

Program Complot
(Version 2021-1)

by

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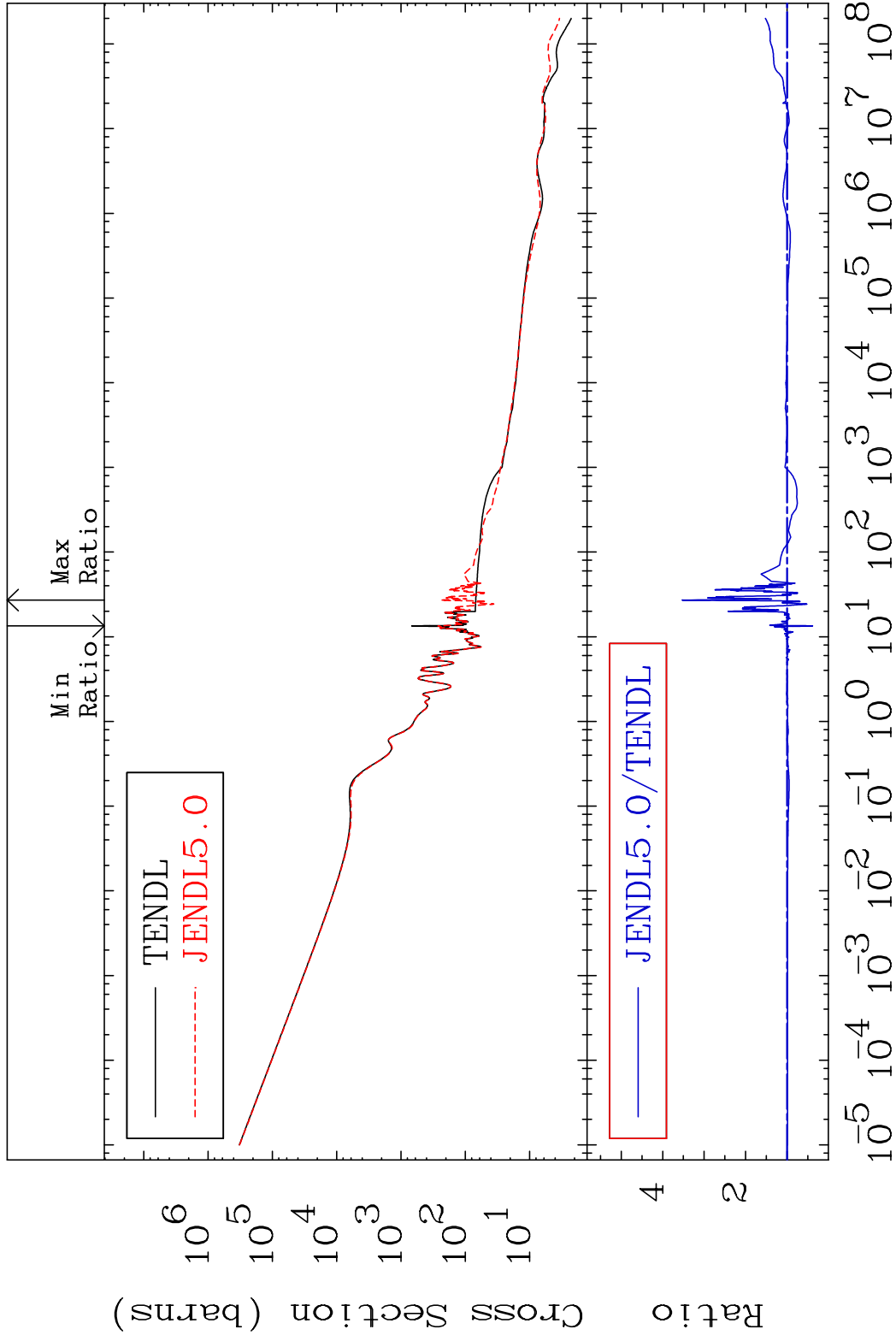
Press Mouse Button to Start

MAT 9547

Total

95-Am-242m

Cross Section -61.46 To 252.5 %



1

Incident Energy (eV)

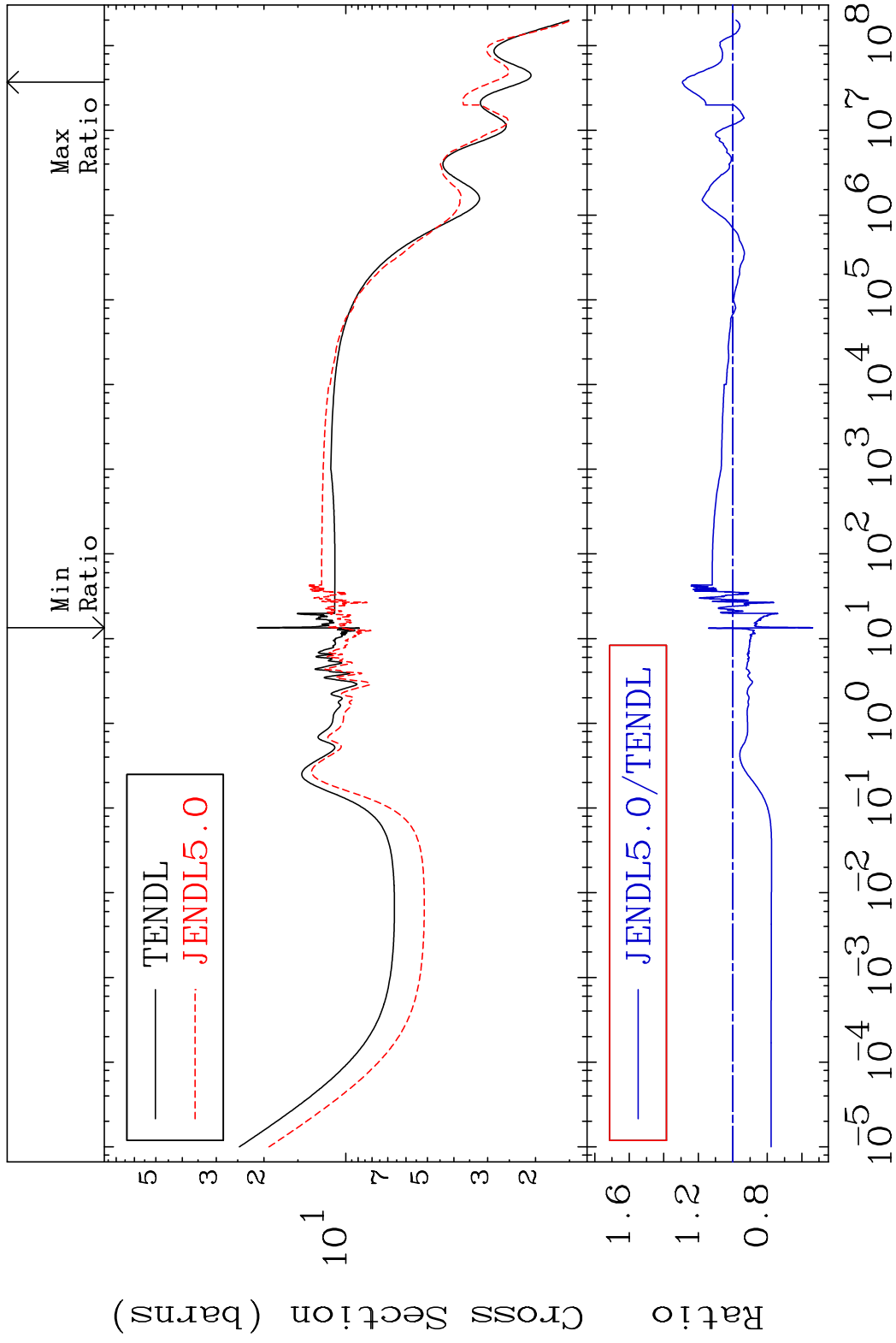
95-Am-242m

MAT 9547

Elastic

95-Am-242m

Cross Section -46.23 To 29.22 %



2

Incident Energy (eV)

95-Am-242m

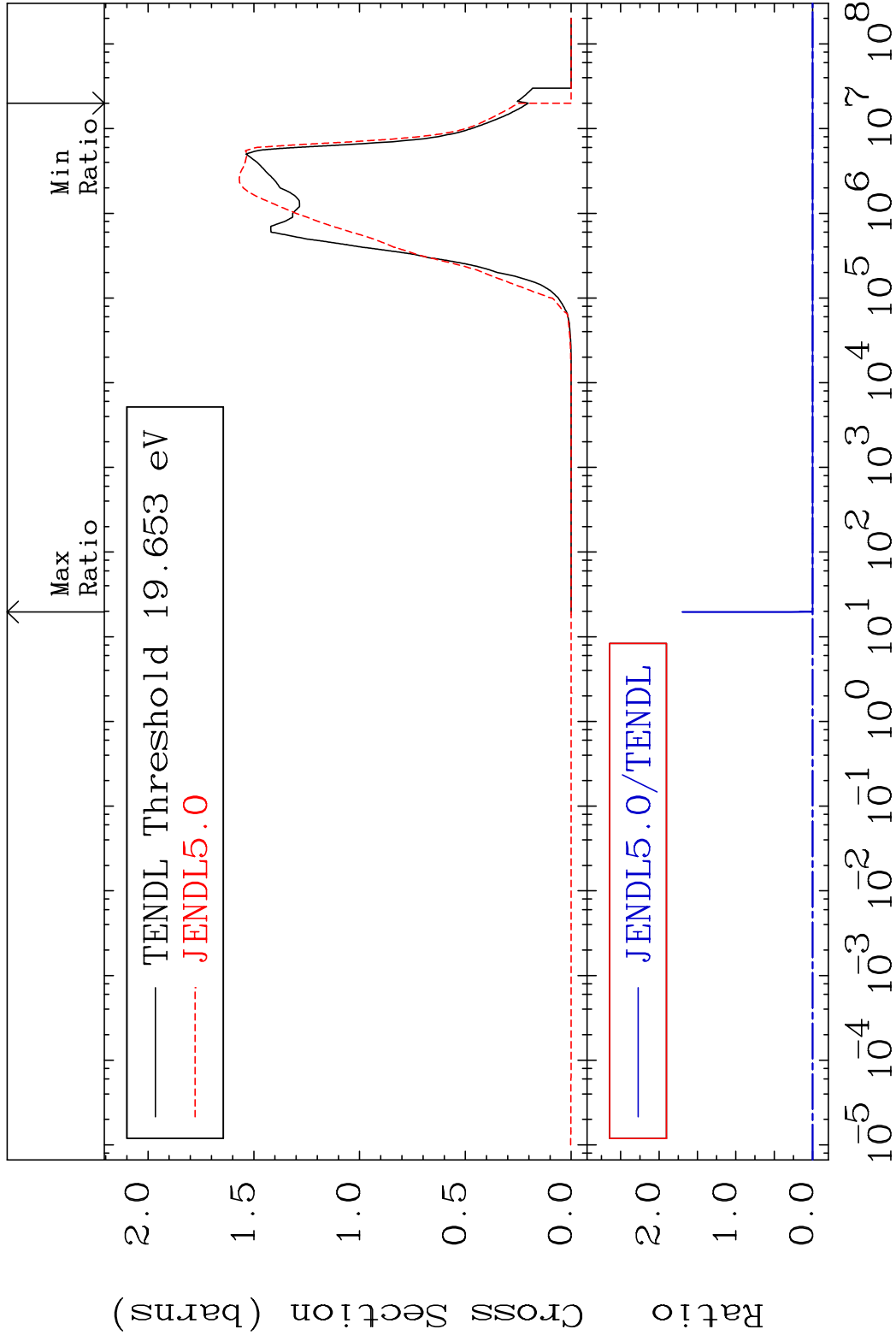
MAT 9547

Inelastic

95-Am-242m

Cross Section

-100.0 To 9999. %



3

Incident Energy (eV)

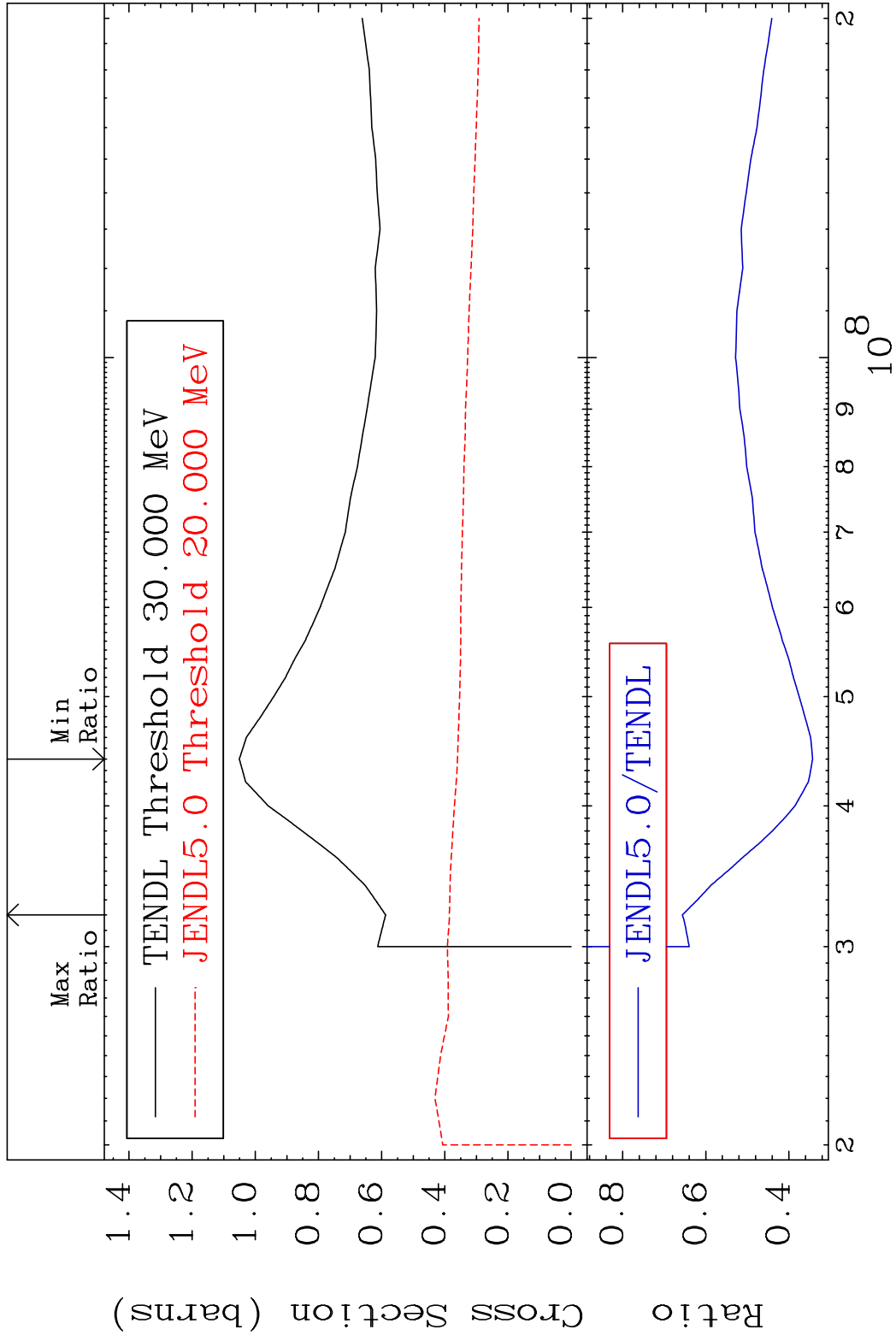
95-Am-242m

MAT 9547

(n, remainder)

95-Am-242m

Cross Section -65.71 To -34.36%



4

Incident Energy (eV)

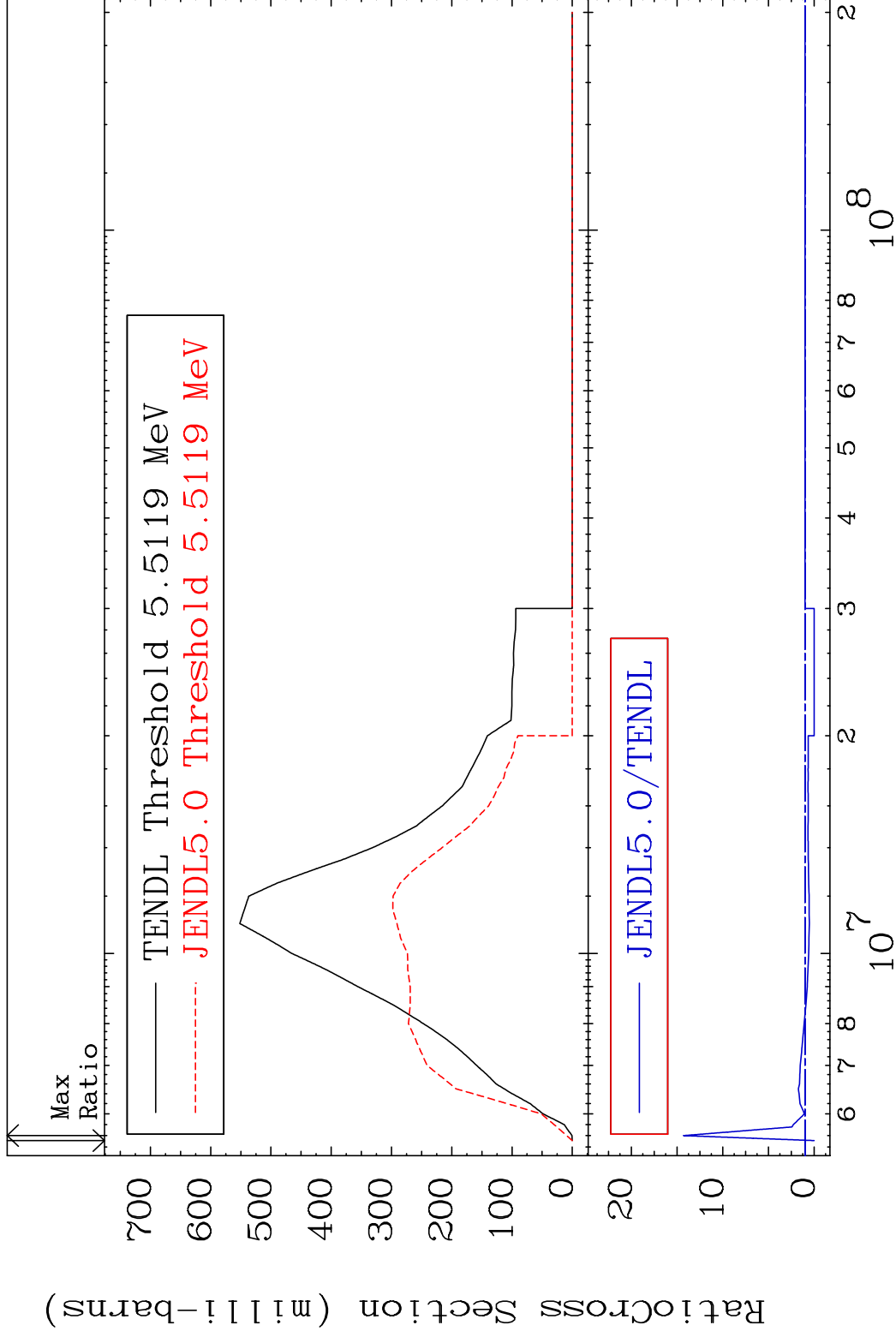
95-Am-242m

MAT 9547

(n,2n)

95-Am-242m

Cross Section -100.0 To 1327. %



5

Incident Energy (eV)

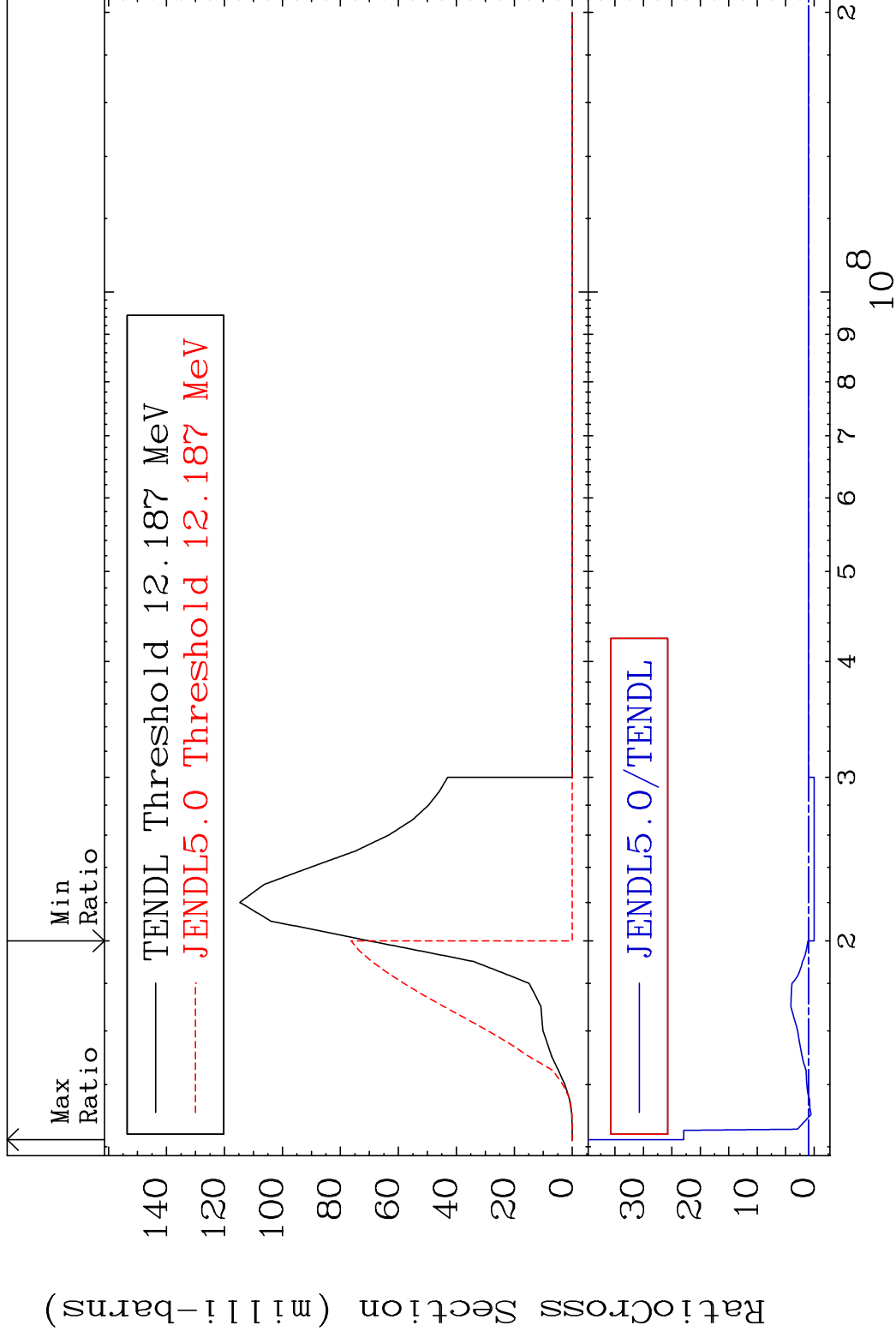
95-Am-242m

MAT 9547

(n,3n)

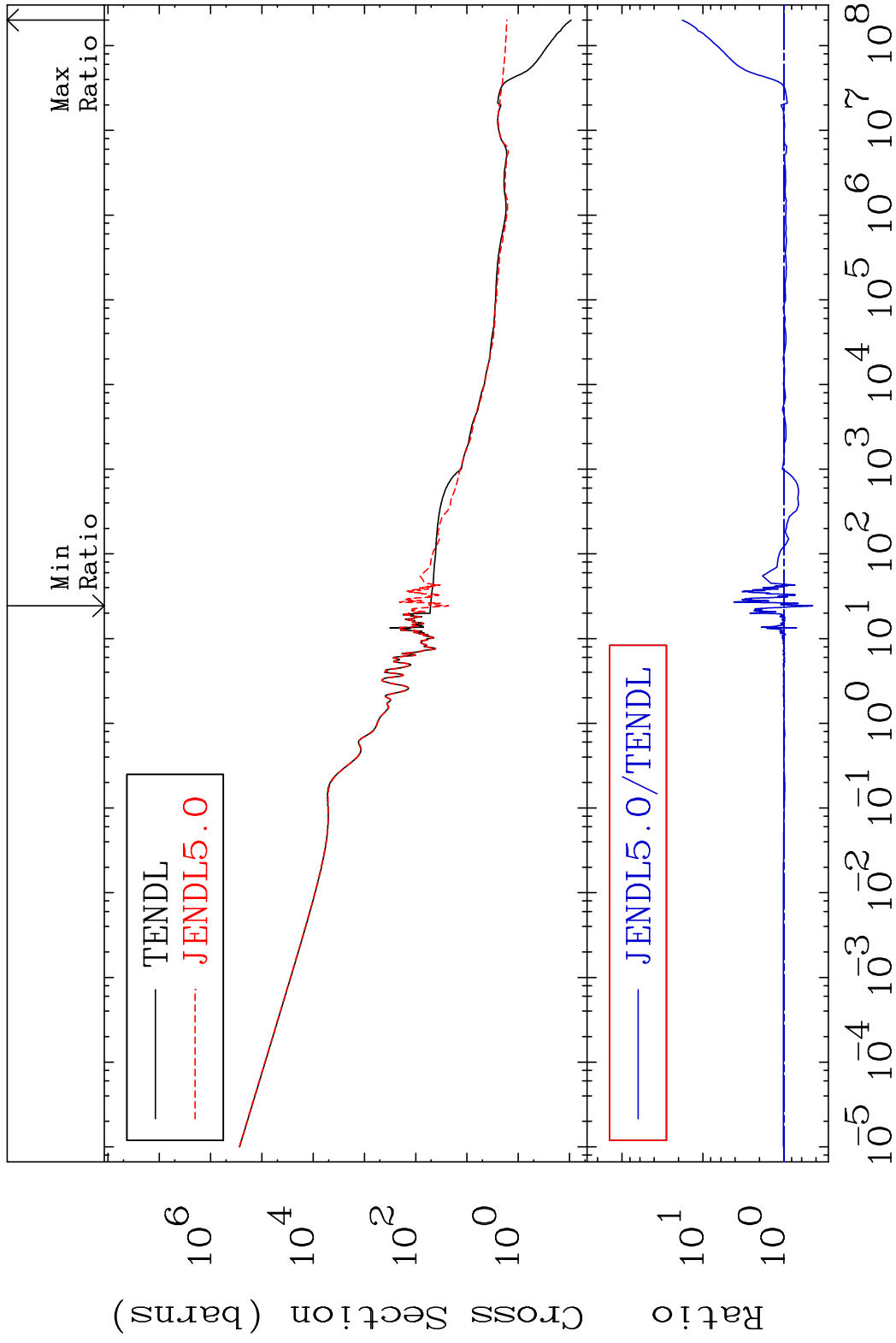
95-Am-242m

Cross Section -100.0 To 2193. %



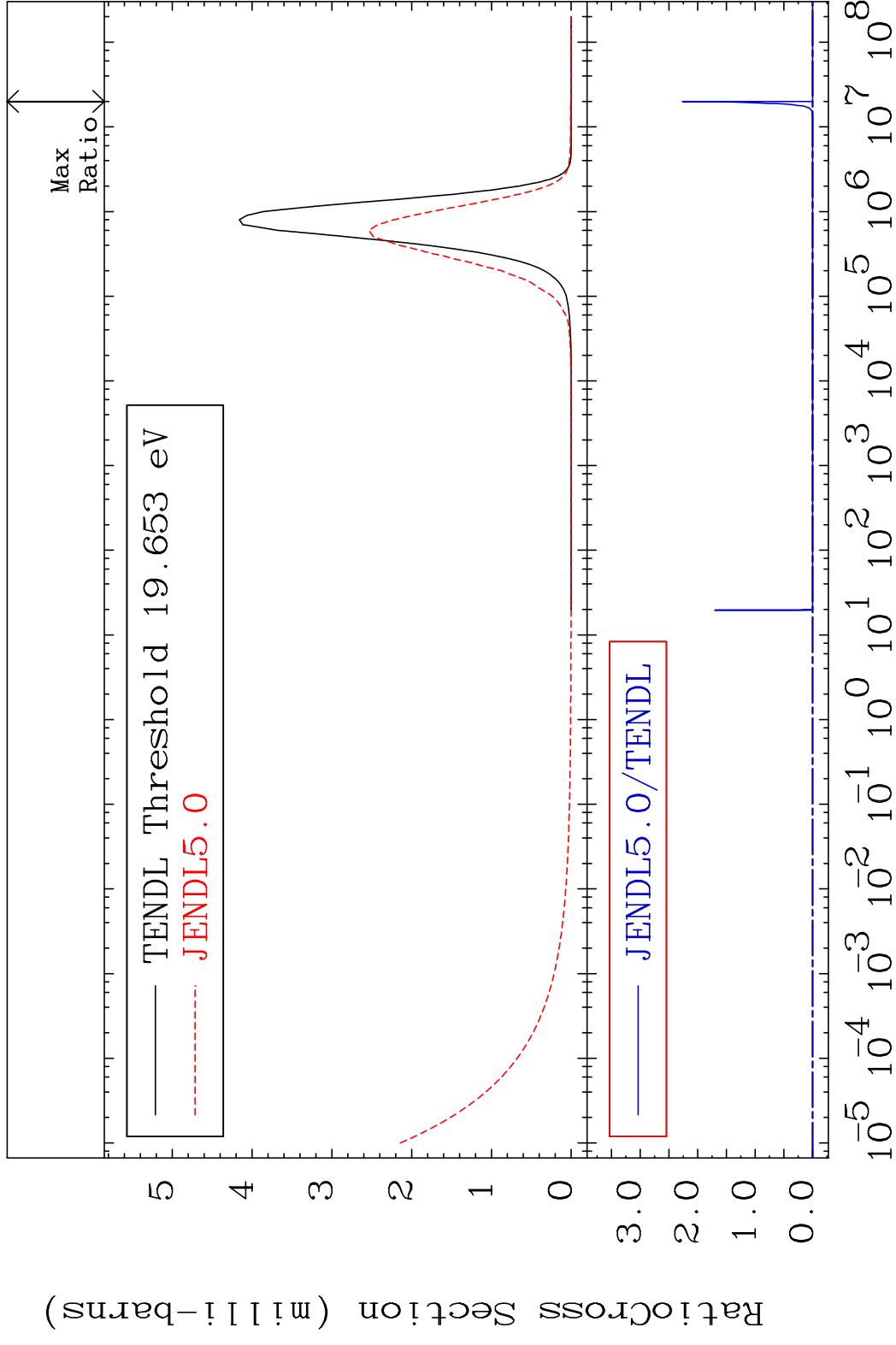
MAT 9547

Fission 95-Am-242m
Cross Section -55.94 To 1694. %

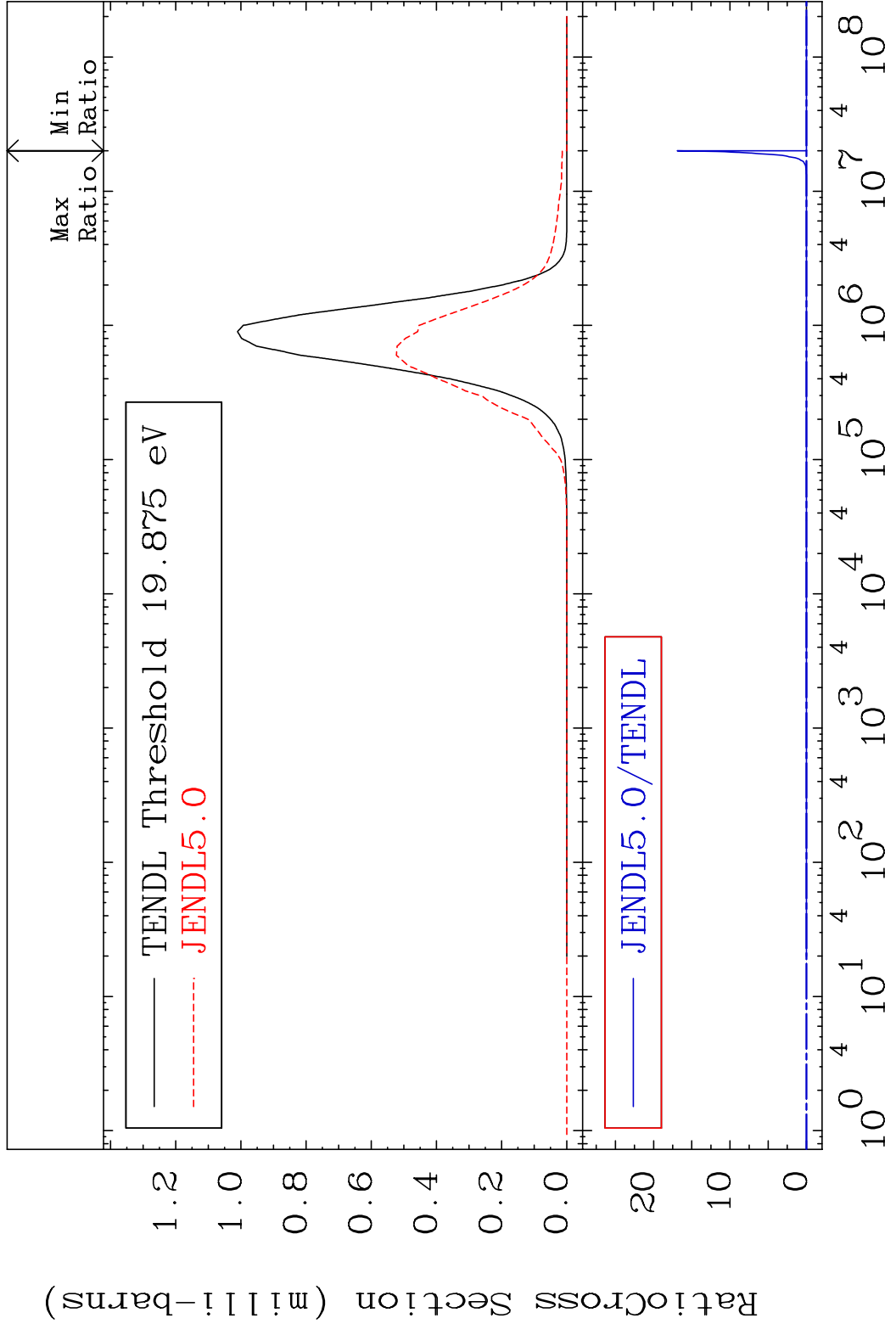


7 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 51 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 52 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

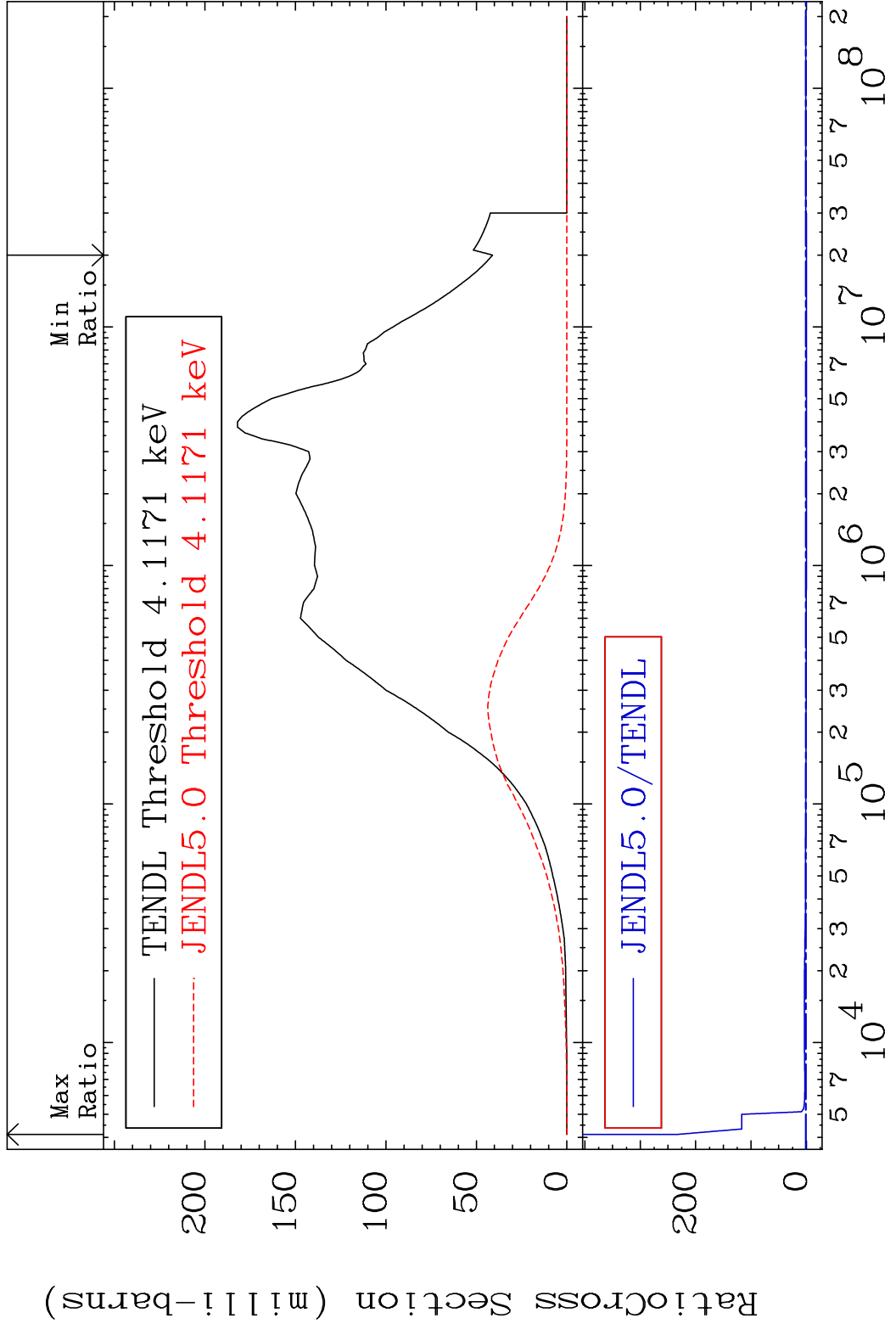


10 20 10 0

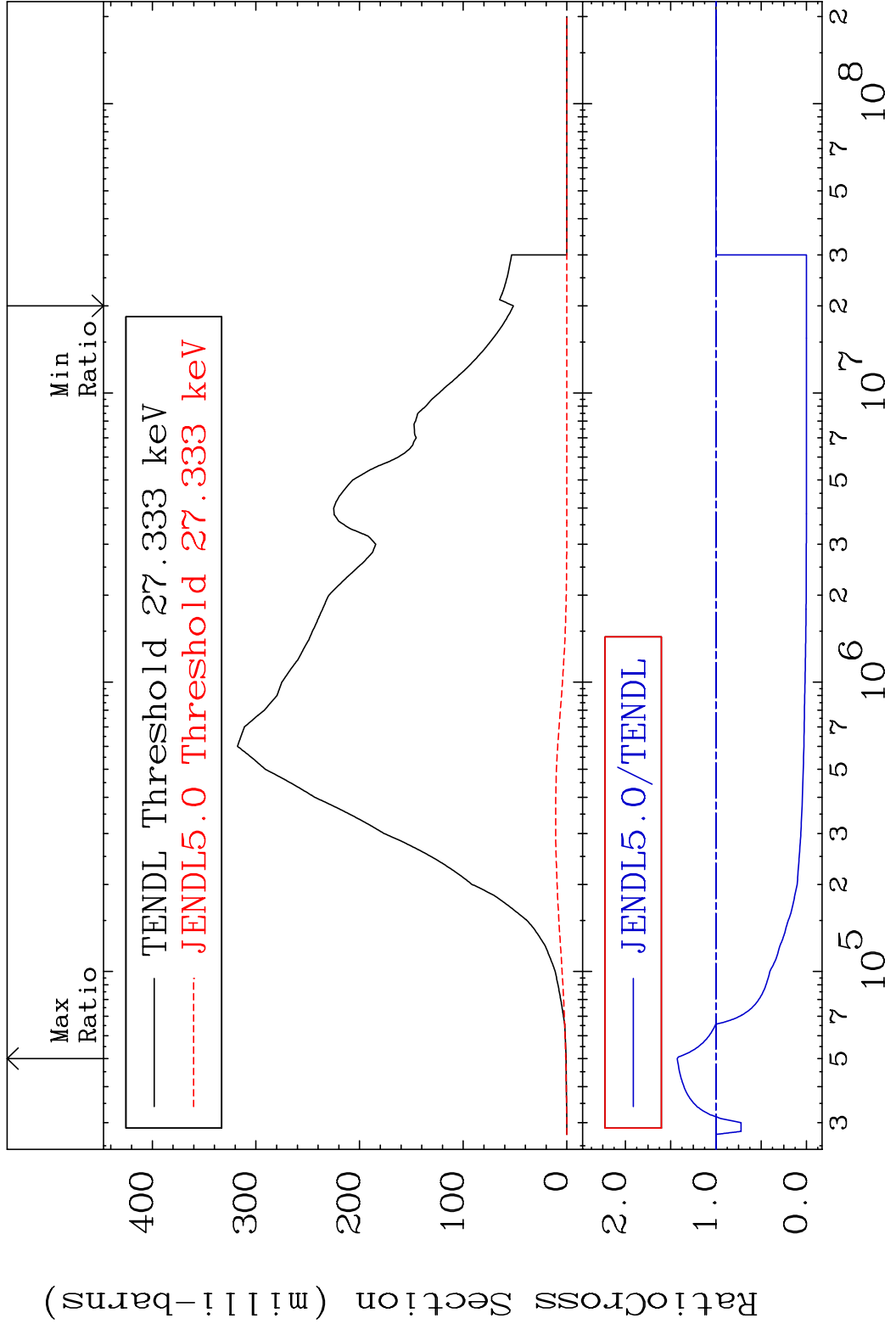
10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

95-Am-242m

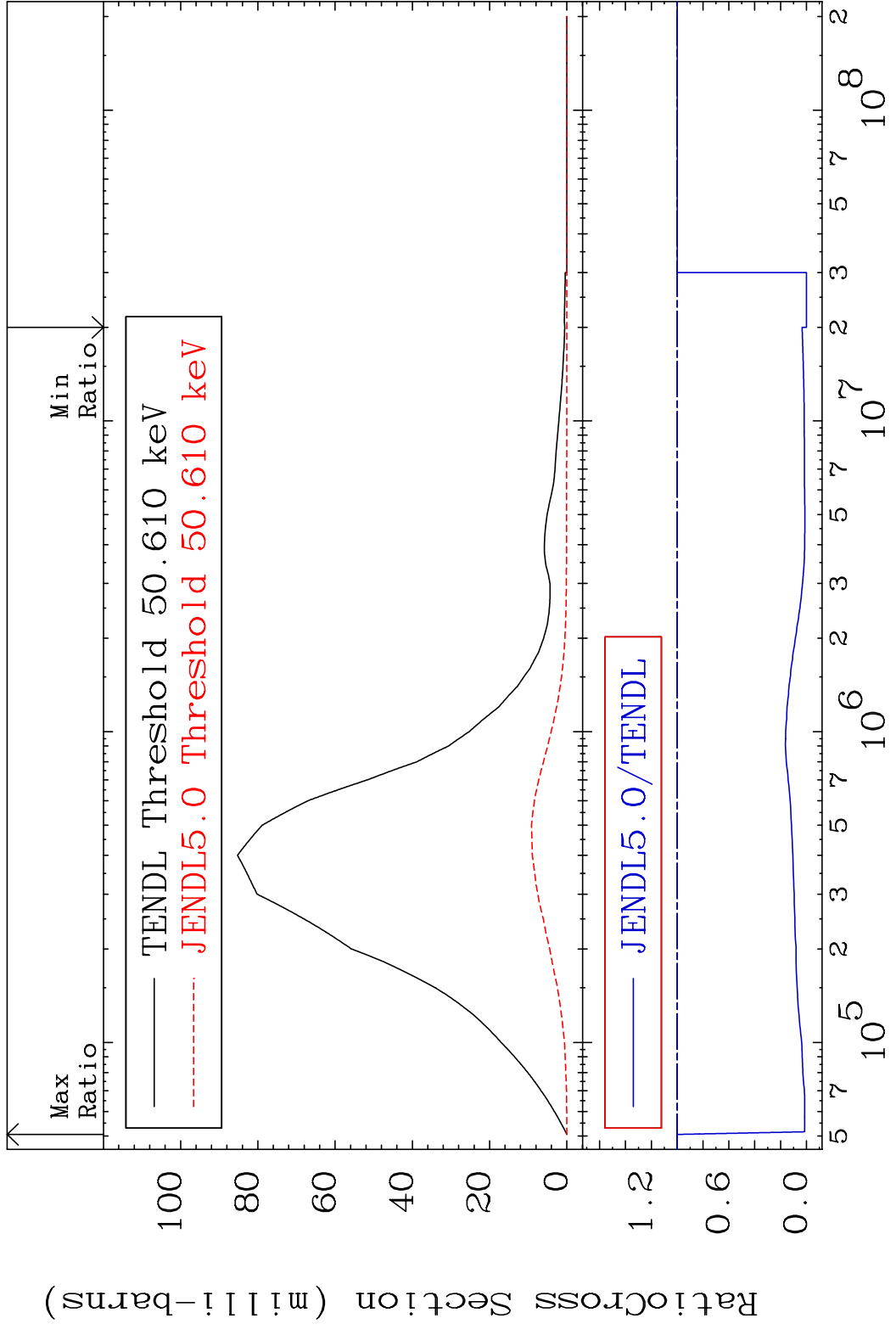
MAT 9547 MT= 53 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



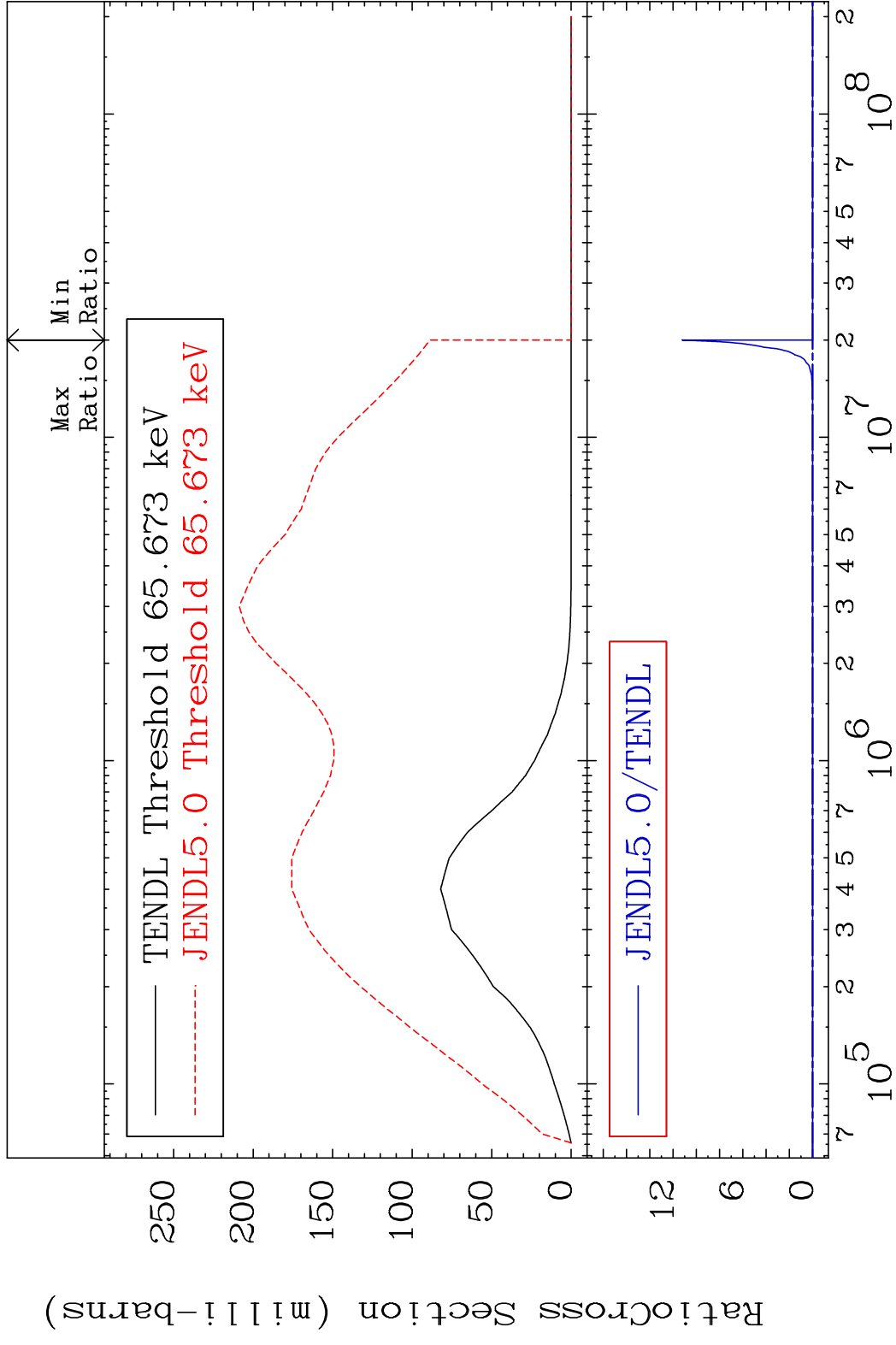
MAT 9547 MT= 54 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 42.71 %



MAT 9547 MT= 55 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 0.000 %

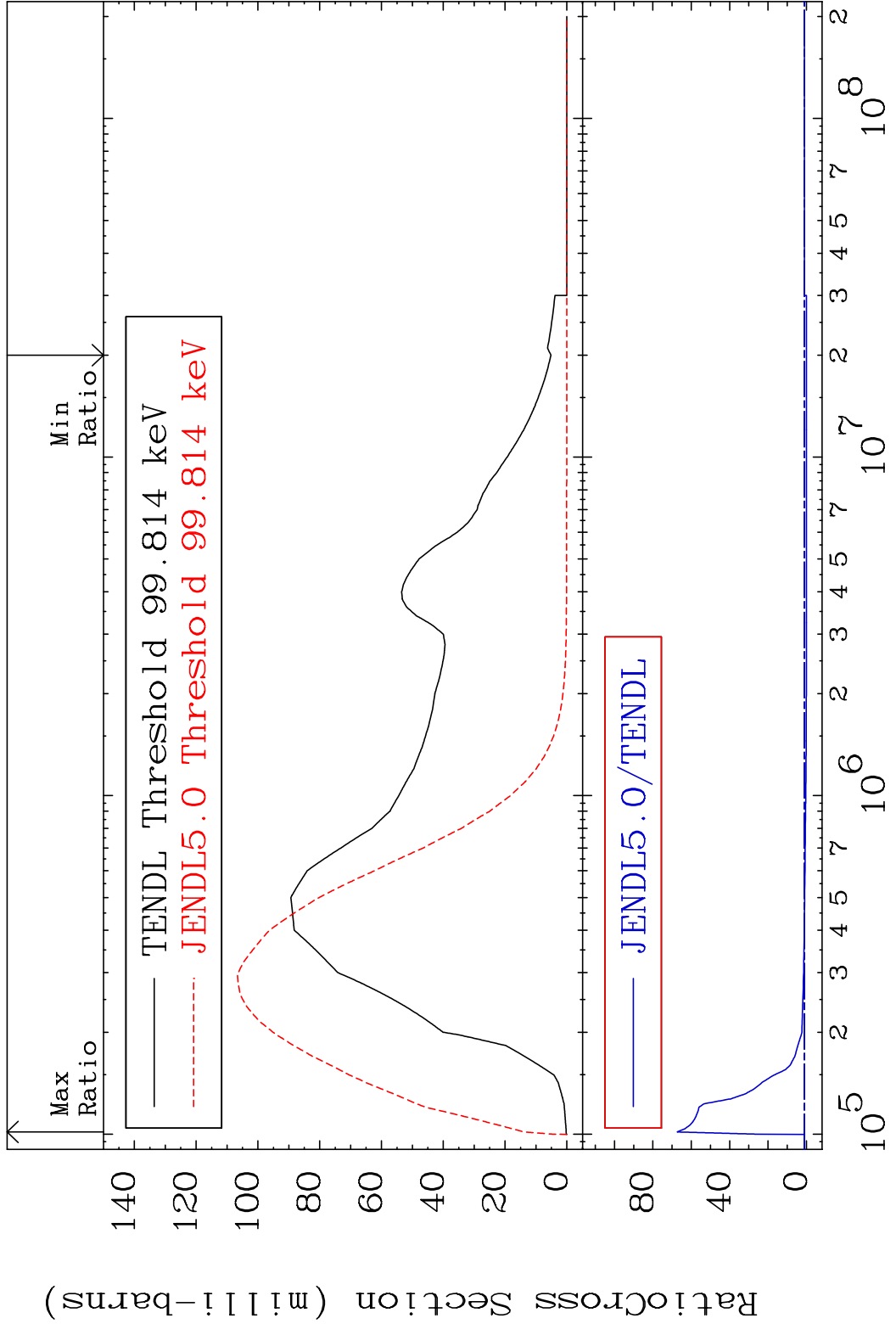


MAT 9547 MT= 56 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



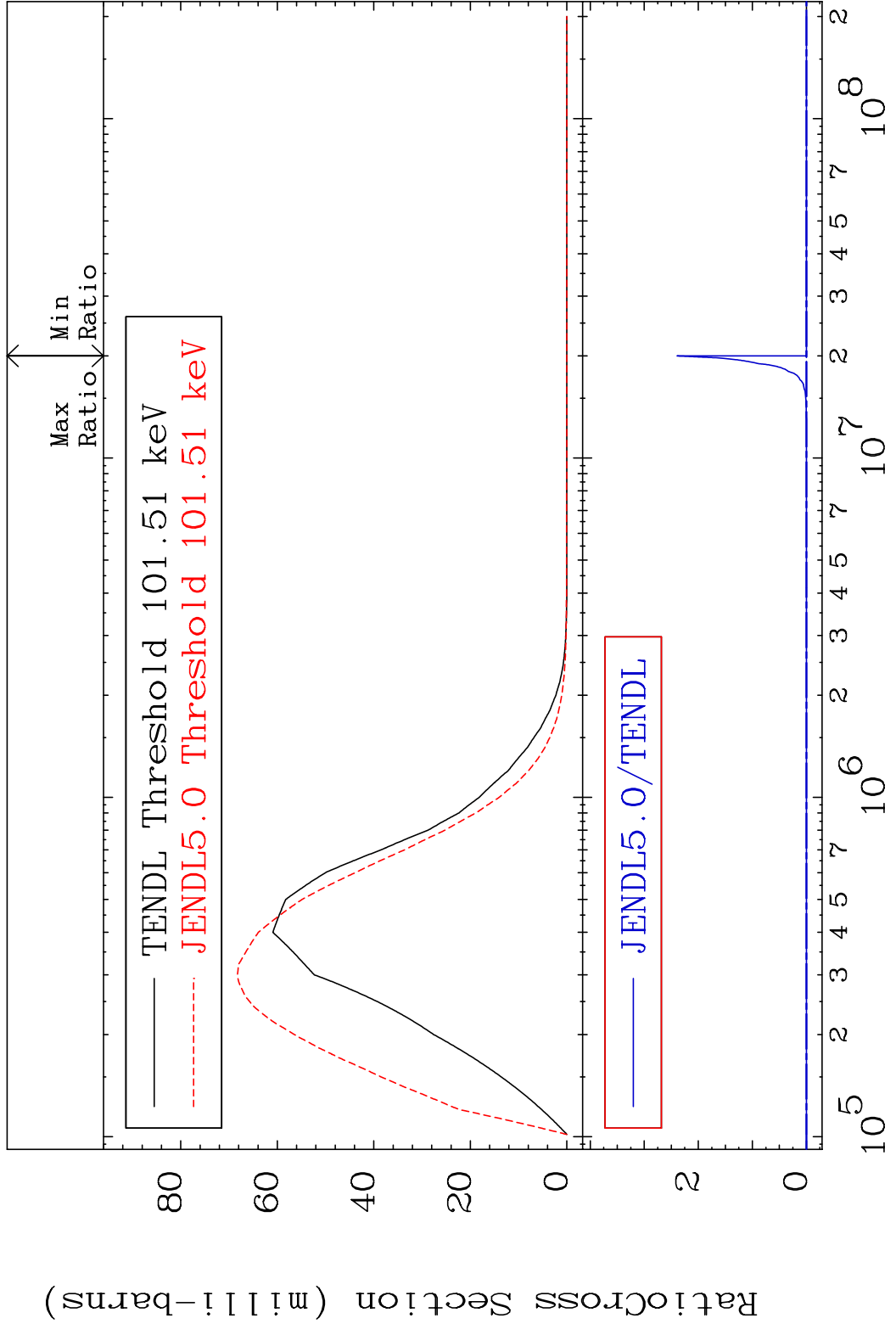
14 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 57 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 6632. %



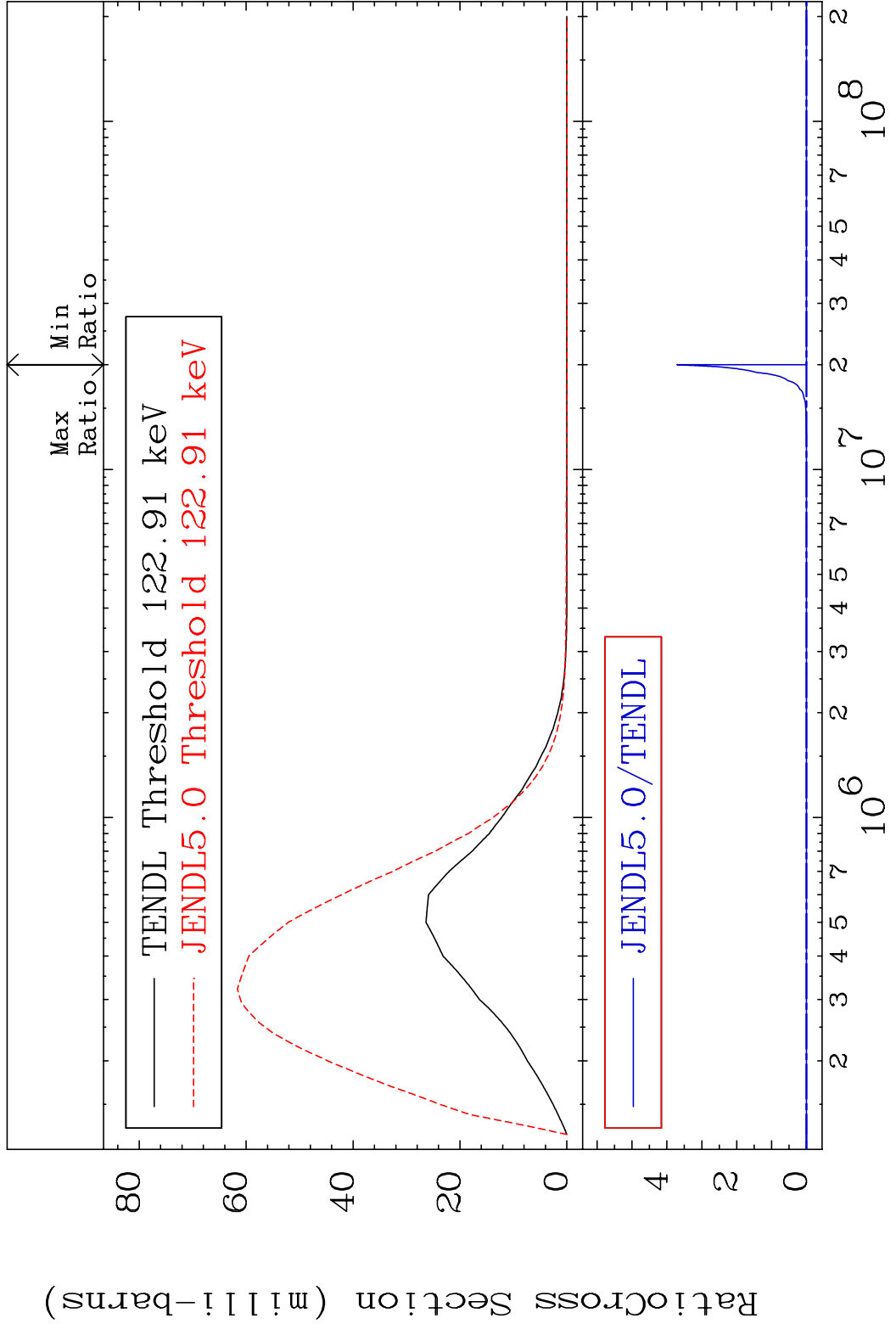
15 15 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 58 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

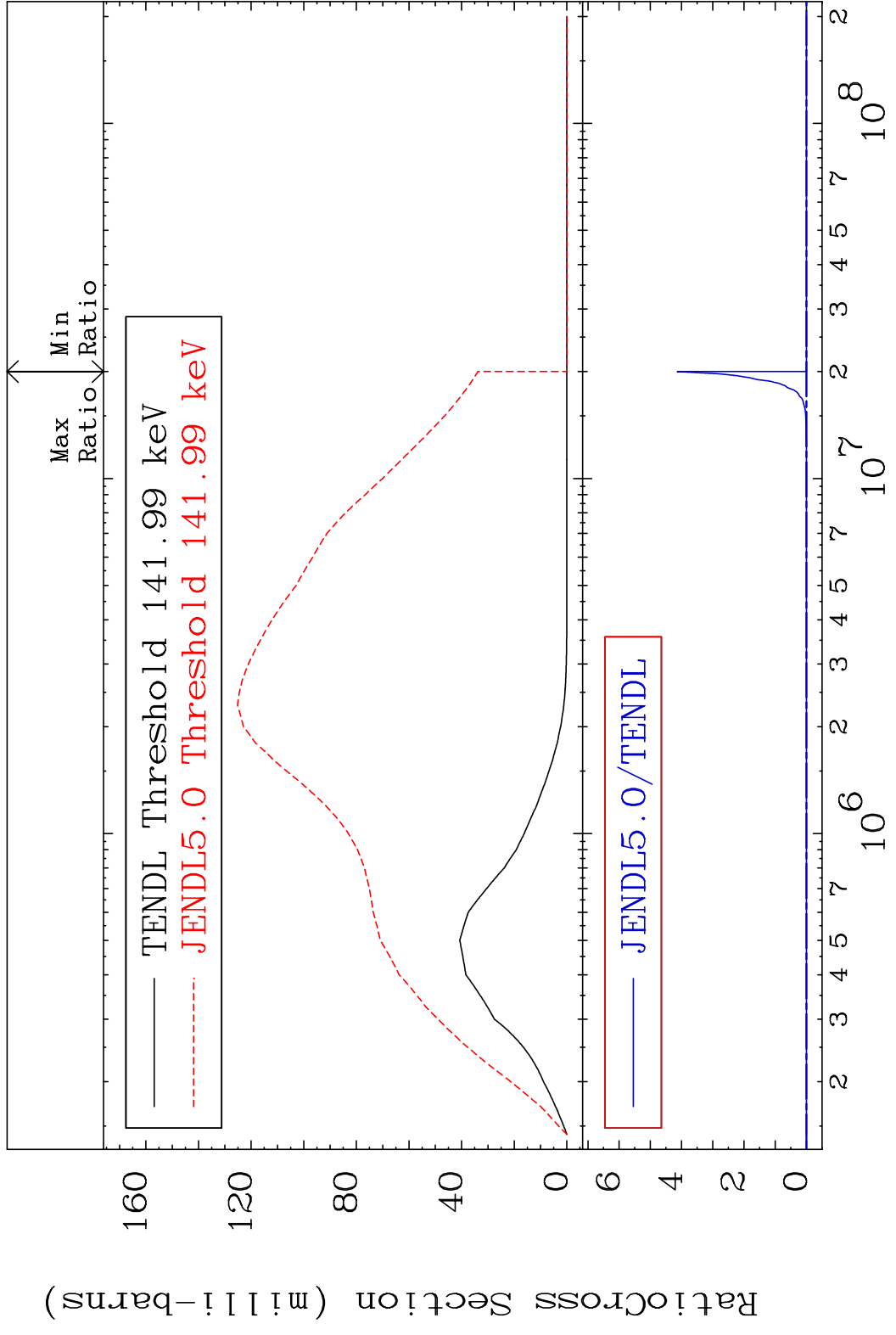


16 Incident Energy (eV) 95-Am-242m

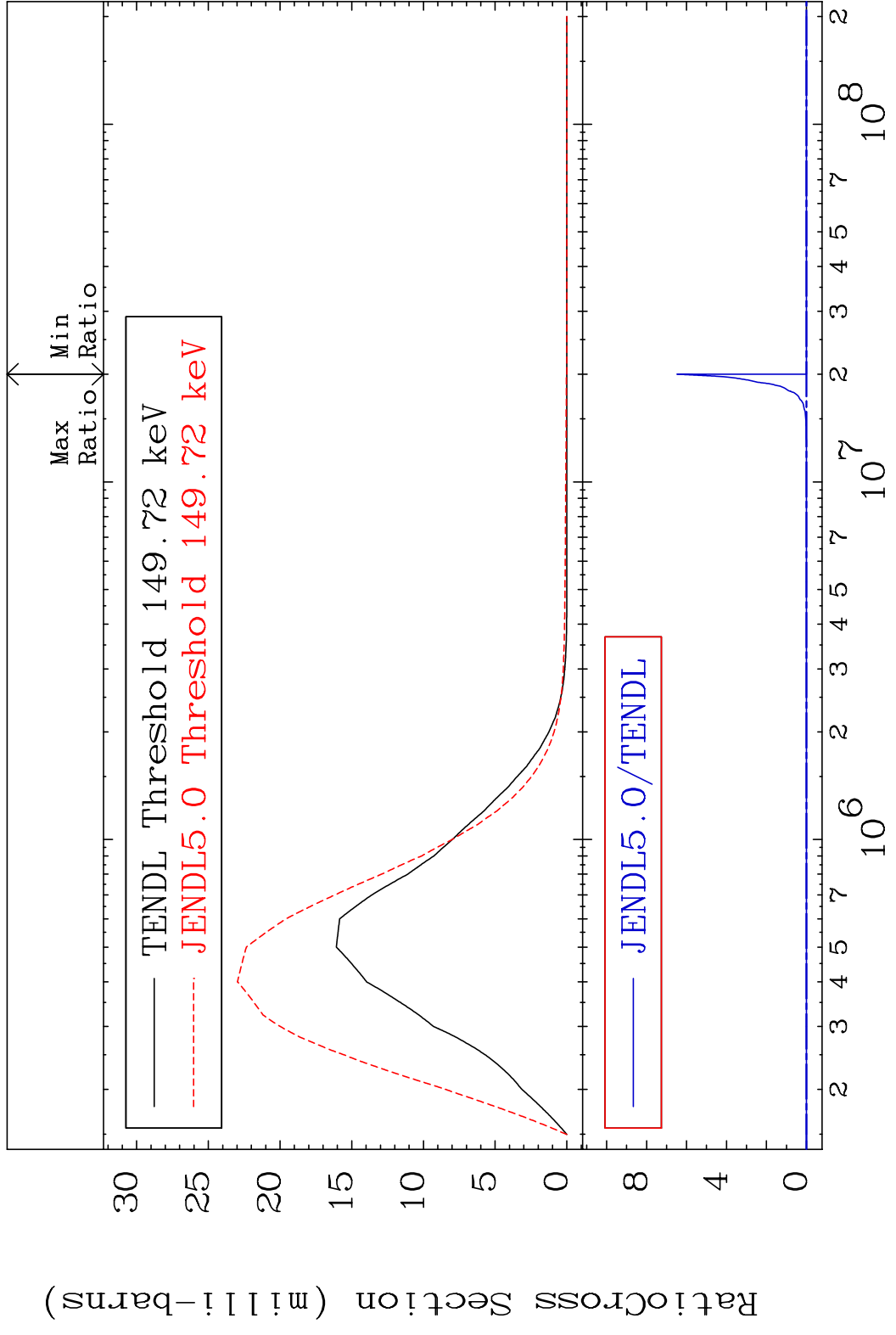
MAT 9547 MT= 59 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



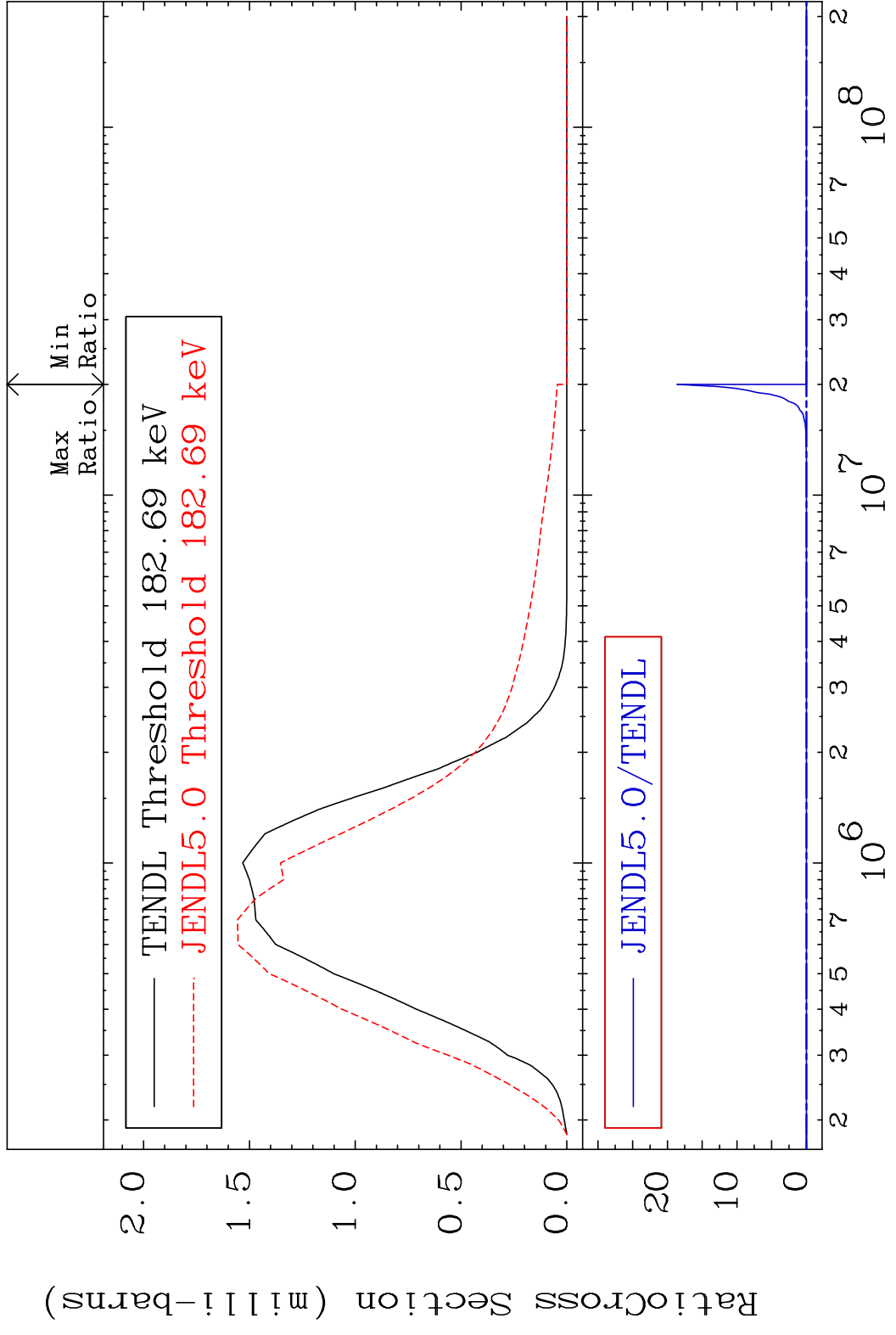
MAT 9547 MT= 60 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 61 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

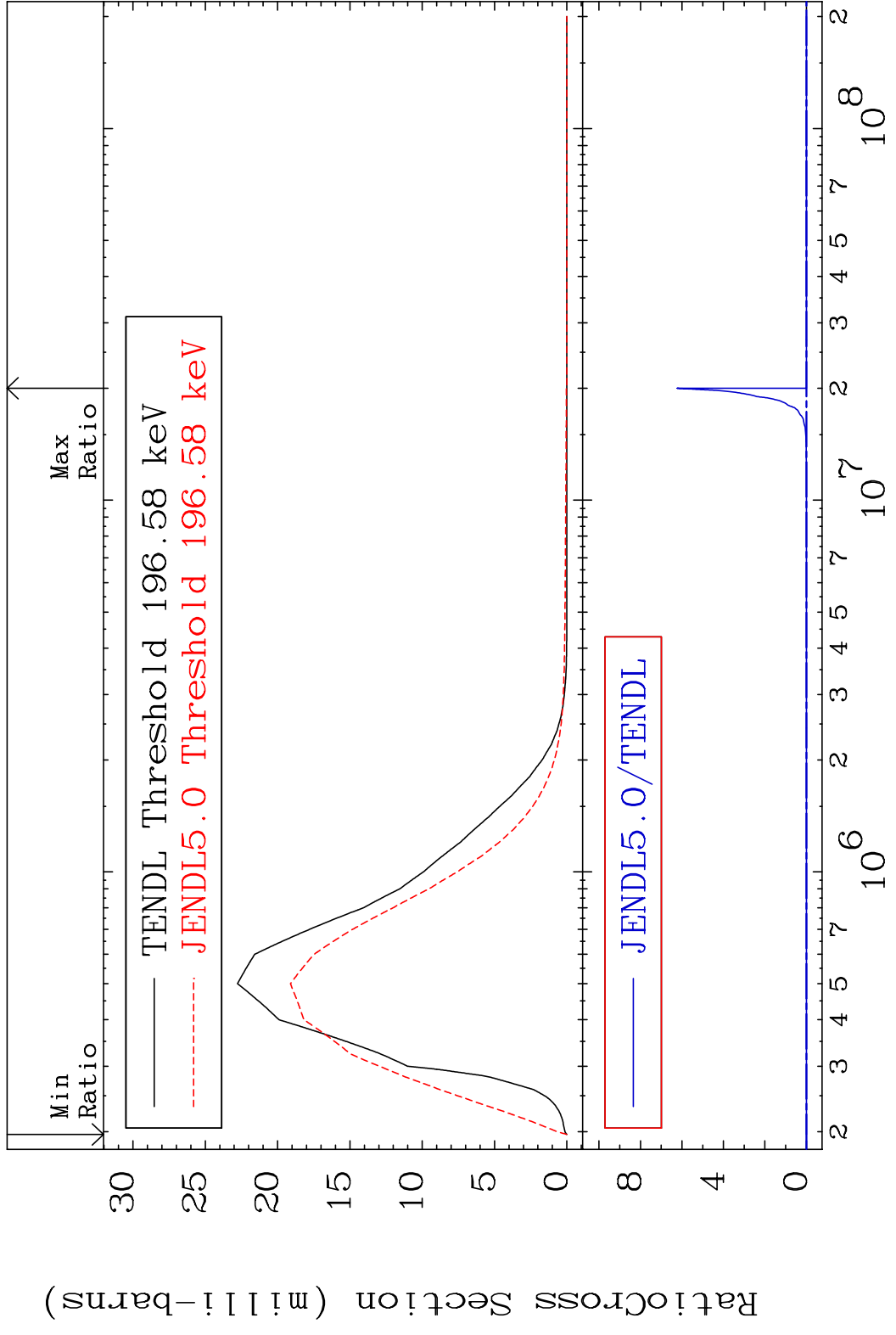


MAT 9547 MT= 62 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

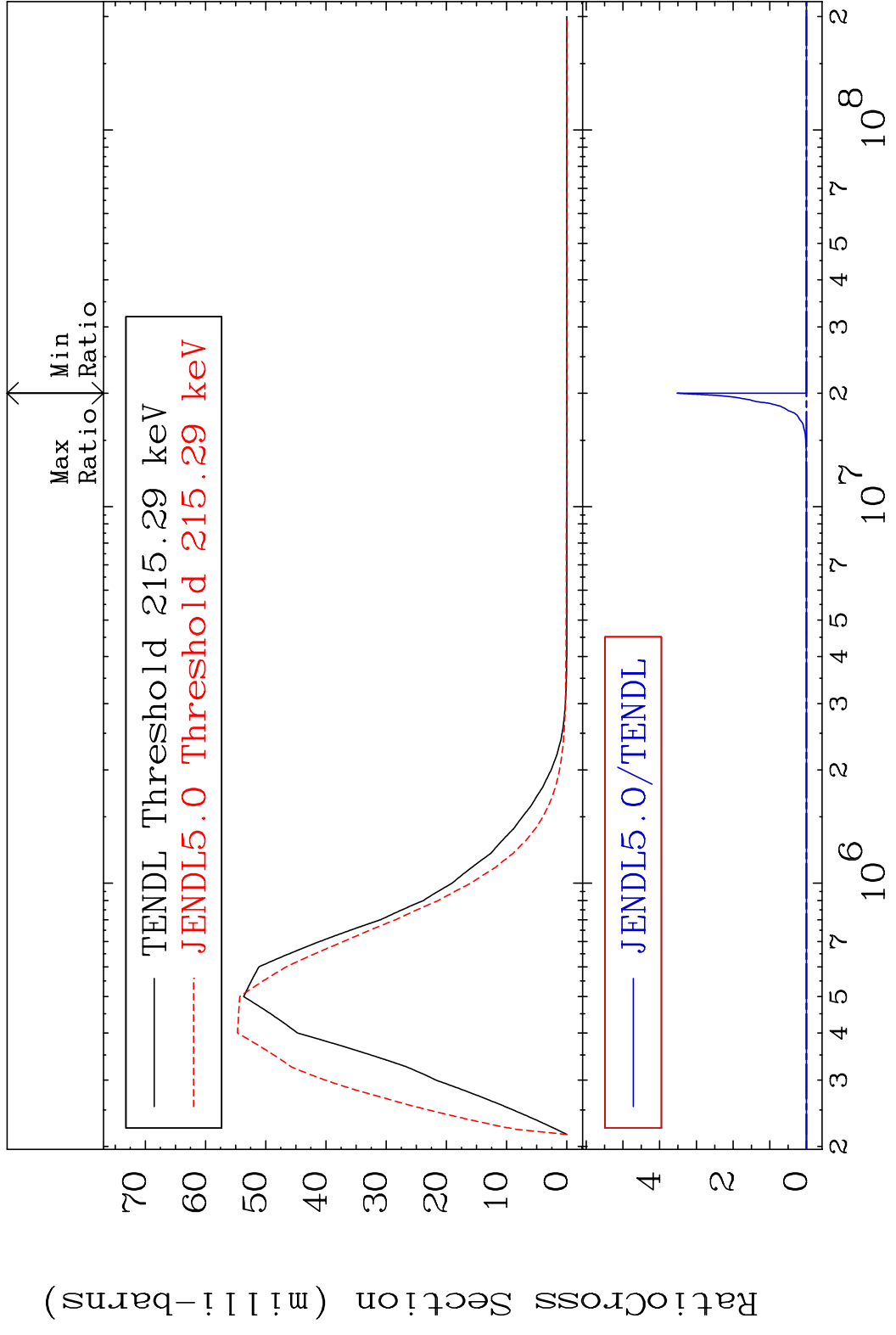


20 Incident Energy (eV) 95-Am-242m

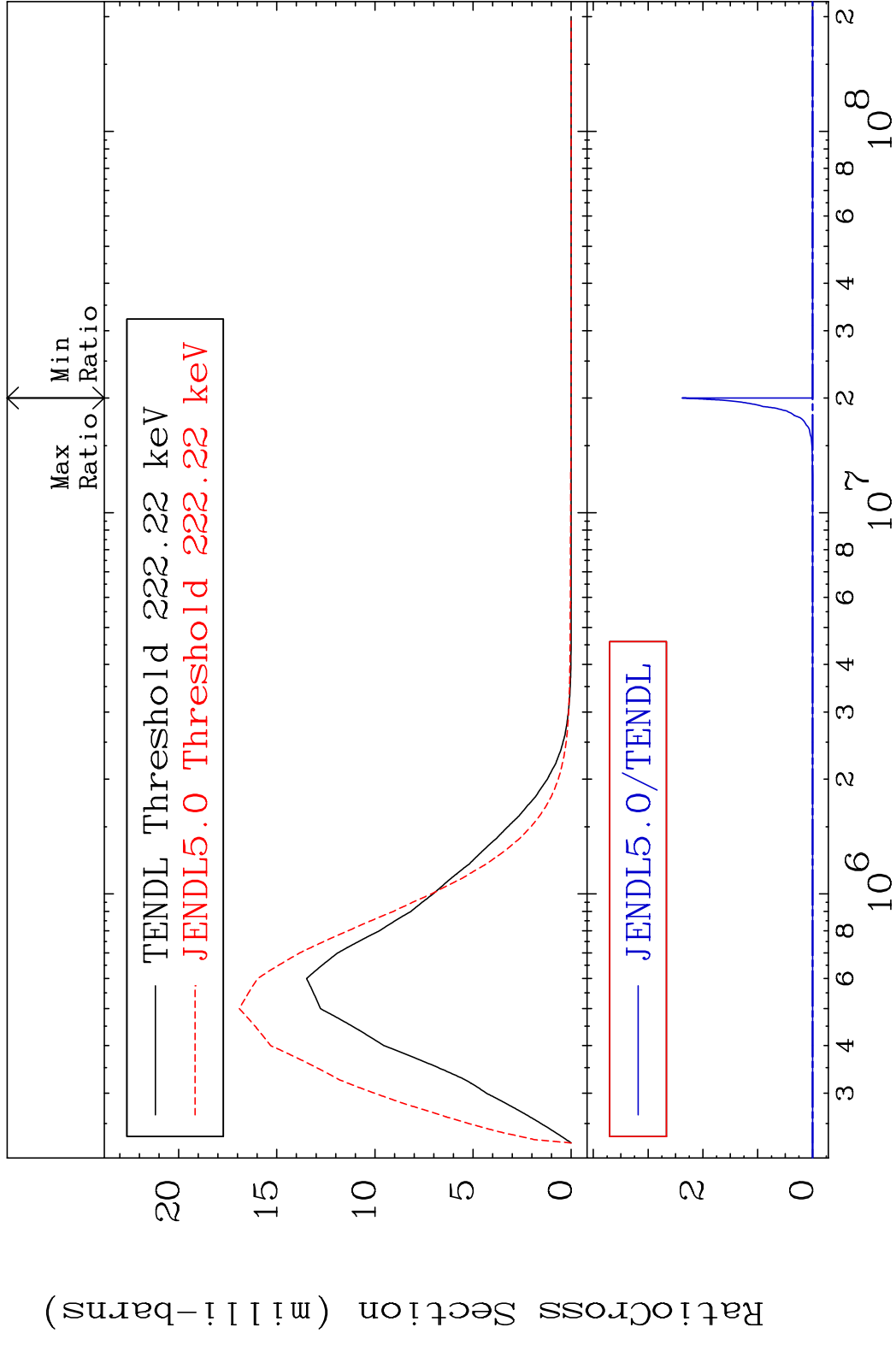
MAT 9547 MT= 63 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



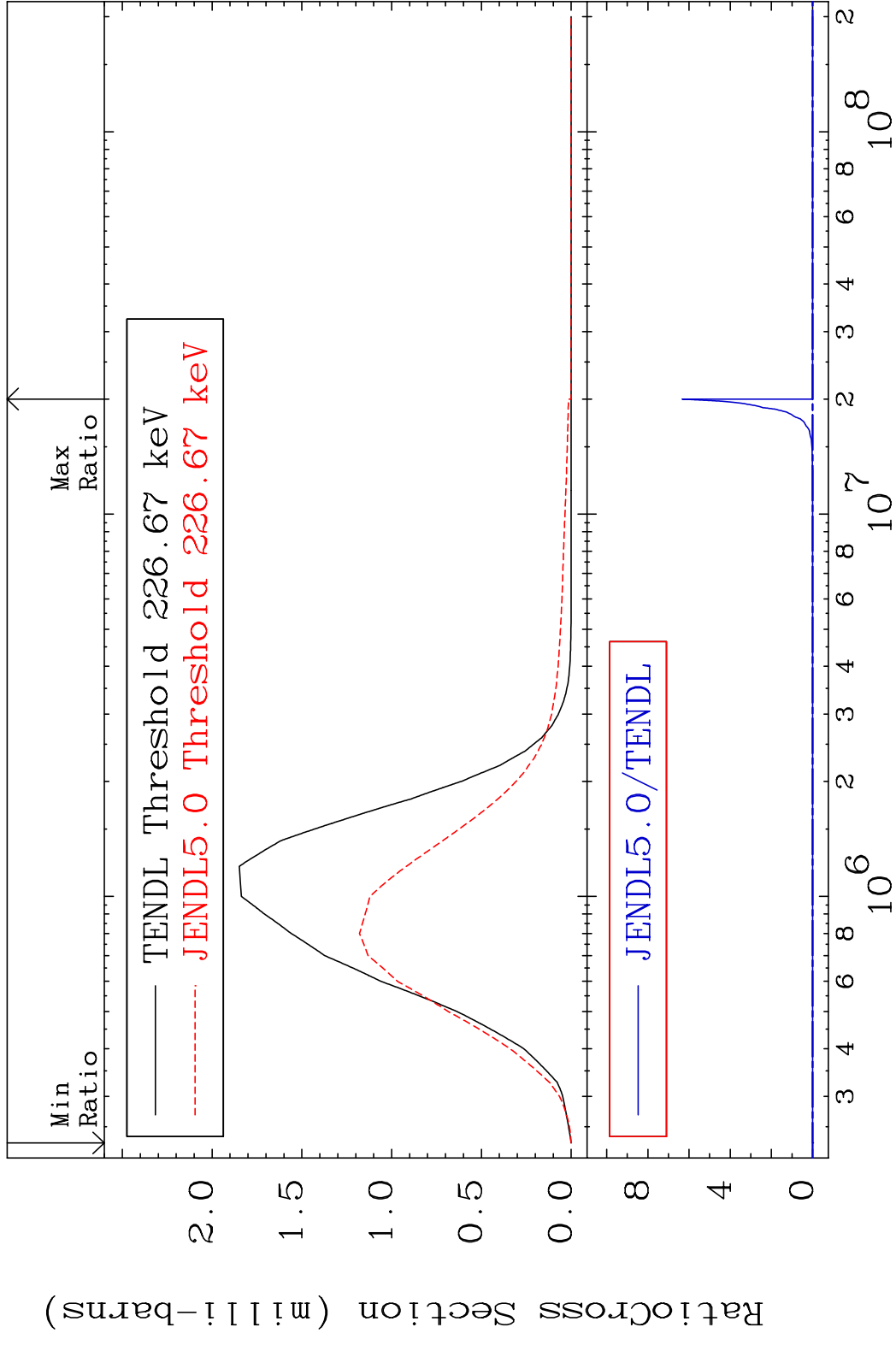
MAT 9547 MT= 64 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



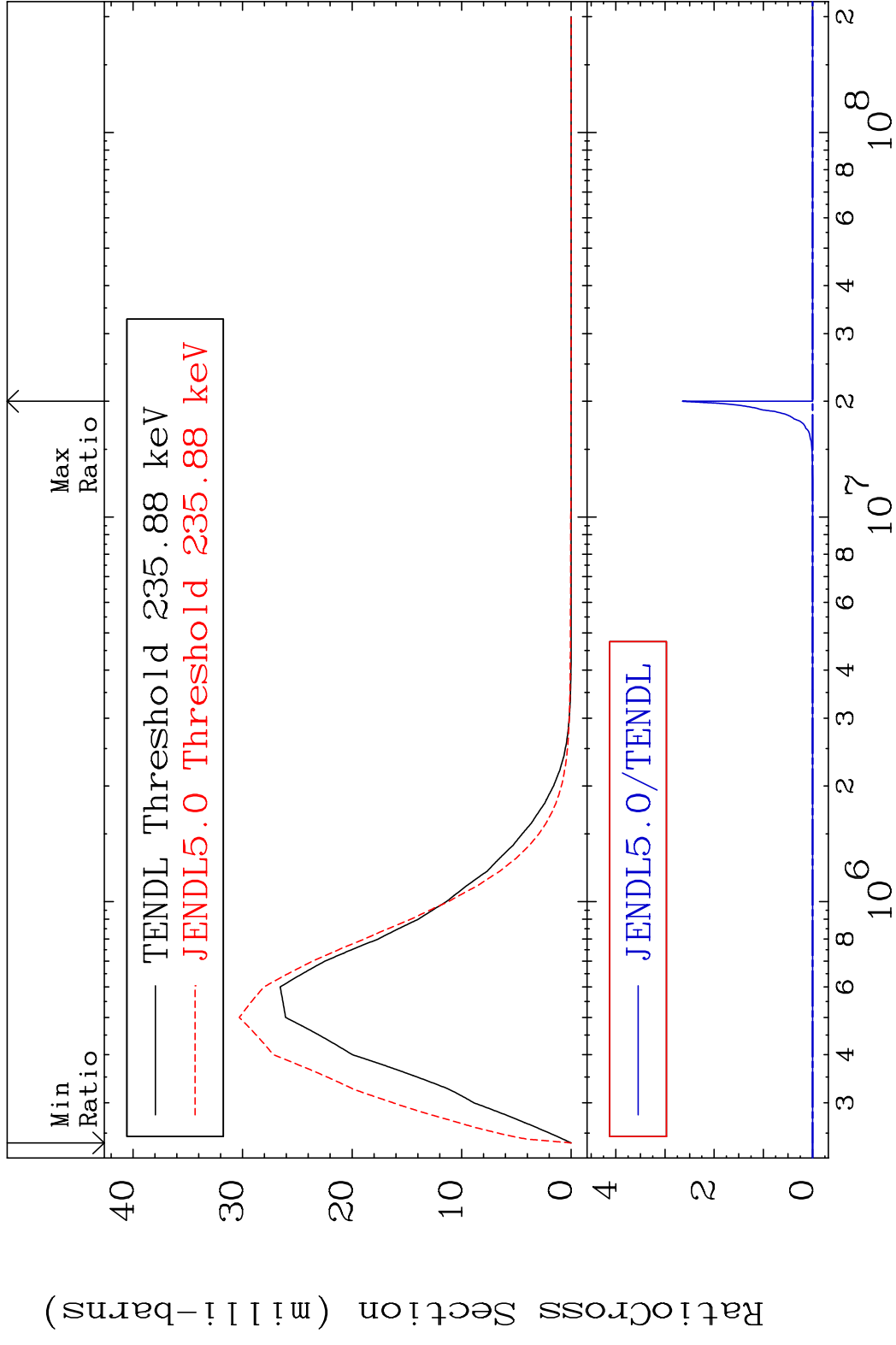
MAT 9547 MT= 65 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



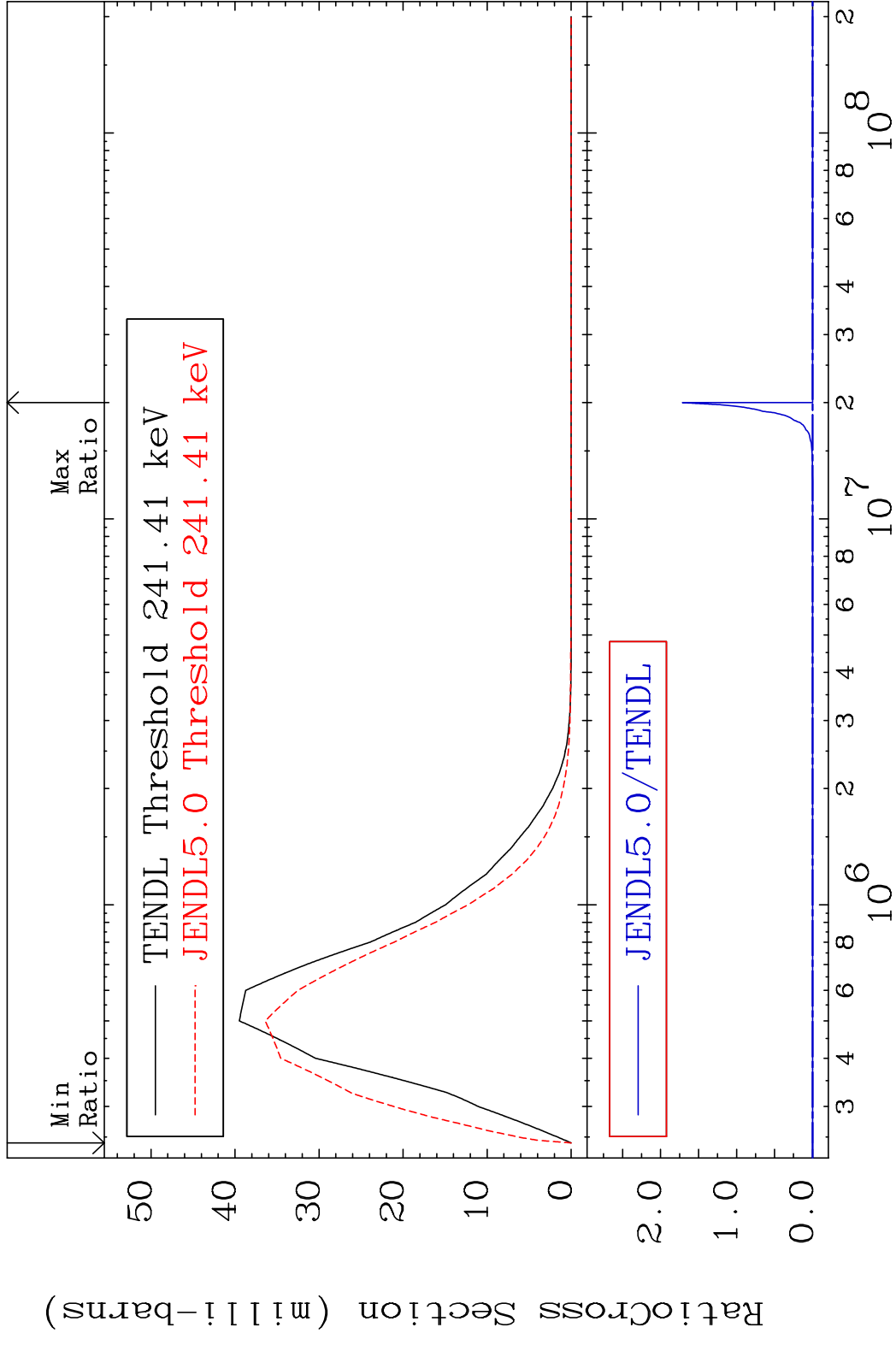
MAT 9547 MT= 66 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



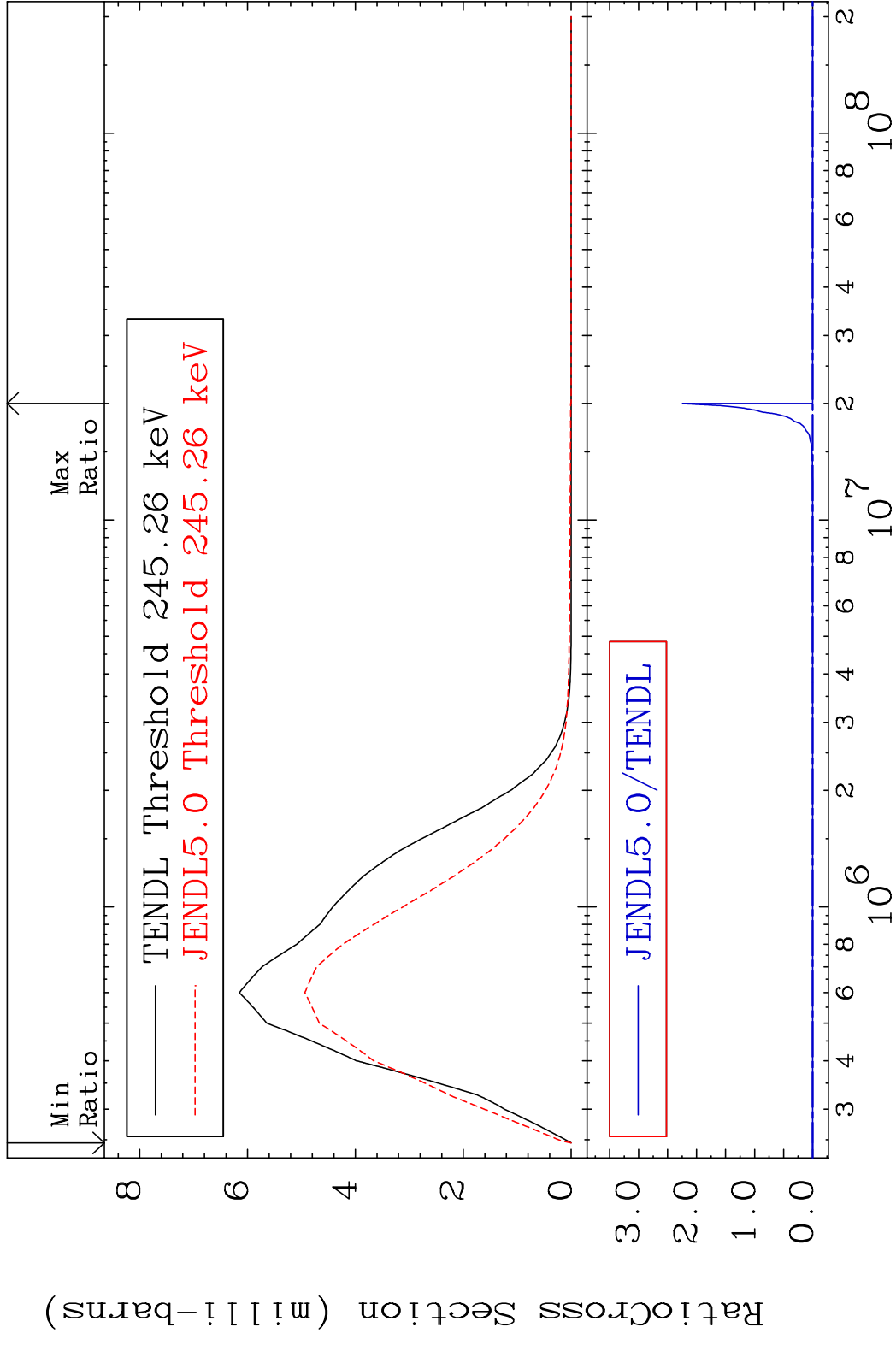
MAT 9547 MT= 67 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



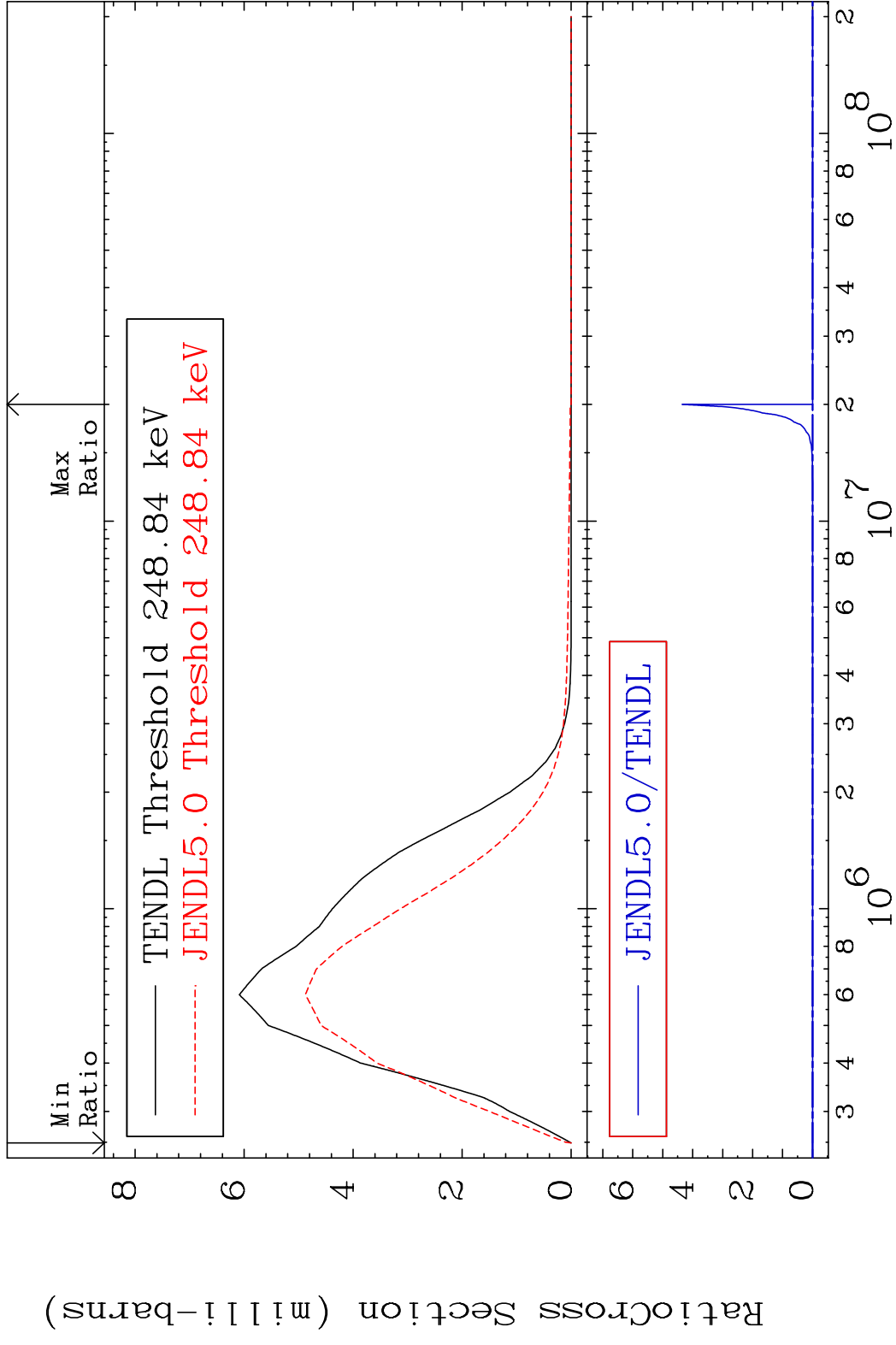
MAT 9547 MT= 68 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



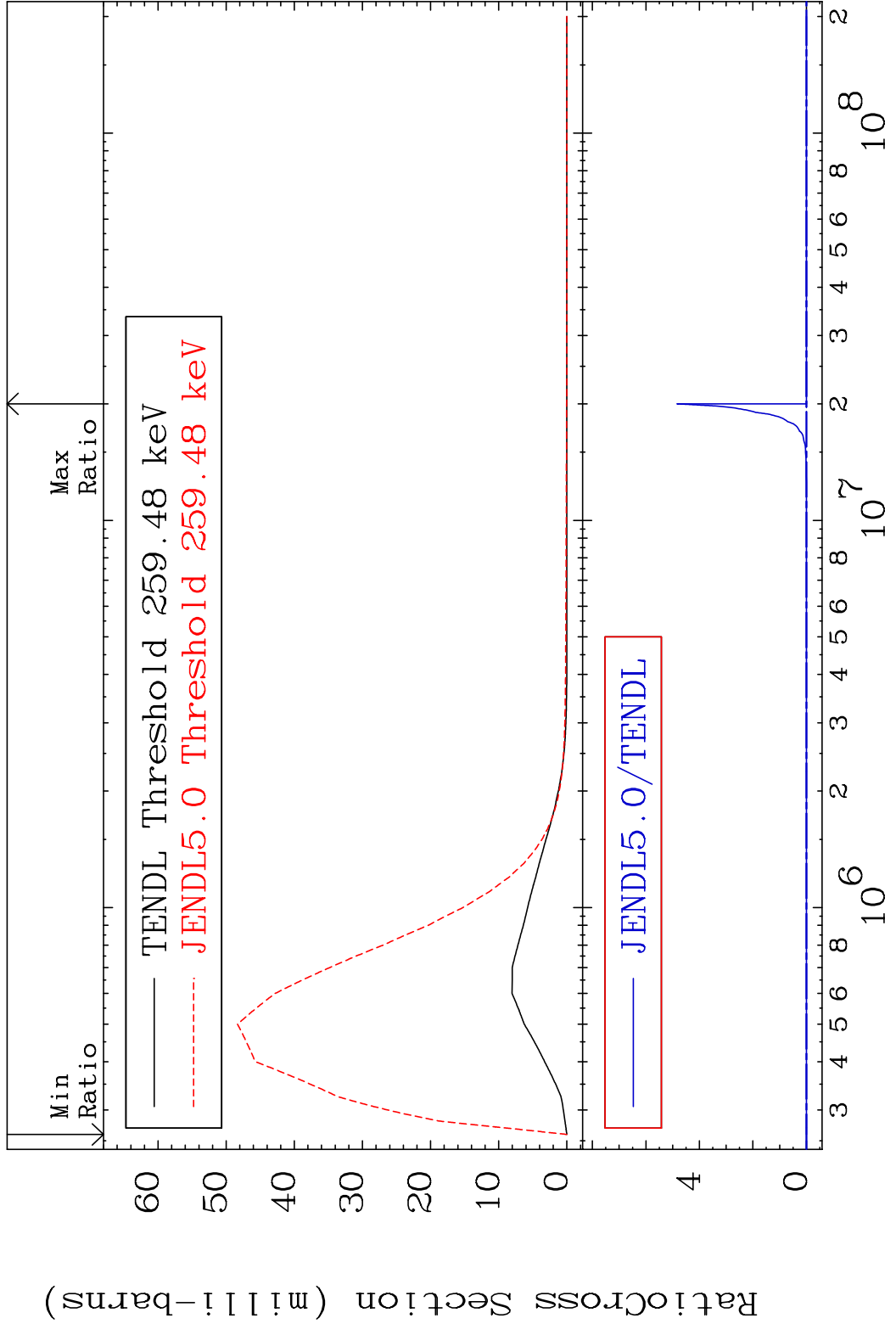
MAT 9547 MT= 69 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



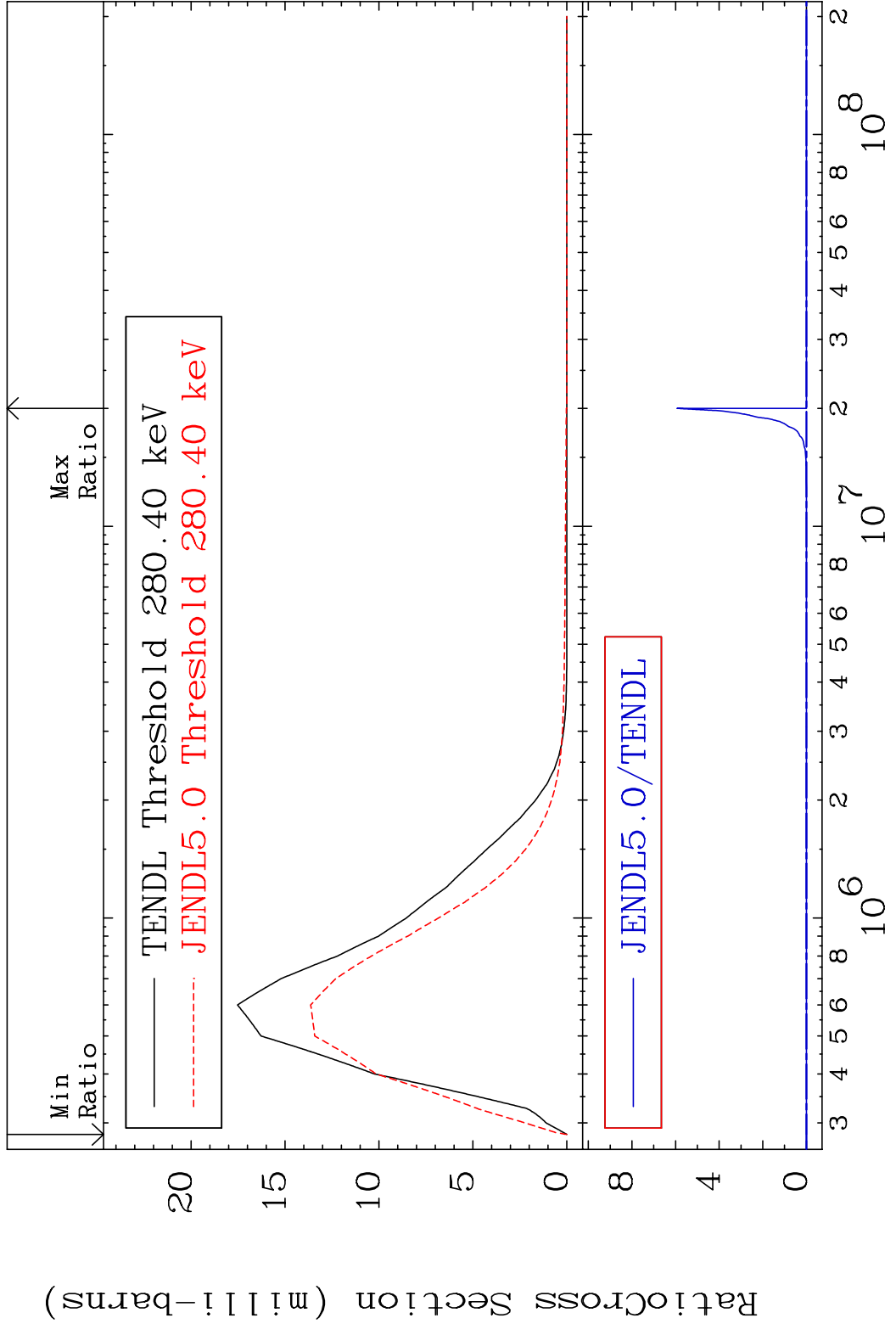
MAT 9547 MT= 70 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 71 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

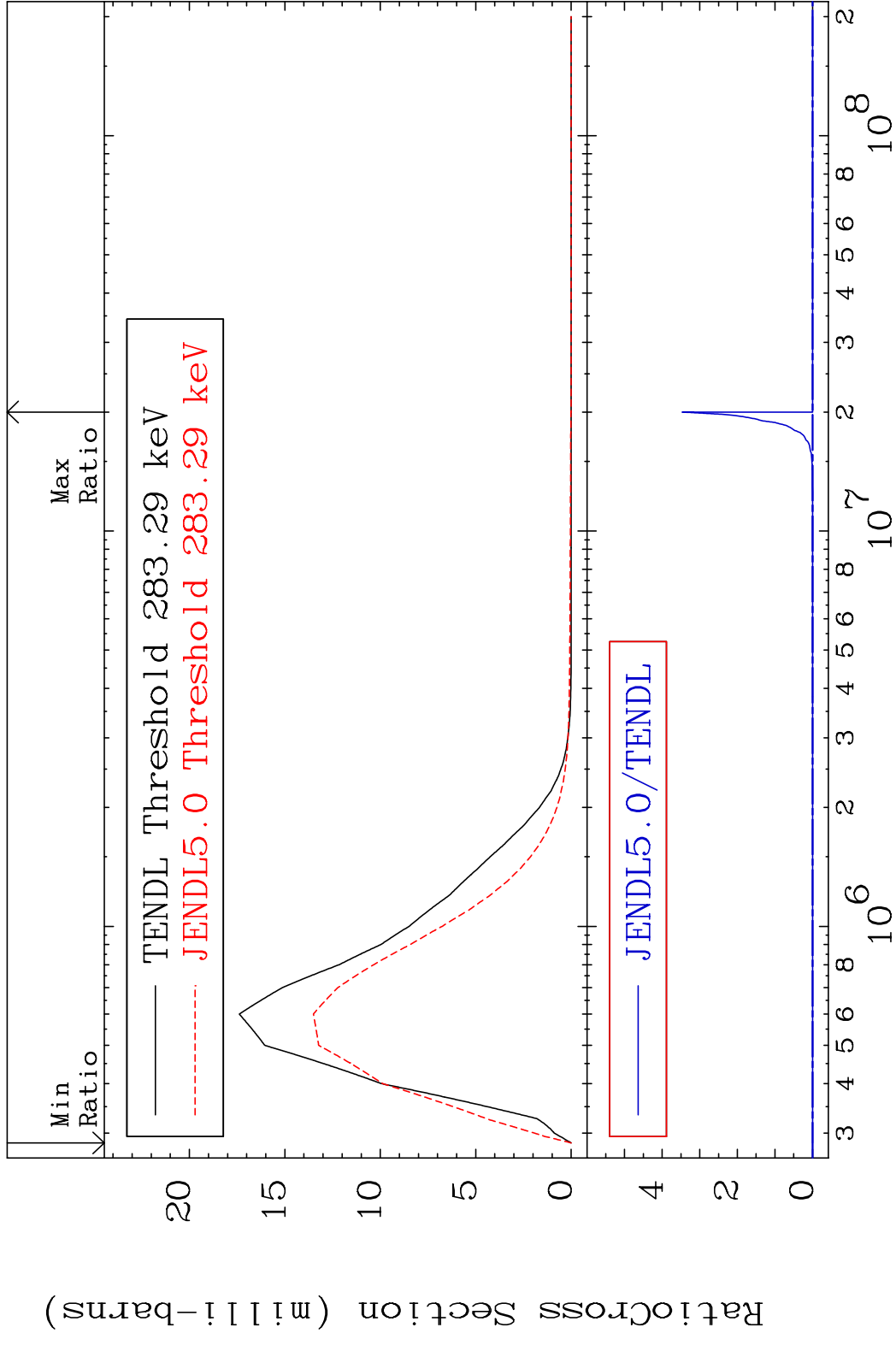


MAT 9547 MT= 72 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

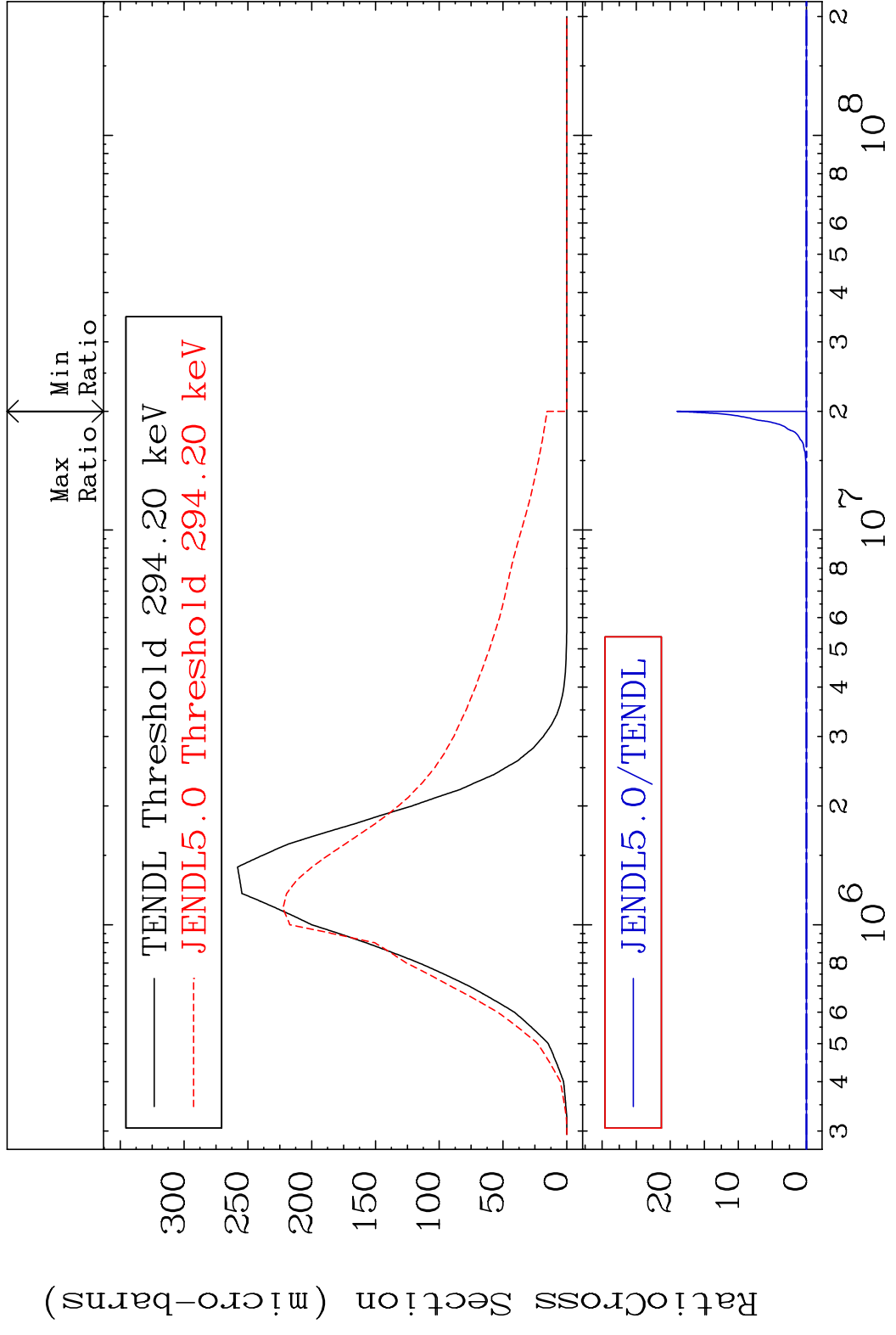


30 Incident Energy (eV) 95-Am-242m

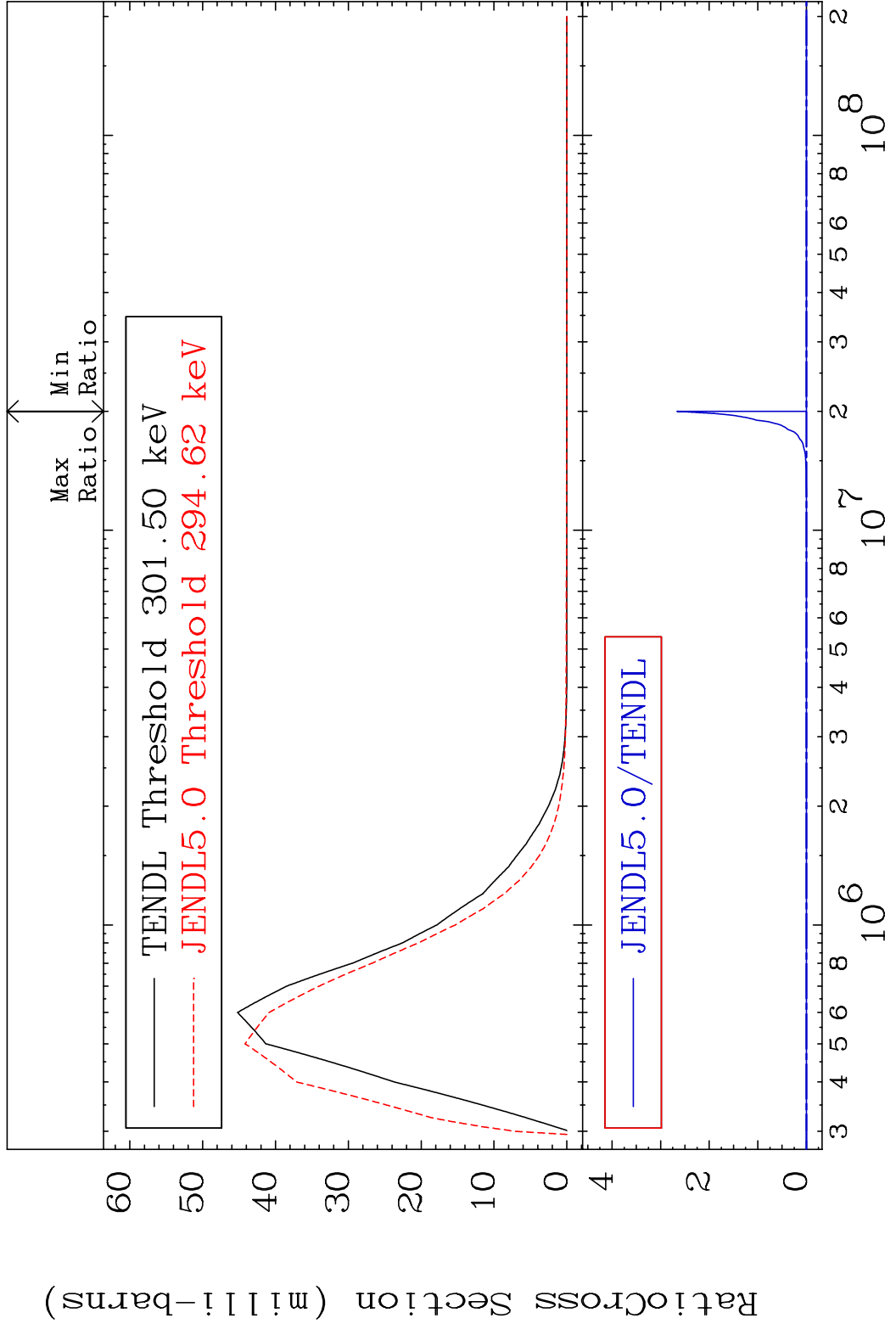
MAT 9547 MT= 73 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



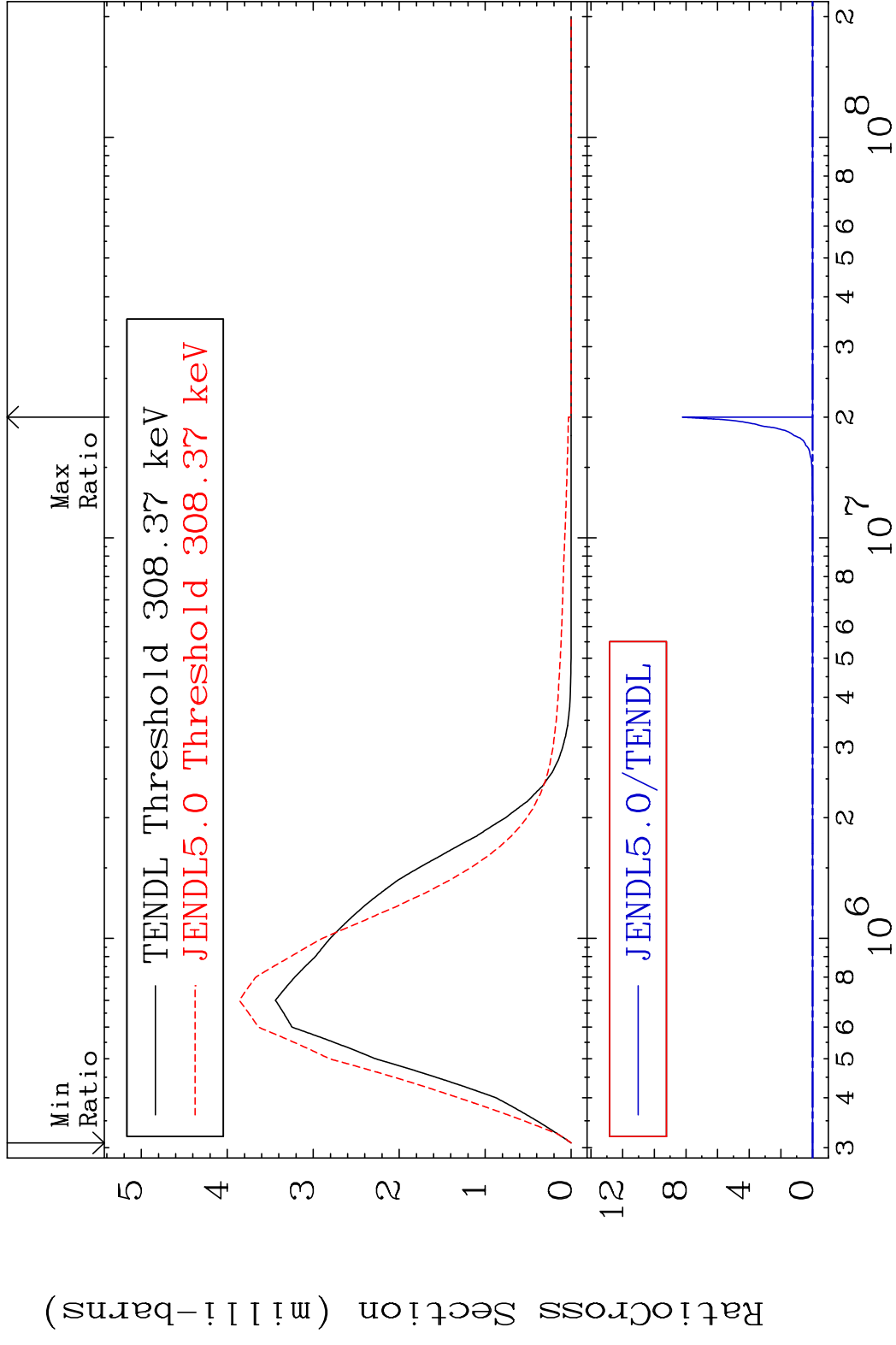
MAT 9547 MT= 74 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



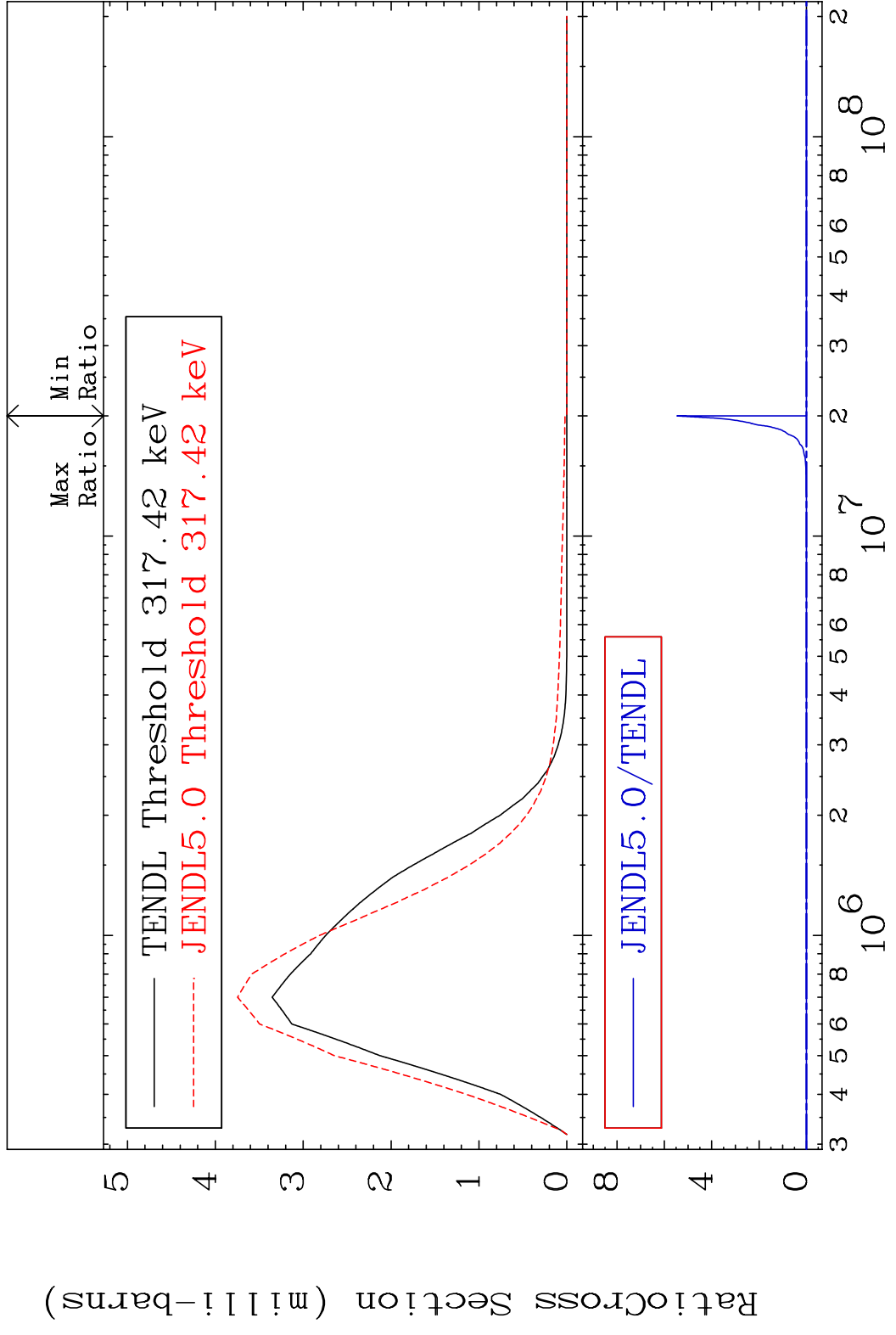
MAT 9547 MT= 75 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



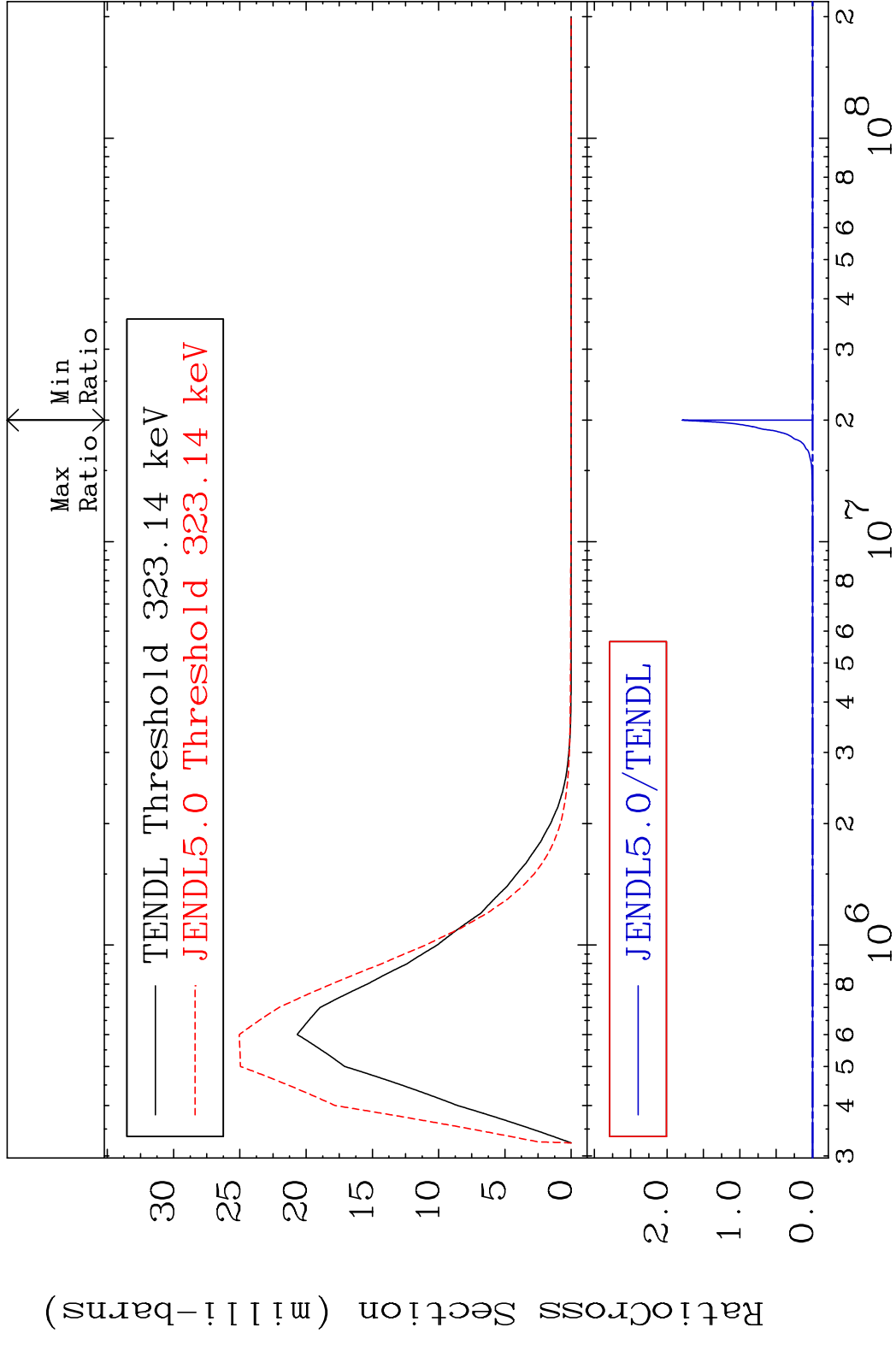
MAT 9547 MT= 76 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



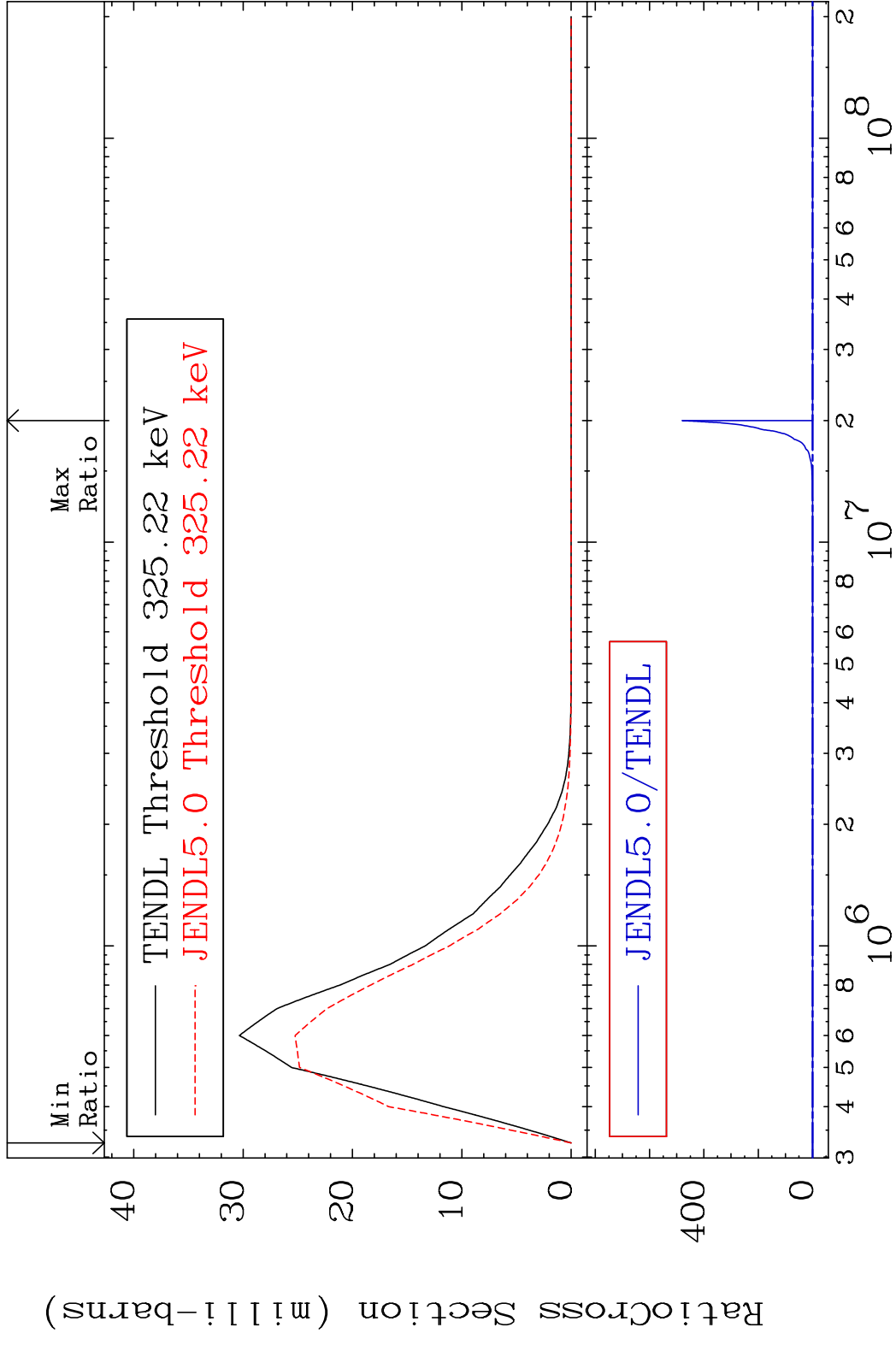
MAT 9547 MT= 77 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



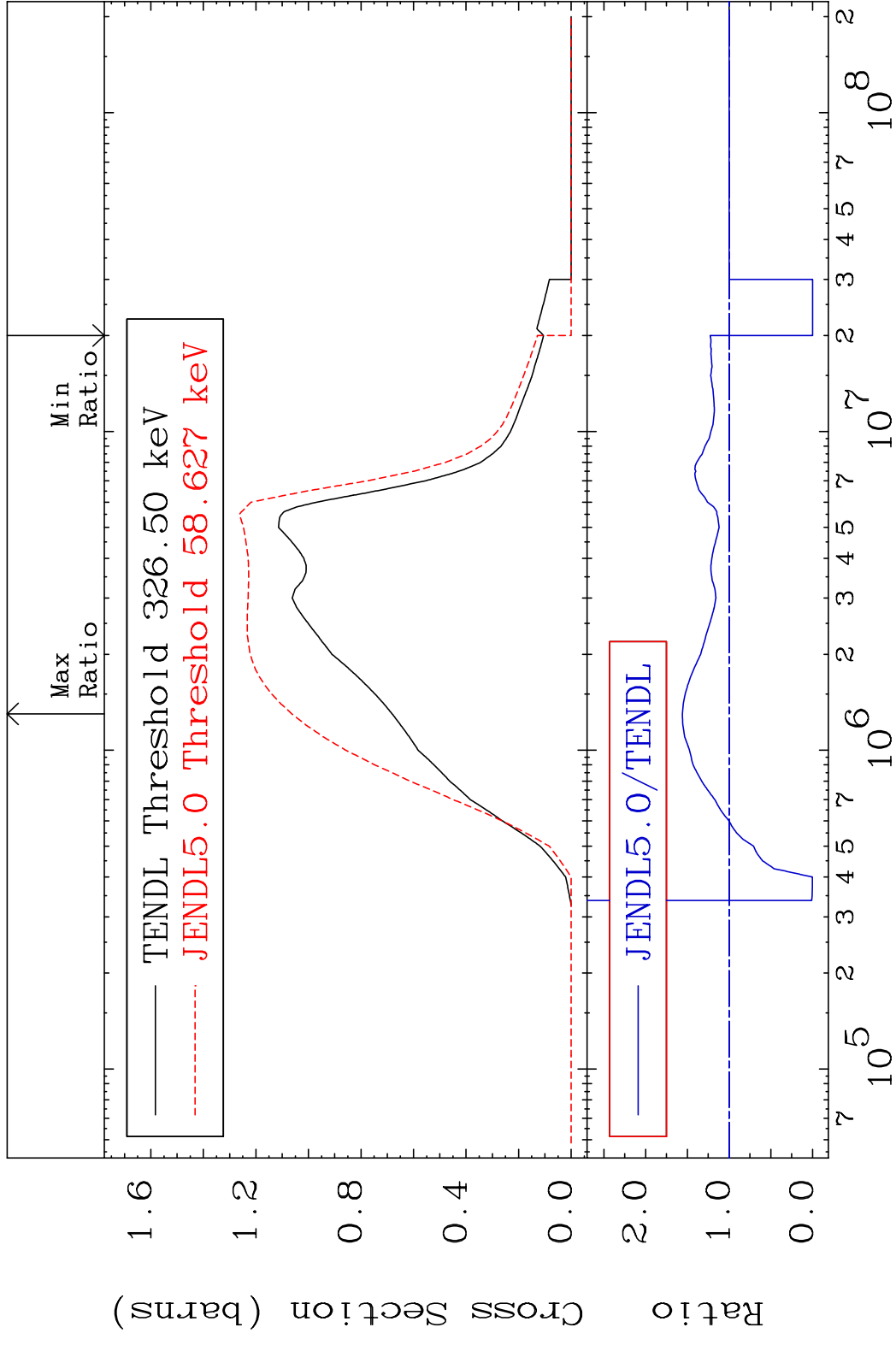
MAT 9547 MT= 78 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 79 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 (n, n') Continuum 95-Am-242m
 Cross Section -100.0 To 56.00 %

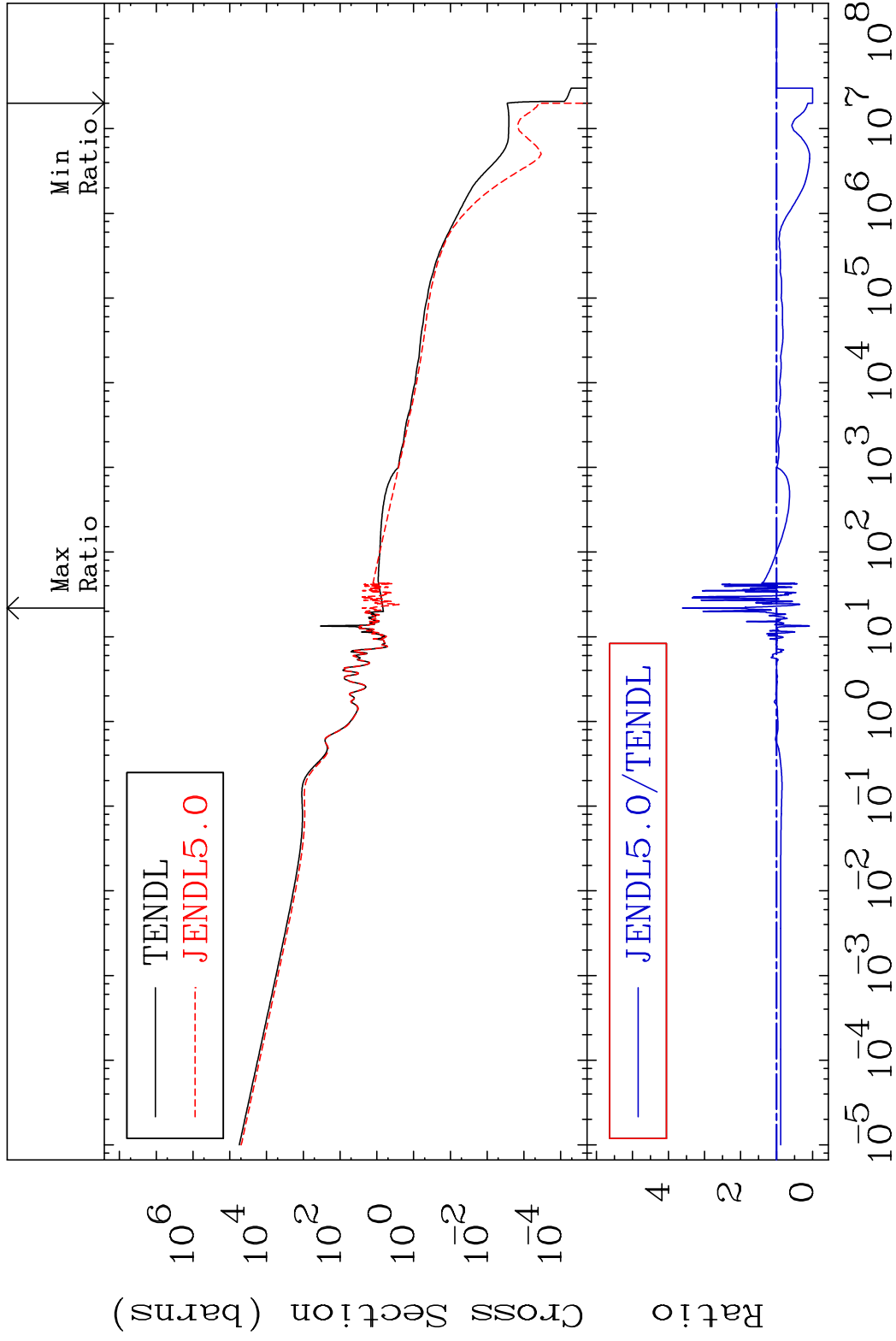


MAT 9547

(n, γ)

95-Am-242m

Cross Section -100.0 To 261.4 %



39

Incident Energy (eV)

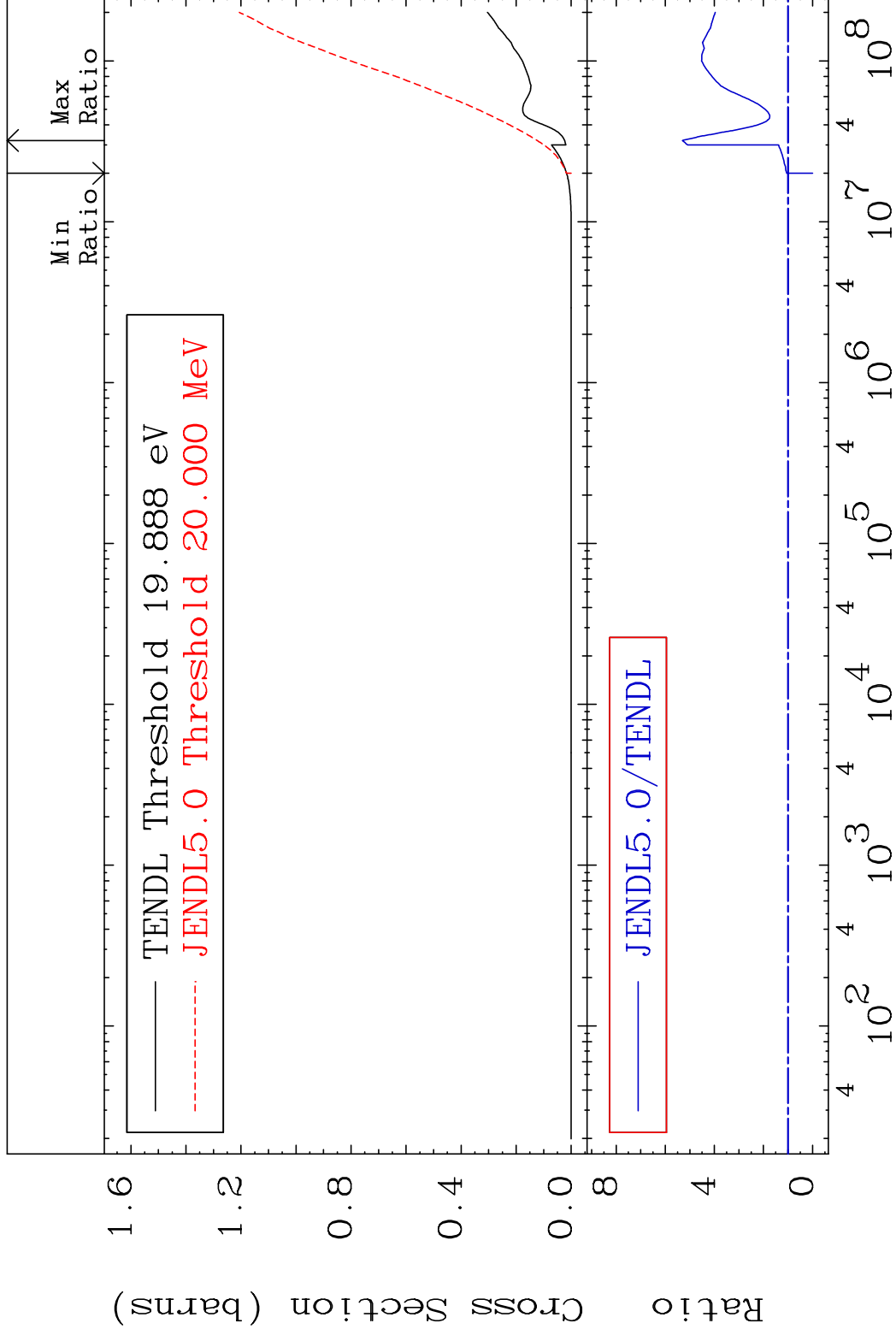
95-Am-242m

MAT 9547

Hydrogen Production

95-Am-242m

Cross Section -100.0 To 430.3 %



40

Incident Energy (eV)

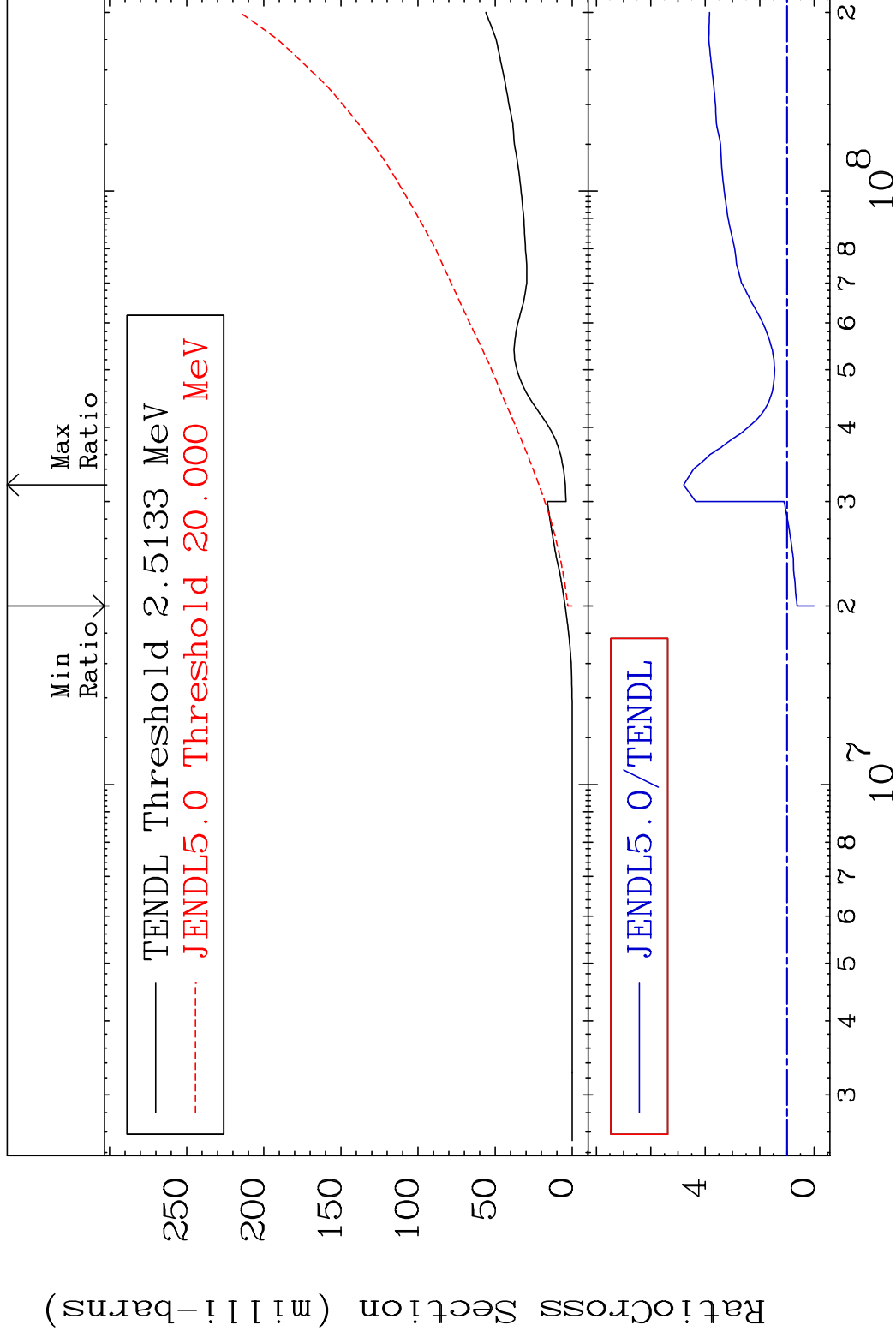
95-Am-242m

MAT 9547

Deuterium Production

95-Am-242m

Cross Section -100.0 To 379.3 %



41

Incident Energy (eV)

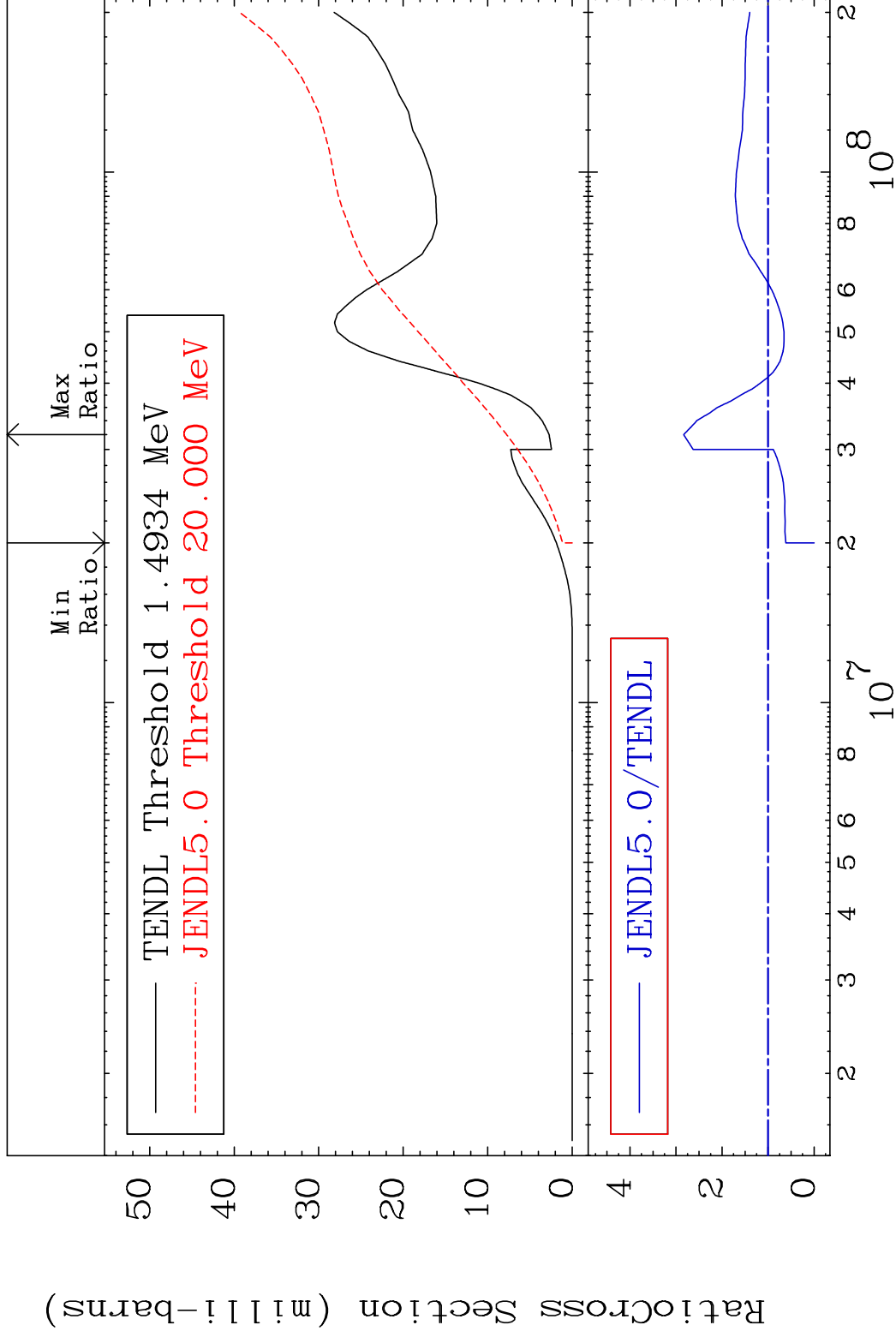
95-Am-242m

MAT 9547

Tritium Production

95-Am-242m

Cross Section -100.0 To 183.4 %



42

Incident Energy (eV)

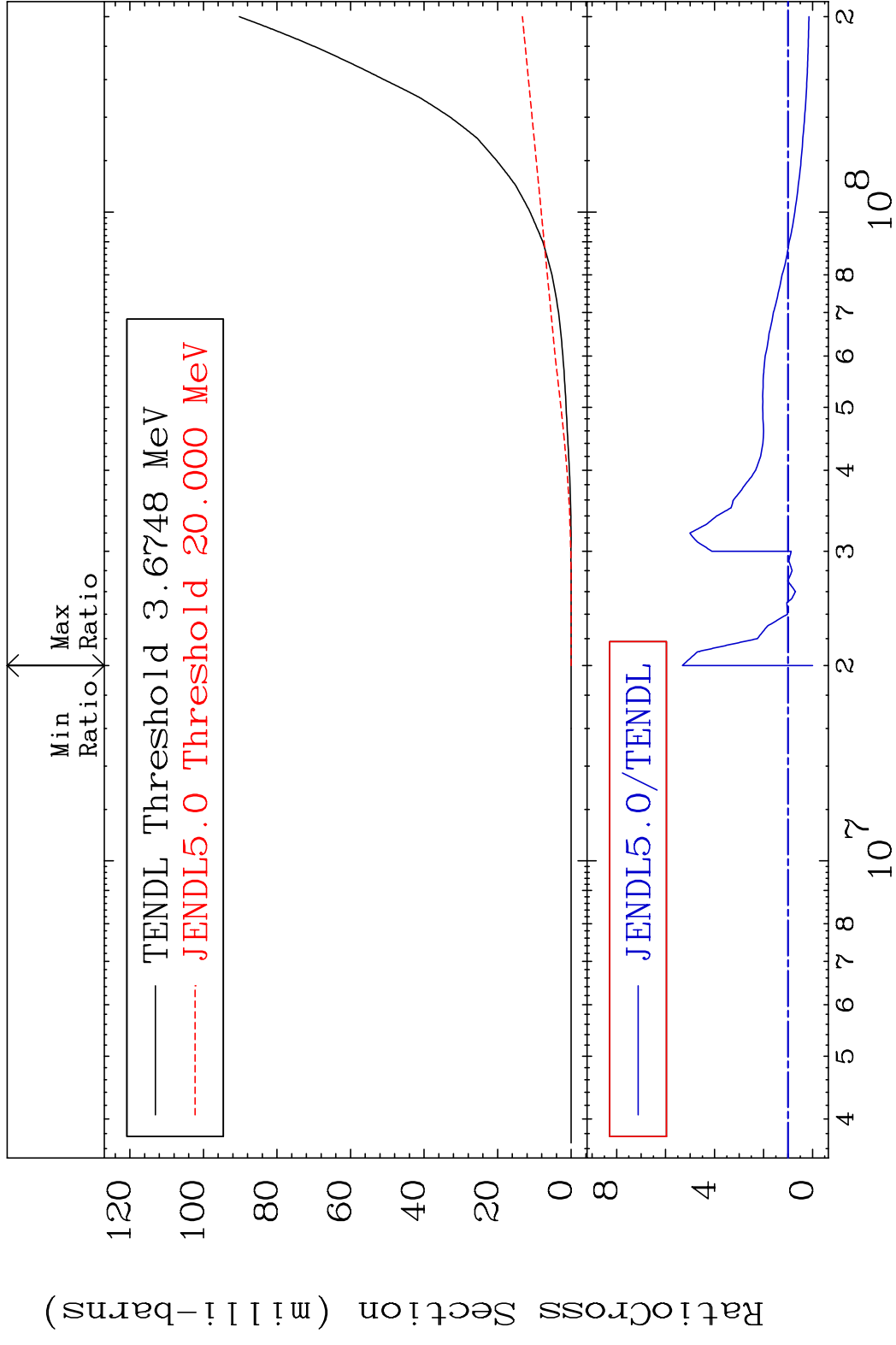
95-Am-242m

MAT 9547

He-3 Production

95-Am-242m

Cross Section -100.0 To 431.7 %



43

Incident Energy (eV)

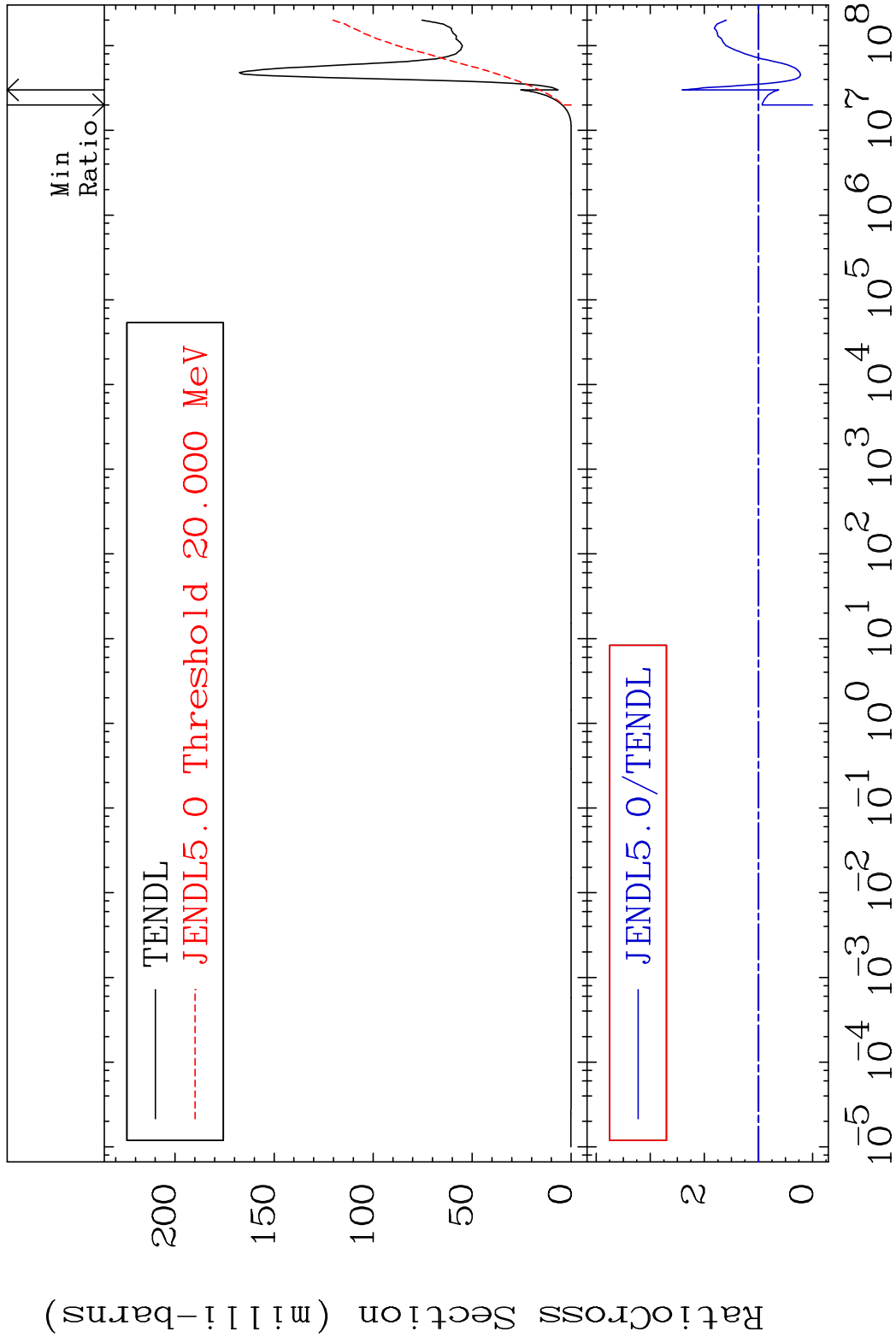
95-Am-242m

MAT 9547

He-4 Production

95-Am-242m

Cross Section -100.0 To 140.7 %



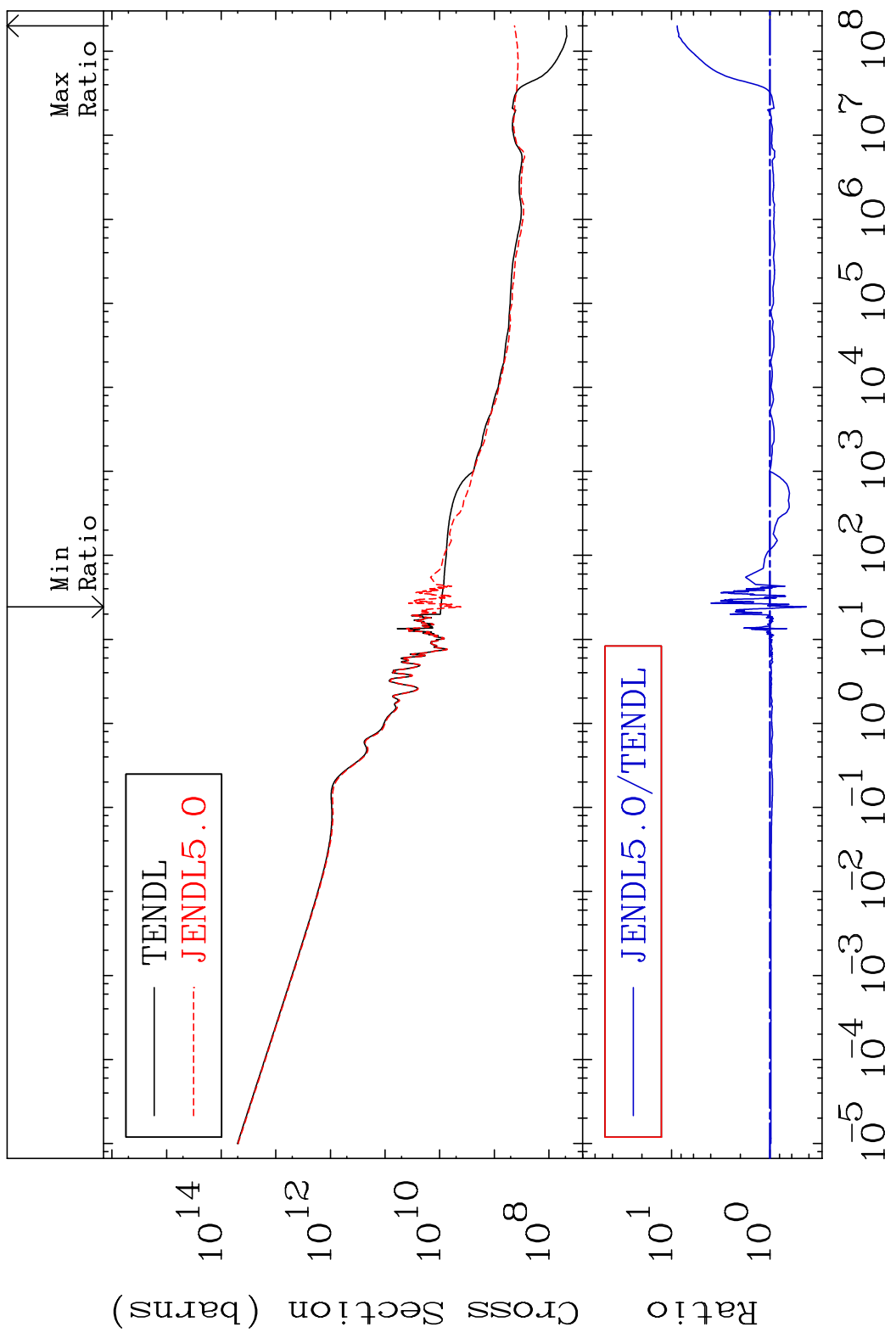
44

Incident Energy (eV)

95-Am-242m

MAT 9547

Kerma total (eV-barns) 95-Am-242m
Cross Section -57.47 To 777.4 %



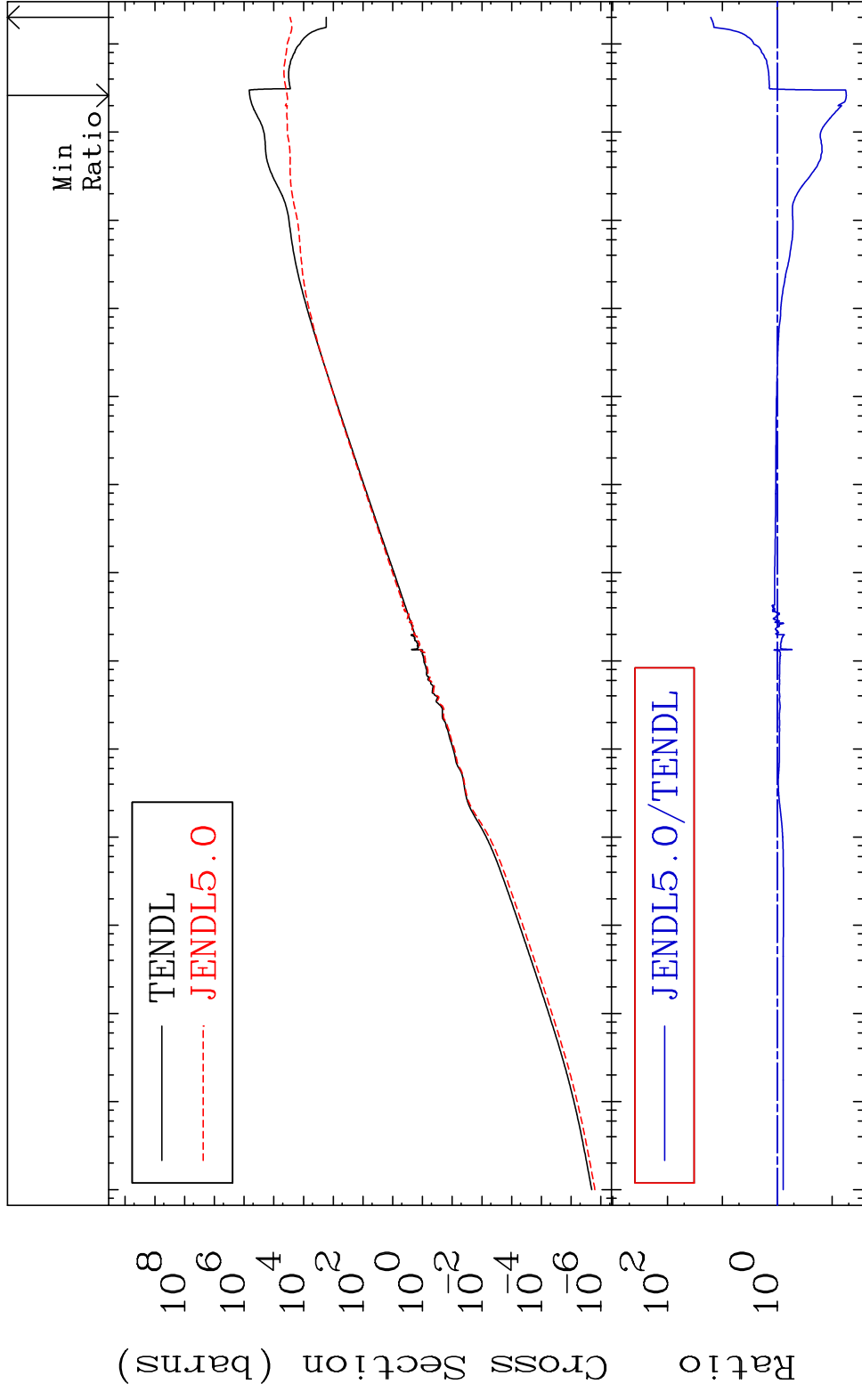
45

Incident Energy (eV) 95-Am-242m

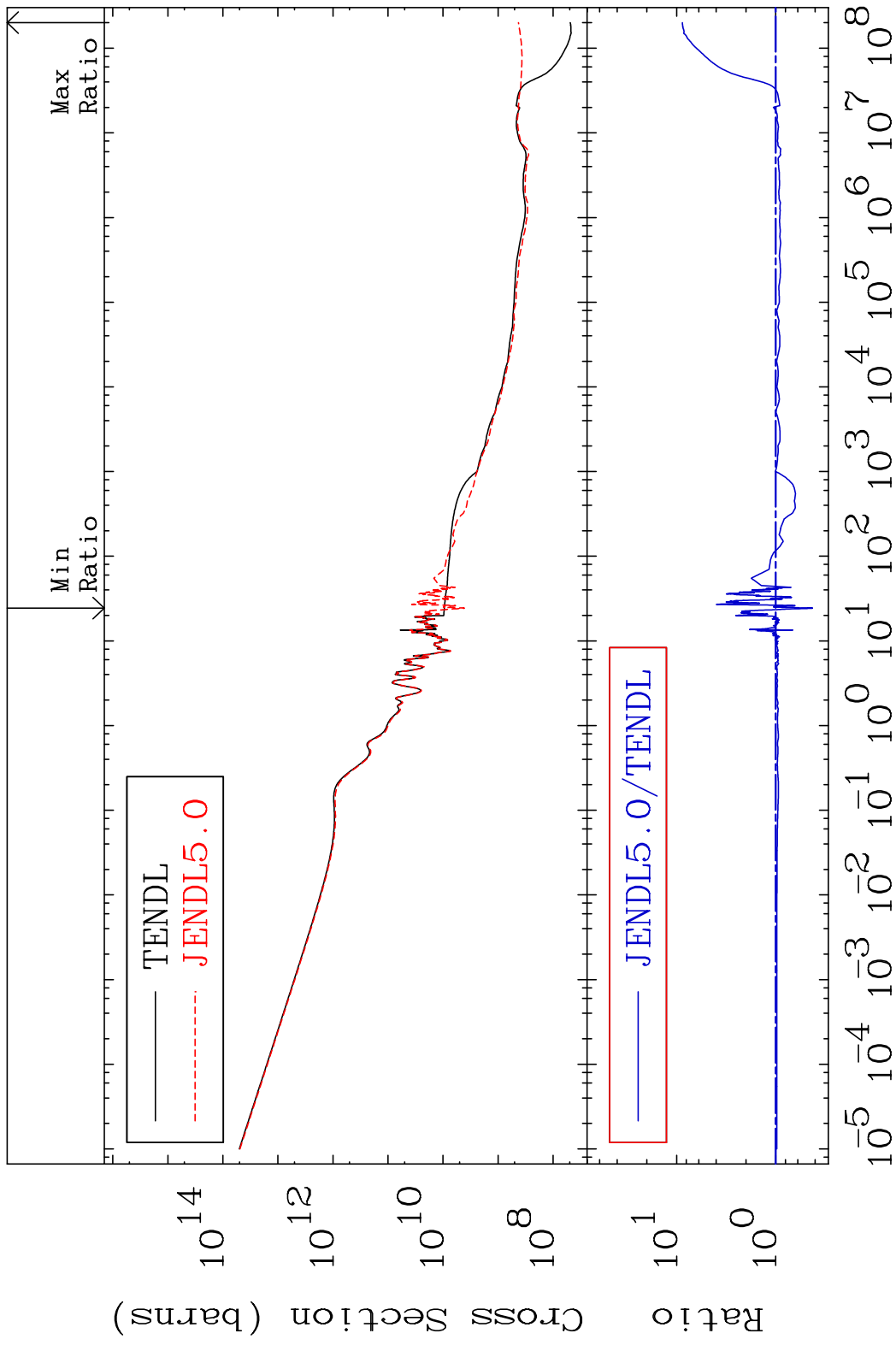
MAT 9547

Kerma elastic
Cross Section -94.49 To 1534. %

95-Am-242m

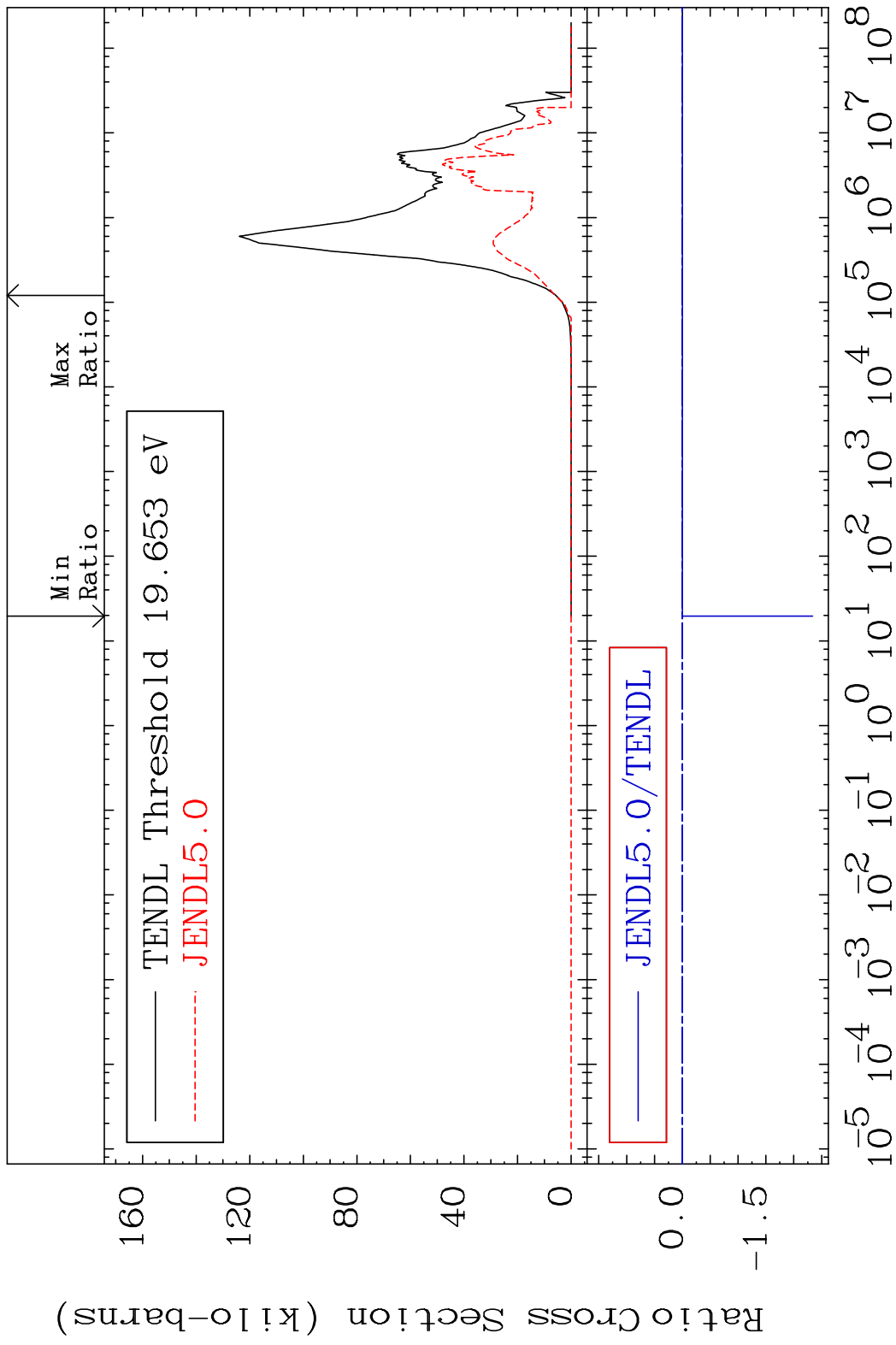


MAT 9547 Kerma non-elastic (all but mt2) 95-Am-242m
 Cross Section -57.47 To 777.4 %



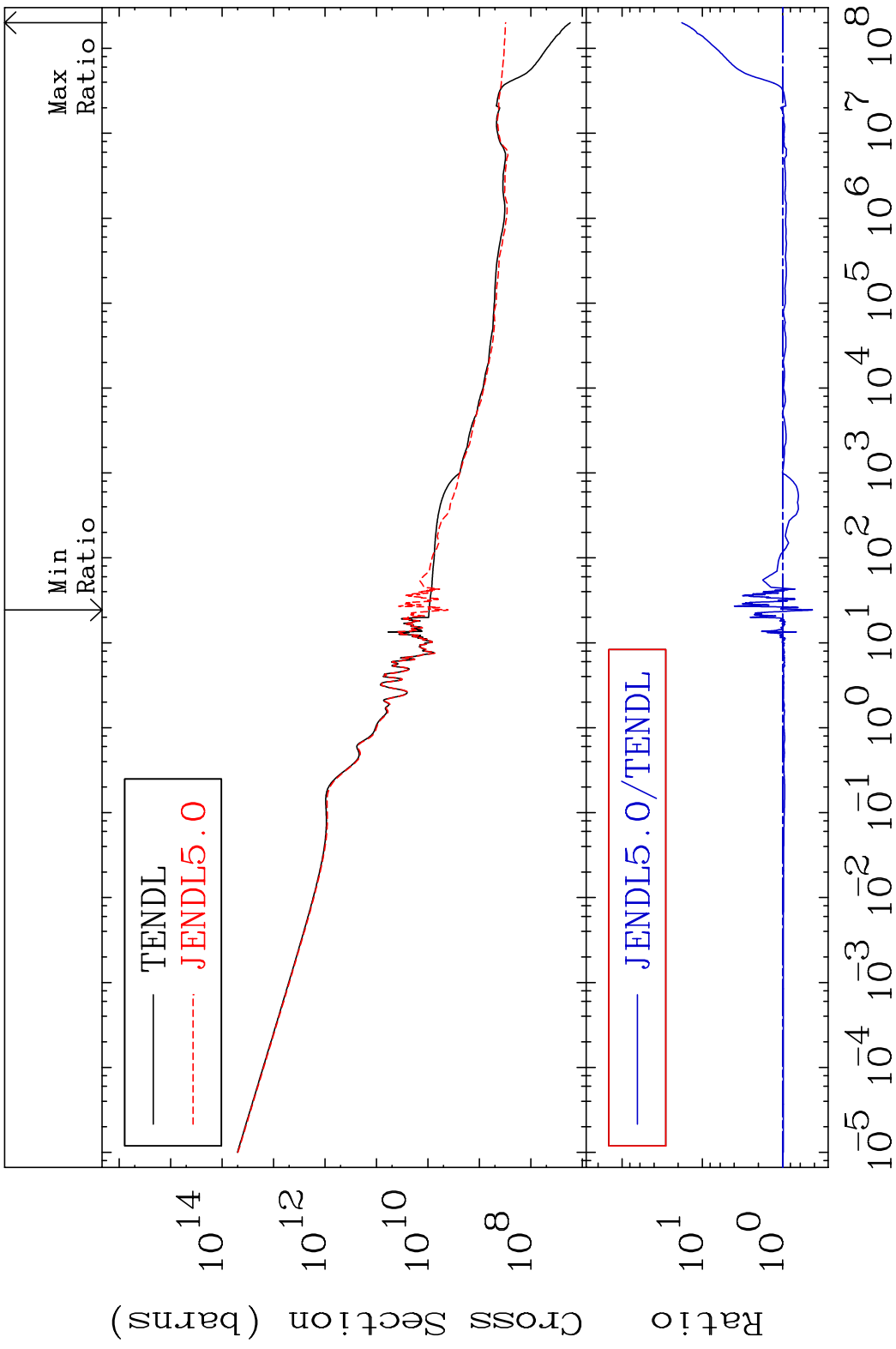
47 Incident Energy (eV) 95-Am-242m

MAT 9547 Kerma inelastic (mt51-91) 95-Am-242m
Cross Section -9999. To 5.580 %



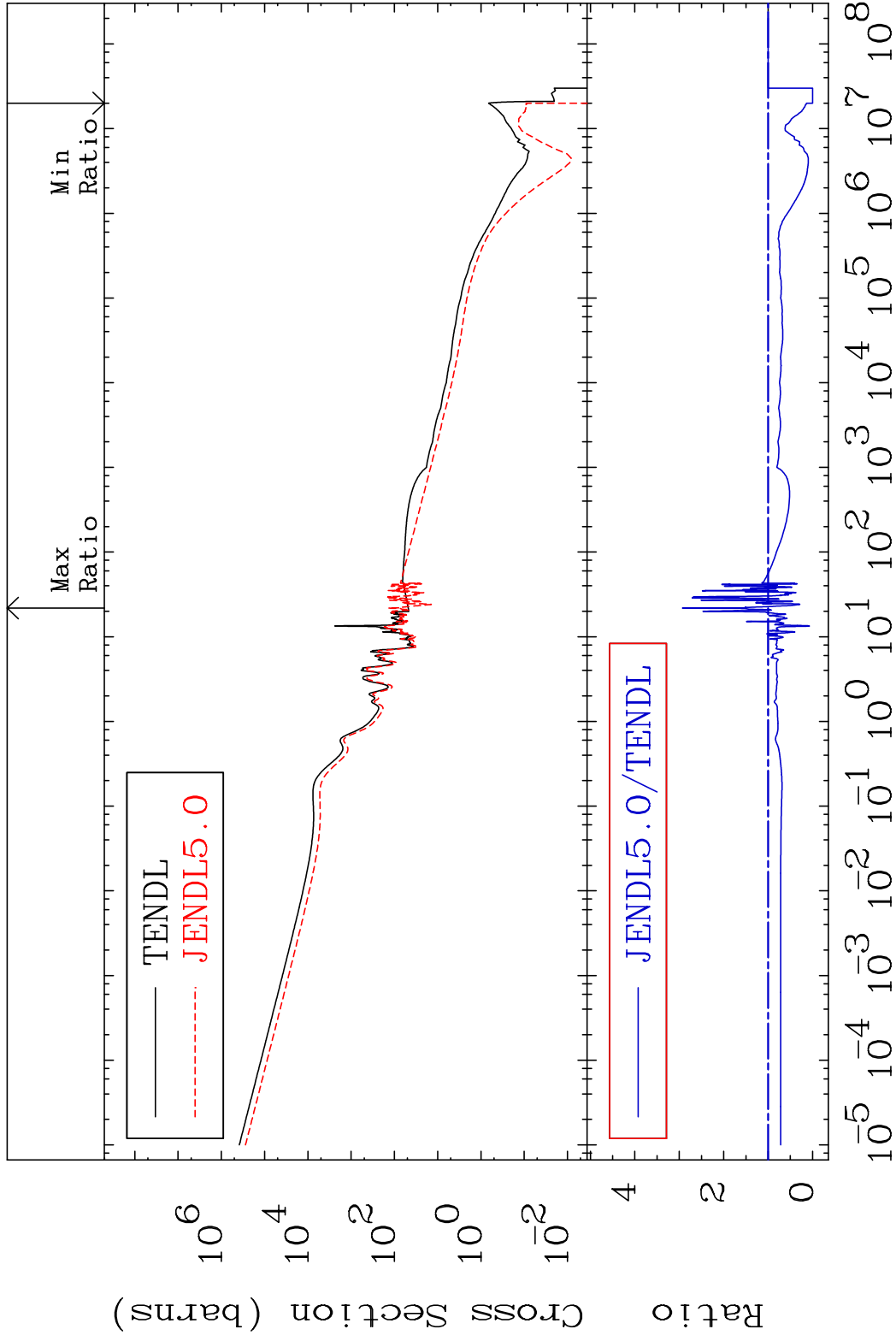
48 95-Am-242m

MAT 9547 Kerma fission (mt18 or mt19-20-21-30) 95-Am-242m
 Cross Section -57.47 To 1706. %



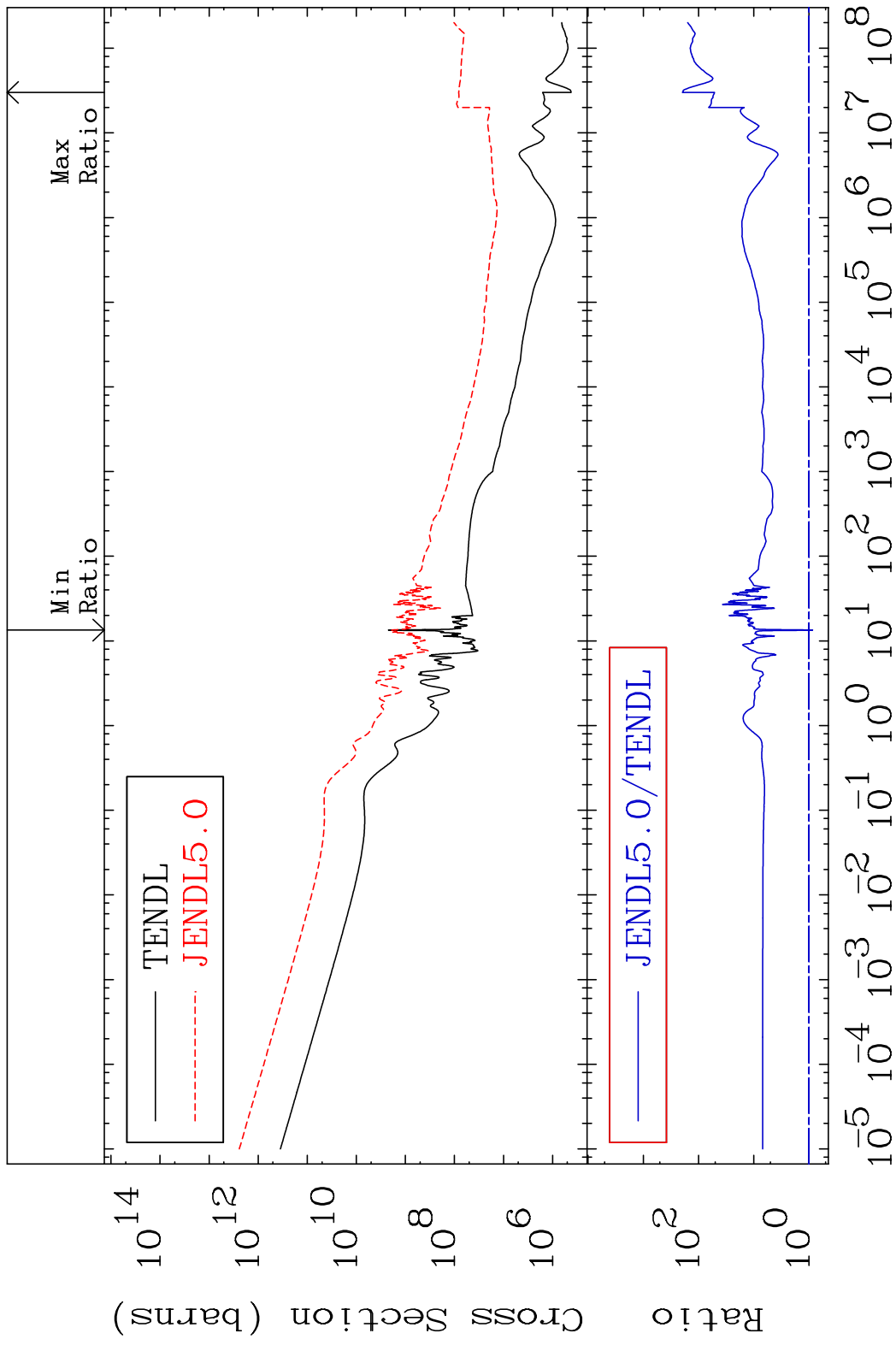
MAT 9547

Kerma capture (mt102) 95-Am-242m
Cross Section -100.0 To 193.0 %



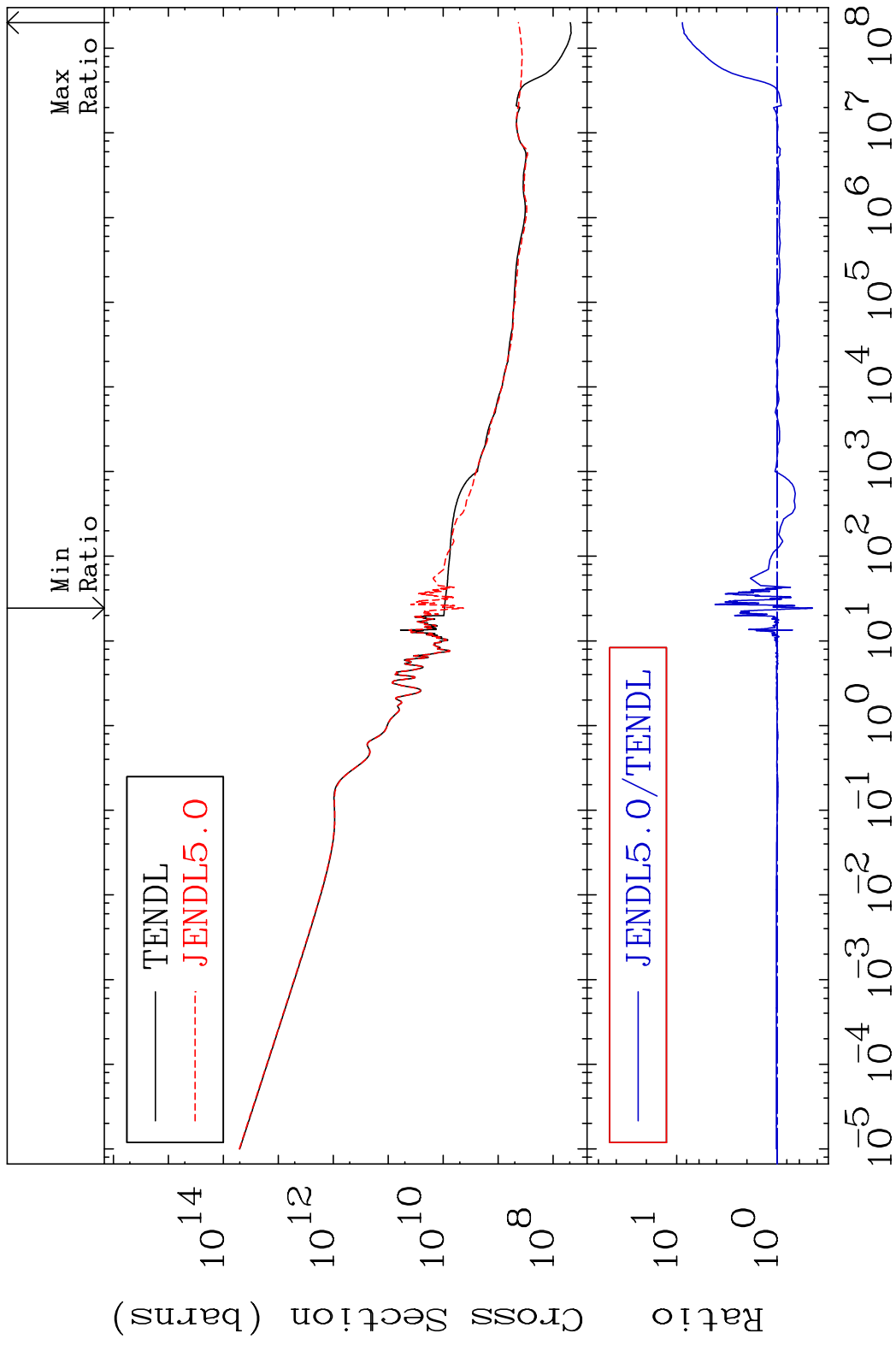
95-Am-242m

MAT 9547 Total photon (eV-barns) 95-Am-242m
 Cross Section -13.58 To 9999. %

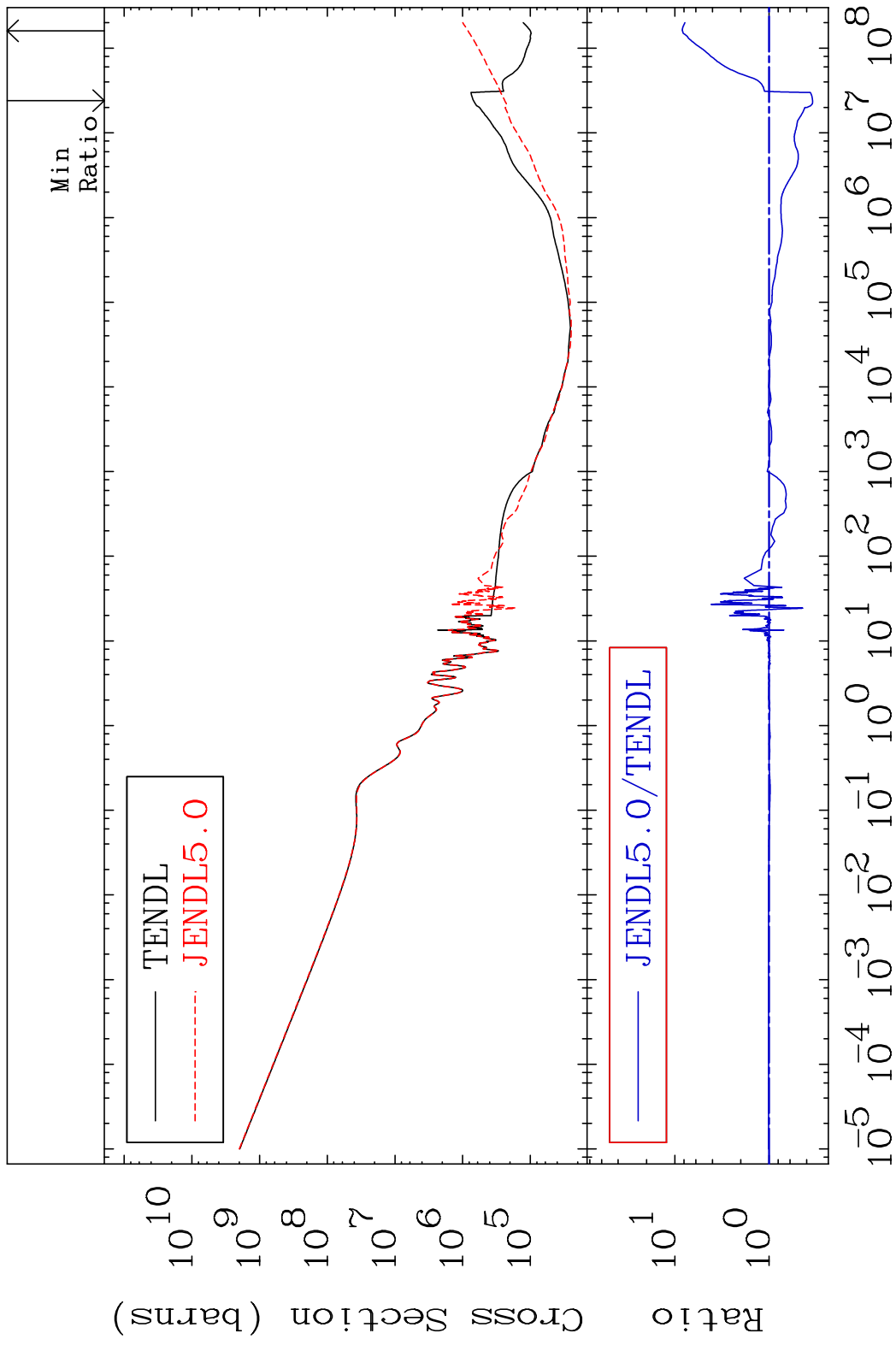


51 Incident Energy (eV) 95-Am-242m

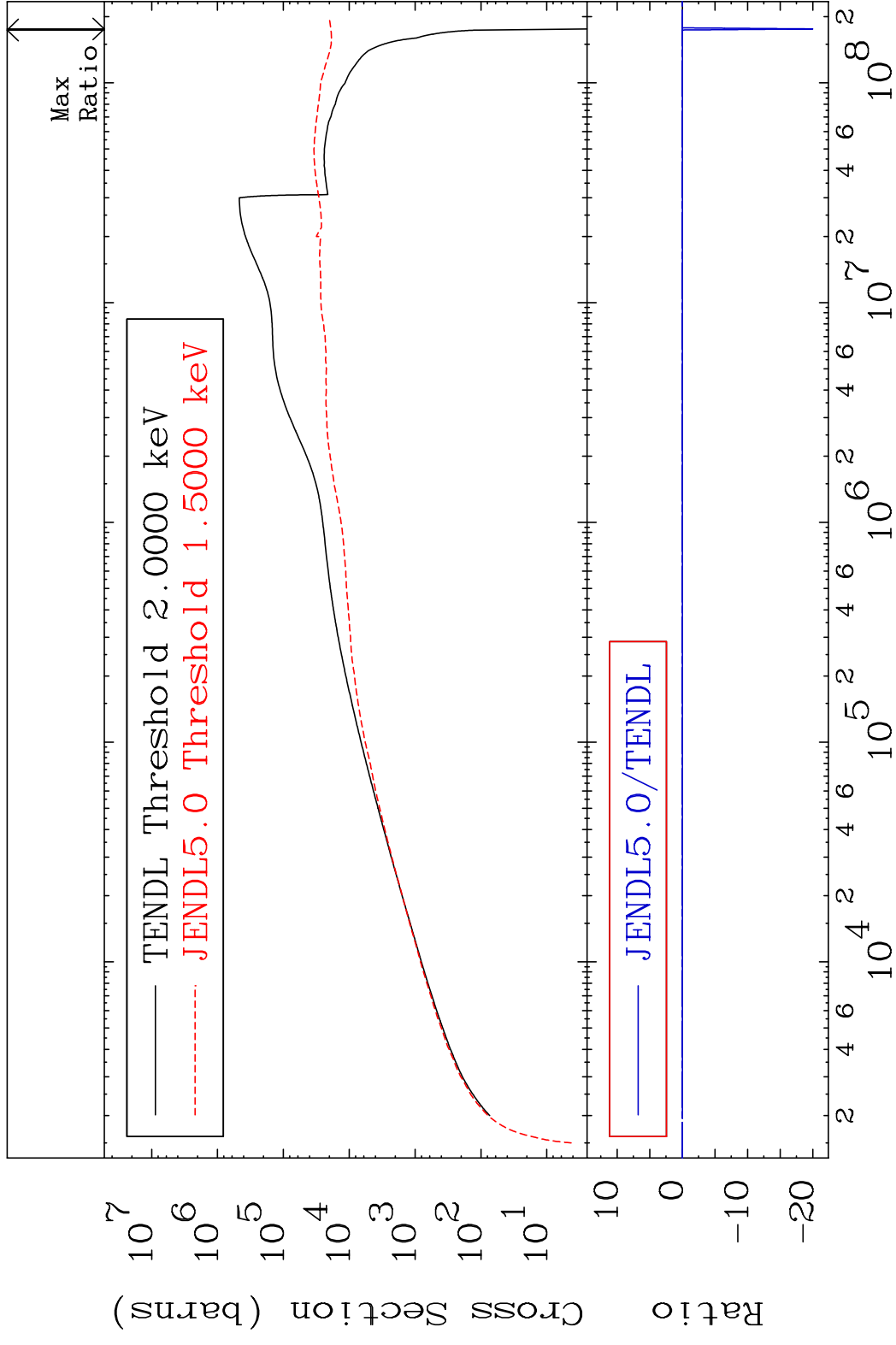
MAT 9547 Total kinematic kerma (high limit)95-Am-242m
 Cross Section -55.64 To 777.4 %



MAT 9547 Dpa total (eV-barns) 95-Am-242m
 Cross Section -65.40 To 733.3 %

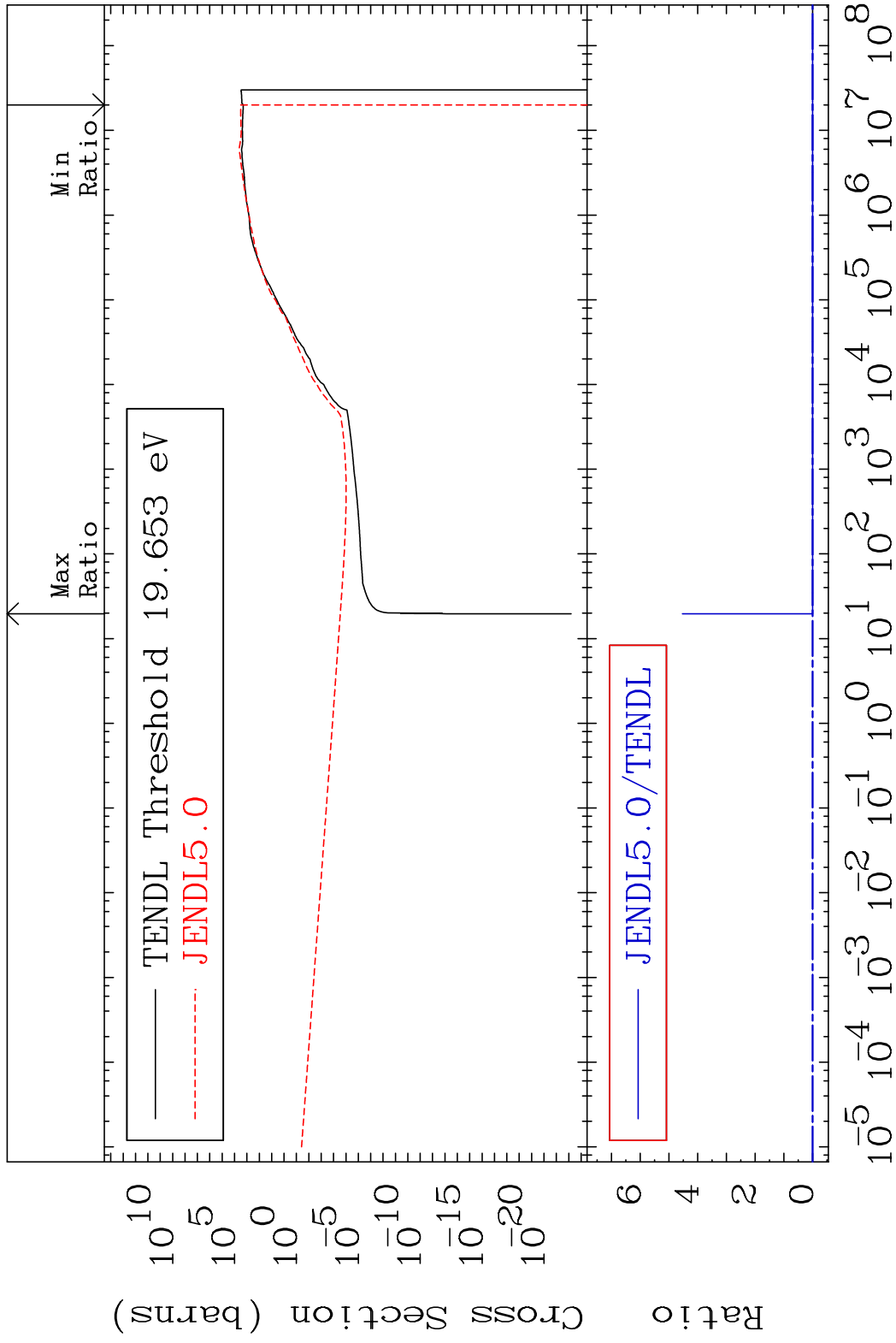


MAT 9547 Dpa elastic (mt2) 95-Am-242m
 Cross Section -9999. To 9999. %



MAT 9547

Dpa inelastic (mt51-91) 95-Am-242m
Cross Section -100.0 To 9999. %



55

Incident Energy (eV) 95-Am-242m

MAT 9547 Dpa disappearance (mt102 -120) 95-Am-242m
 Cross Section -100.0 To 340.7 %

