

Program Complot
(Version 2021-1)

by

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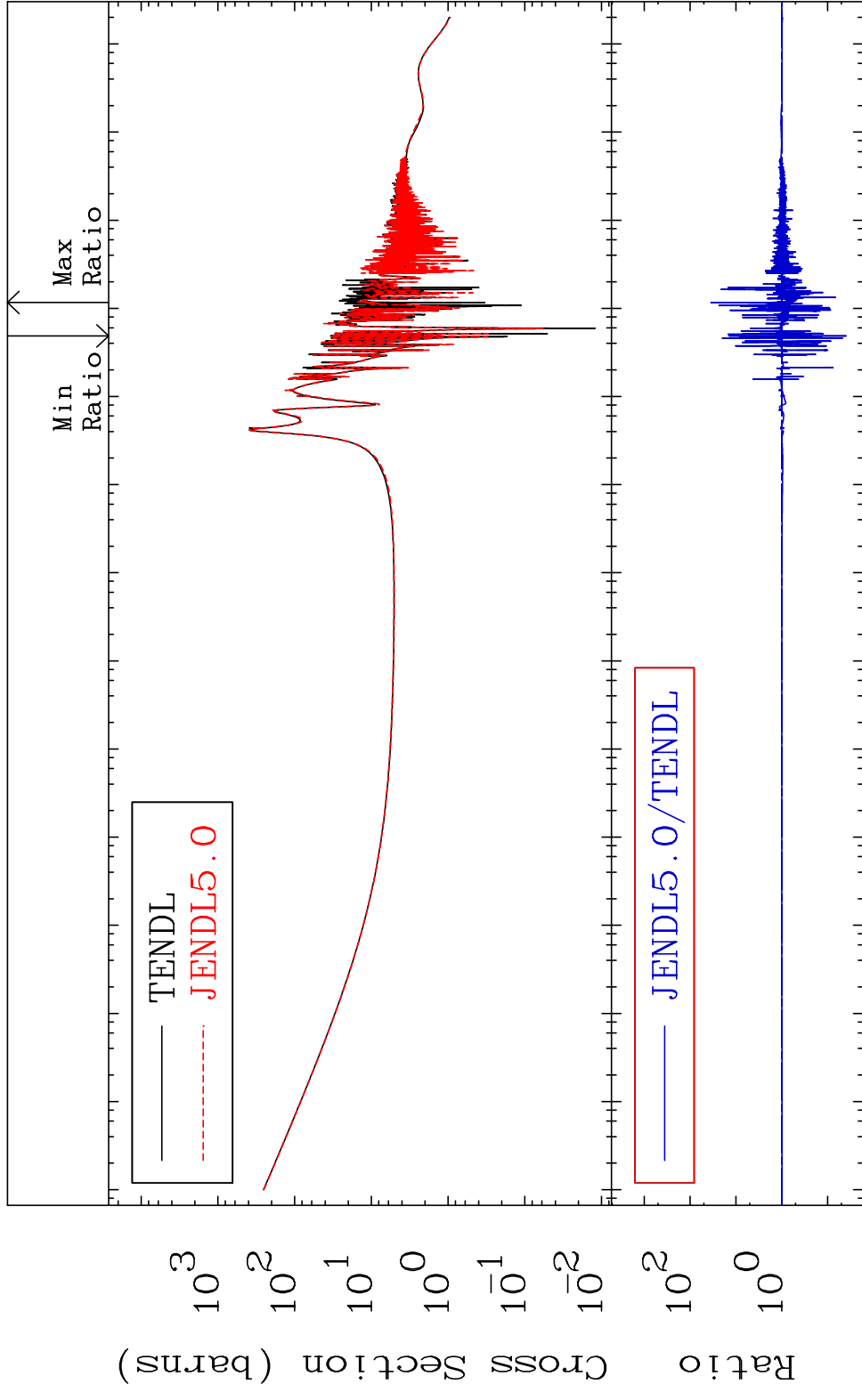
Press Mouse Button to Start

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

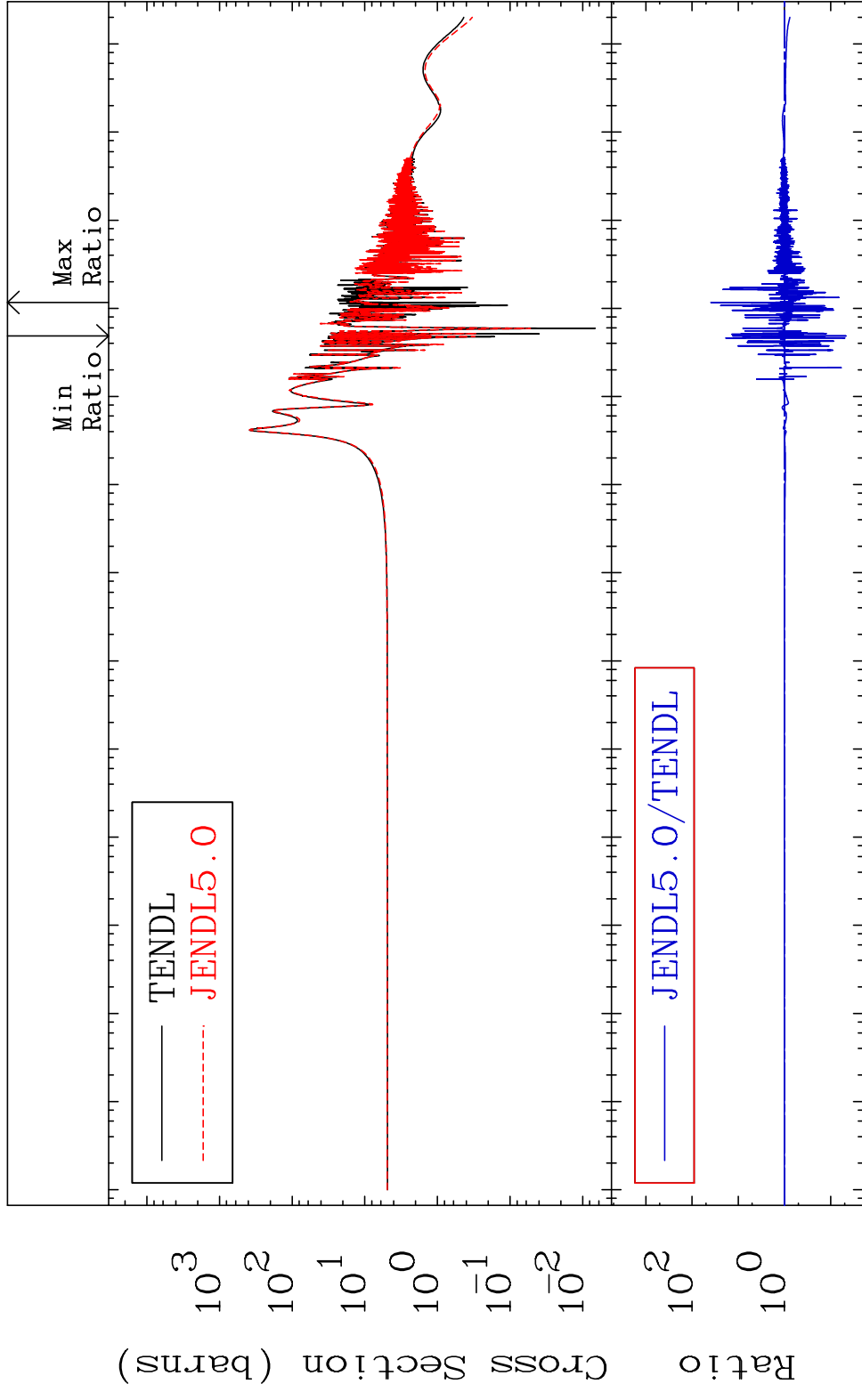
MAT 2328

Elastic

23-V -51

Cross Section

-95.41 To 3842. %



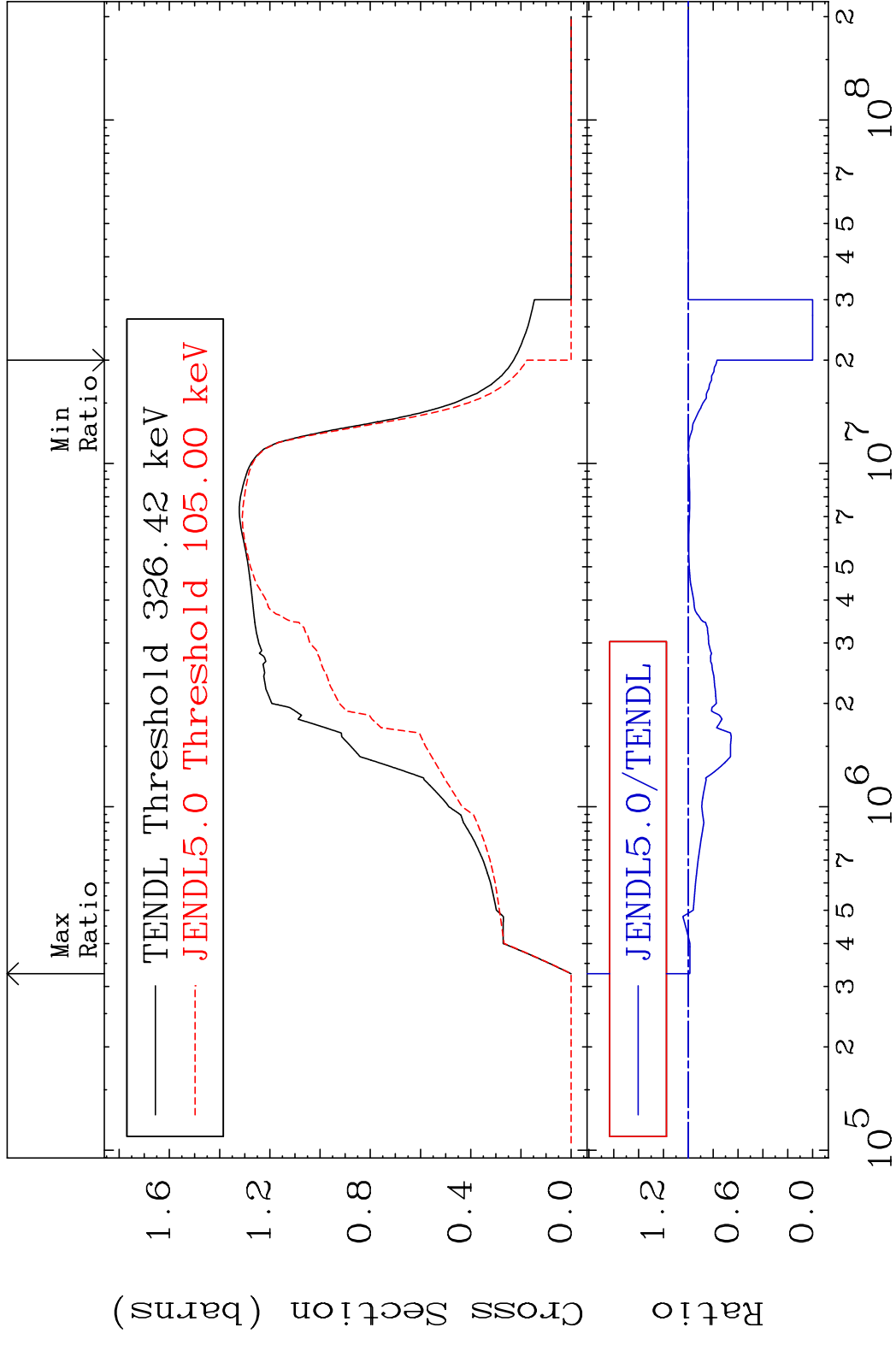
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

23-V -51

MAT 2328 Inelastic 23-V -51
 Cross Section -100.0 To 4.801 %



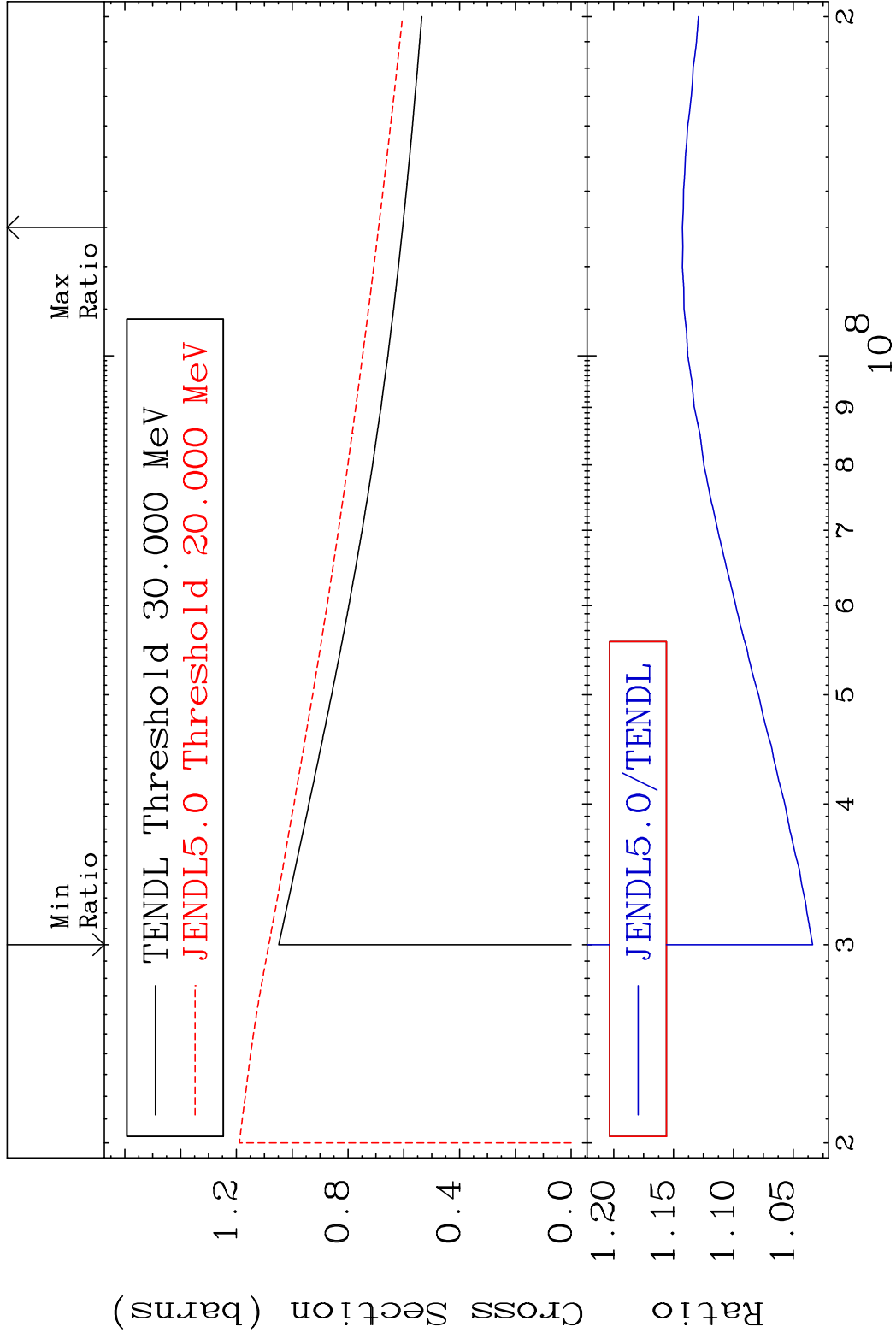
3 Incident Energy (eV) 23-V -51

MAT 2328

(n, remainder)

23-V -51

Cross Section 3.380 To 14.27 %

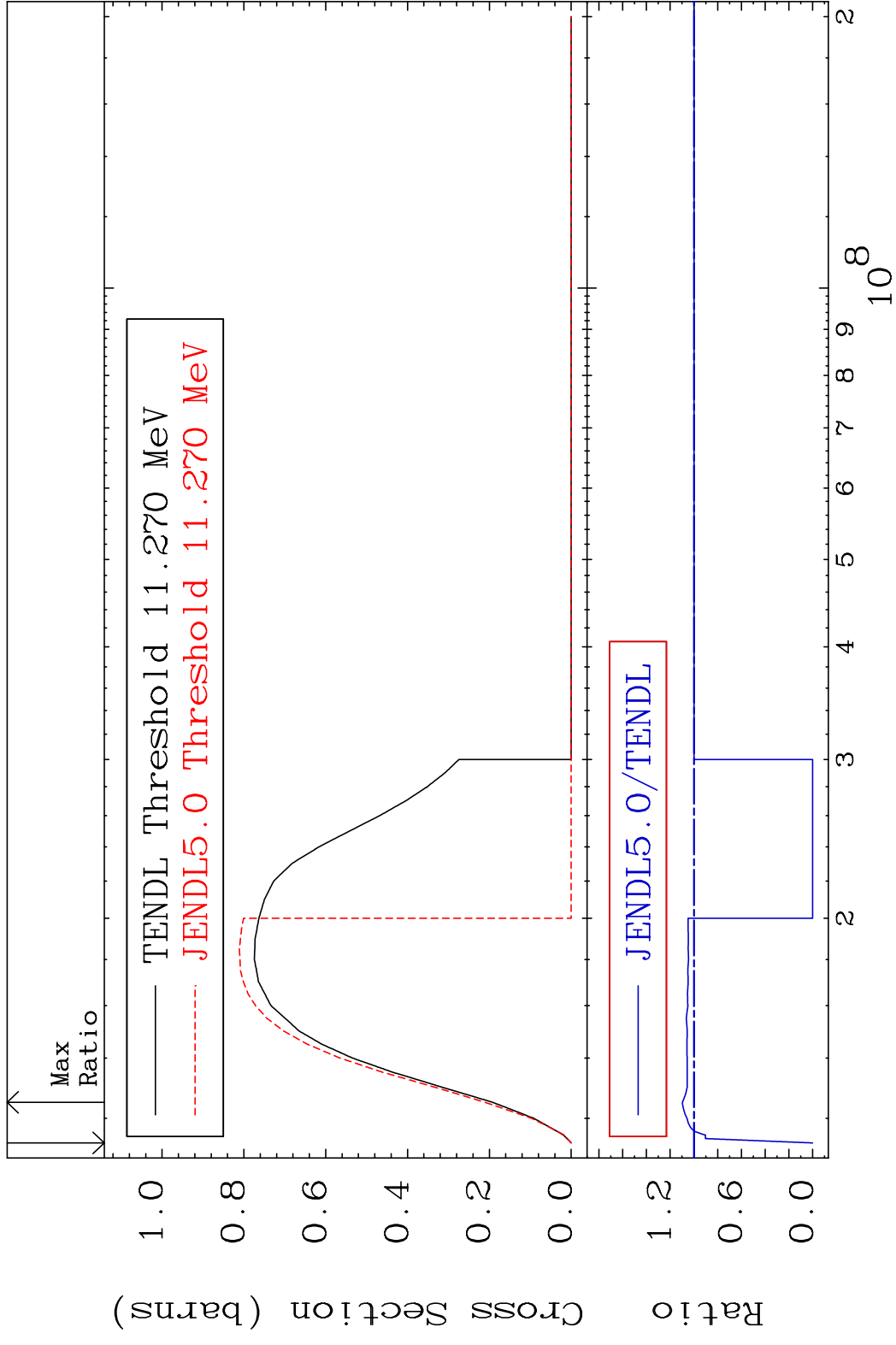


4

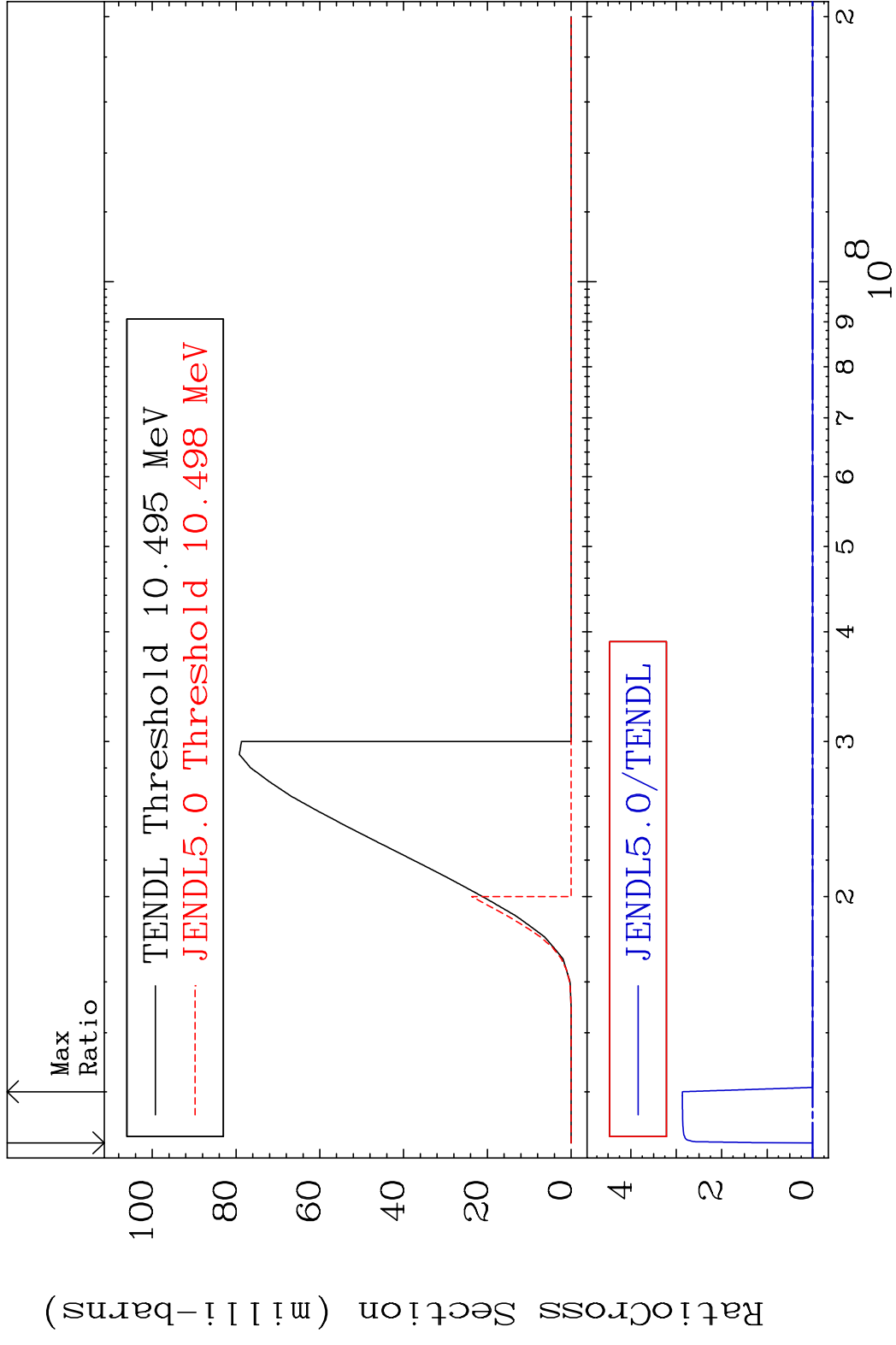
Incident Energy (eV)

23-V -51

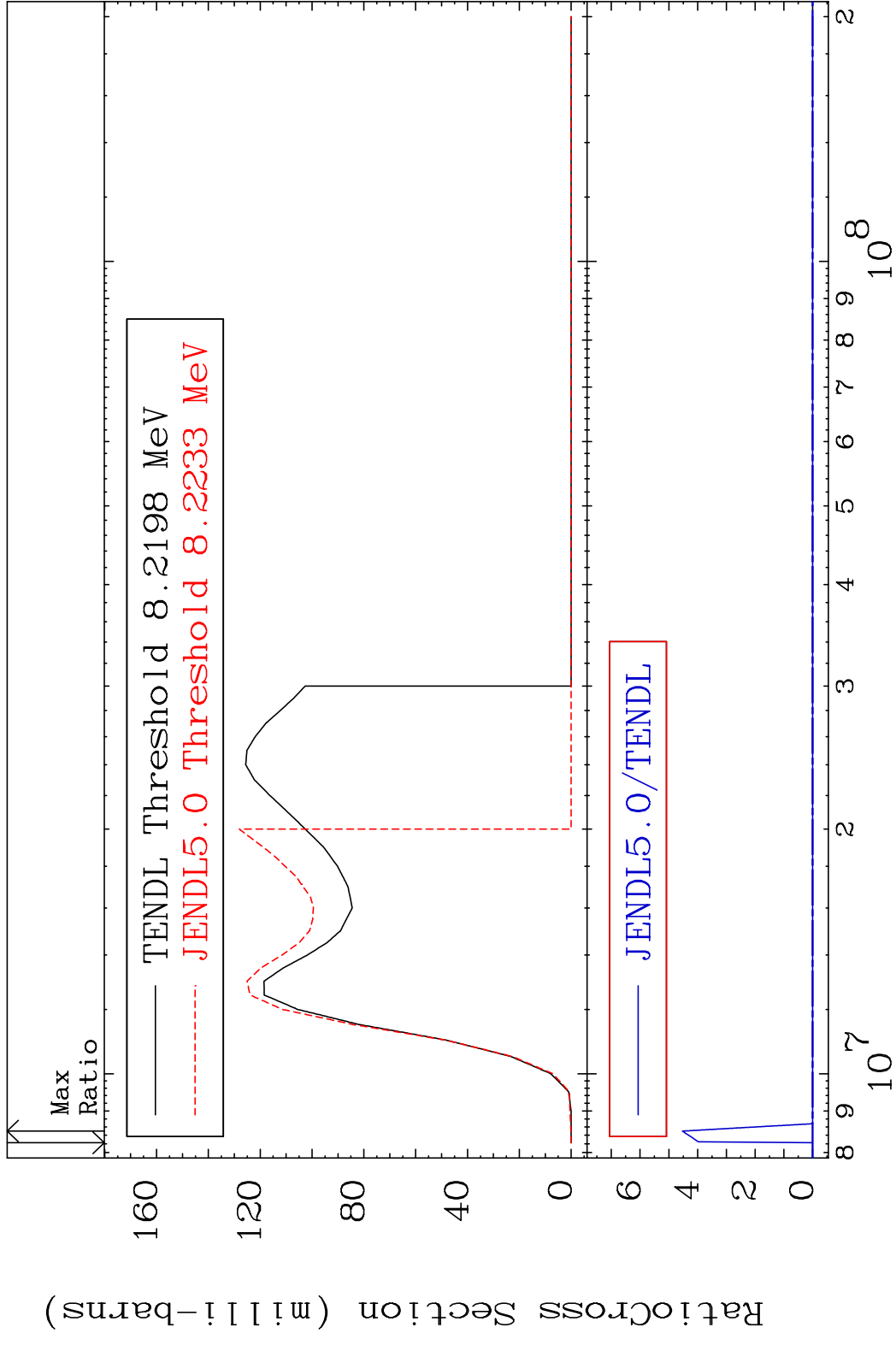
MAT 2328 (n,2n) 23-V -51
 Cross Section -100.0 To 9.738 %



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

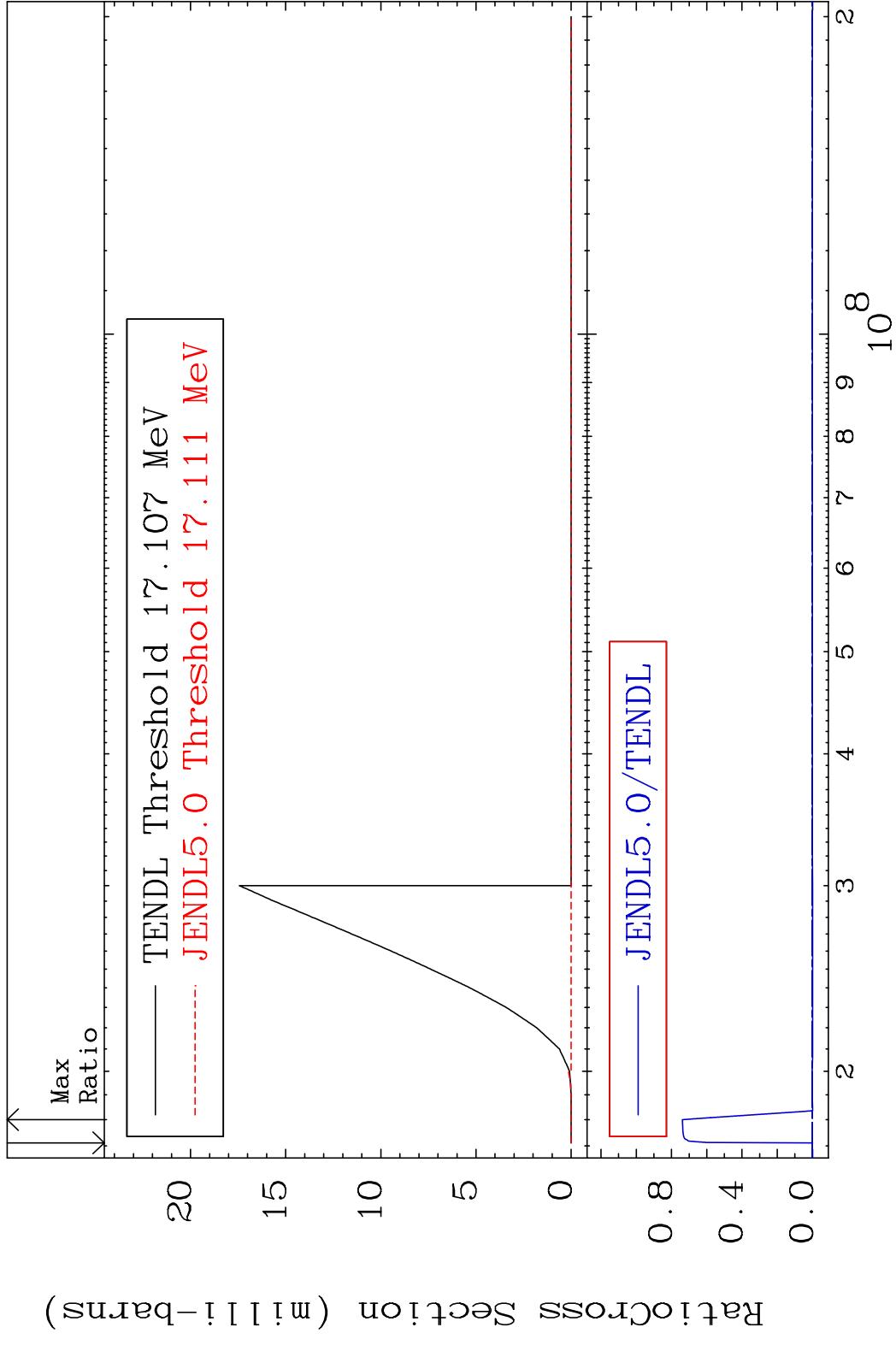


MAT 2328 (n, n') p 23-V -51
 Cross Section -100.0 To 9999. %

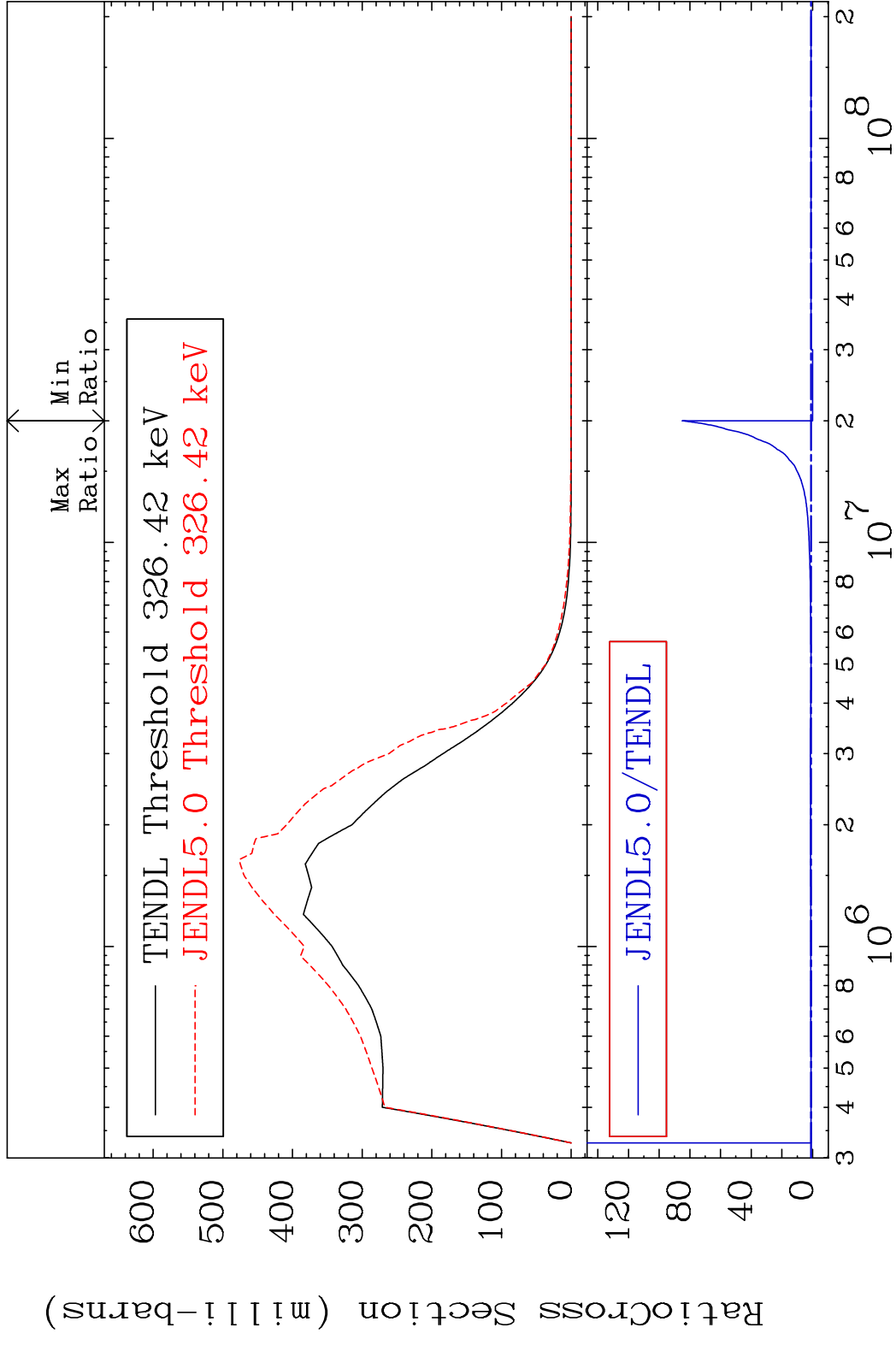


7 Incident Energy (eV) 23-V -51

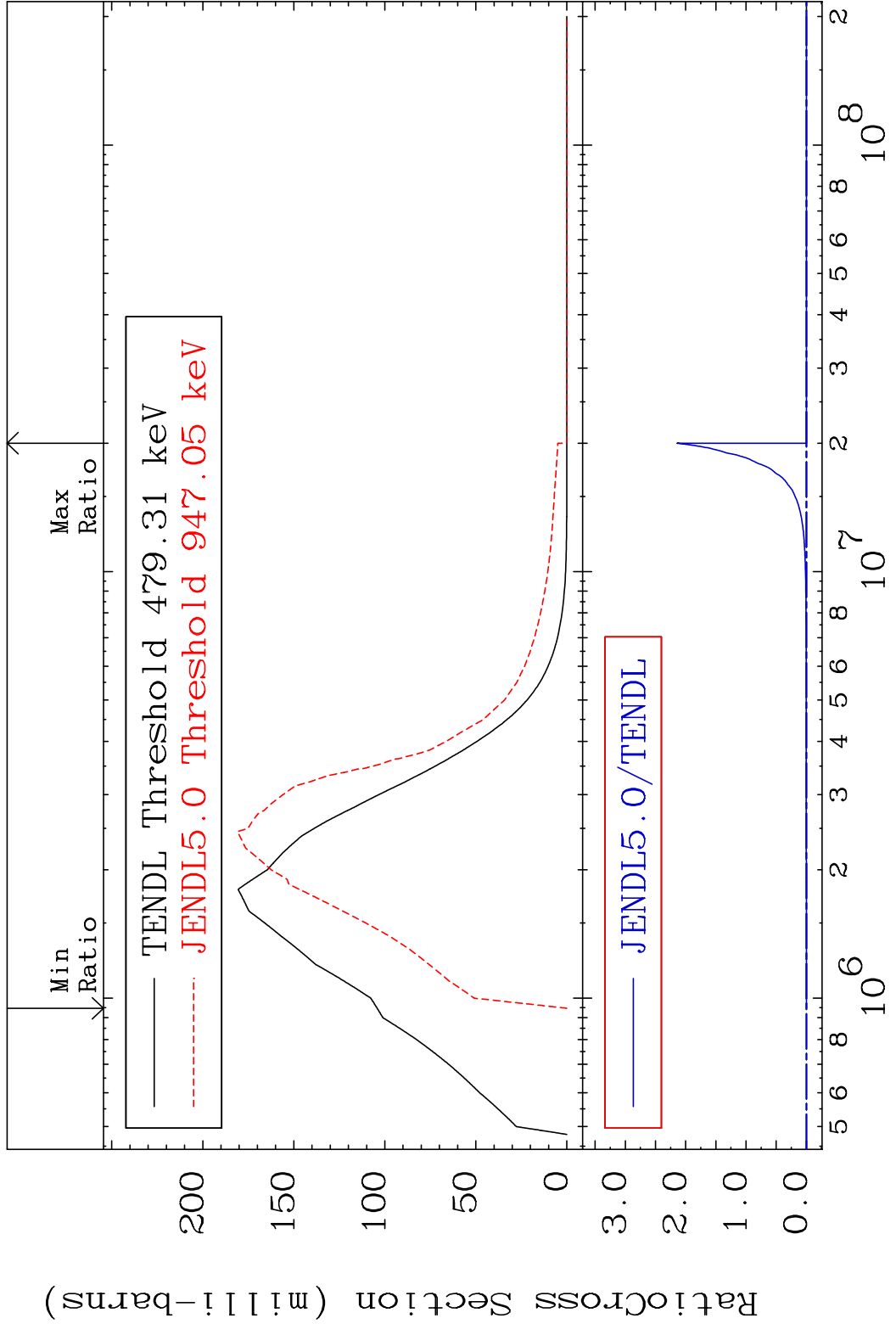
MAT 2328 (n, n') d 23-V -51
 Cross Section -100.0 To 9999. %



MAT 2328 MT= 51 (n, n') Level 23-V -51
 Cross Section -100.0 To 8389. %

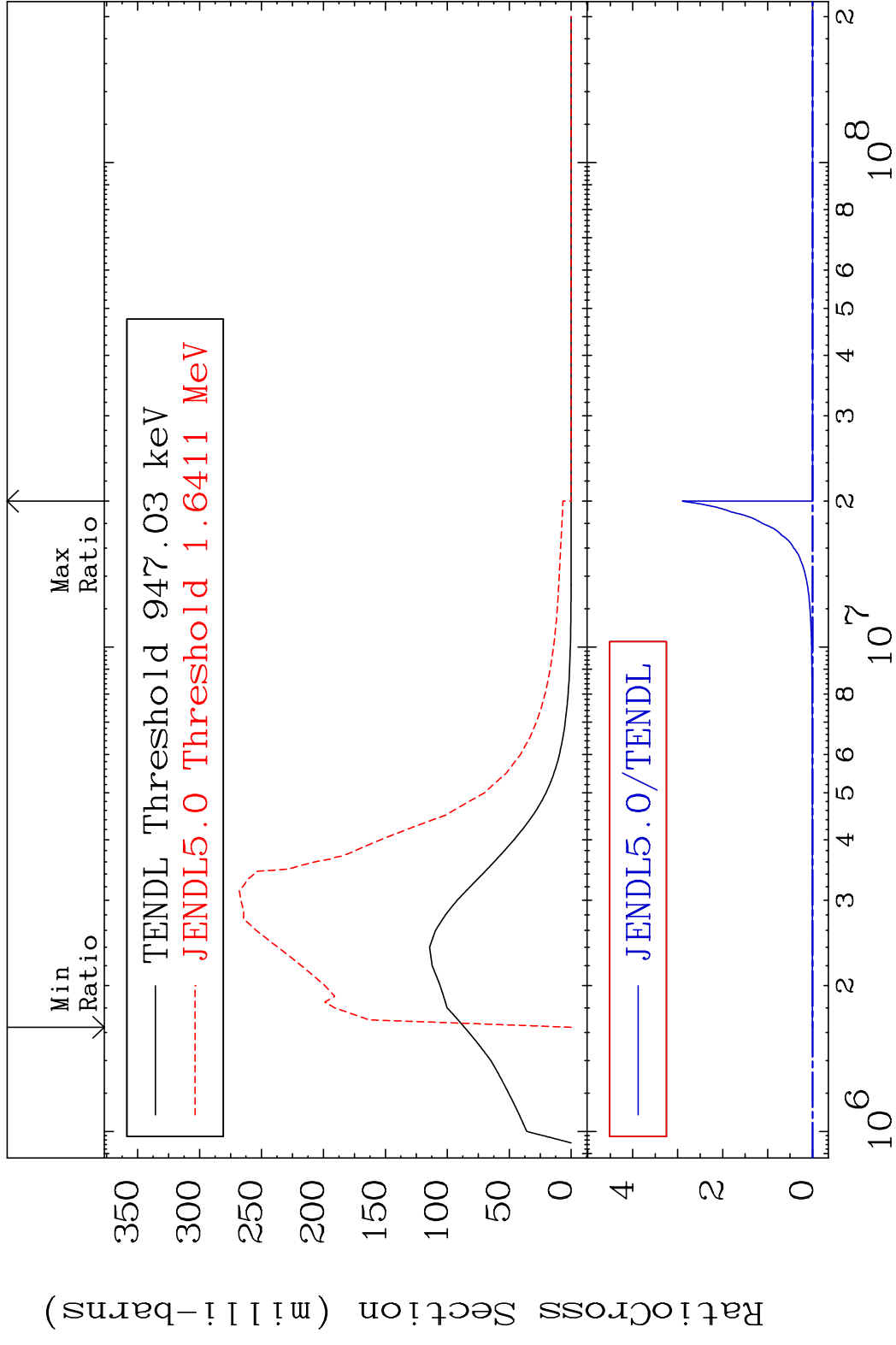


MAT 2328 MT= 52 (n, n') Level 23-V -51
 Cross Section -100.0 To 9999. %



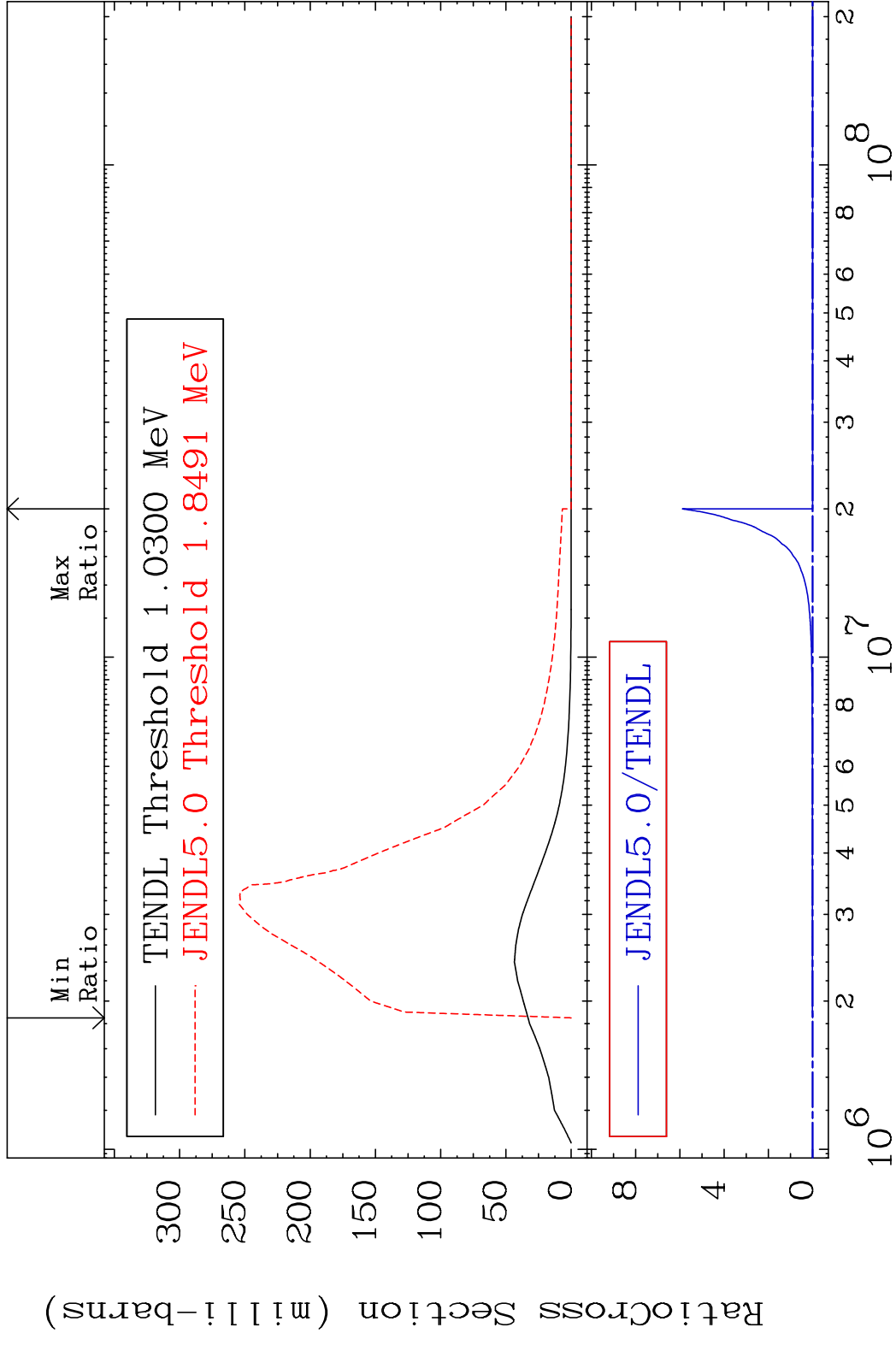
10 Incident Energy (eV) 23-V -51

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



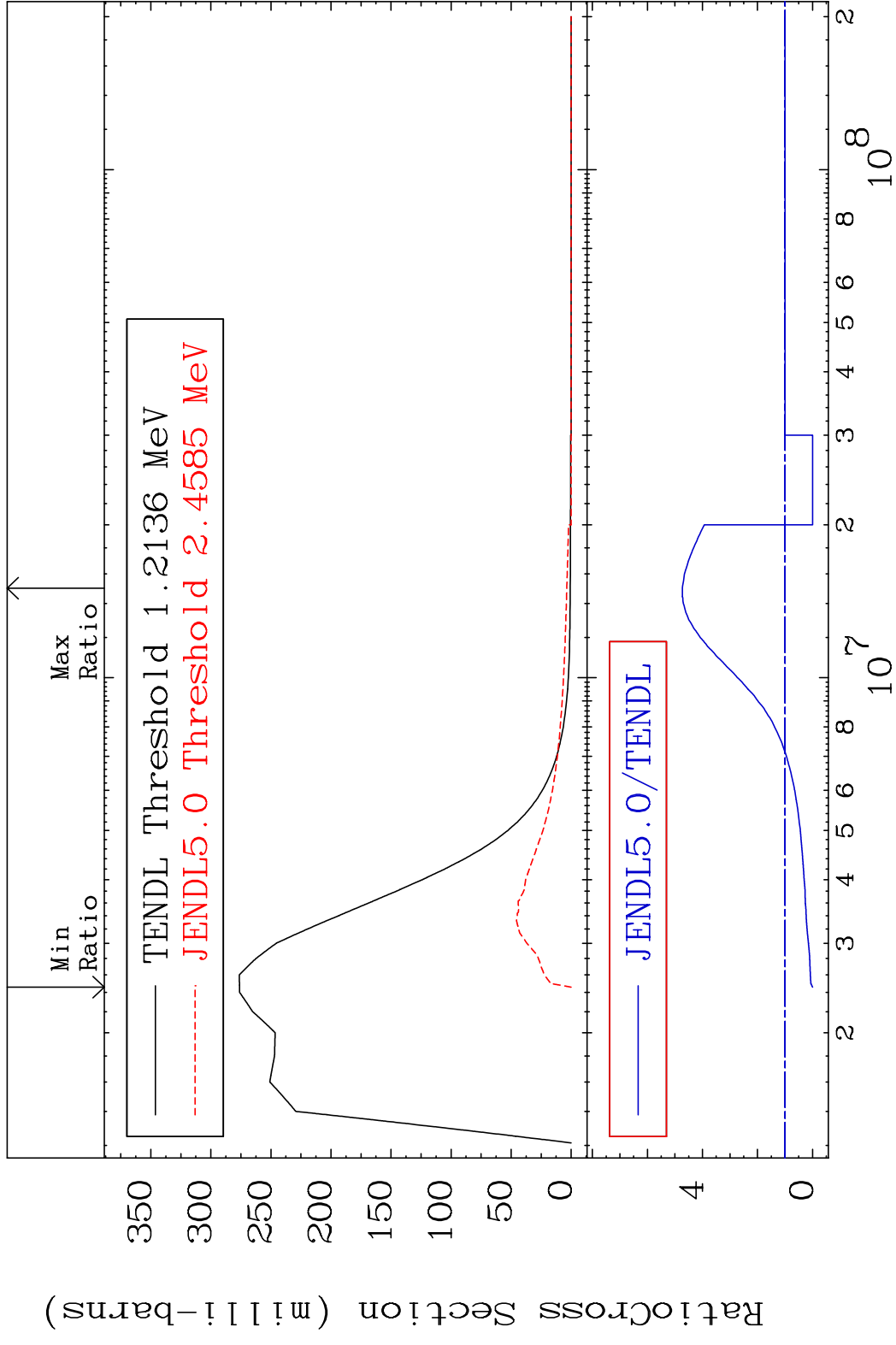
11 Incident Energy (eV) 23-V -51

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

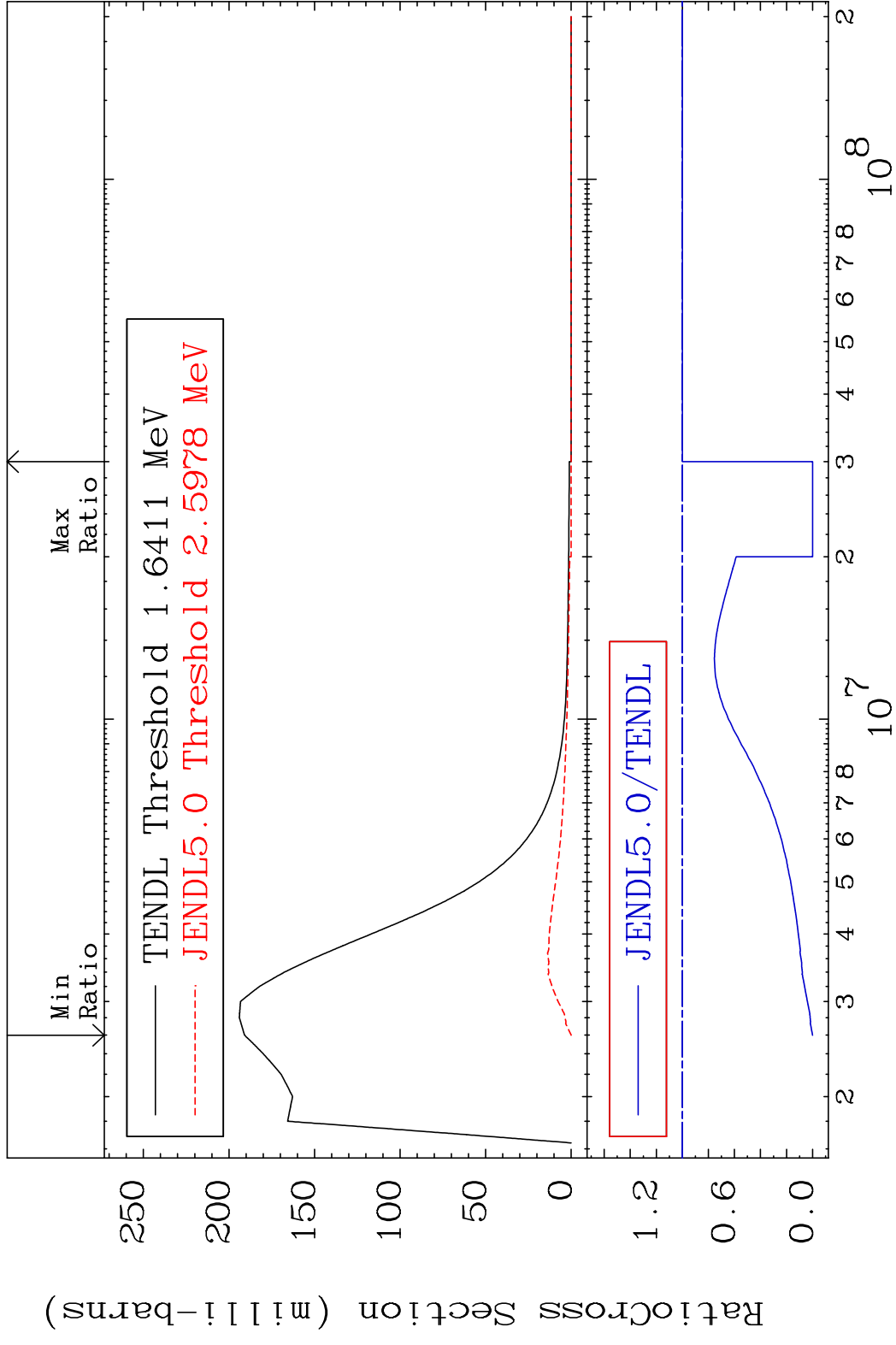


12 Incident Energy (eV) 23-V -51

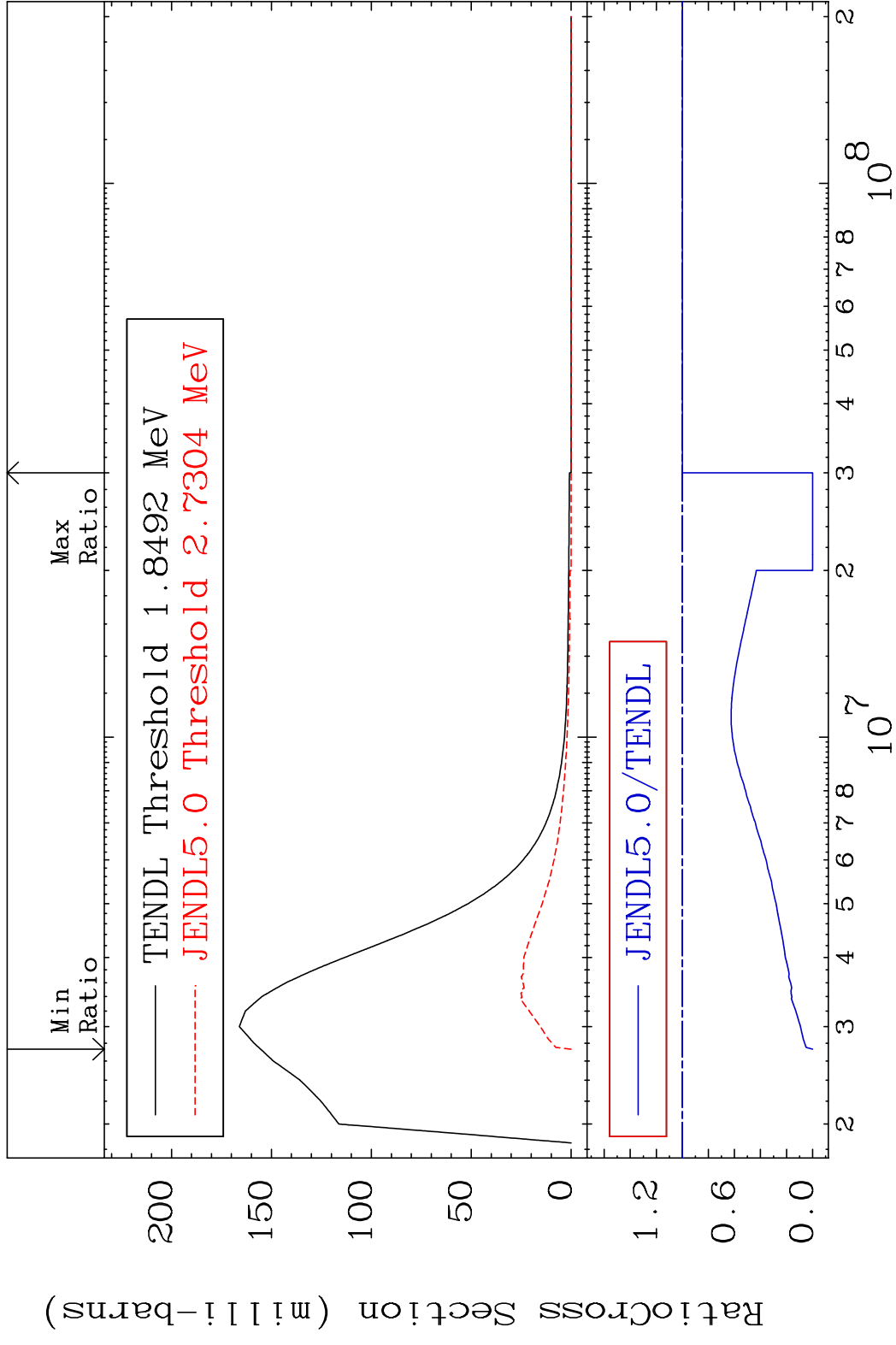
MAT 2328 MT= 55 (n, n') Level 23-V -51
 Cross Section -100.0 To 373.1 %



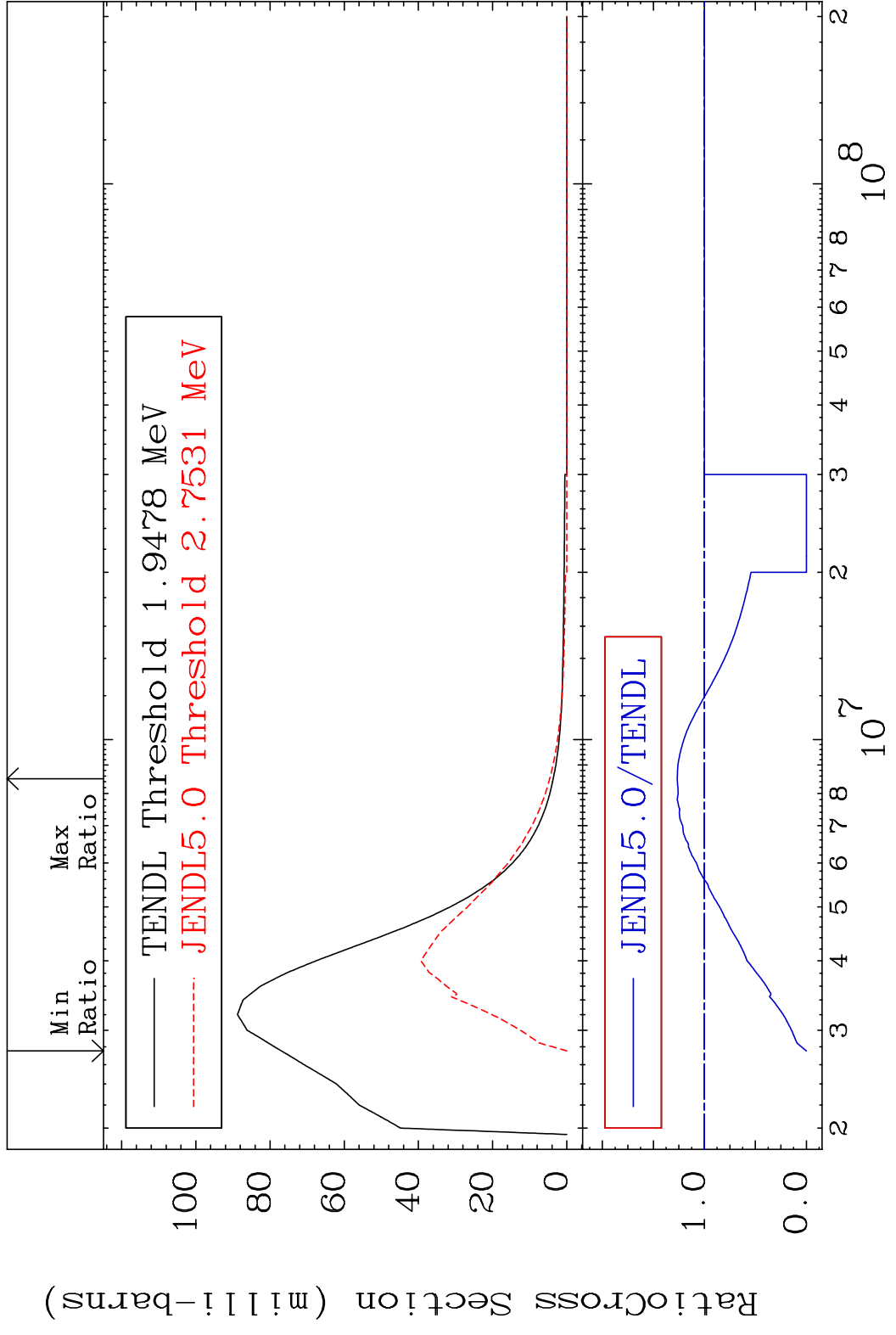
MAT 2328 MT= 56 (n, n') Level 23-V -51
 Cross Section -100.0 To 0.000 %



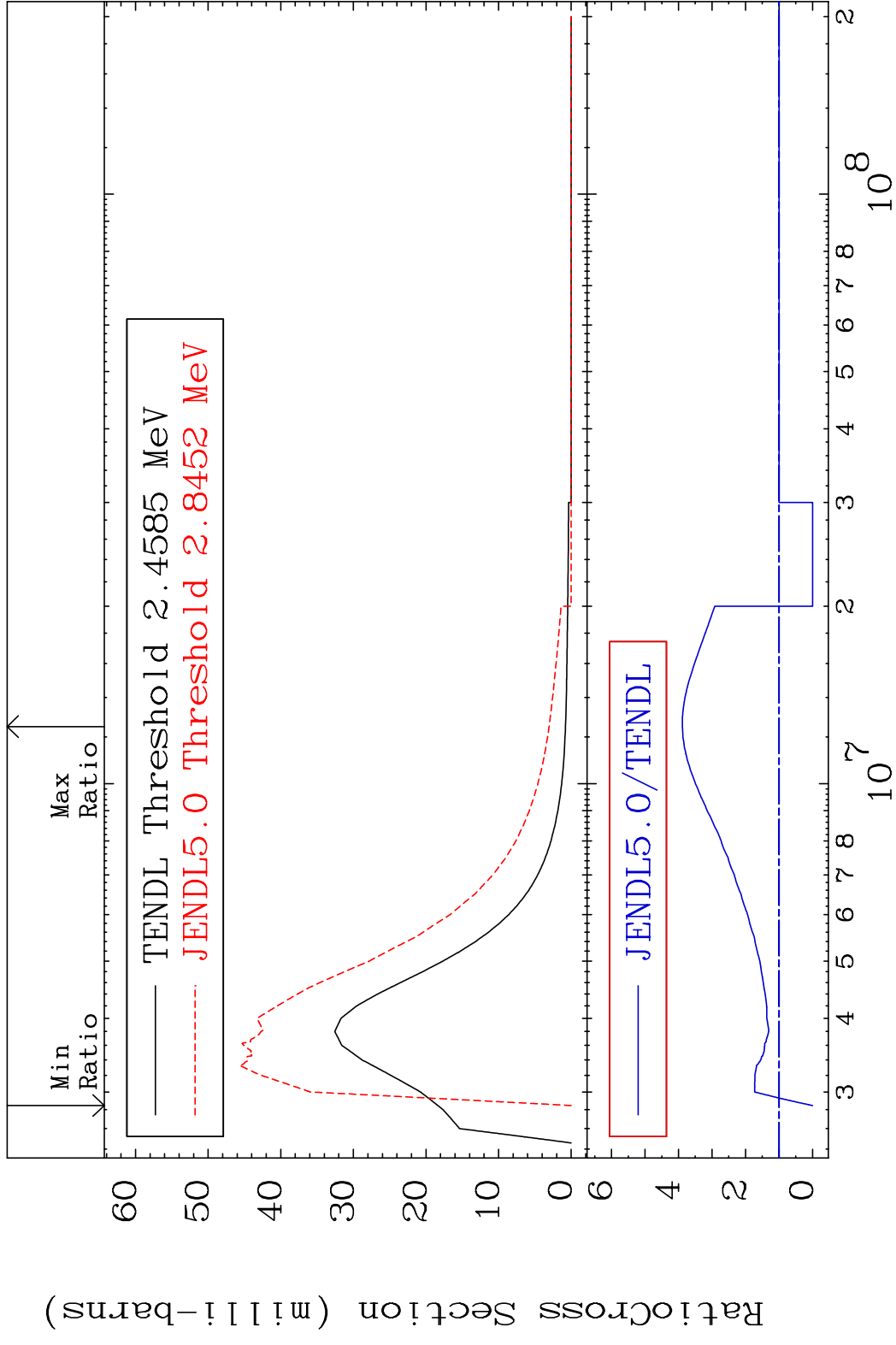
MAT 2328 MT= 57 (n, n') Level 23-V -51
 Cross Section -100.0 To 0.000 %



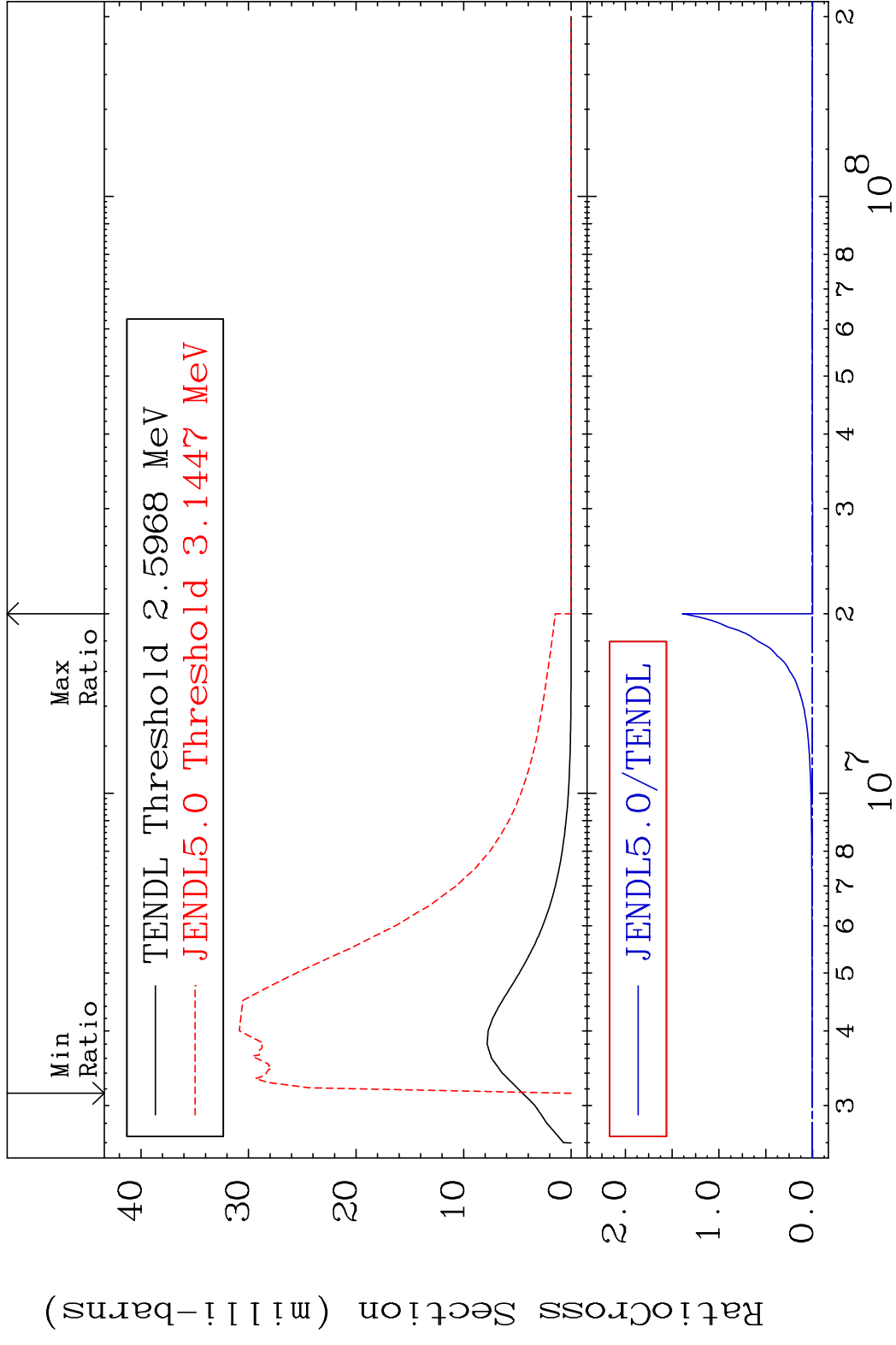
MAT 2328 MT= 58 (n, n') Level 23-V -51
 Cross Section -100.0 To 26.66 %



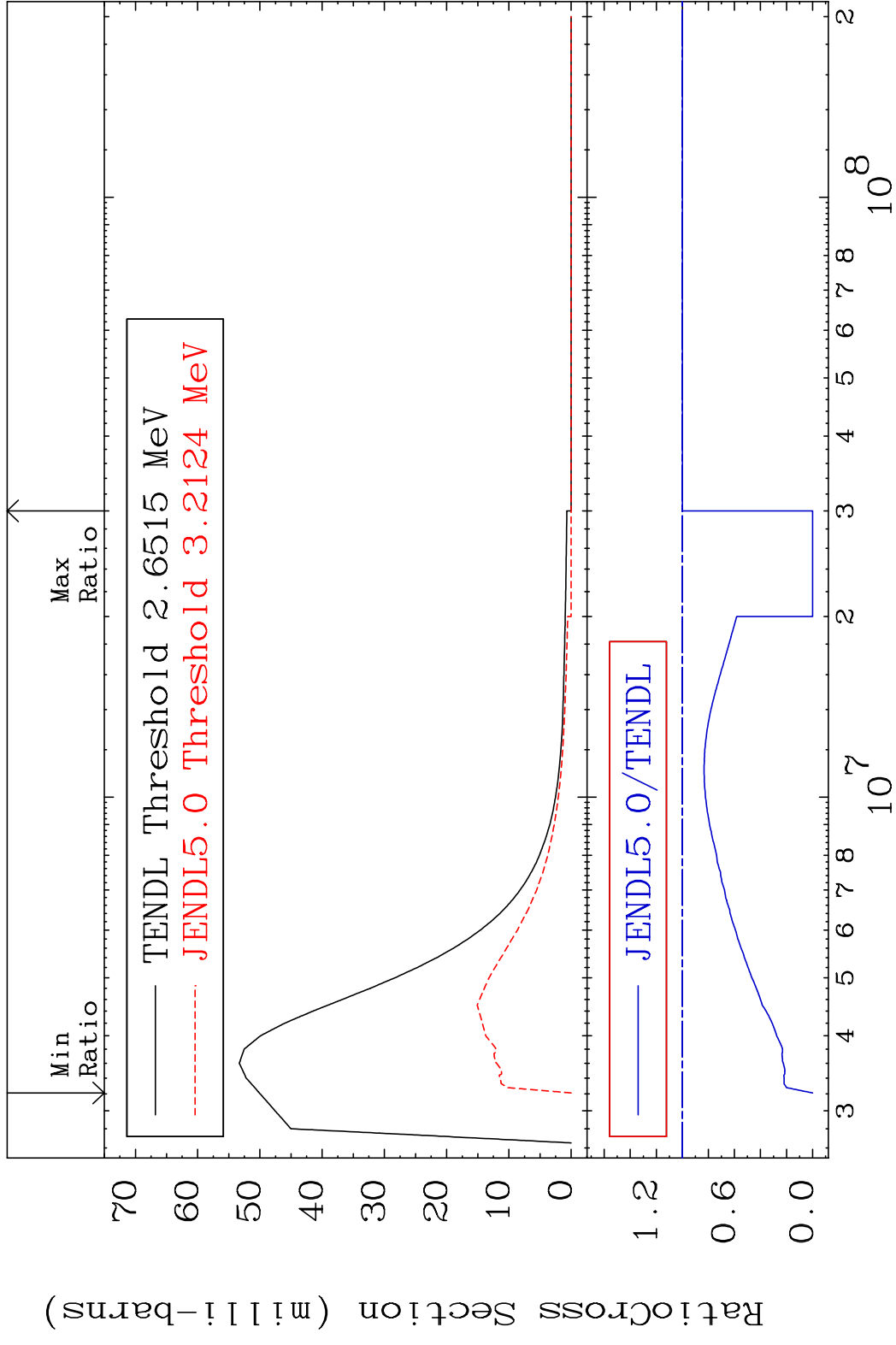
MAT 2328 MT= 59 (n, n') Level 23-V -51
 Cross Section -100.0 To 288.6 %



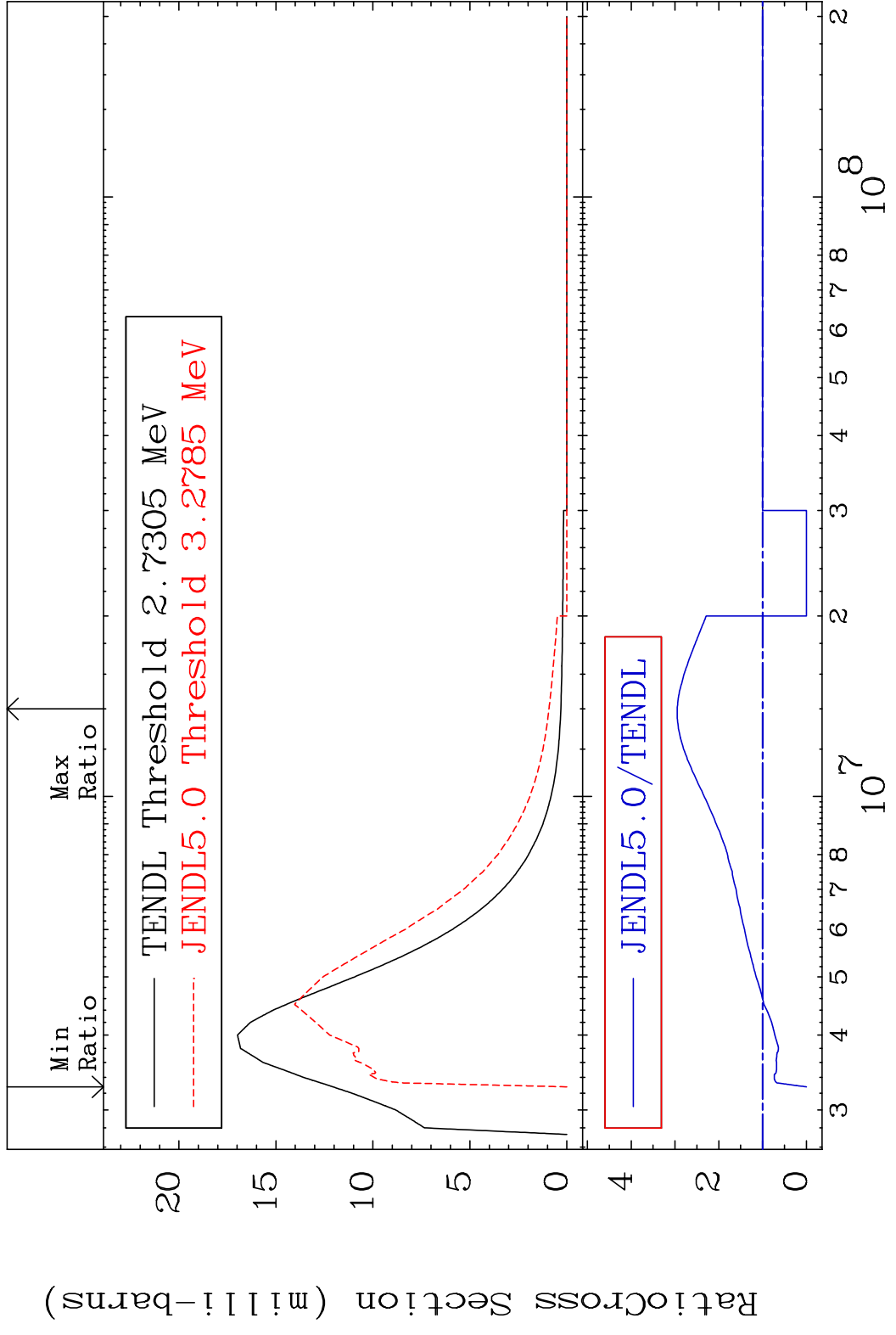
MAT 2328 MT= 60 (n, n') Level 23-V -51
 Cross Section -100.0 To 9999. %



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

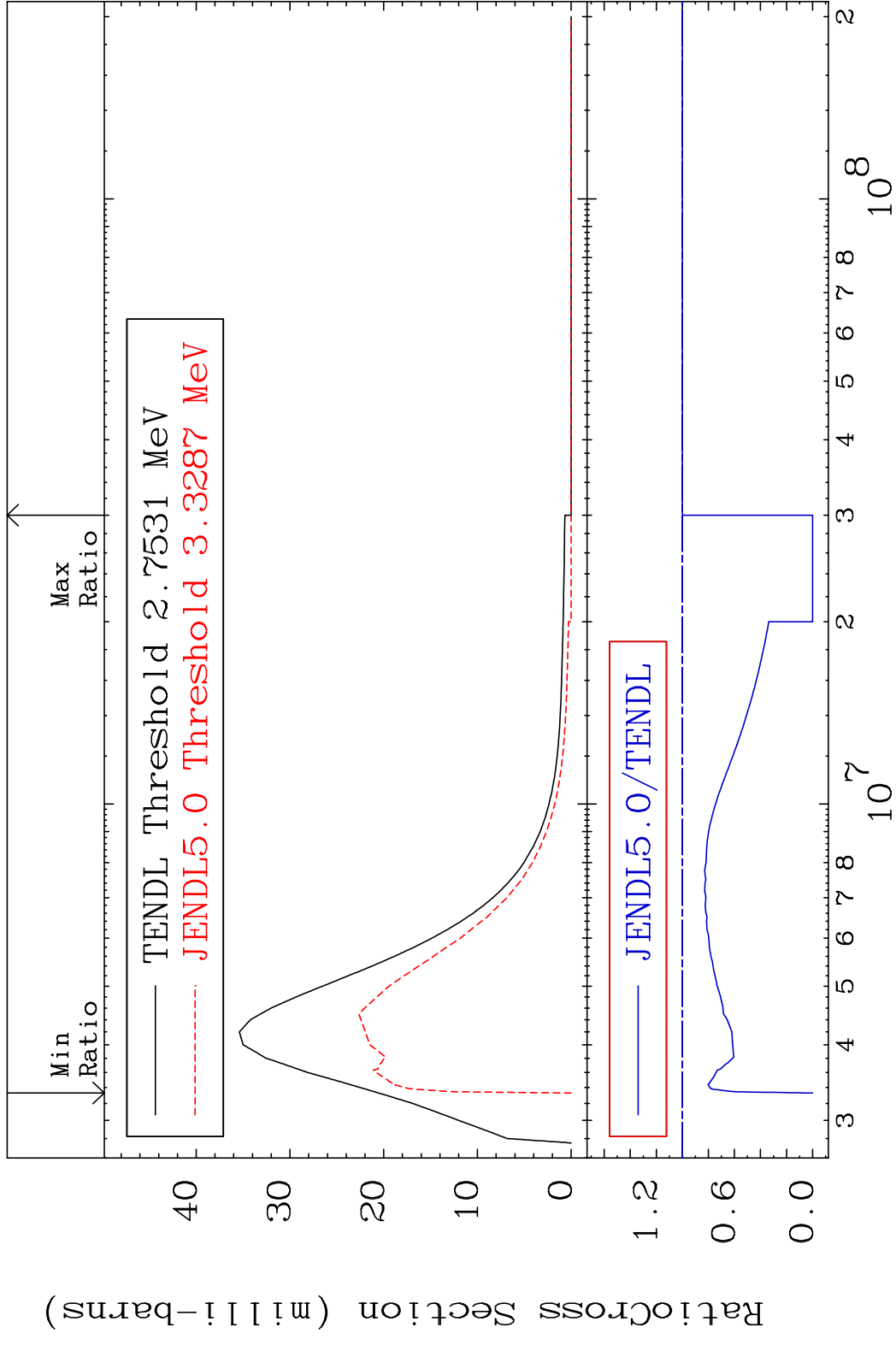


MAT 2328 MT= 62 (n, n') Level 23-V -51
 Cross Section -100.0 To 195.0 %

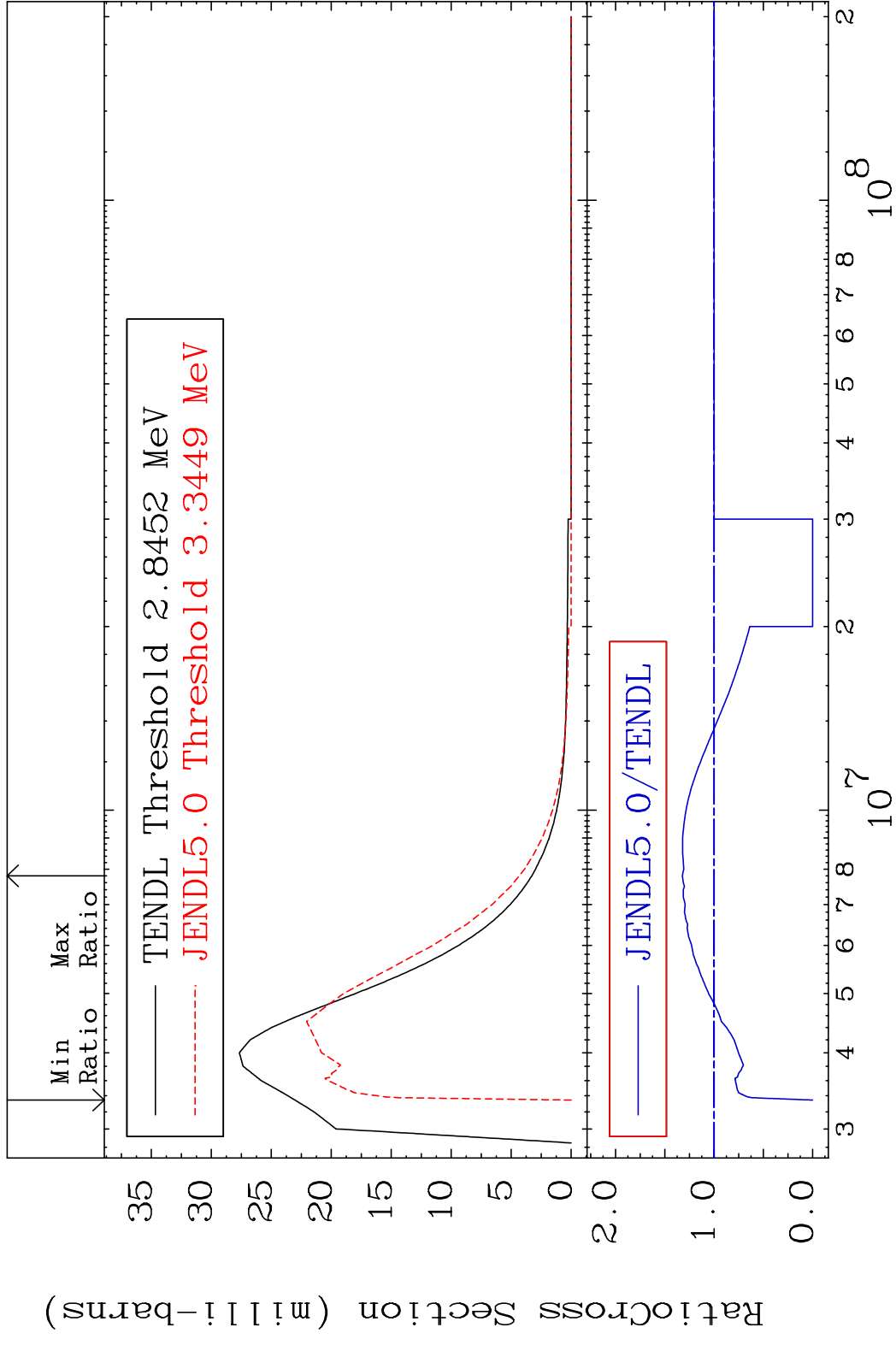


20 23-V -51

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 32.12 %

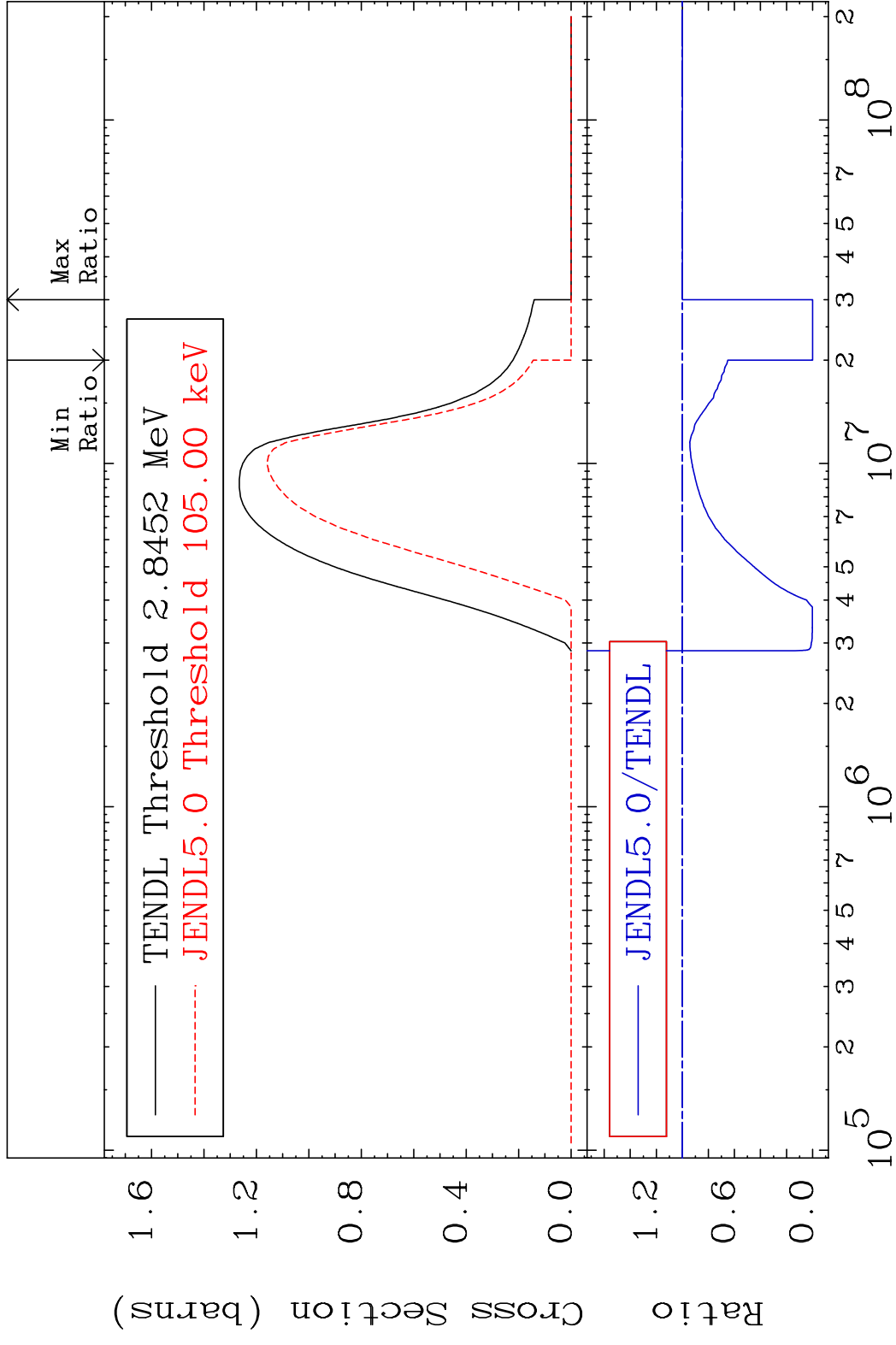


MAT 2328

(n, n') Continuum

23-V -51

Cross Section -100.0 To 0.000 %



23

Incident Energy (eV)

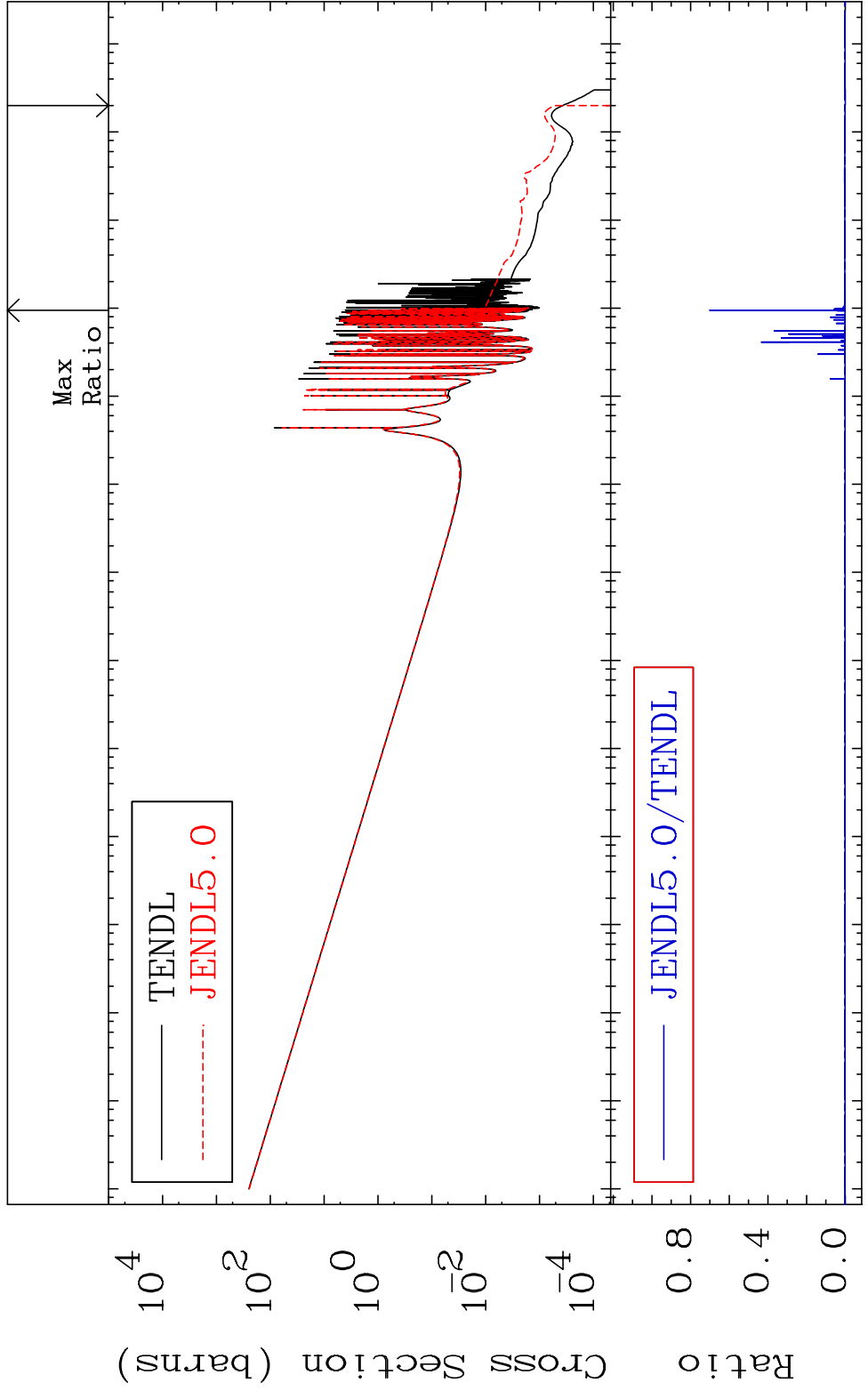
23-V -51

MAT 2328

(n, γ)

23-V -51

Cross Section -100.0 To 9999. %

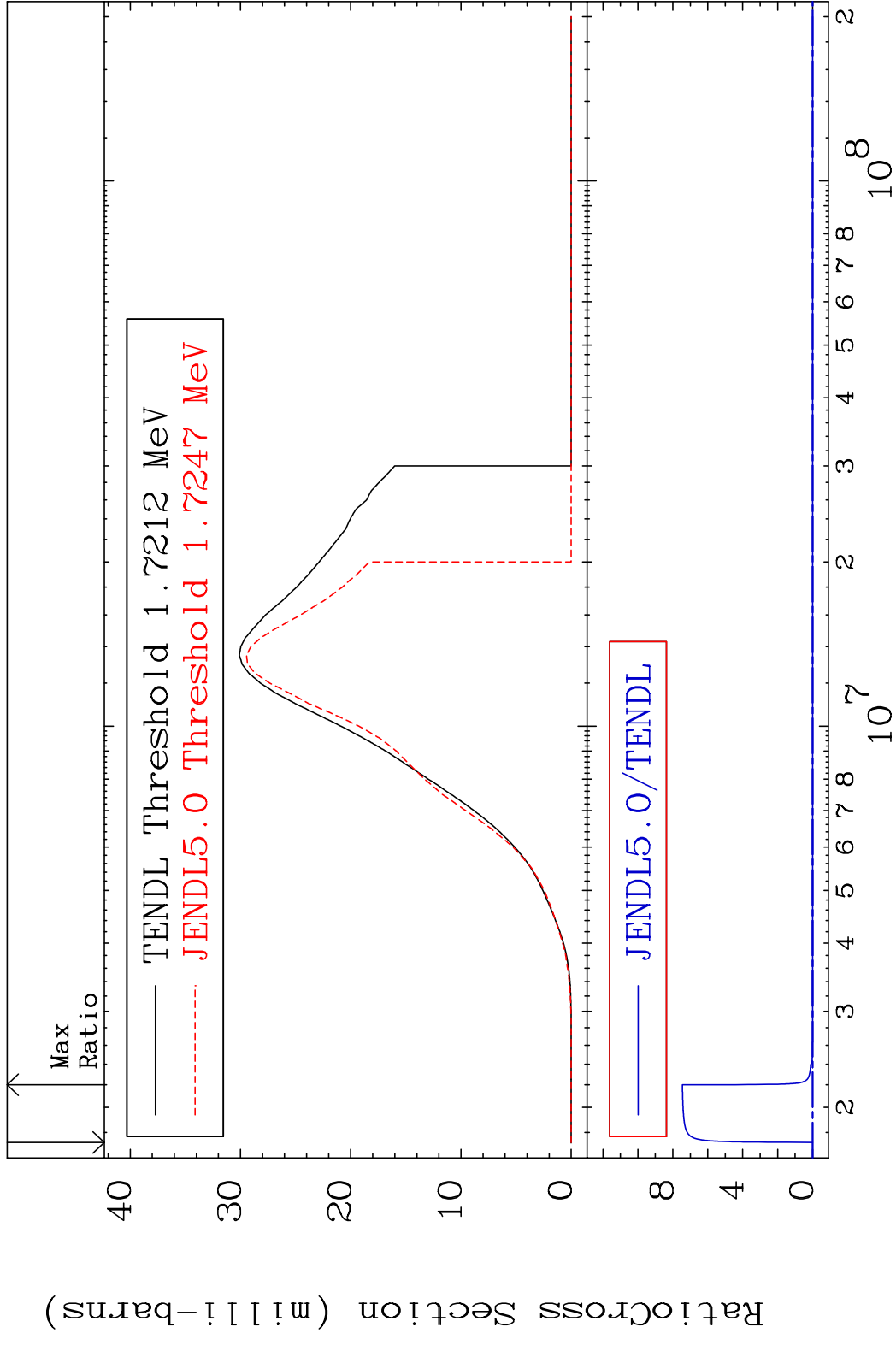


24

Incident Energy (eV)

23-V -51

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



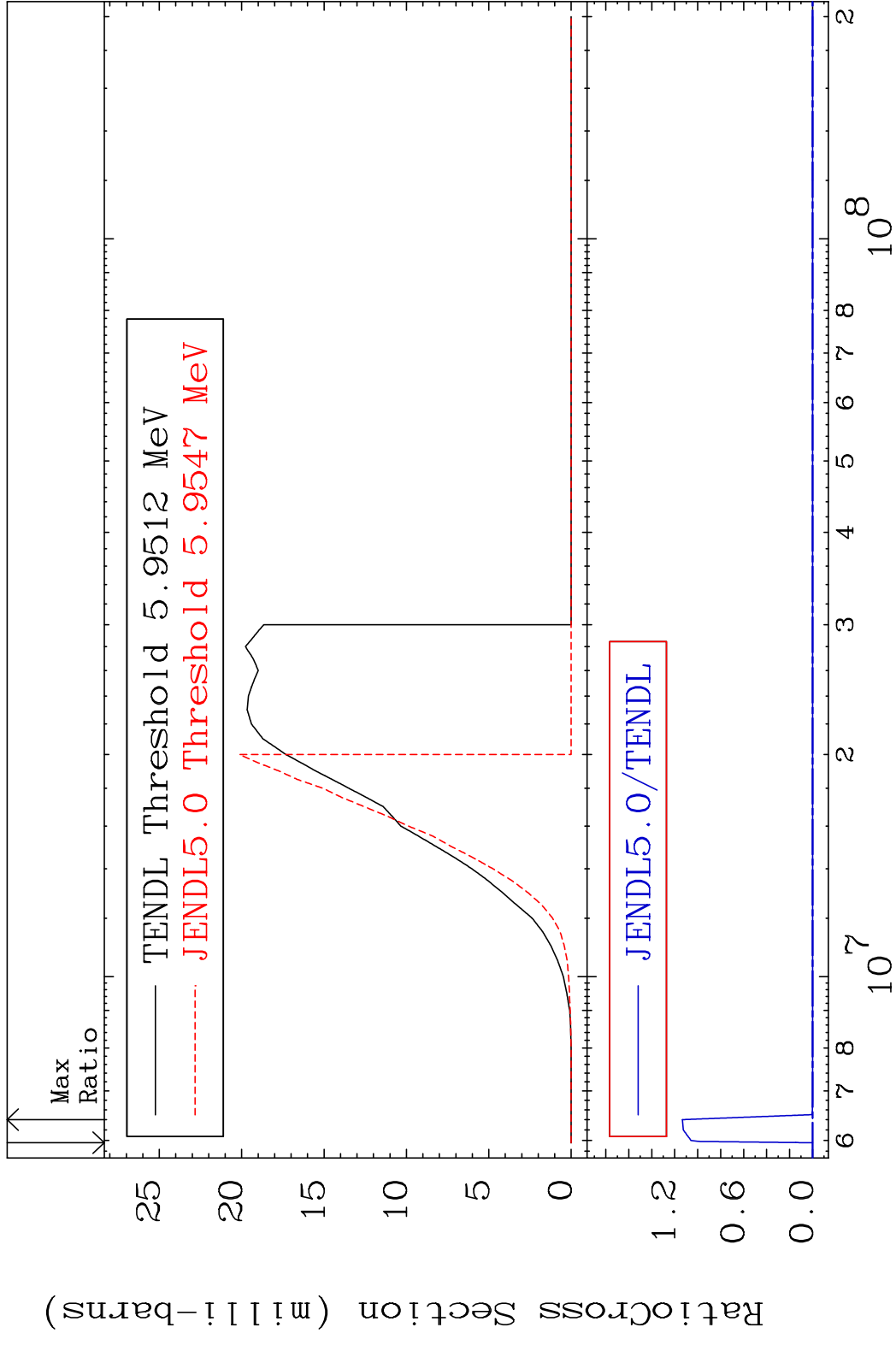
25 23-V -51

MAT 2328

(n,d)

23-V -51

Cross Section -100.0 To 9999. %

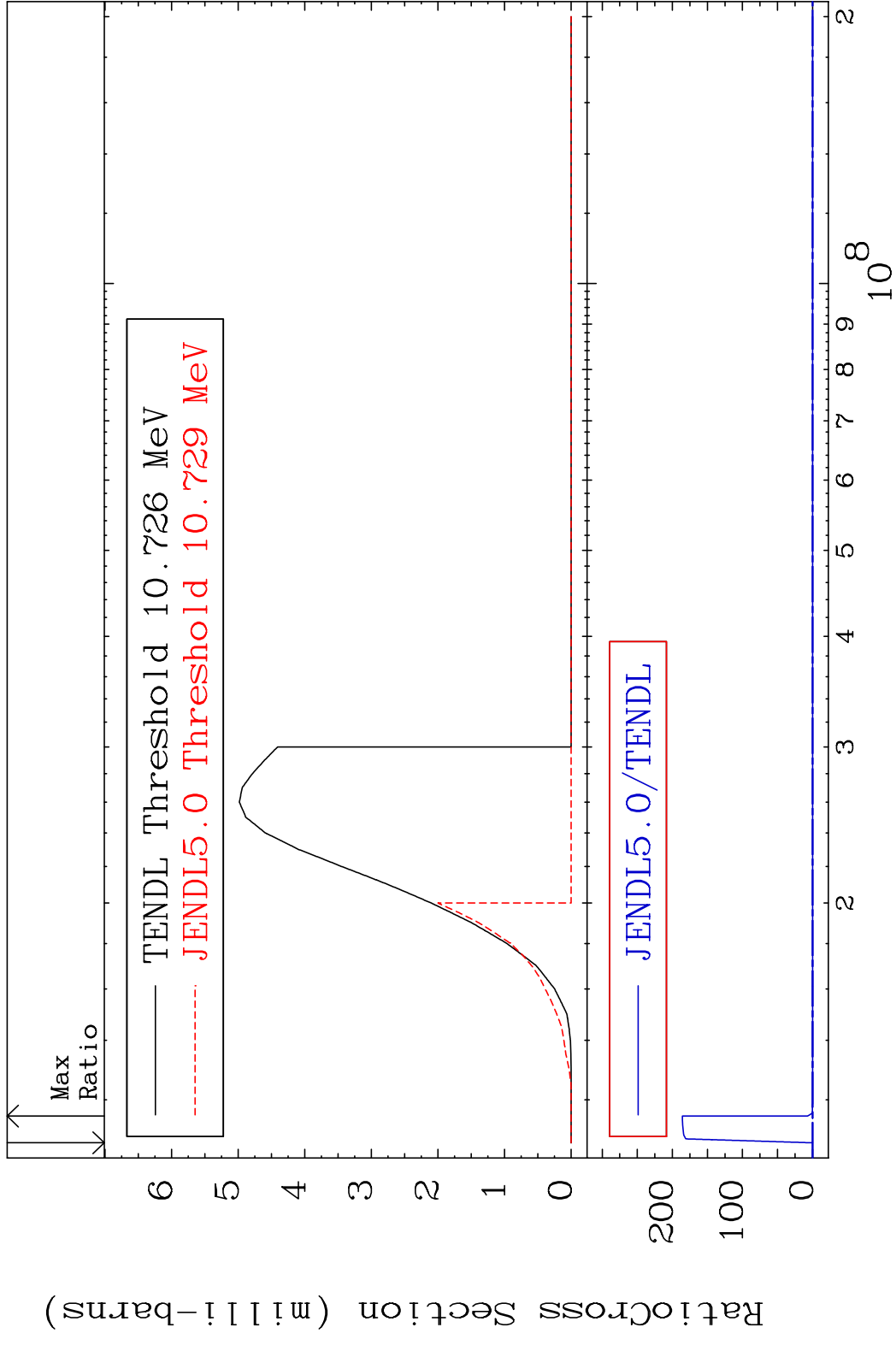


26

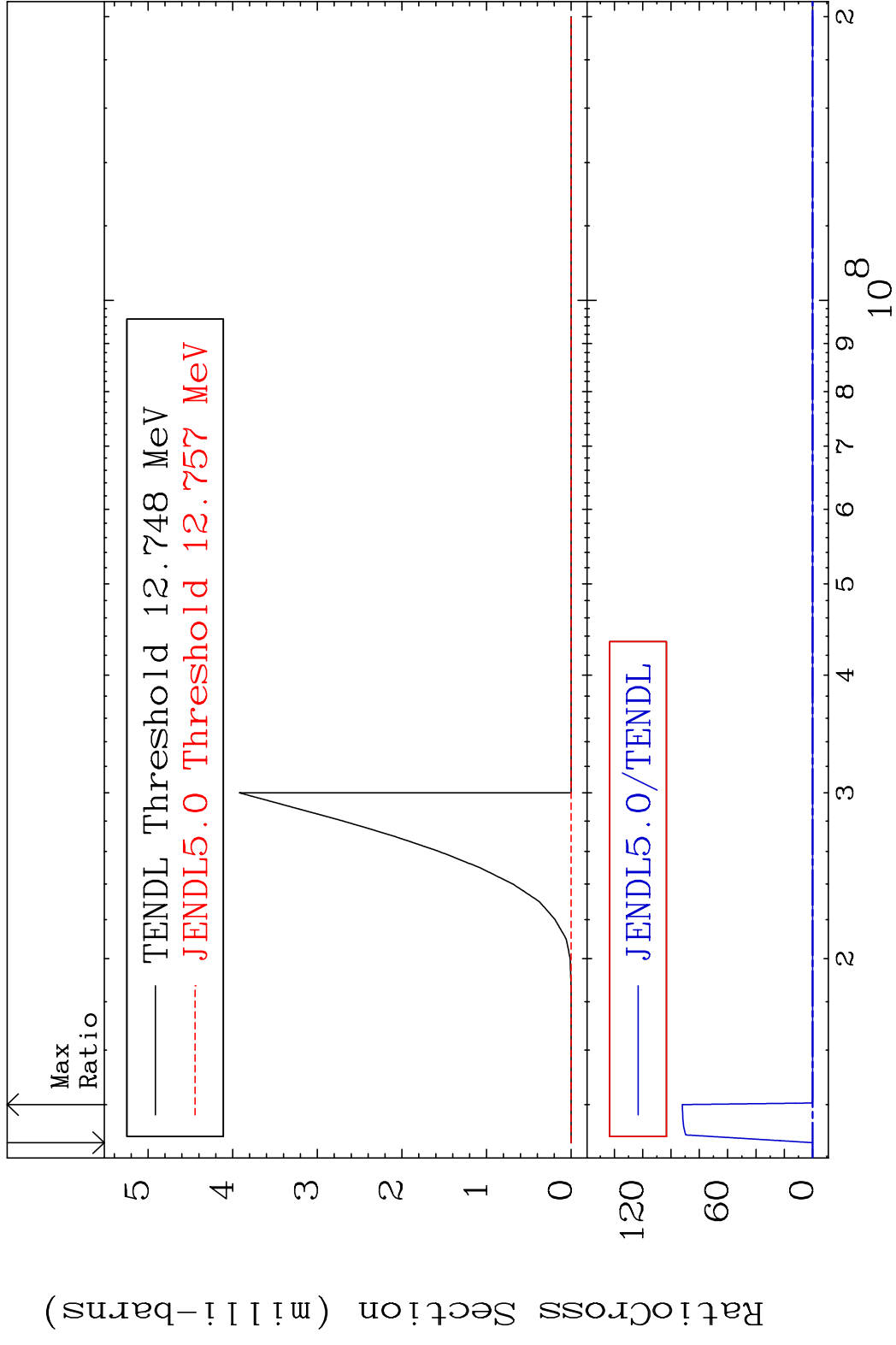
Incident Energy (eV)

23-V -51

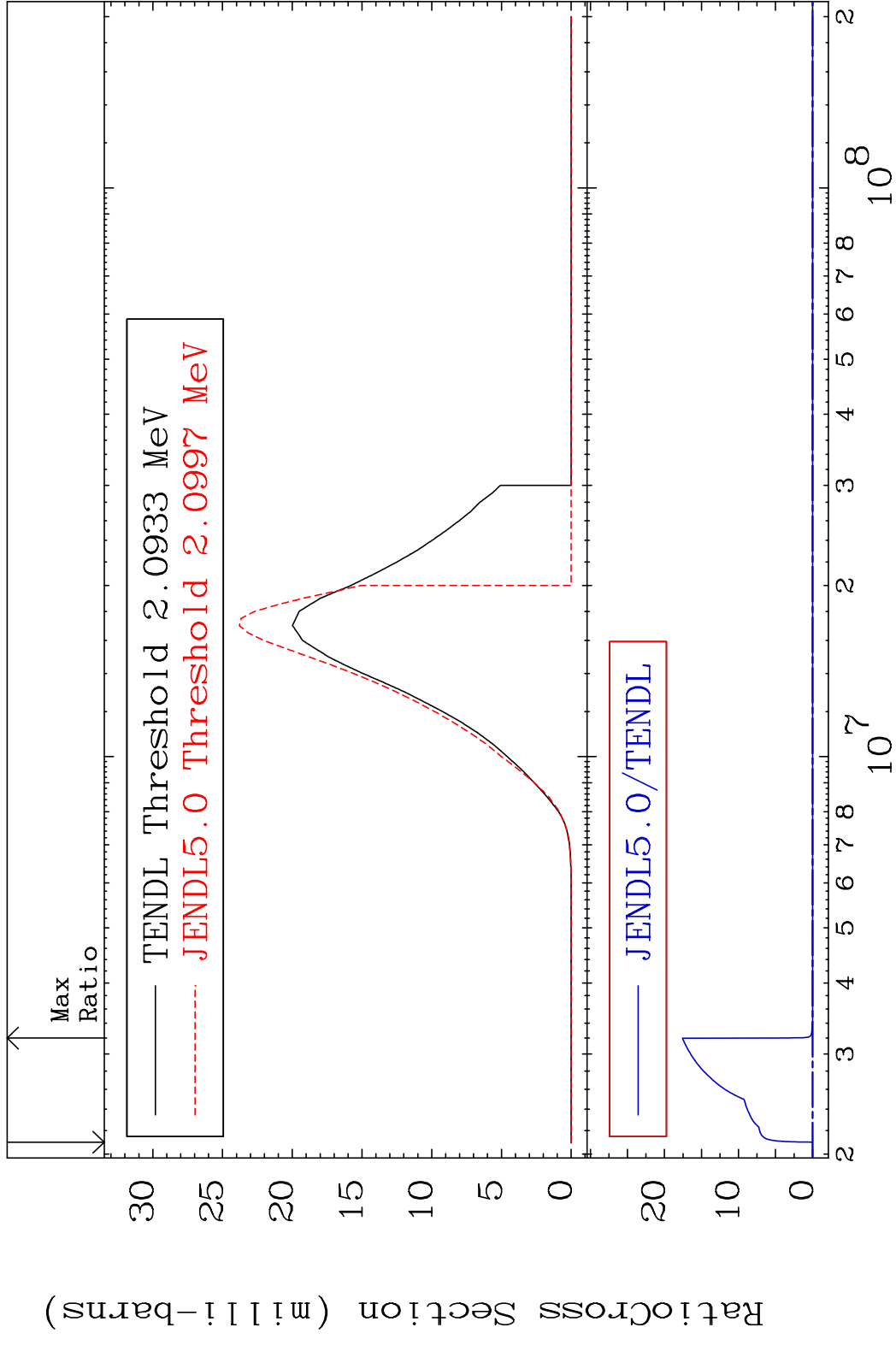
MAT 2328 (n, t) 23-V -51
 Cross Section -100.0 To 9999. %



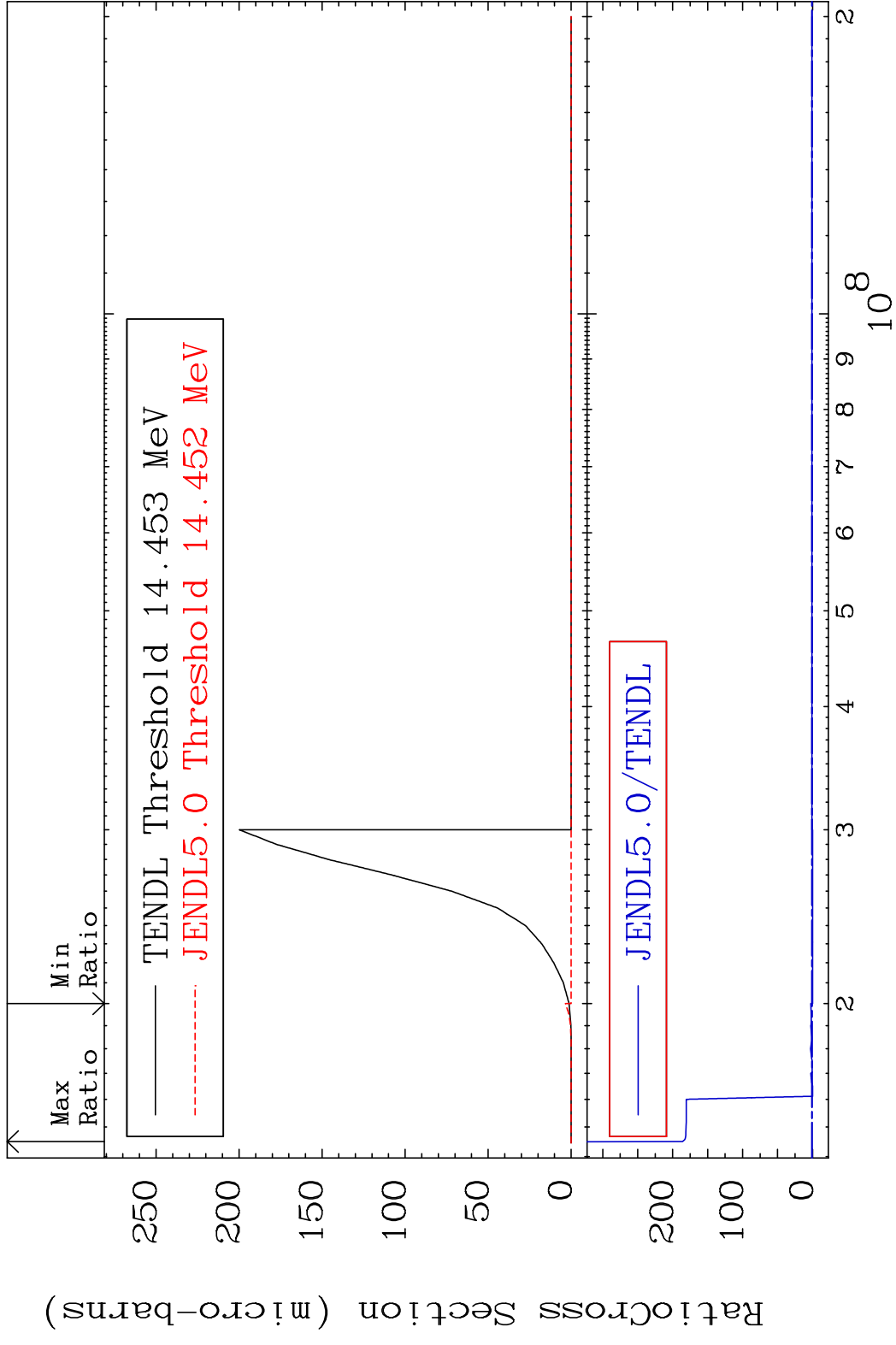
MAT 2328 (n, He-3) 23-V -51
 Cross Section -100.0 To 9999. %



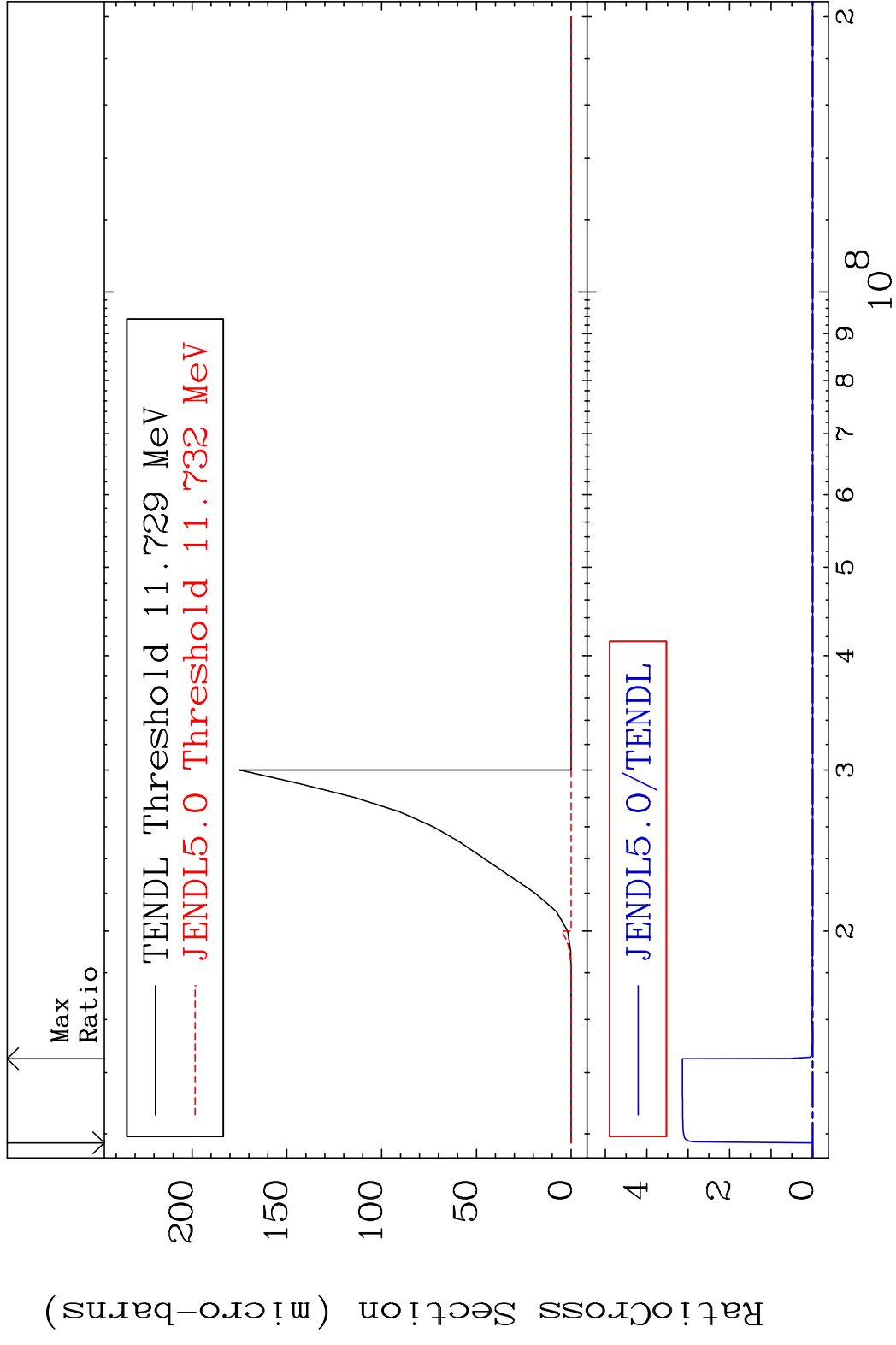
MAT 2328 (n, α) 23-V -51
 Cross Section -100.0 To 9999. %



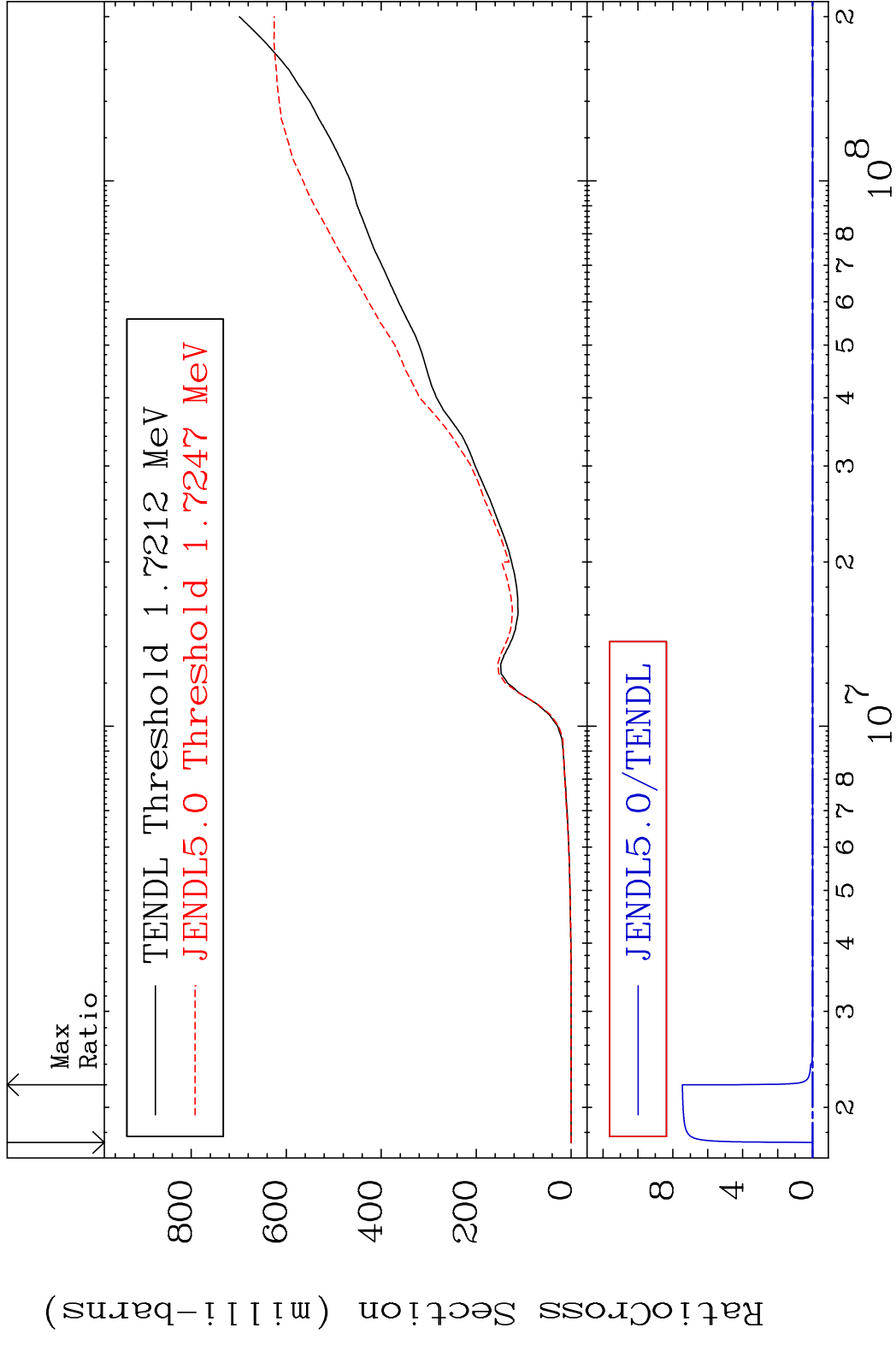
MAT 2328 (n,2p) 23-V -51
 Cross Section -100.0 To 9999. %



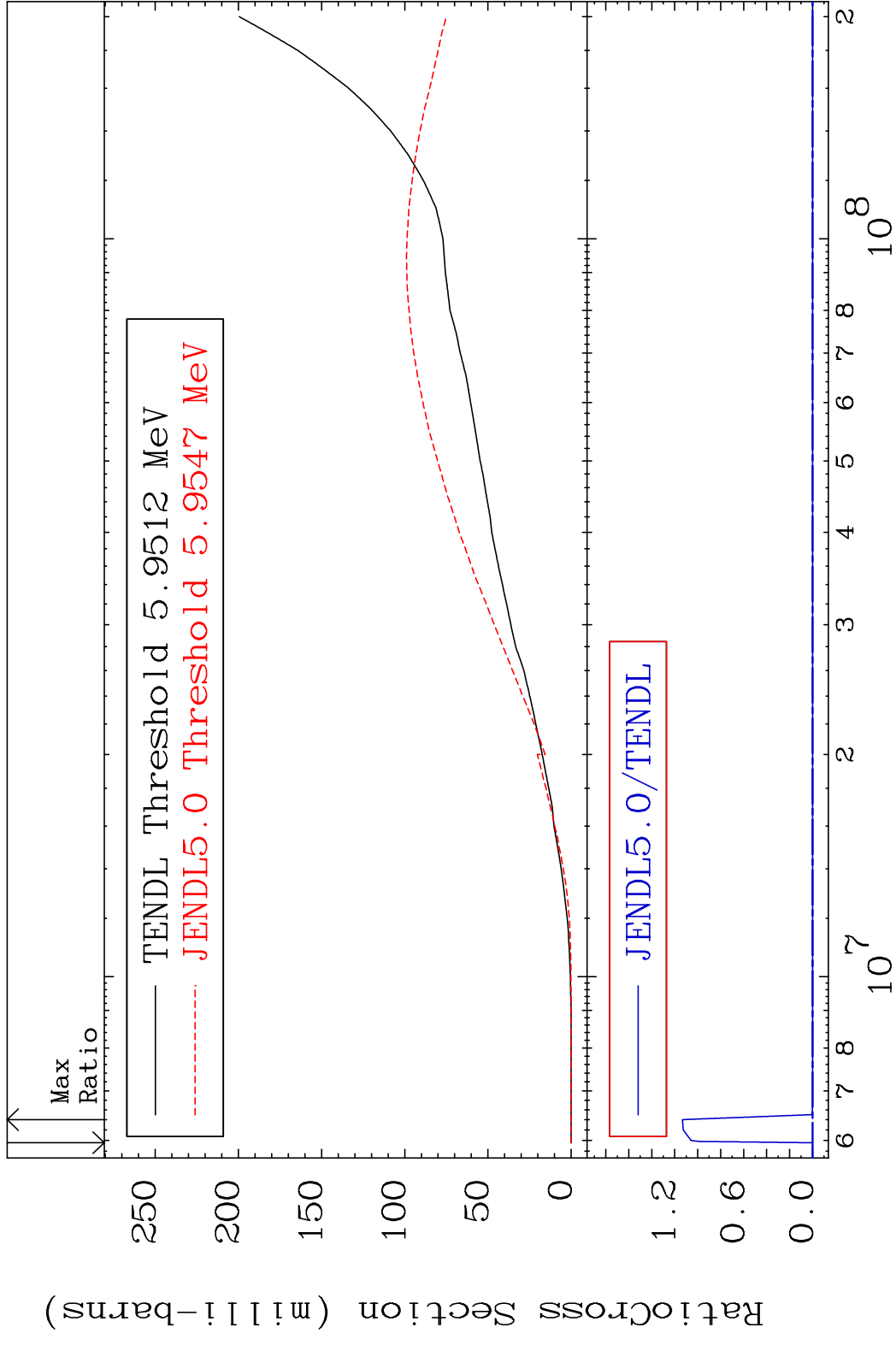
MAT 2328 (n,p) α 23-V -51
 Cross Section -100.0 To 9999. %



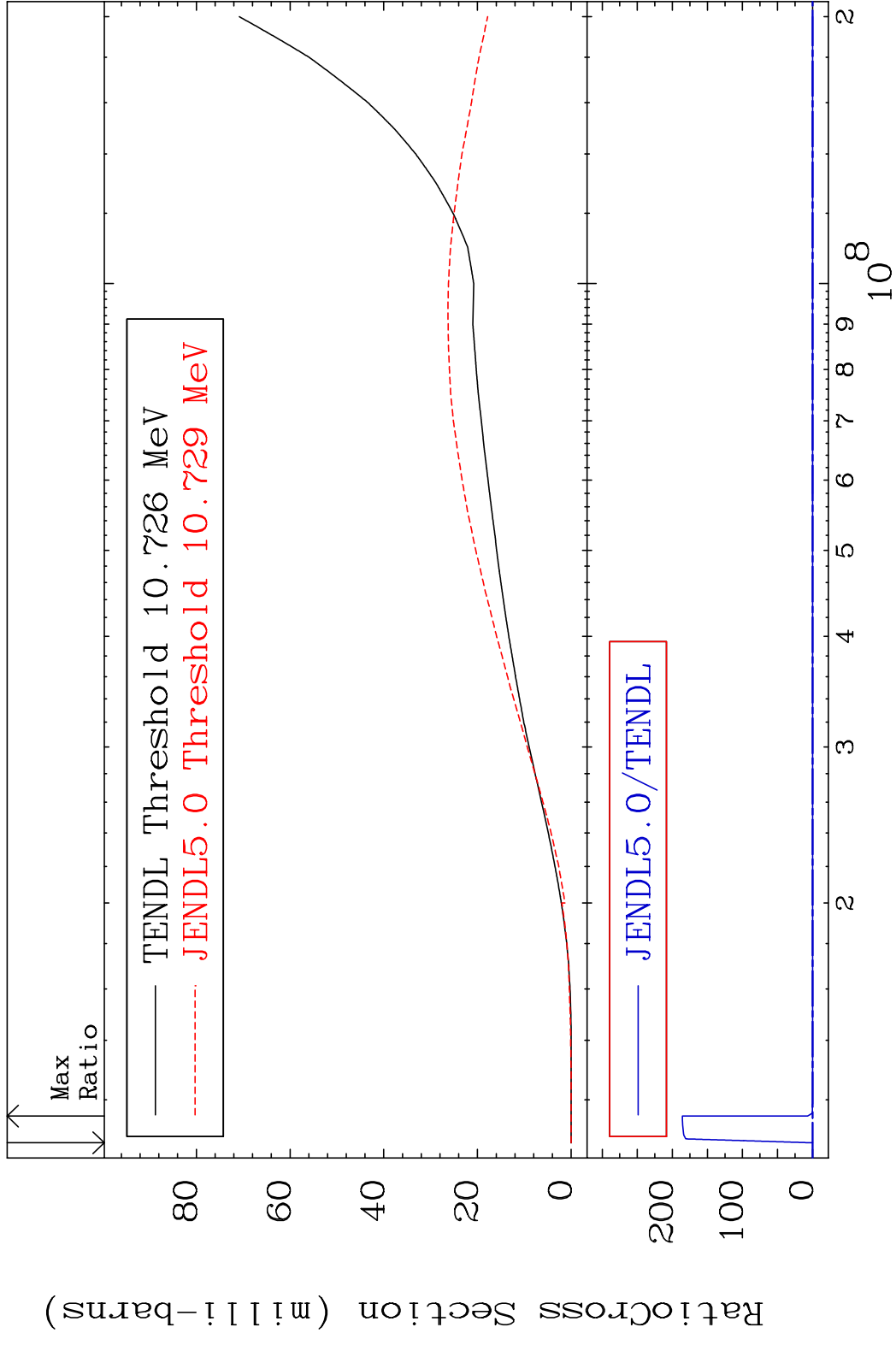
MAT 2328 Hydrogen Production 23-V -51
 Cross Section -100.0 To 9999. %



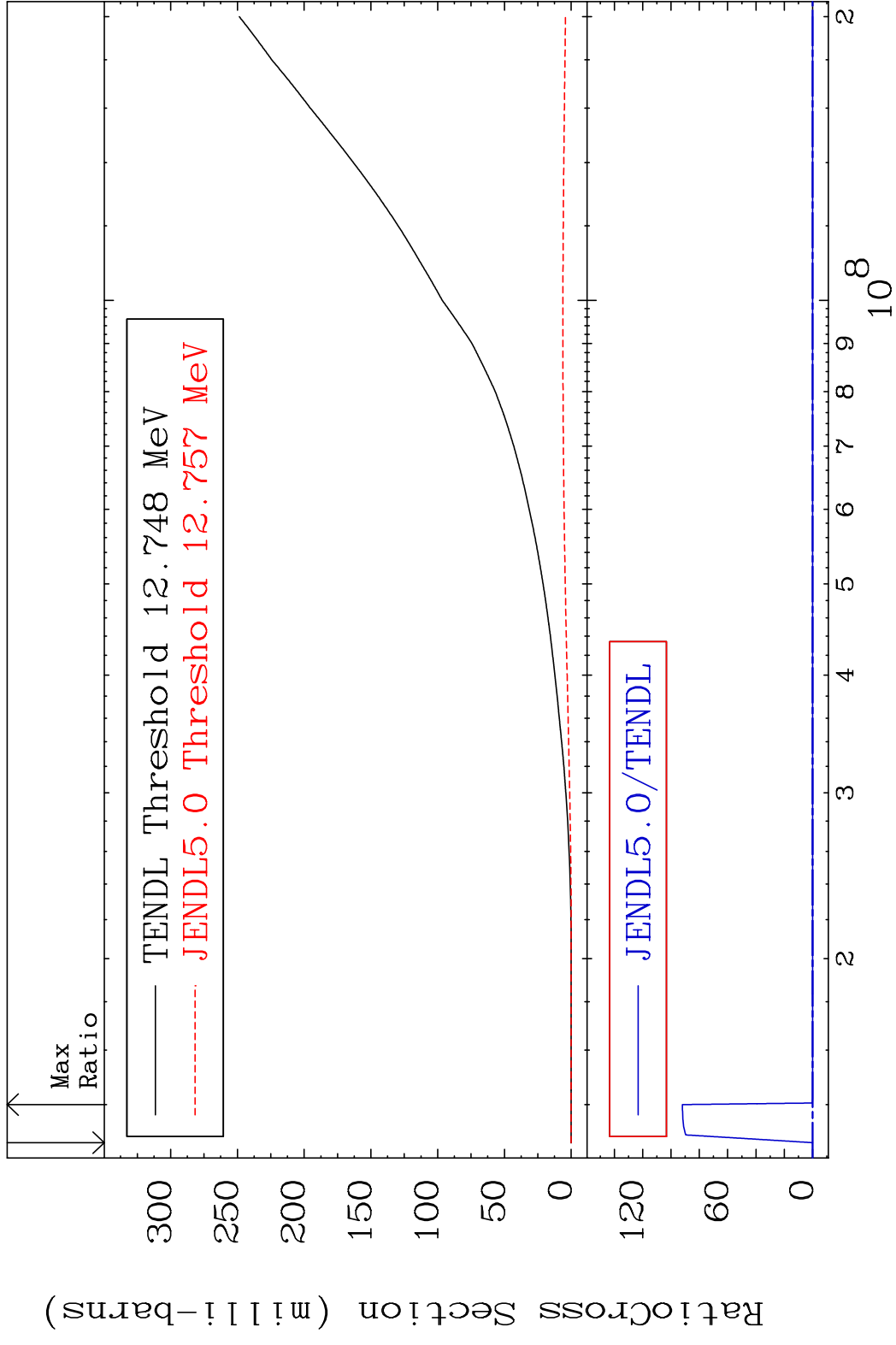
MAT 2328 Deuterium Production 23-V -51
 Cross Section -100.0 To 9999. %



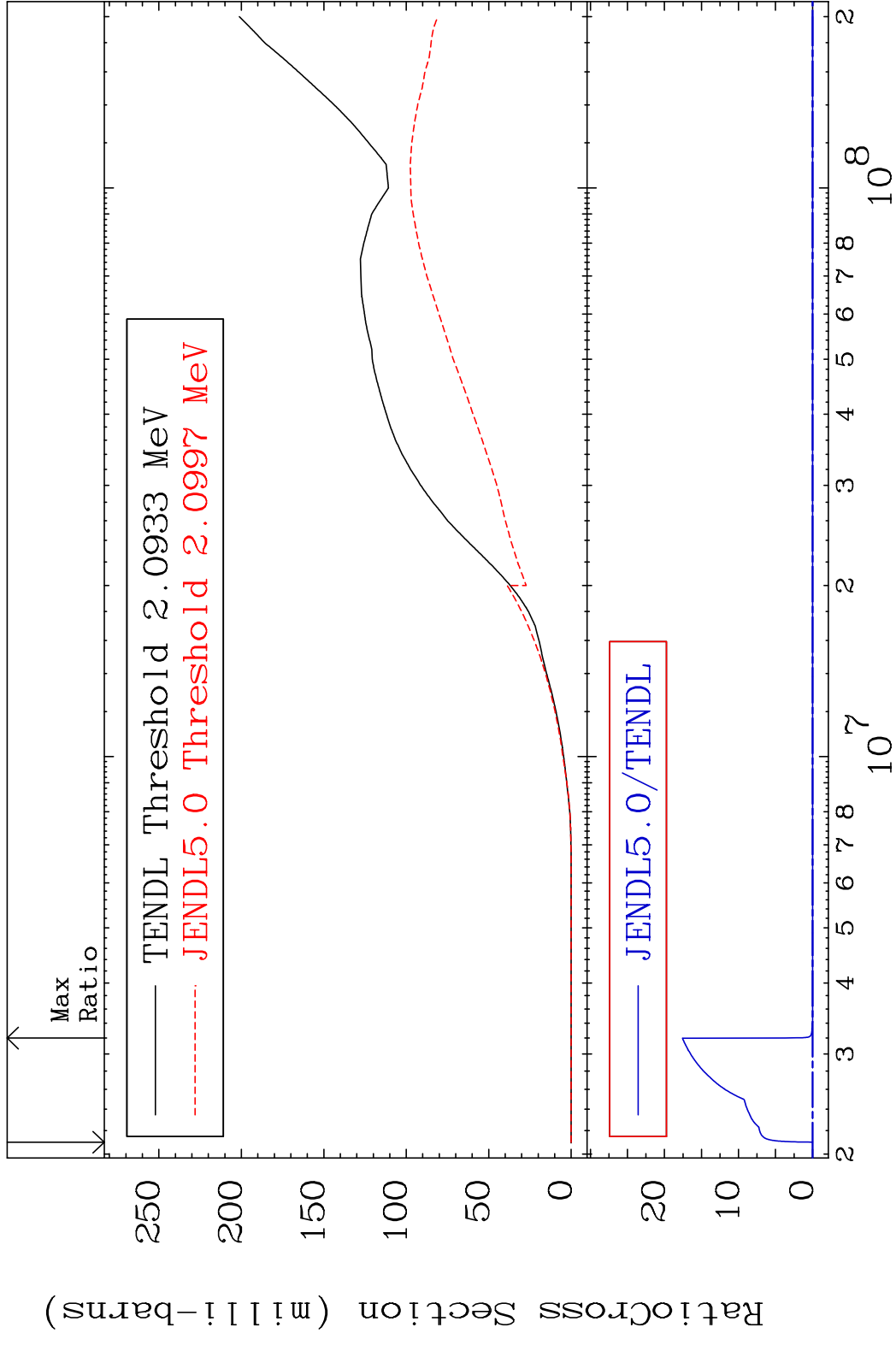
MAT 2328 Tritium Production 23-V -51
 Cross Section -100.0 To 9999. %



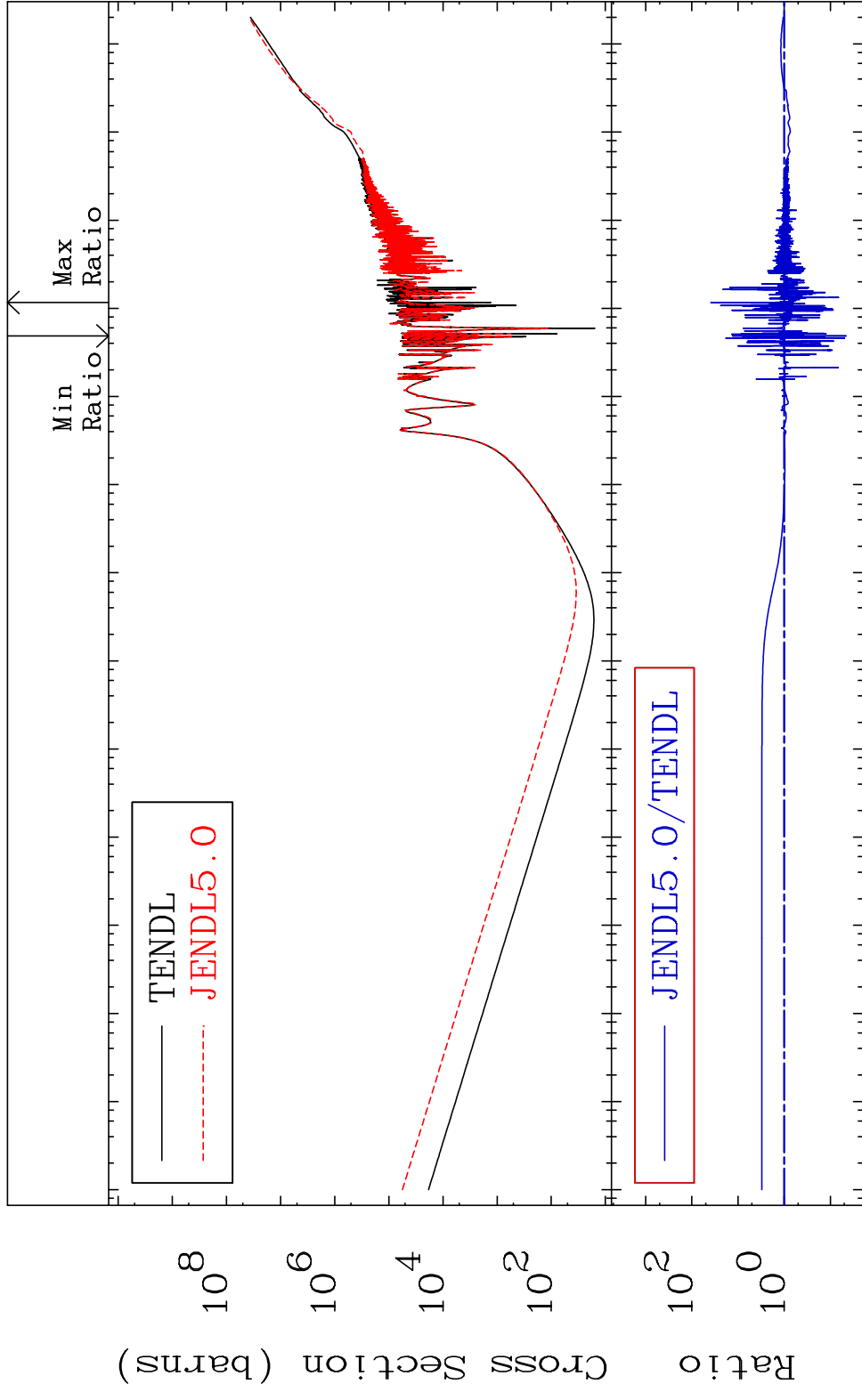
MAT 2328 He-3 Production 23-V -51
 Cross Section -100.0 To 9999. %



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. %

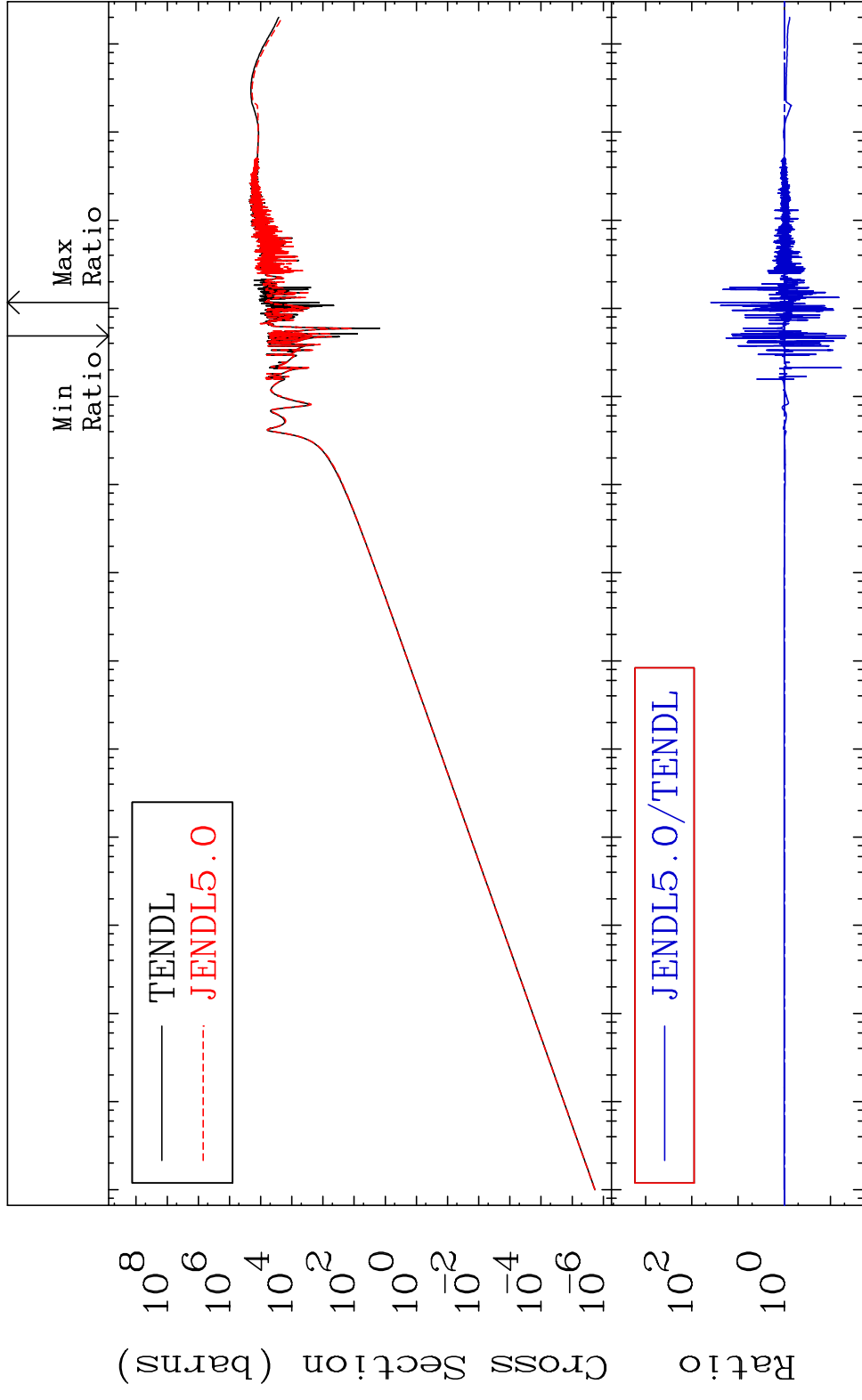


37 Incident Energy (eV) 23-V -51

MAT 2328

Kerma elastic
Cross Section -95.46 To 3809. %

23-V -51



Ratio
10⁸
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸

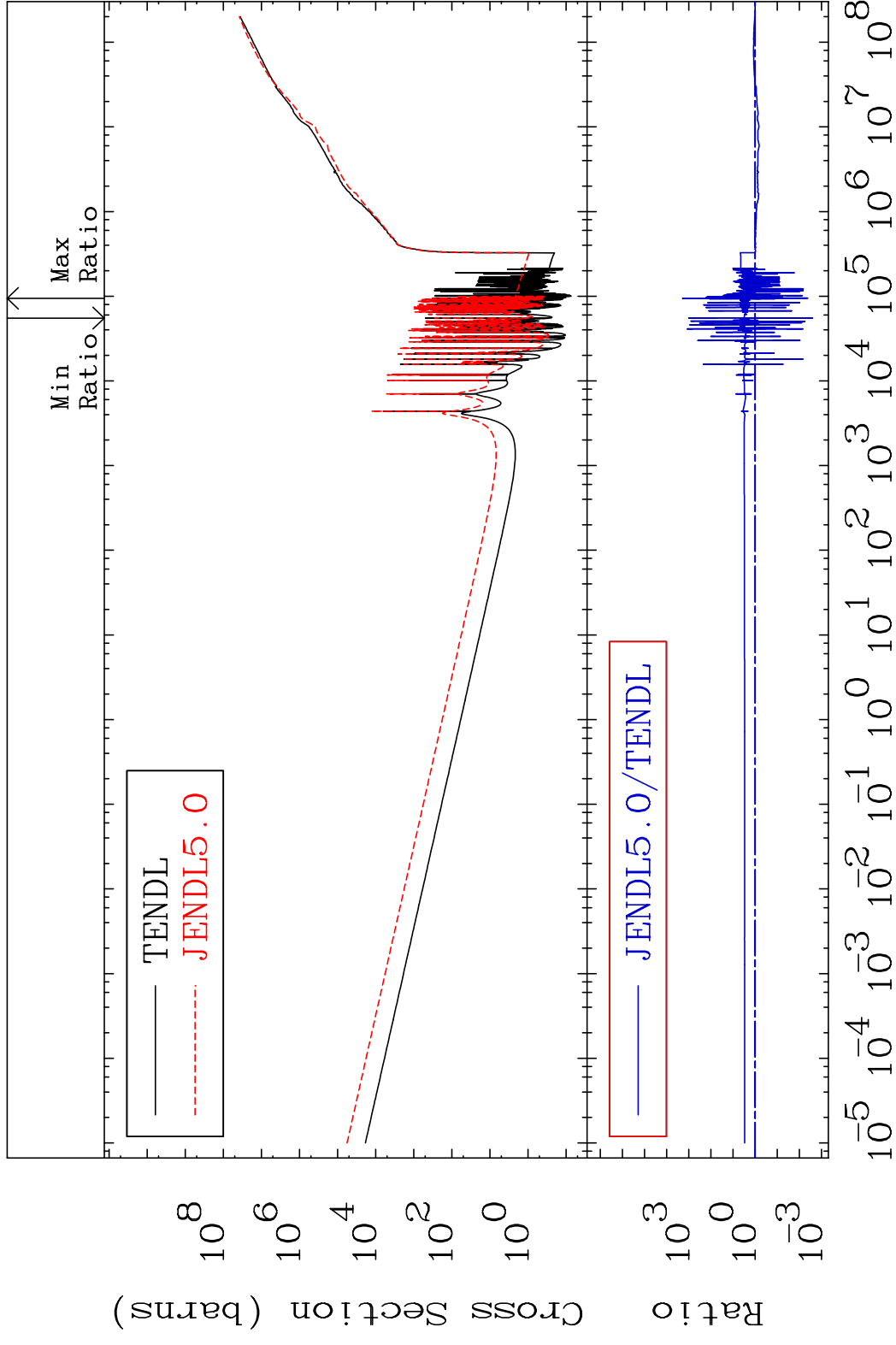
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

38

Incident Energy (eV)

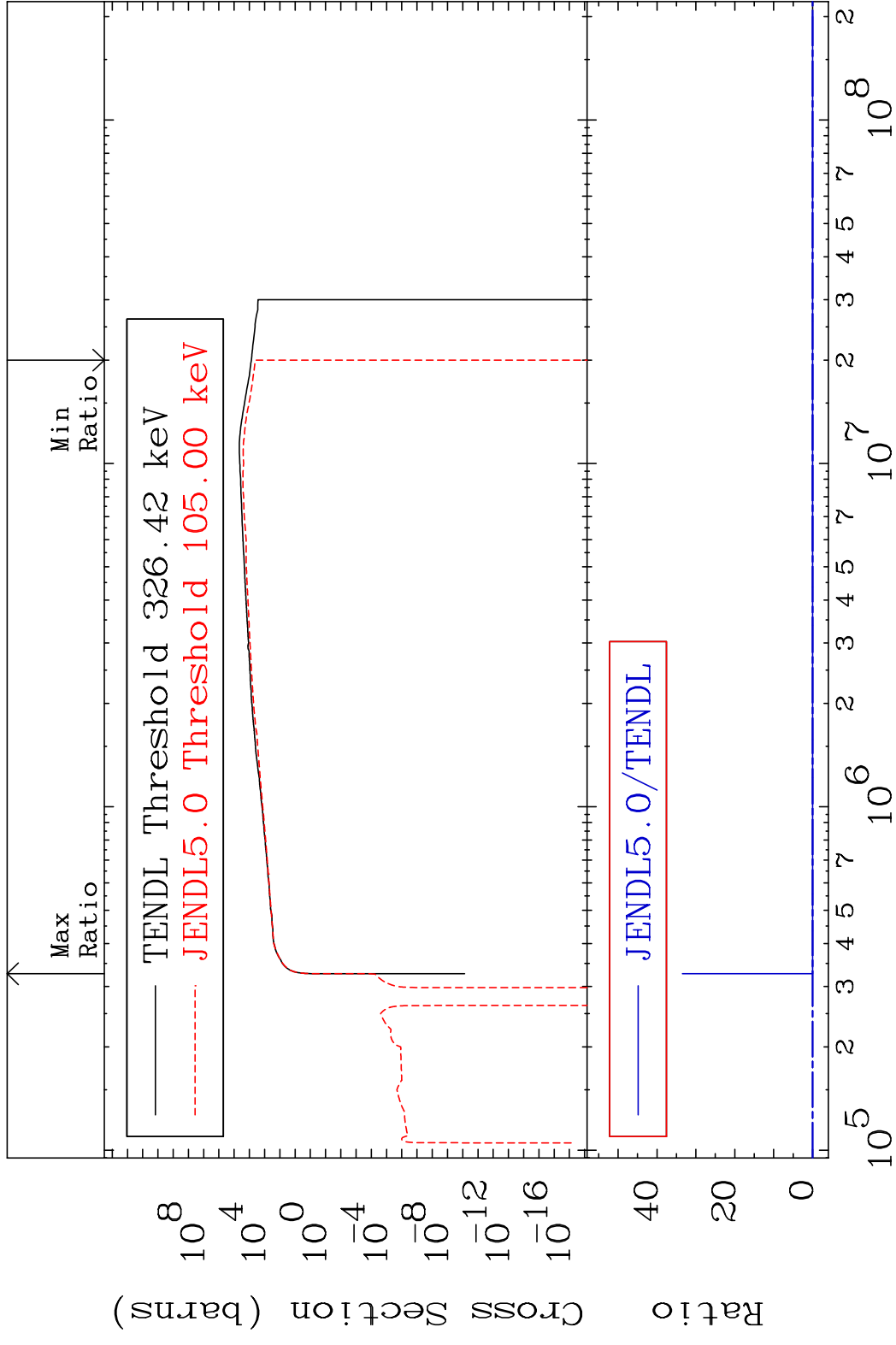
23-V -51

MAT 2328 Kerma non-elastic (all but mt2) 23-V -51
 Cross Section -99.74 To 9999. %



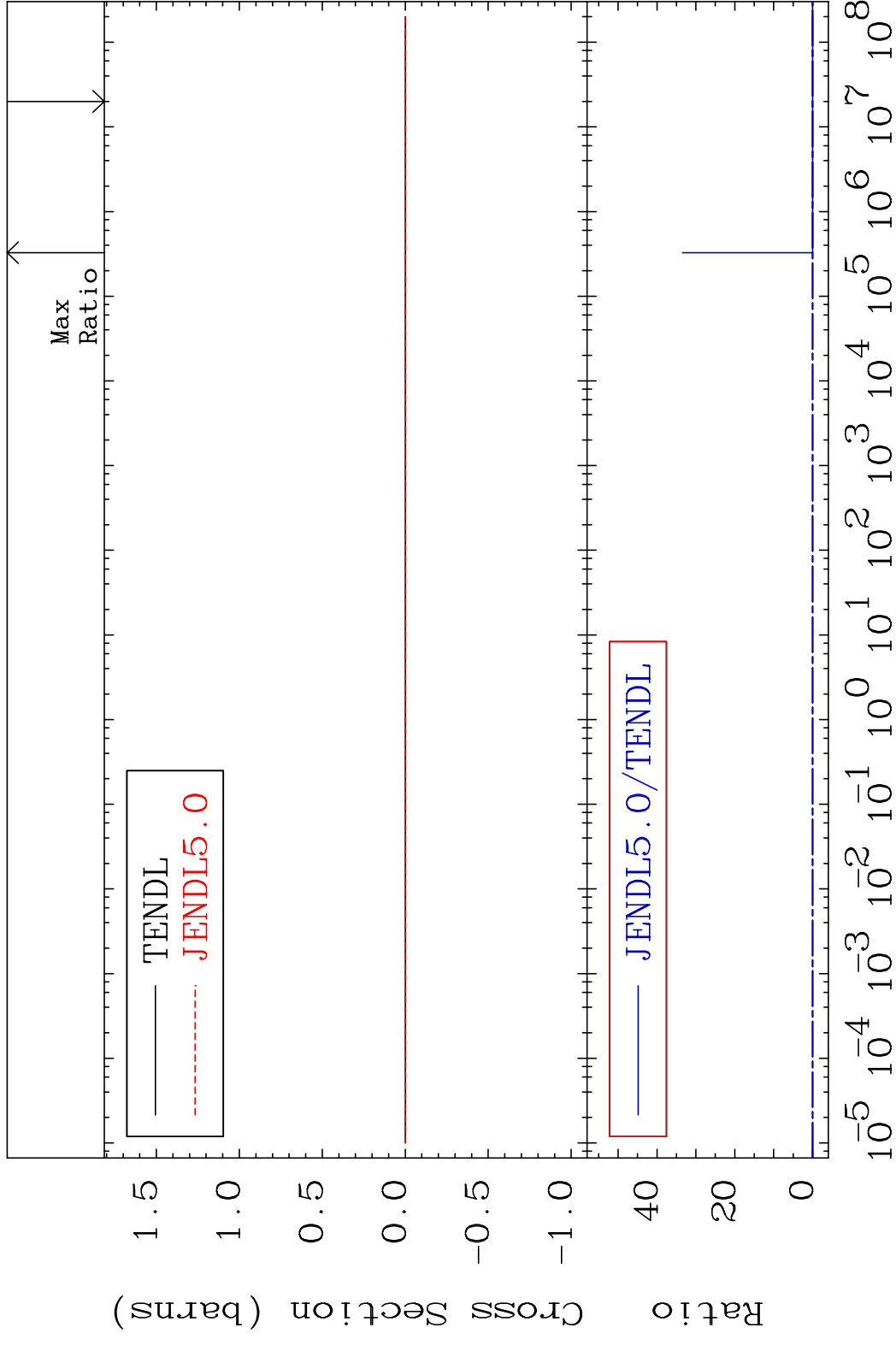
39 Incident Energy (eV) 23-V -51

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

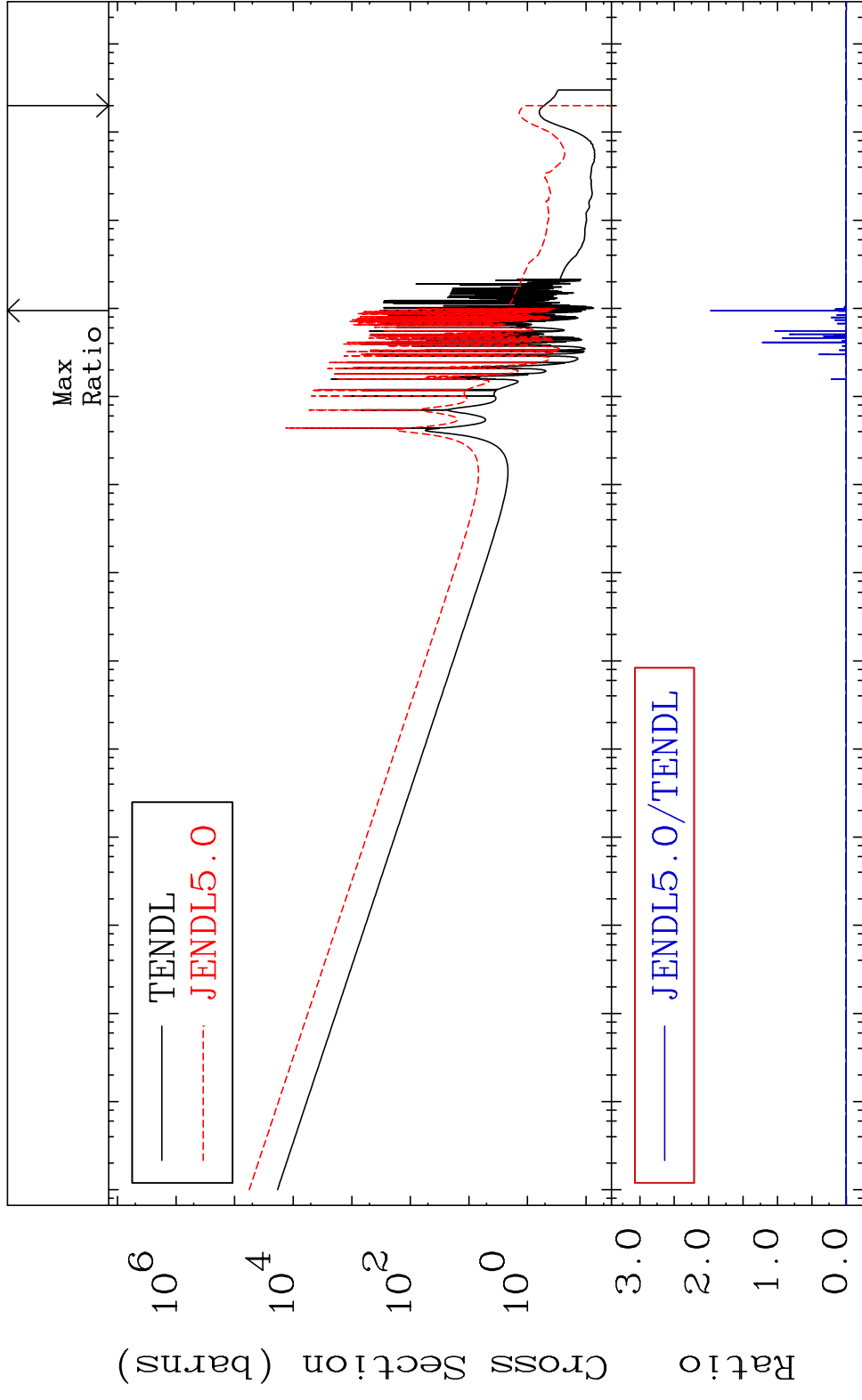


40 Incident Energy (eV) 23-V -51

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

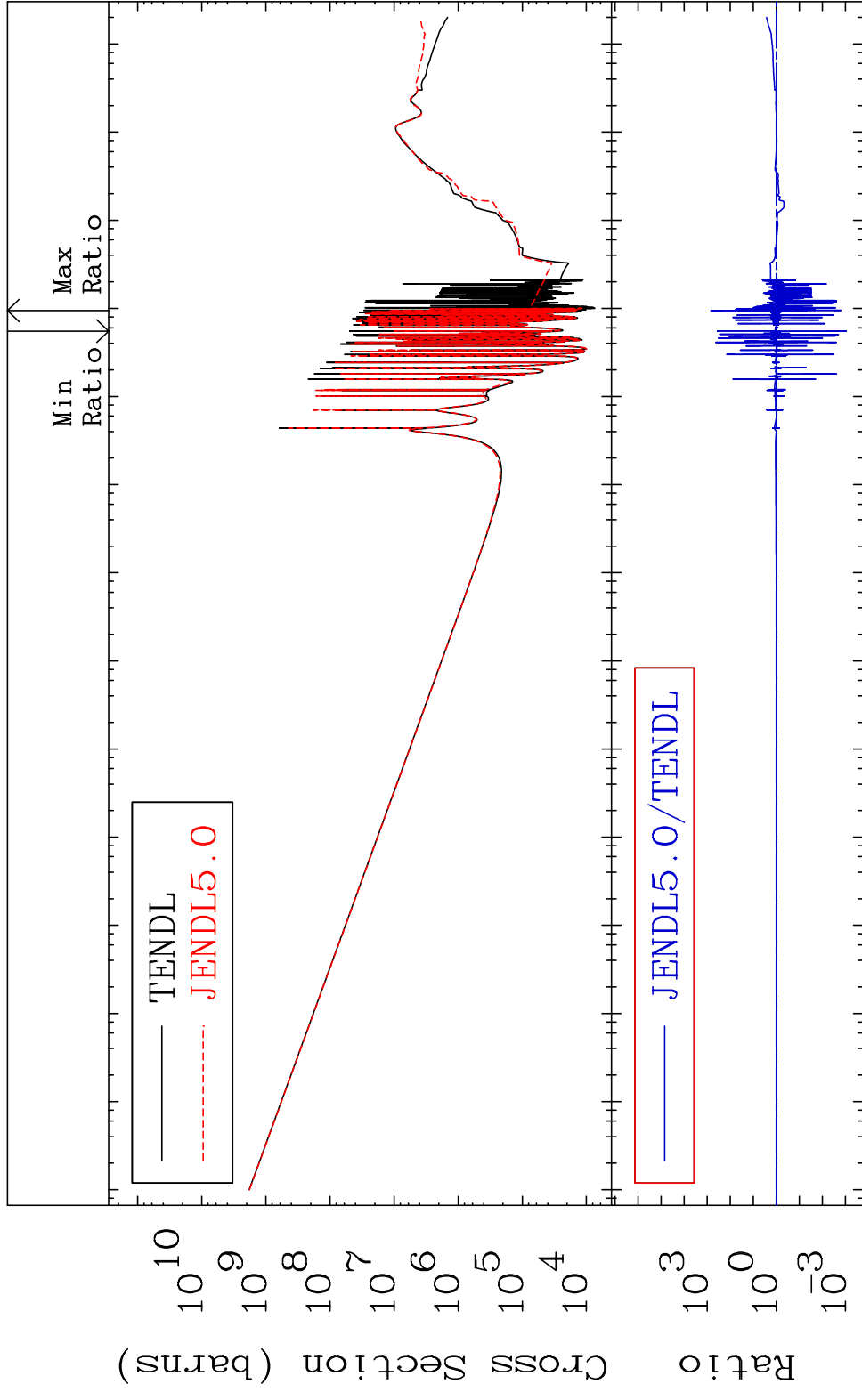


MAT 2328 Kerma capture (mt102) 23-V -51
 Cross Section -100.0 To 9999. %



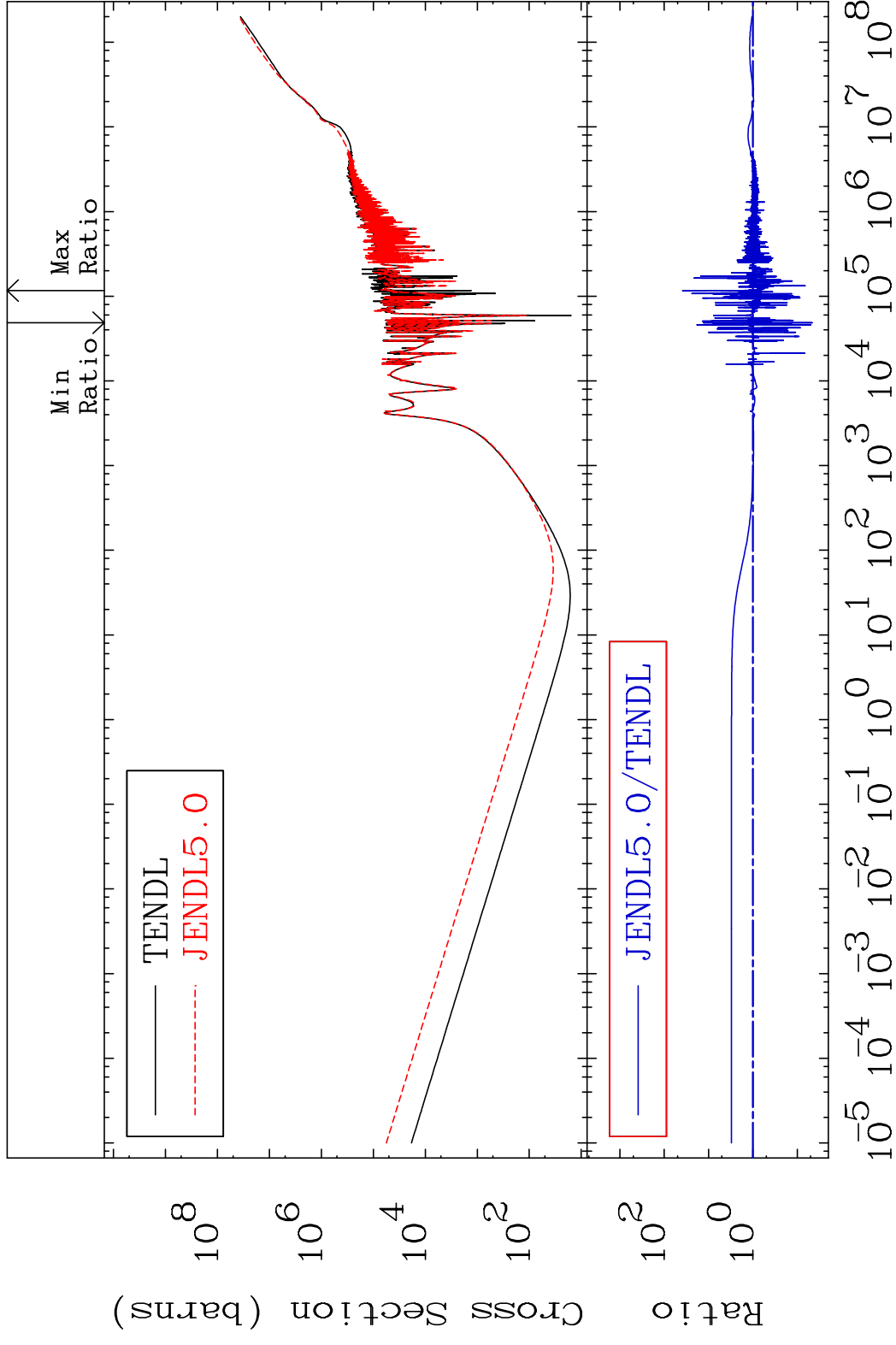
42 Incident Energy (eV) 23-V -51

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

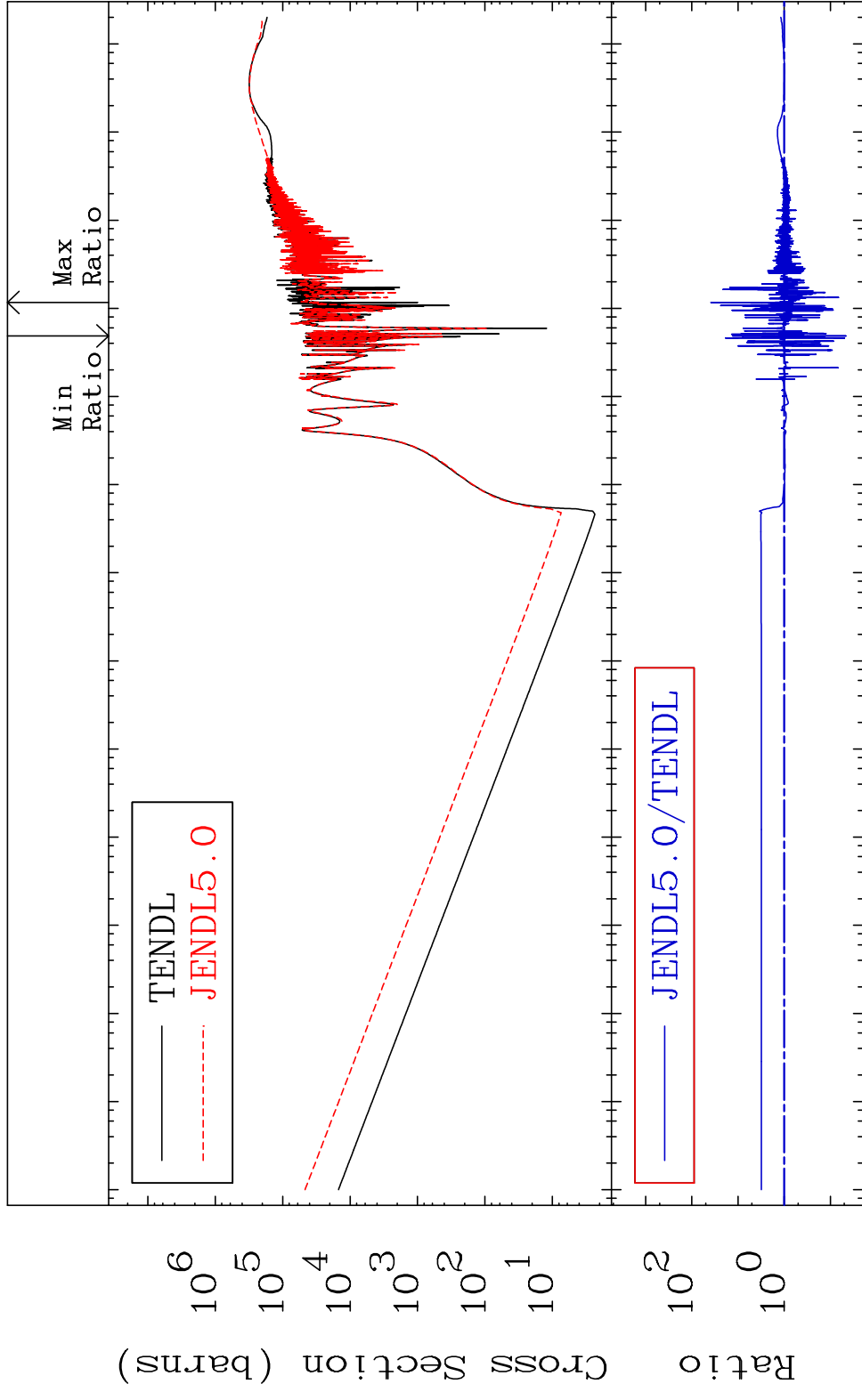


43 Incident Energy (eV) 23-V -51

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. %



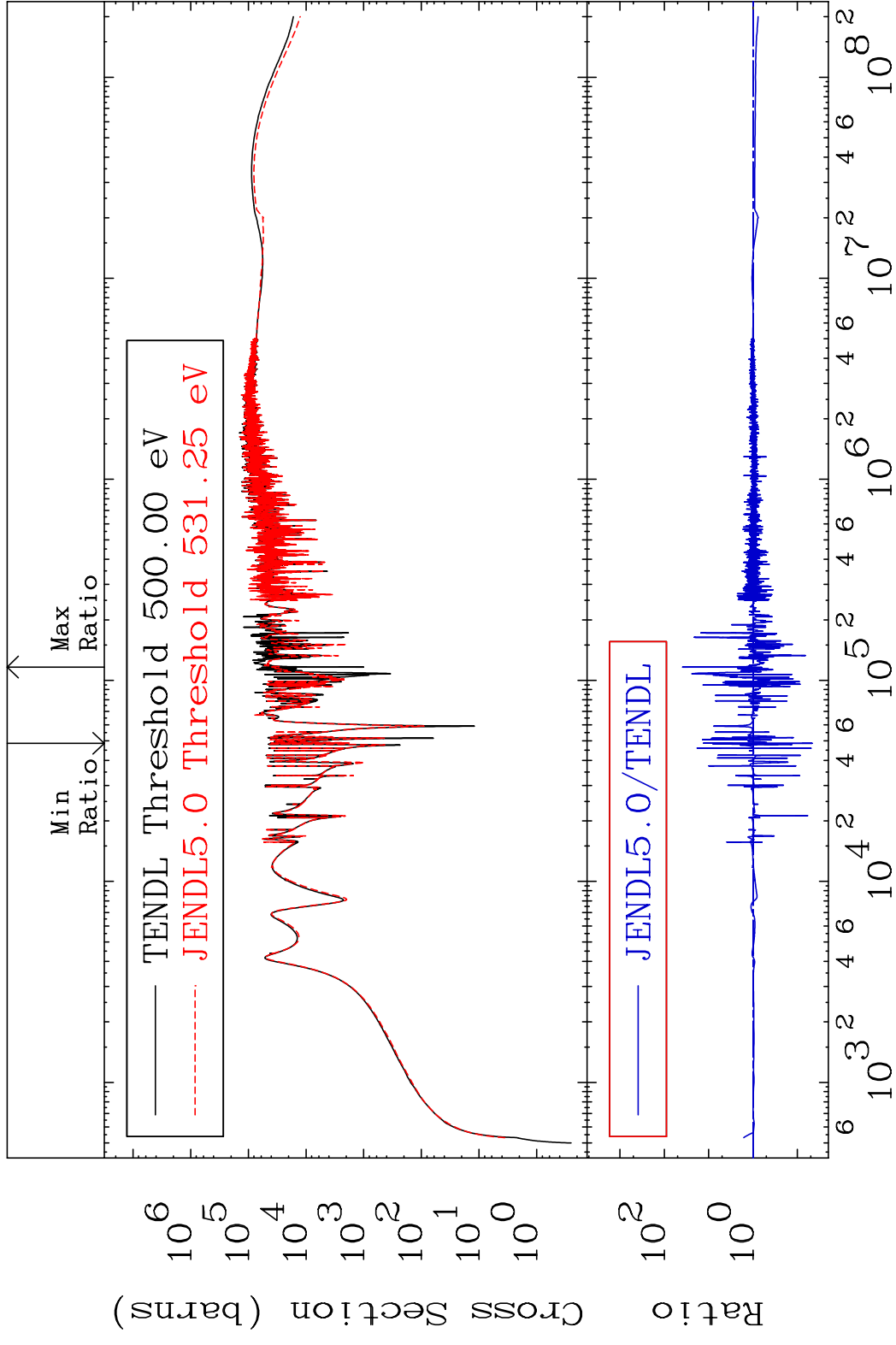
45 Incident Energy (eV) 23-V -51

MAT 2328

Dpa elastic (mt2)

23-V -51

Cross Section -95.46 To 3809. %

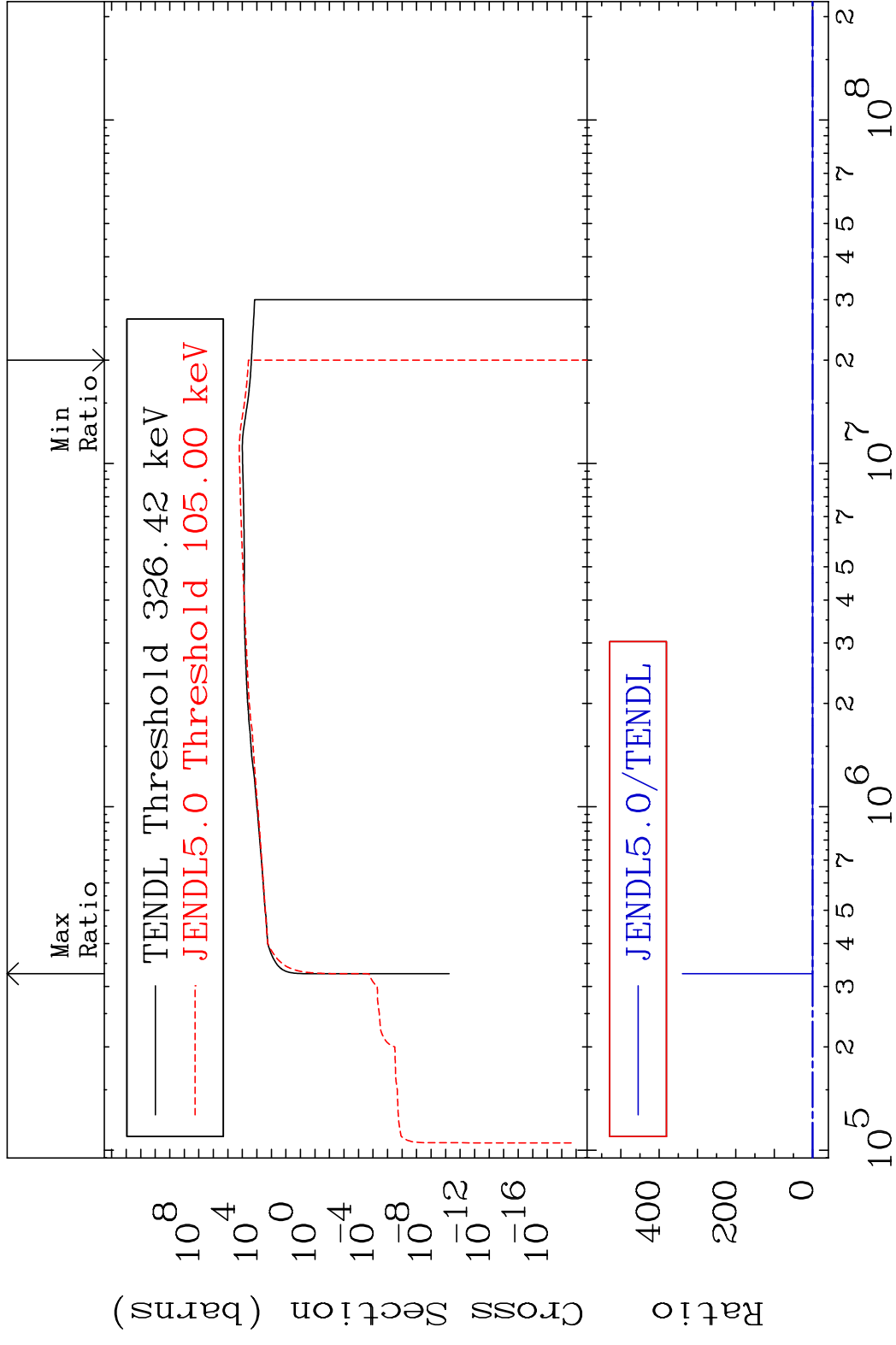


46

Incident Energy (eV)

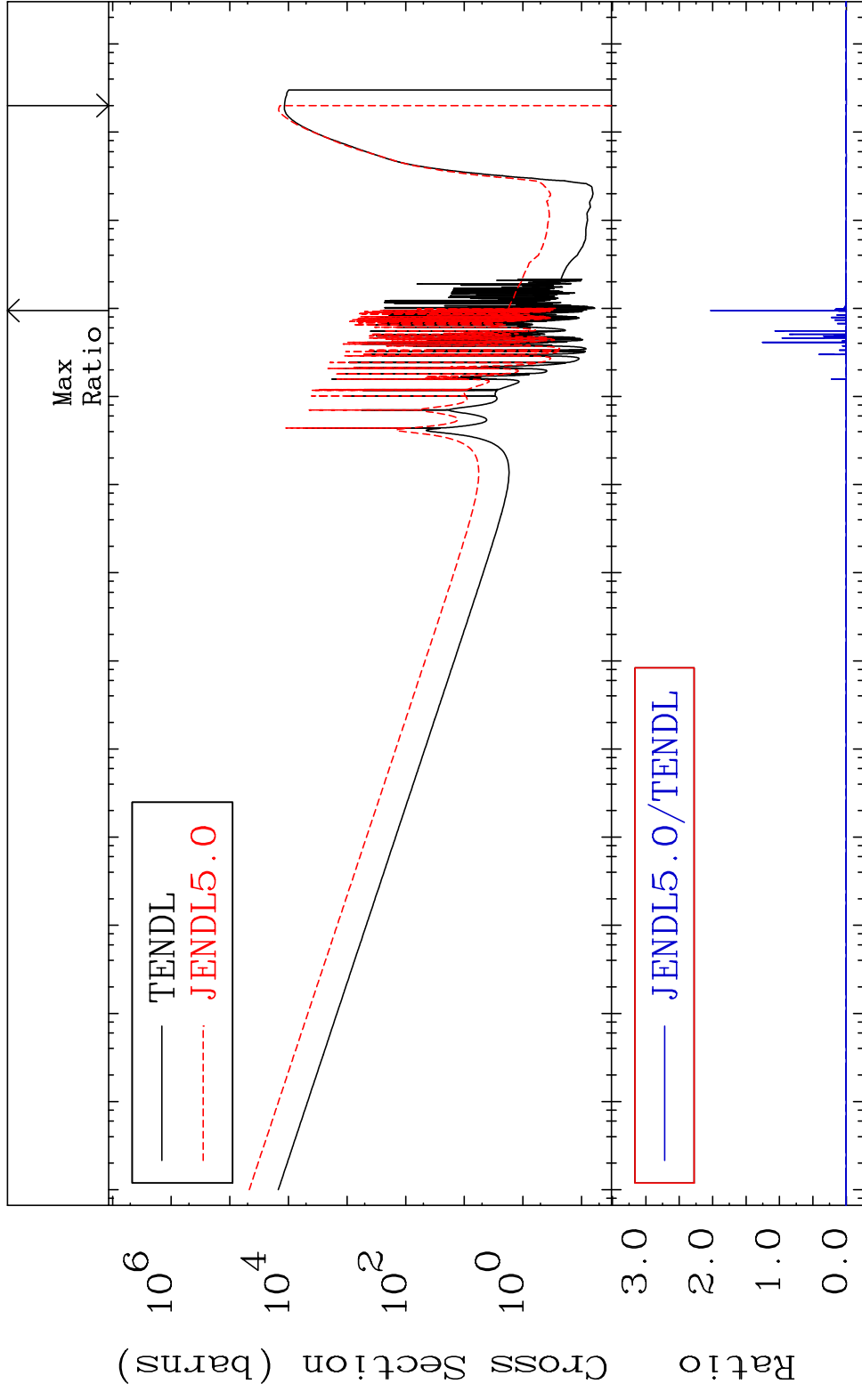
23-V -51

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



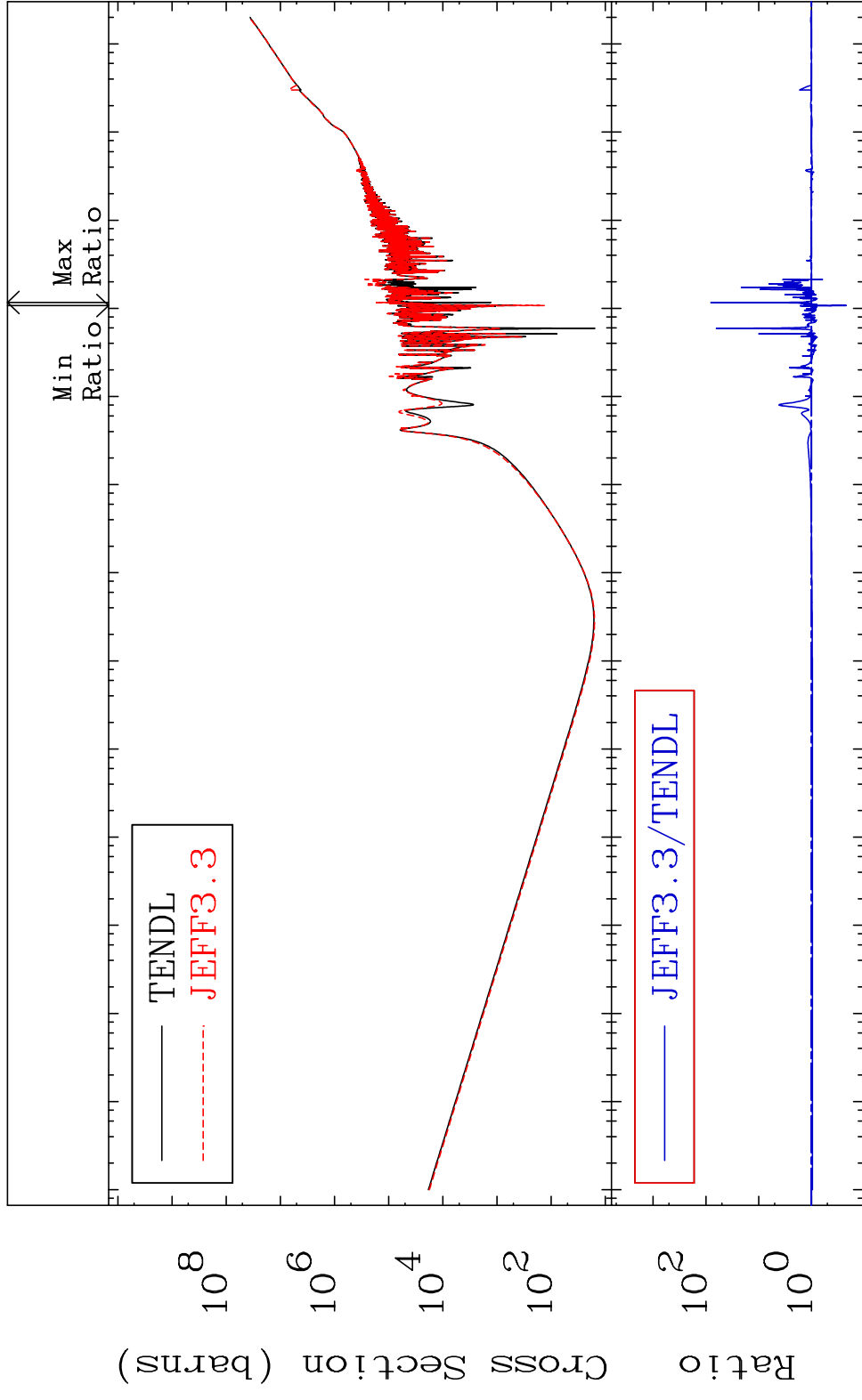
47 Incident Energy (eV) 23-V -51

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



48 Incident Energy (eV) 23-V -51

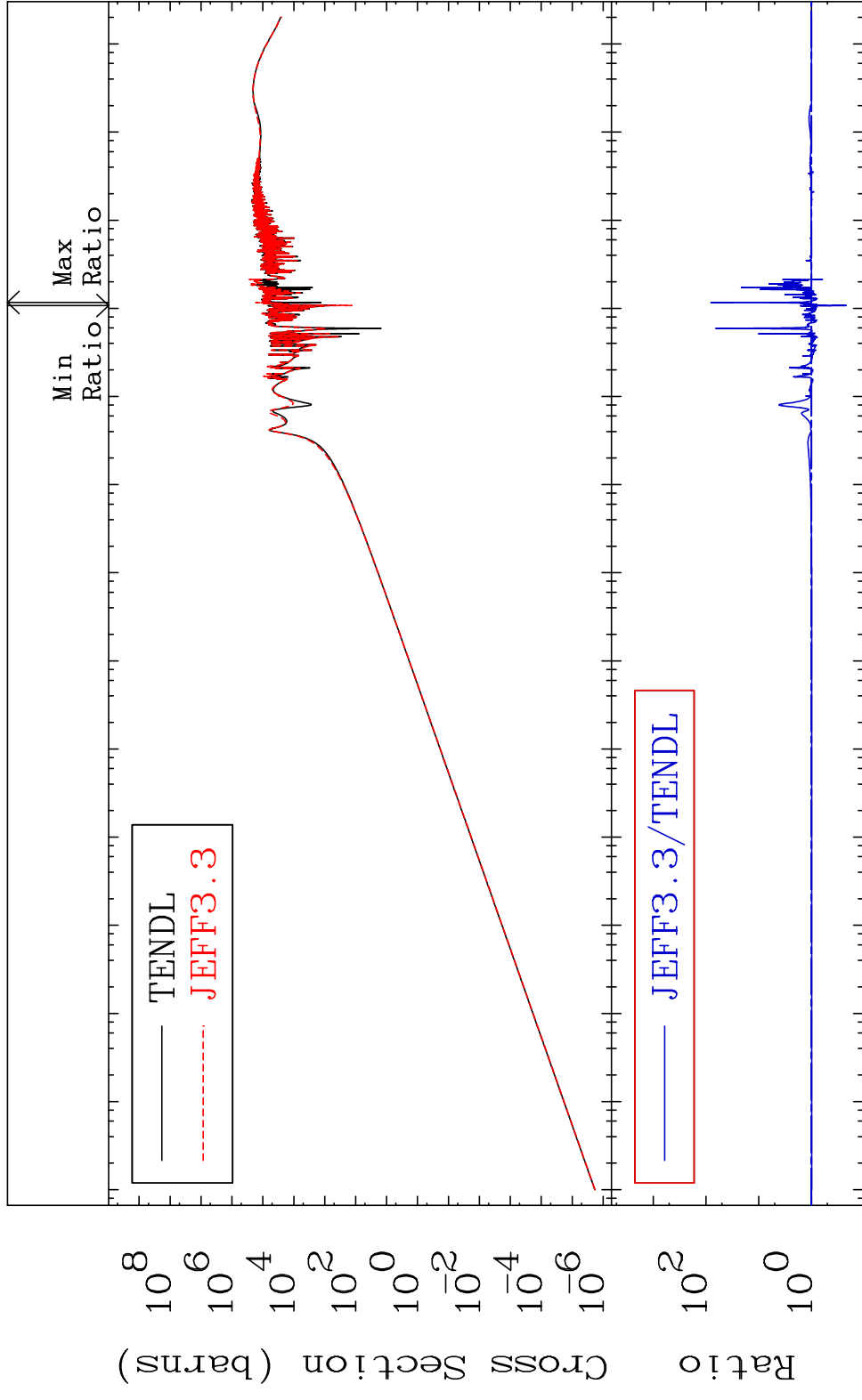
MAT 2328 Kerma total (eV-barns) 23-V -51
Cross Section -78.16 To 8011. %



MAT 2328

Kerma elastic
Cross Section

23-V -51
-78.18 To 8027. %

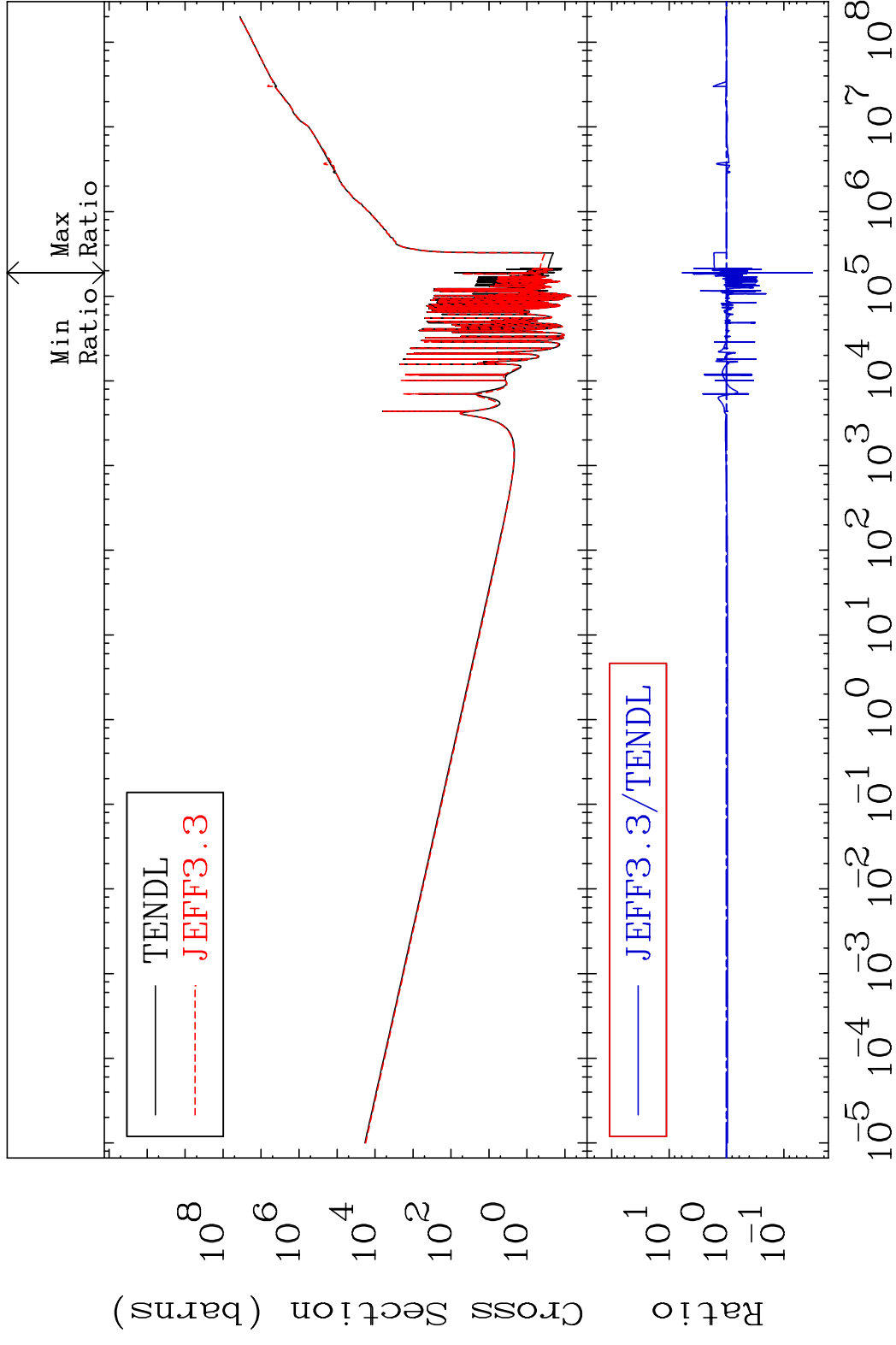


50

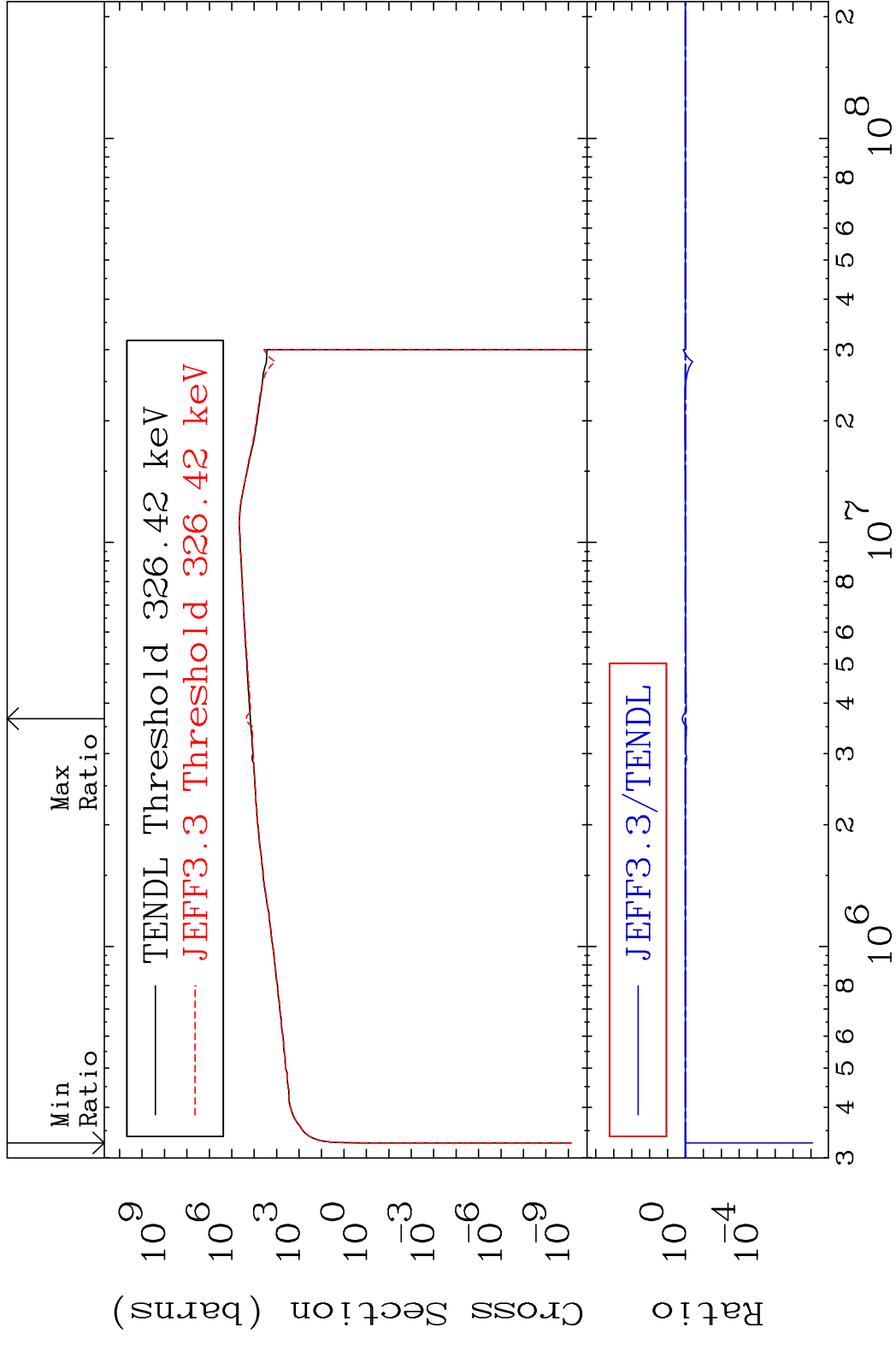
Incident Energy (eV)

23-V -51

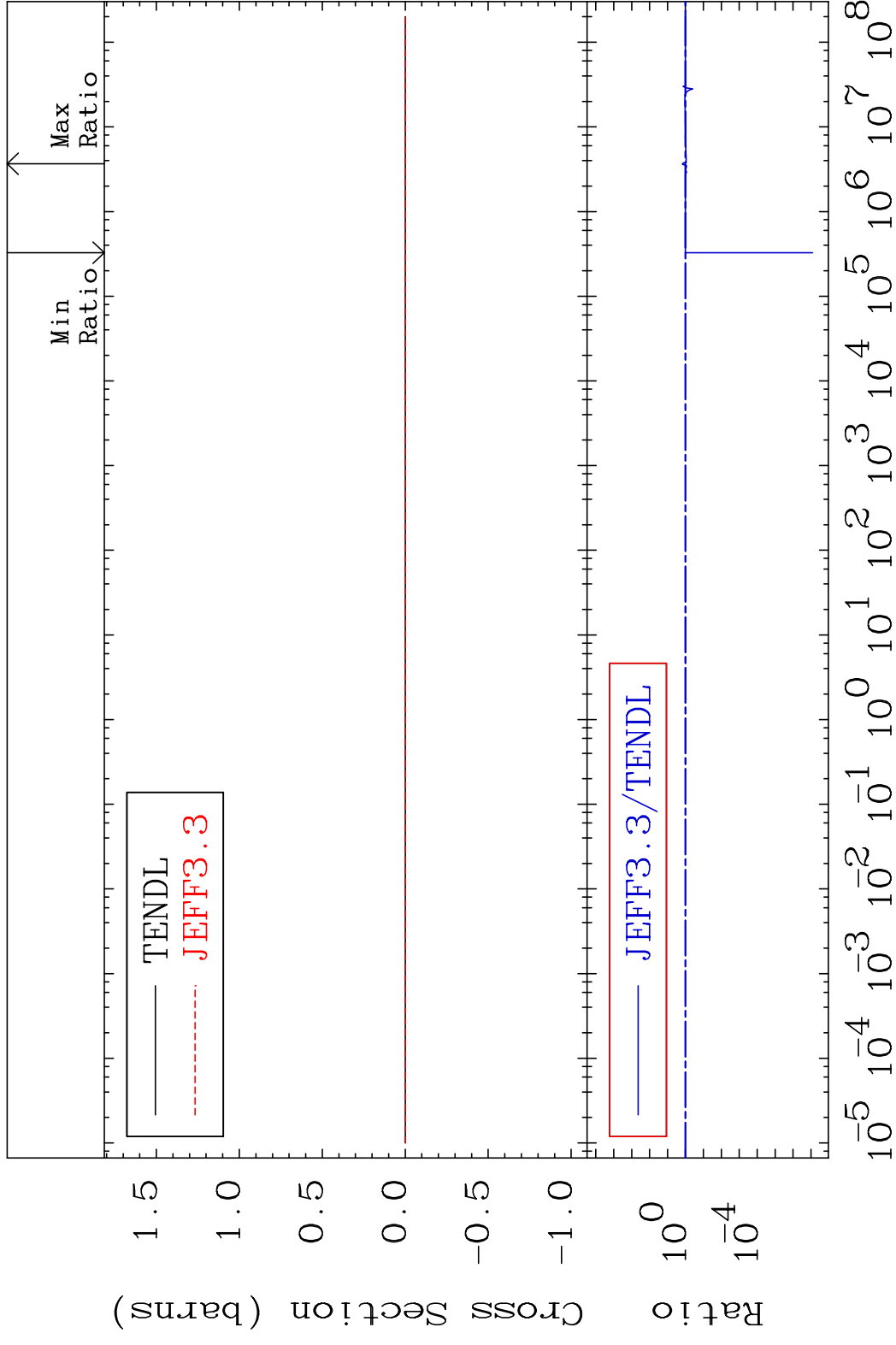
MAT 2328 Kerma non-elastic (all but mt2) 23-V -51
 Cross Section -96.84 To 486.6 %



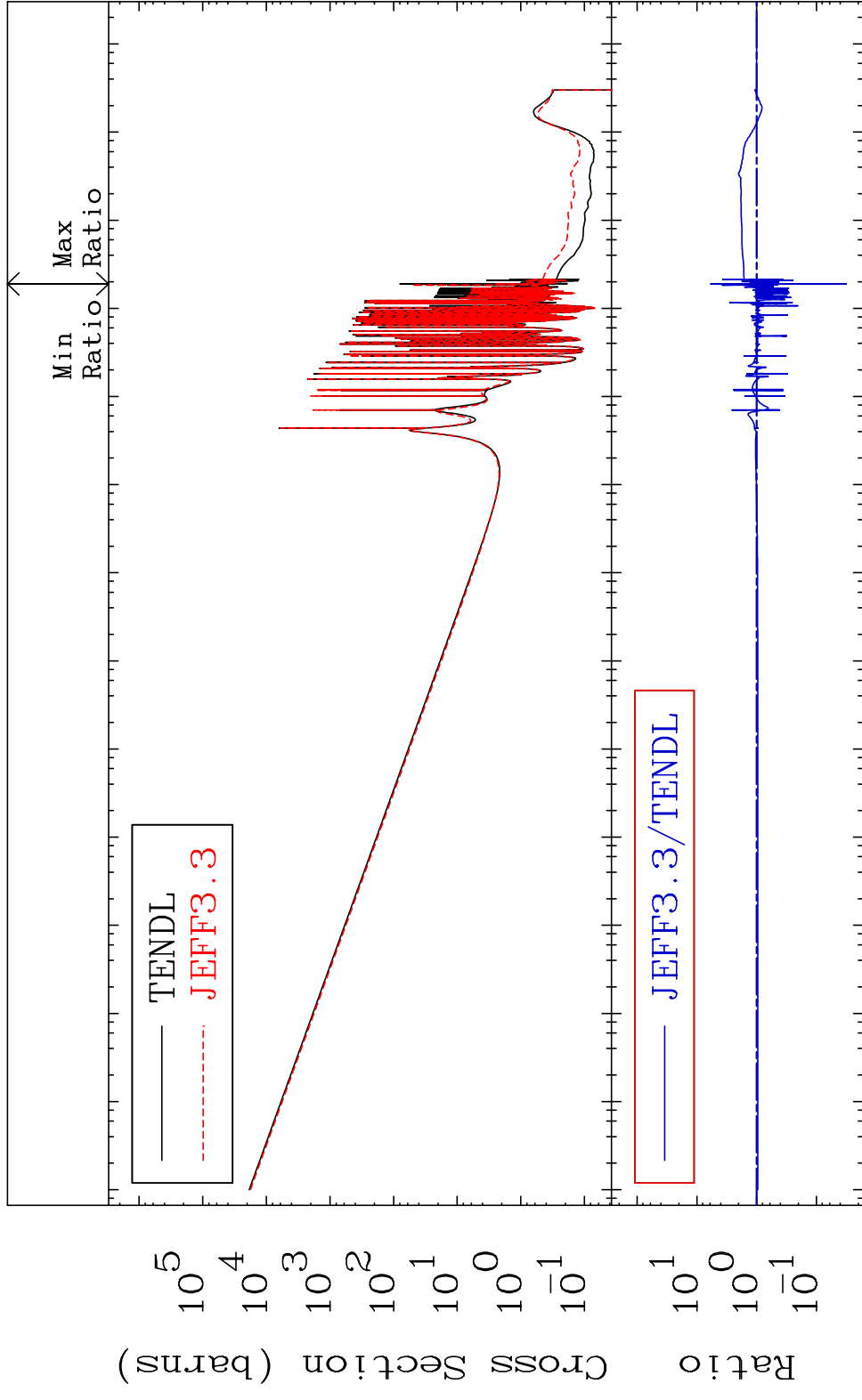
MAT 2328 Kerma inelastic (mt51-91) 23-V -51
 Cross Section -100.0 To 49.08 %



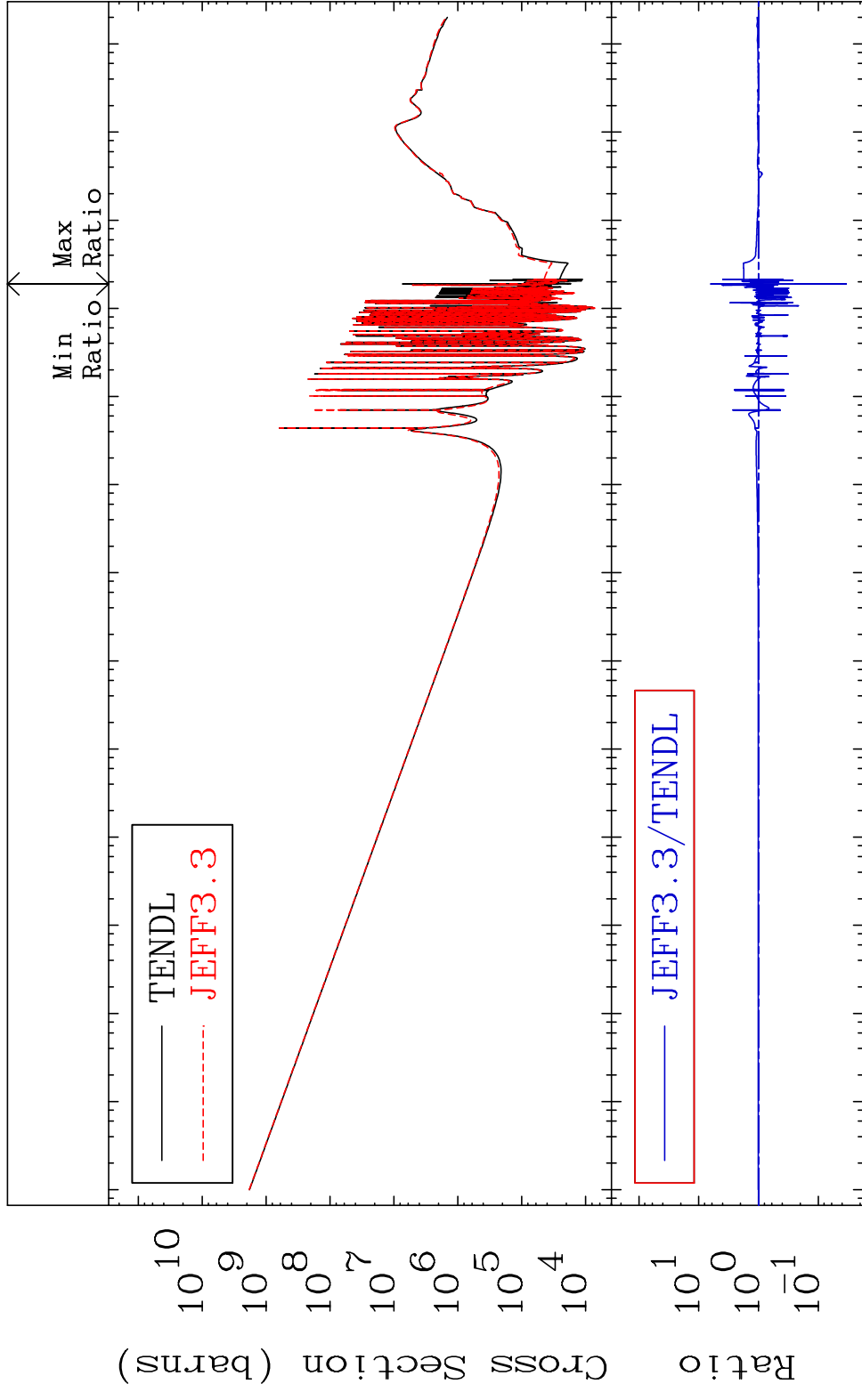
MAT 2328 Kerma fission (mt18 or mt19-20-21-38) 23-V -51
 Cross Section -100.0 To 49.08 %



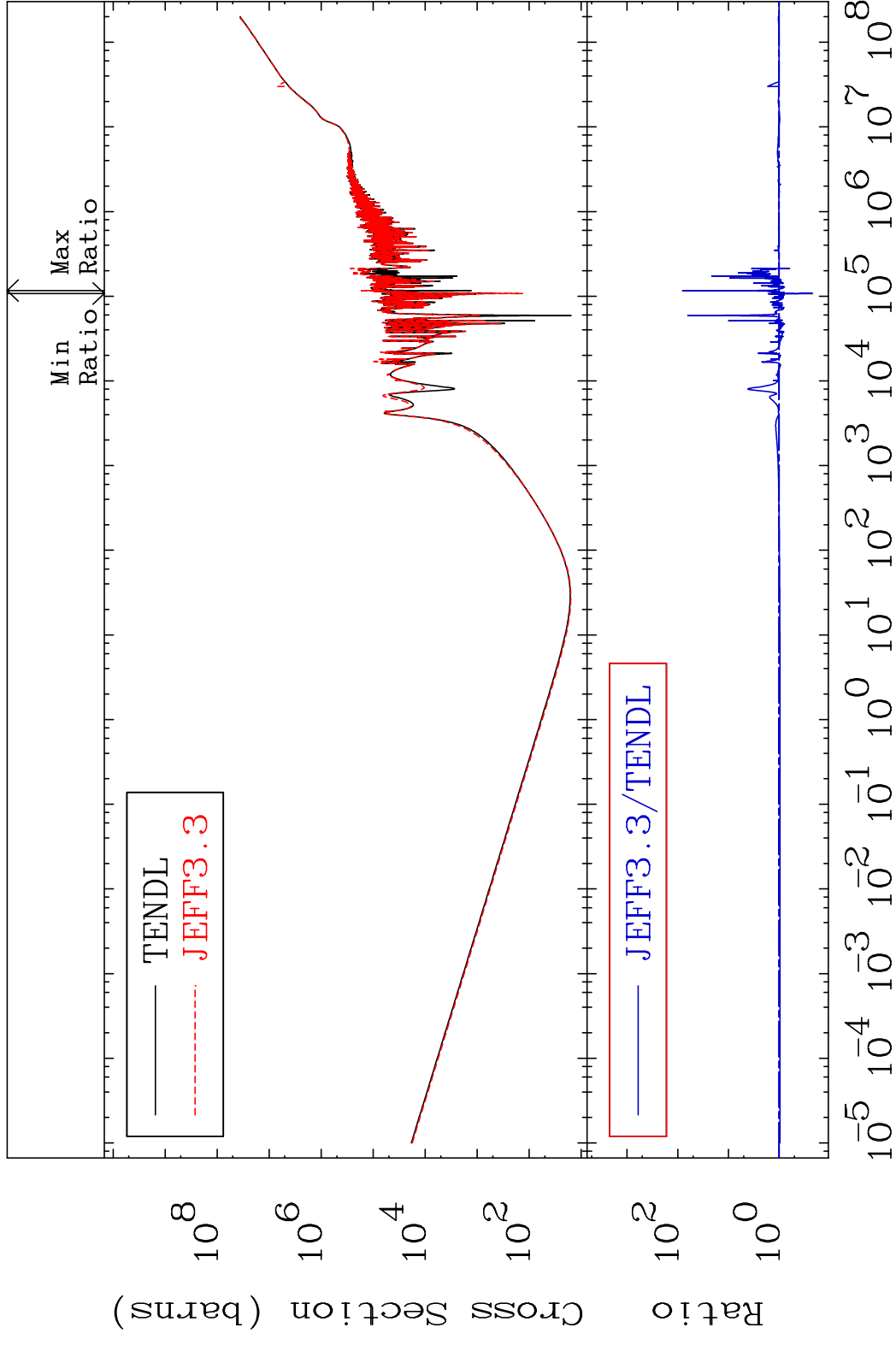
MAT 2328 Kerma capture (mt102) 23-V -51
 Cross Section -96.84 To 486.6 %



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

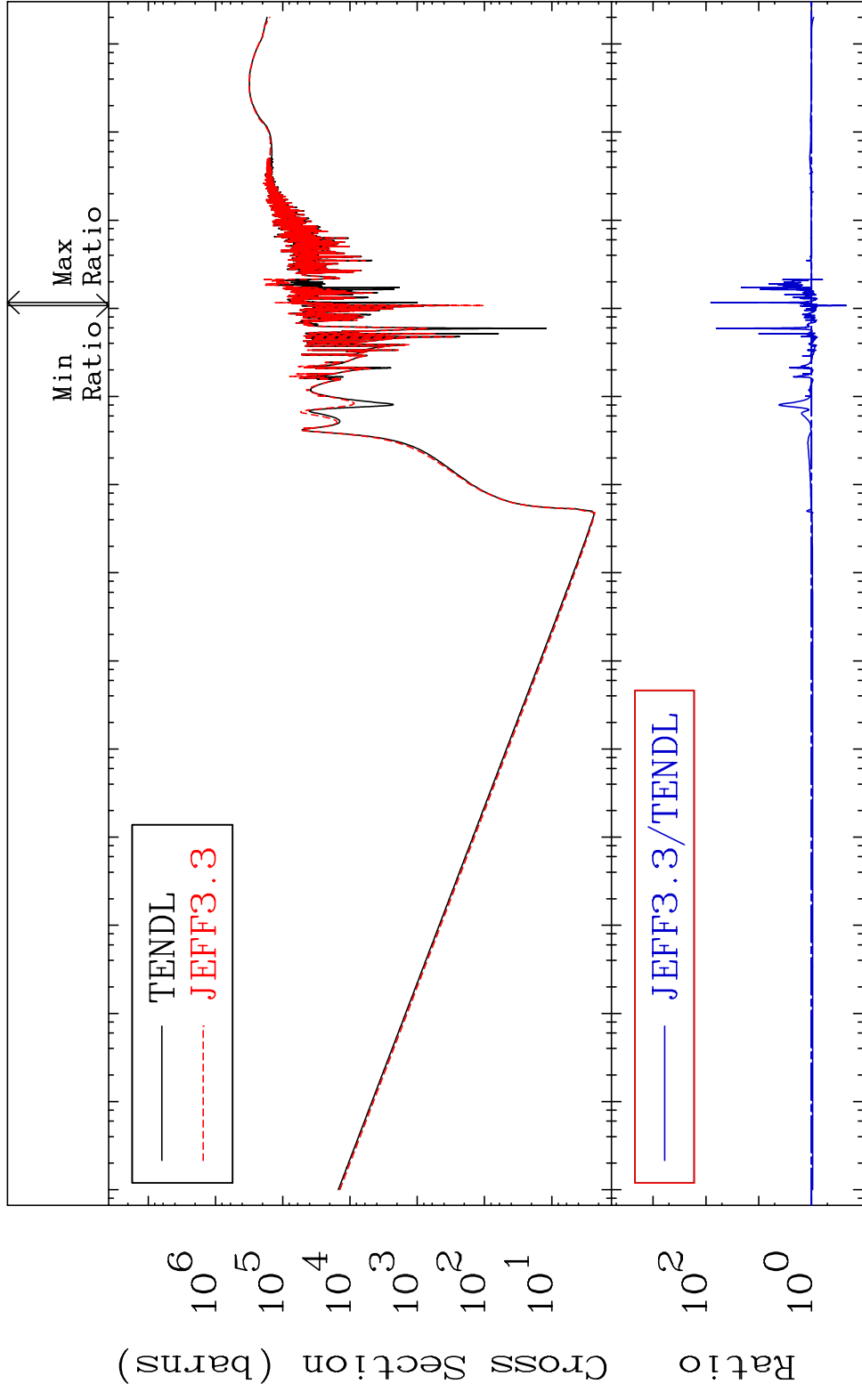


MAT 2328 Total kinematic kerma (high limit) 23-V -51
 Cross Section -78.16 To 8011. %



MAT 2328

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



57

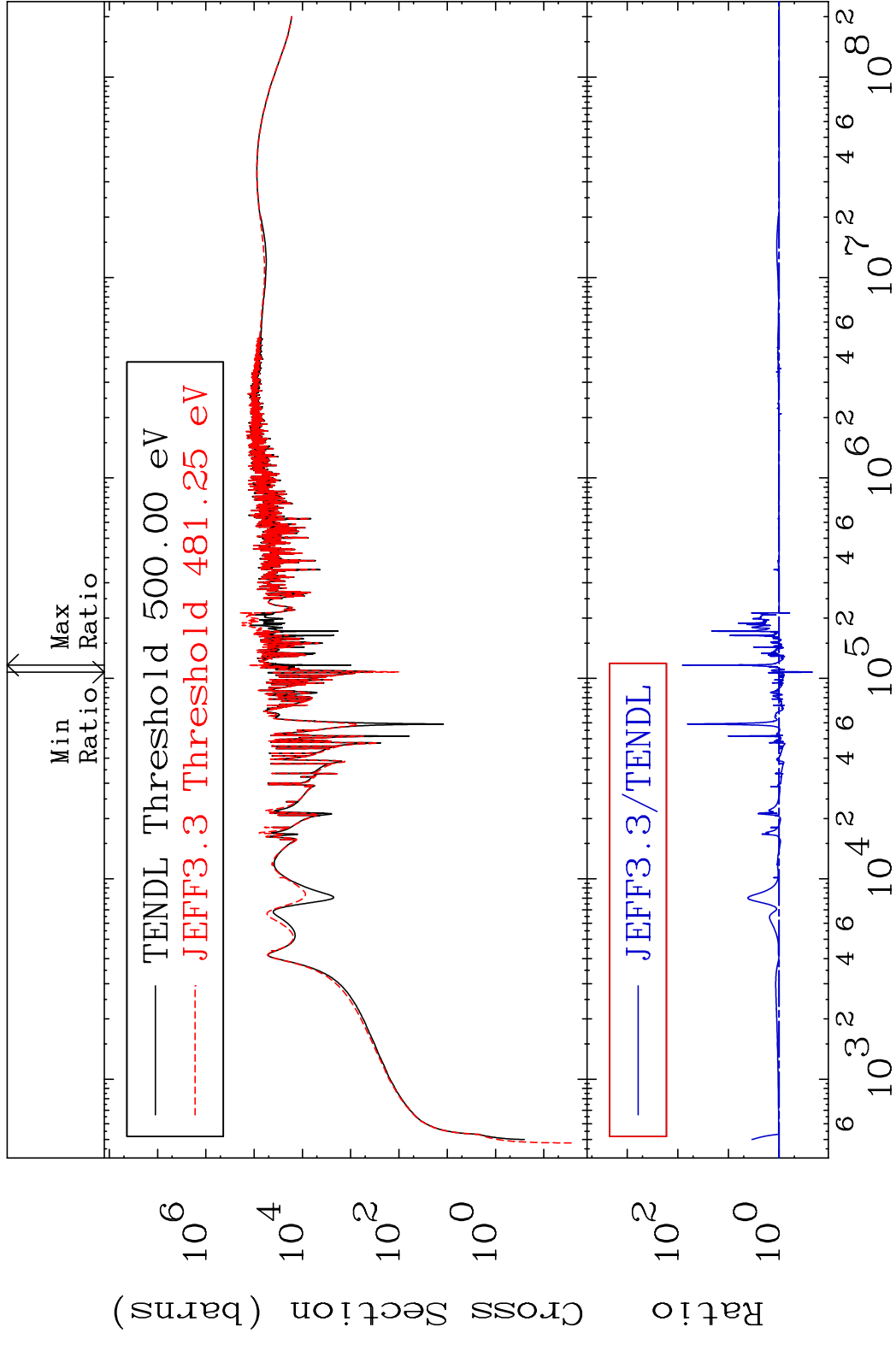
Incident Energy (eV) 23-V -51

MAT 2328

Dpa elastic (mt2)

23-V -51

Cross Section -78.18 To 8027. %

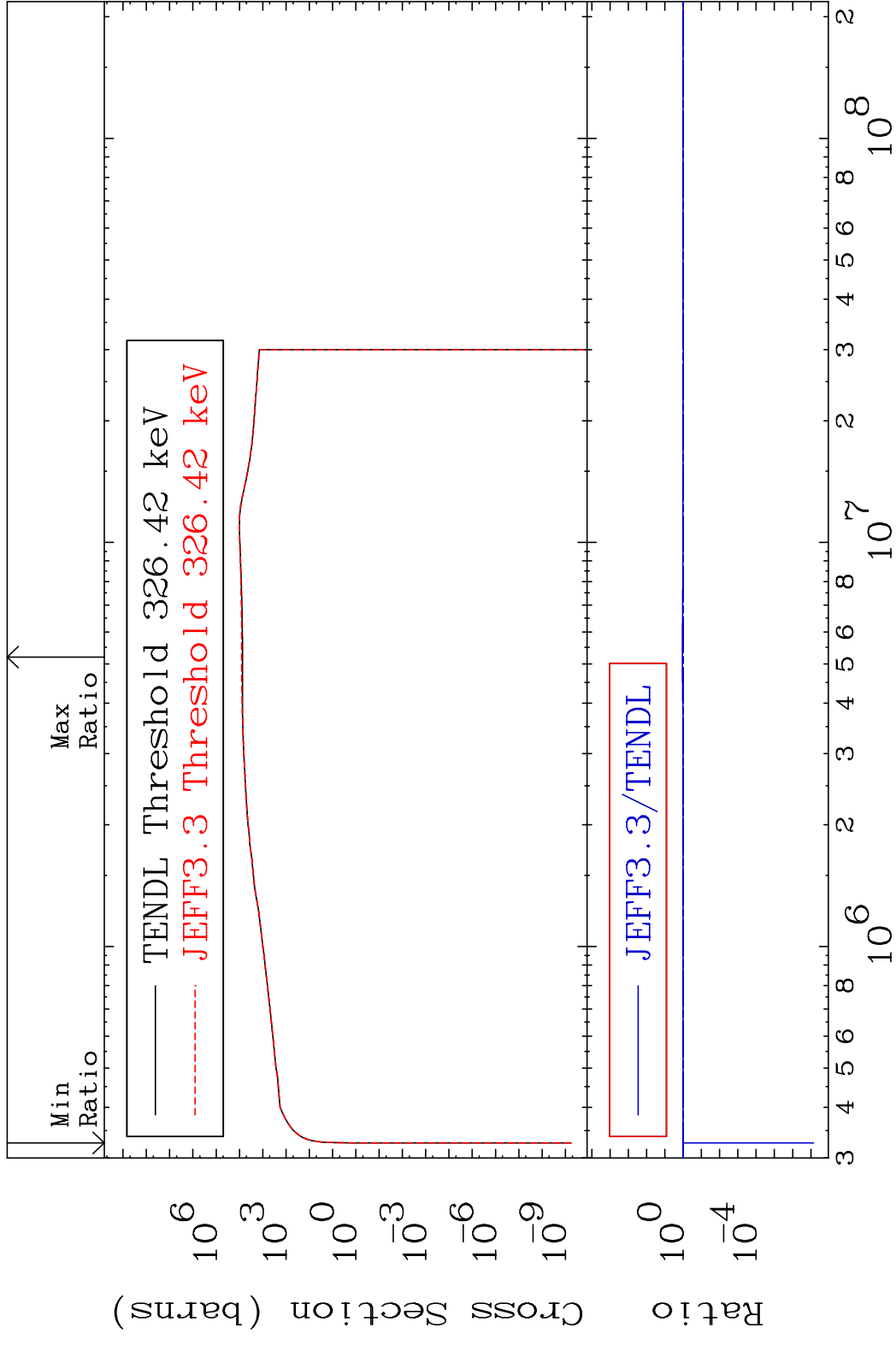


58

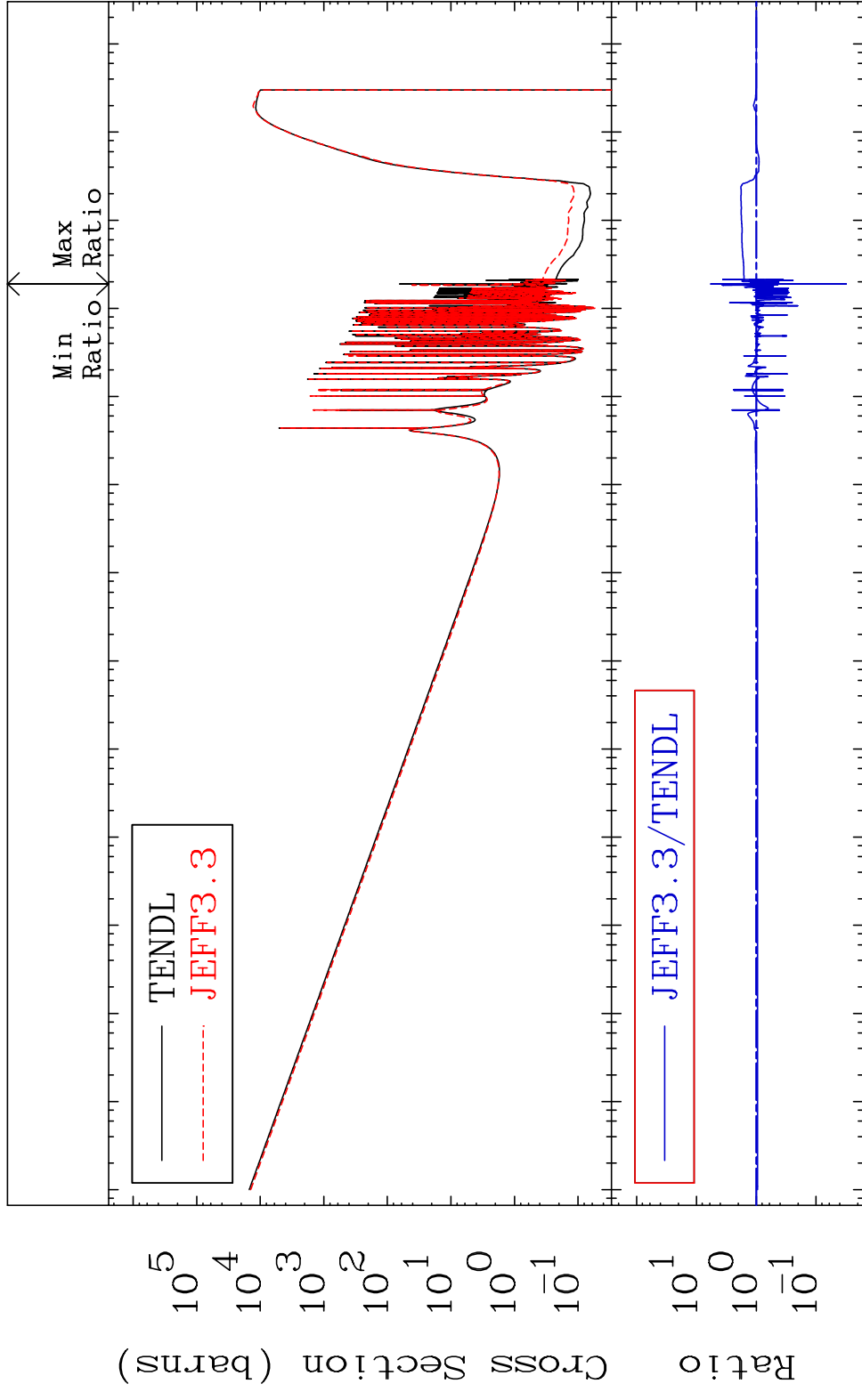
Incident Energy (eV)

23-V -51

MAT 2328 Dpa inelastic (mt51-91) 23-V -51
 Cross Section -100.0 To 9.572 %

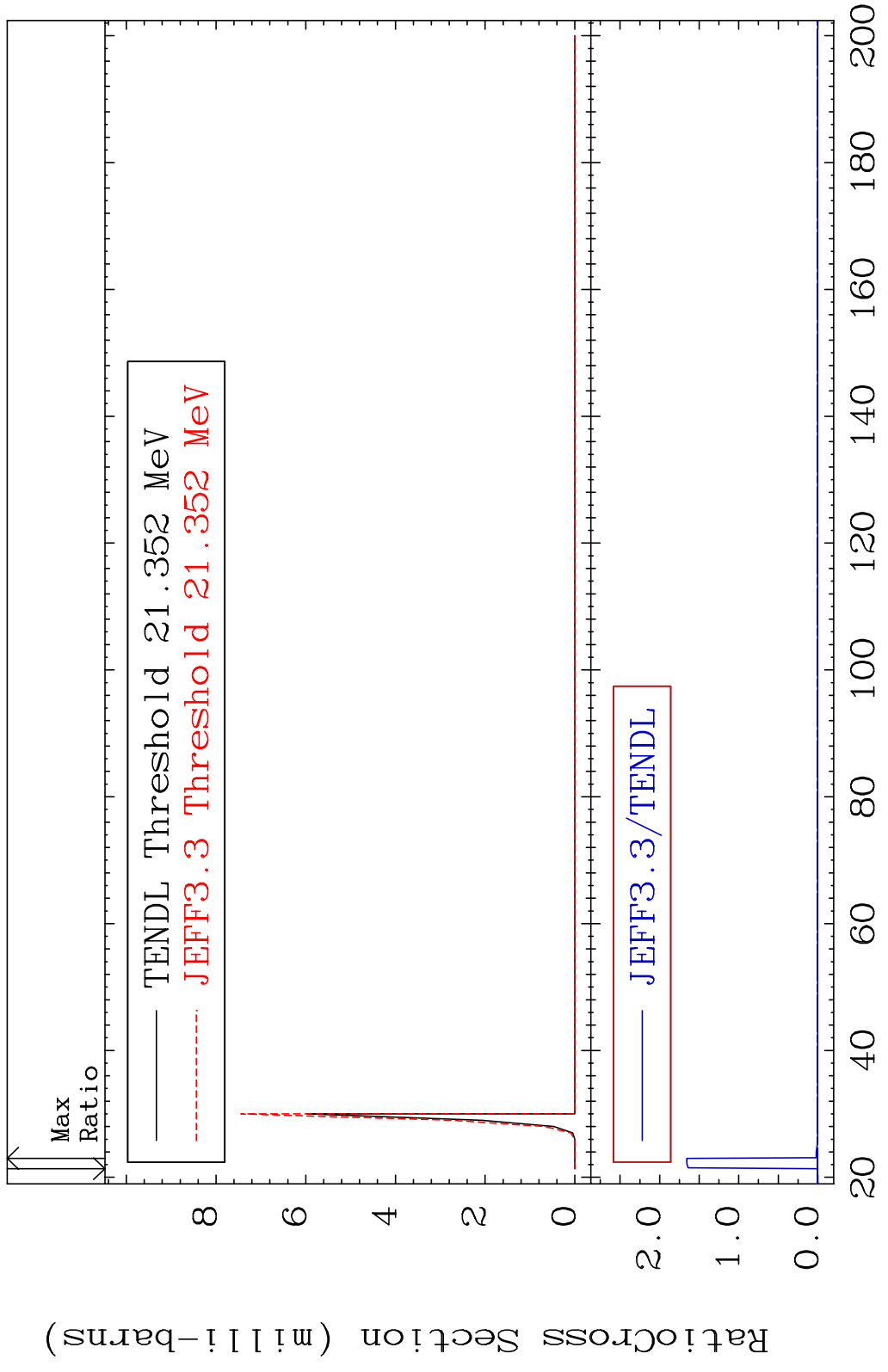


MAT 2328 Dpa disappearance (mt102 -120) 23-V -51
 Cross Section -96.88 To 477.6 %



60 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. %

