

Program Complot
(Version 2021-1)

by

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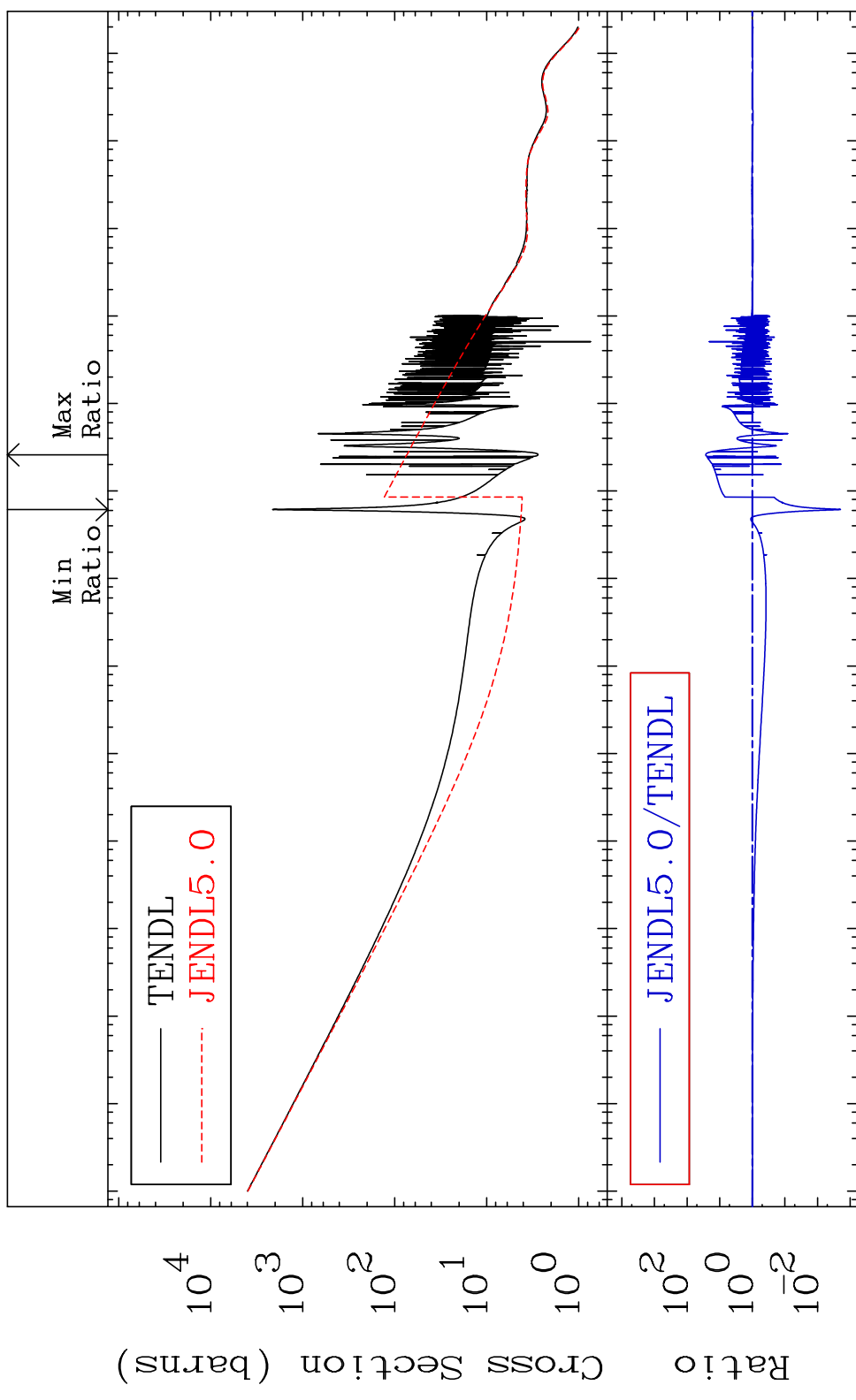
Press Mouse Button to Start

MAT 2519

Total

25-Mn-53

Cross Section -99.80 To 2569. %



1

Incident Energy (eV)

25-Mn-53

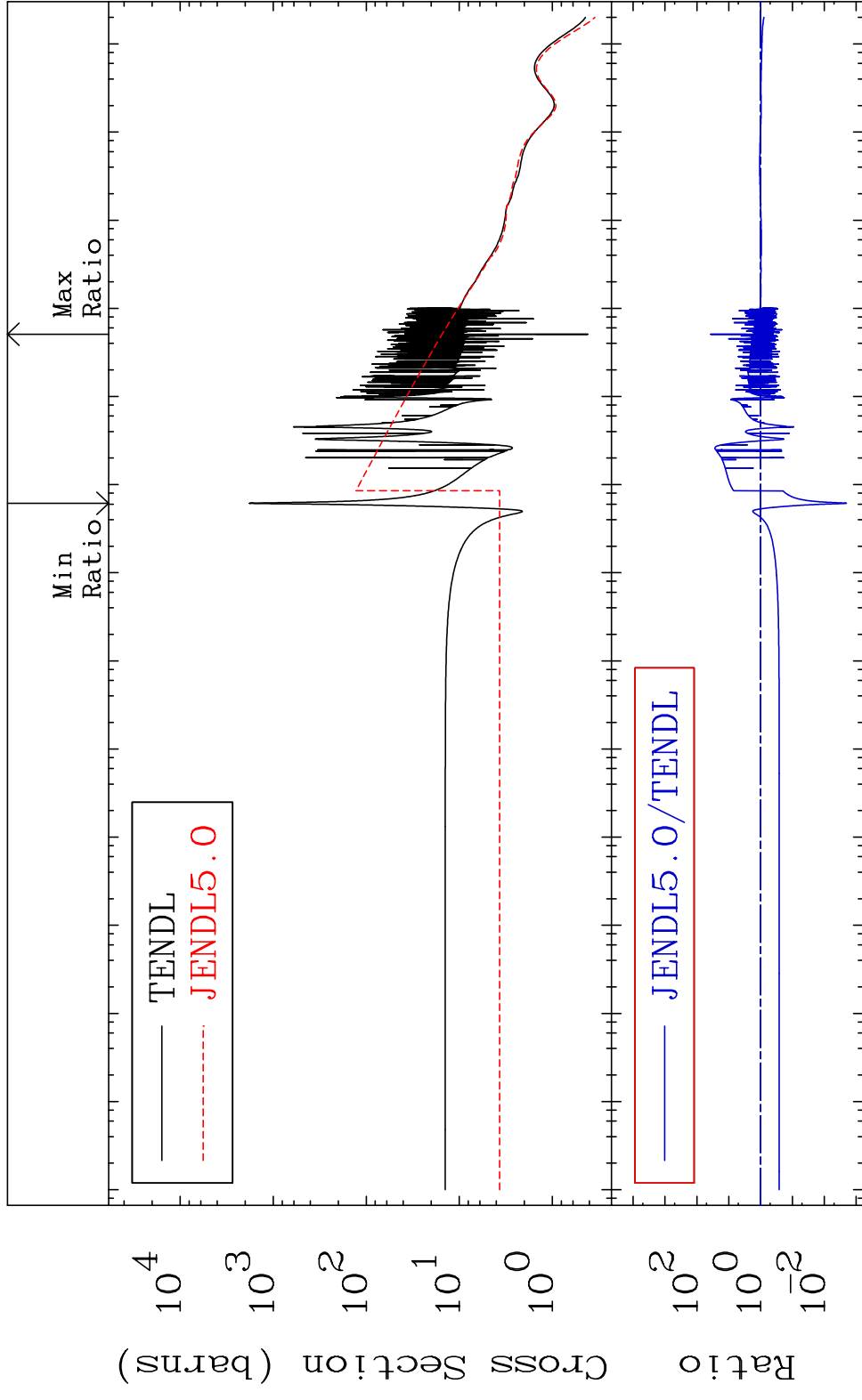
MAT 2519

Elastic

25-Mn-53

Cross Section

-99.80 To 3581. %



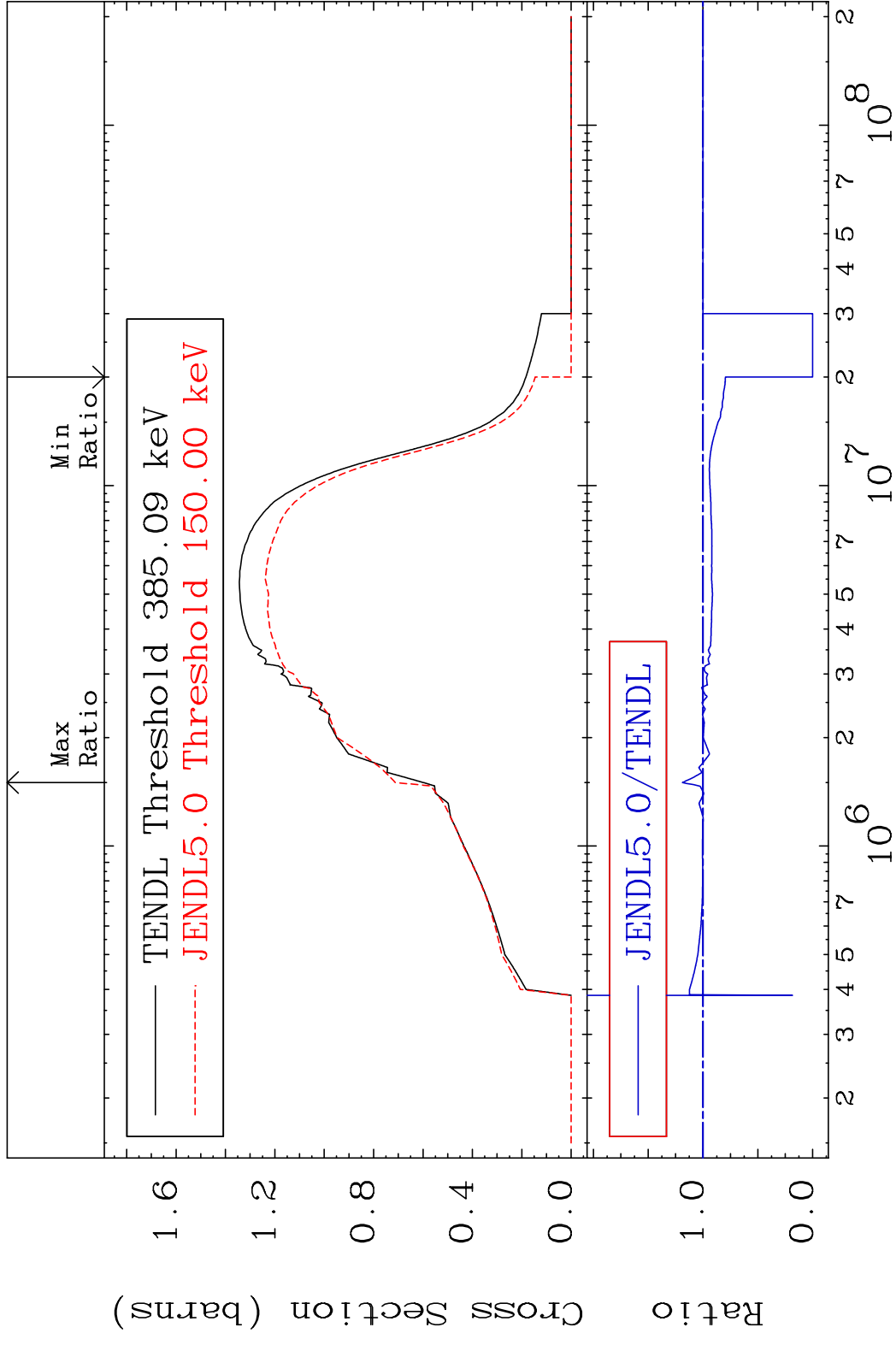
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

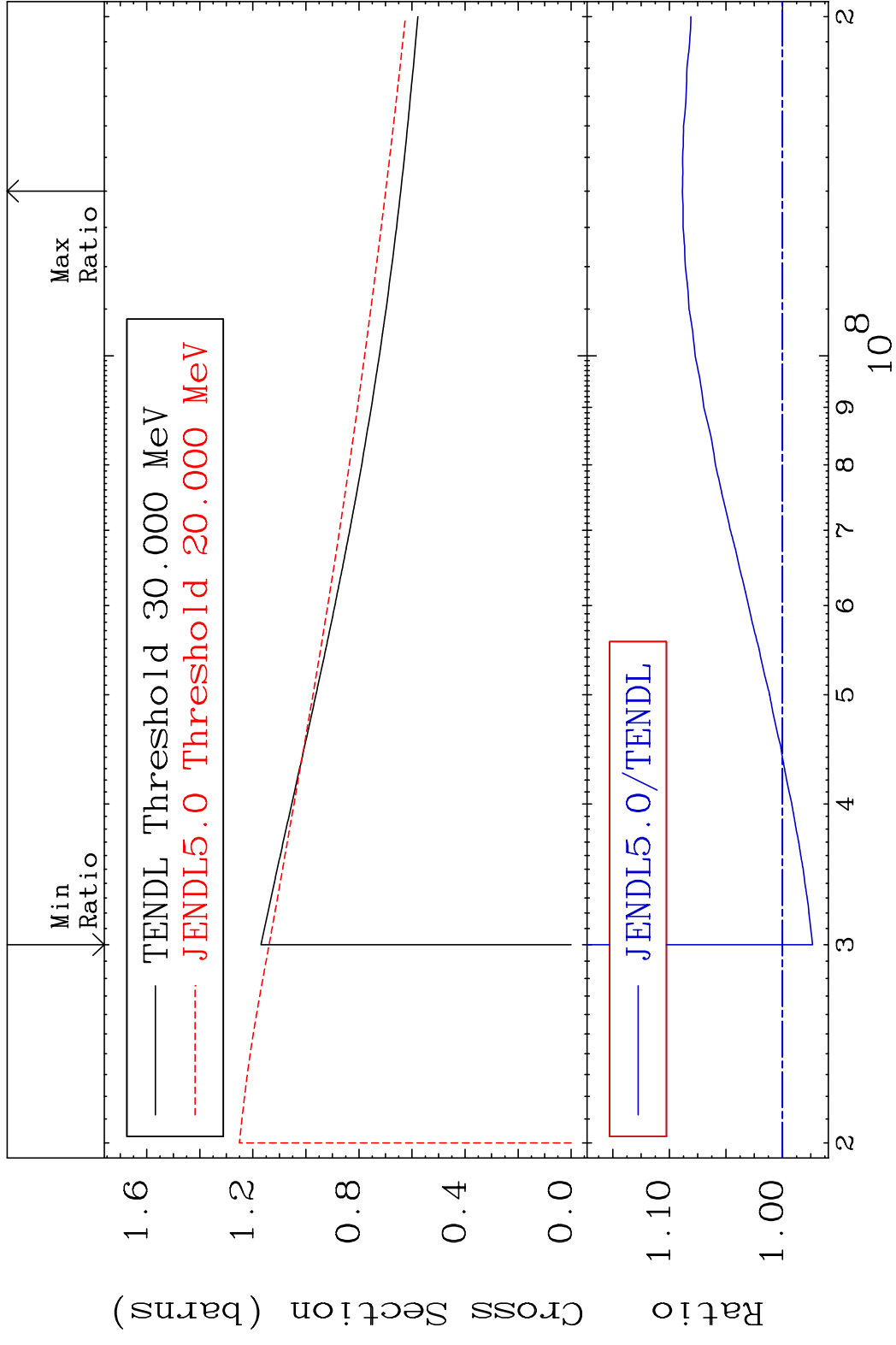
Incident Energy (eV)

25-Mn-53

MAT 2519 Inelastic Cross Section -100.0 To 18.87 % 25-Mn-53

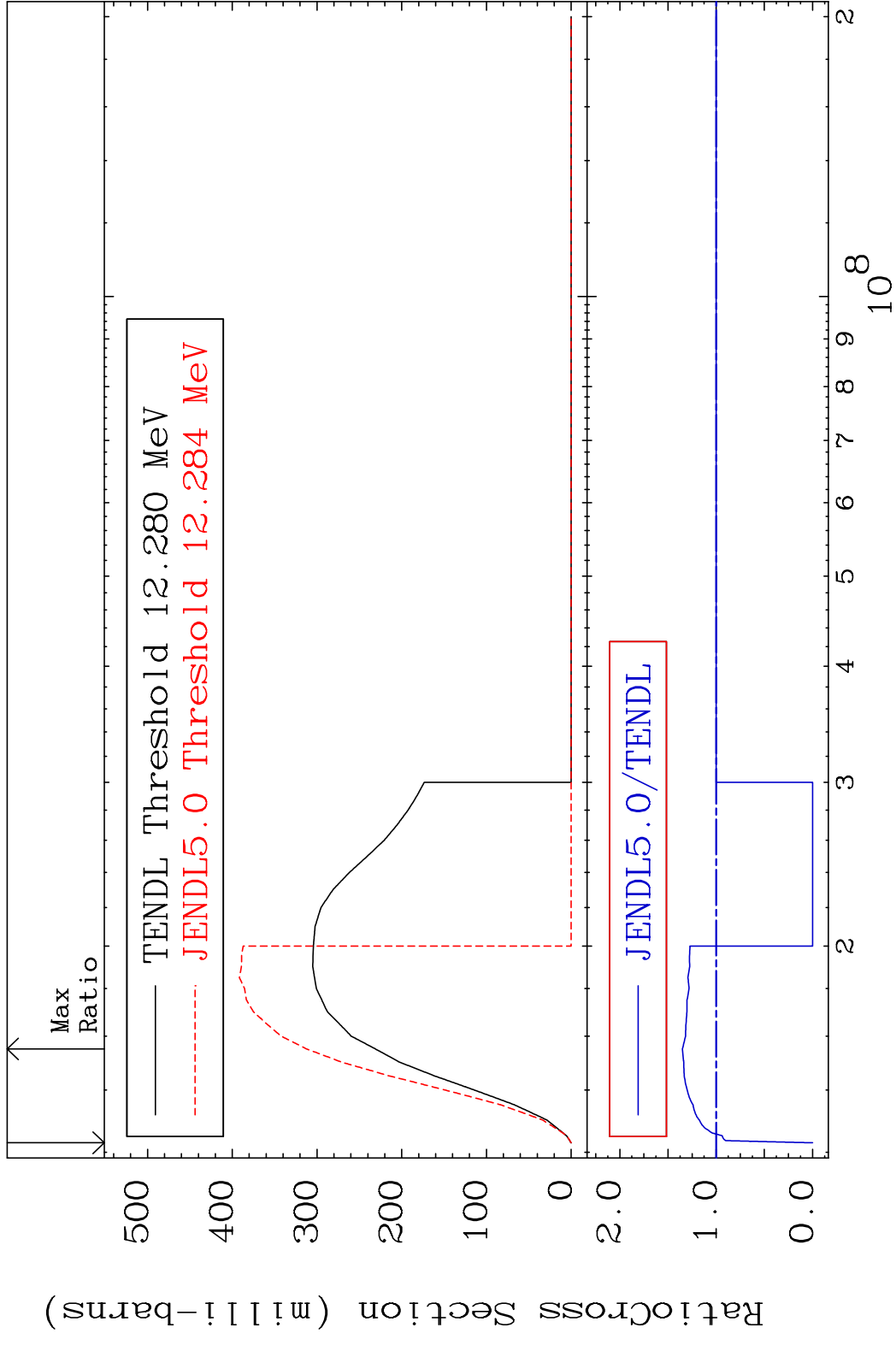


MAT 2519 (n, remainder) 25-Mn-53
 Cross Section -2.659 To 8.858 %

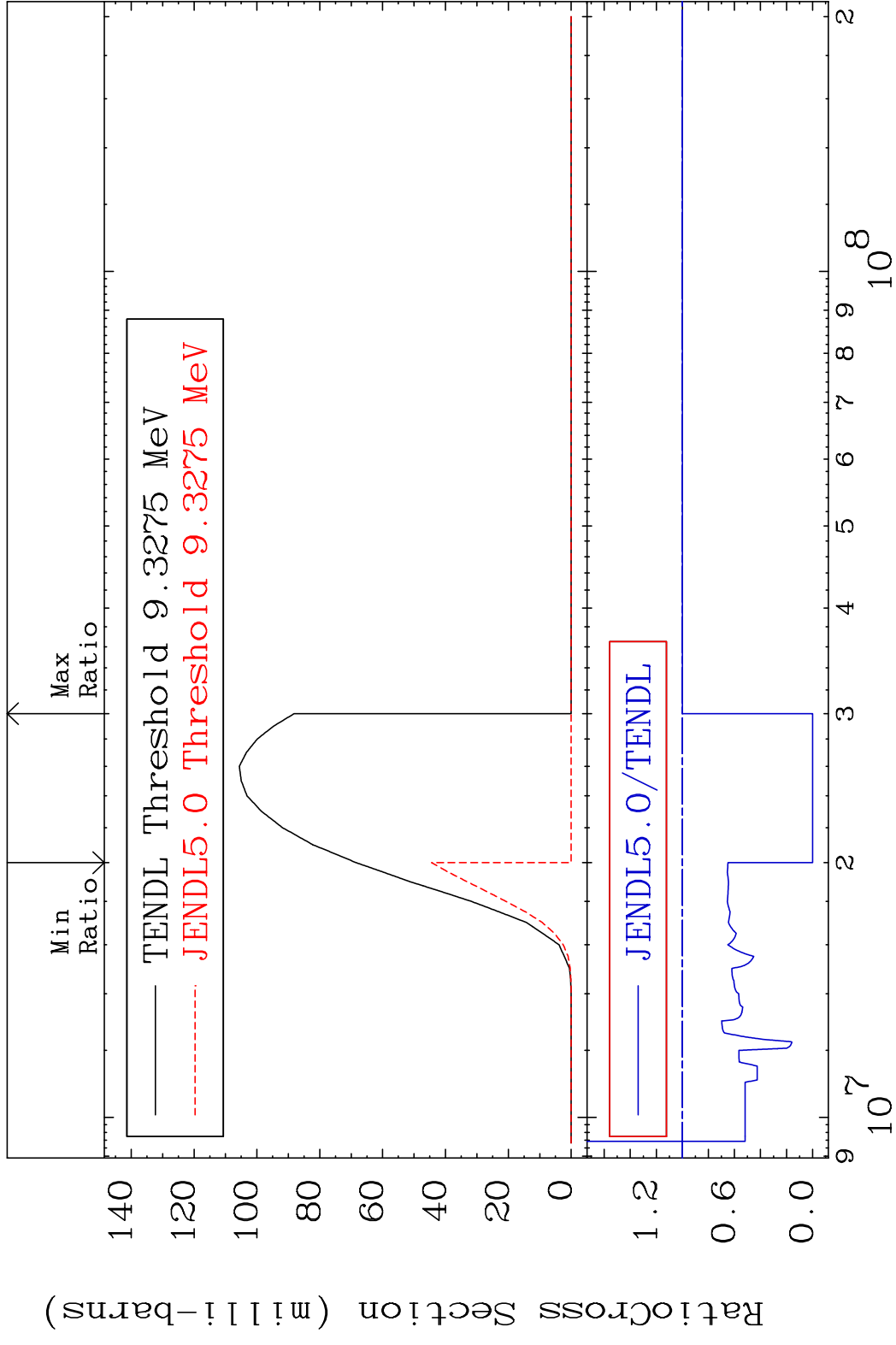


4 Incident Energy (eV) 25-Mn-53

MAT 2519 (n,2n) 25-Mn-53
 Cross Section -100.0 To 35.11 %

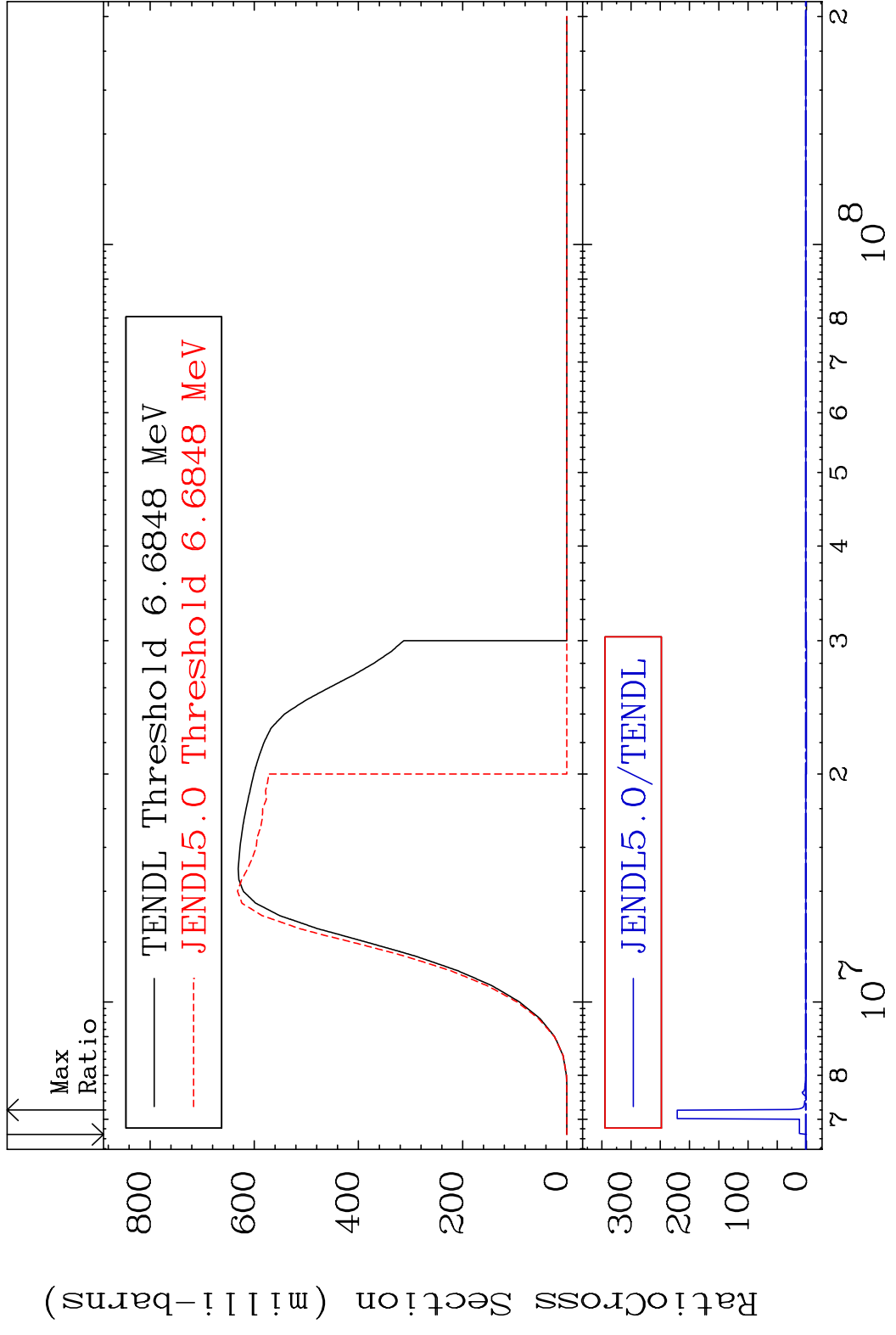


MAT 2519 (n, n') α 25-Mn-53
 Cross Section -100.0 To 0.000 %

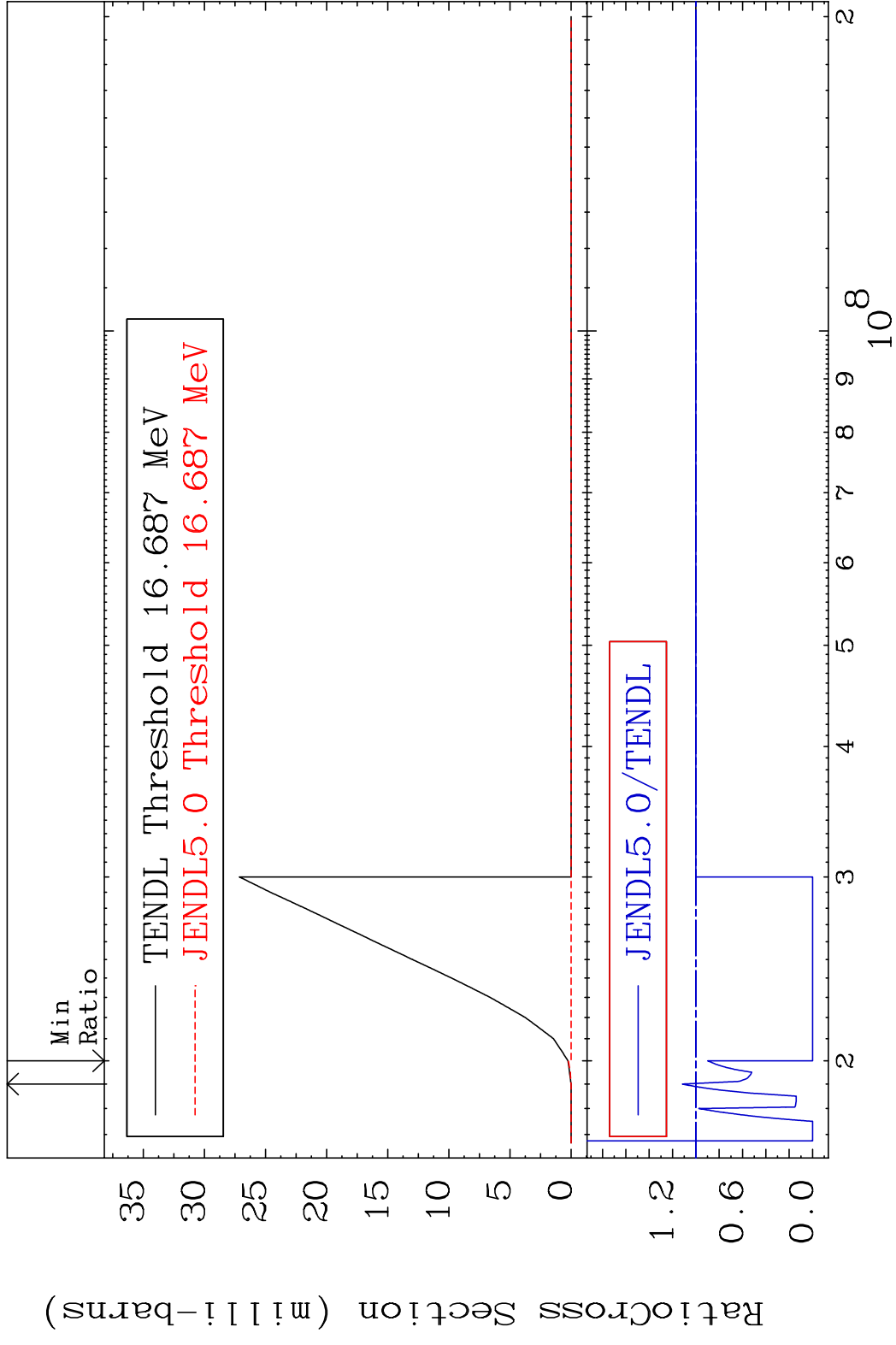


6 Incident Energy (eV) 25-Mn-53

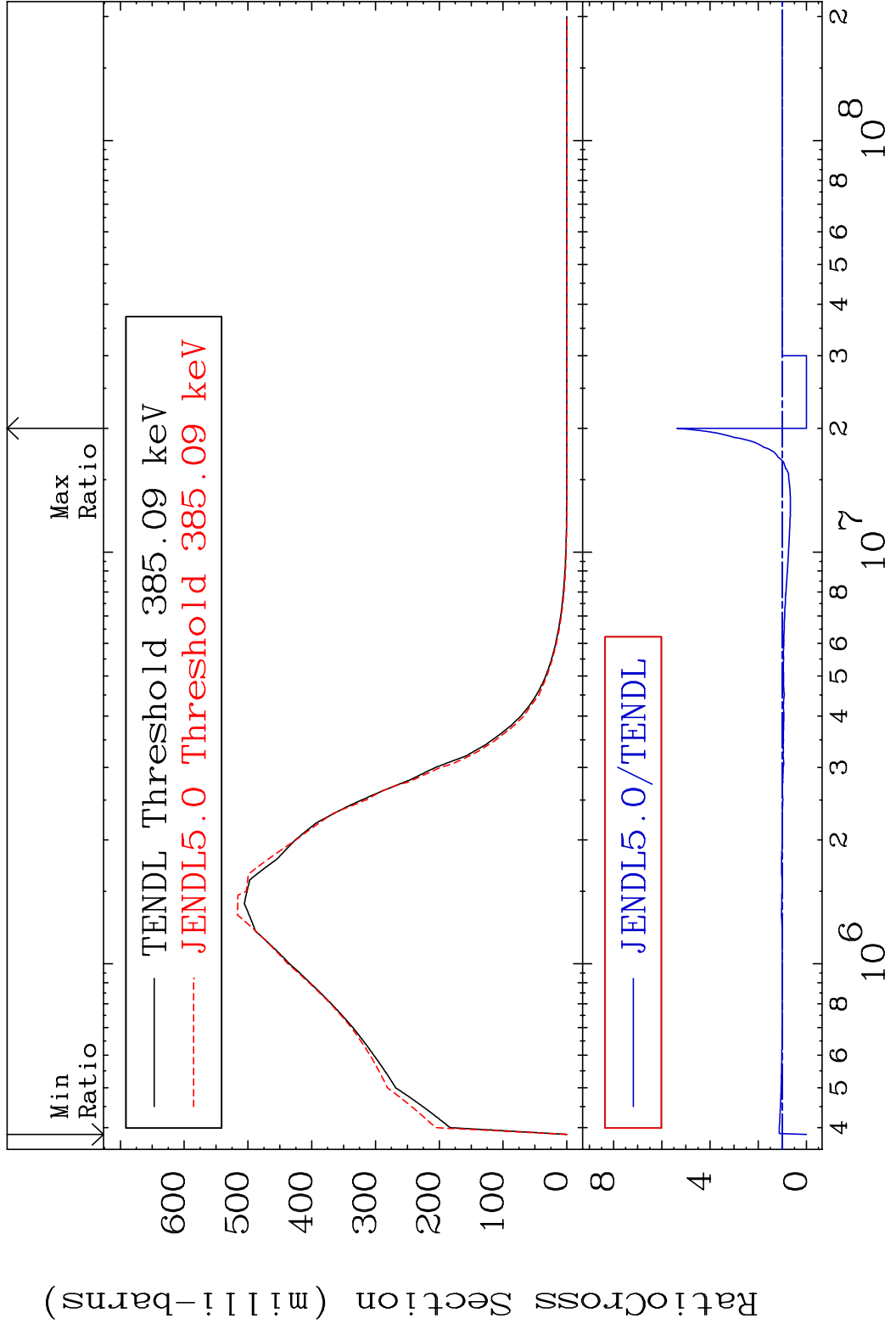
MAT 2519 (n, n') p 25-Mn-53
 Cross Section -100.0 To 9999. %



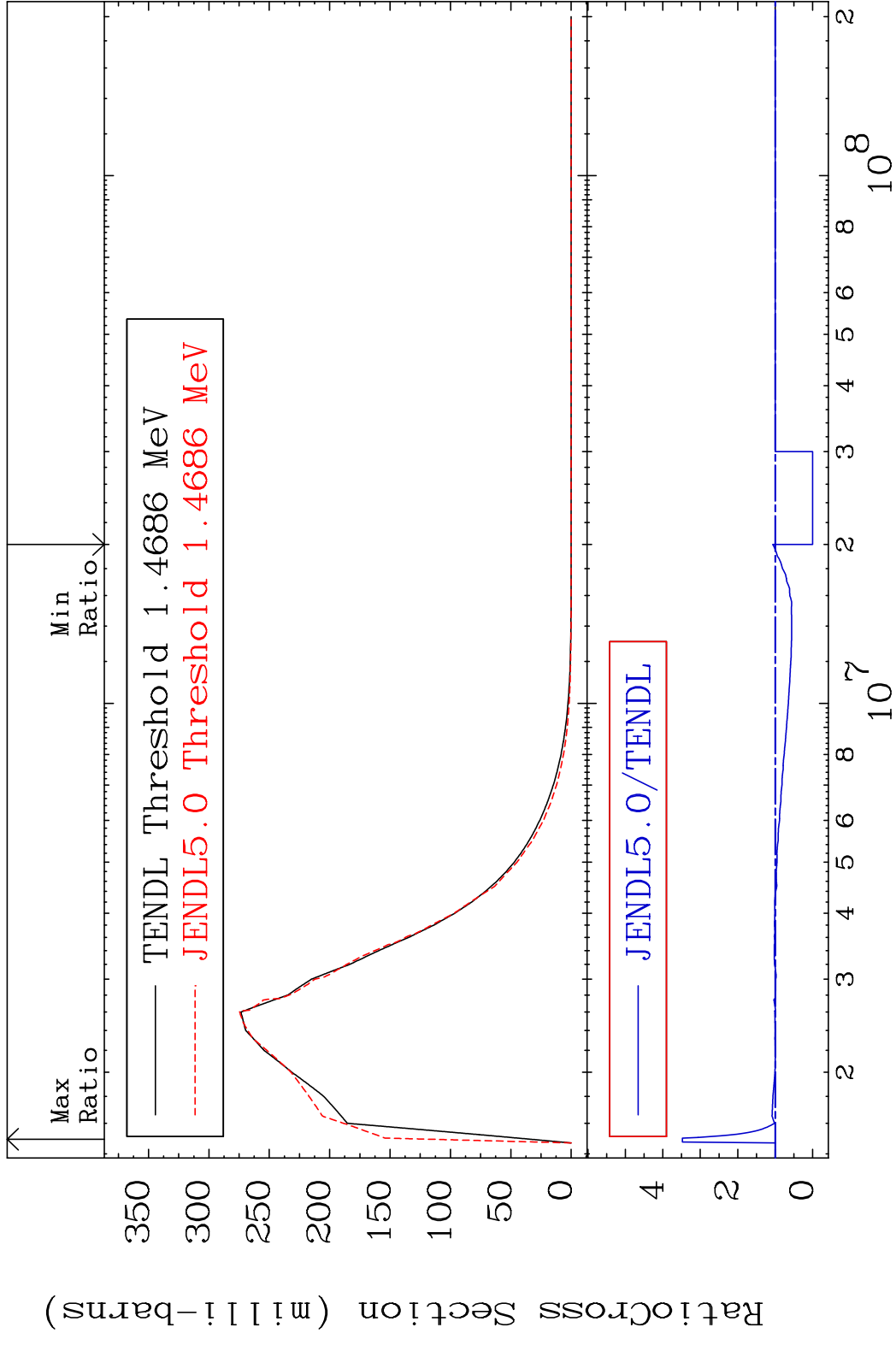
MAT 2519 (n, n') d 25-Mn-53
 Cross Section -100.0 To 11.58 %



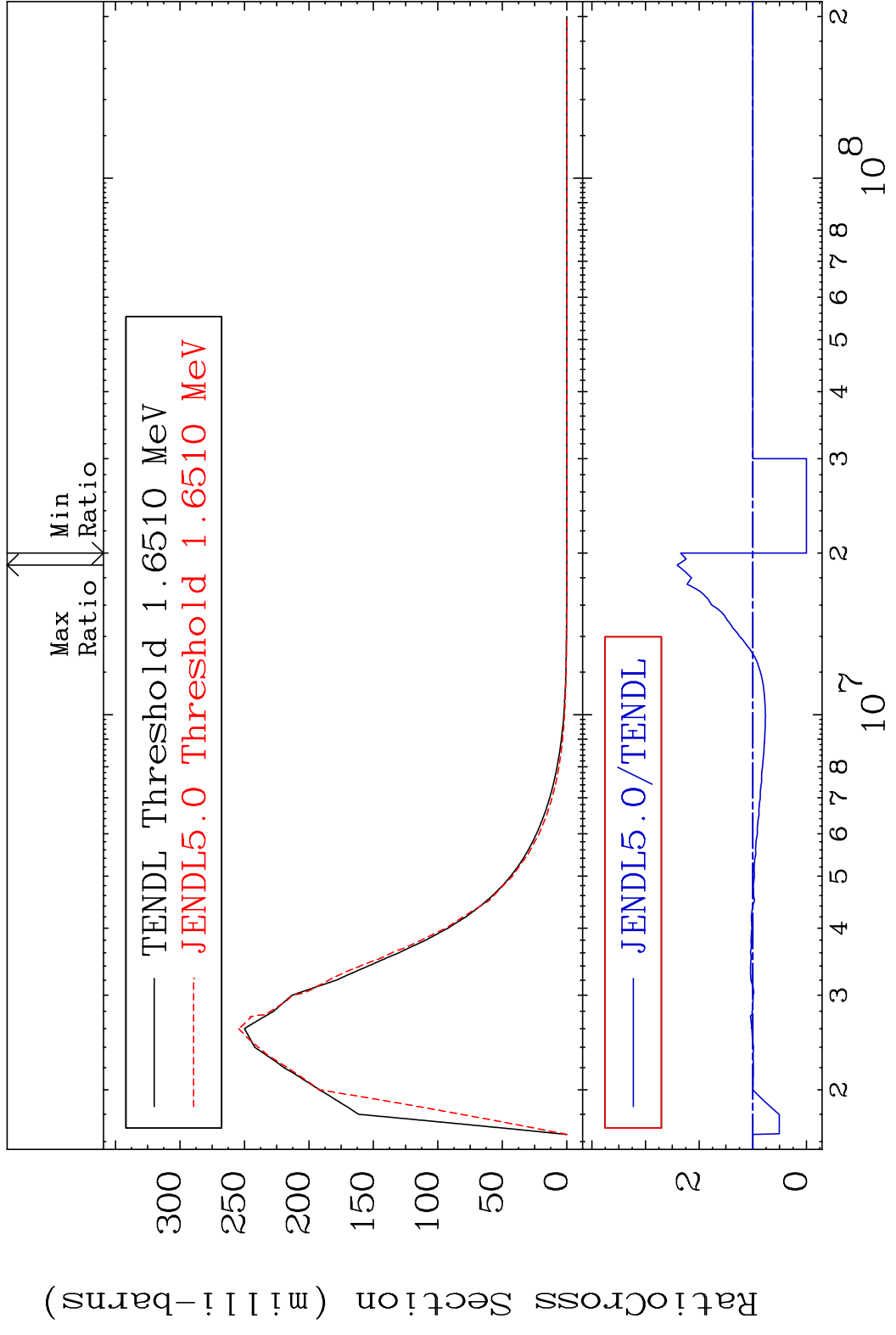
MAT 2519 MT= 51 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 436.2 %



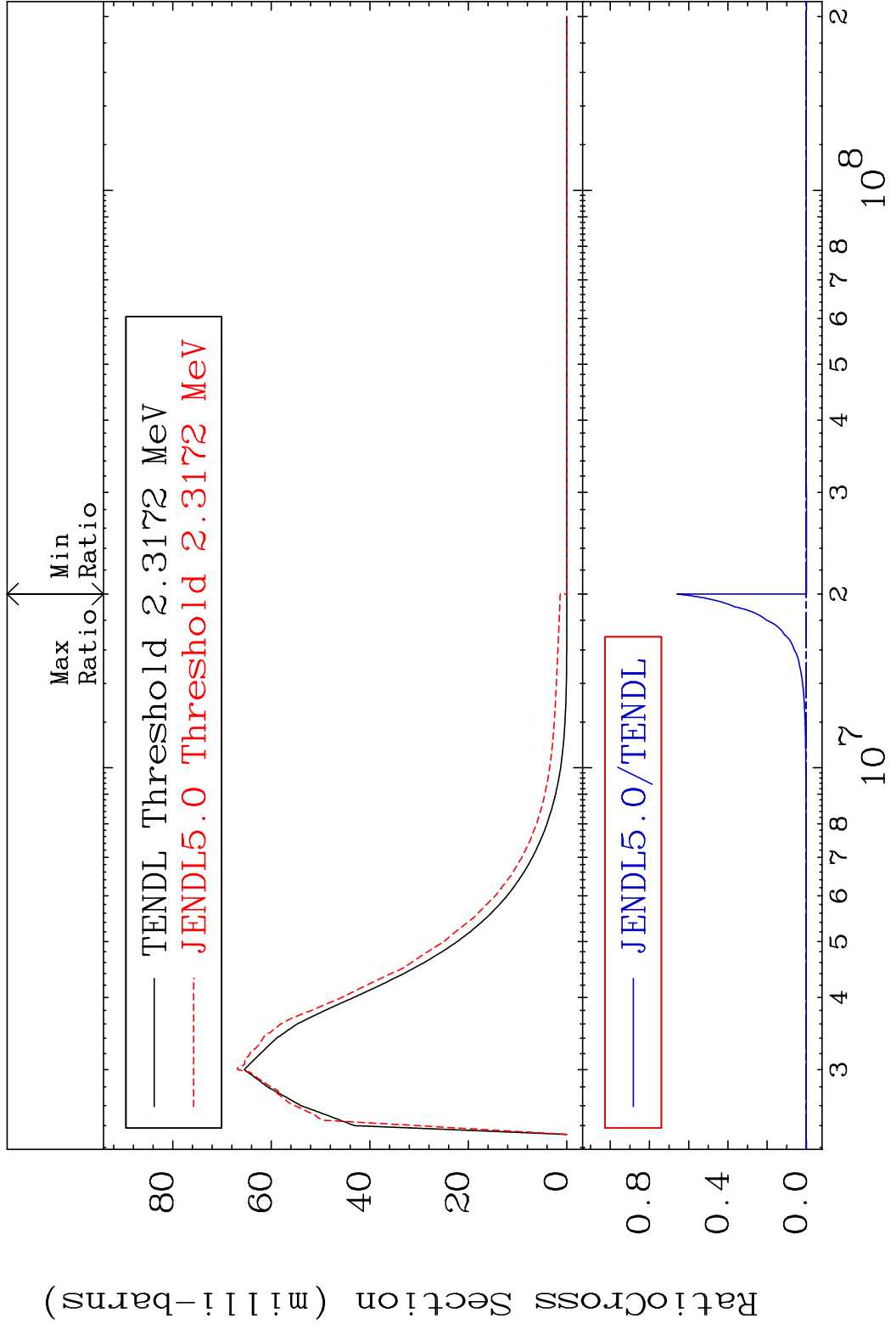
MAT 2519 MT= 53 (n,n') Level 25-Mn-53
 Cross Section -100.0 To 247.9 %



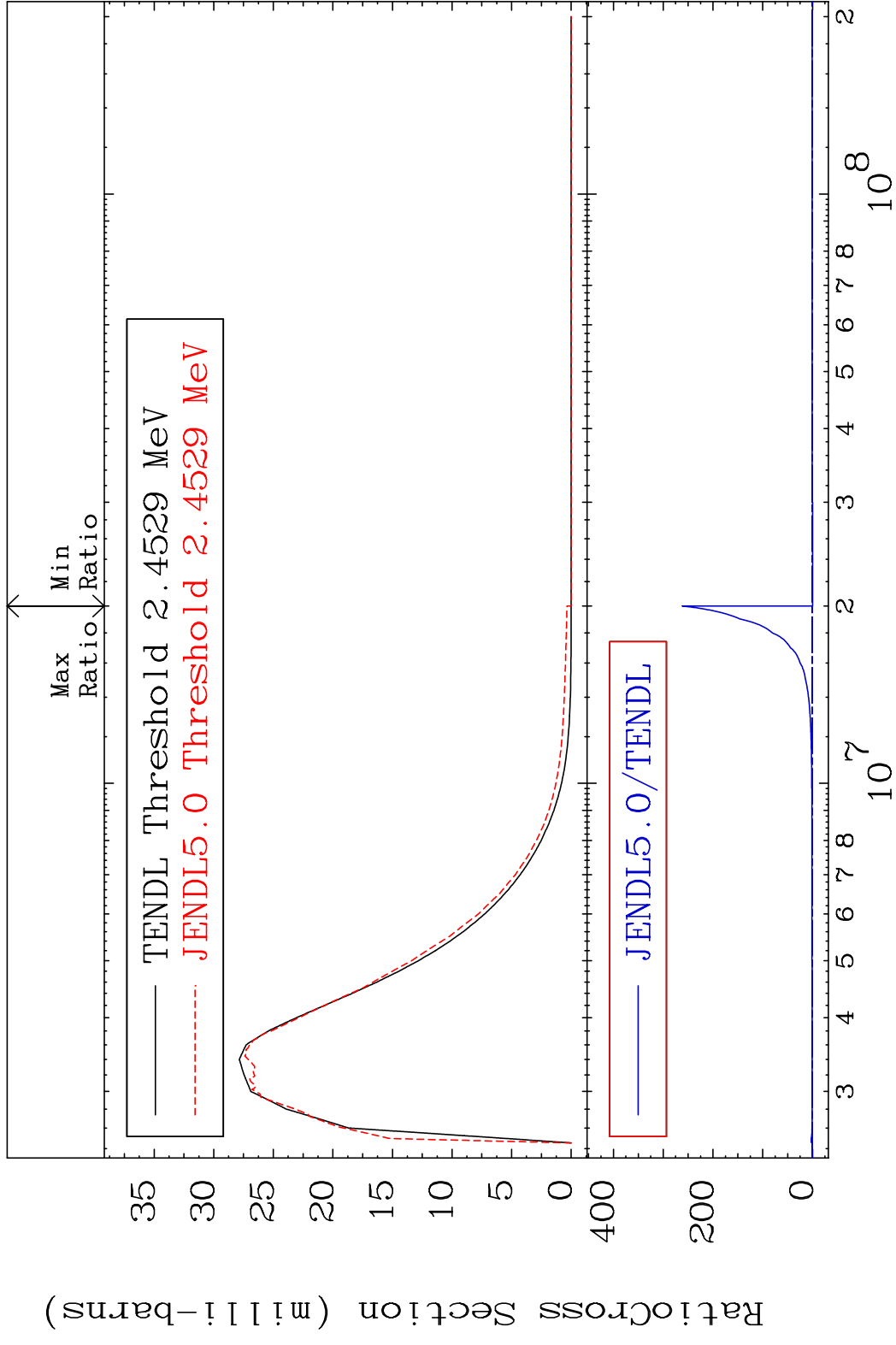
MAT 2519 MT= 54 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 141.0 %



MAT 2519 MT= 55 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %

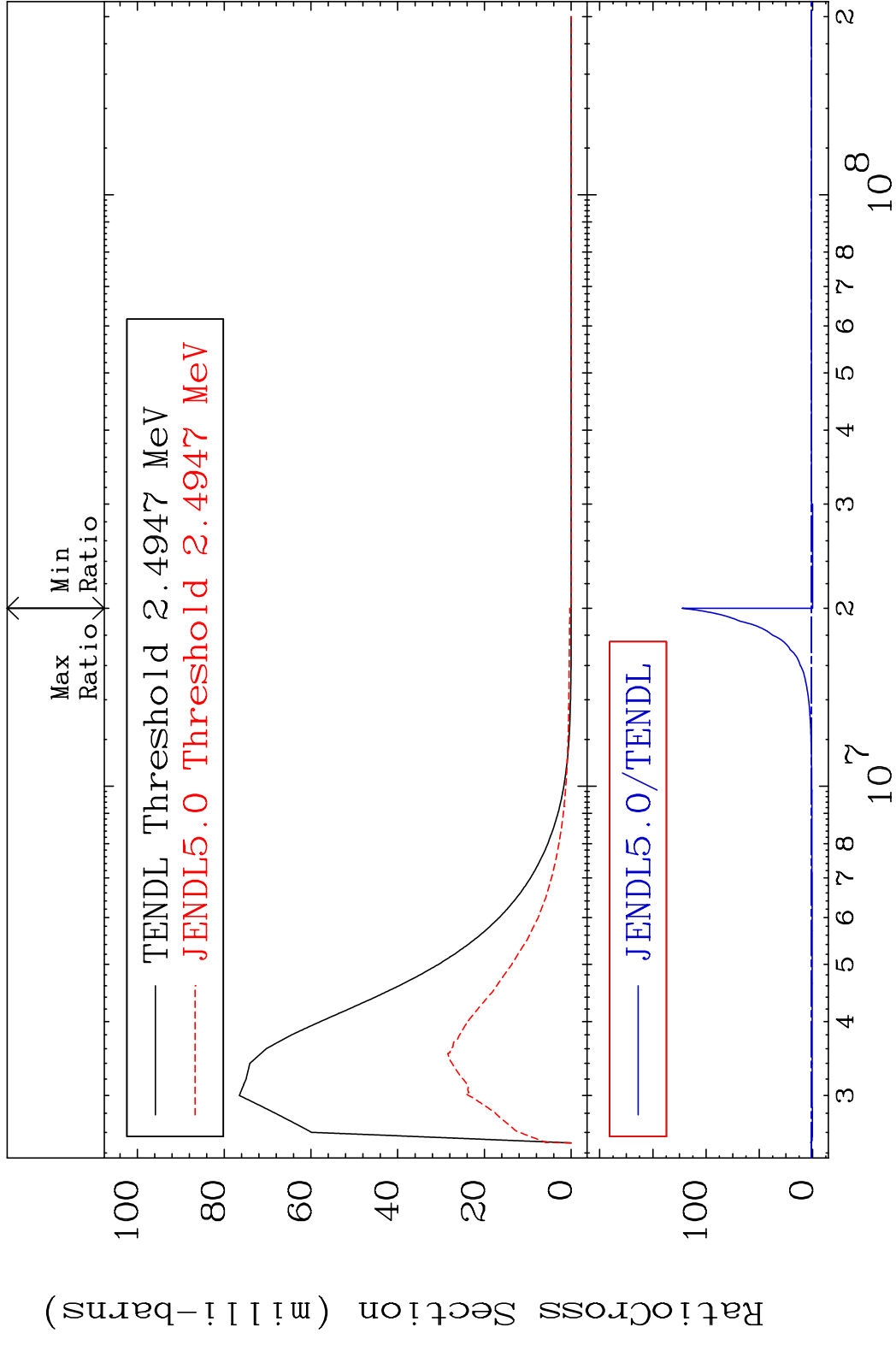


MAT 2519 MT= 56 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %

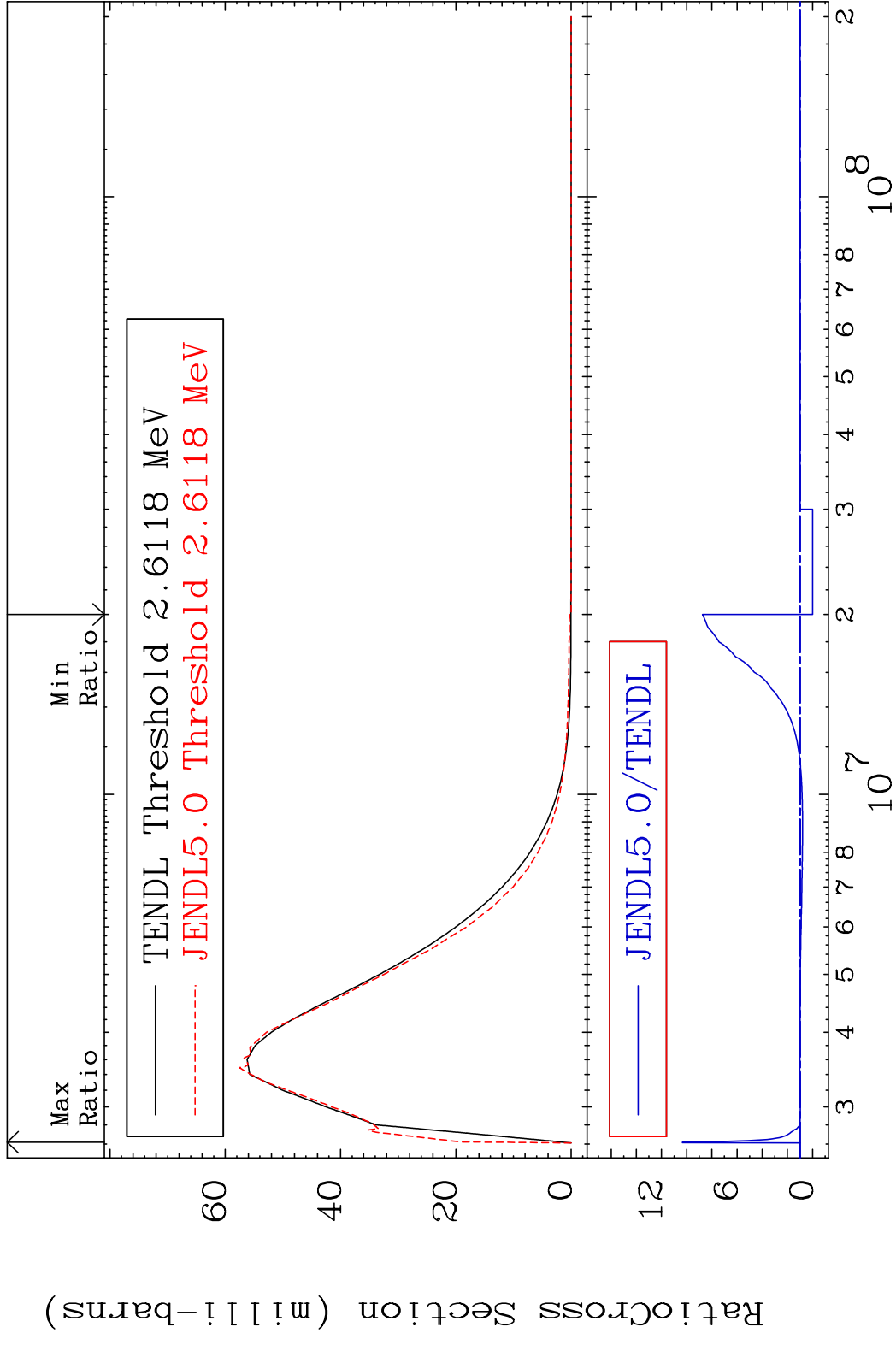


14 Incident Energy (eV) 25-Mn-53

MAT 2519 MT= 57 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %

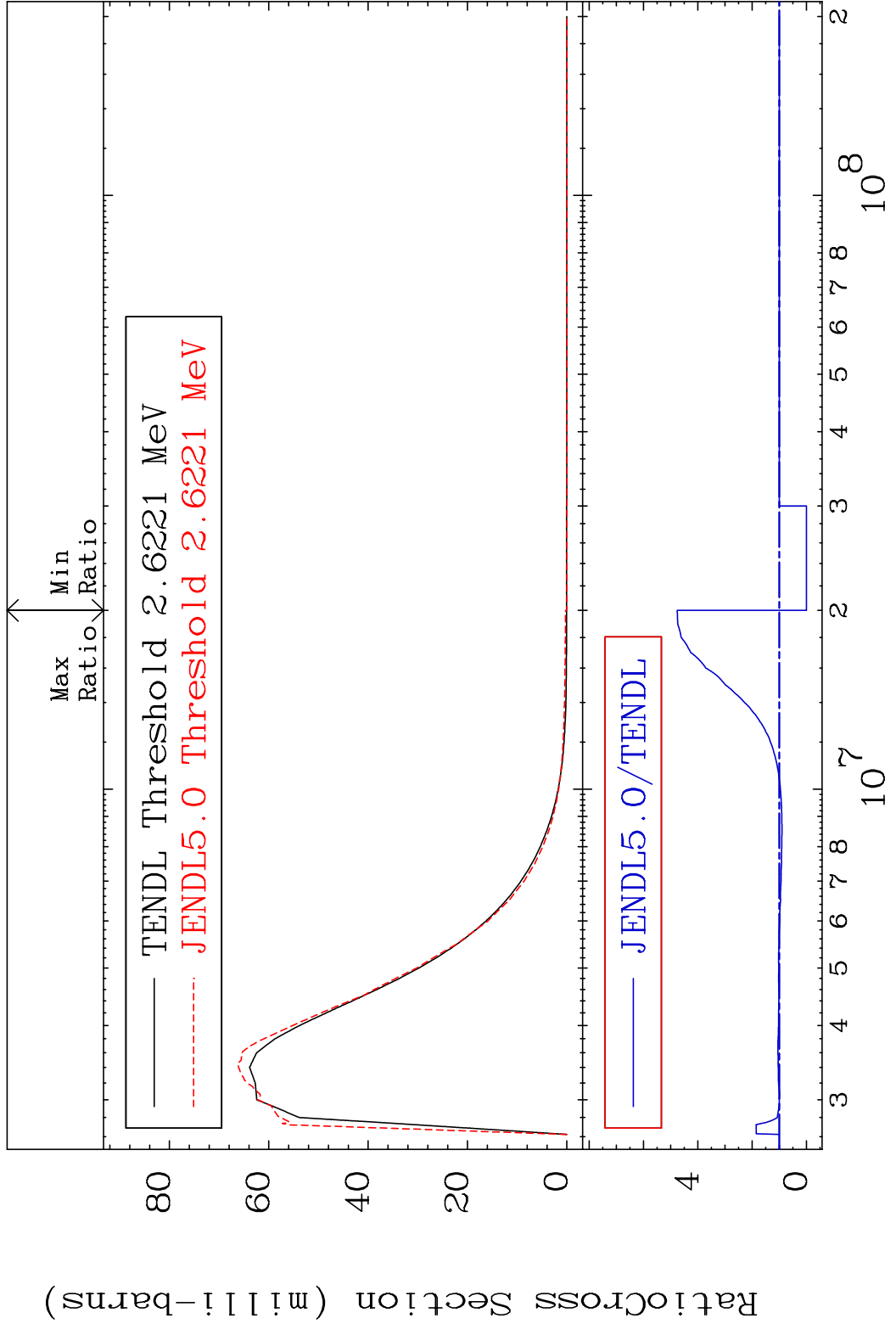


MAT 2519 MT= 58 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 934.3 %



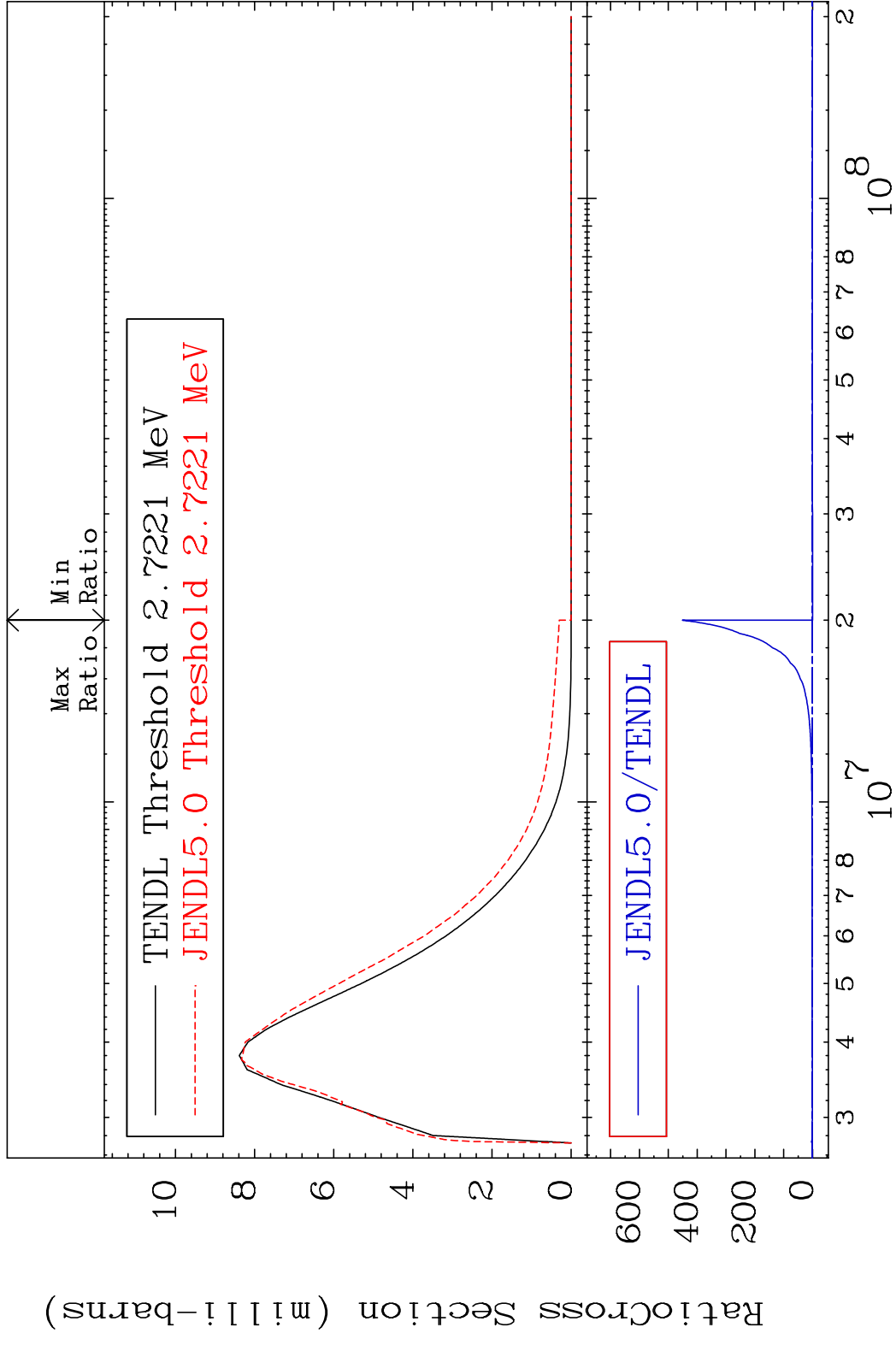
16 25-Mn-53

MAT 2519 MT= 59 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 375.7 %

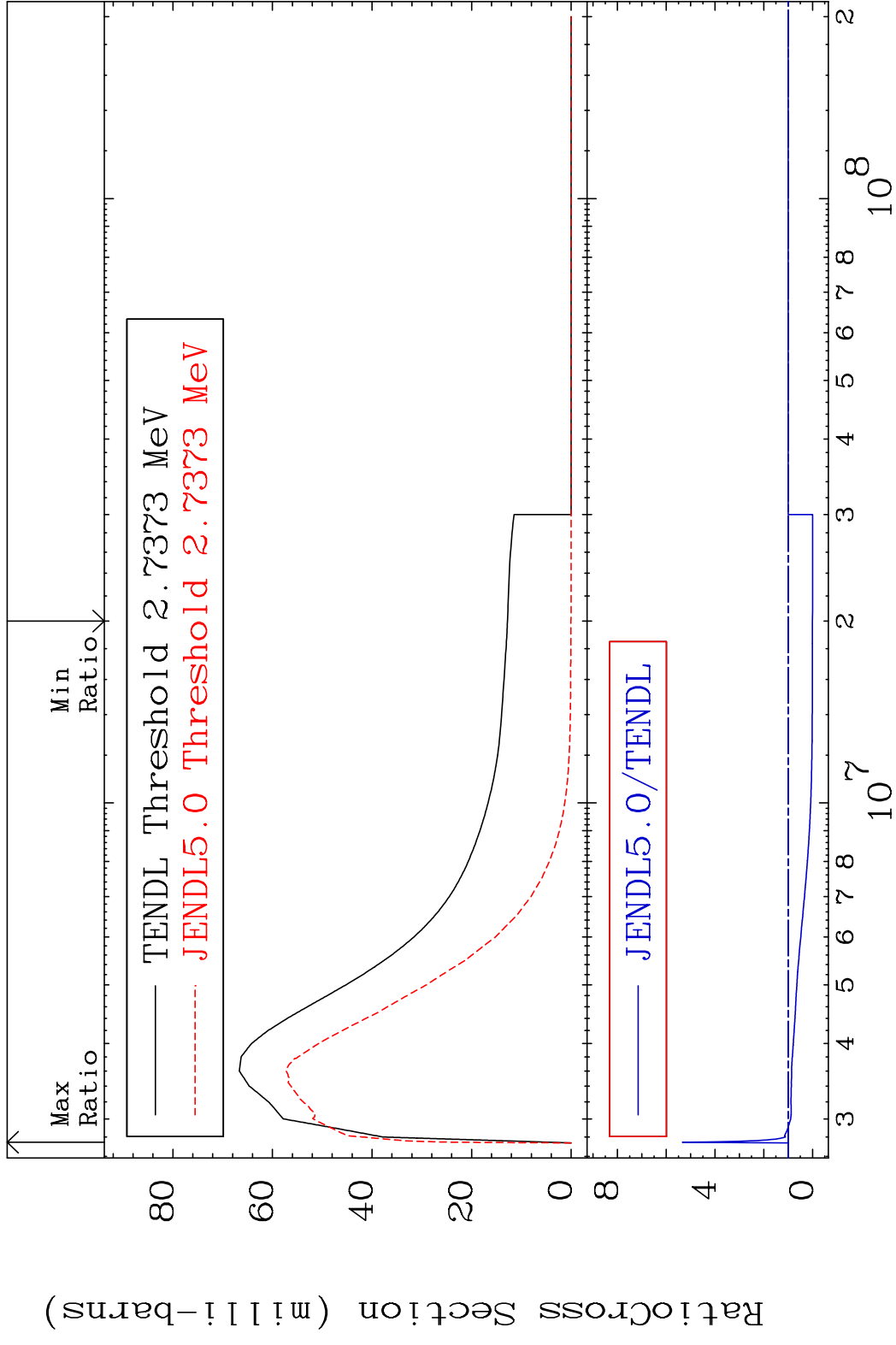


17 25-Mn-53

MAT 2519 MT= 60 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %

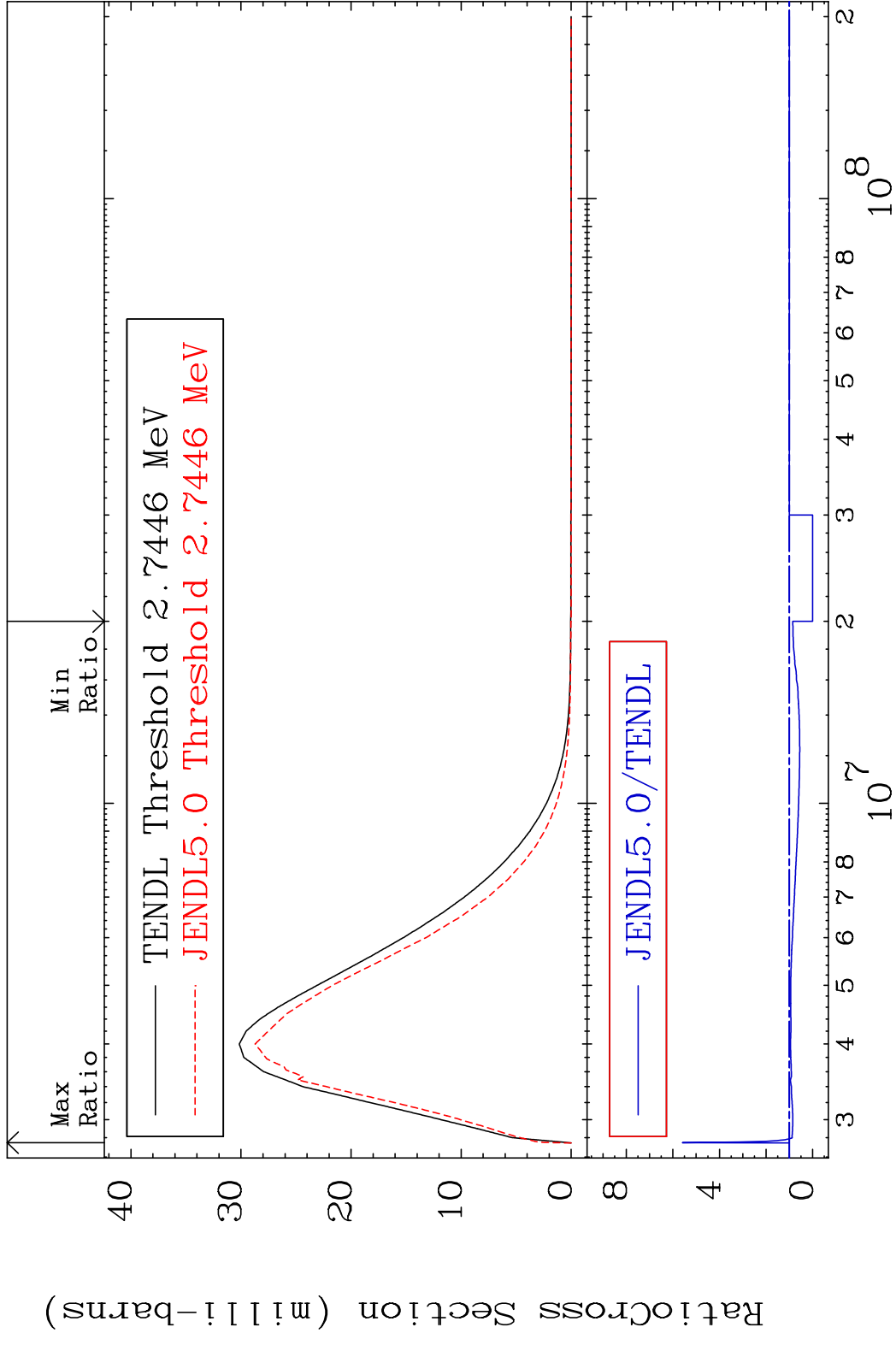


MAT 2519 MT= 61 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 433.9 %



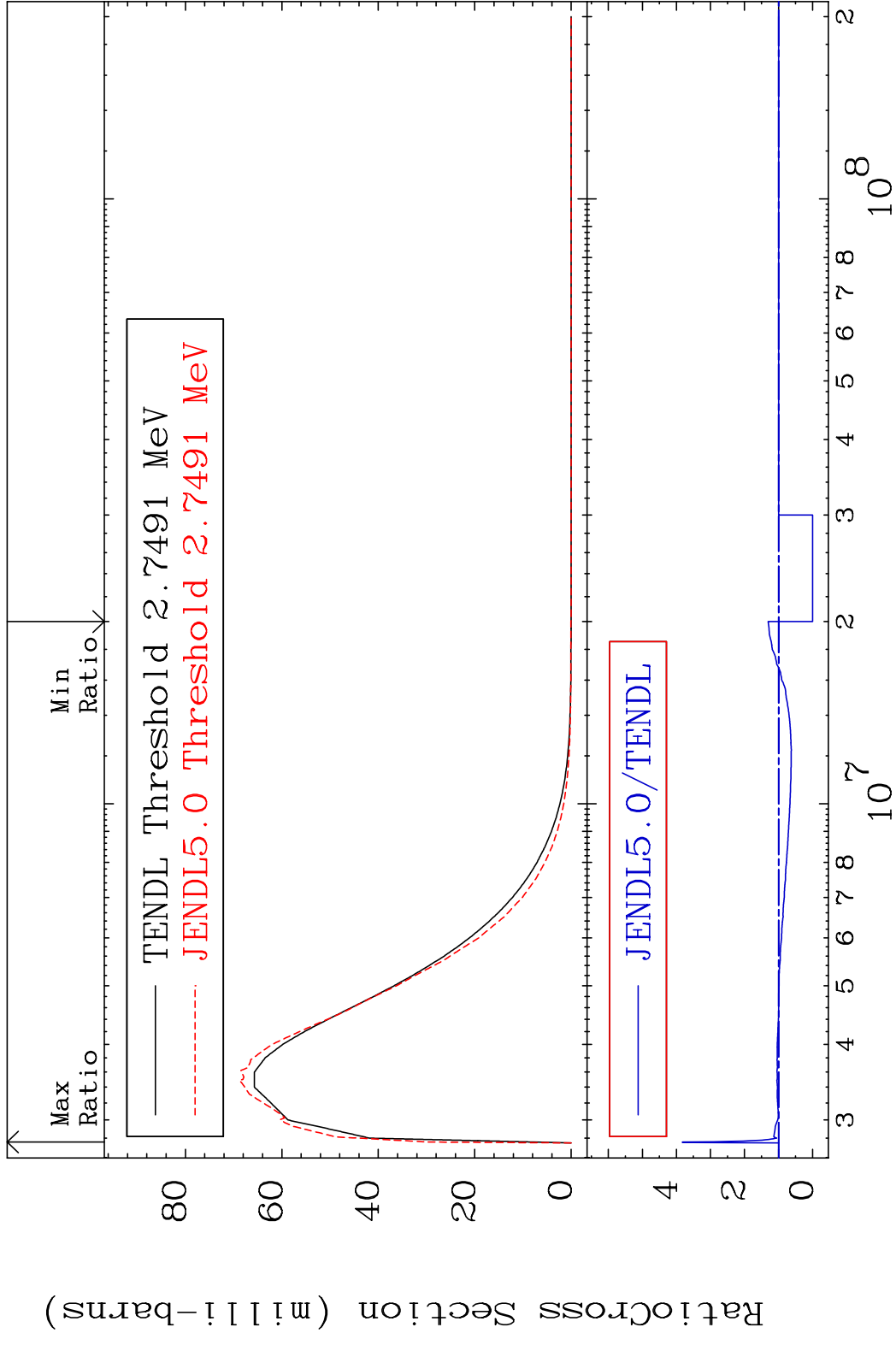
19 Incident Energy (eV) 25-Mn-53

MAT 2519 MT= 62 (n,n') Level 25-Mn-53
 Cross Section -100.0 To 459.4 %

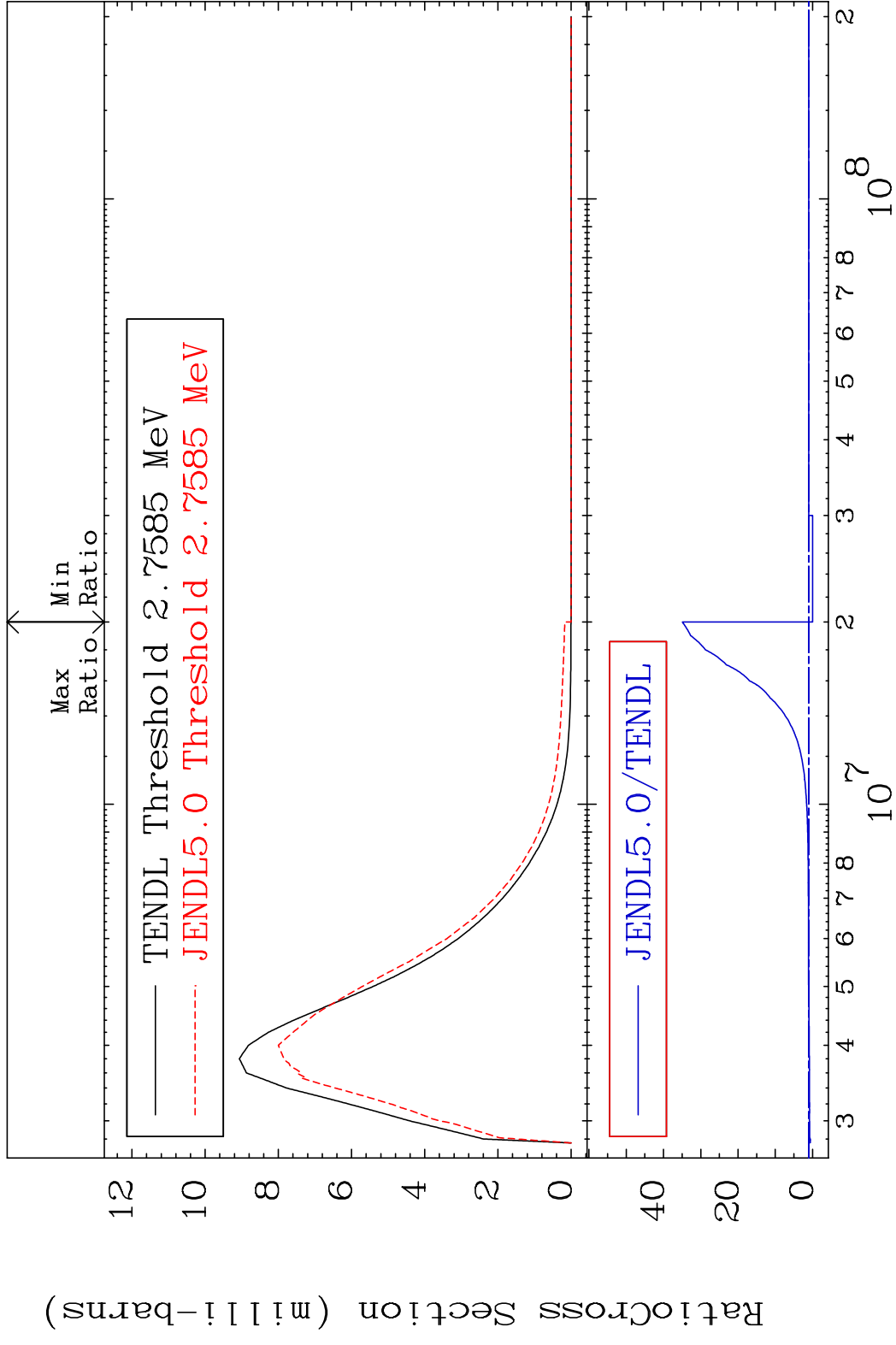


20 Incident Energy (eV) 25-Mn-53

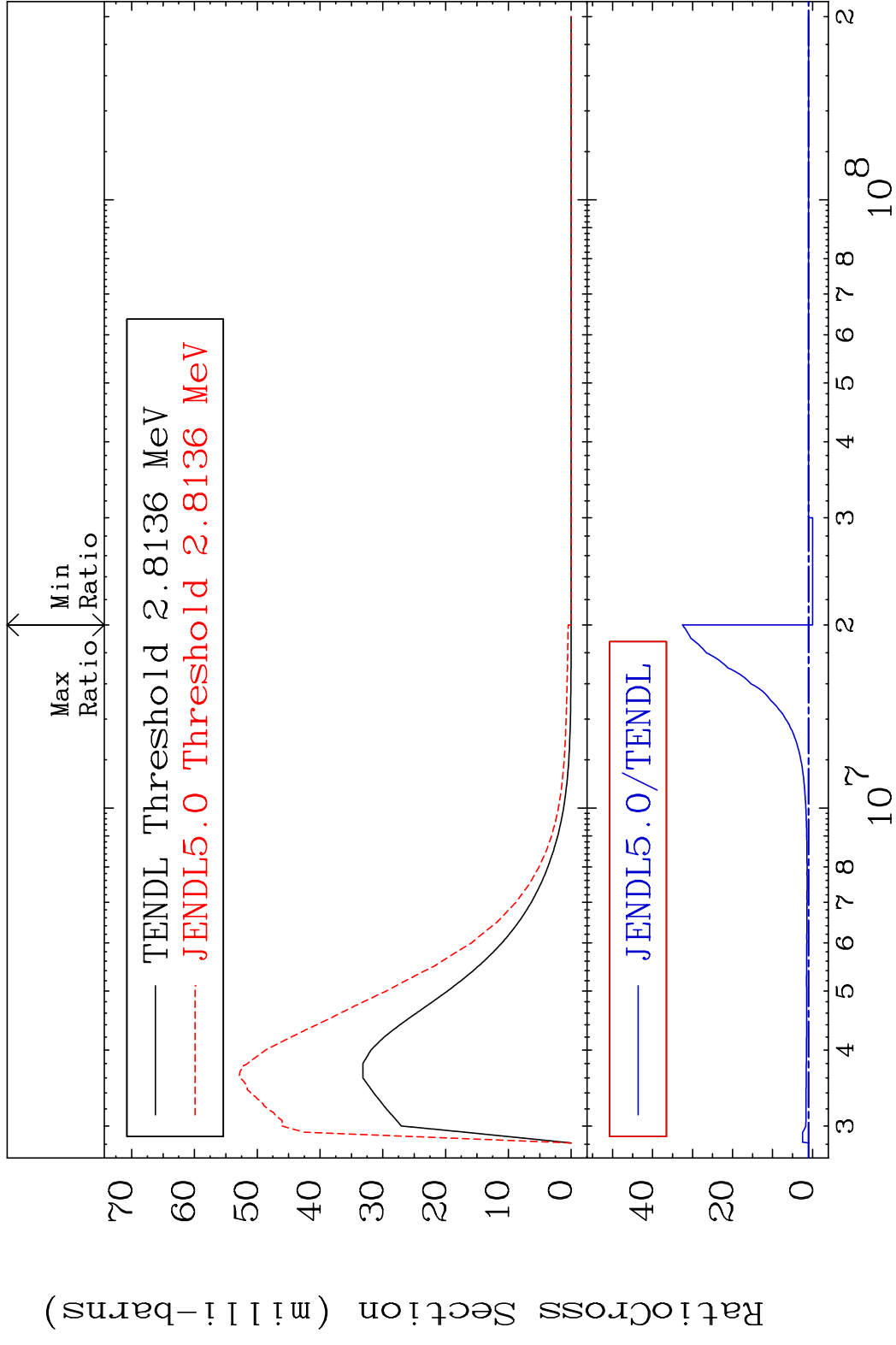
MAT 2519 MT= 63 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 282.6 %



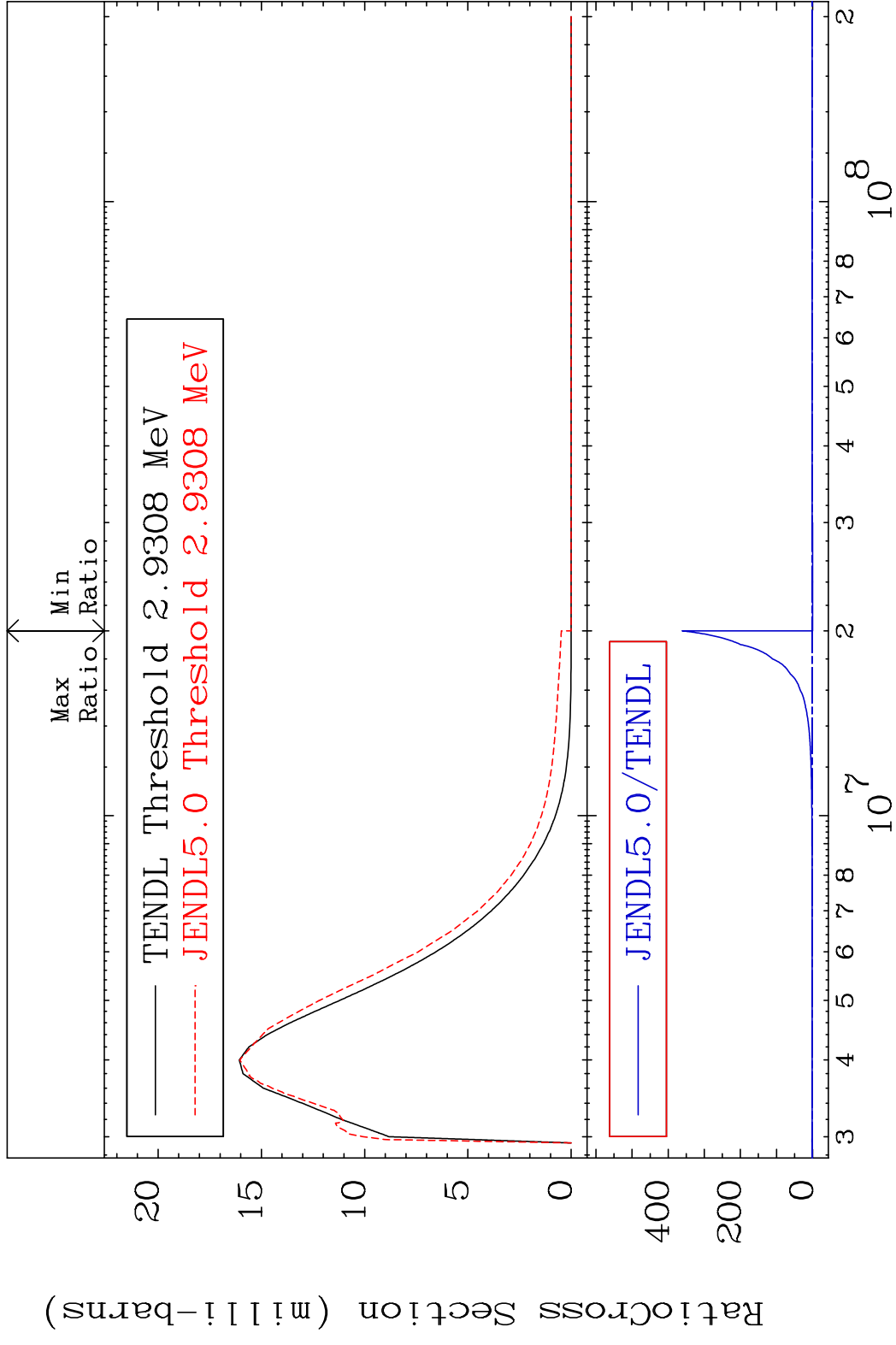
MAT 2519 MT= 64 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 3394. %



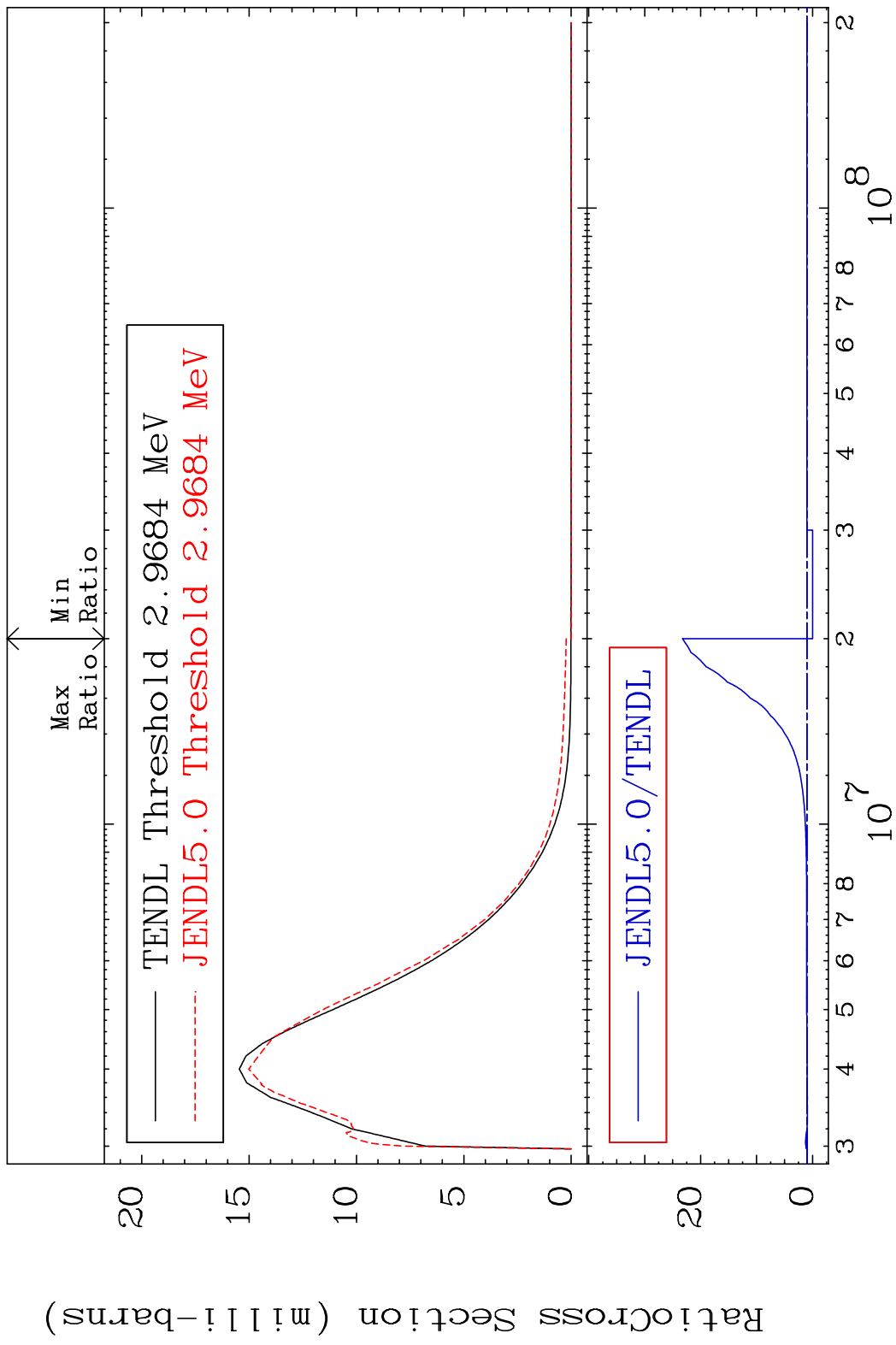
MAT 2519 MT= 65 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 3155. %



MAT 2519 MT= 66 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %

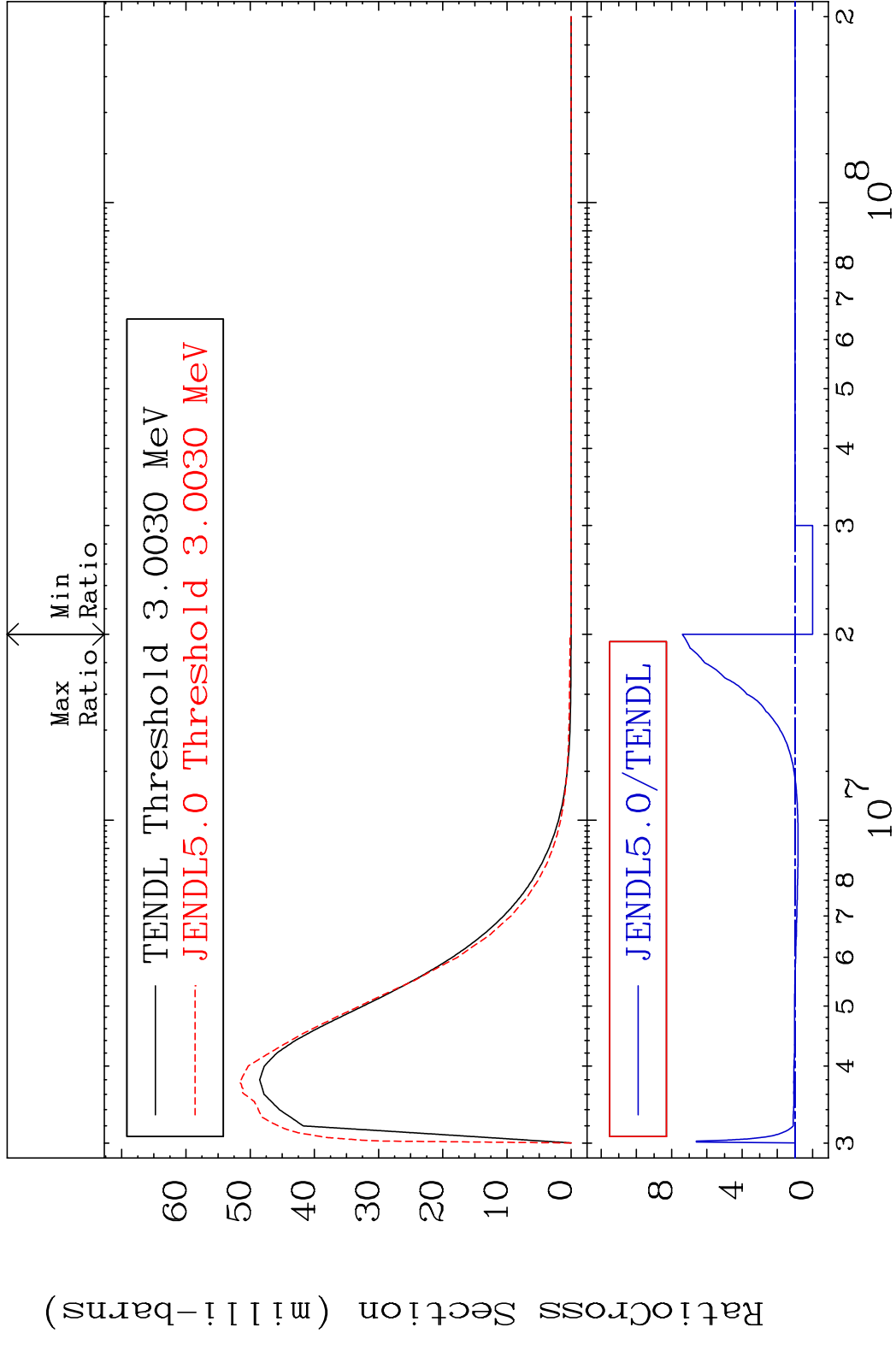


MAT 2519 MT= 67 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 2227. %

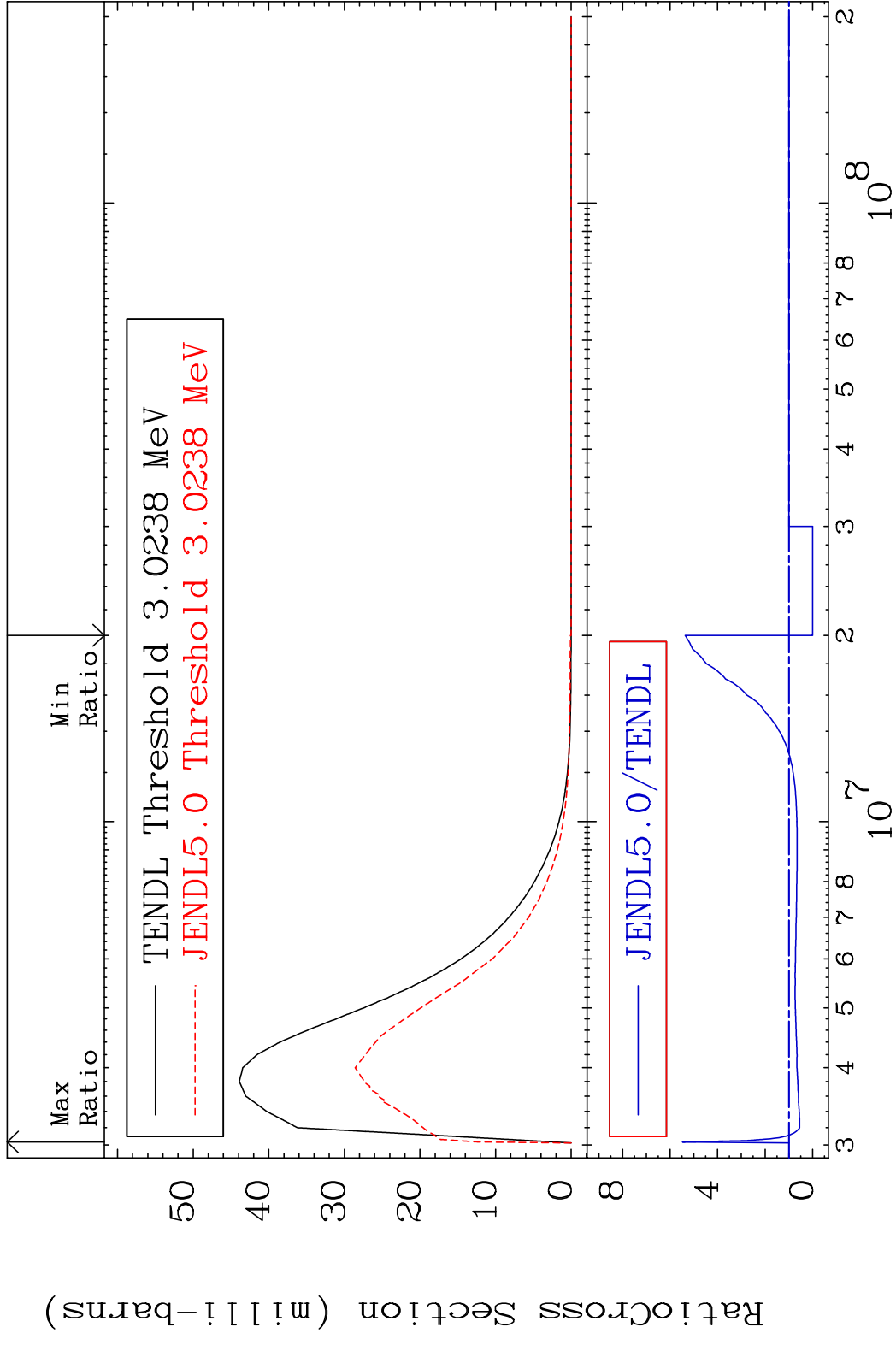


25 25-Mn-53

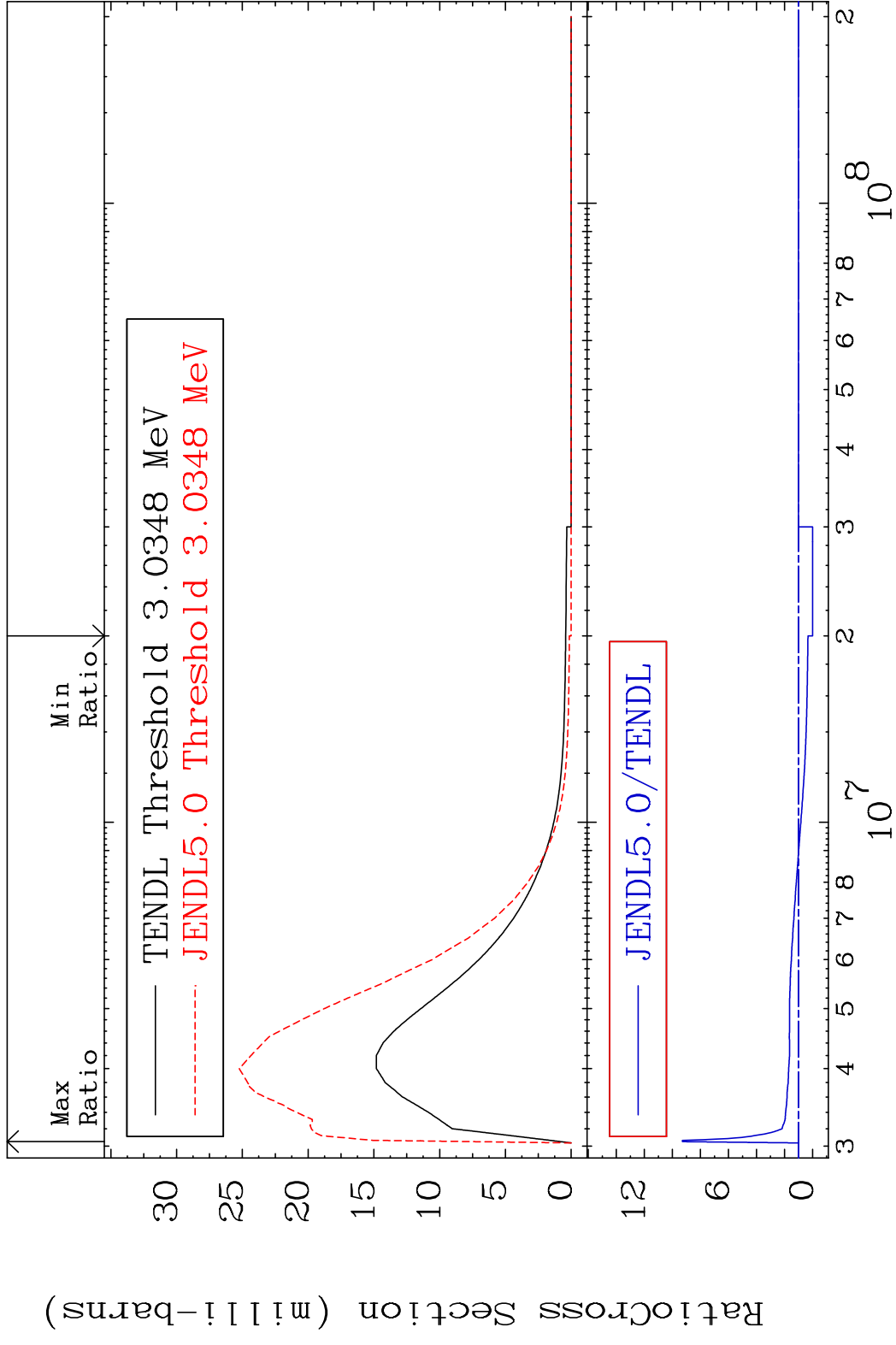
MAT 2519 MT= 68 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 639.2 %



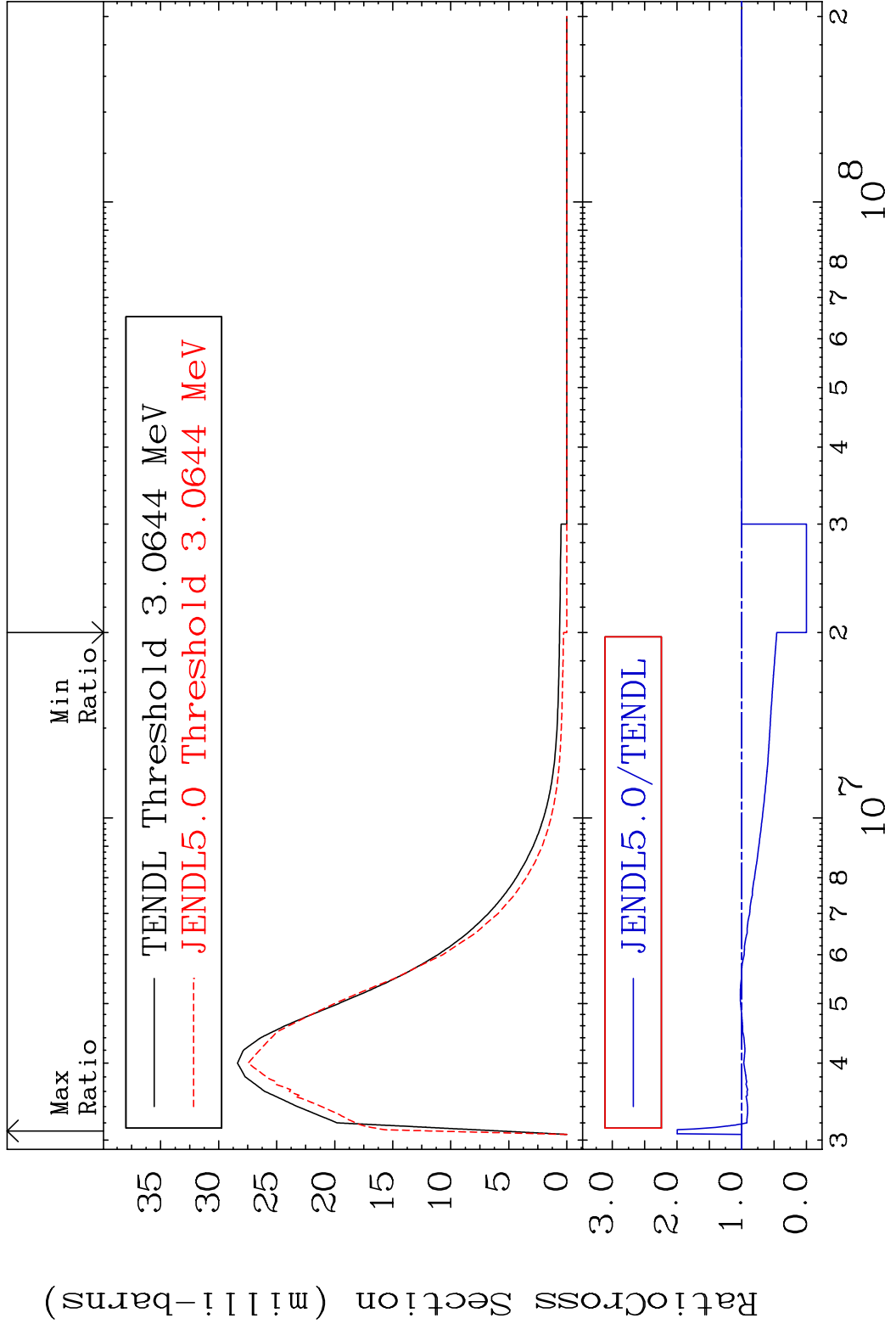
MAT 2519 MT= 69 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 448.2 %



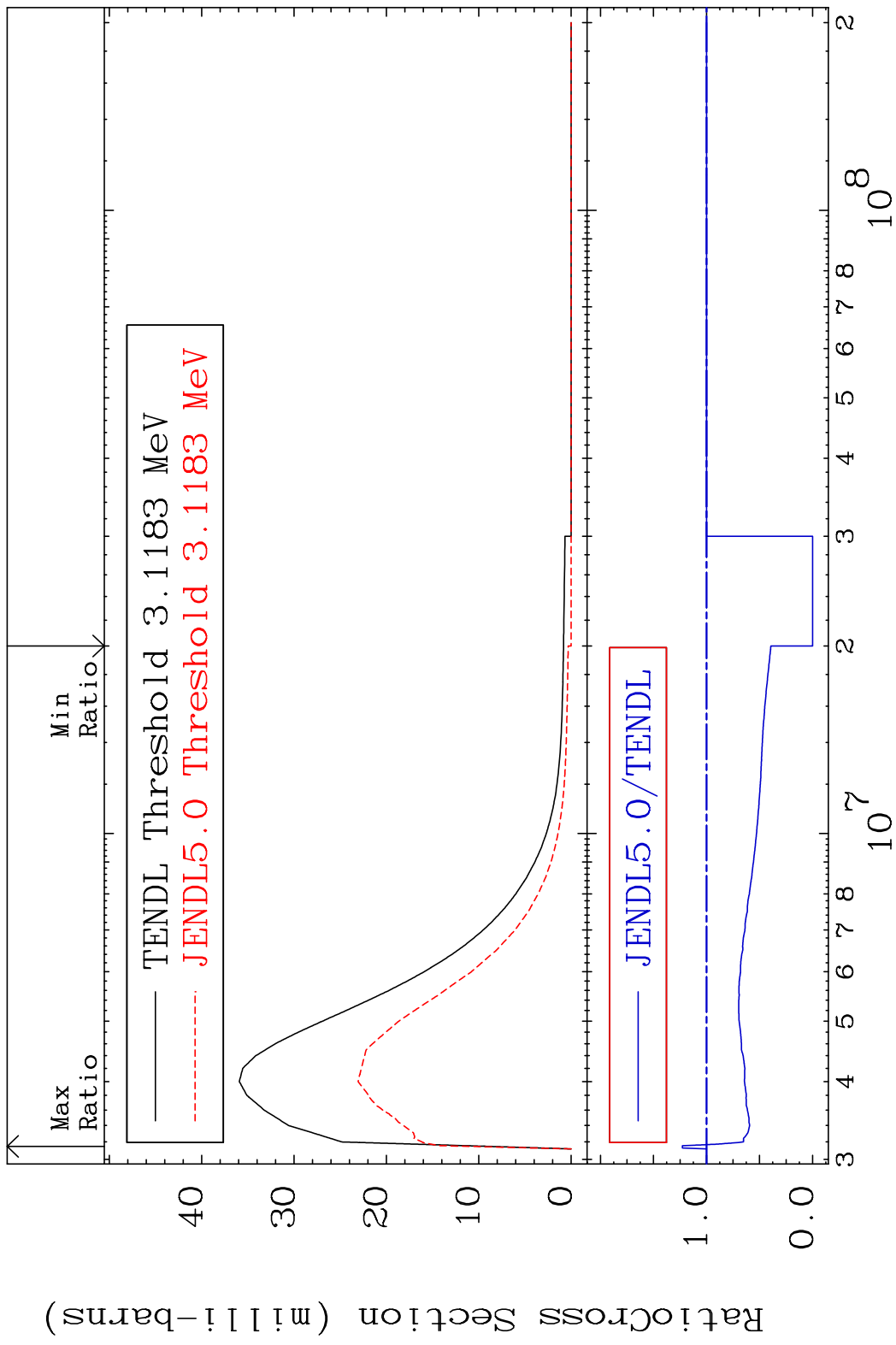
MAT 2519 MT= 70 (n,n') Level 25-Mn-53
 Cross Section -100.0 To 829.0 %



MAT 2519 MT= 71 (n,n') Level 25-Mn-53
 Cross Section -100.0 To 99.73 %

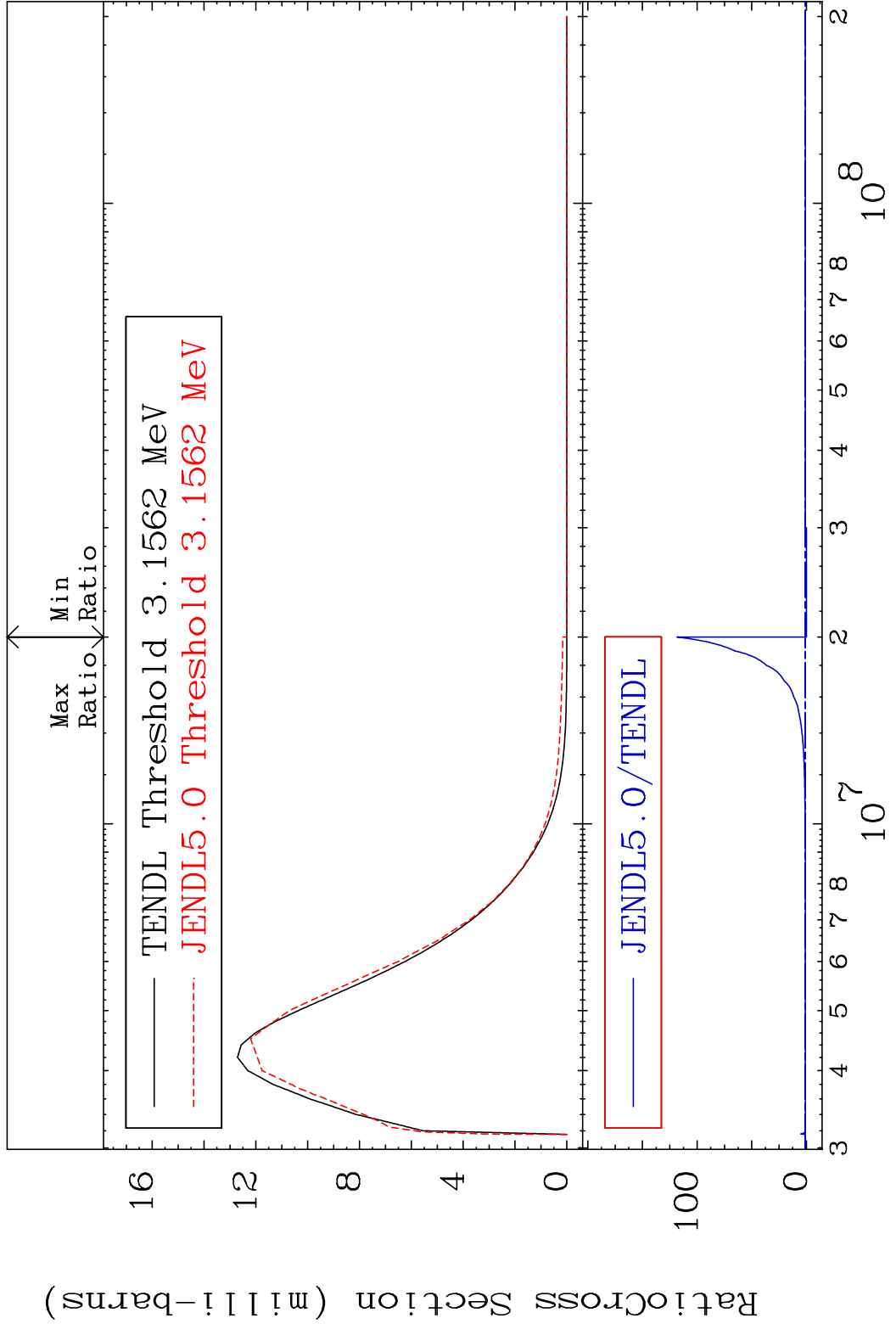


MAT 2519 MT= 72 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 22.80 %

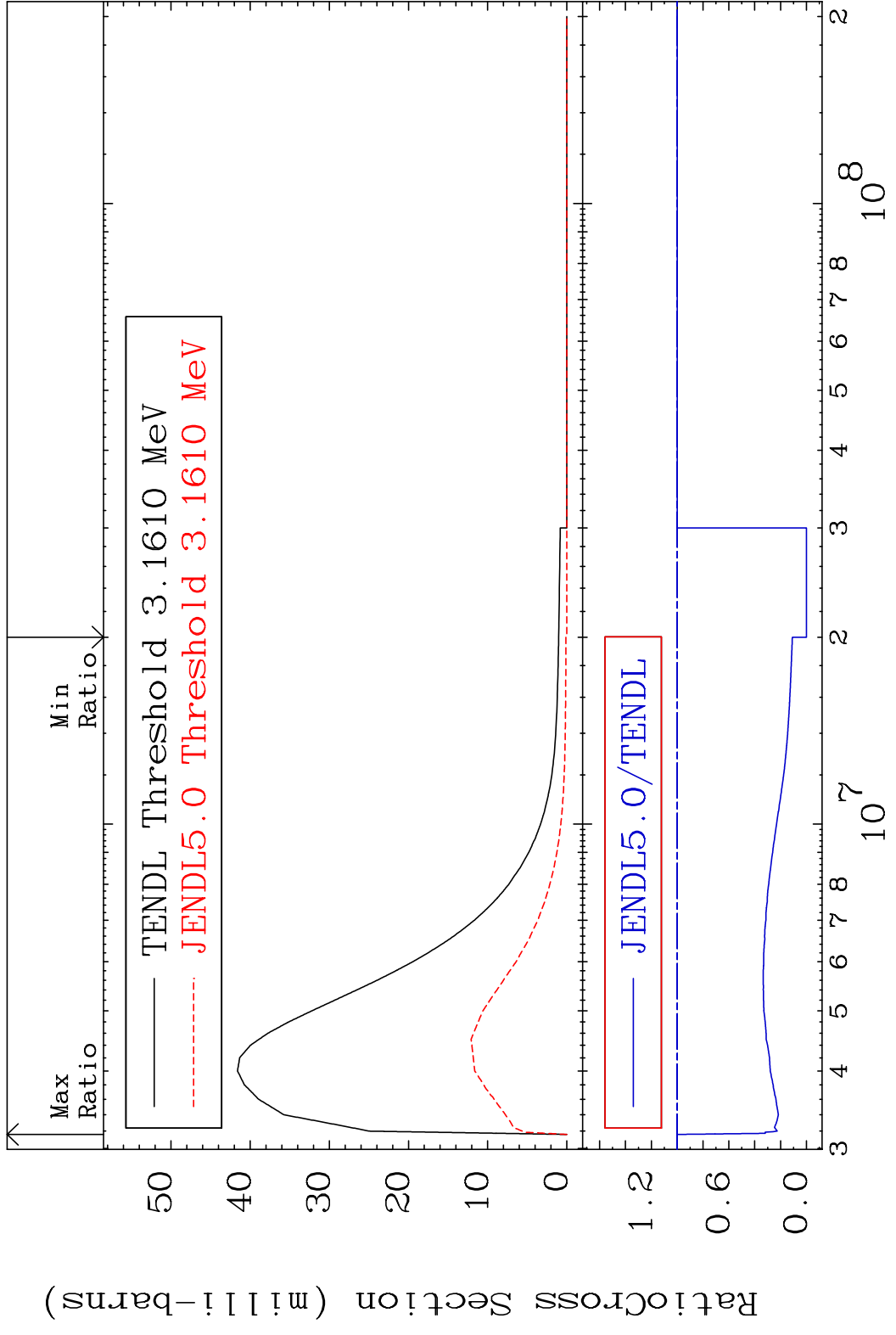


30 Incident Energy (eV) 25-Mn-53

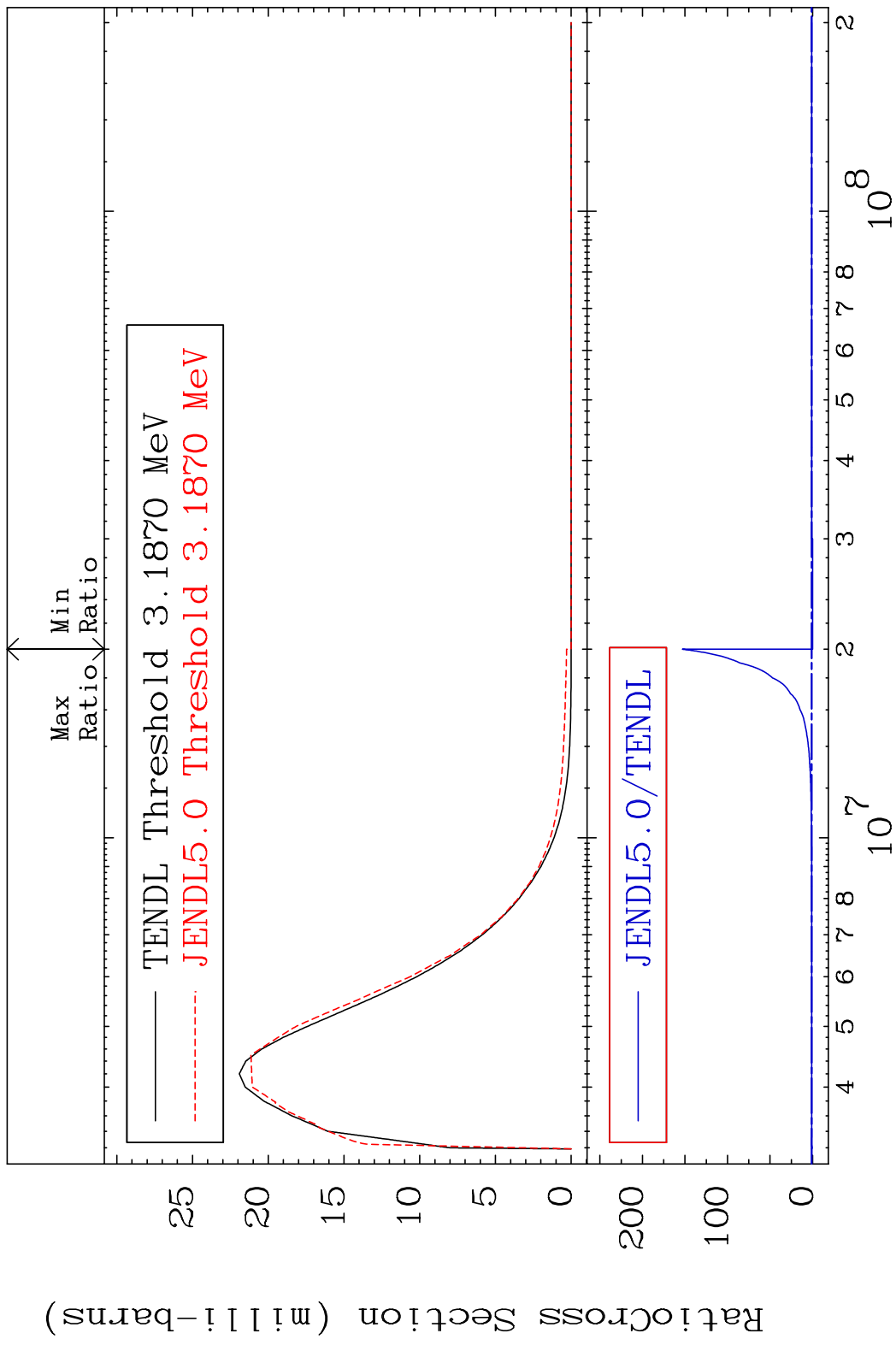
MAT 2519 MT= 73 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %



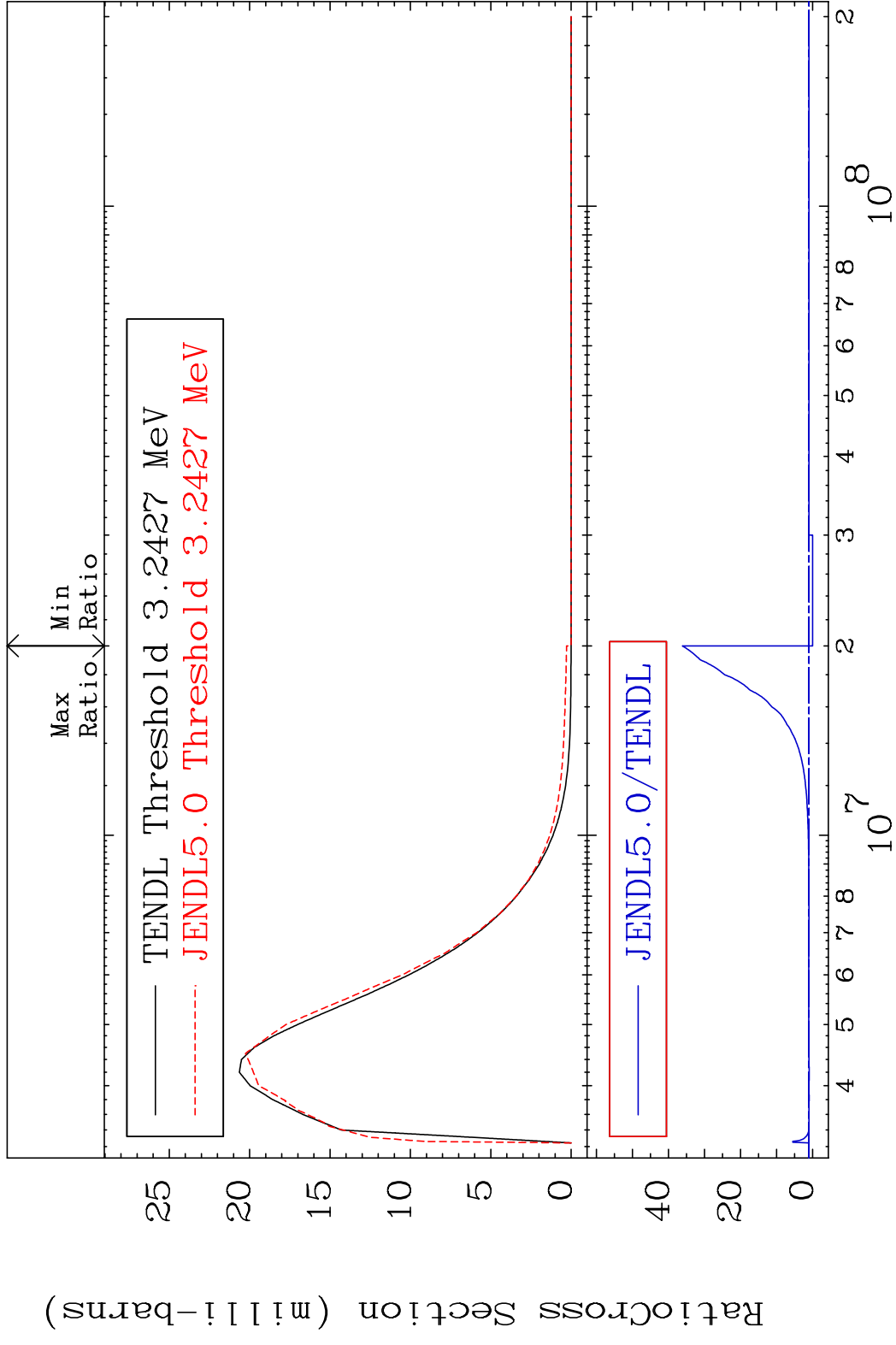
MAT 2519 MT= 74 (n,n') Level 25-Mn-53
 Cross Section -100.0 To 0.000 %



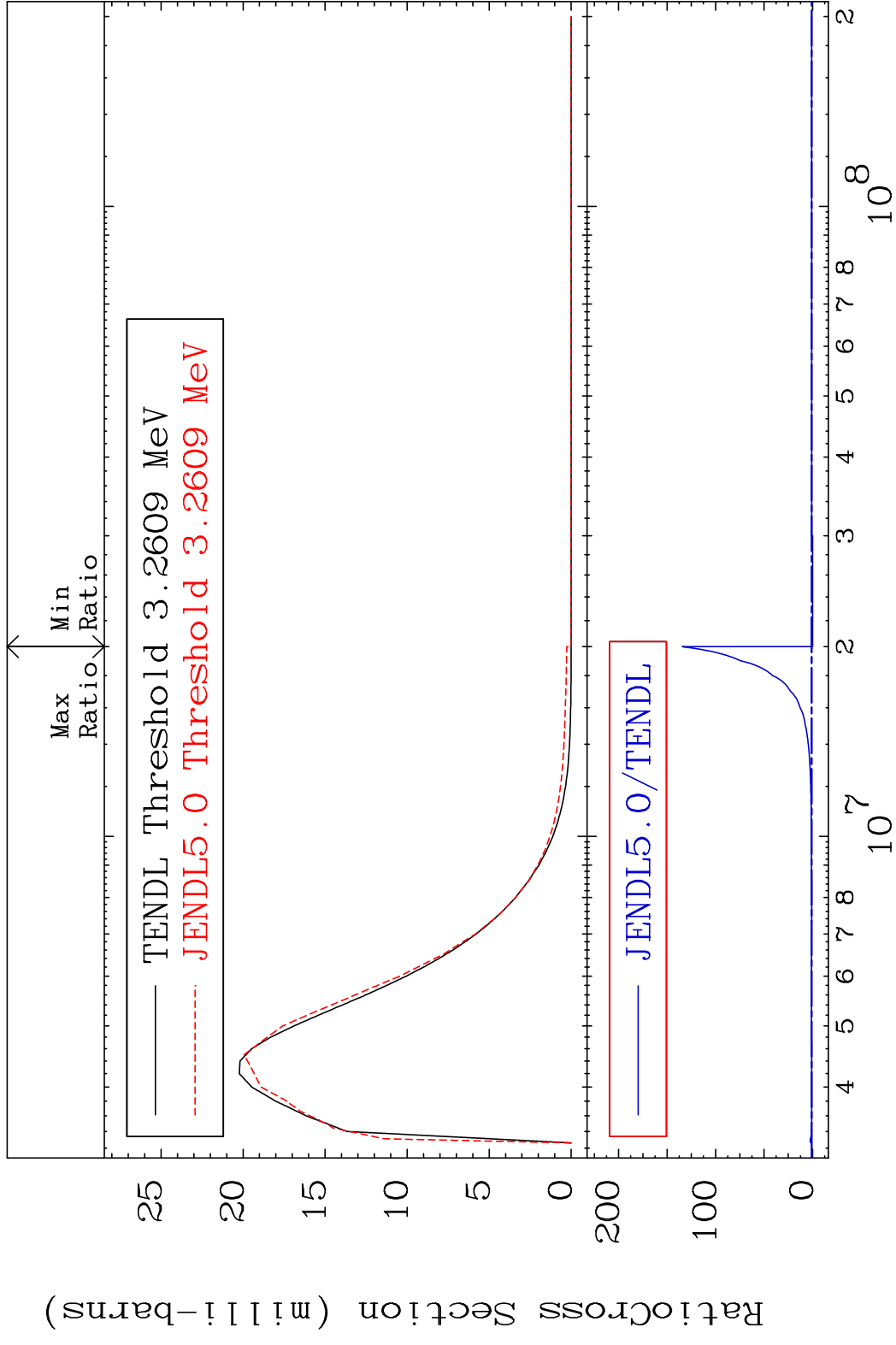
MAT 2519 MT= 75 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %



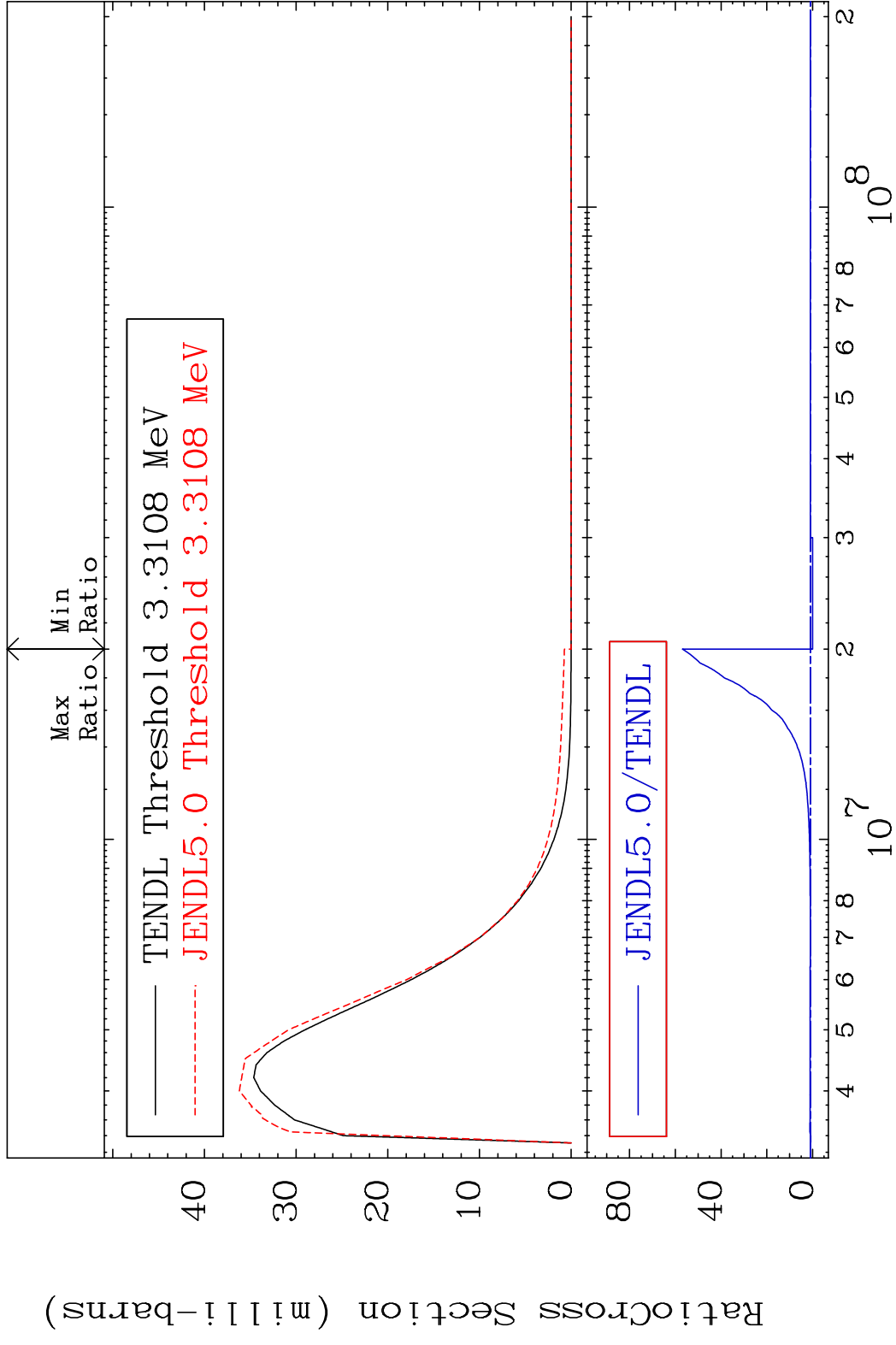
MAT 2519 MT= 76 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 3514. %



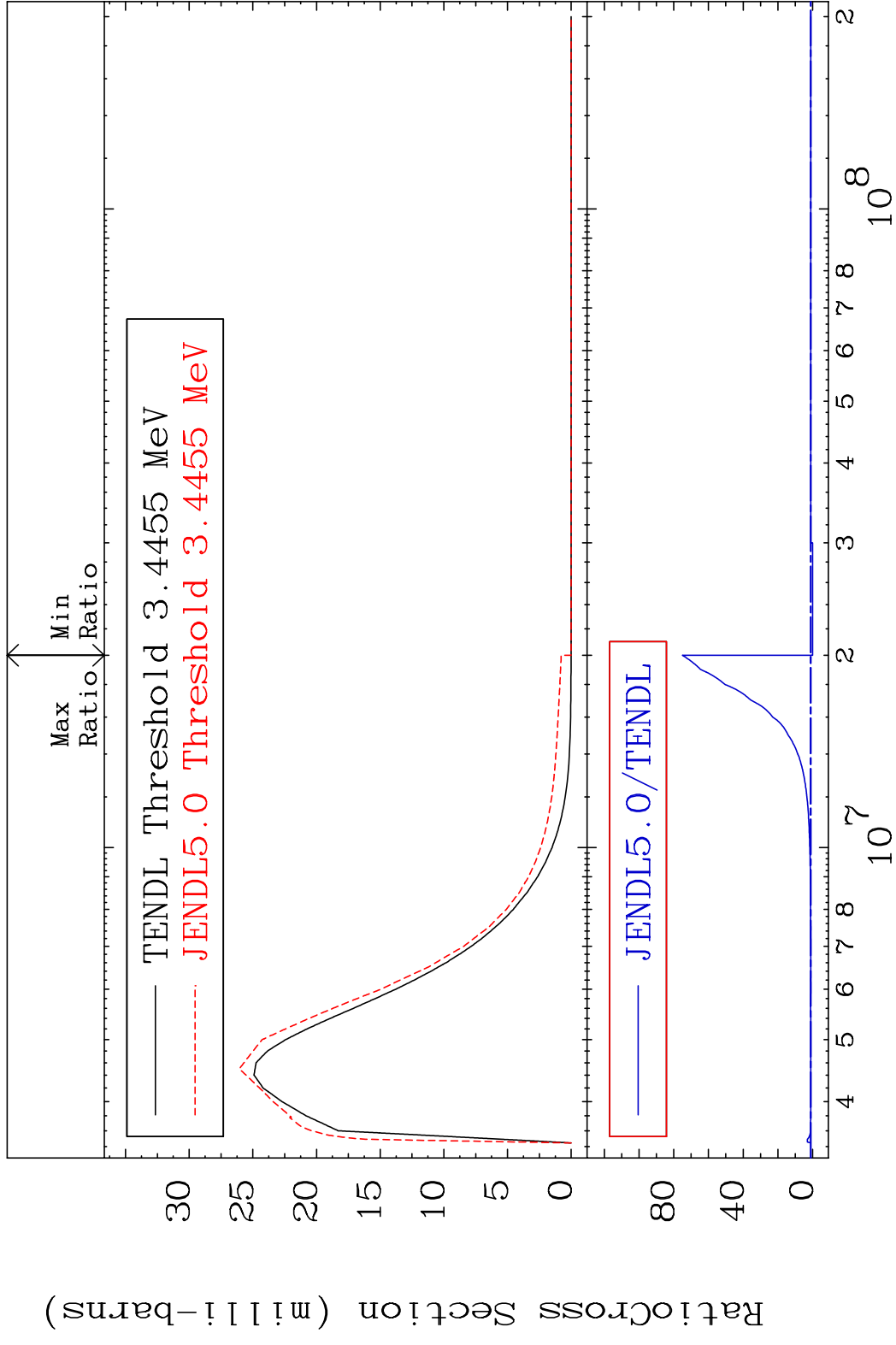
MAT 2519 MT= 77 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %



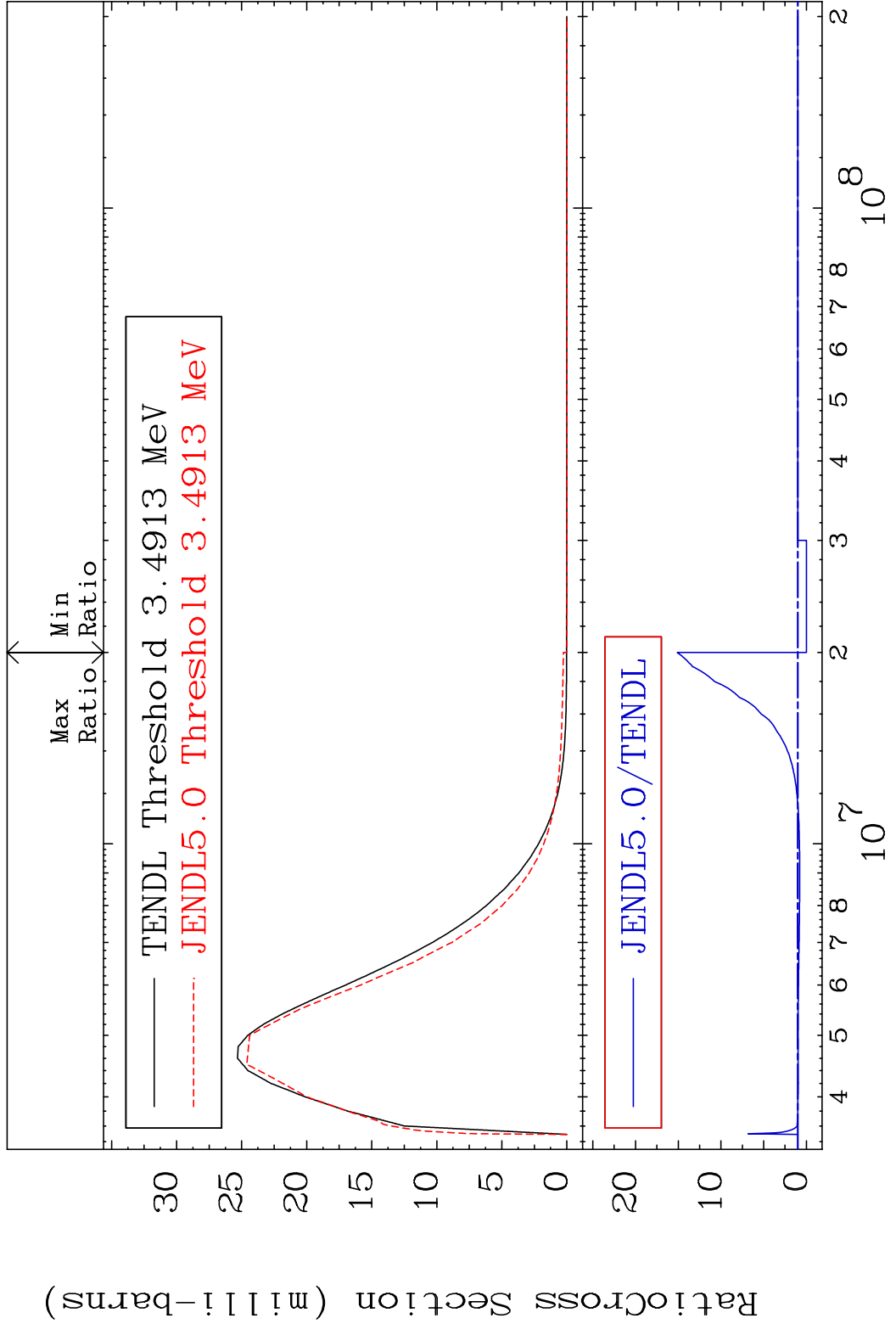
MAT 2519 MT= 78 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 5592. %



MAT 2519 MT= 79 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 7406. %



MAT 2519 MT= 80 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 1412. %

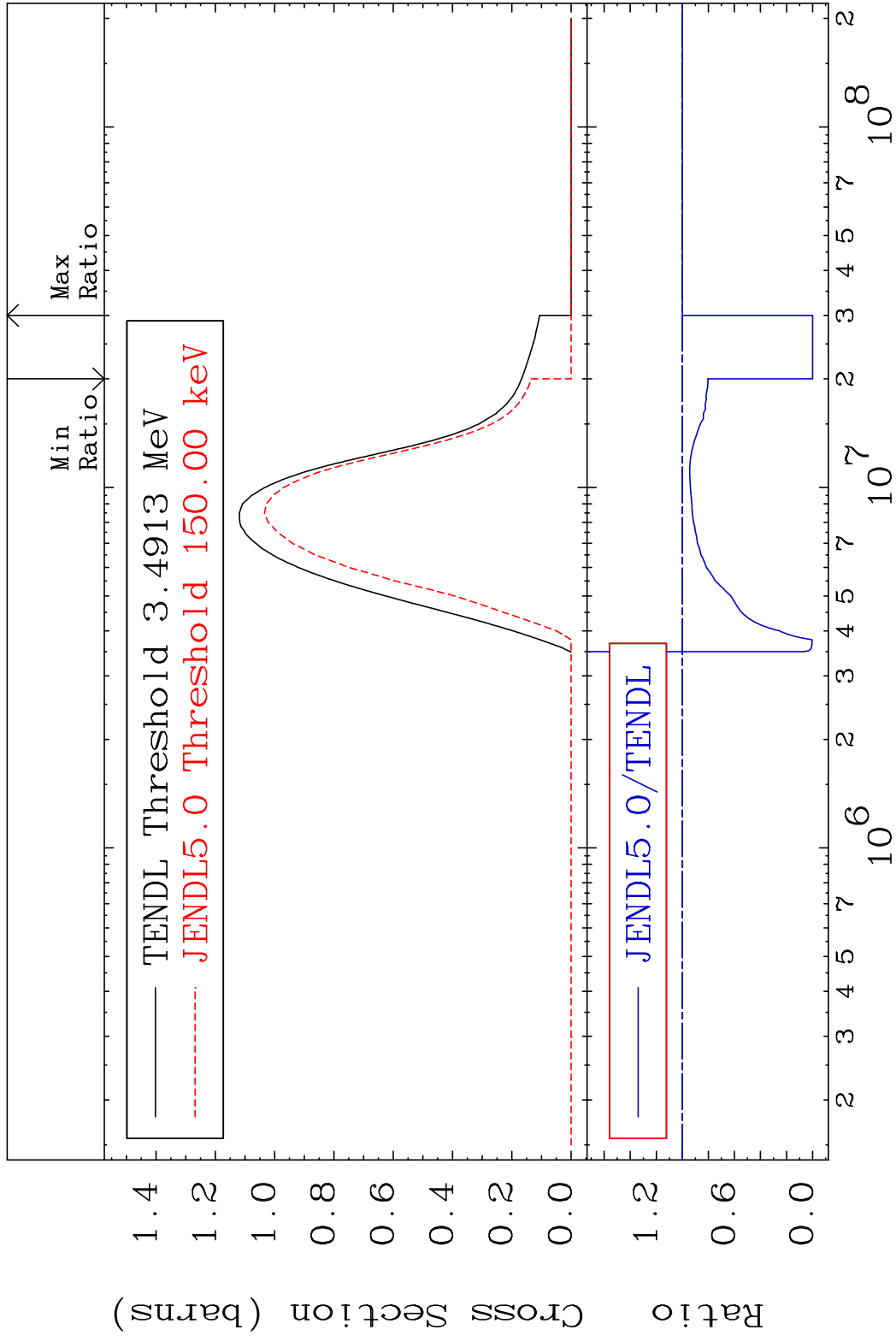


MAT 2519

(n,n') Continuum

25-Mn-53

Cross Section -100.0 To 0.000 %



39

Incident Energy (eV)

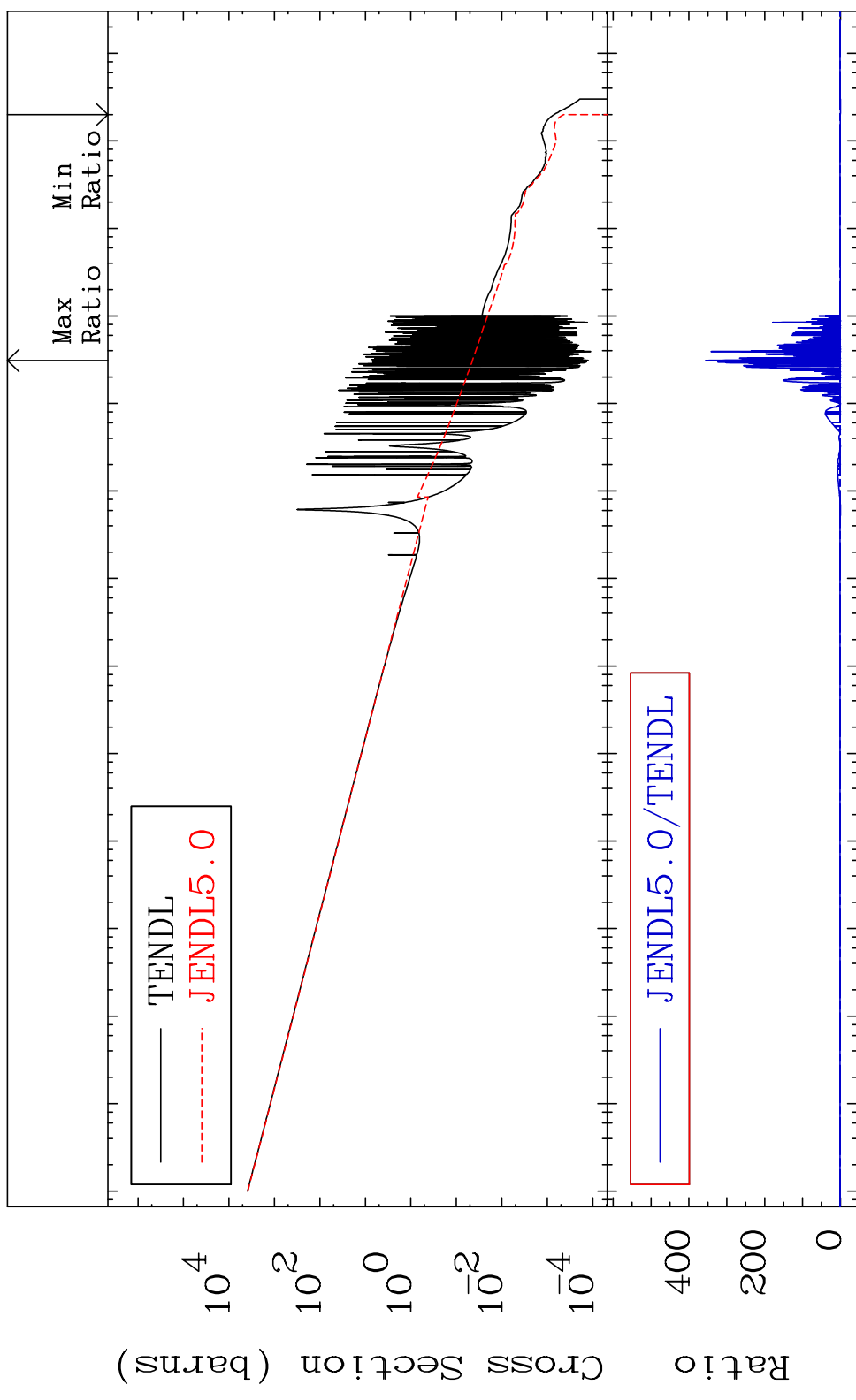
25-Mn-53

MAT 2519

(n, γ)

25-Mn-53

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

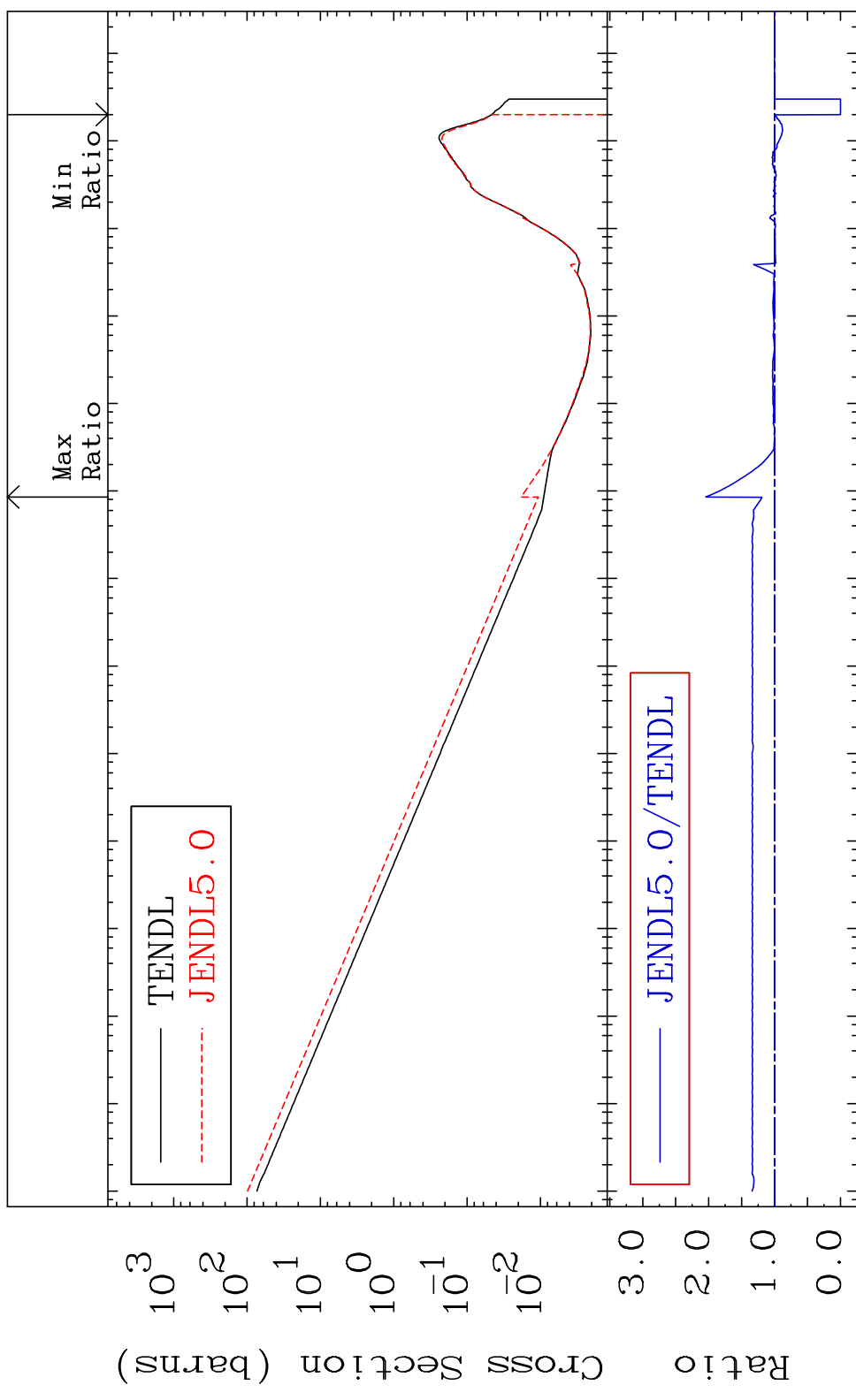
25-Mn-53

MAT 2519

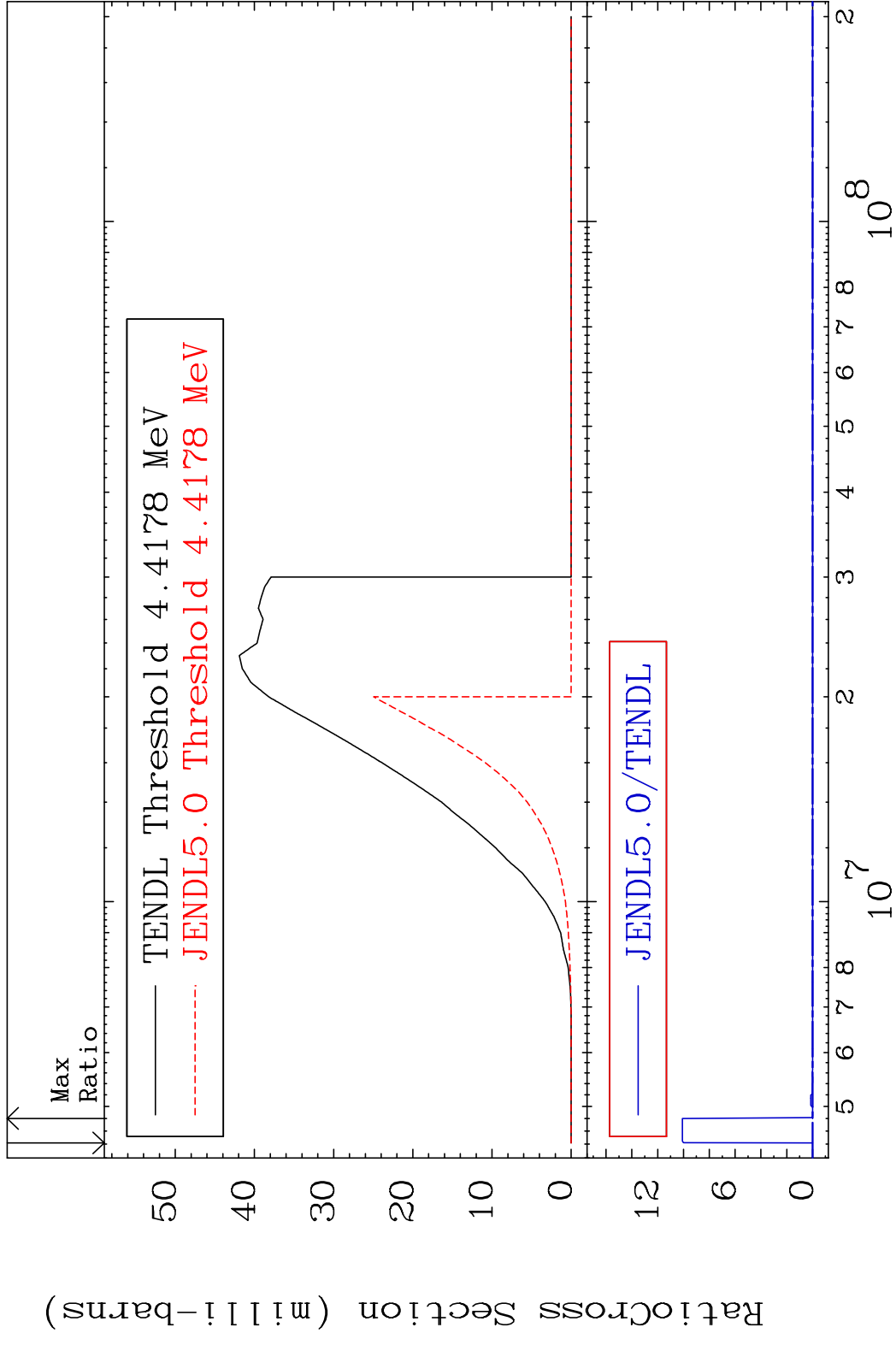
(n, p)

25-Mn-53

Cross Section -100.0 To 104.4 %



MAT 2519 (n,d) 25-Mn-53
 Cross Section -100.0 To 9999. %

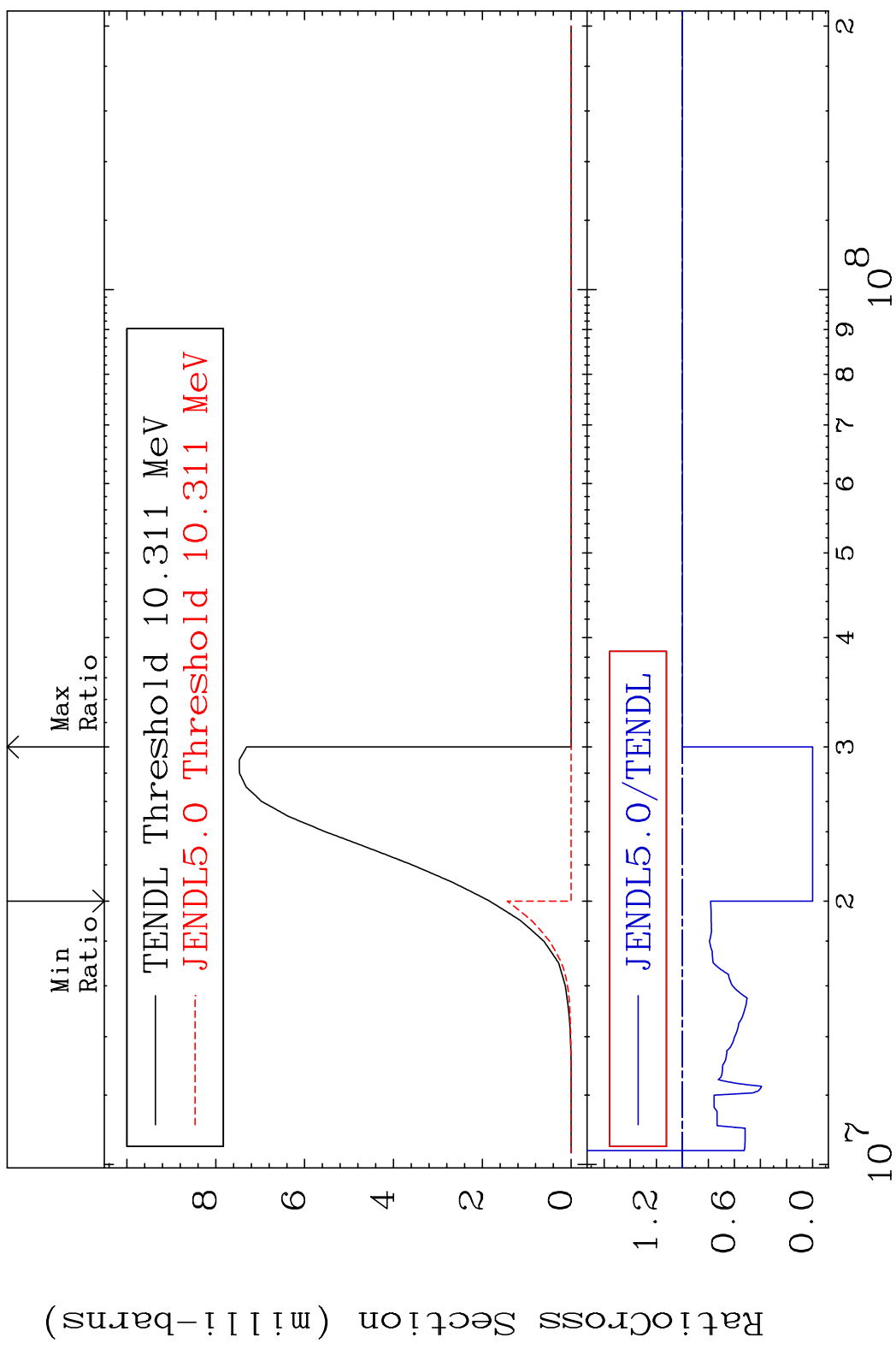


MAT 2519

(n, t)

25-Mn-53

Cross Section -100.0 To 0.000 %



43

Incident Energy (eV)

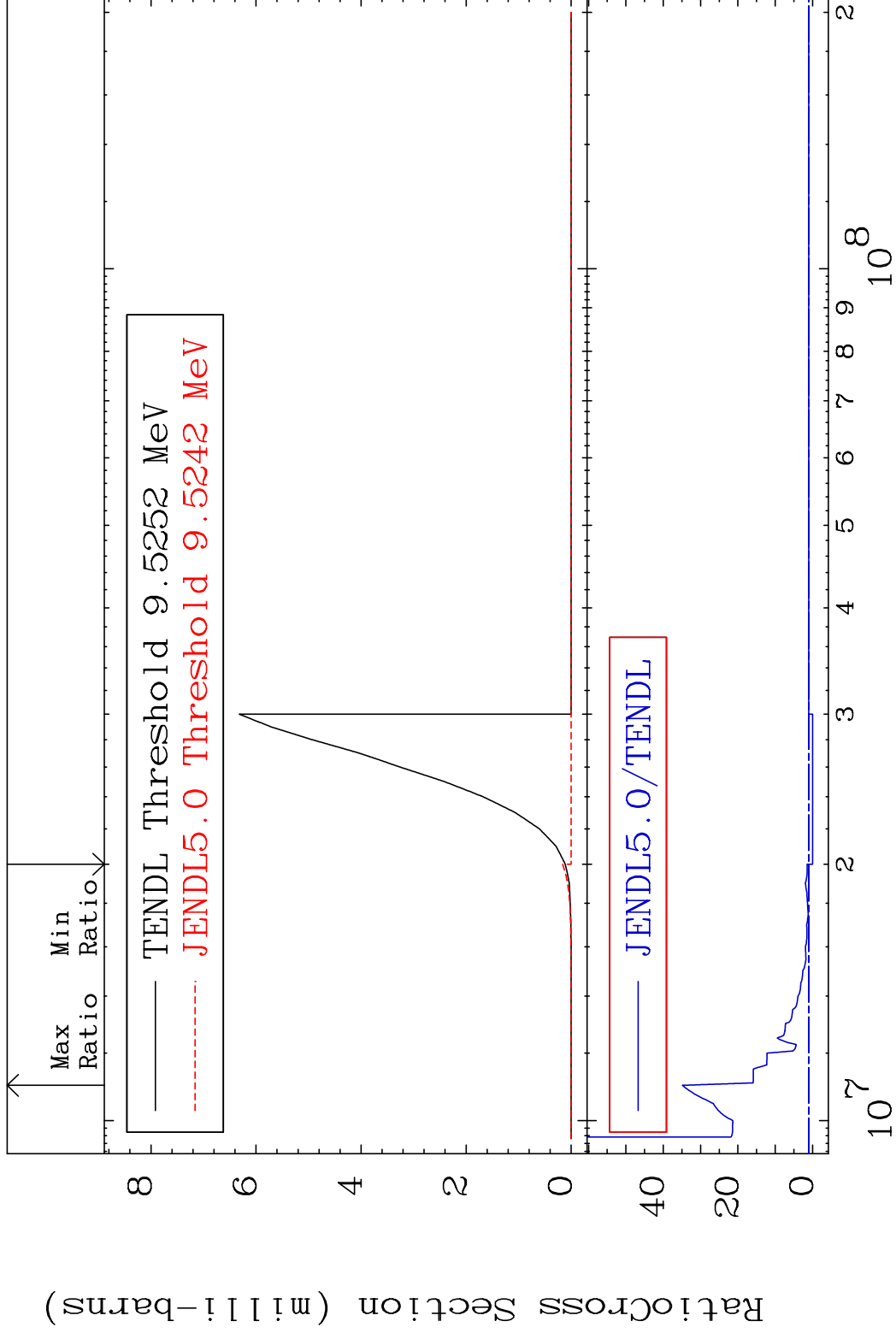
25-Mn-53

MAT 2519

(n, He-3)

25-Mn-53

Cross Section -100.0 To 3388. %



44

Incident Energy (eV)

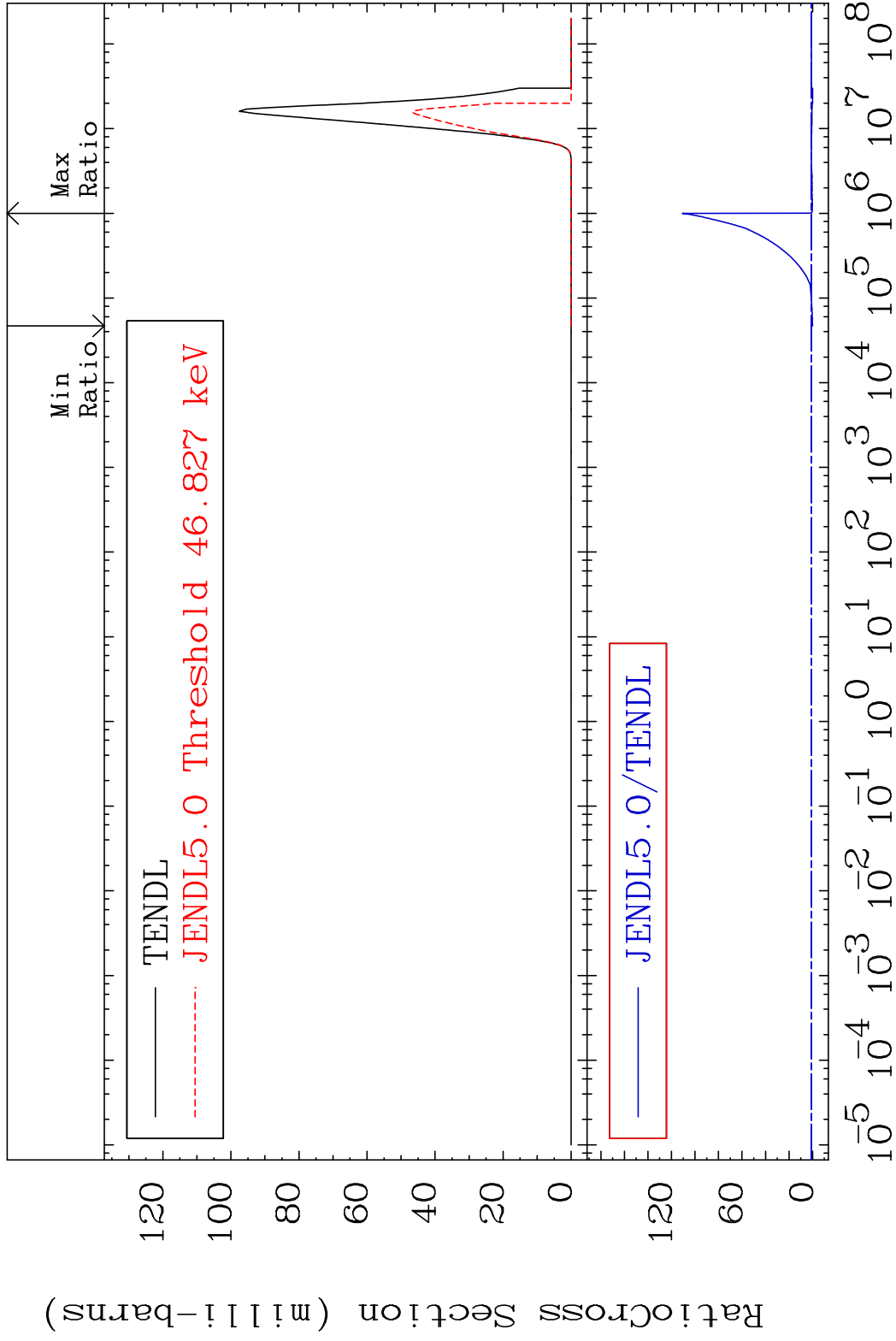
25-Mn-53

MAT 2519

(n, α)

25-Mn-53

Cross Section -100.0 To 9999. %

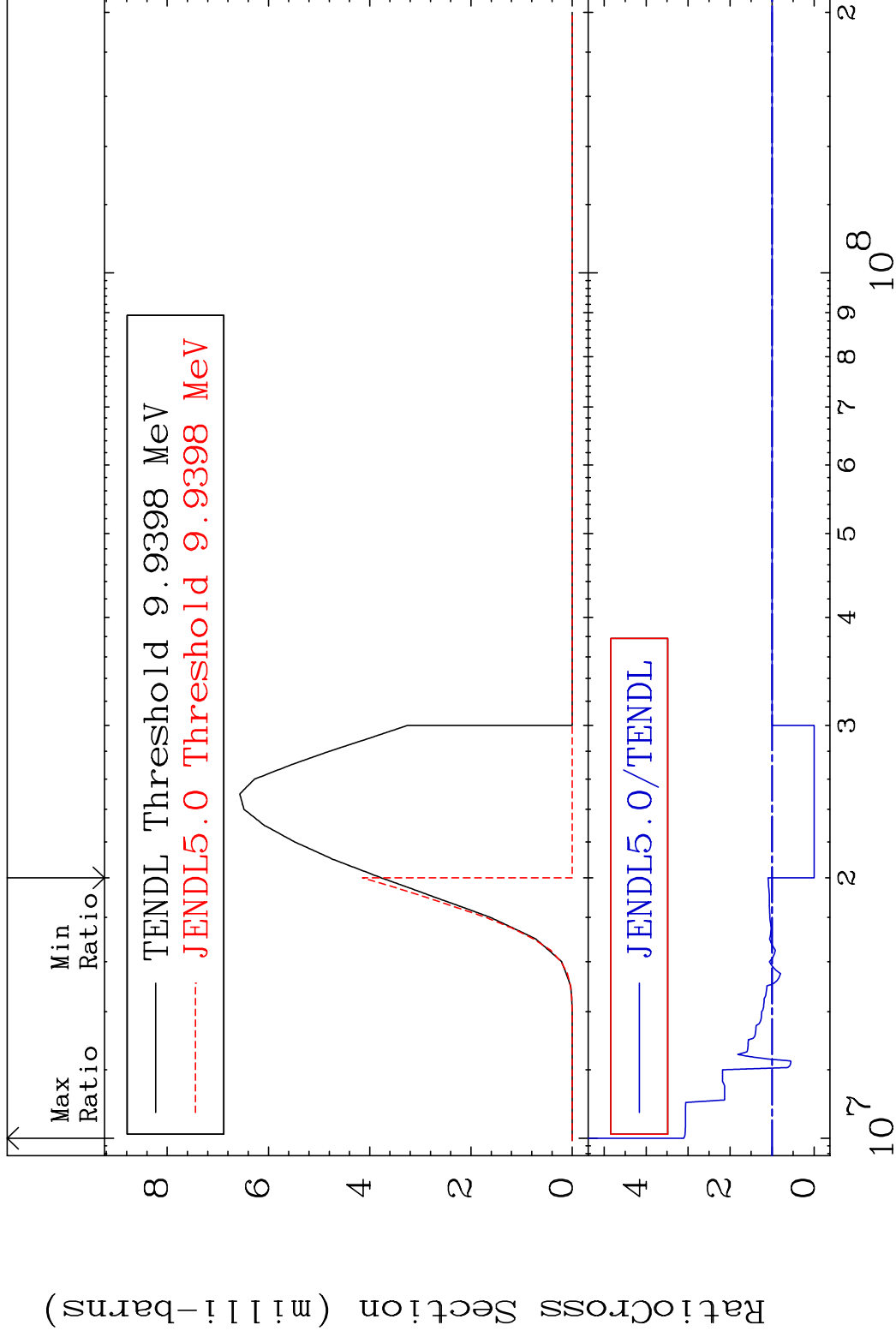


MAT 2519

(n,2p)

25-Mn-53

Cross Section -100.0 To 210.6 %

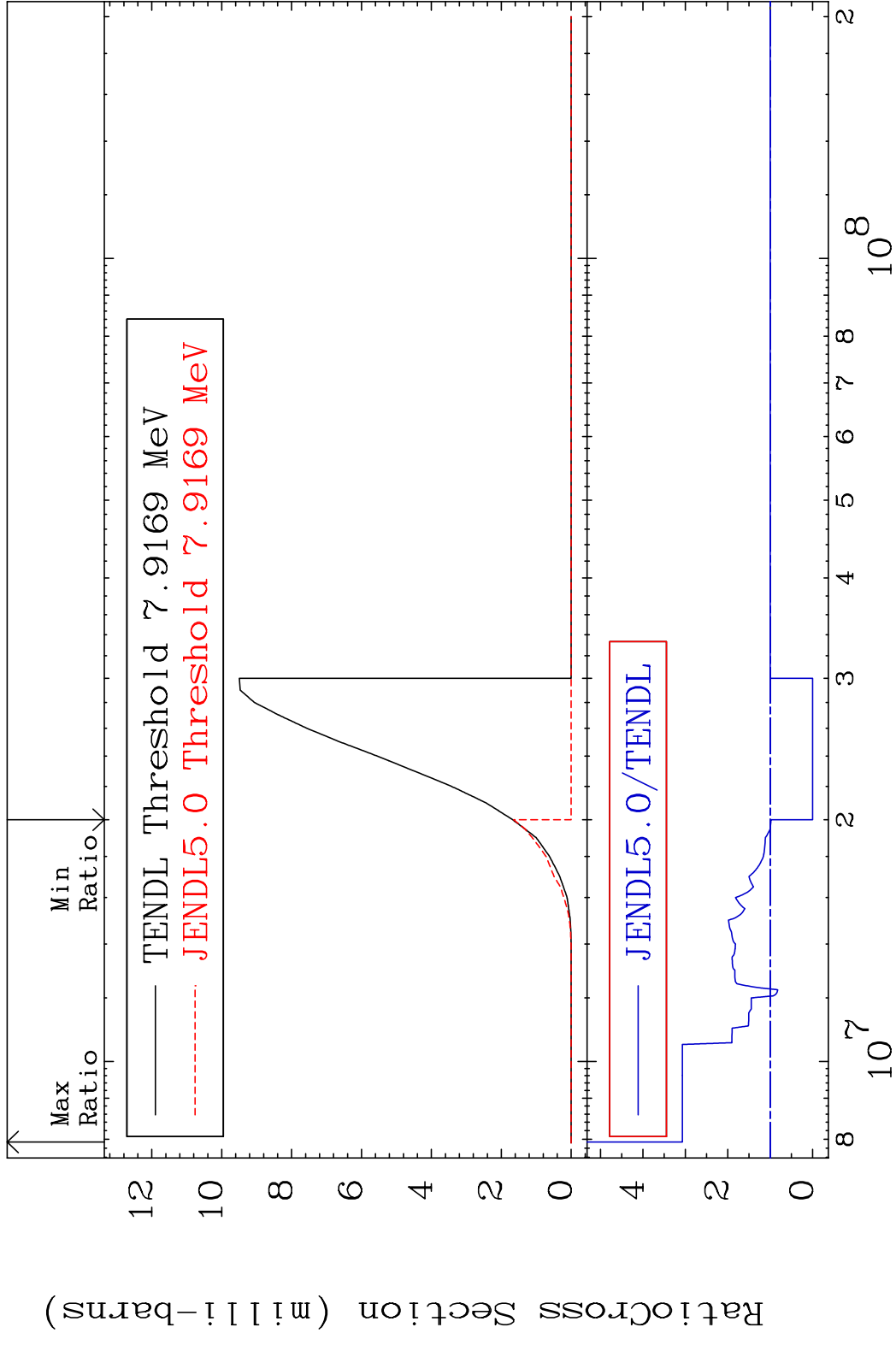


46

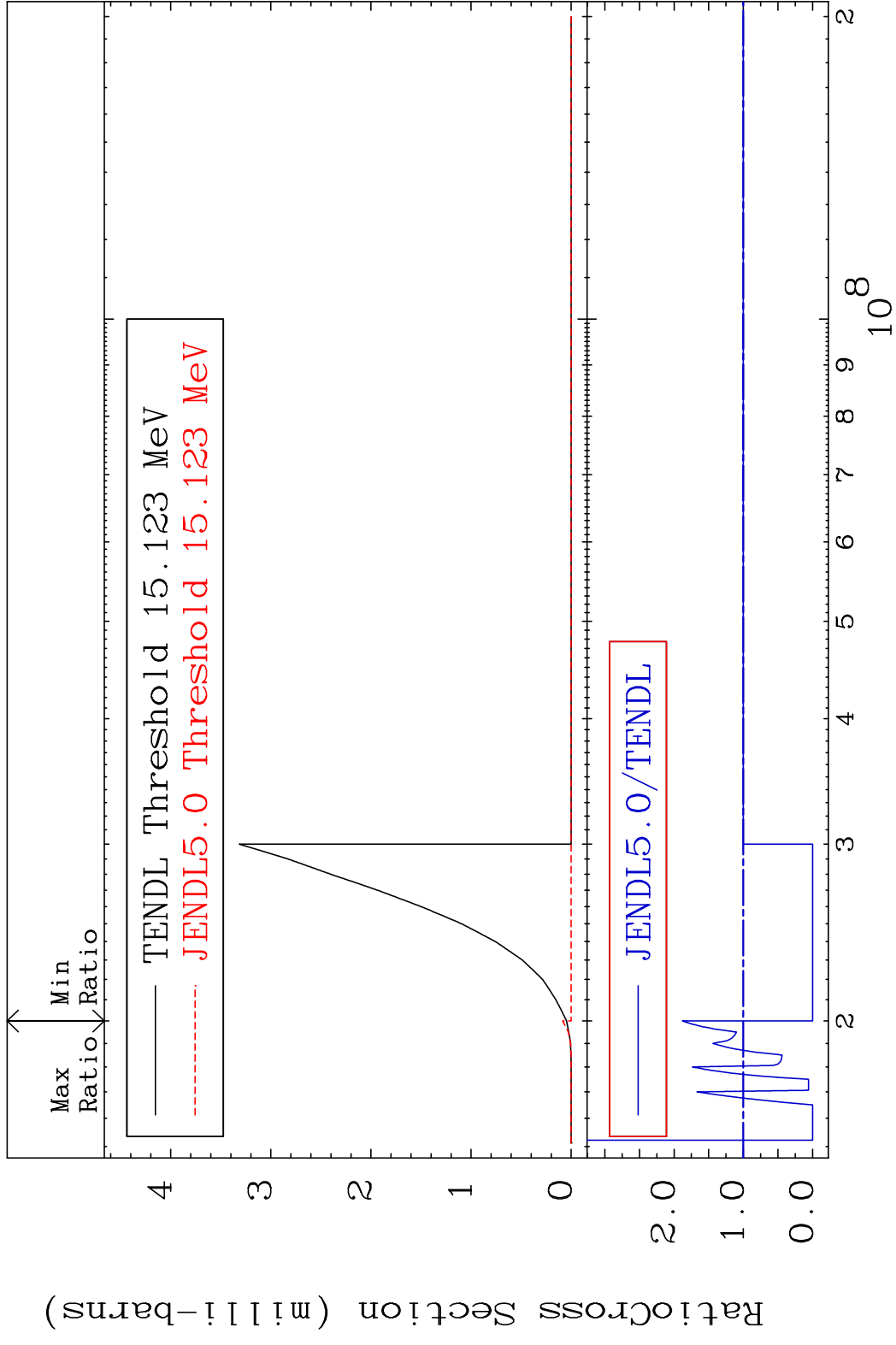
Incident Energy (eV)

25-Mn-53

MAT 2519 (n,p) α 25-Mn-53
 Cross Section -100.0 To 207.0 %



MAT 2519 (n,p) d 25-Mn-53
 Cross Section -100.0 To 88.04 %

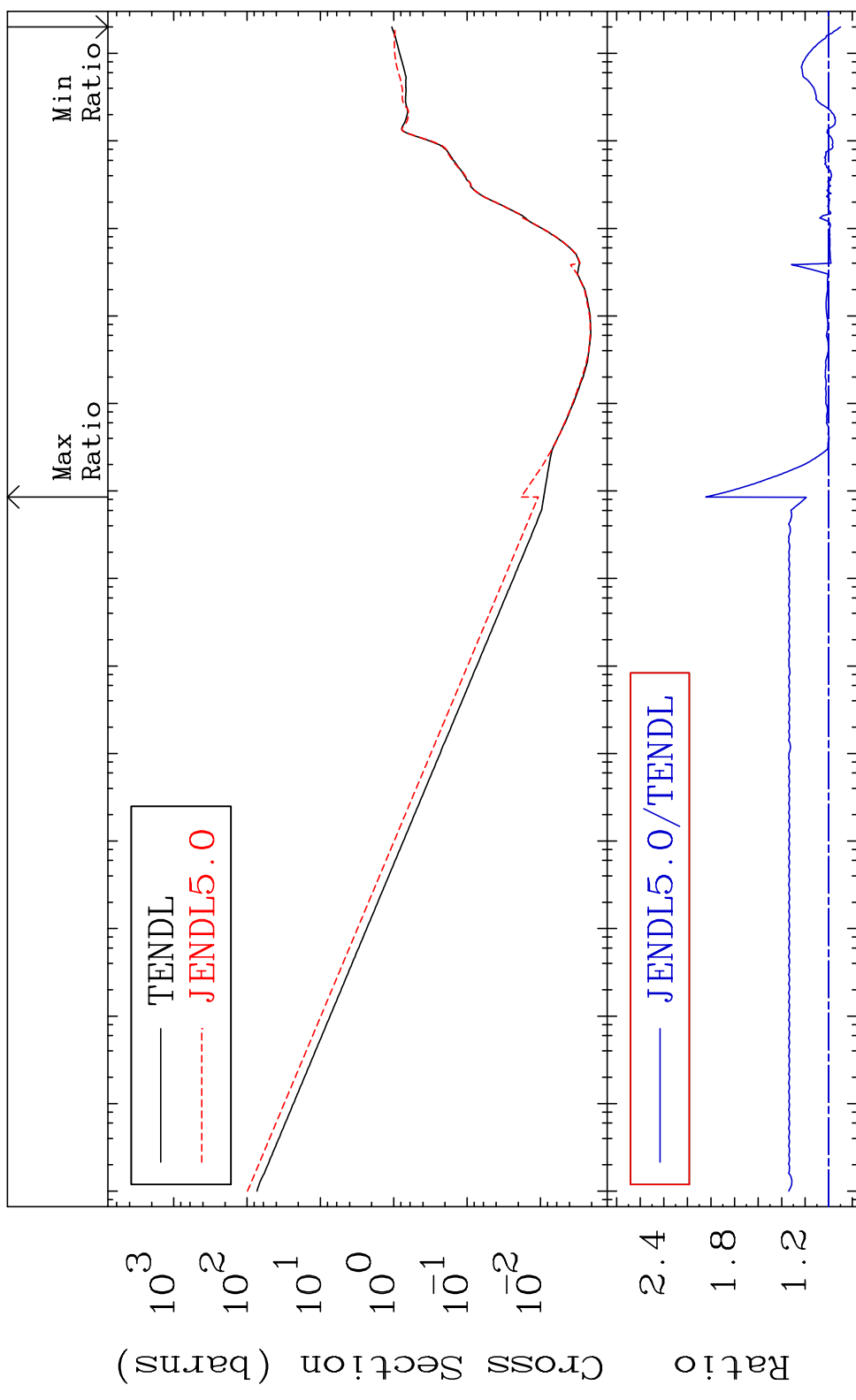


MAT 2519

Hydrogen Production

25-Mn-53

Cross Section -9.888 To 104.4 %

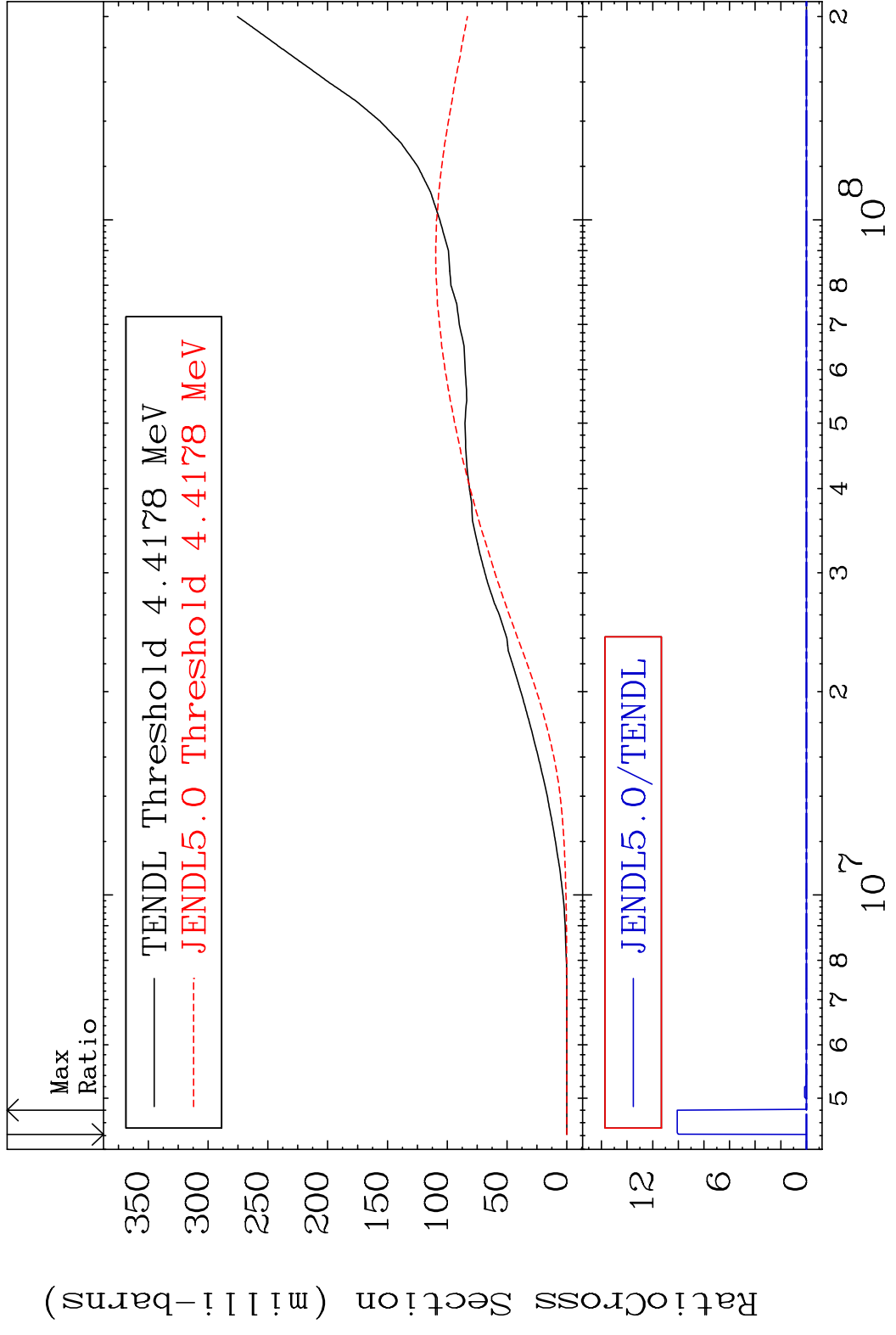


49

Incident Energy (eV)

25-Mn-53

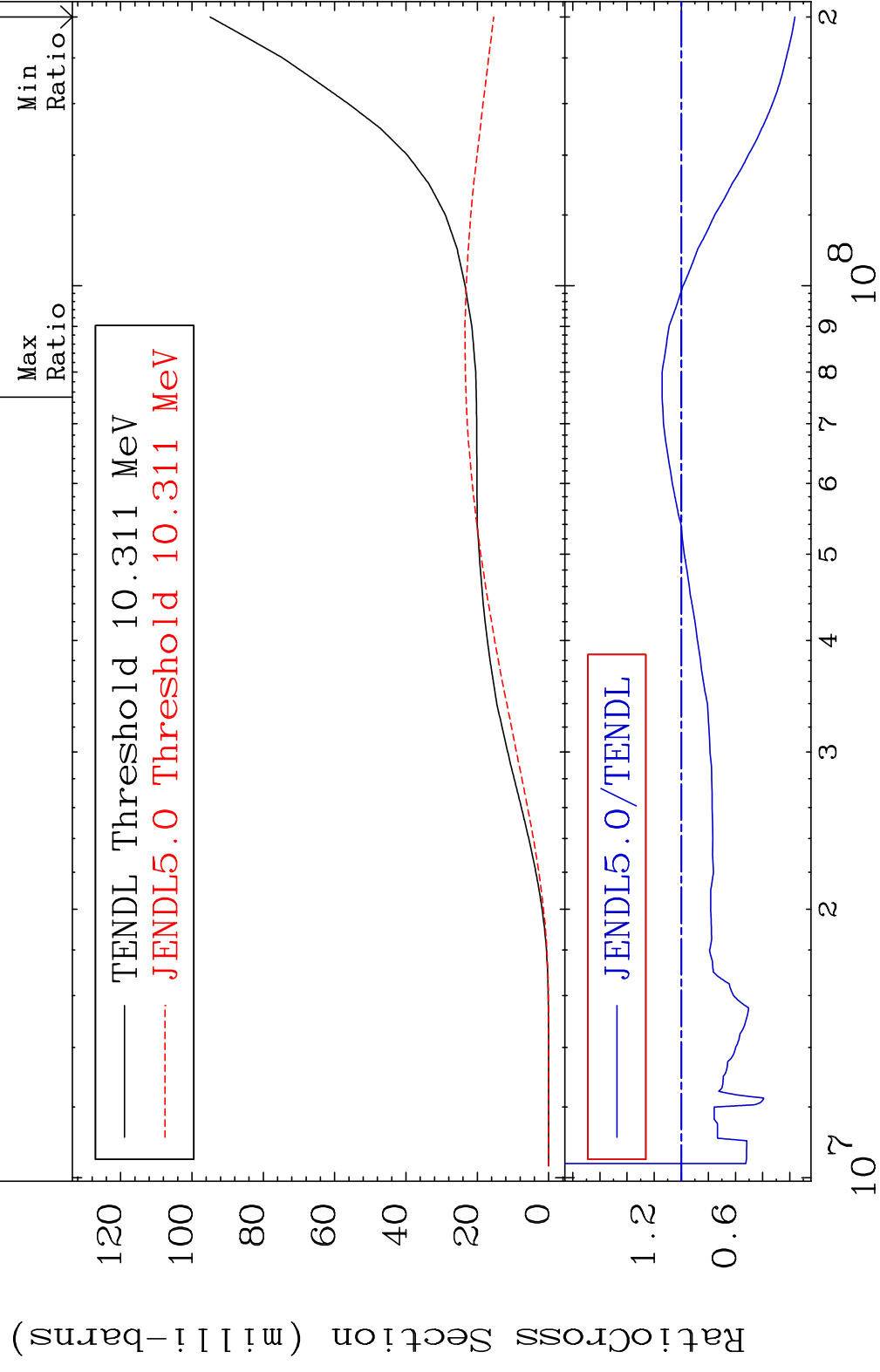
MAT 2519 Deuterium Production 25-Mn-53
 Cross Section -100.0 To 9999. %



50 25-Mn-53

MAT 2519

Tritium Production
Cross Section -83.77 To 14.20 %



51

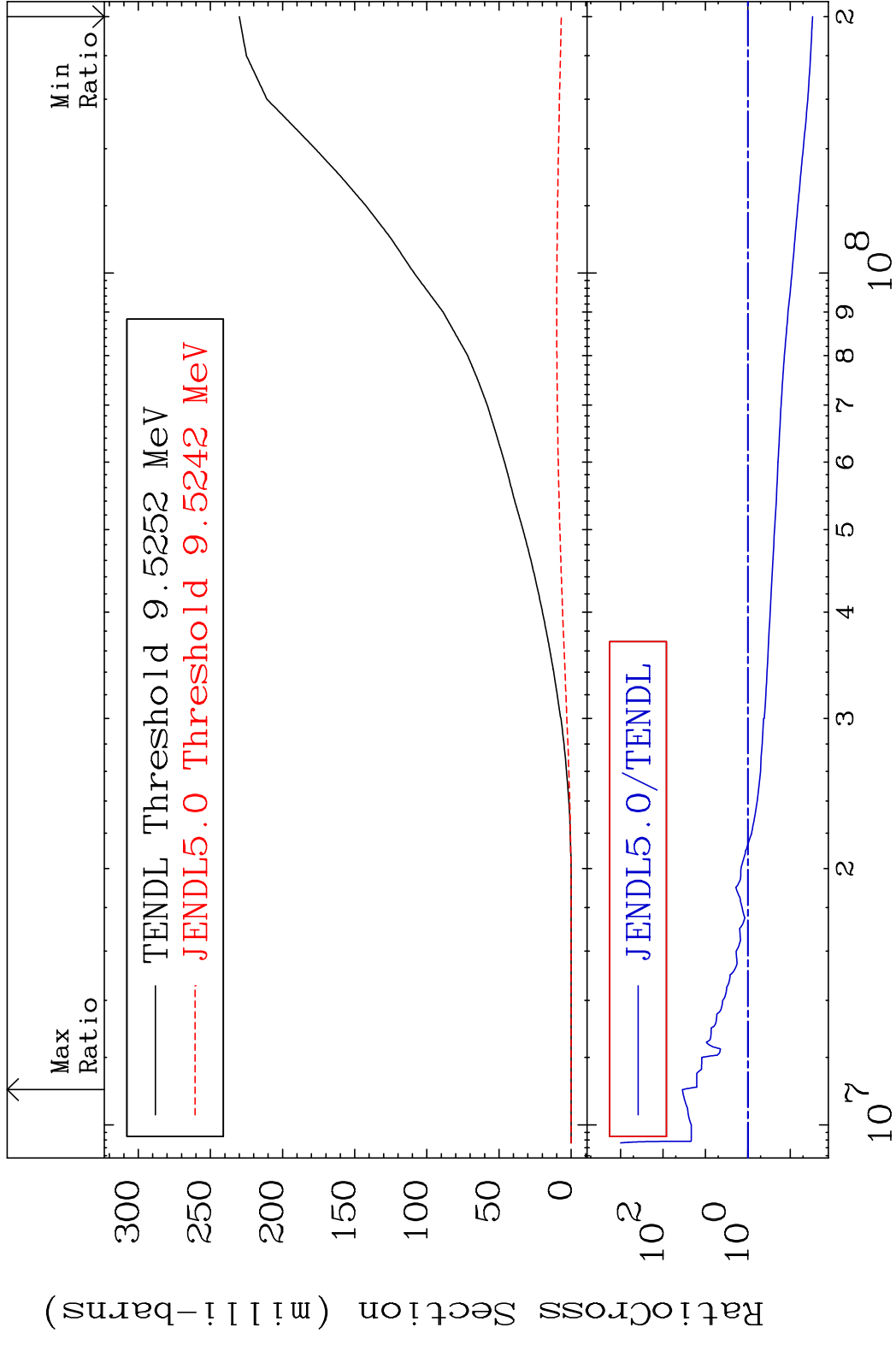
Incident Energy (eV) 25-Mn-53

MAT 2519

He-3 Production

25-Mn-53

Cross Section -97.01 To 3388. %



52

Incident Energy (eV)

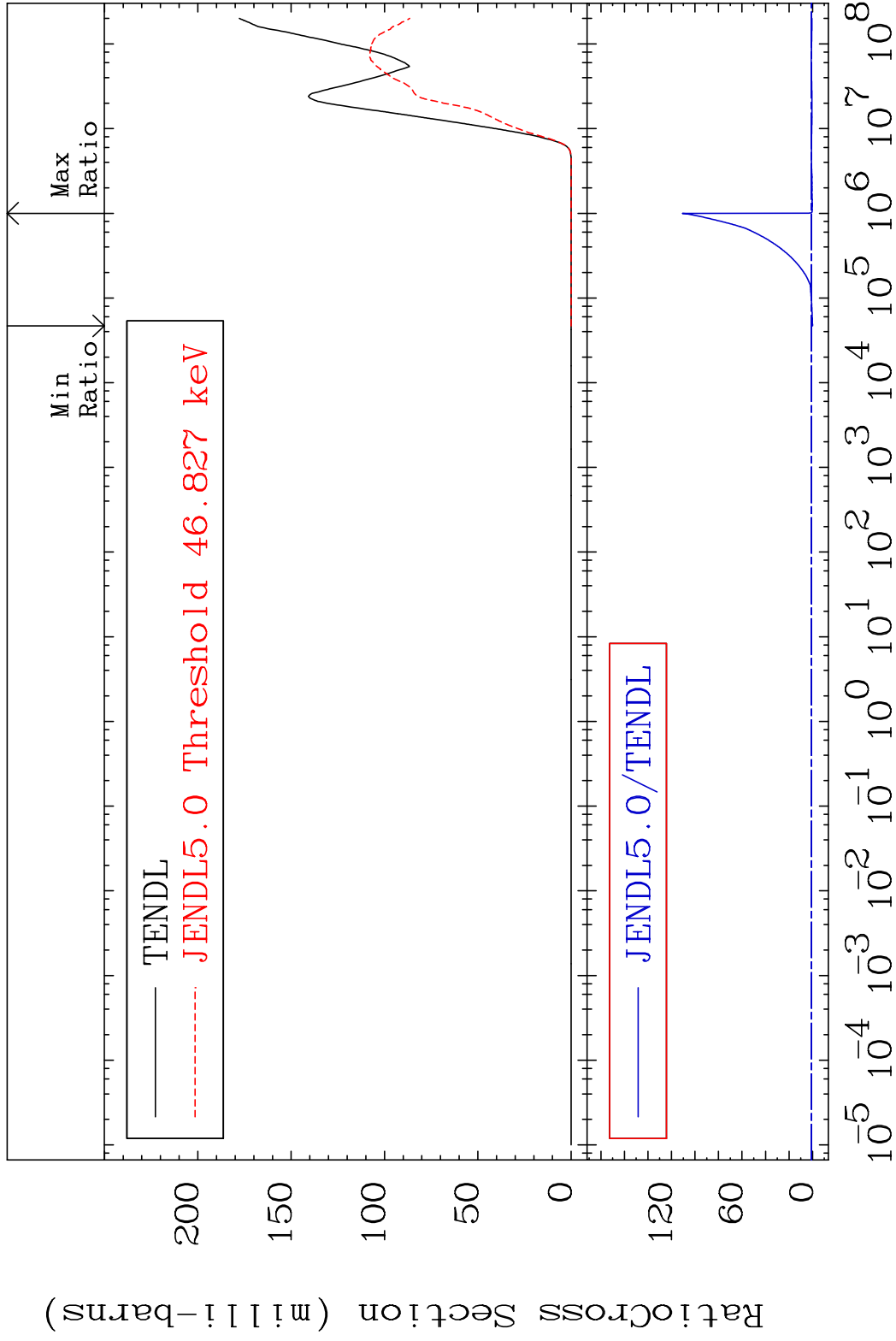
25-Mn-53

MAT 2519

He-4 Production

25-Mn-53

Cross Section -100.0 To 9999. %

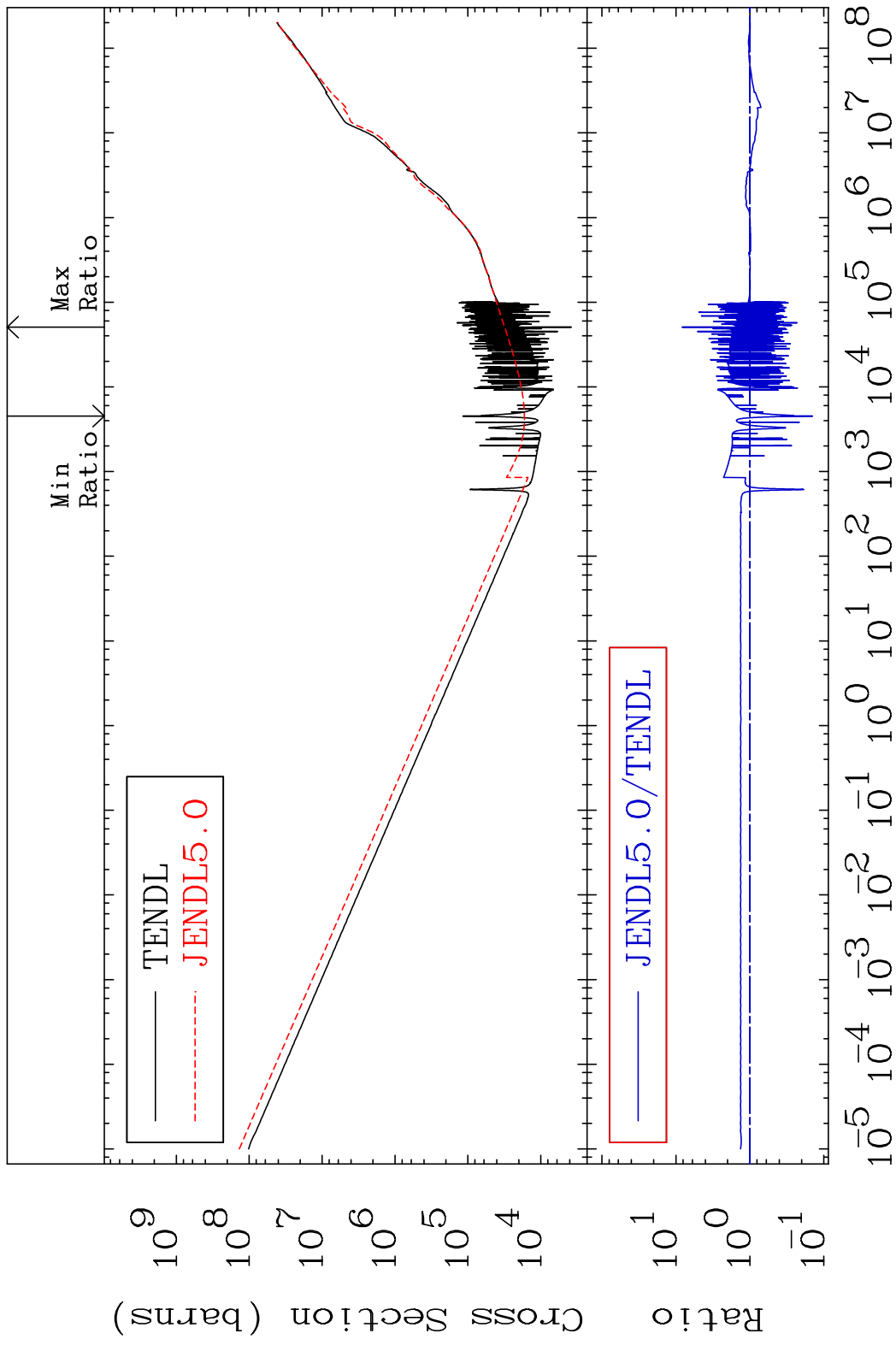


53

Incident Energy (eV)

25-Mn-53

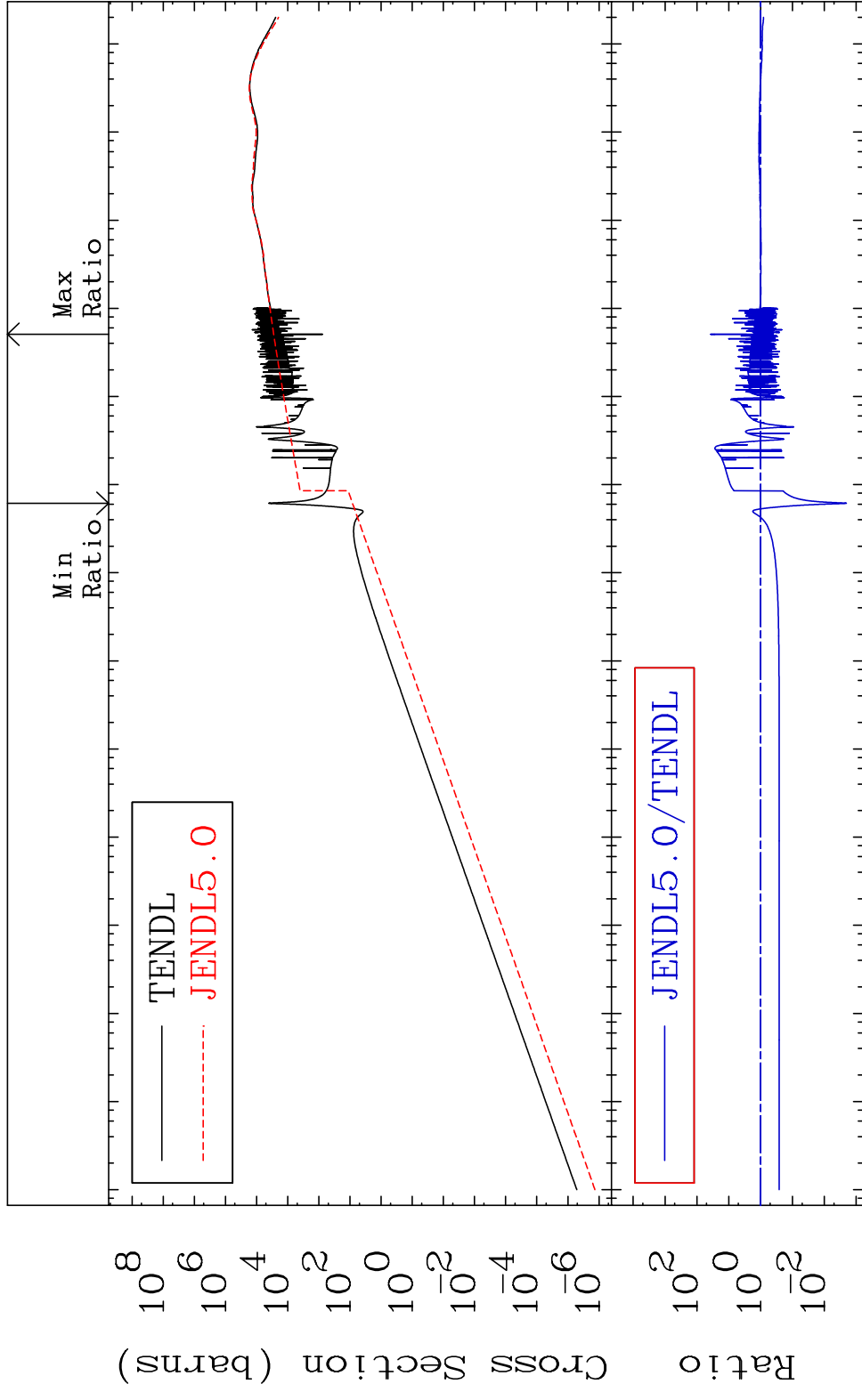
MAT 2519 Kerma total (eV-barns) 25-Mn-53
 Cross Section -85.78 To 719.0 %



MAT 2519

Kerma elastic
Cross Section

25-Mn-53
-99.80 To 3588. %

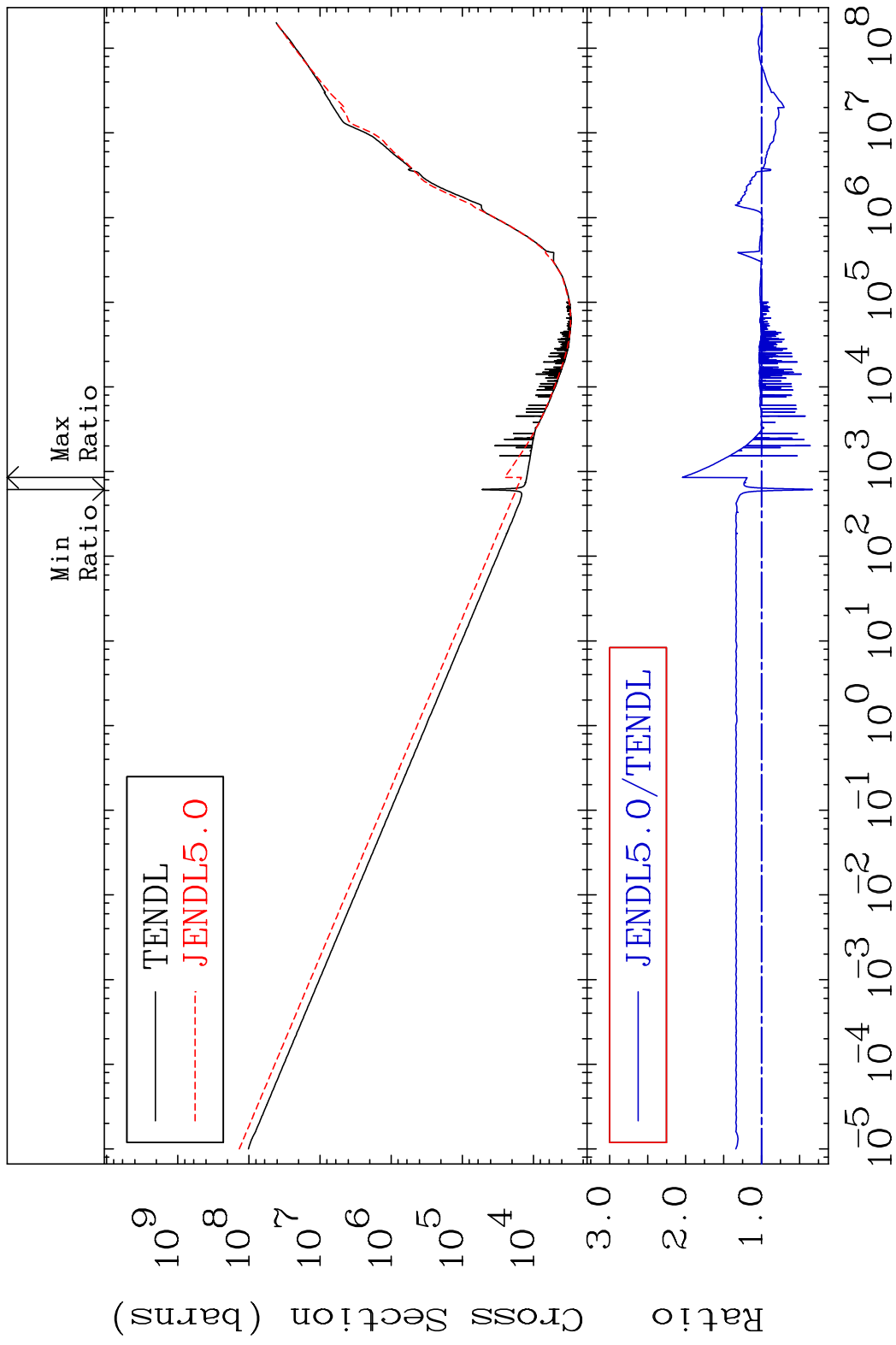


55

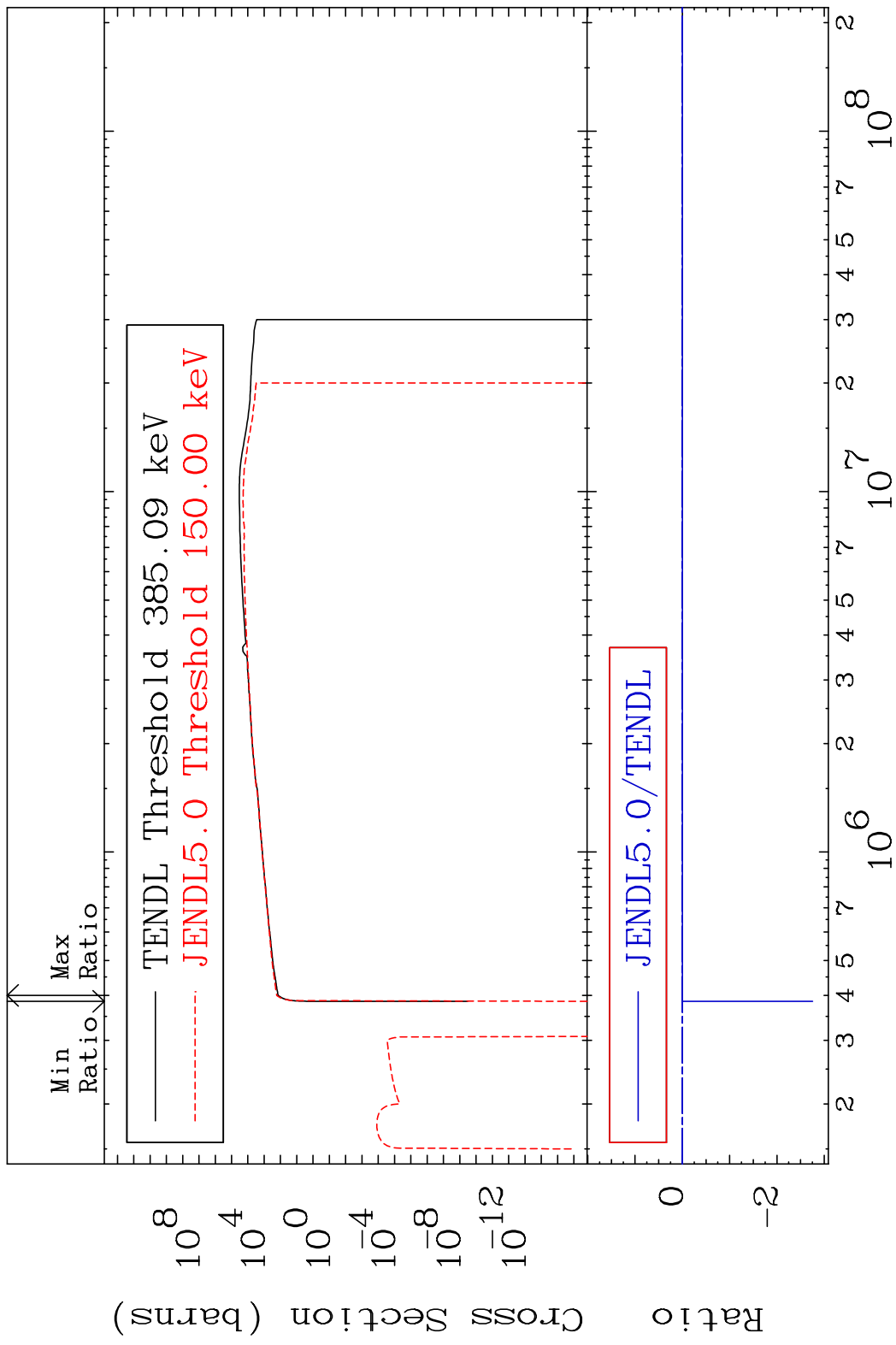
Incident Energy (eV)

25-Mn-53

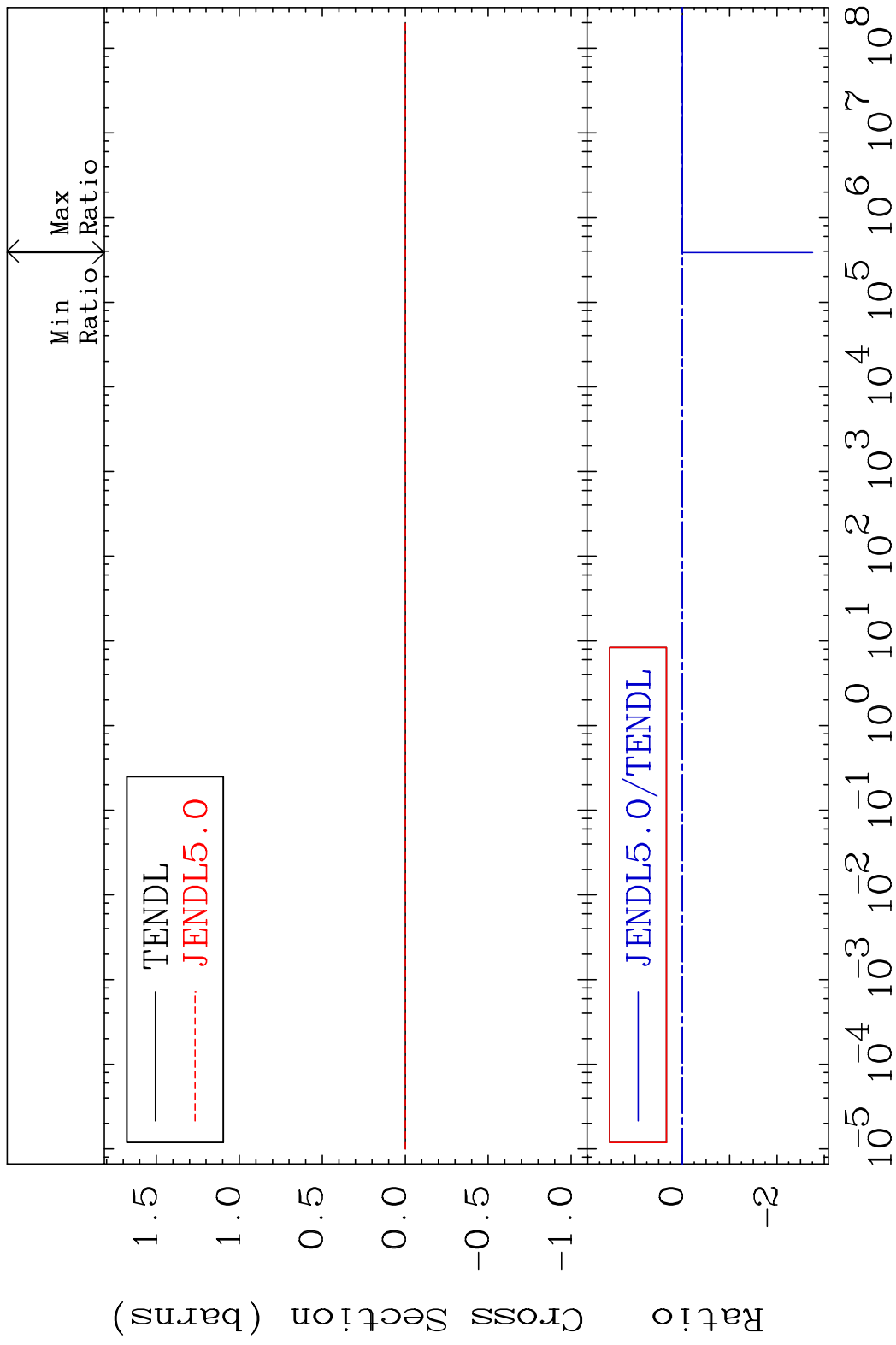
MAT 2519 Kerma non-elastic (all but mt2) 25-Mn-53
 Cross Section -67.20 To 104.3 %



MAT 2519 Kerma inelastic (mt51-91) 25-Mn-53
 Cross Section -9999. To 21.84 %



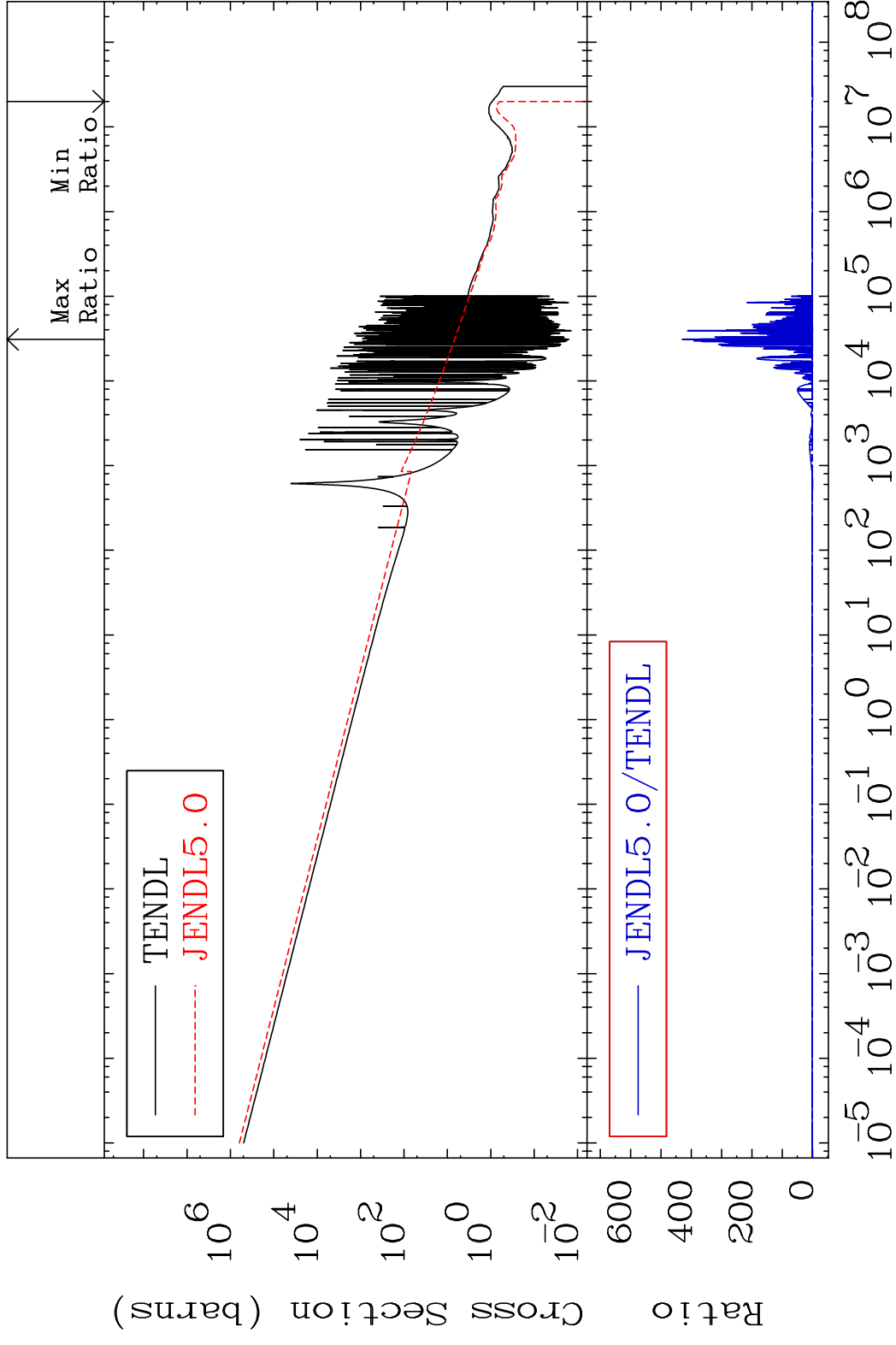
MAT 2519 Kerma fission (mt18 or mt19-20-21-38) 25-Mn-53
 Cross Section -9999. To 21.84 %



MAT 2519

Kerma capture (mt102) 25-Mn-53

Cross Section -100.0 To 9999. %

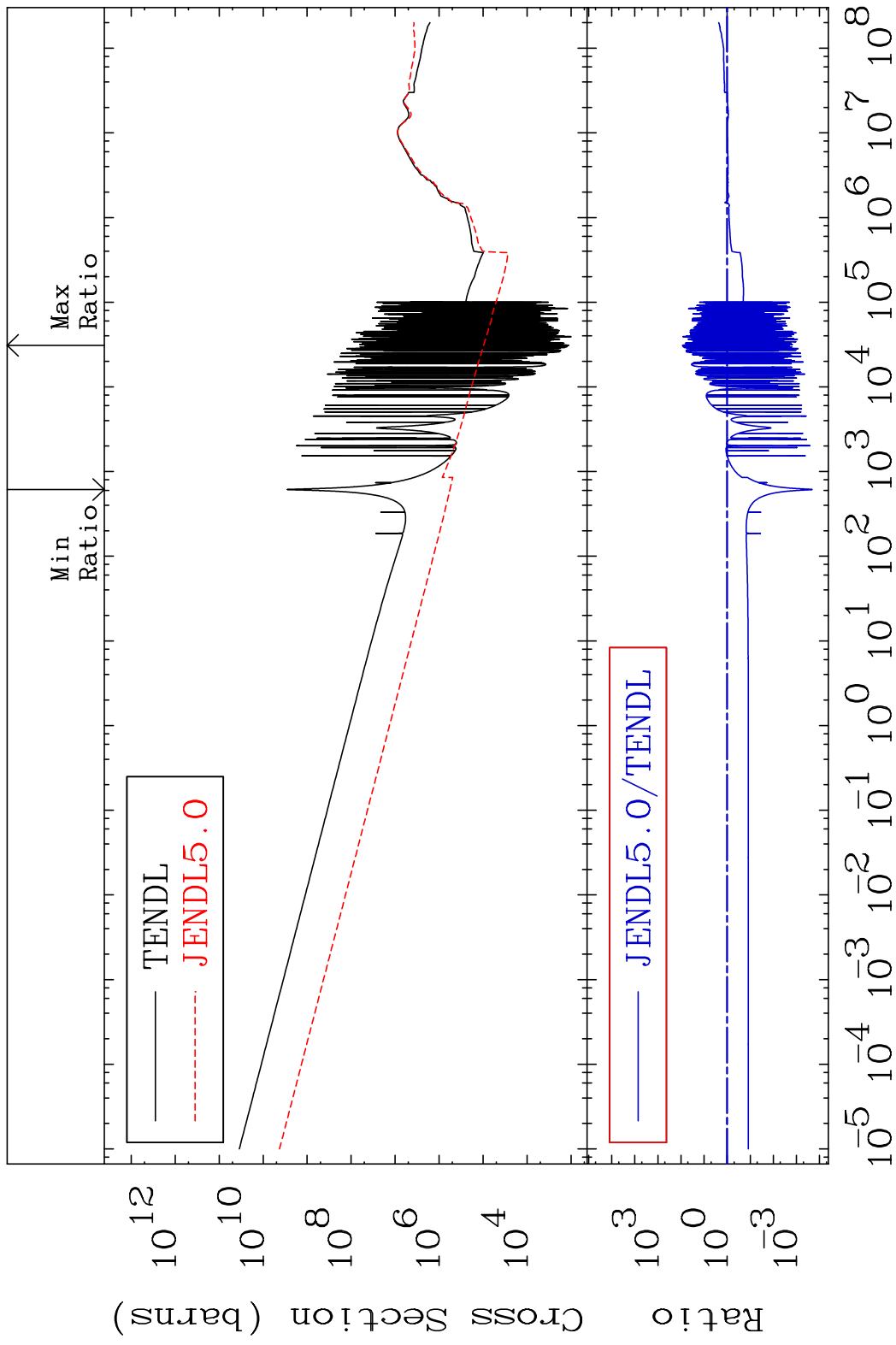


59

Incident Energy (eV)

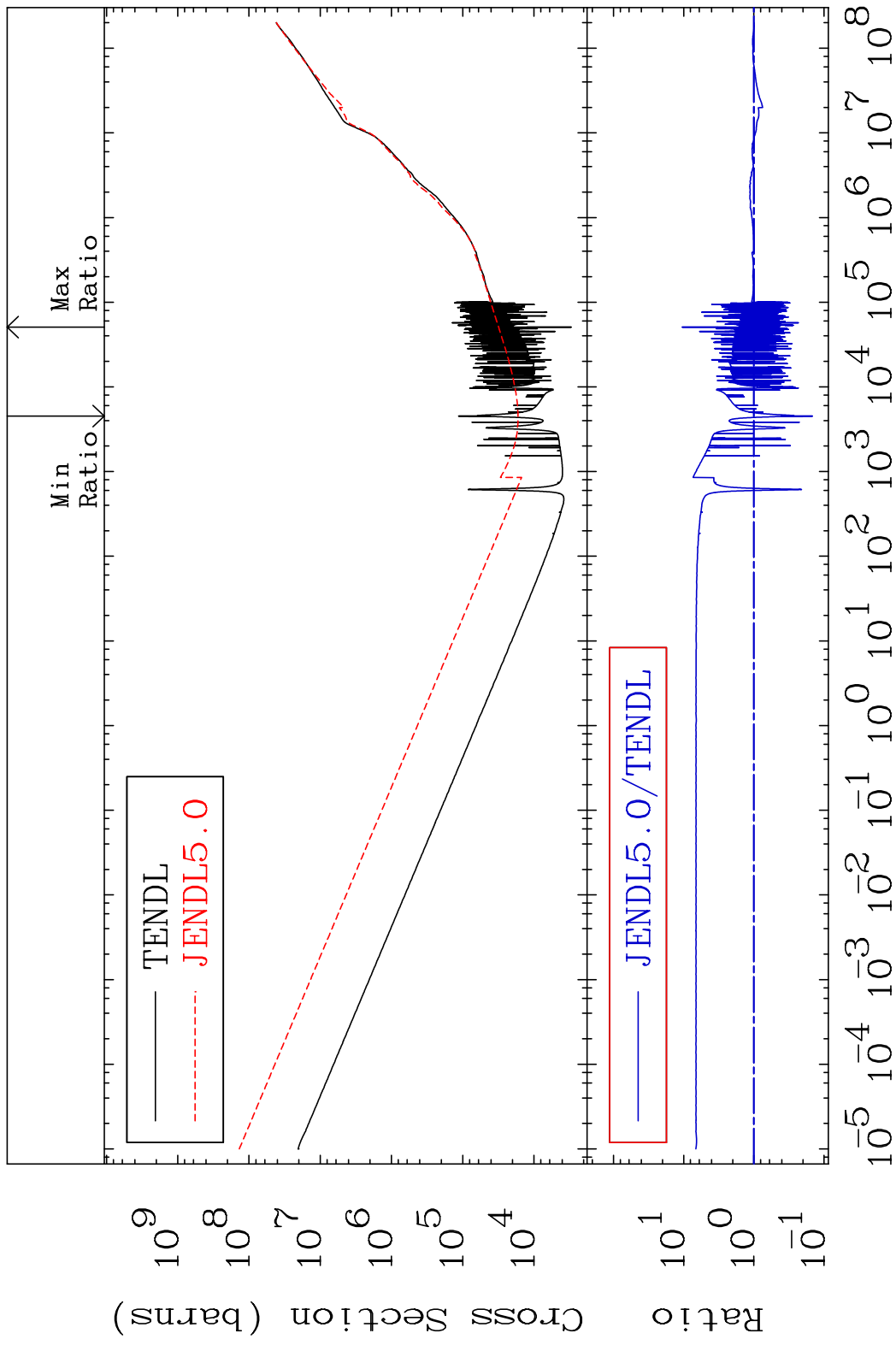
25-Mn-53

MAT 2519 Total photon (eV-barns) 25-Mn-53
Cross Section -99.98 To 8634. %



60 Incident Energy (eV) 25-Mn-53

MAT 2519 Total kinematic kerma (high limit) 25-Mn-53
 Cross Section -85.41 To 943.6 %

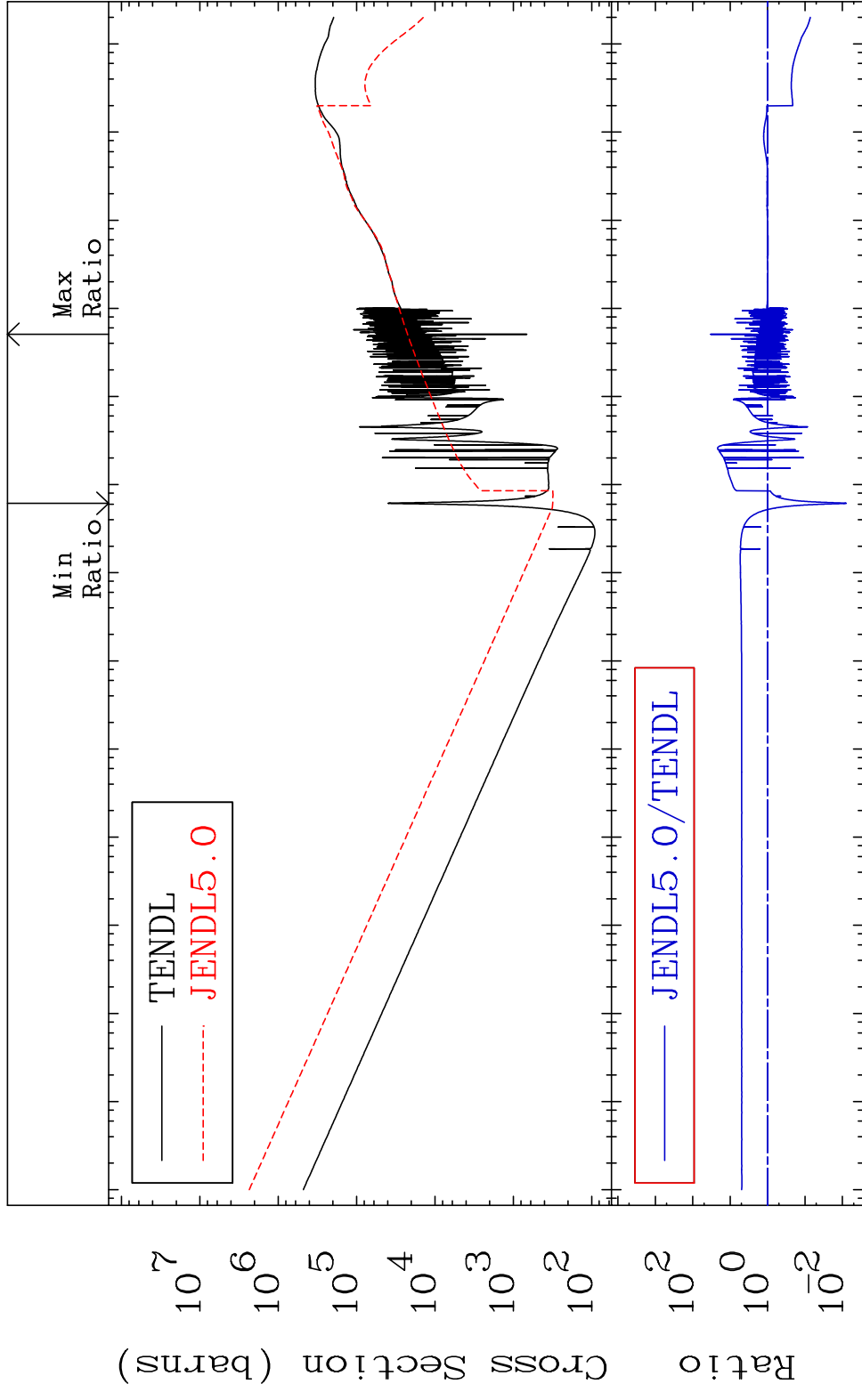


MAT 2519

Dpa total (eV-barns)

25-Mn-53

Cross Section -99.21 To 3207. %



62

Incident Energy (eV)

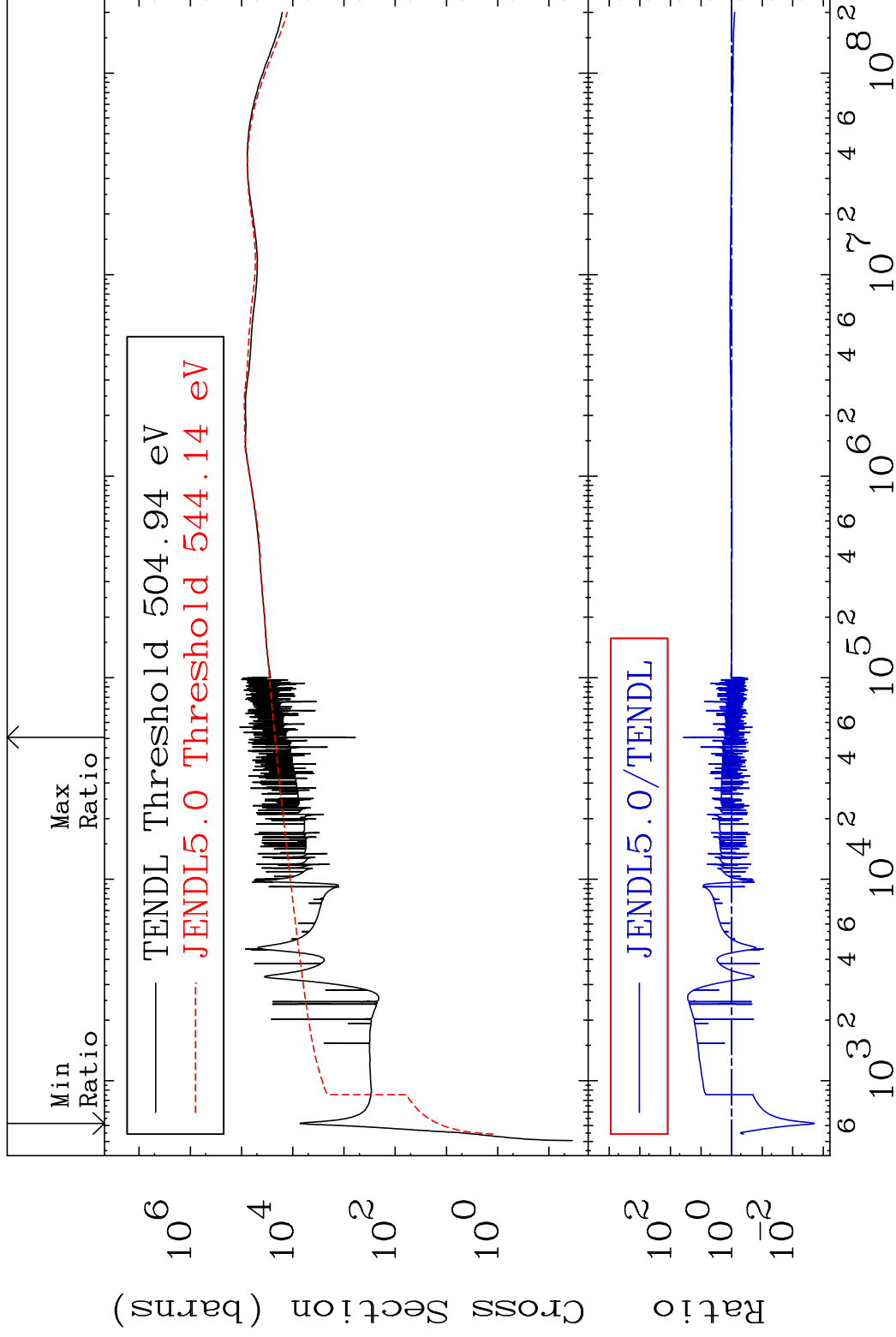
25-Mn-53

MAT 2519

Dpa elastic (mt2)

25-Mn-53

Cross Section -99.80 To 3588. %

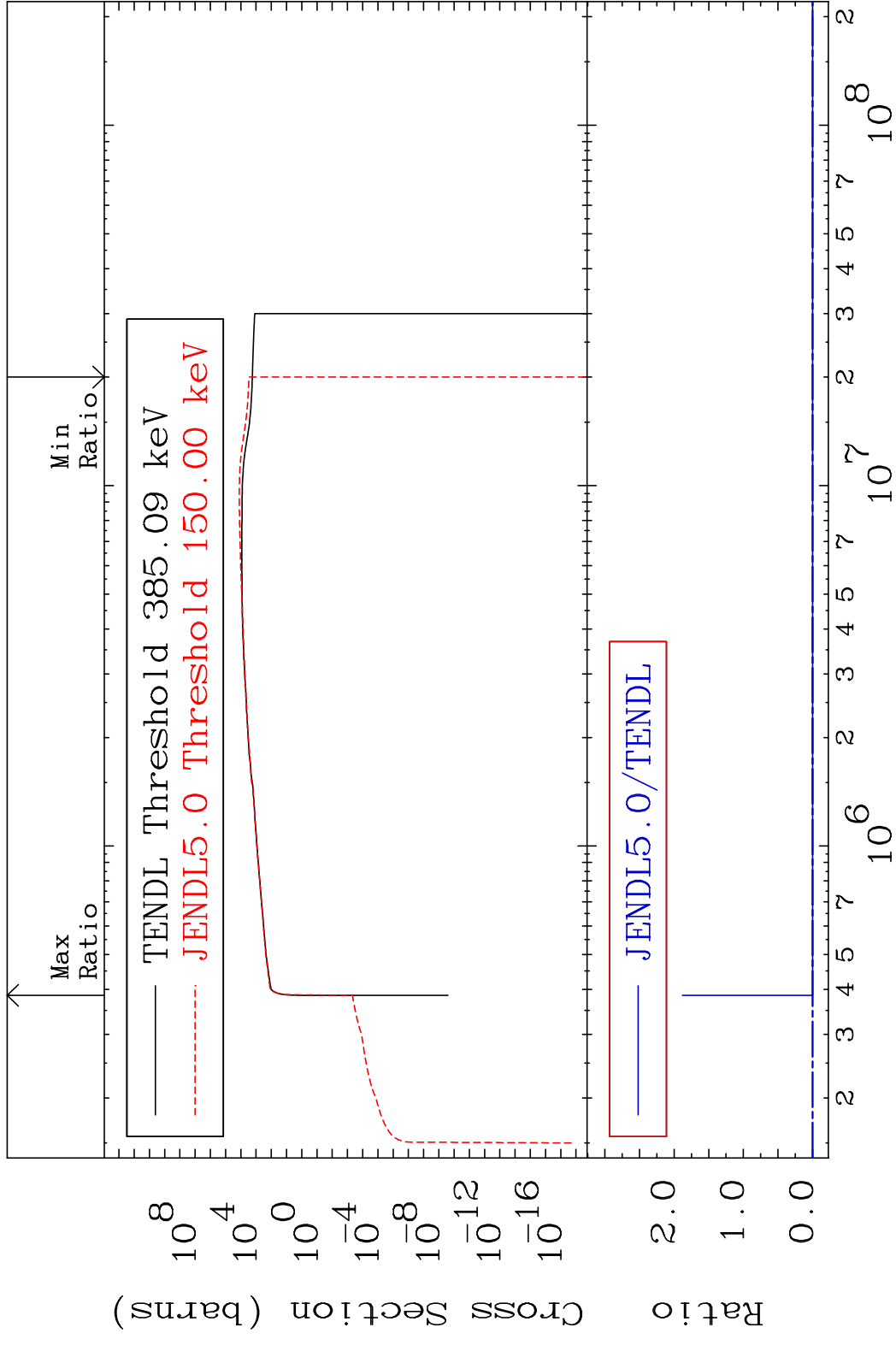


63

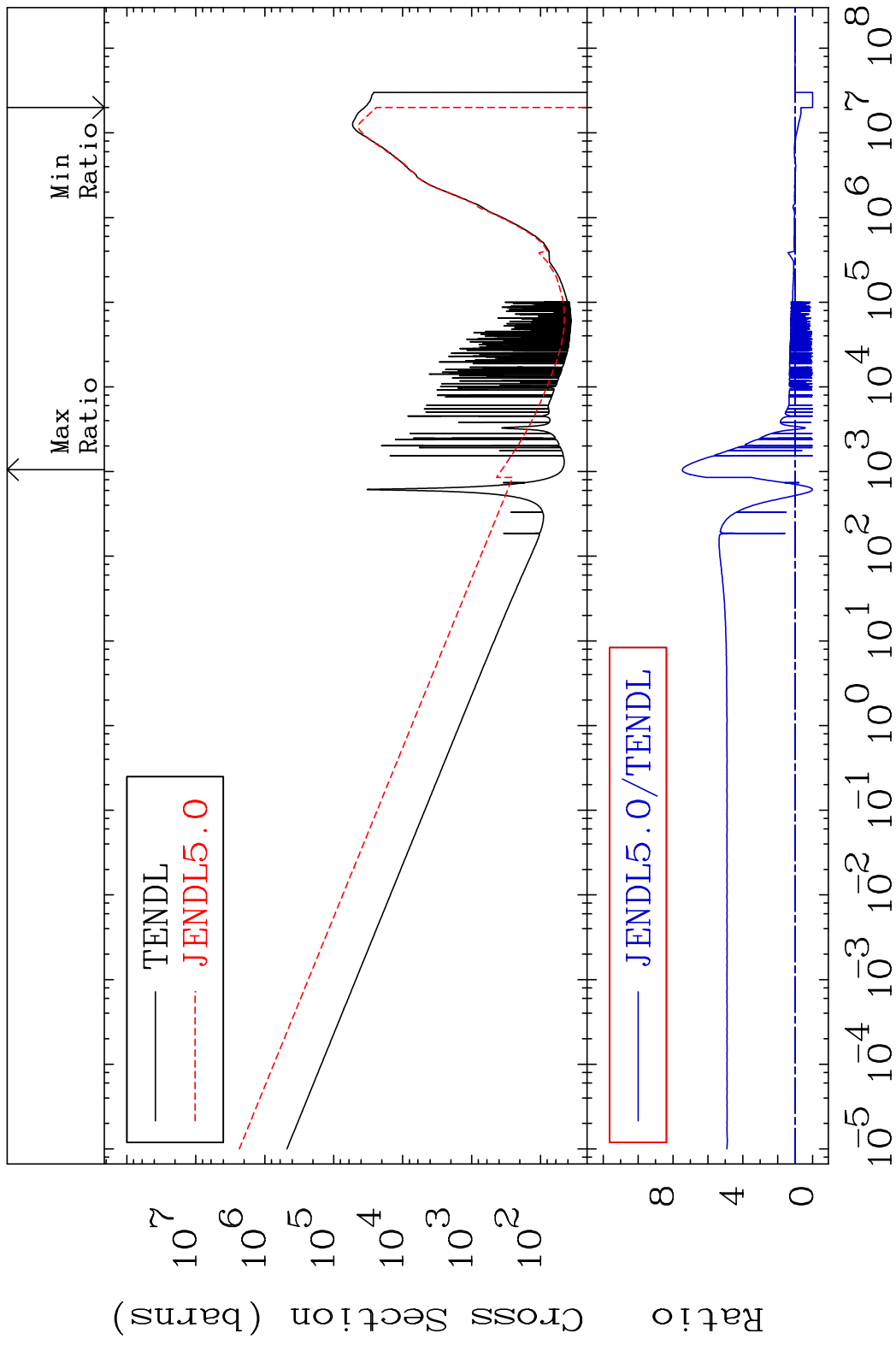
Incident Energy (eV)

25-Mn-53

MAT 2519 Dpa inelastic (mt51-91) 25-Mn-53
 Cross Section -100.0 To 9999. %

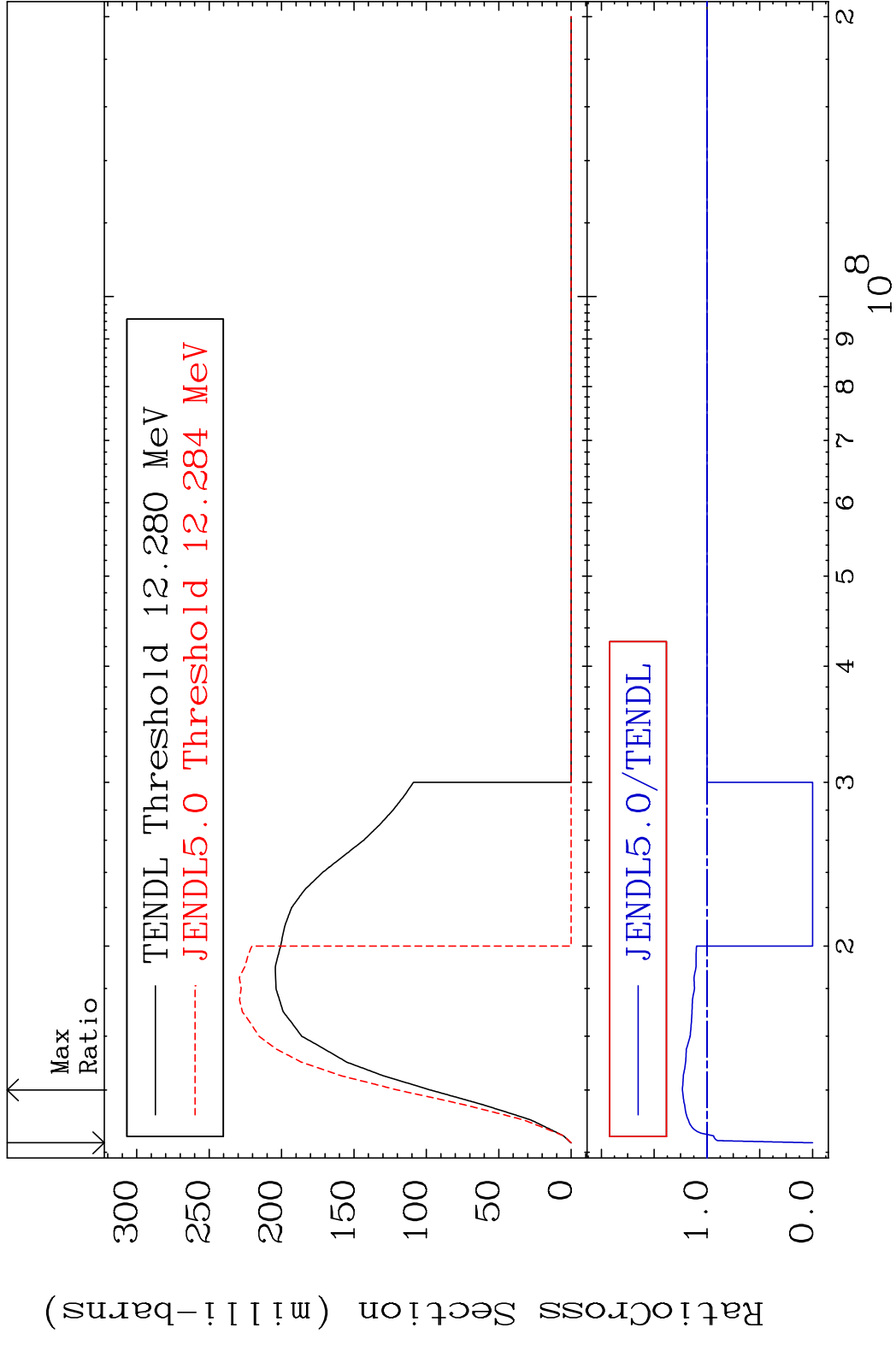


MAT 2519 Dpa disappearance (mt102 -120) 25-Mn-53
 Cross Section -100.0 To 646.3 %

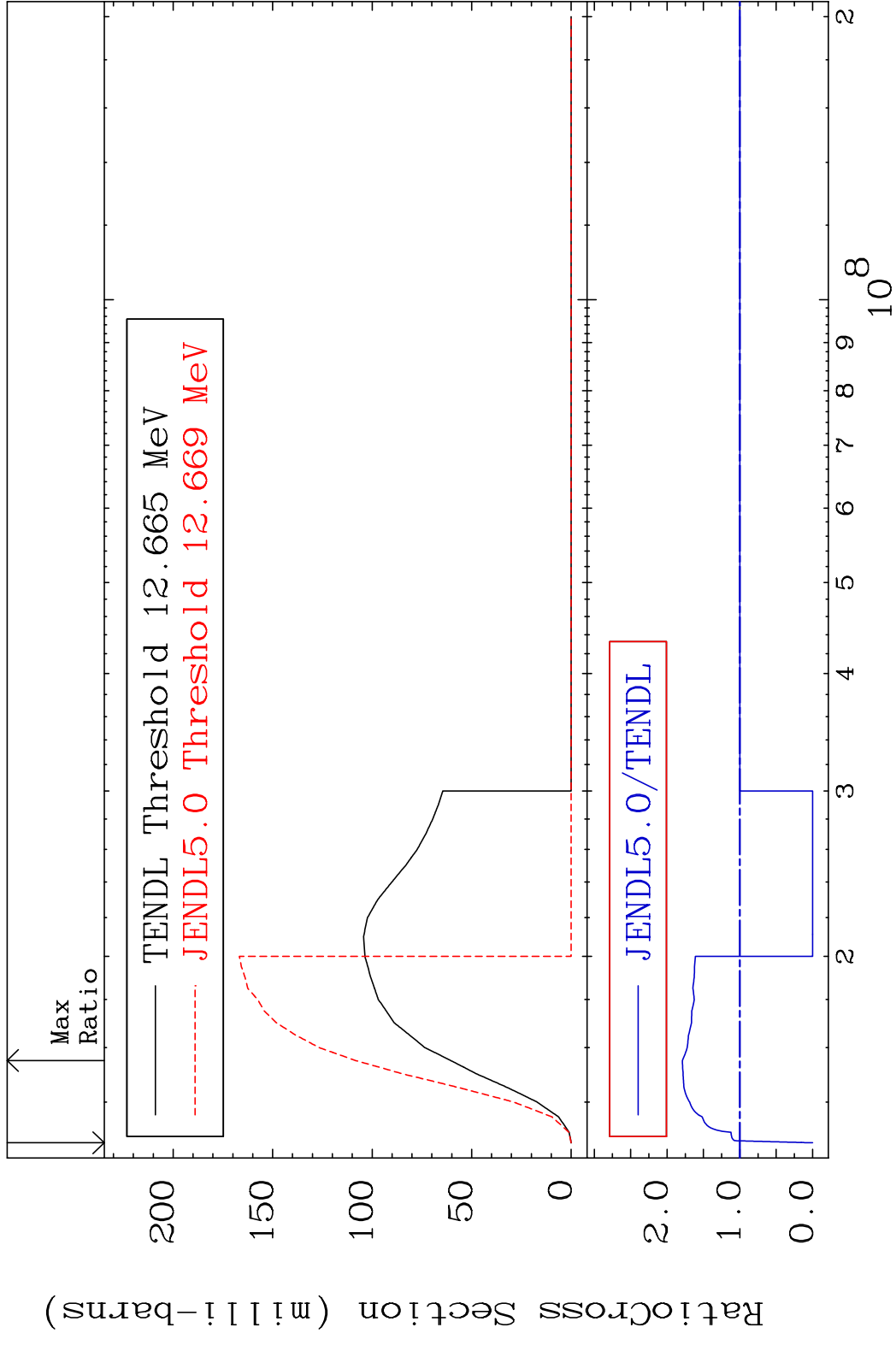


65 Incident Energy (eV) 25-Mn-53

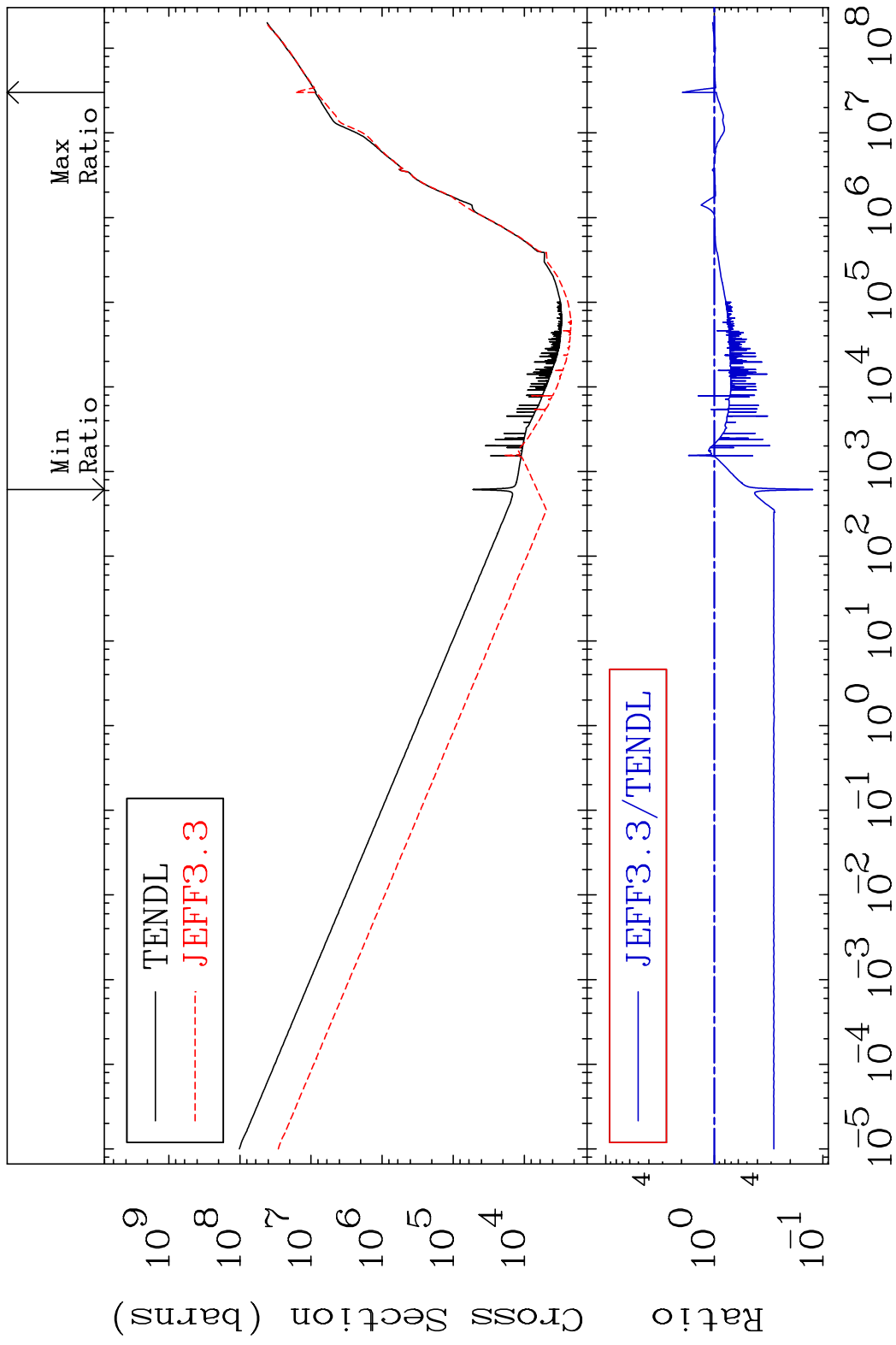
MAT 2519 (n,2n):25-Mn-52g 25-Mn-53
 Radionuclide Production Cross Section 180.01 dth 23.29 %



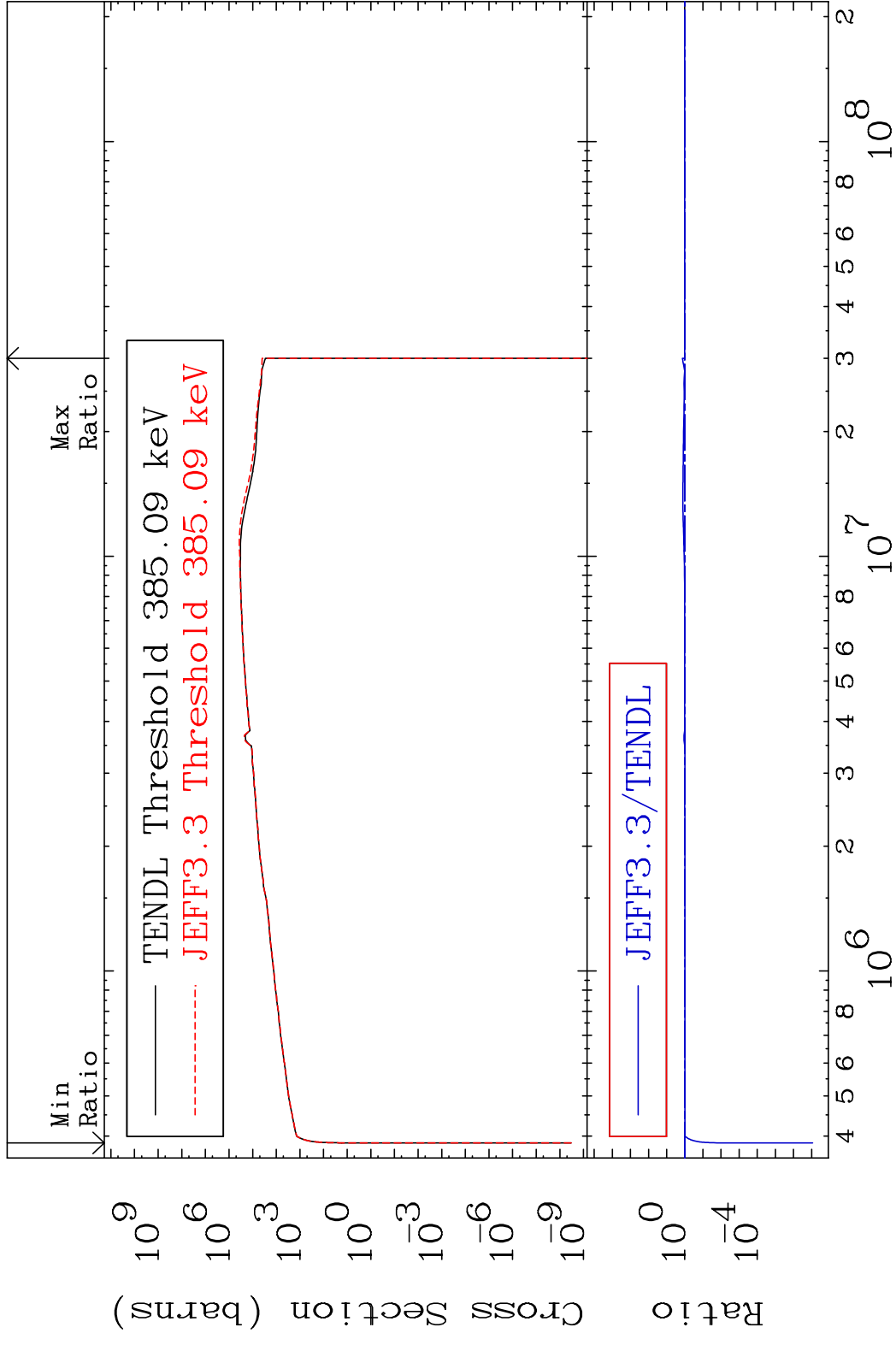
MAT 2519 (n,2n):25-Mn-52m1 25-Mn-53
 Radionuclide Production Cross Section Ratio 78.97 %



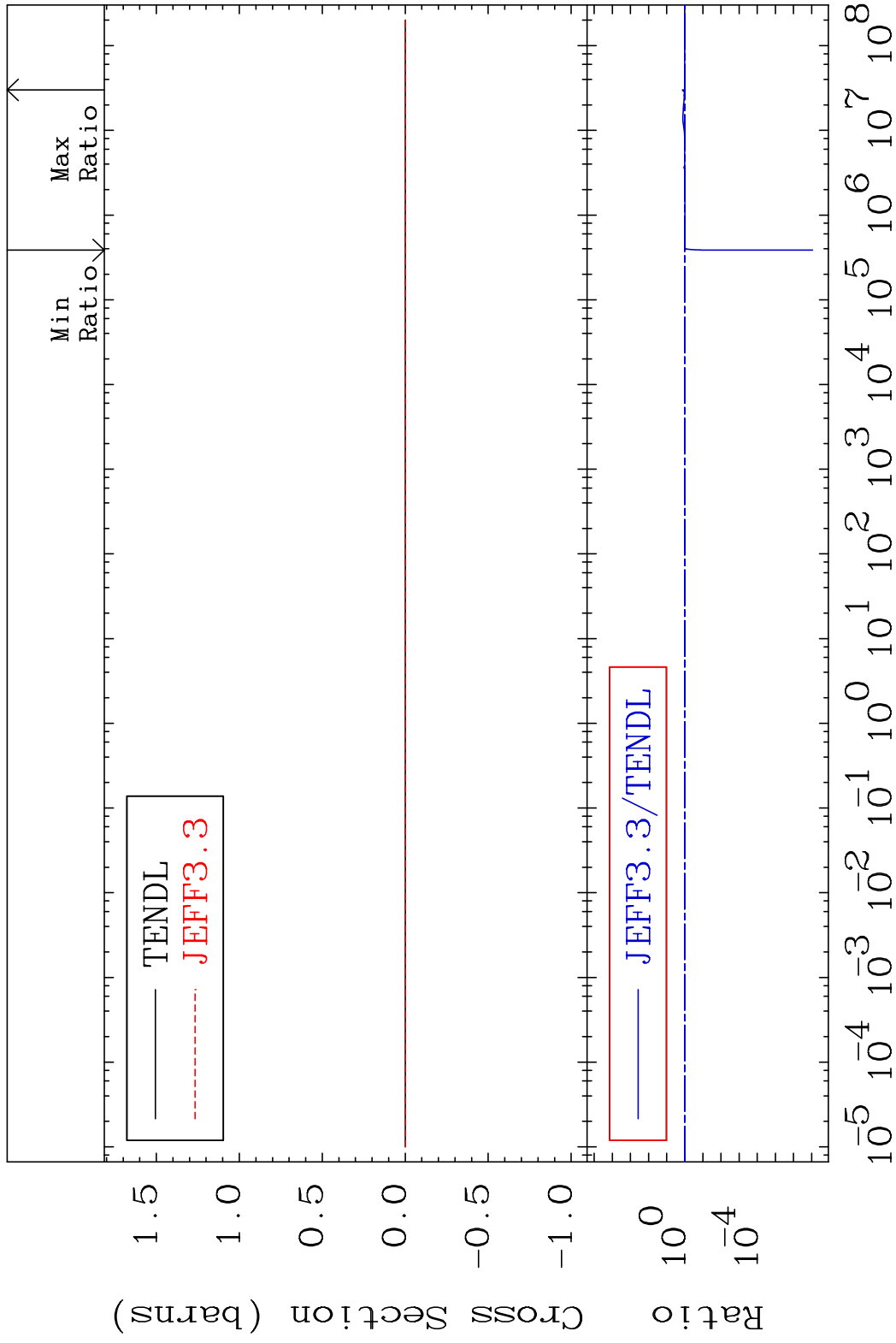
MAT 2519 Kerma non-elastic (all but mt2) 25-Mn-53
 Cross Section -87.56 To 96.71 %



MAT 2519 Kerma inelastic (mt51-91) 25-Mn-53
 Cross Section -100.0 To 36.08 %



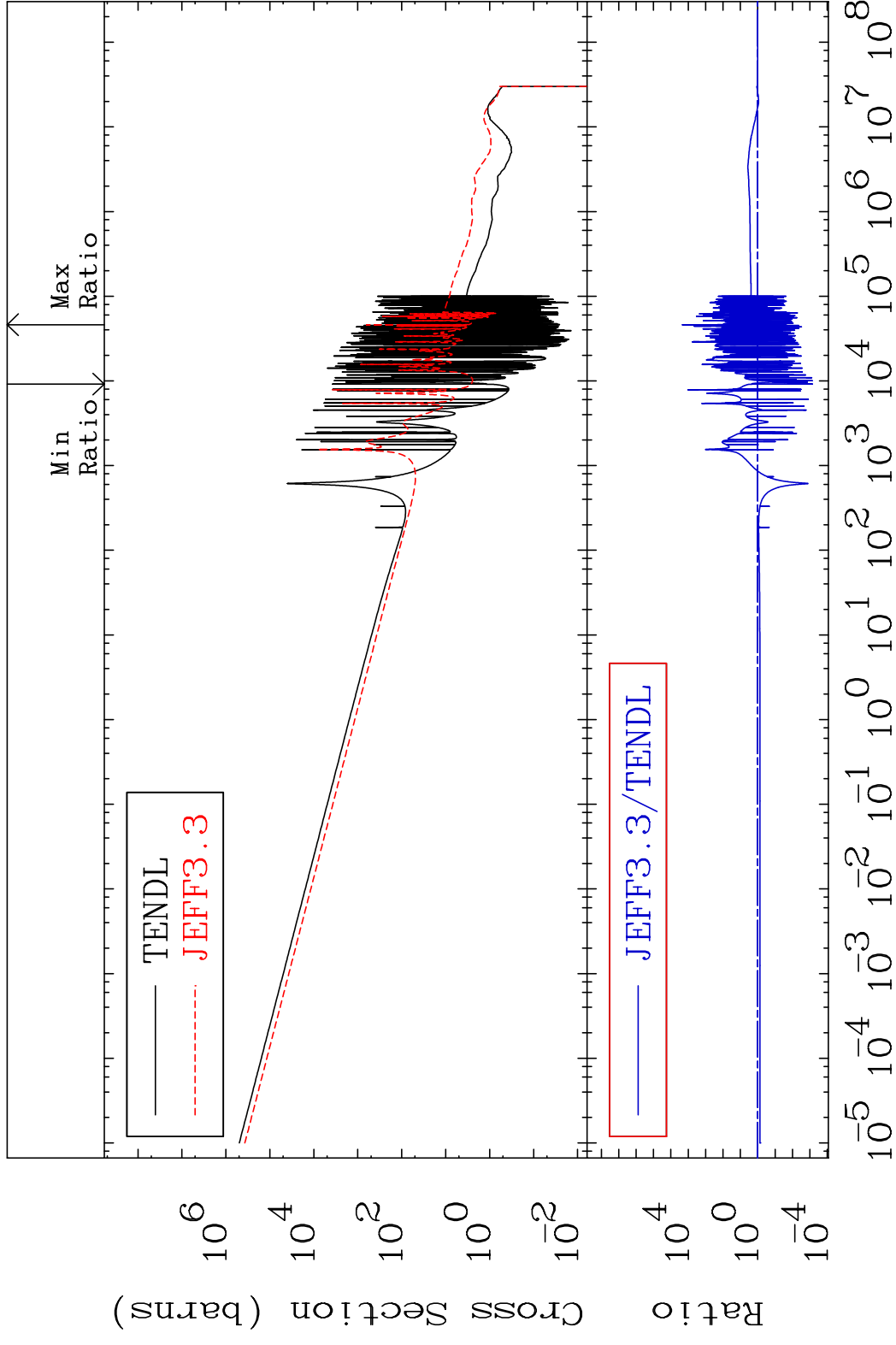
MAT 2519 Kerma fission (mt18 or mt19-20-21-38) 25-Mn-53
 Cross Section -100.0 To 36.08 %



MAT 2519

Kerma capture (mt102) 25-Mn-53

Cross Section -99.93 To 9999. %

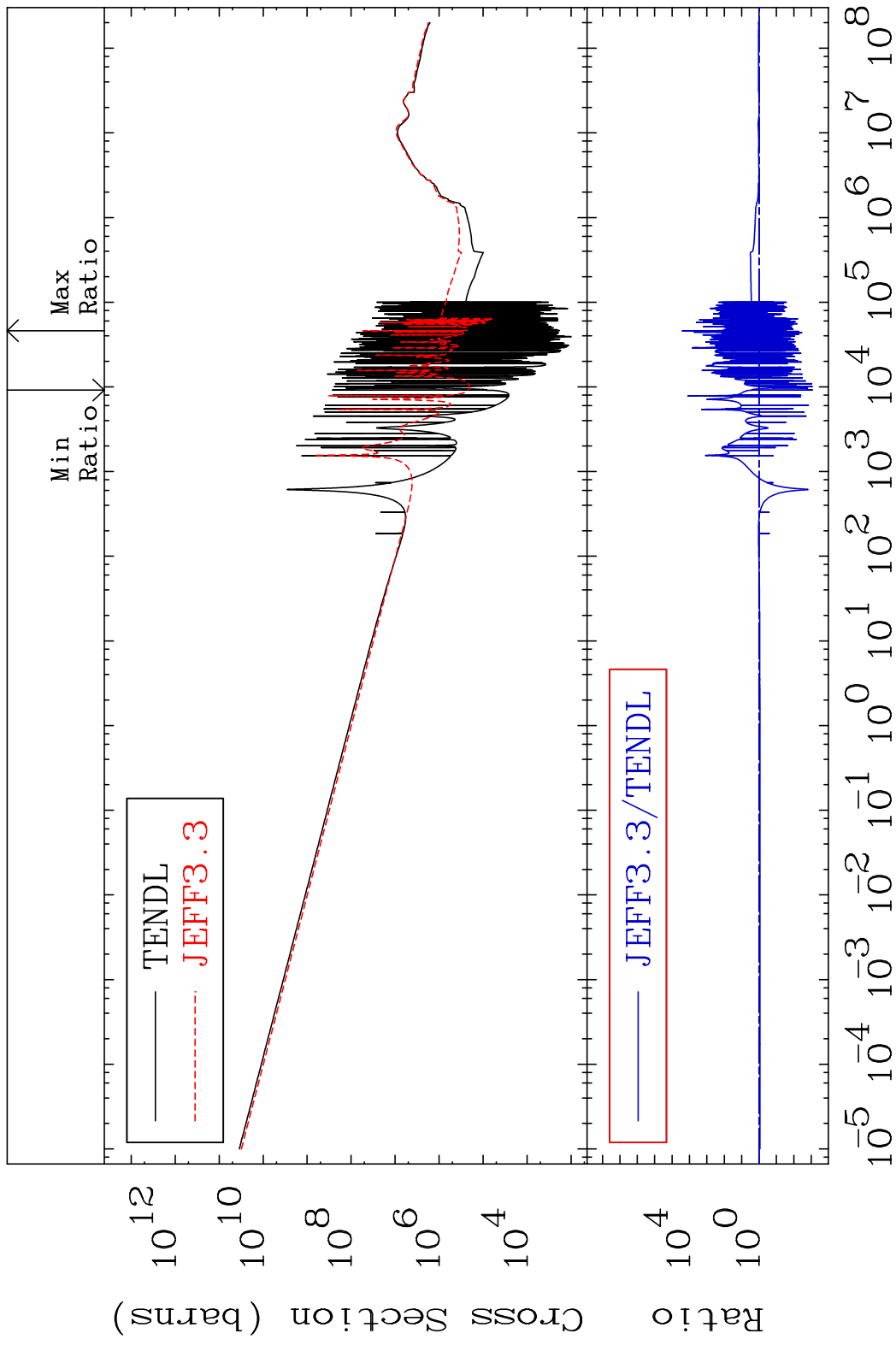


71

Incident Energy (eV)

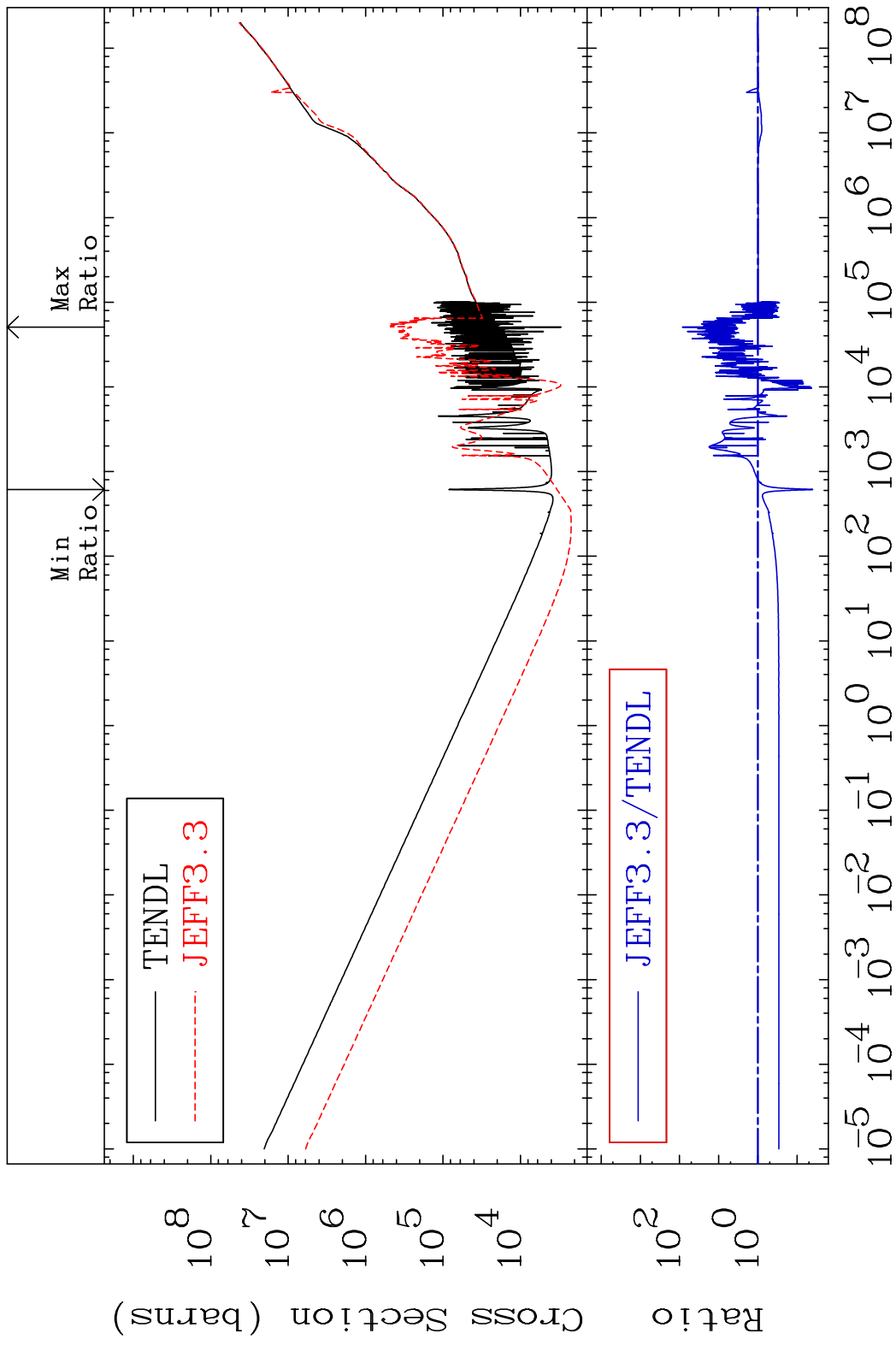
25-Mn-53

MAT 2519 Total photon (eV-barns) 25-Mn-53
Cross Section -99.92 To 9999. %

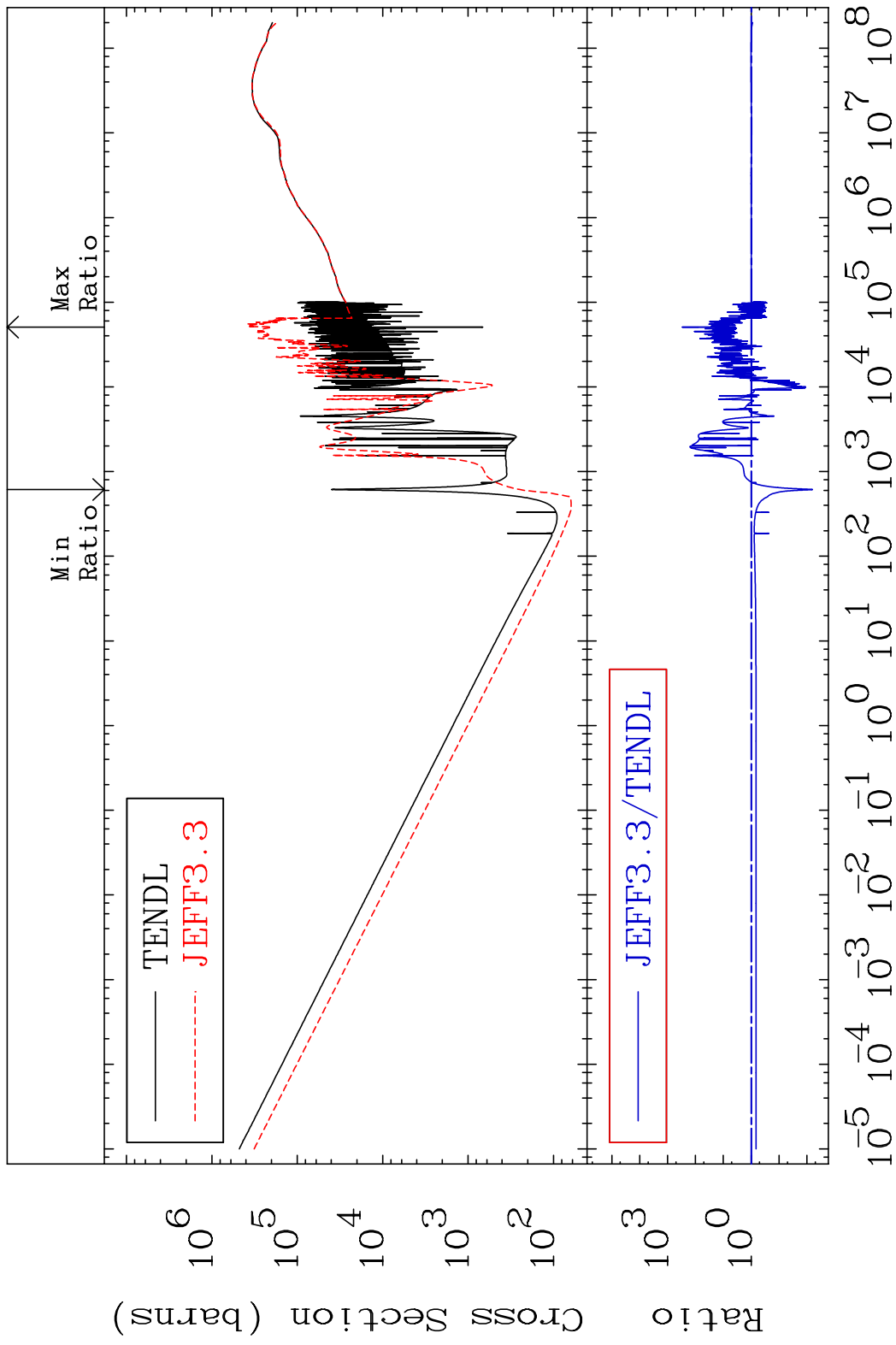


72 25-Mn-53

MAT 2519 Total kinematic kerma (high limit) 25-Mn-53
 Cross Section -95.97 To 8364. %



MAT 2519 Dpa total (eV-barns) 25-Mn-53
 Cross Section -99.37 To 9999. %



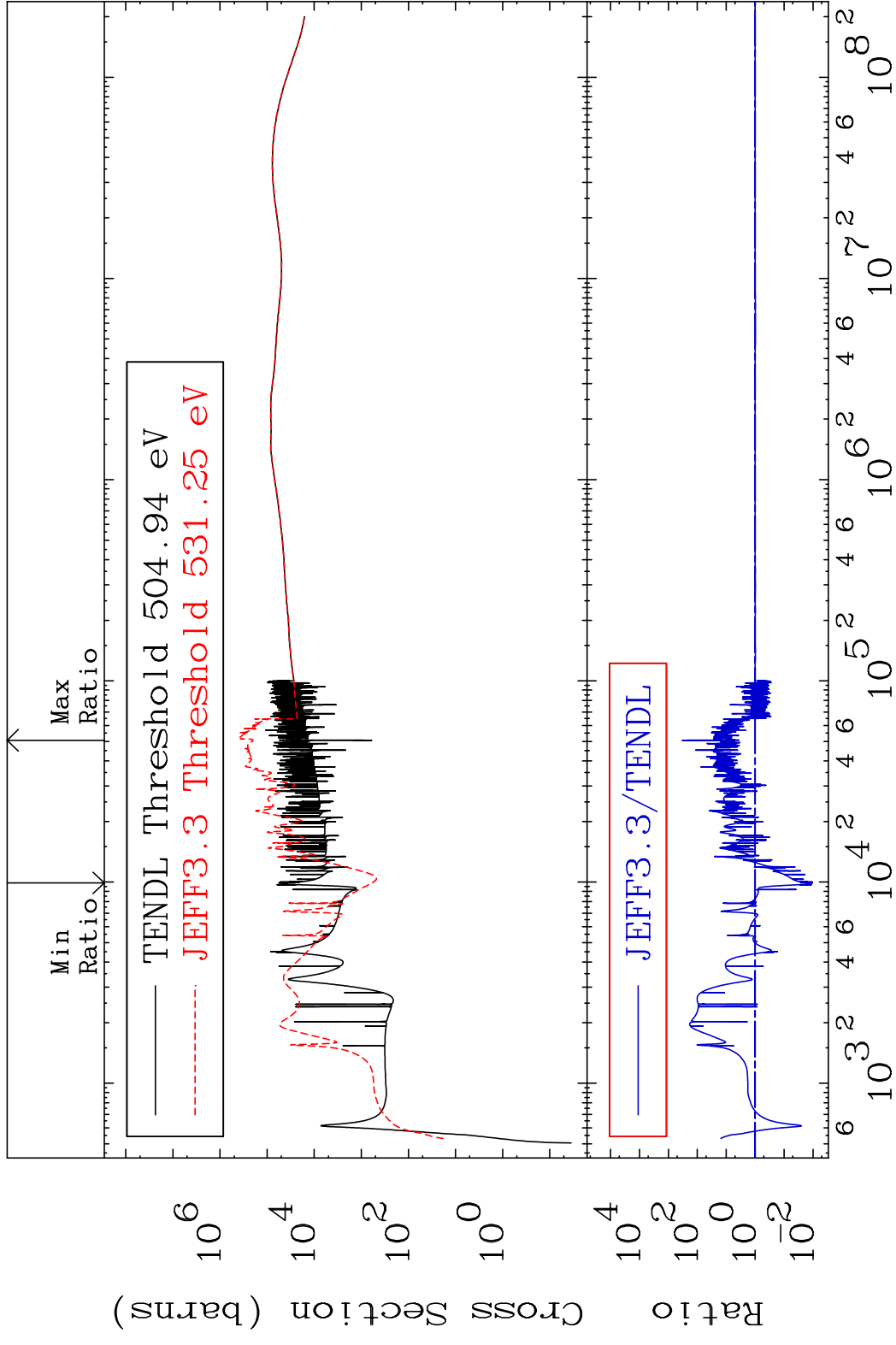
74 Incident Energy (eV) 25-Mn-53

MAT 2519

Dpa elastic (mt2)

25-Mn-53

Cross Section -98.96 To 9999. %

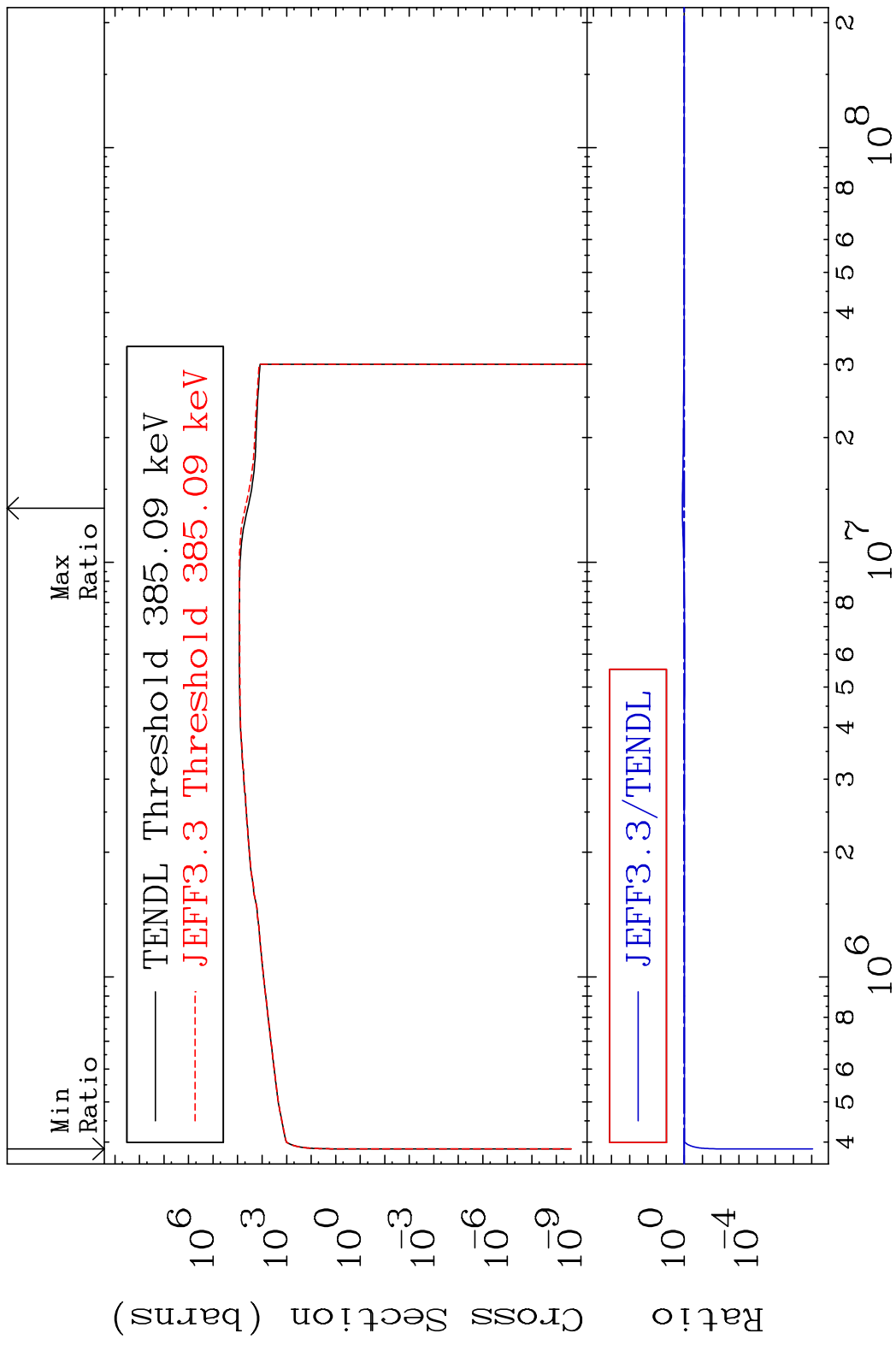


75

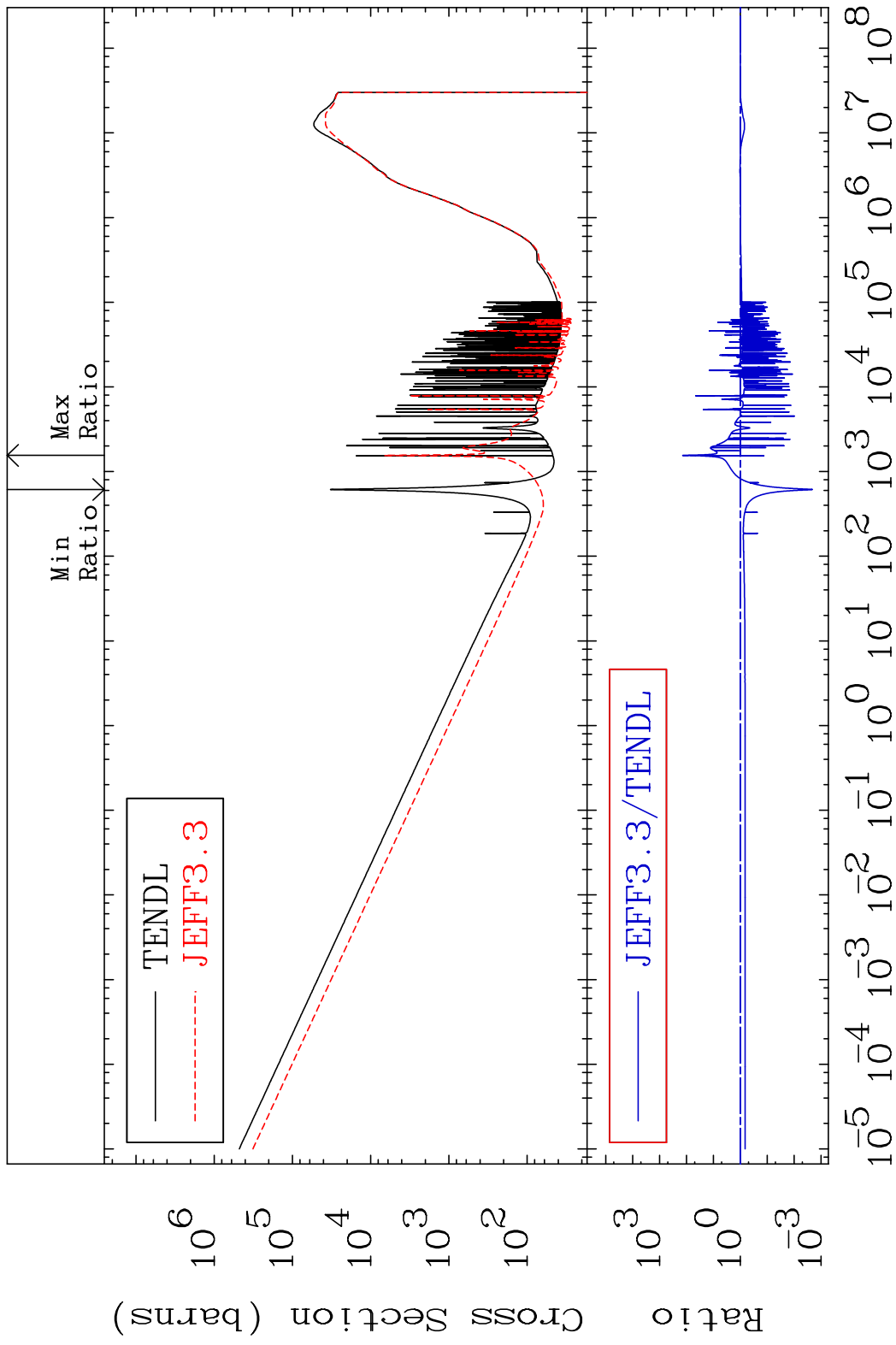
Incident Energy (eV)

25-Mn-53

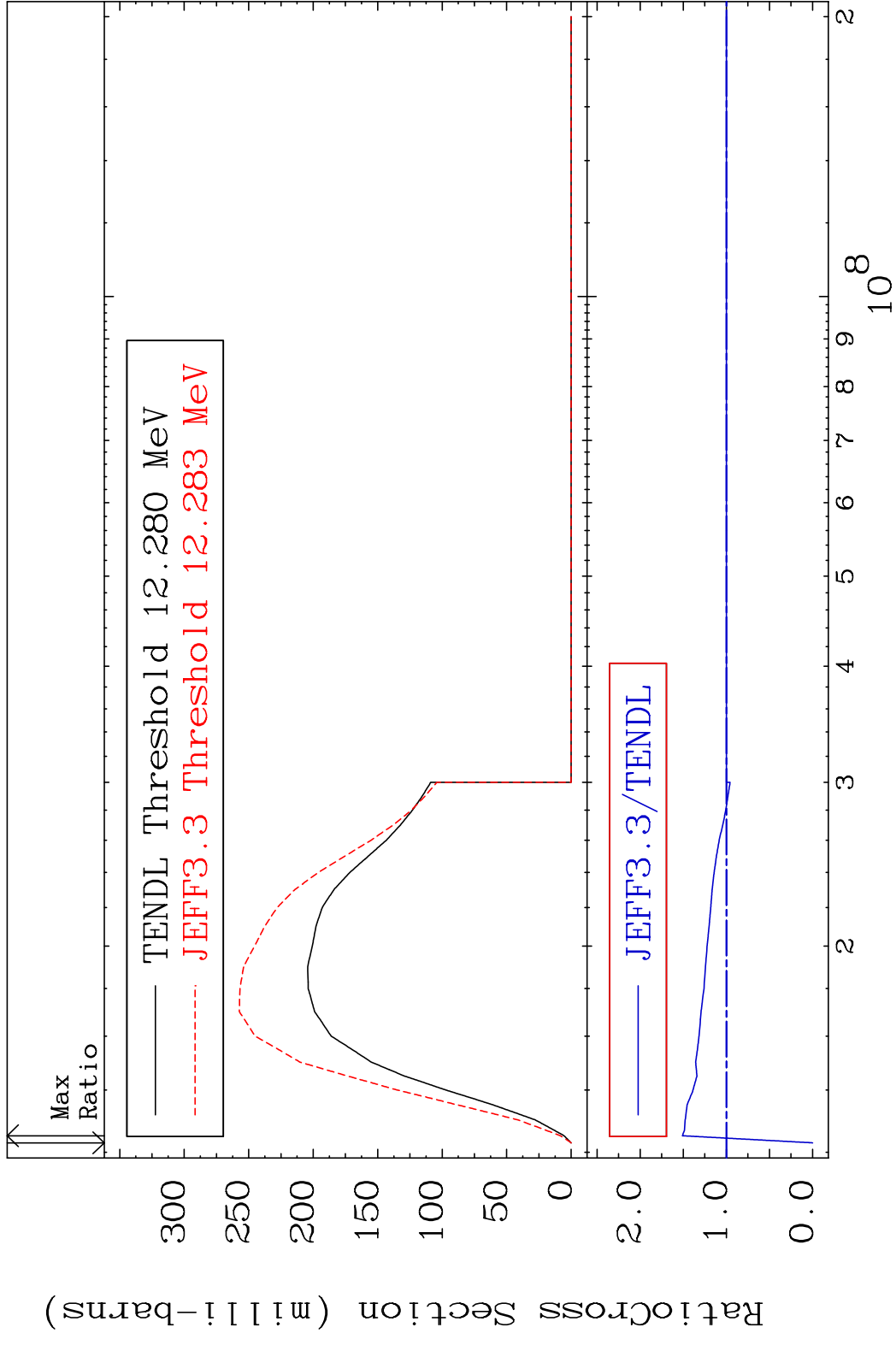
MAT 2519 Dpa inelastic (mt51-91) 25-Mn-53
 Cross Section -100.0 To 28.23 %



MAT 2519 Dpa disappearance (mt102 -120) 25-Mn-53
 Cross Section -99.79 To 9999. %



MAT 2519 (n,2n):25-Mn-52g 25-Mn-53
 Radionuclide Production Cross Section 180.01 dth 51.05 %



MAT 2519 (n,2n):25-Mn-52m1 25-Mn-53
 Radionuclide Production Cross Section 180.01 d10 93.45 %

