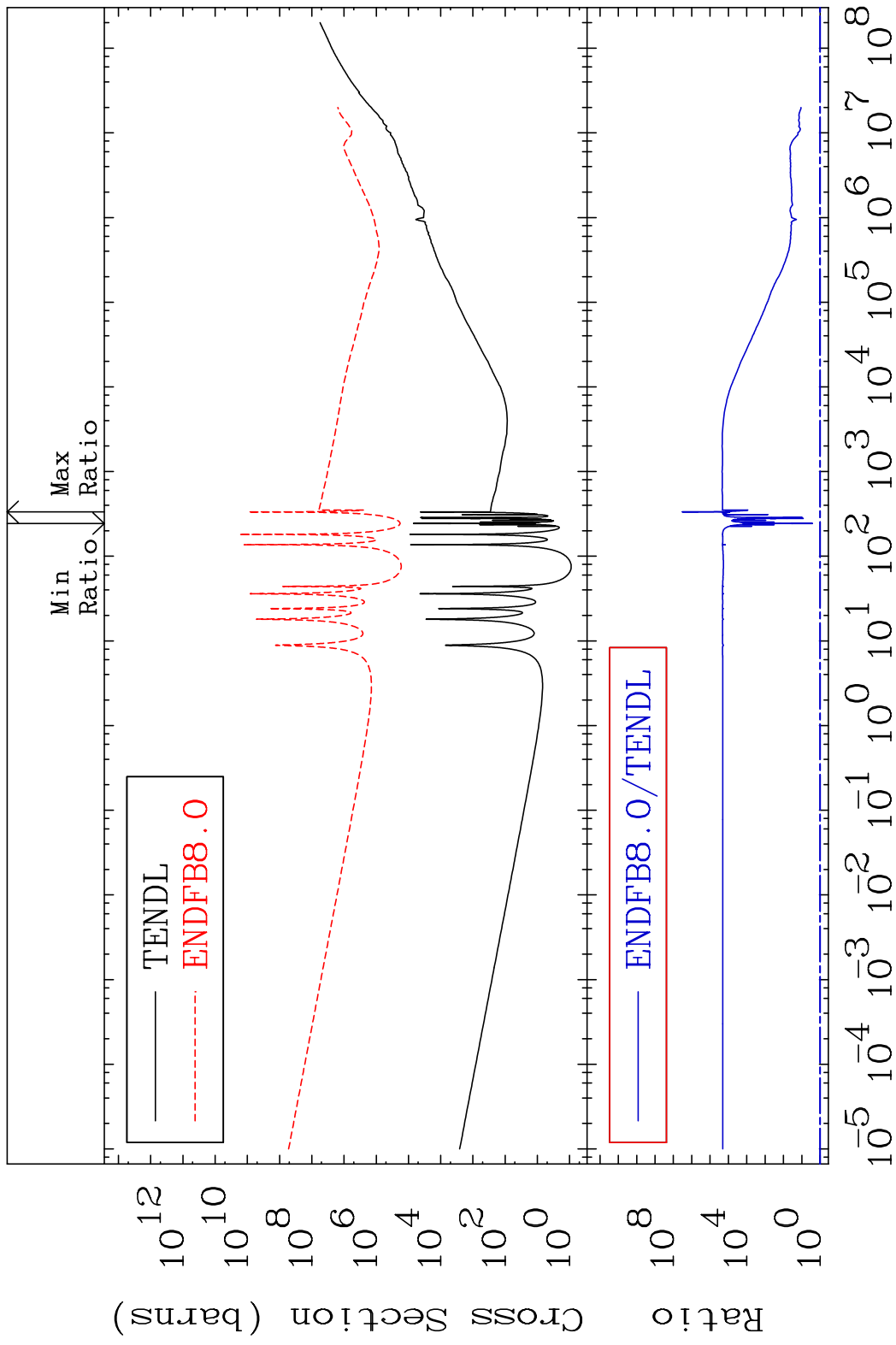


41

Incident Energy (eV)

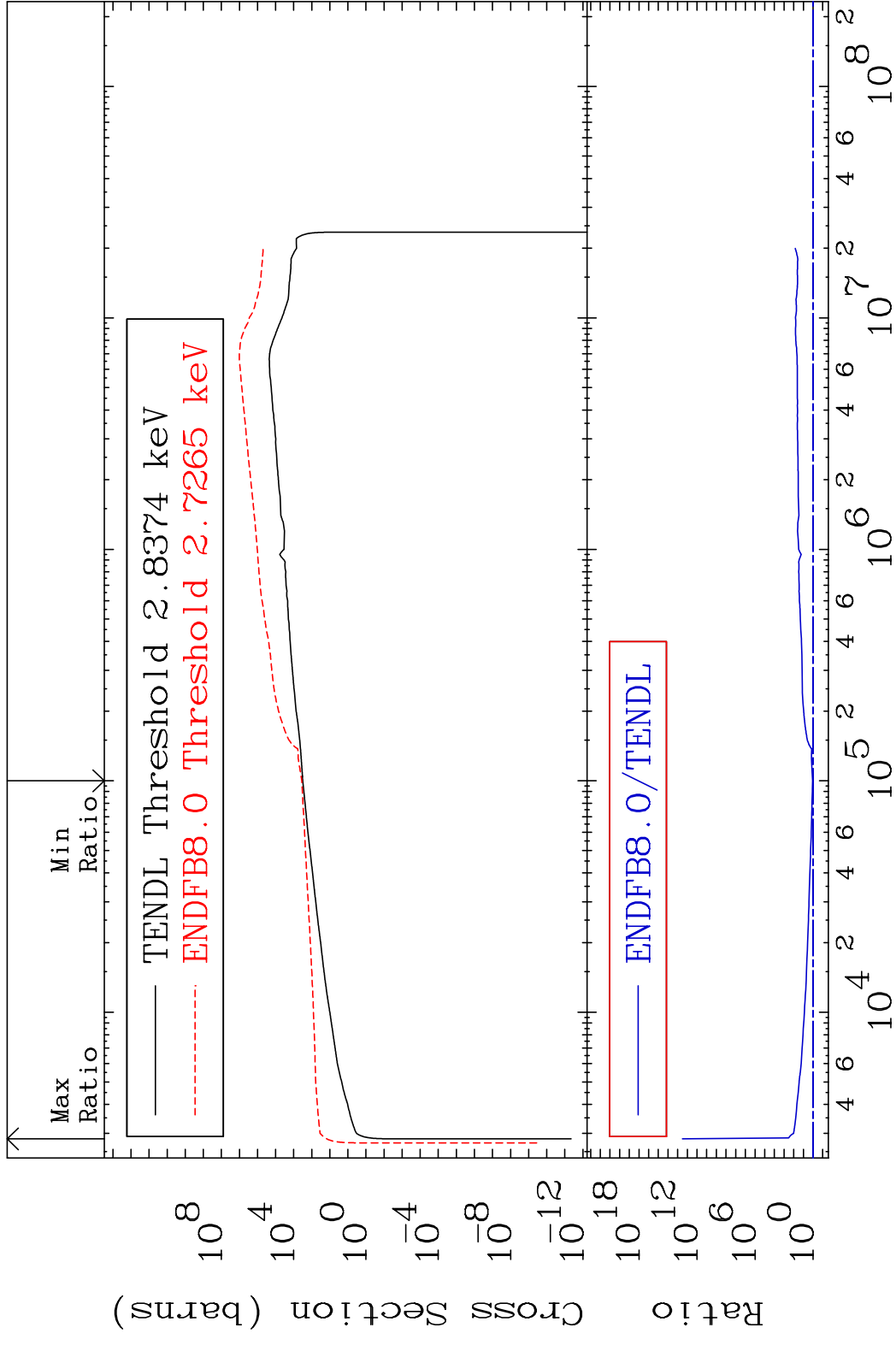
44-Ru-103

MAT 4446 Kerma non-elastic (all but mt2) 44-Ru-103
 Cross Section 160.1 To 9999. %

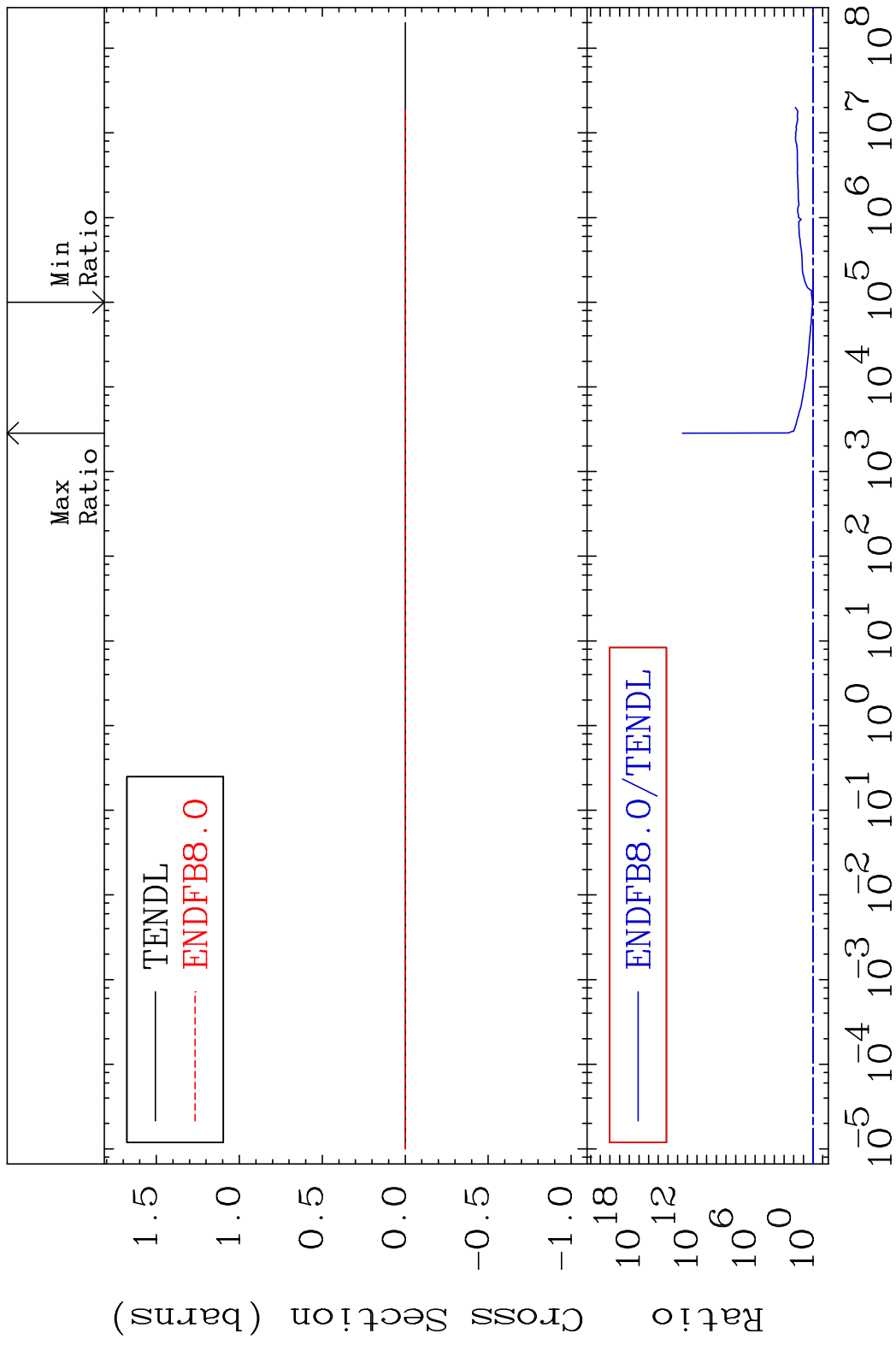


42 Incident Energy (eV) 44-Ru-103

MAT 4446 Kerma inelastic (mt51-91) 44-Ru-103
 Cross Section 12.68 To 9999. %

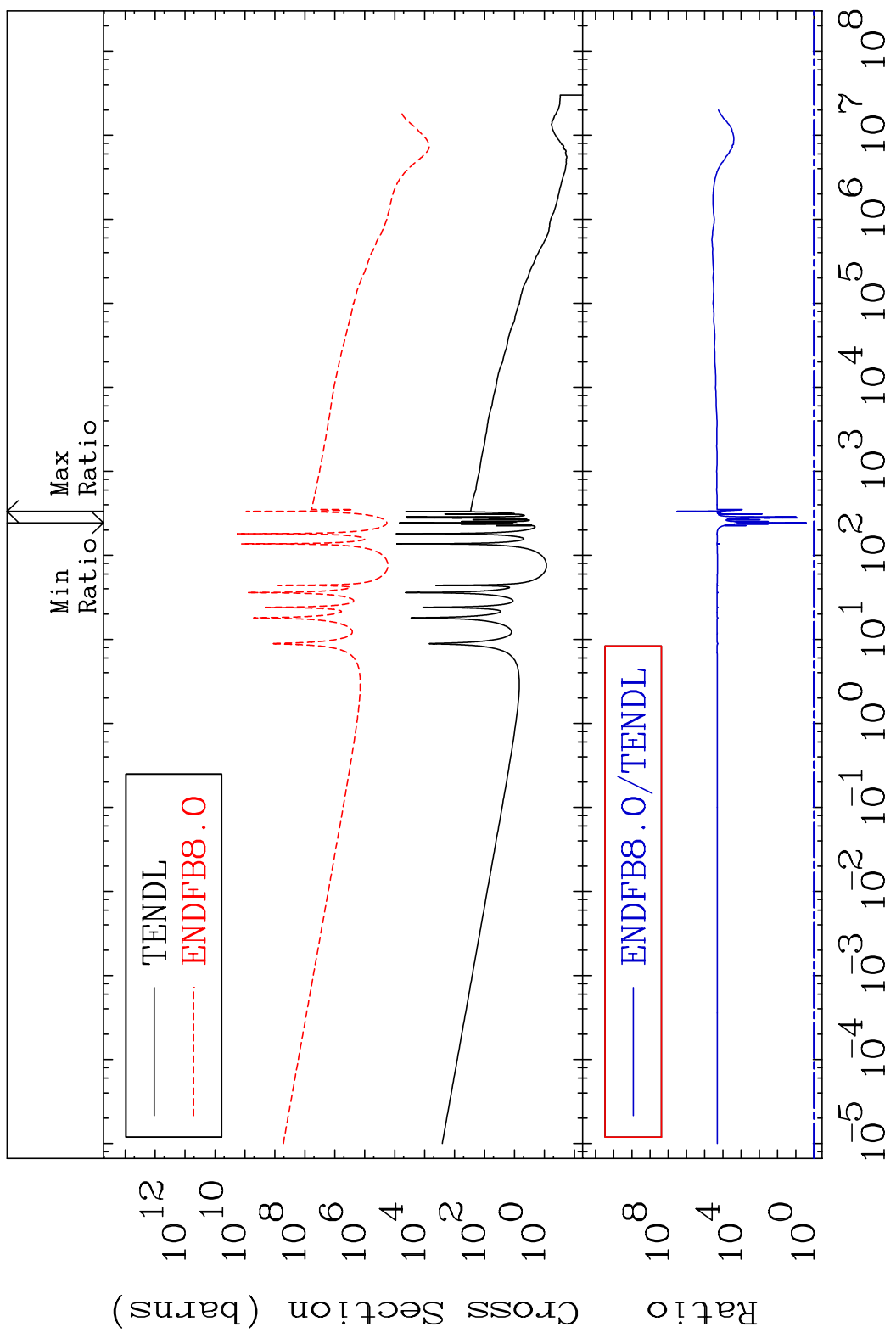


MAT 4446 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-103
 Cross Section 12.68 To 9999. %



MAT 4446

Kerma capture (mt102) 44-Ru-103
Cross Section 160.1 To 9999. %

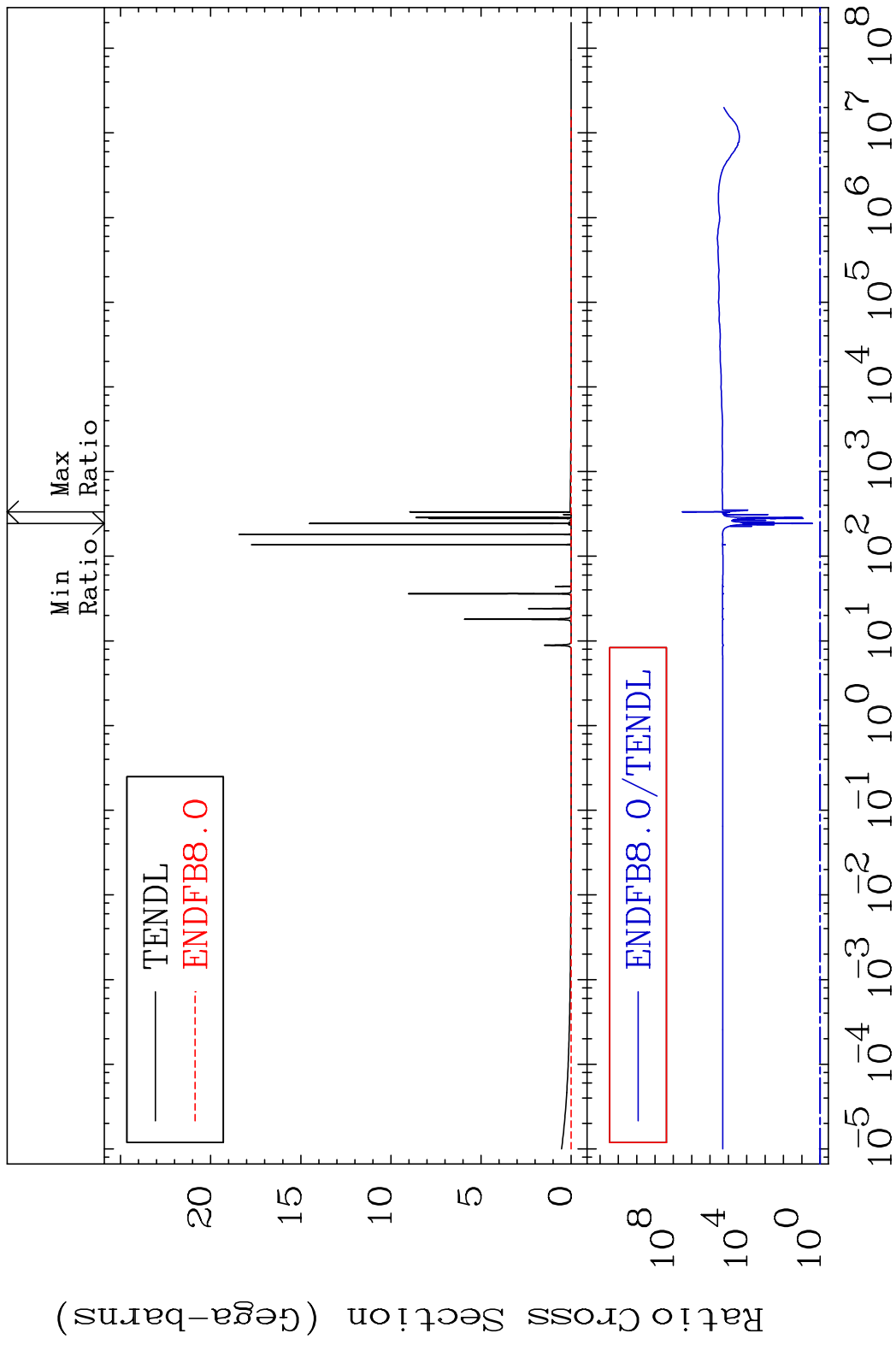


45

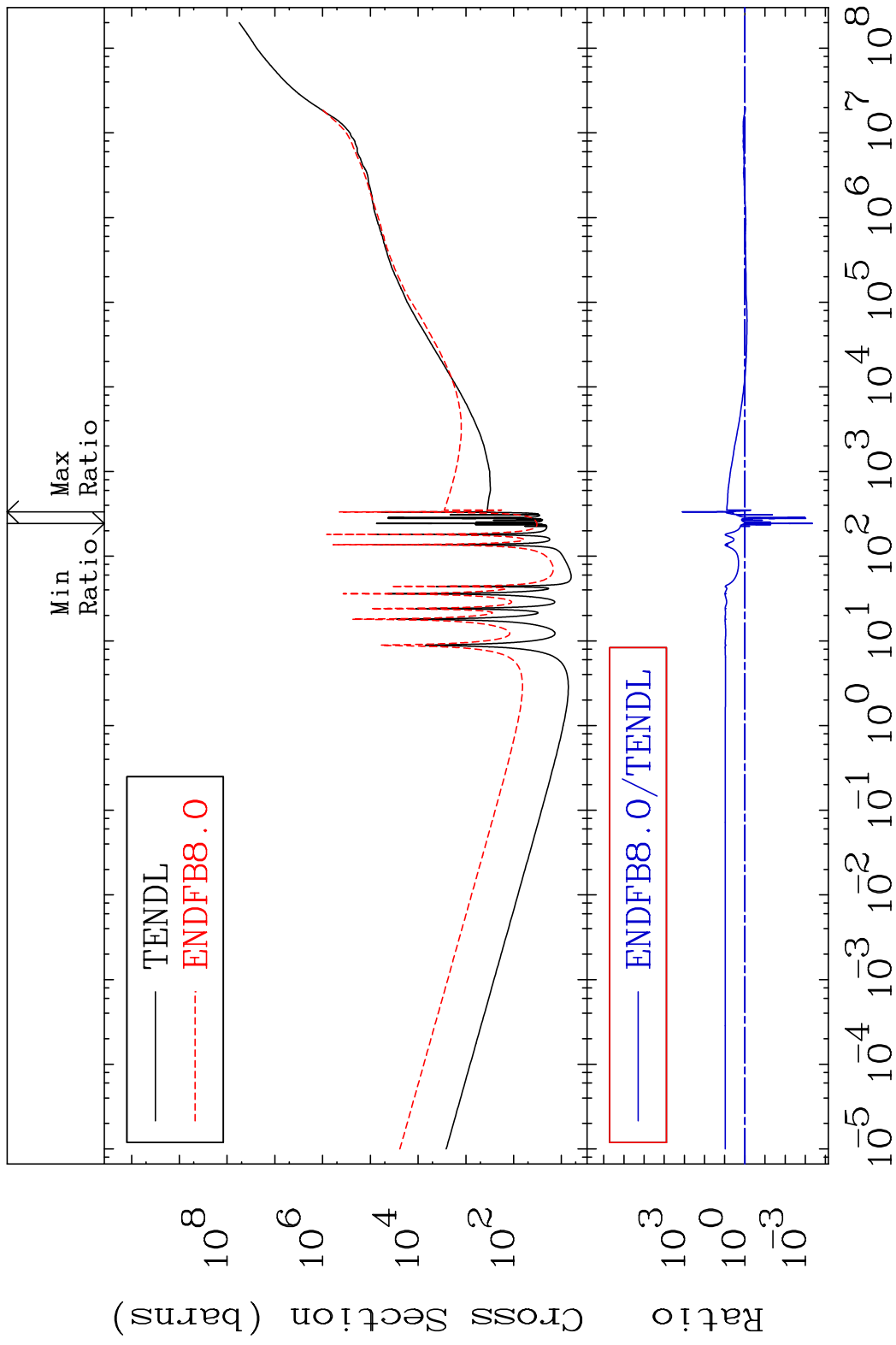
Incident Energy (eV)

44-Ru-103

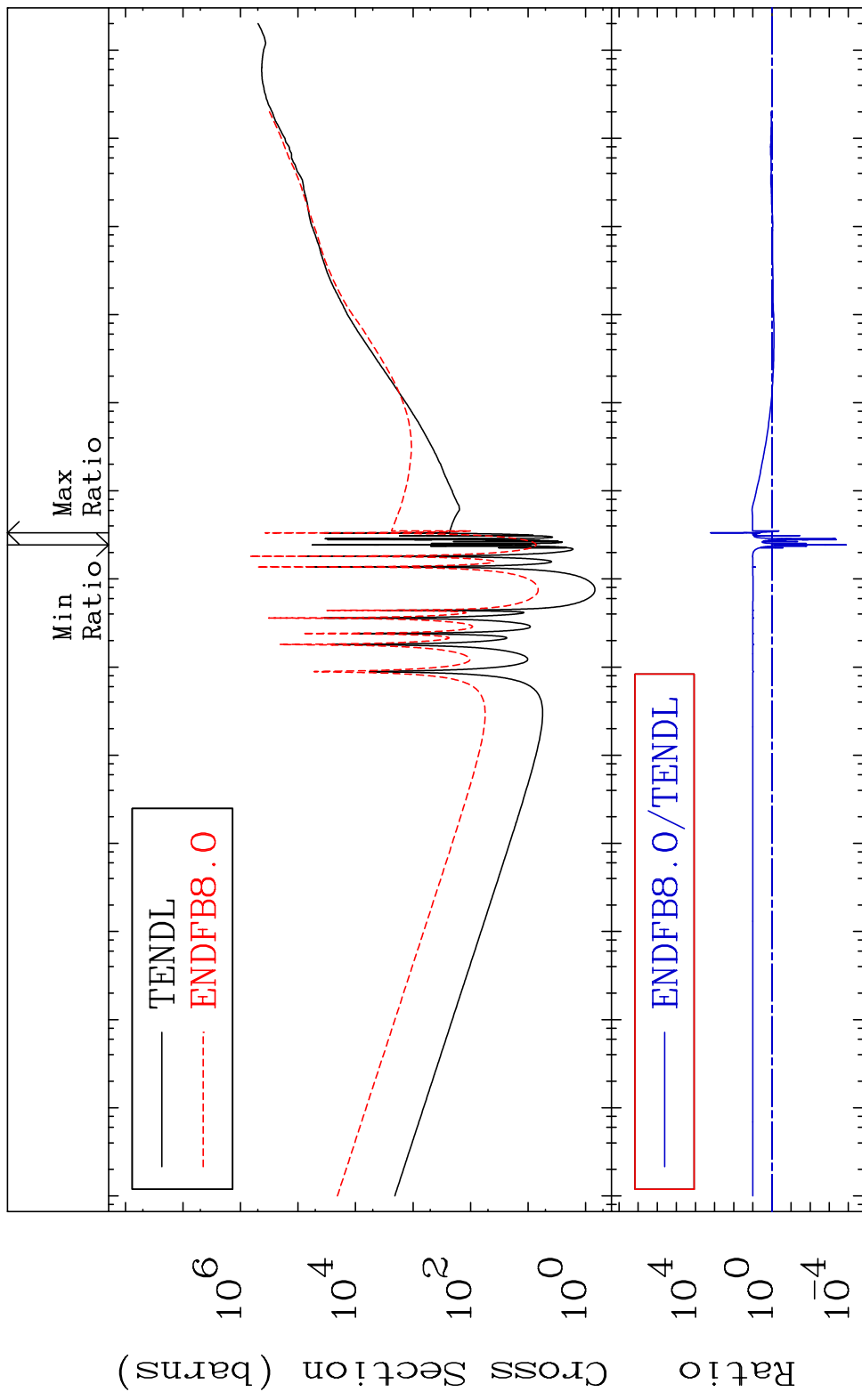
MAT 4446 Total photon (eV-barns) 44-Ru-103
 Cross Section 160.1 To 9999. %



MAT 4446 Total kinematic kerma (high limit) 44-Ru-103
 Cross Section -99.96 To 9999. %



MAT 4446 Dpa total (eV-barns) 44-Ru-103
 Cross Section -99.99 To 9999. %

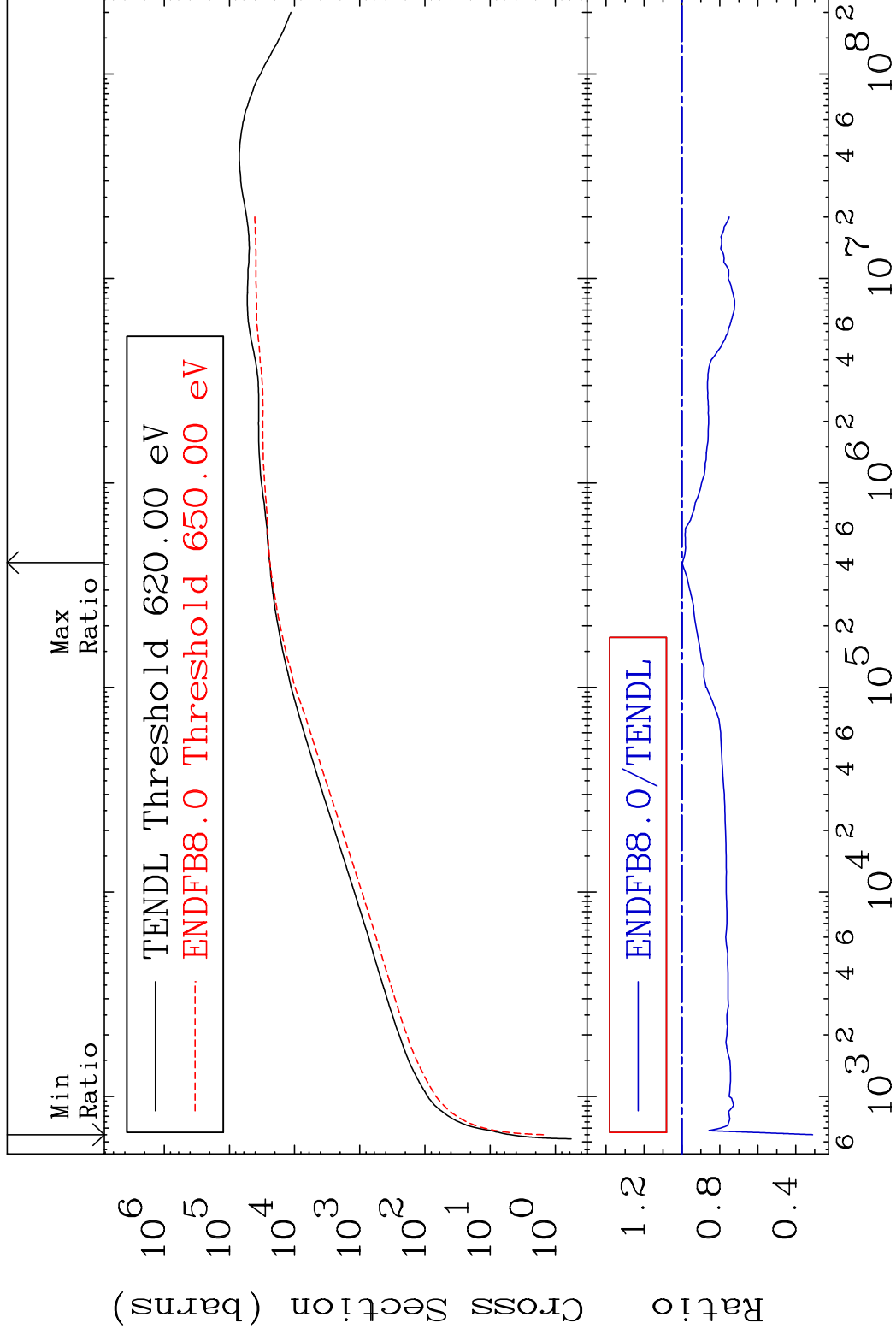


MAT 4446

Dpa elastic (mt2)

44-Ru-103

Cross Section -68.87 To -0.214%

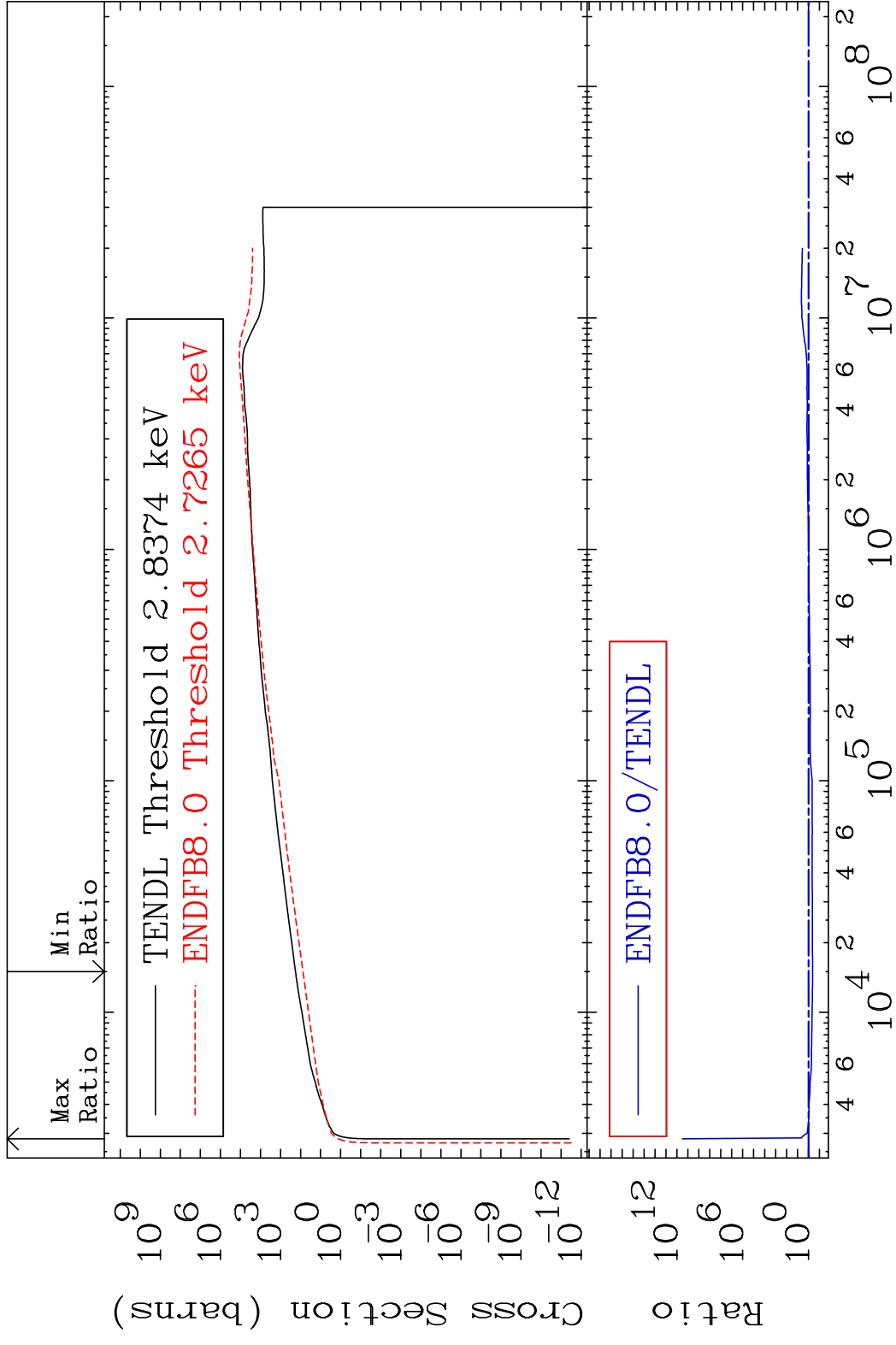


49

Incident Energy (eV)

44-Ru-103

MAT 4446 Dpa inelastic (mt51-91) 44-Ru-103
 Cross Section -57.65 To 9999. %



MAT 4446 Dpa disappearance (mt102 -120) 44-Ru-103
 Cross Section -99.99 To 9999. %

