

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

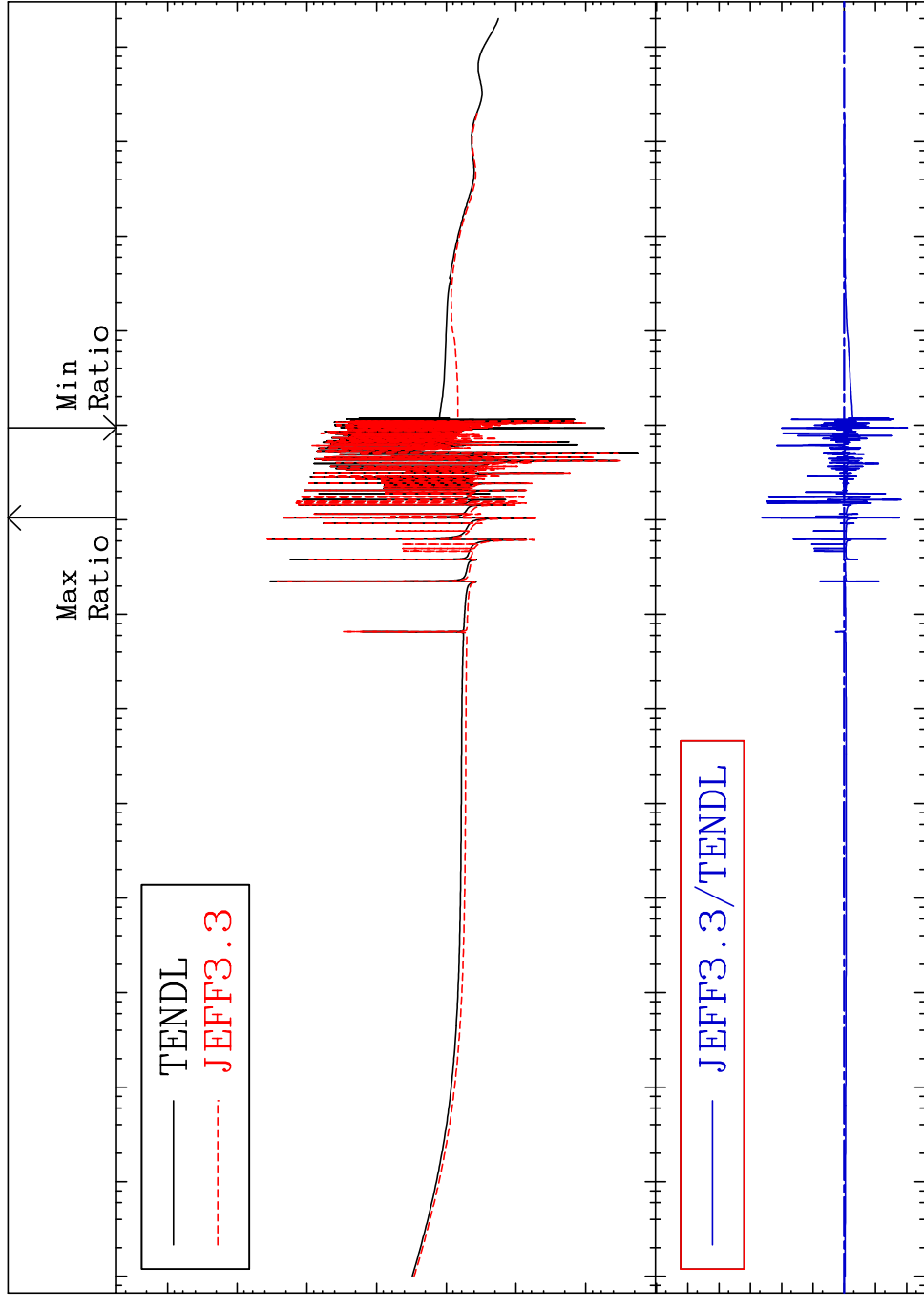
MAT 4449

Total

44-Ru-104

Cross Section

-99.03 To 9999. %



10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
Cross Section (barns)

10³
10⁰
Ratio

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

1

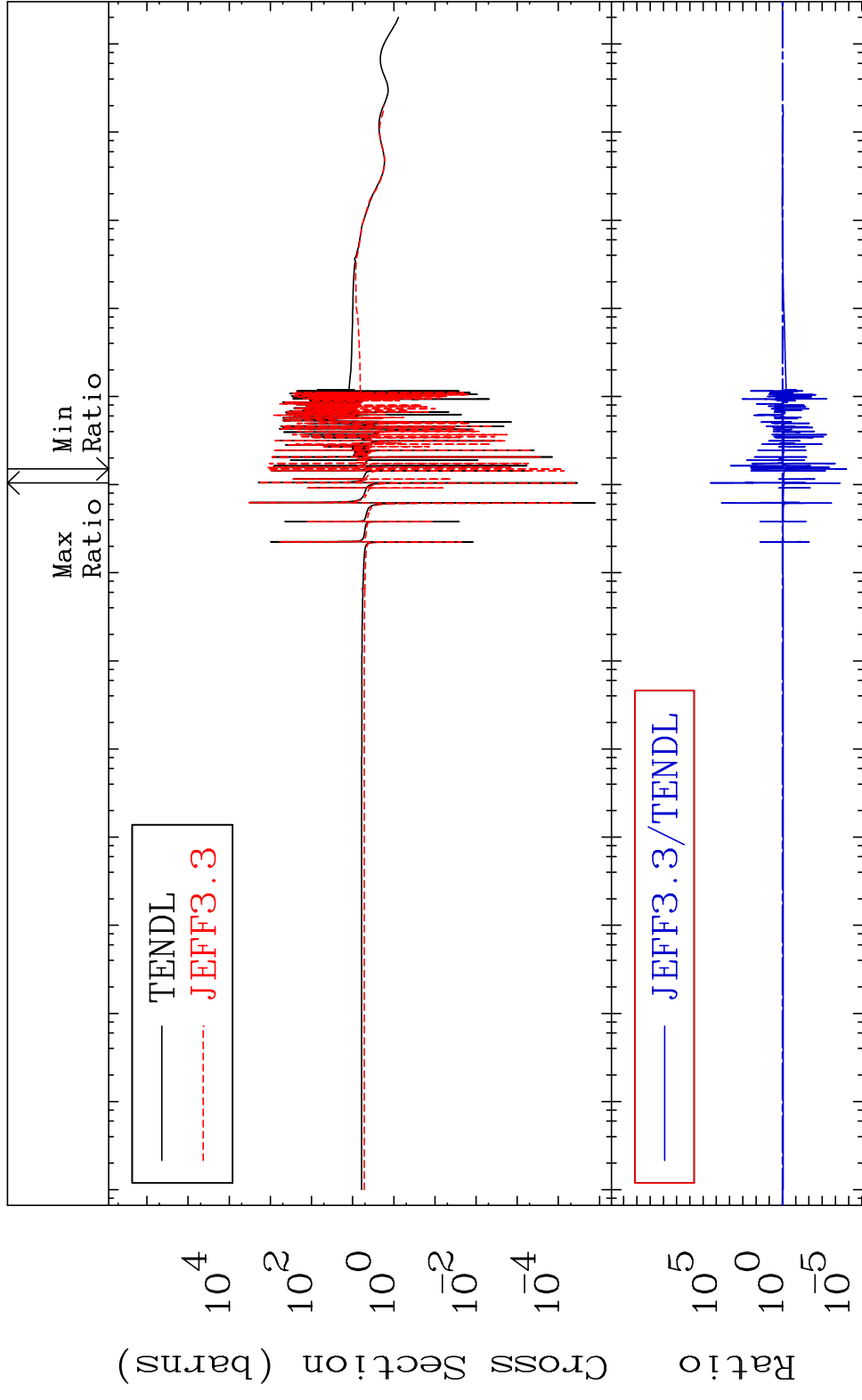
44-Ru-104

MAT 4449

Elastic

44-Ru-104

Cross Section -100.0 To 9999. %

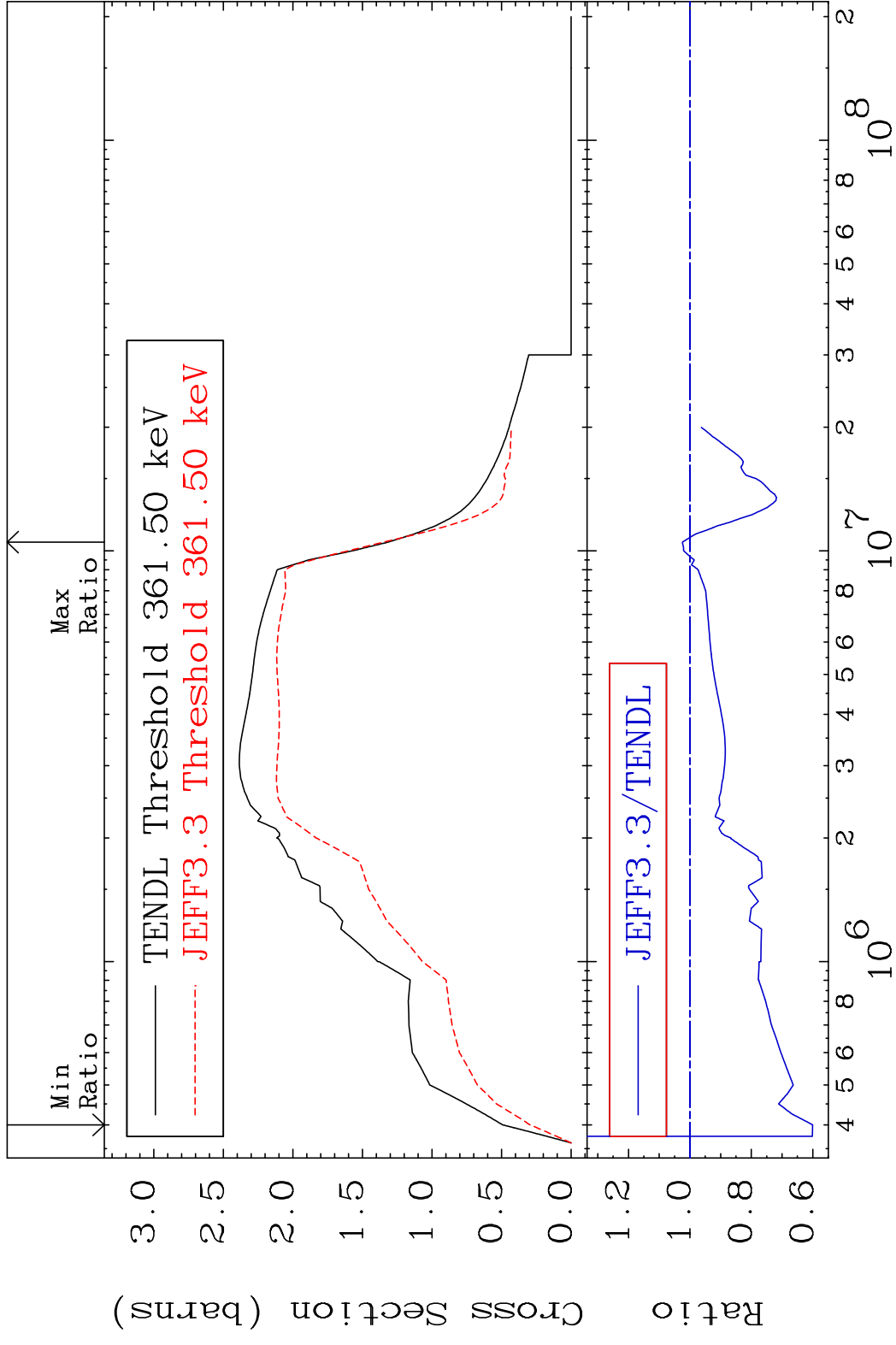


2

Incident Energy (eV)

44-Ru-104

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

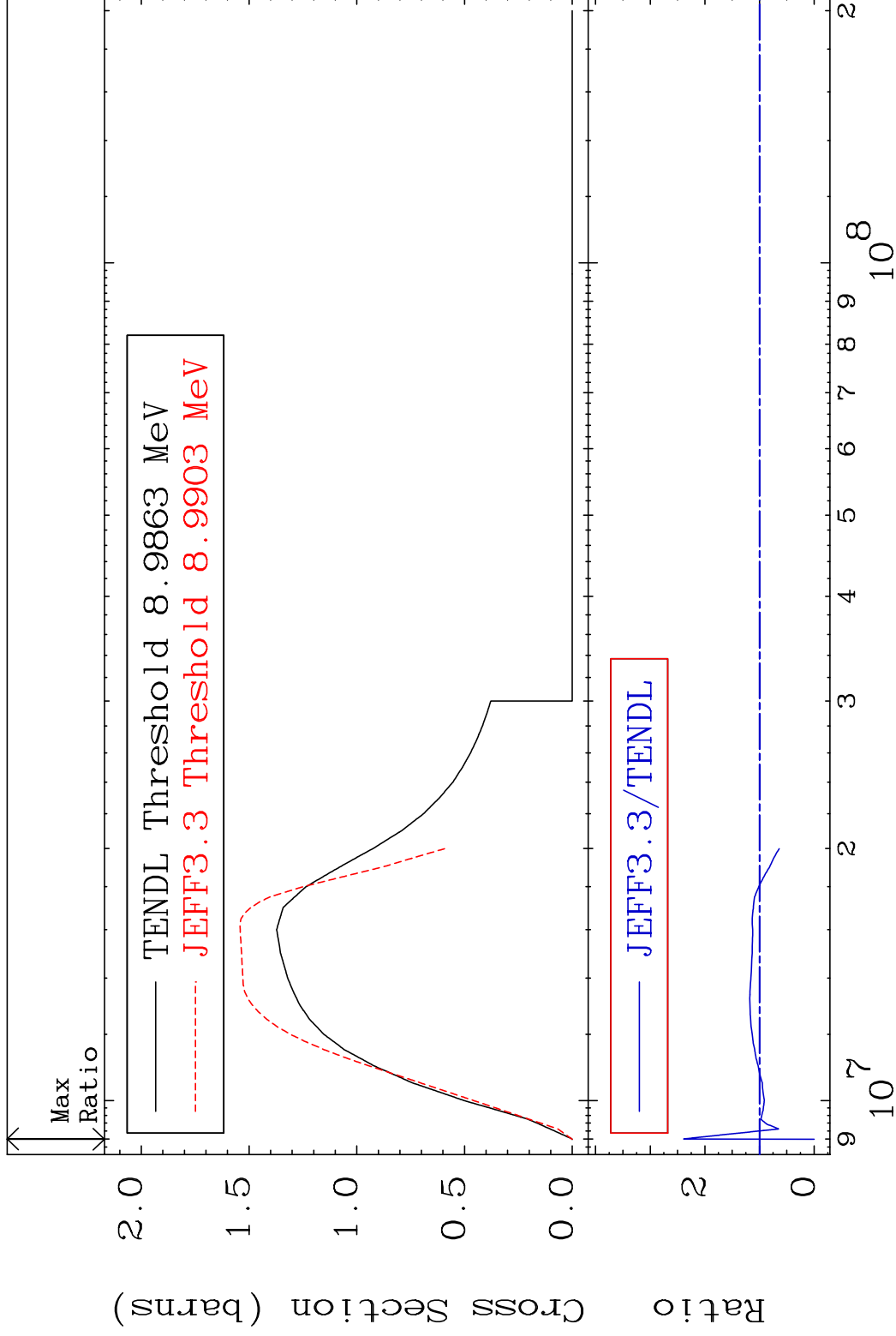


MAT 4449

(n,2n)

44-Ru-104

Cross Section -100.0 To 138.8 %



4

Incident Energy (eV)

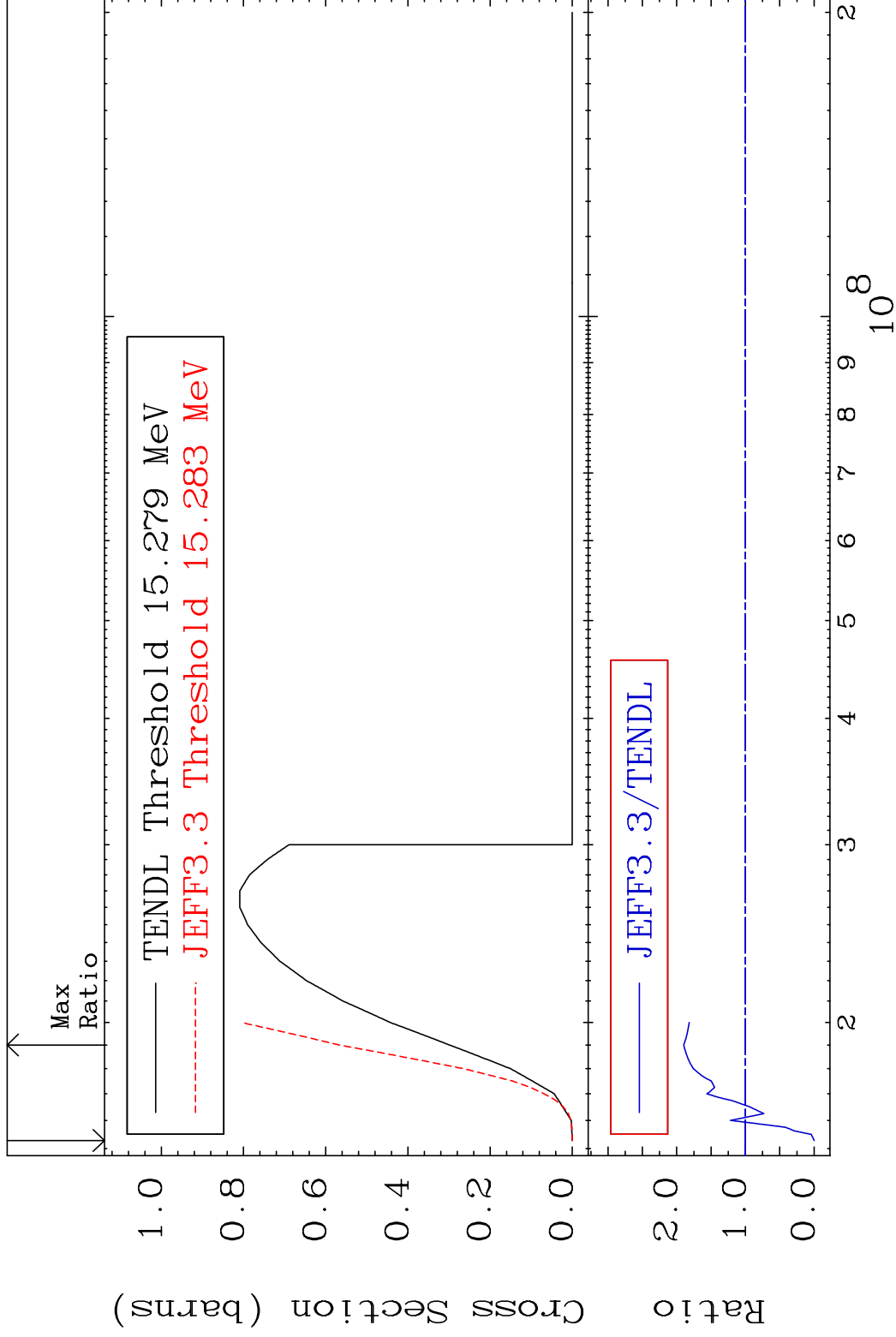
44-Ru-104

MAT 4449

(n,3n)

44-Ru-104

Cross Section -100.0 To 89.88 %



5

Incident Energy (eV)

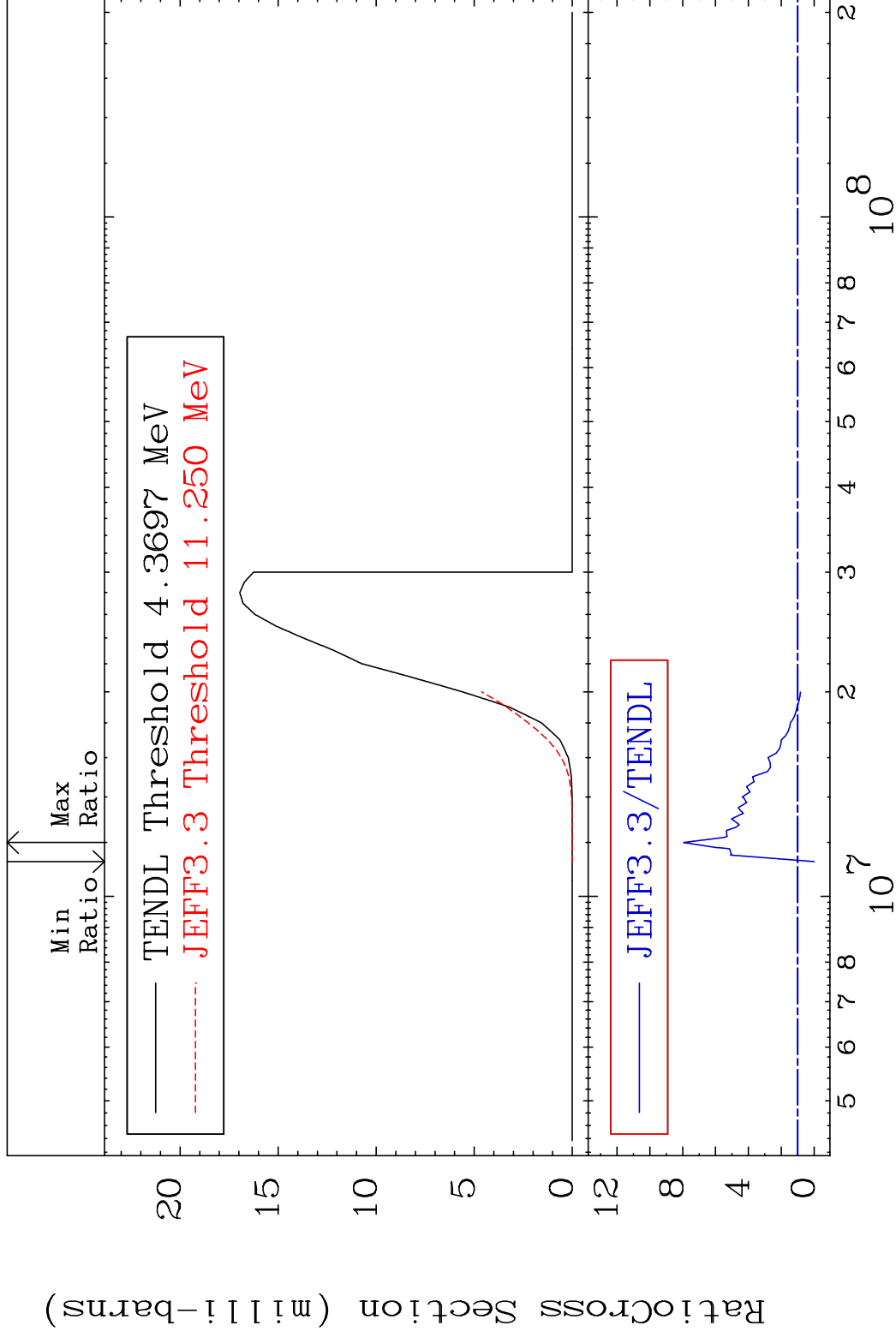
44-Ru-104

MAT 4449

(n, n') α

44-Ru-104

Cross Section -100.0 To 694.3 %



6

Incident Energy (eV)

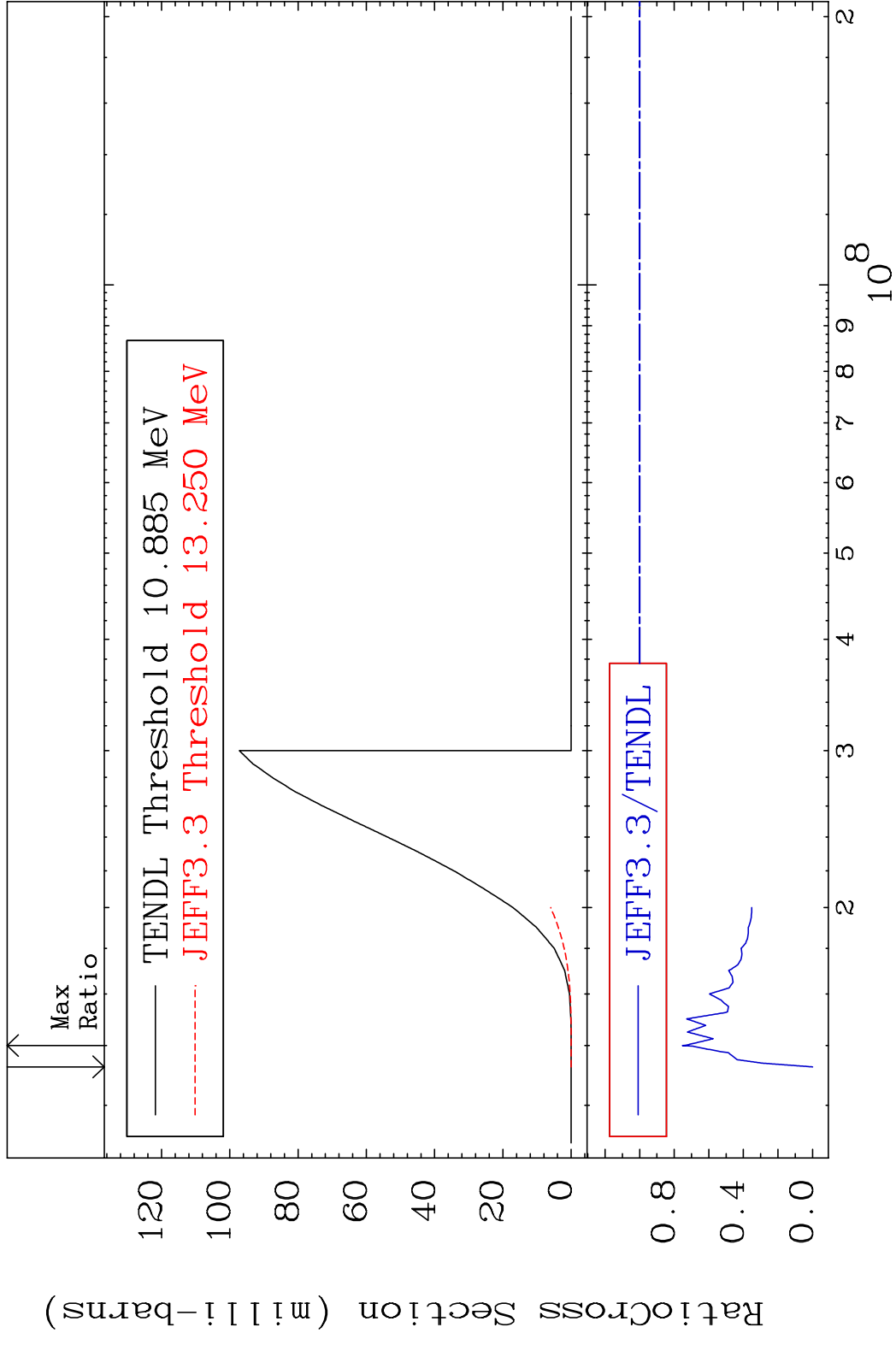
44-Ru-104

MAT 4449

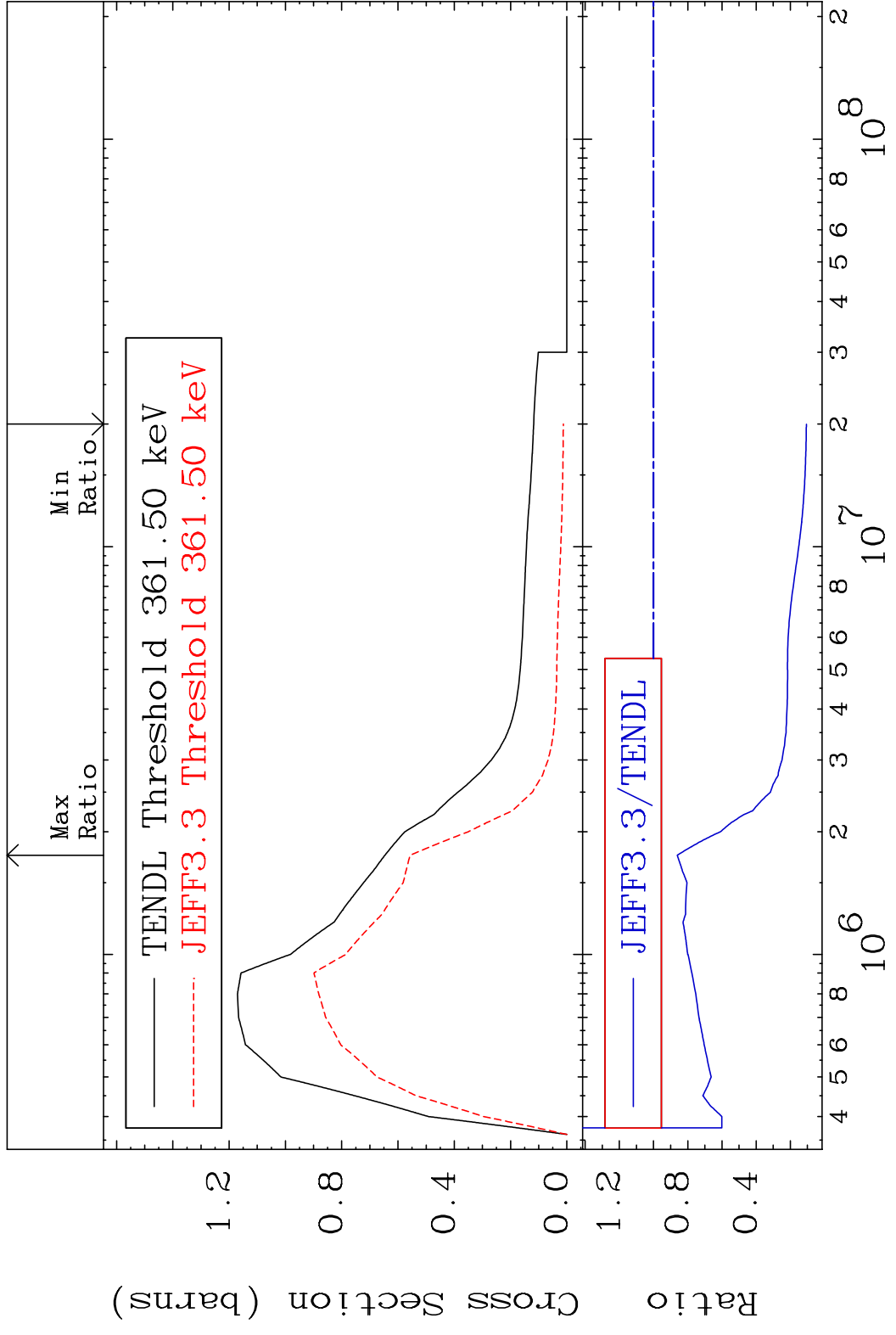
(n, n') p

44-Ru-104

Cross Section -100.0 To -24.70%

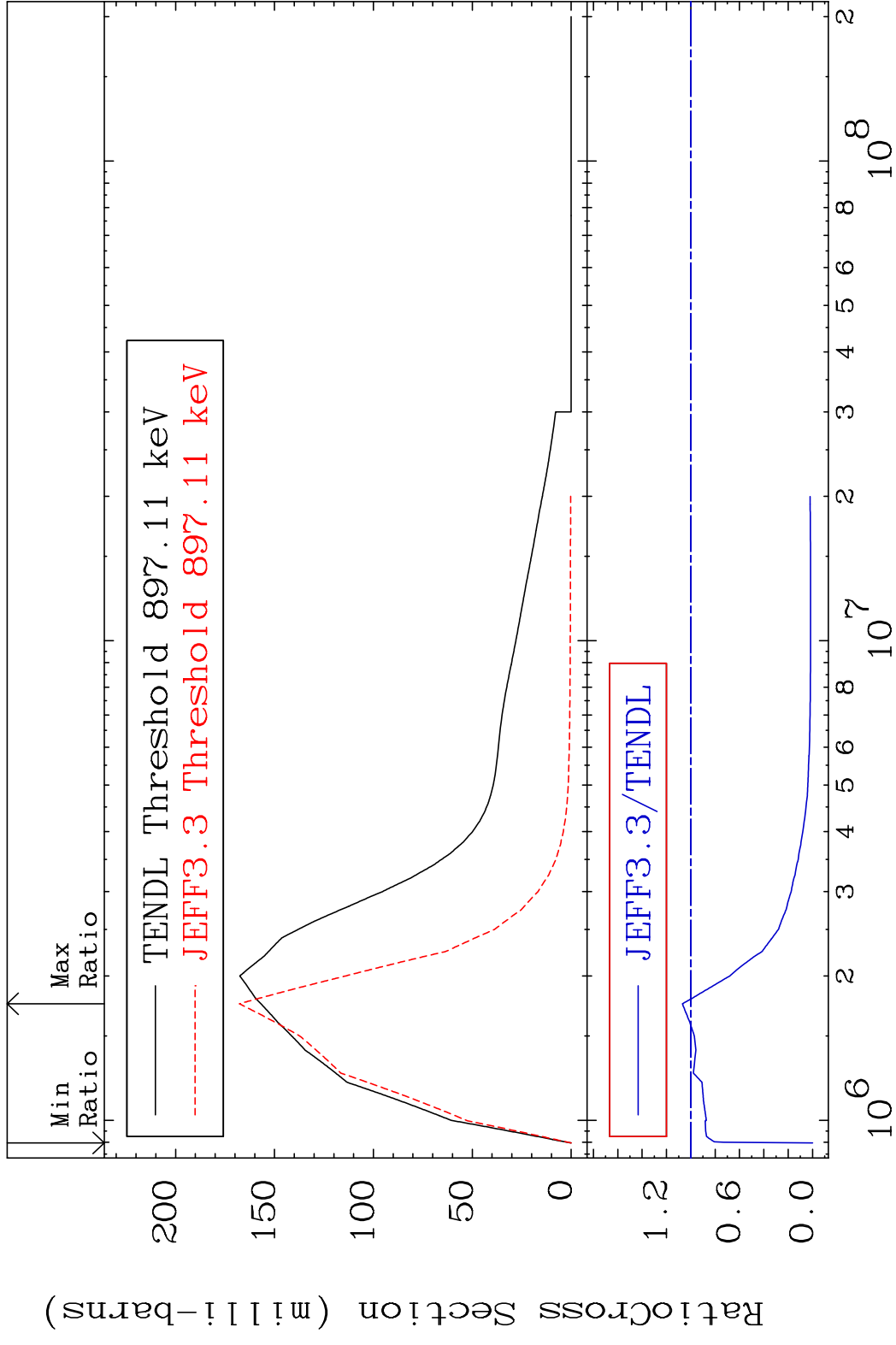


MAT 4449 MT= 51 (n, n') Level 44-Ru-104
 Cross Section -89.39 To -13.82%



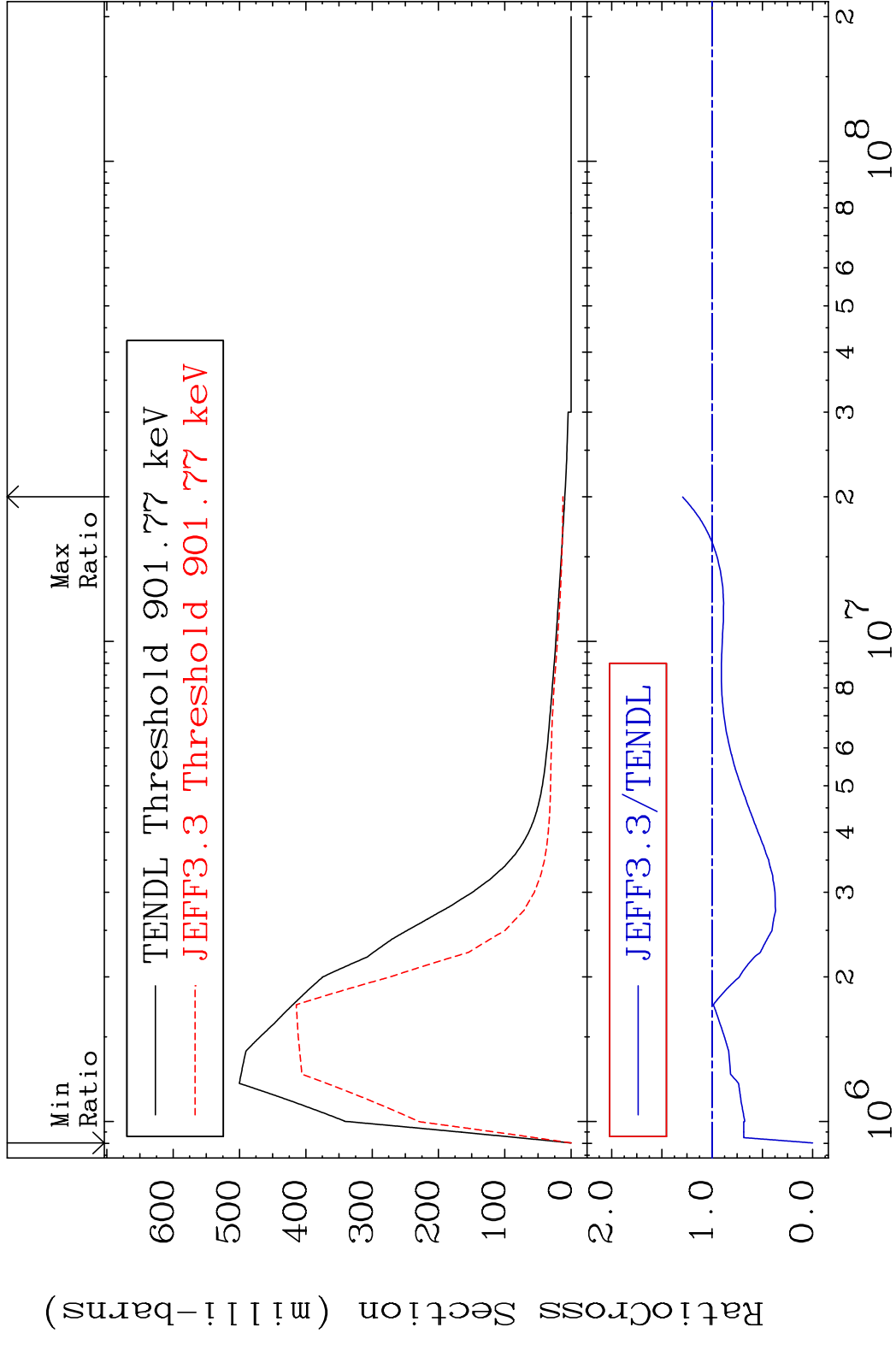
8 Incident Energy (eV) 44-Ru-104

MAT 4449 MT= 52 (n,n') Level 44-Ru-104
 Cross Section -100.0 To 6.949 %

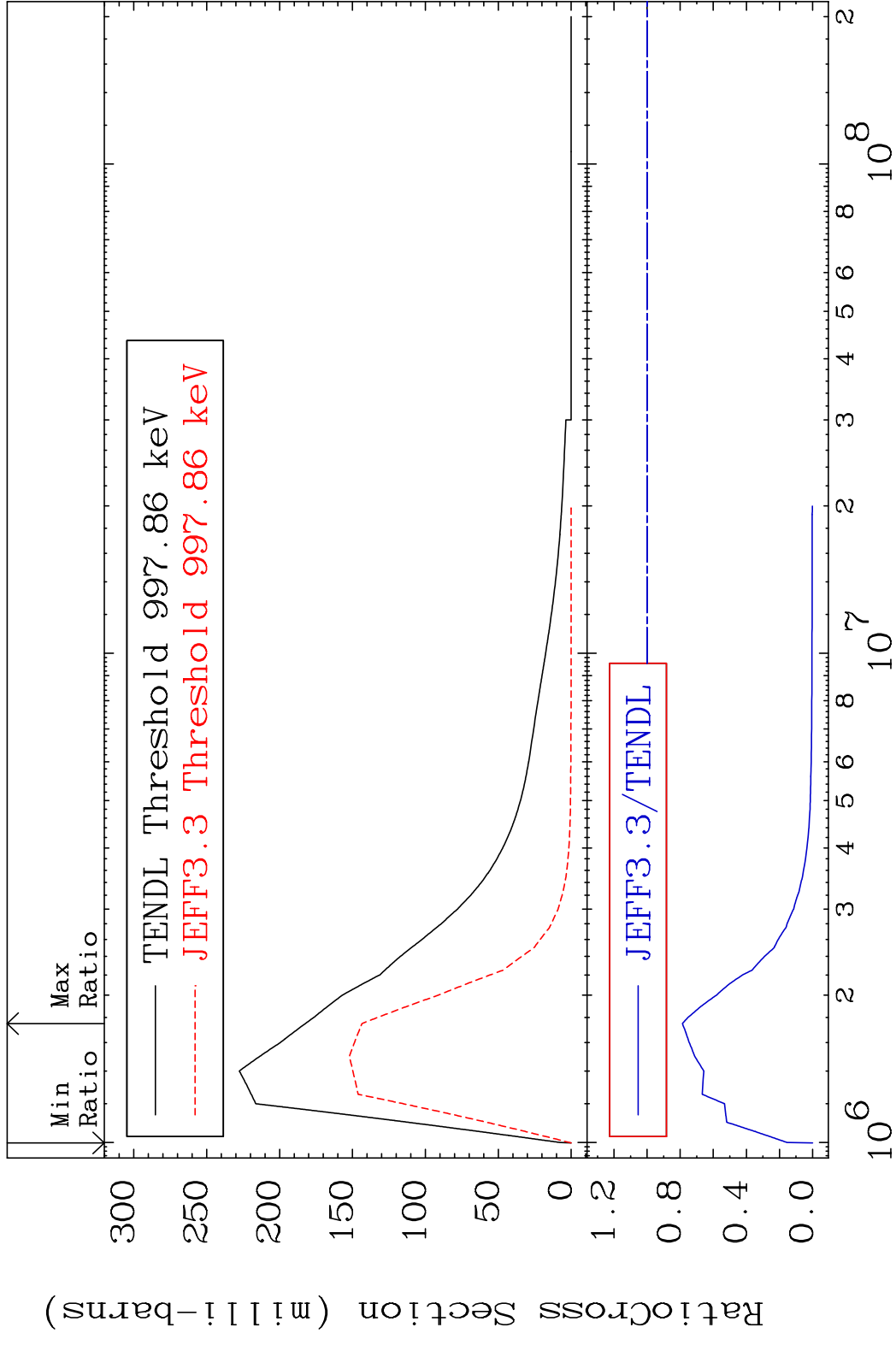


9 Incident Energy (eV) 44-Ru-104

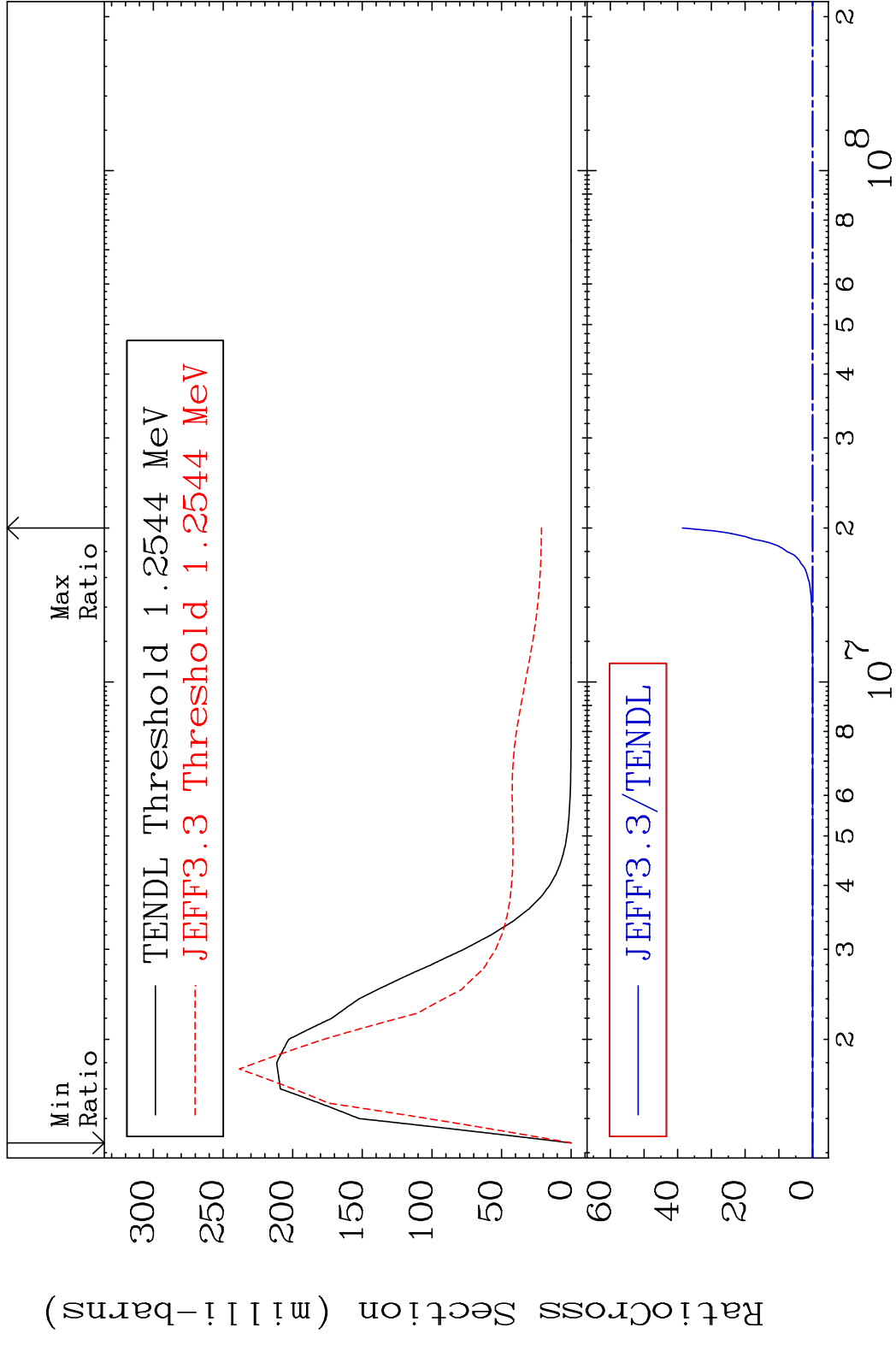
MAT 4449 MT= 53 (n, n') Level 44-Ru-104
 Cross Section -100.0 To 29.59 %



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. %

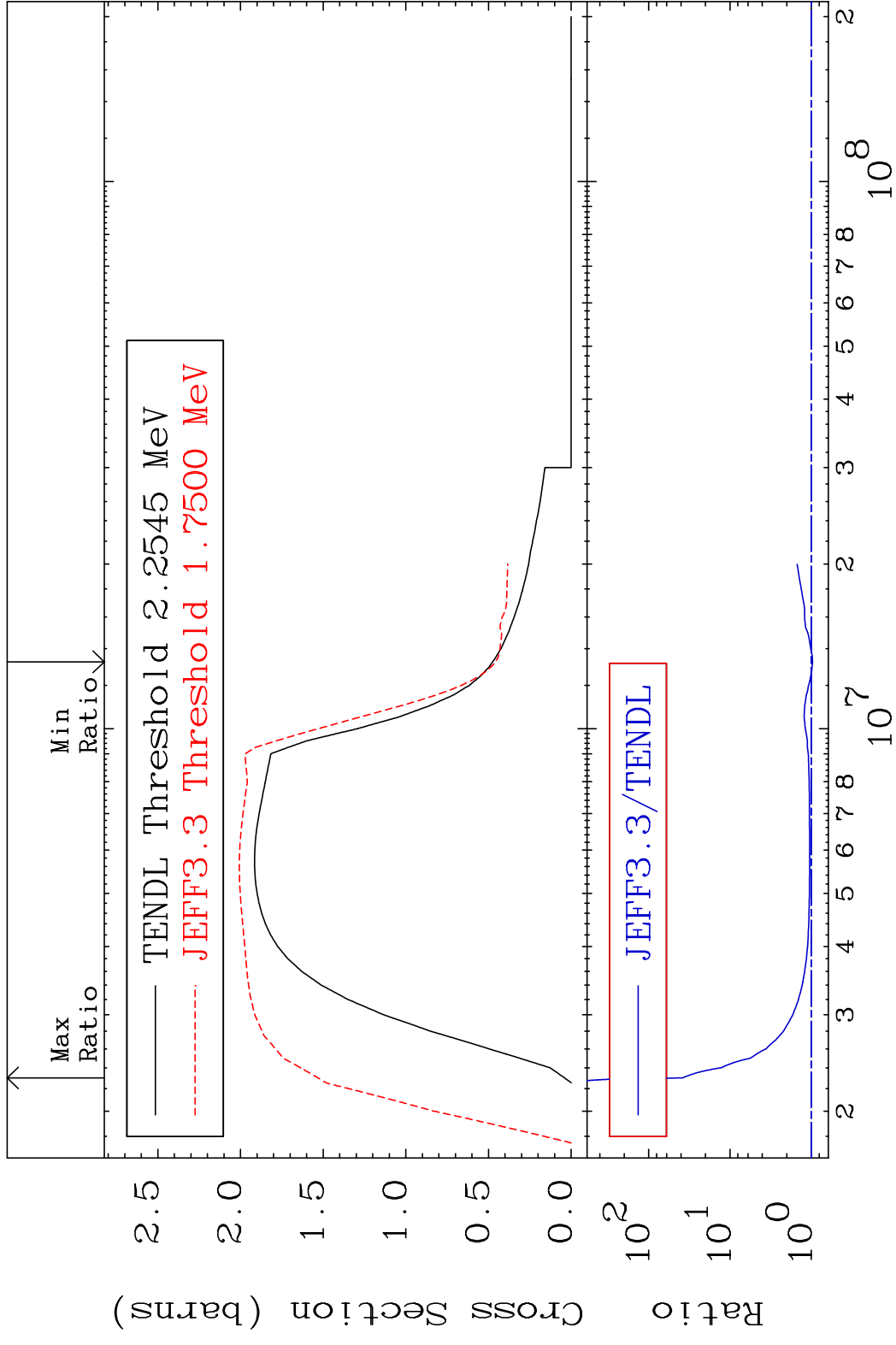


MAT 4449

(n,n') Continuum

44-Ru-104

Cross Section -3.678 To 3752. %

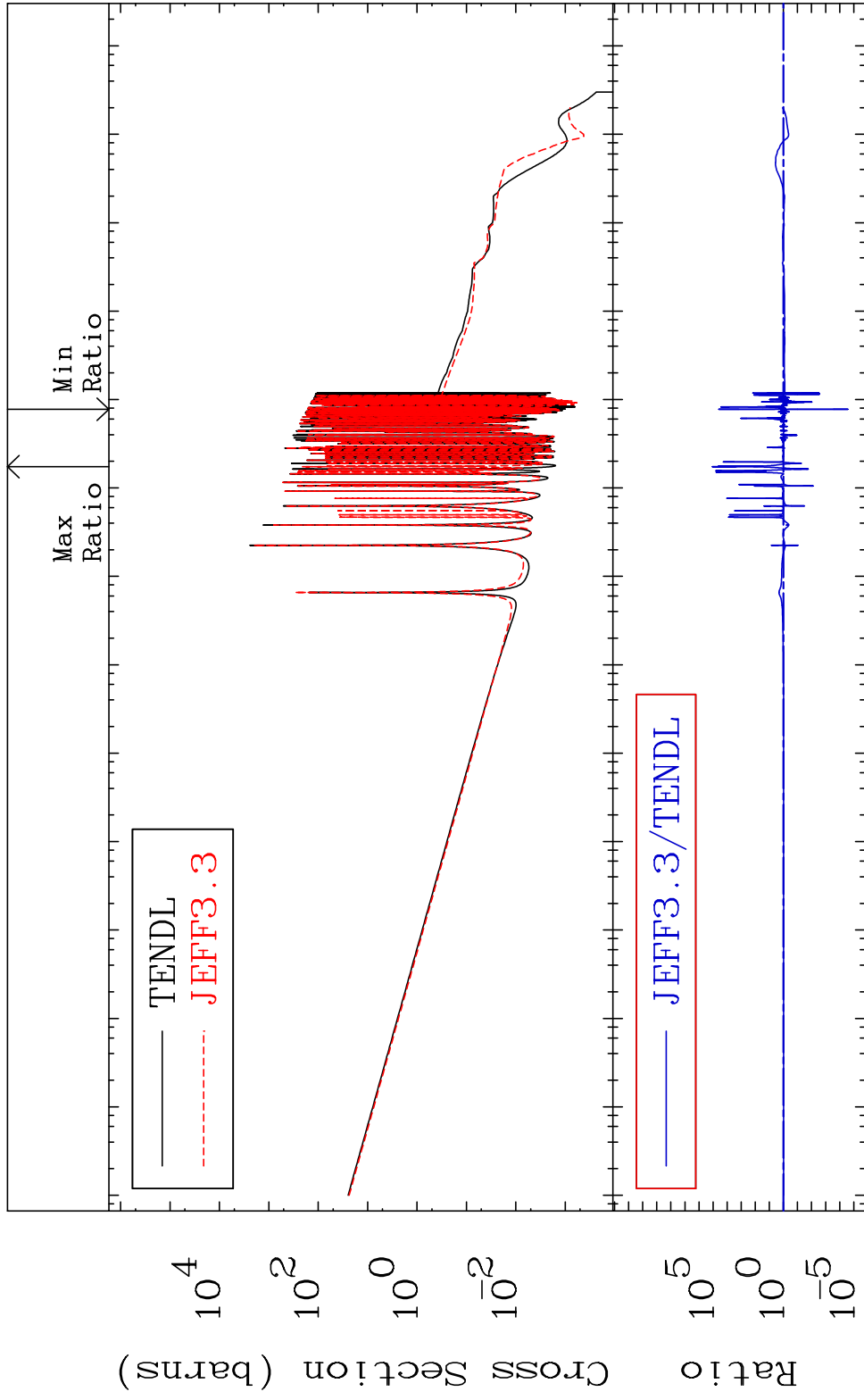


MAT 4449

(n, γ)

44-Ru-104

Cross Section -100.0 To 9999. %

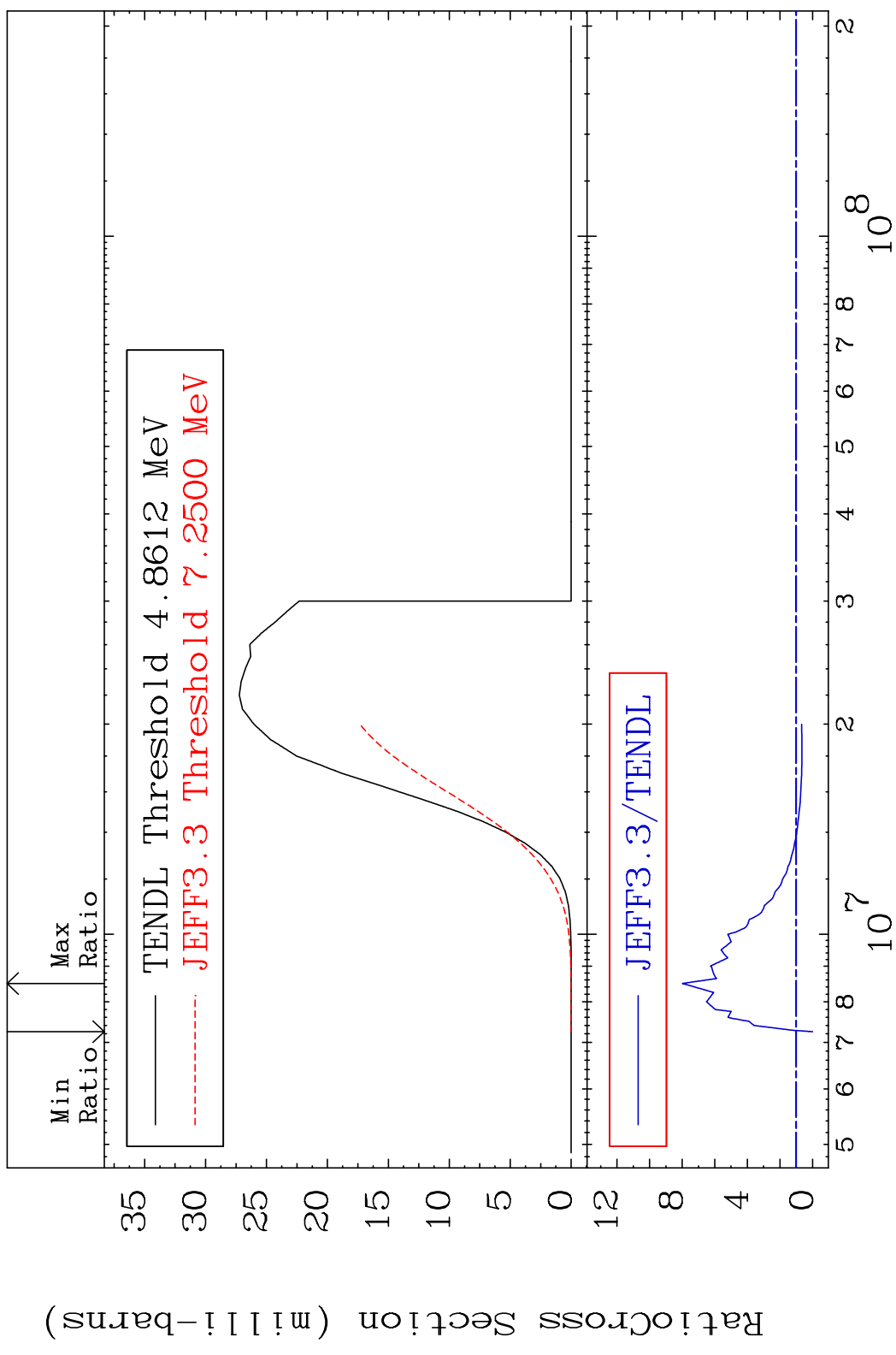


MAT 4449

(n, p)

44-Ru-104

Cross Section -100.0 To 698.9 %

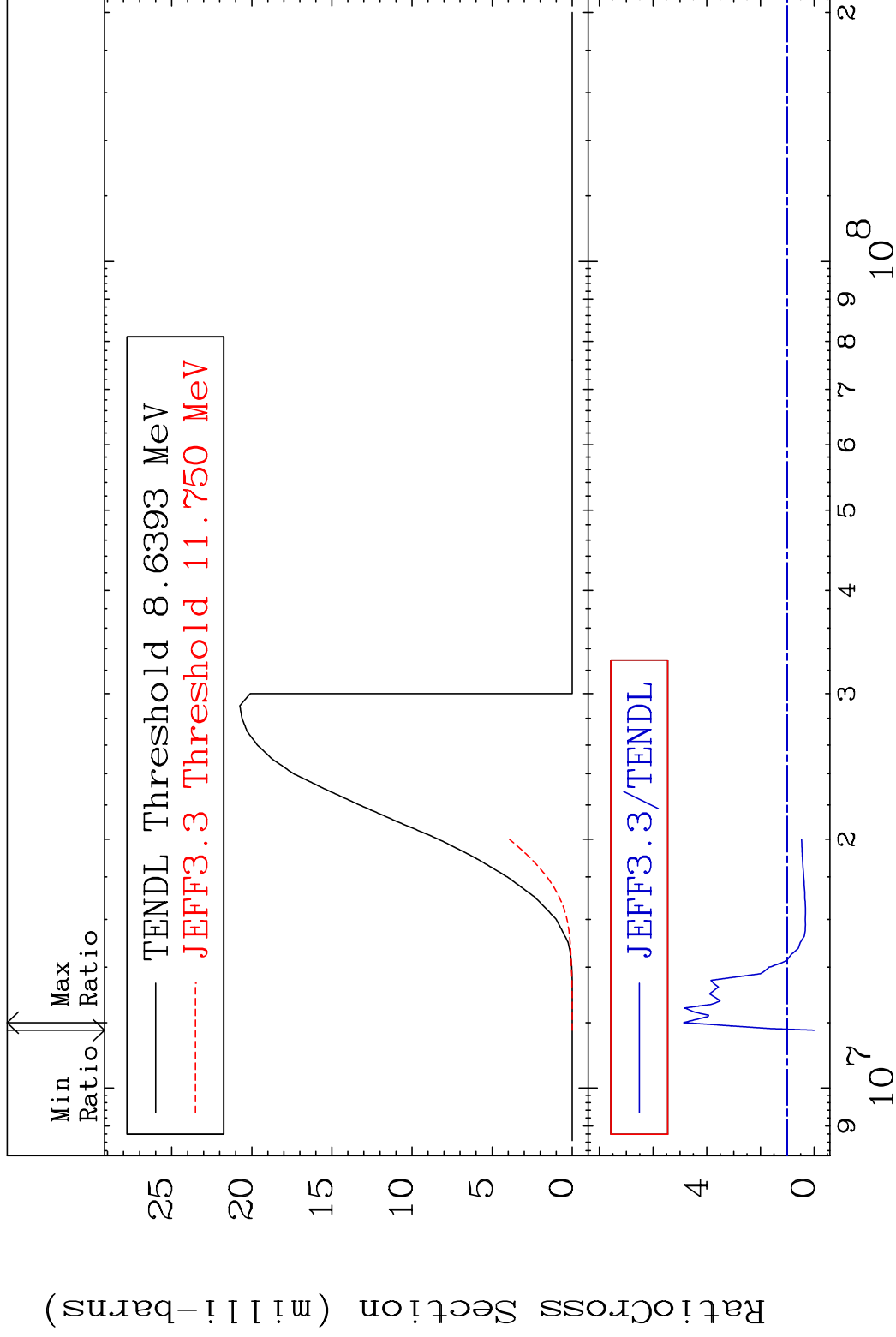


MAT 4449

(n, d)

44-Ru-104

Cross Section -100.0 To 386.2 %



16

Incident Energy (eV)

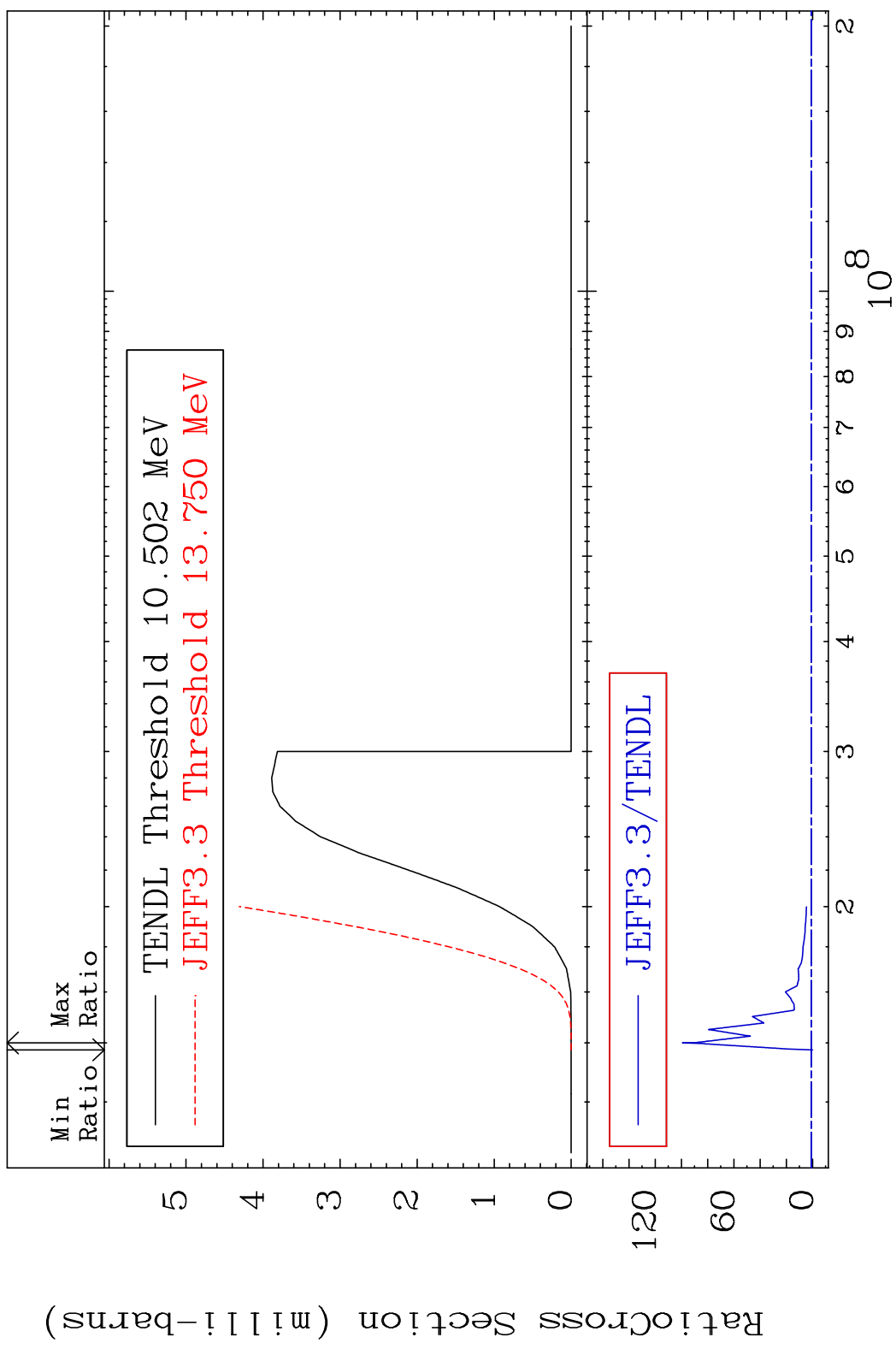
44-Ru-104

MAT 4449

(n, t)

44-Ru-104

Cross Section -100.0 To 9828. %

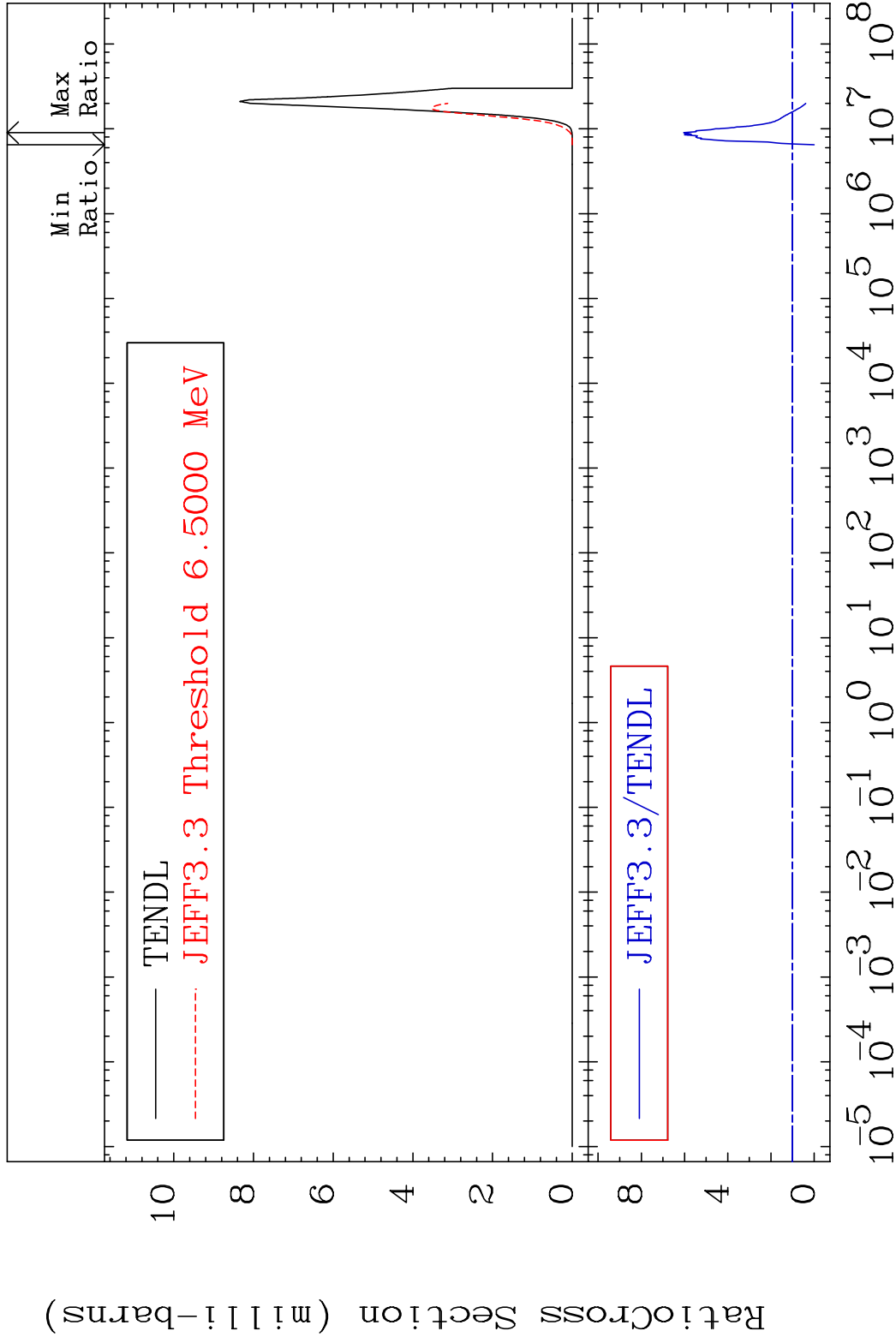


MAT 4449

(n, α)

44-Ru-104

Cross Section -100.0 To 504.0 %



18

Incident Energy (eV)

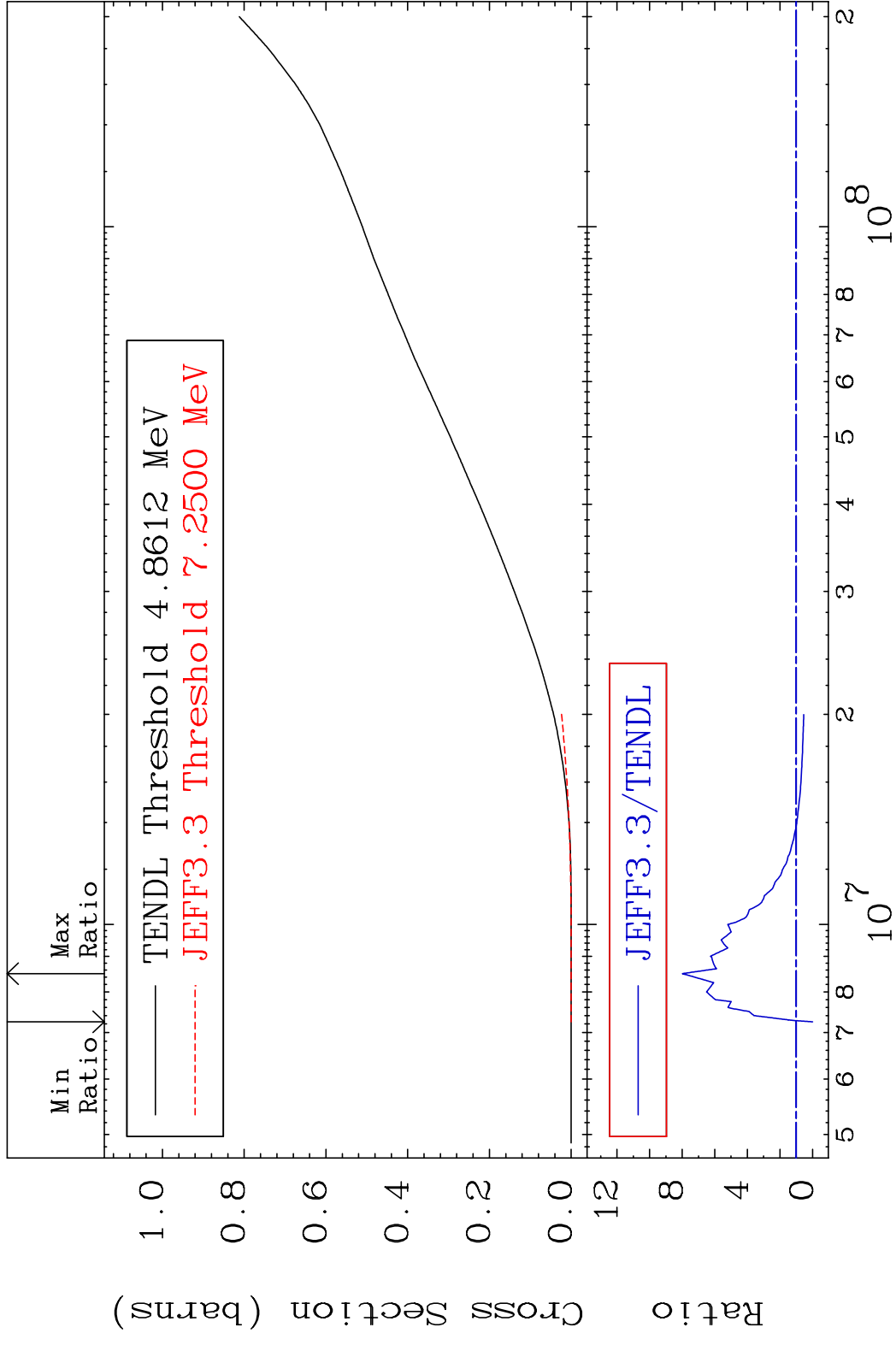
44-Ru-104

MAT 4449

Hydrogen Production

44-Ru-104

Cross Section -100.0 To 698.9 %

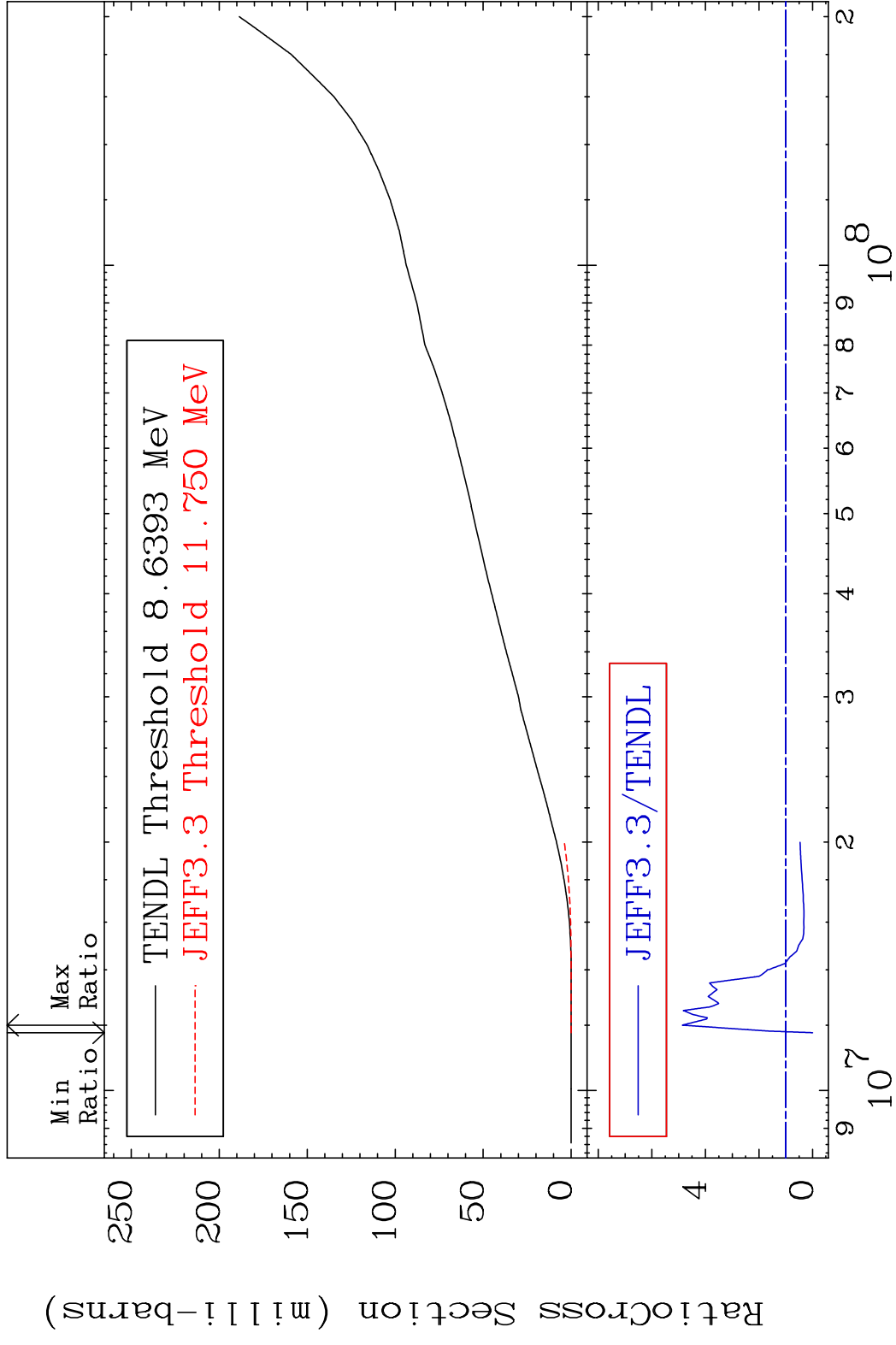


MAT 4449

Deuterium Production

44-Ru-104

Cross Section -100.0 To 386.2 %

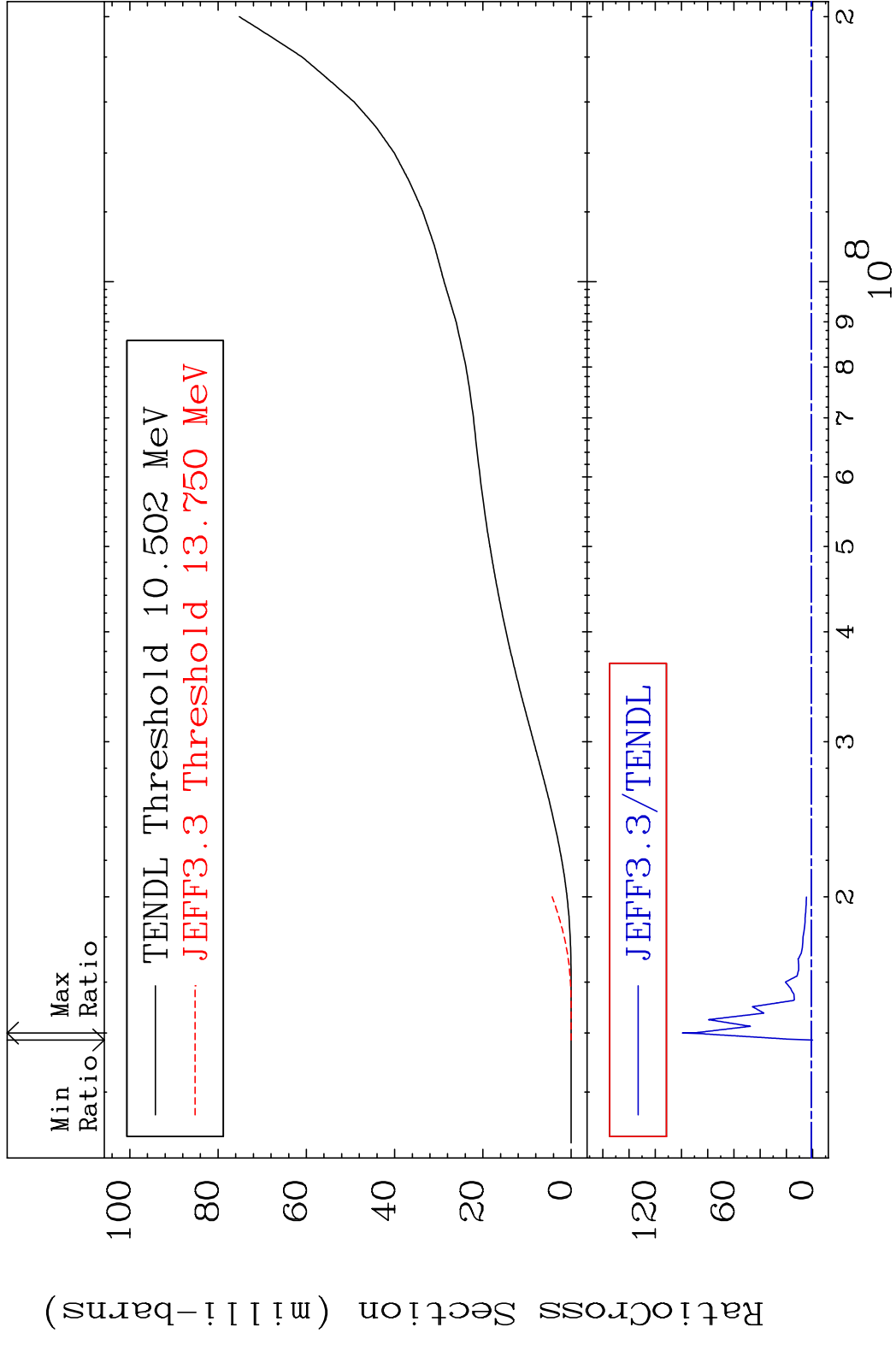


20

Incident Energy (eV)

44-Ru-104

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

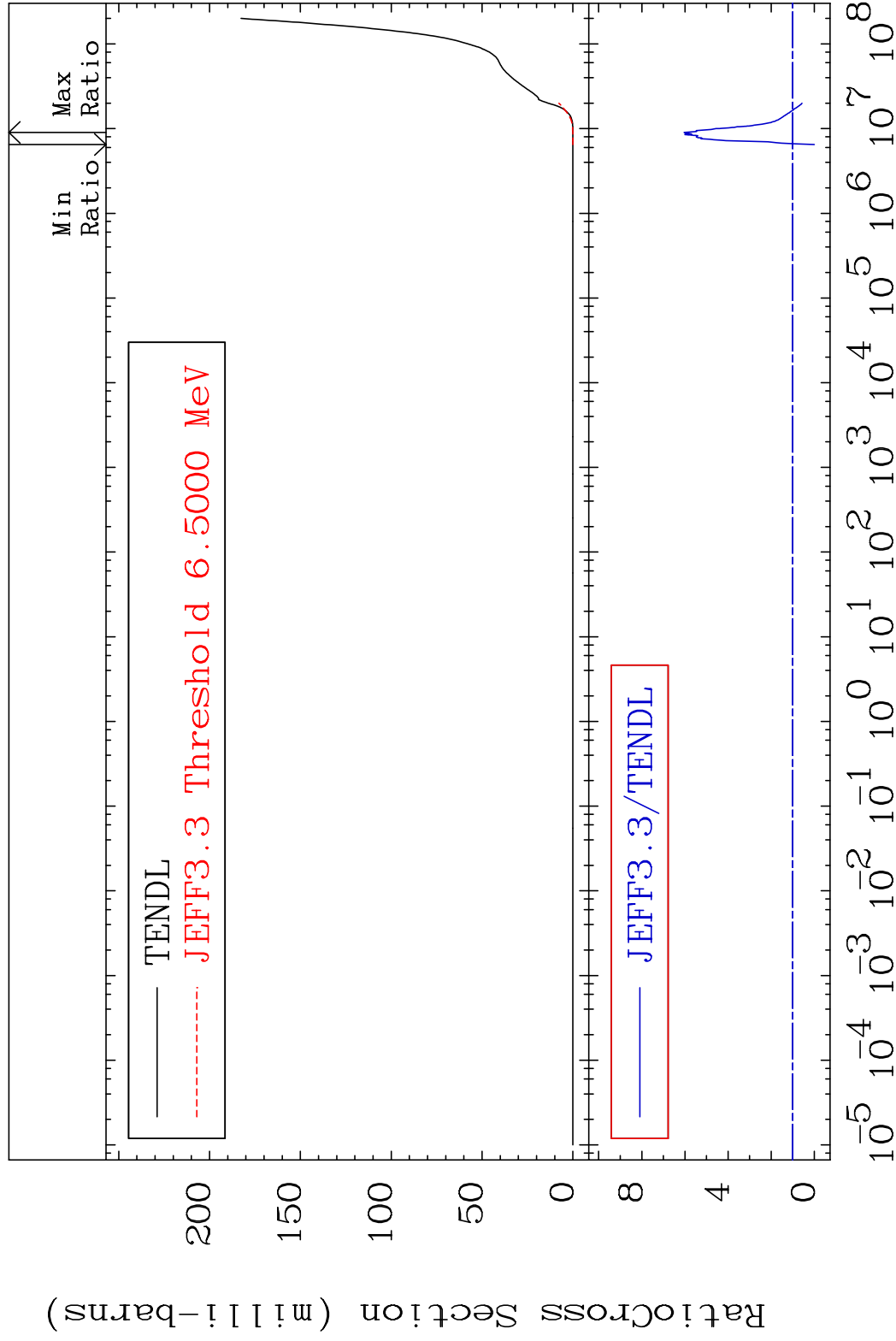


MAT 4449

He-4 Production

44-Ru-104

Cross Section -100.0 To 504.0 %

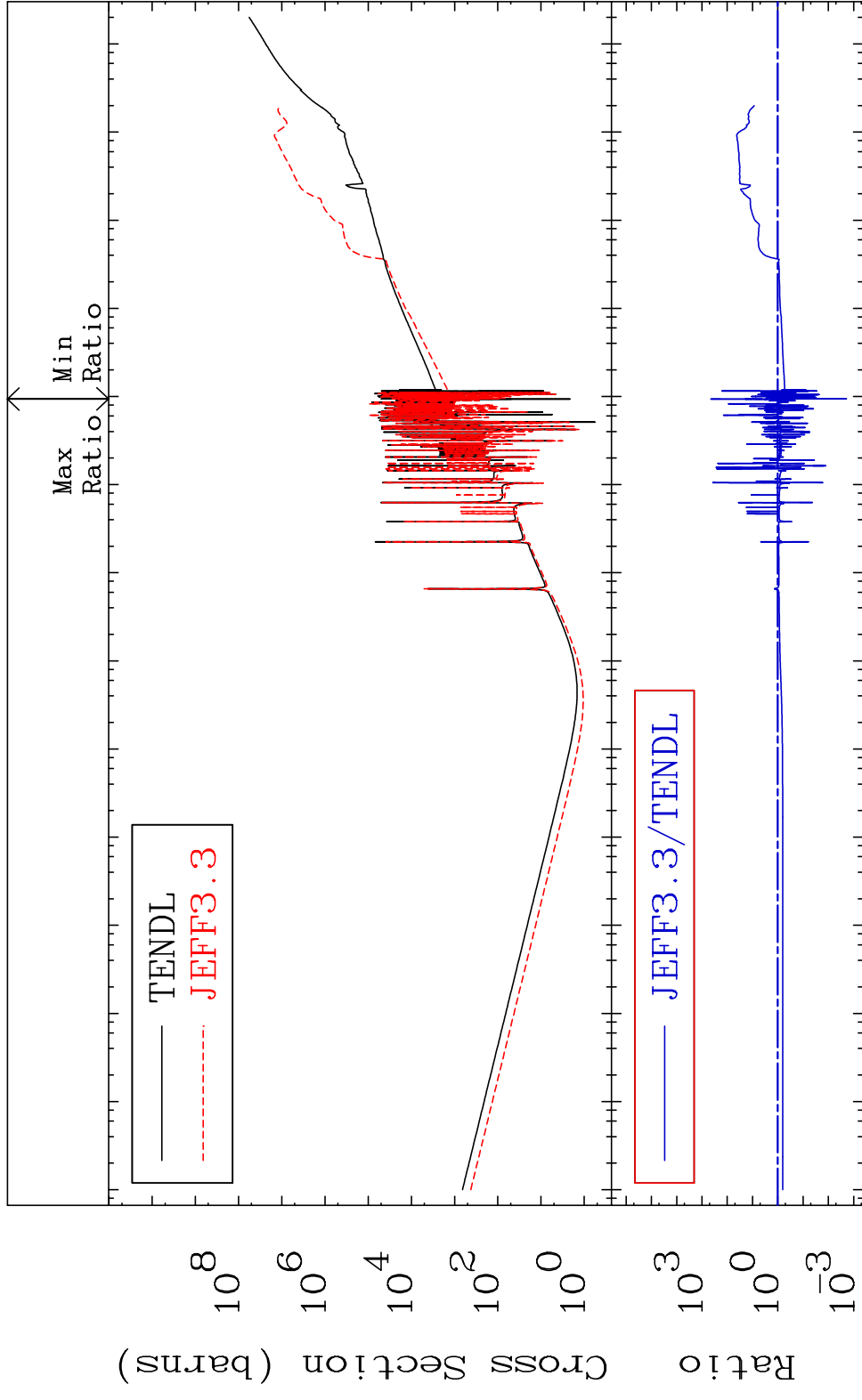


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Incident Energy (eV)

44-Ru-104

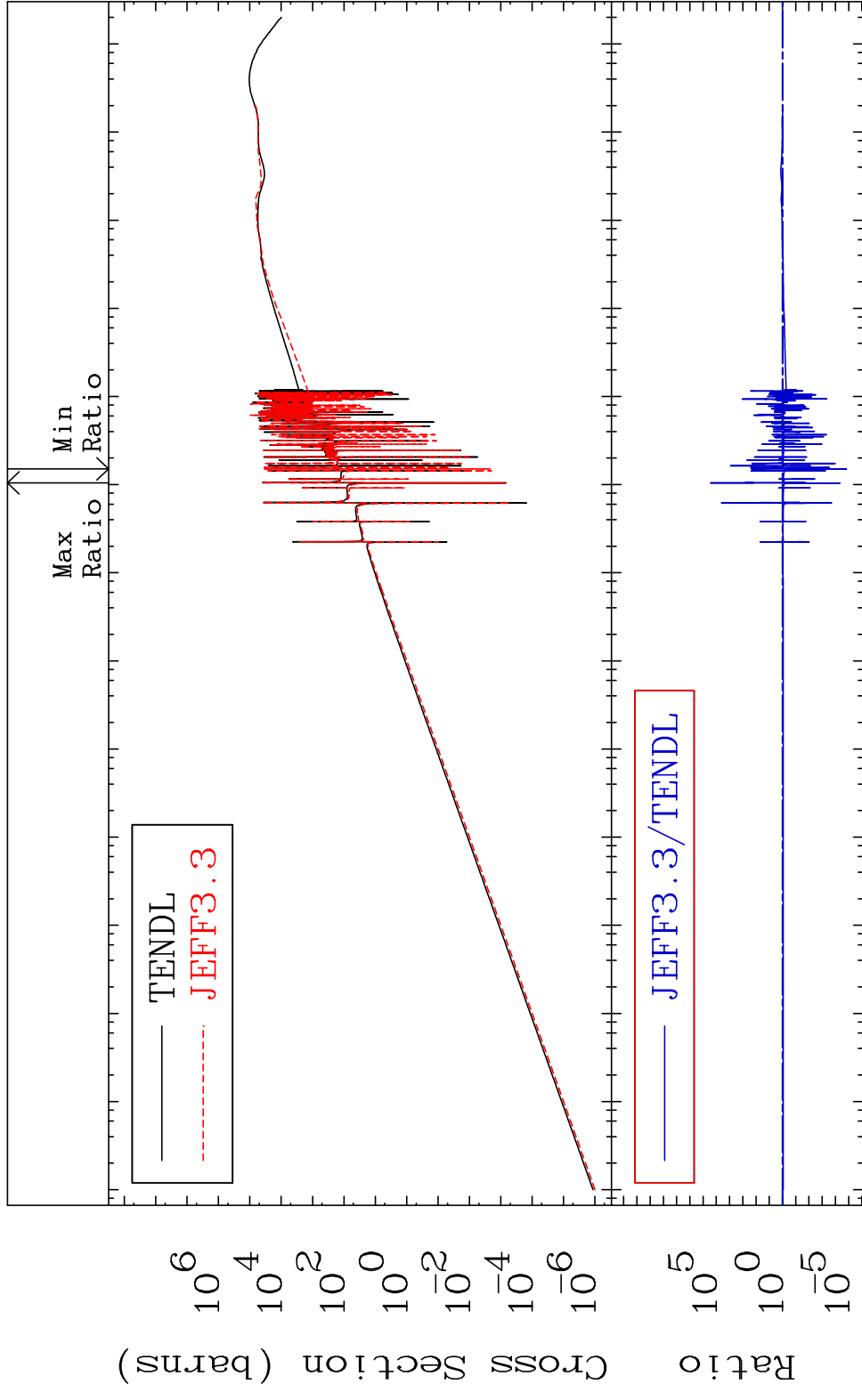
MAT 4449 Kerma total (eV-barns) 44-Ru-104
 Cross Section -99.80 To 9999. %



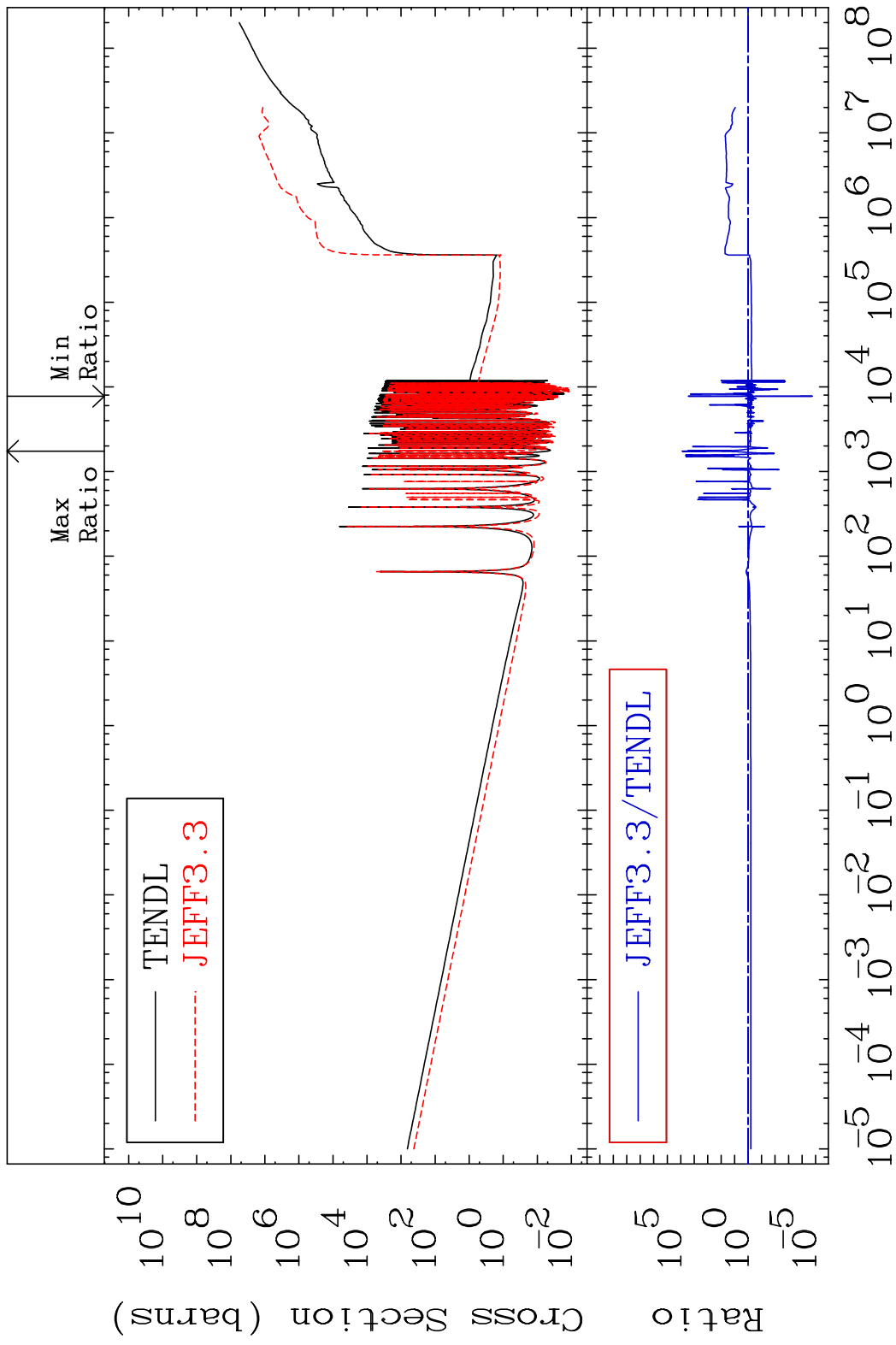
23 Incident Energy (eV) 44-Ru-104

MAT 4449

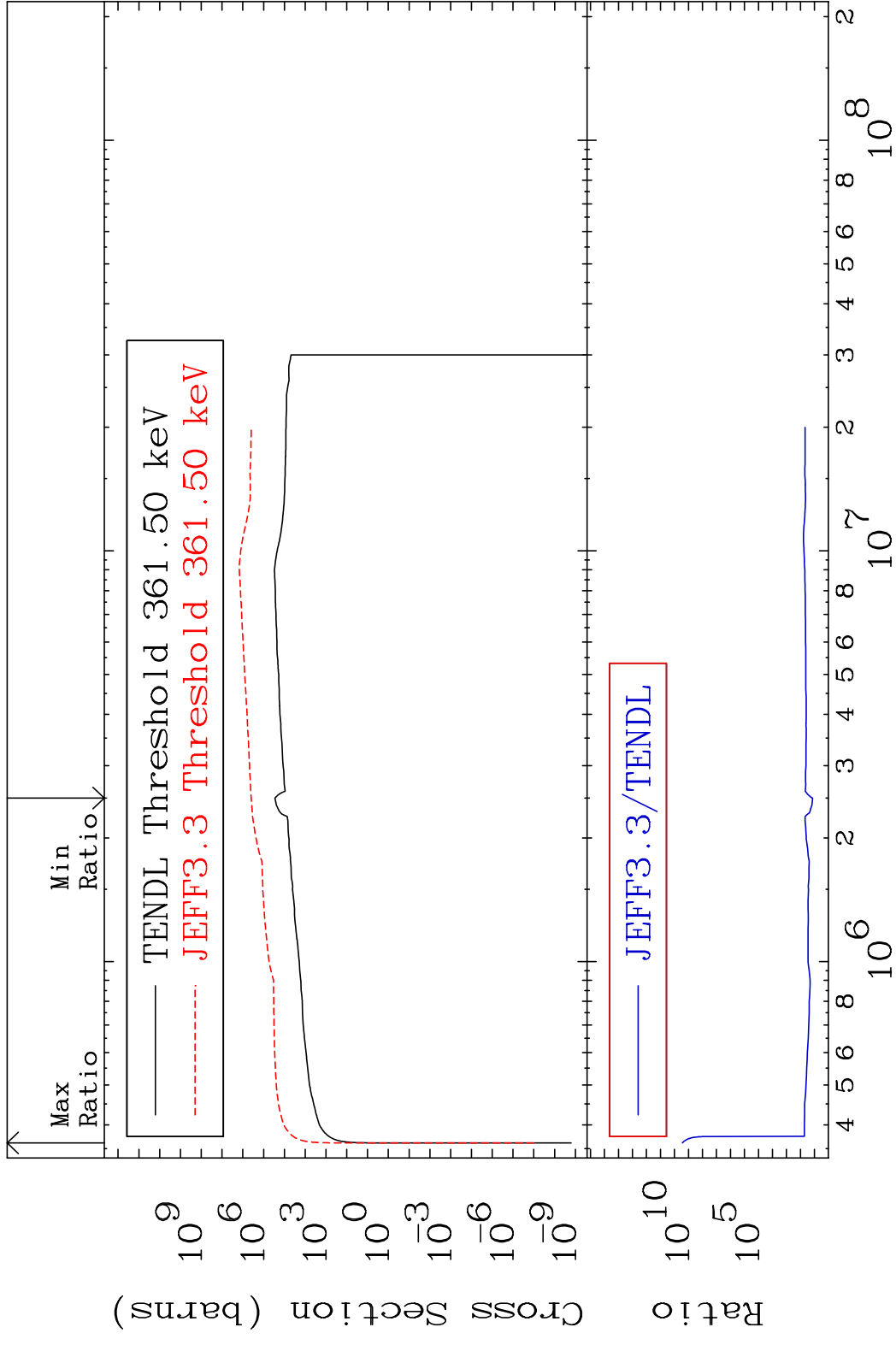
Kerma elastic Cross Section -100.0 To 9999. %
44-Ru-104



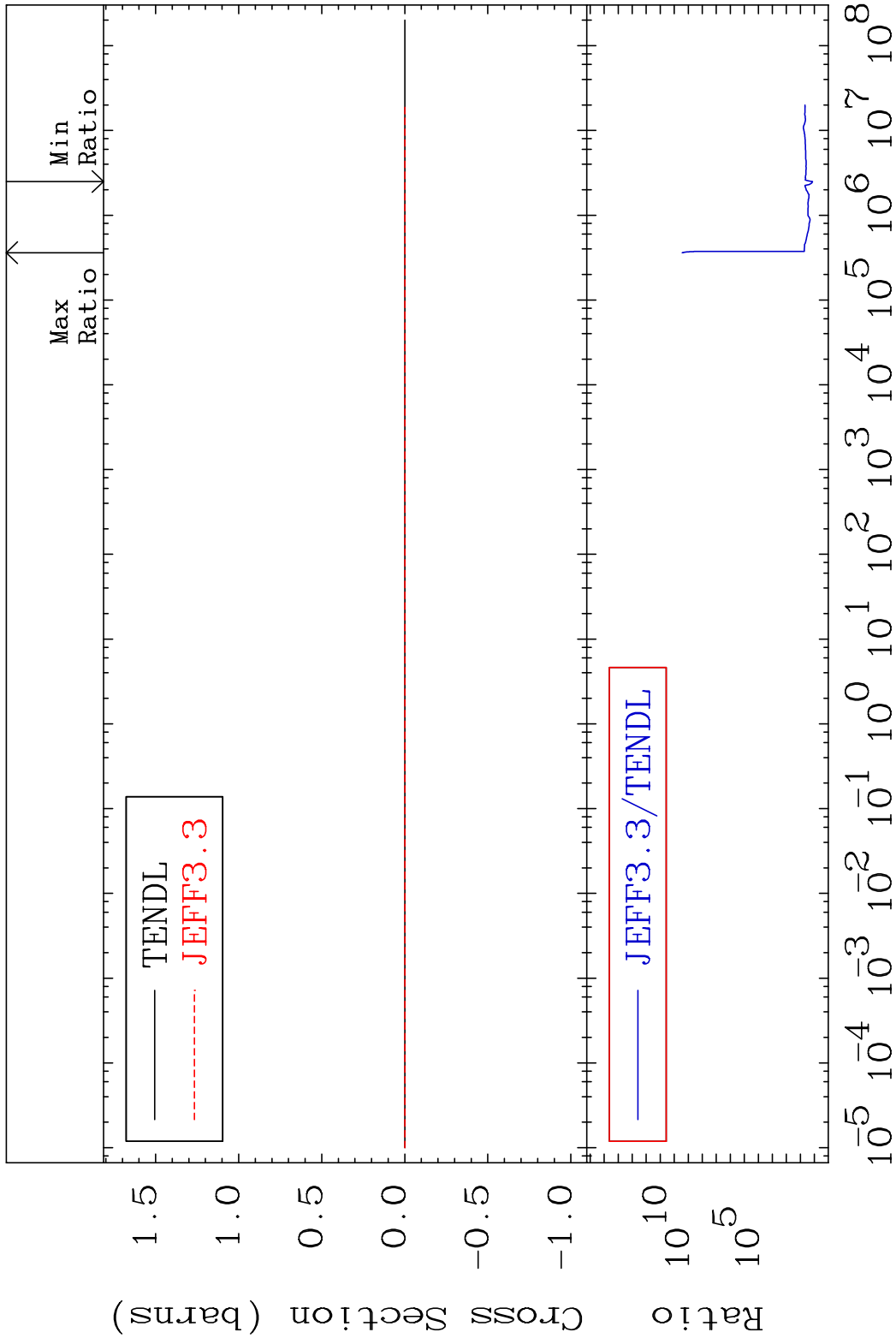
MAT 4449 Kerma non-elastic (all but mt2) 44-Ru-104
 Cross Section -100.0 To 9999. %



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



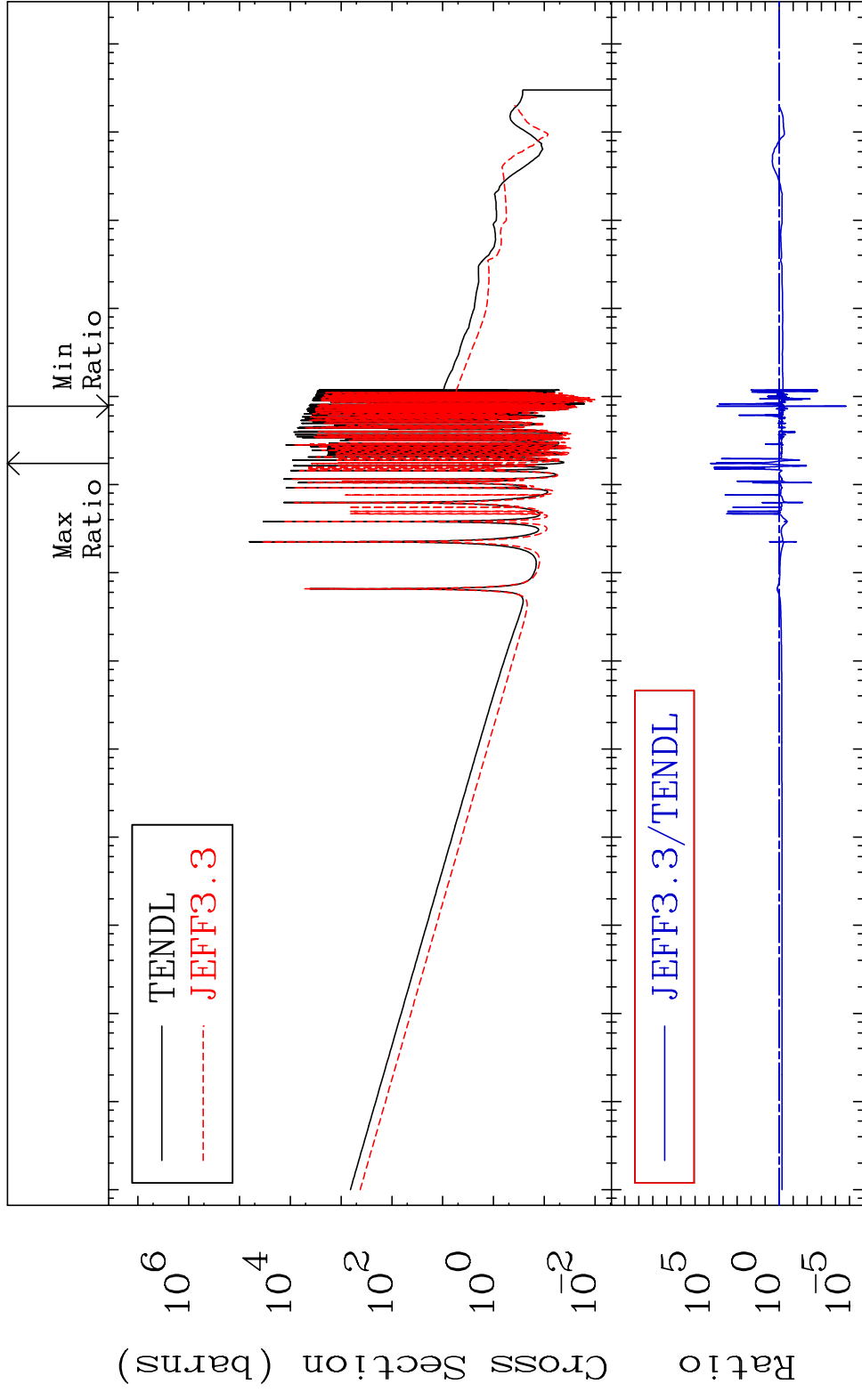
MAT 4449 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-104
 Cross Section 1275. To 9999. %



MAT 4449

Kerma capture (mt102) 44-Ru-104

Cross Section -100.0 To 9999. %

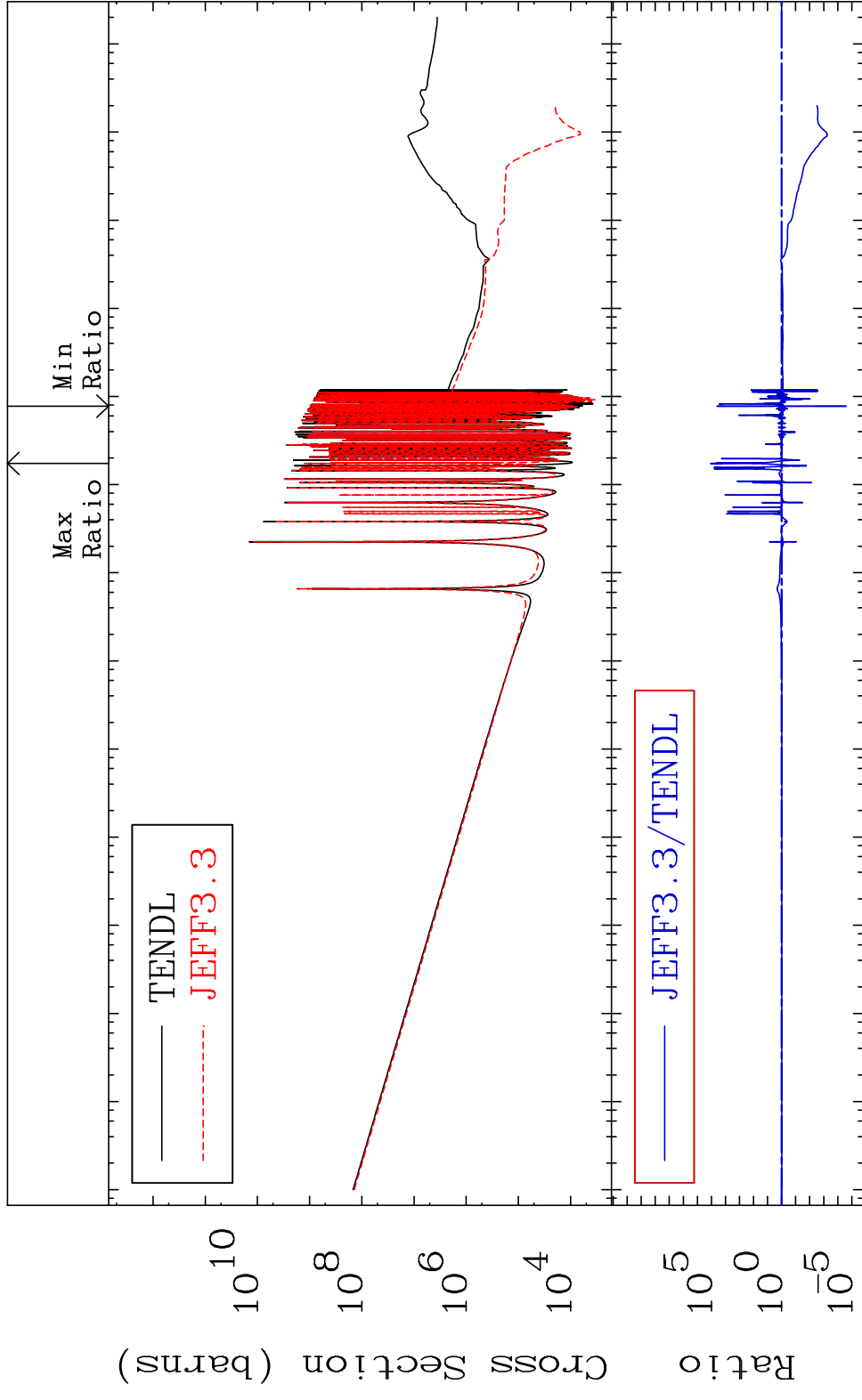


28

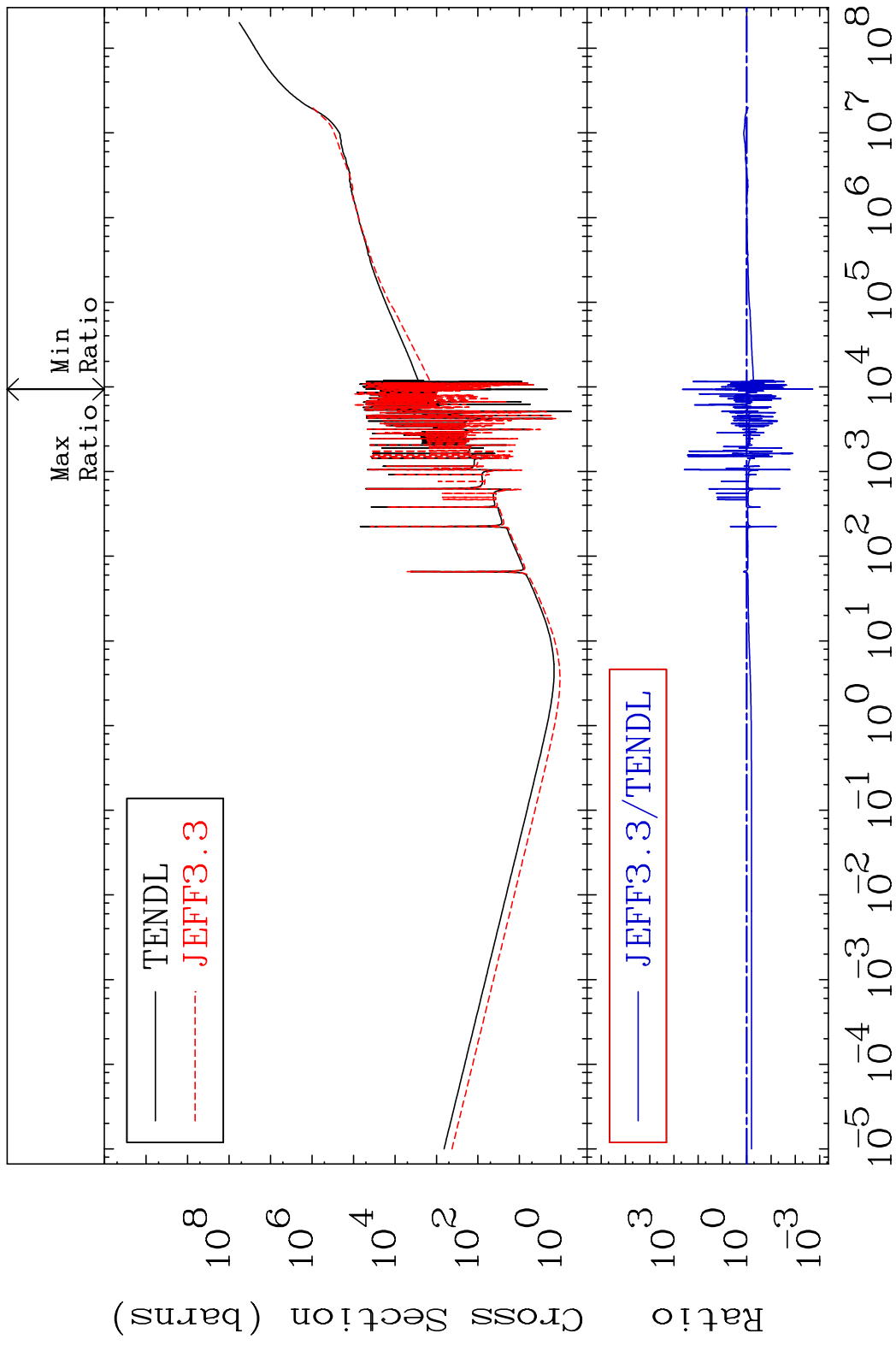
Incident Energy (eV)

44-Ru-104

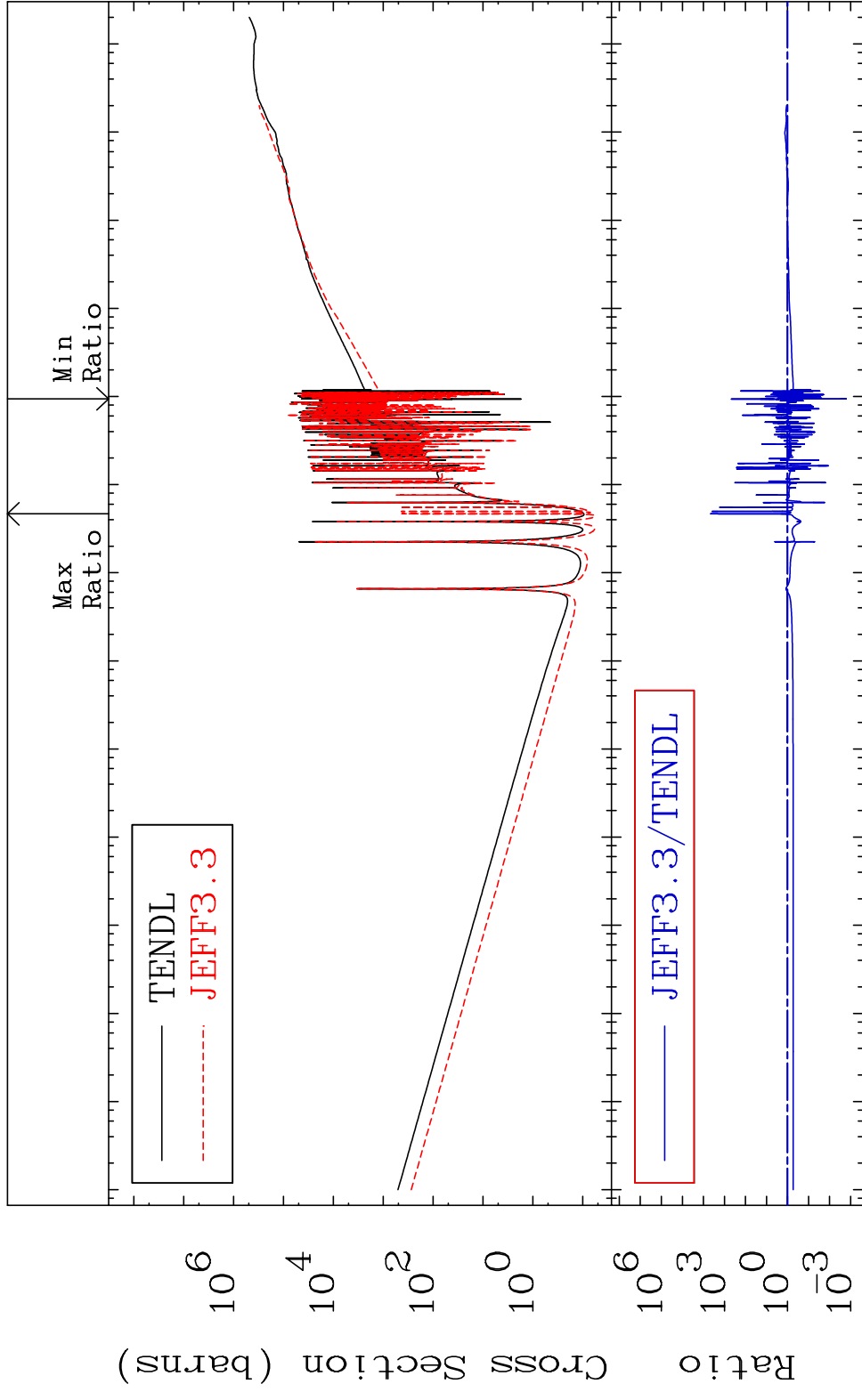
MAT 4449 Total photon (eV-barns) 44-Ru-104
 Cross Section -100.0 To 9999. %



MAT 4449 Total kinematic kerma (high limit) 44-Ru-104
 Cross Section -99.80 To 9999. %



MAT 4449 Dpa total (eV-barns) 44-Ru-104
 Cross Section -99.84 To 9999. %



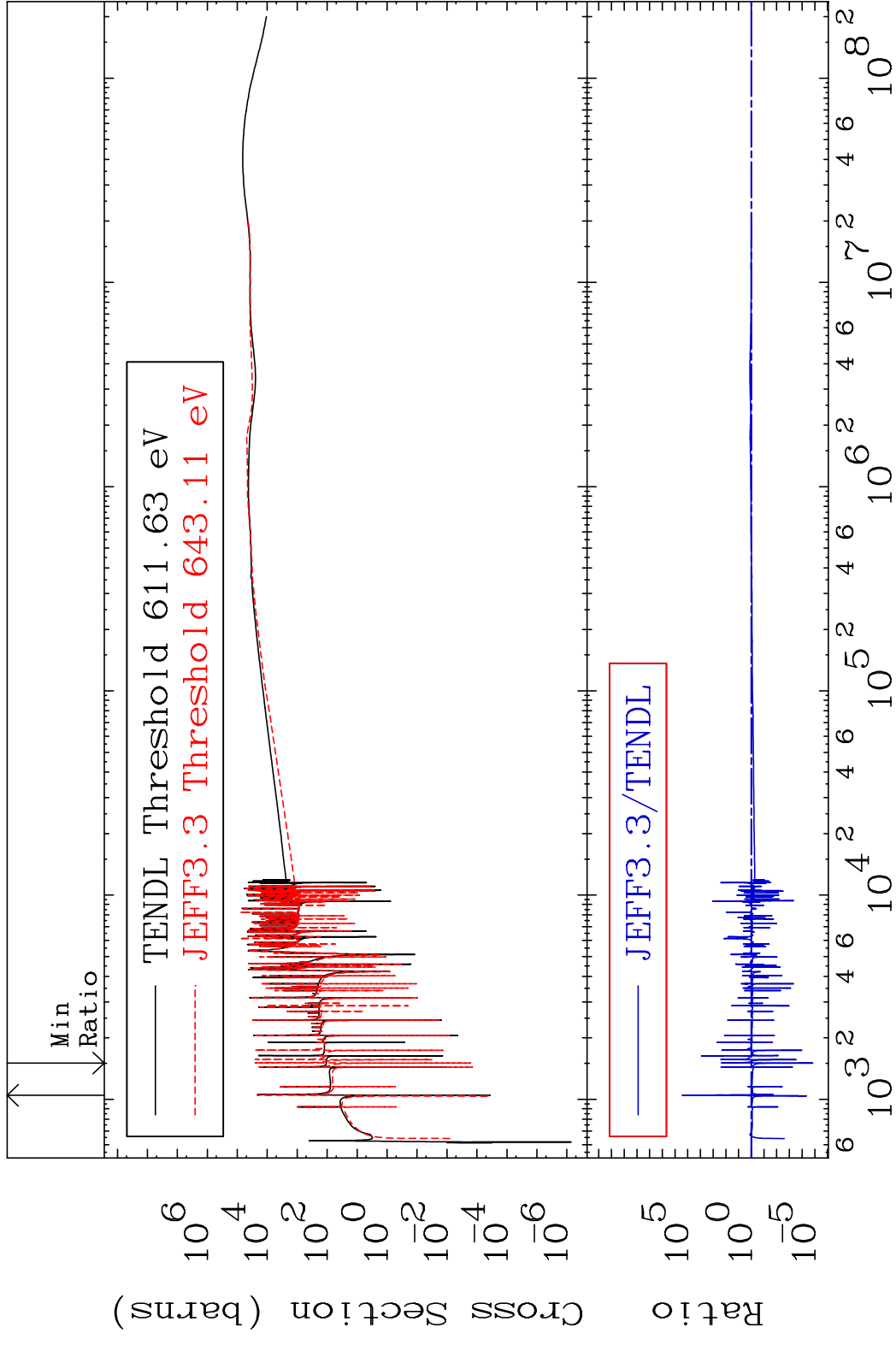
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
 Incident Energy (eV) 44-Ru-104

MAT 4449

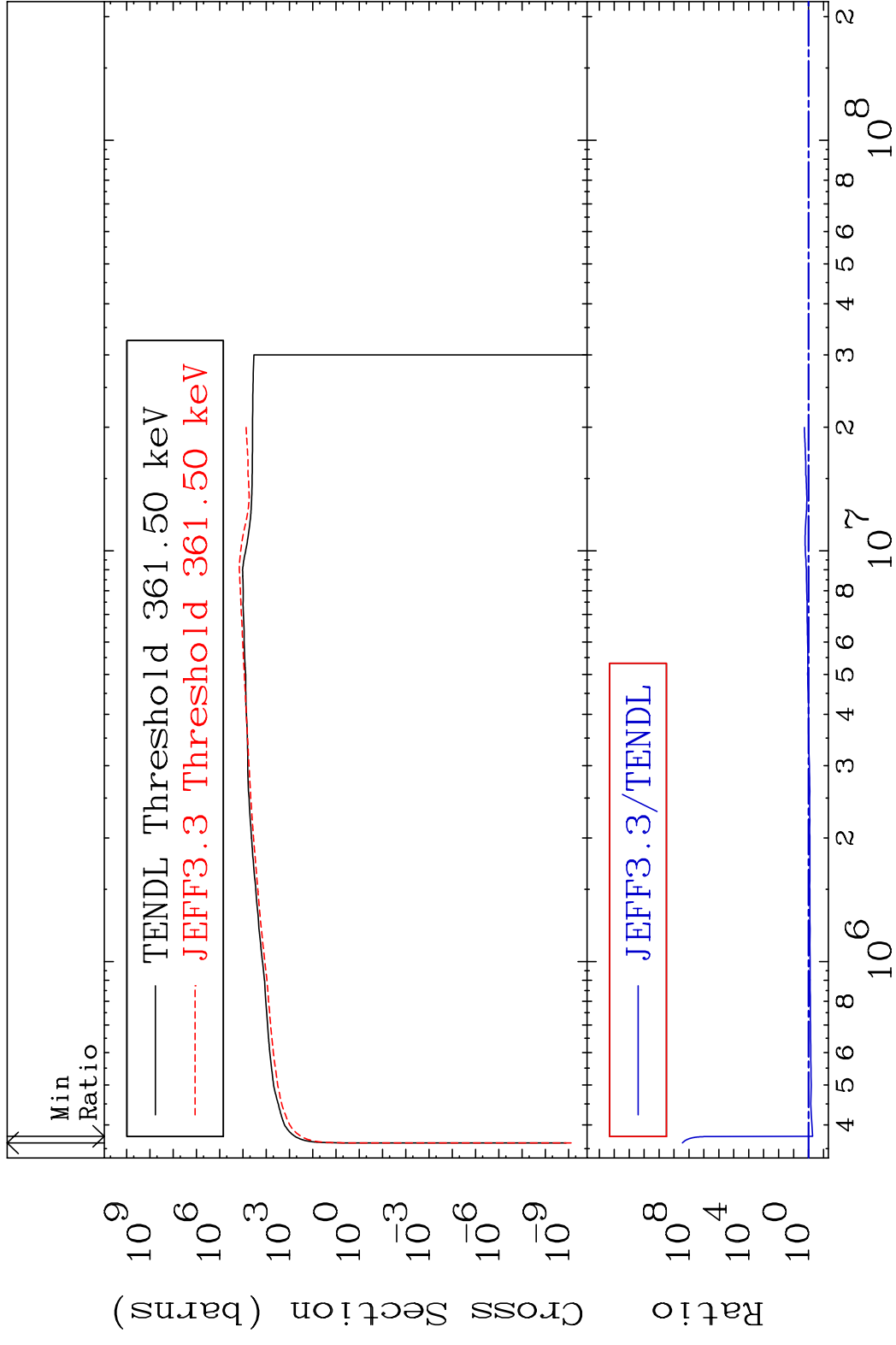
Dpa elastic (mt2)

44-Ru-104

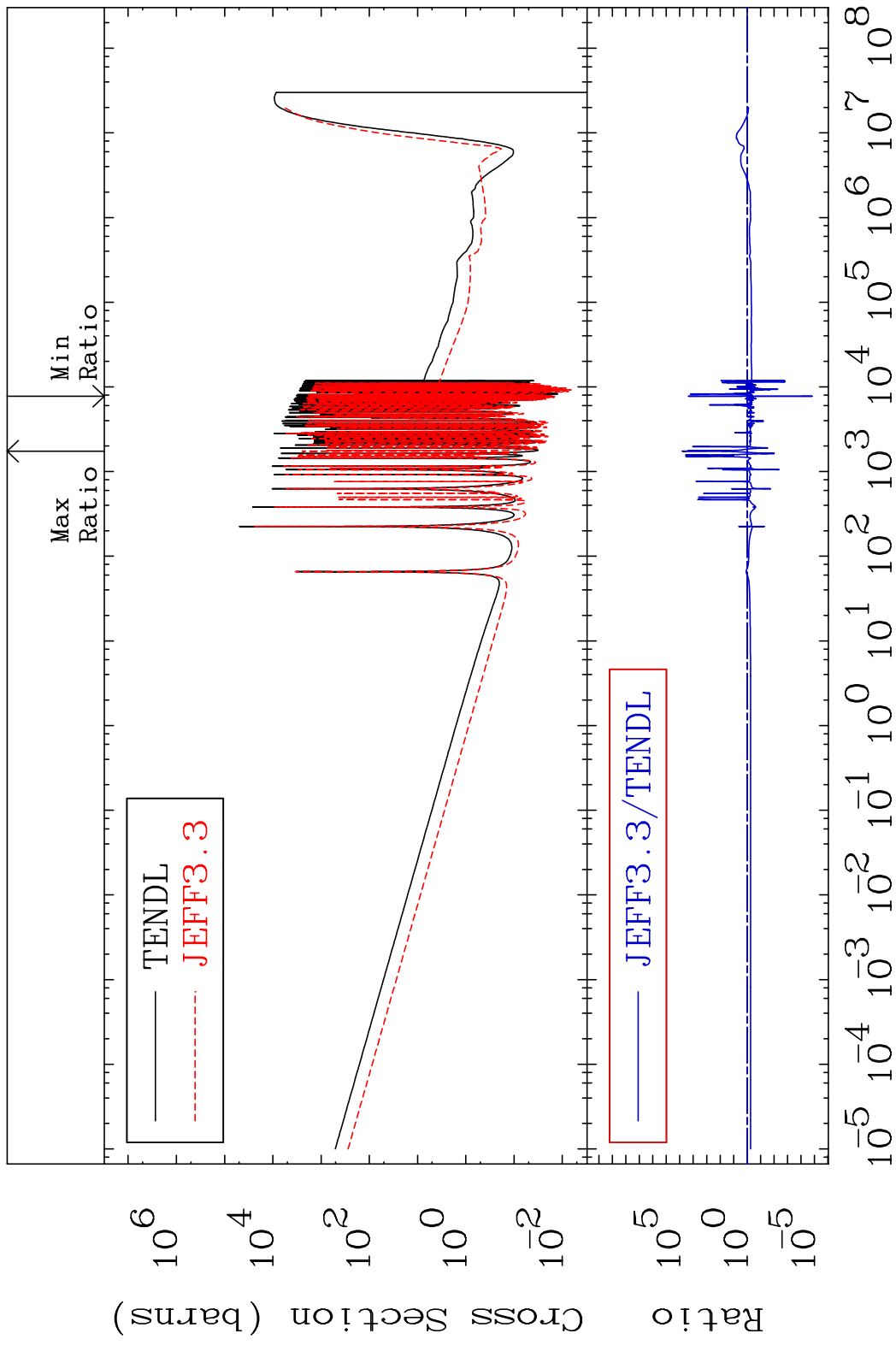
Cross Section -100.0 To 9999. %



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 -100.0 To 9999. %



34 Incident Energy (eV) 44-Ru-104