

Program Complot
(Version 2021-1)

by

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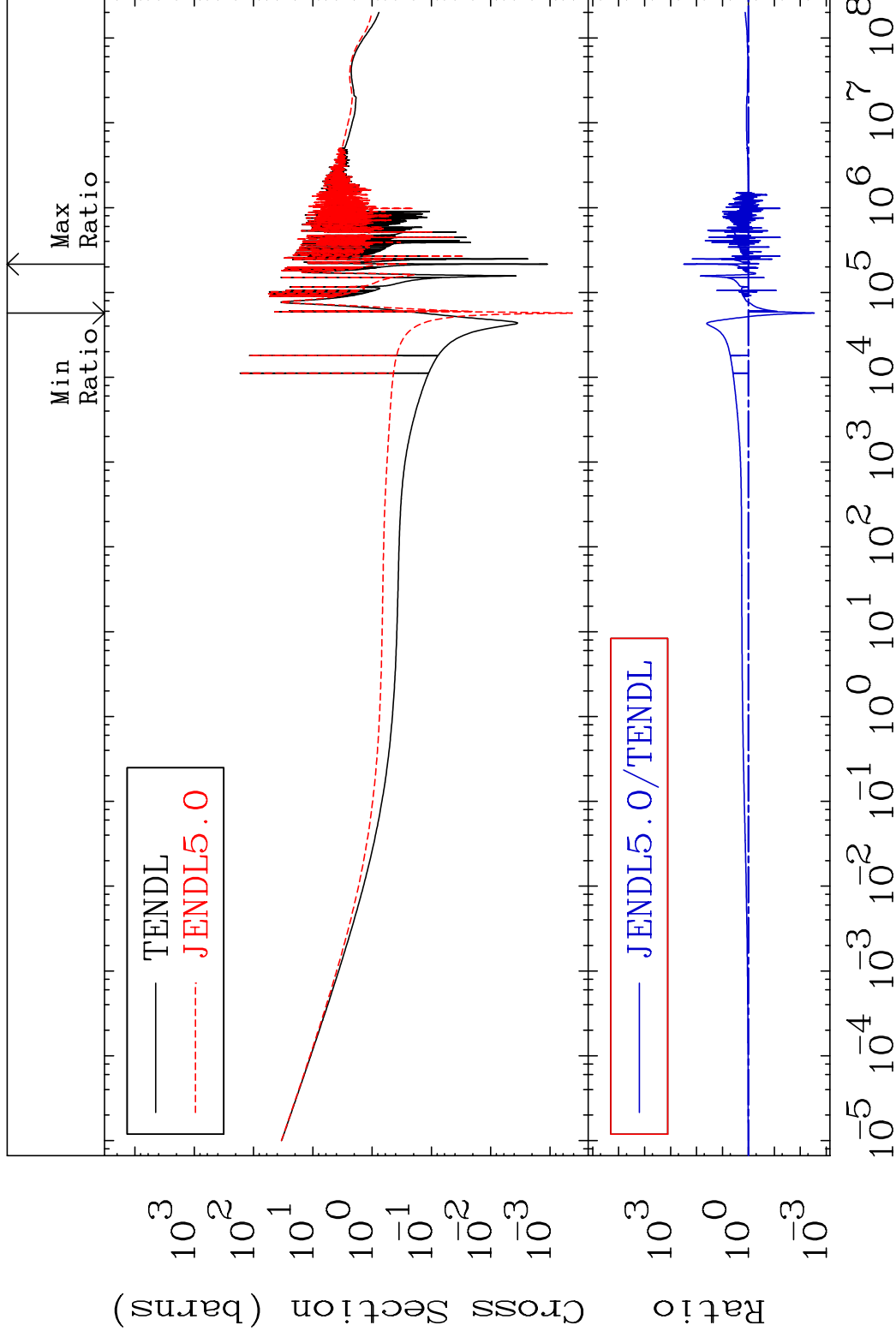
Press Mouse Button to Start

MAT 1837

Total

18-Ar-40

Cross Section -99.71 To 9999. %



1

Incident Energy (eV)

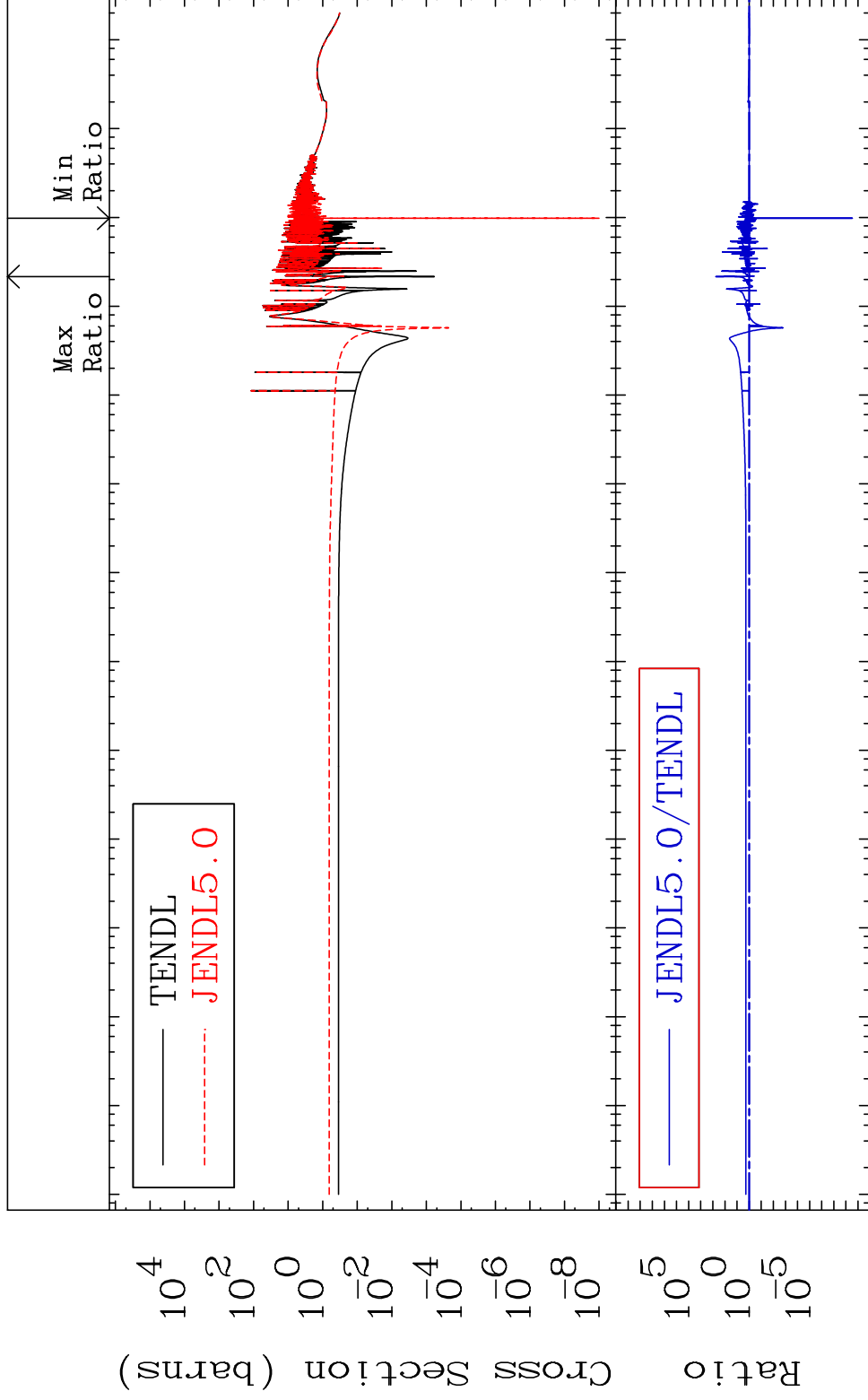
18-Ar-40

MAT 1837

Elastic

18-Ar-40

Cross Section -100.0 To 9999. %



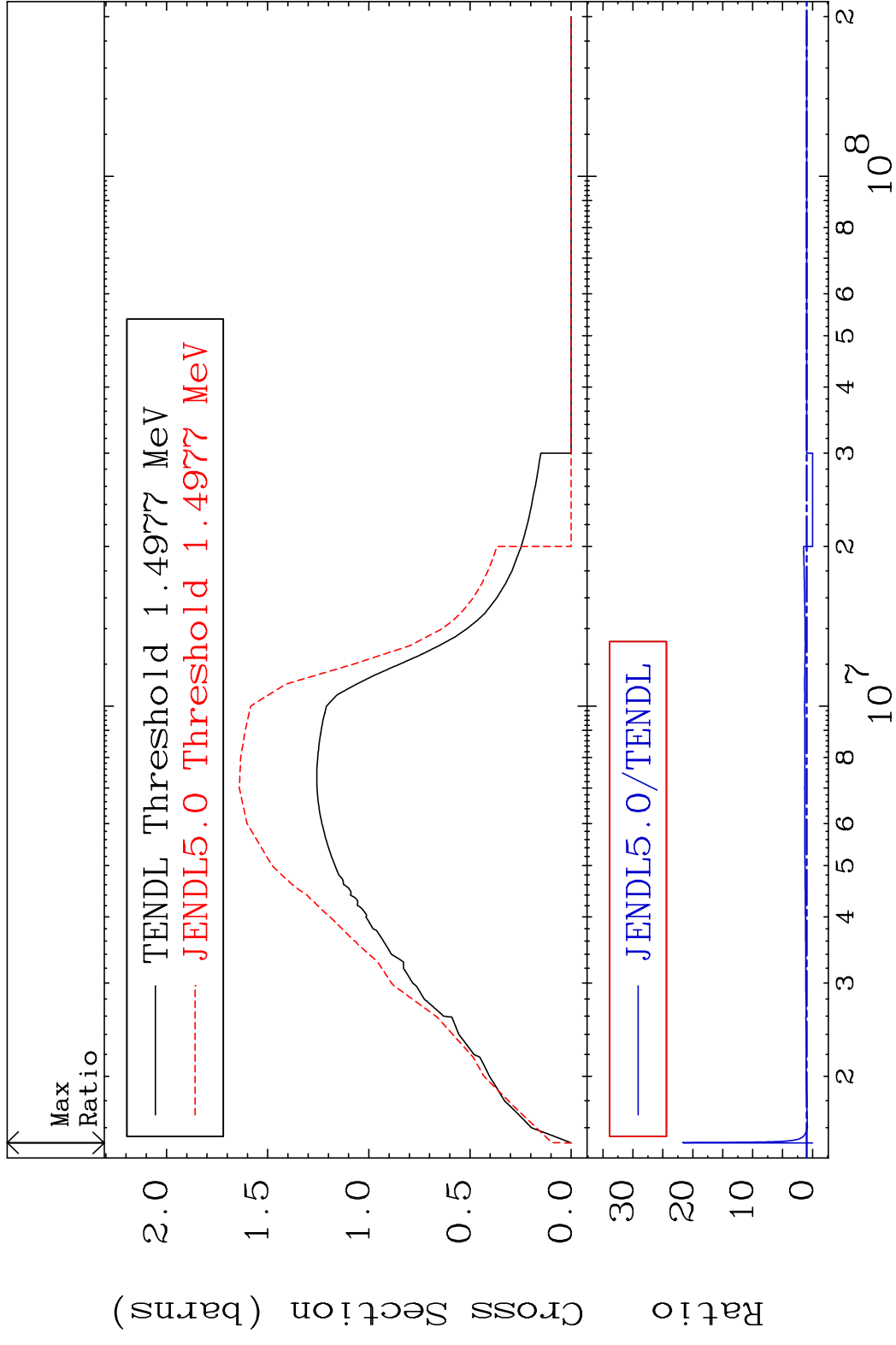
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

18-Ar-40

MAT 1837 Inelastic Cross Section -100.0 To 2074. % 18-Ar-40

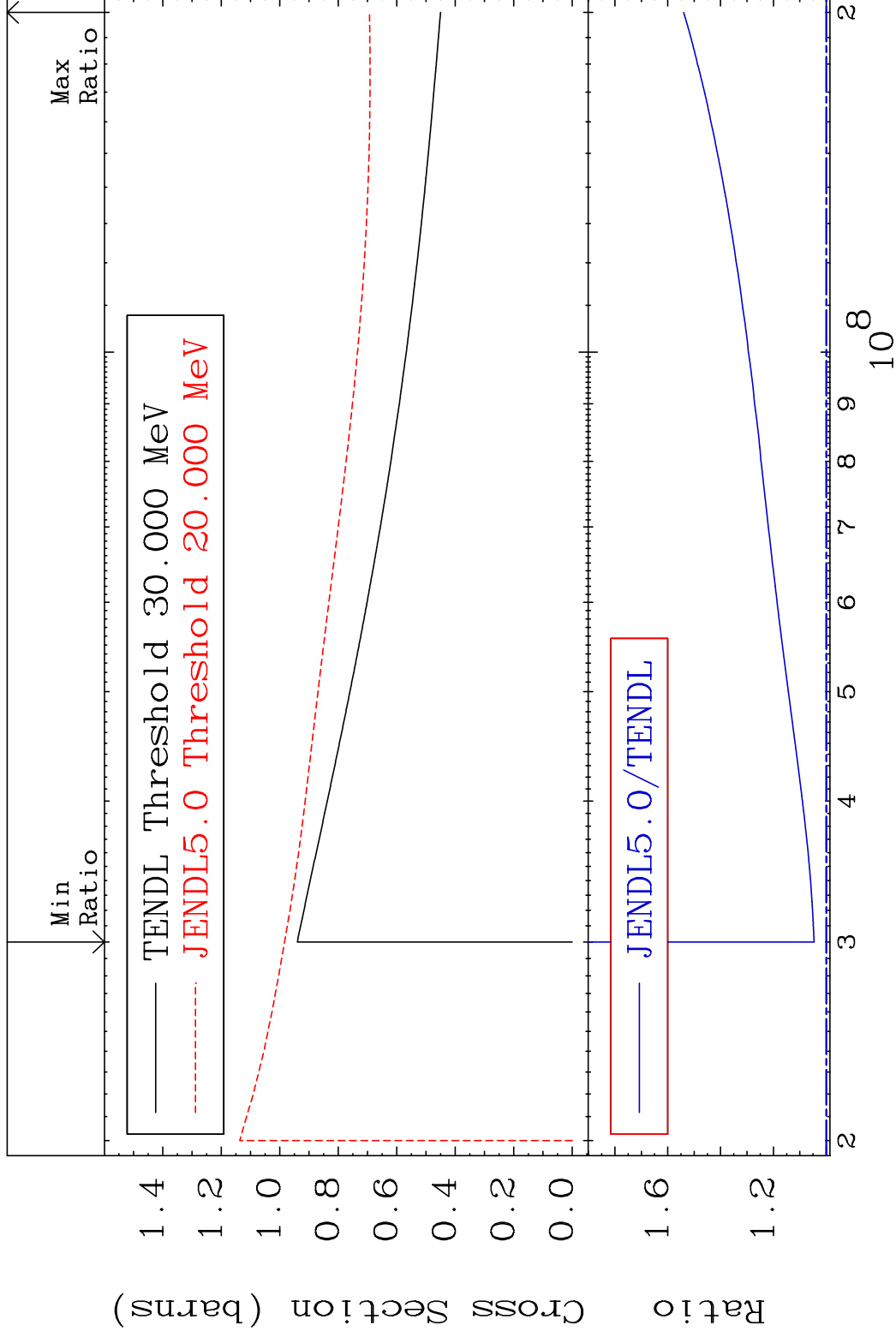


MAT 1837

(n, remainder)

18-Ar-40

Cross Section 4.607 To 53.97 %



4

Incident Energy (eV)

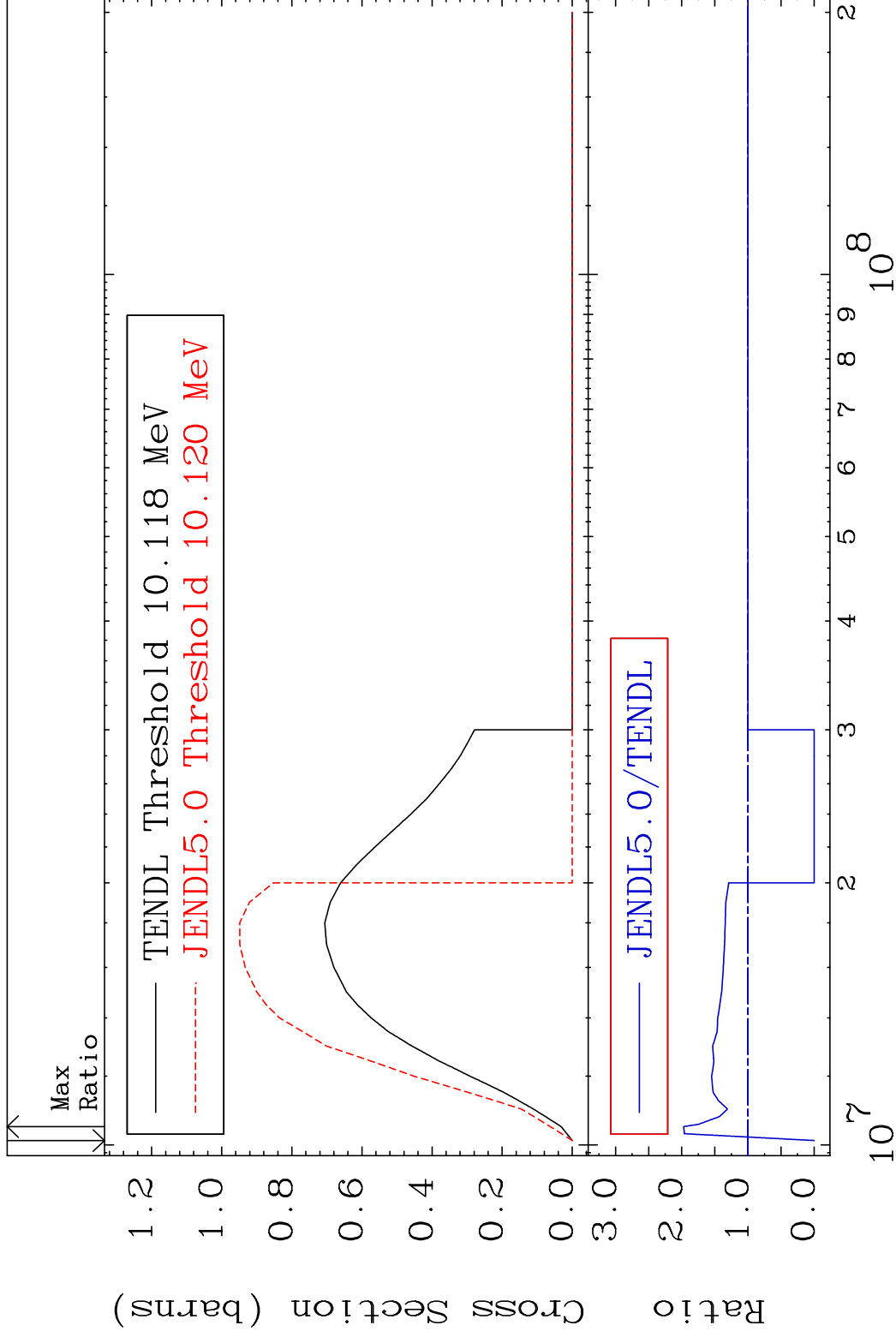
18-Ar-40

MAT 1837

(n,2n)

18-Ar-40

Cross Section -100.0 To 97.08 %

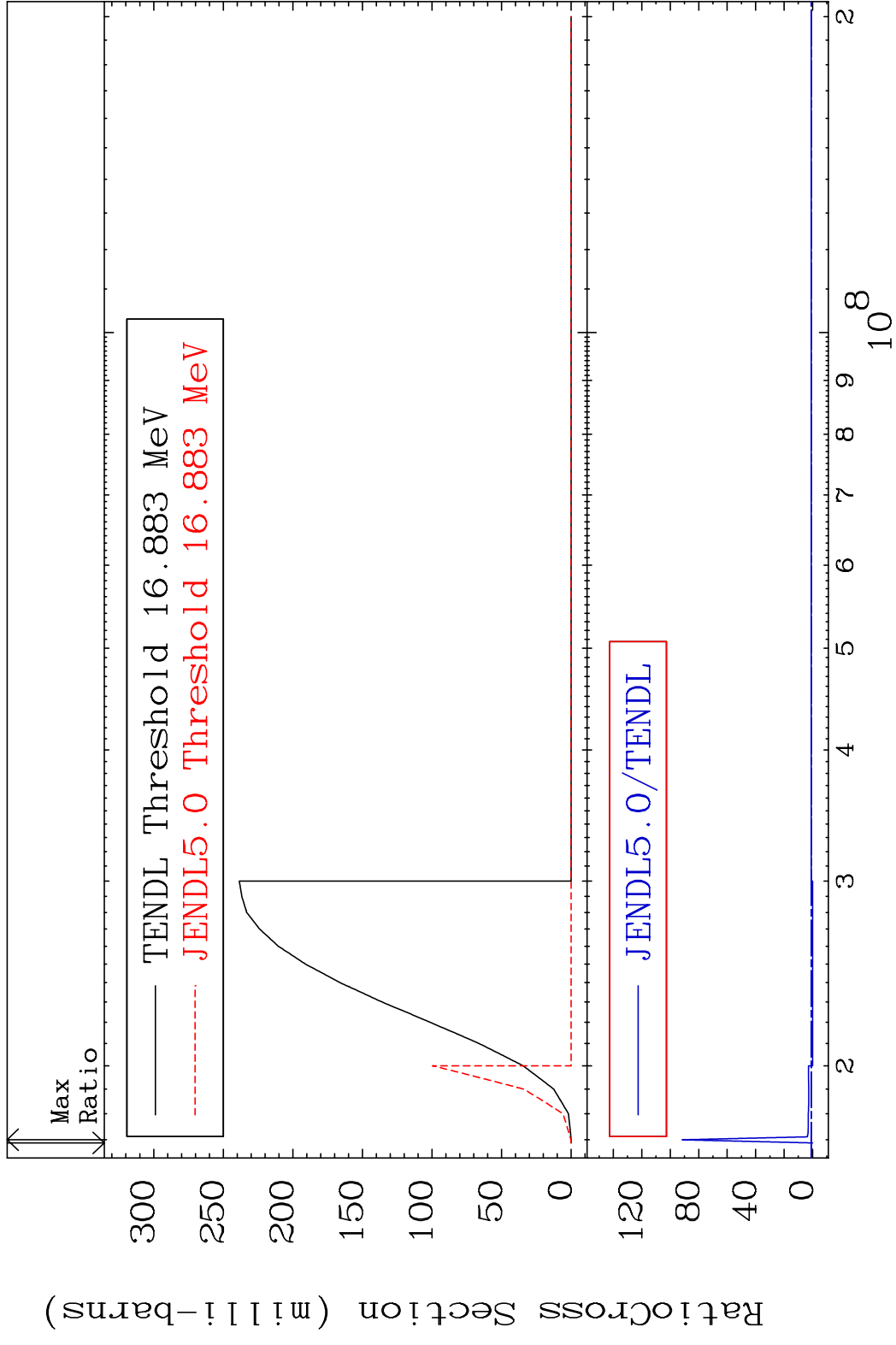


5

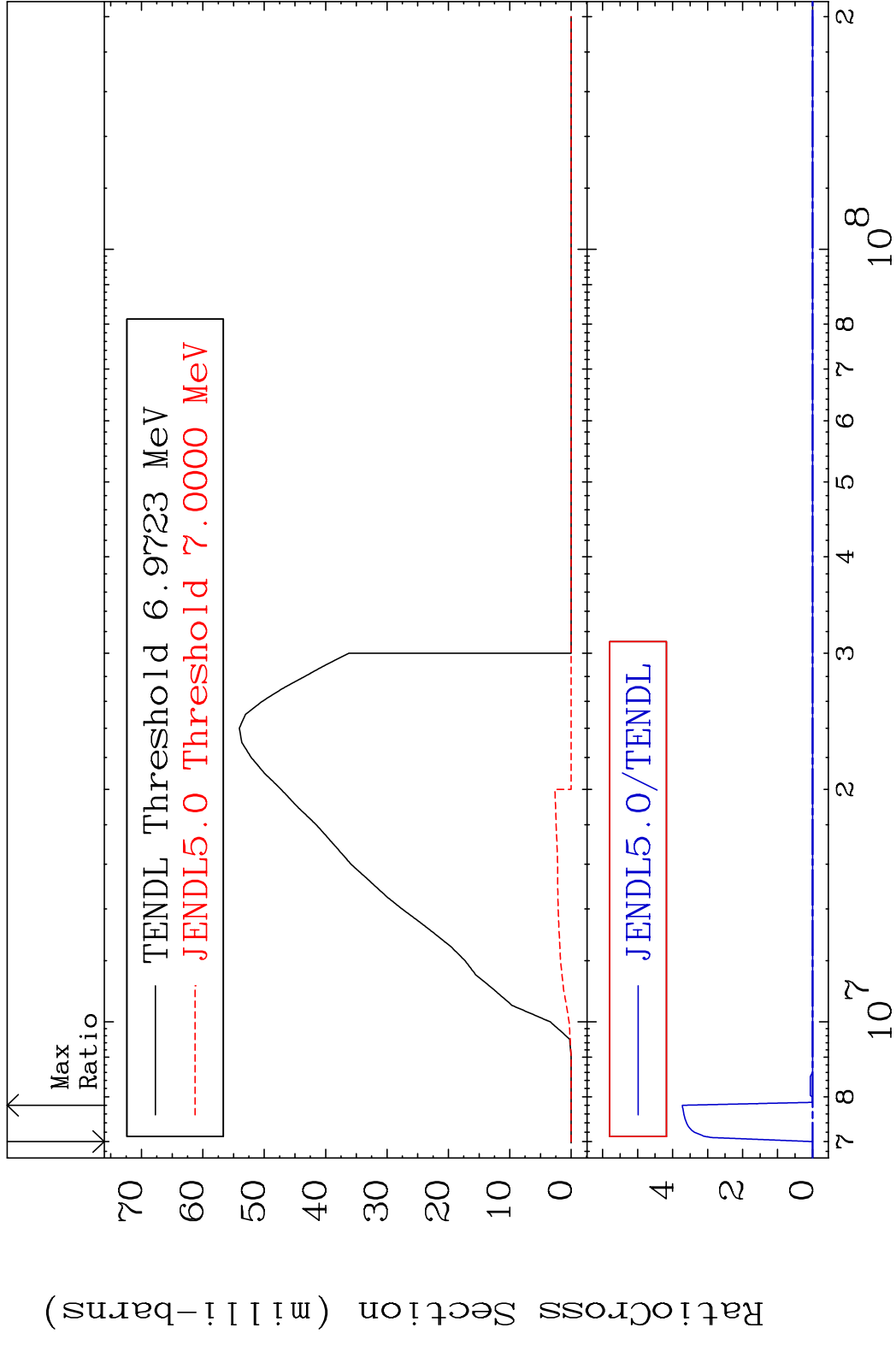
Incident Energy (eV)

18-Ar-40

MAT 1837 (n,3n) 18-Ar-40
 Cross Section -100.0 To 9049. %

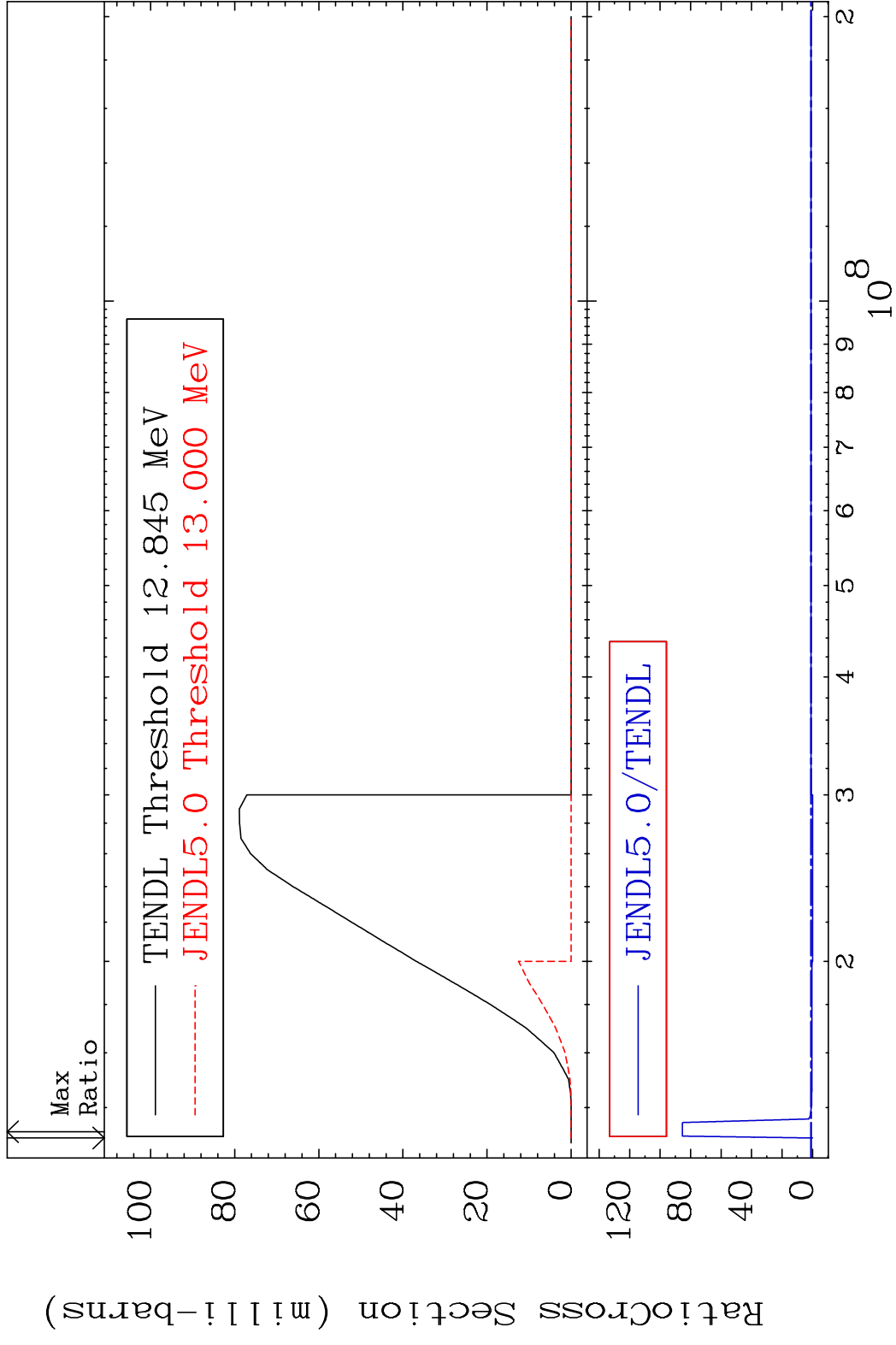


MAT 1837 (n, n') α 18-Ar-40
 Cross Section -100.0 To 9999. %

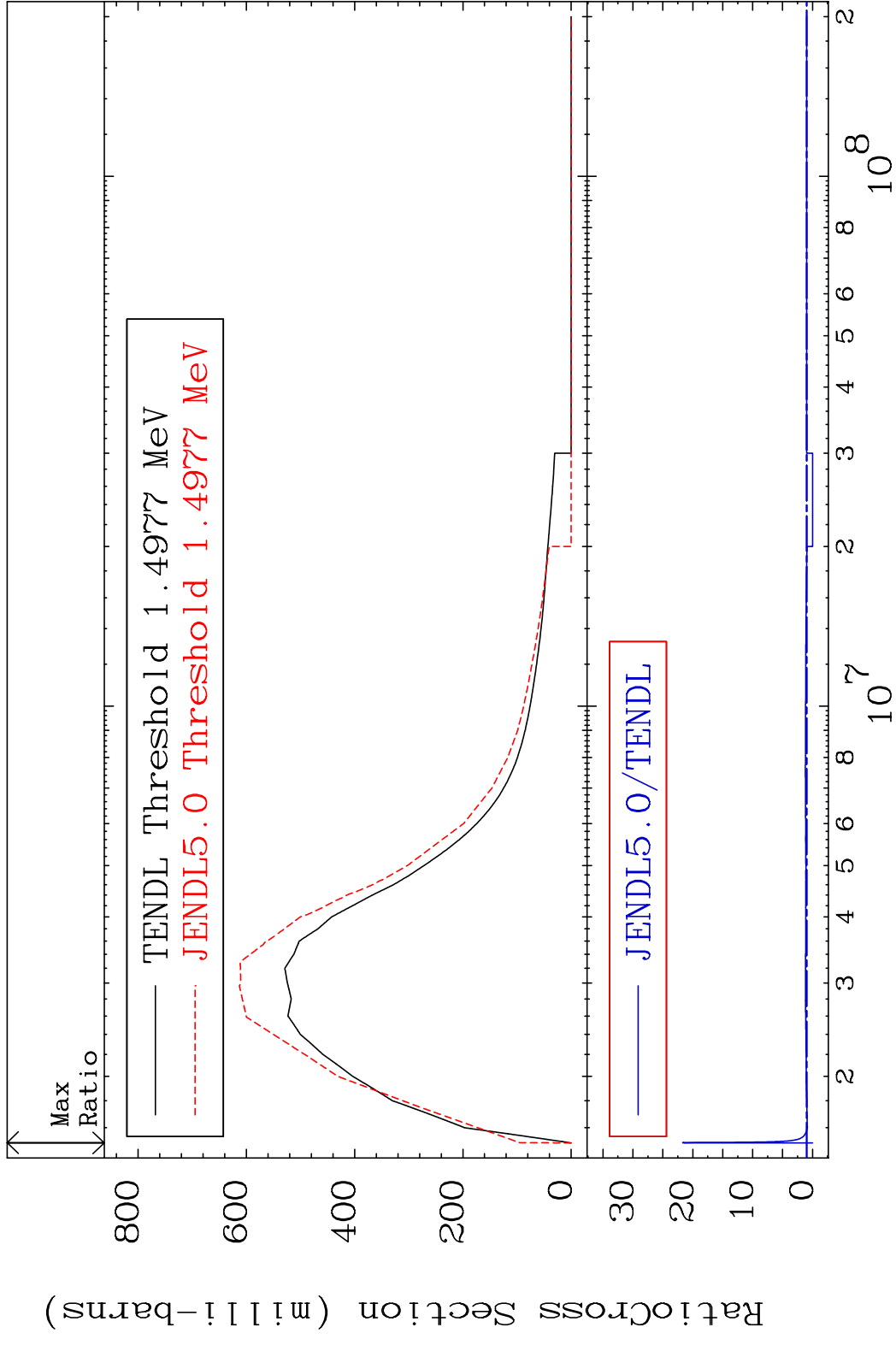


7 Incident Energy (eV) 18-Ar-40

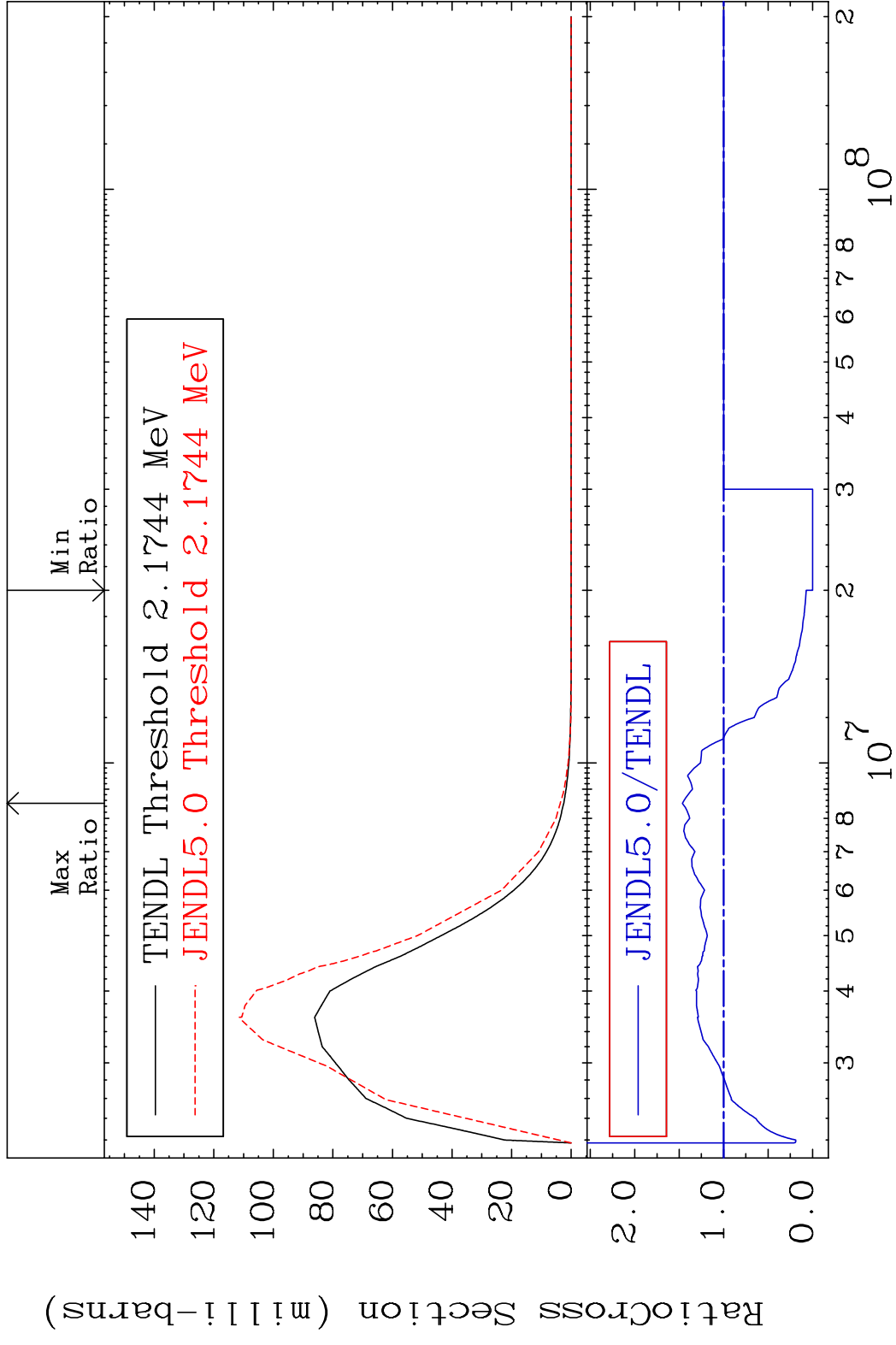
MAT 1837 (n, n') p 18-Ar-40
 Cross Section -100.0 To 8442. %



MAT 1837 MT= 51 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 2074. %

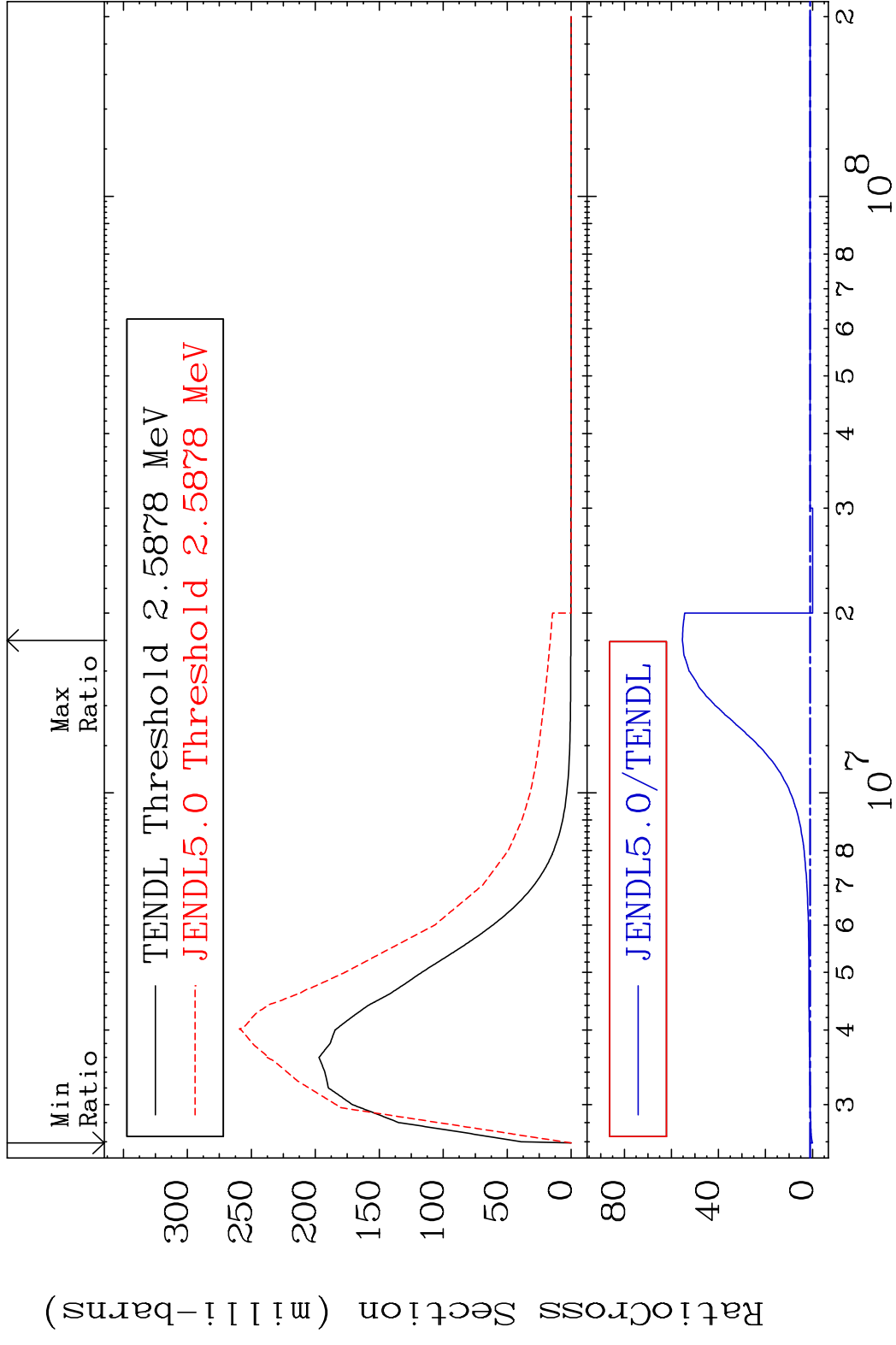


MAT 1837 MT= 52 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 46.44 %

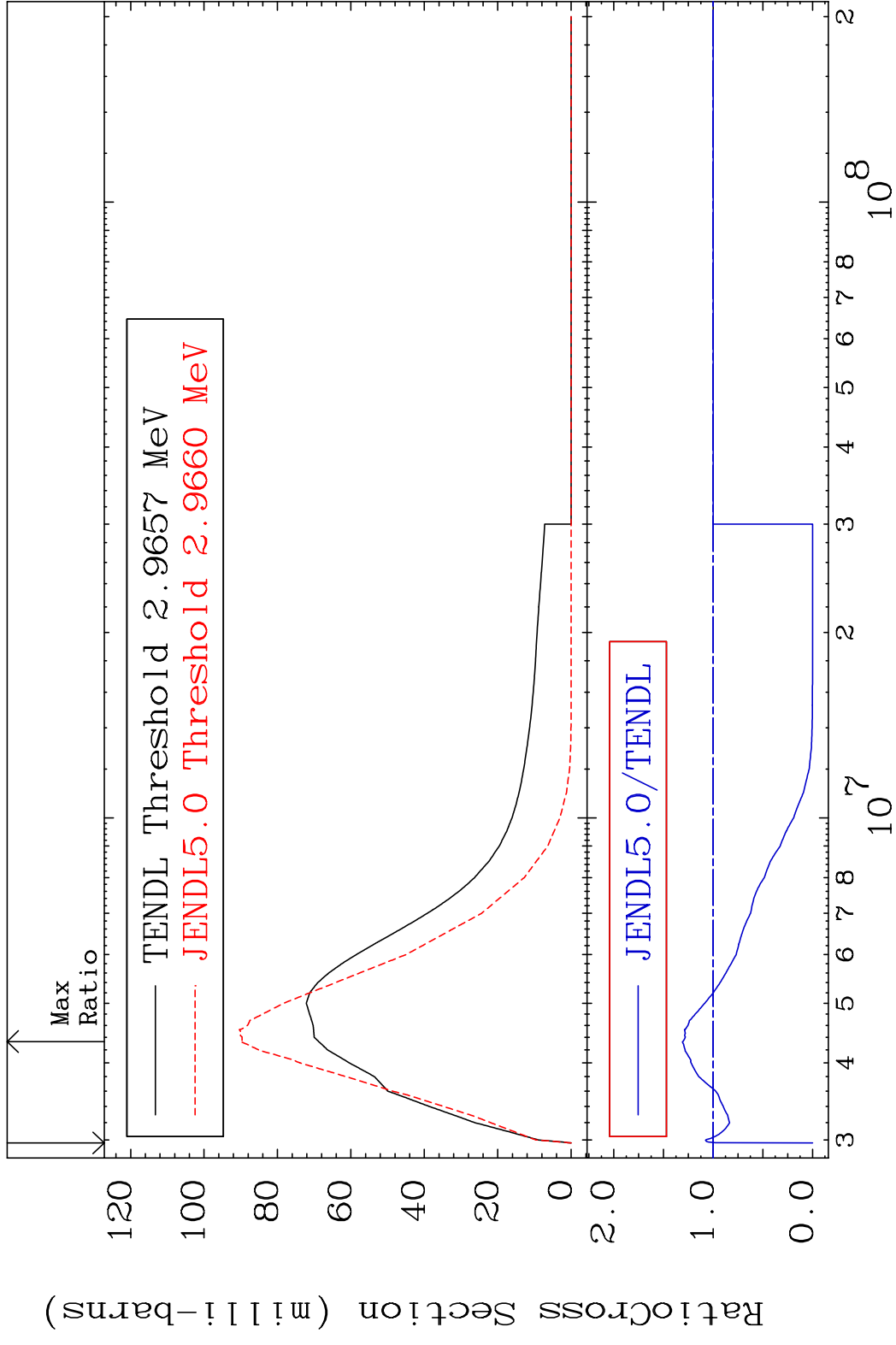


10 Incident Energy (eV) 18-Ar-40

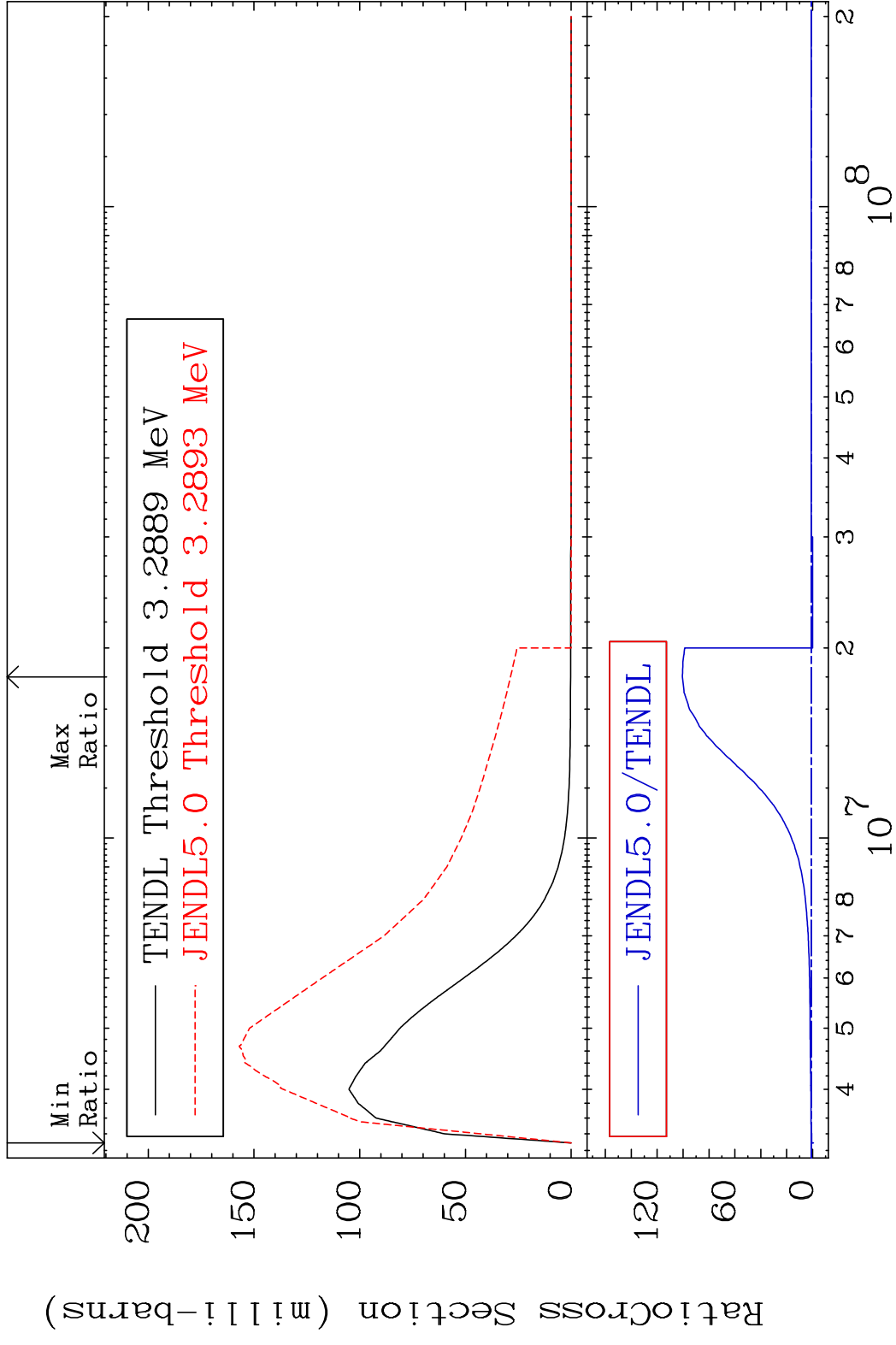
MAT 1837 MT= 53 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 5435. %



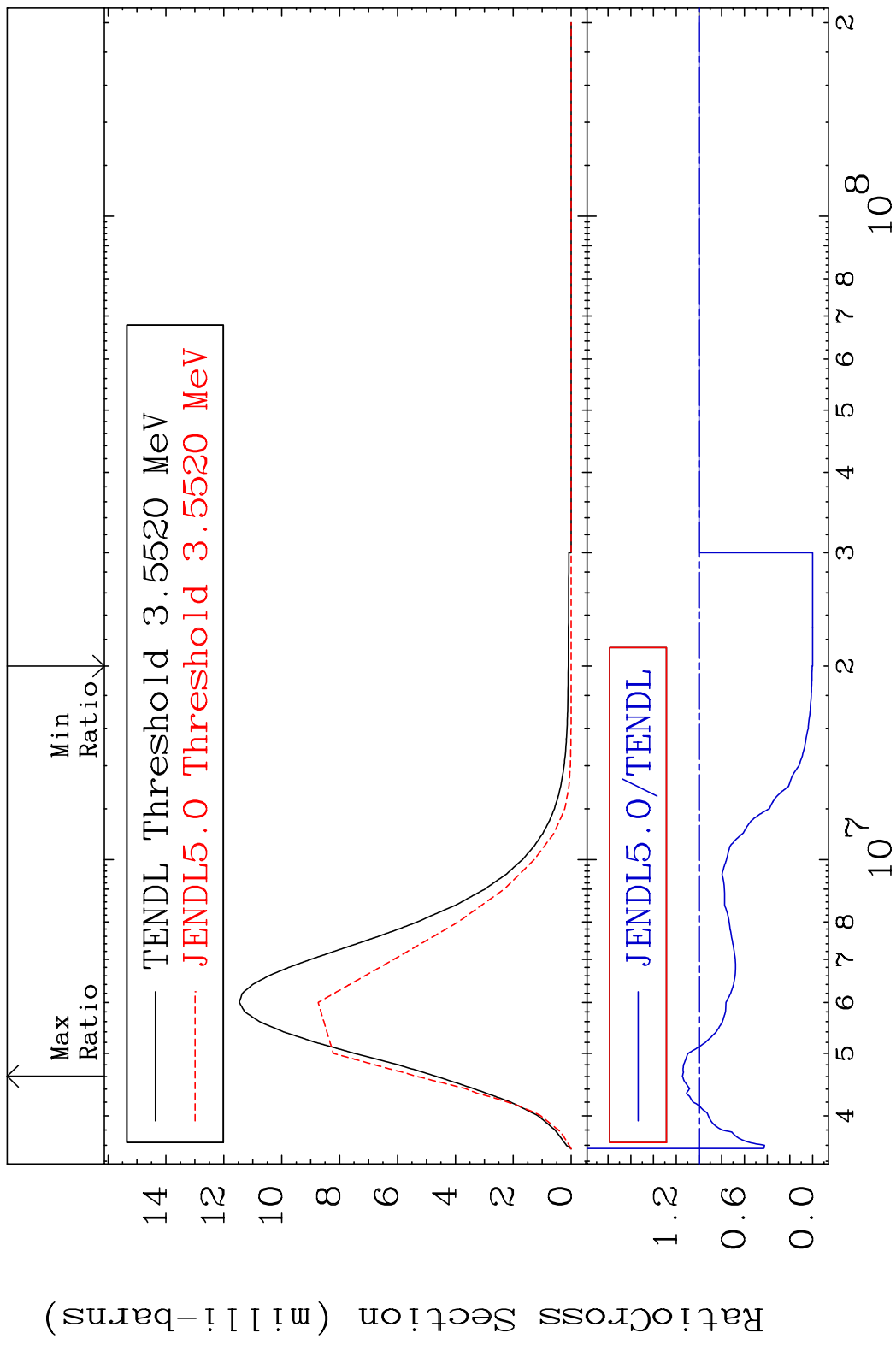
MAT 1837 MT= 54 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 31.02 %



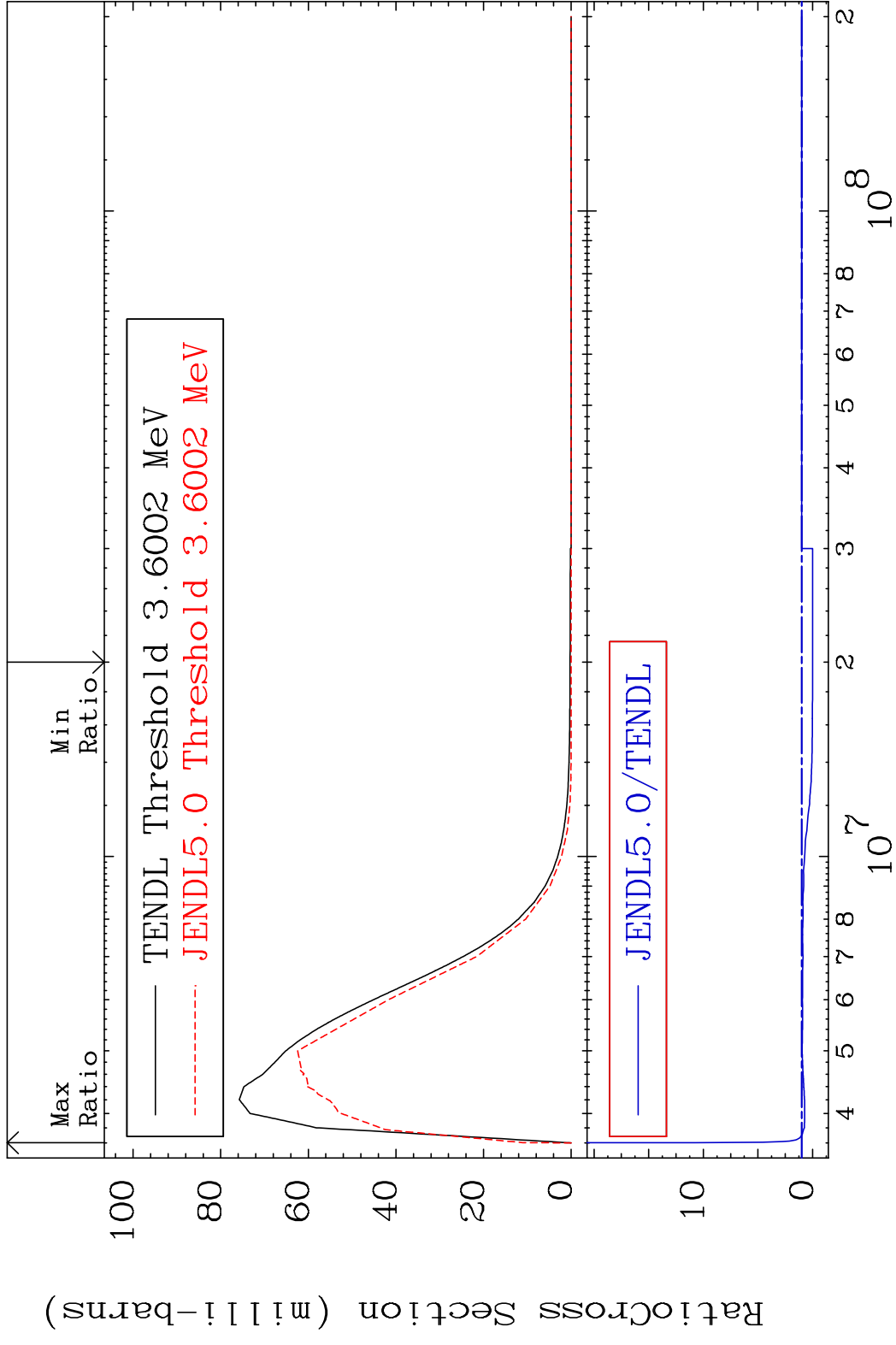
MAT 1837 MT= 55 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 9956. %



MAT 1837 MT= 56 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 14.62 %

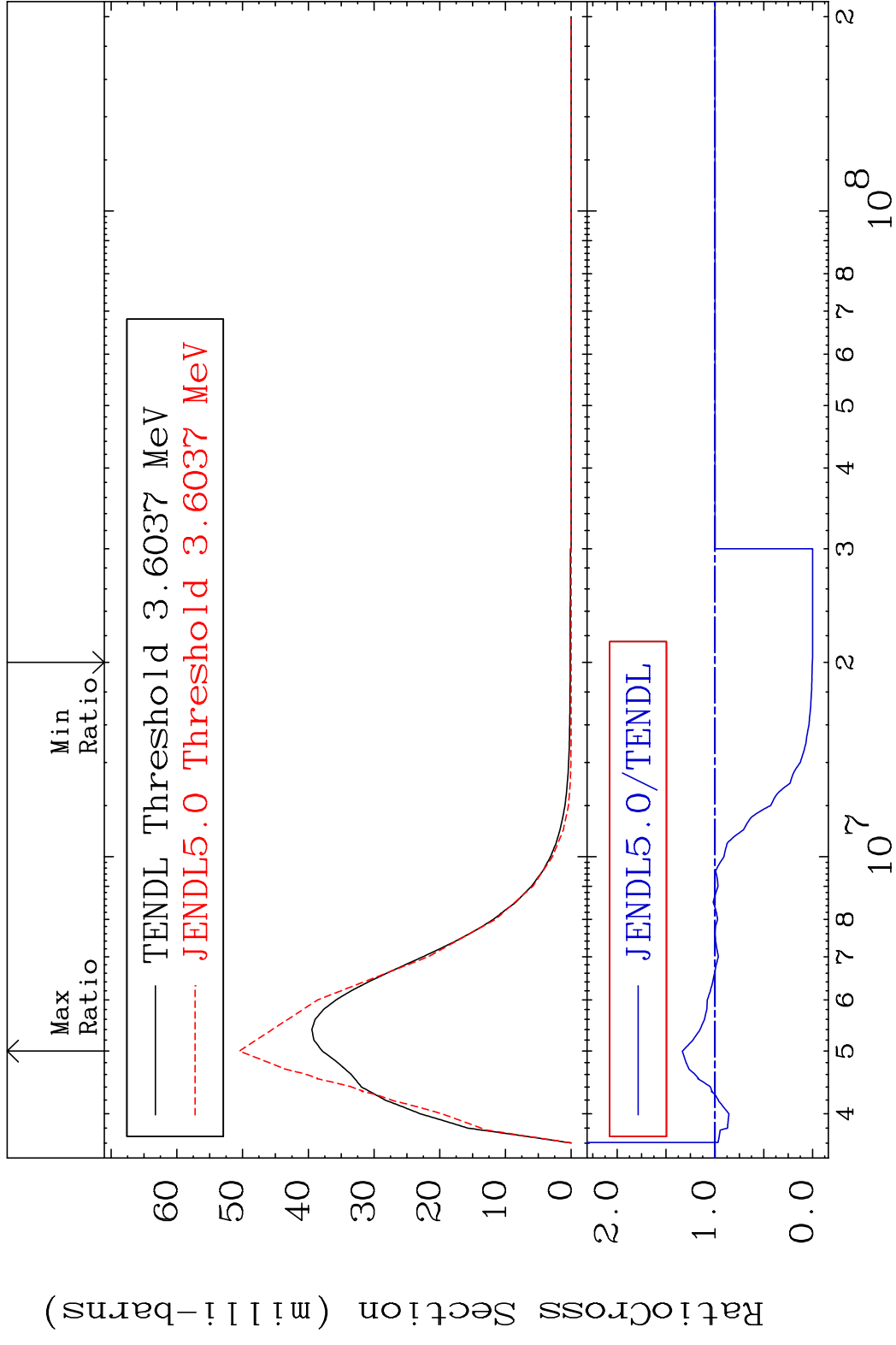


MAT 1837 MT= 57 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 1092. %

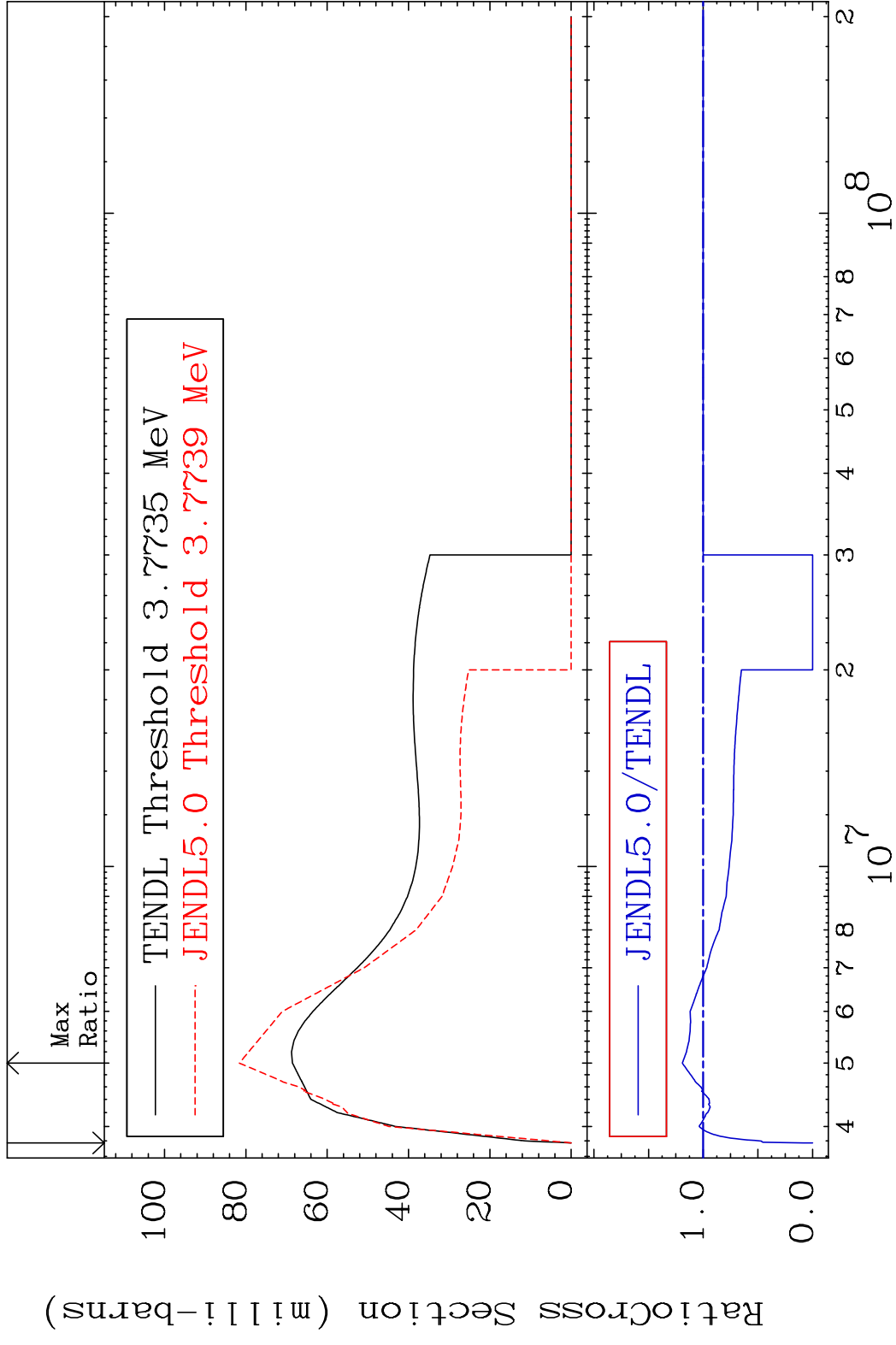


15 Incident Energy (eV) 18-Ar-40

MAT 1837 MT= 58 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 33.31 %

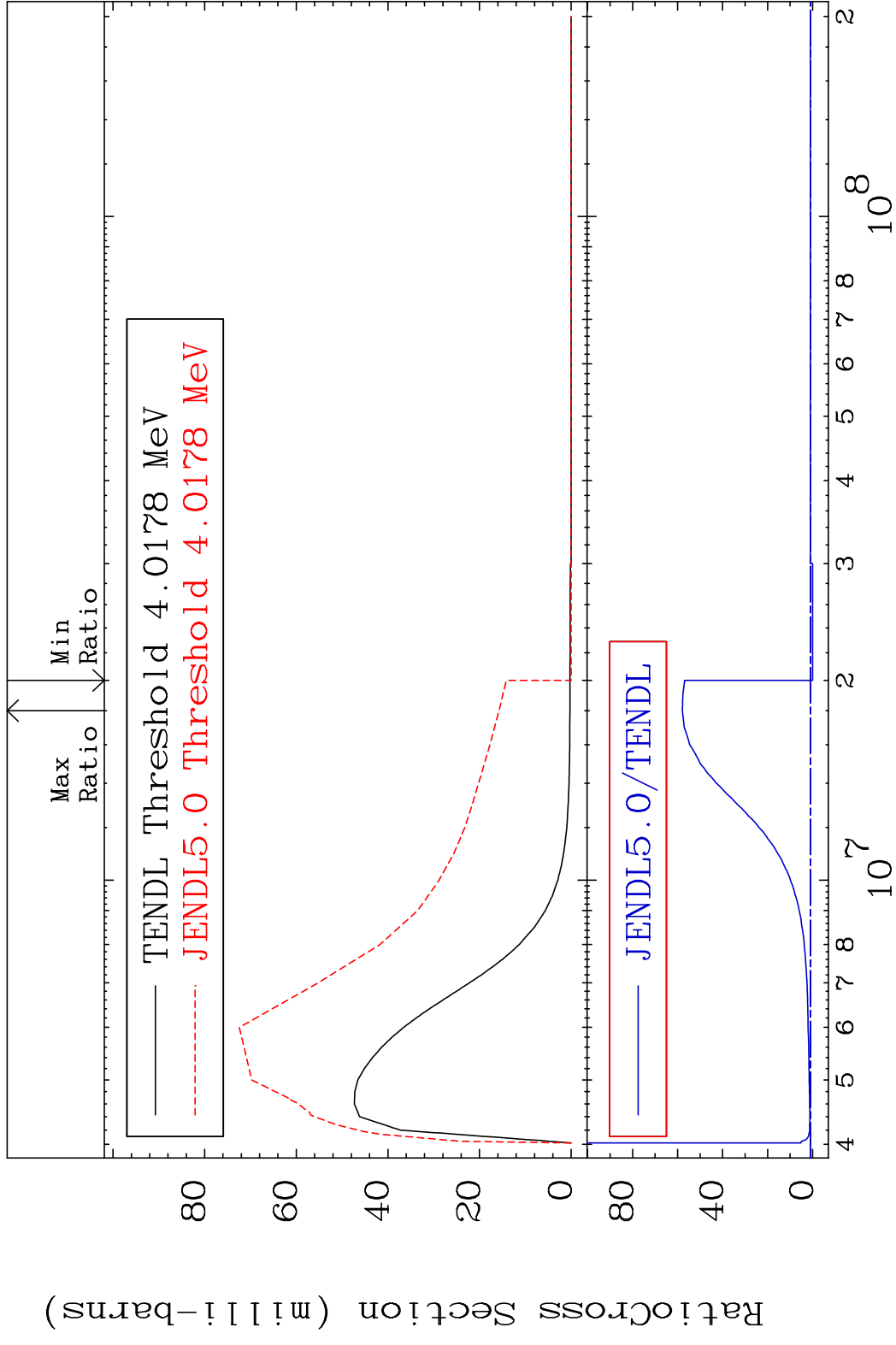


MAT 1837 MT= 59 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 19.07 %



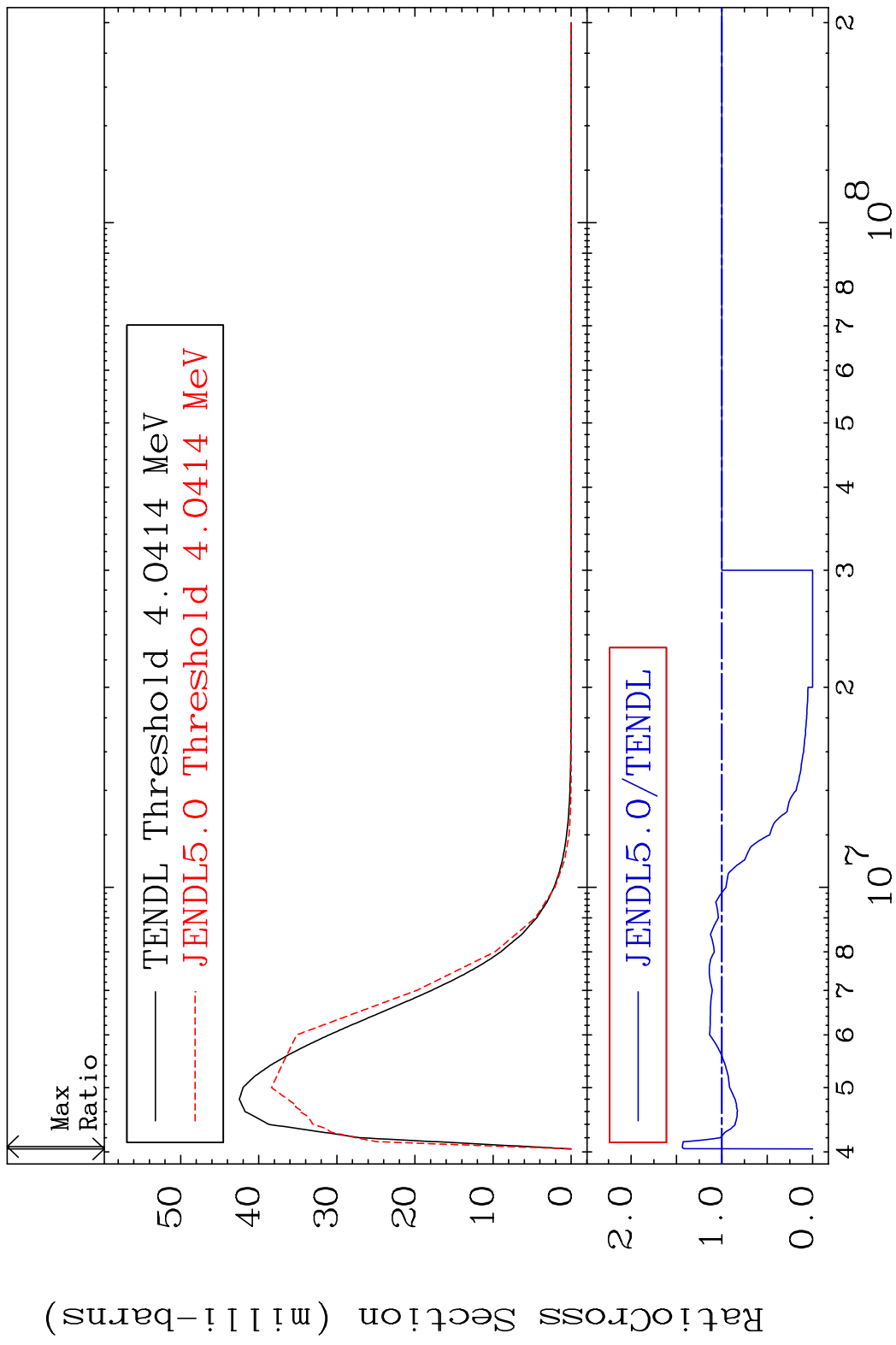
17 Incident Energy (eV) 18-Ar-40

MAT 1837 MT= 60 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 5689. %

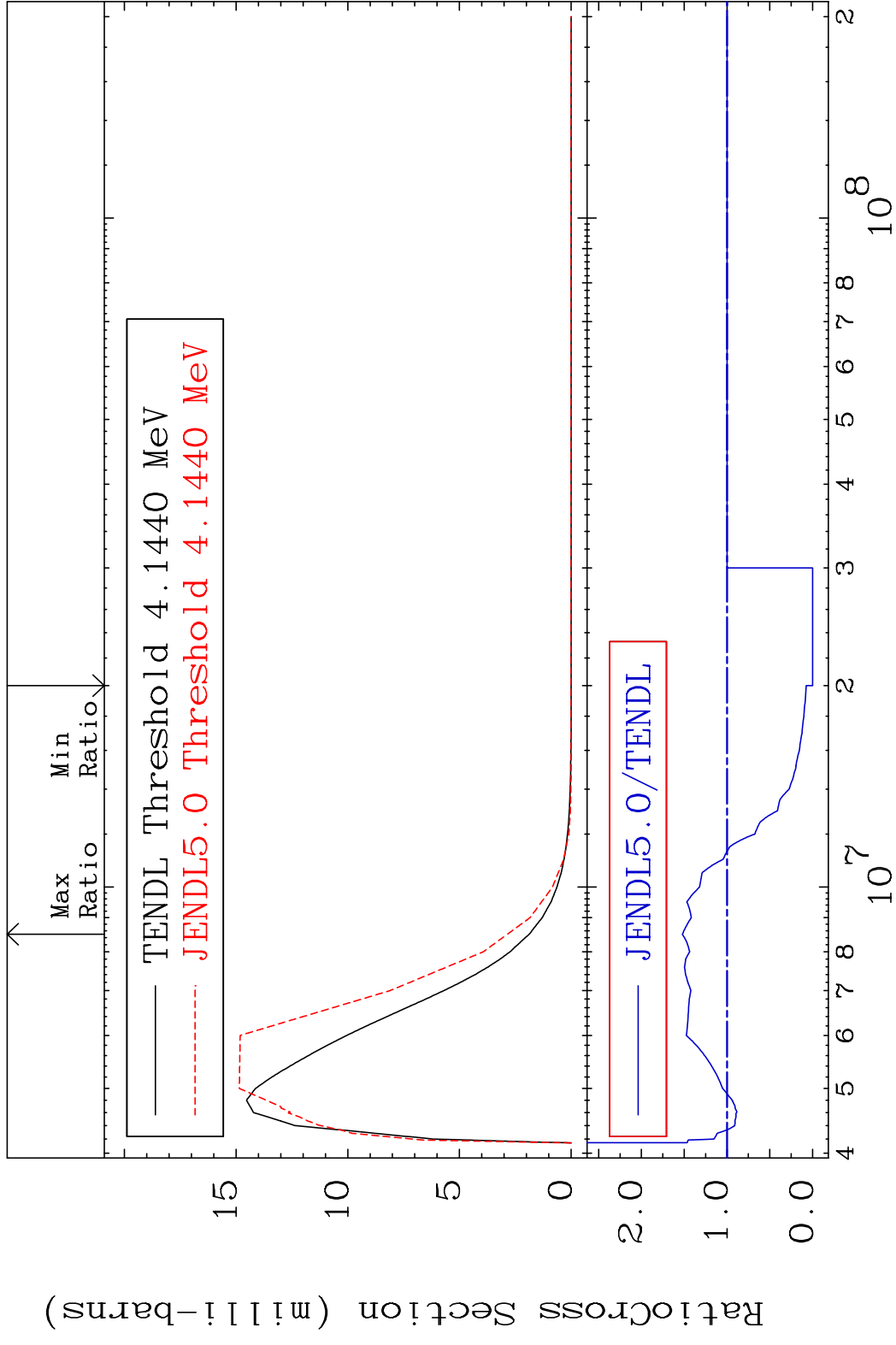


18 Incident Energy (eV) 18-Ar-40

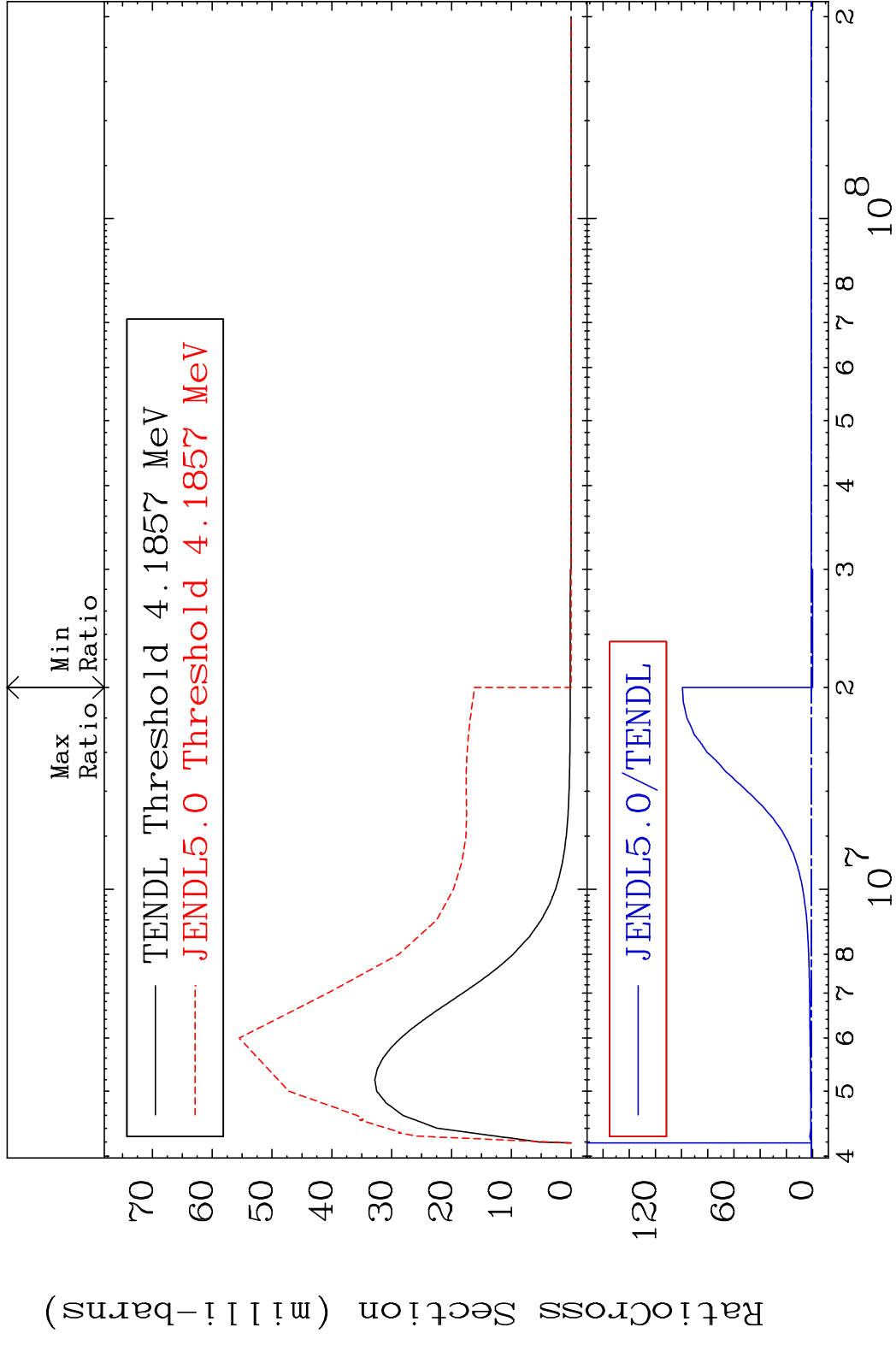
MAT 1837 MT= 61 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 43.54 %



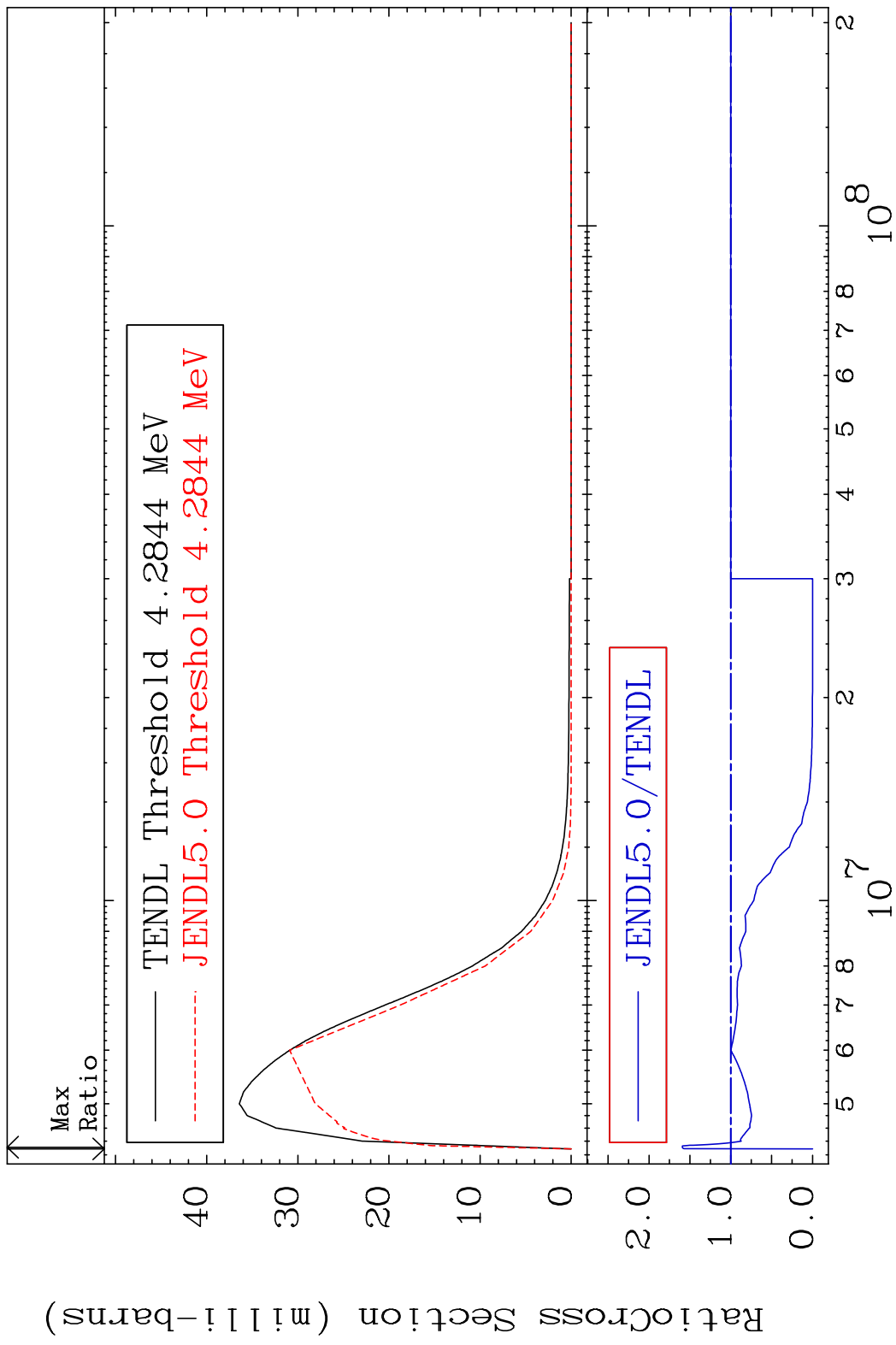
MAT 1837 MT= 62 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 52.18 %



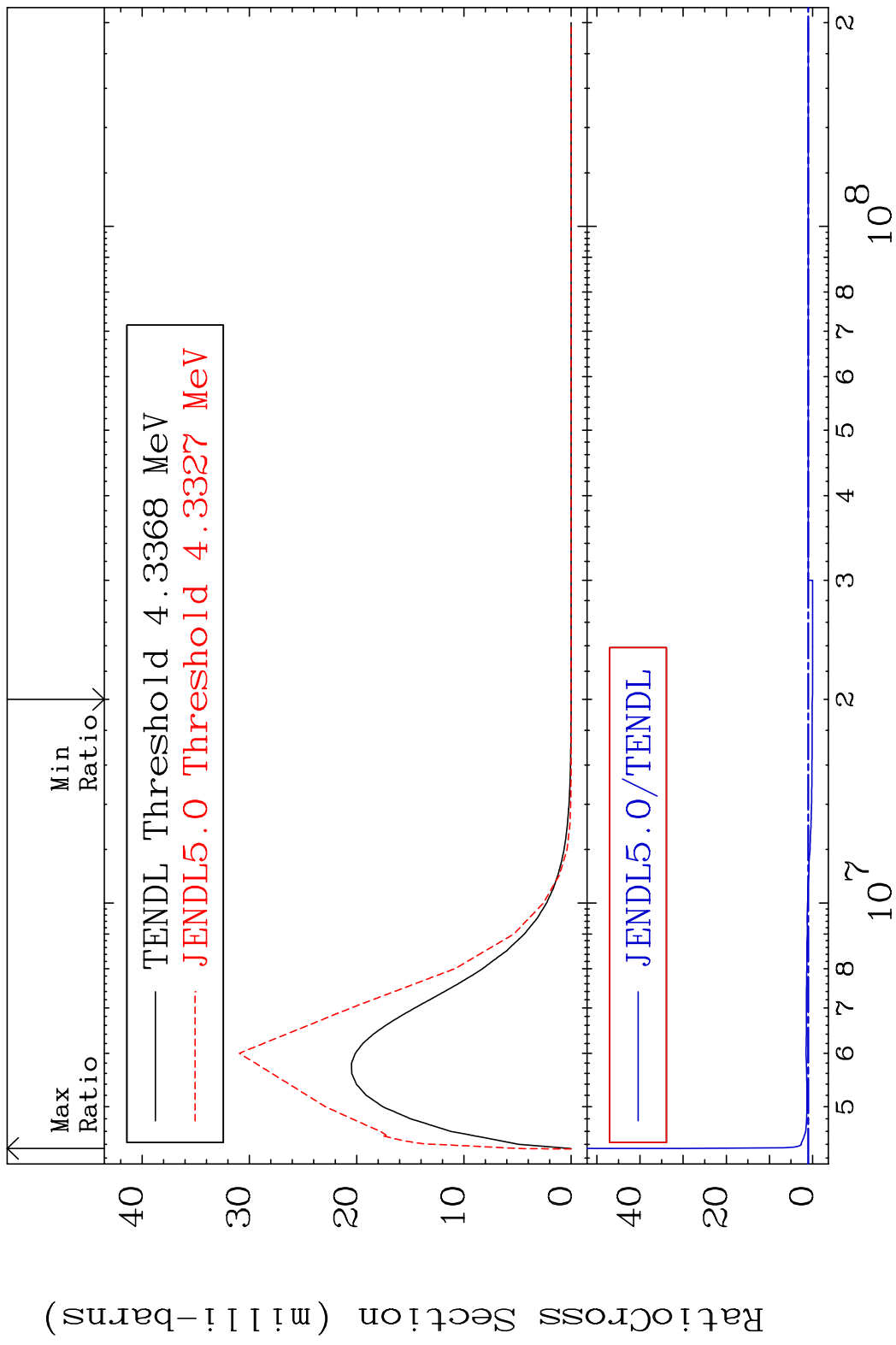
MAT 1837 MT= 63 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 9840. %



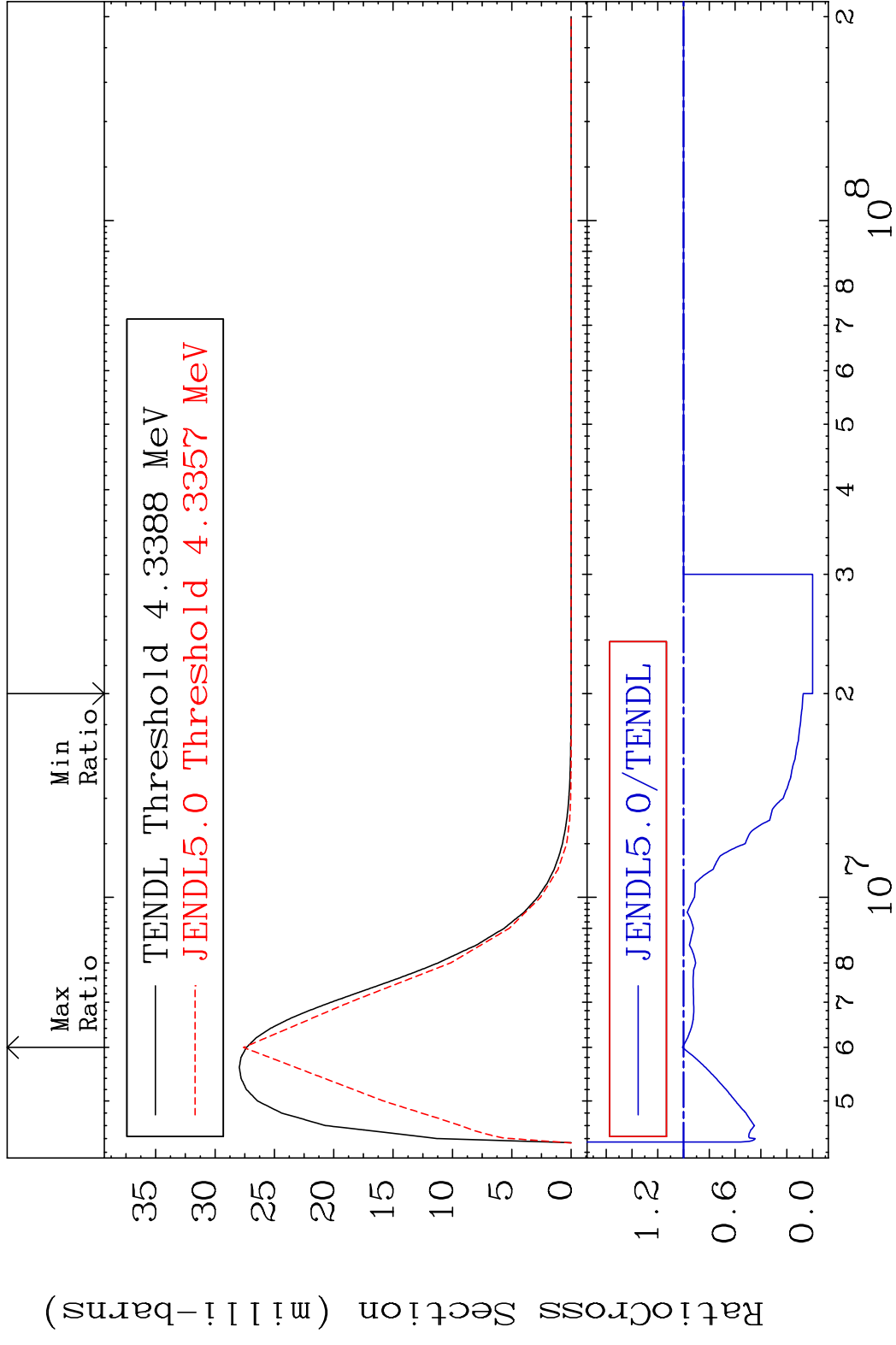
MAT 1837 MT= 64 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 59.22 %



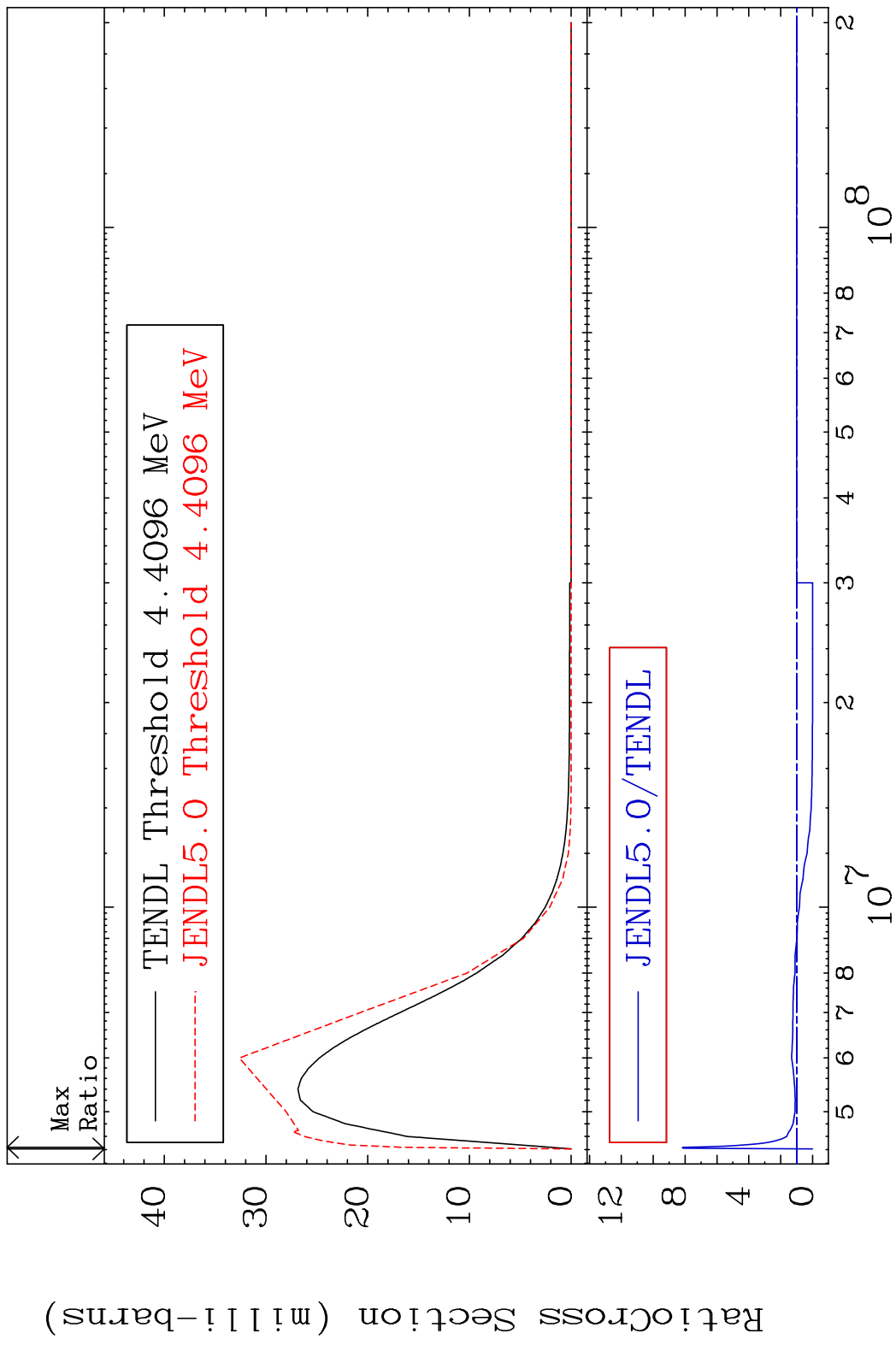
MAT 1837 MT= 65 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 2919. %



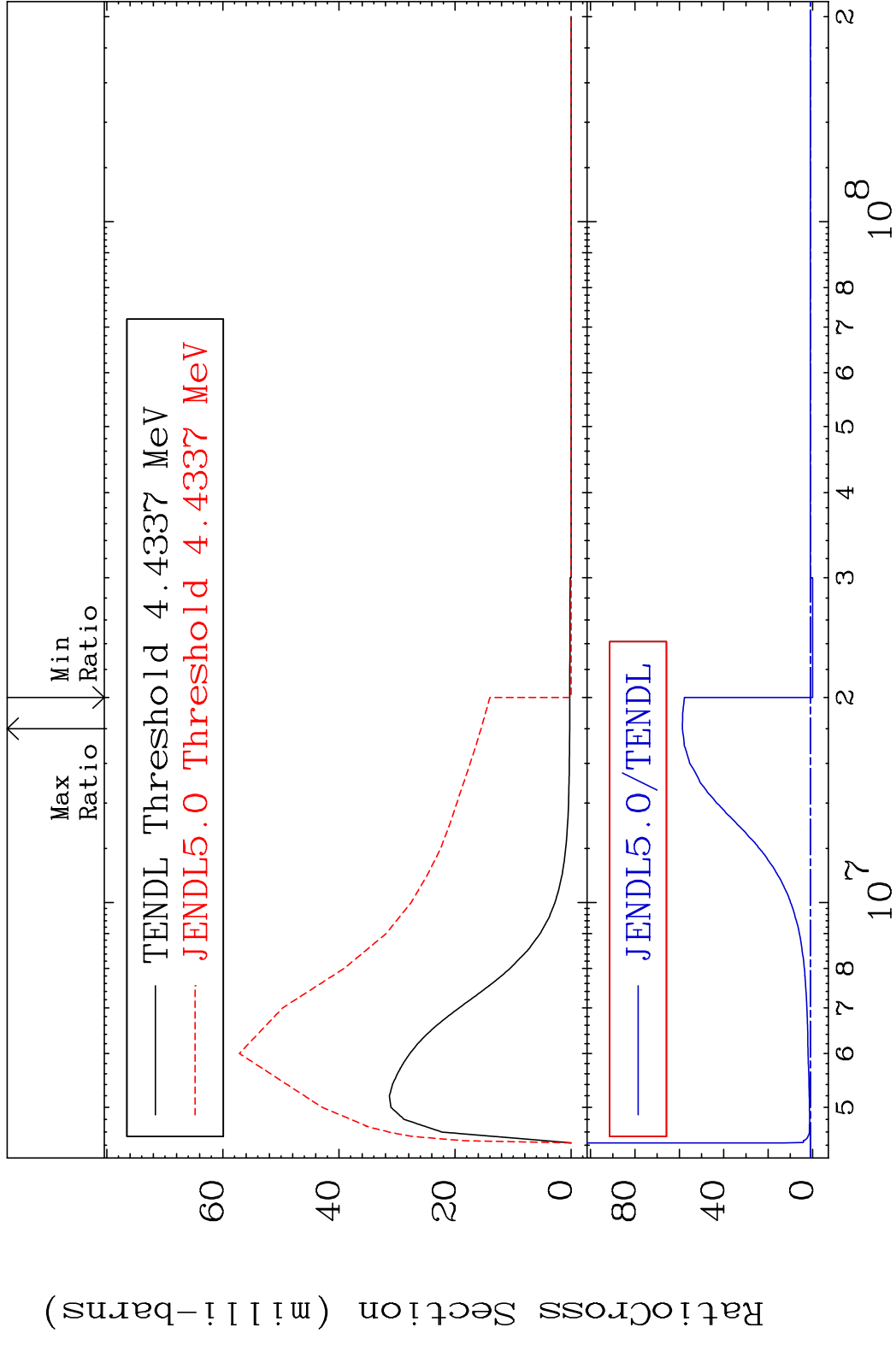
MAT 1837 MT= 66 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 0.914 %



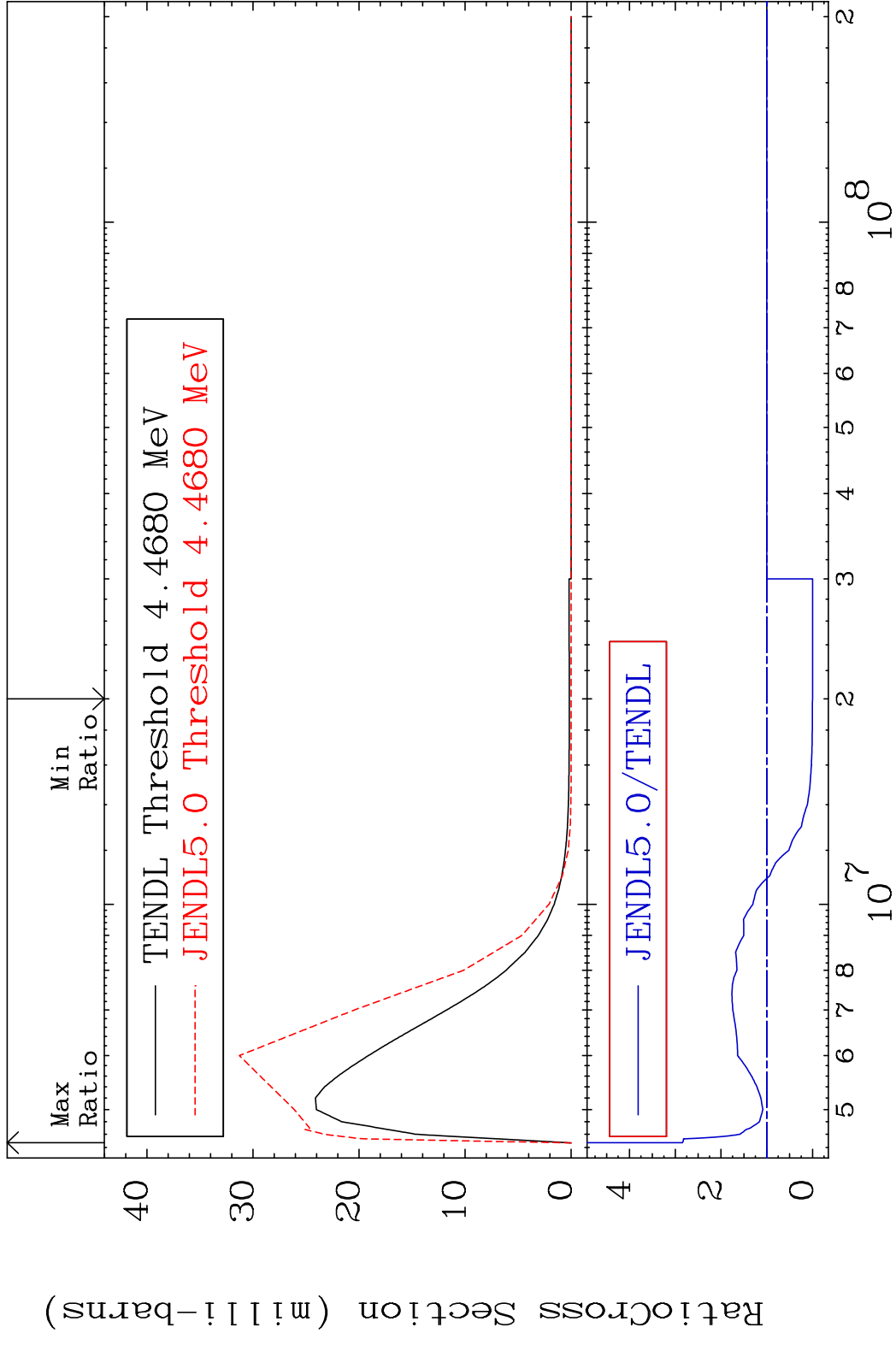
MAT 1837 MT= 67 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 717.2 %



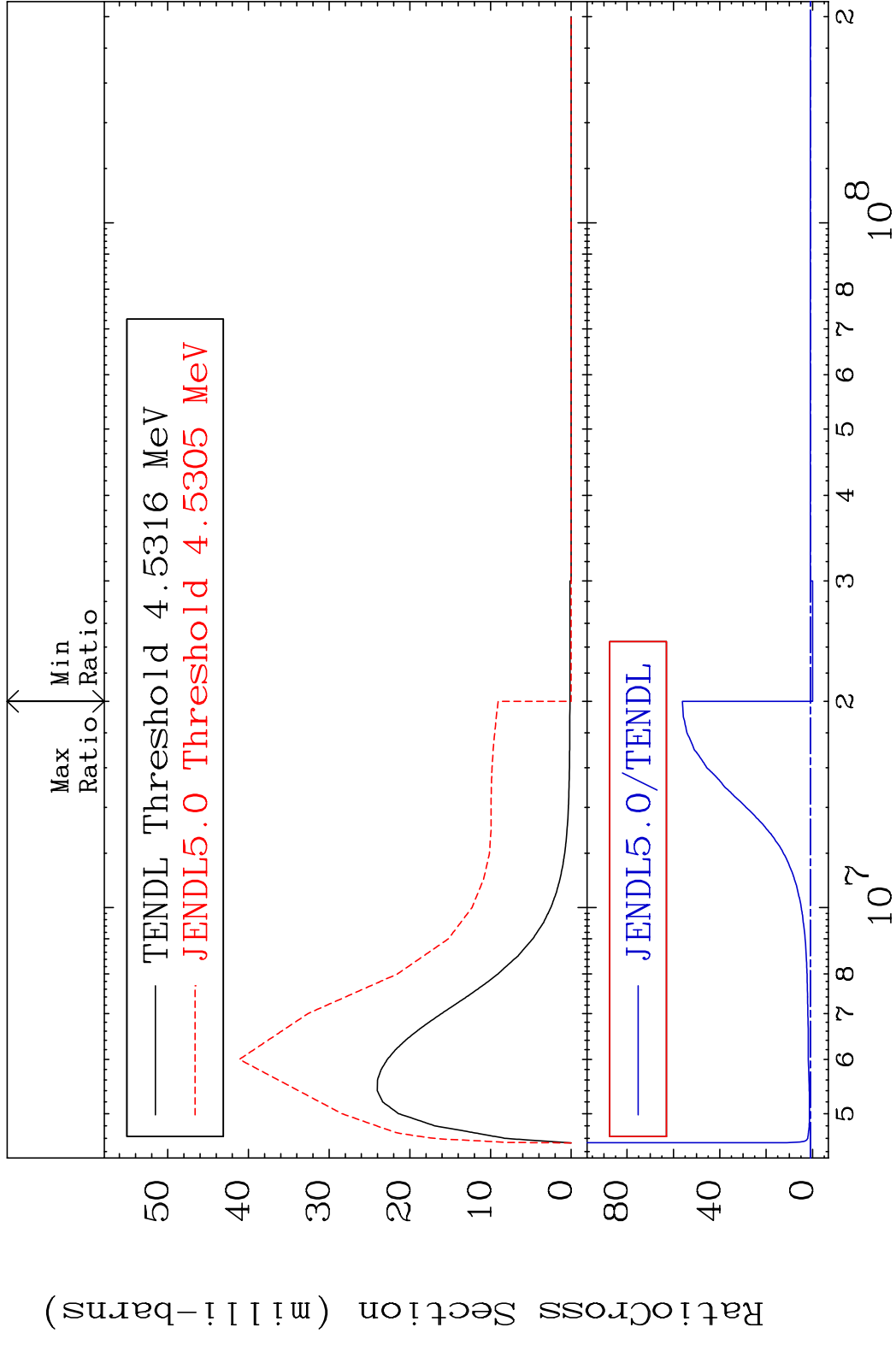
MAT 1837 MT= 68 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 5766. %



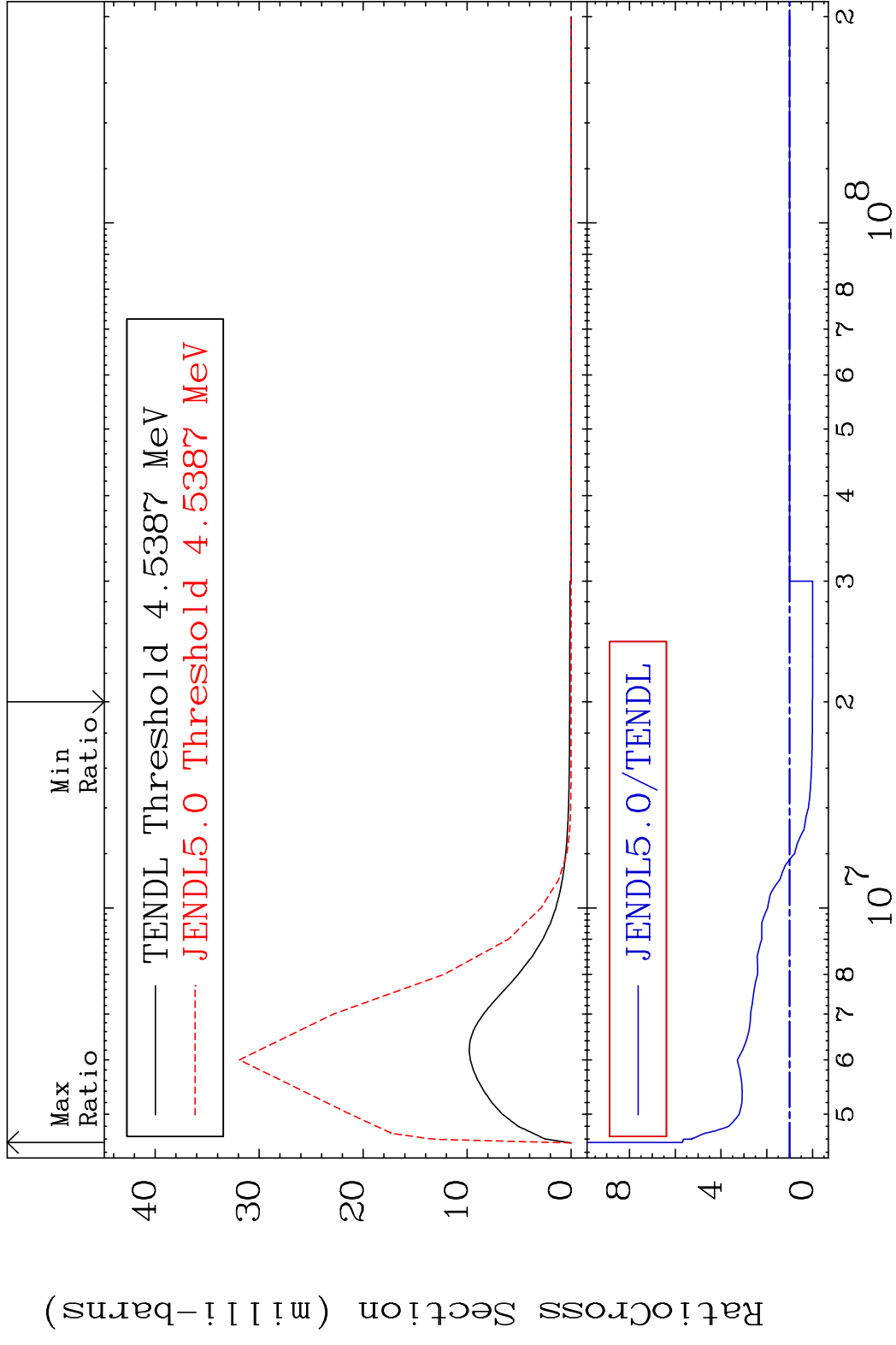
MAT 1837 MT= 69 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 184.5 %



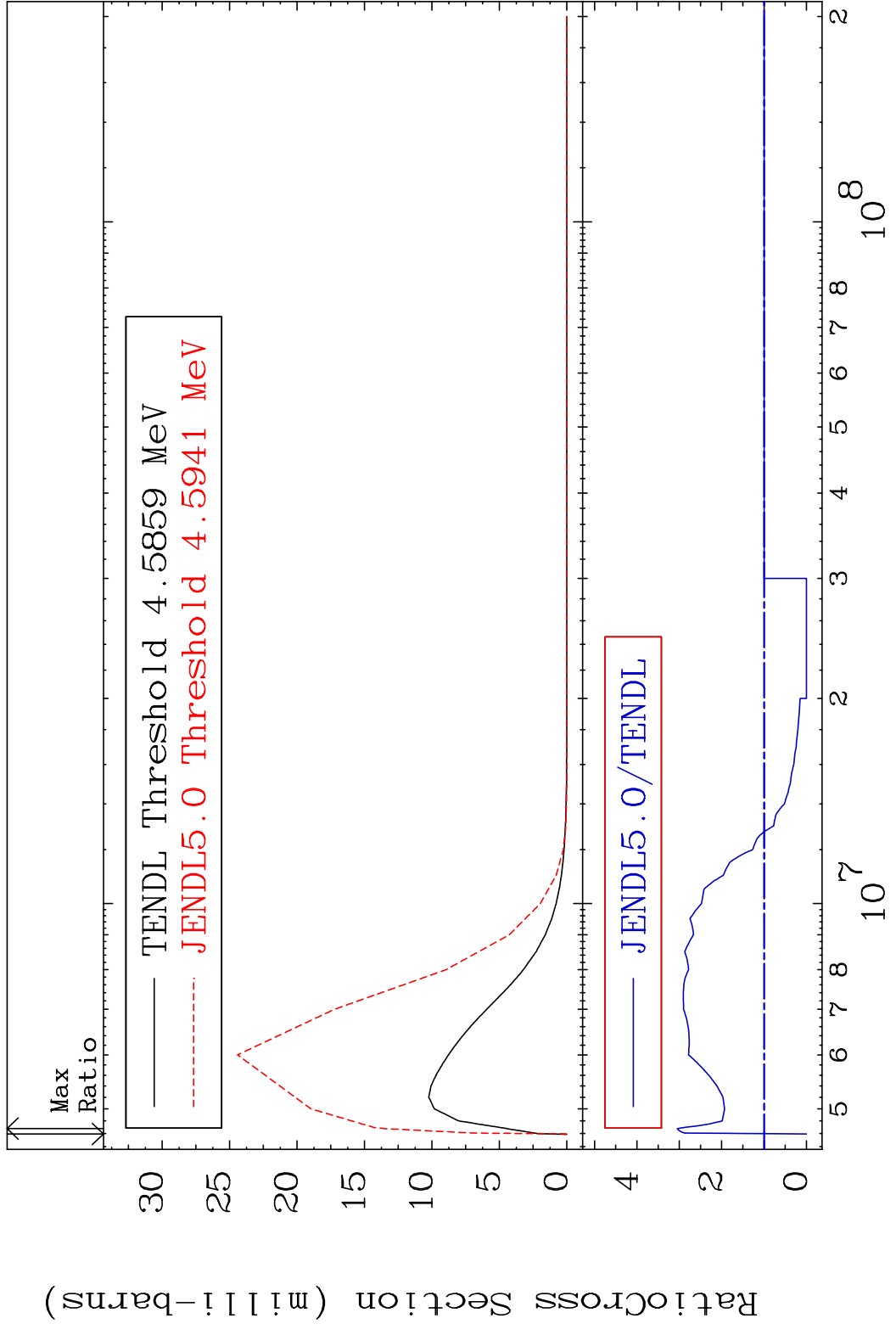
MAT 1837 MT= 70 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 5515. %



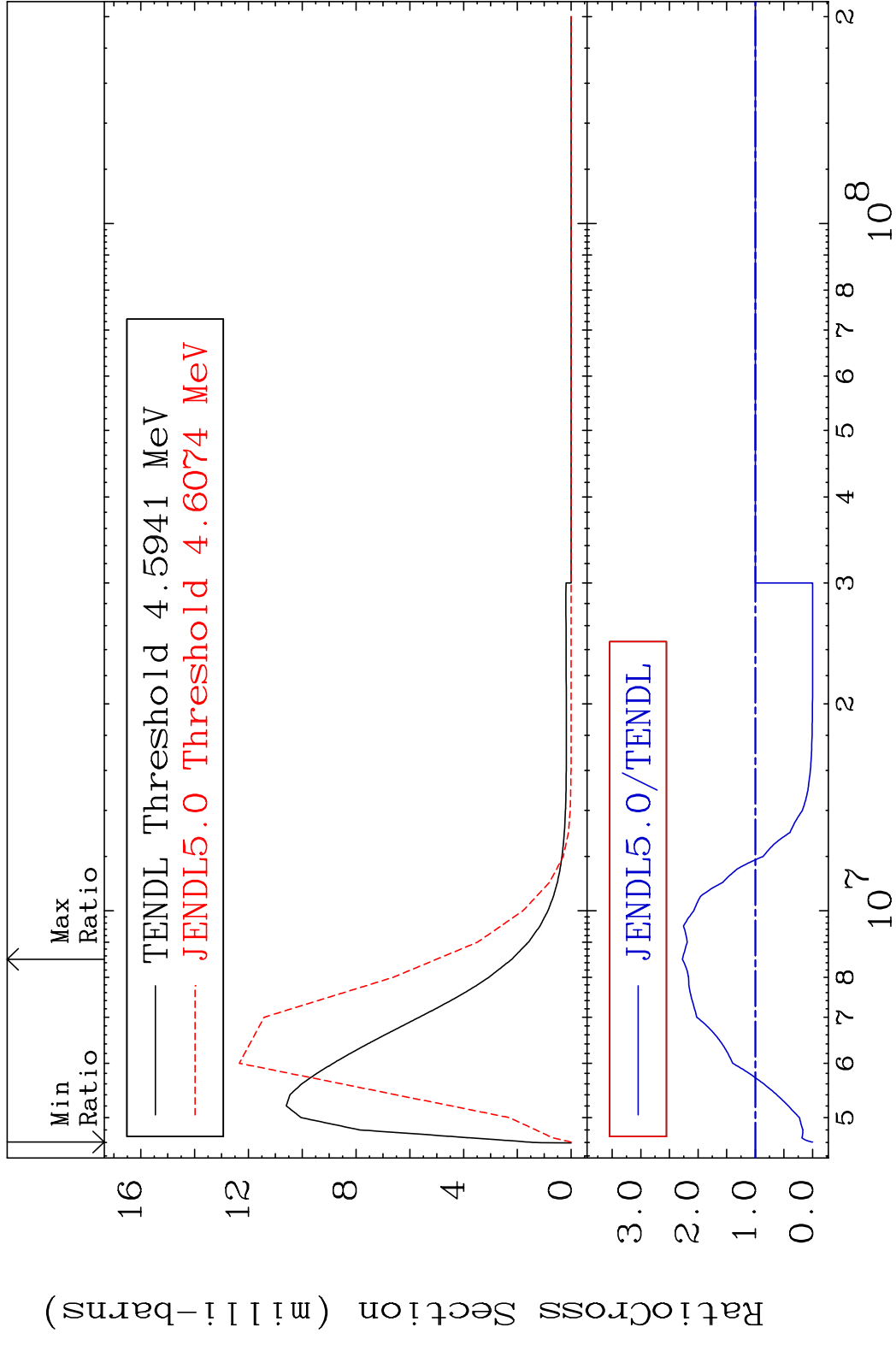
MAT 1837 MT= 71 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 469.0 %



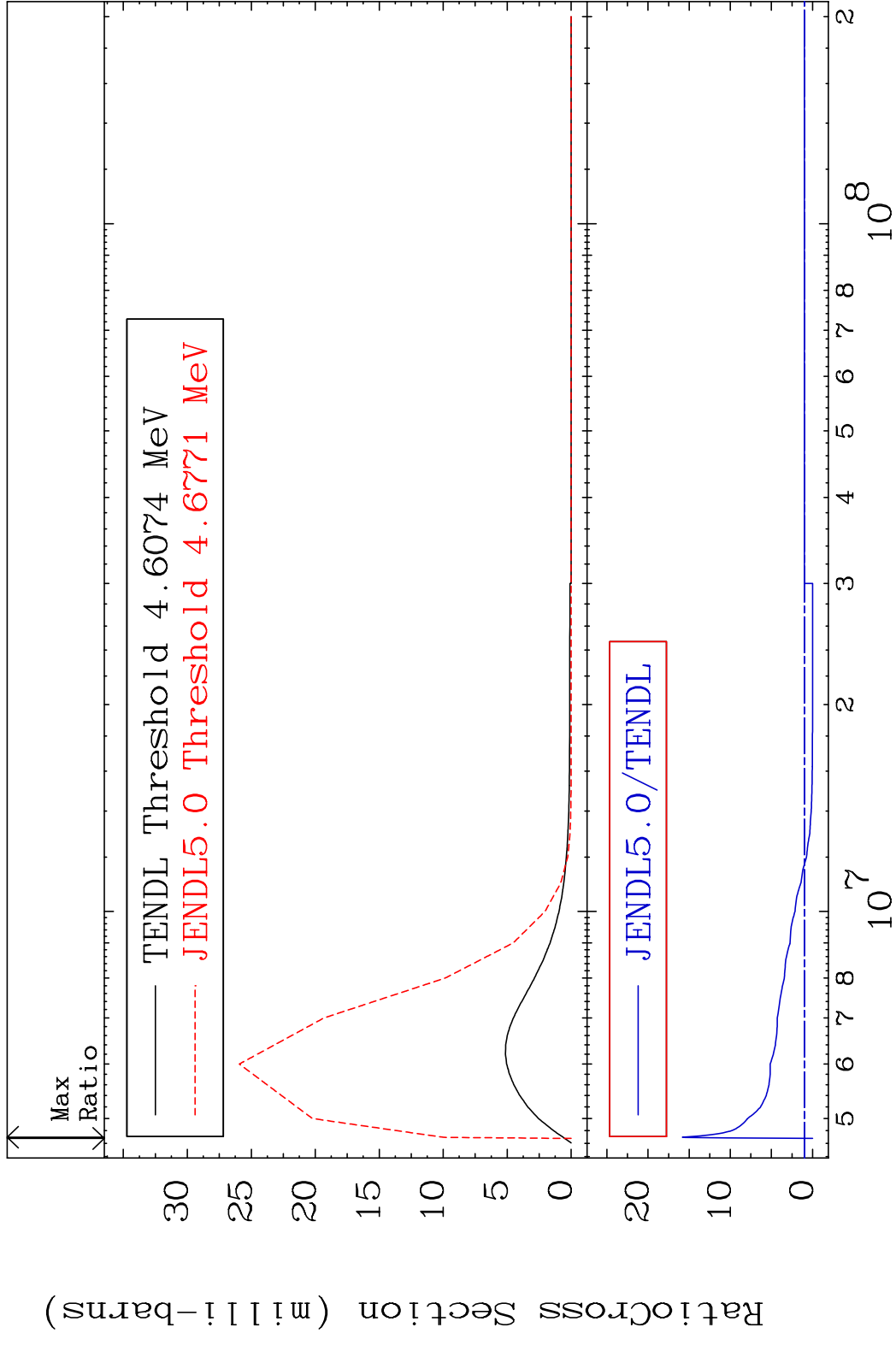
MAT 1837 MT= 72 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 205.0 %



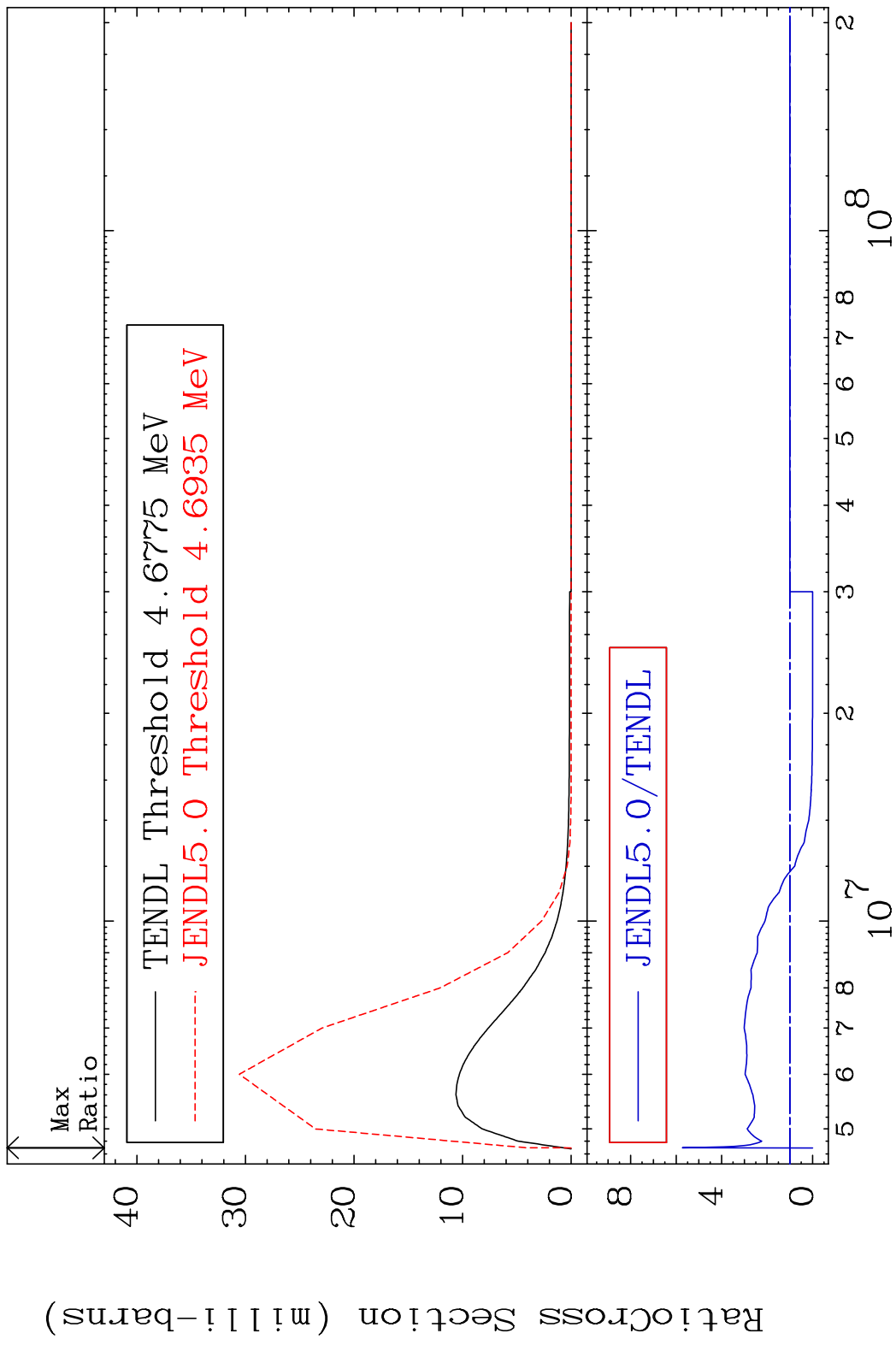
MAT 1837 MT= 73 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 127.4 %



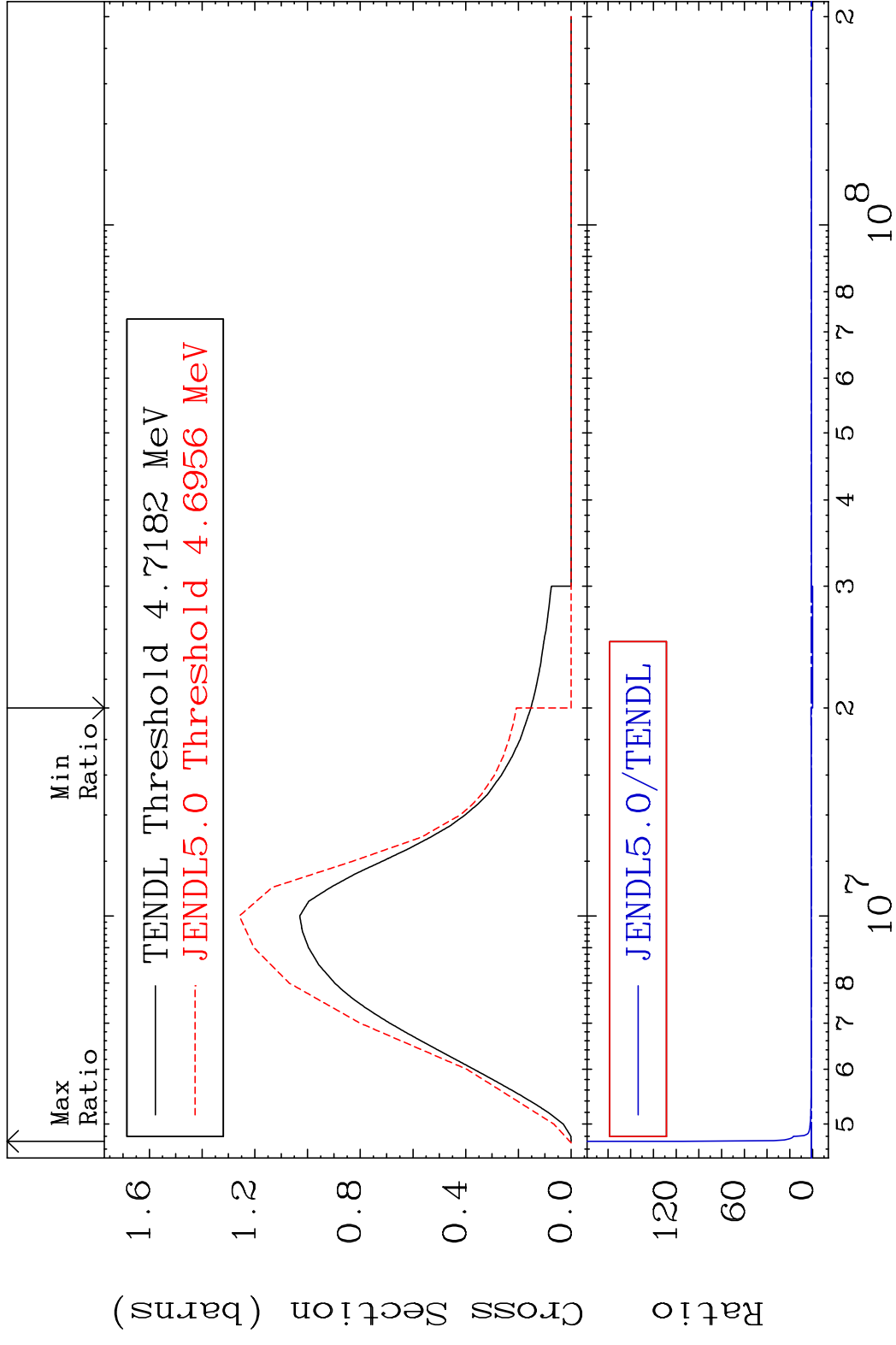
MAT 1837 MT= 74 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 1483. %



MAT 1837 MT= 75 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 472.8 %



MAT 1837 (n,n') Continuum 18-Ar-40
 Cross Section -100.0 To 9999. %

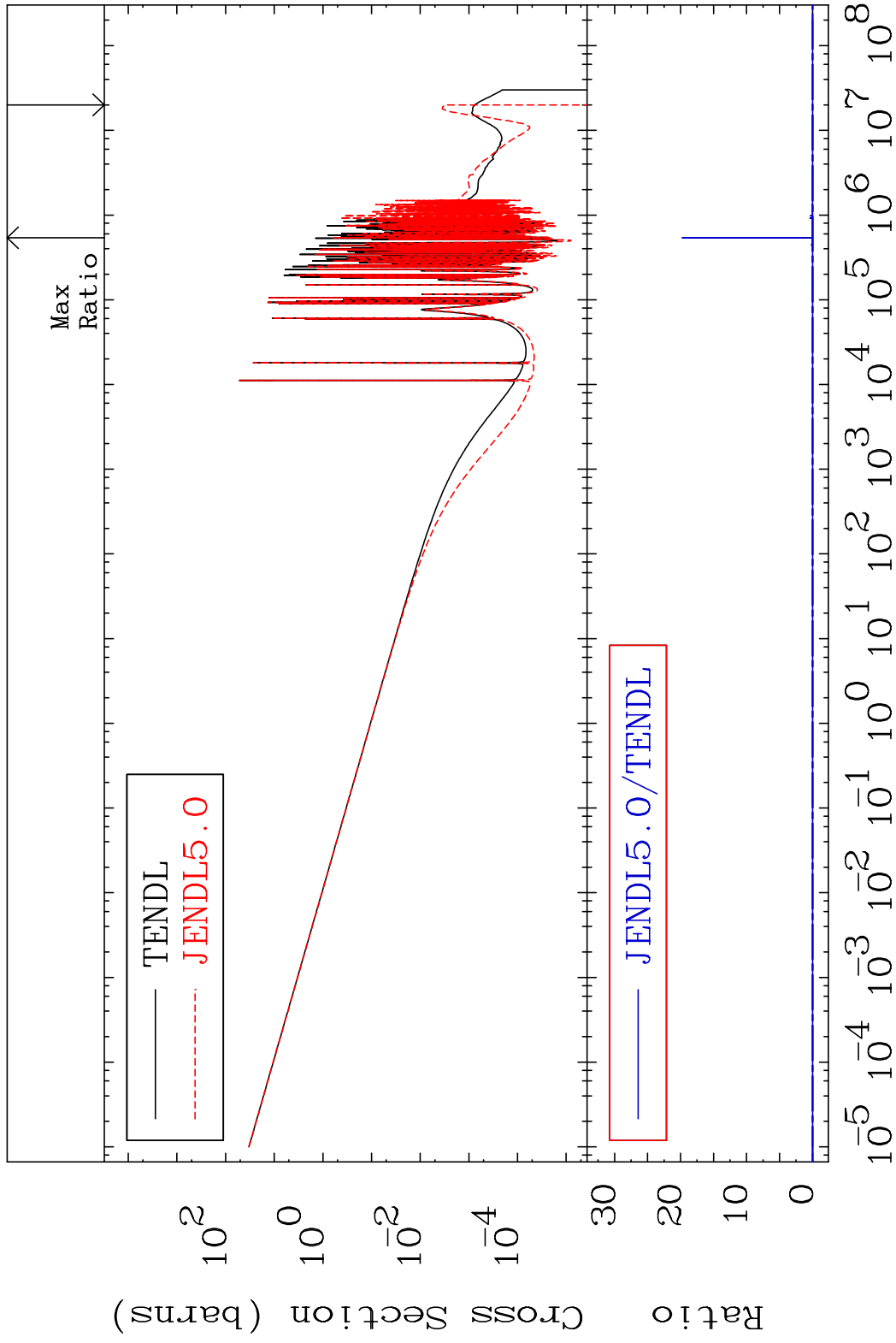


MAT 1837

(n, γ)

18-Ar-40

Cross Section -100.0 To 9999. %

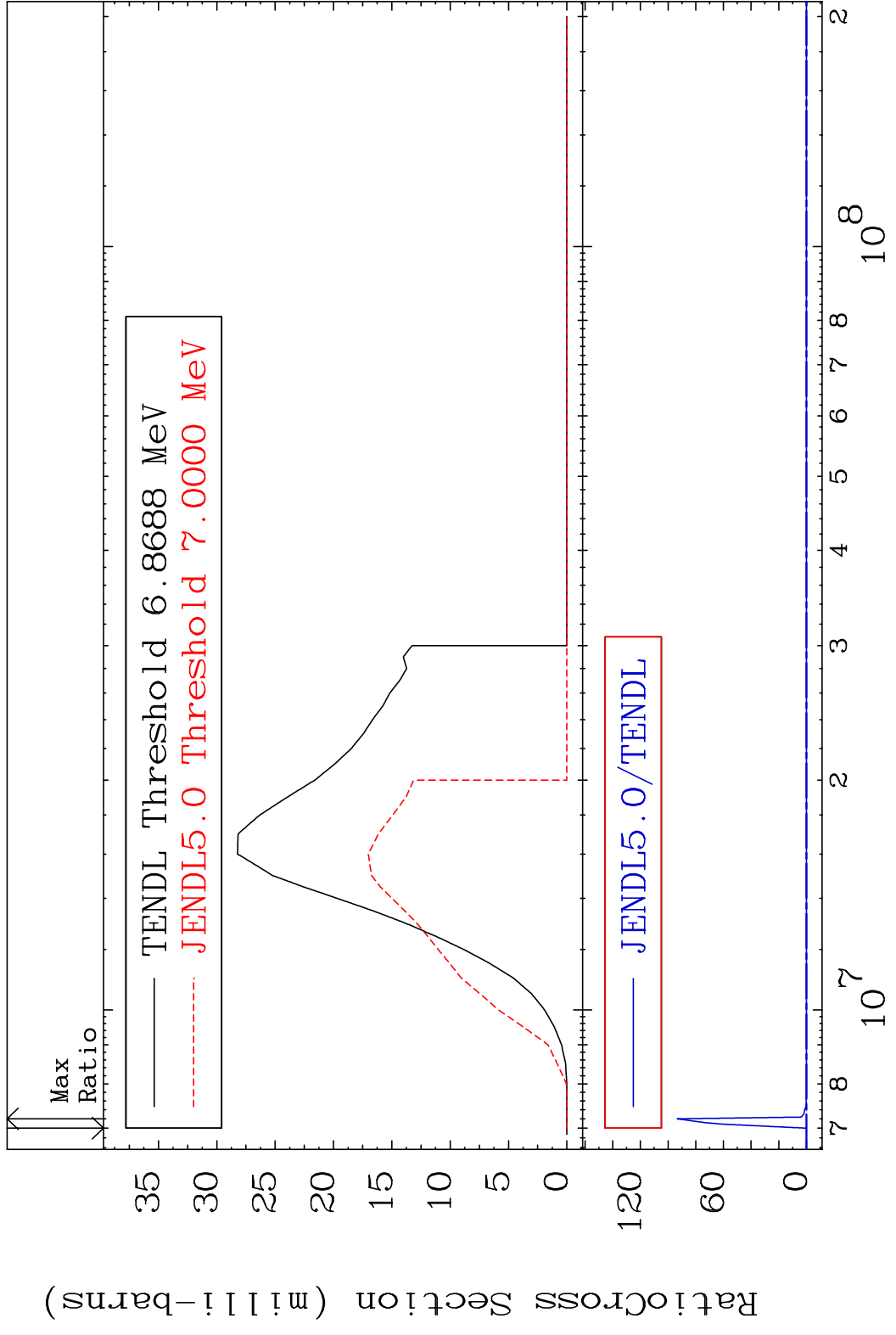


35

Incident Energy (eV)

18-Ar-40

MAT 1837 (n,p) 18-Ar-40
 Cross Section -100.0 To 9999. %

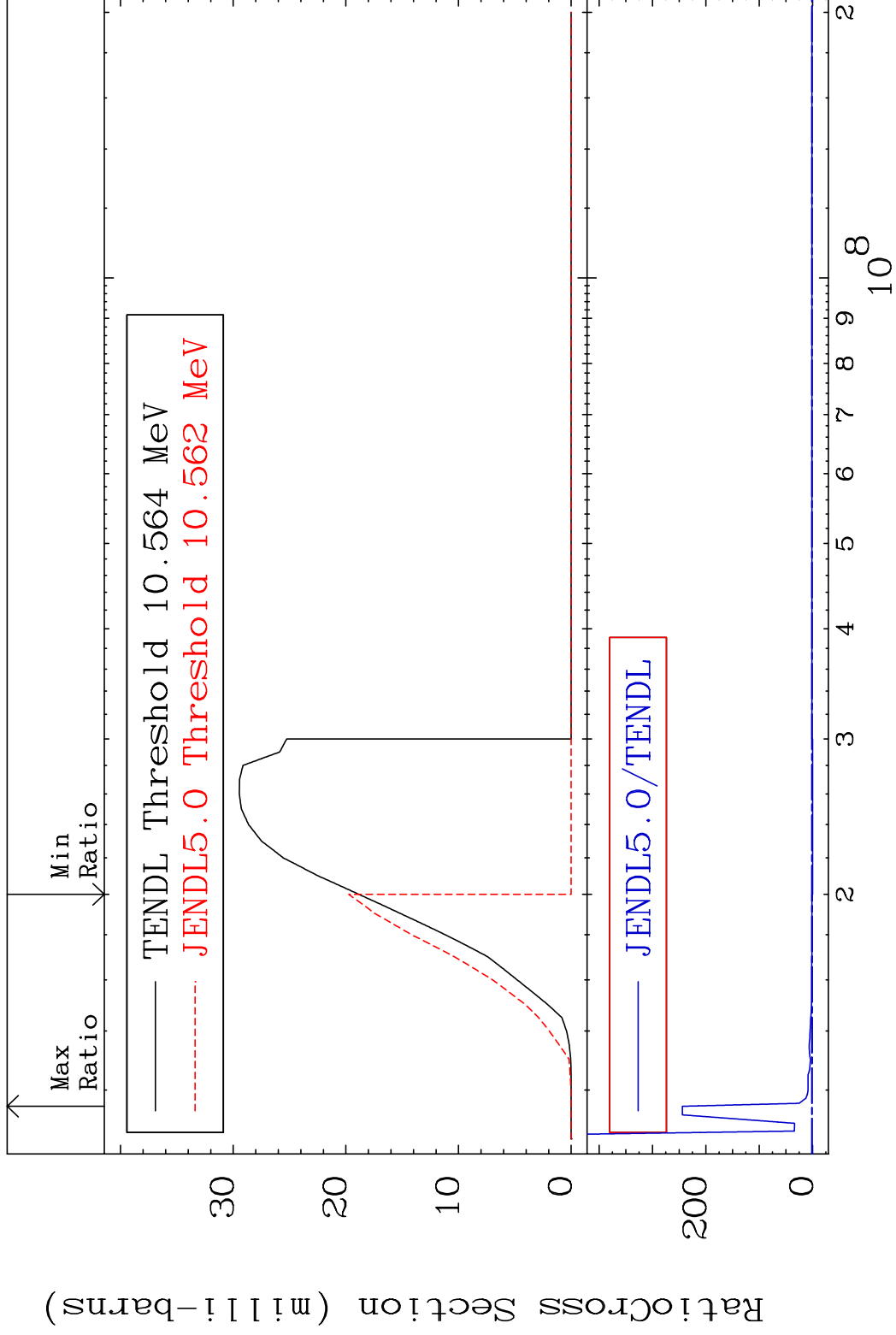


MAT 1837

(n, d)

18-Ar-40

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

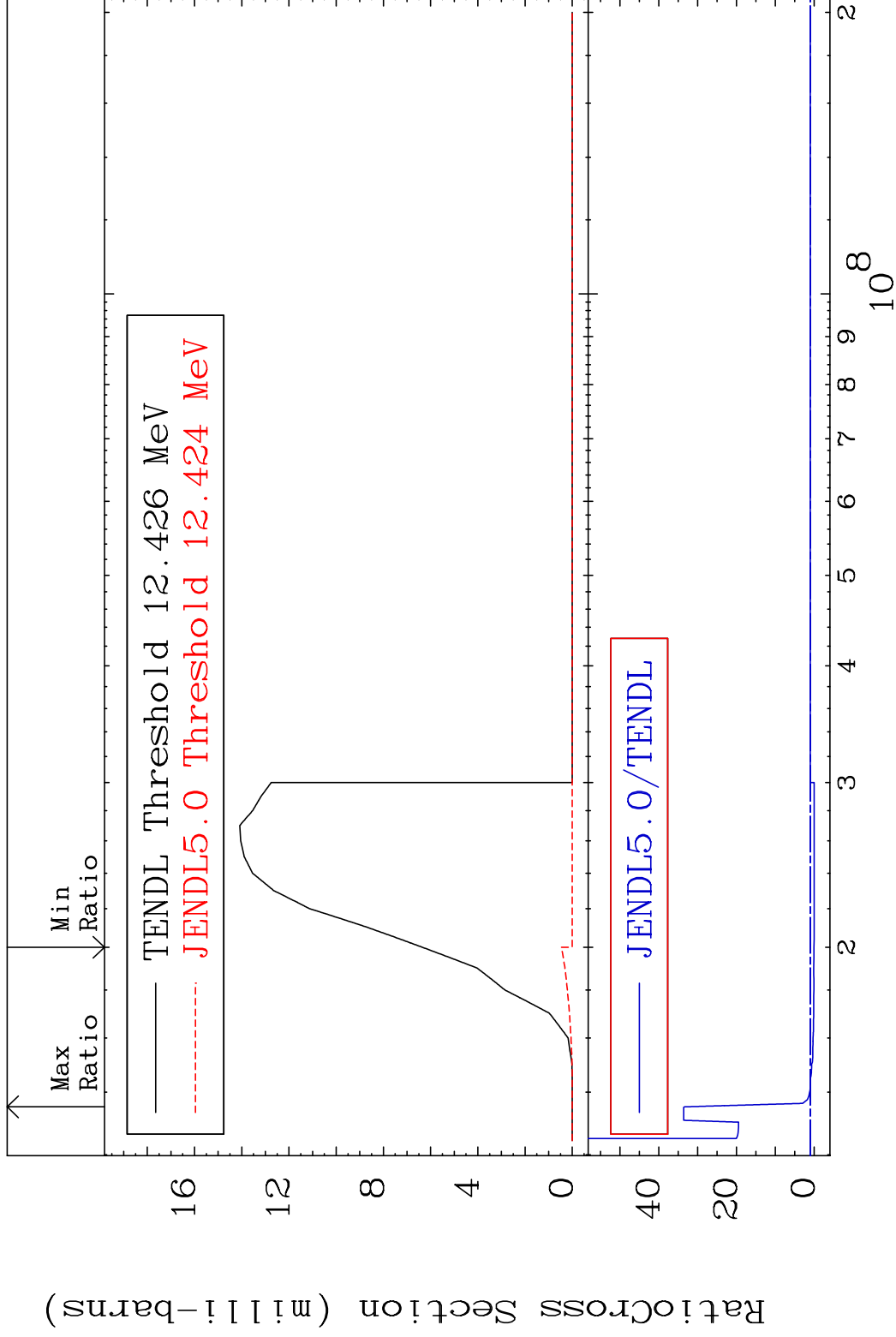
18-Ar-40

MAT 1837

(n, t)

18-Ar-40

Cross Section -100.0 To 3261. %



38

Incident Energy (eV)

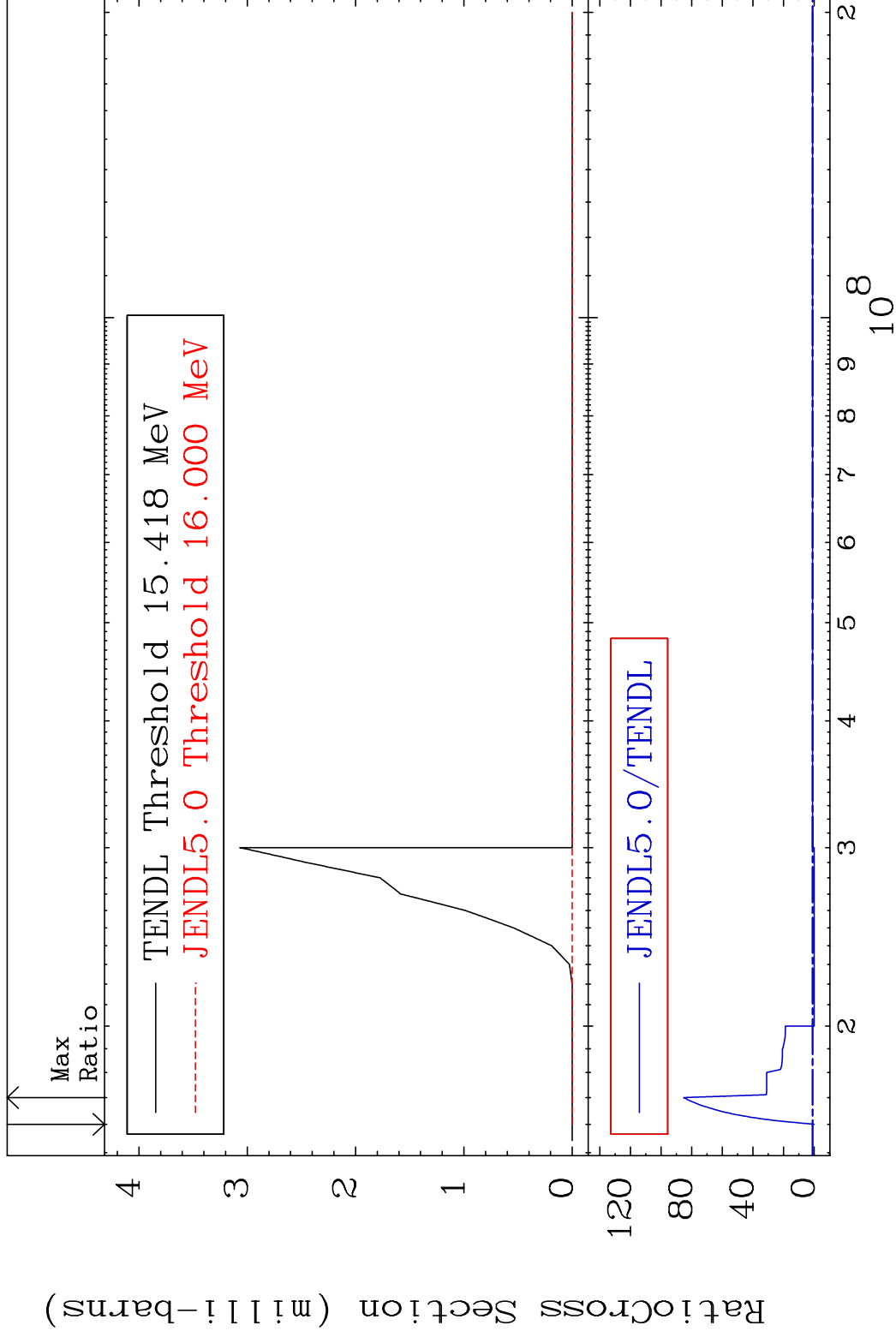
18-Ar-40

MAT 1837

(n, He-3)

18-Ar-40

Cross Section -100.0 To 8427. %

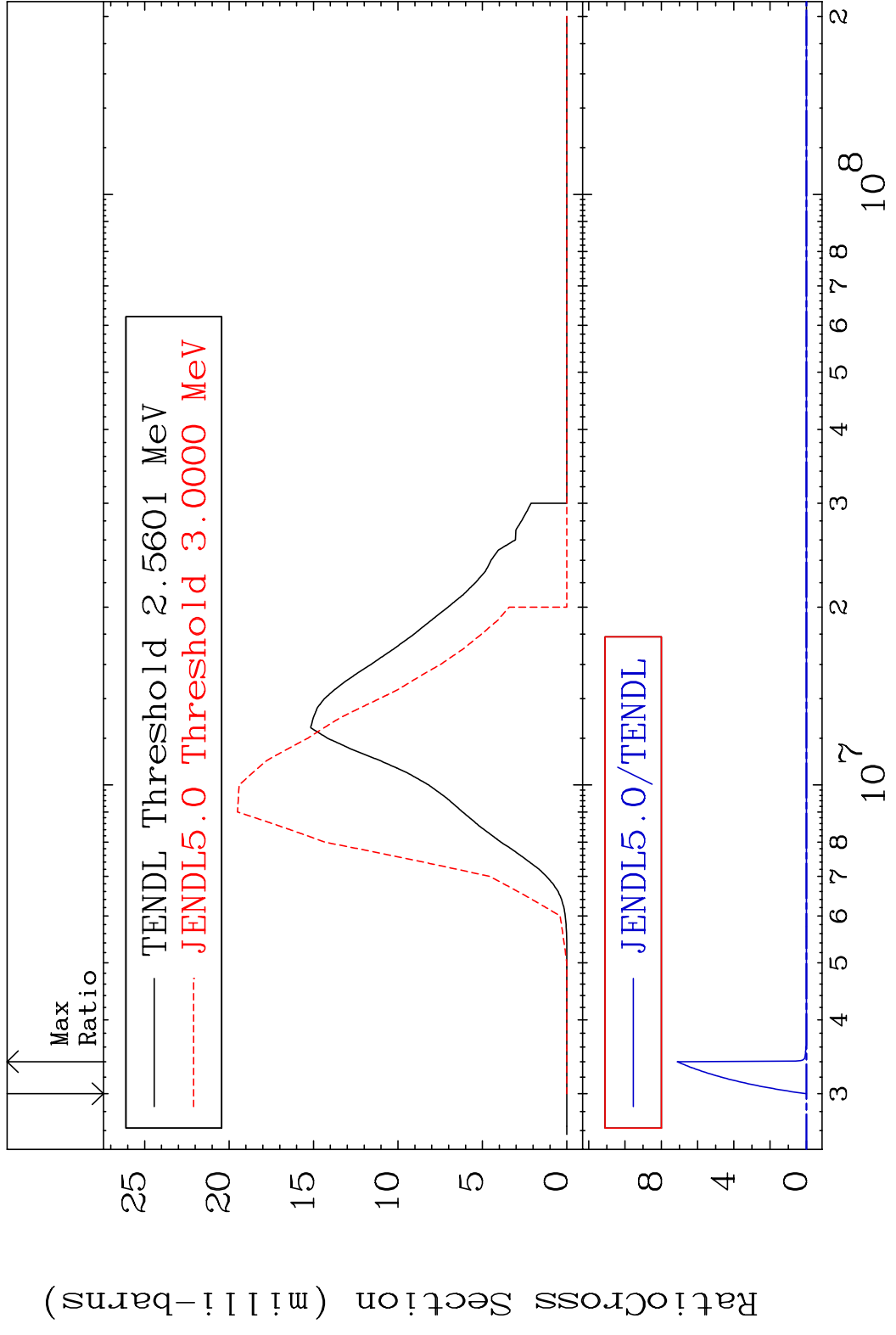


39

Incident Energy (eV)

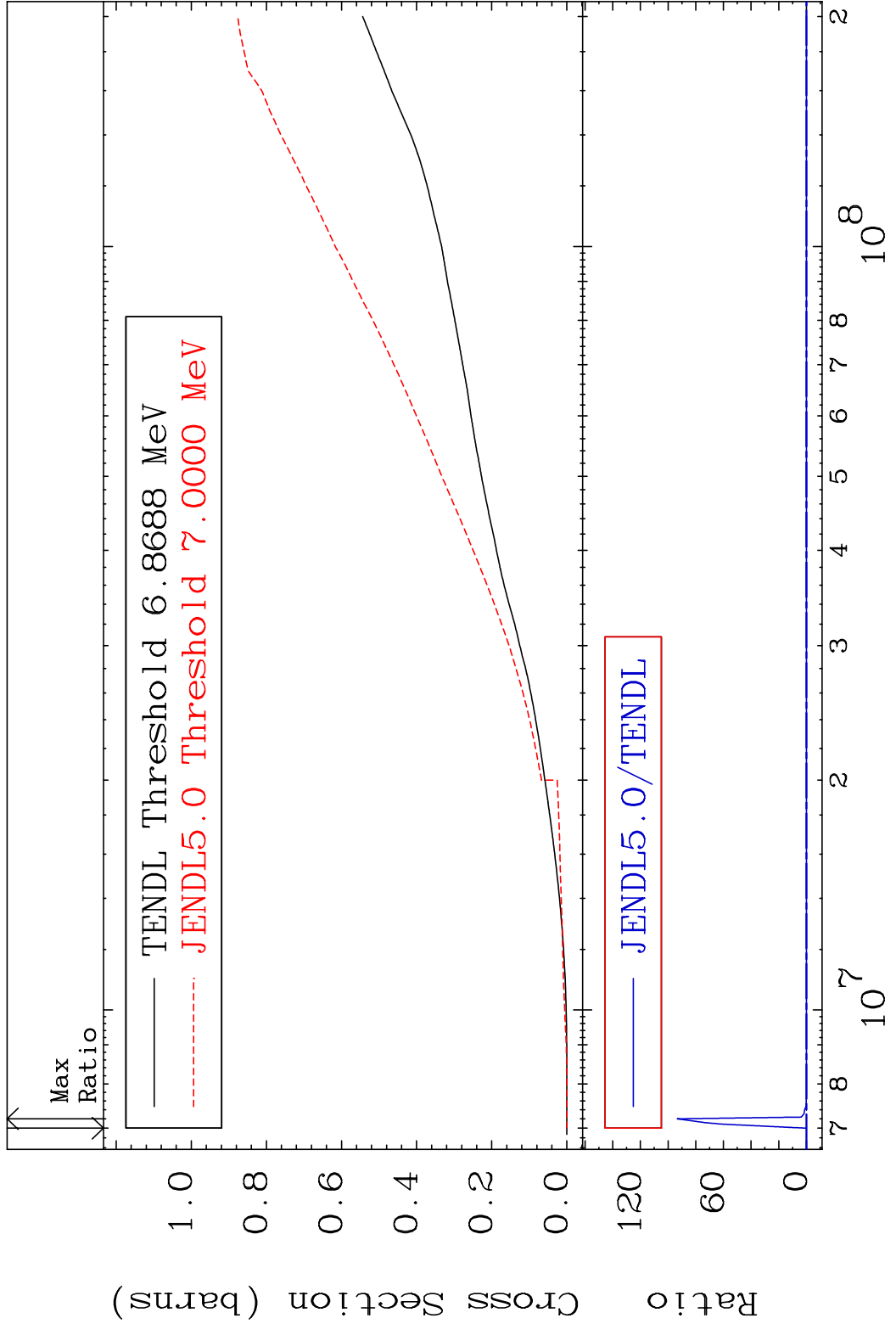
18-Ar-40

MAT 1837 (n, α) 18-Ar-40
 Cross Section -100.0 To 9999. %



40 18-Ar-40

MAT 1837 Hydrogen Production 18-Ar-40
 Cross Section -100.0 To 9999. %



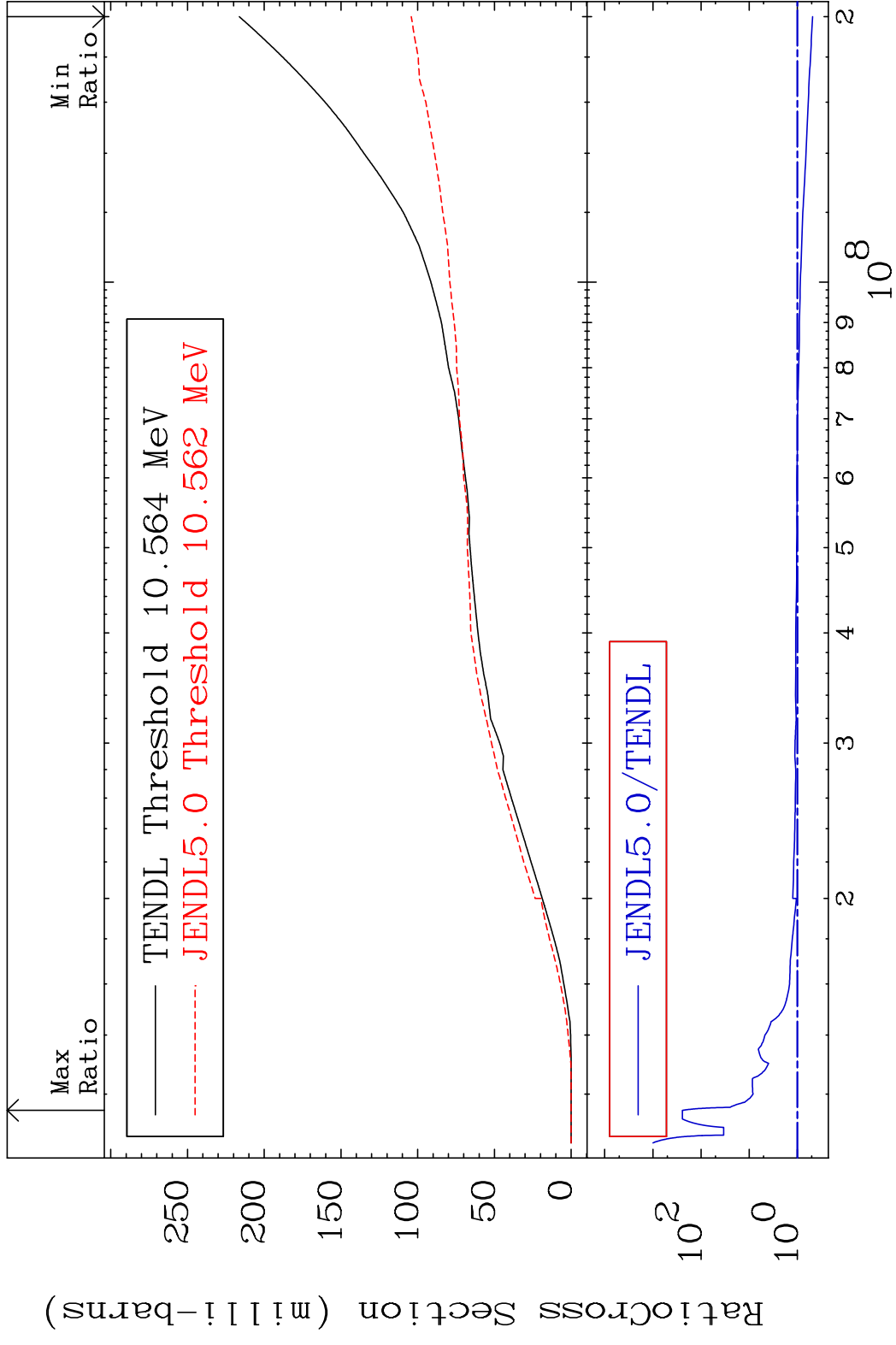
41 Incident Energy (eV) 18-Ar-40

MAT 1837

Deuterium Production

18-Ar-40

Cross Section -51.84 To 9999. %



42

Incident Energy (eV)

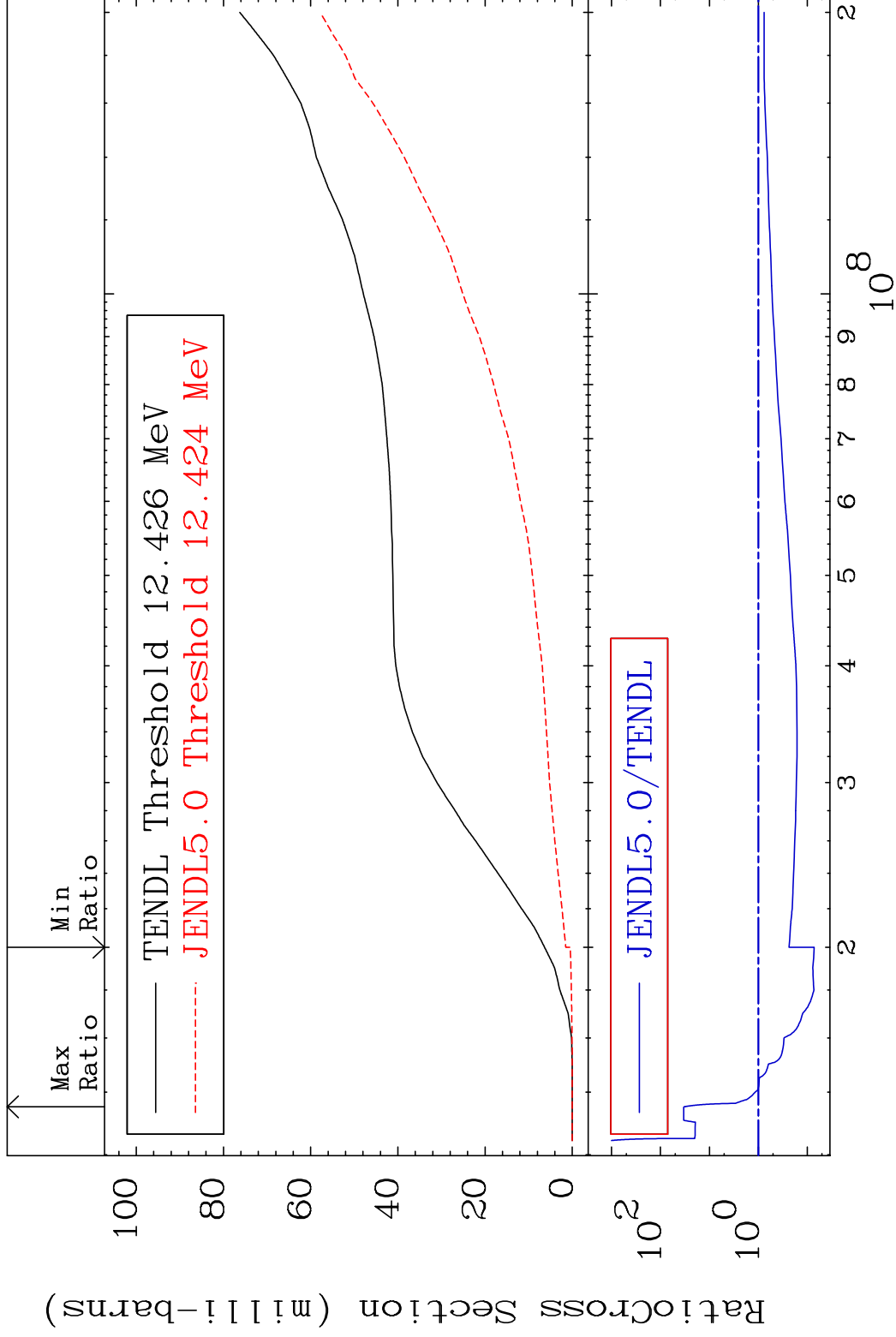
18-Ar-40

MAT 1837

Tritium Production

18-Ar-40

Cross Section -92.76 To 3261. %



43

Incident Energy (eV)

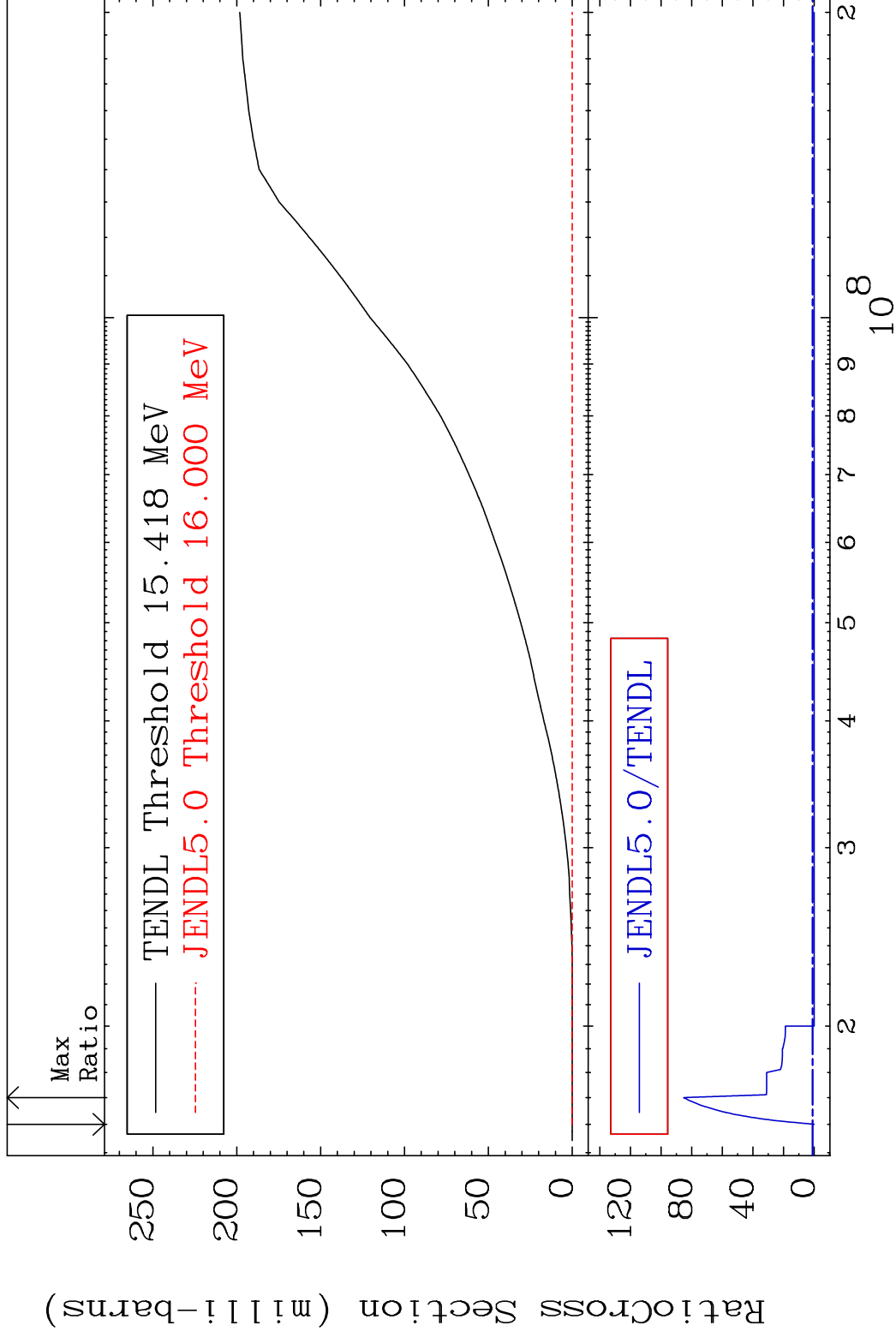
18-Ar-40

MAT 1837

He-3 Production

18-Ar-40

Cross Section -100.0 To 8427. %

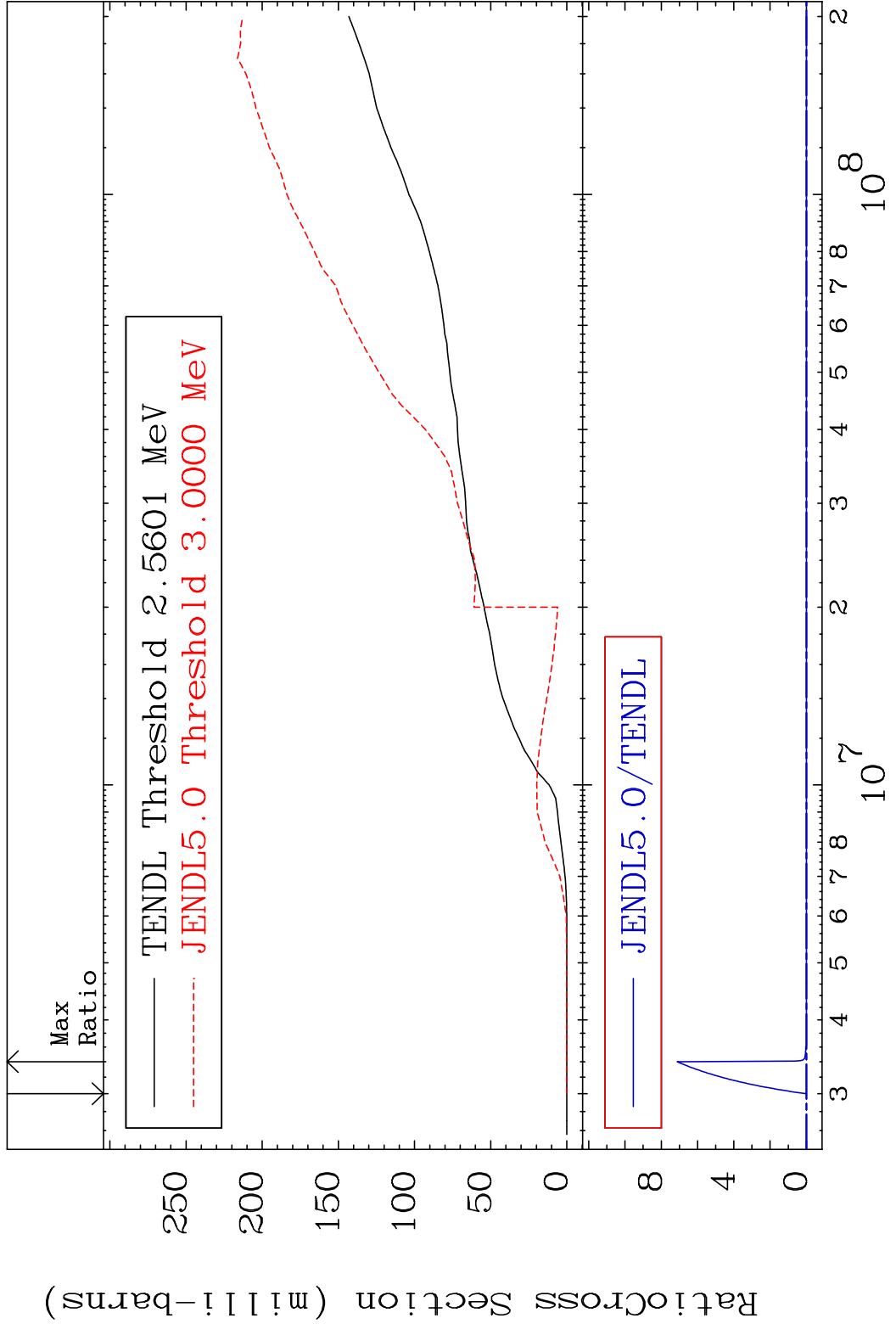


44

Incident Energy (eV)

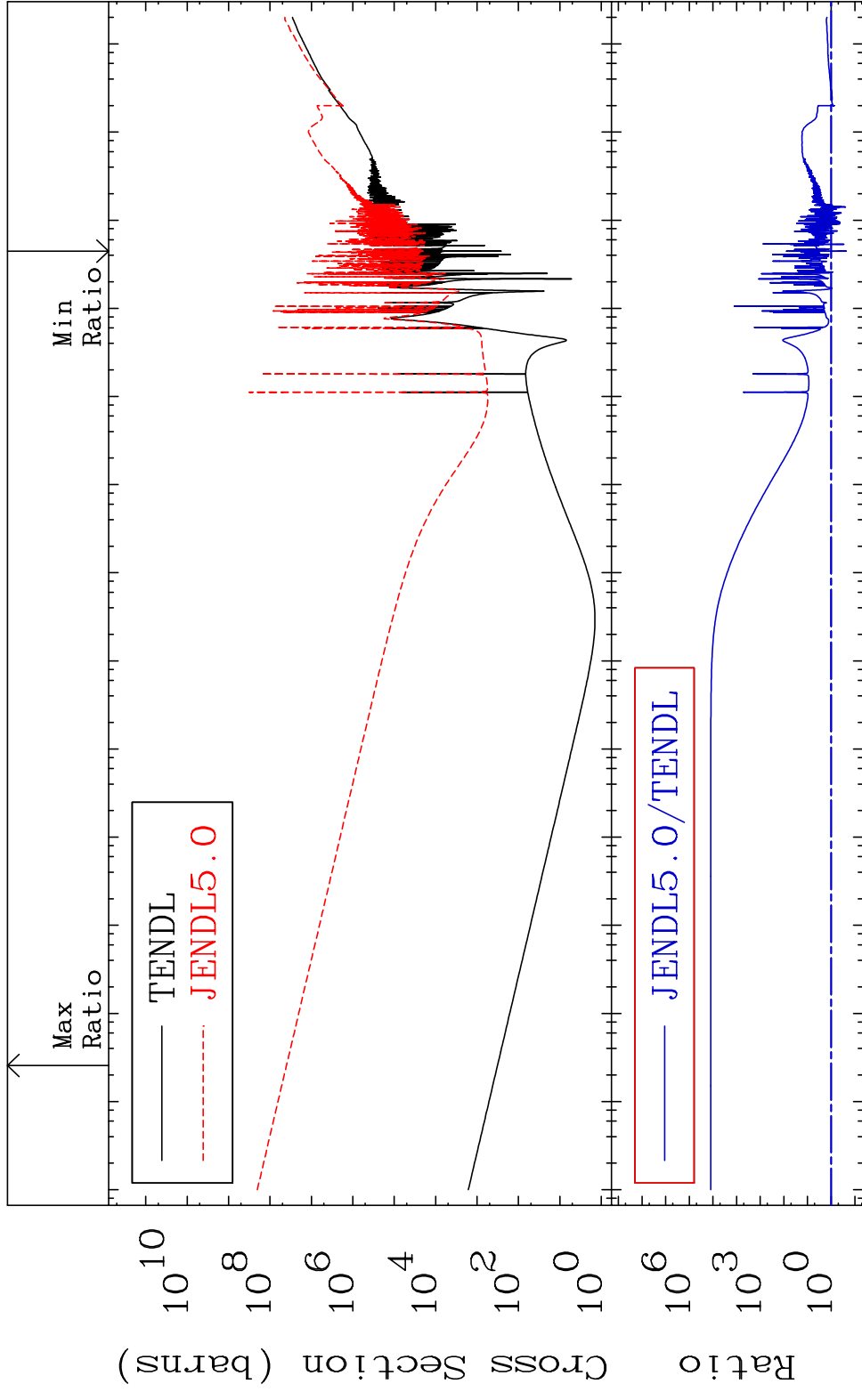
18-Ar-40

MAT 1837 He-4 Production 18-Ar-40
 Cross Section -100.0 To 9999. %



45 Incident Energy (eV) 18-Ar-40

MAT 1837 Kerma total (eV-barns) 18-Ar-40
 Cross Section -77.14 To 9999. %

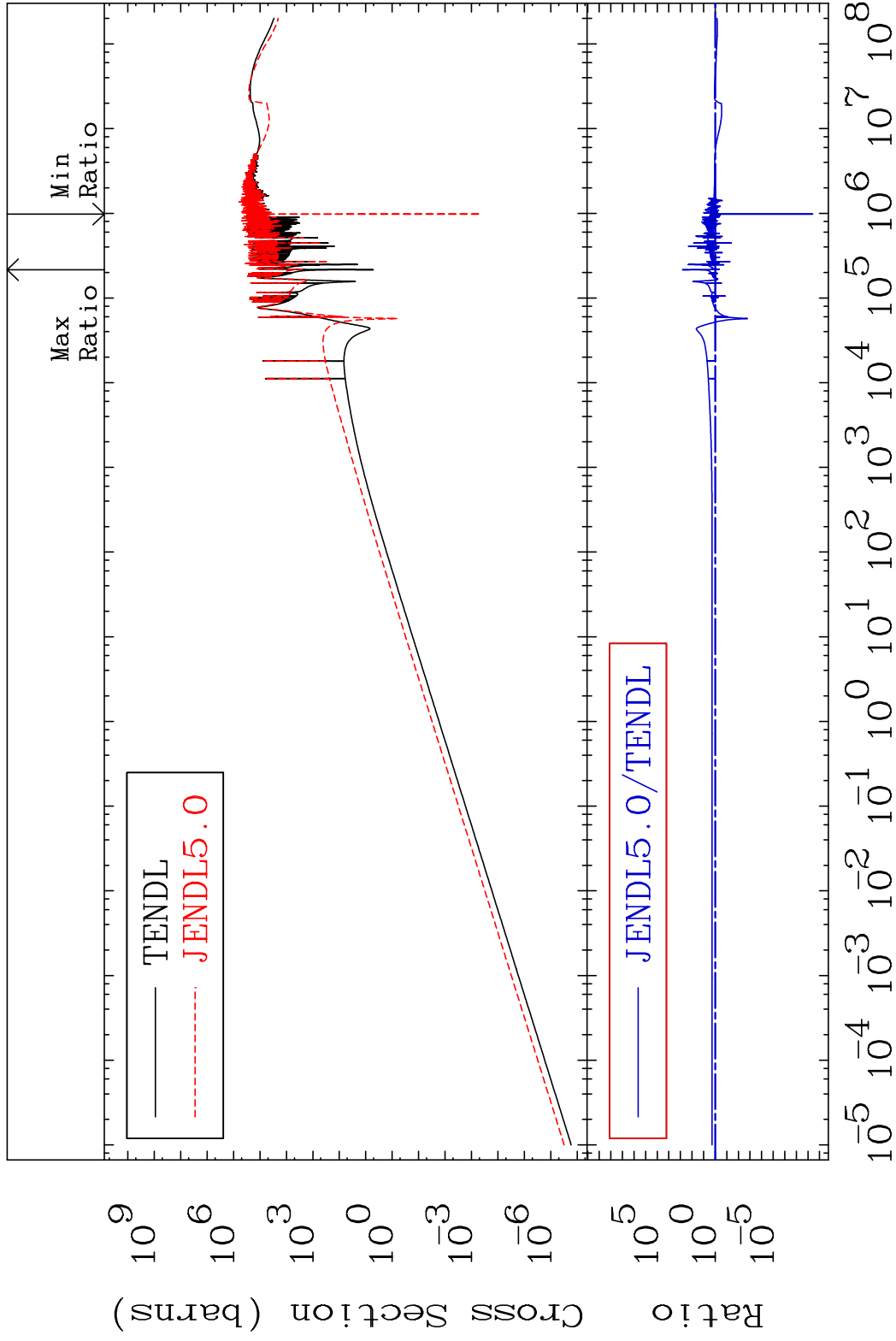


46 Incident Energy (eV) 18-Ar-40

MAT 1837

Kerma elastic
Cross Section

18-Ar-40
-100.0 To 9999. %

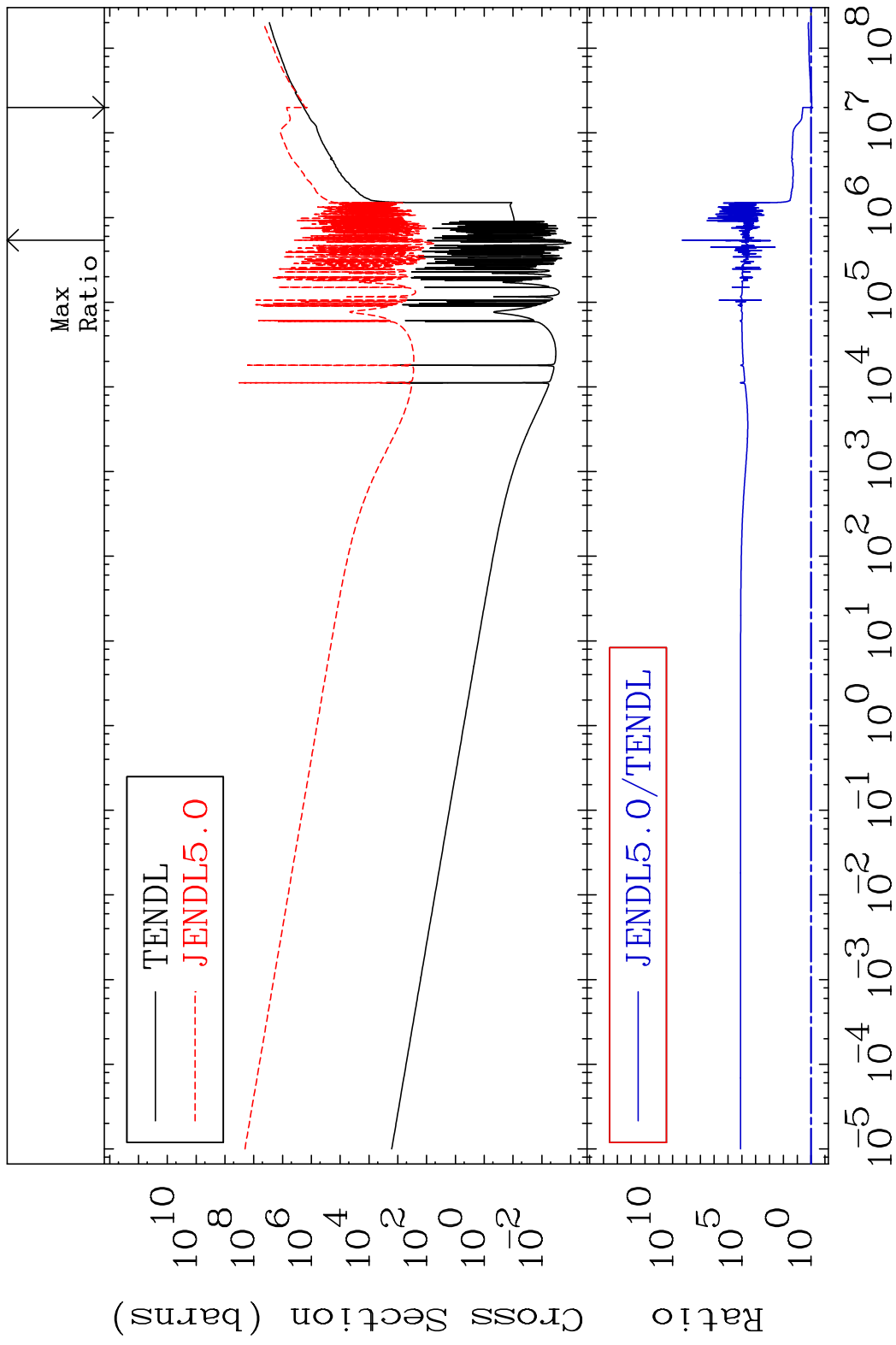


47

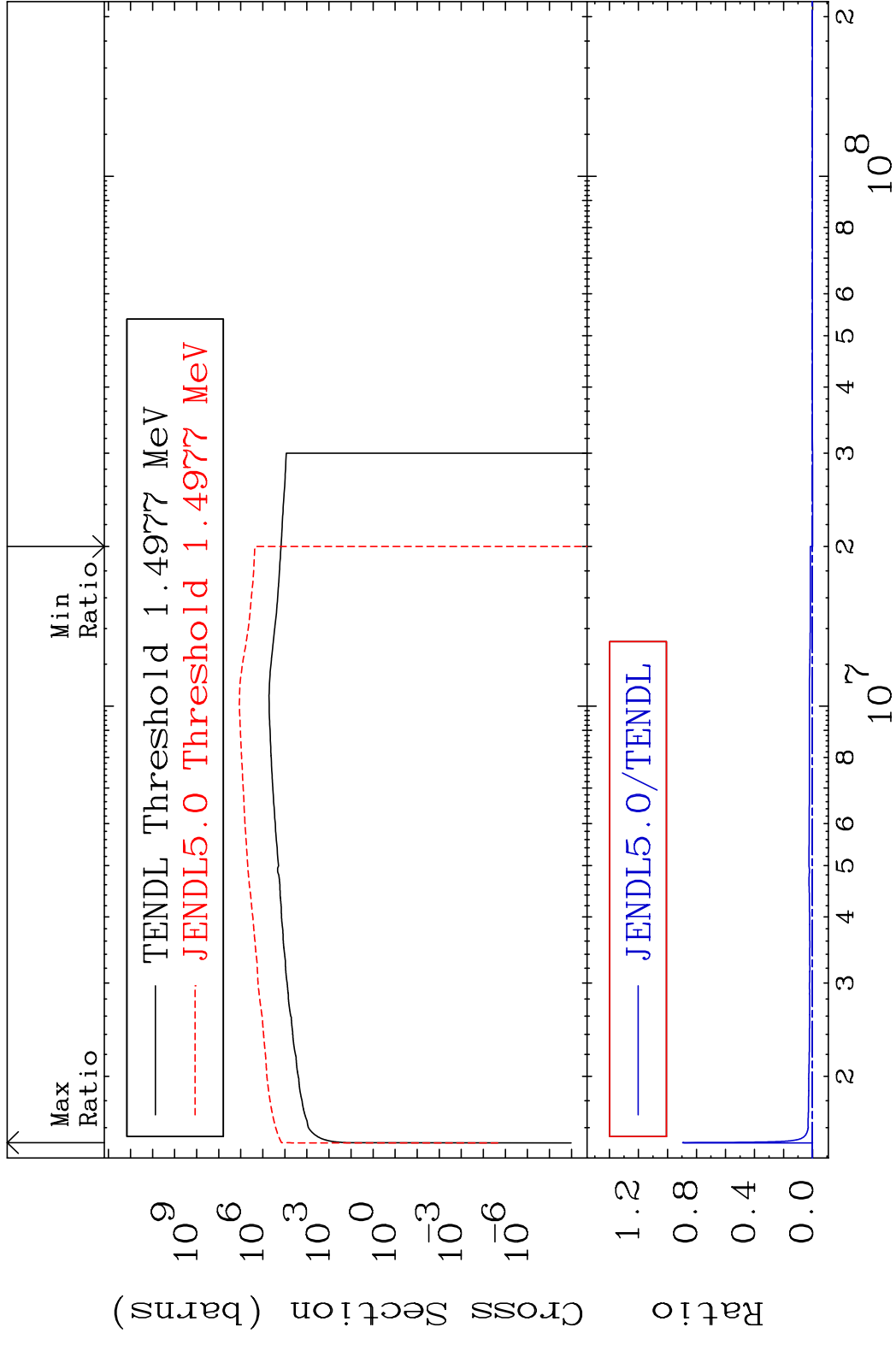
Incident Energy (eV)

18-Ar-40

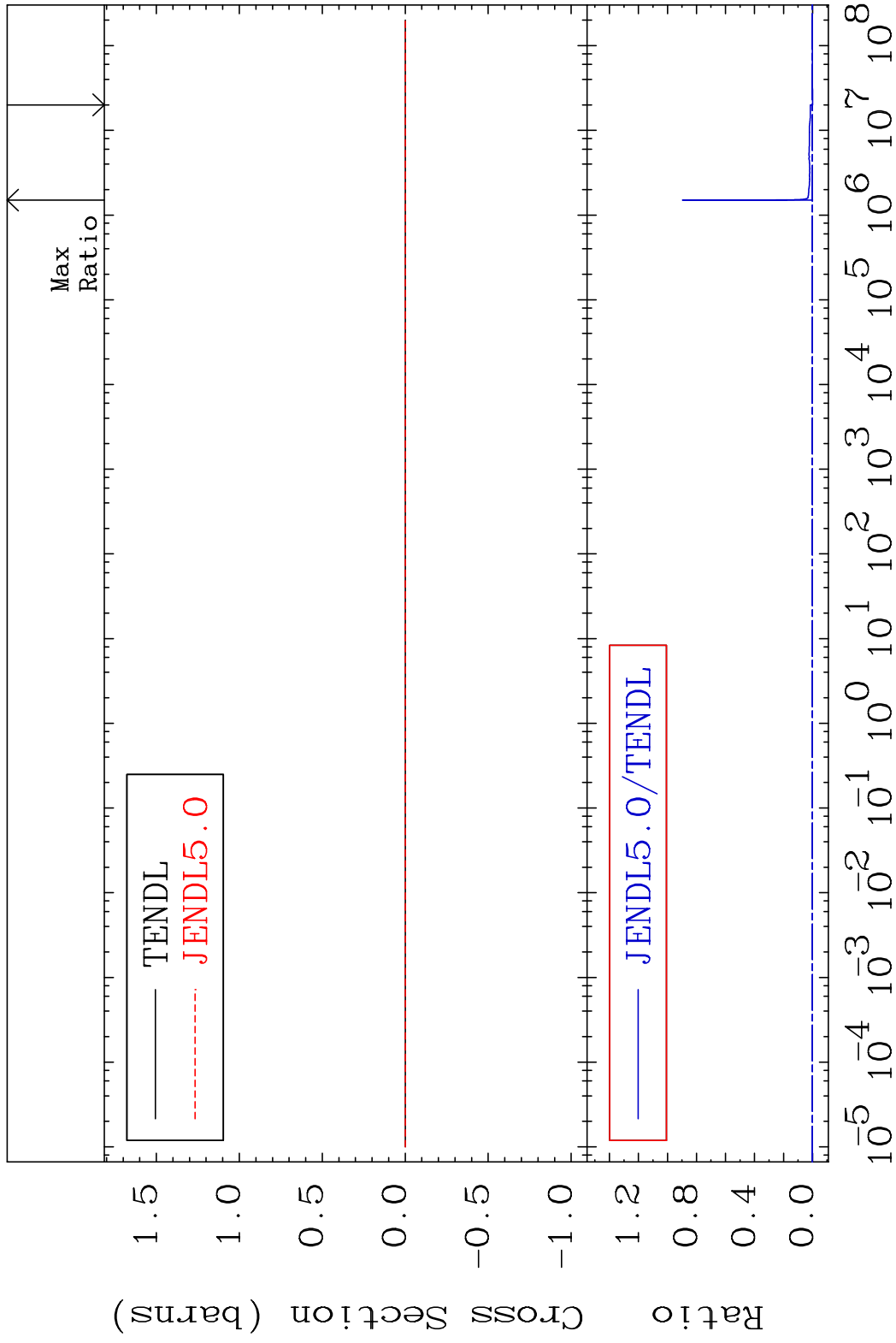
MAT 1837 Kerma non-elastic (all but mt2) 18-Ar-40
 Cross Section -22.07 To 9999. %



MAT 1837 Kerma inelastic (mt51-91) 18-Ar-40
 Cross Section -100.0 To 9999. %



MAT 1837 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-40
 Cross Section -100.0 To 9999. %

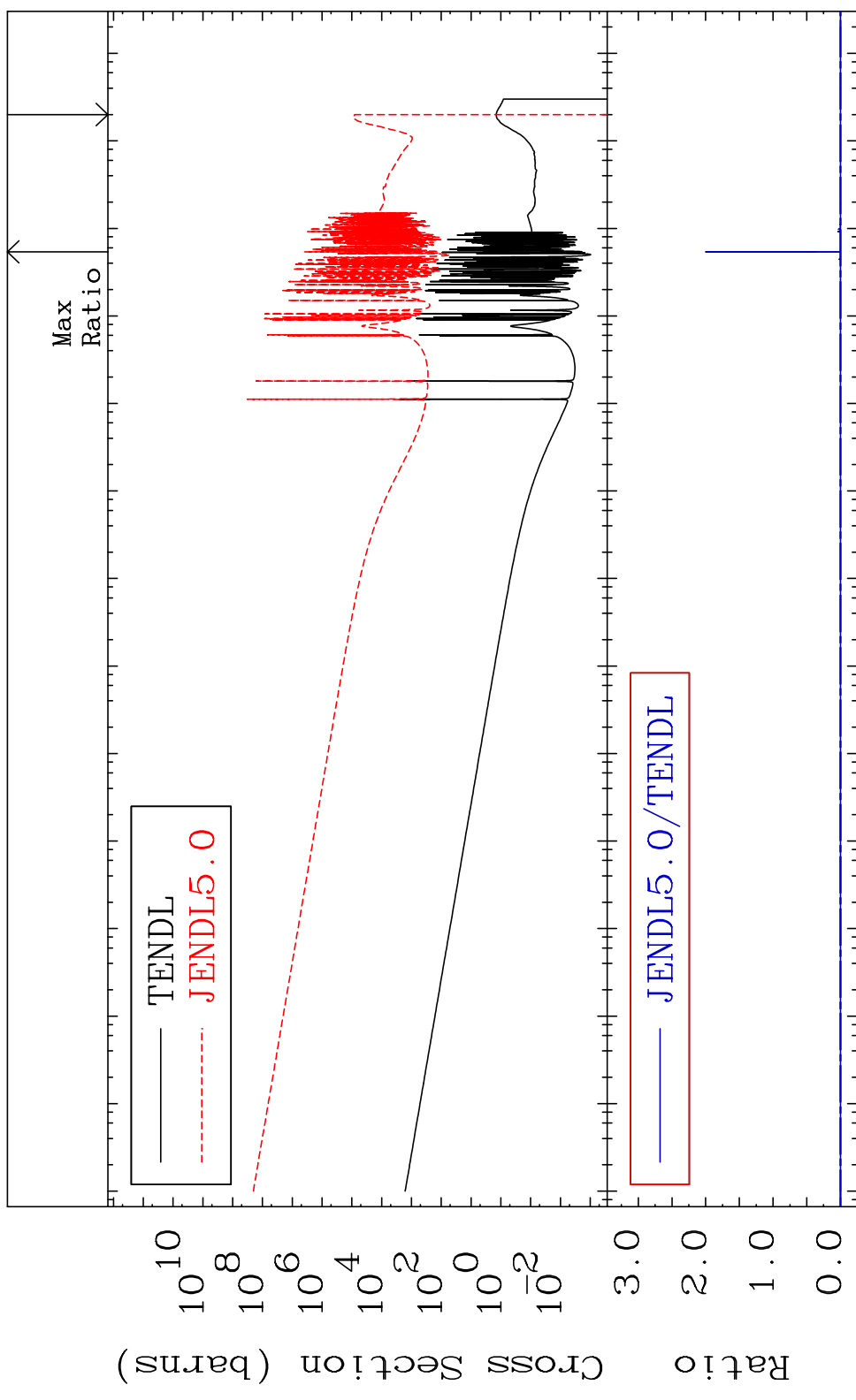


MAT 1837

Kerma capture (mt102)

18-Ar-40

Cross Section -100.0 To 9999. %



51

Incident Energy (eV)

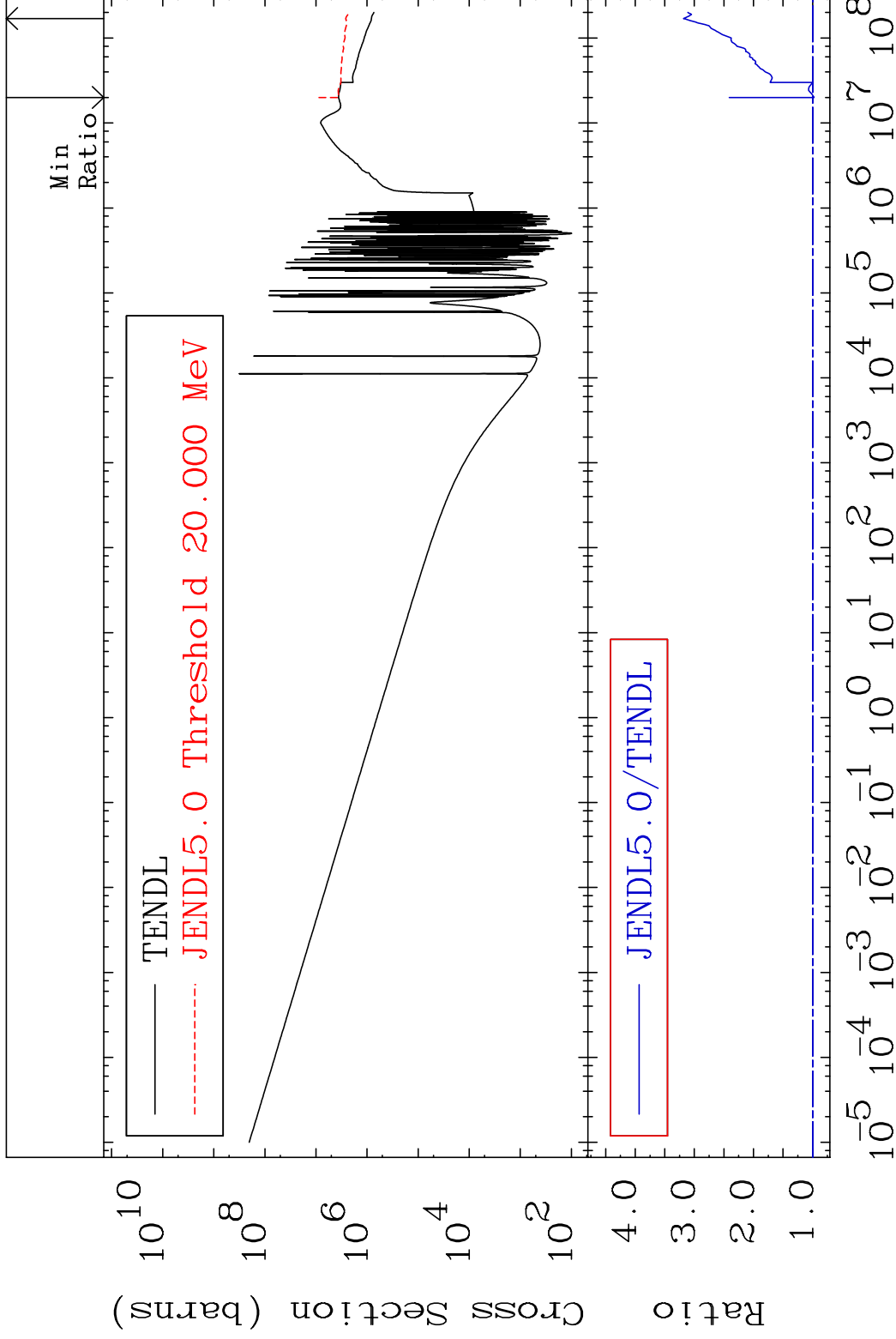
18-Ar-40

MAT 1837

Total photon (eV-barns)

18-Ar-40

Cross Section -2.414 To 218.4 %

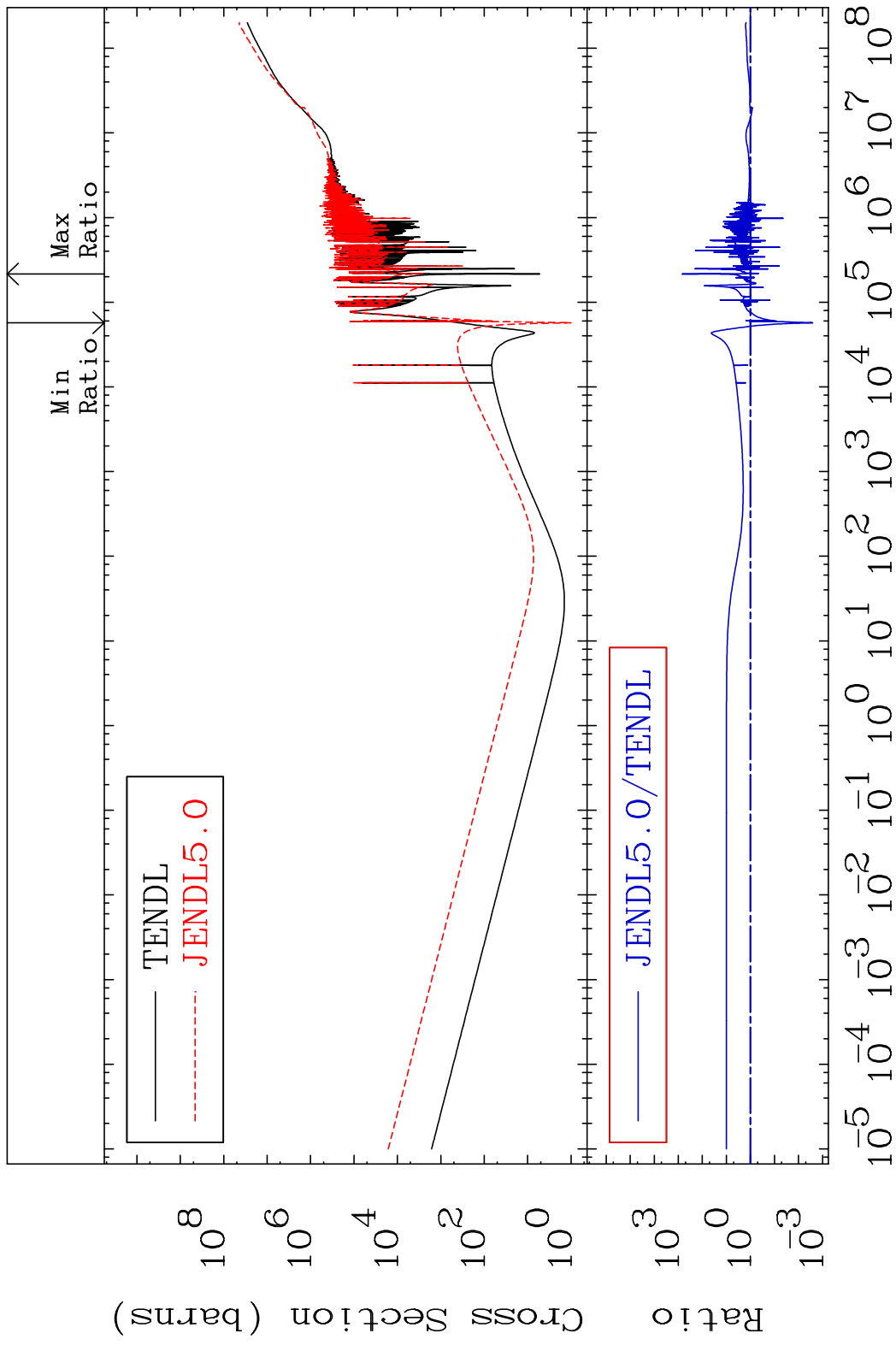


52

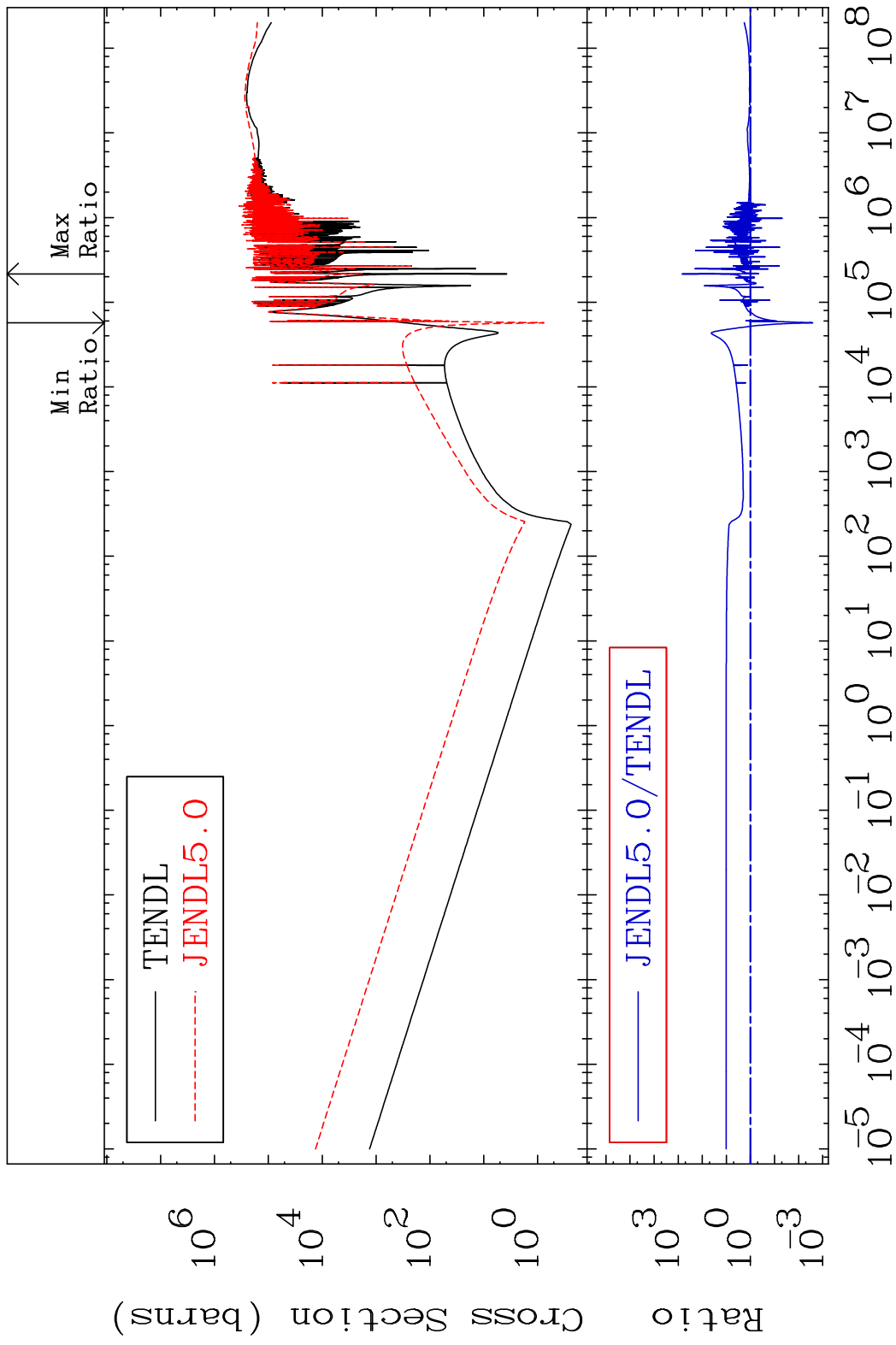
Incident Energy (eV)

18-Ar-40

MAT 1837 Total kinematic kerma (high limit) 18-Ar-40
 Cross Section -99.74 To 9999. %

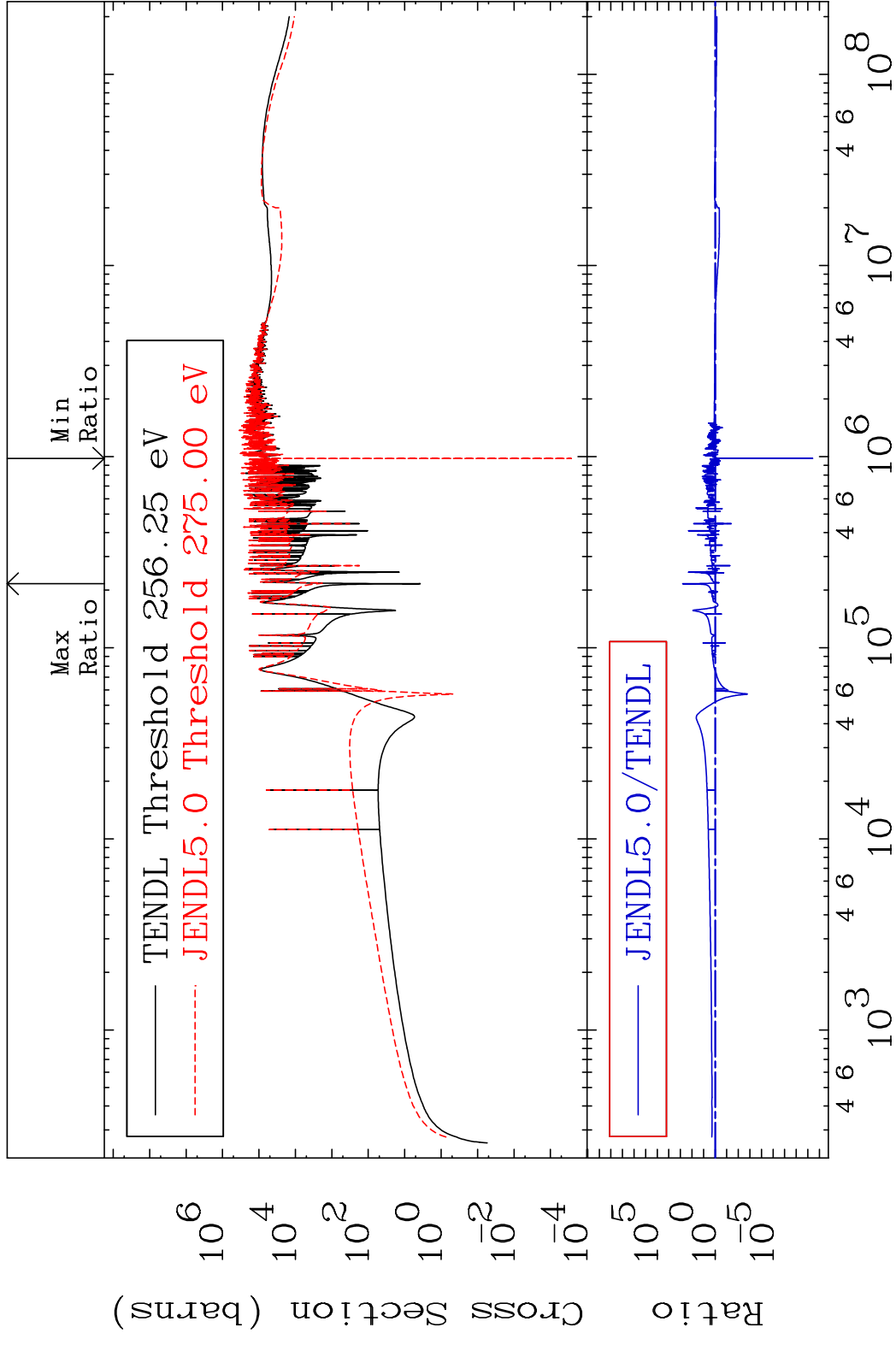


MAT 1837 Dpa total (eV-barns) 18-Ar-40
 Cross Section -99.74 To 9999. %

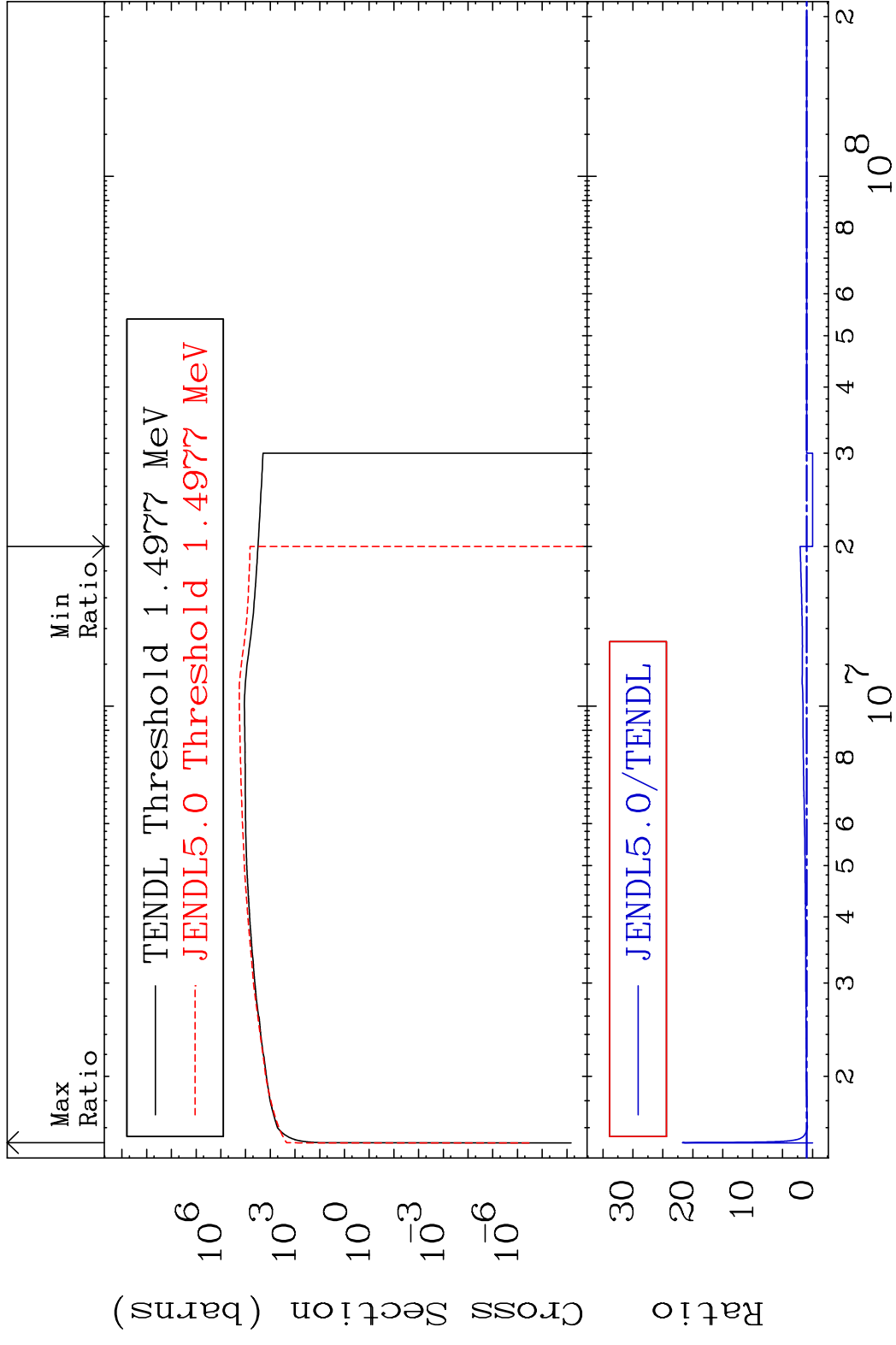


54 Incident Energy (eV) 18-Ar-40

MAT 1837 Dpa elastic (mt2) 18-Ar-40
 Cross Section -100.0 To 9999. %



MAT 1837 Dpa inelastic (mt51-91) 18-Ar-40
 Cross Section -100.0 To 2074. %



MAT 1837 Dpa disappearance (mt102 -120) 18-Ar-40
 Cross Section -100.0 To 9999. %

