

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

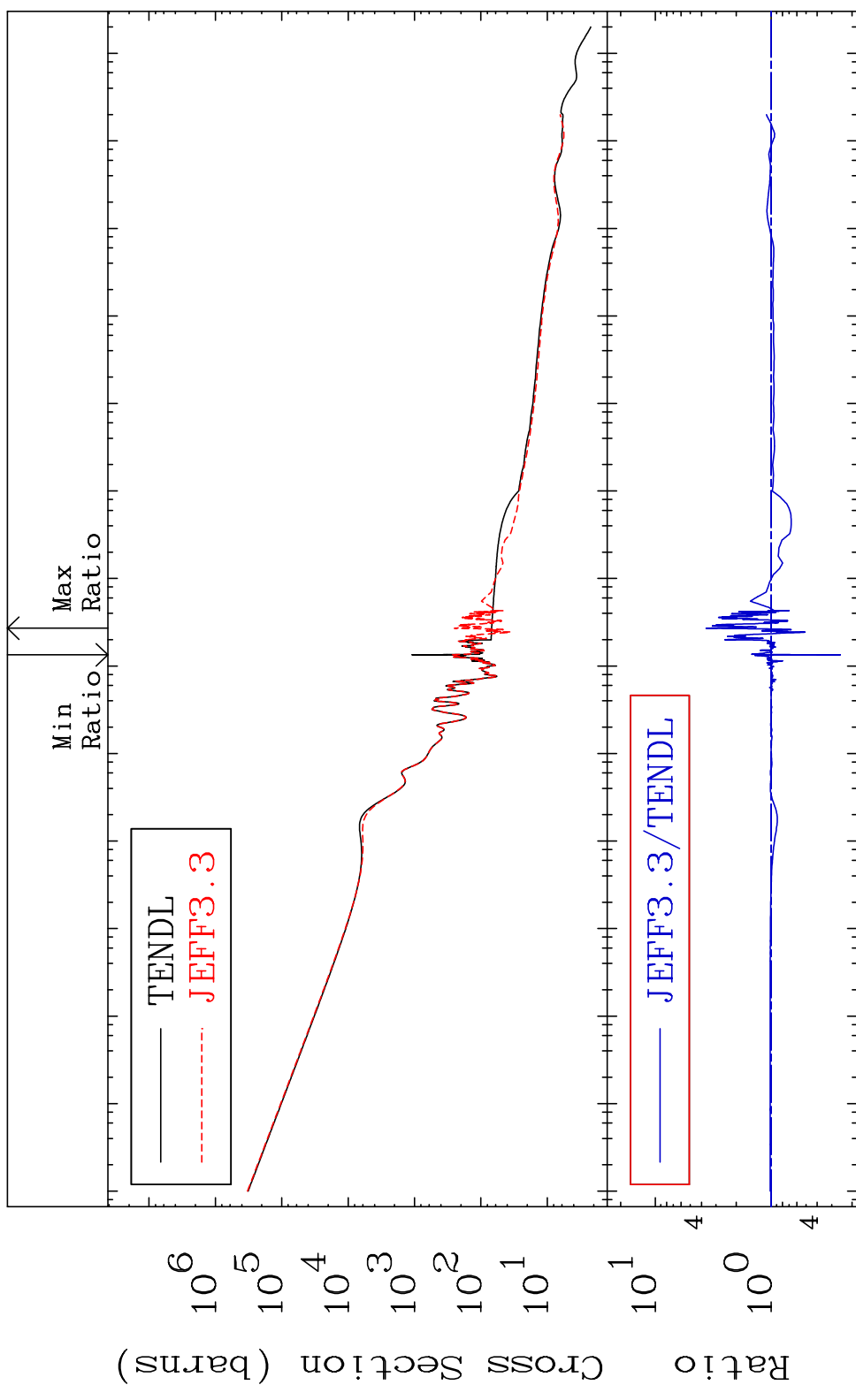
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9547

Total Cross Section -74.78 To 267.2 %
95-Am-242m



Incident Energy (eV) 10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

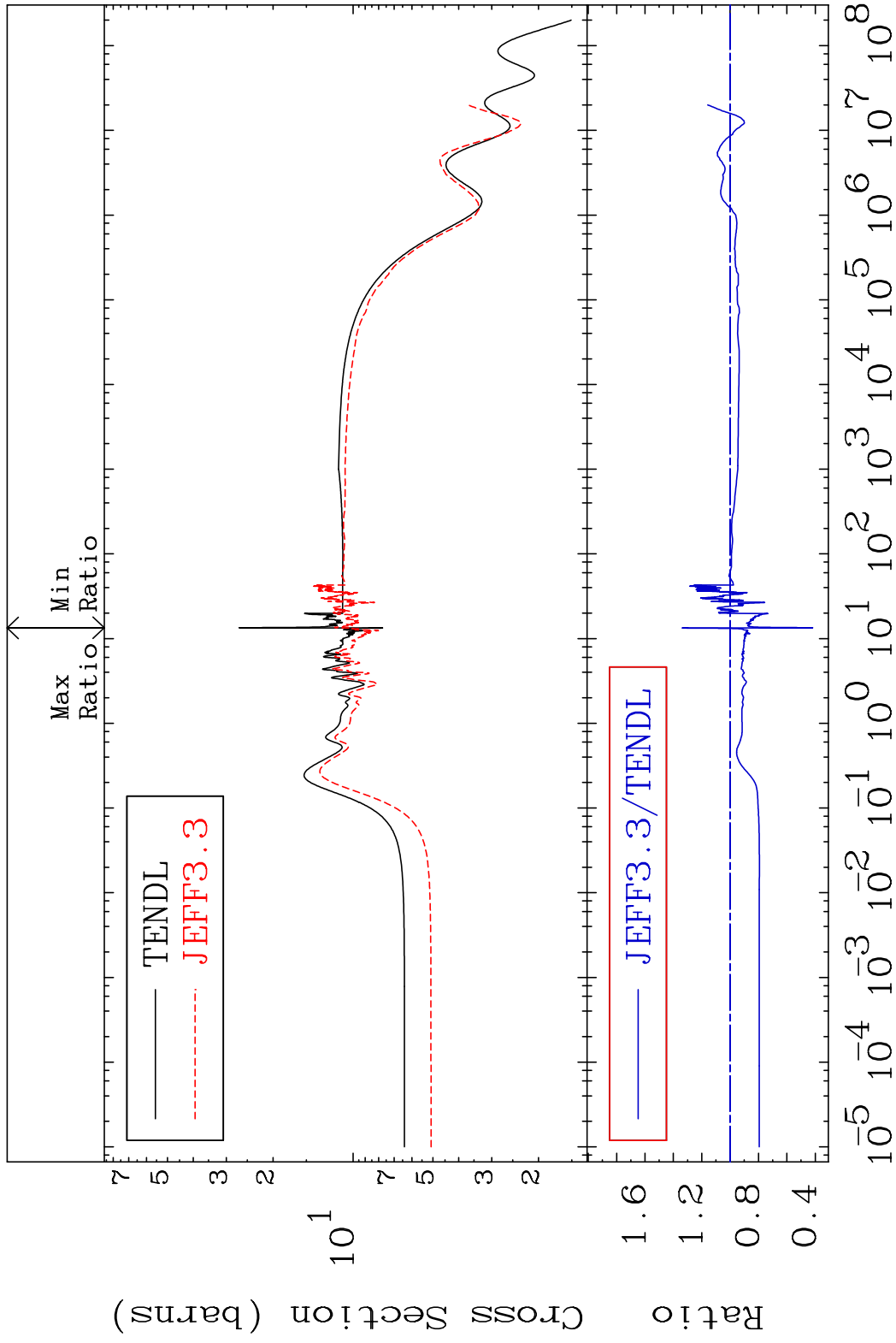
1 95-Am-242m

MAT 9547

Elastic

95-Am-242m

Cross Section -58.11 To 33.66 %



2

Incident Energy (eV)

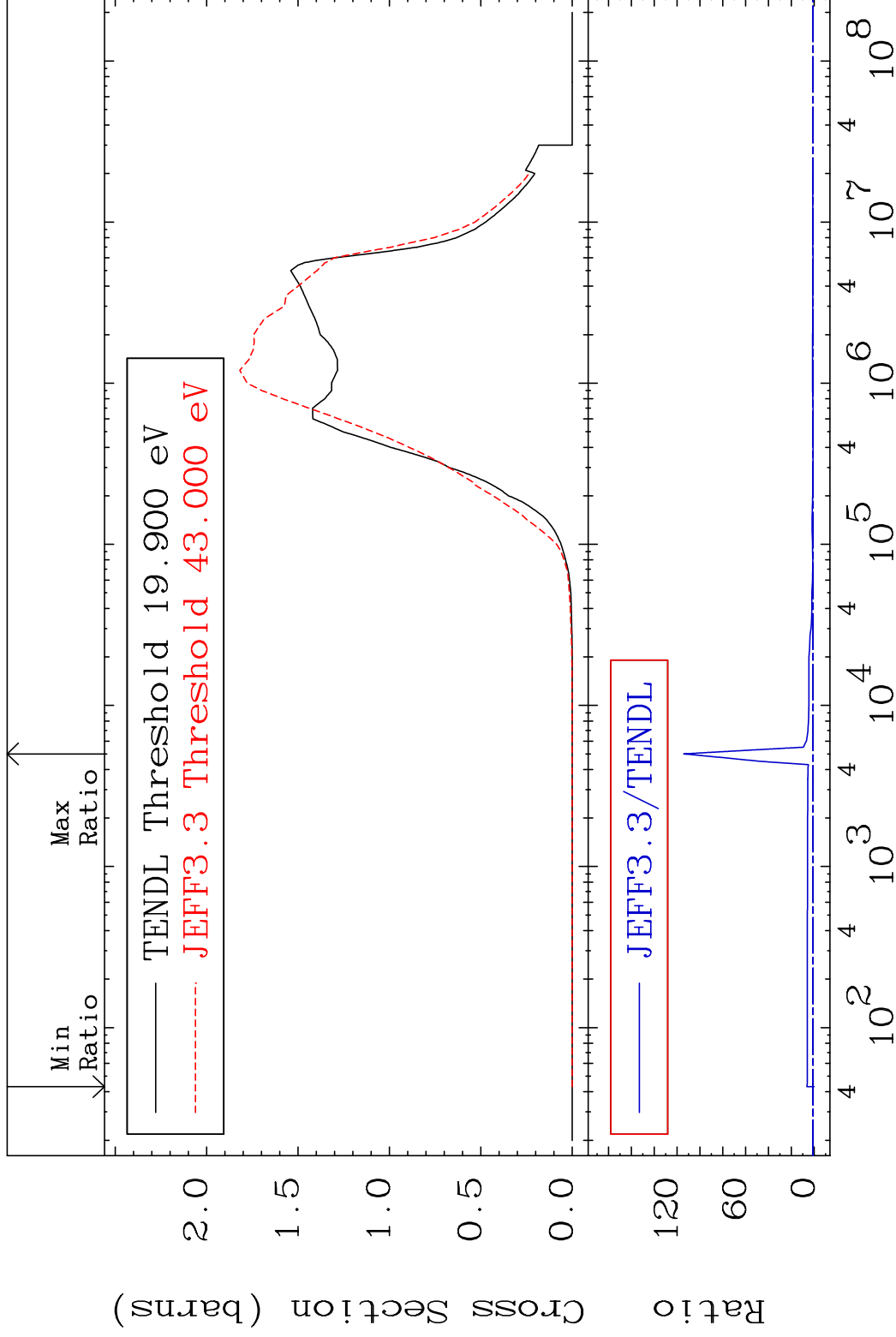
95-Am-242m

MAT 9547

Inelastic

95-Am-242m

Cross Section -100.0 To 9999. %



3

Incident Energy (eV)

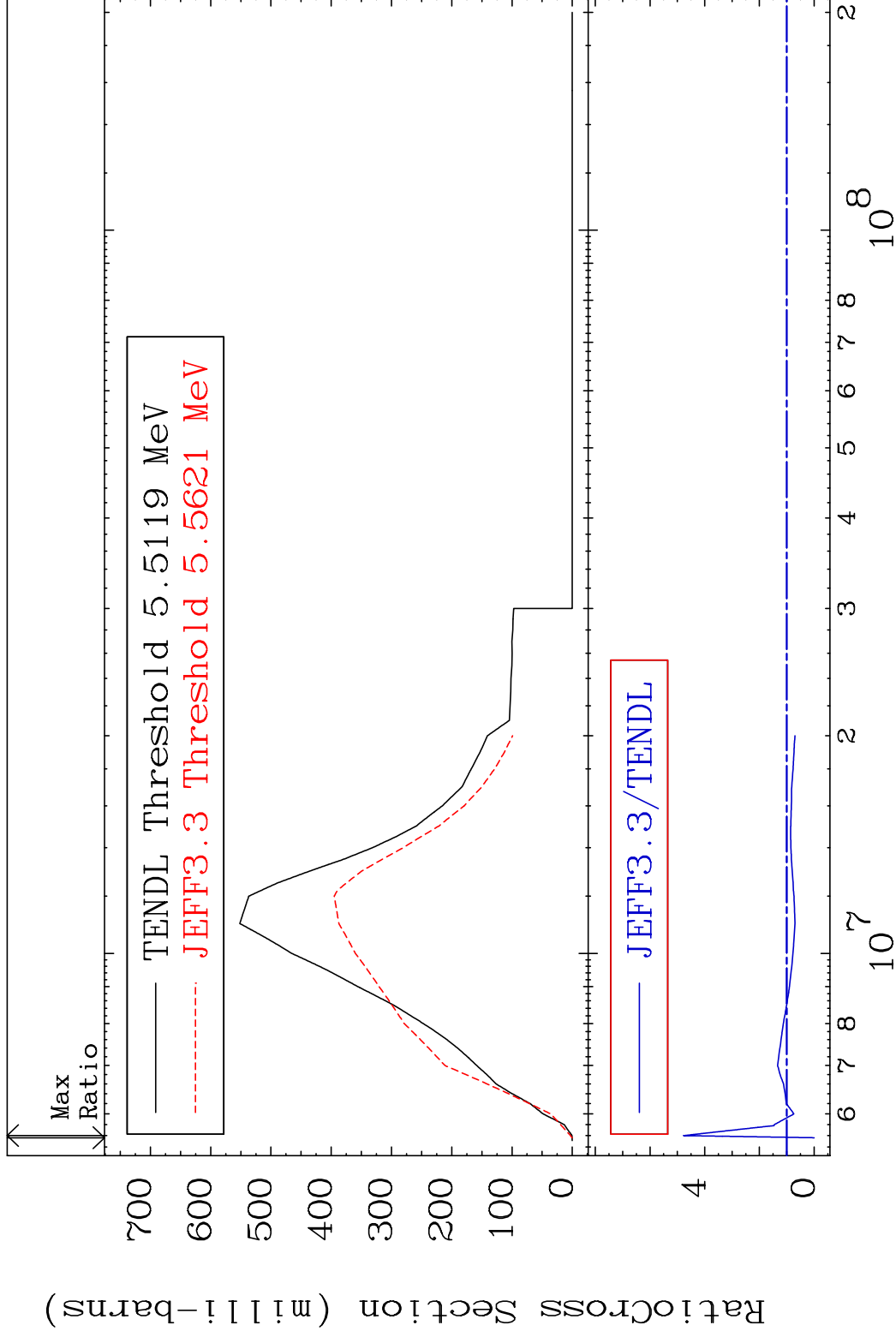
95-Am-242m

MAT 9547

(n,2n)

95-Am-242m

Cross Section -100.0 To 377.0 %



4

Incident Energy (eV)

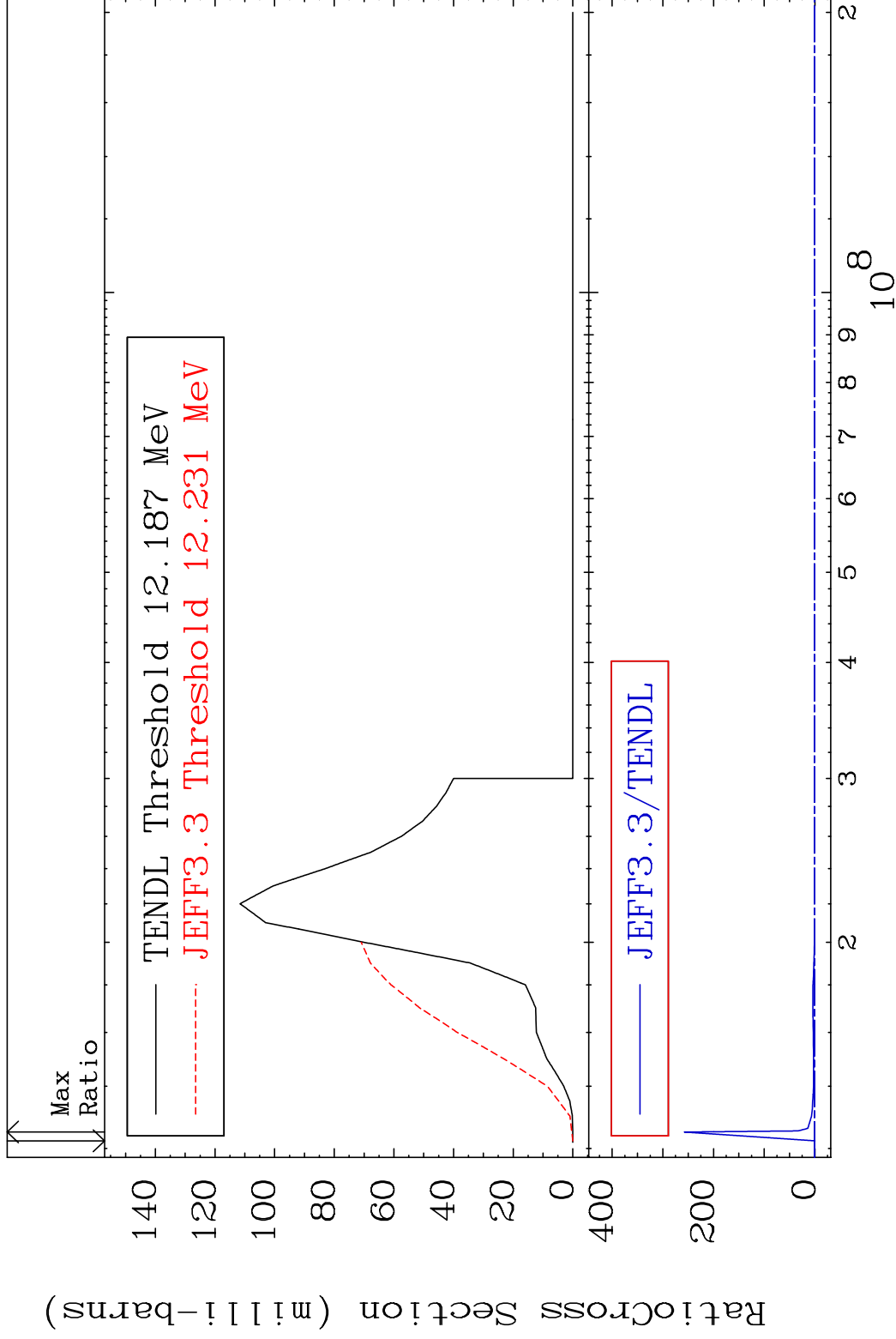
95-Am-242m

MAT 9547

(n,3n)

95-Am-242m

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

95-Am-242m

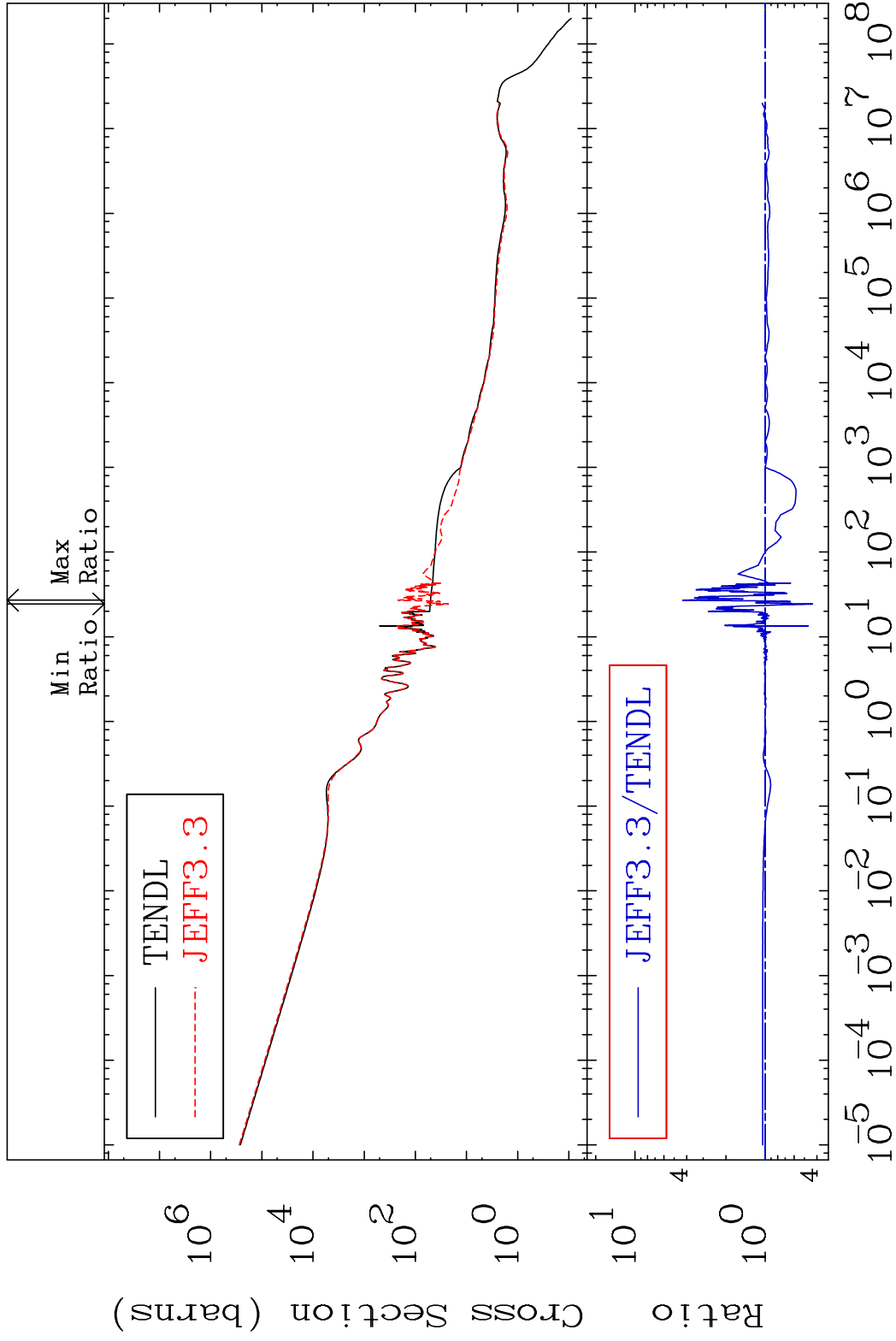
MAT 9547

Fission

95-Am-242m

Cross Section

-56.75 To 332.5 %

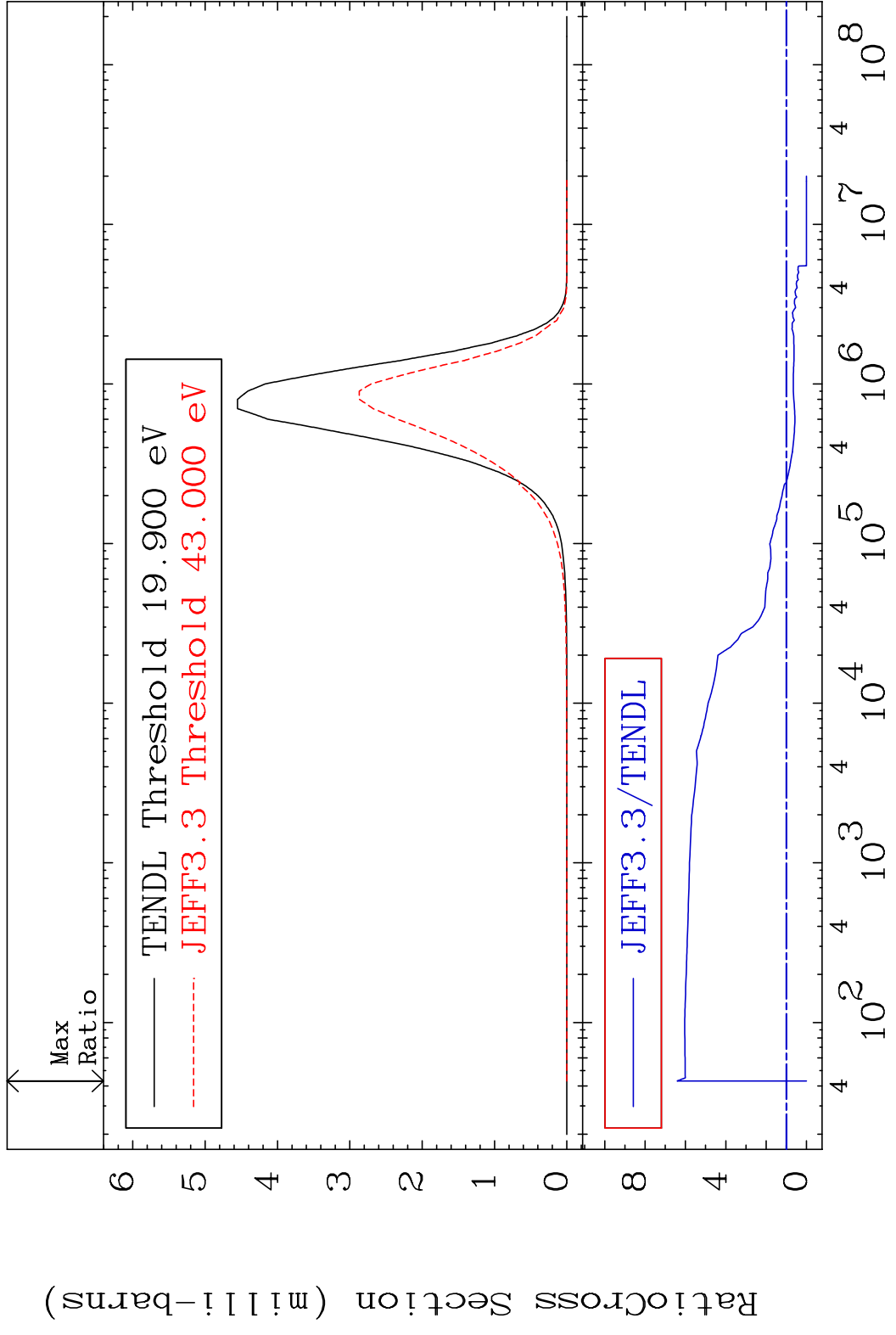


6

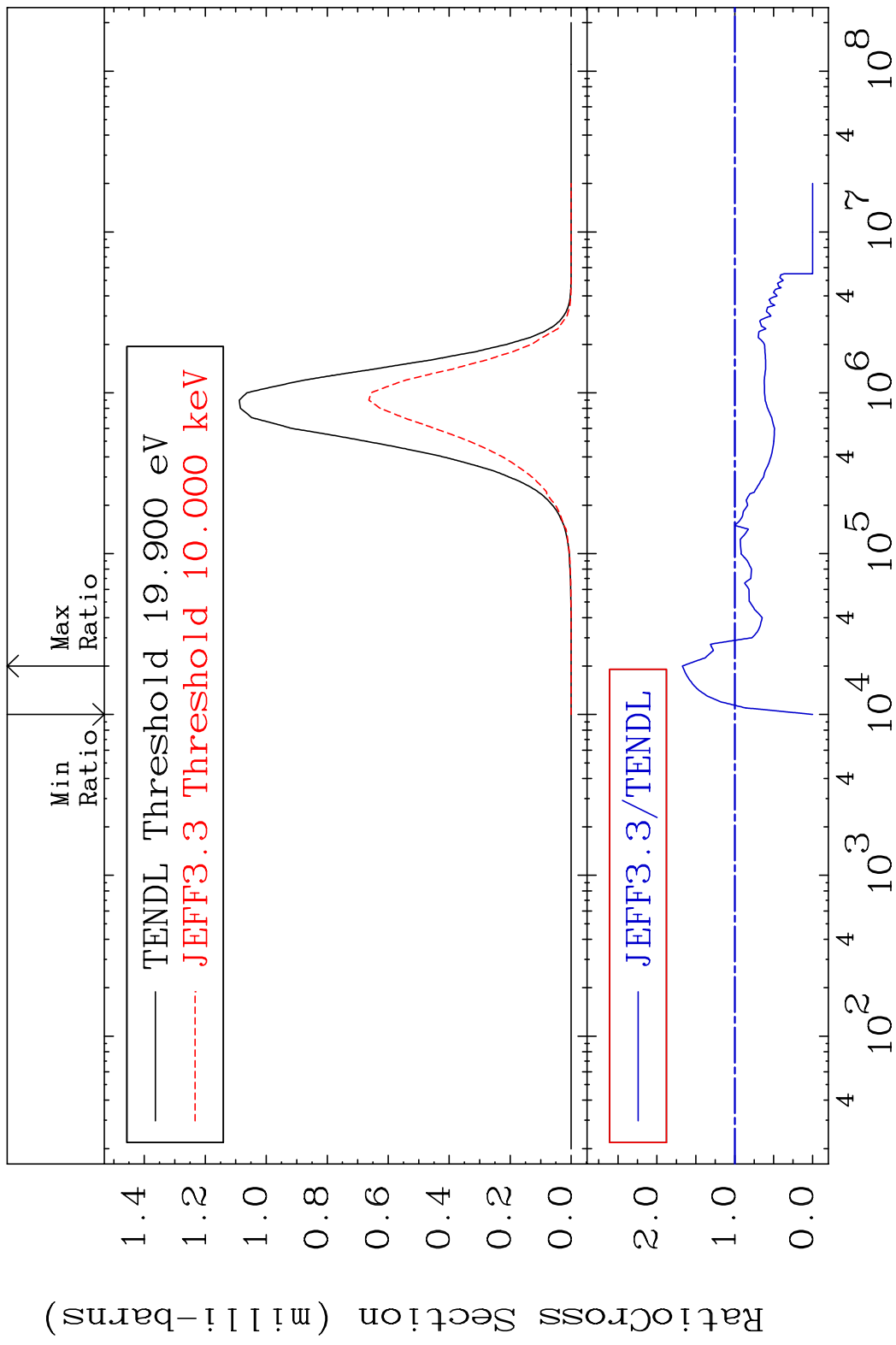
Incident Energy (eV)

95-Am-242m

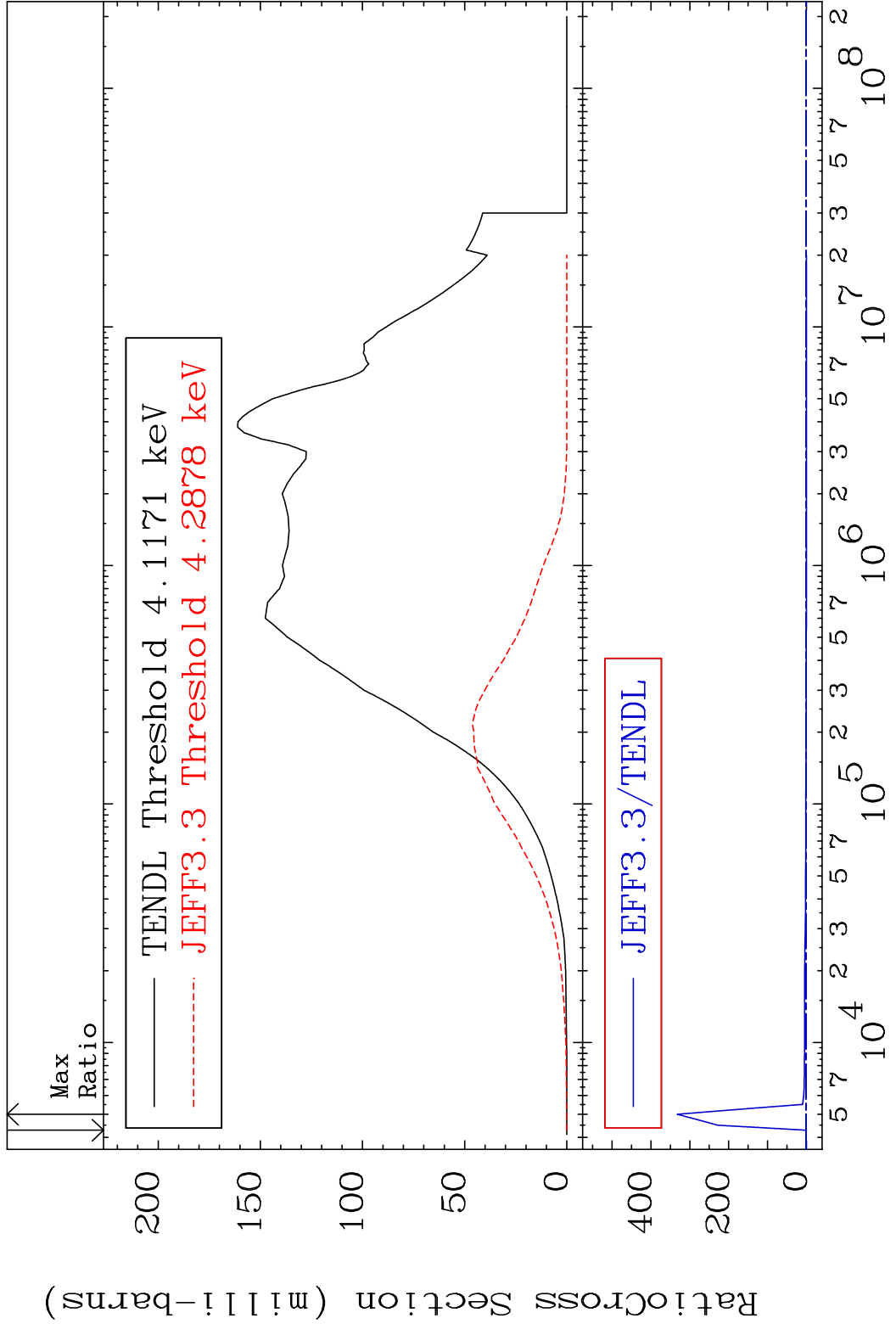
MAT 9547 MT= 51 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 541.0 %



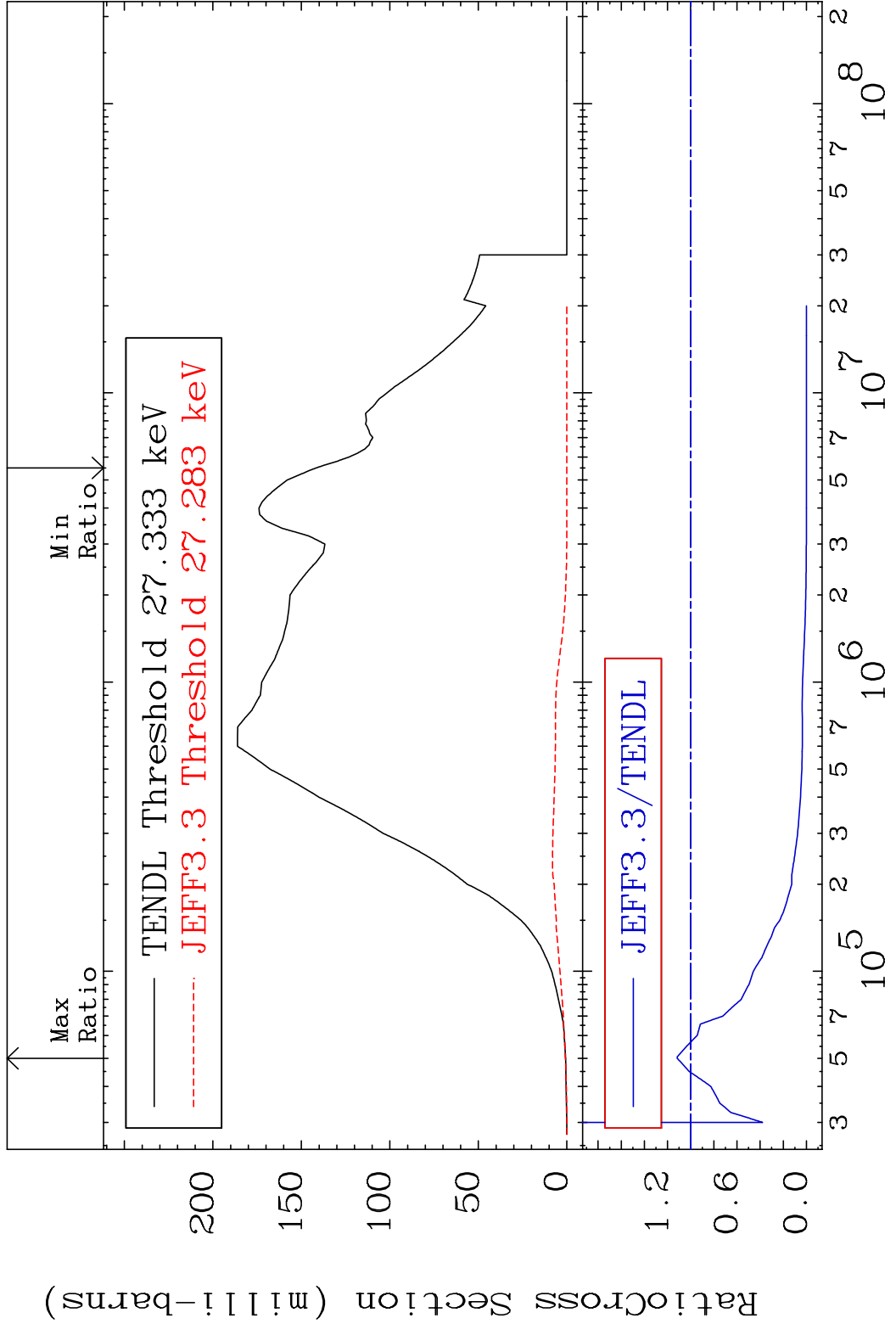
MAT 9547 MT= 52 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 67.35 %



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

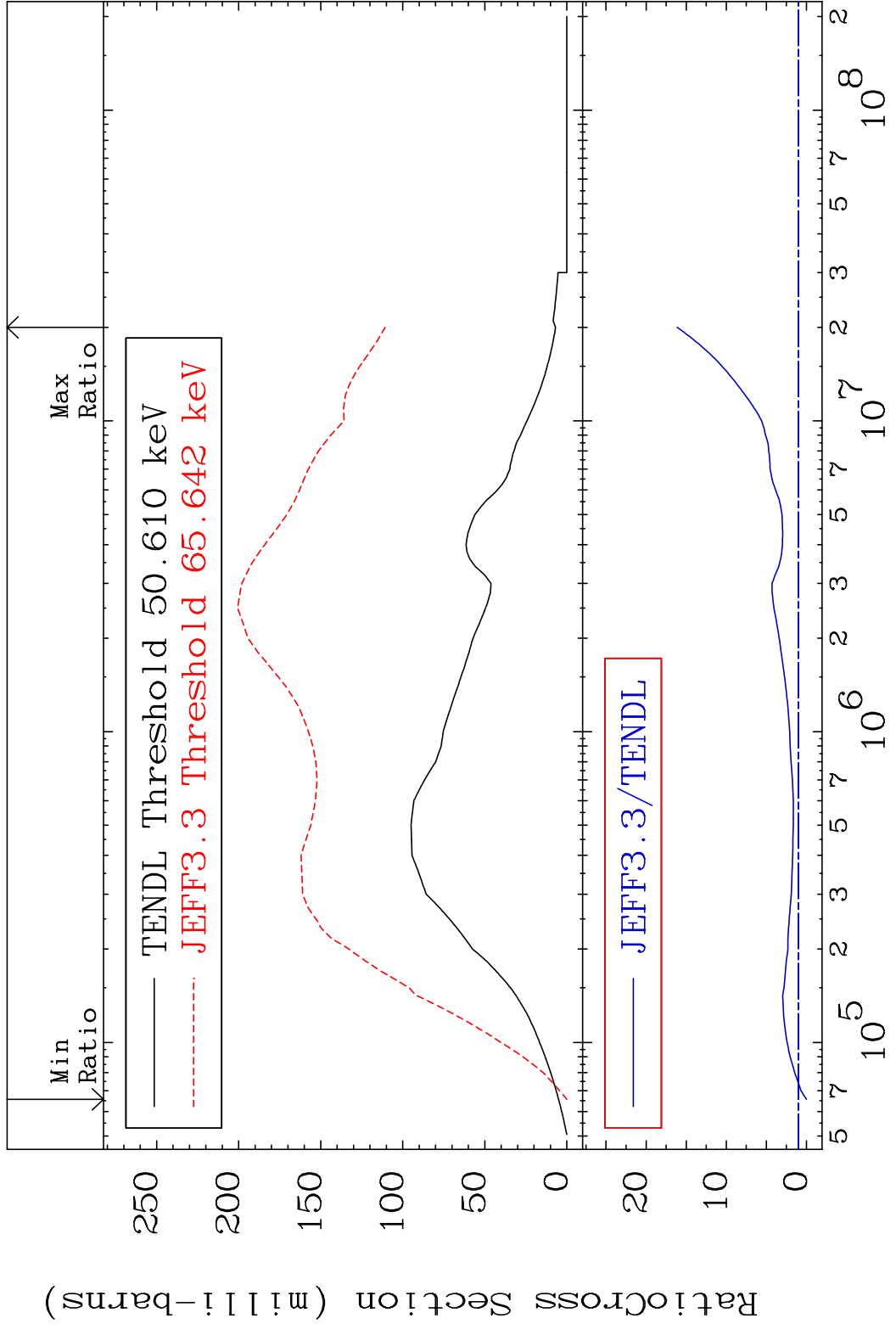


MAT 9547 MT= 54 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 11.66 %

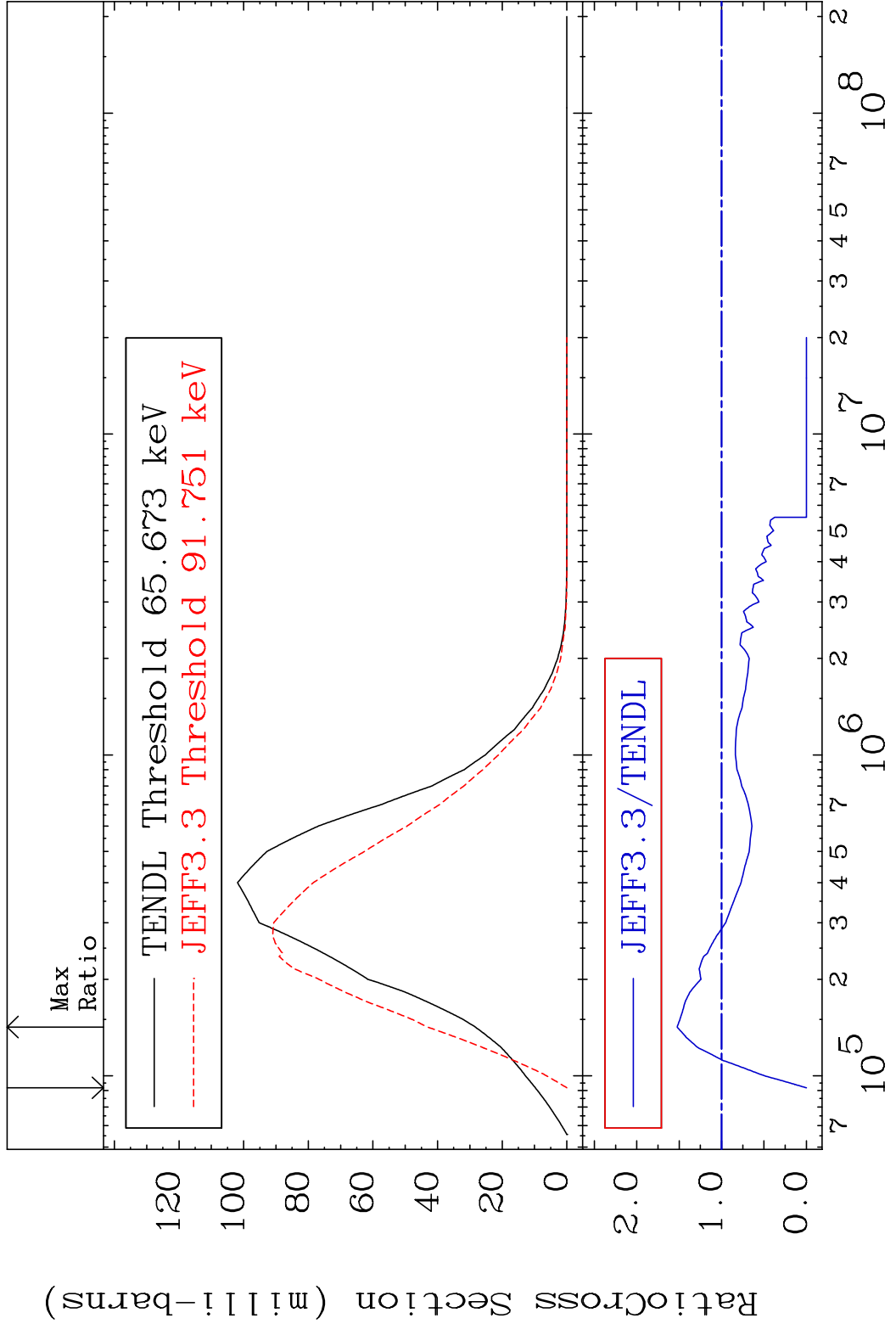


10 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 55 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 1512. %

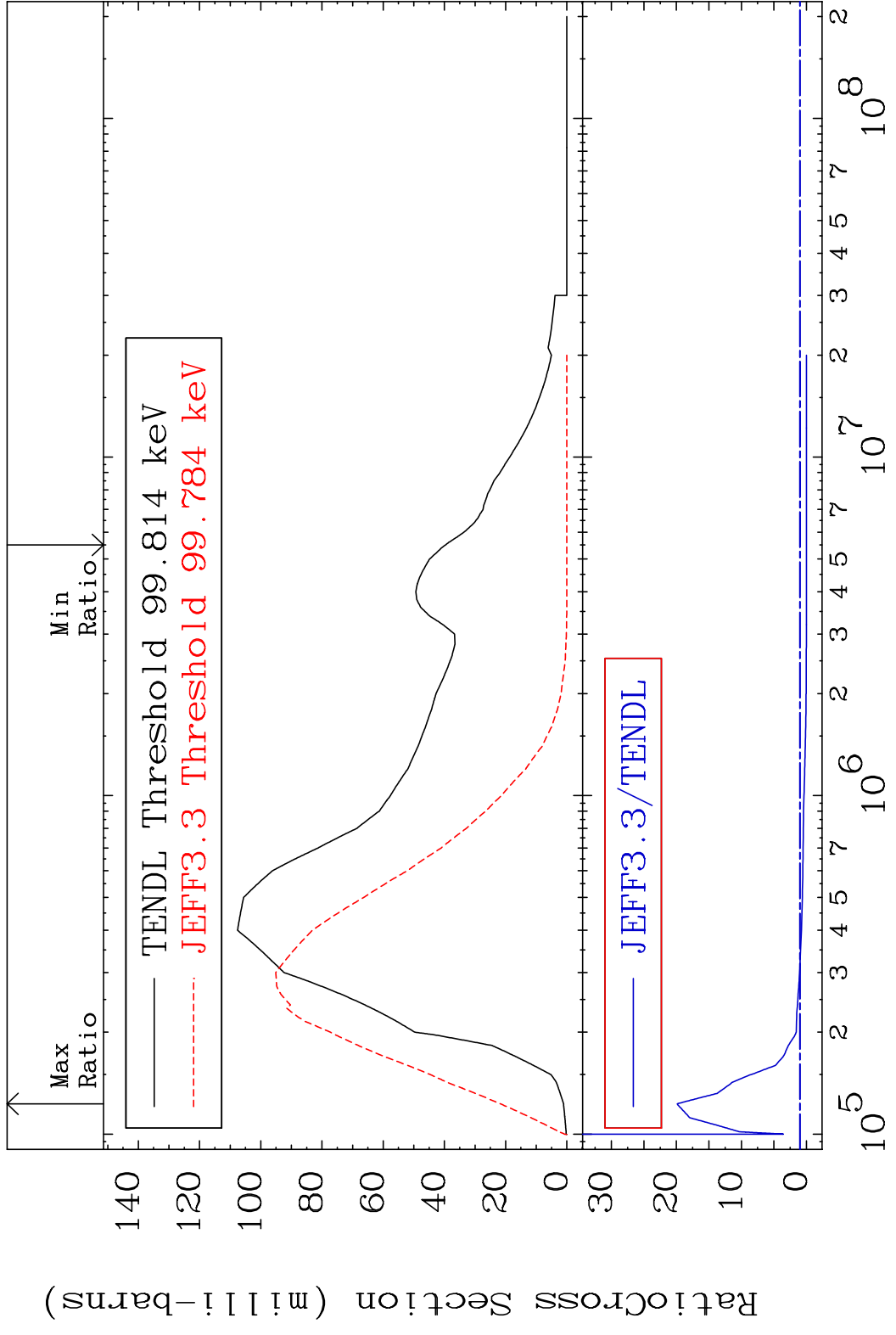


MAT 9547 MT= 56 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 52.38 %



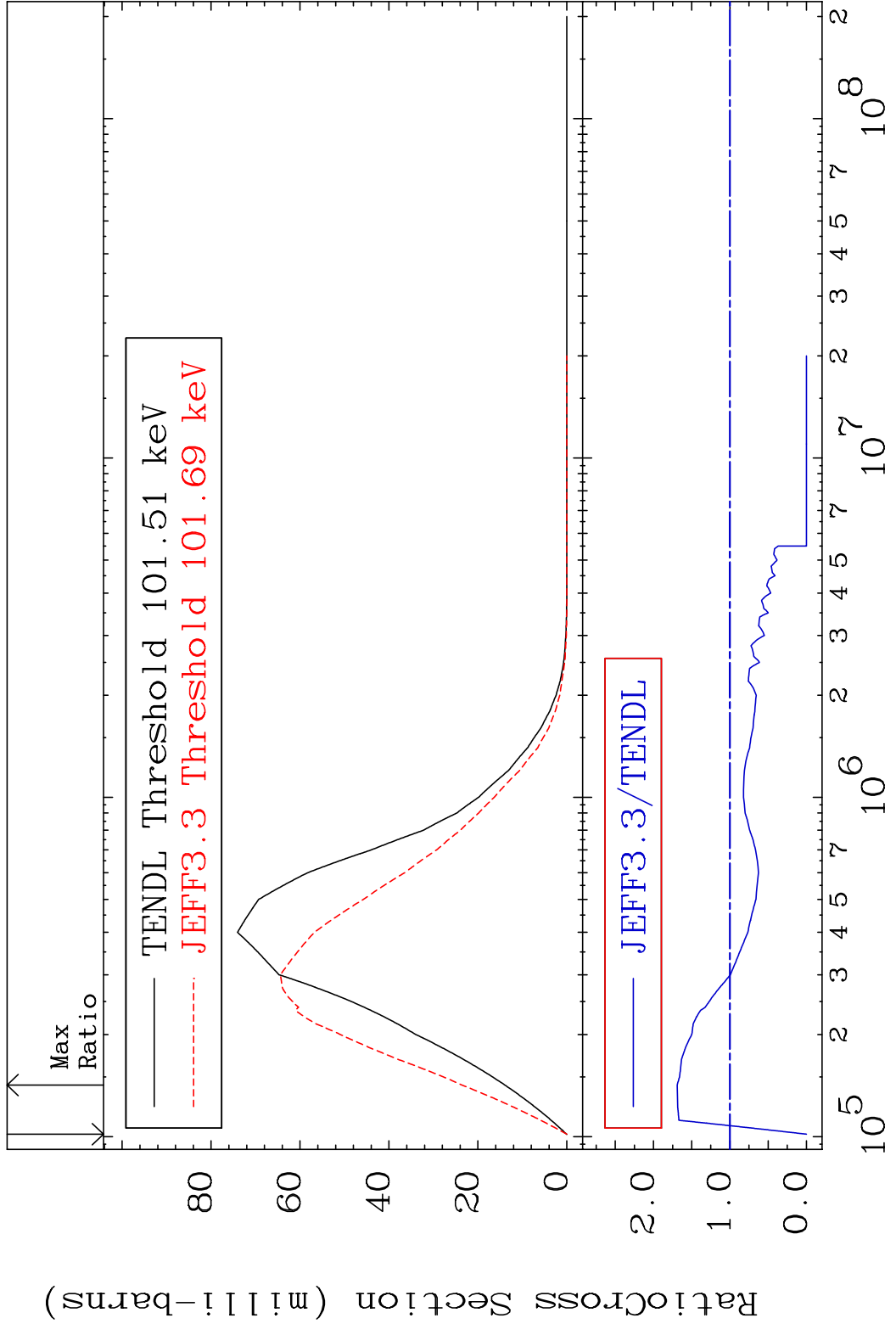
12 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 57 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 1888. %



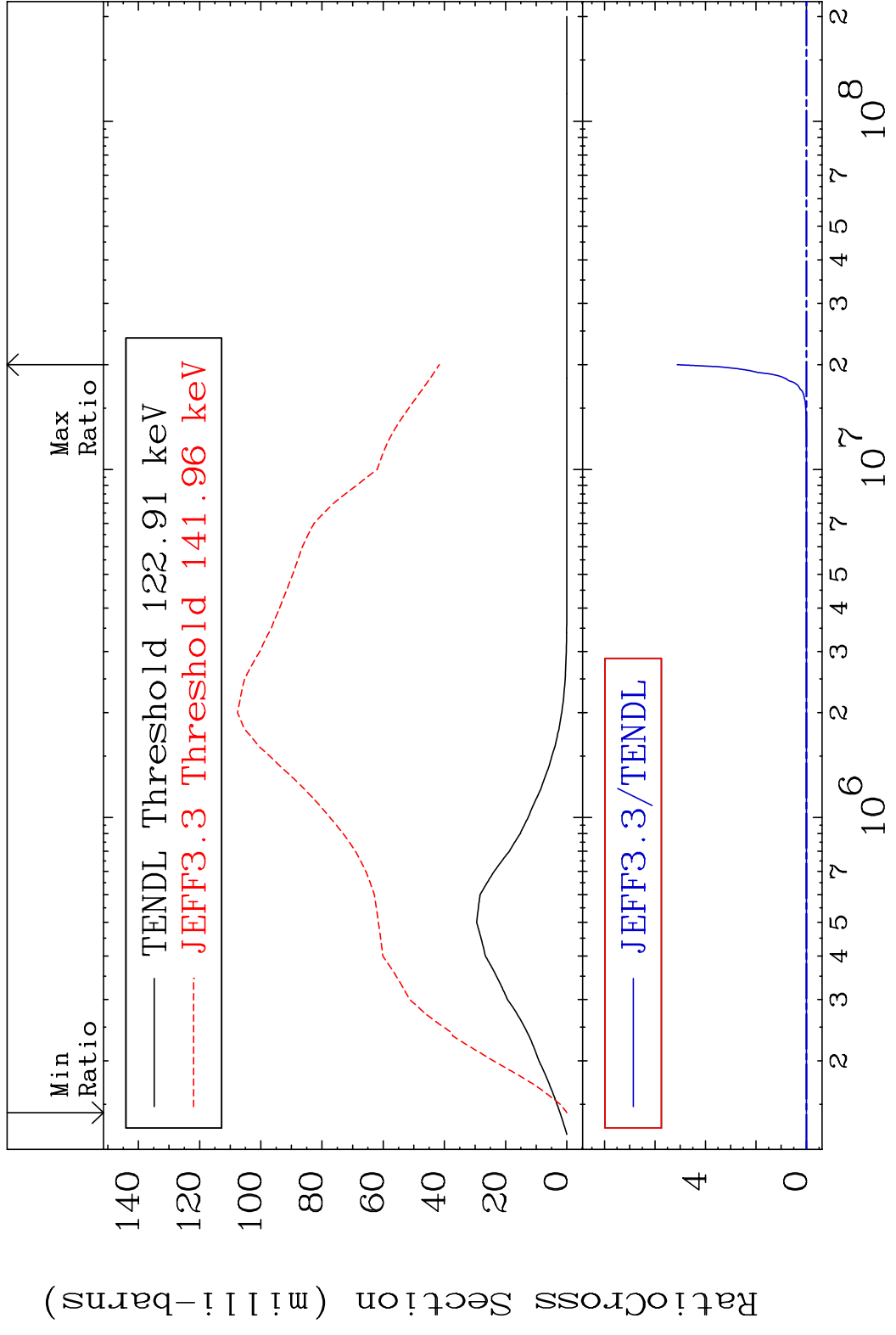
13 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 58 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 69.00 %

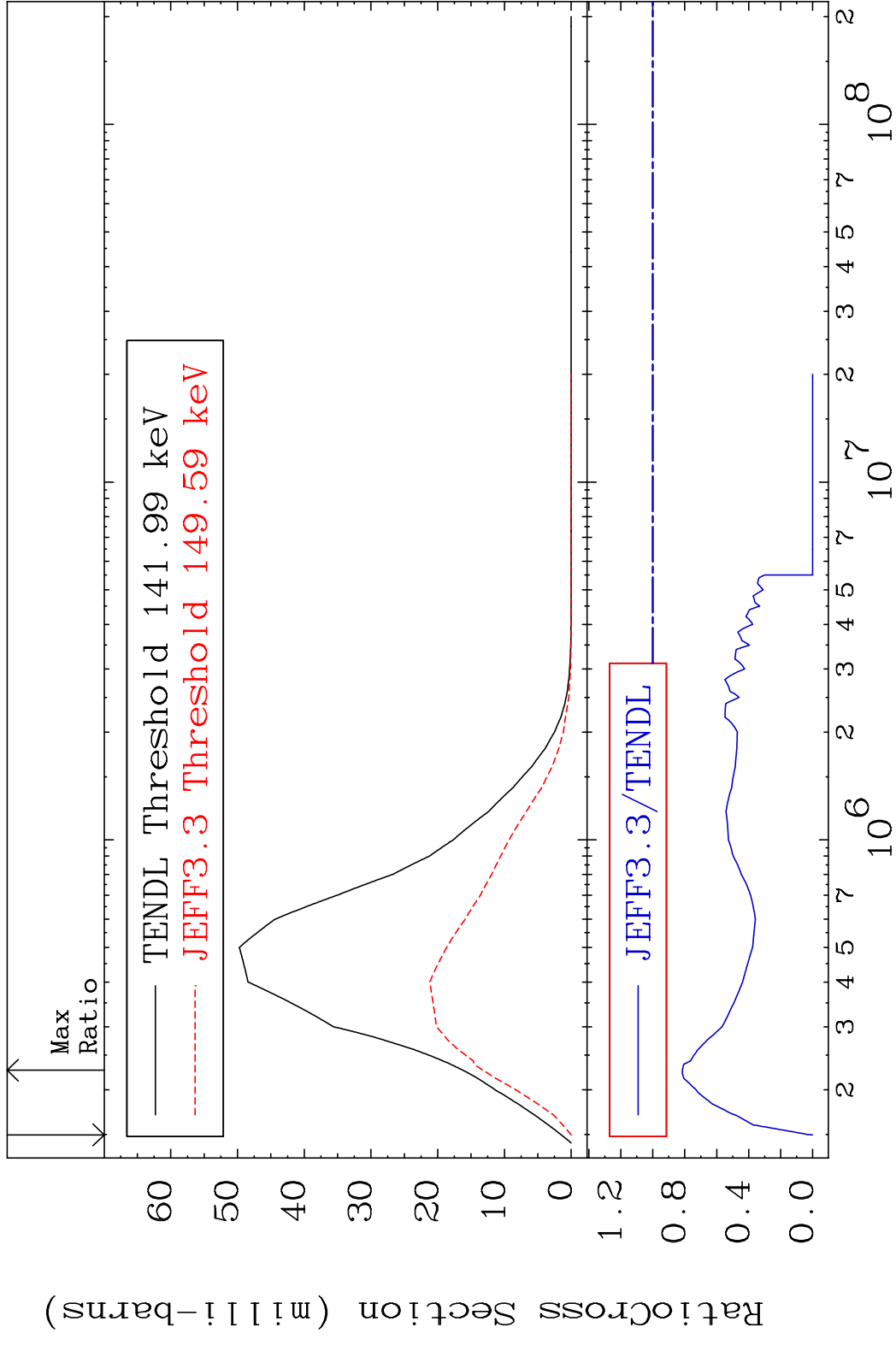


14 Incident Energy (eV) 95-Am-242m

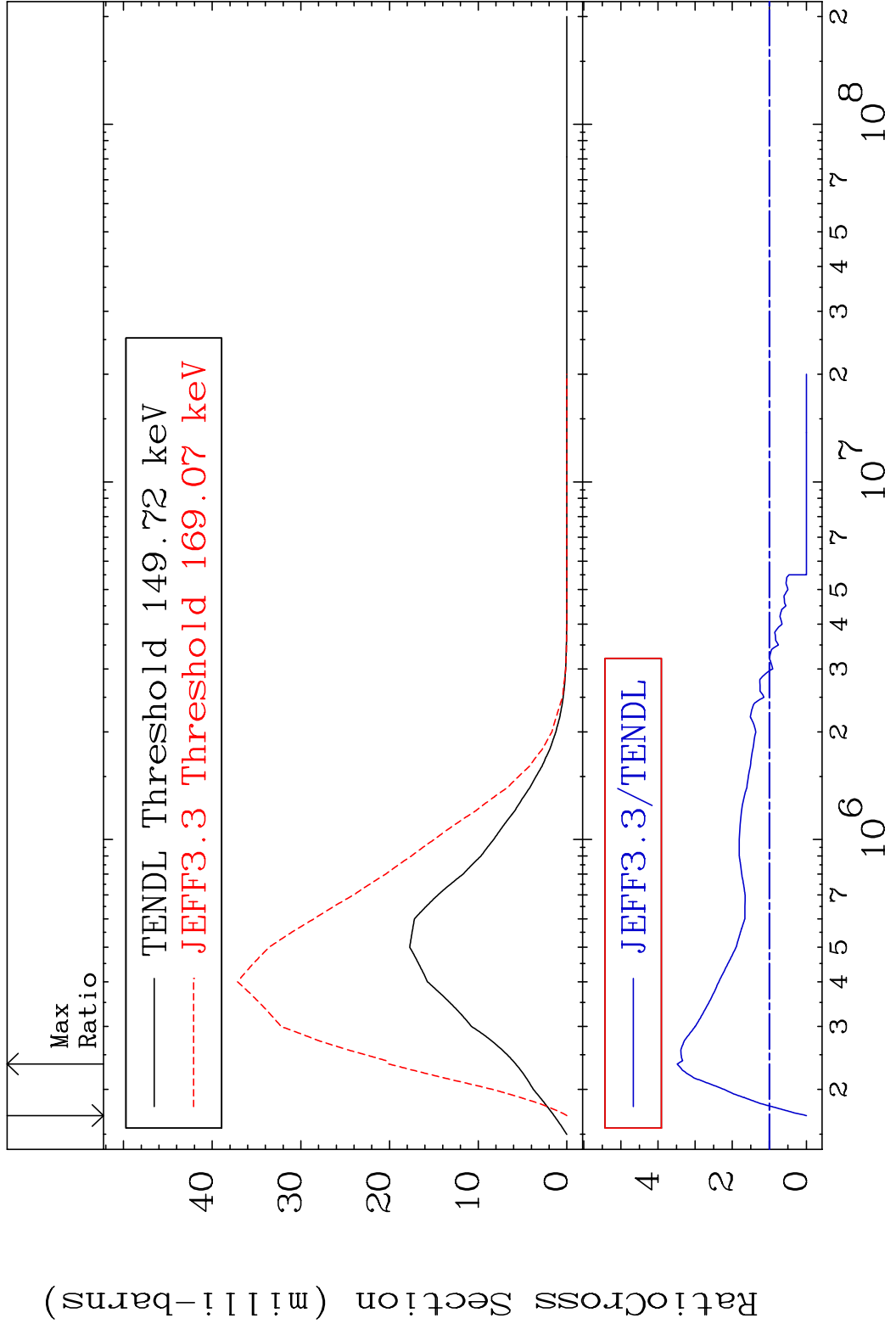
MAT 9547 MT= 59 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 60 (n, n') Level 95-Am-242m
 Cross Section -100.0 To -18.48%



MAT 9547 MT= 61 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 248.4 %

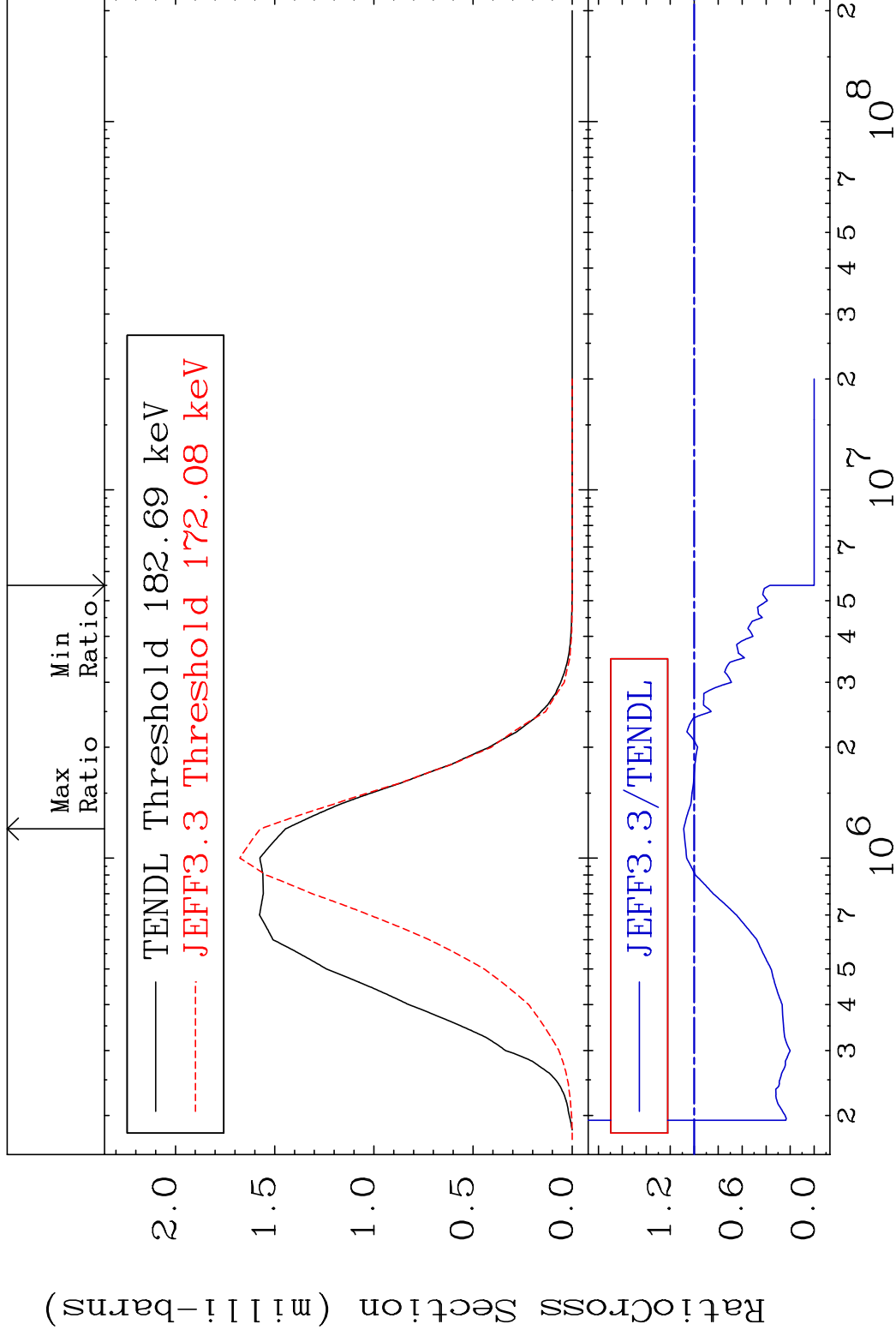


MAT 9547

MT= 62 (n, n') Level

95-Am-242m

Cross Section -100.0 To 8.834 %

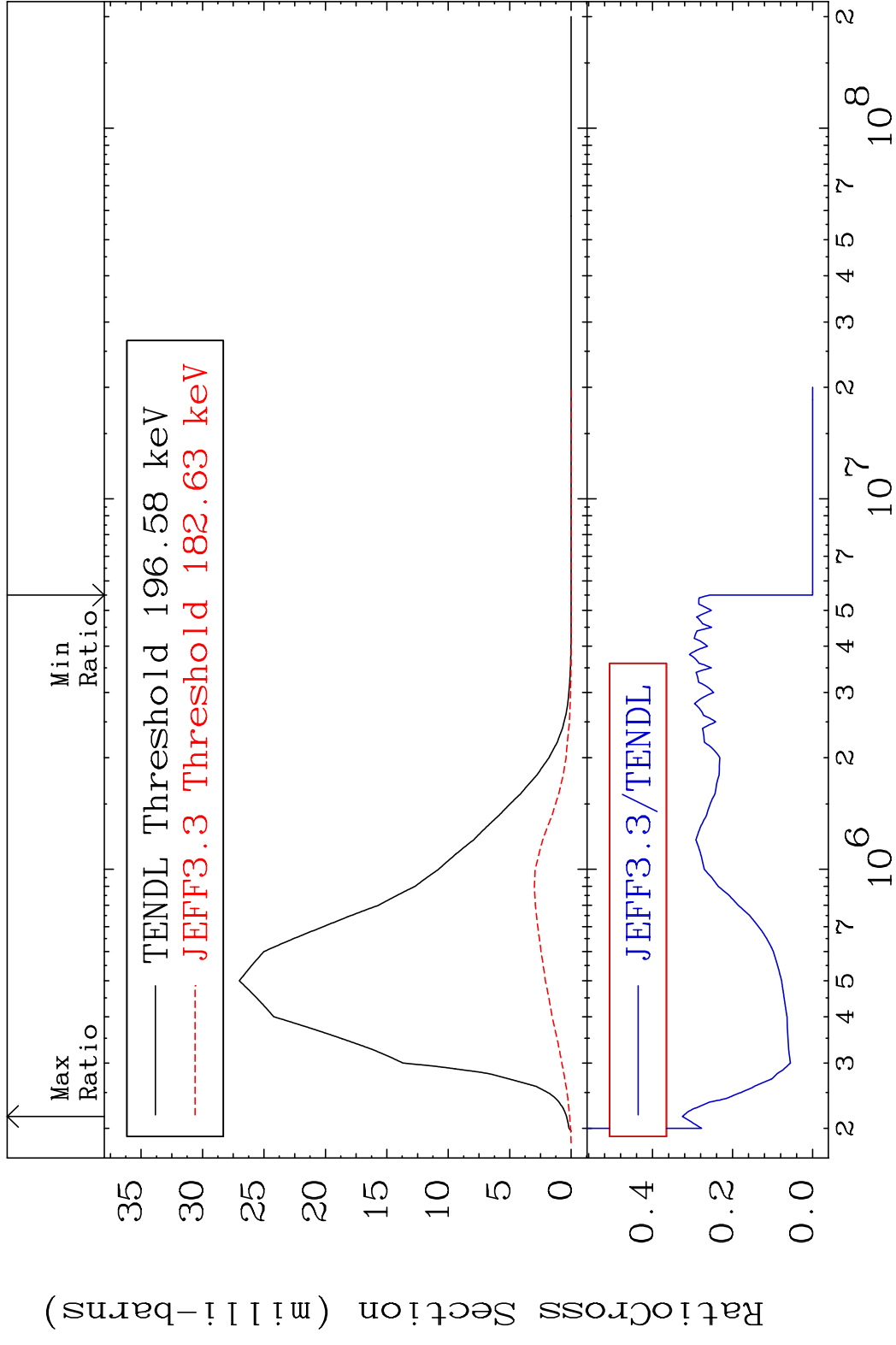


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Incident Energy (eV)

95-Am-242m

MAT 9547 MT= 63 (n, n') Level 95-Am-242m
 Cross Section -100.0 To -67.43%

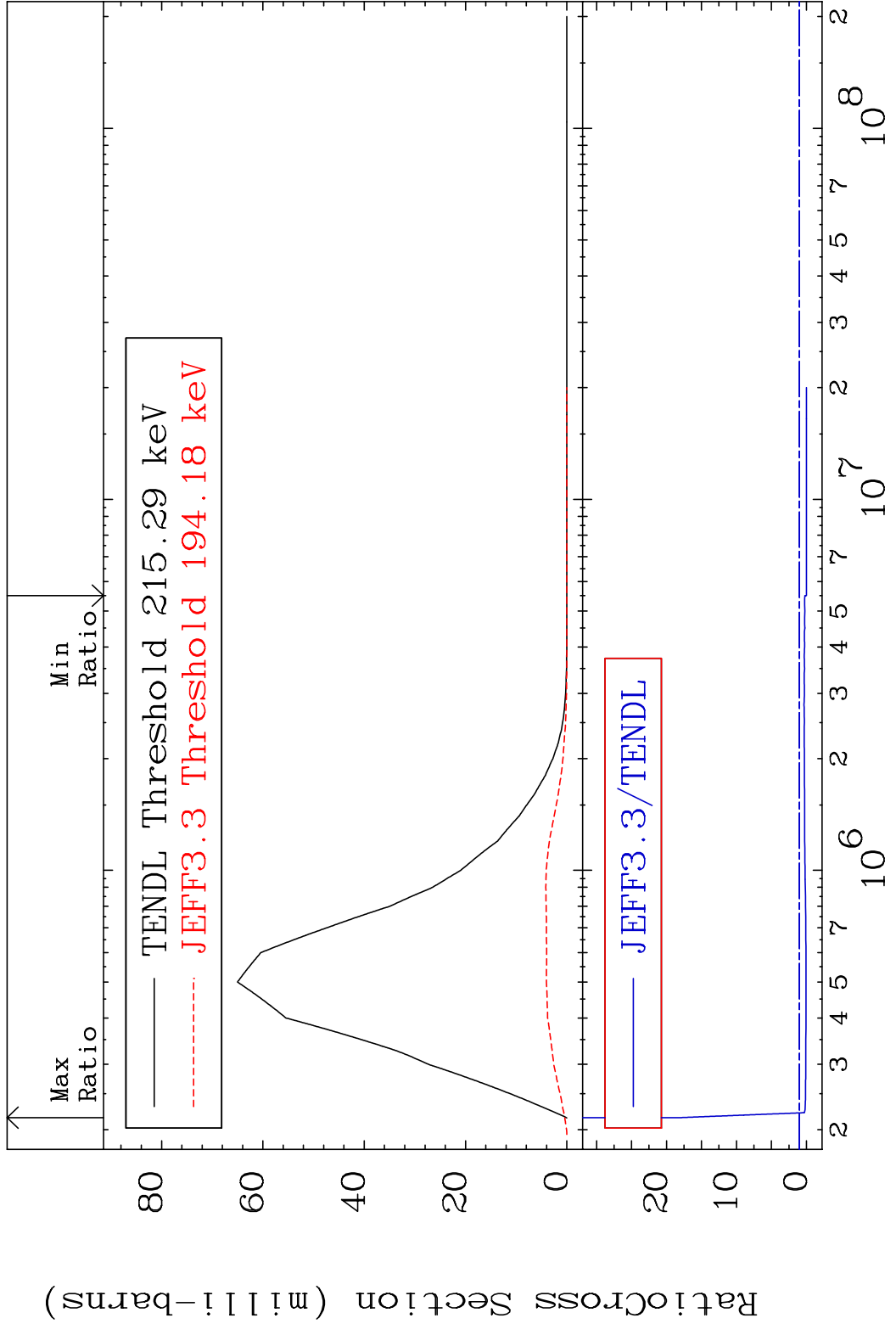


MAT 9547

MT= 64 (n, n') Level

95-Am-242m

Cross Section -100.0 To 1747. %

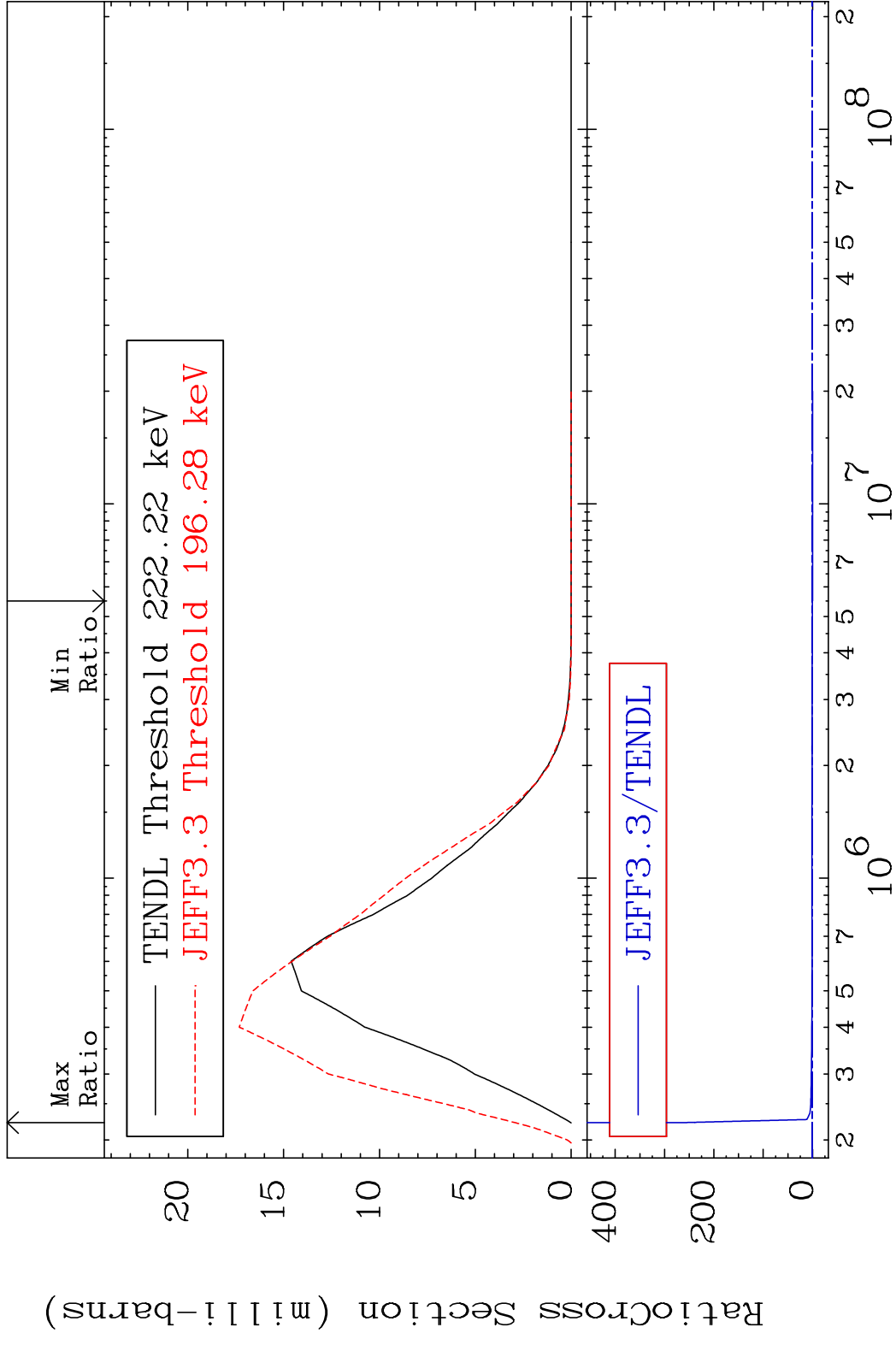


20

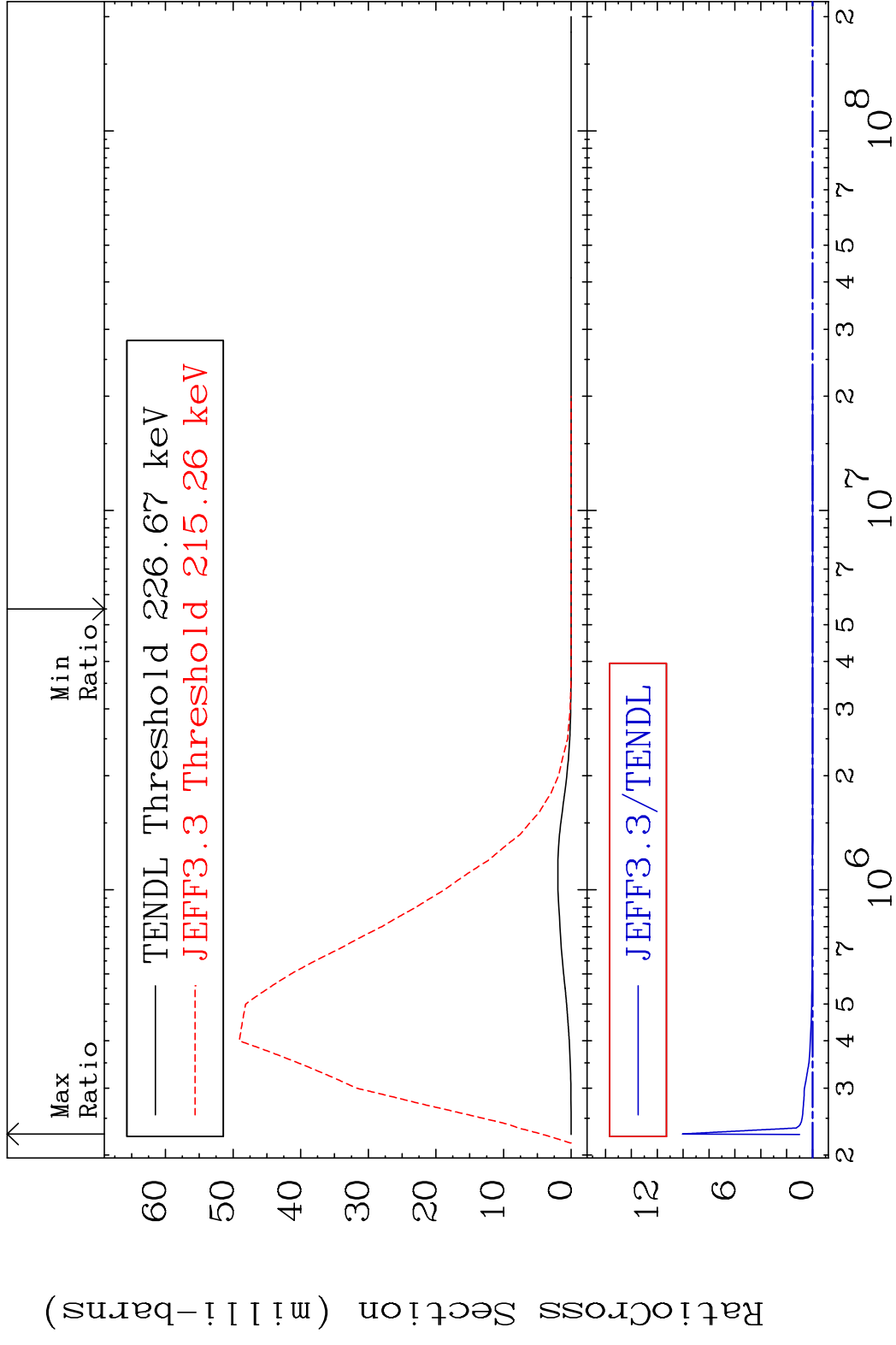
Incident Energy (eV)

95-Am-242m

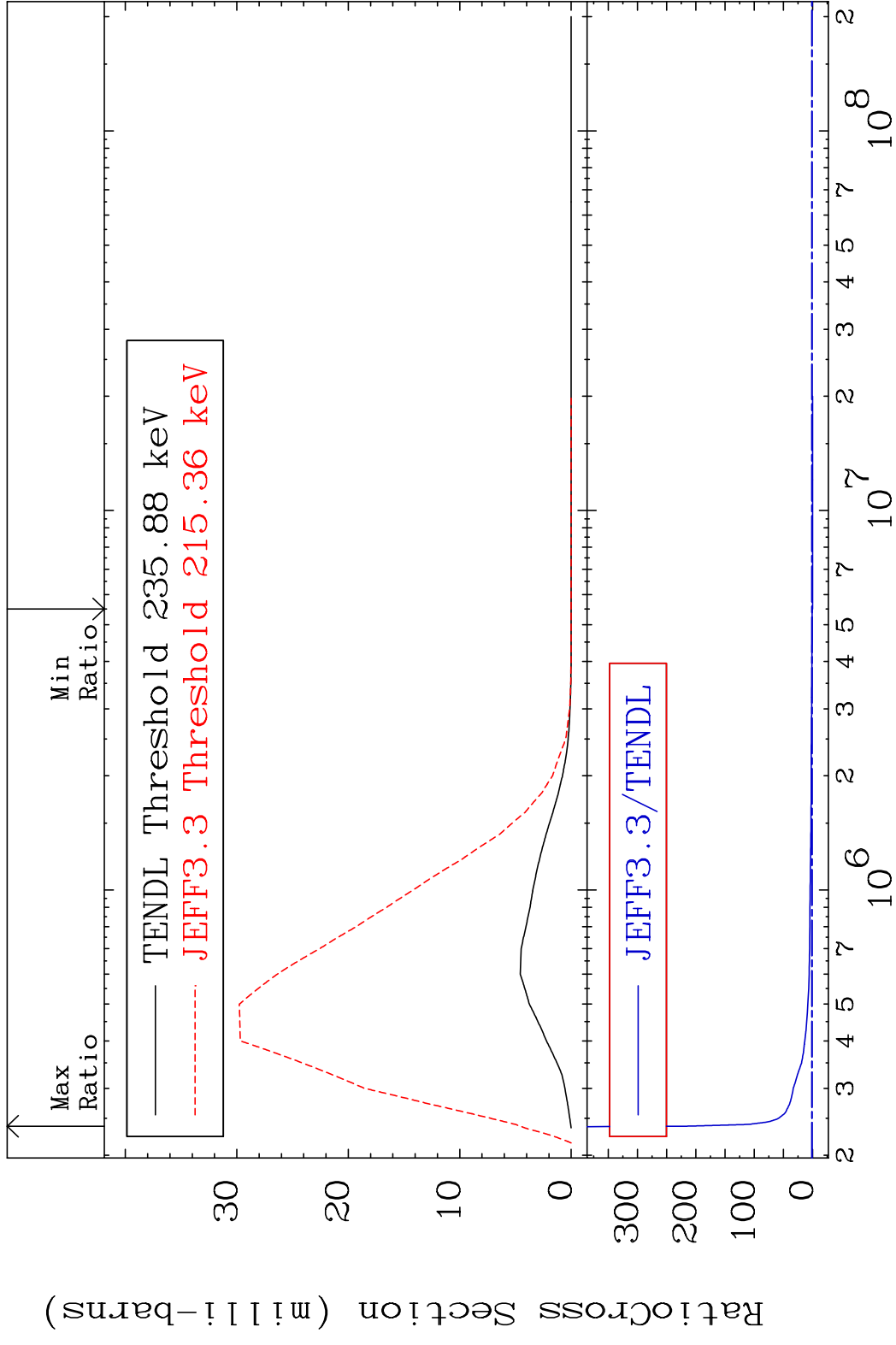
MAT 9547 MT= 65 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



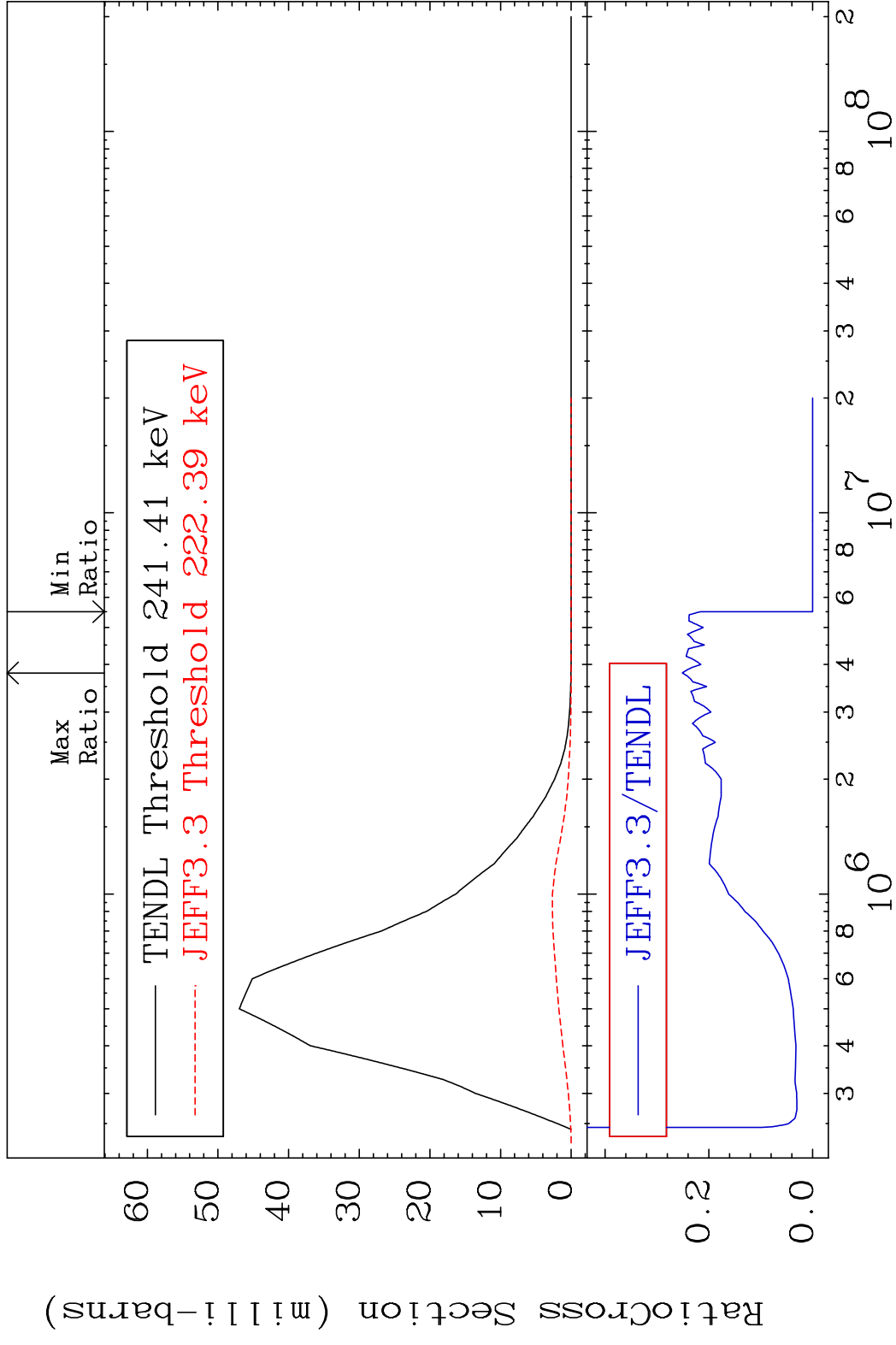
MAT 9547 MT= 66 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



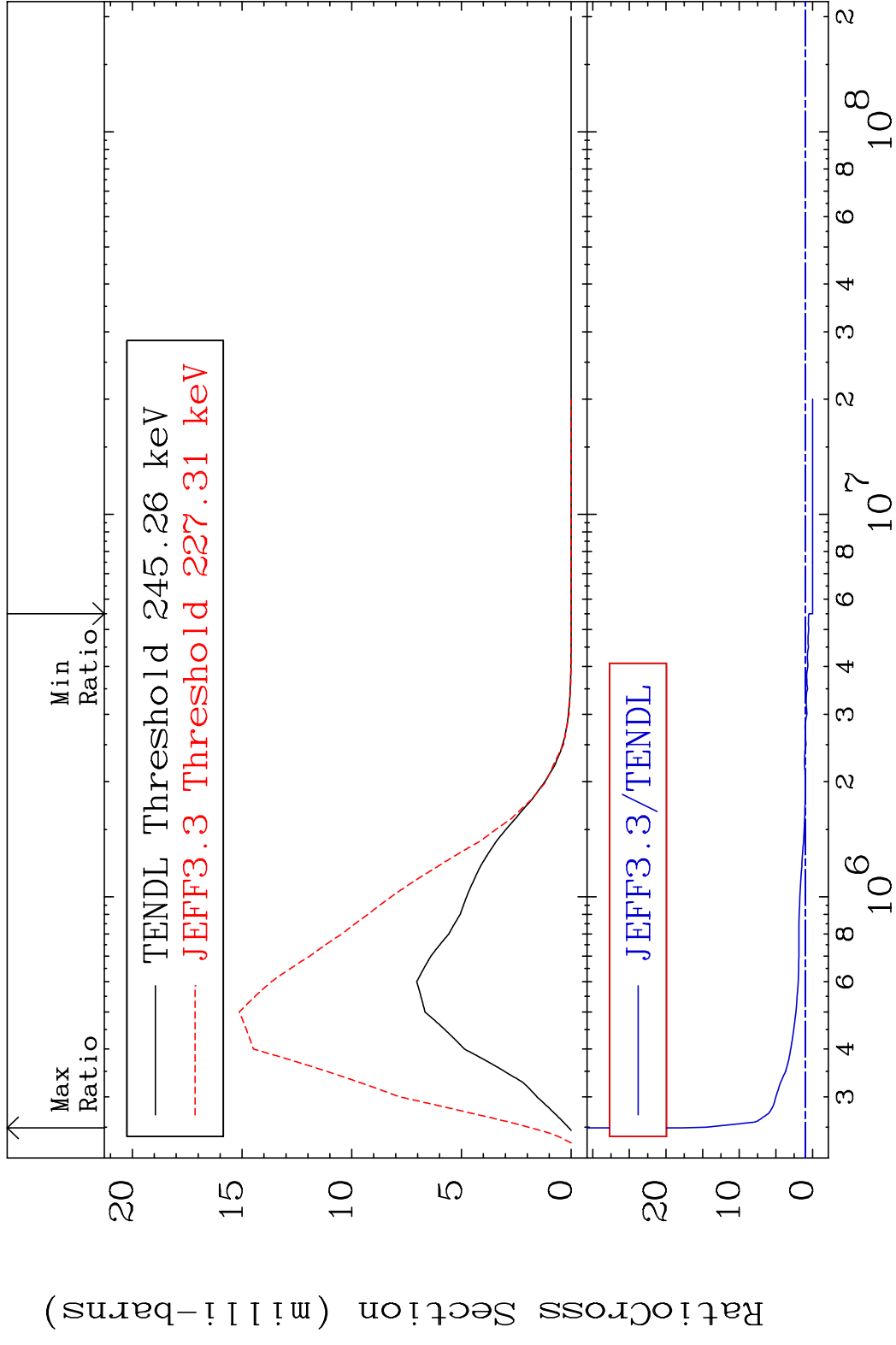
MAT 9547 MT= 67 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



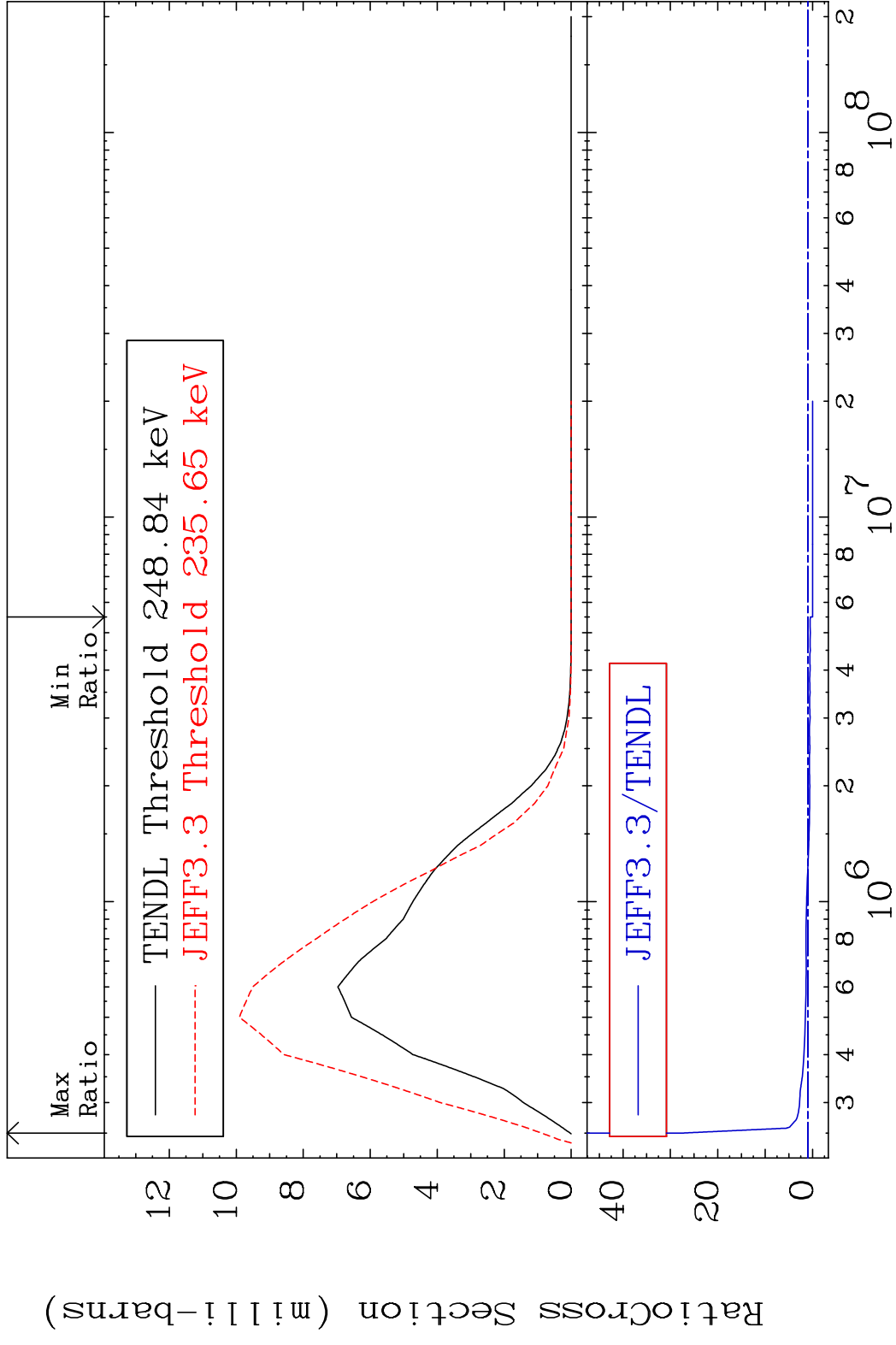
MAT 9547 MT= 68 (n, n') Level 95-Am-242m
 Cross Section -100.0 To -74.90%



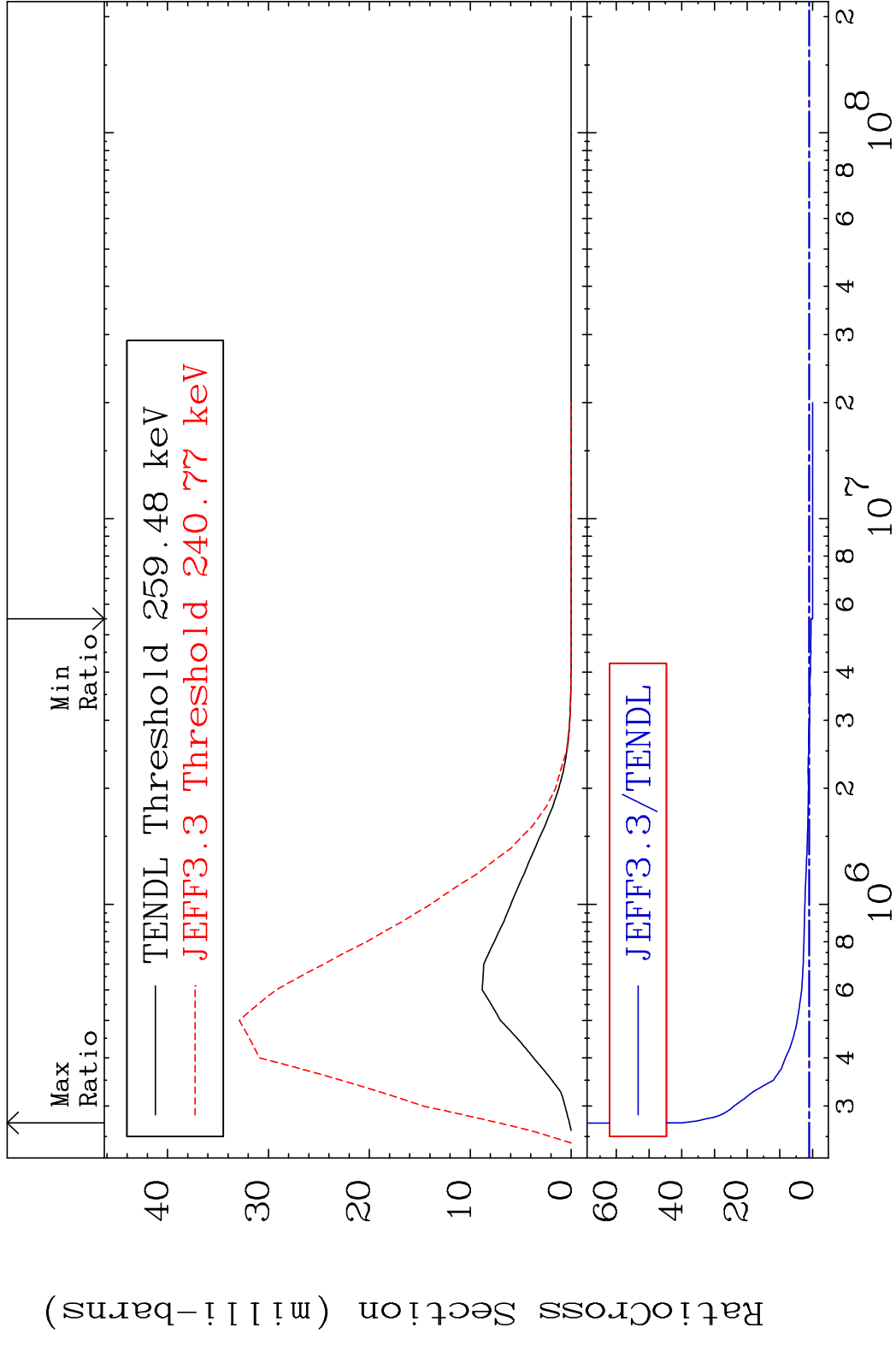
MAT 9547 MT= 69 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 1676. %



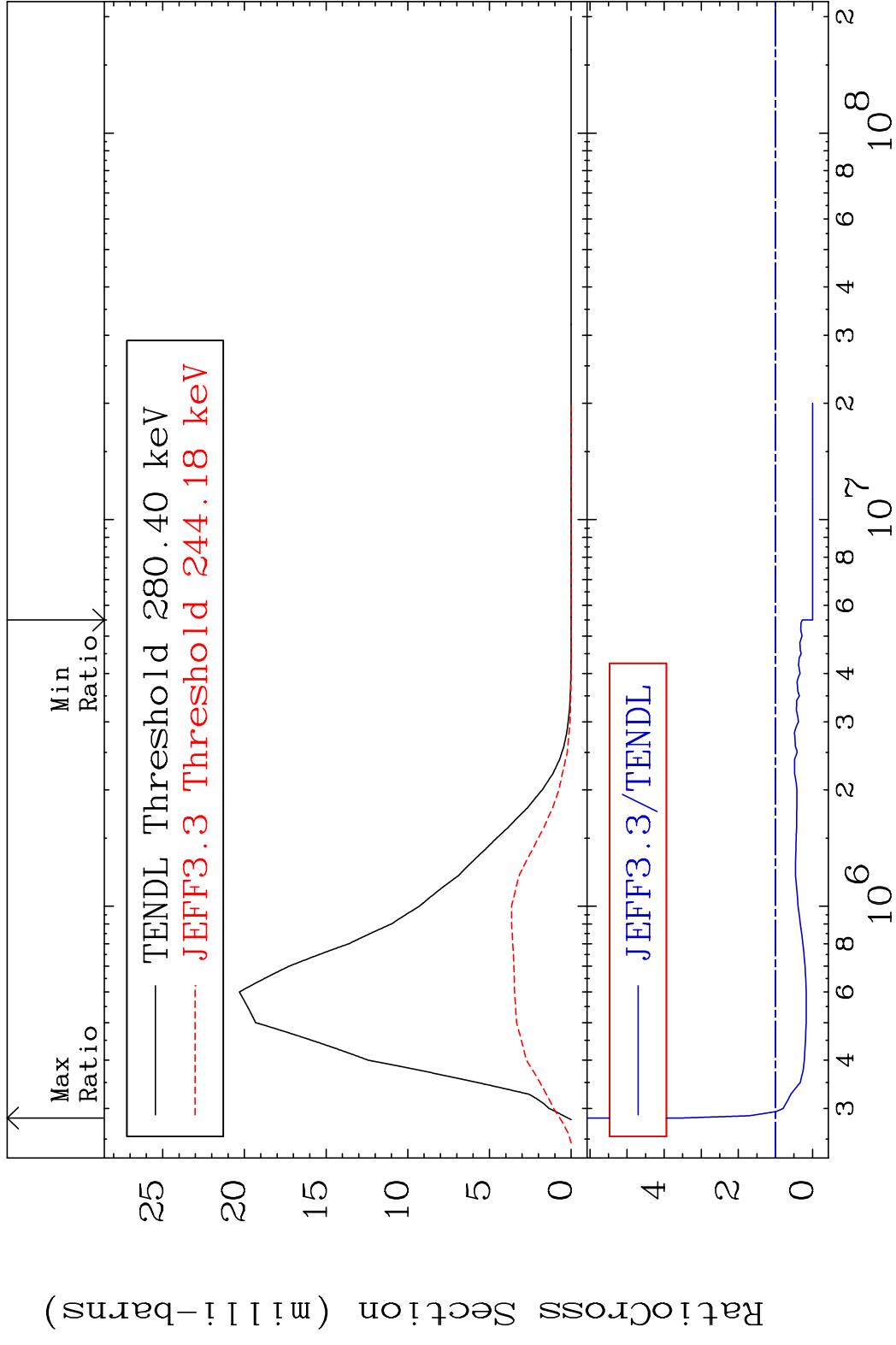
MAT 9547 MT= 70 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 2647. %



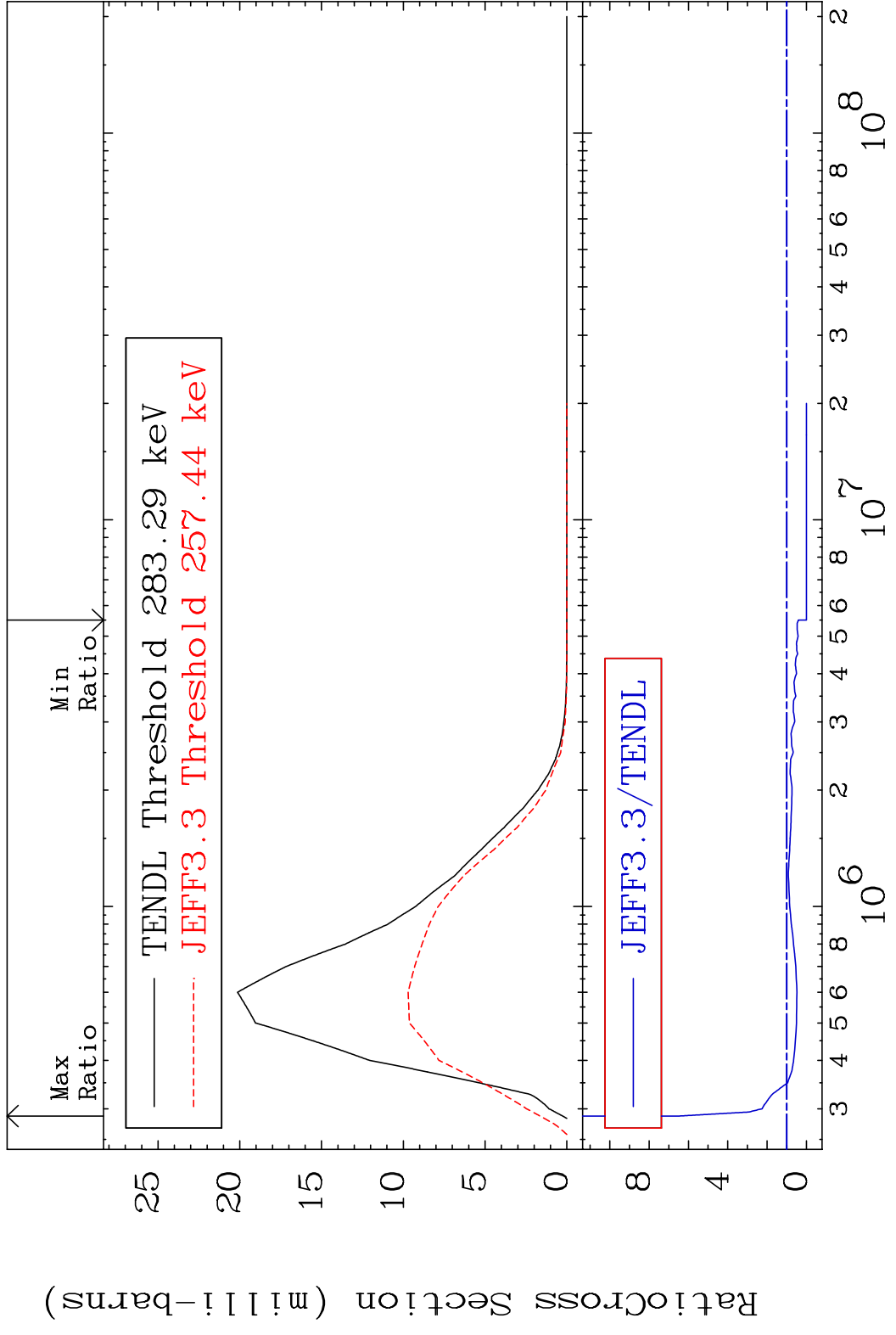
MAT 9547 MT= 71 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 3881. %



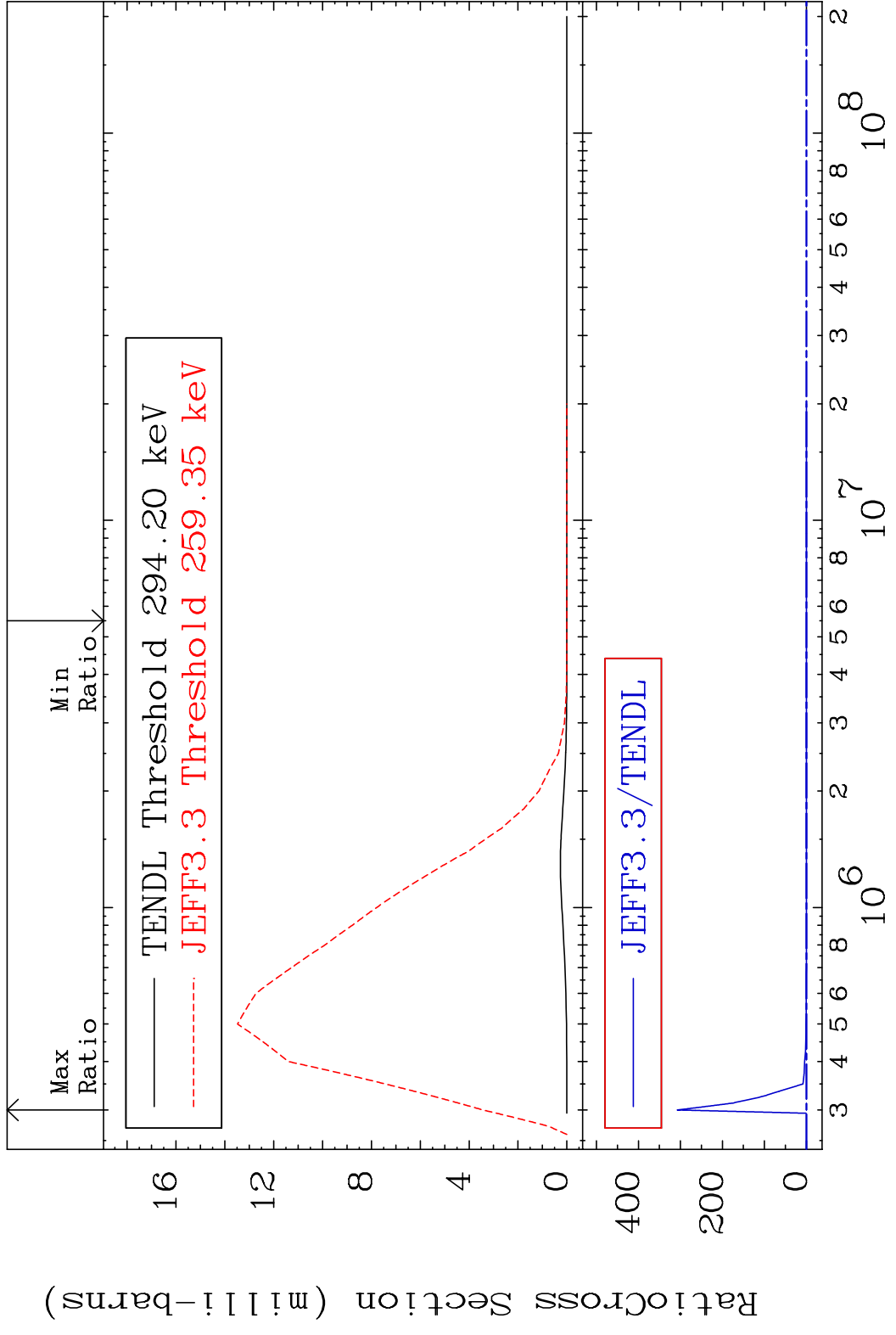
MAT 9547 MT= 72 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 251.0 %



MAT 9547 MT= 73 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 557.3 %

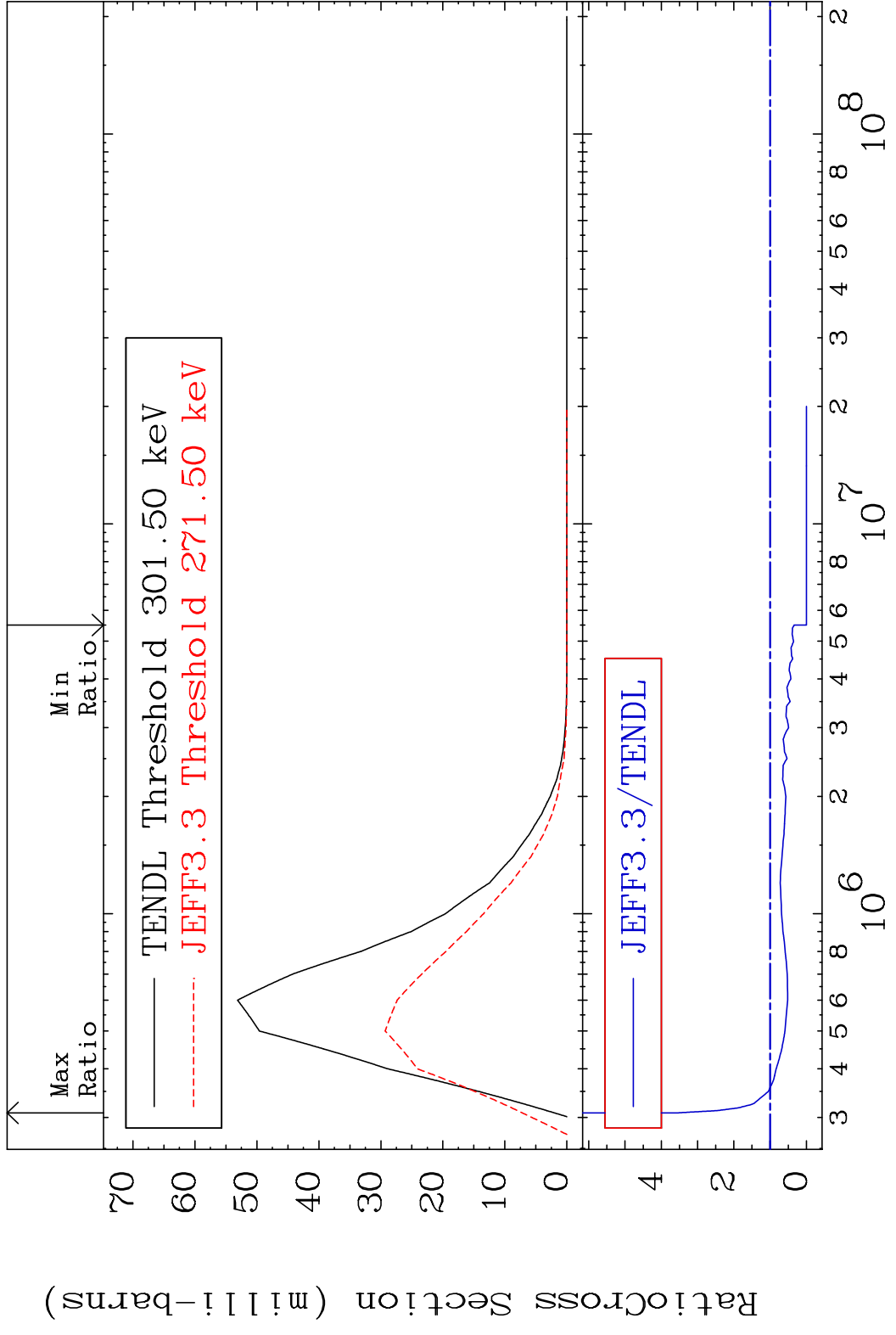


MAT 9547 MT= 74 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

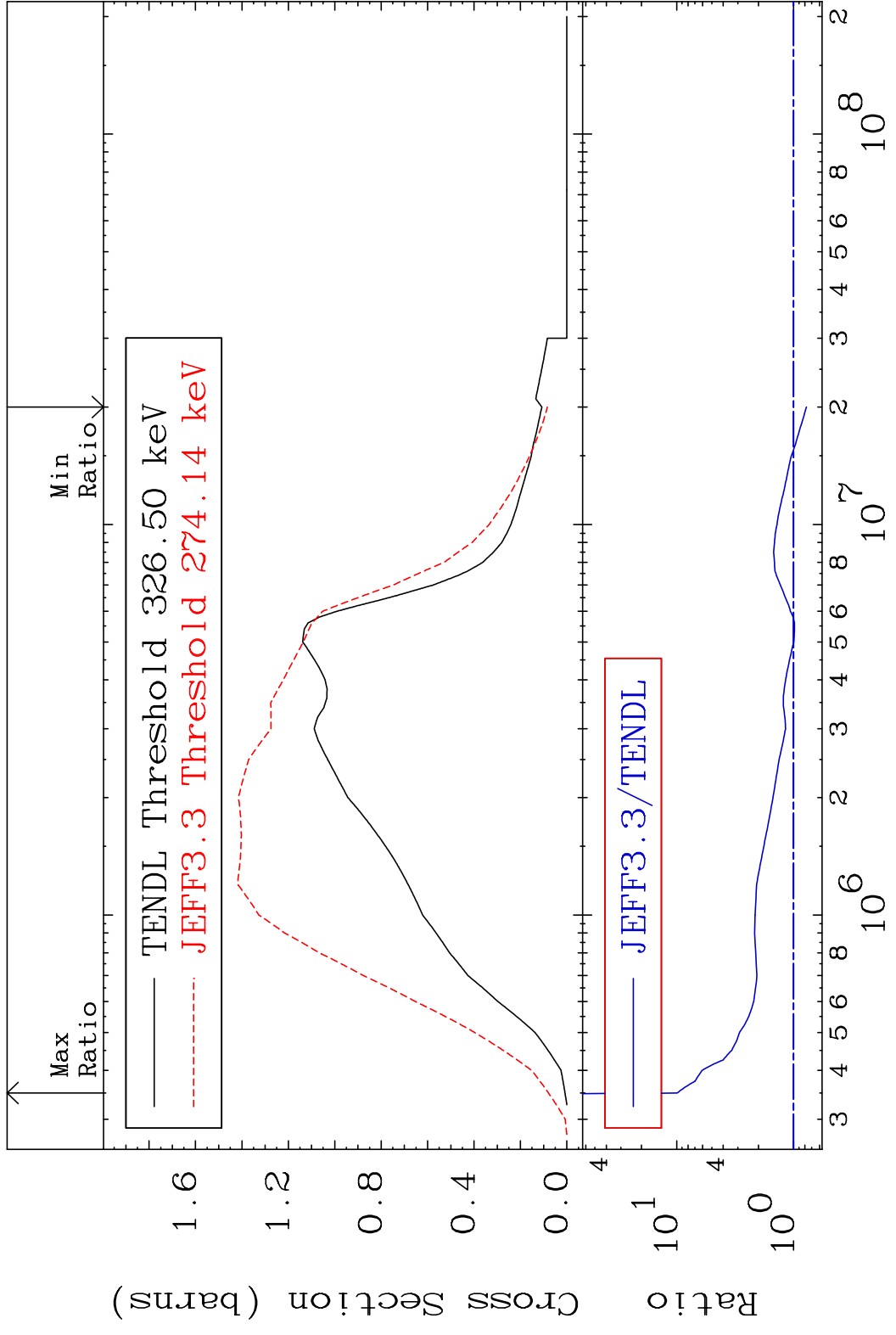


30 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 75 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 256.2 %



MAT 9547 (n, n') Continuum 95-Am-242m
 Cross Section -22.27 To 889.9 %

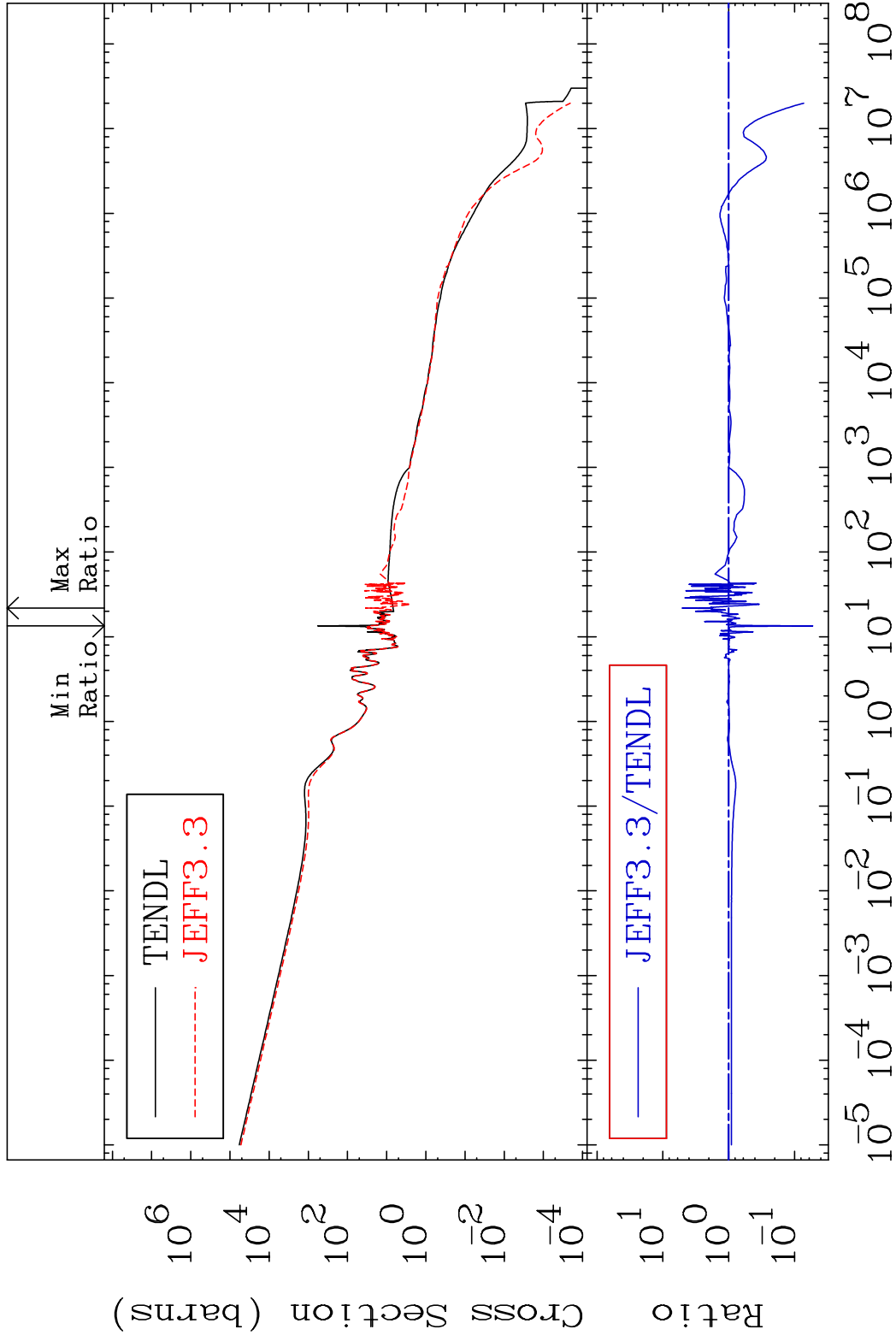


MAT 9547

(n, γ)

95-Am-242m

Cross Section -94.67 To 406.1 %



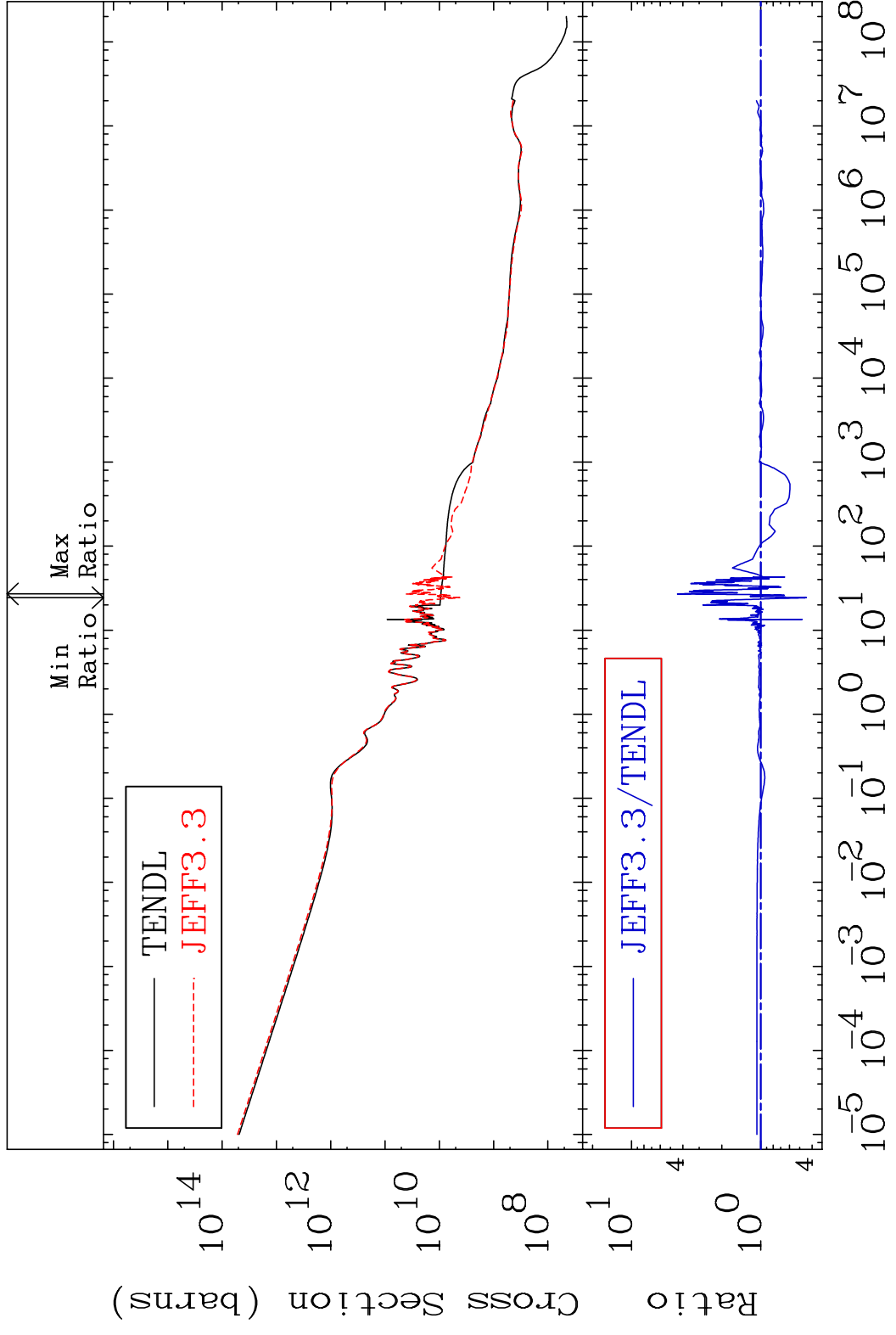
33

Incident Energy (eV)

95-Am-242m

MAT 9547

Kerma total (eV-barns) 95-Am-242m
Cross Section -55.68 To 343.3 %

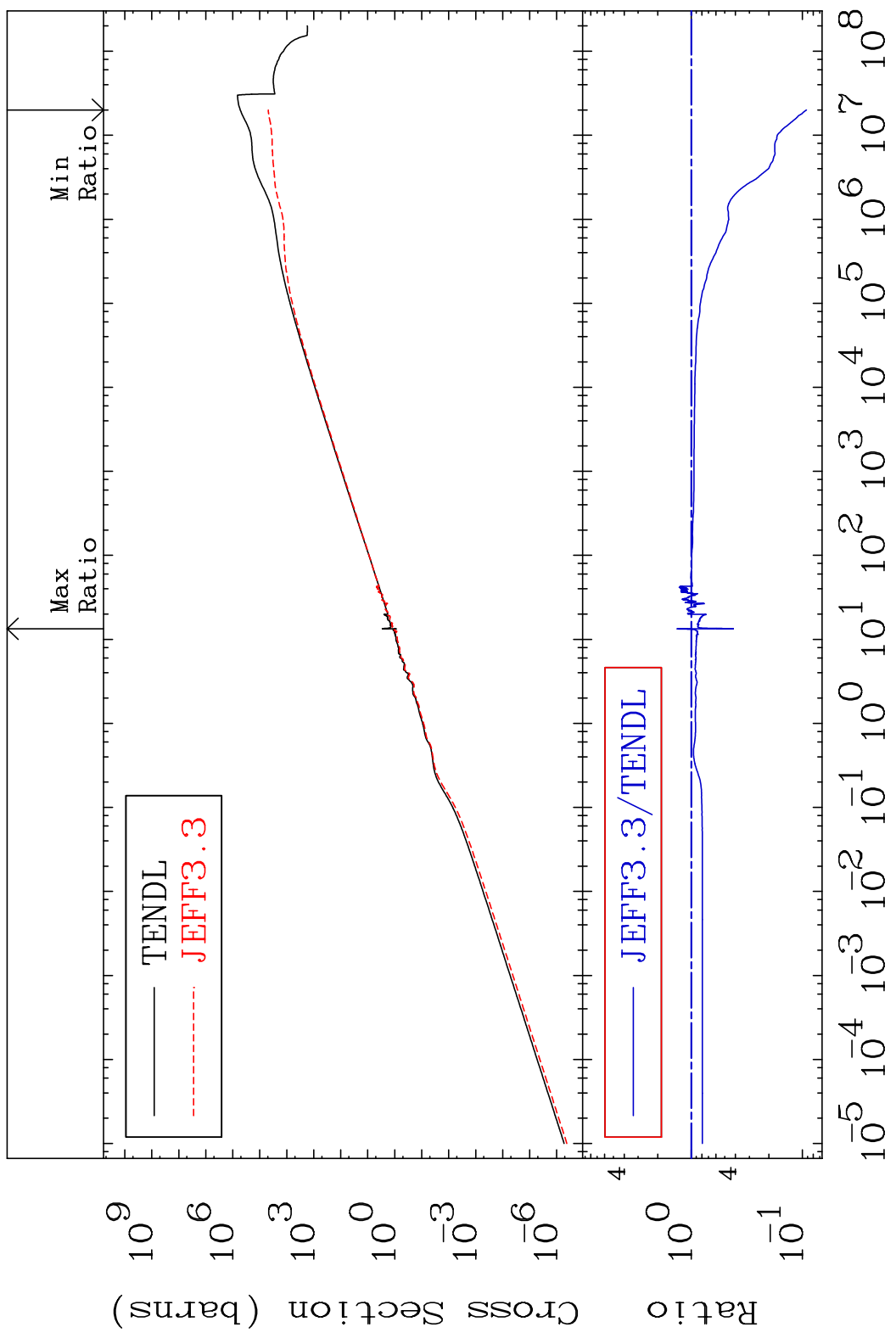


34

Incident Energy (eV) 95-Am-242m

MAT 9547

Kerma elastic Cross Section -90.78 To 33.66 %
95-Am-242m

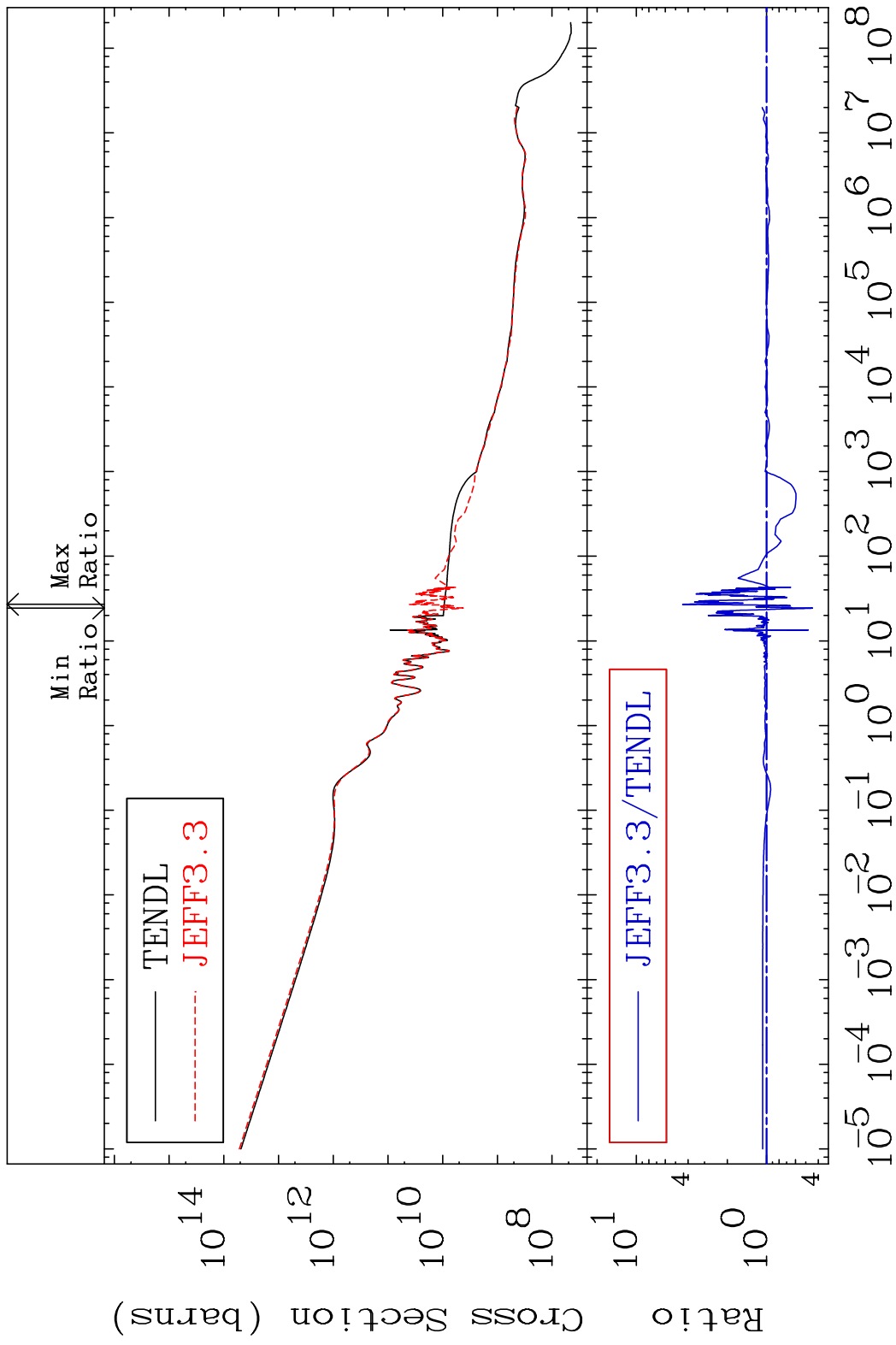


35

Incident Energy (eV)

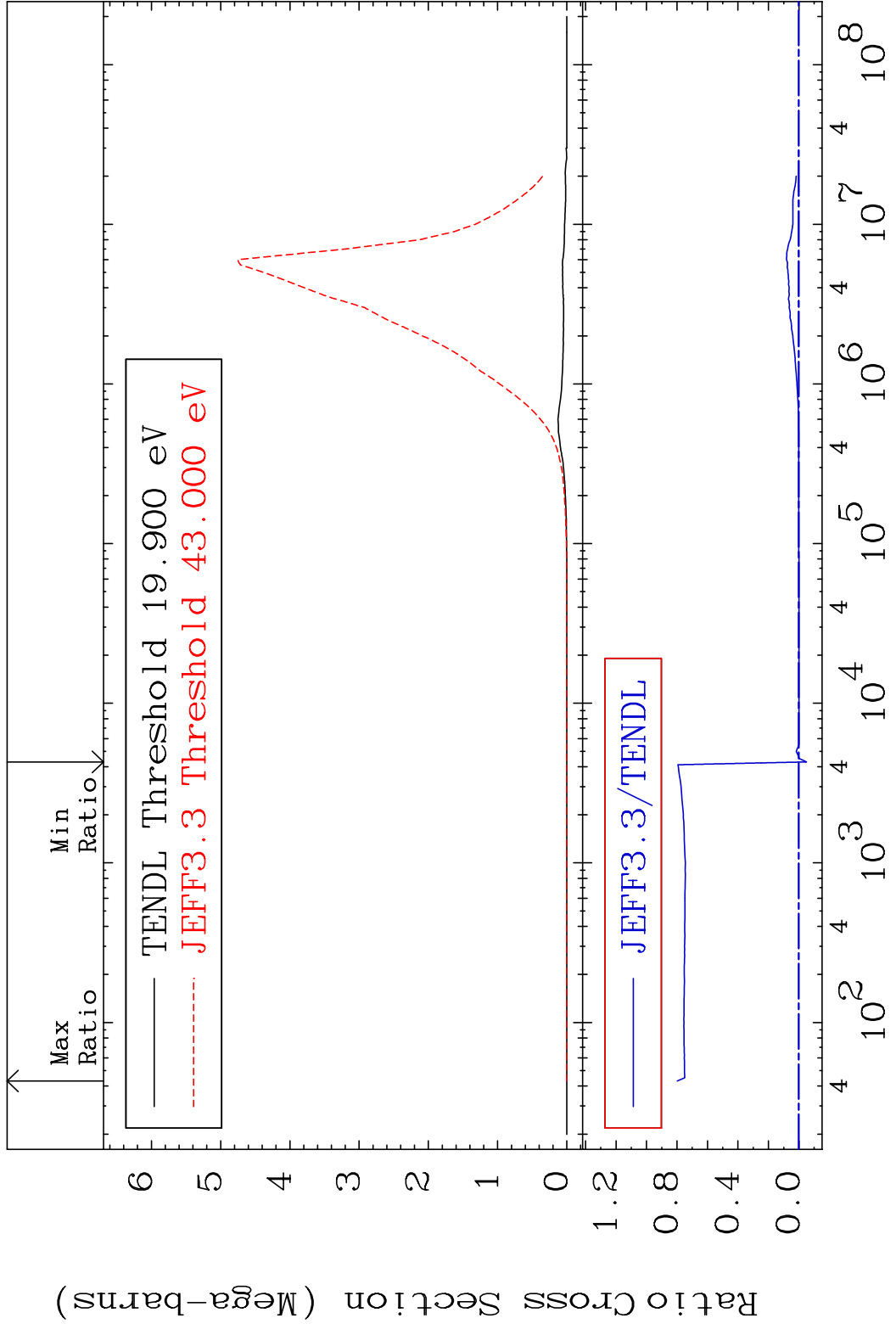
95-Am-242m

MAT 9547 Kerma non-elastic (all but mt2) 95-Am-242m
 Cross Section -55.68 To 343.3 %

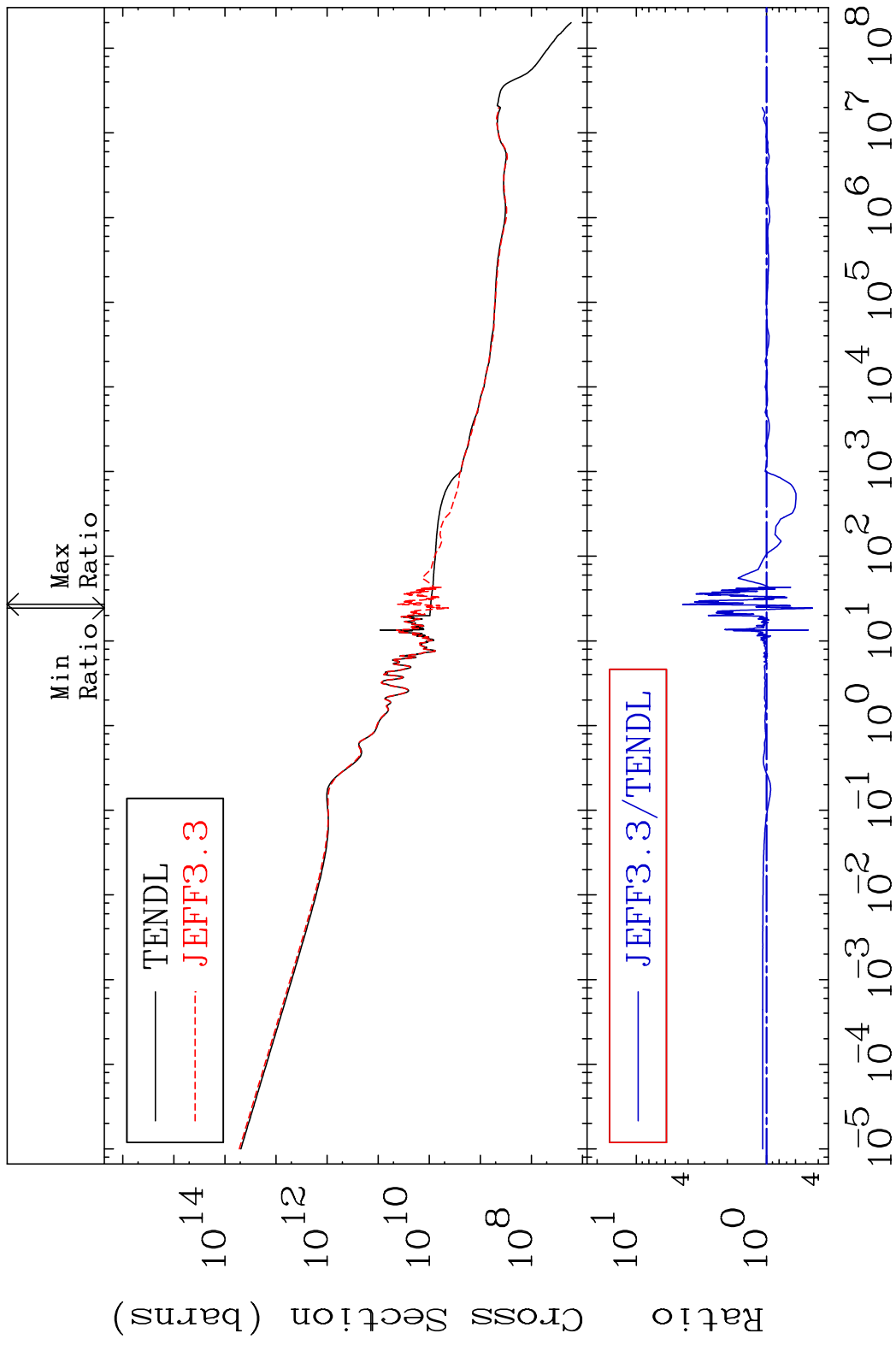


36 Incident Energy (eV) 95-Am-242m

MAT 9547 Kerma inelastic (mt51-91) 95-Am-242m
 Cross Section -4978. To 9999. %

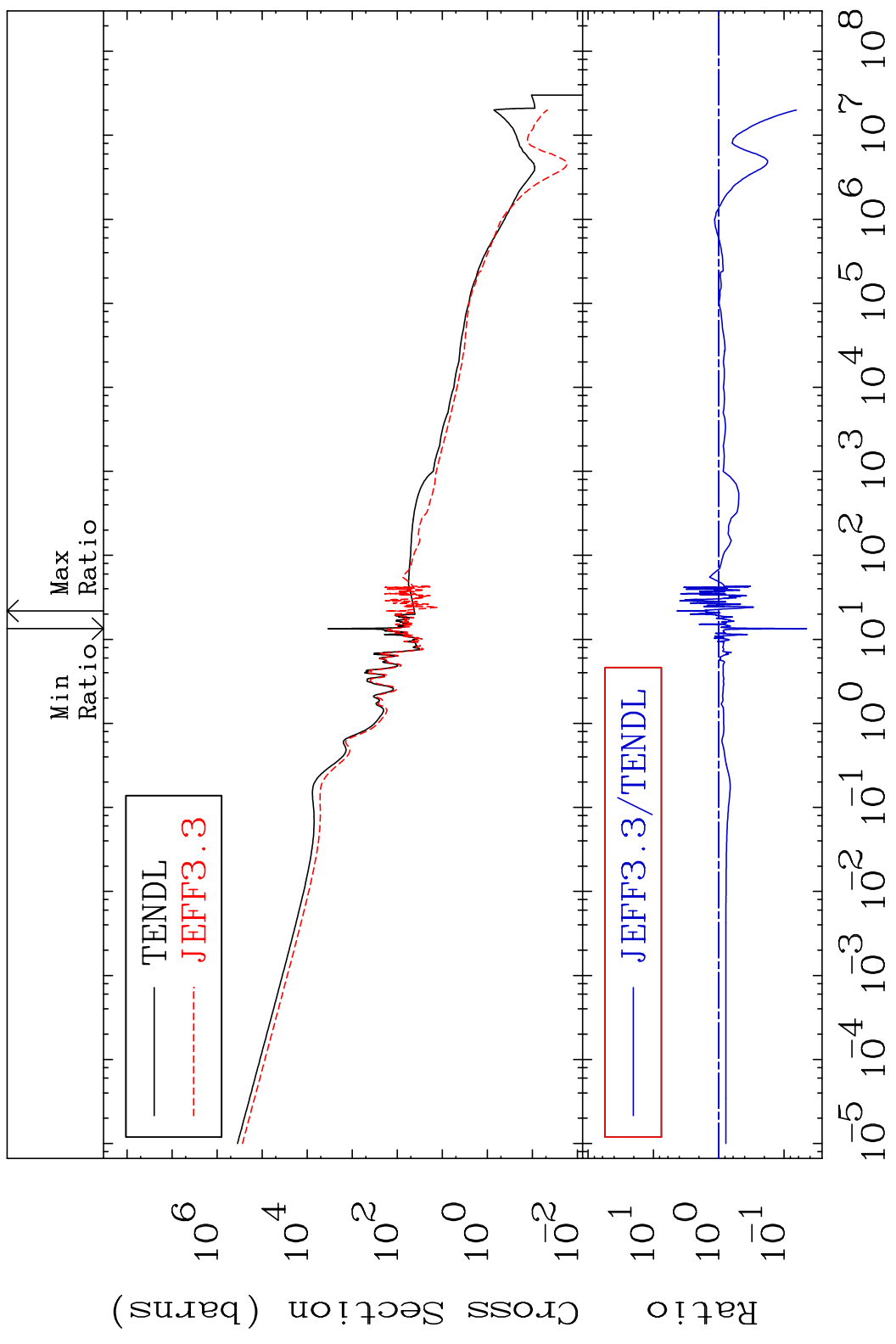


MAT 9547 Kerma fission (mt18 or mt19-20-21-30) 95-Am-242m
 Cross Section -55.68 To 343.3 %



MAT 9547

Kerma capture (mt102) 95-Am-242m
Cross Section -95.45 To 331.7 %



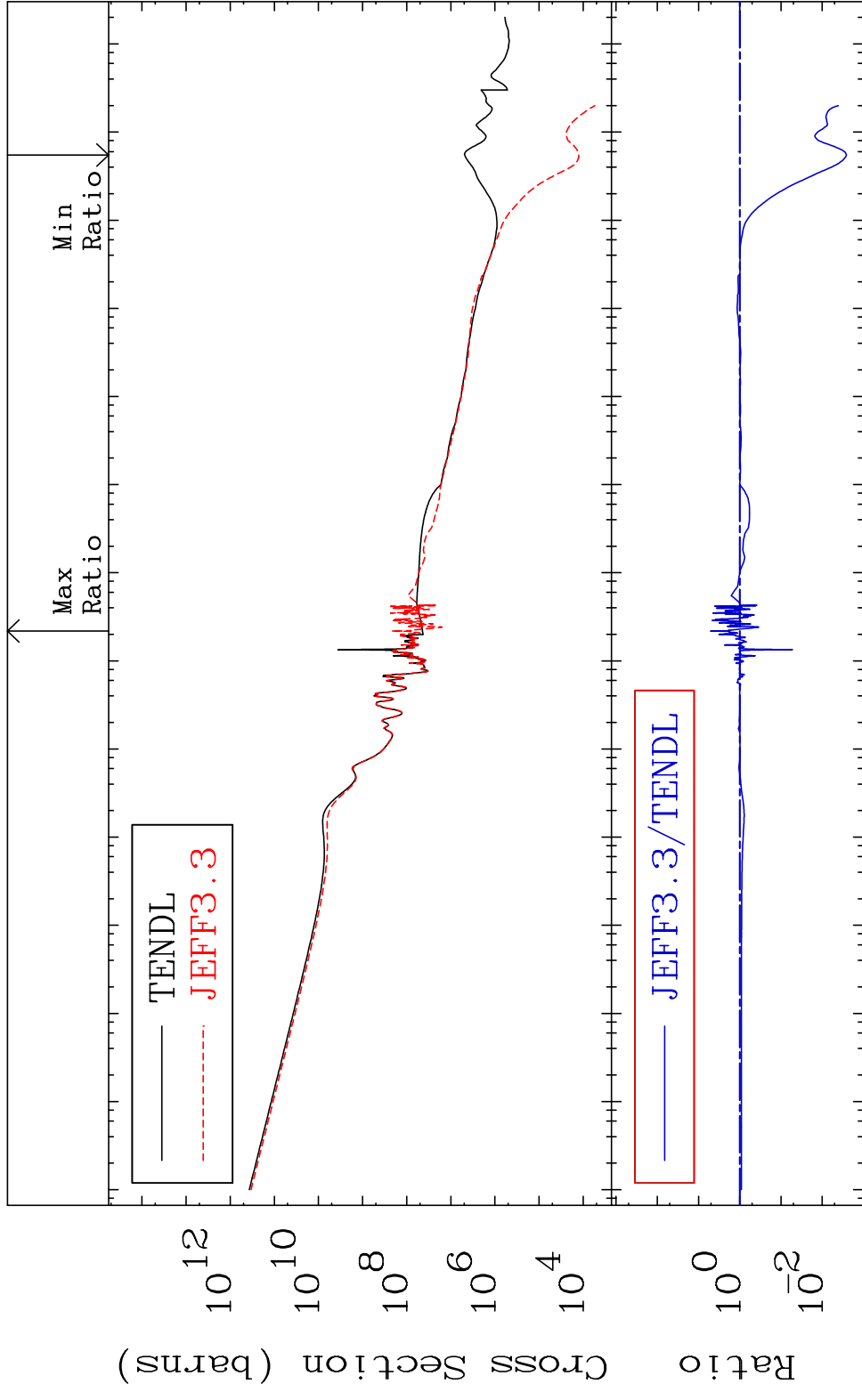
39

Incident Energy (eV)

95-Am-242m

MAT 9547

Total photon (eV-barns) 95-Am-242m
Cross Section -99.74 To 406.2 %

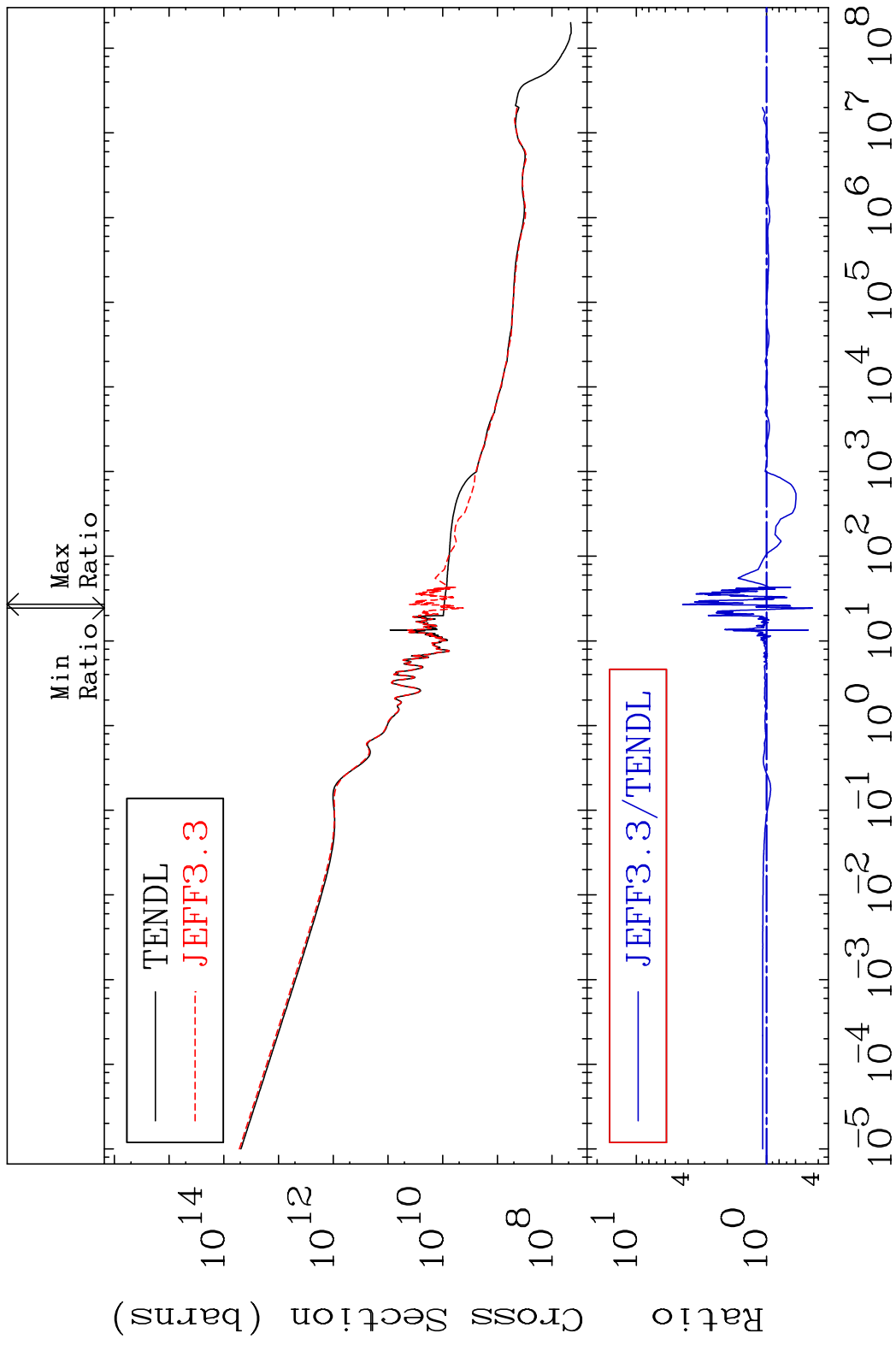


40

Incident Energy (eV)

95-Am-242m

MAT 9547 Total kinematic kerma (high limit)95-Am-242m
Cross Section -55.68 To 343.3 %

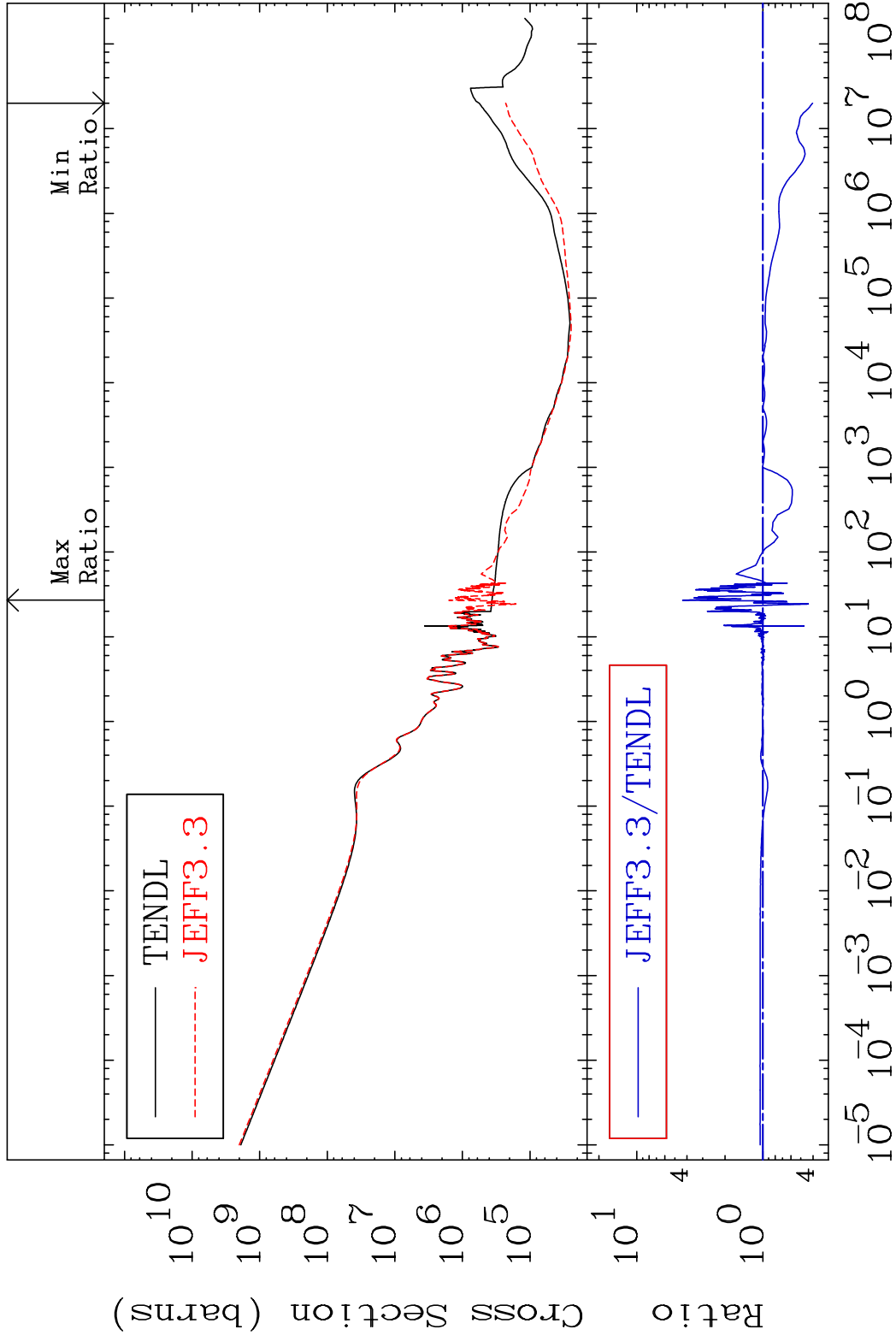


MAT 9547

Dpa total (eV-barns)

95-Am-242m

Cross Section -59.64 To 335.7 %



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Incident Energy (eV)

95-Am-242m

MAT 9547

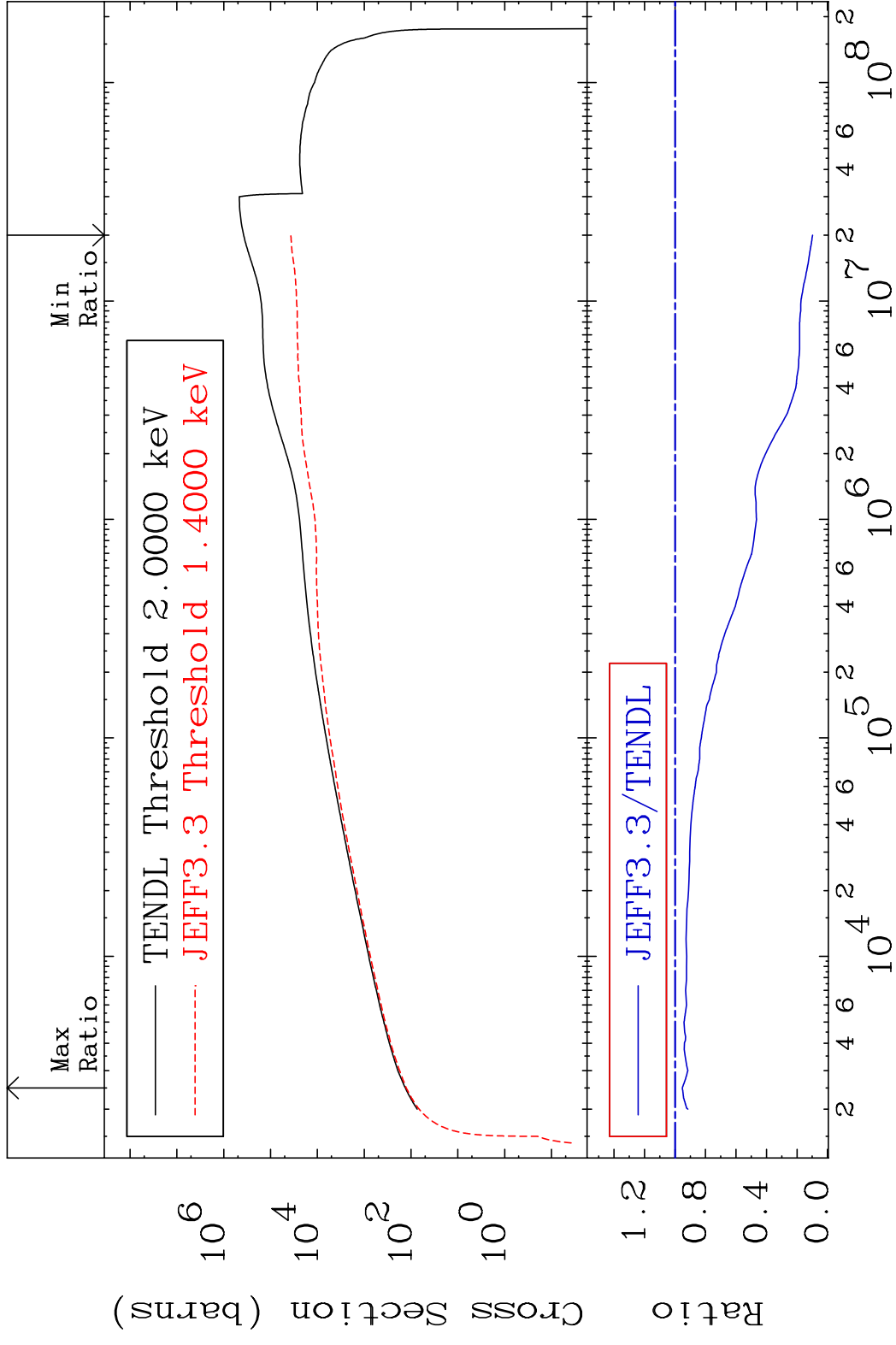
Dpa elastic (mt2)

95-Am-242m

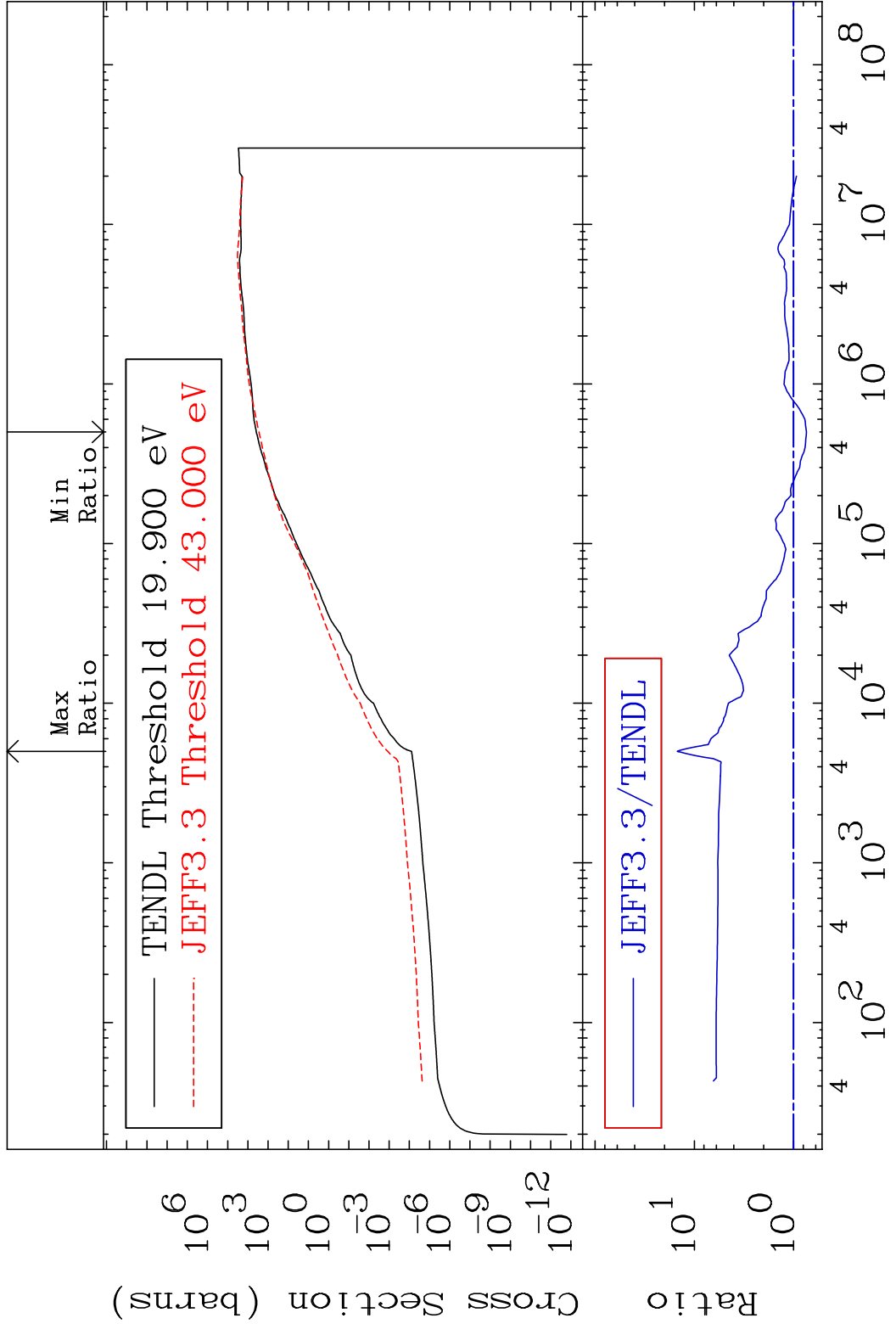
Cross Section

-90.19 To

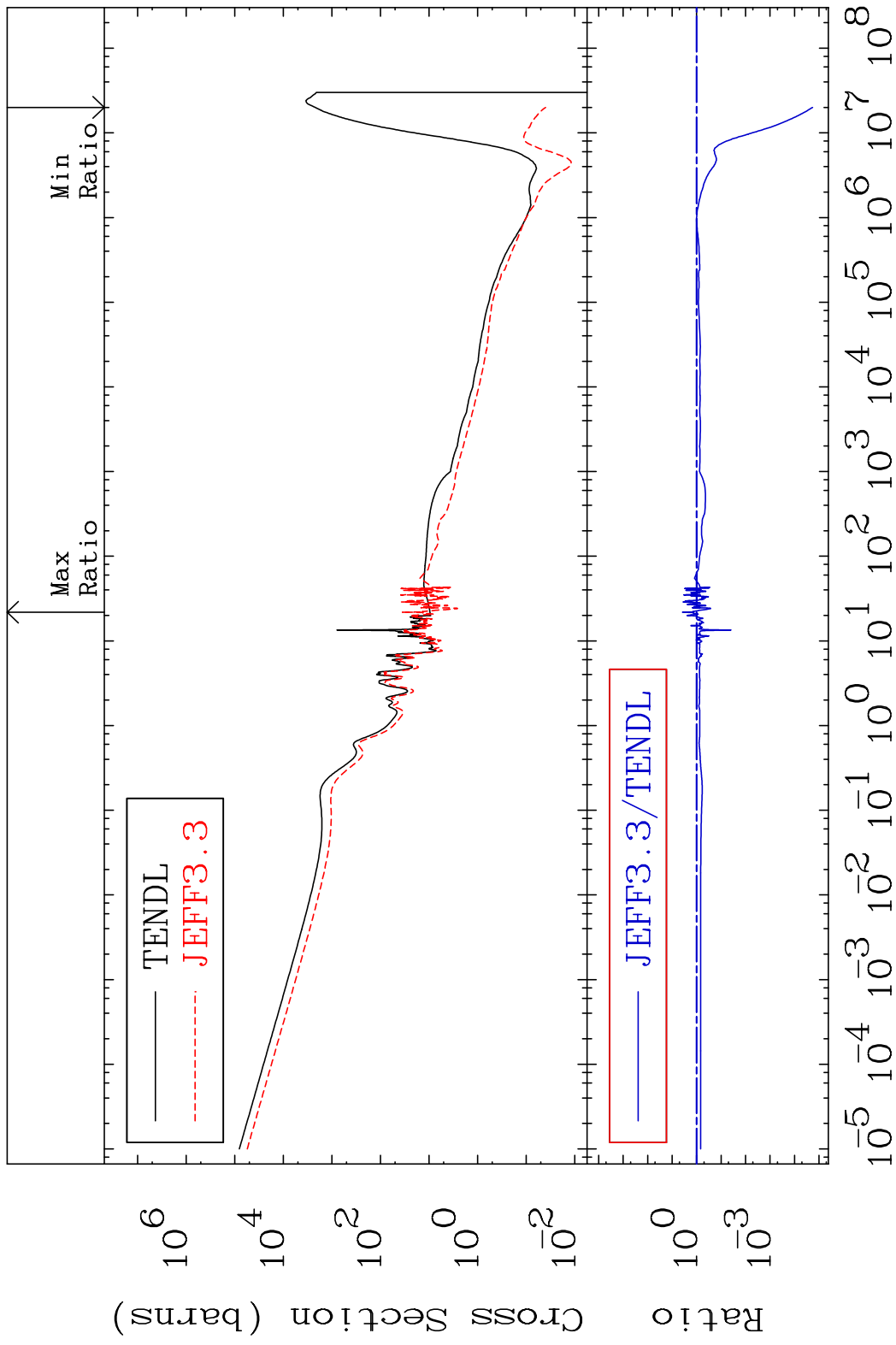
-4.804%



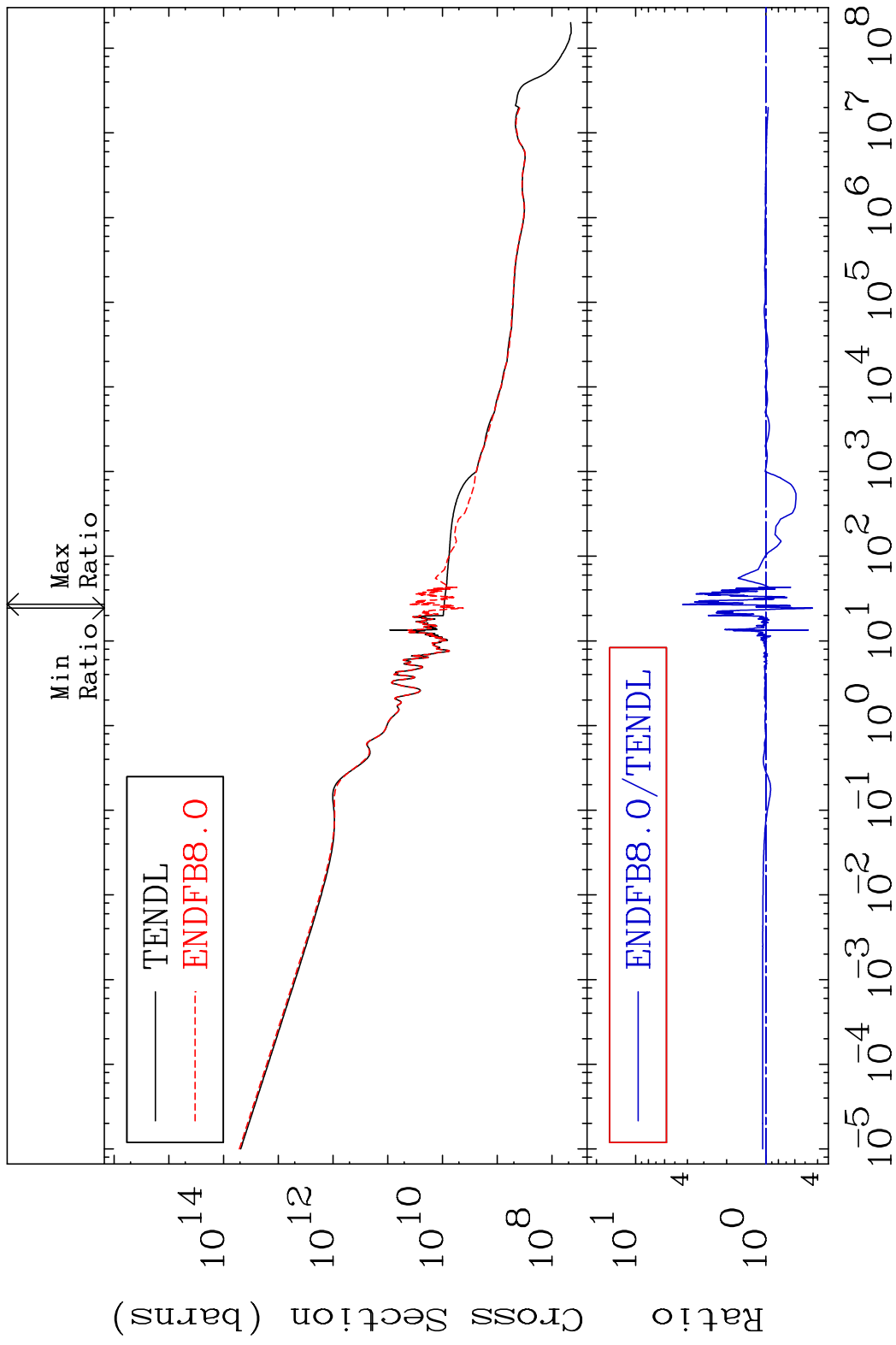
MAT 9547 Dpa inelastic (mt51-91) 95-Am-242m
 Cross Section -25.64 To 1390. %



MAT 9547 Dpa disappearance (mt102 -120) 95-Am-242m
 Cross Section -100.0 To 282.7 %



MAT 9547 Total kinematic kerma (high limit)95-Am-242m
 Cross Section -56.20 To 338.1 %



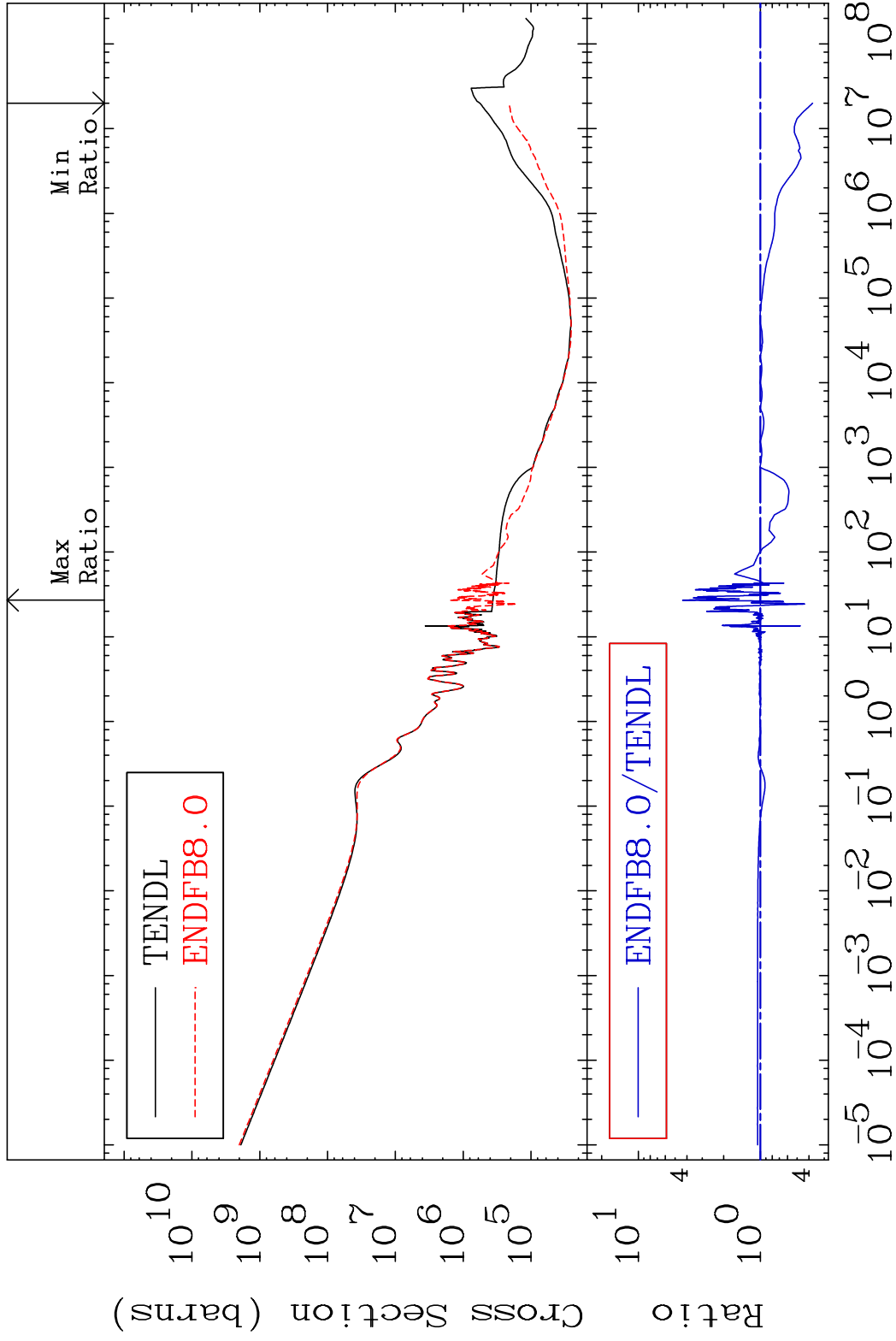
46 Incident Energy (eV) 95-Am-242m

MAT 9547

Dpa total (eV-barns)

95-Am-242m

Cross Section -62.67 To 335.7 %



47

Incident Energy (eV)

95-Am-242m

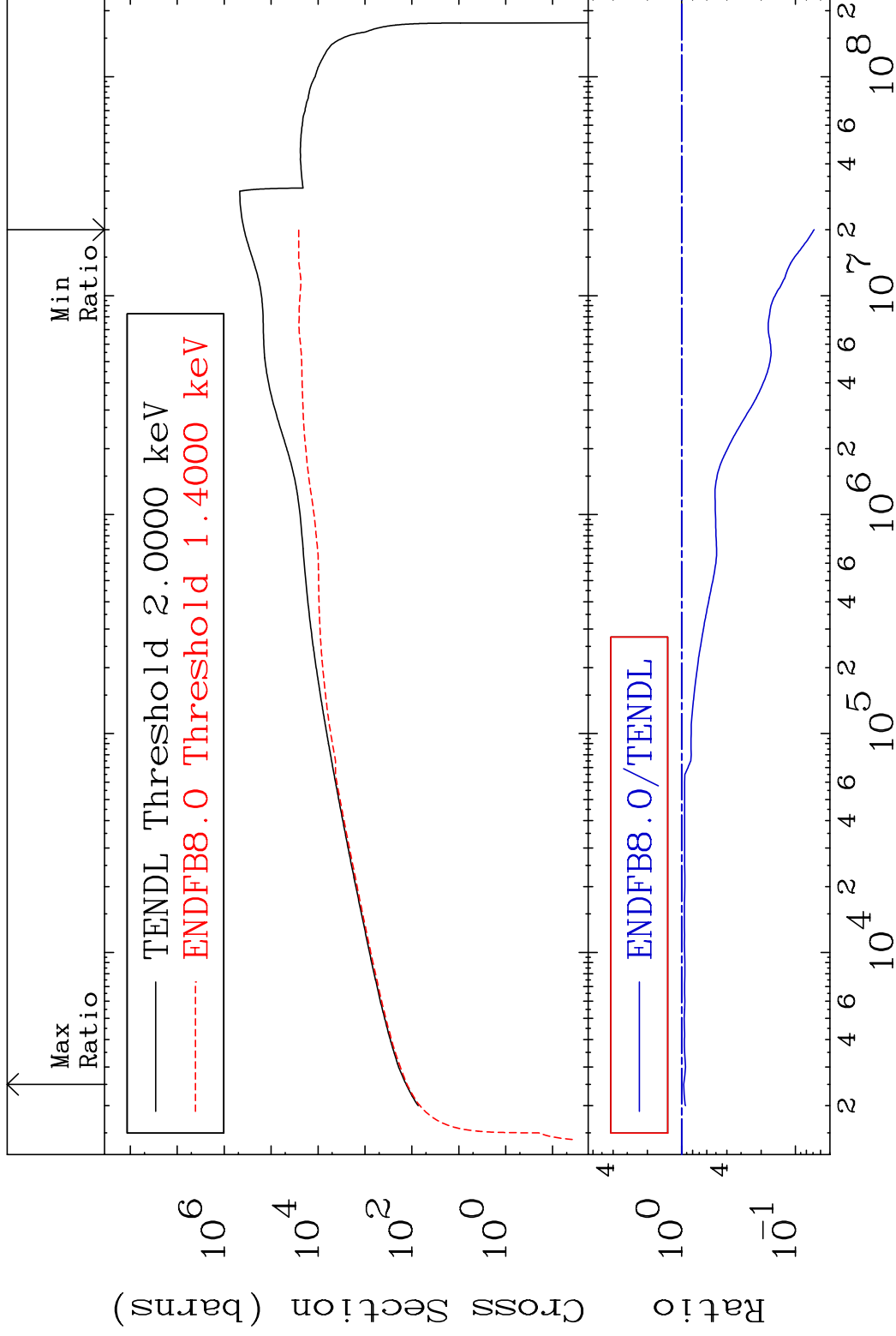
MAT 9547

Dpa elastic (mt2)

95-Am-242m

Cross Section

-93.15 To -4.208%

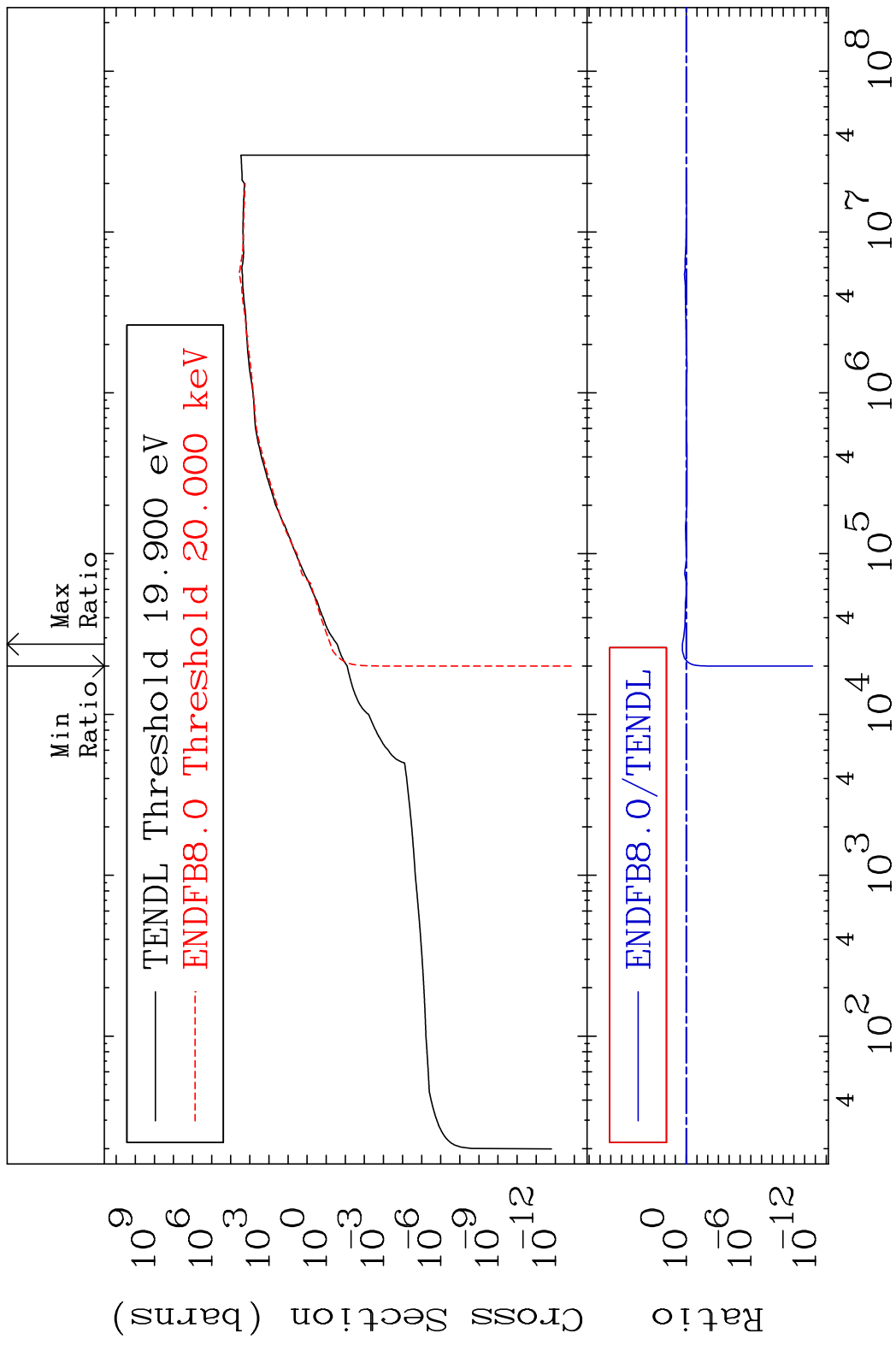


48

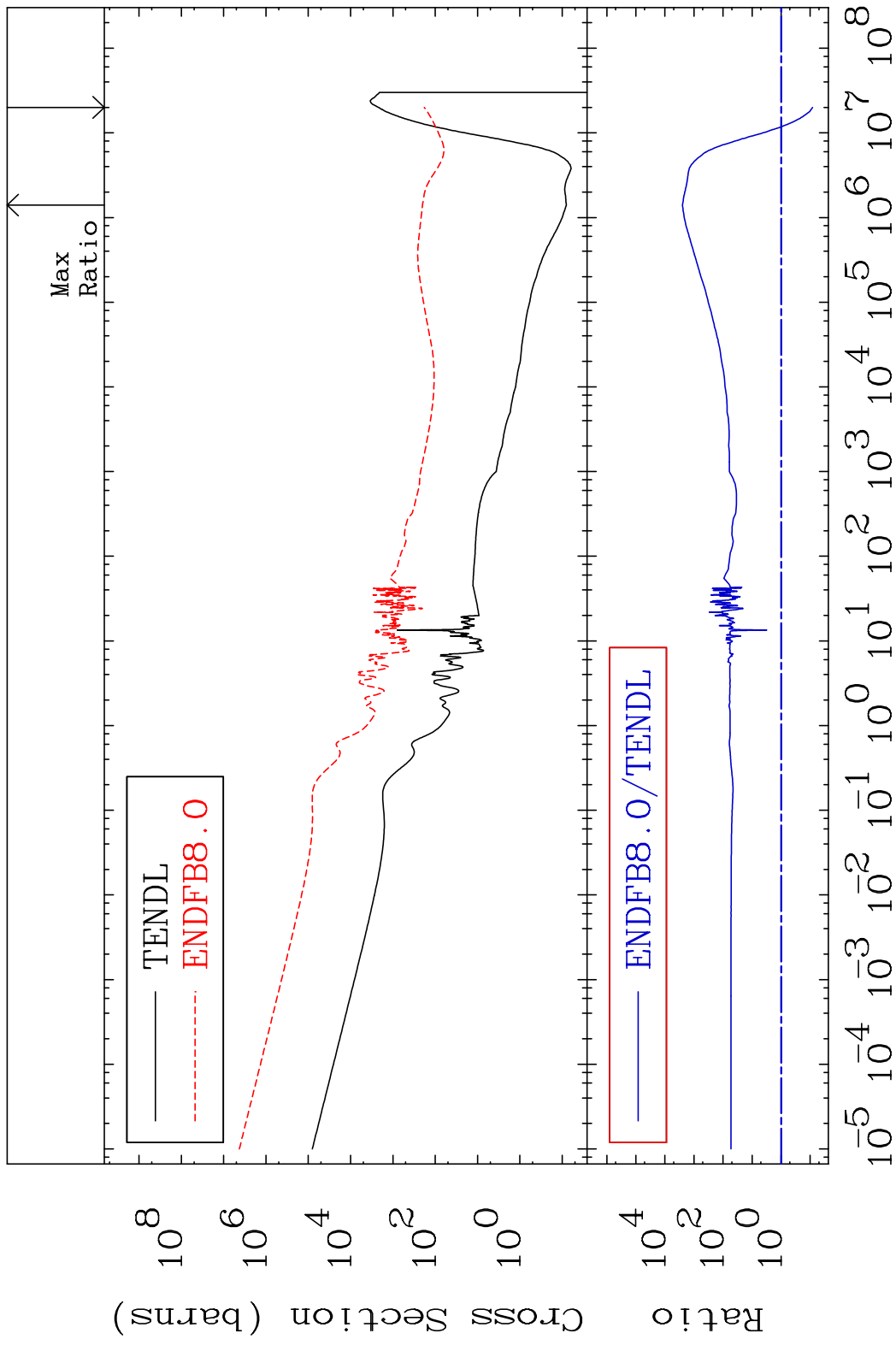
Incident Energy (eV)

95-Am-242m

MAT 9547 Dpa inelastic (mt51-91) 95-Am-242m
 Cross Section -100.0 To 125.4 %



MAT 9547 Dpa disappearance (mt102 -120) 95-Am-242m
 Cross Section -91.72 To 9999. %



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