

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

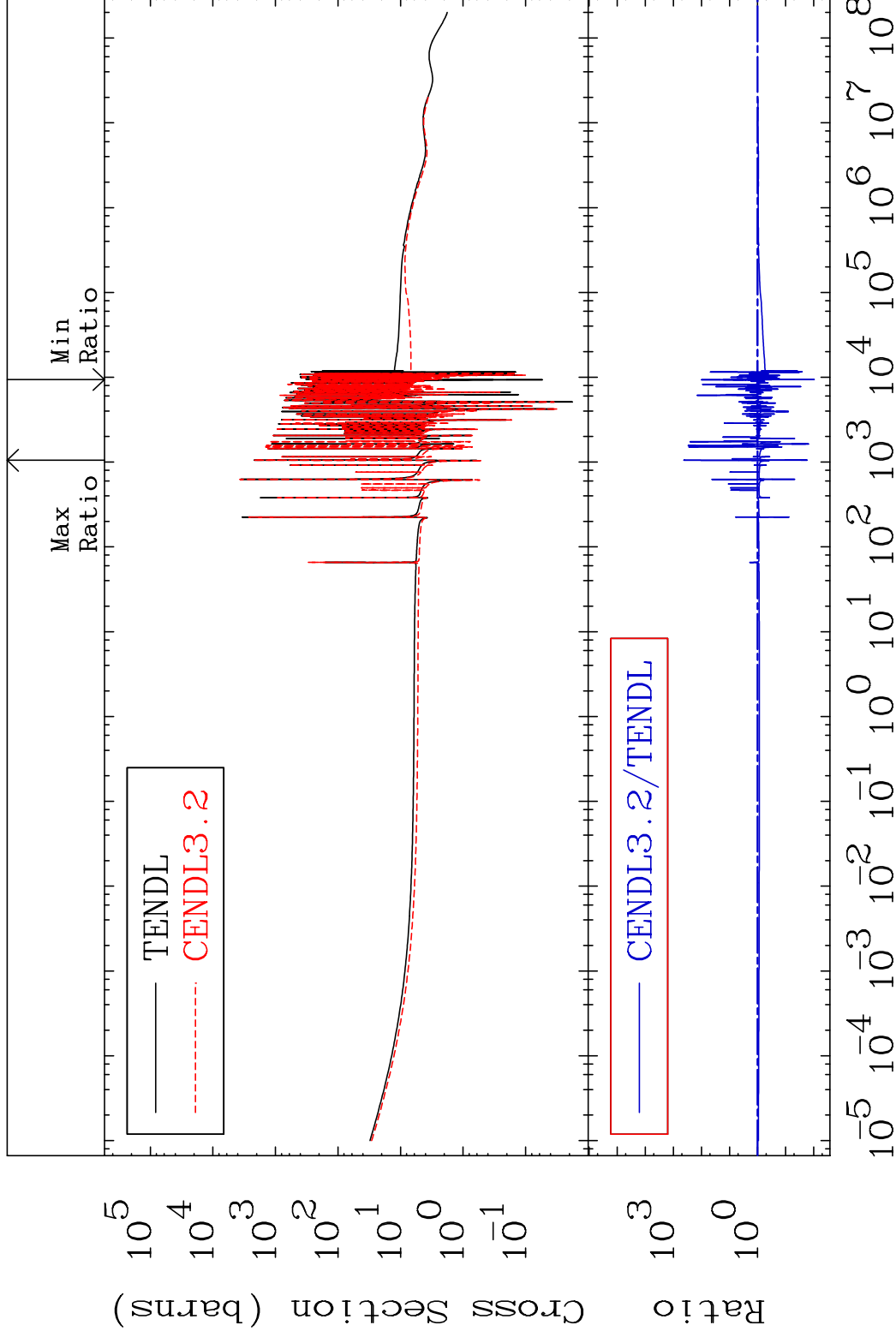
MAT 4449

Total

44-Ru-104

Cross Section

-99.03 To 9999. %



1

Incident Energy (eV)

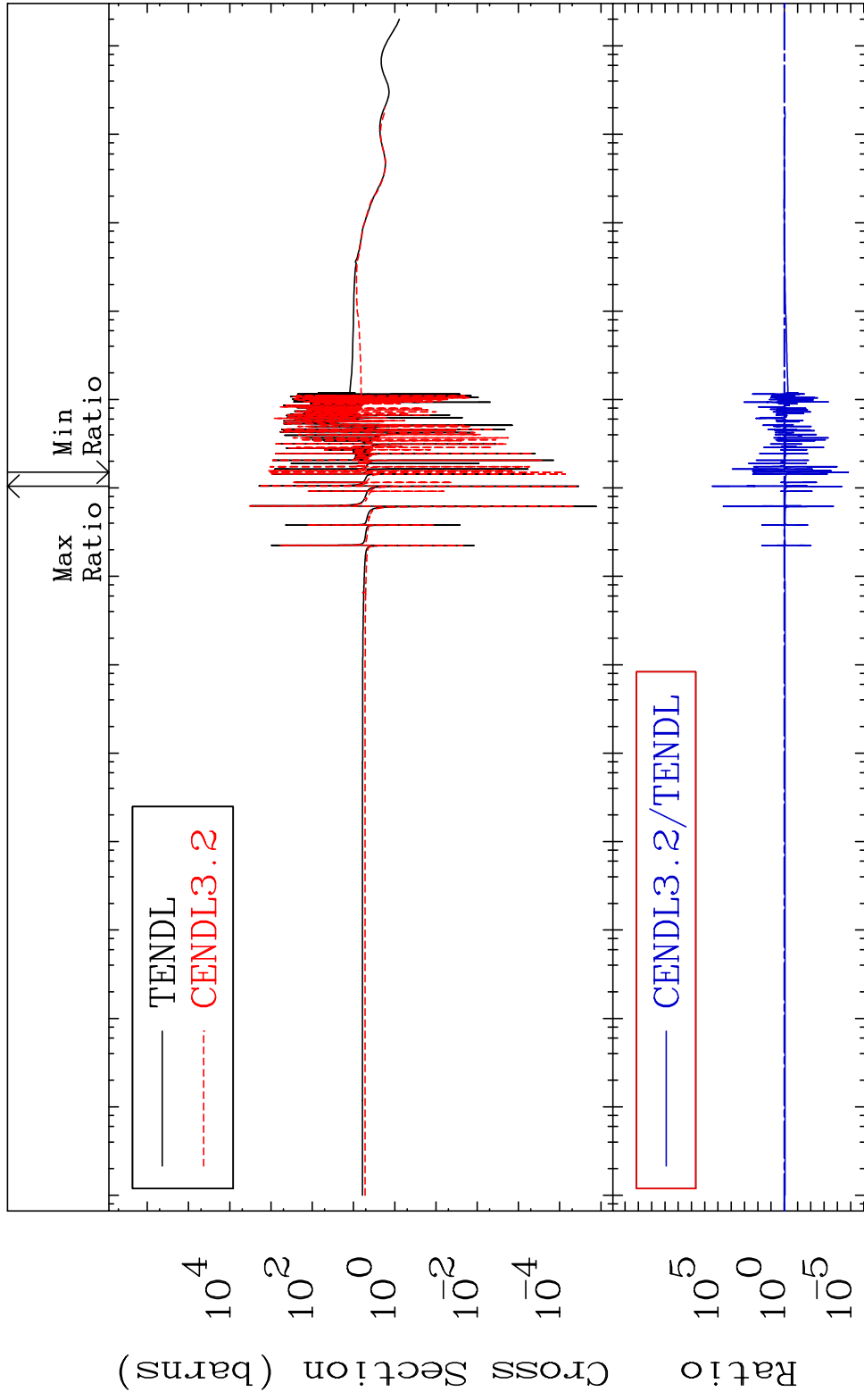
44-Ru-104

MAT 4449

Elastic

44-Ru-104

Cross Section -100.0 To 9999. %

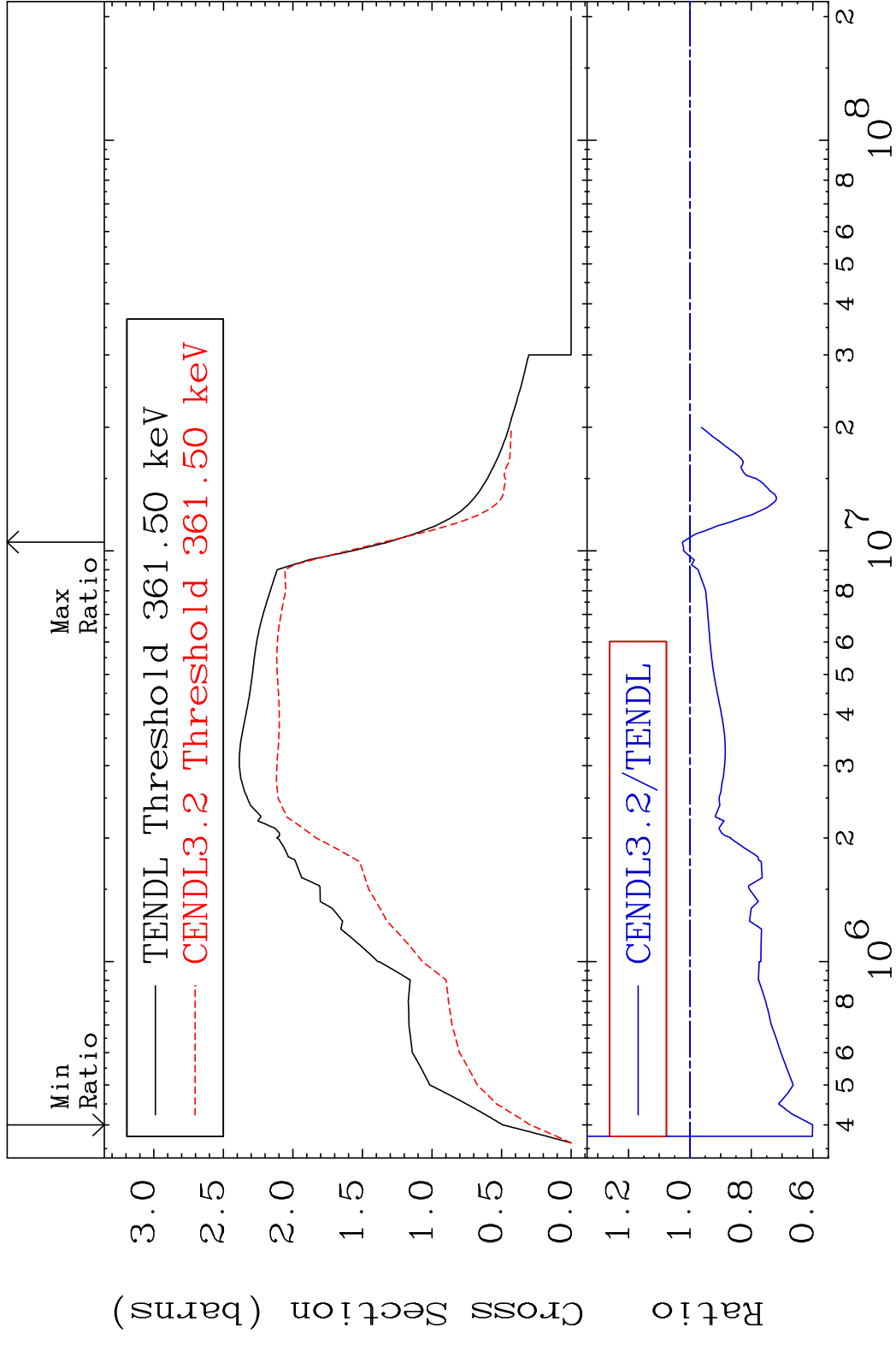


2

Incident Energy (eV)

44-Ru-104

MAT 4449 Inelastic 44-Ru-104
 Cross Section -39.92 To 2.472 %



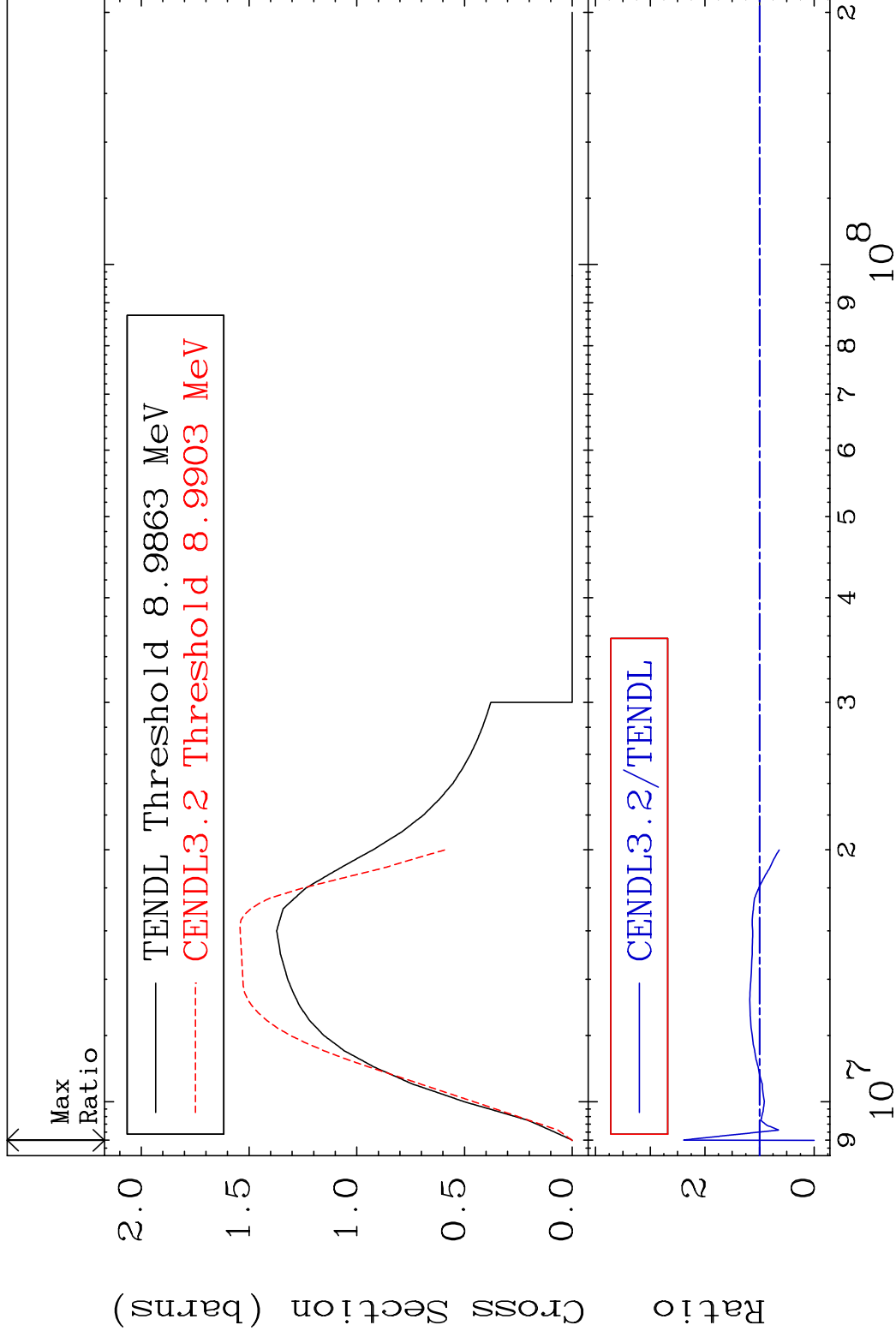
3 Incident Energy (eV) 44-Ru-104

MAT 4449

(n,2n)

44-Ru-104

Cross Section -100.0 To 138.8 %



4

Incident Energy (eV)

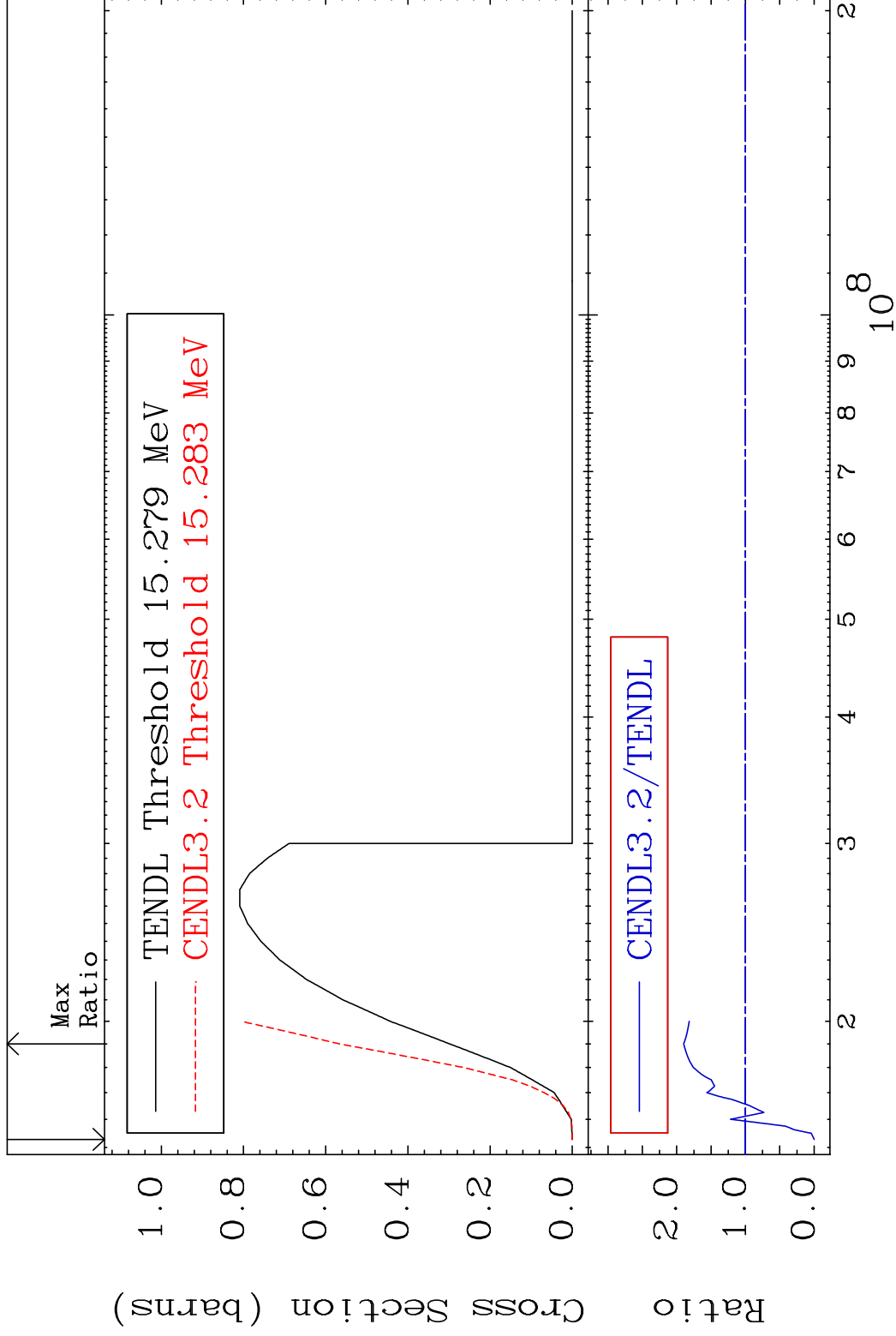
44-Ru-104

MAT 4449

(n,3n)

44-Ru-104

Cross Section -100.0 To 89.88 %



5

Incident Energy (eV)

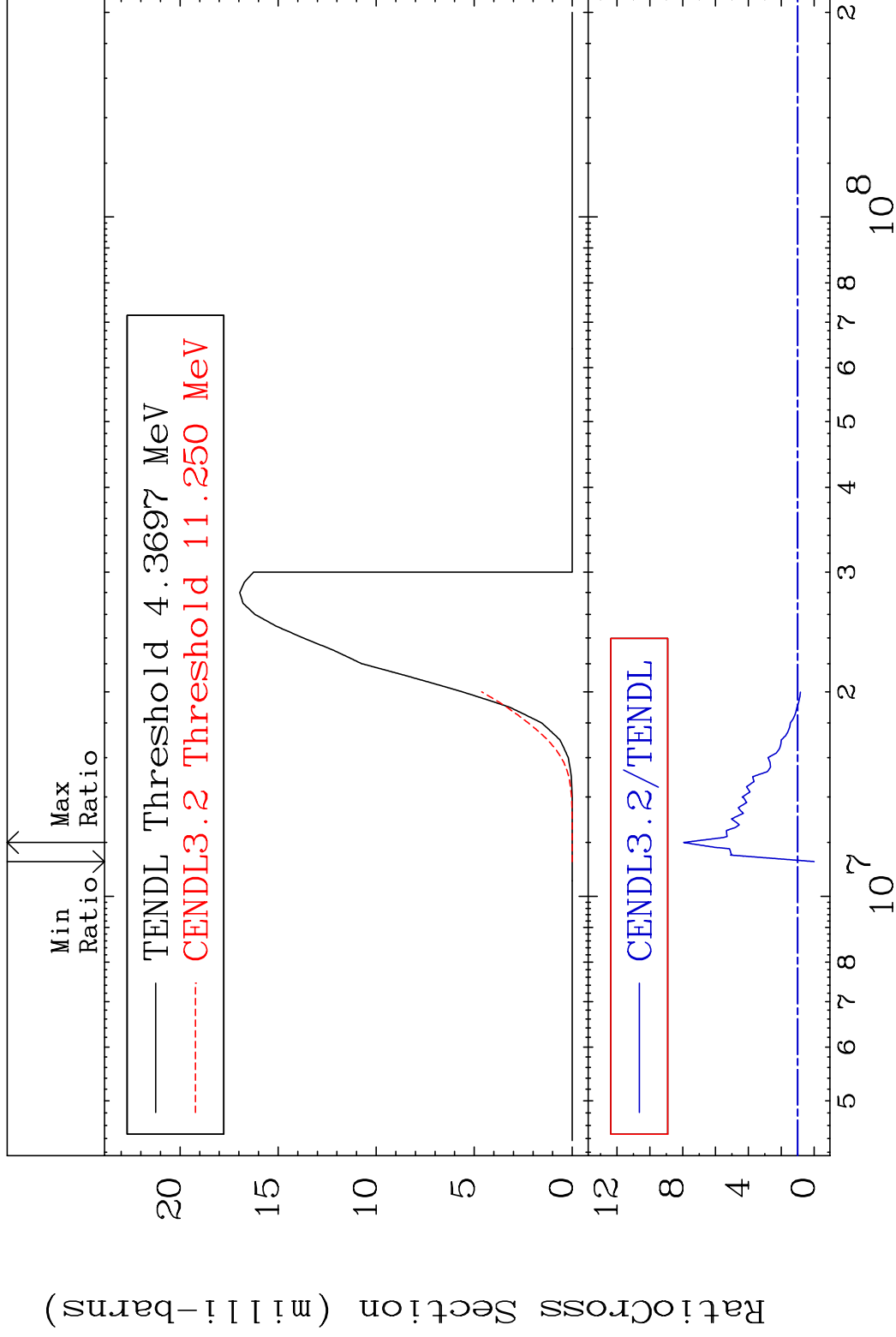
44-Ru-104

MAT 4449

(n, n') α

44-Ru-104

Cross Section -100.0 To 694.3 %



6

Incident Energy (eV)

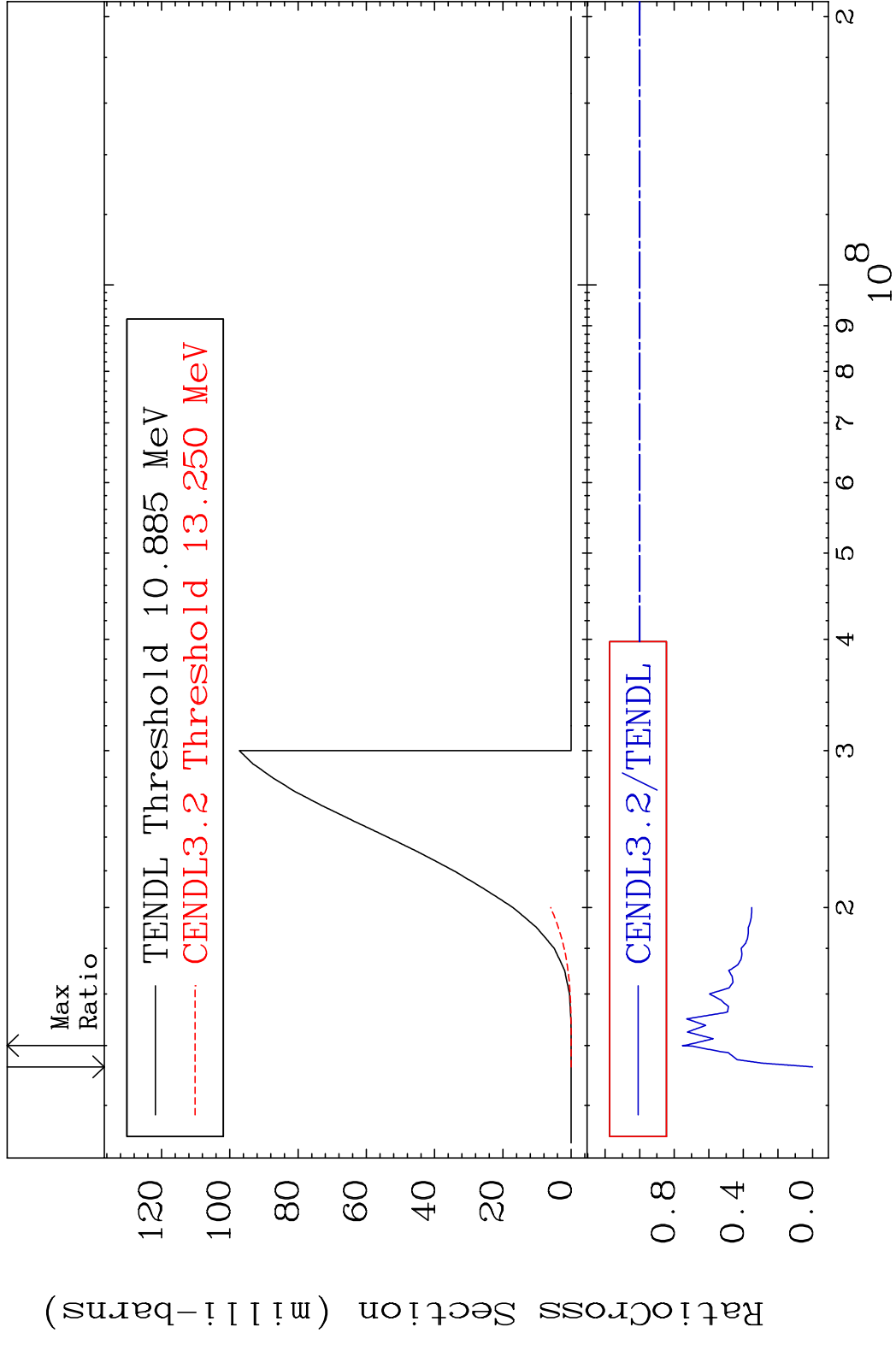
44-Ru-104

MAT 4449

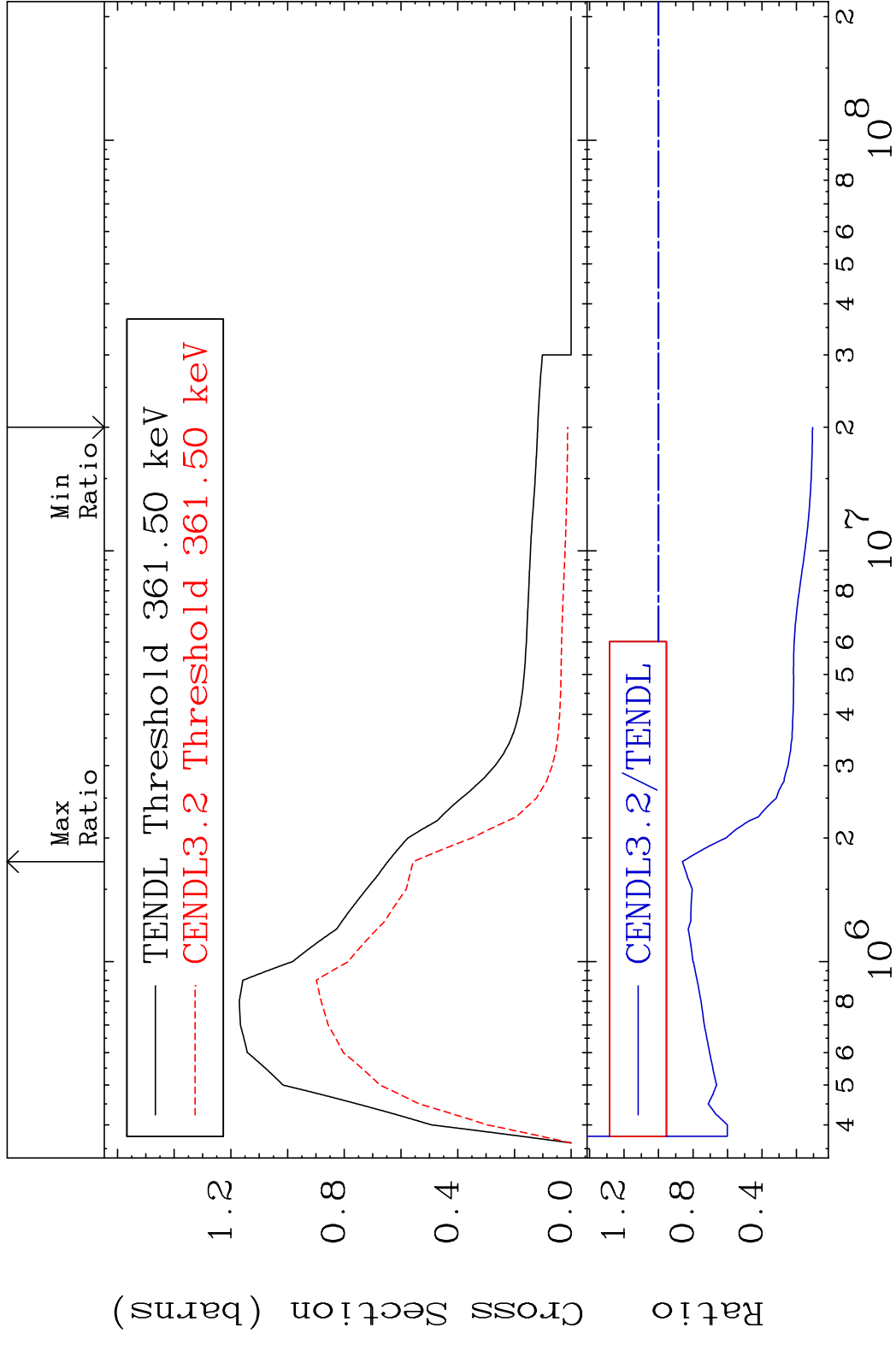
(n, n') p

44-Ru-104

Cross Section -100.0 To -24.70%

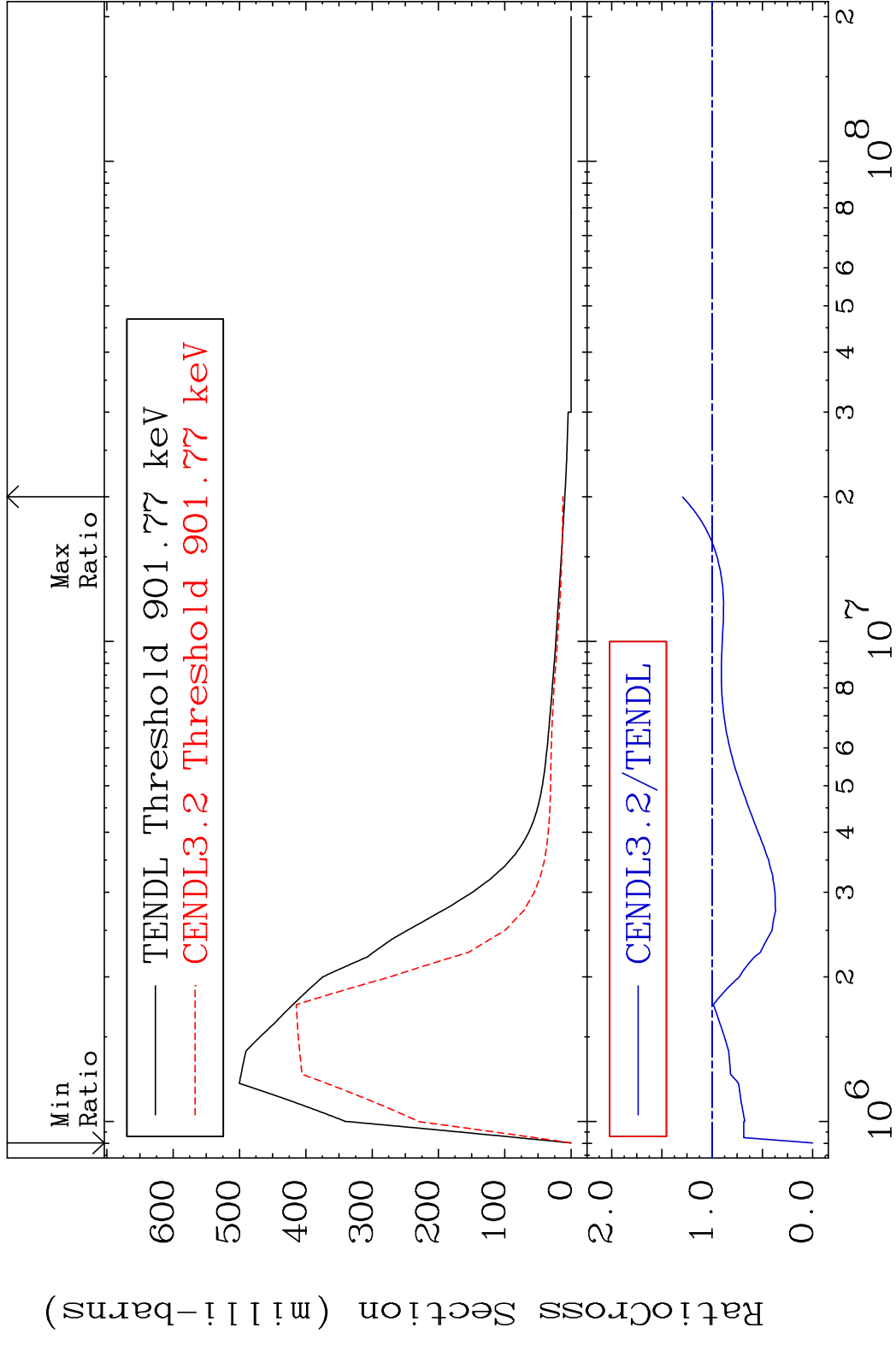


MAT 4449 MT= 51 (n, n') Level 44-Ru-104
 Cross Section -89.39 To -13.82%



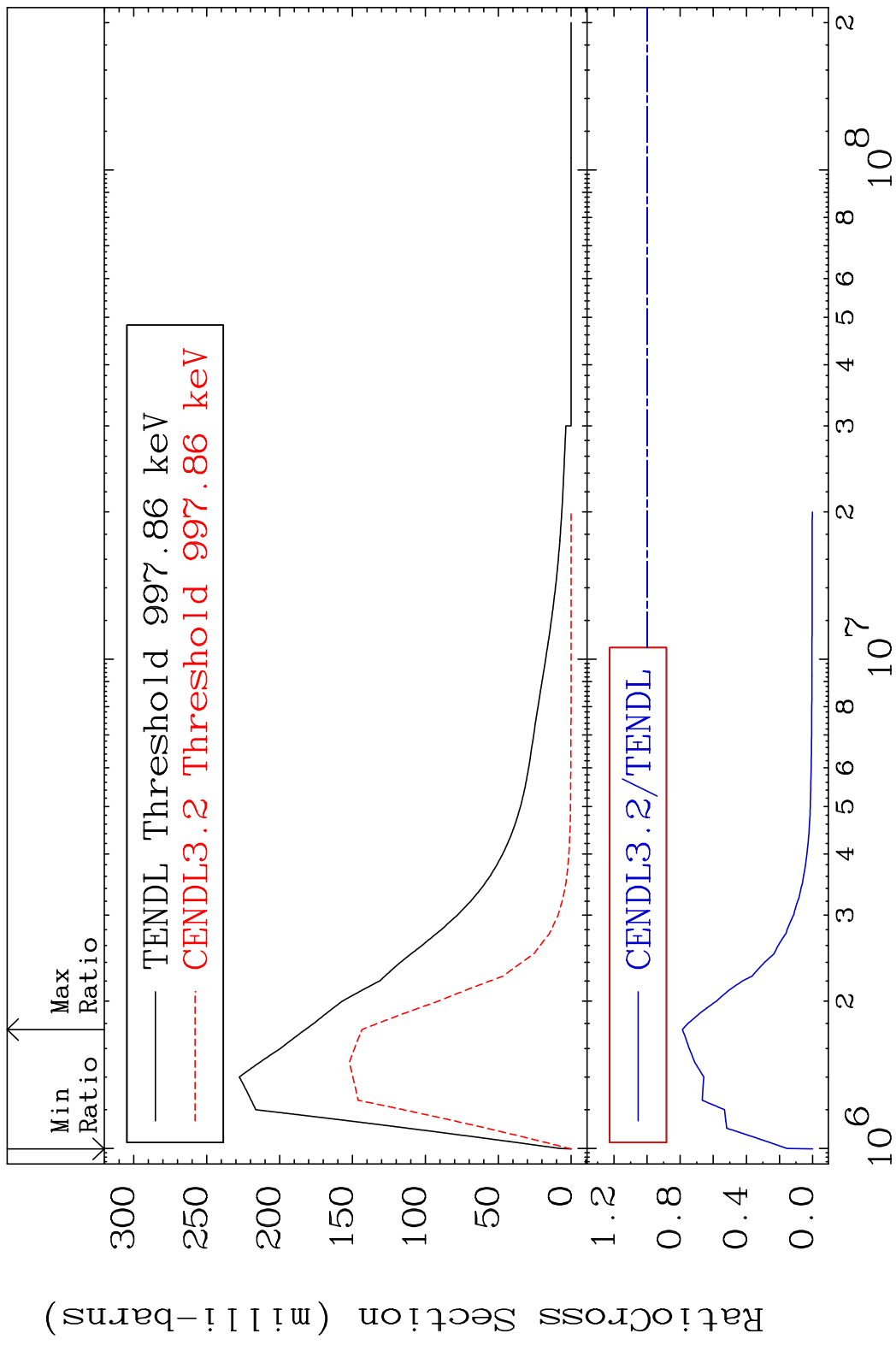
8 Incident Energy (eV) 44-Ru-104

MAT 4449 MT= 53 (n, n') Level 44-Ru-104
 Cross Section -100.0 To 29.59 %

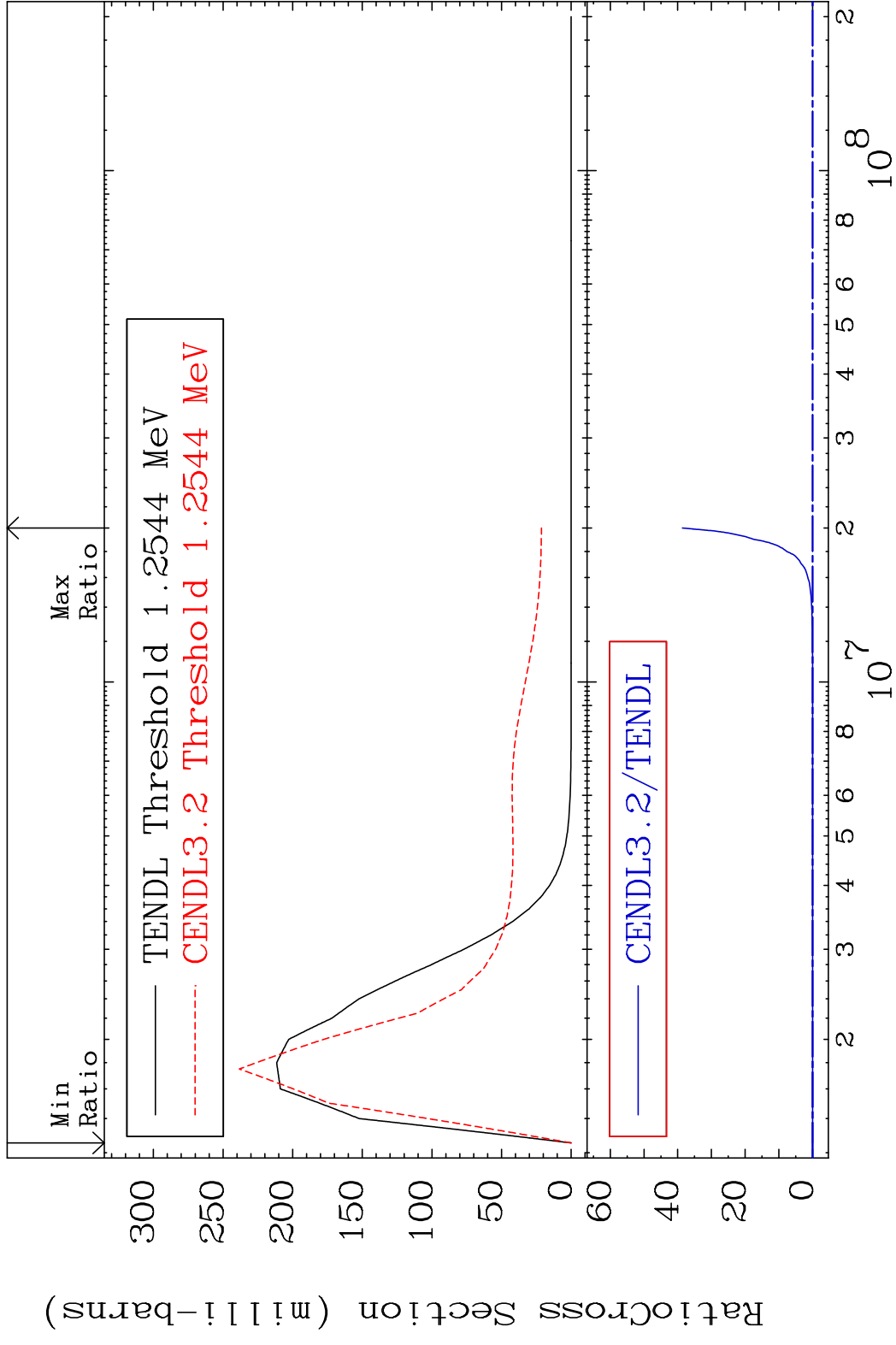


10 2 3 4 5 6 8 10⁷ 10⁸ 2 44-Ru-104

MAT 4449 MT= 54 (n,n') Level 44-Ru-104
 Cross Section -100.0 To -21.31%



MAT 4449 MT= 55 (n, n') Level 44-Ru-104
 Cross Section -100.0 To 9999. %

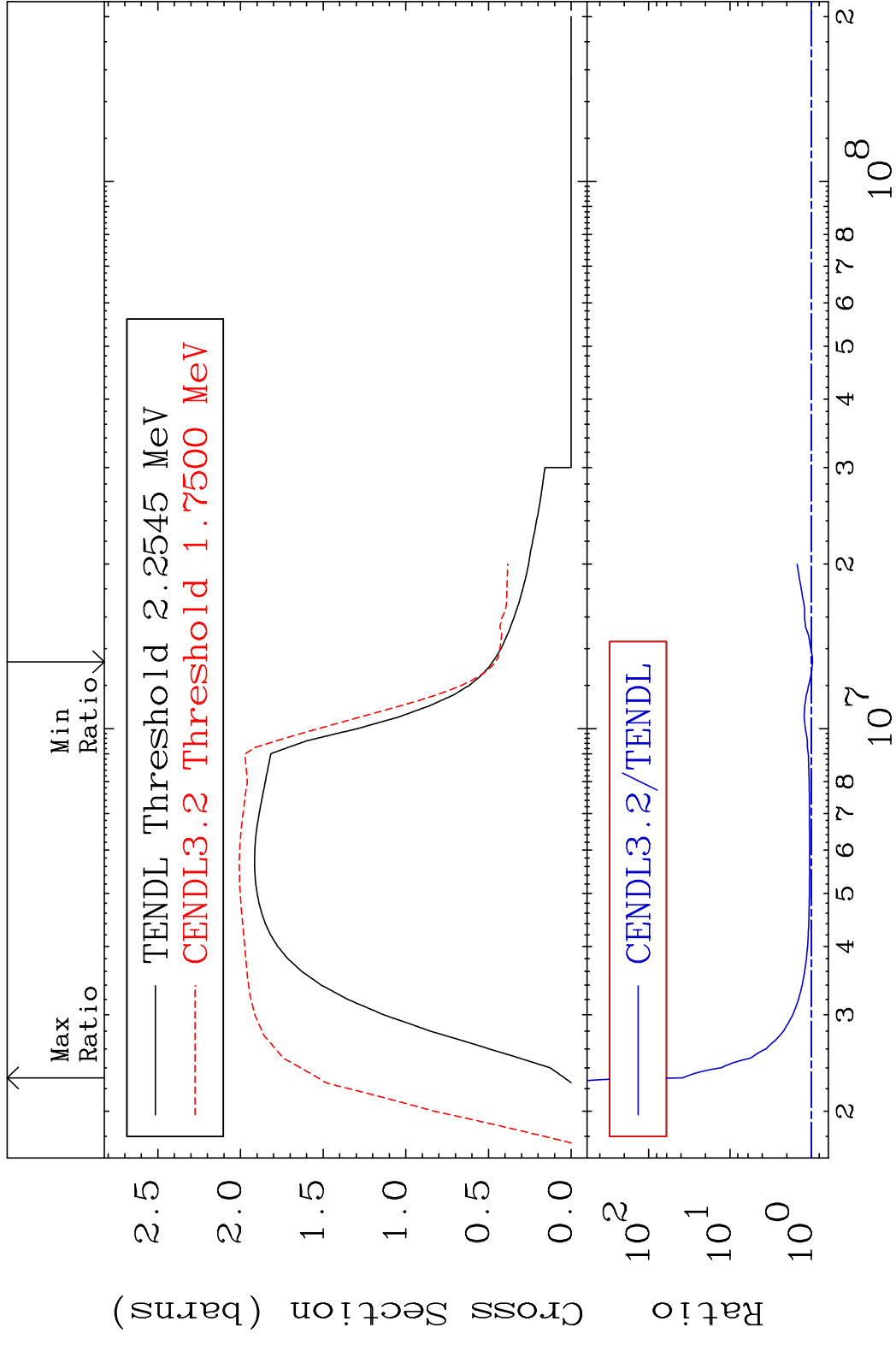


MAT 4449

(n,n') Continuum

44-Ru-104

Cross Section -3.678 To 3752. %

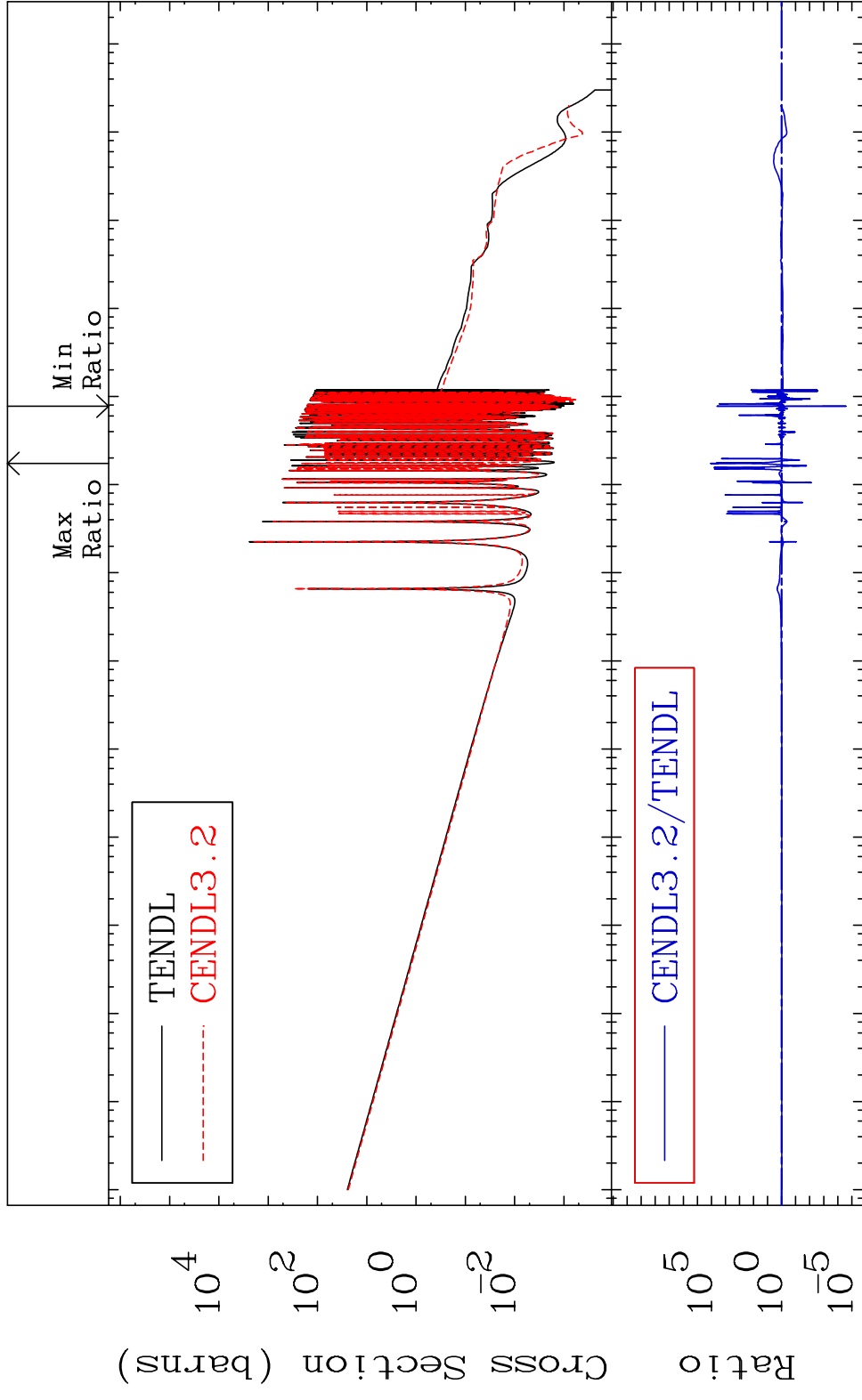


MAT 4449

44-Ru-104

(n, γ)

Cross Section -100.0 To 9999. %

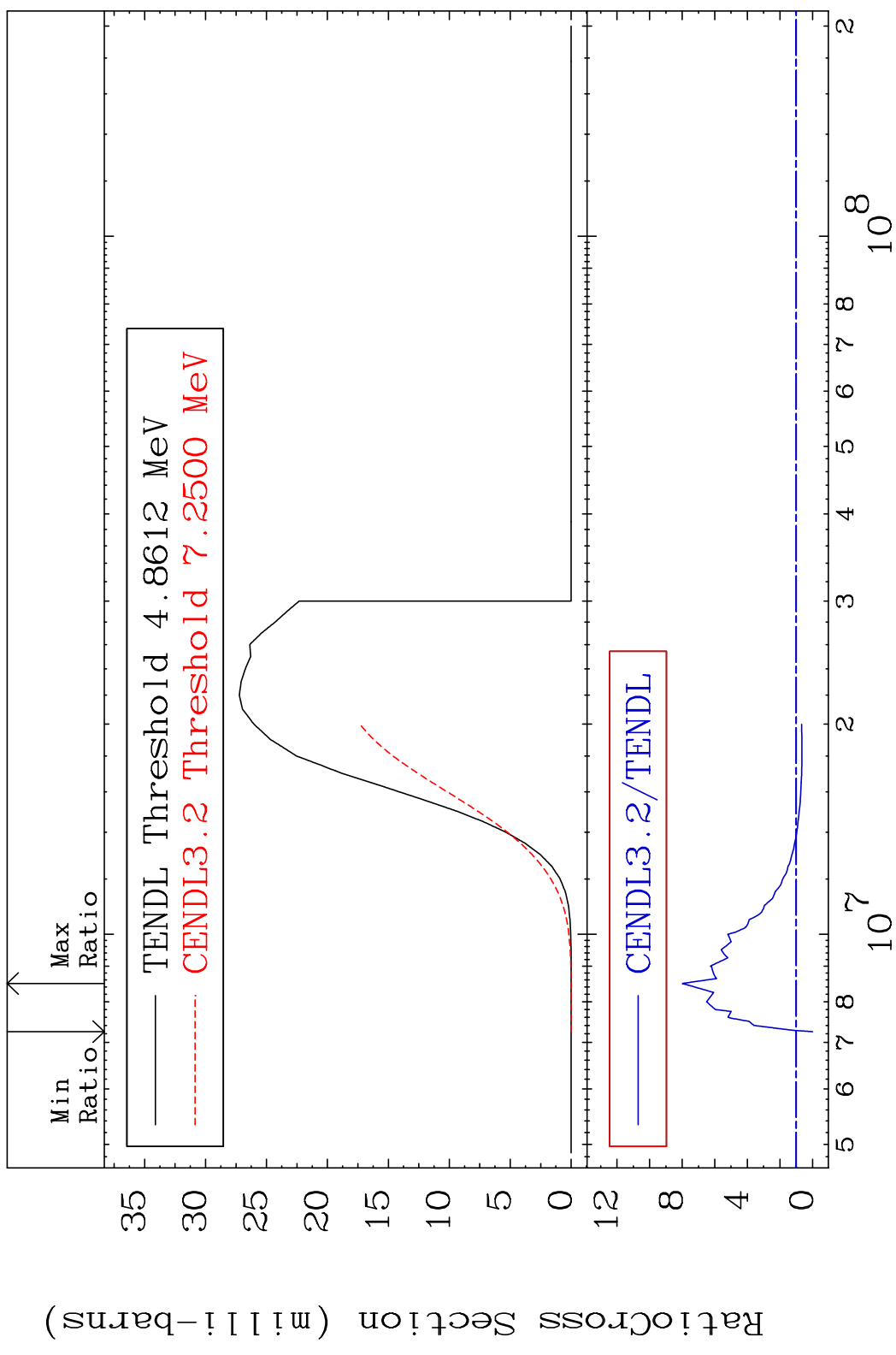


MAT 4449

(n, p)

44-Ru-104

Cross Section -100.0 To 698.9 %



15

Incident Energy (eV)

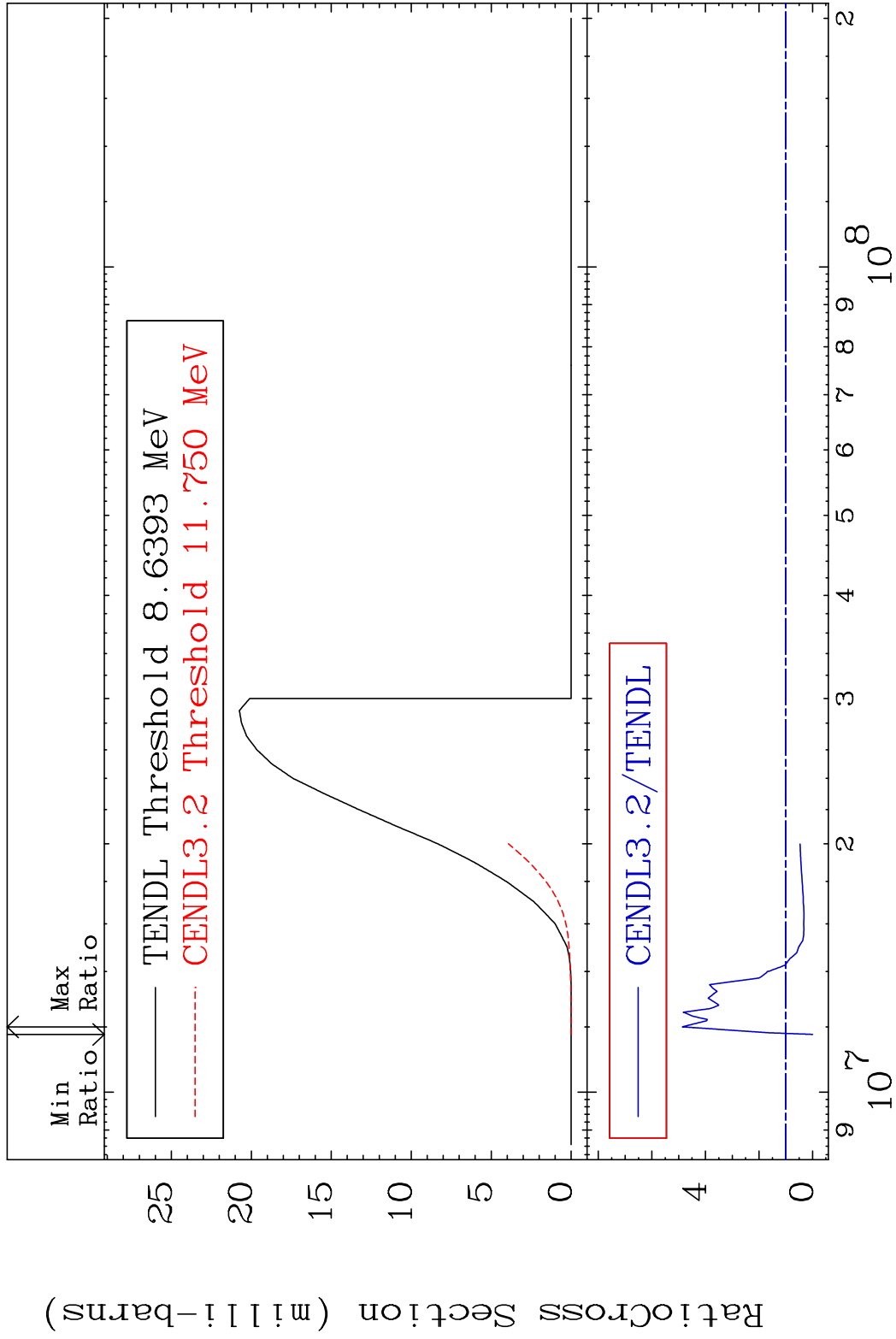
44-Ru-104

MAT 4449

(n, d)

44-Ru-104

Cross Section -100.0 To 386.2 %



16

Incident Energy (eV)

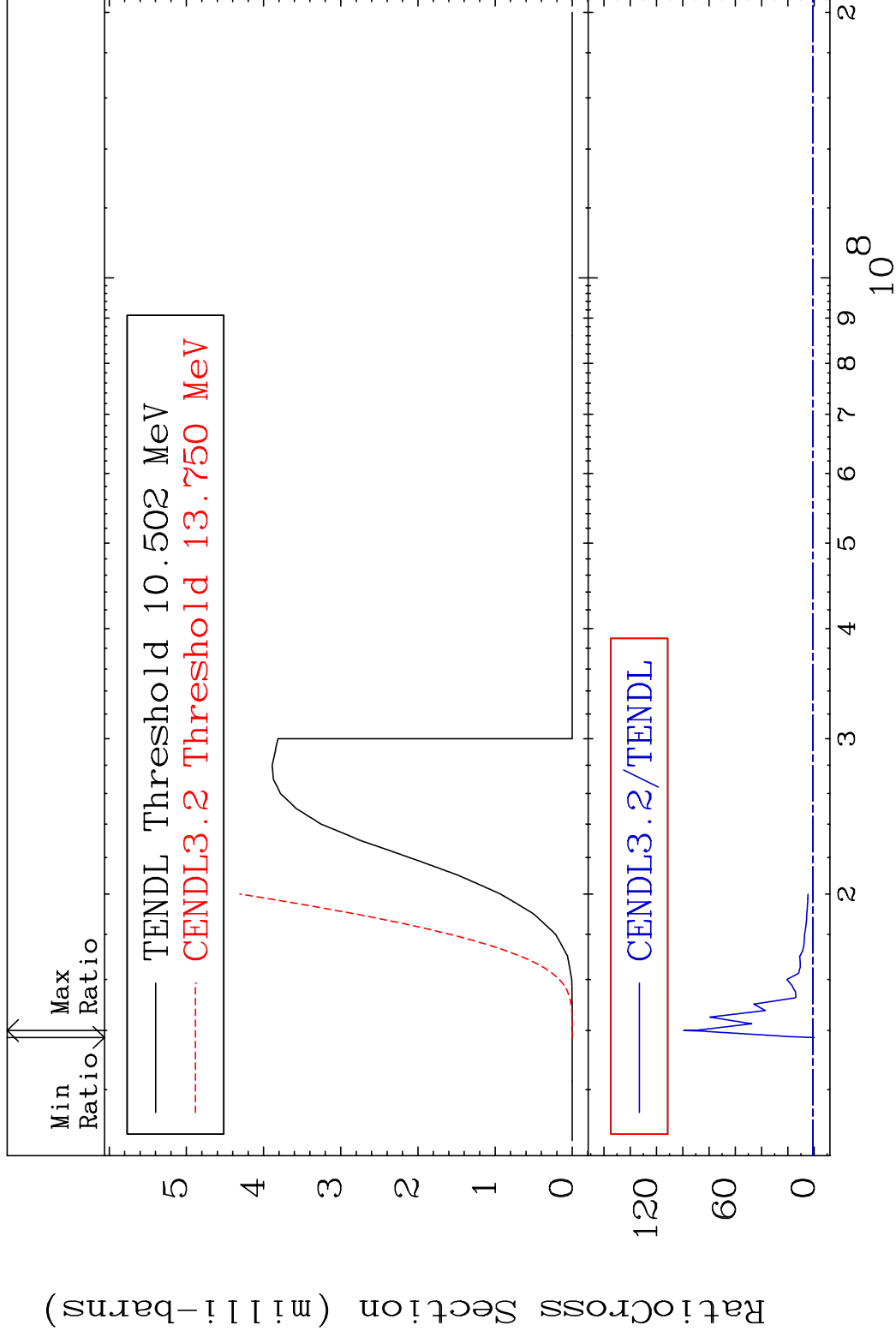
44-Ru-104

MAT 4449

(n, t)

44-Ru-104

Cross Section -100.0 To 9828. %

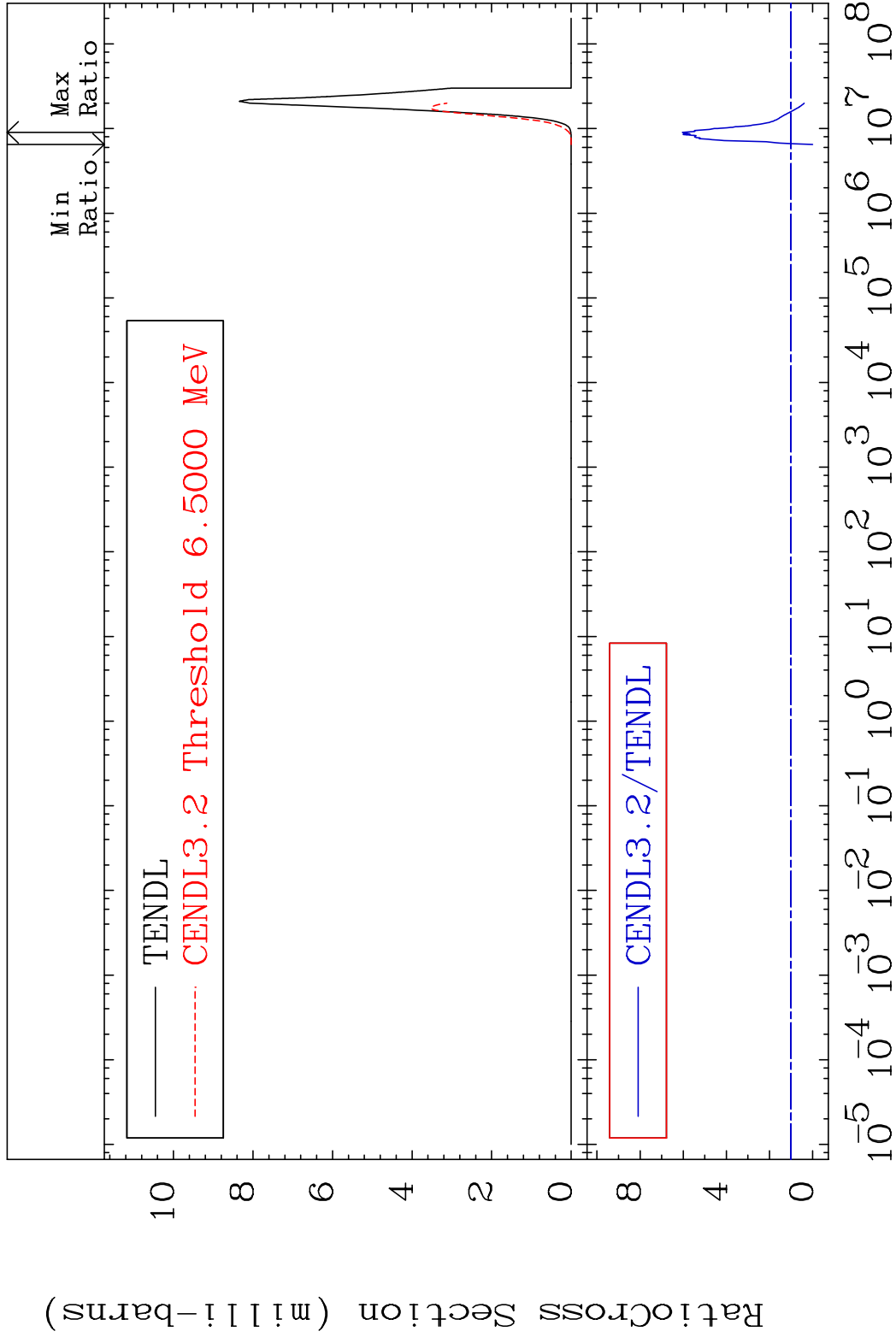


MAT 4449

(n, α)

44-Ru-104

Cross Section -100.0 To 504.0 %



18

Incident Energy (eV)

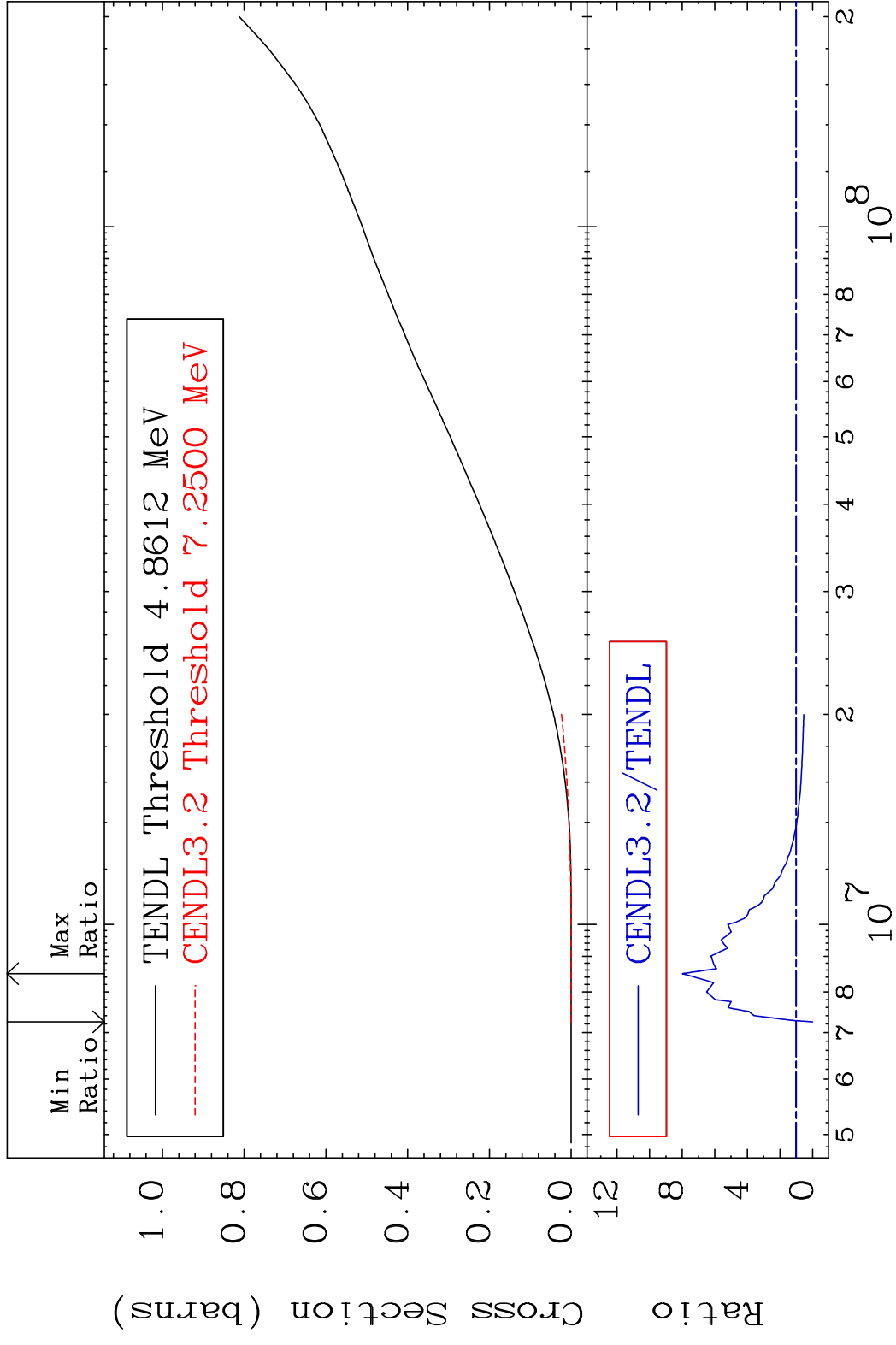
44-Ru-104

MAT 4449

Hydrogen Production

44-Ru-104

Cross Section -100.0 To 698.9 %

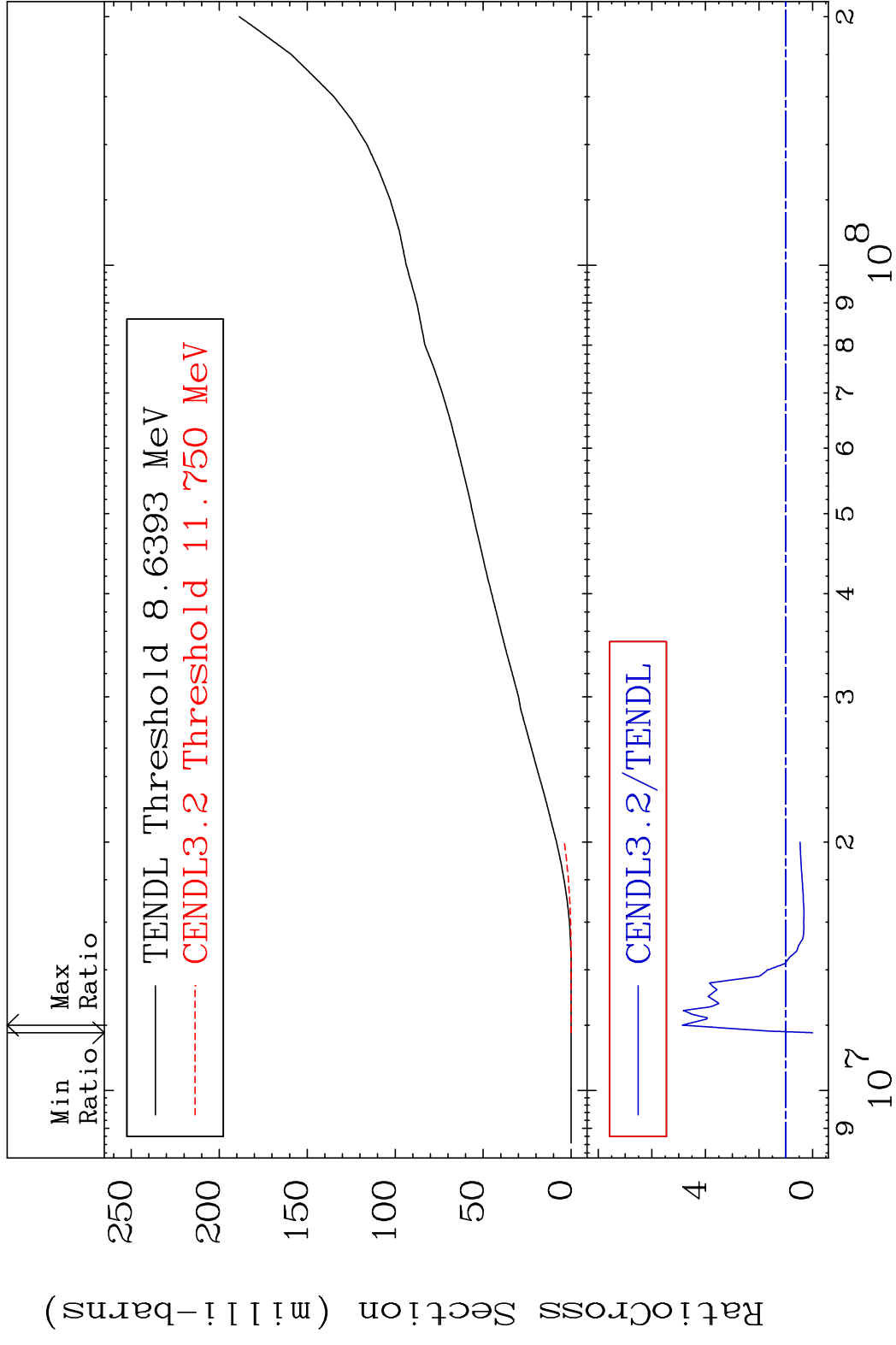


MAT 4449

Deuterium Production

44-Ru-104

Cross Section -100.0 To 386.2 %

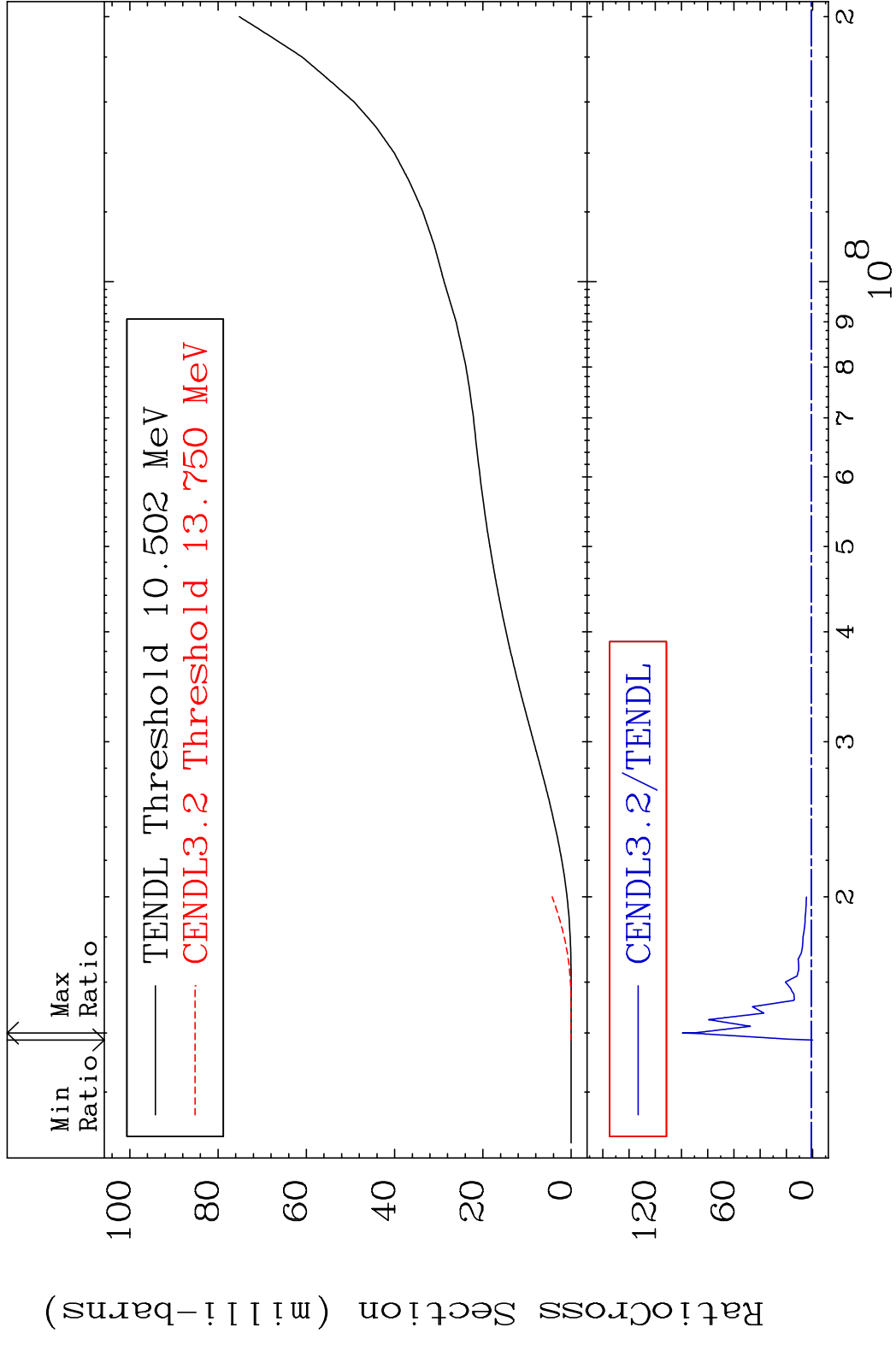


20

Incident Energy (eV)

44-Ru-104

MAT 4449 Tritium Production 44-Ru-104
 Cross Section -100.0 To 9828. %

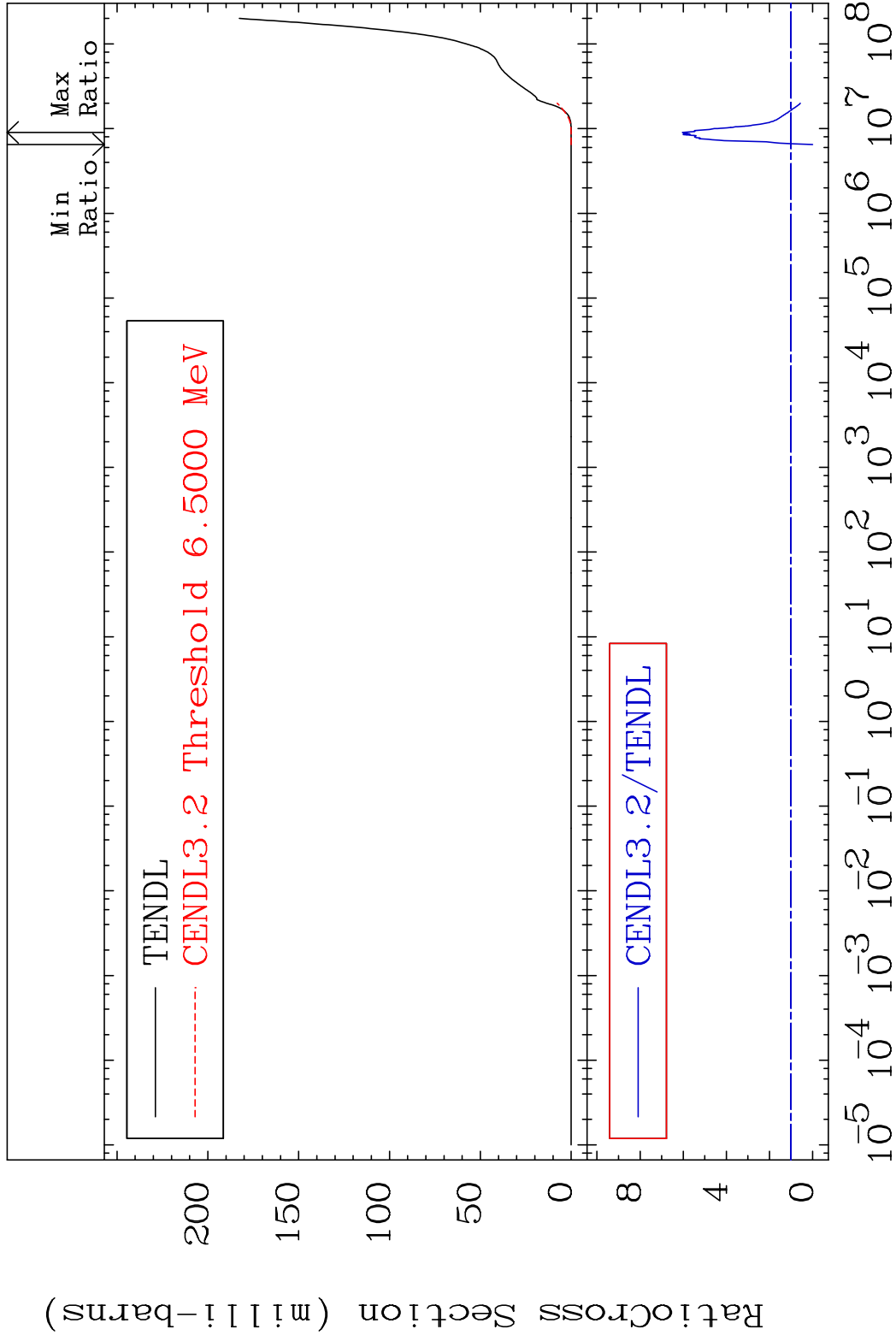


MAT 4449

He-4 Production

44-Ru-104

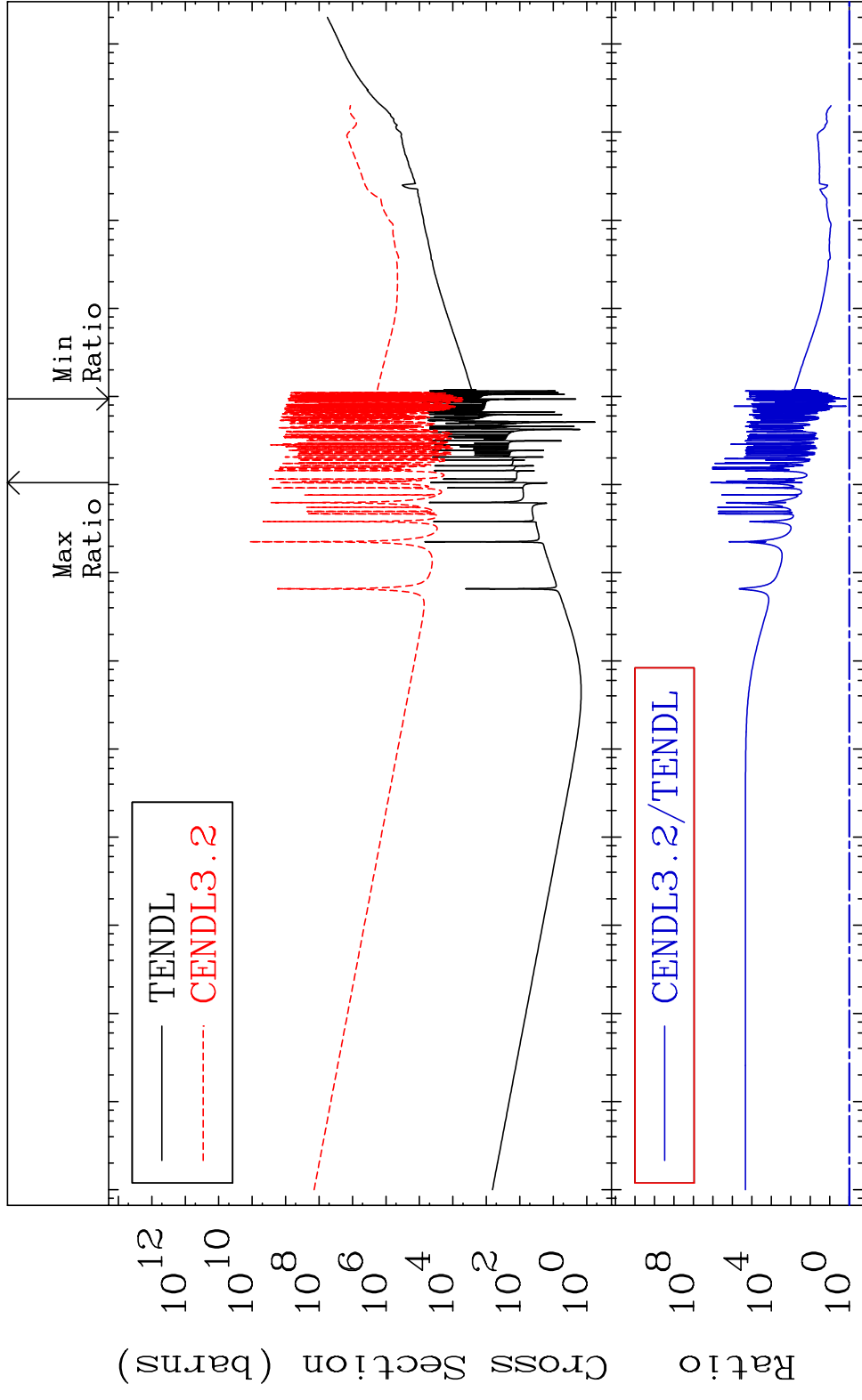
Cross Section -100.0 To 504.0 %



22

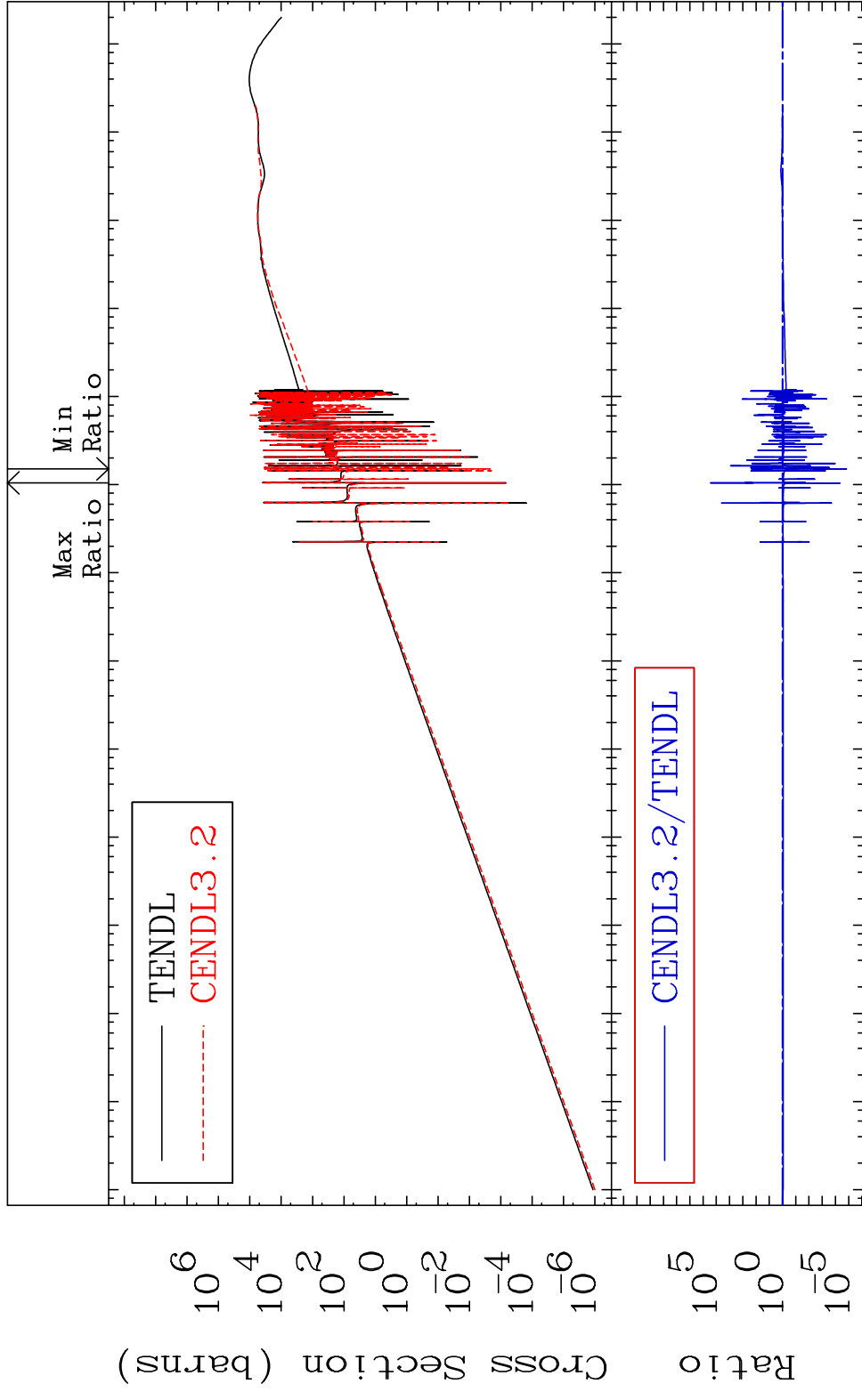
44-Ru-104

MAT 4449 Kerma total (eV-barns) 44-Ru-104
 Cross Section 39.42 To 9999. %



MAT 4449

Kerma elastic
Cross Section -100.0 To 9999. %
44-Ru-104

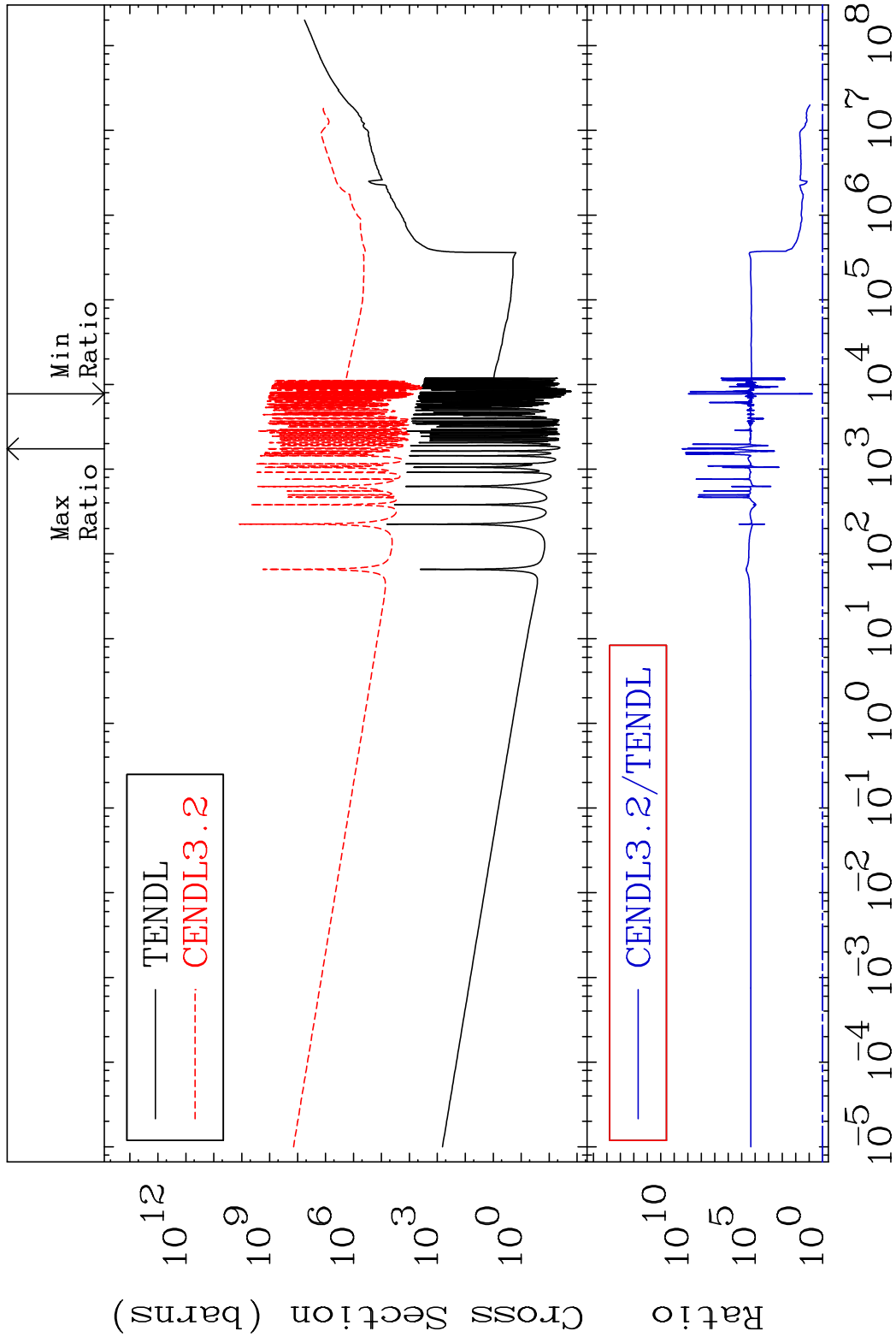


24

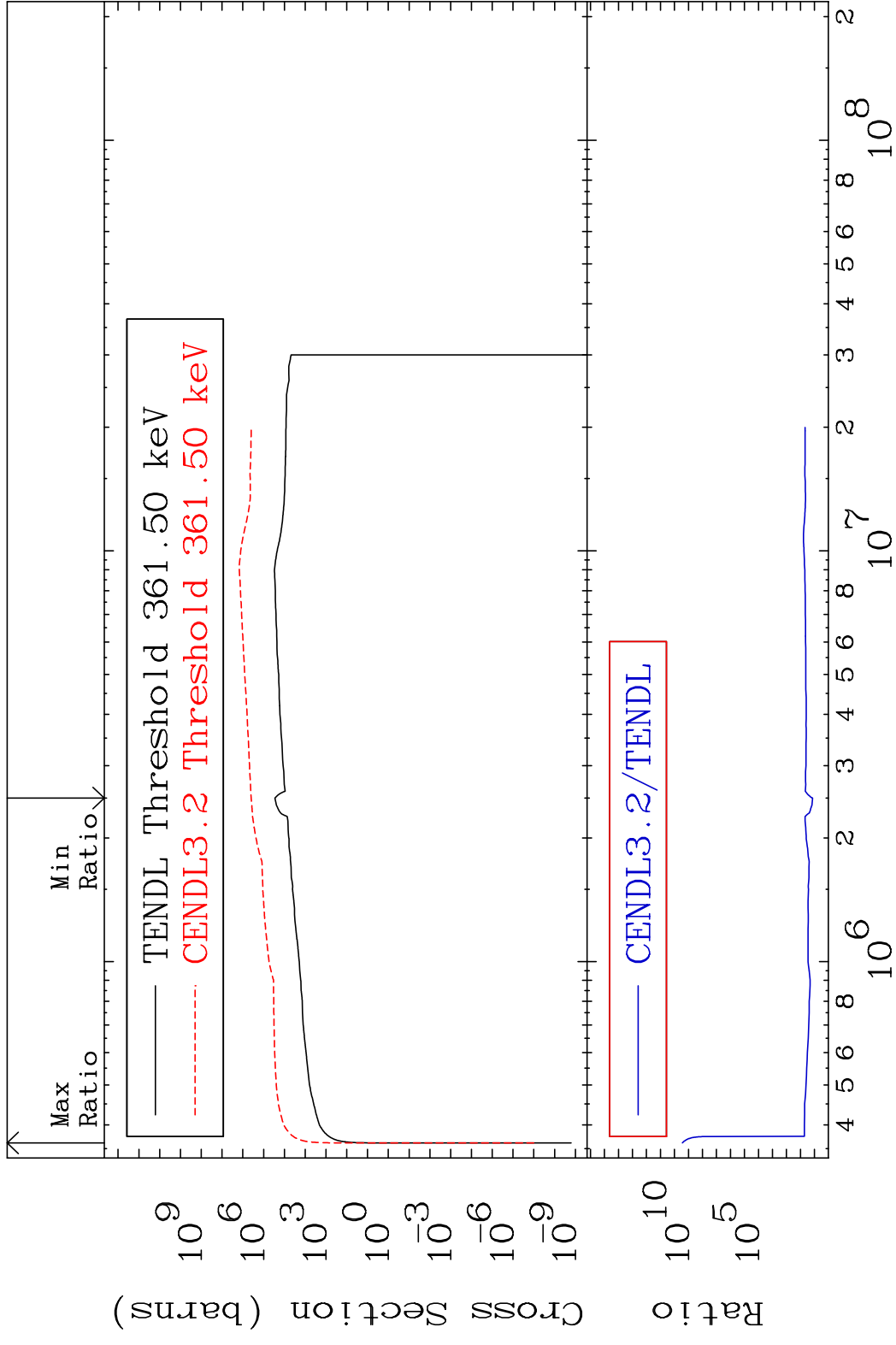
Incident Energy (eV)

44-Ru-104

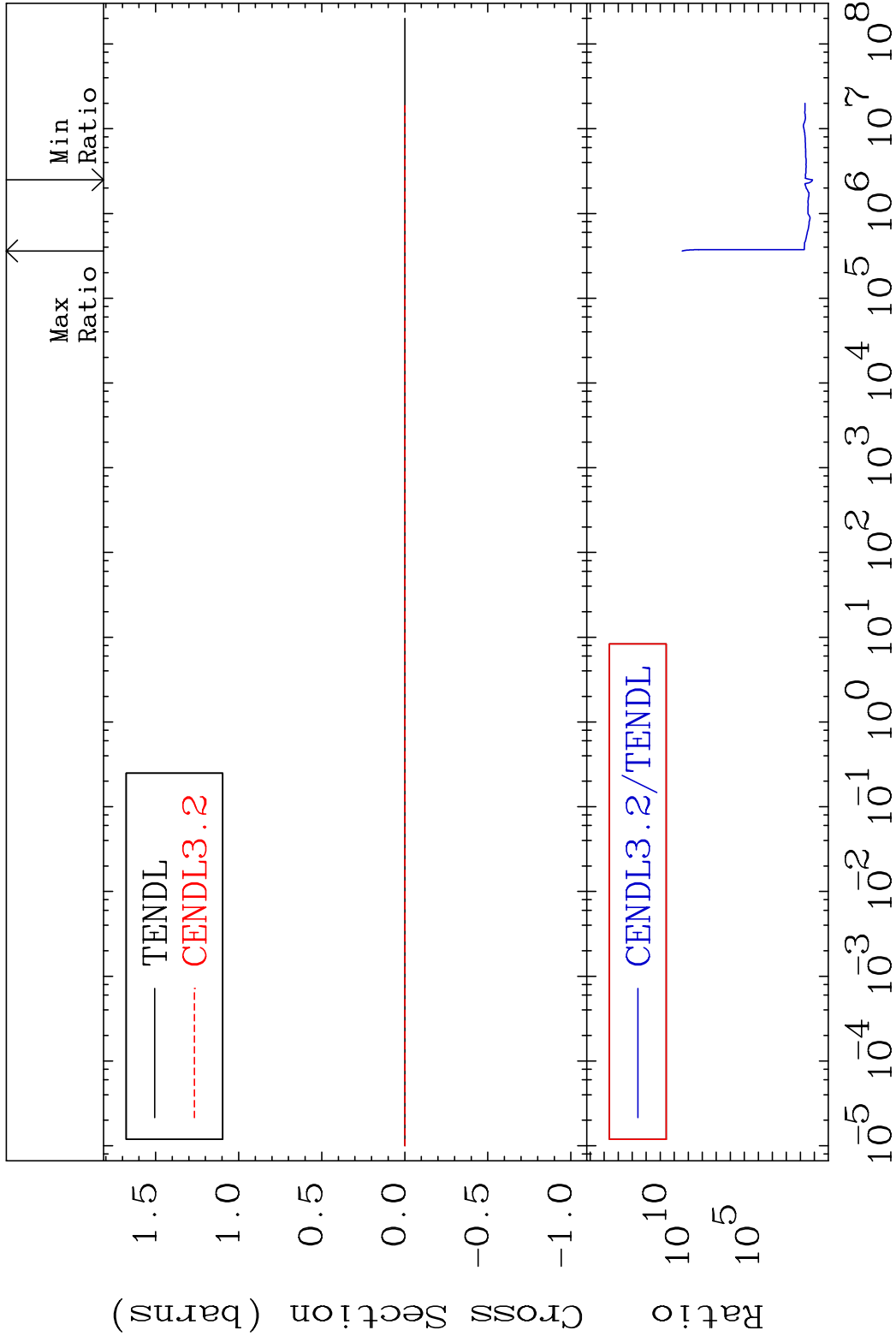
MAT 4449 Kerma non-elastic (all but mt2) 44-Ru-104
 Cross Section 460.3 To 9999. %



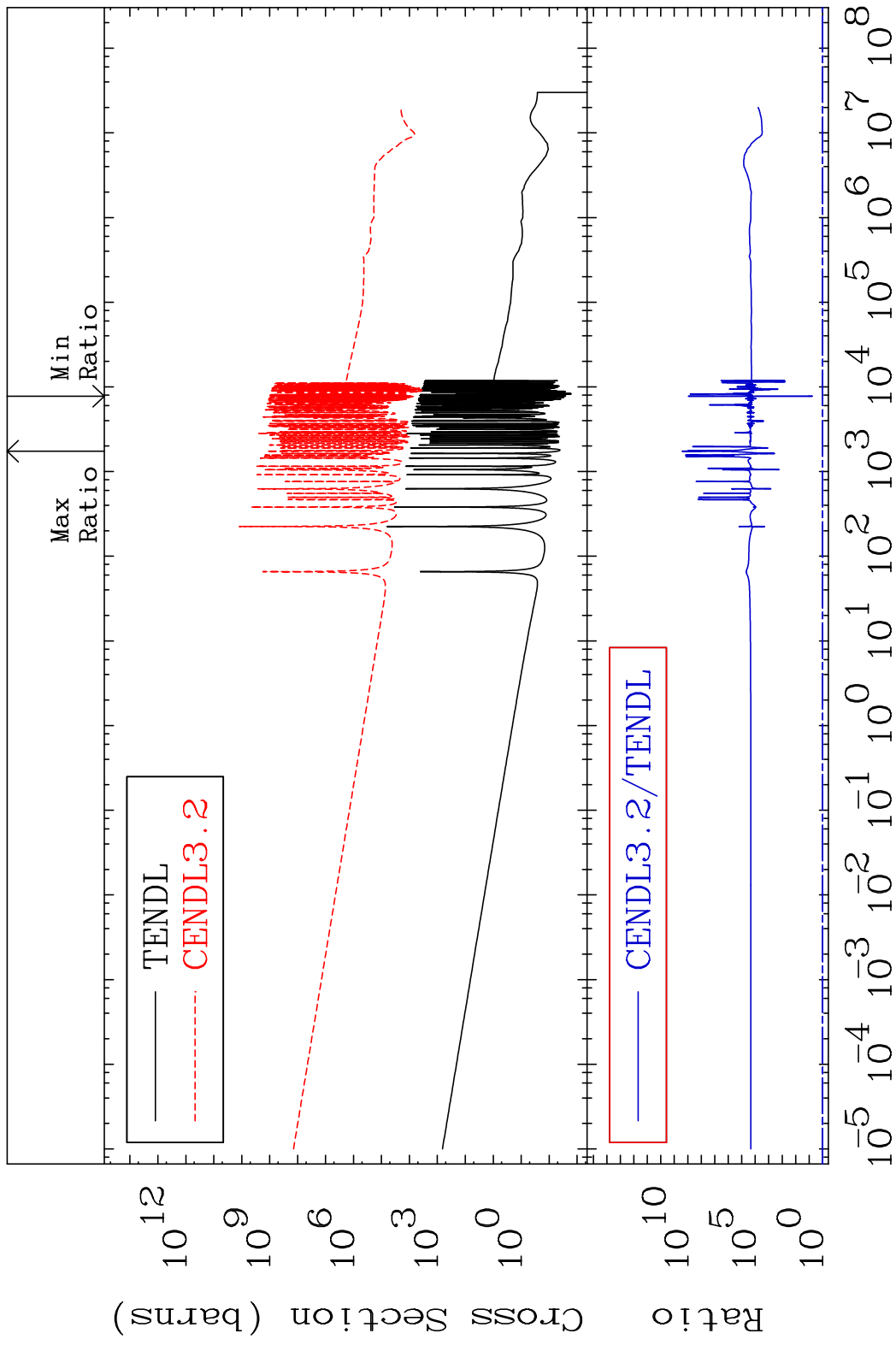
MAT 4449 Kerma inelastic (mt51-91) 44-Ru-104
 Cross Section 1275. To 9999. %



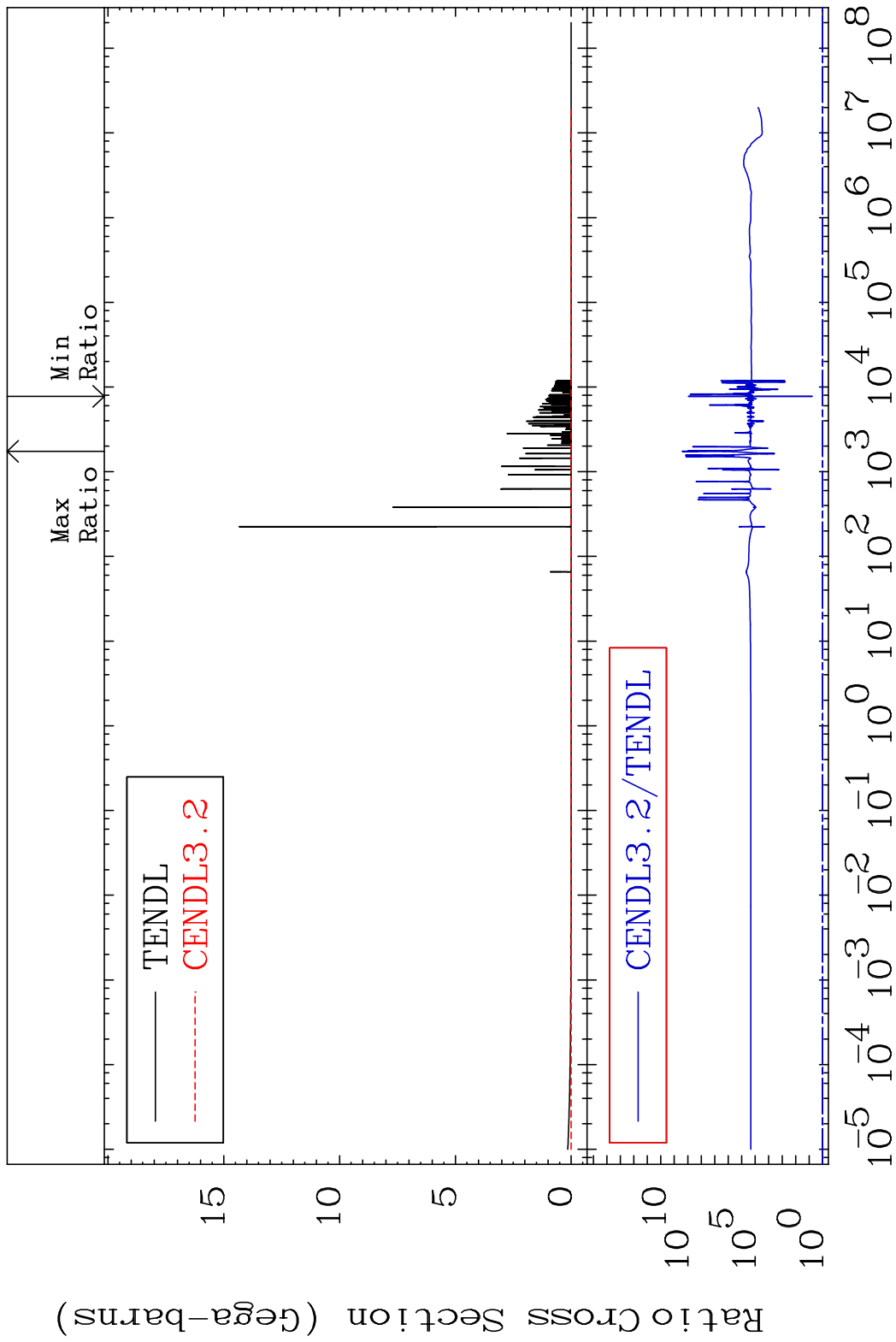
MAT 4449 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-104
 Cross Section 1275. To 9999. %



MAT 4449 Kerma capture (mt102) 44-Ru-104
 Cross Section 460.3 To 9999. %

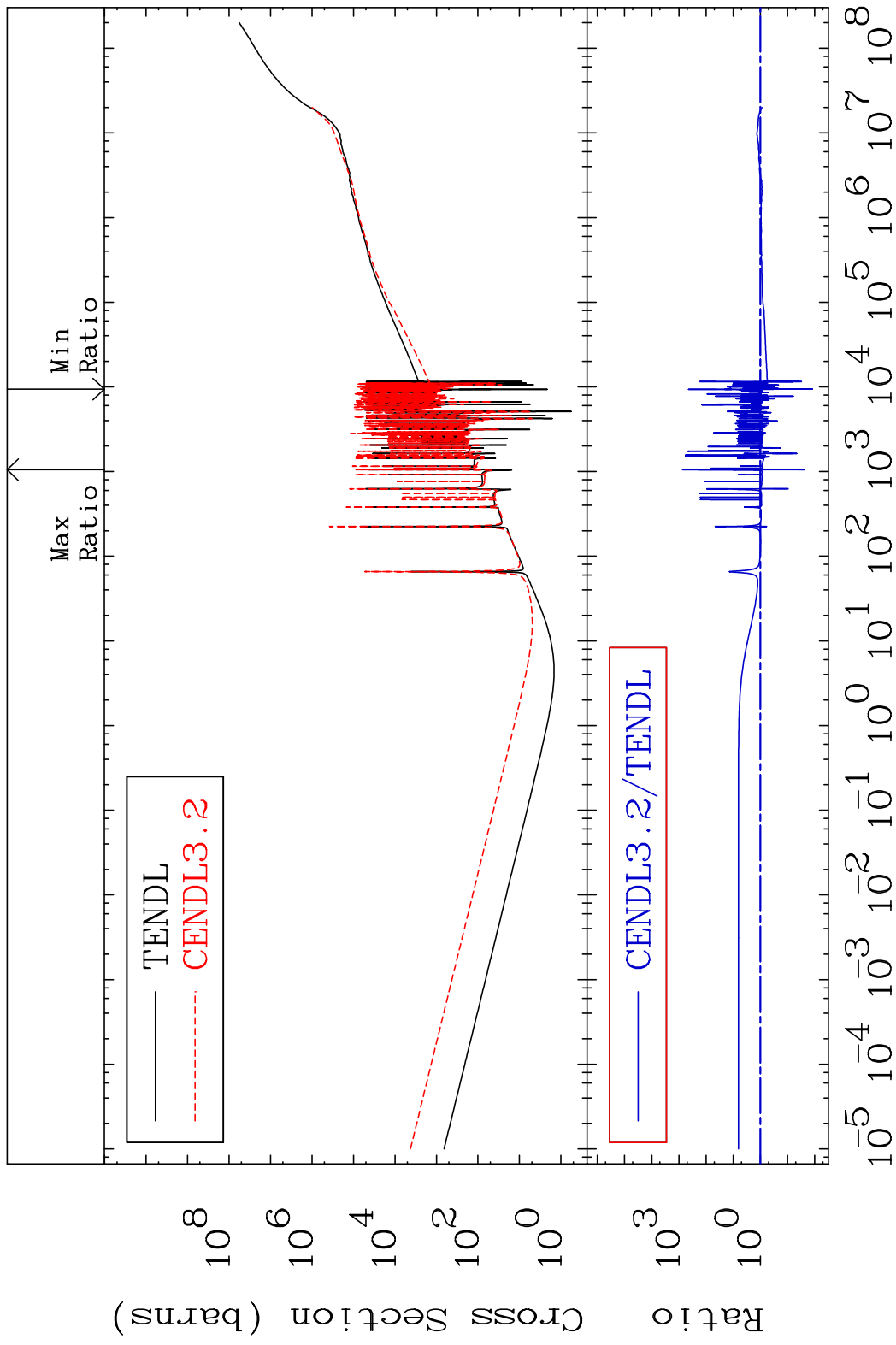


MAT 4449 Total photon (eV-barns) 44-Ru-104
 Cross Section 460.3 To 9999. %

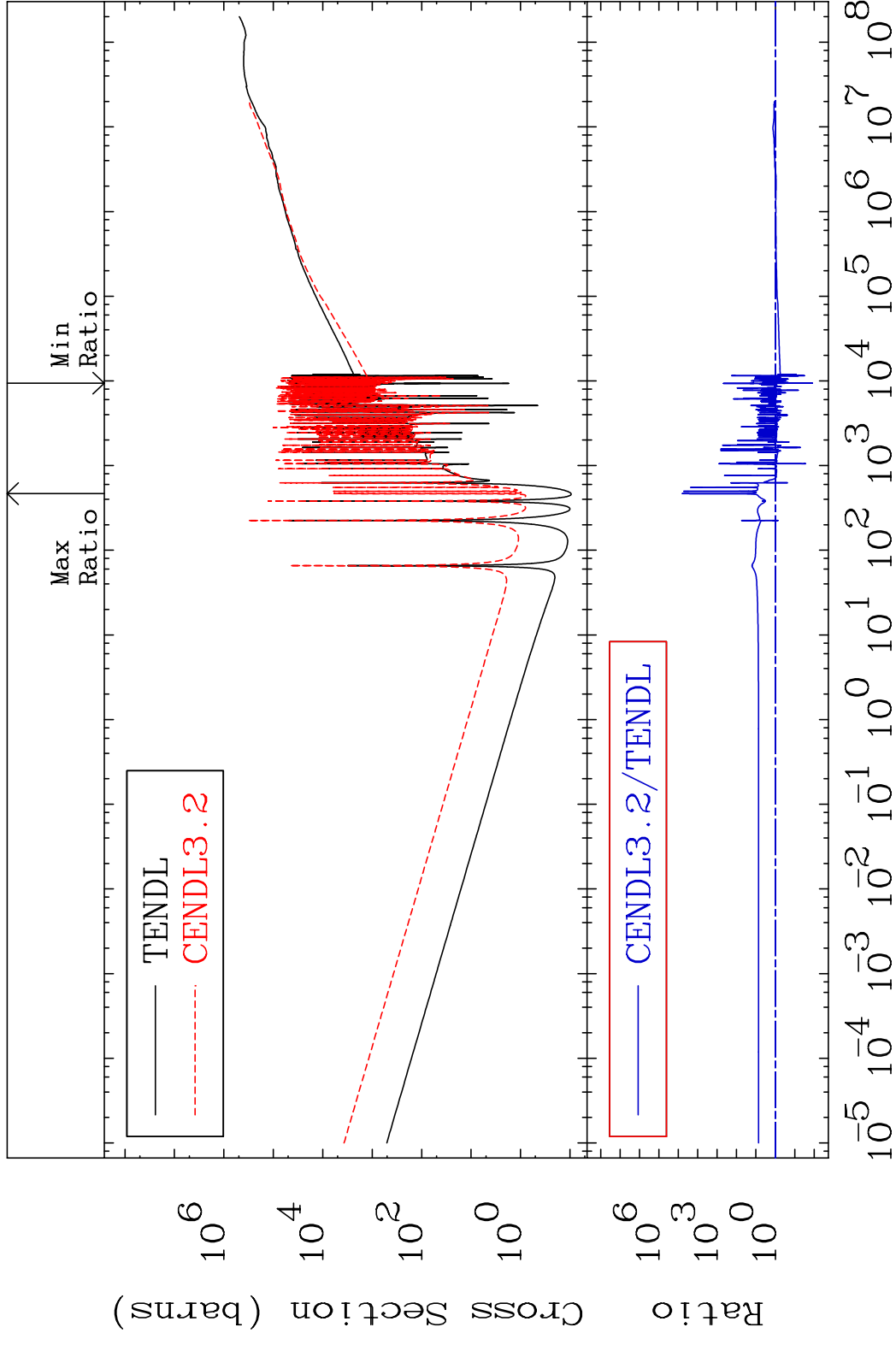


29 Incident Energy (eV) 44-Ru-104

MAT 4449 Total kinematic kerma (high limit) 44-Ru-104
 Cross Section -98.79 To 9999. %



MAT 4449 Dpa total (eV-barns) 44-Ru-104
 Cross Section -98.79 To 9999. %

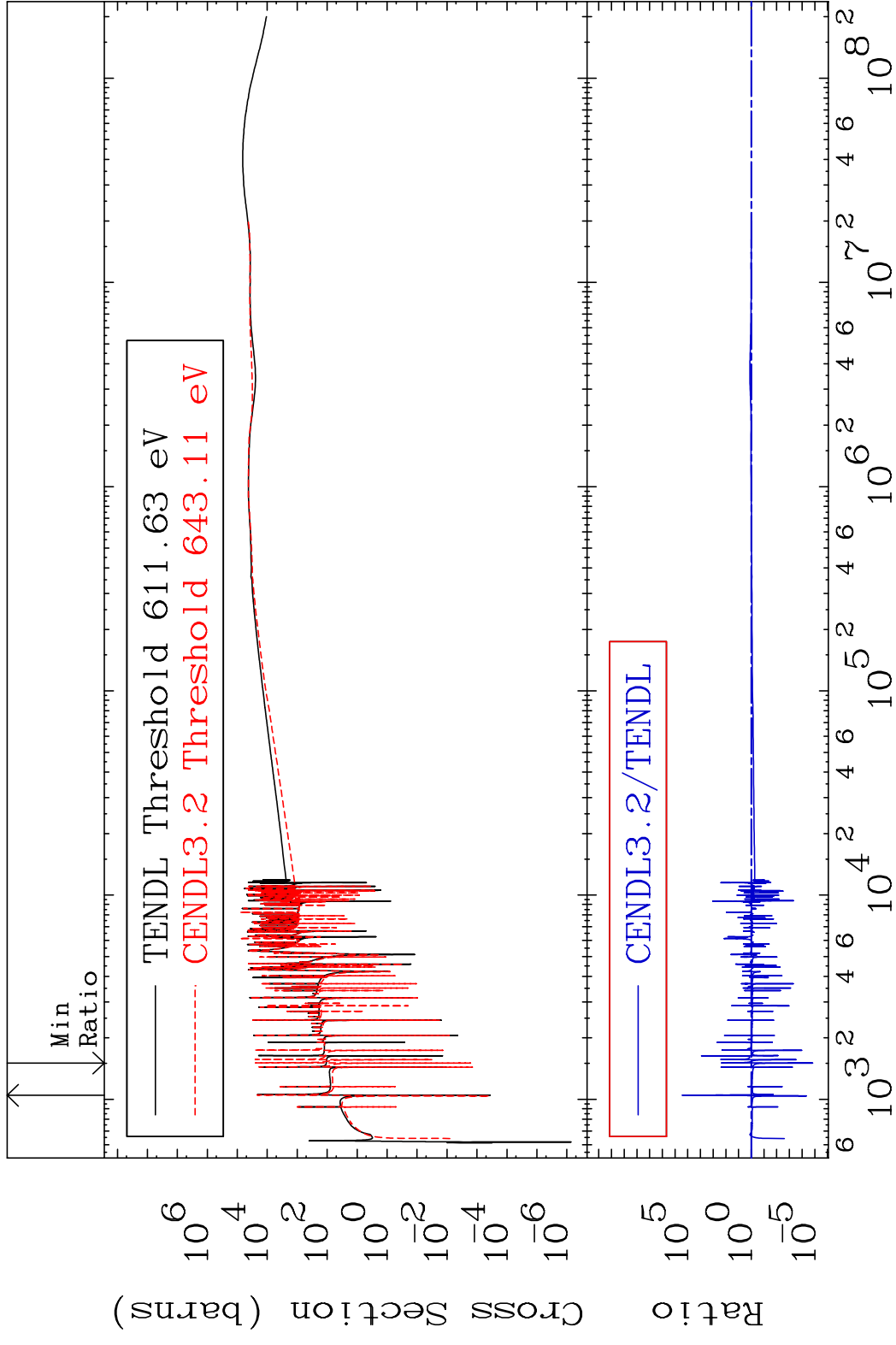


MAT 4449

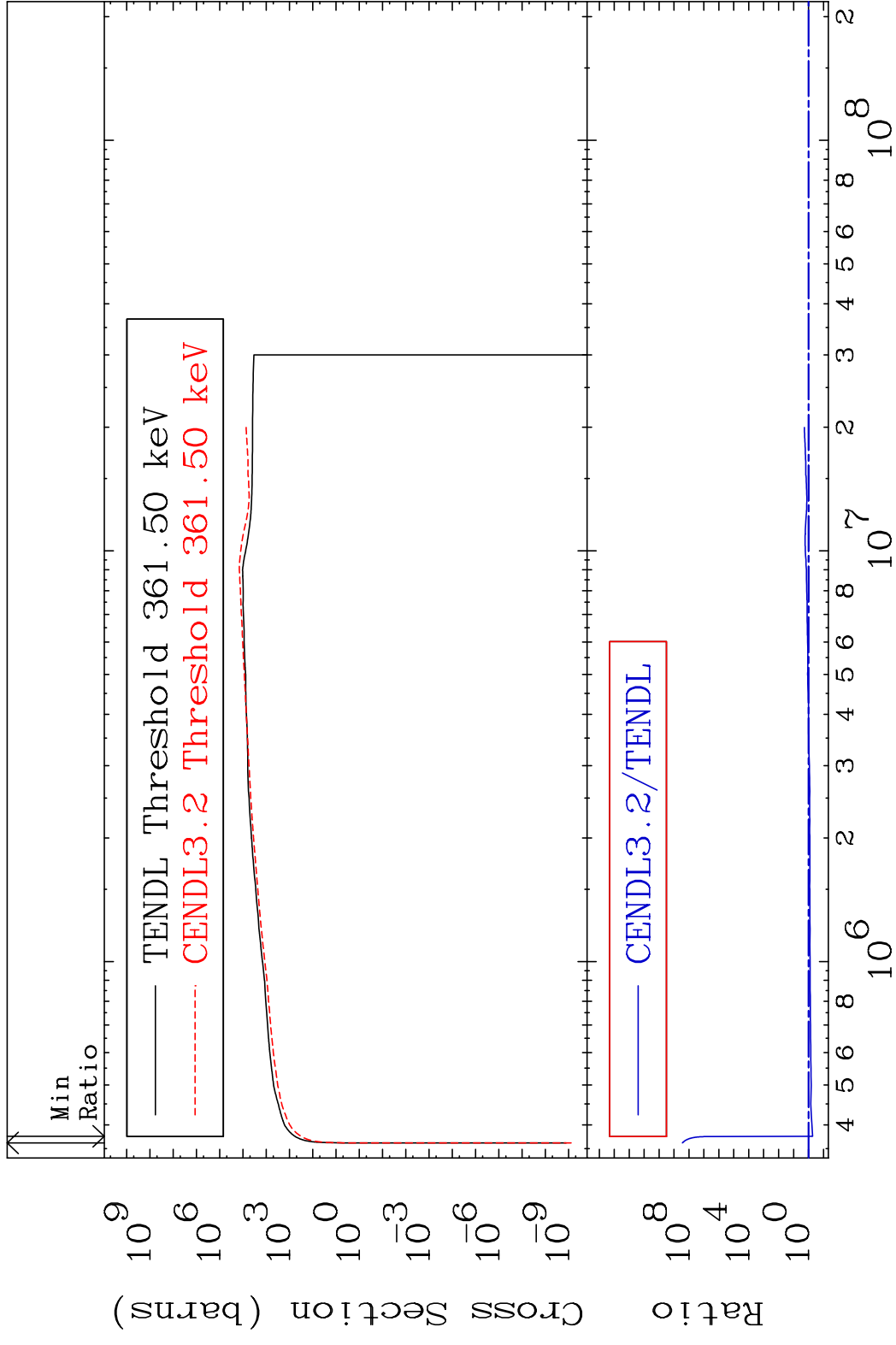
Dpa elastic (mt2)

44-Ru-104

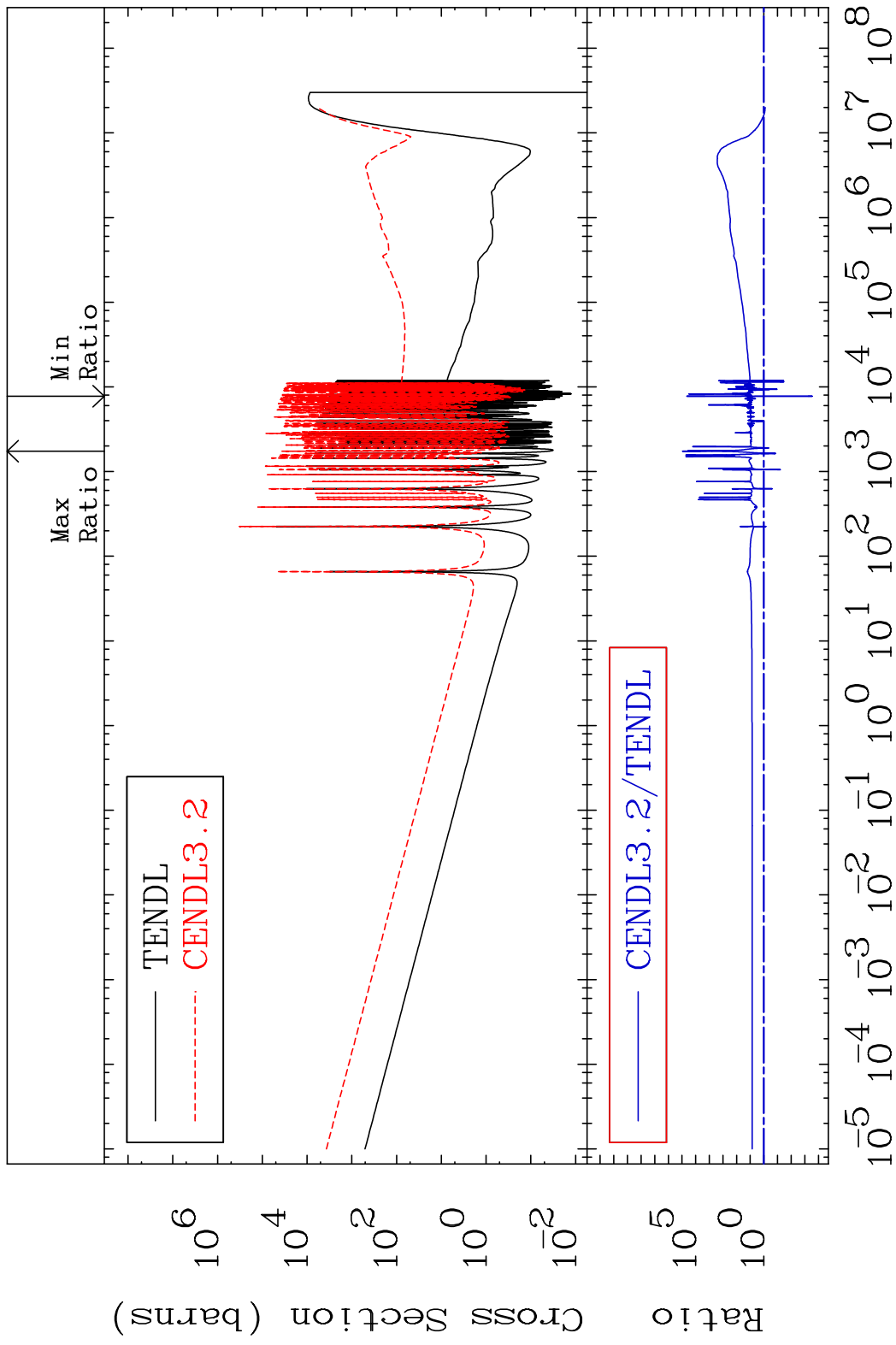
Cross Section -100.0 To 9999. %



MAT 4449 Dpa inelastic (mt51-91) 44-Ru-104
 Cross Section -46.42 To 9999. %



MAT 4449 Dpa disappearance (mt102 -120) 44-Ru-104
 Cross Section -99.97 To 9999. %

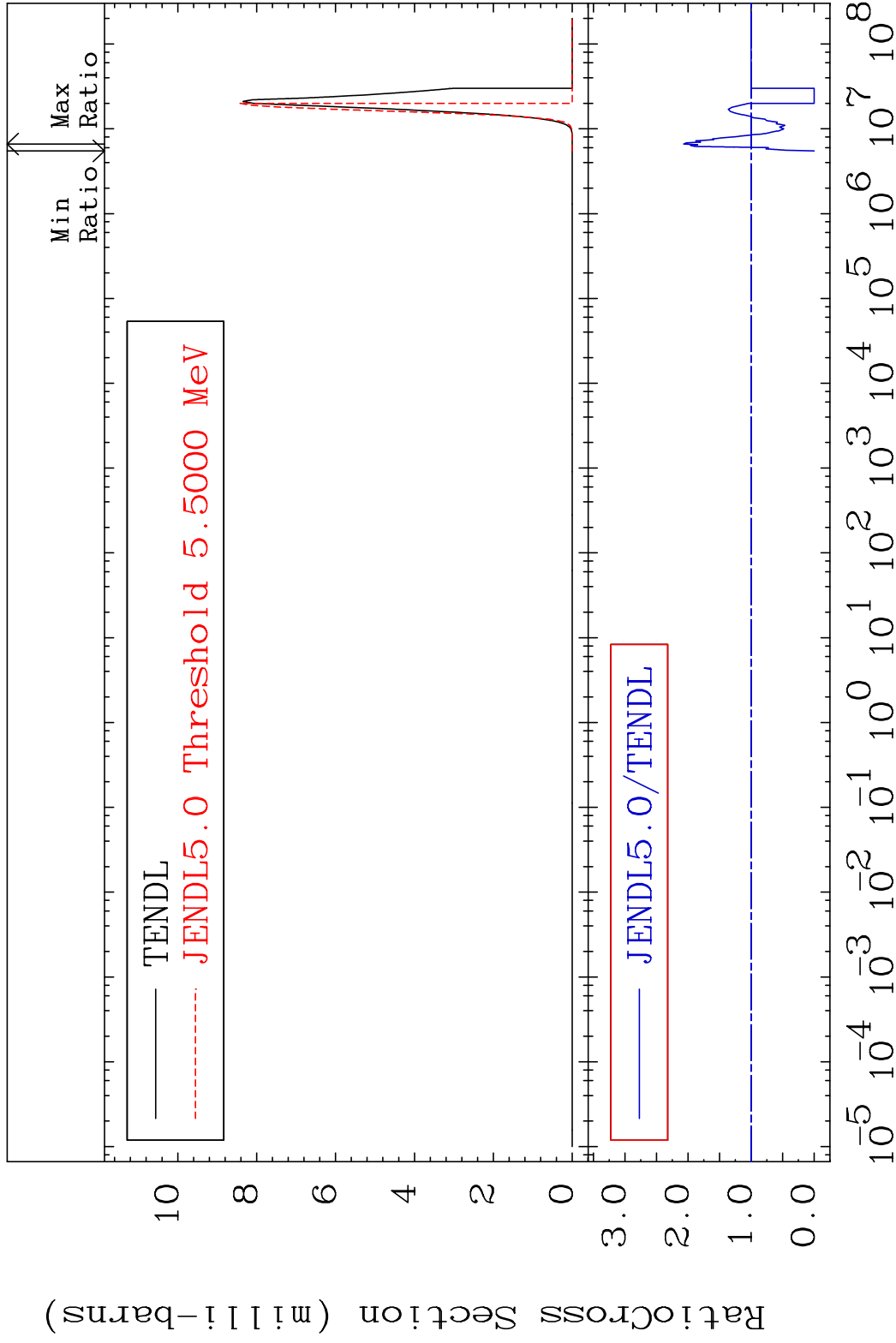


MAT 4449

(n, α)

44-Ru-104

Cross Section -100.0 To 106.9 %

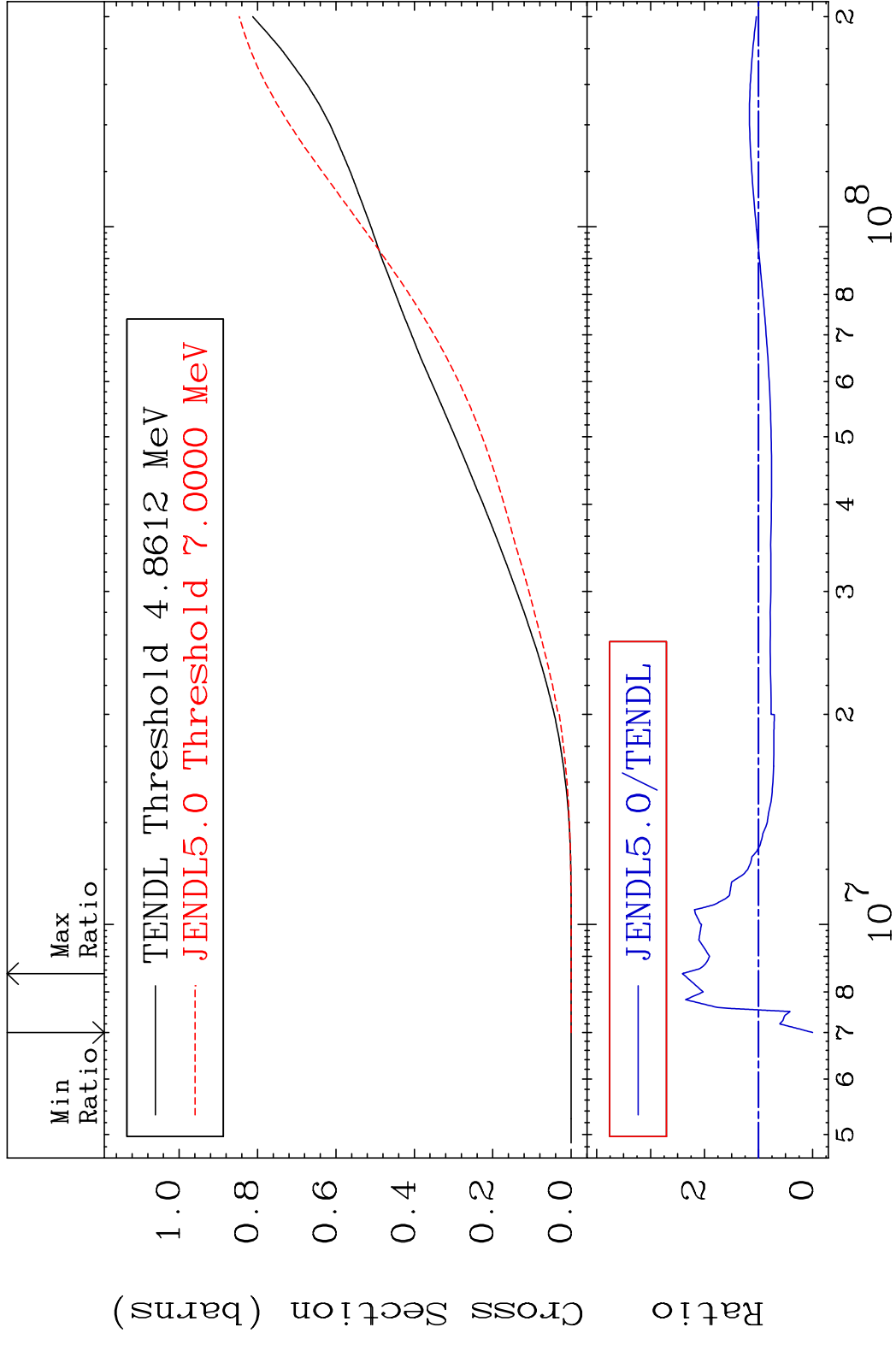


35

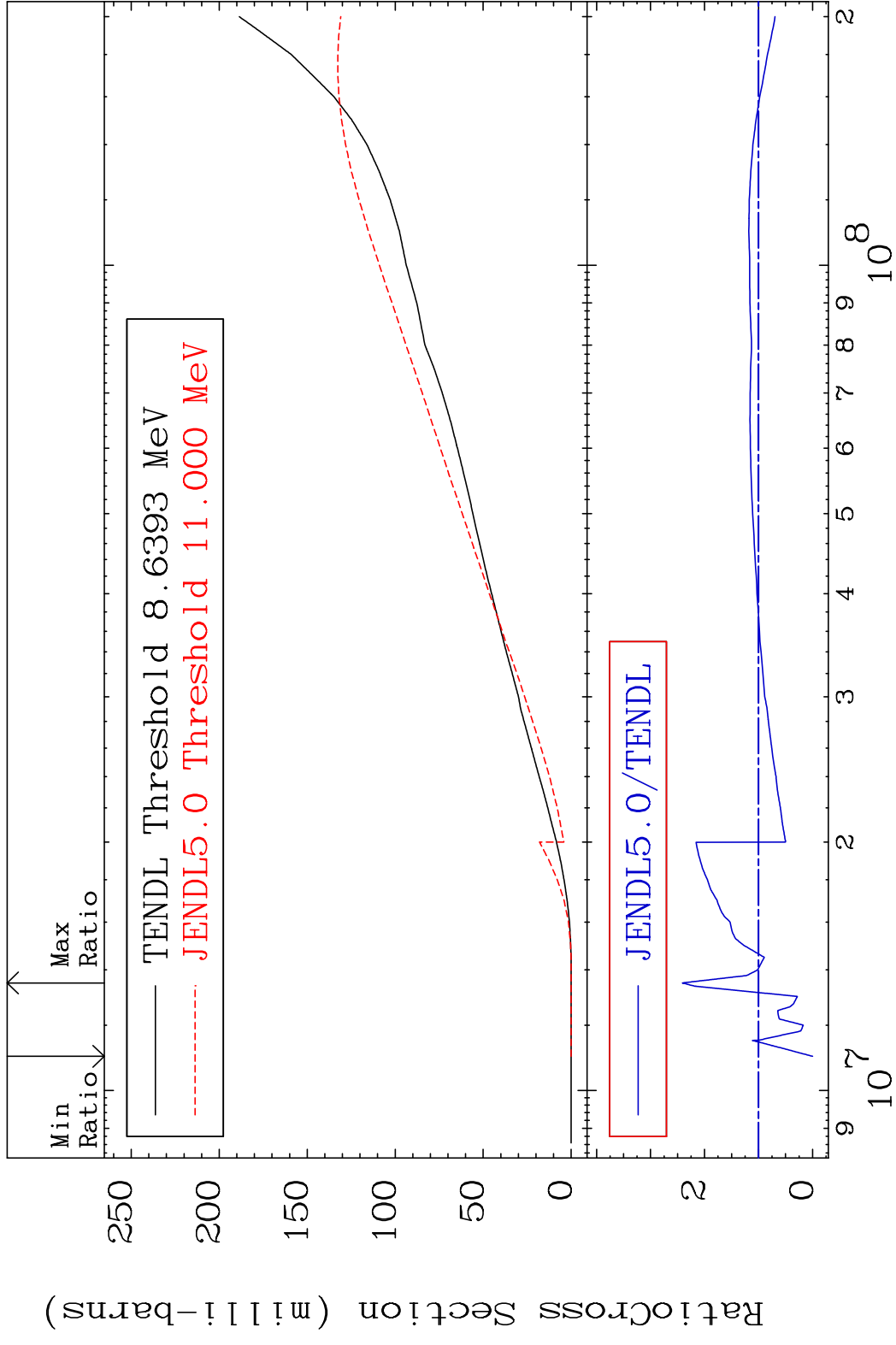
Incident Energy (eV)

44-Ru-104

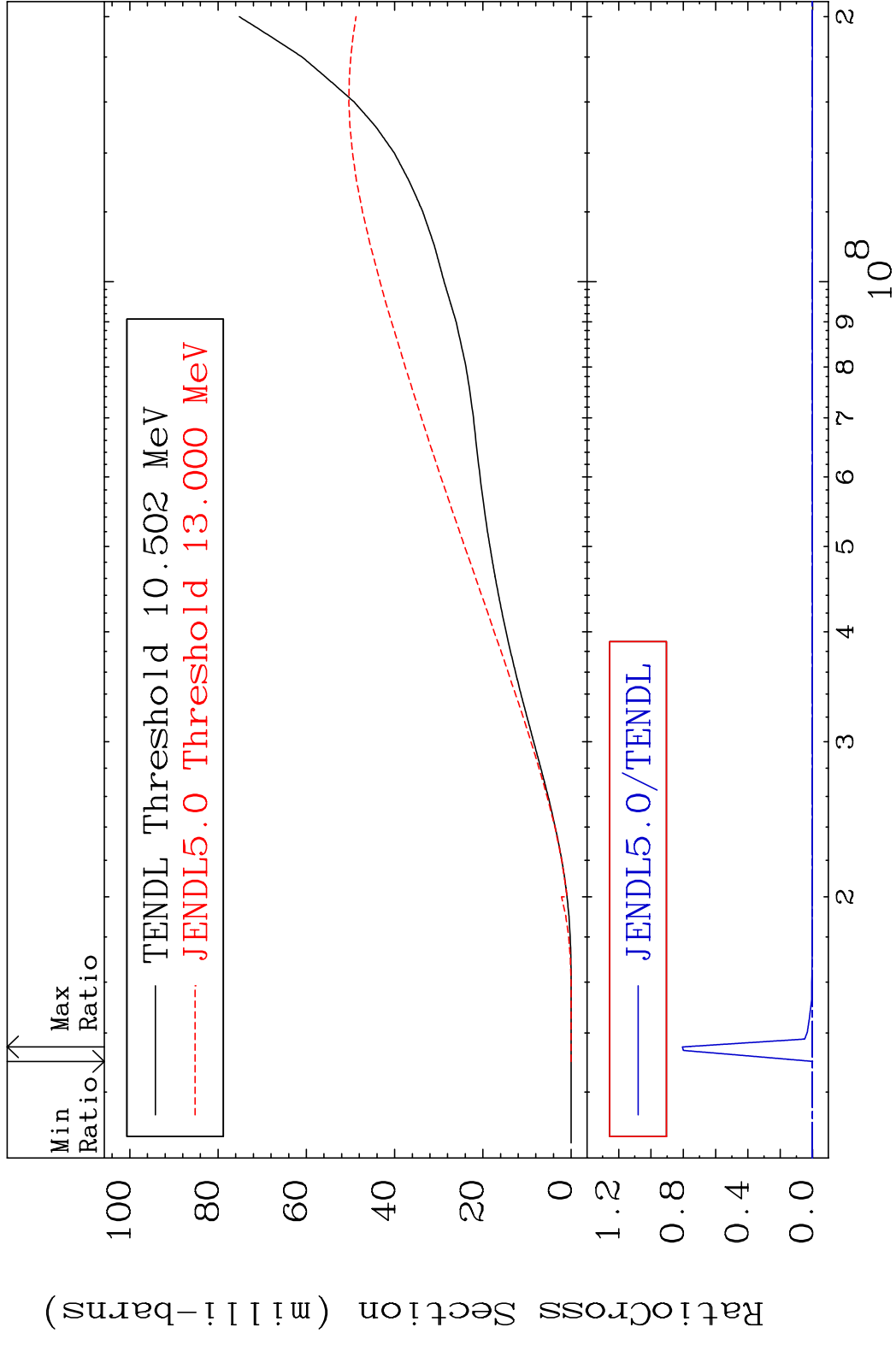
MAT 4449 Hydrogen Production 44-Ru-104
 Cross Section -100.0 To 141.2 %



MAT 4449 Deuterium Production 44-Ru-104
 Cross Section -100.0 To 141.1 %



MAT 4449 Tritium Production 44-Ru-104
 Cross Section -100.0 To 9999. %

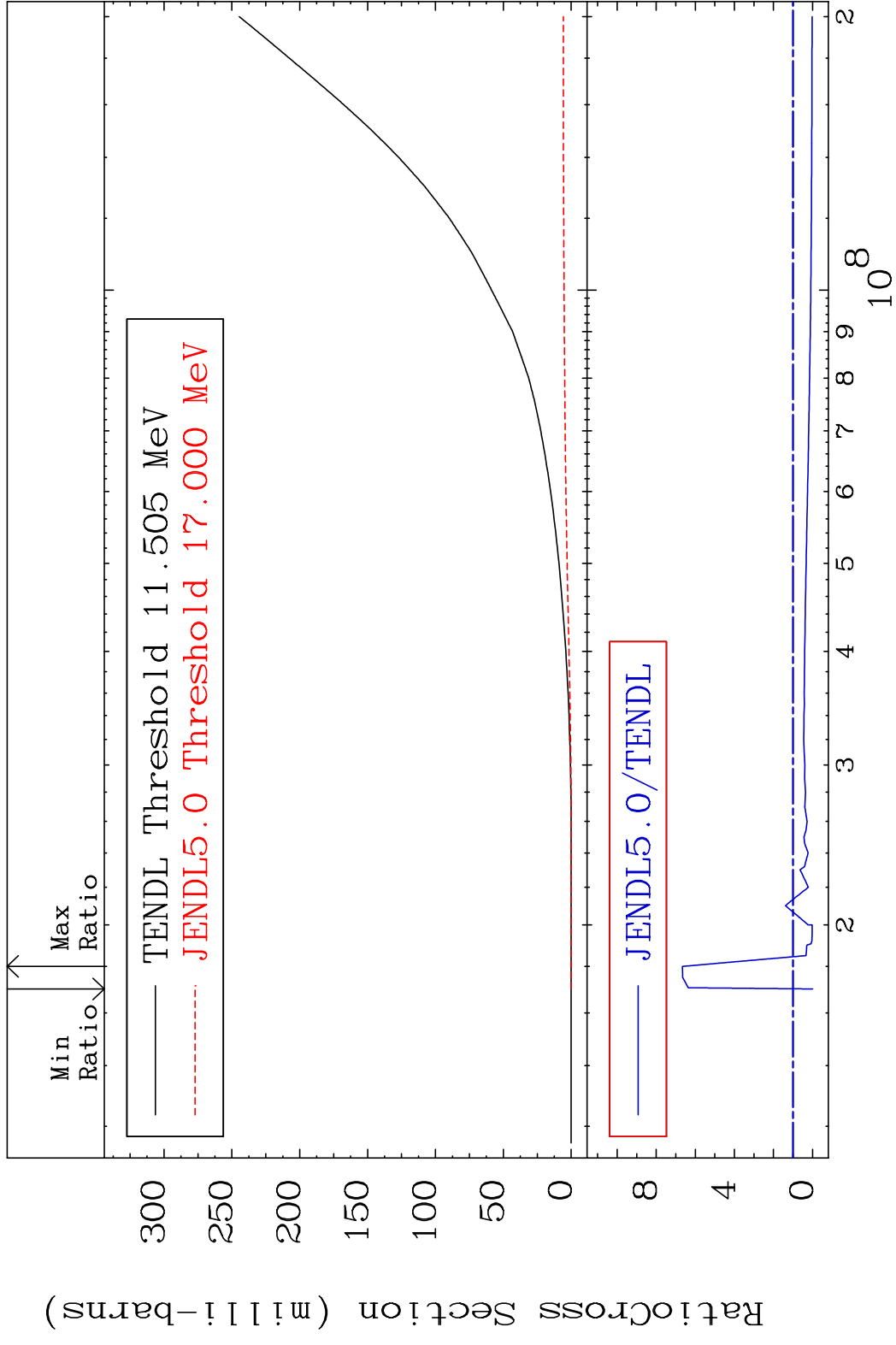


MAT 4449

He-3 Production

44-Ru-104

Cross Section -100.0 To 566.3 %



39

Incident Energy (eV)

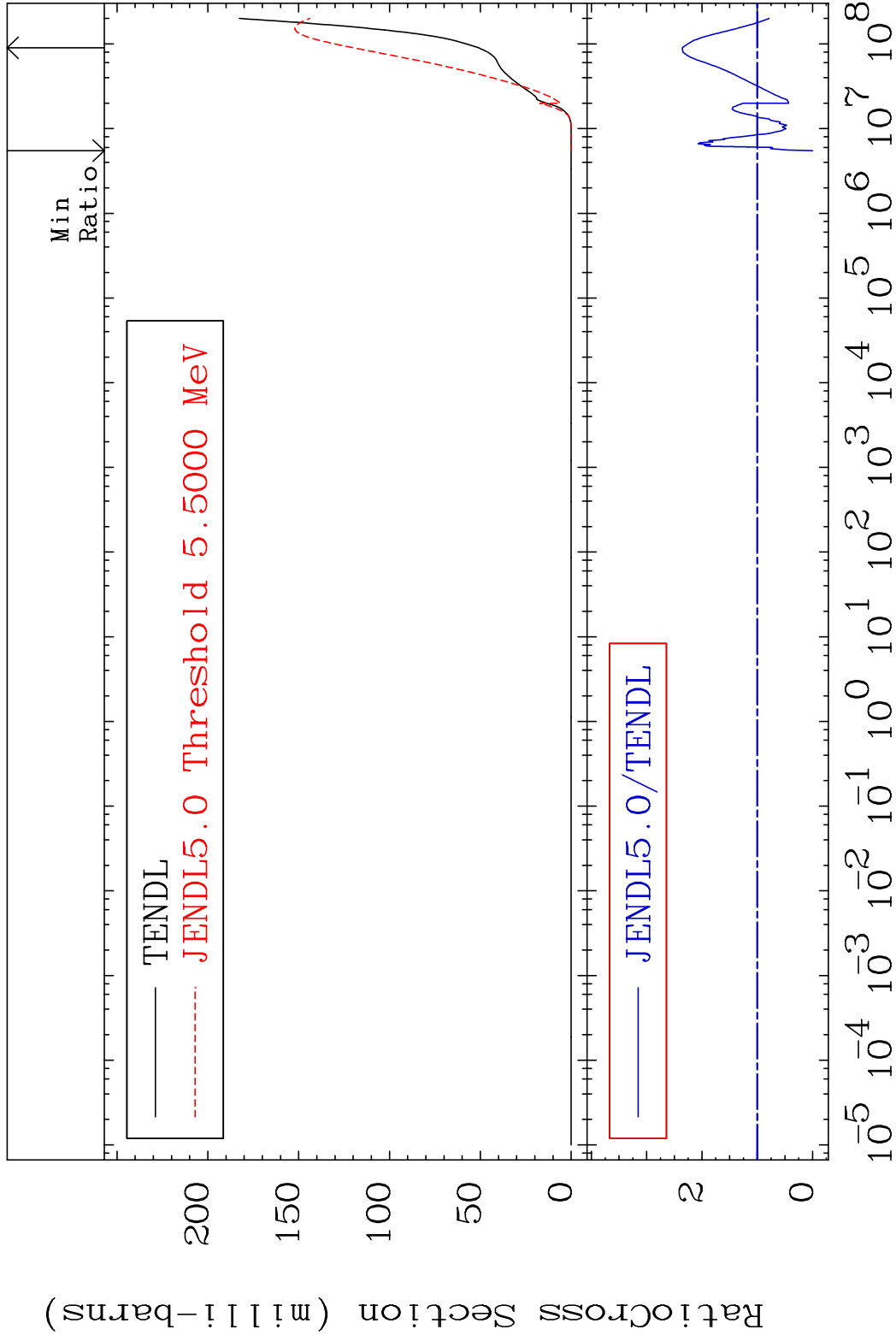
44-Ru-104

MAT 4449

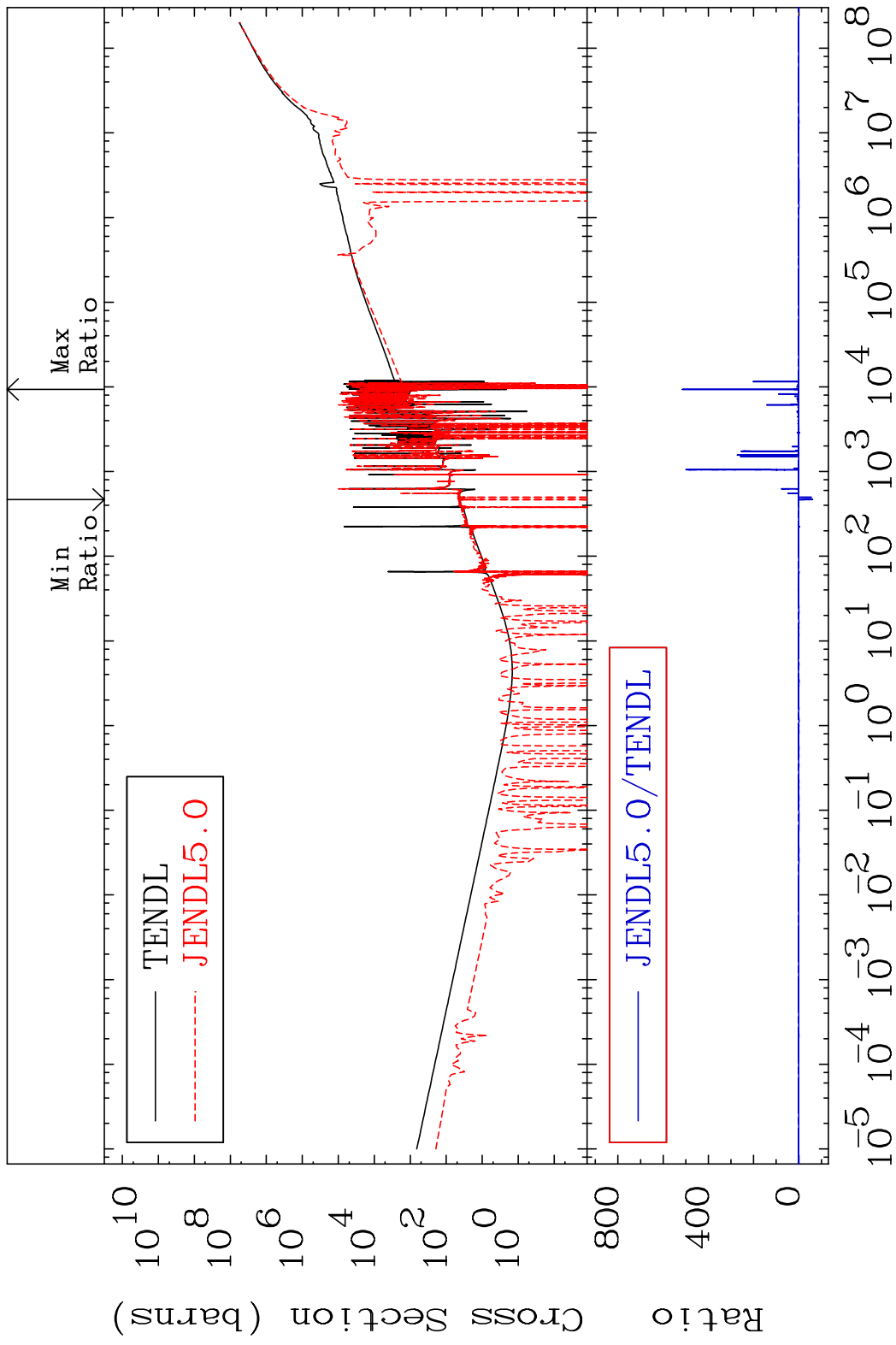
He-4 Production

44-Ru-104

Cross Section -100.0 To 135.5 %

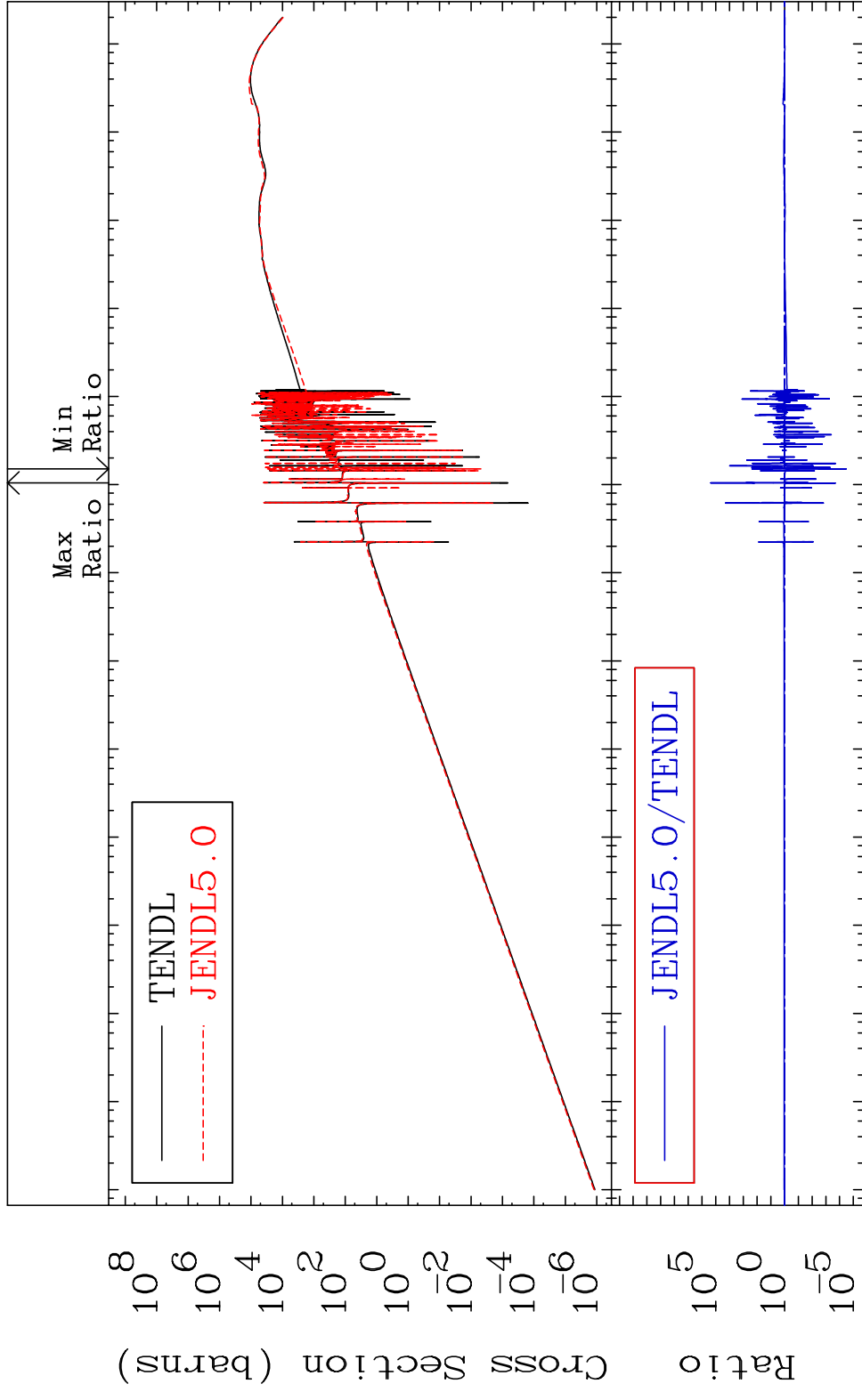


MAT 4449 Kerma total (eV-barns) 44-Ru-104
 Cross Section -6170. To 9999. %

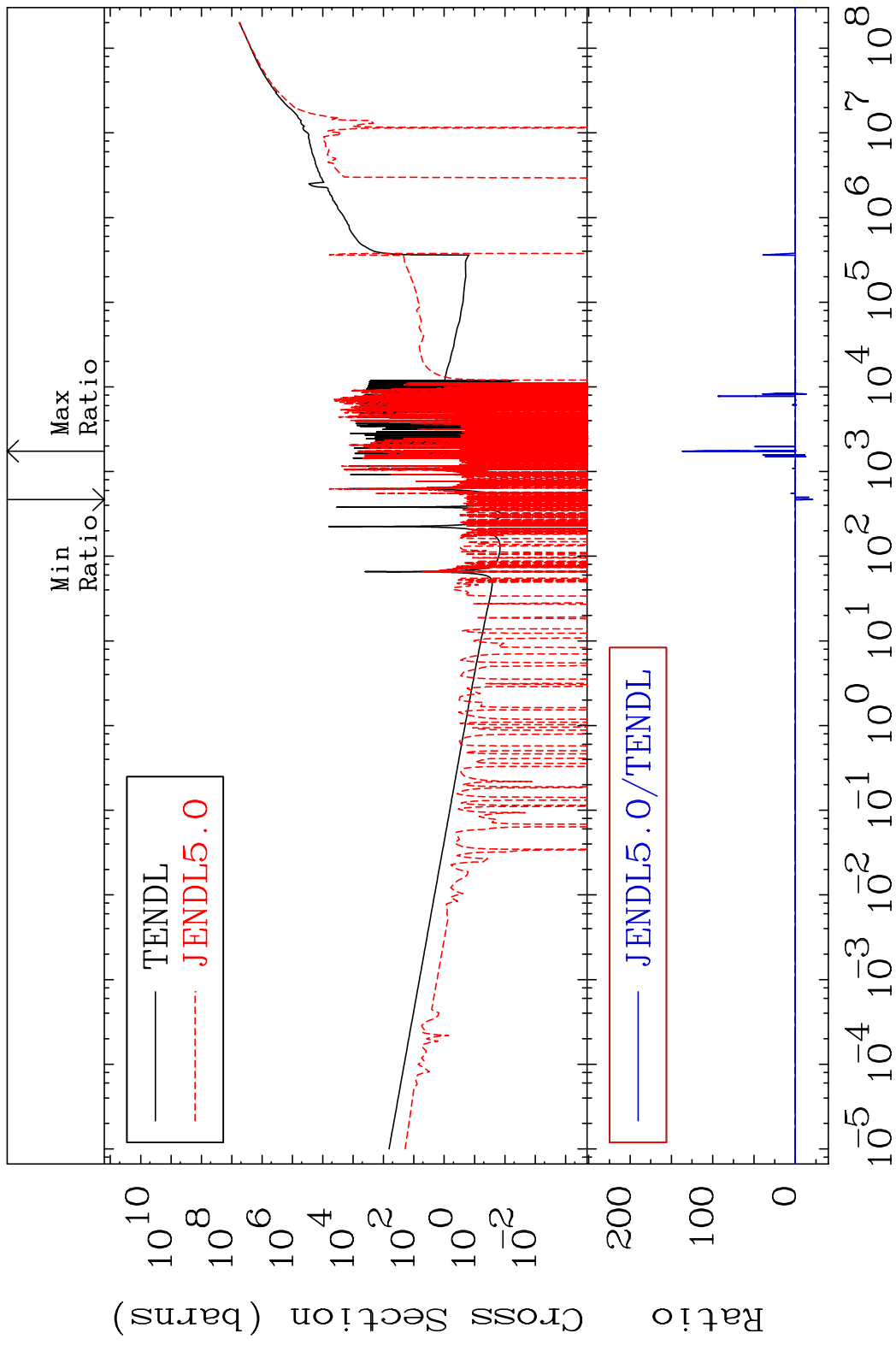


MAT 4449

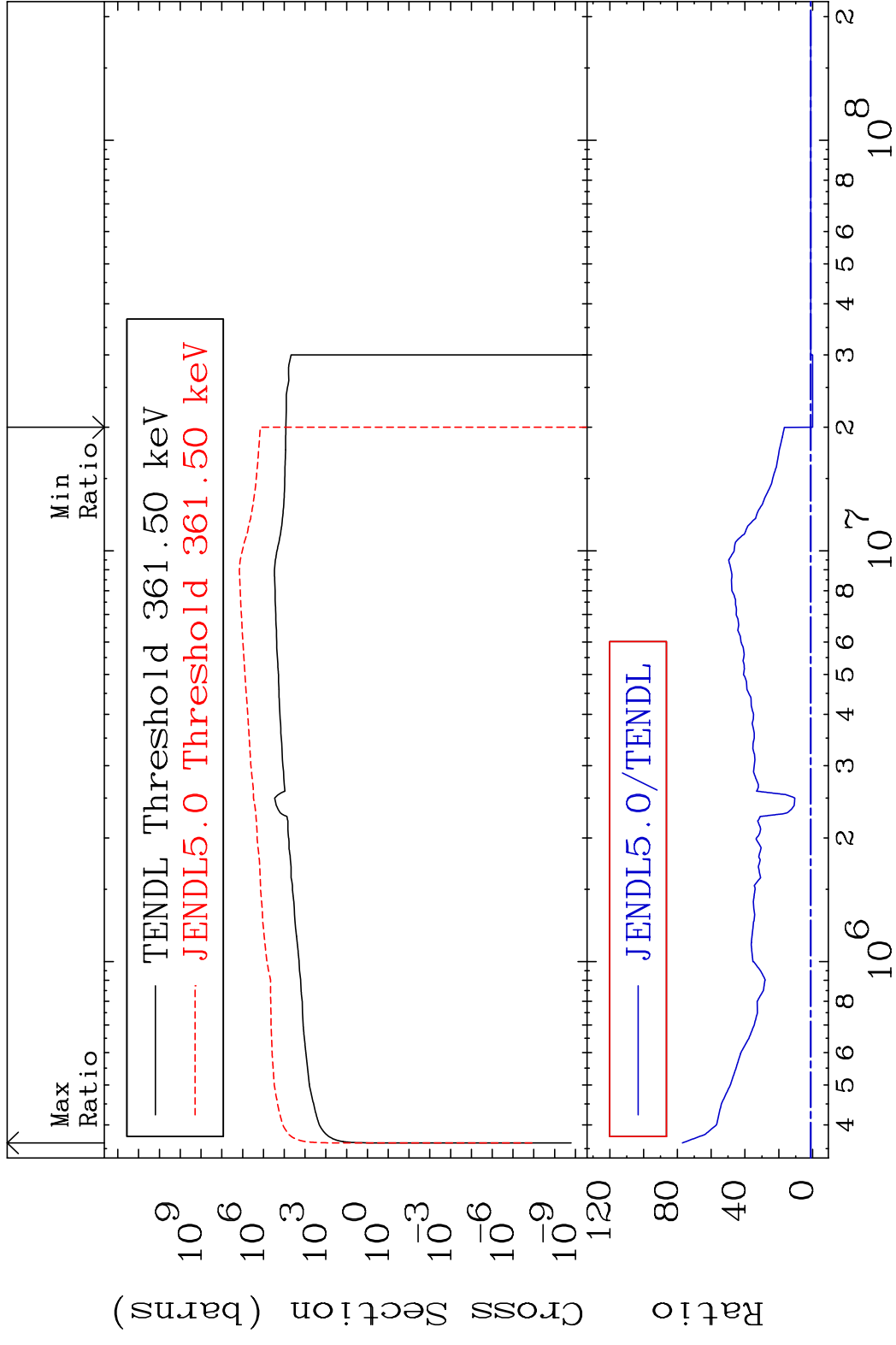
Kerma elastic
Cross Section -100.0 To 9999. %
44-Ru-104



MAT 4449 Kerma non-elastic (all but mt2) 44-Ru-104
Cross Section -9999. To 9999. %

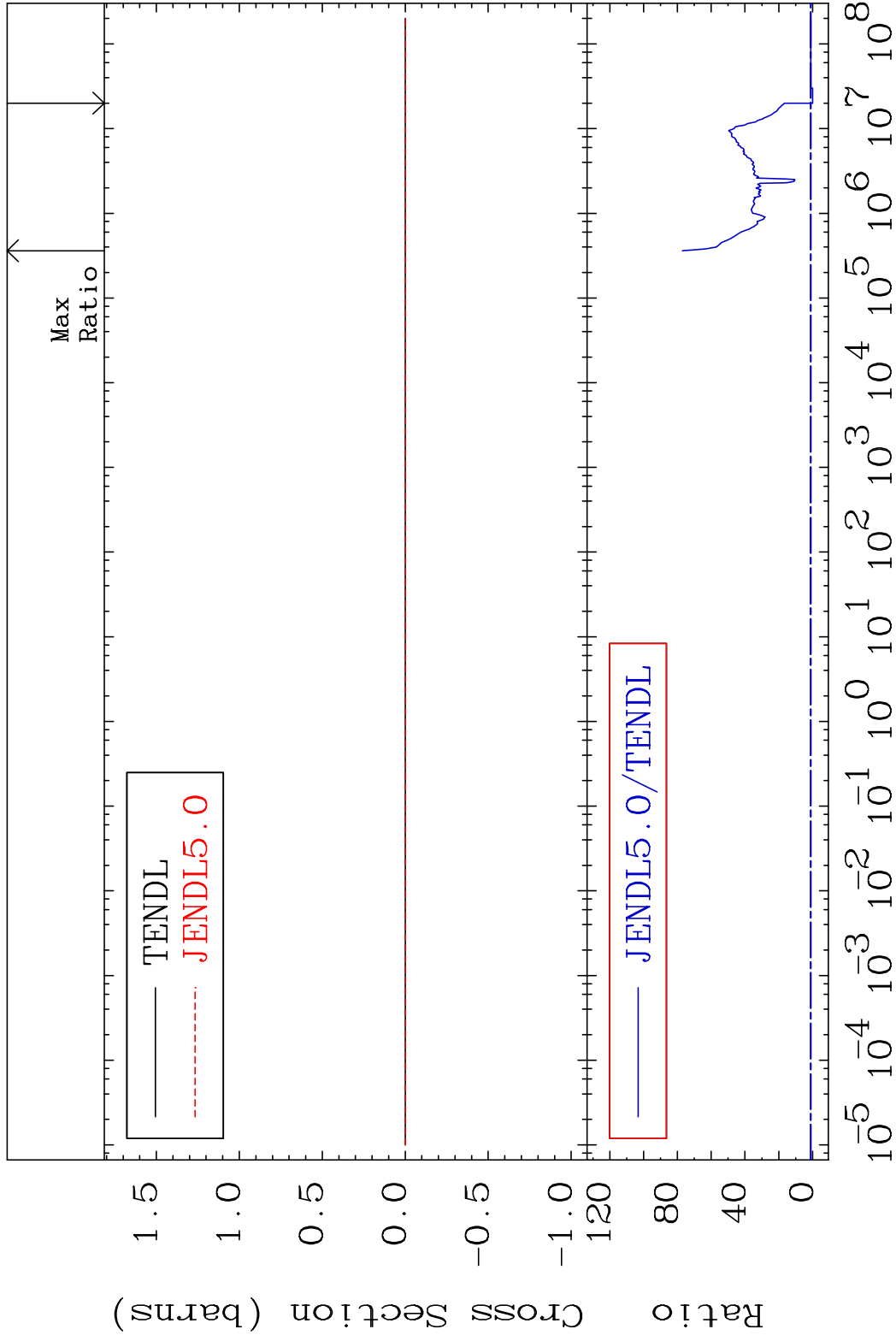


MAT 4449 Kerma inelastic (mt51-91) 44-Ru-104
 Cross Section -100.0 To 7607. %

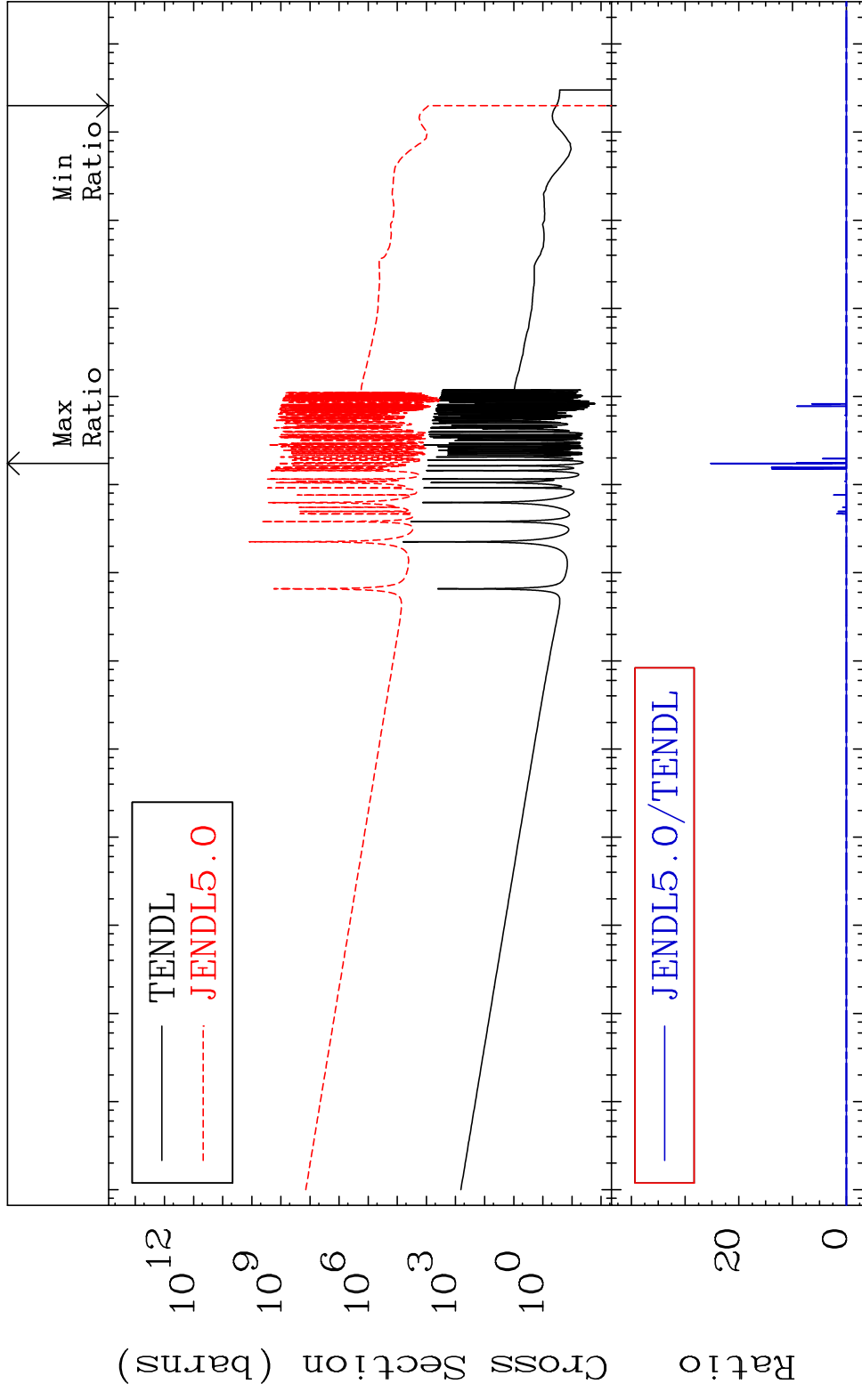


44 44-Ru-104

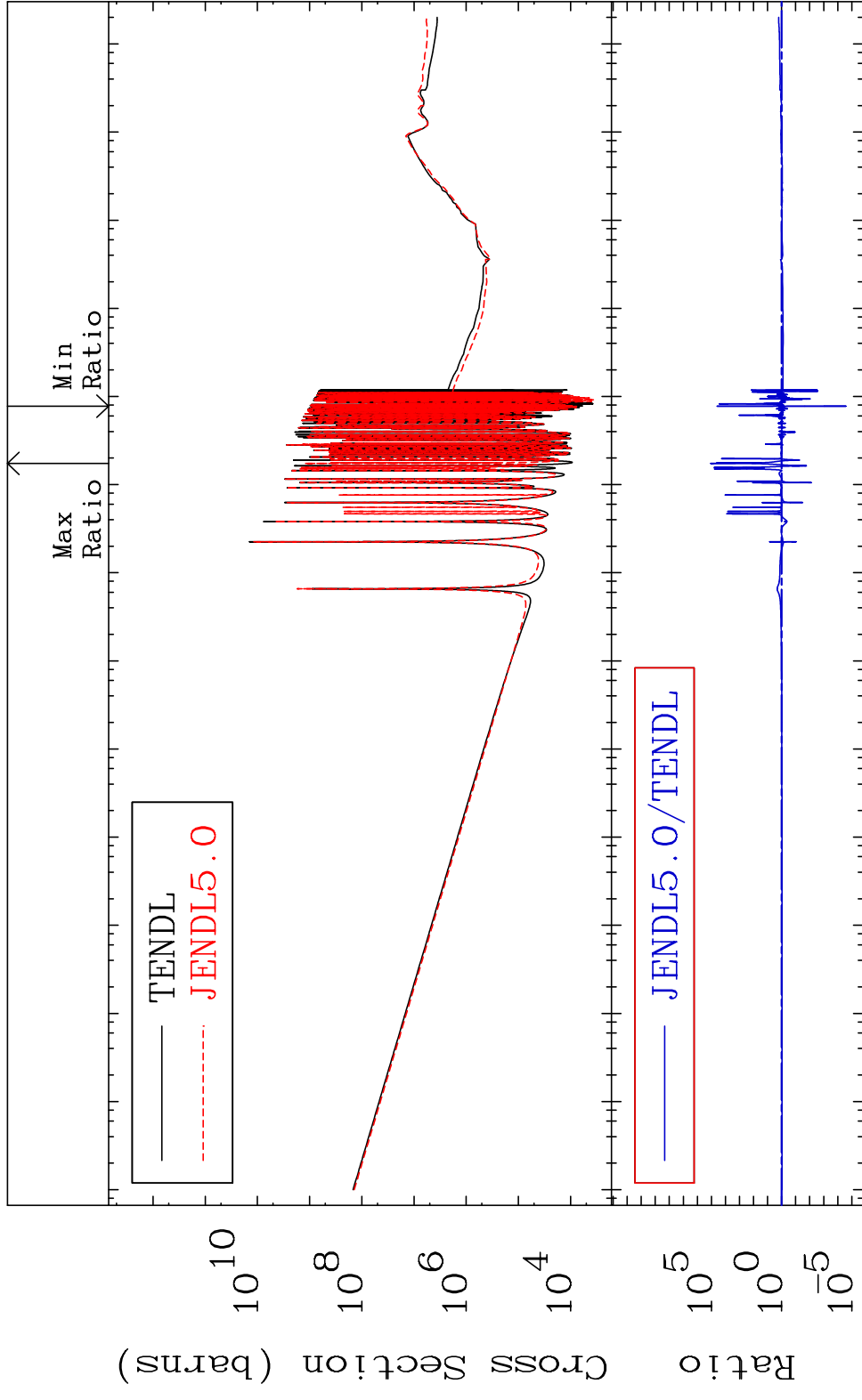
MAT 4449 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-104
 Cross Section -100.0 To 7607. %



MAT 4449 Kerma capture (mt102) 44-Ru-104
 Cross Section -100.0 To 9999. %



MAT 4449 Total photon (eV-barns) 44-Ru-104
 Cross Section -100.0 To 9999. %

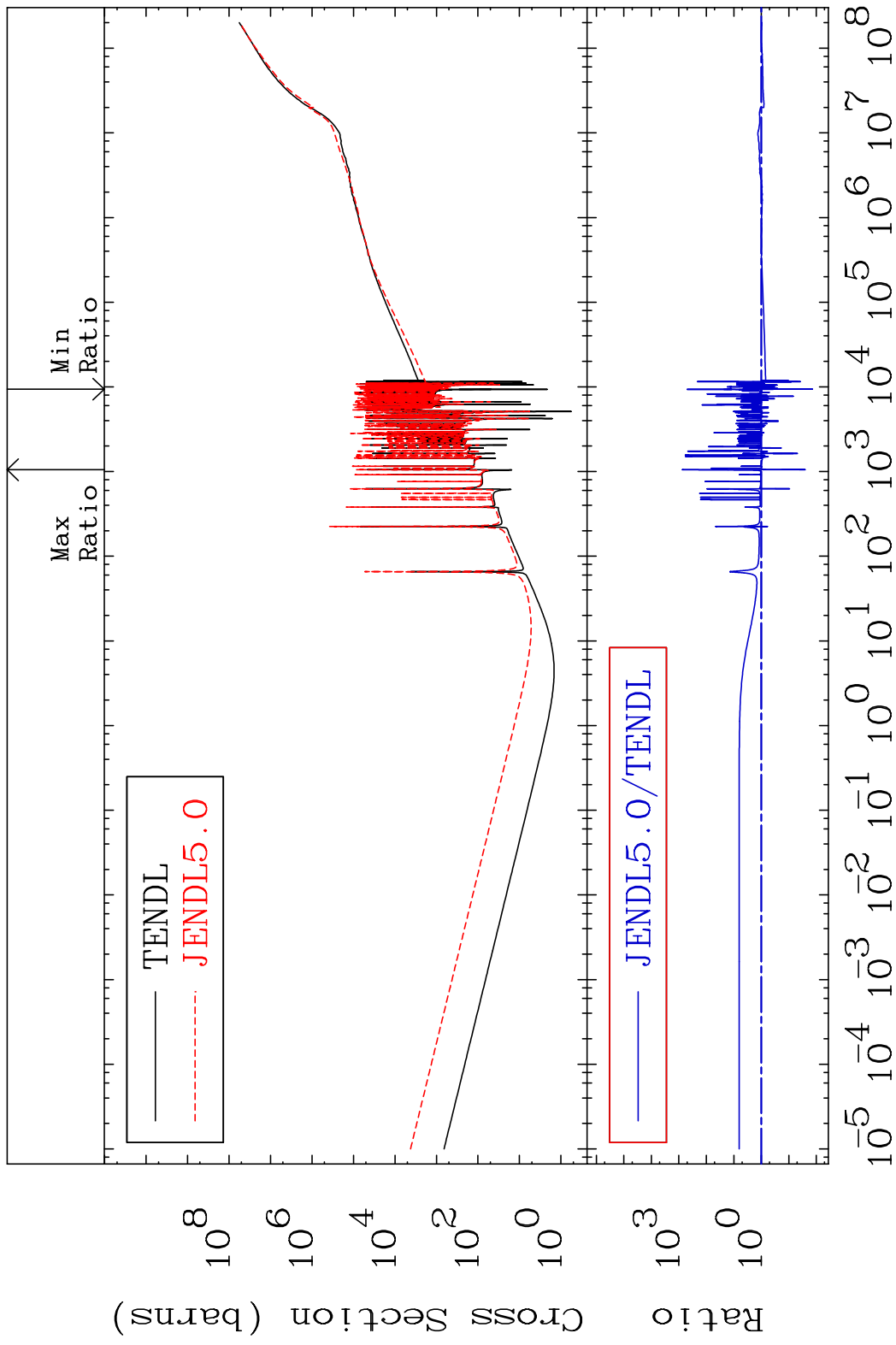


10¹⁰
 10⁸
 10⁶
 10⁴
 10⁵
 10⁰
 10⁻¹
 10⁻²
 10⁻³
 10⁻⁴
 10⁻⁵

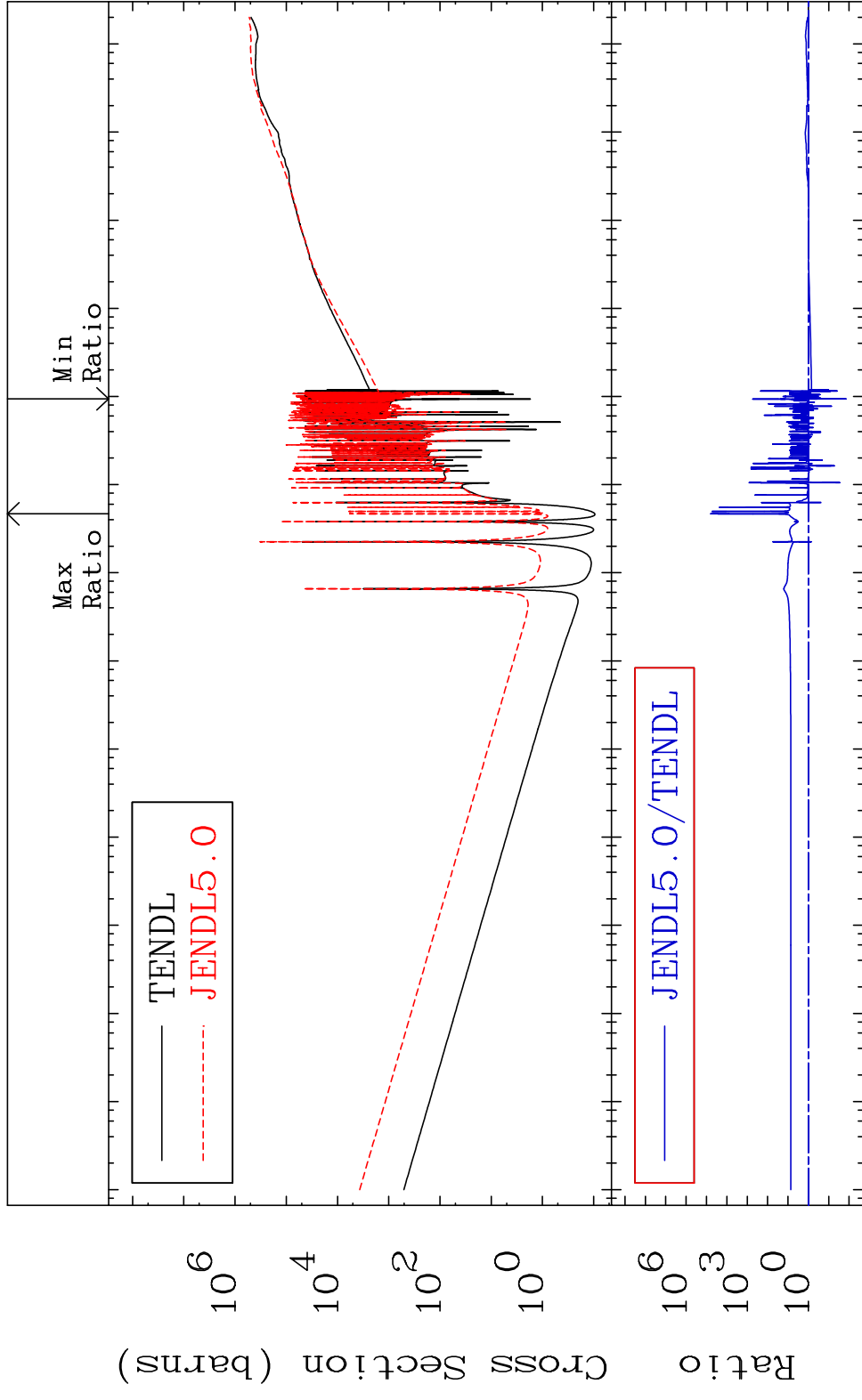
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

47 Incident Energy (eV) 44-Ru-104

MAT 4449 Total kinematic kerma (high limit) 44-Ru-104
 Cross Section -98.63 To 9999. %



MAT 4449 Dpa total (eV-barns) 44-Ru-104
 Cross Section -98.63 To 9999. %

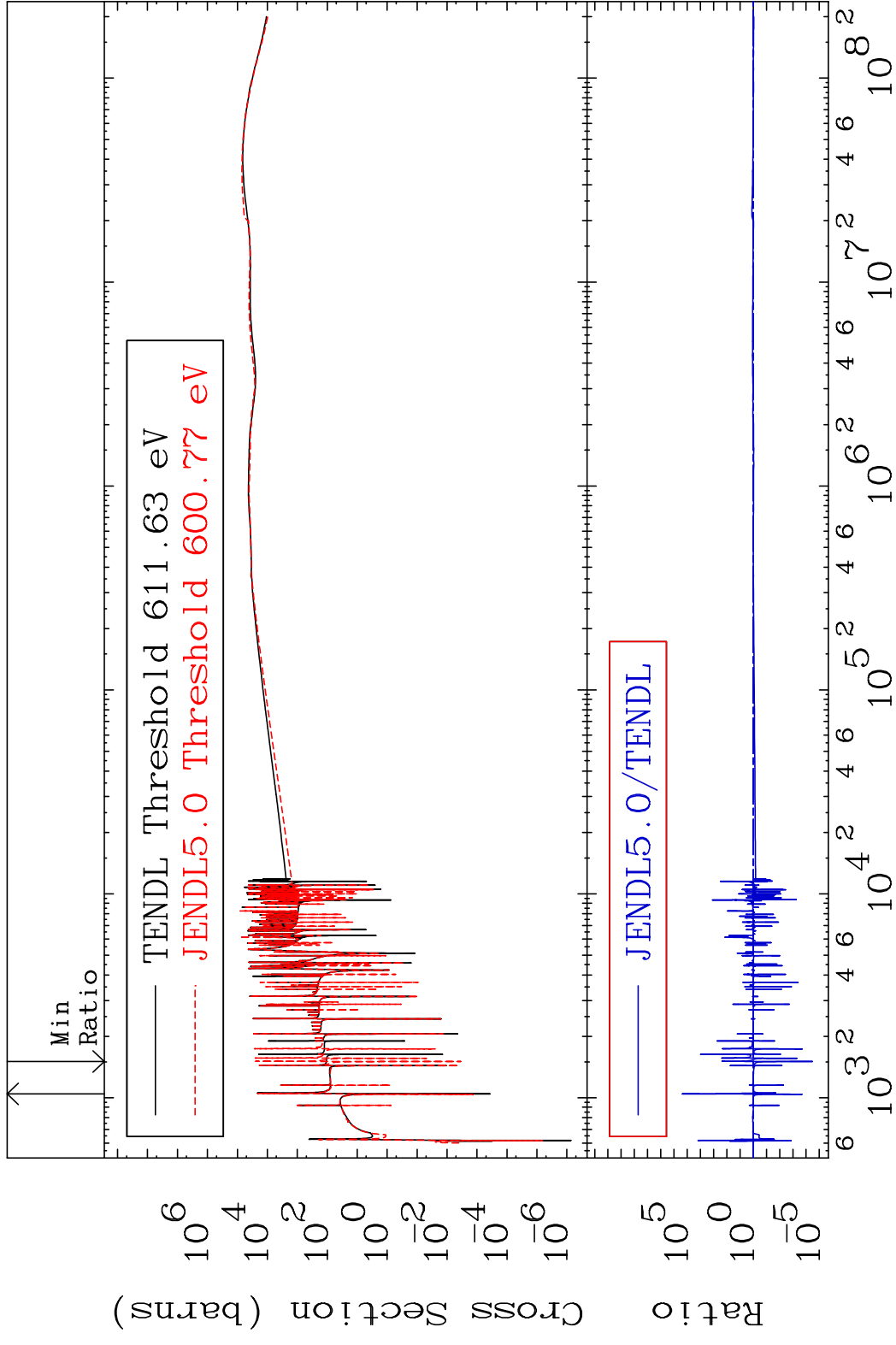


MAT 4449

Dpa elastic (mt2)

44-Ru-104

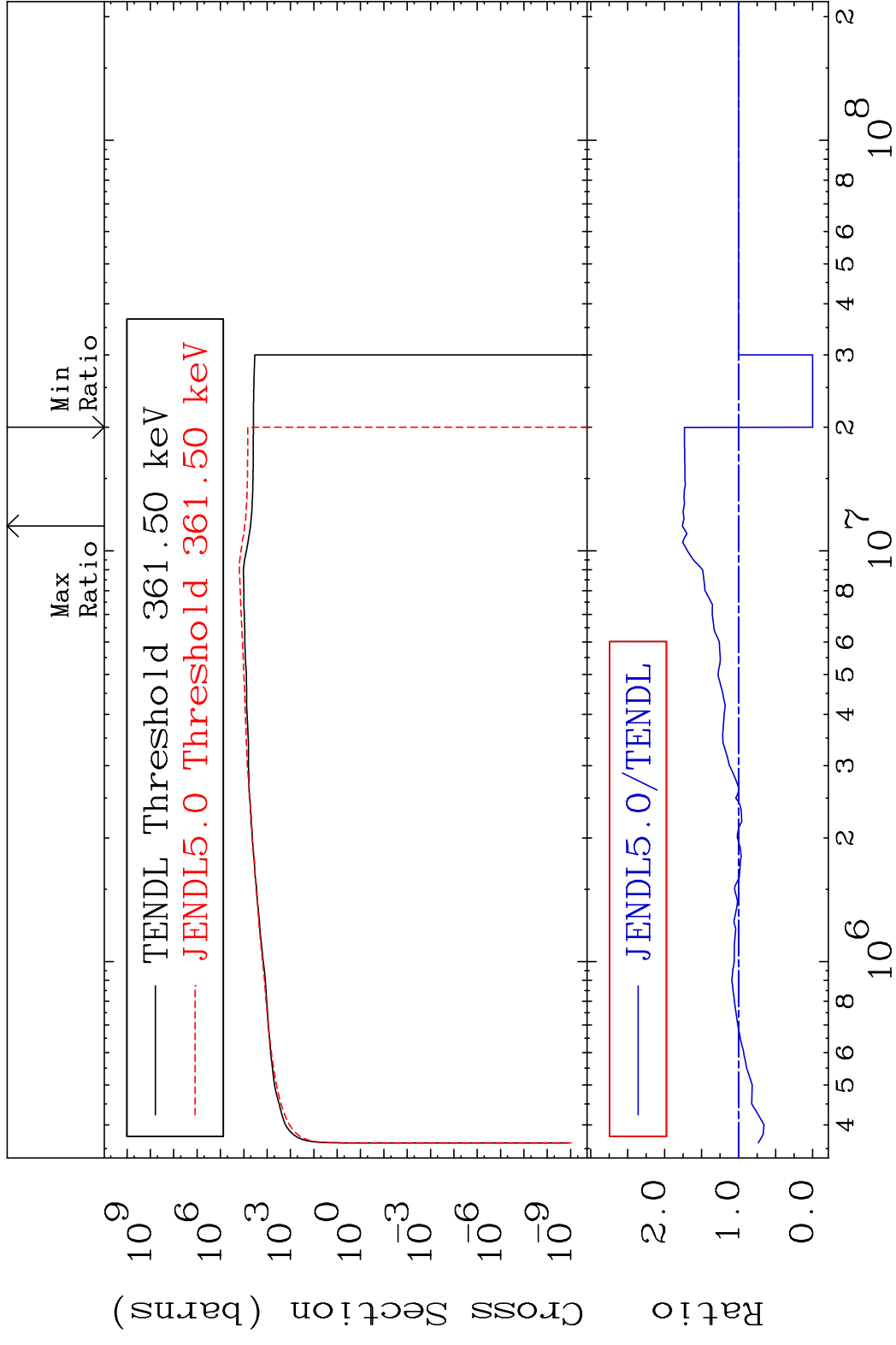
Cross Section -100.0 To 9999. %



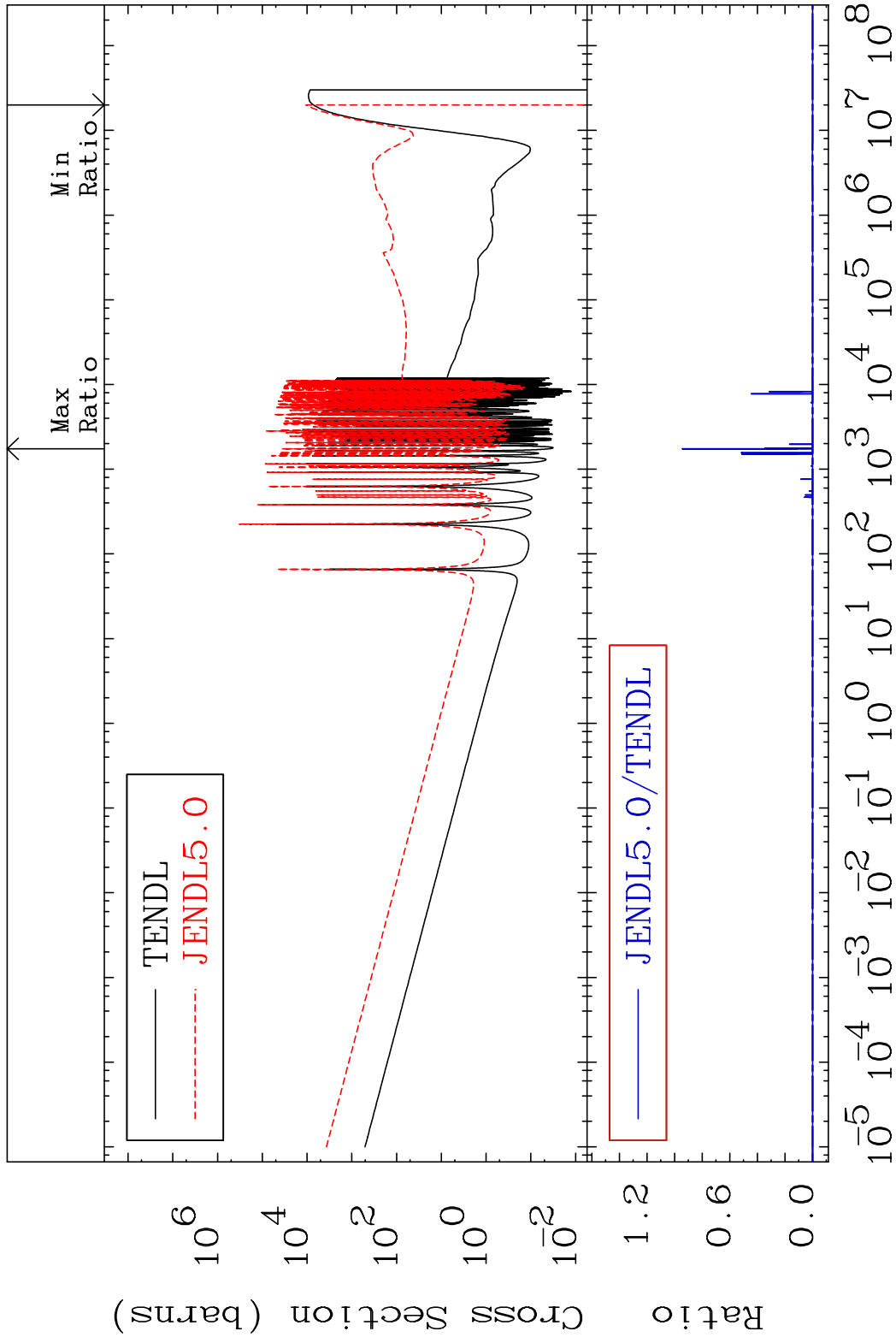
50

Incident Energy (eV)

44-Ru-104



MAT 4449 Dpa disappearance (mt102 -120) 44-Ru-104
 Cross Section -100.0 To 9999. %



MAT 4449 (n, n') d:43-Tc-102g 44-Ru-104
 Radionuclide Production Cross Section 180.0 dth 122.8 %

