

Program Complot
(Version 2021-1)

by

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U.S.A.

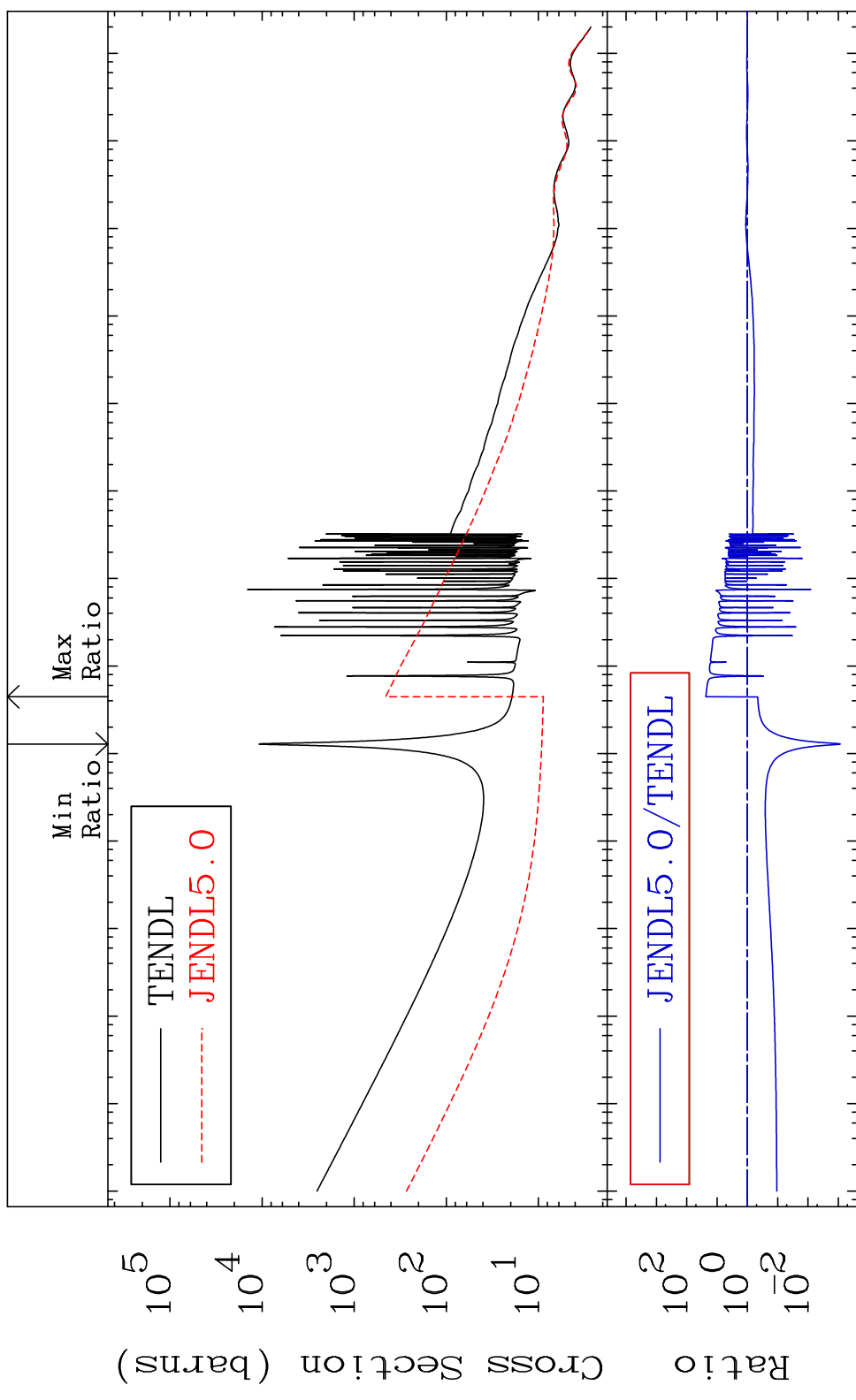
Tele: 925-443-1911

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7419

Total Cross Section -99.92 To 2257. %
74-W -178

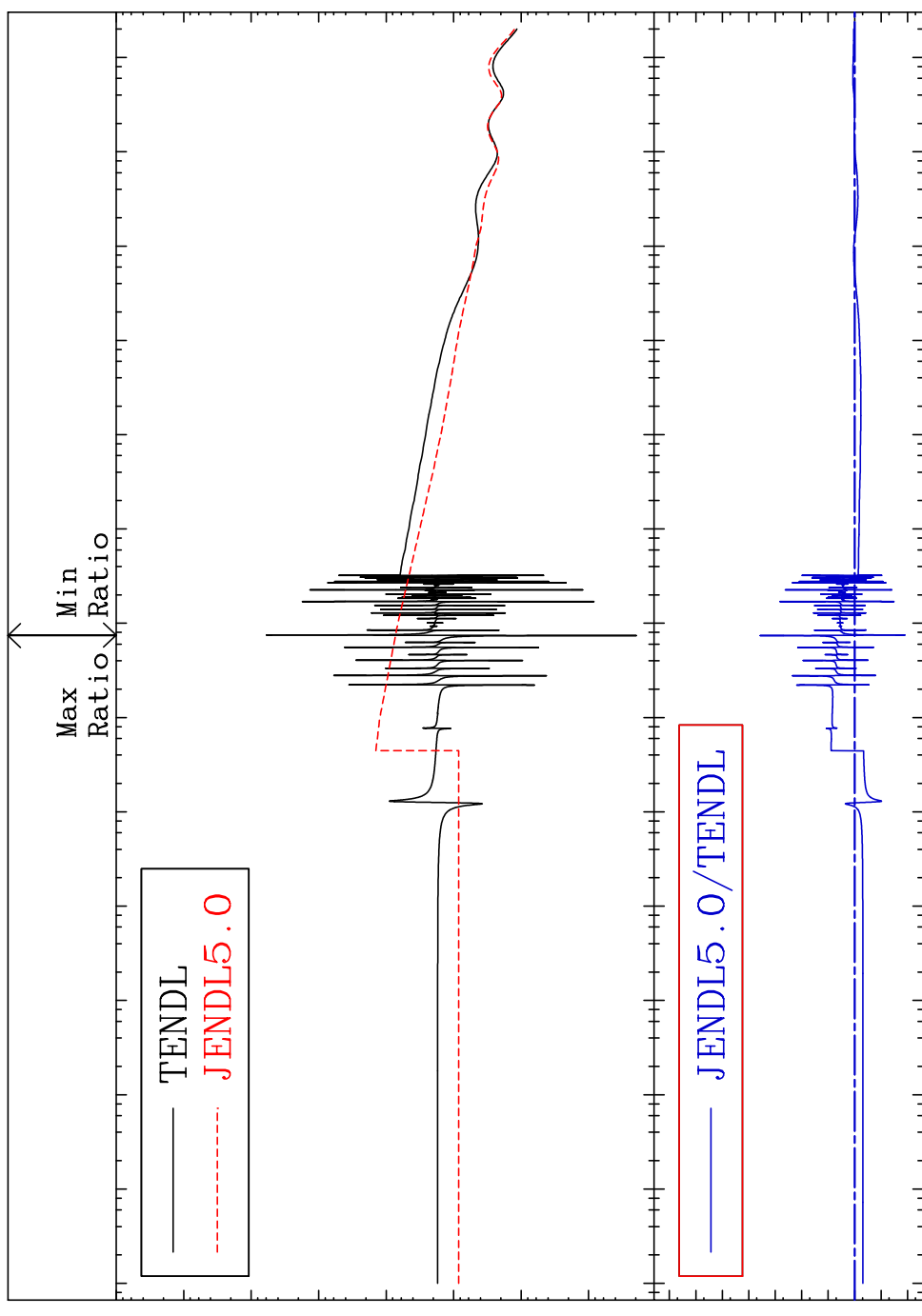


Ratio
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻²
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

1 Incident Energy (eV) 74-W -178

MAT 7419

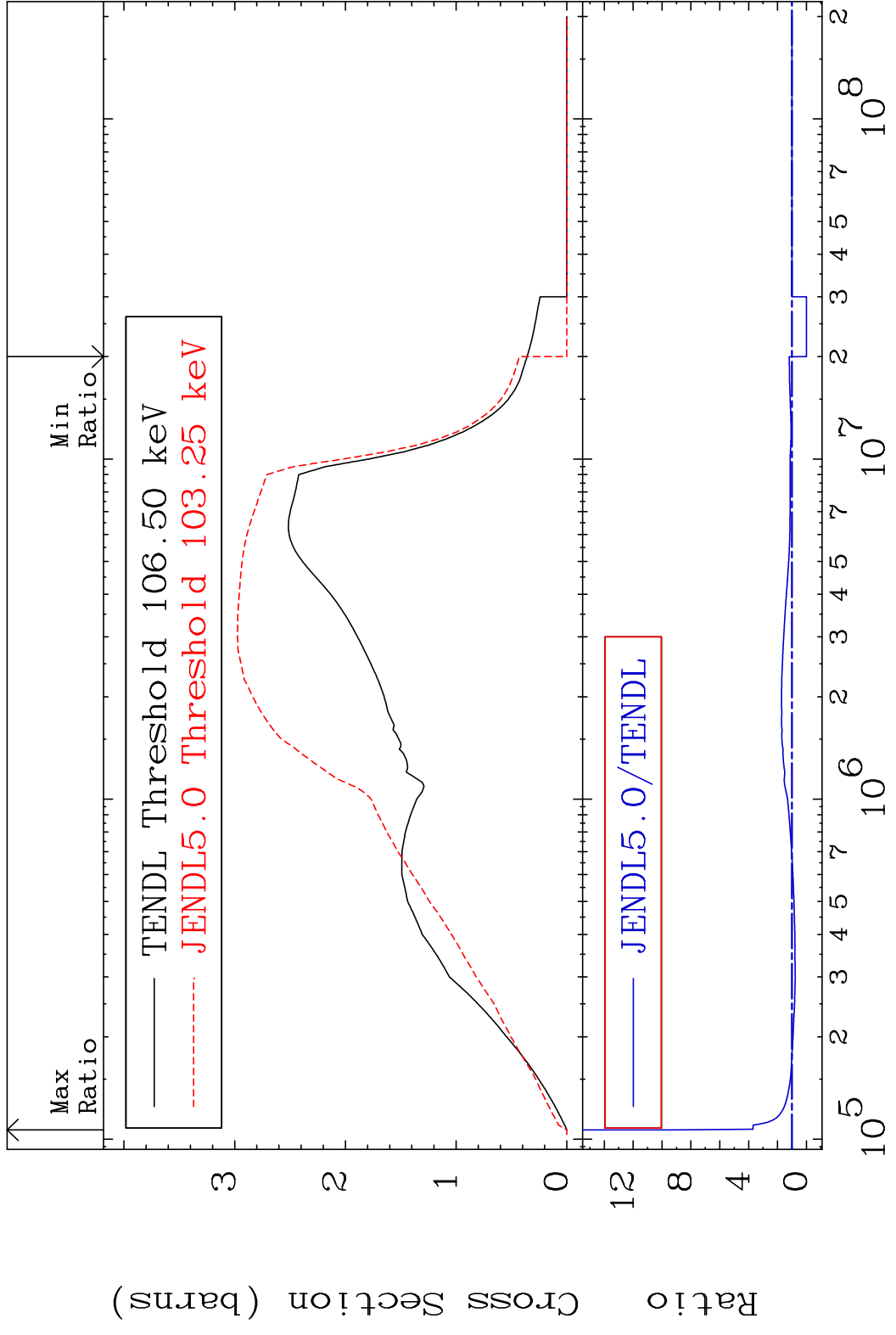
Elastic Cross Section -98.77 To 9999. % 74-W -178



2

Incident Energy (eV) 74-W -178

MAT 7419 Inelastic Cross Section -100.0 To 794.9 % 74-W -178



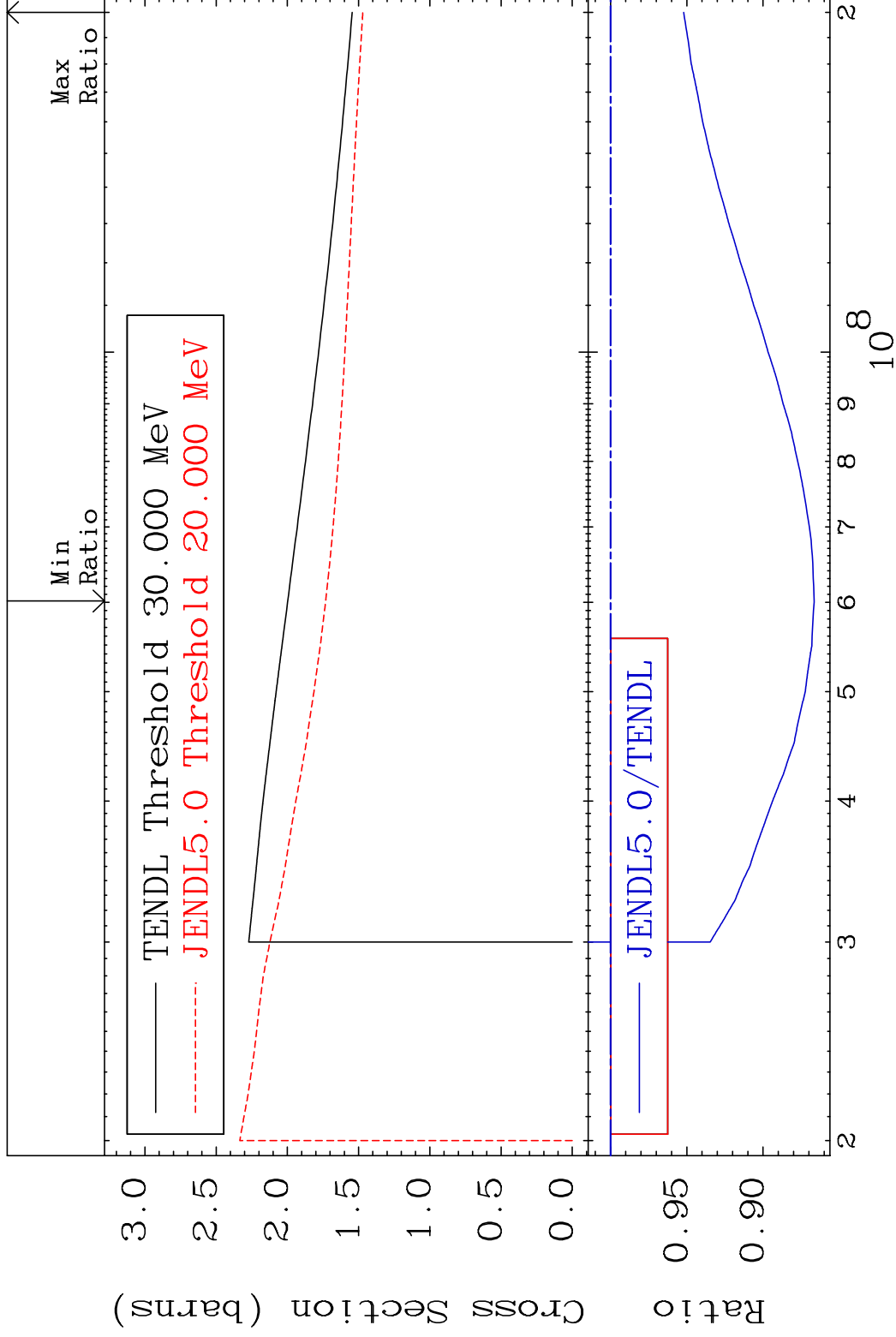
3 12 8 4 0 2 3 4 5 6 7 10⁵ 10⁶ 10⁷ 10⁸ 2 3 4 5 6 7 8 2 74-W -178

MAT 7419

(n, remainder)

74-W -178

Cross Section -13.34 To -4.795%



4

Incident Energy (eV)

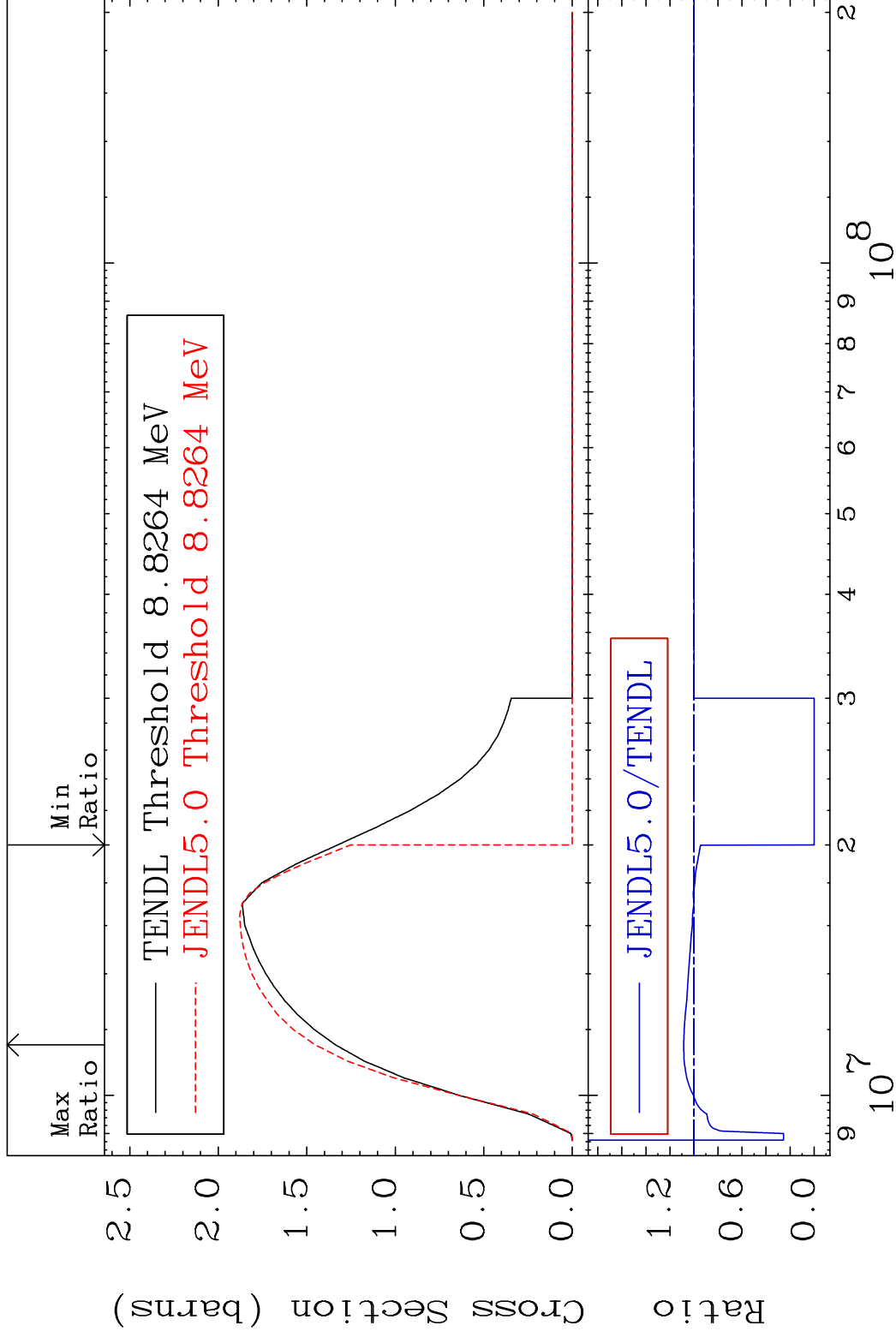
74-W -178

MAT 7419

(n,2n)

74-W -178

Cross Section -100.0 To 8.563 %



5

Incident Energy (eV)

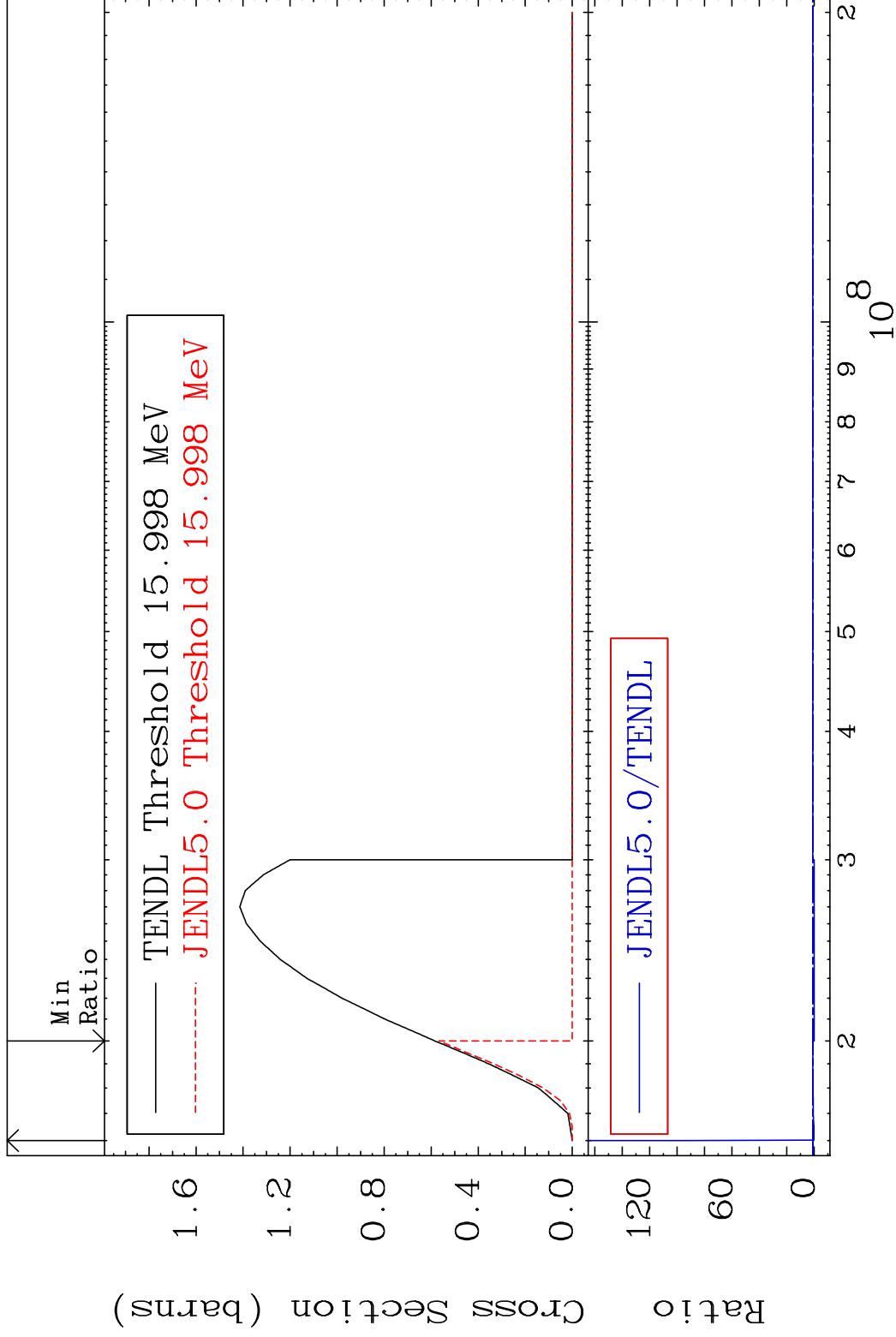
74-W -178

MAT 7419

(n,3n)

74-W -178

Cross Section -100.0 To 9417. %



6

Incident Energy (eV)

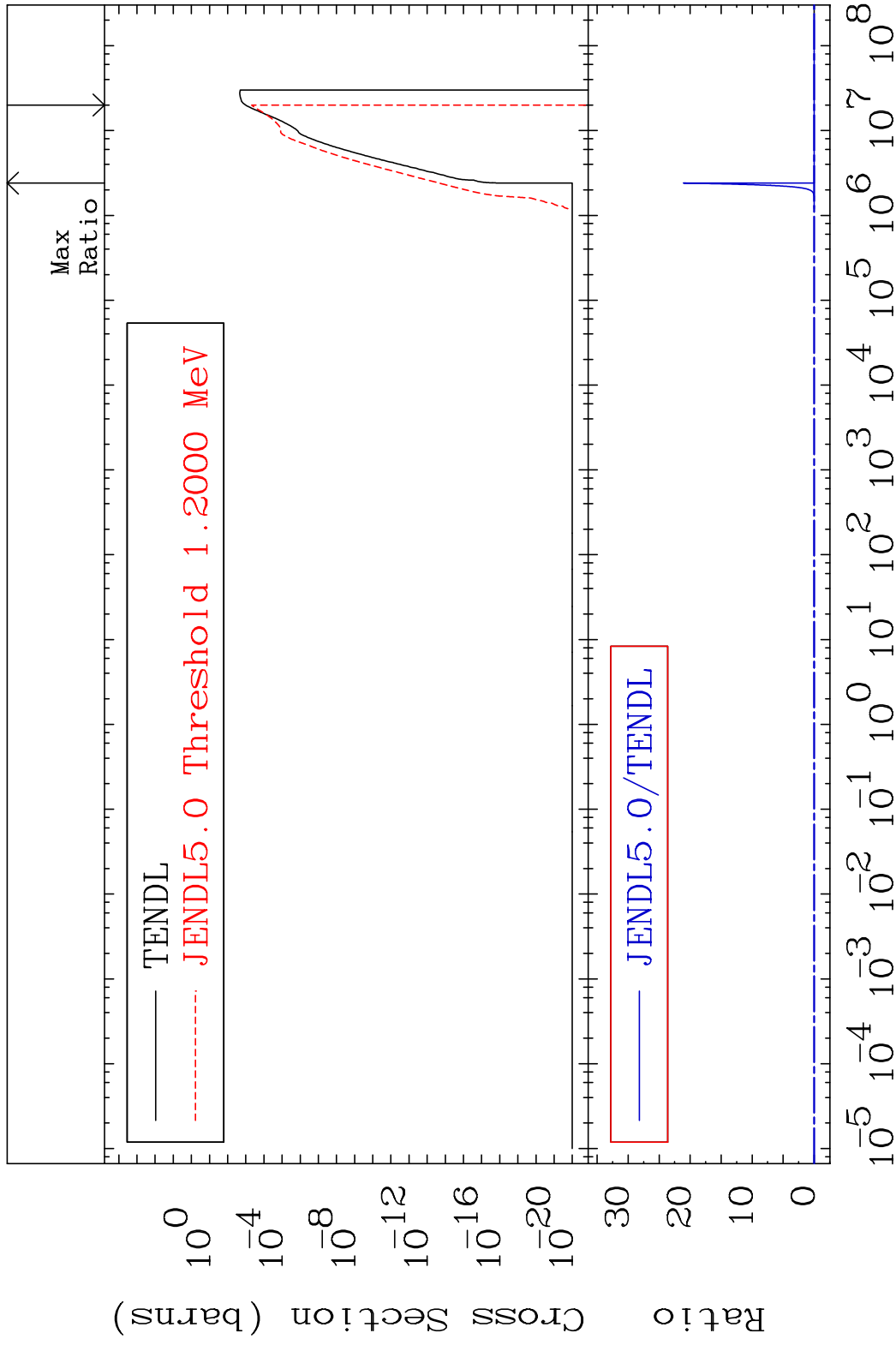
74-W -178

MAT 7419

(n, n') α

74-W -178

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

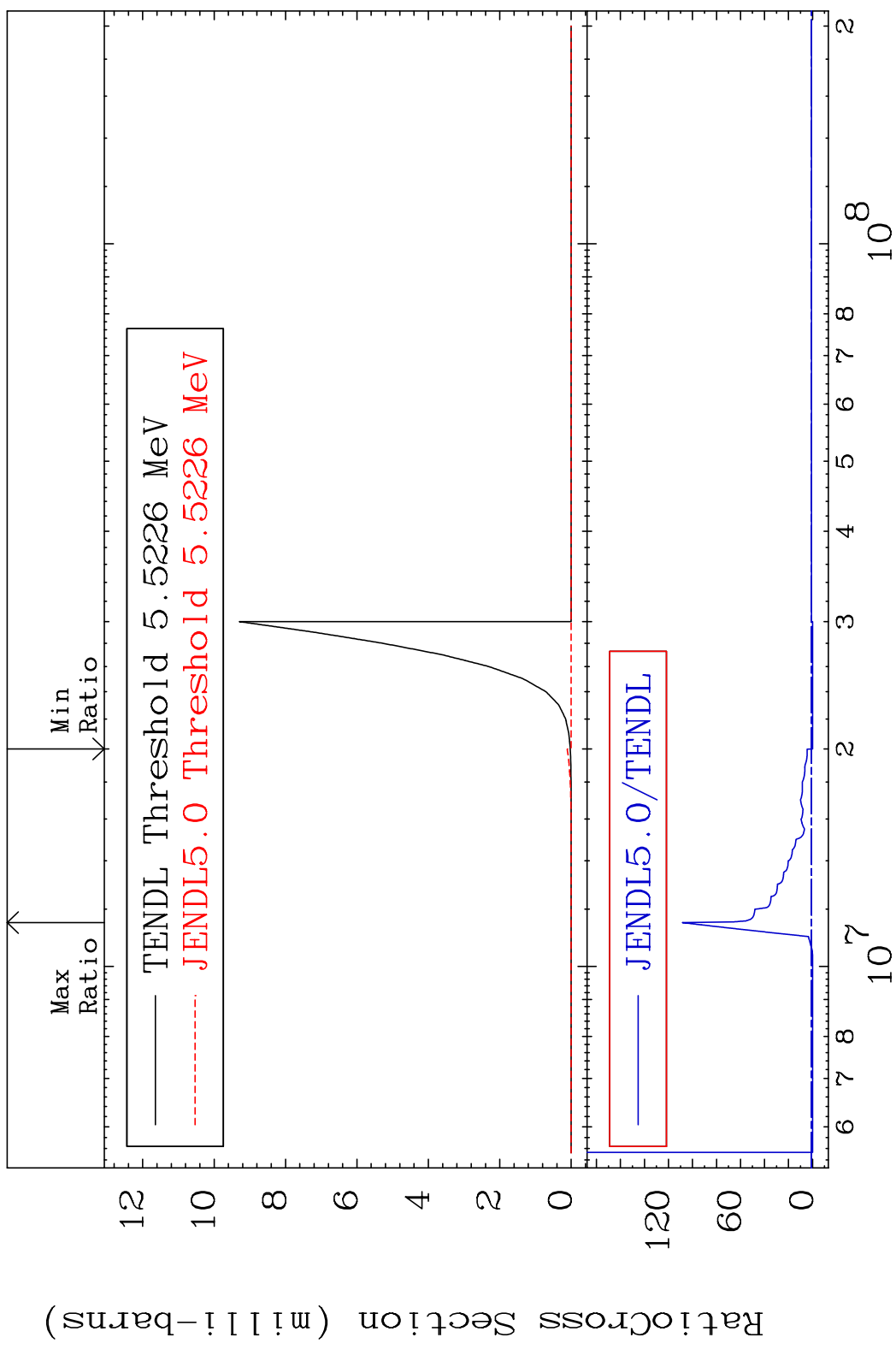
74-W -178

MAT 7419

(n,2n) α

74-W -178

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

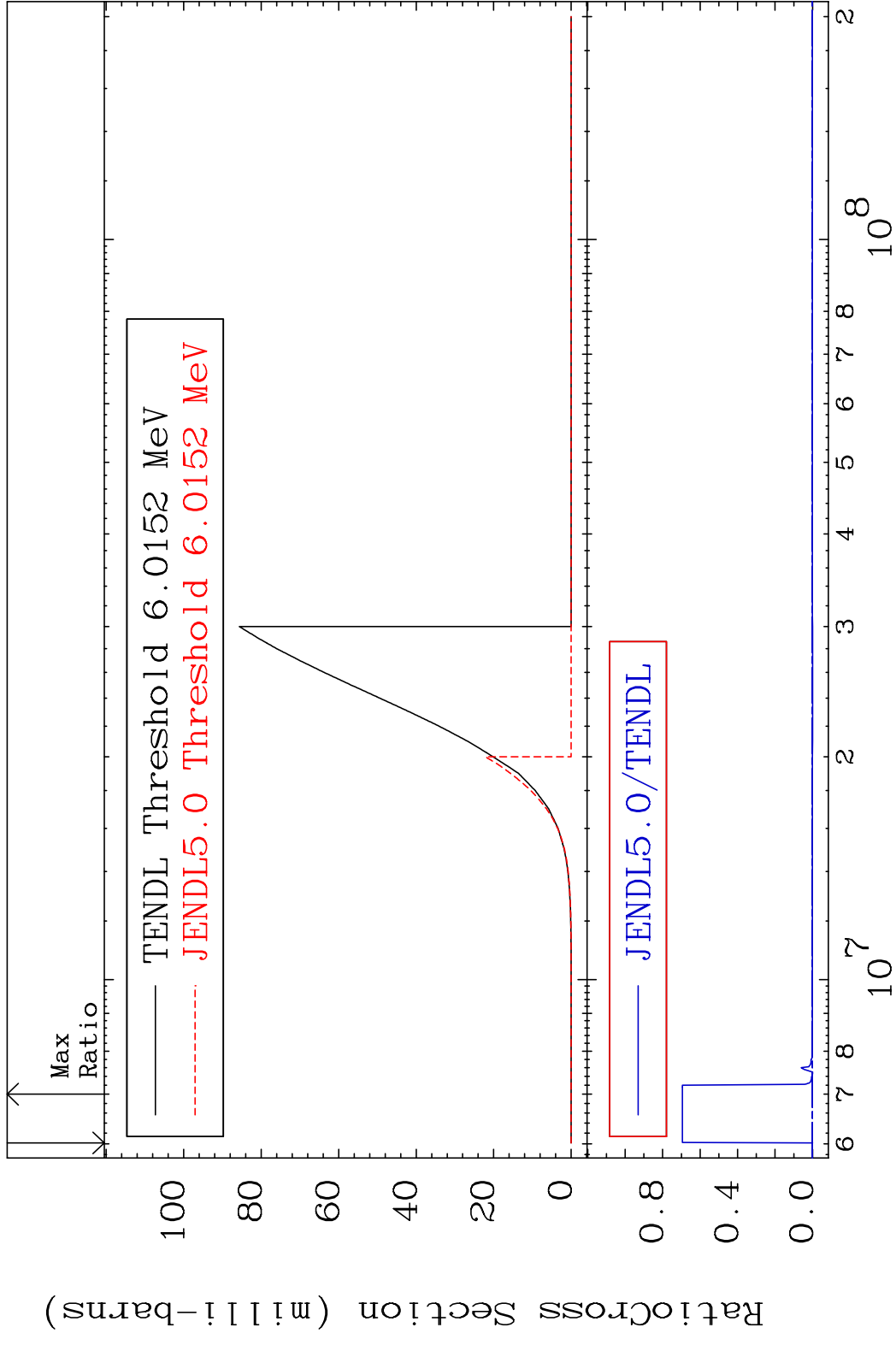
74-W -178

MAT 7419

(n, n') p

74-W -178

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

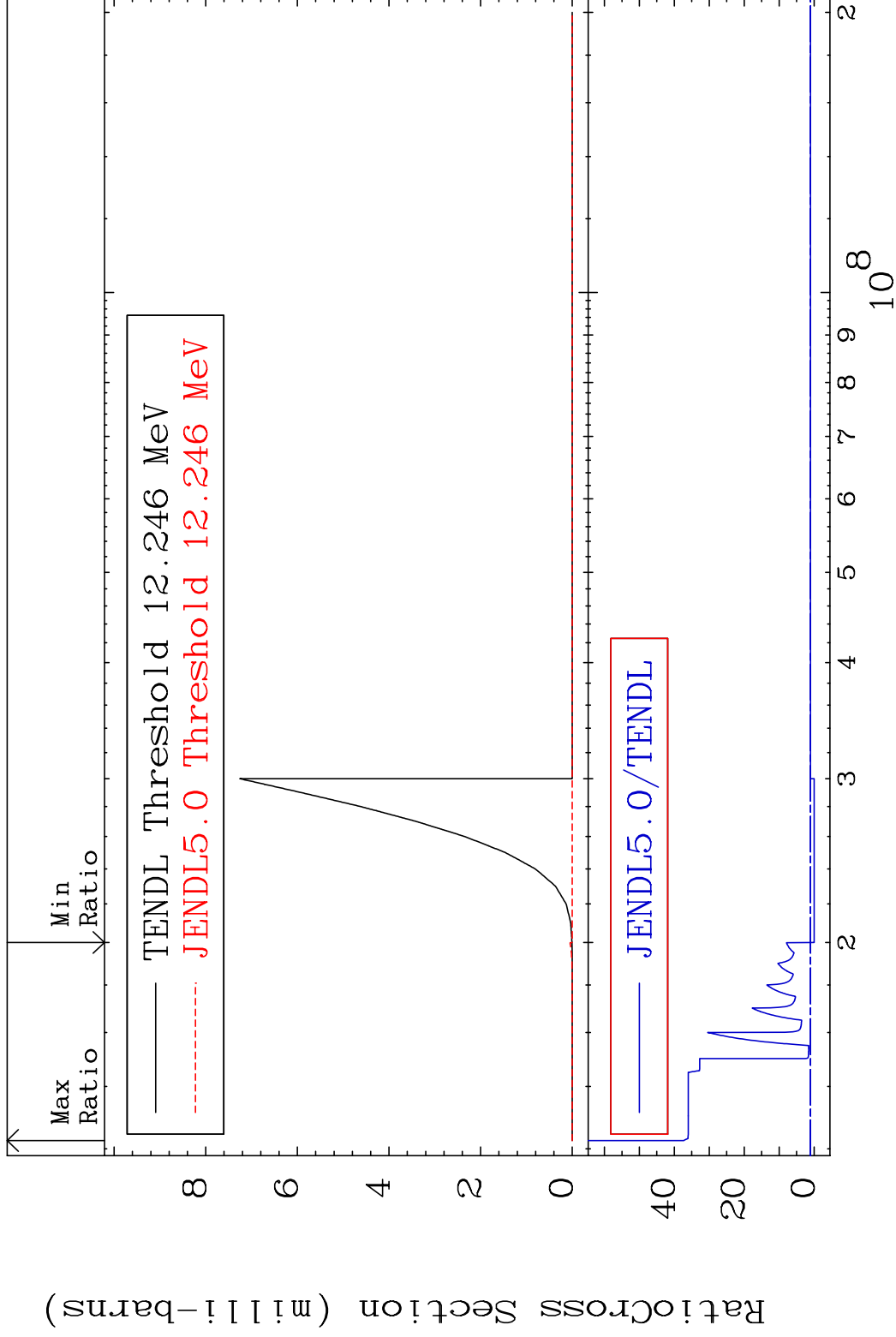
74-W -178

MAT 7419

(n, n') d

74-W -178

Cross Section -100.0 To 3633. %

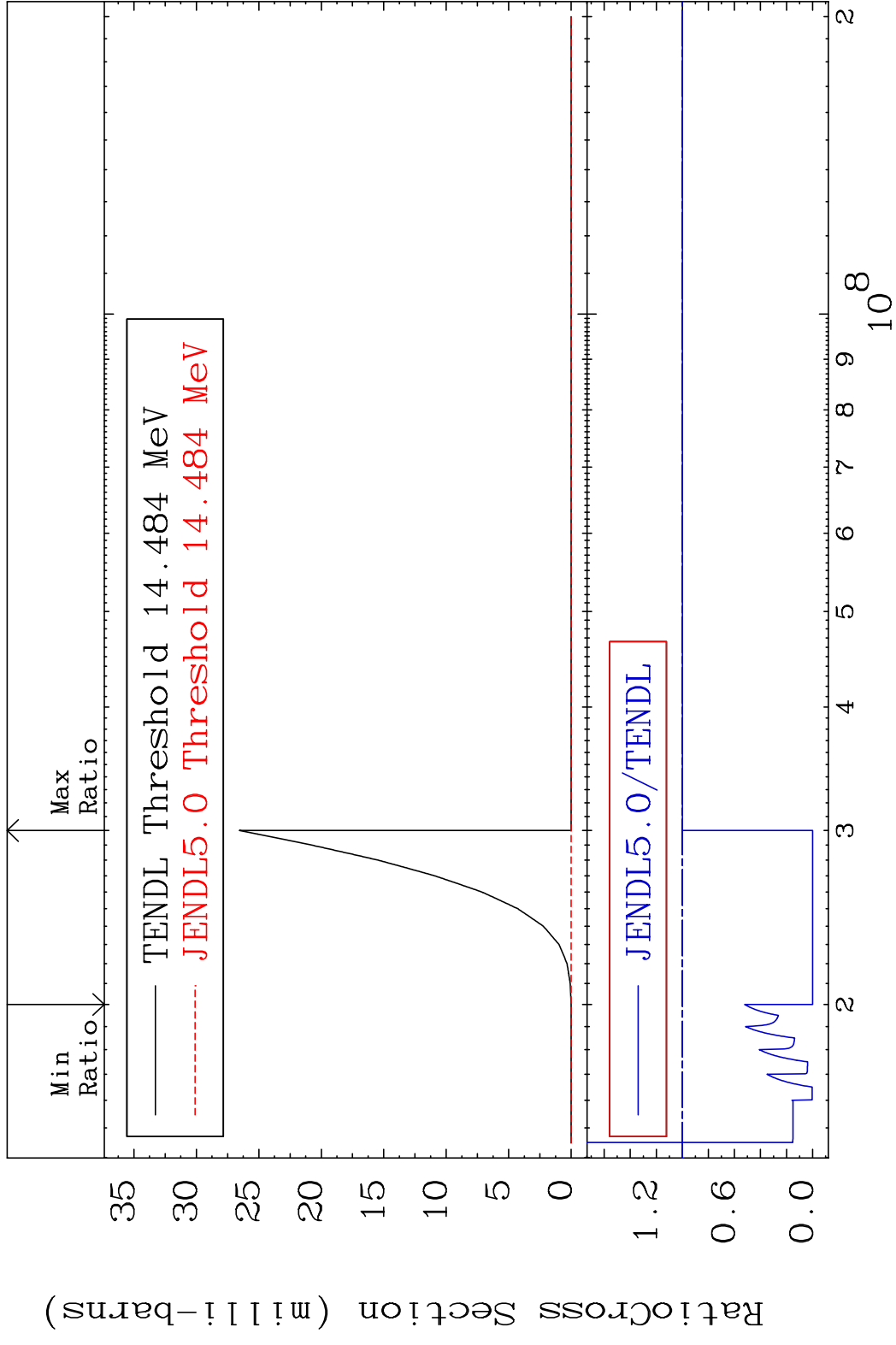


10

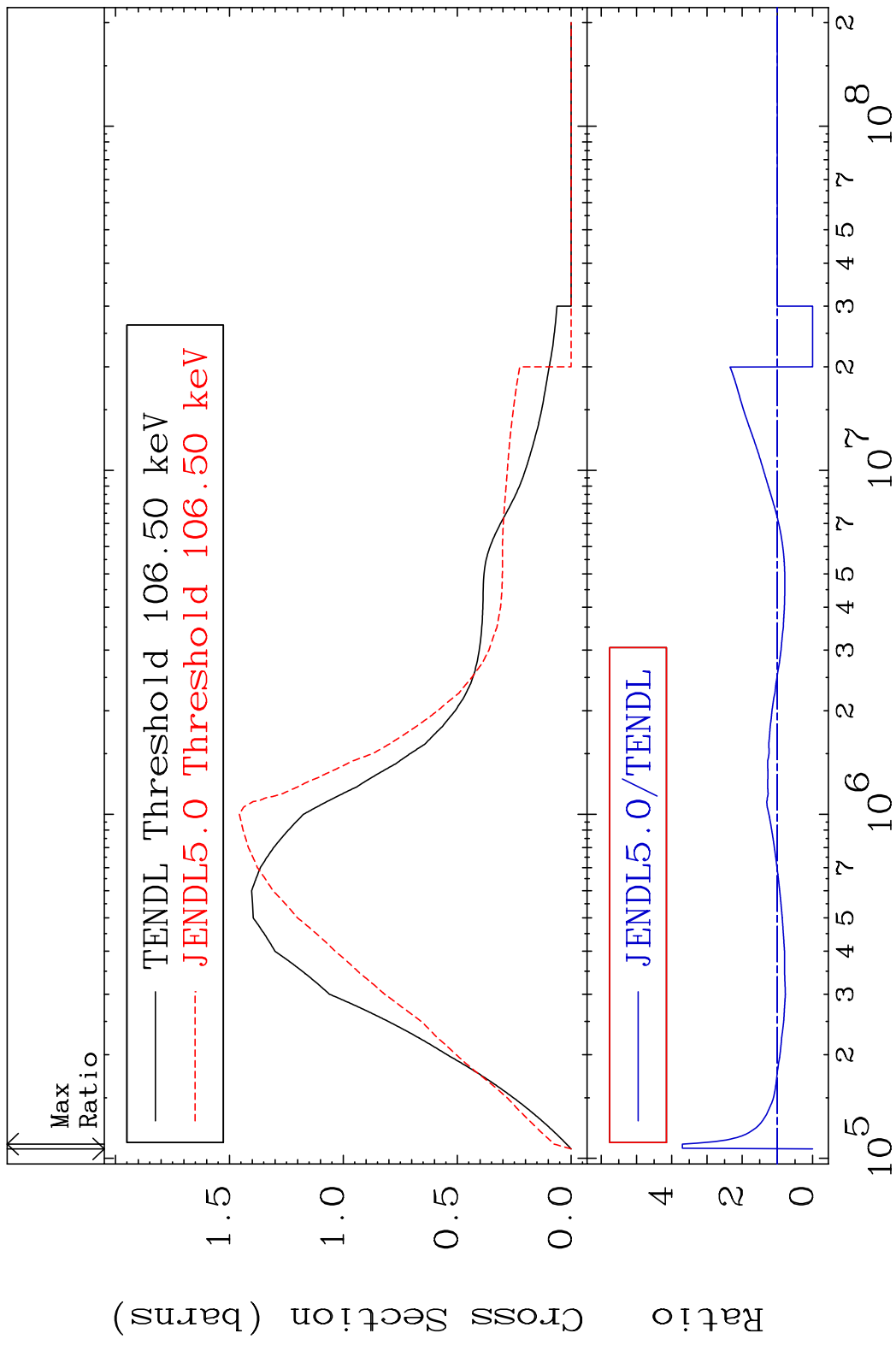
Incident Energy (eV)

74-W -178

MAT 7419 (n,2n) p 74-W -178
 Cross Section -100.0 To 0.000 %

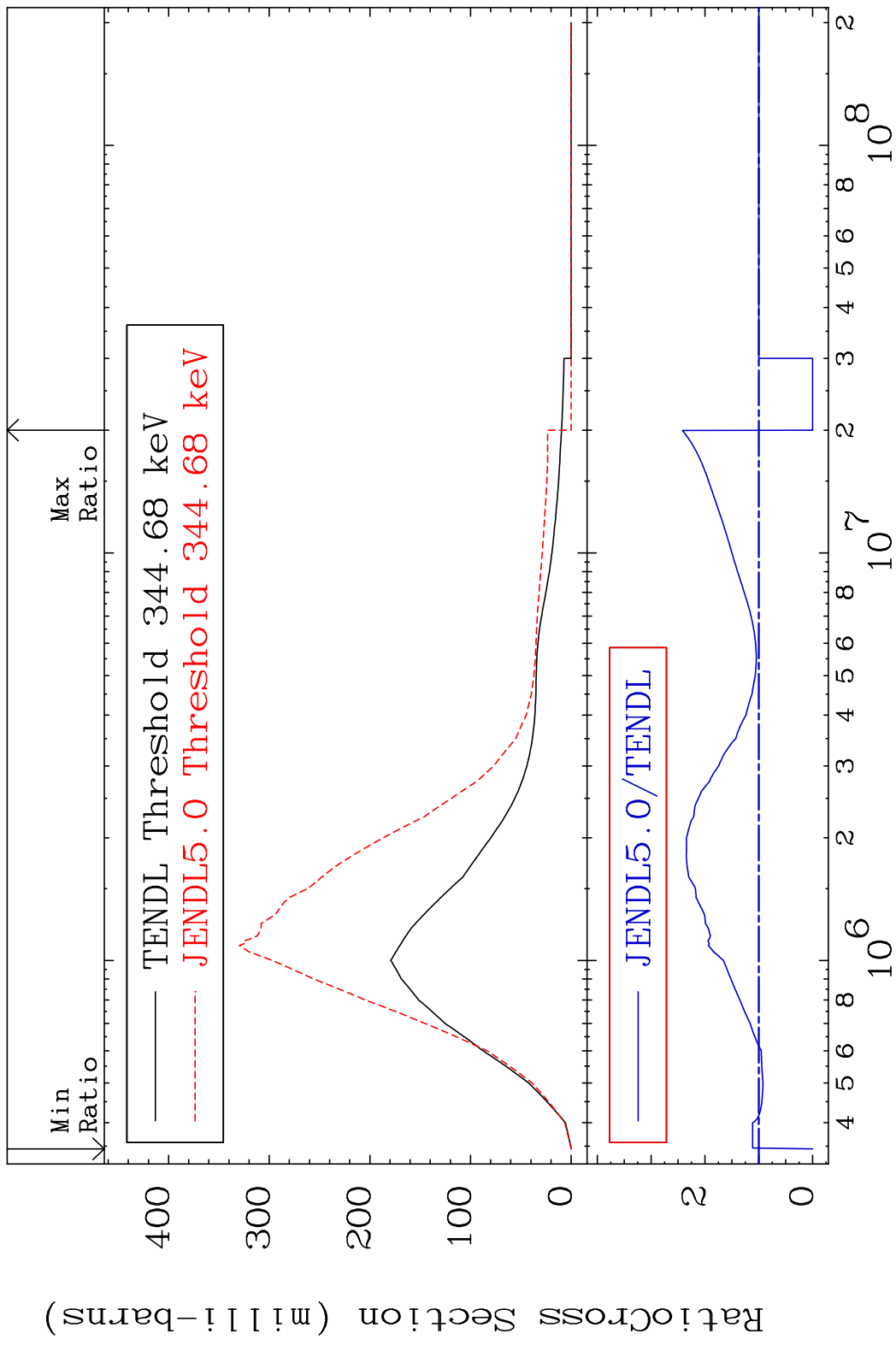


MAT 7419 MT= 51 (n,n') Level 74-W -178
 Cross Section -100.0 To 269.7 %

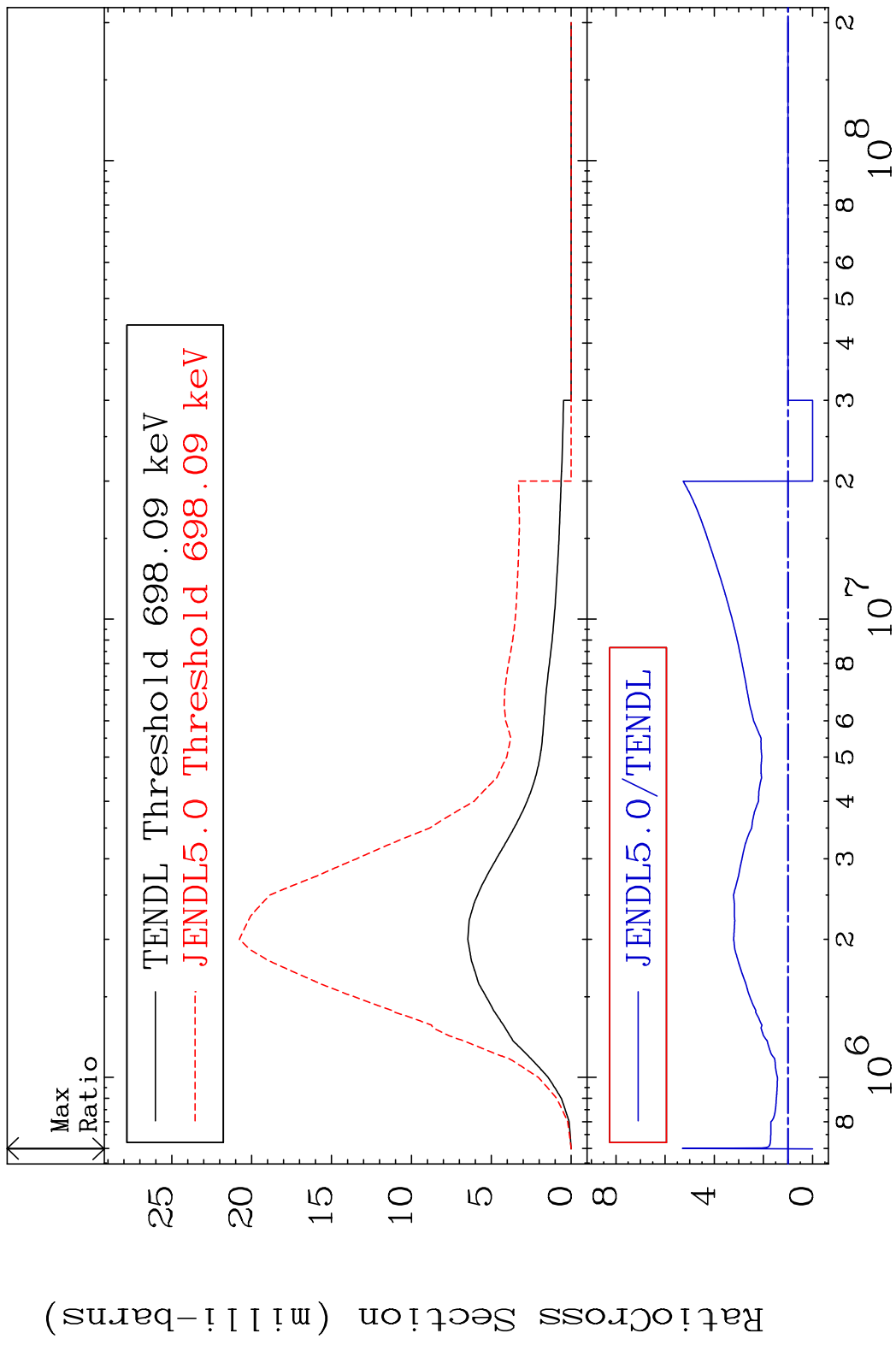


12 Incident Energy (eV) 74-W -178

MAT 7419 MT= 52 (n, n') Level 74-W -178
 Cross Section -100.0 To 142.0 %

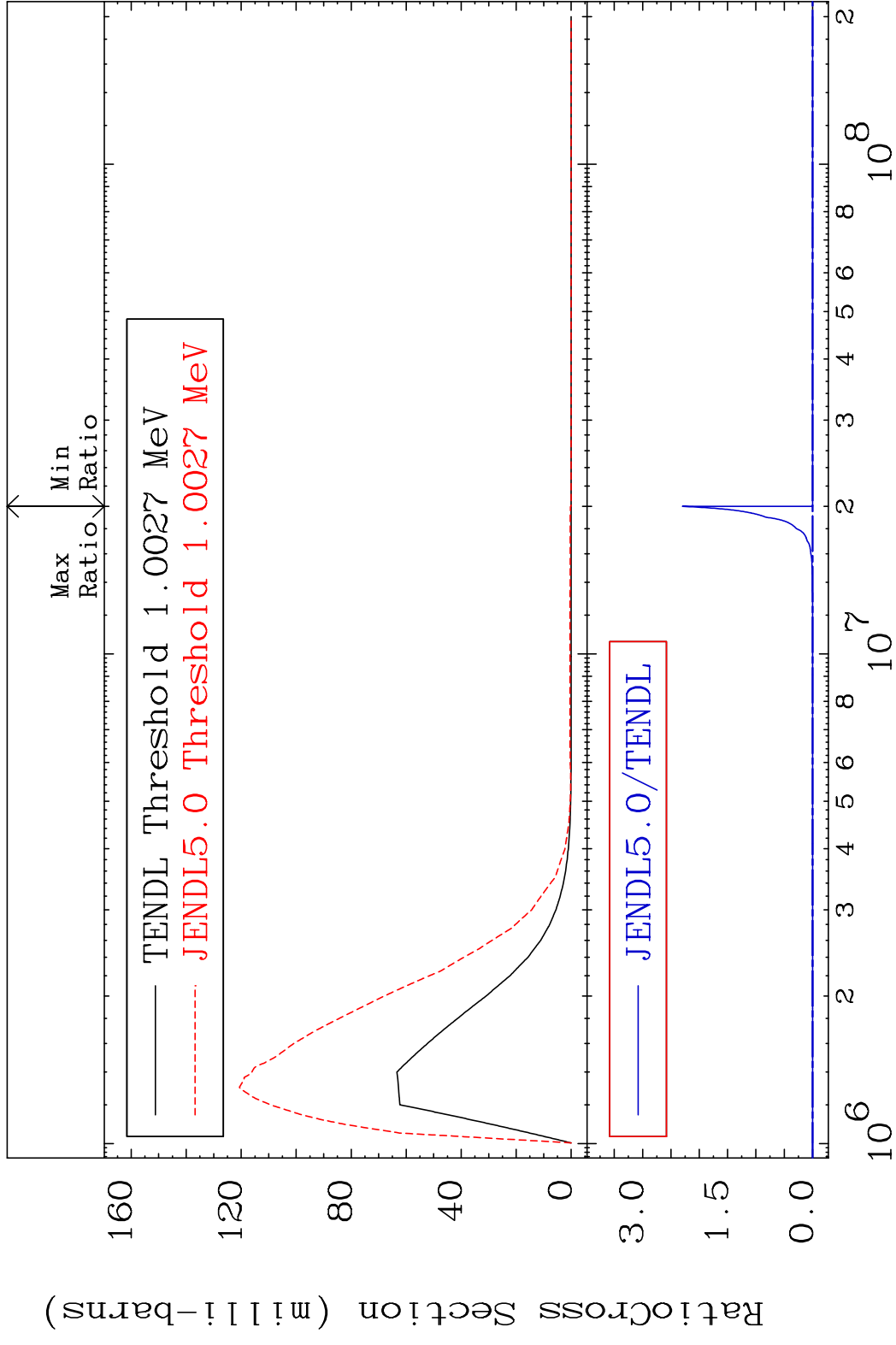


MAT 7419 MT= 53 (n, n') Level 74-W -178
 Cross Section -100.0 To 429.7 %

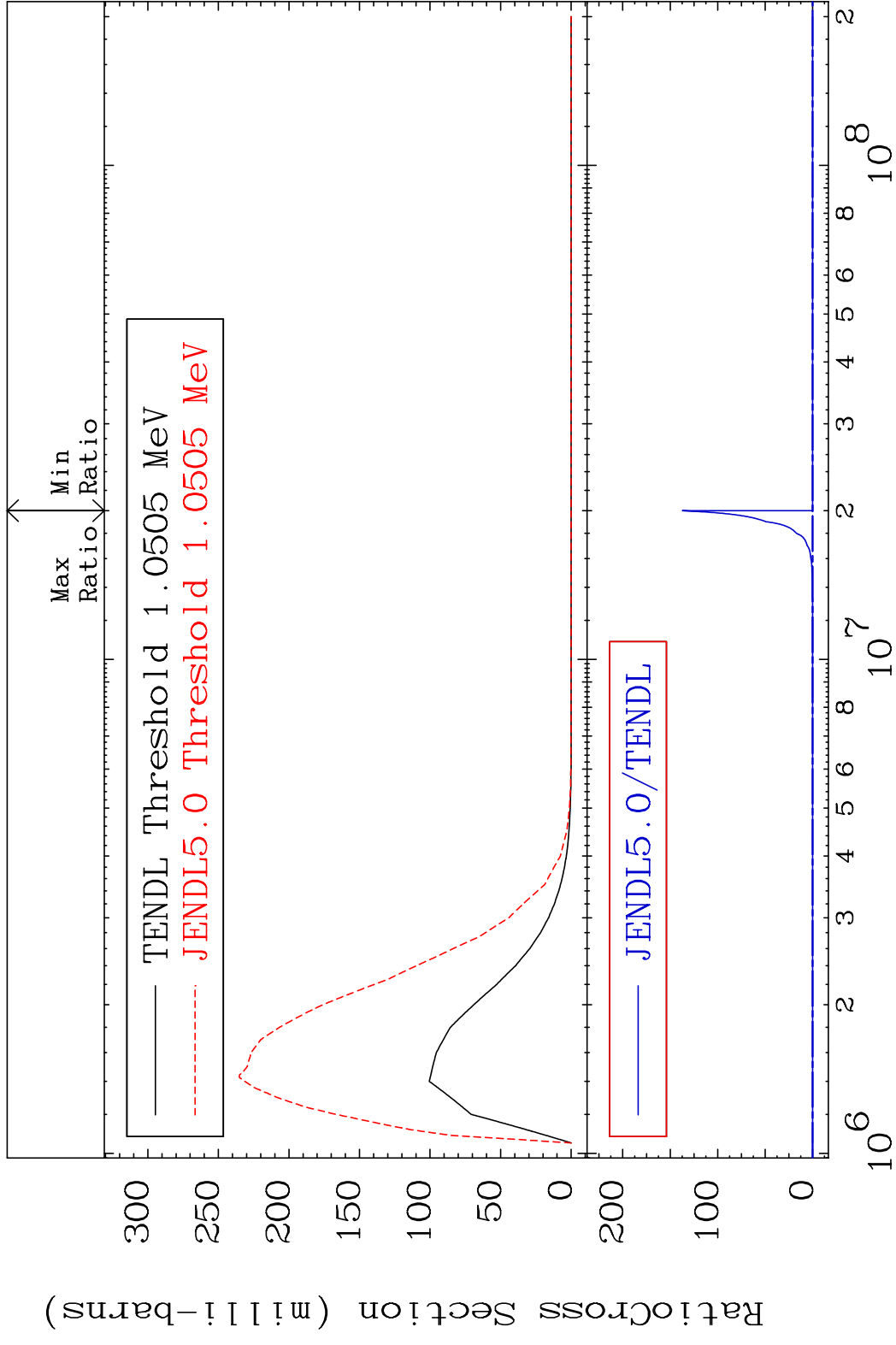


14 Incident Energy (eV) 74-W -178

MAT 7419 MT= 54 (n, n') Level 74-W -178
 Cross Section -100.0 To 9999. %

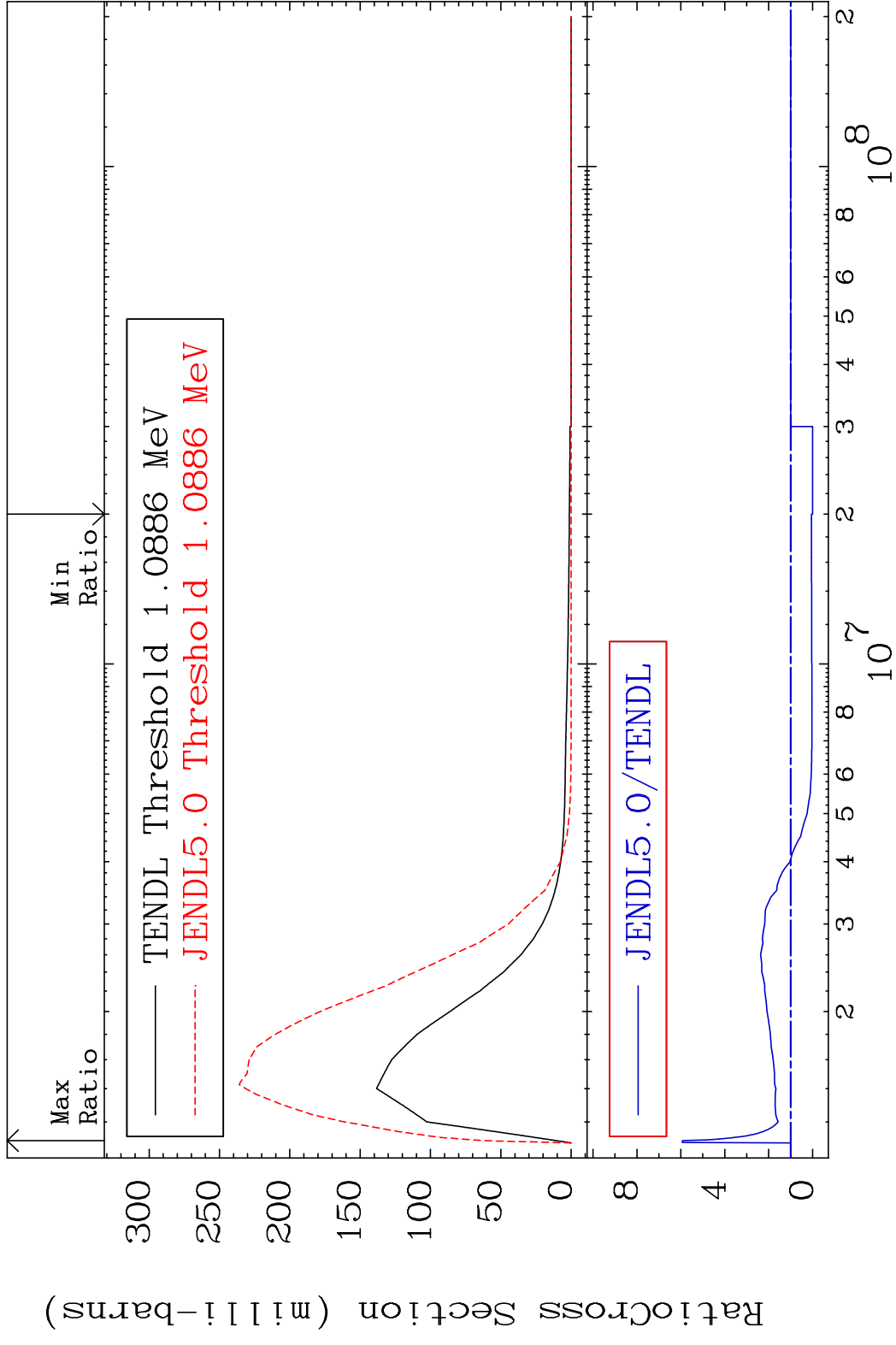


MAT 7419 MT= 55 (n, n') Level 74-W -178
 Cross Section -100.0 To 9999. %

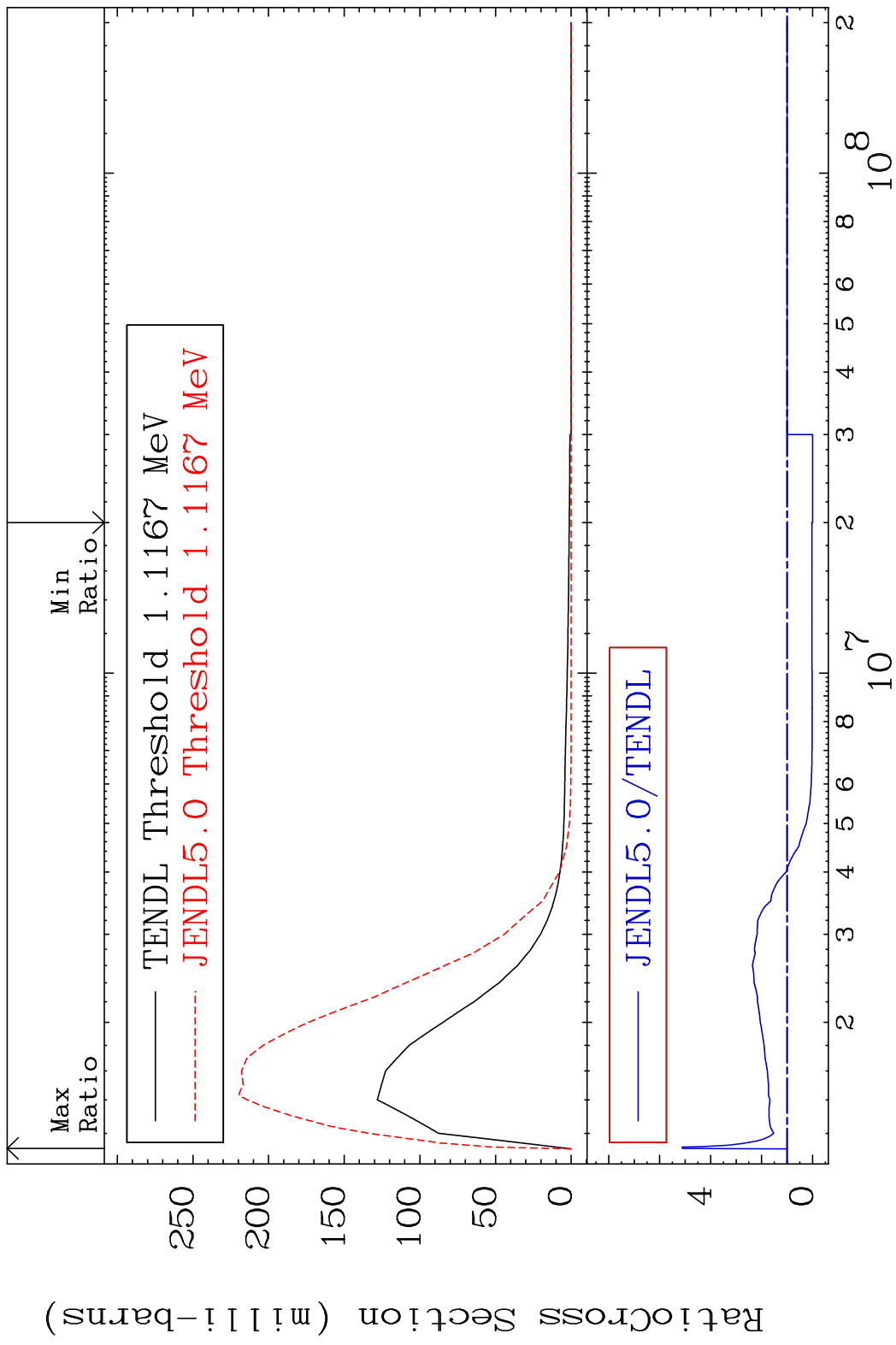


16 Incident Energy (eV) 74-W -178

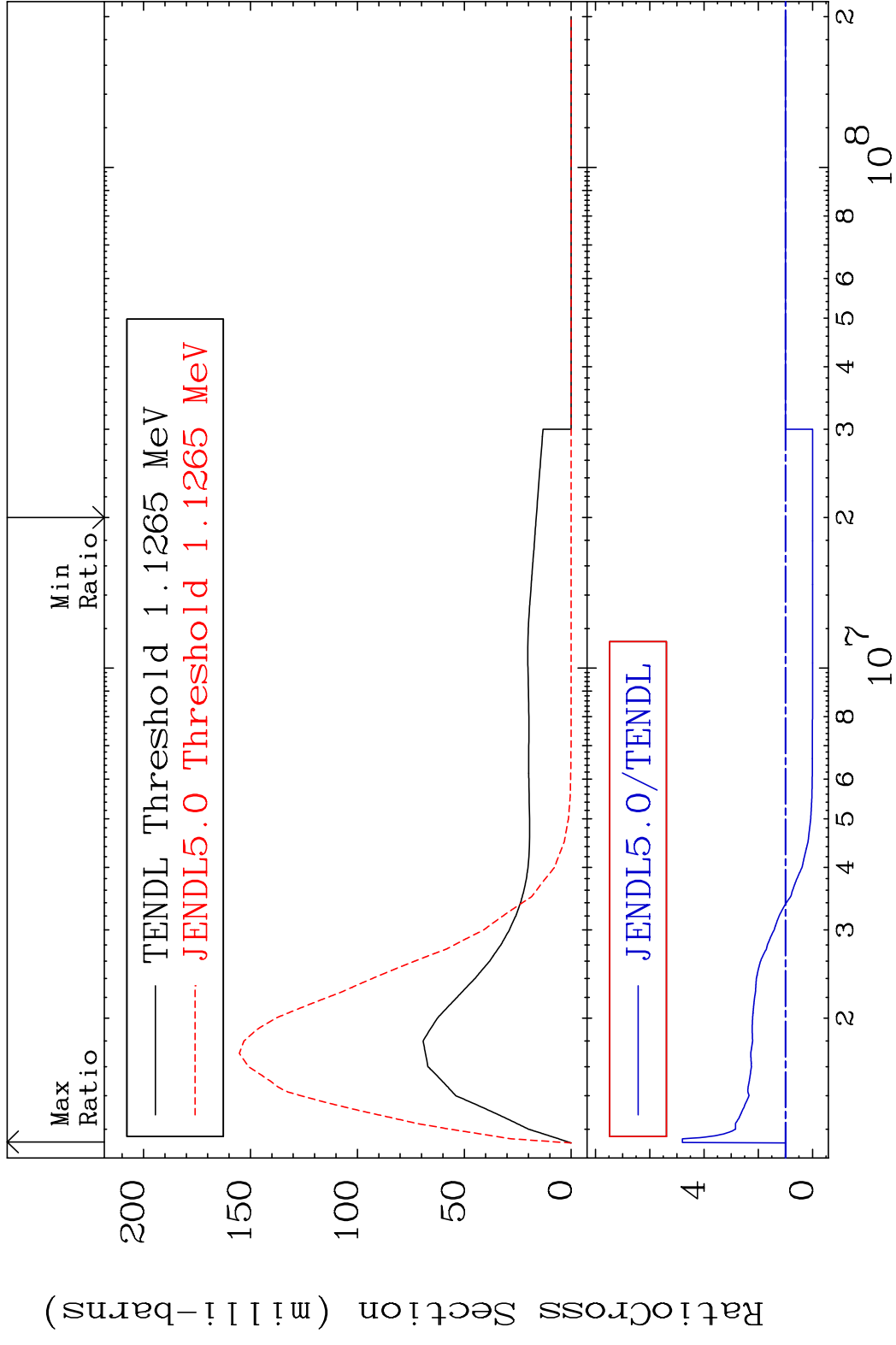
MAT 7419 MT= 56 (n, n') Level 74-W -178
 Cross Section -100.0 To 493.0 %



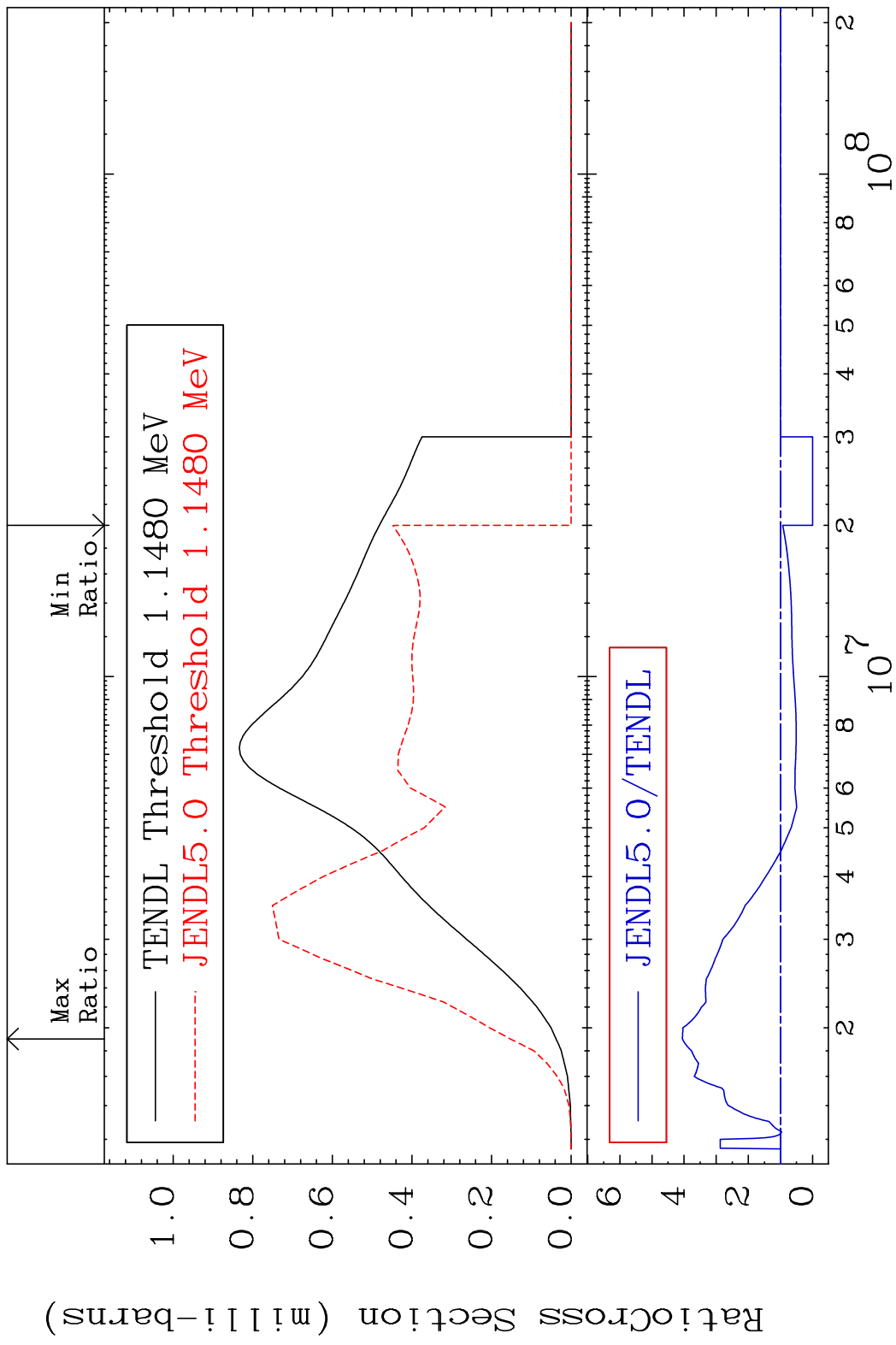
MAT 7419 MT= 57 (n, n') Level 74-W -178
 Cross Section -100.0 To 411.0 %



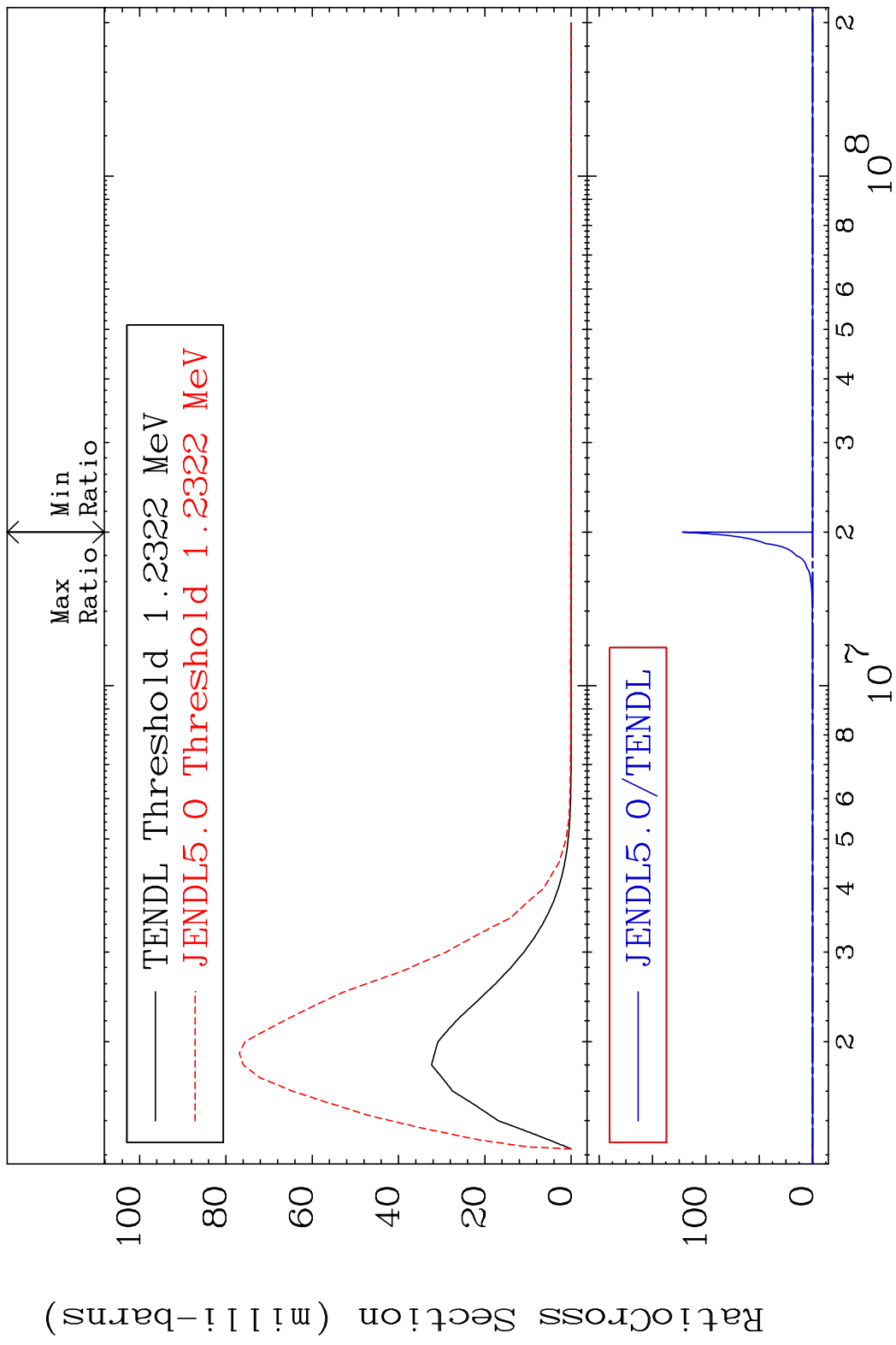
MAT 7419 MT= 58 (n, n') Level 74-W -178
 Cross Section -100.0 To 379.6 %



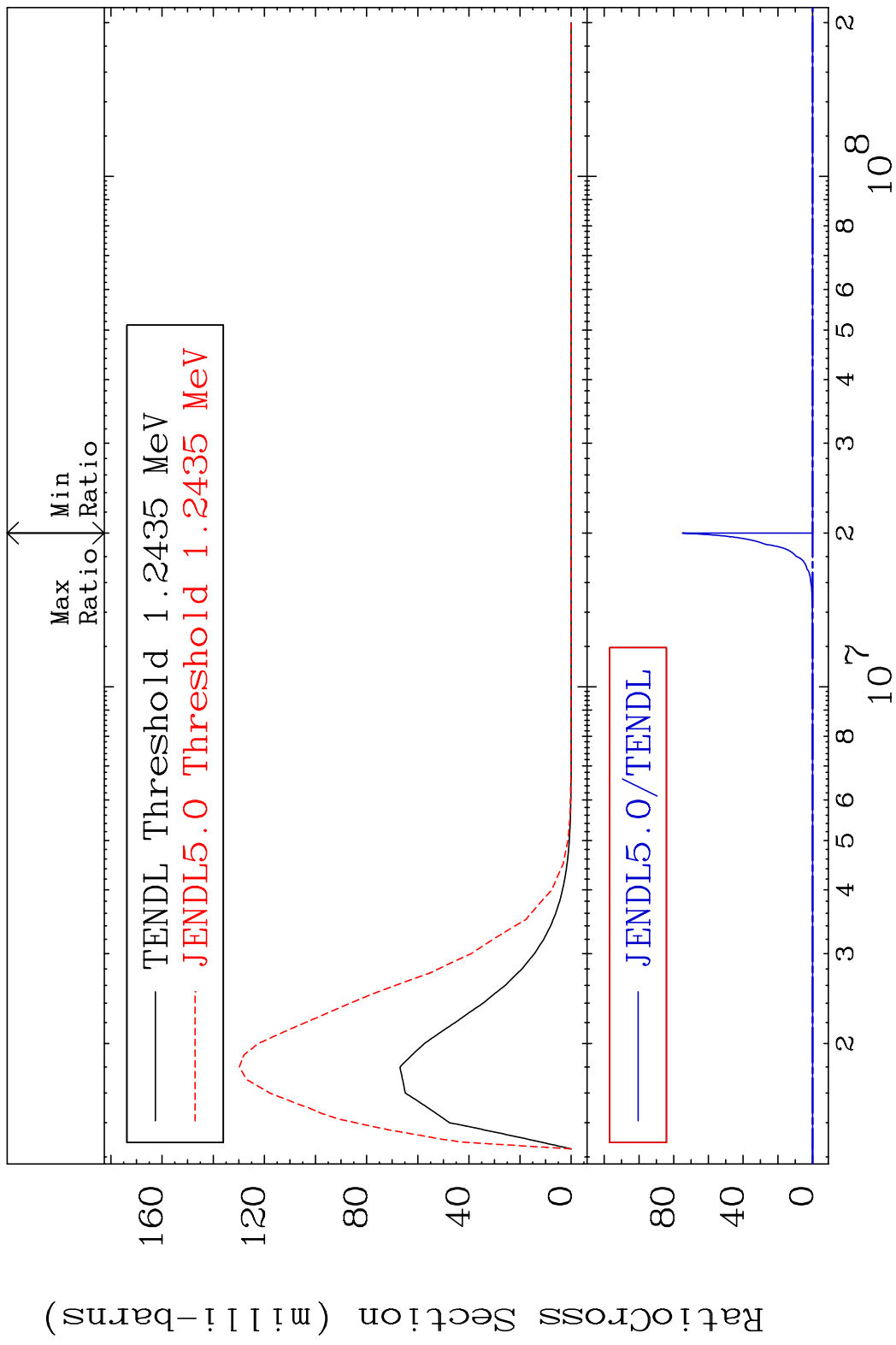
MAT 7419 MT= 59 (n, n') Level 74-W -178
 Cross Section -100.0 To 305.4 %



MAT 7419 MT= 60 (n, n') Level 74-W -178
 Cross Section -100.0 To 9999. %

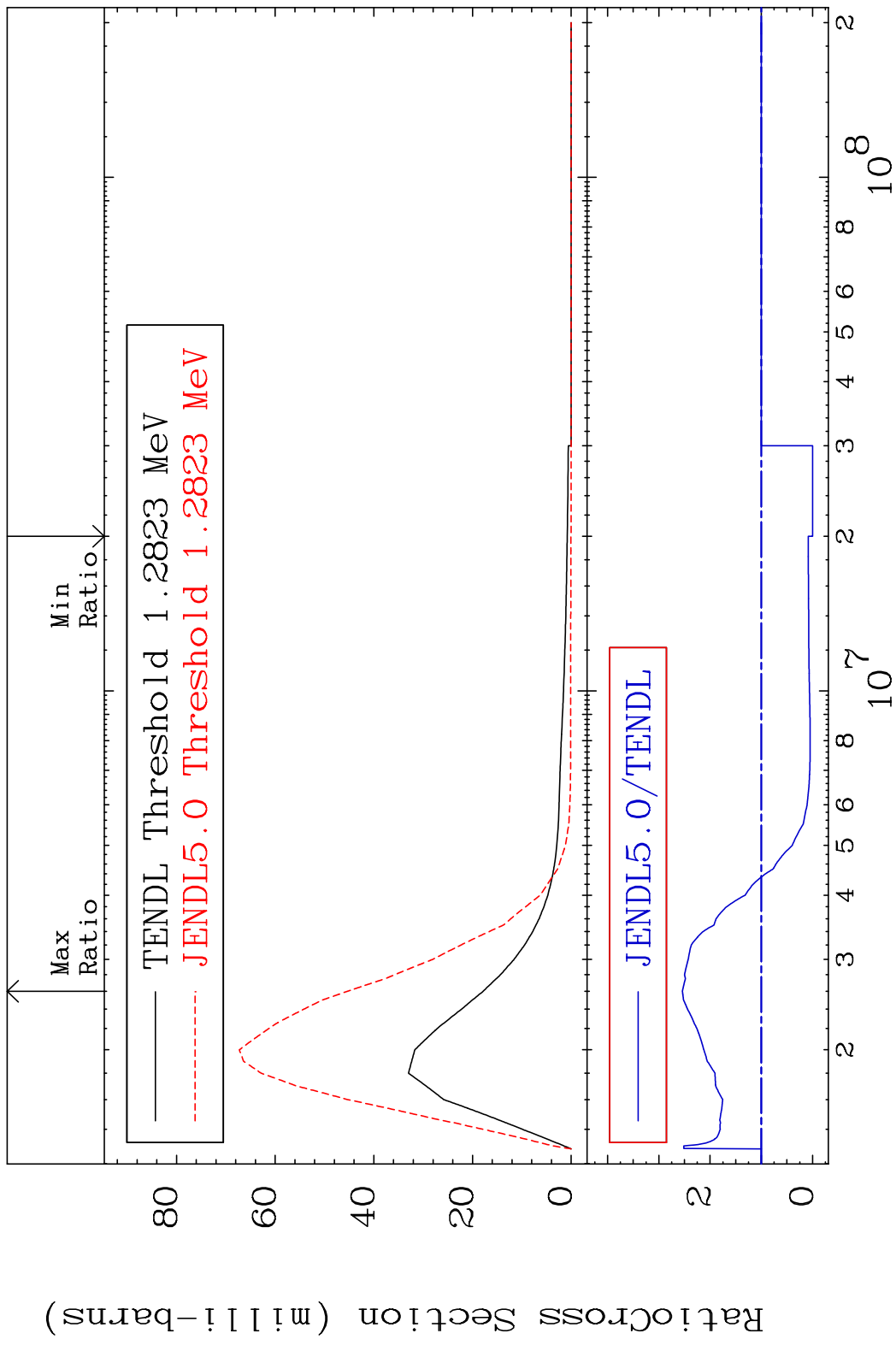


MAT 7419 MT= 61 (n, n') Level 74-W -178
 Cross Section -100.0 To 9999. %

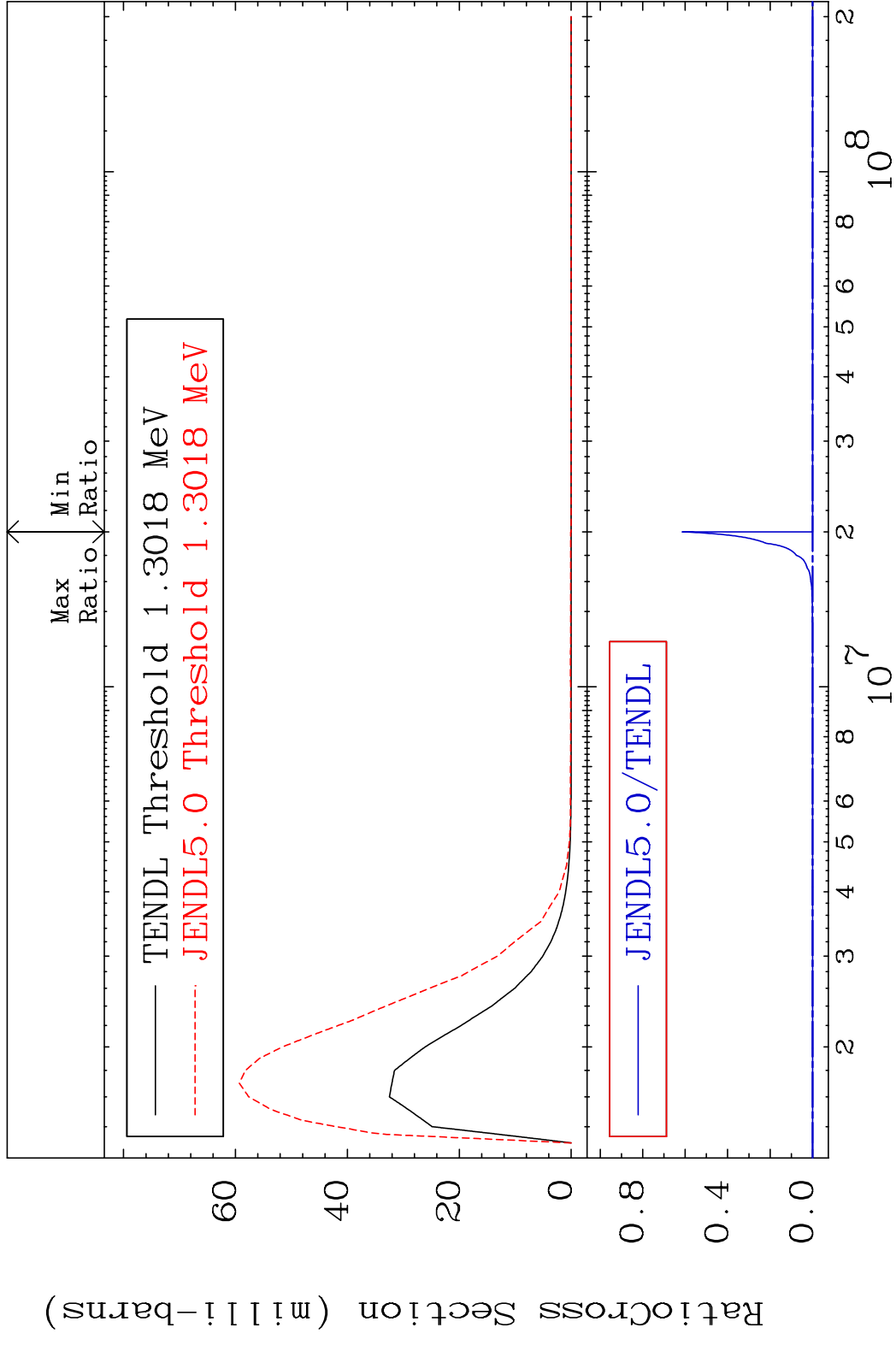


22 Incident Energy (eV) 74-W -178

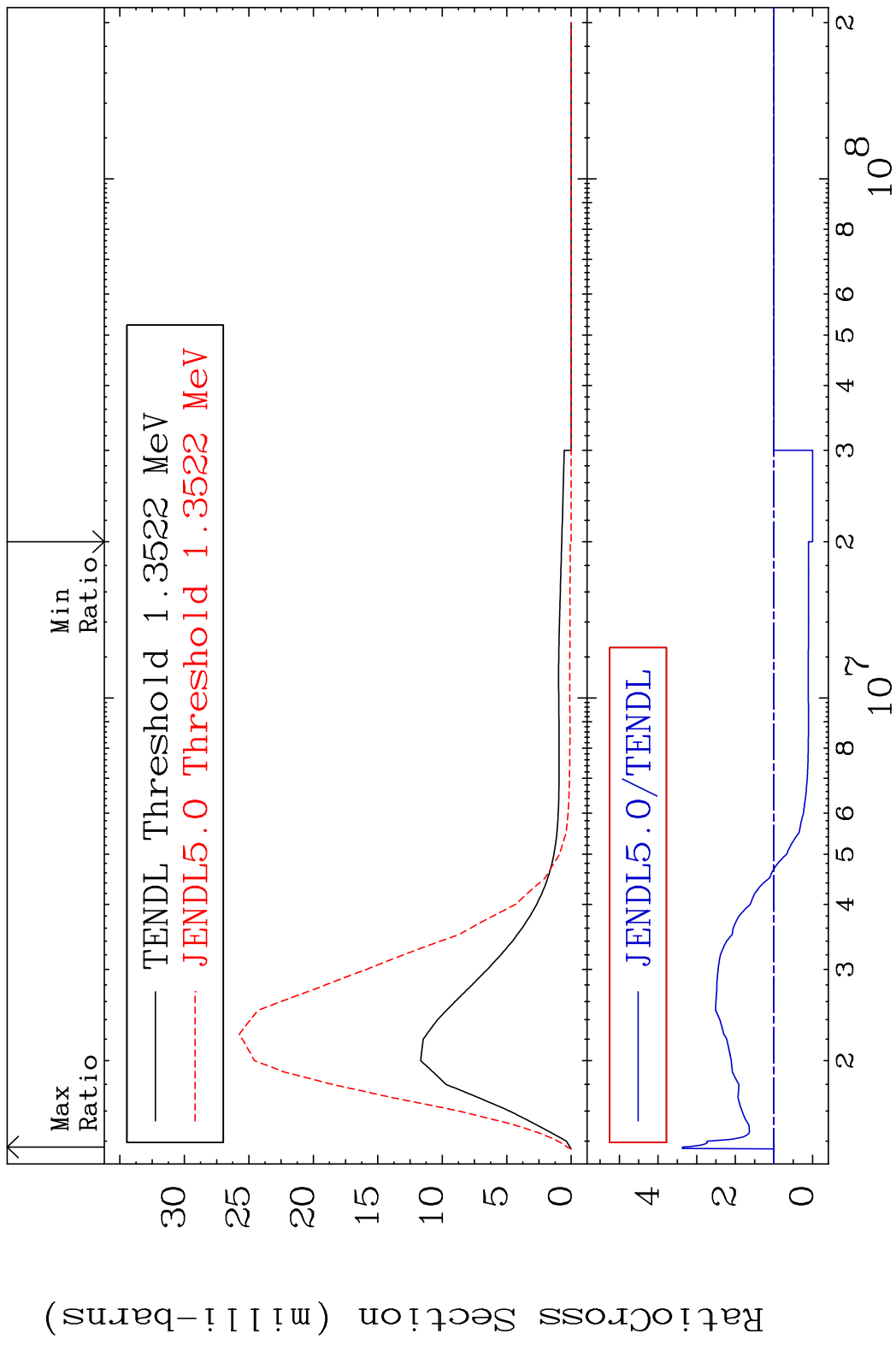
MAT 7419 MT= 62 (n, n') Level 74-W -178
 Cross Section -100.0 To 154.1 %



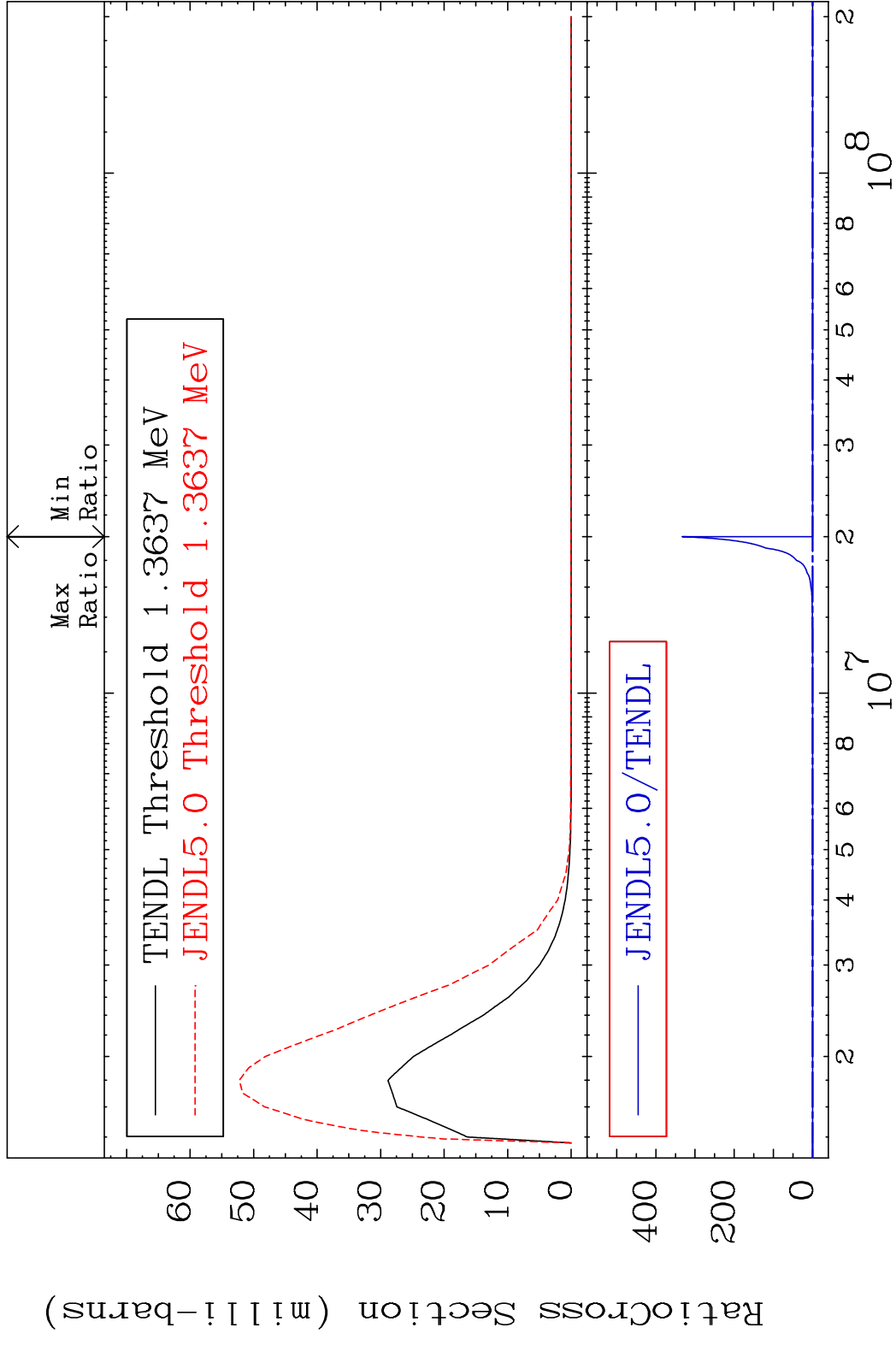
MAT 7419 MT= 63 (n, n') Level 74-W -178
 Cross Section -100.0 To 9999. %



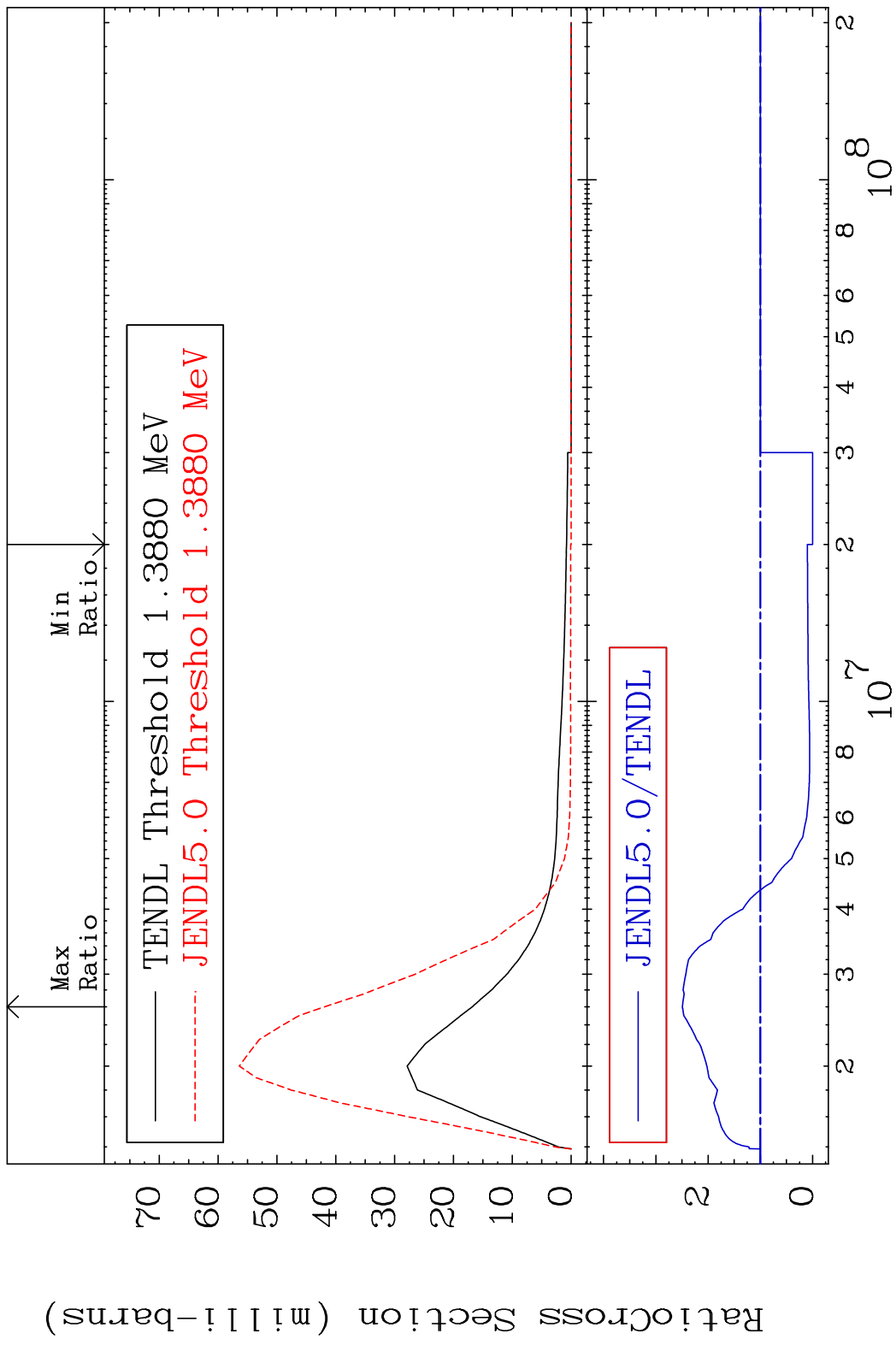
MAT 7419 MT= 64 (n, n') Level 74-W -178
 Cross Section -100.0 To 237.0 %



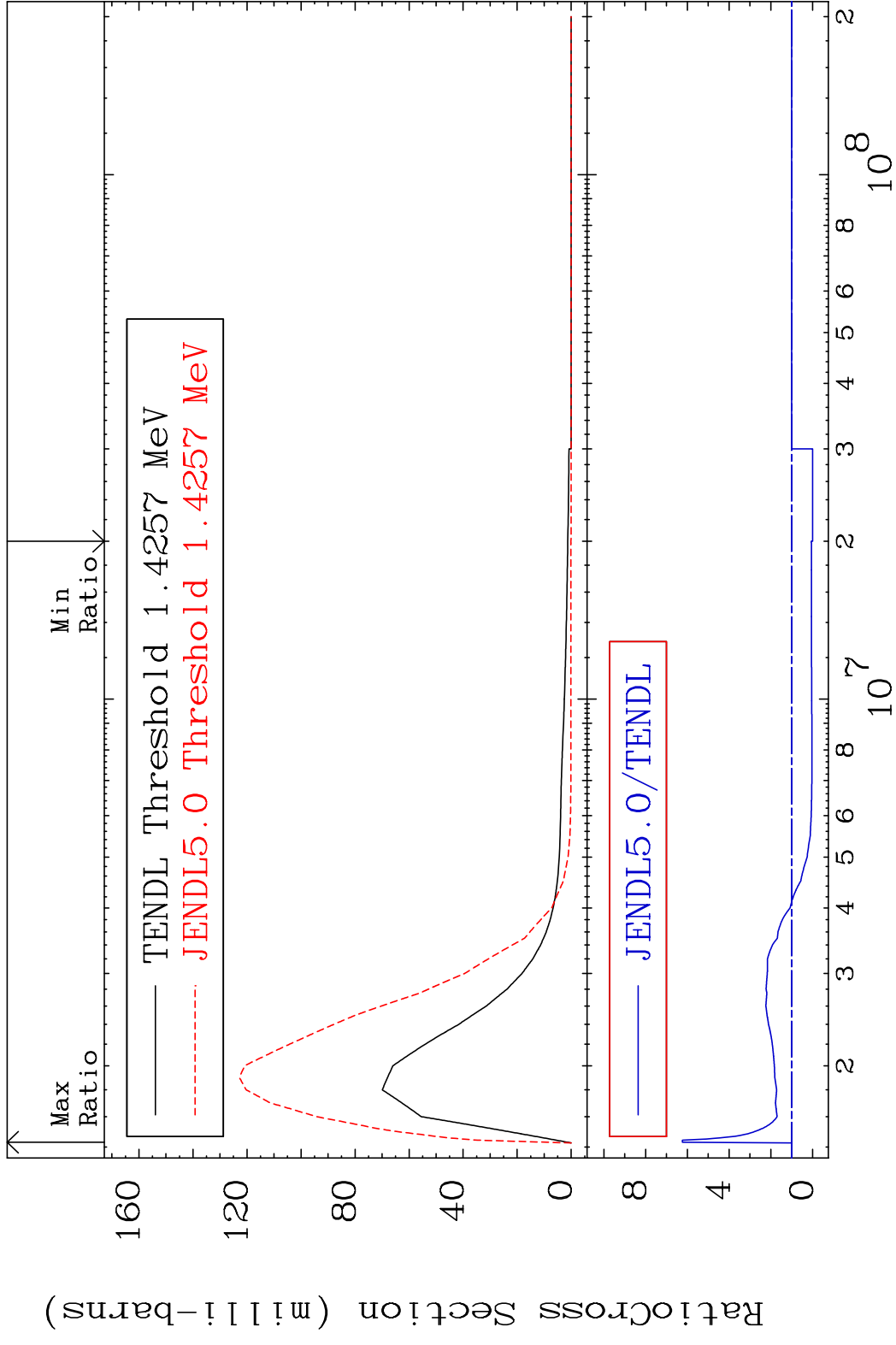
MAT 7419 MT= 65 (n, n') Level 74-W -178
 Cross Section -100.0 To 9999. %



MAT 7419 MT= 66 (n, n') Level 74-W -178
 Cross Section -100.0 To 149.2 %

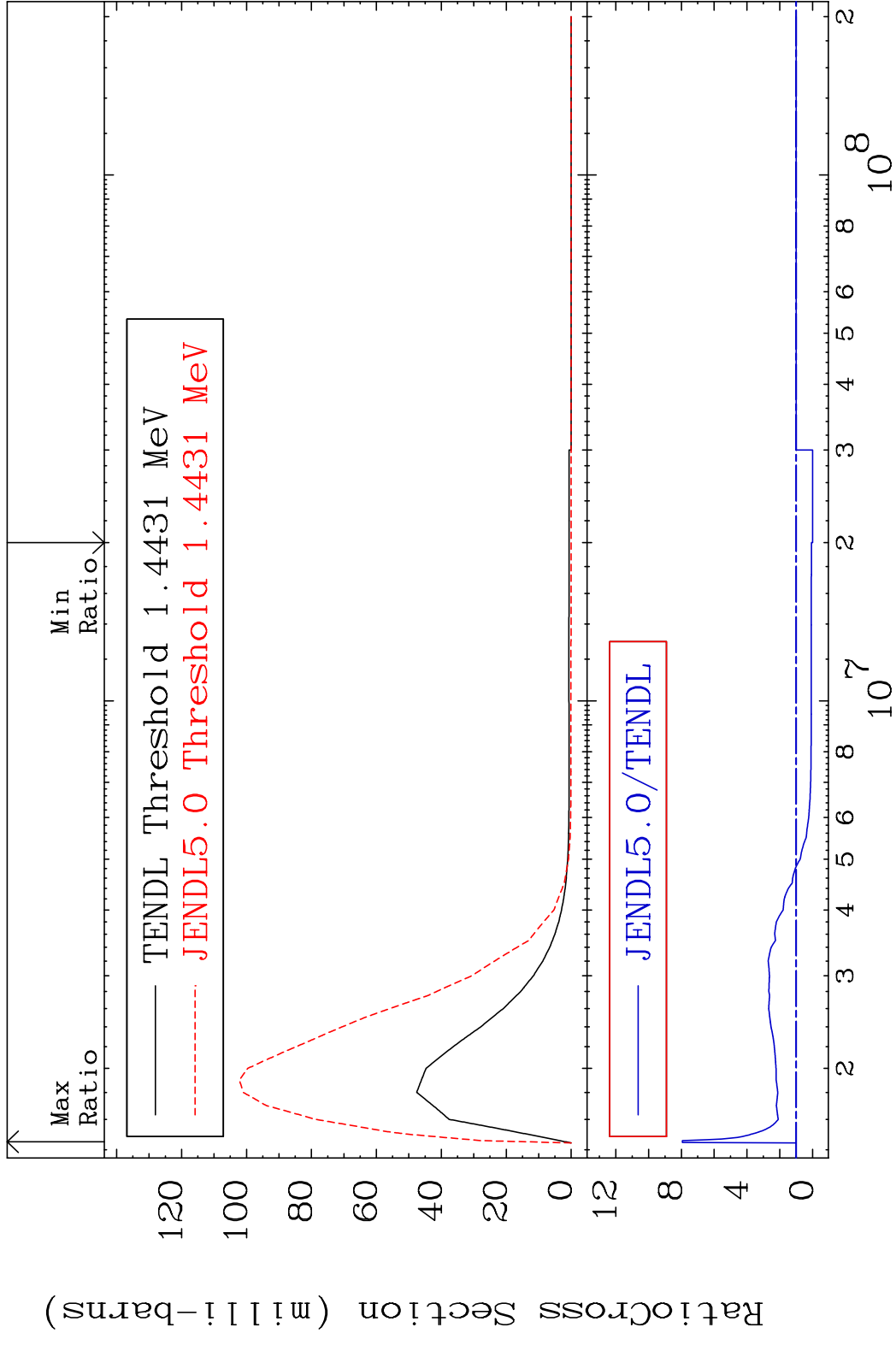


MAT 7419 MT= 67 (n,n') Level 74-W -178
 Cross Section -100.0 To 524.0 %

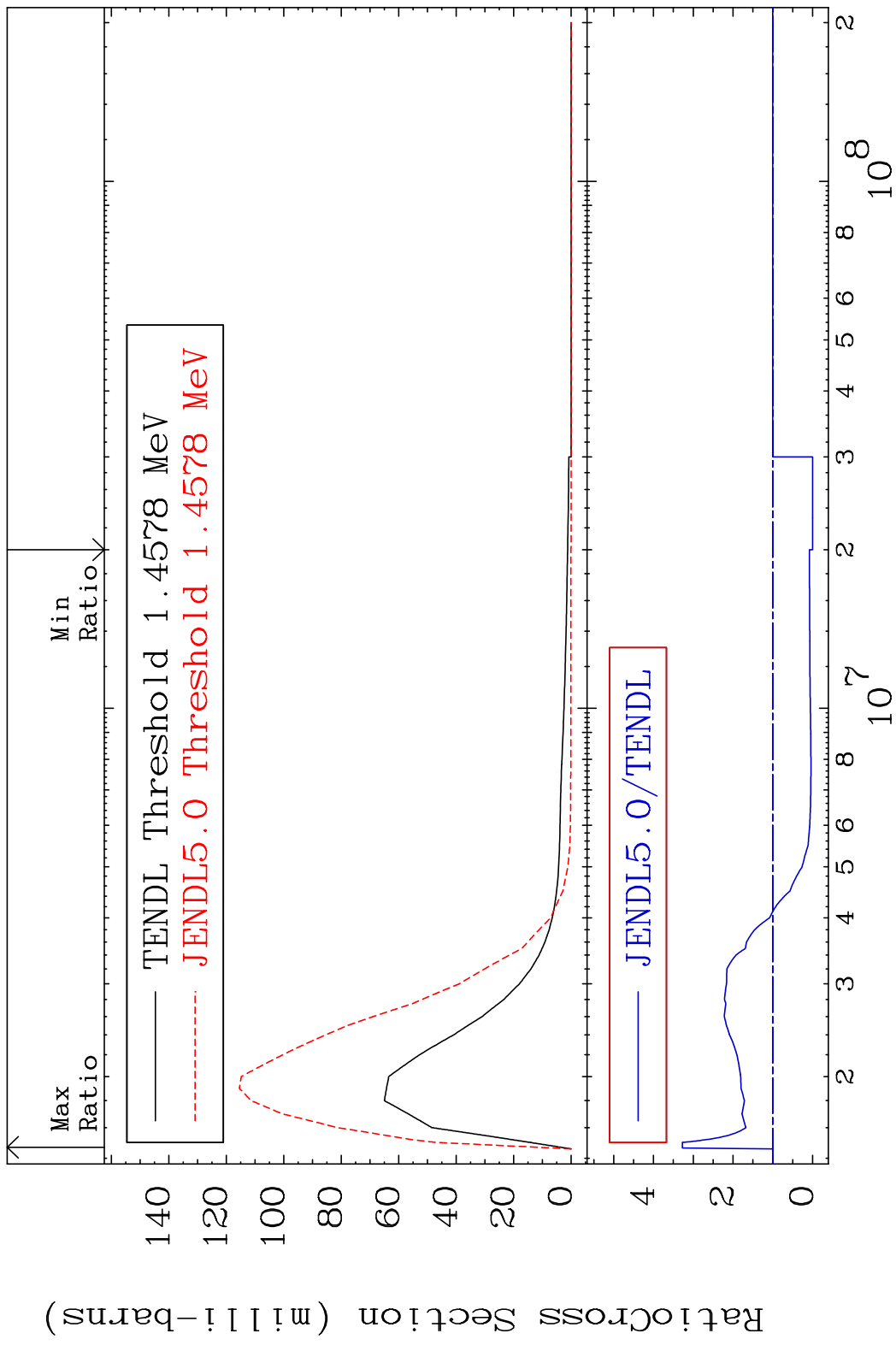


28 Incident Energy (eV) 74-W -178

MAT 7419 MT= 68 (n, n') Level 74-W -178
 Cross Section -100.0 To 694.1 %

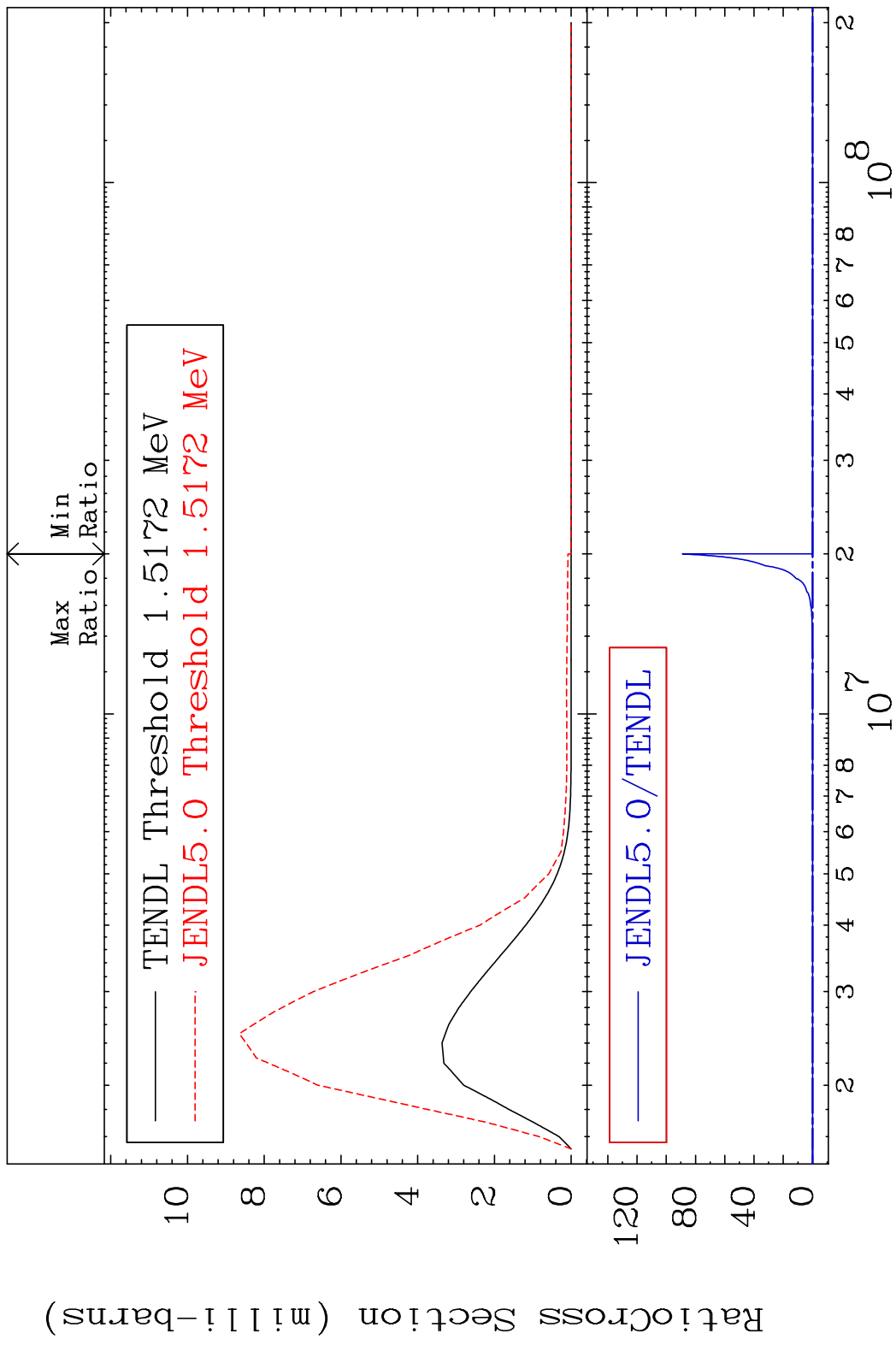


MAT 7419 MT= 69 (n, n') Level 74-W -178
 Cross Section -100.0 To 227.4 %



30 Incident Energy (eV) 74-W -178

MAT 7419 MT= 70 (n, n') Level 74-W -178
 Cross Section -100.0 To 9999. %

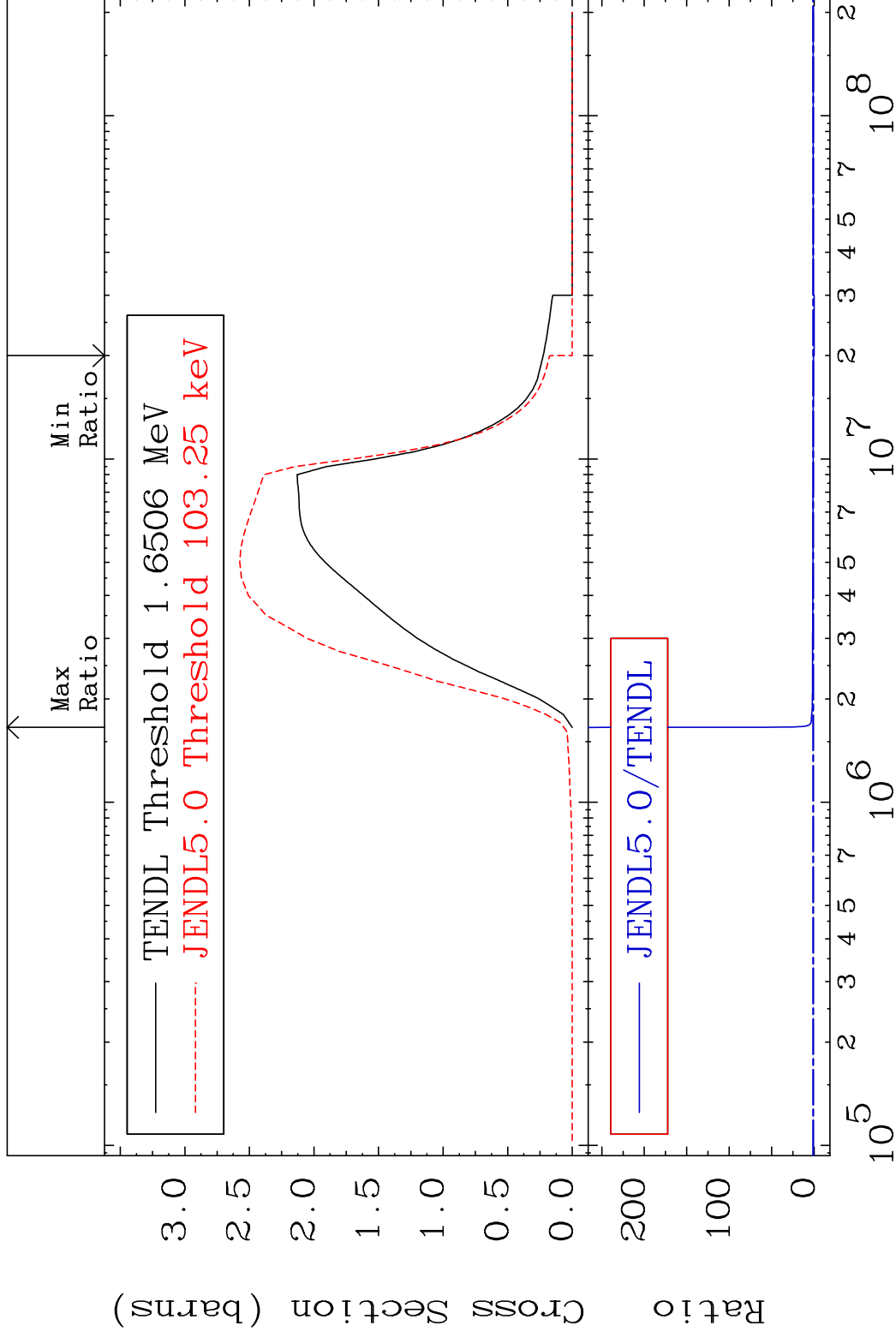


MAT 7419

(n,n') Continuum

74-W -178

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

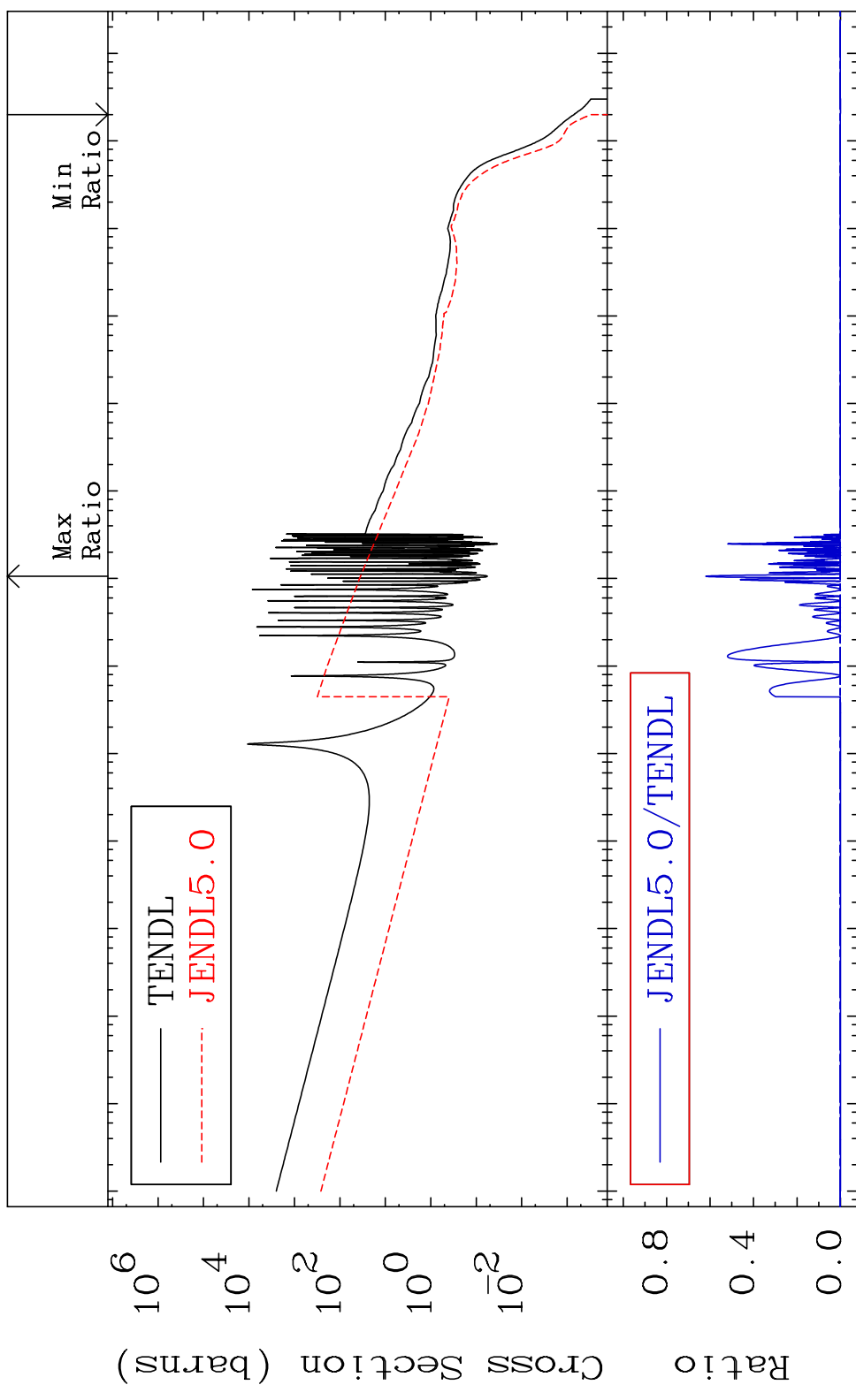
74-W -178

MAT 7419

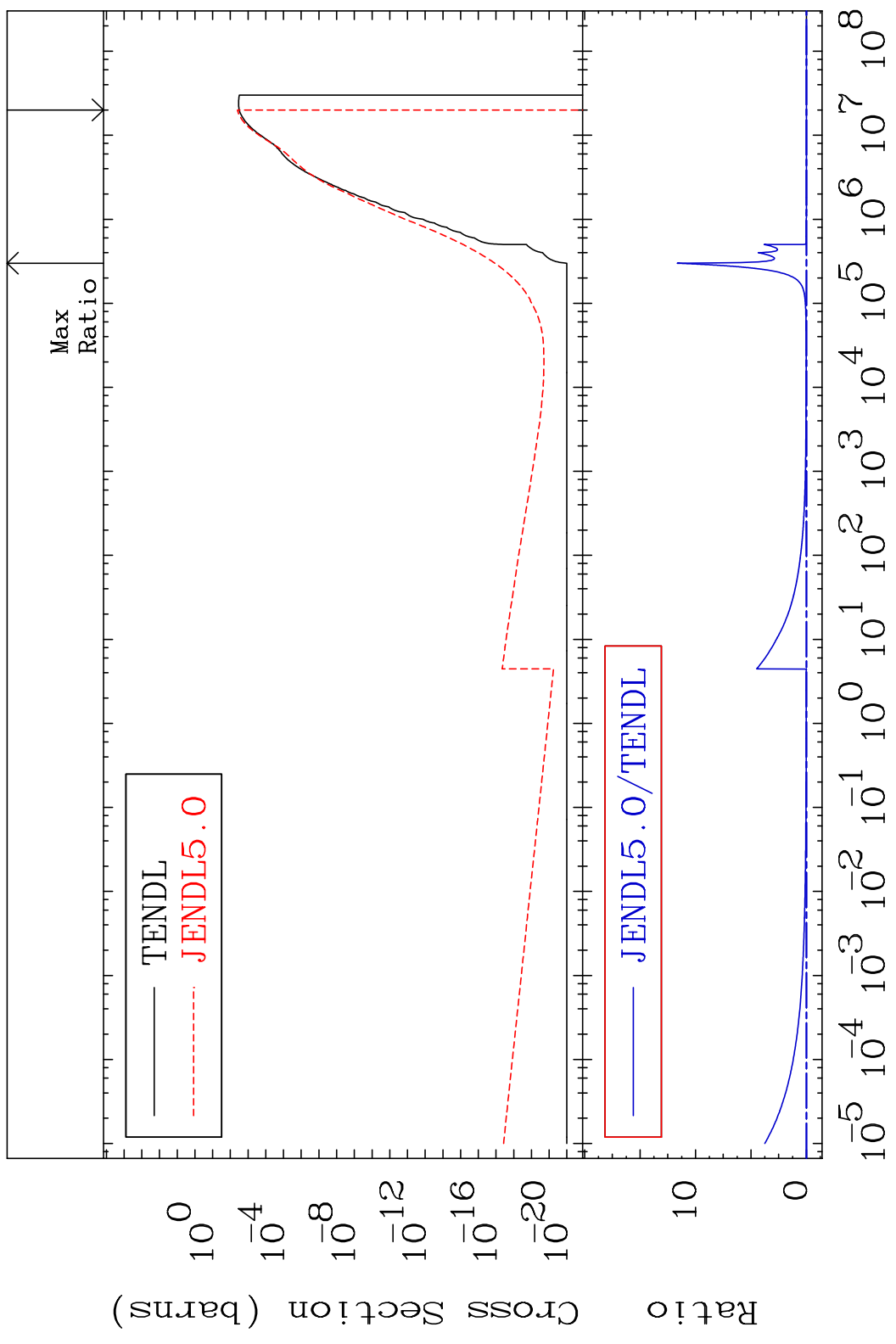
(n, γ)

74-W -178

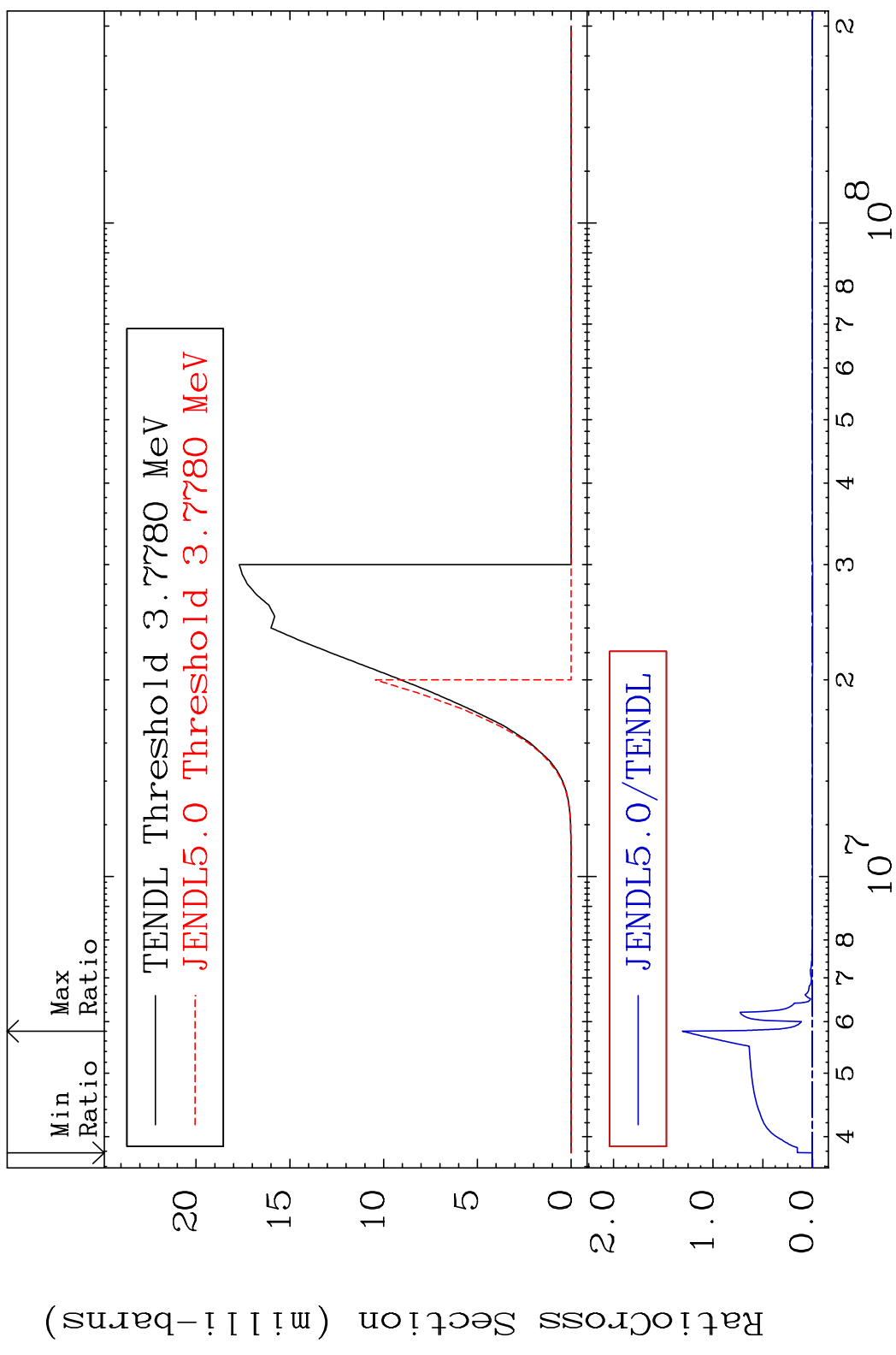
Cross Section -100.0 To 9999. %



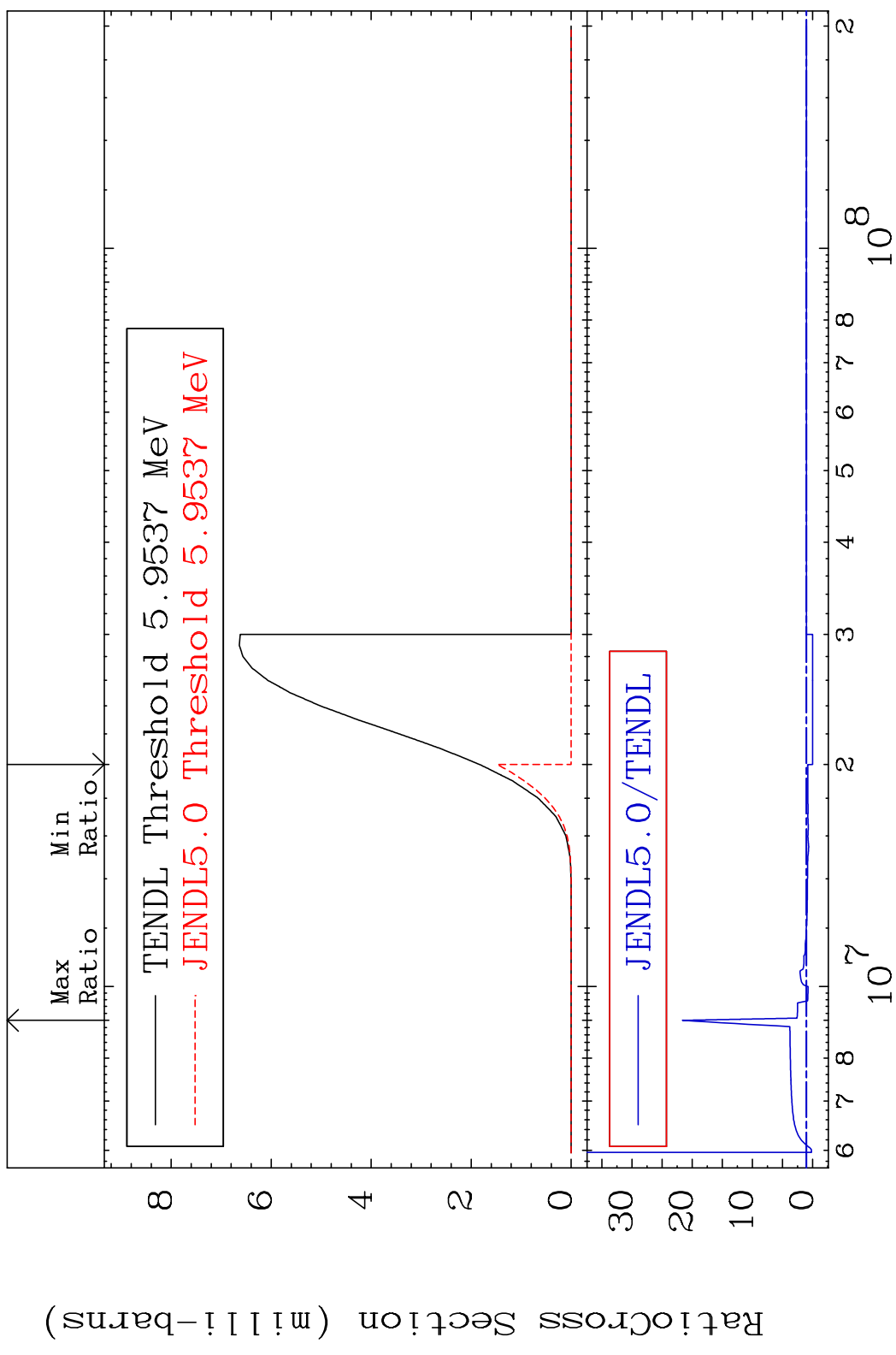
Cross Section -100.0 To 9999. %



Cross Section -100.0 To 9999. %



Cross Section -100.0 To 2063. %

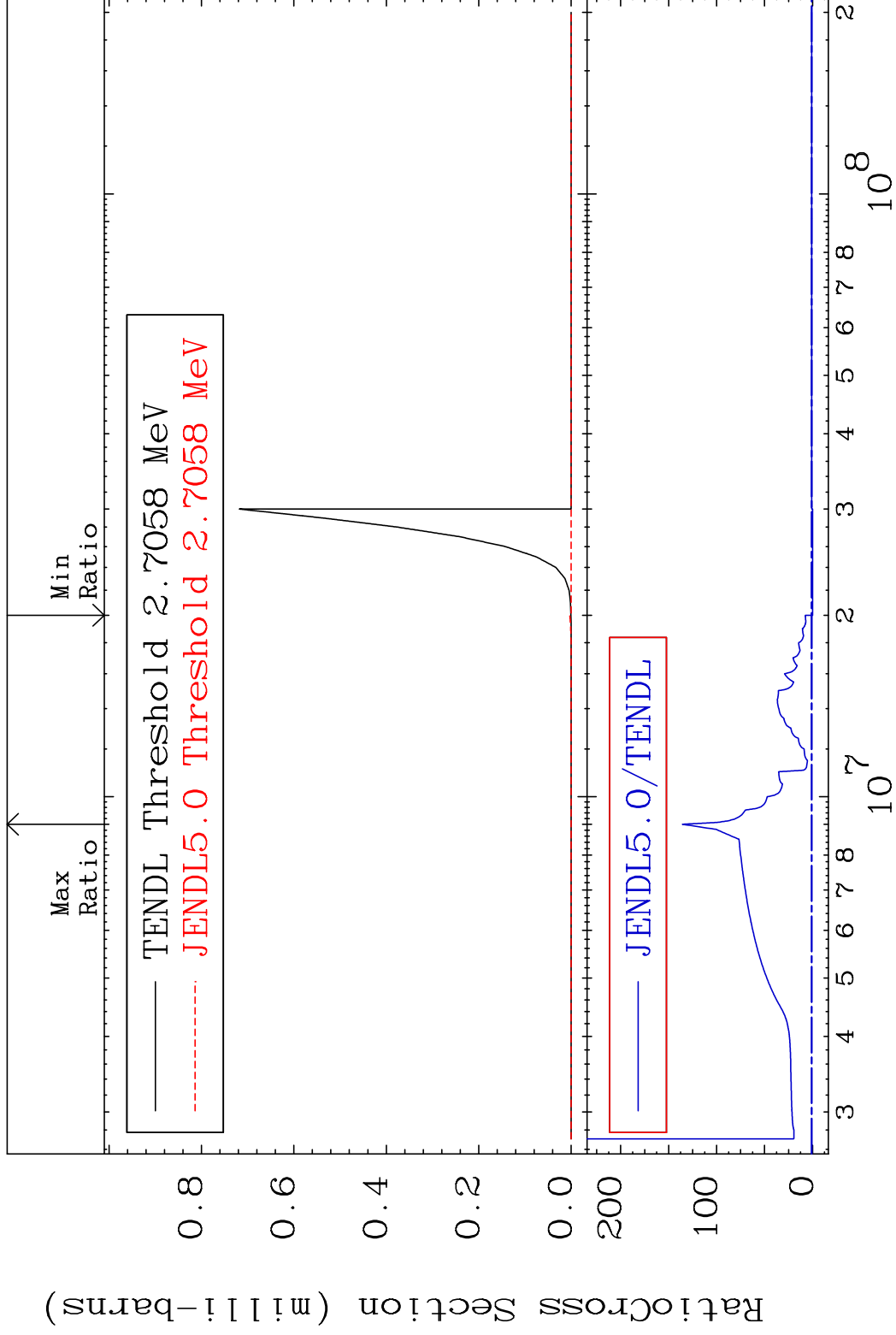


MAT 7419

(n, He-3)

74-W -178

Cross Section -100.0 To 9999. %



37

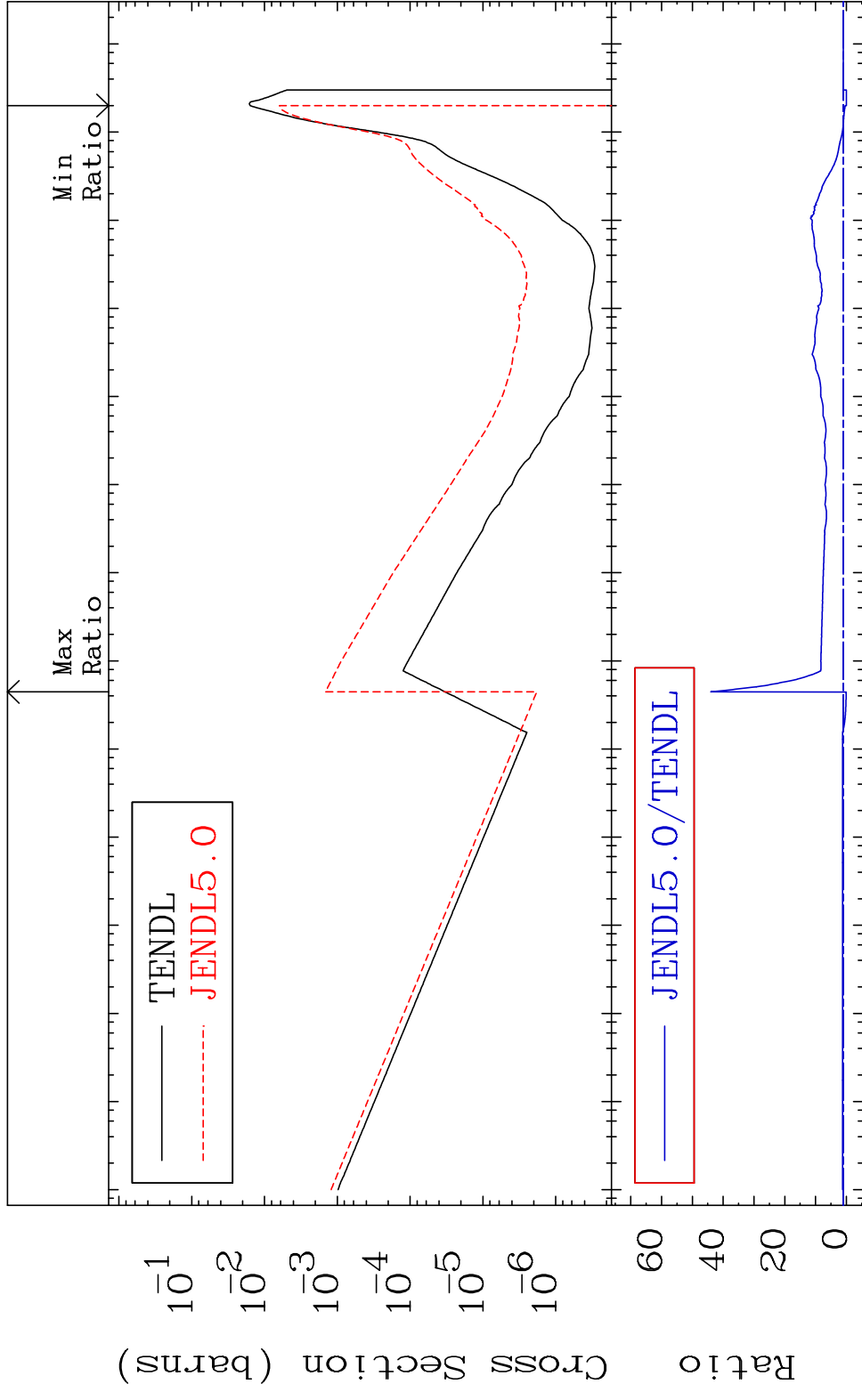
Incident Energy (eV)

74-W -178

MAT 7419

74-W -178

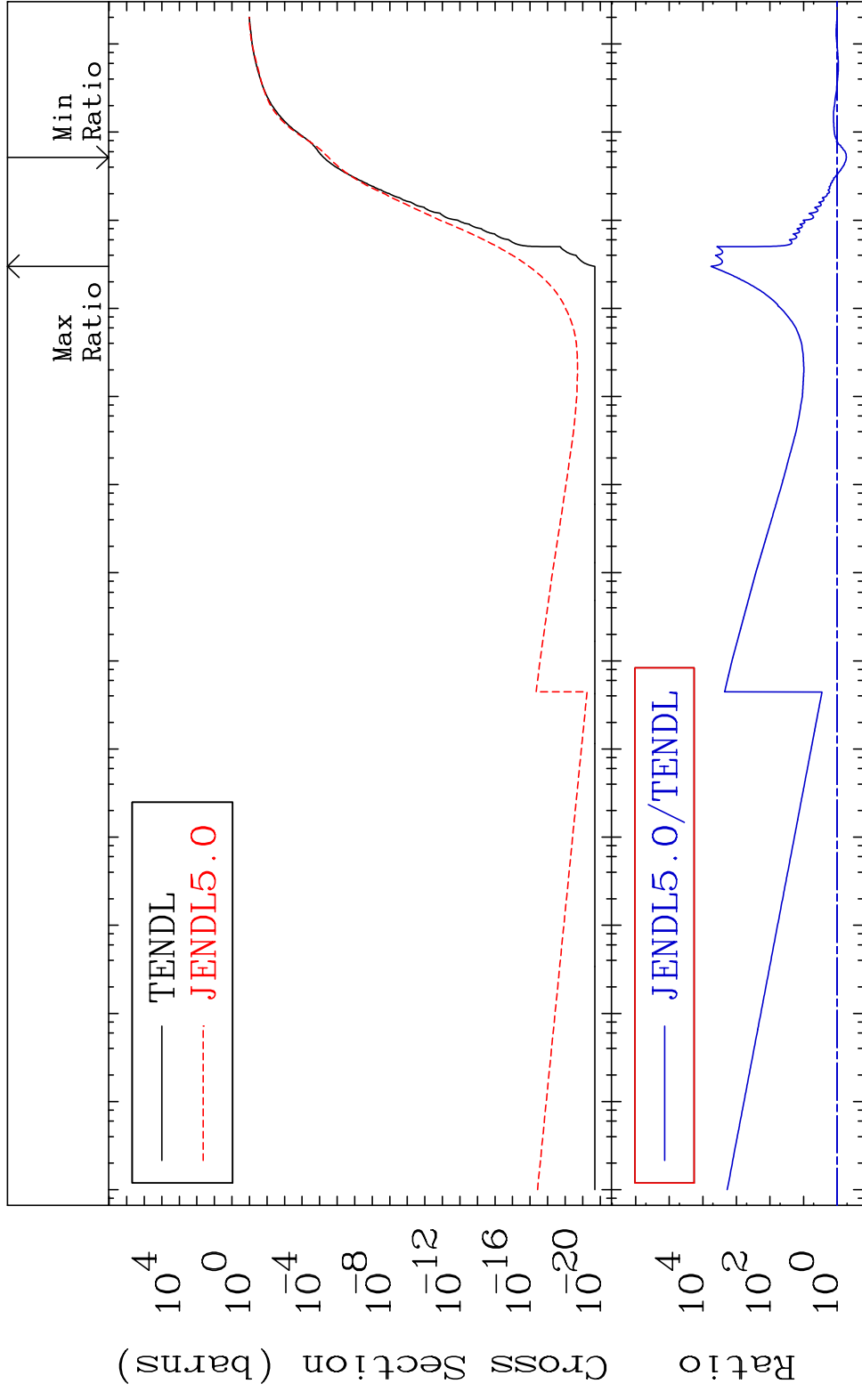
(n, α)
Cross Section -100.0 To 4304. %



MAT 7419

Hydrogen Production
Cross Section -47.02 To 9999. %

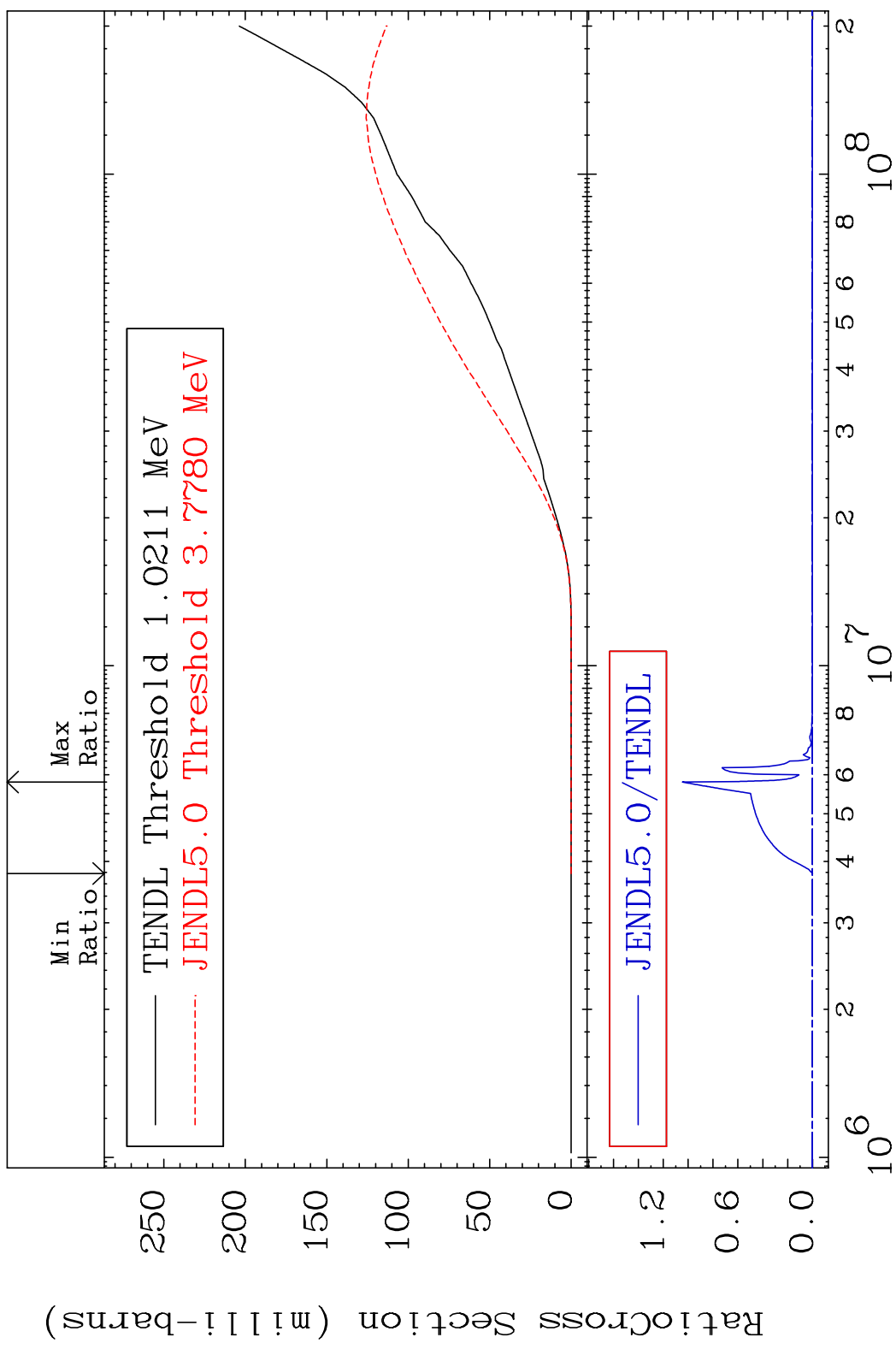
74-W -178



MAT 7419

Deuterium Production 74-W -178

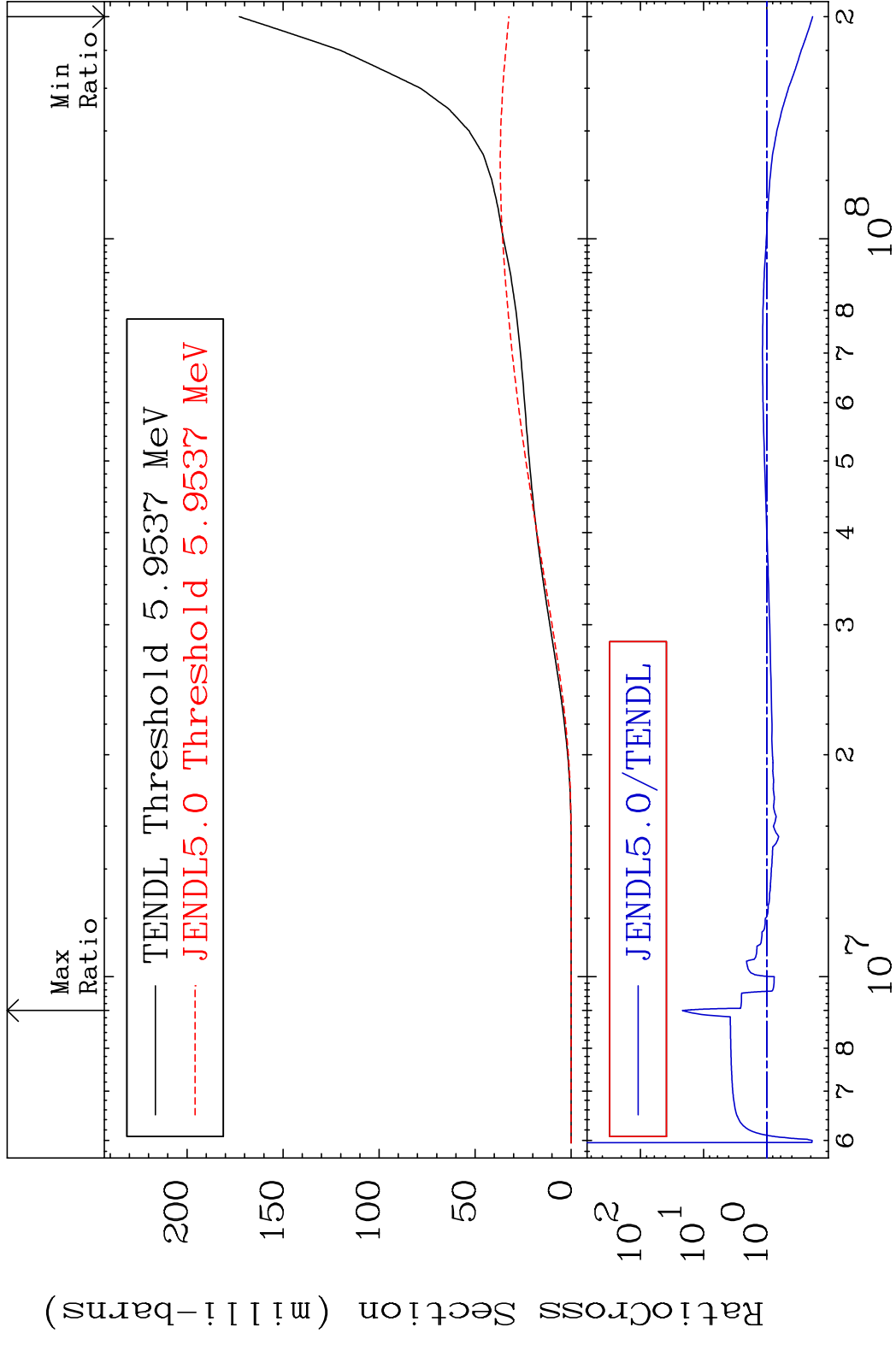
Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

74-W -178

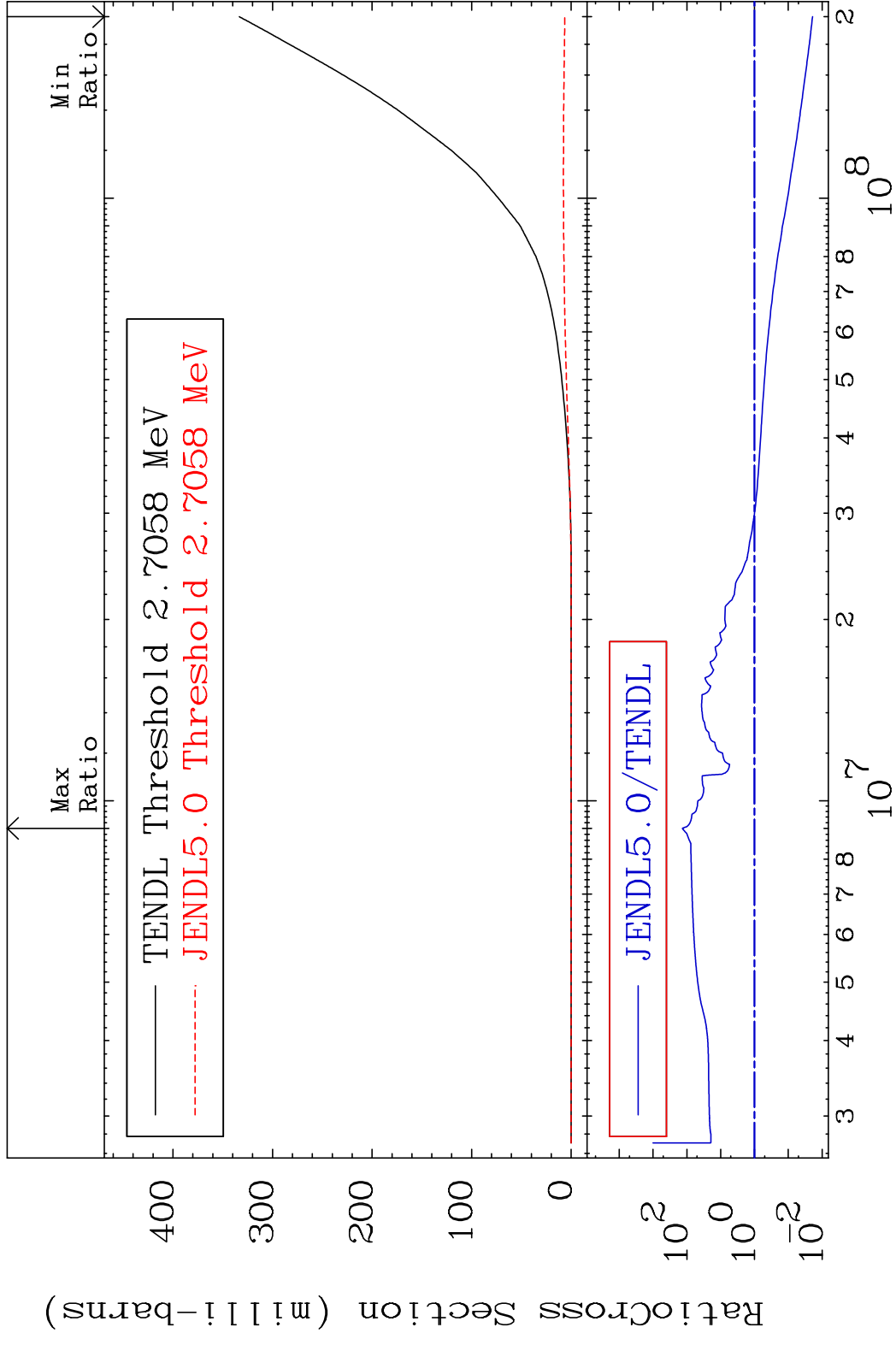


MAT 7419

He-3 Production

74-W -178

Cross Section -98.08 To 9999. %



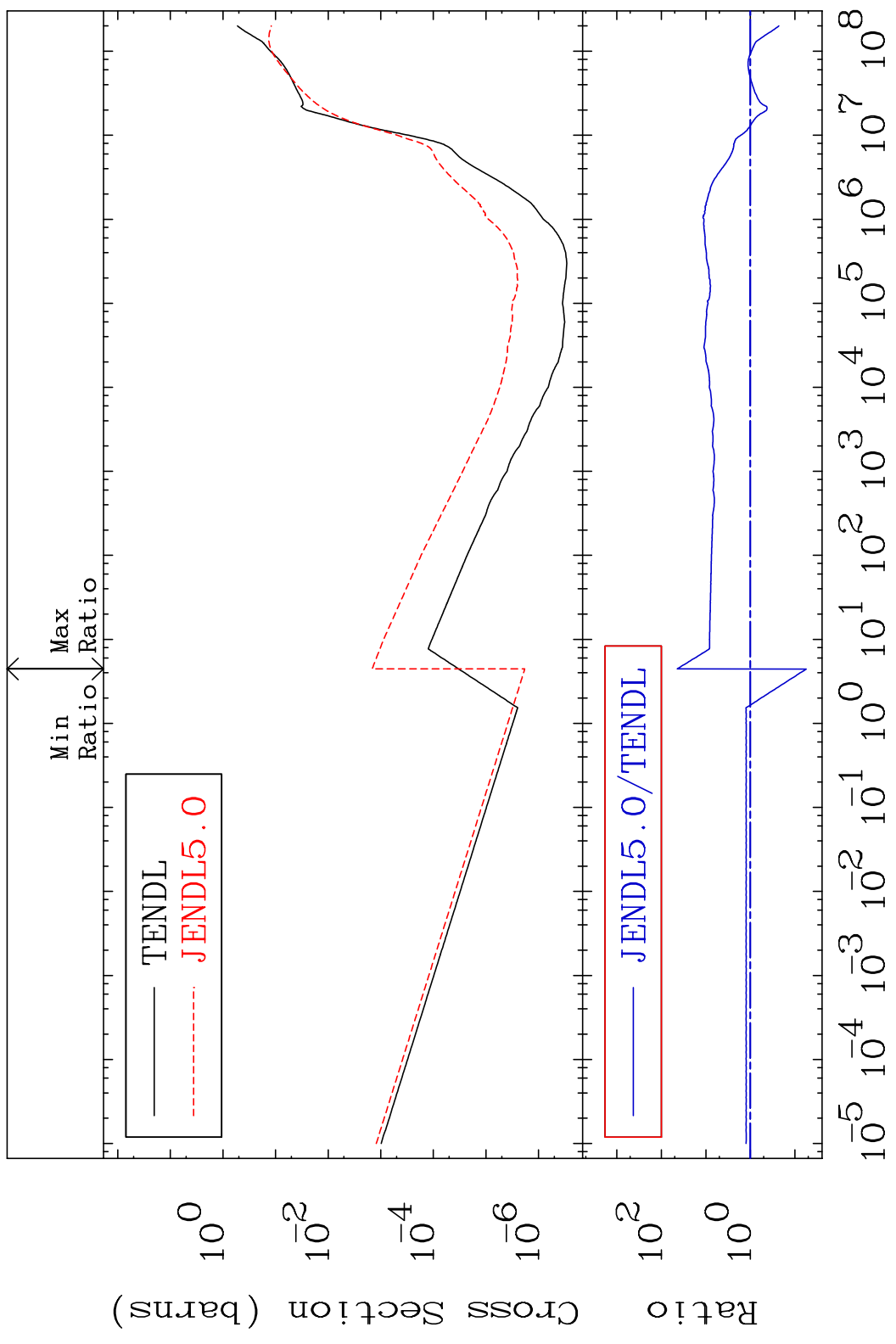
42

Incident Energy (eV)

74-W -178

MAT 7419

He-4 Production
Cross Section -94.48 To 4304. %
74-W -178



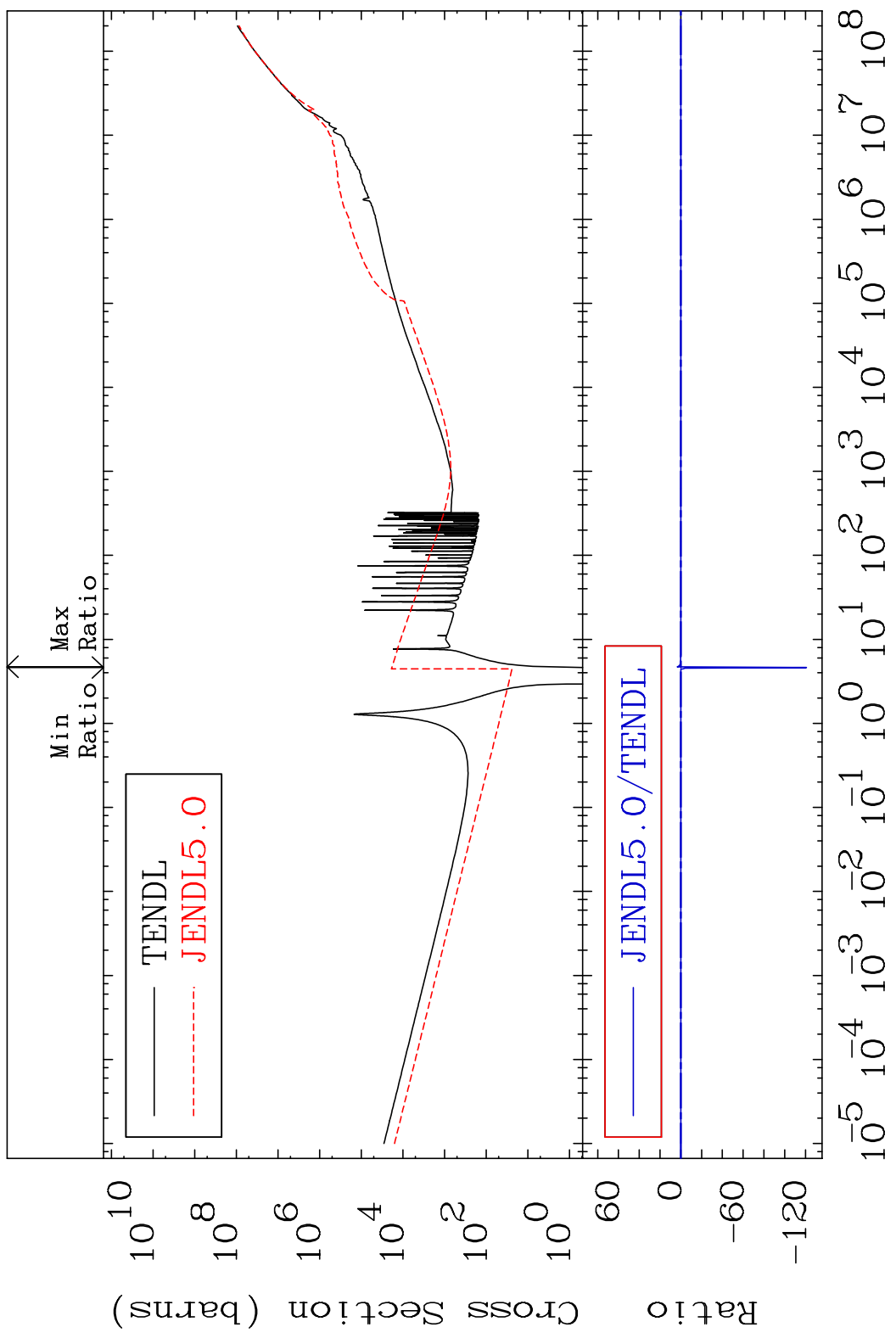
43

Incident Energy (eV)

74-W -178

MAT 7419

Kerma total (eV-barns) 74-W -178
Cross Section -9999. To 9999. %



44

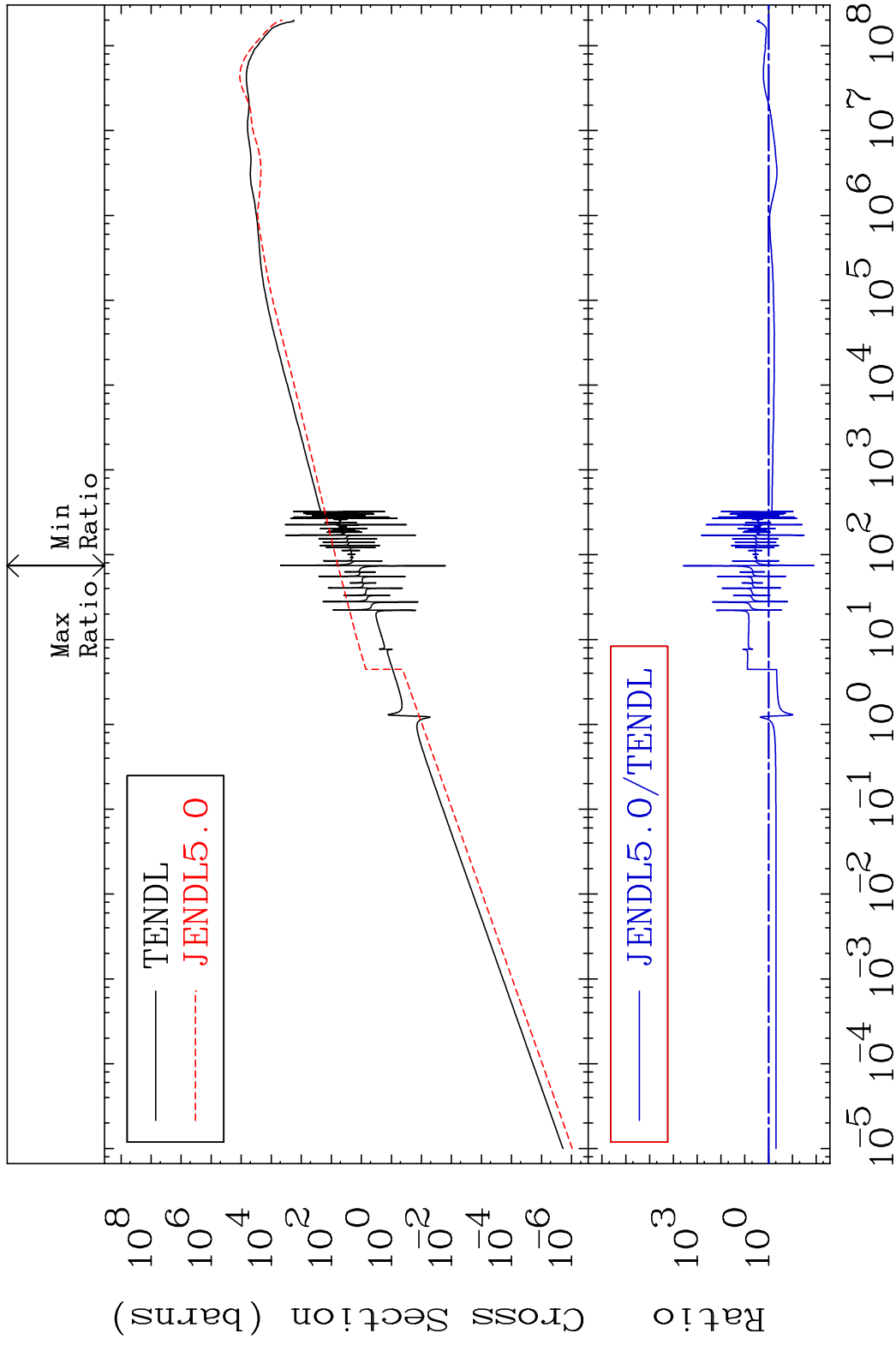
Incident Energy (eV) 74-W -178

MAT 7419

Kerma elastic

74-W -178

Cross Section -98.77 To 9999. %

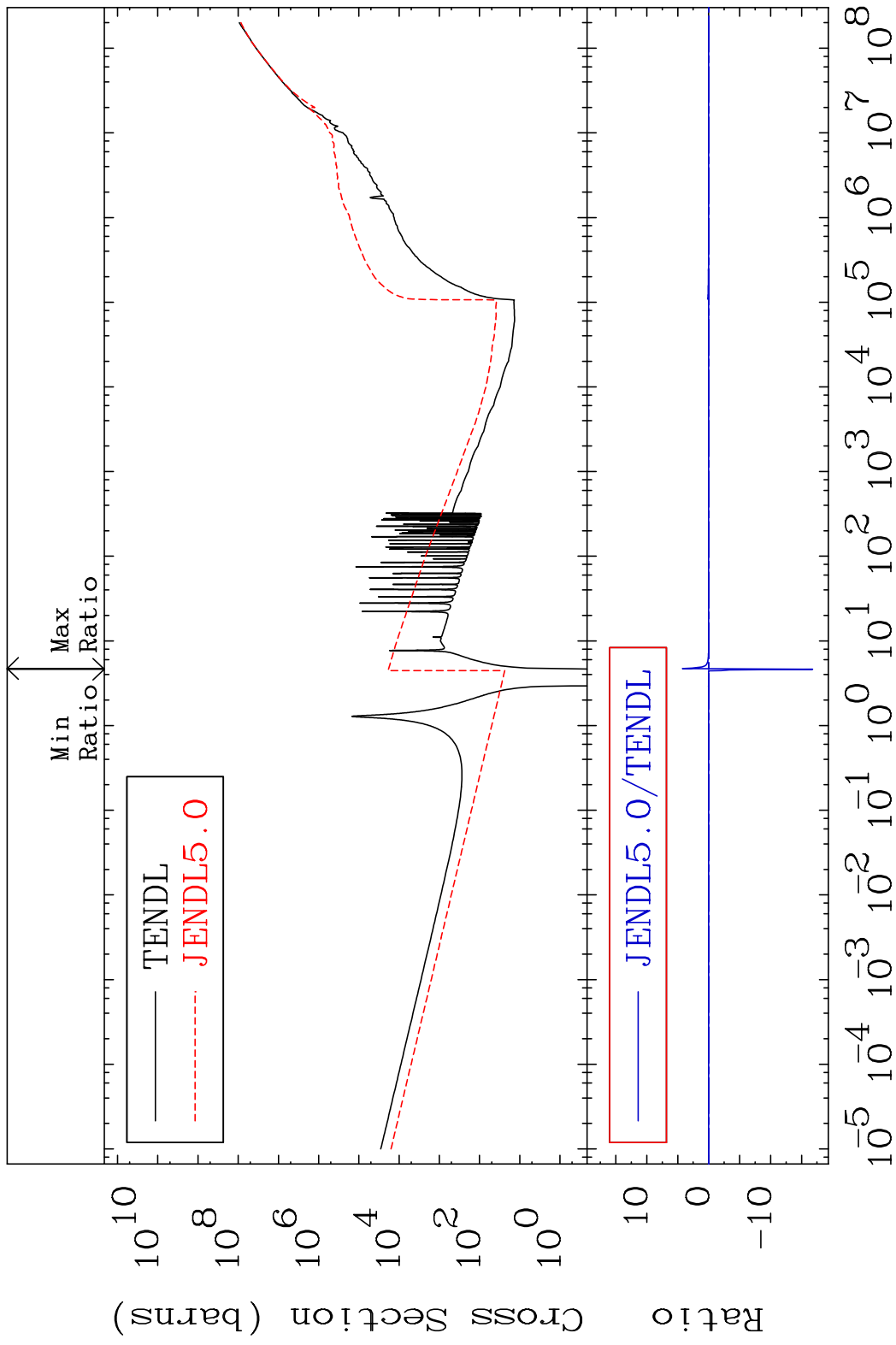


45

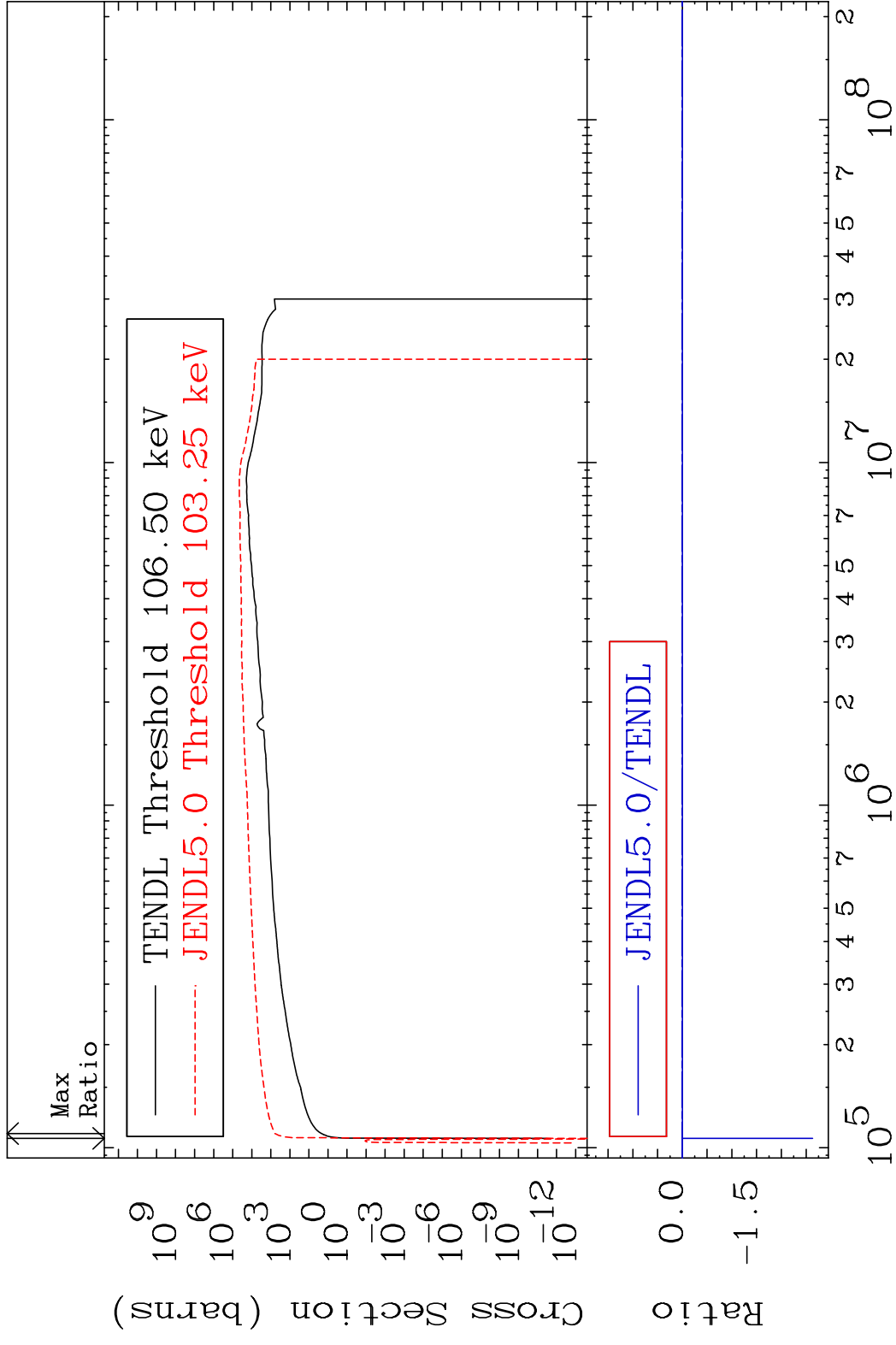
Incident Energy (eV)

74-W -178

MAT 7419 Kerma non-elastic (all but mt2) 74-W -178
 Cross Section -9999. To 9999. %

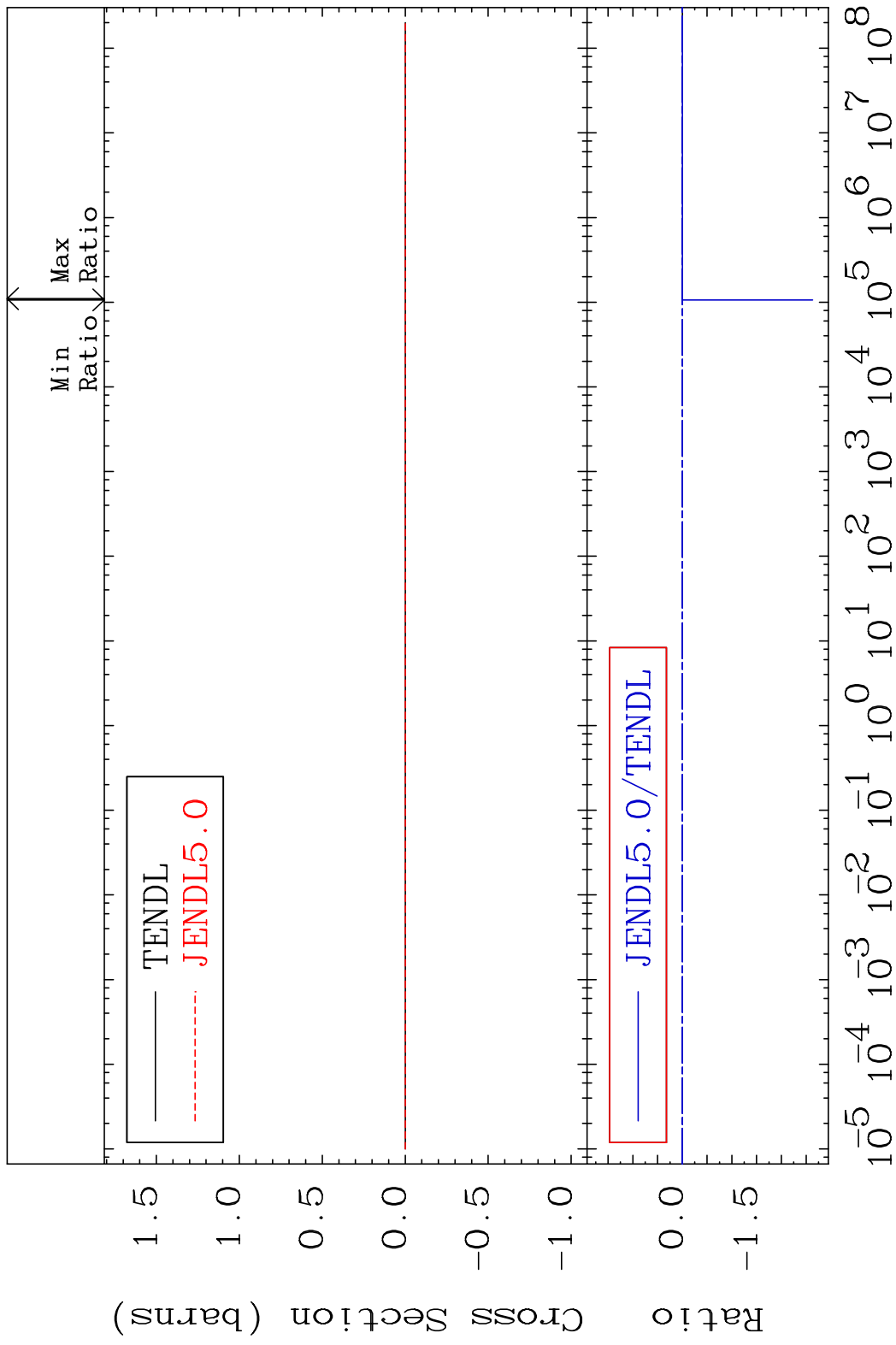


MAT 7419 Kerma inelastic (mt51-91) 74-W -178
 Cross Section -9999. To 9999. %



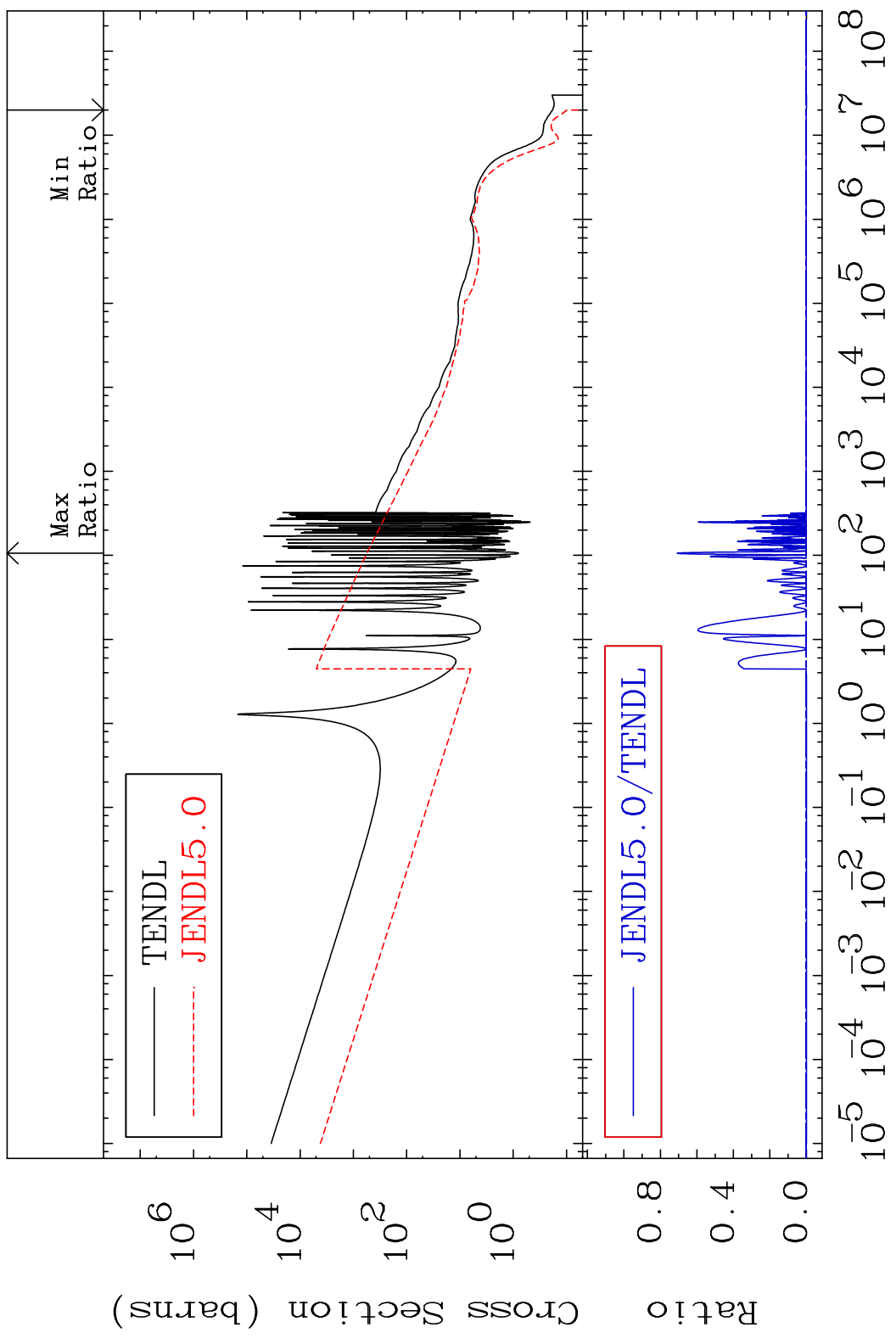
47 Incident Energy (eV) 74-W -178

MAT 7419 Kerma fission (mt18 or mt19-20-21-38) 74-W -178
 Cross Section -9999. To 9999. %



MAT 7419

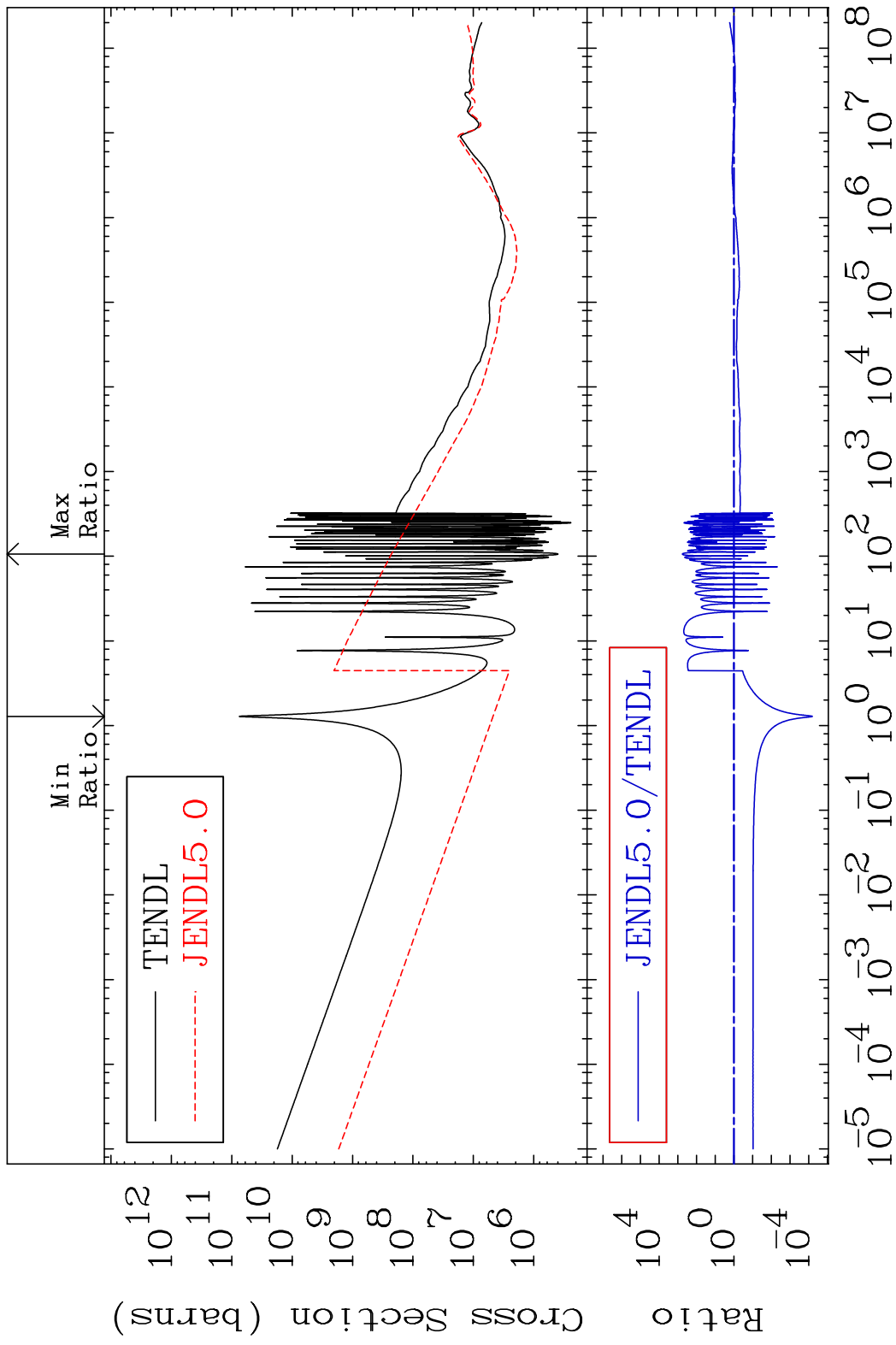
Kerma capture (mt102) 74-W -178
Cross Section -100.0 To 9999. %



49

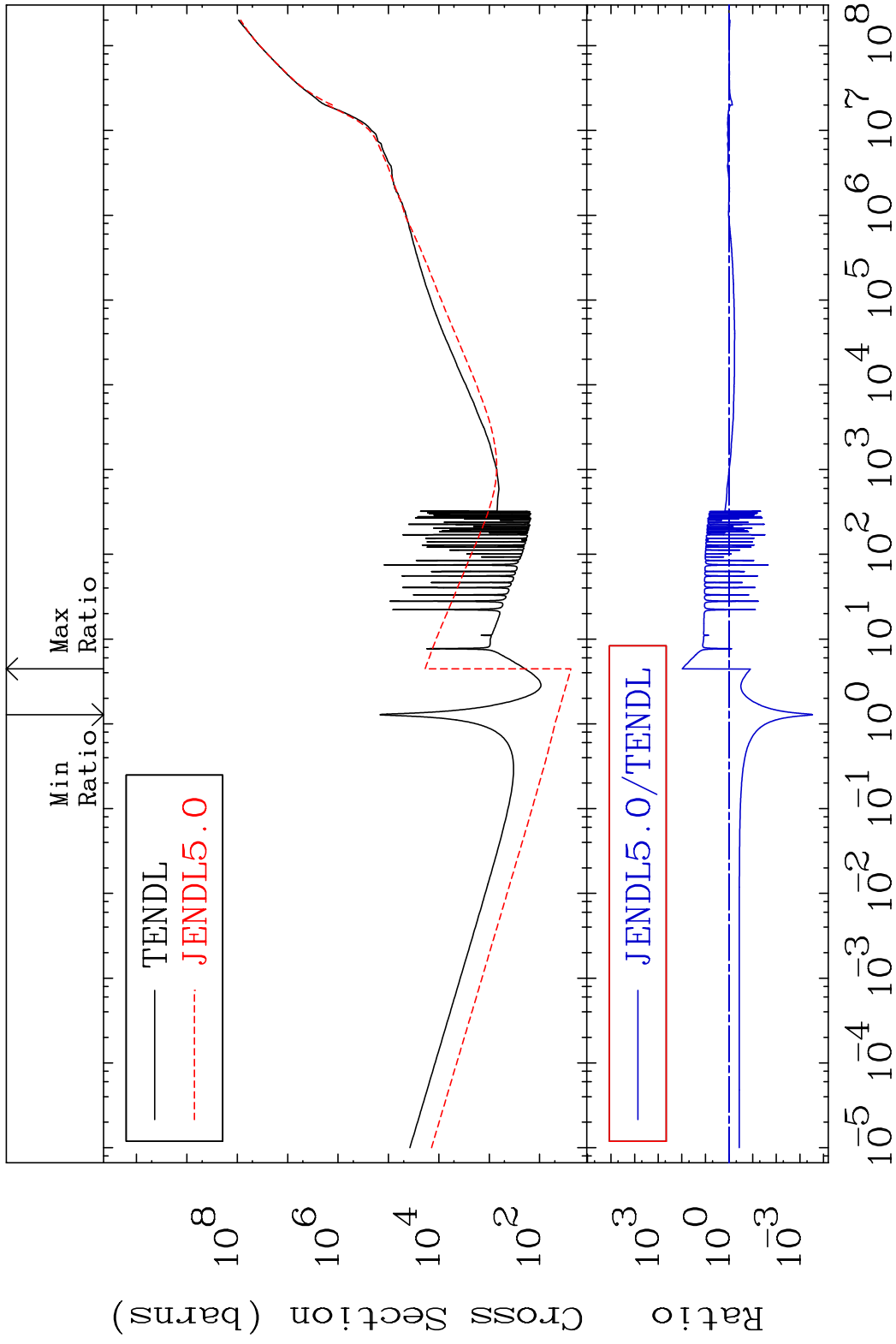
Incident Energy (eV) 74-W -178

MAT 7419 Total photon (eV-barns) 74-W -178
 Cross Section -99.99 To 9999. %

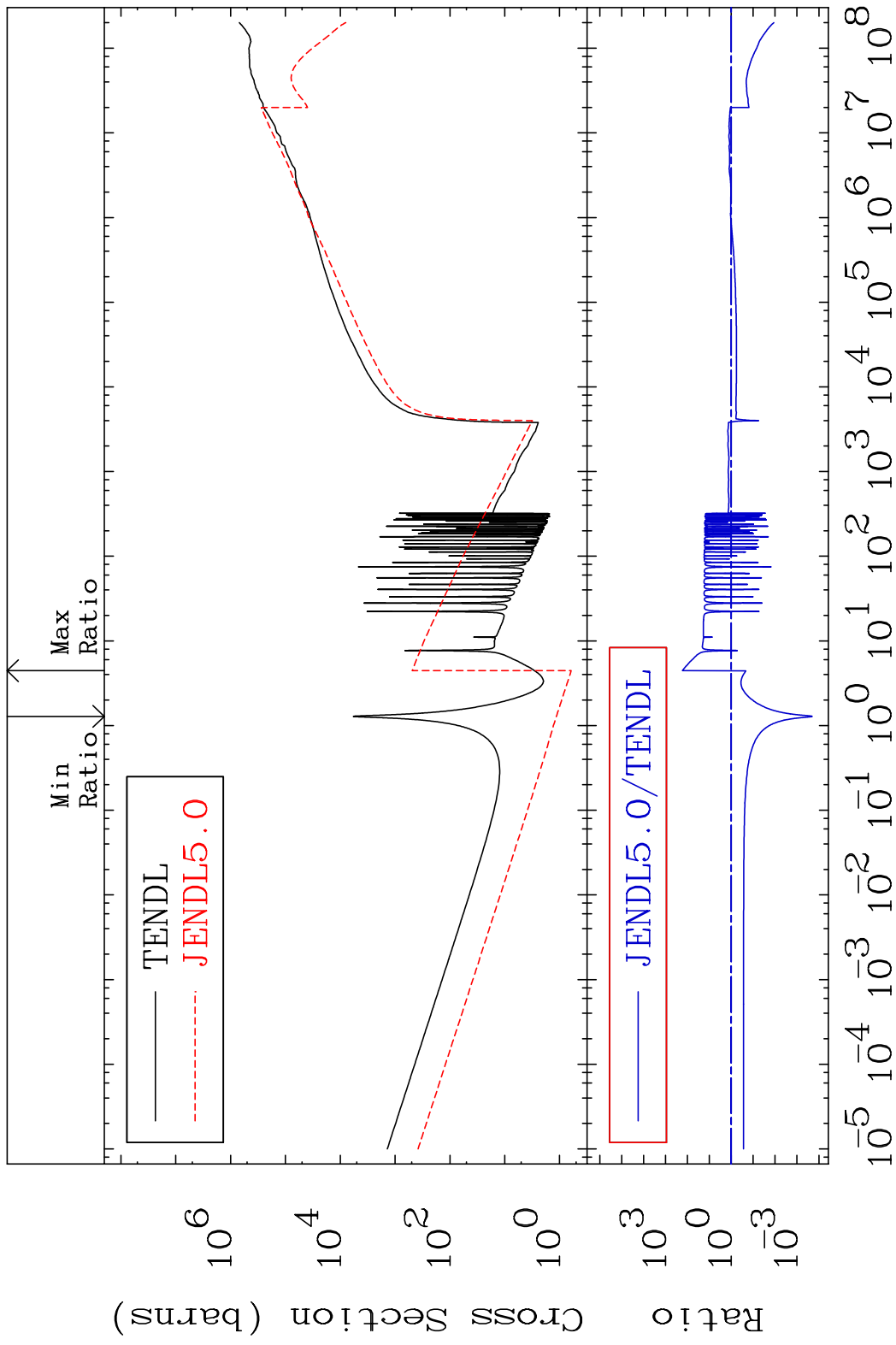


50 Incident Energy (eV) 74-W -178

MAT 7419 Total kinematic kerma (high limit) 74-W -178
 Cross Section -99.97 To 9603. %



MAT 7419 Dpa total (eV-barns) 74-W -178
 Cross Section -99.98 To 9999. %



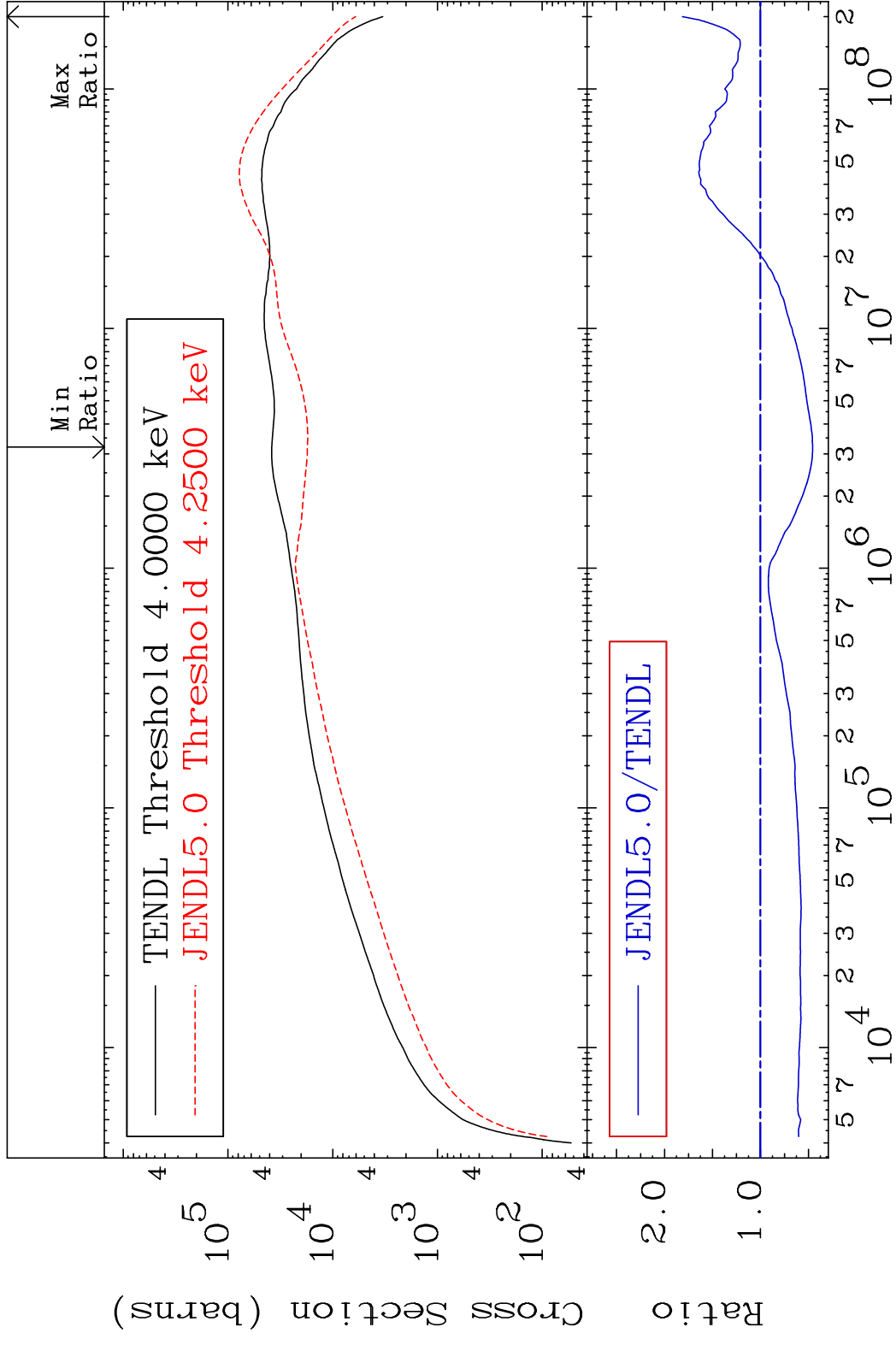
MAT 7419

Dpa elastic (mt2)

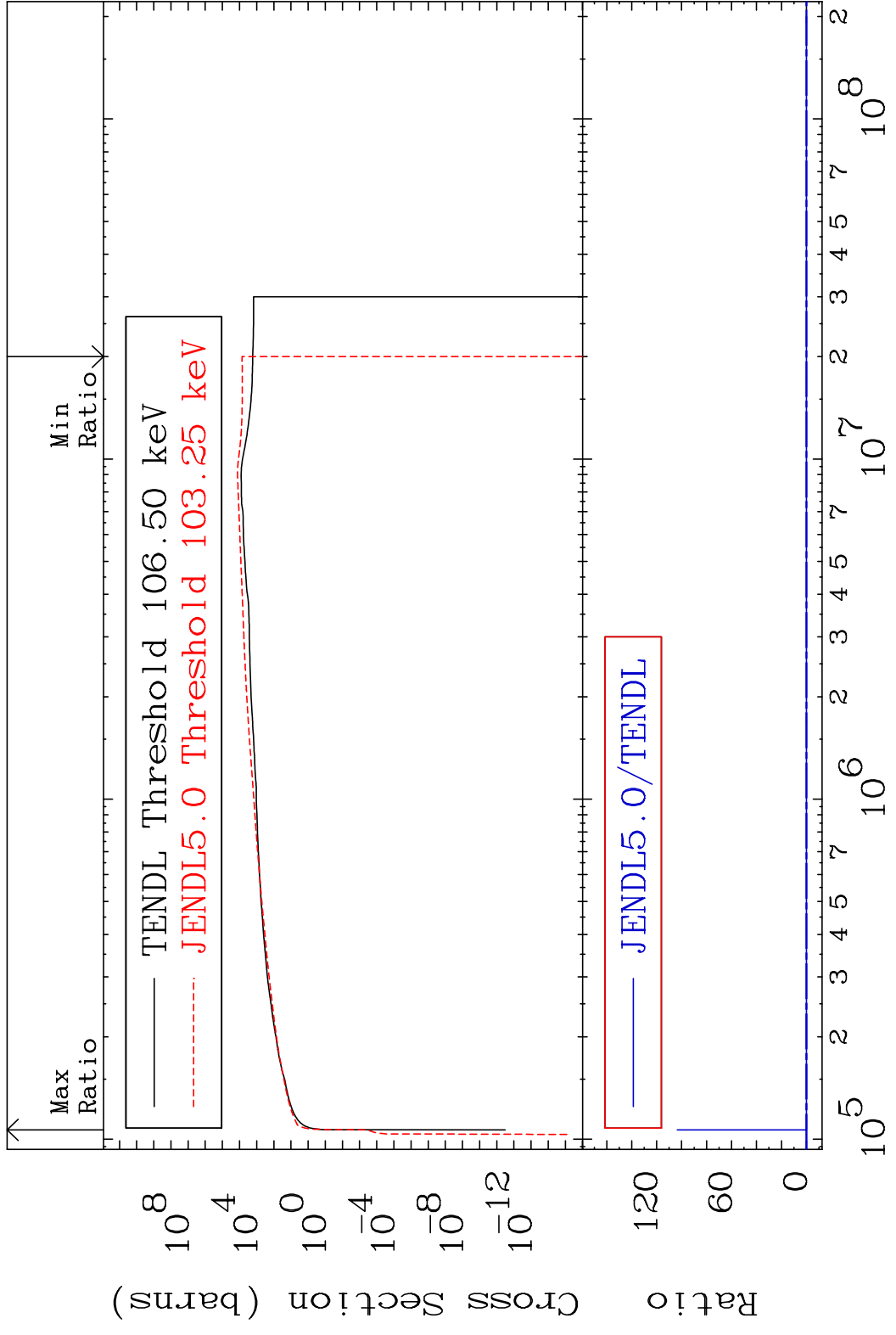
74-W -178

Cross Section

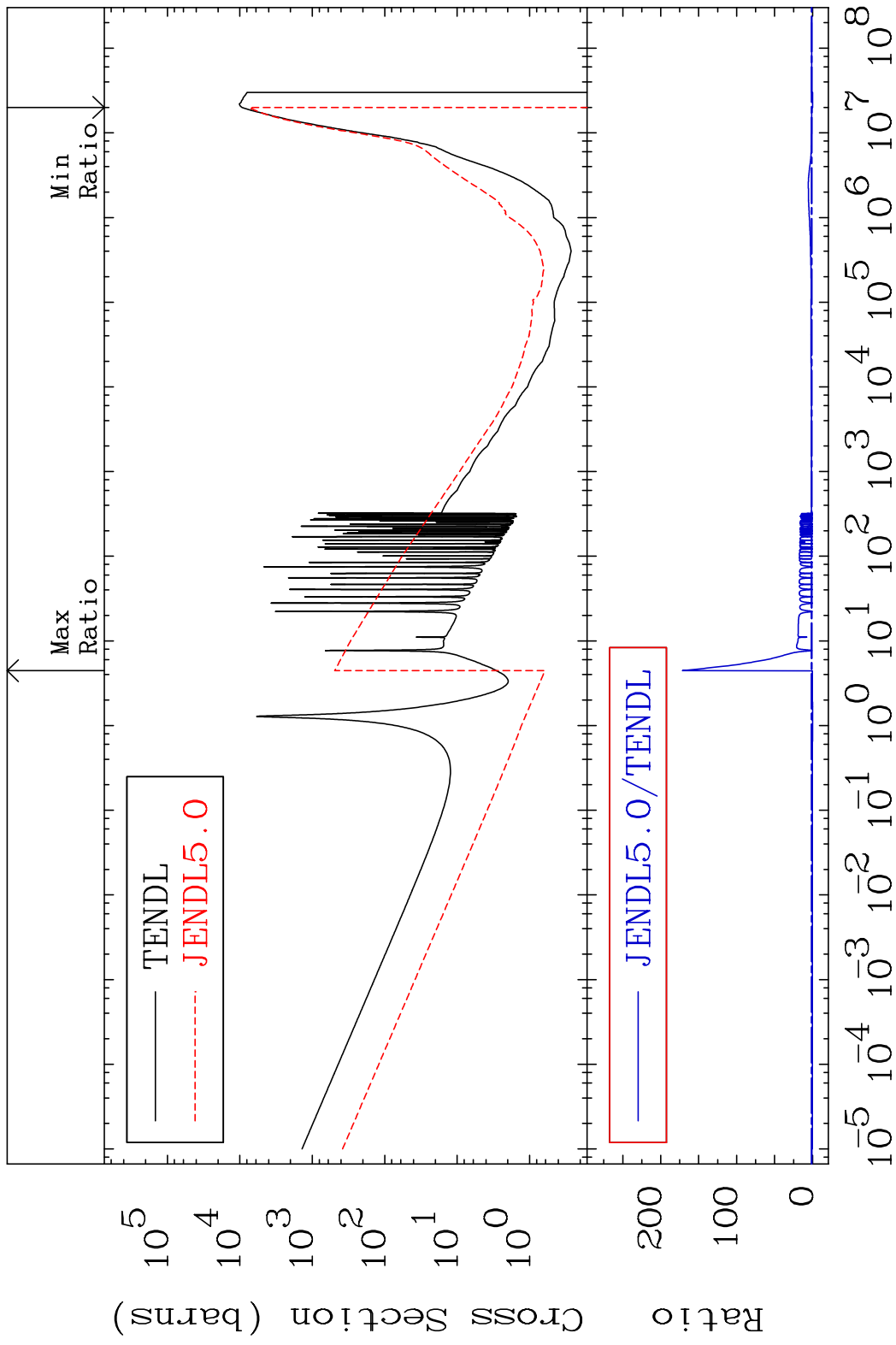
-54.30 To 81.43 %



MAT 7419 Dpa inelastic (mt51-91) 74-W -178
 Cross Section -100.0 To 9999. %



MAT 7419 Dpa disappearance (mt102 -120) 74-W -178
 Cross Section -100.0 To 9999. %



55 Incident Energy (eV) 74-W -178