

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

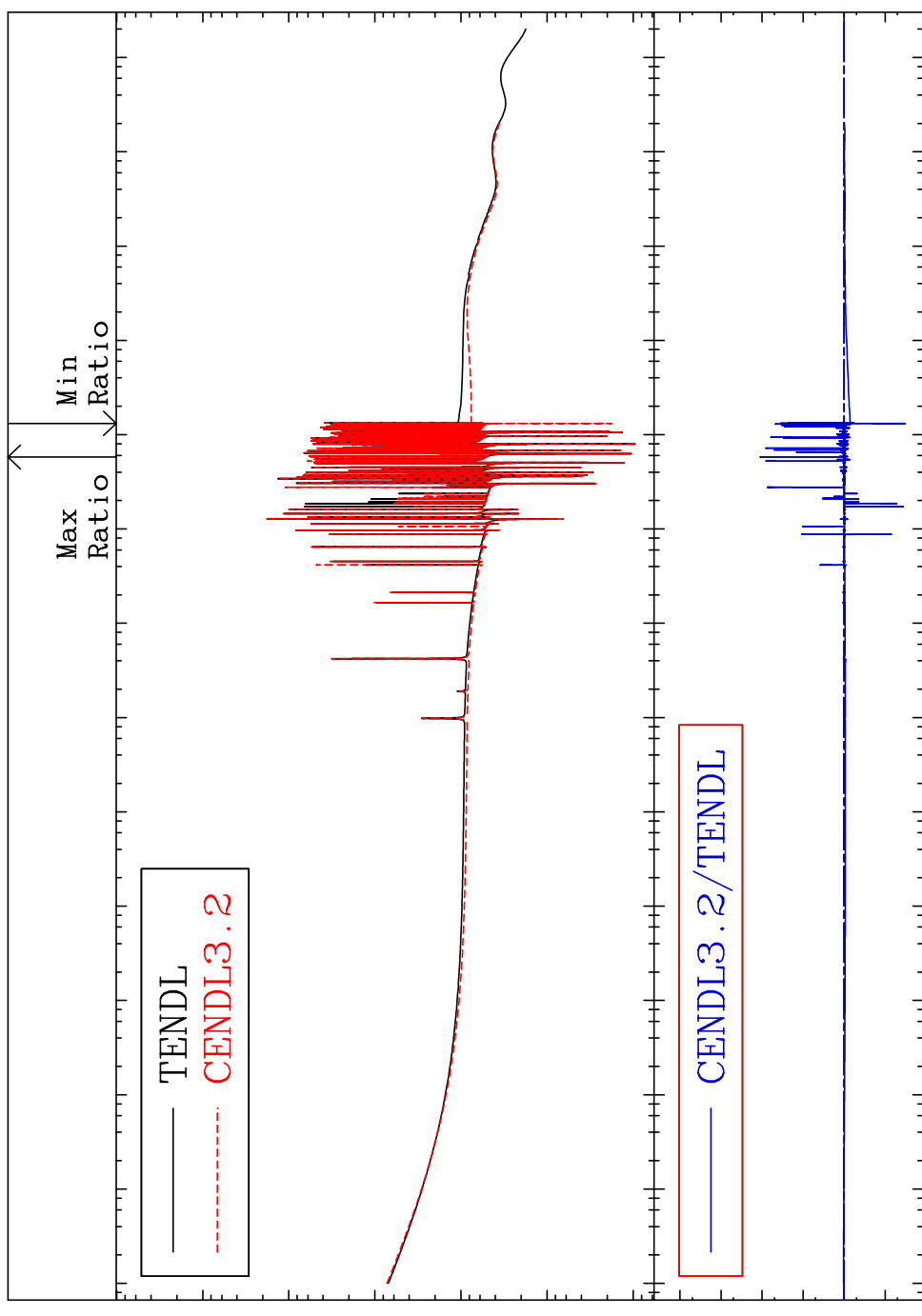
MAT 4443

Total

44-Ru-102

Cross Section

-96.76 To 9999. %



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

10²
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-102

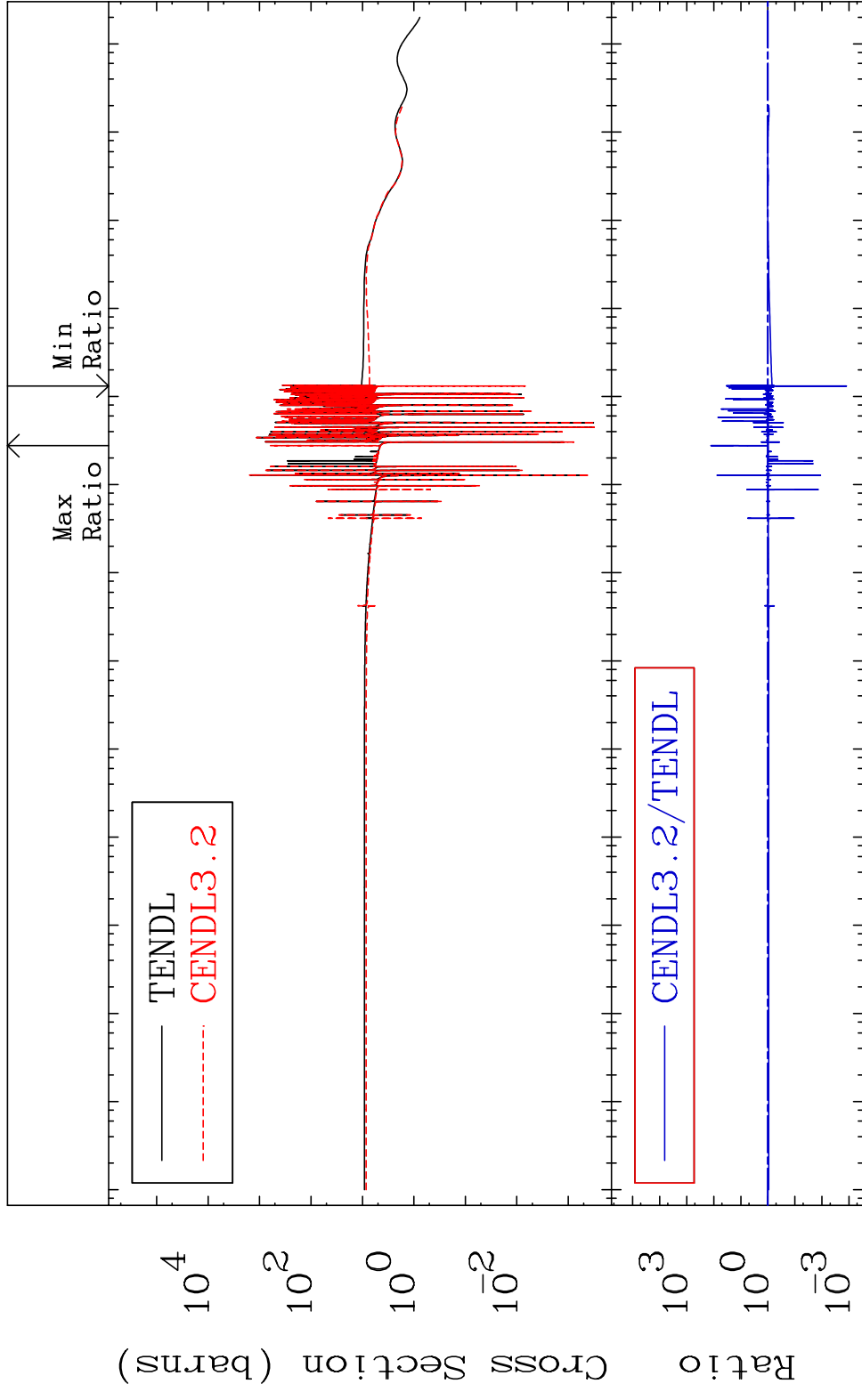
MAT 4443

Elastic

44-Ru-102

Cross Section

-99.87 To 9999. %

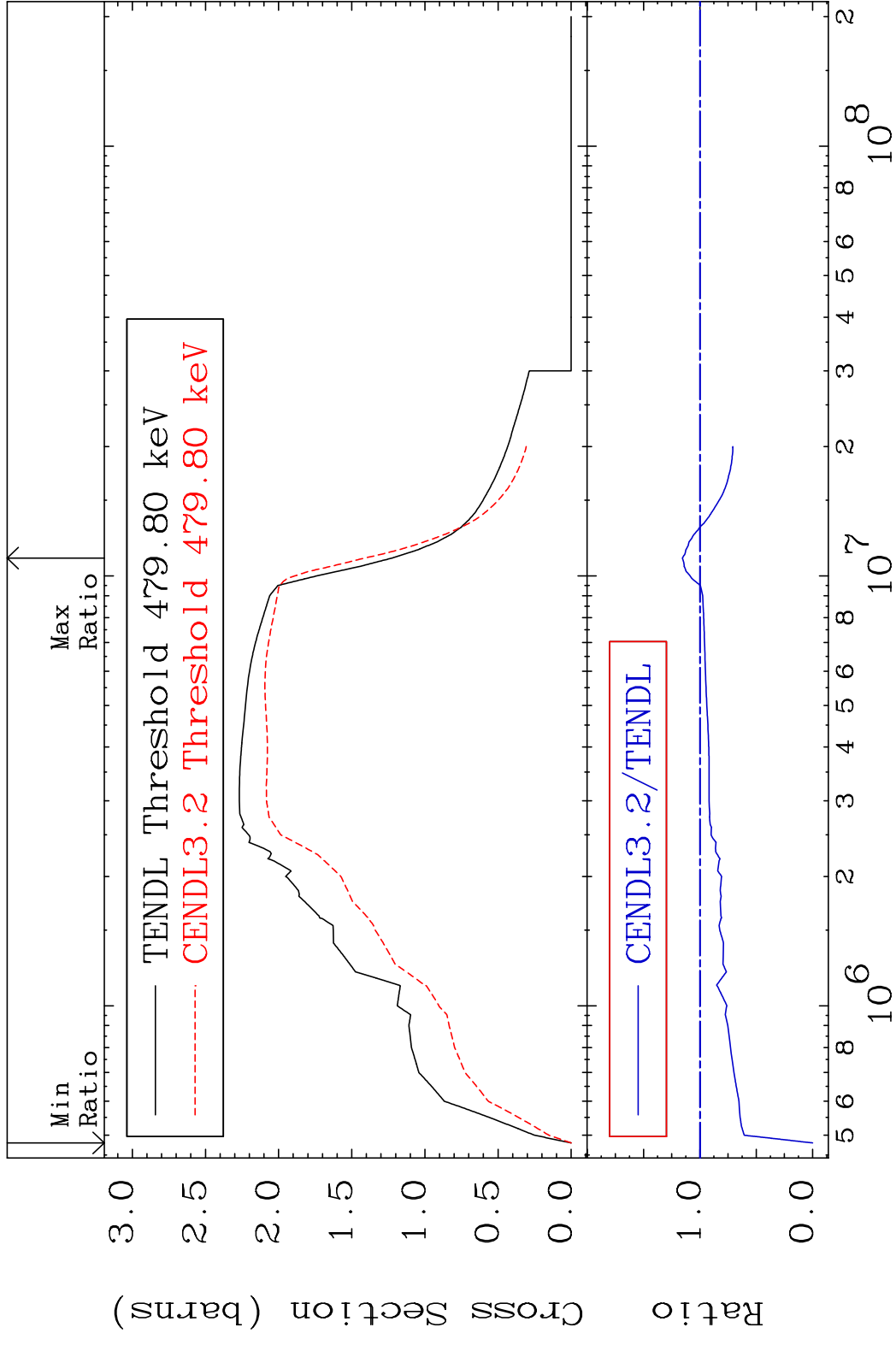


2

Incident Energy (eV)

44-Ru-102

MAT 4443 Inelastic 44-Ru-102
 Cross Section -100.0 To 15.56 %

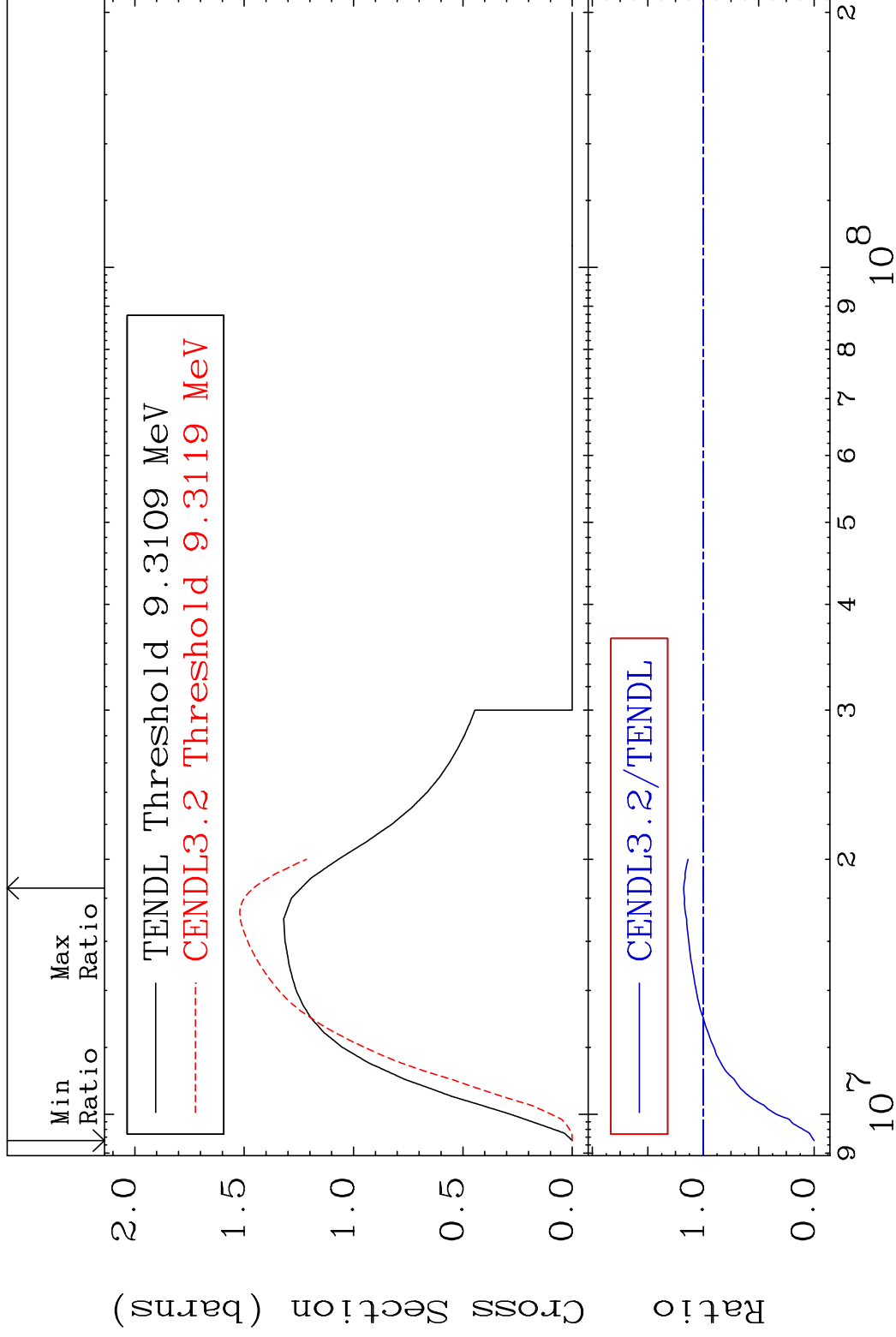


MAT 4443

(n,2n)

44-Ru-102

Cross Section -100.0 To 17.66 %

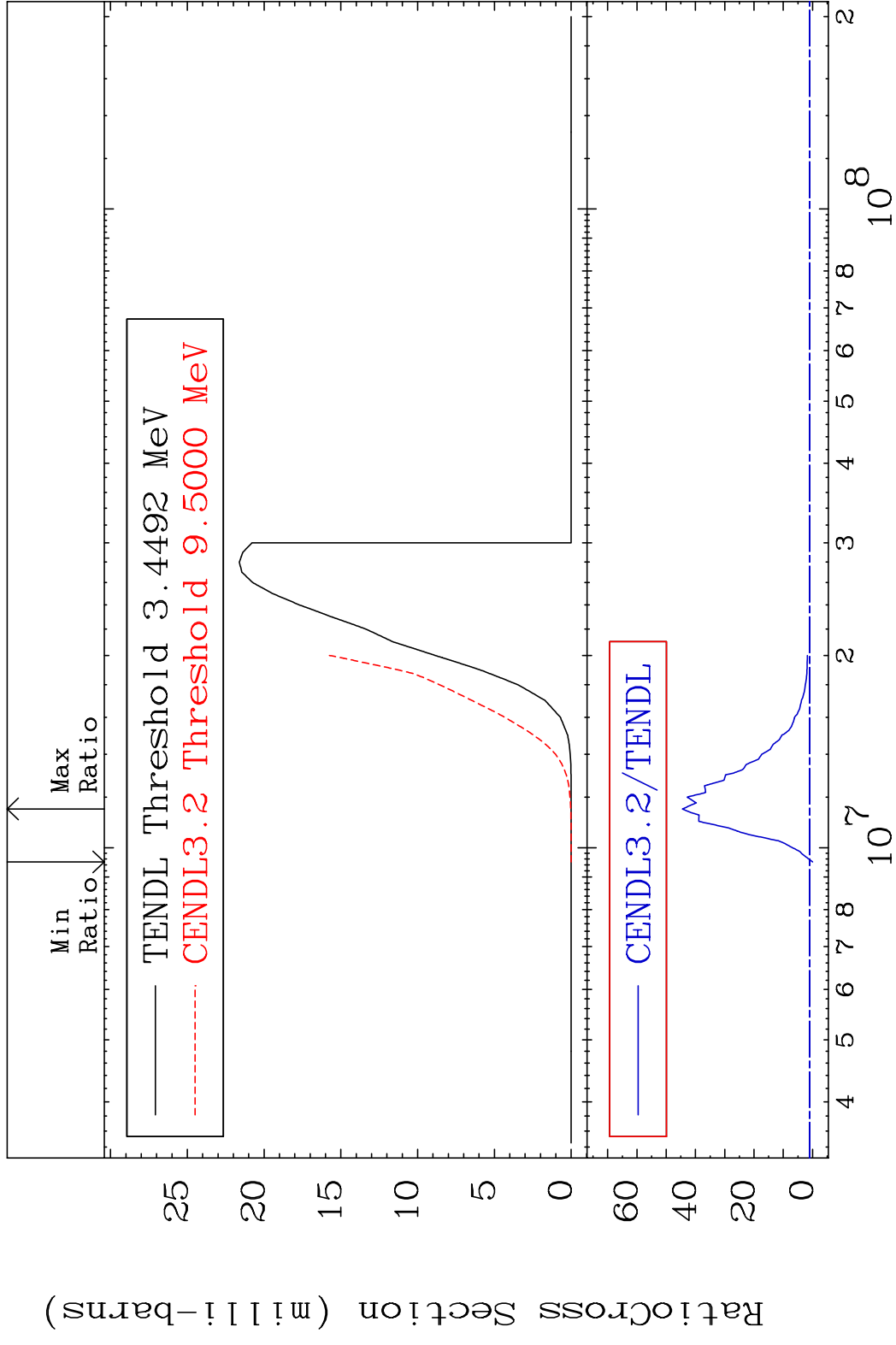


4

Incident Energy (eV)

44-Ru-102

MAT 4443 (n, n') α 44-Ru-102
 Cross Section -100.0 To 4349. %

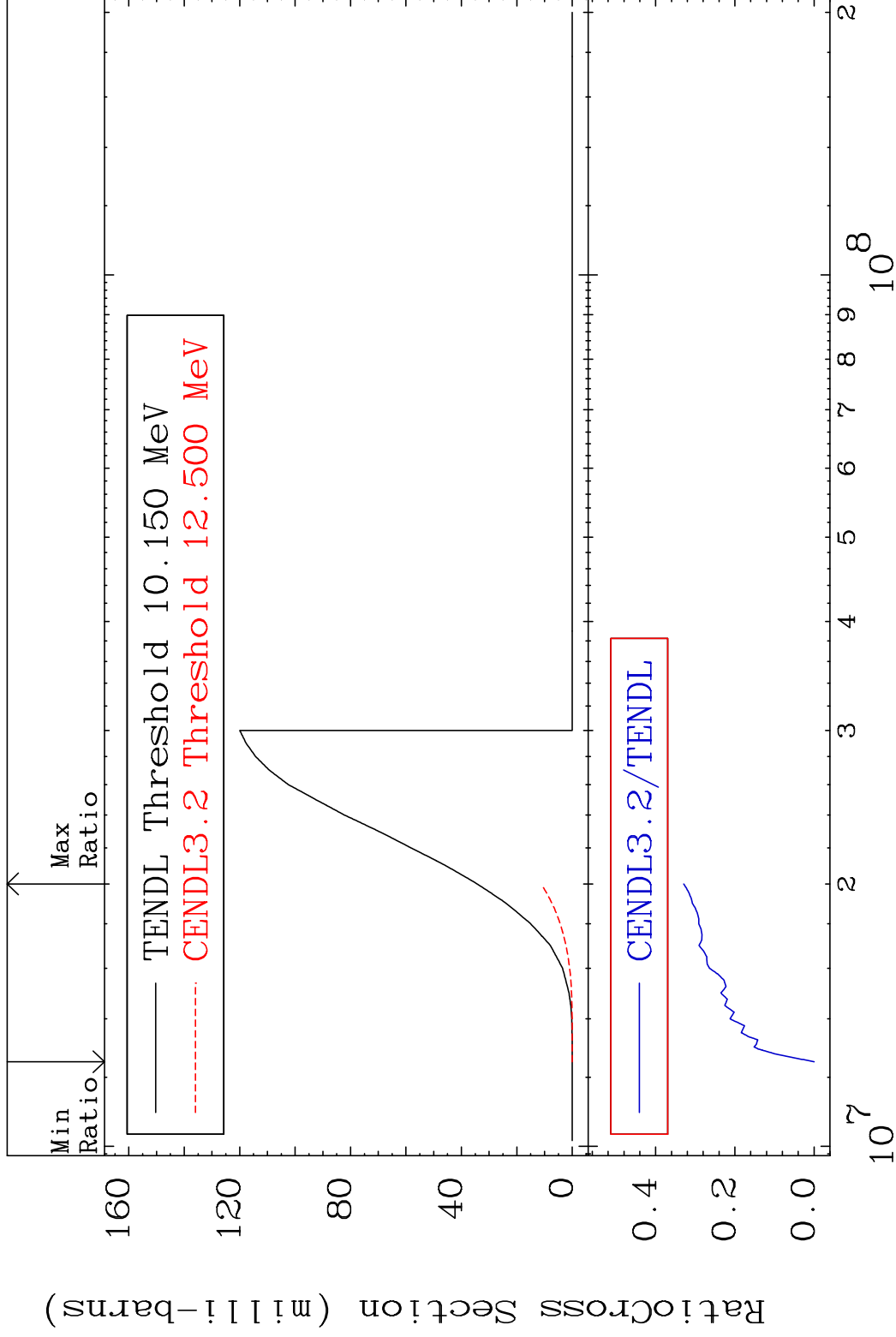


MAT 4443

(n, n') p

44-Ru-102

Cross Section -100.0 To -67.06%

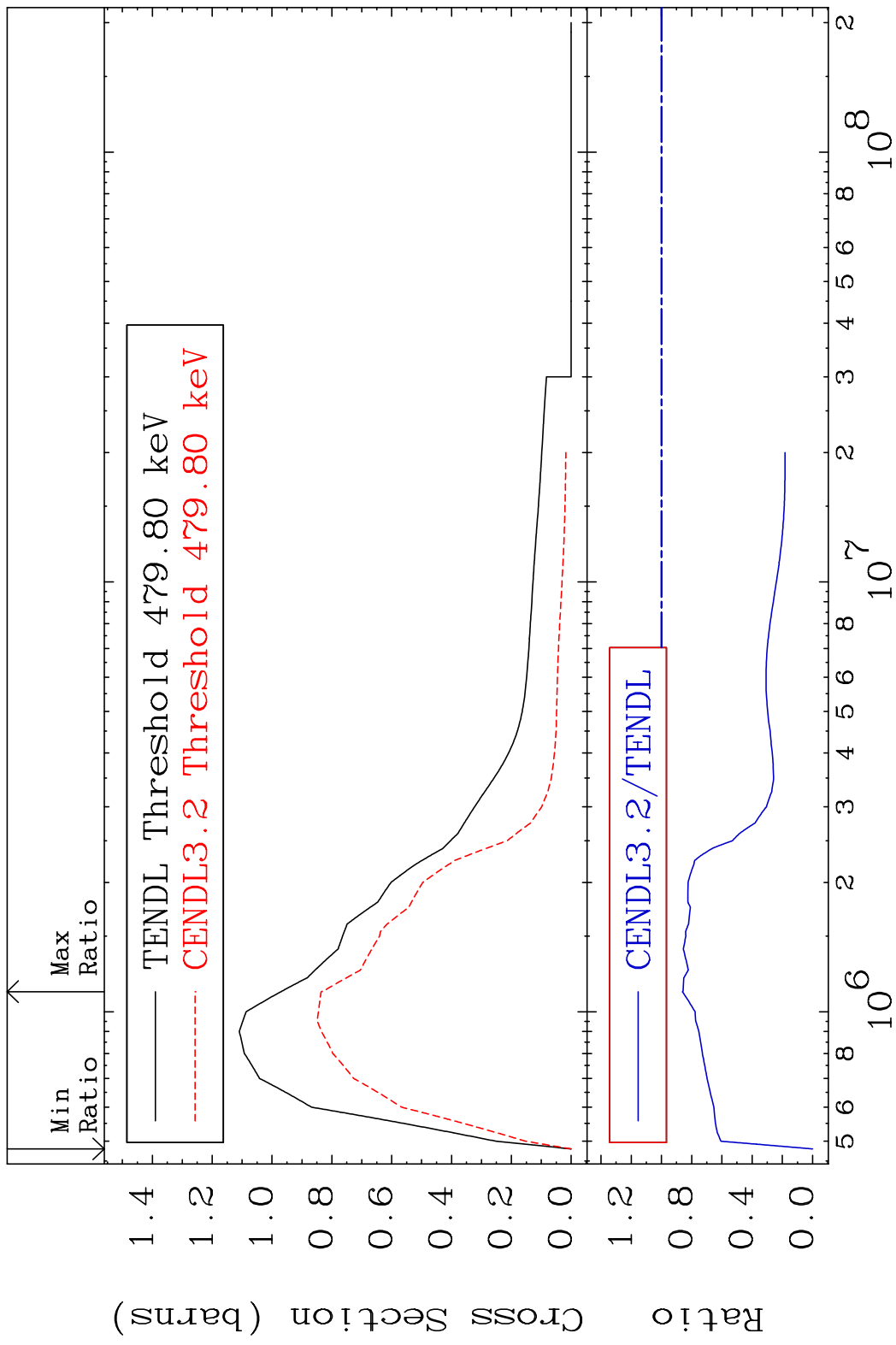


7

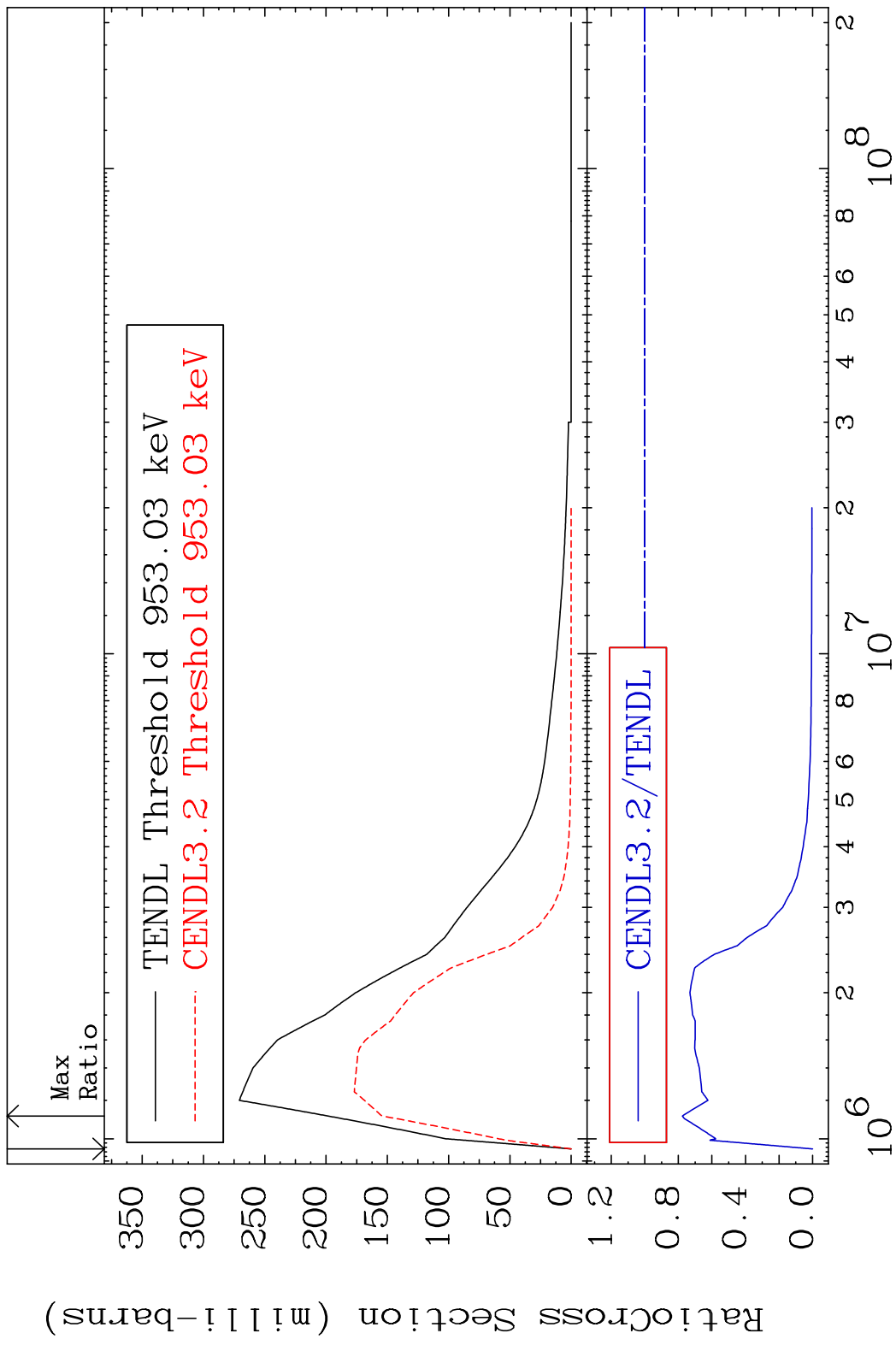
Incident Energy (eV)

44-Ru-102

MAT 4443 MT= 51 (n, n') Level 44-Ru-102
 Cross Section -100.0 To -13.83%

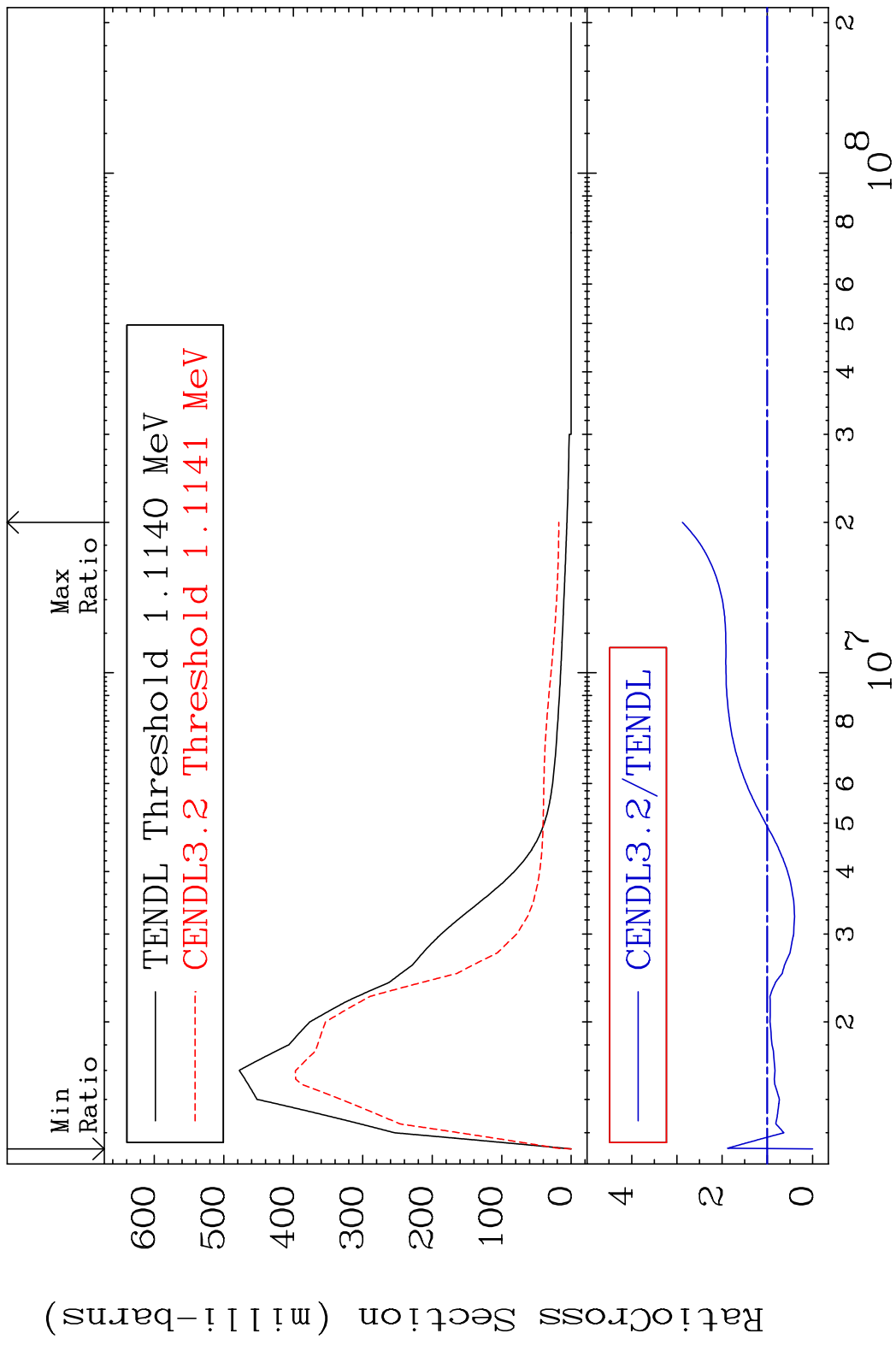


MAT 4443 MT= 52 (n, n') Level 44-Ru-102
 Cross Section -100.0 To -22.38%



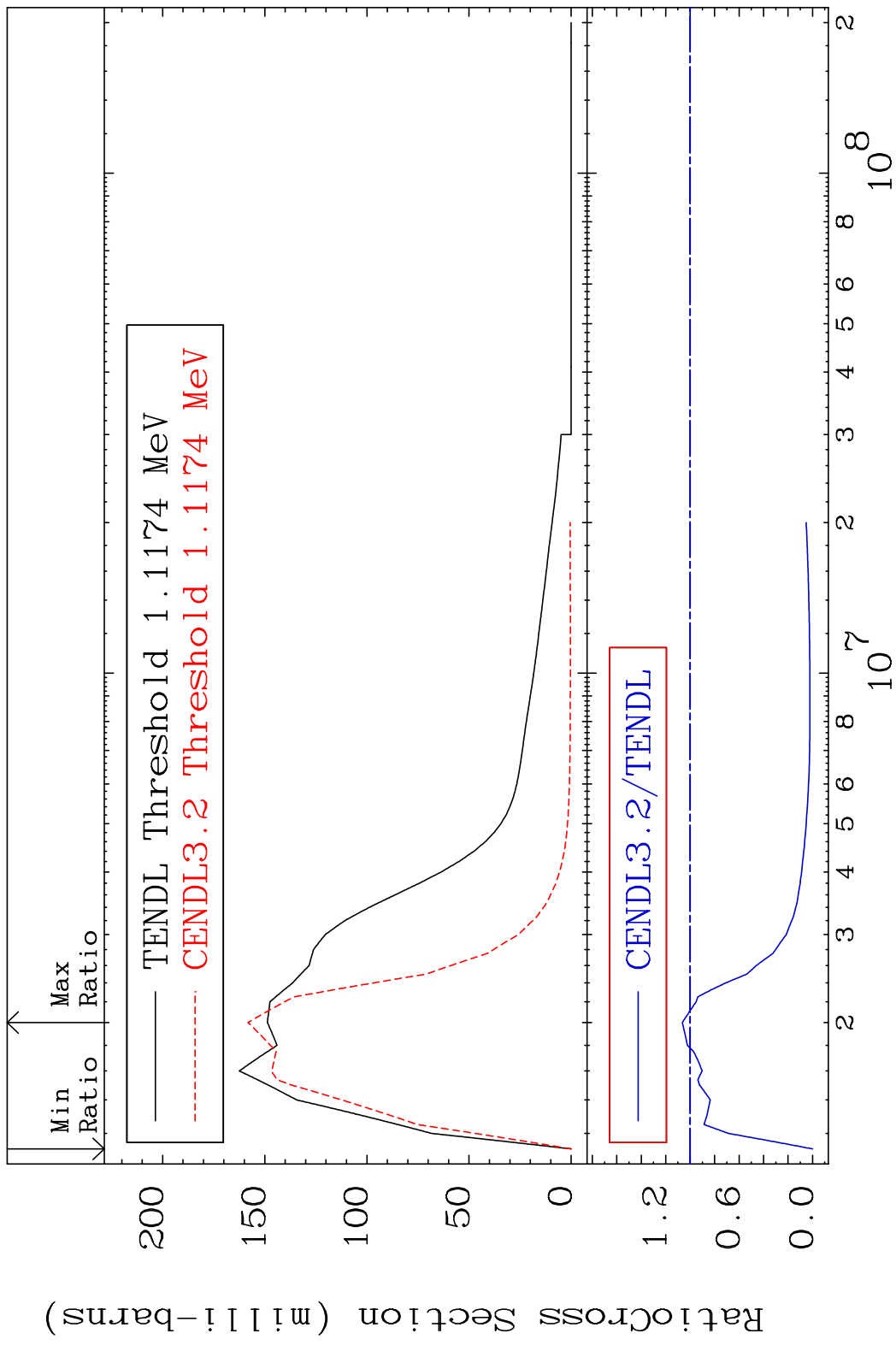
9 Incident Energy (eV) 44-Ru-102

MAT 4443 MT= 53 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 187.9 %

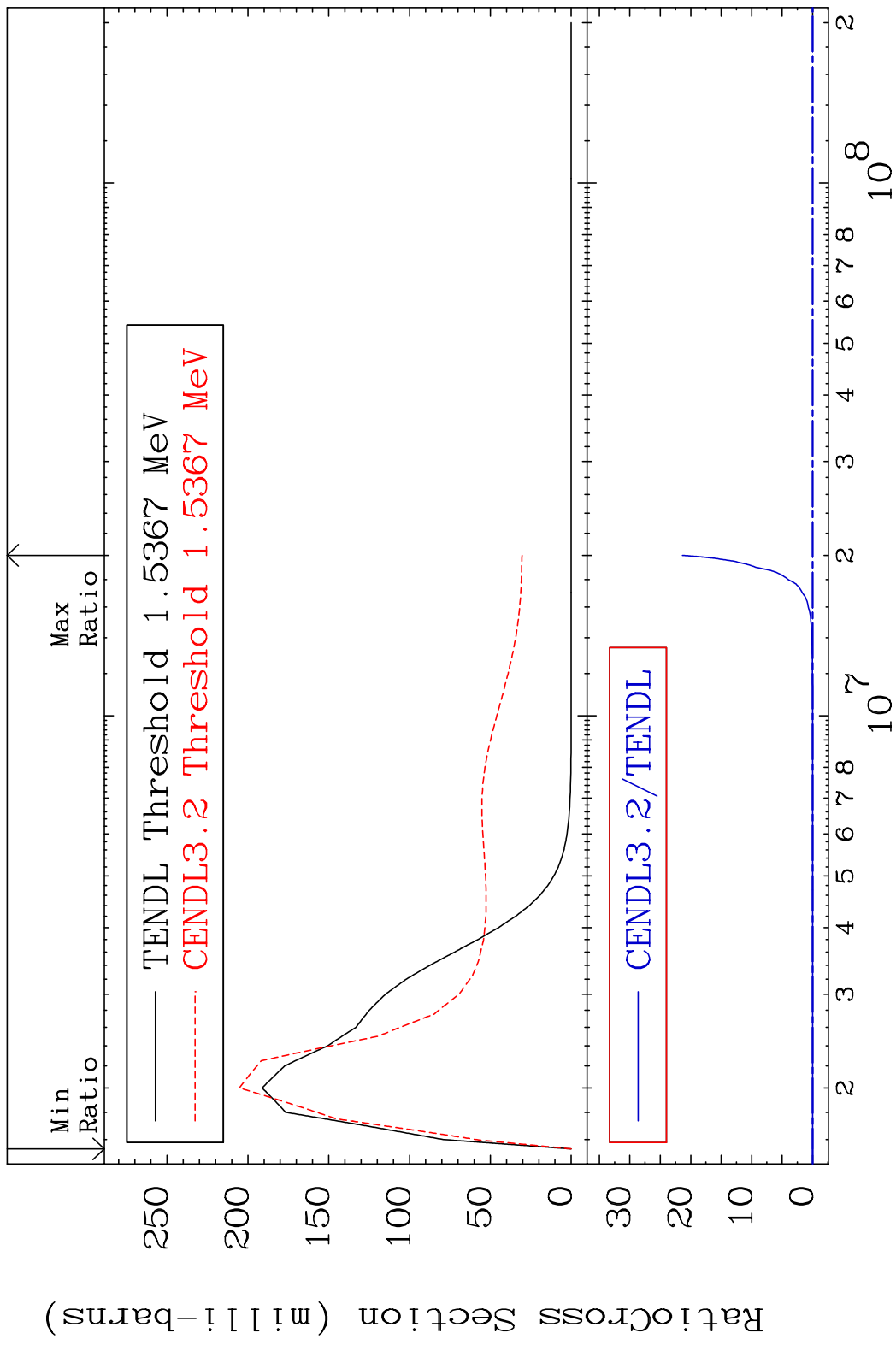


10 Incident Energy (eV) 44-Ru-102

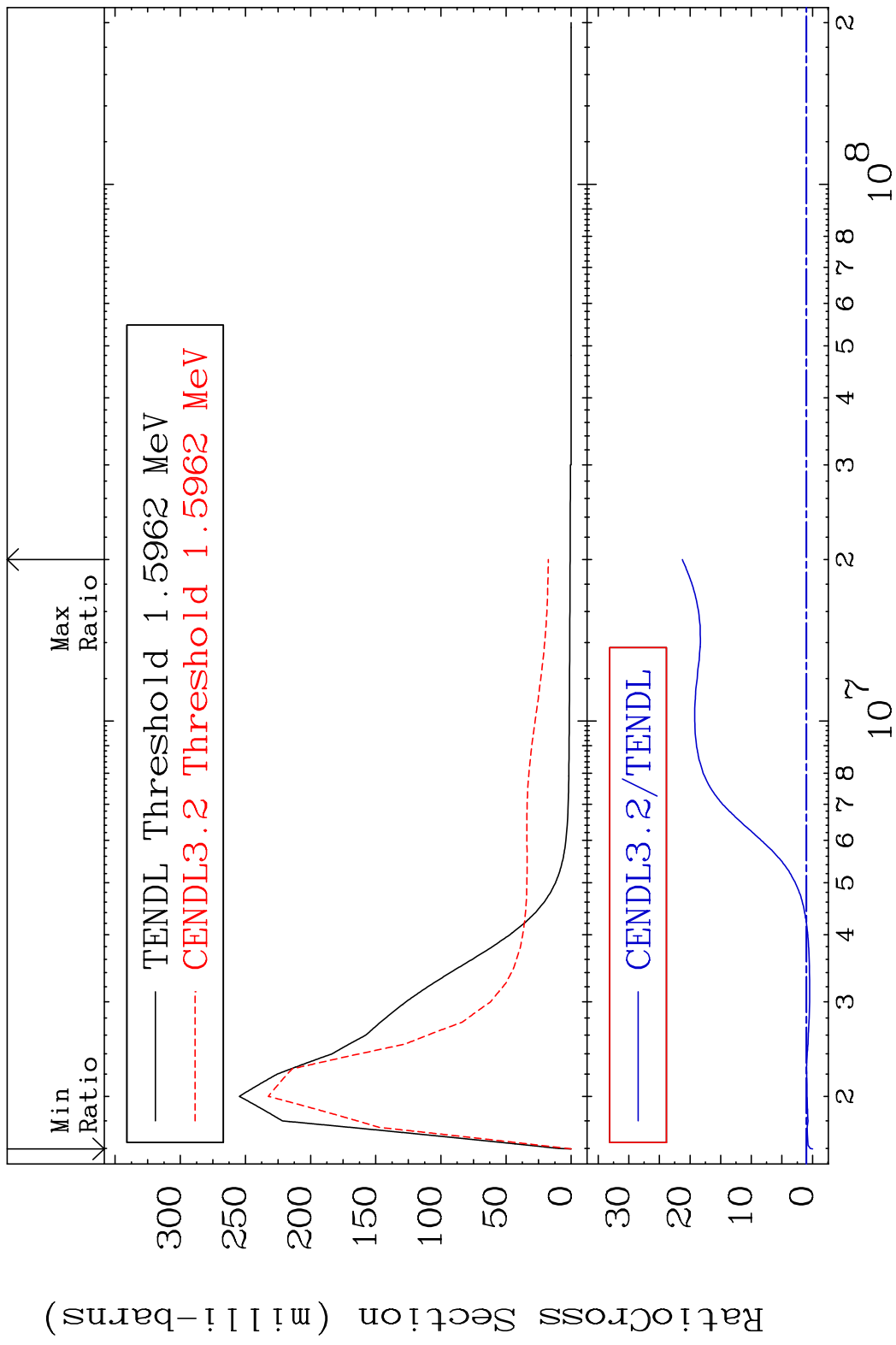
MAT 4443 MT= 54 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 6.394 %



MAT 4443 MT= 55 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %



MAT 4443 MT= 56 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 2026. %

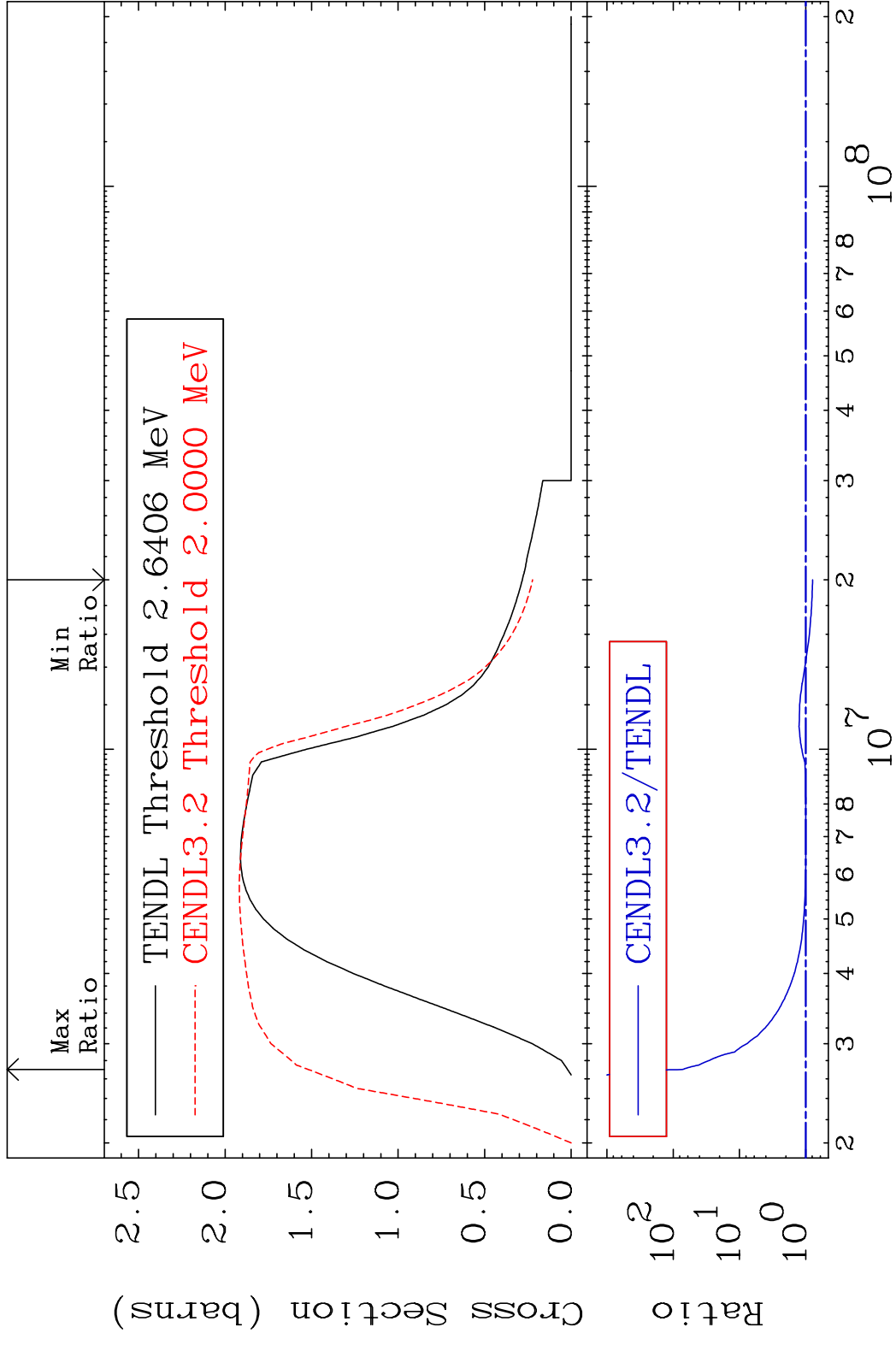


MAT 4443

(n, n') Continuum

44-Ru-102

Cross Section -21.03 To 7182. %

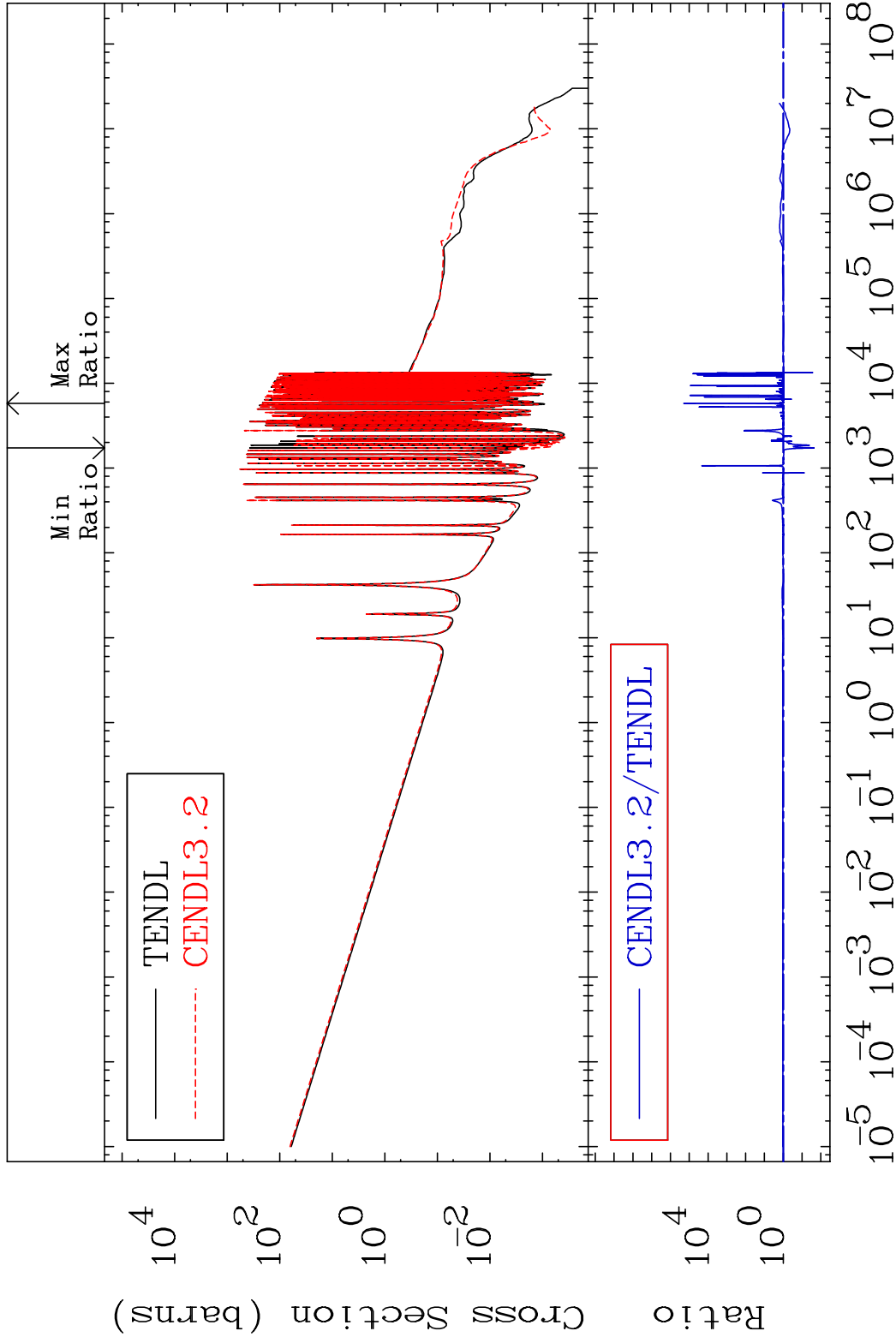


MAT 4443

(n, γ)

44-Ru-102

Cross Section -97.73 To 9999. %



15

Incident Energy (eV)

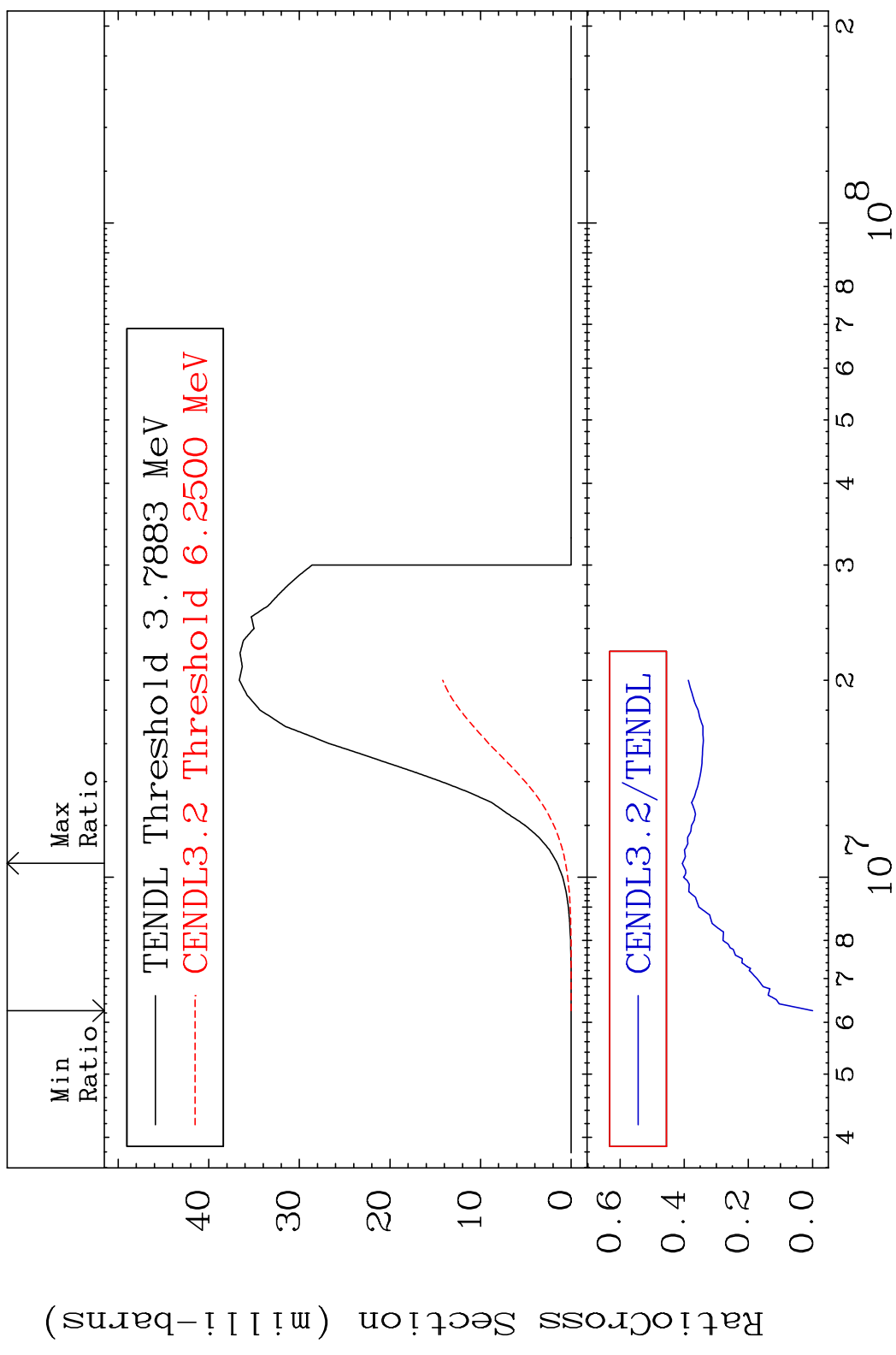
44-Ru-102

MAT 4443

(n,p)

44-Ru-102

Cross Section -100.0 To -59.41%

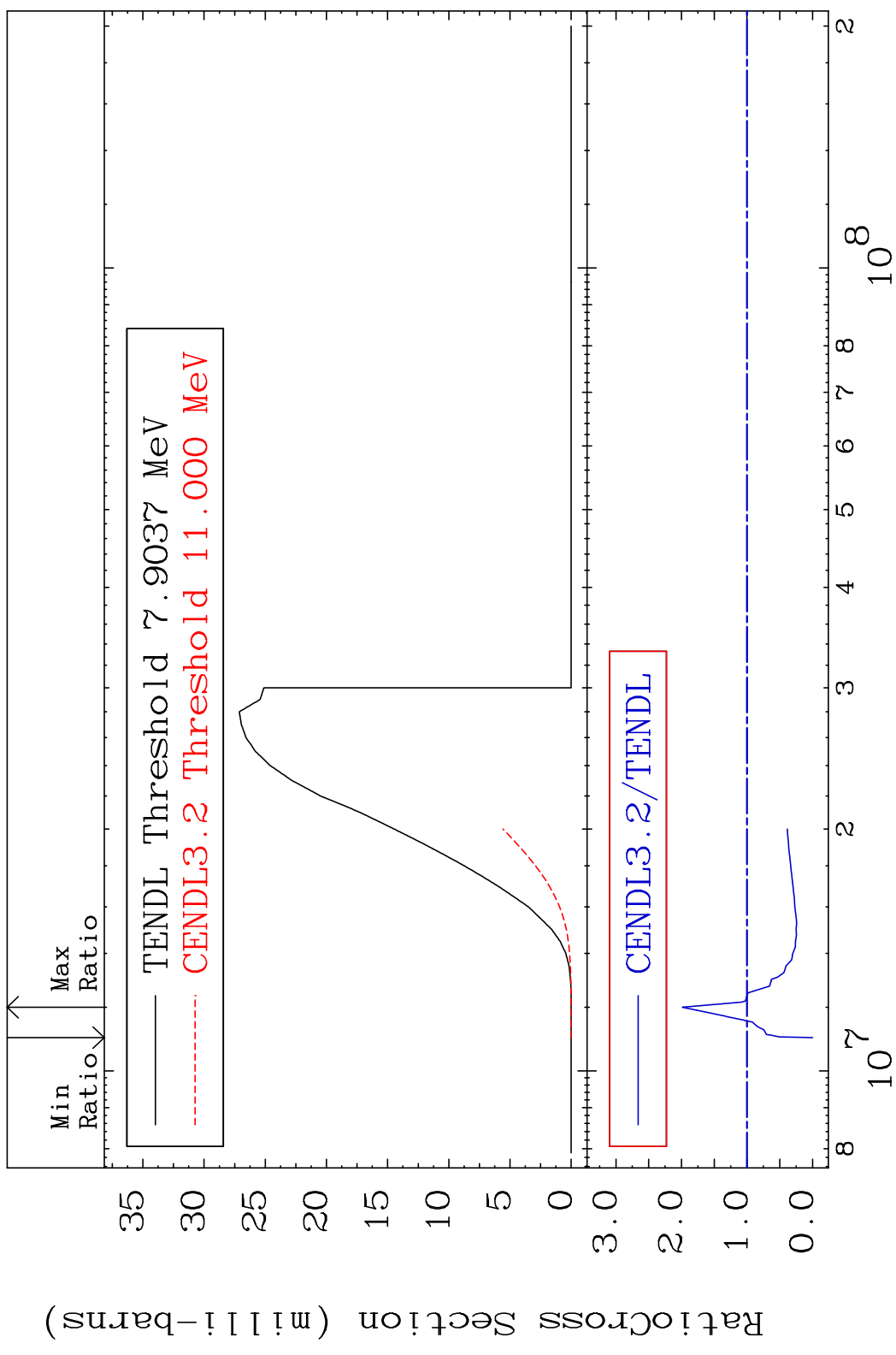


MAT 4443

(n, d)

44-Ru-102

Cross Section -100.0 To 98.65 %

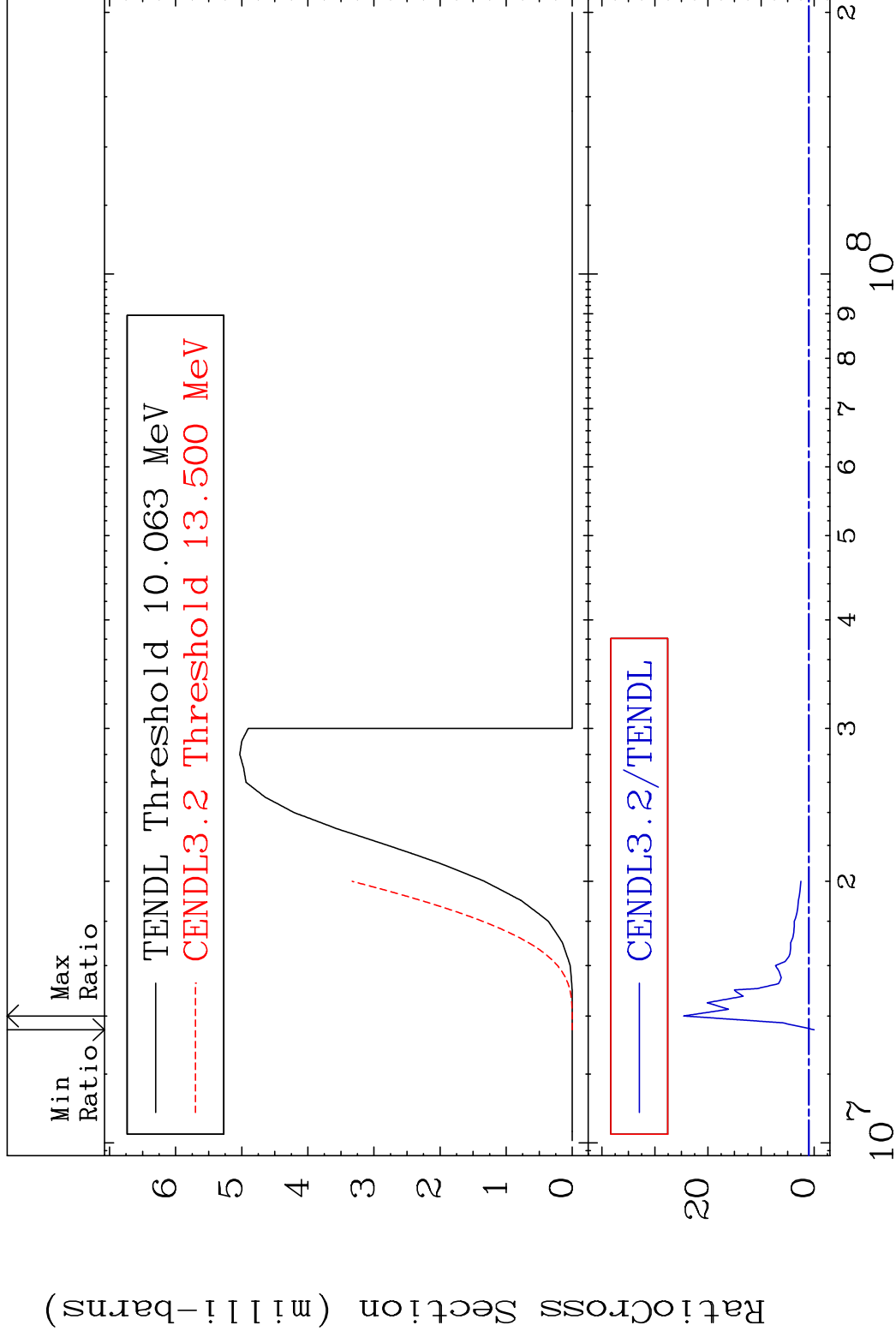


MAT 4443

(n, t)

44-Ru-102

Cross Section -100.0 To 2359. %



18

Incident Energy (eV)

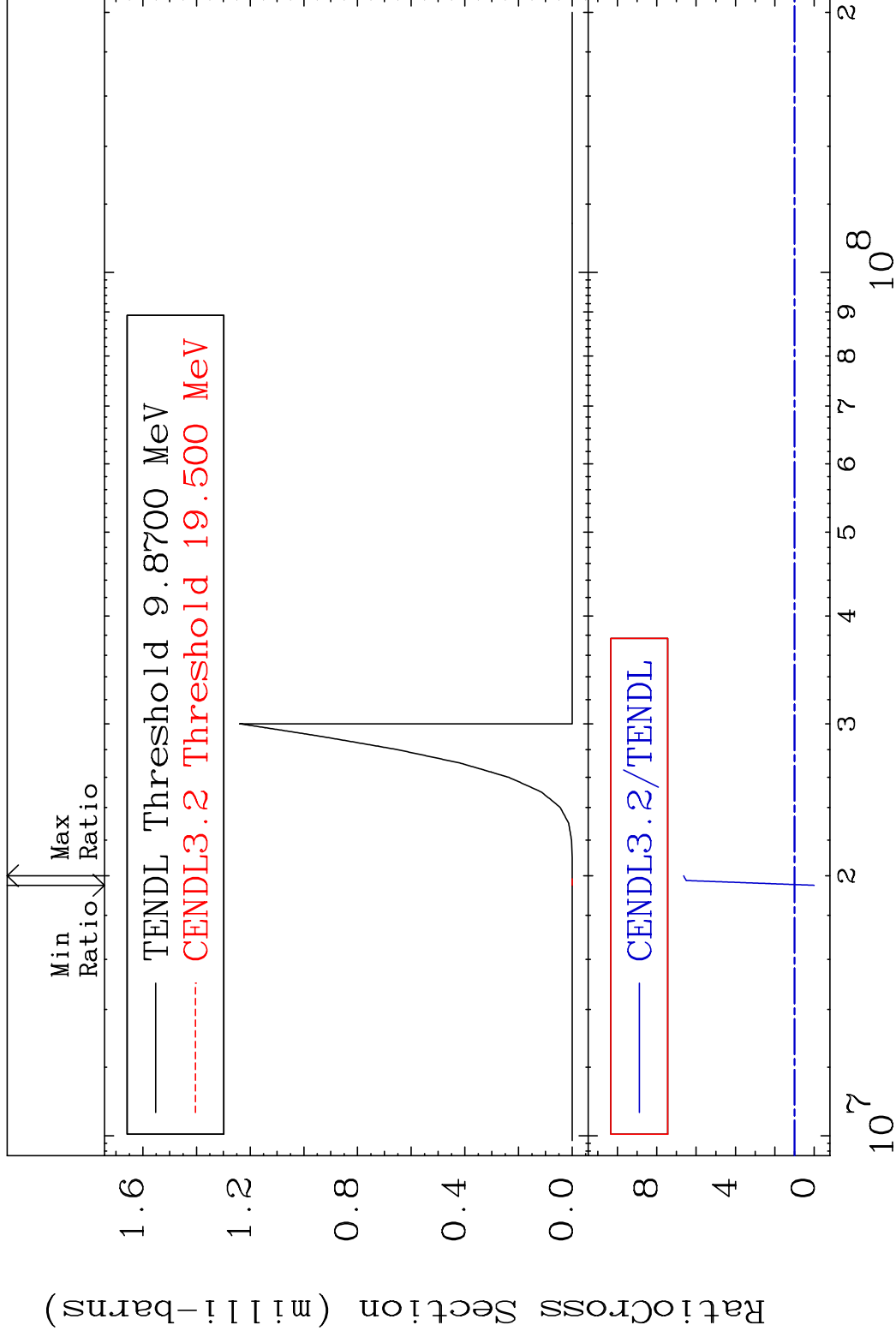
44-Ru-102

MAT 4443

(n, He-3)

44-Ru-102

Cross Section -100.0 To 563.5 %



19

Incident Energy (eV)

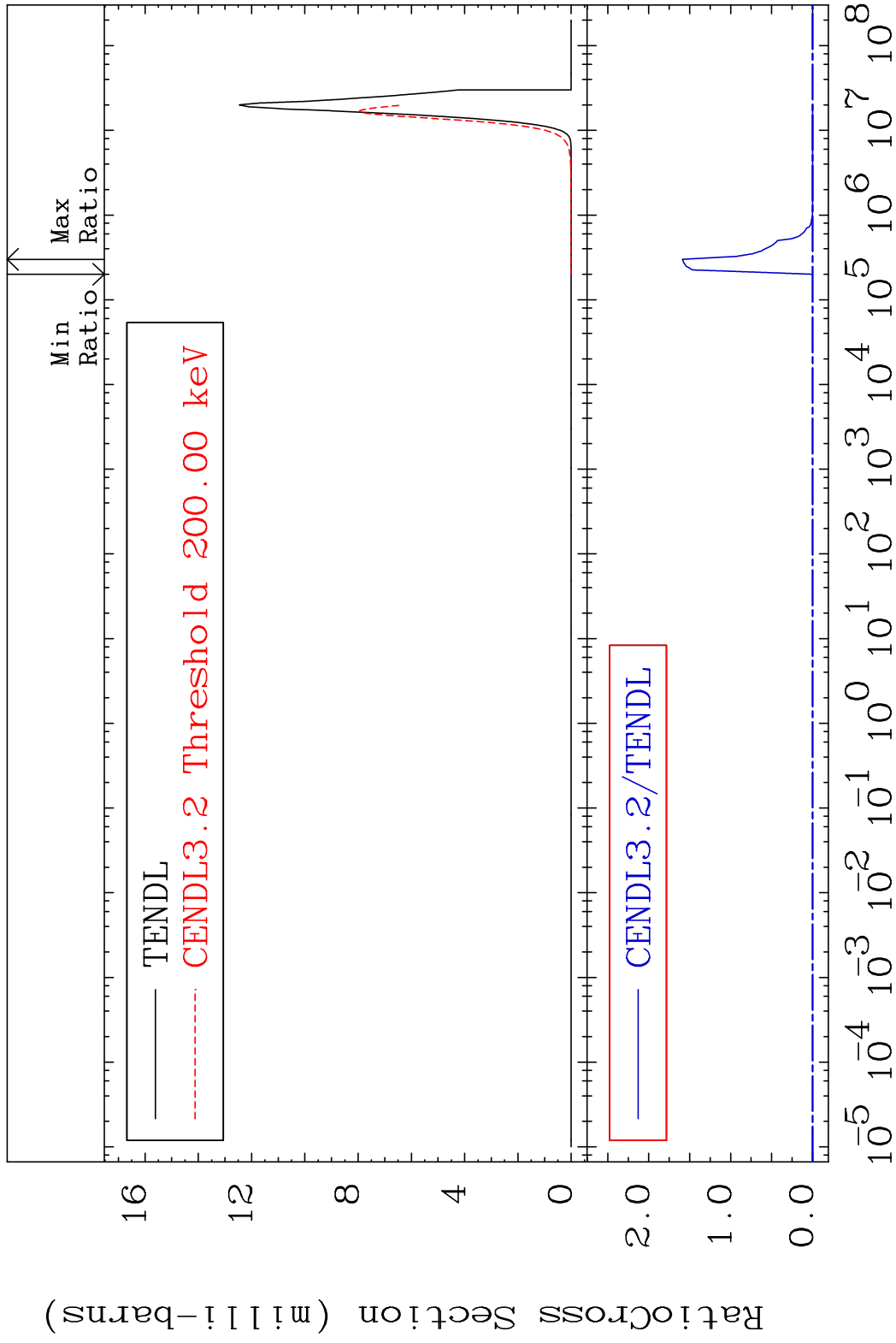
44-Ru-102

MAT 4443

(n, α)

44-Ru-102

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

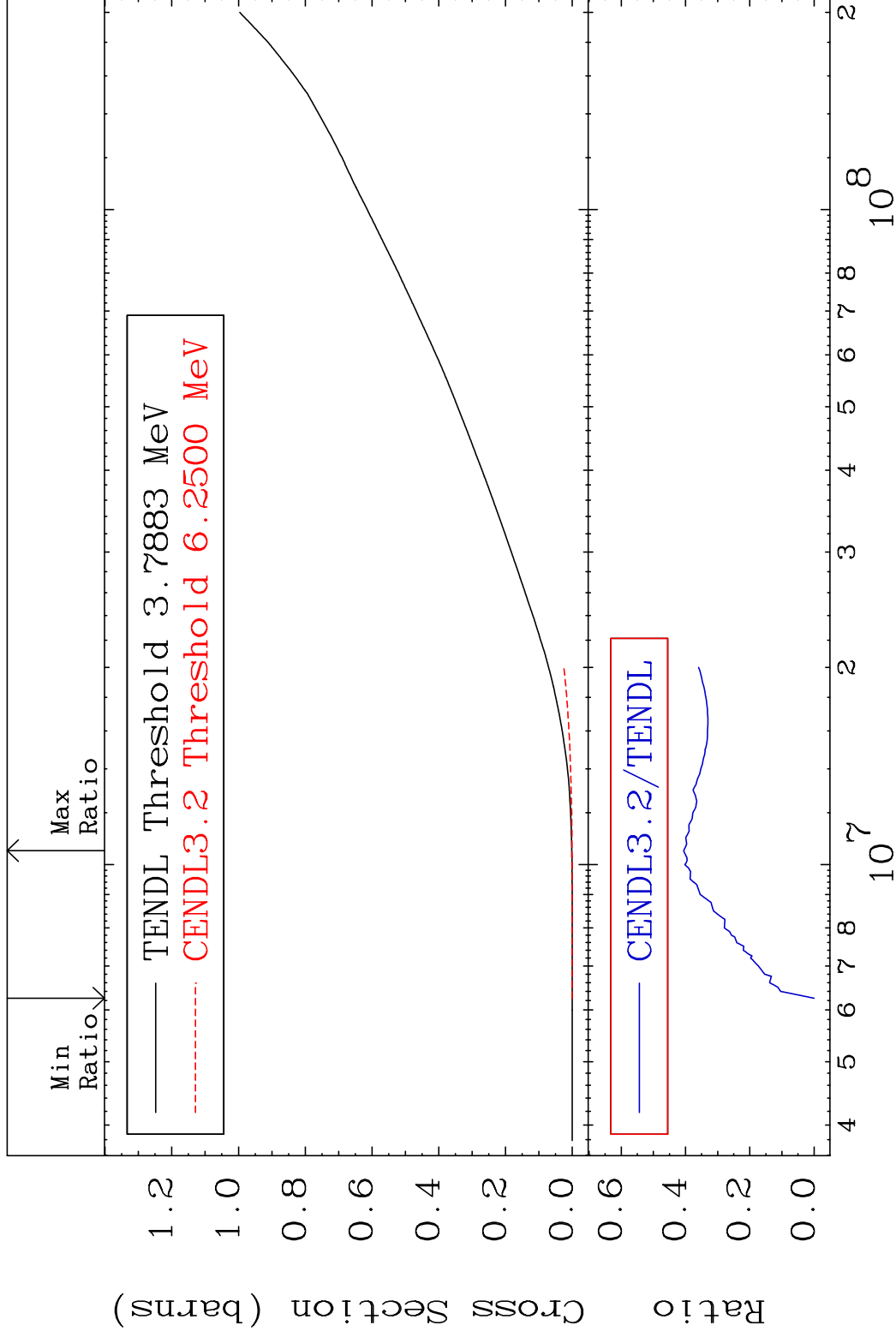
44-Ru-102

MAT 4443

Hydrogen Production

44-Ru-102

Cross Section -100.0 To -59.41%



21

Incident Energy (eV)

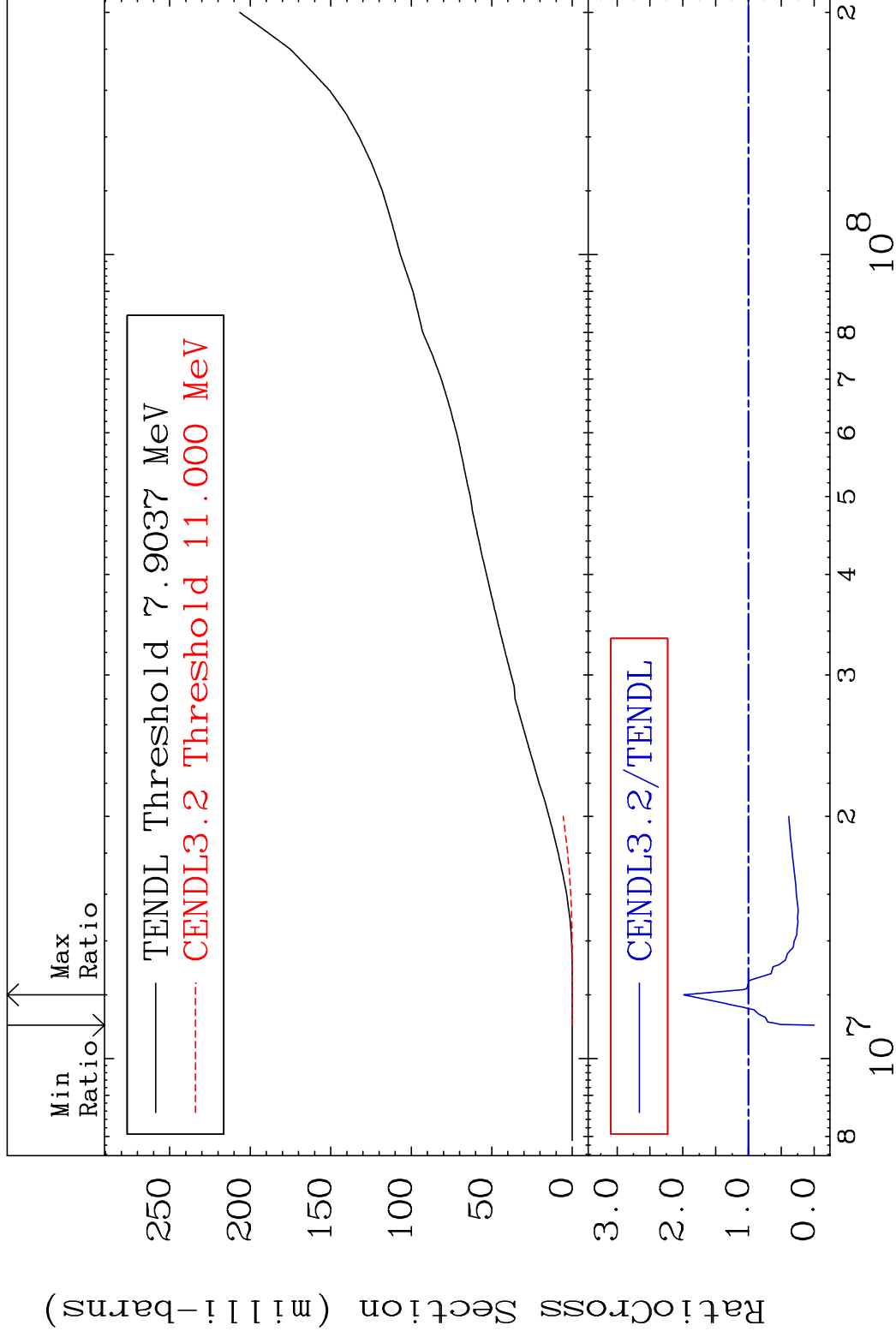
44-Ru-102

MAT 4443

Deuterium Production

44-Ru-102

Cross Section -100.0 To 98.65 %



22

Incident Energy (eV)

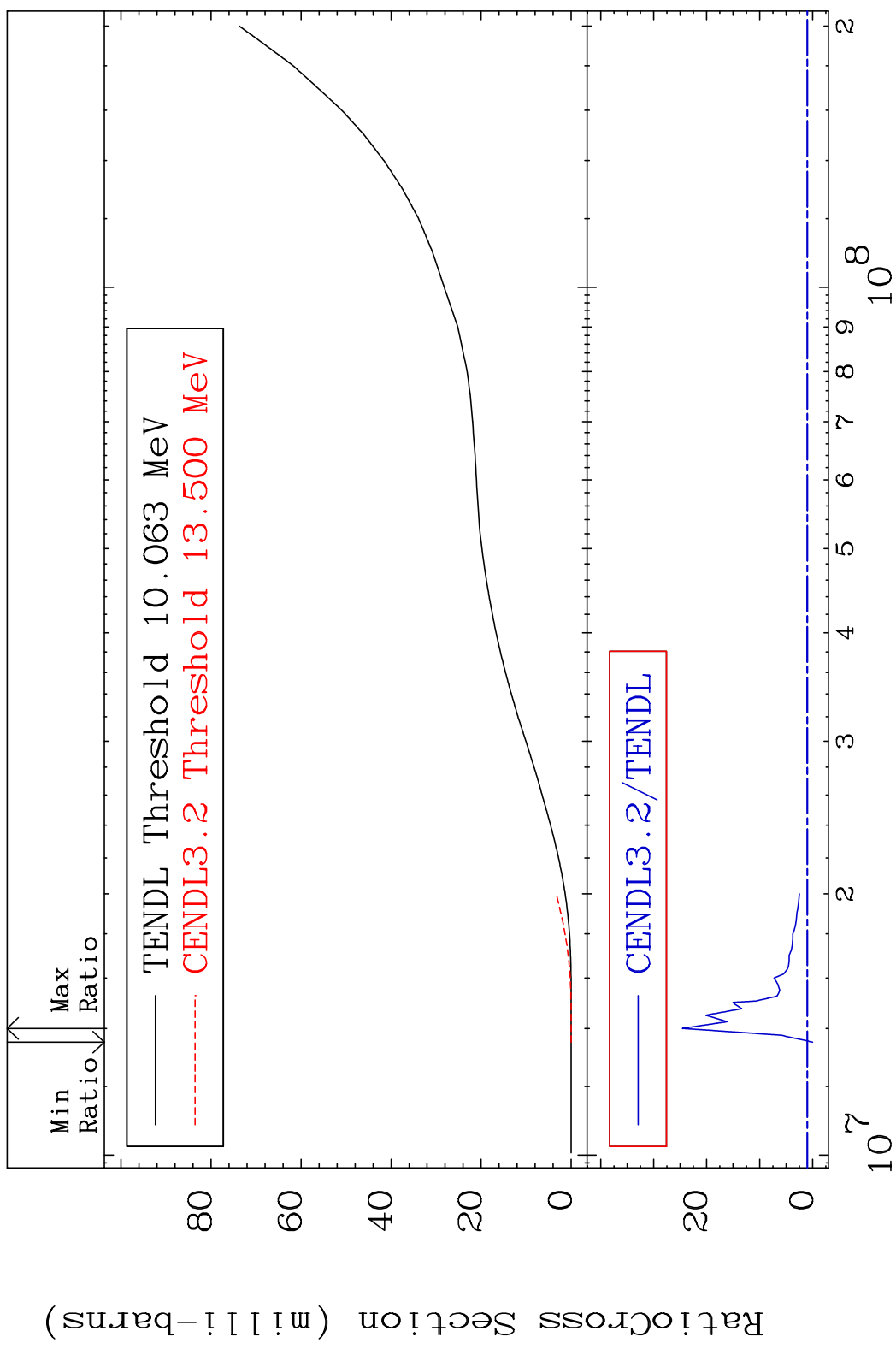
44-Ru-102

MAT 4443

Tritium Production

44-Ru-102

Cross Section -100.0 To 2359. %



23

Incident Energy (eV)

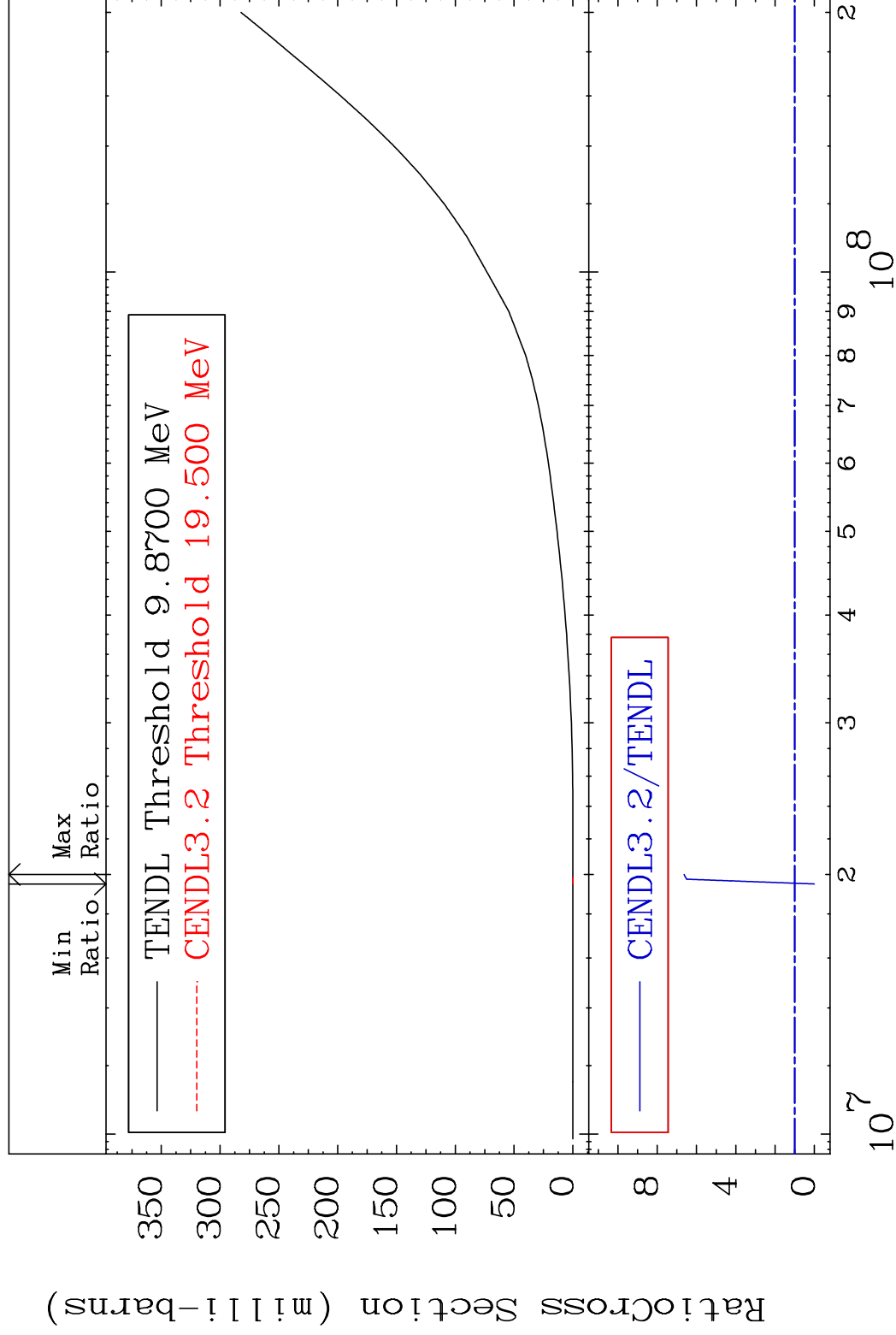
44-Ru-102

MAT 4443

He-3 Production

44-Ru-102

Cross Section -100.0 To 563.5 %



24

Incident Energy (eV)

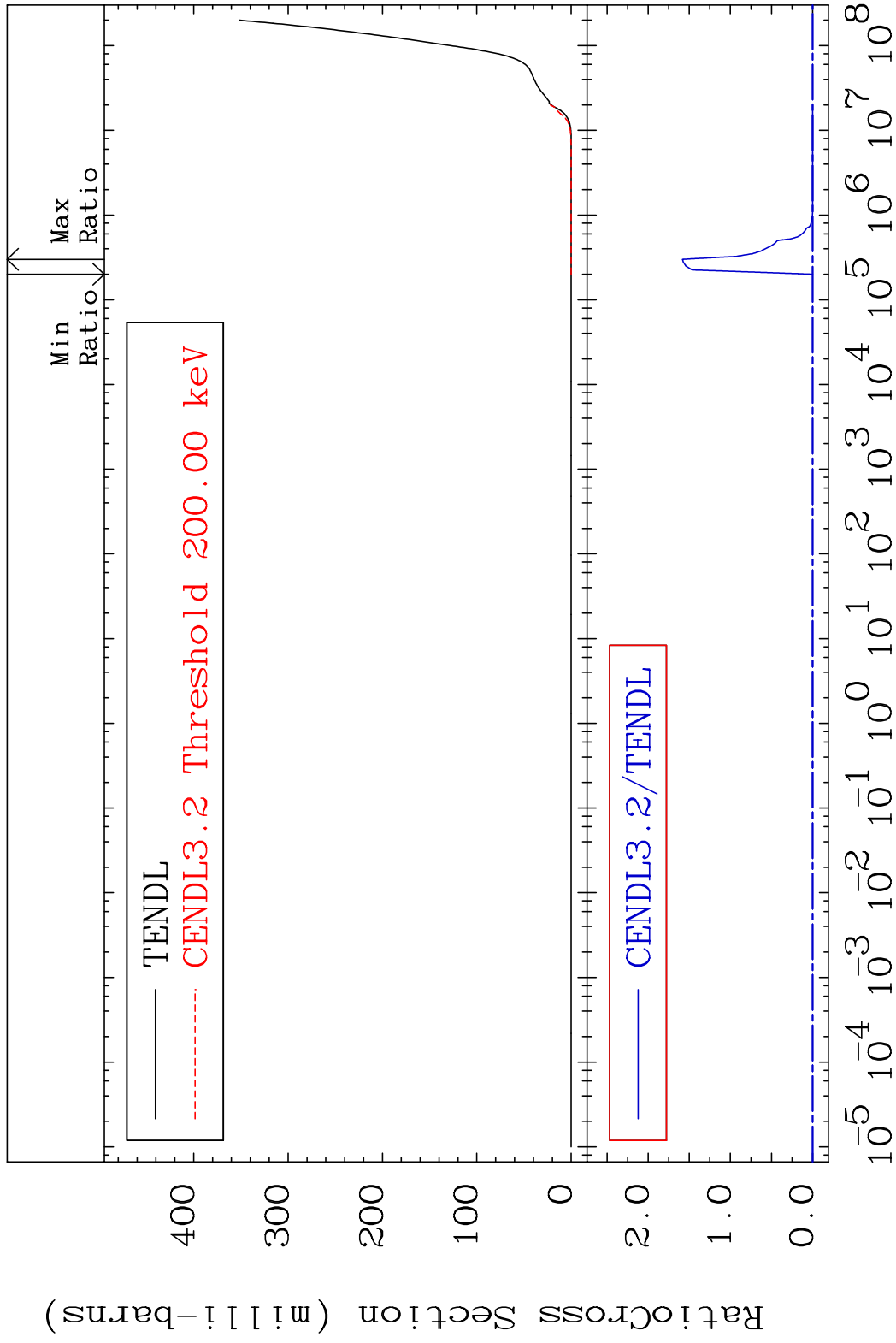
44-Ru-102

MAT 4443

He-4 Production

44-Ru-102

Cross Section -100.0 To 9999. %

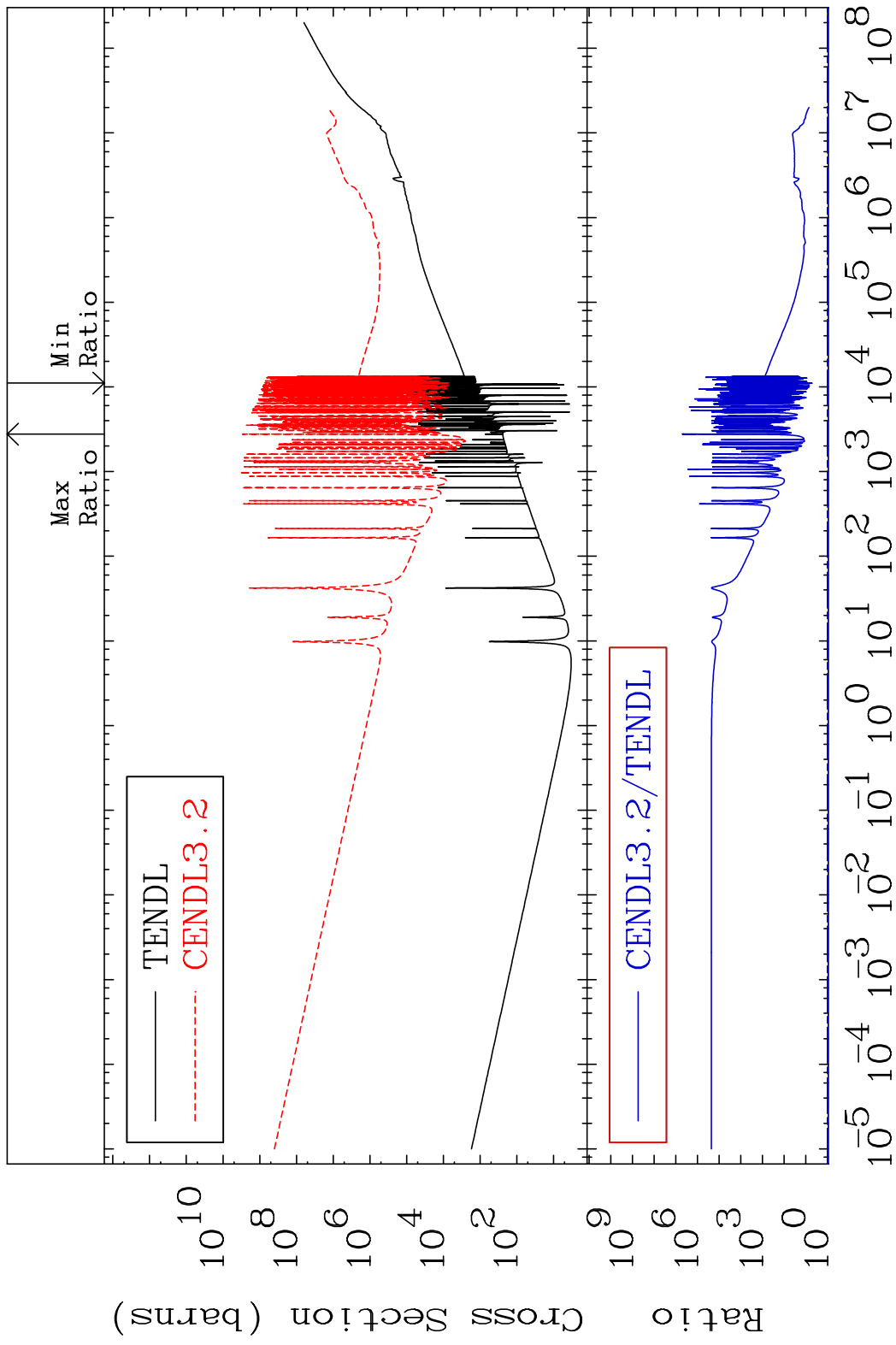


25

Incident Energy (eV)

44-Ru-102

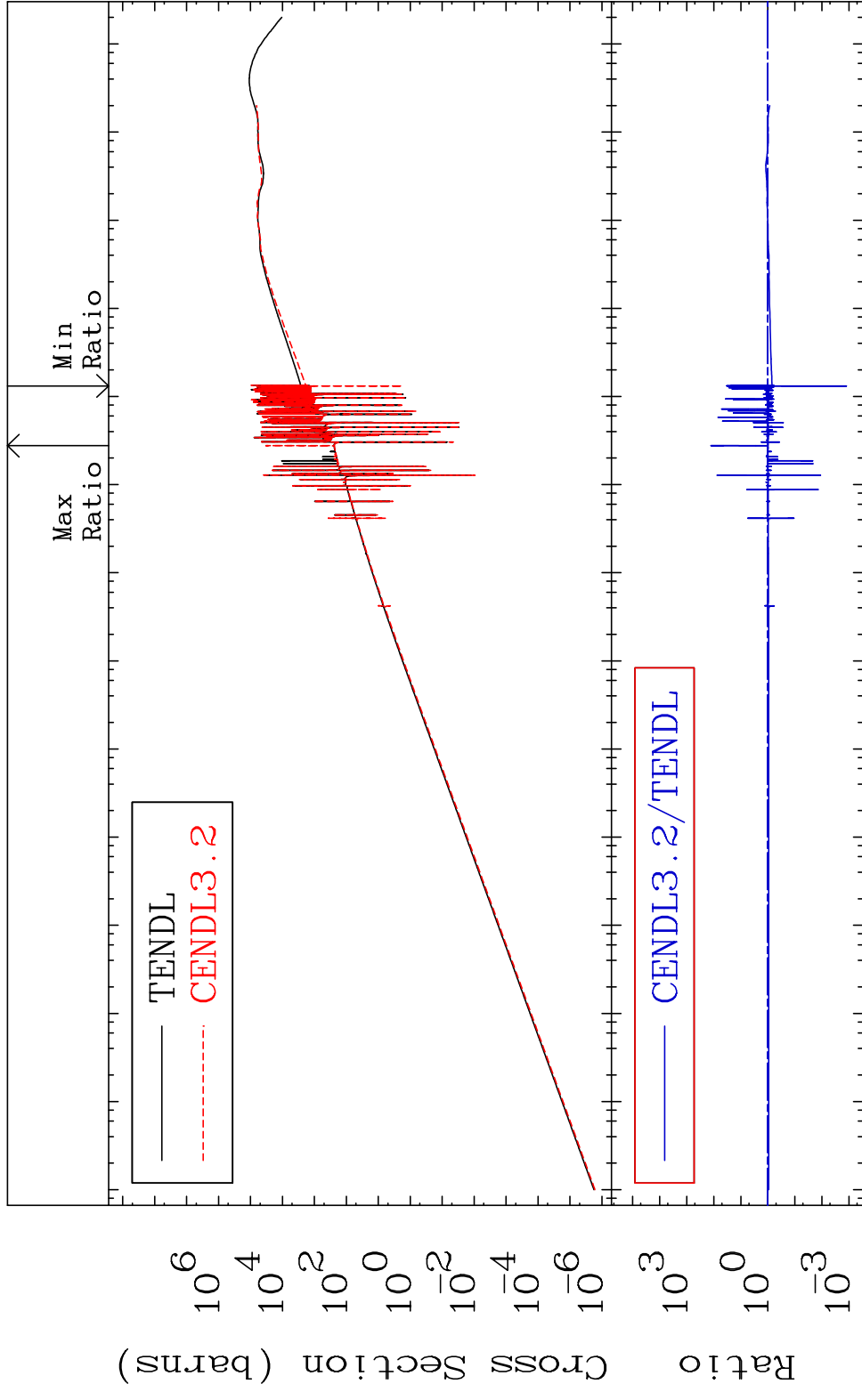
MAT 4443 Kerma total (eV-barns) 44-Ru-102
 Cross Section 391.8 To 9999. %



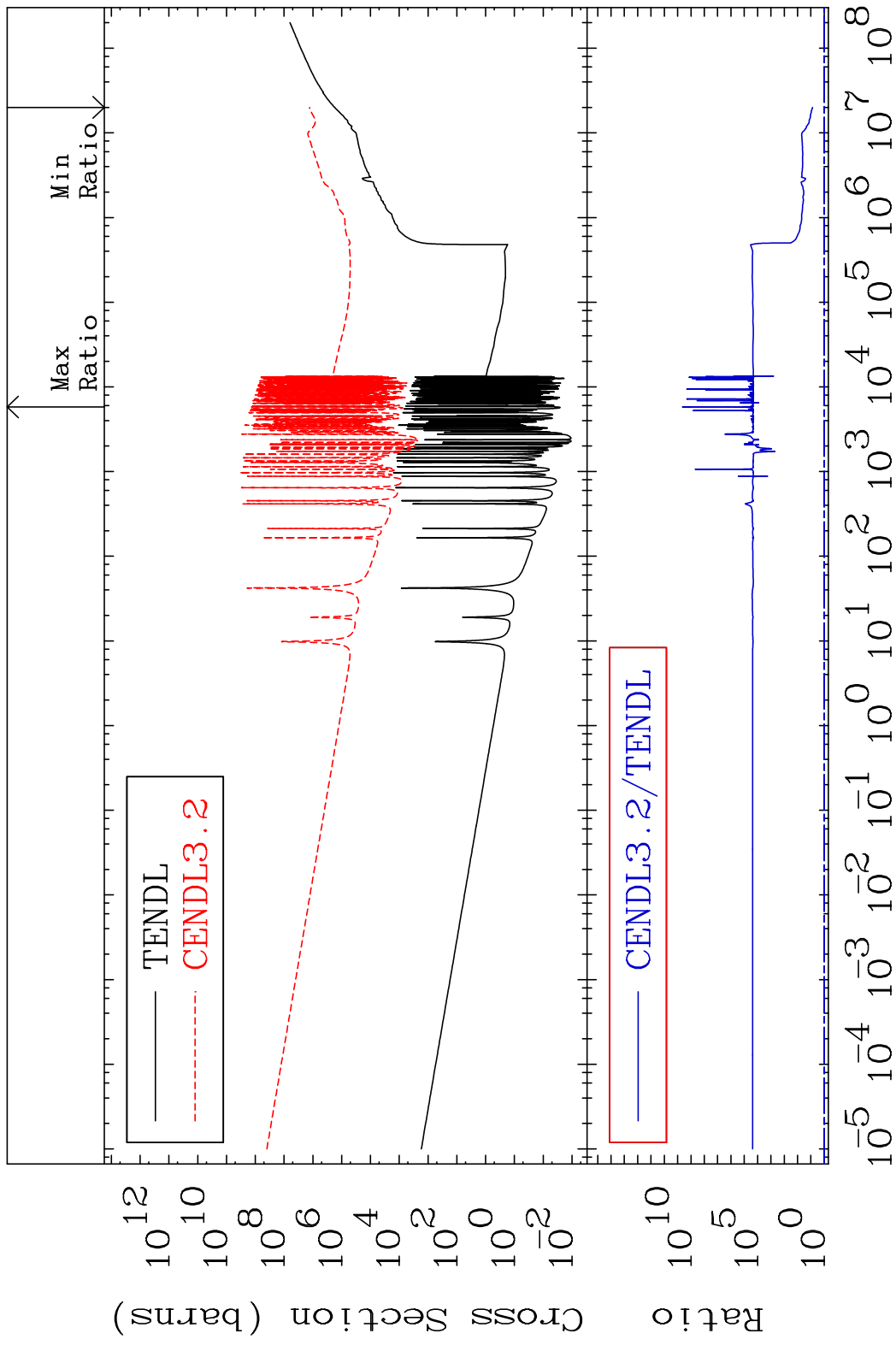
MAT 4443

Kerma elastic
Cross Section

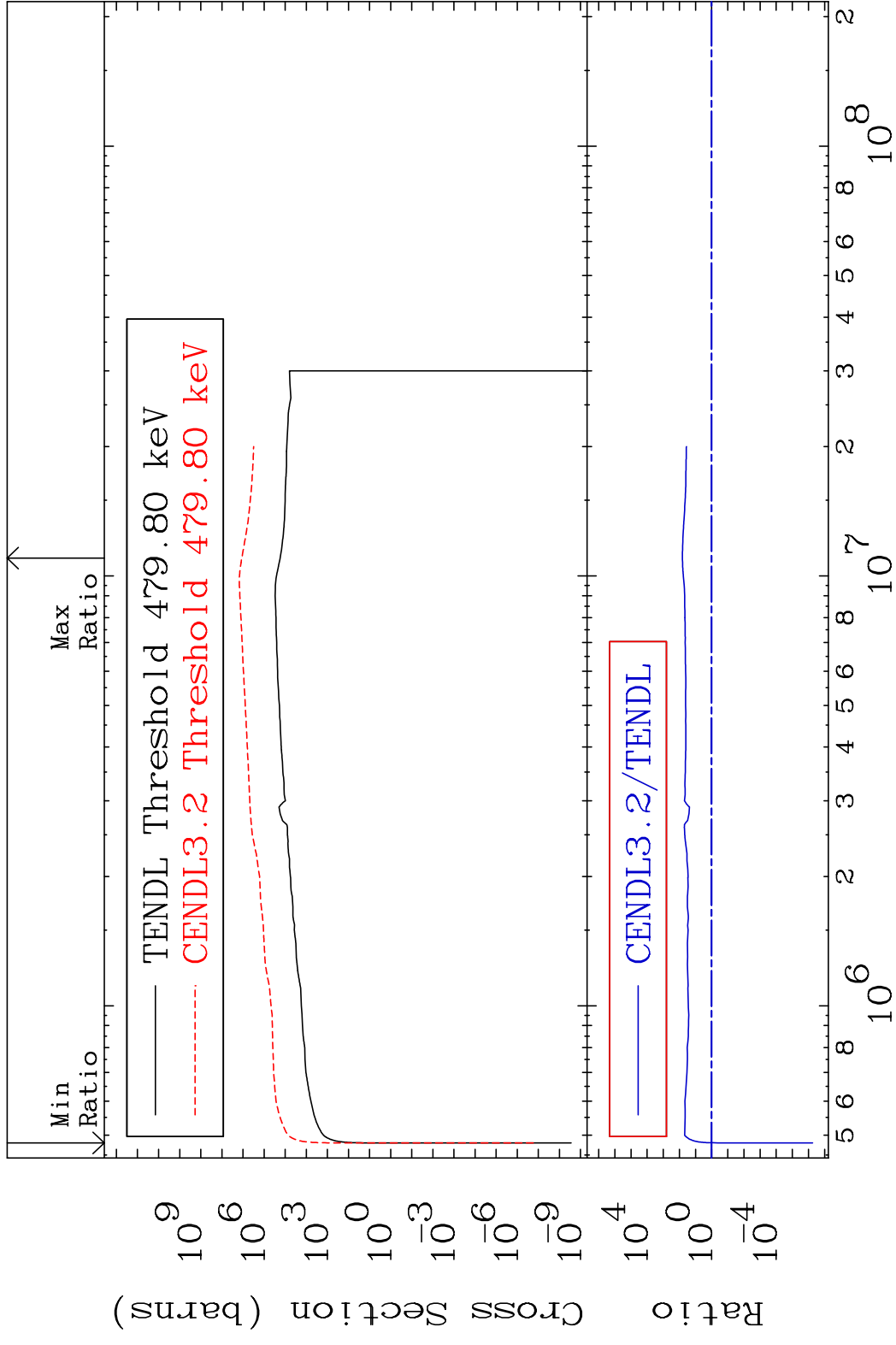
44-Ru-102
-99.87 To 9999. %



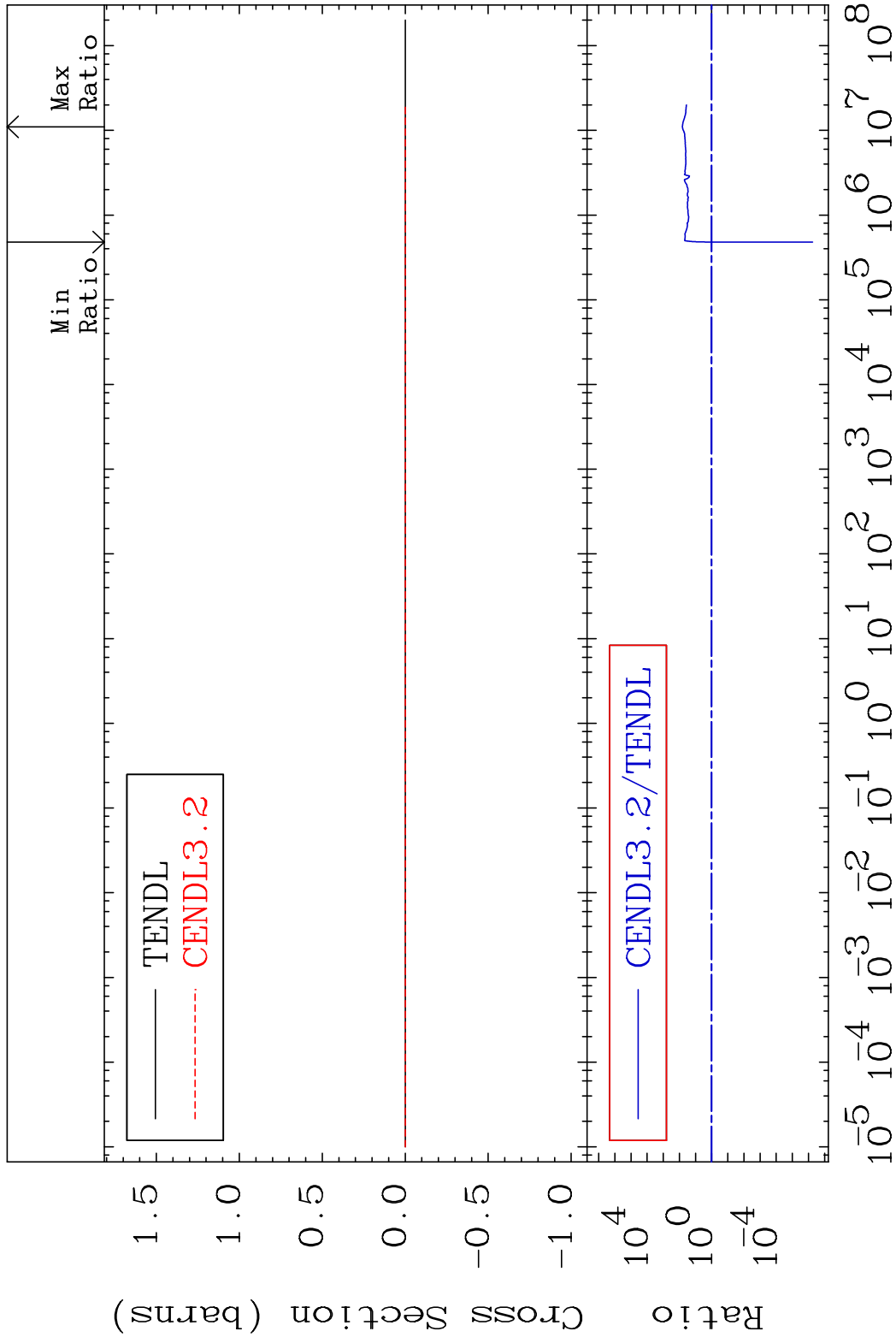
MAT 4443 Kerma non-elastic (all but mt2) 44-Ru-102
 Cross Section 646.4 To 9999. %



MAT 4443 Kerma inelastic (mt51-91) 44-Ru-102
 Cross Section -100.0 To 6468. %

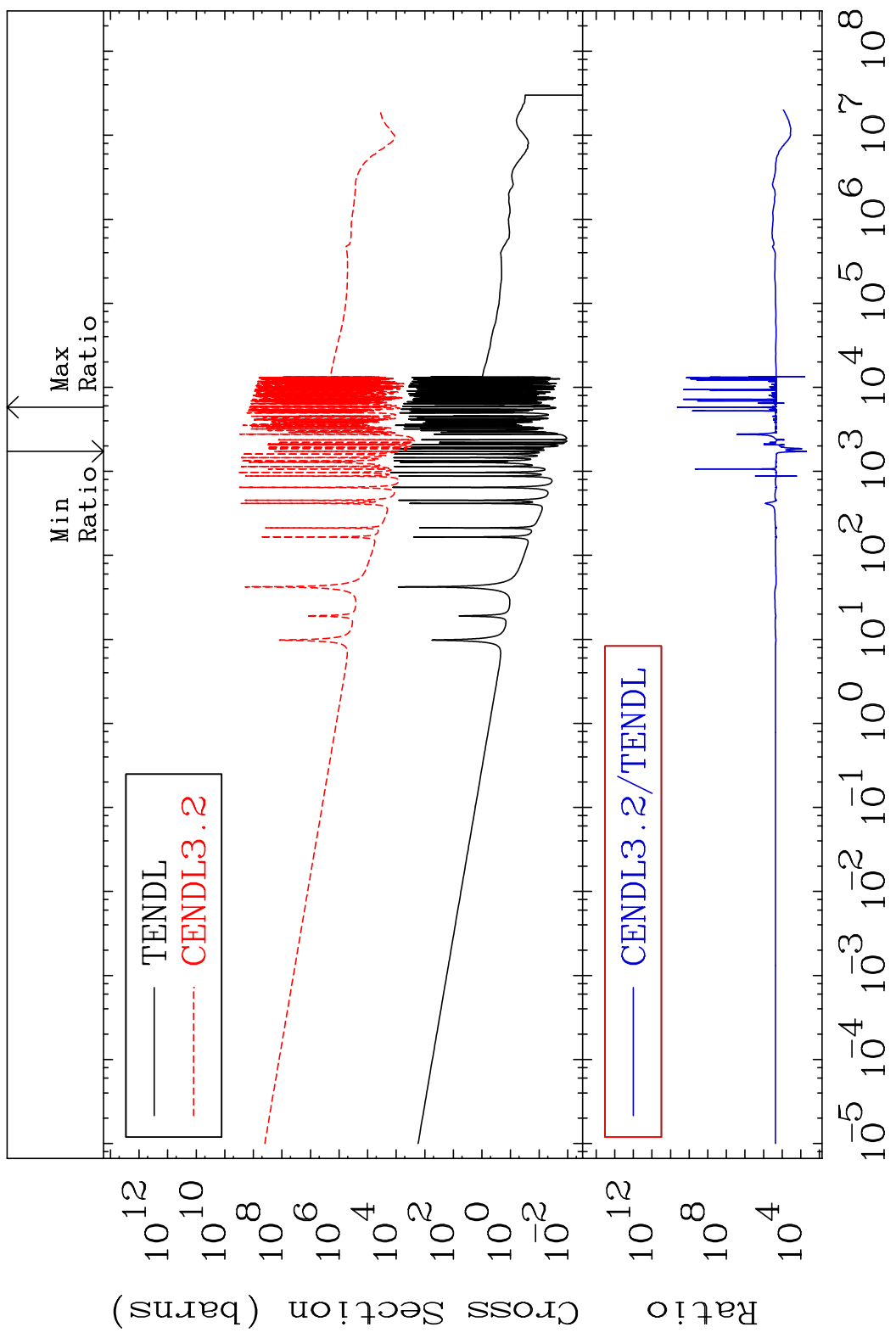


MAT 4443 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-102
 Cross Section -100.0 To 6468. %

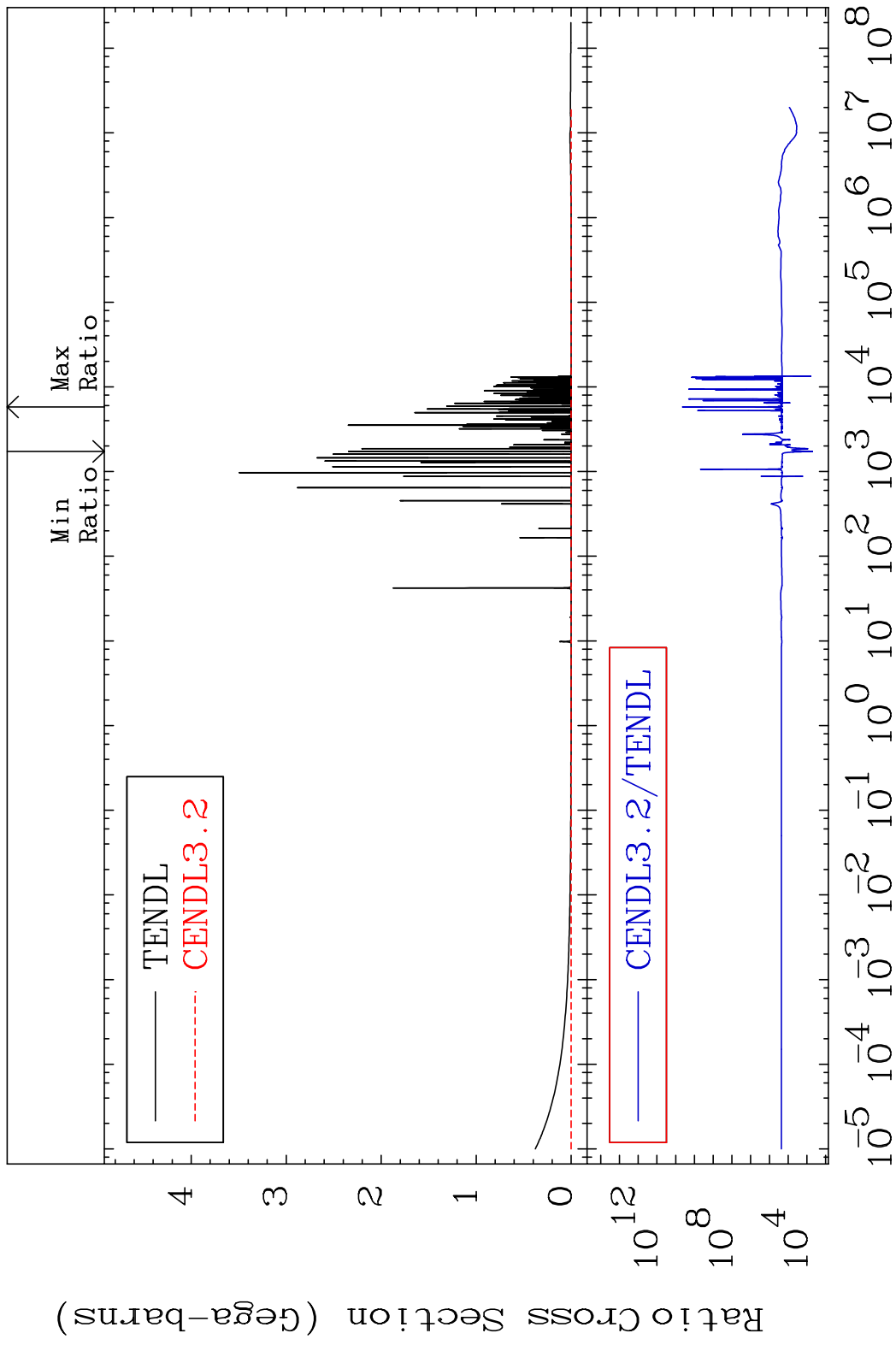


MAT 4443

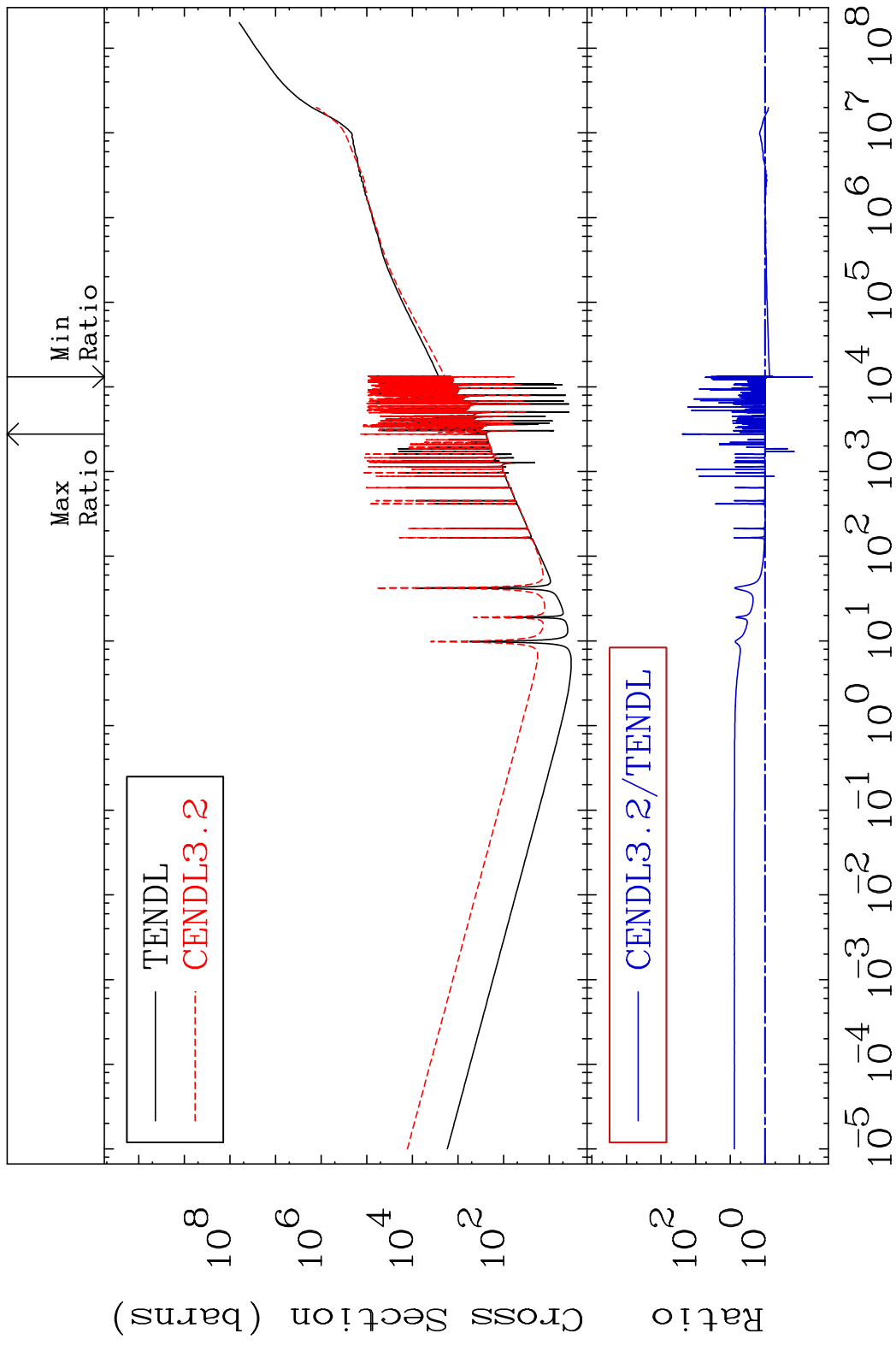
Kerma capture (mt102) 44-Ru-102
Cross Section 9999. To 9999. %



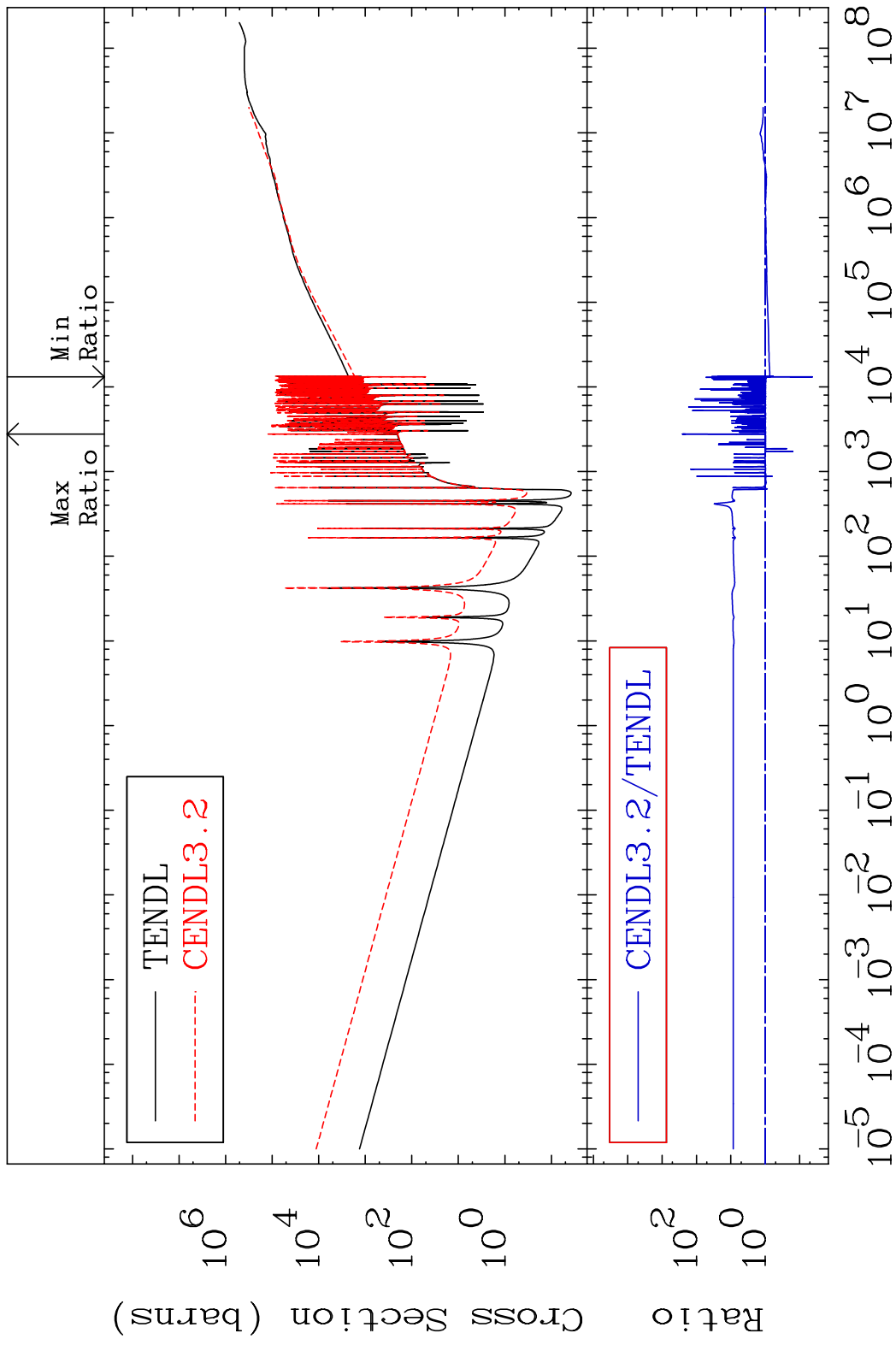
MAT 4443 Total photon (eV-barns) 44-Ru-102
 Cross Section 9999. To 9999. %



MAT 4443 Total kinematic kerma (high limit) 44-Ru-102
 Cross Section -95.82 To 9999. %



MAT 4443 Dpa total (eV-barns) 44-Ru-102
 Cross Section -95.81 To 9999. %

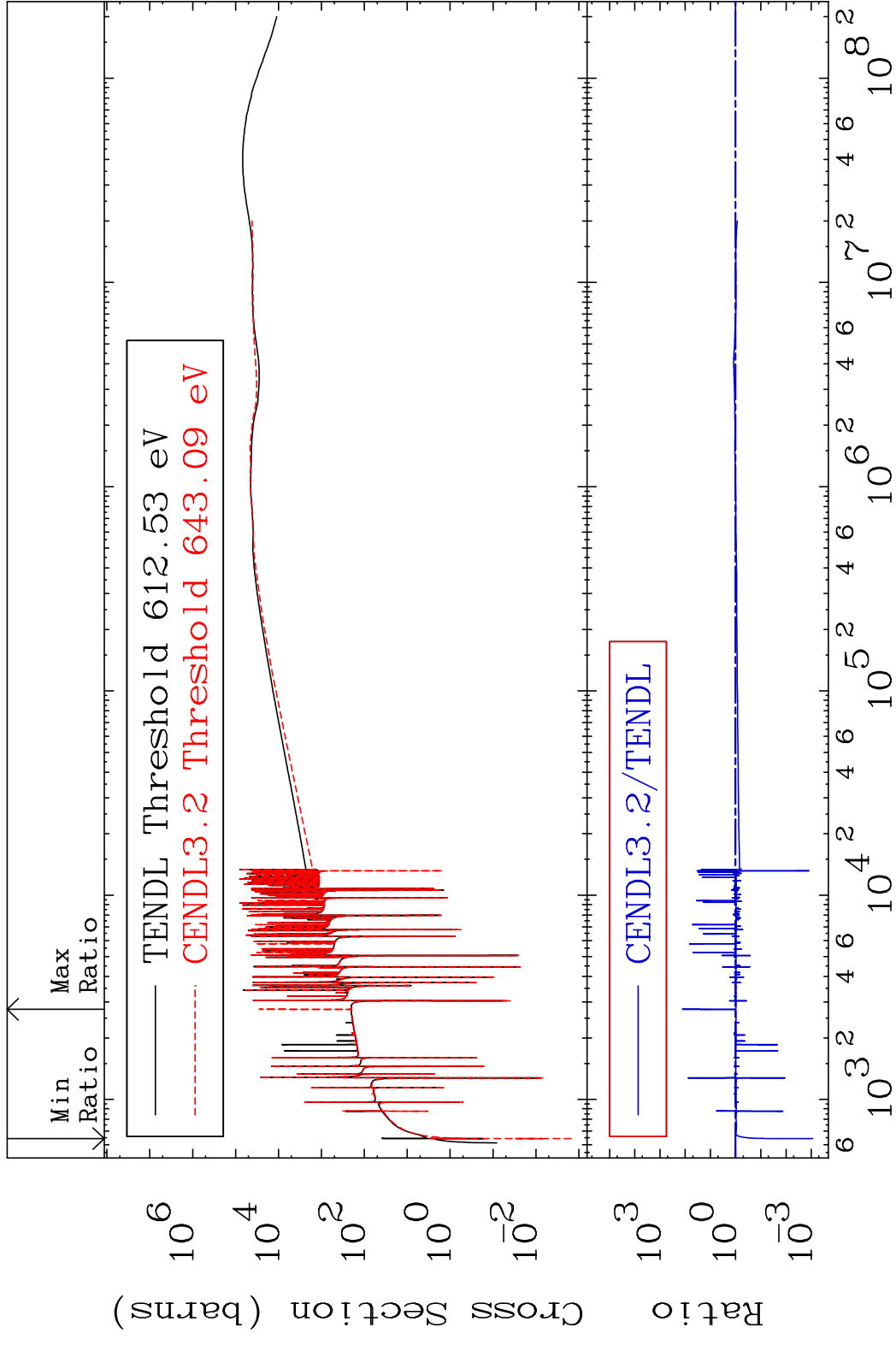


MAT 4443

Dpa elastic (mt2)

44-Ru-102

Cross Section -99.91 To 9999. %

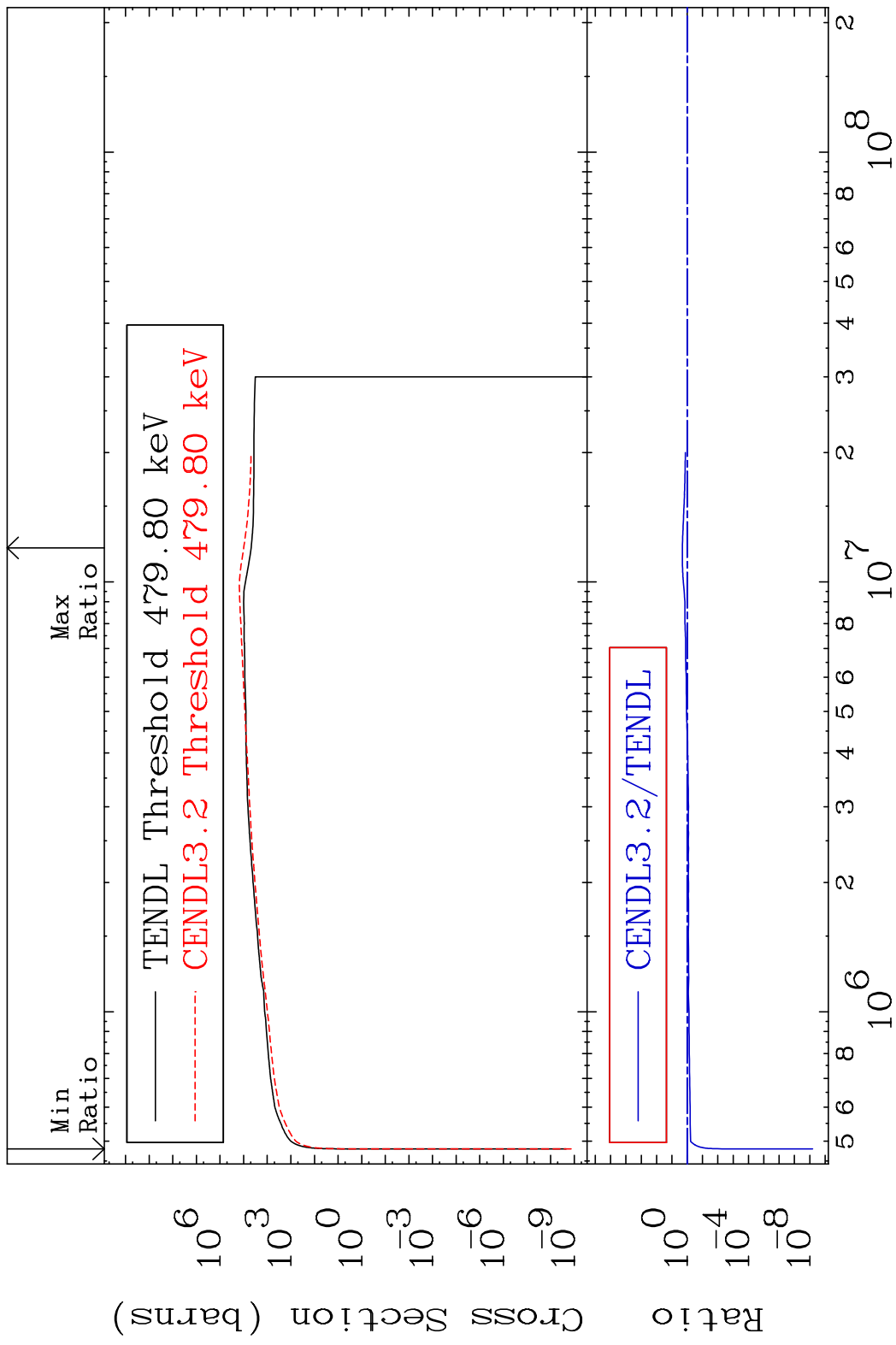


35

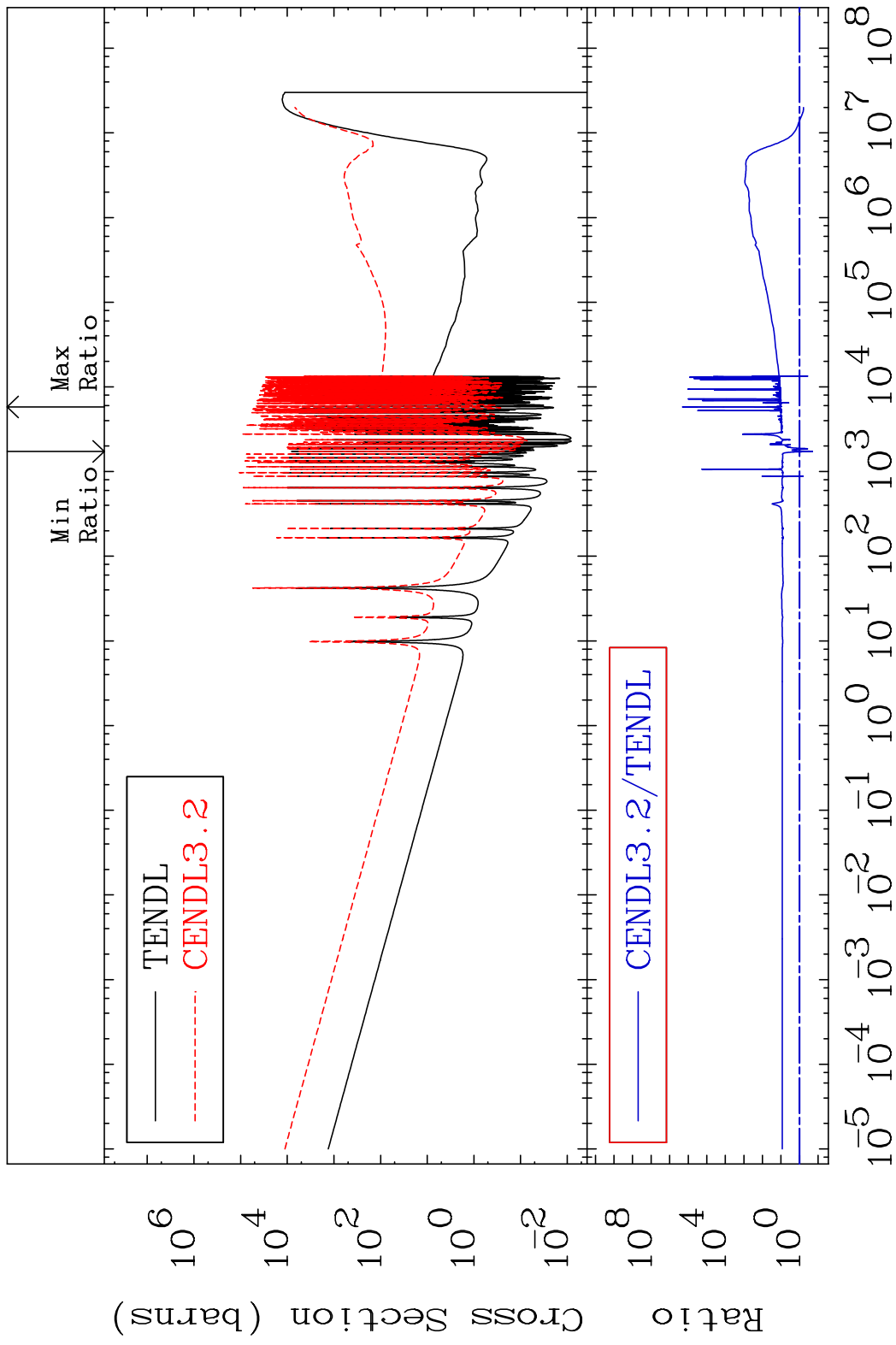
Incident Energy (eV)

44-Ru-102

MAT 4443 Dpa inelastic (mt51-91) 44-Ru-102
 Cross Section -100.0 To 107.4 %



MAT 4443 Dpa disappearance (mt102 -120) 44-Ru-102
 Cross Section -80.11 To 9999. %

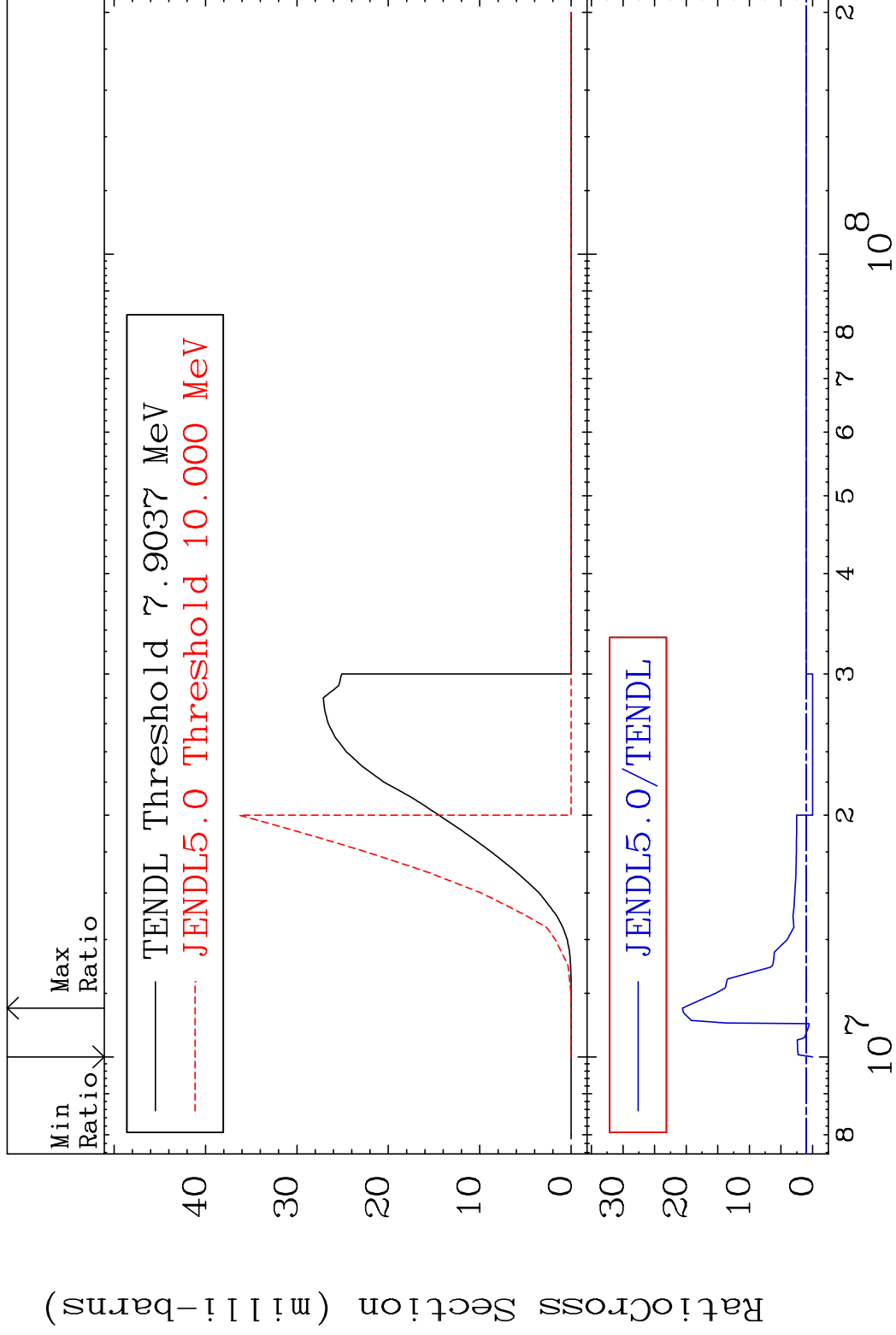


MAT 4443

(n,d)

44-Ru-102

Cross Section -100.0 To 1961. %



38

Incident Energy (eV)

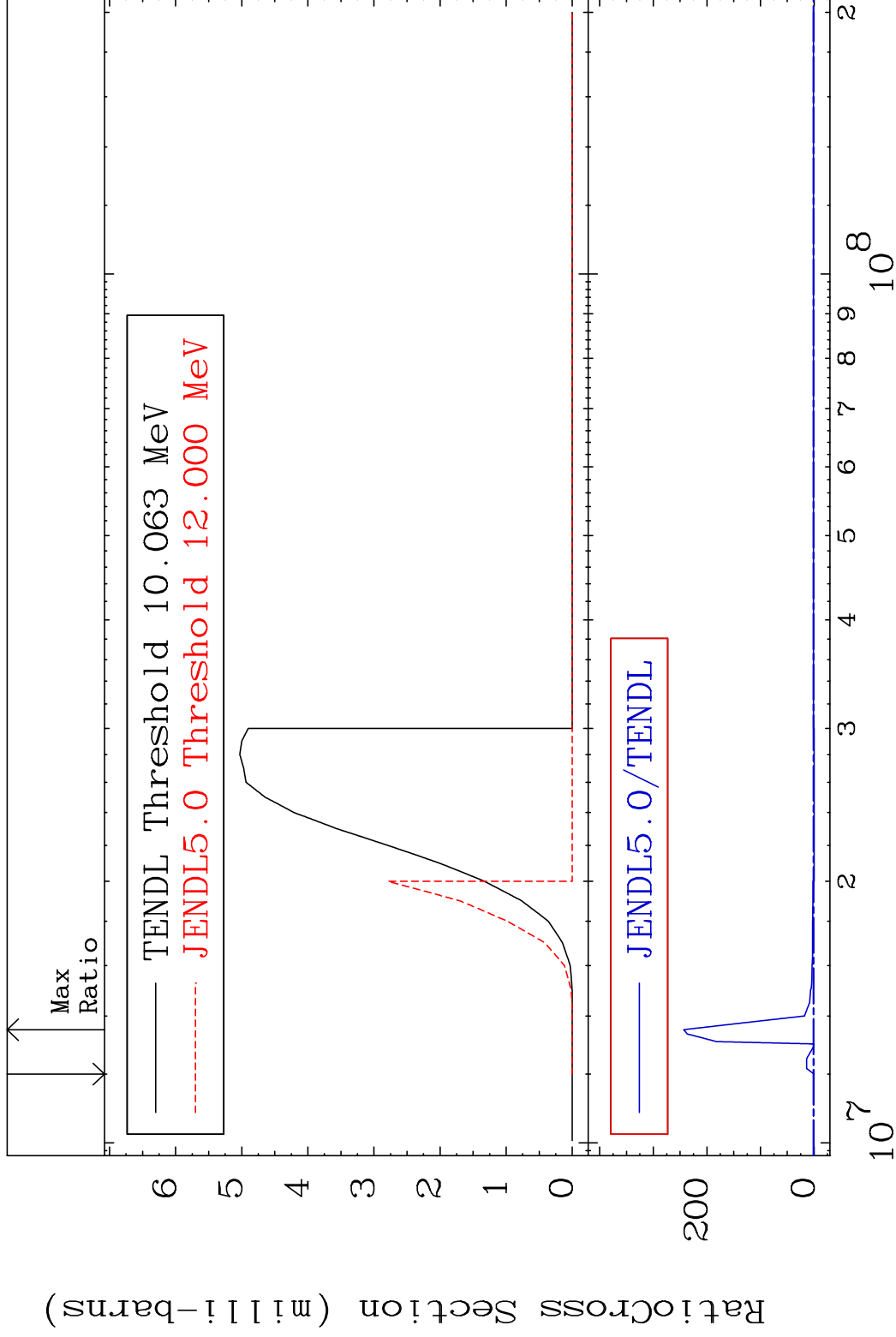
44-Ru-102

MAT 4443

(n, t)

44-Ru-102

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

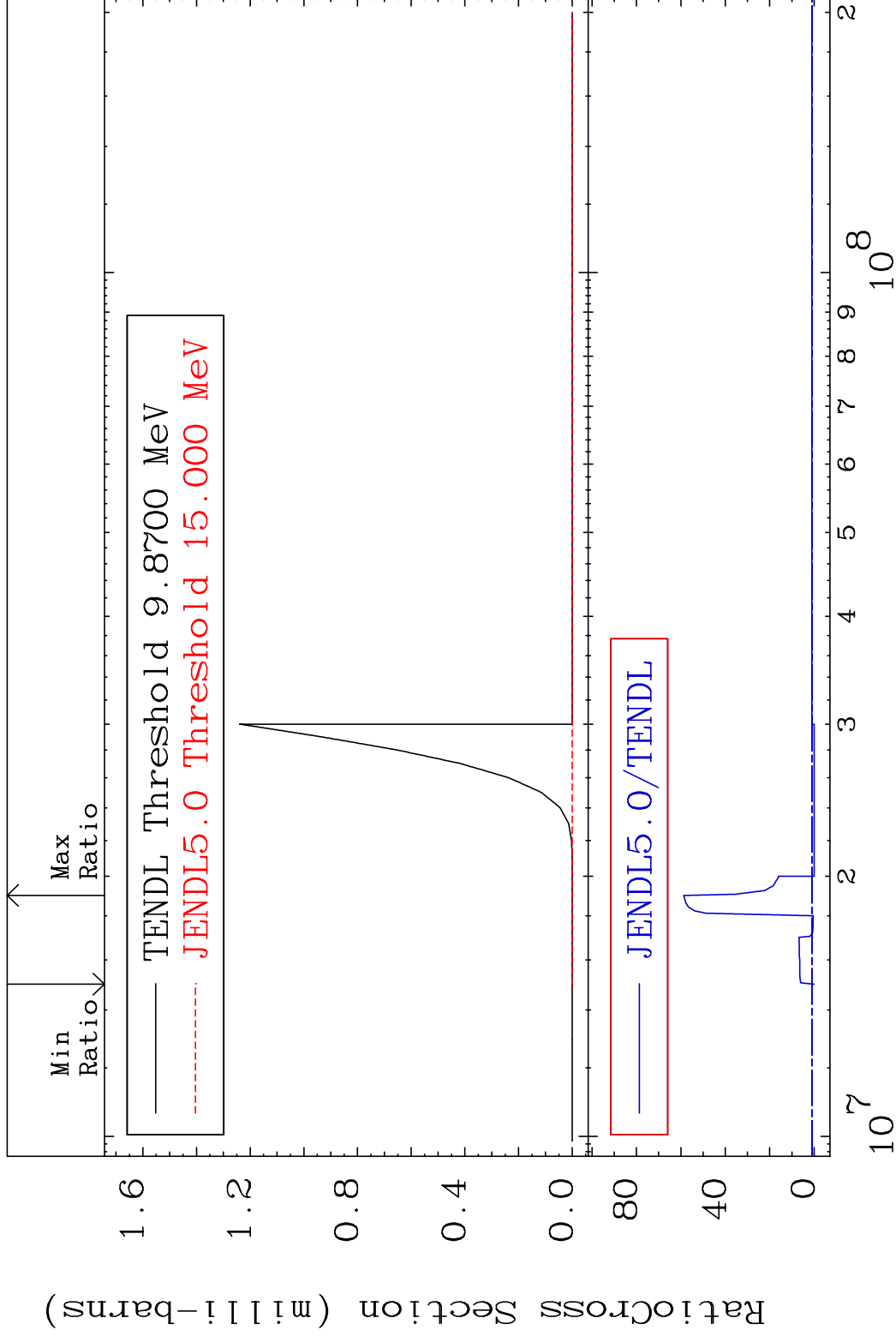
44-Ru-102

MAT 4443

(n, He-3)

44-Ru-102

Cross Section -100.0 To 5774. %



40

Incident Energy (eV)

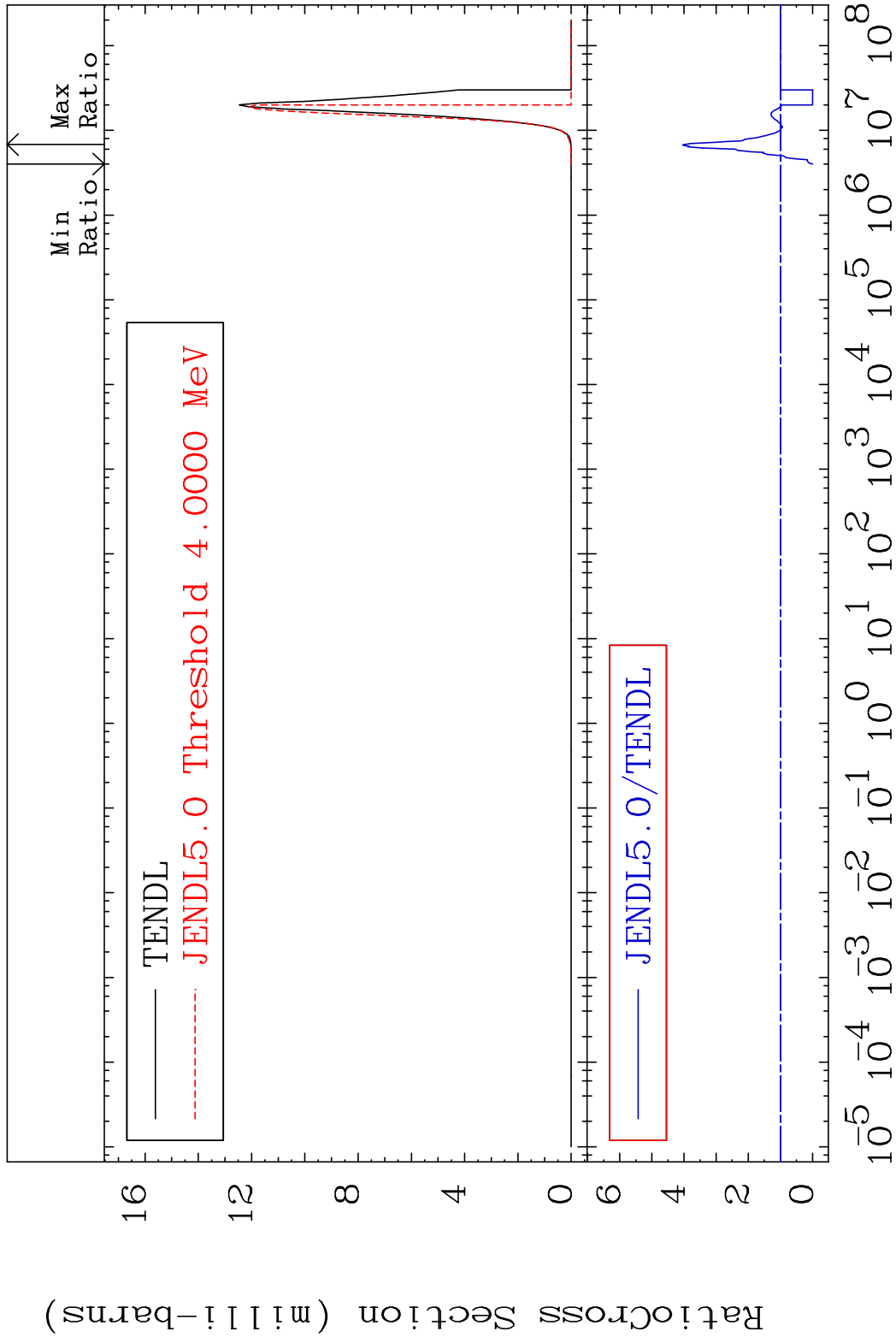
44-Ru-102

MAT 4443

(n, α)

44-Ru-102

Cross Section -100.0 To 305.1 %

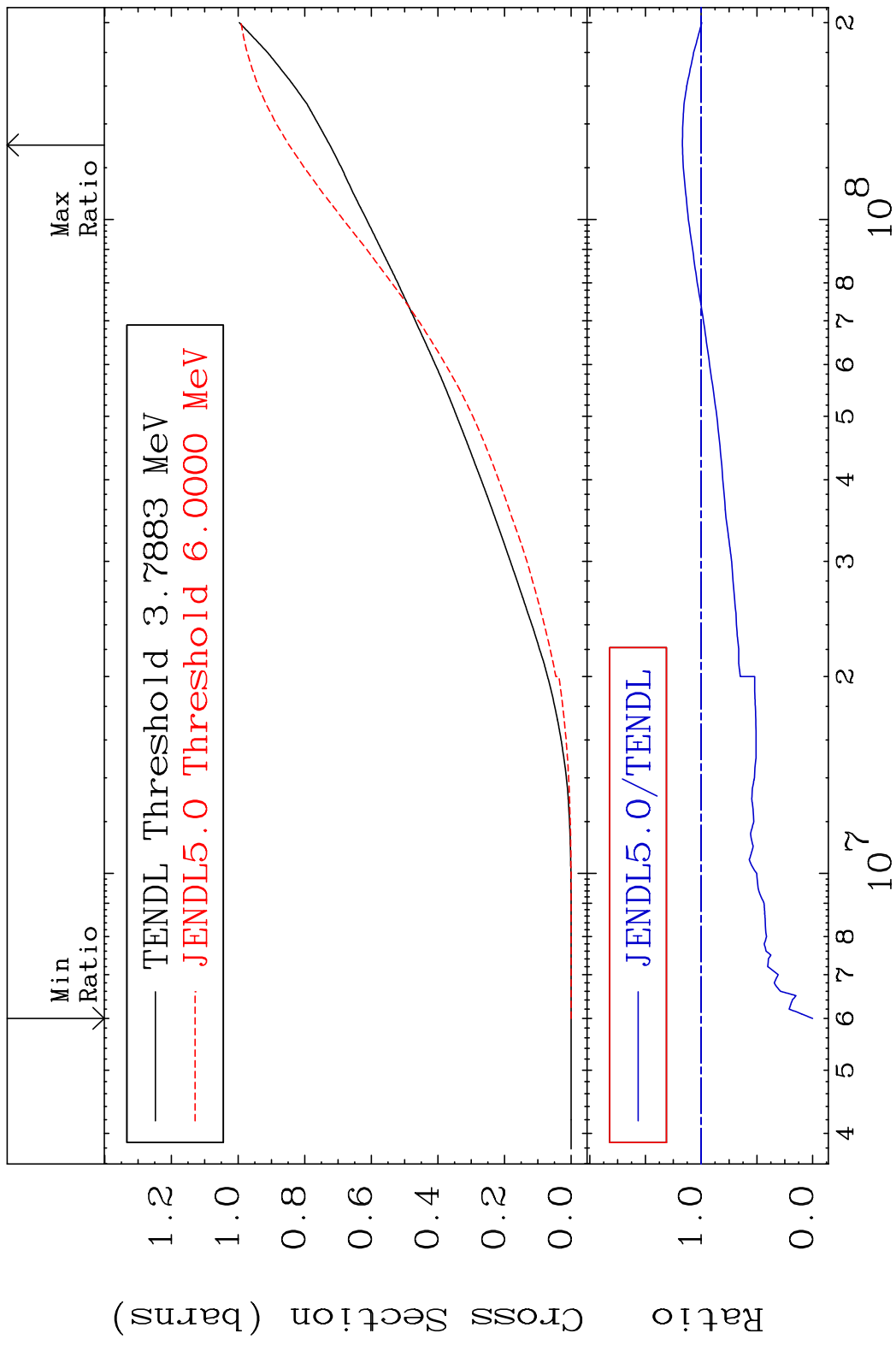


41

Incident Energy (eV)

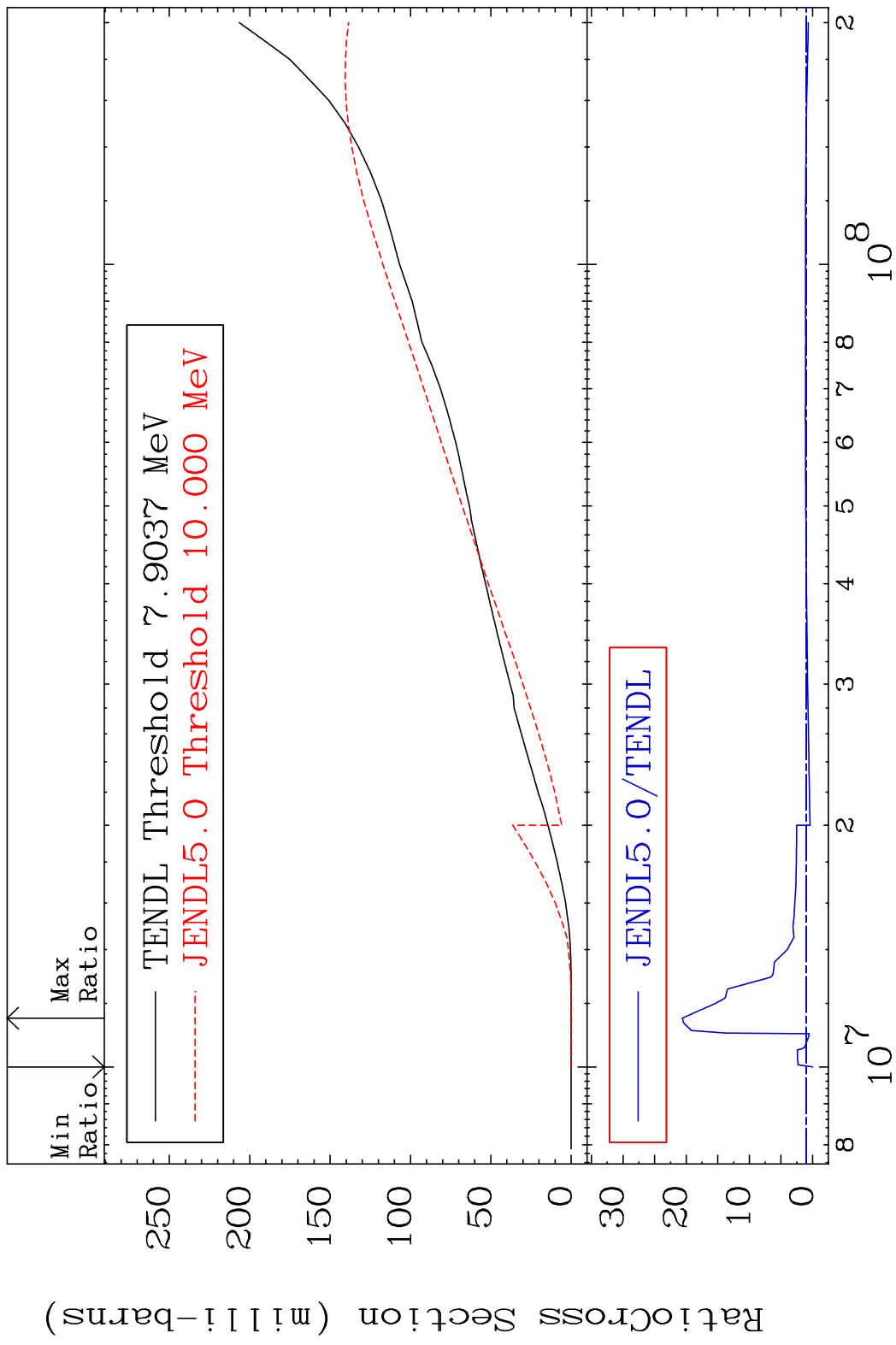
44-Ru-102

MAT 4443 Hydrogen Production 44-Ru-102
 Cross Section -100.0 To 16.91 %

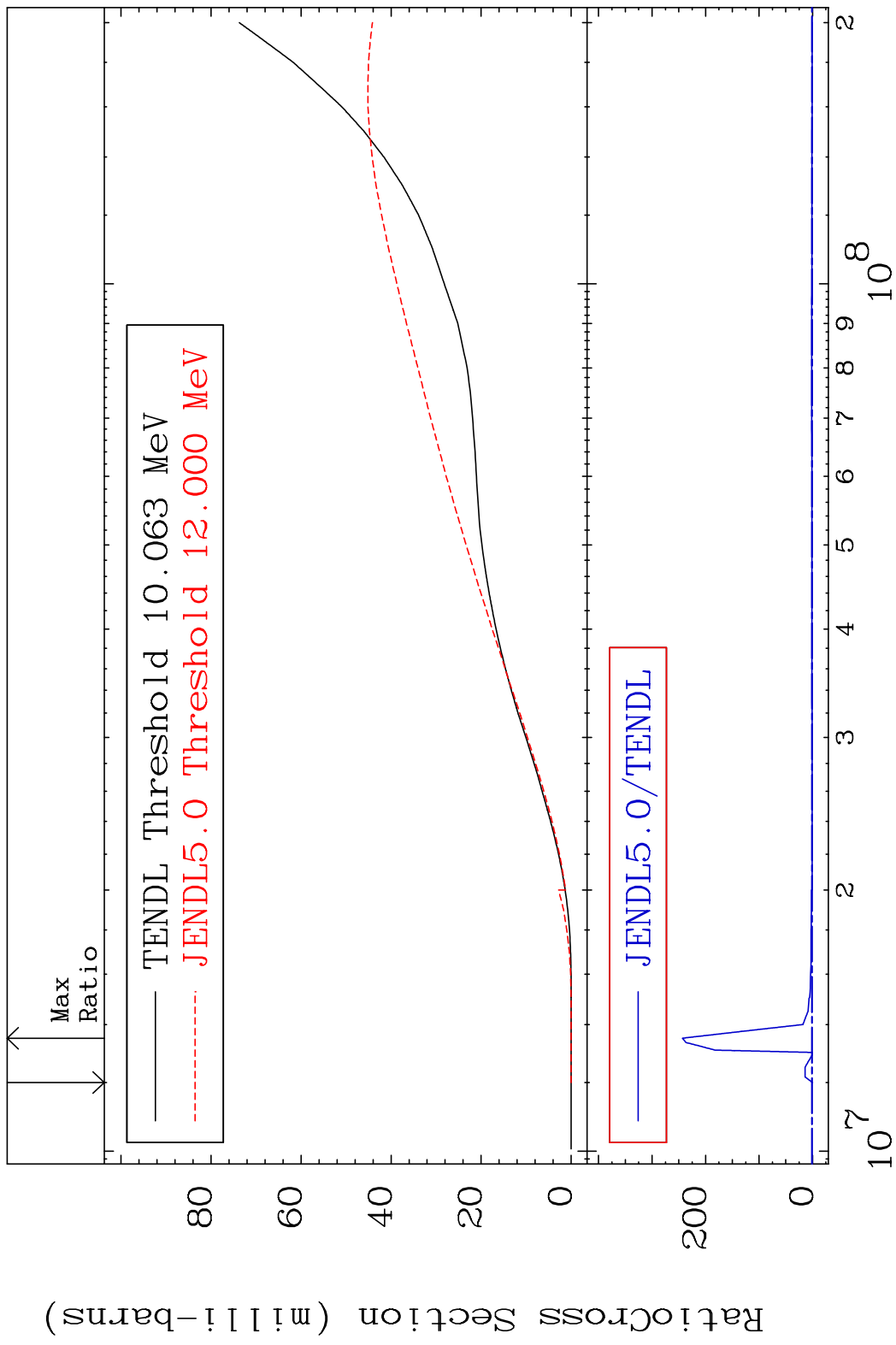


42 Incident Energy (eV) 44-Ru-102

MAT 4443 Deuterium Production 44-Ru-102
 Cross Section -100.0 To 1961. %



MAT 4443 Tritium Production 44-Ru-102
 Cross Section -100.0 To 9999. %



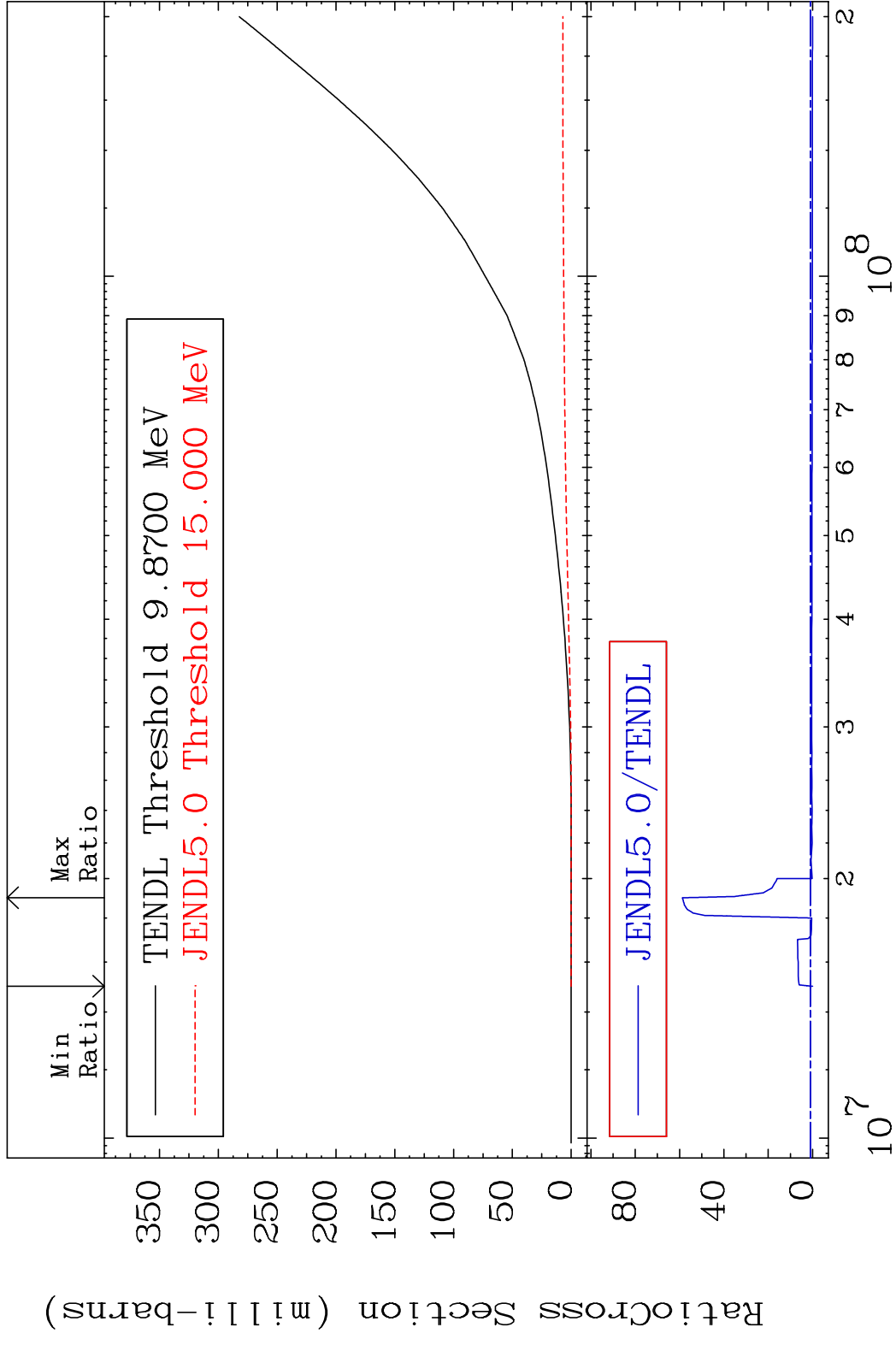
44 44-Ru-102

MAT 4443

He-3 Production

44-Ru-102

Cross Section -100.0 To 5774. %



45

Incident Energy (eV)

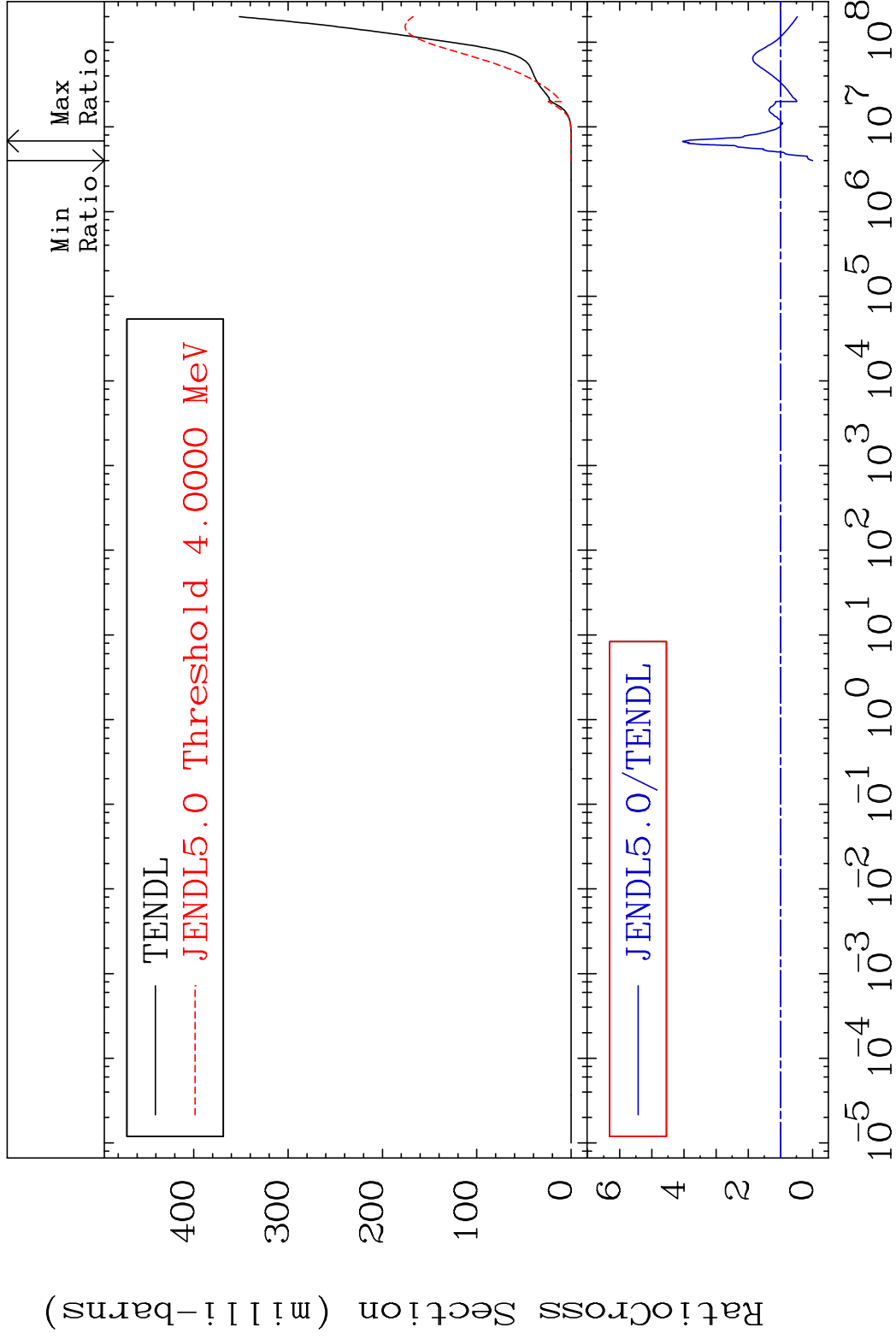
44-Ru-102

MAT 4443

He-4 Production

44-Ru-102

Cross Section -100.0 To 305.1 %

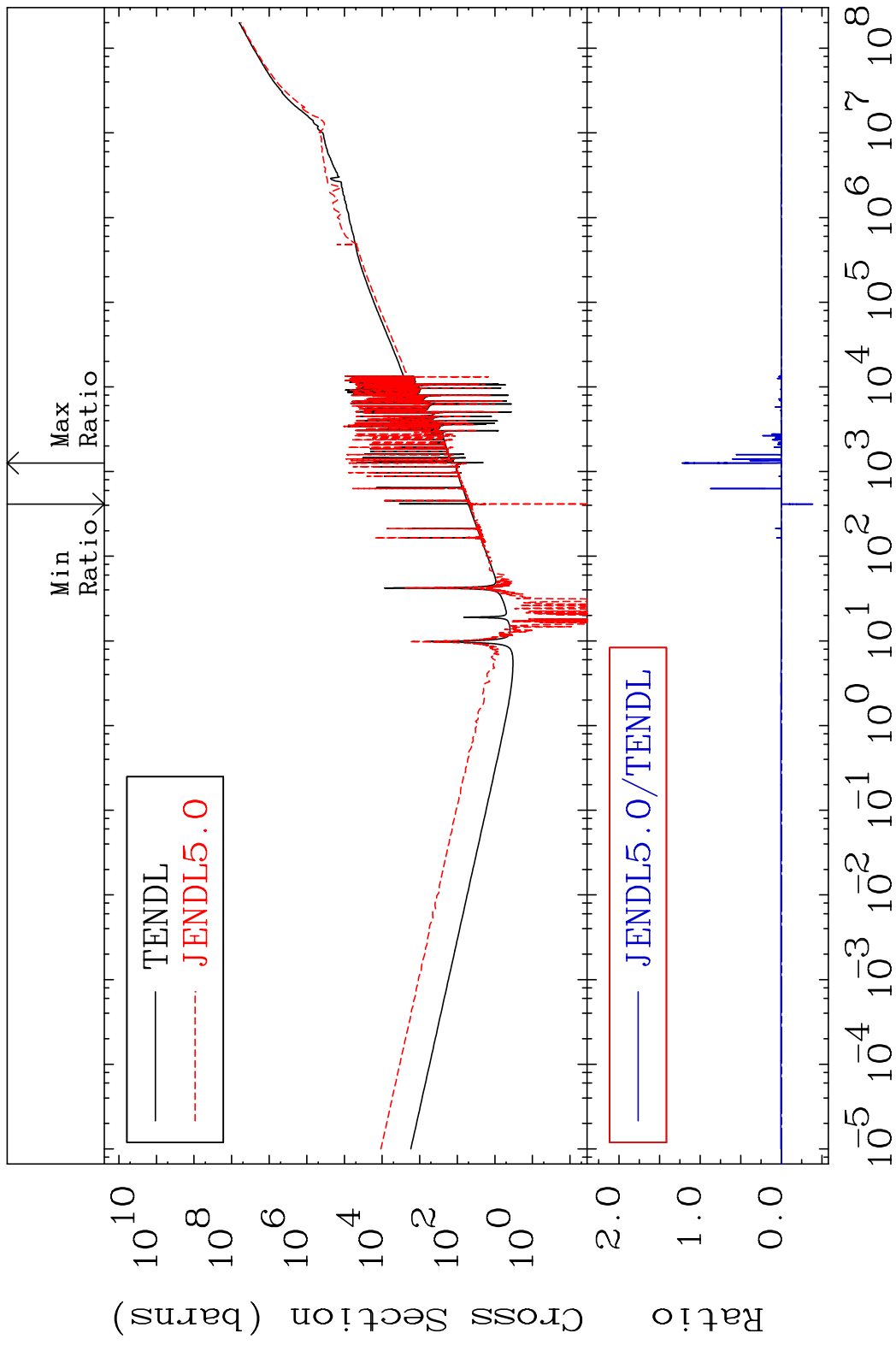


46

Incident Energy (eV)

44-Ru-102

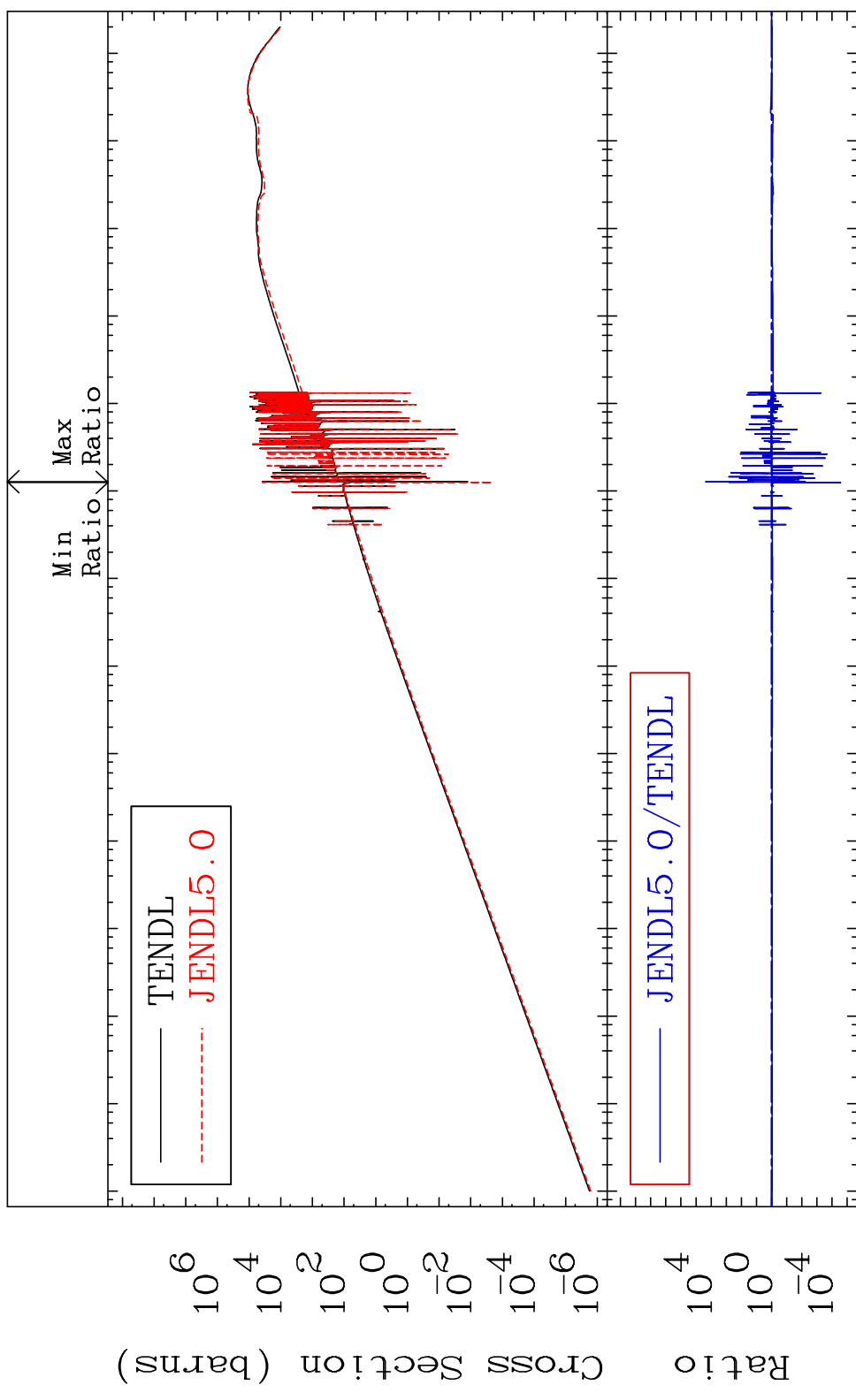
MAT 4443 Kerma total (eV-barns) 44-Ru-102
 Cross Section -9999. To 9999. %



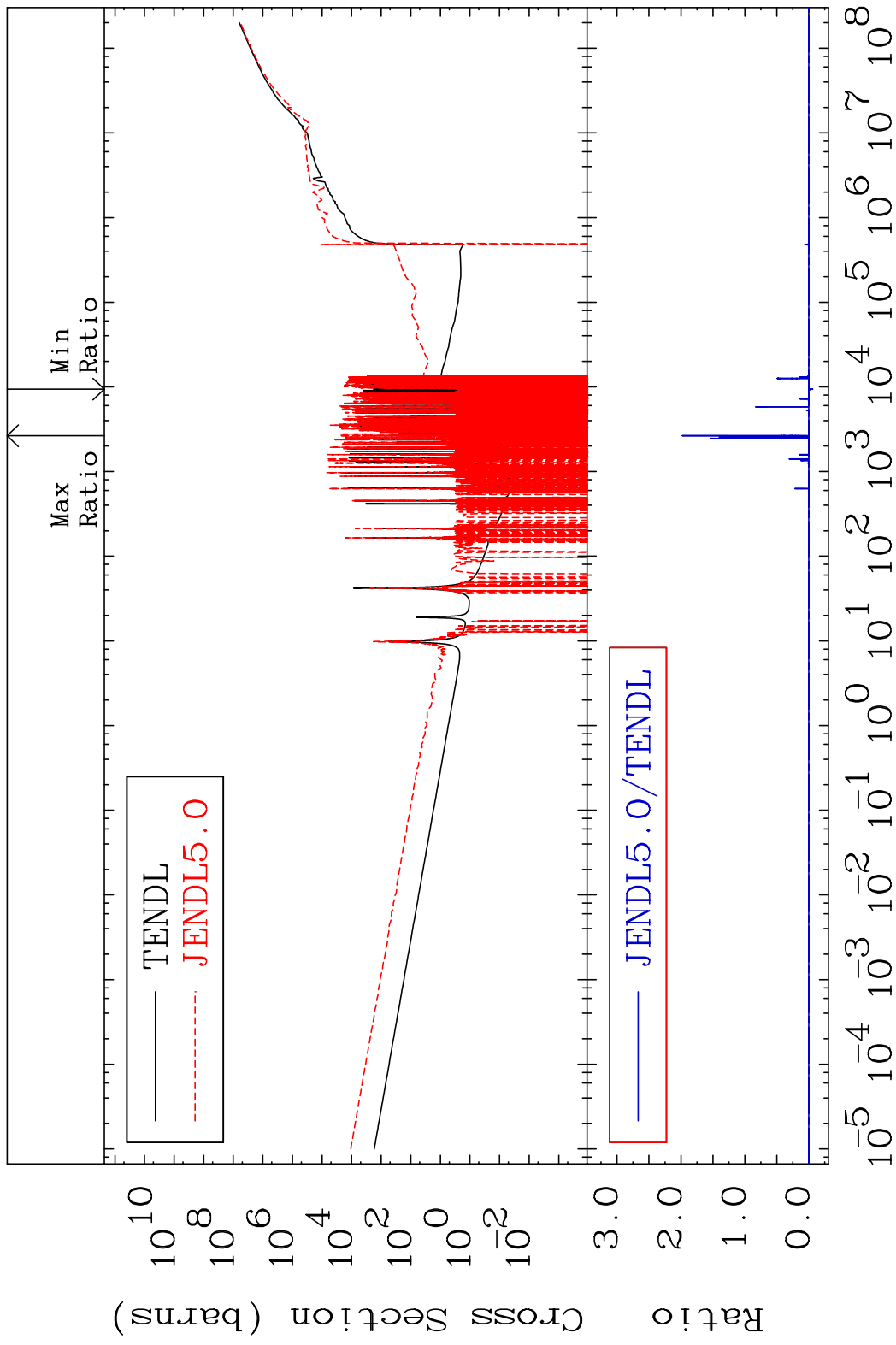
47 Incident Energy (eV) 44-Ru-102

MAT 4443

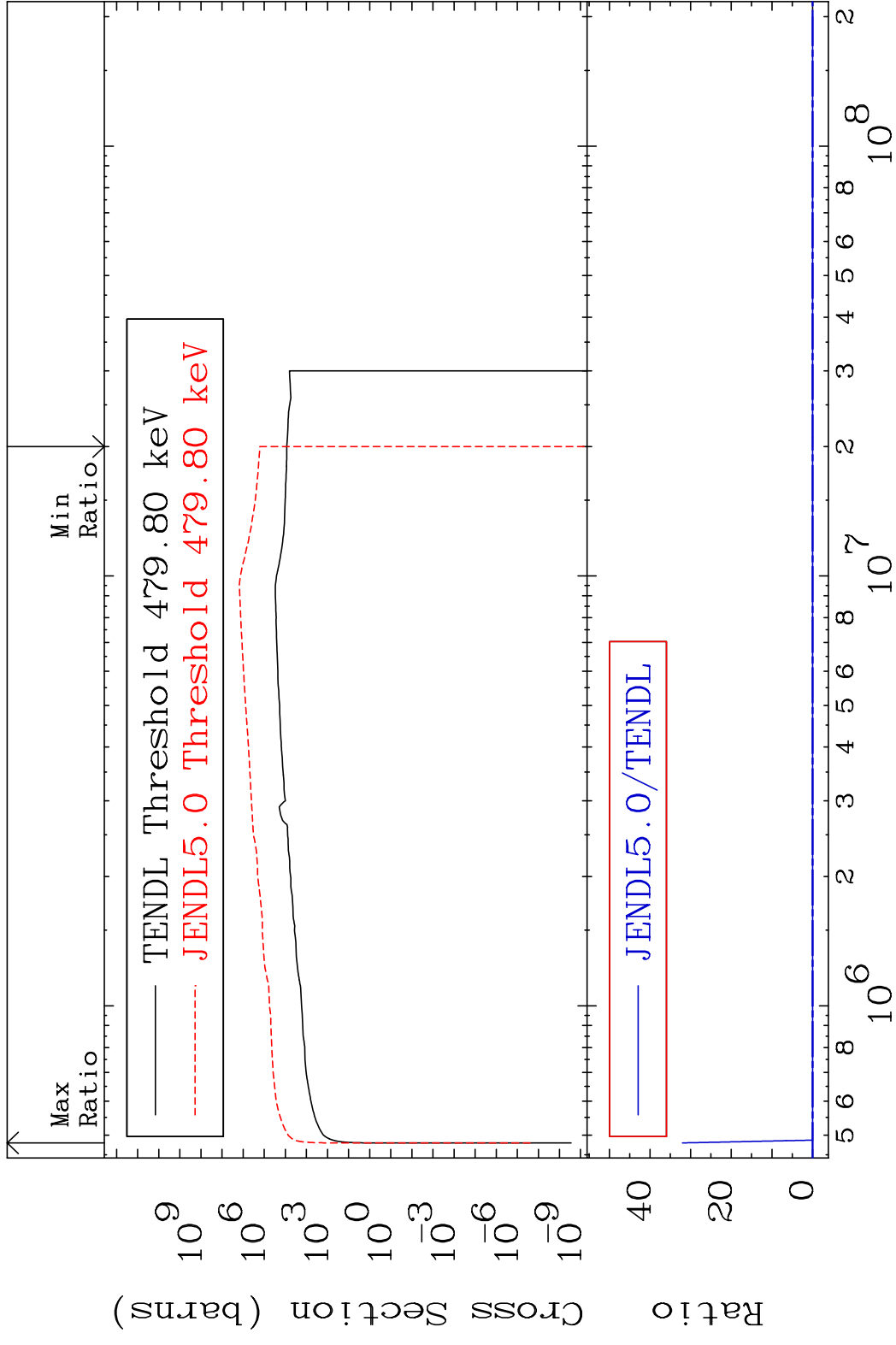
Kerma elastic Cross Section -100.0 To 9999. %
44-Ru-102



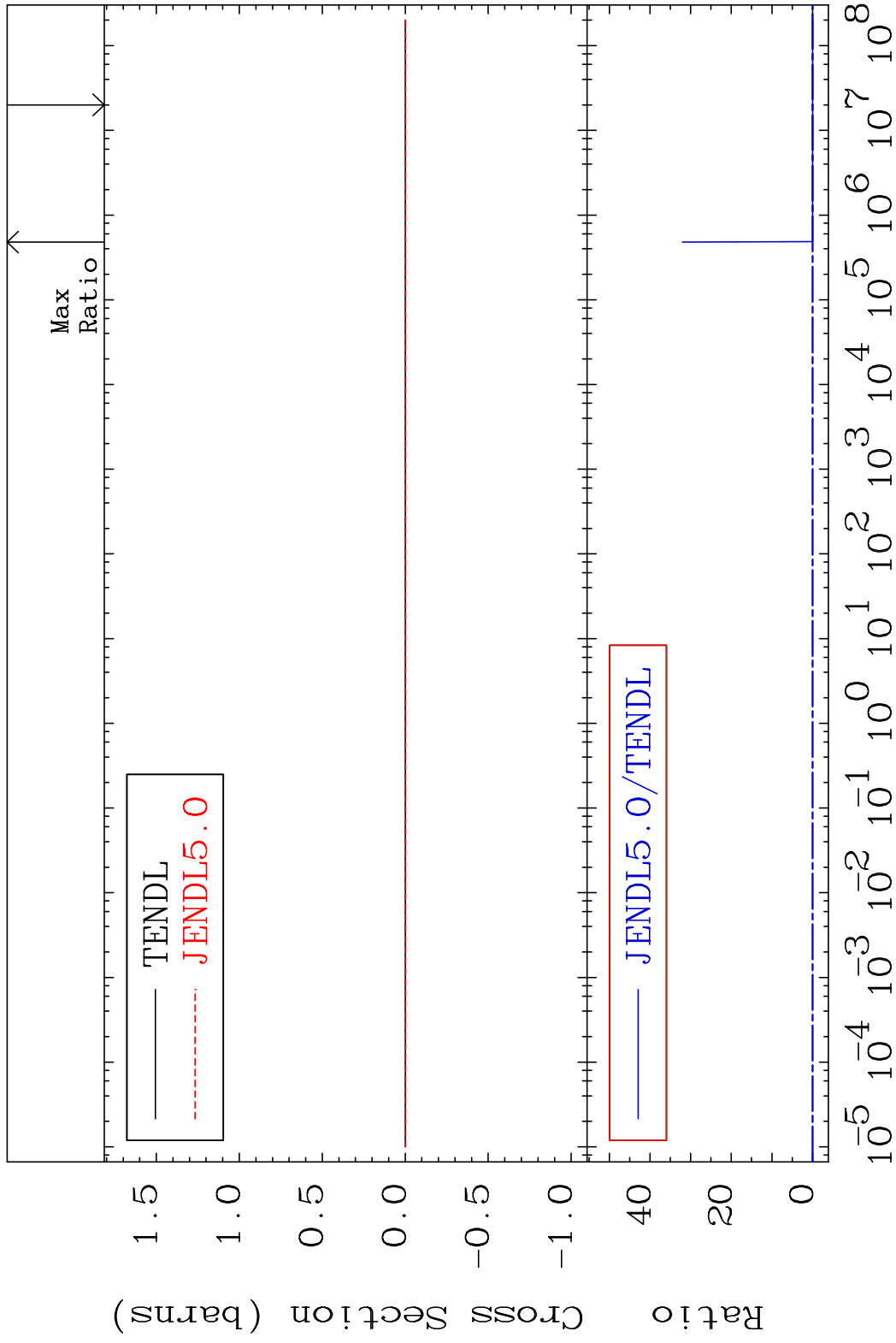
MAT 4443 Kerma non-elastic (all but mt2) 44-Ru-102
 Cross Section -9999. To 9999. %



MAT 4443 Kerma inelastic (mt51-91) 44-Ru-102
 Cross Section -100.0 To 9999. %

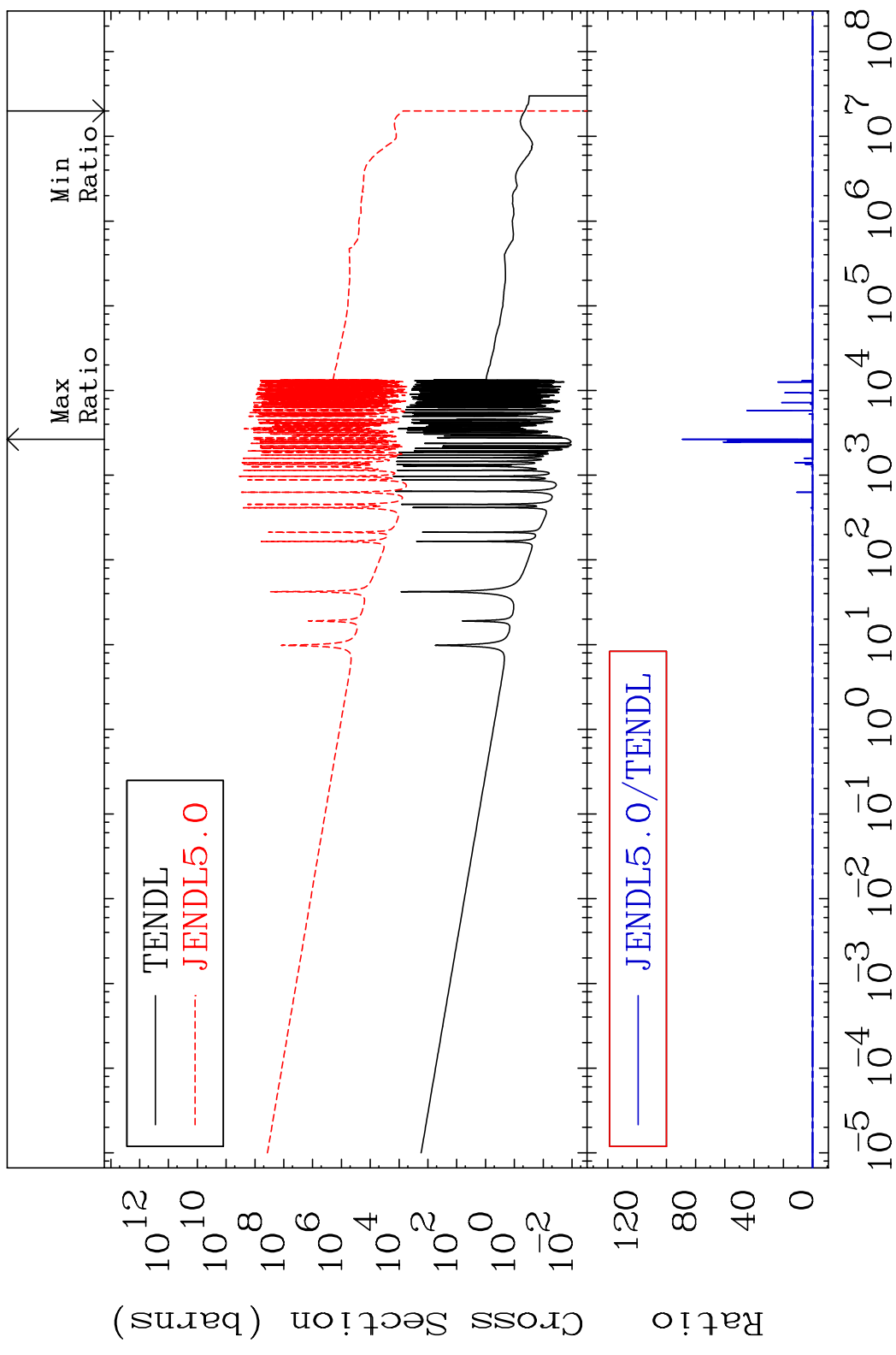


MAT 4443 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-102
 Cross Section -100.0 To 9999. %

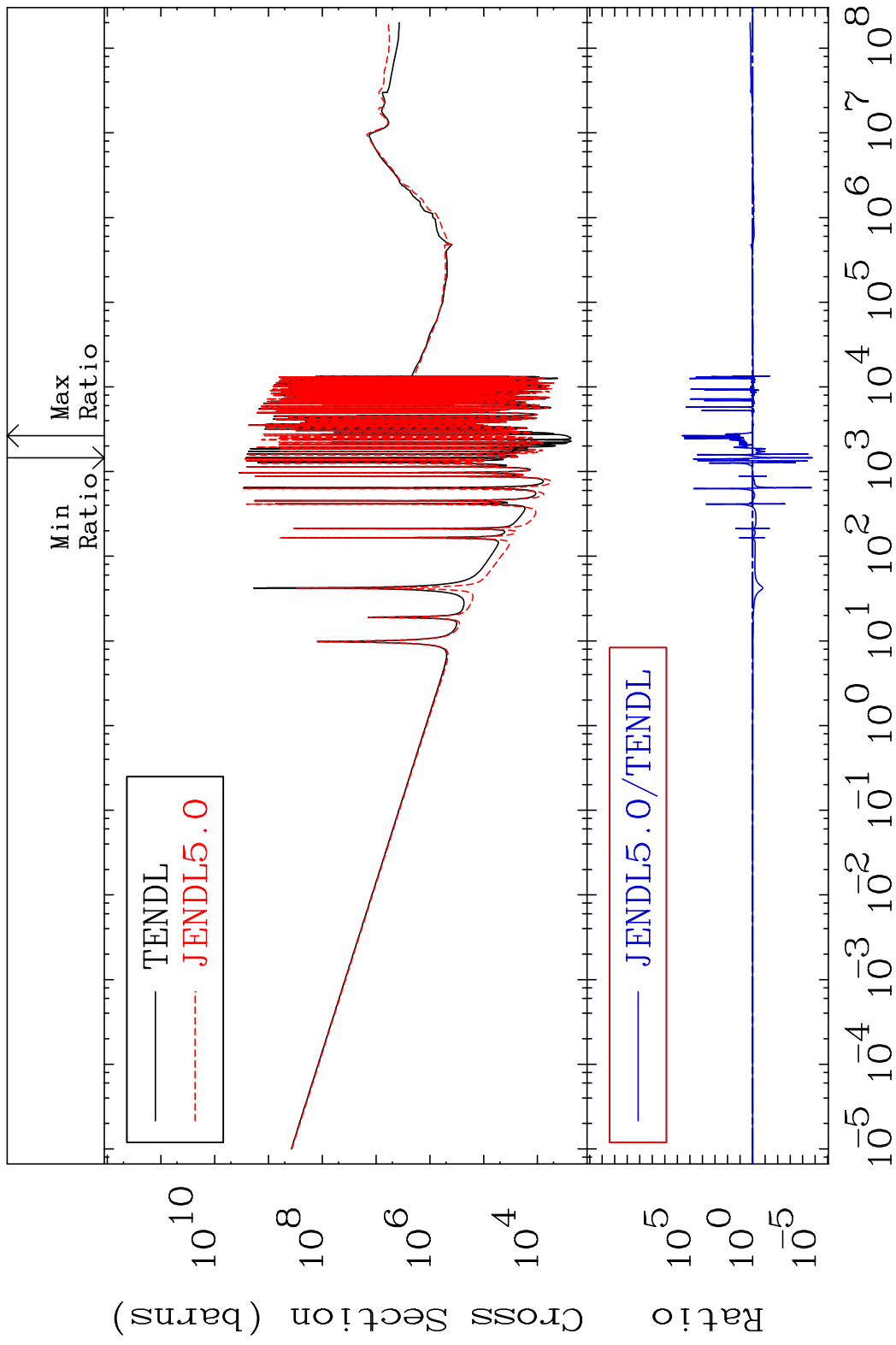


MAT 4443

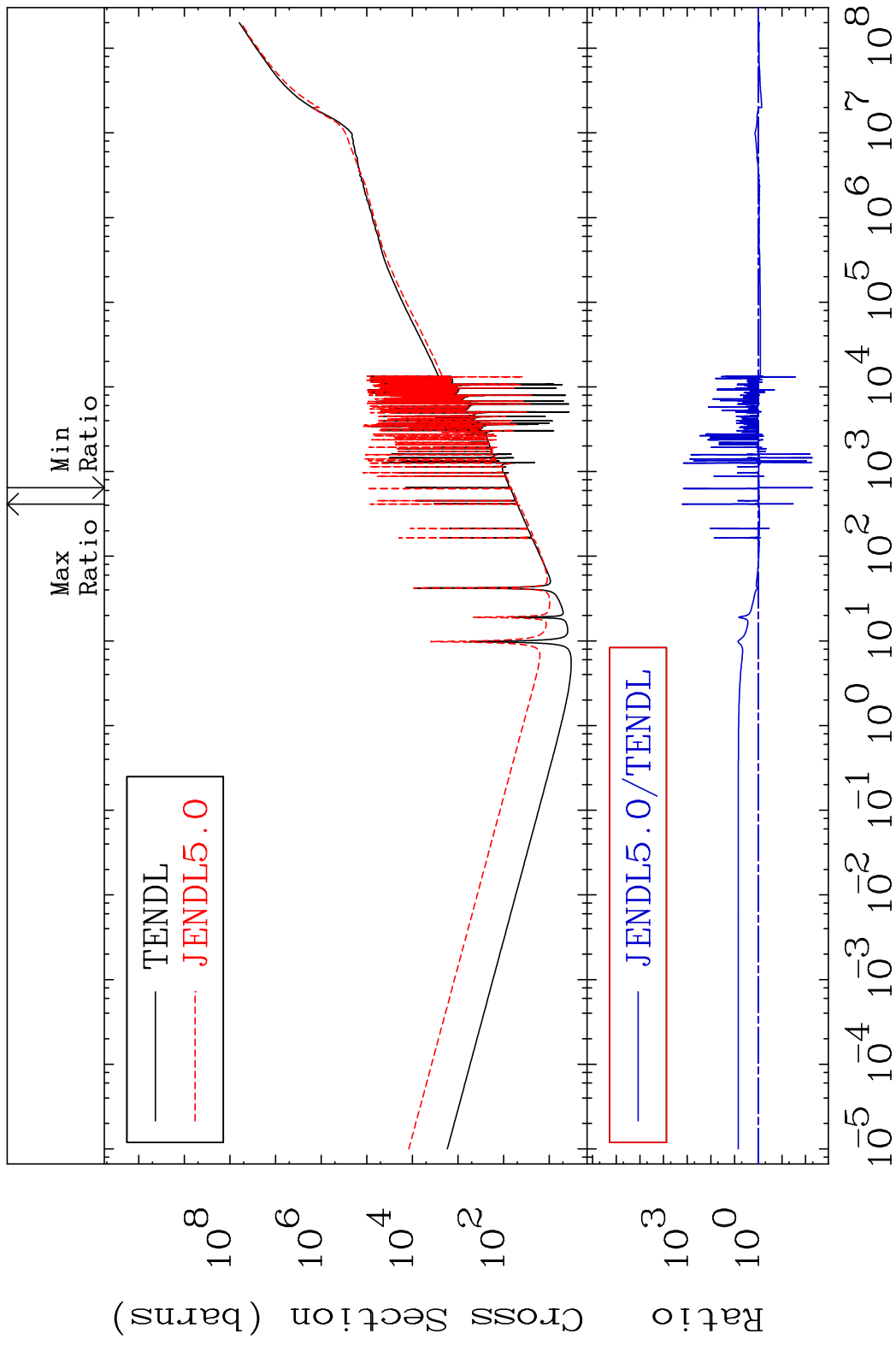
Kerma capture (mt102) 44-Ru-102
Cross Section -100.0 To 9999. %



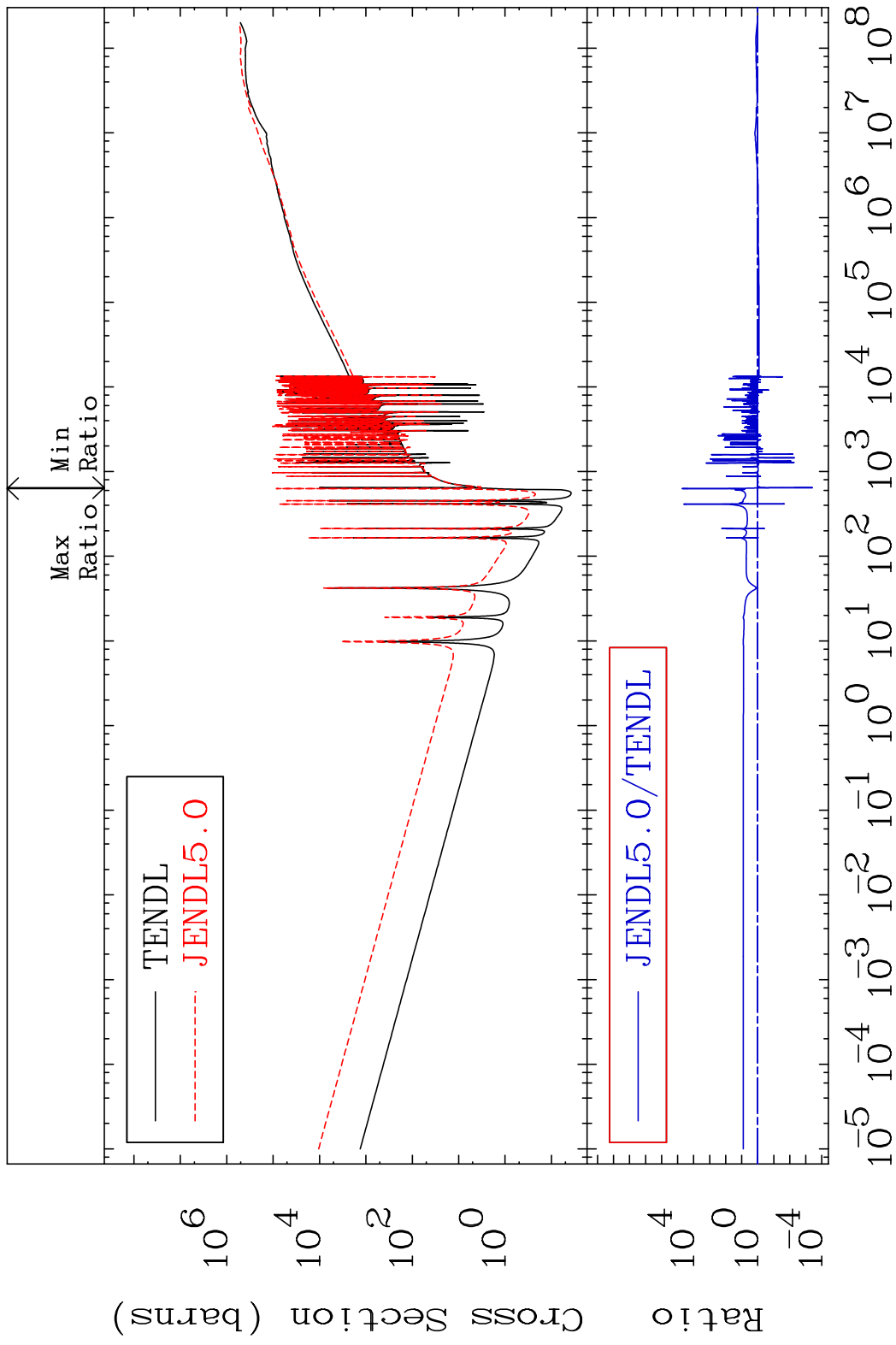
MAT 4443 Total photon (eV-barns) 44-Ru-102
 Cross Section -100.0 To 9999. %



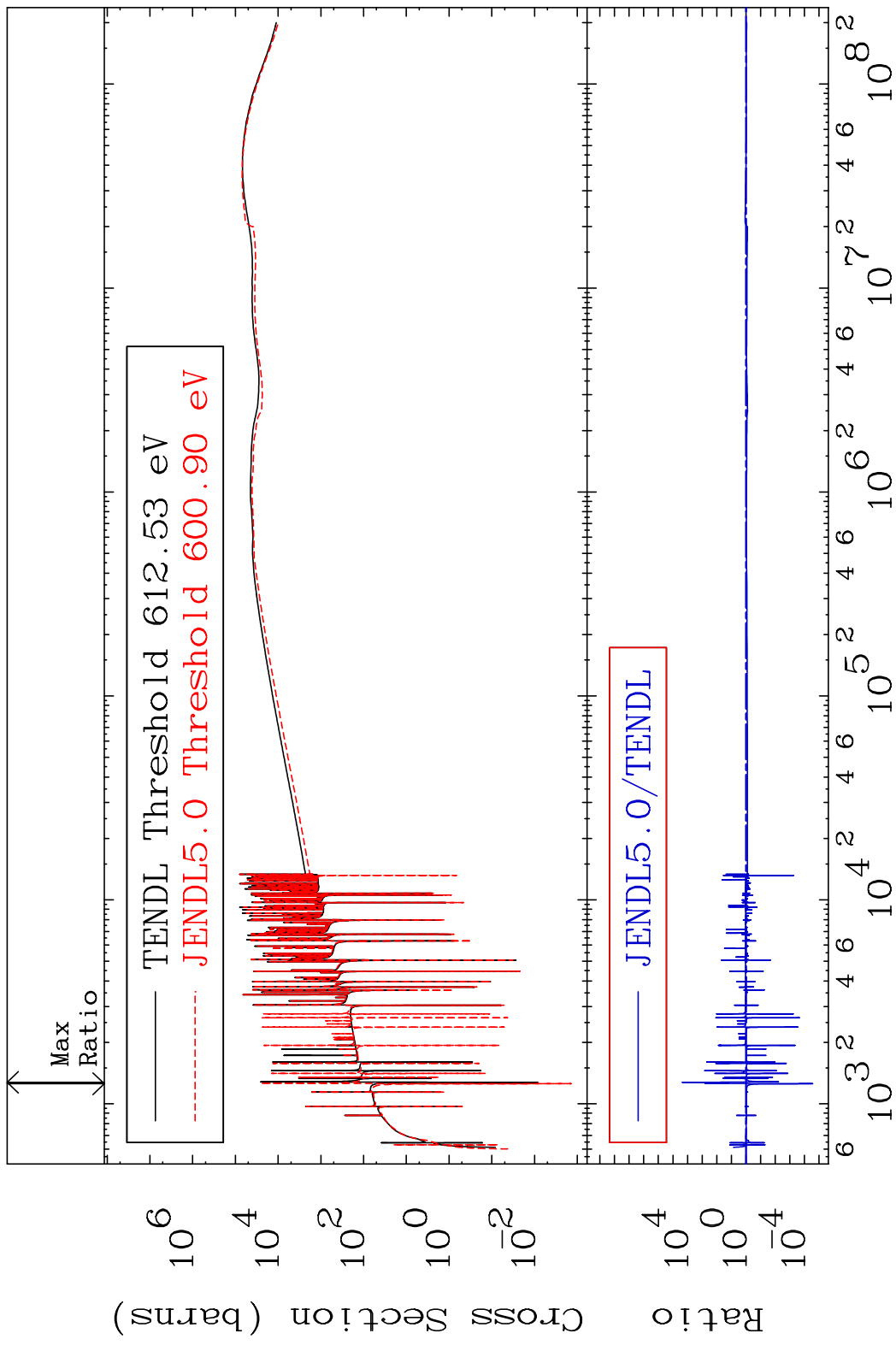
MAT 4443 Total kinematic kerma (high limit) 44-Ru-102
 Cross Section -99.49 To 9999. %



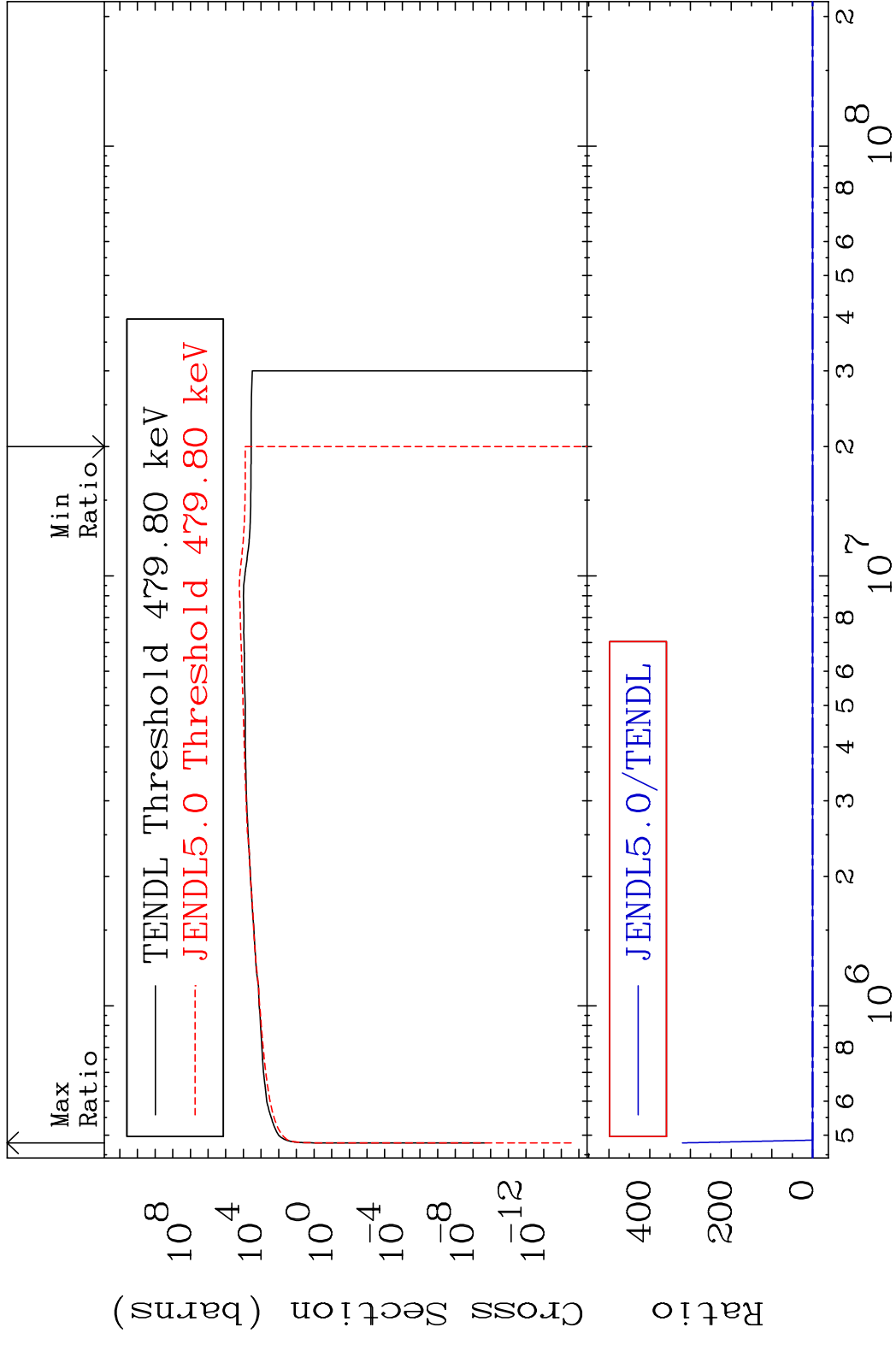
MAT 4443 Dpa total (eV-barns) 44-Ru-102
 Cross Section -99.96 To 9999. %



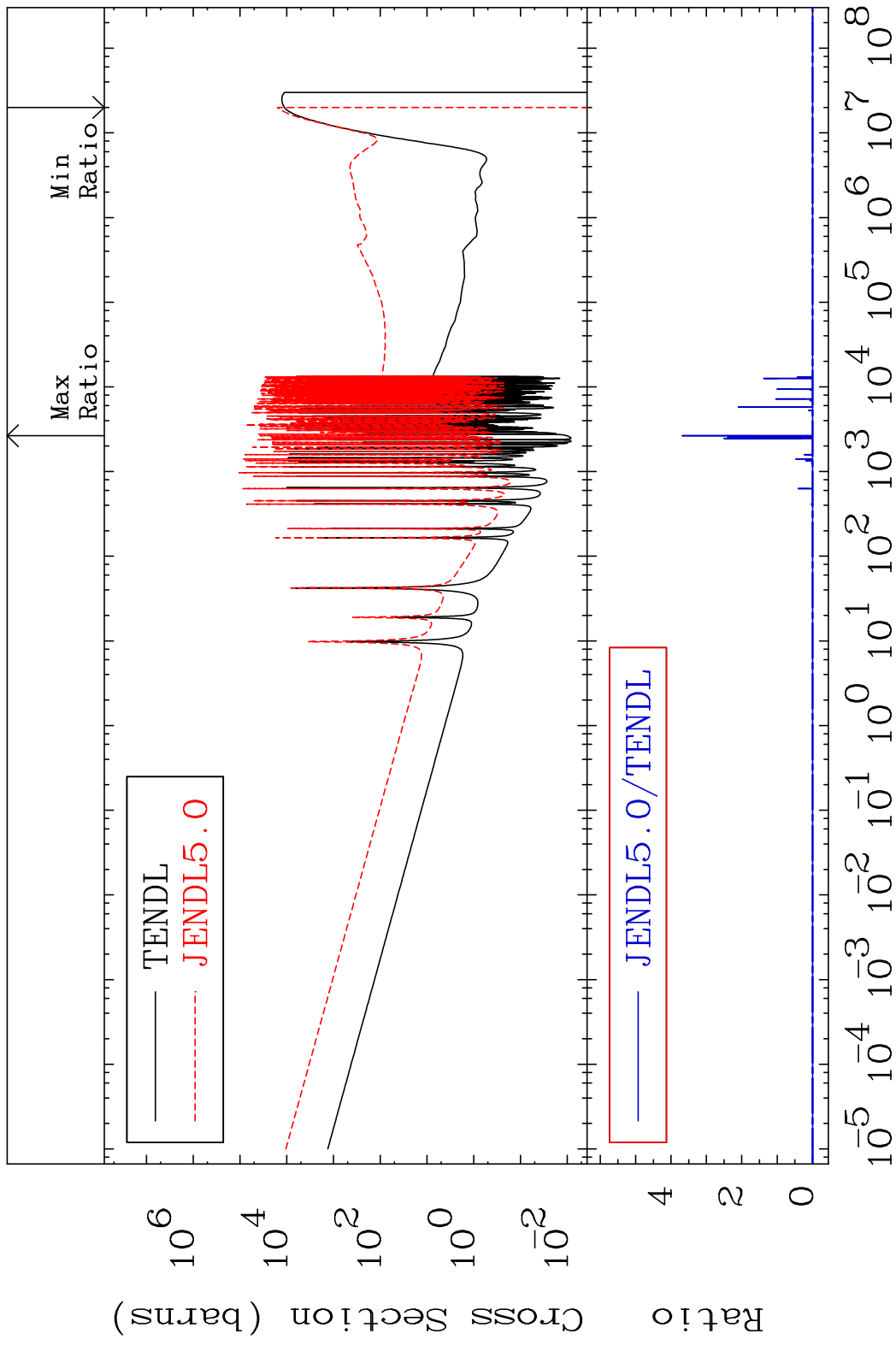
MAT 4443 Dpa elastic (mt2) 44-Ru-102
 Cross Section -100.0 To 9999. %



MAT 4443 Dpa inelastic (mt51-91) 44-Ru-102
 Cross Section -100.0 To 9999. %



MAT 4443 Dpa disappearance (mt102 -120) 44-Ru-102
 Cross Section -100.0 To 9999. %



MAT 4443 (n,p):43-Tc-102g 44-Ru-102
 Radionuclide Production Cross Section 180.0 mb 0.000 %

