

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

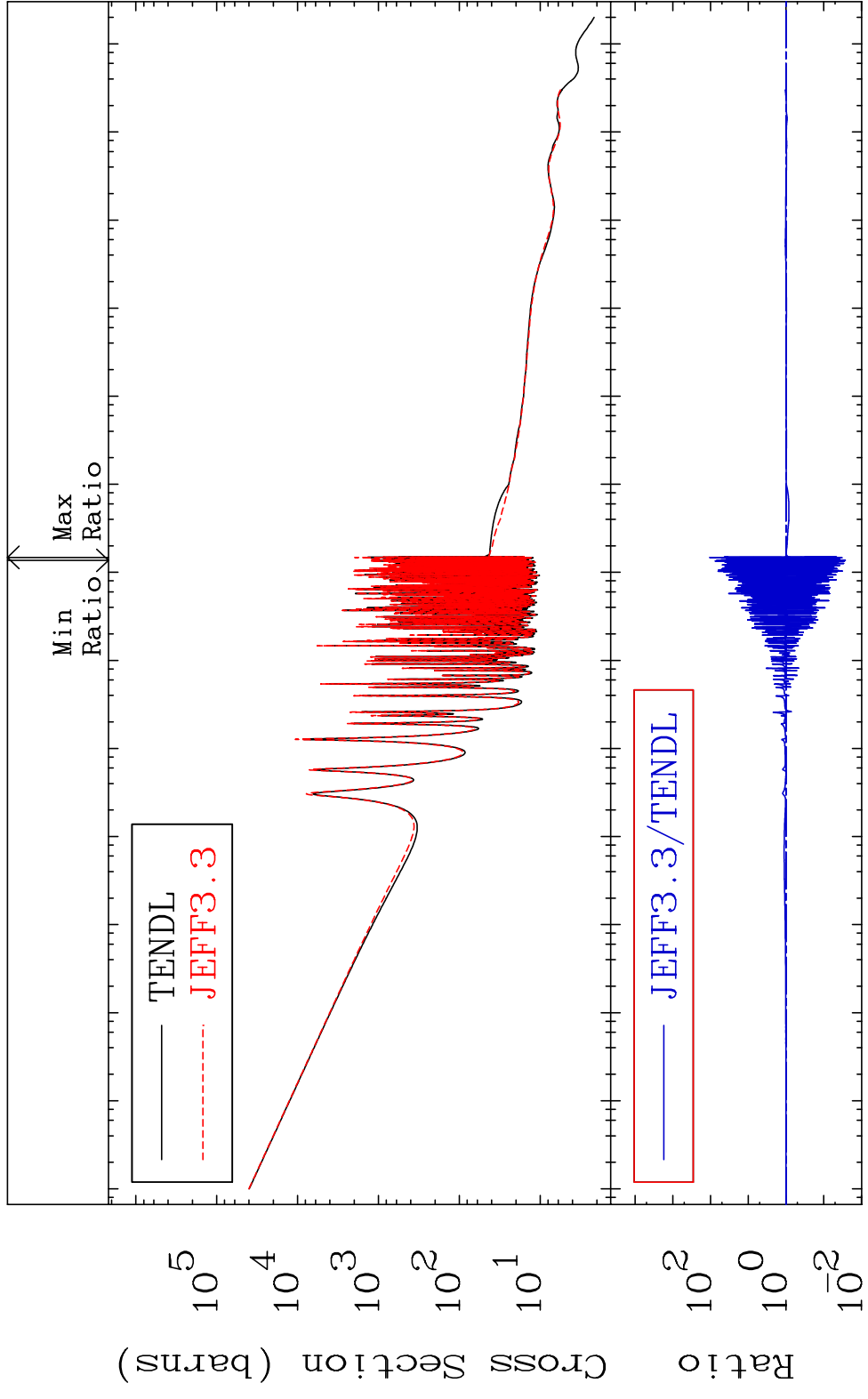
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 9543

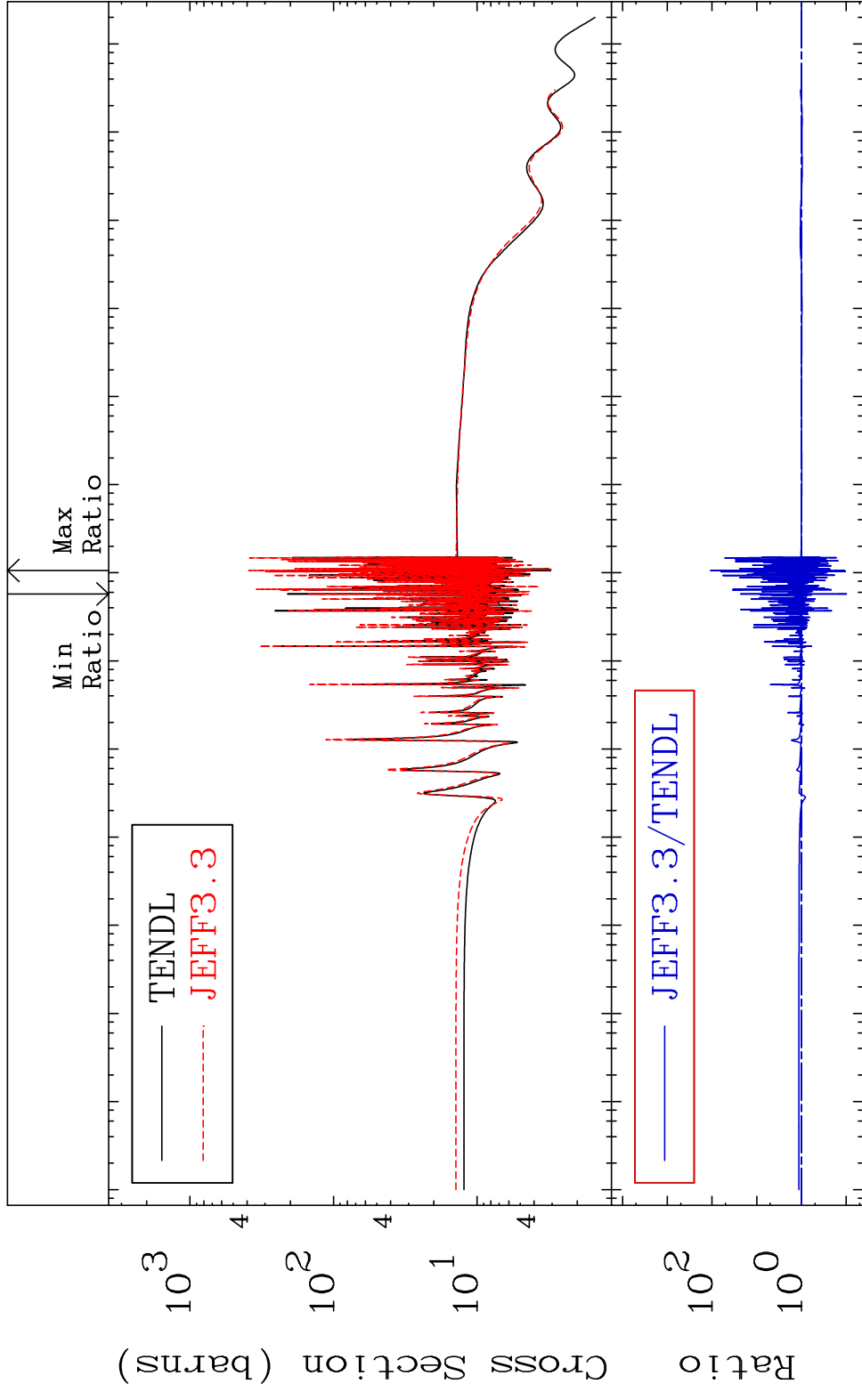
Total Cross Section -97.30 To 9999. % 95-Am-241



1 Incident Energy (eV) 95-Am-241

MAT 9543

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



Incident Energy (eV) 95-Am-241

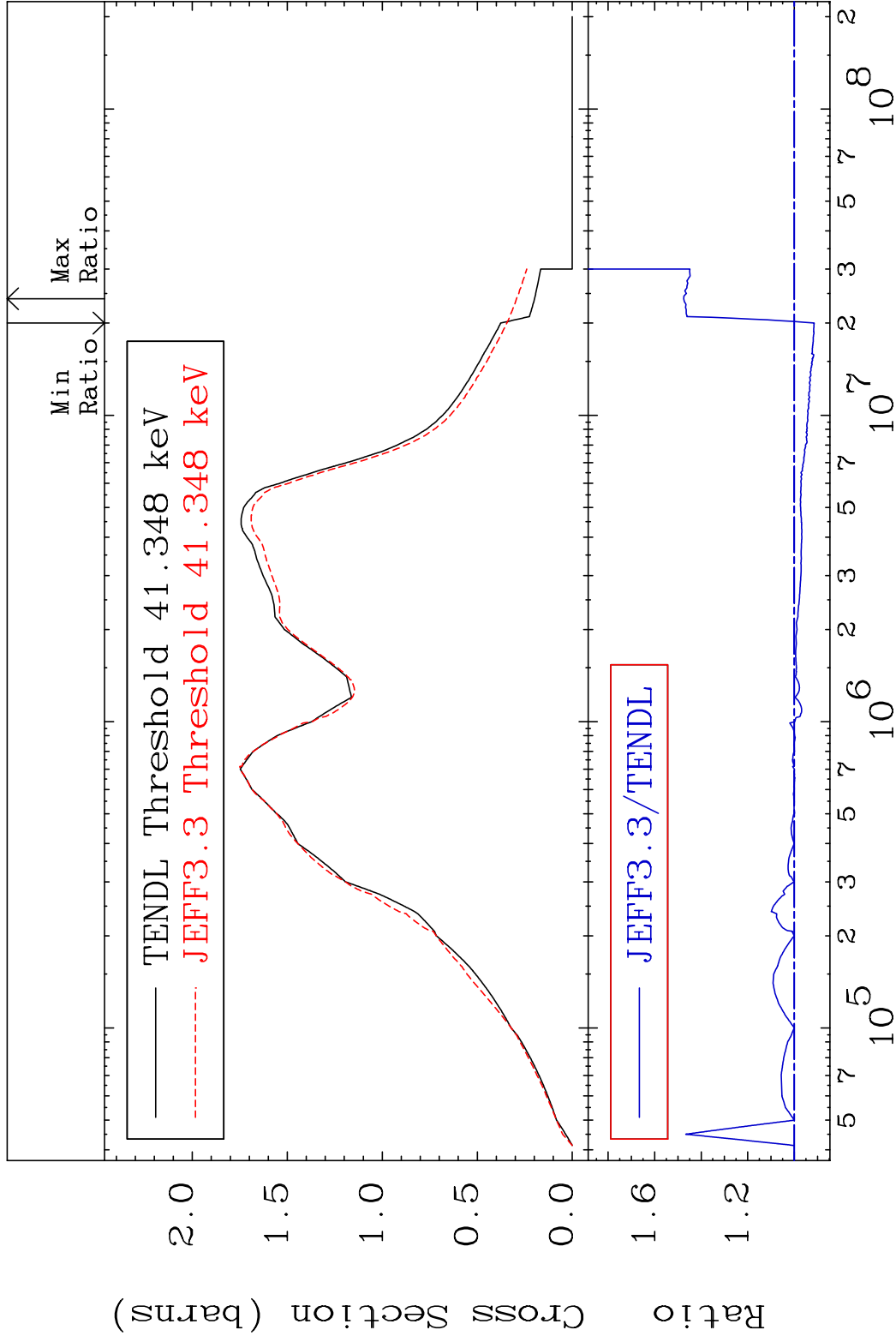
2

MAT 9543

Inelastic

95-Am-241

Cross Section -8.536 To 47.53 %



3

Incident Energy (eV)

95-Am-241

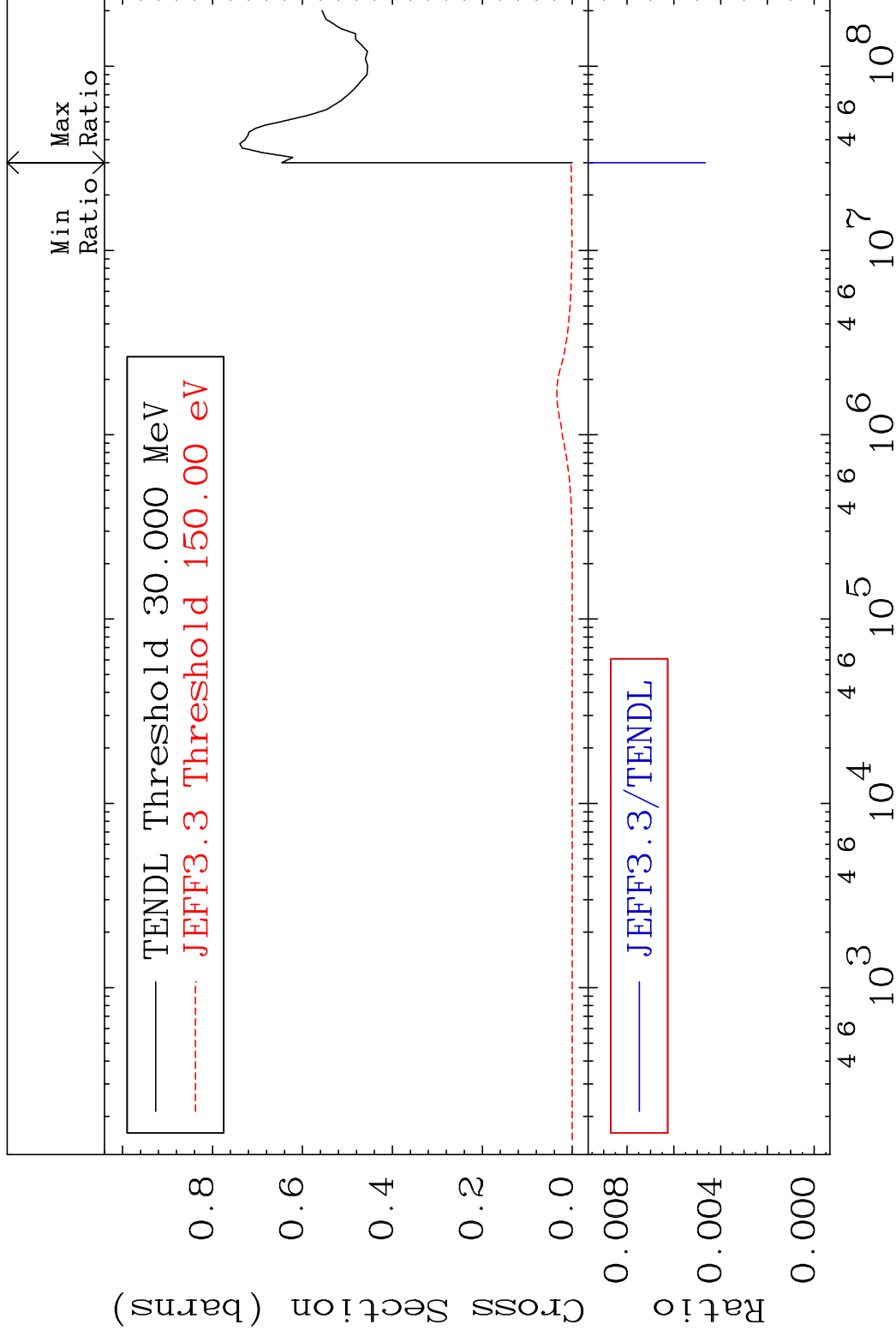
MAT 9543

(n, remainder)

95-Am-241

Cross Section

-99.53 To -99.53%

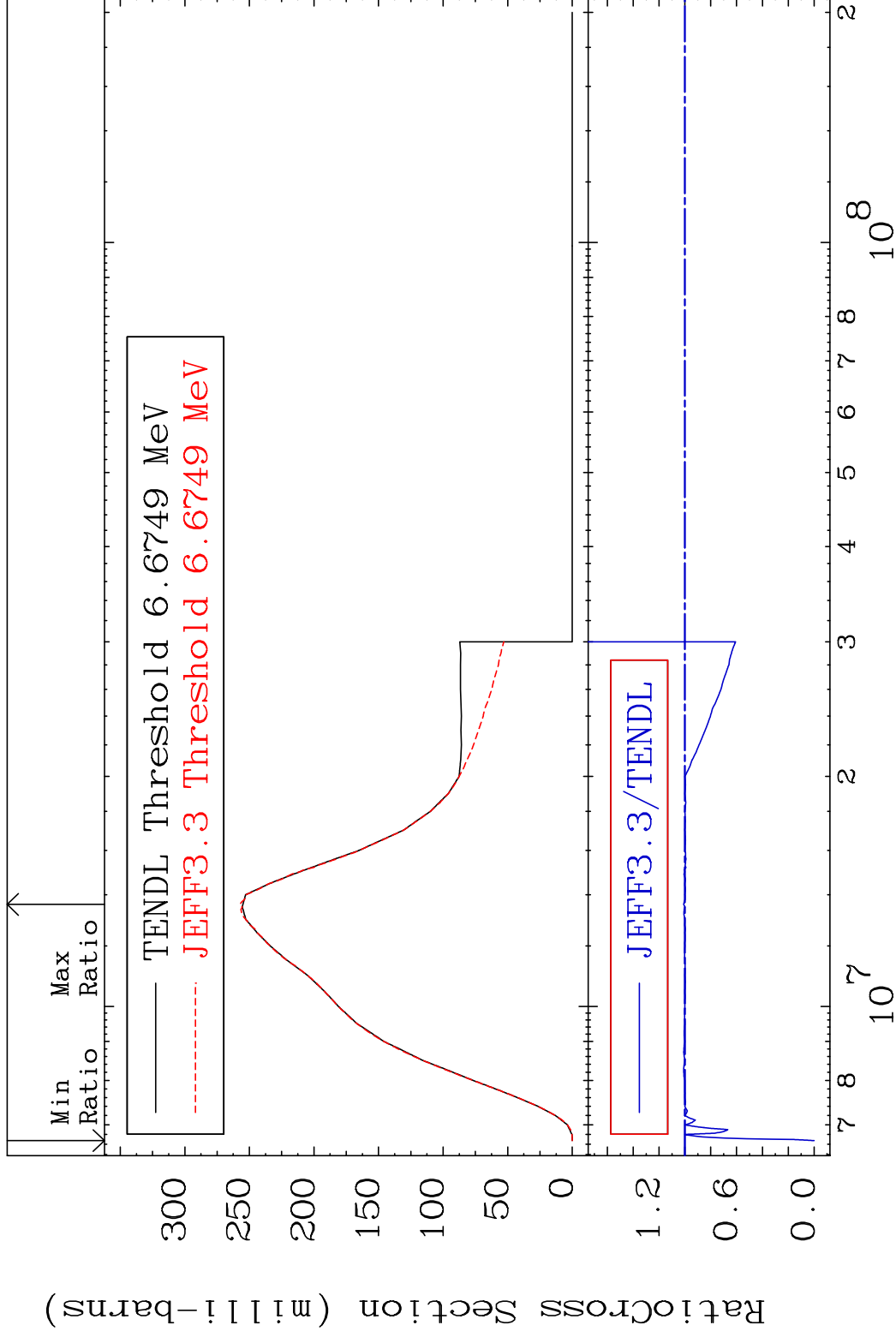


MAT 9543

(n,2n)

95-Am-241

Cross Section -100.0 To 0.961 %



5

Incident Energy (eV)

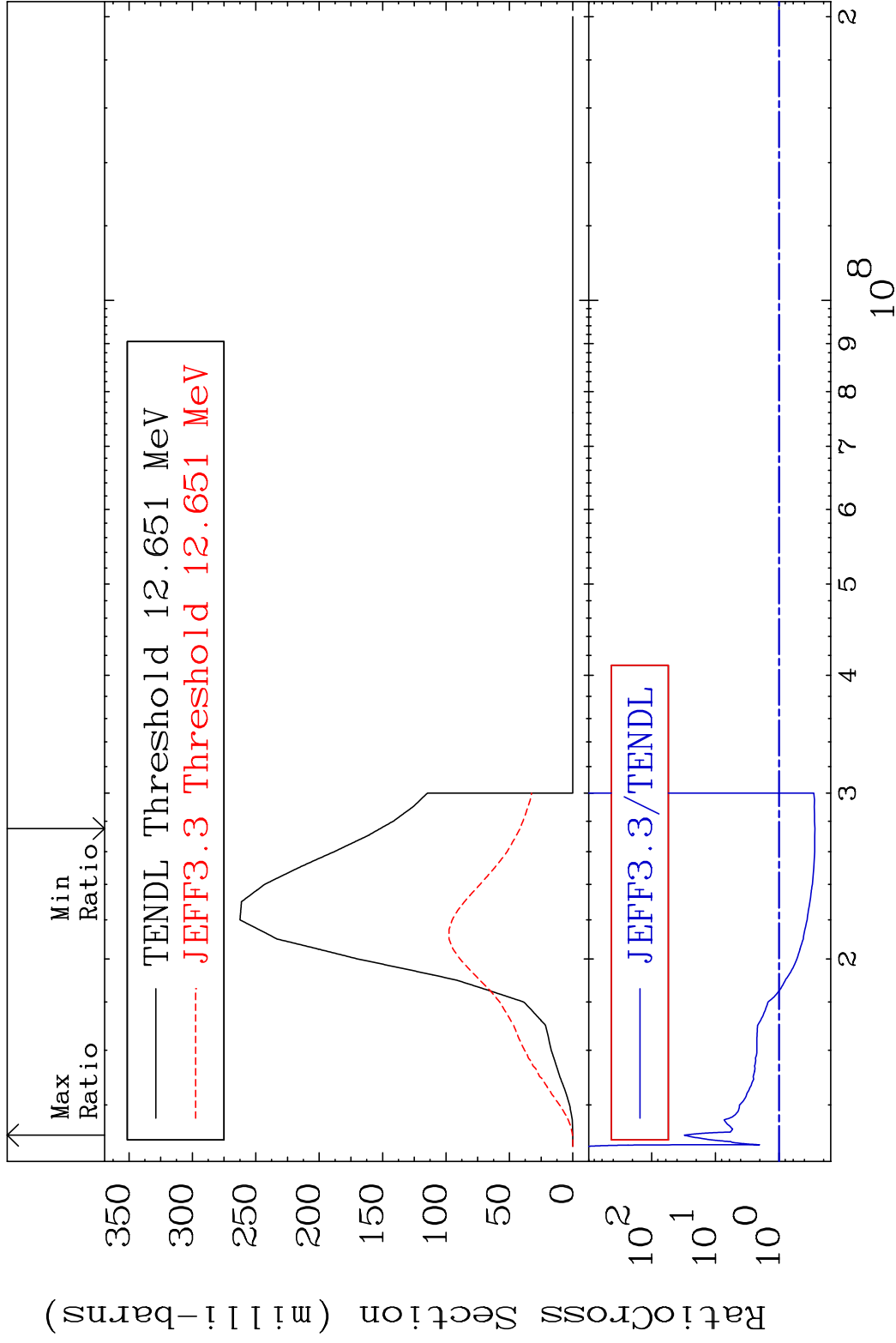
95-Am-241

MAT 9543

(n,3n)

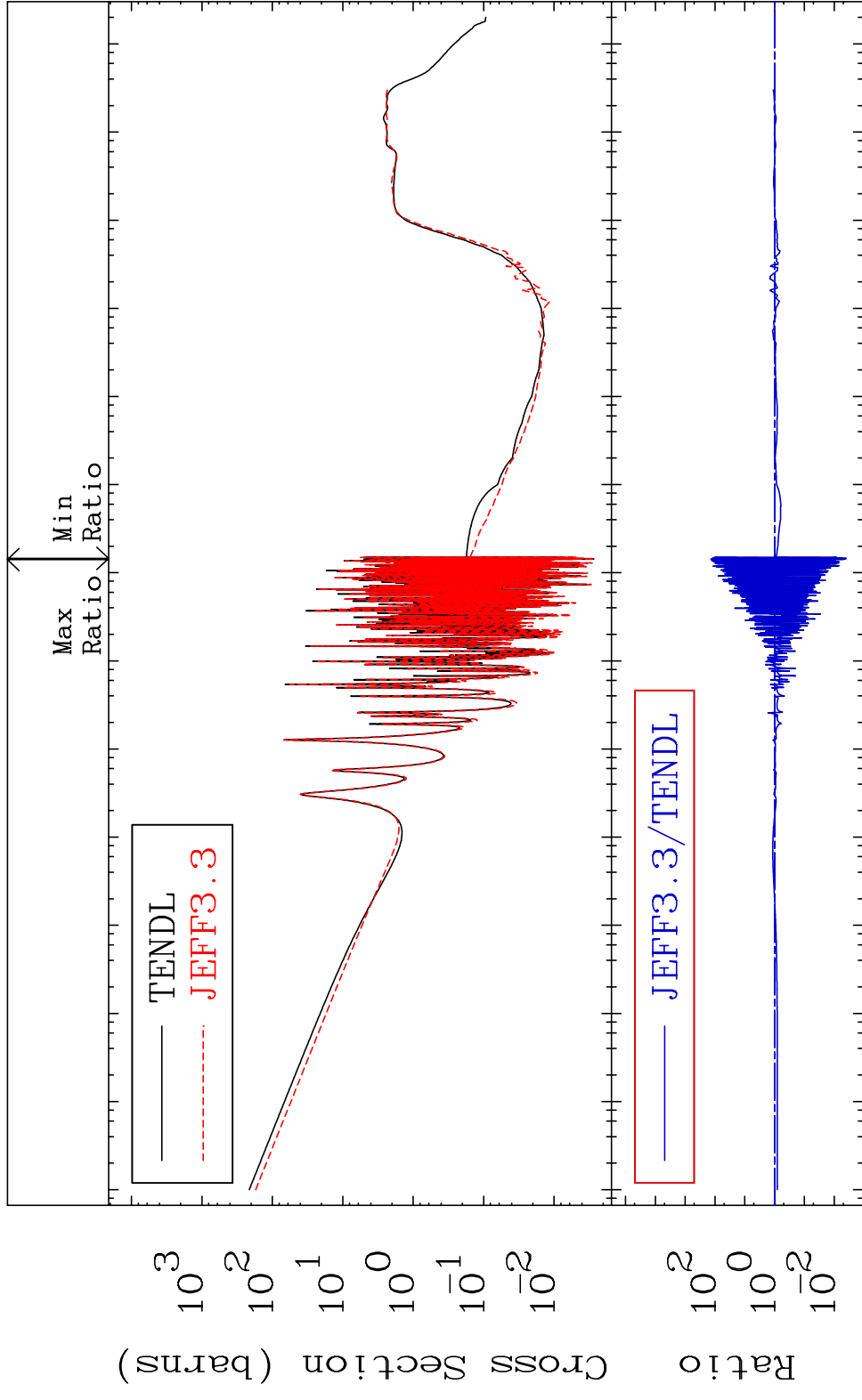
95-Am-241

Cross Section -72.59 To 2973. %



MAT 9543

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



7

Incident Energy (eV)

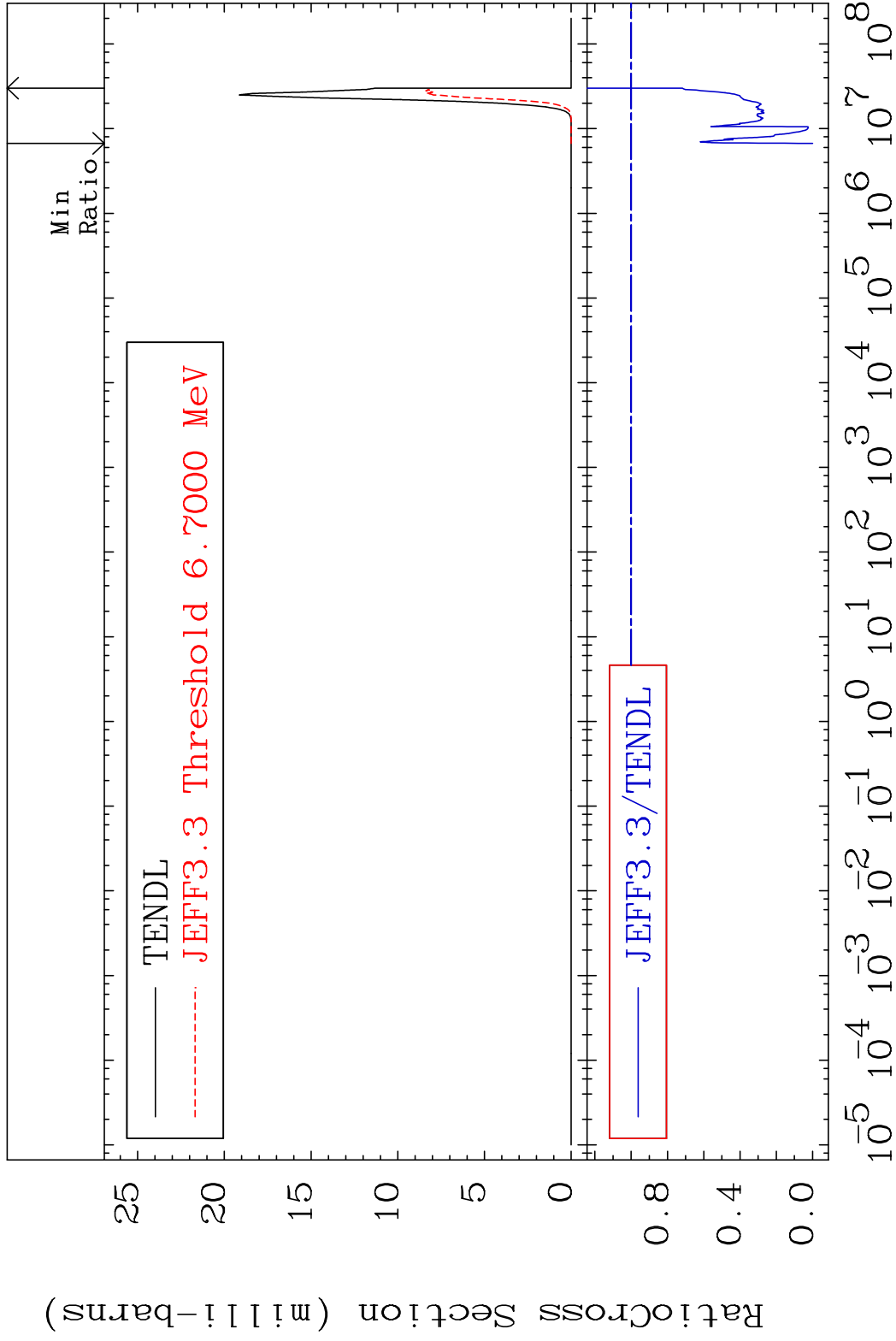
95-Am-241

MAT 9543

(n, n') α

95-Am-241

Cross Section -100.0 To -28.22%



8

Incident Energy (eV)

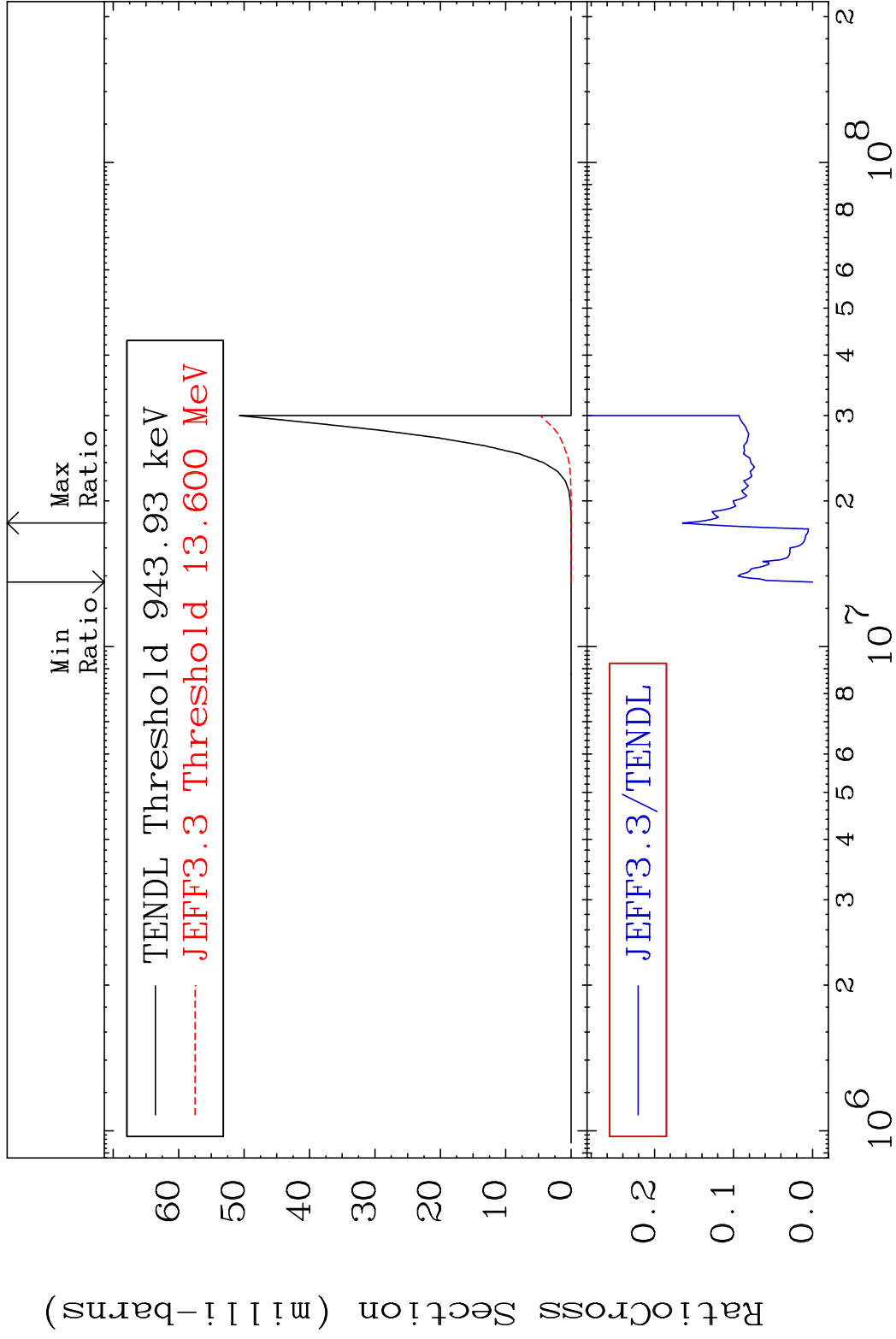
95-Am-241

MAT 9543

(n,2n) α

95-Am-241

Cross Section -100.0 To -83.52%

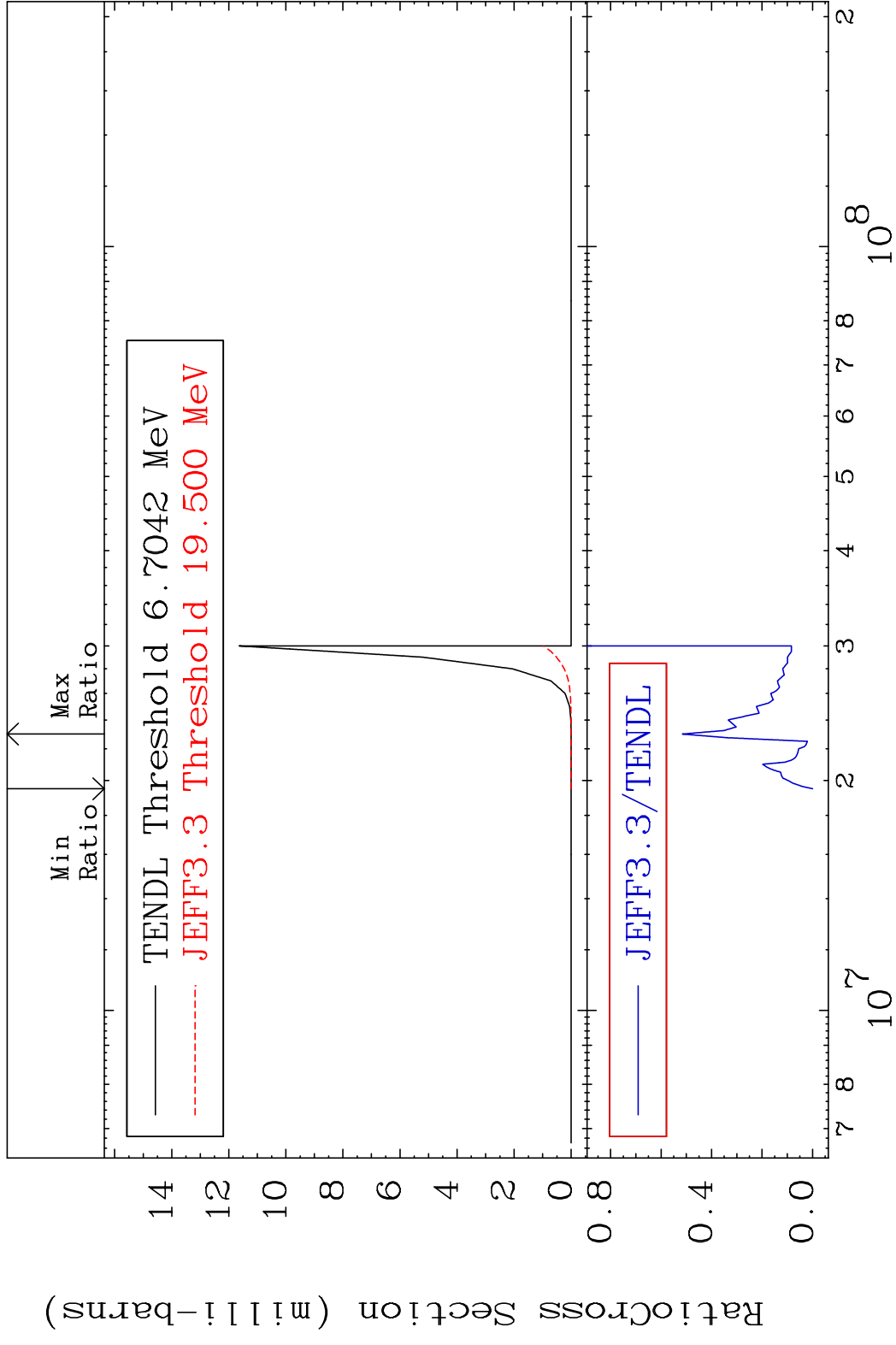


9

Incident Energy (eV)

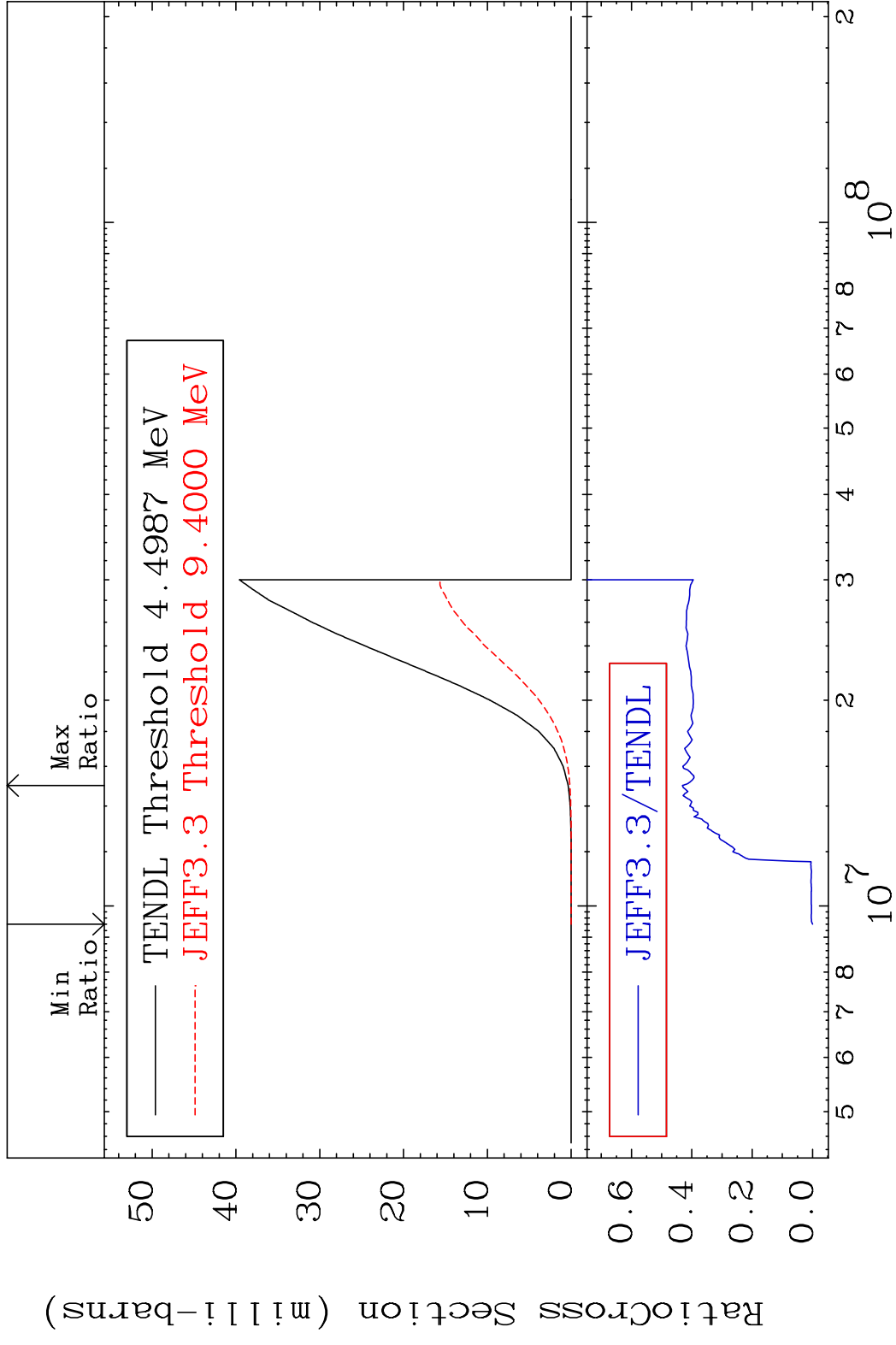
95-Am-241

MAT 9543 (n,3n) α 95-Am-241
 Cross Section -100.0 To -48.41%



10 Incident Energy (eV) 95-Am-241

MAT 9543 (n, n') p 95-Am-241
 Cross Section -100.0 To -56.86%

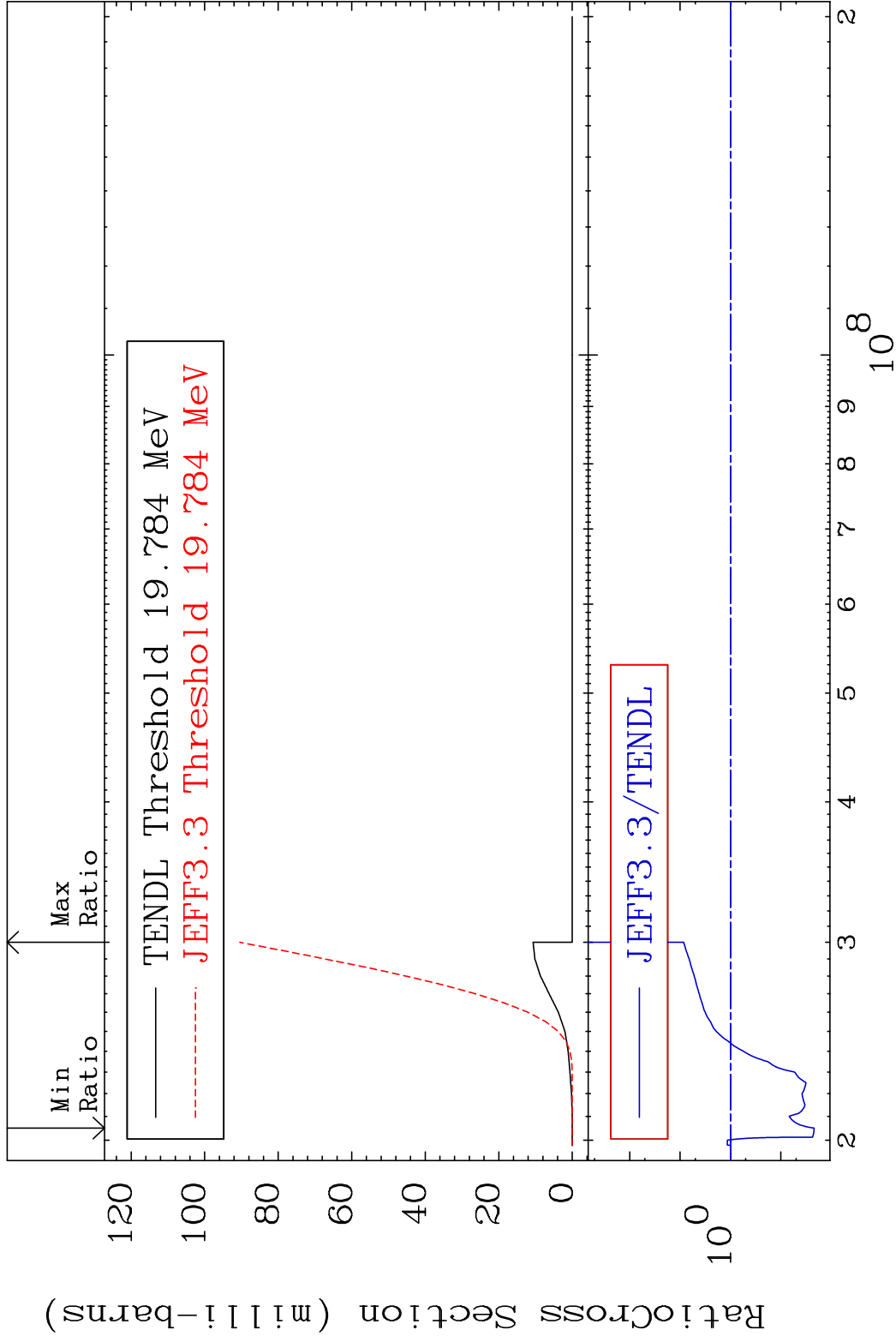


MAT 9543

(n, 4n)

95-Am-241

Cross Section -97.81 To 749.4 %



12

Incident Energy (eV)

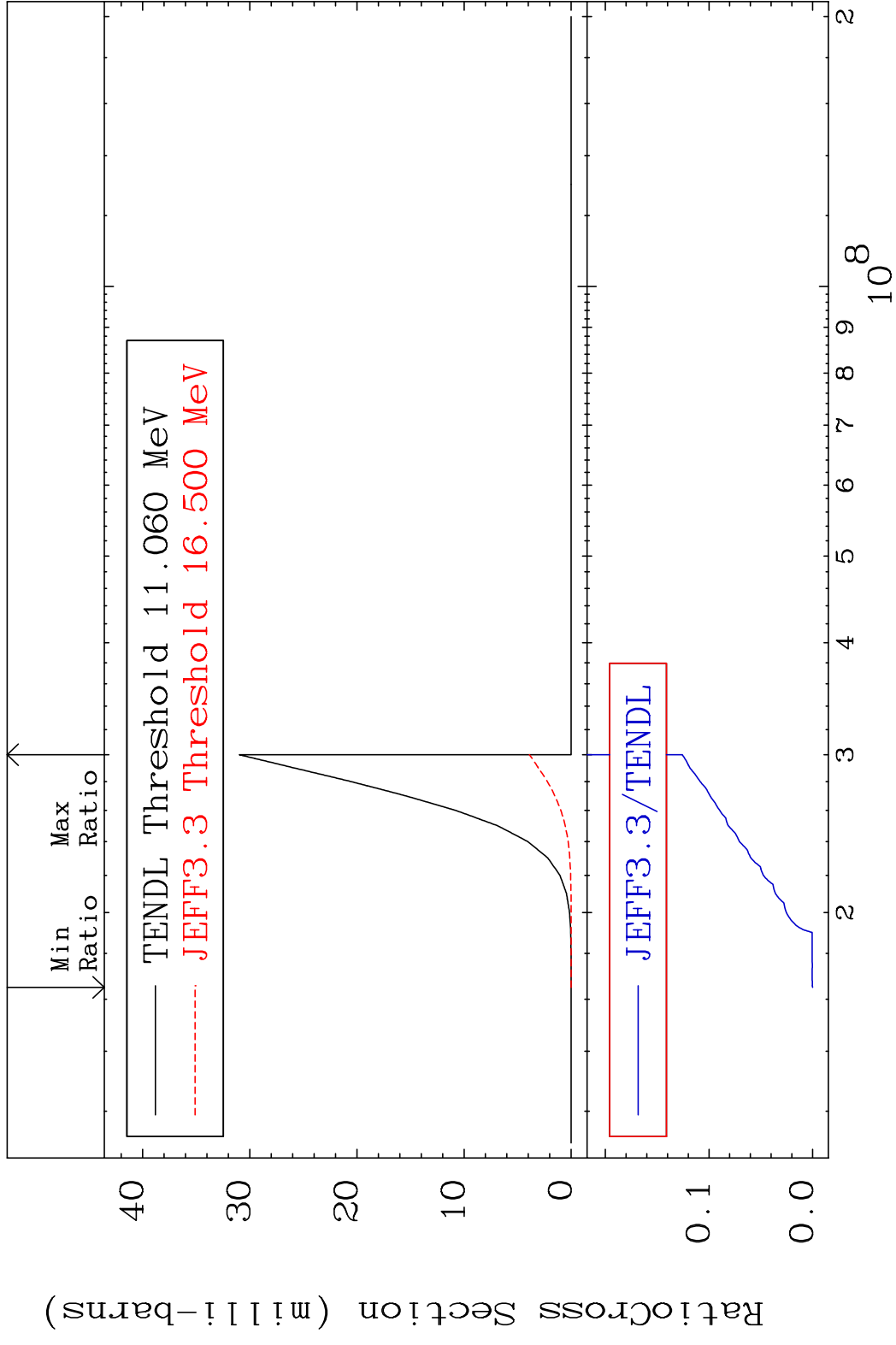
95-Am-241

MAT 9543

(n,2n) p

95-Am-241

Cross Section -100.0 To -87.43%

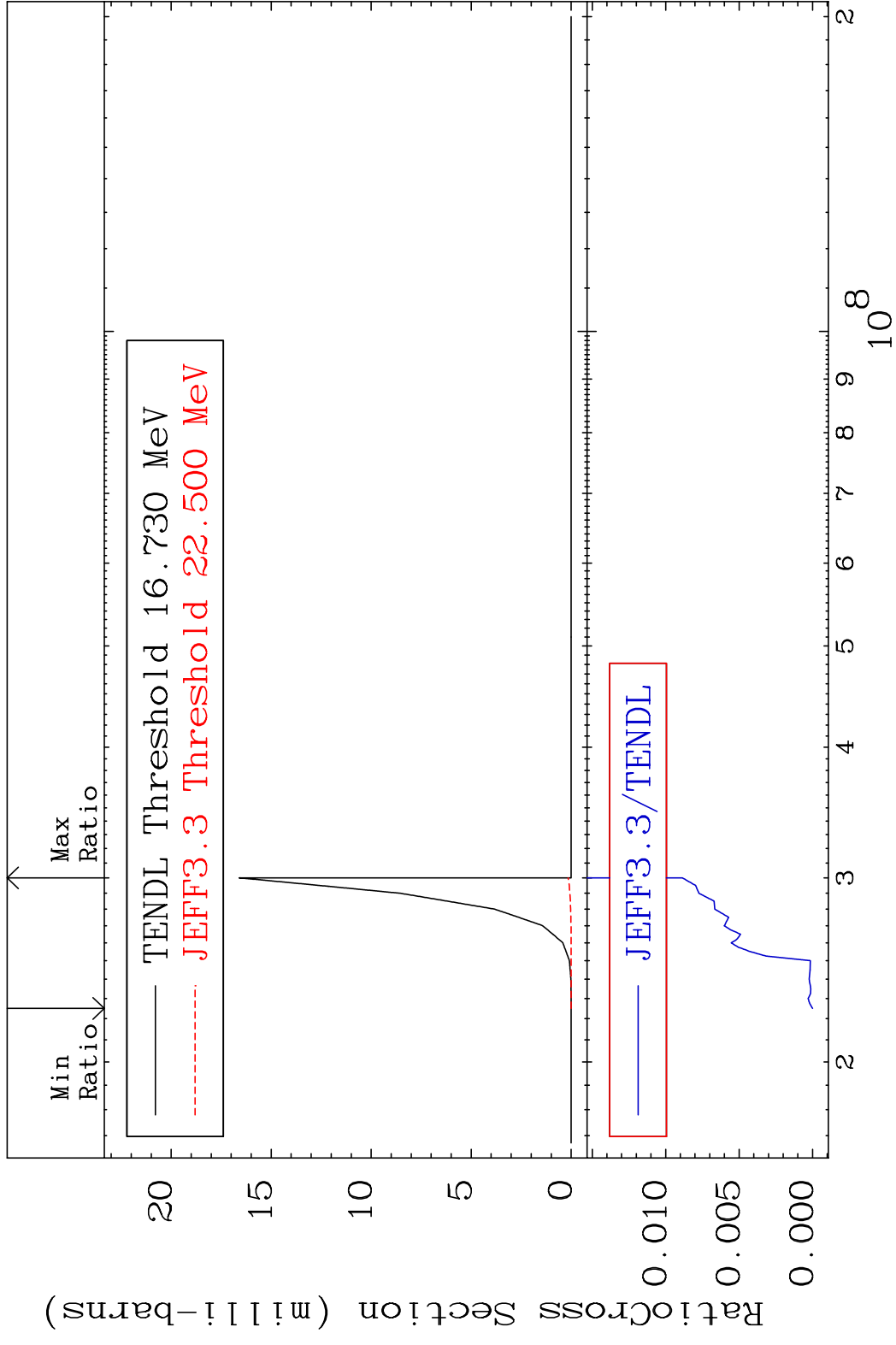


MAT 9543

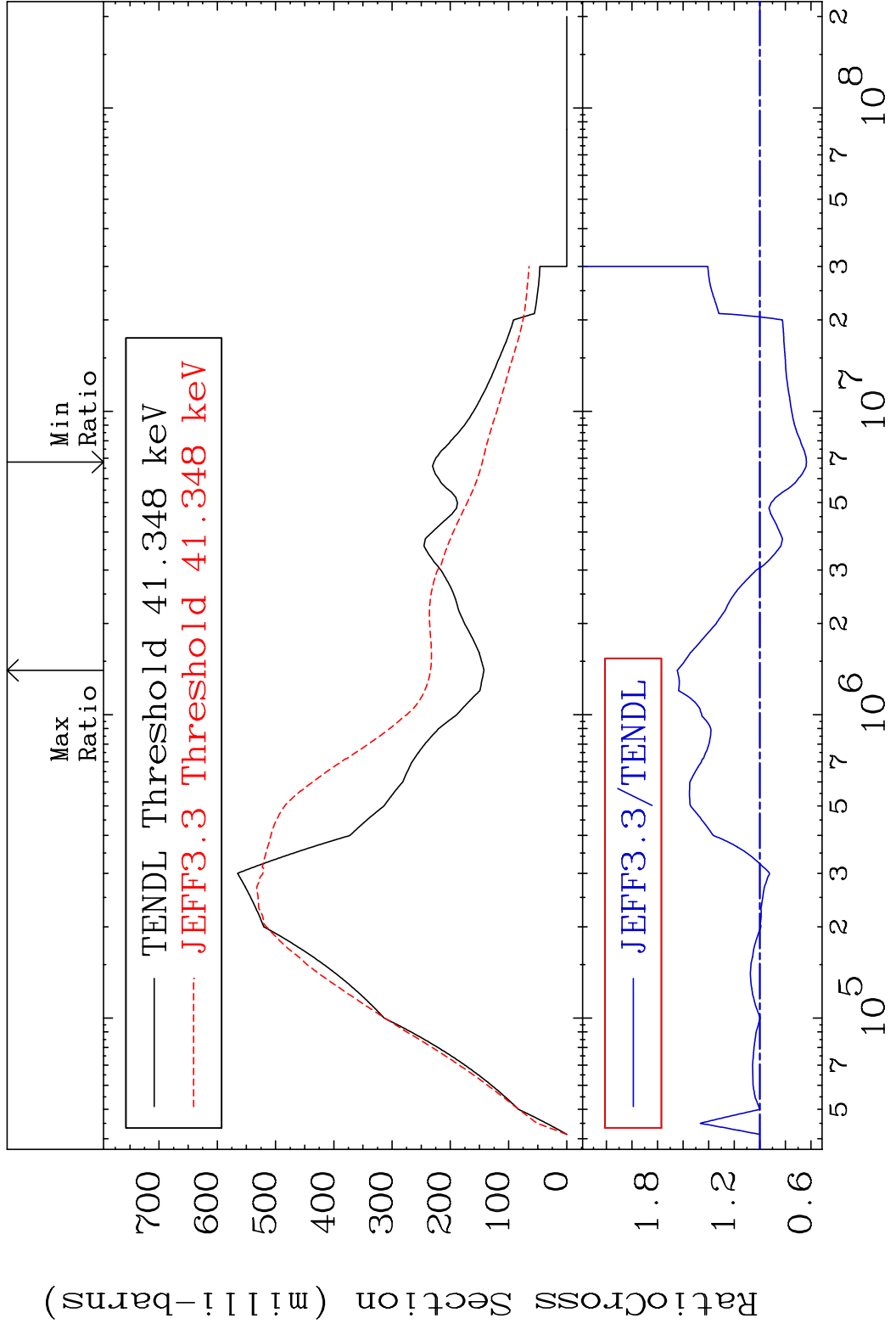
(n,3n) p

95-Am-241

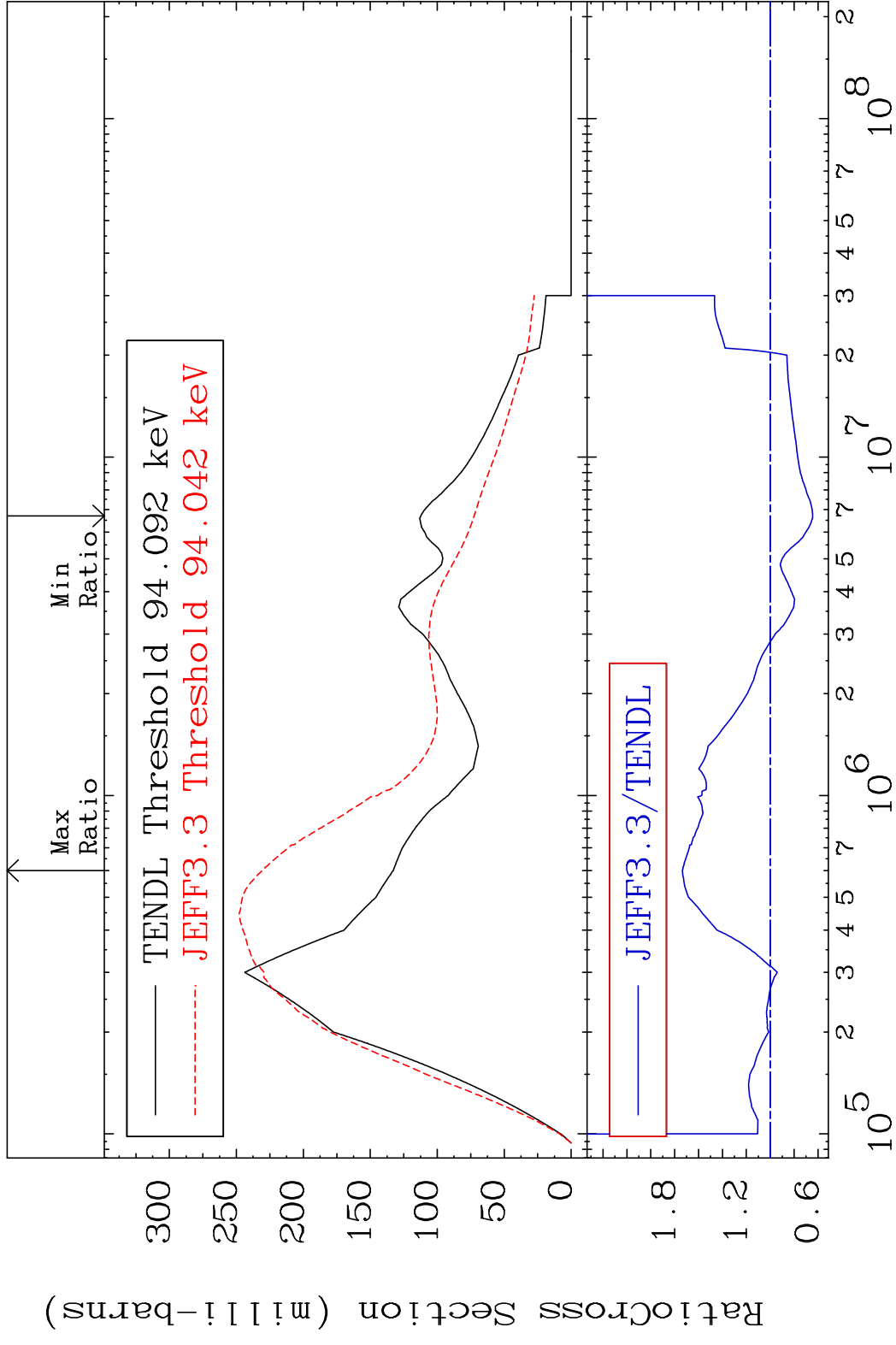
Cross Section -100.0 To -99.11%



MAT 9543 MT= 51 (n, n') Level 95-Am-241
 Cross Section -36.45 To 64.61 %

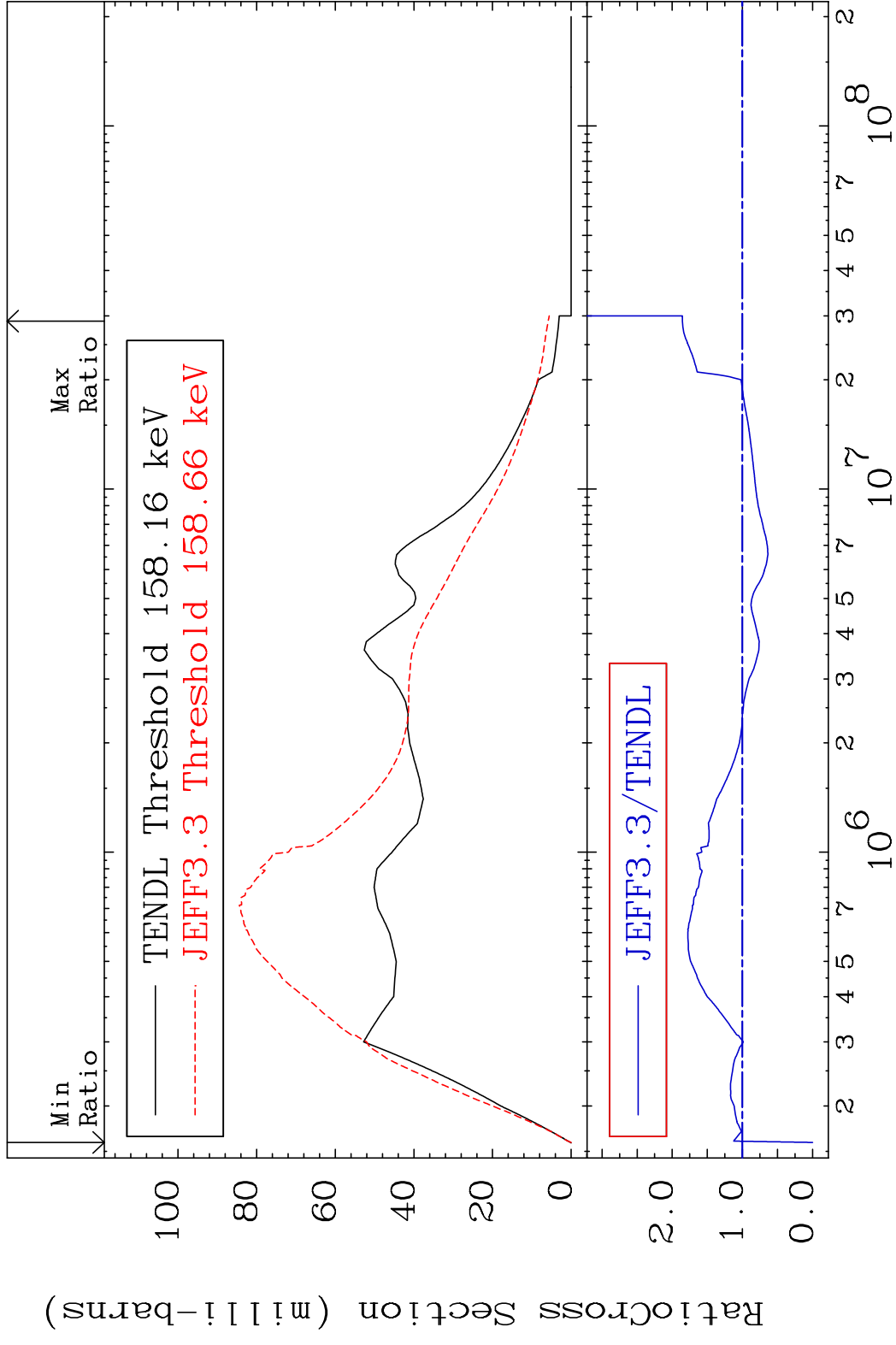


MAT 9543 MT= 52 (n, n') Level 95-Am-241
 Cross Section -35.42 To 73.56 %

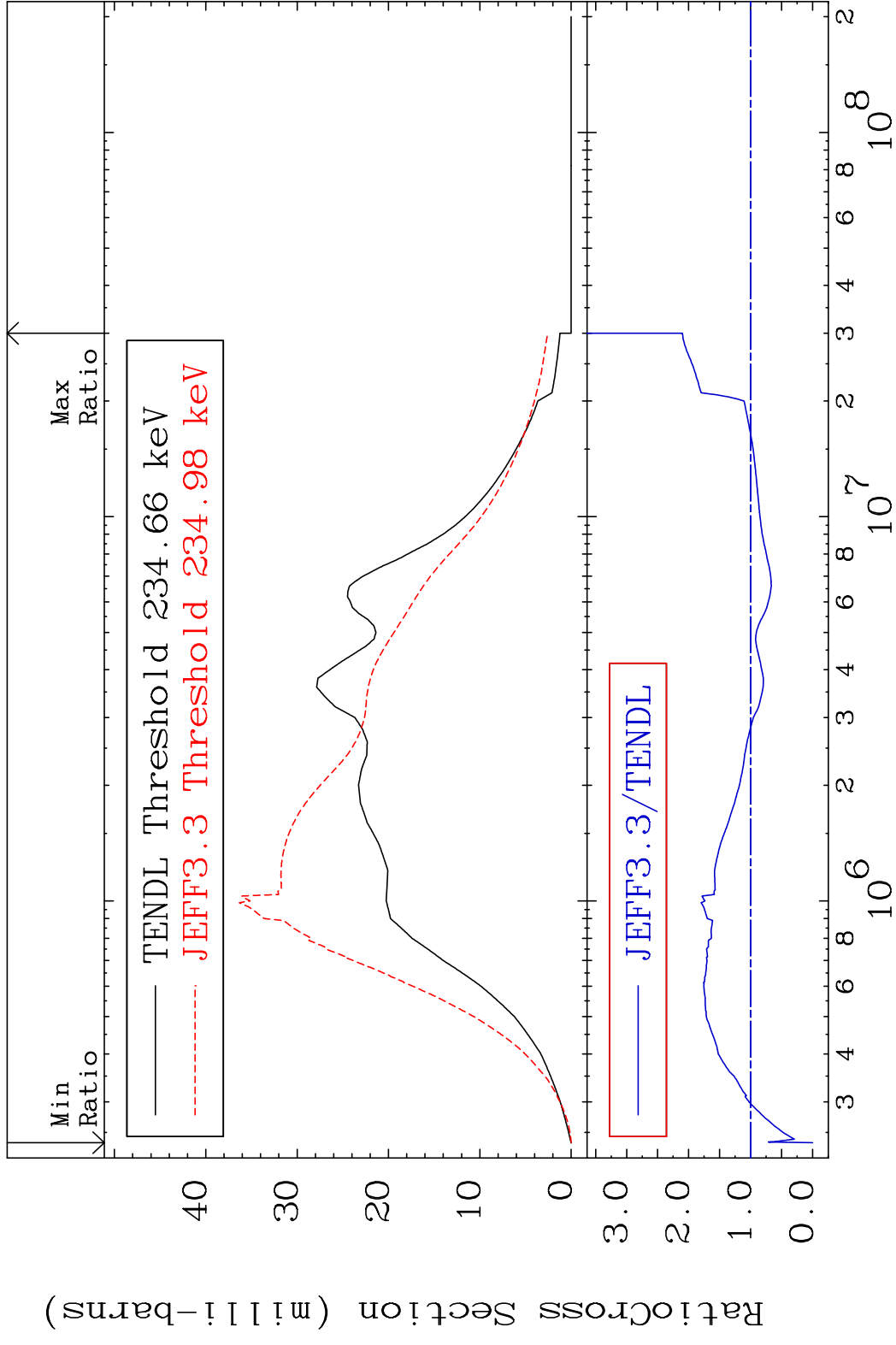


16 Incident Energy (eV) 95-Am-241

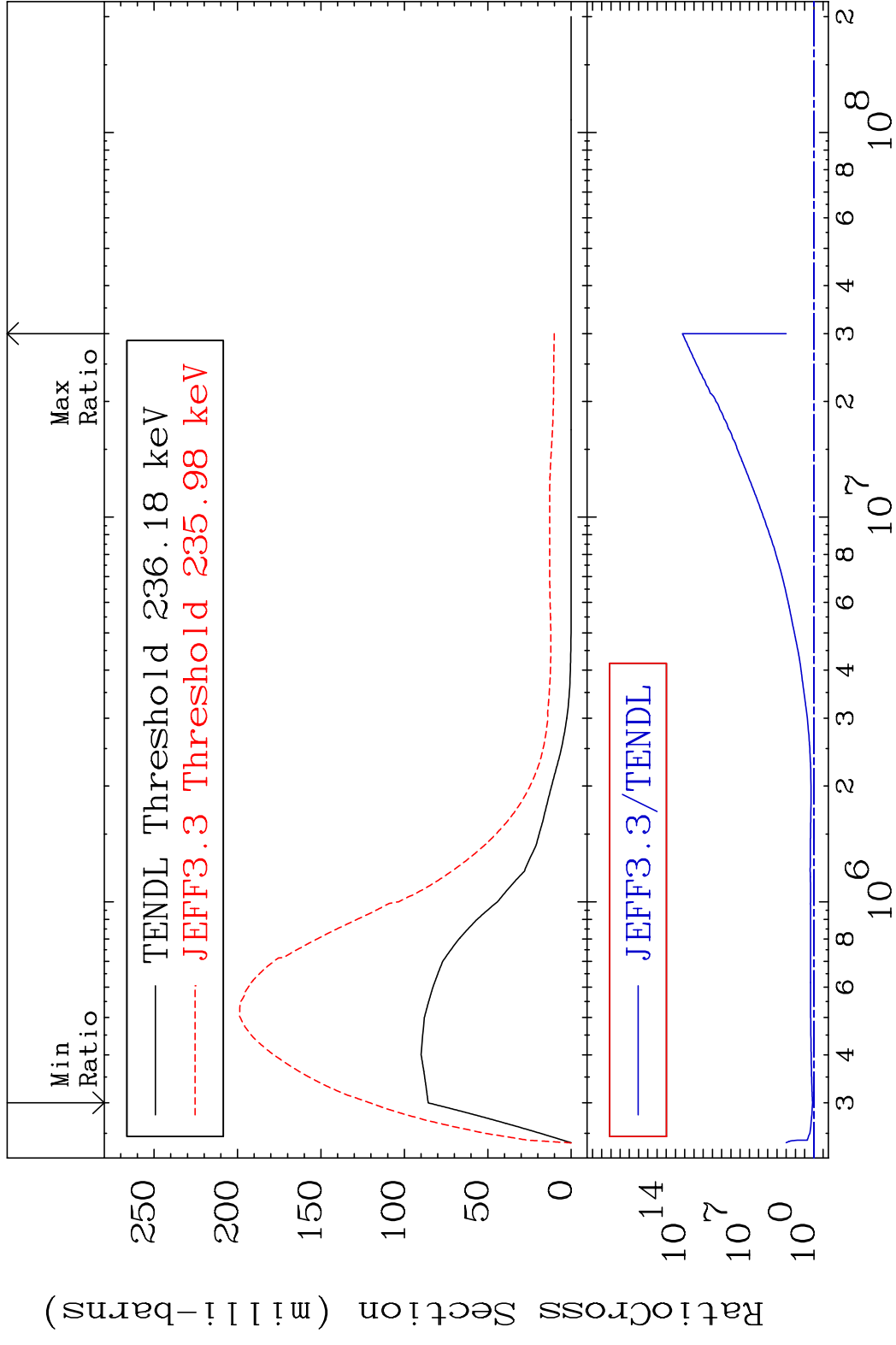
MAT 9543 MT= 53 (n, n') Level 95-Am-241
 Cross Section -100.0 To 85.56 %



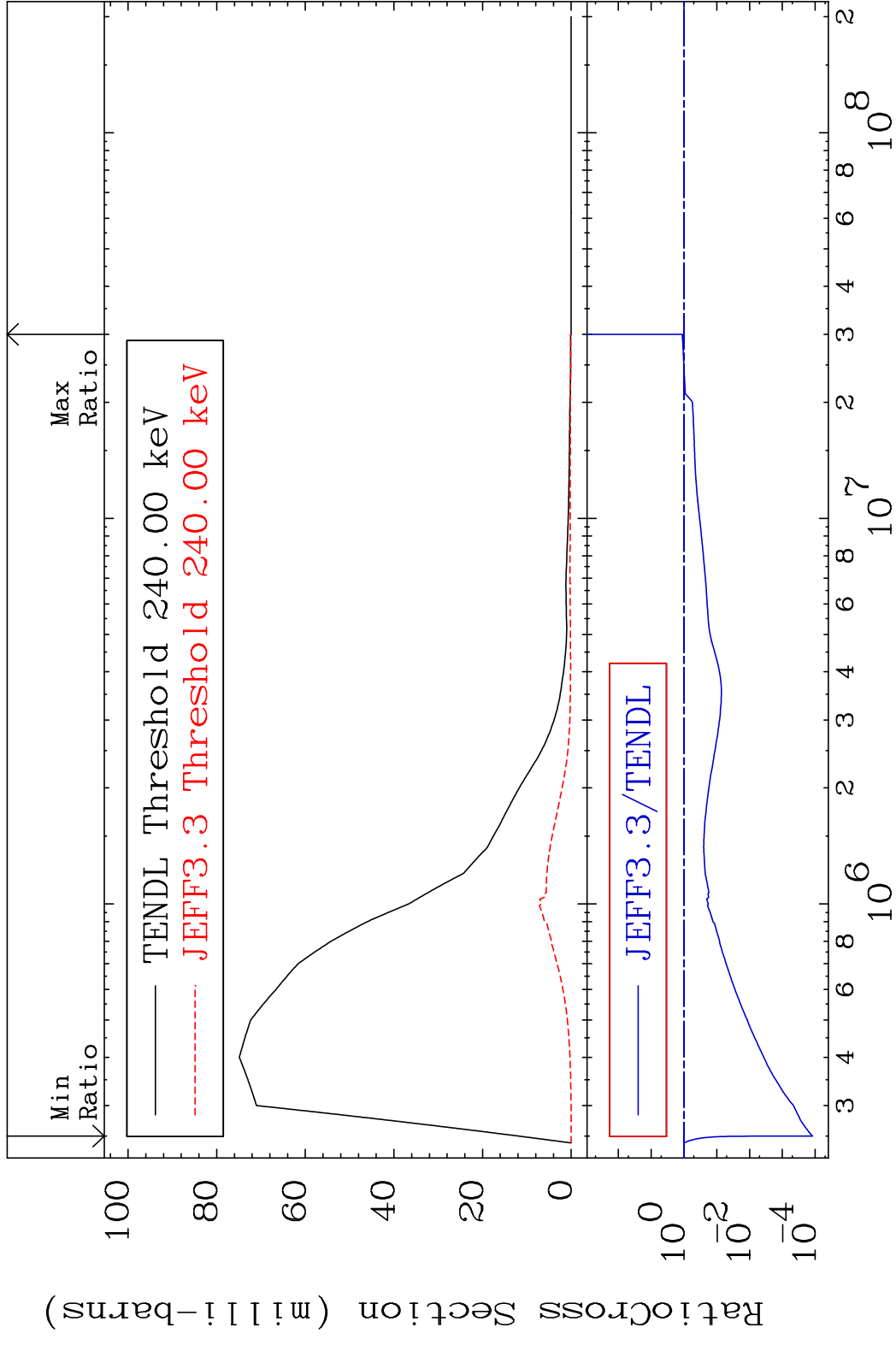
MAT 9543 MT= 55 (n, n') Level 95-Am-241
 Cross Section -100.0 To 110.1 %



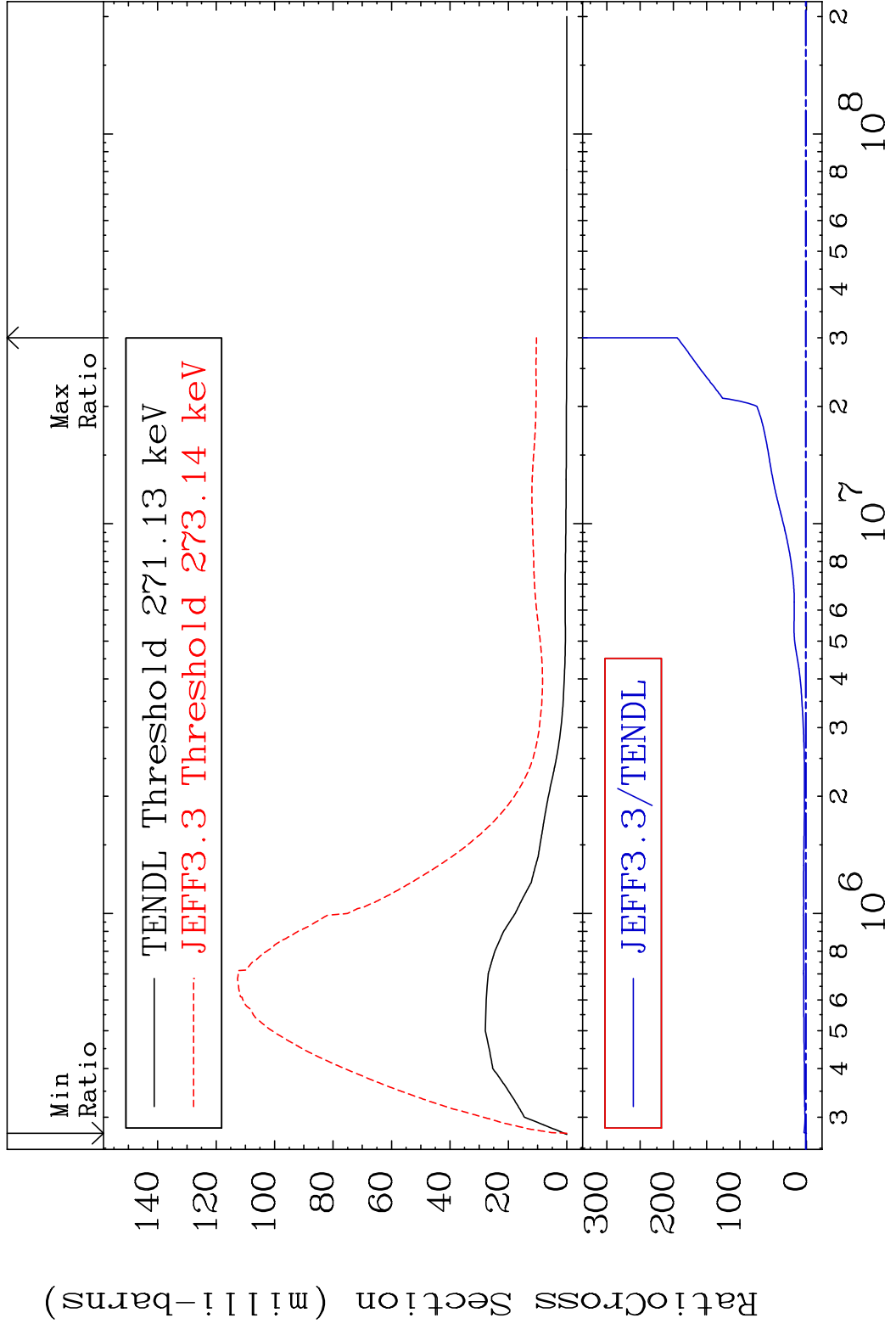
MAT 9543 MT= 56 (n,n') Level 95-Am-241
 Cross Section 40.73 To 9999. %



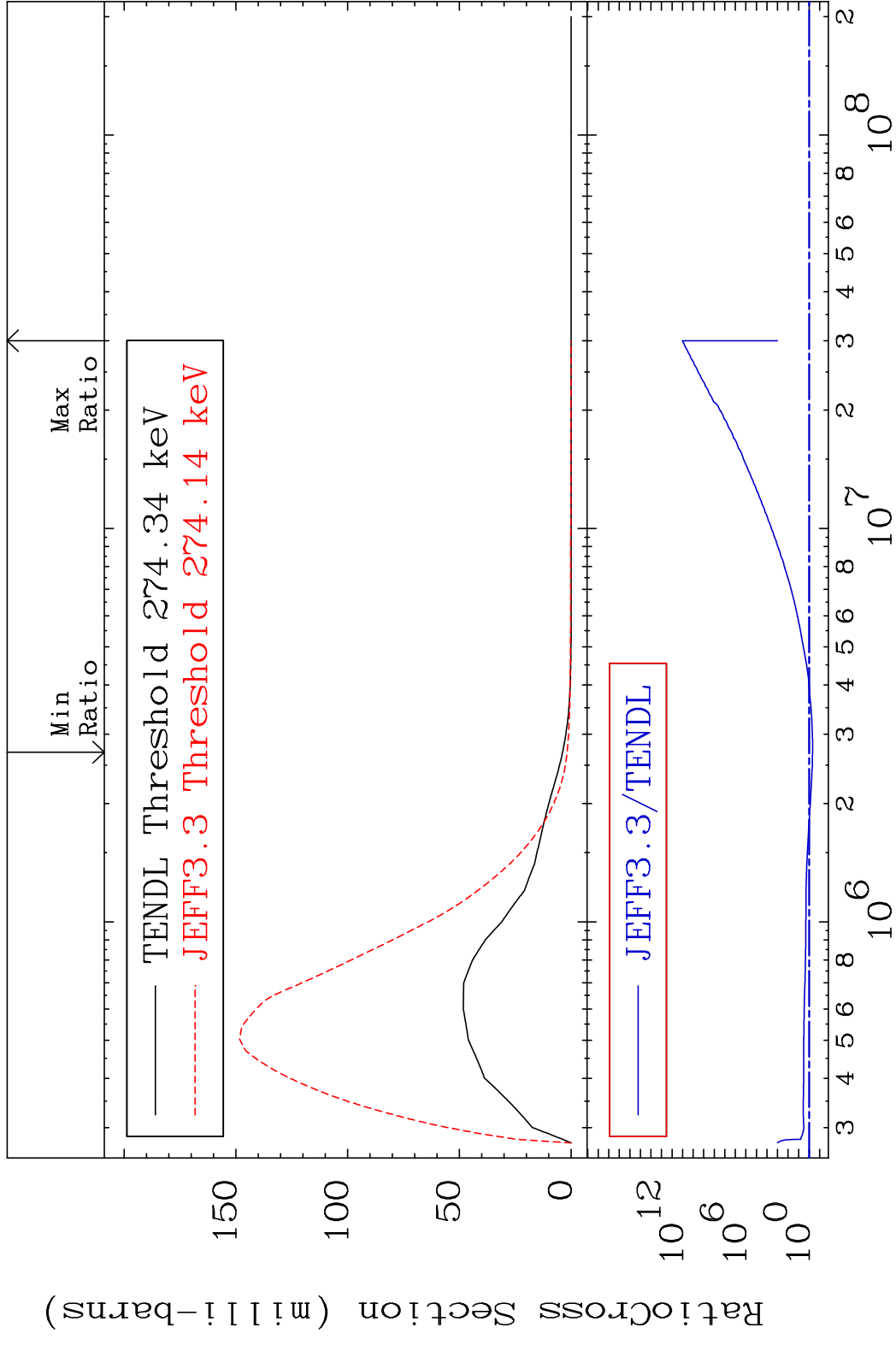
MAT 9543 MT= 57 (n, n') Level 95-Am-241
 Cross Section -99.99 To 12.28 %



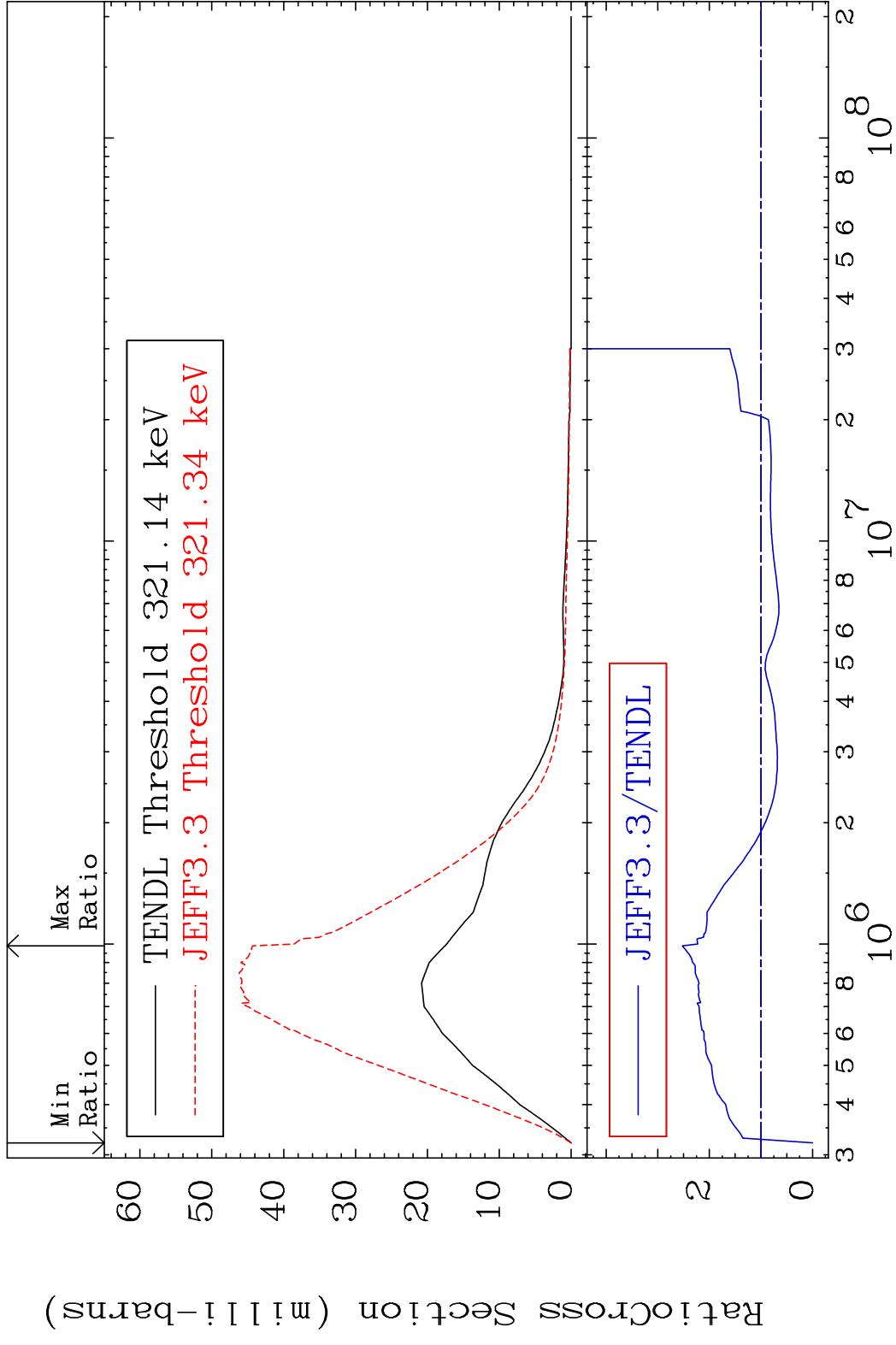
MAT 9543 MT= 58 (n,n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



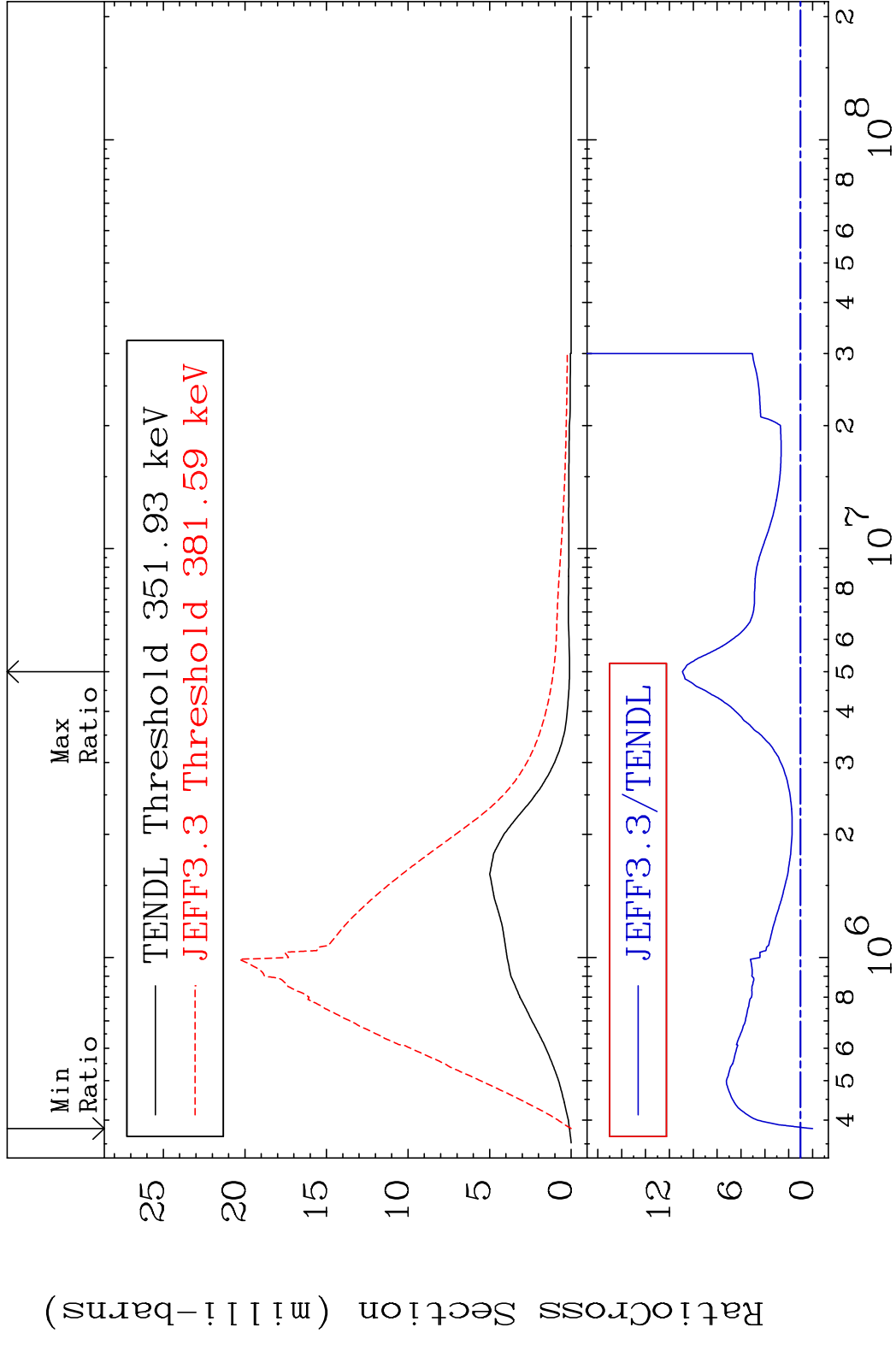
MAT 9543 MT= 59 (n,n') Level 95-Am-241
 Cross Section -52.45 To 9999. %



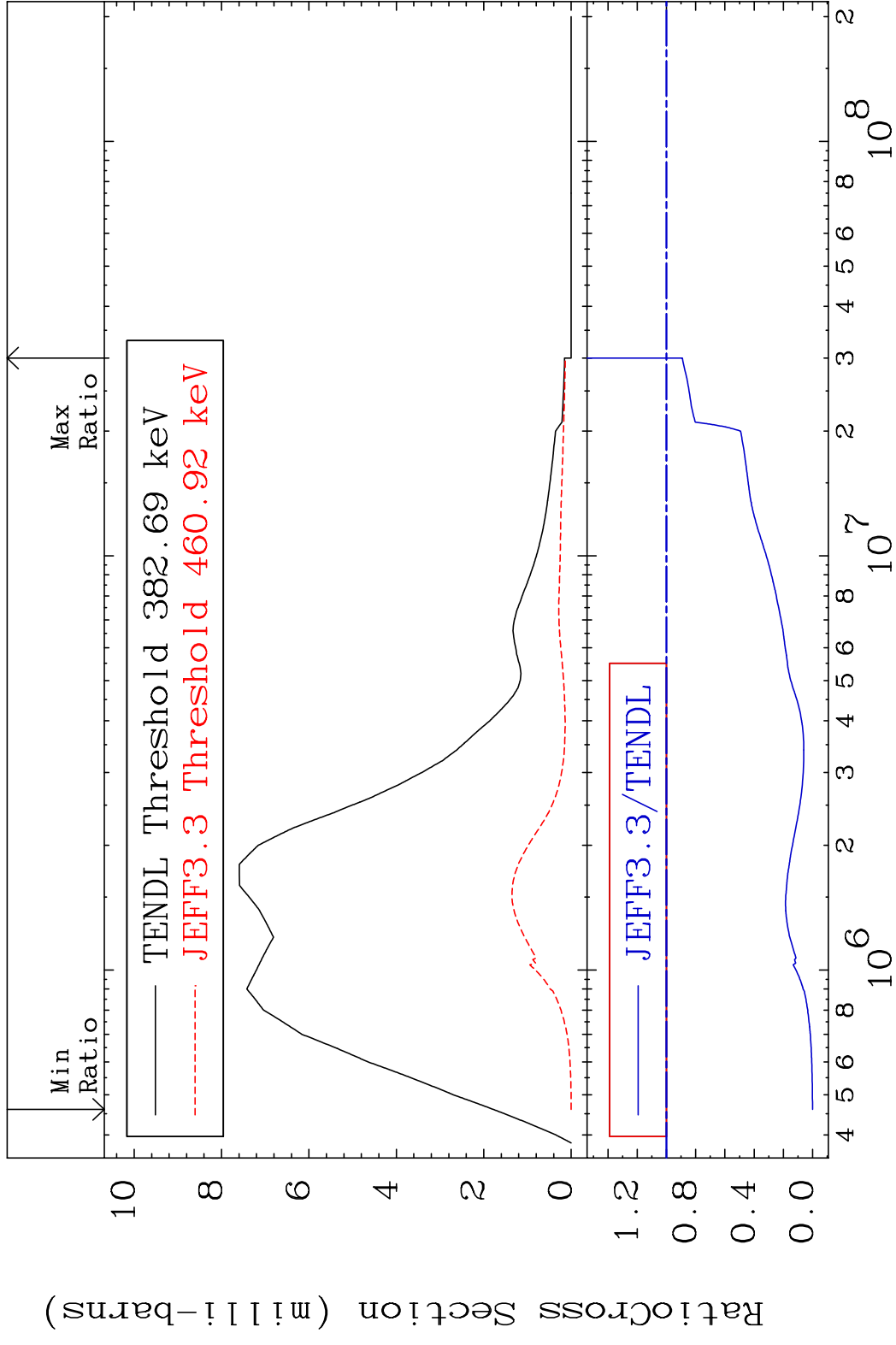
MAT 9543 MT= 60 (n, n') Level 95-Am-241
 Cross Section -100.0 To 152.4 %



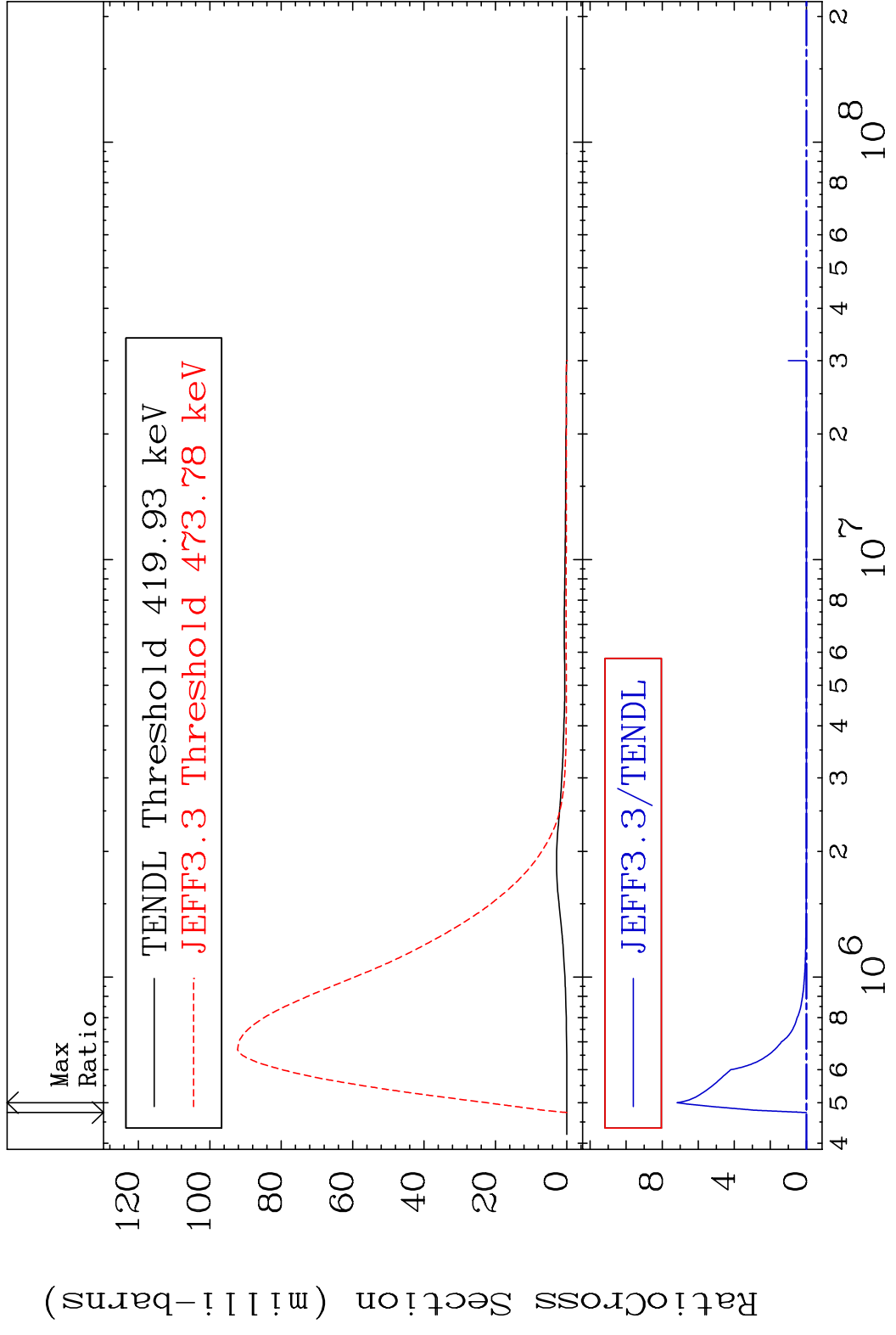
MAT 9543 MT= 61 (n, n') Level 95-Am-241
 Cross Section -100.0 To 991.3 %



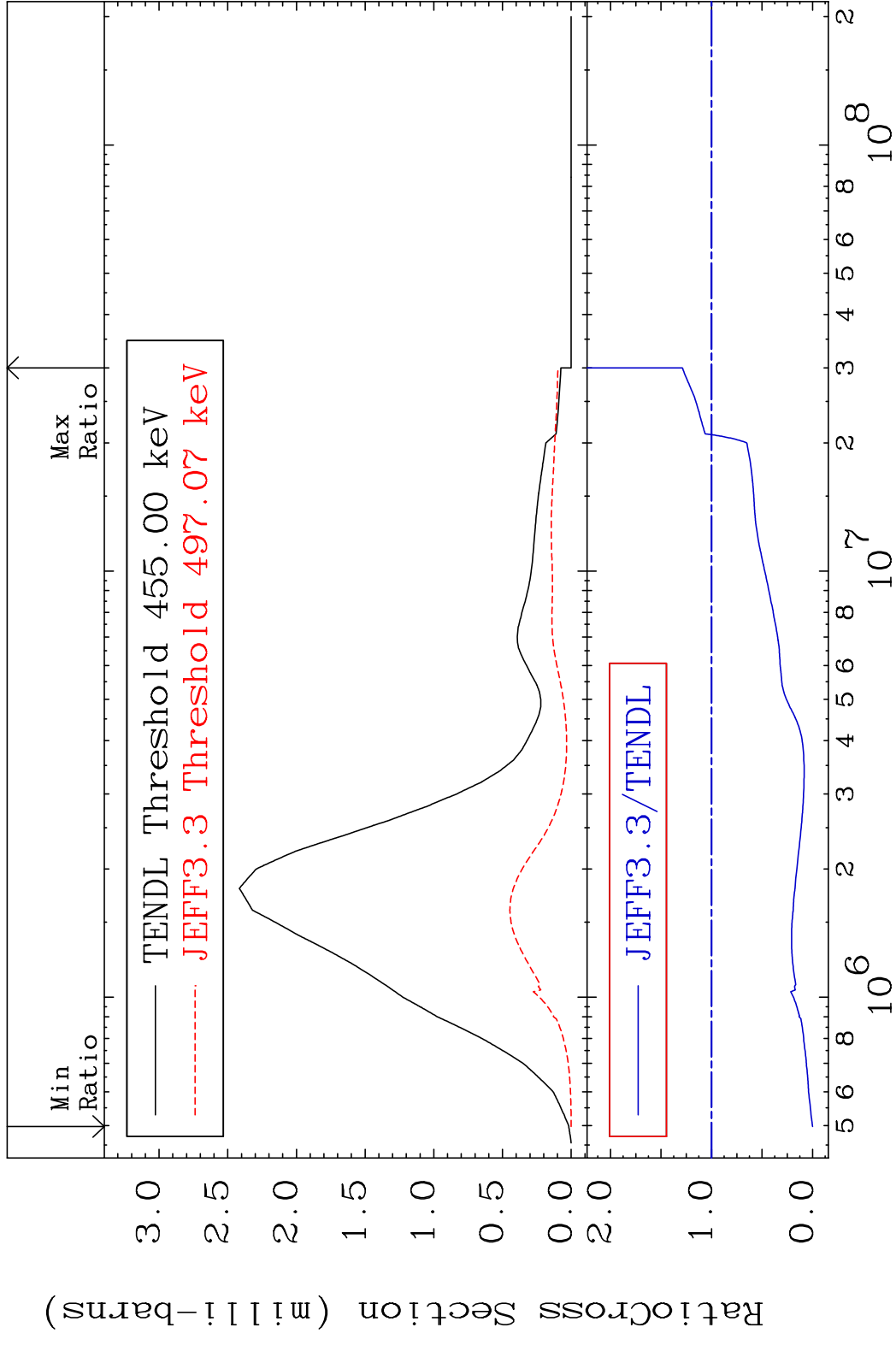
MAT 9543 MT= 62 (n, n') Level 95-Am-241
 Cross Section -100.0 To -10.86%



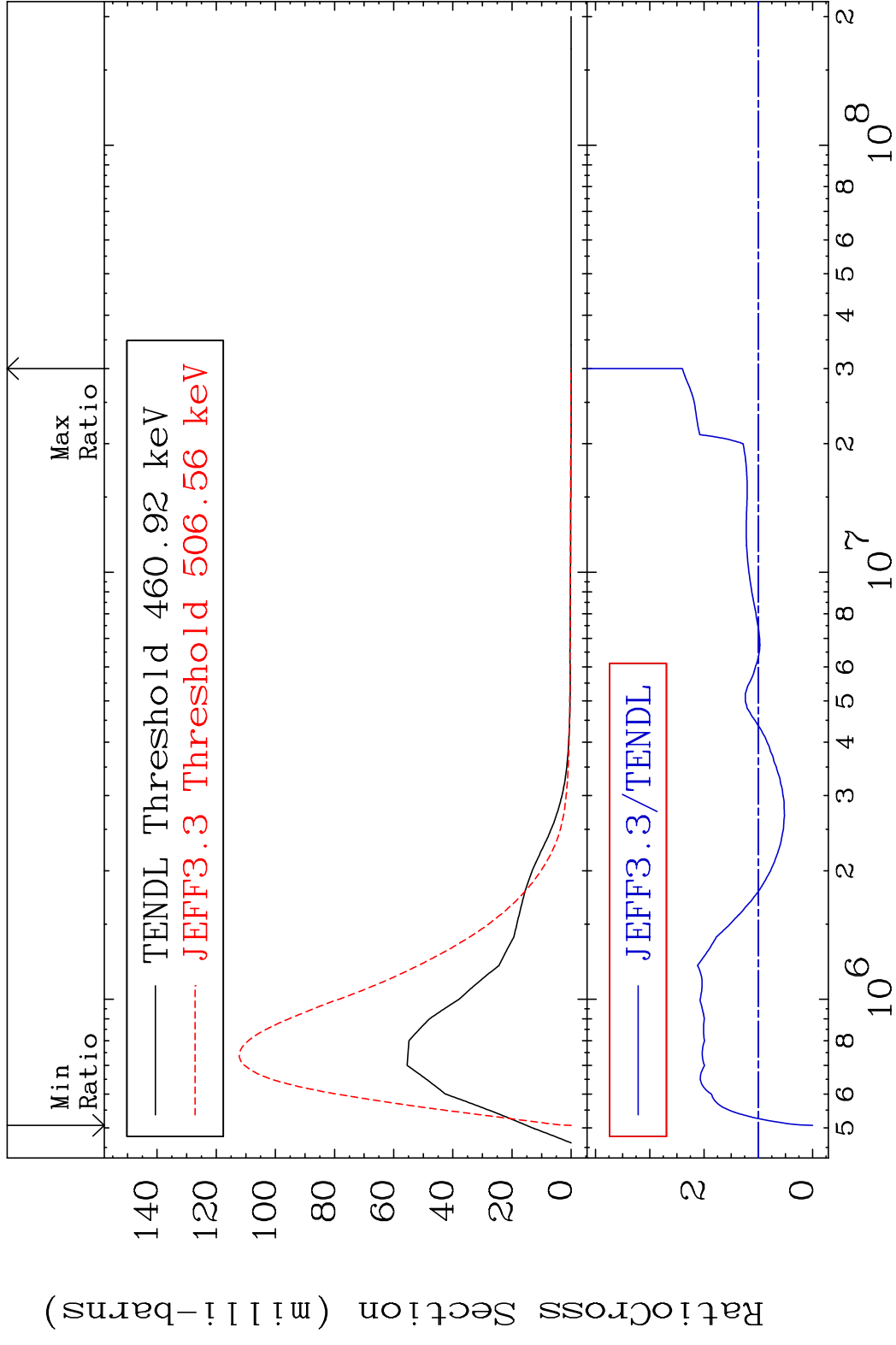
MAT 9543 MT= 63 (n, n') Level 95-Am-241
 Cross Section -100.0 To 9999. %



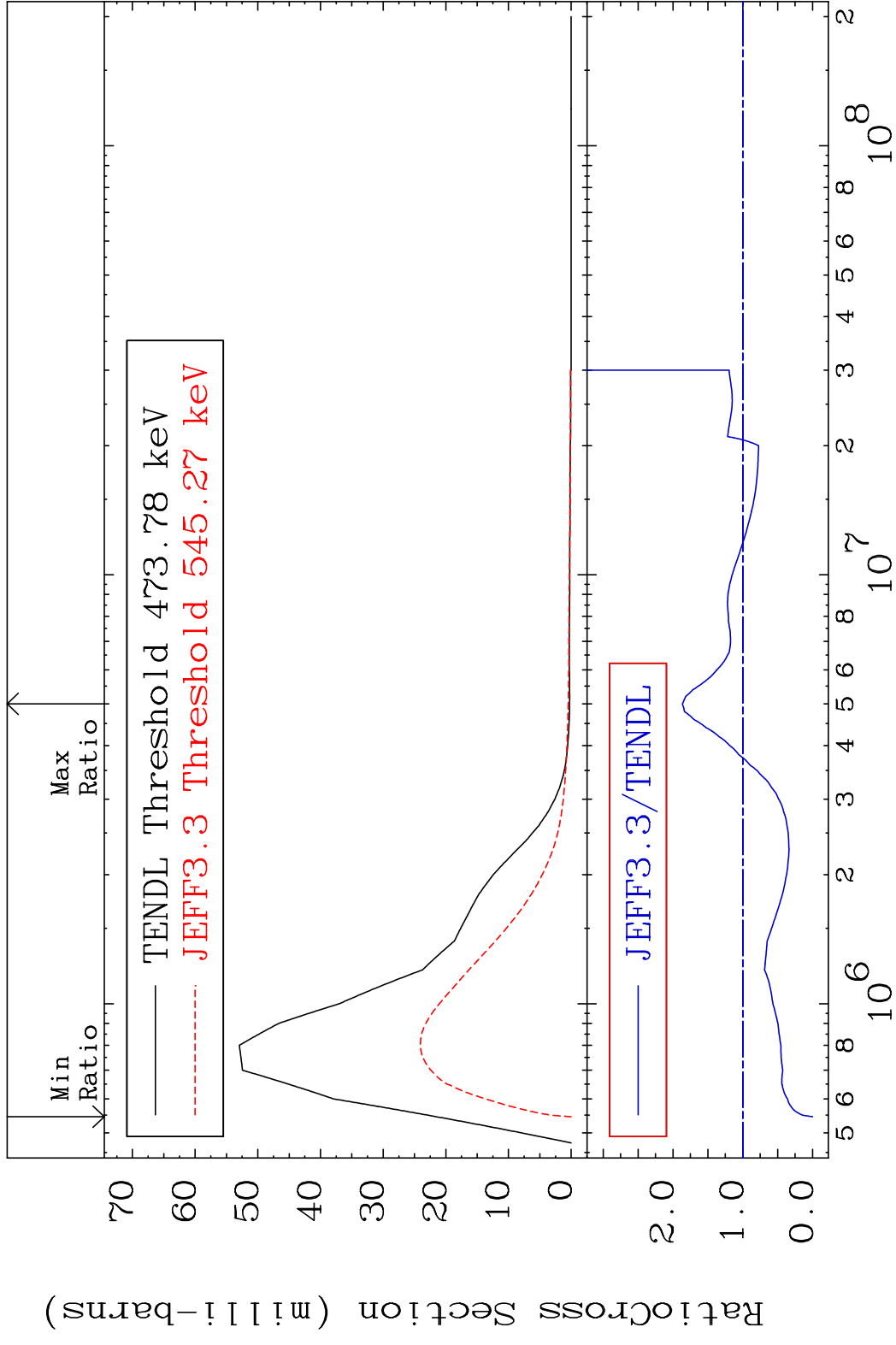
MAT 9543 MT= 64 (n, n') Level 95-Am-241
 Cross Section -100.0 To 28.89 %



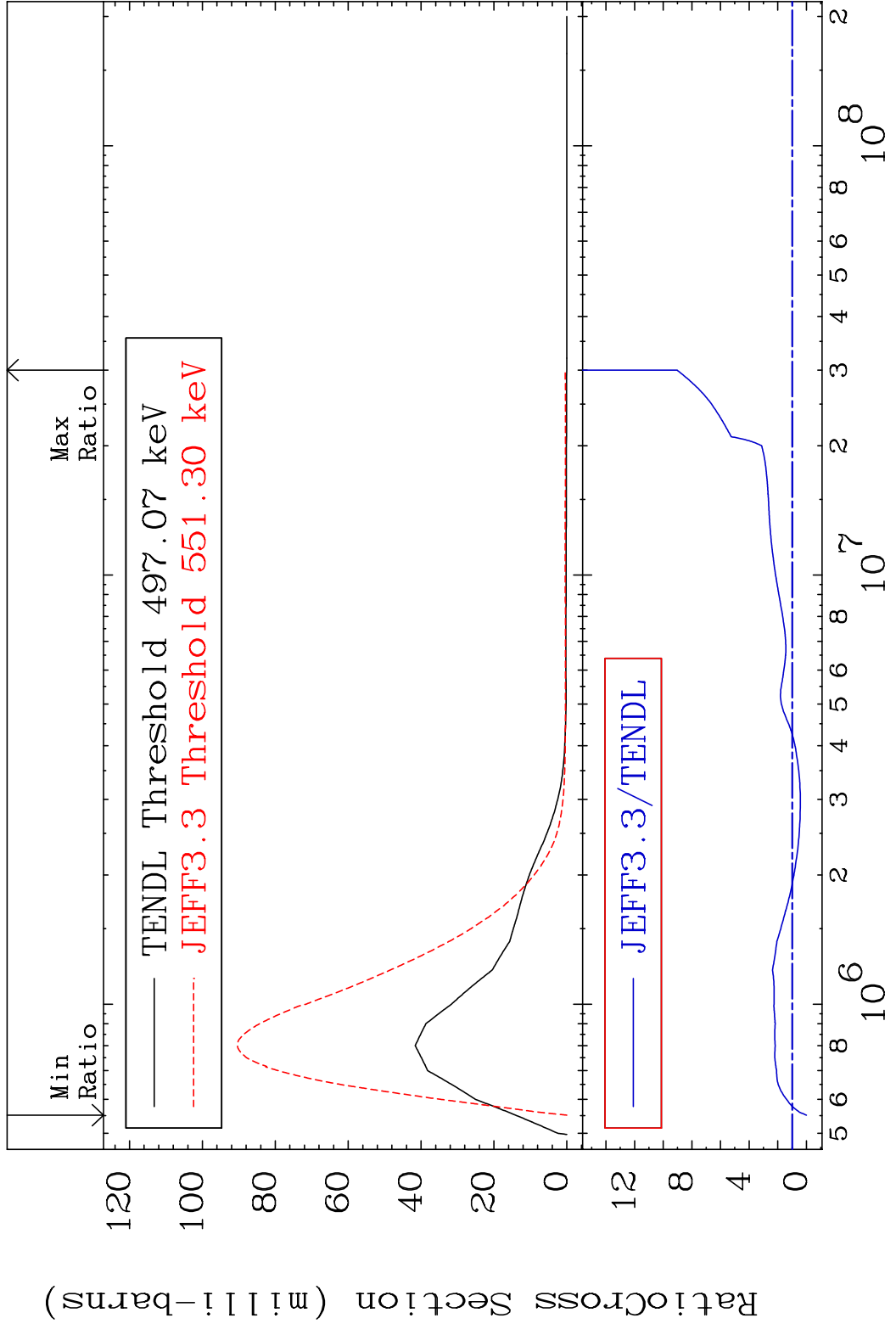
MAT 9543 MT= 65 (n, n') Level 95-Am-241
 Cross Section -100.0 To 139.9 %



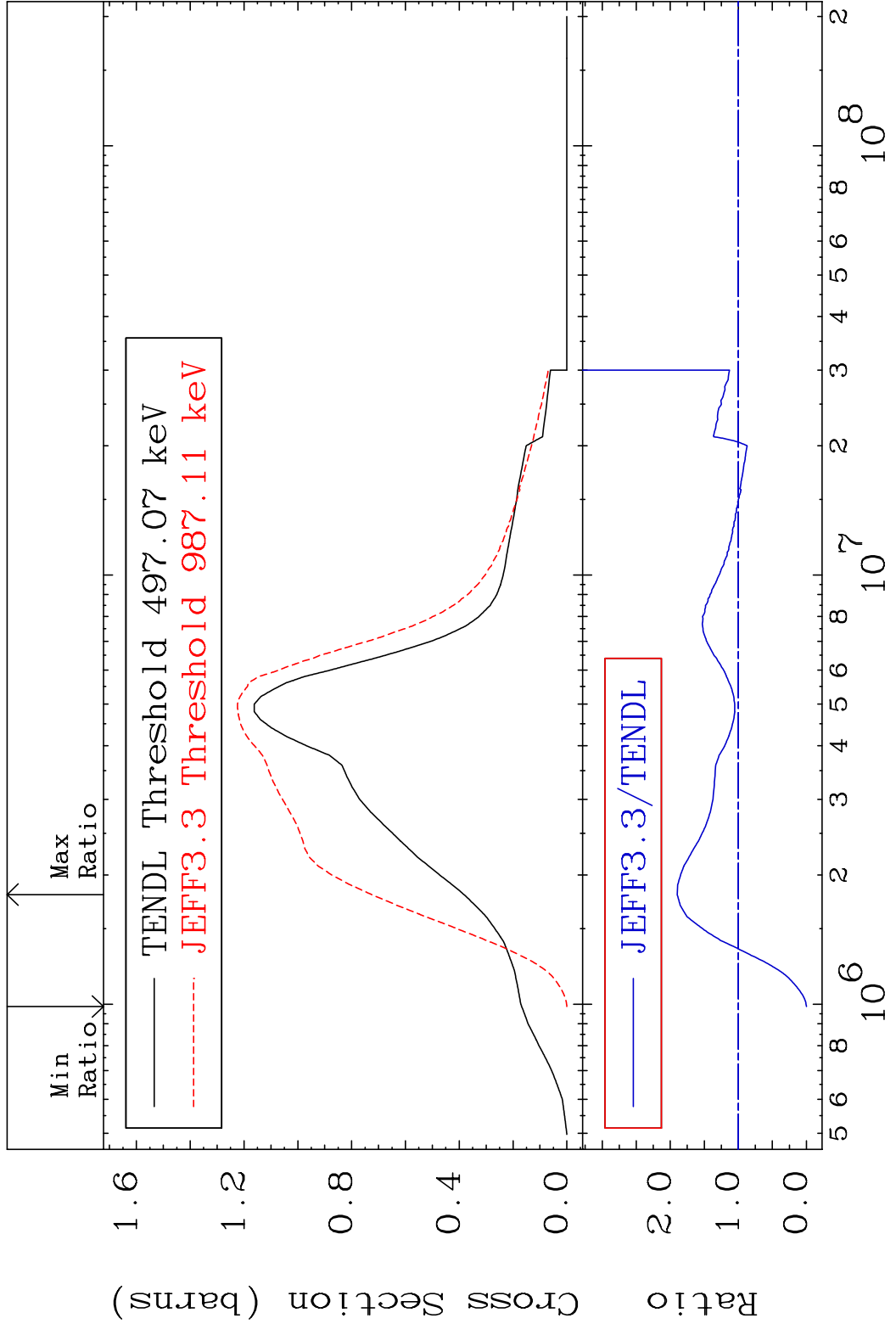
MAT 9543 MT= 66 (n, n') Level 95-Am-241
 Cross Section -100.0 To 86.56 %



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

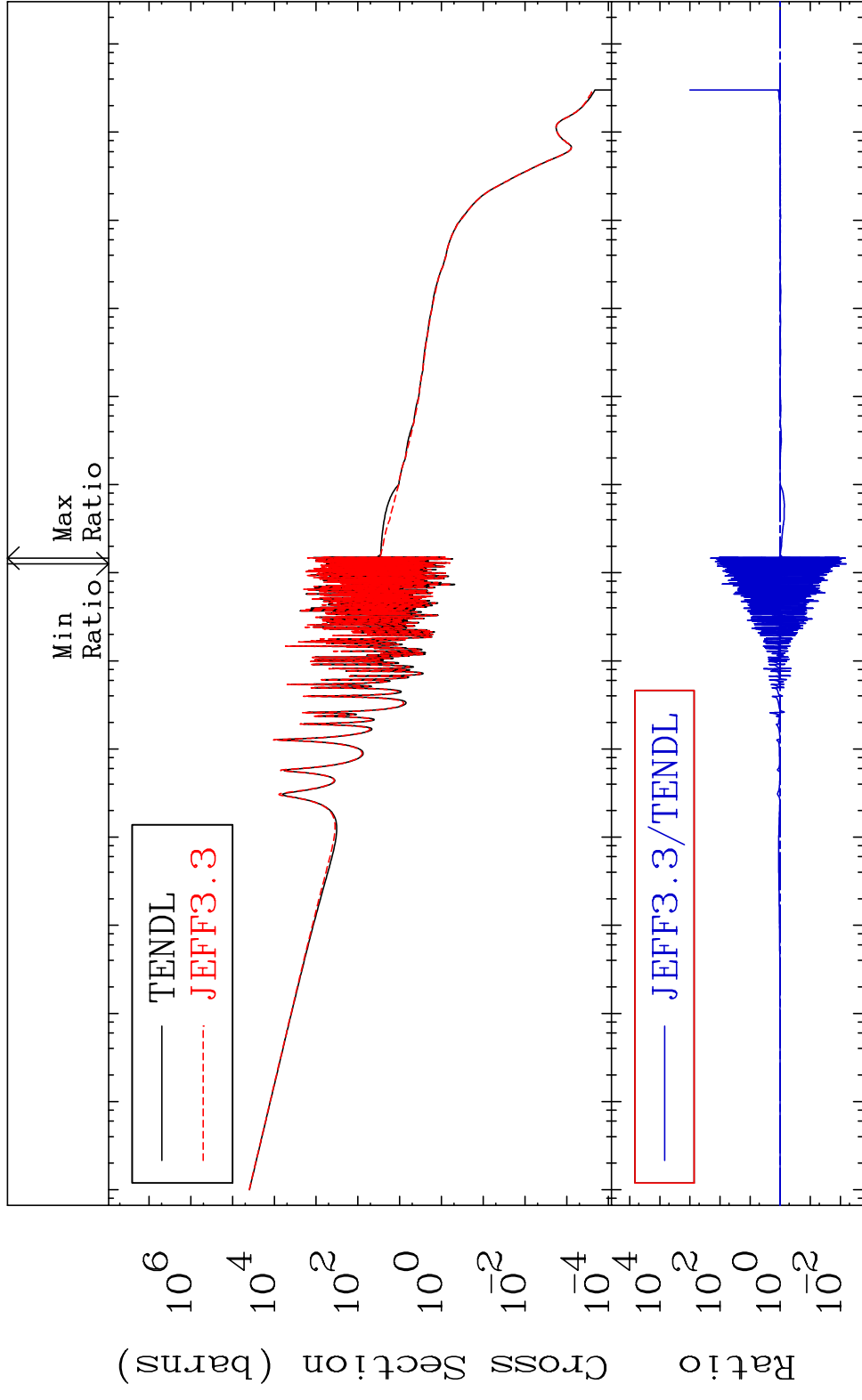


MAT 9543 (n, n') Continuum 95-Am-241
 Cross Section -100.0 To 89.83 %



MAT 9543

(n, γ)
Cross Section -99.37 To 9999. %
95-Am-241

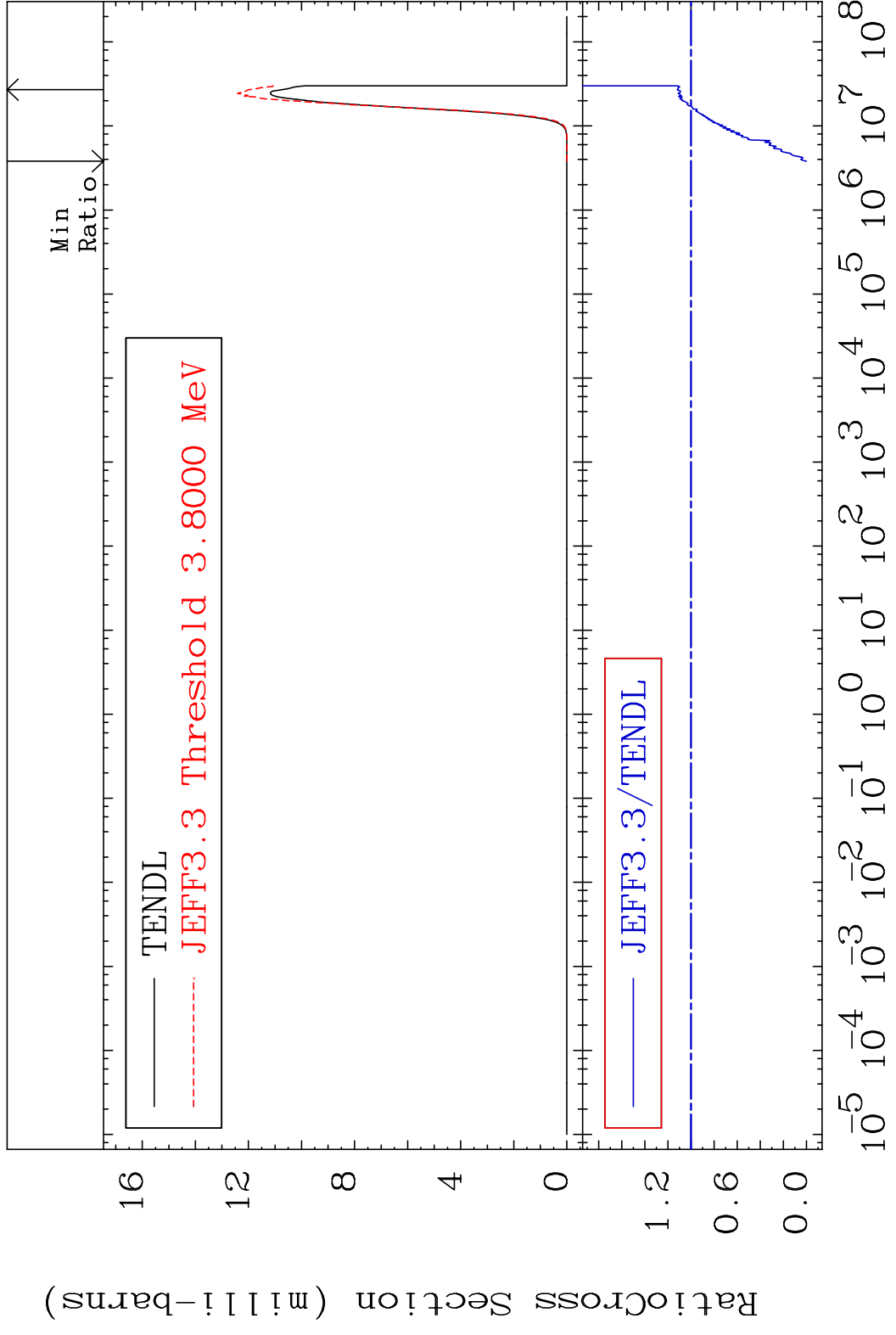


MAT 9543

(n, p)

95-Am-241

Cross Section -100.0 To 11.92 %

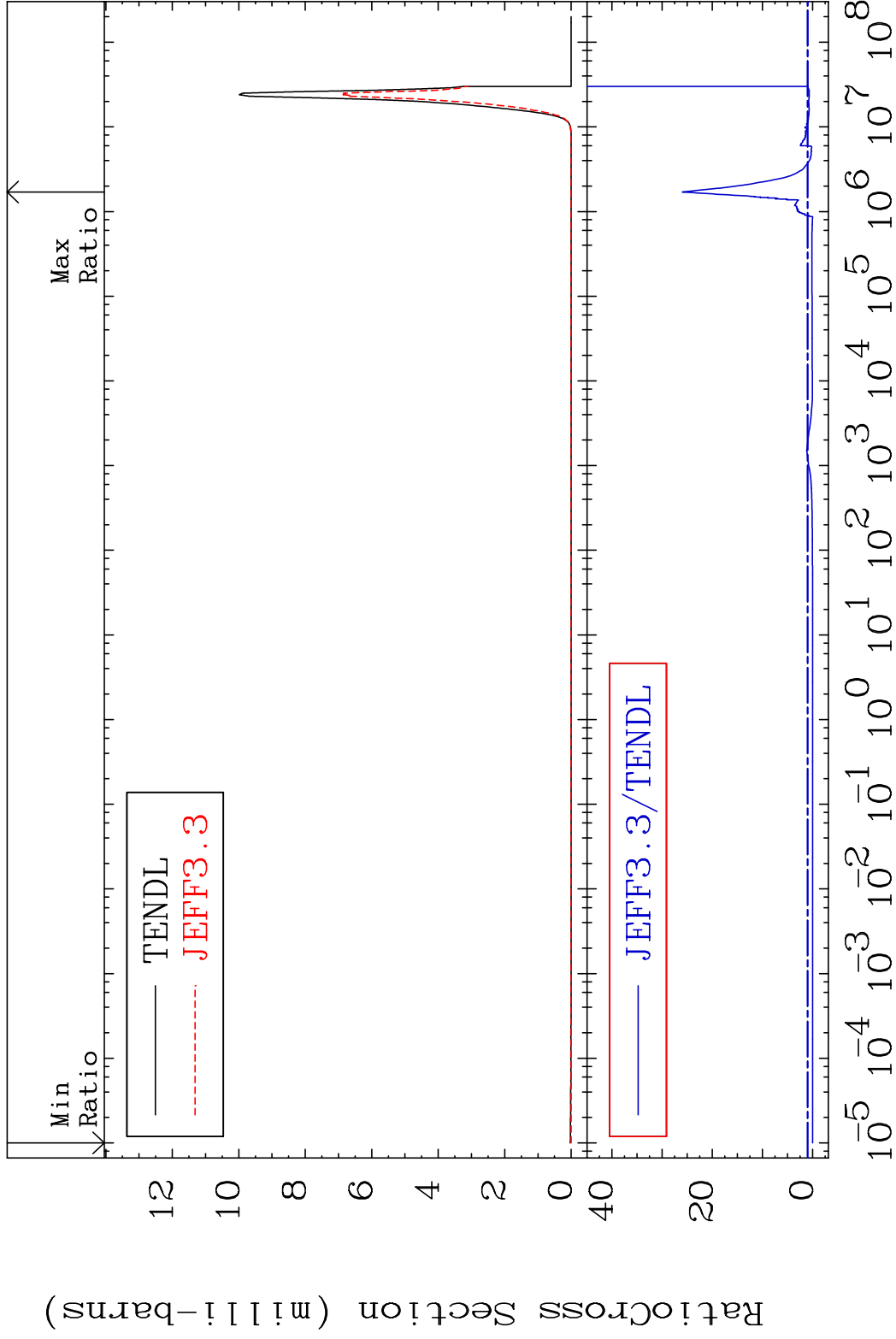


MAT 9543

(n, α)

95-Am-241

Cross Section -100.0 To 2497. %



35

Incident Energy (eV)

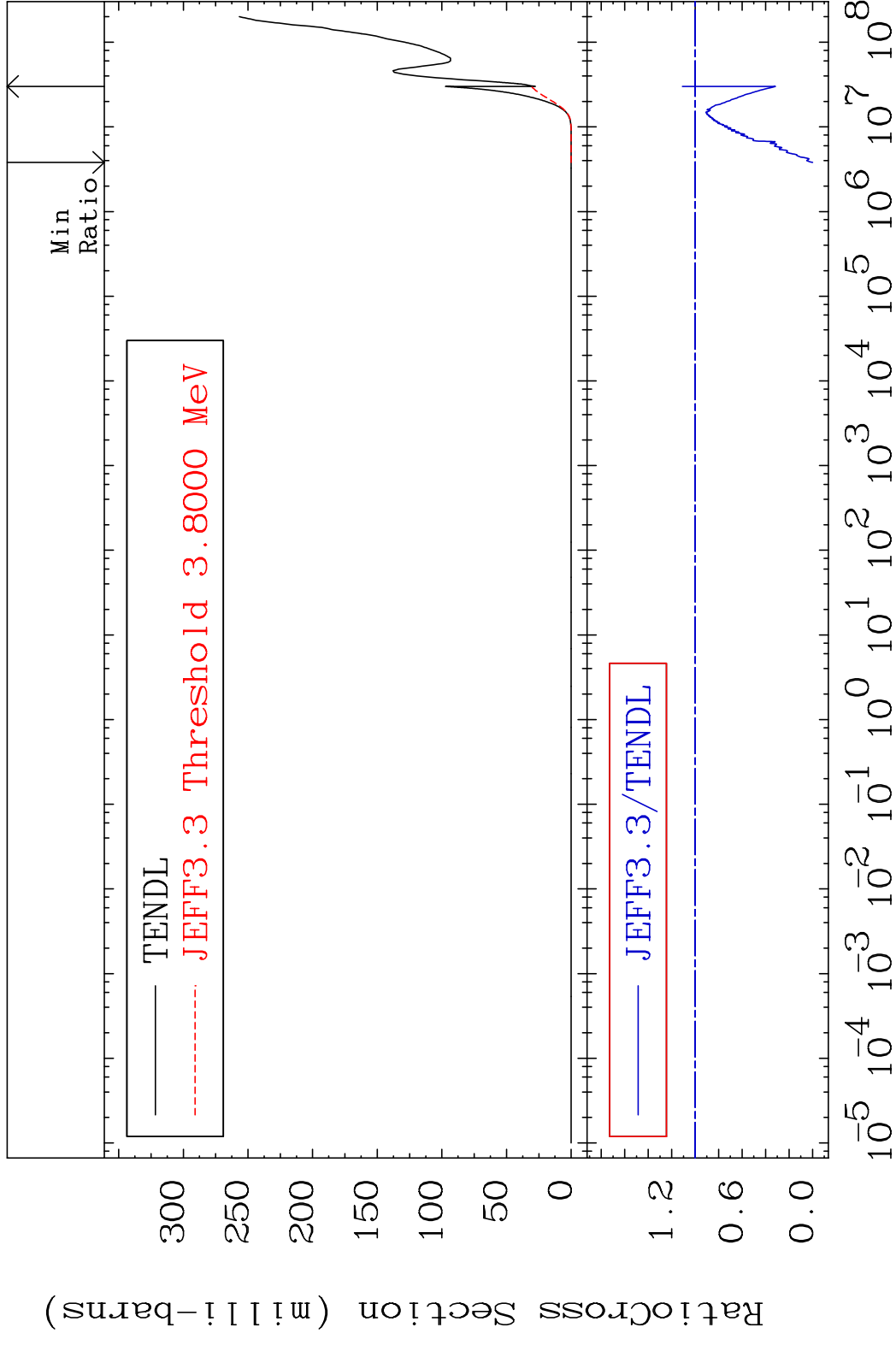
95-Am-241

MAT 9543

Hydrogen Production

95-Am-241

Cross Section -100.0 To 10.91 %

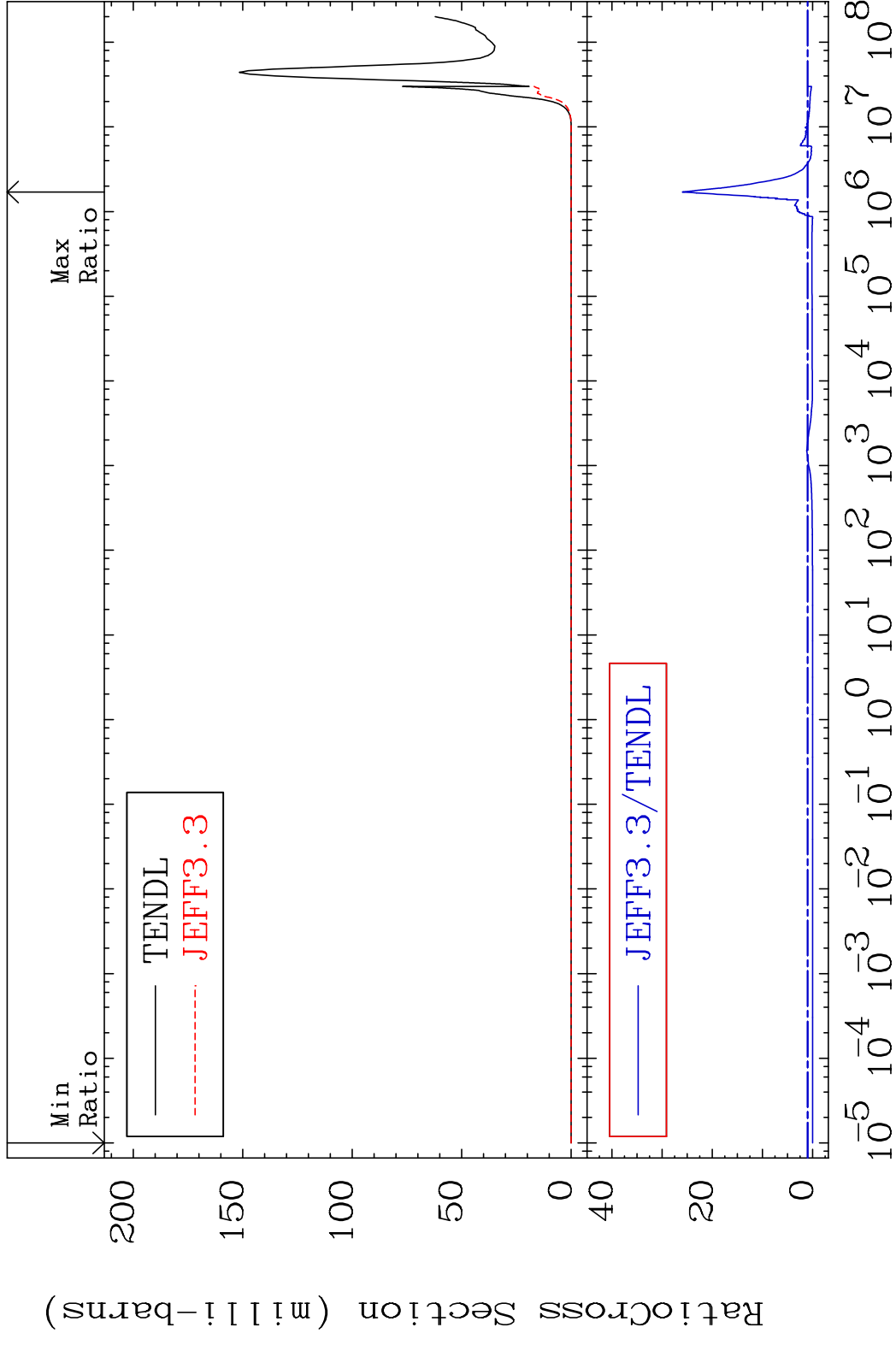


MAT 9543

He-4 Production

95-Am-241

Cross Section -100.0 To 2497. %



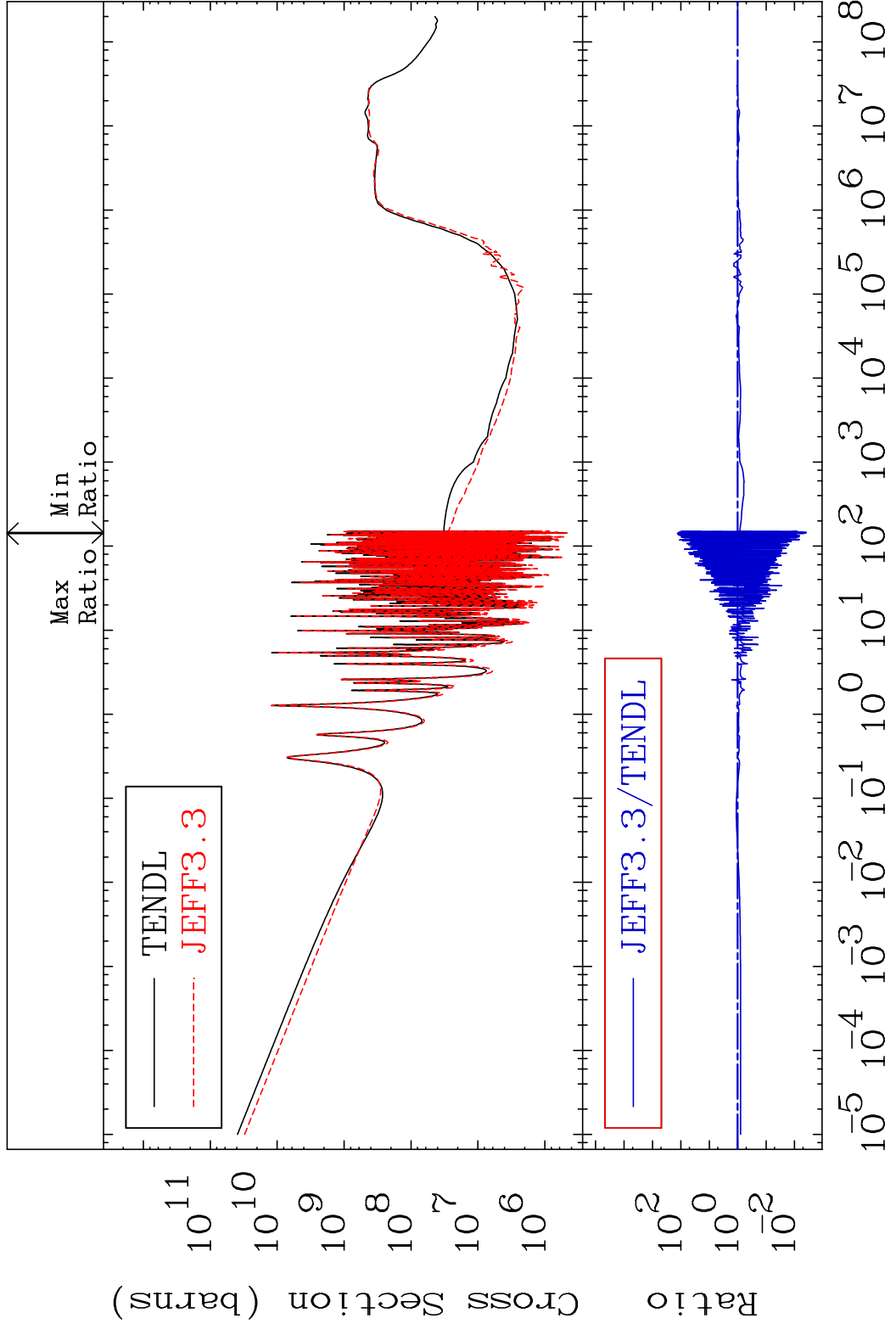
37

Incident Energy (eV)

95-Am-241

MAT 9543

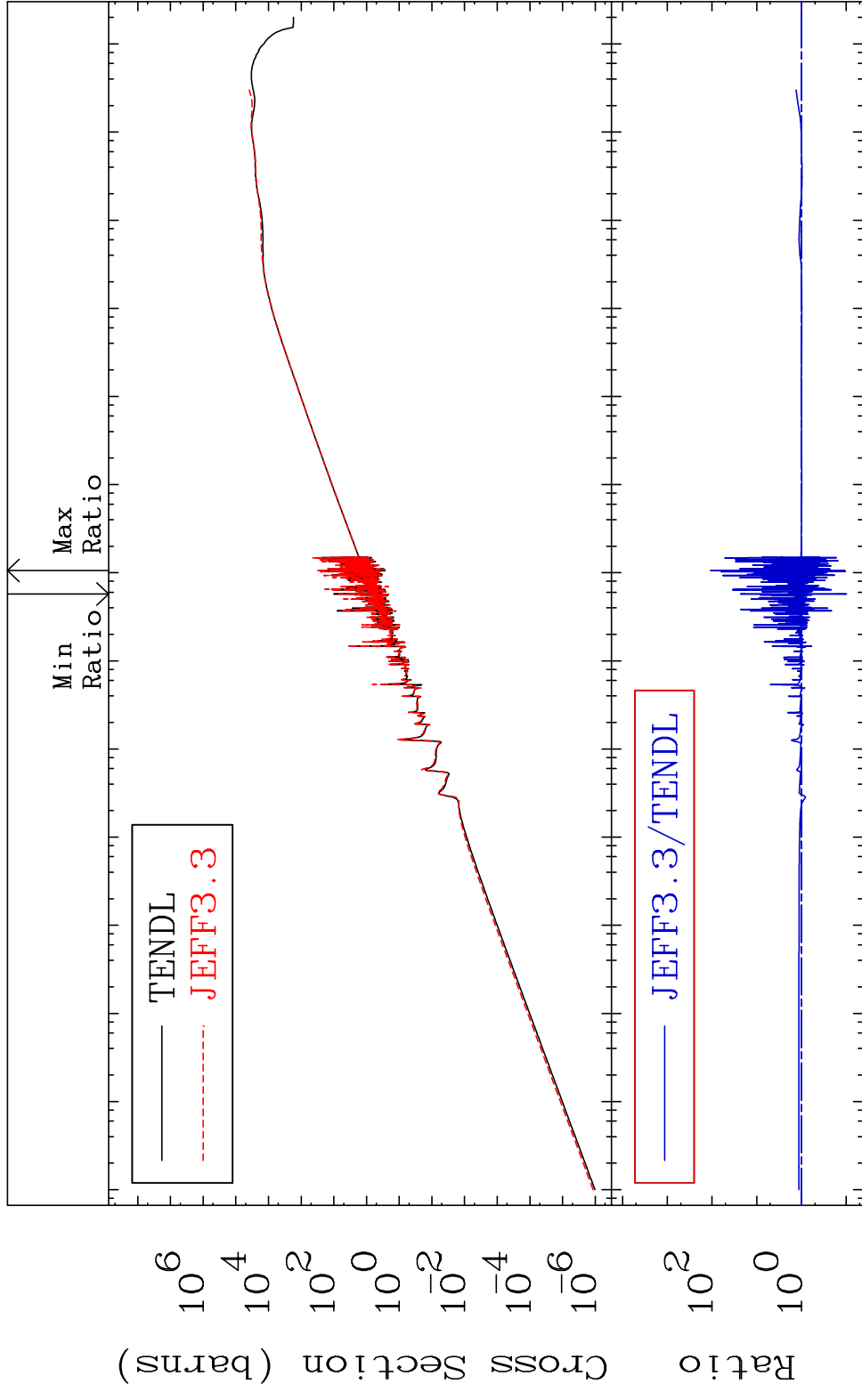
Kerma total (eV-barns) 95-Am-241
Cross Section -99.62 To 9999. %



MAT 9543

Kerma elastic
Cross Section -90.06 To 9999. %

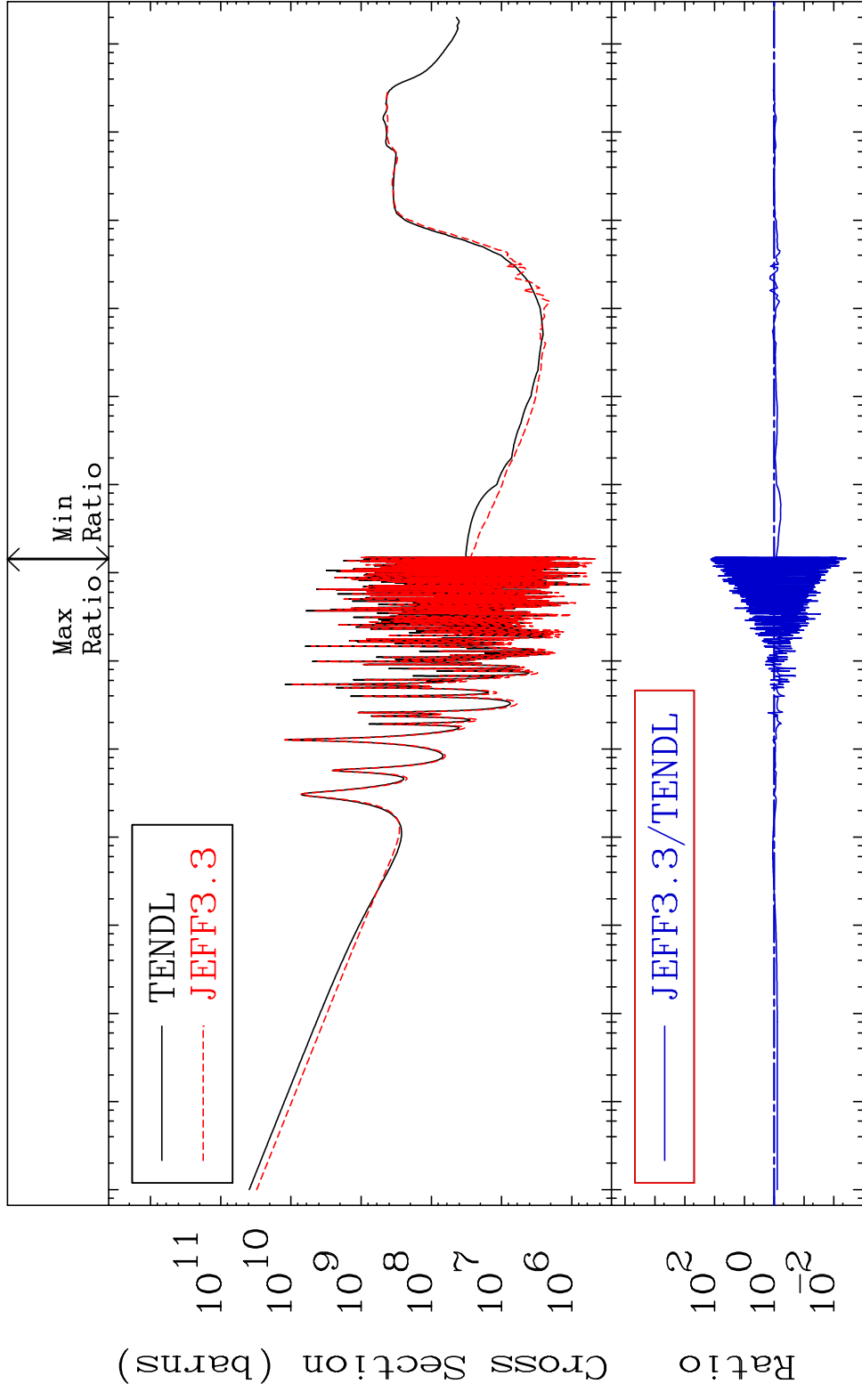
95-Am-241



Cross Section (barns)
Ratio

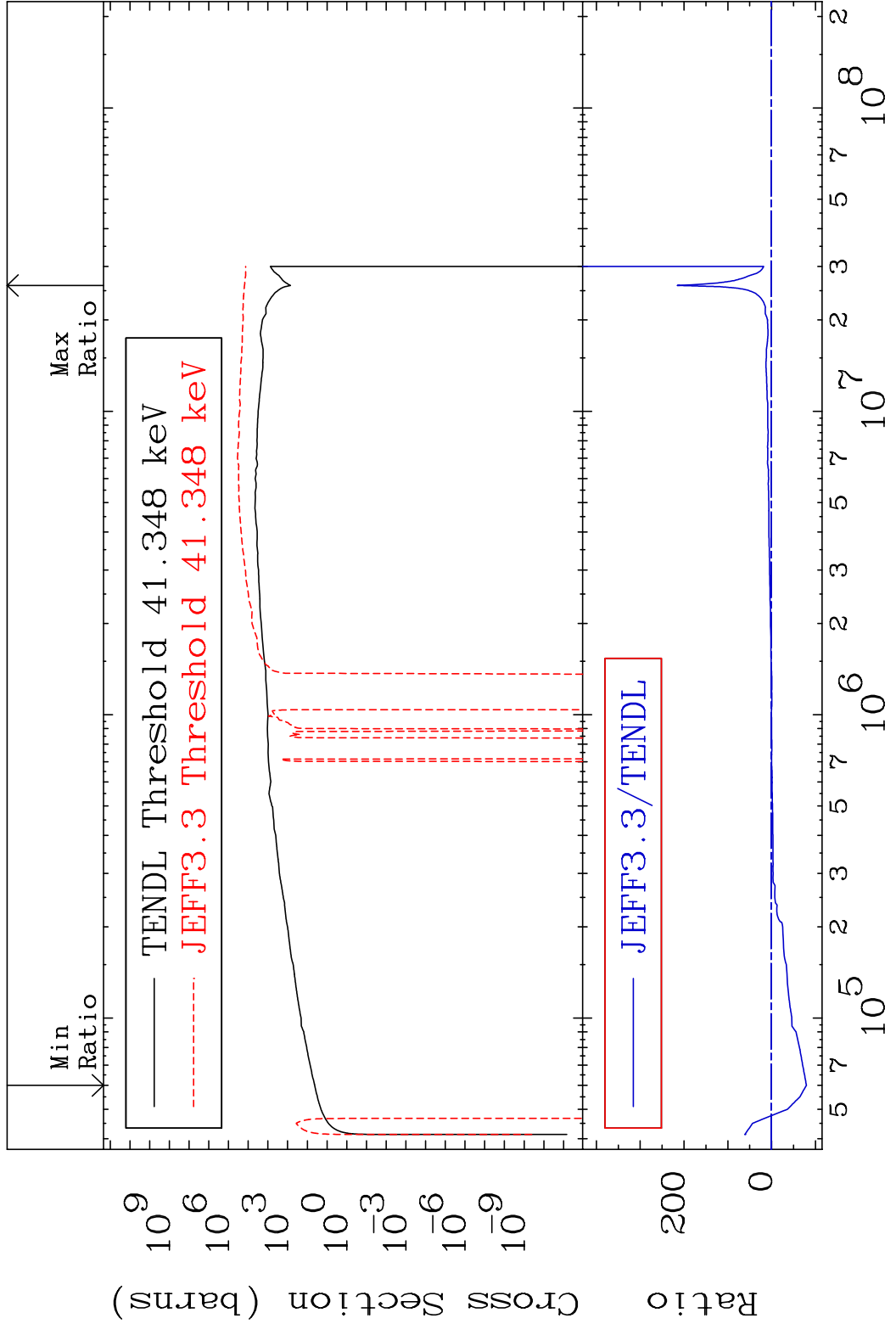
Incident Energy (eV)

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

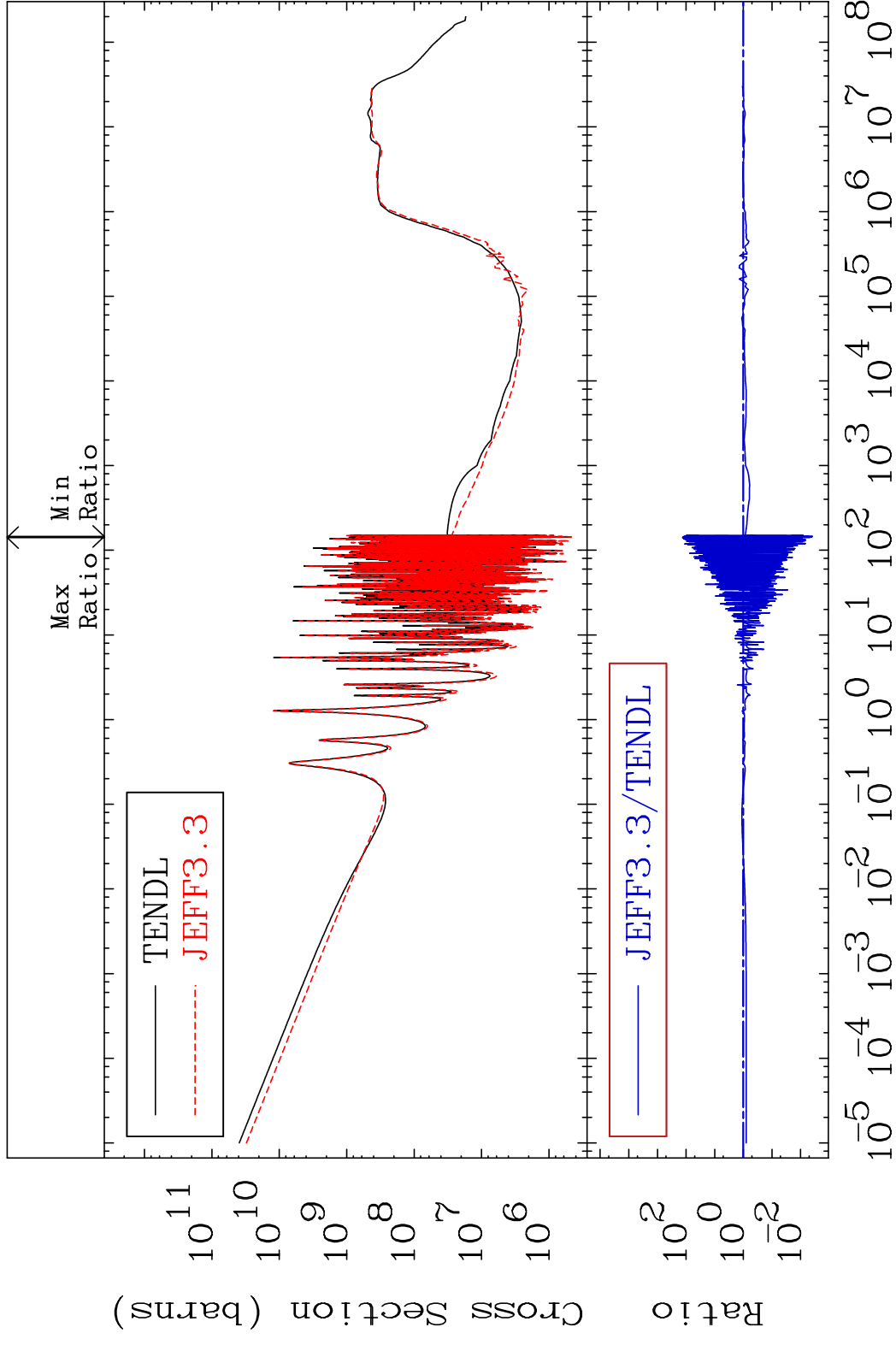


40 Incident Energy (eV) 95-Am-241

MAT 9543 Kerma inelastic (mt51-91) 95-Am-241
 Cross Section -8028. To 9999. %

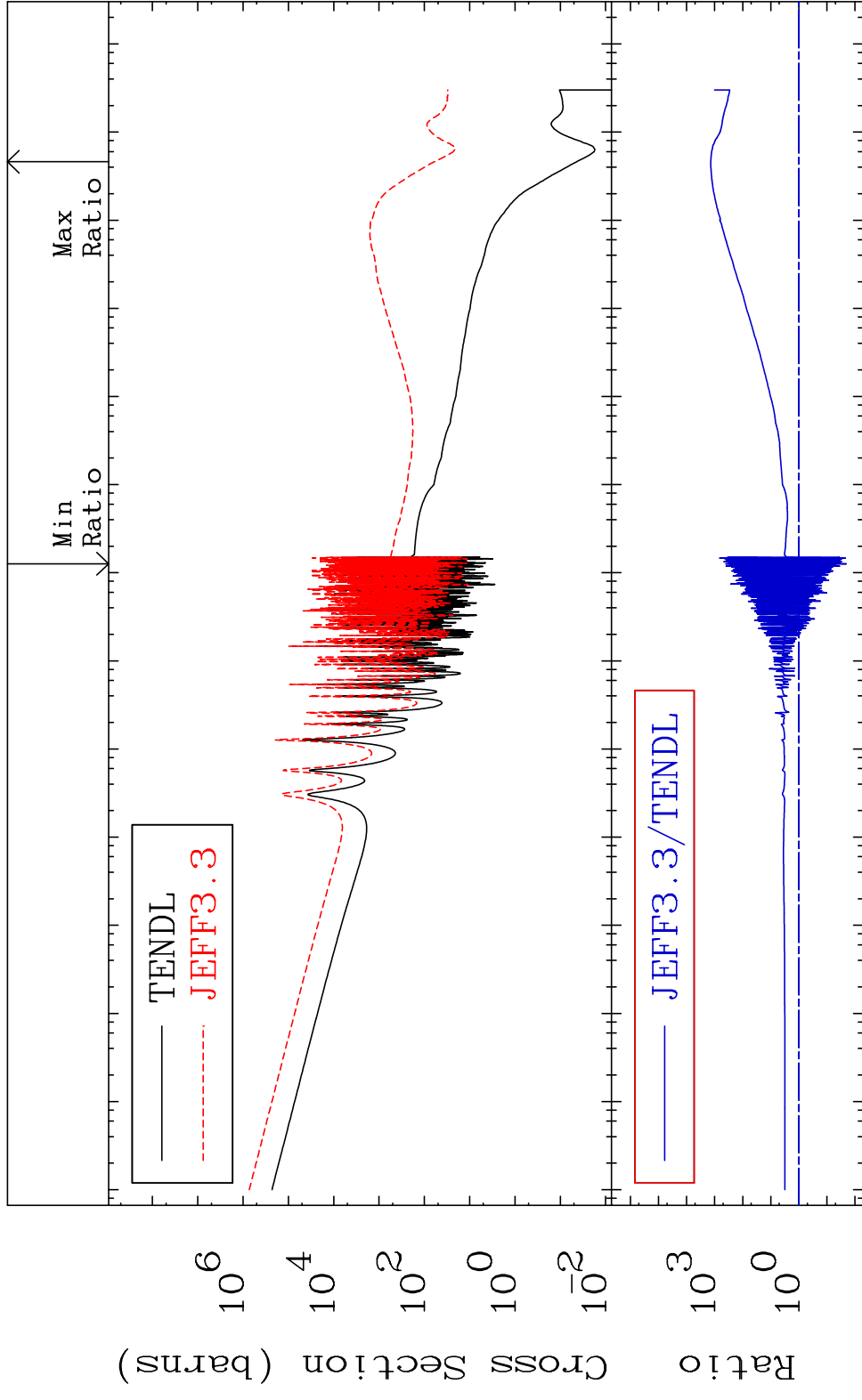


MAT 9543 Kerma fission (mt18 or mt19-20-21-38) 95-Am-241
 Cross Section -99.62 To 9999. %



MAT 9543

Kerma capture (mt102) 95-Am-241
Cross Section -97.96 To 9999. %



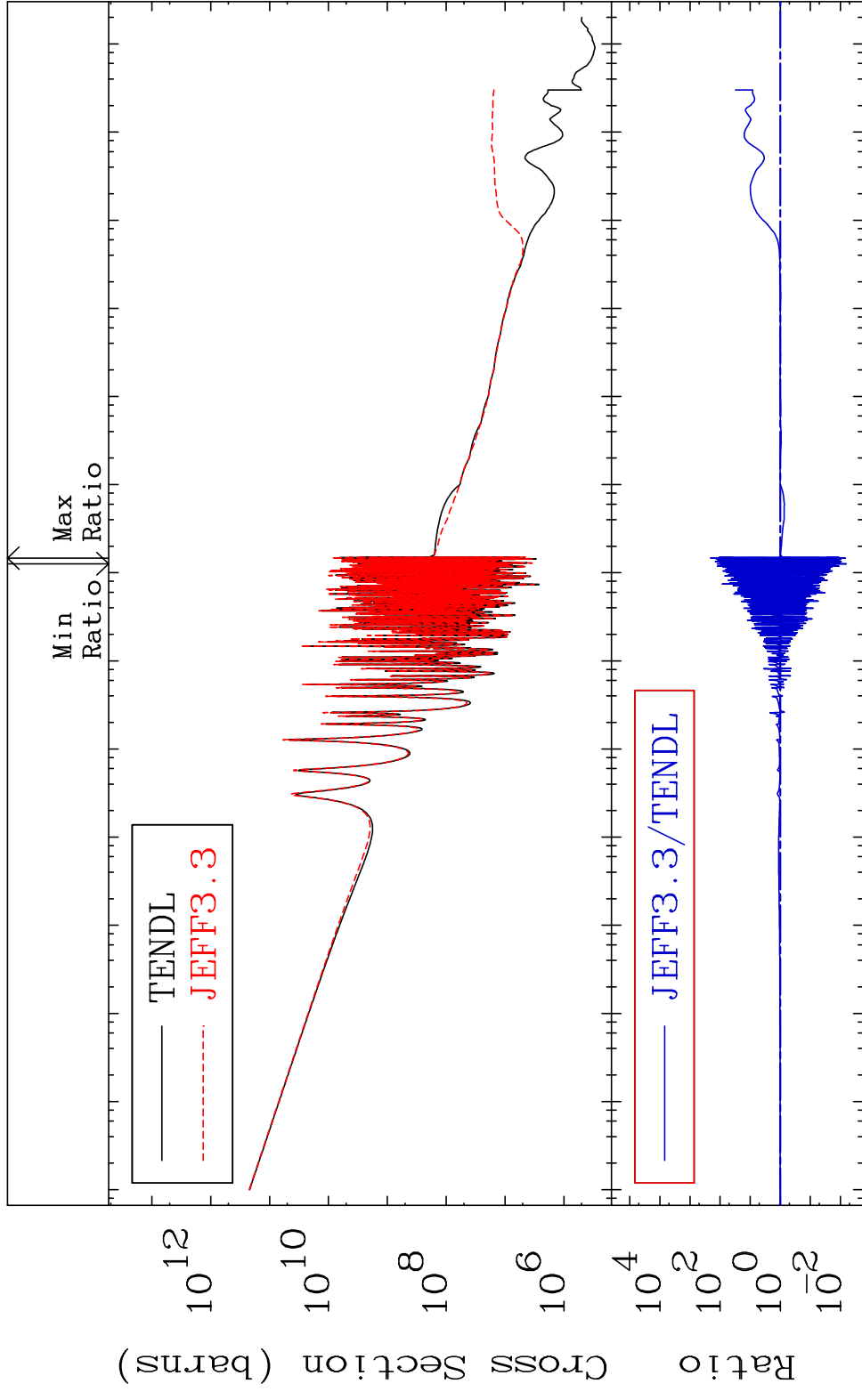
43

Incident Energy (eV)

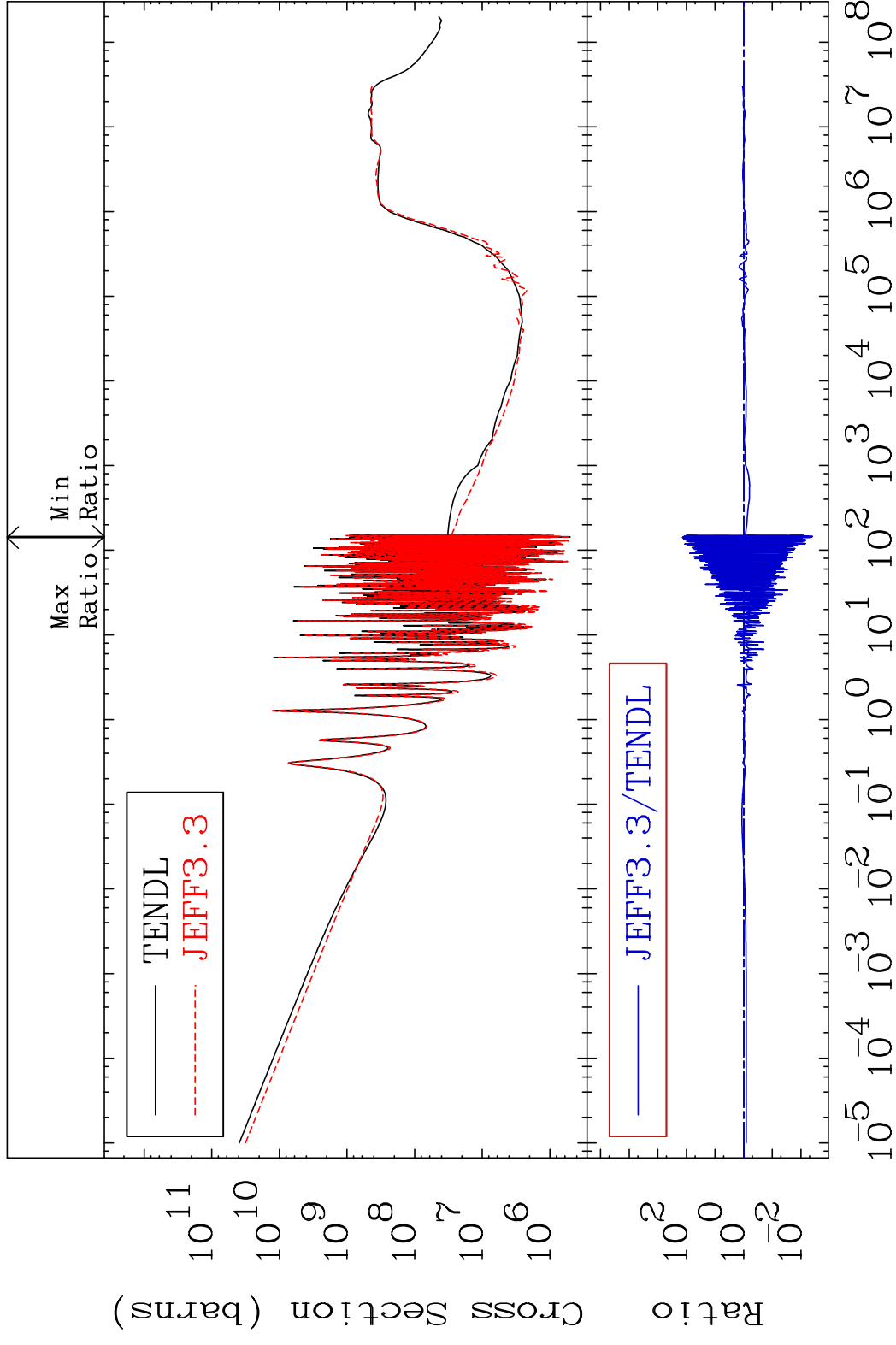
95-Am-241

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. %

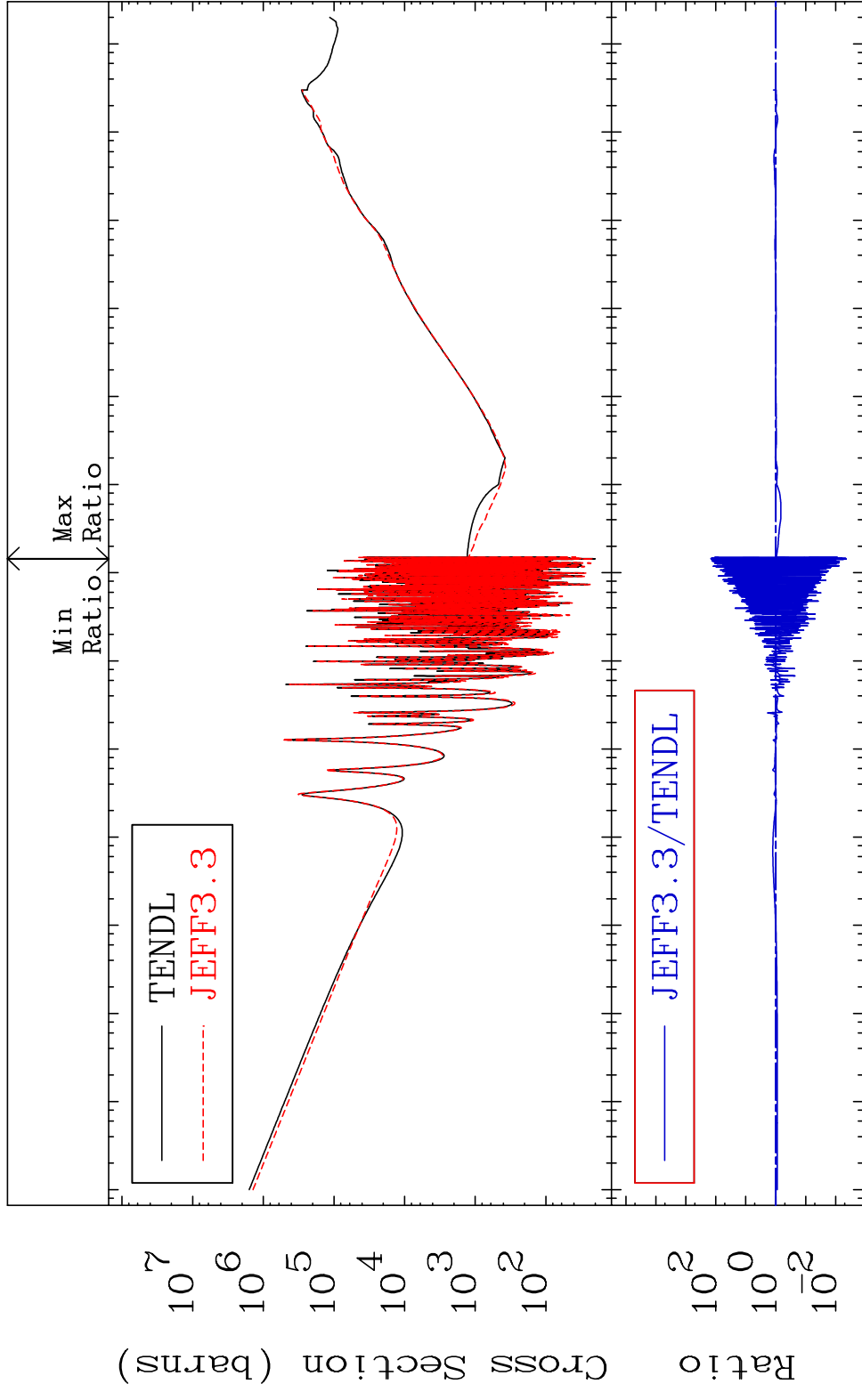


MAT 9543

Dpa total (eV-barns)

95-Am-241

Cross Section -99.56 To 9999. %

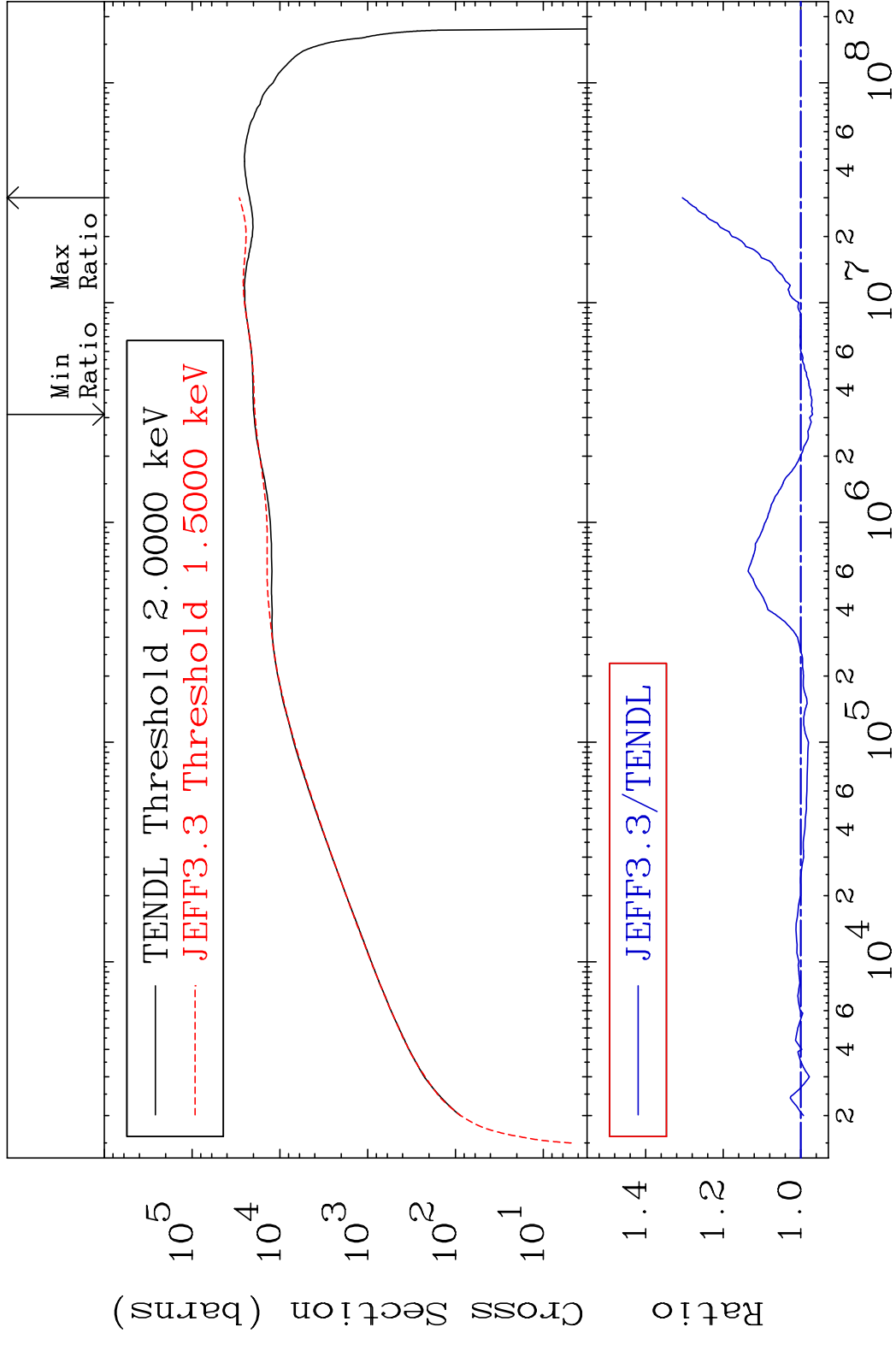


MAT 9543

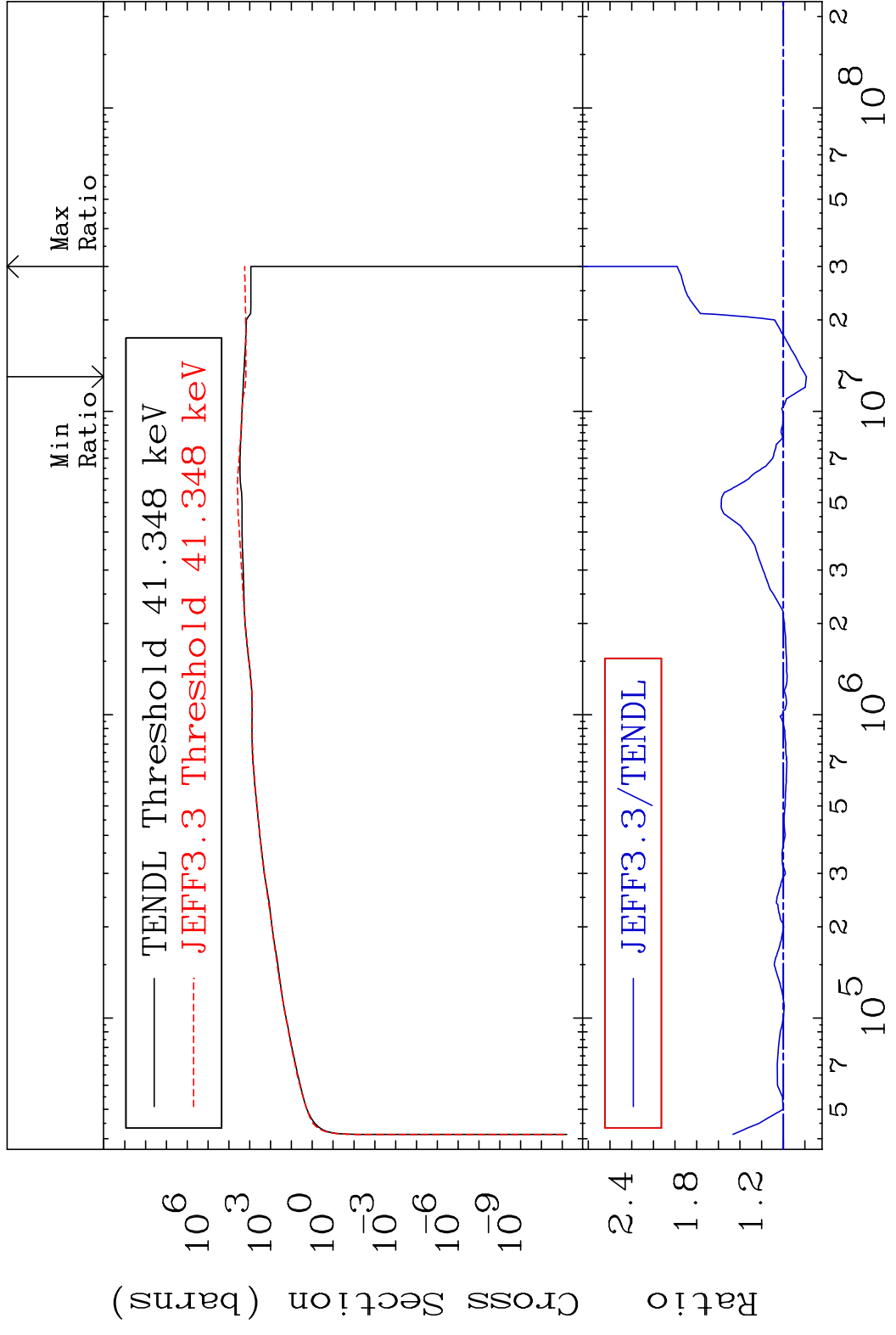
Dpa elastic (mt2)

95-Am-241

Cross Section -3.043 To 30.54 %



MAT 9543 Dpa inelastic (mt51-91) 95-Am-241
 Cross Section -21.34 To 97.99 %



MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
 Cross Section -98.00 To 9999. %

