

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

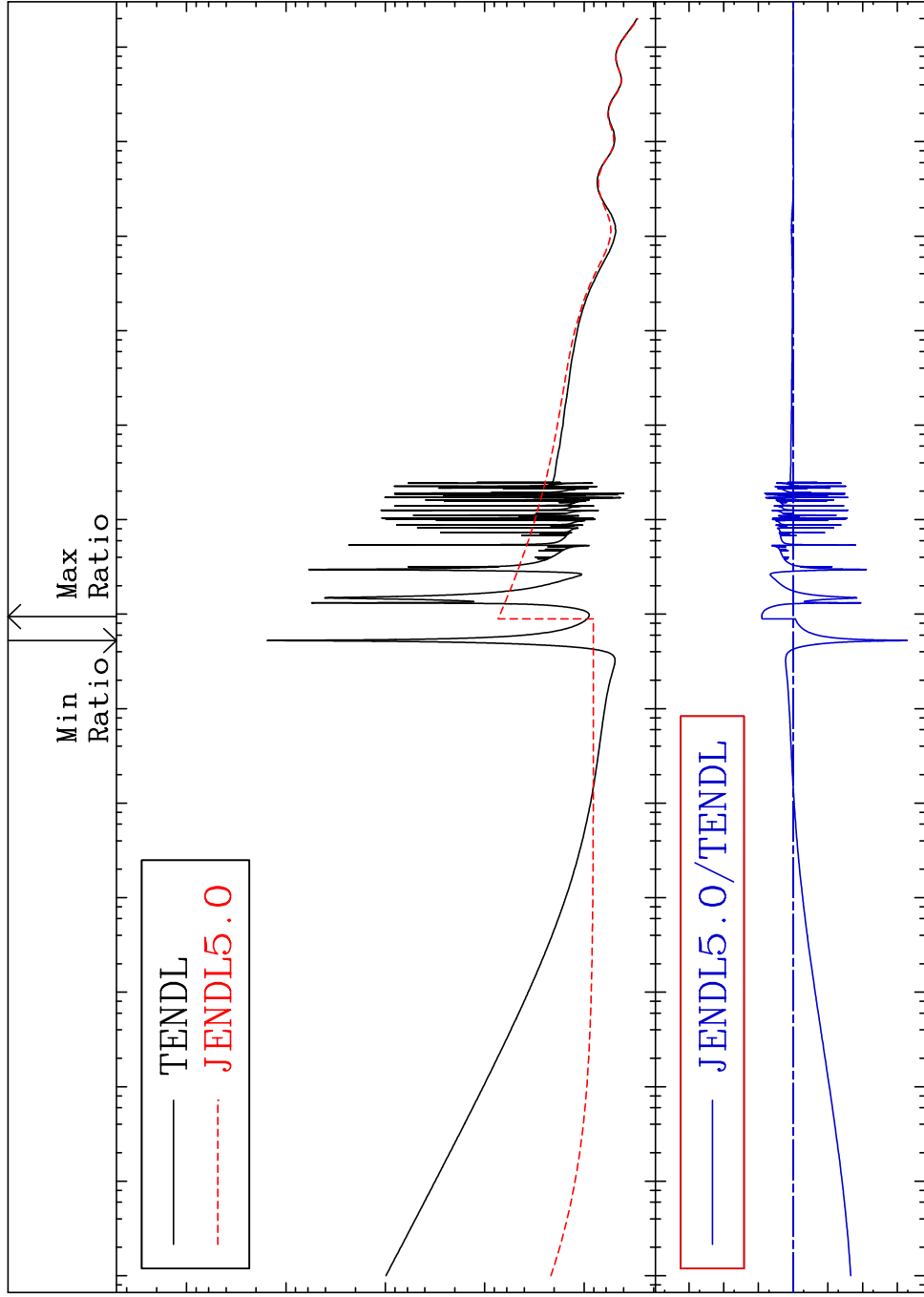
MAT 81119

Total

81-Tl-201

Cross Section

-99.95 To 698.1 %



Cross Section (barns)

Ratio

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

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

1

Incident Energy (eV)

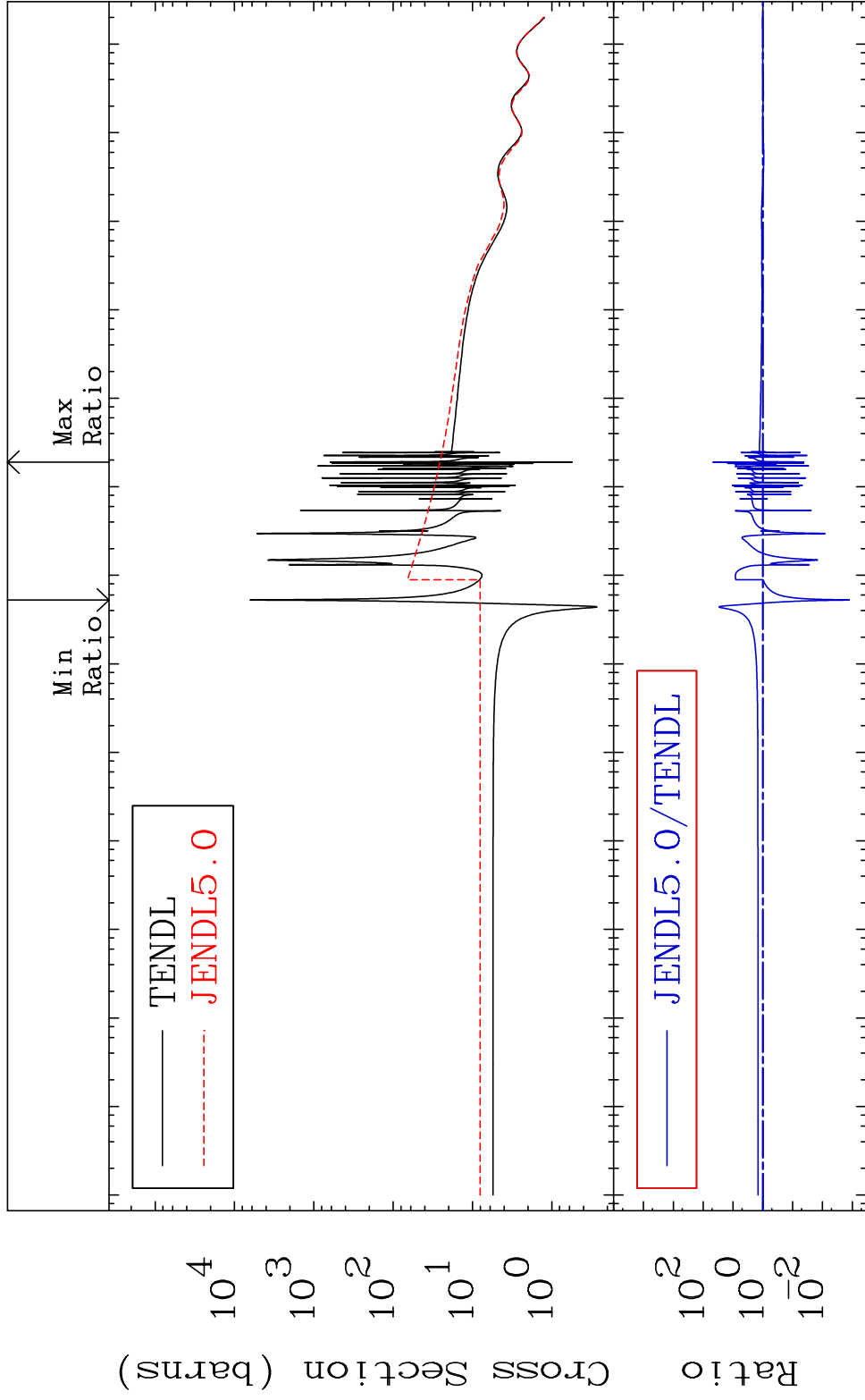
81-Tl-201

MAT 8119

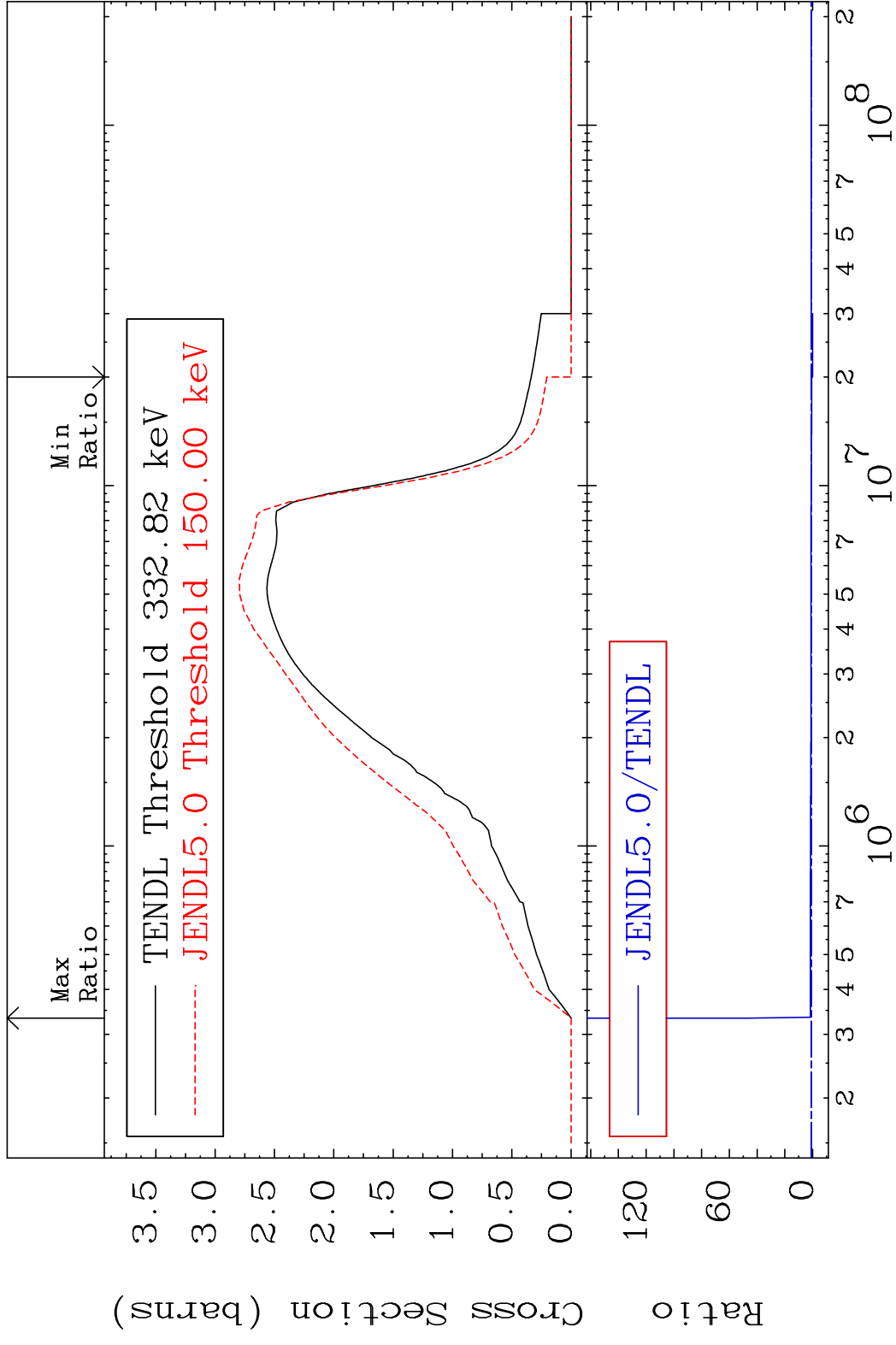
Elastic

81-Tl-201

Cross Section -99.87 To 4514. %



MAT 8119 Inelastic 81-Tl-201
 Cross Section -100.0 To 9288. %

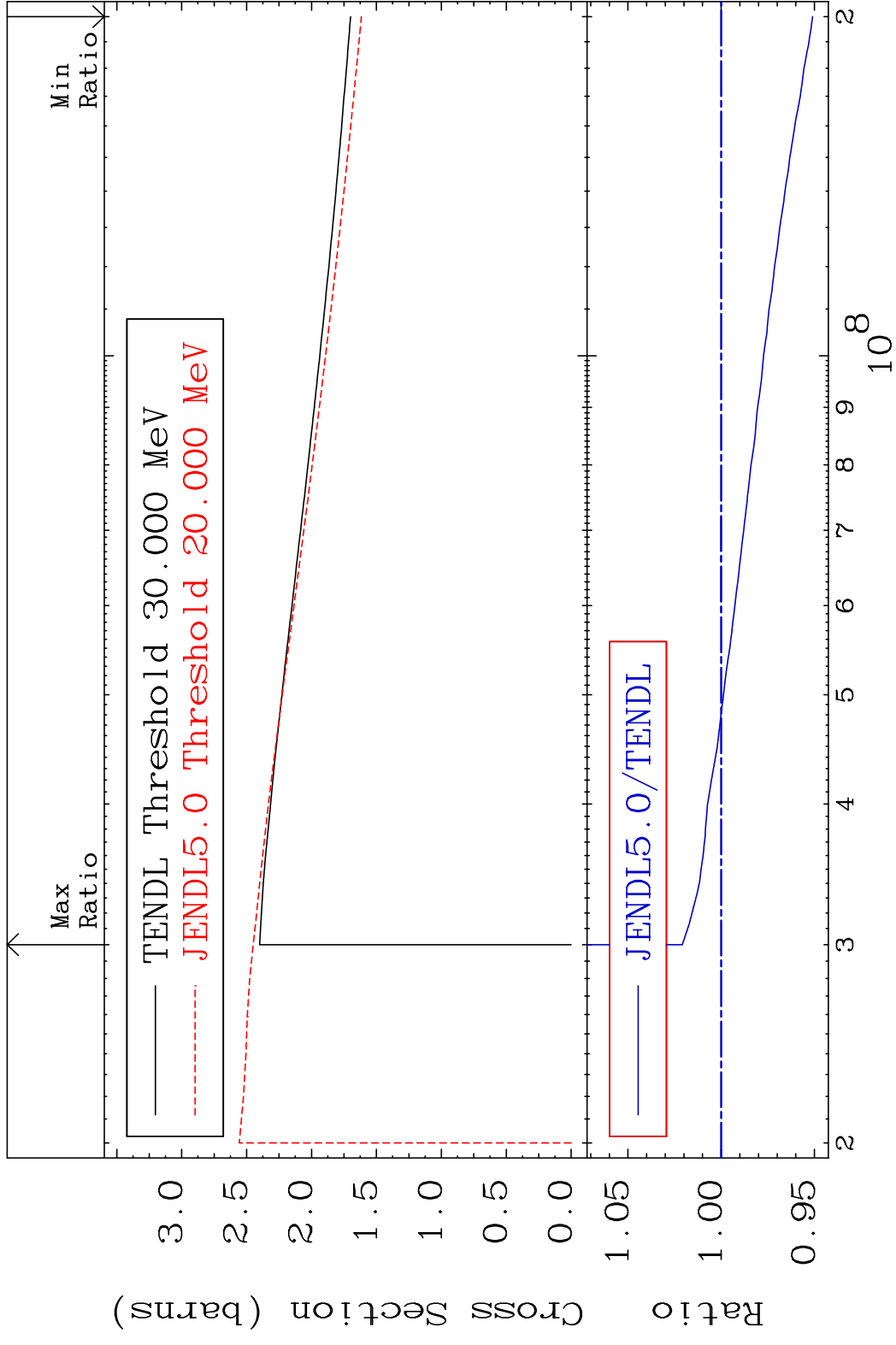


MAT 8119

(n, remainder)

81-Tl-201

Cross Section -4.897 To 2.083 %

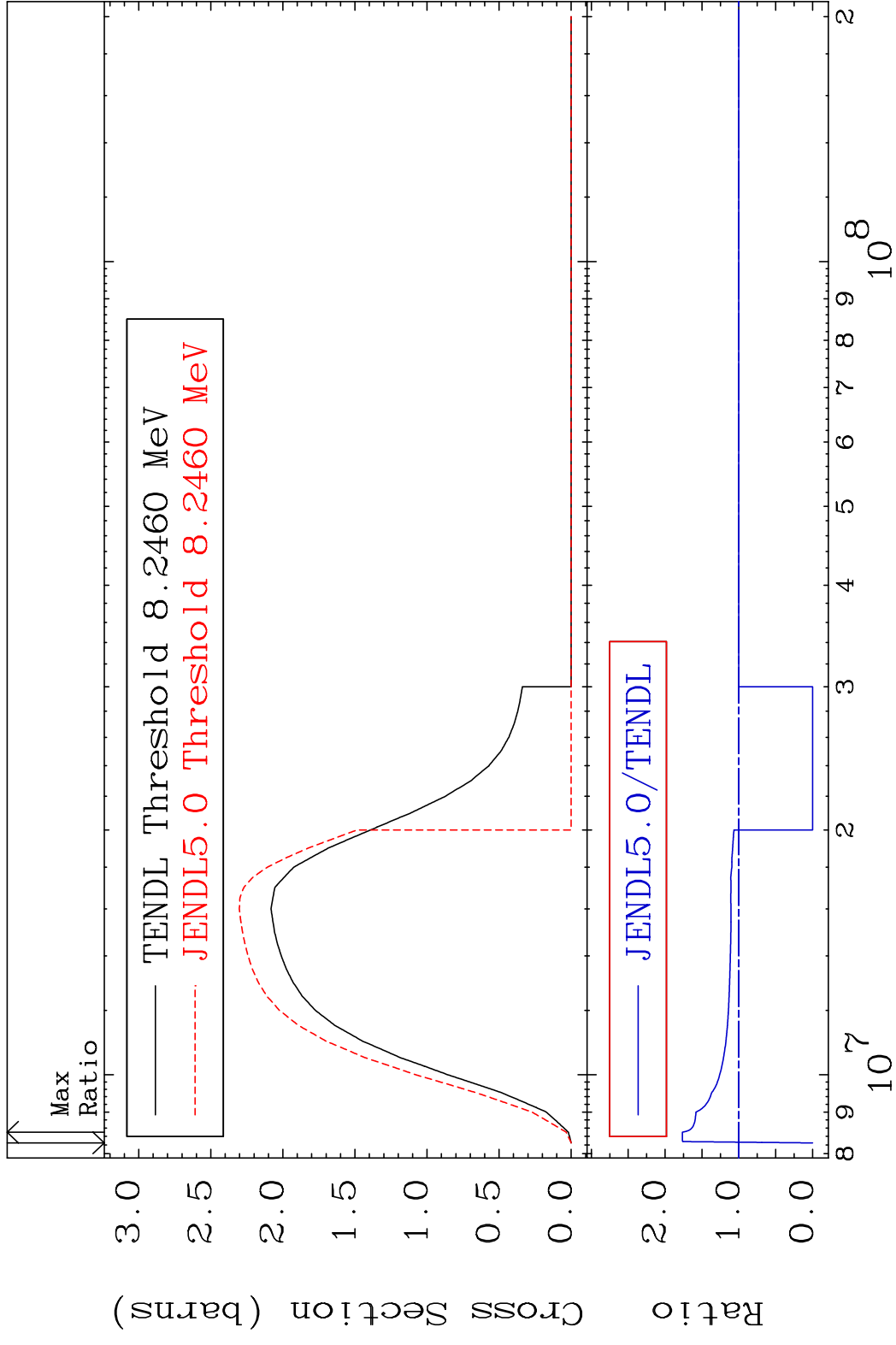


4

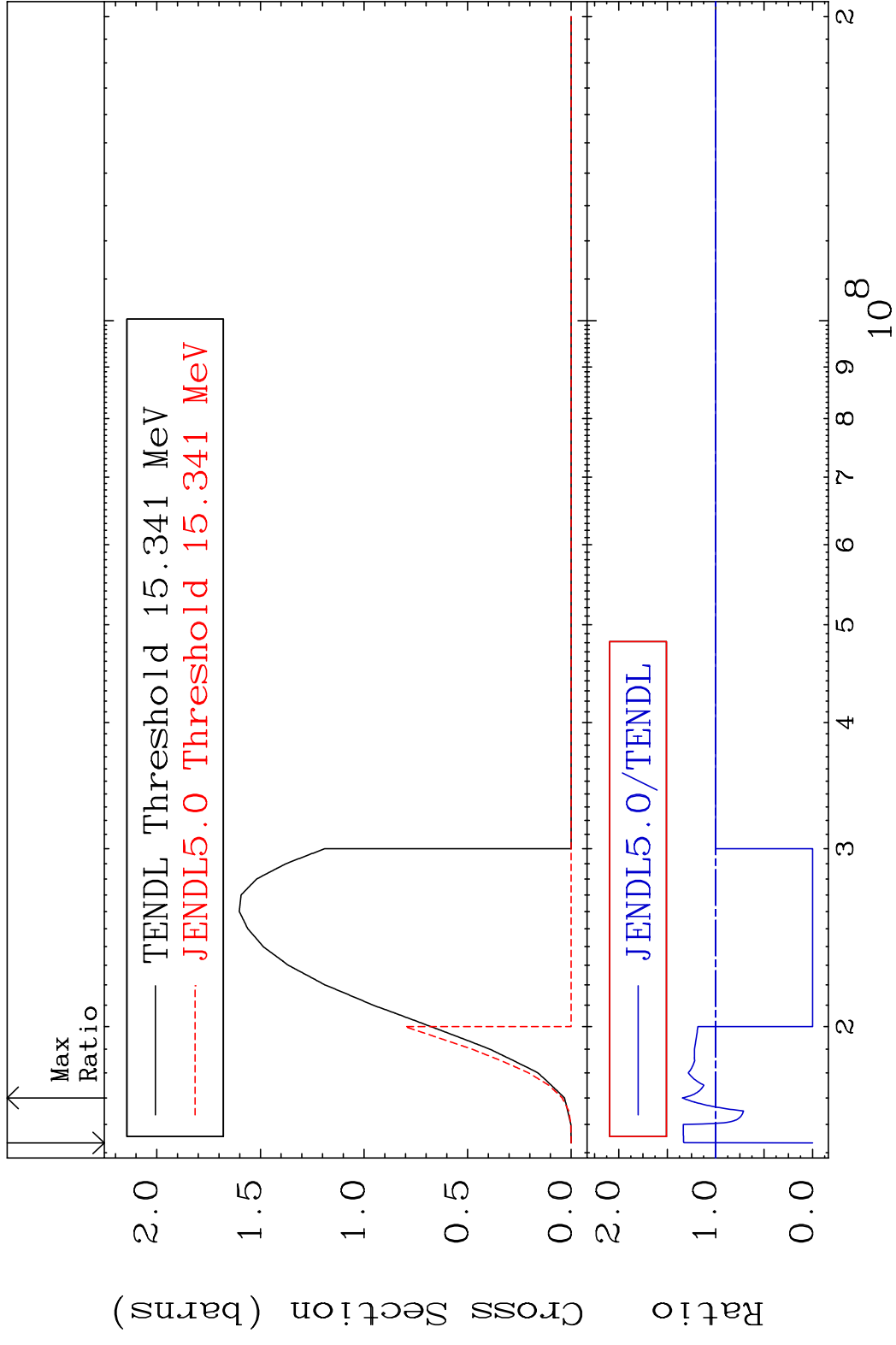
Incident Energy (eV)

81-Tl-201

MAT 8119 (n,2n) 81-Tl-201
 Cross Section -100.0 To 76.56 %



MAT 8119 (n,3n) 81-Tl-201
 Cross Section -100.0 To 34.38 %

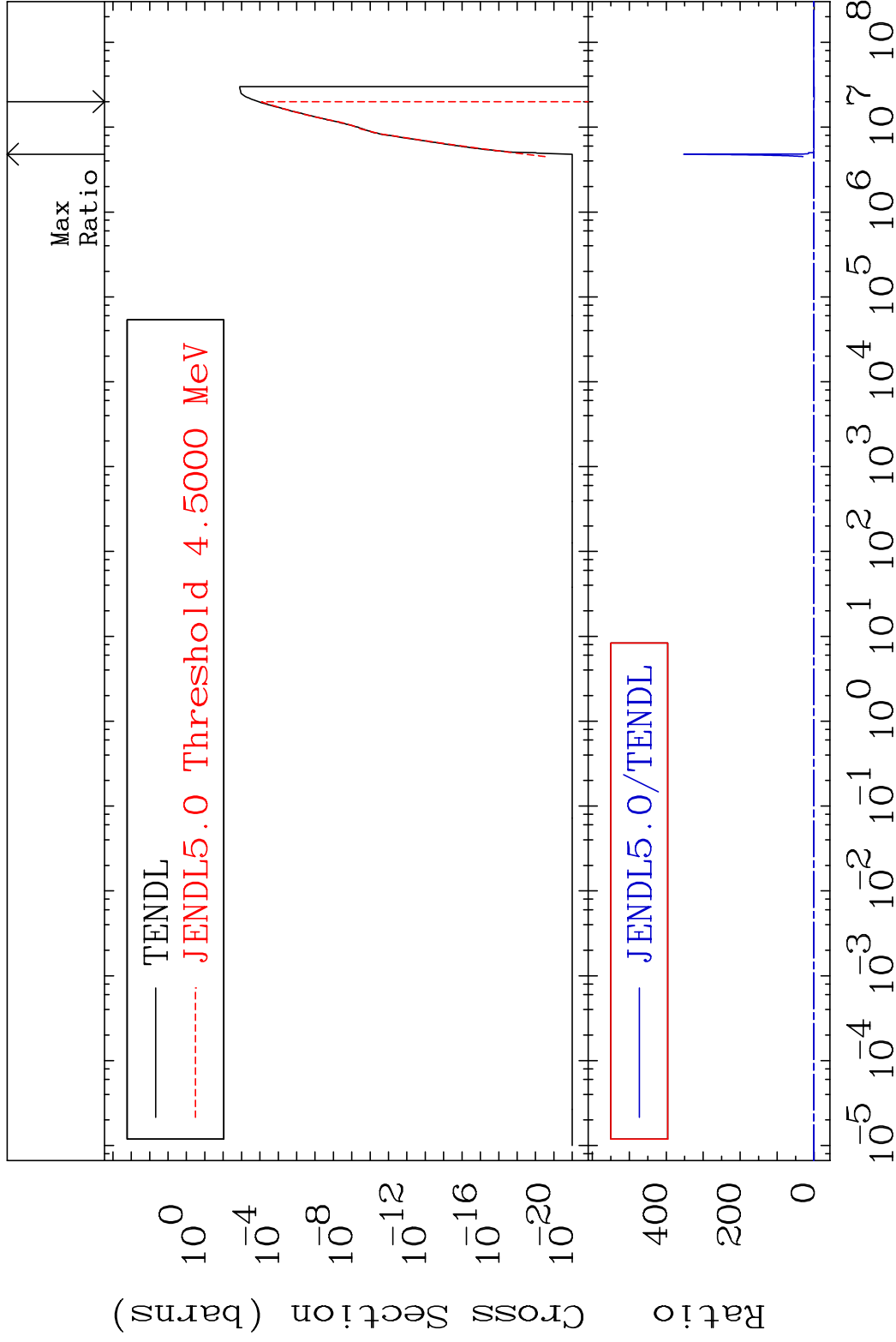


MAT 8119

(n, n') α

81-Tl-201

Cross Section -100.0 To 9999. %

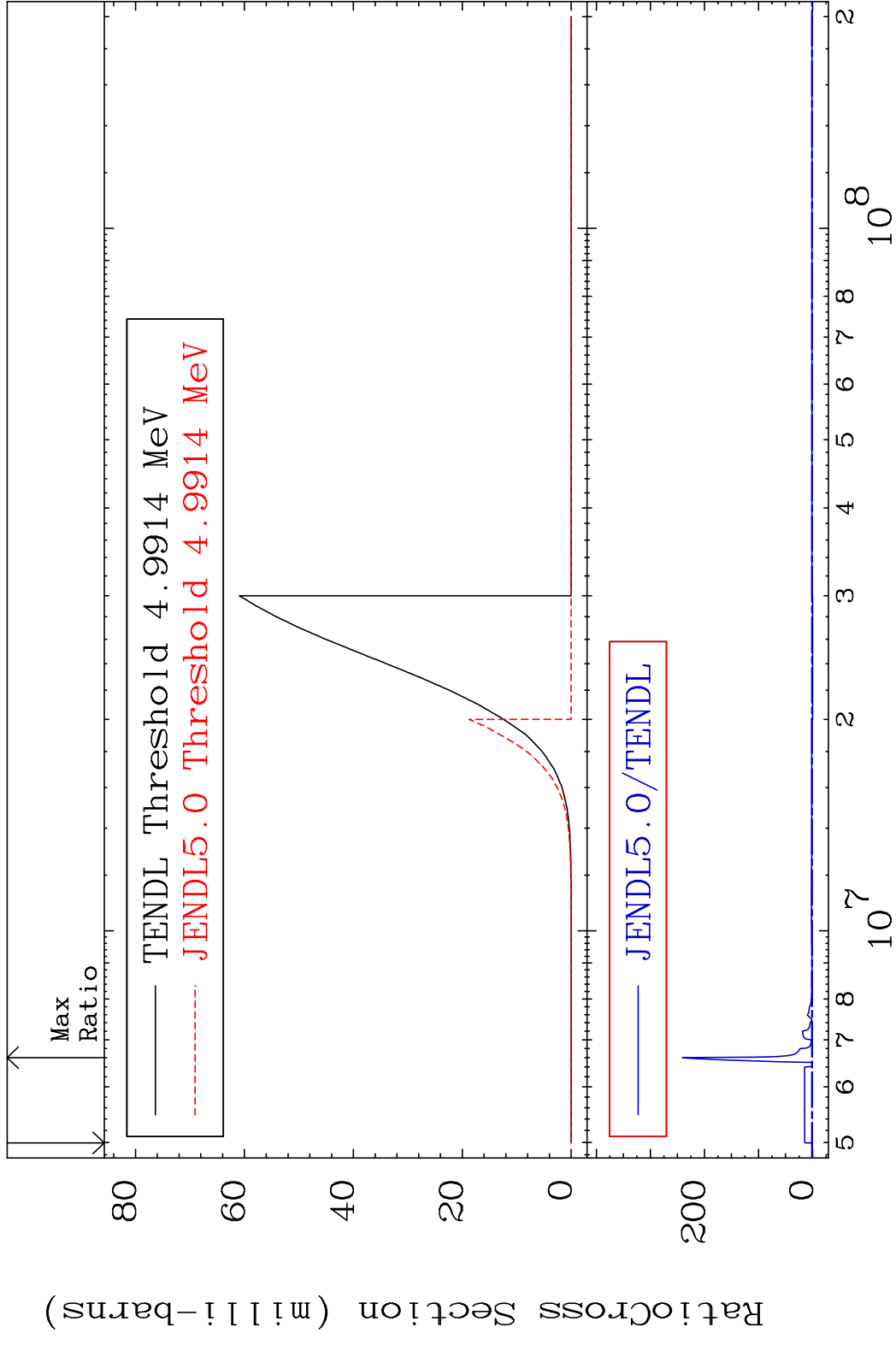


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Incident Energy (eV)

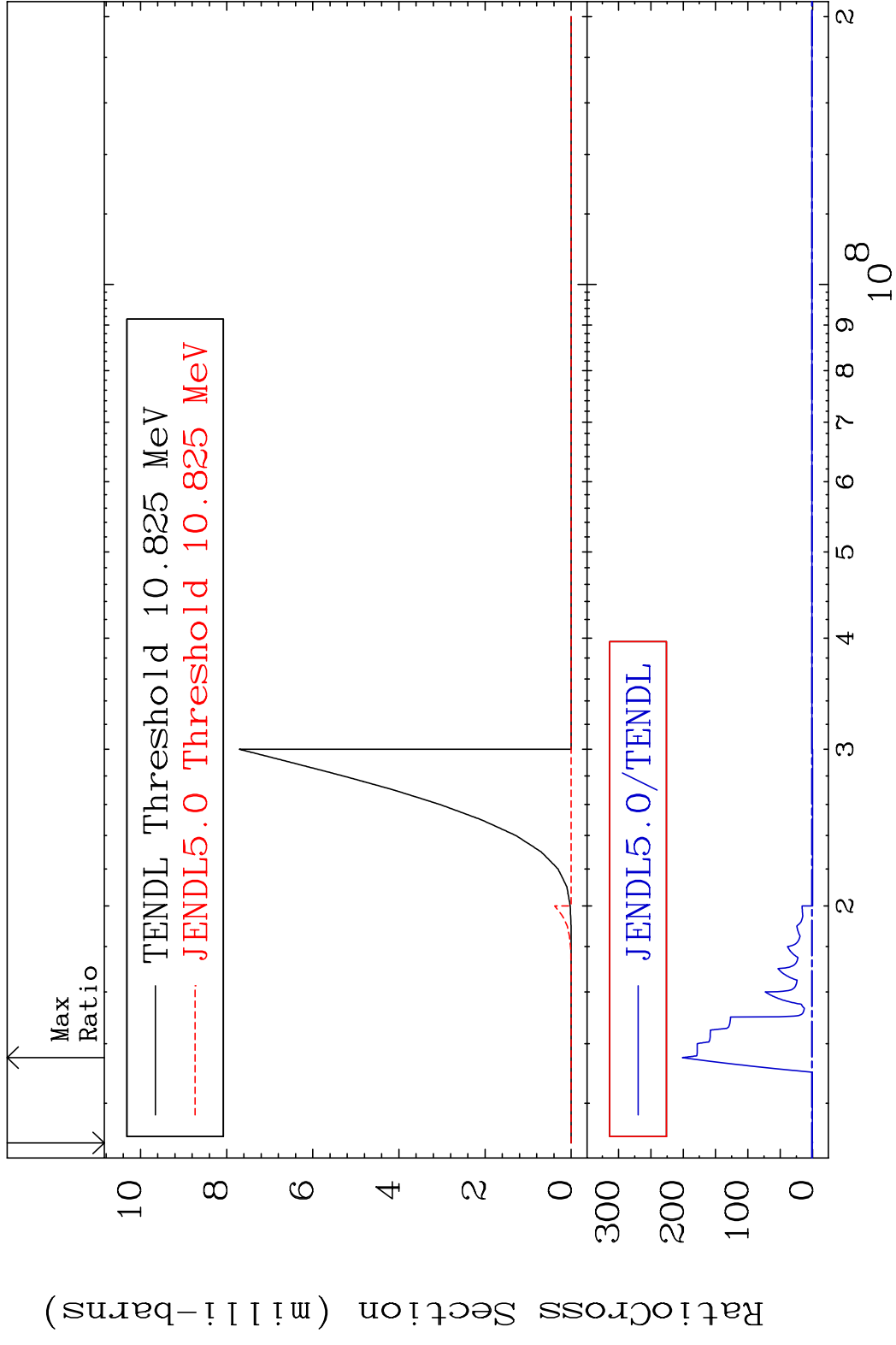
81-Tl-201

MAT 8119 (n, n') p 81-Tl-201
 Cross Section -100.0 To 9999. %



8 Incident Energy (eV) 81-Tl-201

MAT 8119 (n, n') d 81-Tl-201
 Cross Section -100.0 To 9999. %

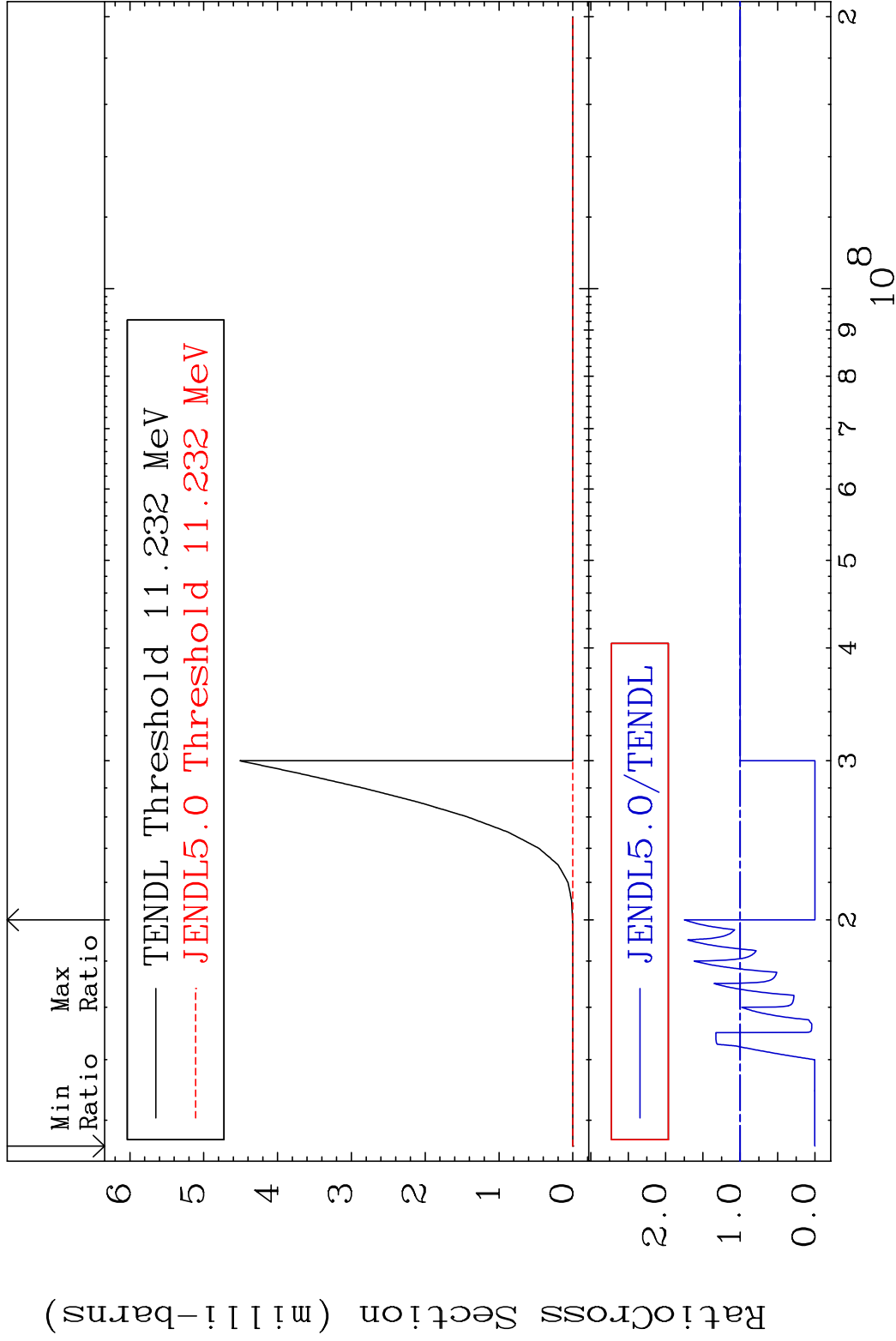


MAT 8119

(n, n') t

81-Tl-201

Cross Section -100.0 To 74.90 %

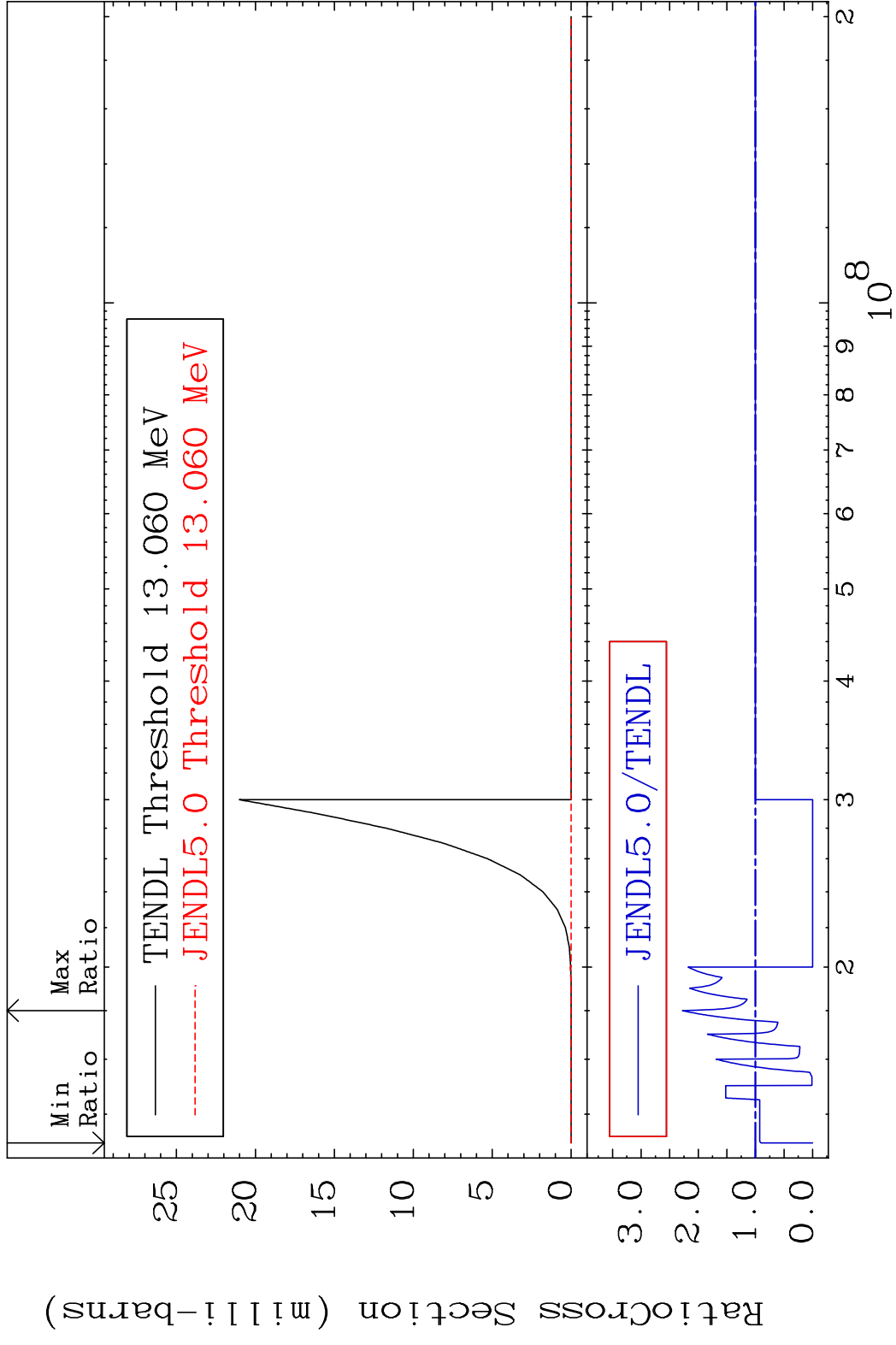


10

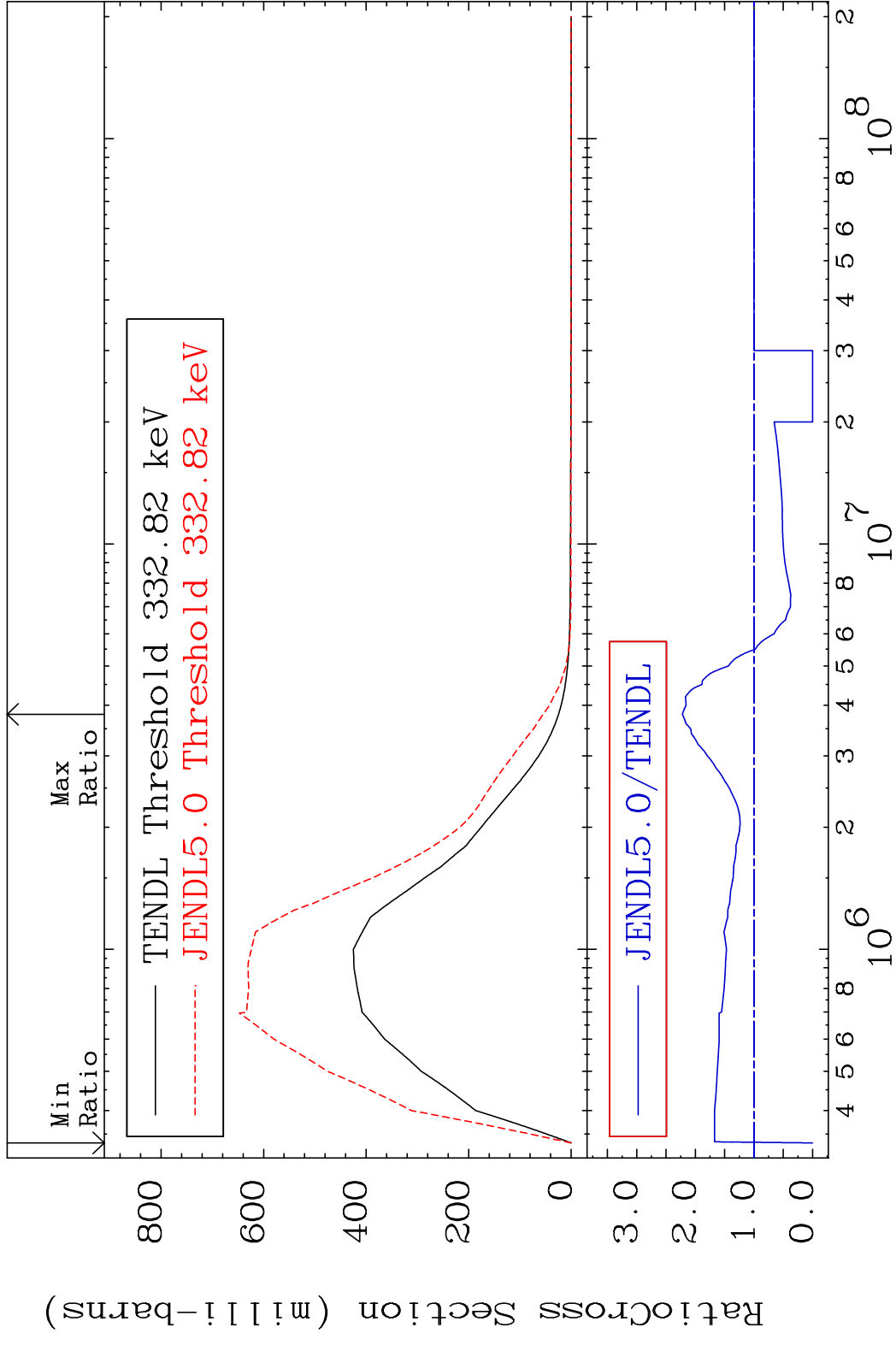
Incident Energy (eV)

81-Tl-201

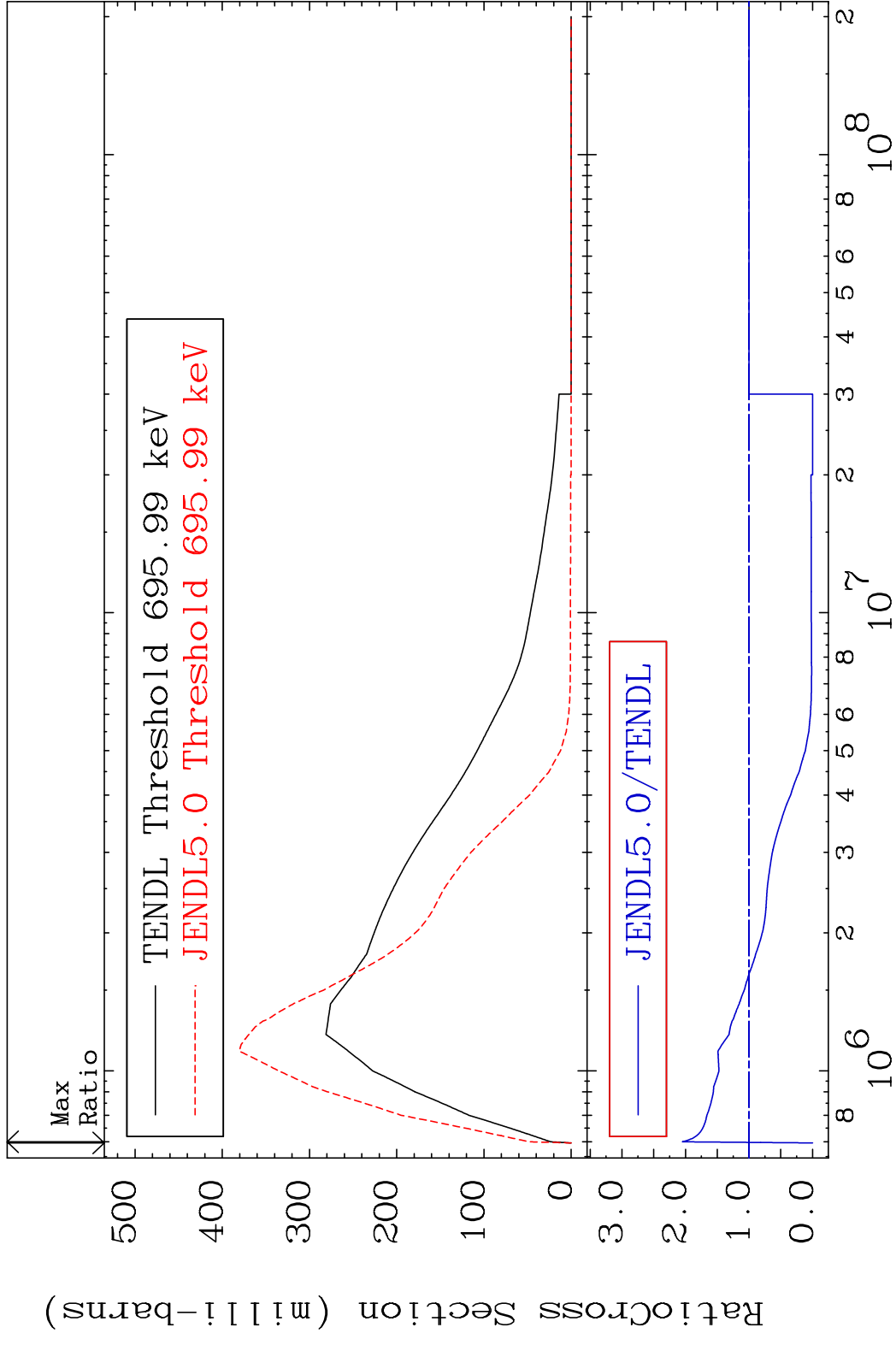
MAT 8119 (n,2n) p 81-Tl-201
 Cross Section -100.0 To 127.9 %



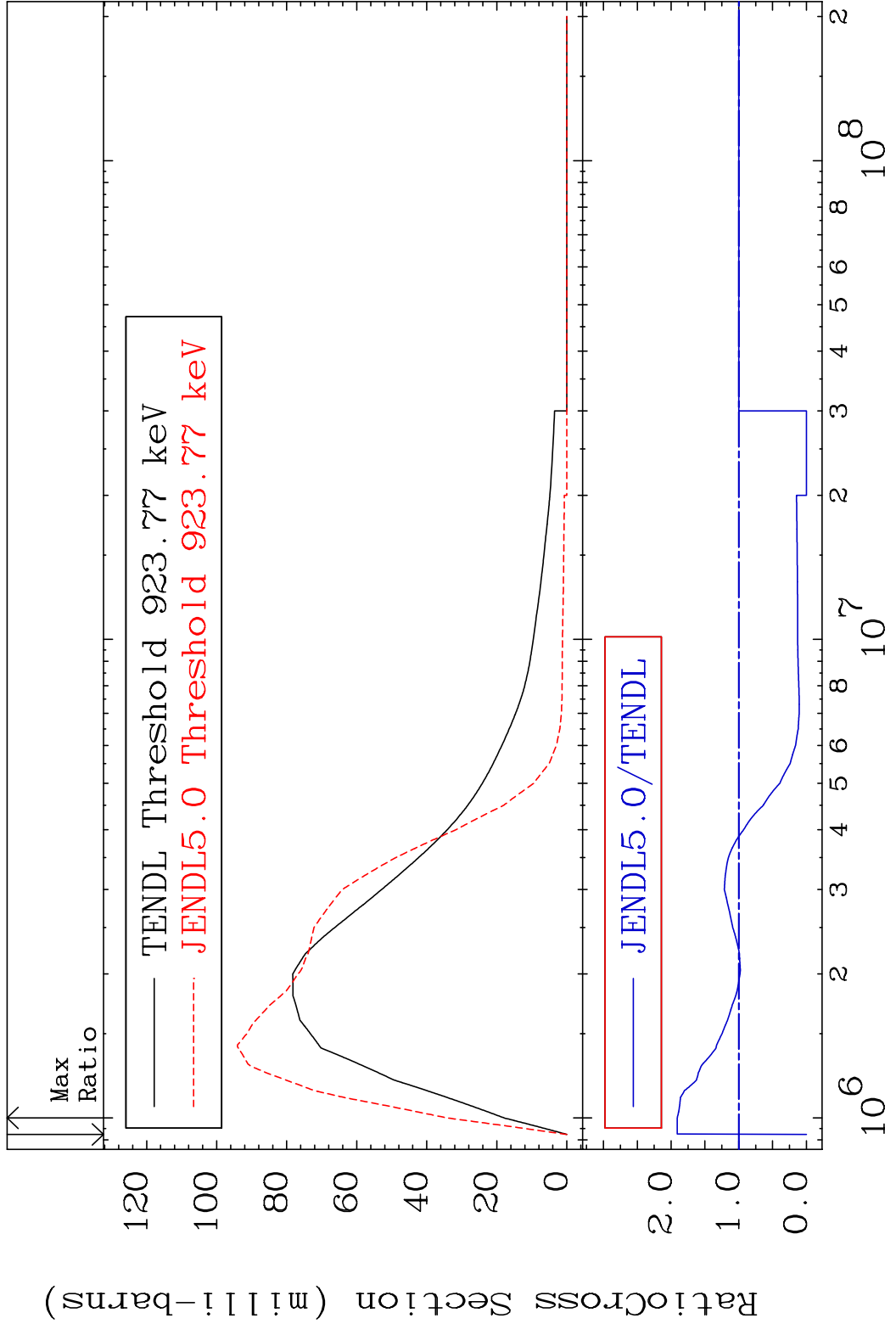
MAT 8119 MT= 51 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 122.2 %



MAT 8119 MT= 52 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 105.0 %

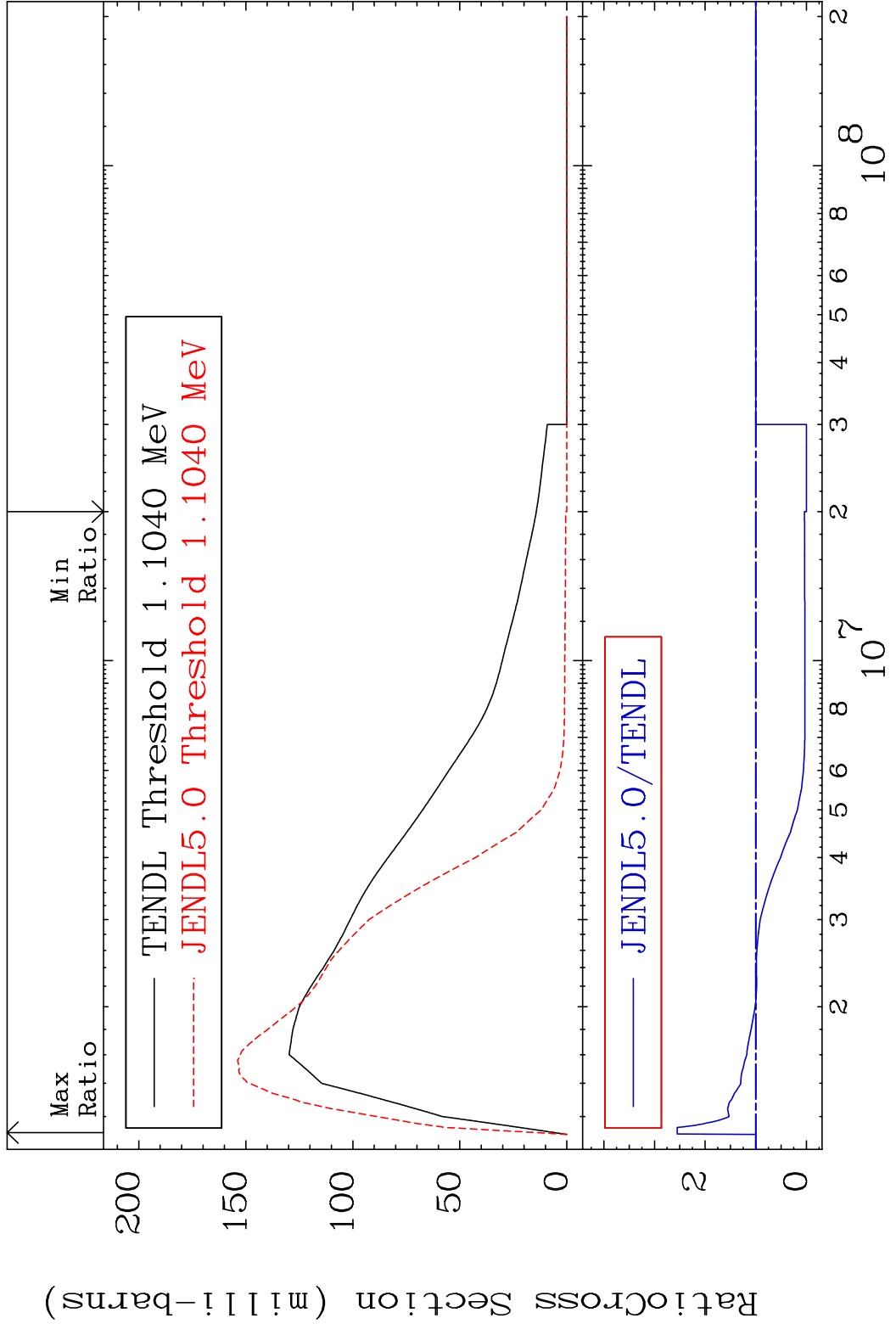


MAT 8119 MT= 53 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 91.04 %

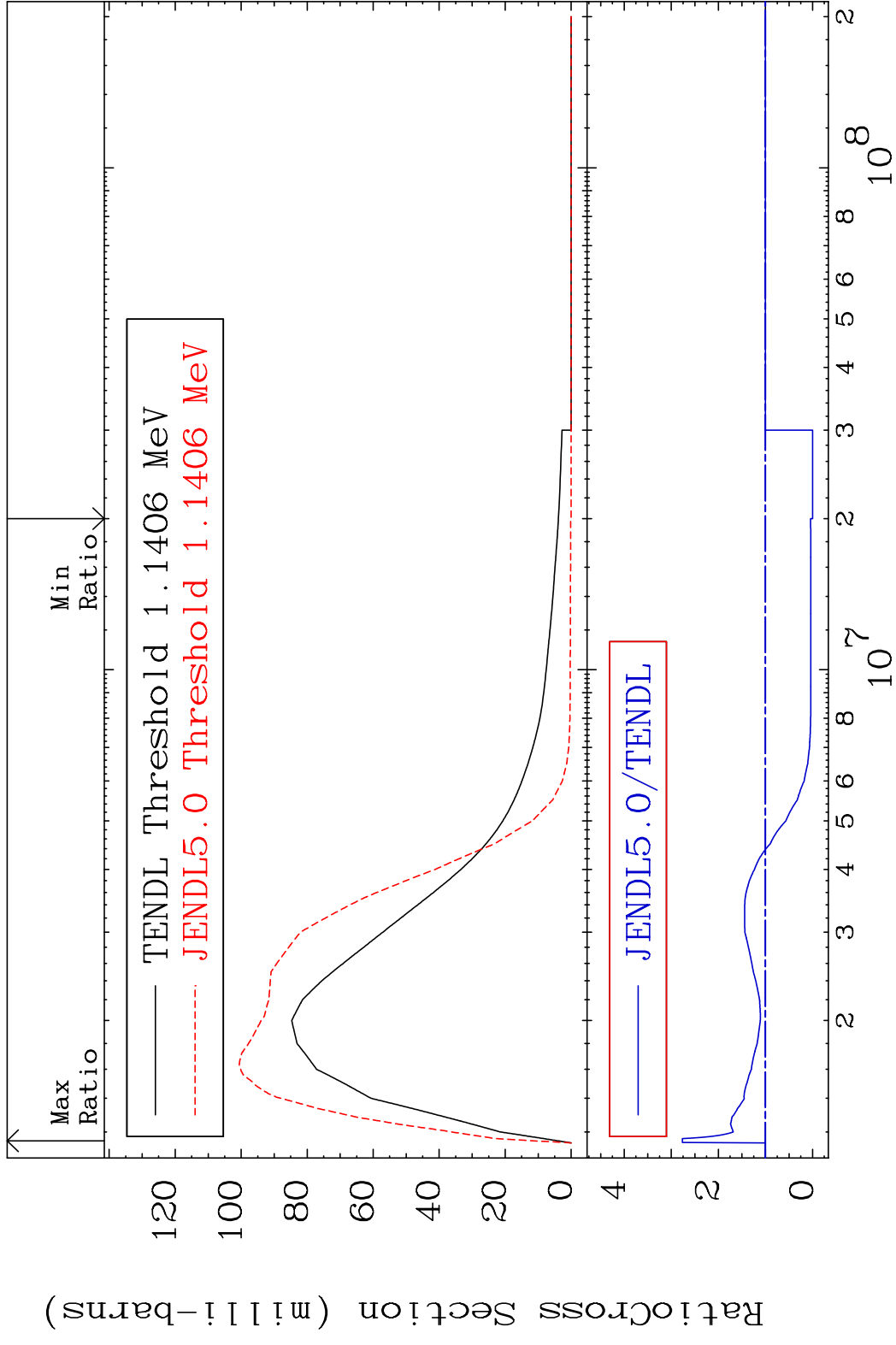


14 Incident Energy (eV) 81-Tl-201

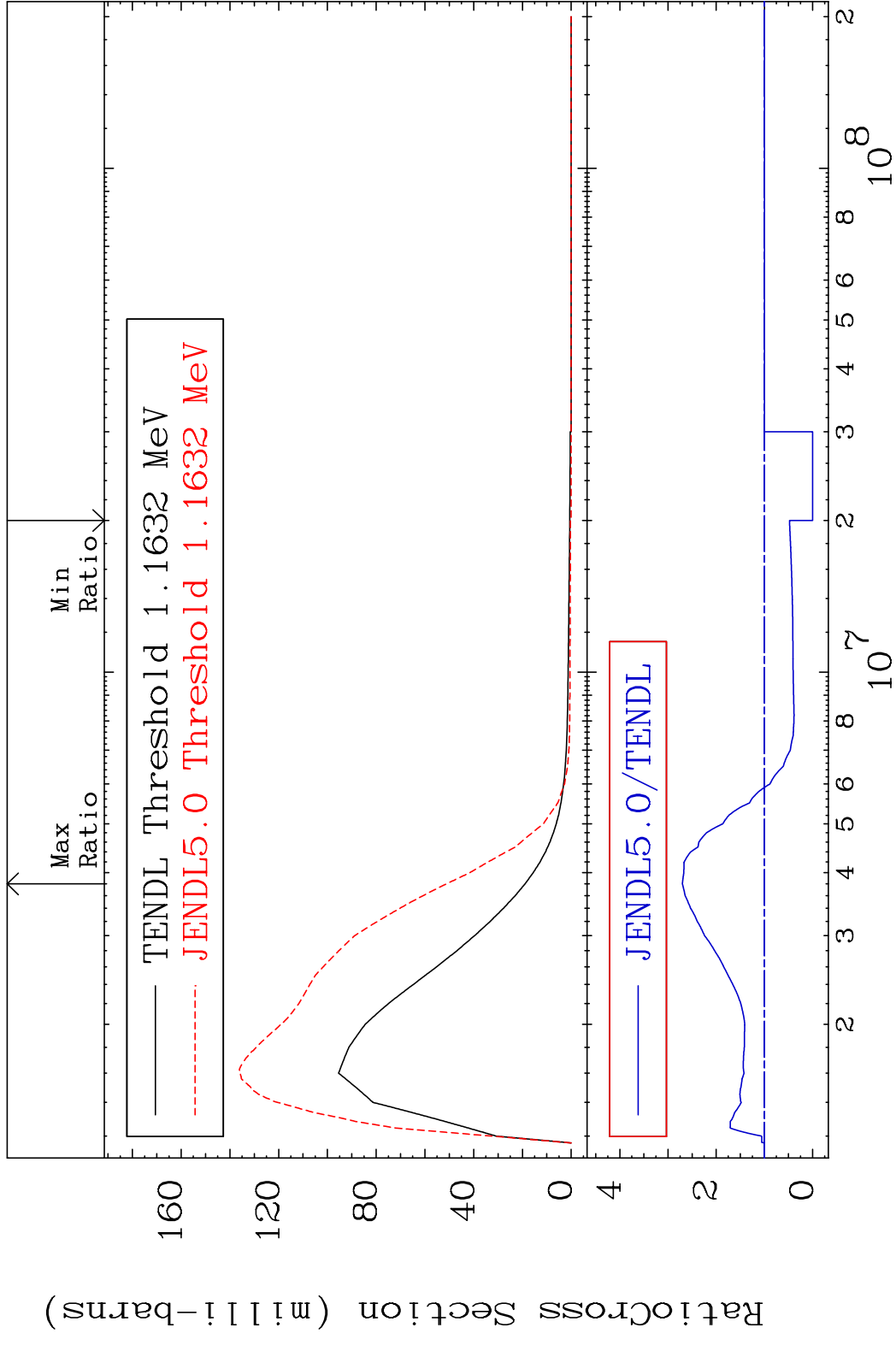
MAT 8119 MT= 54 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 155.2 %



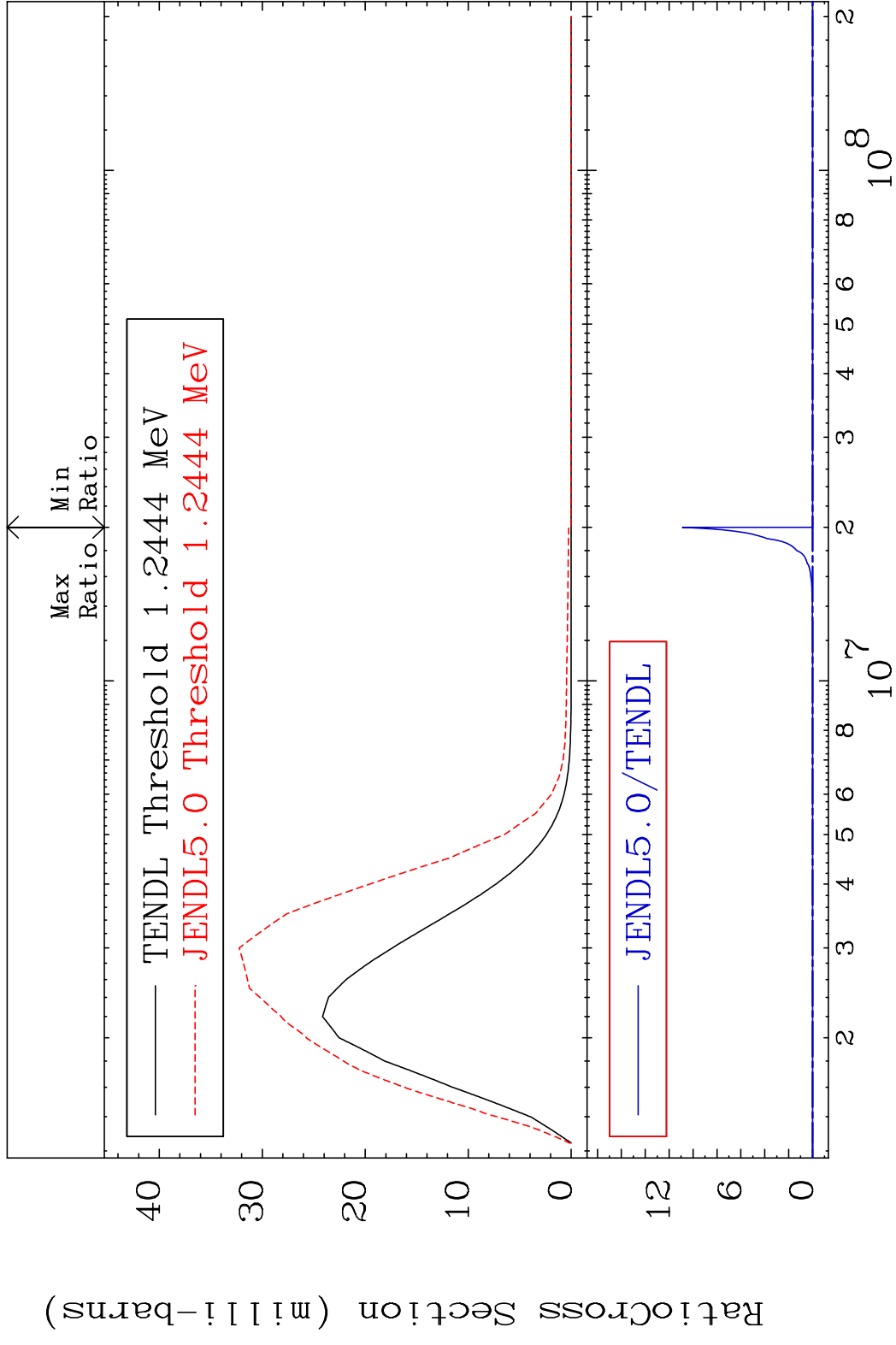
MAT 8119 MT= 55 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 176.5 %



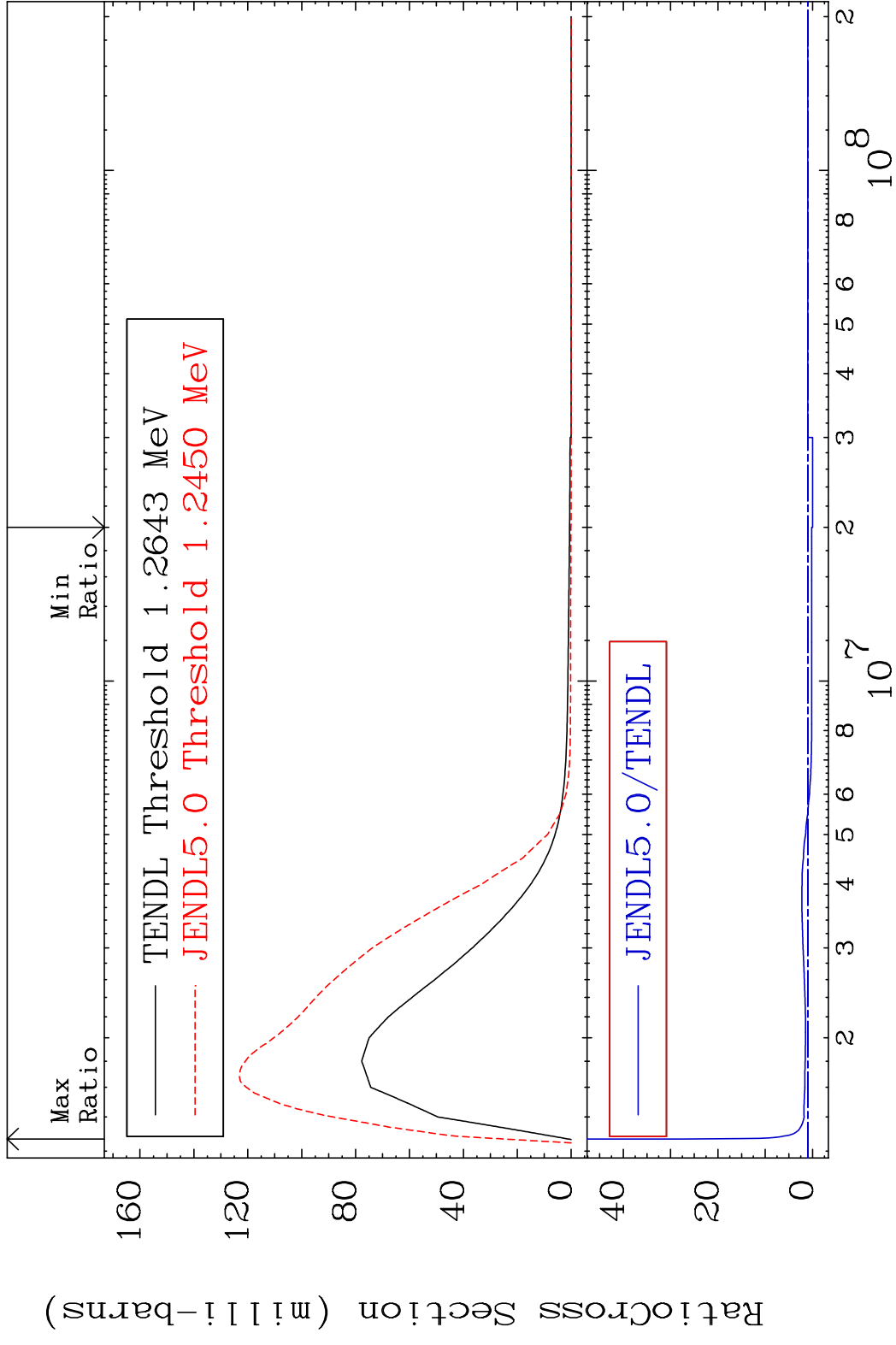
MAT 8119 MT= 56 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 170.2 %



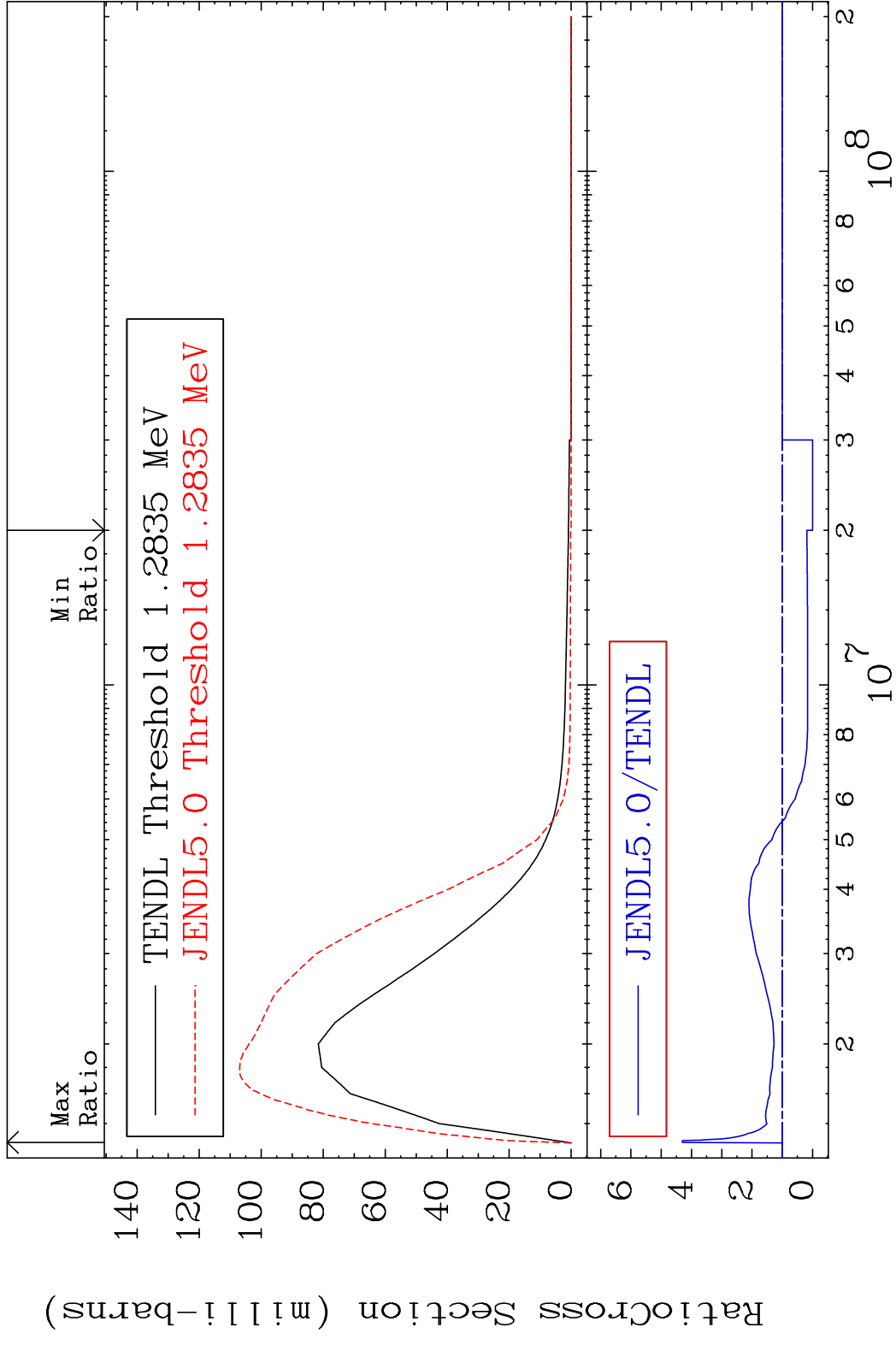
MAT 8119 MT= 57 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 9999. %



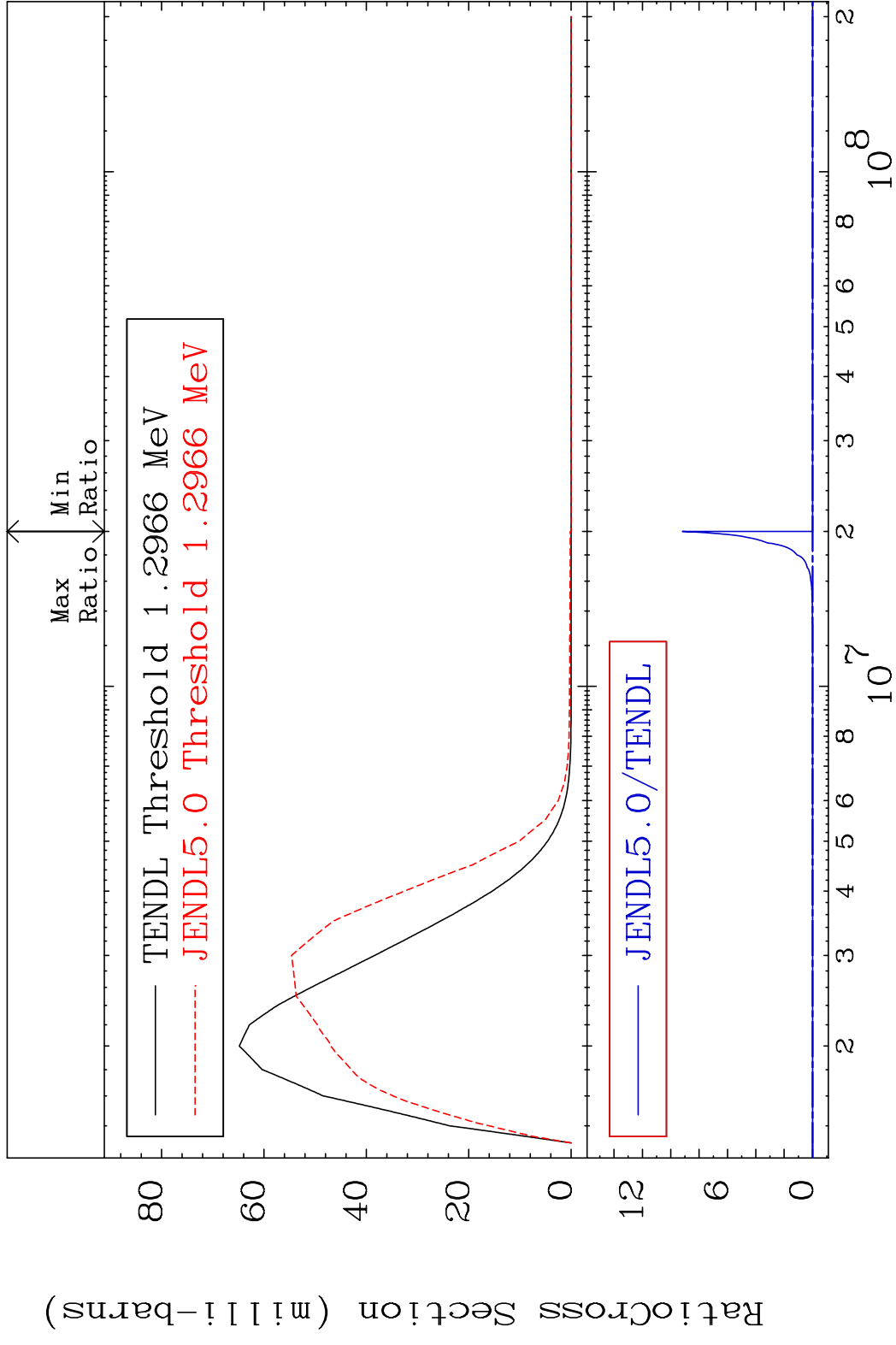
MAT 8119 MT= 58 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 2651. %



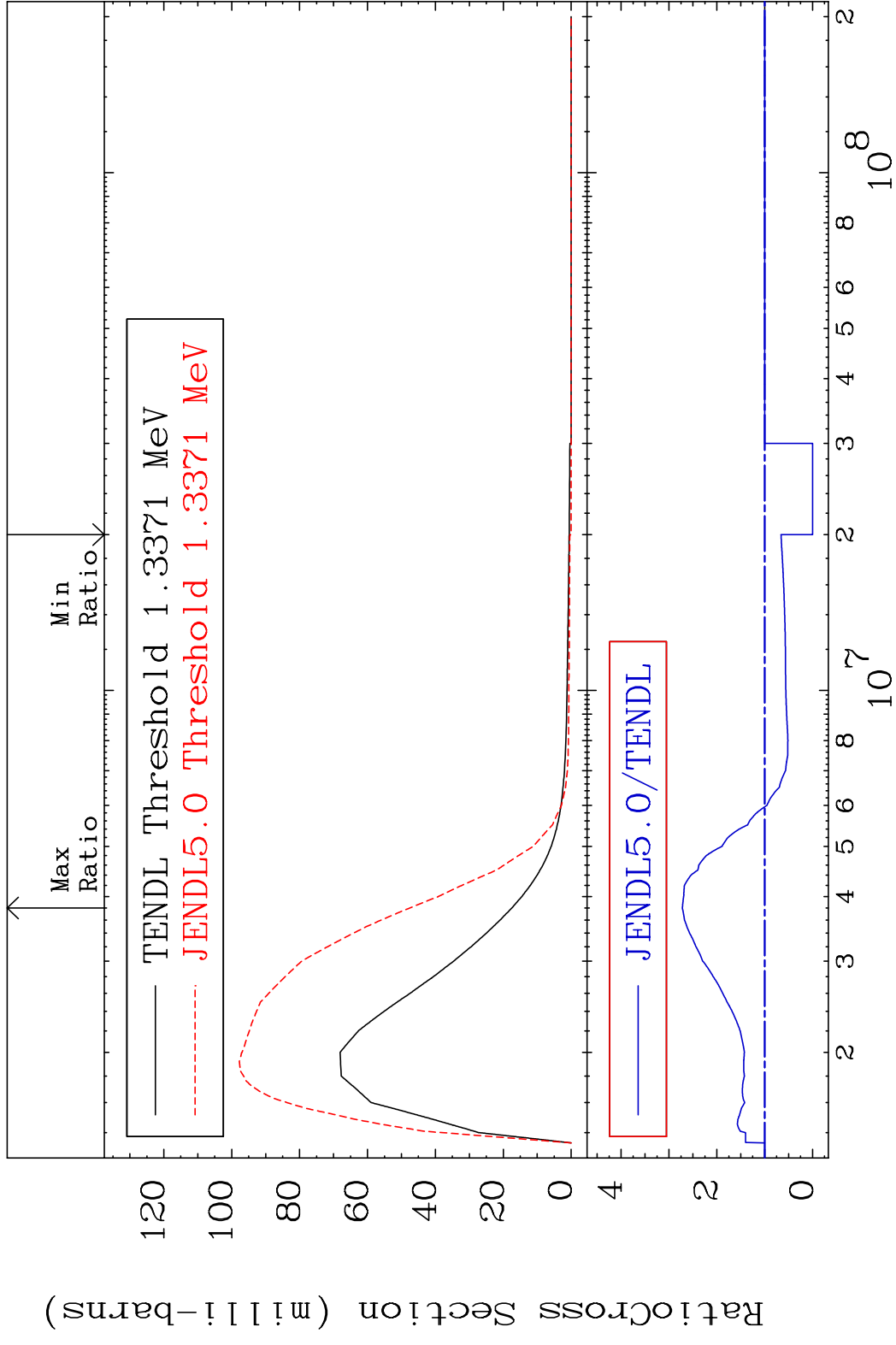
MAT 8119 MT= 59 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 330.2 %



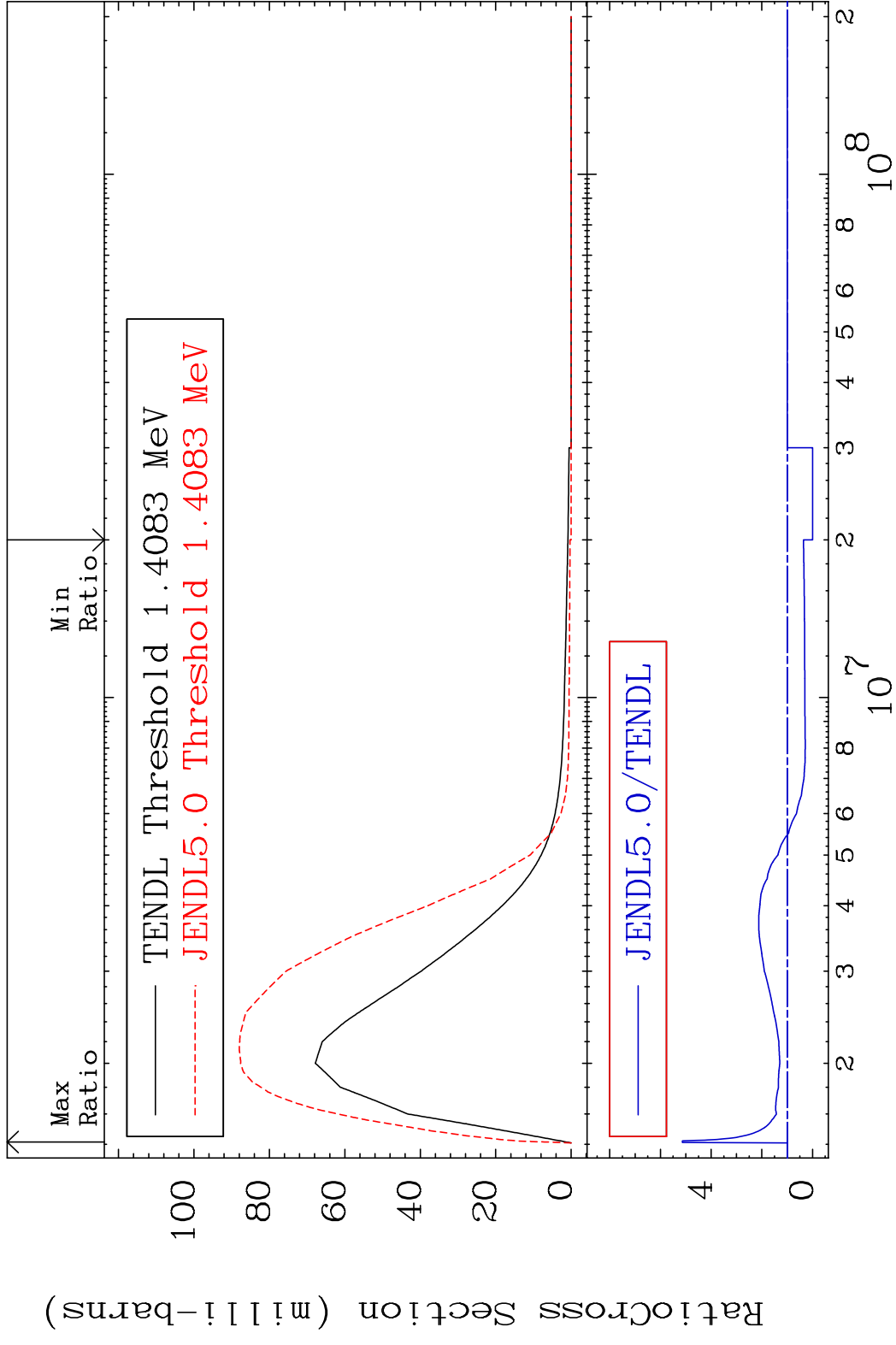
MAT 8119 MT= 60 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 9999. %



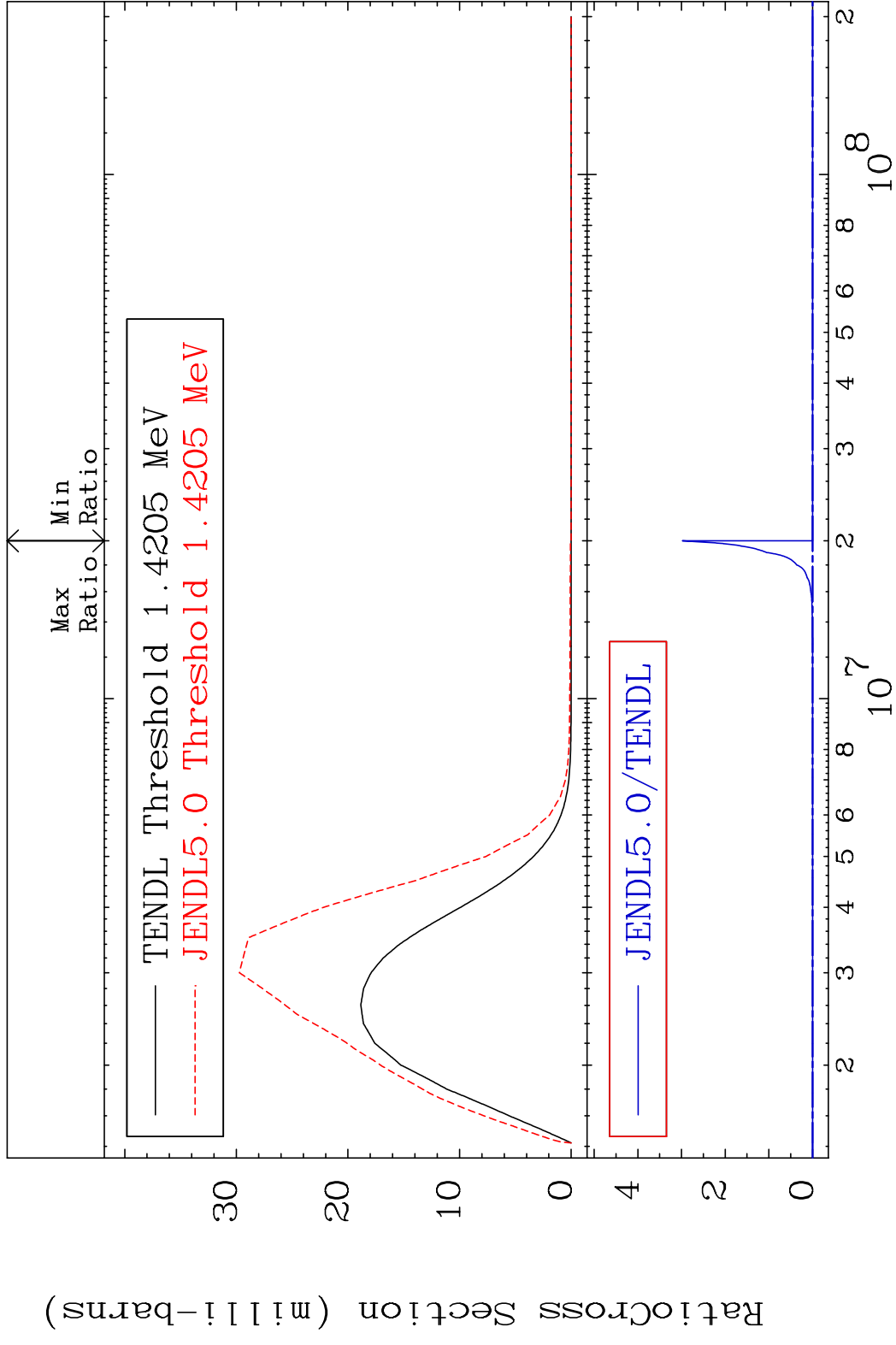
MAT 8119 MT= 61 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 172.1 %



MAT 8119 MT= 62 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 413.6 %

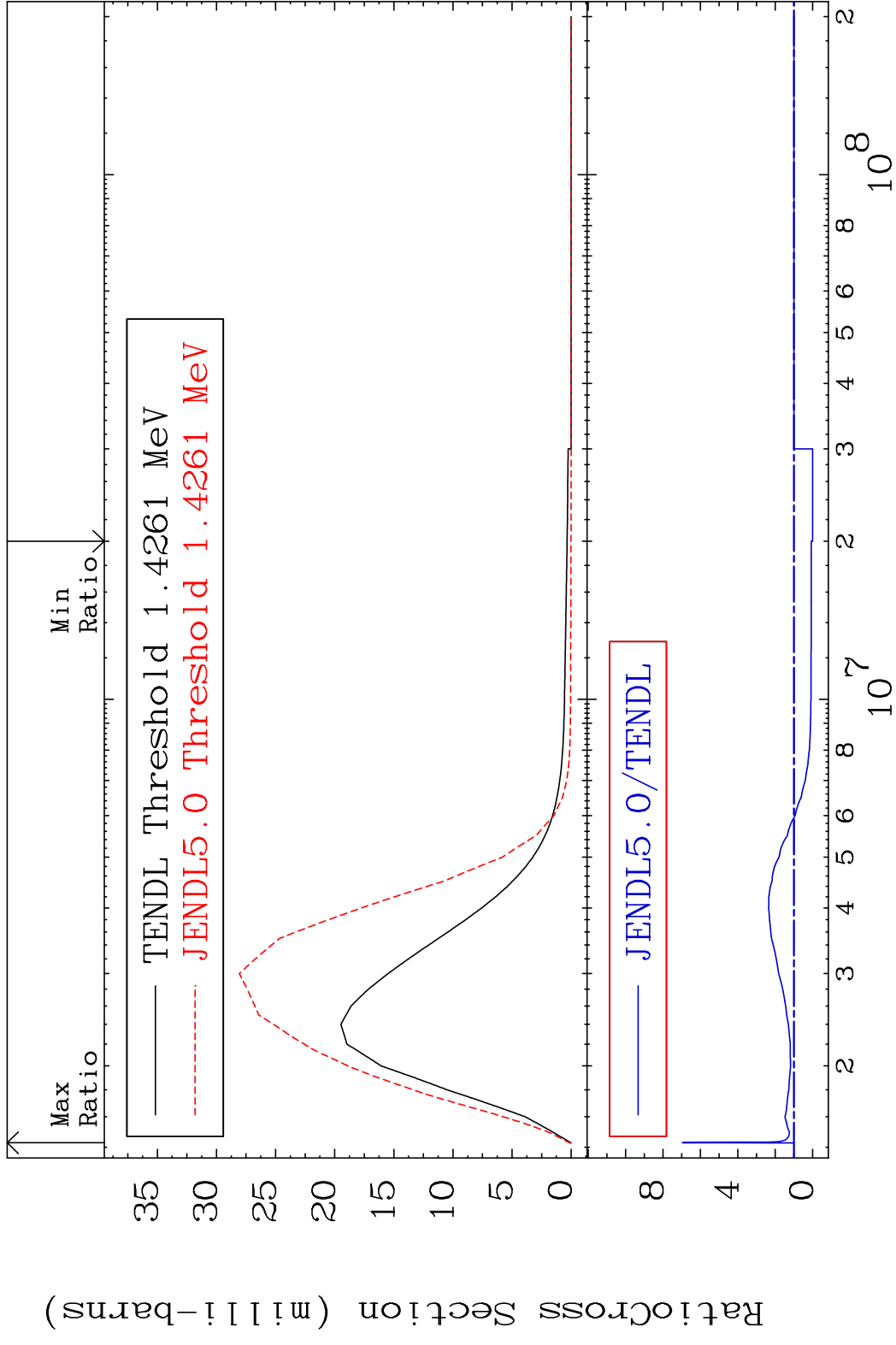


MAT 8119 MT= 63 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 9999. %

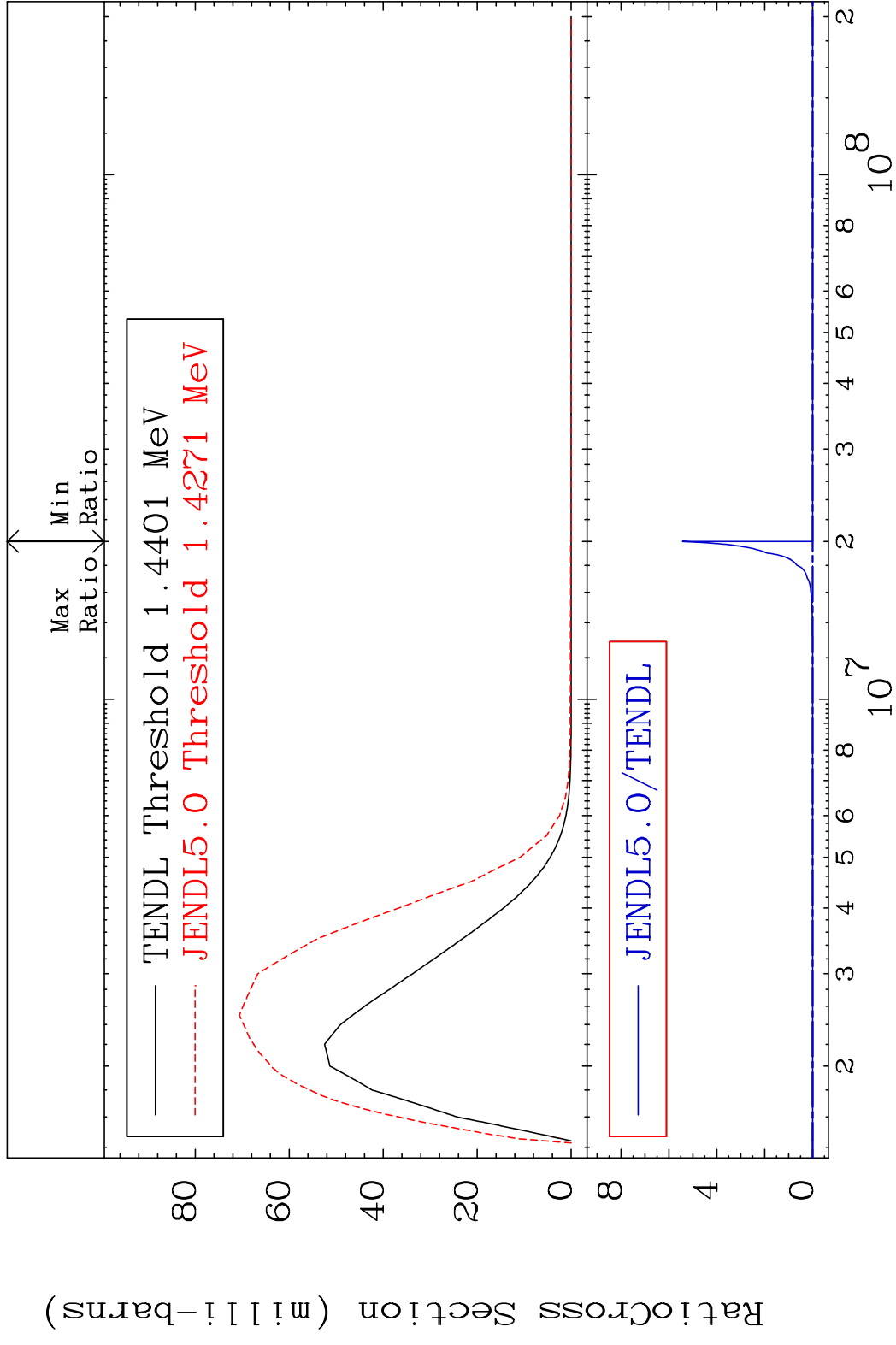


24 Incident Energy (eV) 81-Tl-201

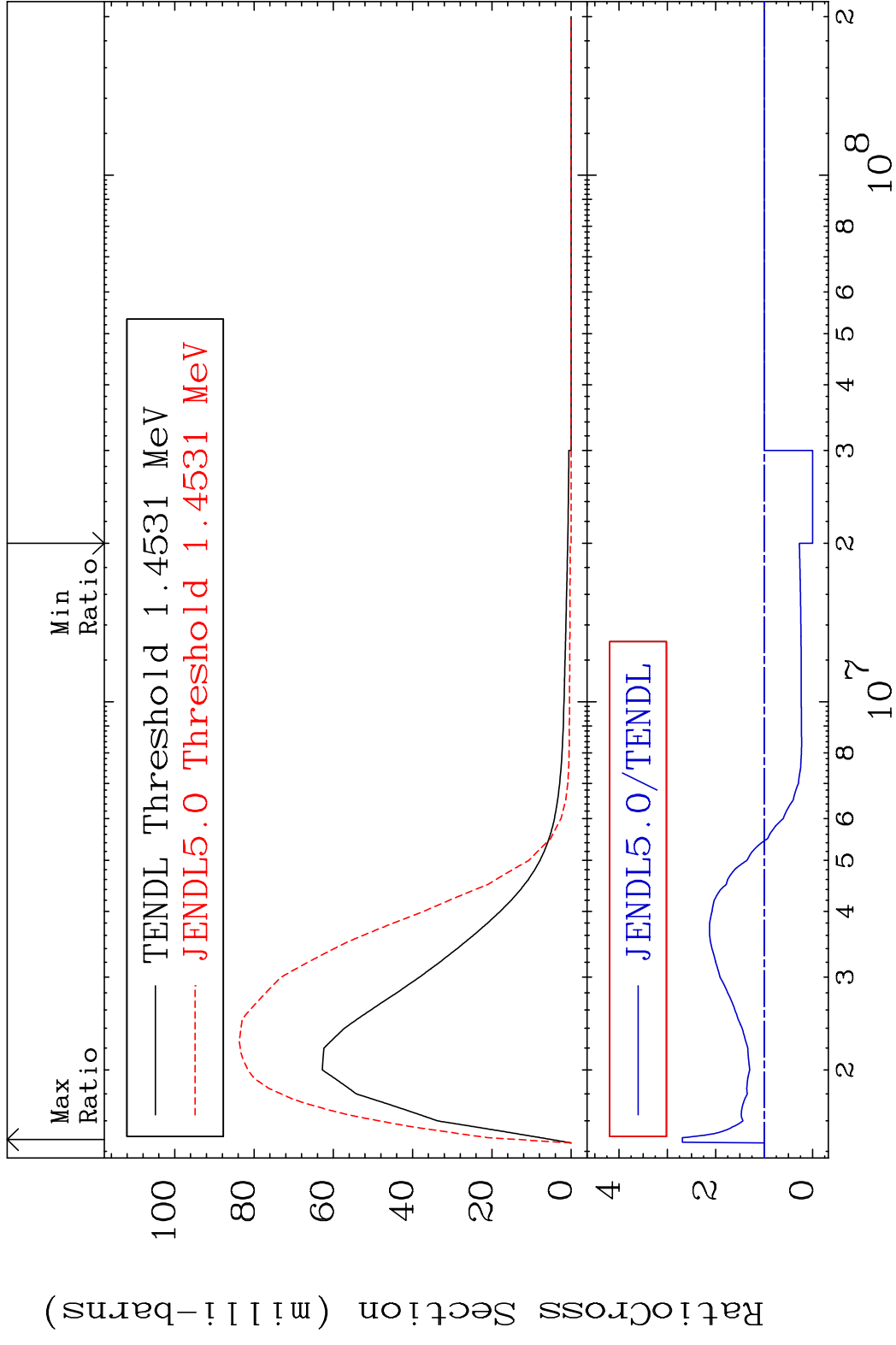
MAT 8119 MT= 64 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 596.4 %



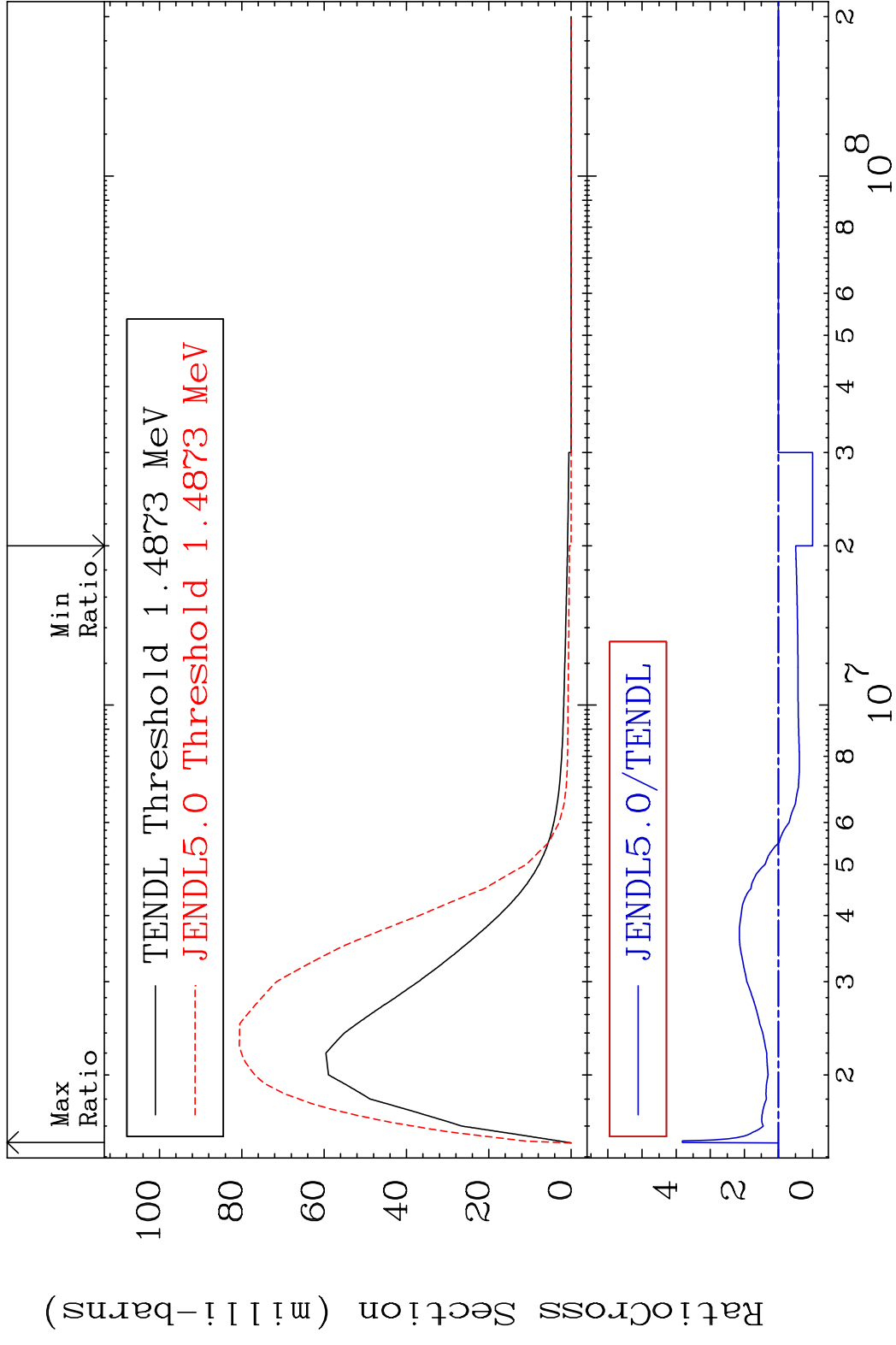
MAT 8119 MT= 65 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 9999. %



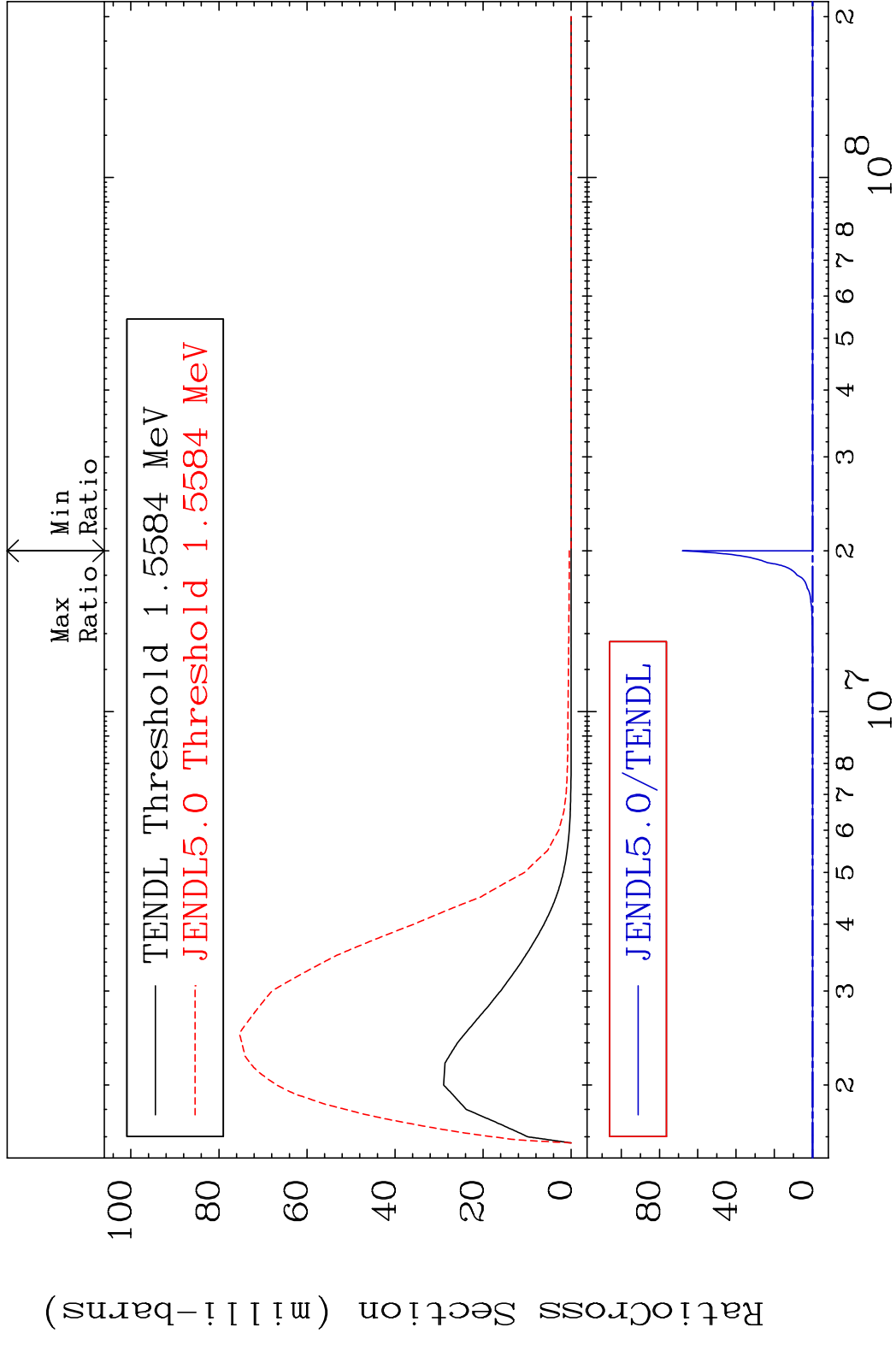
MAT 8119 MT= 66 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 169.0 %



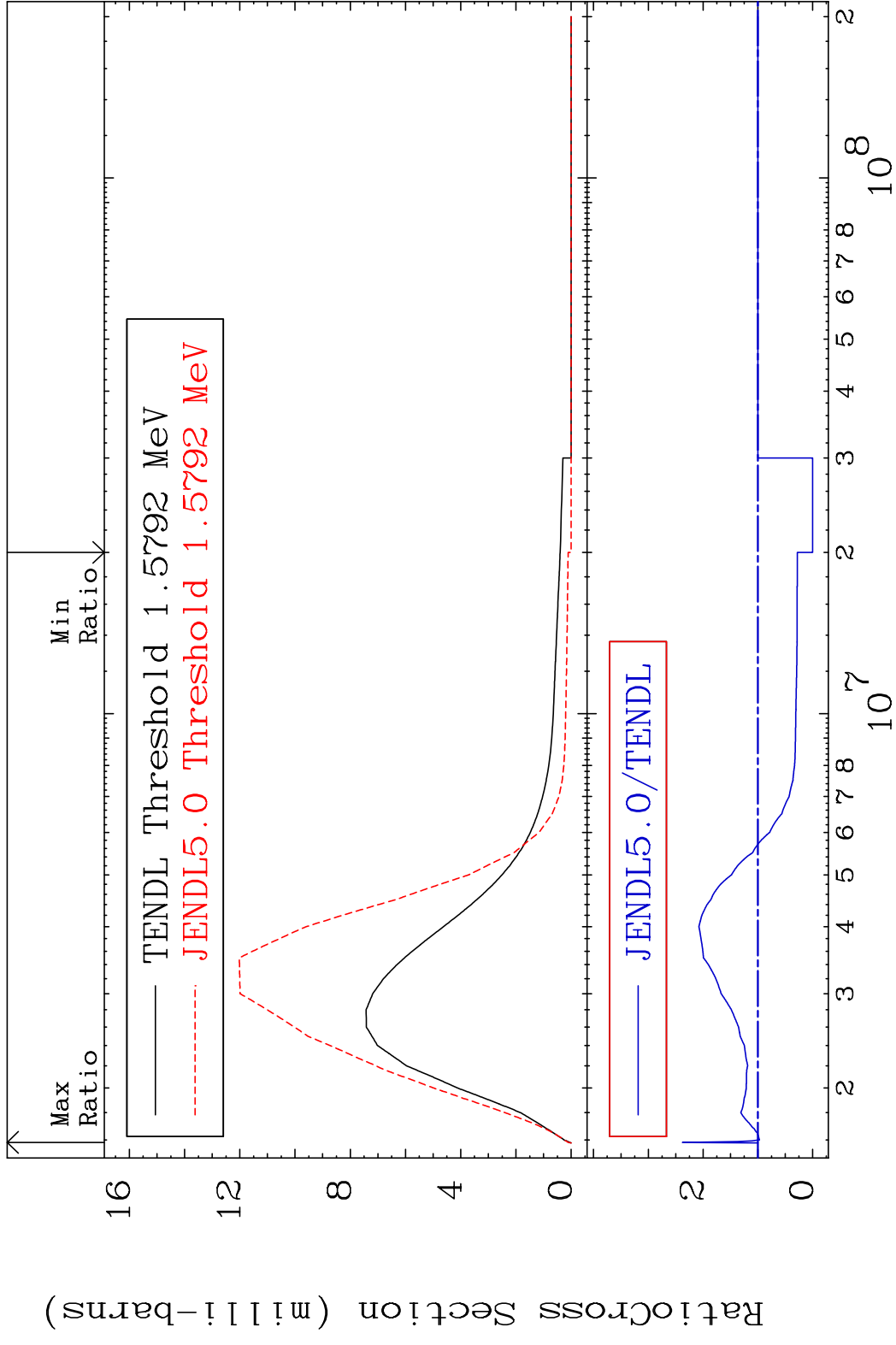
MAT 8119 MT= 67 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 281.7 %



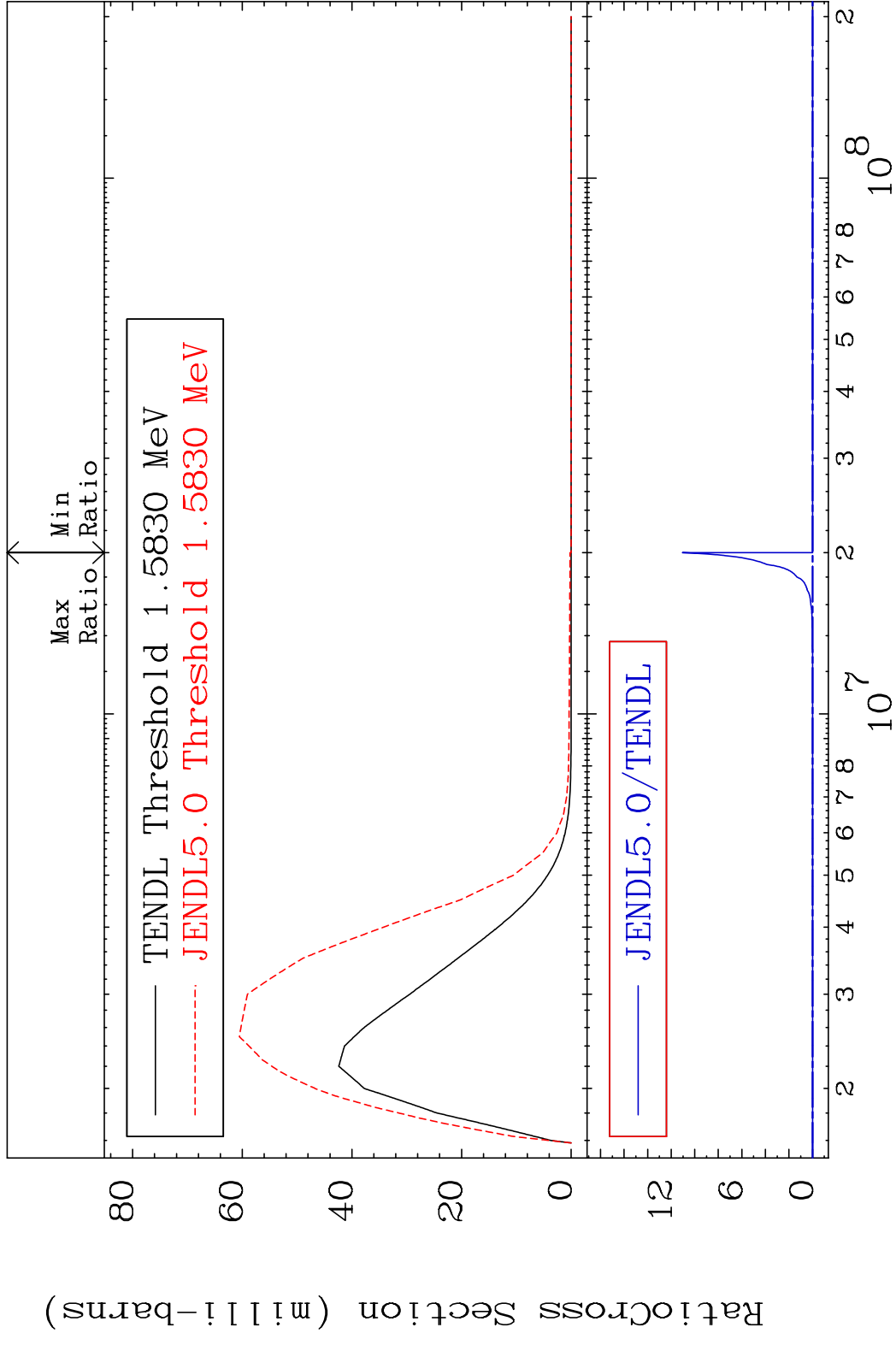
MAT 8119 MT= 68 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 9999. %



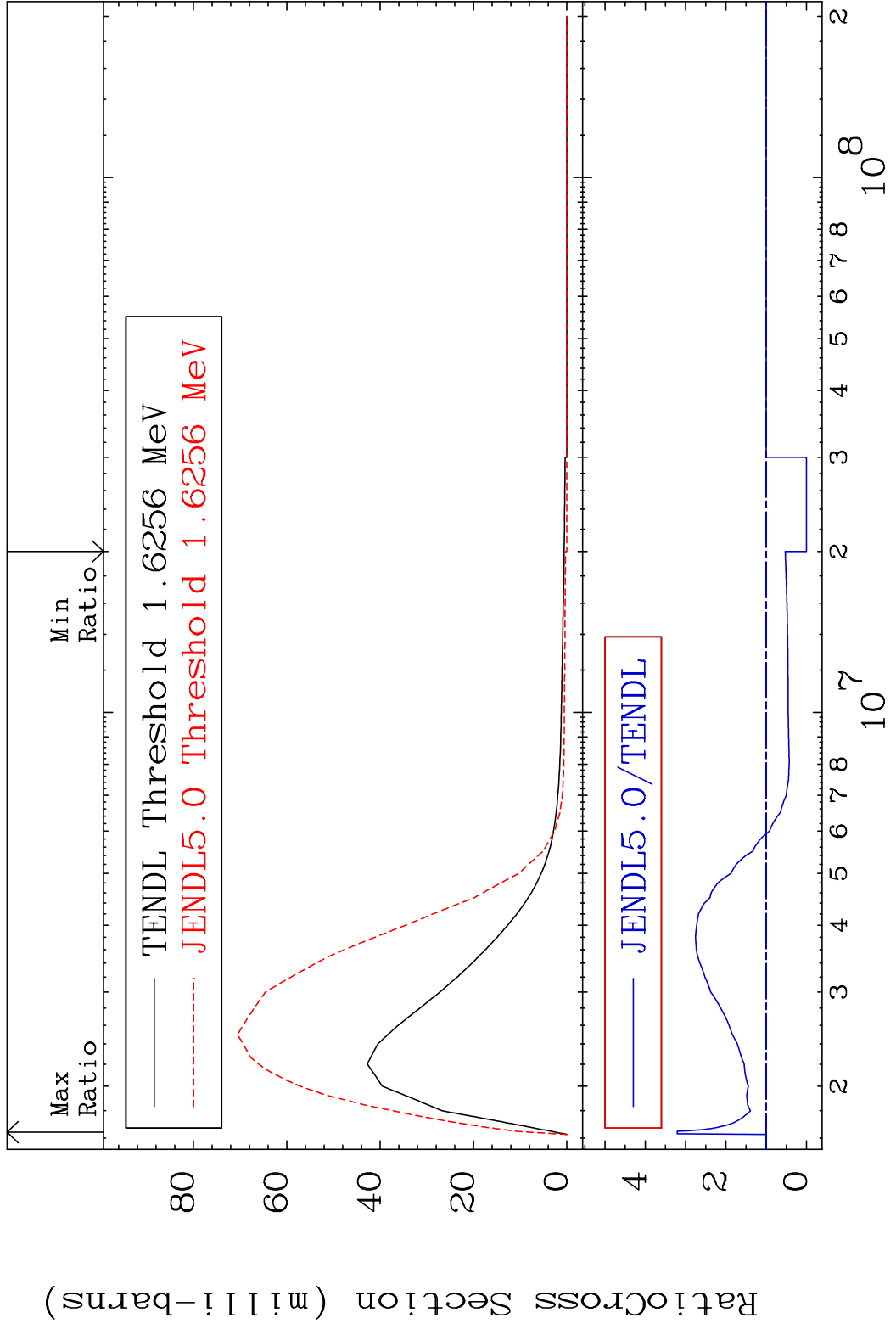
MAT 8119 MT= 69 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 137.8 %



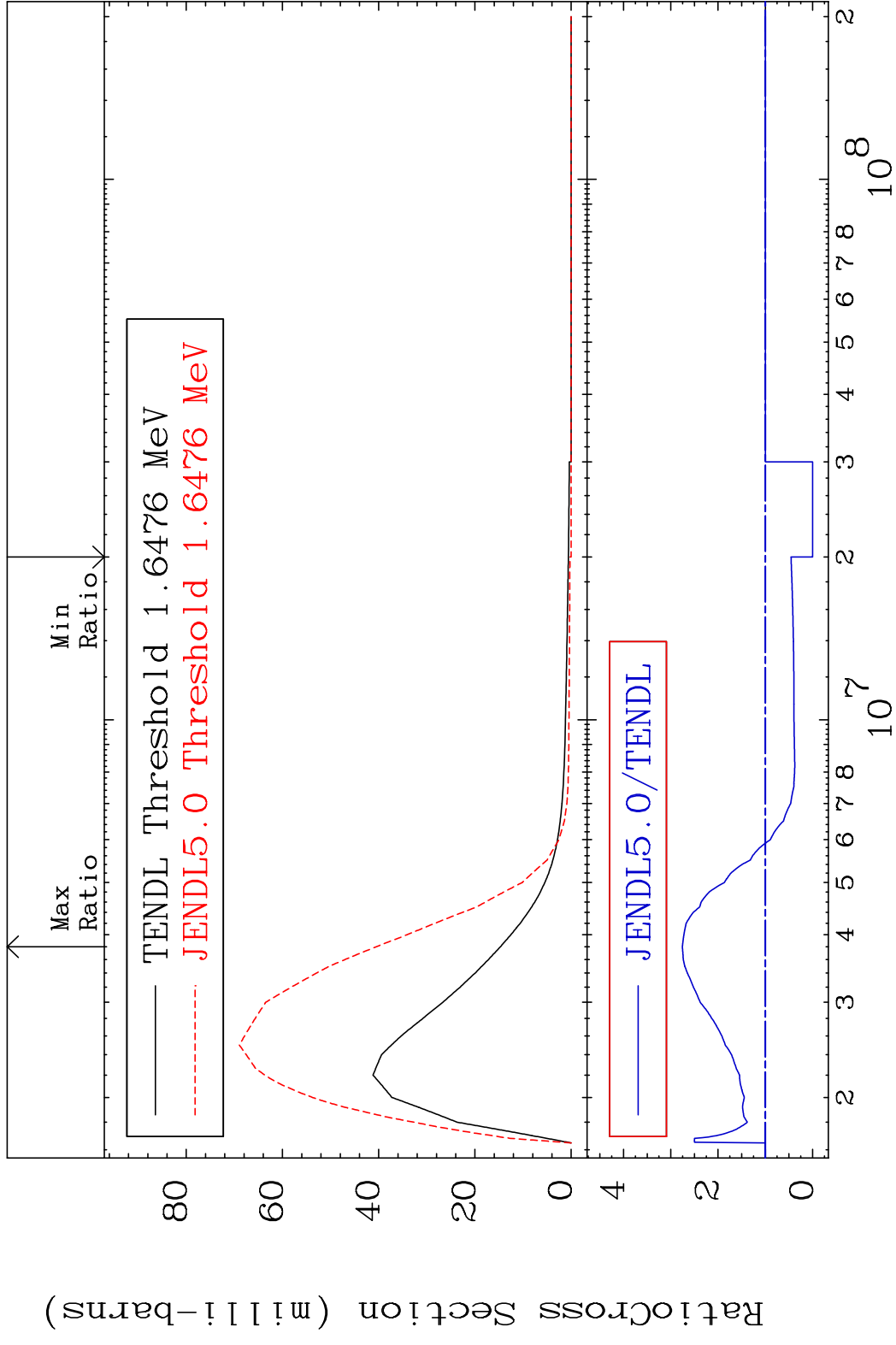
MAT 8119 MT= 70 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 9999. %



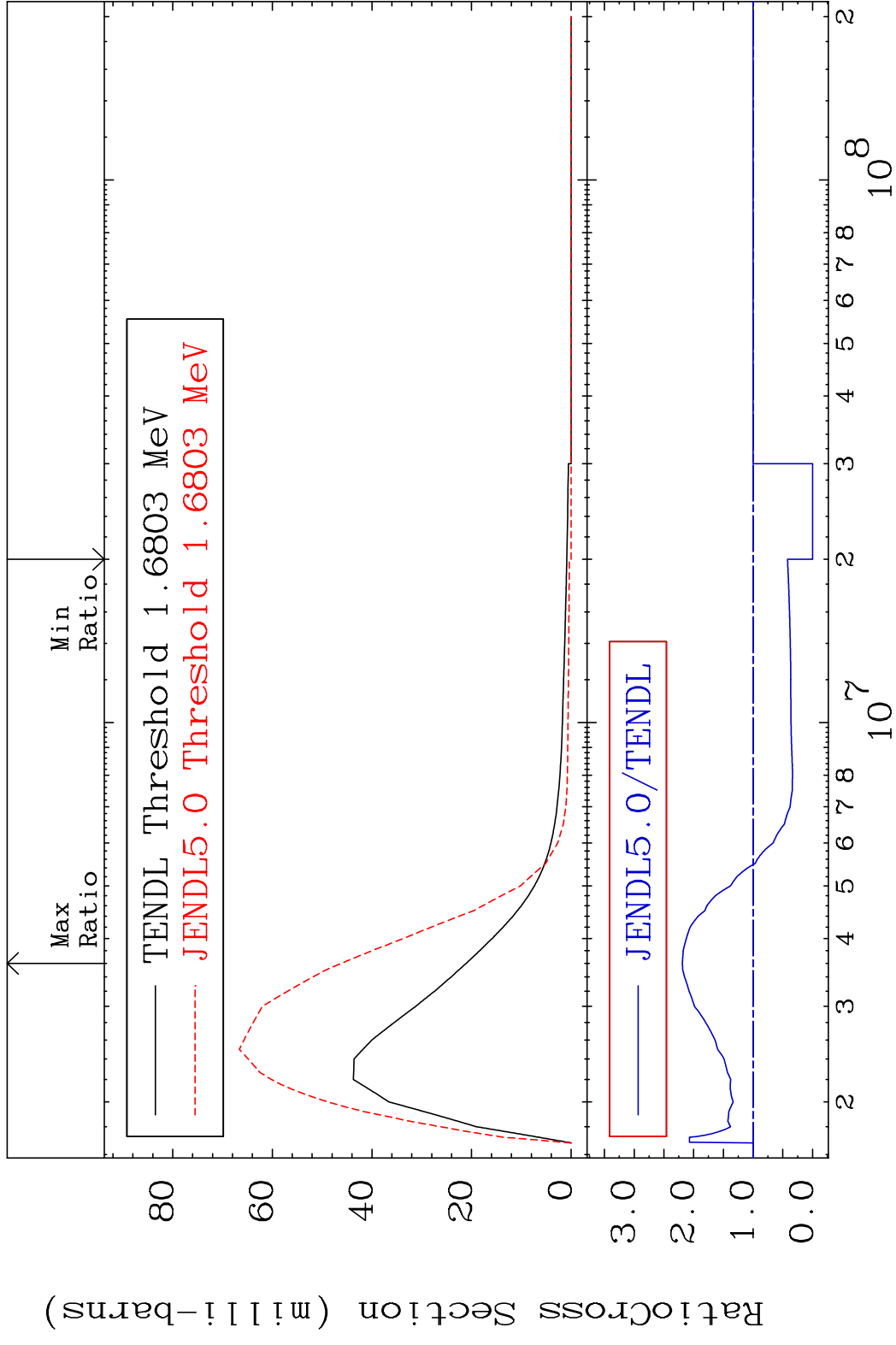
MAT 8119 MT= 71 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 220.7 %



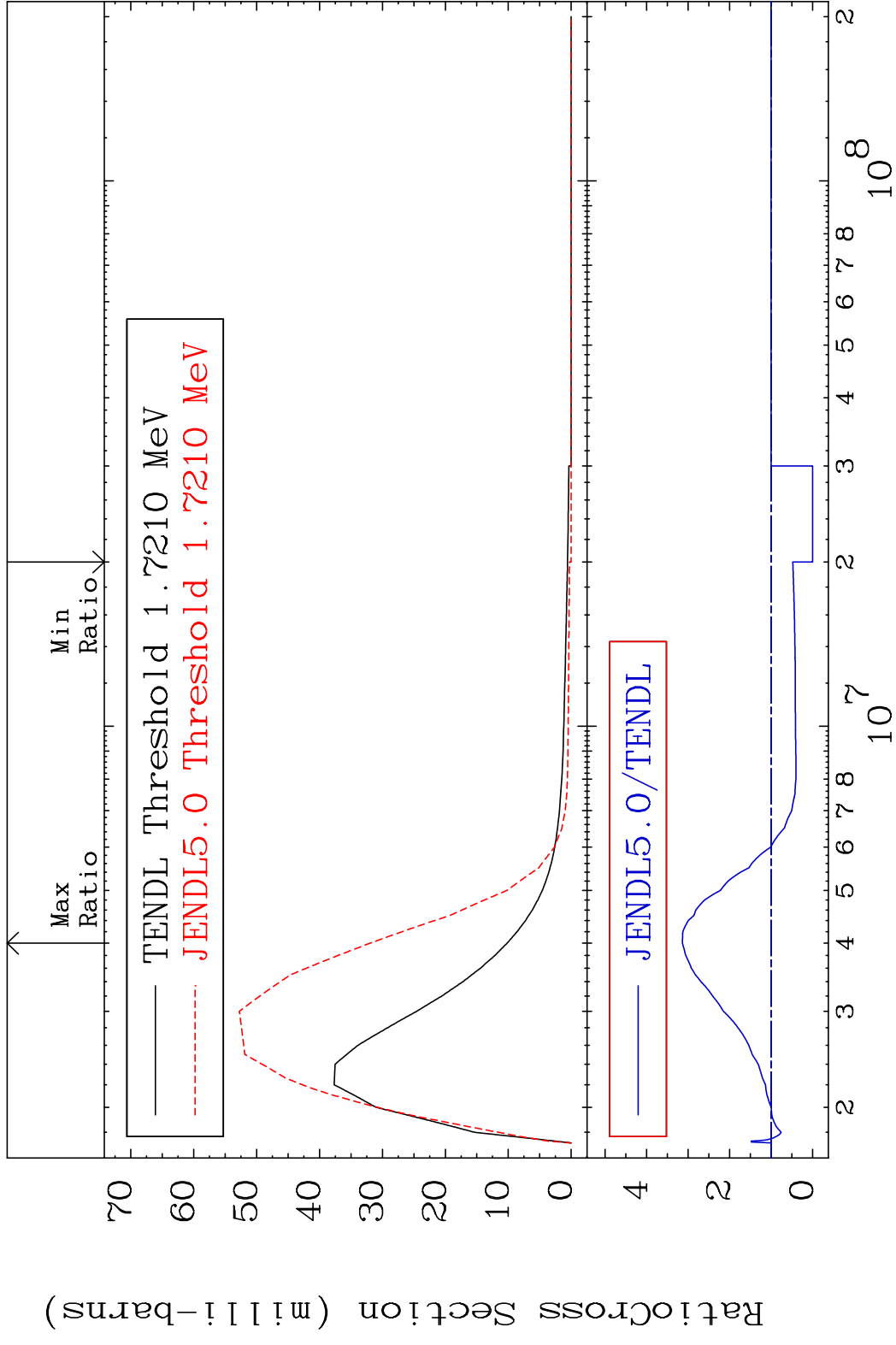
MAT 8119 MT= 72 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 175.6 %



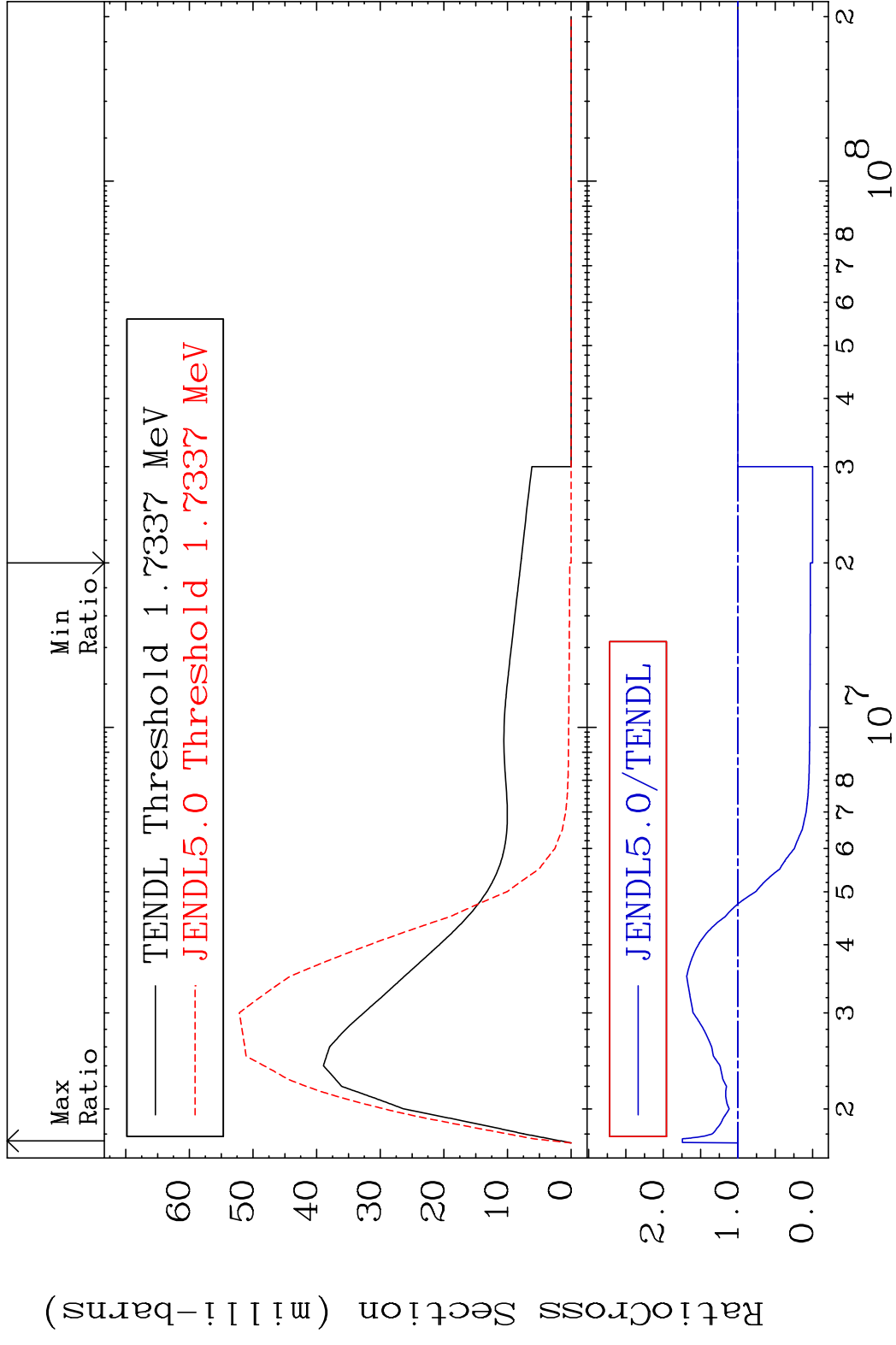
MAT 8119 MT= 73 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 119.0 %



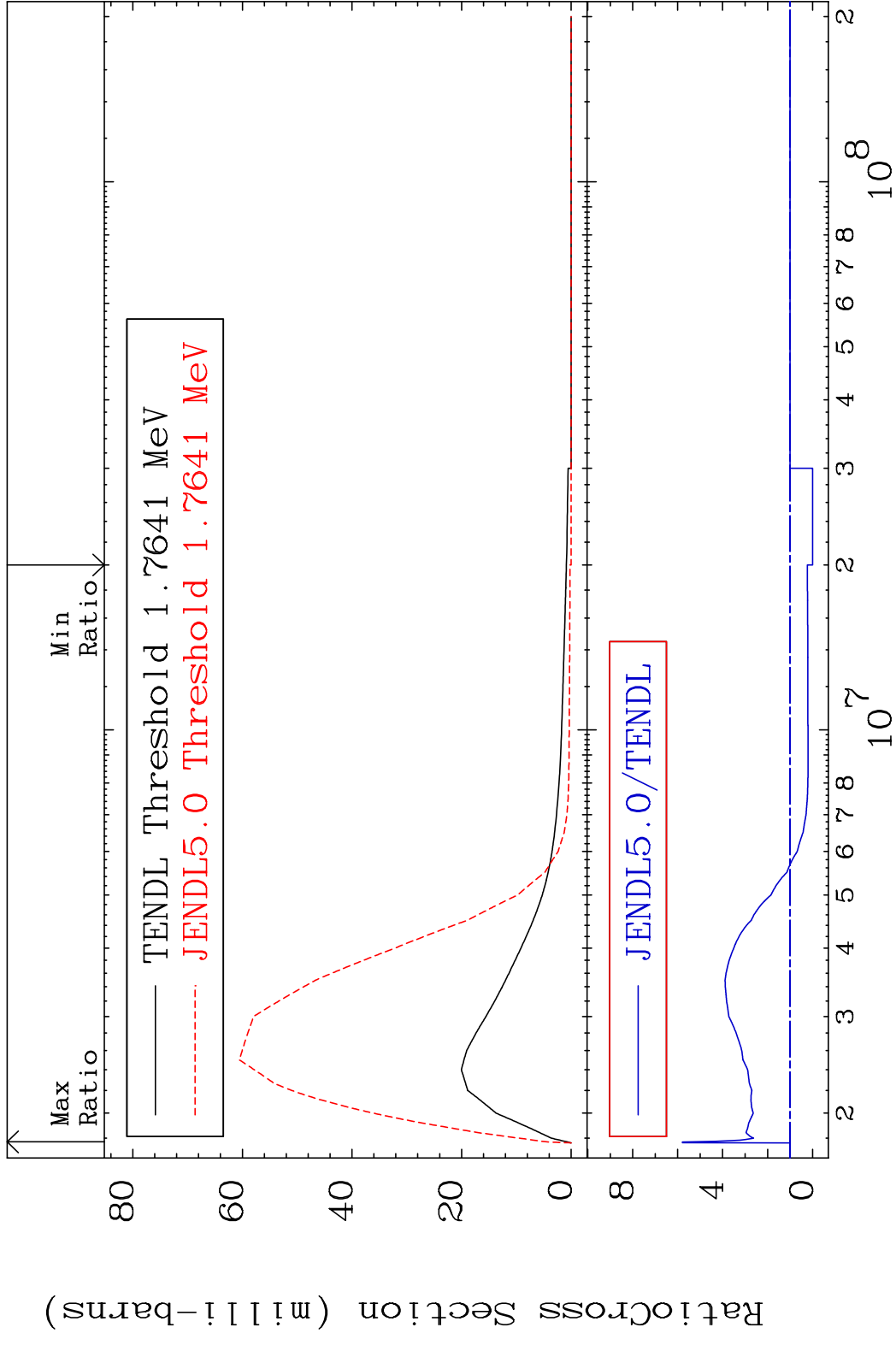
MAT 8119 MT= 74 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 213.6 %



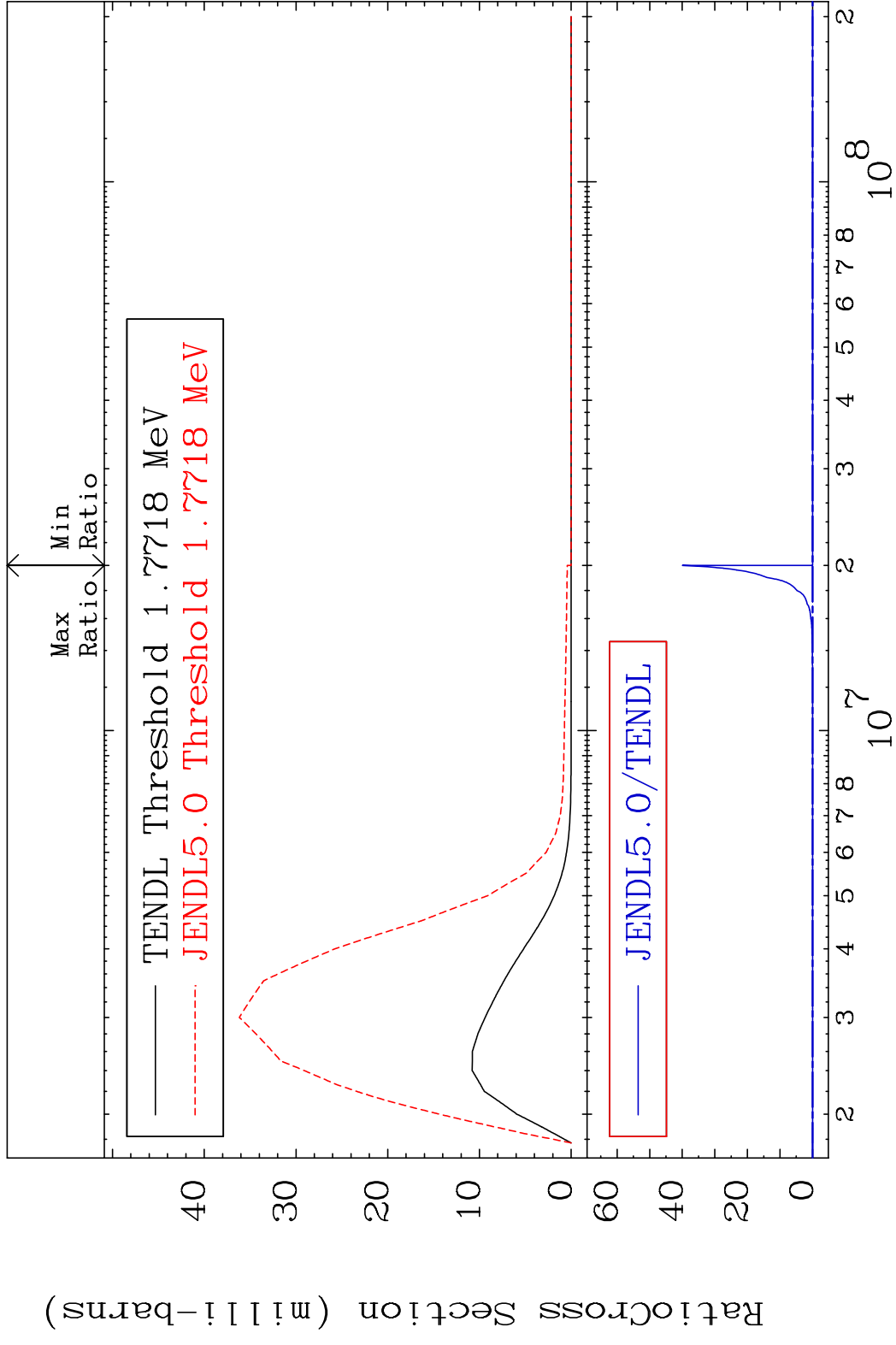
MAT 8119 MT= 75 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 74.42 %



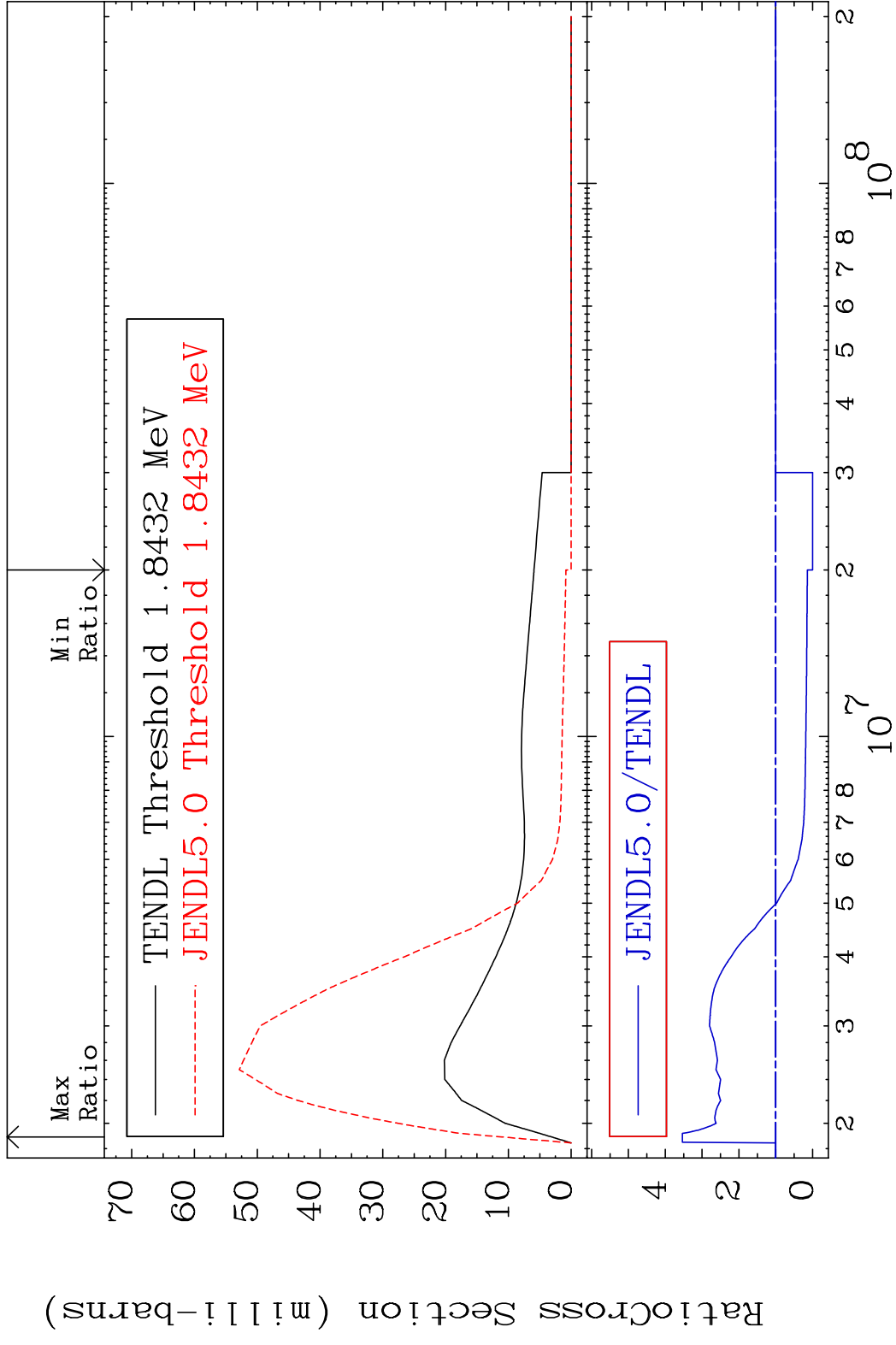
MAT 8119 MT= 76 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 479.2 %



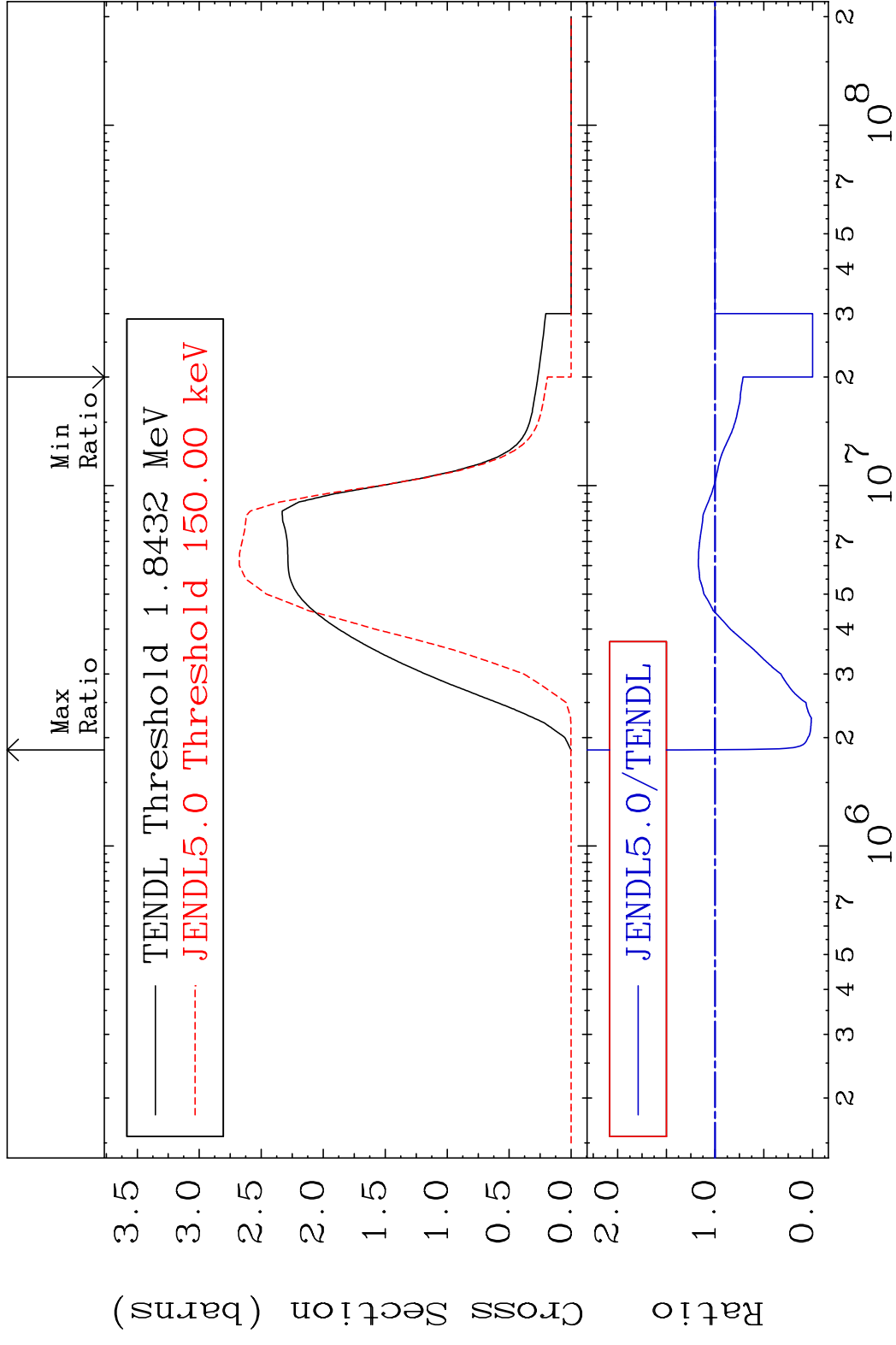
MAT 8119 MT= 77 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 9999. %



MAT 8119 MT= 78 (n, n') Level 81-Tl-201
 Cross Section -100.0 To 253.6 %



MAT 8119 (n, n') Continuum 81-Tl-201
 Cross Section -100.0 To 33.62 %

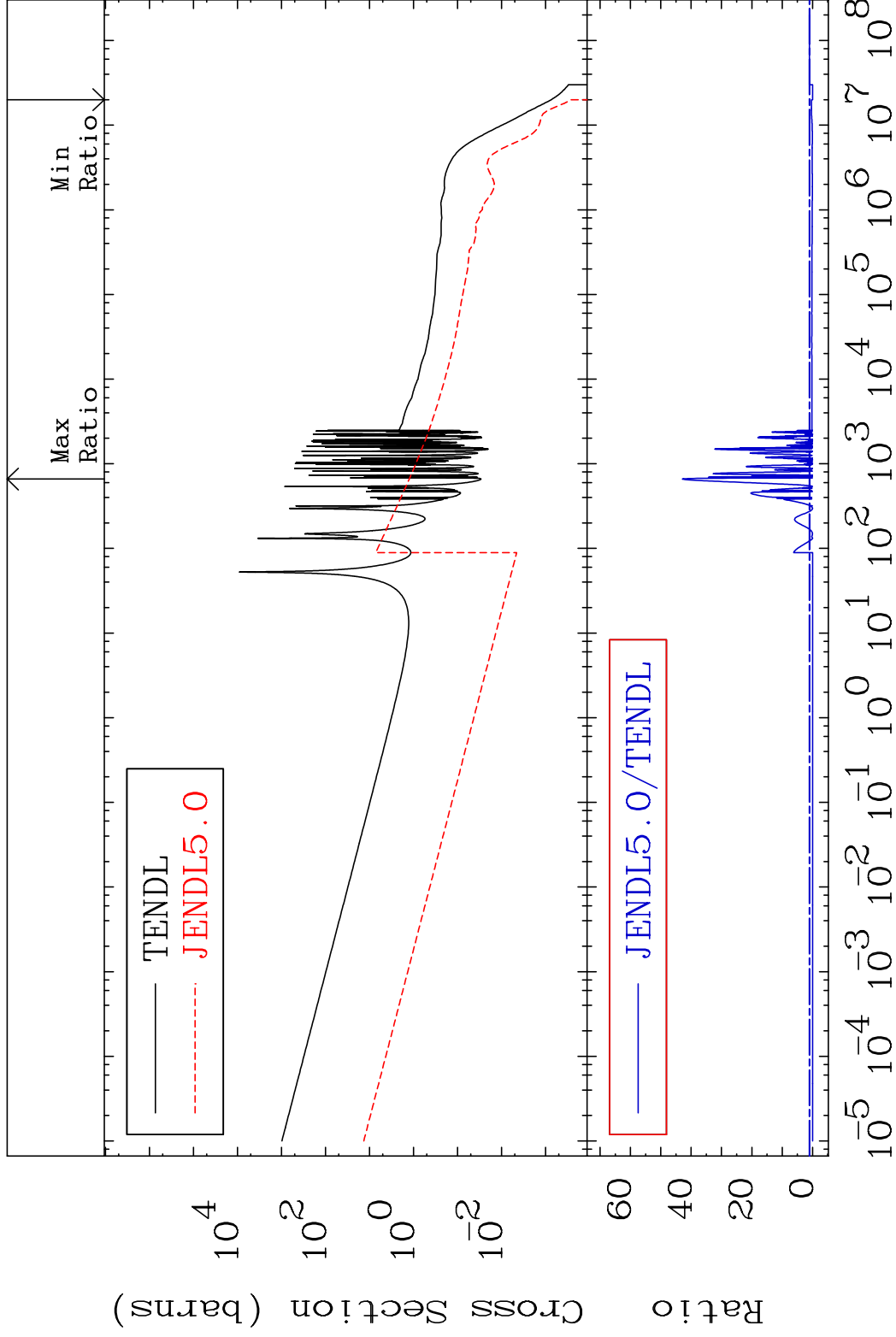


MAT 8119

(n, γ)

81-Tl-201

Cross Section -100.0 To 4189. %



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Incident Energy (eV)

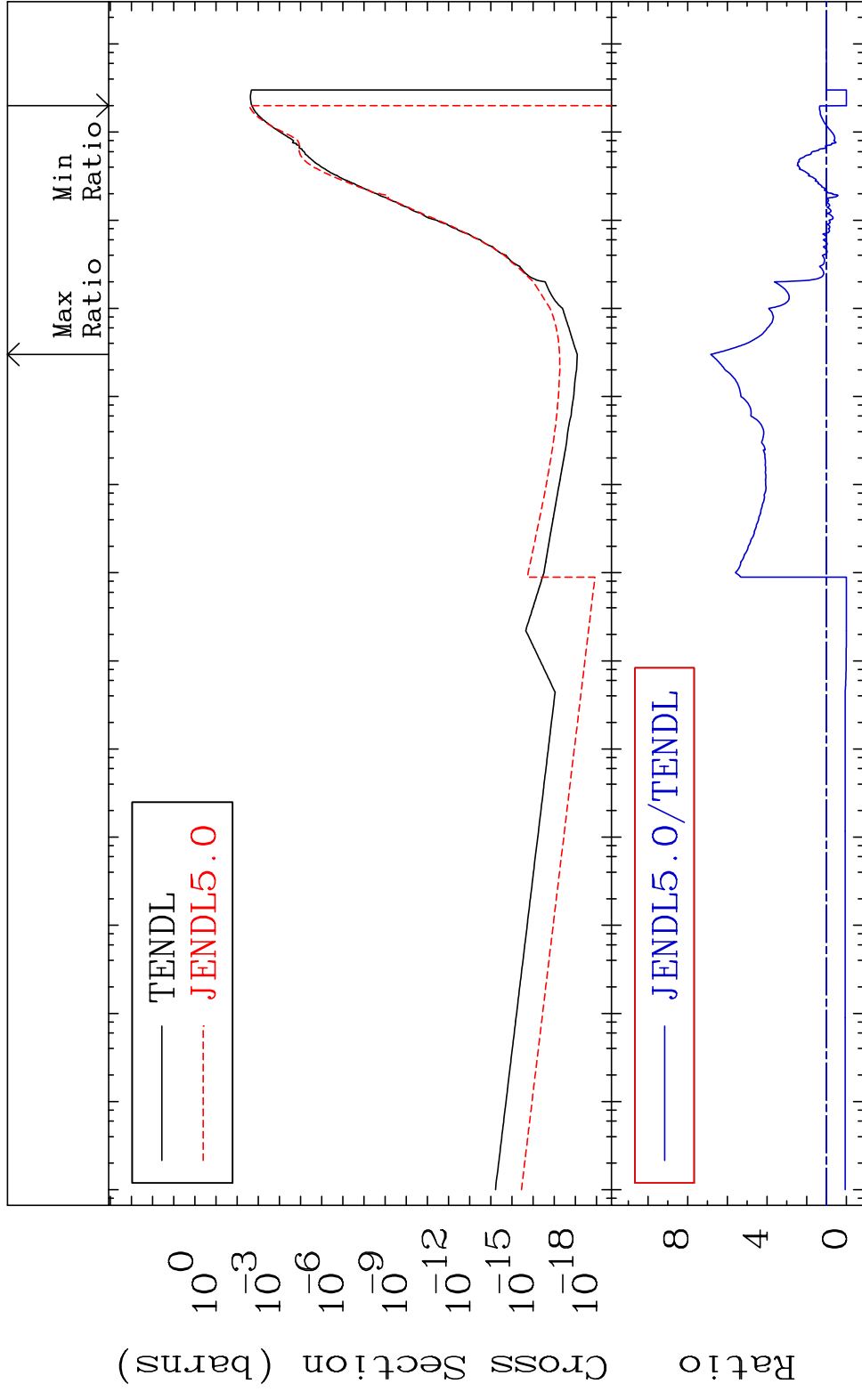
81-Tl-201

MAT 8119

(n, p)

81-Tl-201

Cross Section -100.0 To 583.9 %

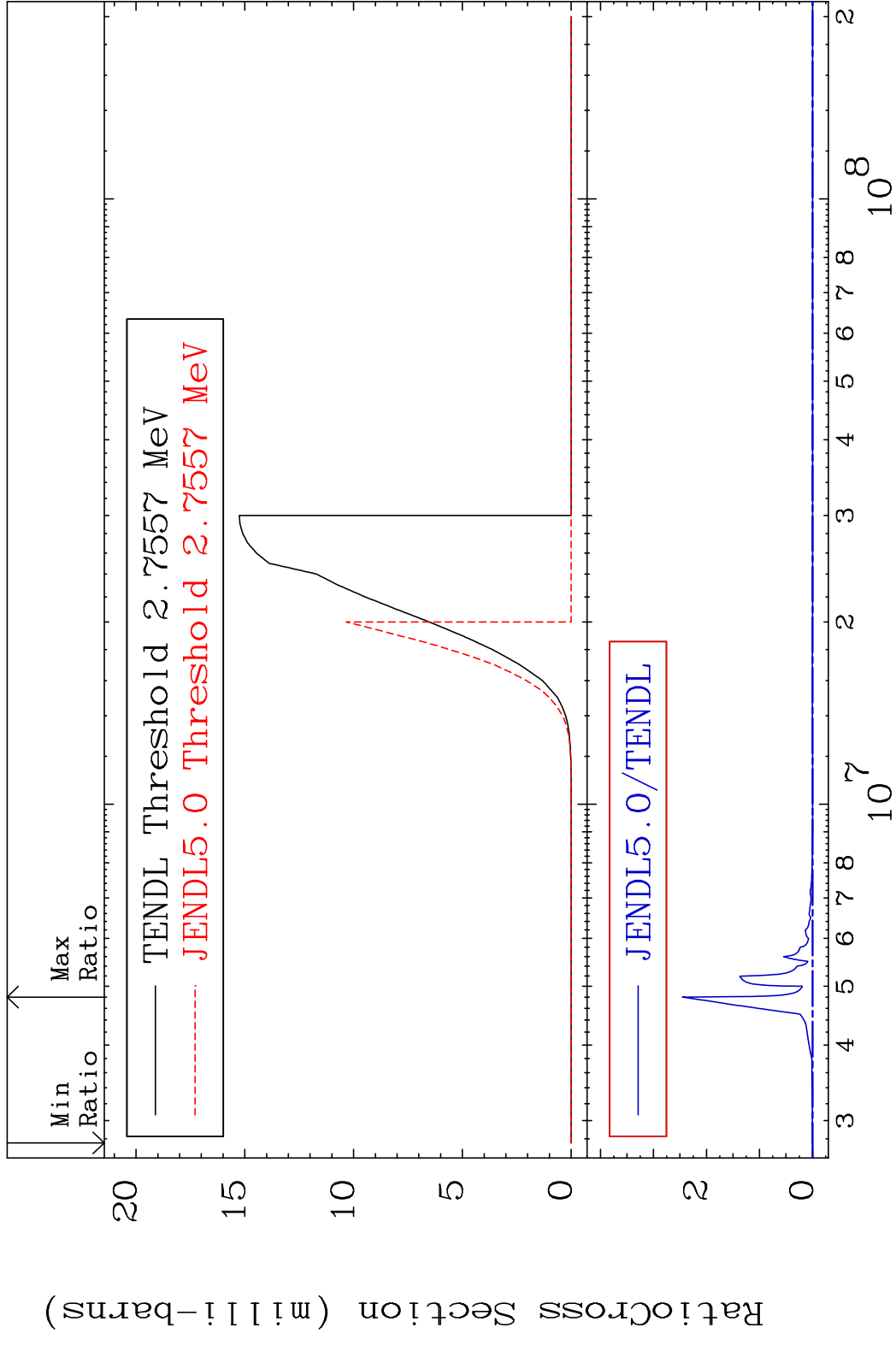


MAT 8119

(n,d)

81-Tl-201

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

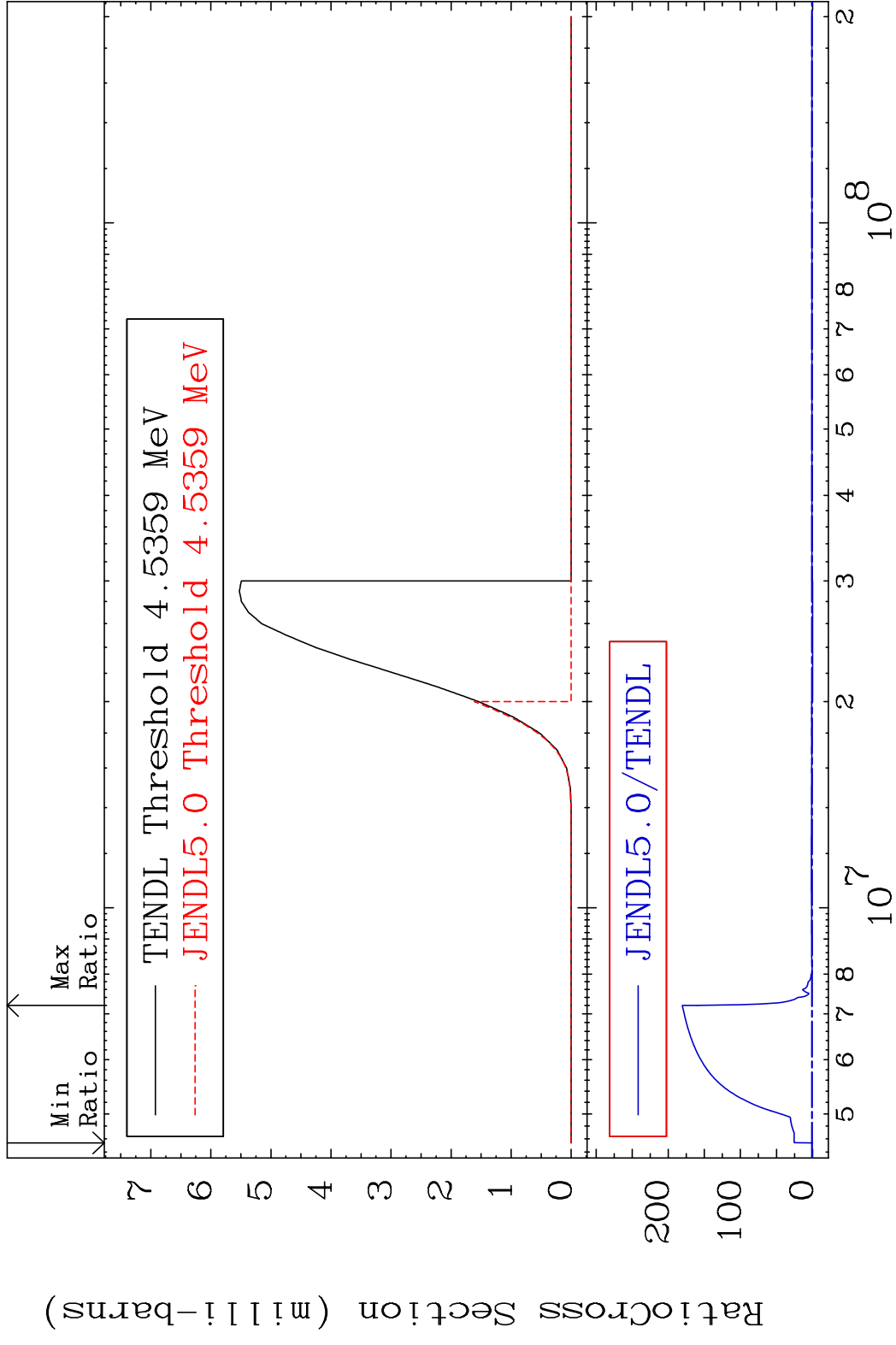
81-Tl-201

MAT 8119

(n, t)

81-Tl-201

Cross Section -100.0 To 9999. %

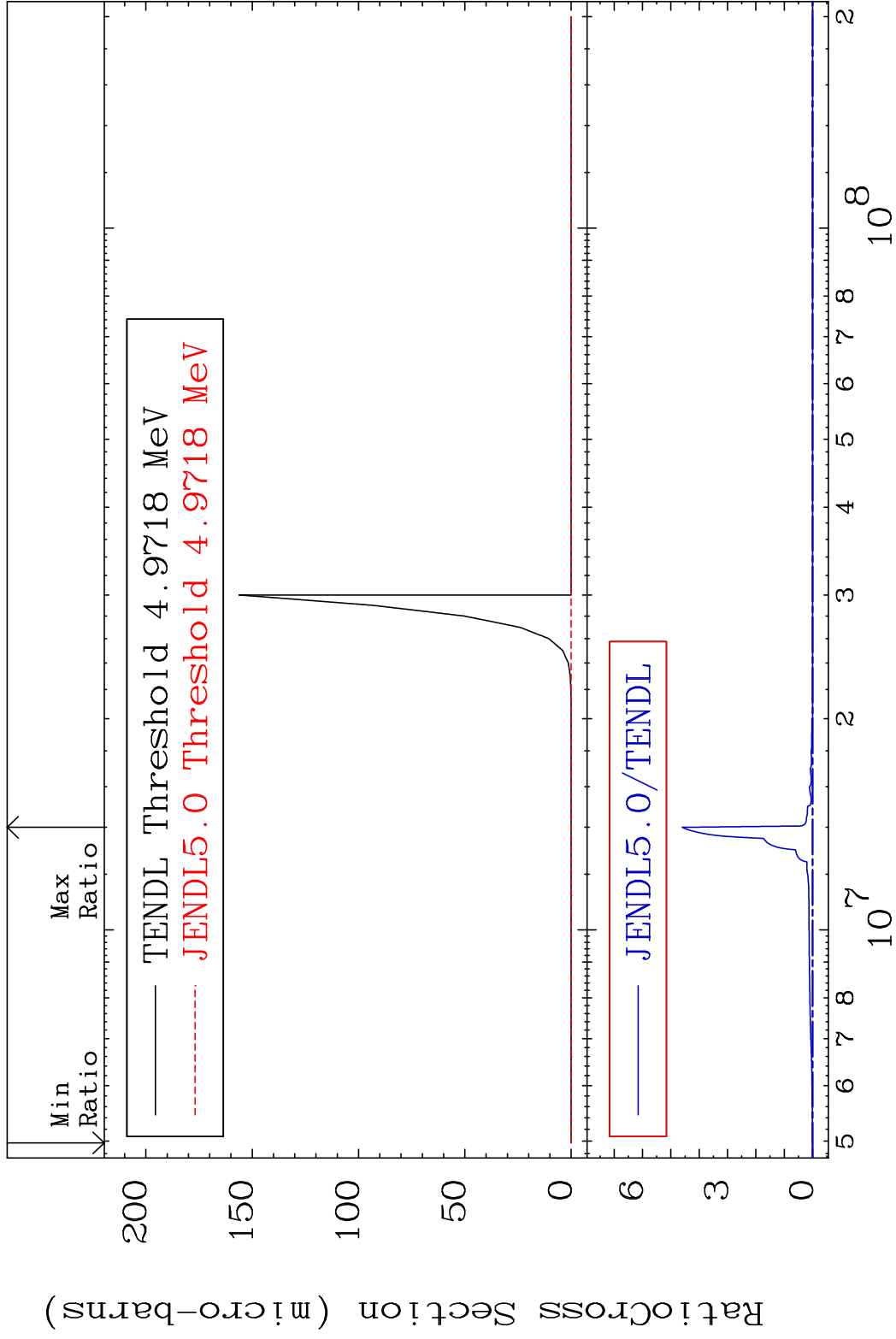


MAT 8119

(n, He-3)

81-Tl-201

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

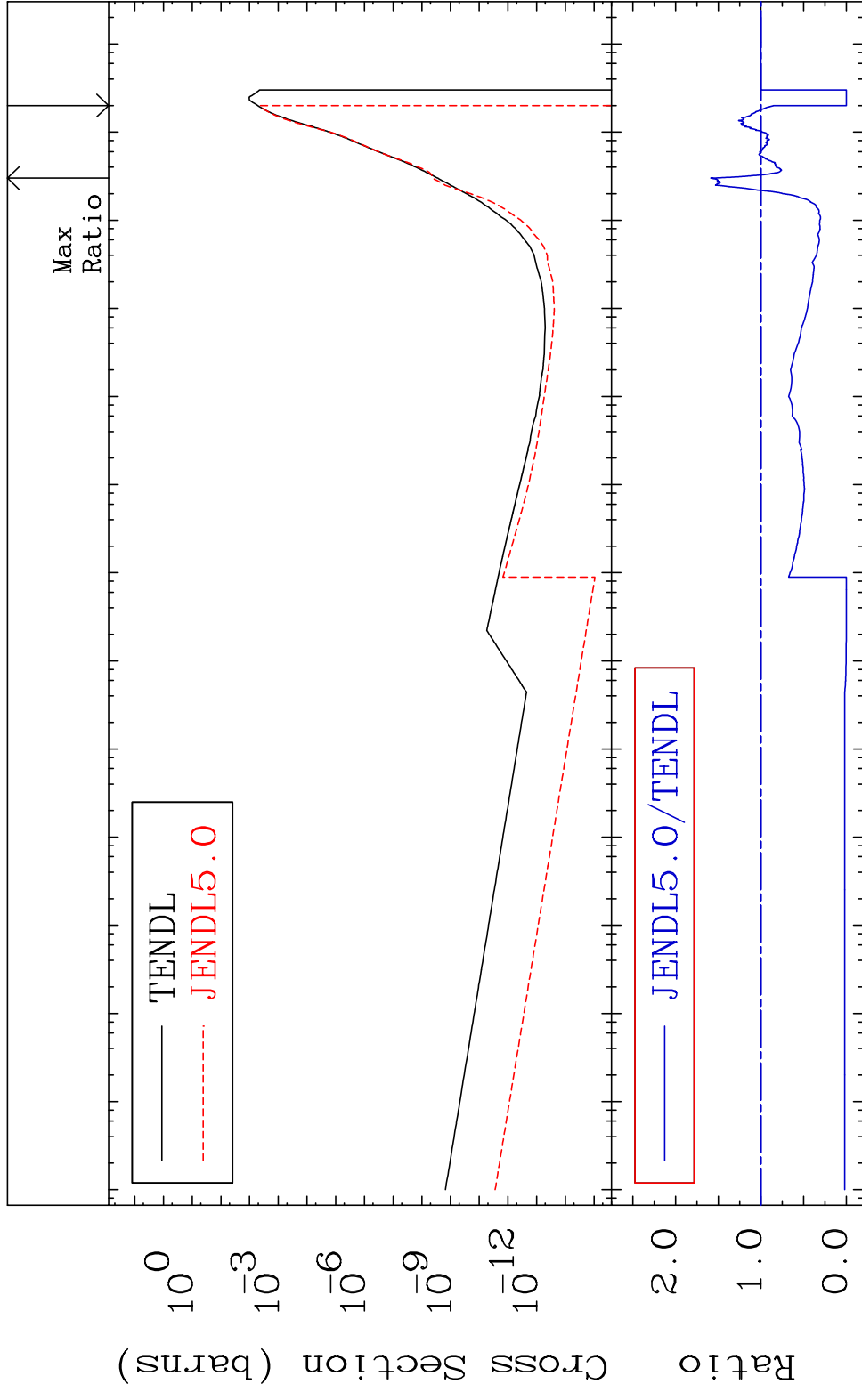
81-Tl-201

MAT 8119

81-Tl-201

(n, α)

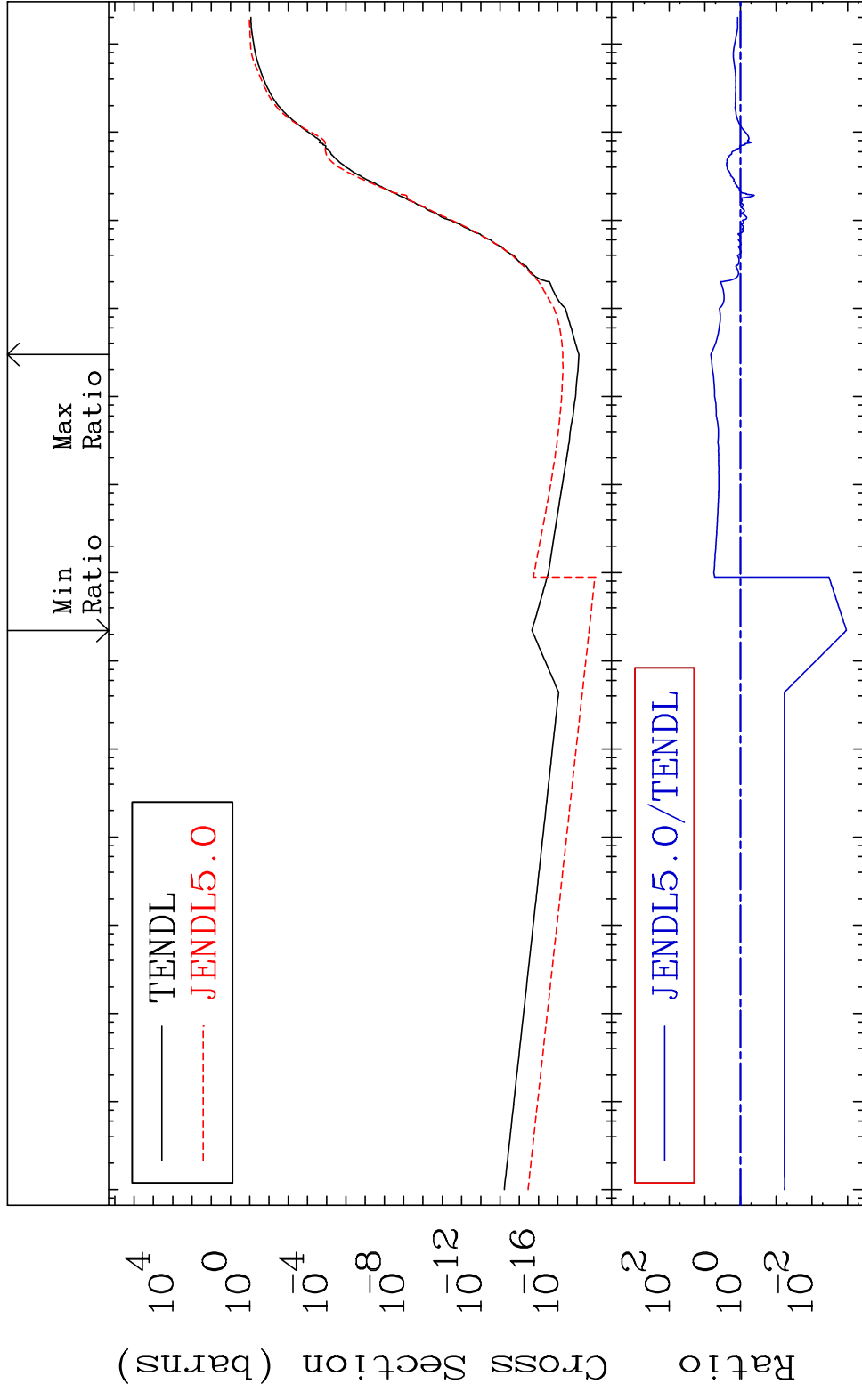
Cross Section -100.0 To 58.86 %

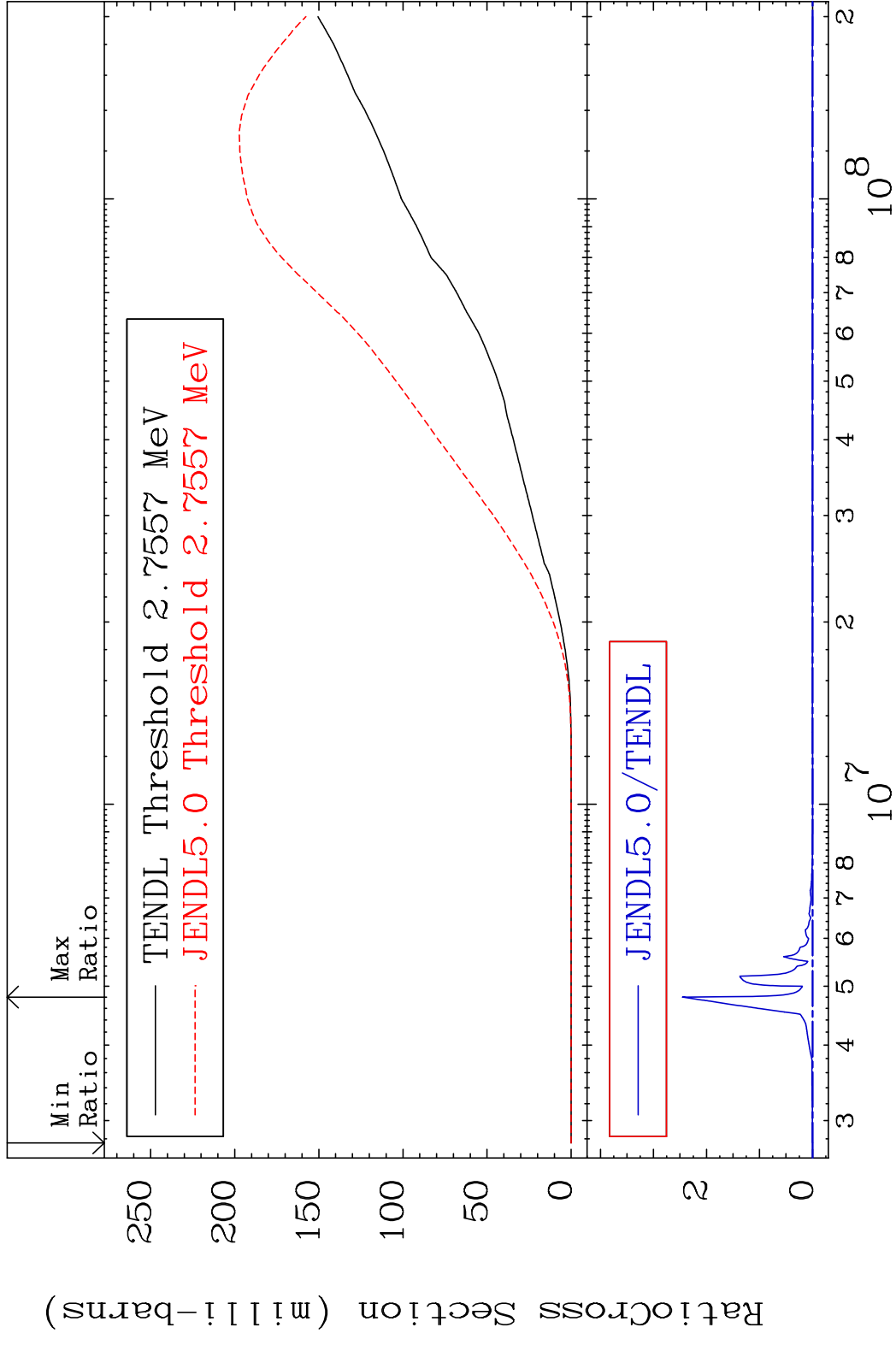


MAT 81119

Hydrogen Production
Cross Section -99.89 To 583.1 %

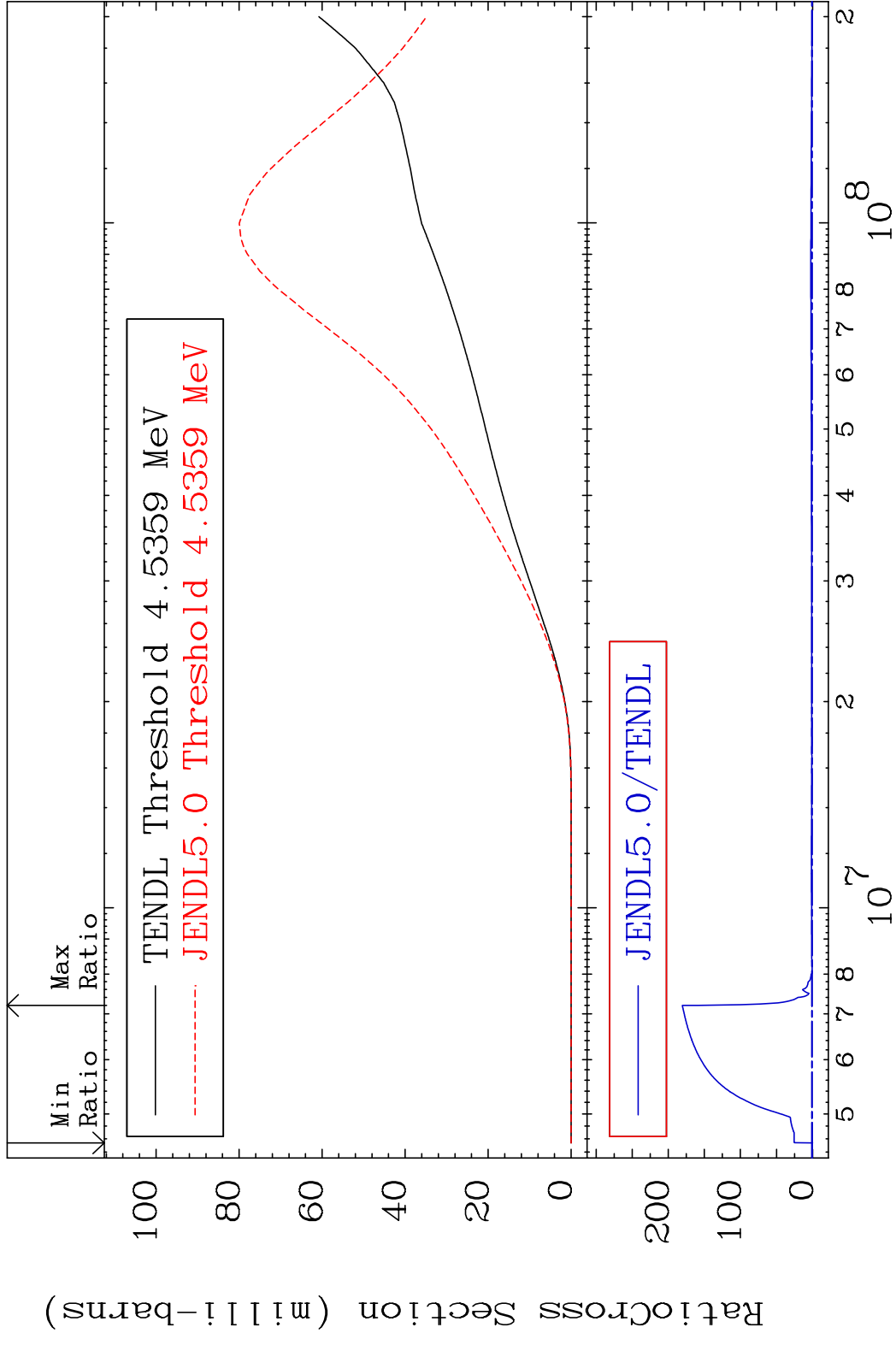
81-T1-201





MAT 8119

Tritium Production 81-Tl-201
Cross Section -100.0 To 9999. %

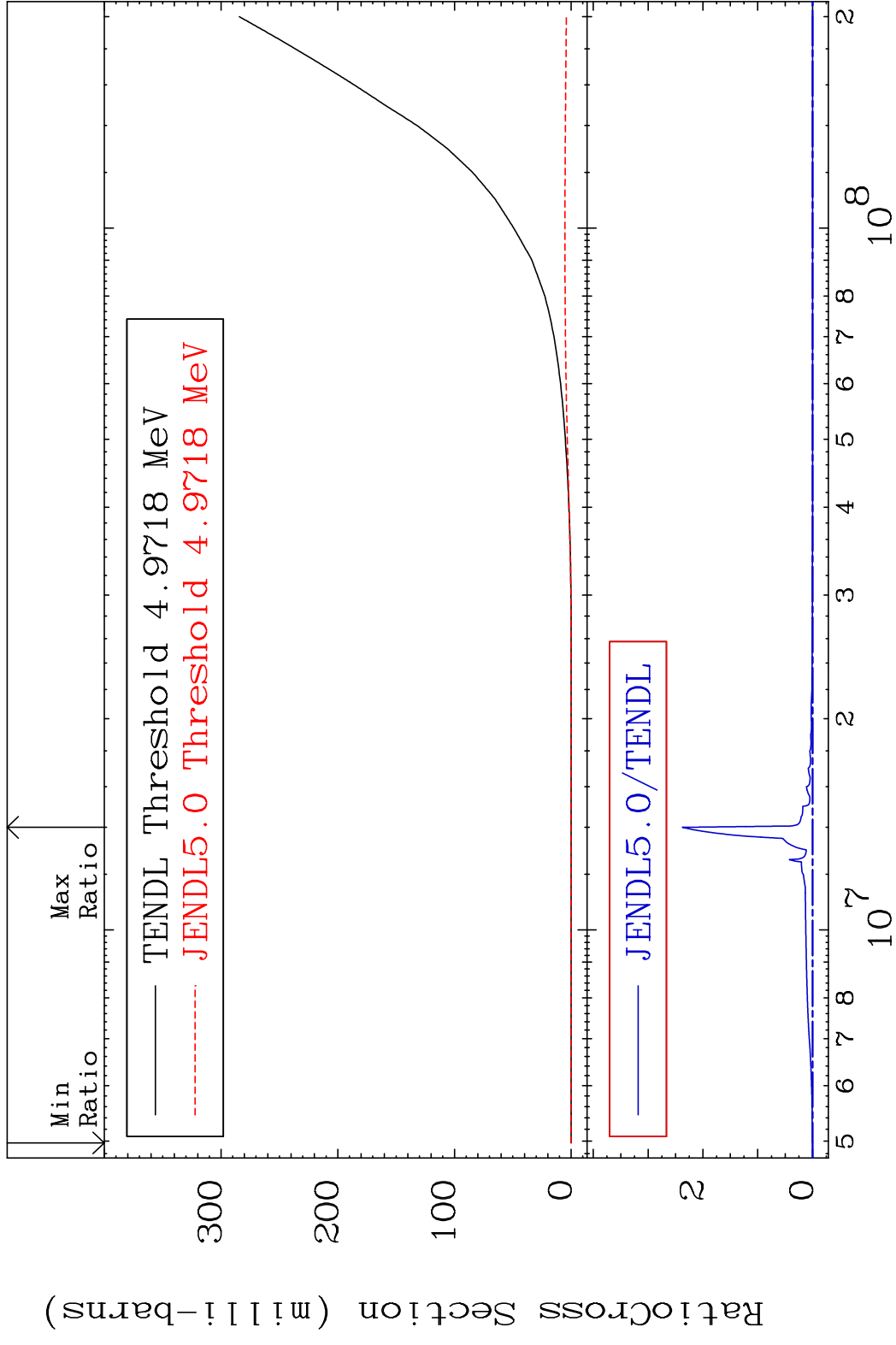


MAT 8119

He-3 Production

81-T1-201

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

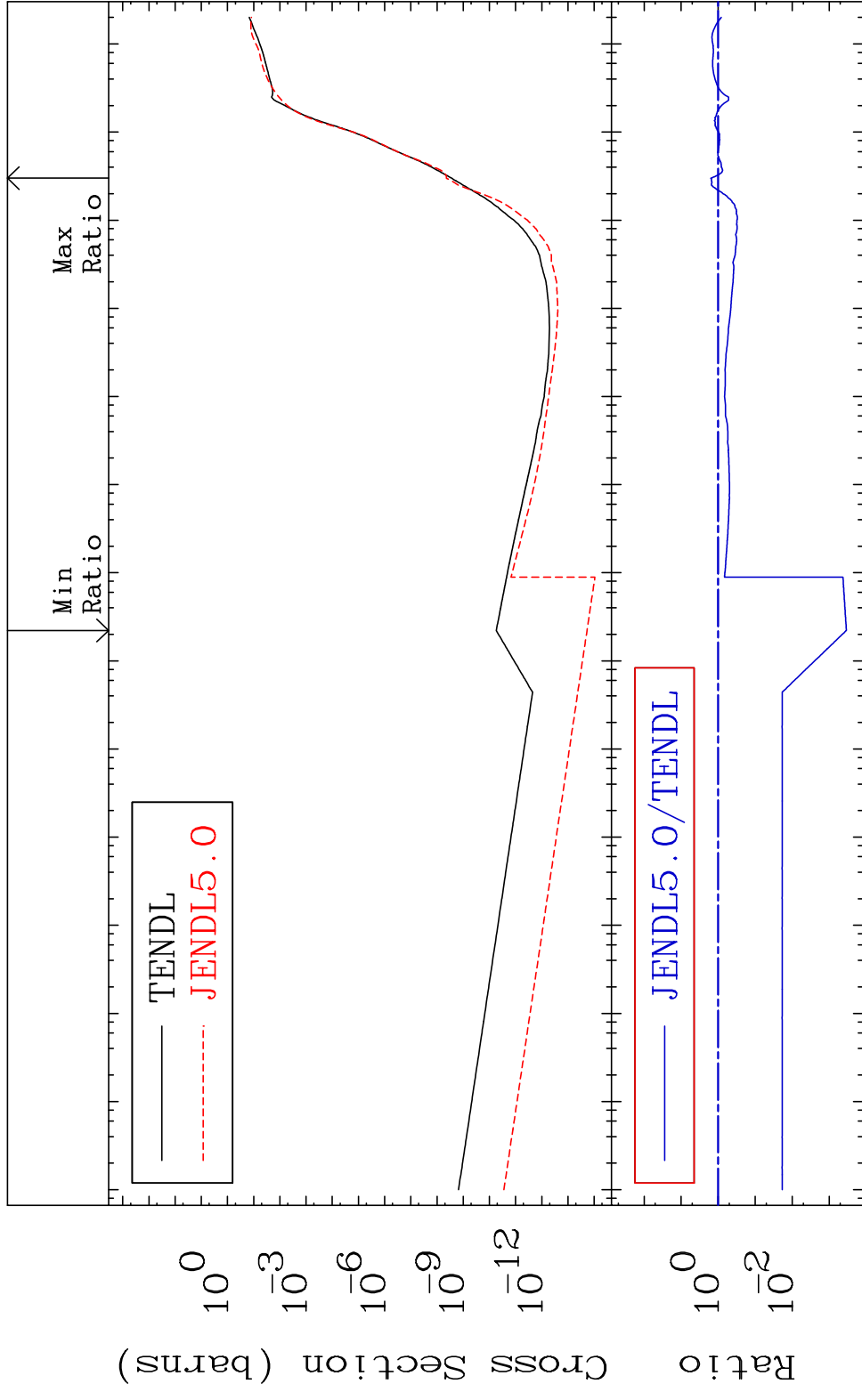
81-T1-201

MAT 81119

He-4 Production

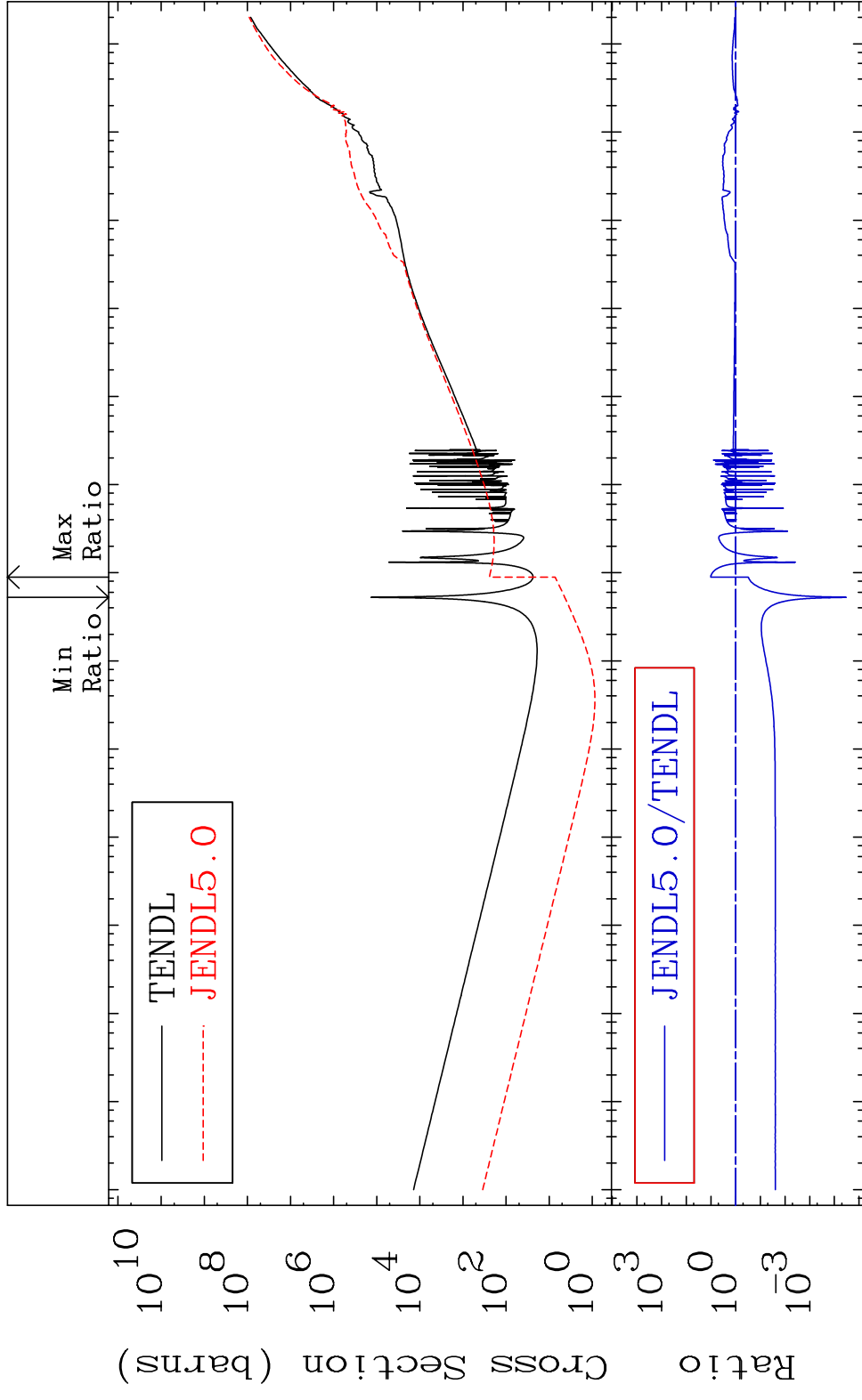
81-T1-201

Cross Section -99.97 To 58.86 %



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

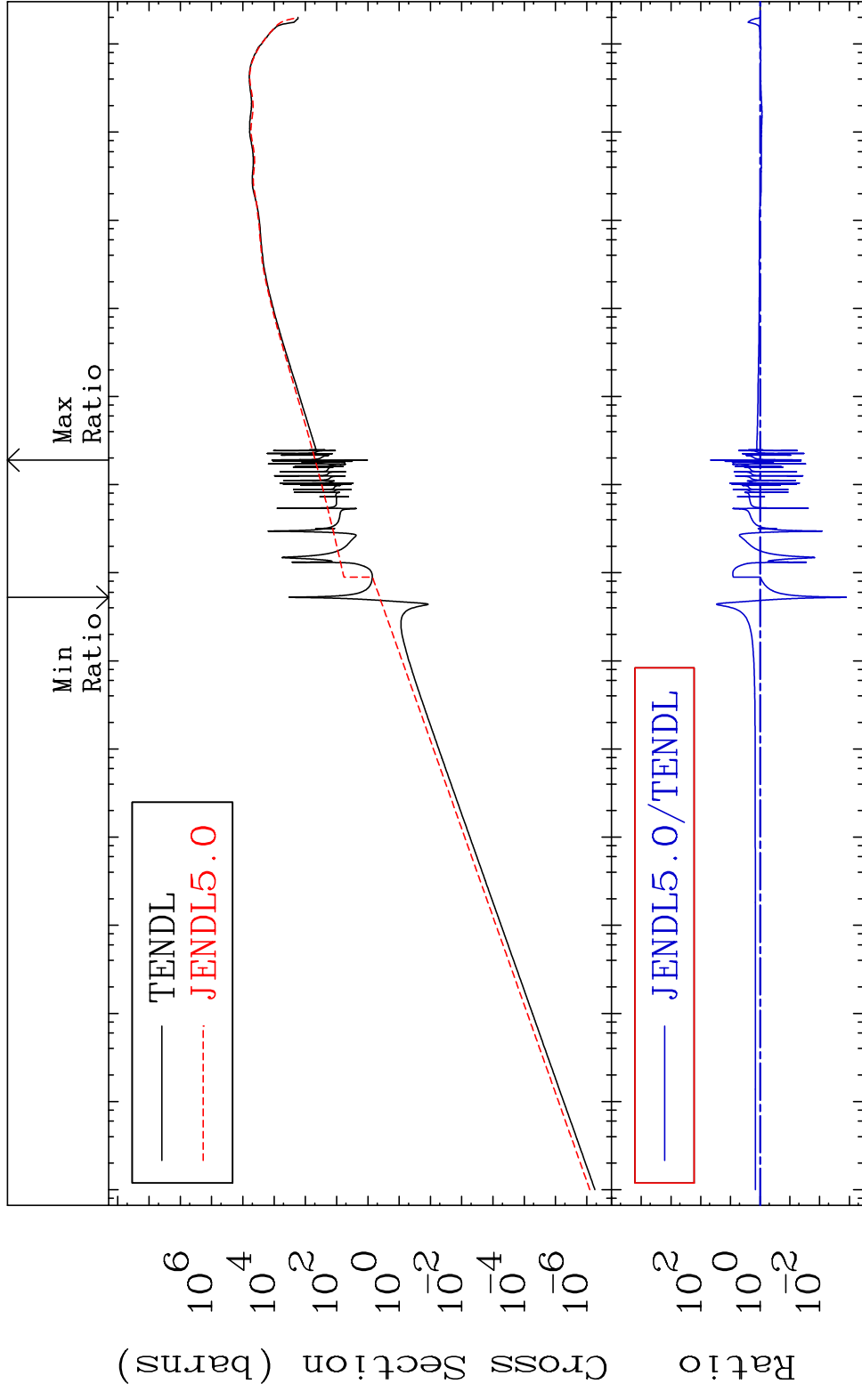
MAT 8119 Kerma total (eV-barns) 81-Tl-201
 Cross Section -100.0 To 924.6 %



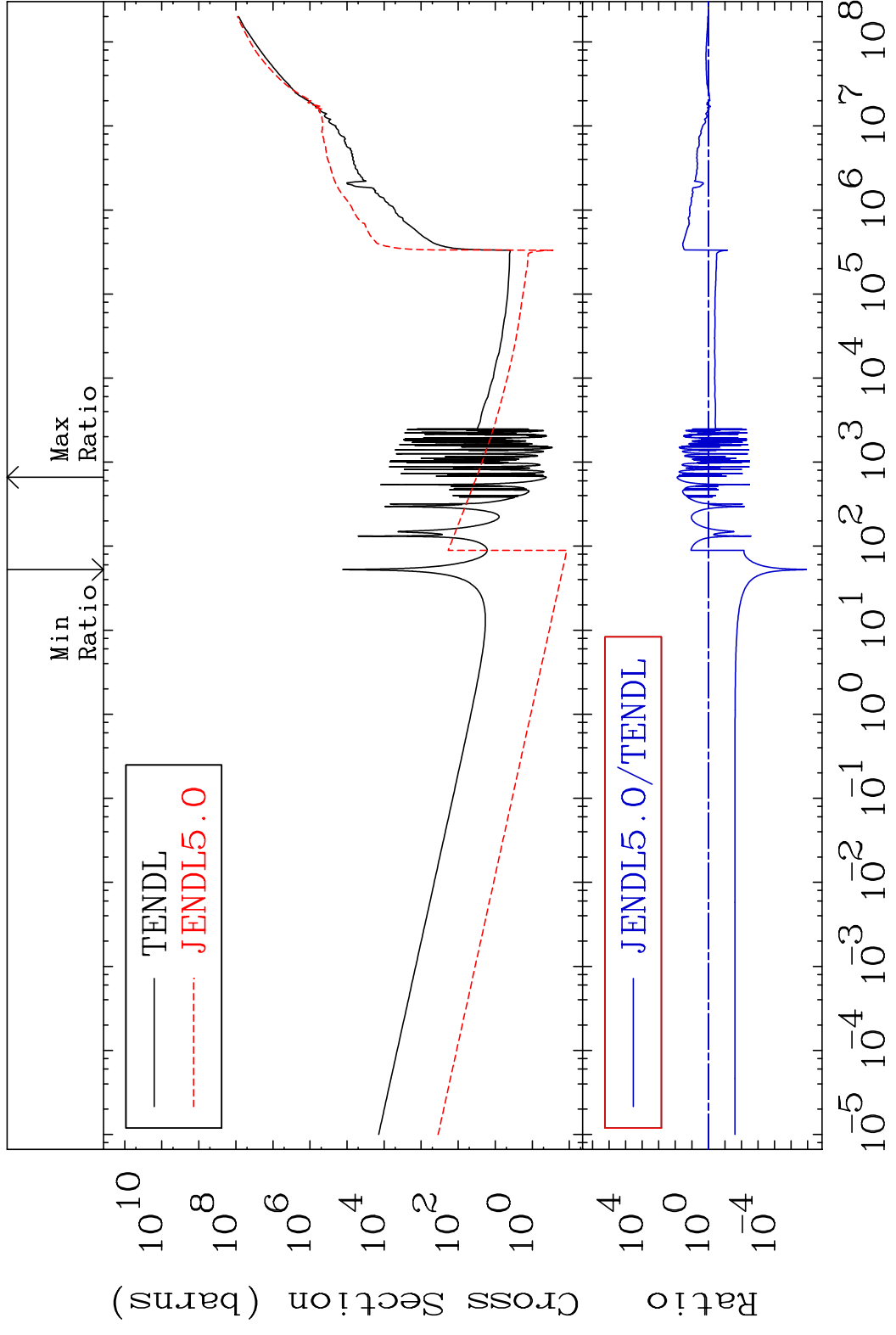
MAT 81119

Kerma elastic Cross Section -99.87 To 4513. %

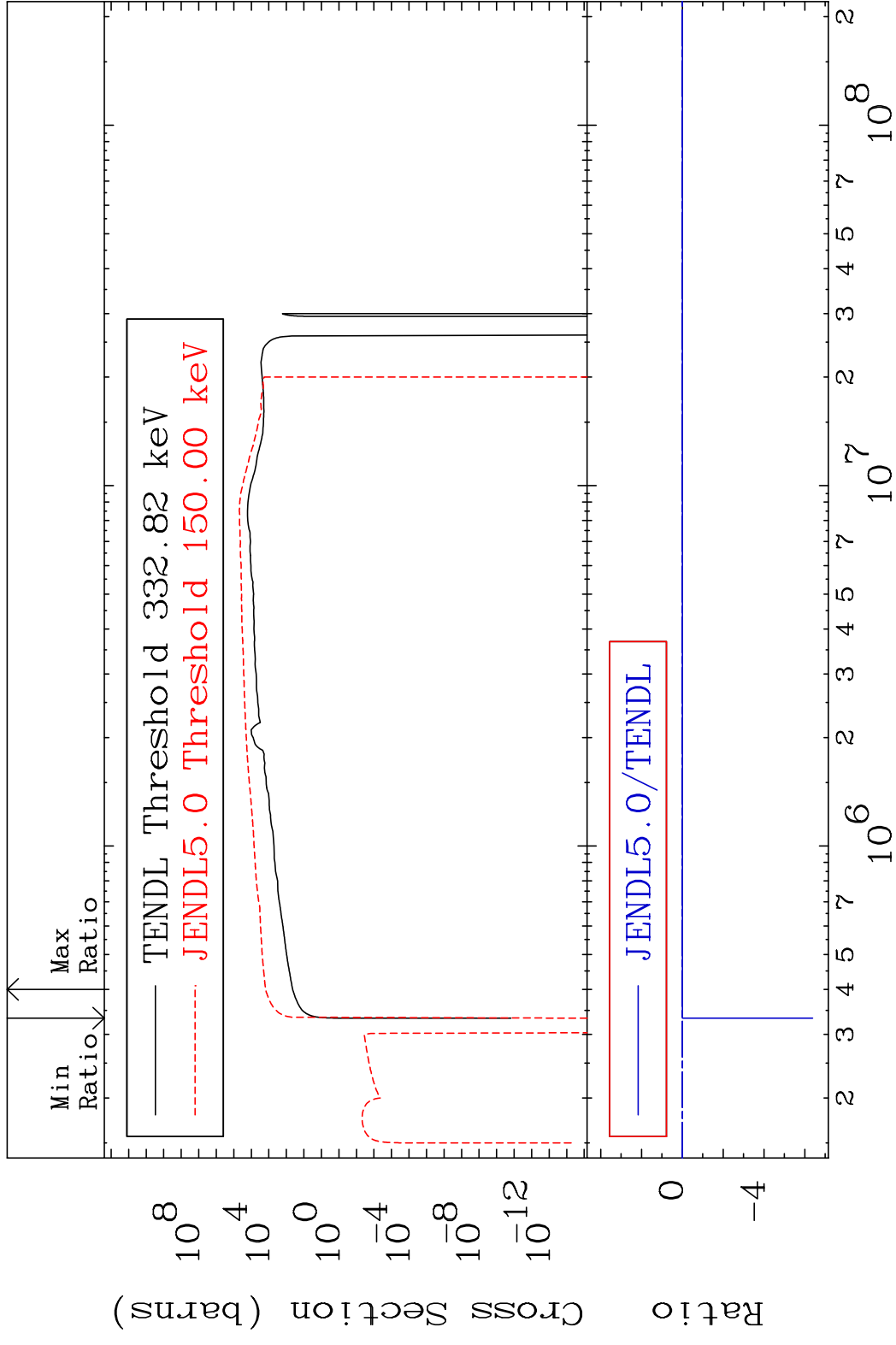
81-Tl-201



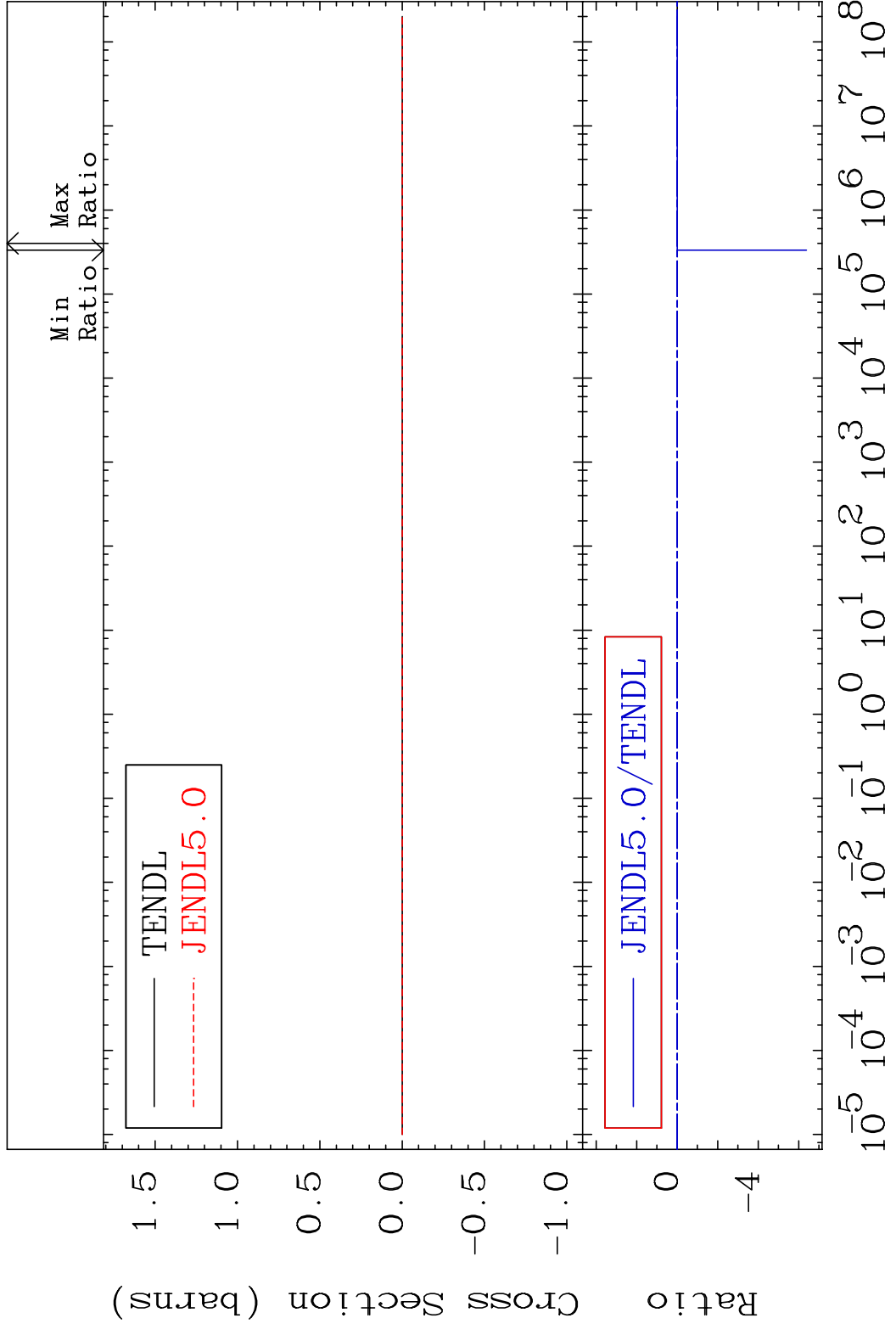
MAT 81119 Kerma non-elastic (all but mt2) 81-Tl-201
 Cross Section -100.0 To 7585. %



MAT 81119 Kerma inelastic (mt51-91) 81-Tl-201
 Cross Section -9999. To 3463. %

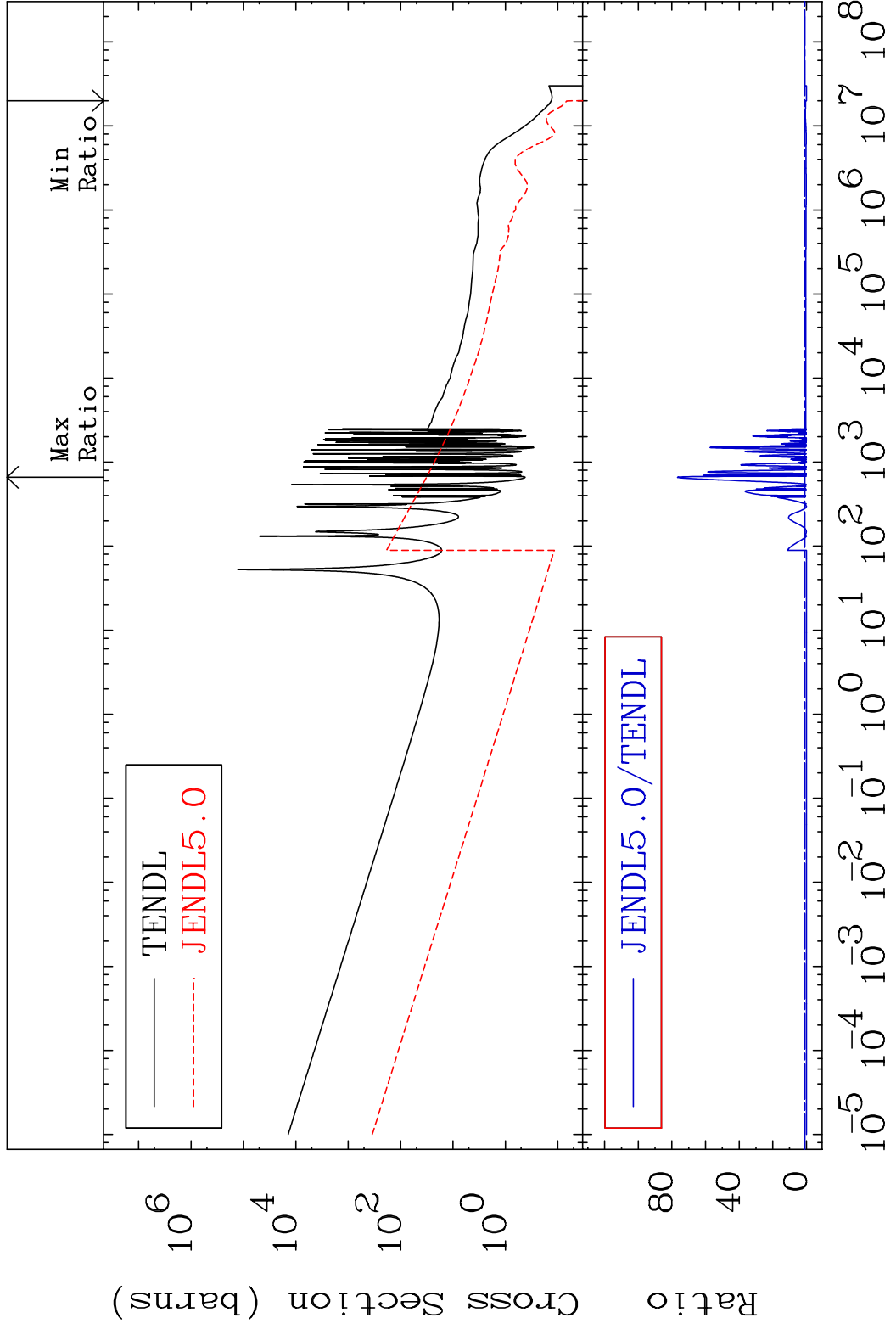


MAT 81119 Kerma fission (mt18 or mt19-20-21-38) 81-Tl-201
 Cross Section -9999. To 3463. %

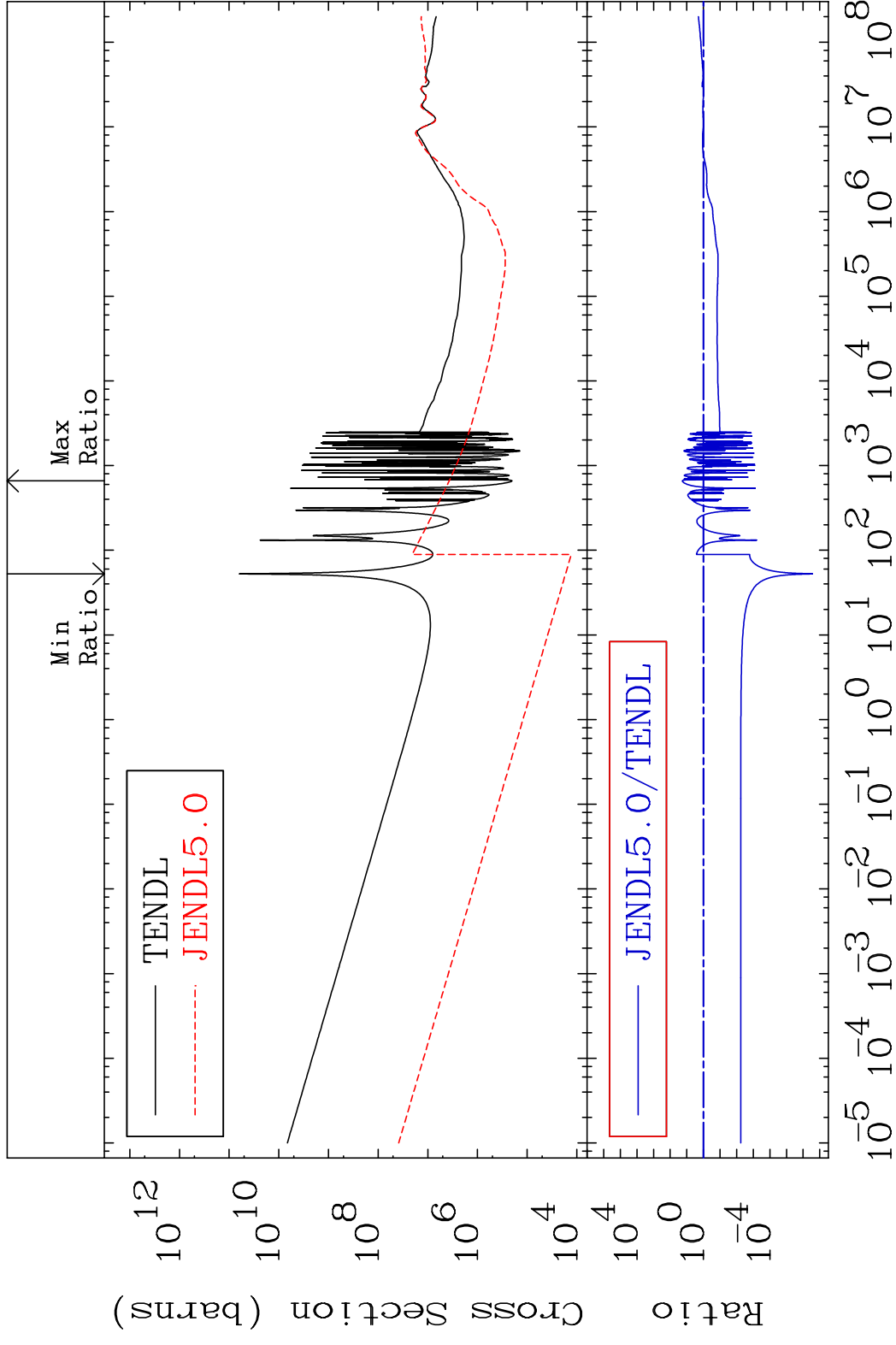


MAT 8119

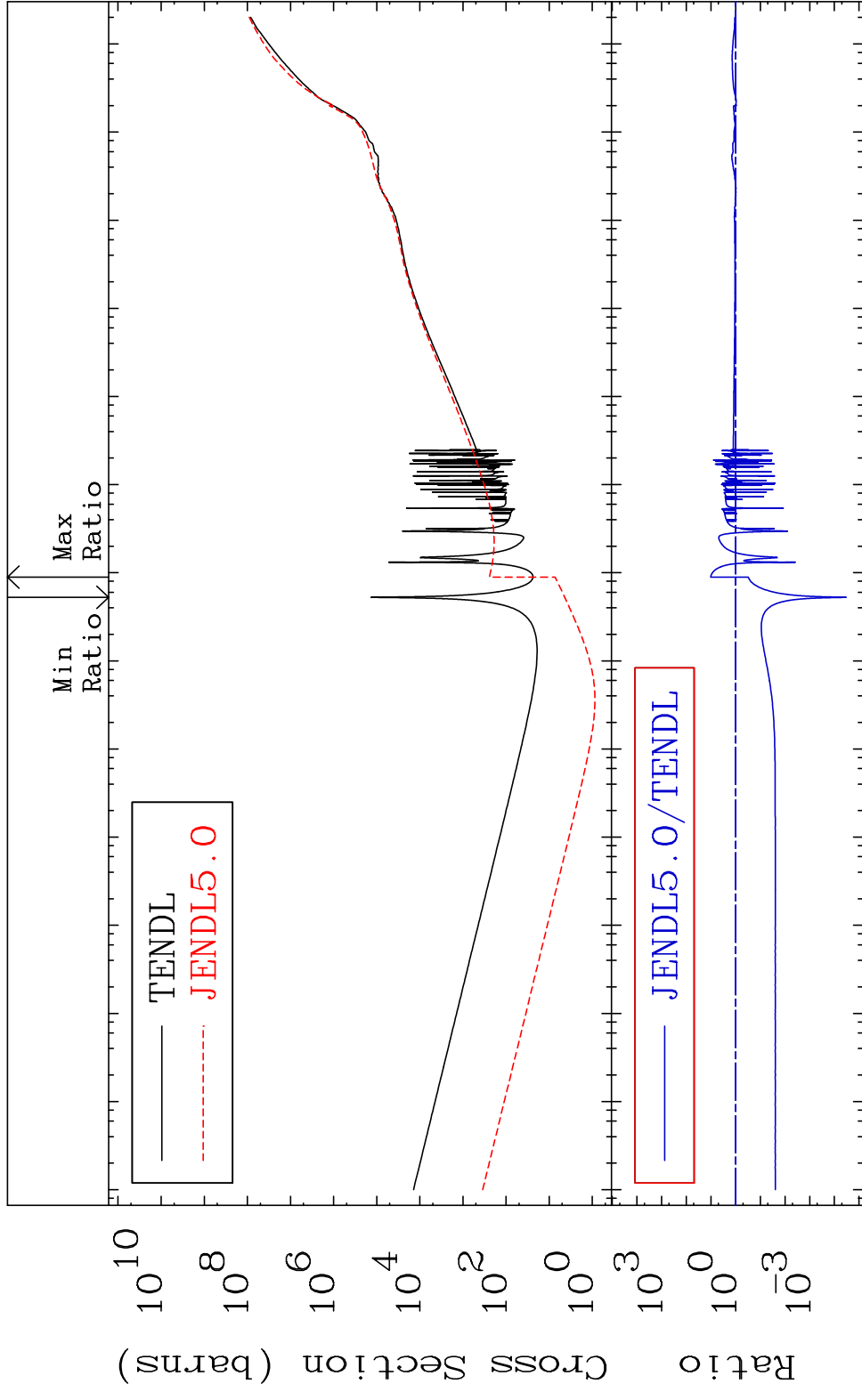
Kerma capture (mt102) 81-T1-201
Cross Section -100.0 To 7585. %



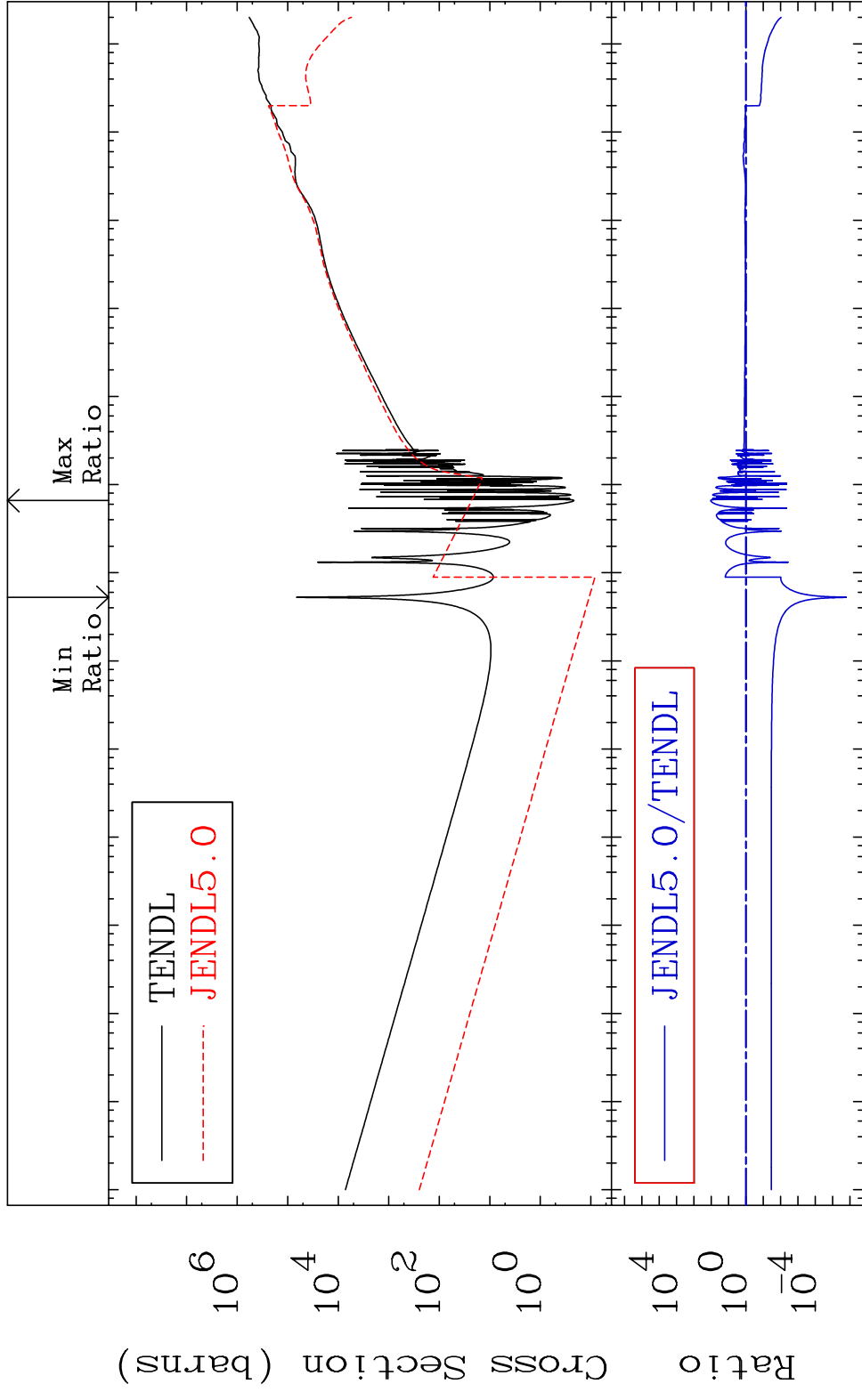
MAT 8119 Total photon (eV-barns) 81-Tl-201
 Cross Section -100.0 To 1748. %



MAT 81119 Total kinematic kerma (high limit) 81-Tl-201
 Cross Section -100.0 To 924.6 %



MAT 8119 Dpa total (eV-barns) 81-T1-201
 Cross Section -100.0 To 9999. %



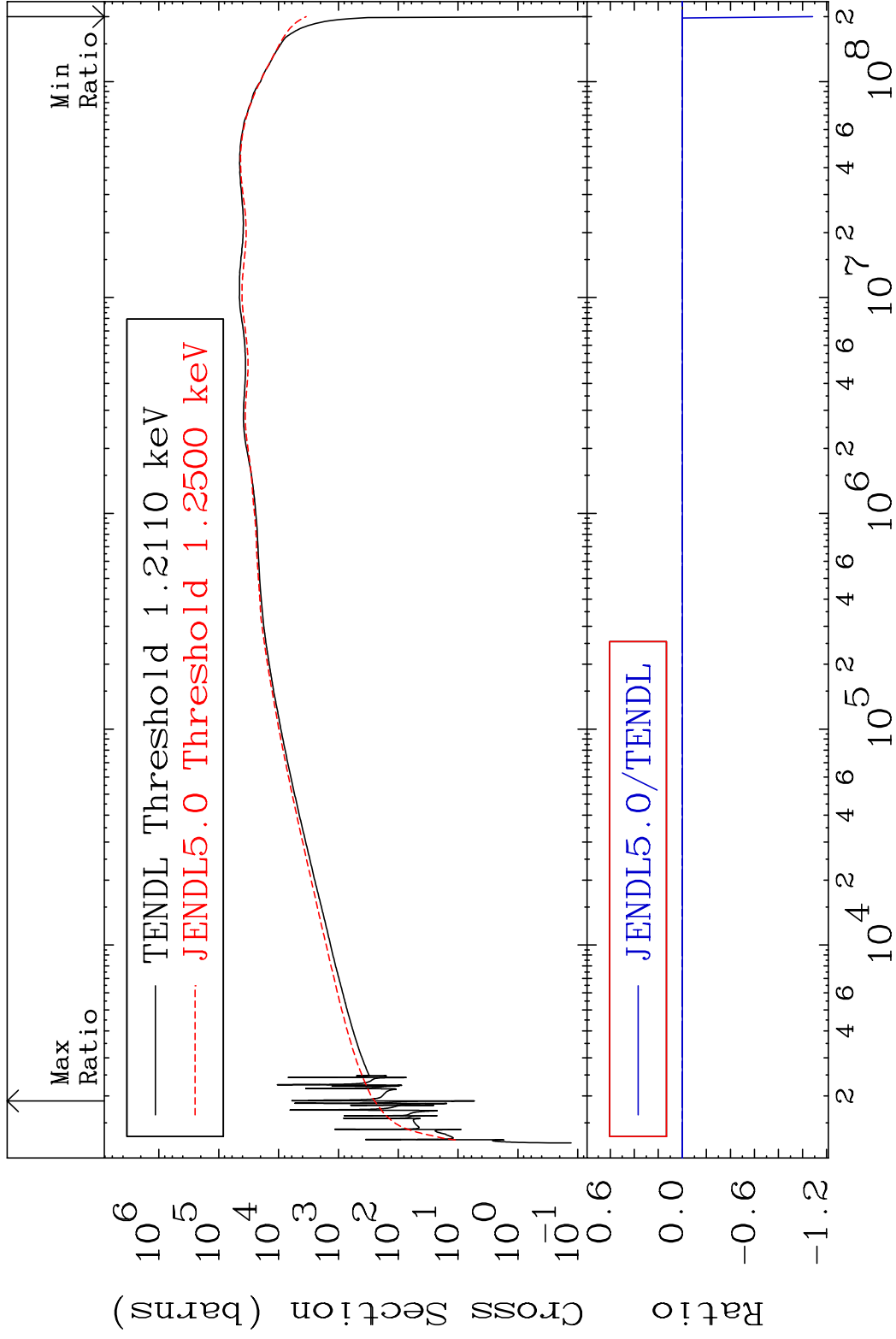
60 Incident Energy (eV) 81-T1-201

MAT 8119

Dpa elastic (mt2)

81-Tl-201

Cross Section -9999. To 4521. %

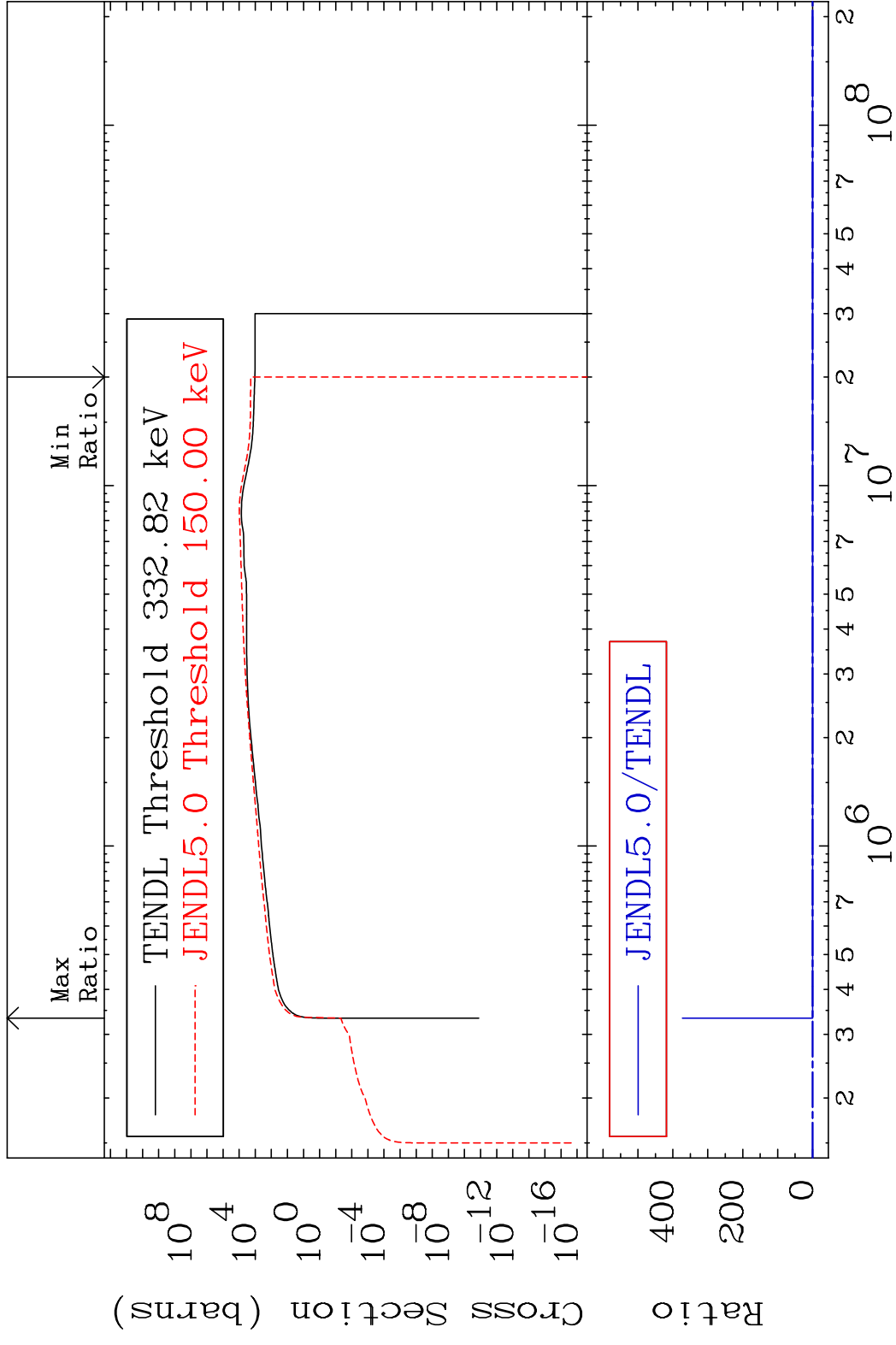


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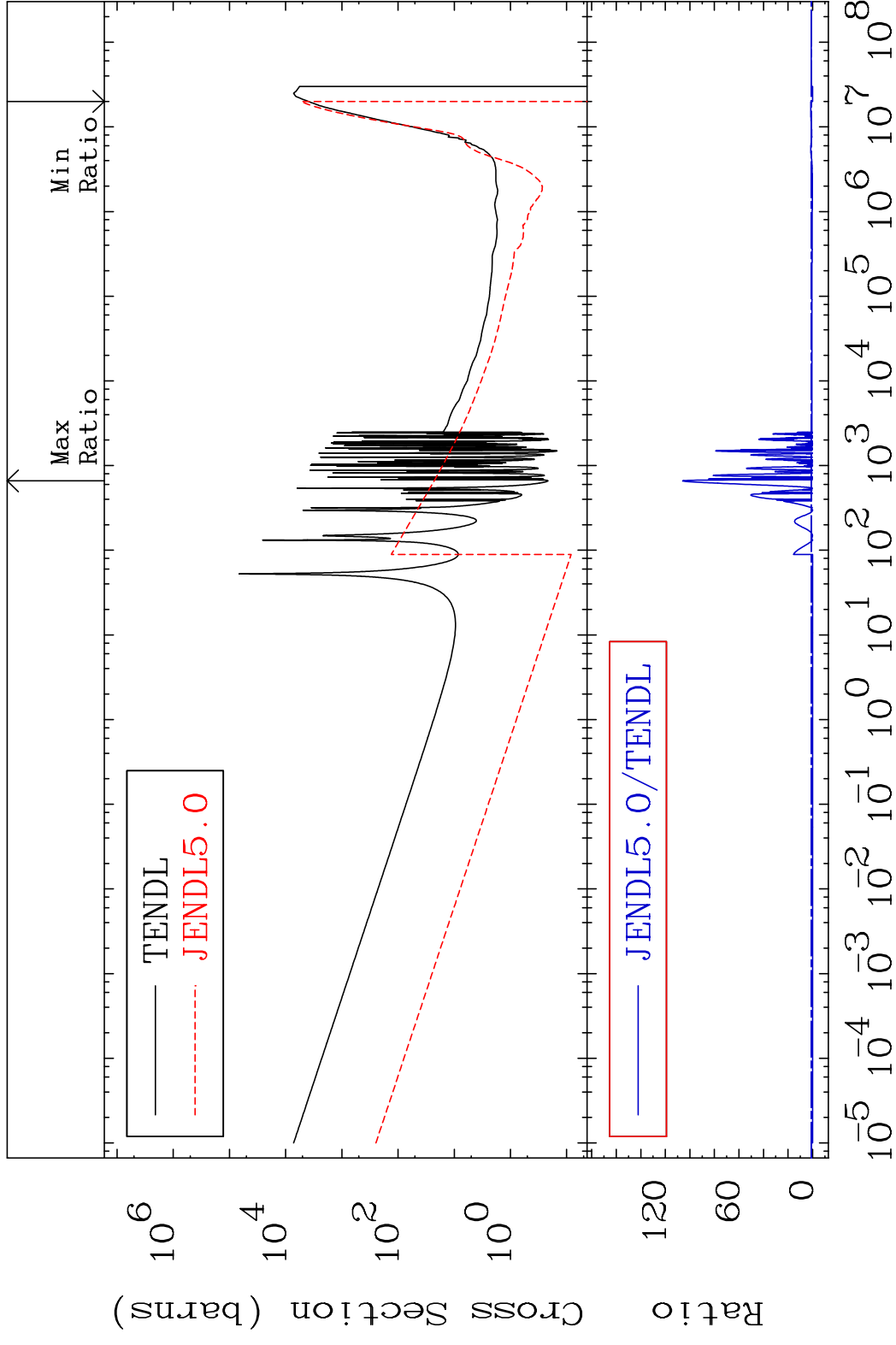
Incident Energy (eV)

81-Tl-201

MAT 8119 Dpa inelastic (mt51-91) 81-Tl-201
 Cross Section -100.0 To 9999. %



MAT 81119 Dpa disappearance (mt102 -120) 81-T1-201
 Cross Section -100.0 To 9999. %



63 Incident Energy (eV) 81-T1-201