

Program Complot
(Version 2021-1)

by

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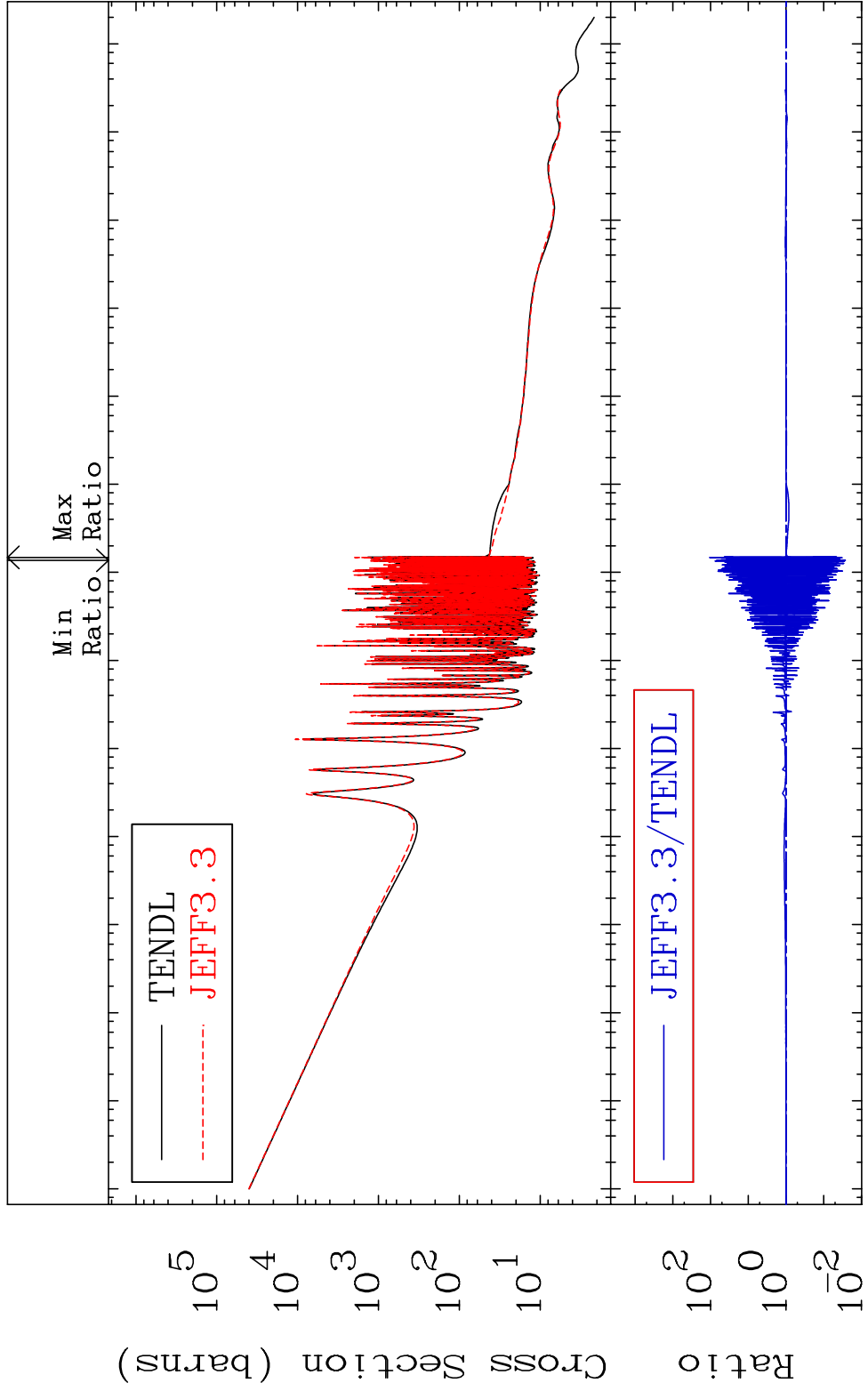
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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9543

Total Cross Section -97.30 To 9999. % 95-Am-241



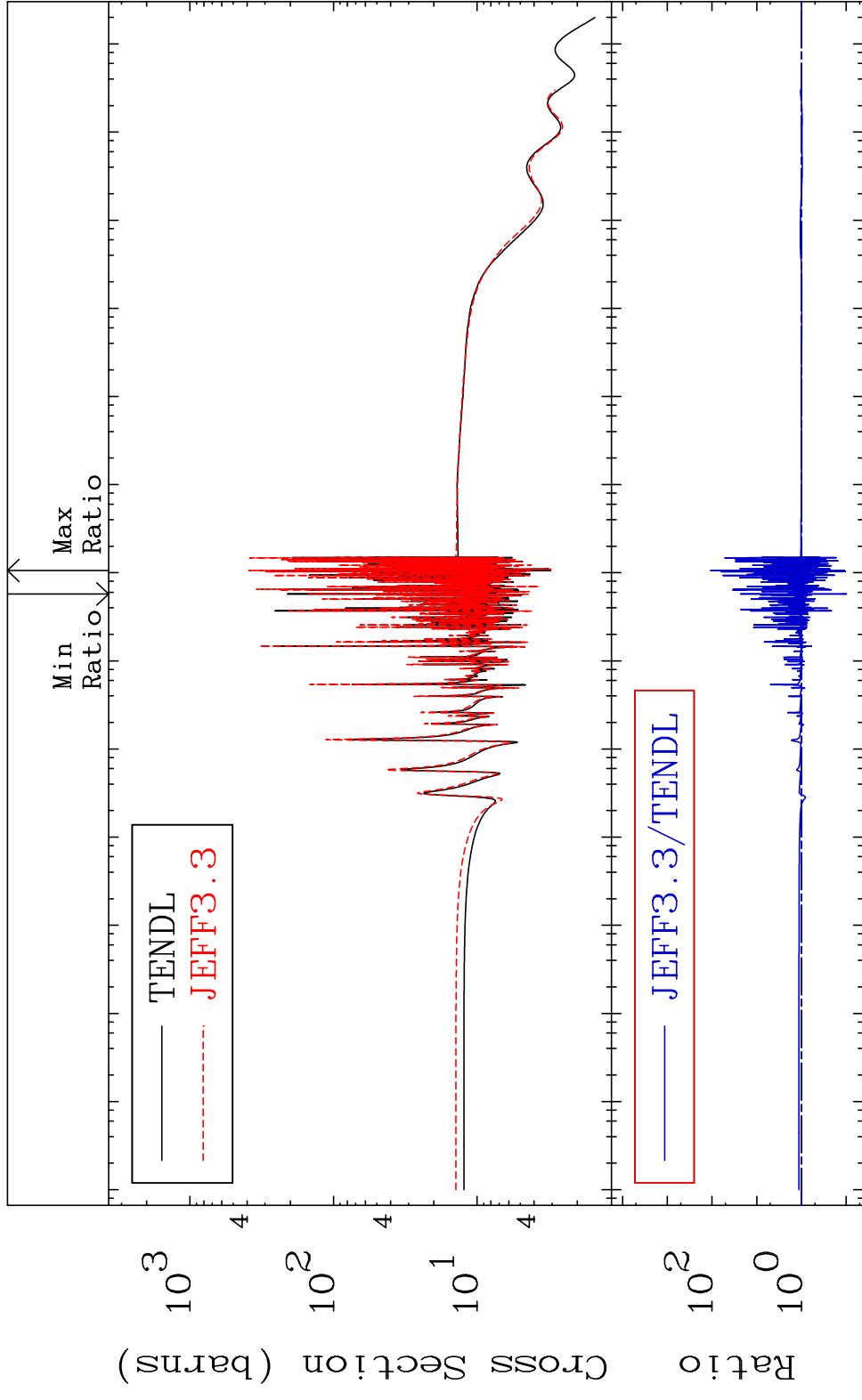
1

Incident Energy (eV)

95-Am-241

MAT 9543

Elastic Cross Section -90.06 To 9999. %
95-Am-241



2

Incident Energy (eV)

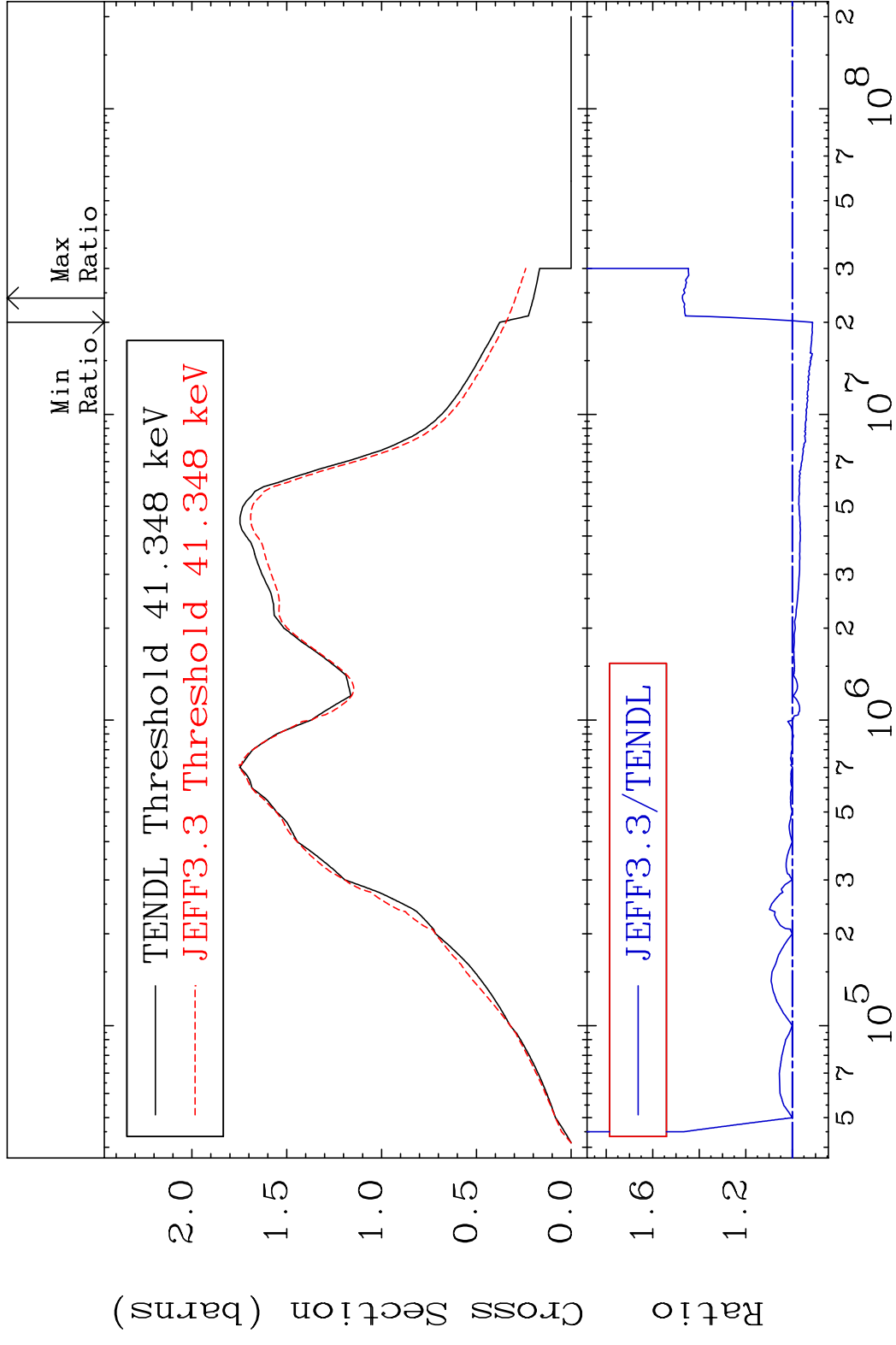
95-Am-241

MAT 9543

Inelastic

95-Am-241

Cross Section -8.680 To 47.30 %



3

Incident Energy (eV)

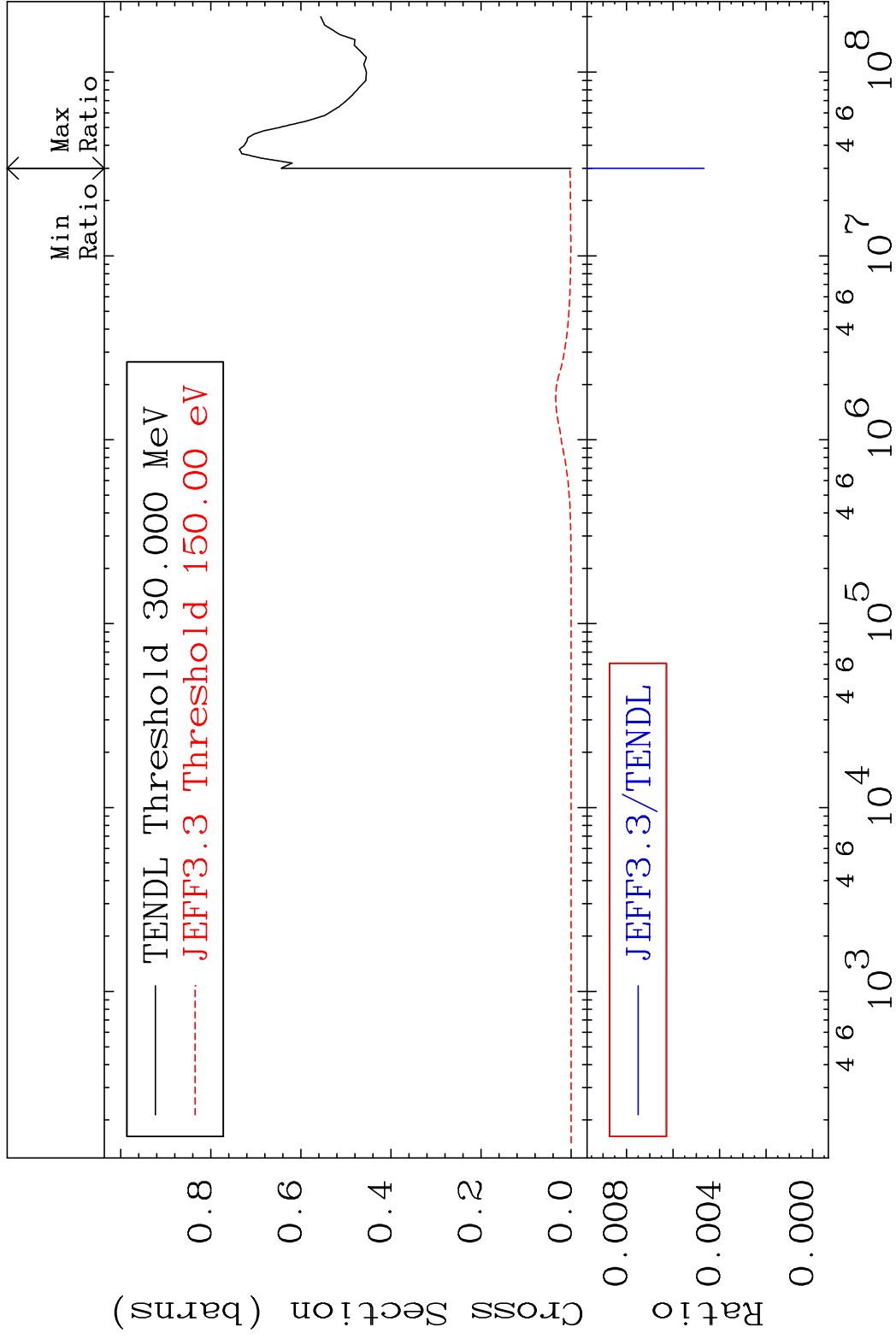
95-Am-241

MAT 9543

(n, remainder)

95-Am-241

Cross Section -99.53 To -99.53%



4

Incident Energy (eV)

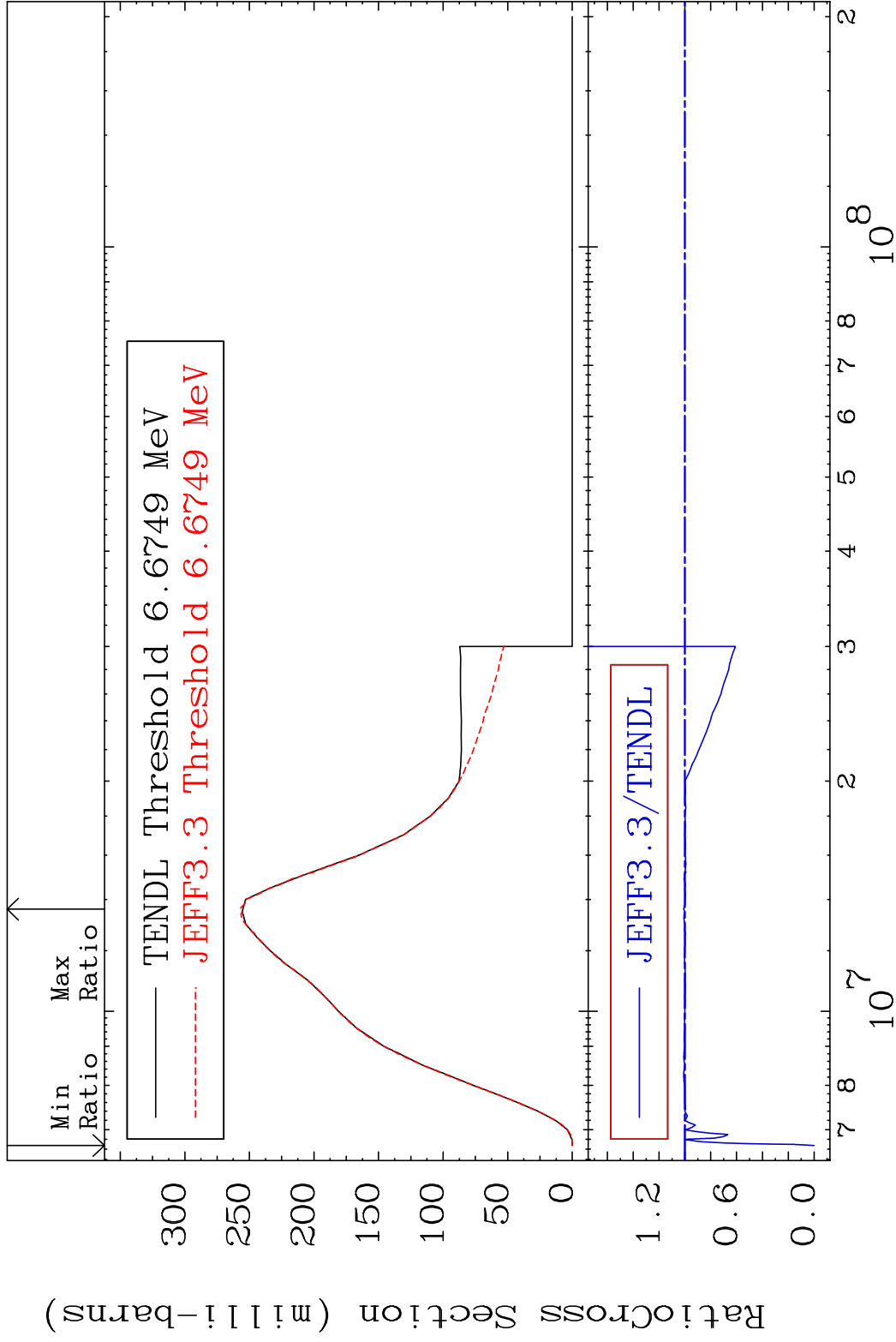
95-Am-241

MAT 9543

(n,2n)

95-Am-241

Cross Section -100.0 To 0.961 %



5

Incident Energy (eV)

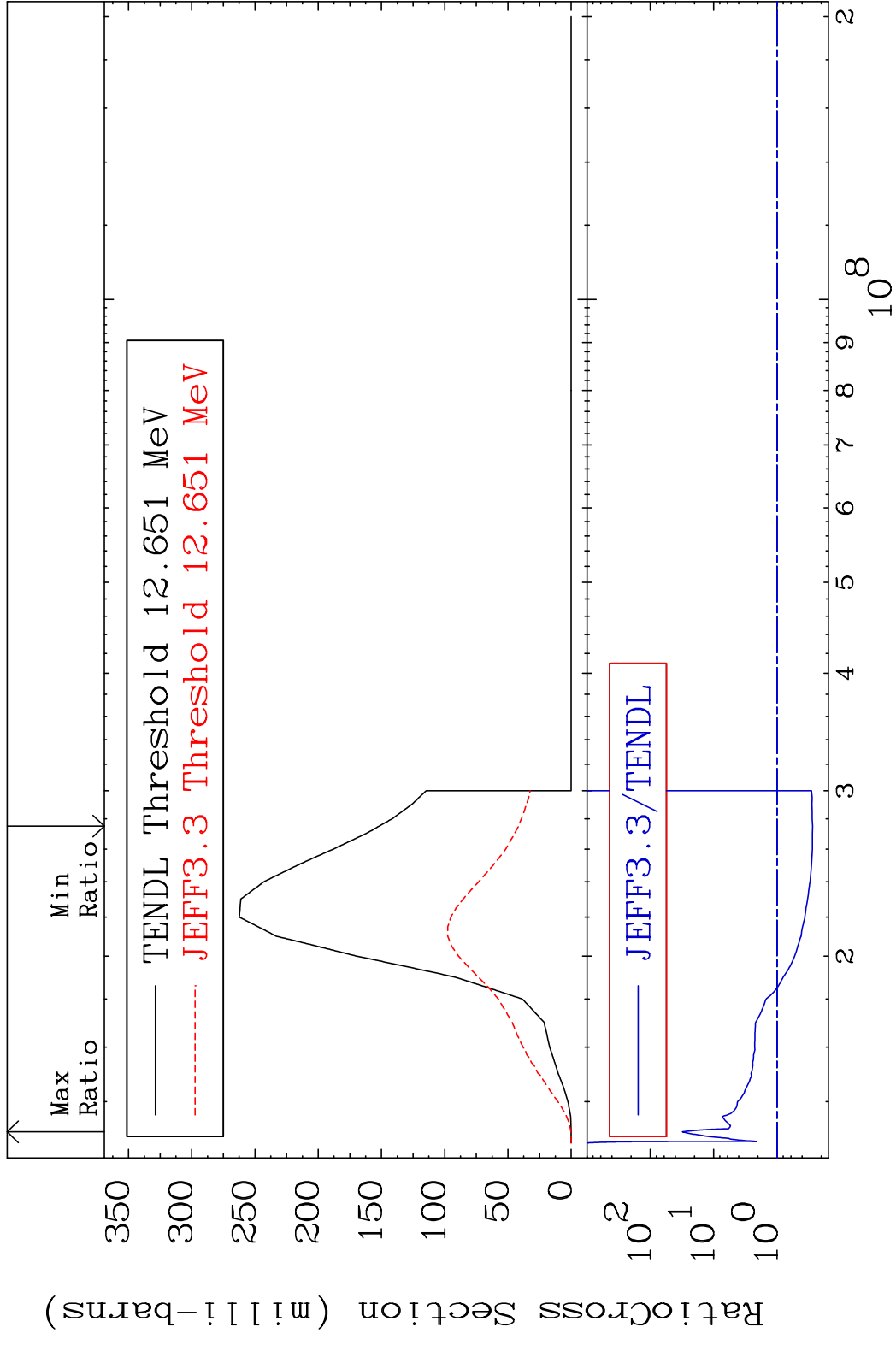
95-Am-241

MAT 9543

(n,3n)

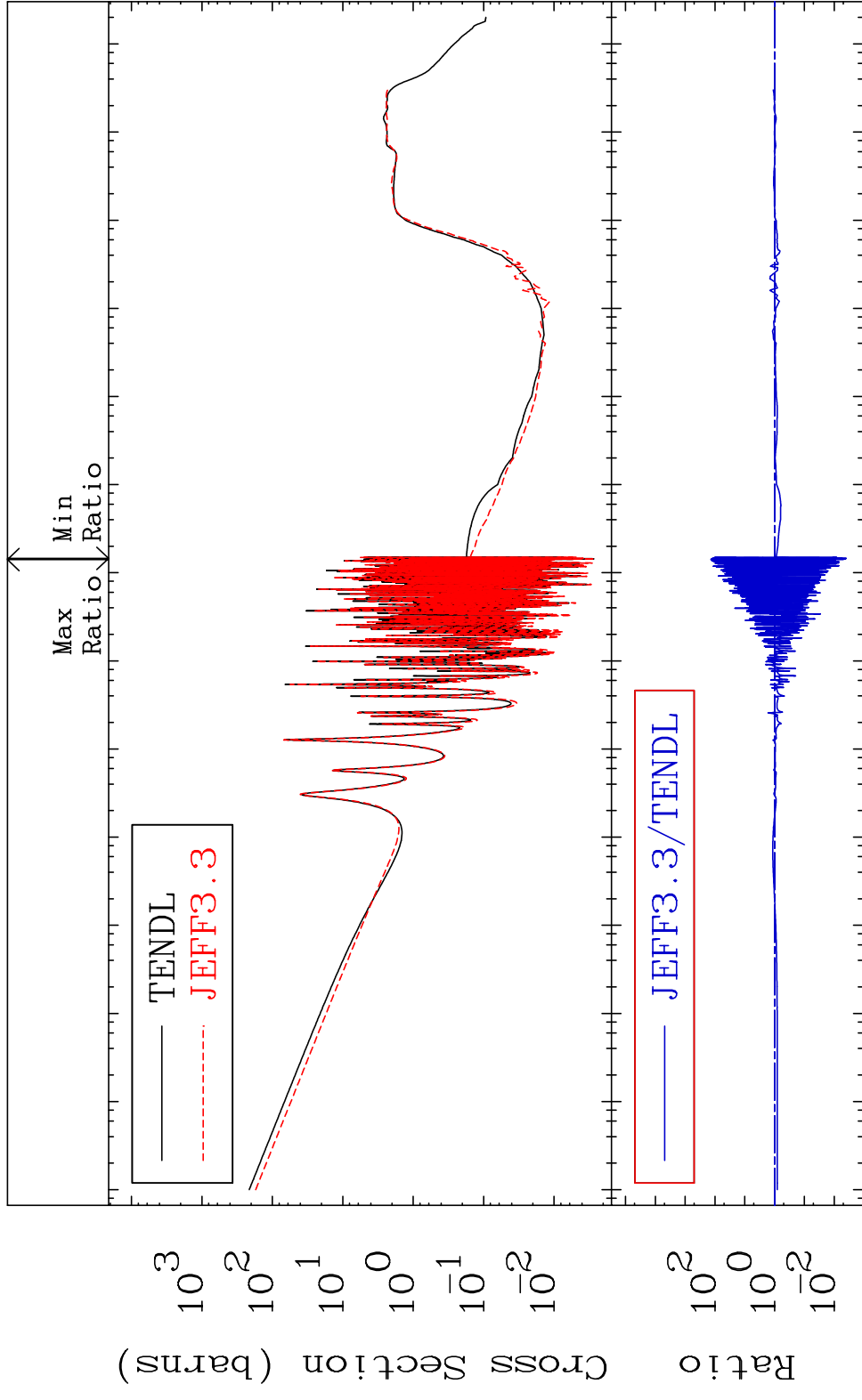
95-Am-241

Cross Section -72.59 To 3005. %



MAT 9543

Fission Cross Section -99.61 To 9999. %
95-Am-241



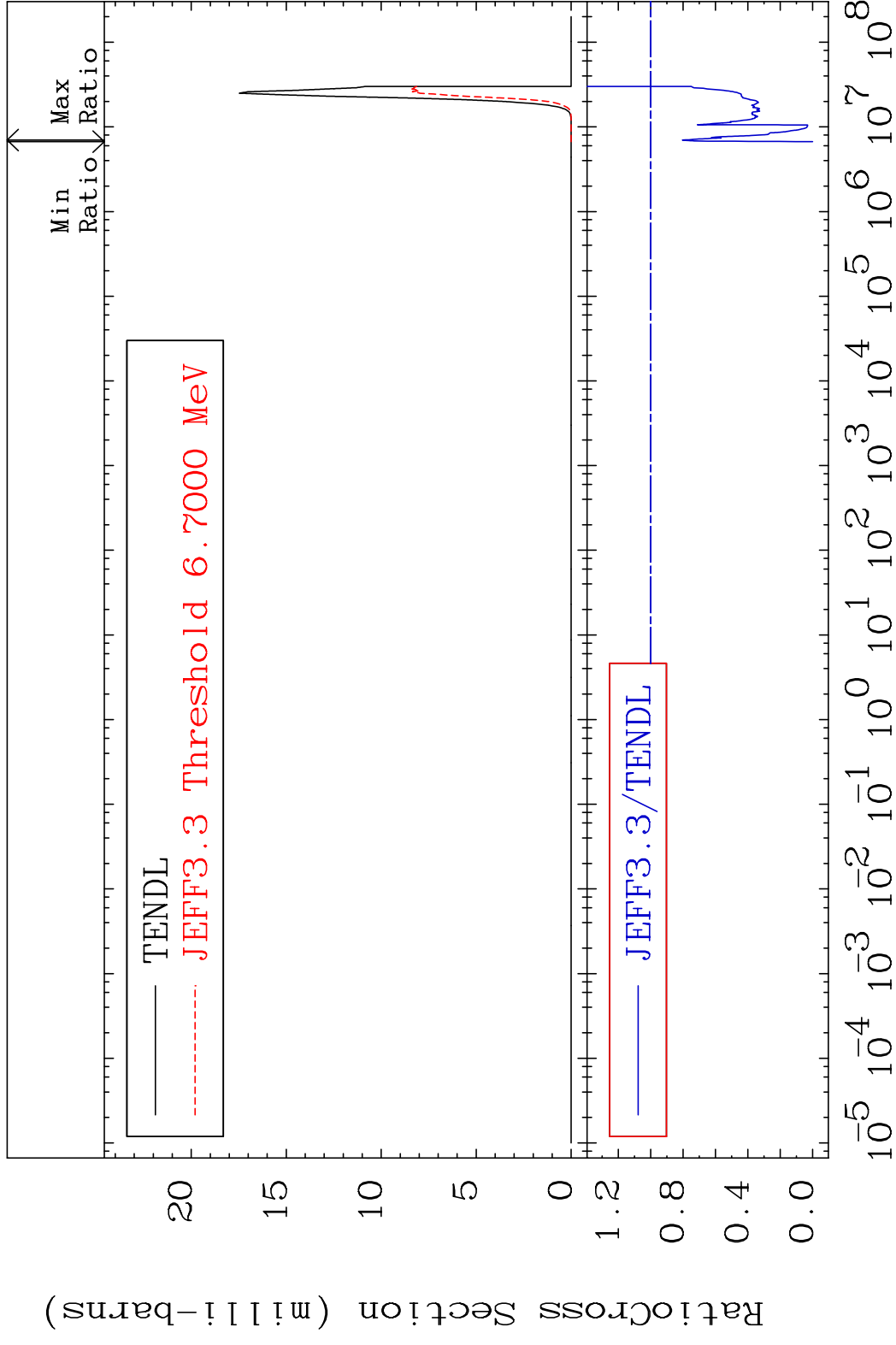
7 Incident Energy (eV) 95-Am-241

MAT 9543

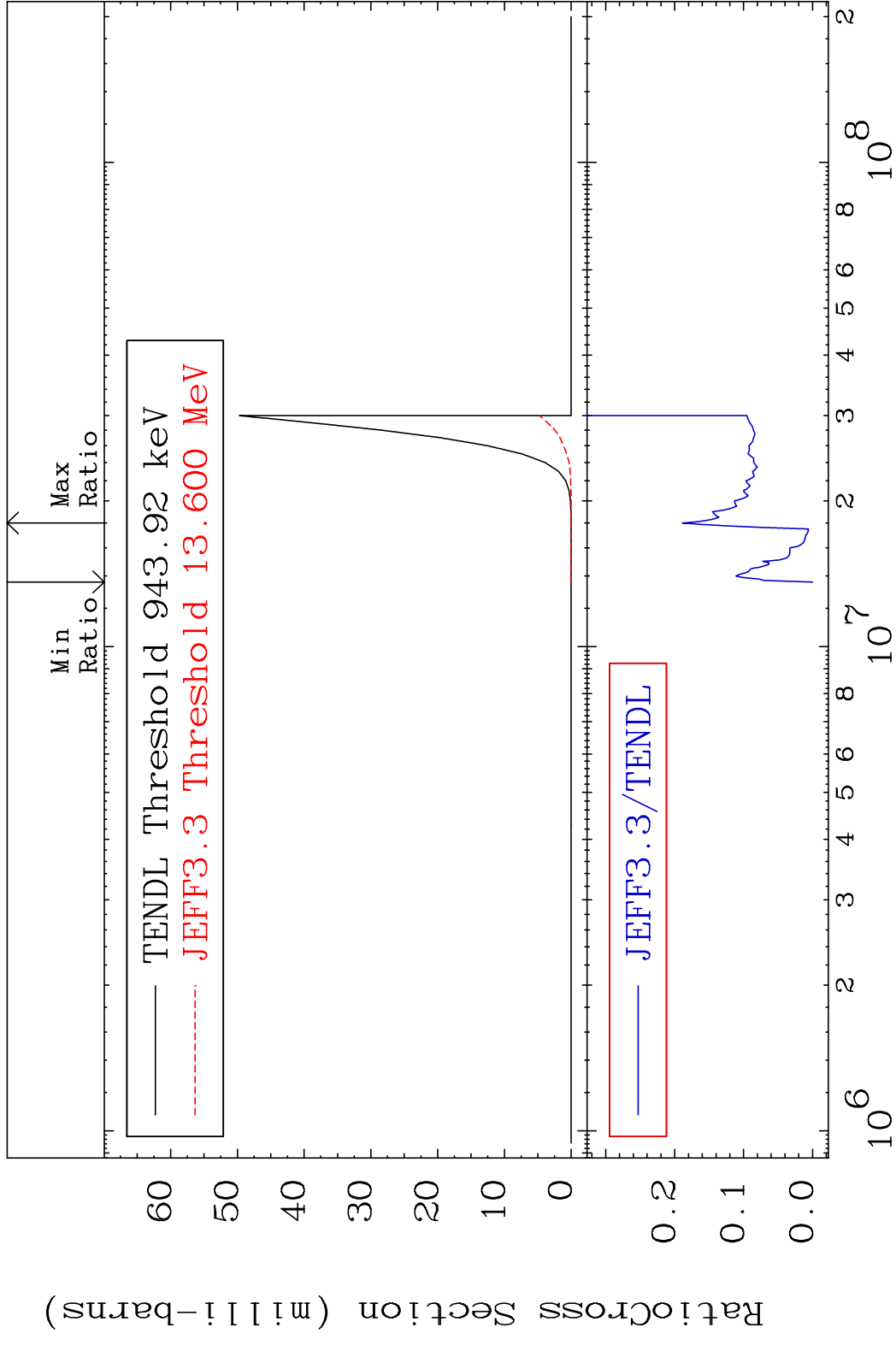
(n, n') α

95-Am-241

Cross Section -100.0 To -19.55%

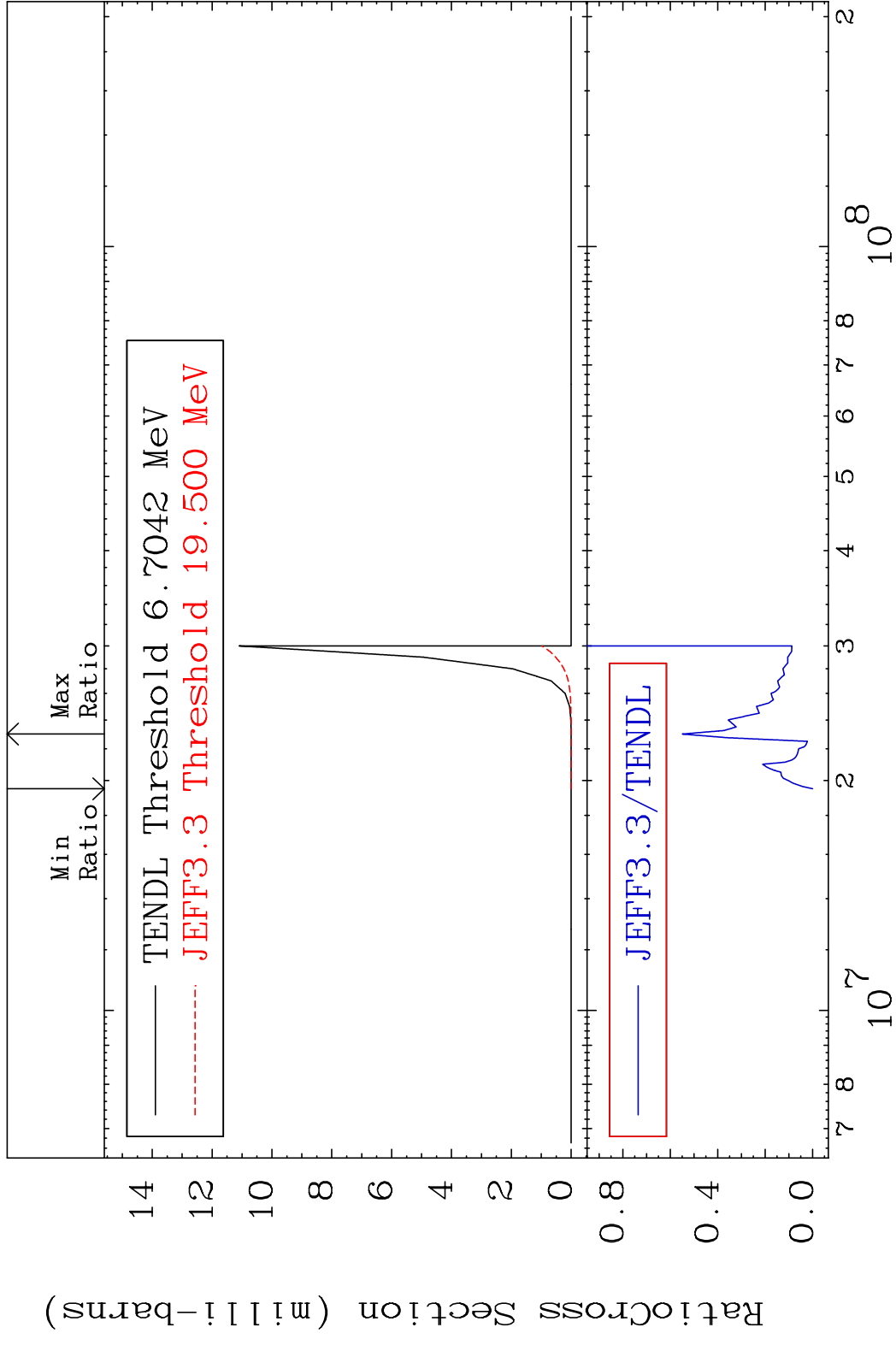


MAT 9543 (n,2n) α 95-Am-241
 Cross Section -100.0 To -81.12%



9 Incident Energy (eV) 95-Am-241

MAT 9543 (n,3n) α 95-Am-241
 Cross Section -100.0 To -45.07%



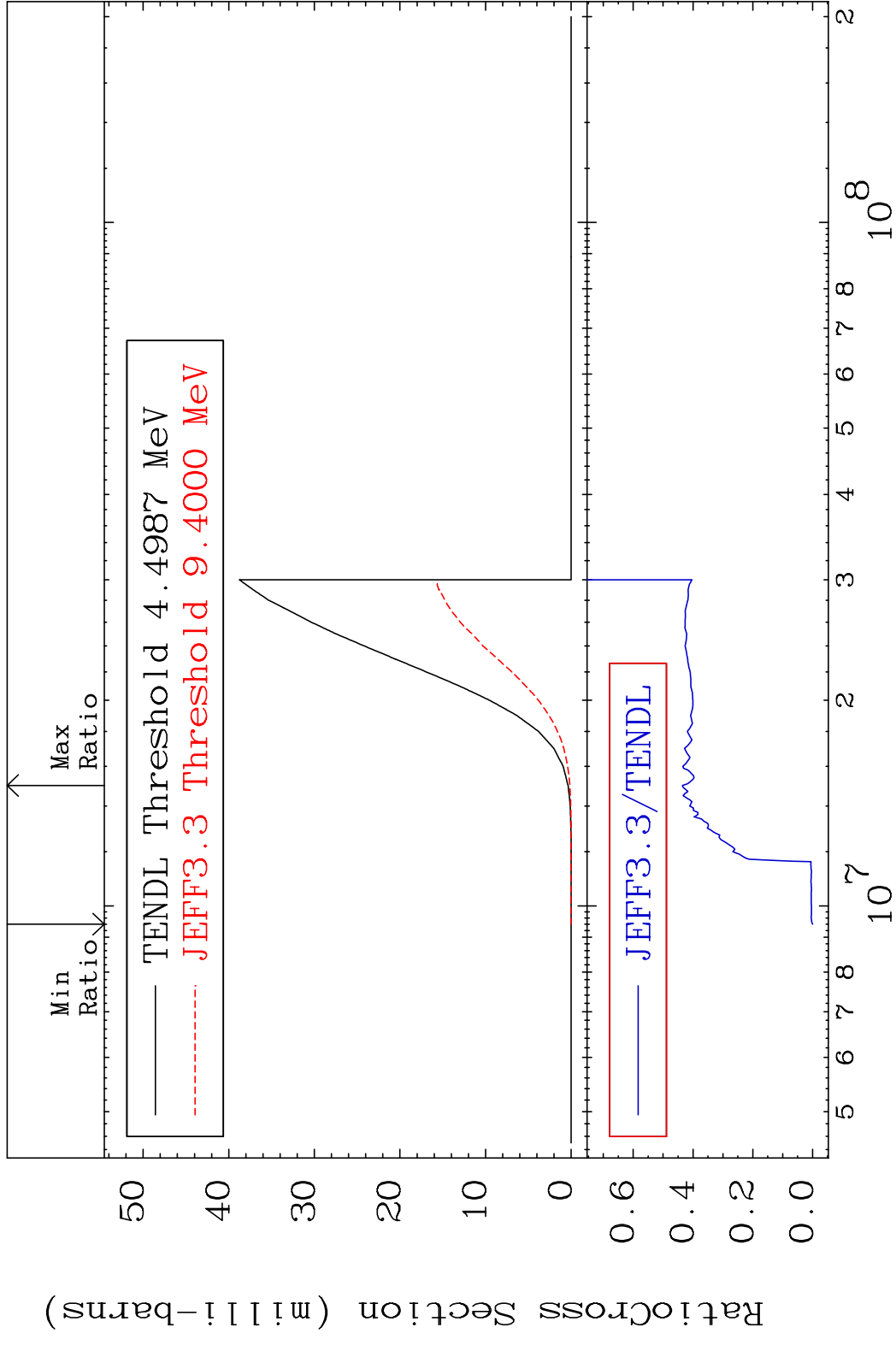
10 Incident Energy (eV) 95-Am-241

MAT 9543

(n, n') p

95-Am-241

Cross Section -100.0 To -56.44%

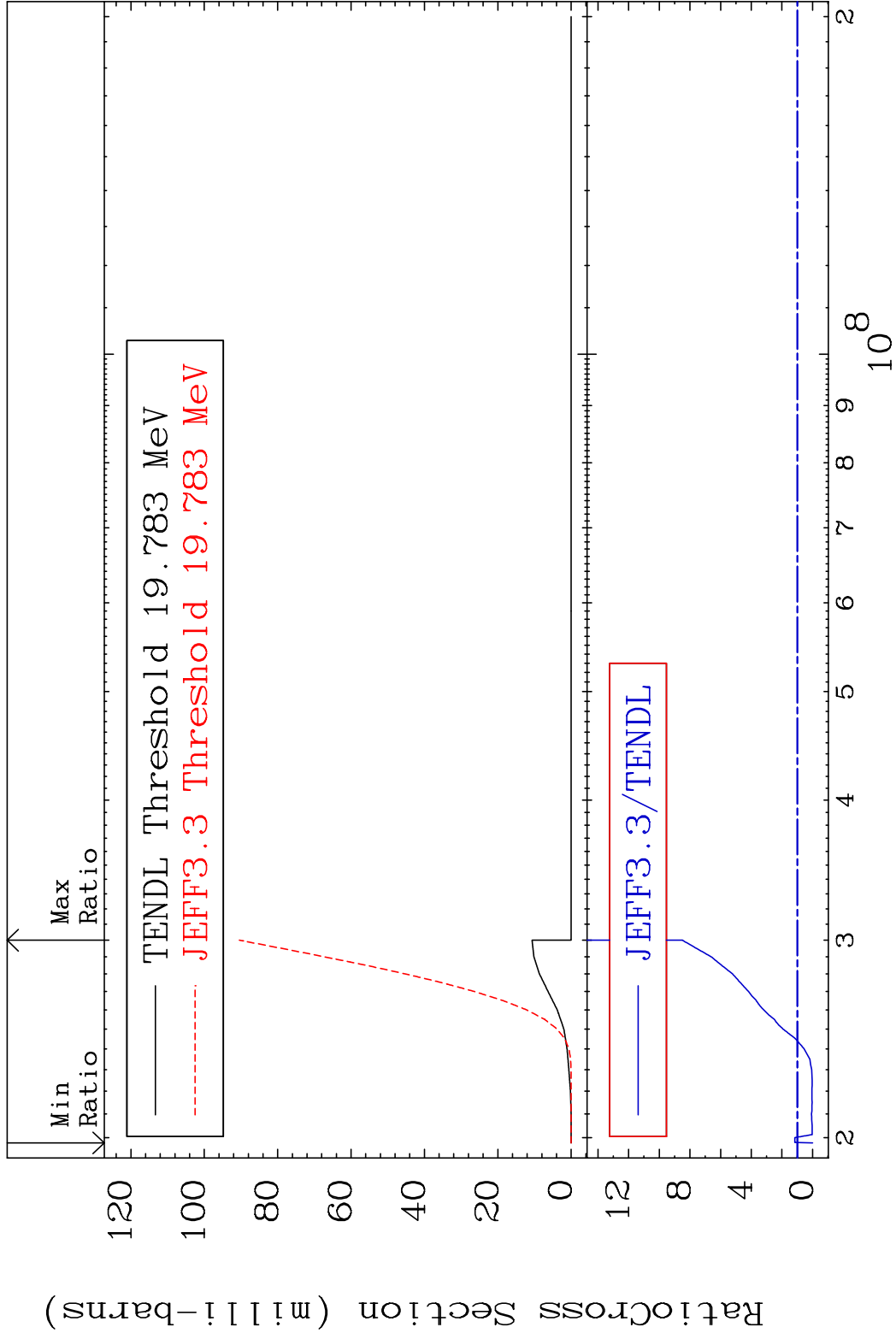


MAT 9543

(n, 4n)

95-Am-241

Cross Section -100.0 To 749.5 %



12

Incident Energy (eV)

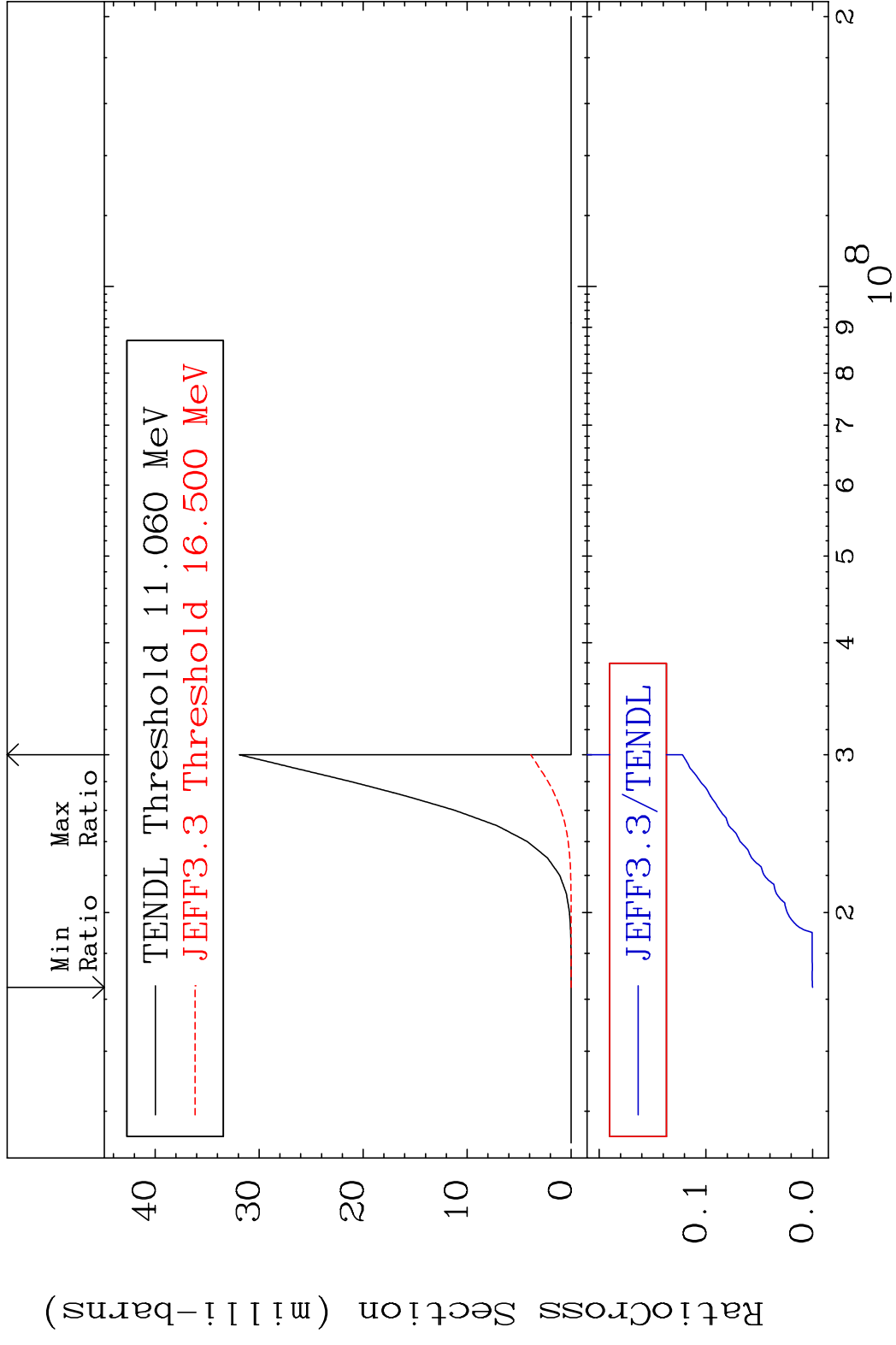
95-Am-241

MAT 9543

(n,2n) p

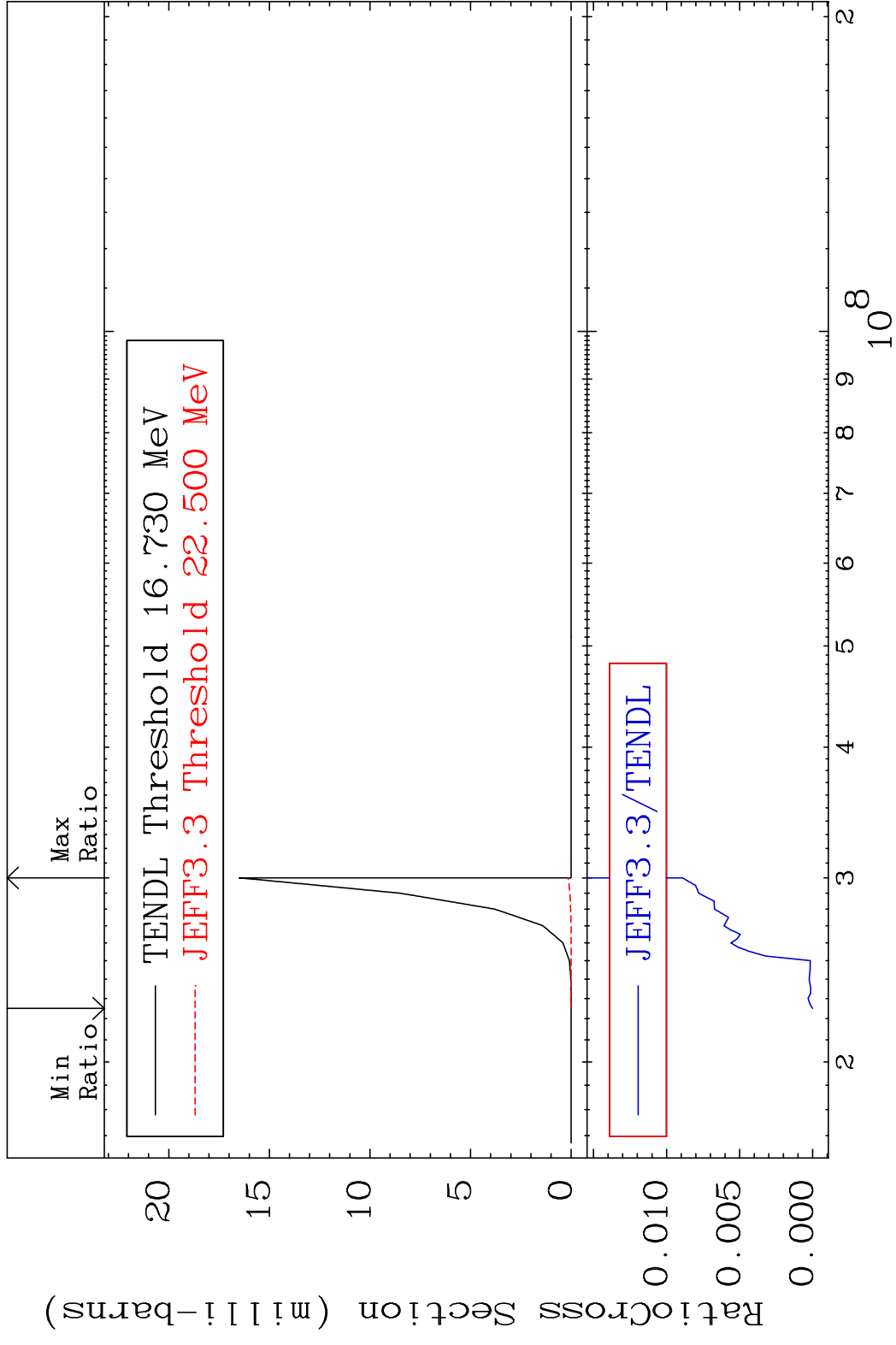
95-Am-241

Cross Section -100.0 To -87.79%

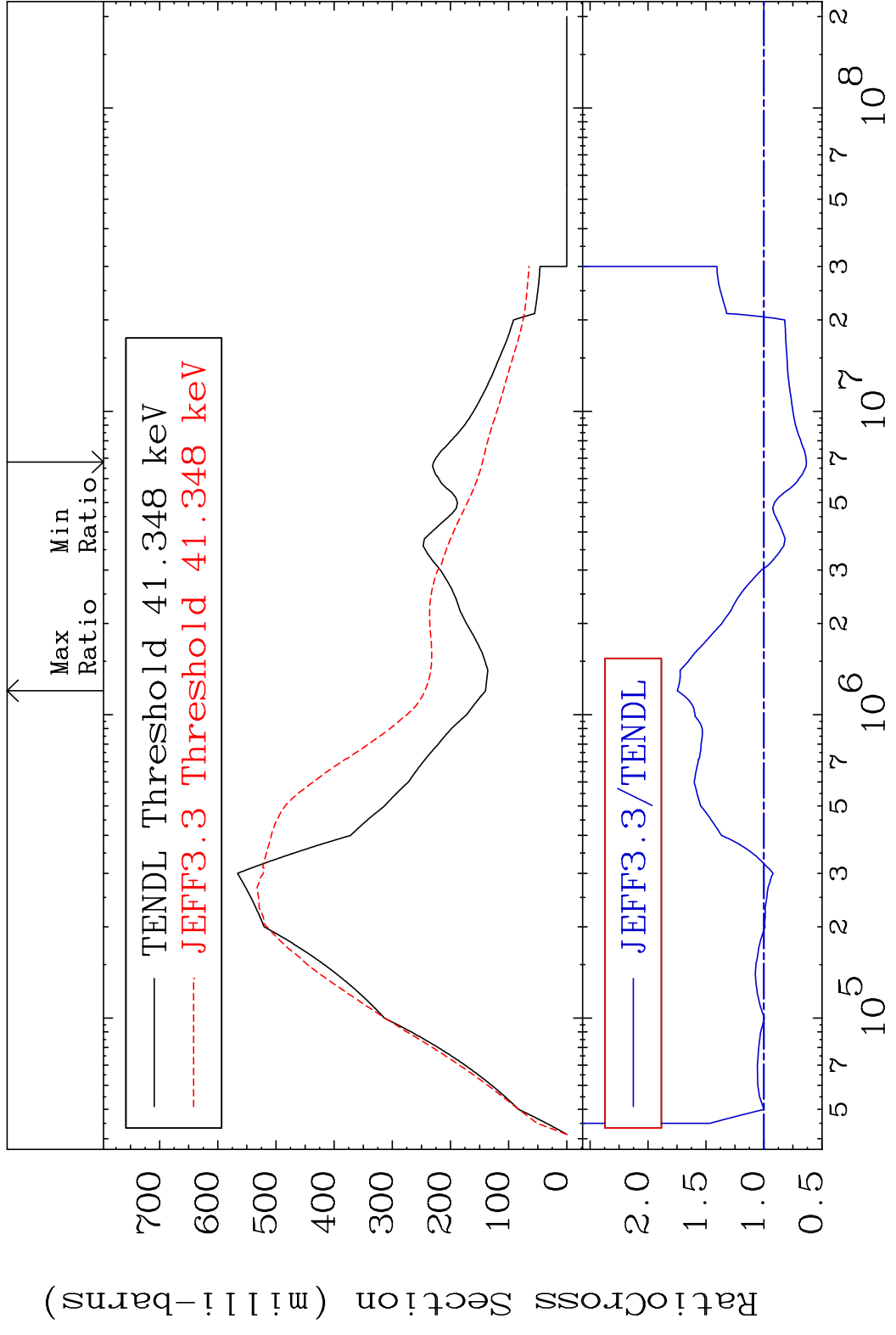


MAT 9543

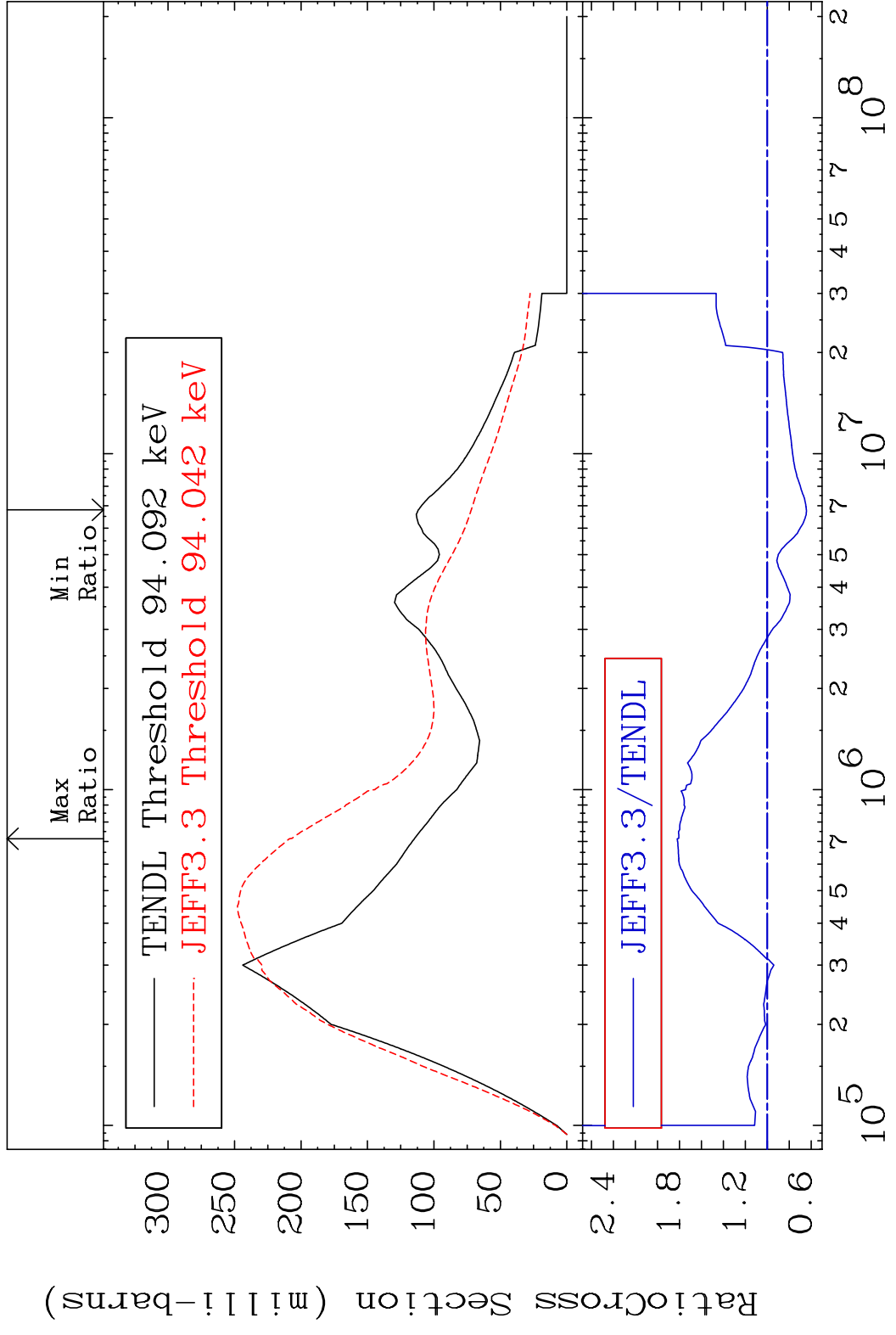
(n,3n) p 95-Am-241
Cross Section -100.0 To -99.11%



MAT 9543 MT= 51 (n, n') Level 95-Am-241
 Cross Section -36.64 To 74.83 %

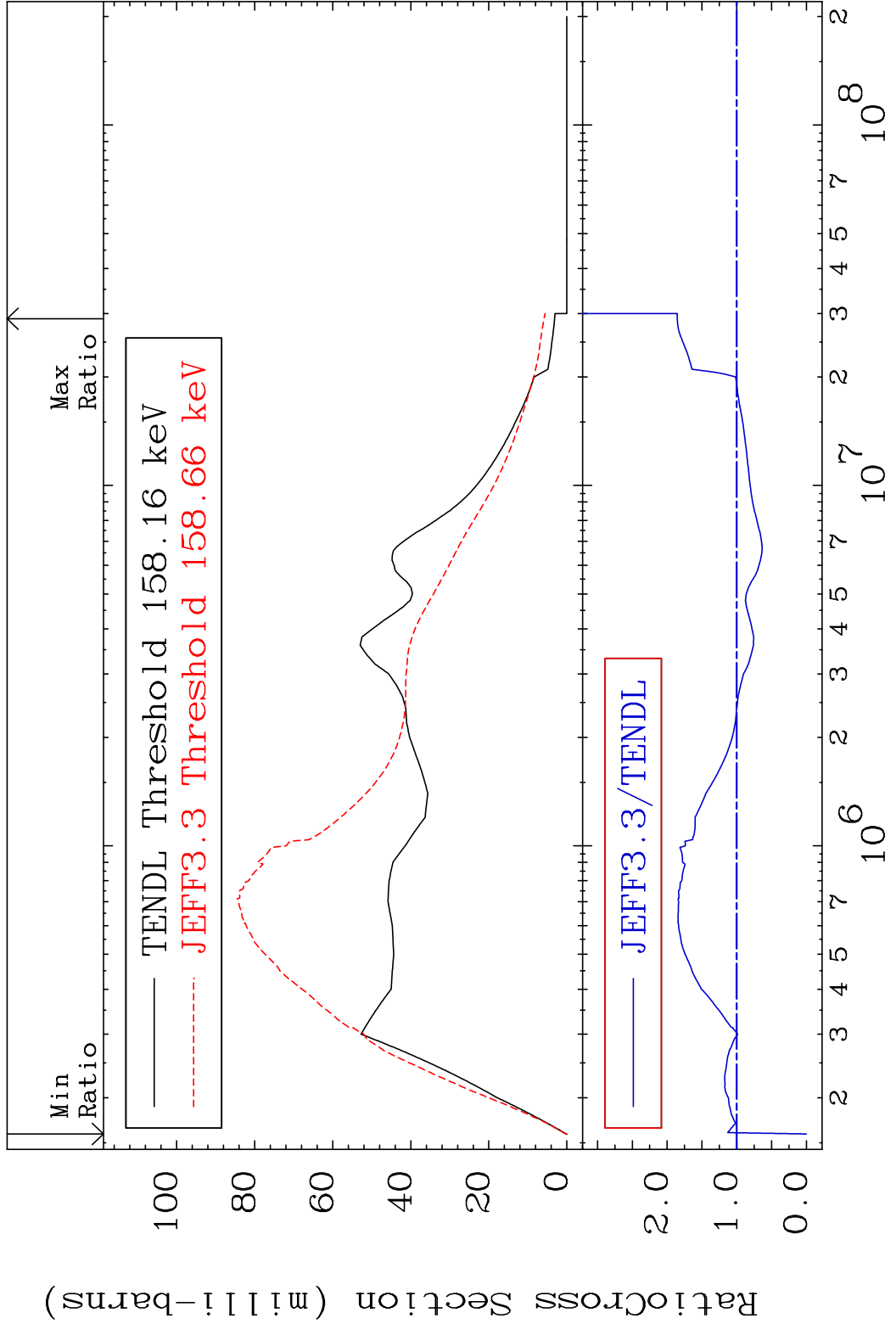


MAT 9543 MT= 52 (n, n') Level 95-Am-241
 Cross Section -35.61 To 82.02 %

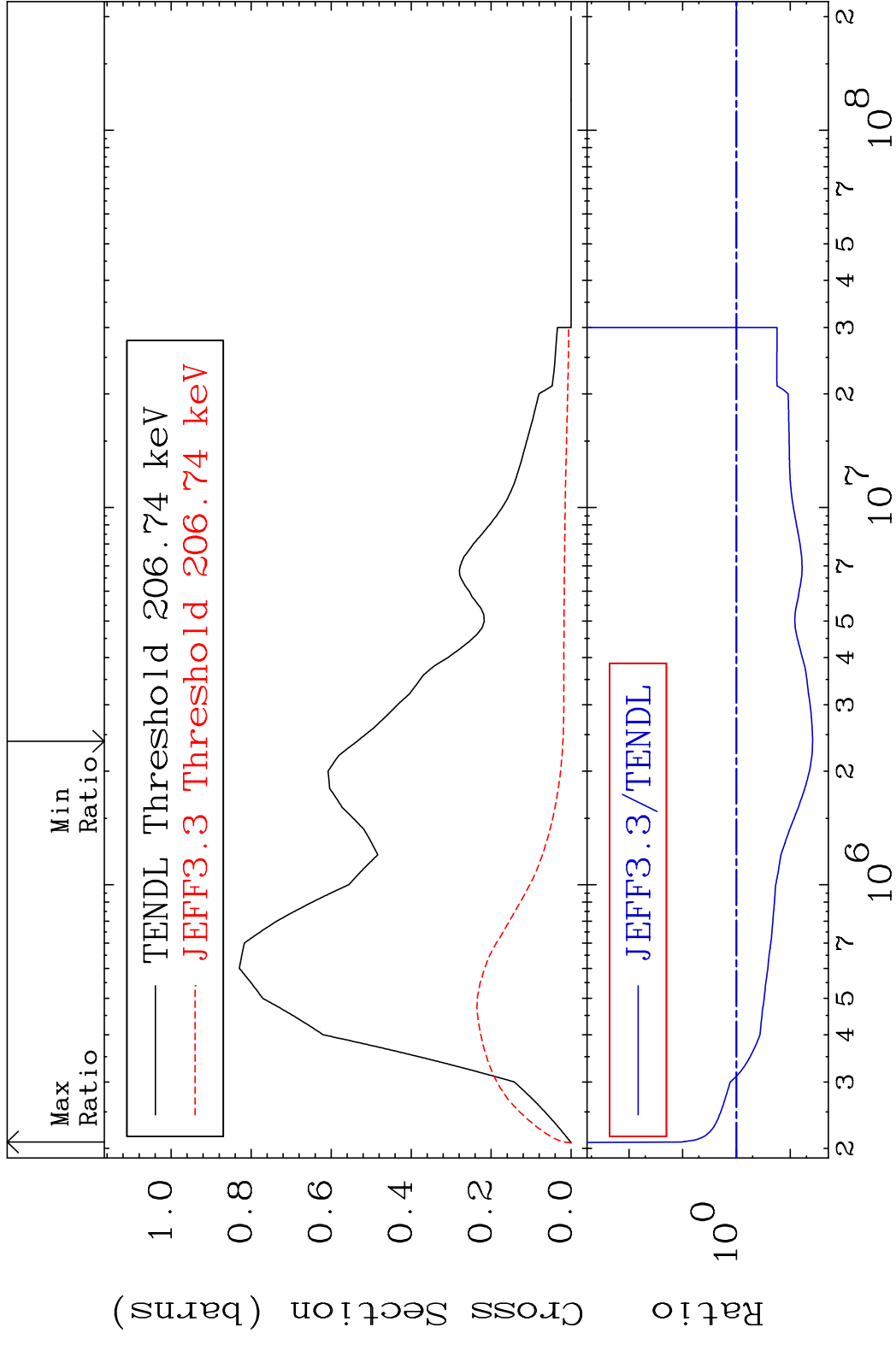


16 Incident Energy (eV) 95-Am-241

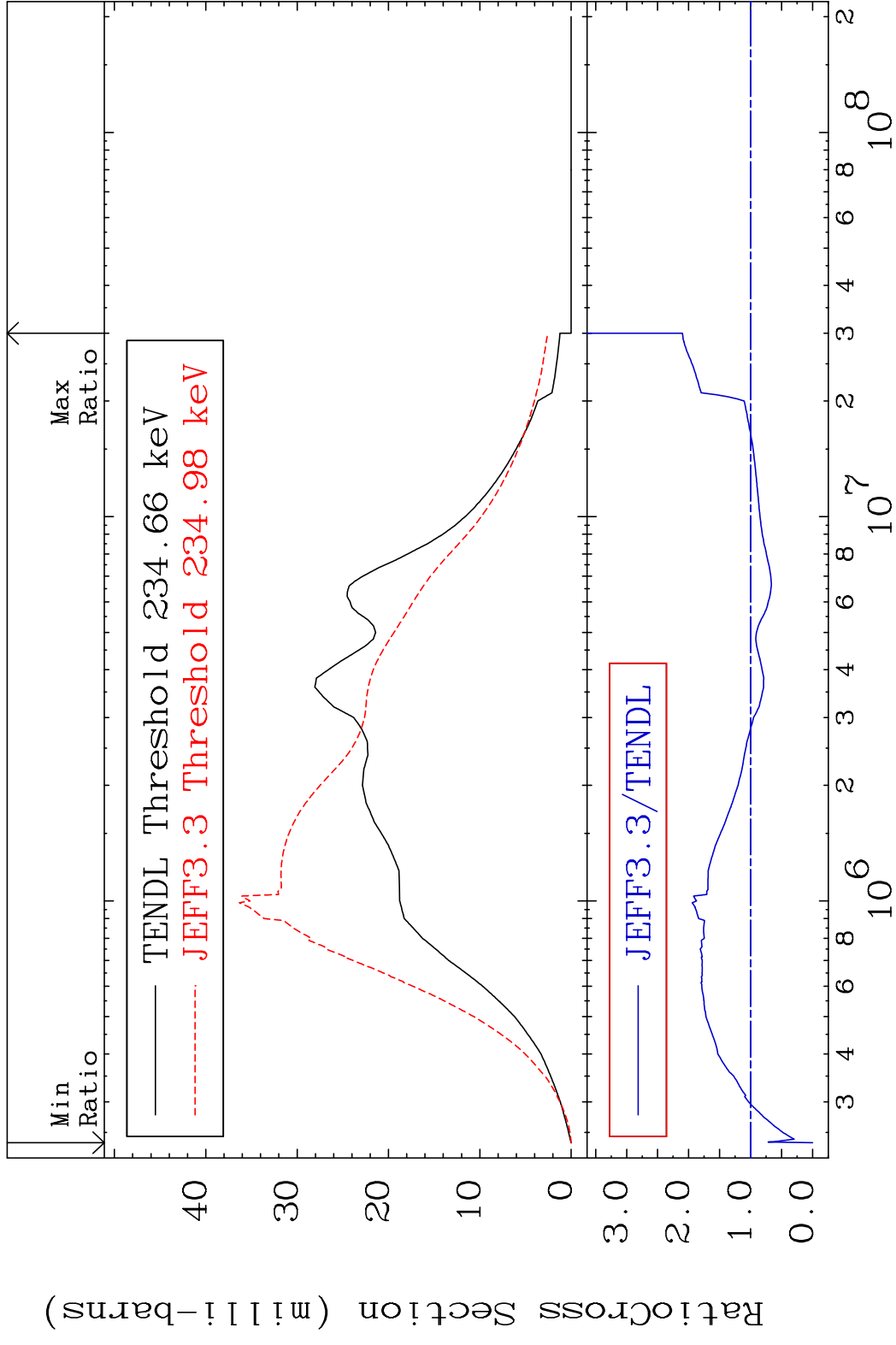
MAT 9543 MT= 53 (n, n') Level 95-Am-241
 Cross Section -100.0 To 85.56 %



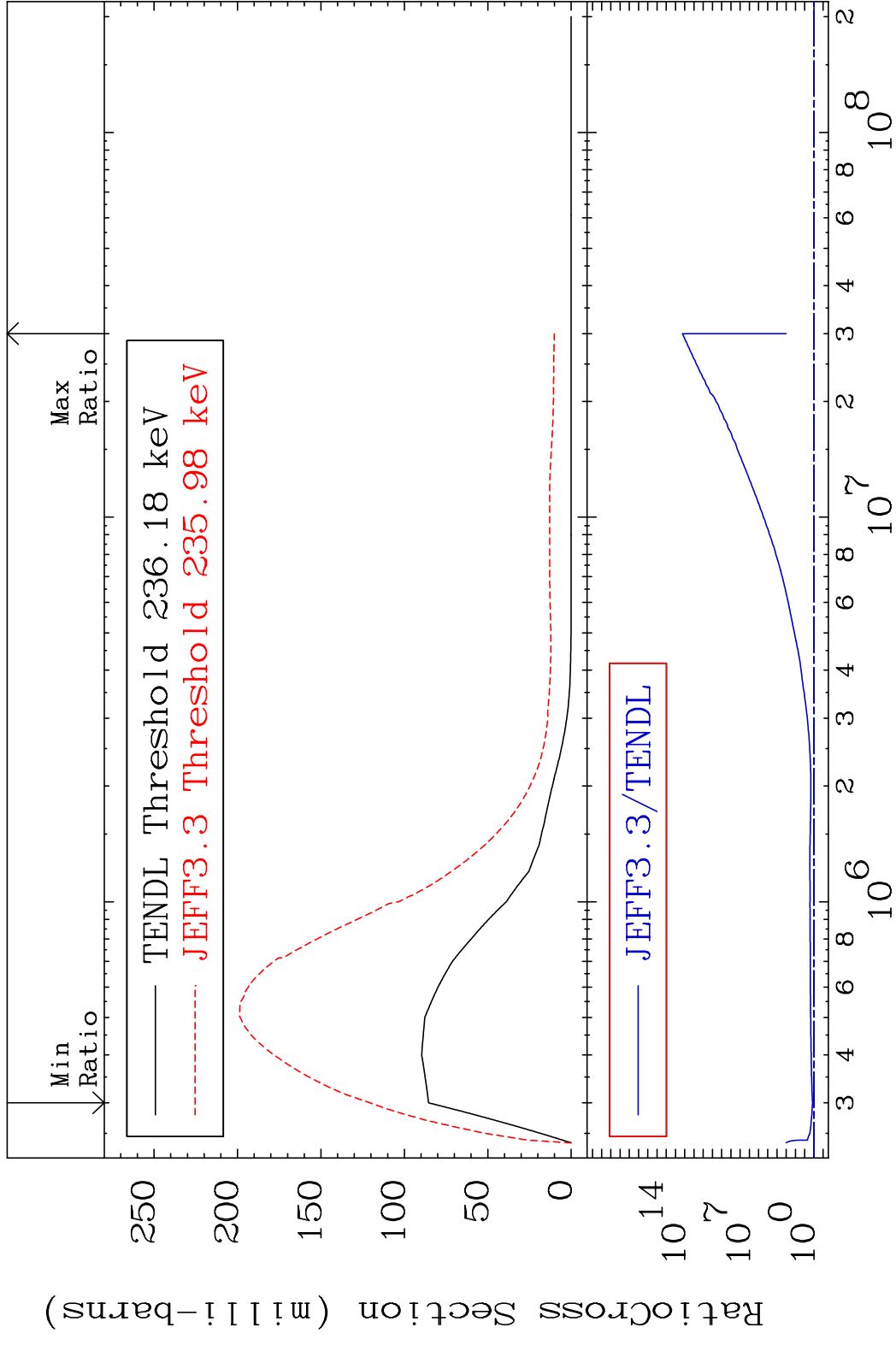
MAT 9543 MT= 54 (n, n') Level 95-Am-241
 Cross Section -96.16 To 915.7 %



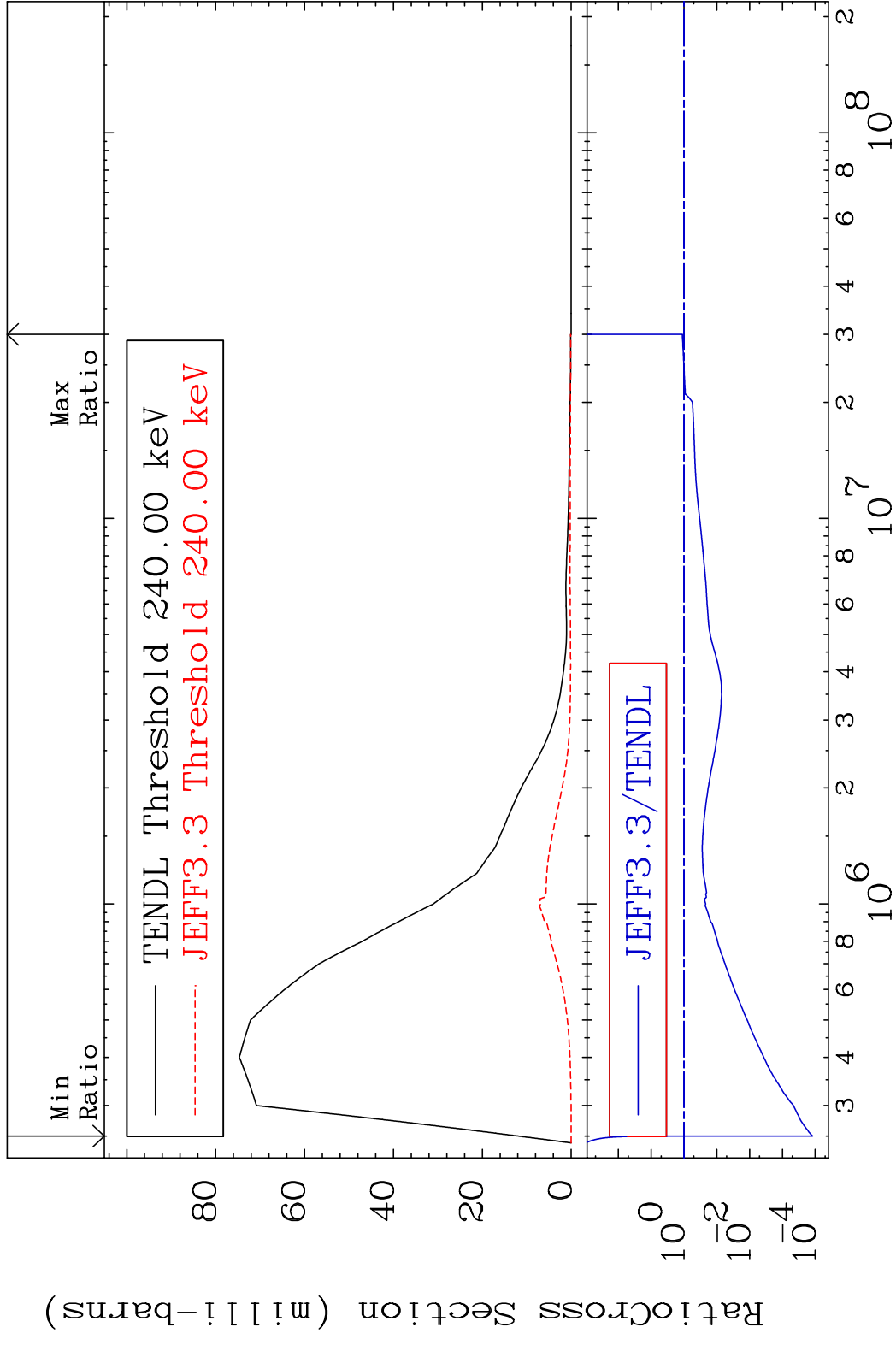
MAT 9543 MT= 55 (n, n') Level 95-Am-241
 Cross Section -100.0 To 110.1 %



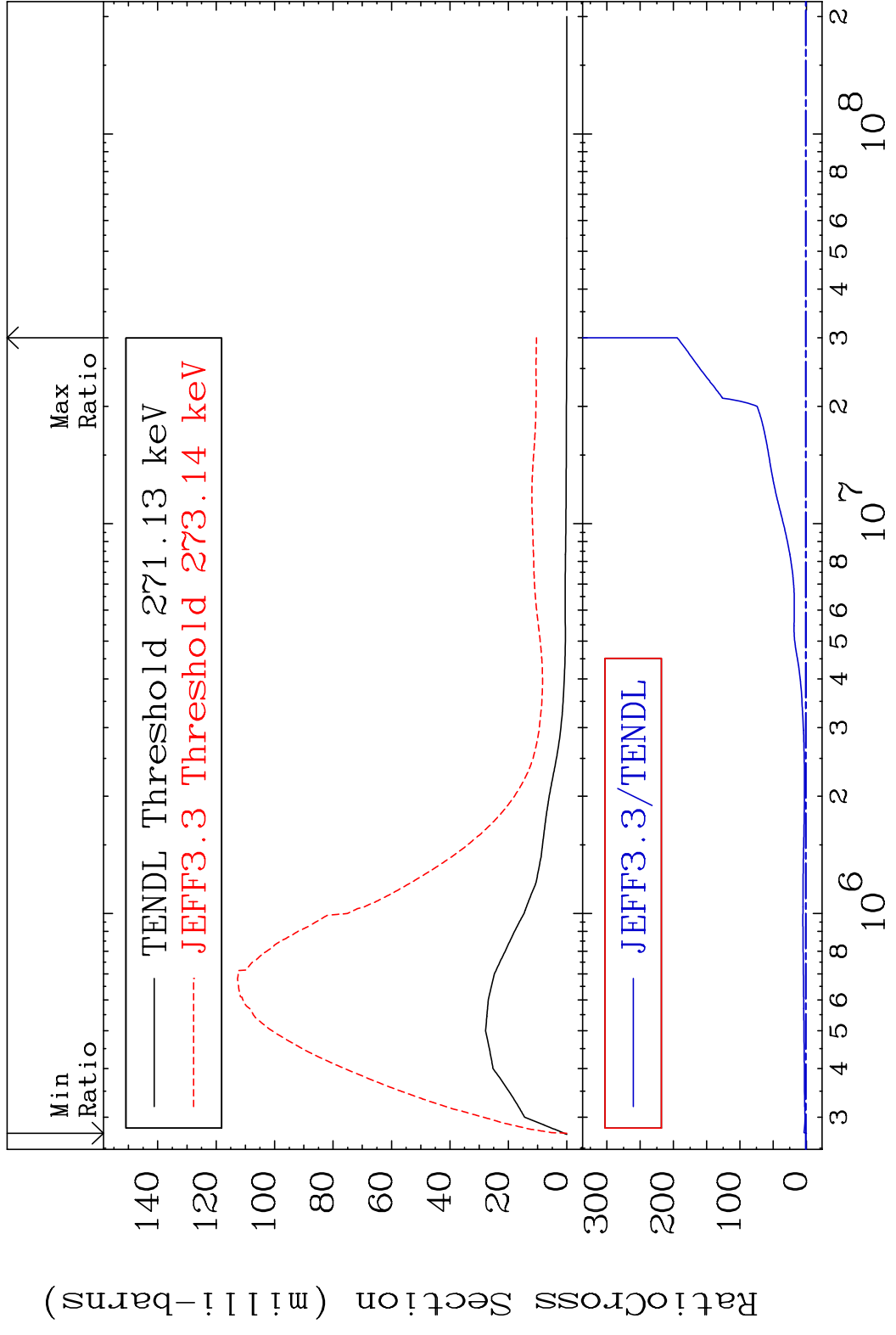
MAT 9543 MT= 56 (n,n') Level 95-Am-241
 Cross Section 41.15 To 9999. %



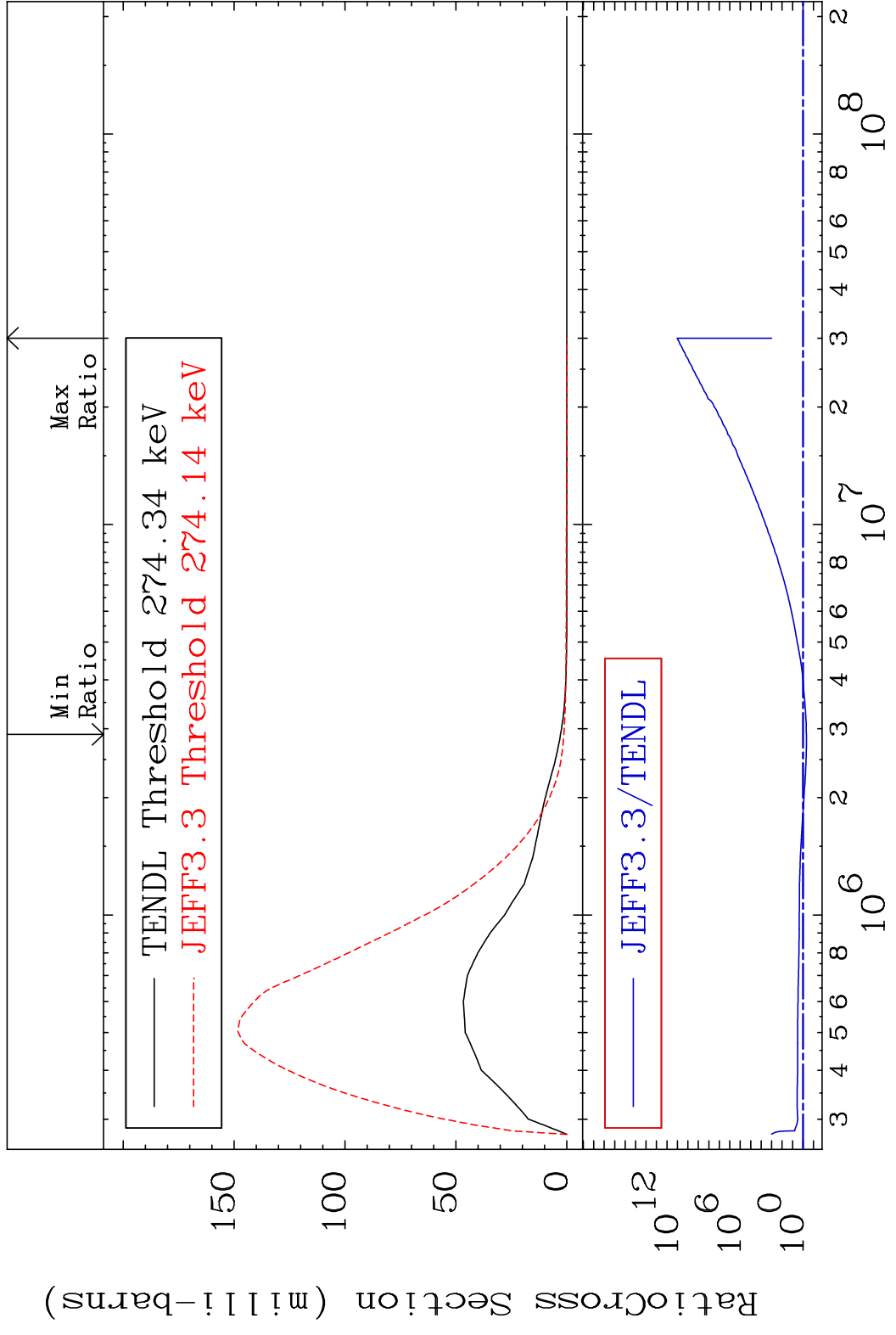
MAT 9543 MT= 57 (n, n') Level 95-Am-241
 Cross Section -99.99 To 12.28 %



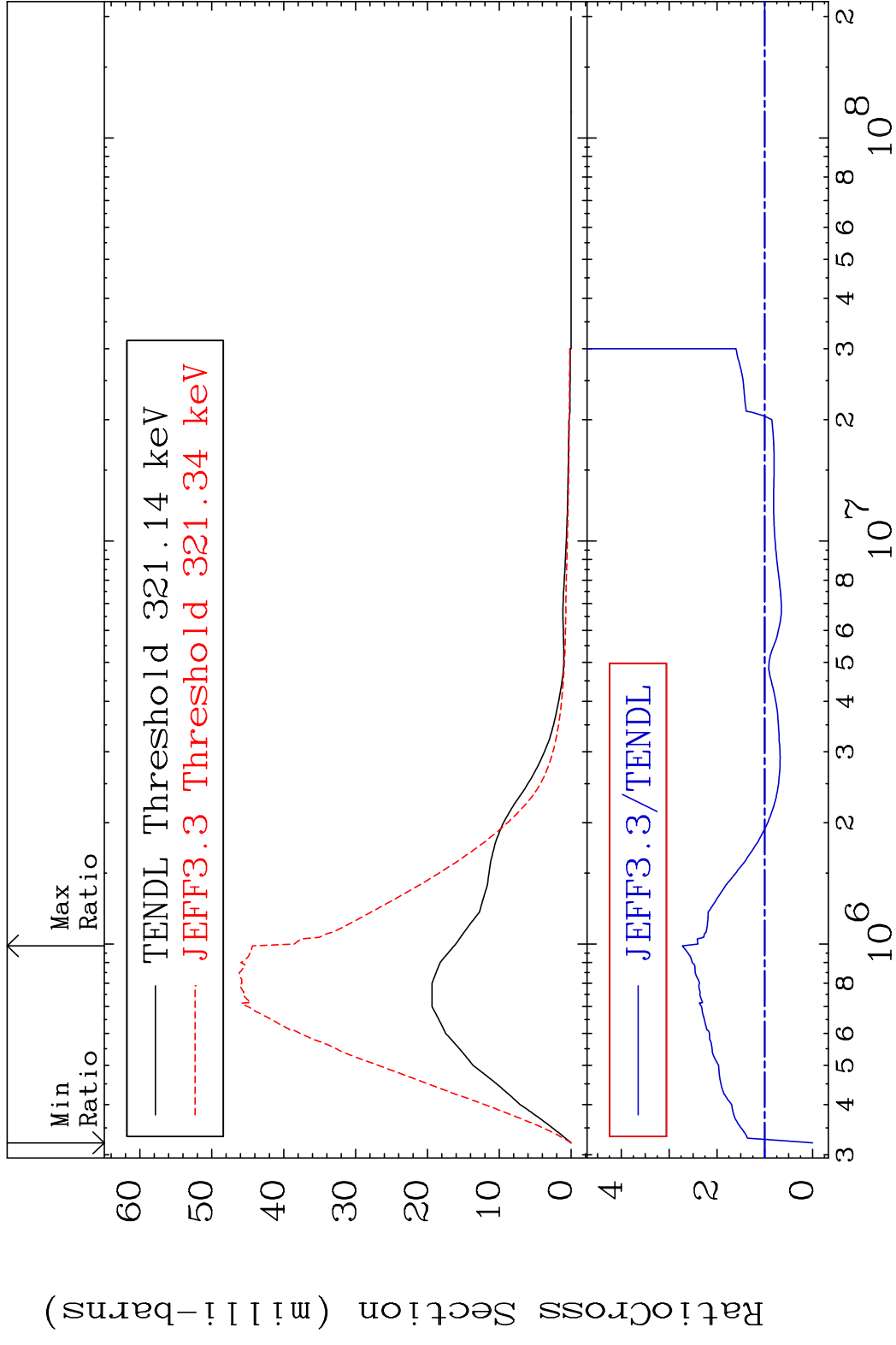
MAT 9543 MT= 58 (n, n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



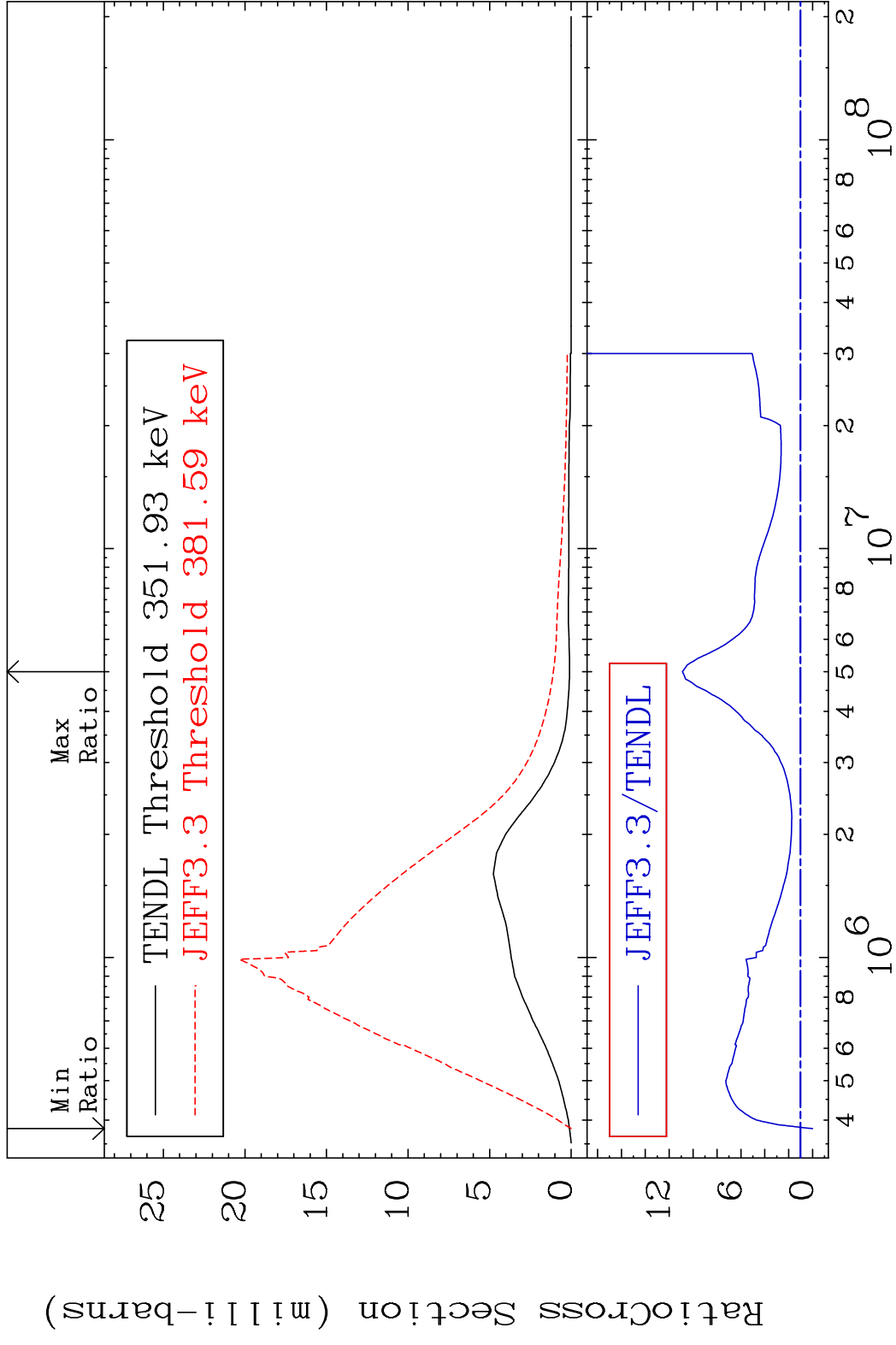
MAT 9543 MT= 59 (n, n') Level 95-Am-241
 Cross Section -52.55 To 9999. %



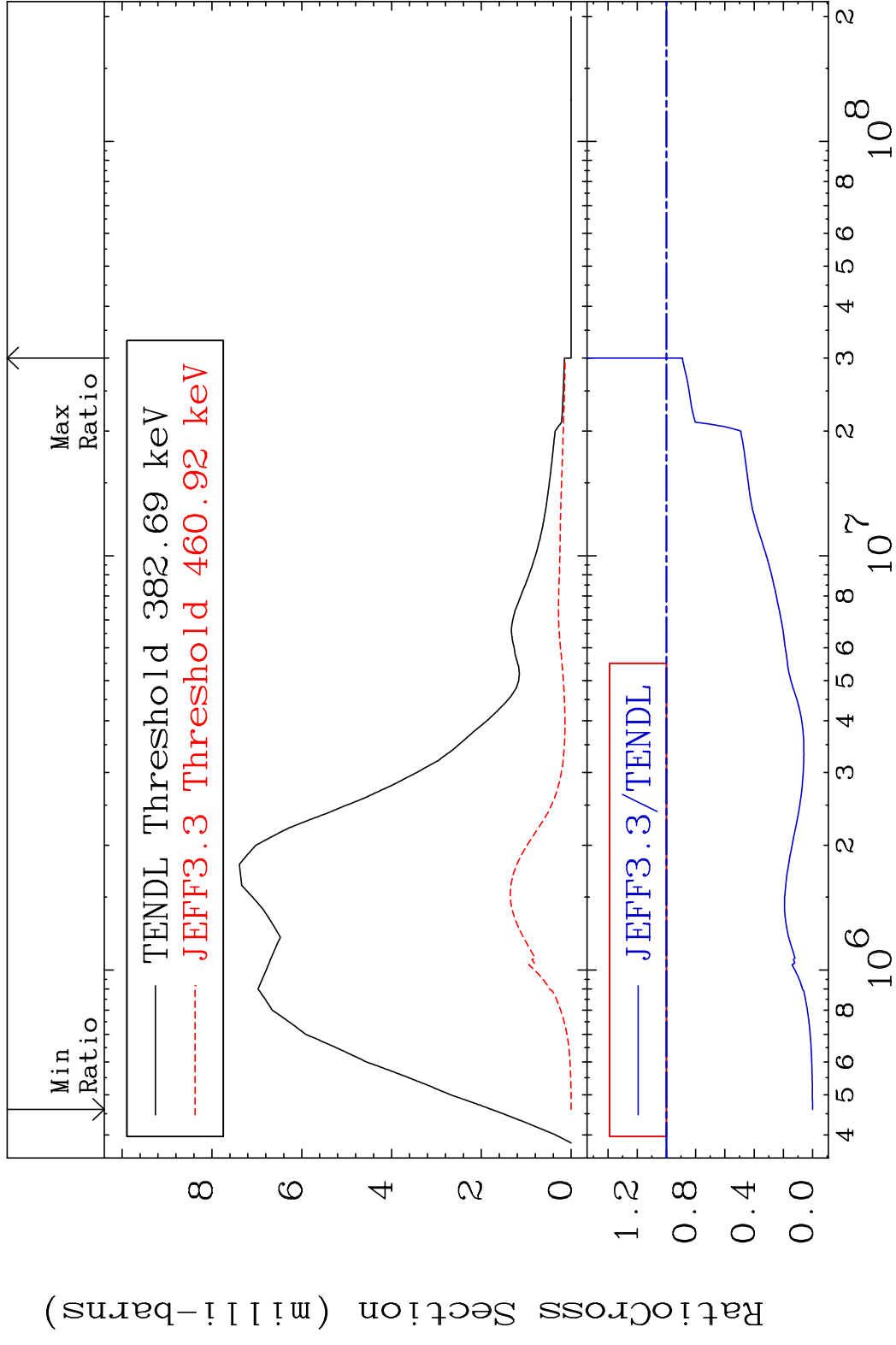
MAT 9543 MT= 60 (n, n') Level 95-Am-241
 Cross Section -100.0 To 172.4 %



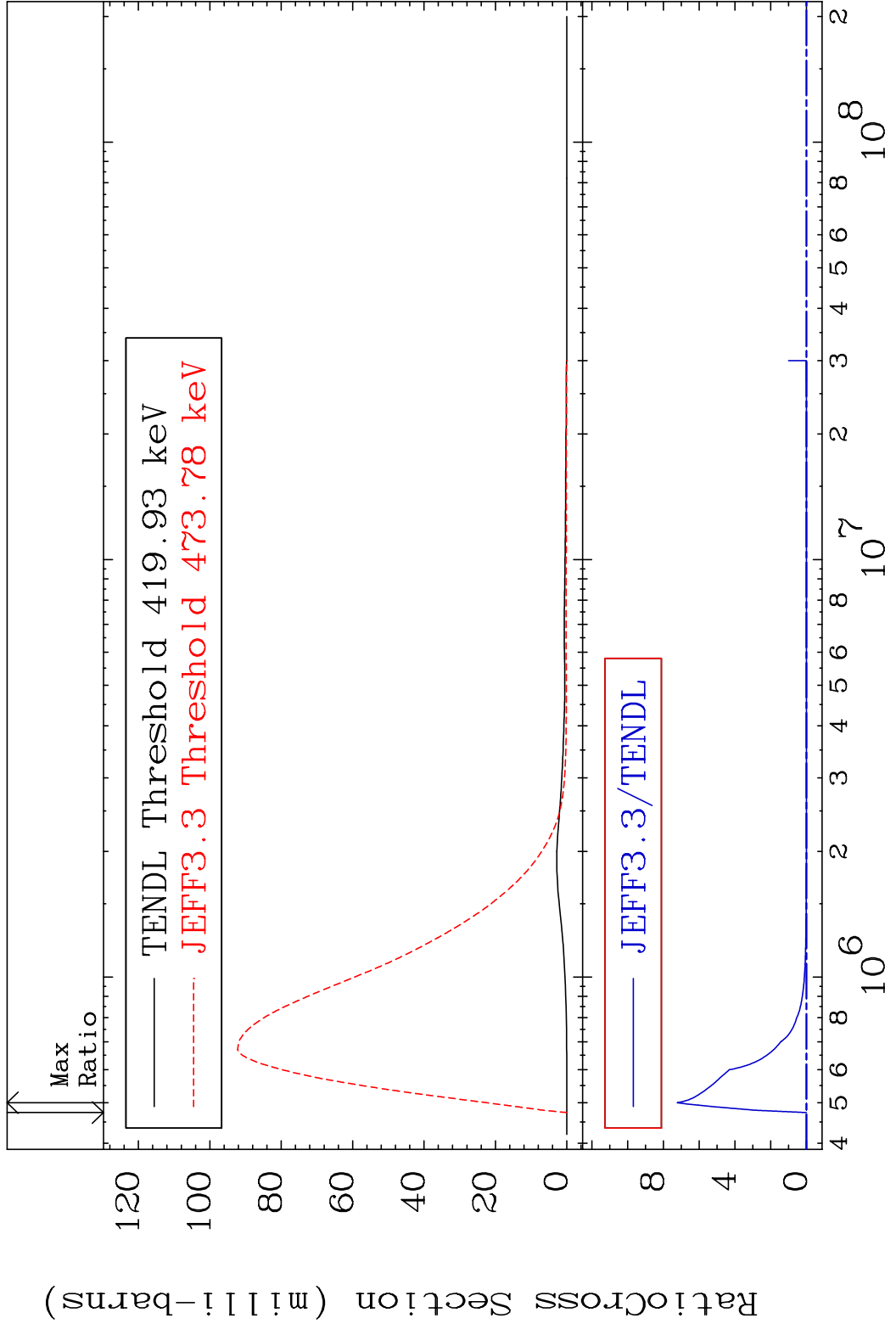
MAT 9543 MT= 61 (n, n') Level 95-Am-241
 Cross Section -100.0 To 990.0 %



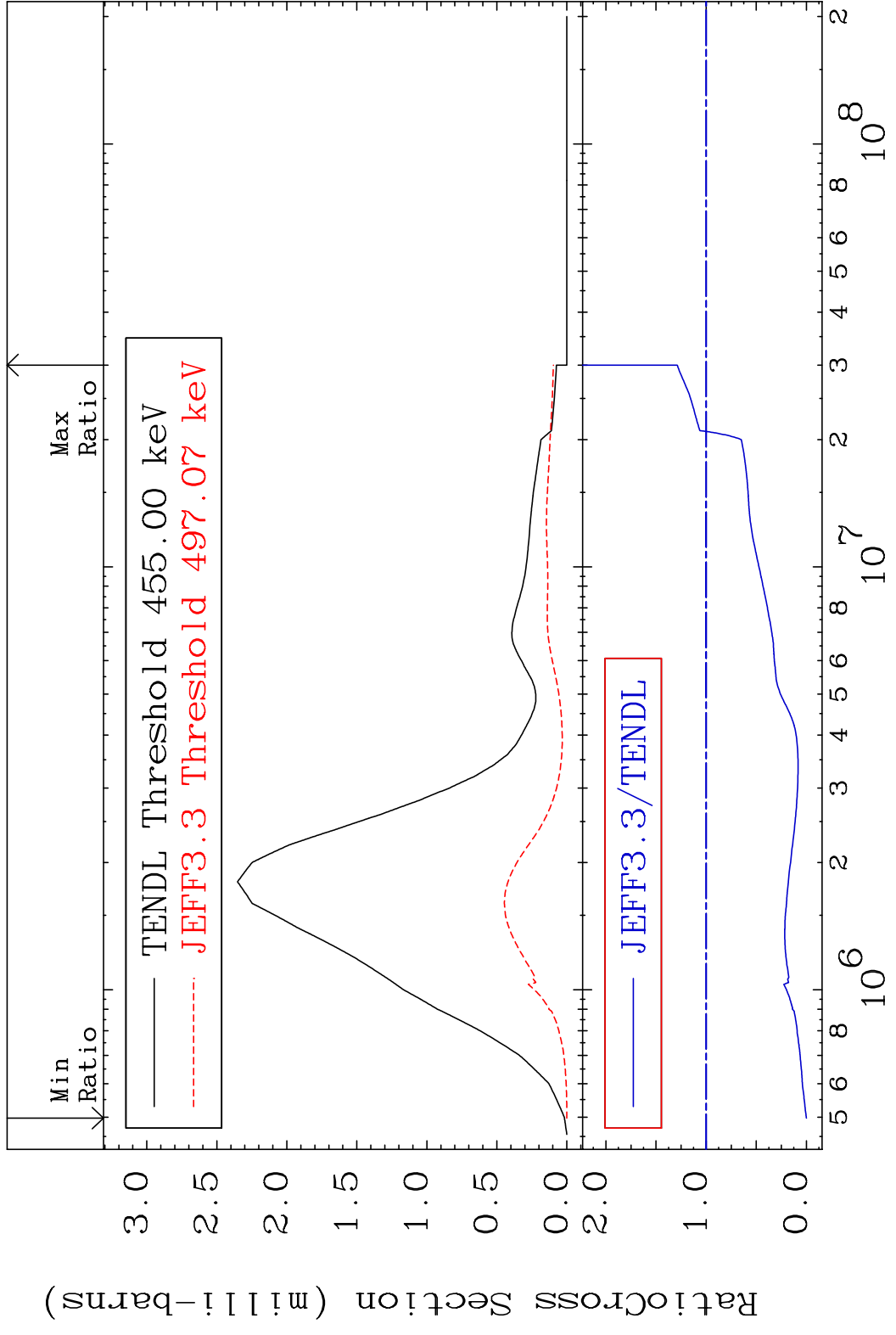
MAT 9543 MT= 62 (n, n') Level 95-Am-241
 Cross Section -100.0 To -10.86%



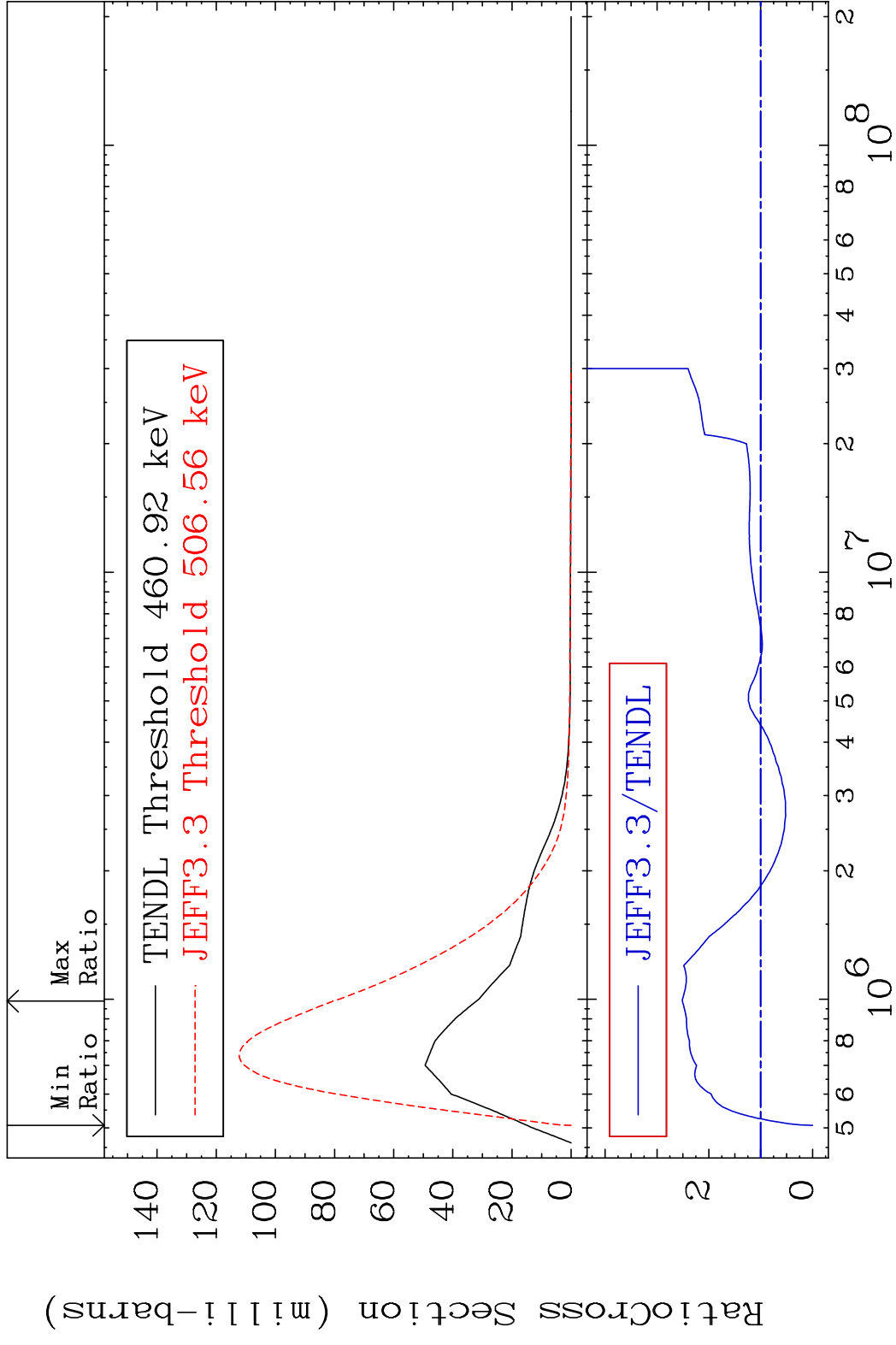
MAT 9543 MT= 63 (n, n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



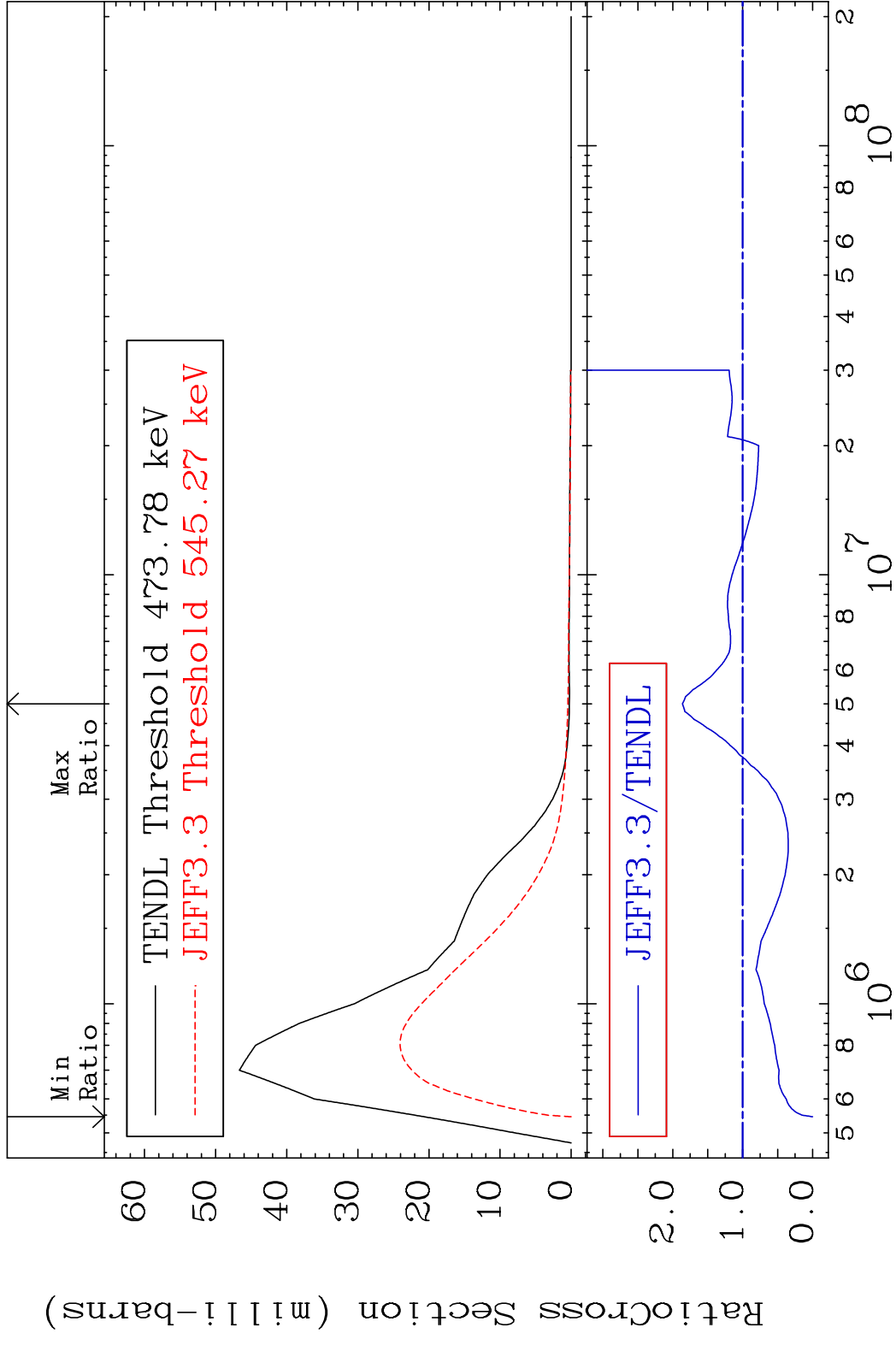
MAT 9543 MT= 64 (n, n') Level 95-Am-241
 Cross Section -100.0 To 28.89 %



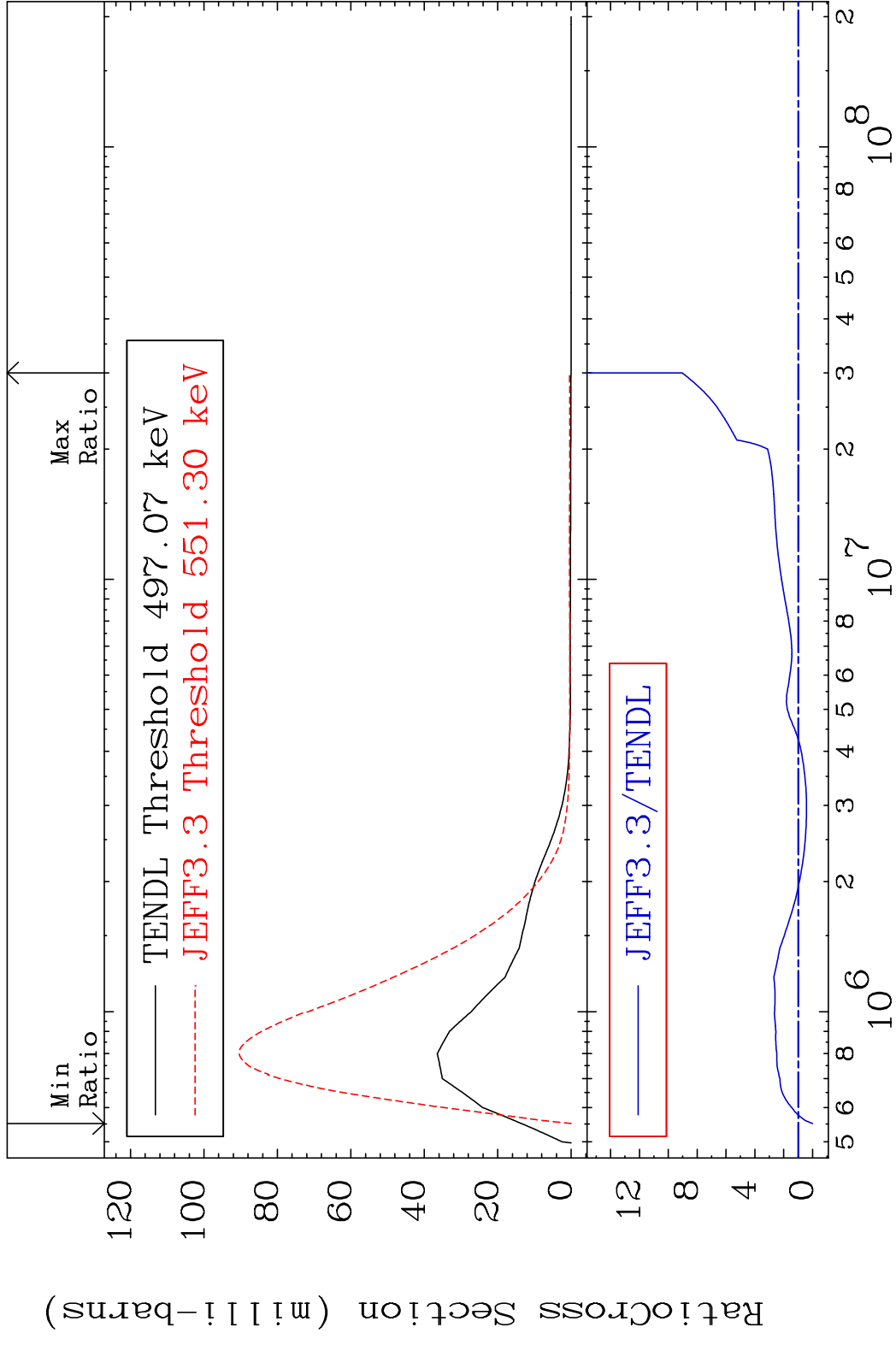
MAT 9543 MT= 65 (n, n') Level 95-Am-241
 Cross Section -100.0 To 151.1 %



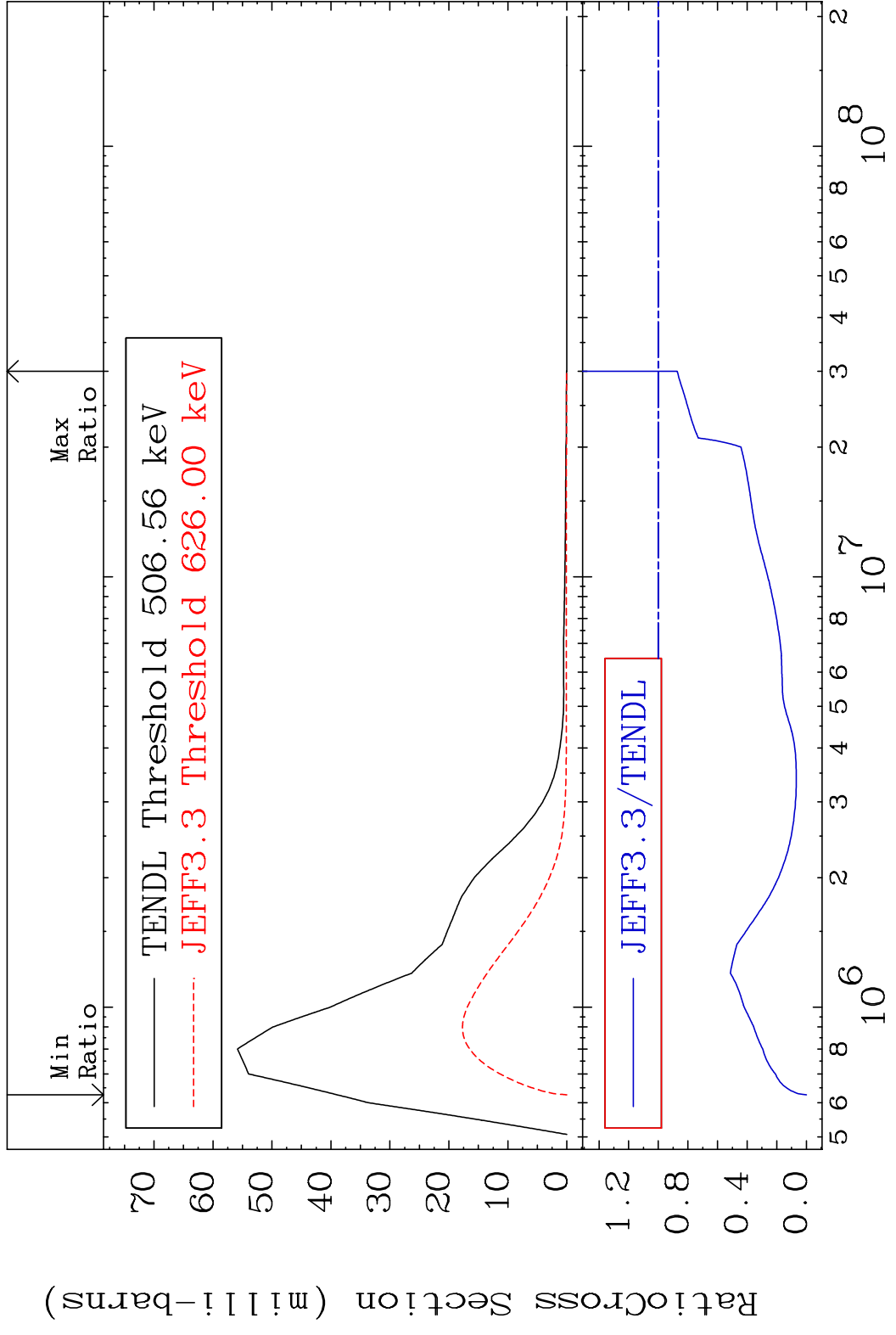
MAT 9543 MT= 66 (n, n') Level 95-Am-241
 Cross Section -100.0 To 86.31 %



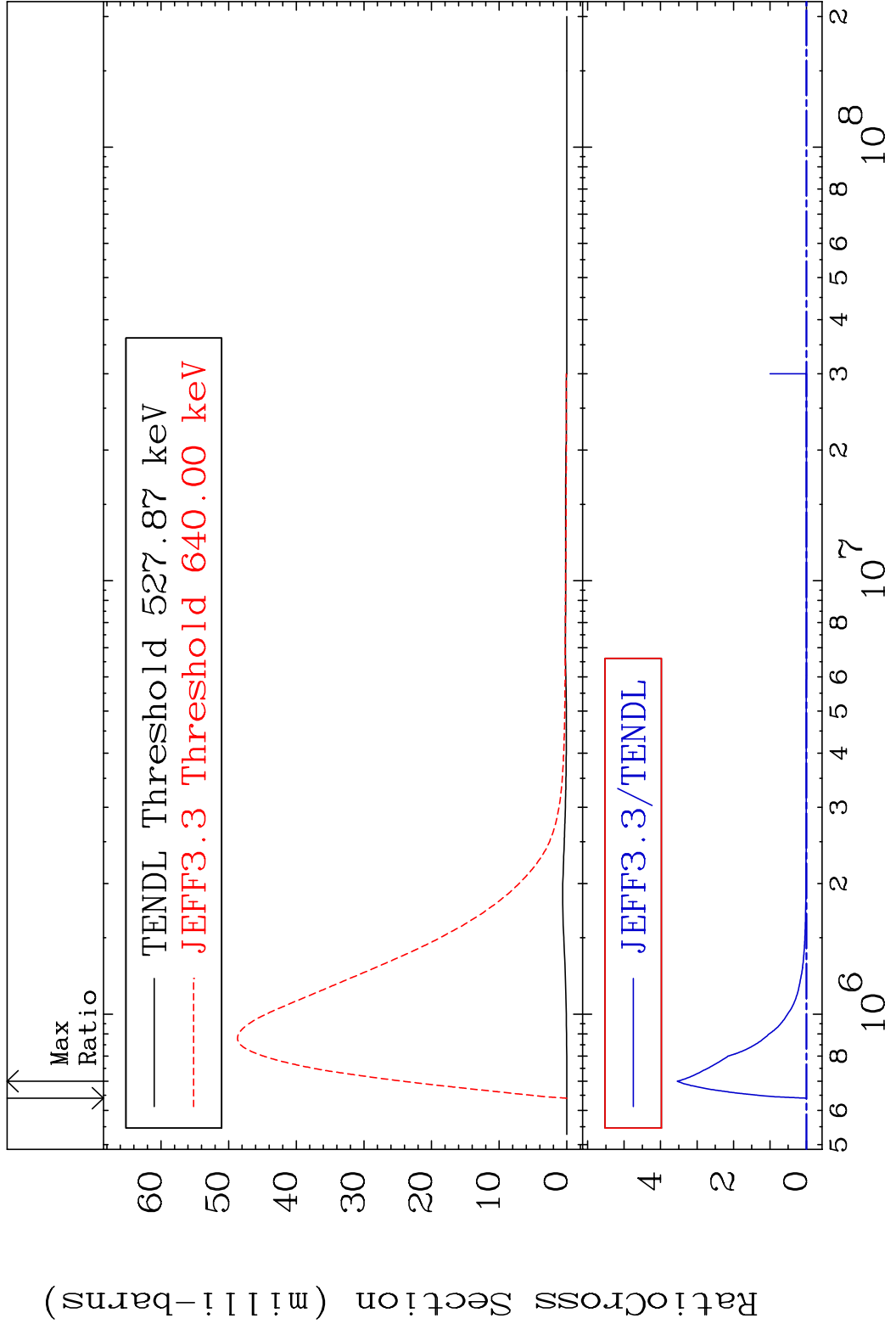
MAT 9543 MT= 67 (n, n') Level 95-Am-241
 Cross Section -100.0 To 802.3 %



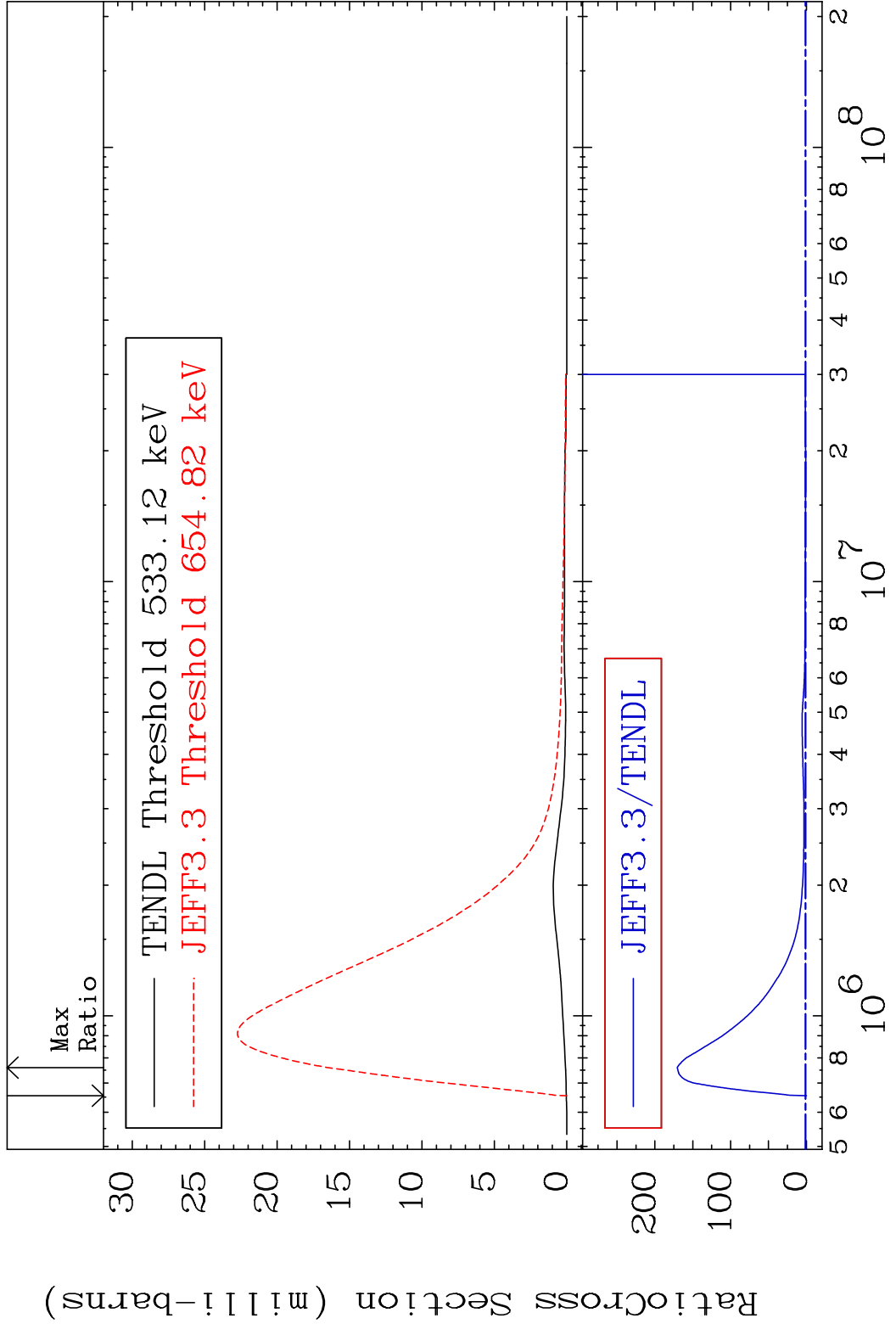
MAT 9543 MT= 68 (n, n') Level 95-Am-241
 Cross Section -100.0 To -12.76%



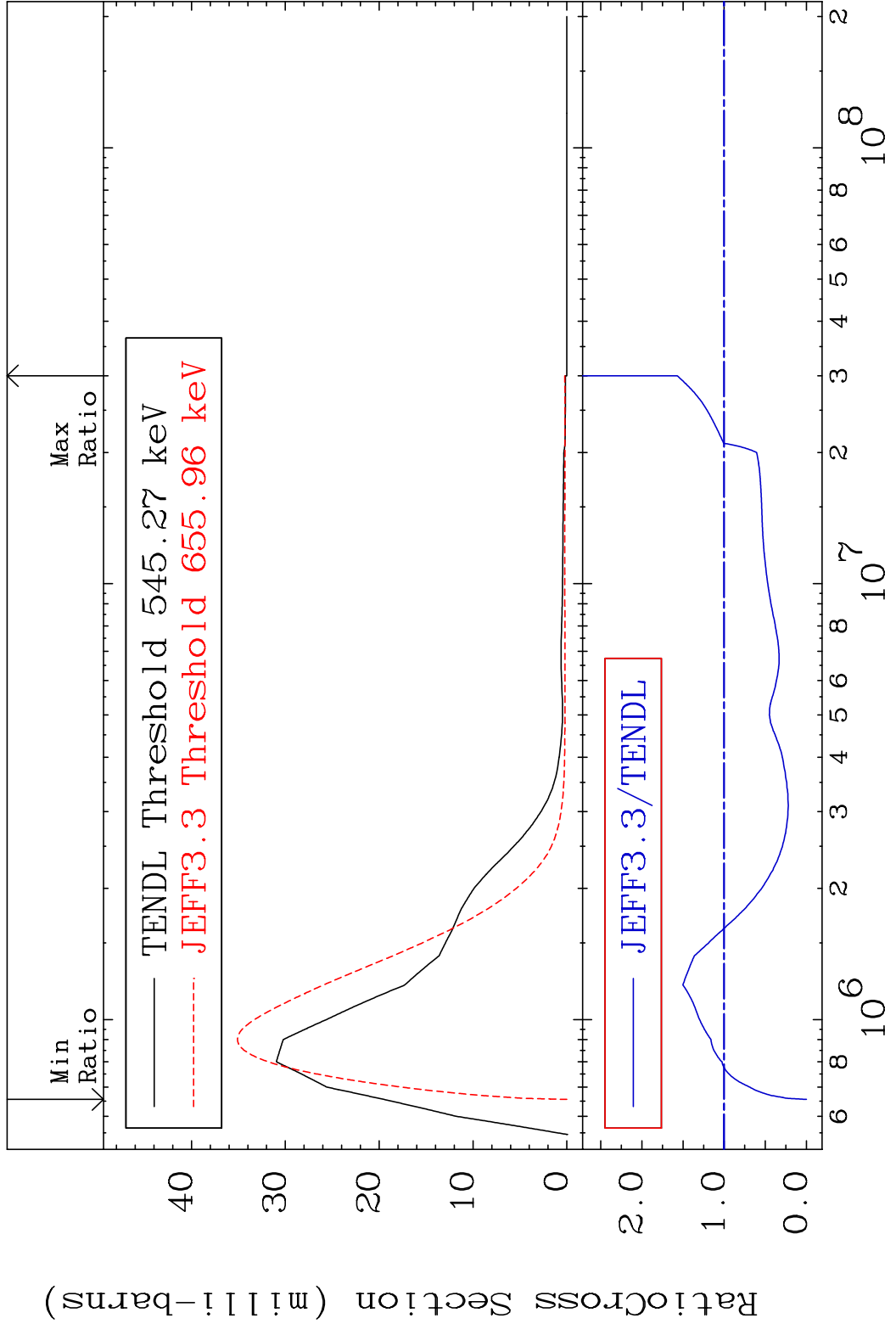
MAT 9543 MT= 69 (n, n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



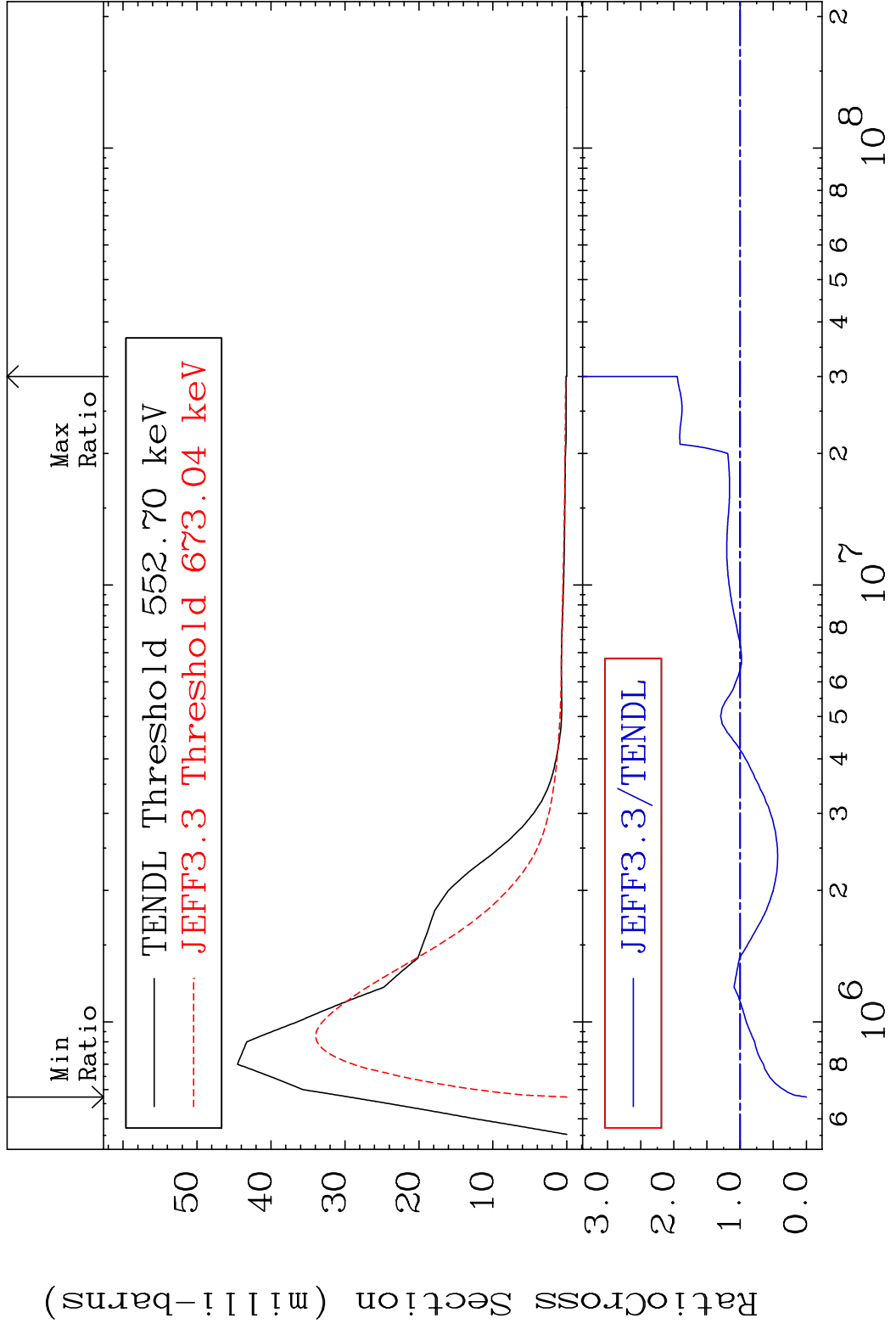
MAT 9543 MT= 70 (n, n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



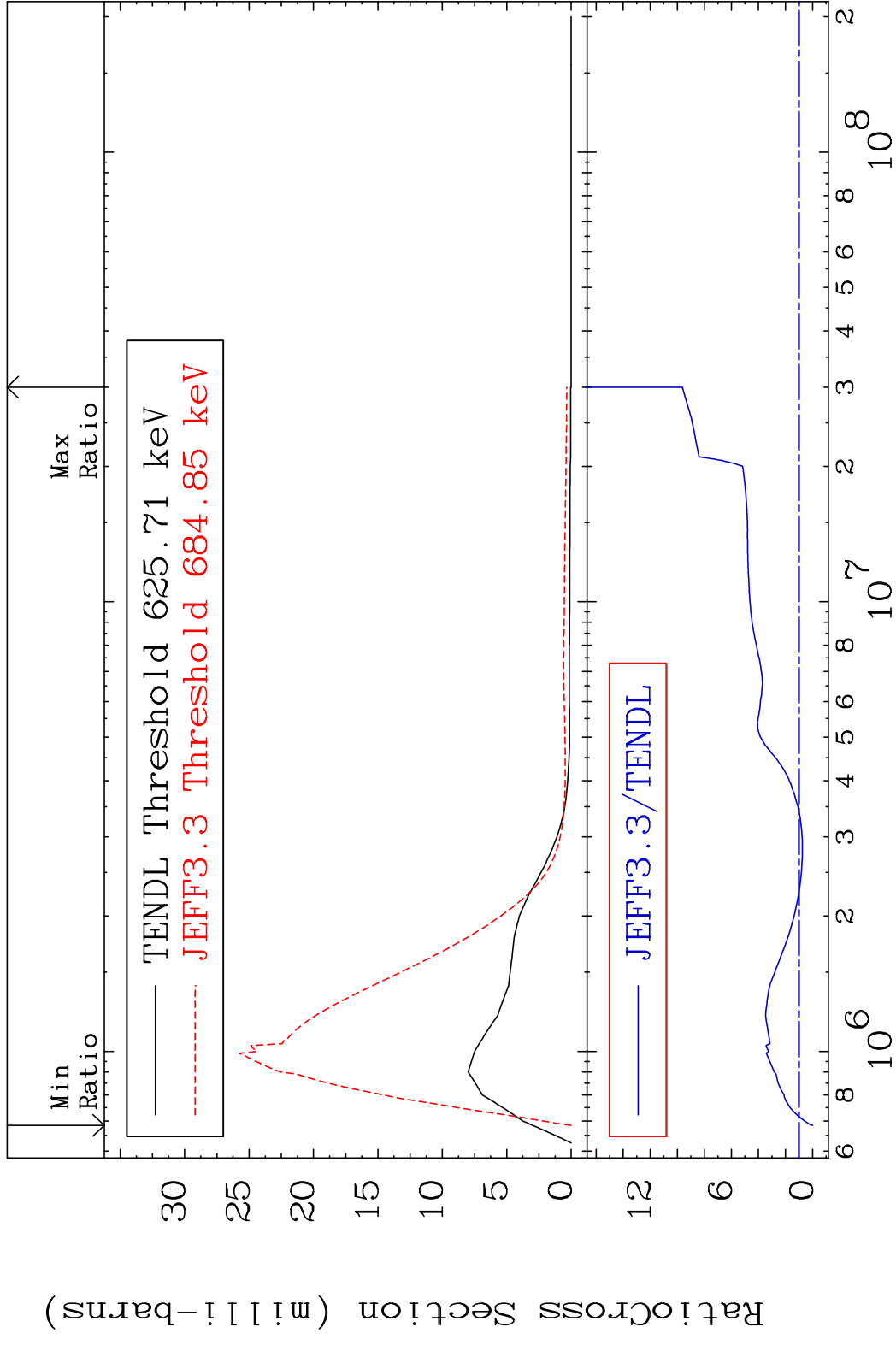
MAT 9543 MT= 71 (n, n') Level 95-Am-241
 Cross Section -100.0 To 57.11 %



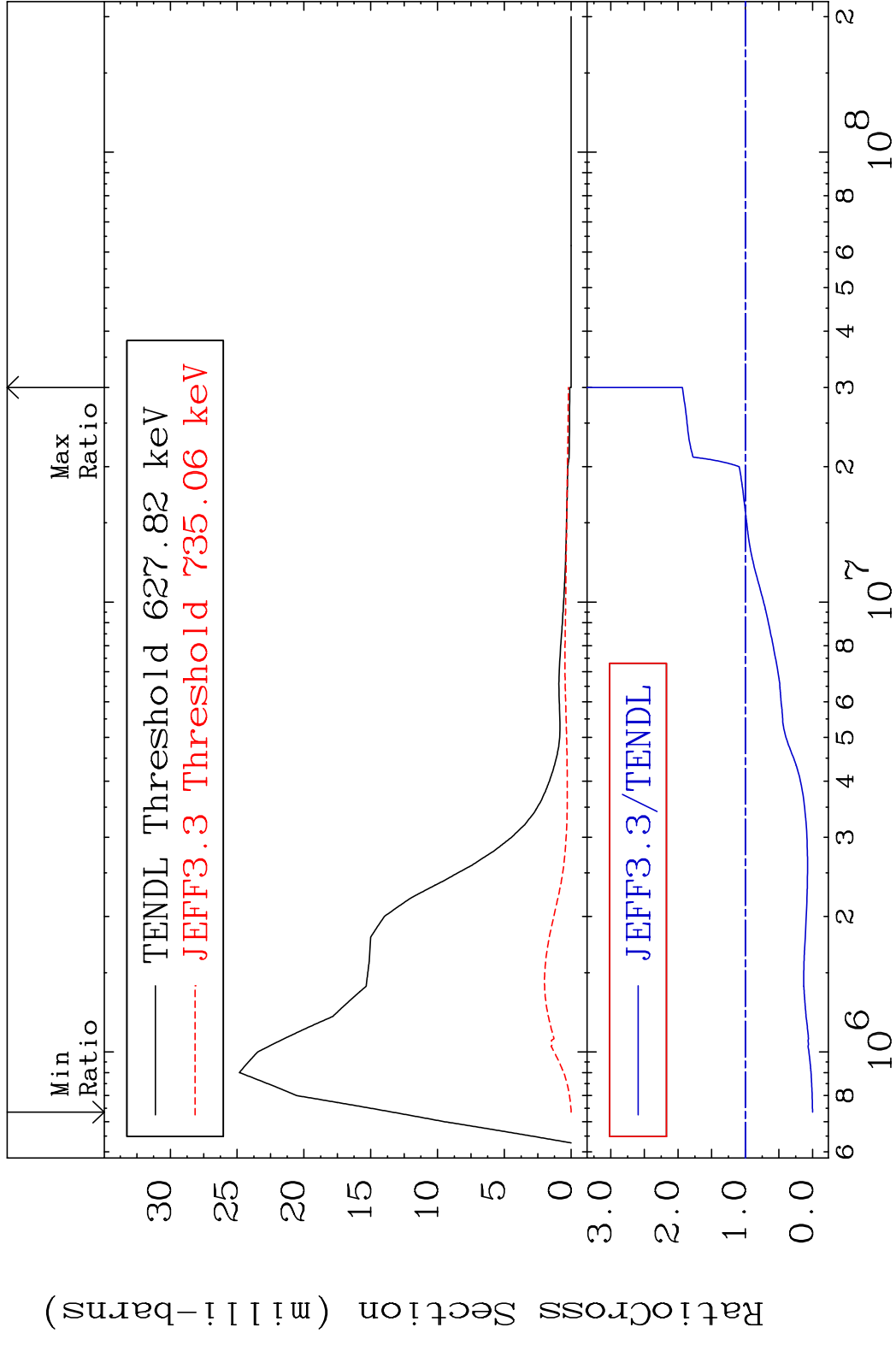
MAT 9543 MT= 72 (n, n') Level 95-Am-241
 Cross Section -100.0 To 94.95 %



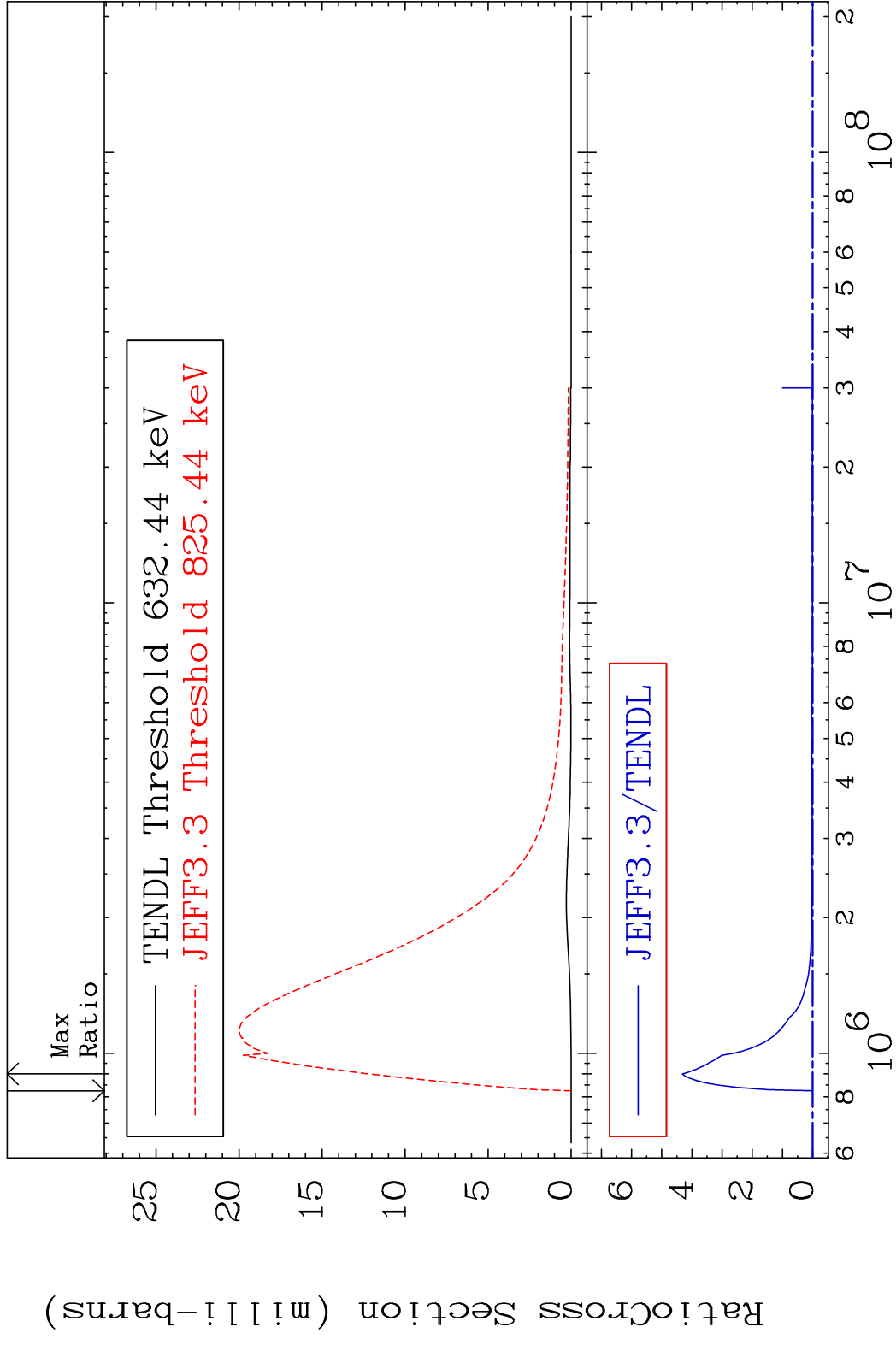
MAT 9543 MT= 73 (n, n') Level 95-Am-241
 Cross Section -100.0 To 862.4 %



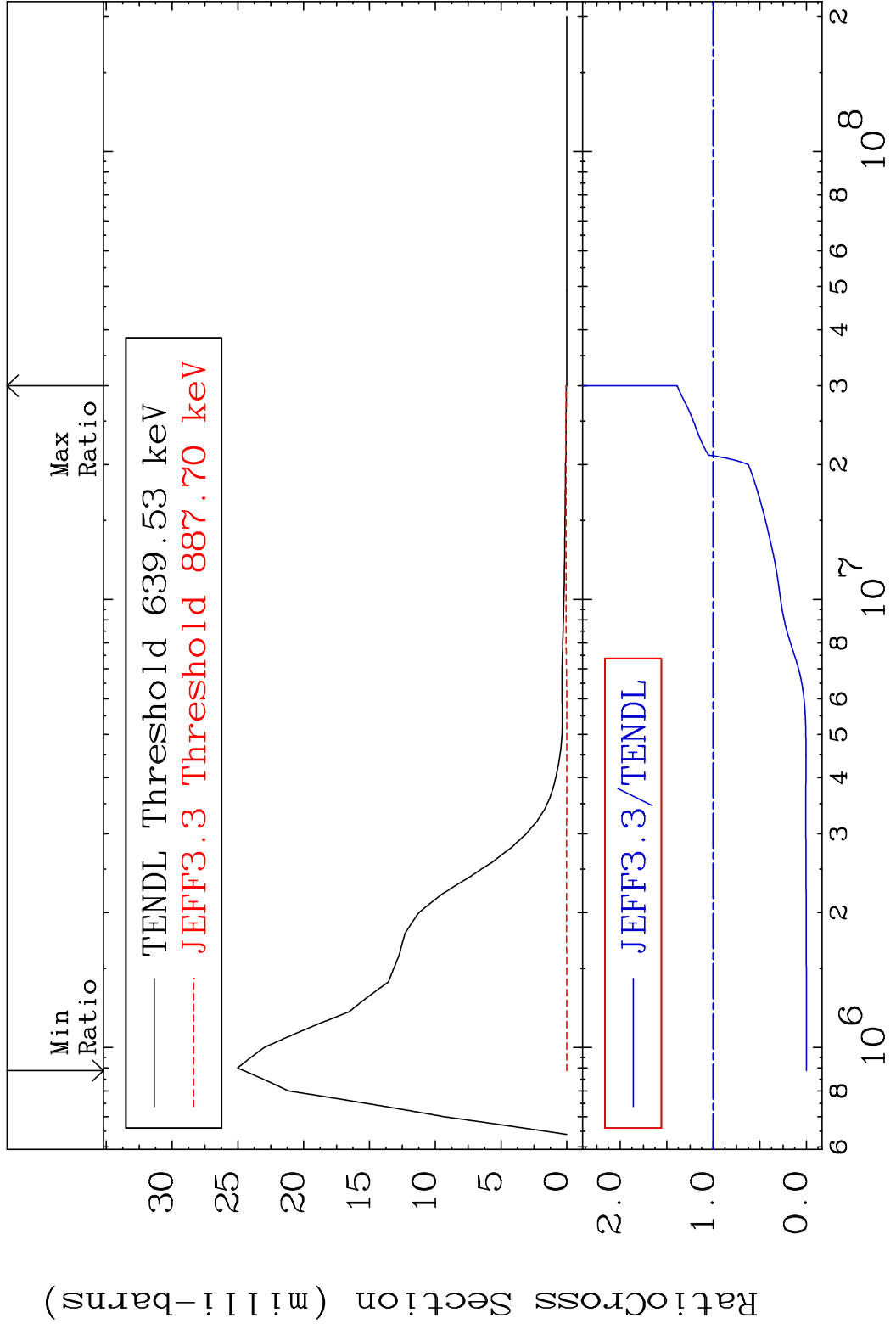
MAT 9543 MT= 74 (n, n') Level 95-Am-241
 Cross Section -100.0 To 93.56 %



MAT 9543 MT= 75 (n,n') Level 95-Am-241
 Cross Section -100.0 To 9999. %

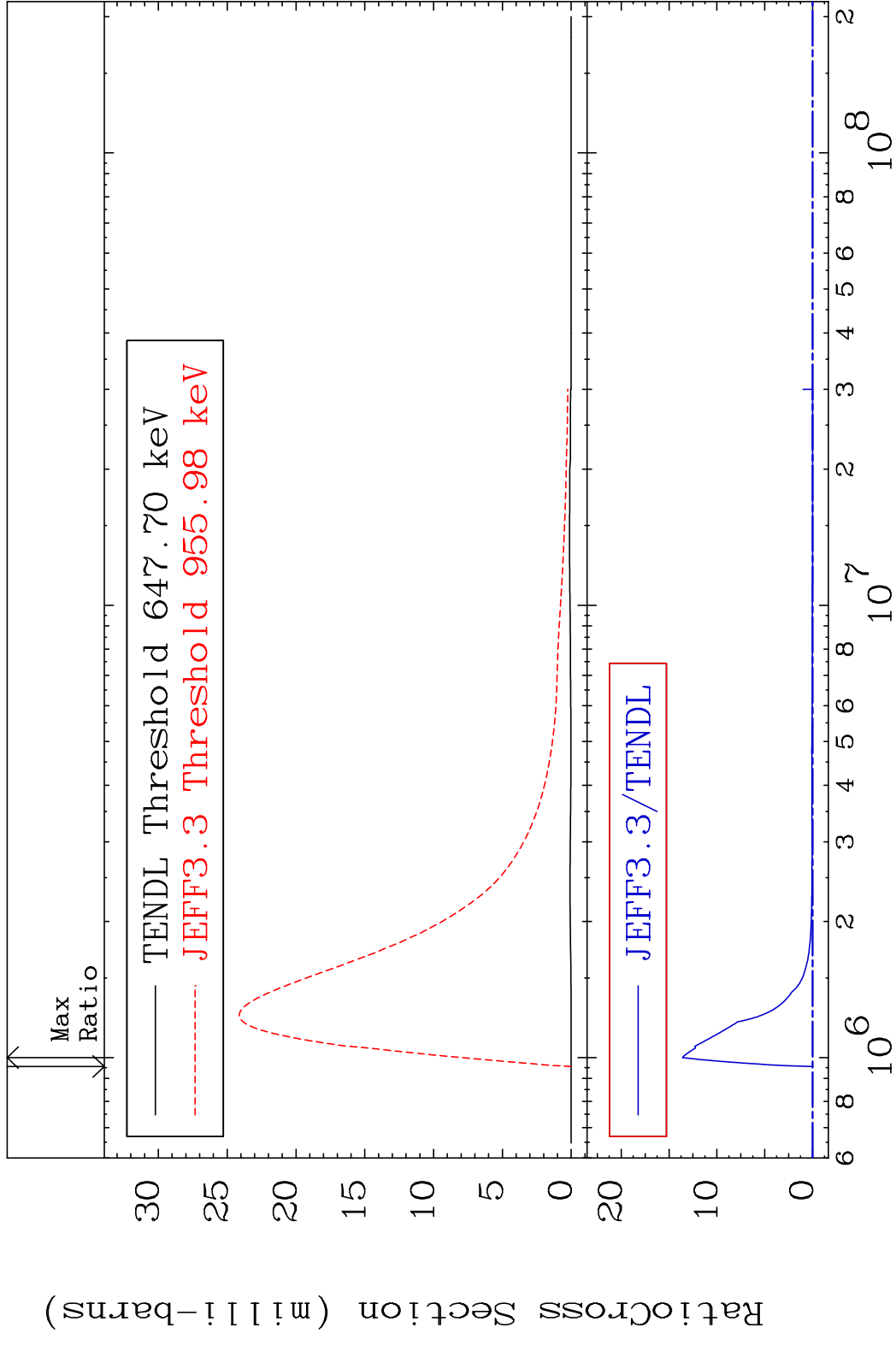


MAT 9543 MT= 76 (n, n') Level 95-Am-241
 Cross Section -100.0 To 38.80 %

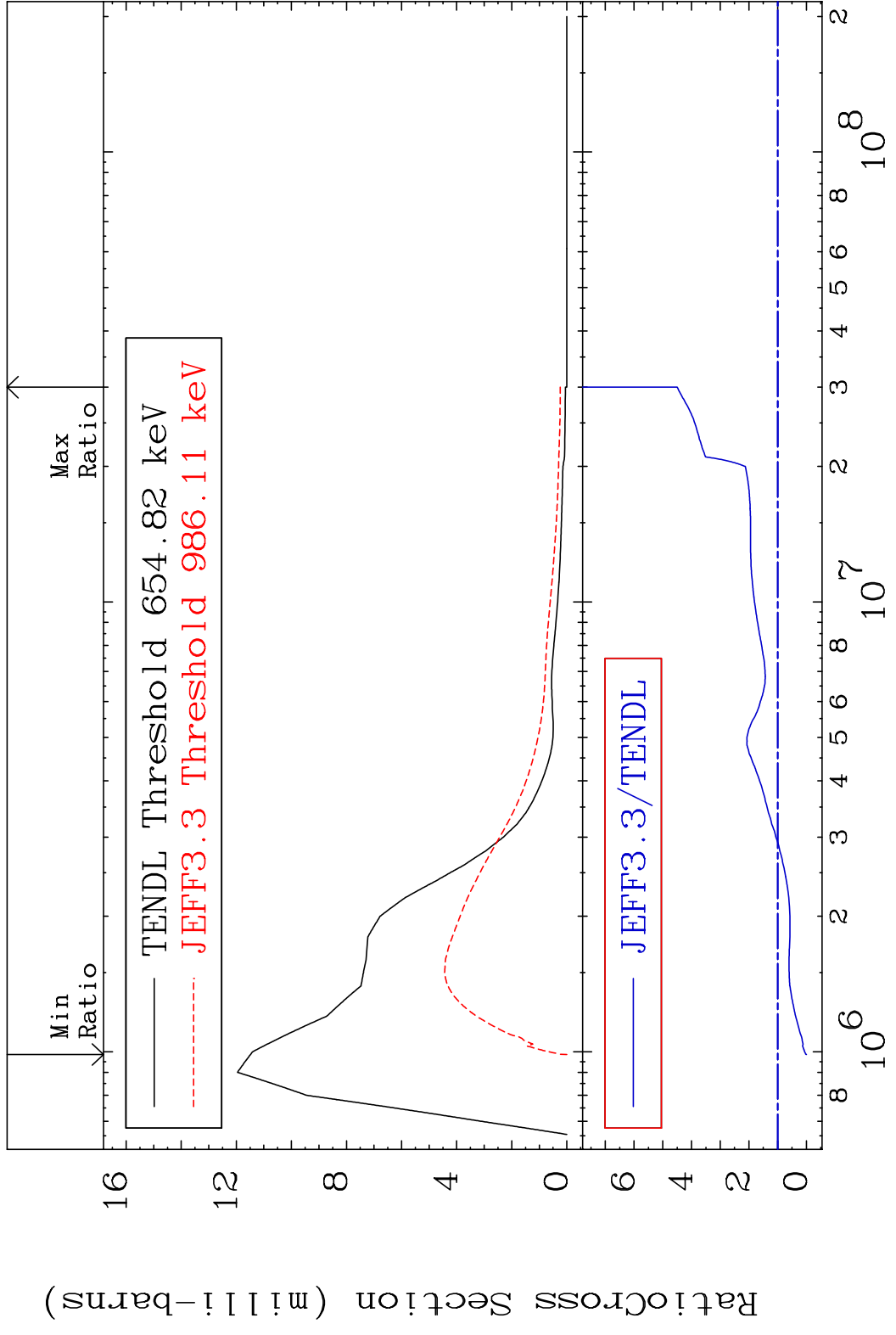


40 Incident Energy (eV) 95-Am-241

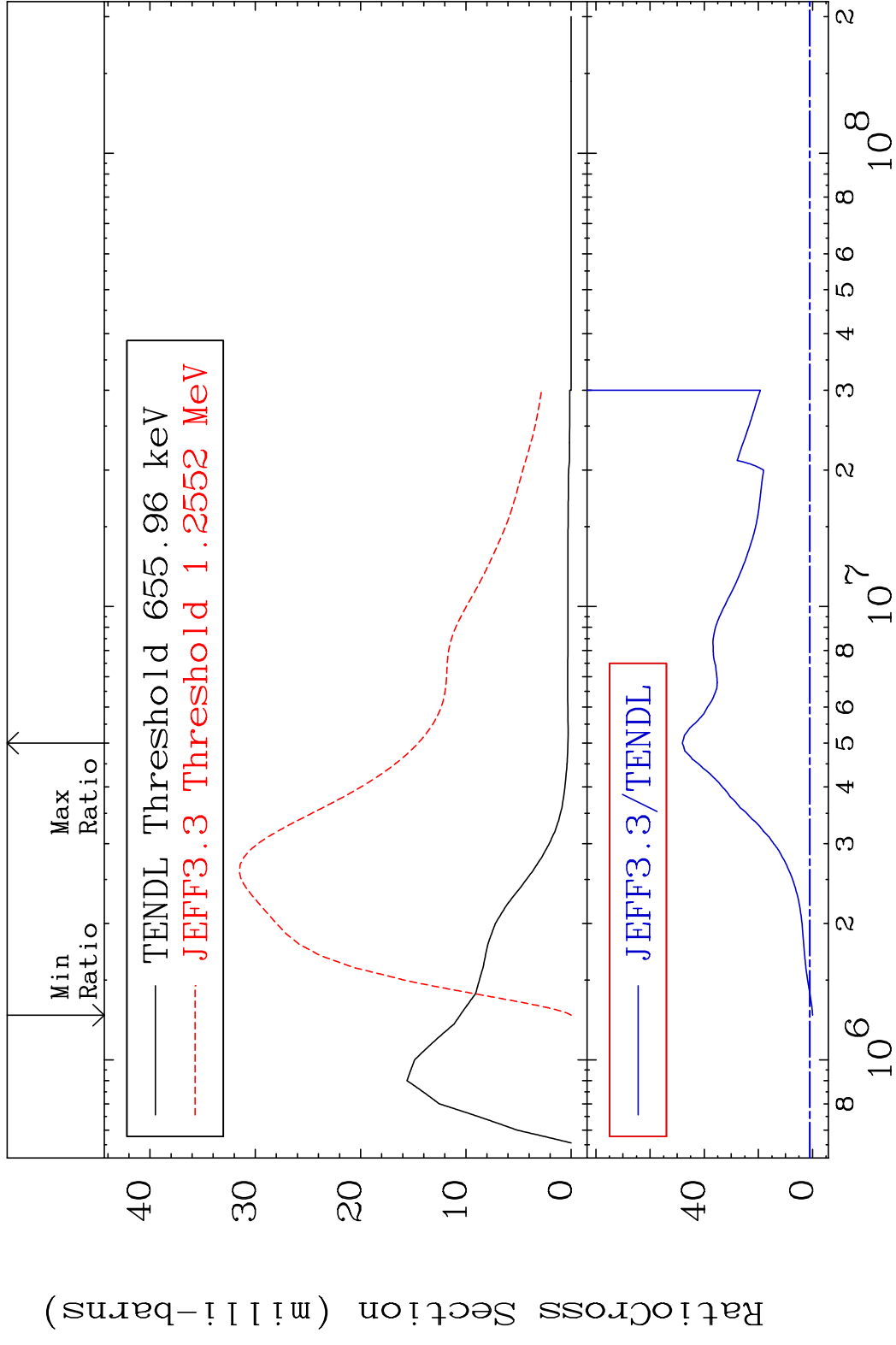
MAT 9543 MT= 77 (n, n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



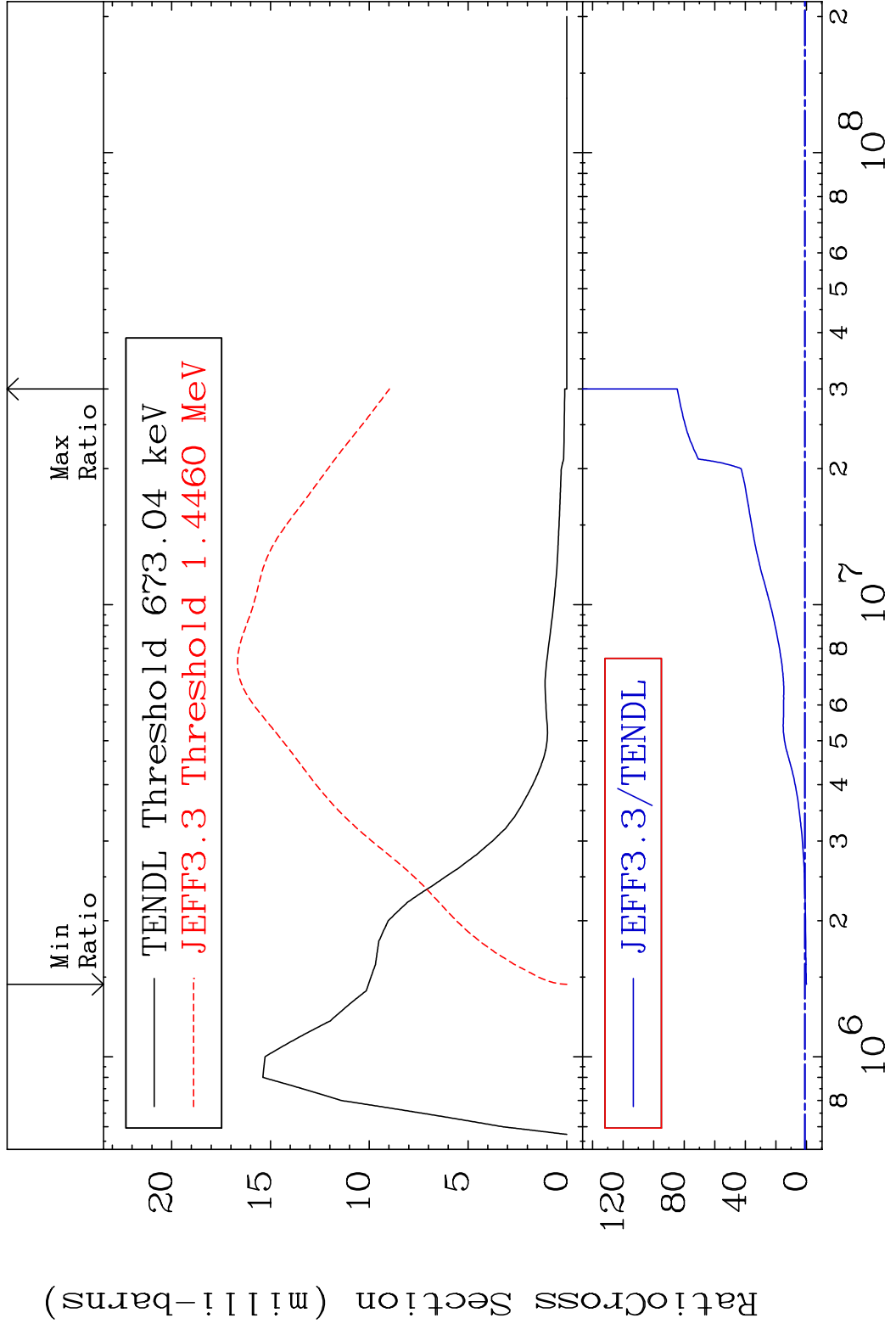
MAT 9543 MT= 78 (n, n') Level 95-Am-241
 Cross Section -100.0 To 349.8 %



MAT 9543 MT= 79 (n, n') Level 95-Am-241
 Cross Section -100.0 To 4707. %



MAT 9543 MT= 80 (n, n') Level 95-Am-241
 Cross Section -100.0 To 8360. %



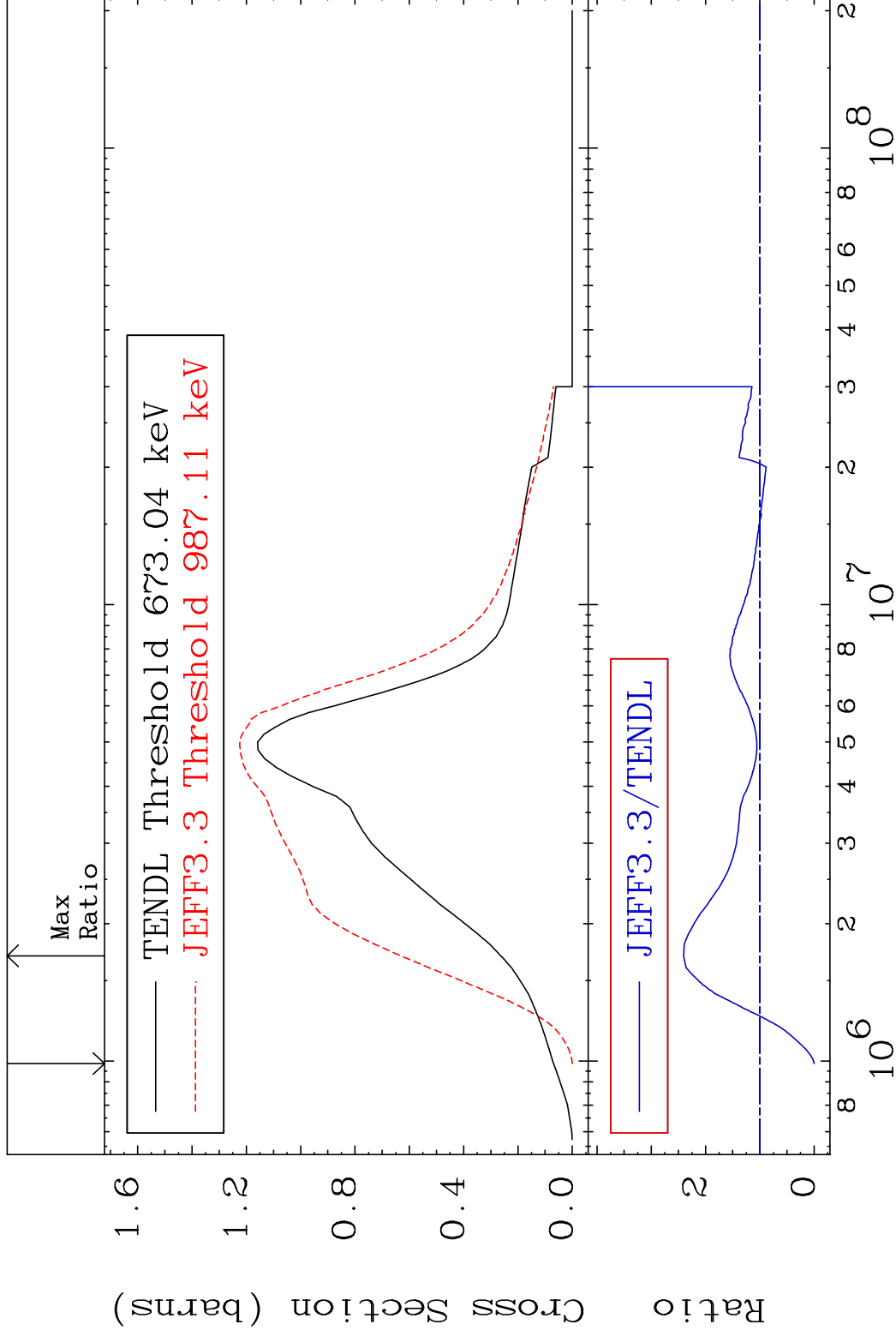
44 Incident Energy (eV) 95-Am-241

MAT 9543

(n, n') Continuum

95-Am-241

Cross Section -100.0 To 140.3 %



45

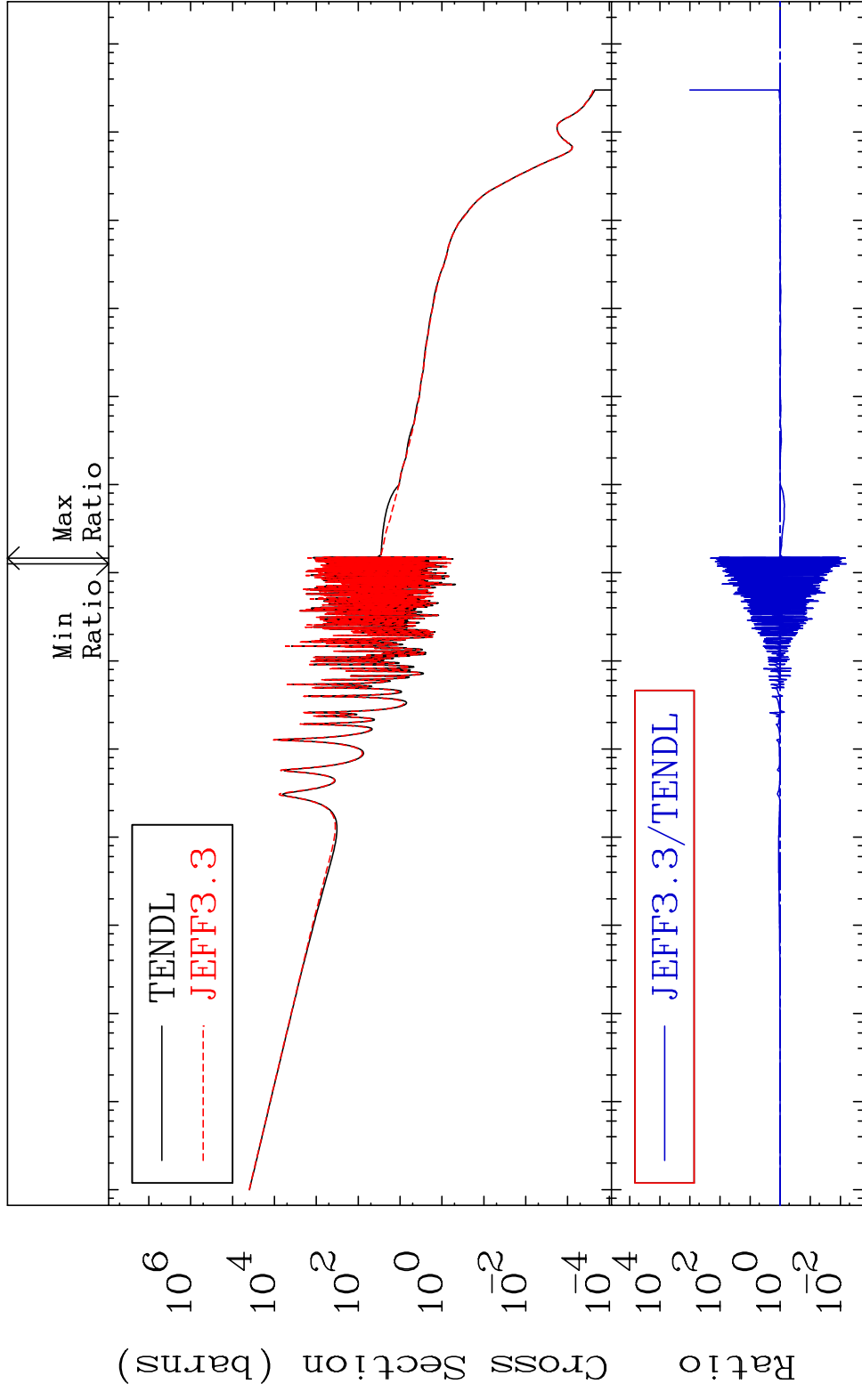
Incident Energy (eV)

95-Am-241

MAT 9543

(n, γ)
Cross Section -99.37 To 9999. %

95-Am-241



46

Incident Energy (eV)

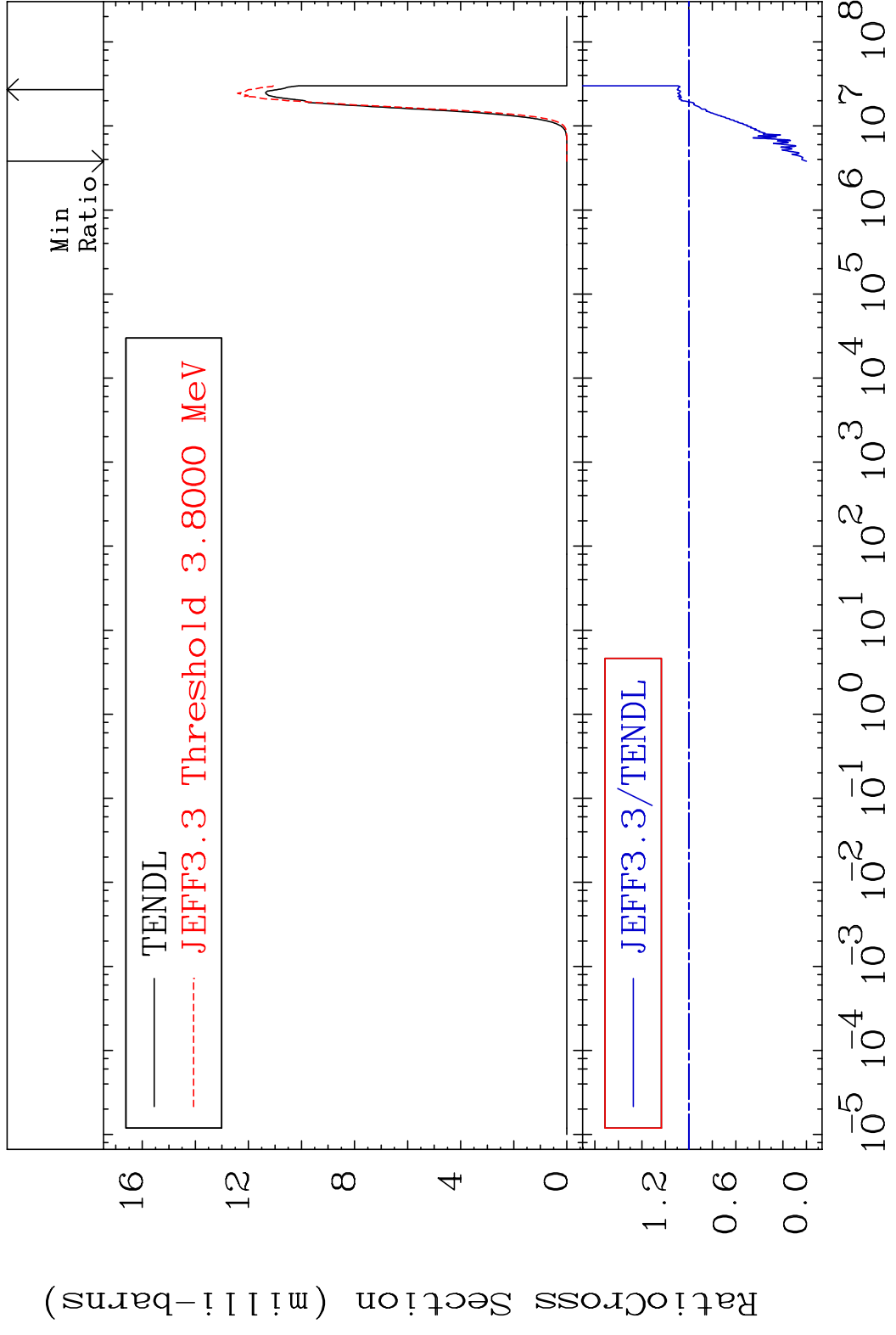
95-Am-241

MAT 9543

(n, p)

95-Am-241

Cross Section -100.0 To 9.945 %

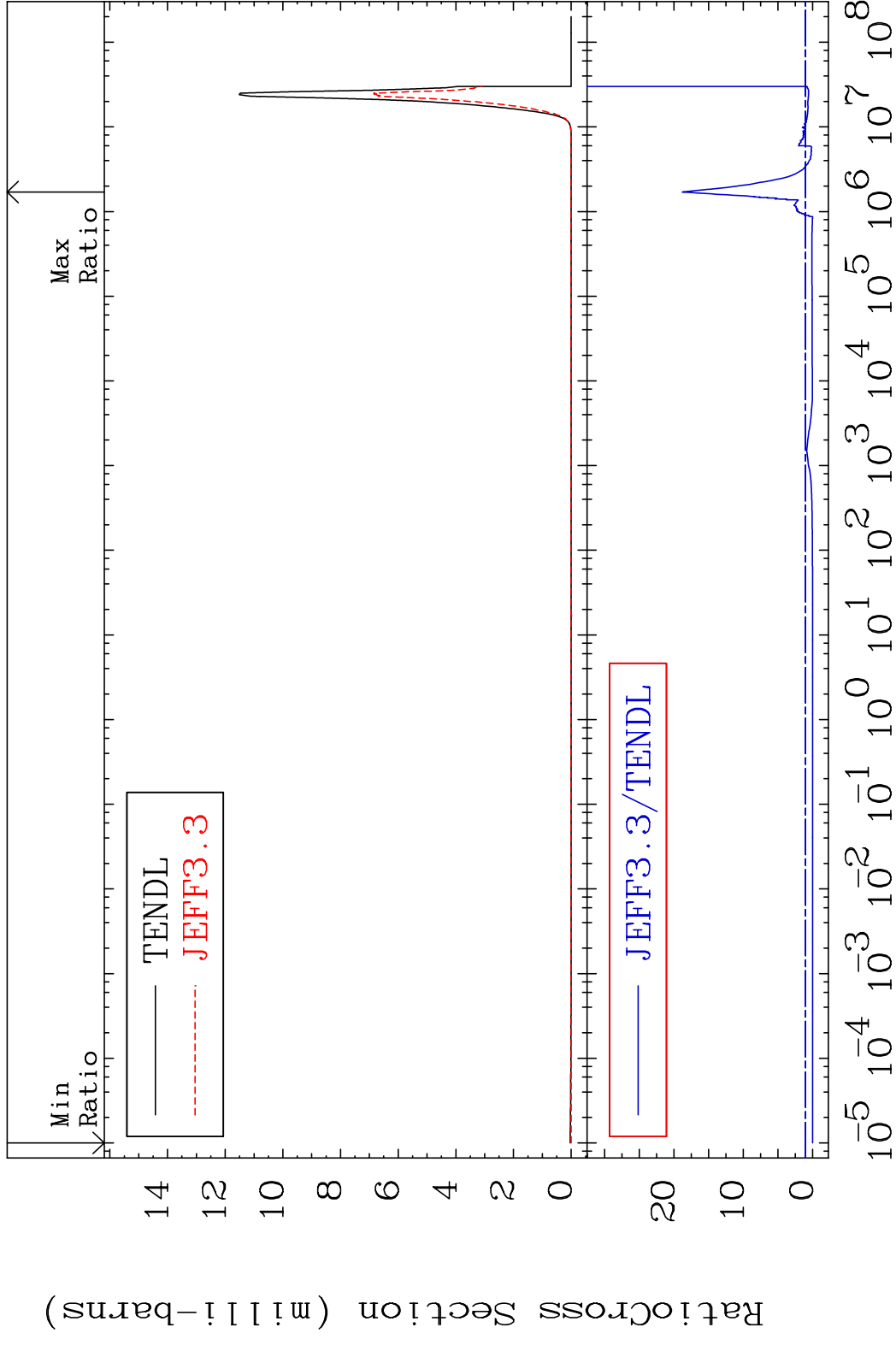


MAT 9543

(n, α)

95-Am-241

Cross Section -100.0 To 1779. %

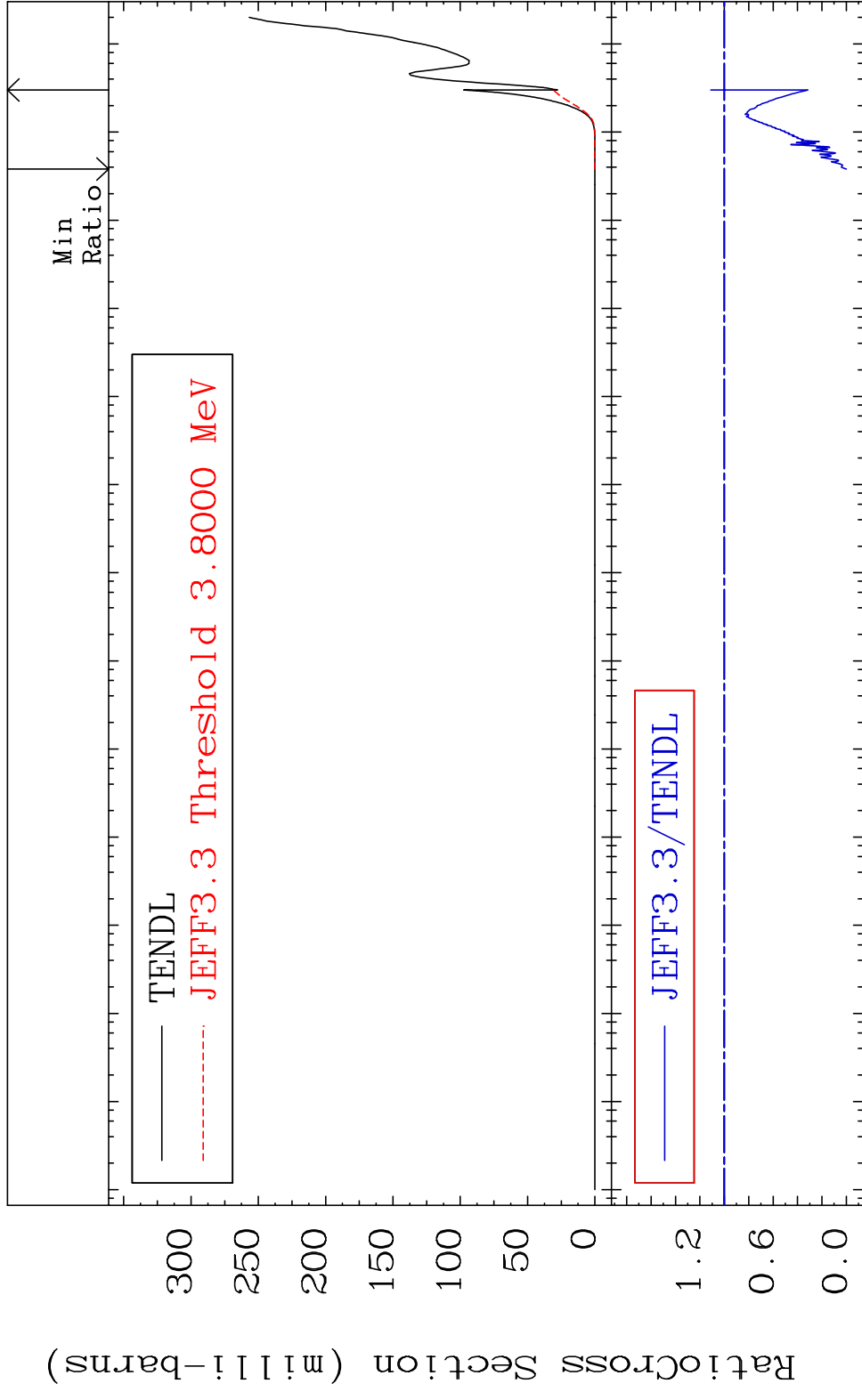


MAT 9543

Hydrogen Production

95-Am-241

Cross Section -100.0 To 11.14 %



49

Incident Energy (eV)

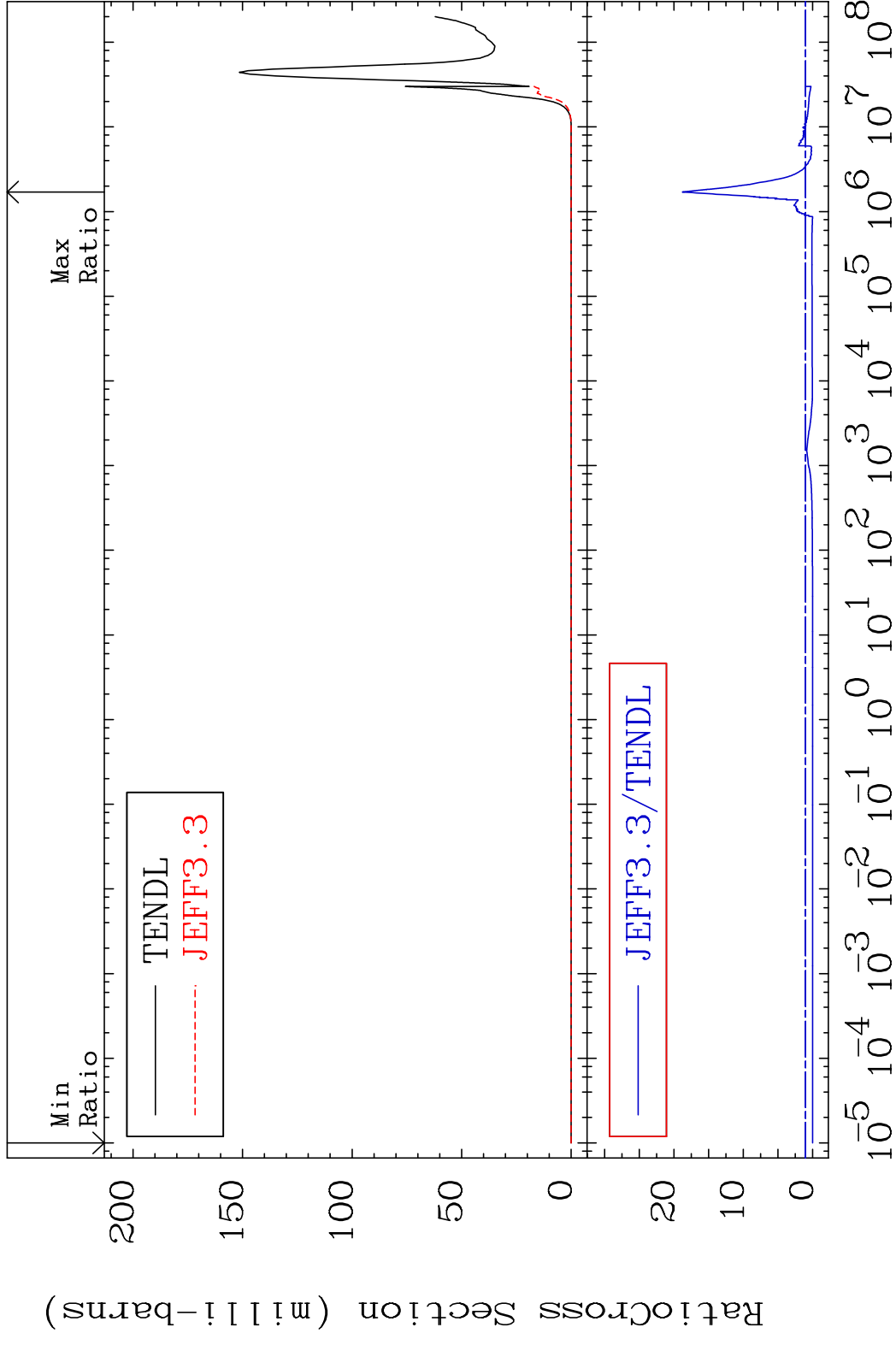
95-Am-241

MAT 9543

He-4 Production

95-Am-241

Cross Section -100.0 To 1779. %



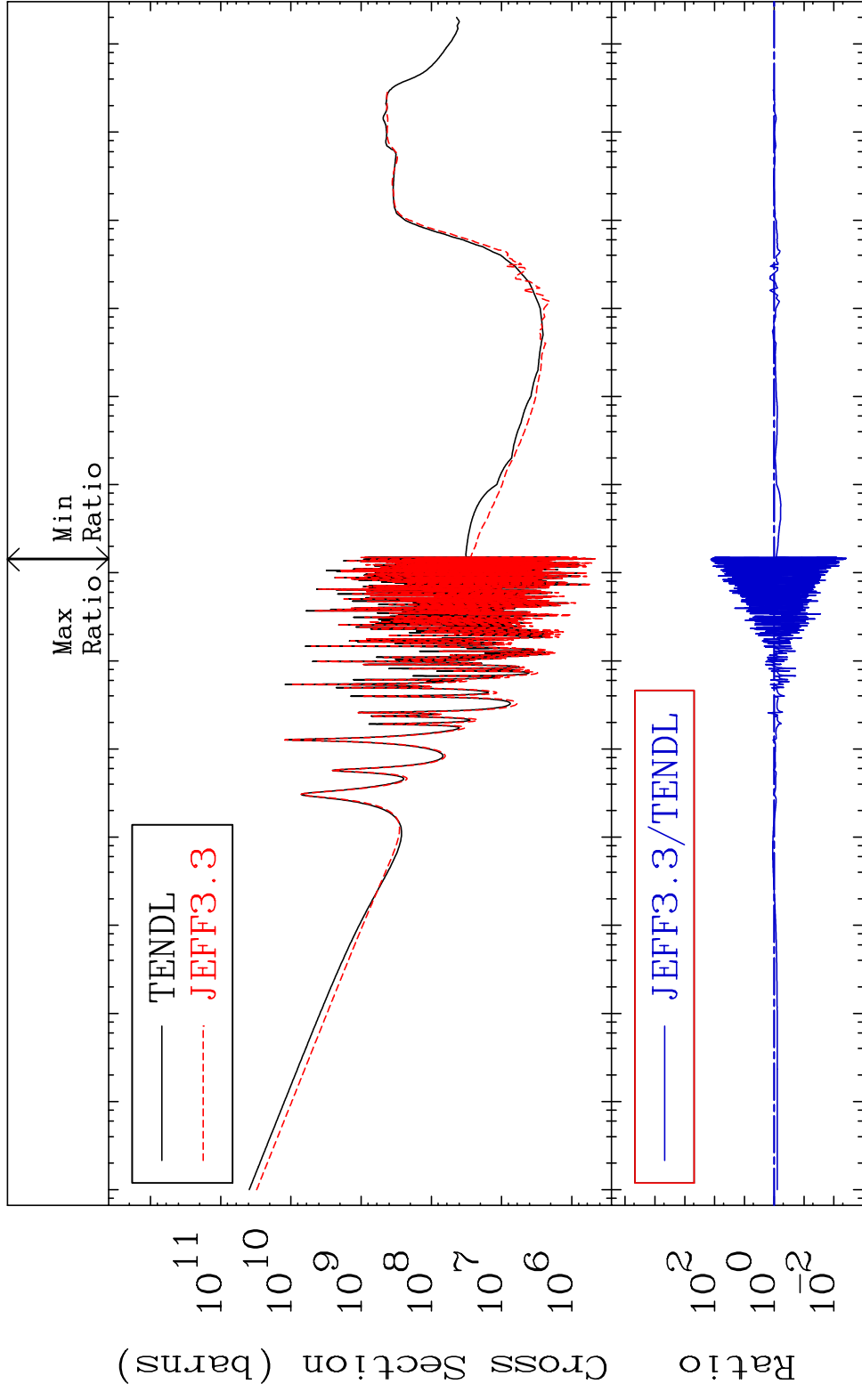
50

Incident Energy (eV)

95-Am-241

MAT 9543

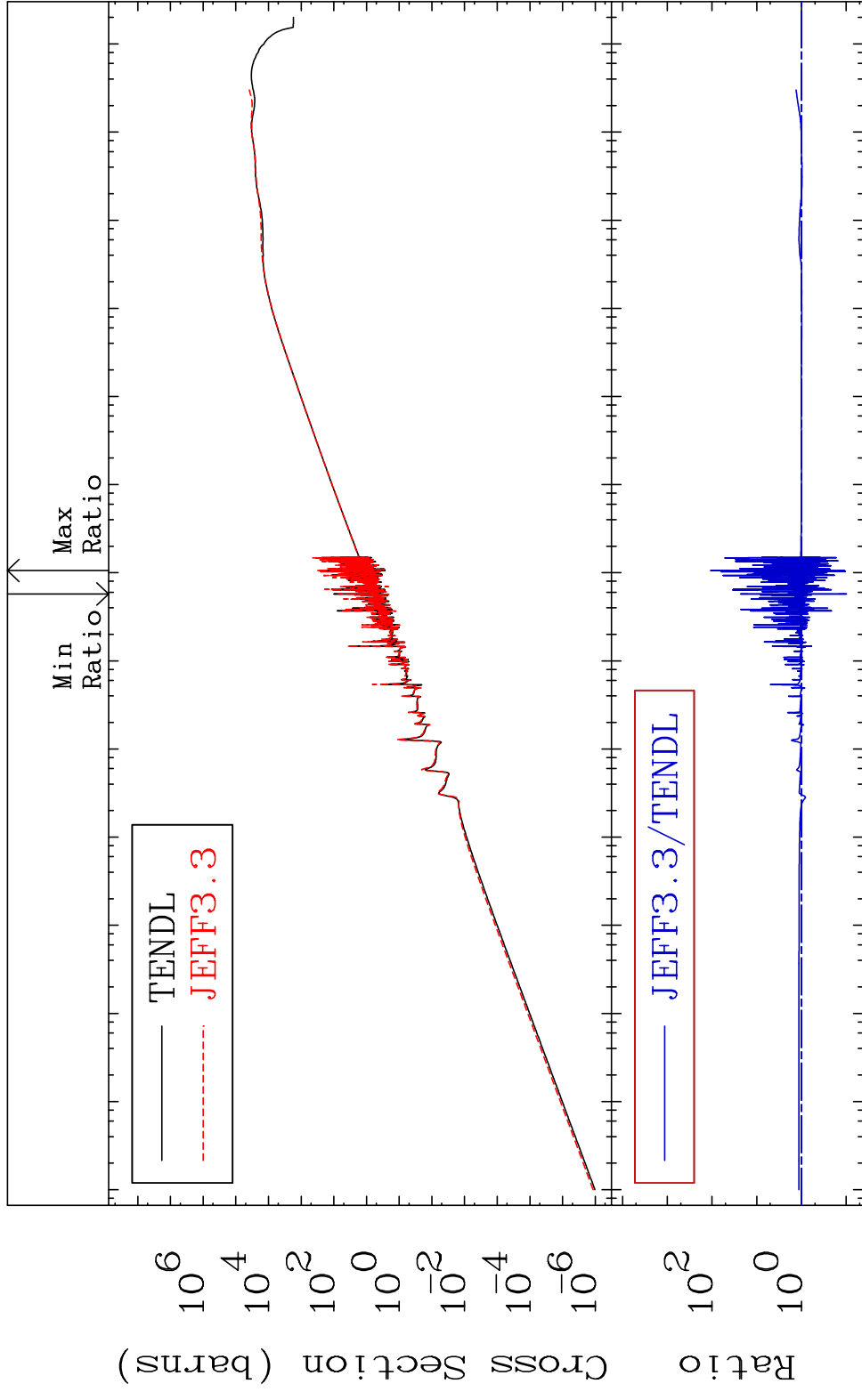
Kerma total (eV-barns) 95-Am-241
Cross Section -99.62 To 9999. %



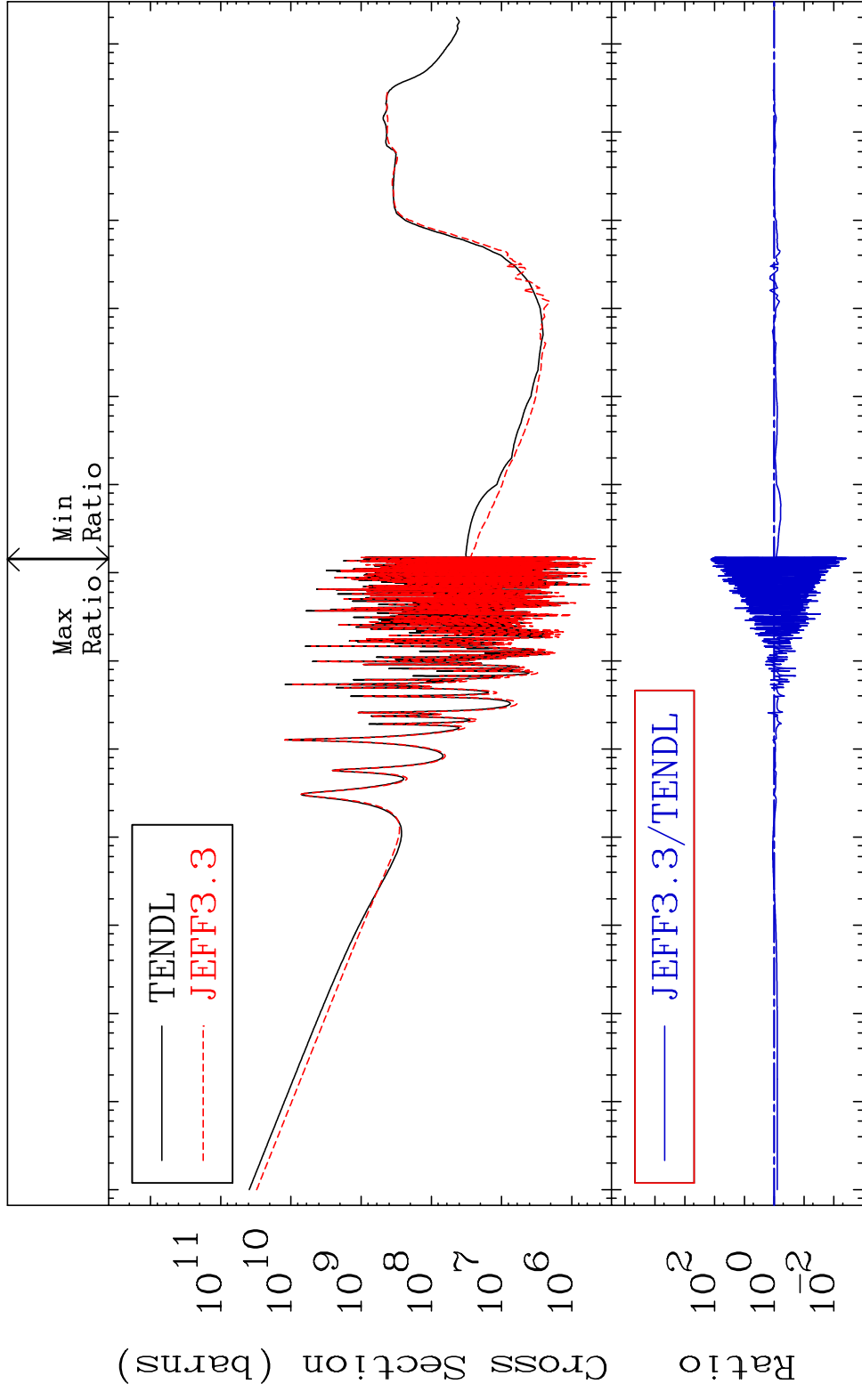
MAT 9543

Kerma elastic
Cross Section -90.06 To 9999. %

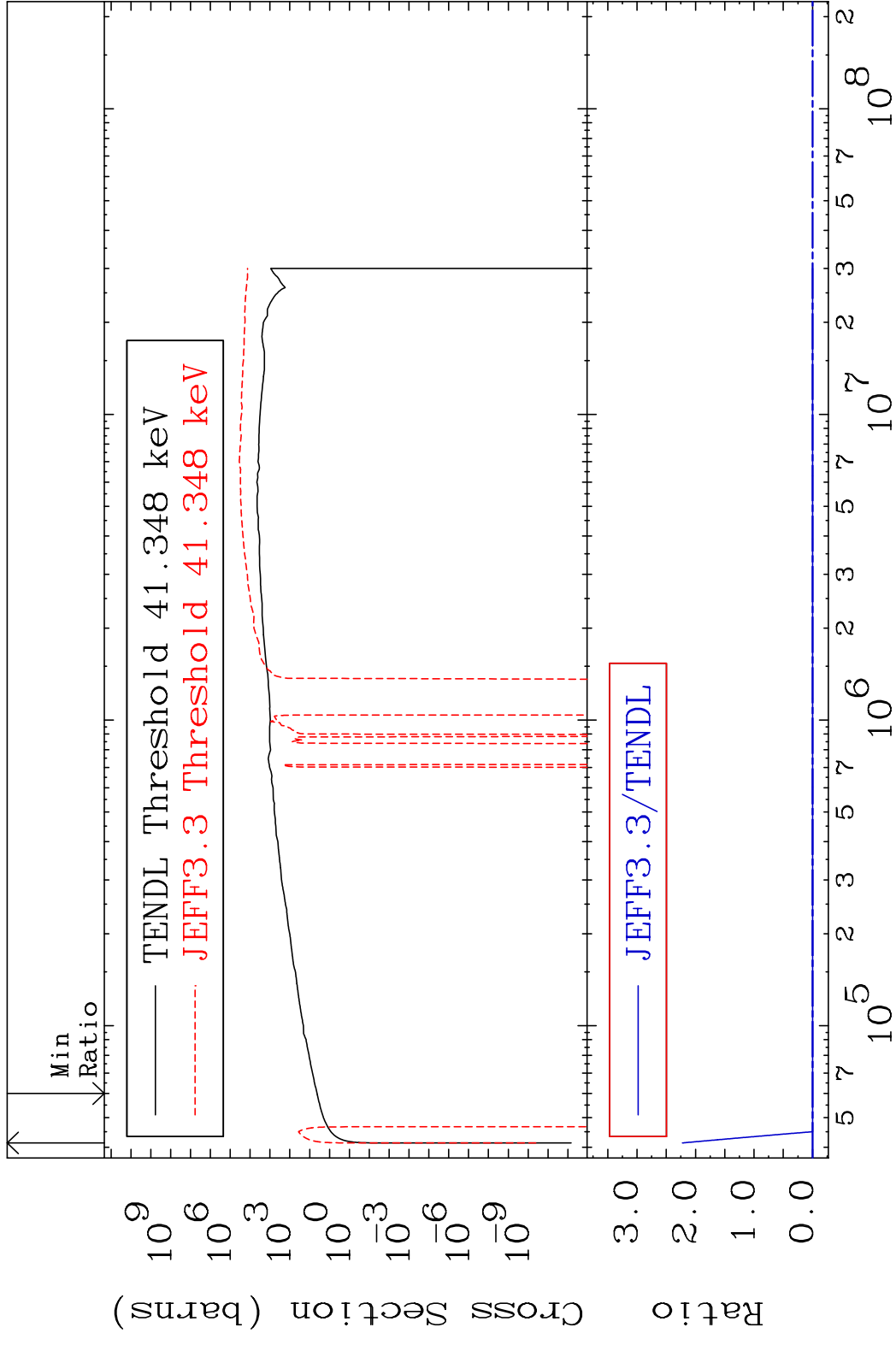
95-Am-241



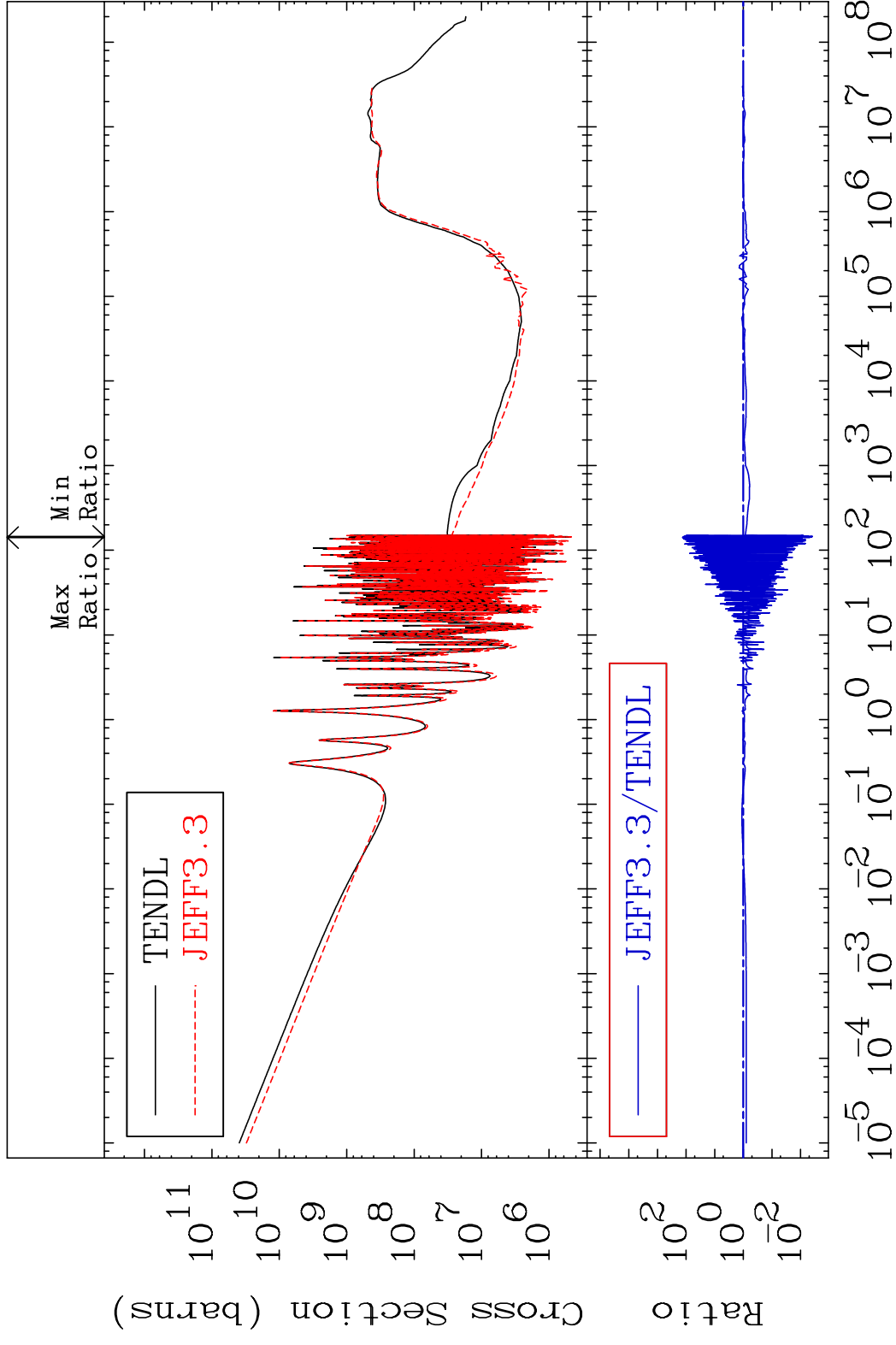
MAT 9543 Kerma non-elastic (all but mt2) 95-Am-241
 Cross Section -99.62 To 9999. %



MAT 9543 Kerma inelastic (mt51-91) 95-Am-241
 Cross Section -8025. To 9999. %

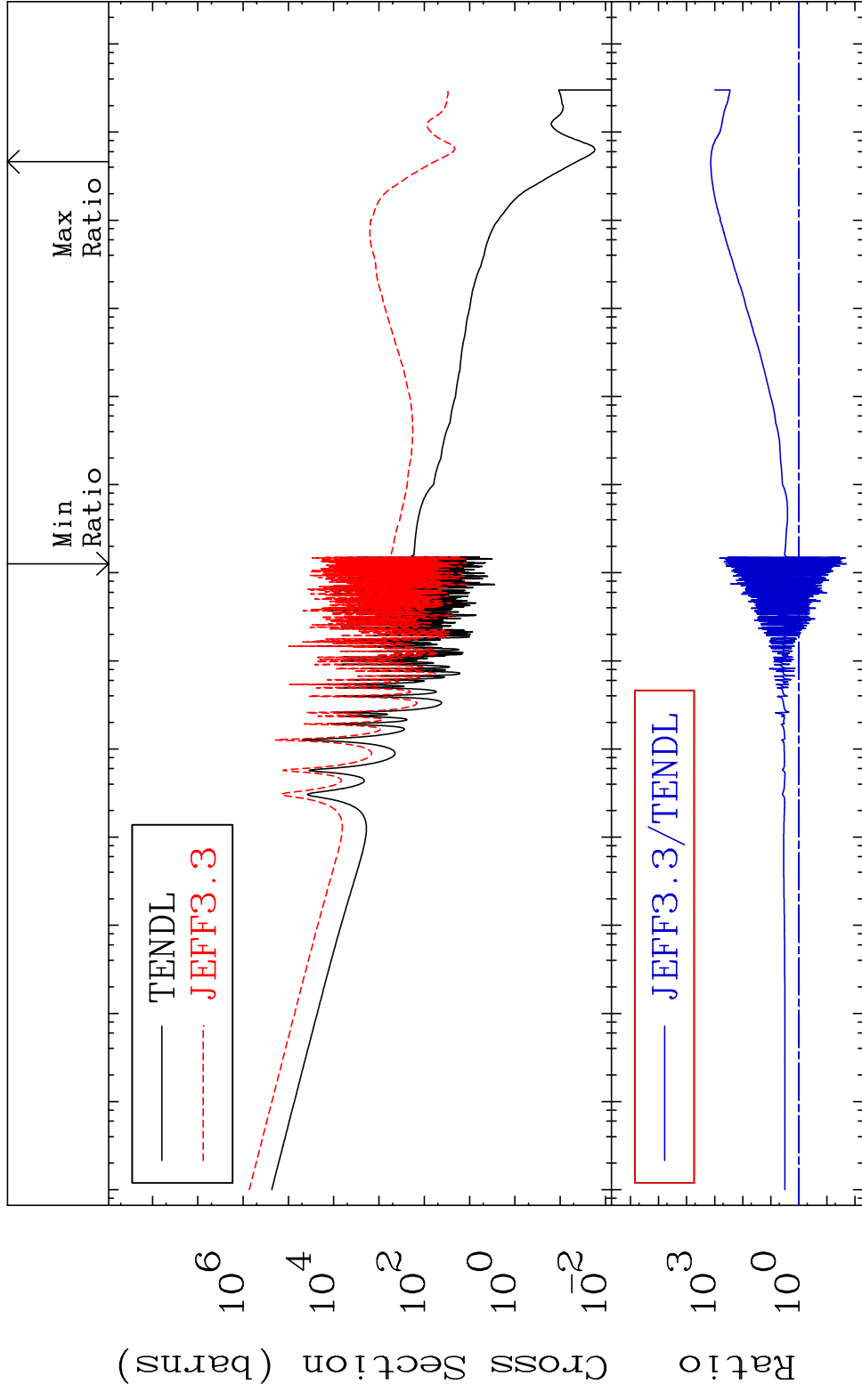


MAT 9543 Kerma fission (mt18 or mt19-20-21-38) 95-Am-241
 Cross Section -99.62 To 9999. %



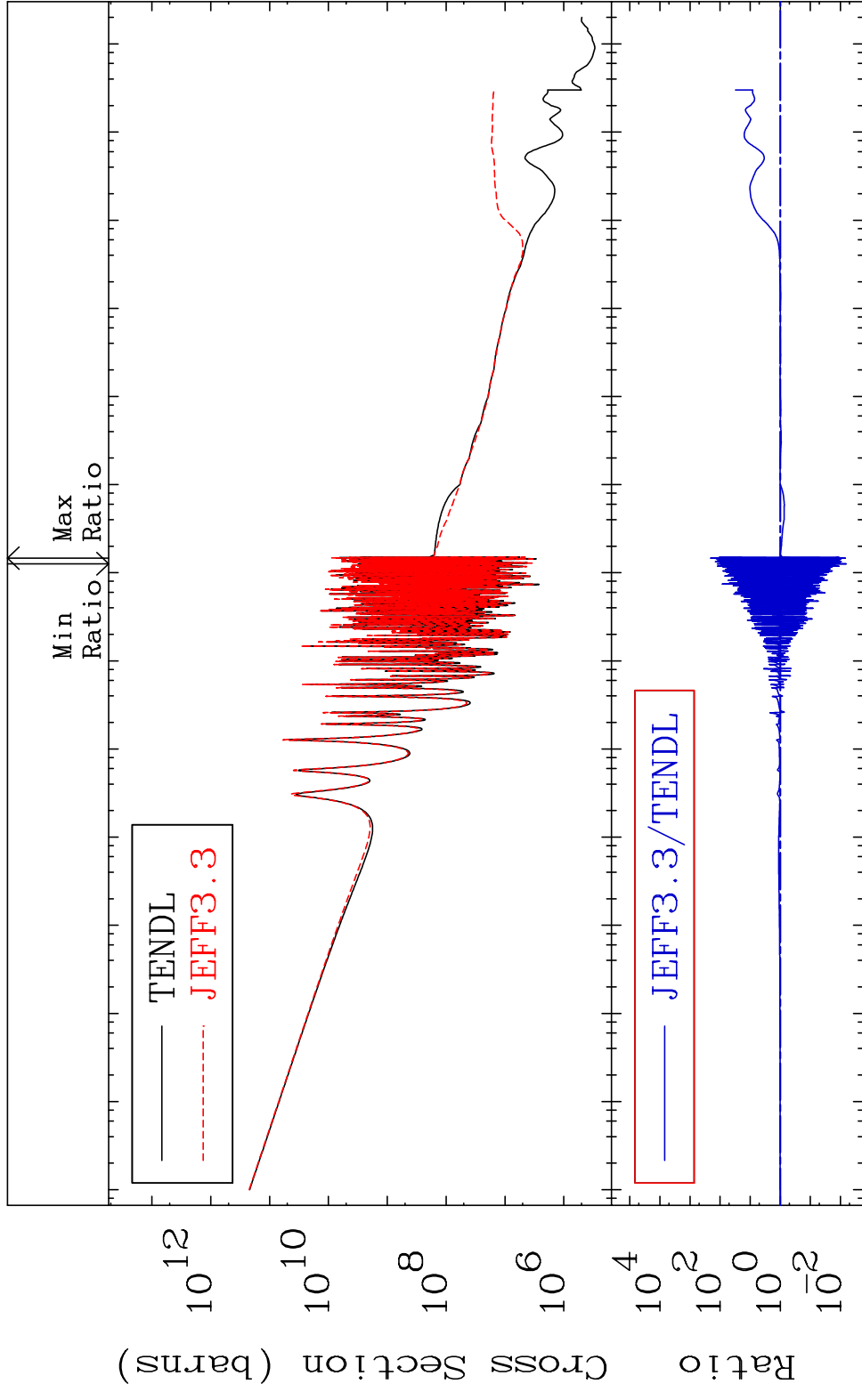
MAT 9543

Kerma capture (mt102) 95-Am-241
Cross Section -97.98 To 9999. %

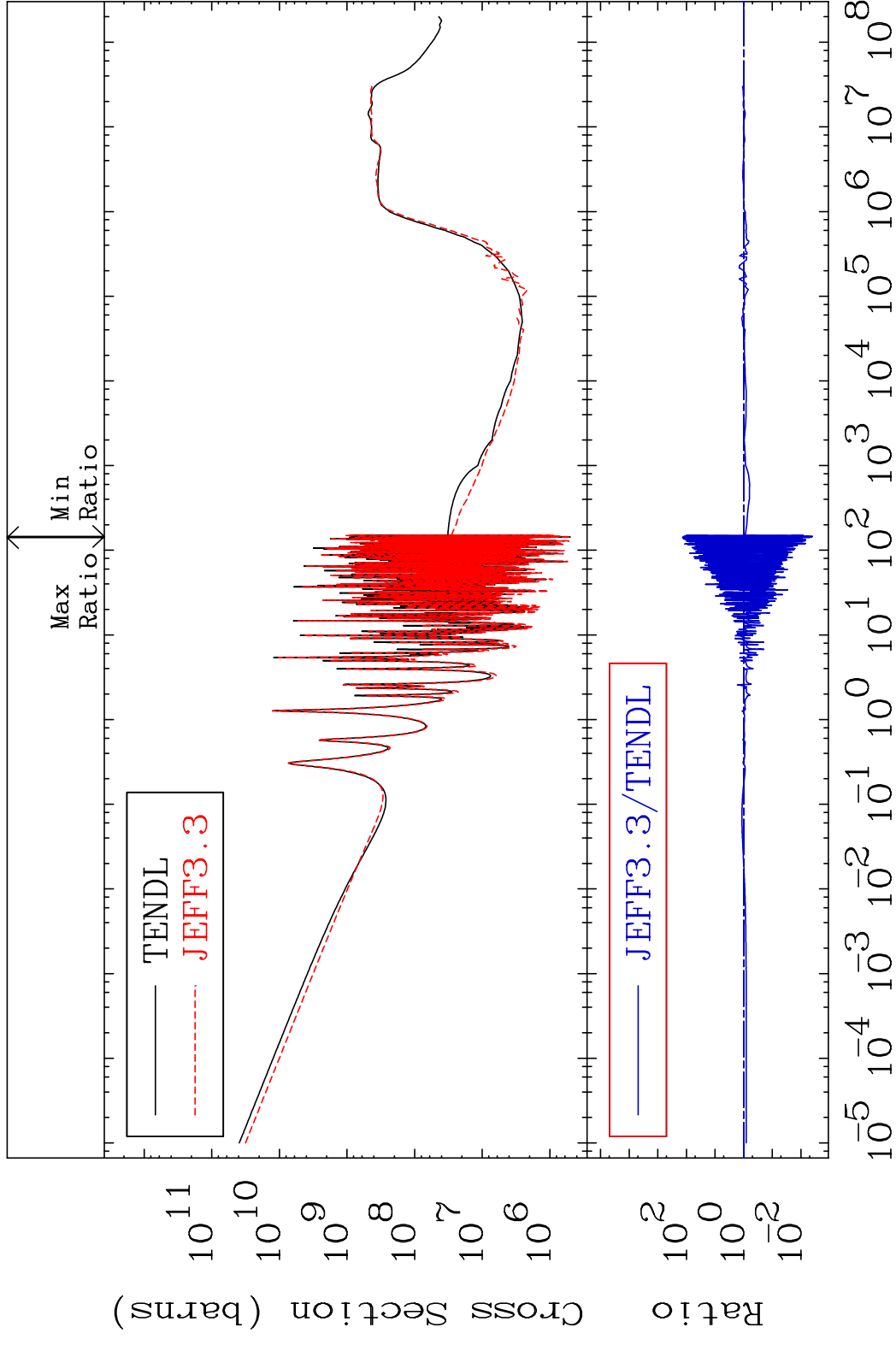


Ratio
Cross Section (barns)
Incident Energy (eV)

MAT 9543 Total photon (eV-barns) 95-Am-241
 Cross Section -99.36 To 9999. %



MAT 9543 Total kinematic kerma (high limit) 95-Am-241
 Cross Section -99.61 To 9999. %

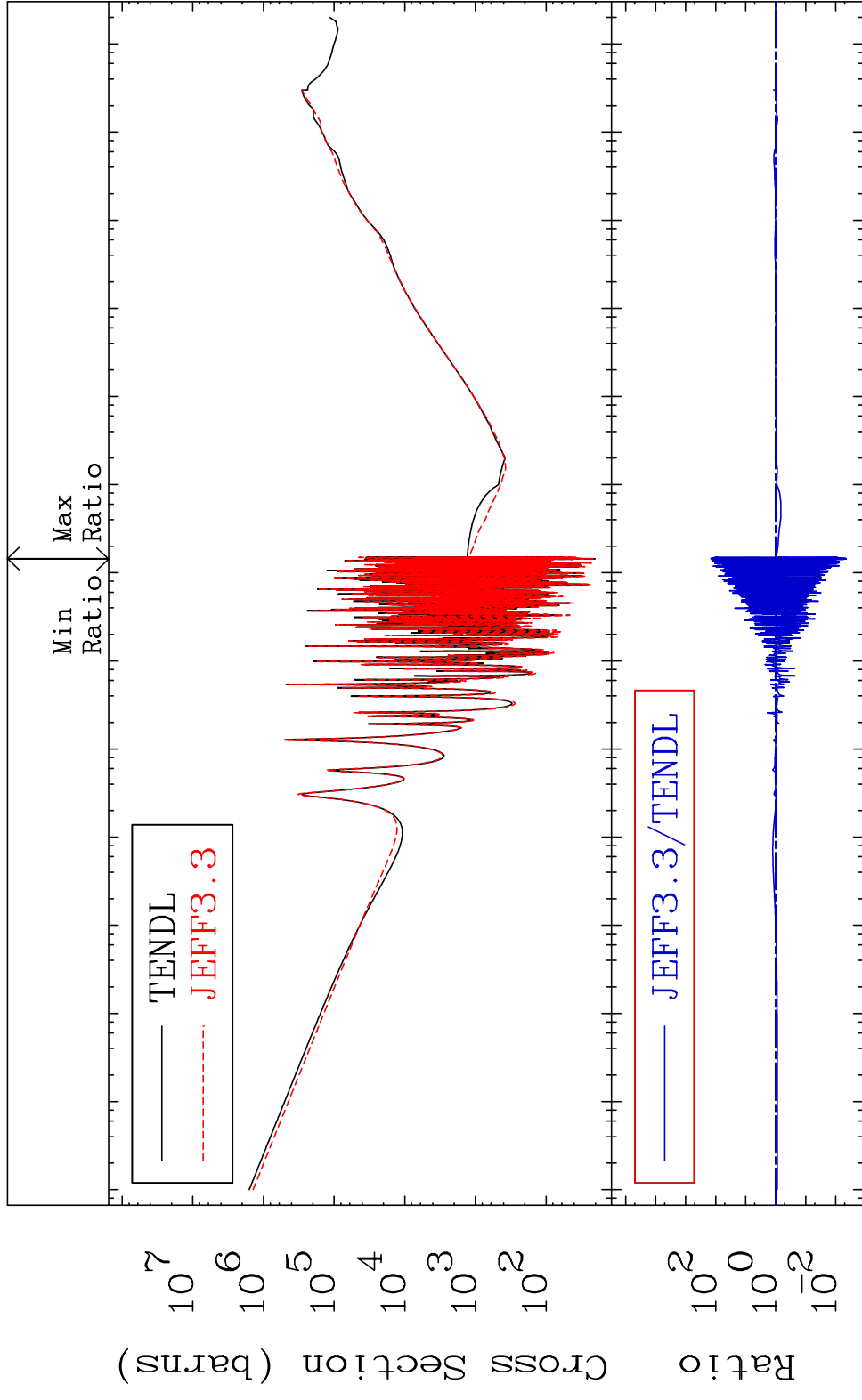


MAT 9543

Dpa total (eV-barns)

95-Am-241

Cross Section -99.56 To 9999. %



59

Incident Energy (eV)

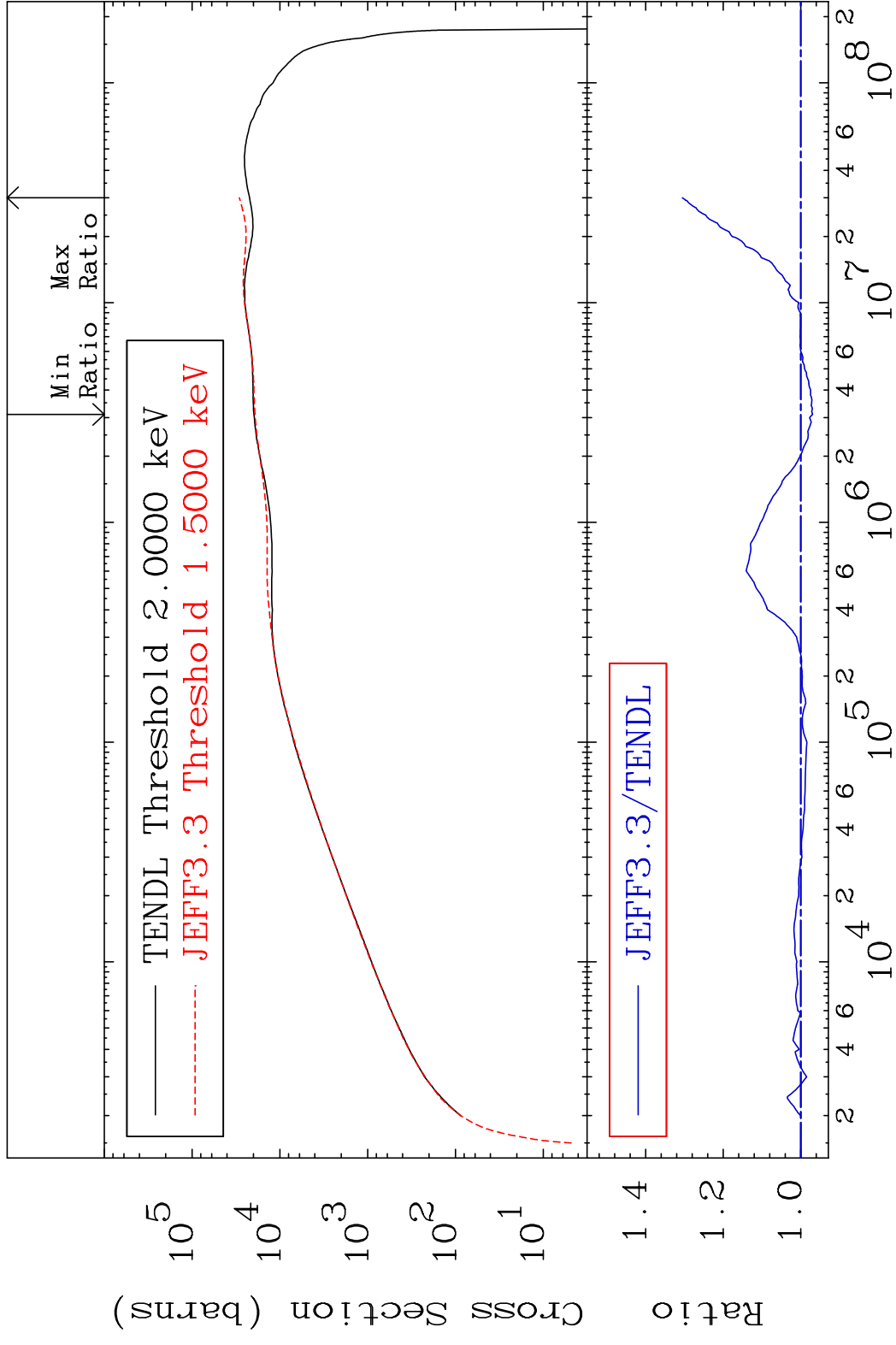
95-Am-241

MAT 9543

Dpa elastic (mt2)

95-Am-241

Cross Section -3.043 To 30.54 %

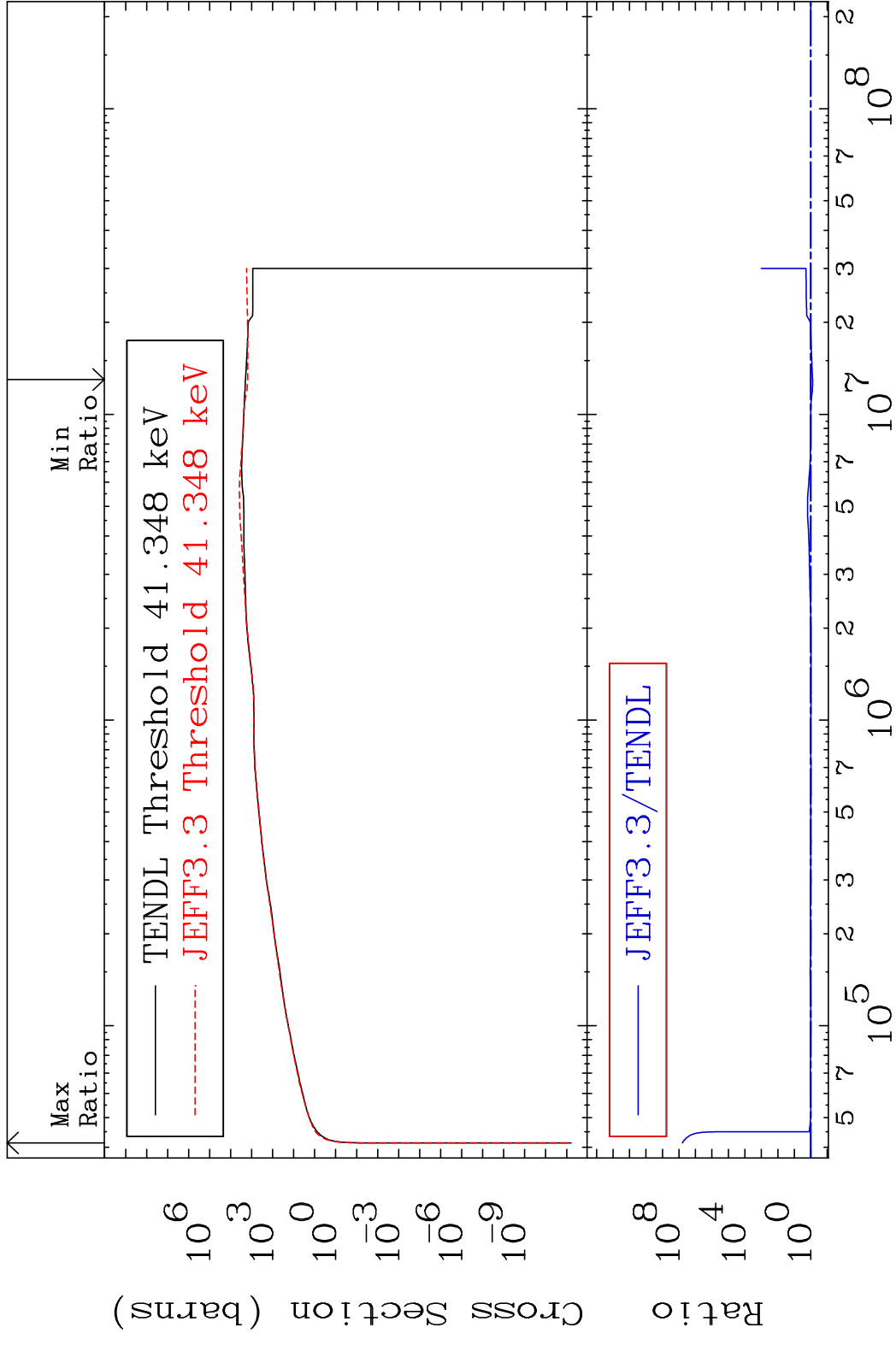


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Incident Energy (eV)

95-Am-241

MAT 9543 Dpa inelastic (mt51-91) 95-Am-241
 Cross Section -21.92 To 9999. %



MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
 Cross Section -98.30 To 9999. %

