

Program Complot
(Version 2021-1)

by

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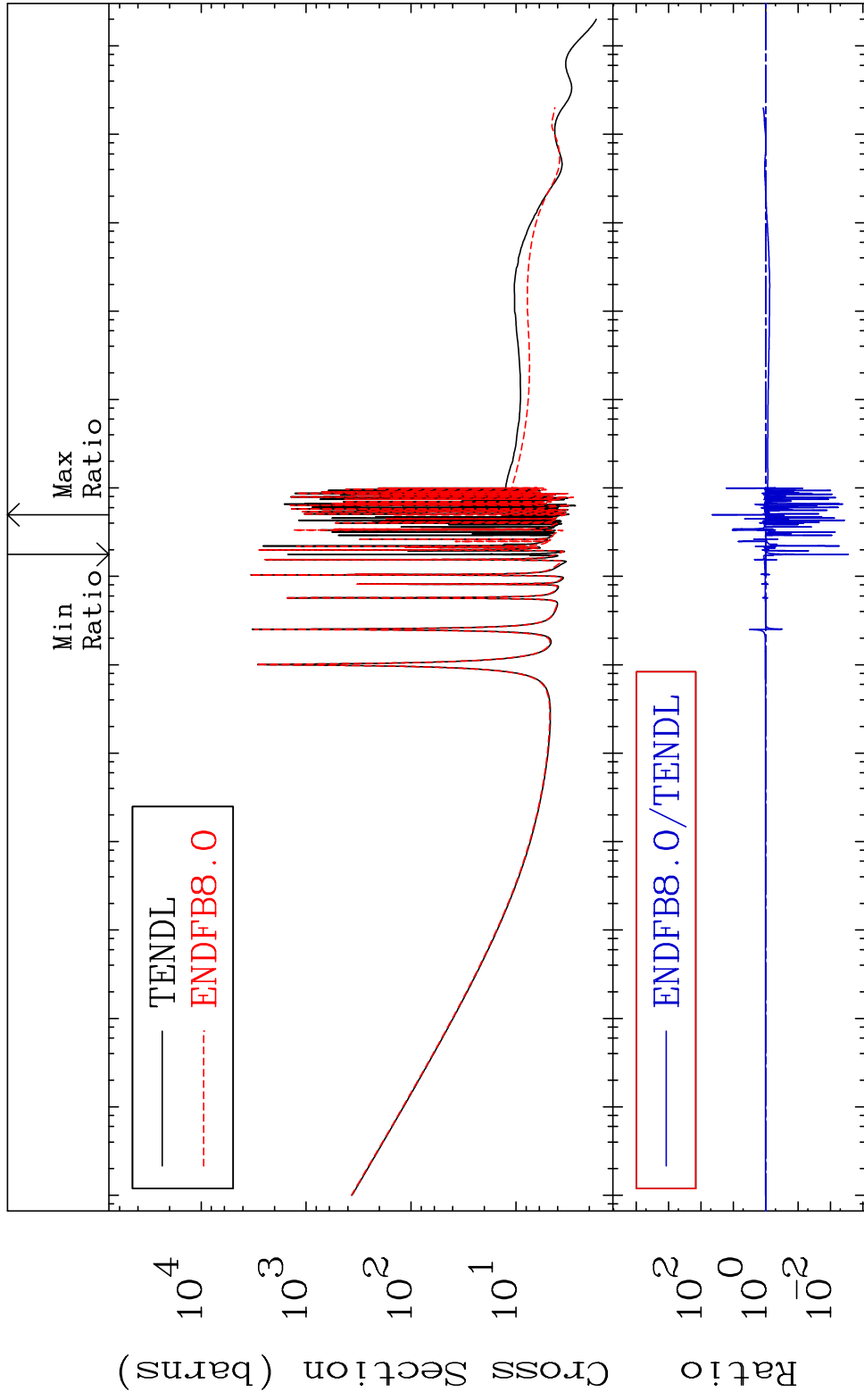
Press Mouse Button to Start

MAT 4434

Total

44-Ru-99

Cross Section -99.72 To 4316. %



1

Incident Energy (eV)

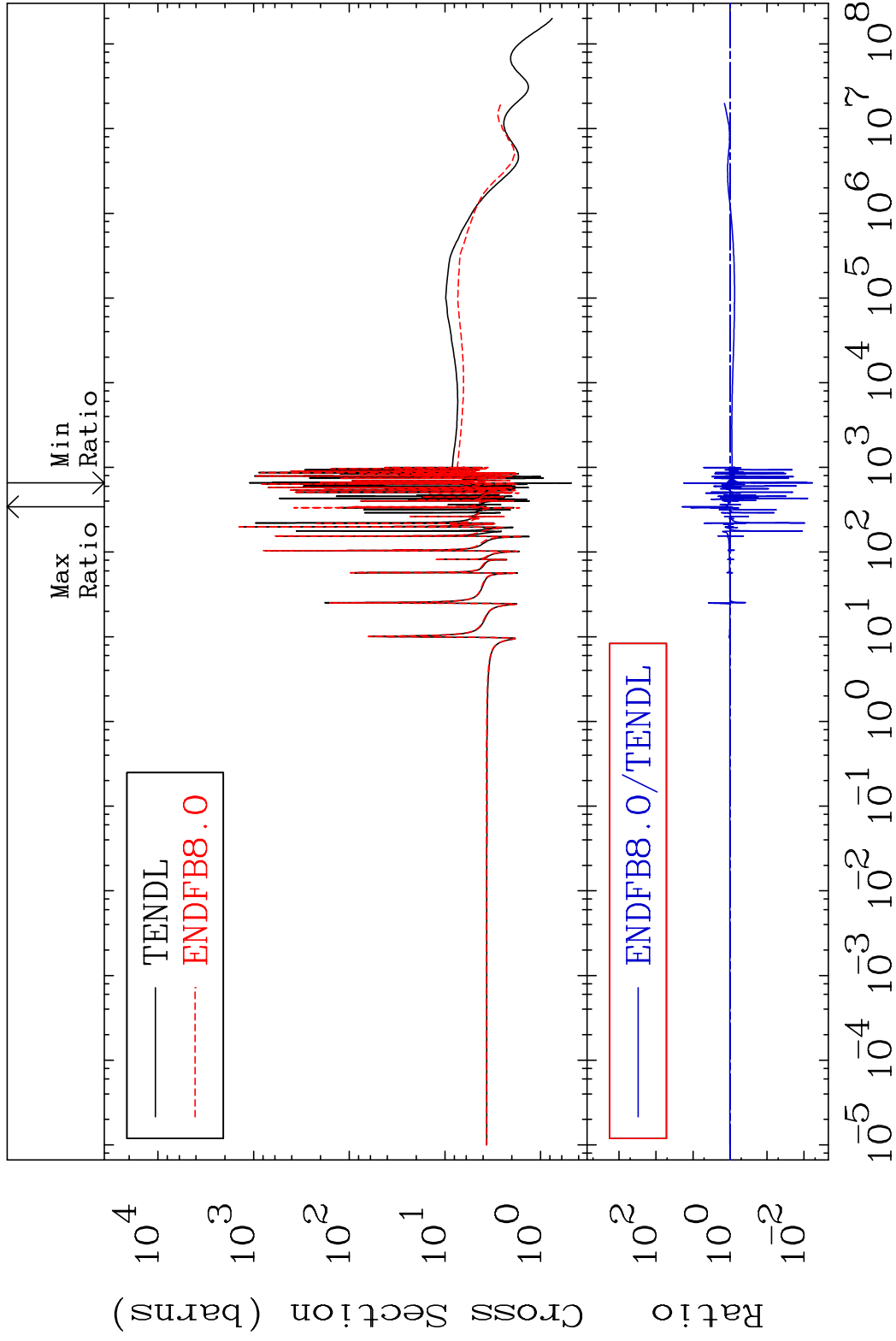
44-Ru-99

MAT 4434

Elastic

44-Ru-99

Cross Section -99.41 To 1839. %

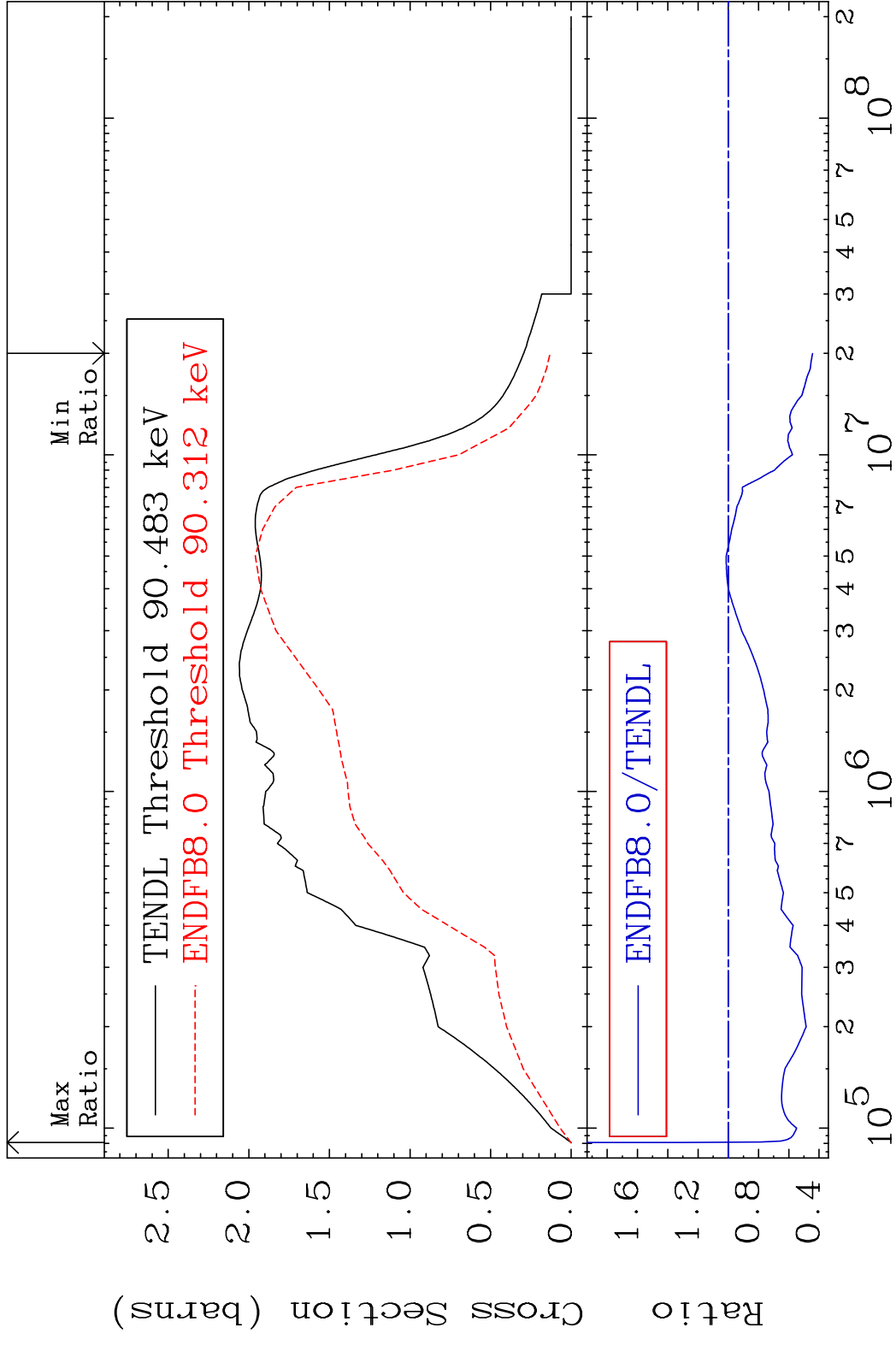


2

Incident Energy (eV)

44-Ru-99

MAT 4434 Inelastic 44-Ru-99
 Cross Section -55.72 To 30.35 %

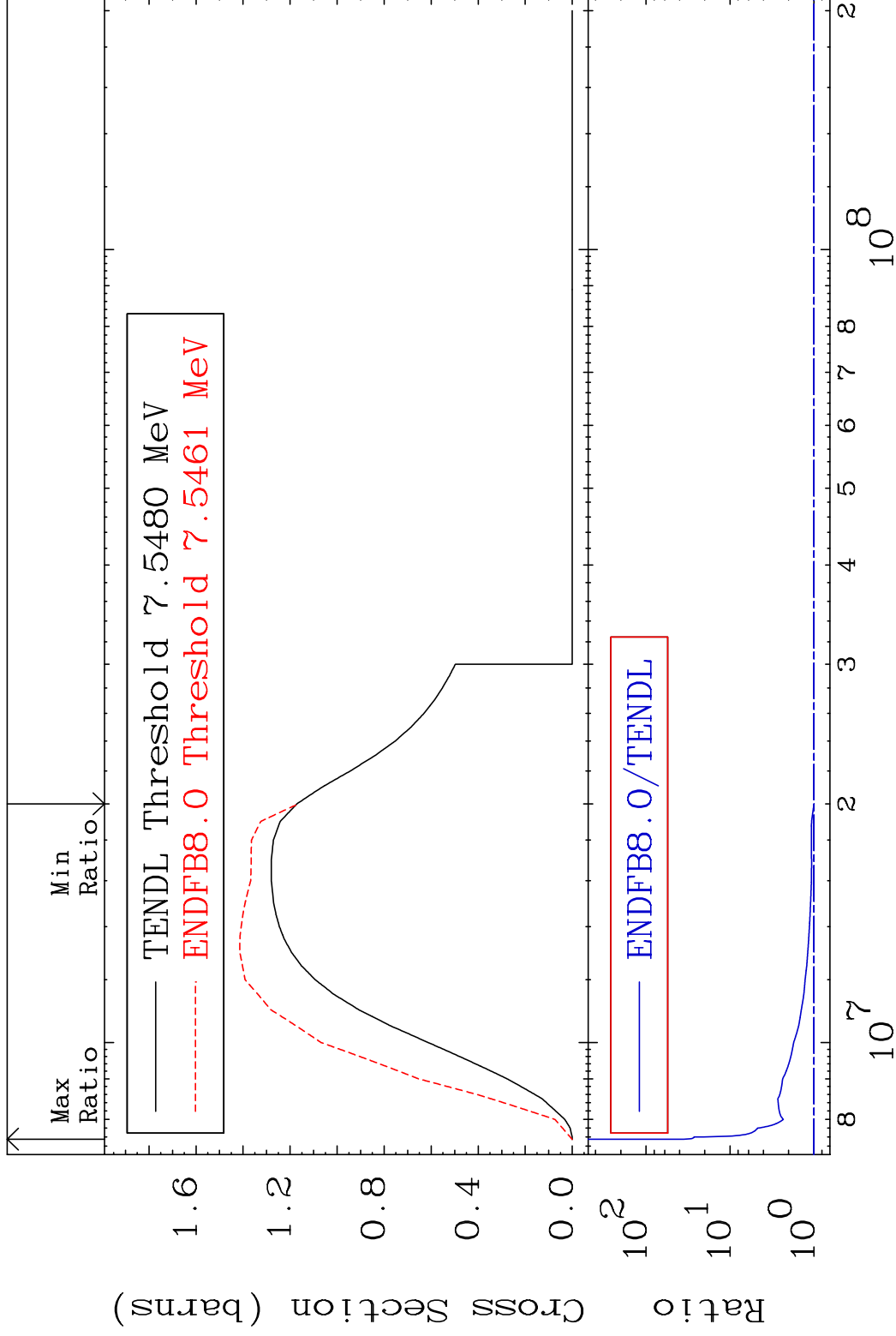


MAT 4434

(n,2n)

44-Ru-99

Cross Section -0.557 To 3467. %



4

Incident Energy (eV)

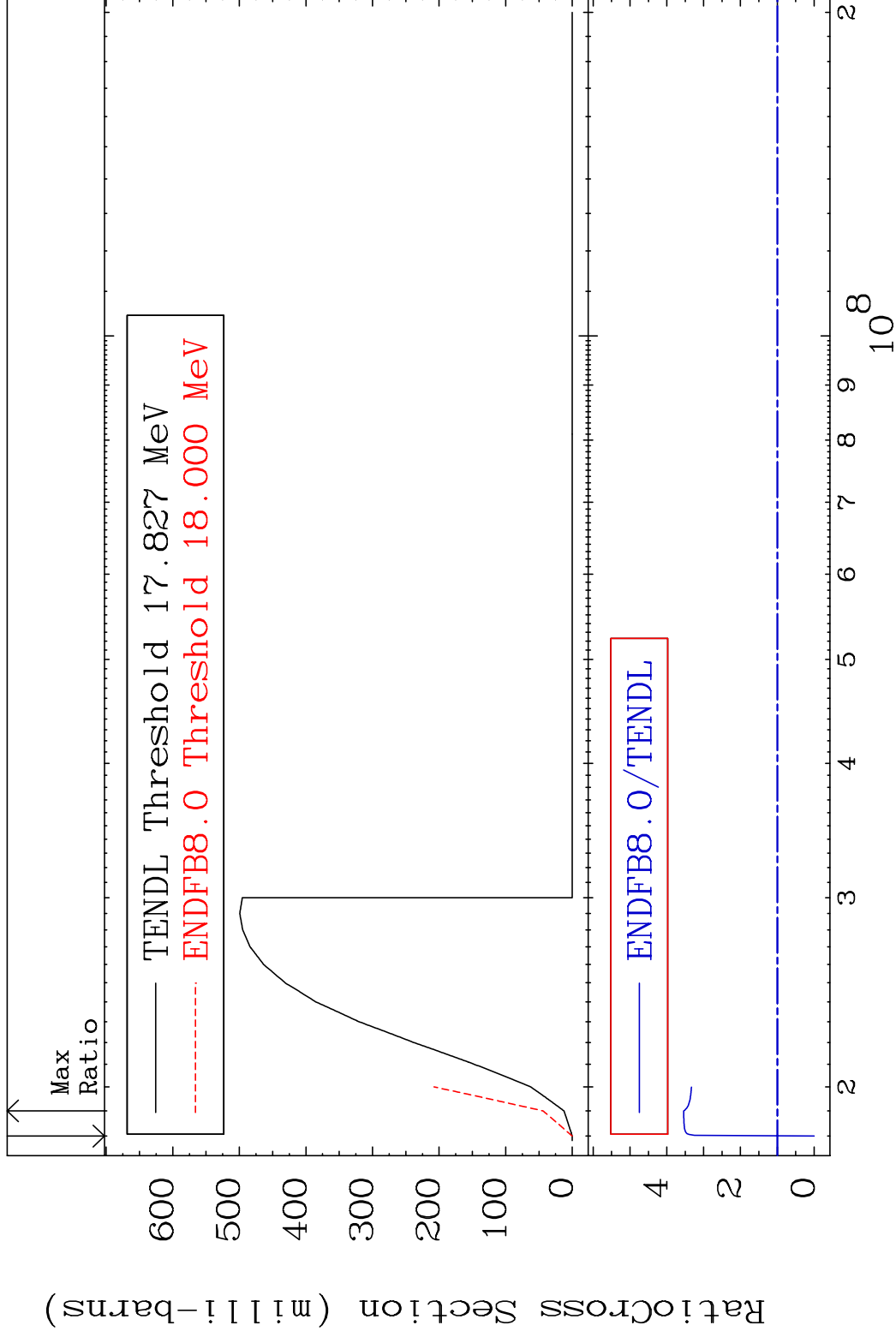
44-Ru-99

MAT 4434

(n,3n)

44-Ru-99

Cross Section -100.0 To 254.3 %



5

Incident Energy (eV)

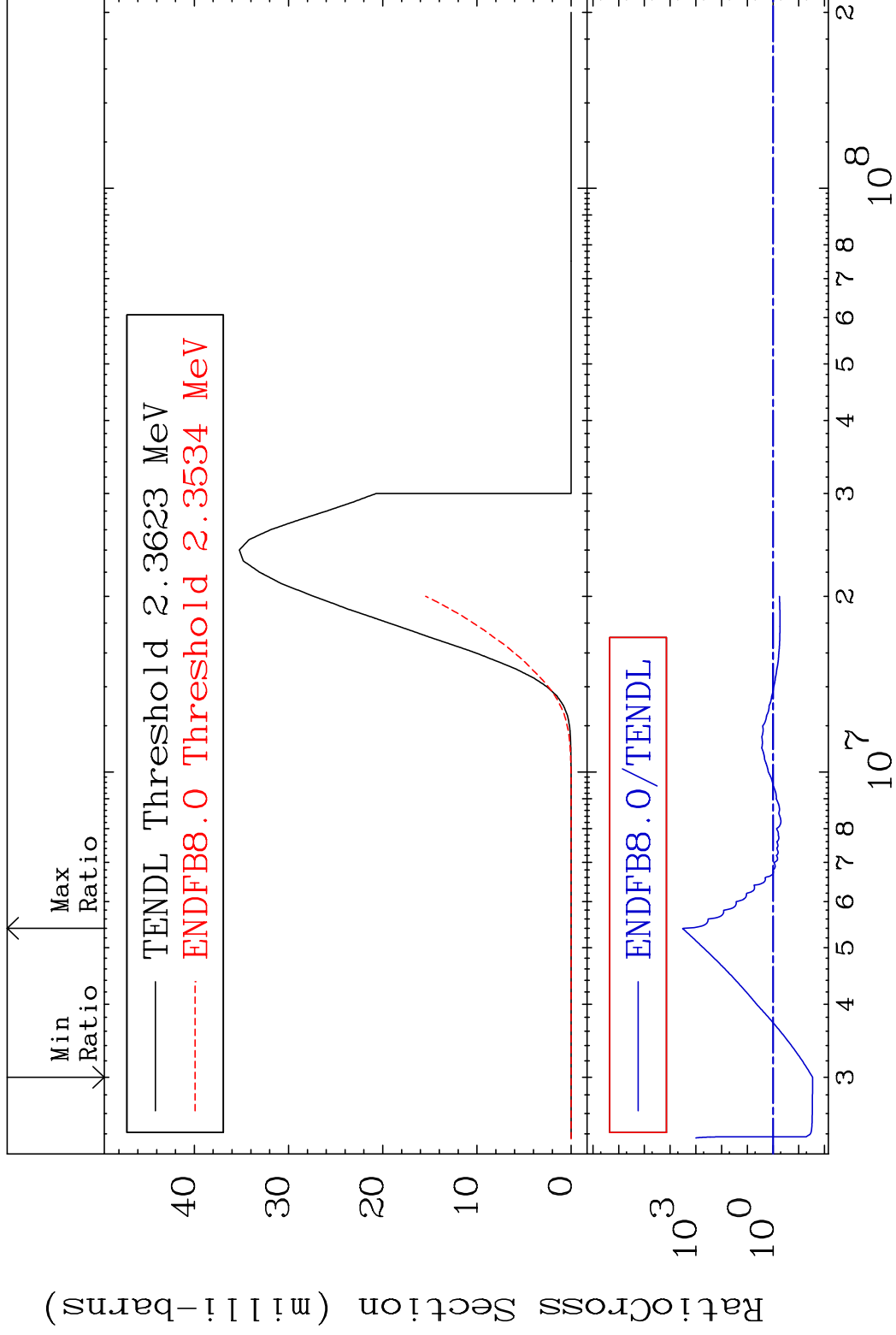
44-Ru-99

MAT 4434

(n, n') α

44-Ru-99

Cross Section -97.09 To 9999. %



6

Incident Energy (eV)

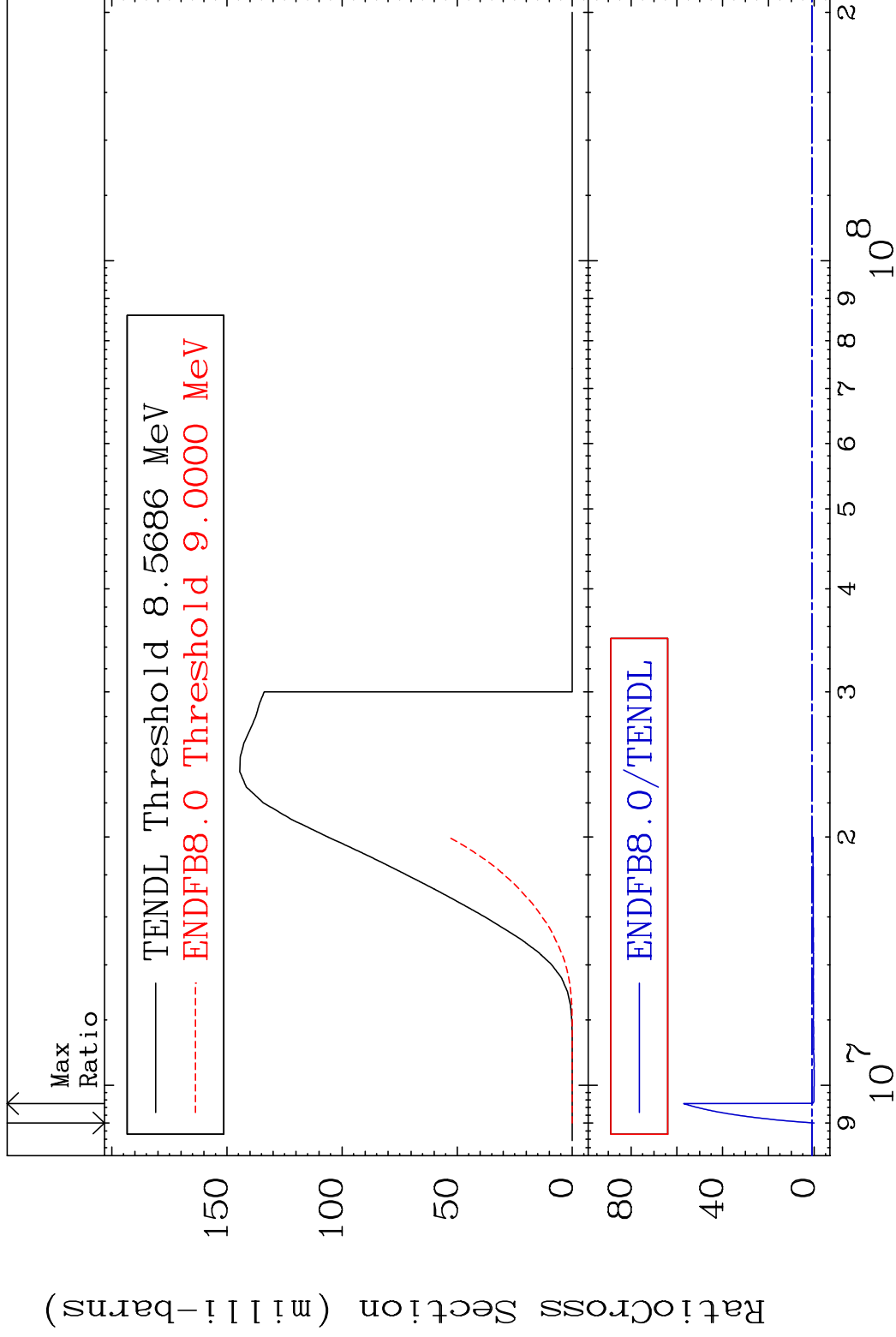
44-Ru-99

MAT 4434

(n, n') p

44-Ru-99

Cross Section -100.0 To 5603. %



7

Incident Energy (eV)

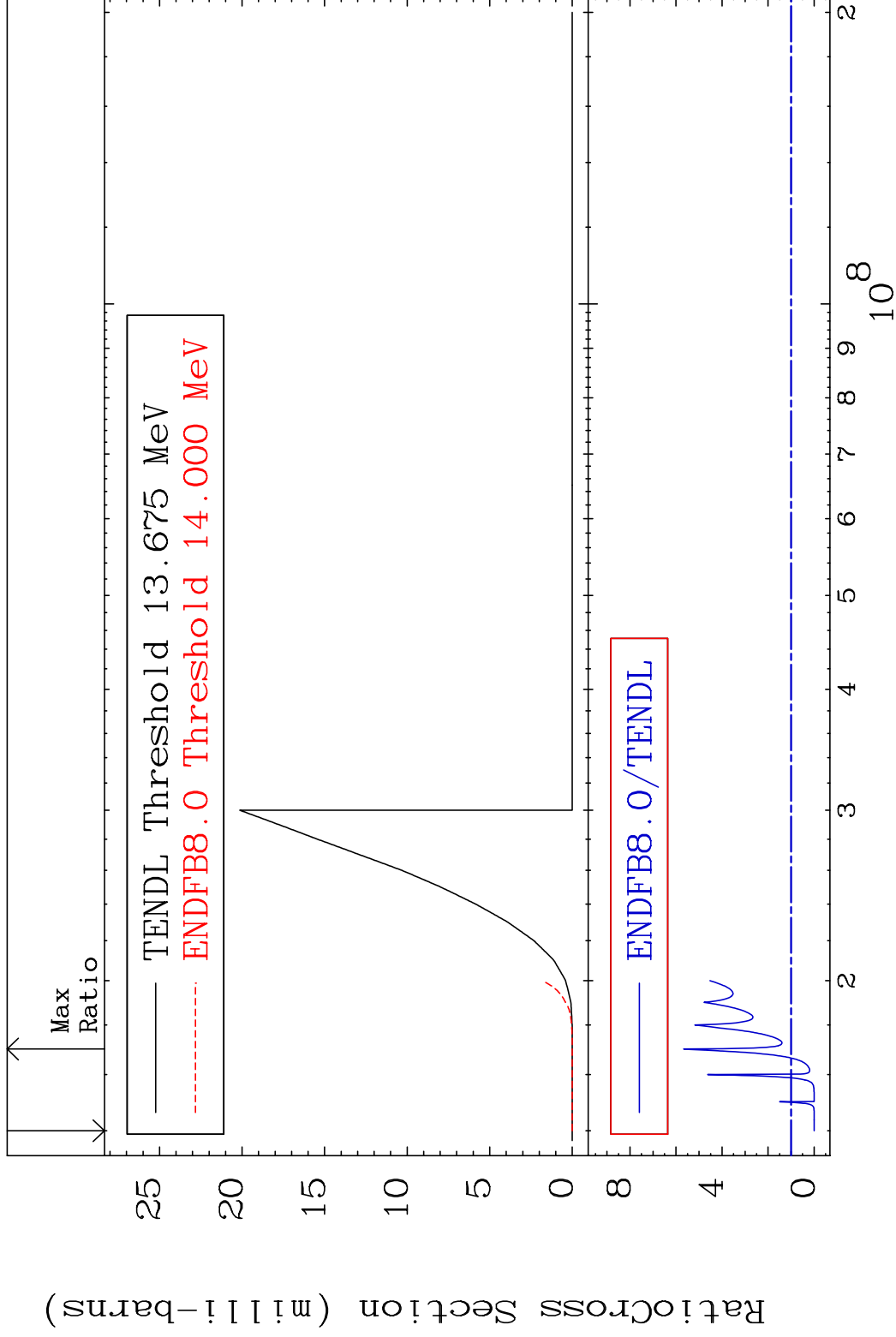
44-Ru-99

MAT 4434

(n, n') d

44-Ru-99

Cross Section -100.0 To 466.8 %

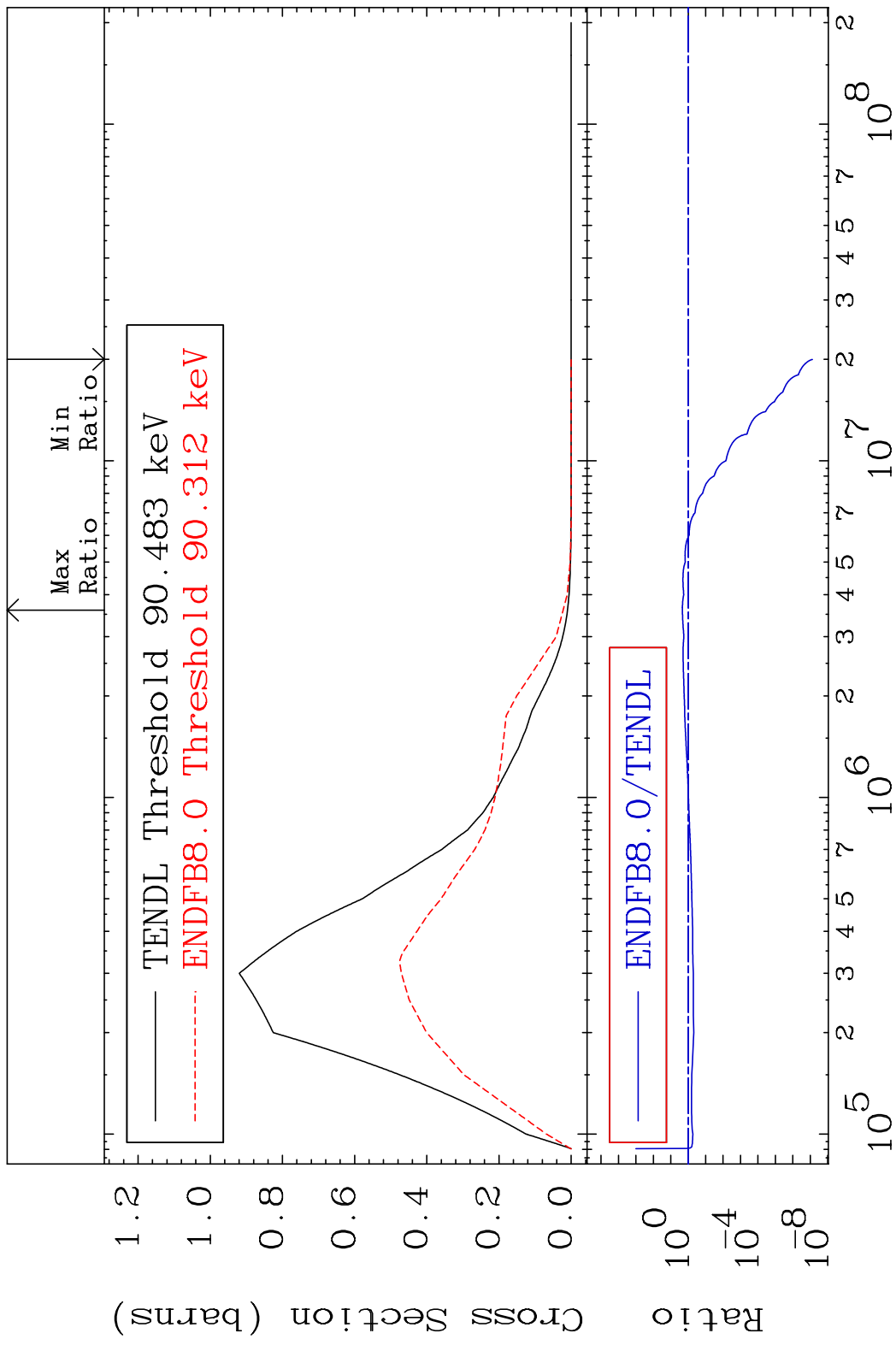


8

Incident Energy (eV)

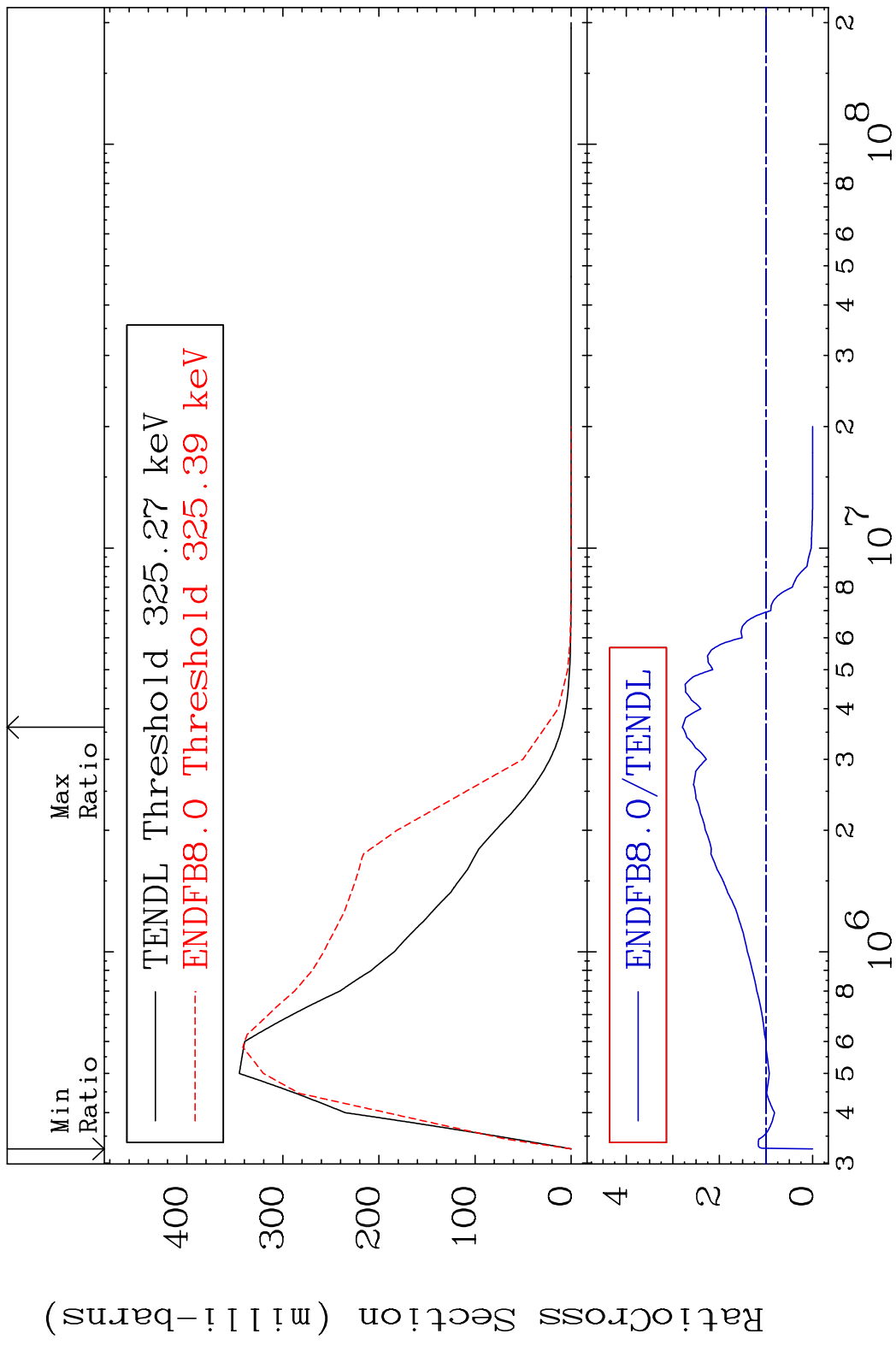
44-Ru-99

MAT 4434 MT= 51 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 117.2 %



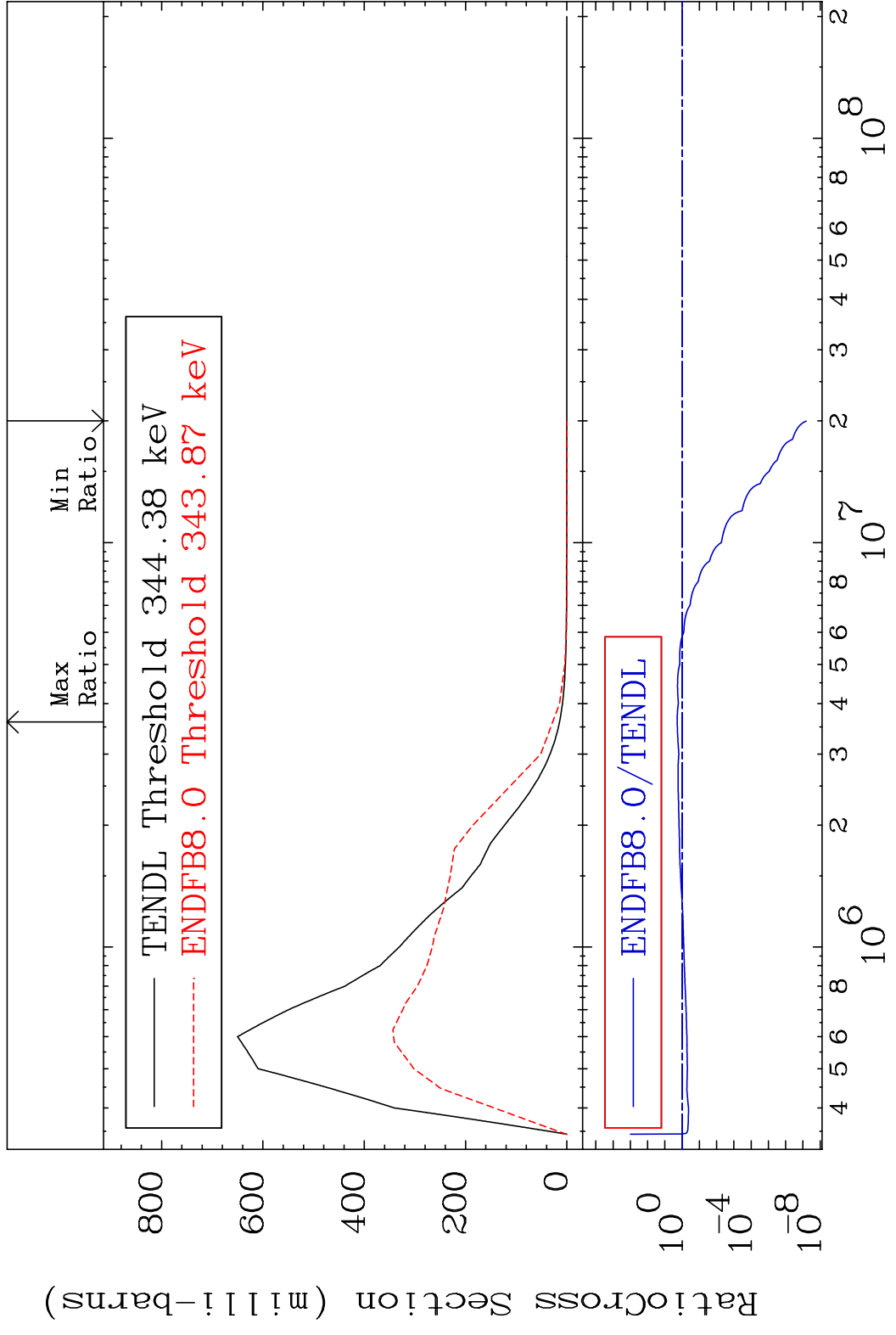
9 Incident Energy (eV) 44-Ru-99

MAT 4434 MT= 52 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 179.6 %

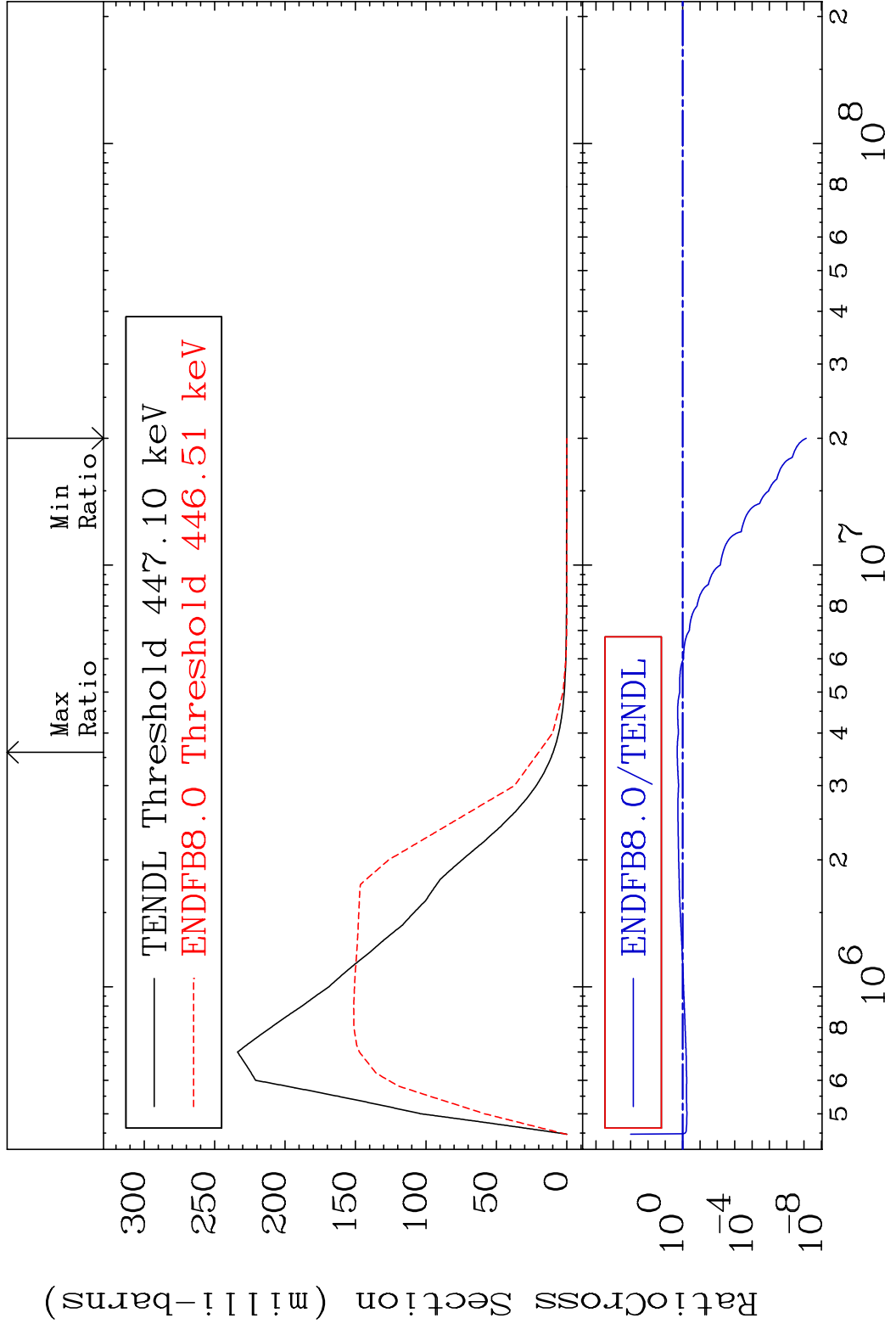


10 Incident Energy (eV) 44-Ru-99

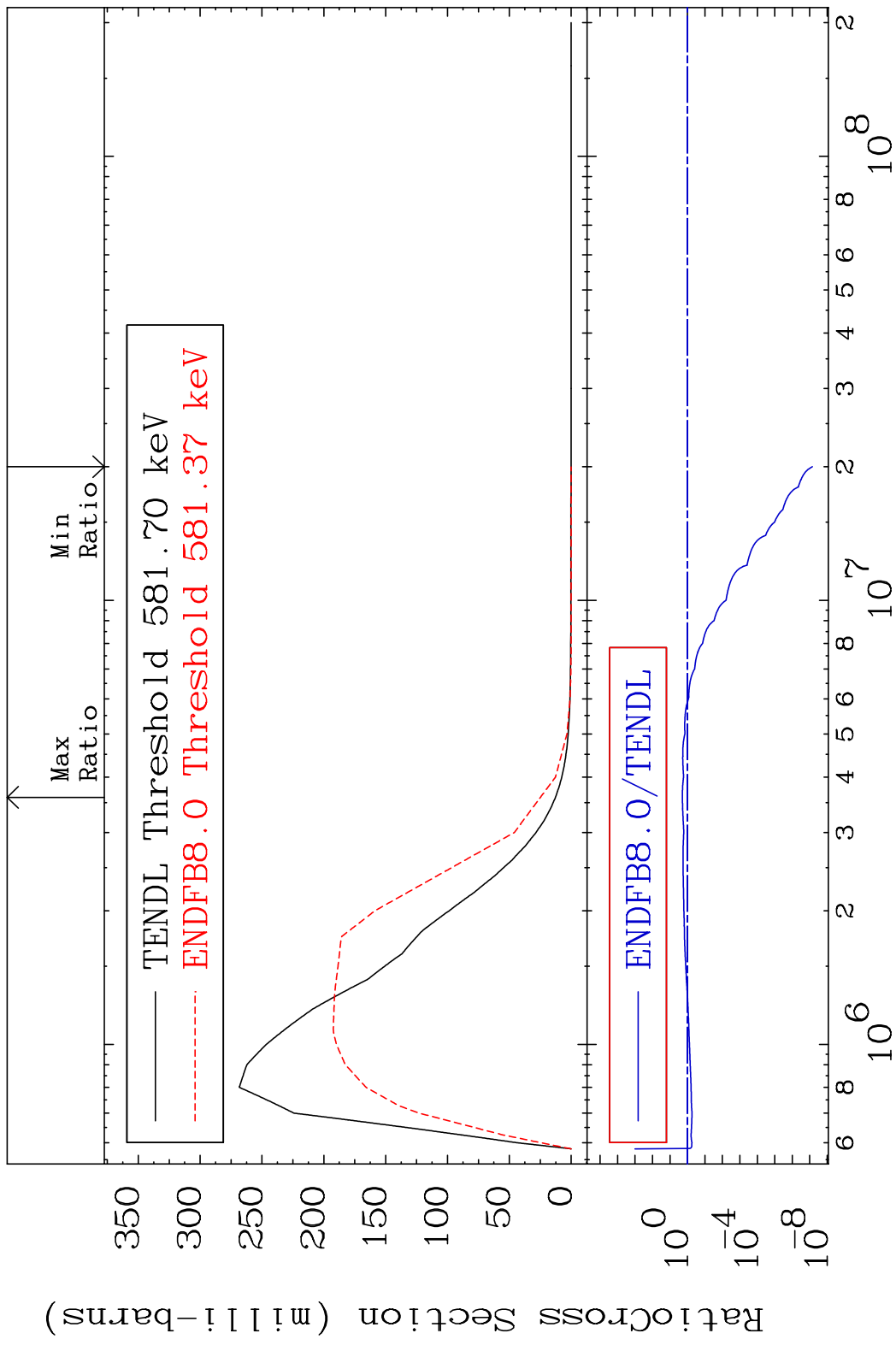
MAT 4434 MT= 53 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 93.13 %



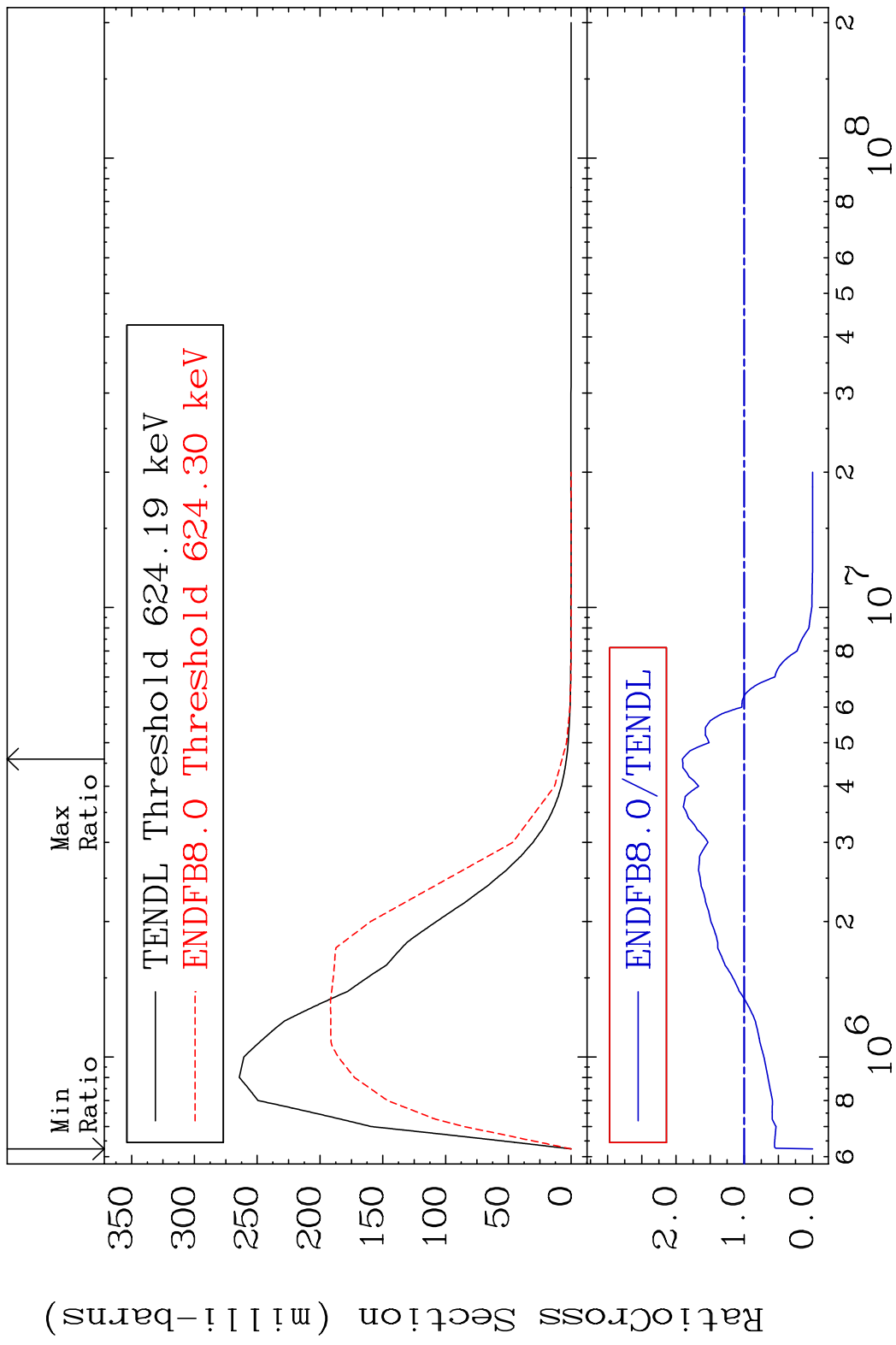
MAT 4434 MT= 54 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 106.0 %



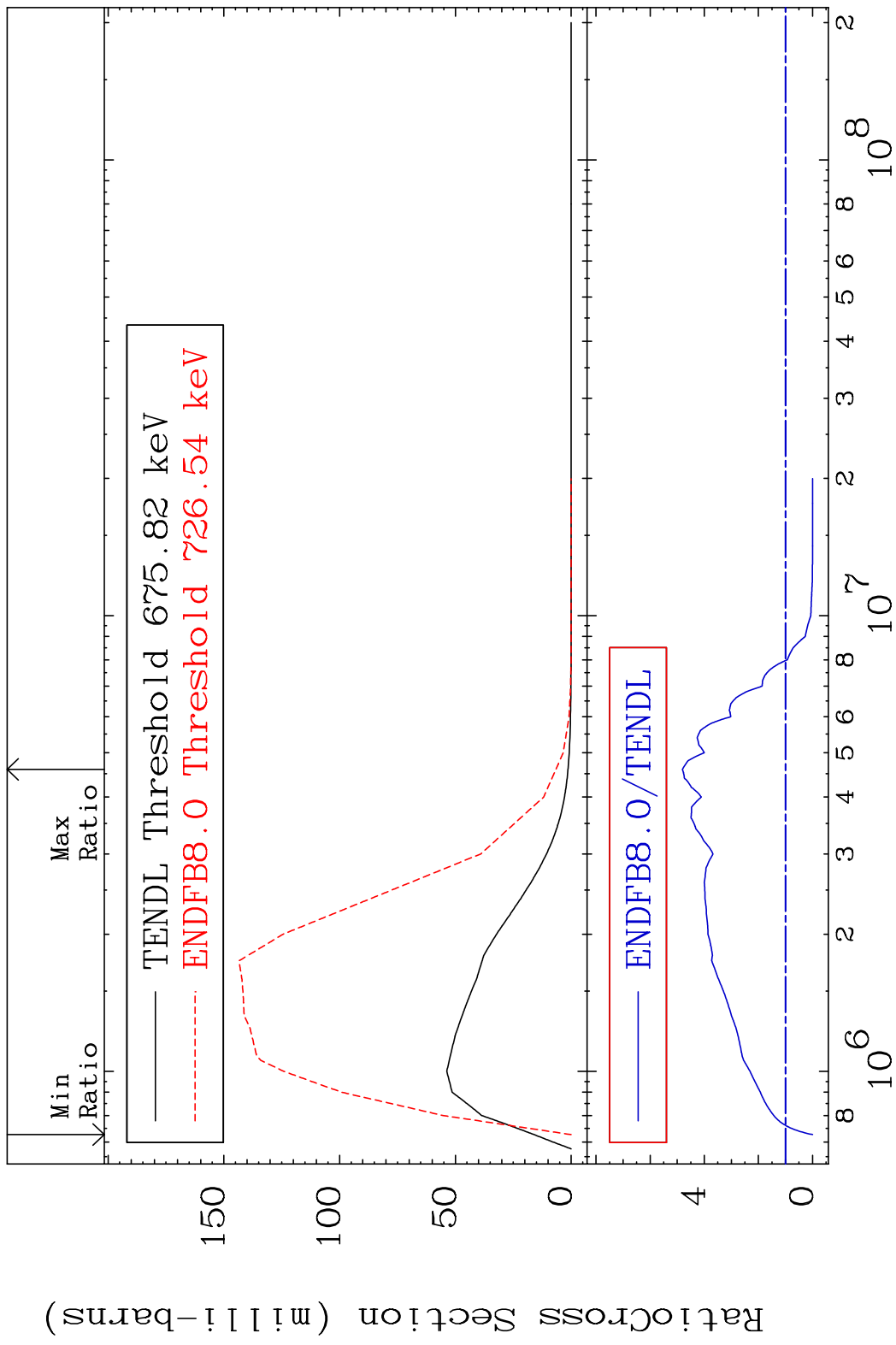
MAT 4434 MT= 55 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 95.82 %



MAT 4434 MT= 56 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 90.62 %

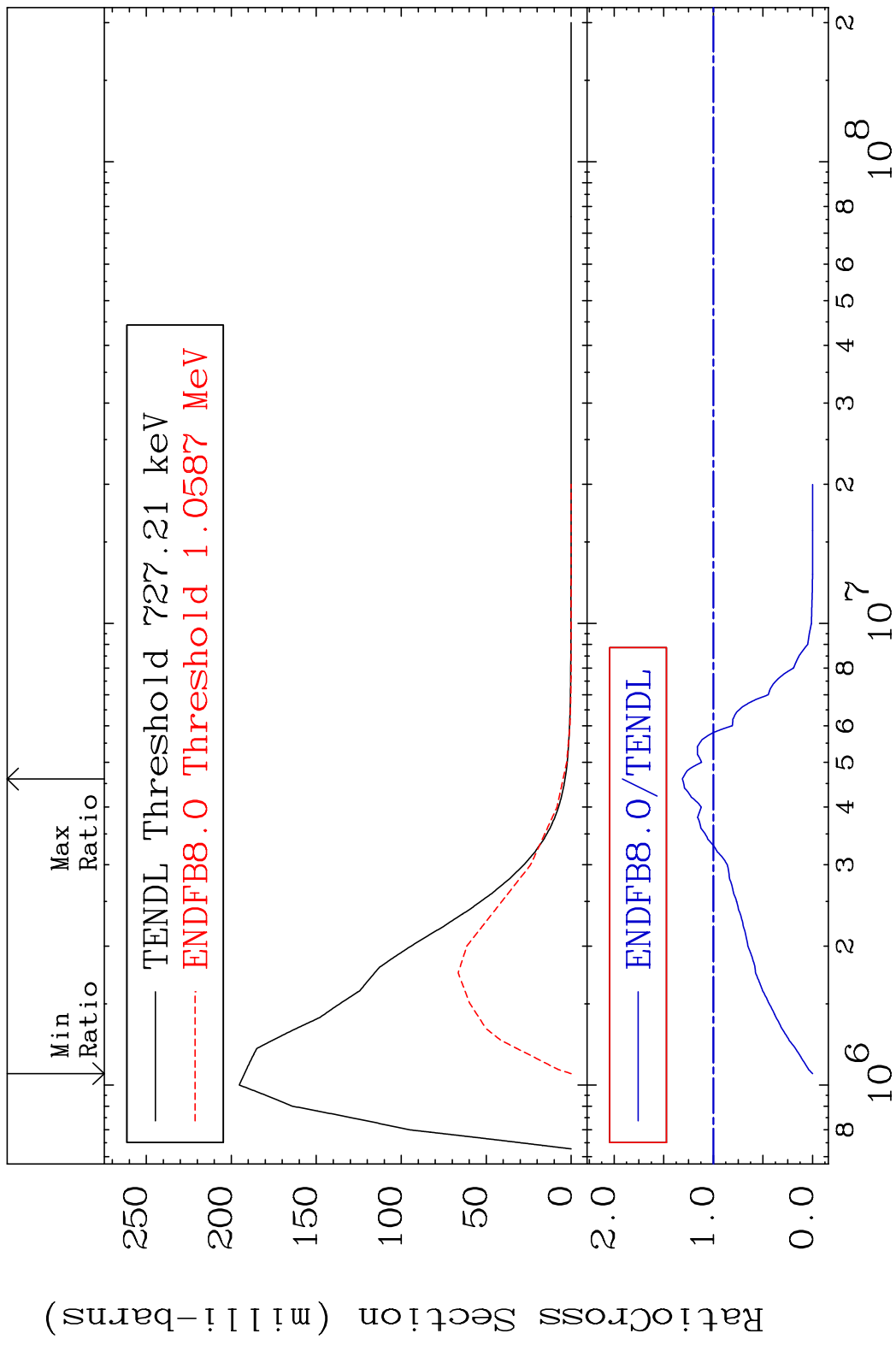


MAT 4434 MT= 57 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 381.1 %



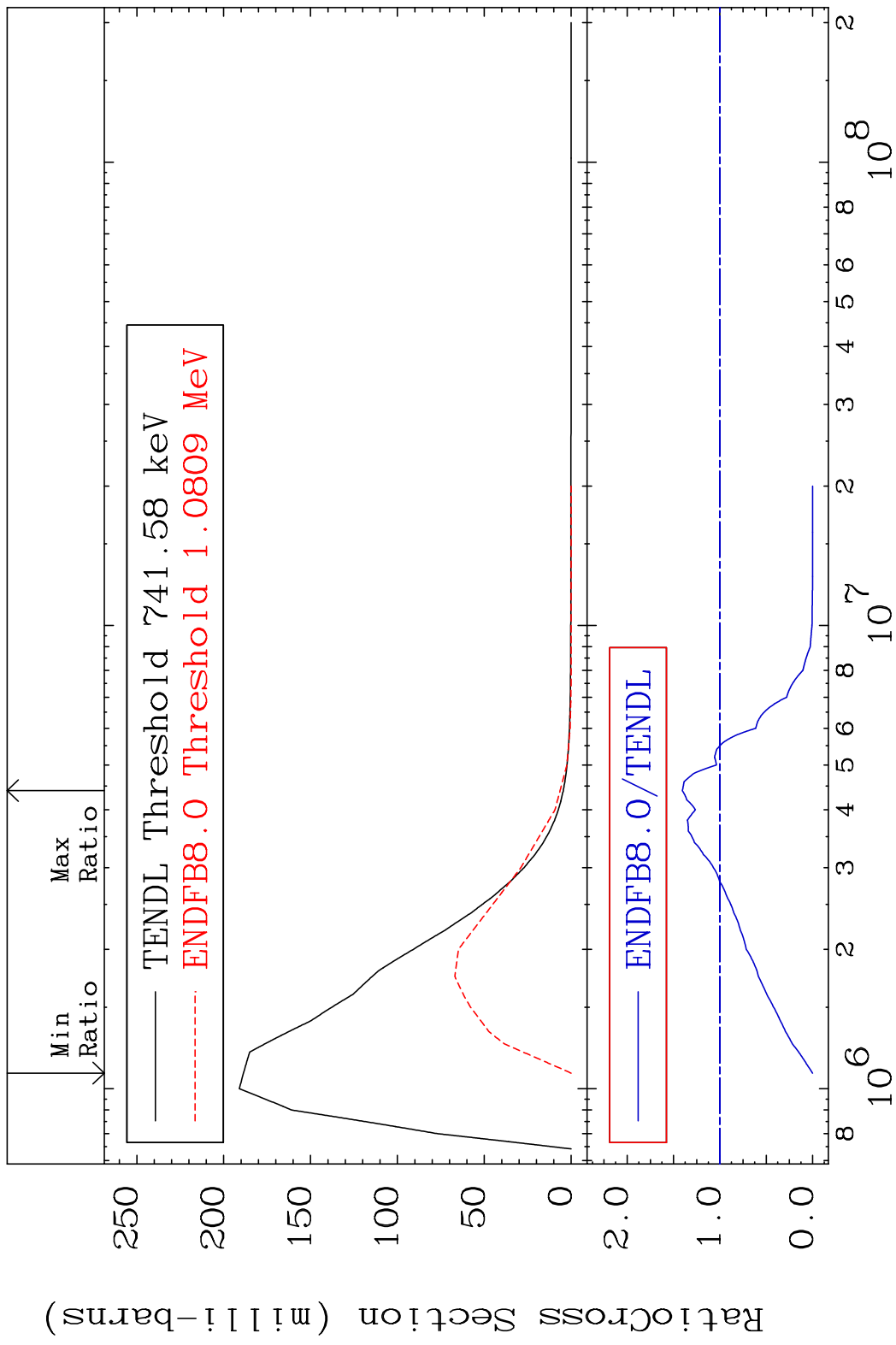
15 44-Ru-99

MAT 4434 MT= 58 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 31.24 %

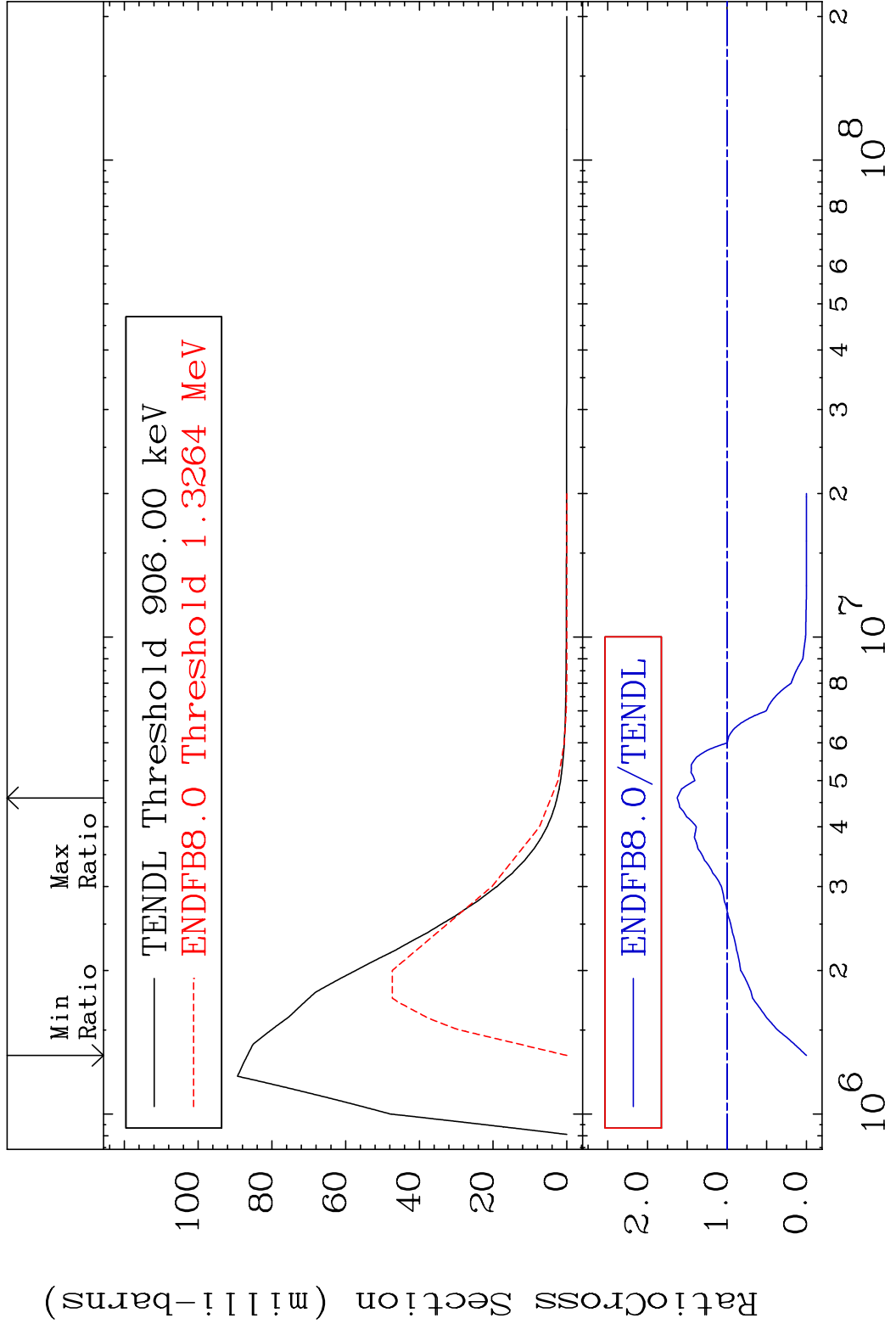


16 44-Ru-99

MAT 4434 MT= 59 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 40.48 %

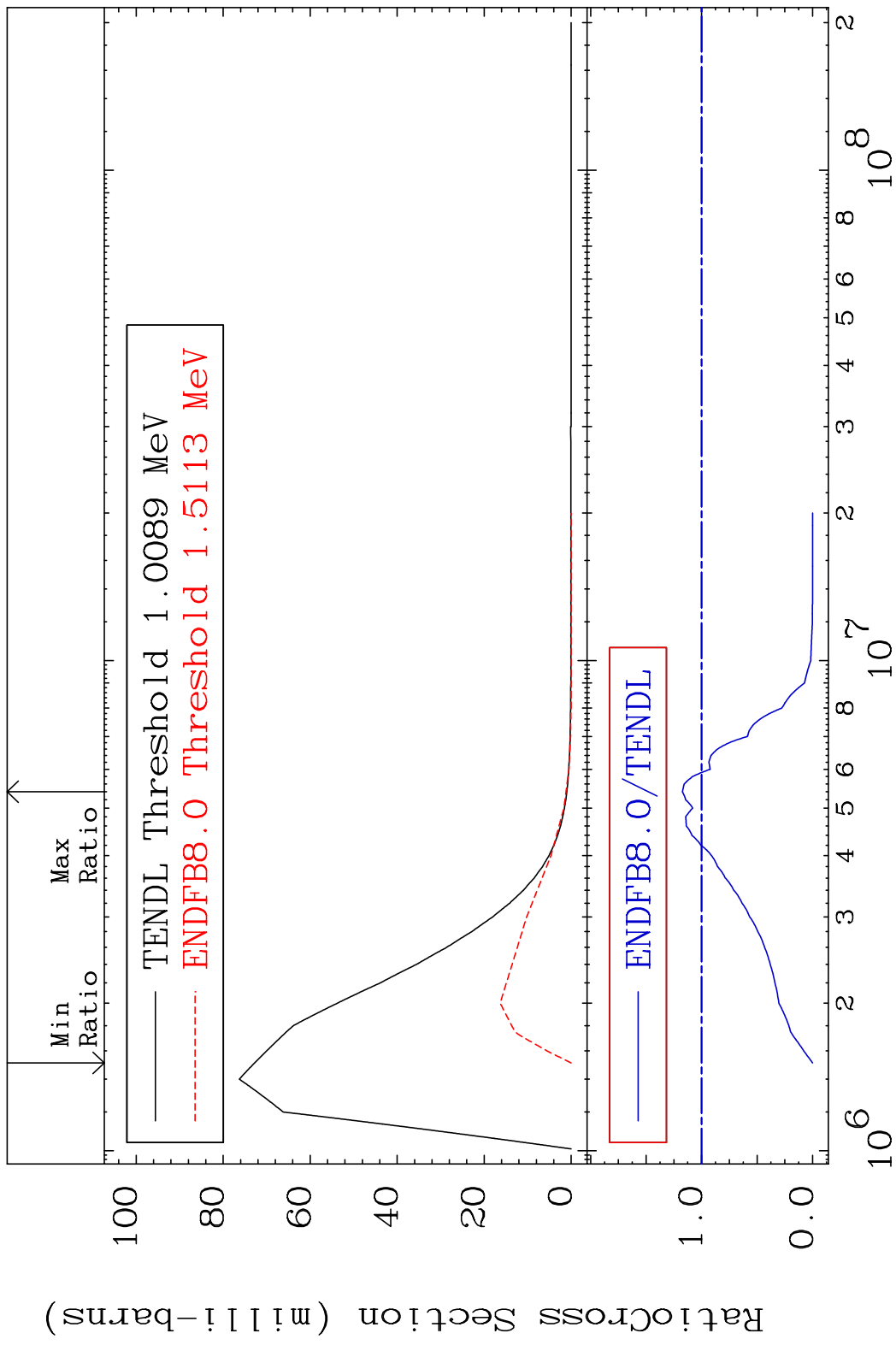


MAT 4434 MT= 60 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 62.66 %



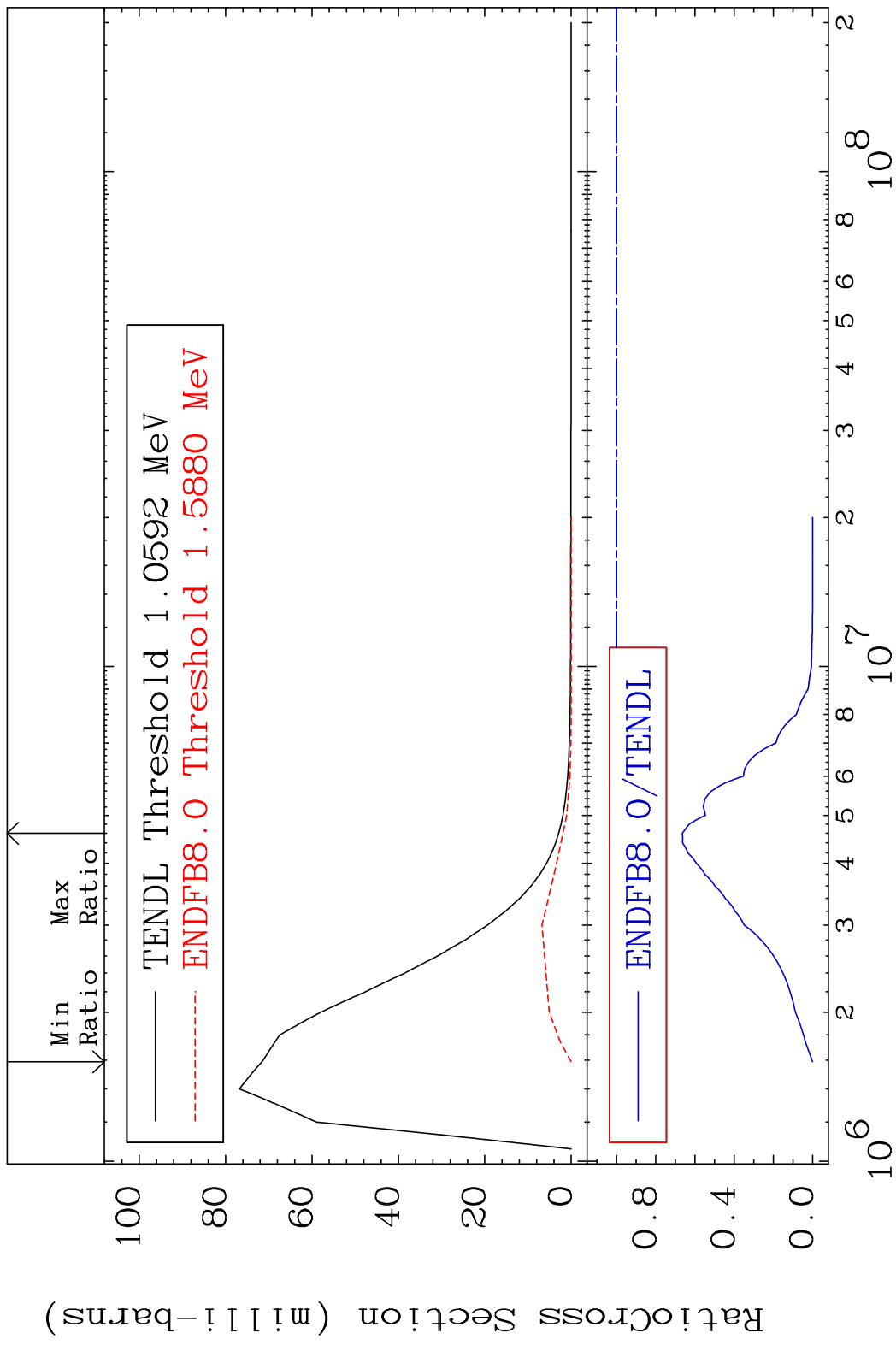
18 Incident Energy (eV) 44-Ru-99

MAT 4434 MT= 61 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 17.36 %



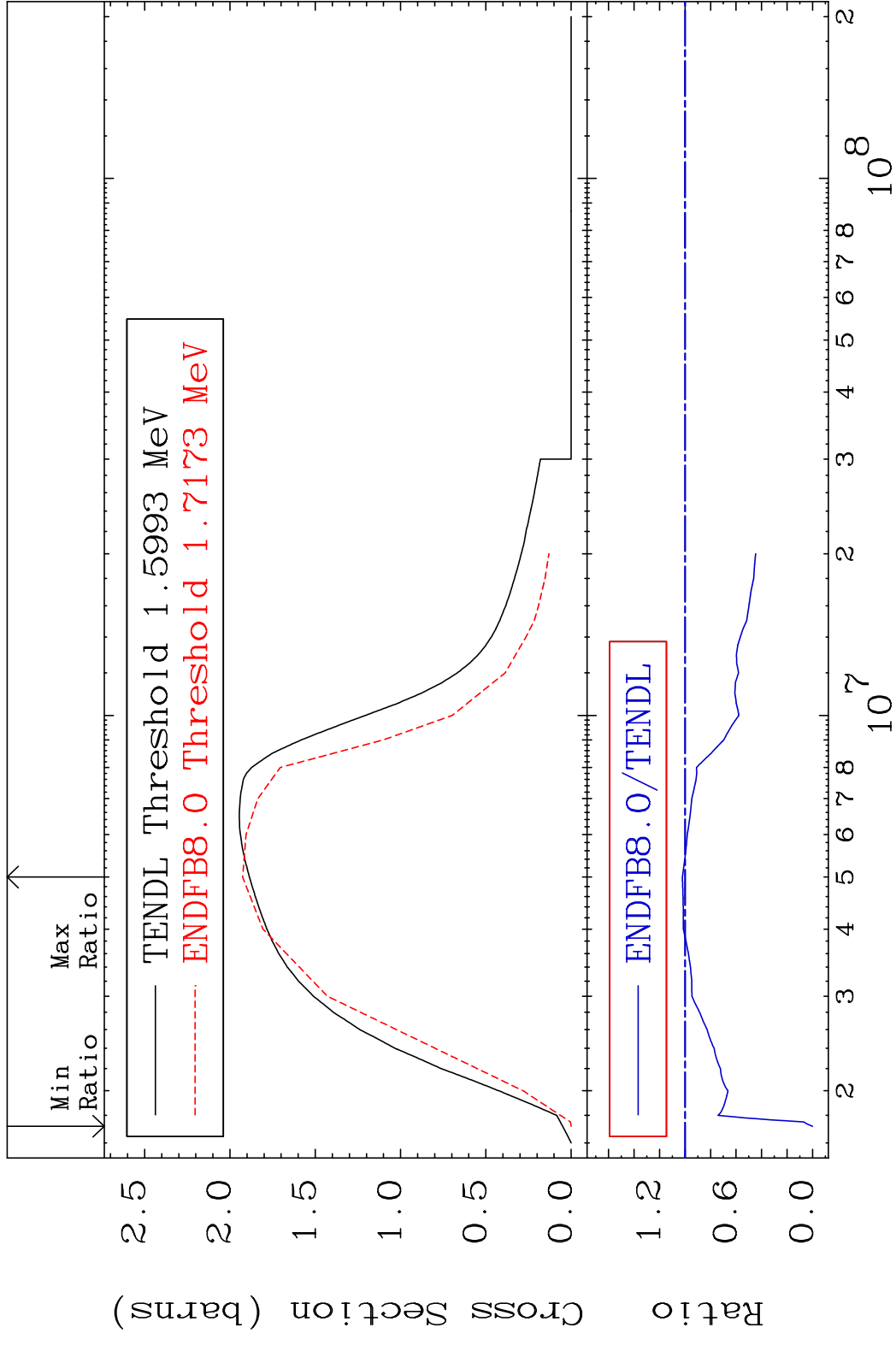
19 19 Incident Energy (eV) 44-Ru-99

MAT 4434 MT= 62 (n, n') Level 44-Ru-99
 Cross Section -100.0 To -33.61%



20 Incident Energy (eV) 44-Ru-99

MAT 4434 (n,n') Continuum 44-Ru-99
 Cross Section -100.0 To 2.121 %

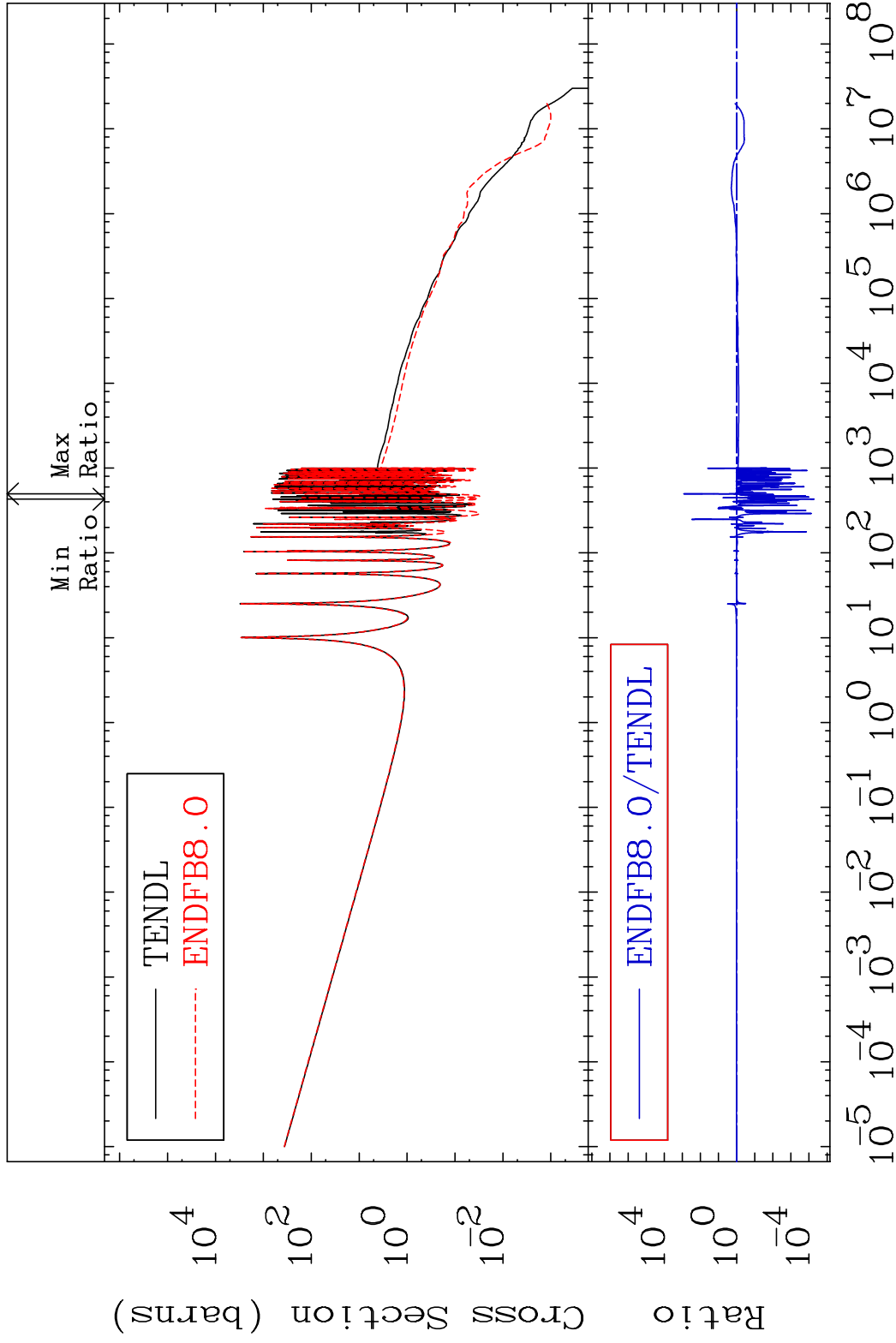


MAT 4434

(n, γ)

44-Ru-99

Cross Section -99.99 To 9999. %



22

Incident Energy (eV)

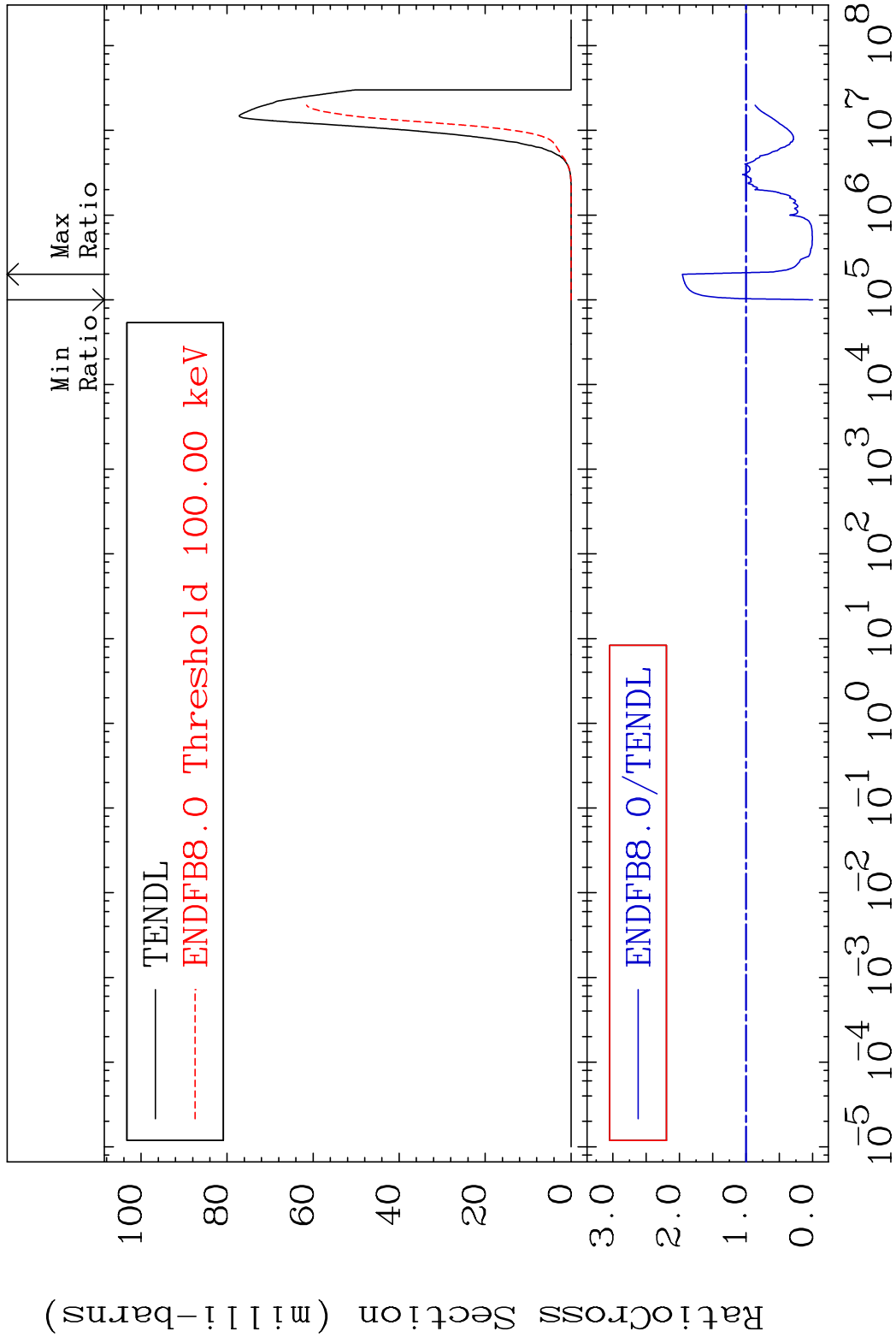
44-Ru-99

MAT 4434

(n, p)

44-Ru-99

Cross Section -100.0 To 95.64 %



23

Incident Energy (eV)

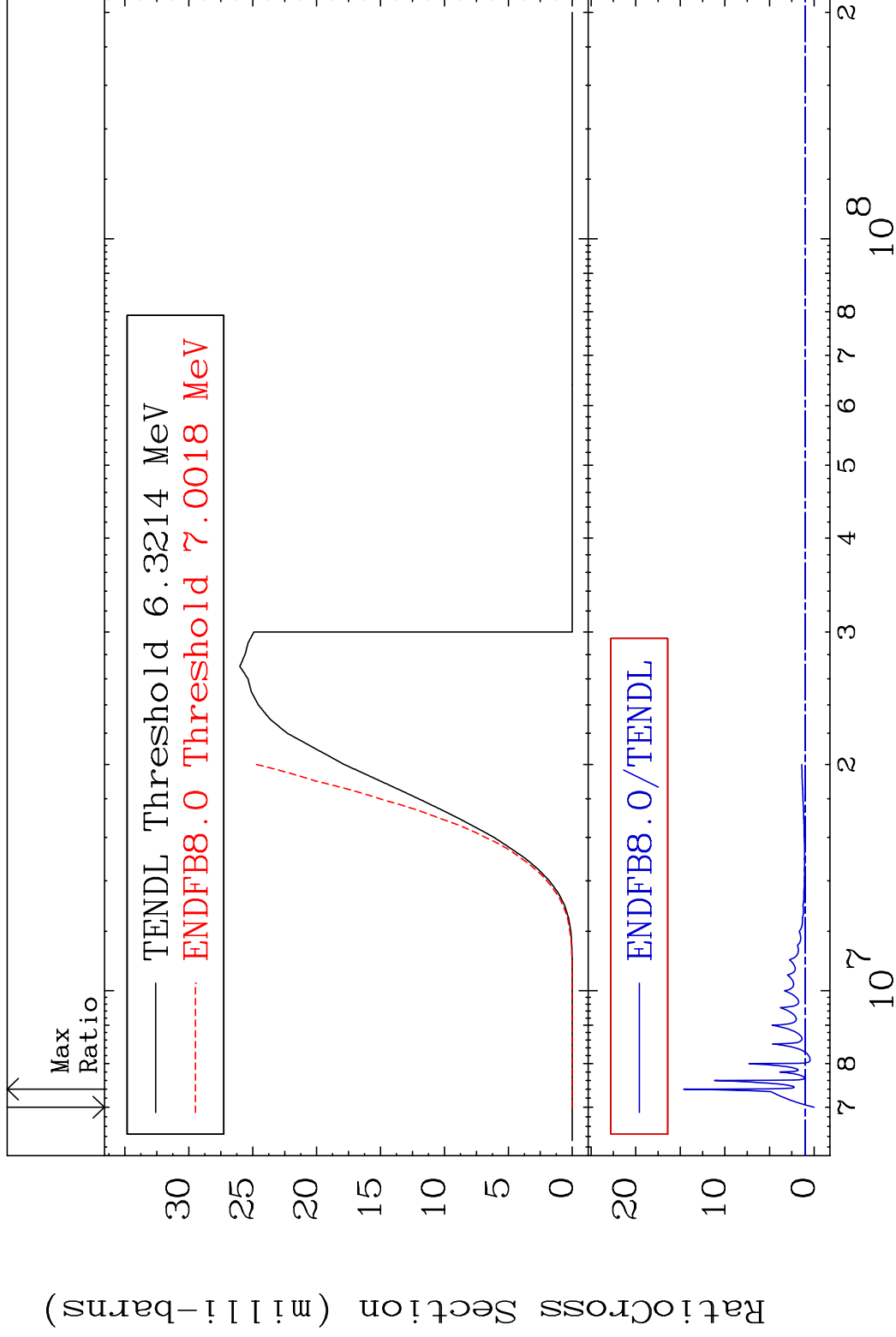
44-Ru-99

MAT 4434

(n,d)

44-Ru-99

Cross Section -100.0 To 1362. %



24

Incident Energy (eV)

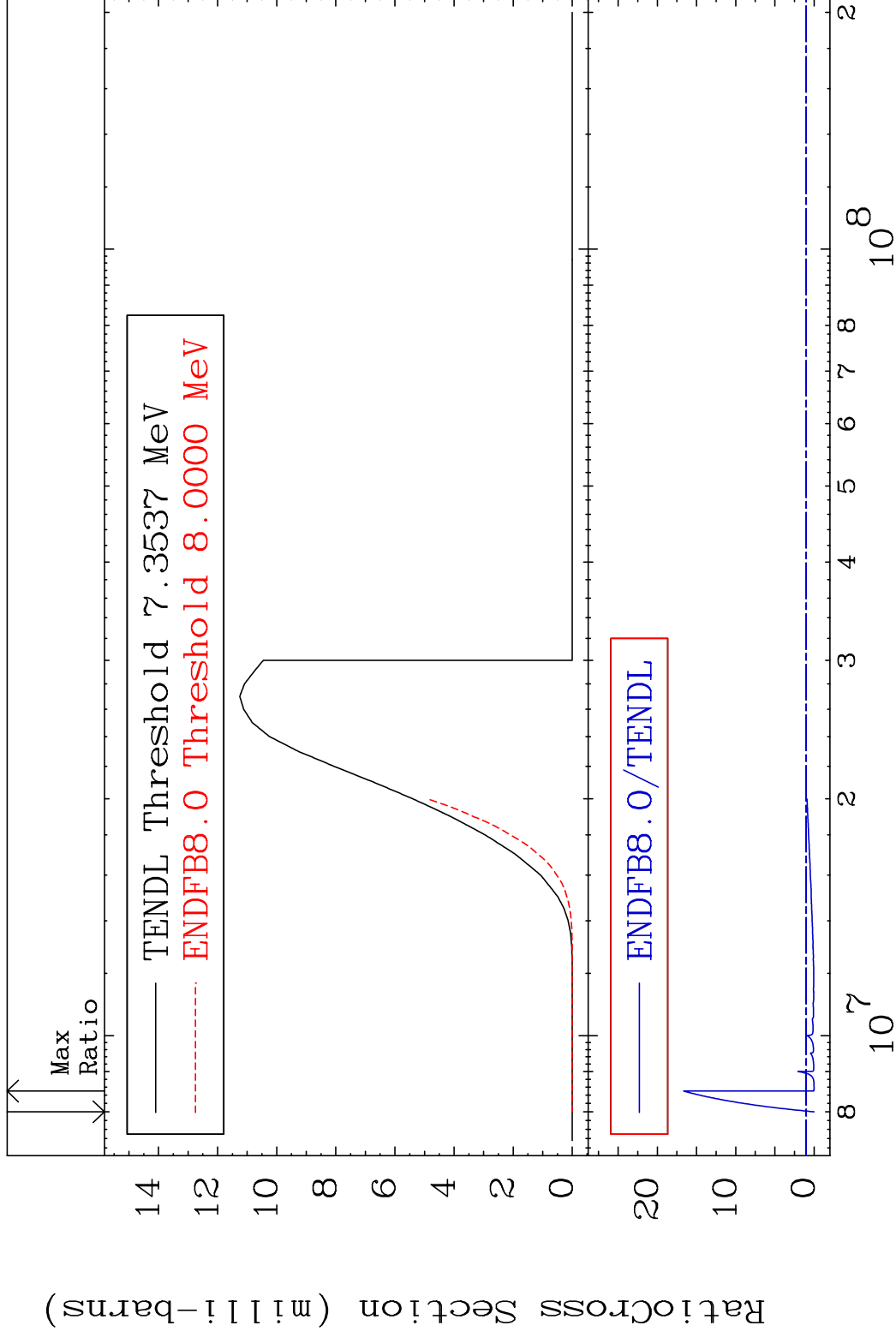
44-Ru-99

MAT 4434

(n, t)

44-Ru-99

Cross Section -100.0 To 1564. %



25

Incident Energy (eV)

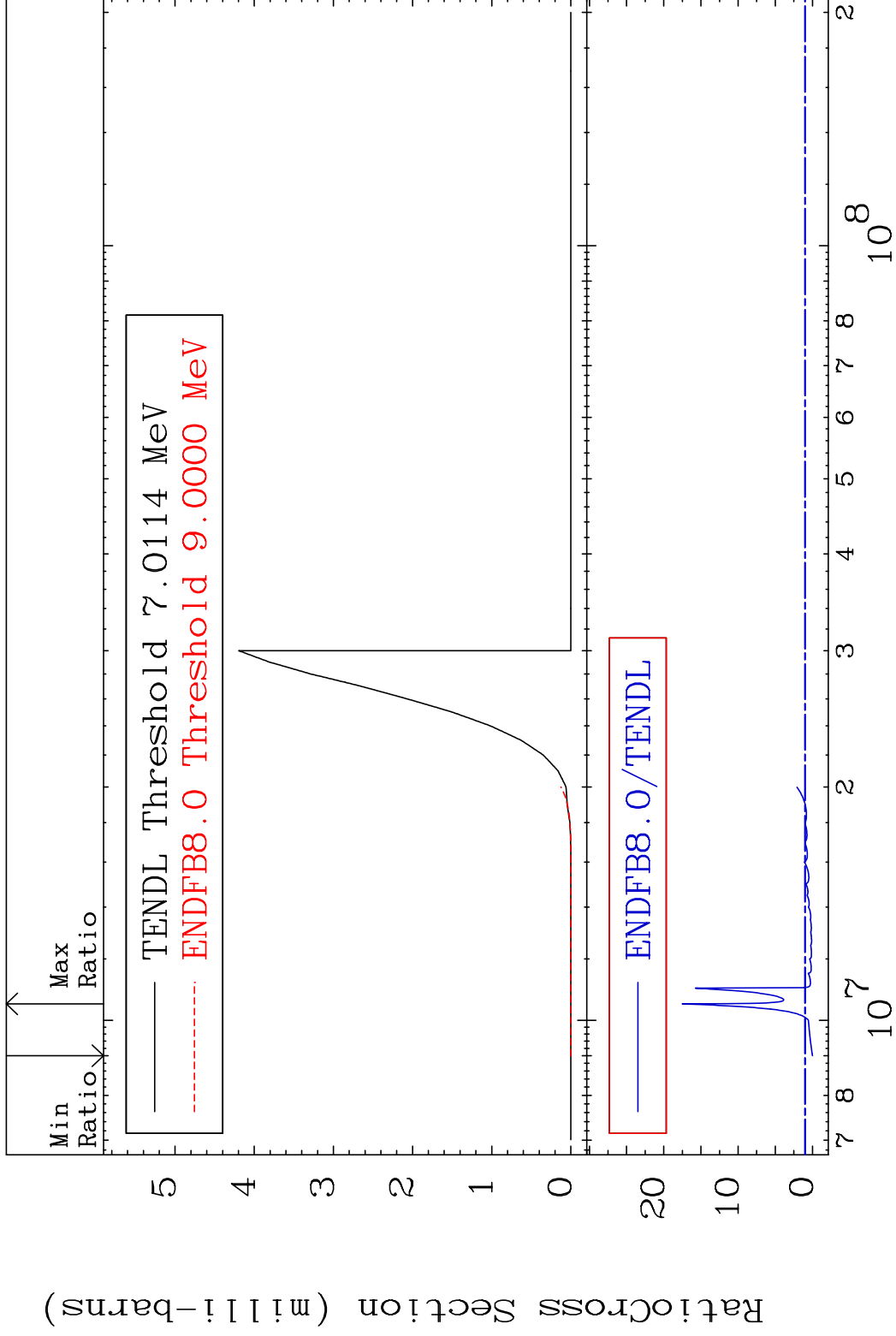
44-Ru-99

MAT 4434

(n, He-3)

44-Ru-99

Cross Section -100.0 To 1653. %



26

Incident Energy (eV)

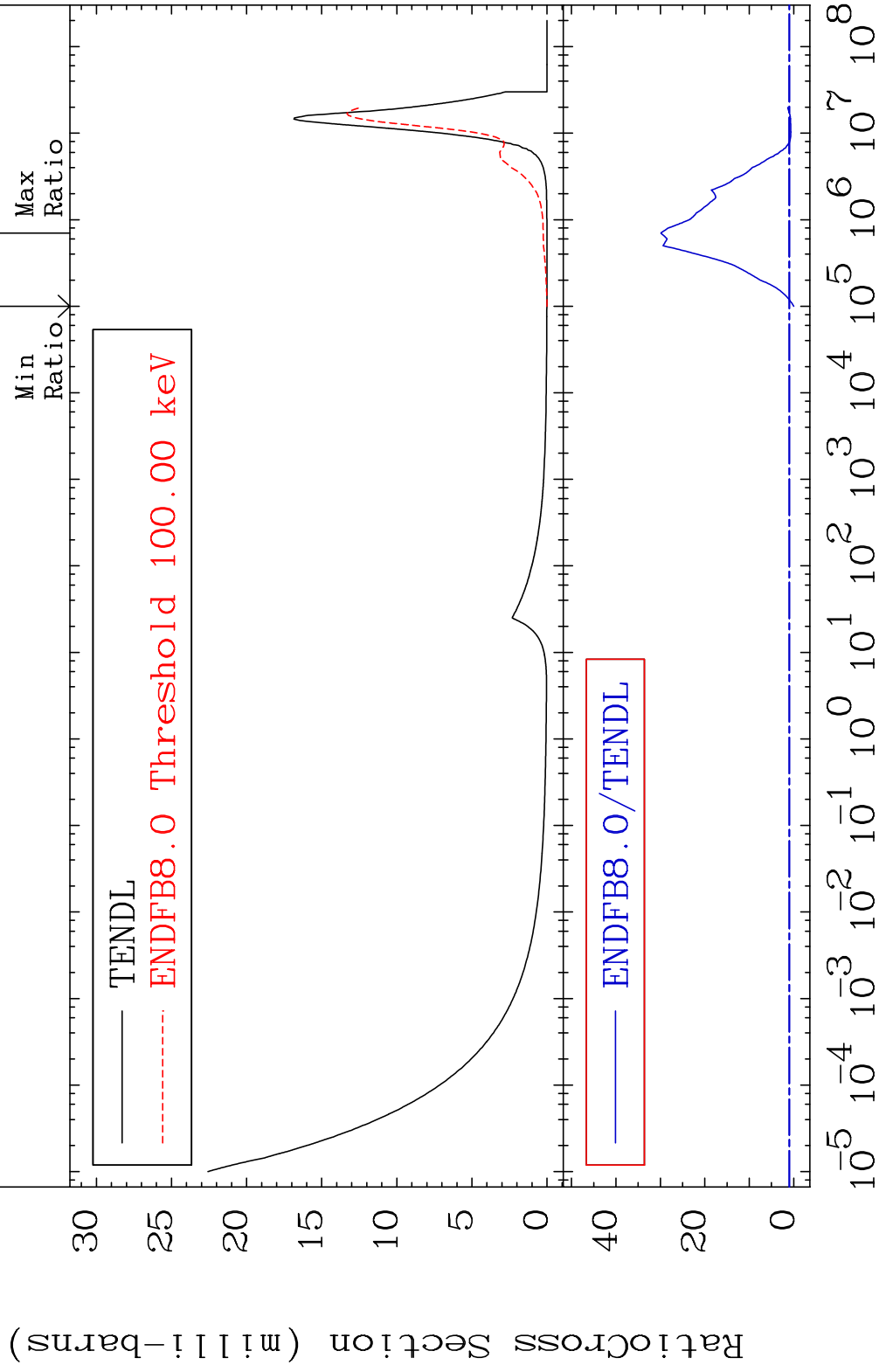
44-Ru-99

MAT 4434

(n, α)

44-Ru-99

Cross Section -100.0 To 2894. %



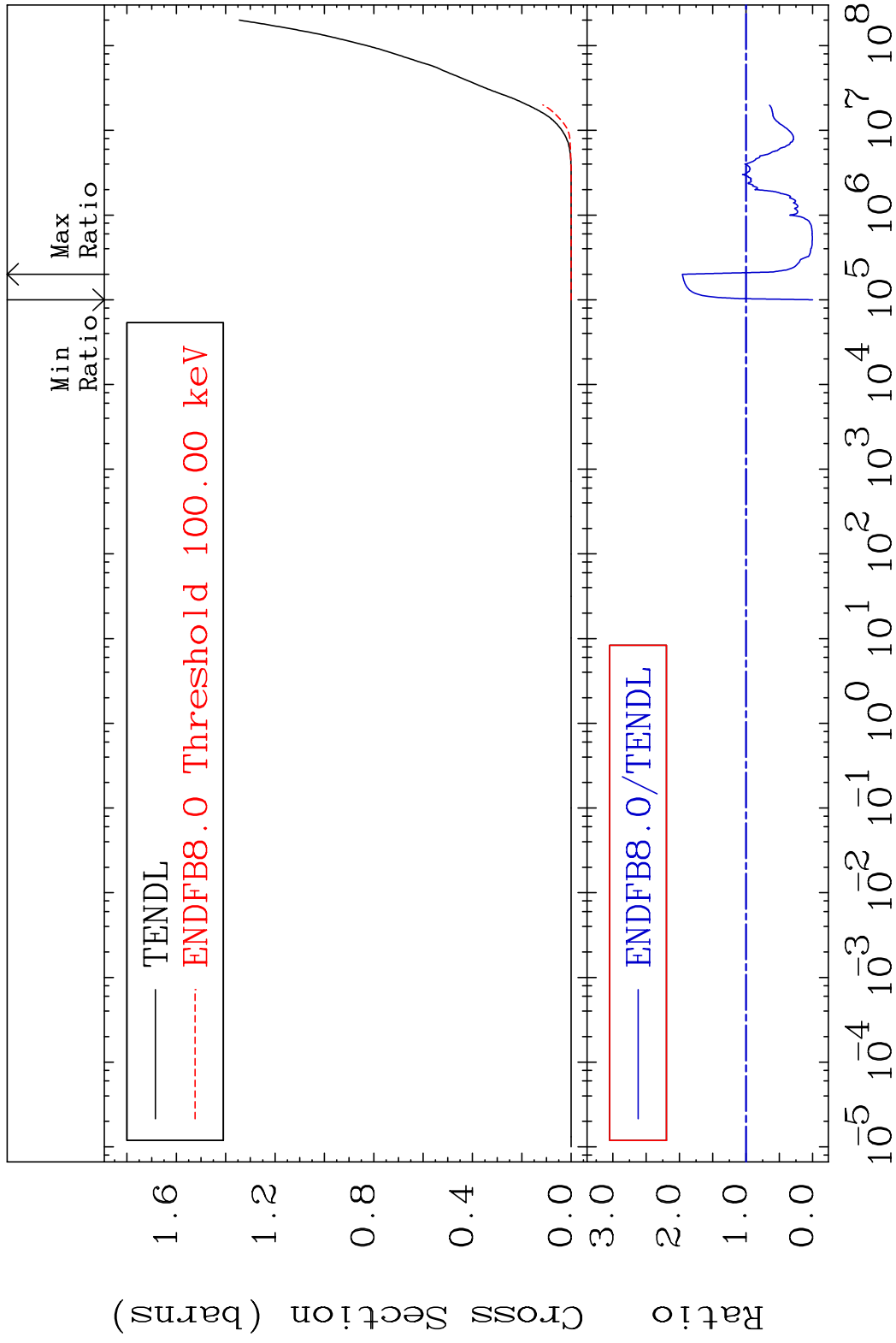
27

Incident Energy (eV)

44-Ru-99

MAT 4434

Hydrogen Production 44-Ru-99
Cross Section -100.0 To 95.64 %



28

Incident Energy (eV)

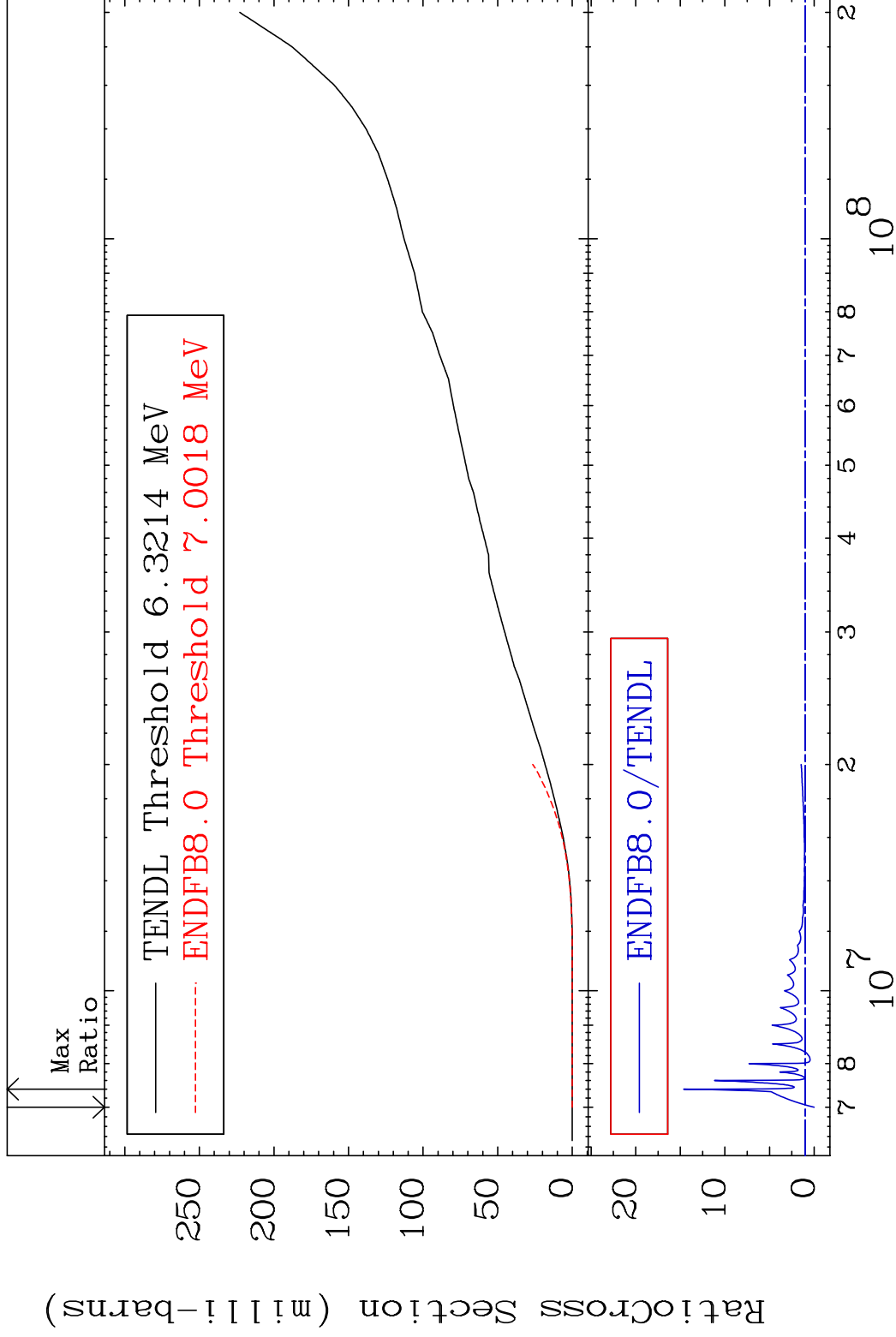
44-Ru-99

MAT 4434

Deuterium Production

44-Ru-99

Cross Section -100.0 To 1362. %



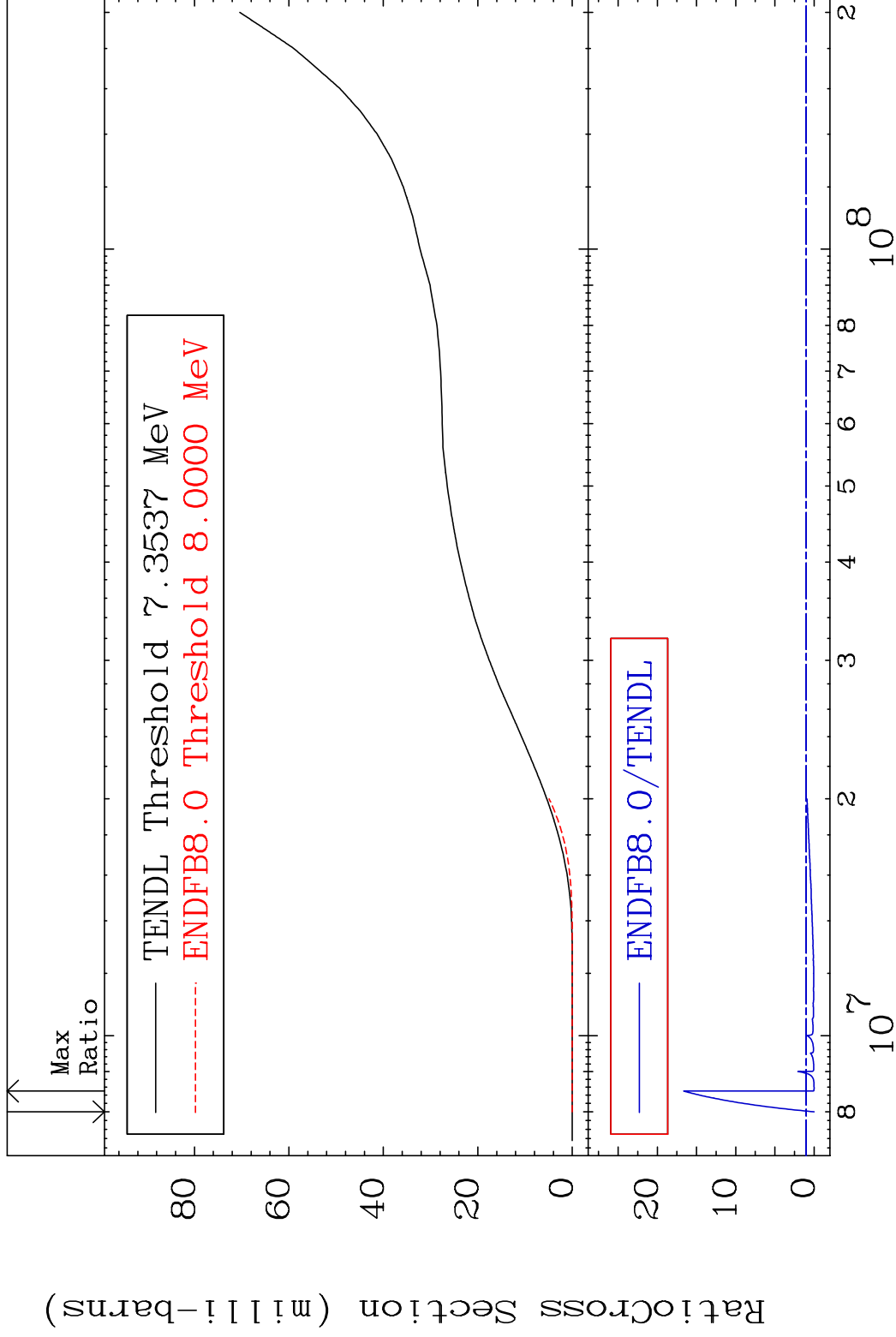
29

MAT 4434

Tritium Production

44-Ru-99

Cross Section -100.0 To 1564. %



30

Incident Energy (eV)

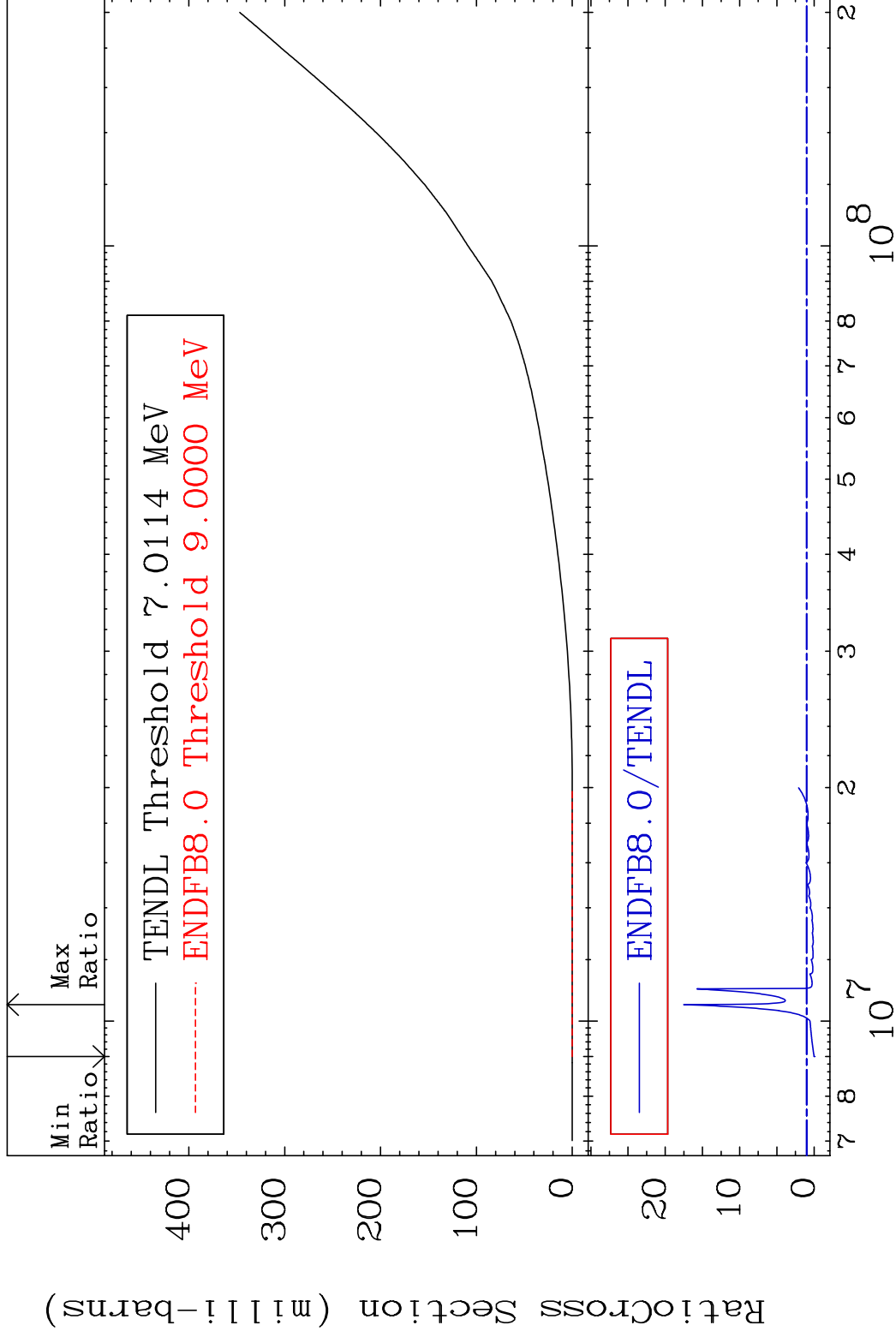
44-Ru-99

MAT 4434

He-3 Production

44-Ru-99

Cross Section -100.0 To 1653. %



31

Incident Energy (eV)

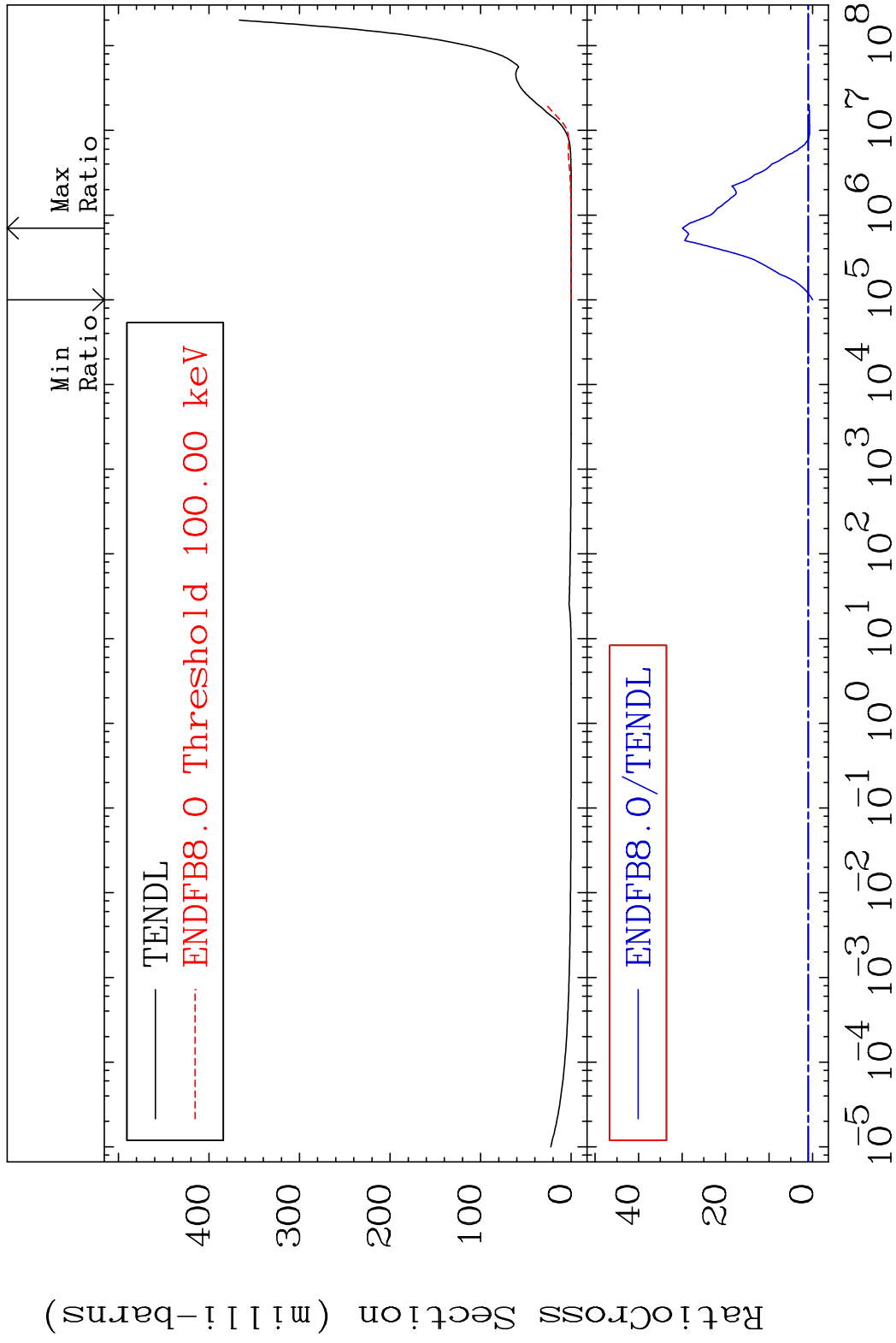
44-Ru-99

MAT 4434

He-4 Production

44-Ru-99

Cross Section -100.0 To 2894. %

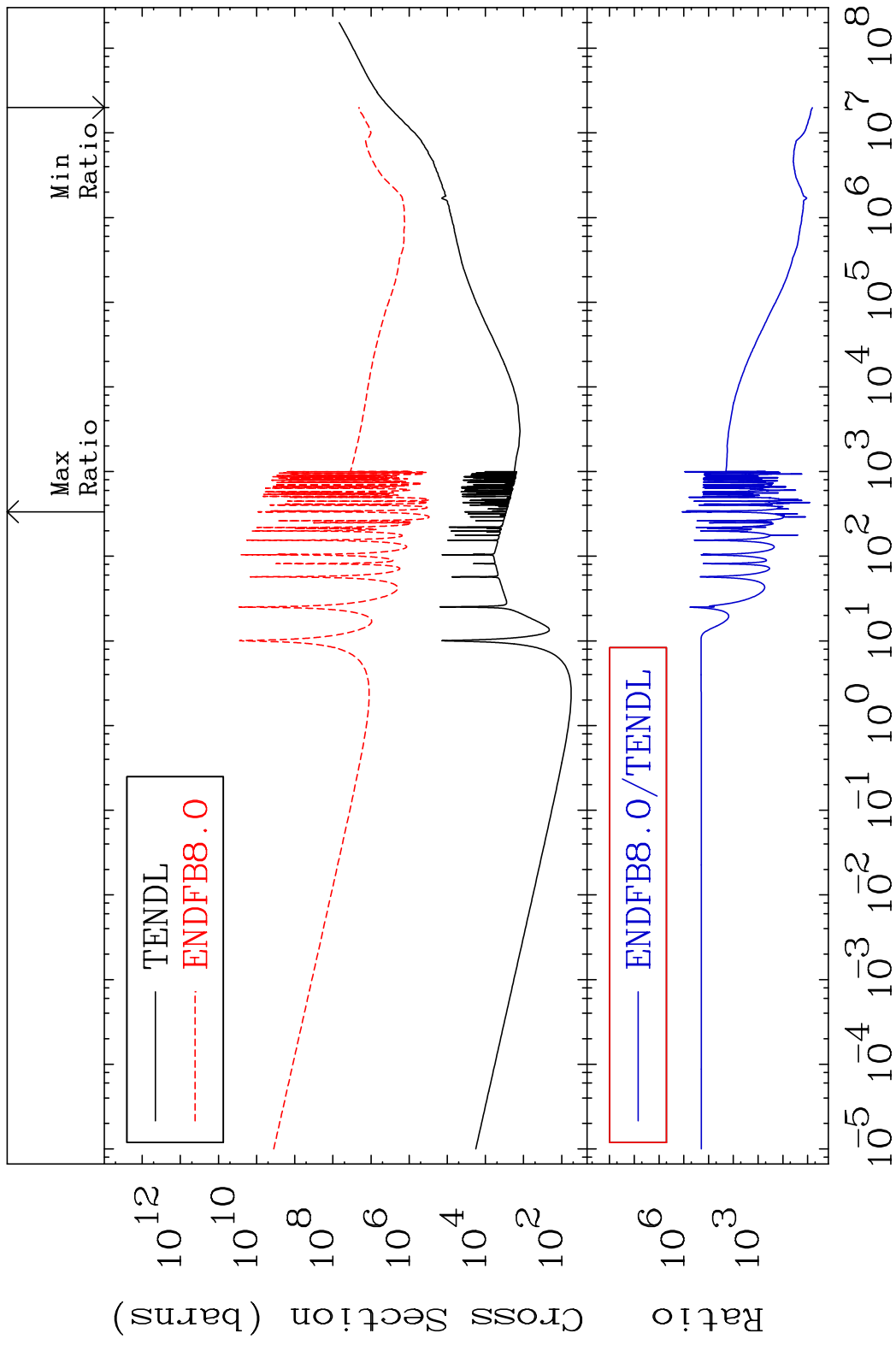


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Incident Energy (eV)

44-Ru-99

MAT 4434 Kerma total (eV-barns) 44-Ru-99
 Cross Section 533.2 To 9999. %

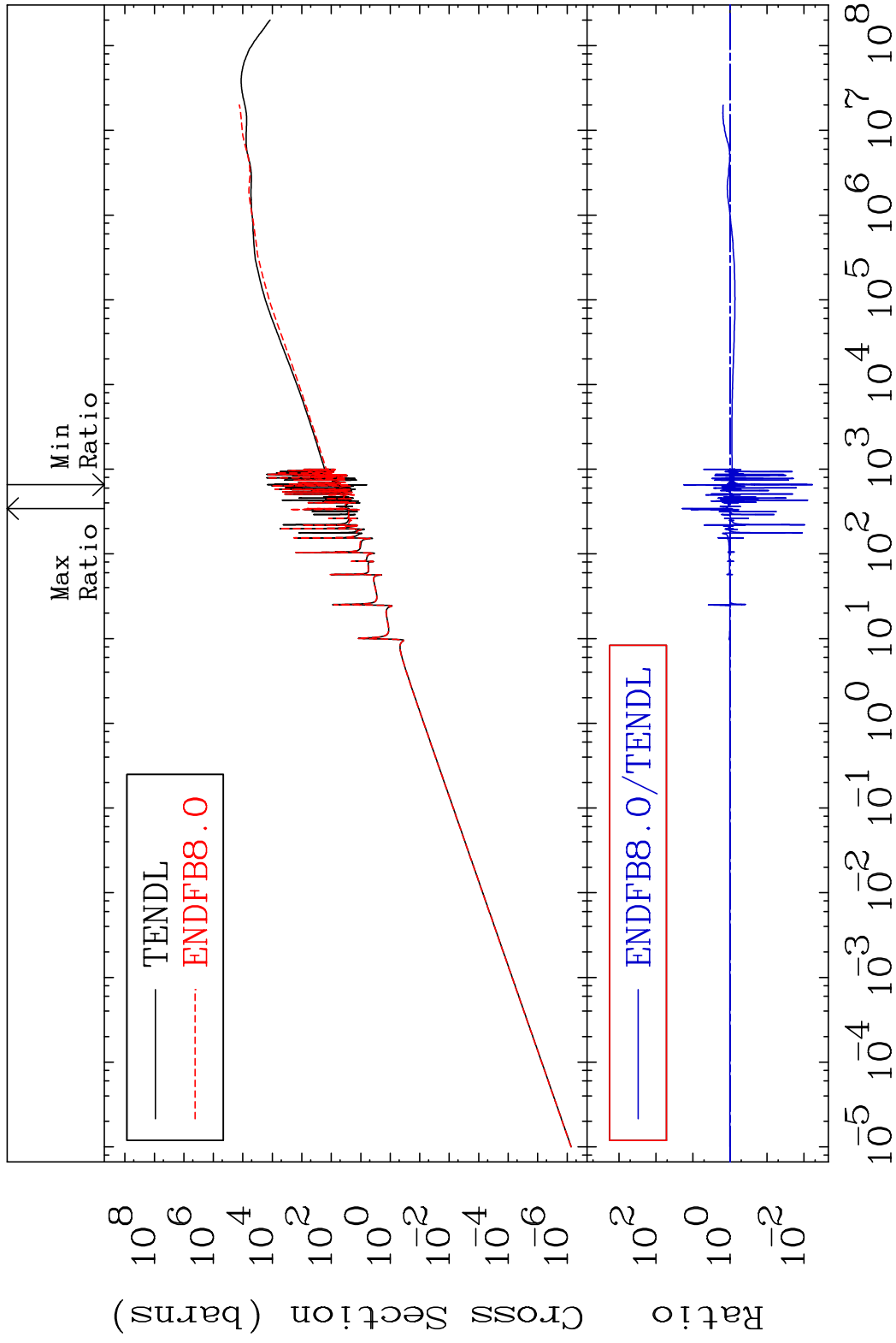


MAT 4434

Kerma elastic

44-Ru-99

Cross Section -99.41 To 1838. %

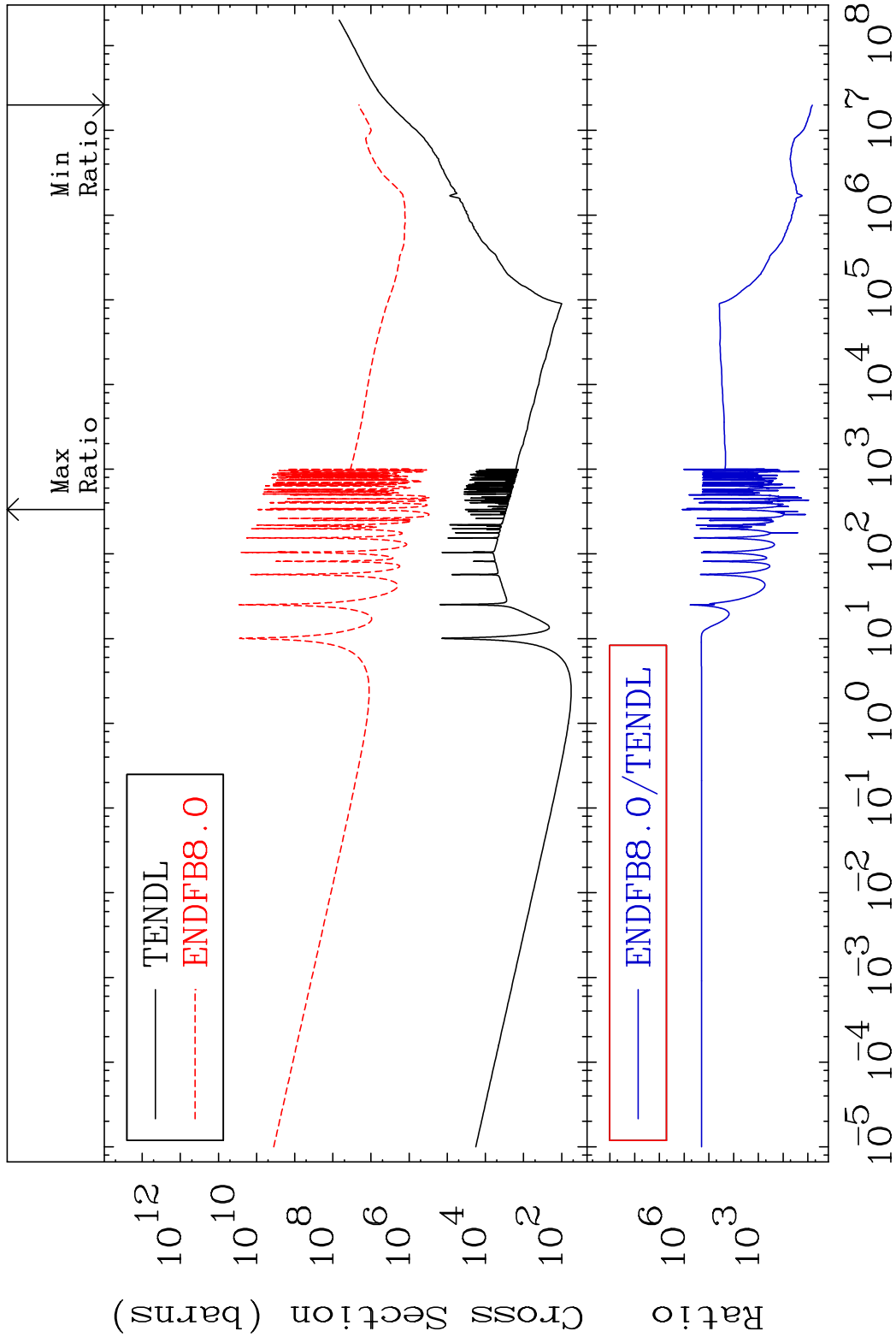


34

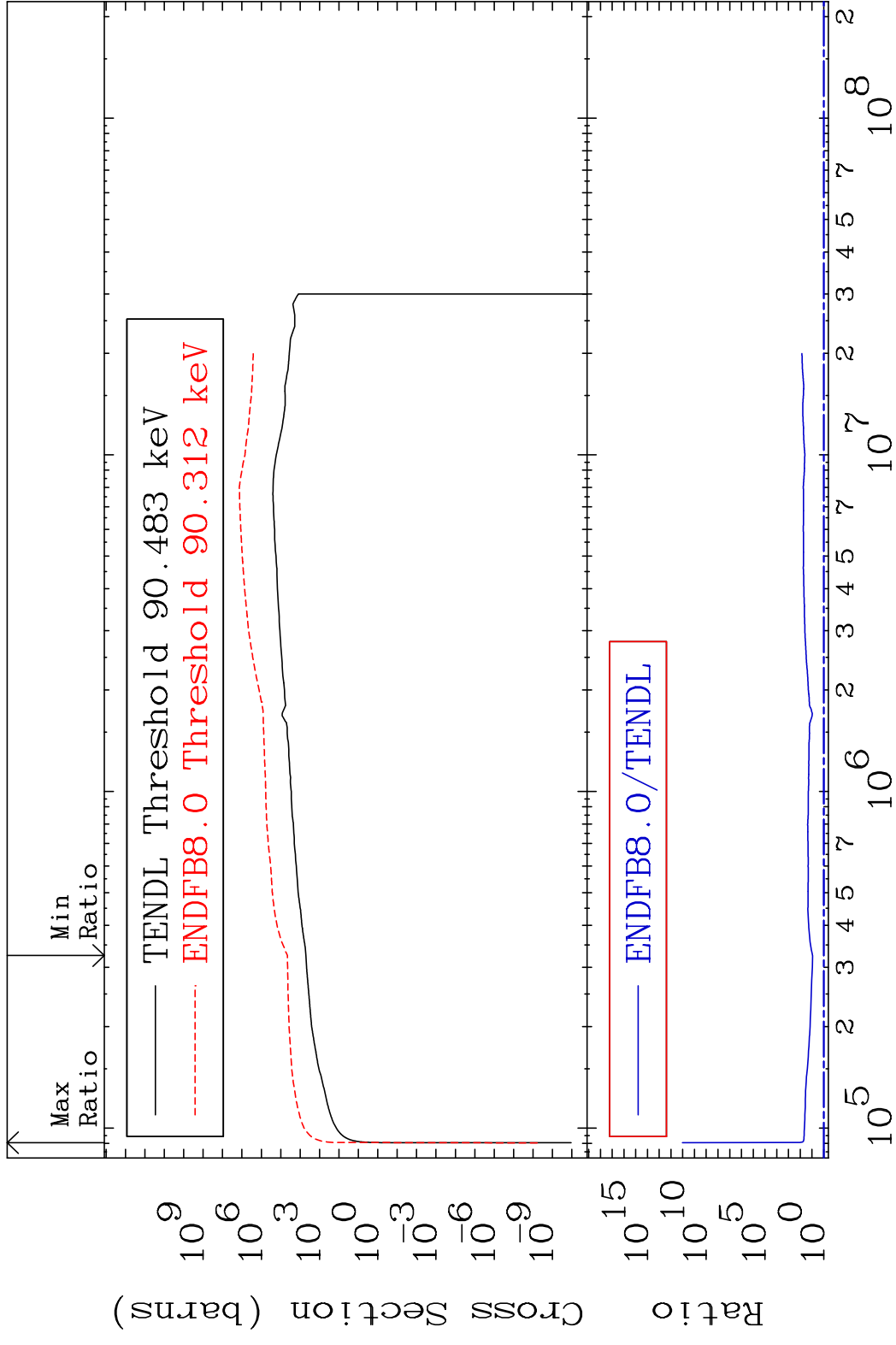
Incident Energy (eV)

44-Ru-99

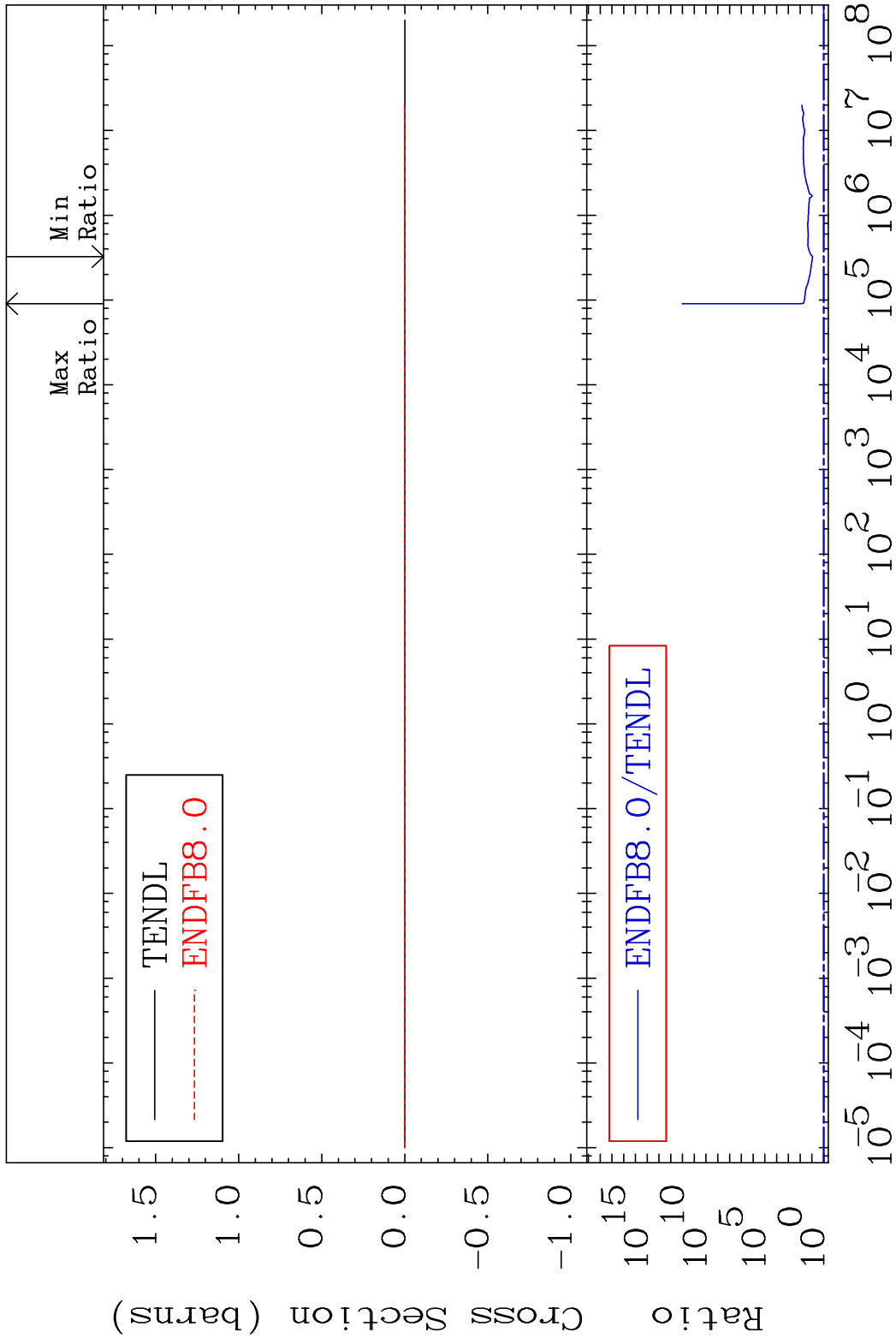
MAT 4434 Kerma non-elastic (all but mt2) 44-Ru-99
 Cross Section 546.1 To 9999. %



MAT 4434 Kerma inelastic (mt51-91) 44-Ru-99
 Cross Section 802.4 To 9999. %

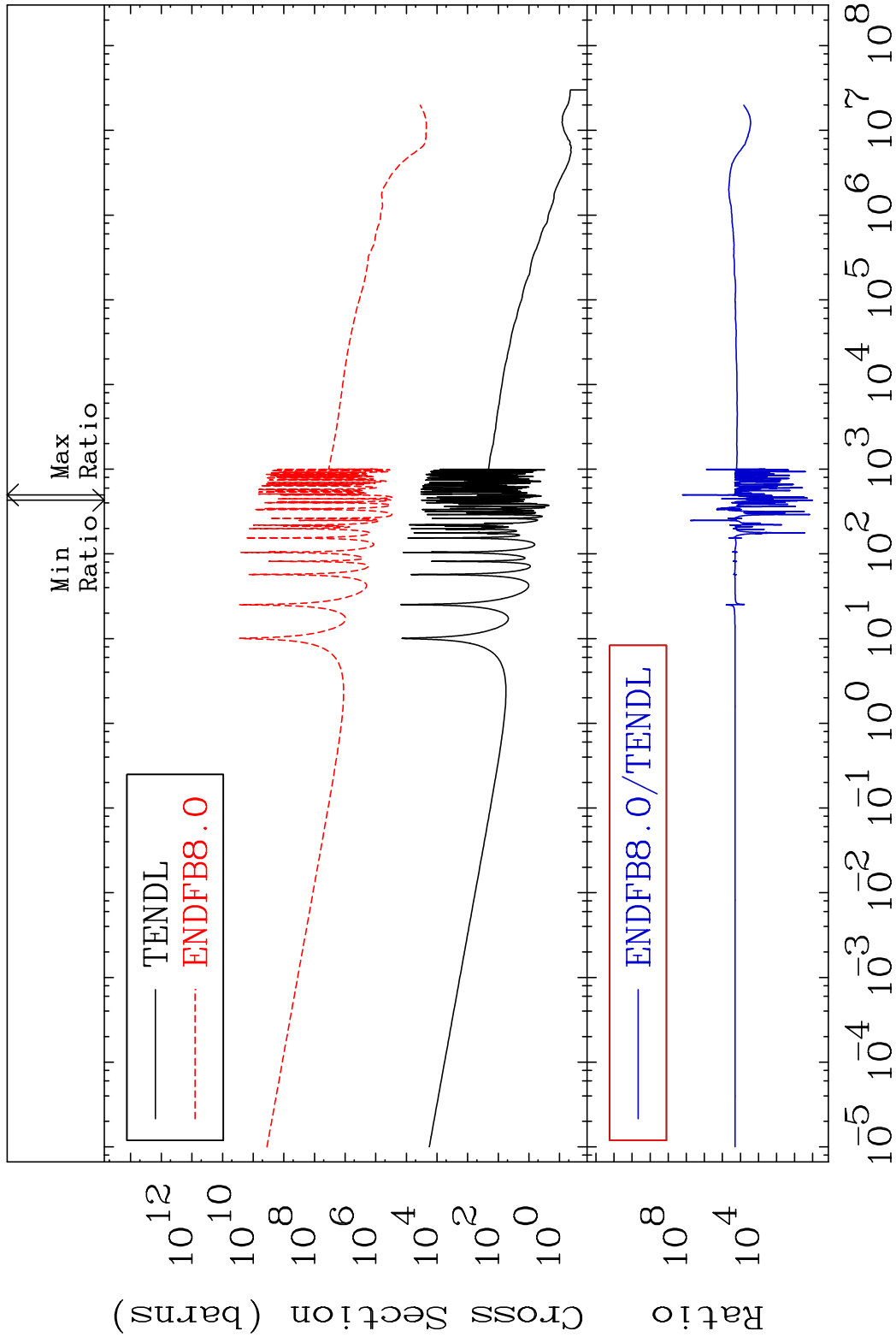


MAT 4434 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-99
 Cross Section 802.4 To 9999. %



MAT 4434

Kerma capture (mt102) 44-Ru-99
Cross Section 916.7 To 9999. %

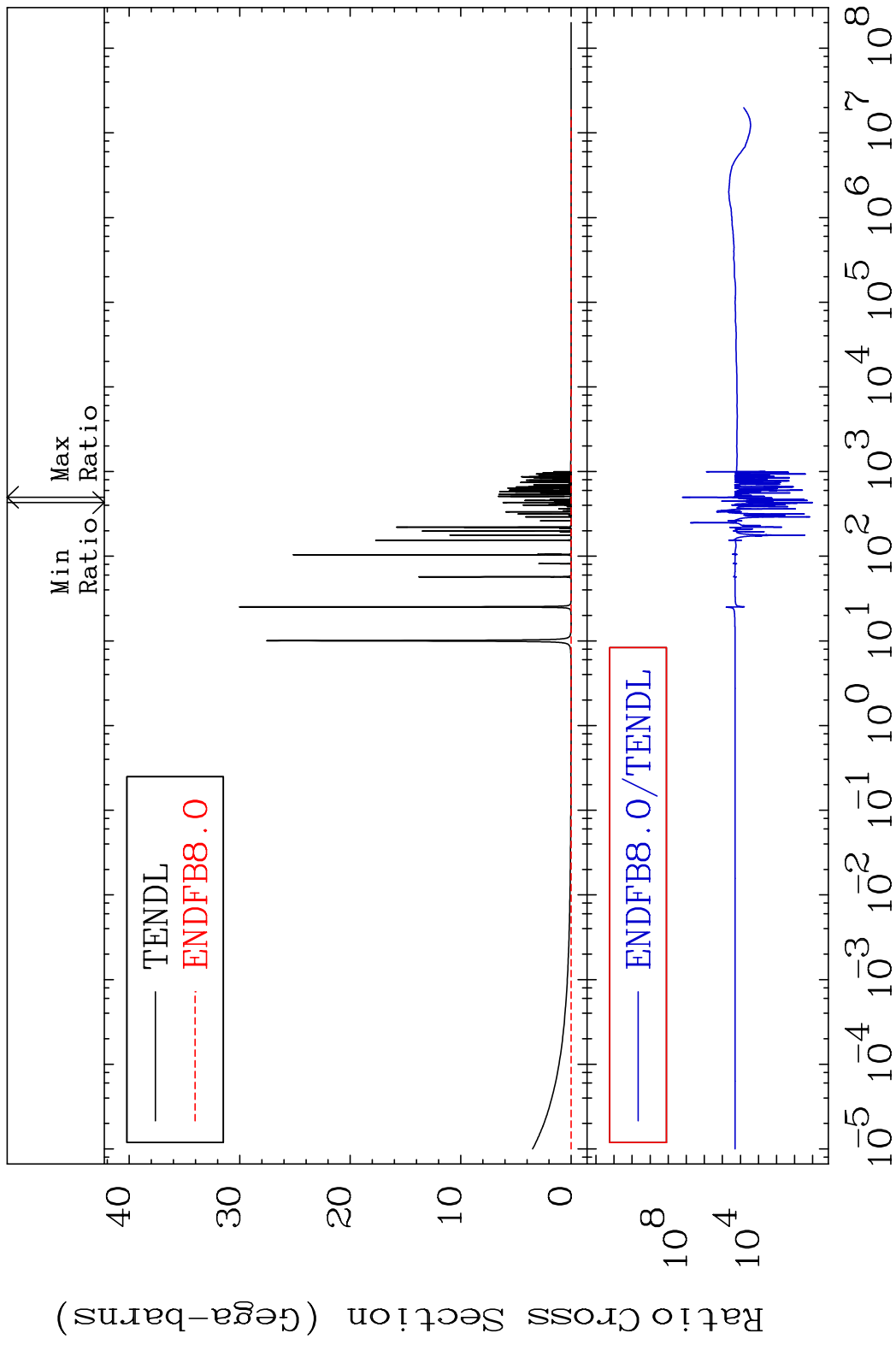


38

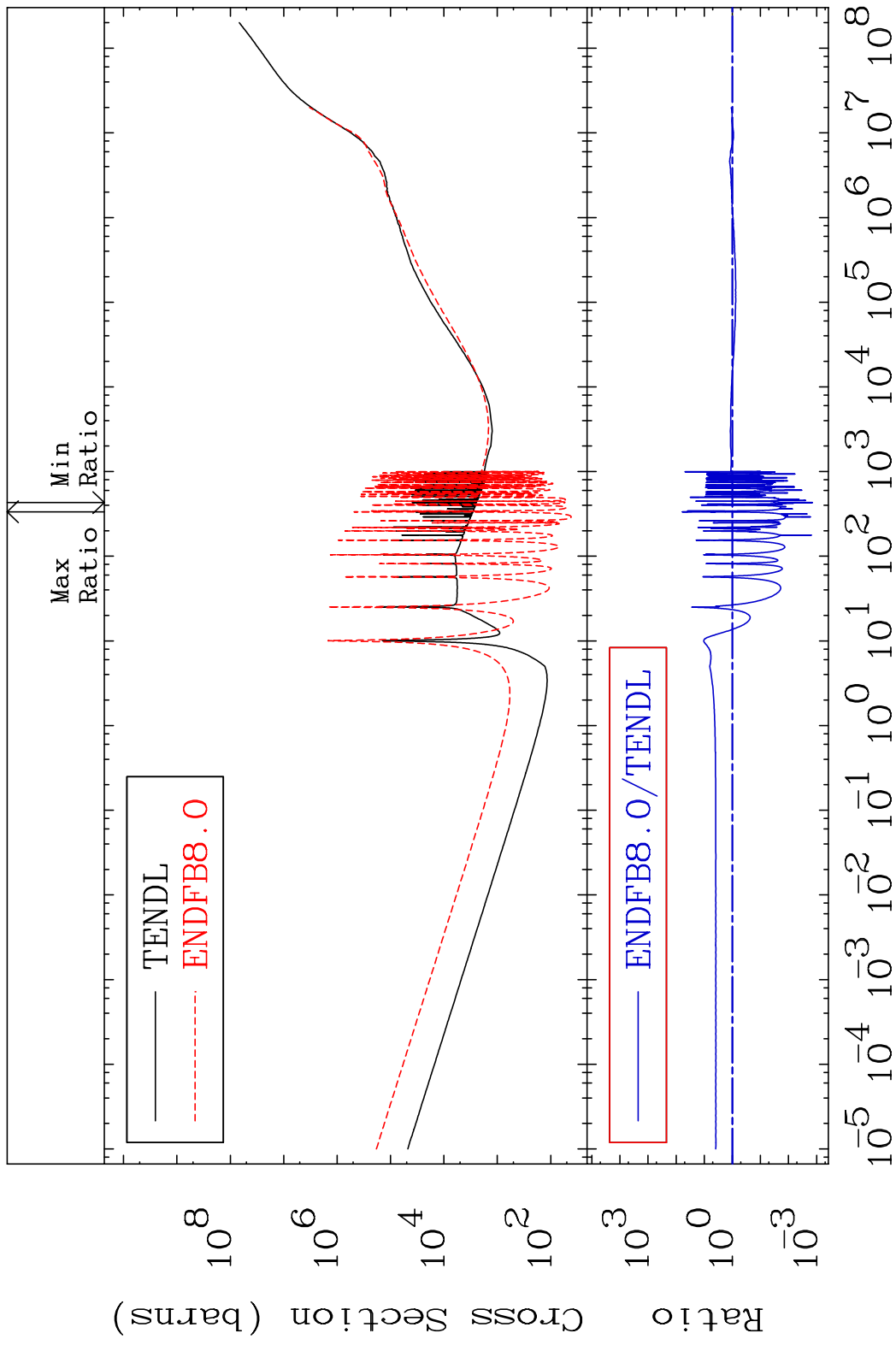
Incident Energy (eV)

44-Ru-99

MAT 4434 Total photon (eV-barns) 44-Ru-99
Cross Section 916.7 To 9999. %

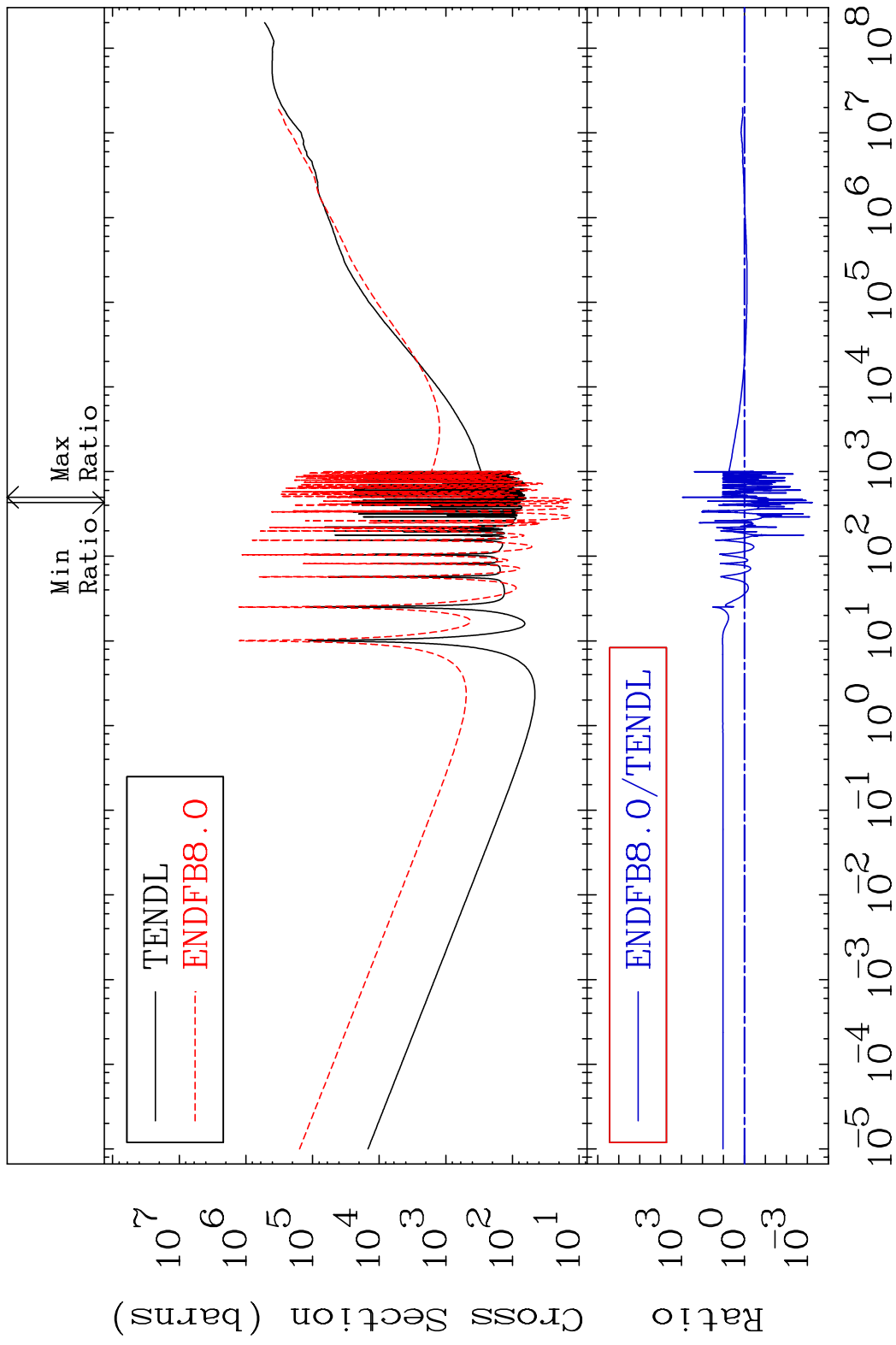


MAT 4434 Total kinematic kerma (high limit) 44-Ru-99
 Cross Section -99.86 To 5899. %



40 Incident Energy (eV) 44-Ru-99

MAT 4434 Dpa total (eV-barns) 44-Ru-99
 Cross Section -99.94 To 9999. %

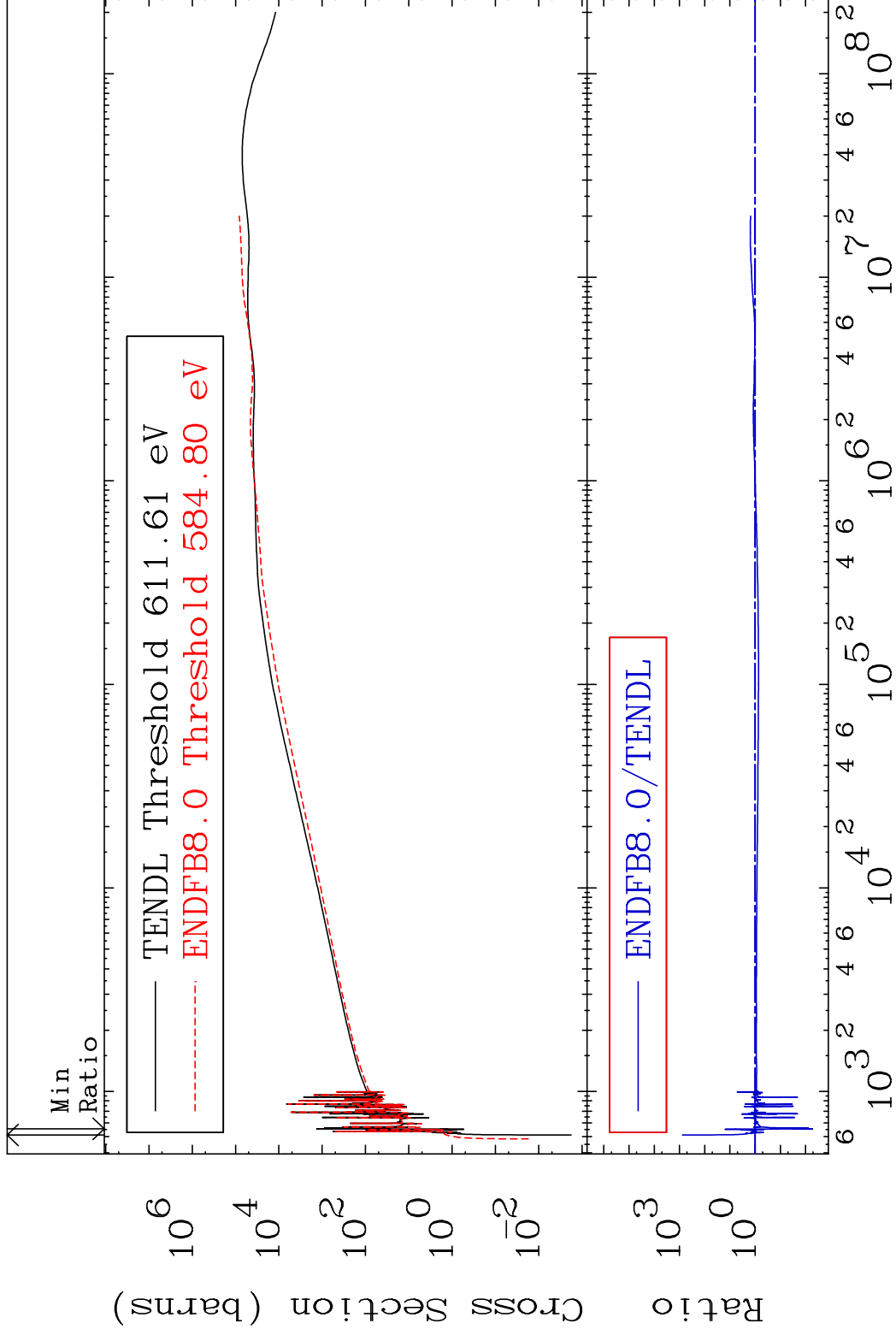


MAT 4434

Dpa elastic (mt2)

44-Ru-99

Cross Section -99.47 To 9999. %



42

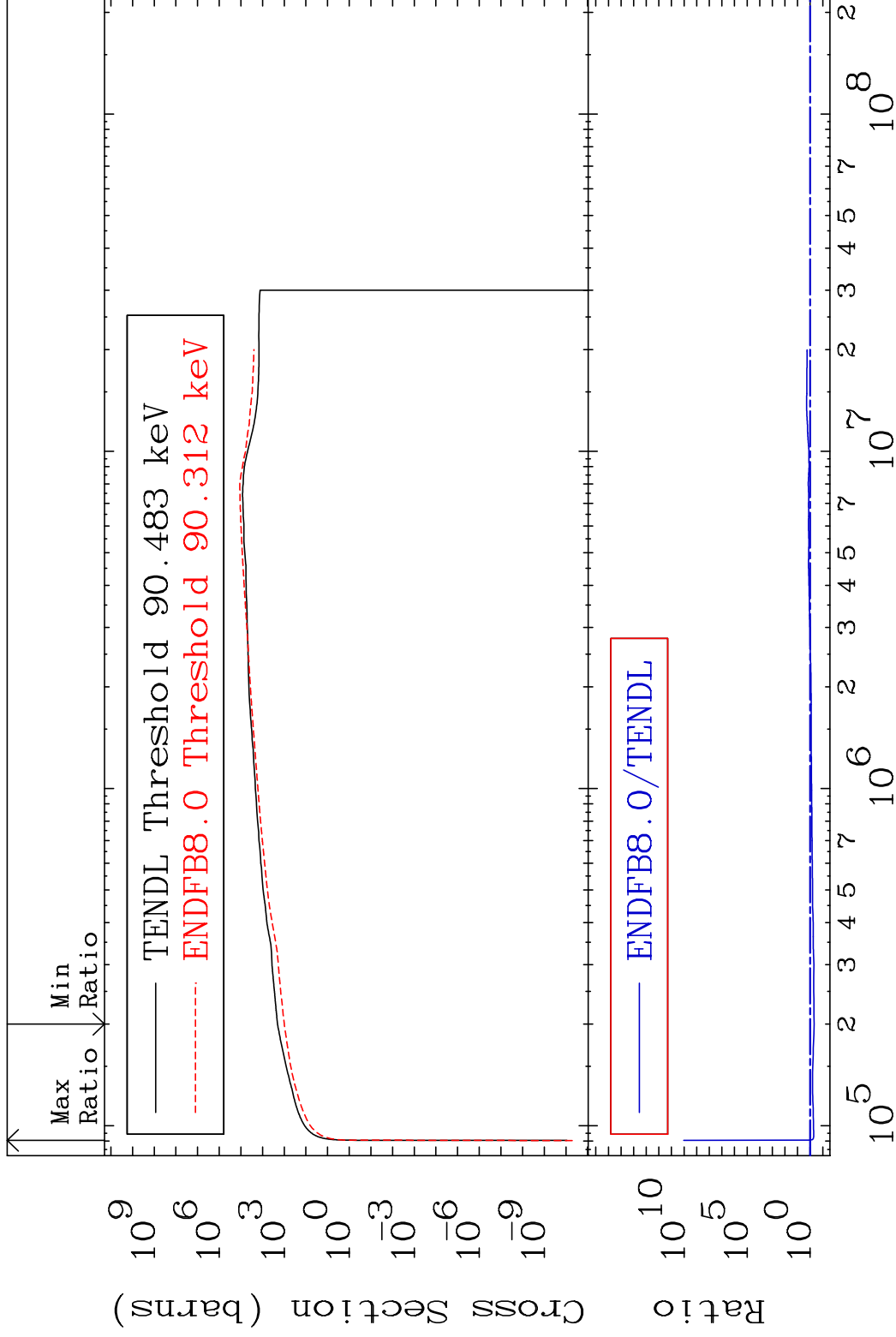
Incident Energy (eV)

44-Ru-99

MAT 4434

Dpa inelastic (mt51-91) 44-Ru-99

Cross Section -51.45 To 9999. %

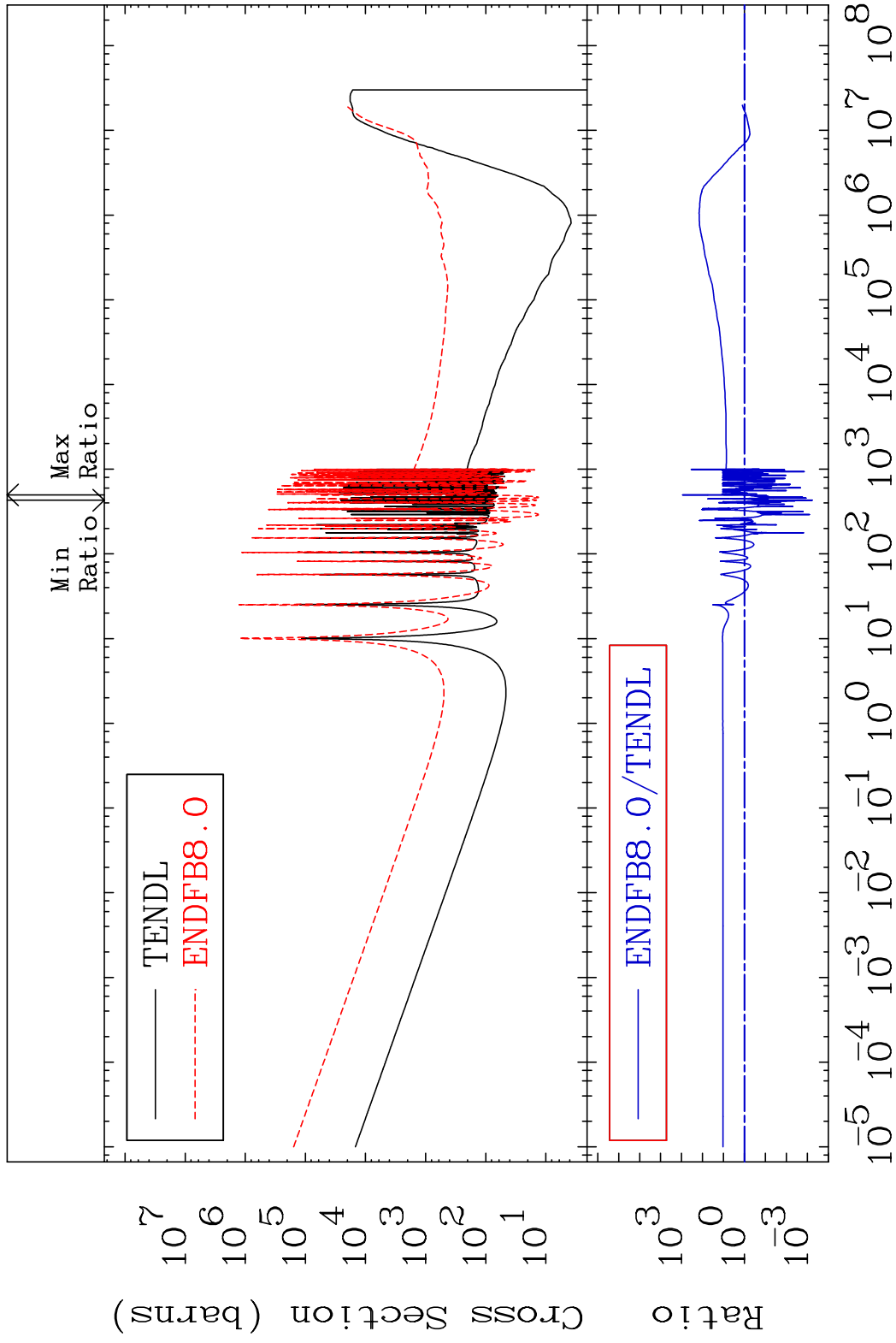


43

Incident Energy (eV)

44-Ru-99

MAT 4434 Dpa disappearance (mt102 -120) 44-Ru-99
 Cross Section -99.94 To 9999. %



44 Incident Energy (eV) 44-Ru-99