

Program Complot
(Version 2021-1)

by

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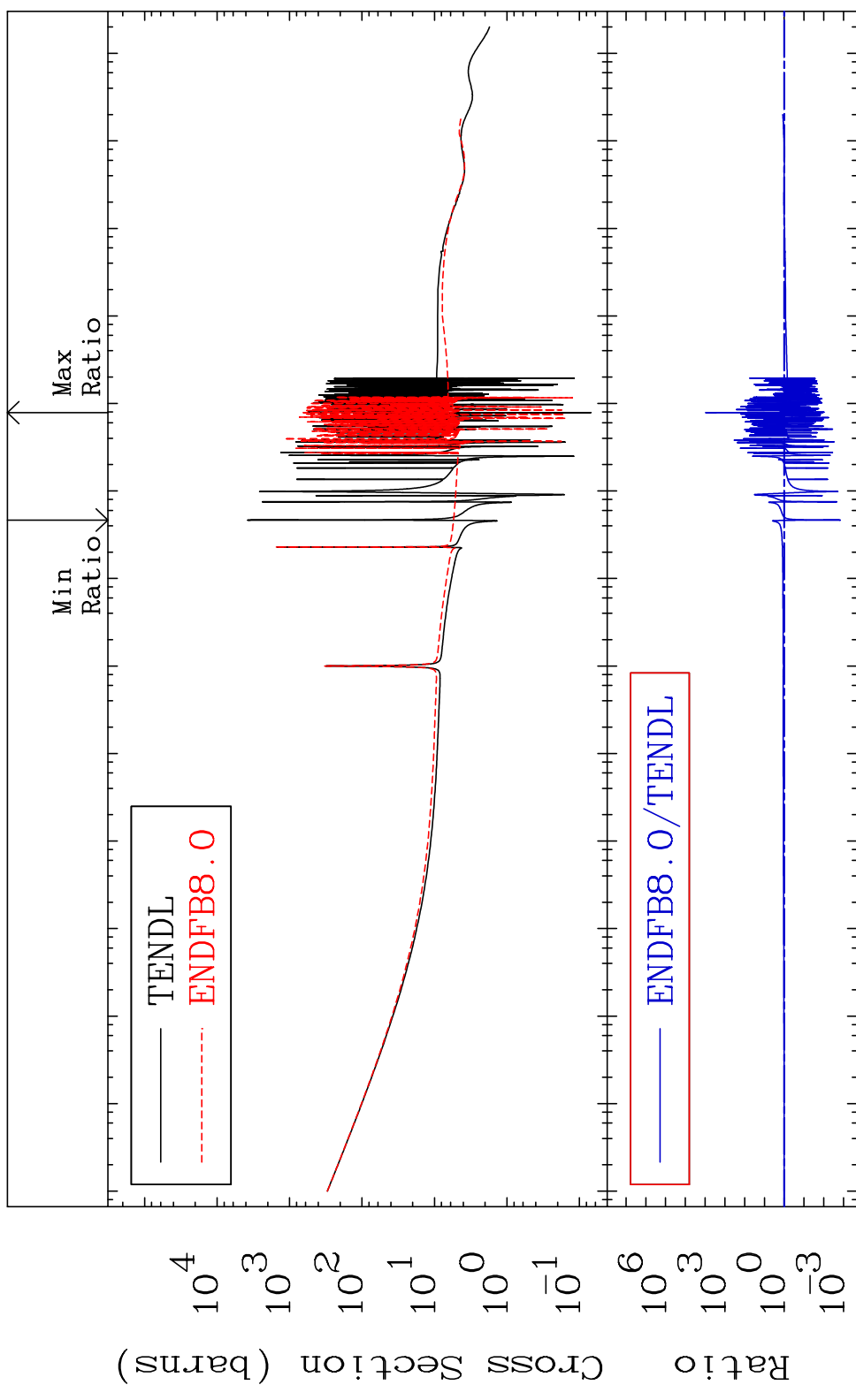
Press Mouse Button to Start

MAT 4437

Total

44-Ru-100

Cross Section -99.86 To 9999. %



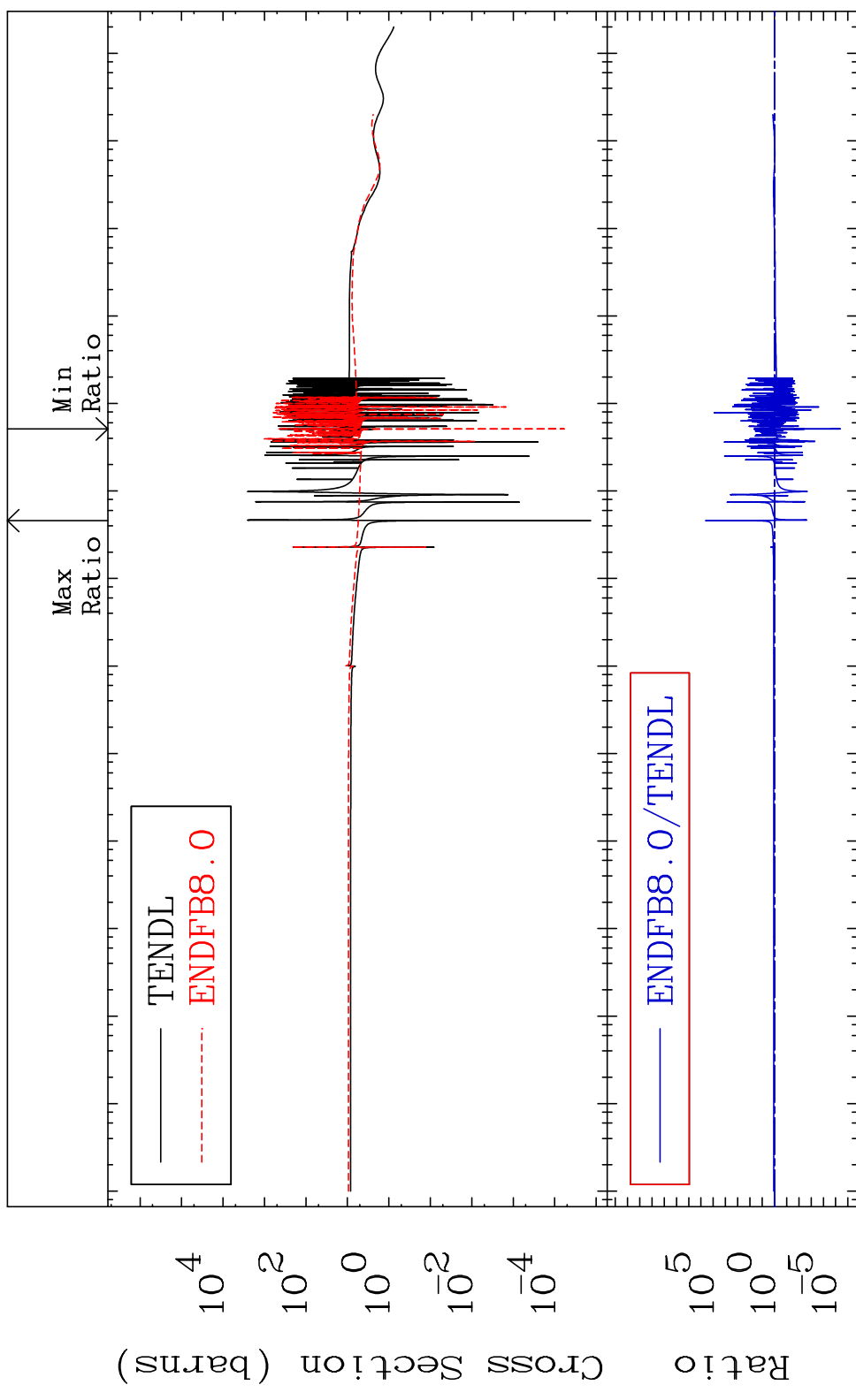
1

Incident Energy (eV)

44-Ru-100

MAT 4437

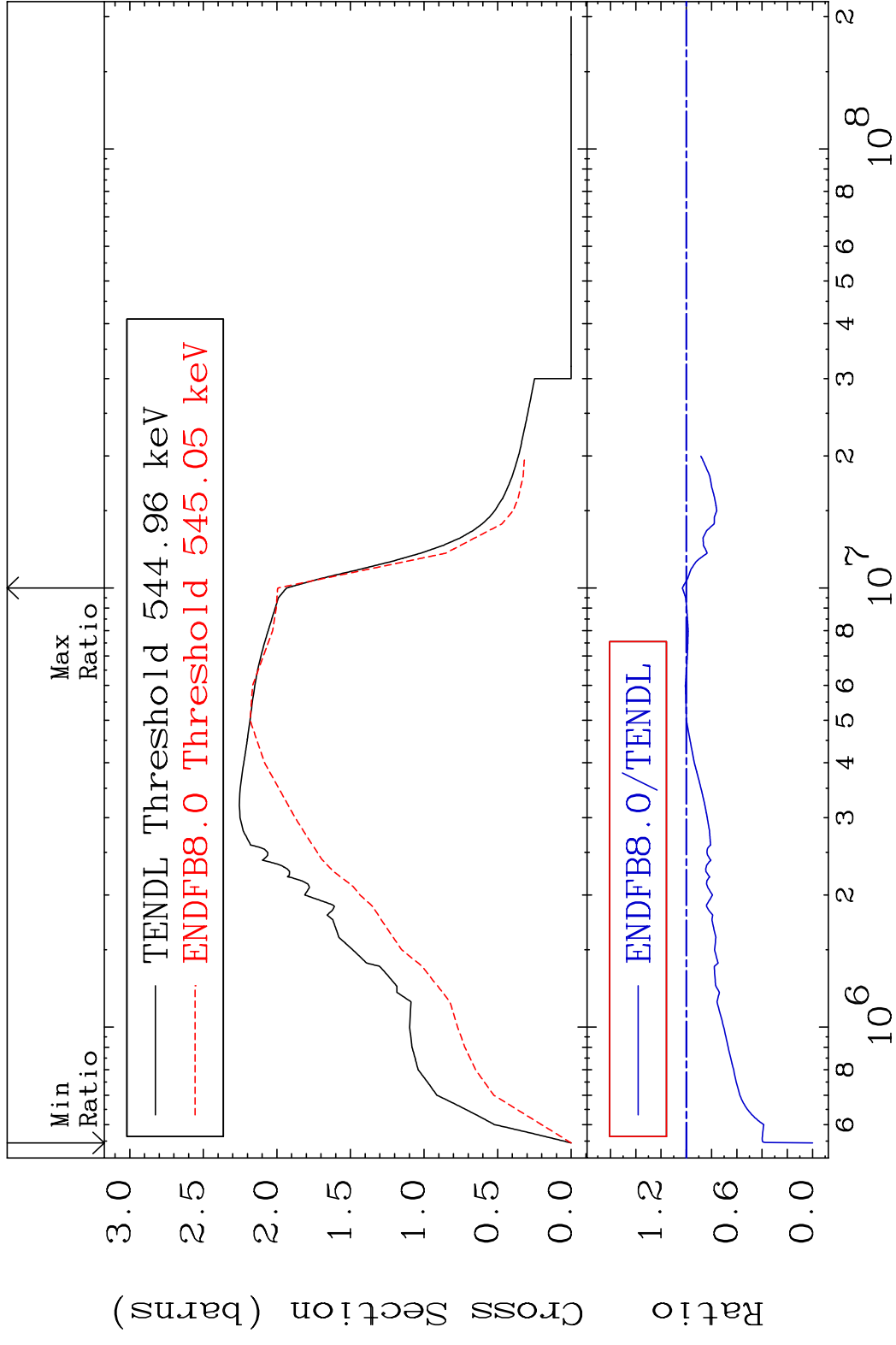
Elastic
Cross Section -100.0 To 9999. %
44-Ru-100



2

Incident Energy (eV) 44-Ru-100

MAT 4437 Inelastic 44-Ru-100
 Cross Section -100.0 To 3.108 %

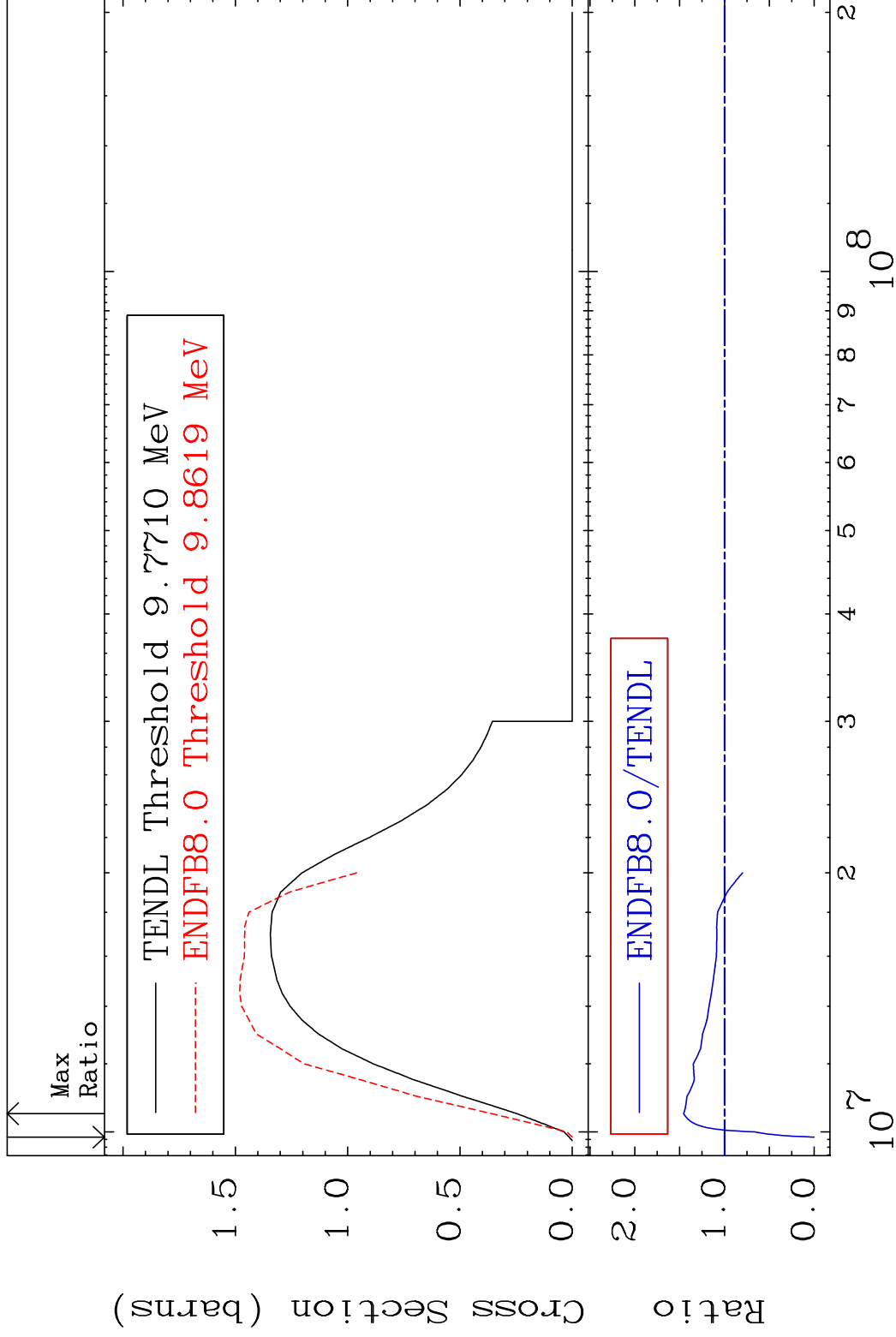


MAT 4437

(n,2n)

44-Ru-100

Cross Section -100.0 To 45.55 %



4

Incident Energy (eV)

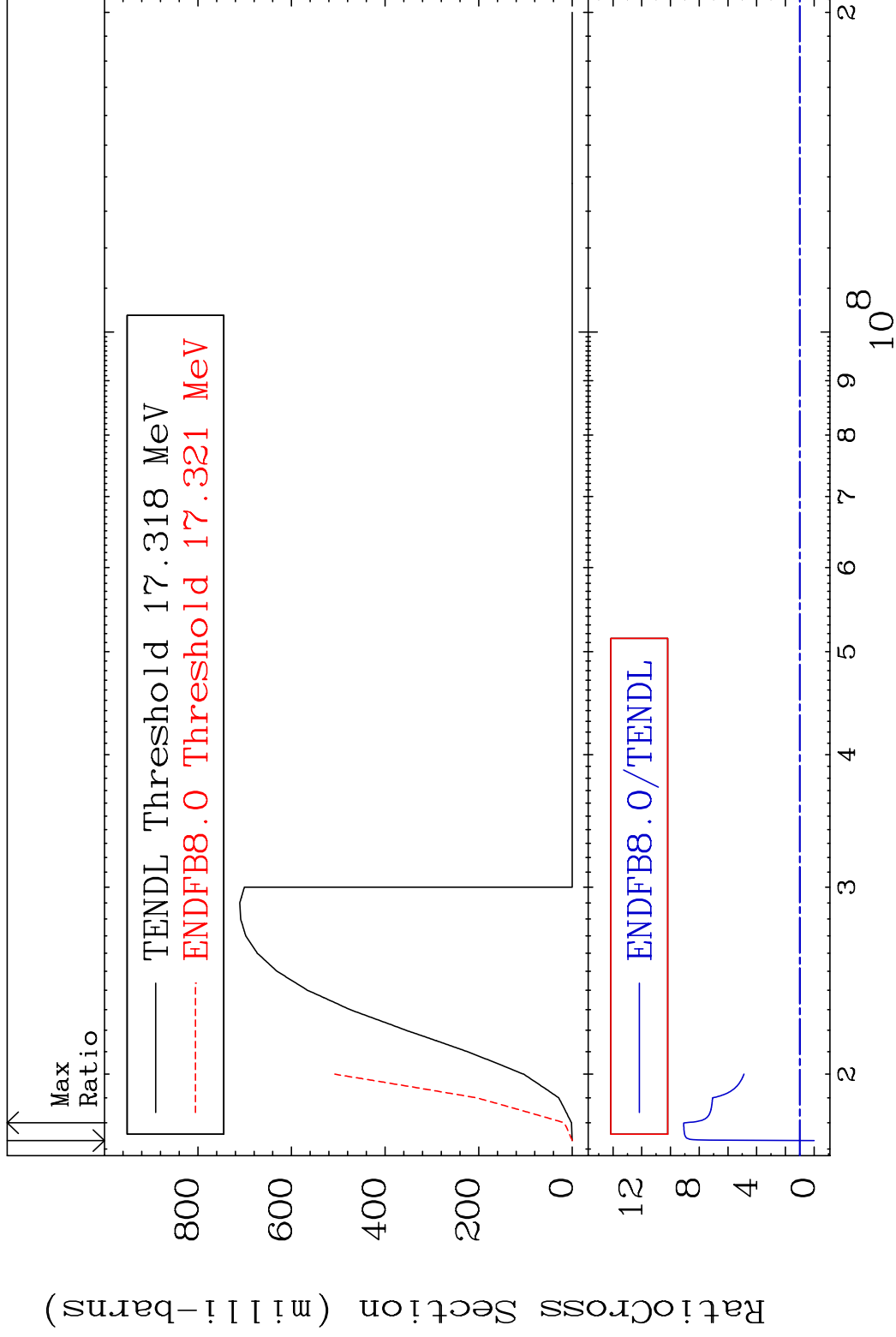
44-Ru-100

MAT 4437

(n,3n)

44-Ru-100

Cross Section -100.0 To 808.2 %

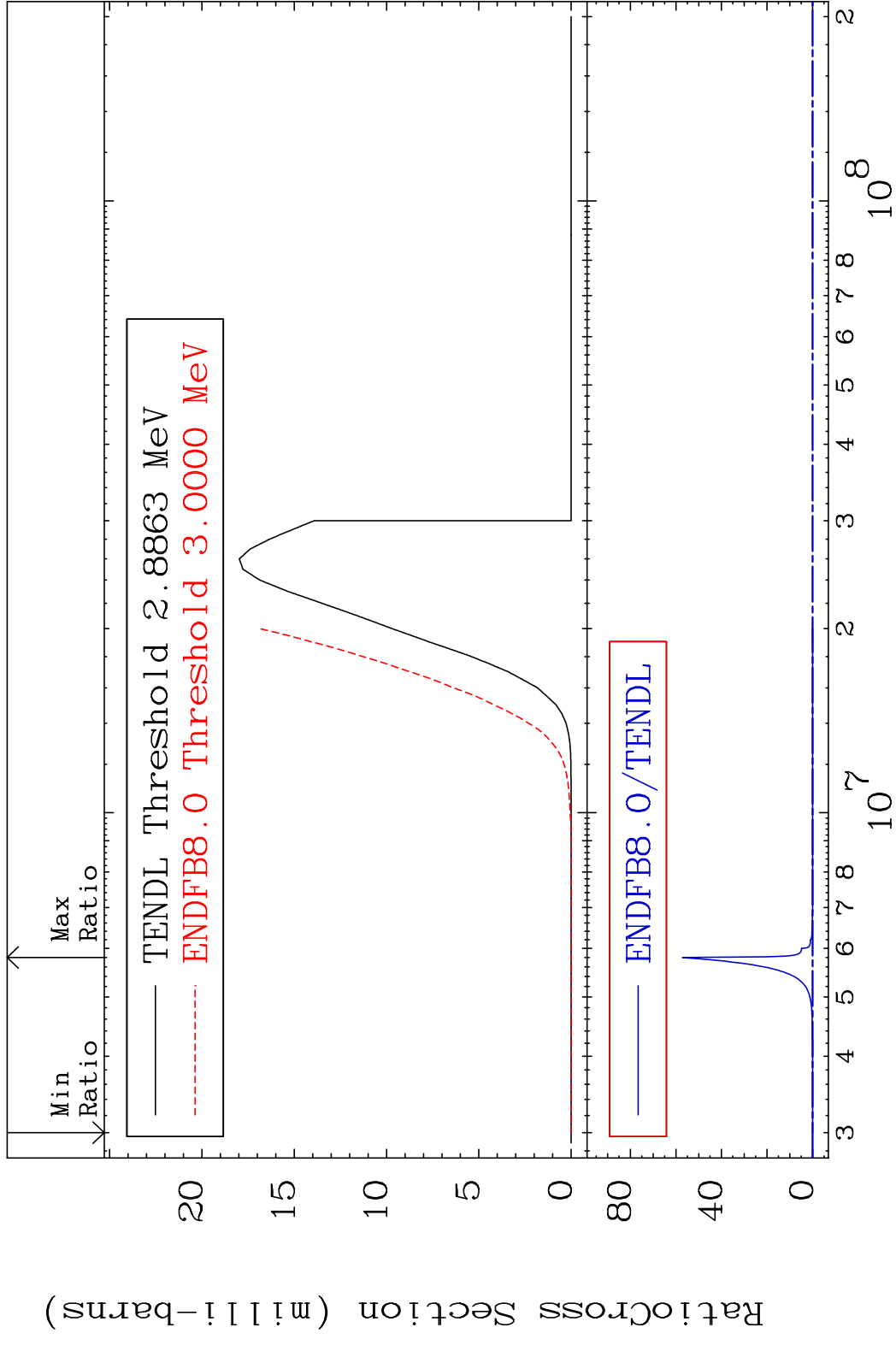


5

Incident Energy (eV)

44-Ru-100

MAT 4437 (n, n') α 44-Ru-100
 Cross Section -100.0 To 9999. %

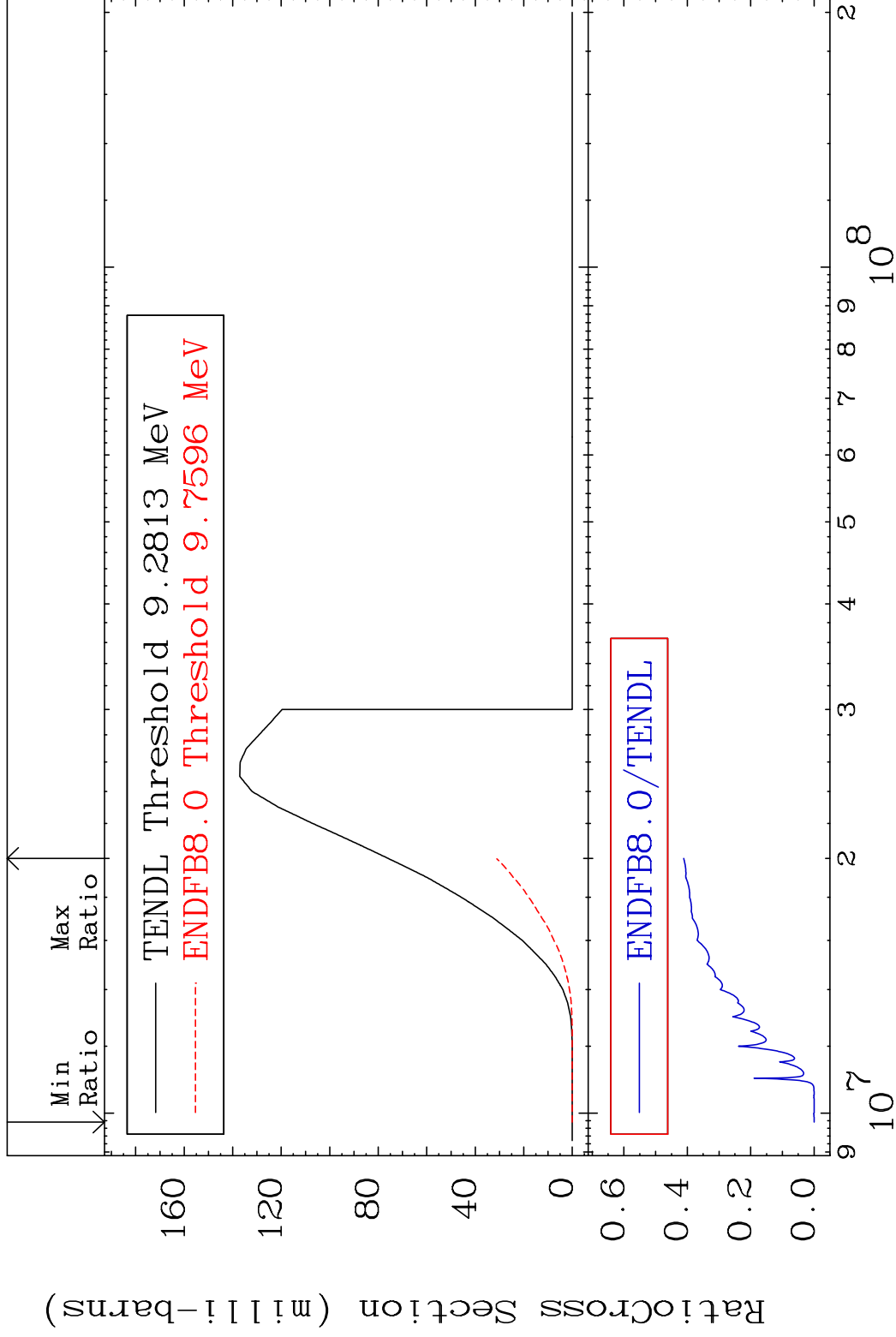


MAT 4437

(n, n') p

44-Ru-100

Cross Section -100.0 To -58.85%



7

Incident Energy (eV)

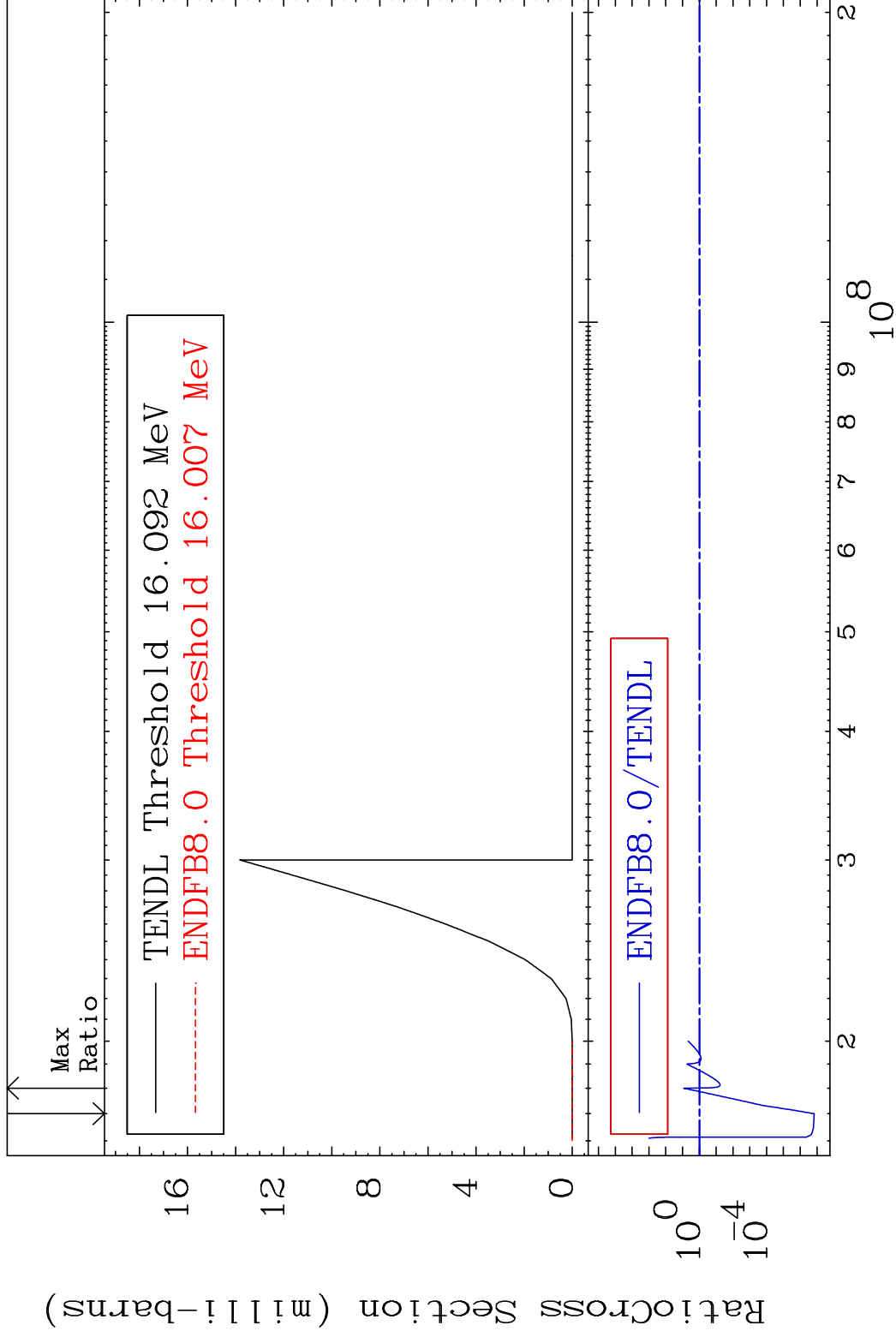
44-Ru-100

MAT 4437

(n, n') d

44-Ru-100

Cross Section -100.0 To 758.8 %

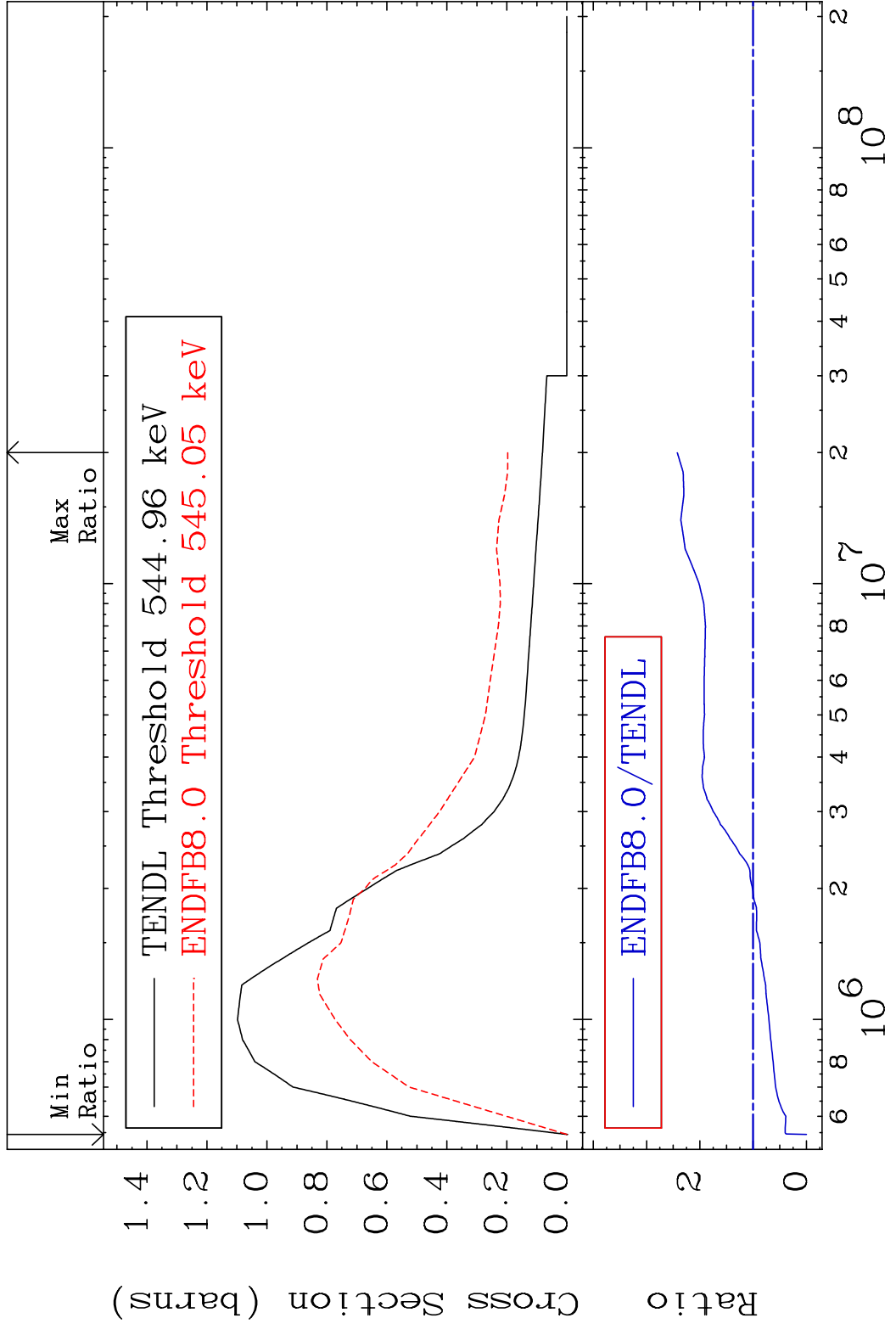


8

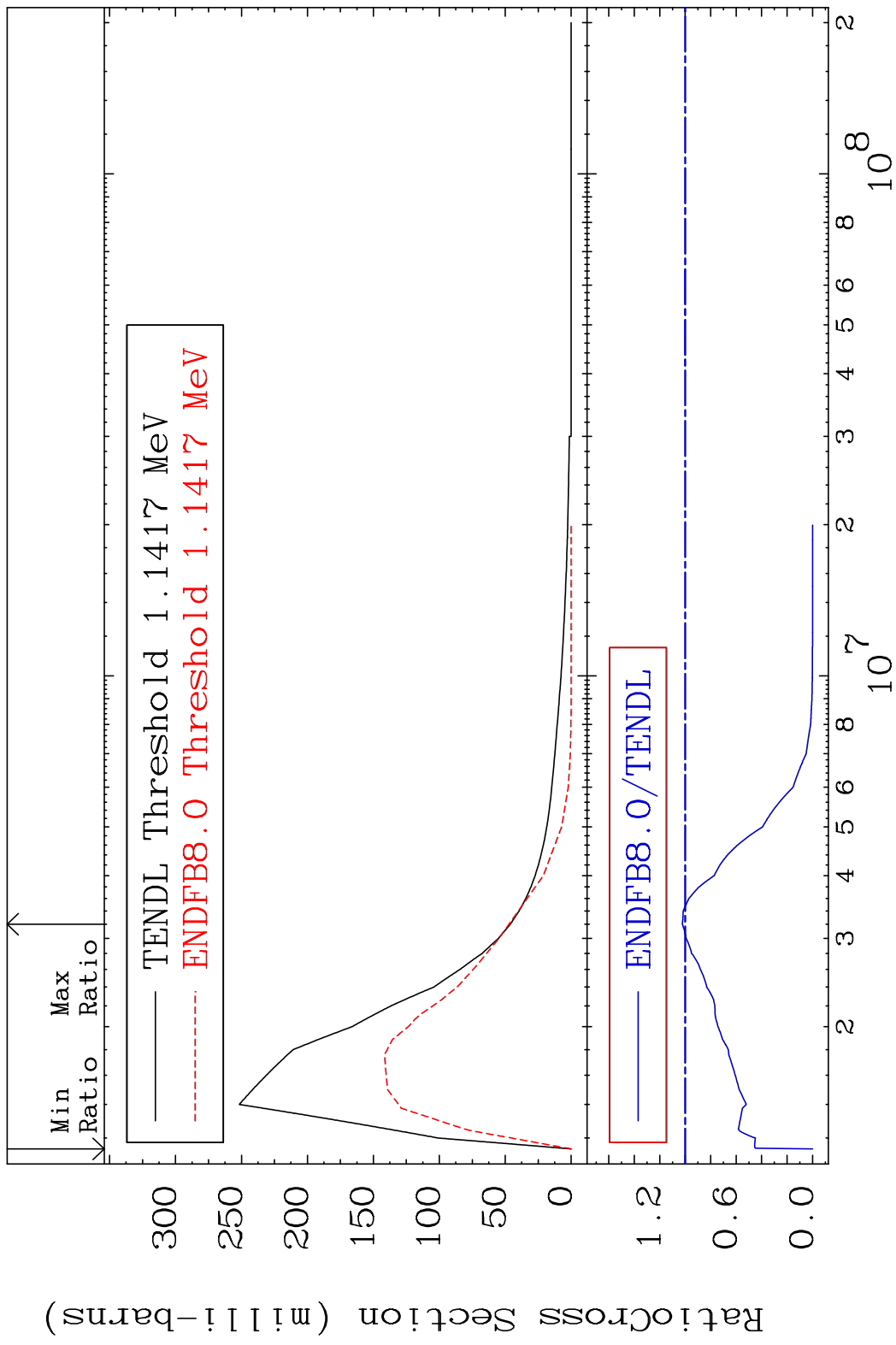
Incident Energy (eV)

44-Ru-100

MAT 4437 MT= 51 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 142.6 %

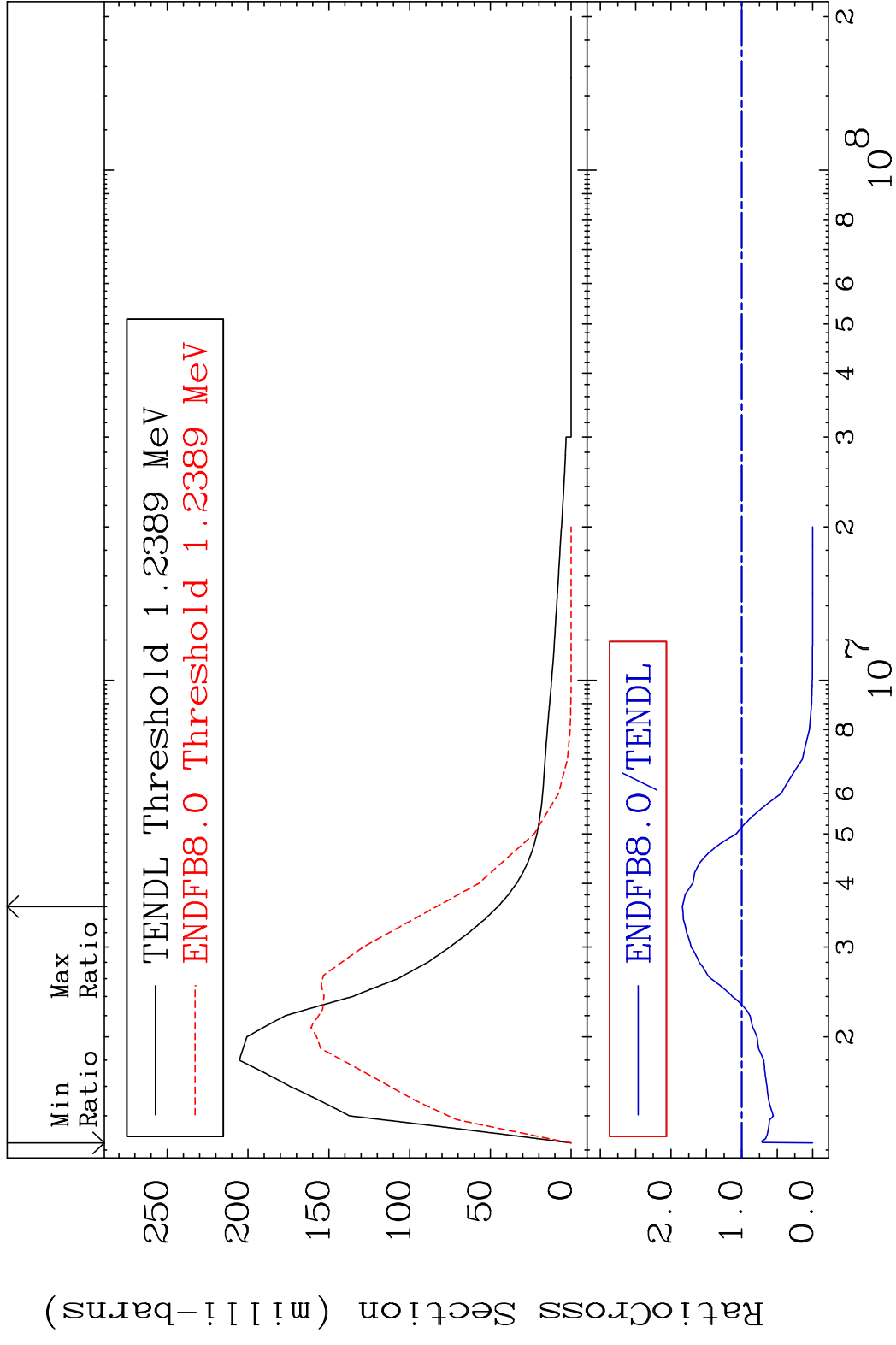


MAT 4437 MT= 52 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 2.260 %

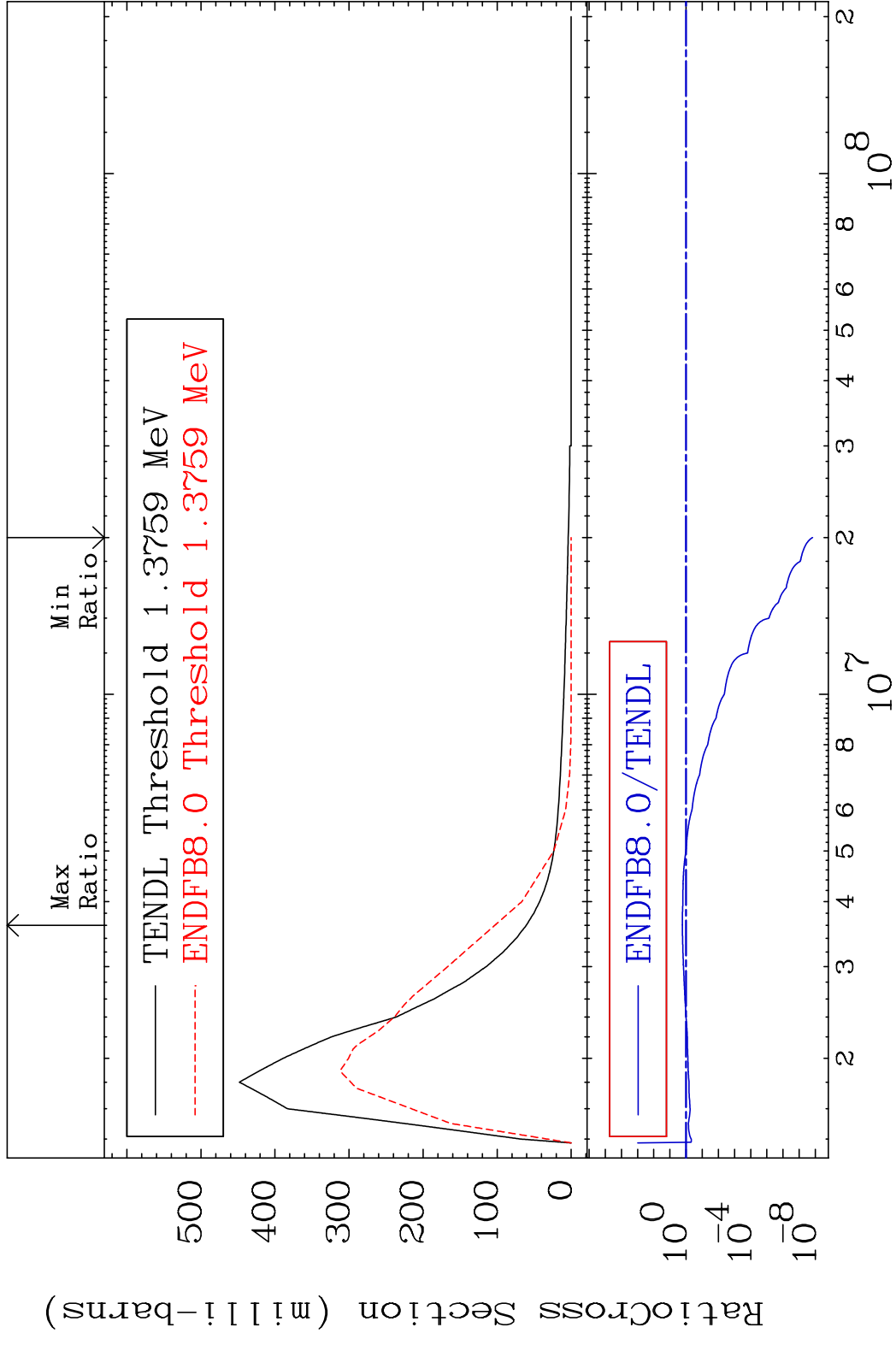


10 Incident Energy (eV) 44-Ru-100

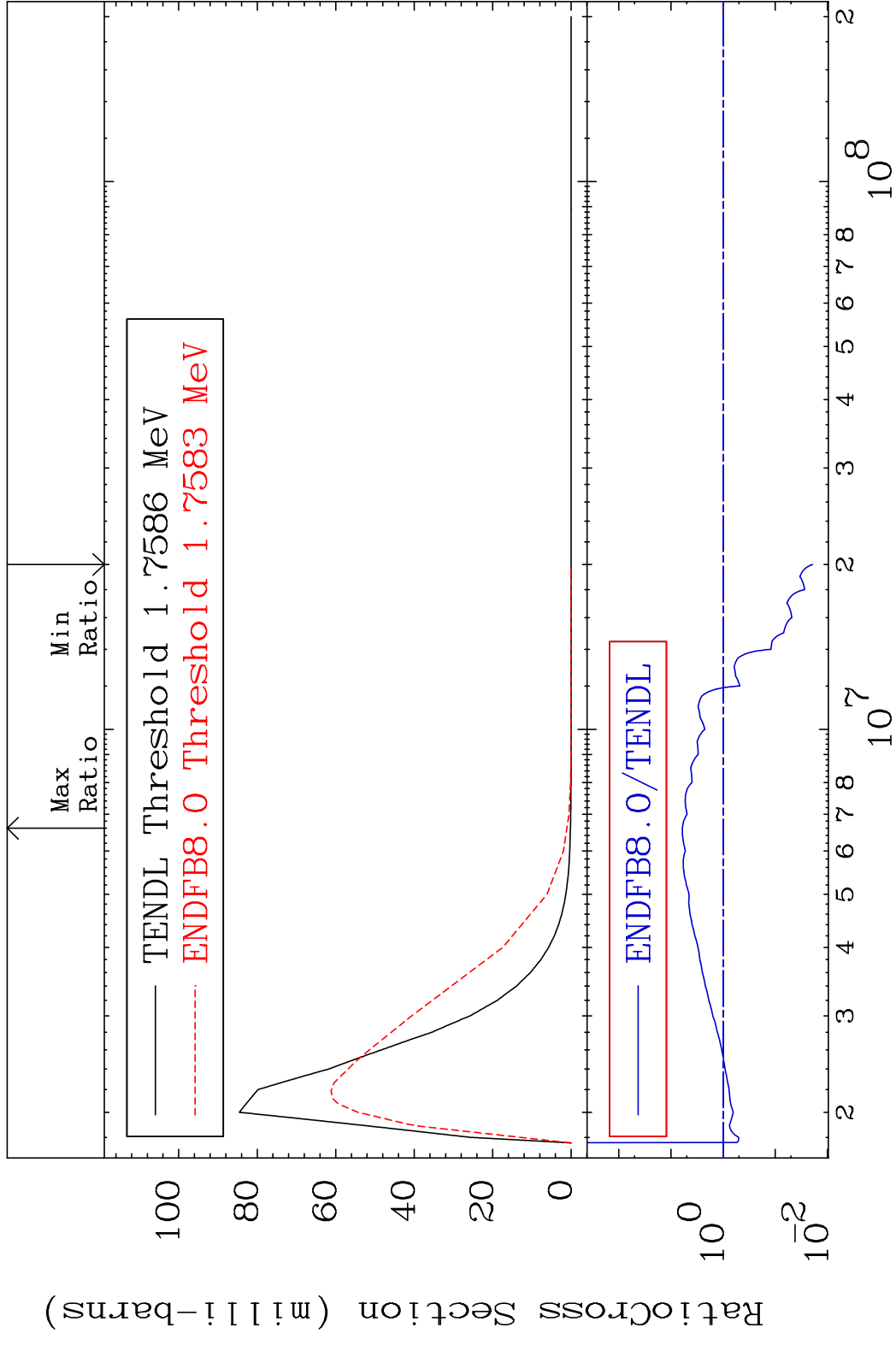
MAT 4437 MT= 53 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 83.96 %



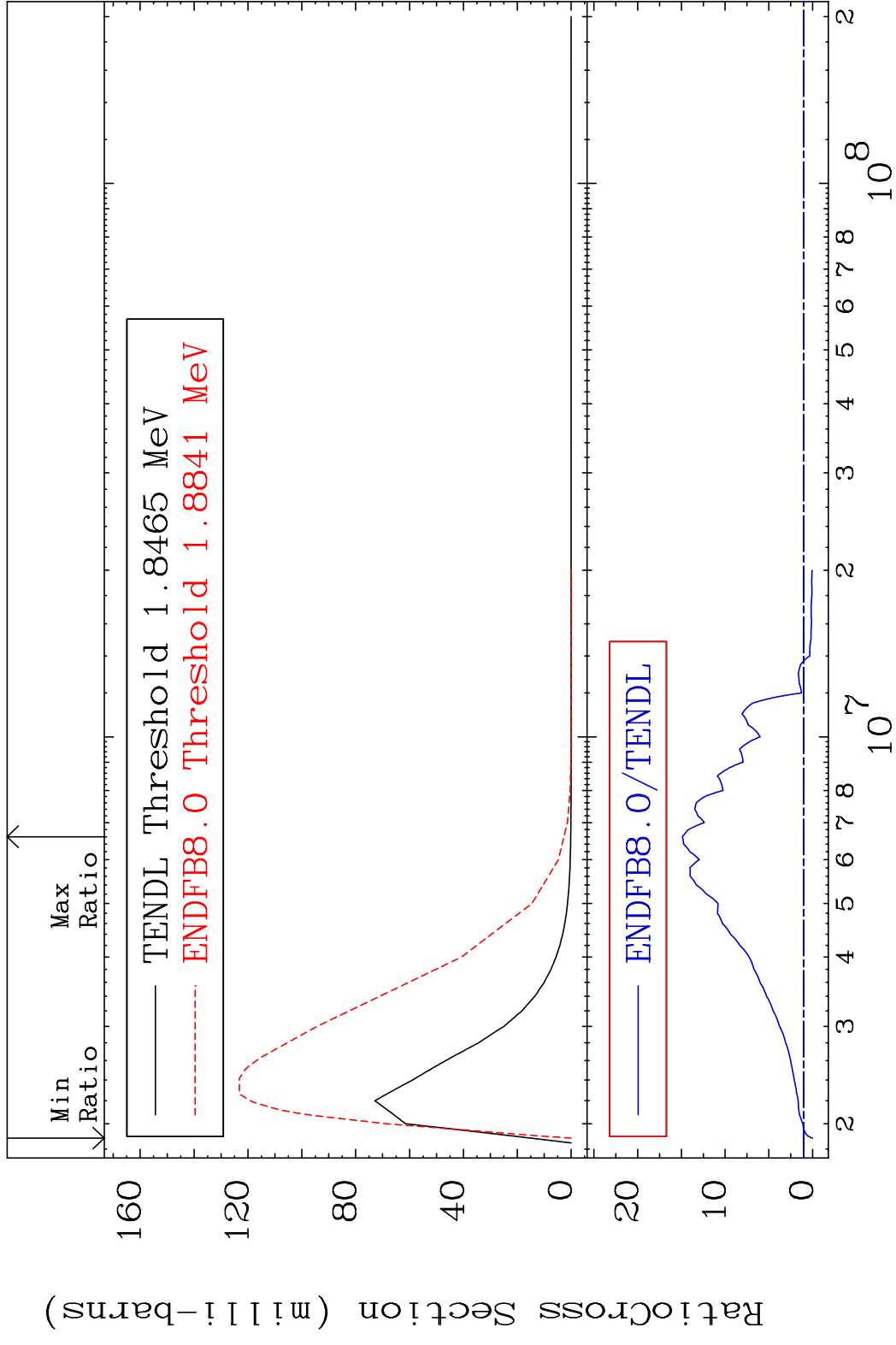
MAT 4437 MT= 54 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 70.11 %



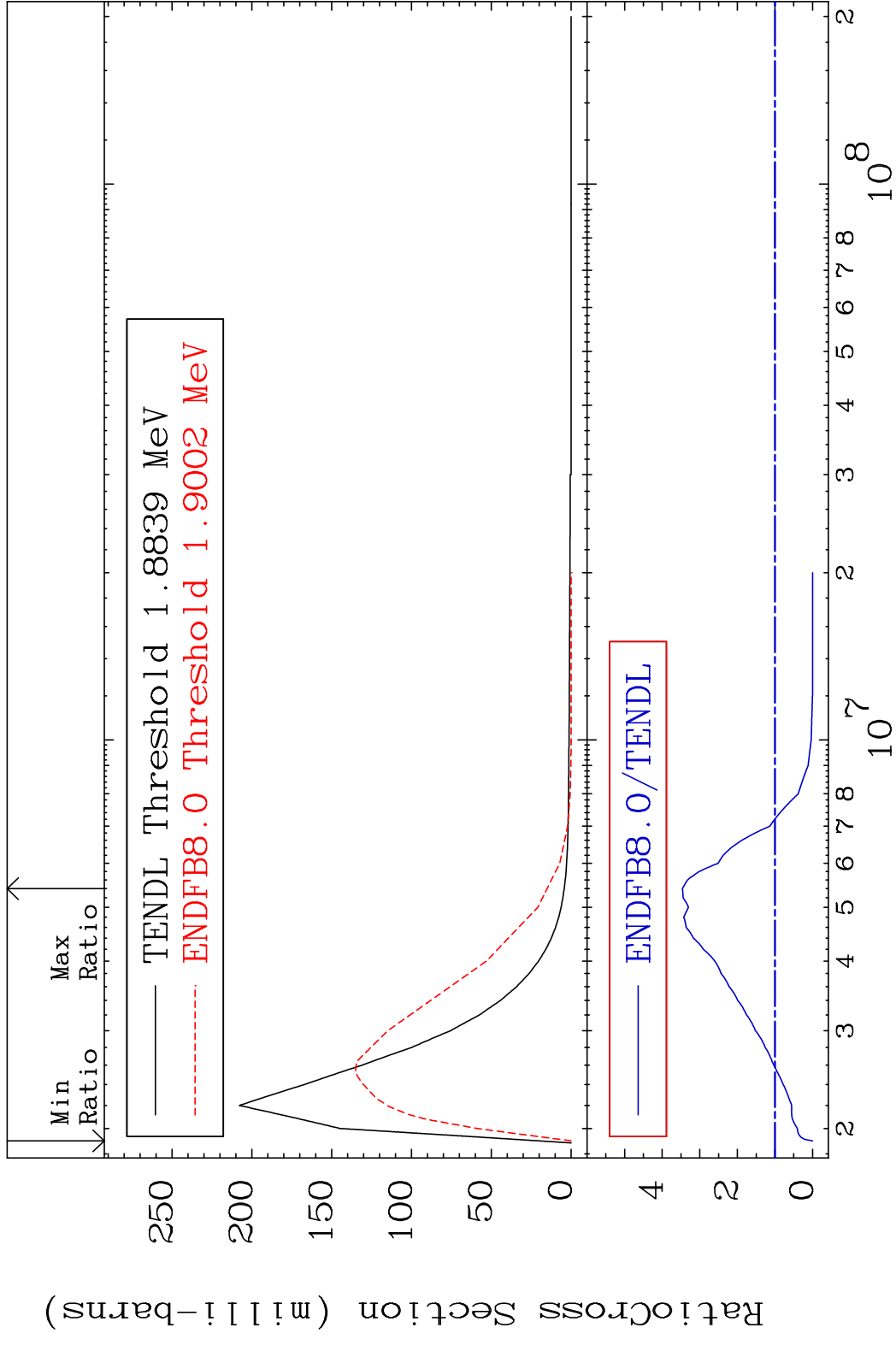
MAT 4437 MT= 55 (n, n') Level 44-Ru-100
 Cross Section -98.07 To 505.5 %



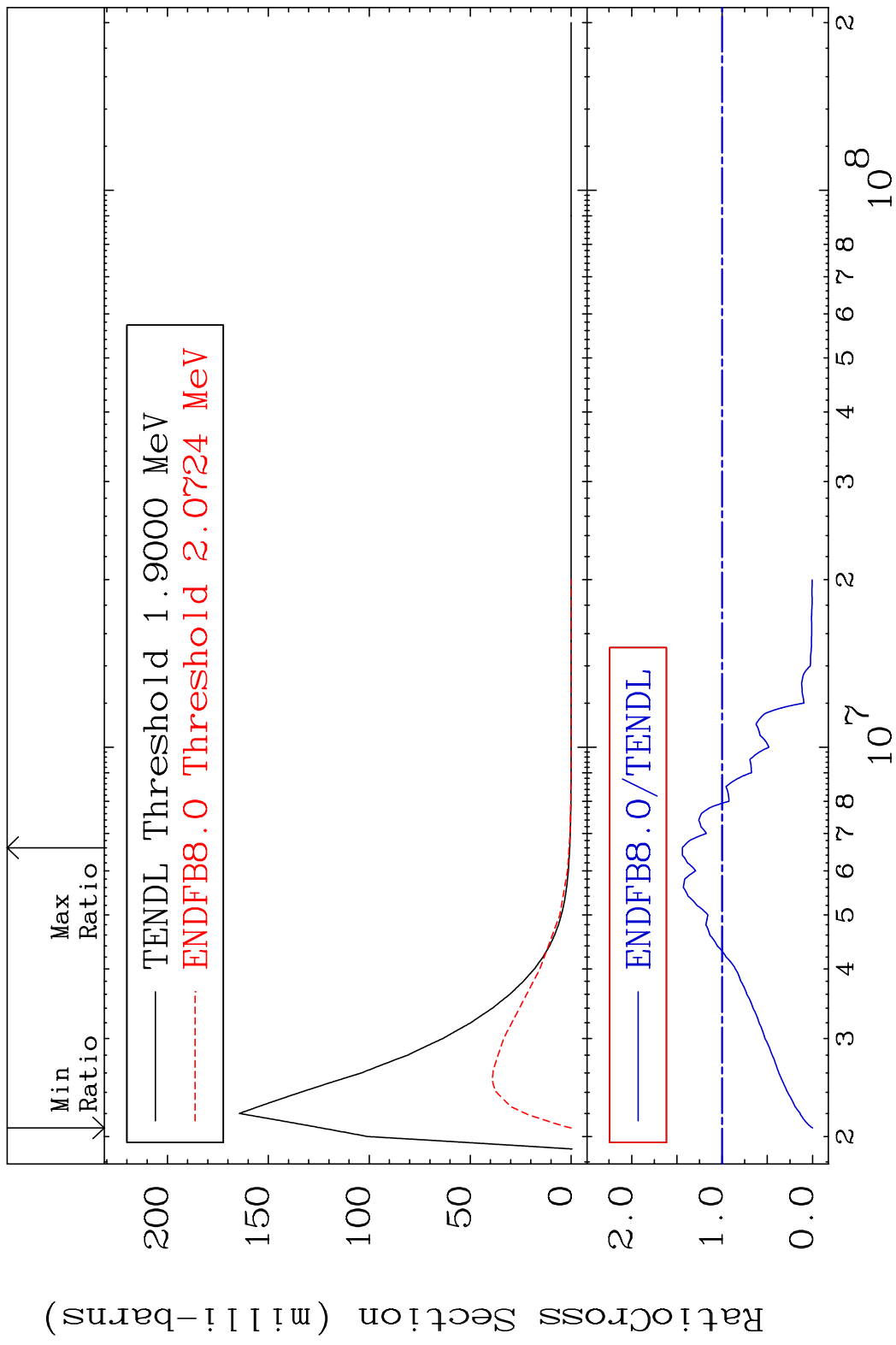
MAT 4437 MT= 56 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 1389. %



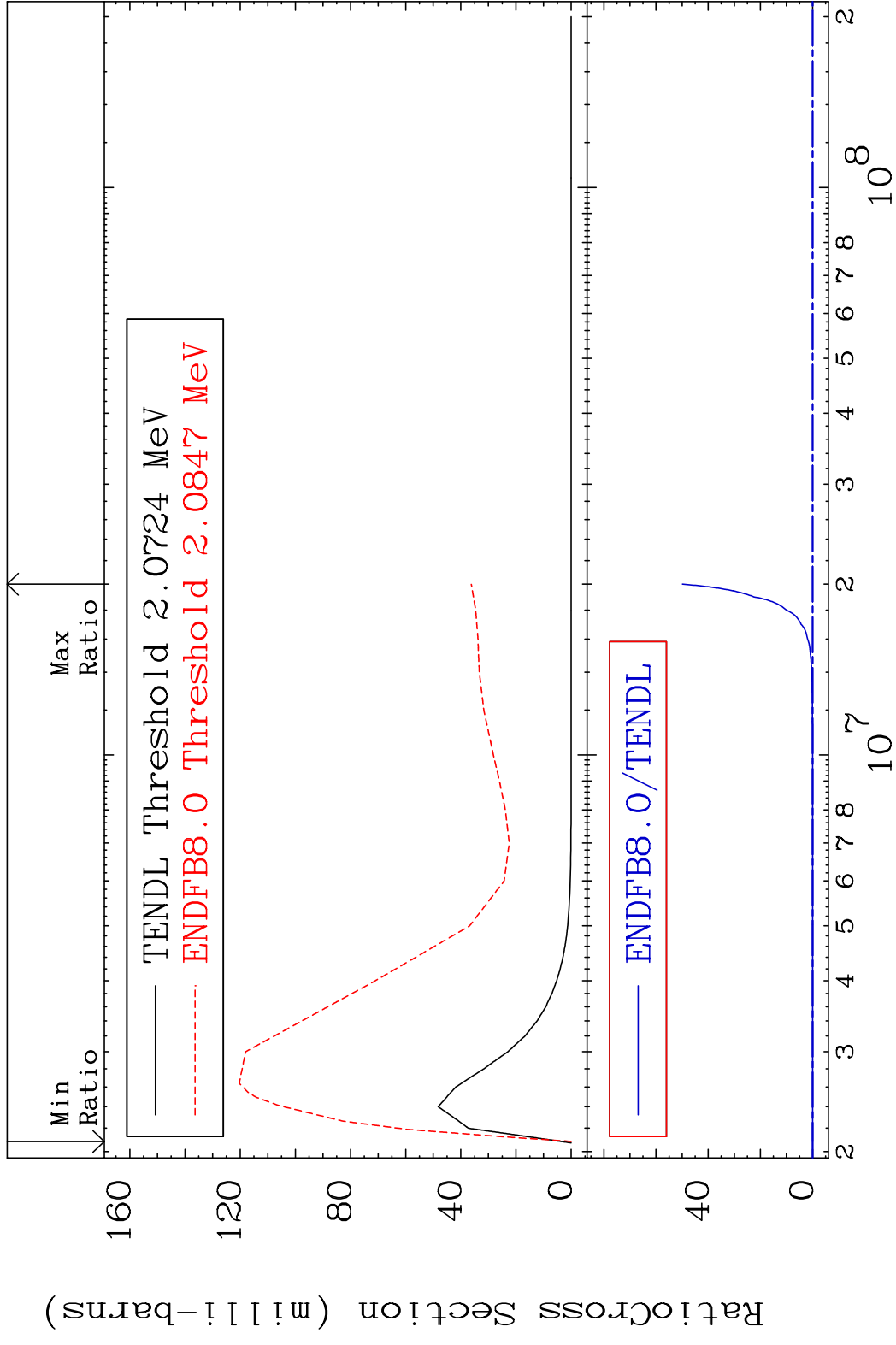
MAT 4437 MT= 57 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 246.4 %



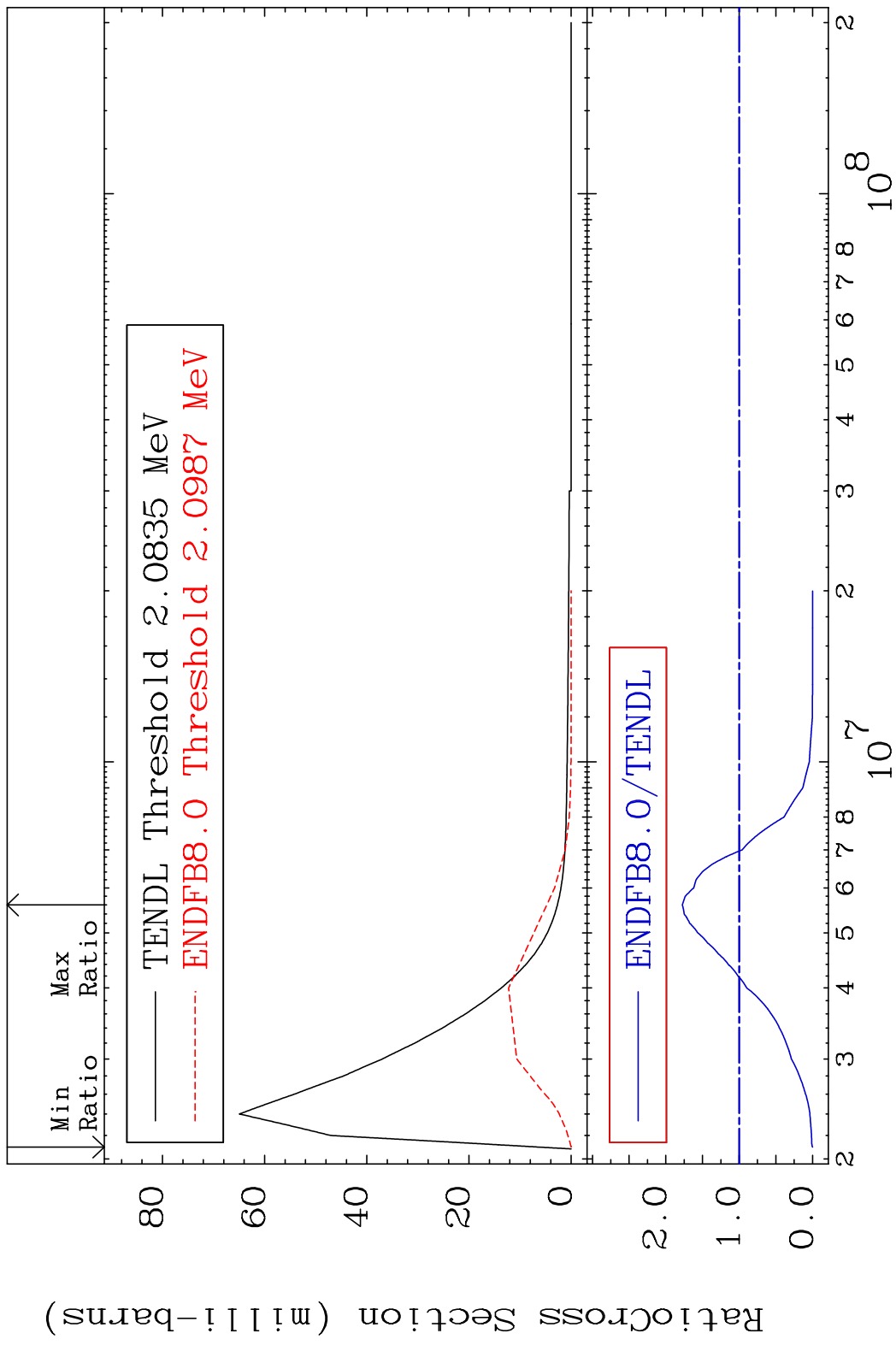
MAT 4437 MT= 58 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 43.96 %



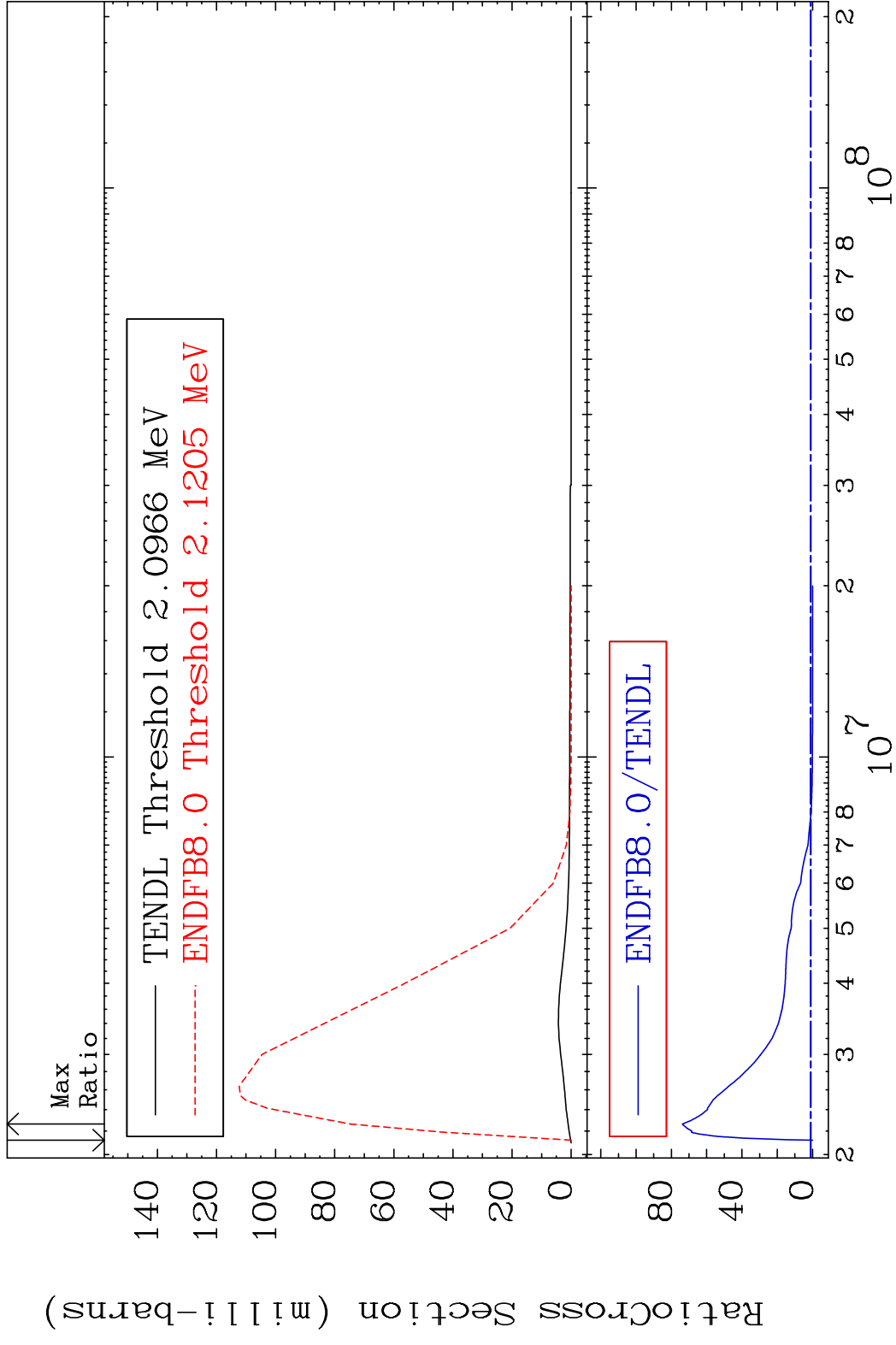
MAT 4437 MT= 59 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



MAT 4437 MT= 60 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 77.47 %



MAT 4437 MT= 61 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 7278. %

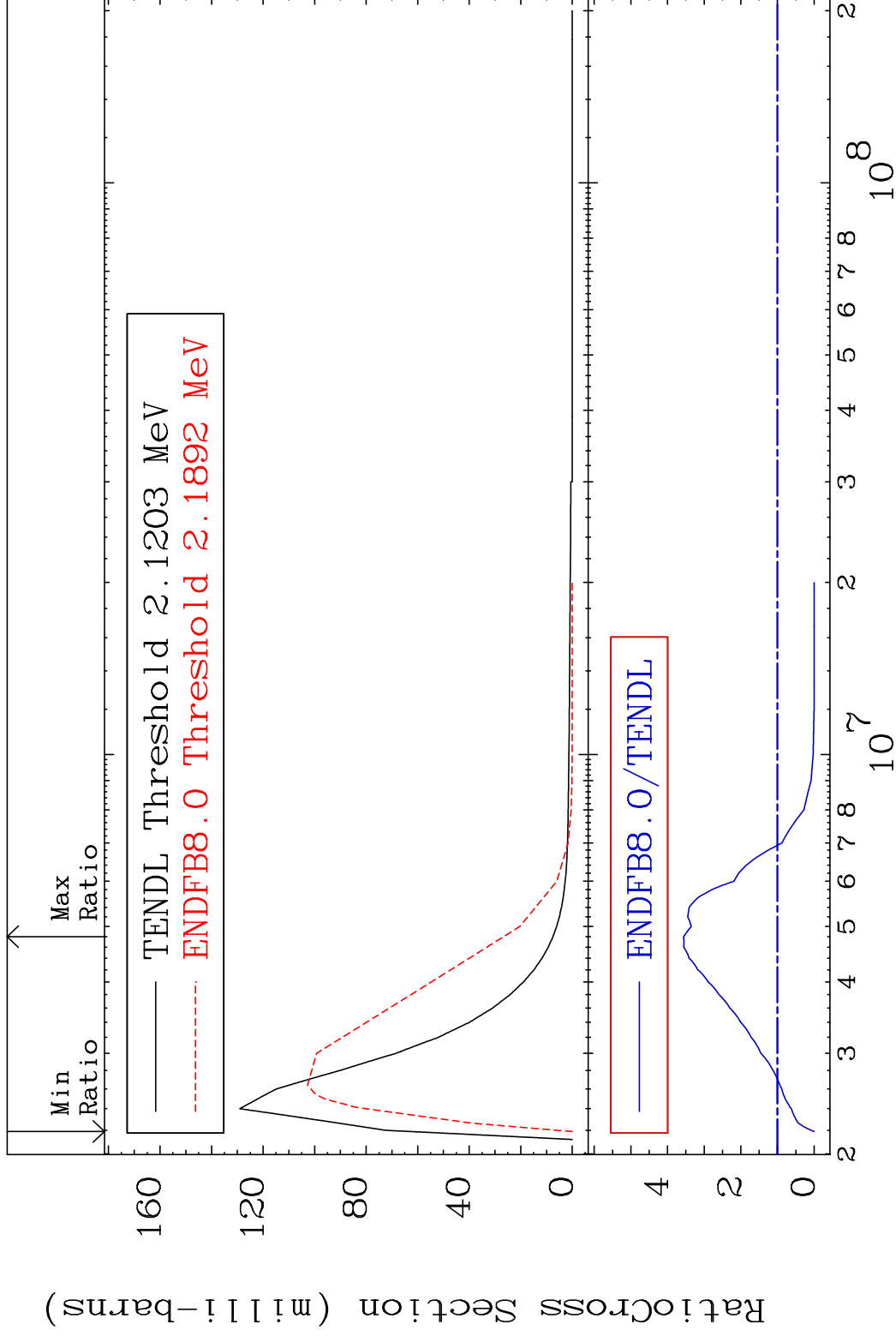


MAT 4437

MT= 62 (n, n') Level

44-Ru-100

Cross Section -100.0 To 256.0 %

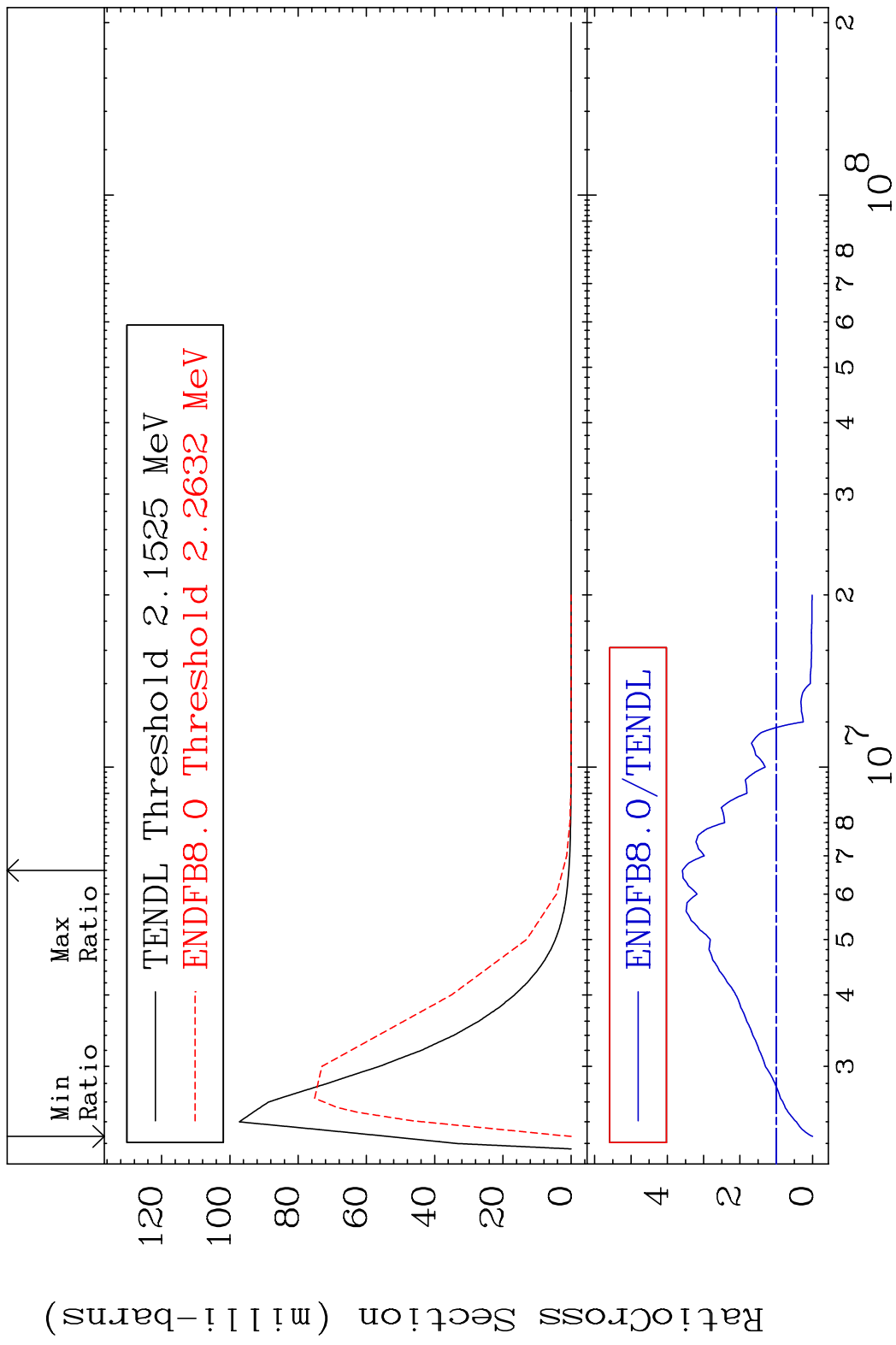


20

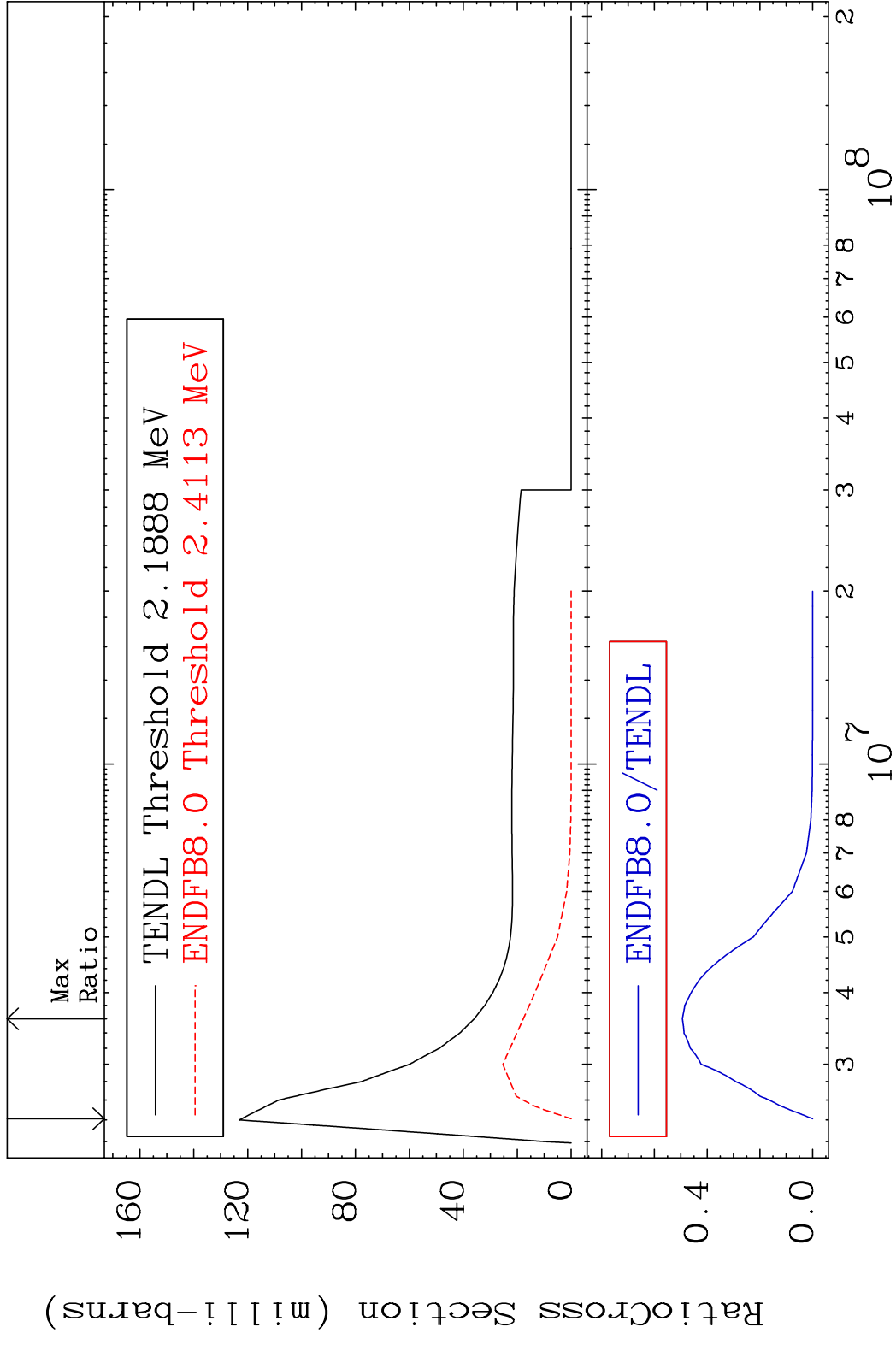
Incident Energy (eV)

44-Ru-100

MAT 4437 MT= 63 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 258.6 %

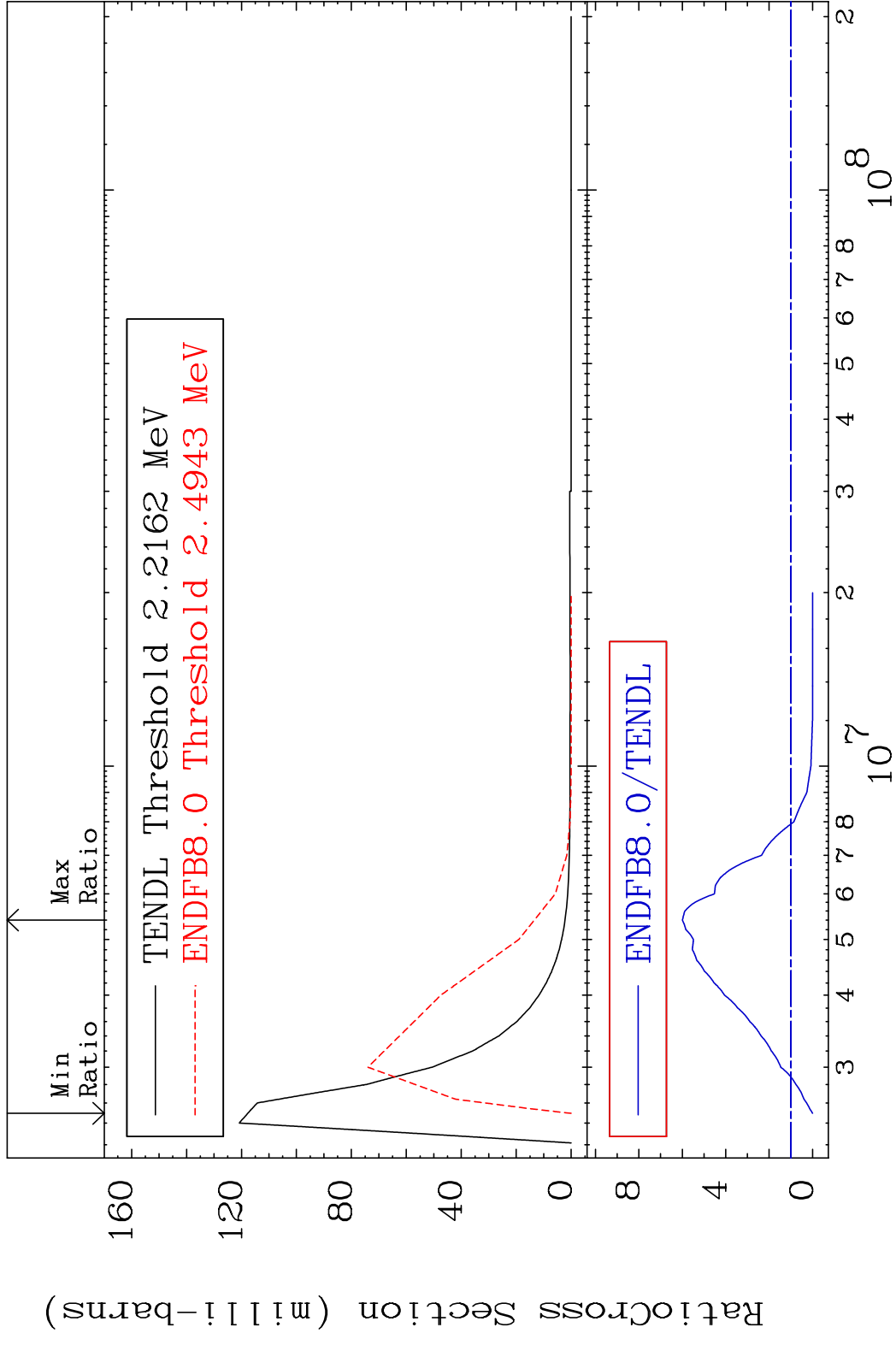


MAT 4437 MT= 64 (n, n') Level 44-Ru-100
 Cross Section -100.0 To -50.59%

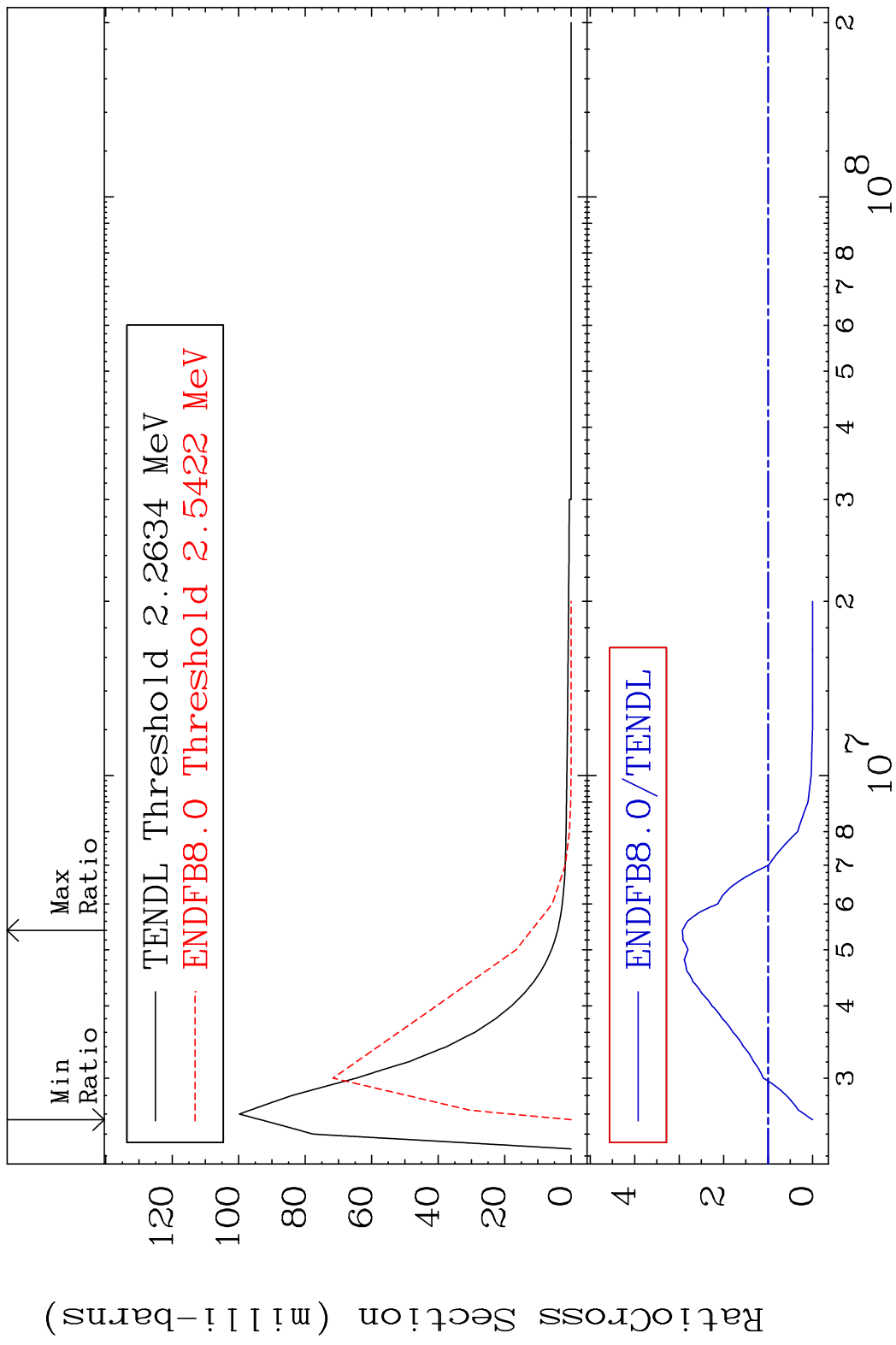


22 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 65 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 499.7 %



MAT 4437 MT= 66 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 192.7 %

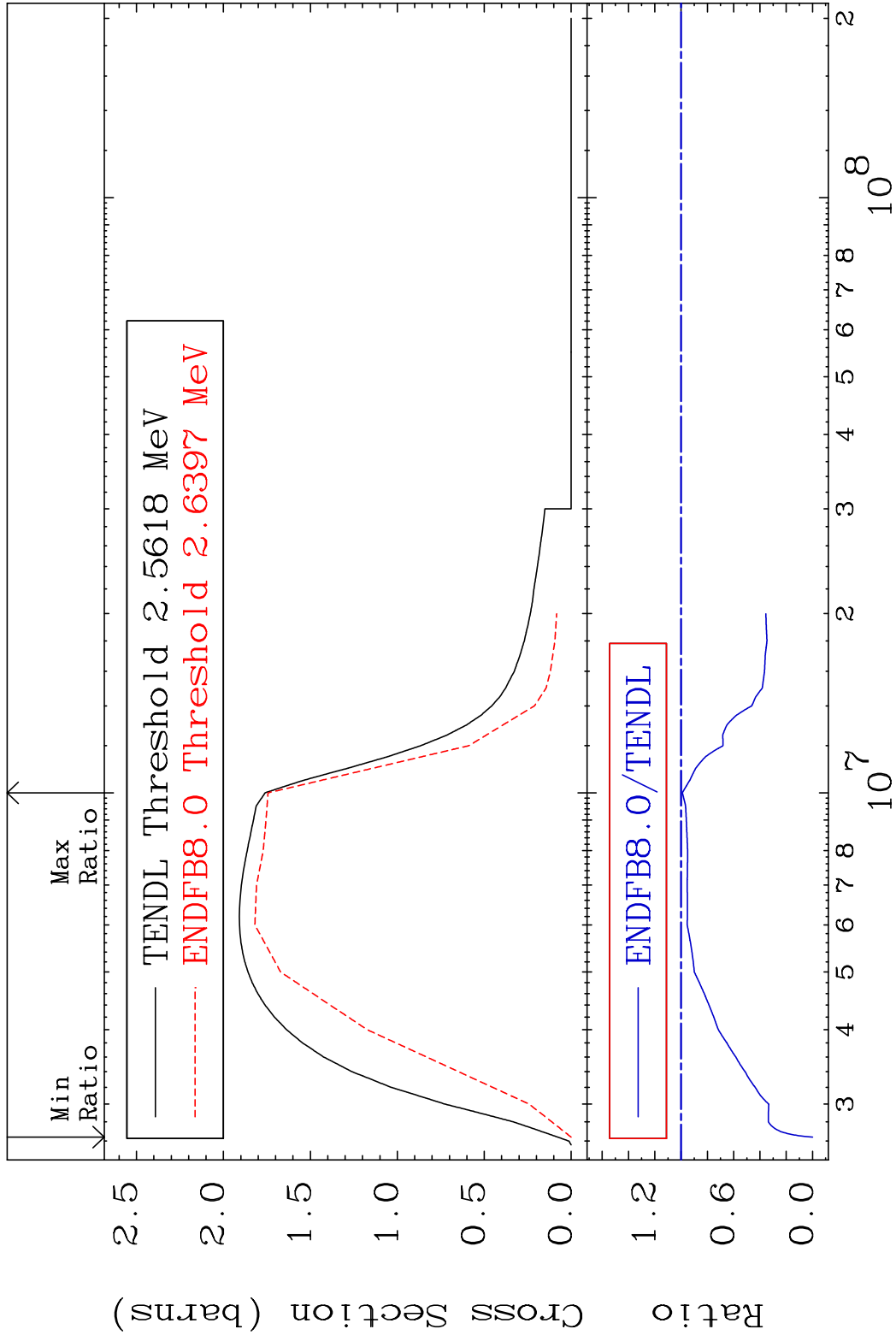


MAT 4437

(n,n') Continuum

44-Ru-100

Cross Section -100.0 To -0.965%



25

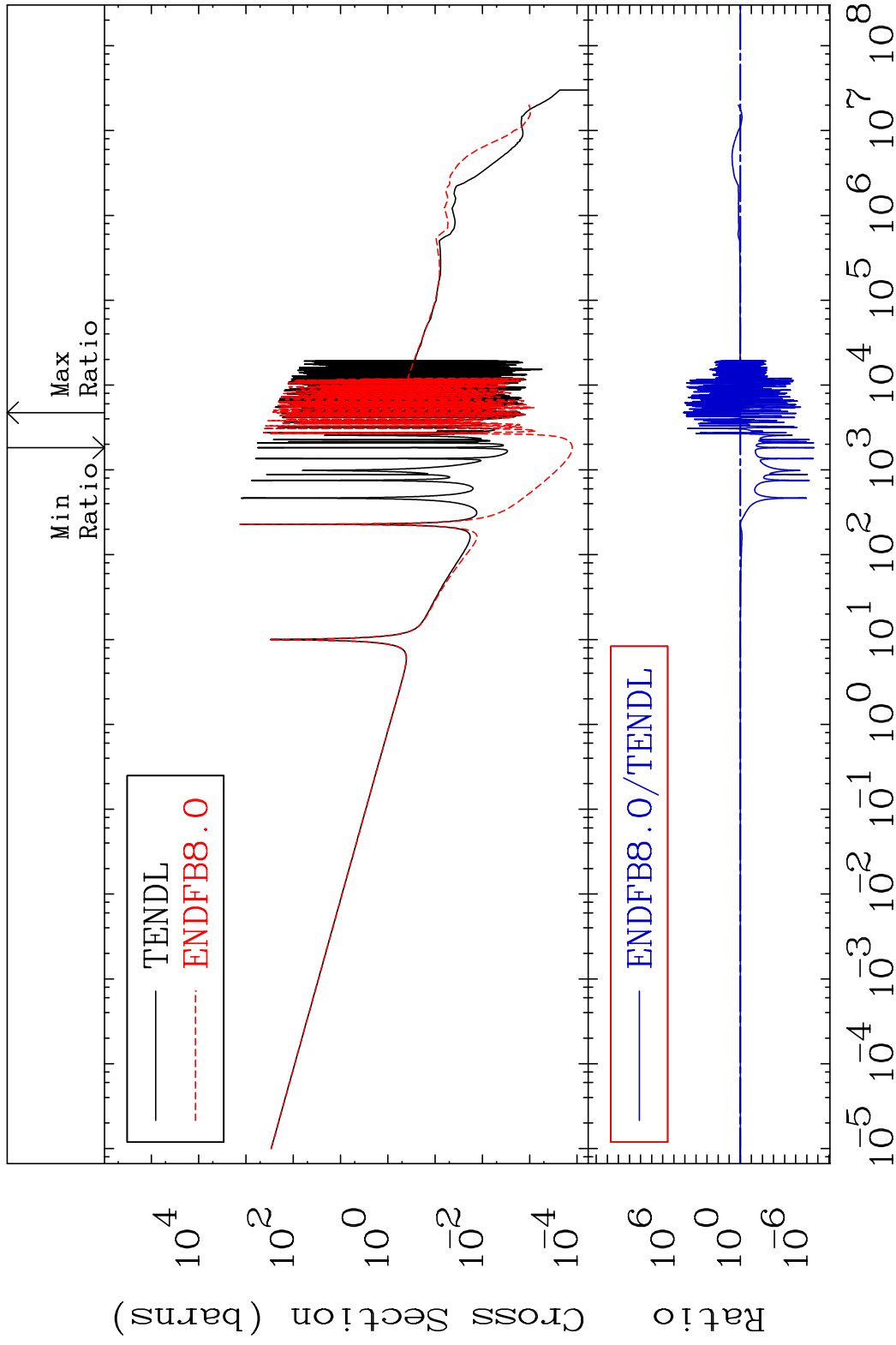
Incident Energy (eV)

44-Ru-100

MAT 4437

(n, γ)
Cross Section -100.0 To 9999. %

44-Ru-100



26

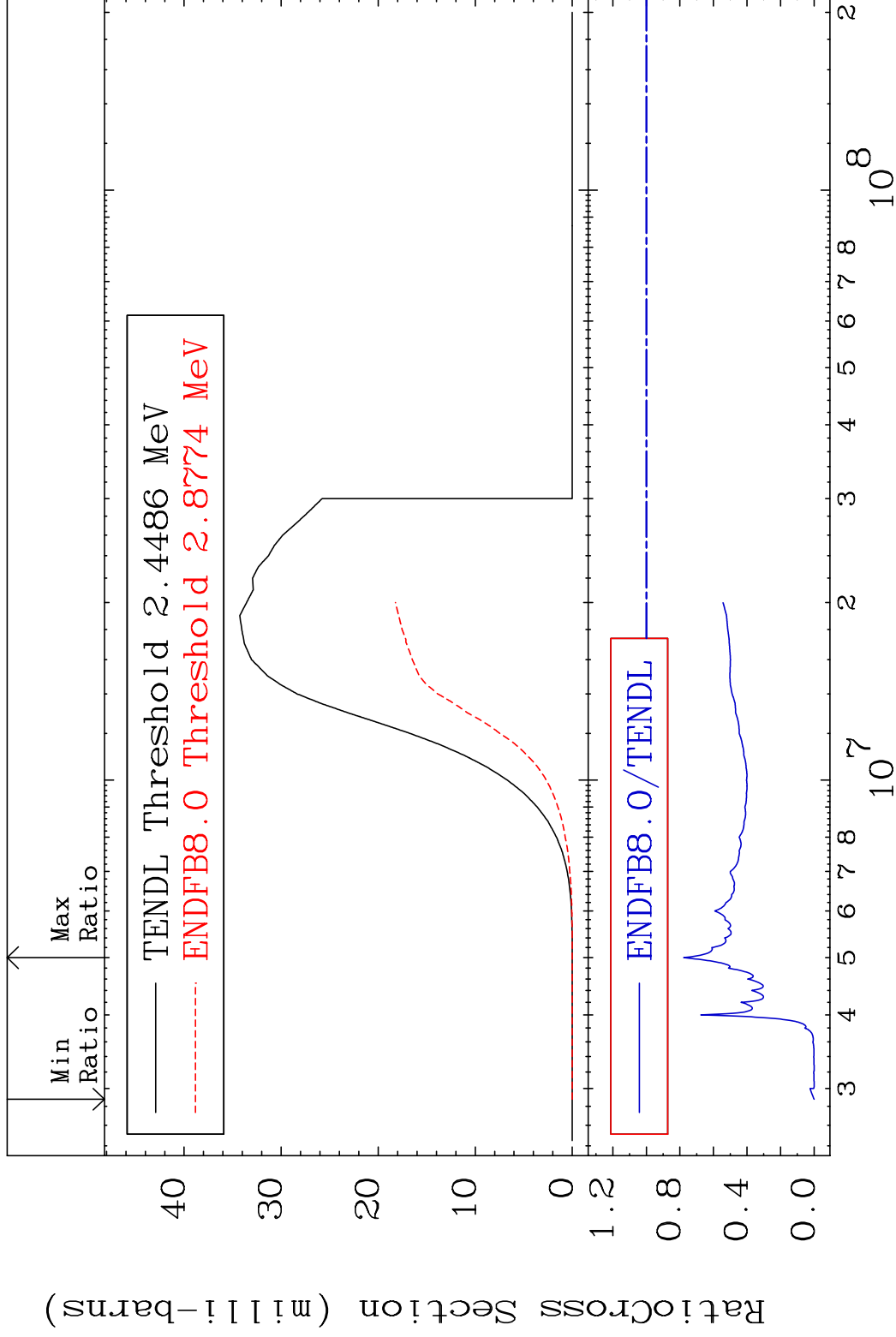
Incident Energy (eV) 44-Ru-100

MAT 4437

(n, p)

44-Ru-100

Cross Section -100.0 To -22.25%

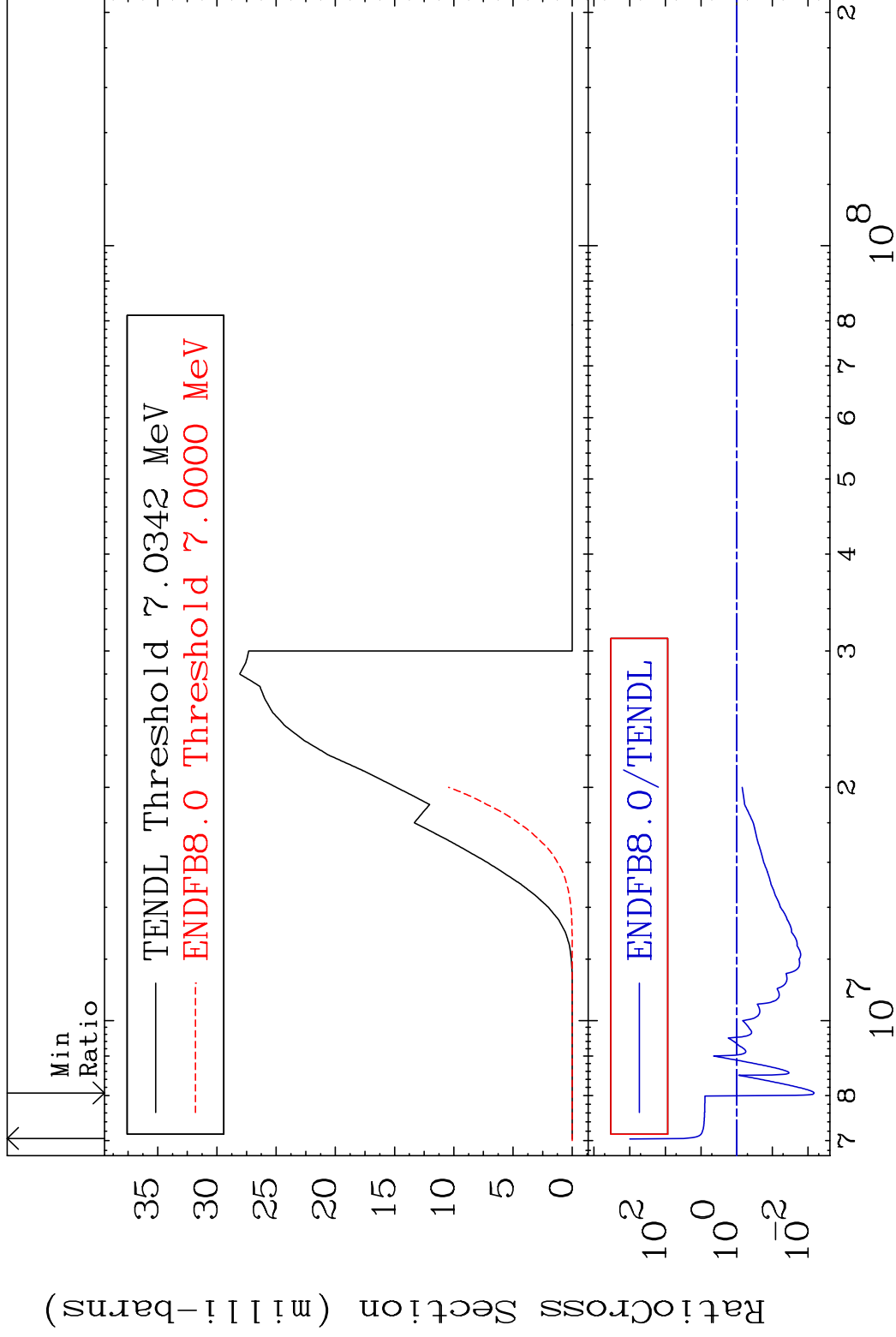


MAT 4437

(n,d)

44-Ru-100

Cross Section -99.32 To 2965. %



28

Incident Energy (eV)

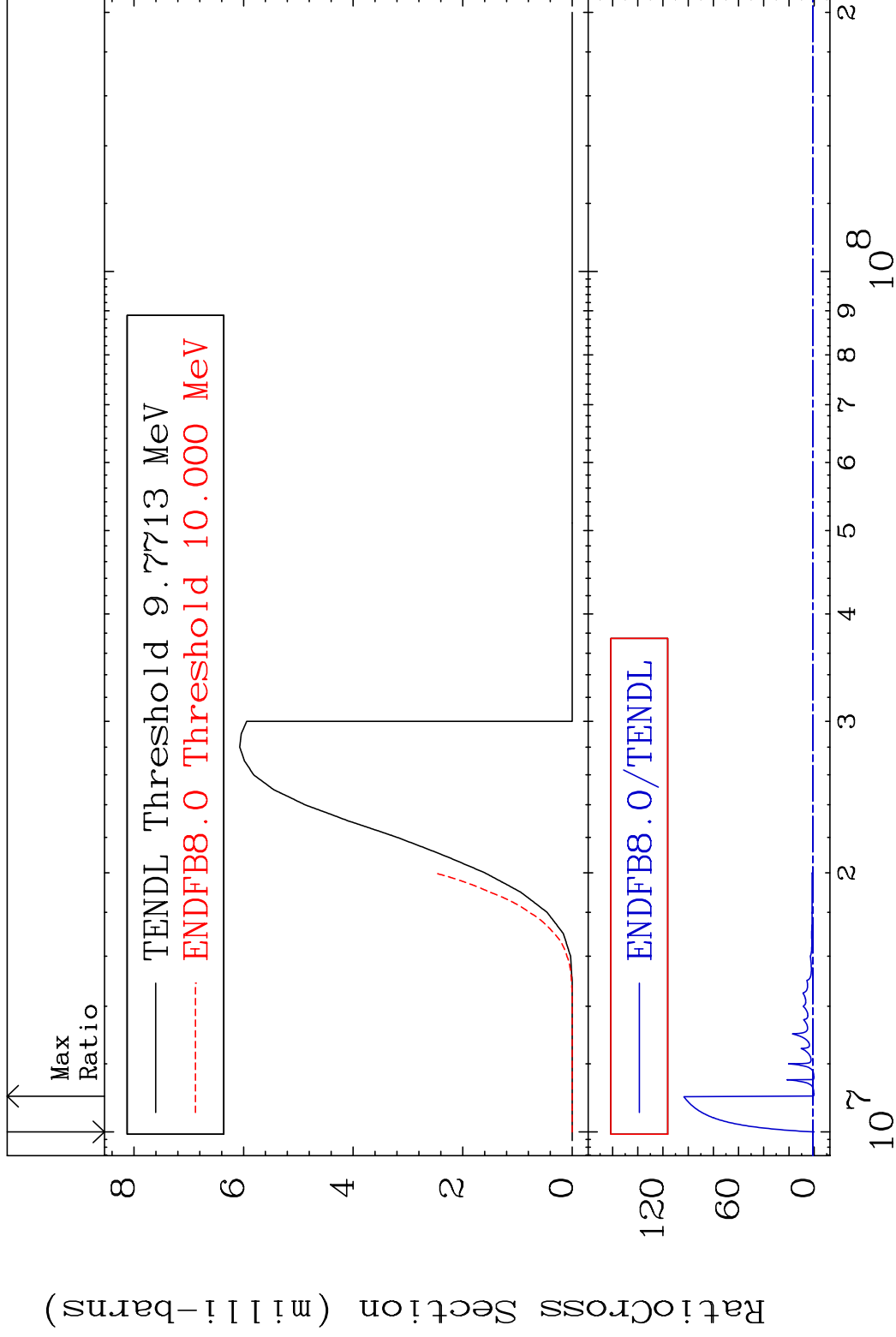
44-Ru-100

MAT 4437

(n, t)

44-Ru-100

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

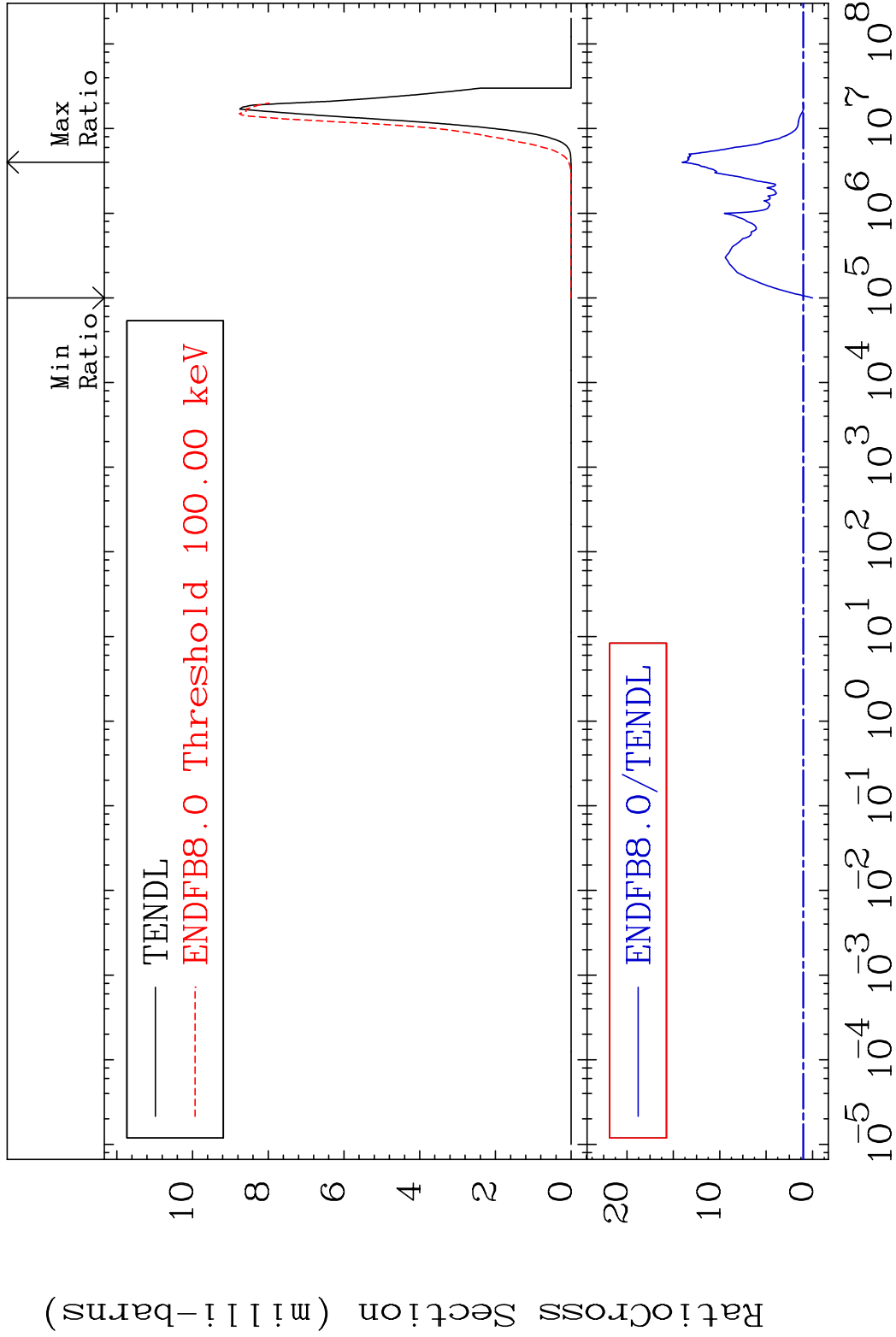
44-Ru-100

MAT 4437

(n, α)

44-Ru-100

Cross Section -100.0 To 1303. %



30

Incident Energy (eV)

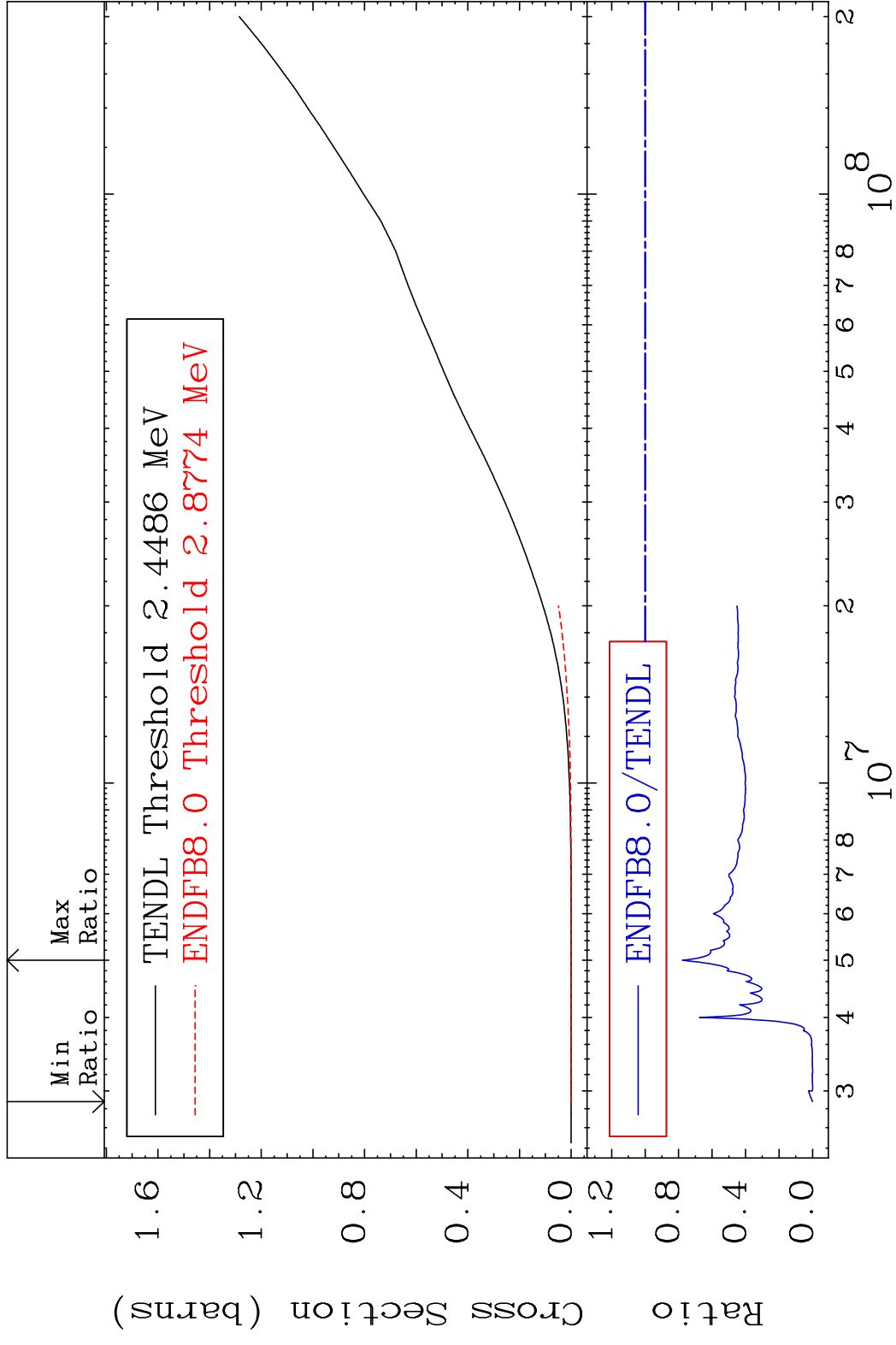
44-Ru-100

MAT 4437

Hydrogen Production

44-Ru-100

Cross Section -100.0 To -22.25%

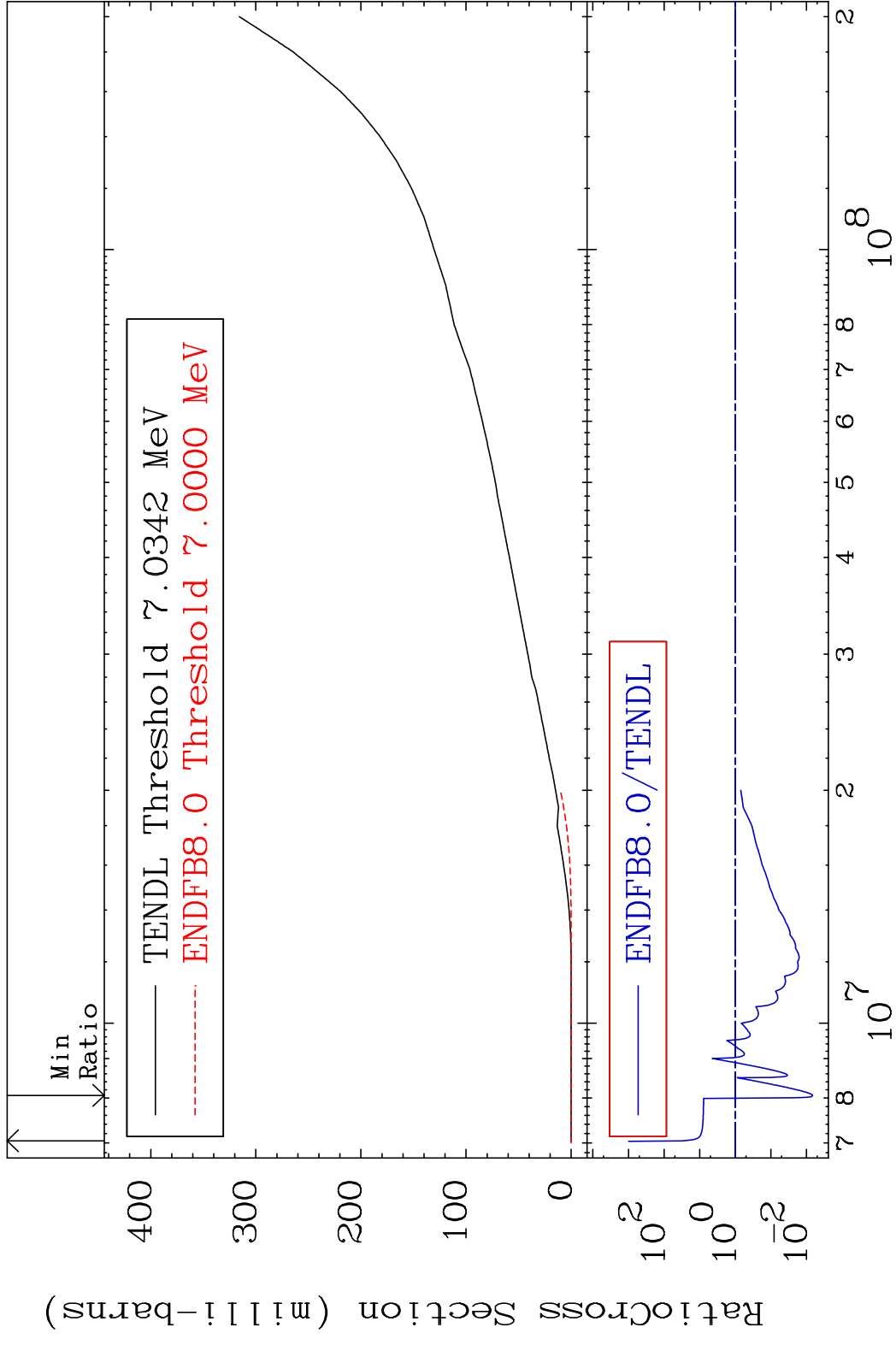


MAT 4437

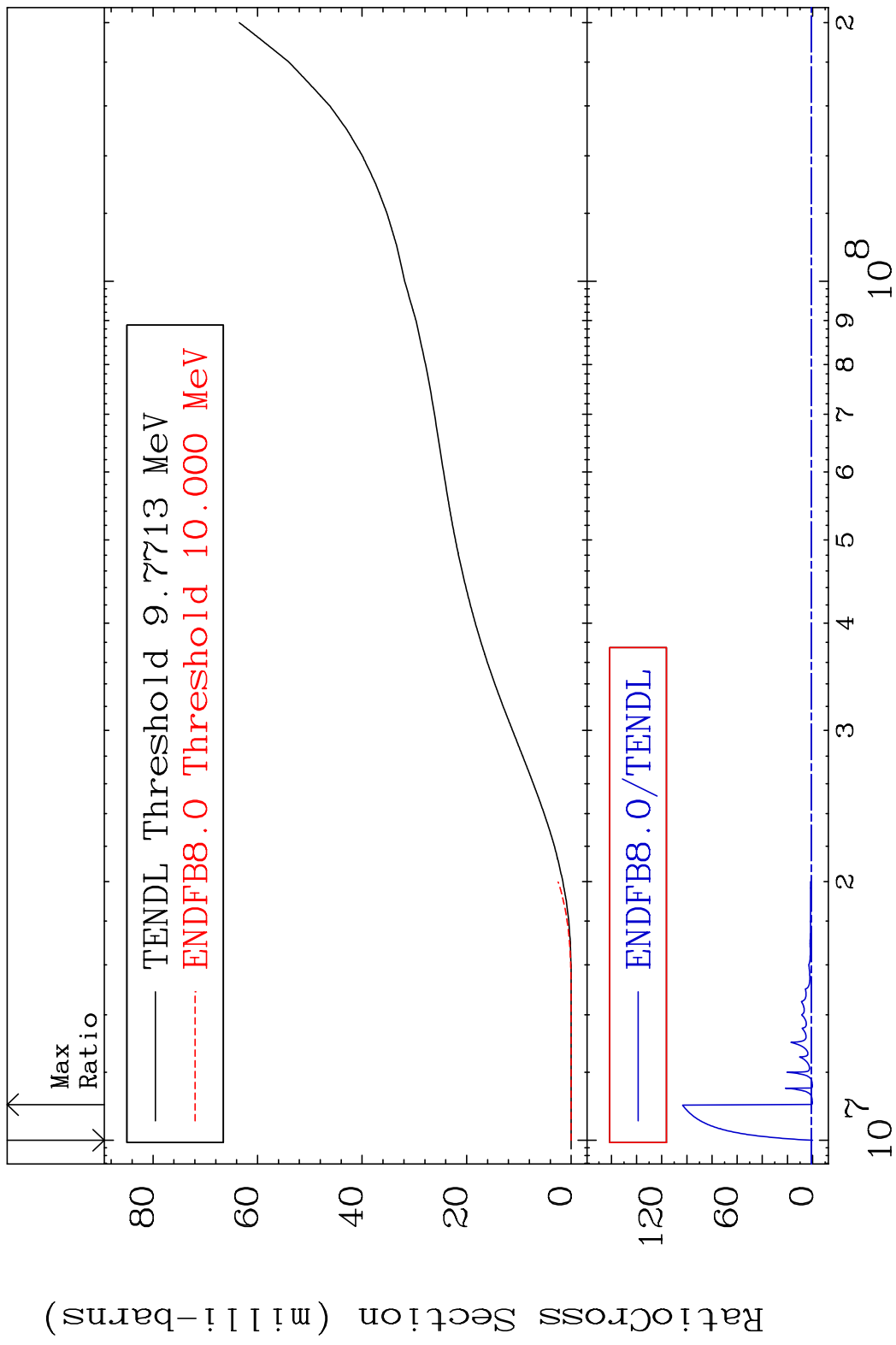
Deuterium Production

44-Ru-100

Cross Section -99.32 To 2965. %



MAT 4437 Tritium Production 44-Ru-100
 Cross Section -100.0 To 9999. %



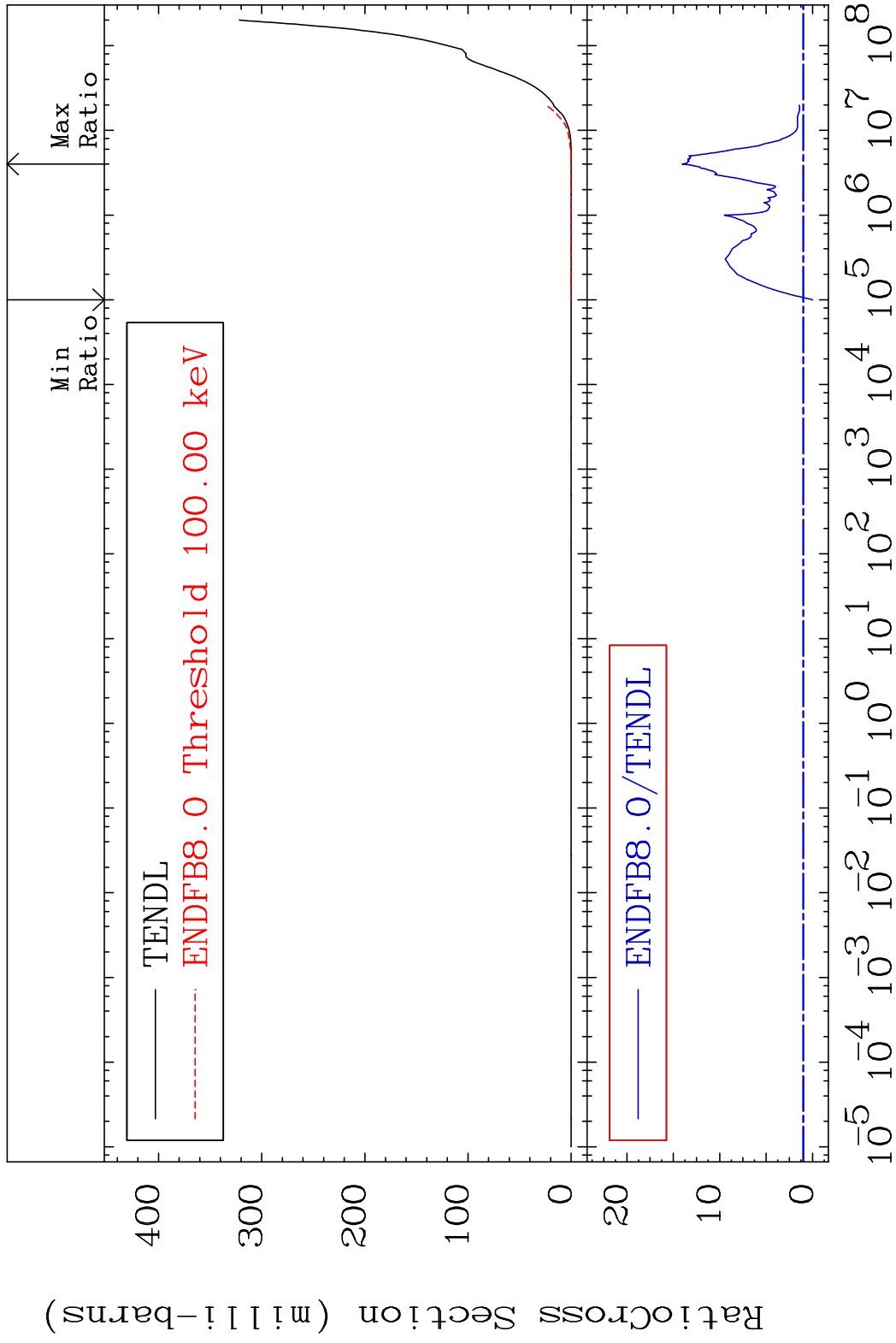
33 Incident Energy (eV) 44-Ru-100

MAT 4437

He-4 Production

44-Ru-100

Cross Section -100.0 To 1303. %



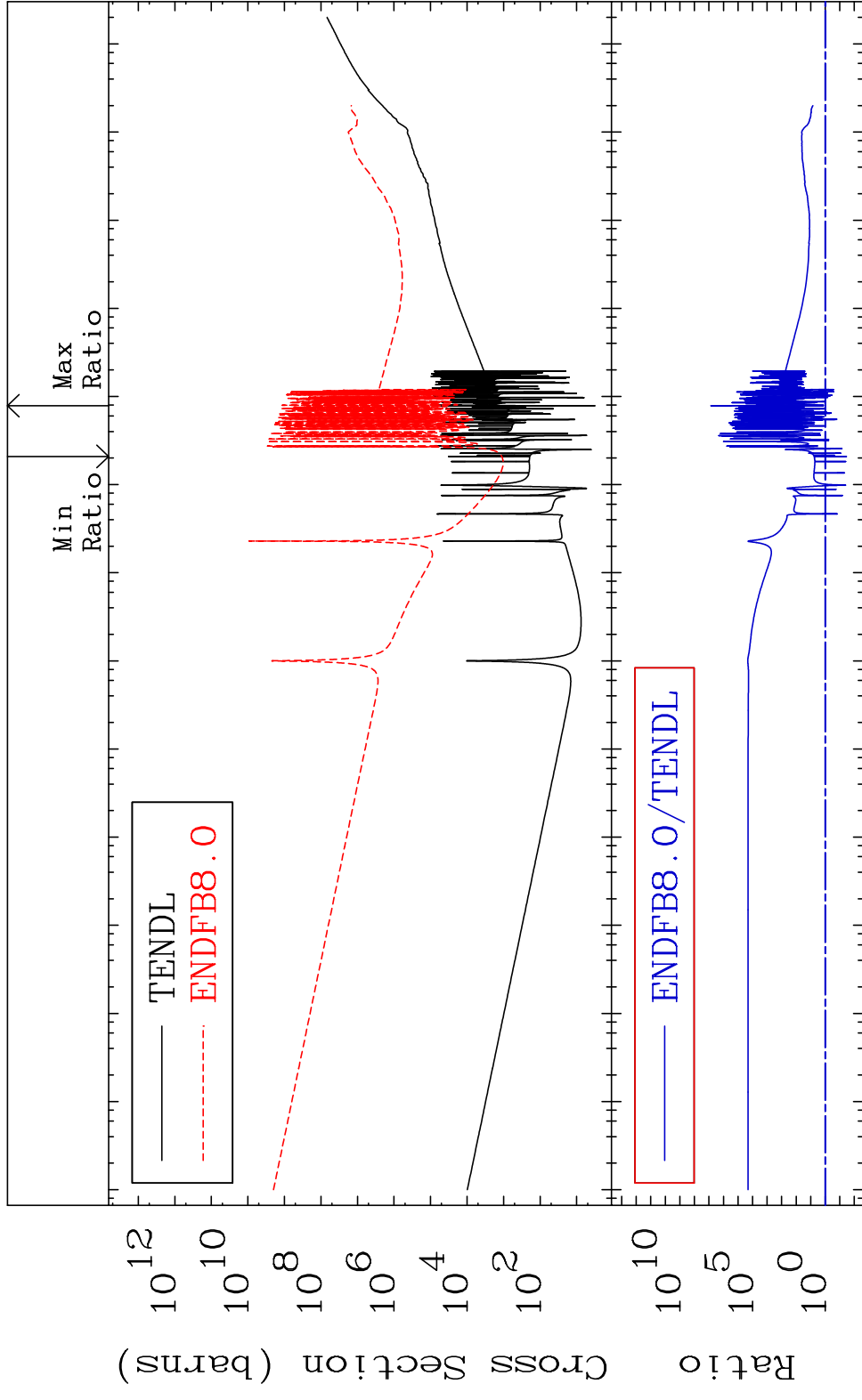
34

Incident Energy (eV)

44-Ru-100

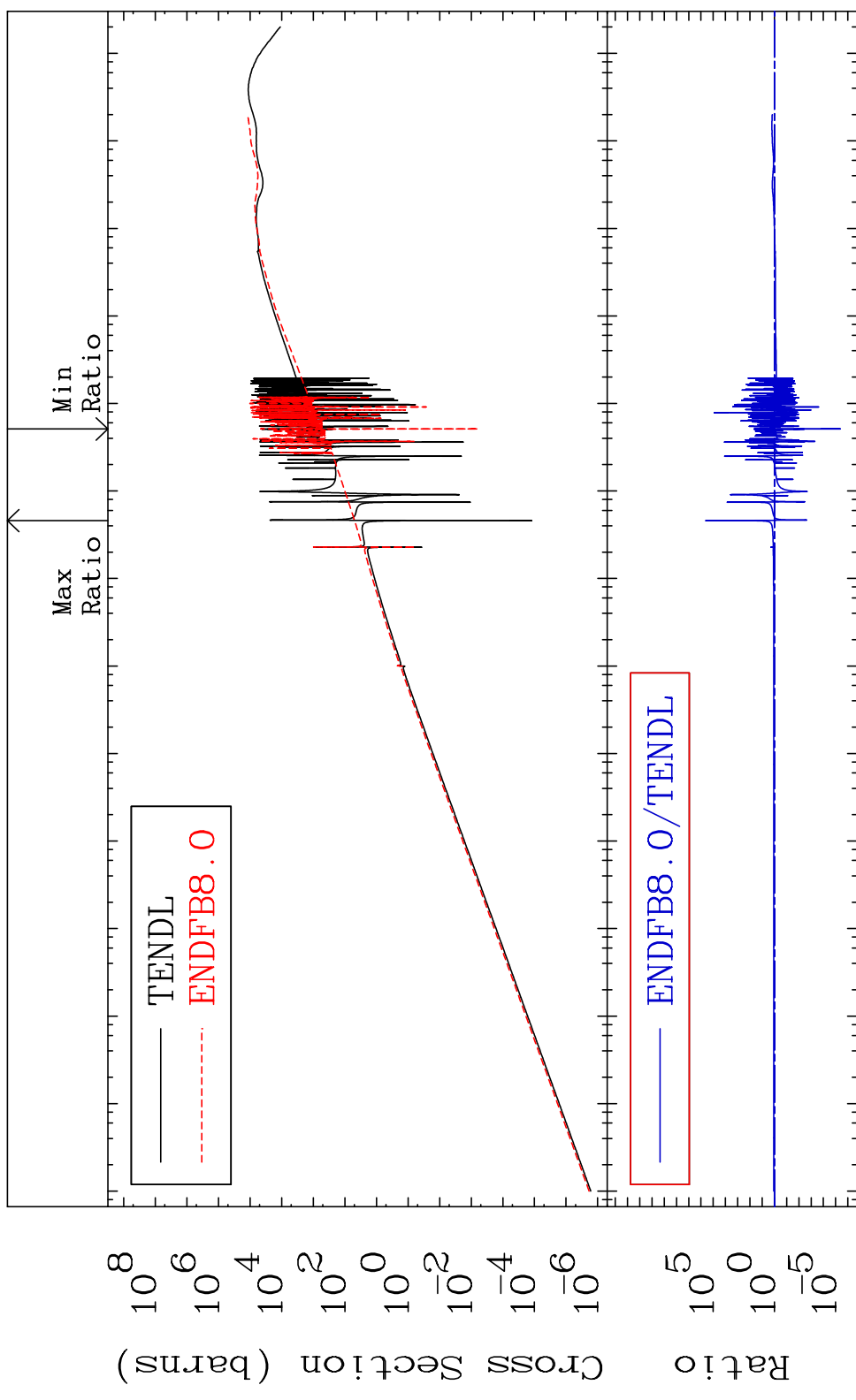
MAT 4437

Kerma total (eV-barns) 44-Ru-100
Cross Section -96.45 To 9999. %



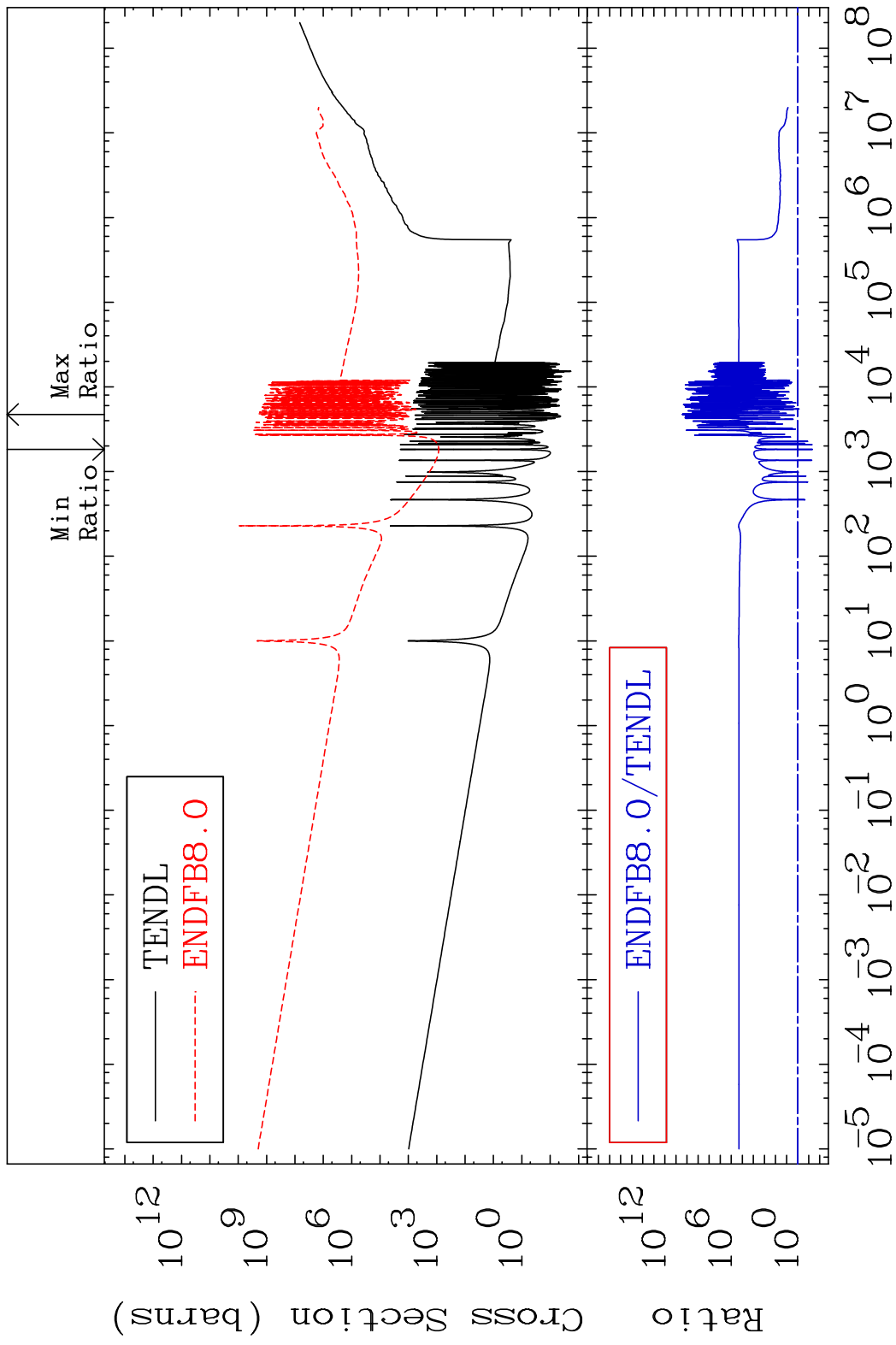
MAT 4437

Kerma elastic Cross Section -100.0 To 9999. %
44-Ru-100

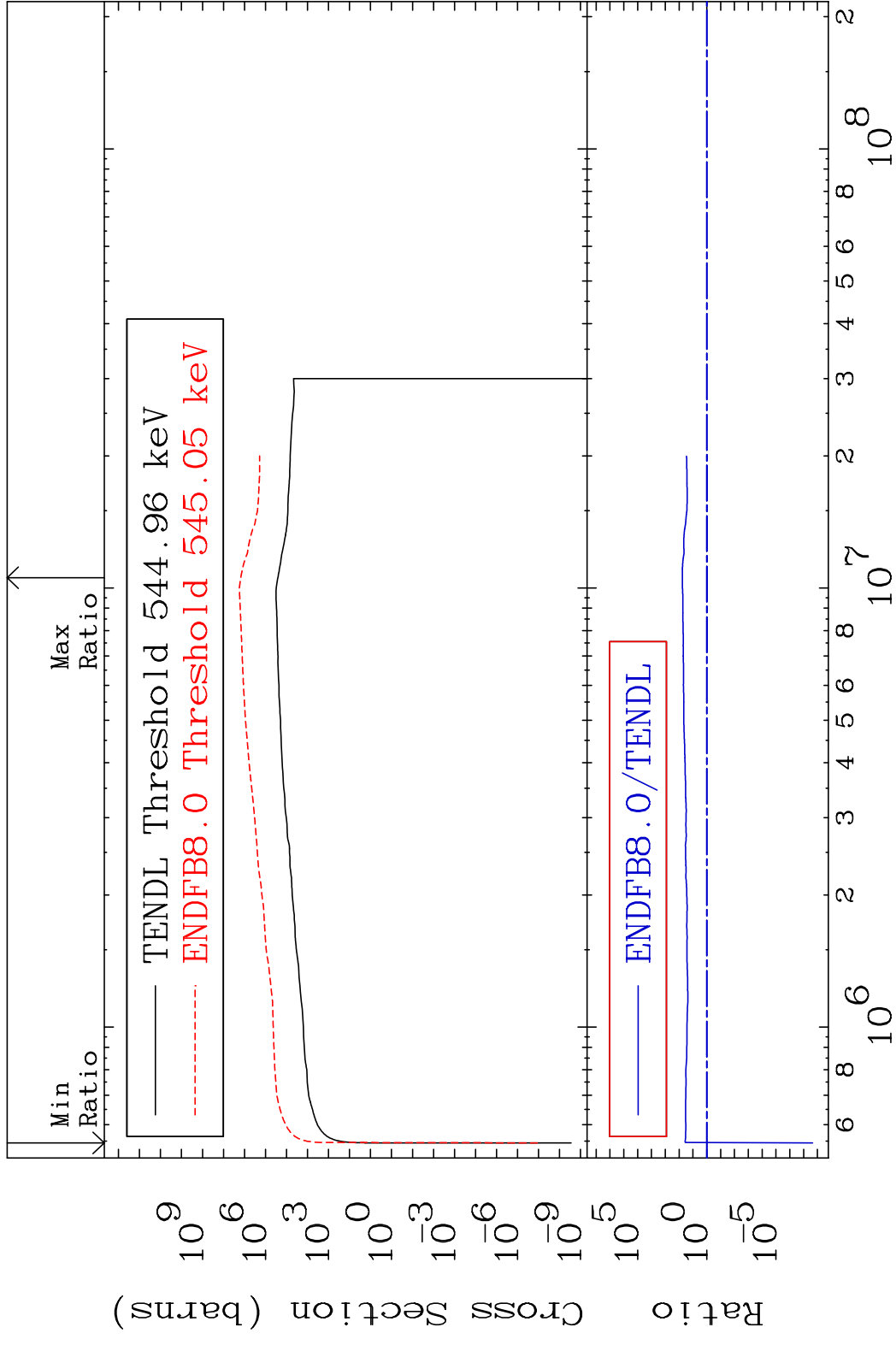


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

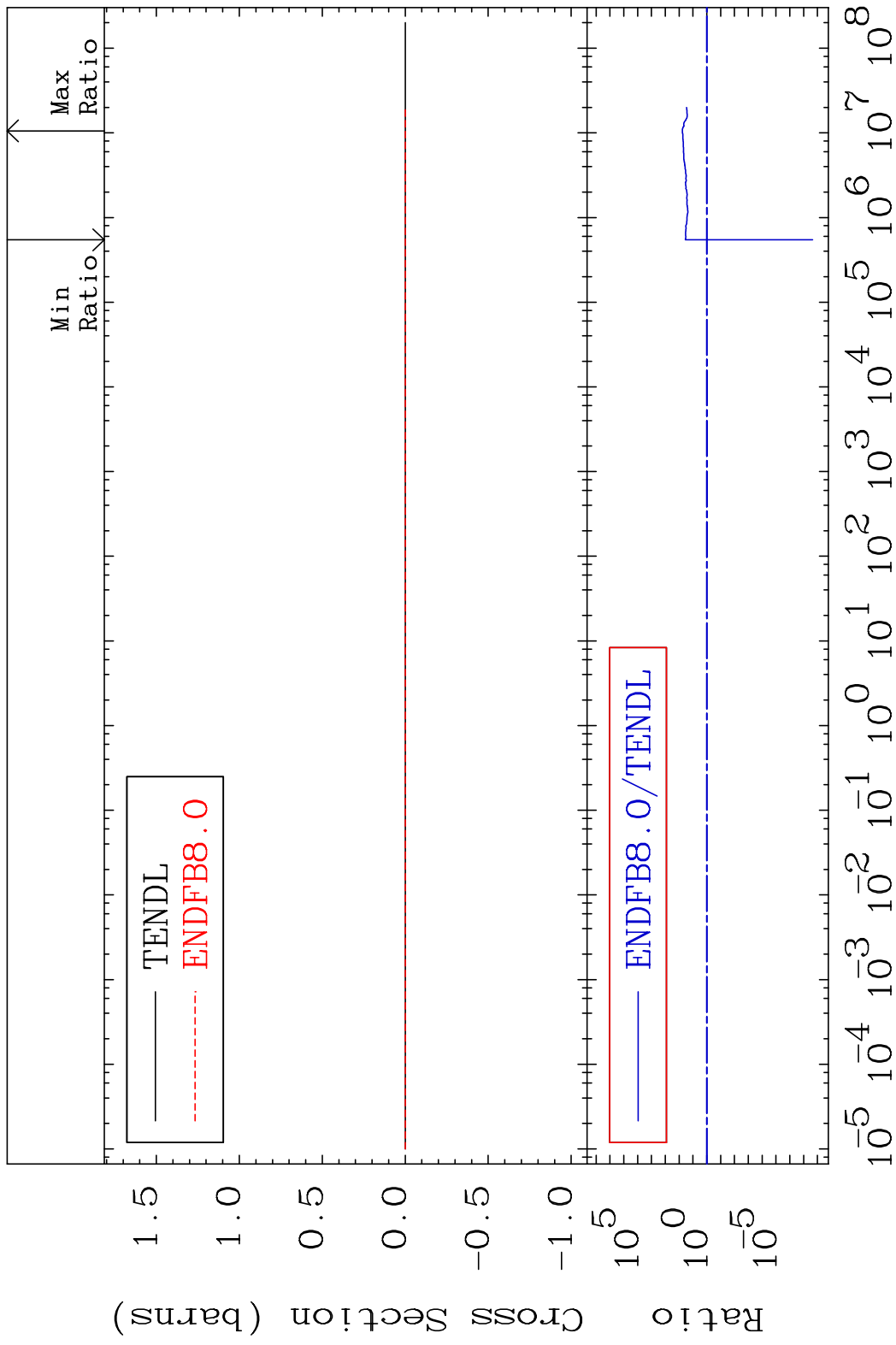
MAT 4437 Kerma non-elastic (all but mt2) 44-Ru-100
 Cross Section -95.53 To 9999. %



MAT 4437 Kerma inelastic (mt51-91) 44-Ru-100
 Cross Section -100.0 To 5737. %

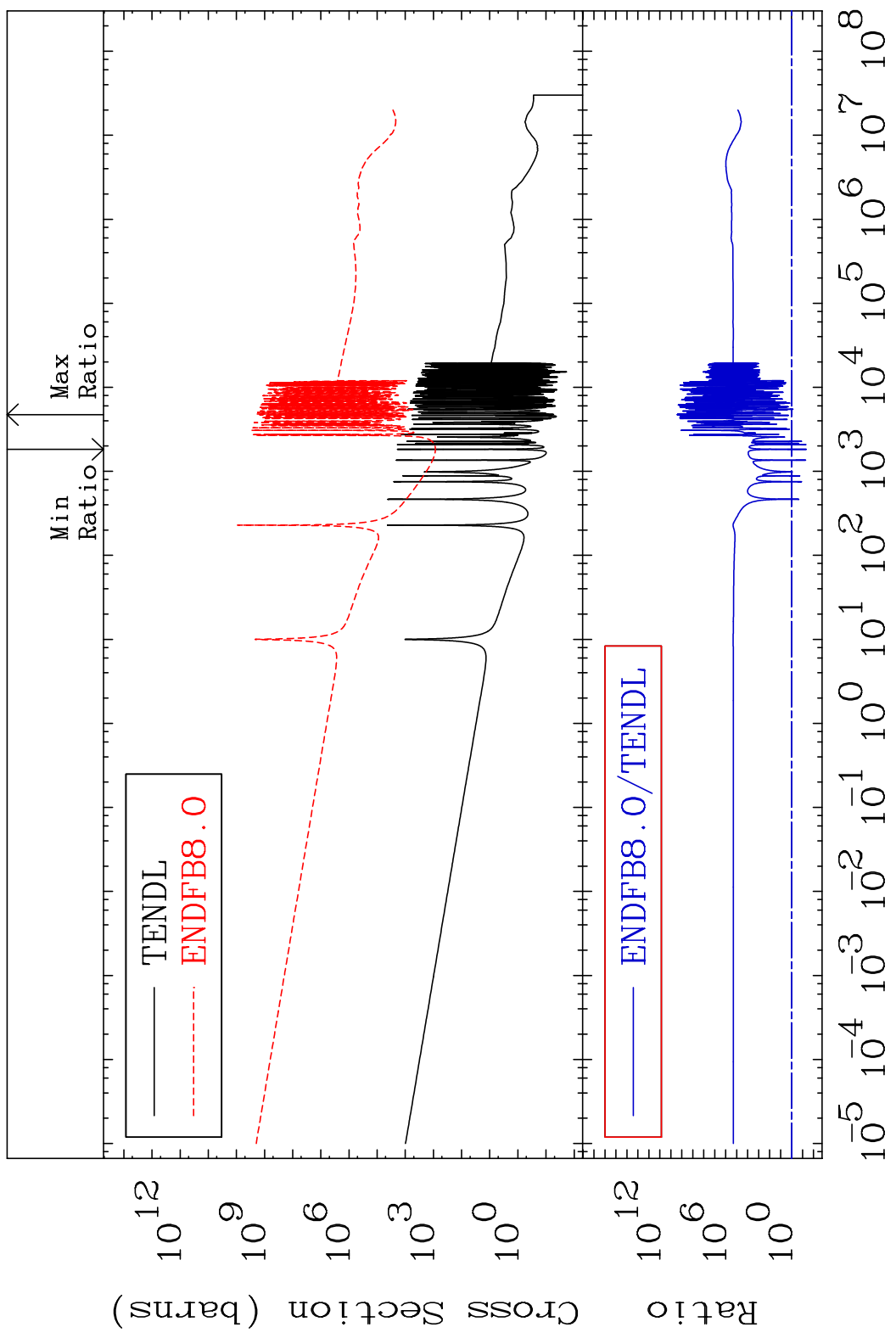


MAT 4437 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-100
 Cross Section -100.0 To 5737. %



MAT 4437

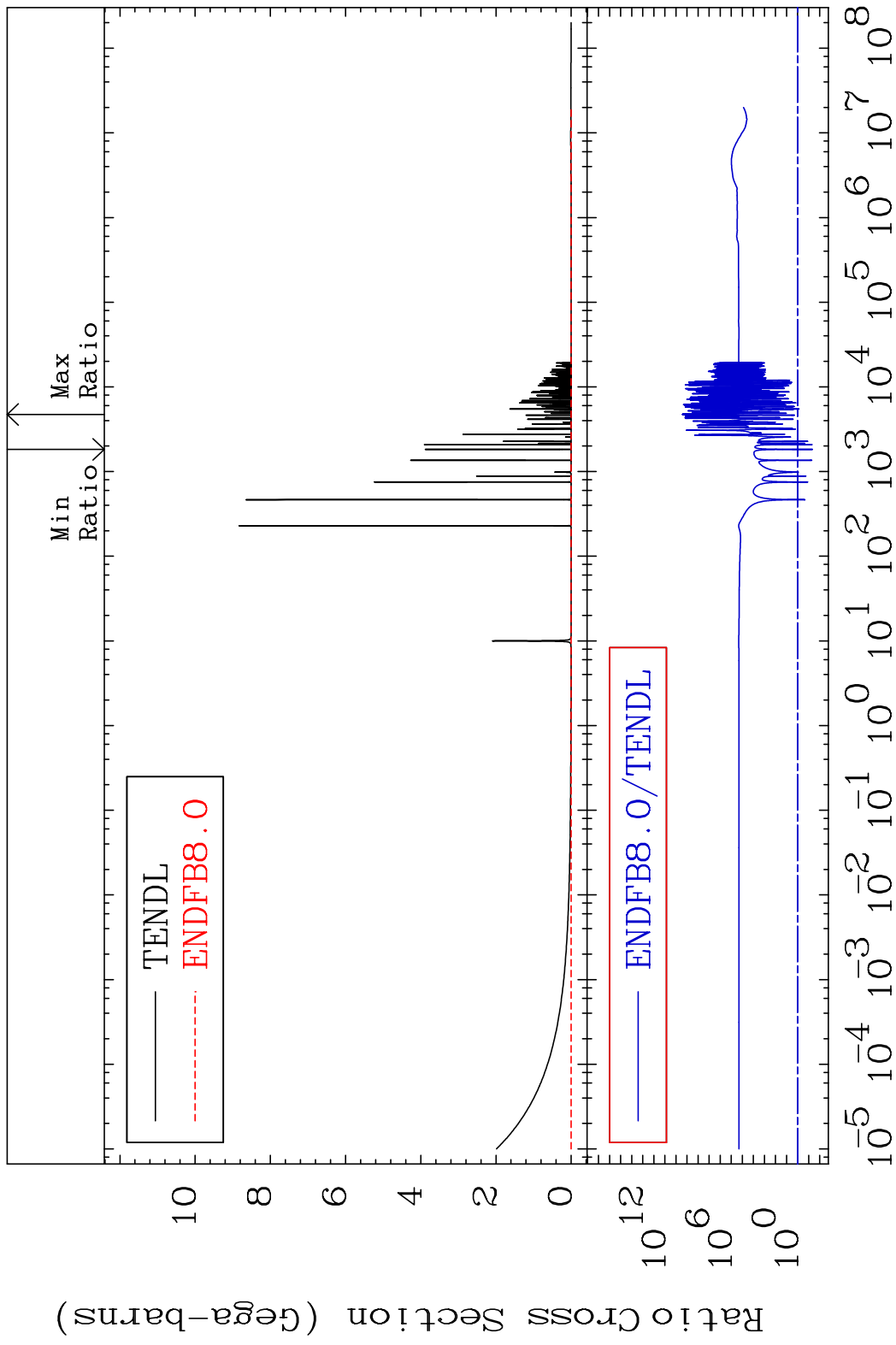
Kerma capture (mt102) 44-Ru-100
Cross Section -95.53 To 9999. %



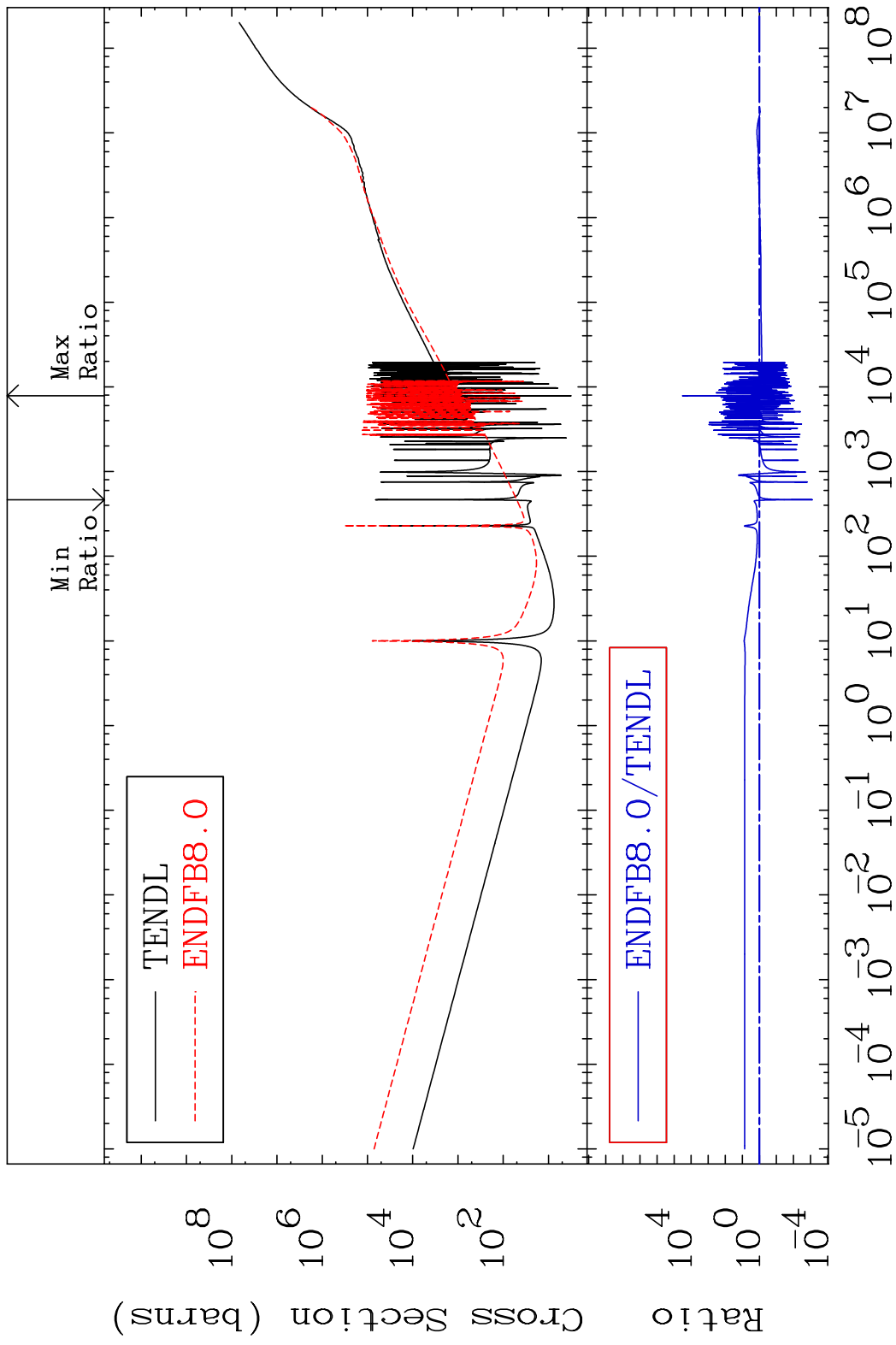
40

Incident Energy (eV) 44-Ru-100

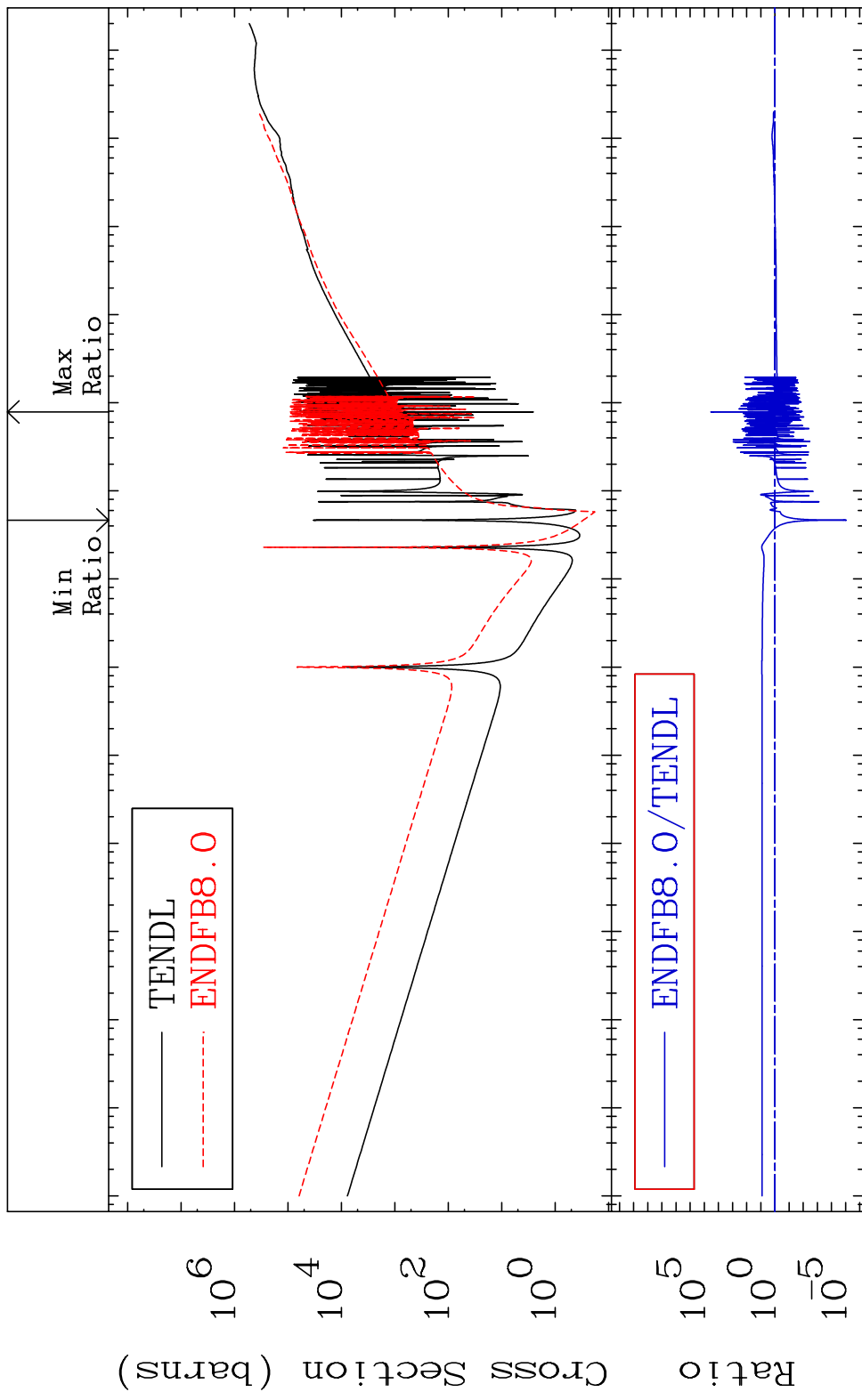
MAT 4437 Total photon (eV-barns) 44-Ru-100
 Cross Section -95.53 To 9999. %



MAT 4437 Total kinematic kerma (high limit) 44-Ru-100
 Cross Section -99.92 To 9999. %



MAT 4437 Dpa total (eV-barns) 44-Ru-100
 Cross Section -100.0 To 9999. %



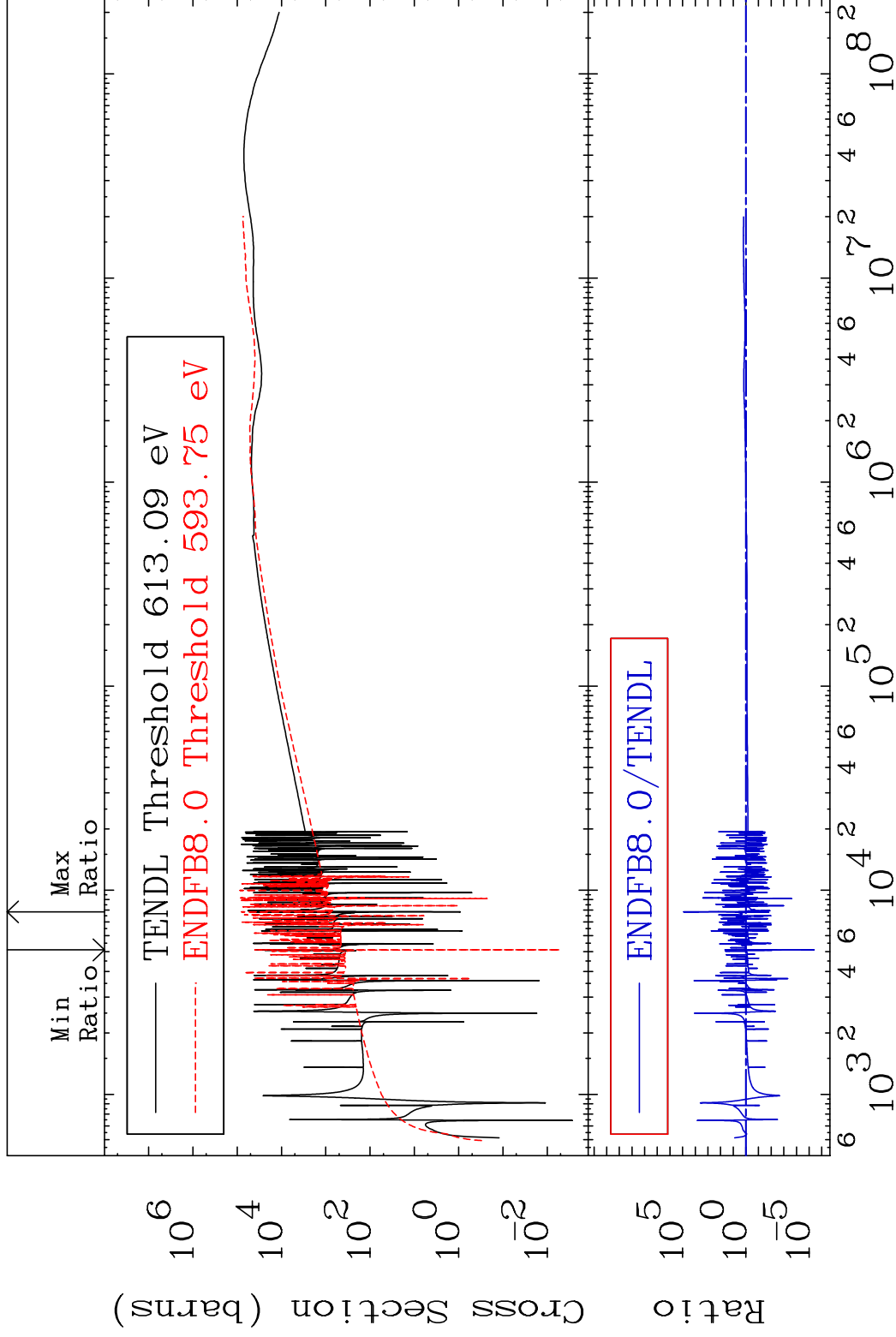
43 Incident Energy (eV) 44-Ru-100

MAT 4437

Dpa elastic (mt2)

44-Ru-100

Cross Section -100.0 To 9999. %

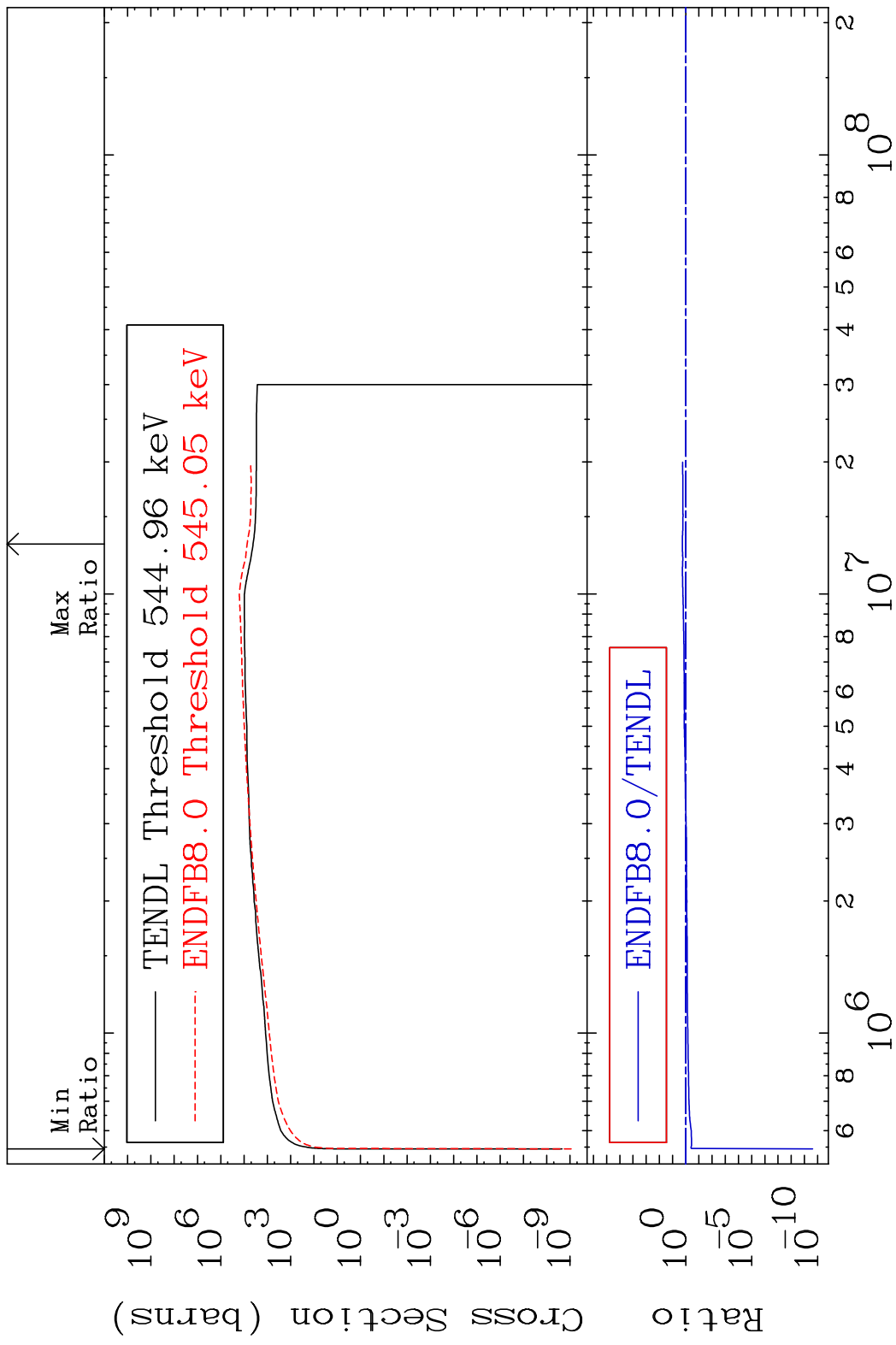


44

Incident Energy (eV)

44-Ru-100

MAT 4437 Dpa inelastic (mt51-91) 44-Ru-100
 Cross Section -100.0 To 80.47 %



MAT 4437 Dpa disappearance (mt102 -120) 44-Ru-100
 Cross Section -100.0 To 9999. %

