

Program Complot
(Version 2021-1)

by

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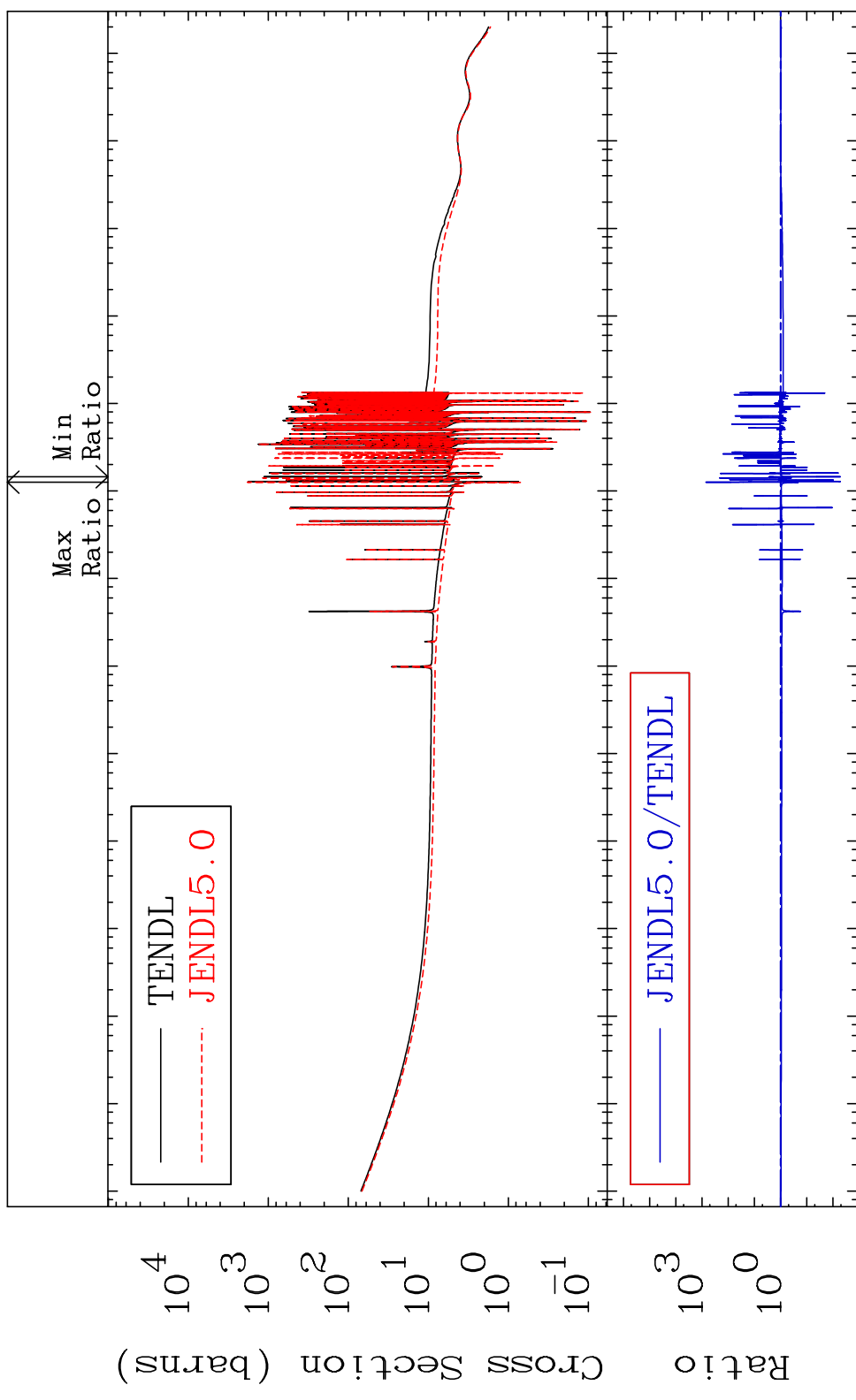
Press Mouse Button to Start

MAT 4443

Total

44-Ru-102

Cross Section -99.48 To 9999. %



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

1

Incident Energy (eV)

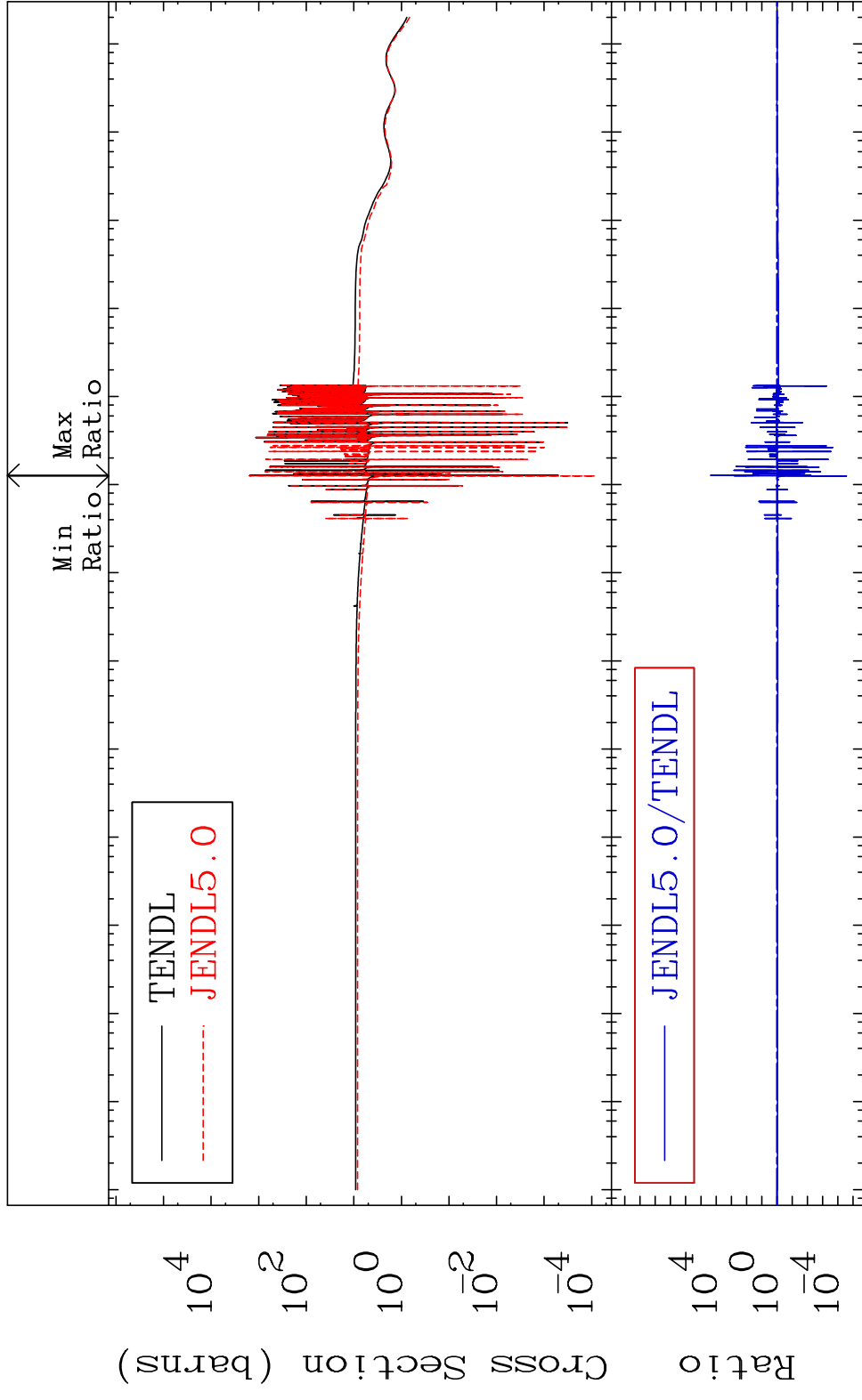
44-Ru-102

MAT 4443

Elastic

44-Ru-102

Cross Section -100.0 To 9999. %

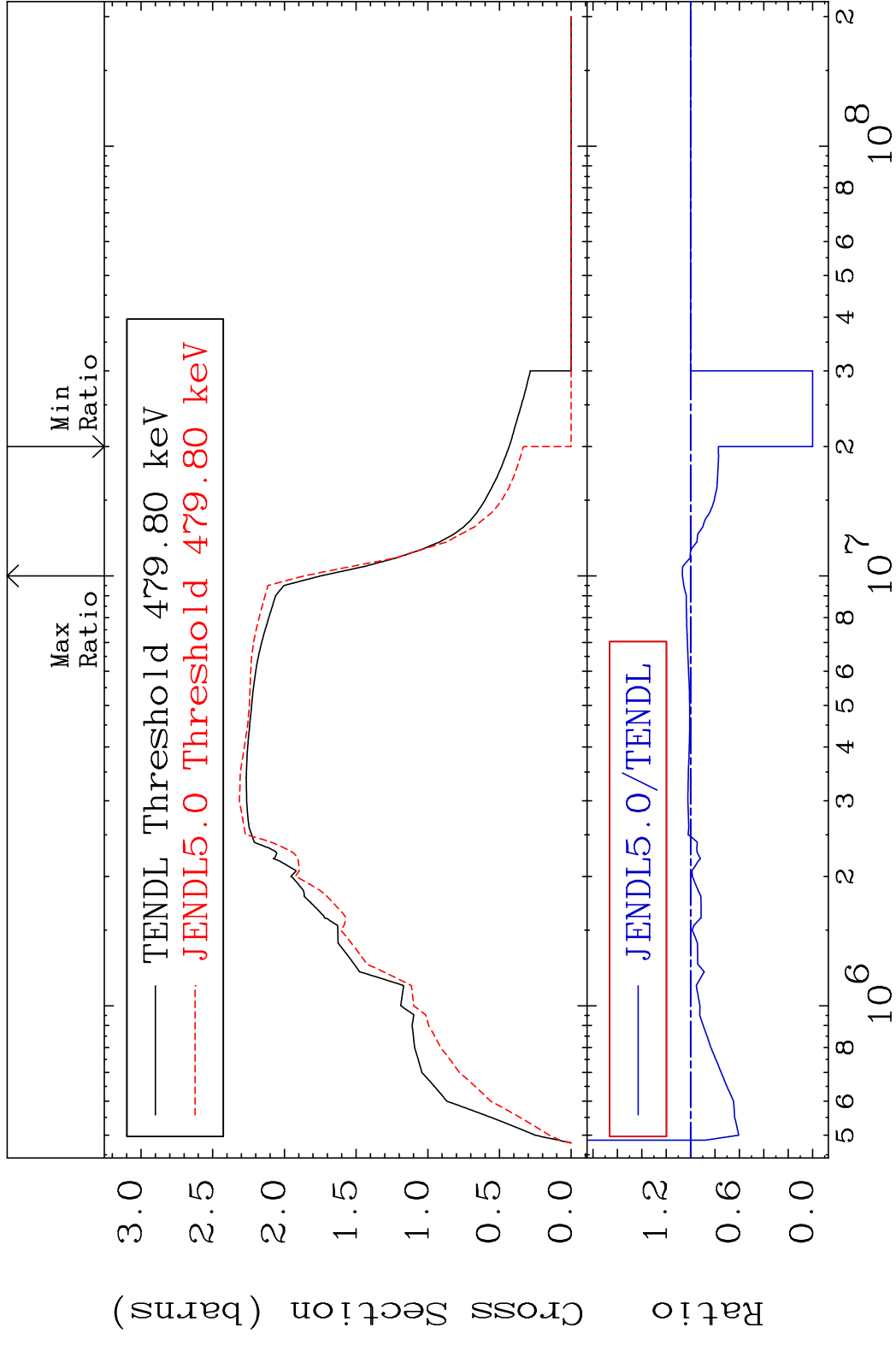


2

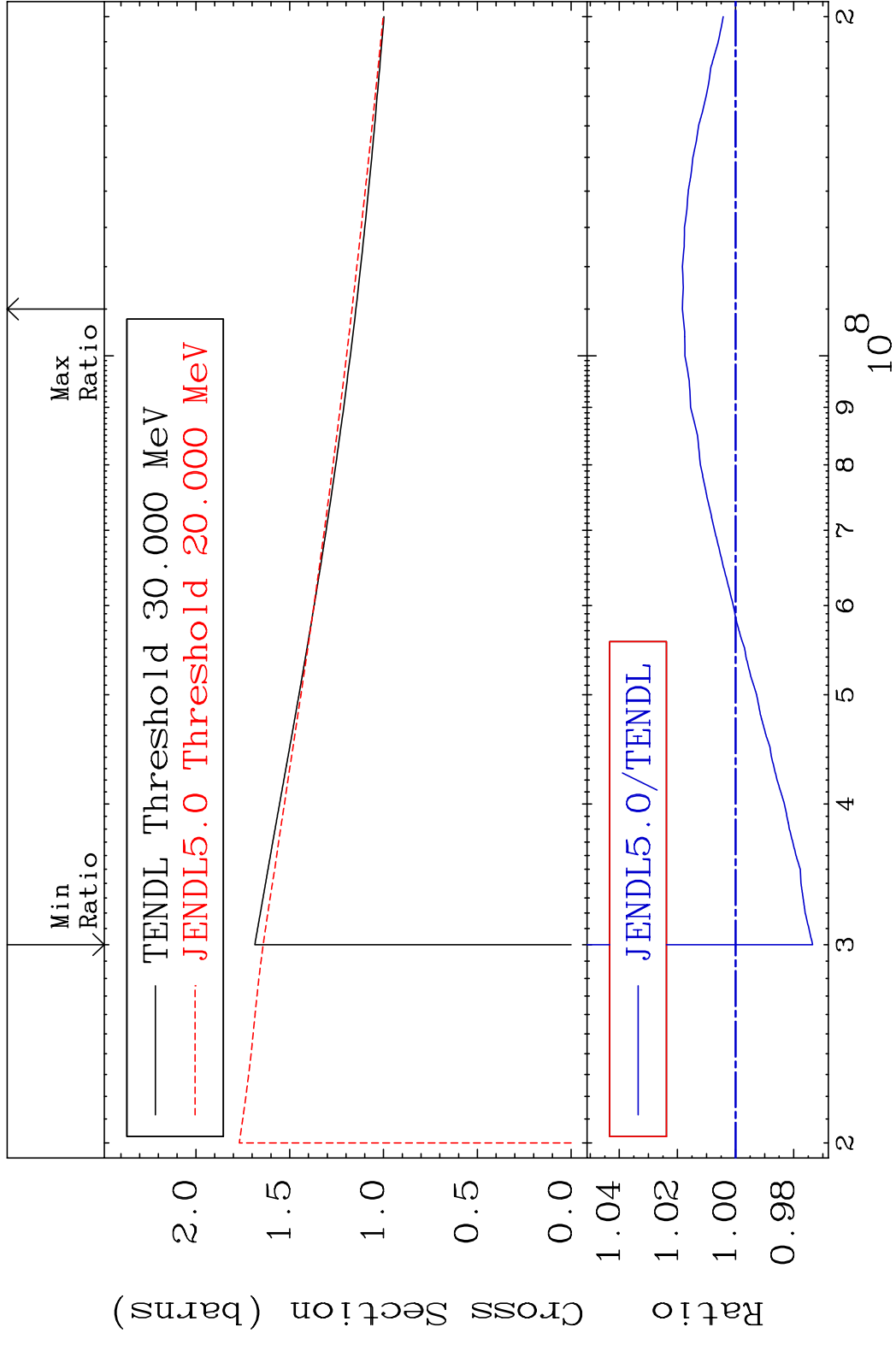
Incident Energy (eV)

44-Ru-102

MAT 4443 Inelastic 44-Ru-102
 Cross Section -100.0 To 6.702 %

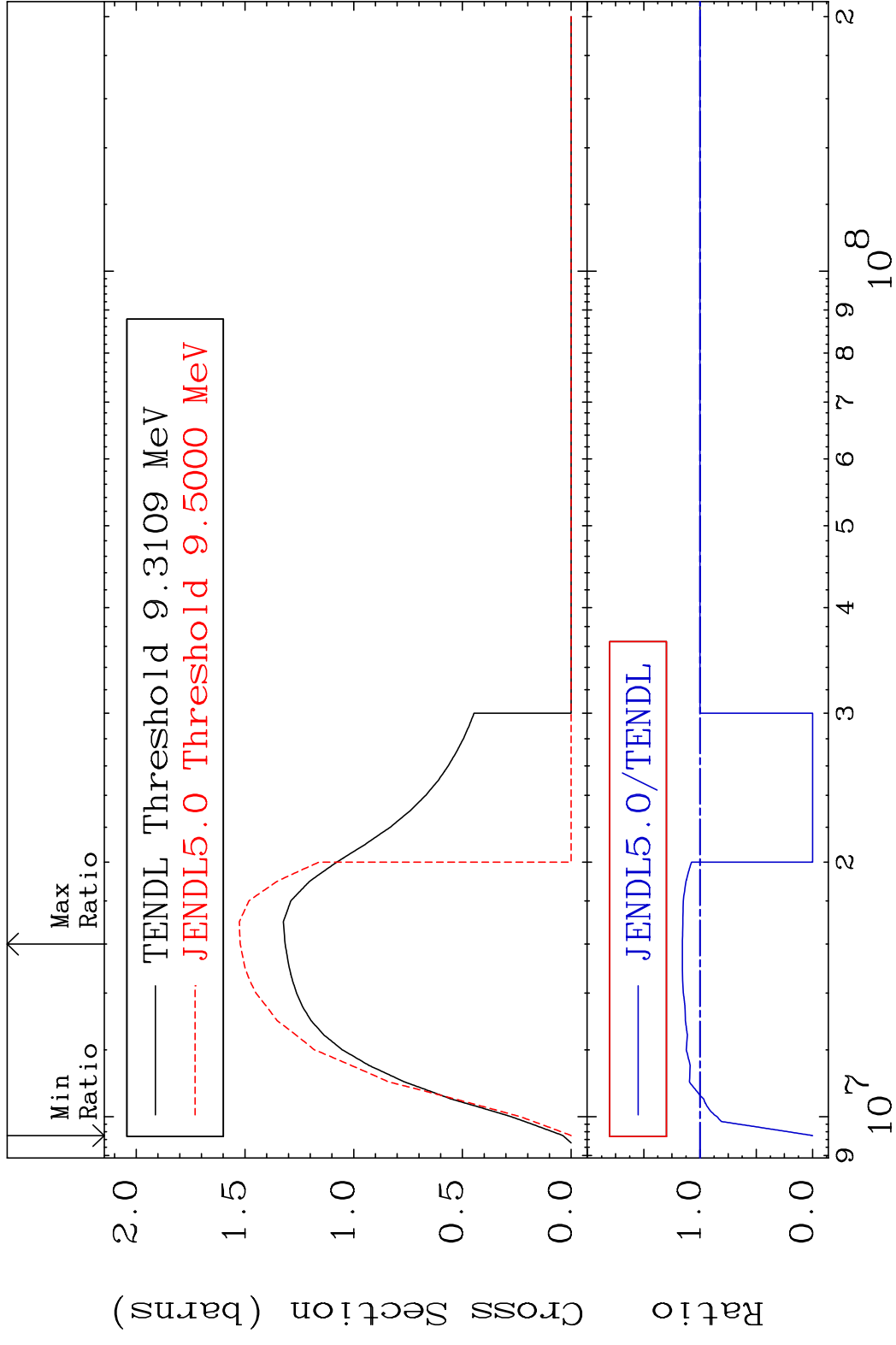


MAT 4443 (n, remainder) 44-Ru-102
 Cross Section -2.649 To 1.831 %



4 Incident Energy (eV) 44-Ru-102

MAT 4443 (n,2n) 44-Ru-102
 Cross Section -100.0 To 15.69 %



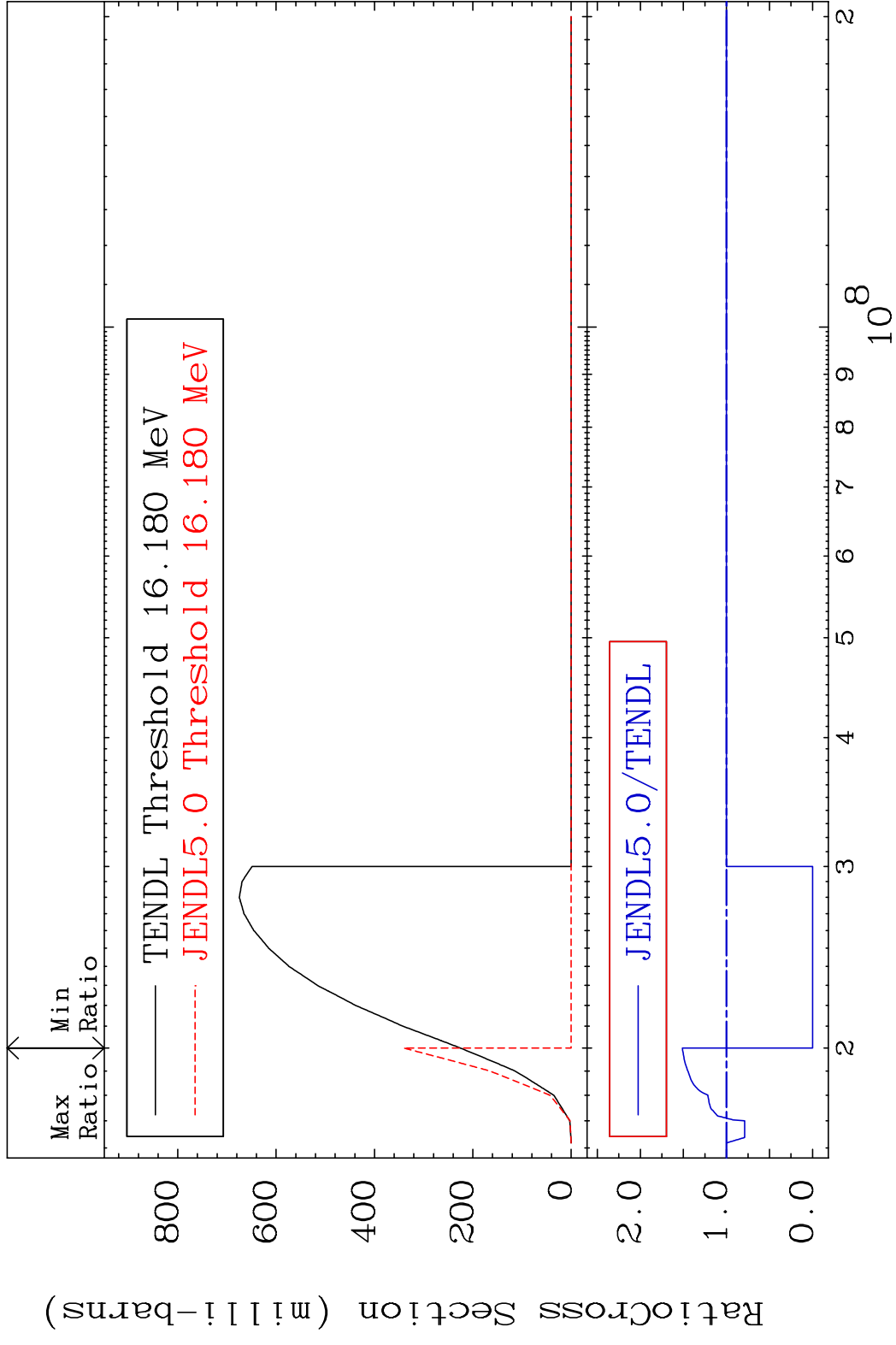
5 Incident Energy (eV) 44-Ru-102

MAT 4443

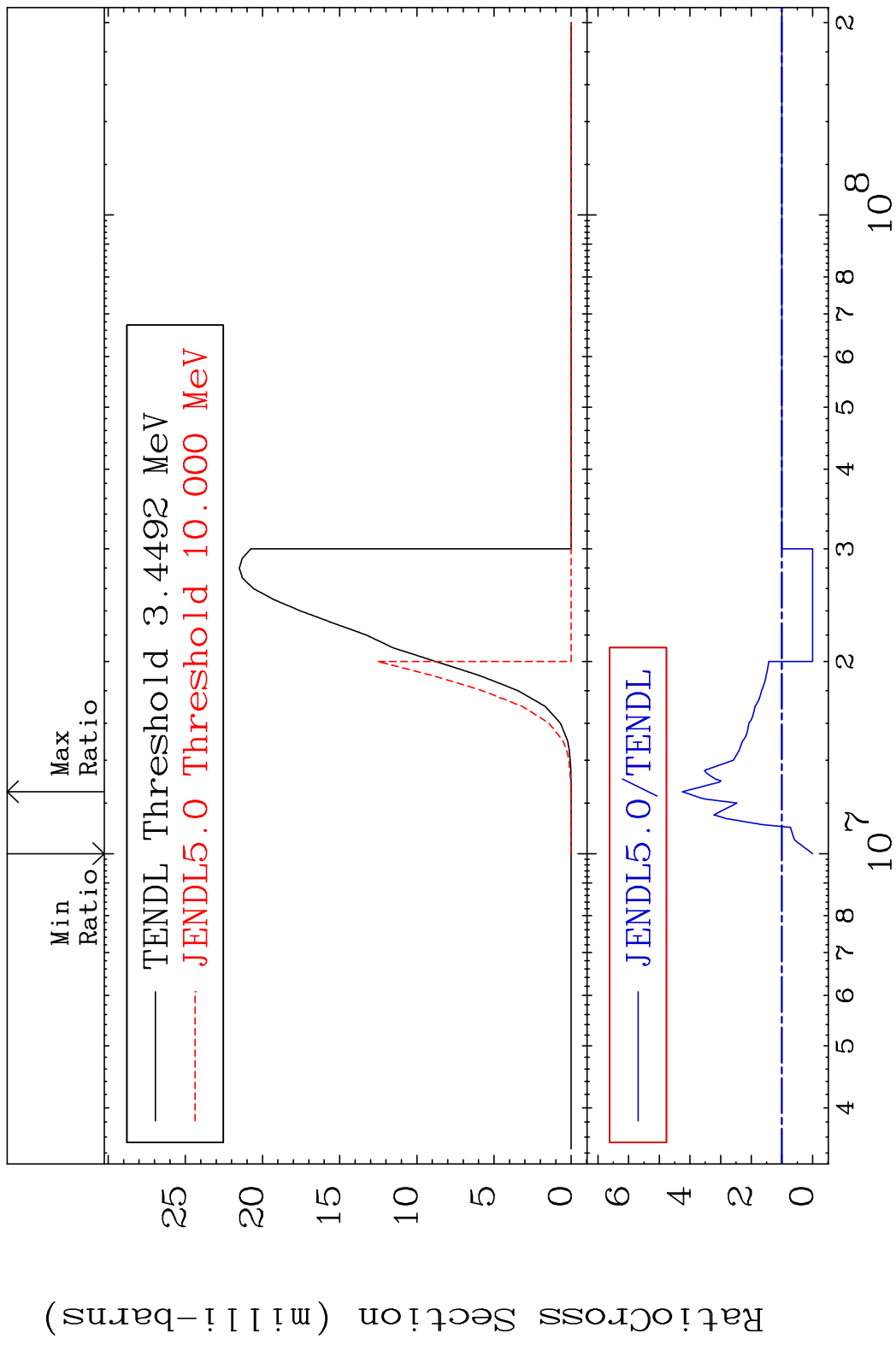
(n,3n)

44-Ru-102

Cross Section -100.0 To 51.19 %



MAT 4443 (n, n') α 44-Ru-102
 Cross Section -100.0 To 324.8 %



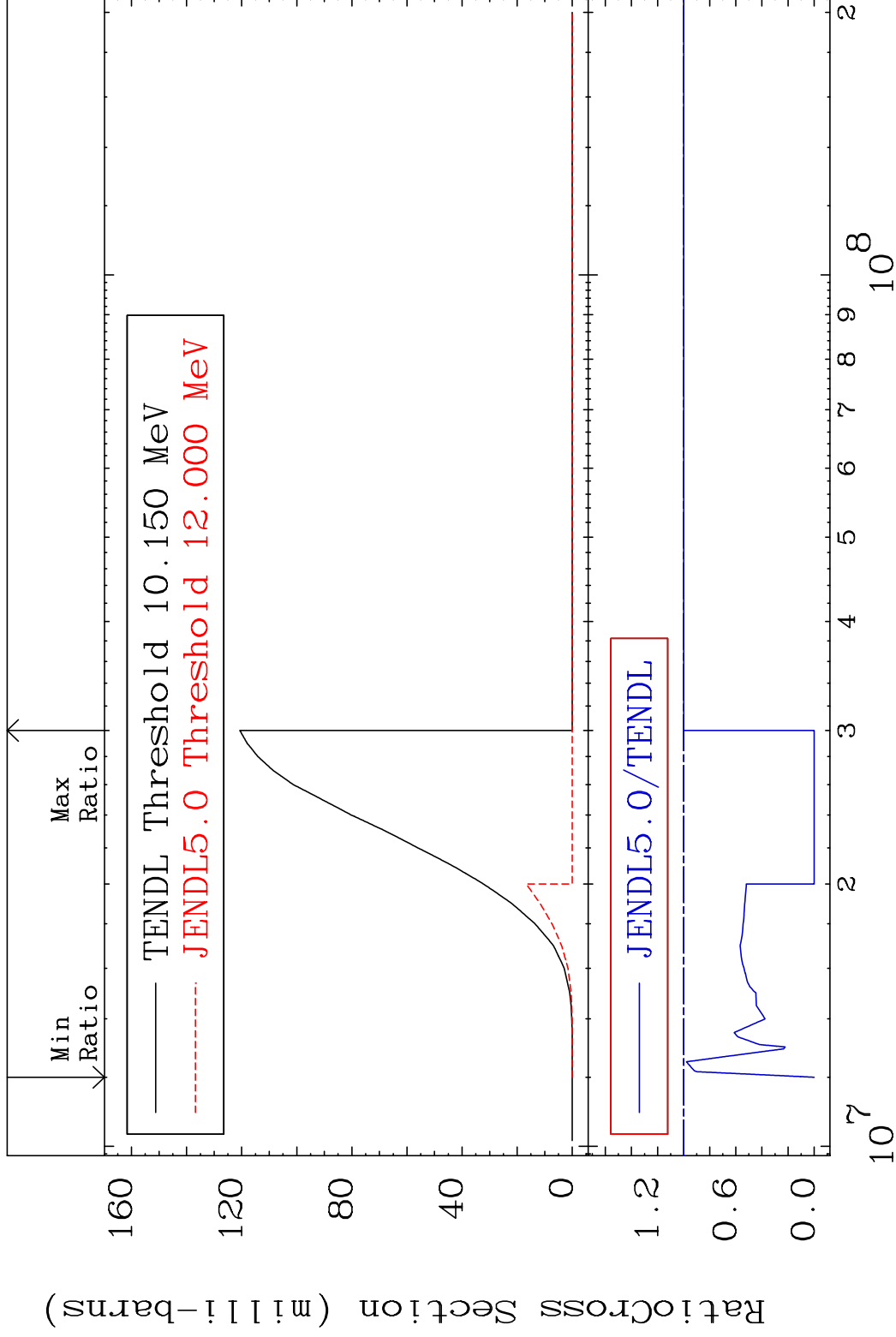
7 44-Ru-102

MAT 4443

(n, n') p

44-Ru-102

Cross Section -100.0 To 0.000 %



8

Incident Energy (eV)

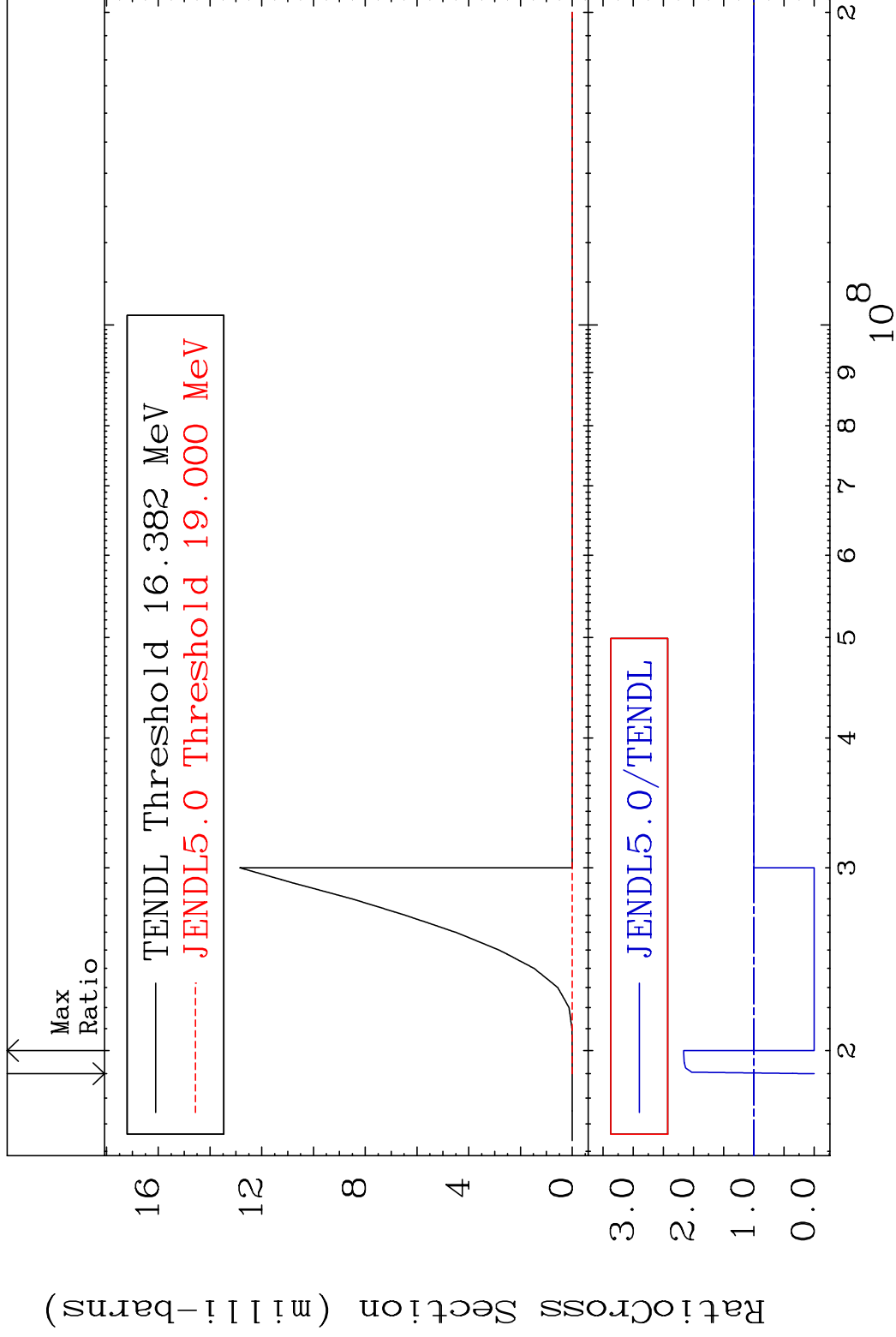
44-Ru-102

MAT 4443

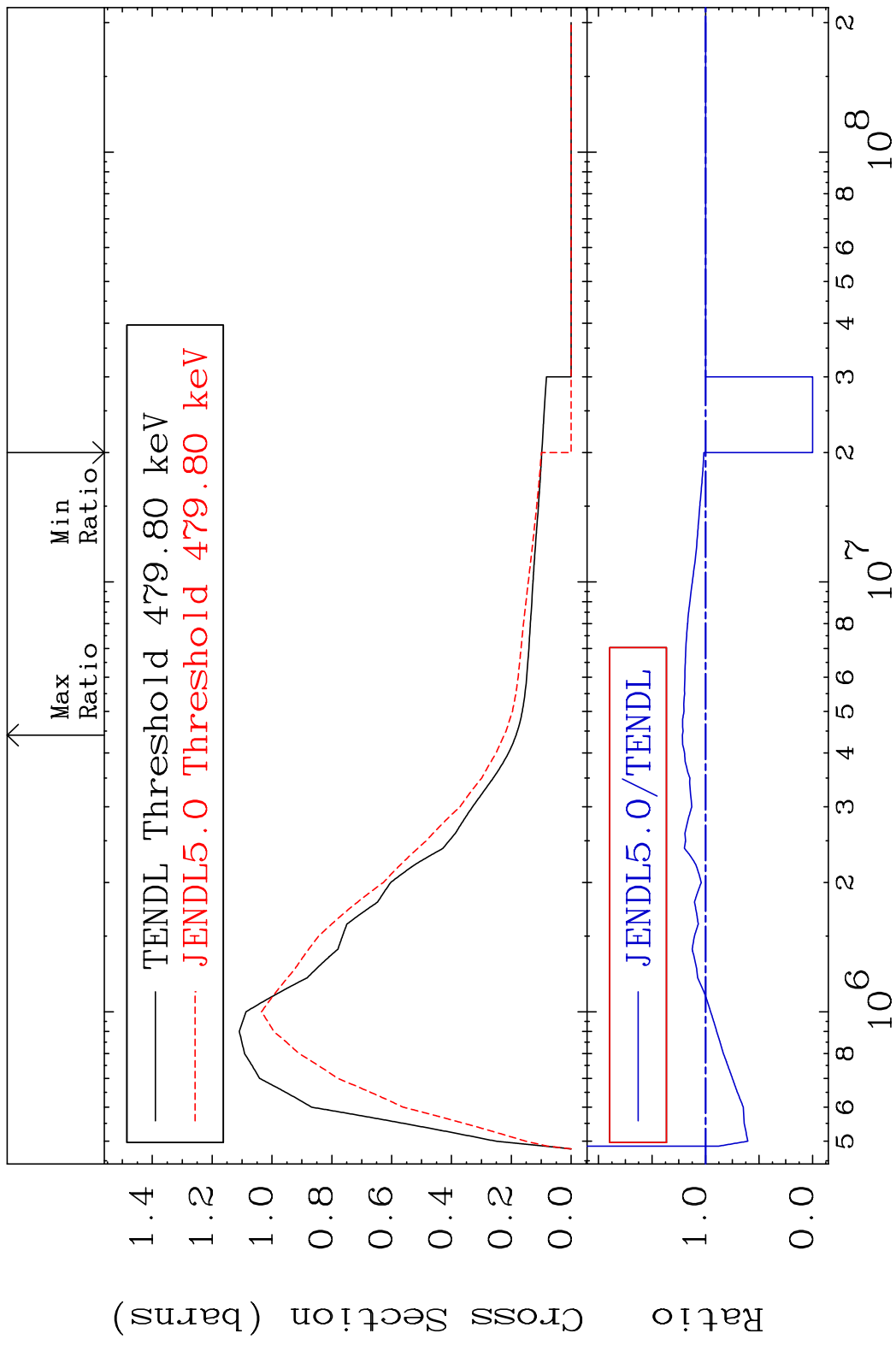
(n, n') d

44-Ru-102

Cross Section -100.0 To 116.2 %

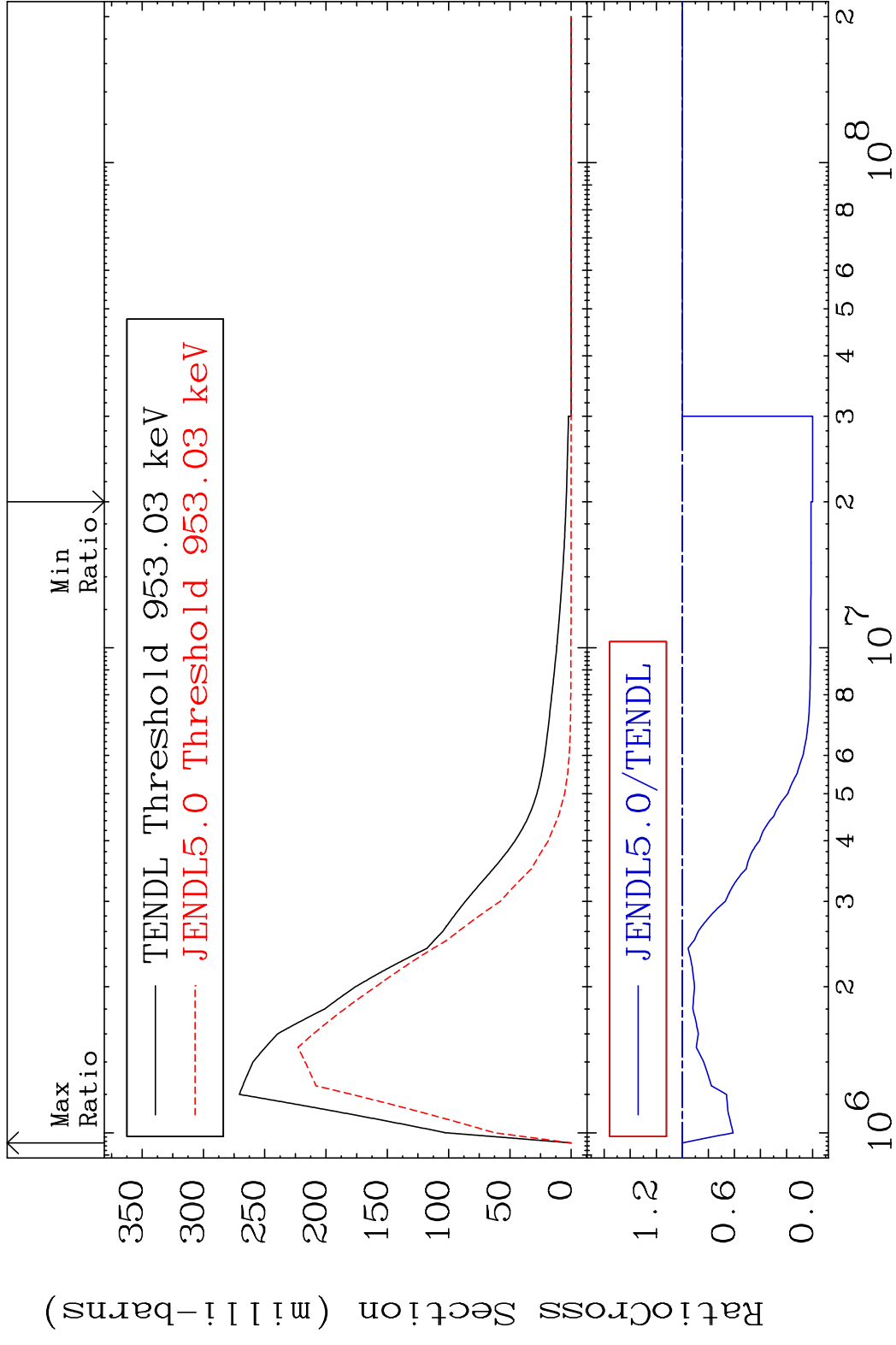


MAT 4443 MT= 51 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 21.68 %



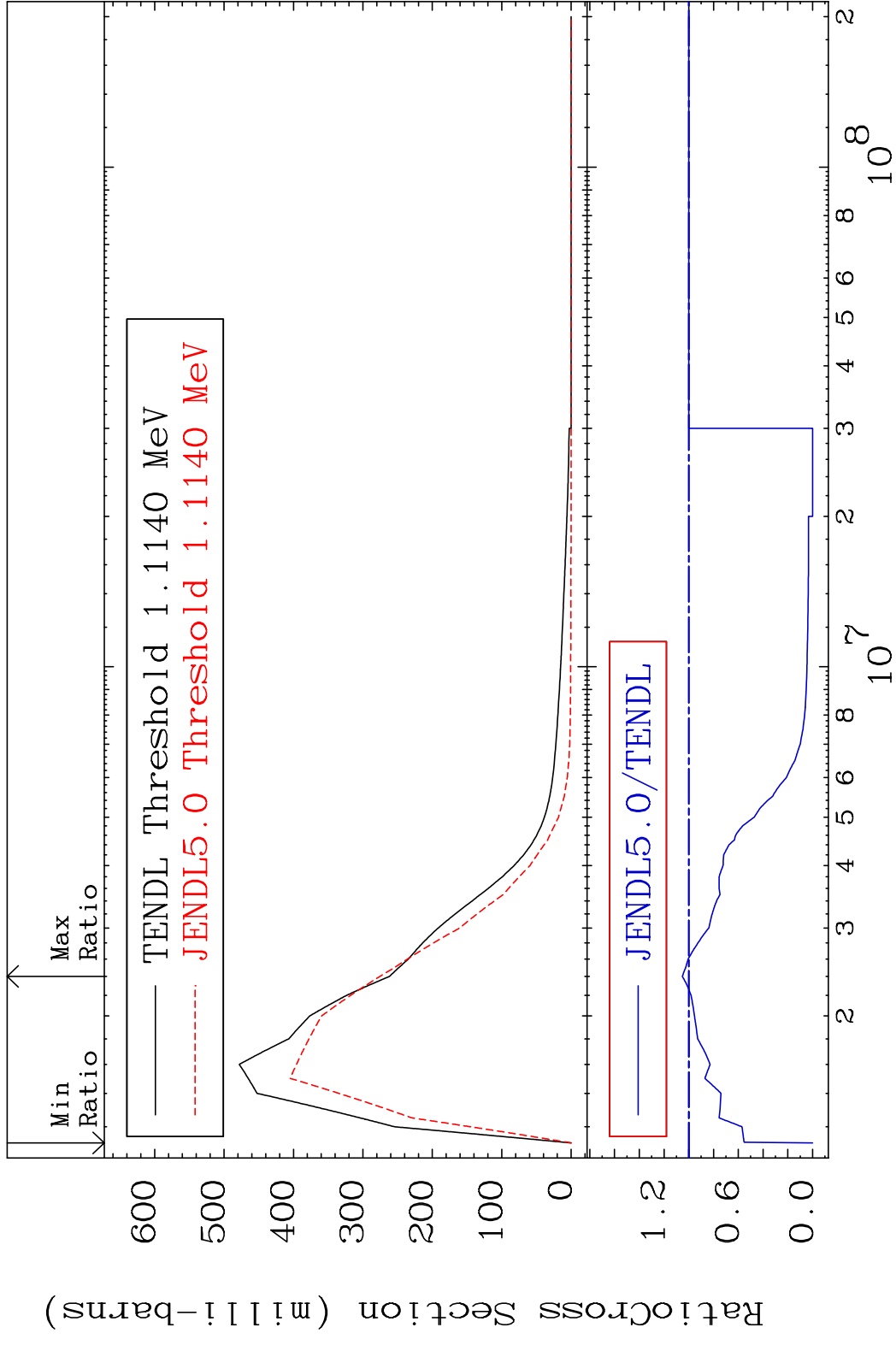
10 Incident Energy (eV) 44-Ru-102

MAT 4443 MT= 52 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 0.000 %

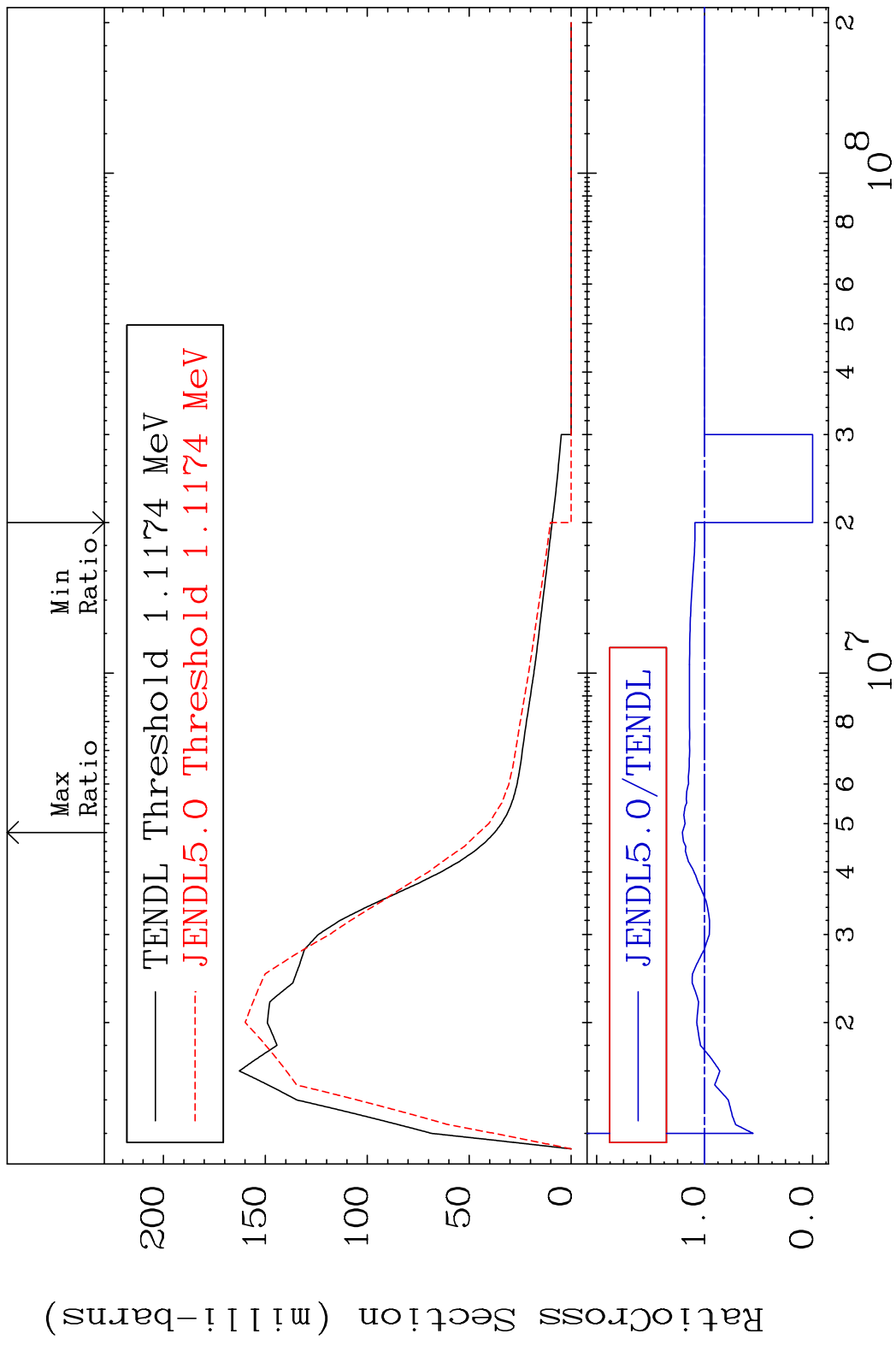


11 Incident Energy (eV) 44-Ru-102

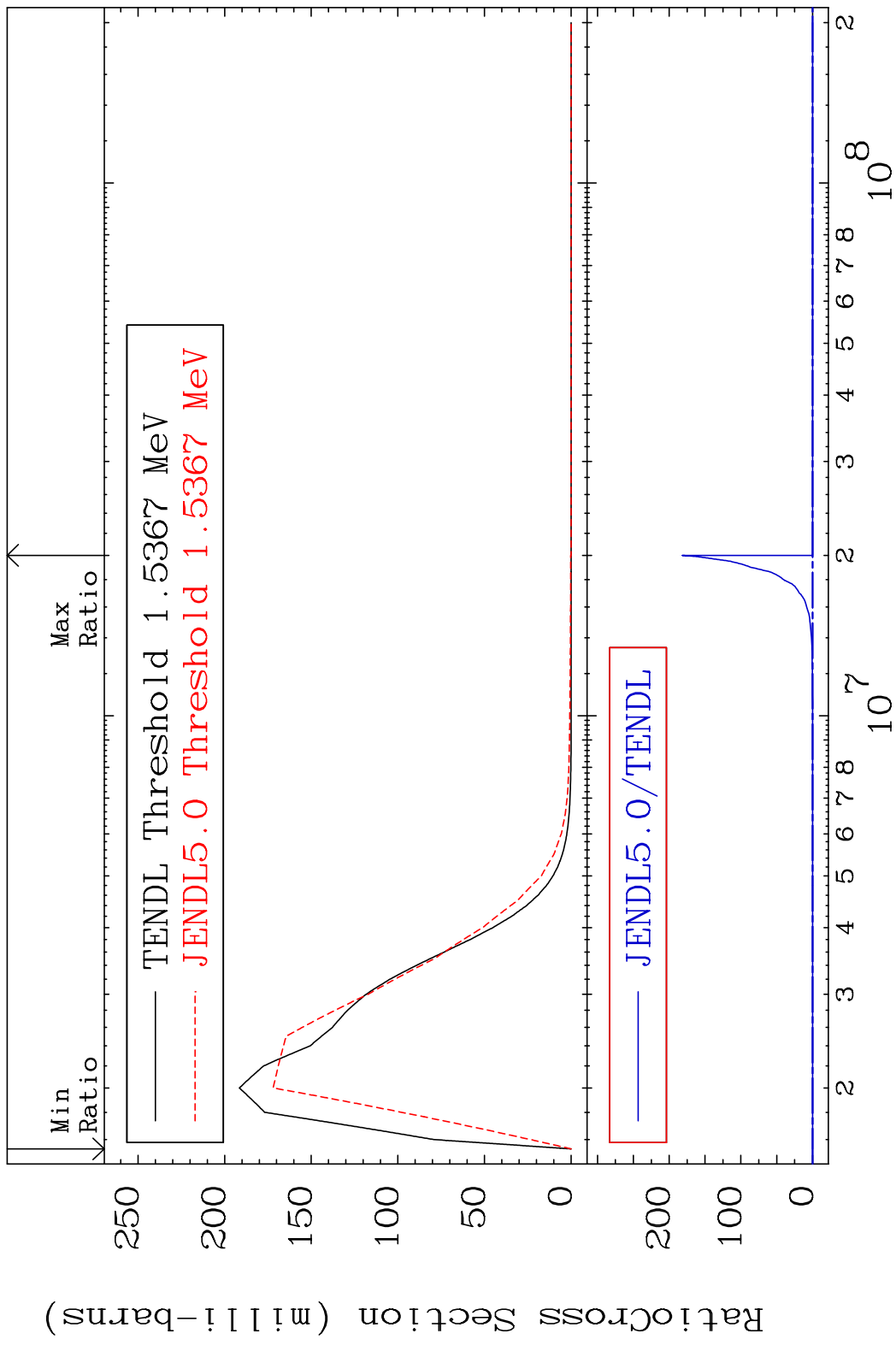
MAT 4443 MT= 53 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 5.202 %



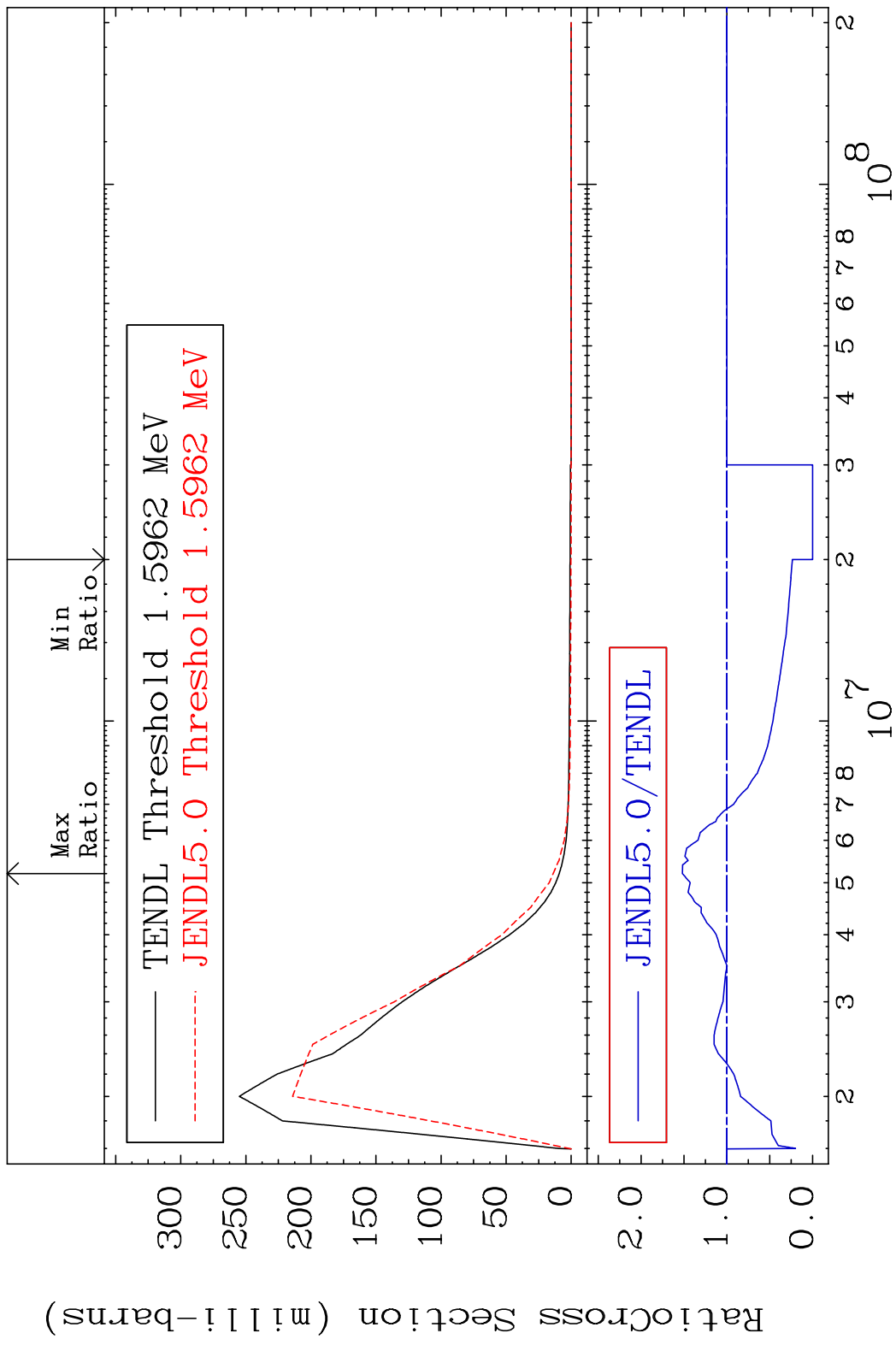
MAT 4443 MT= 54 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 20.55 %



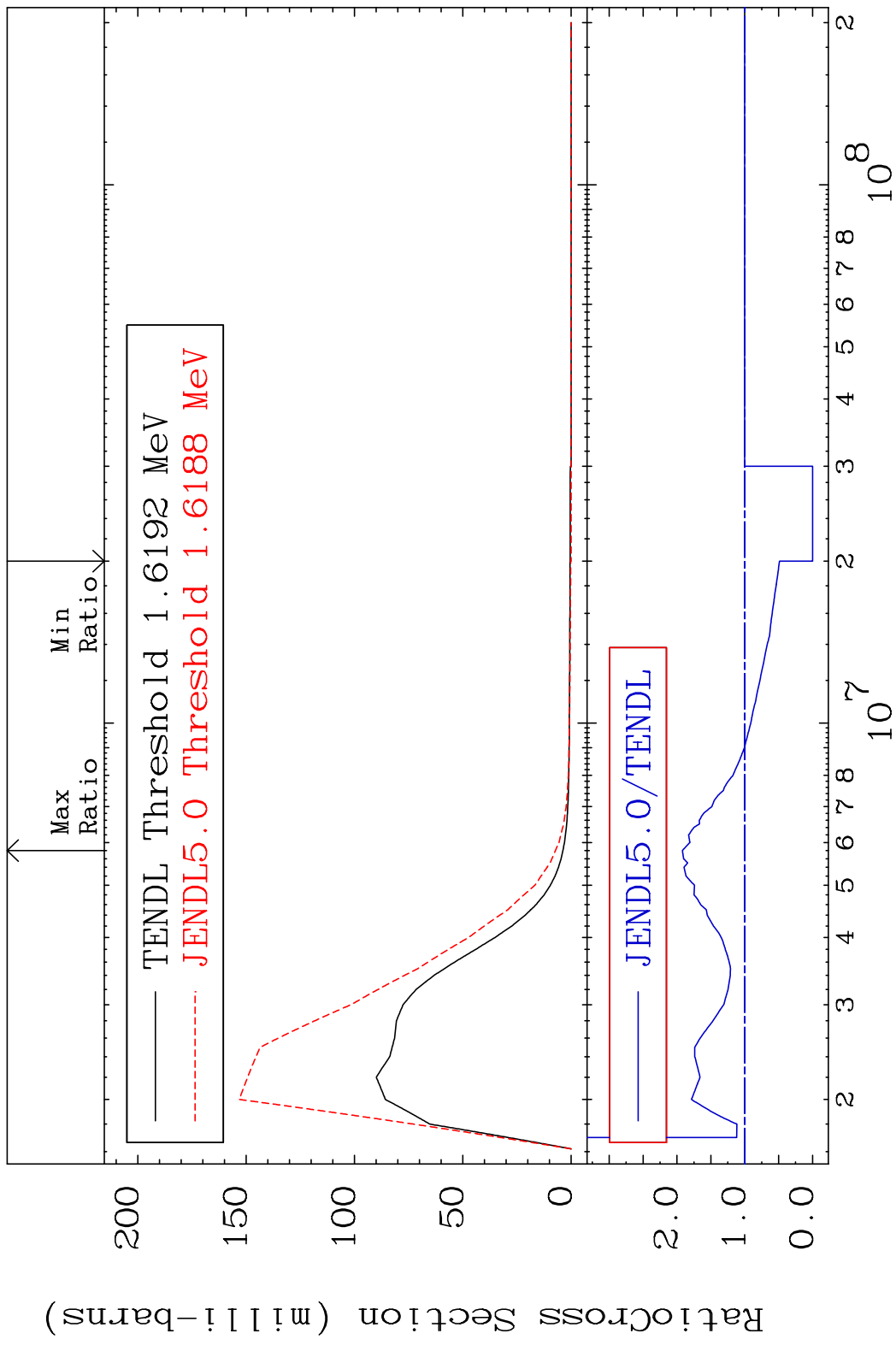
MAT 4443 MT= 55 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %



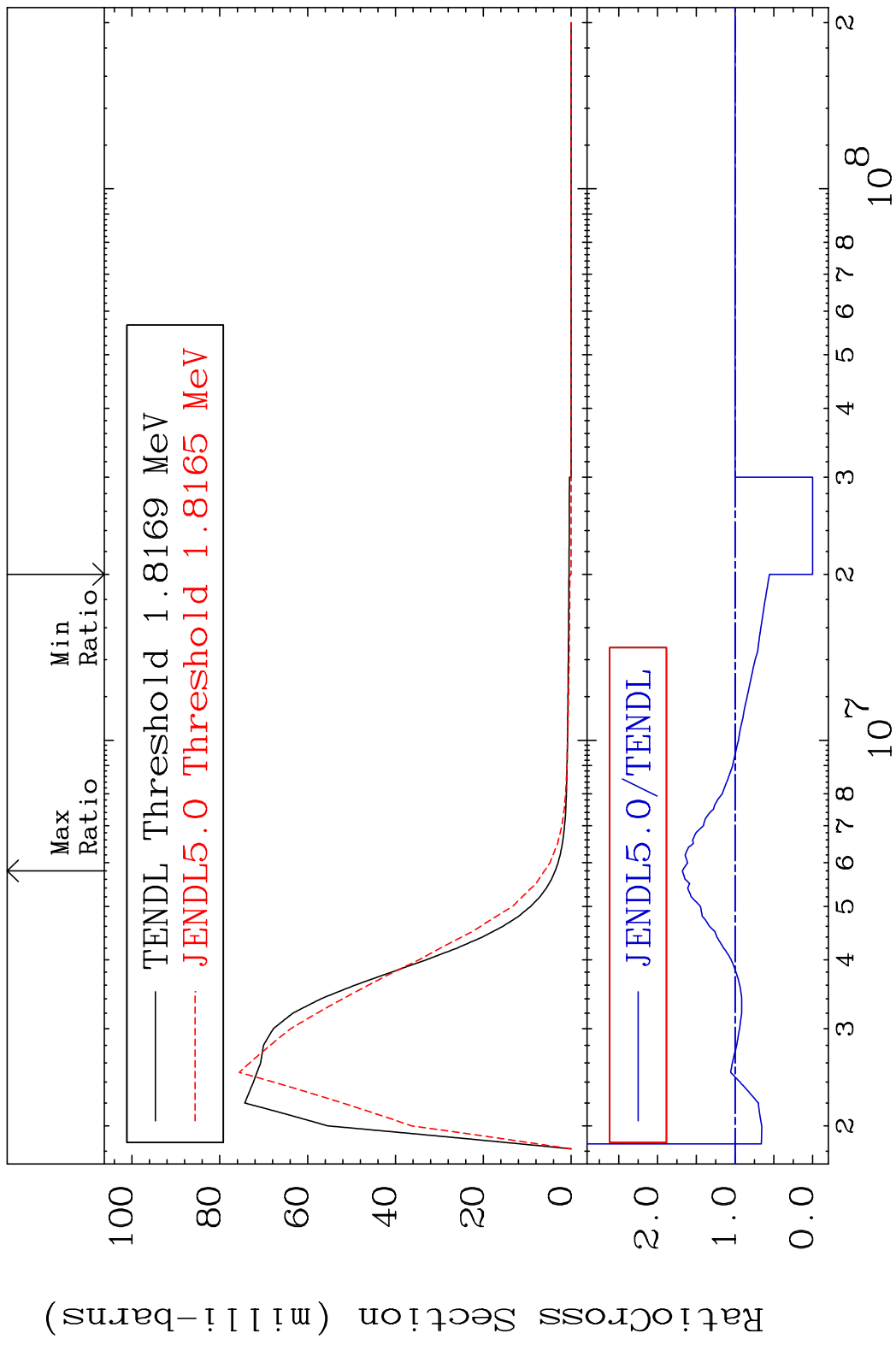
MAT 4443 MT= 56 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 51.93 %



MAT 4443 MT= 57 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 92.04 %

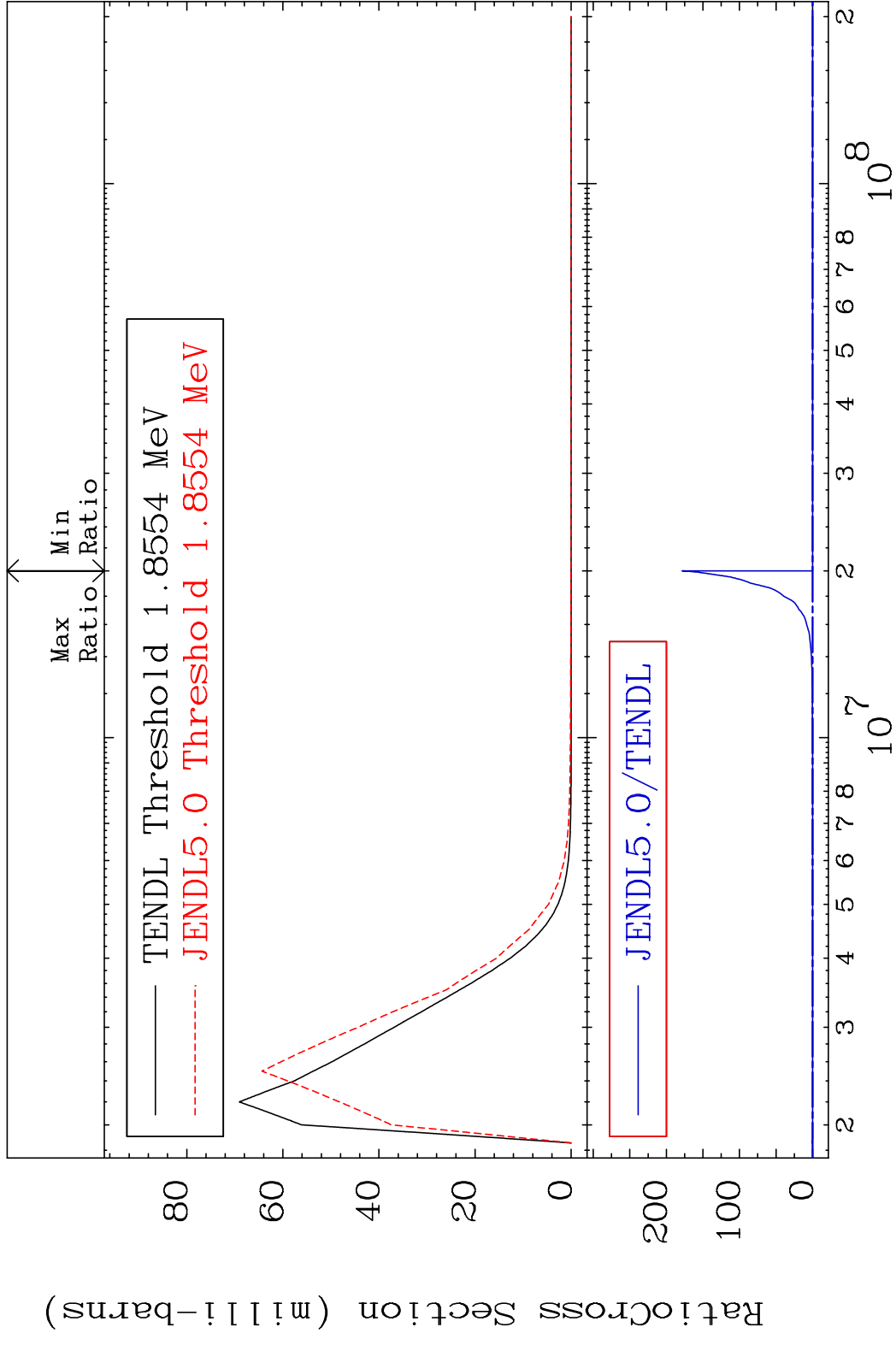


MAT 4443 MT= 58 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 67.92 %

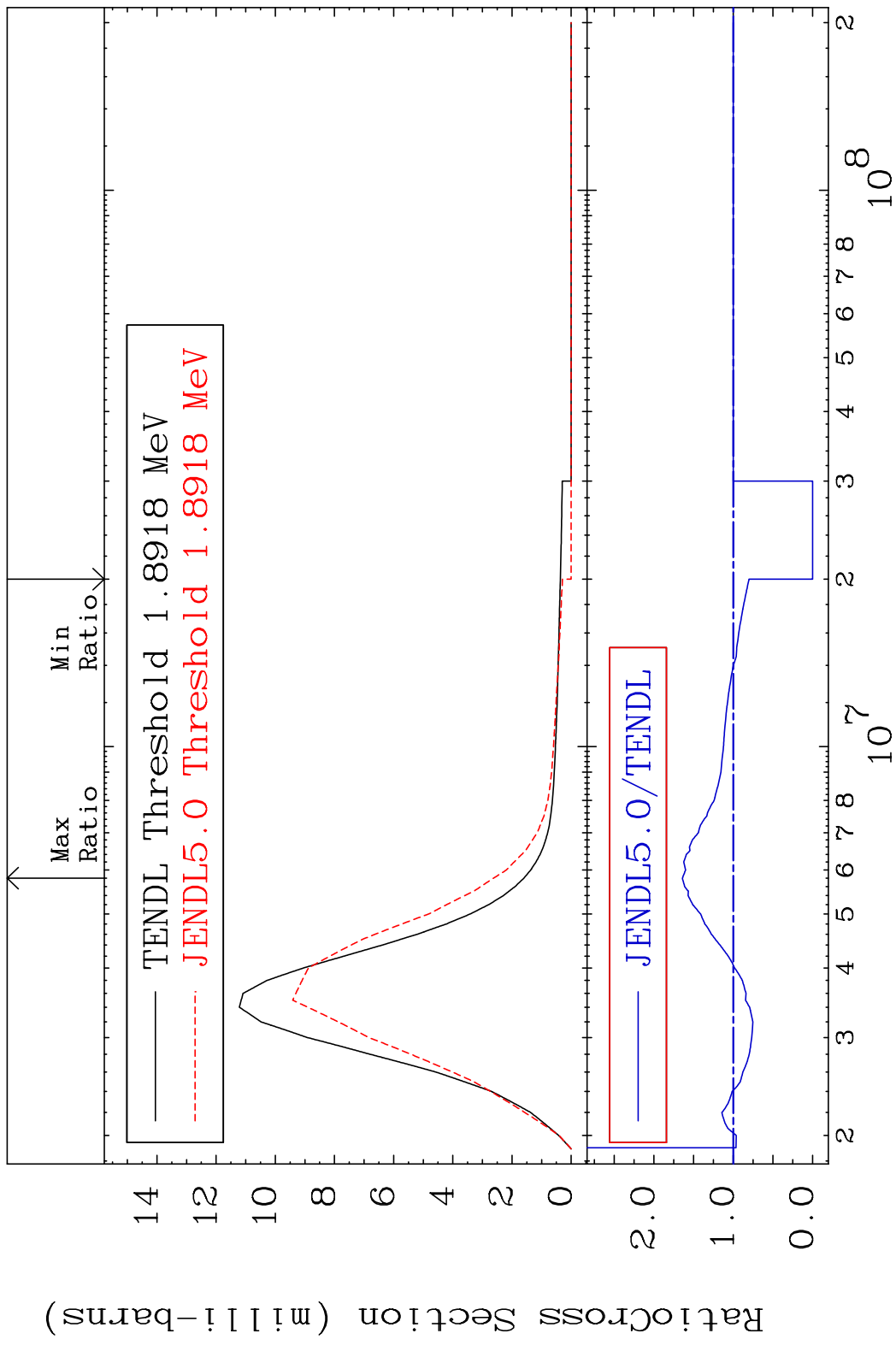


17 Incident Energy (eV) 44-Ru-102

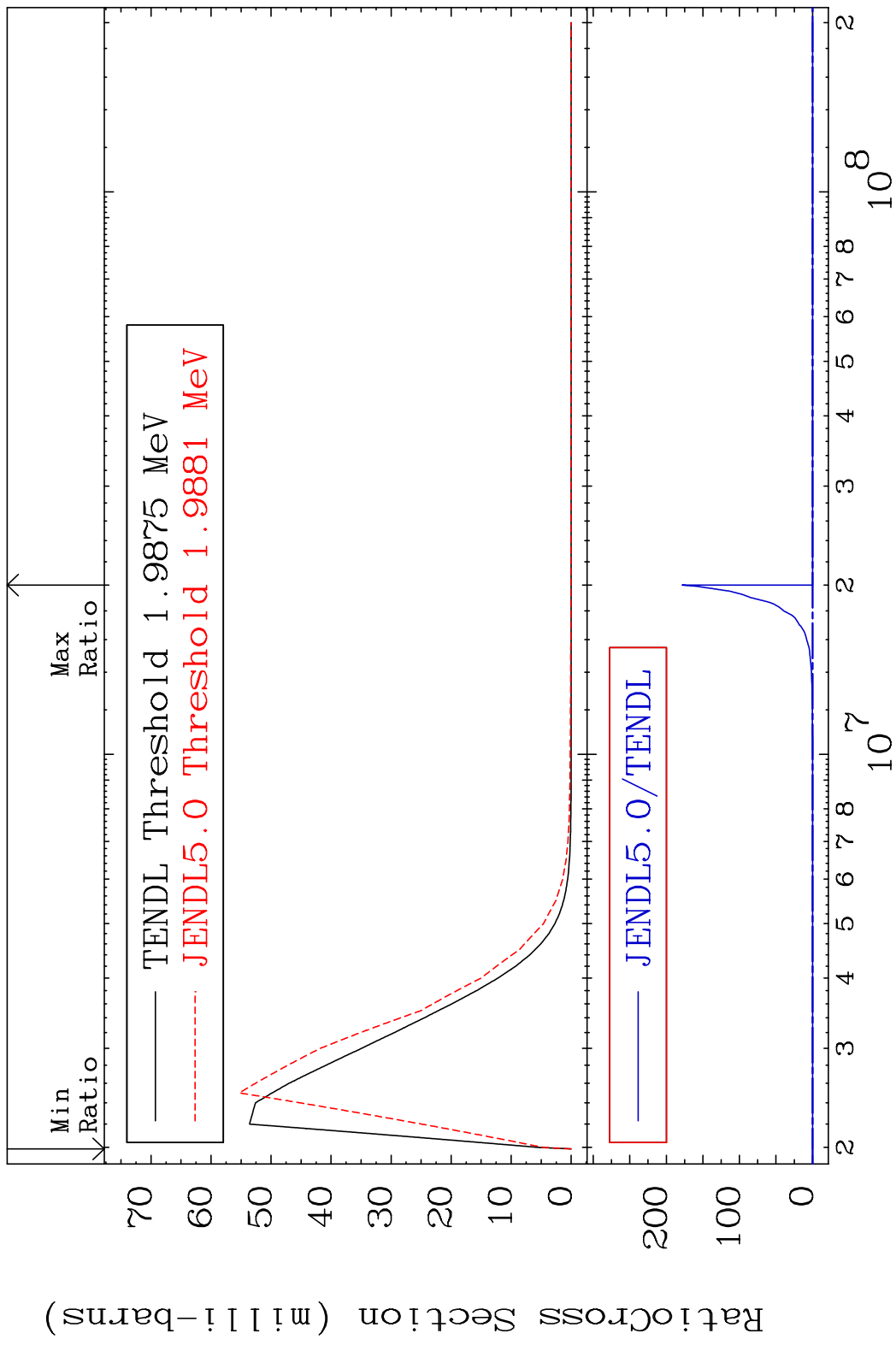
MAT 4443 MT= 59 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %



MAT 4443 MT= 60 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 64.07 %

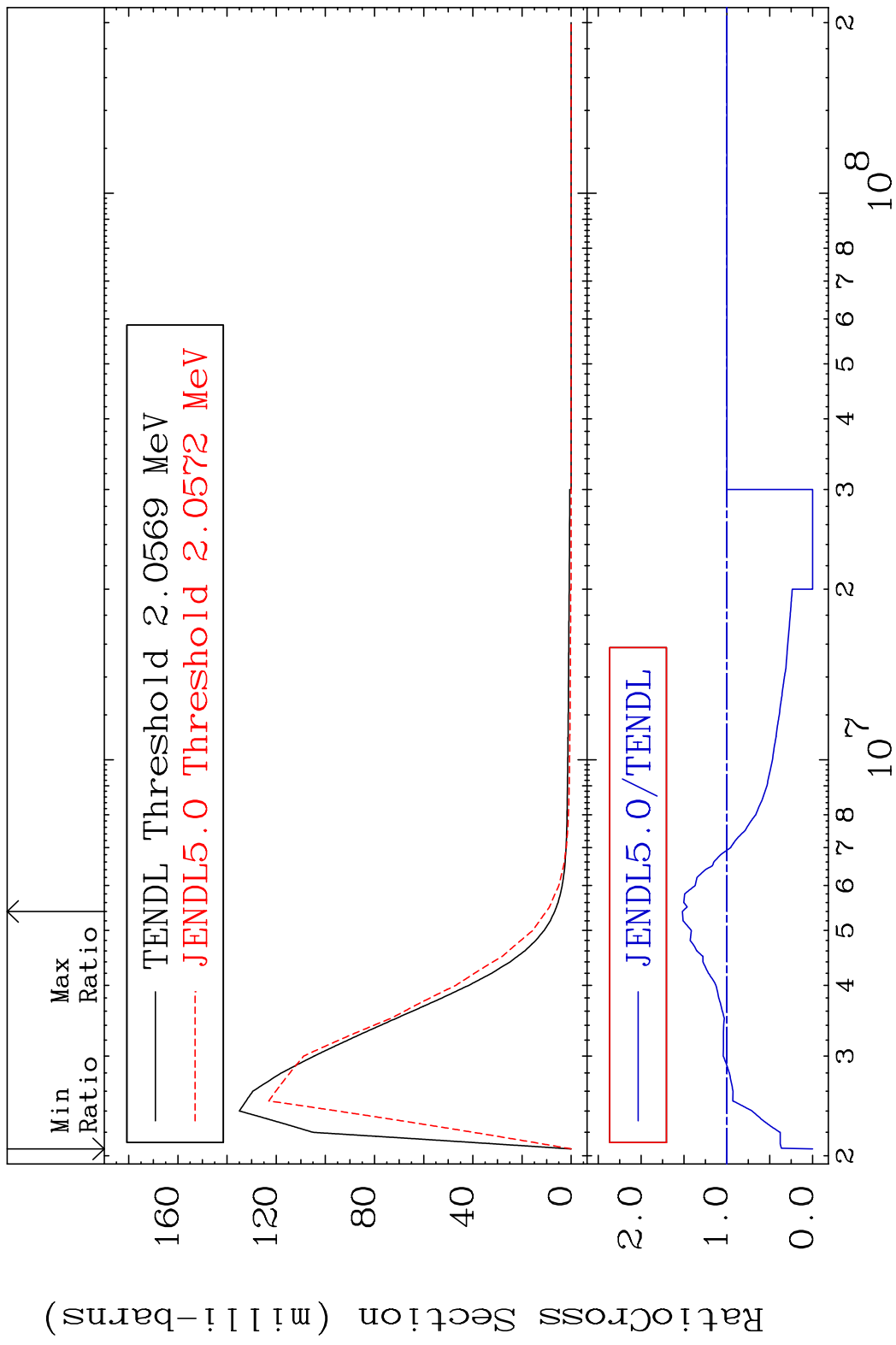


MAT 4443 MT= 61 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %

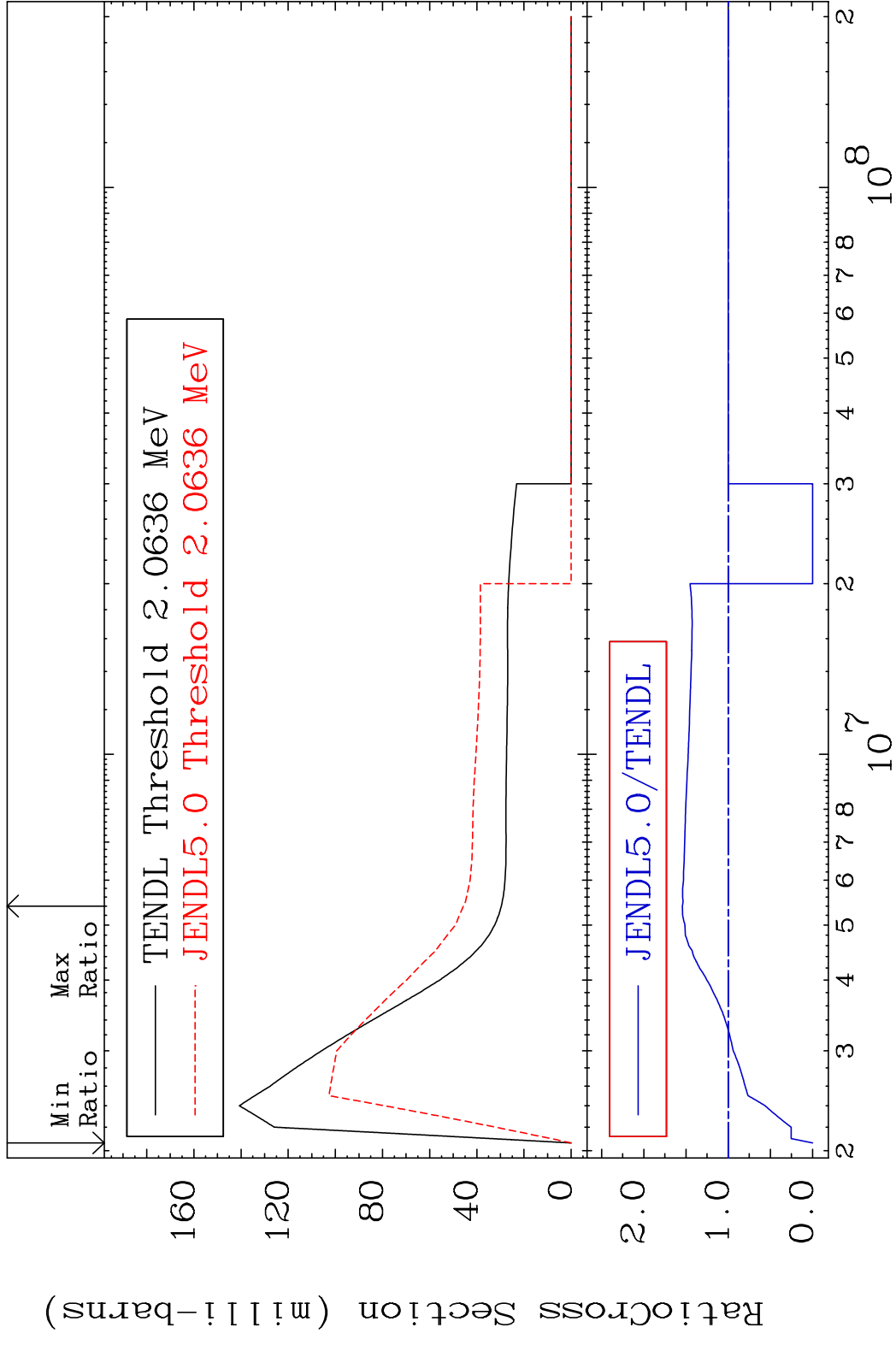


20 44-Ru-102

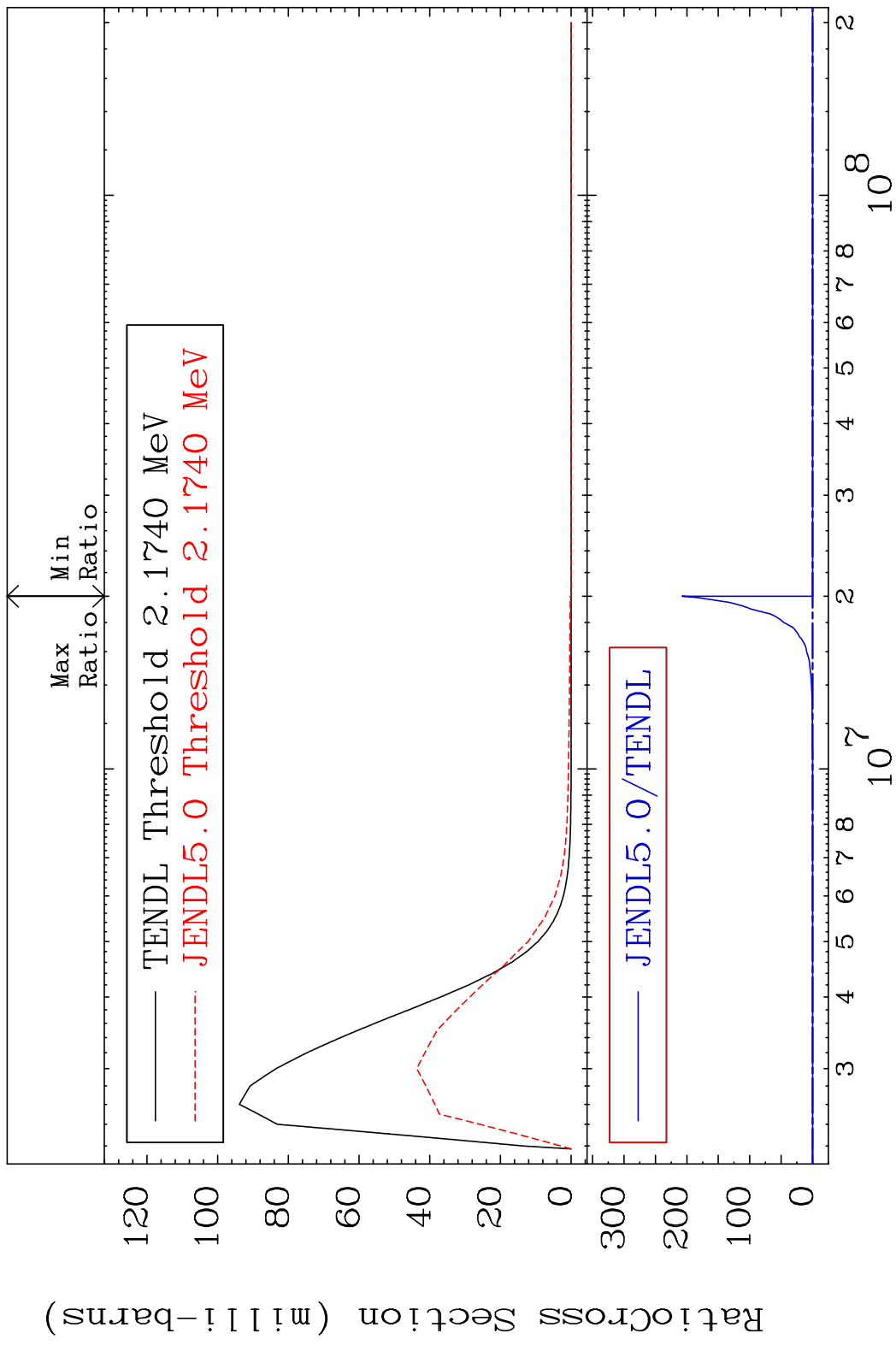
MAT 4443 MT= 62 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 51.85 %



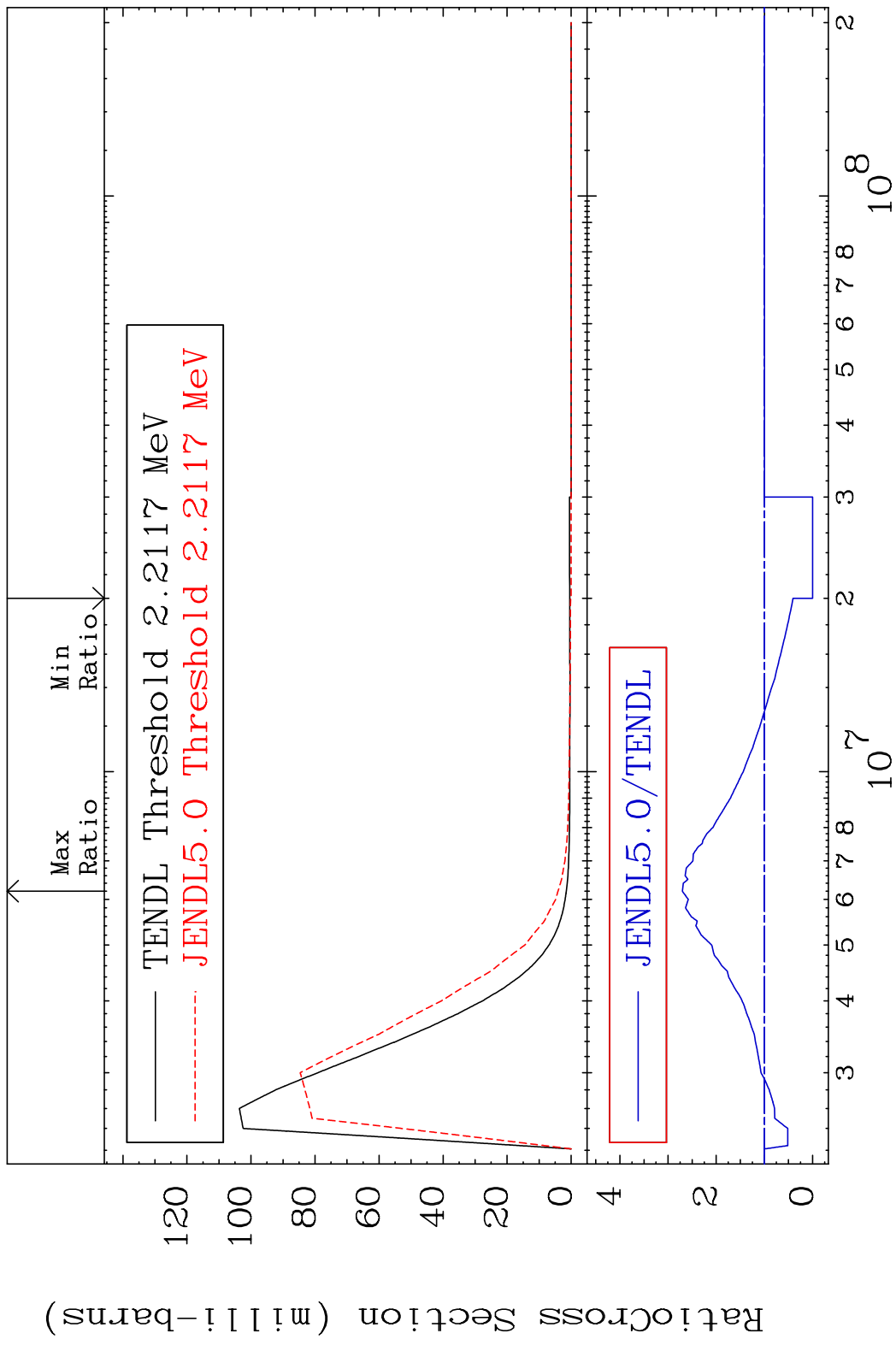
MAT 4443 MT= 63 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 54.31 %



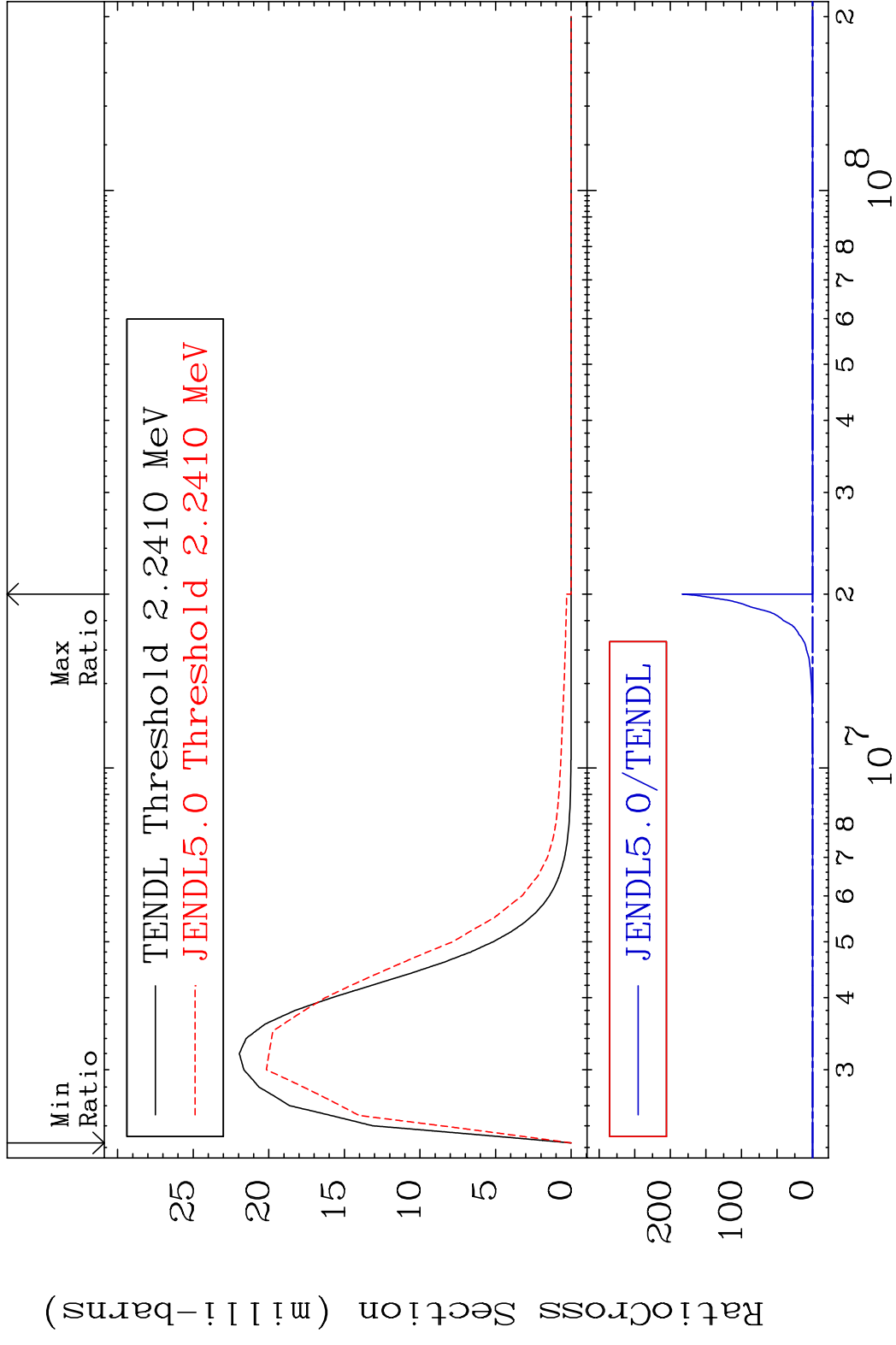
MAT 4443 MT= 64 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %



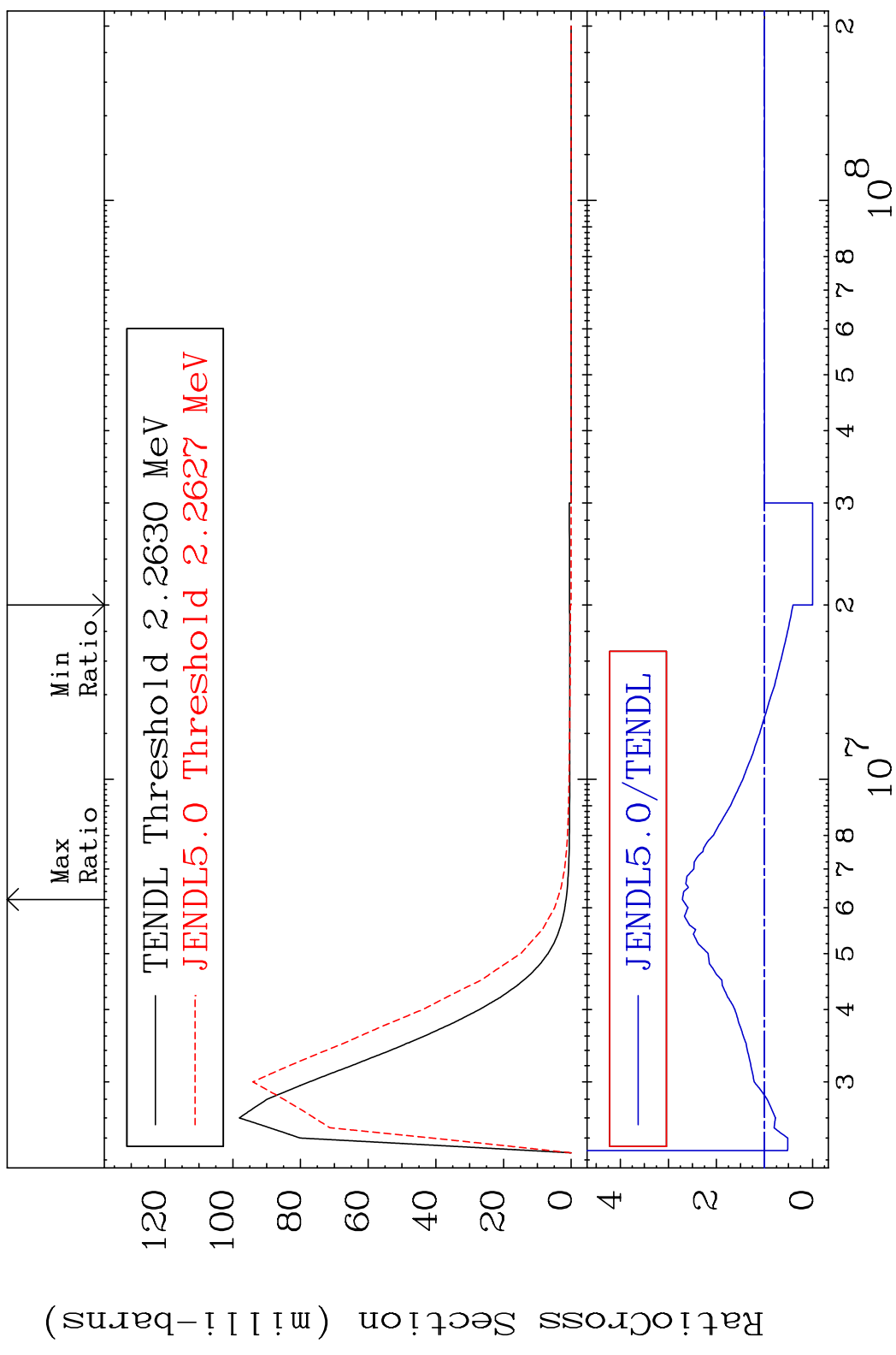
MAT 4443 MT= 65 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 170.3 %



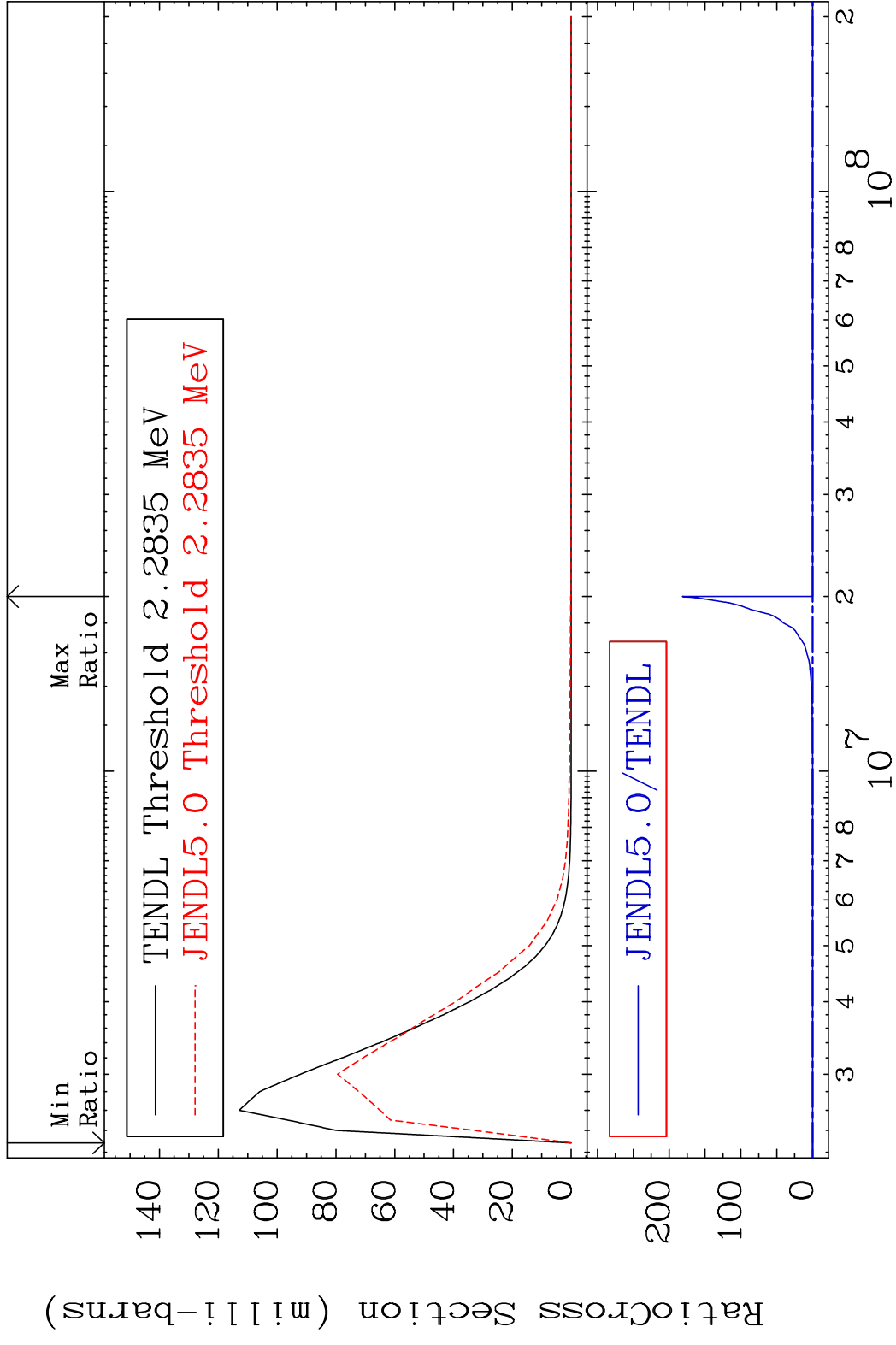
MAT 4443 MT= 66 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %



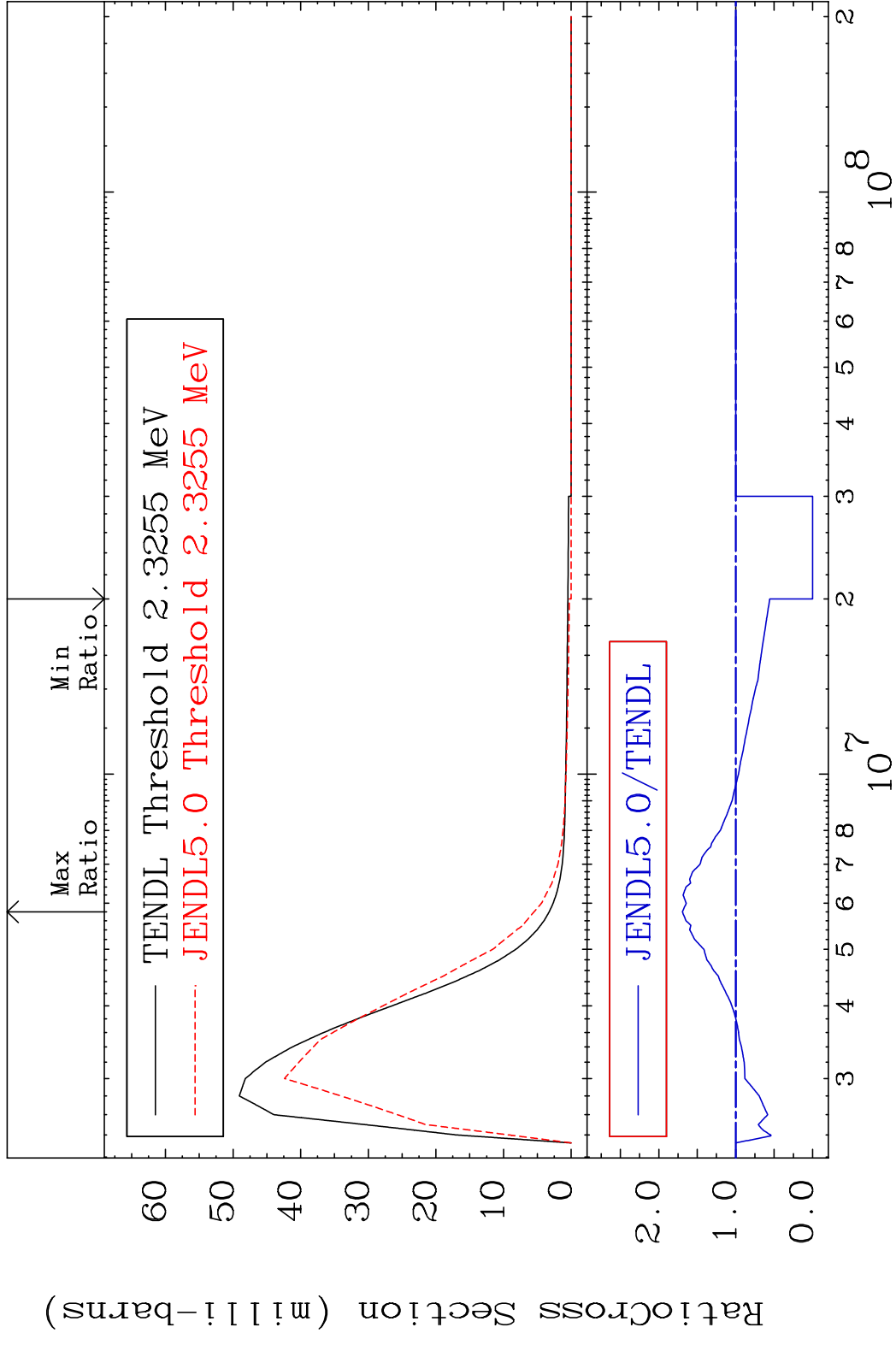
MAT 4443 MT= 67 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 170.9 %



MAT 4443 MT= 68 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %



MAT 4443 MT= 69 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 69.39 %



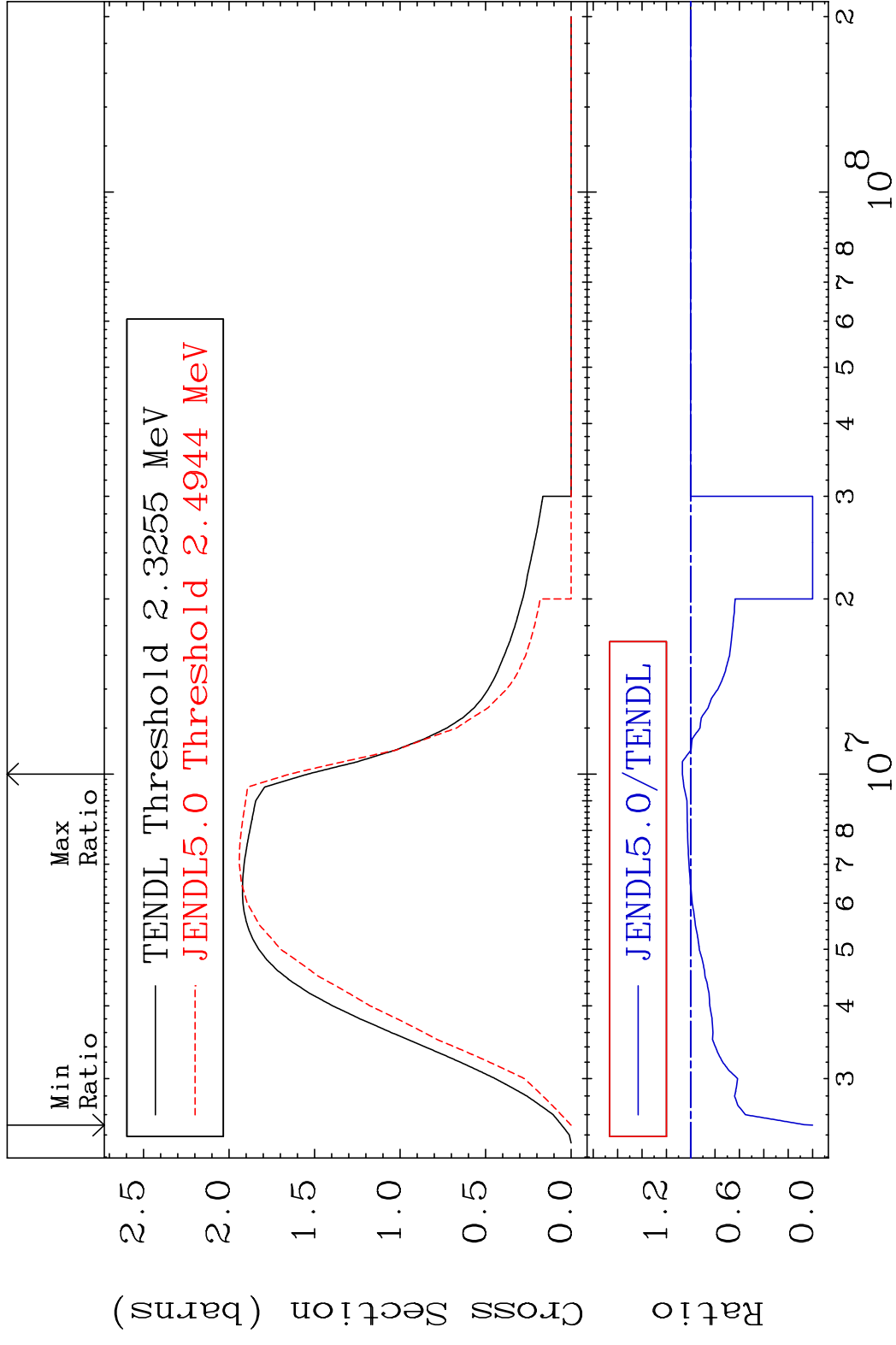
28 Incident Energy (eV) 44-Ru-102

MAT 4443

(n, n') Continuum

44-Ru-102

Cross Section -100.0 To 6.857 %

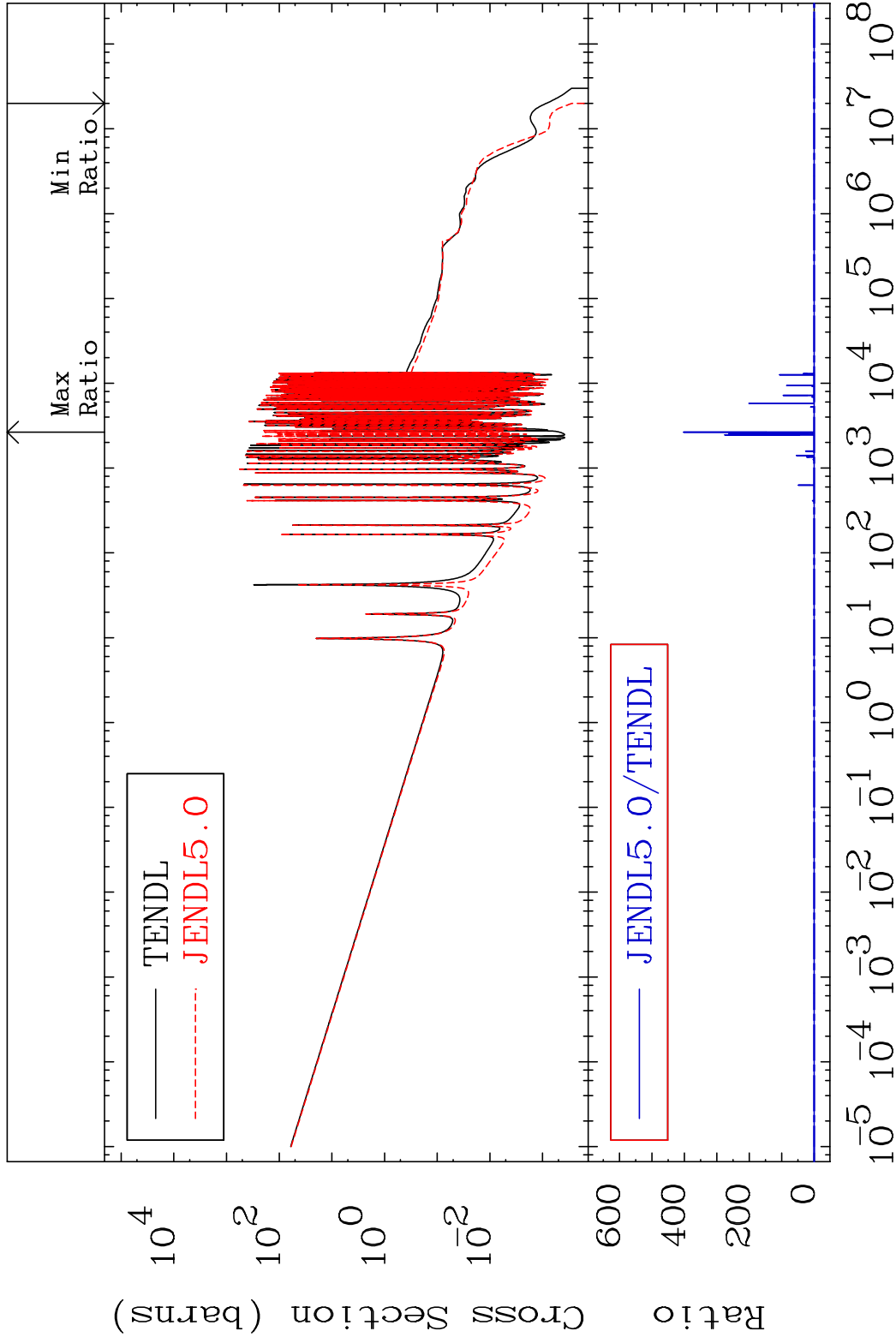


MAT 4443

(n, γ)

44-Ru-102

Cross Section -100.0 To 9999. %

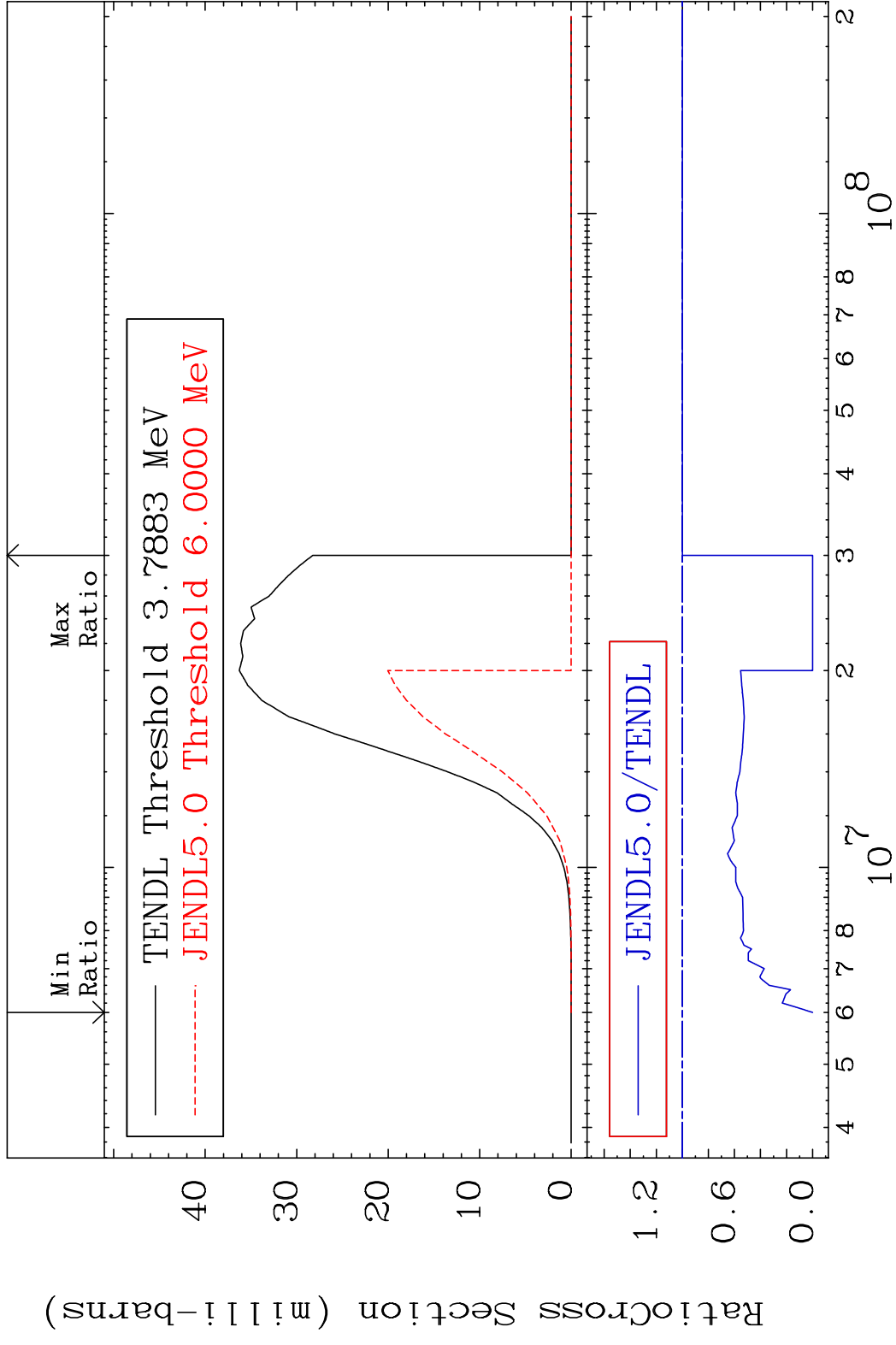


30

Incident Energy (eV)

44-Ru-102

MAT 4443 (n,p) 44-Ru-102
 Cross Section -100.0 To 0.000 %

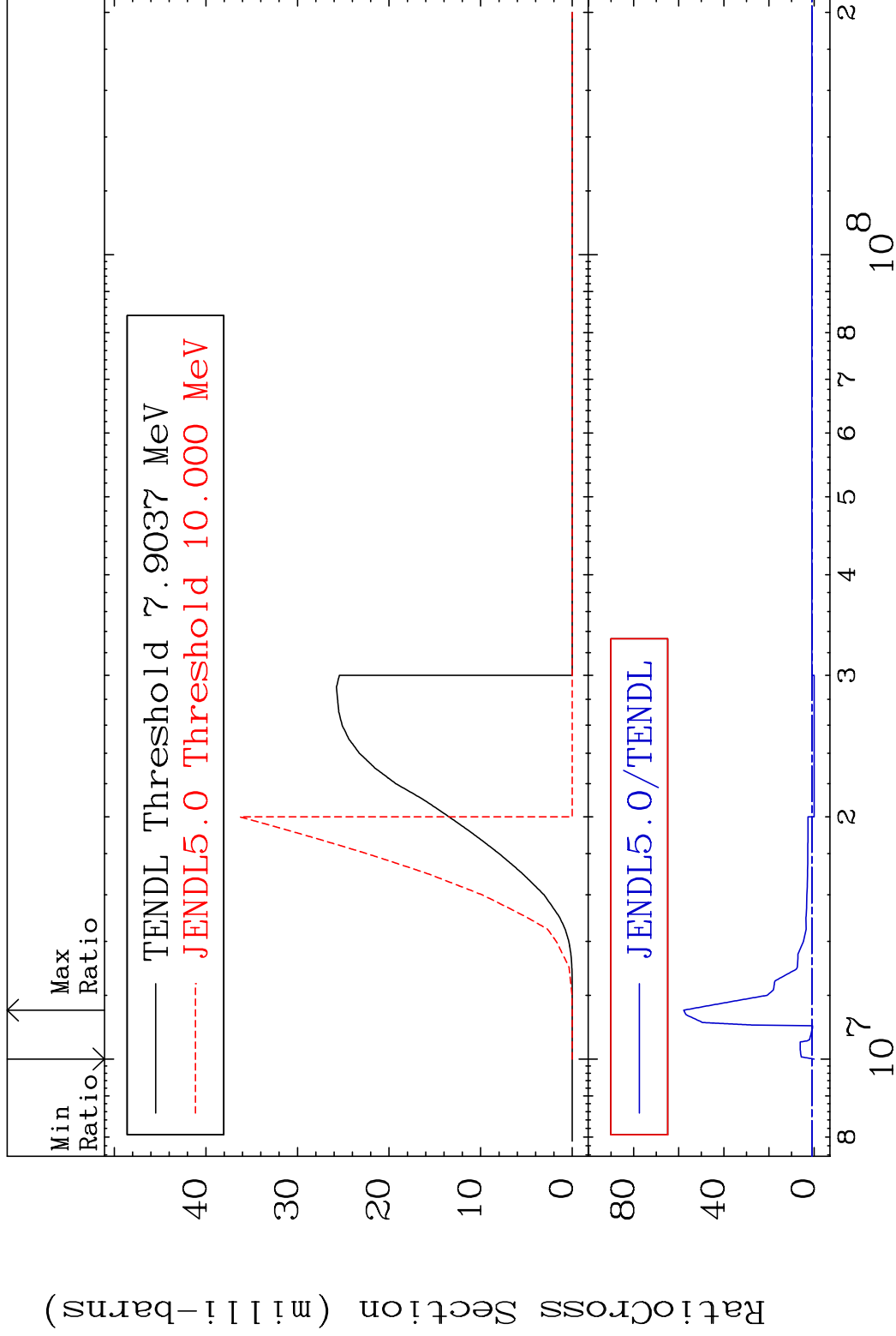


MAT 4443

(n,d)

44-Ru-102

Cross Section -100.0 To 5683. %



32

Incident Energy (eV)

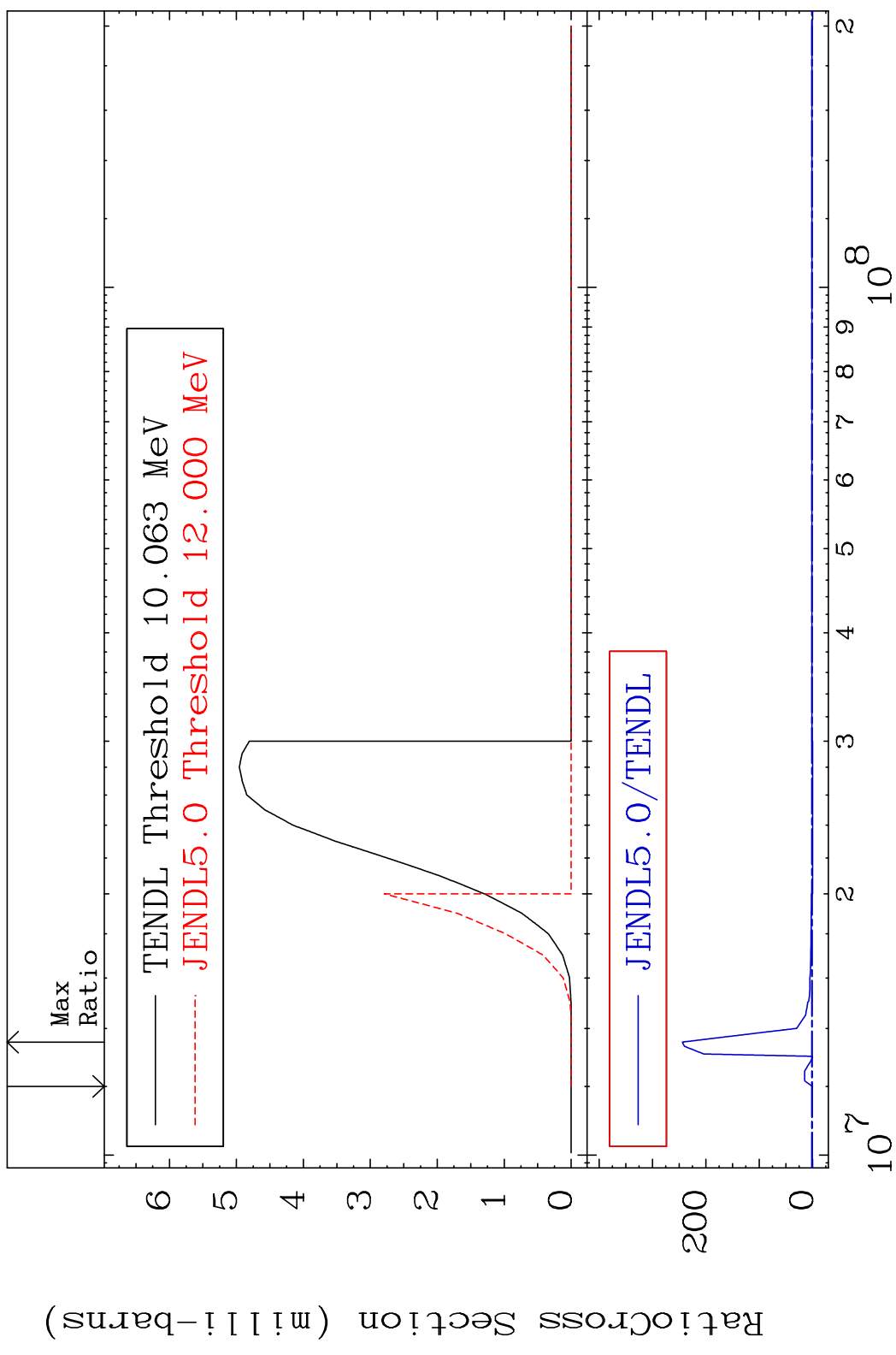
44-Ru-102

MAT 4443

(n, t)

44-Ru-102

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

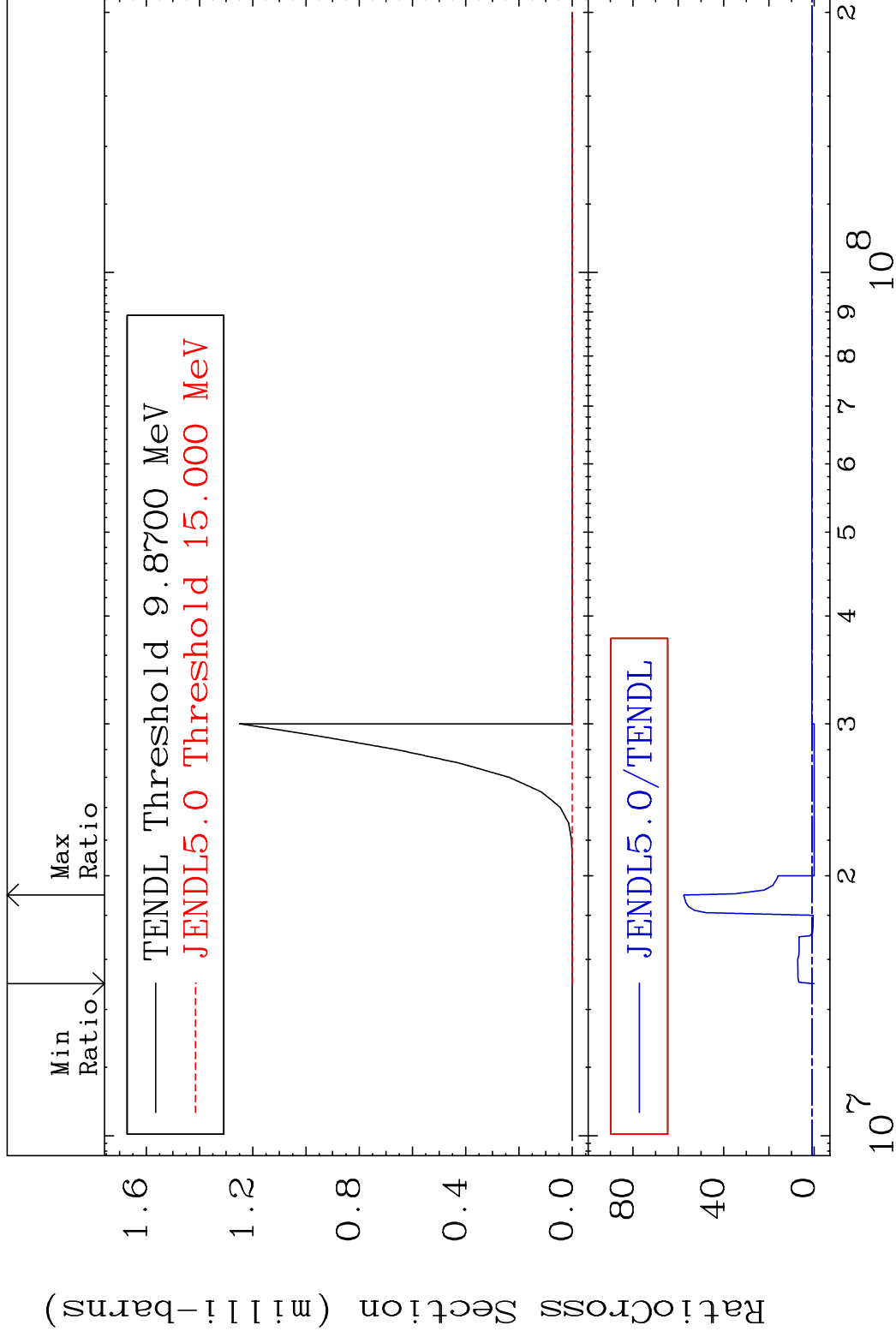
44-Ru-102

MAT 4443

(n, He-3)

44-Ru-102

Cross Section -100.0 To 5664. %



34

Incident Energy (eV)

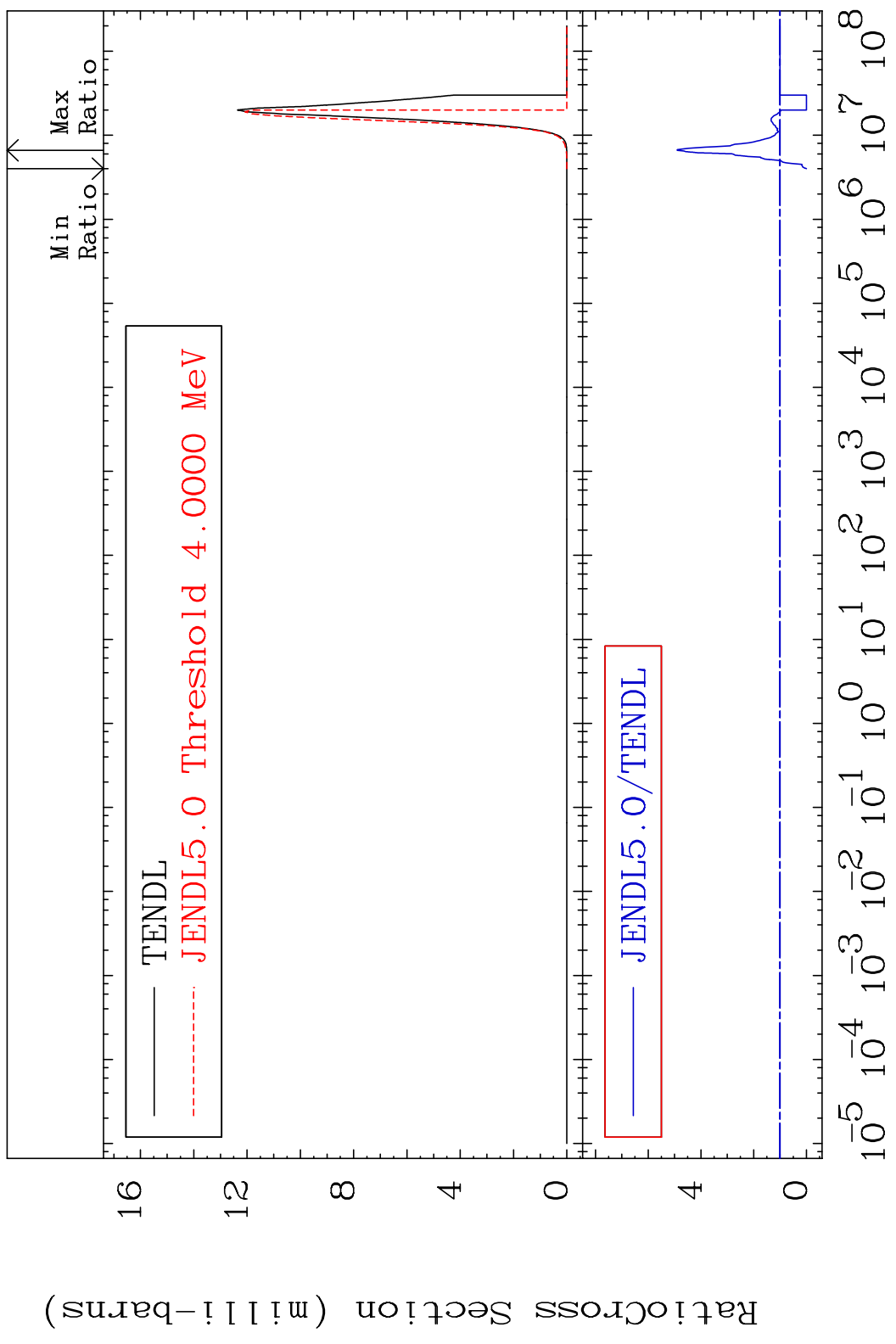
44-Ru-102

MAT 4443

(n, α)

44-Ru-102

Cross Section -100.0 To 389.9 %

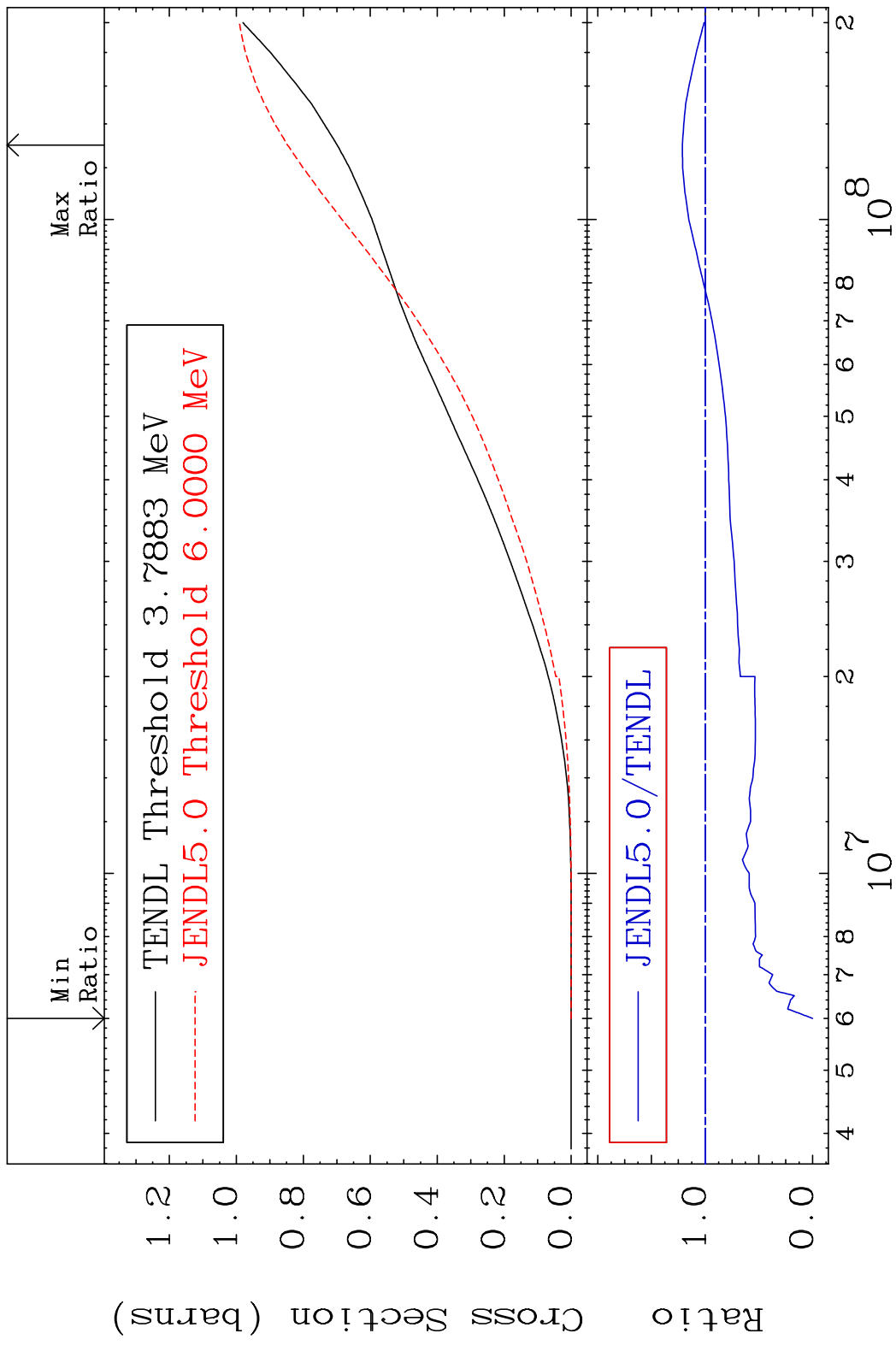


35

Incident Energy (eV)

44-Ru-102

MAT 4443 Hydrogen Production 44-Ru-102
 Cross Section -100.0 To 21.22 %

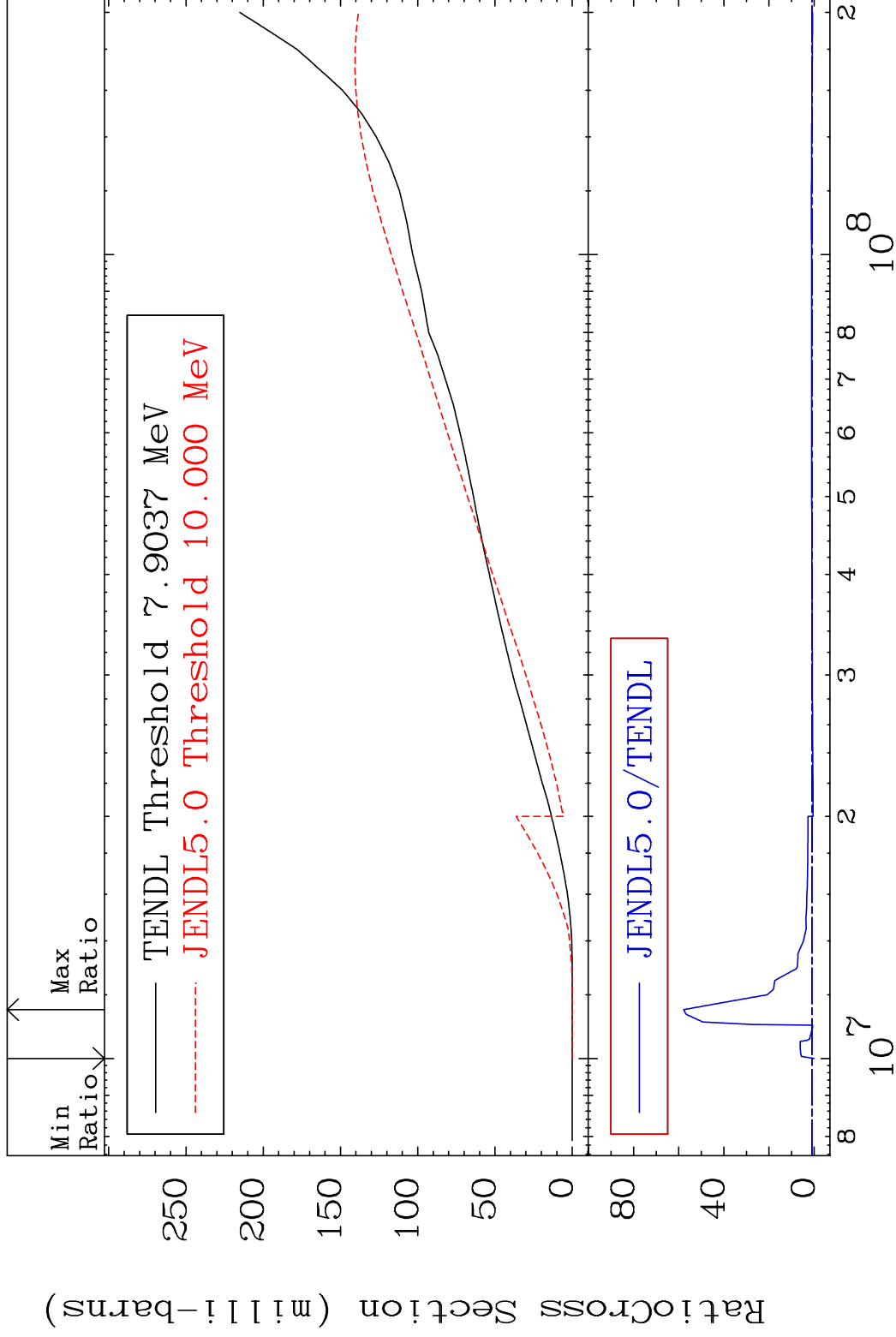


MAT 4443

Deuterium Production

44-Ru-102

Cross Section -100.0 To 5683. %

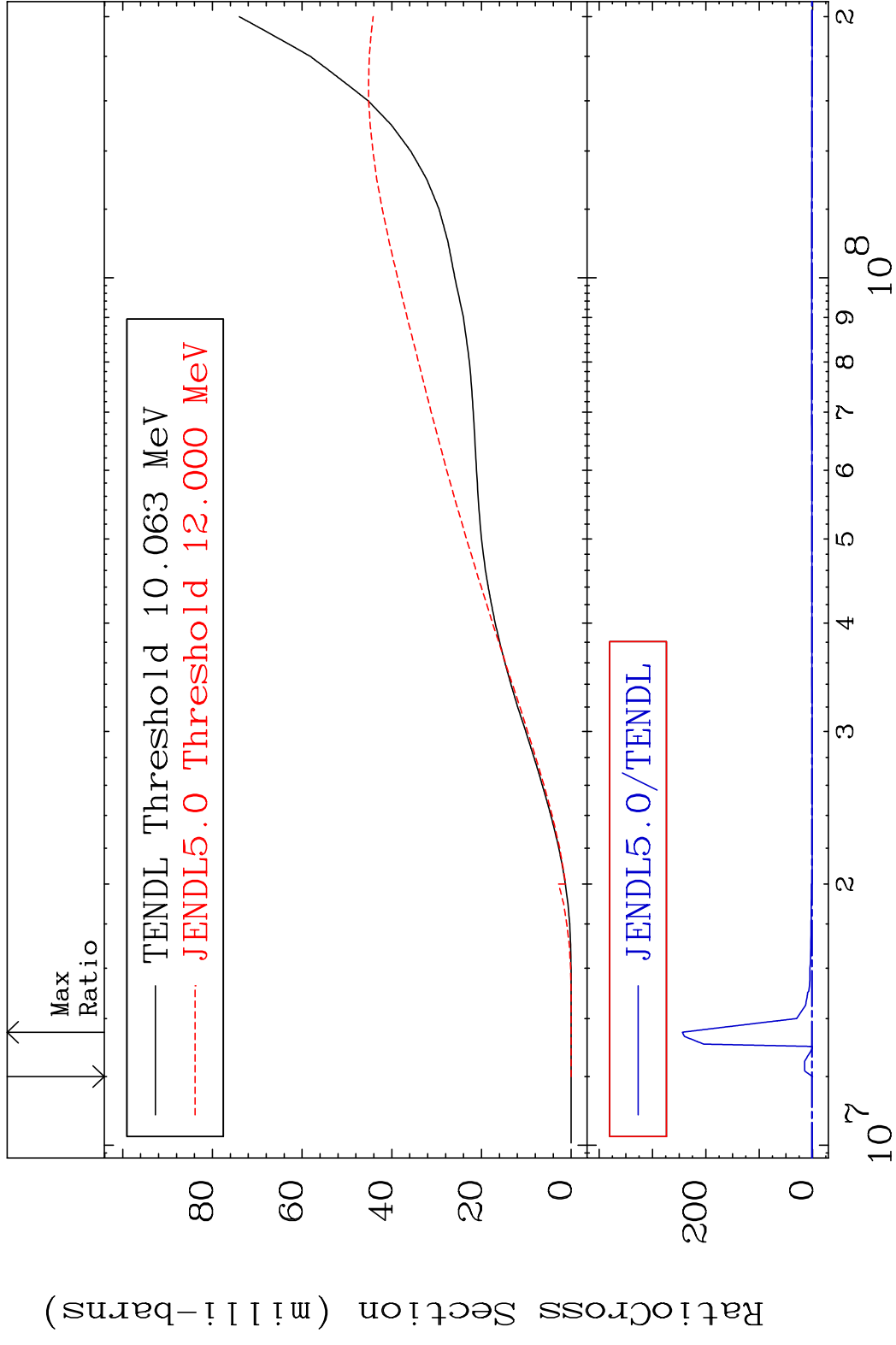


37

Incident Energy (eV)

44-Ru-102

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



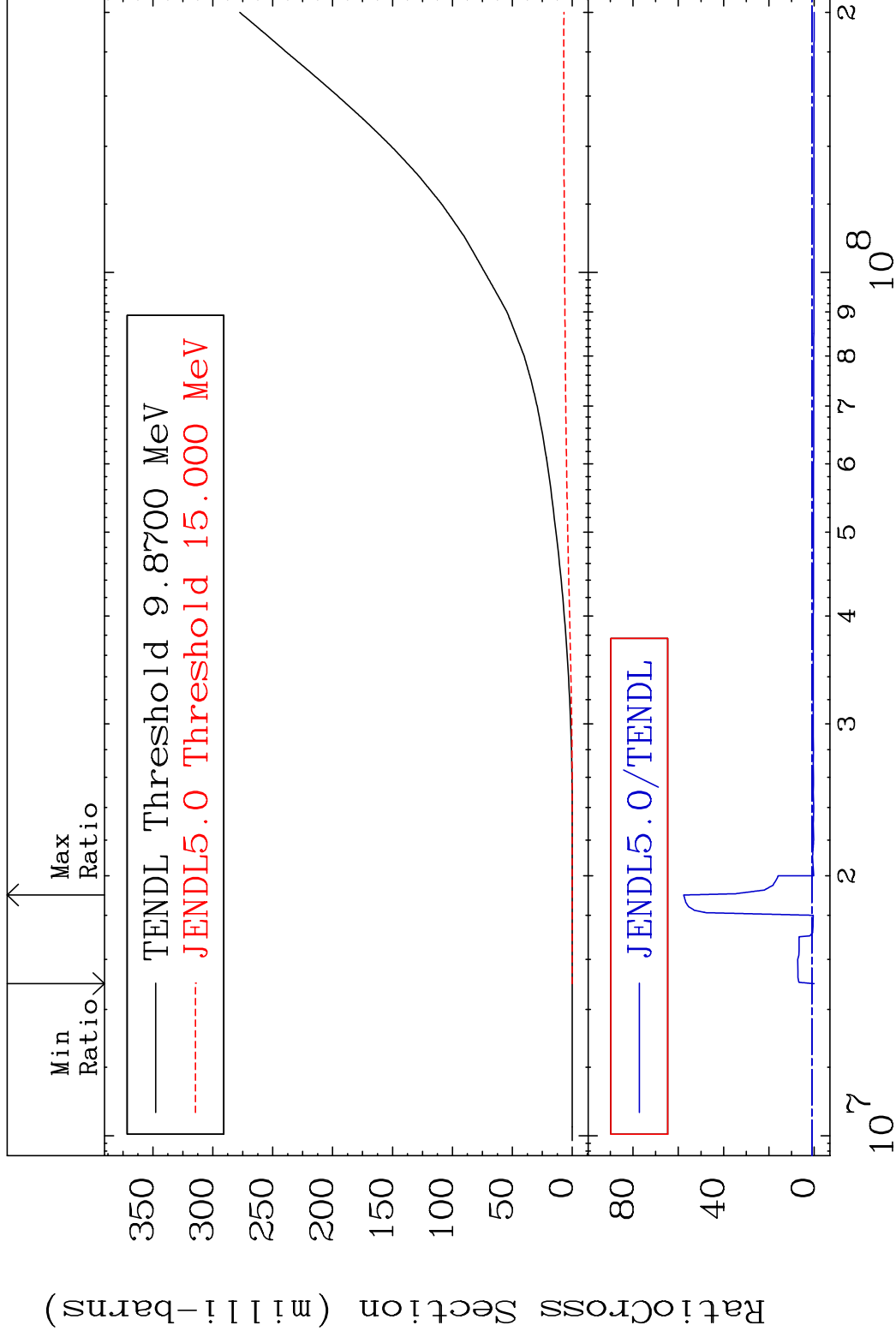
38 44-Ru-102

MAT 4443

He-3 Production

44-Ru-102

Cross Section -100.0 To 5664. %



39

Incident Energy (eV)

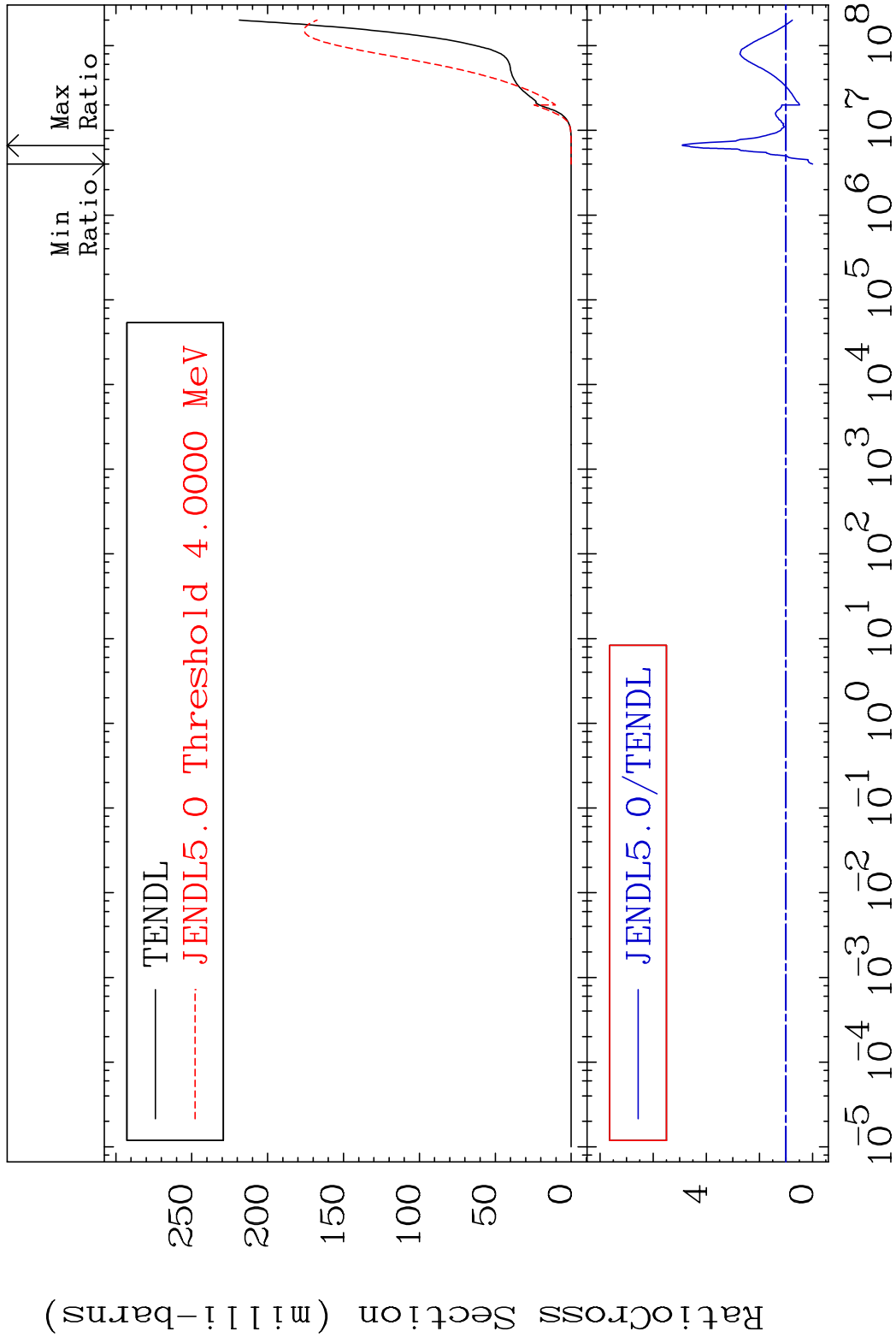
44-Ru-102

MAT 4443

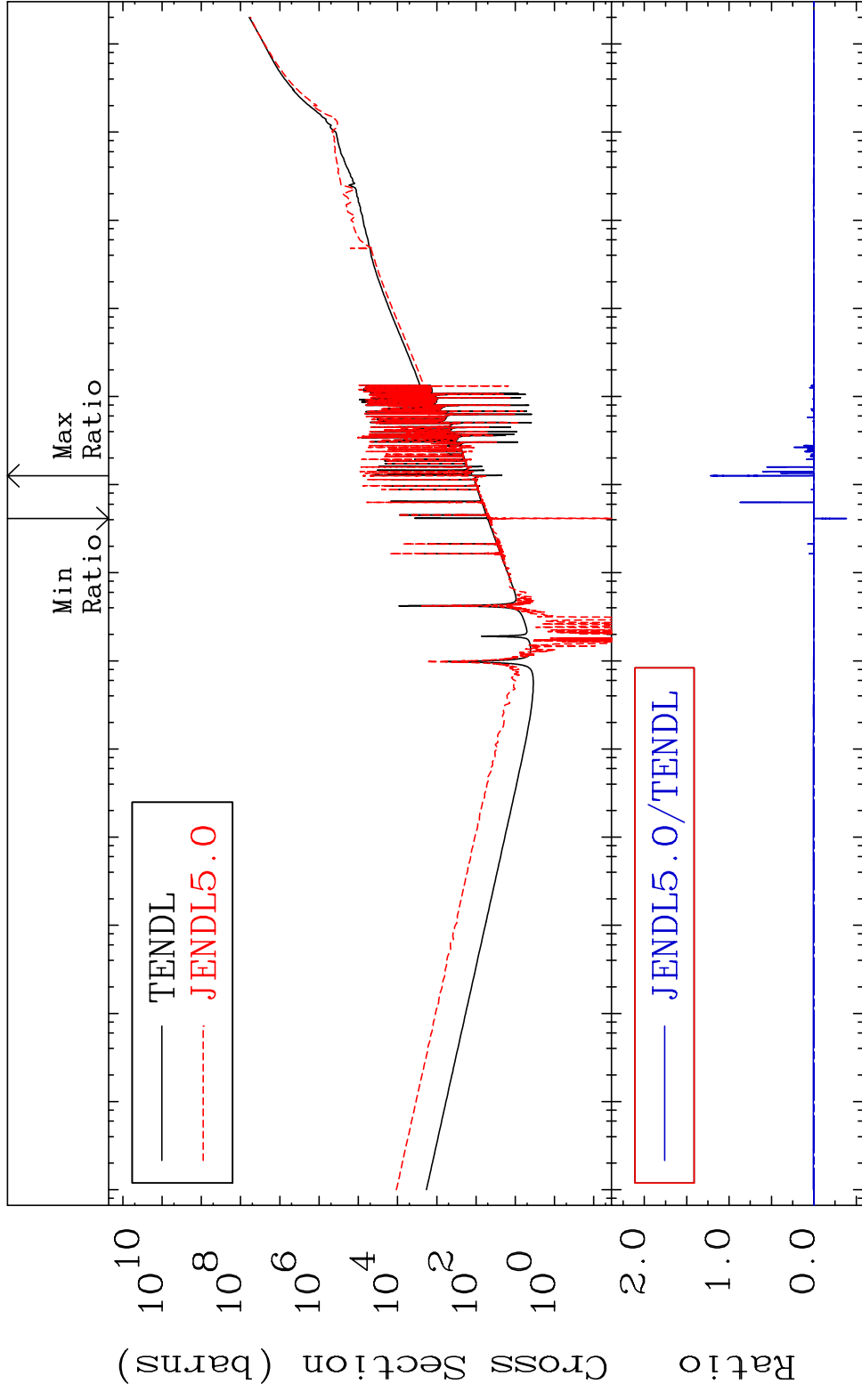
He-4 Production

44-Ru-102

Cross Section -100.0 To 389.9 %

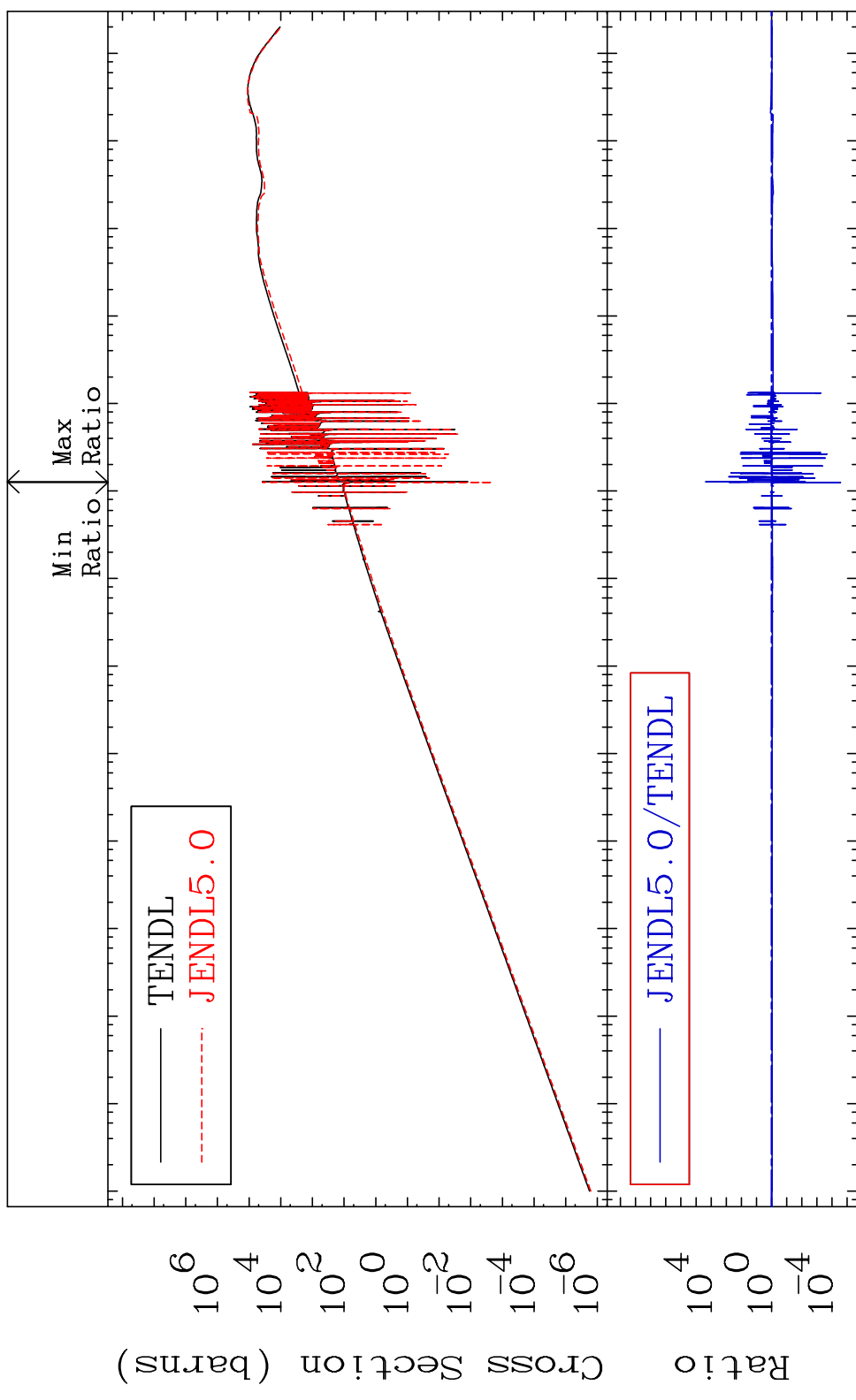


MAT 4443 Kerma total (eV-barns) 44-Ru-102
 Cross Section -9999. To 9999. %

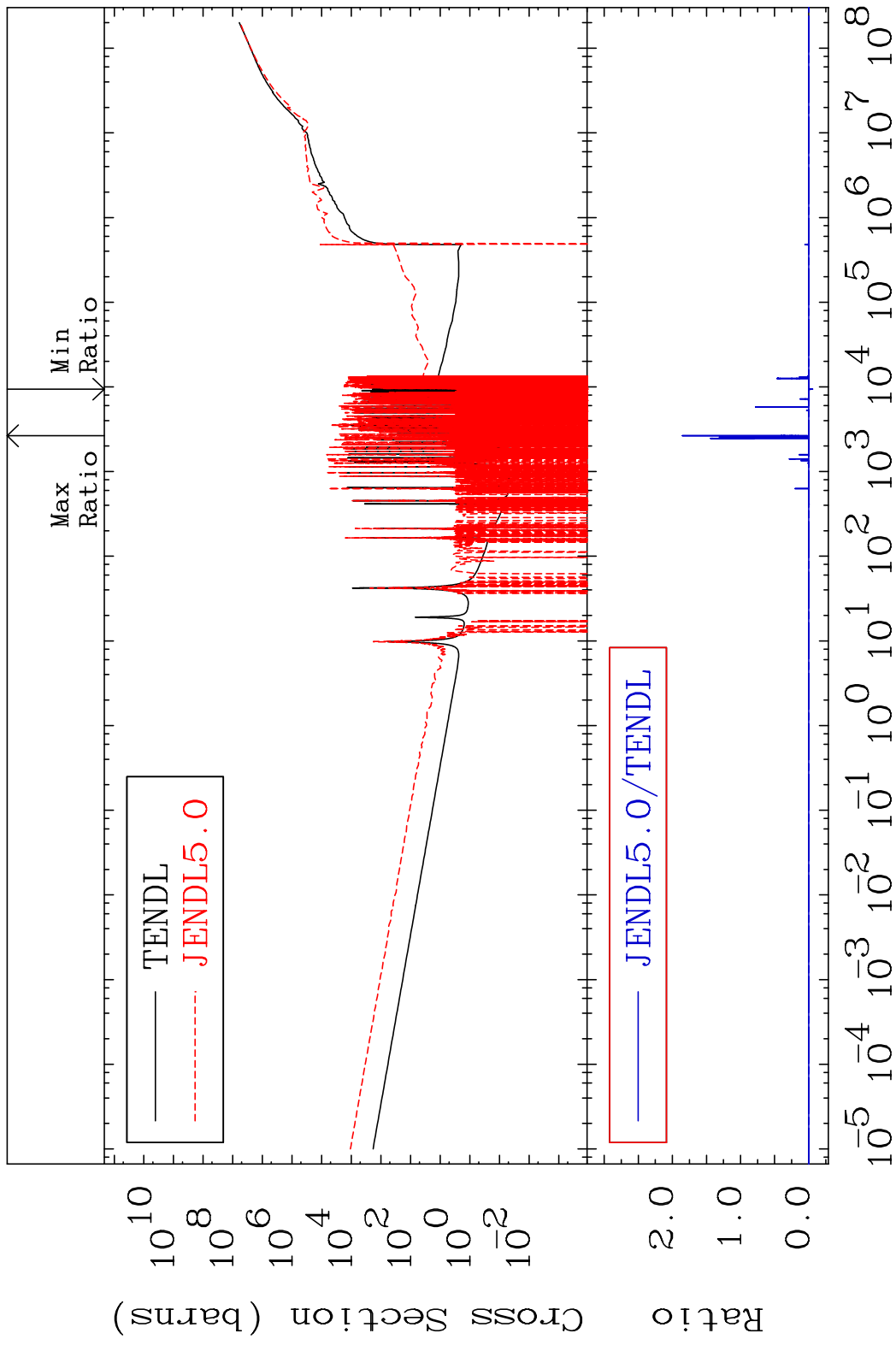


MAT 4443

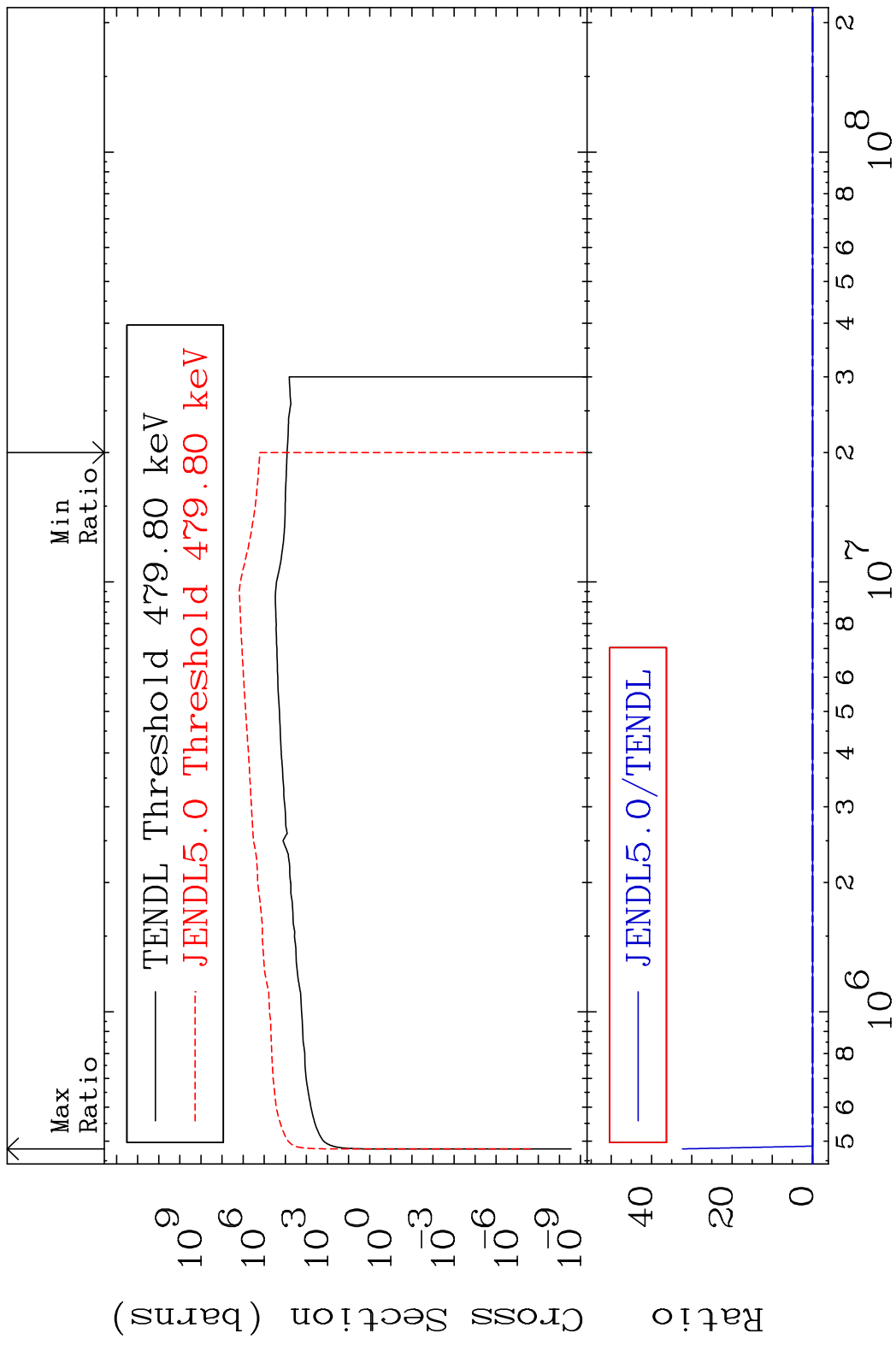
Kerma elastic Cross Section -100.0 To 9999. %
44-Ru-102



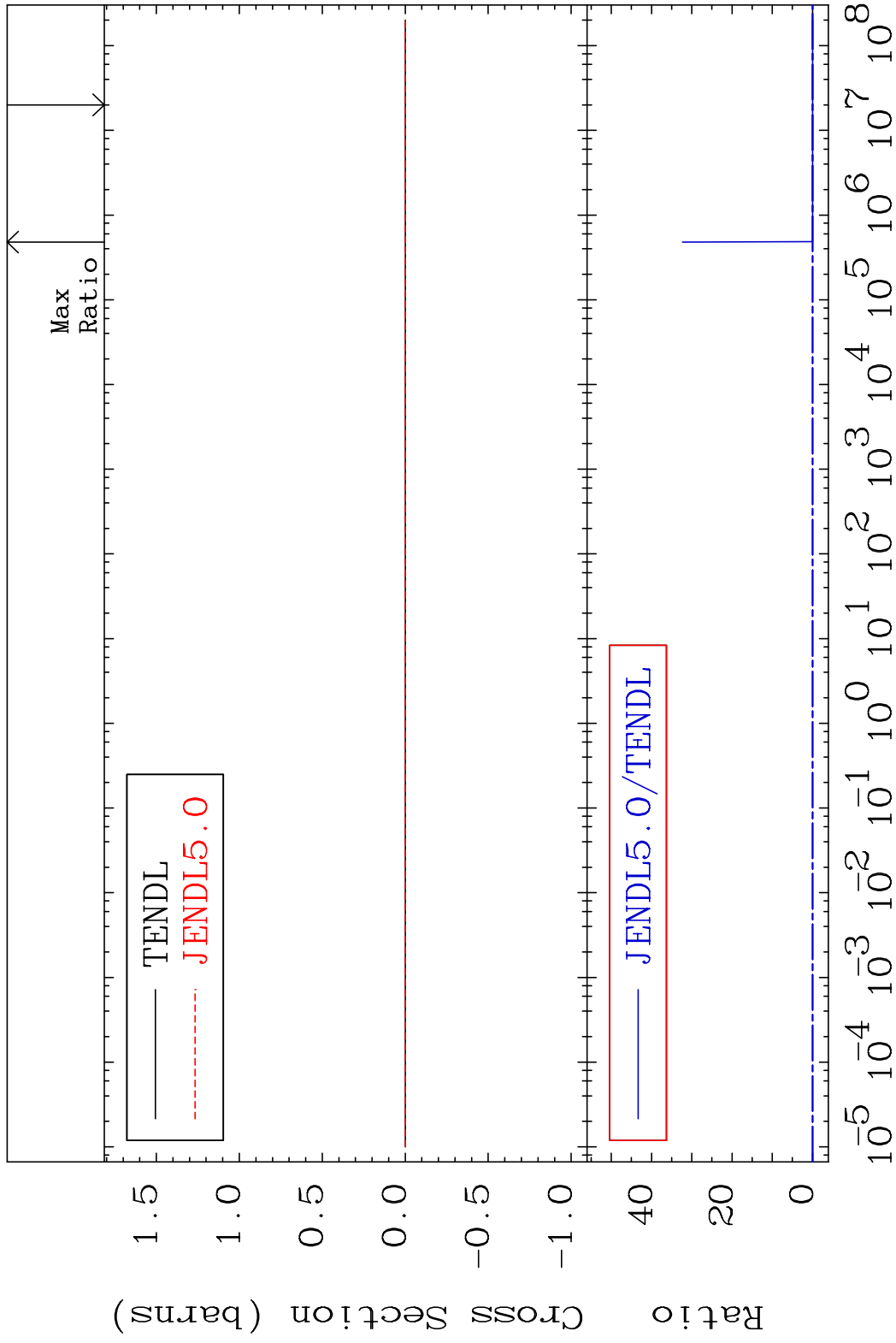
MAT 4443 Kerma non-elastic (all but mt2) 44-Ru-102
 Cross Section -9999. To 9999. %



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

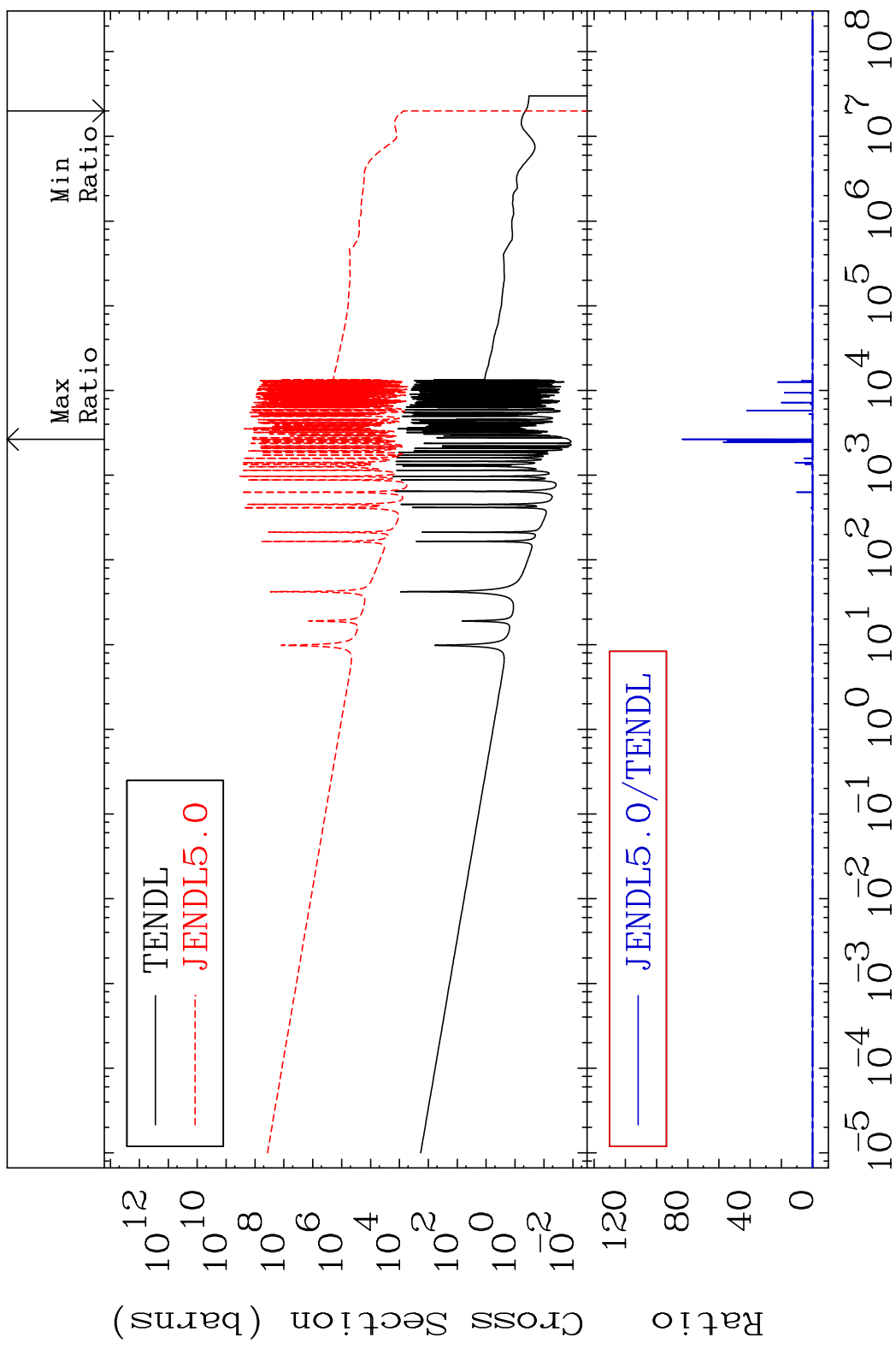


MAT 4443 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-102
 Cross Section -100.0 To 9999. %

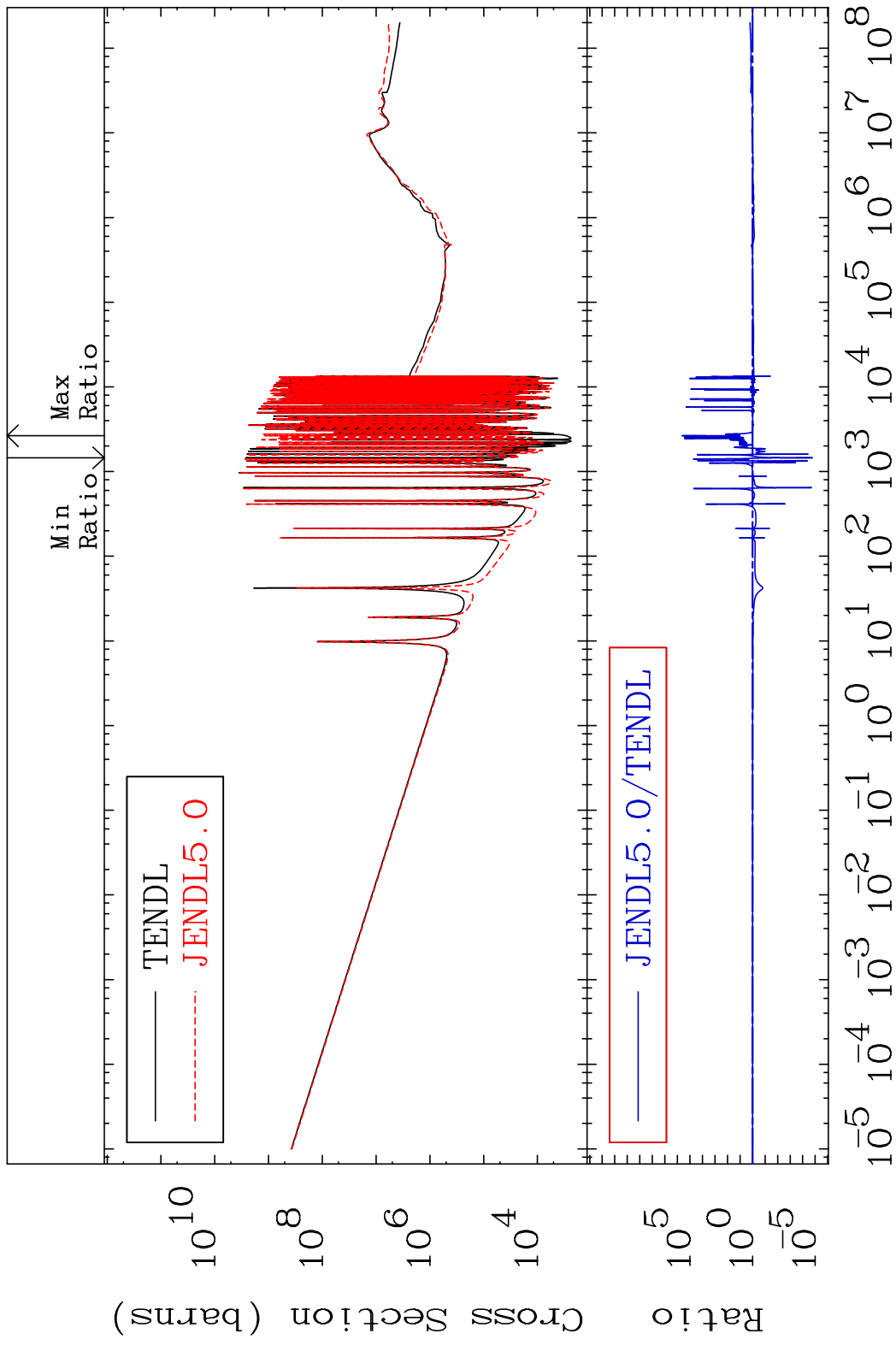


MAT 4443

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

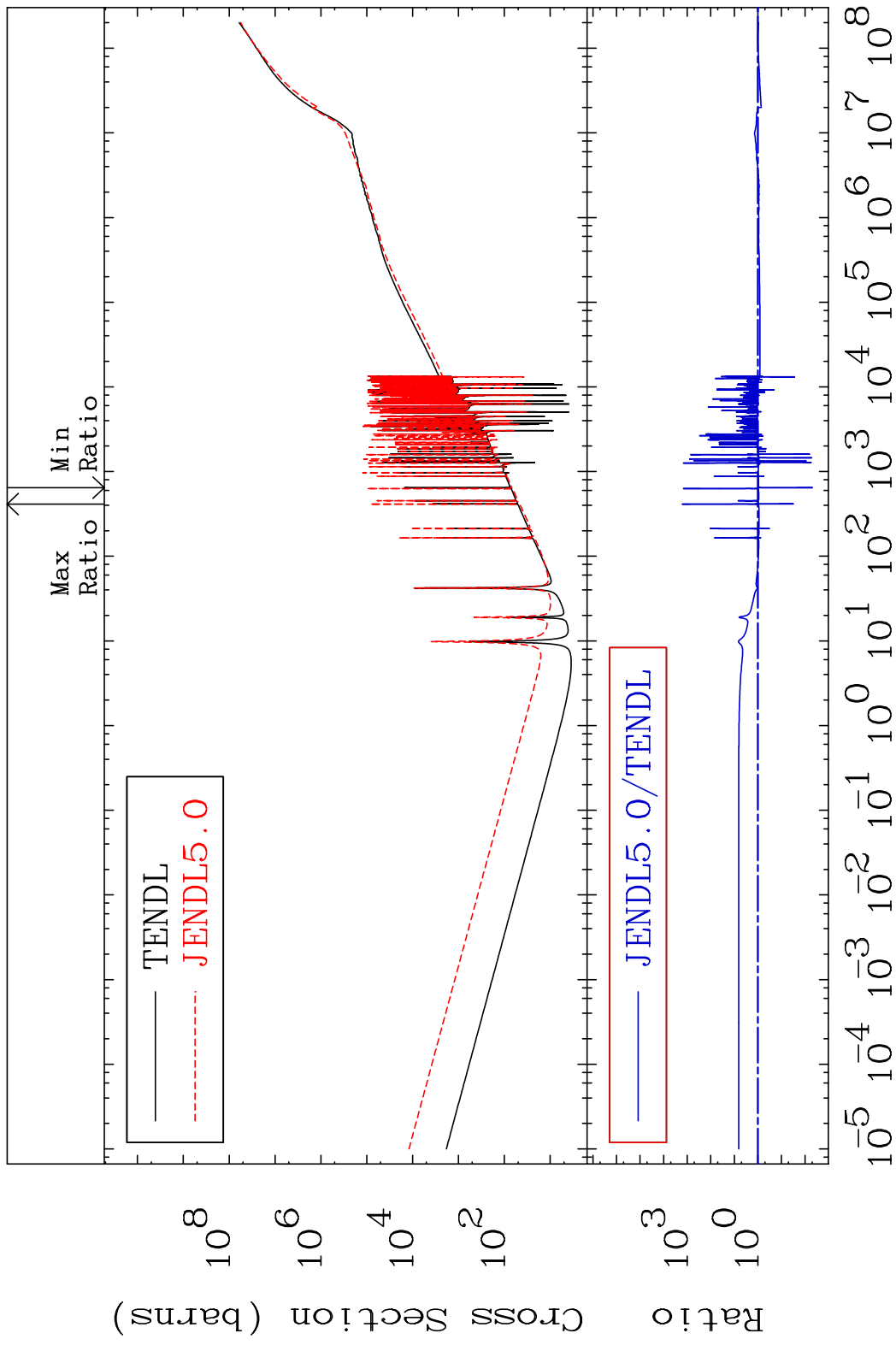


MAT 4443 Total photon (eV-barns) 44-Ru-102
 Cross Section -100.0 To 9999. %

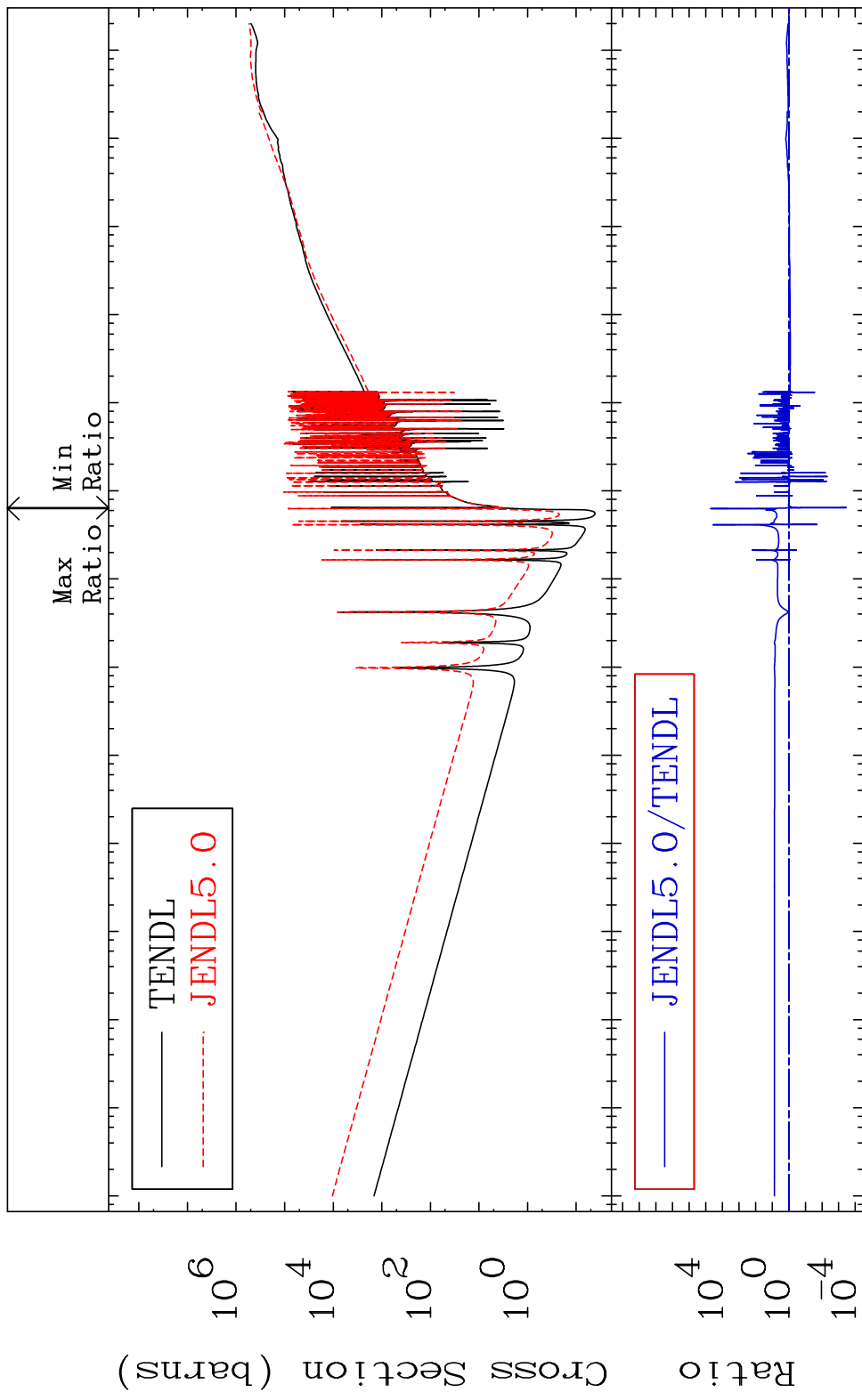


47 Incident Energy (eV) 44-Ru-102

MAT 4443 Total kinematic kerma (high limit) 44-Ru-102
 Cross Section -99.52 To 9999. %



MAT 4443 Dpa total (eV-barns) 44-Ru-102
 Cross Section -99.97 To 9999. %

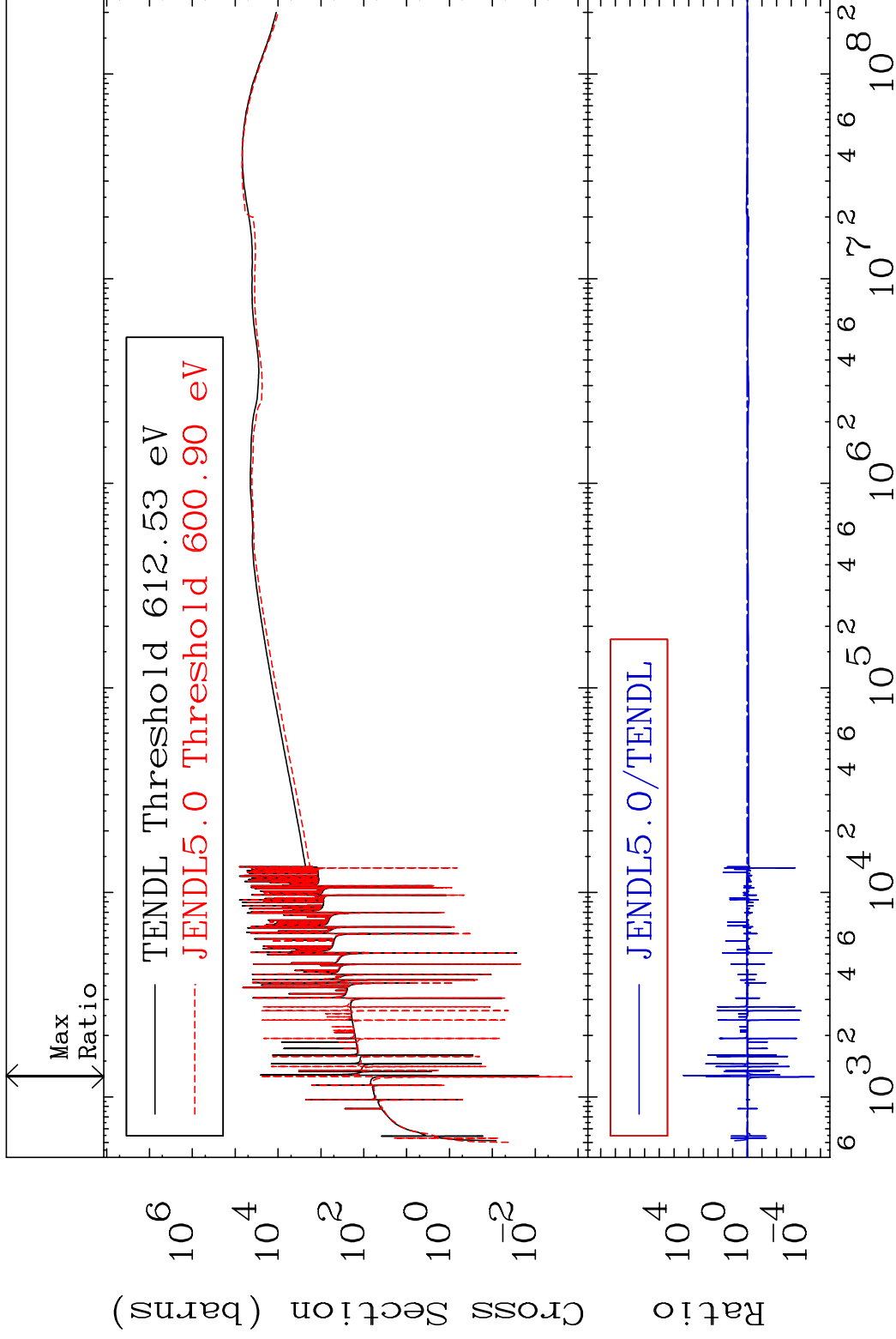


MAT 4443

Dpa elastic (mt2)

44-Ru-102

Cross Section -100.0 To 9999. %

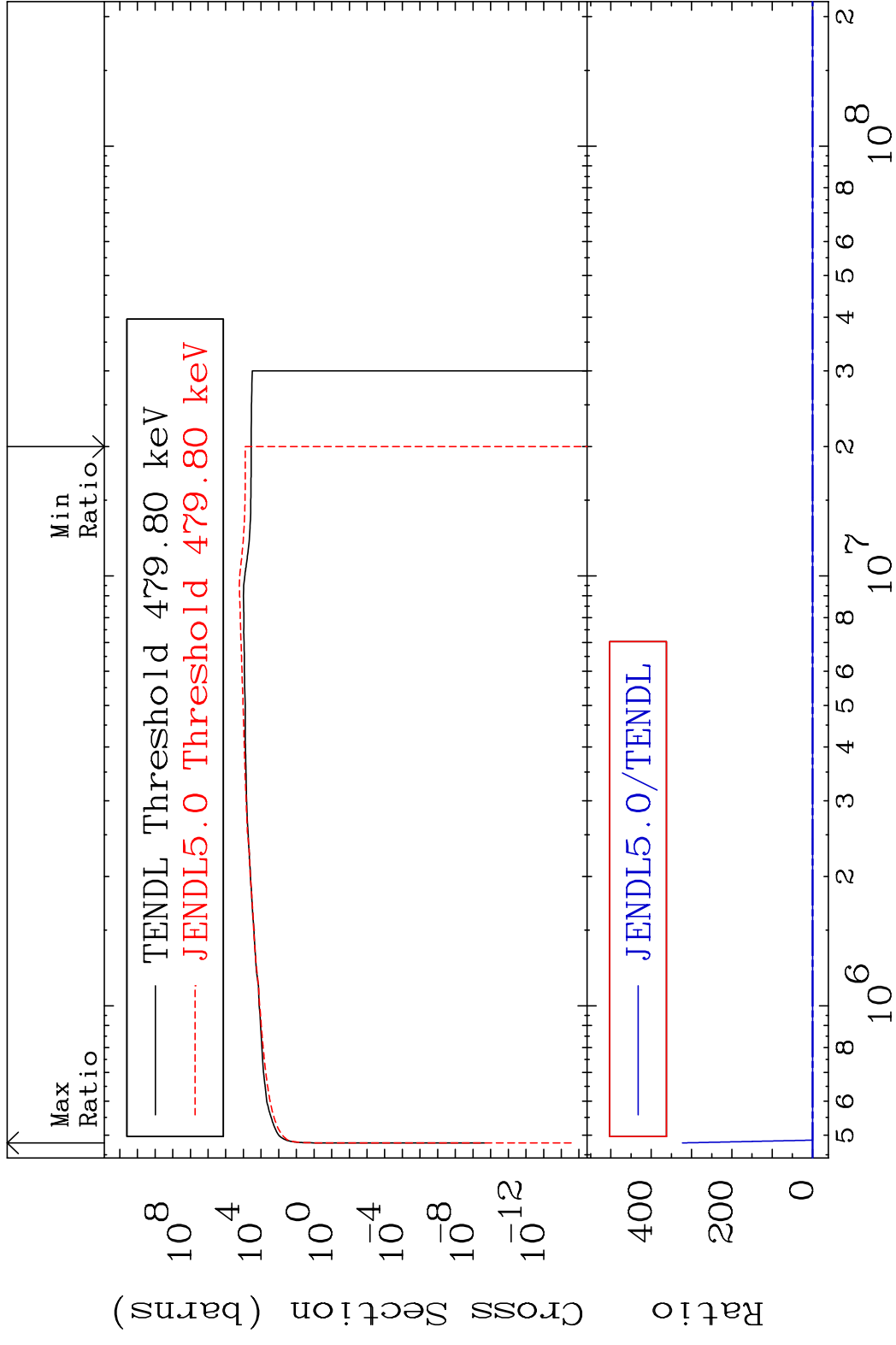


50

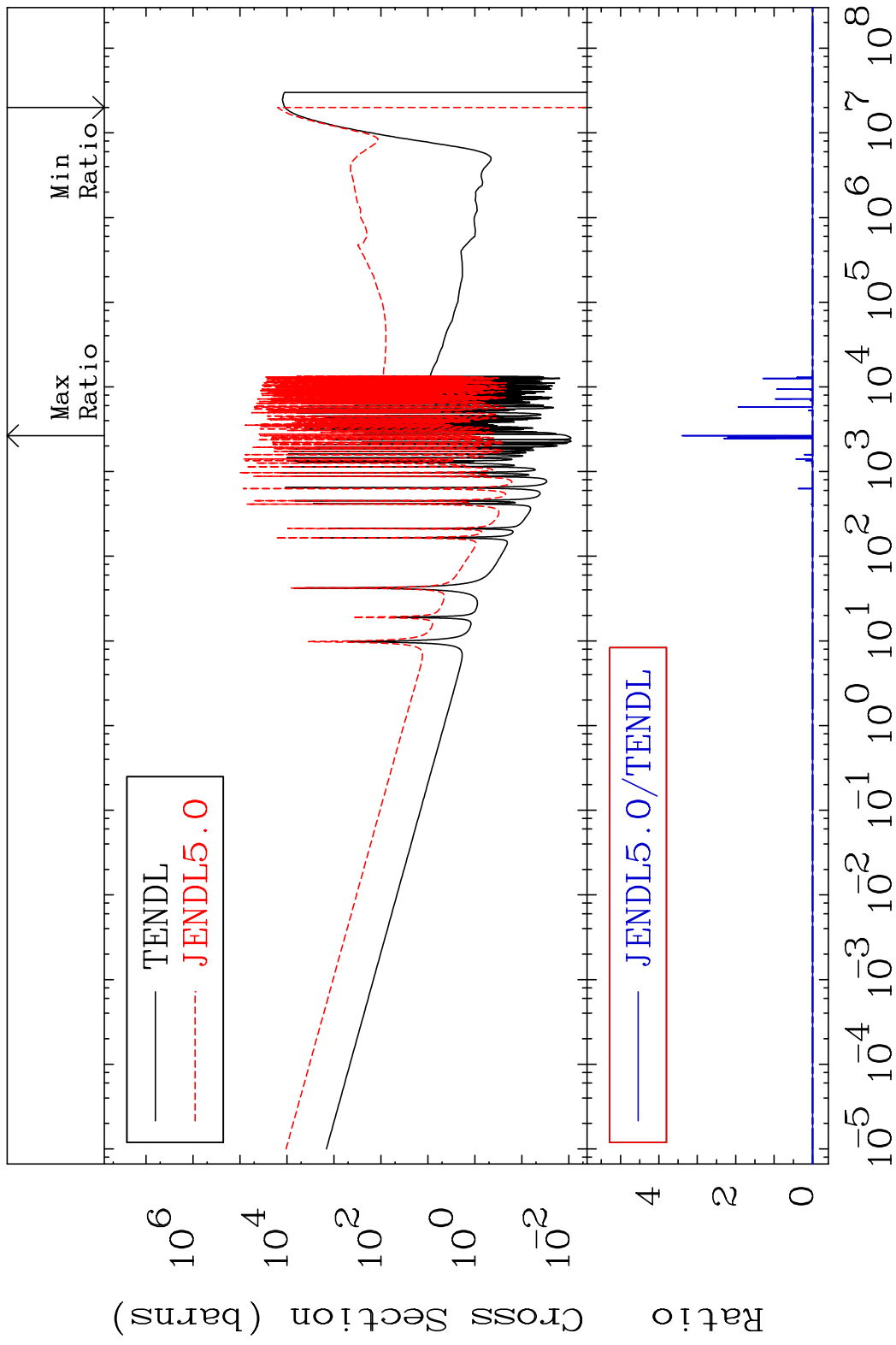
Incident Energy (eV)

44-Ru-102

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 %

