

Program Complot
(Version 2021-1)

by

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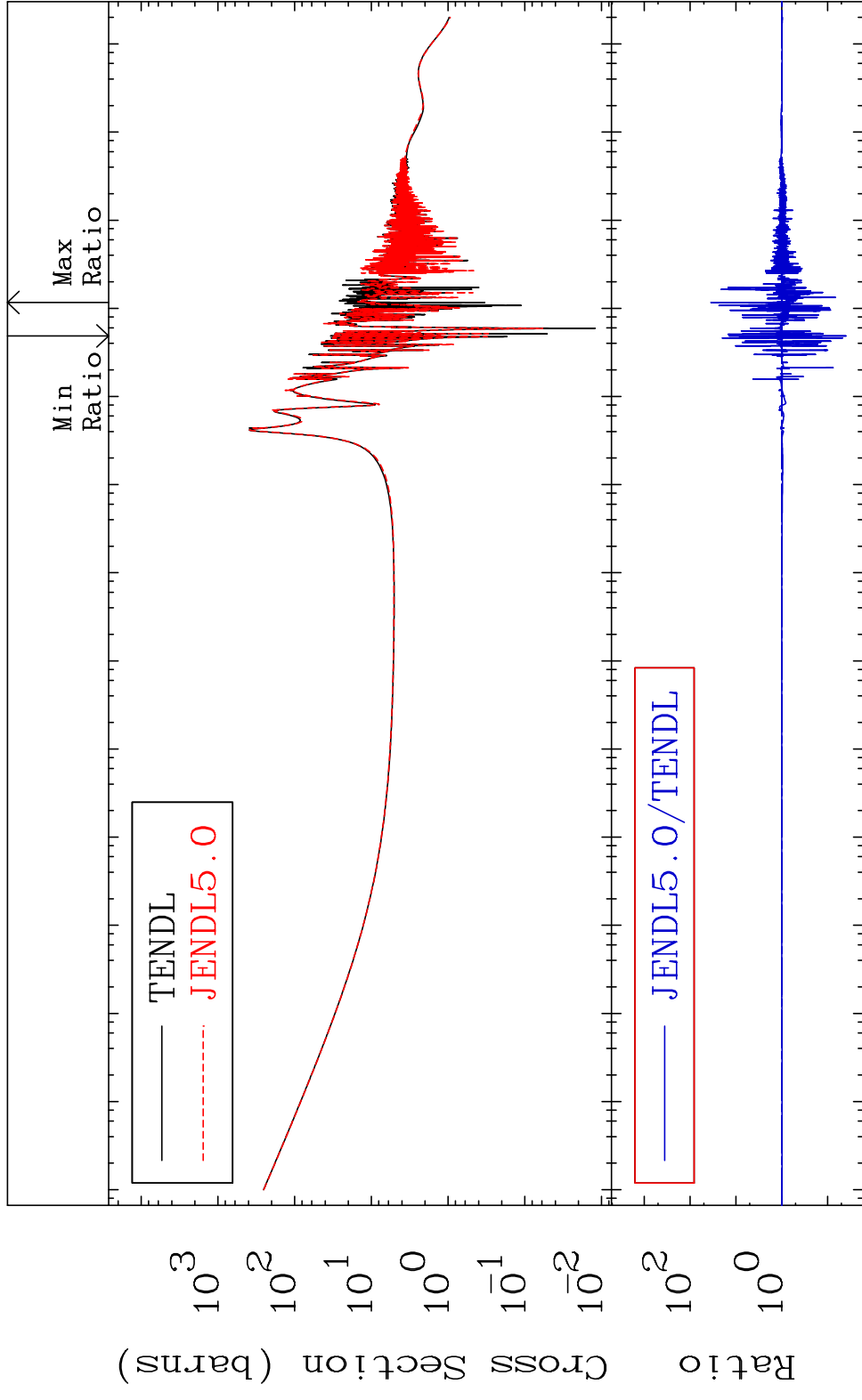
Press Mouse Button to Start

MAT 2328

Total

23-V -51

Cross Section -96.08 To 3450. %



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

1

Incident Energy (eV)

23-V -51

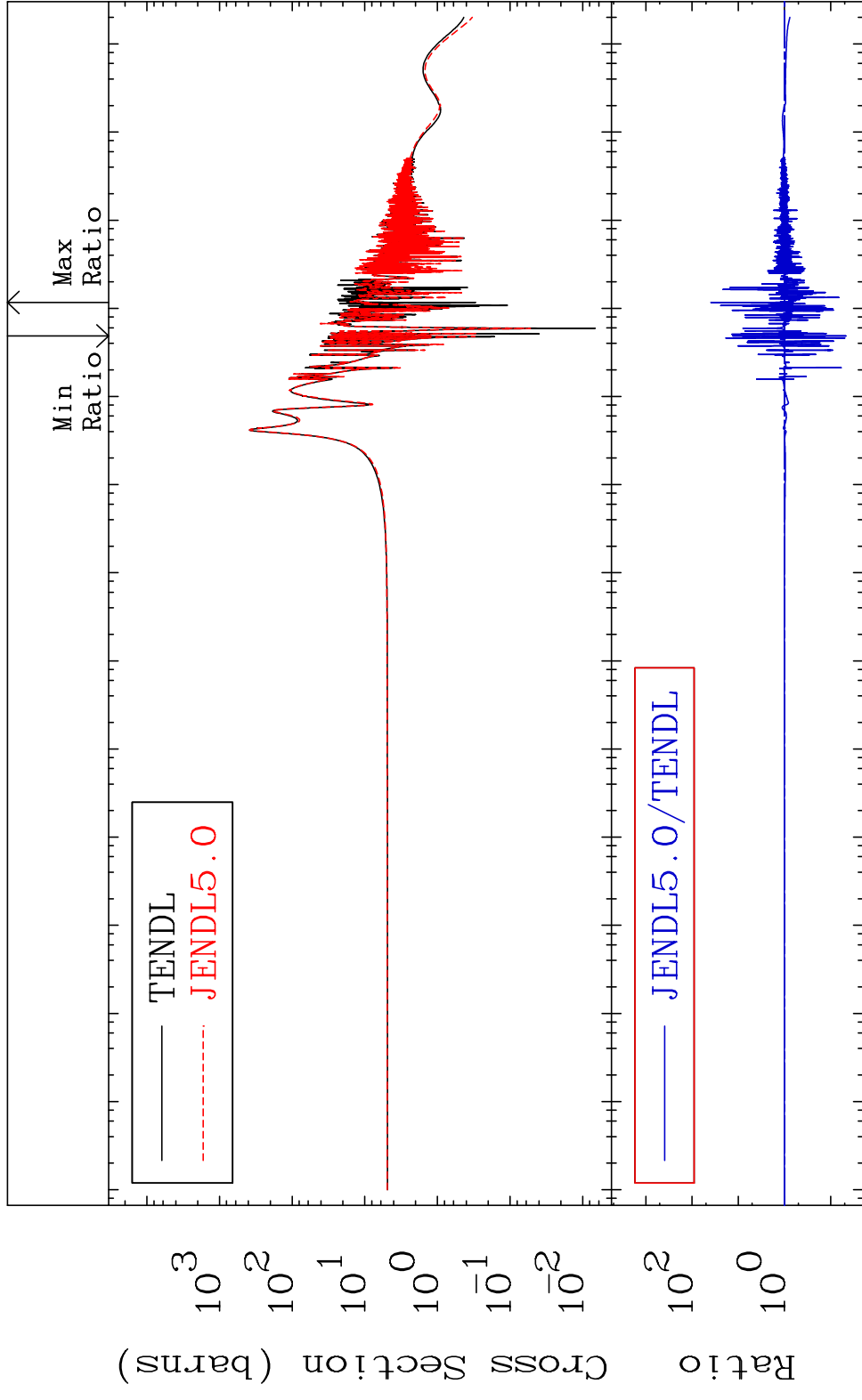
MAT 2328

Elastic

23-V -51

Cross Section

-95.41 To 3842. %

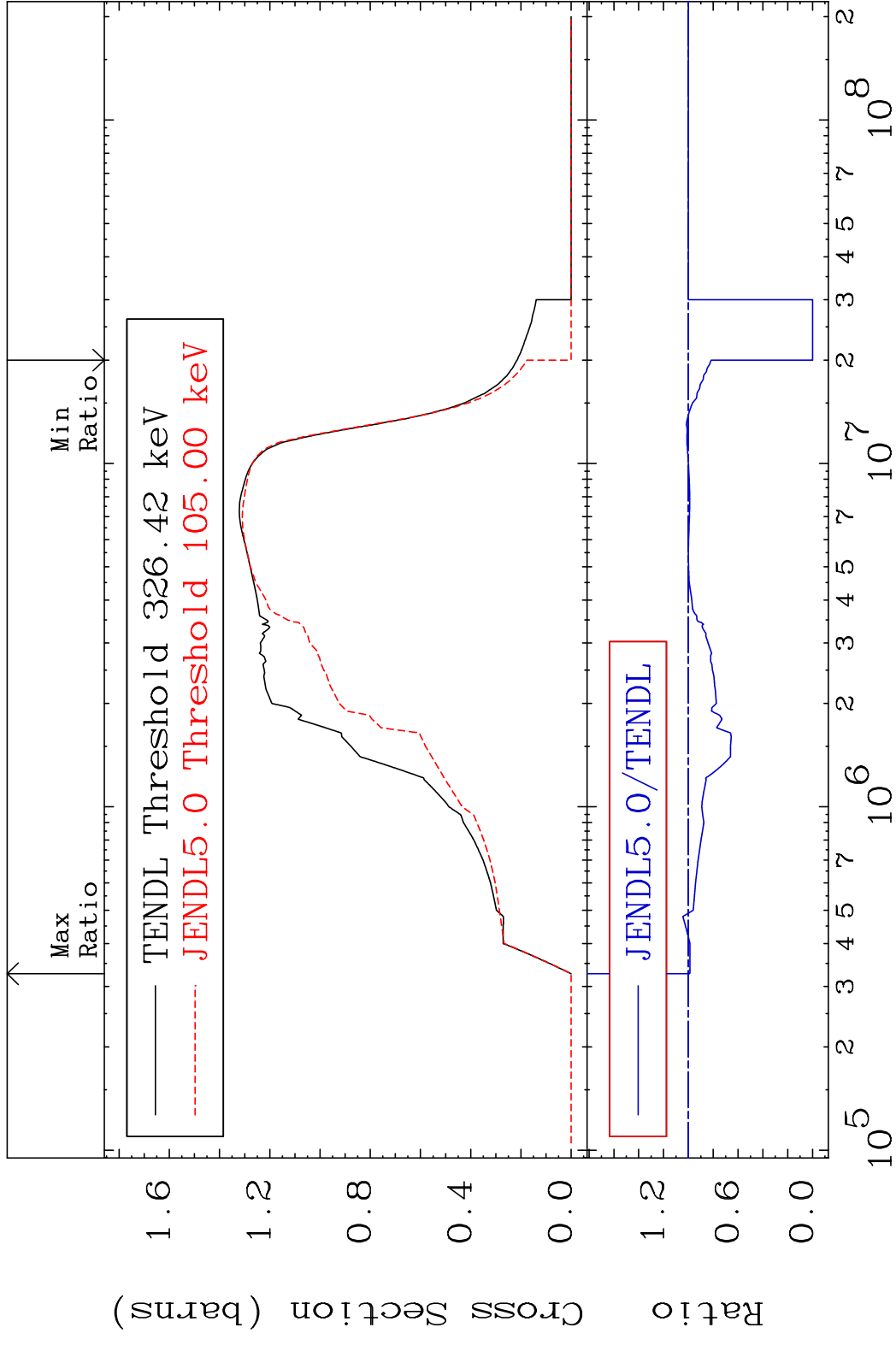


2

Incident Energy (eV)

23-V -51

MAT 2328 Inelastic 23-V -51
 Cross Section -100.0 To 4.848 %



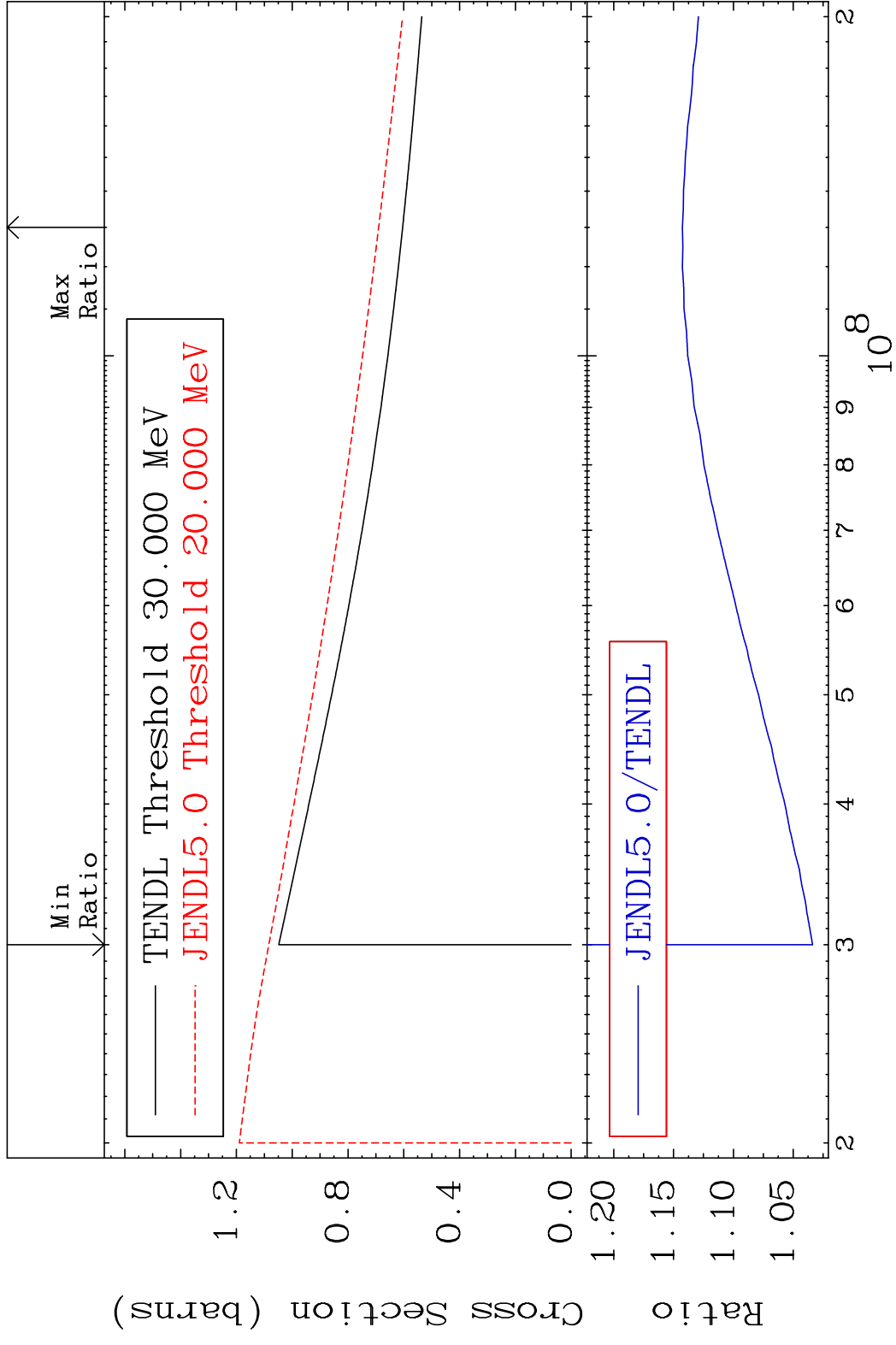
3 Incident Energy (eV) 23-V -51

MAT 2328

(n, remainder)

23-V -51

Cross Section 3.380 To 14.27 %

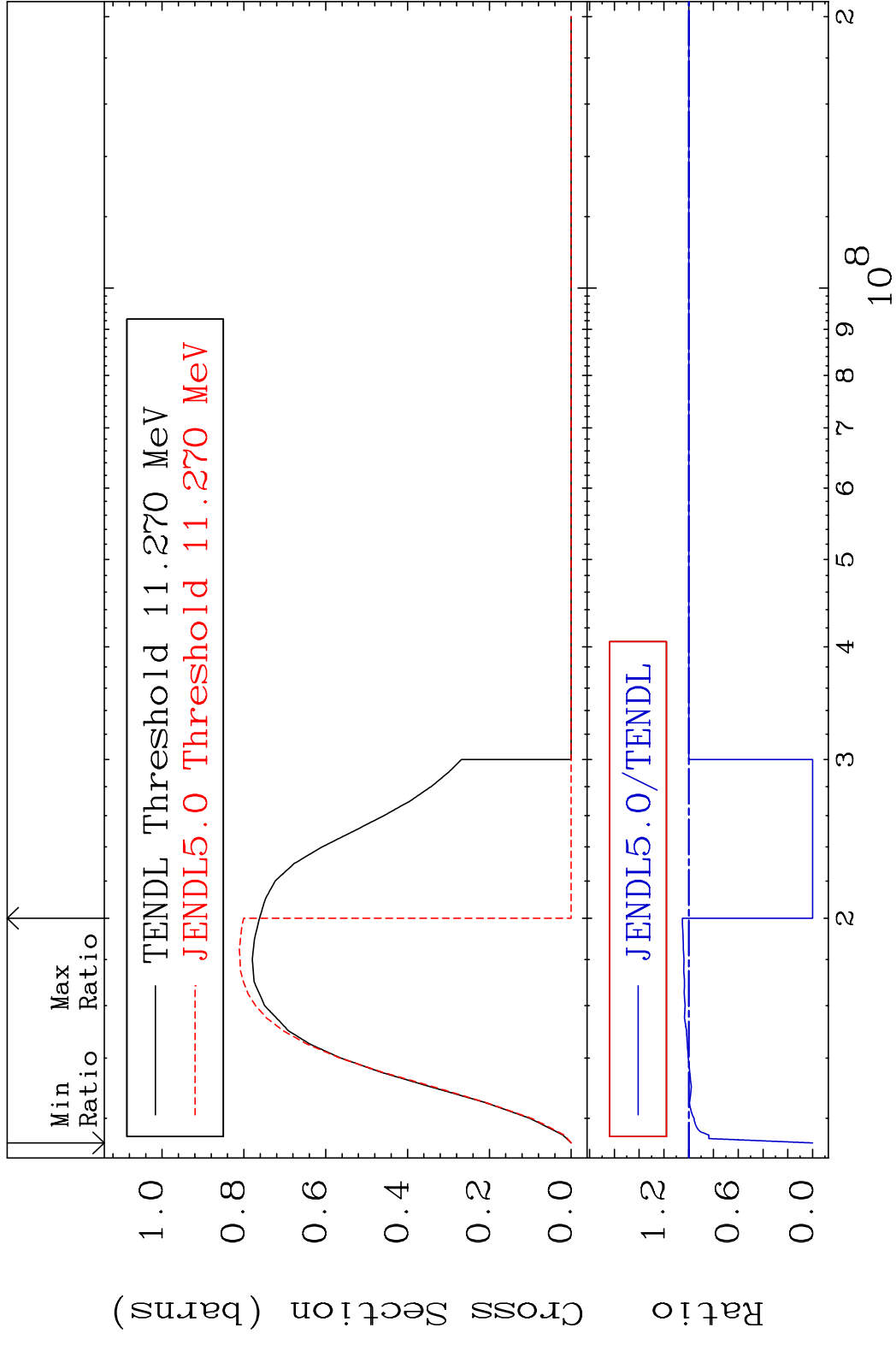


4

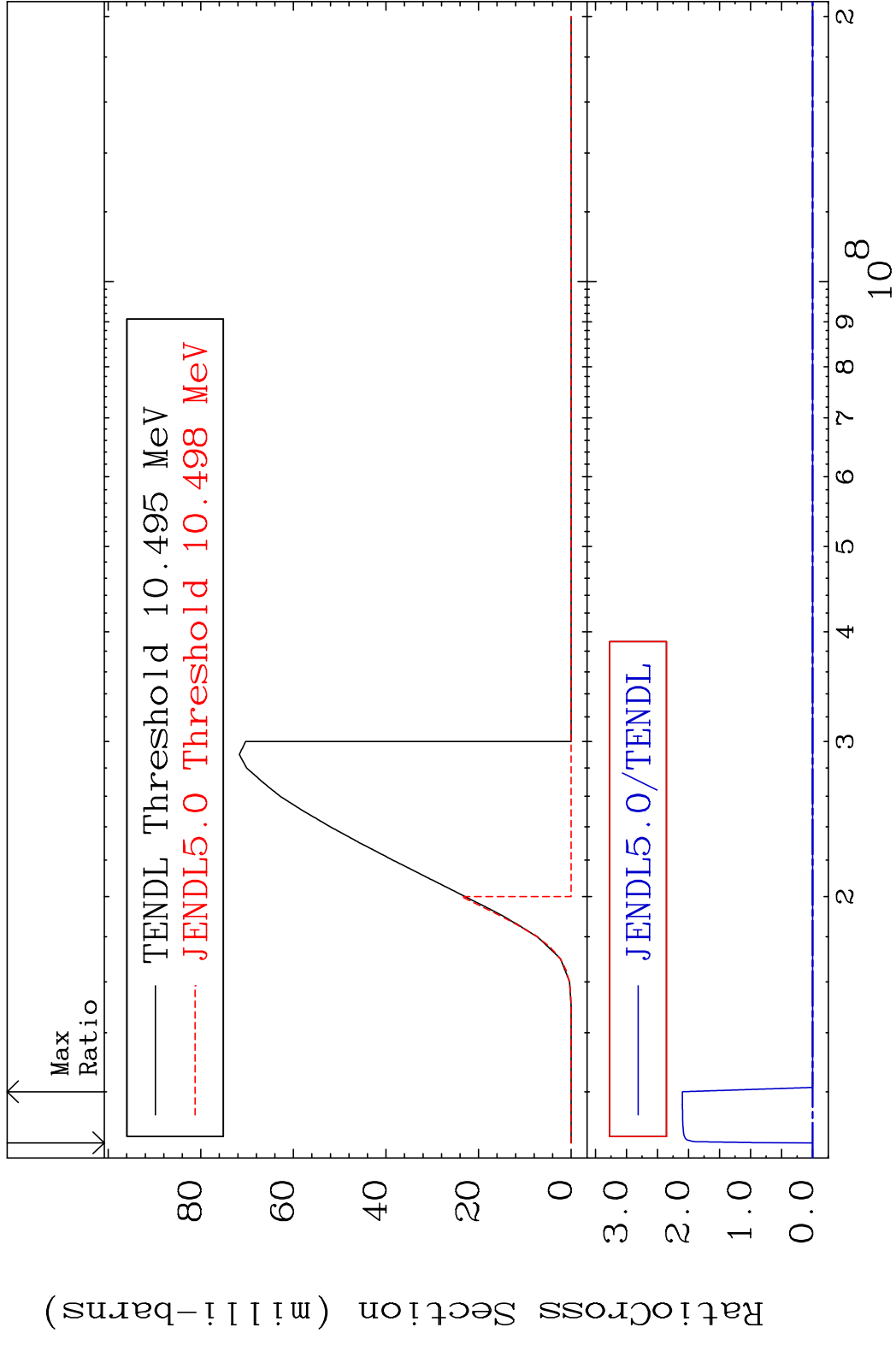
Incident Energy (eV)

23-V -51

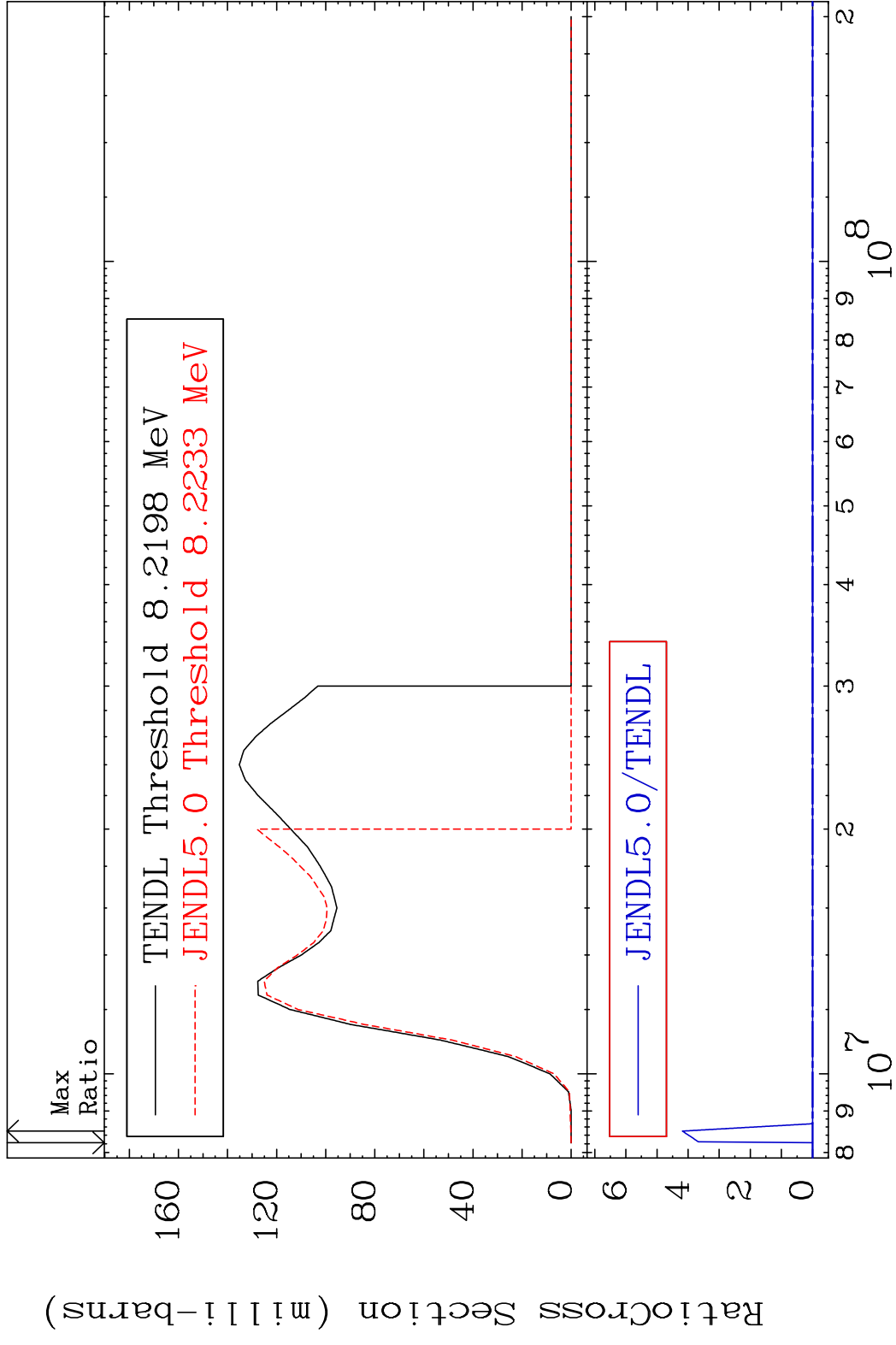
MAT 2328 (n,2n) 23-V -51
 Cross Section -100.0 To 5.125 %



MAT 2328 (n, n') α 23-V -51
 Cross Section -100.0 To 9999. %



MAT 2328 (n, n') p 23-V -51
 Cross Section -100.0 To 9999. %



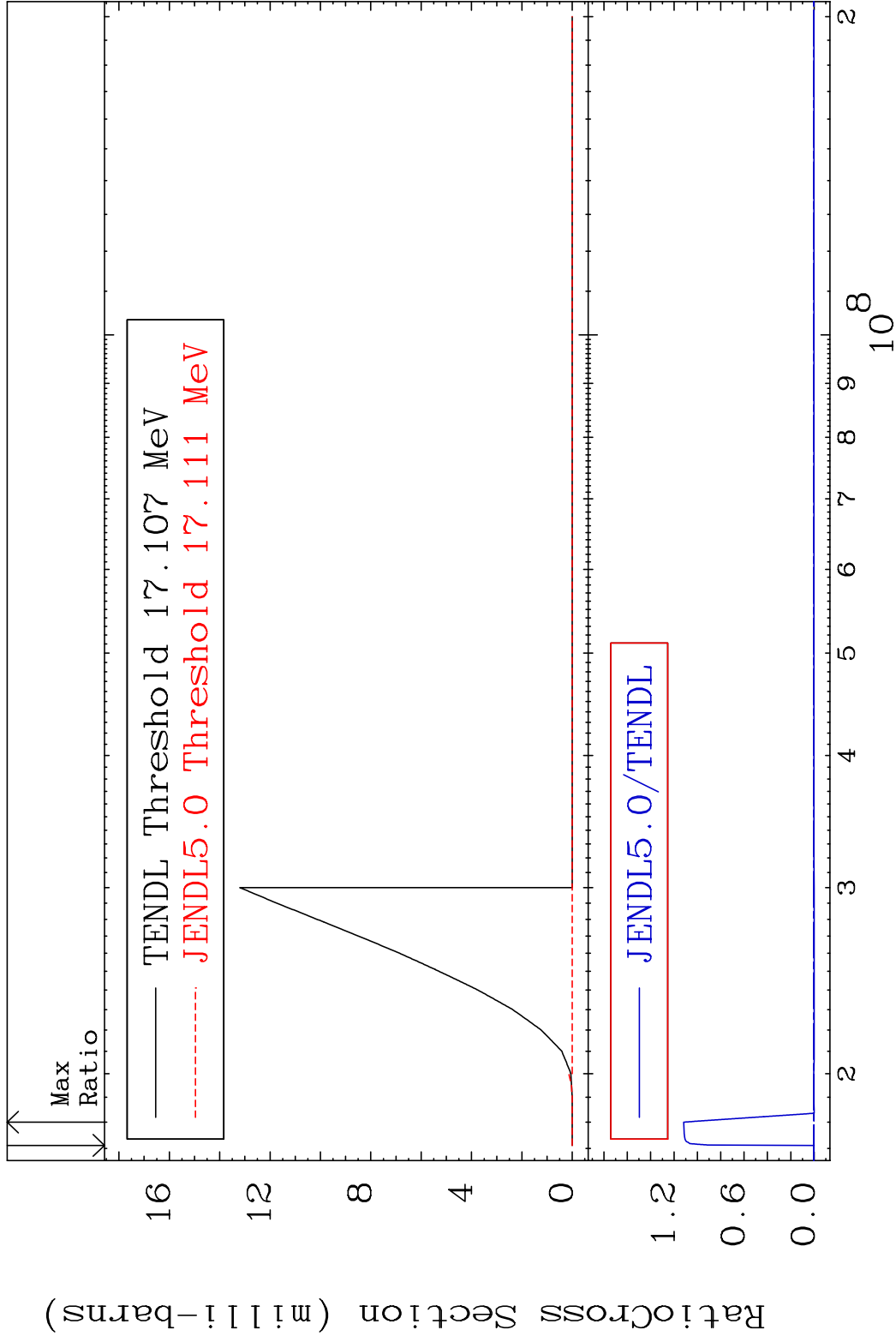
7 Incident Energy (eV) 23-V -51

MAT 2328

(n, n') d

23-V -51

Cross Section -100.0 To 9999. %

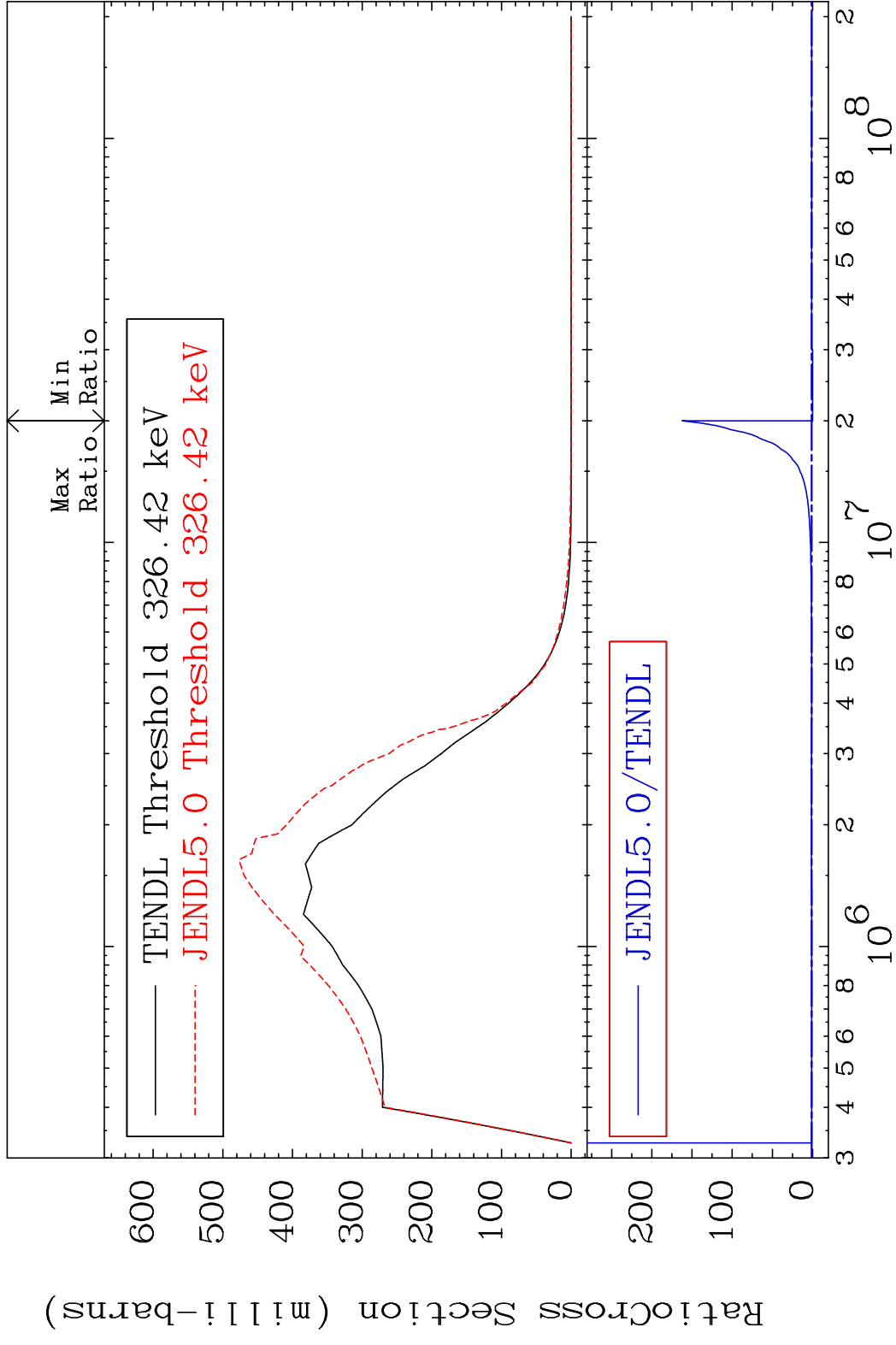


8

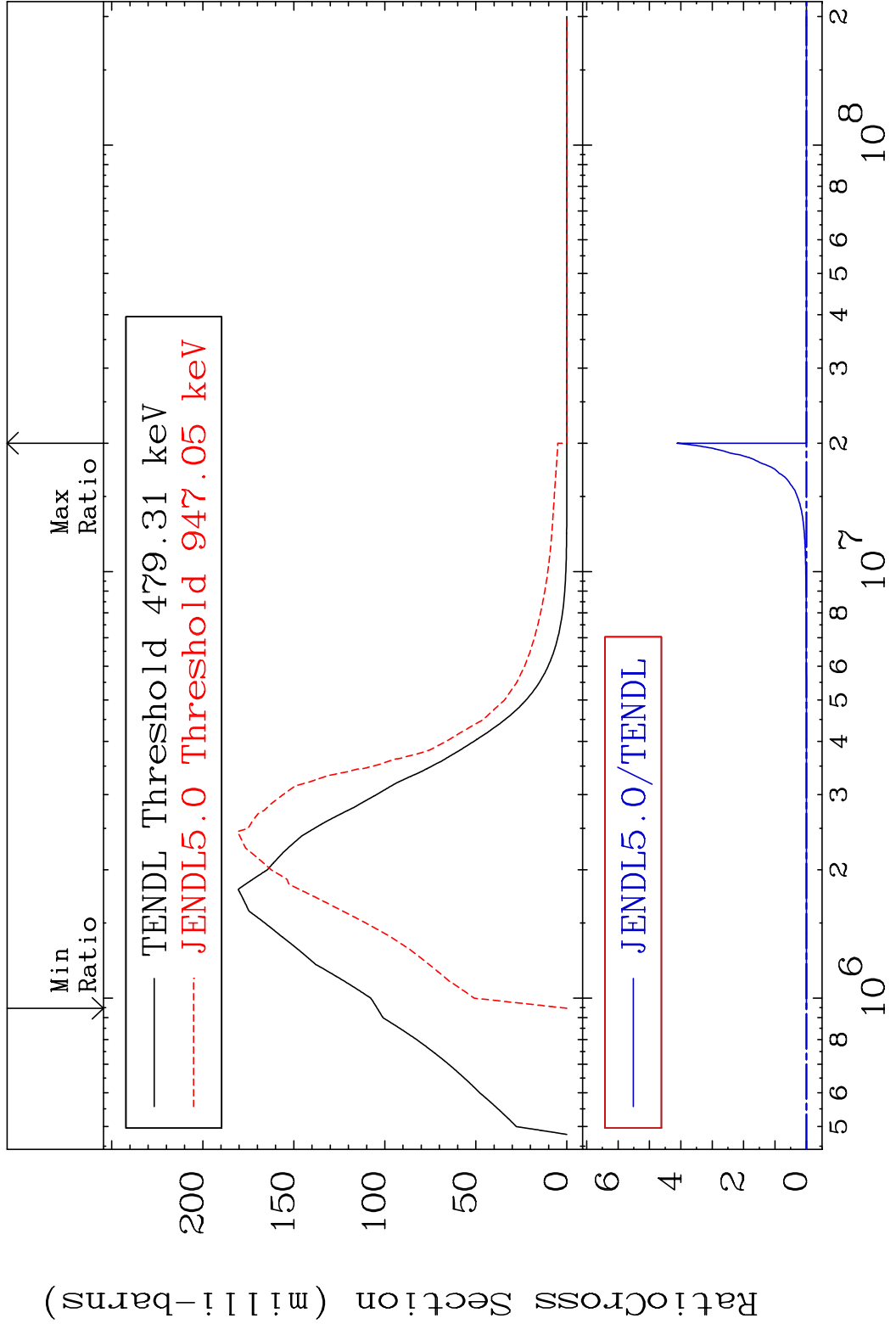
Incident Energy (eV)

23-V -51

MAT 2328 MT= 51 (n, n') Level 23-V -51
 Cross Section -100.0 To 9999. %

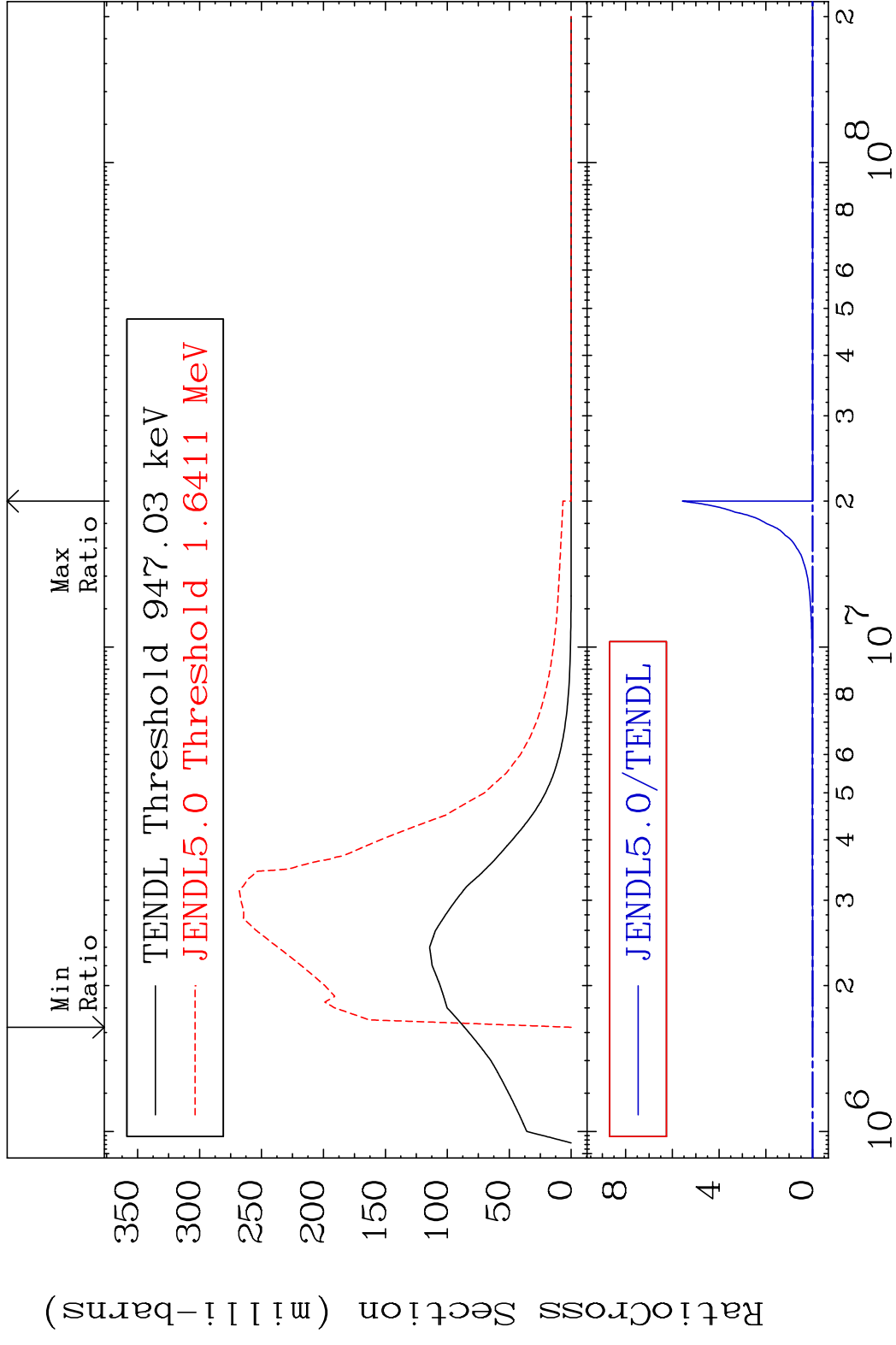


MAT 2328 MT= 52 (n, n') Level 23-V -51
 Cross Section -100.0 To 9999. %



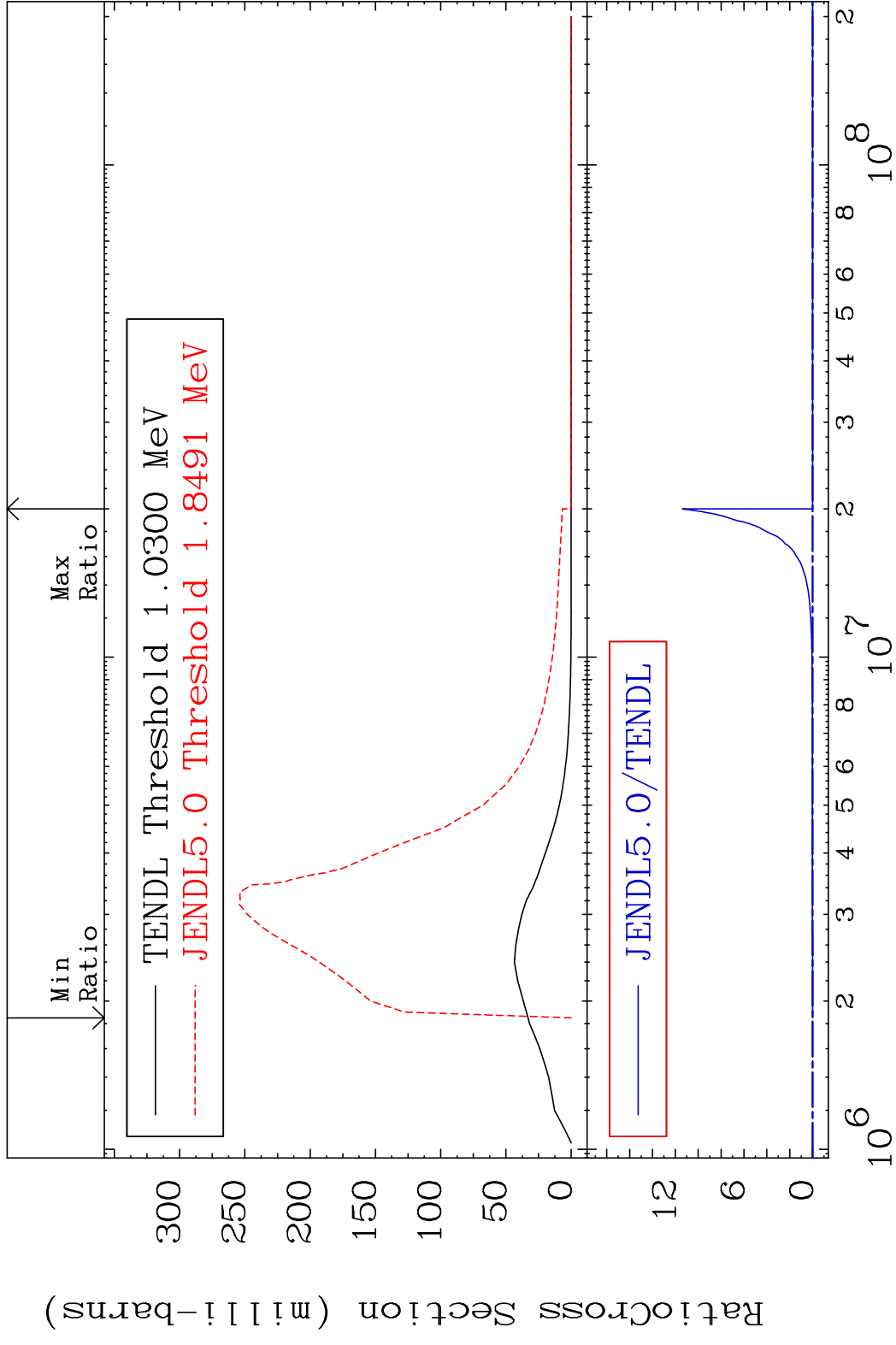
10 Incident Energy (eV) 23-V -51

MAT 2328 MT= 53 (n, n') Level 23-V -51
 Cross Section -100.0 To 9999. %



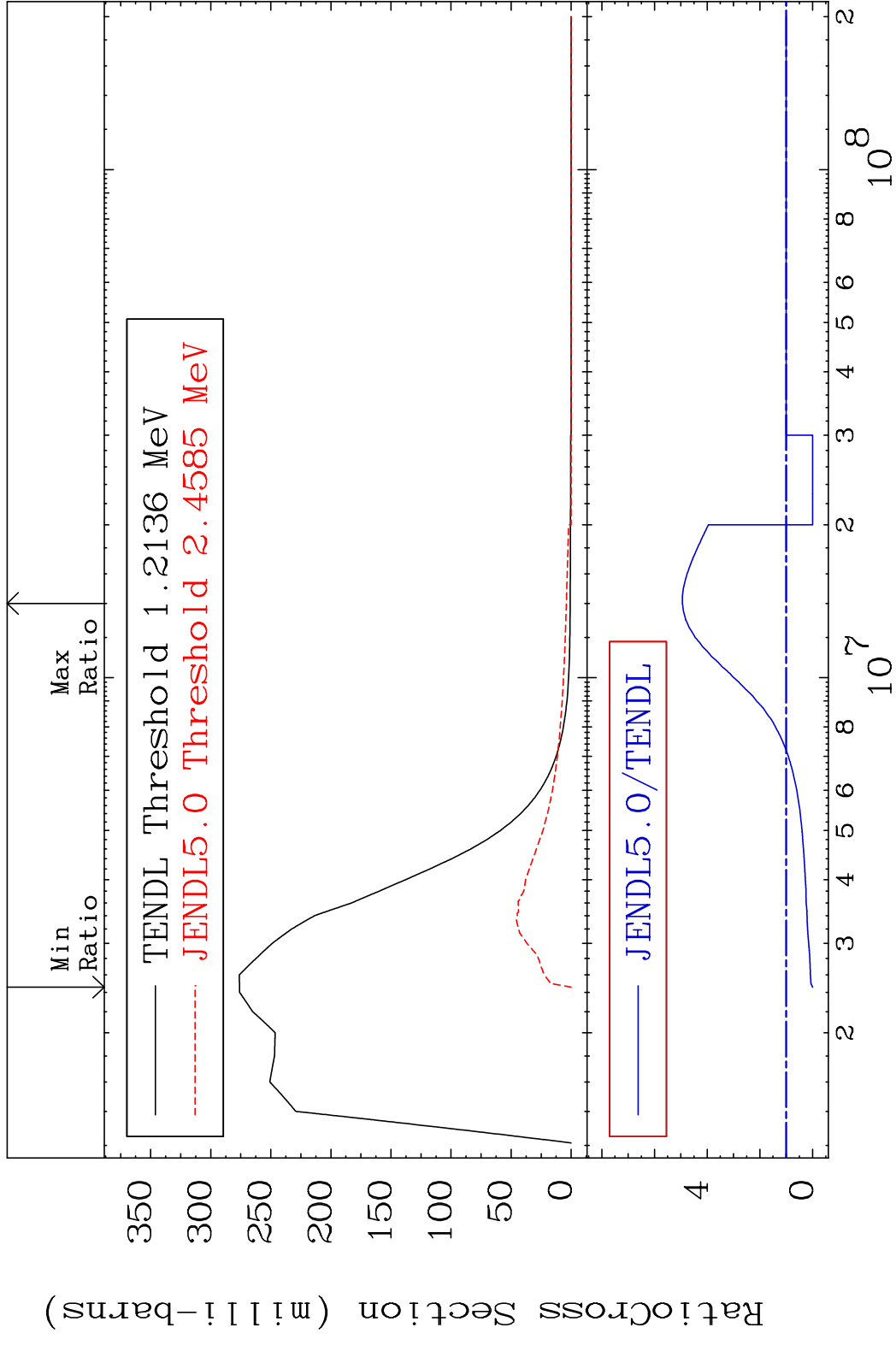
11 Incident Energy (eV) 23-V -51

MAT 2328 MT= 54 (n, n') Level 23-V -51
 Cross Section -100.0 To 9999. %

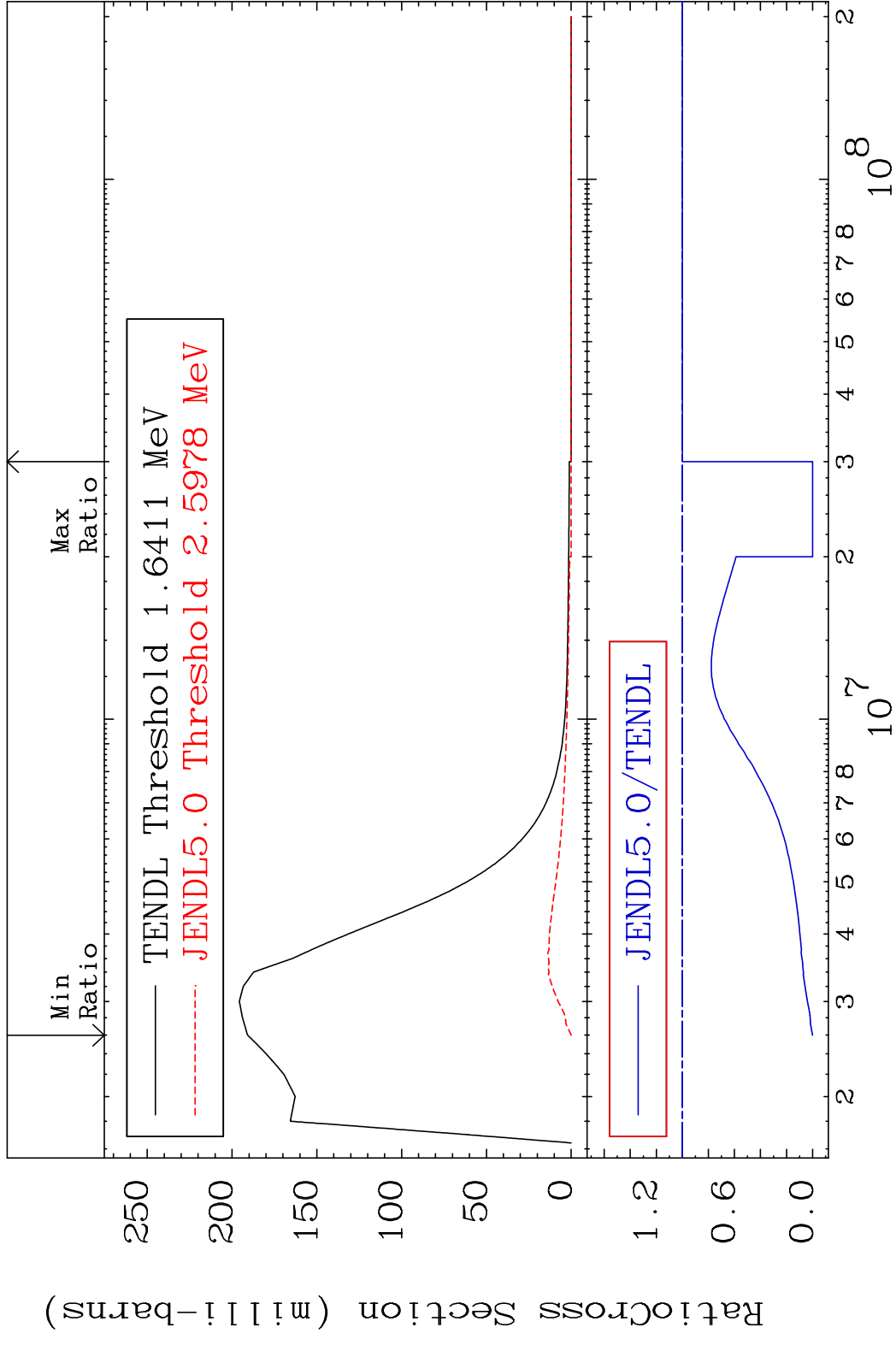


12 Incident Energy (eV) 23-V -51

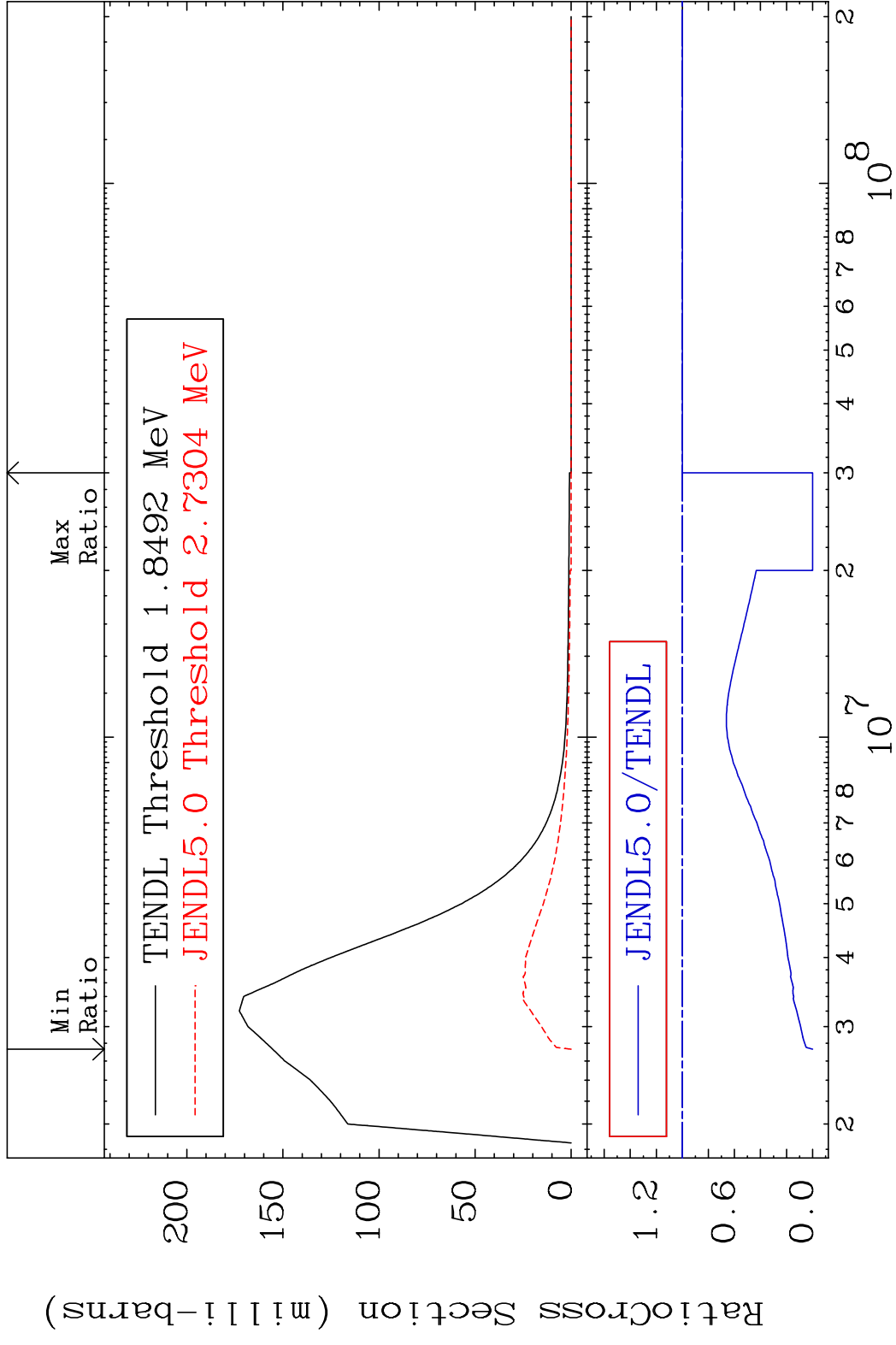
MAT 2328 MT= 55 (n, n') Level 23-V -51
 Cross Section -100.0 To 394.2 %



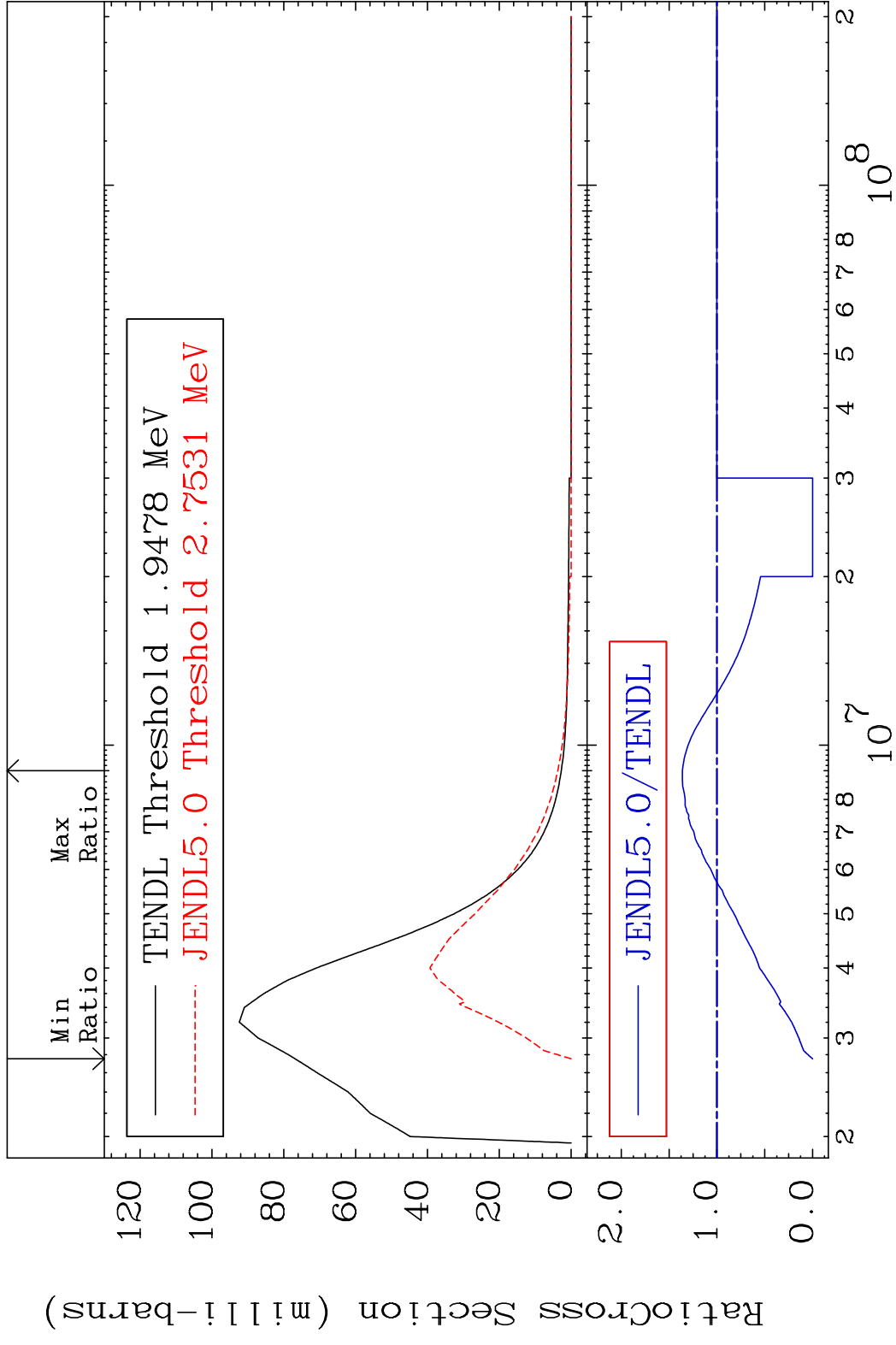
MAT 2328 MT= 56 (n, n') Level 23-V -51
 Cross Section -100.0 To 0.000 %



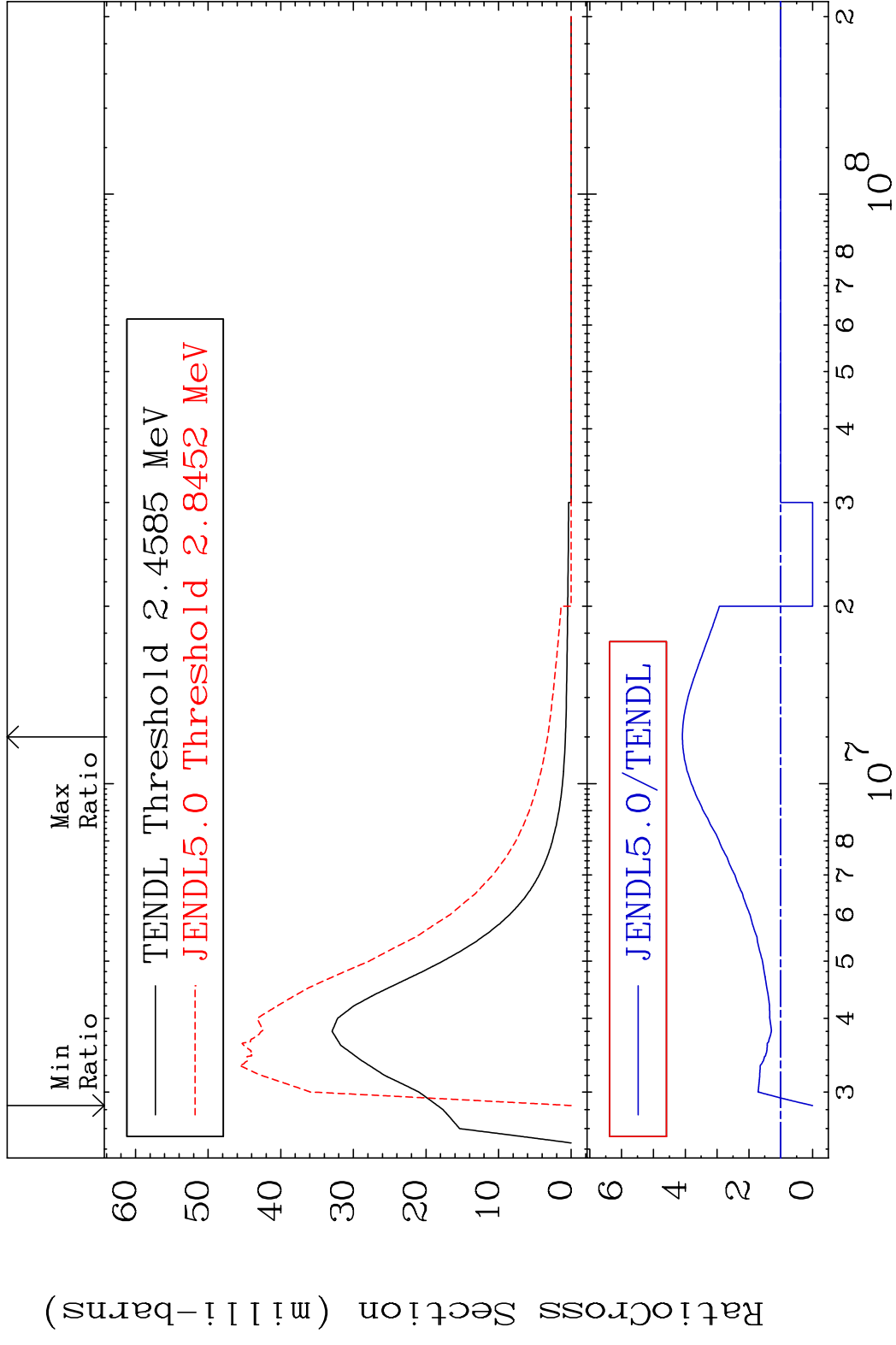
MAT 2328 MT= 57 (n, n') Level 23-V -51
 Cross Section -100.0 To 0.000 %



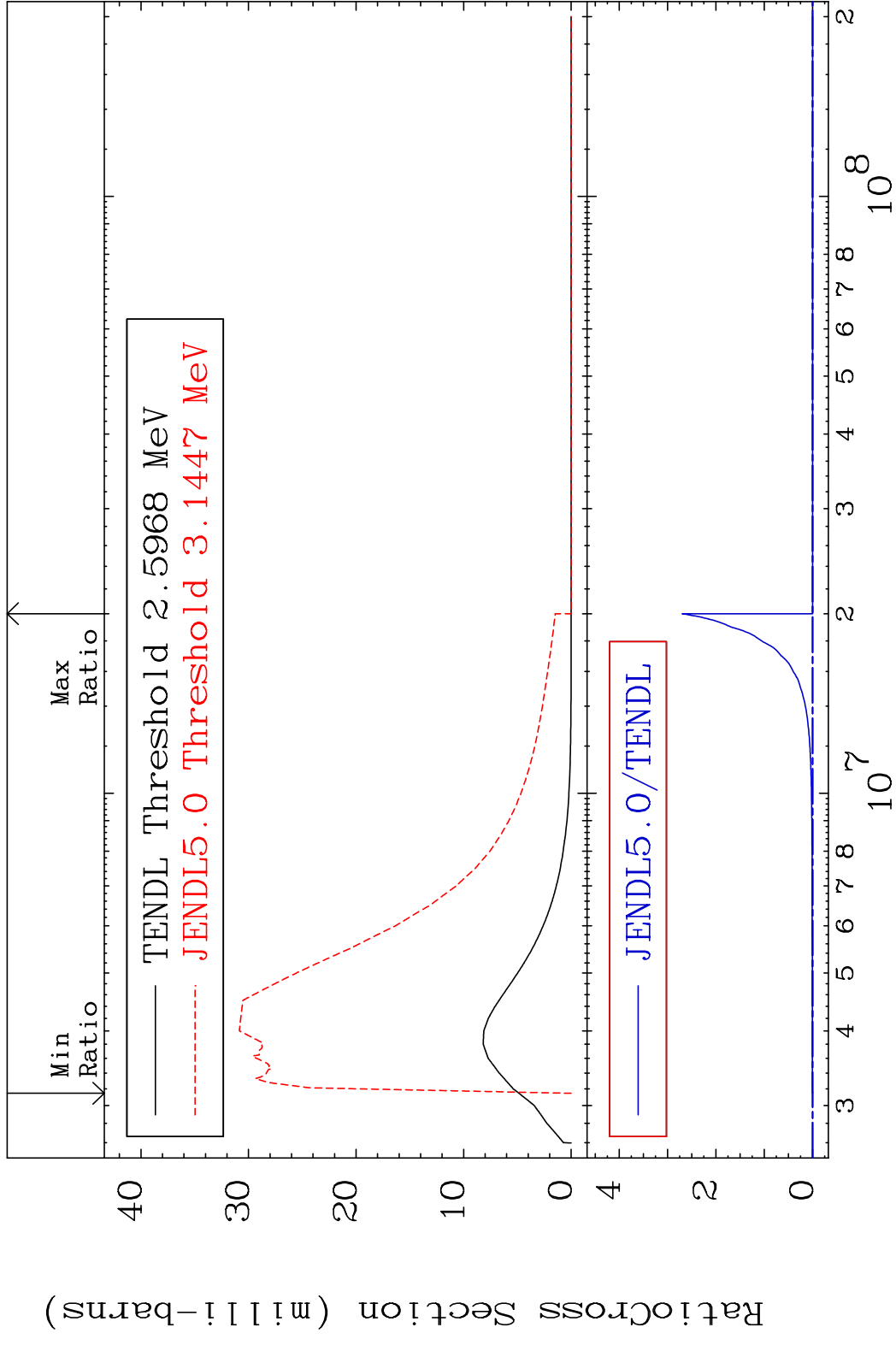
MAT 2328 MT= 58 (n, n') Level 23-V -51
 Cross Section -100.0 To 36.17 %



MAT 2328 MT= 59 (n, n') Level 23-V -51
 Cross Section -100.0 To 309.1 %

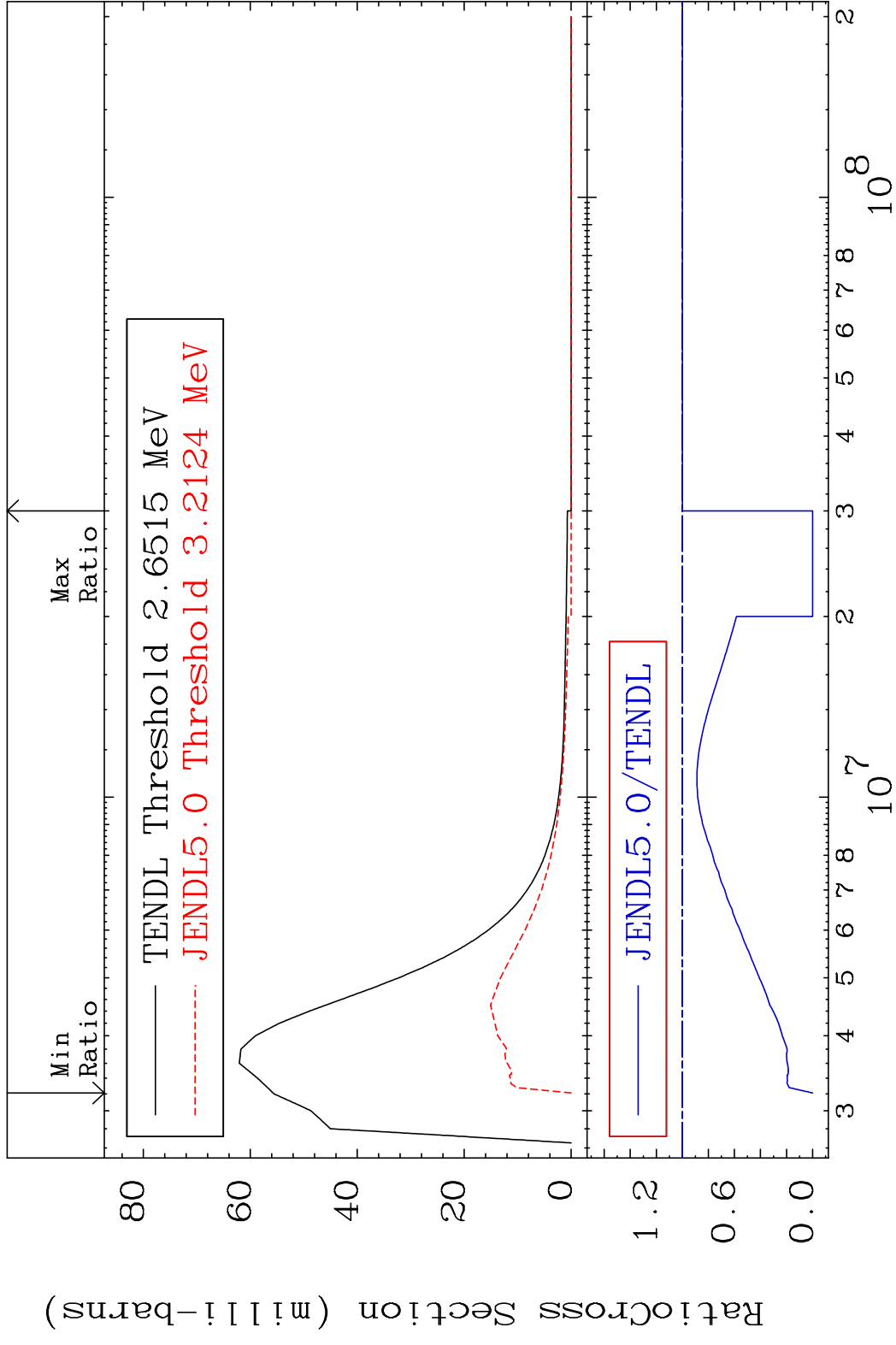


MAT 2328 MT= 60 (n, n') Level 23-V -51
 Cross Section -100.0 To 9999. %

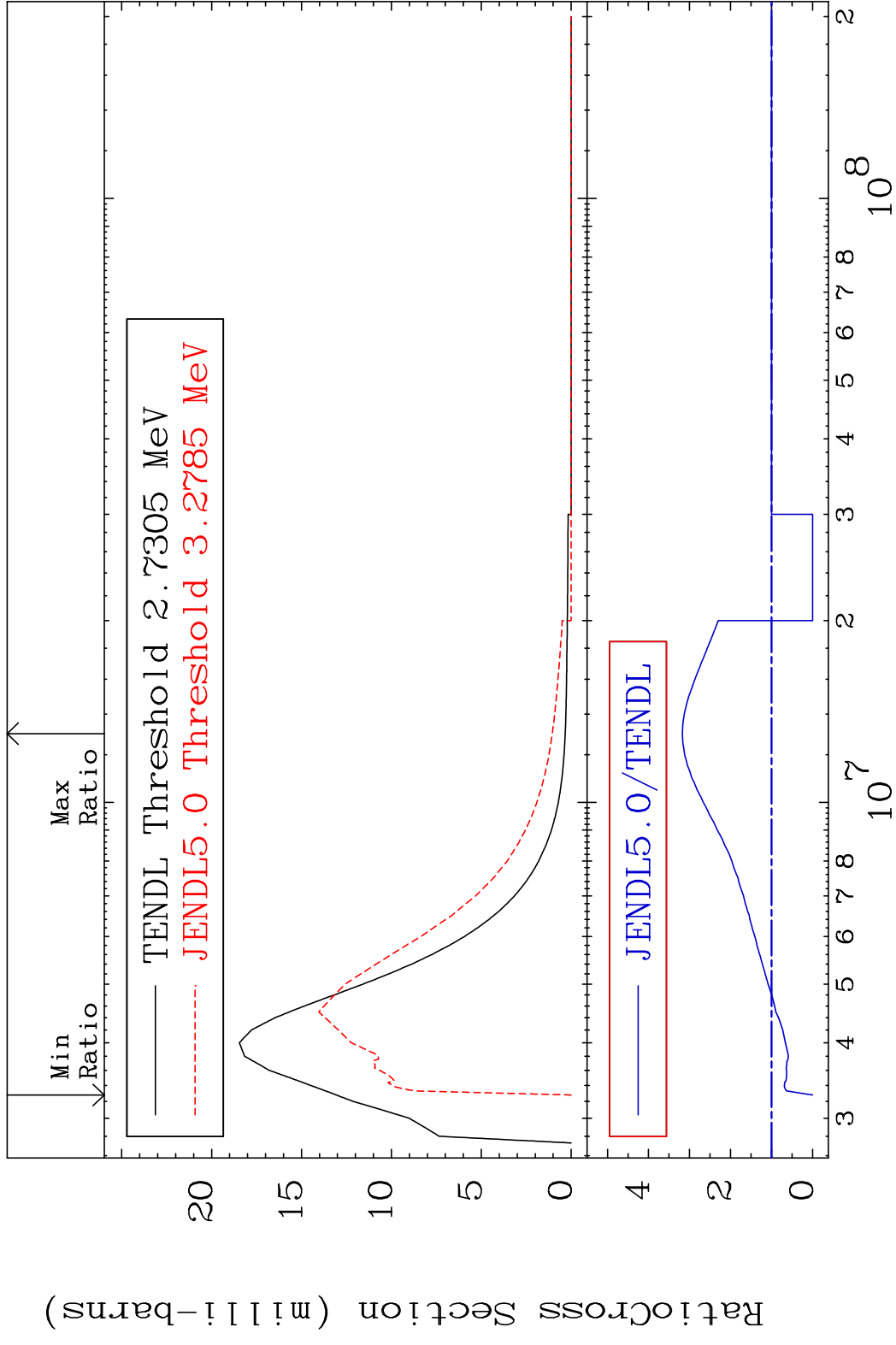


18 Incident Energy (eV) 23-V -51

MAT 2328 MT= 61 (n, n') Level 23-V -51
 Cross Section -100.0 To 0.000 %

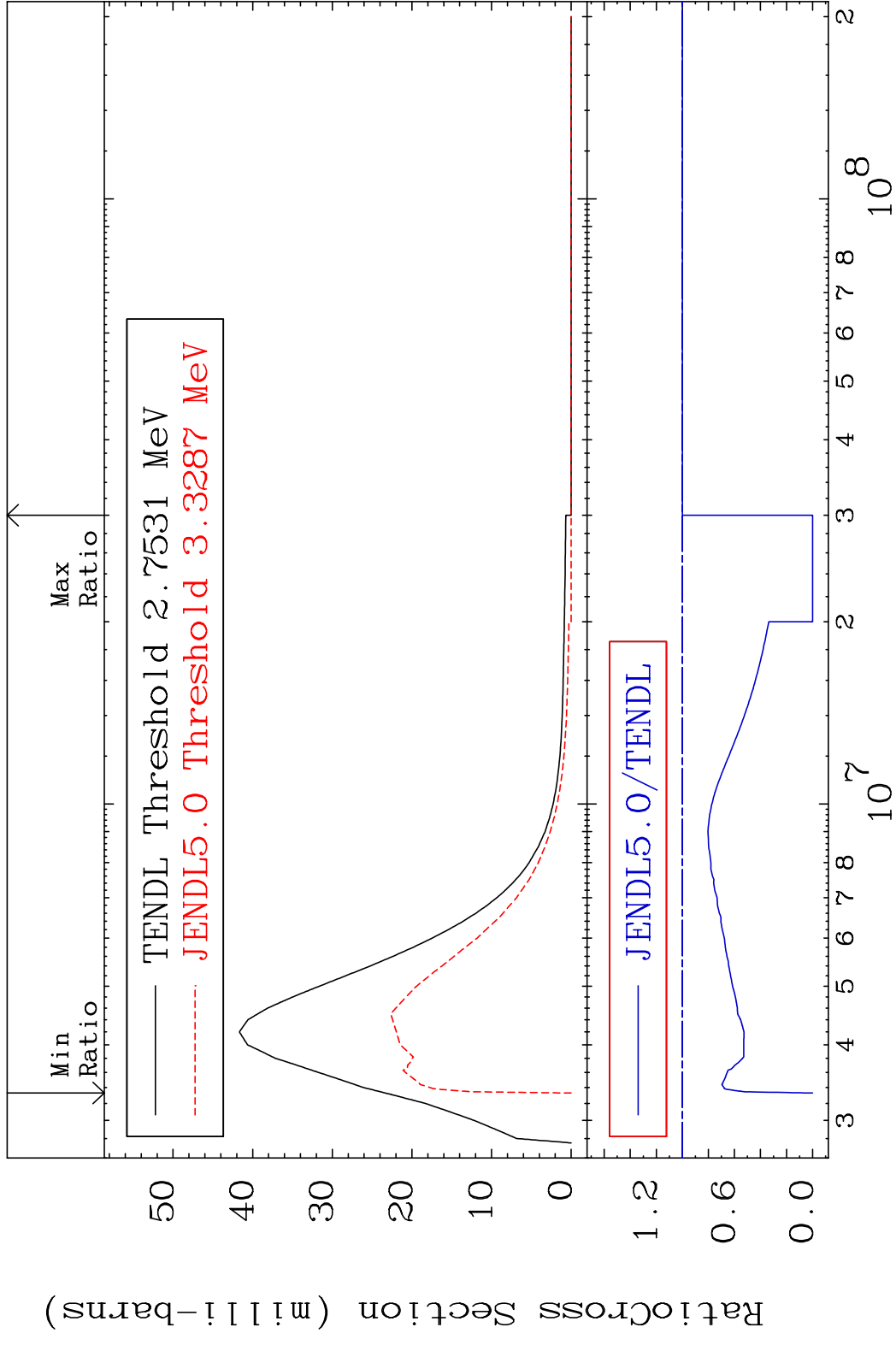


MAT 2328 MT= 62 (n, n') Level 23-V -51
 Cross Section -100.0 To 217.5 %

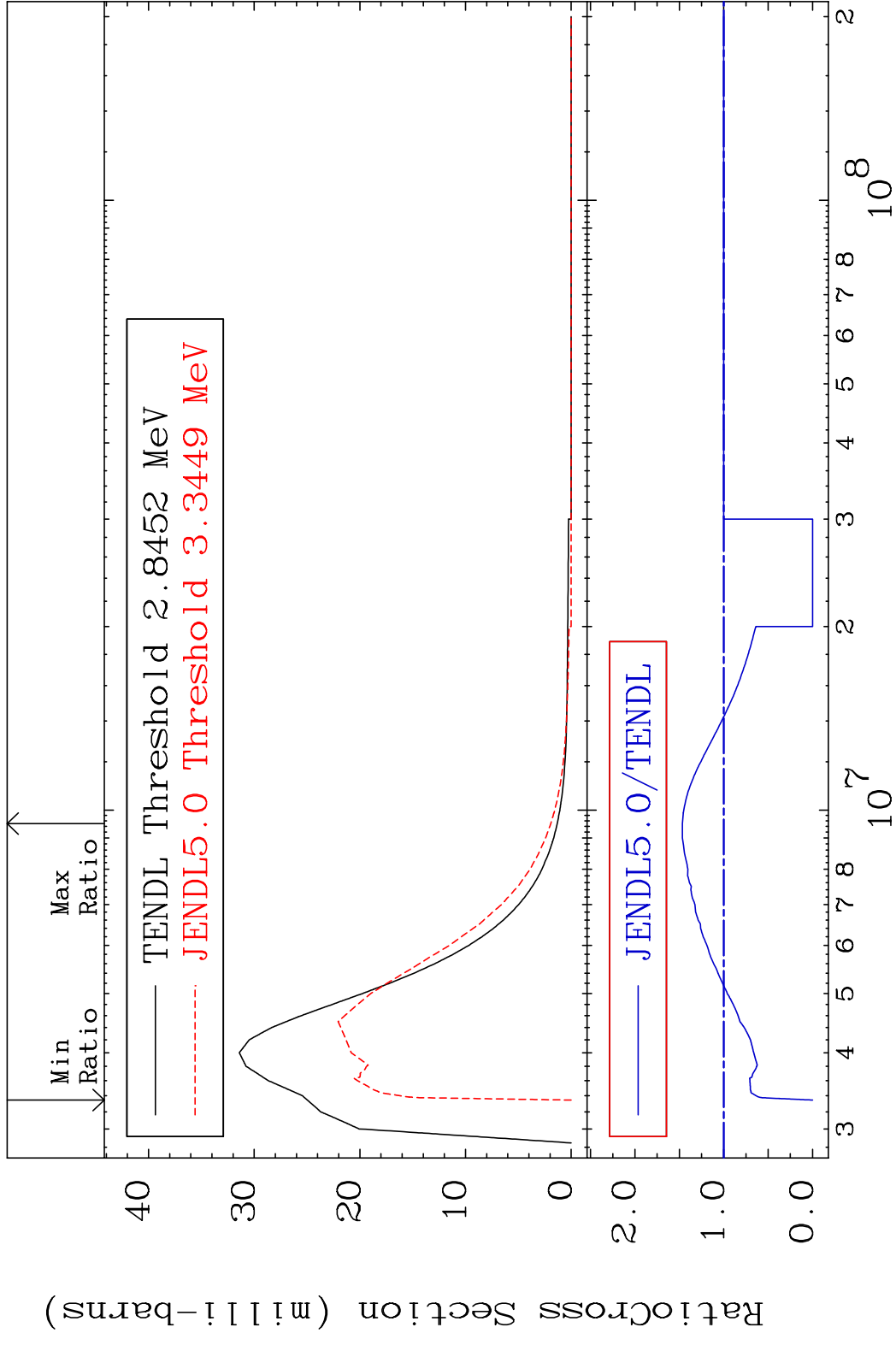


20 23-V -51

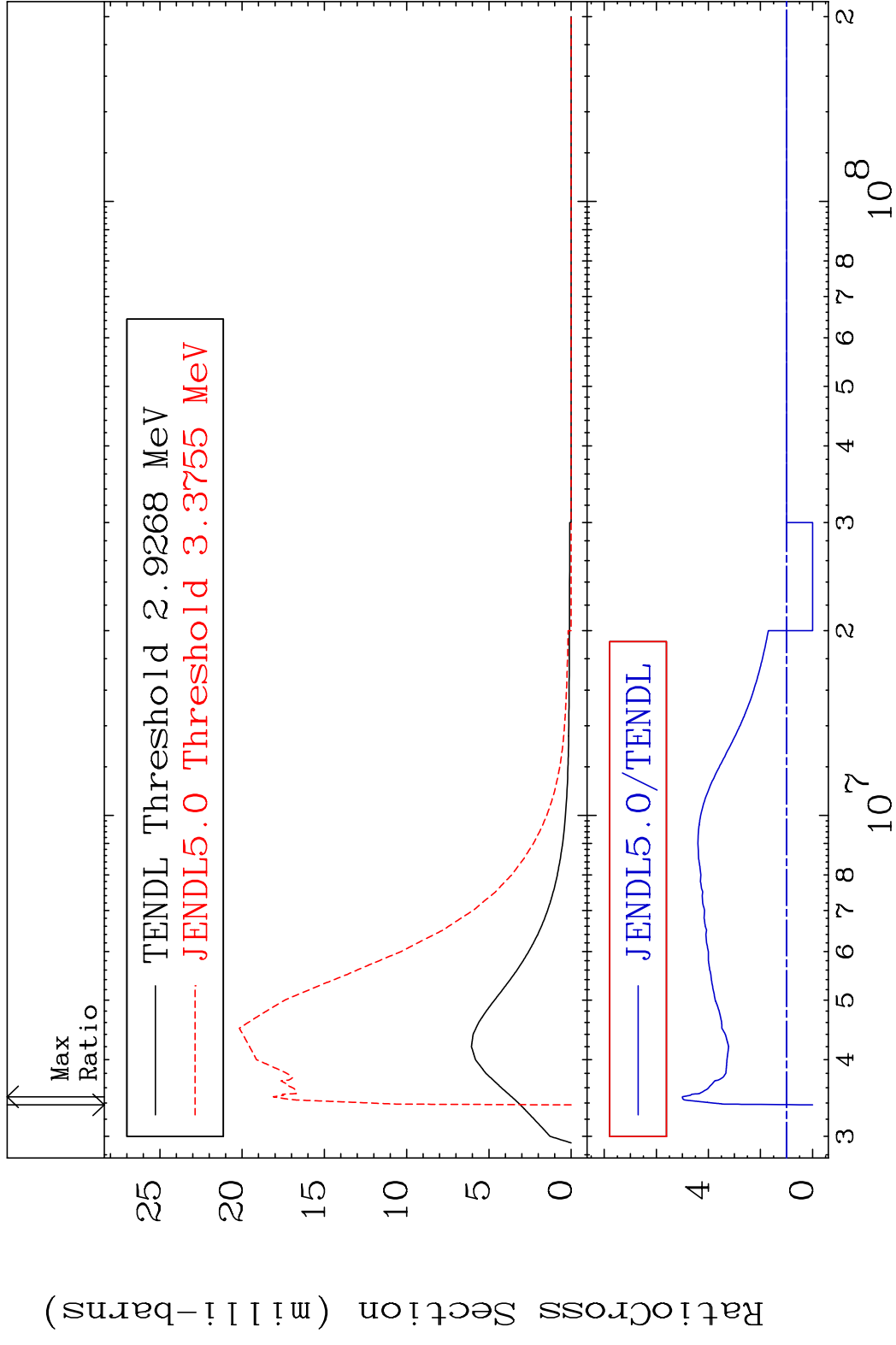
MAT 2328 MT= 63 (n, n') Level 23-V -51
 Cross Section -100.0 To 0.000 %



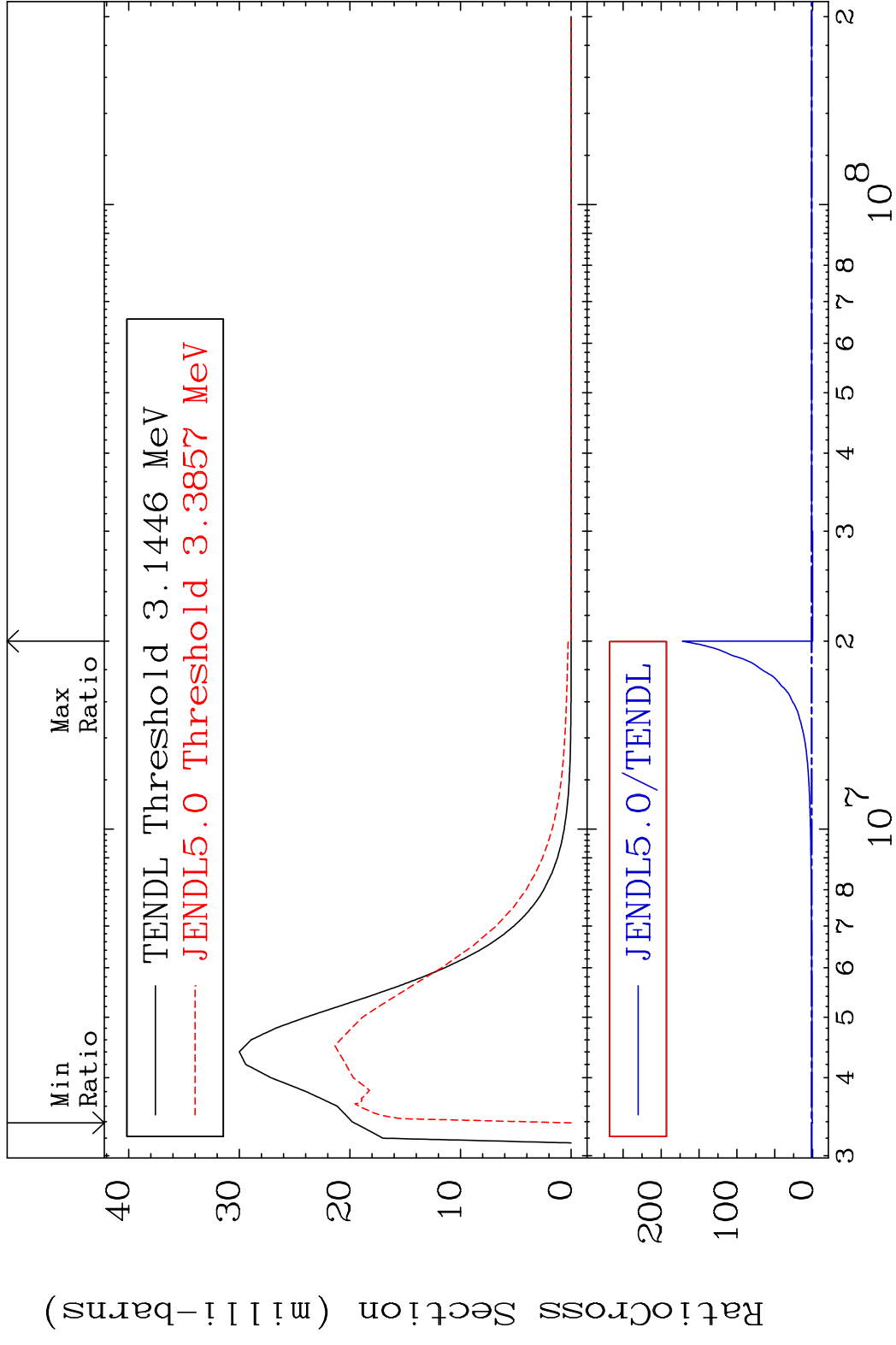
MAT 2328 MT= 64 (n,n') Level 23-V -51
 Cross Section -100.0 To 46.65 %



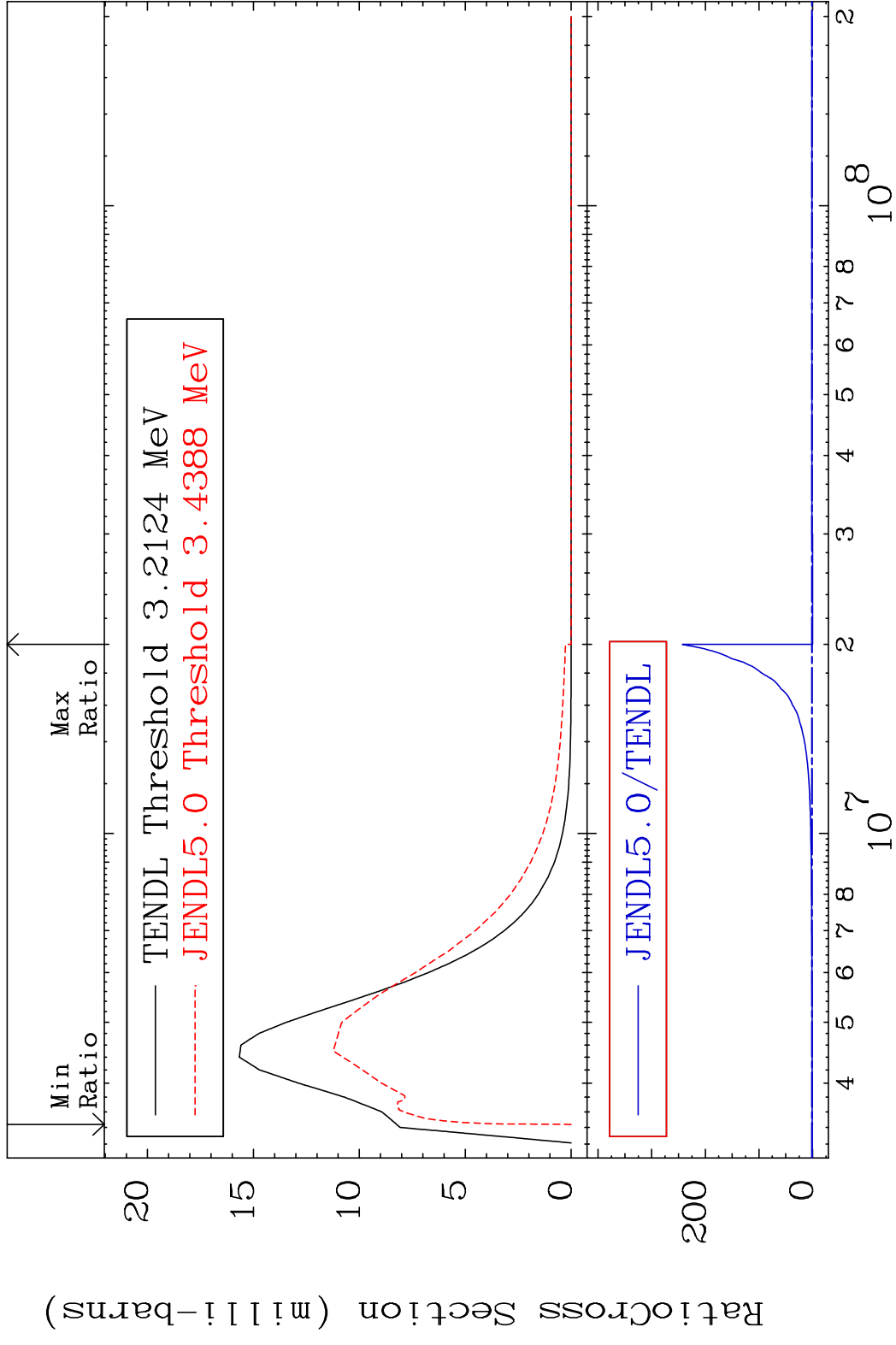
MAT 2328 MT= 65 (n,n') Level 23-V -51
 Cross Section -100.0 To 400.1 %



MAT 2328 MT= 66 (n, n') Level 23-V -51
 Cross Section -100.0 To 9999. %

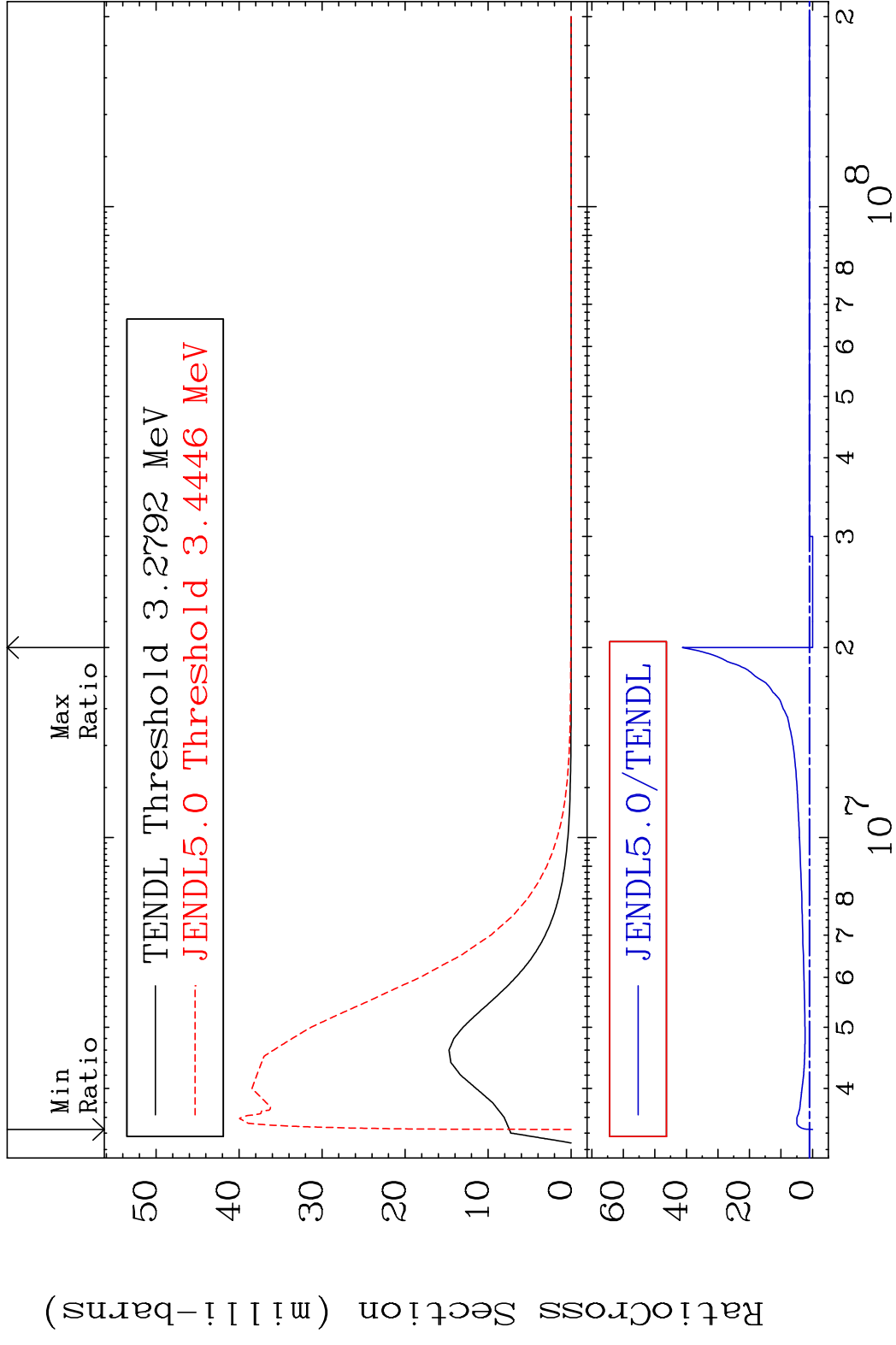


MAT 2328 MT= 67 (n,n') Level 23-V -51
 Cross Section -100.0 To 9999. %

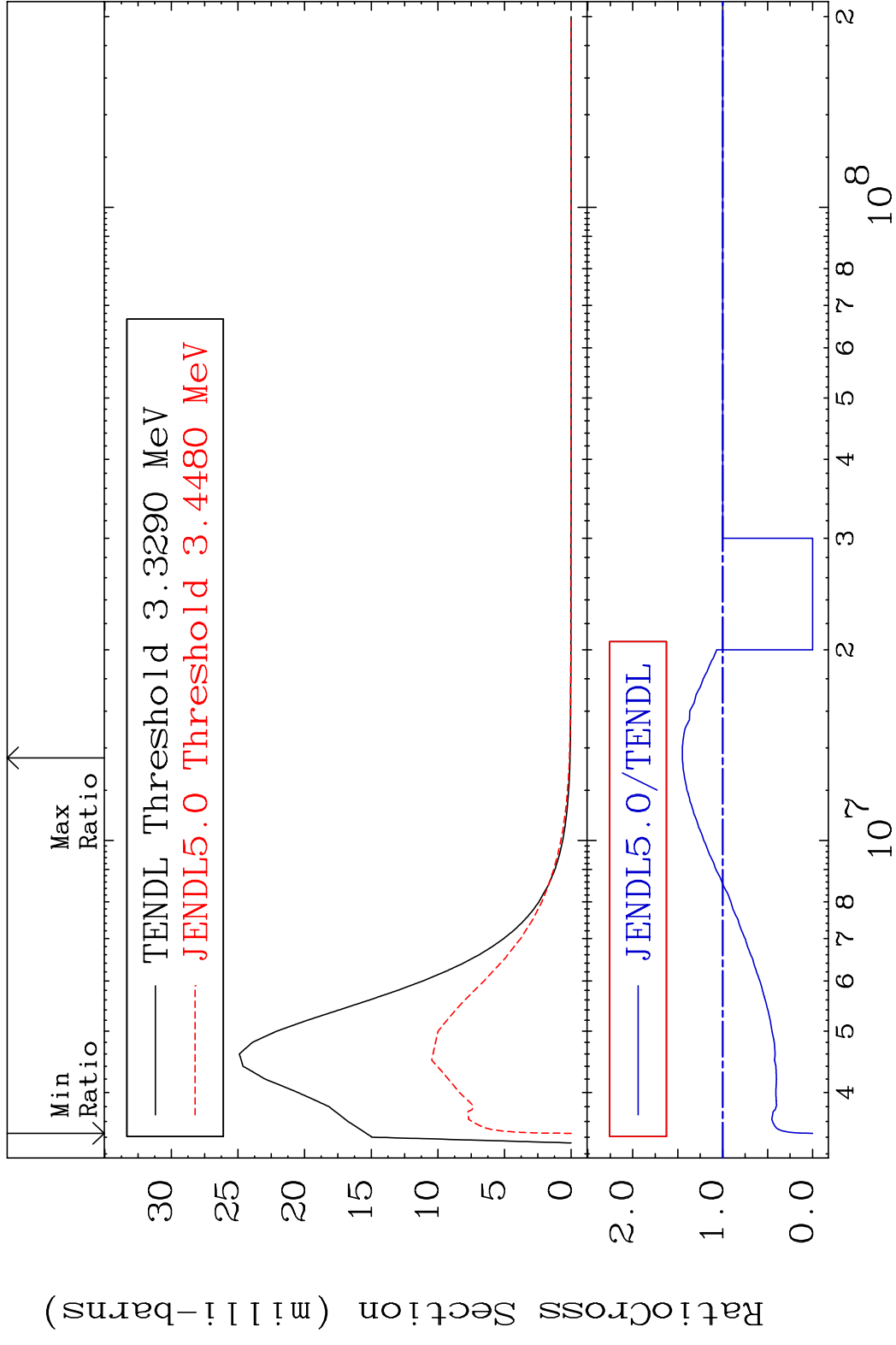


25 Incident Energy (eV) 23-V -51

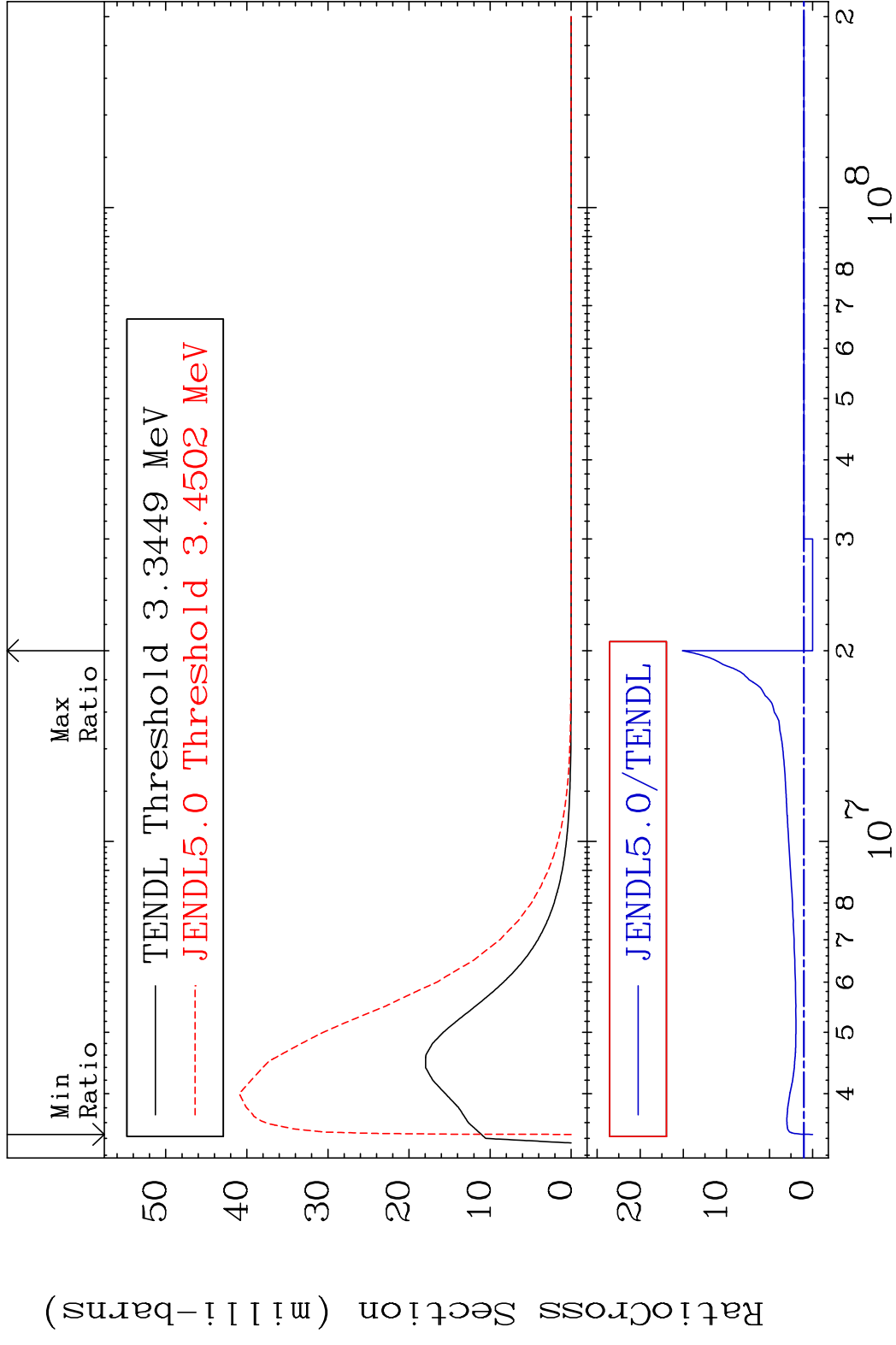
MAT 2328 MT= 68 (n, n') Level 23-V -51
 Cross Section -100.0 To 4029. %



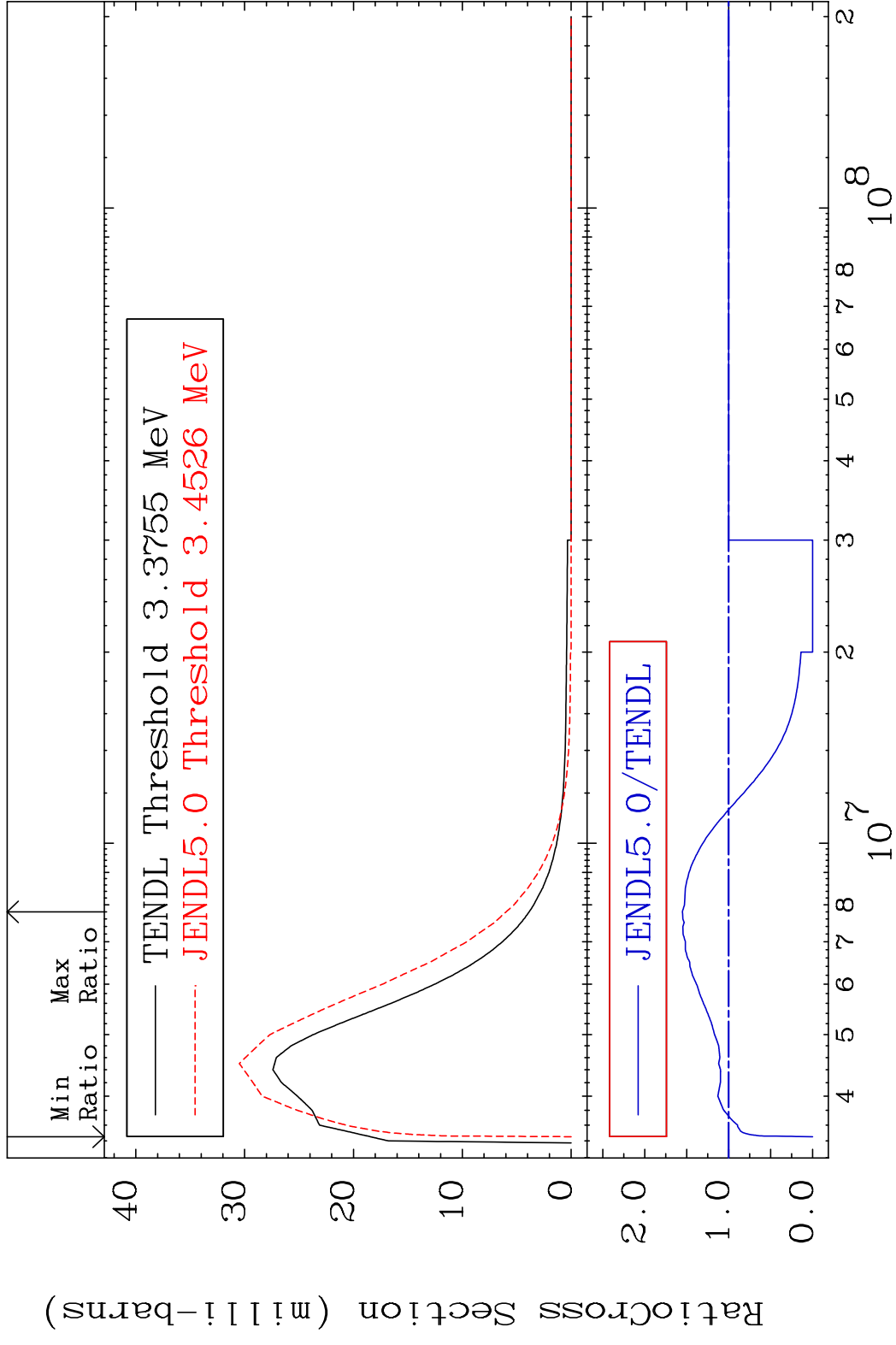
MAT 2328 MT= 69 (n, n') Level 23-V -51
 Cross Section -100.0 To 44.85 %



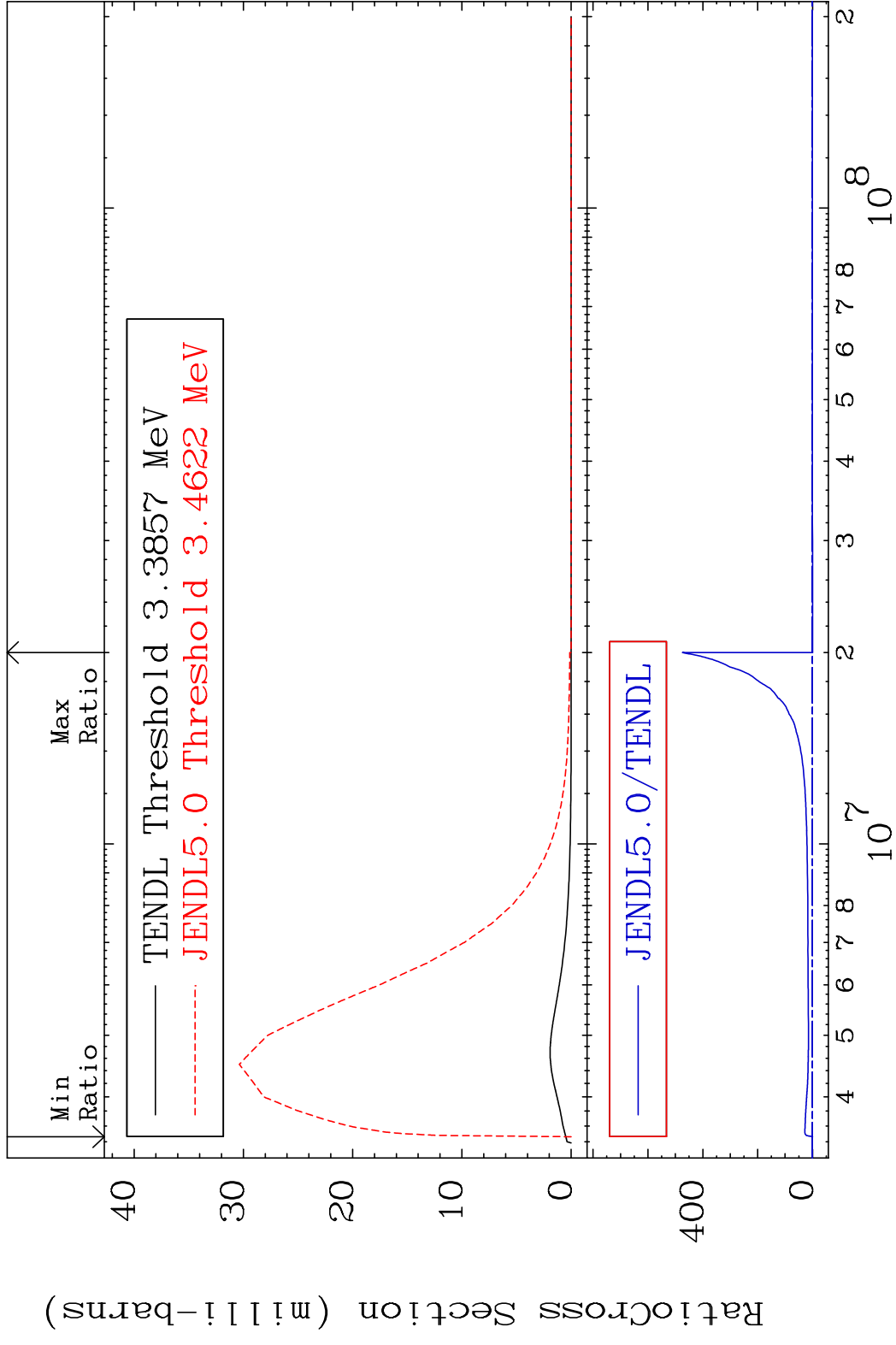
MAT 2328 MT= 70 (n, n') Level 23-V -51
 Cross Section -100.0 To 1411. %



MAT 2328 MT= 71 (n,n') Level 23-V -51
 Cross Section -100.0 To 55.17 %

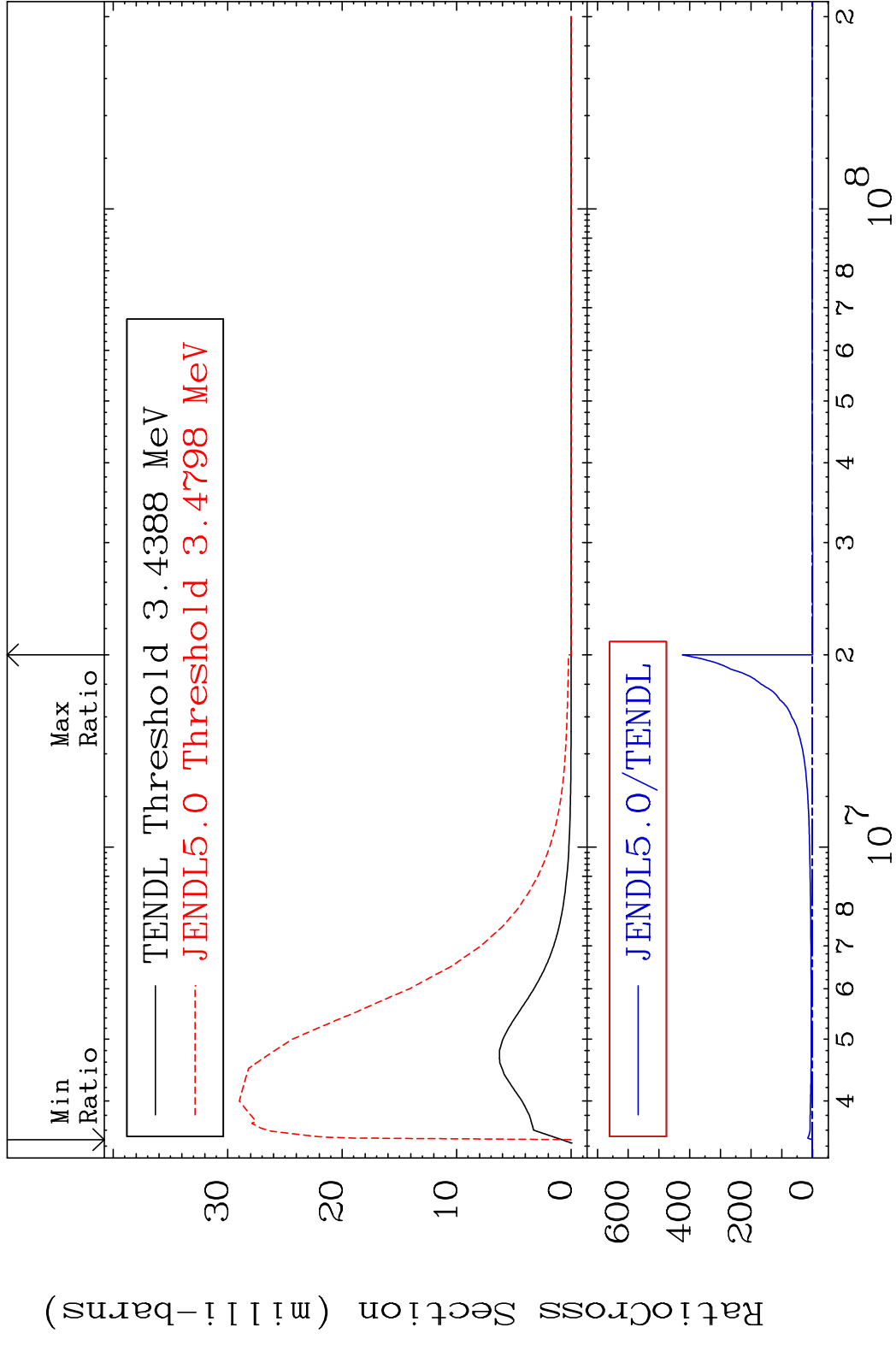


MAT 2328 MT= 72 (n, n') Level 23-V -51
 Cross Section -100.0 To 9999. %

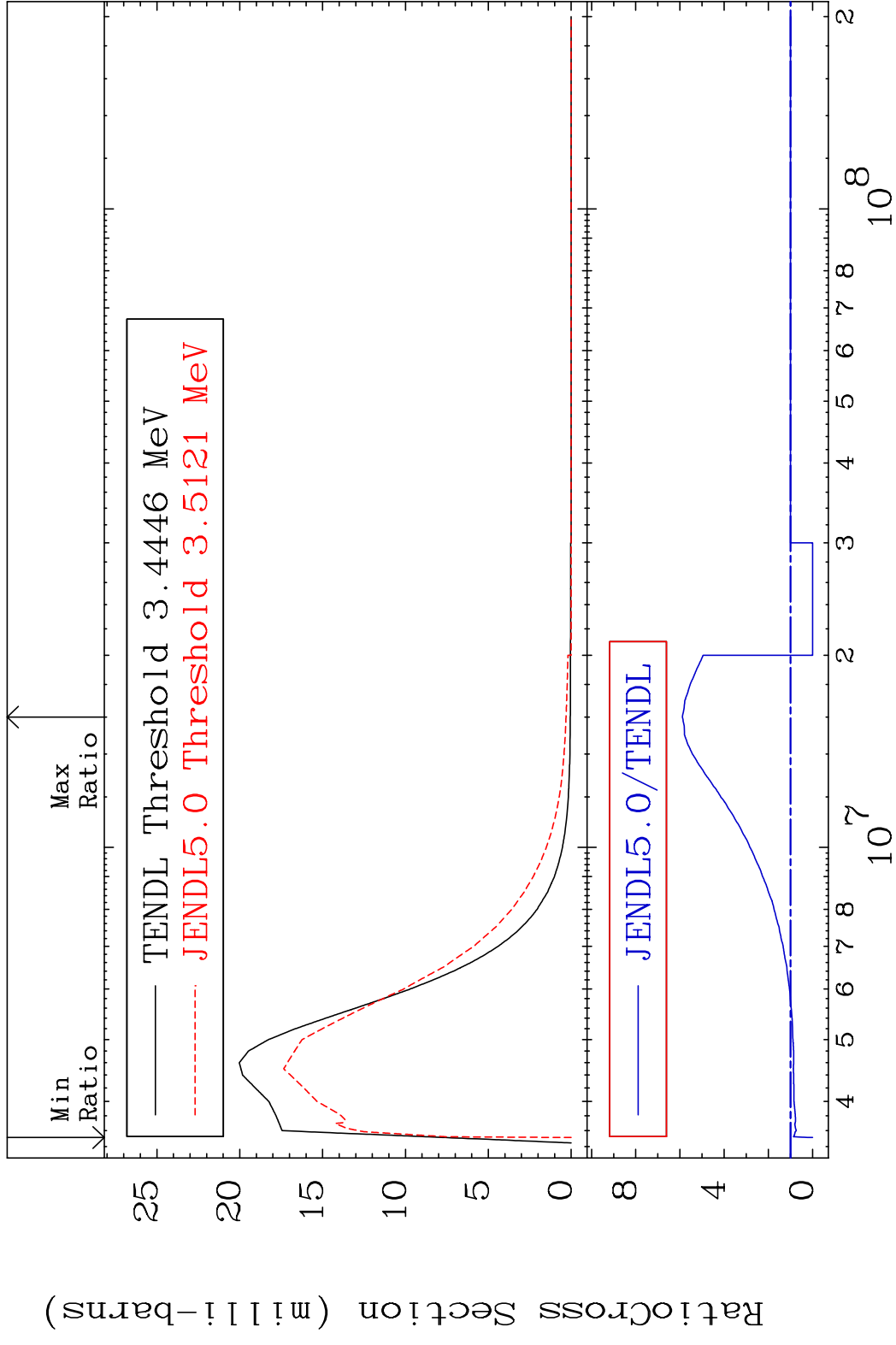


30 Incident Energy (eV) 23-V -51

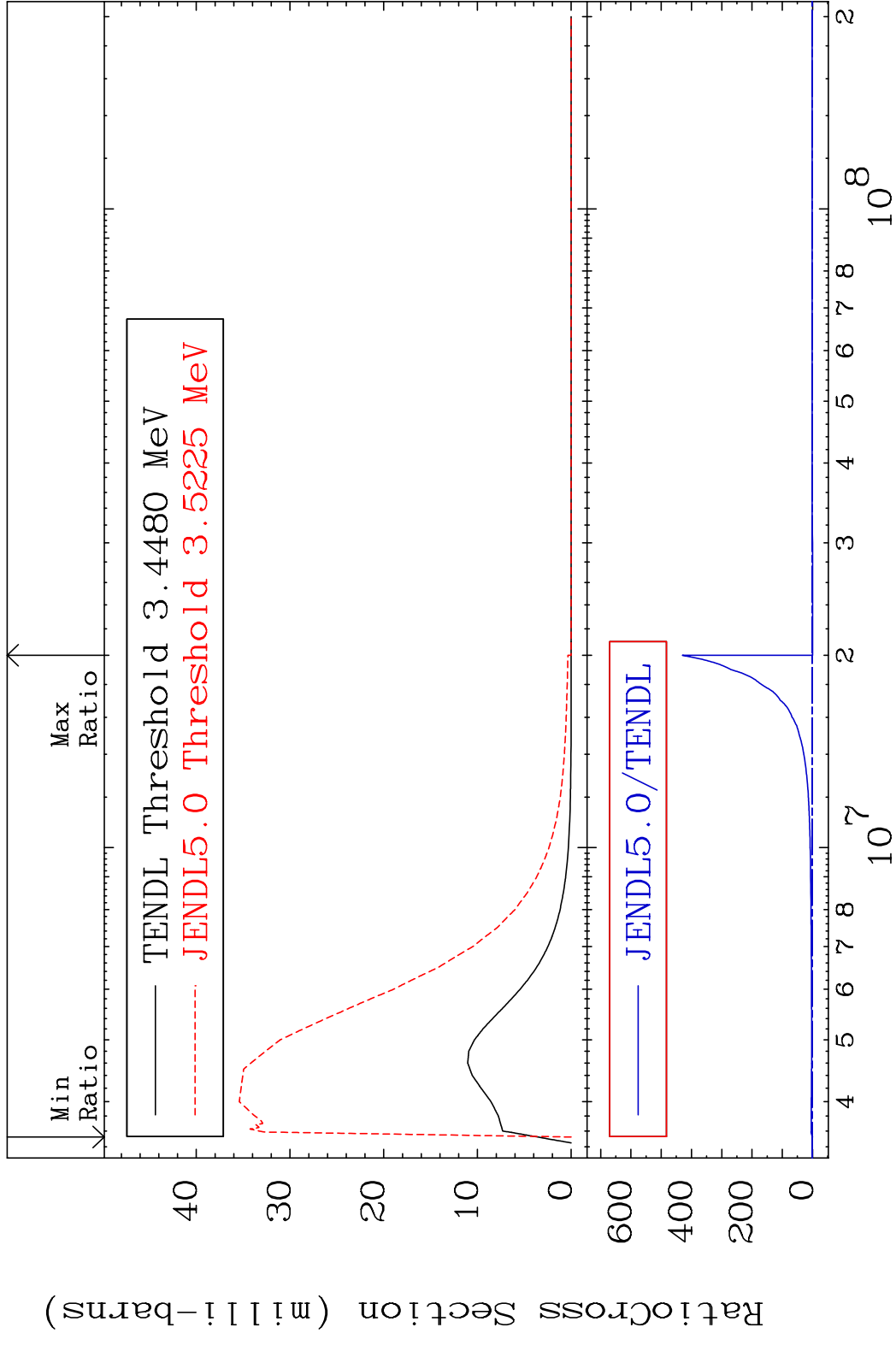
MAT 2328 MT= 73 (n, n') Level 23-V -51
 Cross Section -100.0 To 9999. %



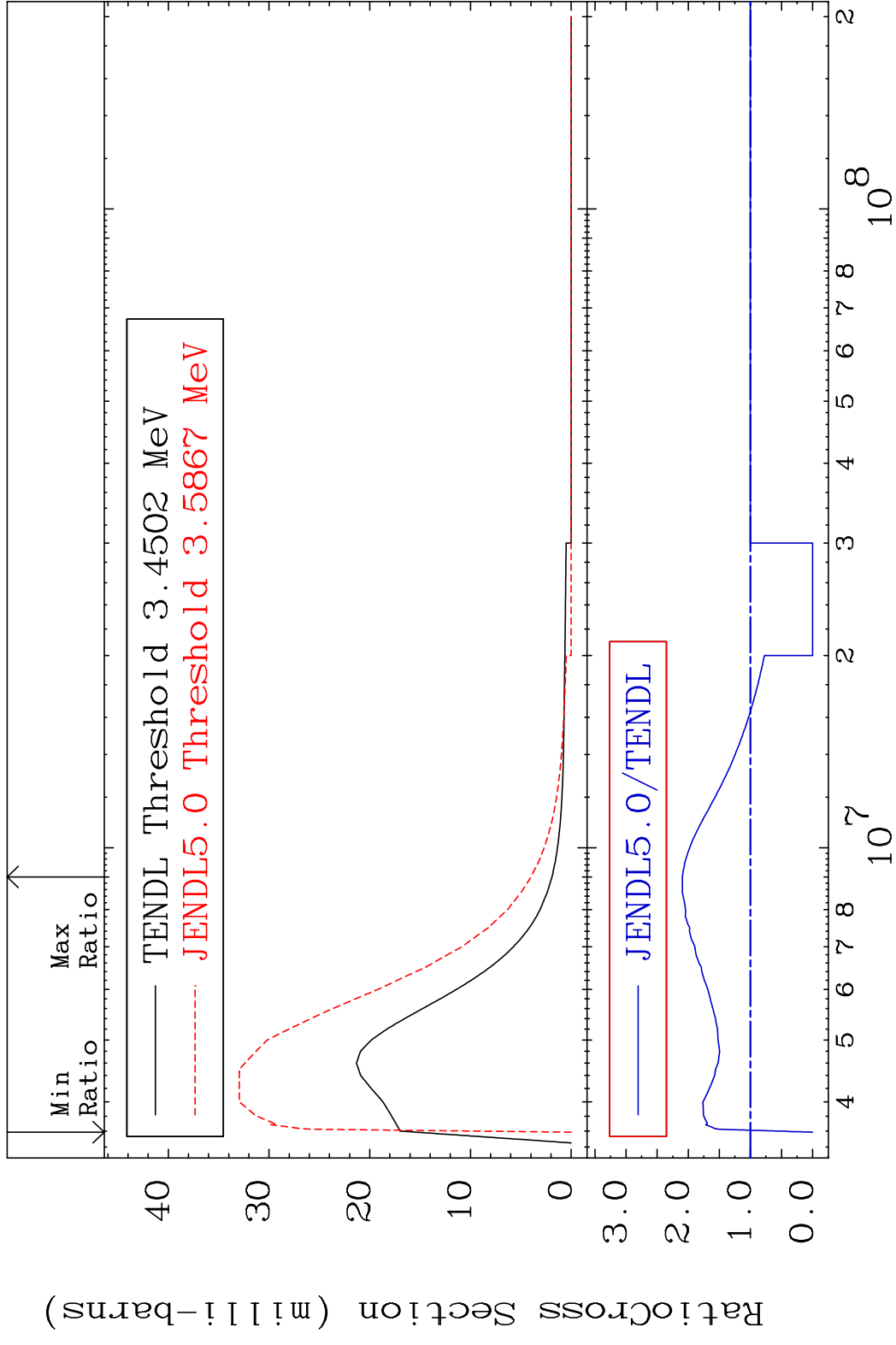
MAT 2328 MT= 74 (n,n') Level 23-V -51
 Cross Section -100.0 To 489.1 %



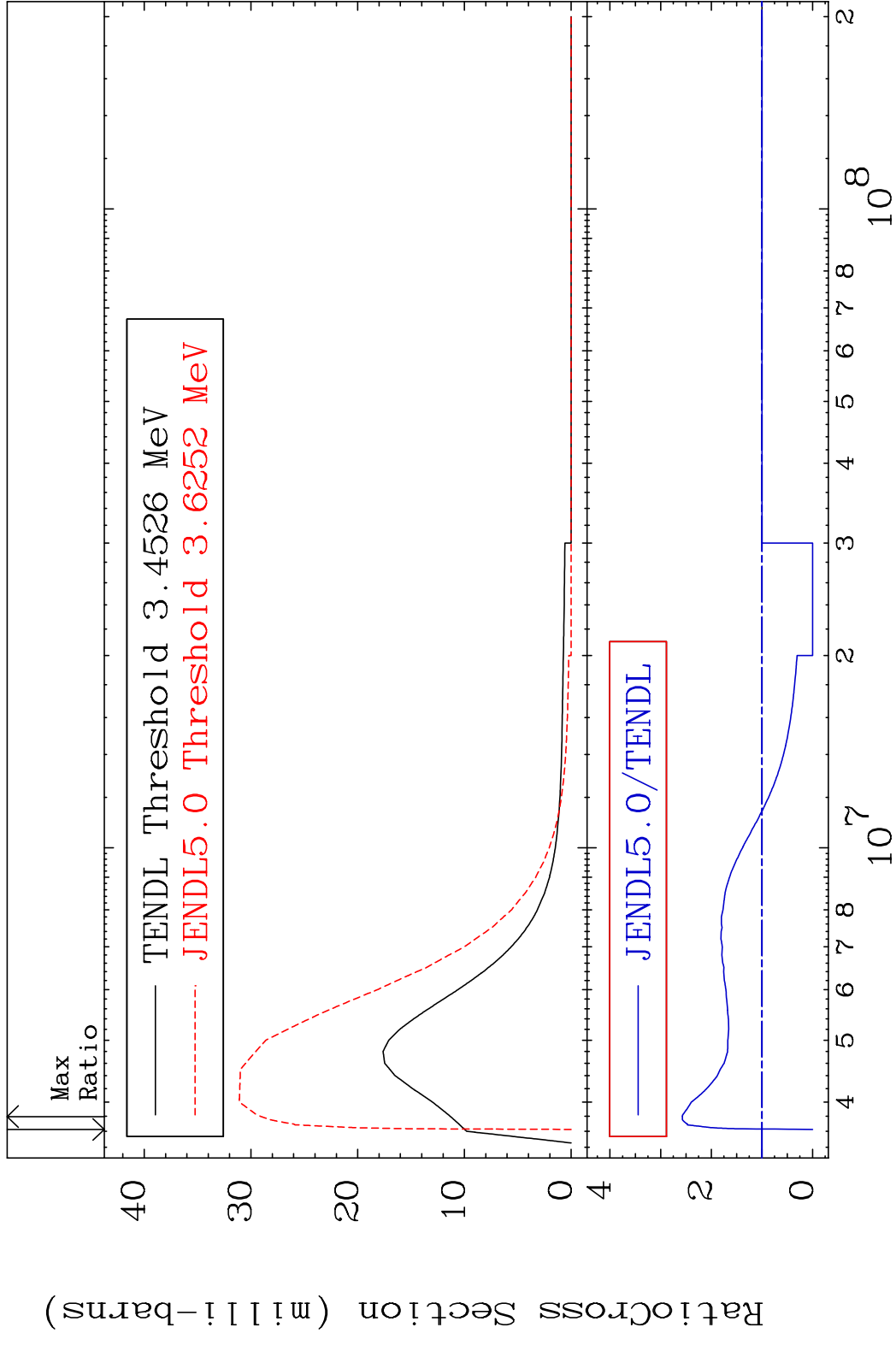
MAT 2328 MT= 75 (n,n') Level 23-V -51
 Cross Section -100.0 To 9999. %



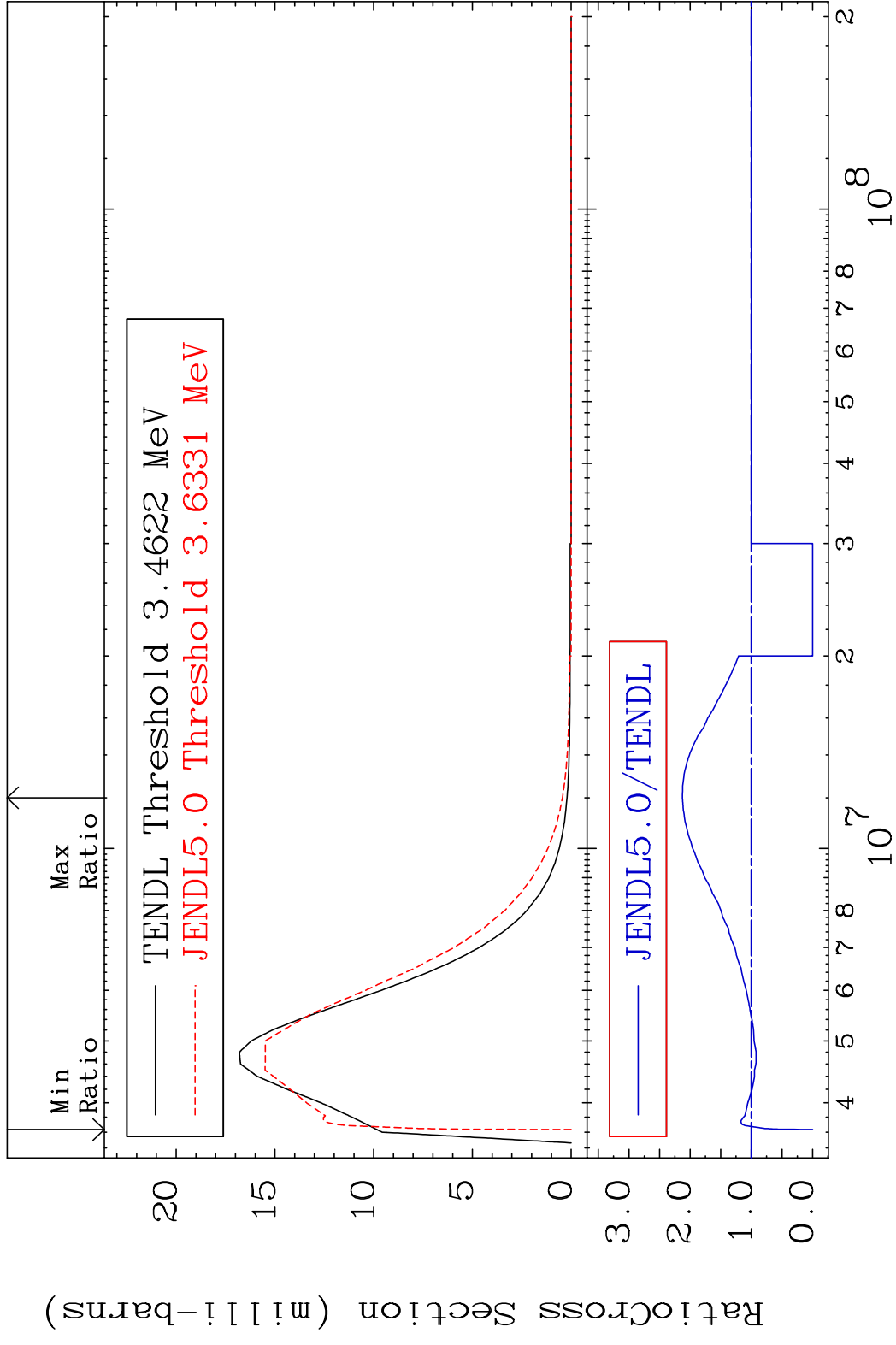
MAT 2328 MT= 76 (n,n') Level 23-V -51
 Cross Section -100.0 To 109.5 %



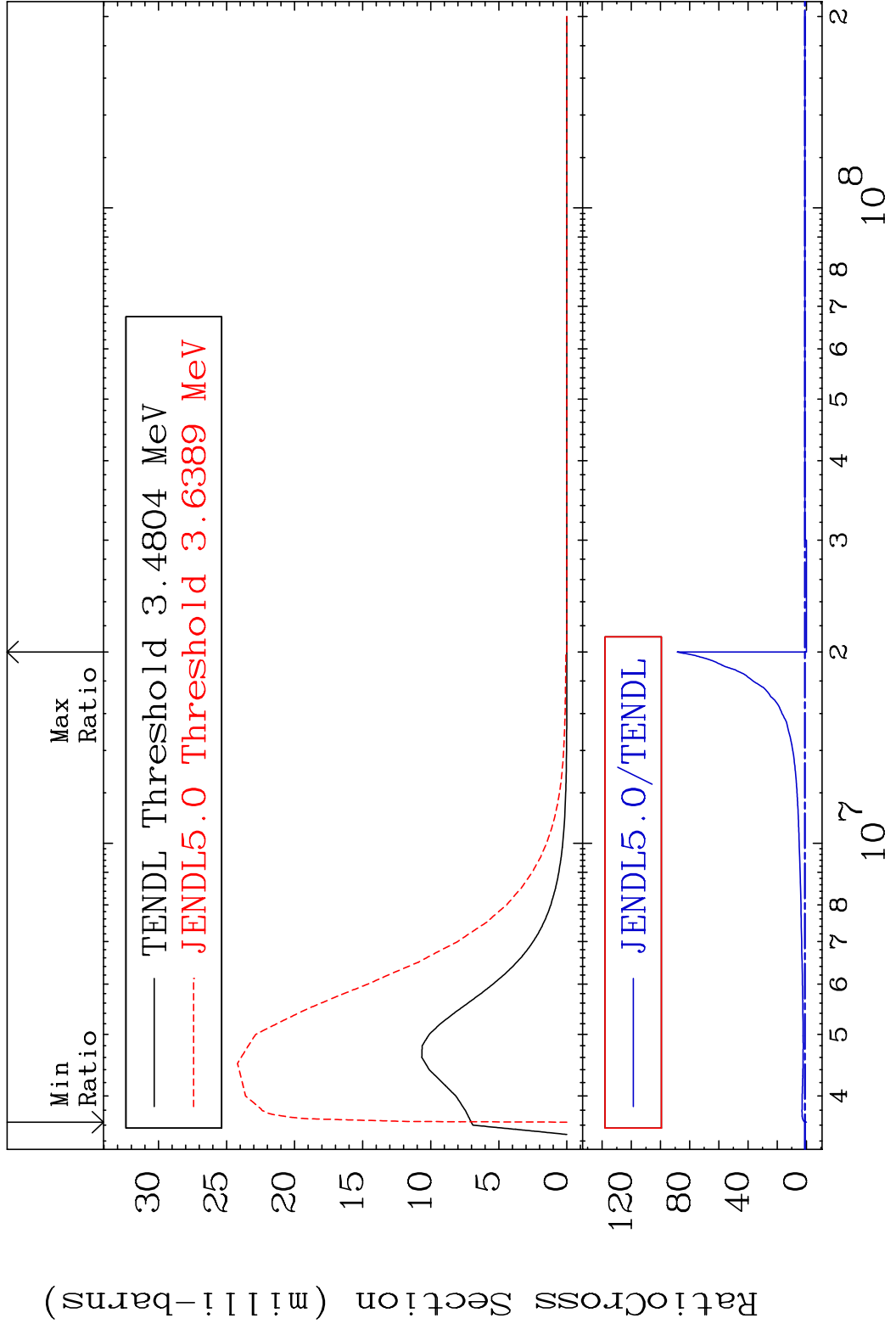
MAT 2328 MT= 77 (n,n') Level 23-V -51
 Cross Section -100.0 To 157.1 %



MAT 2328 MT= 78 (n, n') Level 23-V -51
 Cross Section -100.0 To 112.7 %

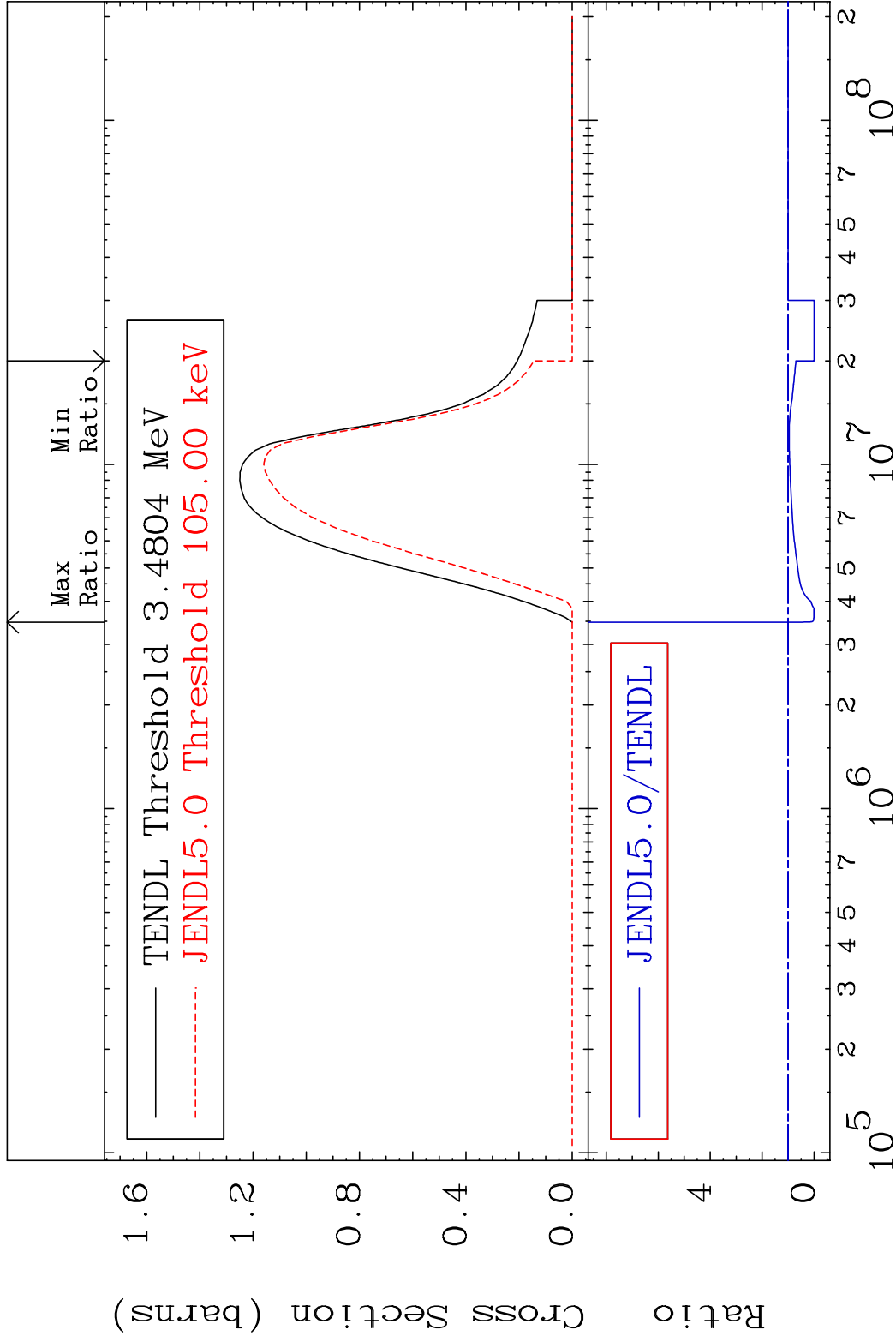


MAT 2328 MT= 79 (n, n') Level 23-V -51
 Cross Section -100.0 To 8756. %



MAT 2328

(n, n') Continuum 23-V -51
Cross Section -100.0 To 402.1 %



38

Incident Energy (eV)

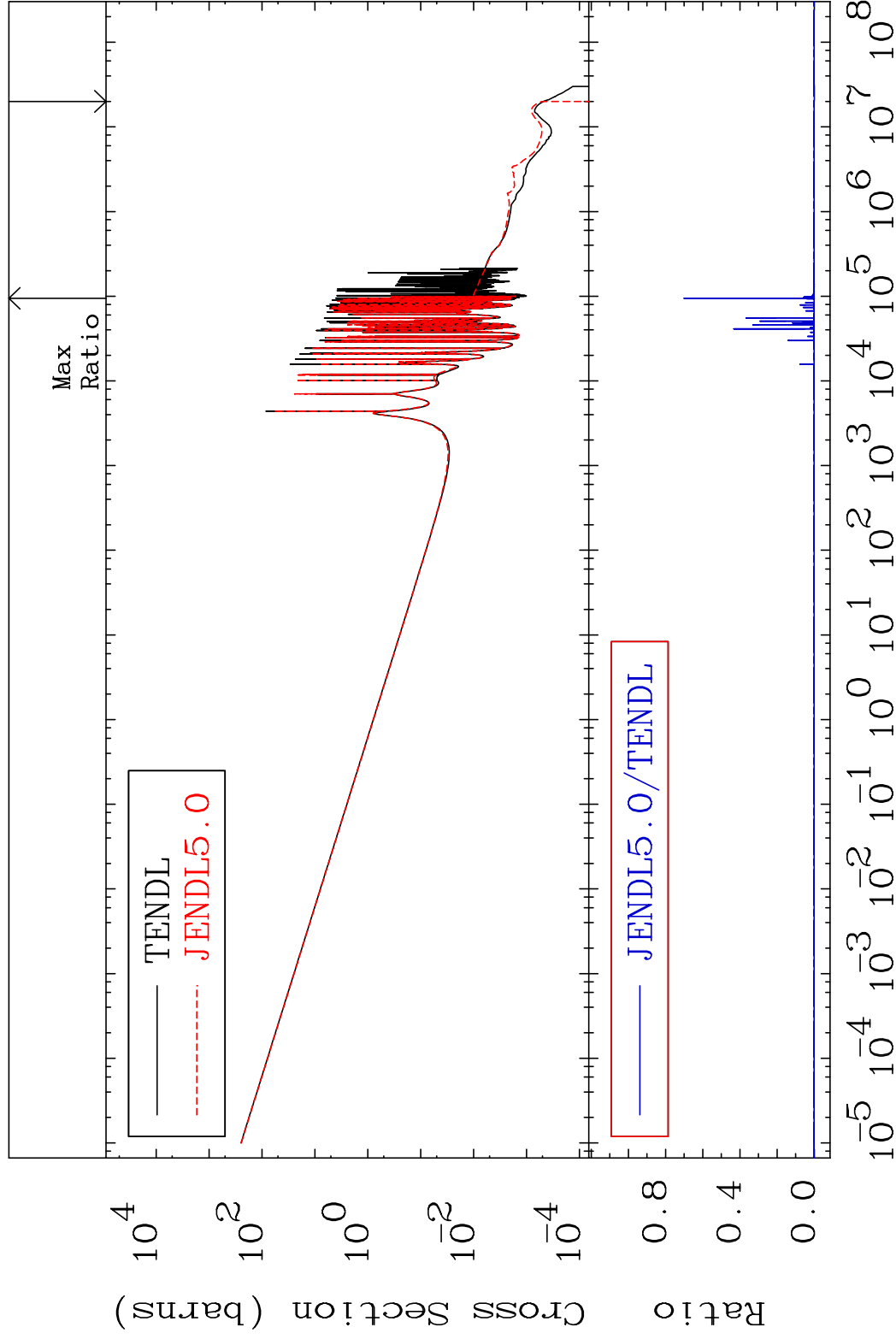
23-V -51

MAT 2328

(n, γ)

23-V -51

Cross Section -100.0 To 9999. %

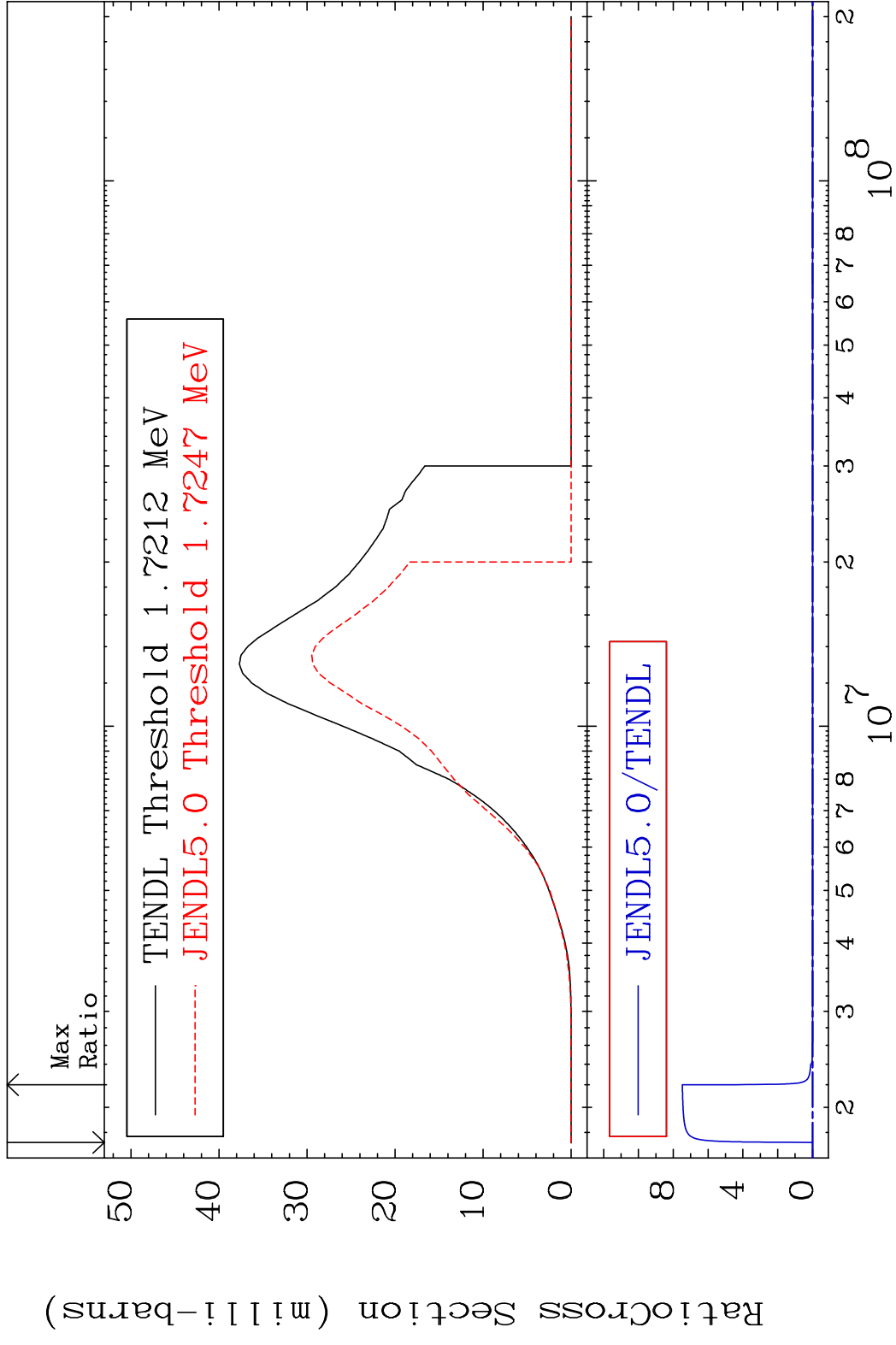


39

Incident Energy (eV)

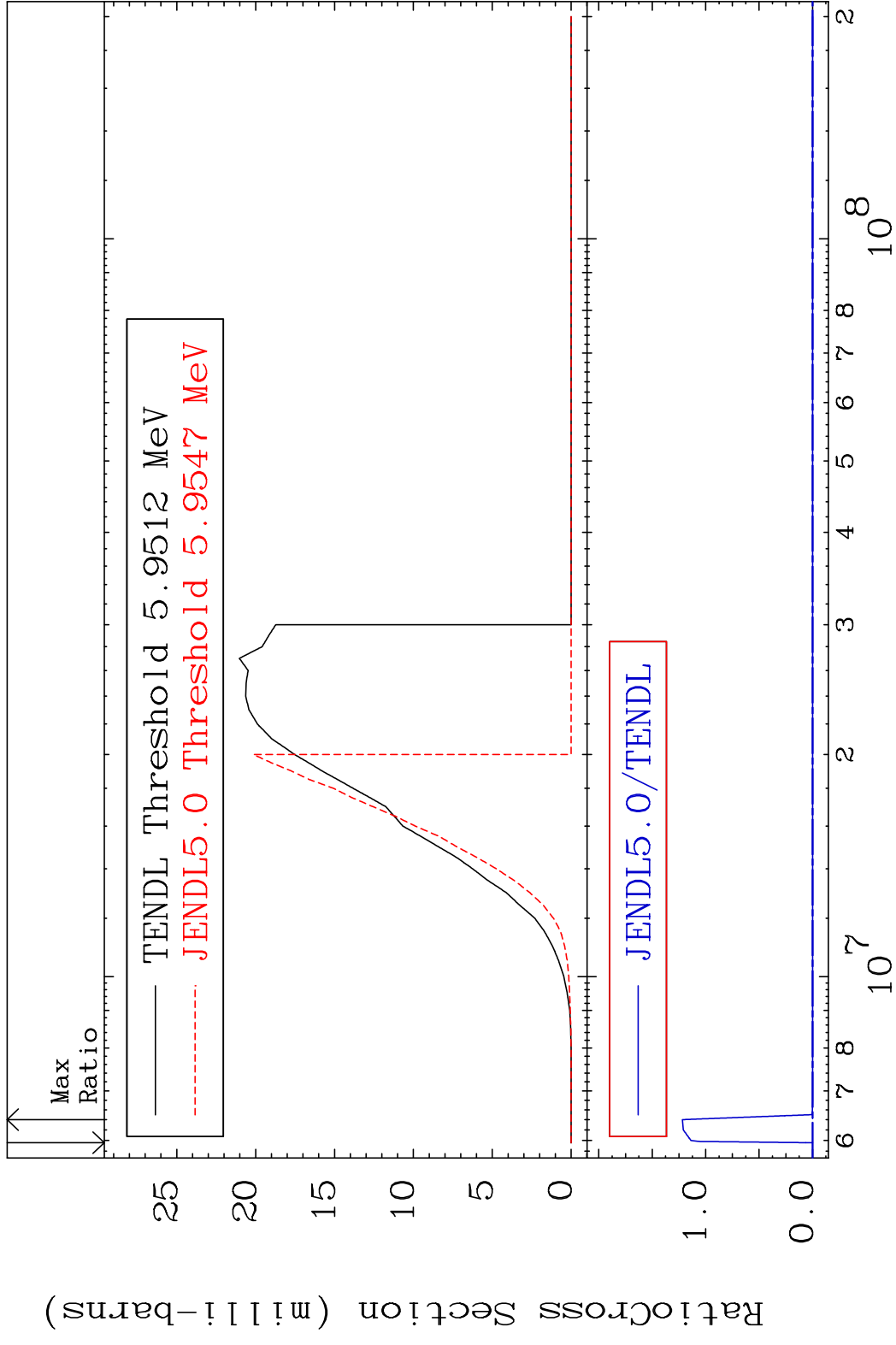
23-V -51

MAT 2328 (n,p) 23-V -51
 Cross Section -100.0 To 9999. %

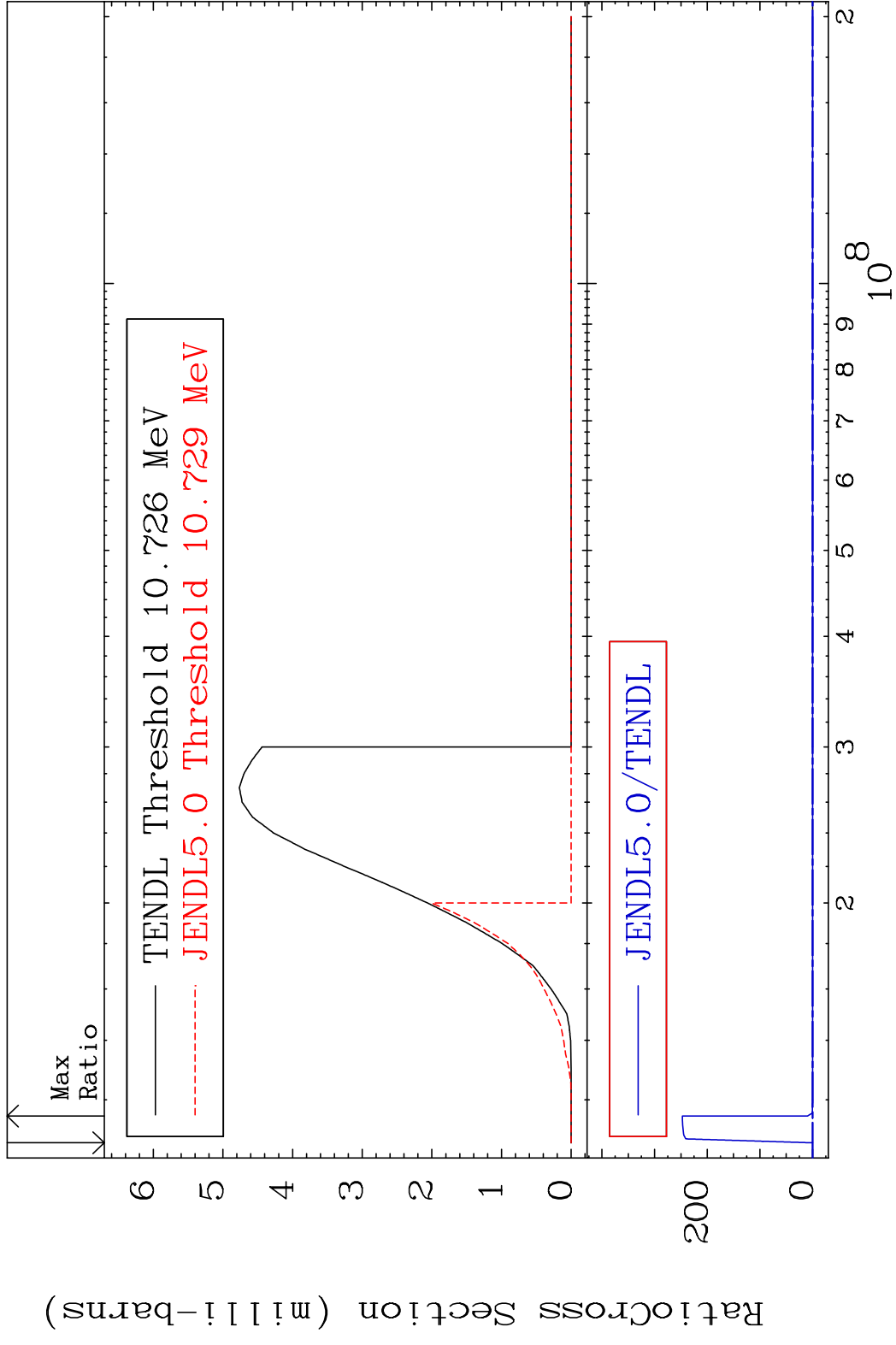


40 Incident Energy (eV) 23-V -51

MAT 2328 (n,d) 23-V -51
 Cross Section -100.0 To 9999. %



MAT 2328 (n, t) 23-V -51
 Cross Section -100.0 To 9999. %



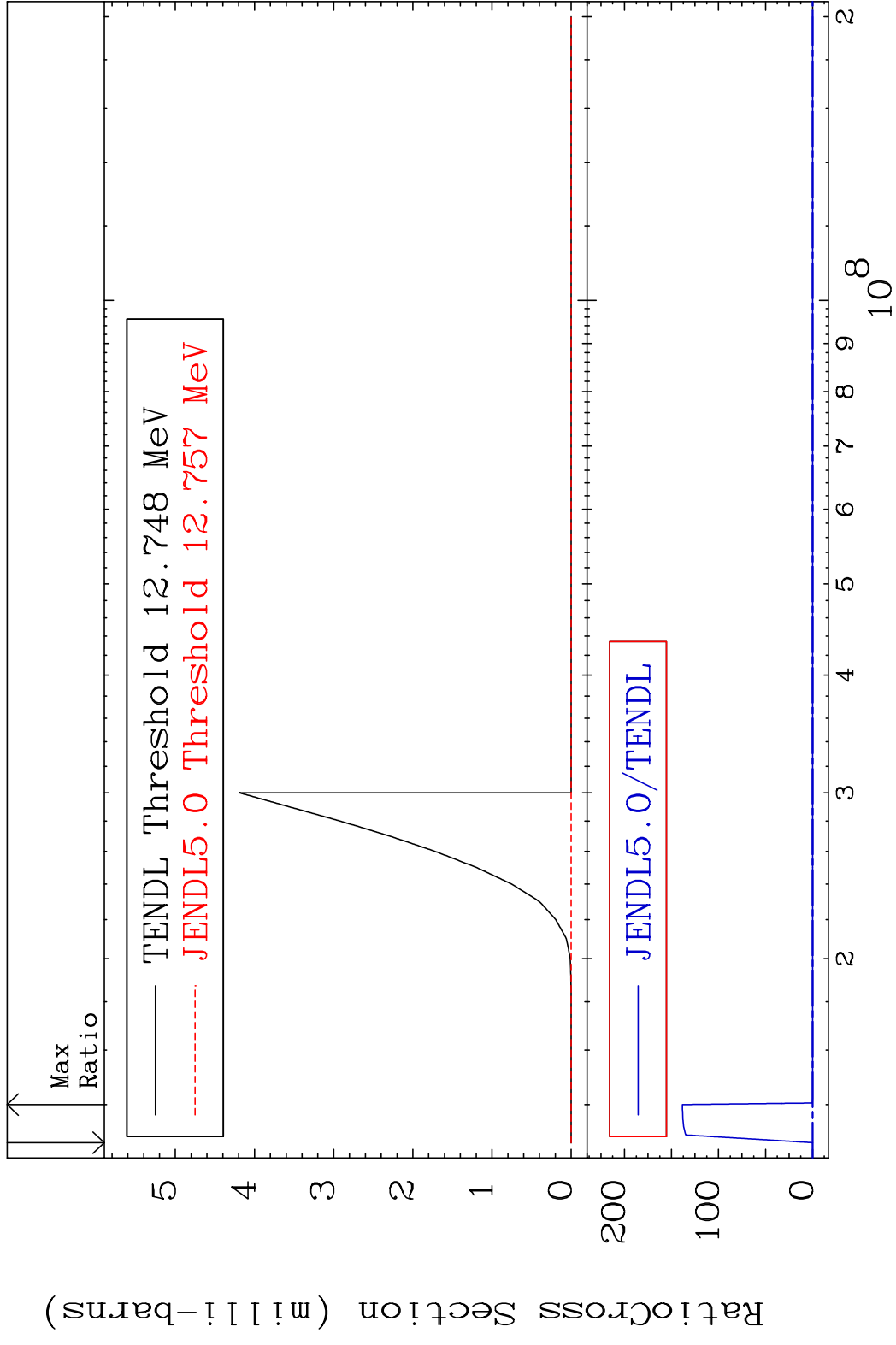
42 Incident Energy (eV) 23-V -51

MAT 2328

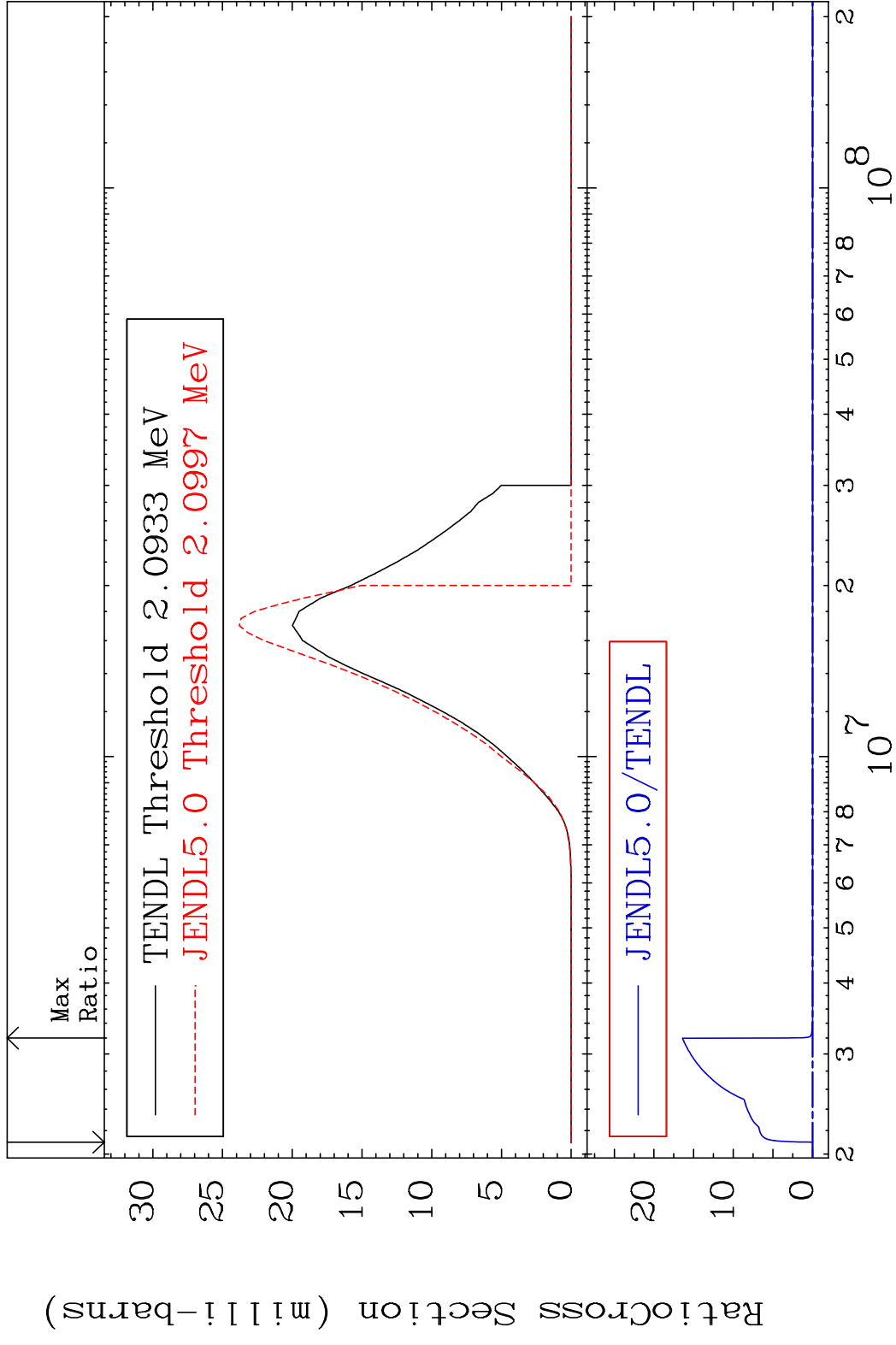
(n, He-3)

23-V -51

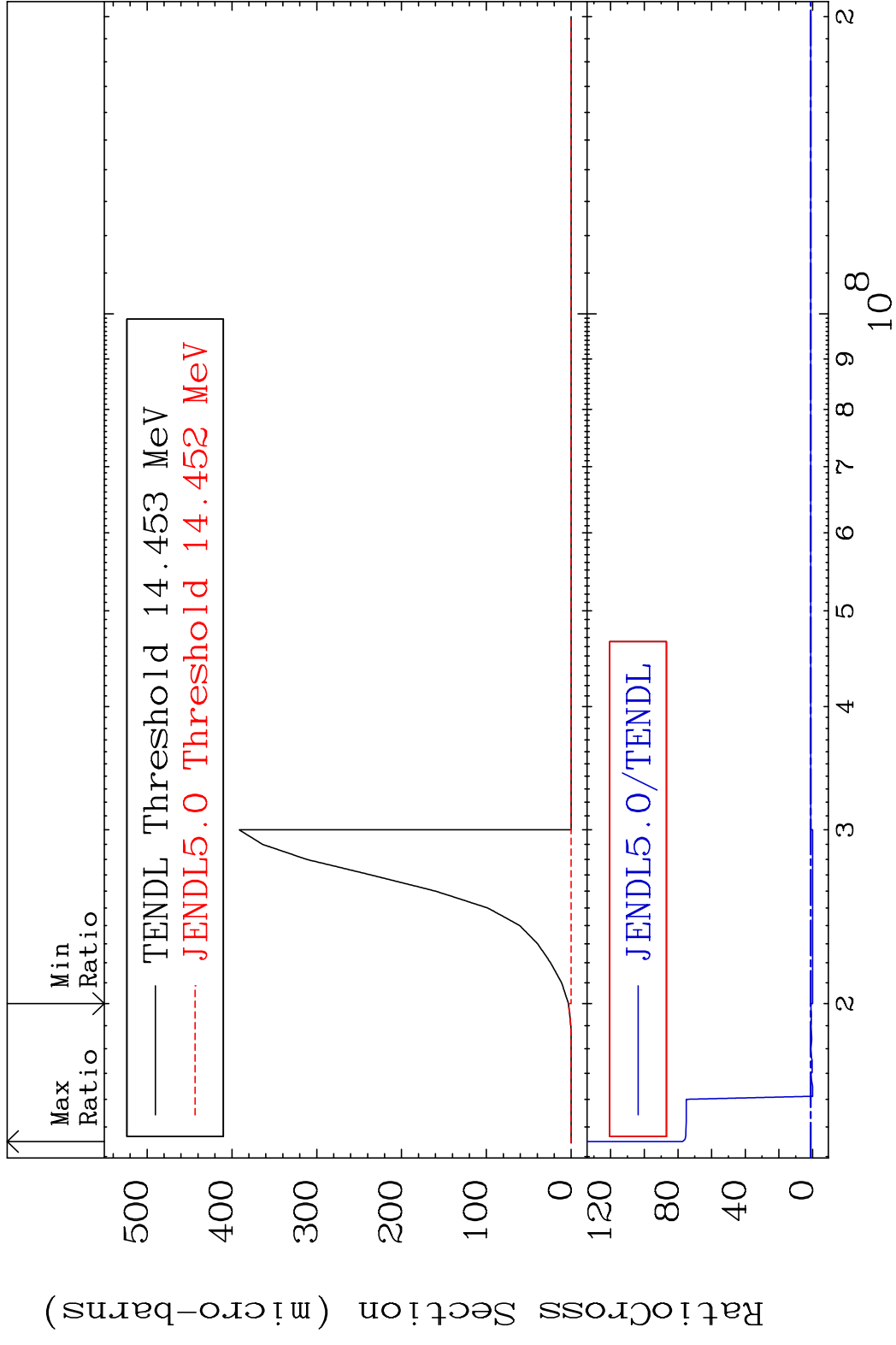
Cross Section -100.0 To 9999. %



MAT 2328 (n, α) 23-V -51
 Cross Section -100.0 To 9999. %



MAT 2328 (n,2p) 23-V -51
 Cross Section -100.0 To 7639. %



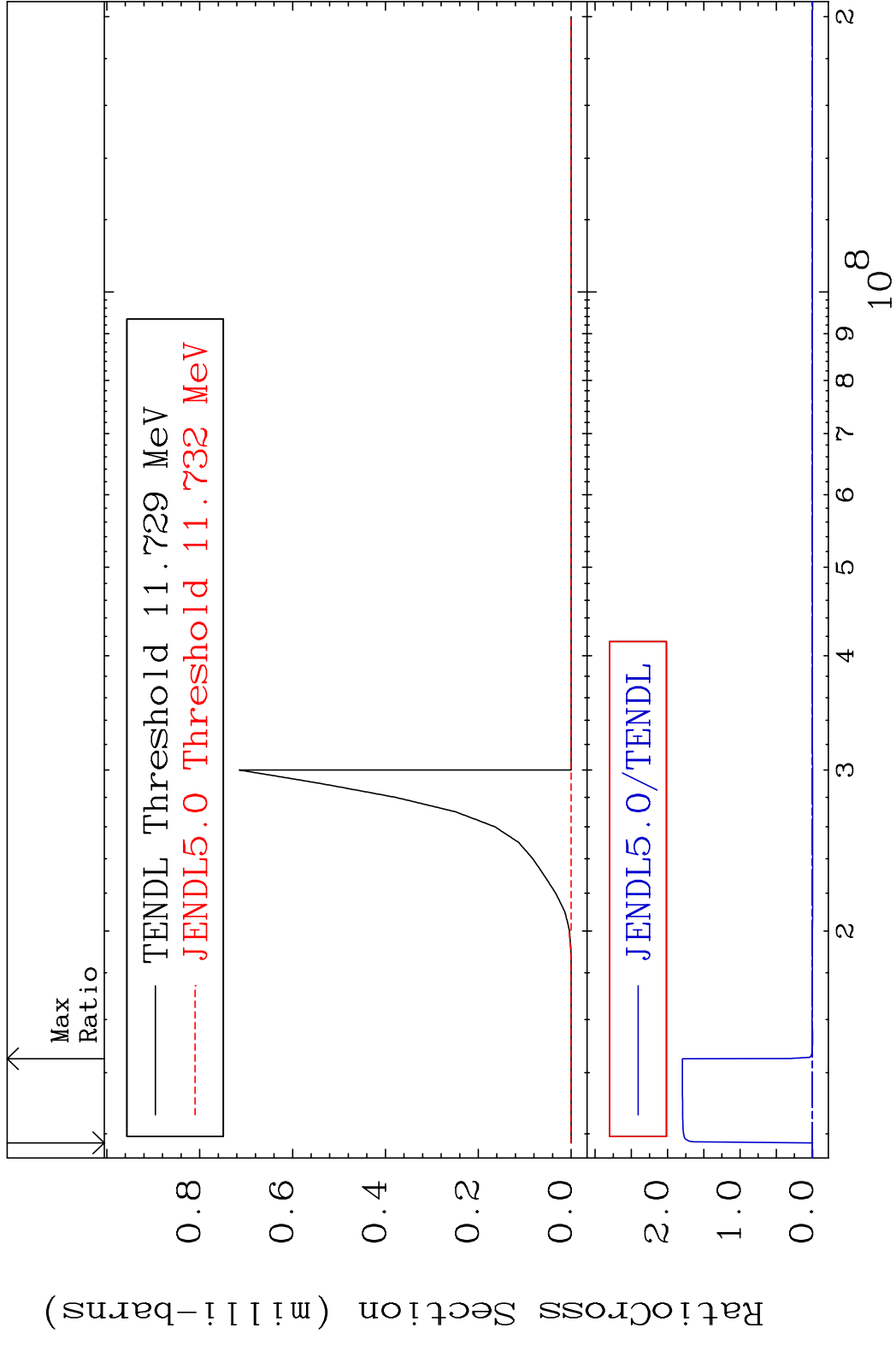
45 Incident Energy (eV) 23-V -51

MAT 2328

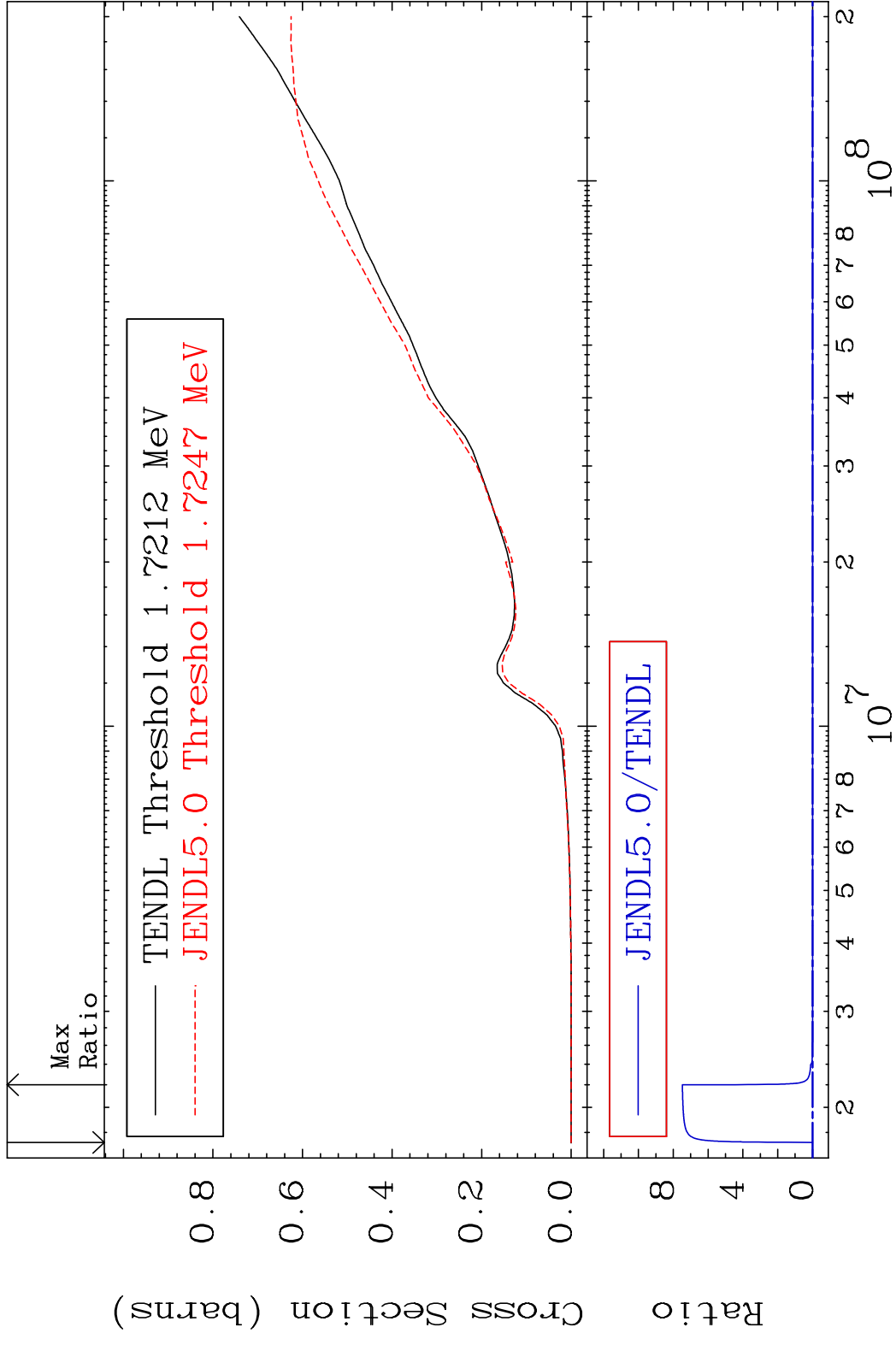
(n,p) α

23-V -51

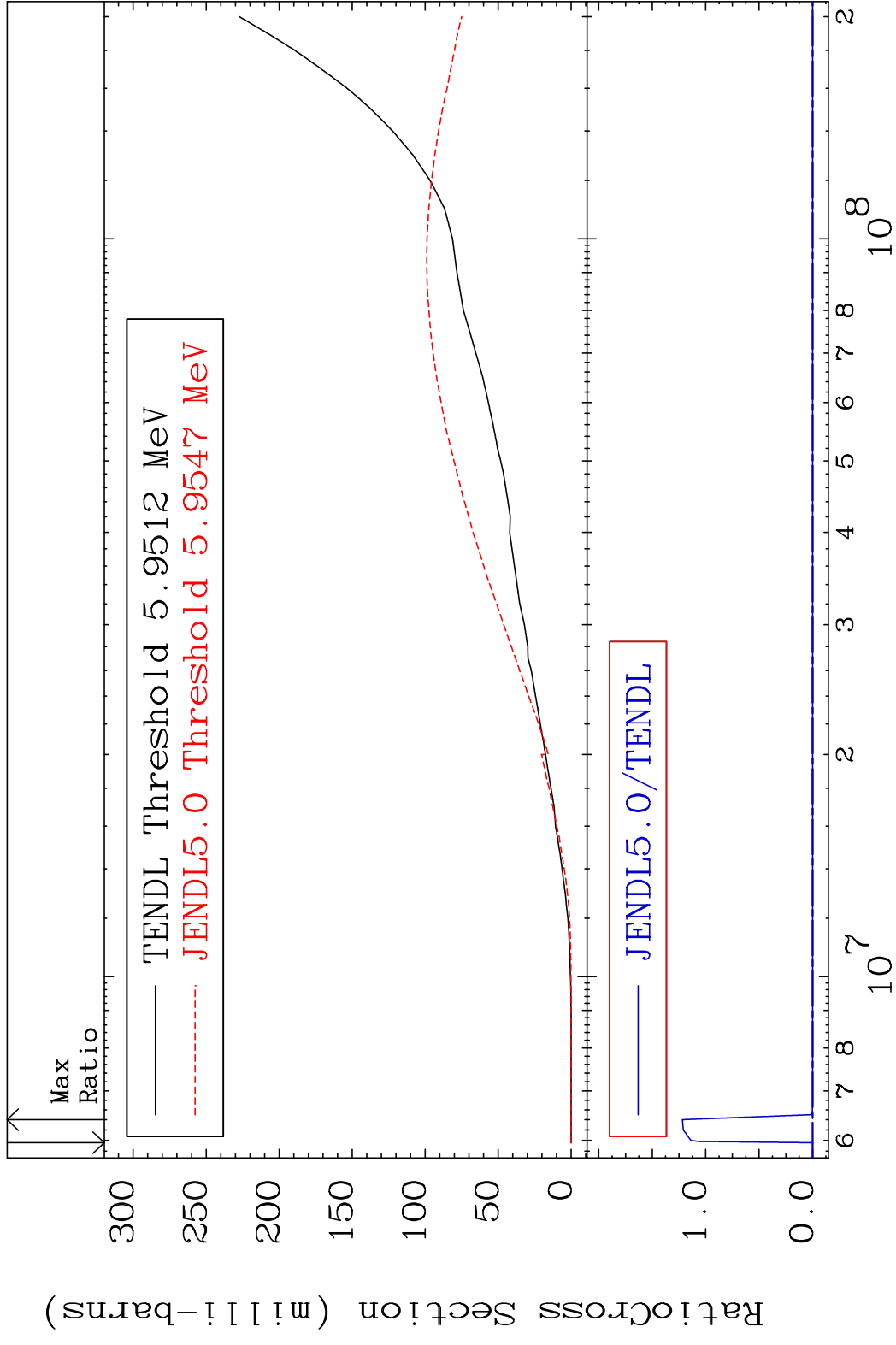
Cross Section -100.0 To 9999. %



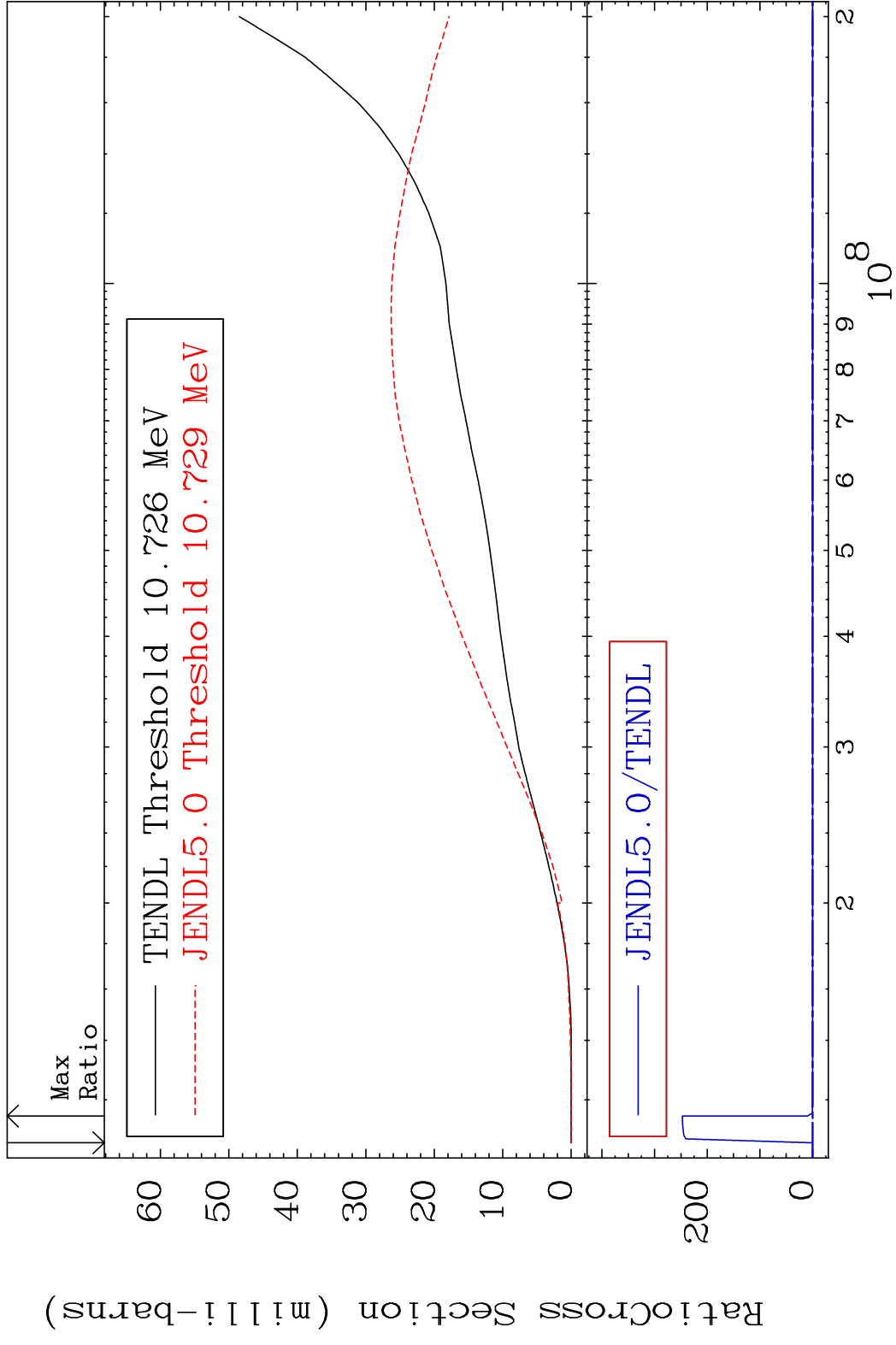
MAT 2328 Hydrogen Production 23-V -51
 Cross Section -100.0 To 9999. %



MAT 2328 Deuterium Production 23-V -51
 Cross Section -100.0 To 9999. %



MAT 2328 Tritium Production 23-V -51
 Cross Section -100.0 To 9999. %

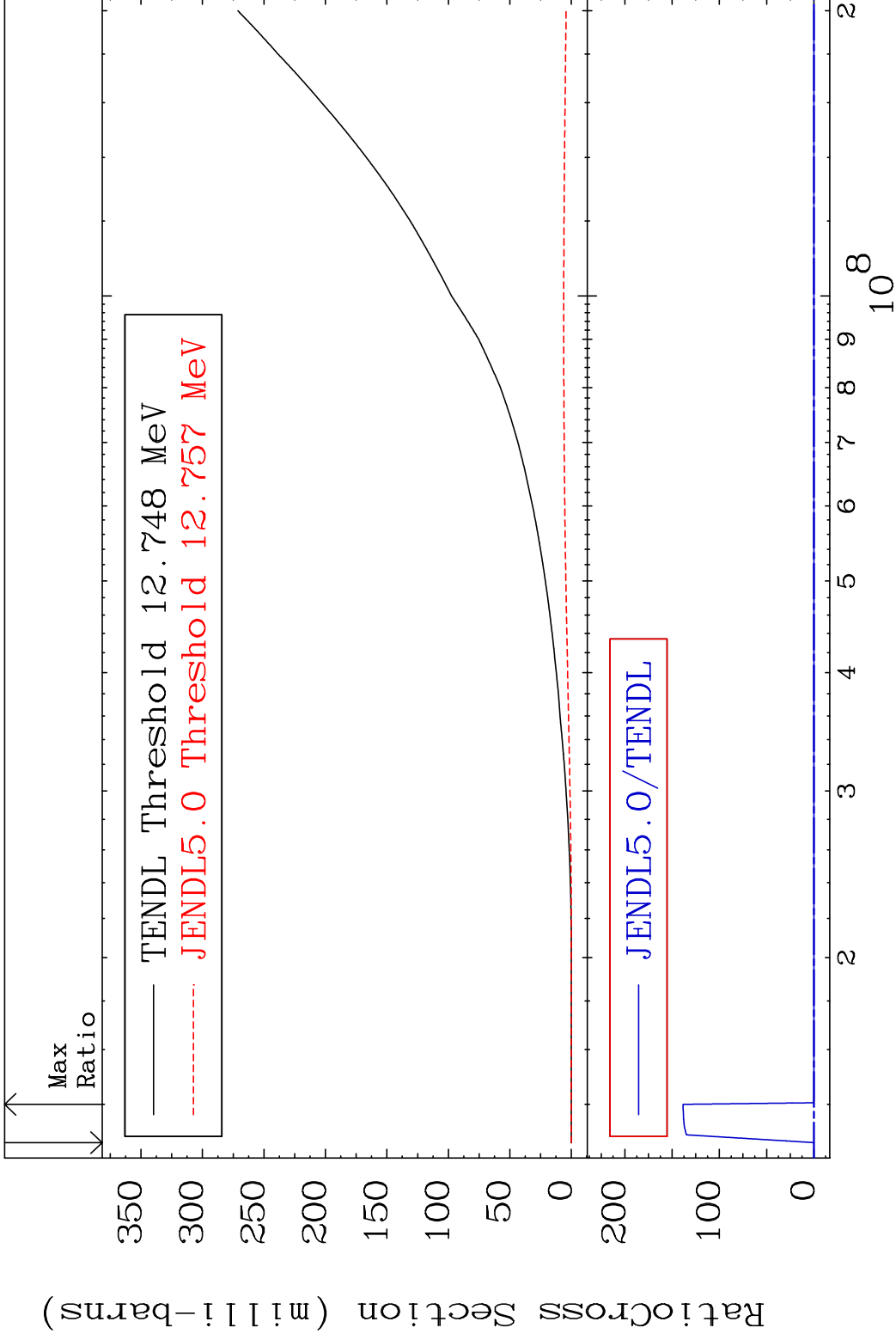


MAT 2328

He-3 Production

23-V -51

Cross Section -100.0 To 9999. %

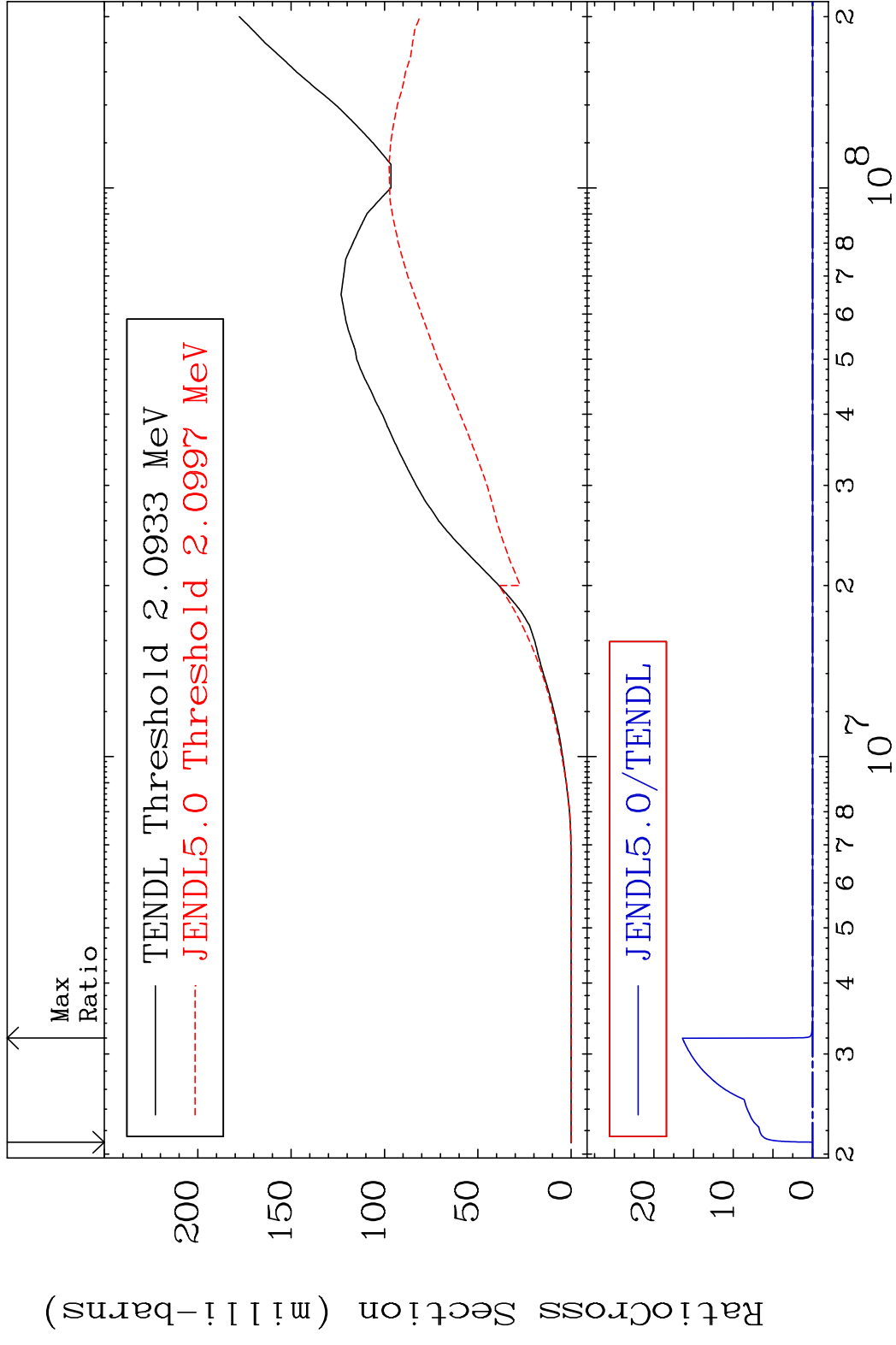


50

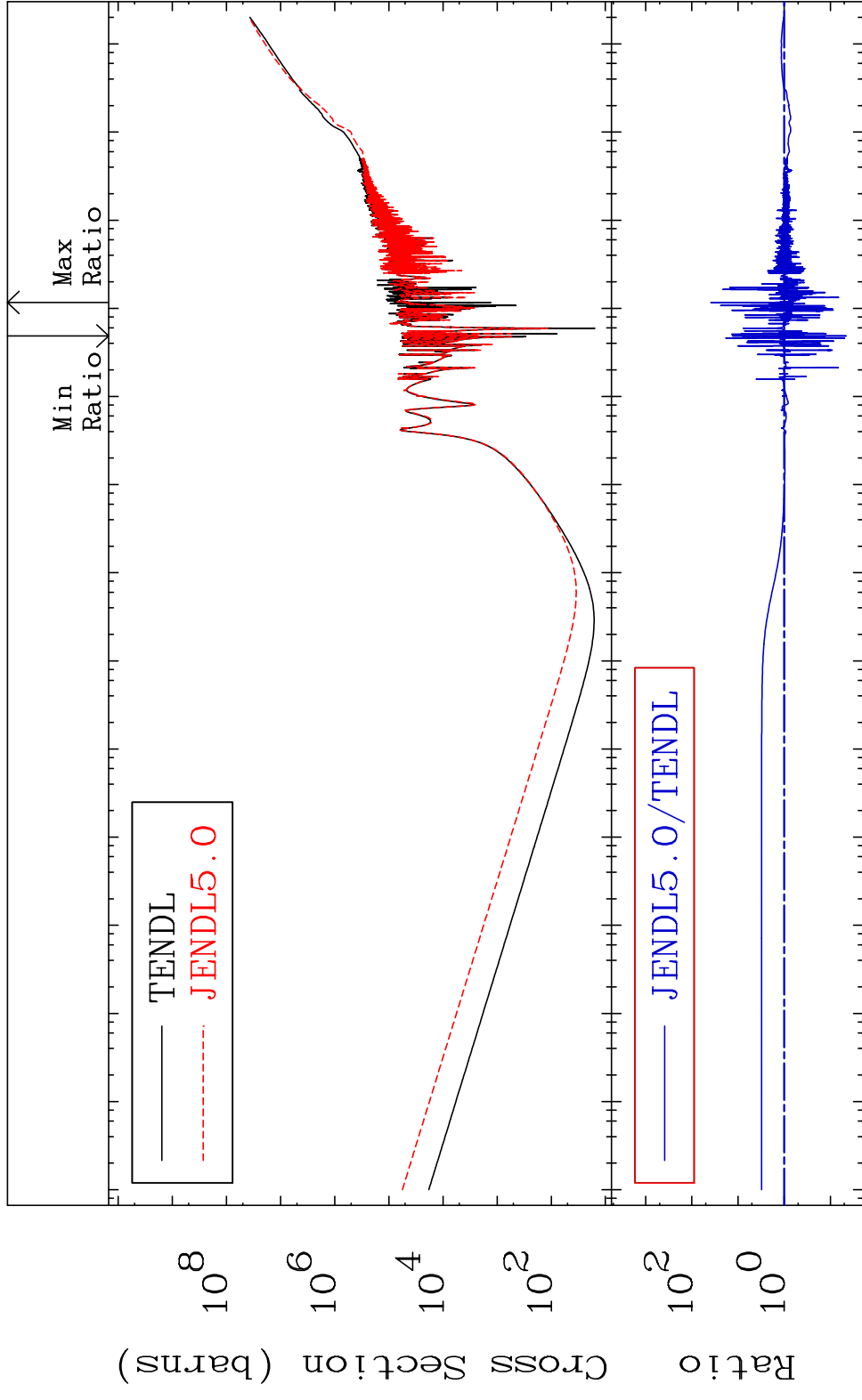
Incident Energy (eV)

23-V -51

MAT 2328 He-4 Production 23-V -51
 Cross Section -100.0 To 9999. %



MAT 2328 Kerma total (eV-barns) 23-V -51
 Cross Section -95.49 To 3801. %

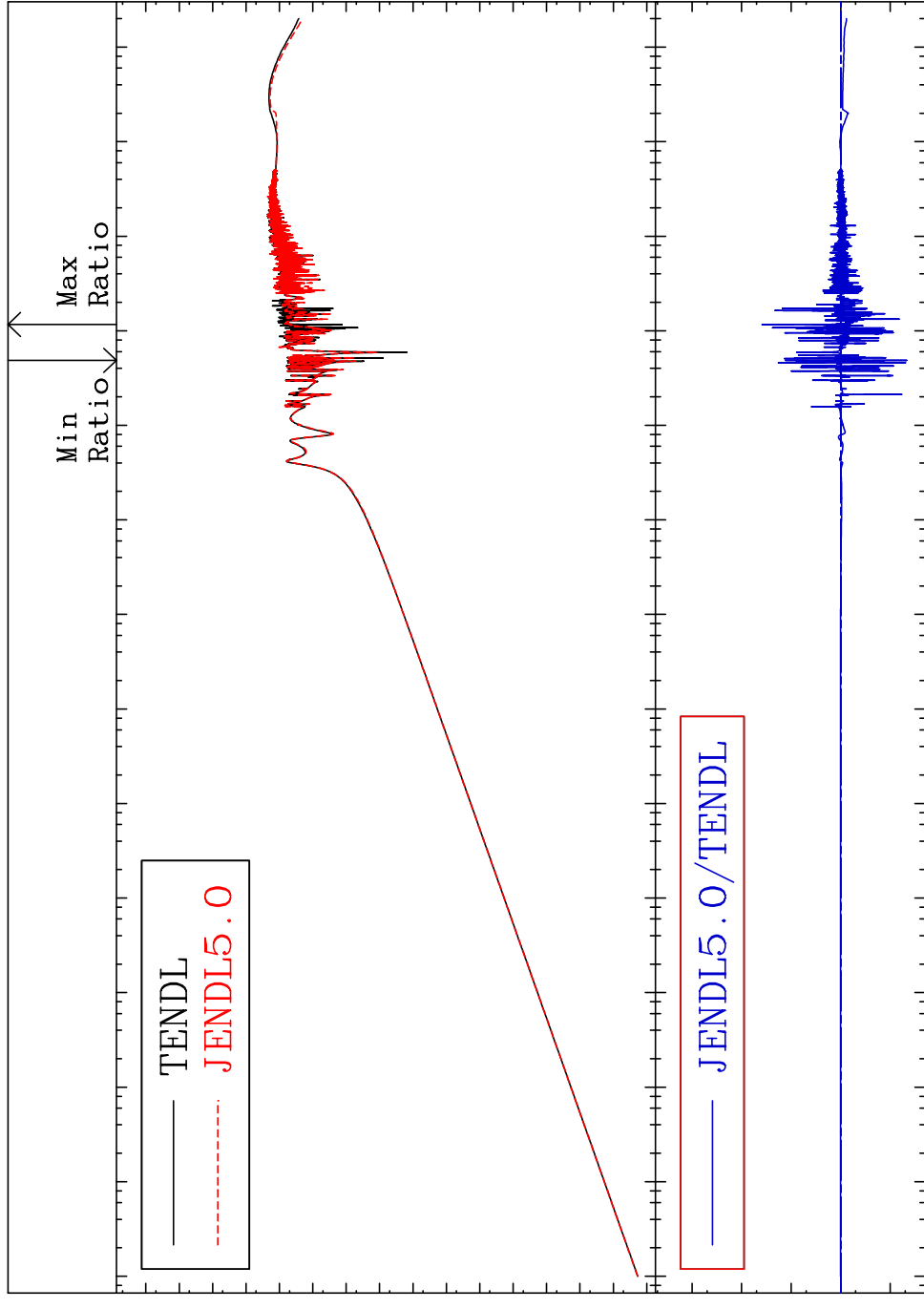


52 Incident Energy (eV) 23-V -51

MAT 2328

Kerma elastic
Cross Section -95.46 To 3809. %

23-V -51

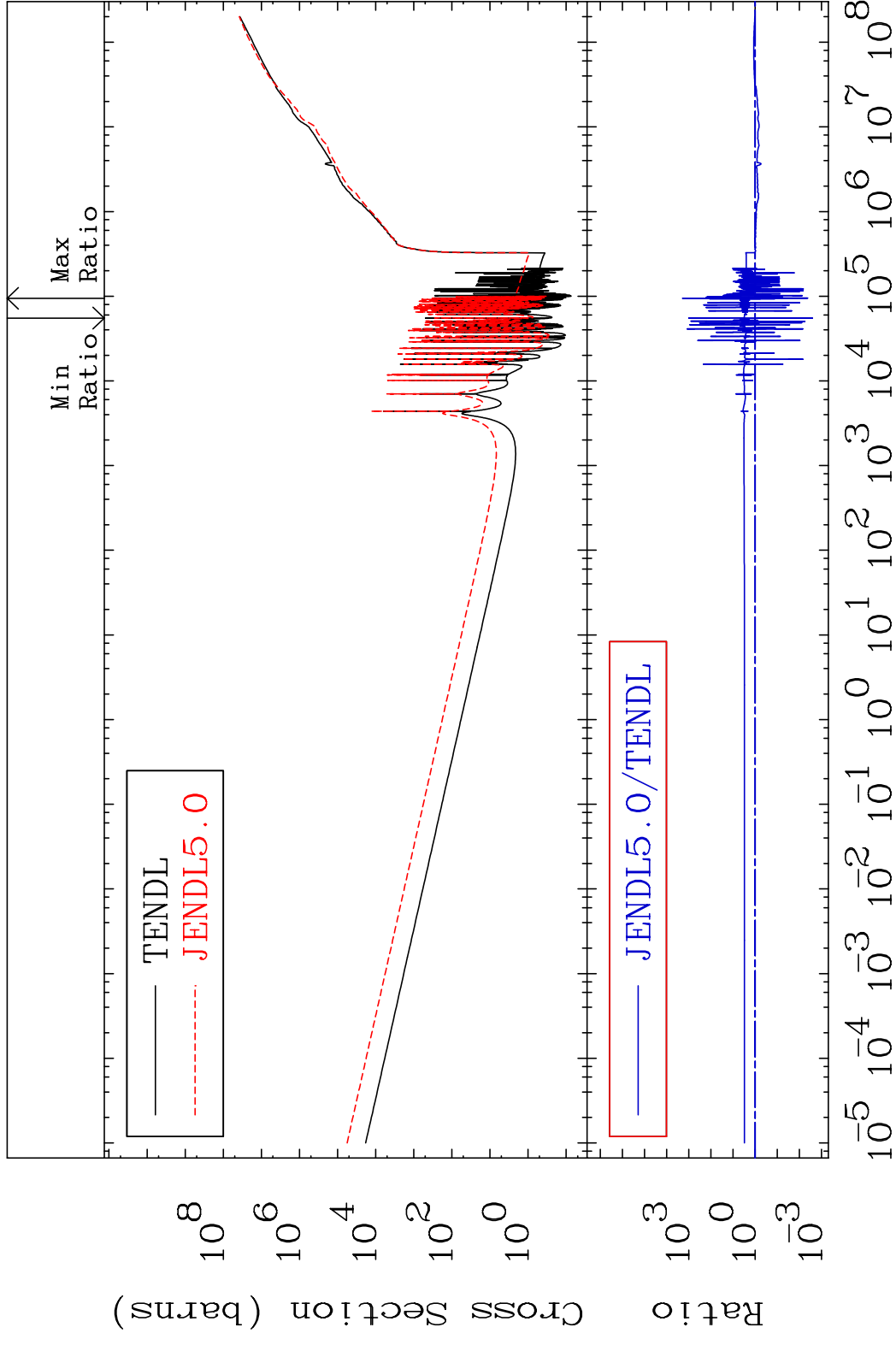


10⁸
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
Cross Section (barns)

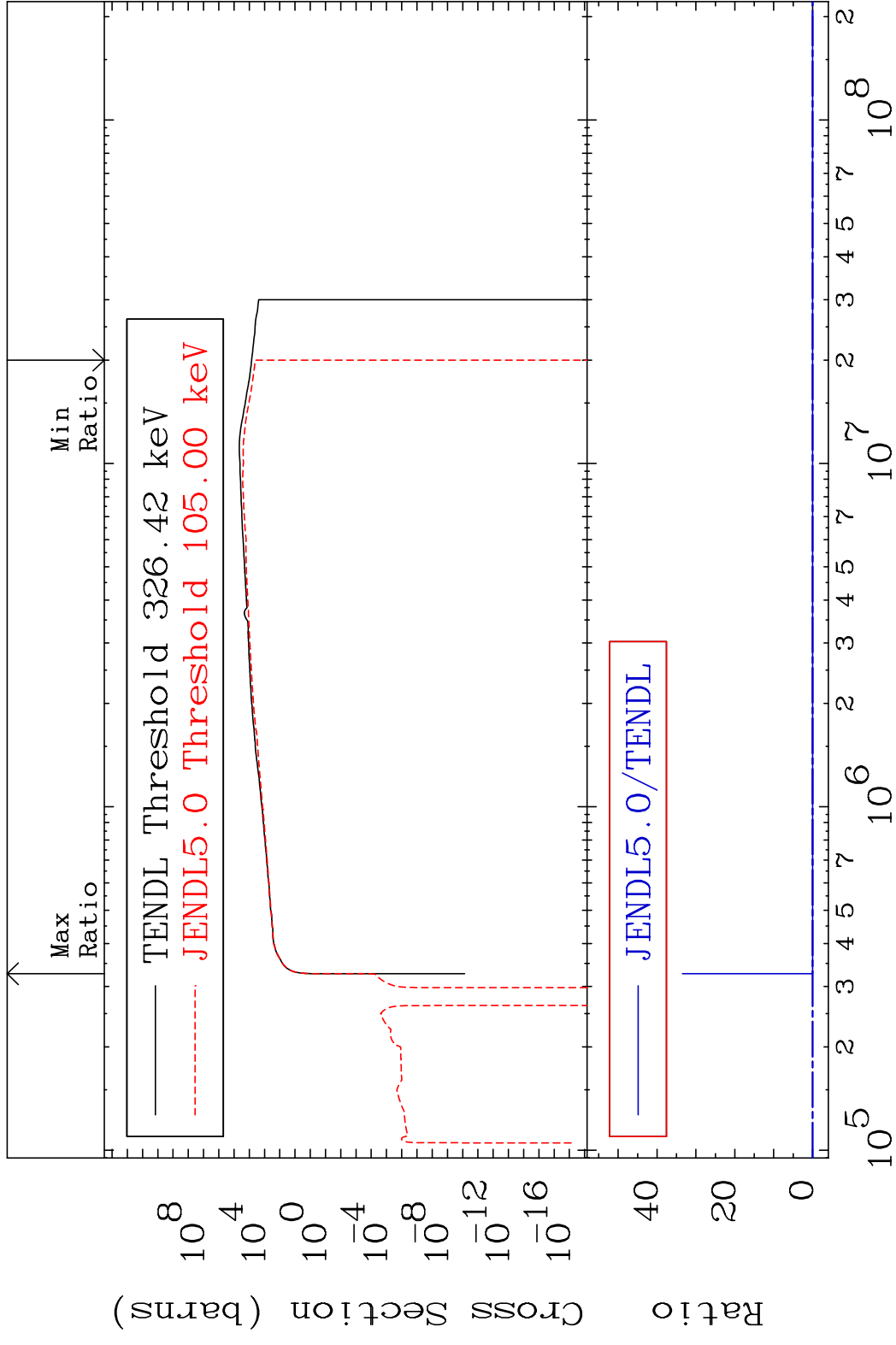
10²
10⁰
Ratio

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

MAT 2328 Kerma non-elastic (all but mt2) 23-V -51
 Cross Section -99.75 To 9999. %

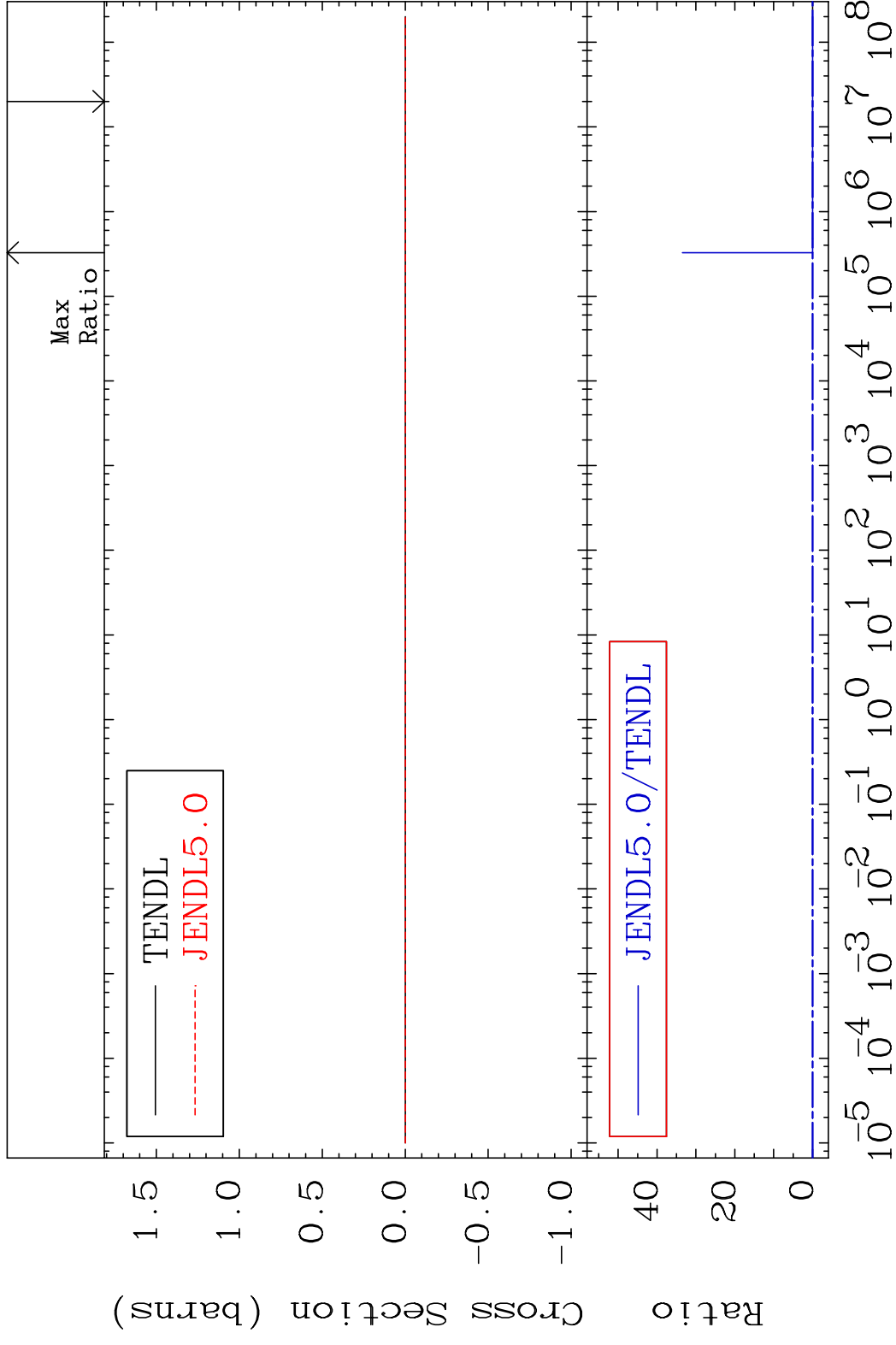


MAT 2328 Kerma inelastic (mt51-91) 23-V -51
 Cross Section -100.0 To 9999. %

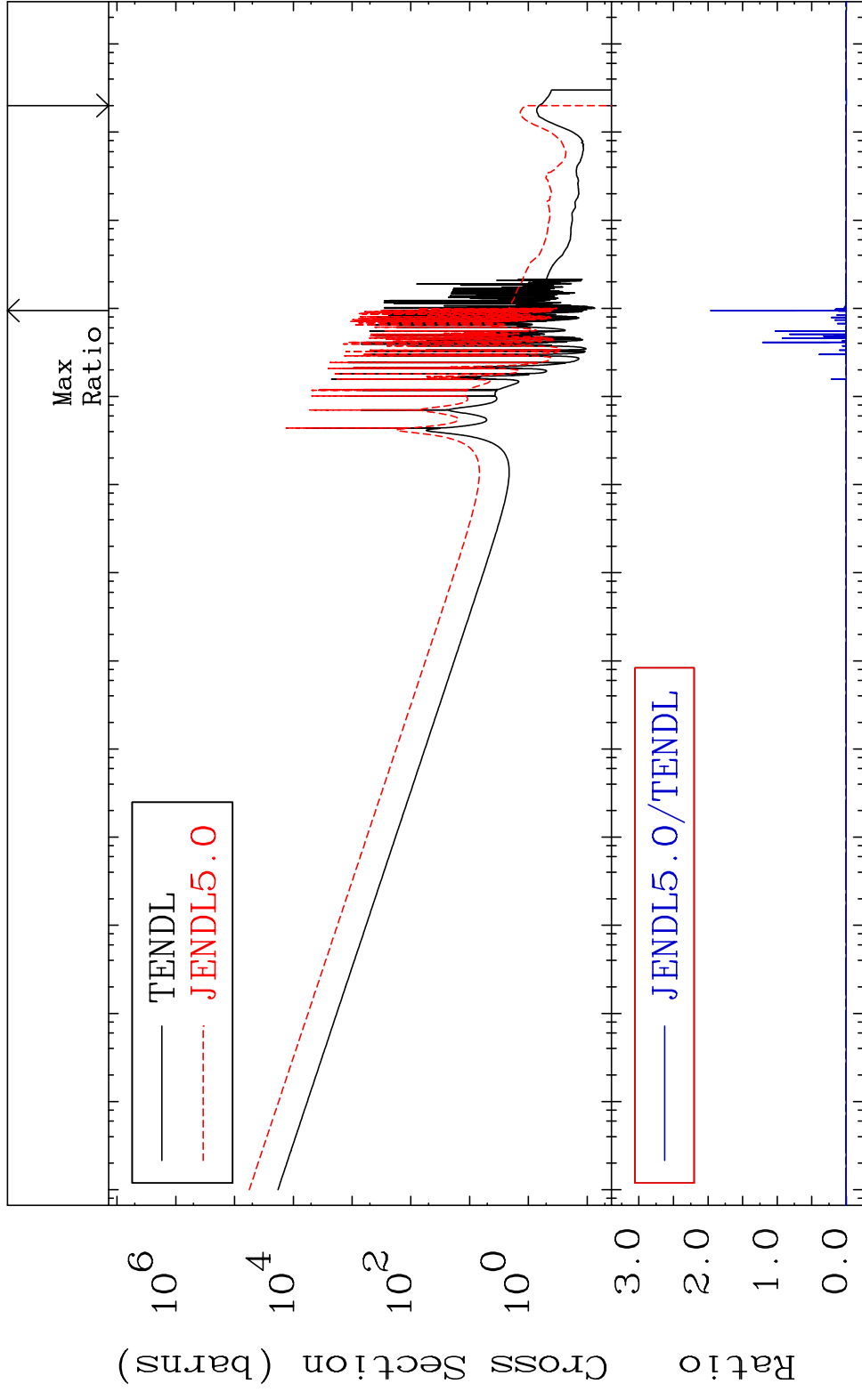


55 Incident Energy (eV) 23-V -51

MAT 2328 Kerma fission (mt18 or mt19-20-21-38) 23-V -51
 Cross Section -100.0 To 9999. %

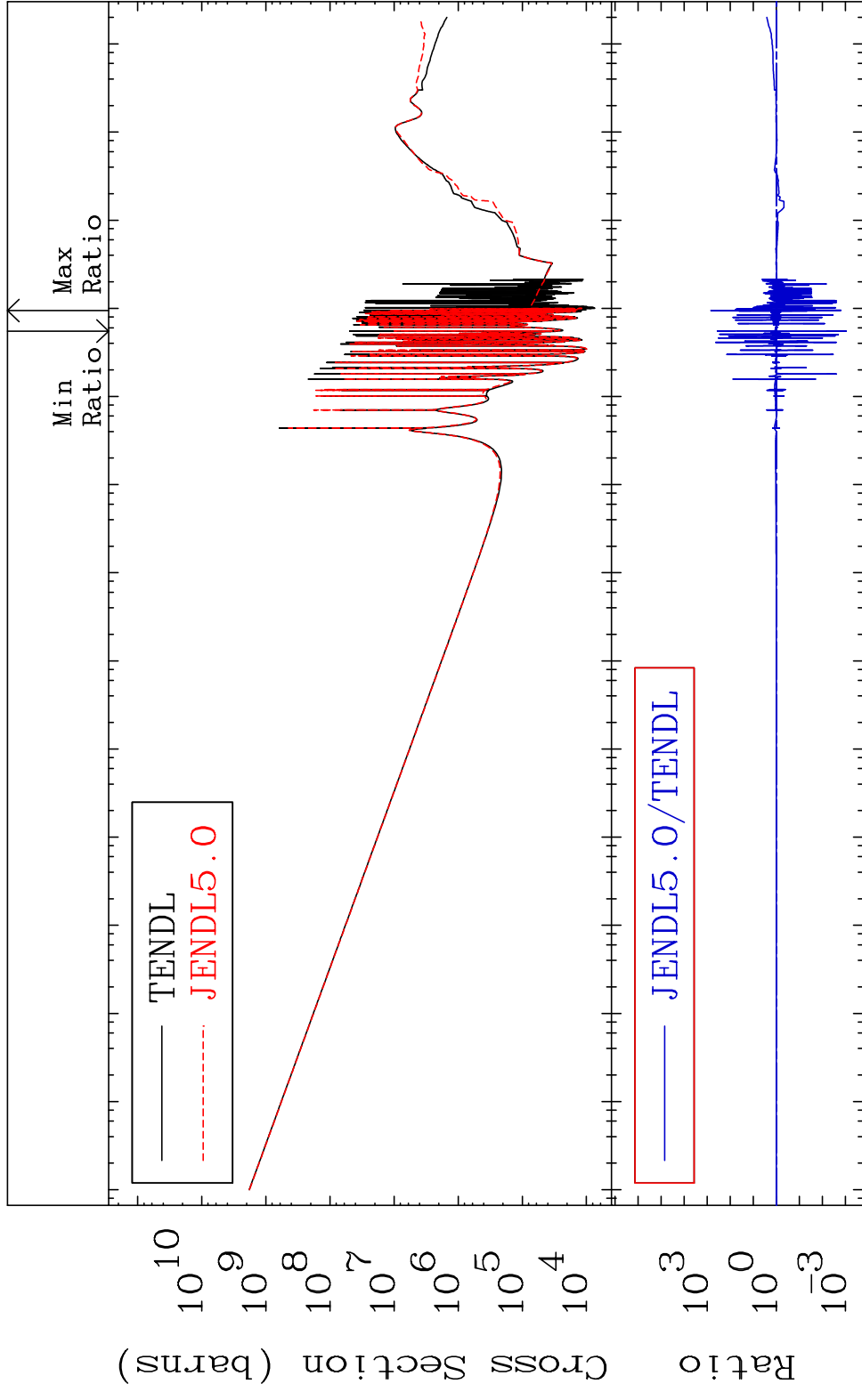


MAT 2328 Kerma capture (mt102) 23-V -51
 Cross Section -100.0 To 9999. %

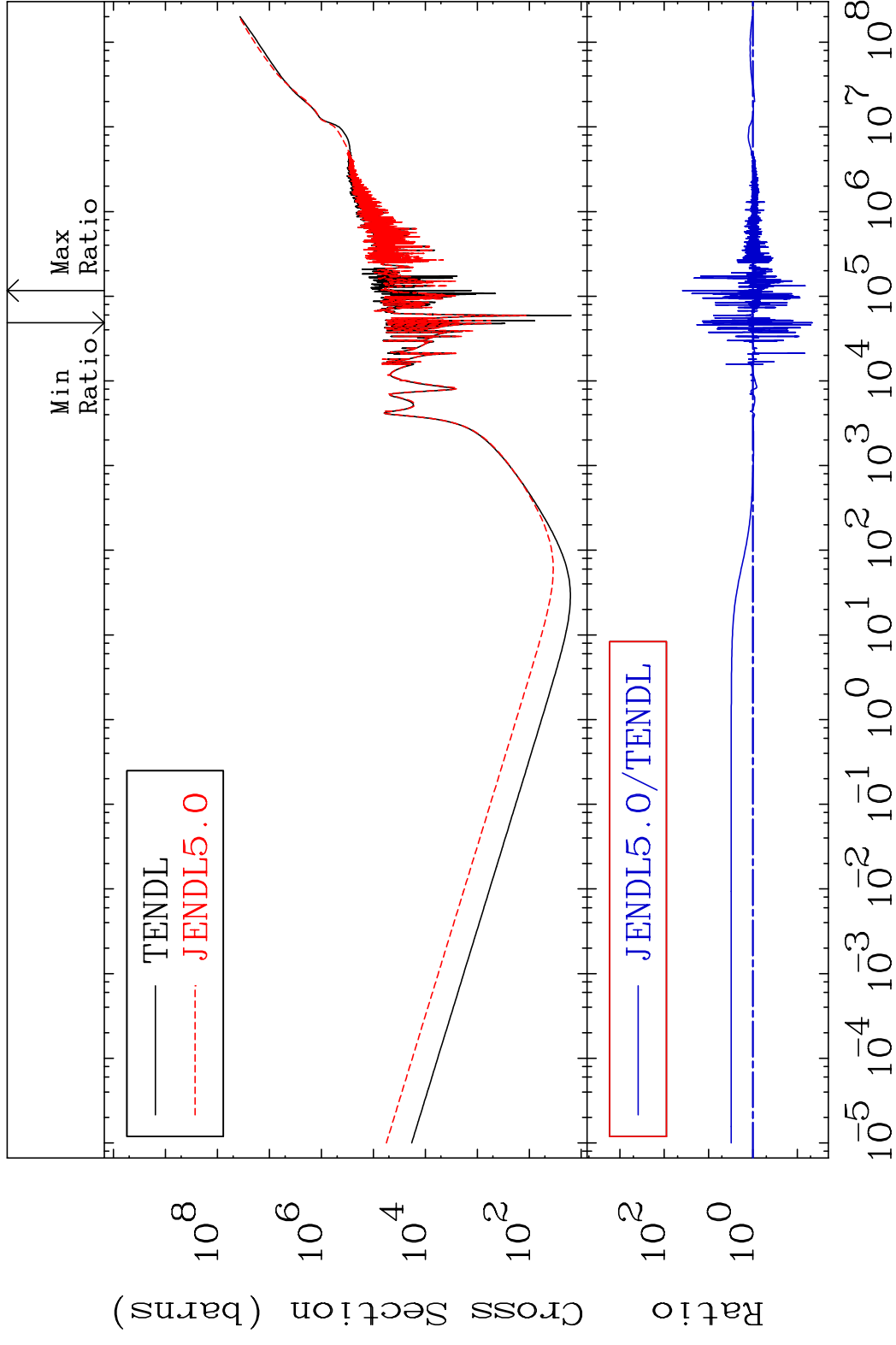


57 Incident Energy (eV) 23-V -51

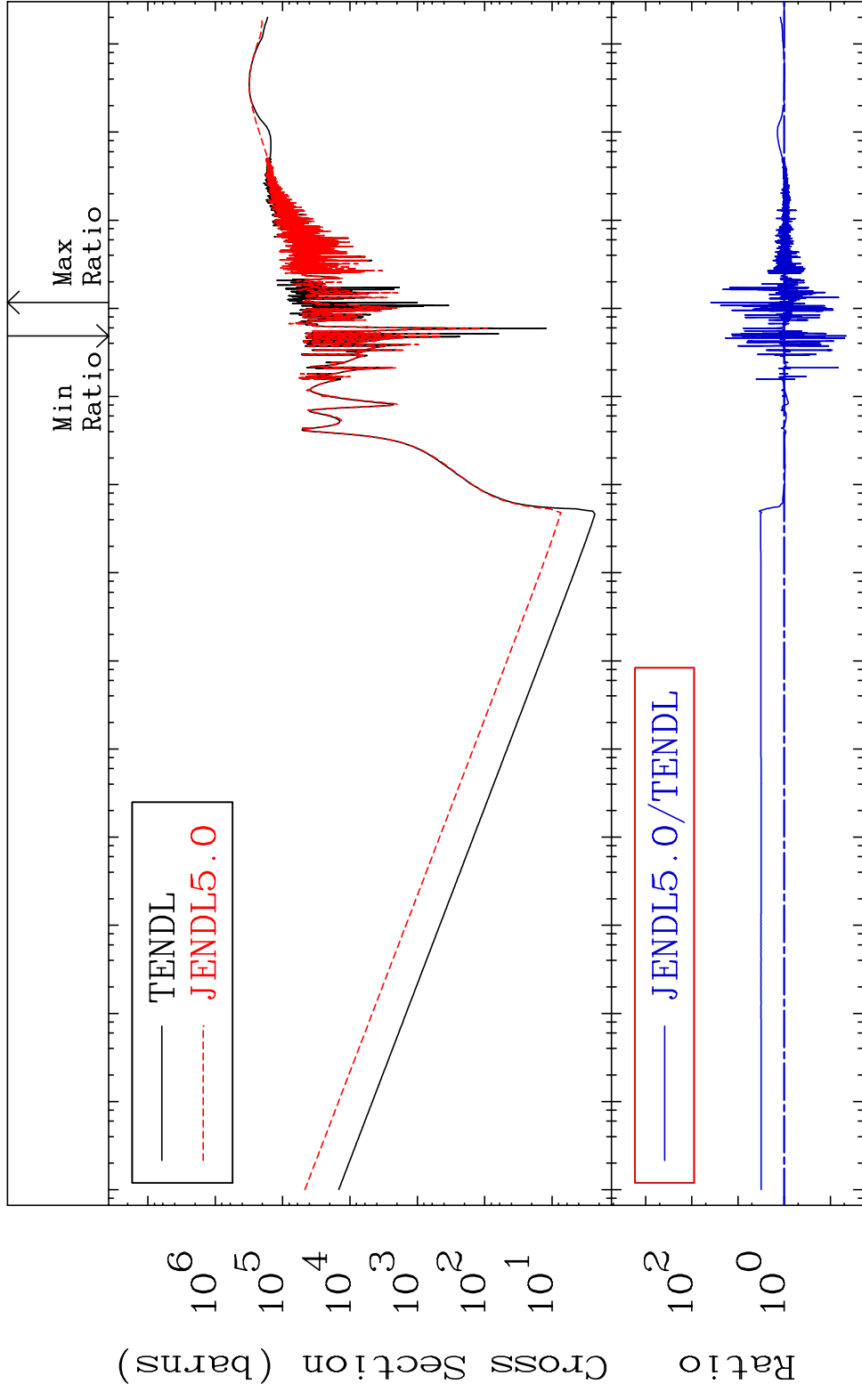
MAT 2328 Total photon (eV-barns) 23-V -51
 Cross Section -99.91 To 9999. %



MAT 2328 Total kinematic kerma (high limit) 23-V -51
 Cross Section -95.49 To 3801. %

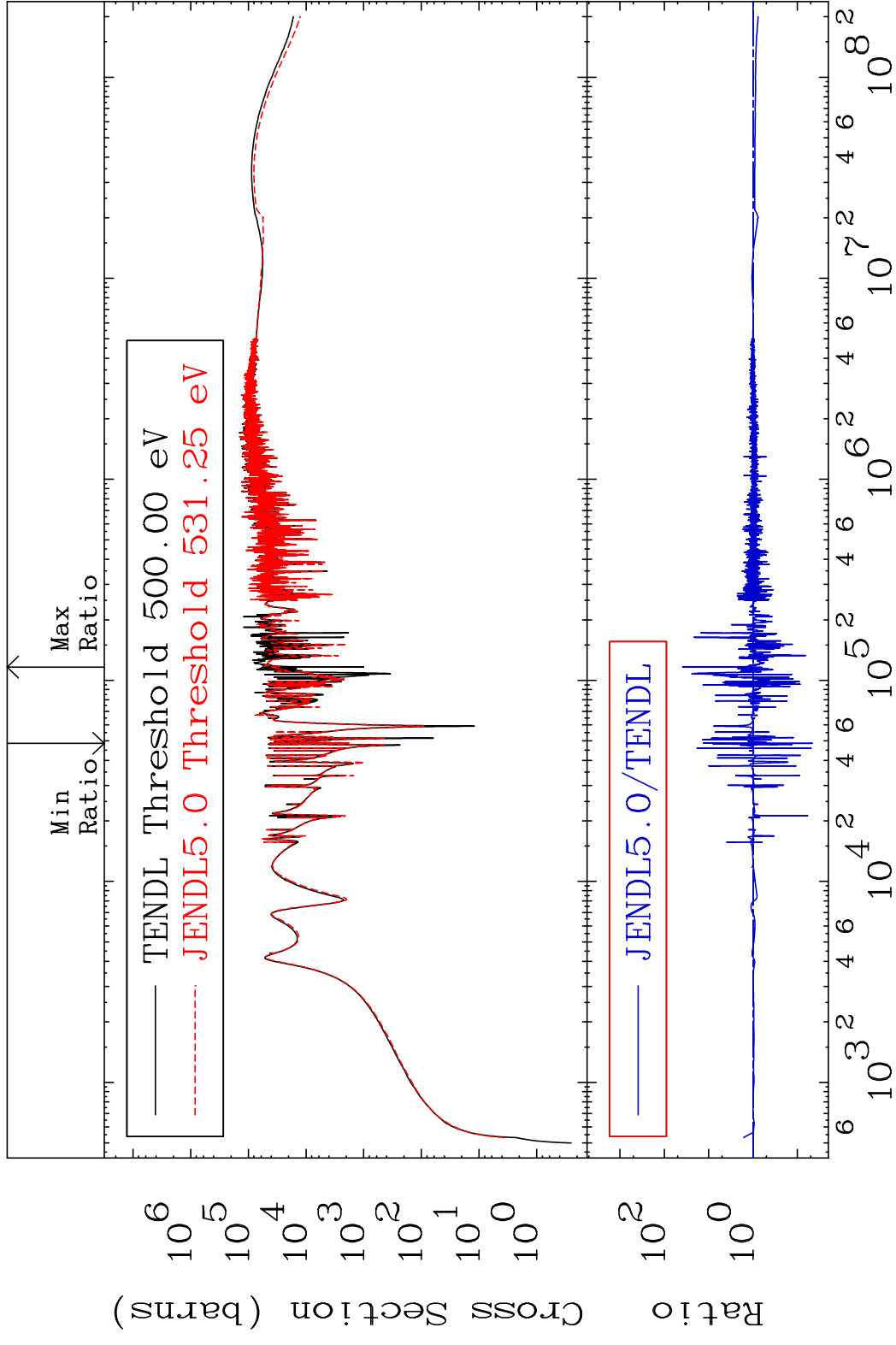


MAT 2328 Dpa total (eV-barns) 23-V -51
 Cross Section -95.49 To 3801. %

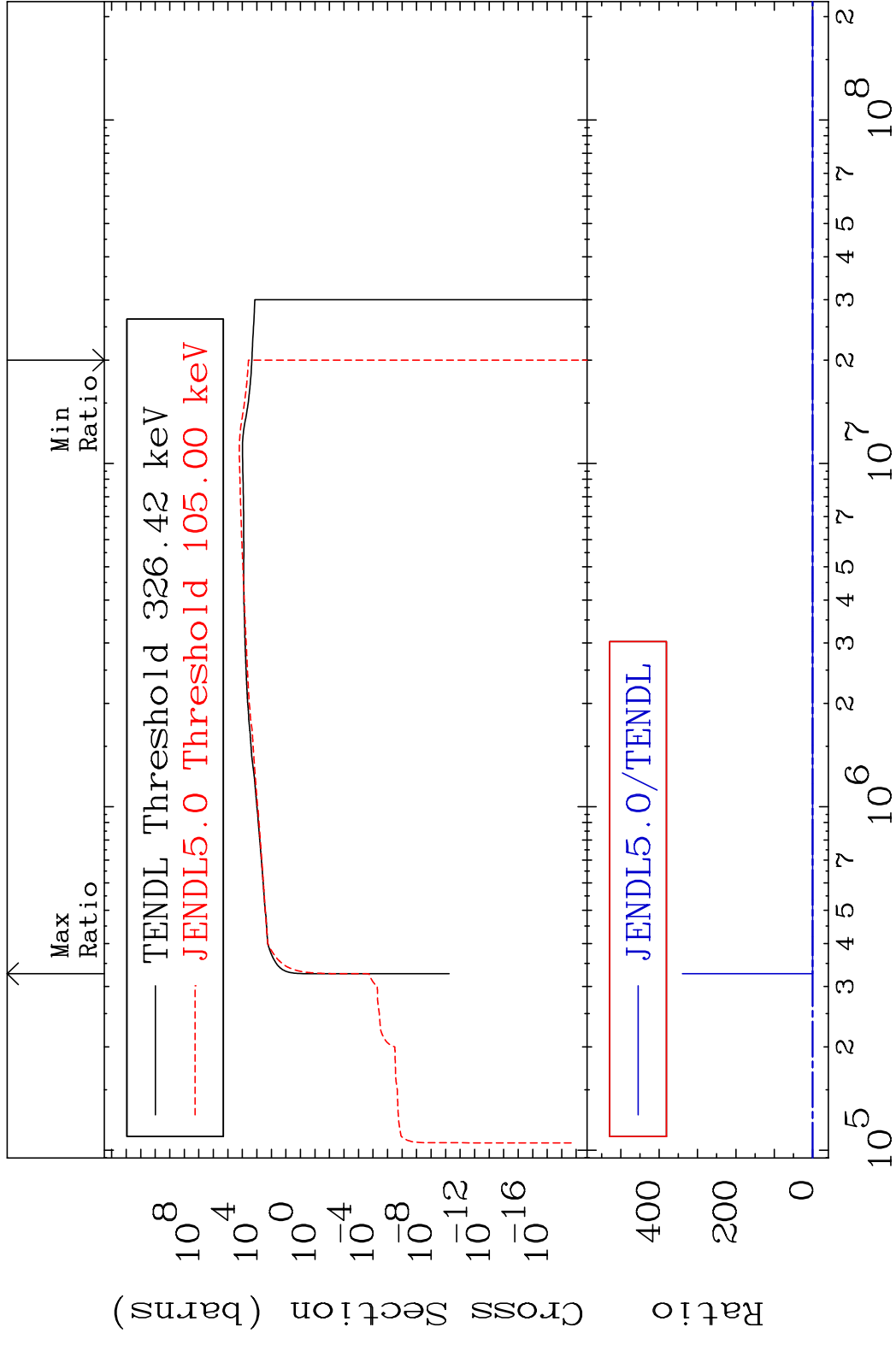


60 Incident Energy (eV) 23-V -51

MAT 2328 Dpa elastic (mt2) 23-V -51
 Cross Section -95.46 To 3809. %

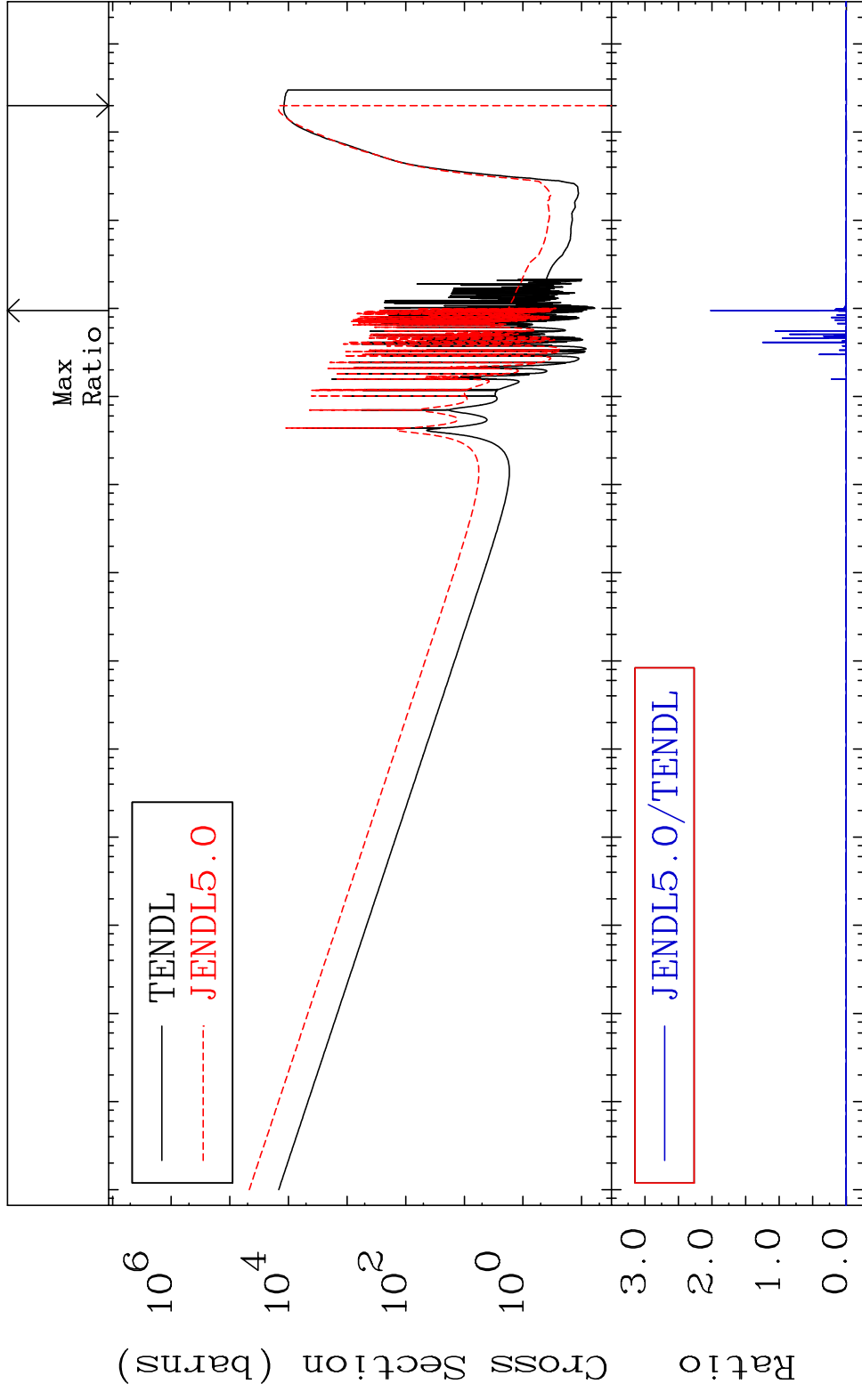


MAT 2328 Dpa inelastic (mt51-91) 23-V -51
 Cross Section -100.0 To 9999. %



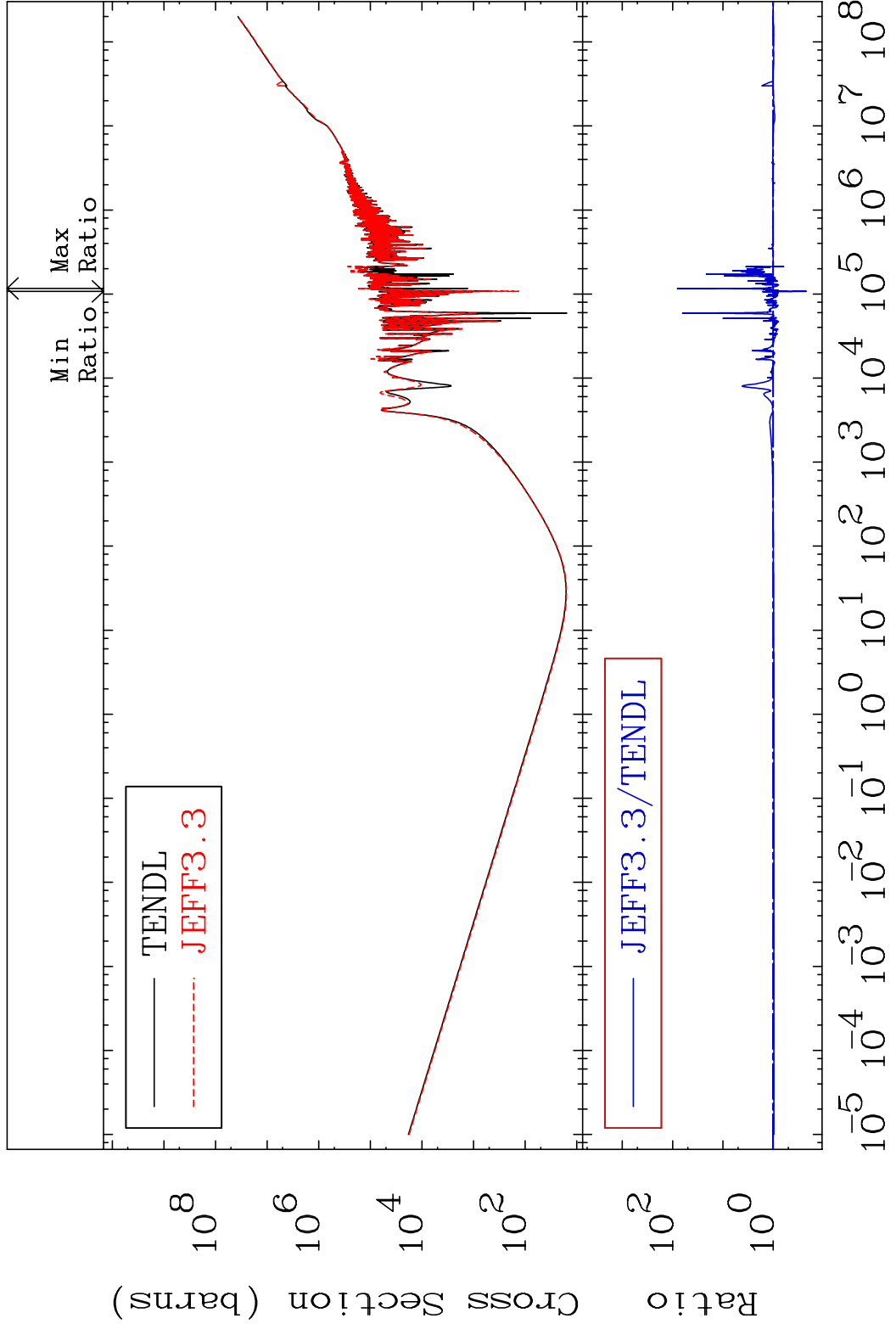
62 Incident Energy (eV) 23-V -51

MAT 2328 Dpa disappearance (mt102 -120) 23-V -51
 Cross Section -100.0 To 9999. %



MAT 2328

Kerma total (eV-barns) 23-V -51
Cross Section -78.16 To 8011. %



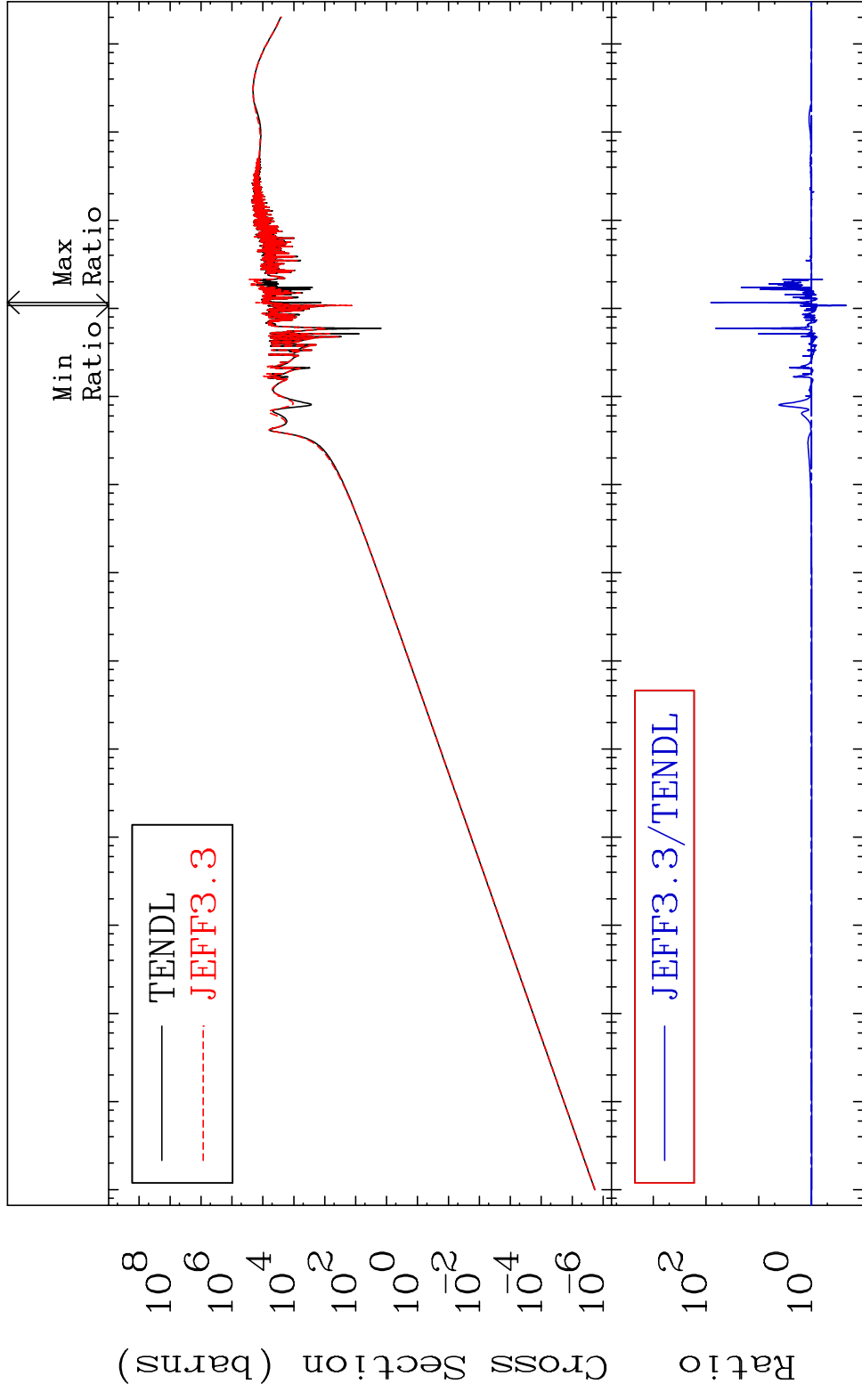
64

Incident Energy (eV) 23-V -51

MAT 2328

Kerma elastic
Cross Section

23-V -51
-78.18 To 8027. %

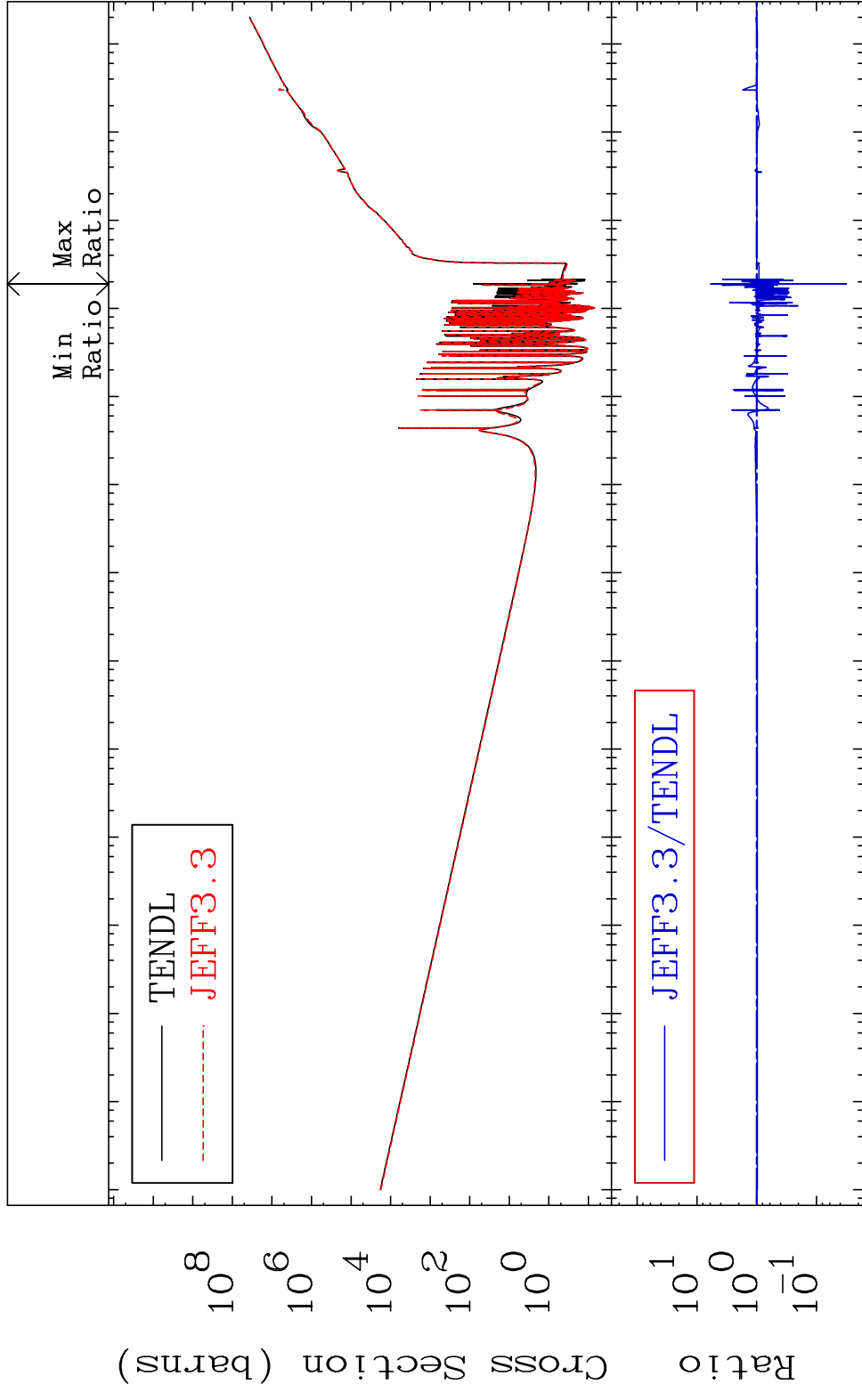


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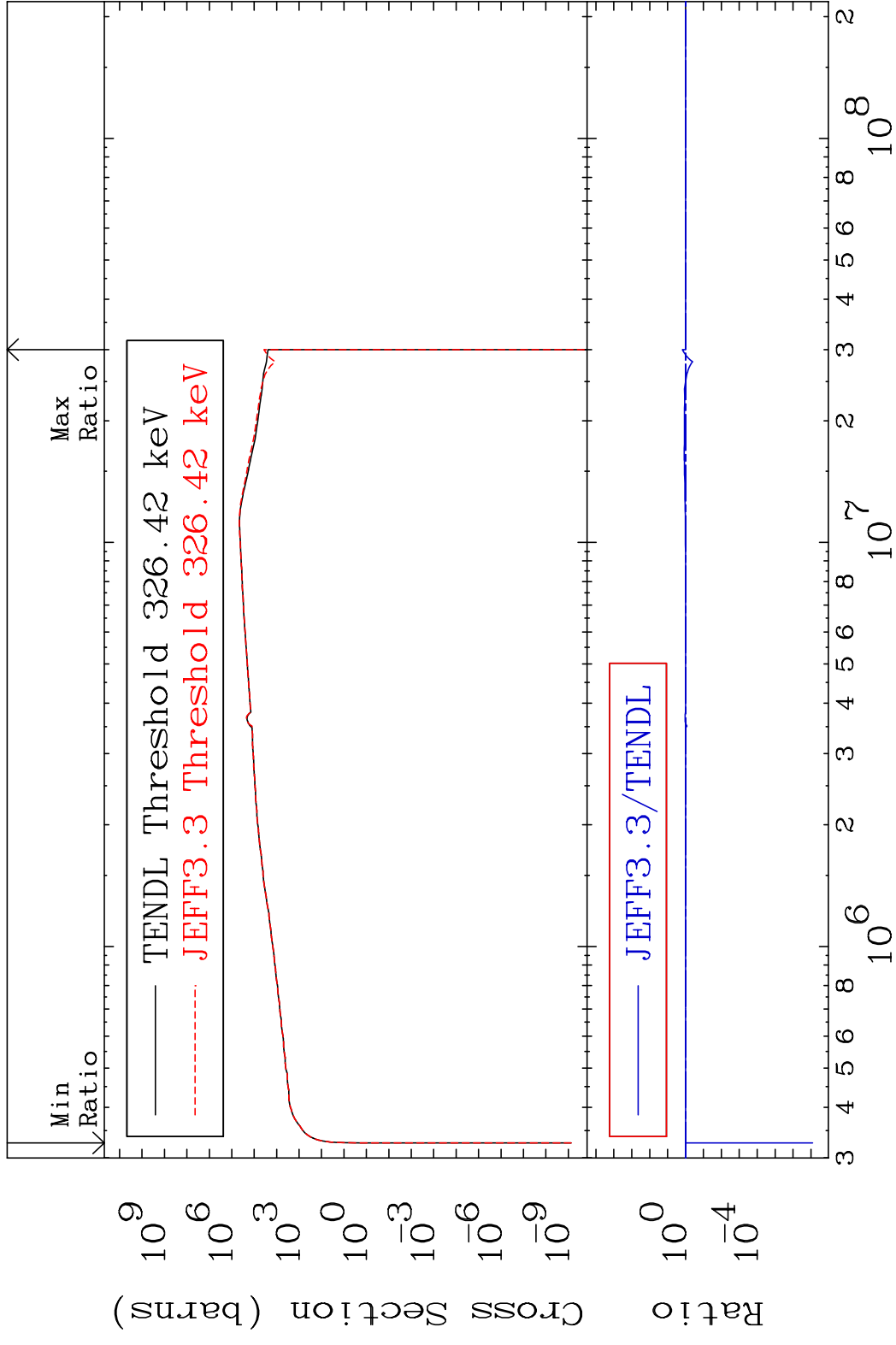
Incident Energy (eV)

23-V -51

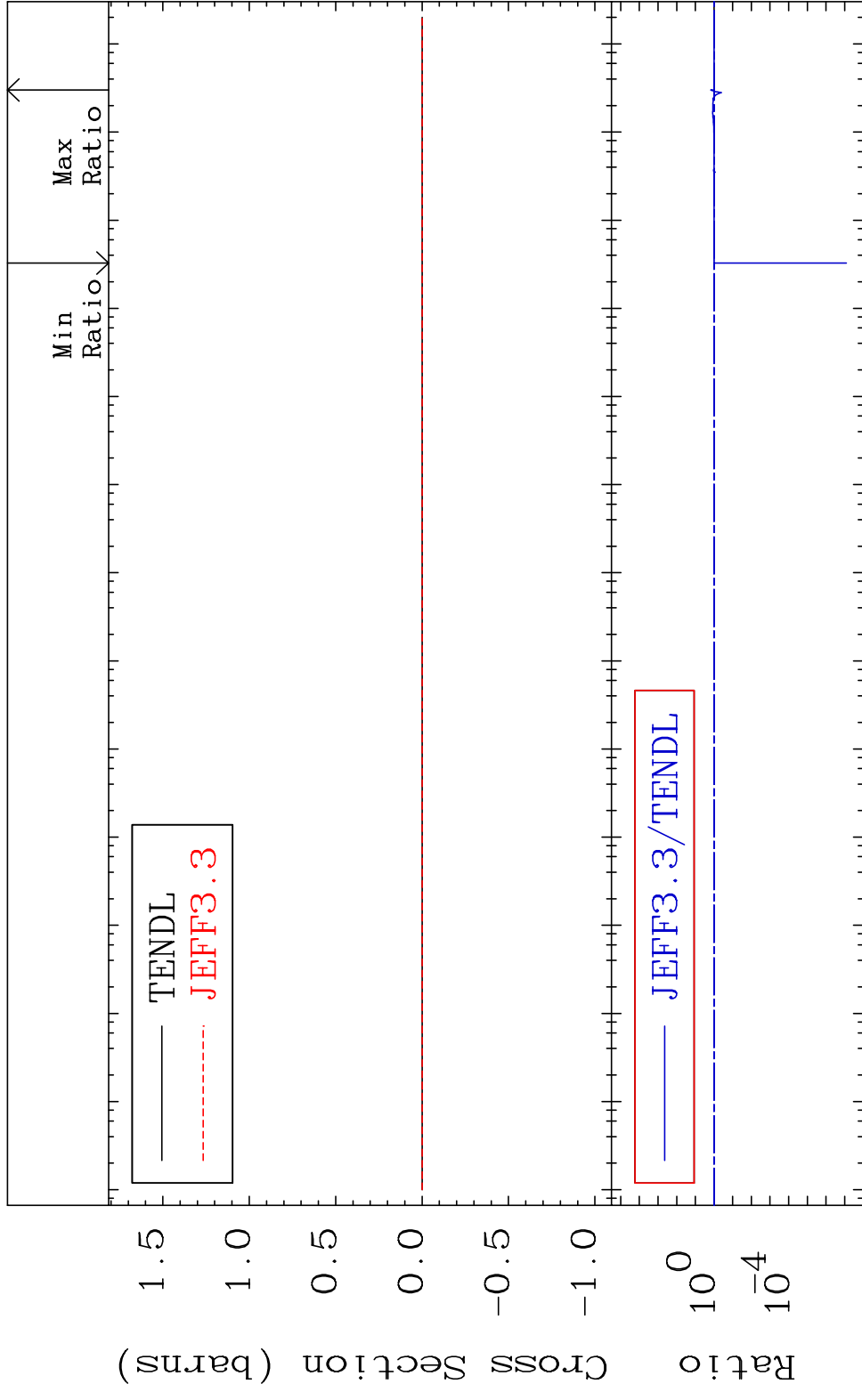
MAT 2328 Kerma non-elastic (all but mt2) 23-V -51
 Cross Section -96.83 To 487.9 %



MAT 2328 Kerma inelastic (mt51-91) 23-V -51
 Cross Section -100.0 To 49.92 %

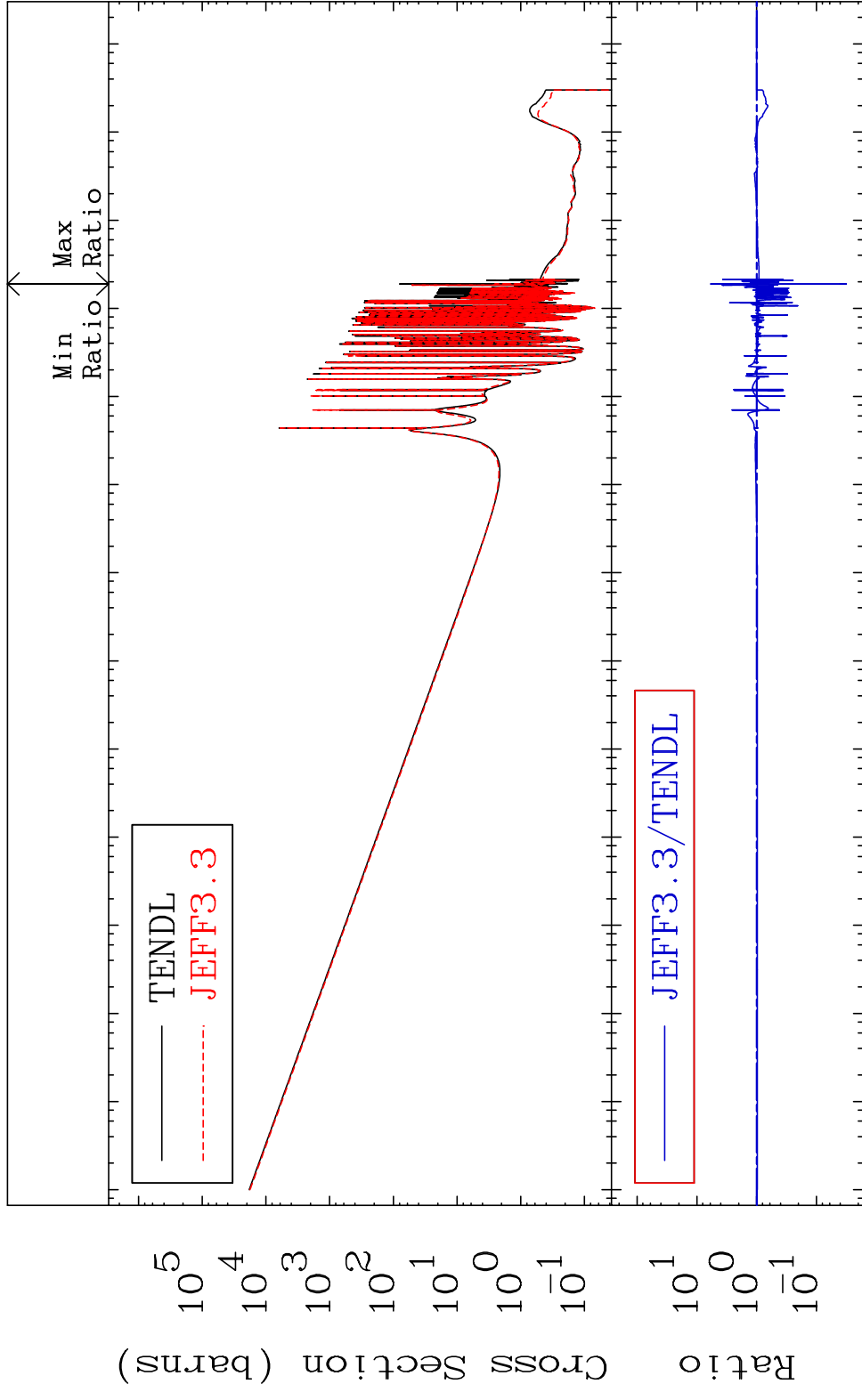


MAT 2328 Kerma fission (mt18 or mt19-20-21-38) 23-V -51
 Cross Section -100.0 To 49.92 %



MAT 2328

Kerma capture (mt102) 23-V -51
Cross Section -96.83 To 487.9 %

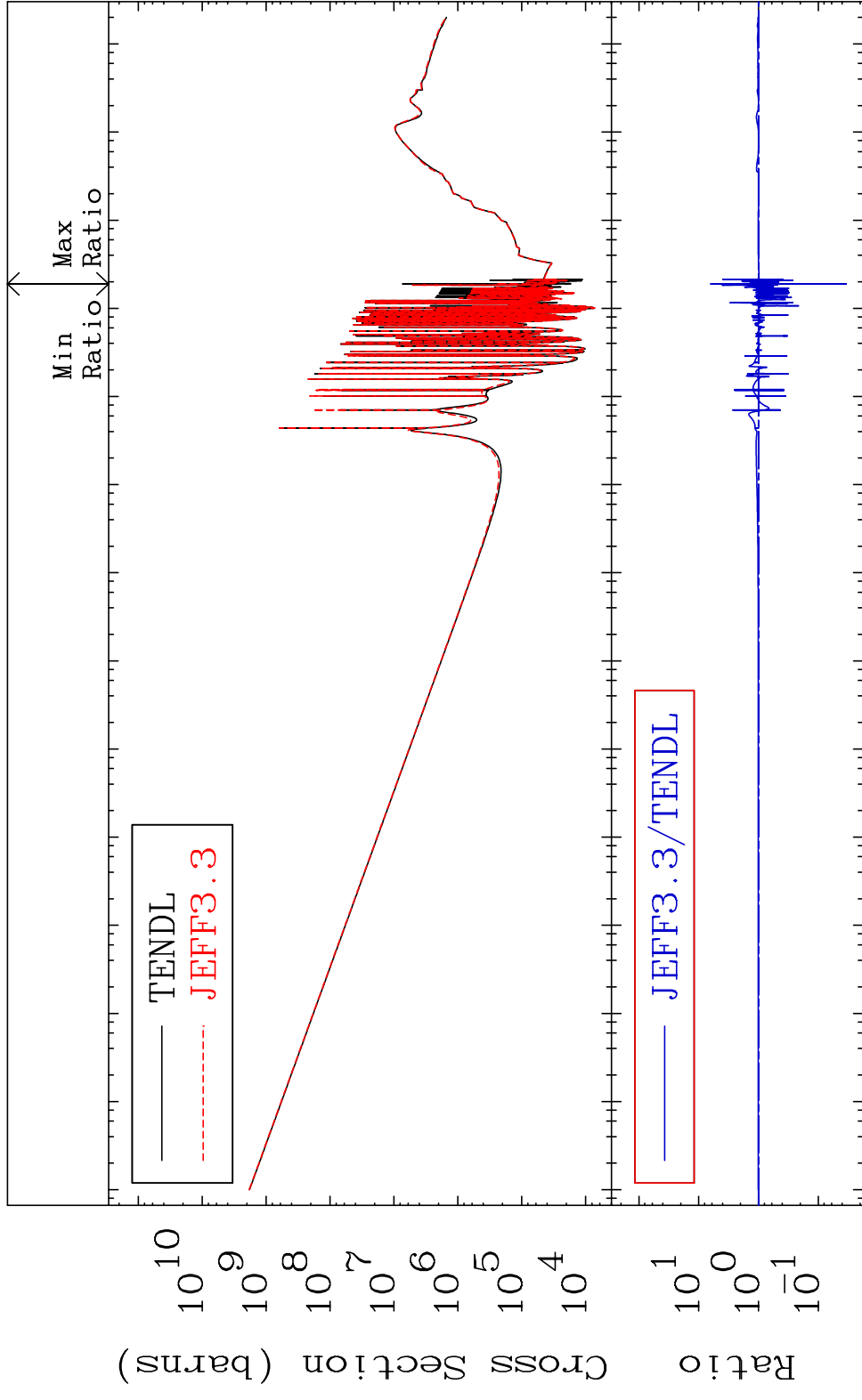


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Incident Energy (eV)

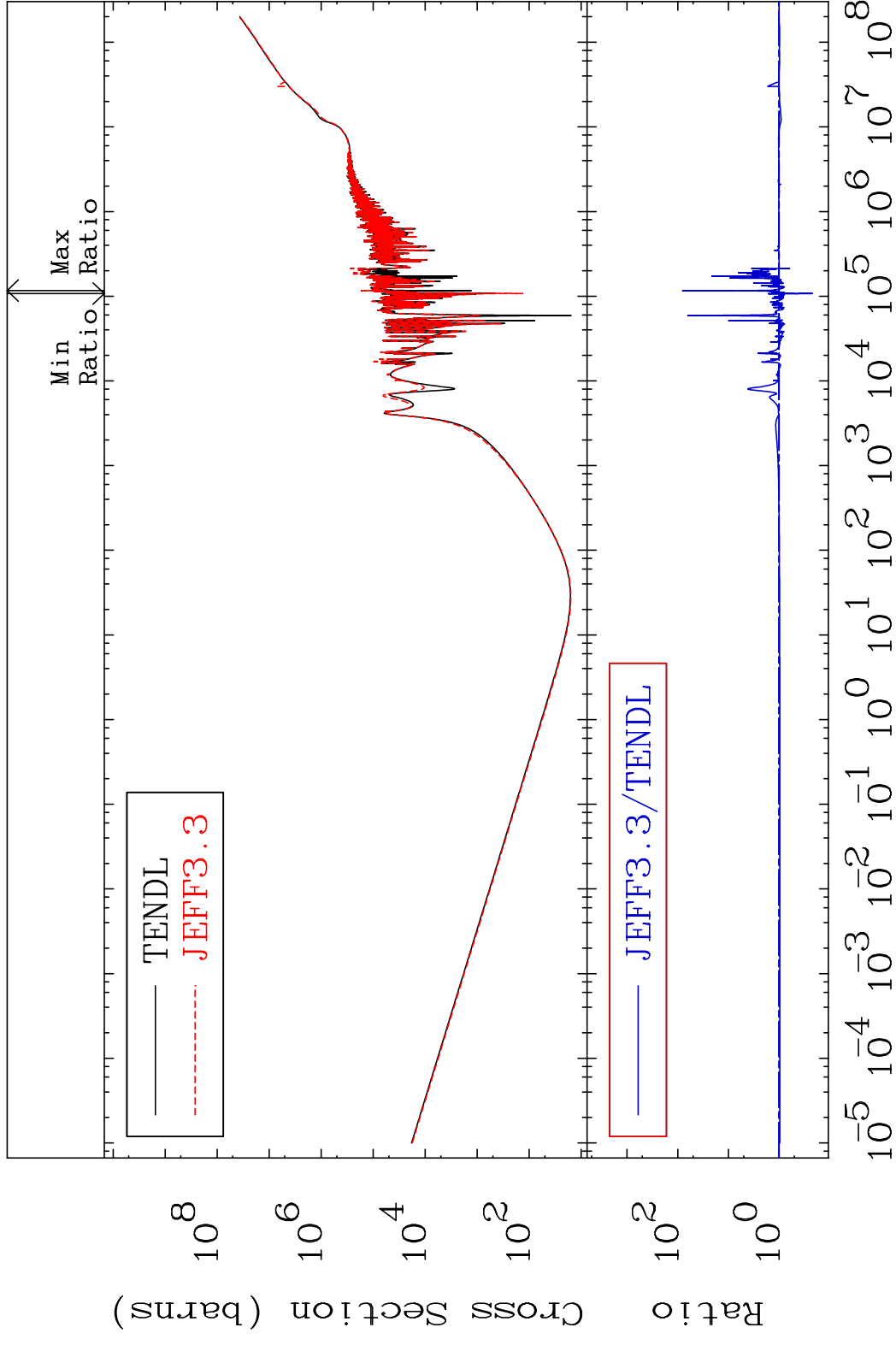
23-V -51

MAT 2328 Total photon (eV-barns) 23-V -51
 Cross Section -96.60 To 530.6 %



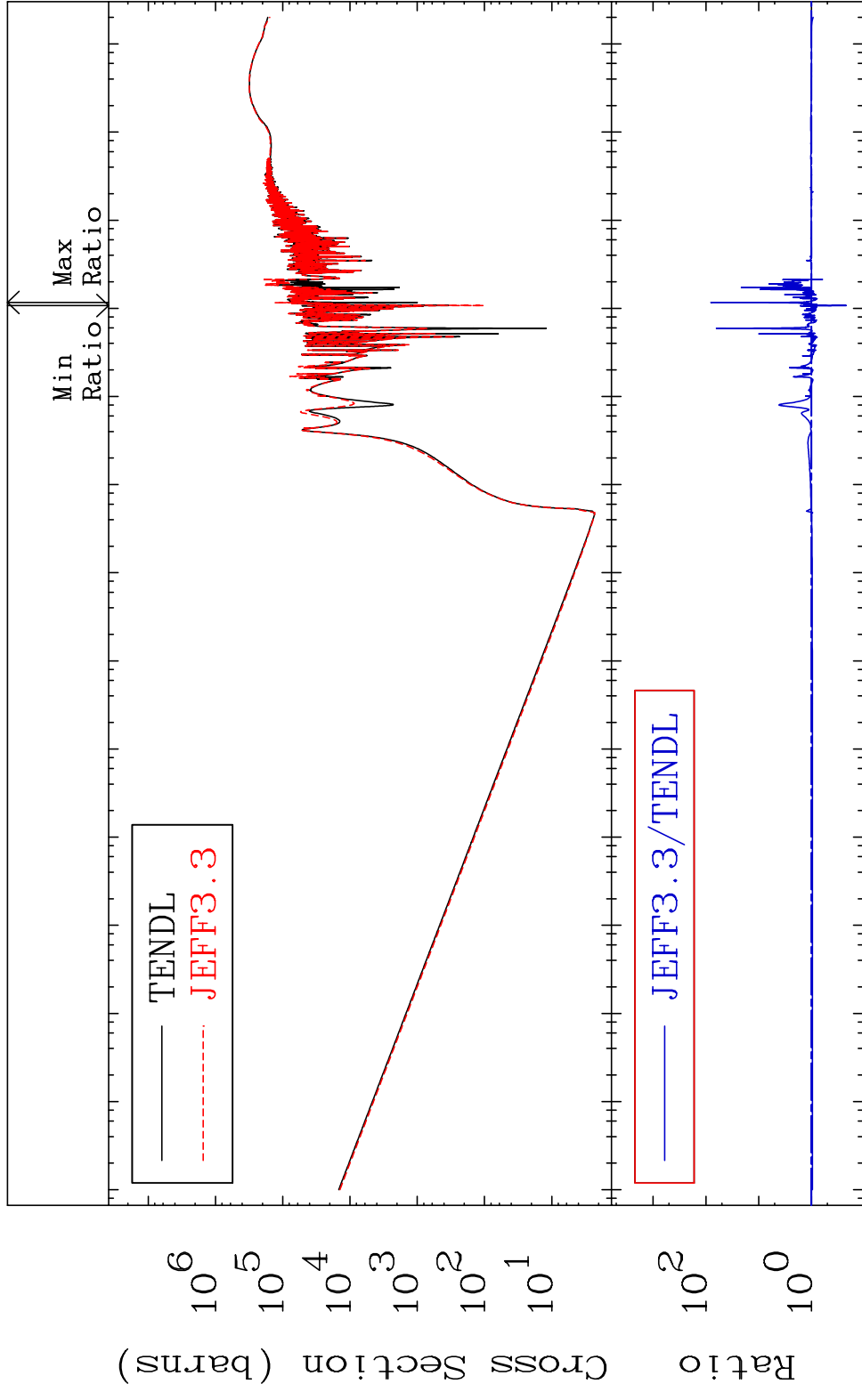
70 Incident Energy (eV) 23-V -51

MAT 2328 Total kinematic kerma (high limit) 23-V -51
 Cross Section -78.16 To 8011. %



MAT 2328

Dpa total (eV-barns) 23-V -51
Cross Section -78.16 To 8010. %



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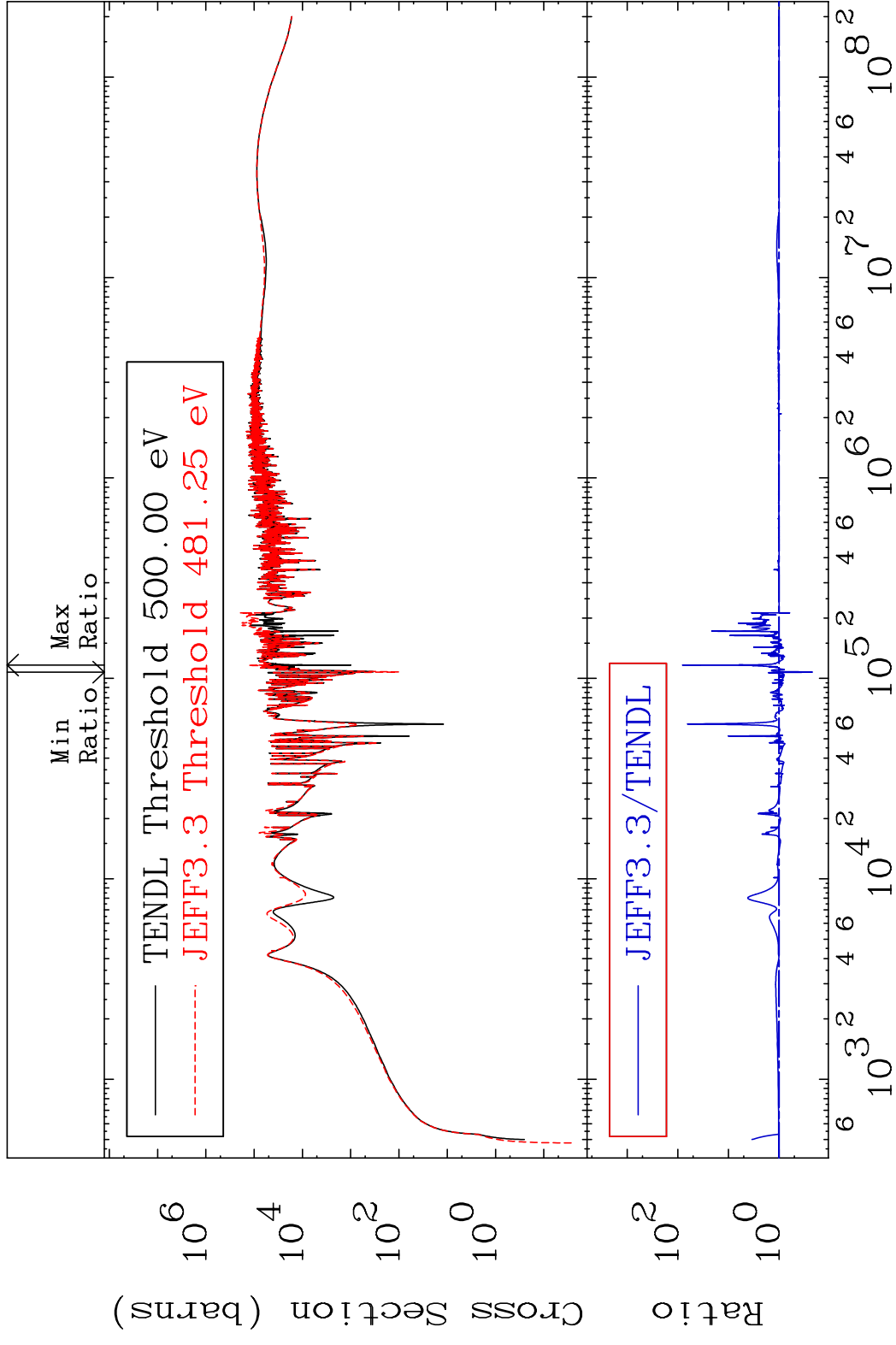
Incident Energy (eV) 23-V -51

MAT 2328

Dpa elastic (mt2)

23-V -51

Cross Section -78.18 To 8027. %

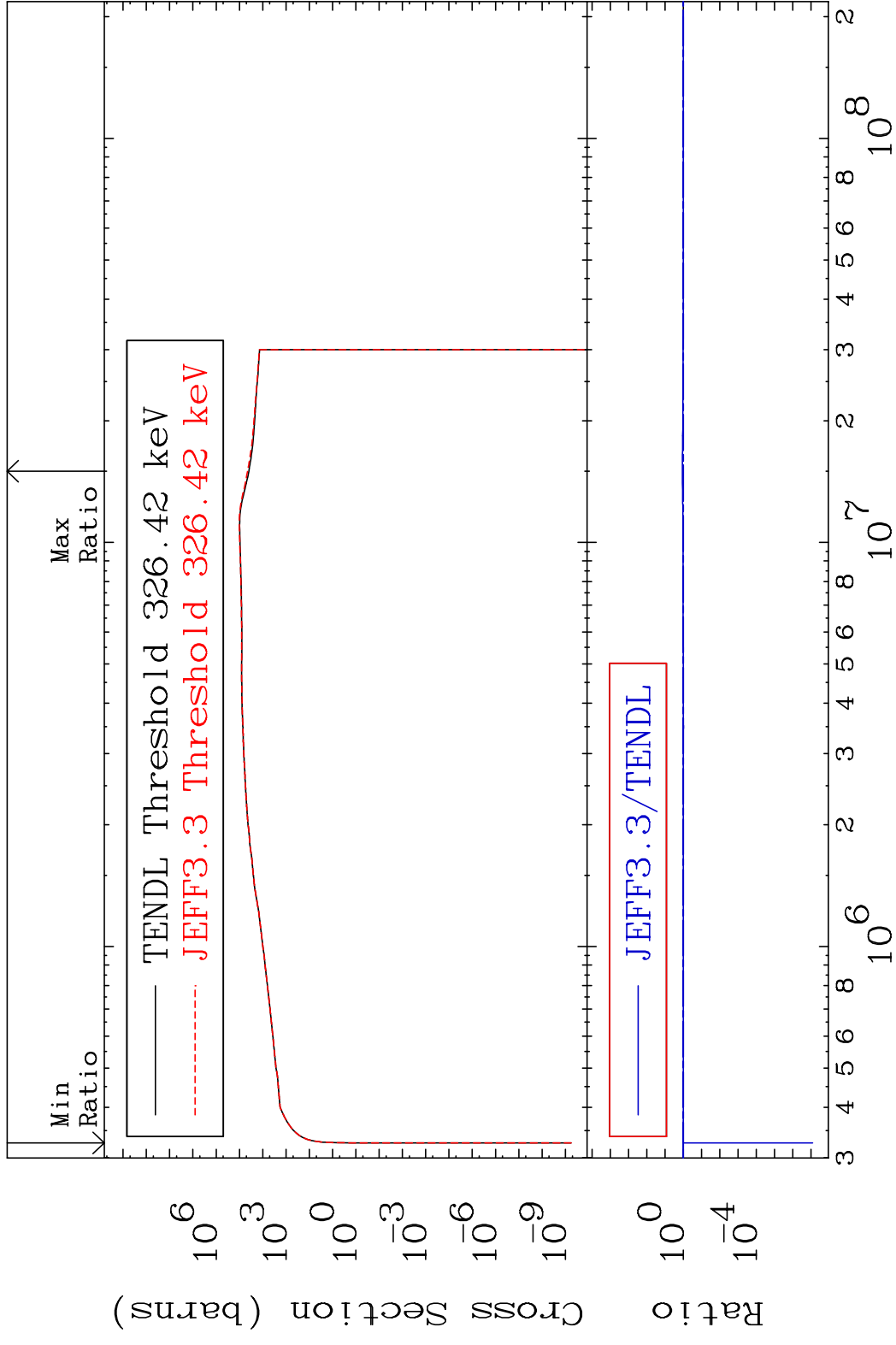


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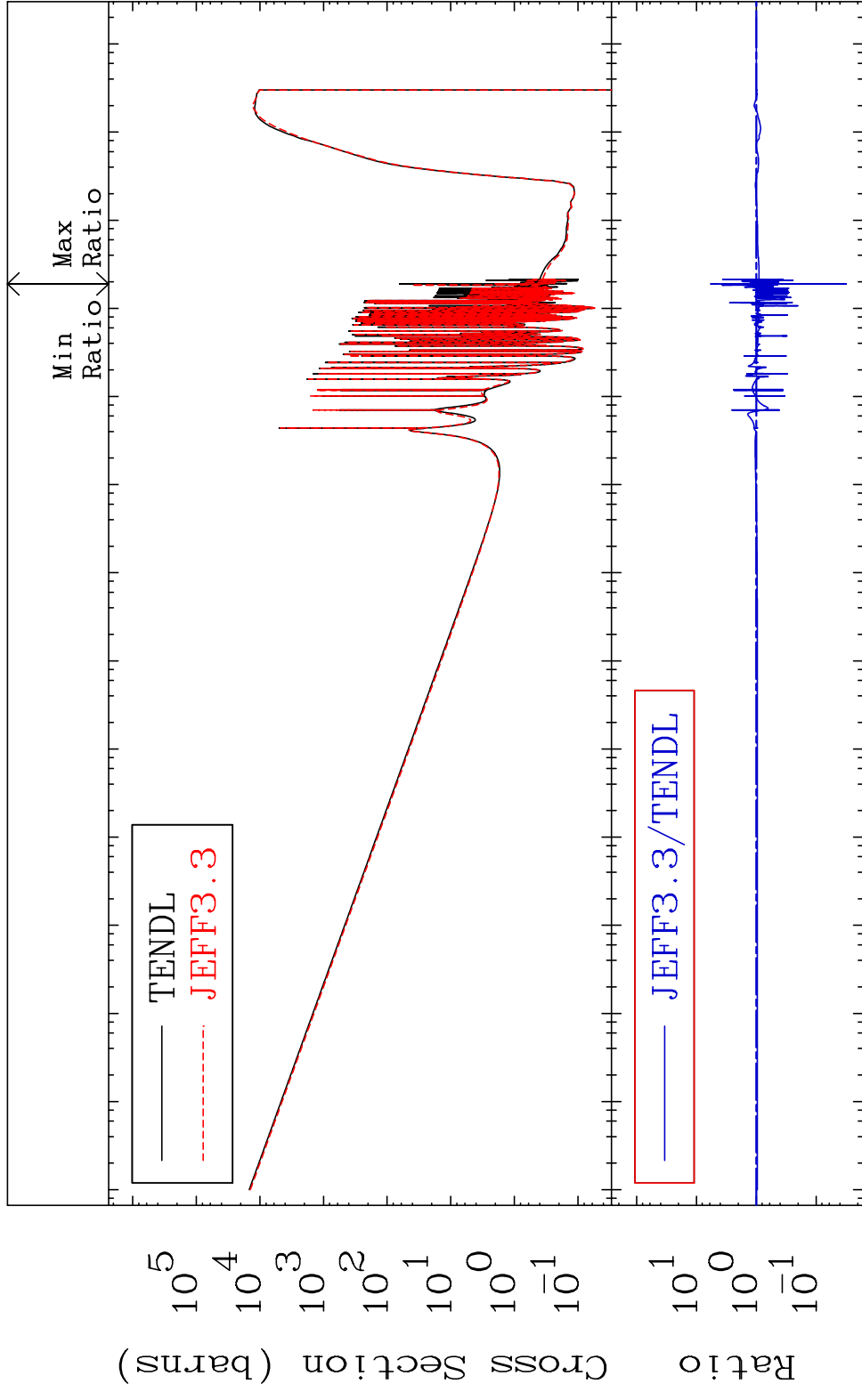
Incident Energy (eV)

23-V -51

MAT 2328 Dpa inelastic (mt51-91) 23-V -51
 Cross Section -100.0 To 12.69 %

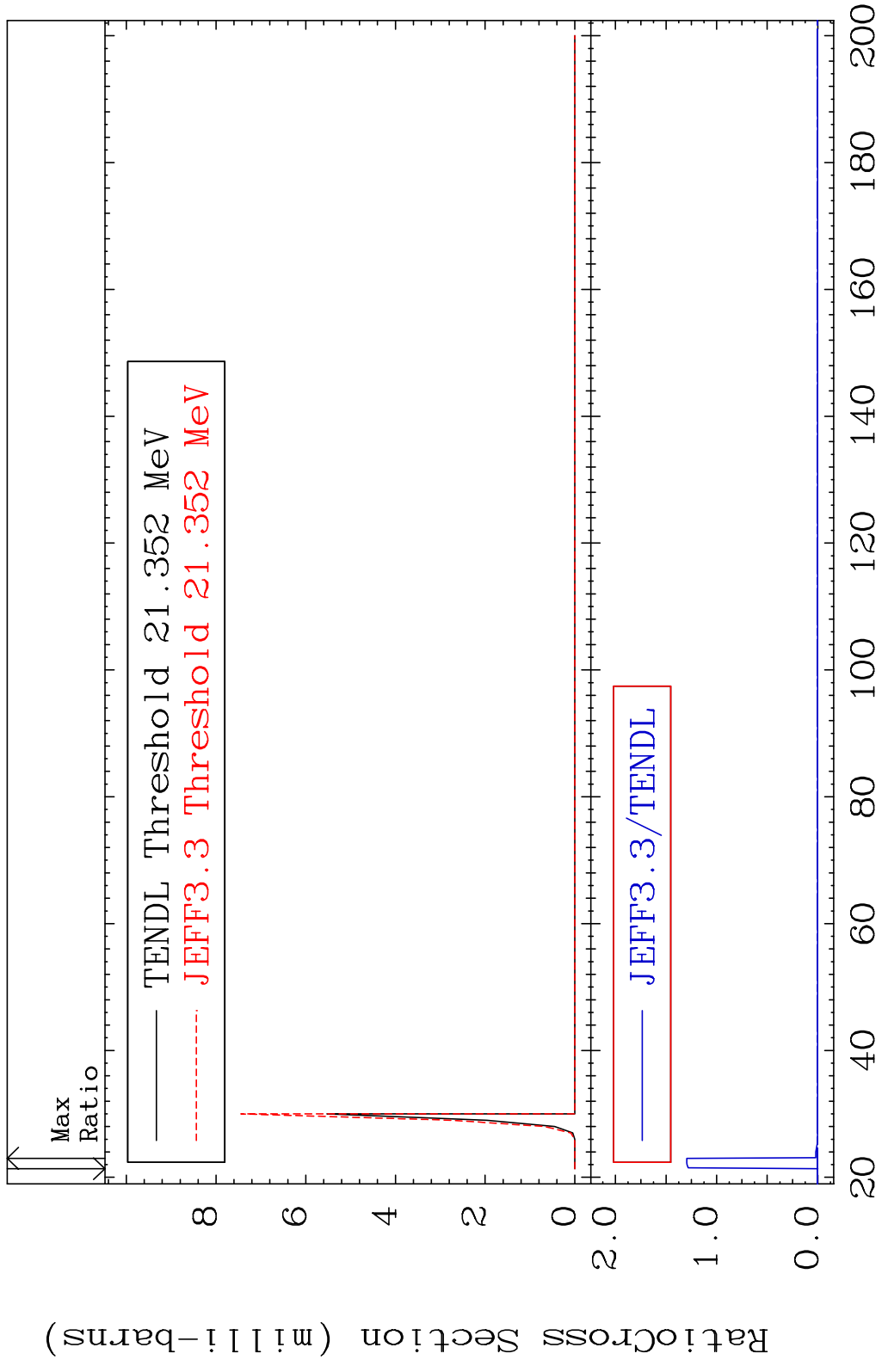


MAT 2328 Dpa disappearance (mt102 -120) 23-V -51
 Cross Section -96.88 To 478.8 %

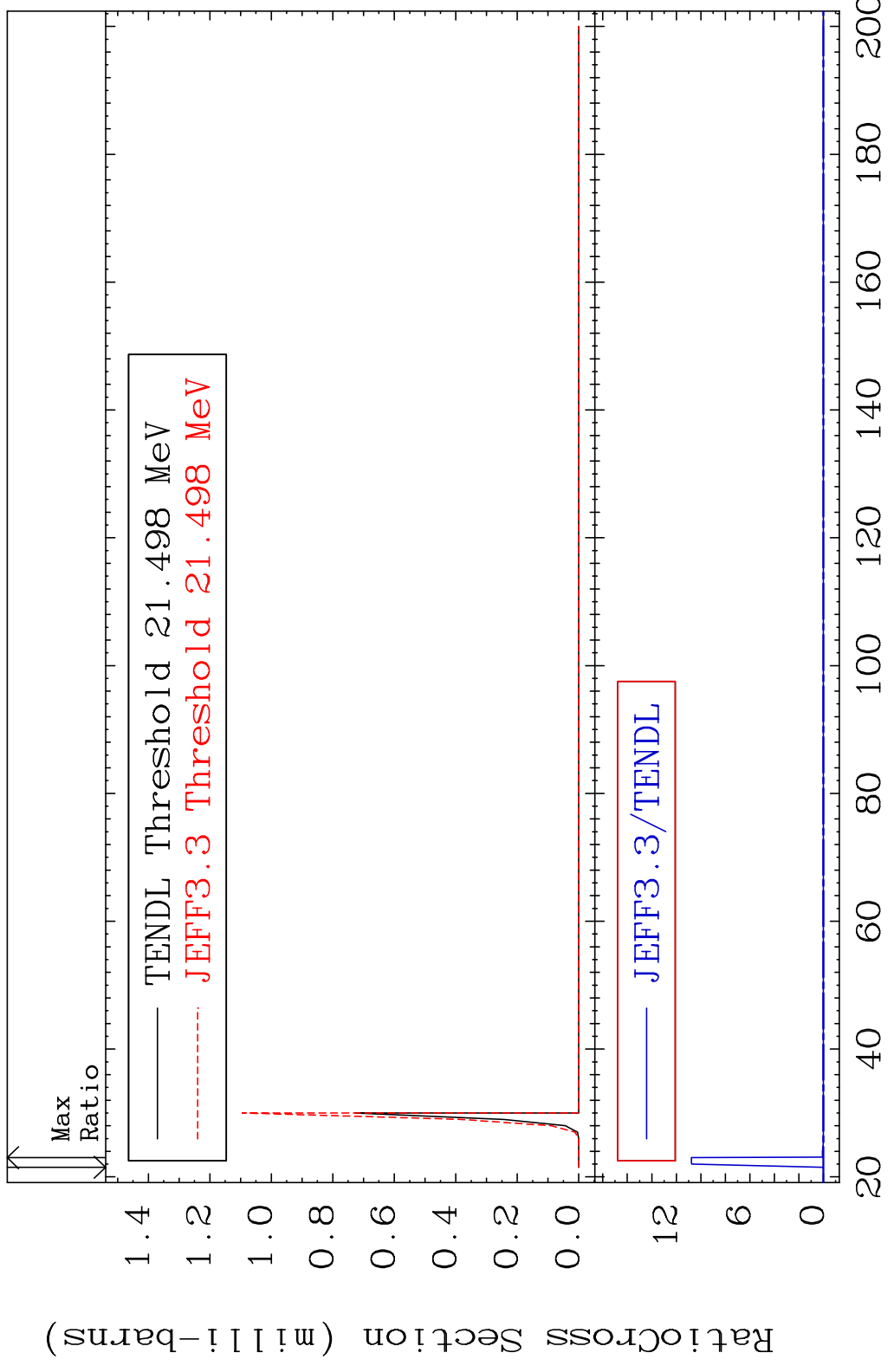


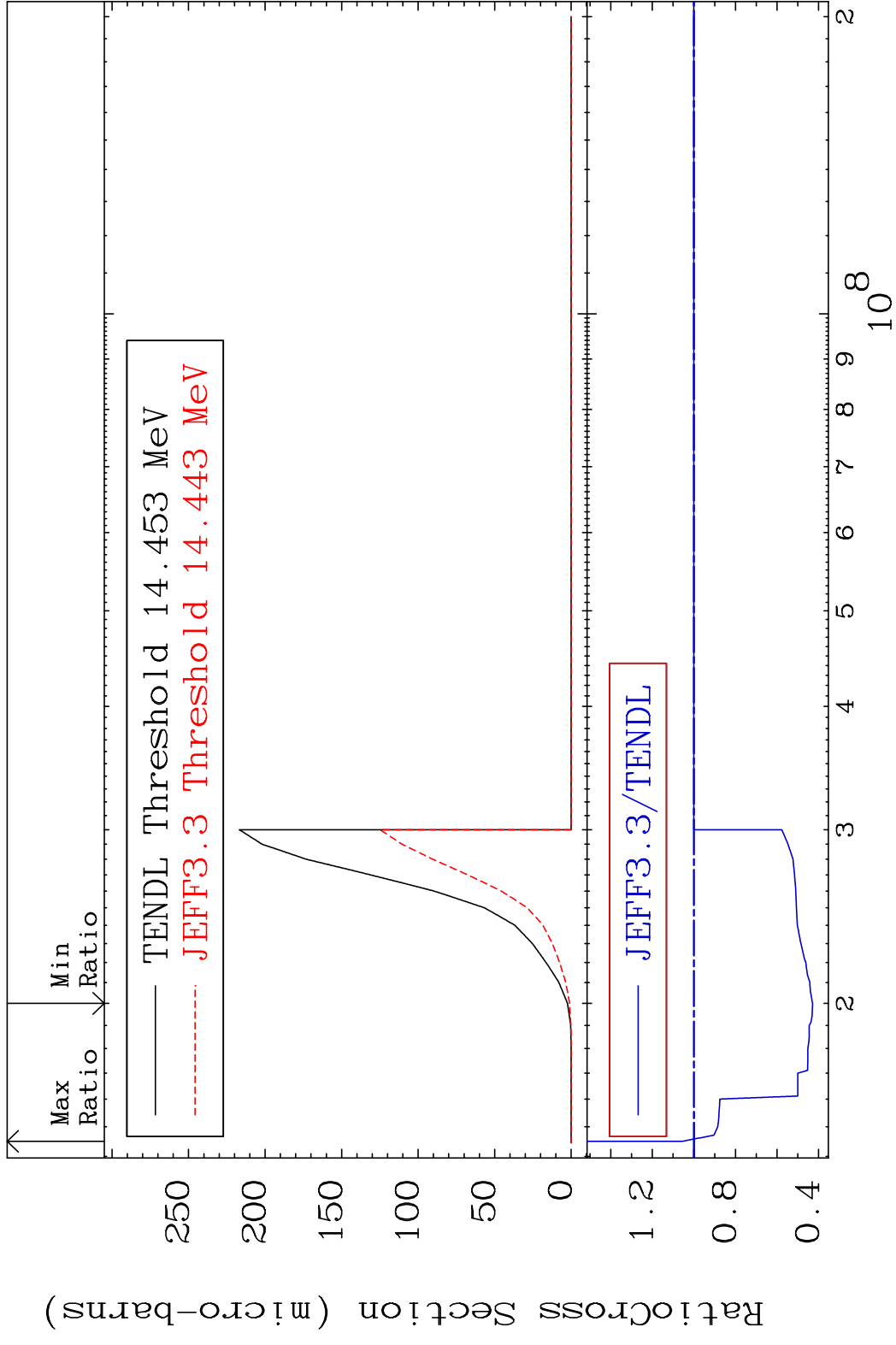
75 Incident Energy (eV) 23-V -51

MAT 2328 (n,2n) α :21-Sc-46g 23-V -51
 Radionuclide Production Cross Section Ratio 9999. %



MAT 2328 (n,2n) α :21-Sc-46m2 23-V -51
 Radionuclide Production Cross Section Ratio 9999. %





MAT 2328 (n,2p):21-Sc-50m1 23-V -51
 Radionuclide Production Cross Section 0.000 %

