

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

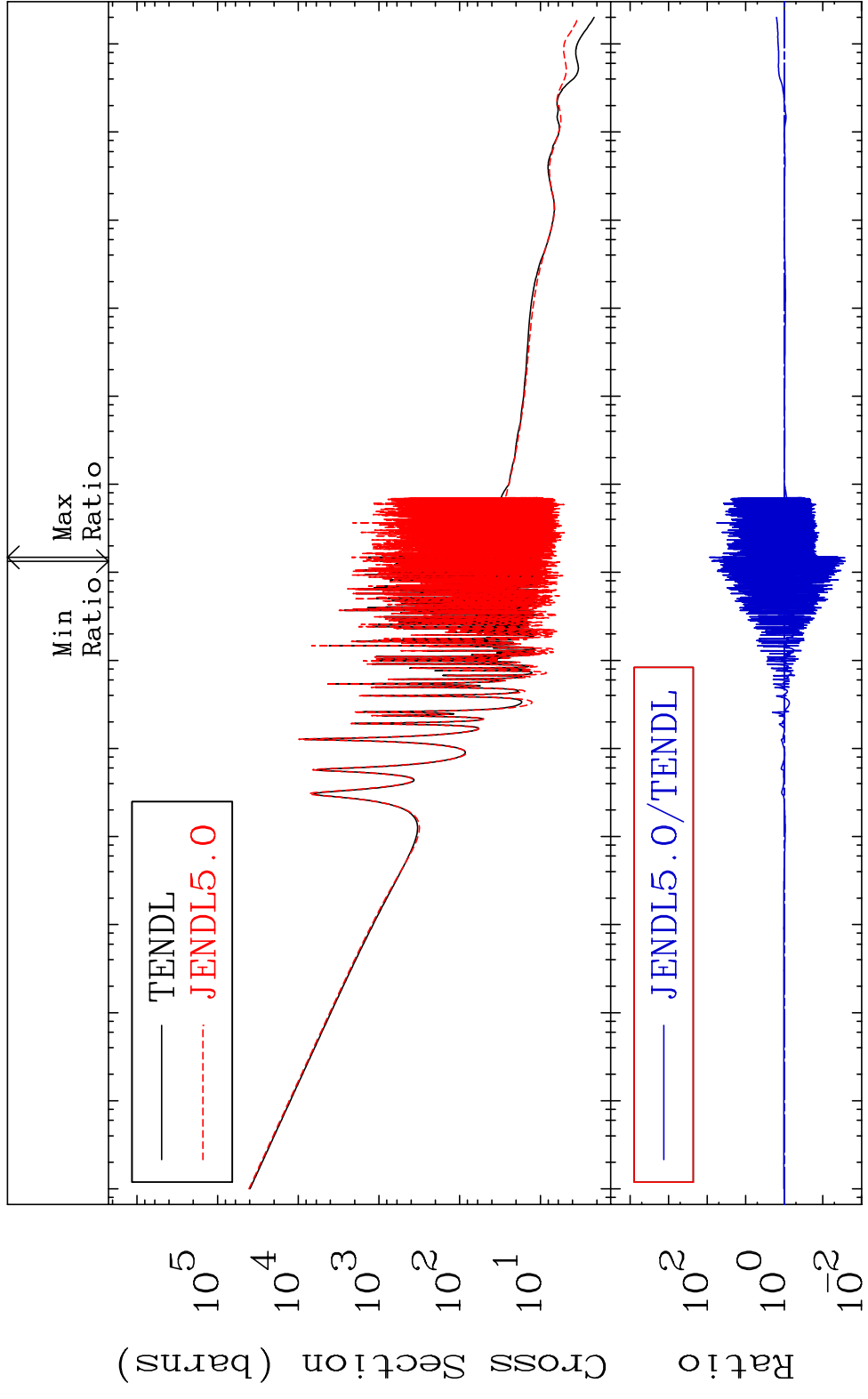
Press Mouse Button to Start

MAT 9543

Total

95-Am-241

Cross Section -97.37 To 8456. %



1

Incident Energy (eV)

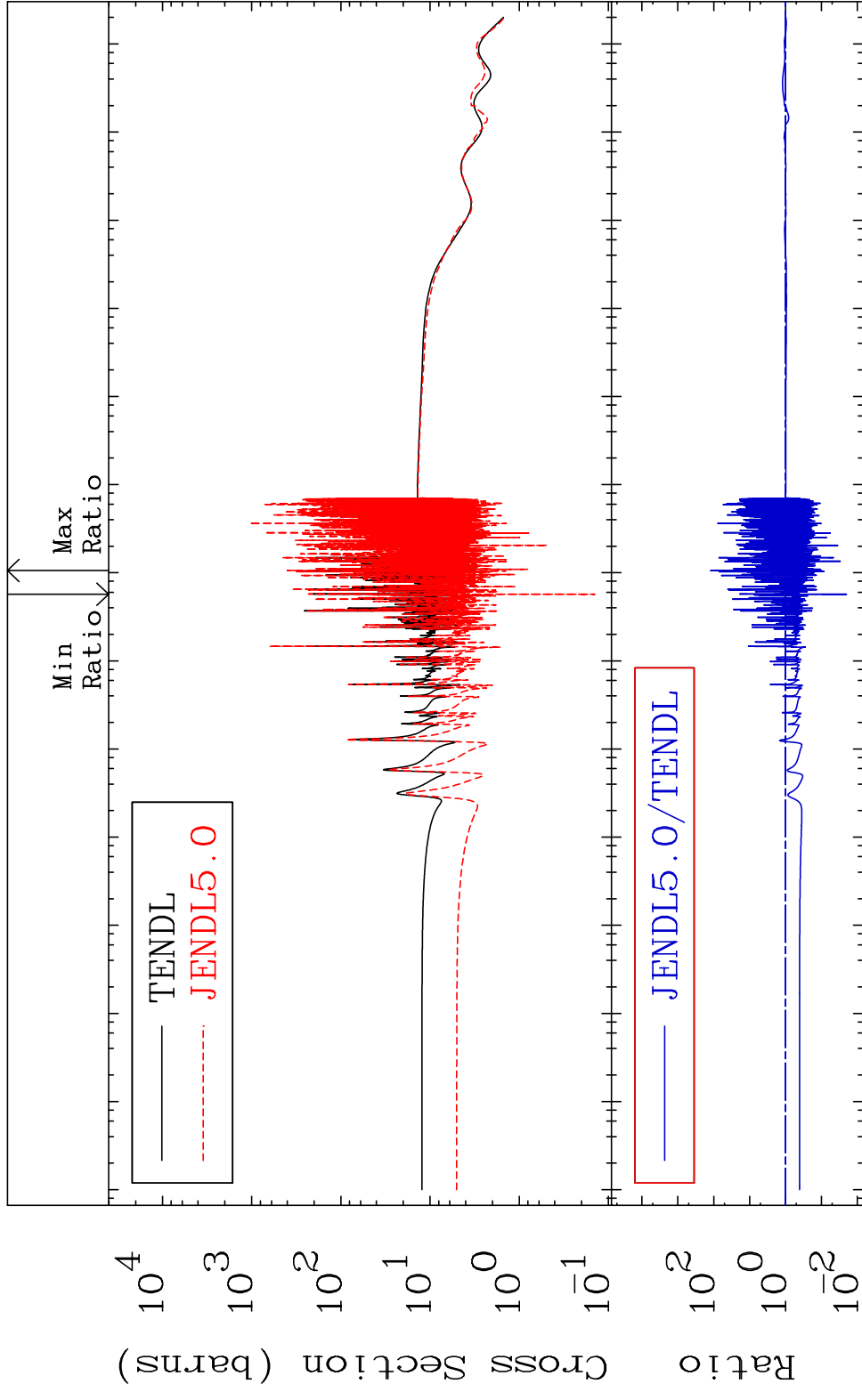
95-Am-241

MAT 9543

Elastic

95-Am-241

Cross Section -97.97 To 9999. %

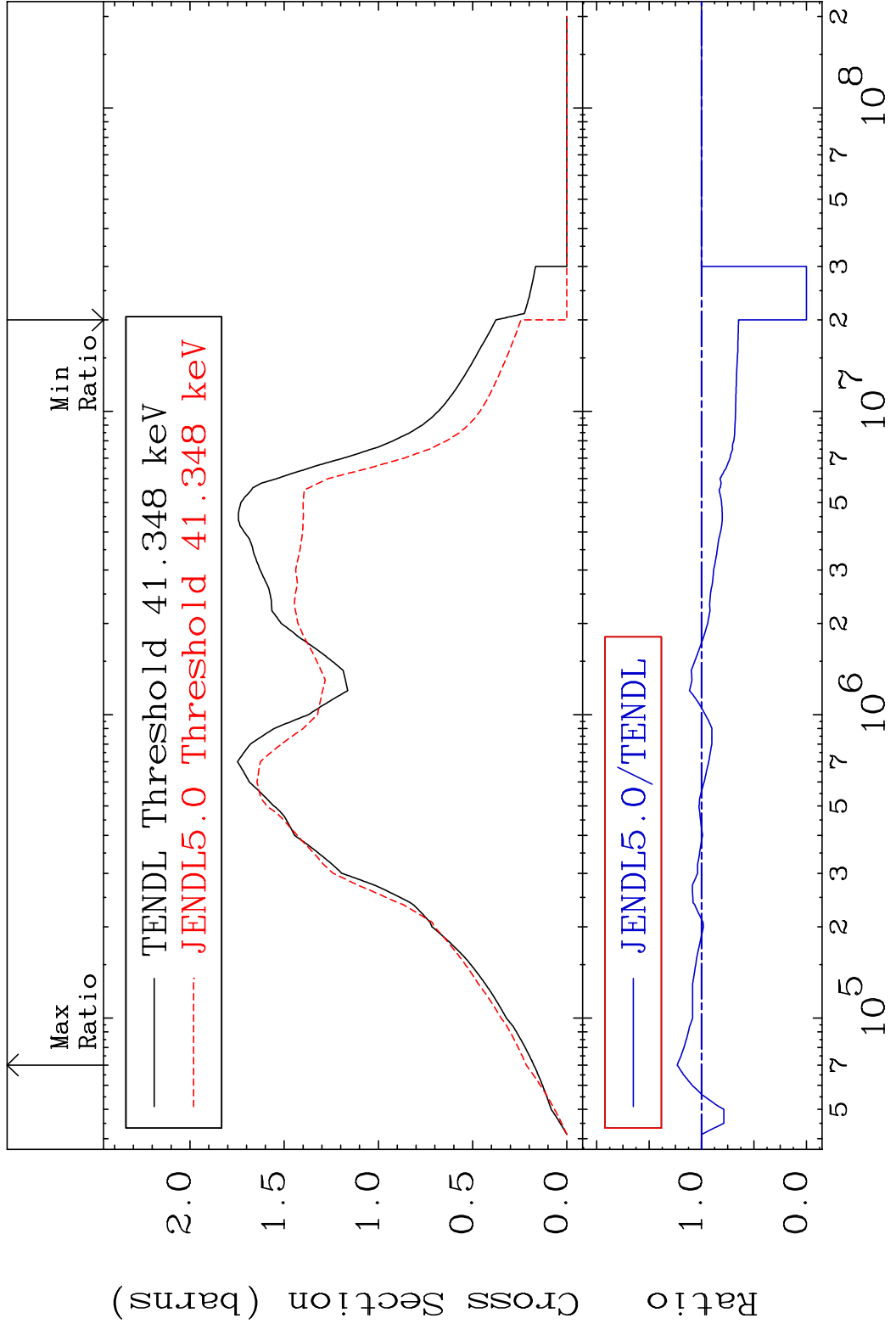


2

Incident Energy (eV)

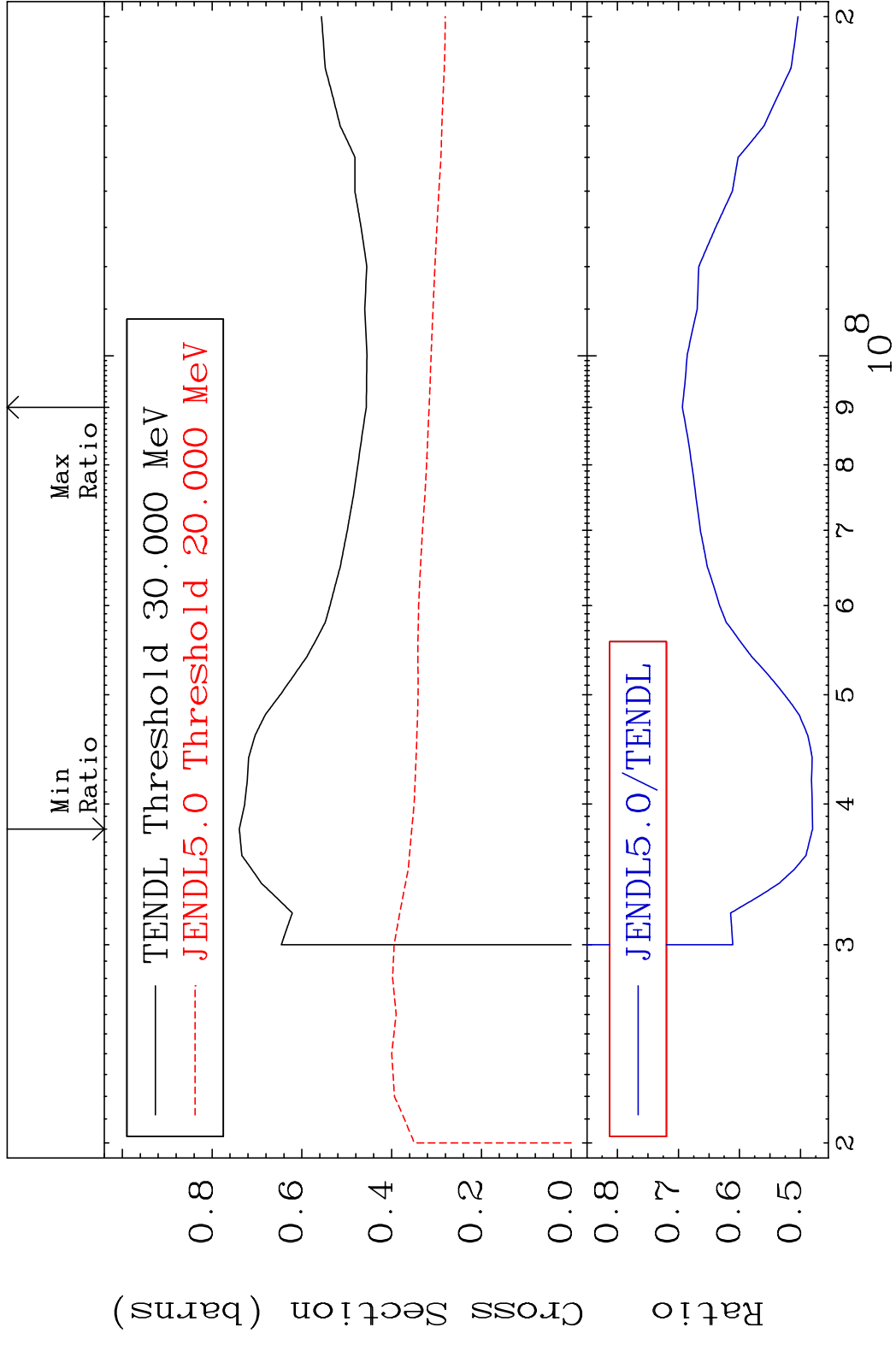
95-Am-241

MAT 9543 Inelastic 95-Am-241  
 Cross Section -100.0 To 23.23 %



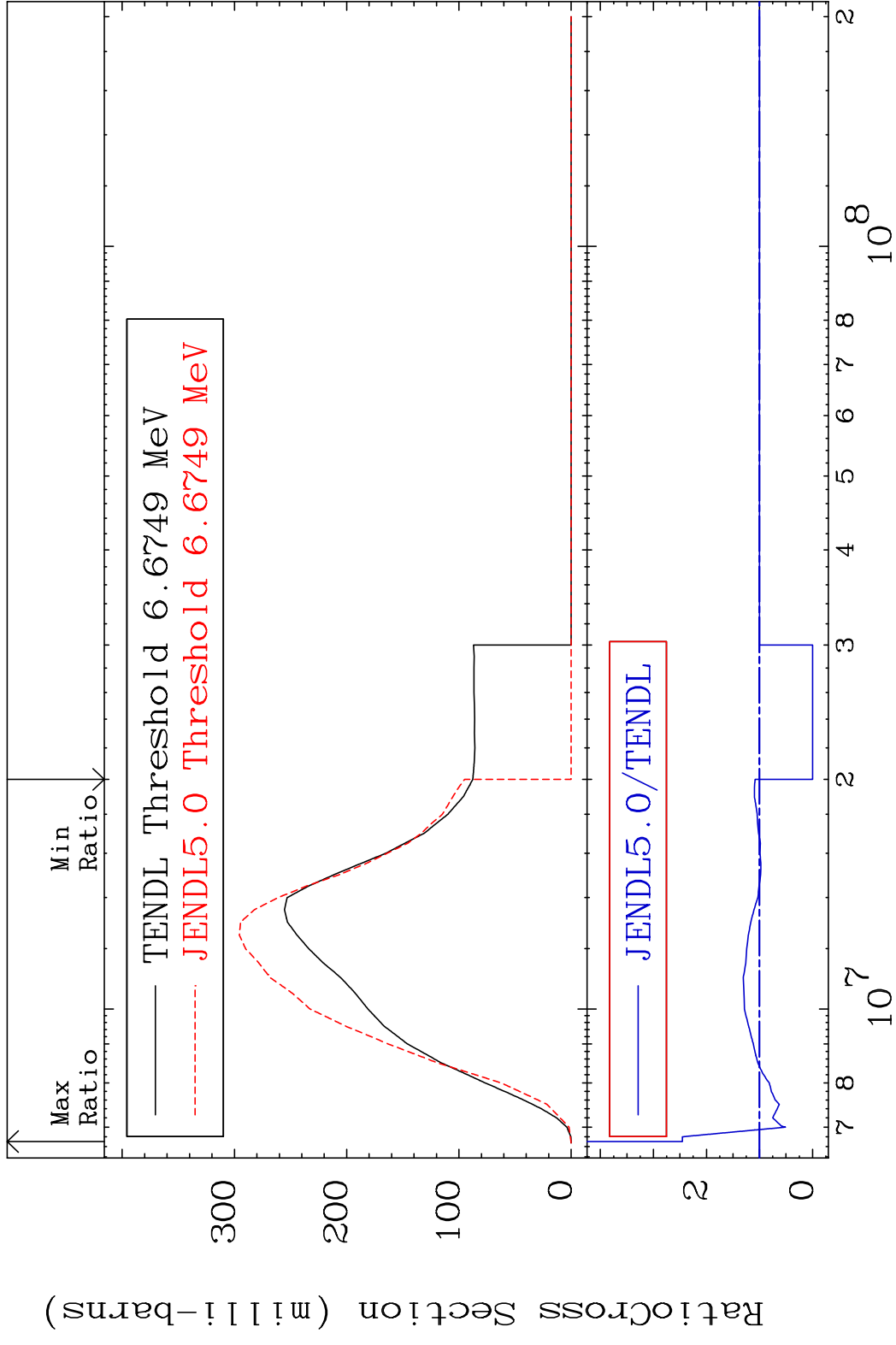
MAT 9543

(n, remainder) 95-Am-241  
Cross Section -51.97 To -30.64%



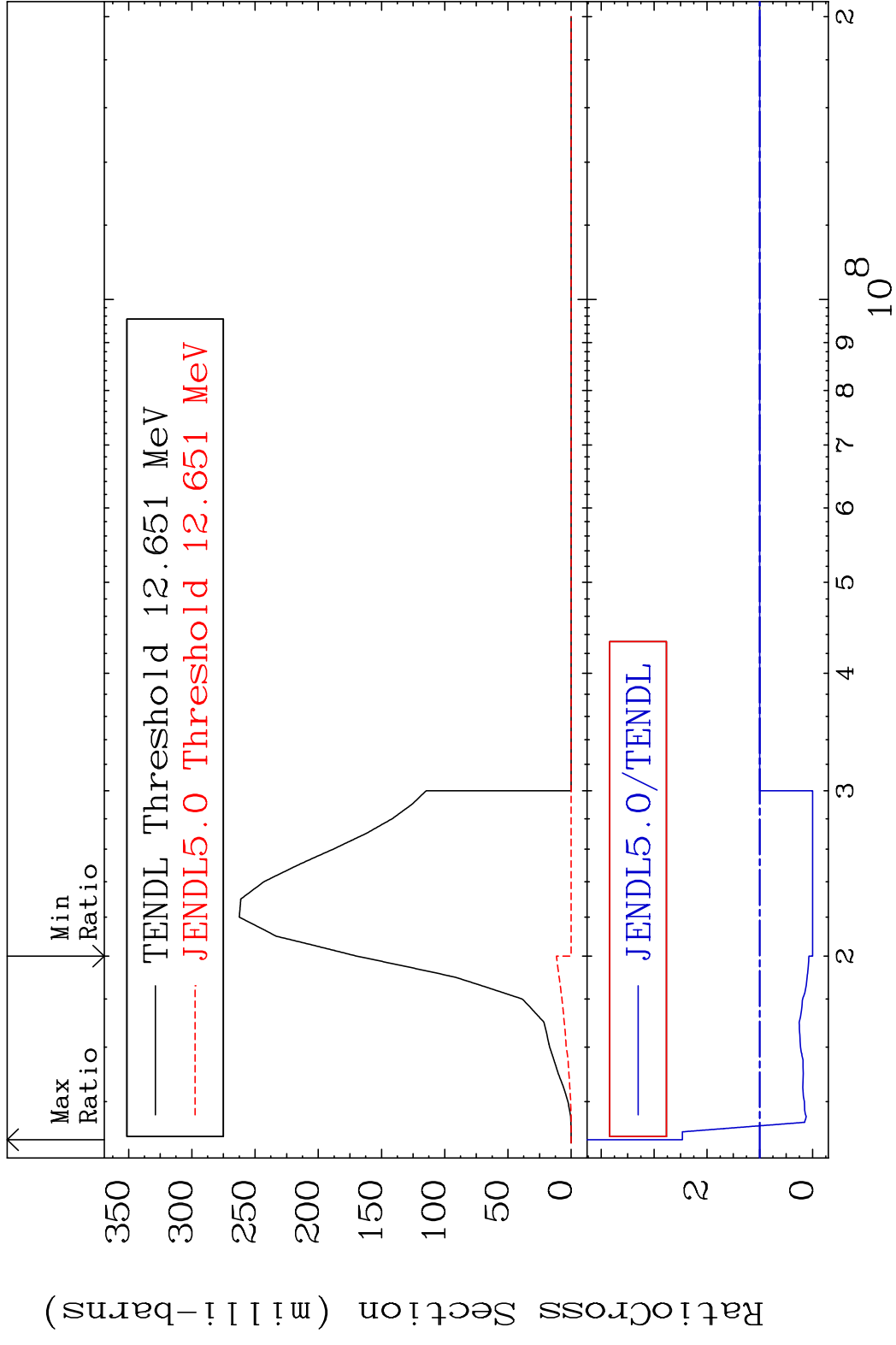
4 Incident Energy (eV) 95-Am-241

MAT 9543 (n,2n) 95-Am-241  
 Cross Section -100.0 To 145.5 %



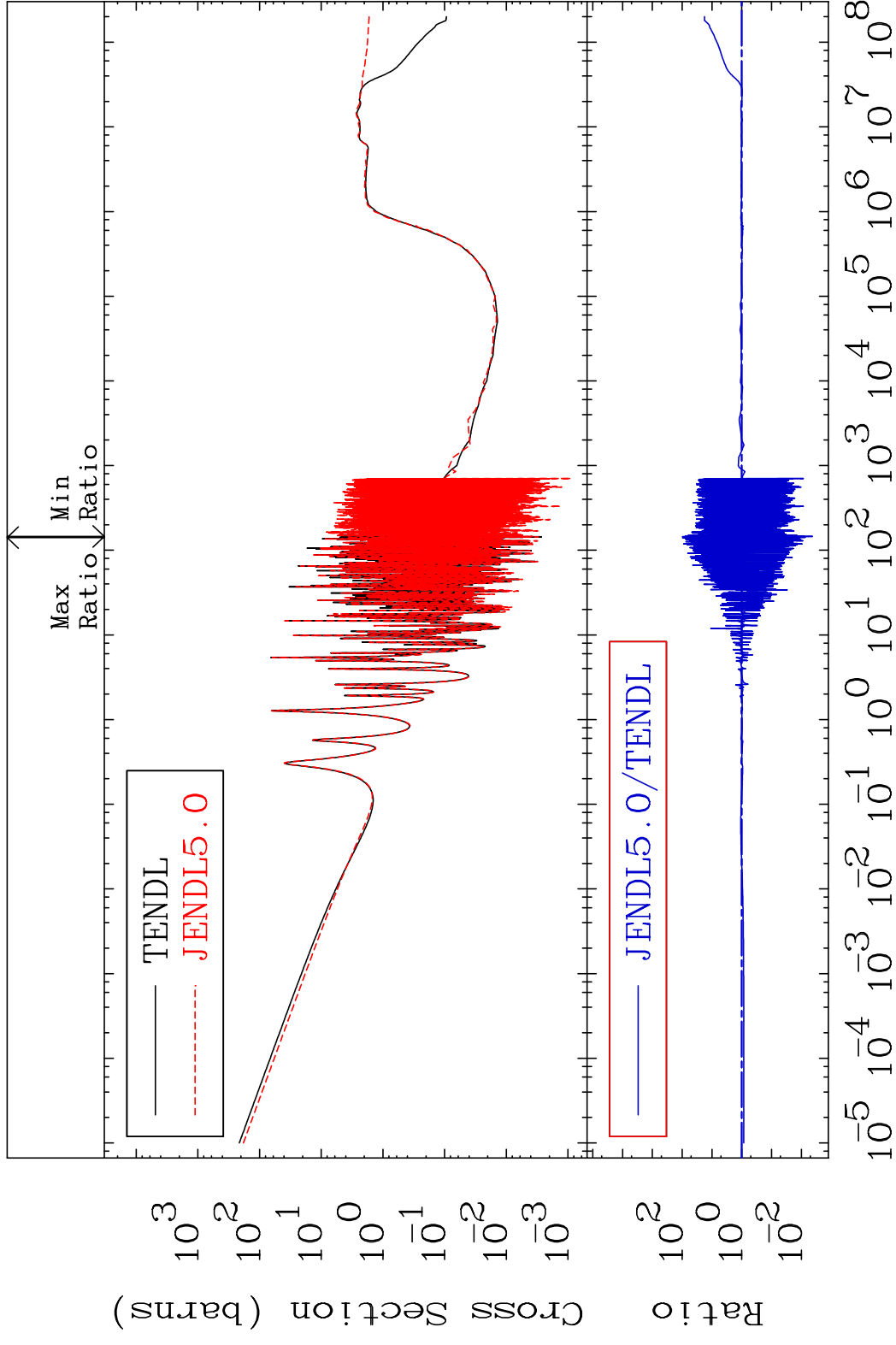
5 95-Am-241

MAT 9543 (n,3n) 95-Am-241  
 Cross Section -100.0 To 146.5 %



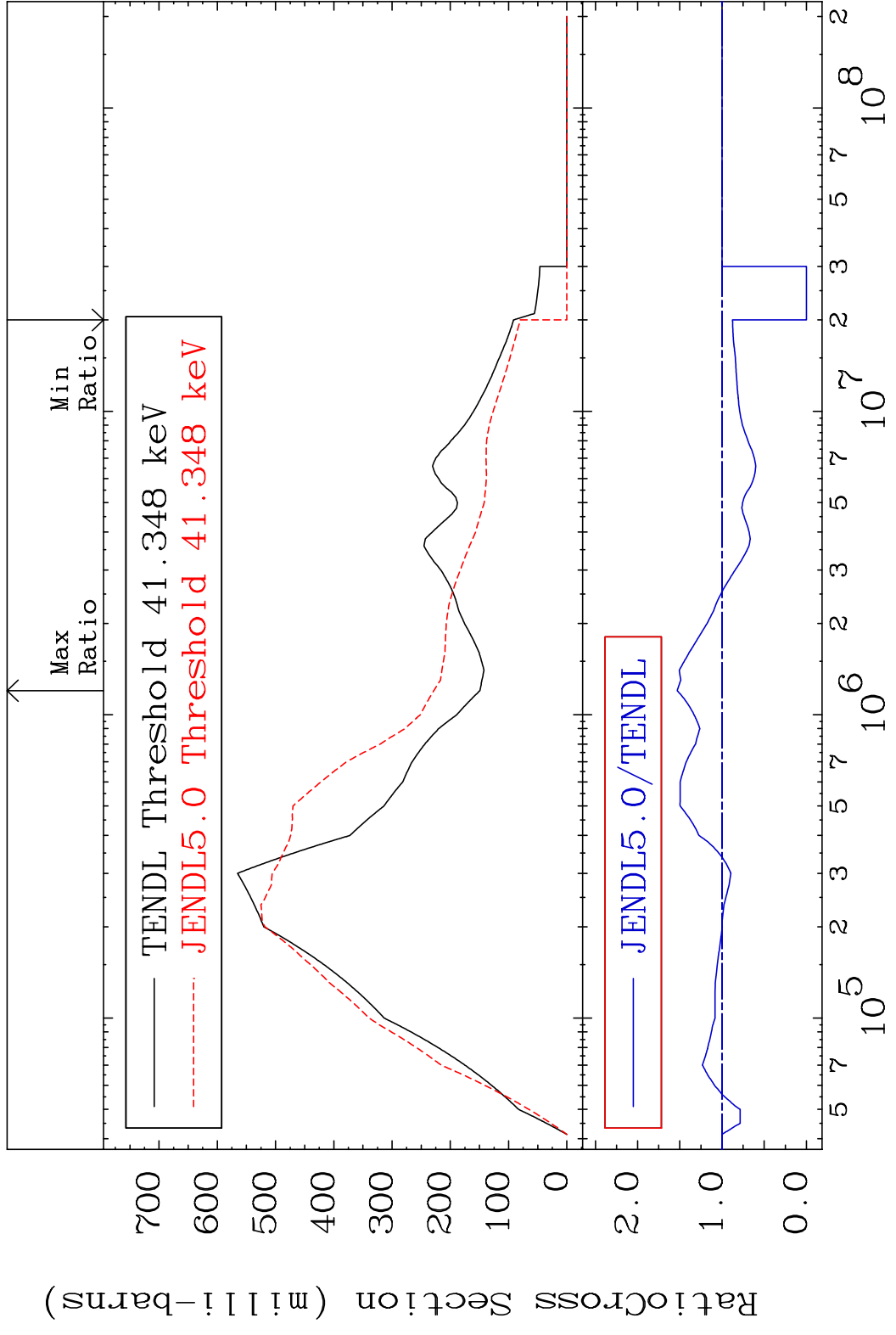
MAT 9543

Fission Cross Section -99.58 To 9753. %  
95-Am-241

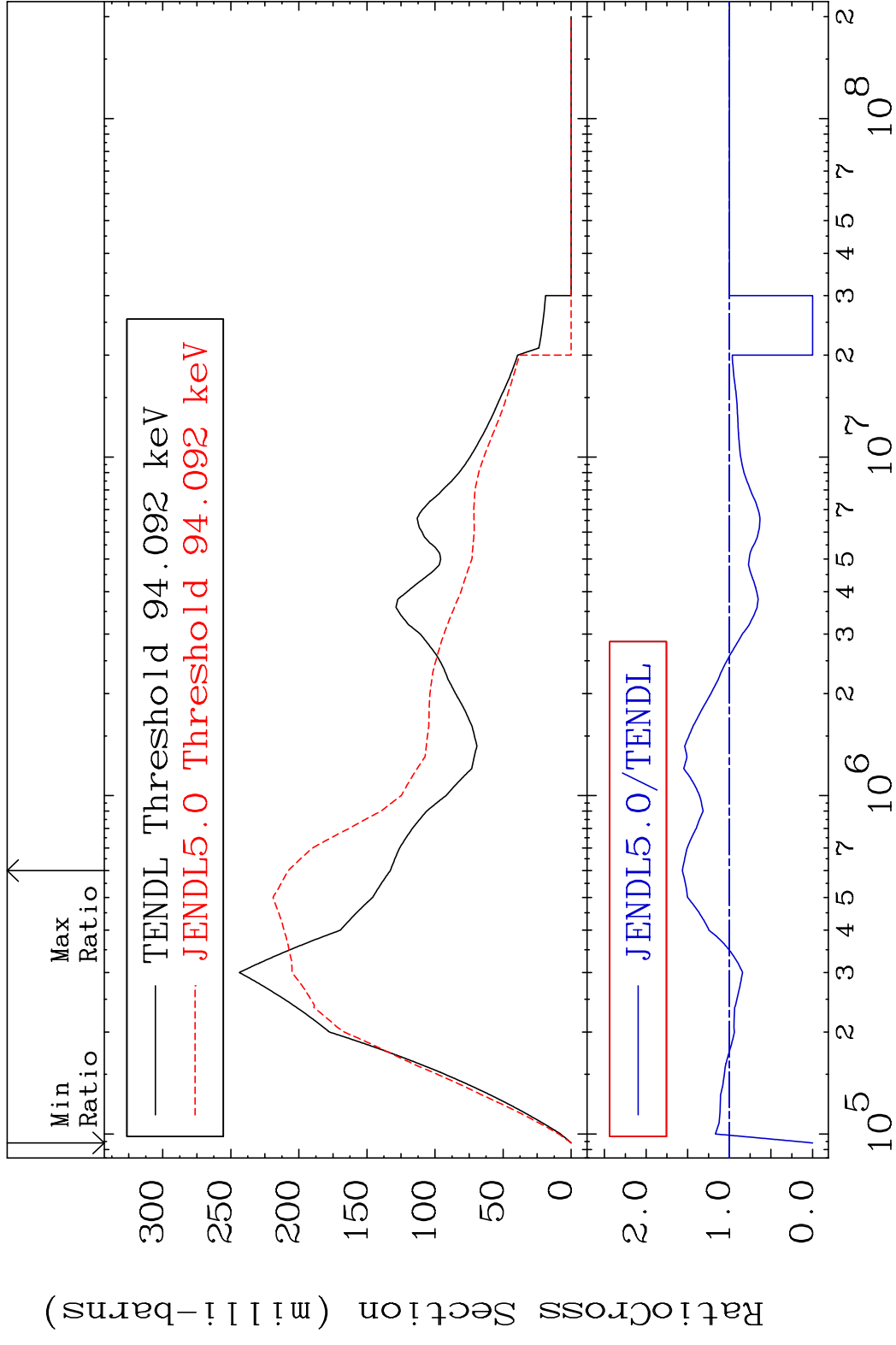


7 Incident Energy (eV) 95-Am-241

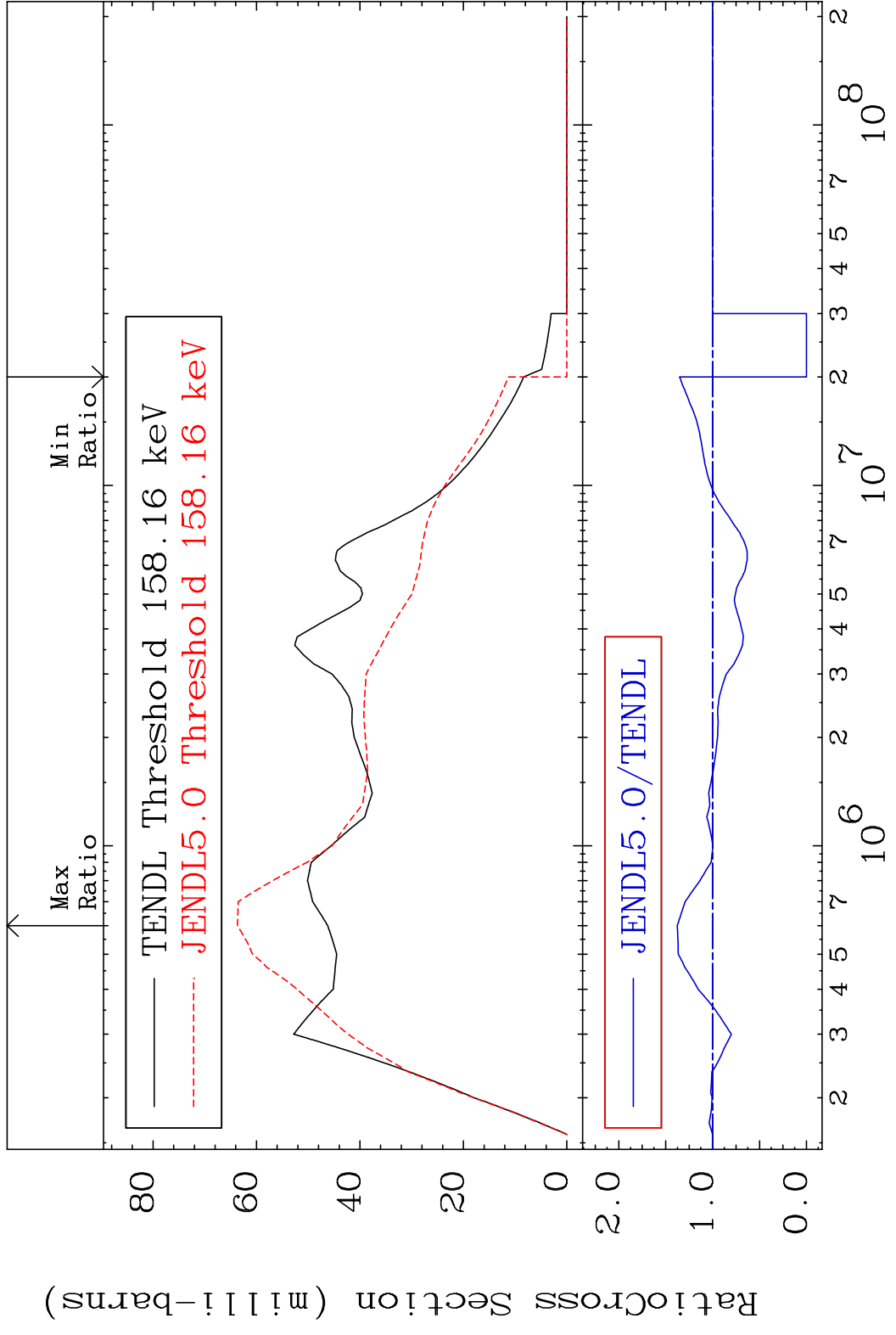
MAT 9543 MT= 51 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 53.11 %



MAT 9543 MT= 52 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 56.43 %

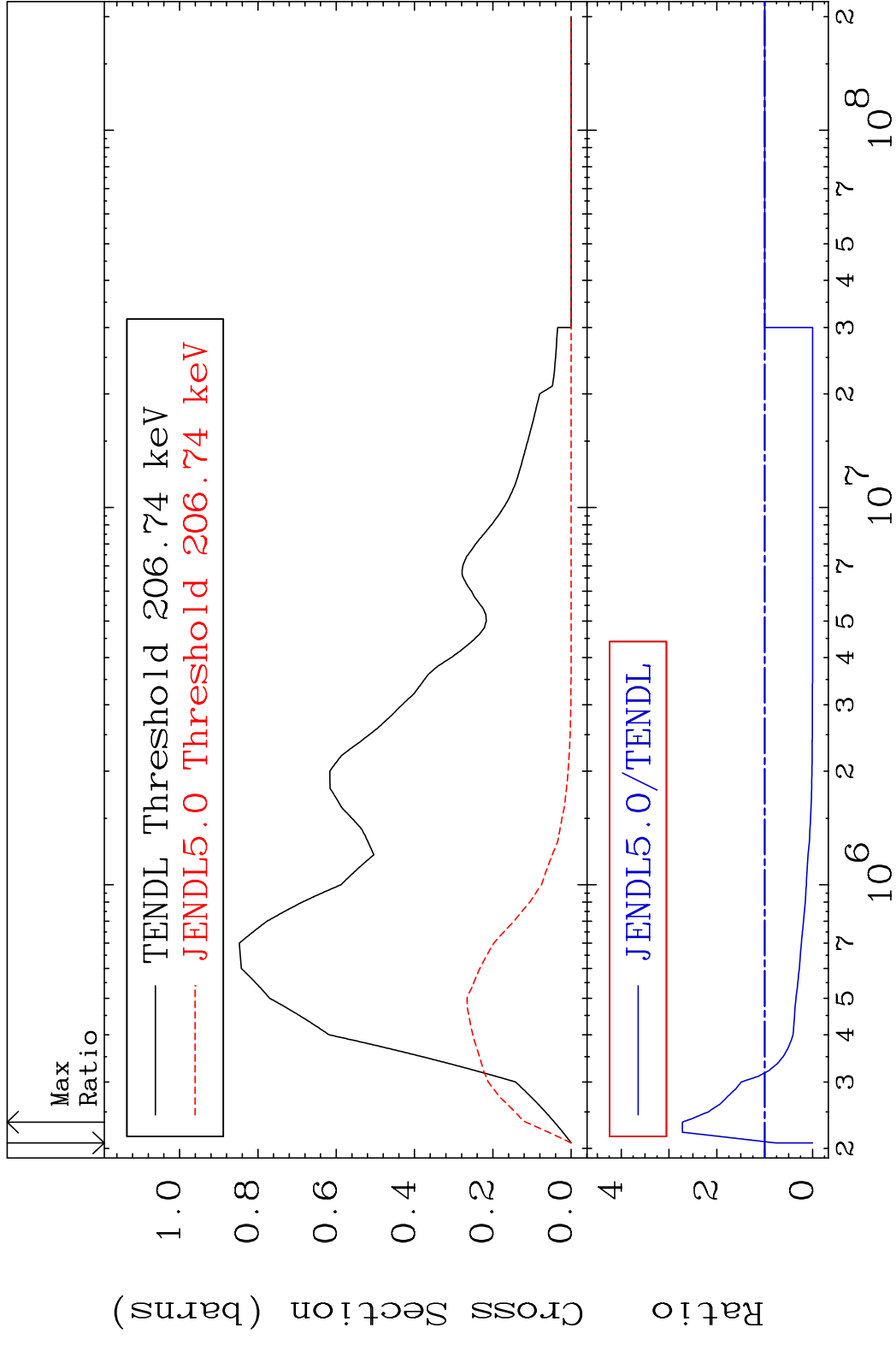


MAT 9543 MT= 53 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 37.74 %

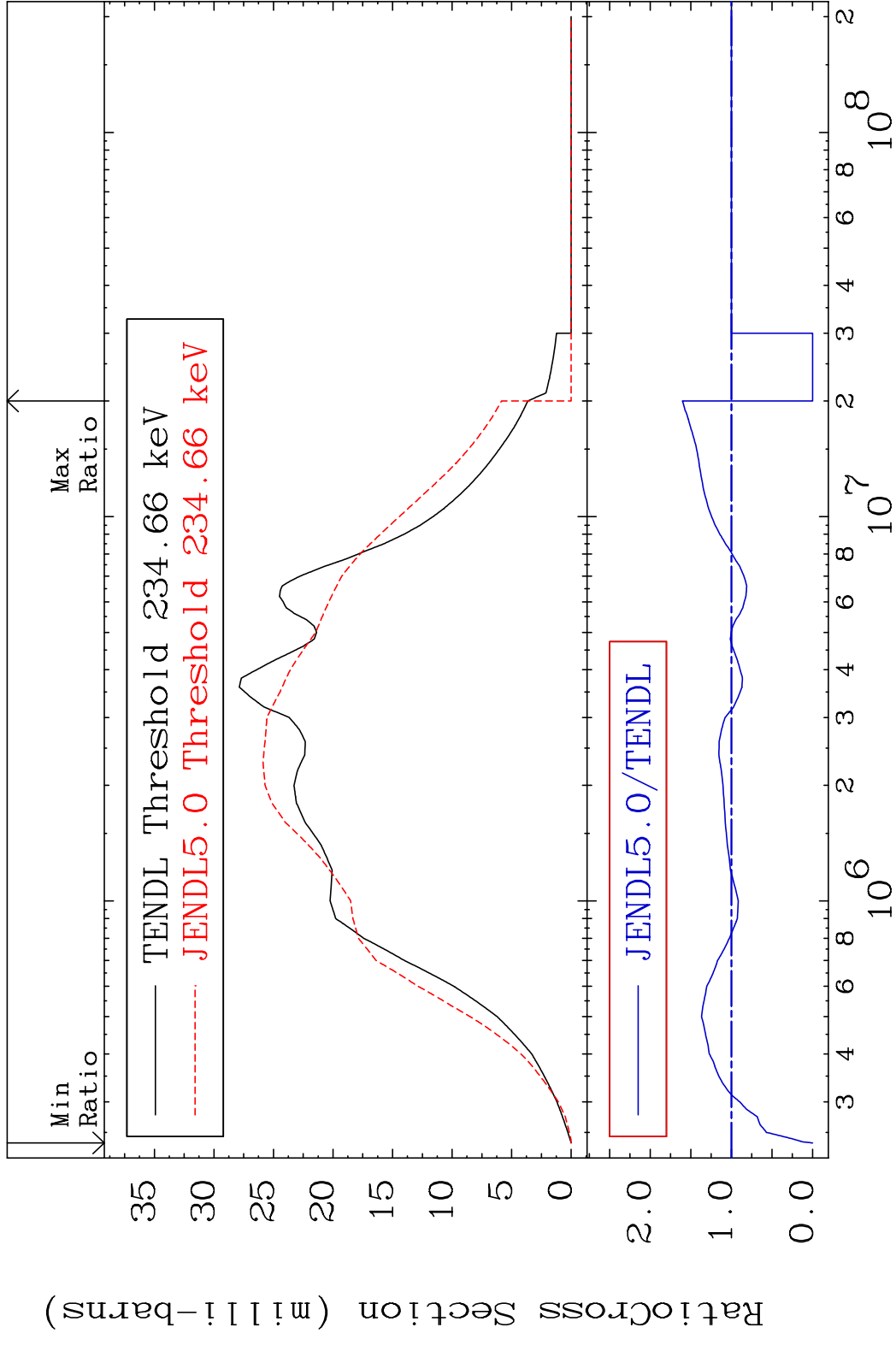


10 Incident Energy (eV) 95-Am-241

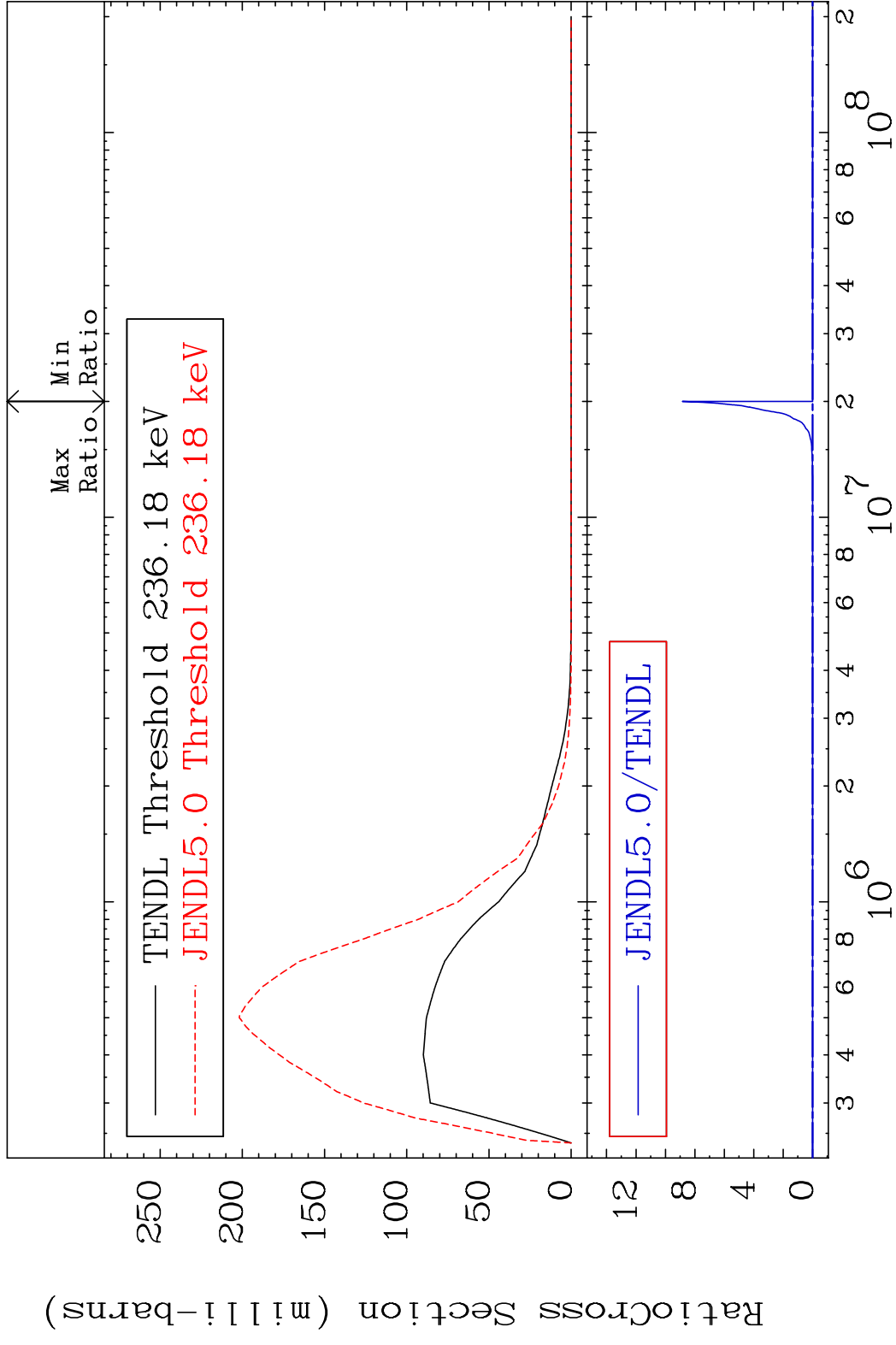
MAT 9543 MT= 54 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 172.1 %



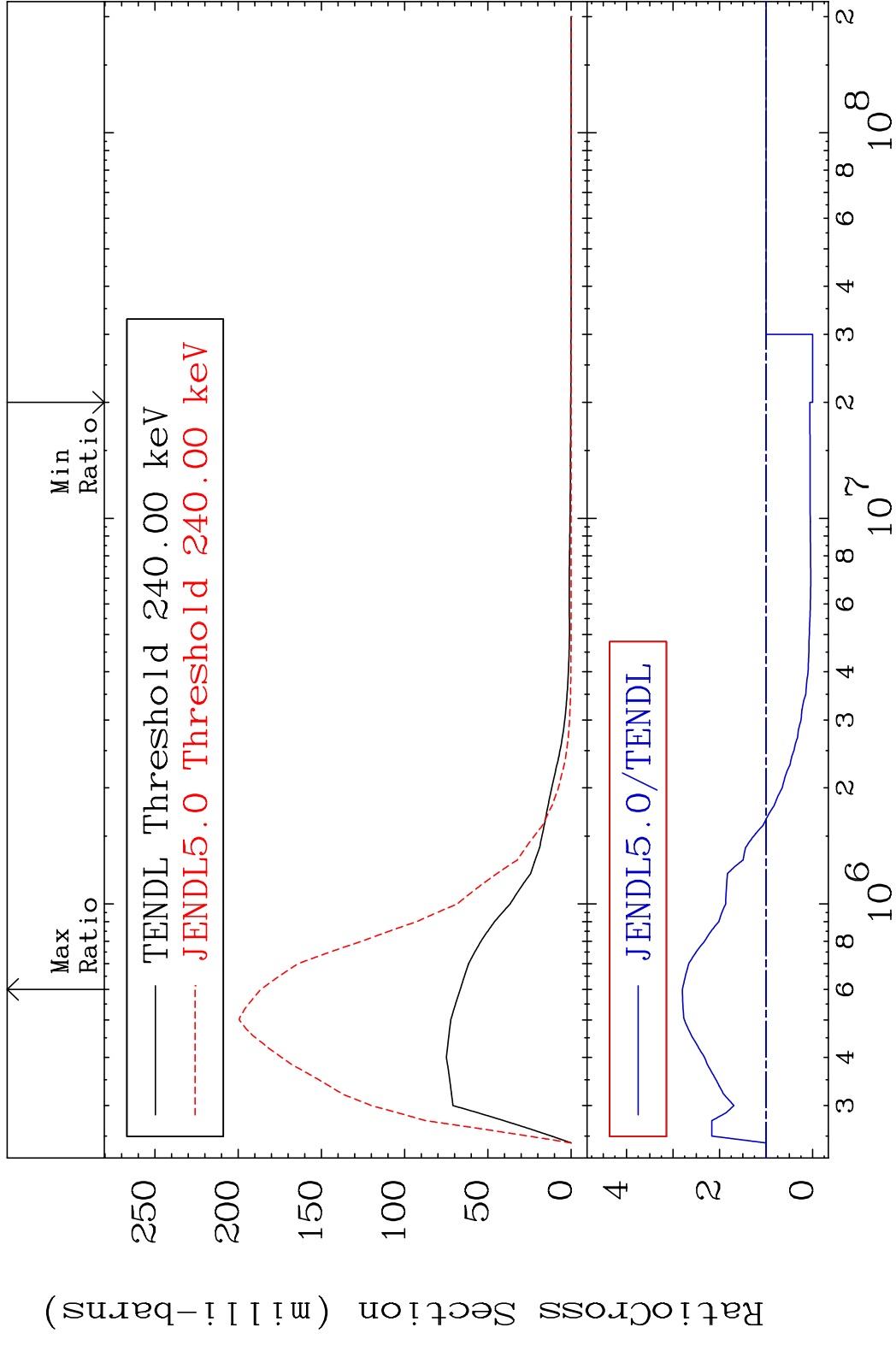
MAT 9543 MT= 55 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 60.43 %



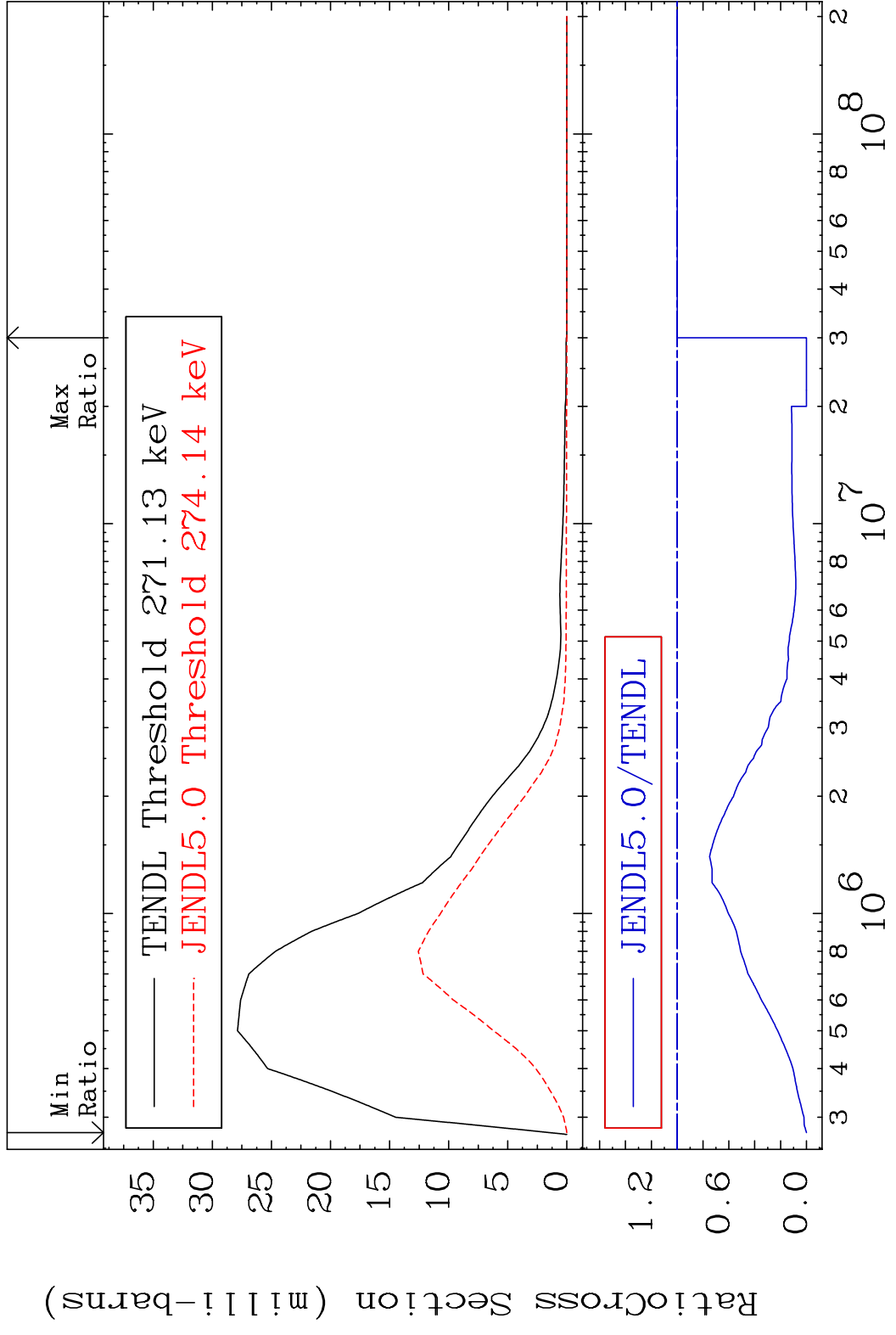
MAT 9543 MT= 56 (n,n') Level 95-Am-241  
 Cross Section -100.0 To 9999. %



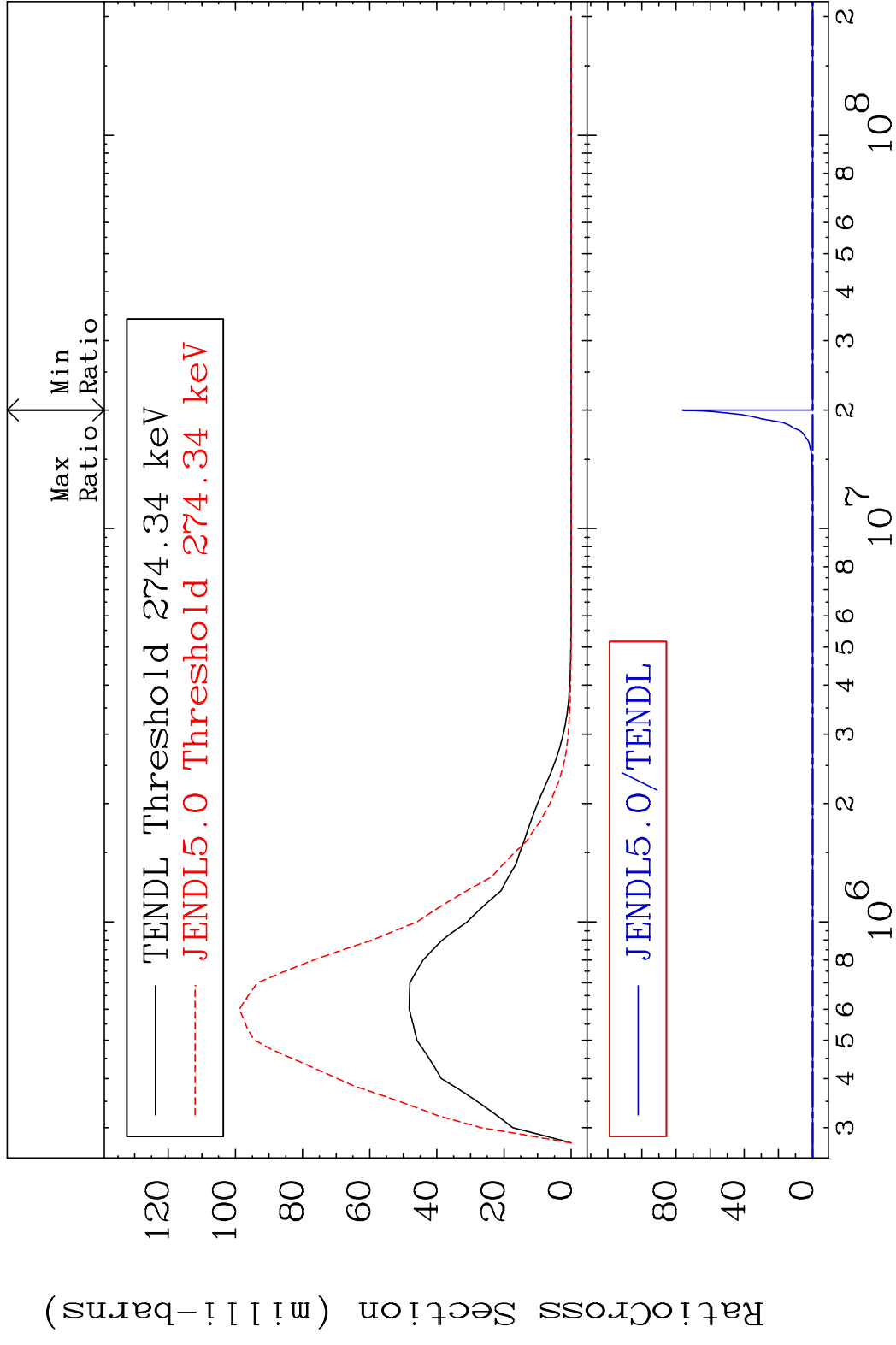
MAT 9543 MT= 57 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 179.9 %



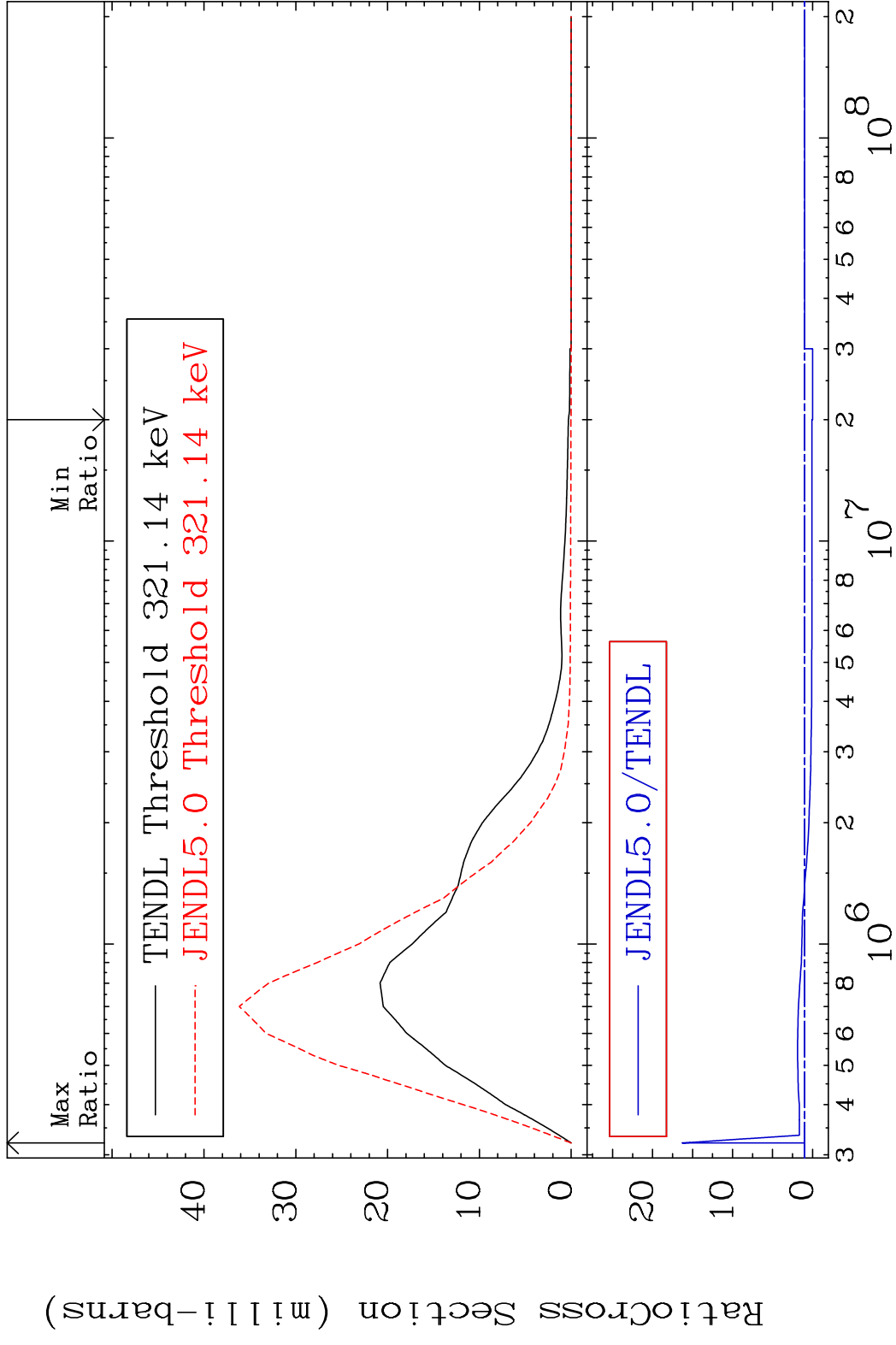
MAT 9543 MT= 58 (n,n') Level 95-Am-241  
 Cross Section -100.0 To 0.000 %



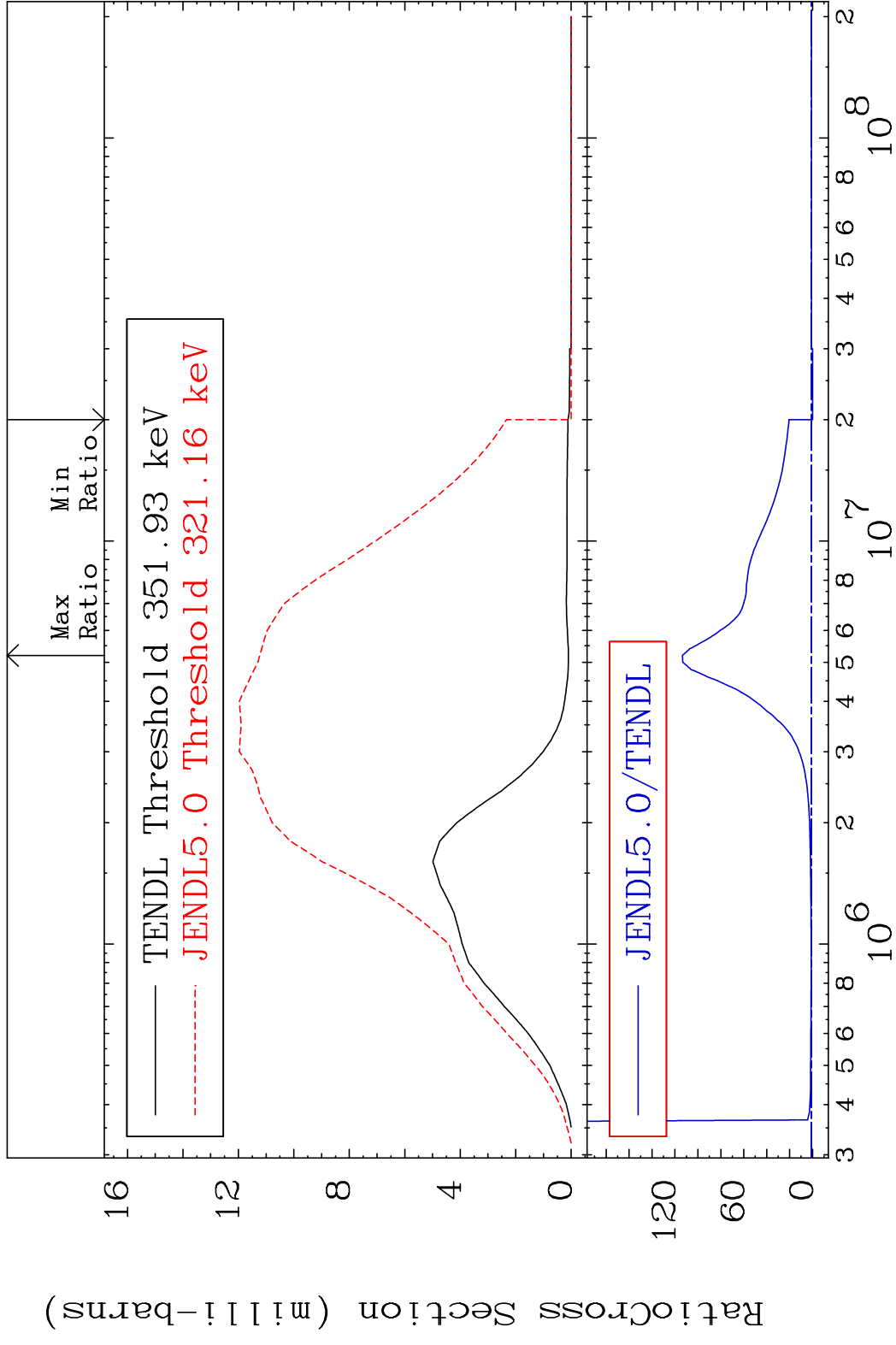
MAT 9543 MT= 59 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 9999. %



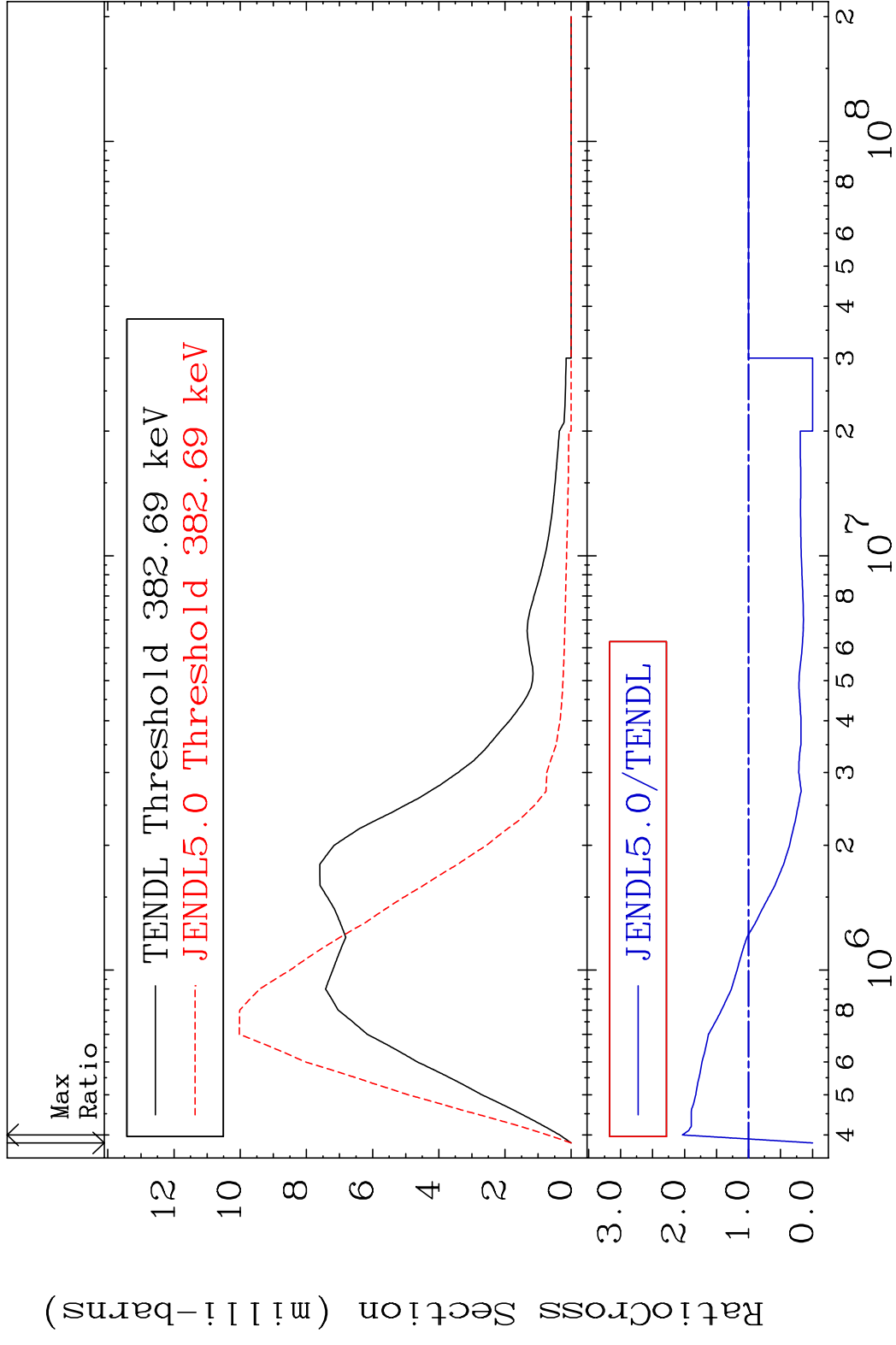
MAT 9543 MT= 60 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 1528. %



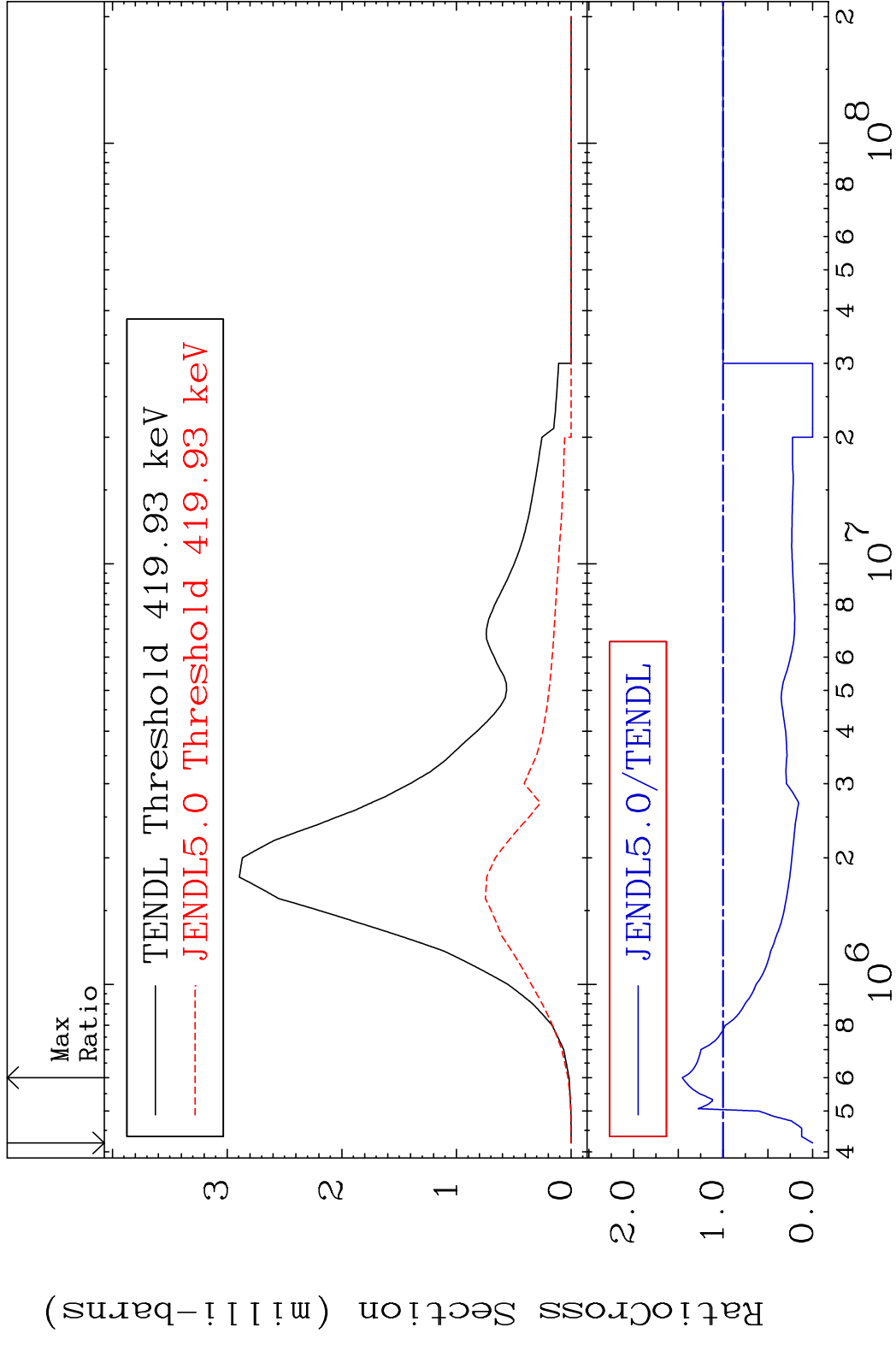
MAT 9543 MT= 61 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 9999. %



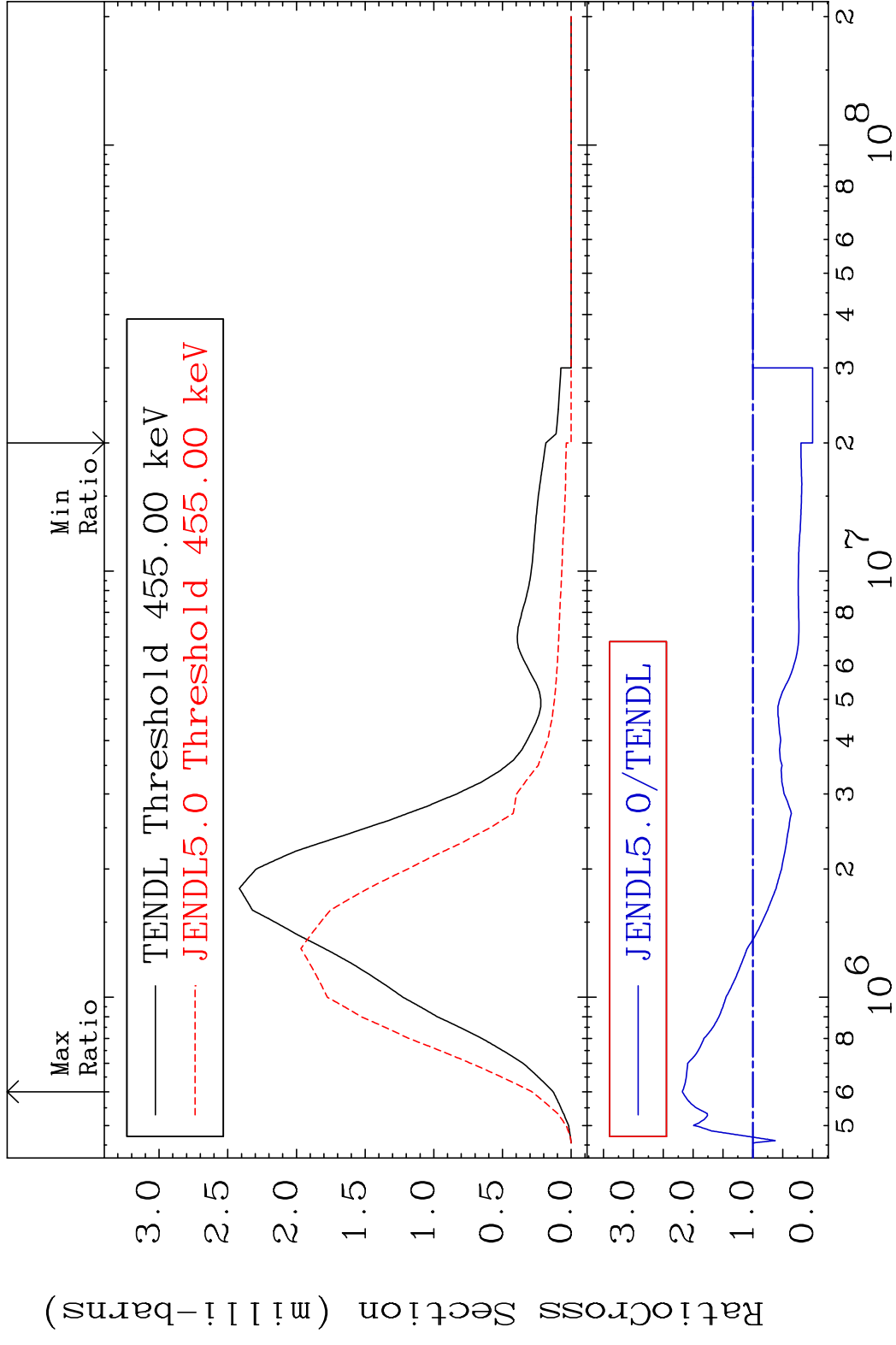
MAT 9543 MT= 62 (n,n') Level 95-Am-241  
 Cross Section -100.0 To 103.4 %



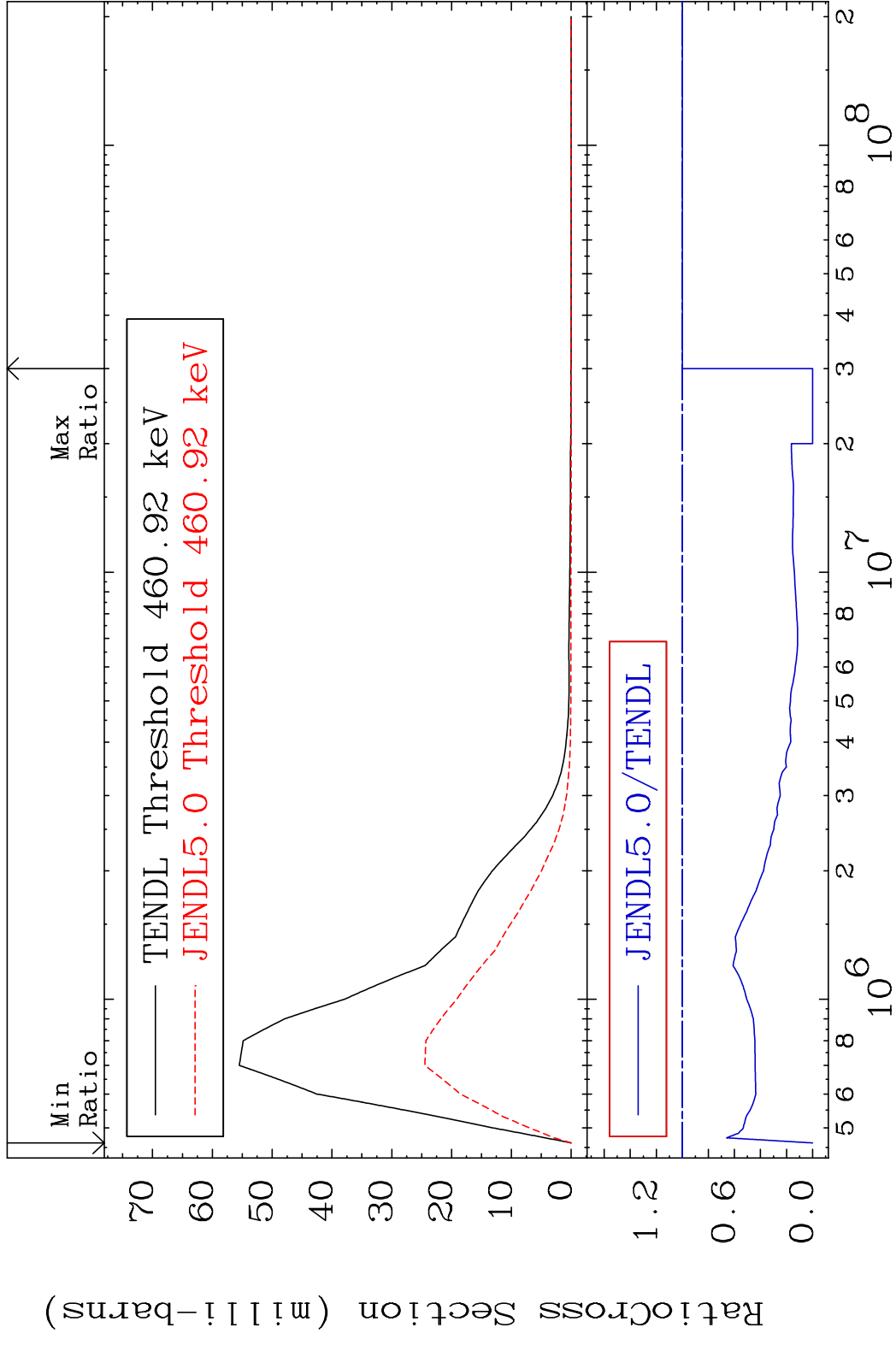
MAT 9543 MT= 63 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 45.49 %



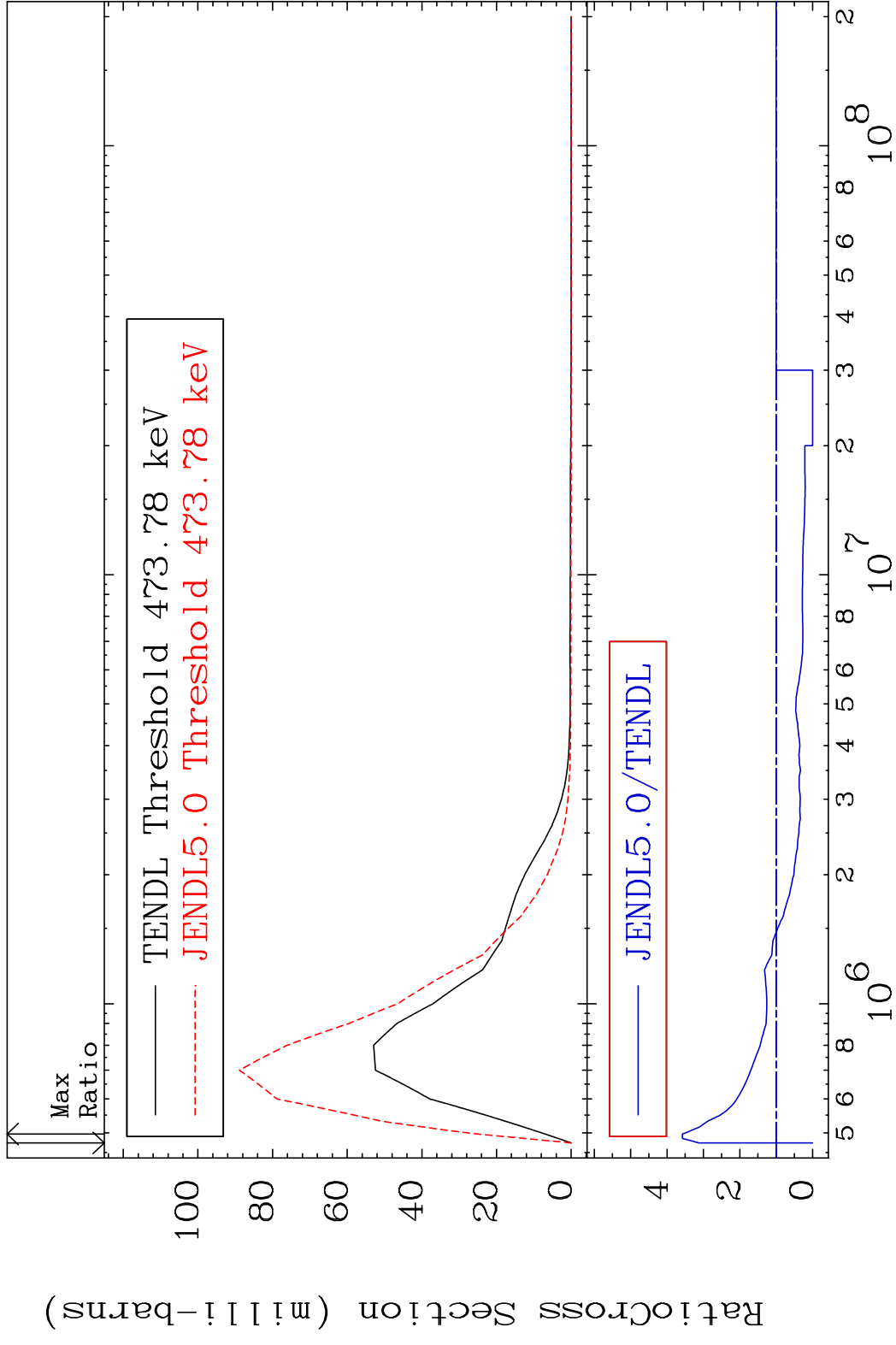
MAT 9543 MT= 64 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 118.0 %



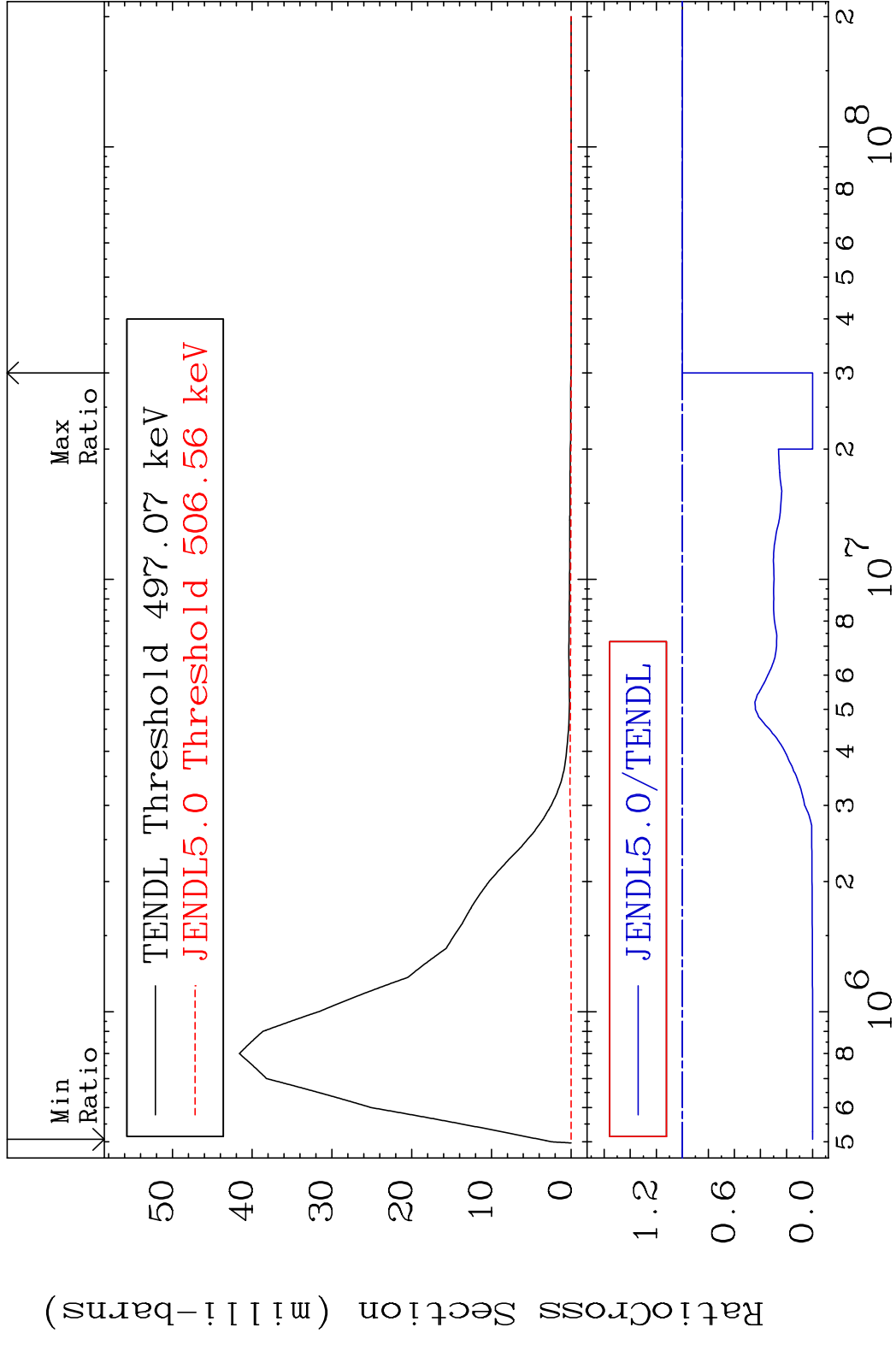
MAT 9543 MT= 65 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 0.000 %



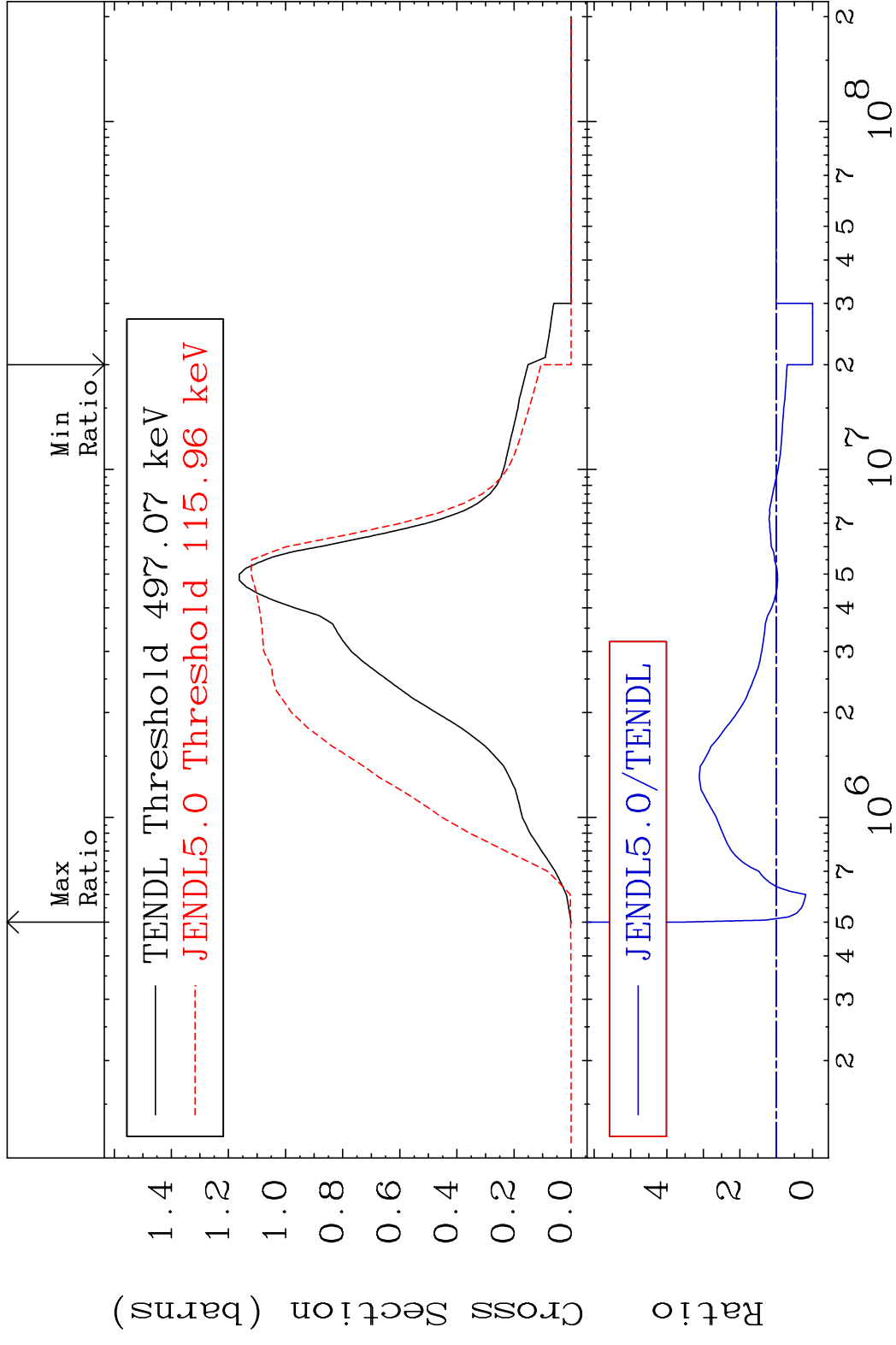
MAT 9543 MT= 66 (n,n') Level 95-Am-241  
 Cross Section -100.0 To 257.9 %



MAT 9543 MT= 67 (n, n') Level 95-Am-241  
 Cross Section -100.0 To 0.000 %

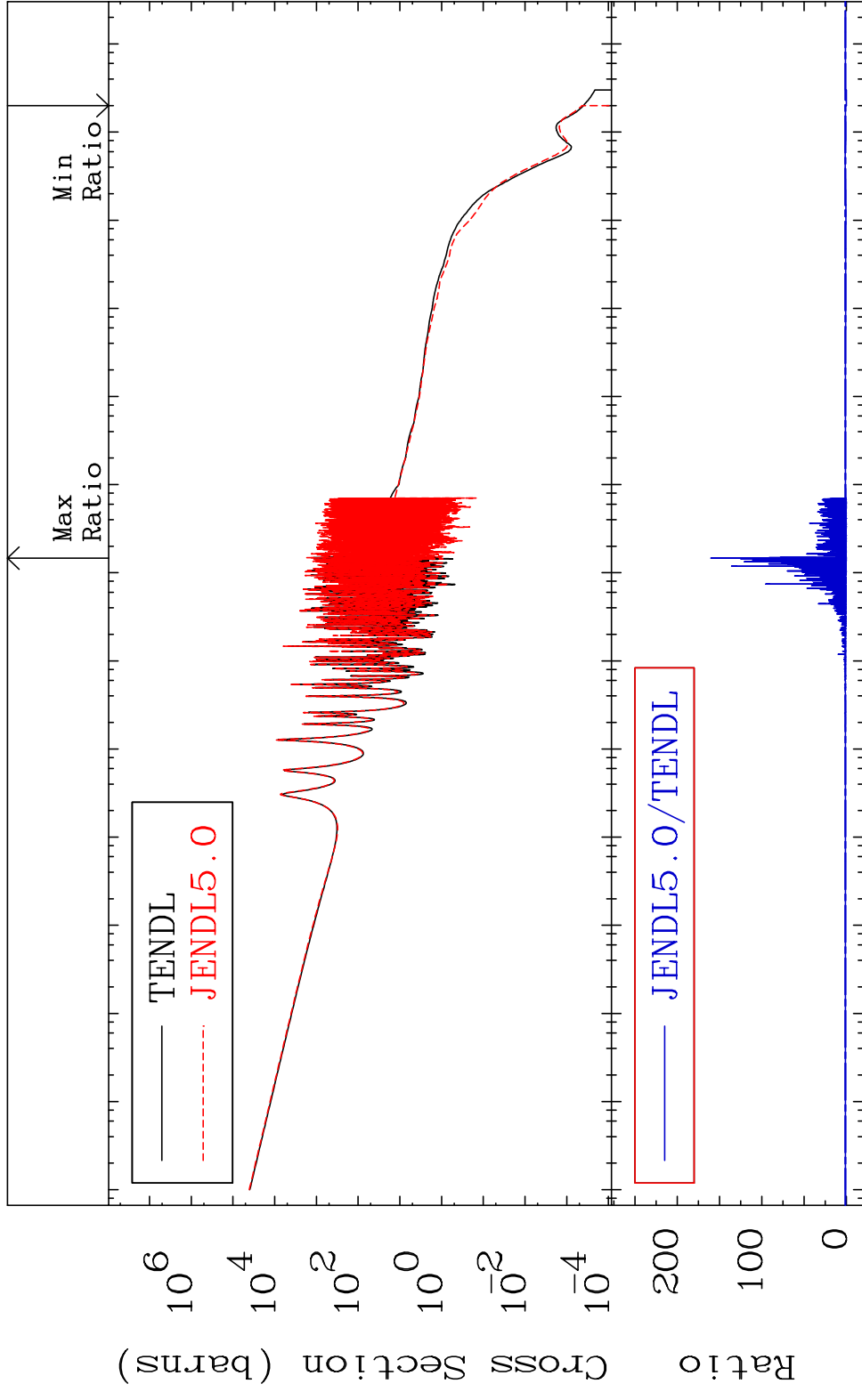


MAT 9543 (n, n') Continuum 95-Am-241  
 Cross Section -100.0 To 257.7 %



MAT 9543

(n,  $\gamma$ )  
Cross Section -100.0 To 9999. %  
95-Am-241

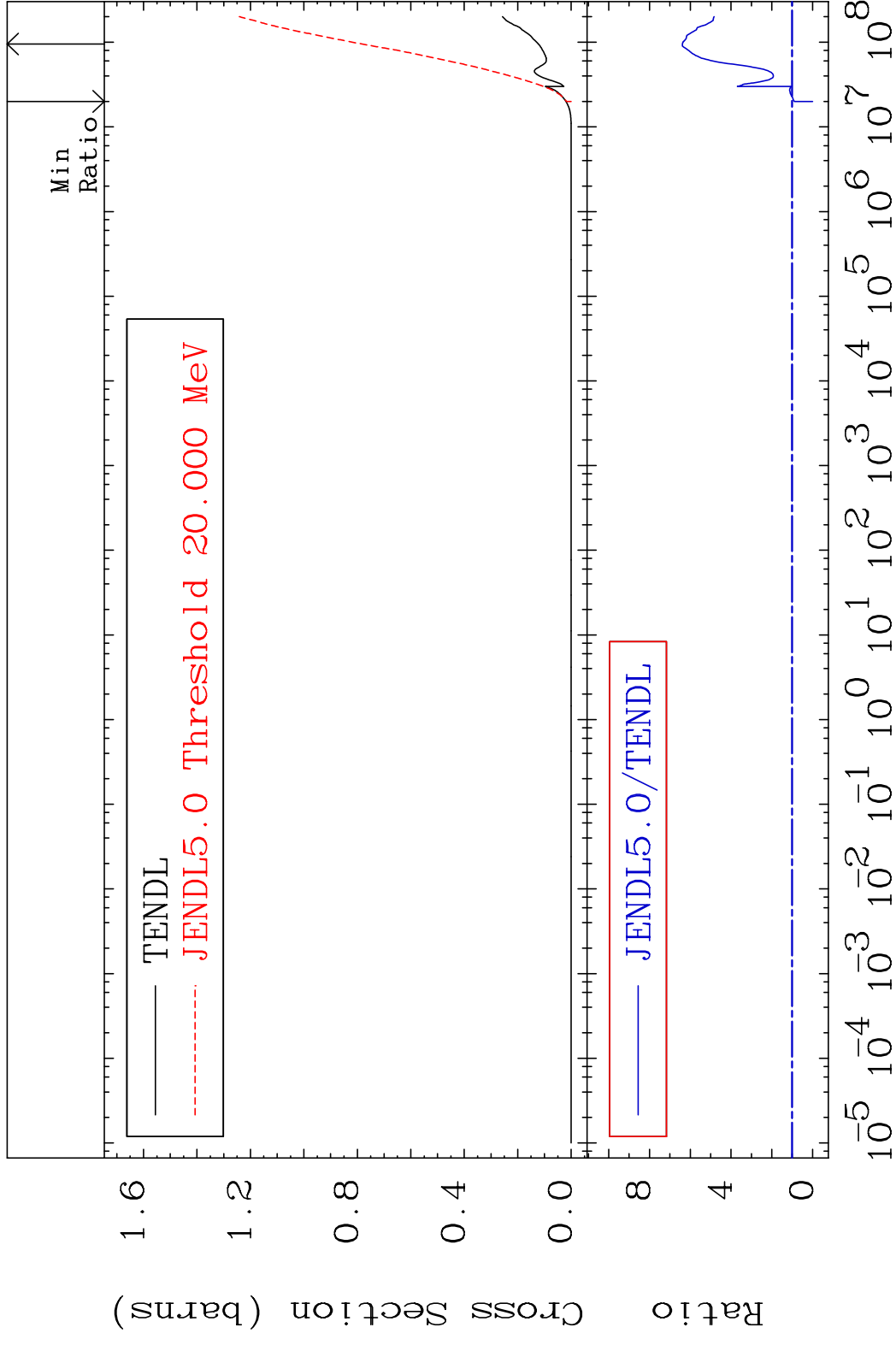


MAT 9543

Hydrogen Production

95-Am-241

Cross Section -100.0 To 538.8 %

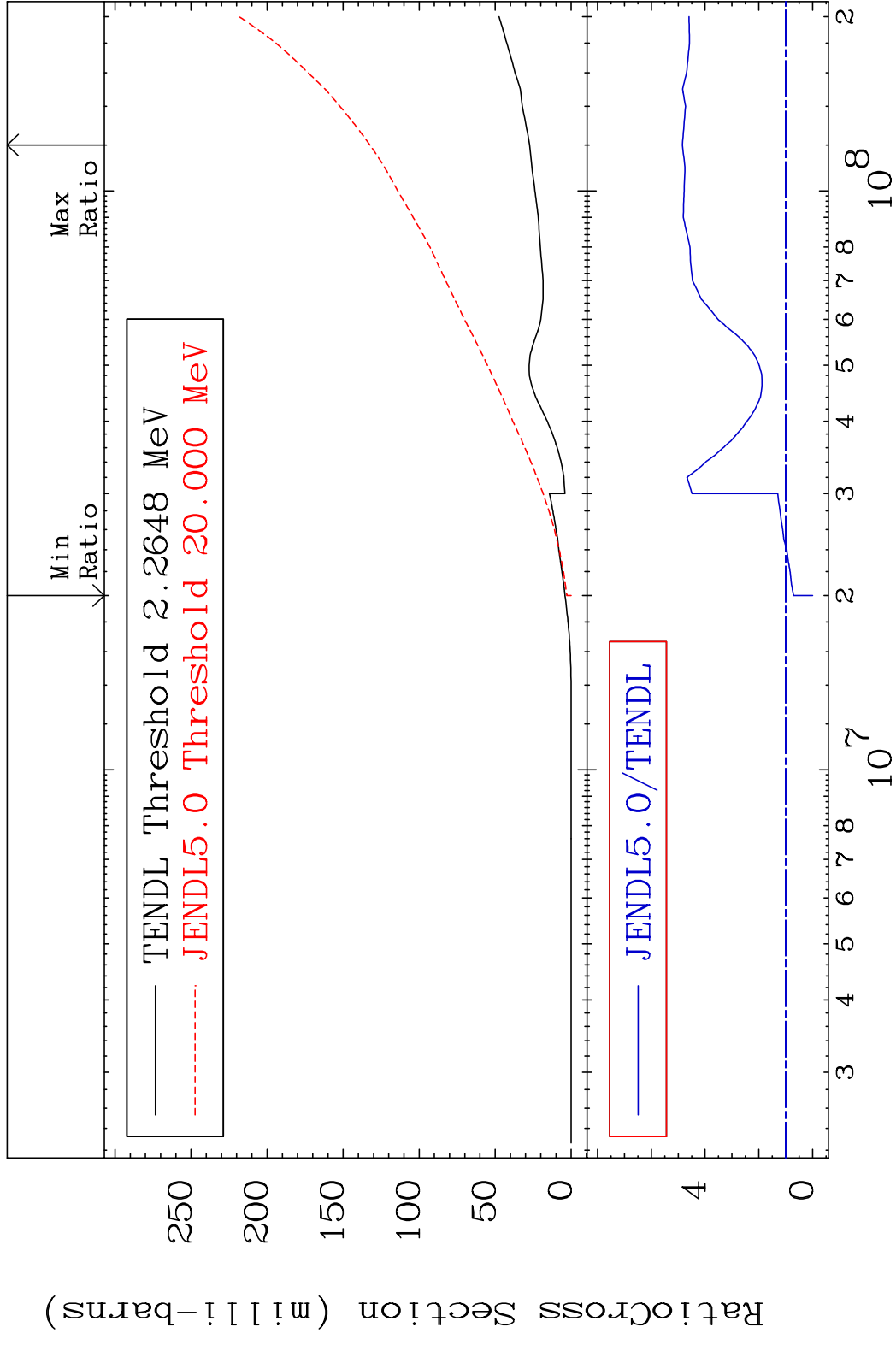


27

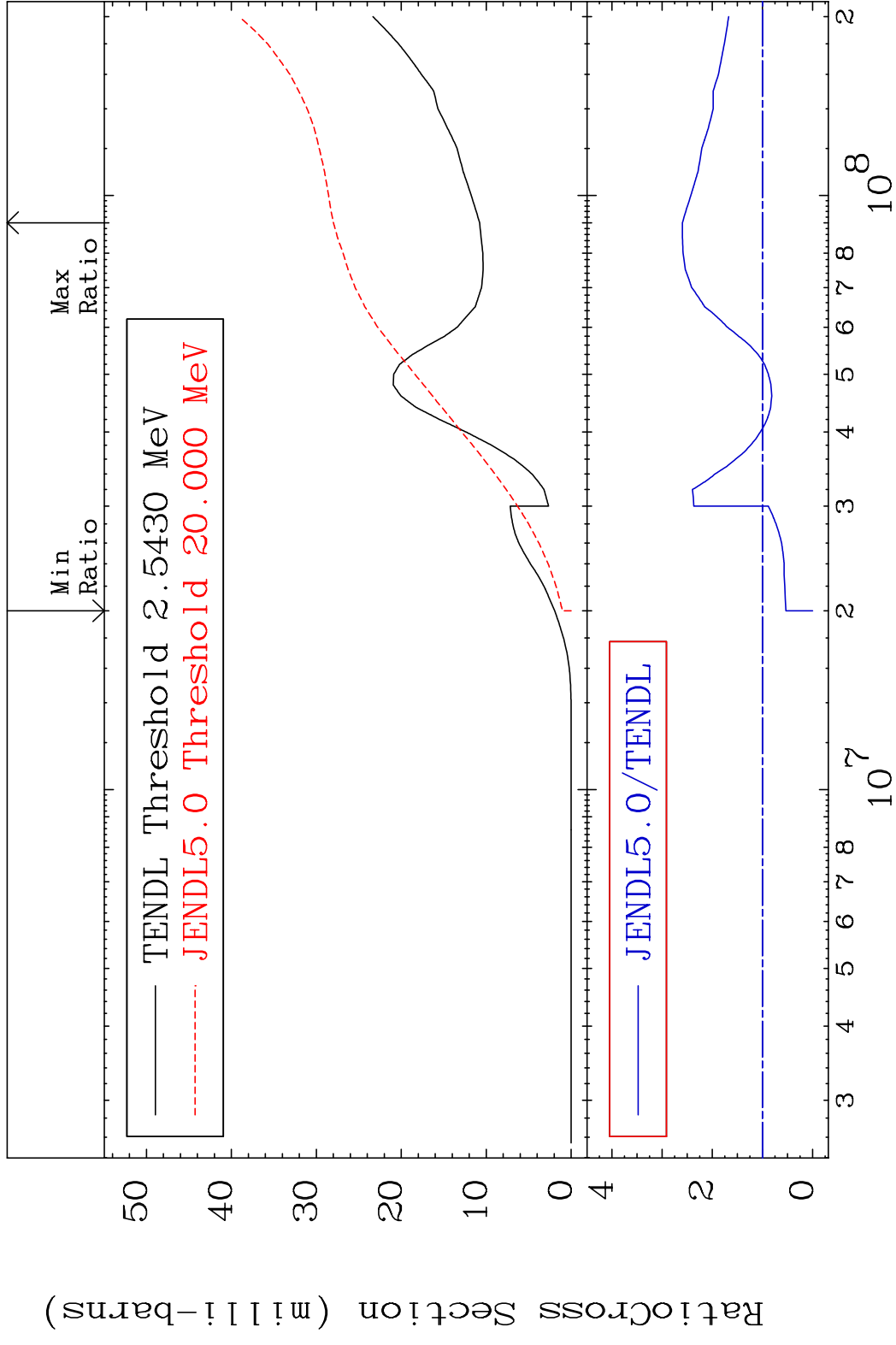
Incident Energy (eV)

95-Am-241

MAT 9543 Deuterium Production 95-Am-241  
 Cross Section -100.0 To 384.5 %

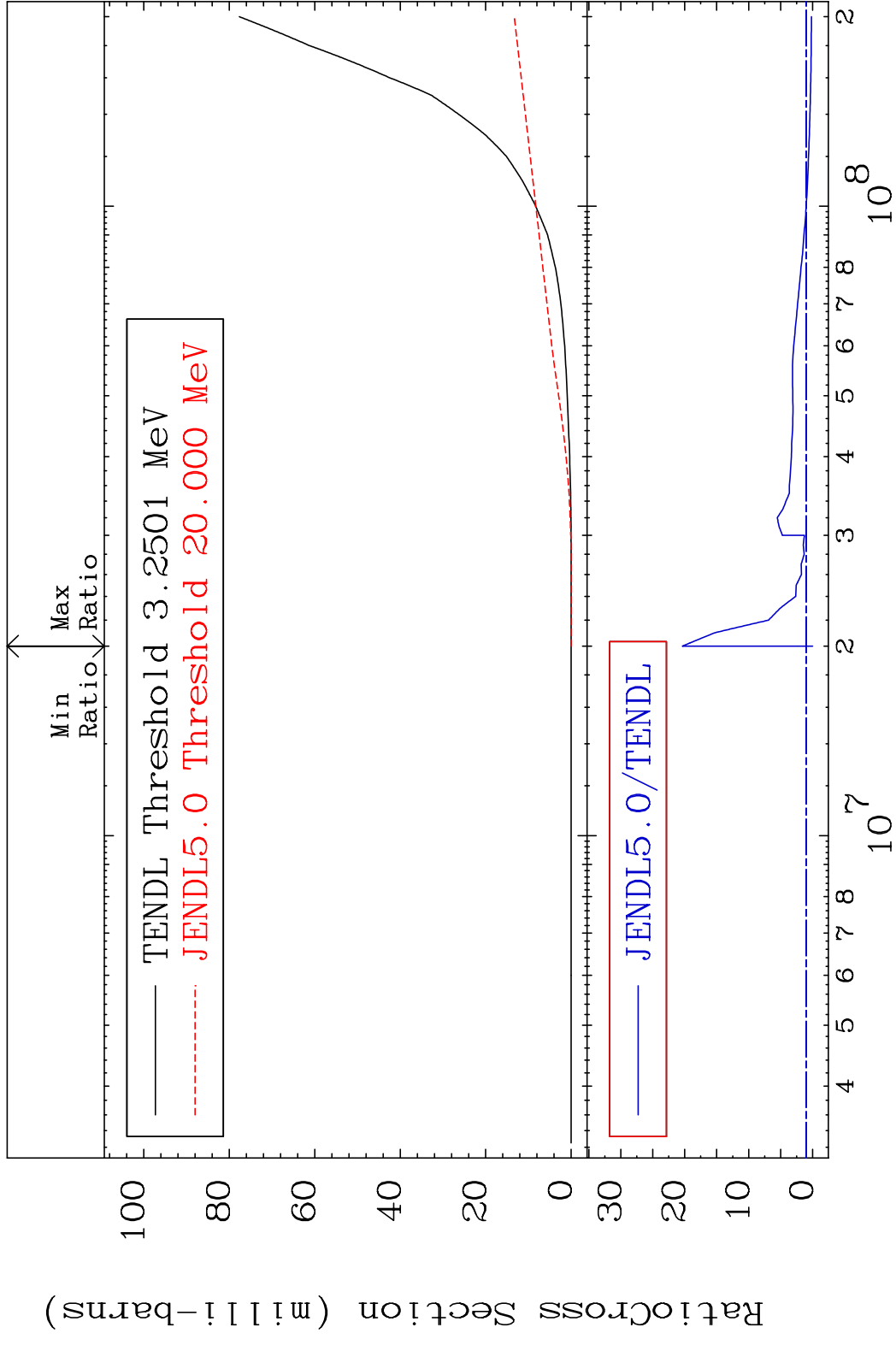


MAT 9543 Tritium Production 95-Am-241  
 Cross Section -100.0 To 159.5 %



MAT 9543

He-3 Production  
Cross Section -100.0 To 1938. %  
95-Am-241



30

Incident Energy (eV)

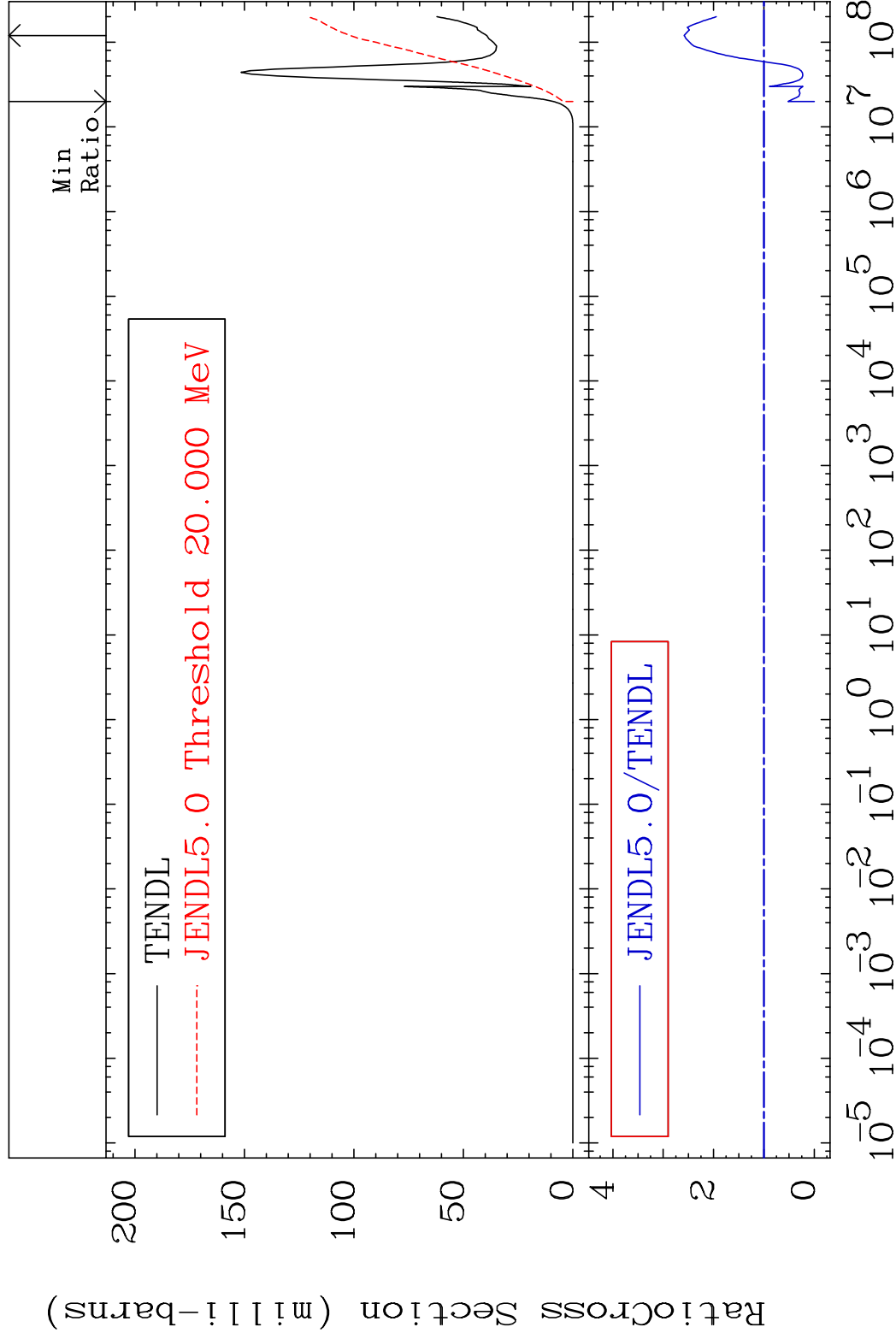
95-Am-241

MAT 9543

He-4 Production

95-Am-241

Cross Section -100.0 To 158.6 %



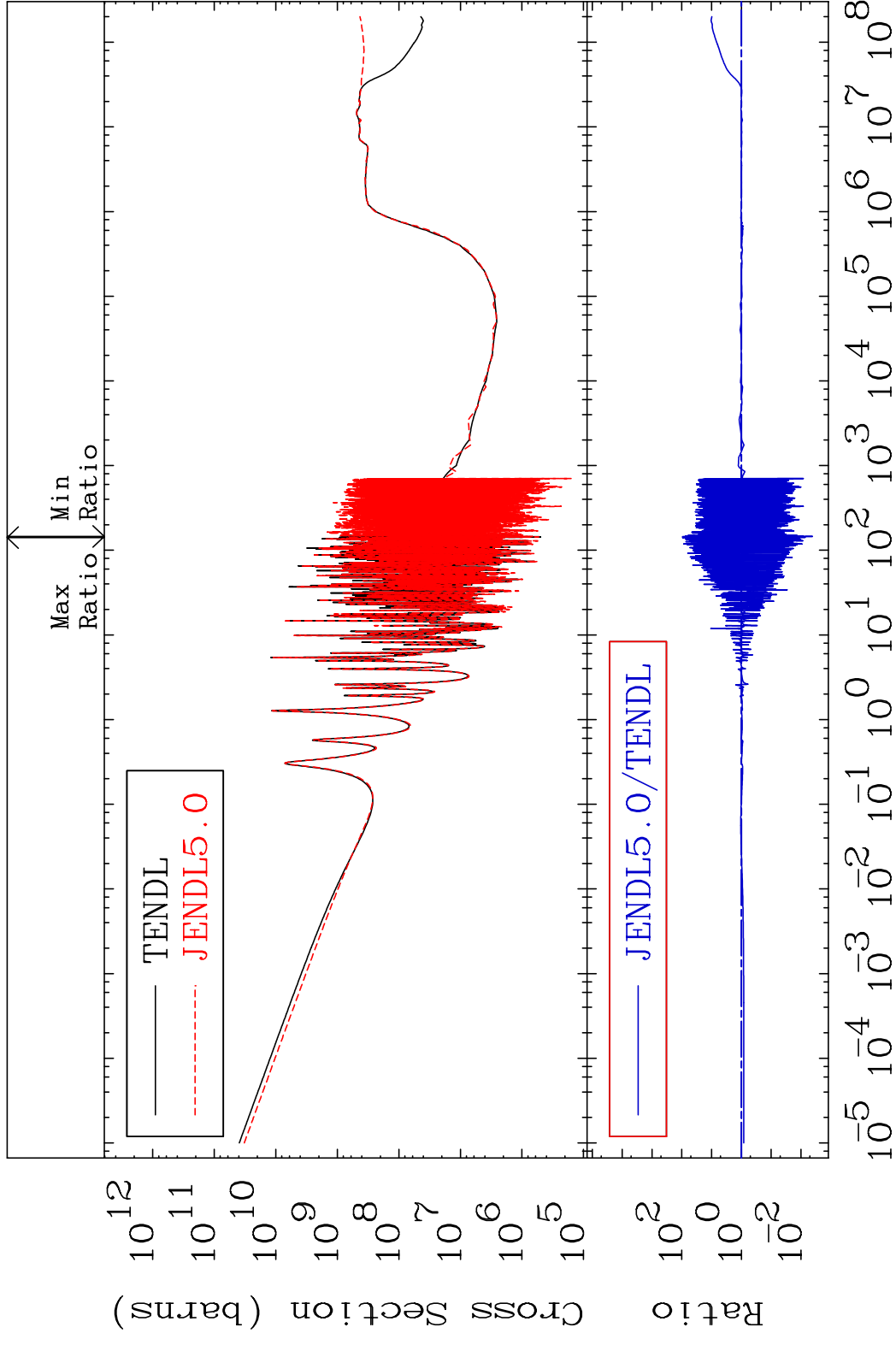
31

Incident Energy (eV)

95-Am-241

MAT 9543

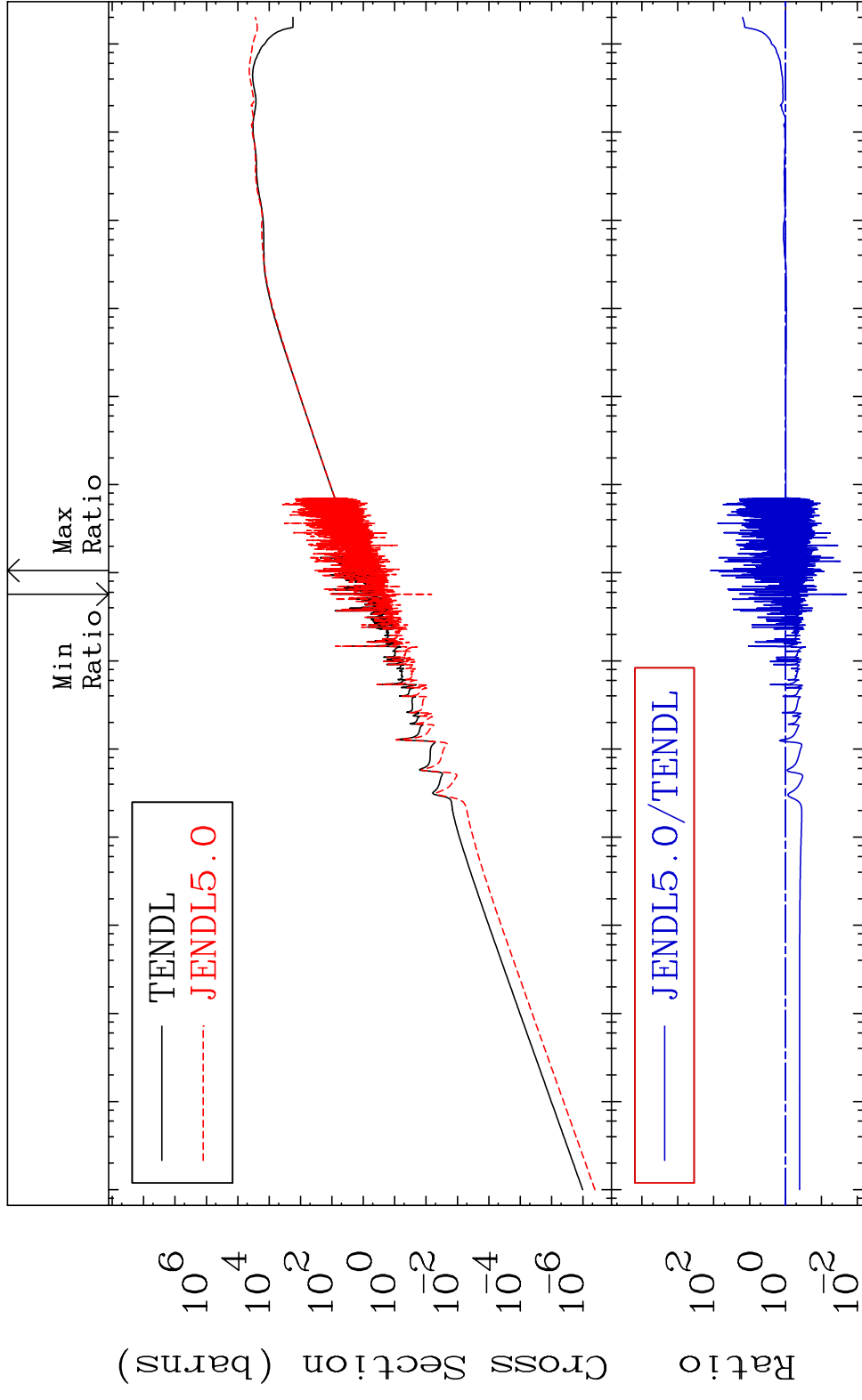
Kerma total (eV-barns) 95-Am-241  
Cross Section -99.59 To 9453. %



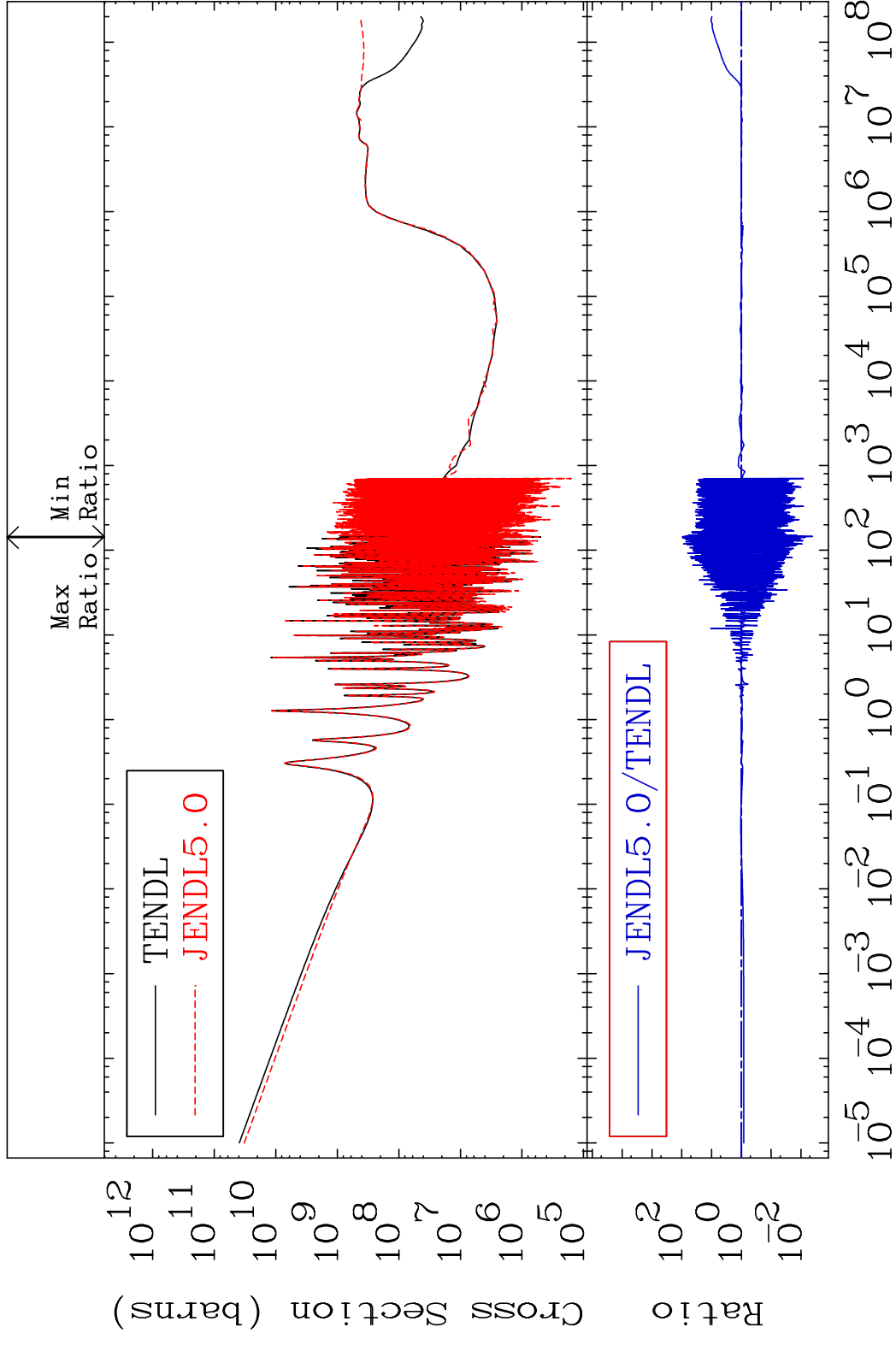
MAT 9543

Kerma elastic  
Cross Section -97.97 To 9999. %

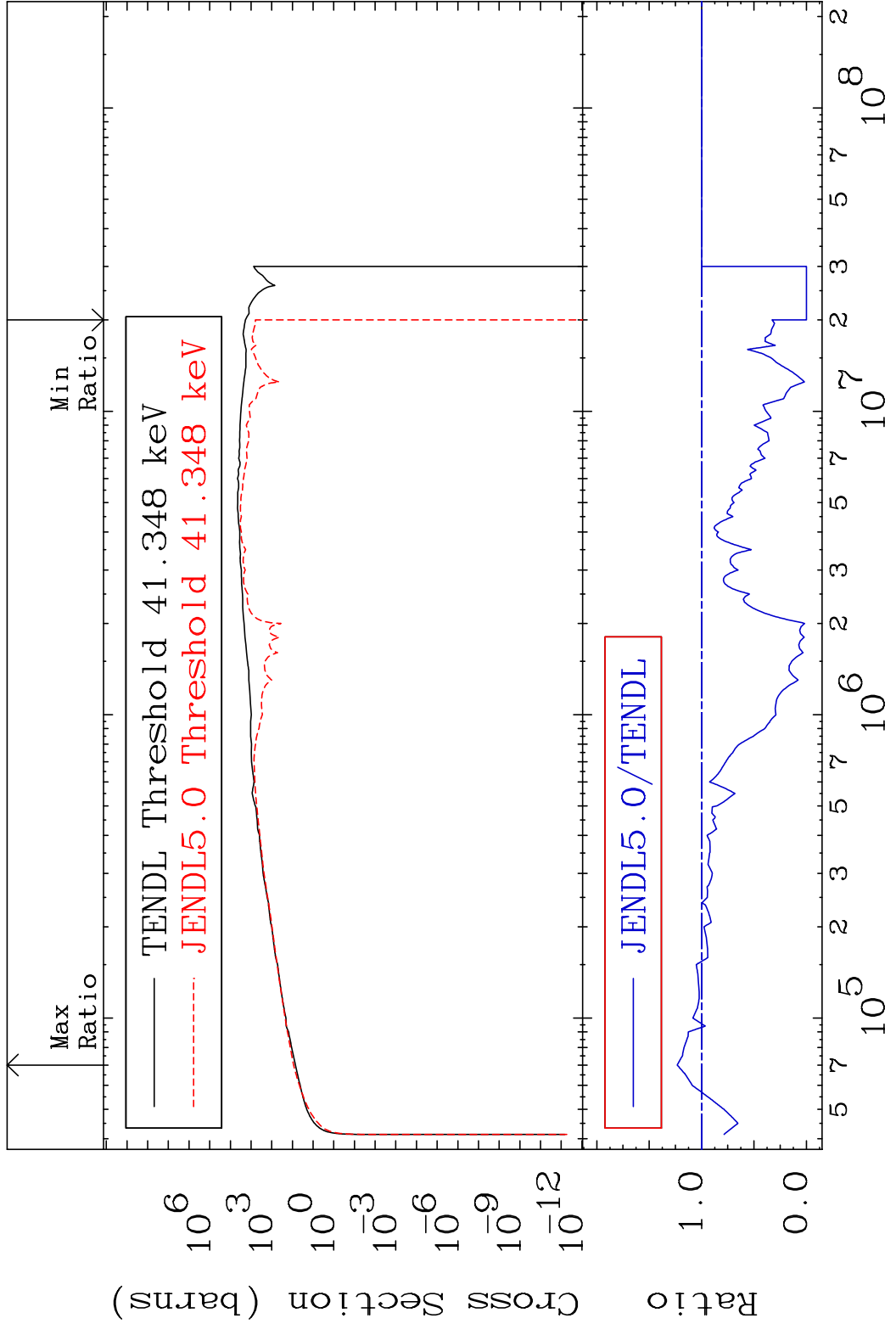
95-Am-241



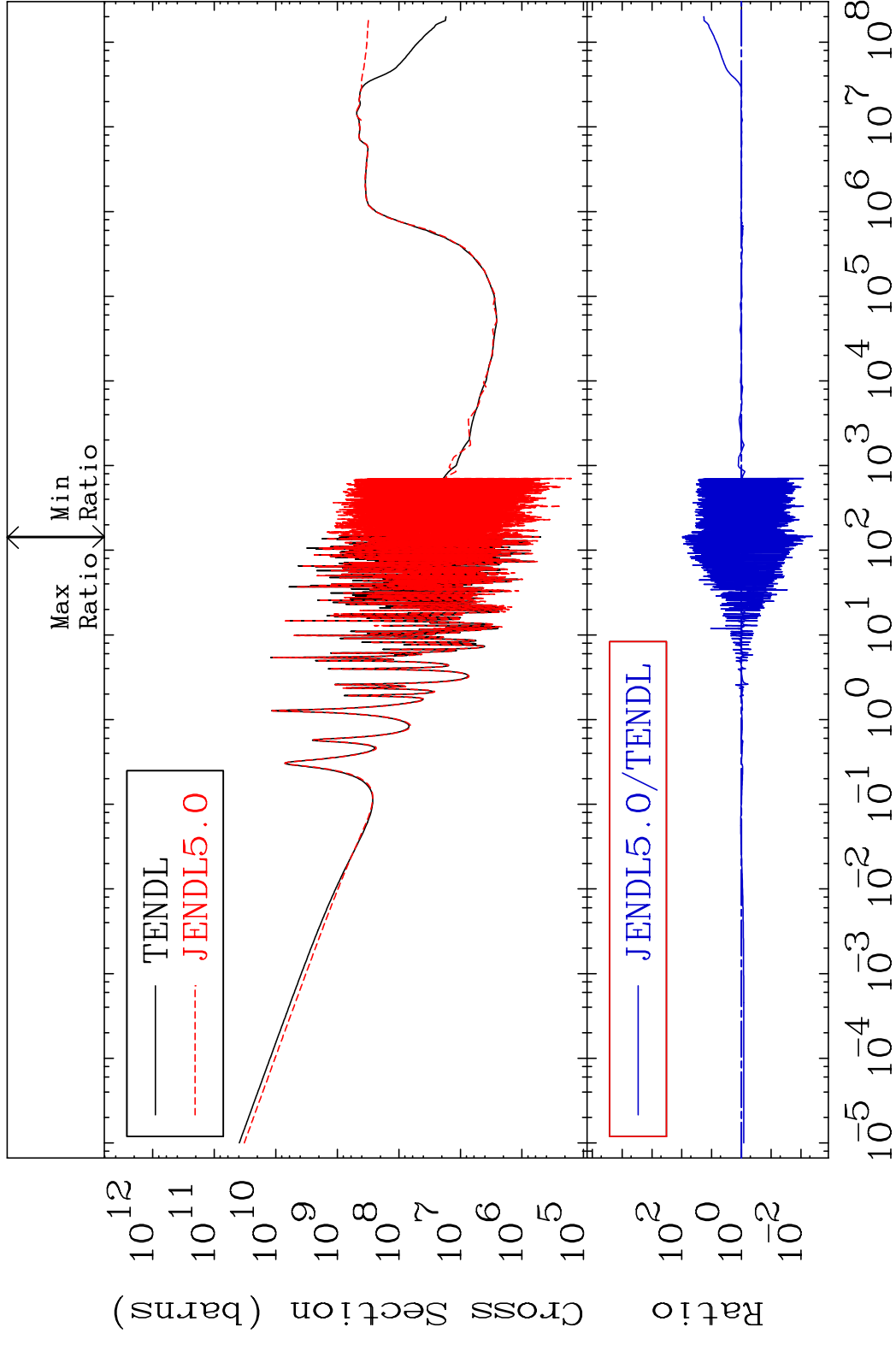
MAT 9543 Kerma non-elastic (all but mt2) 95-Am-241  
 Cross Section -99.59 To 9453. %



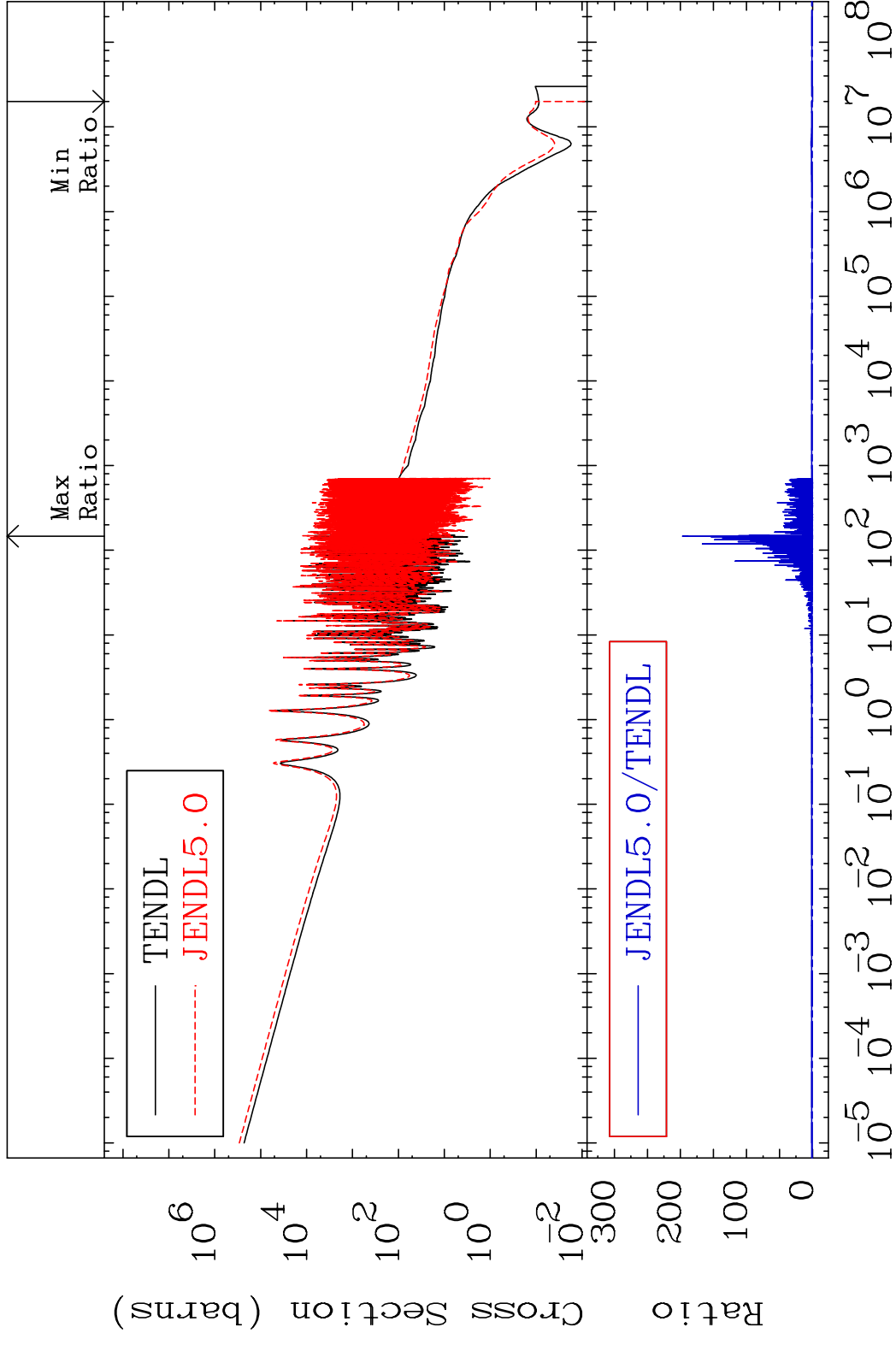
MAT 9543 Kerma inelastic (mt51-91) 95-Am-241  
 Cross Section -100.0 To 23.30 %



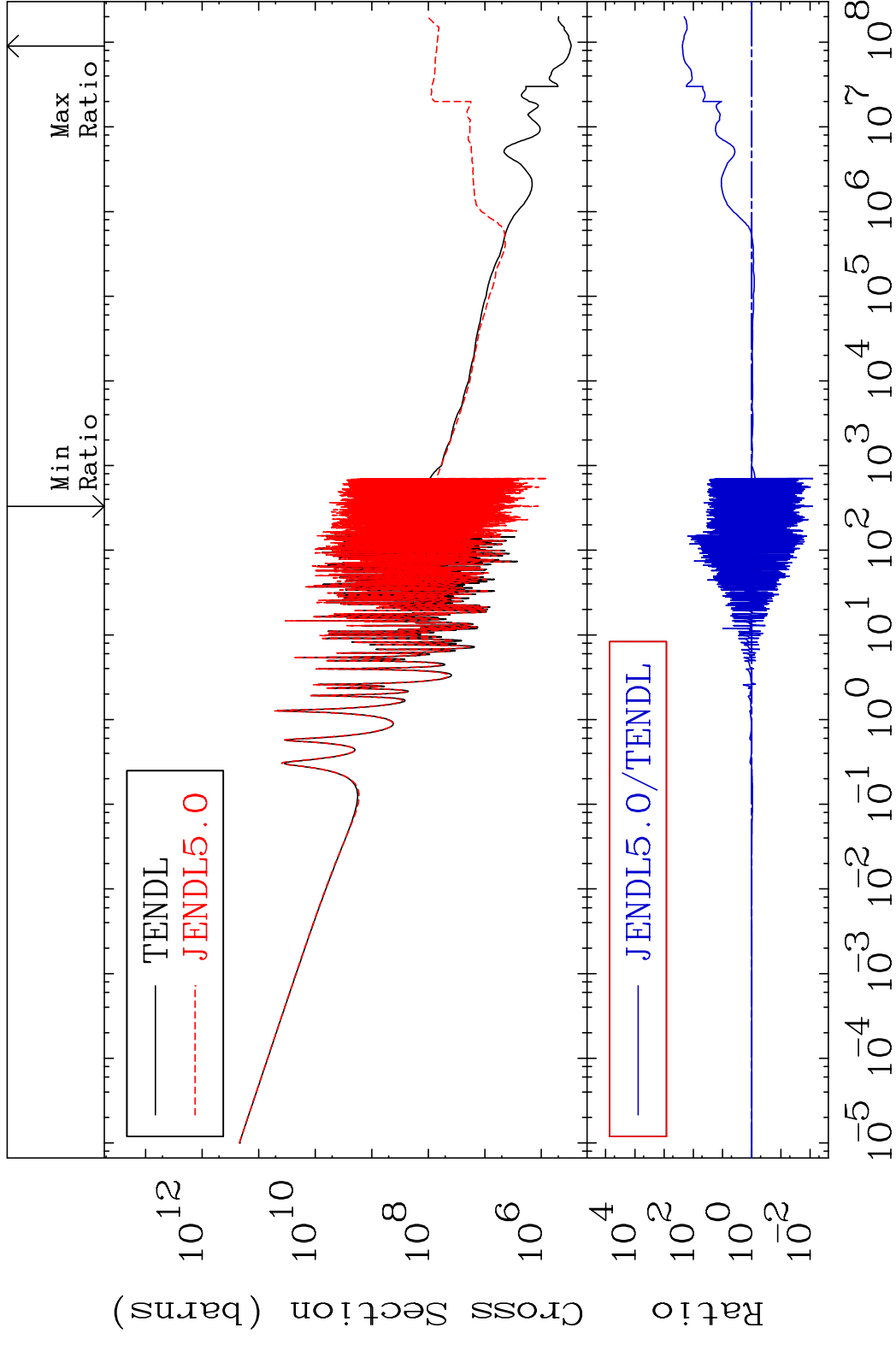
MAT 9543 Kerma fission (mt18 or mt19-20-21-38) 95-Am-241  
 Cross Section -99.59 To 9453. %



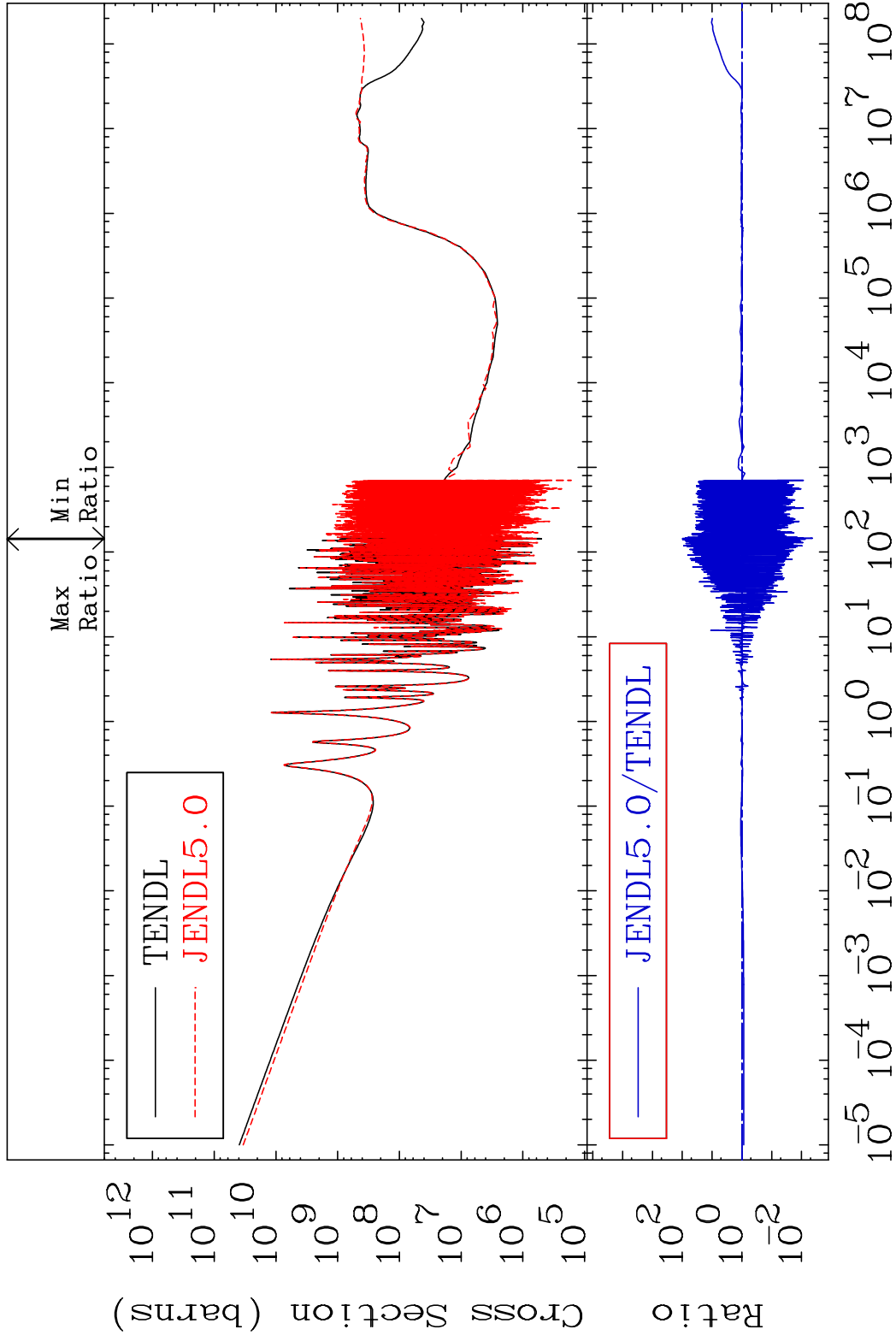
MAT 9543 Kerma capture (mt102) 95-Am-241  
 Cross Section -100.0 To 9999. %



MAT 9543 Total photon (eV-barns) 95-Am-241  
 Cross Section -99.17 To 9999. %



MAT 9543 Total kinematic kerma (high limit) 95-Am-241  
Cross Section -99.57 To 9830. %

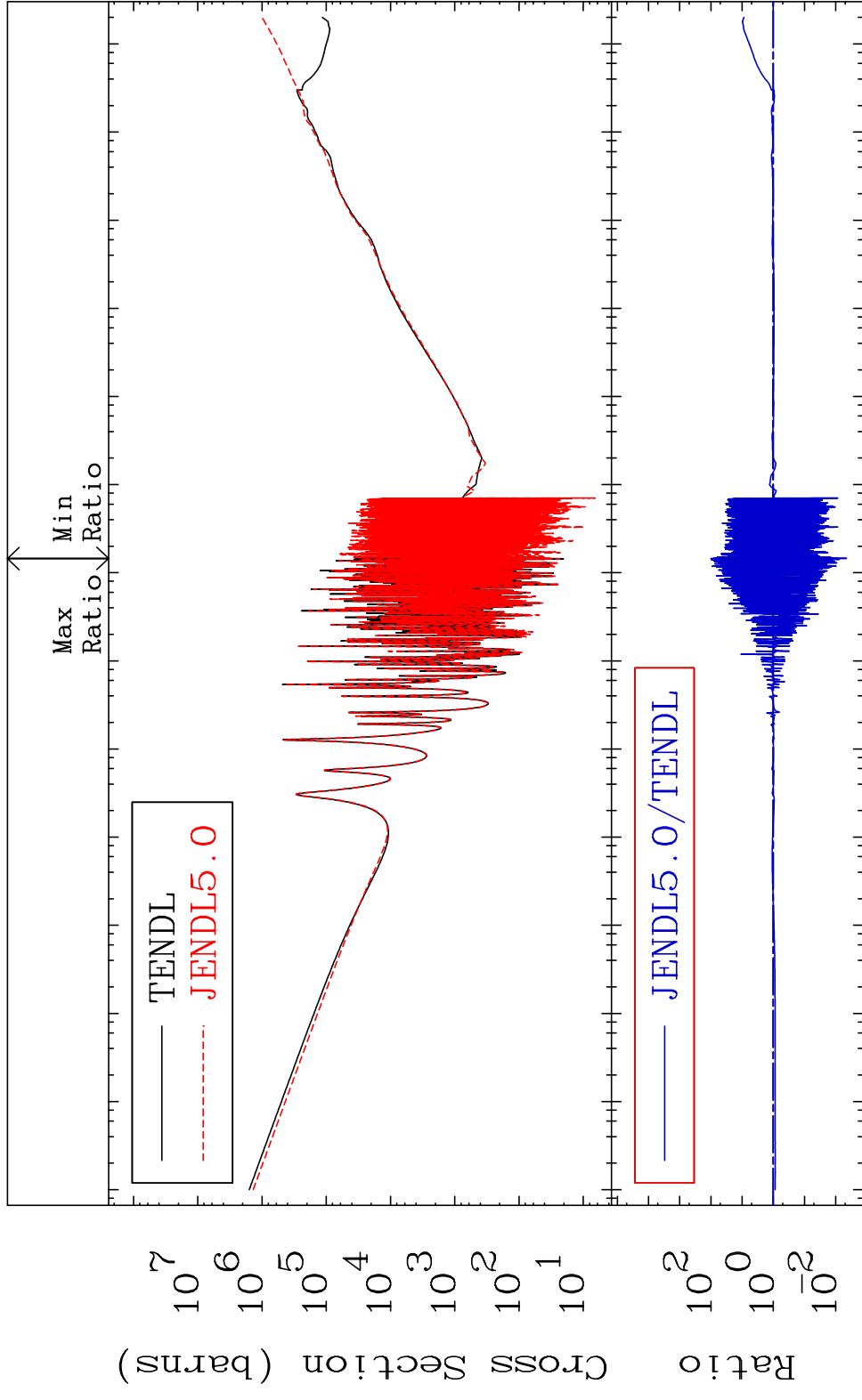


MAT 9543

Dpa total (eV-barns)

95-Am-241

Cross Section -99.54 To 9999. %



40

Incident Energy (eV)

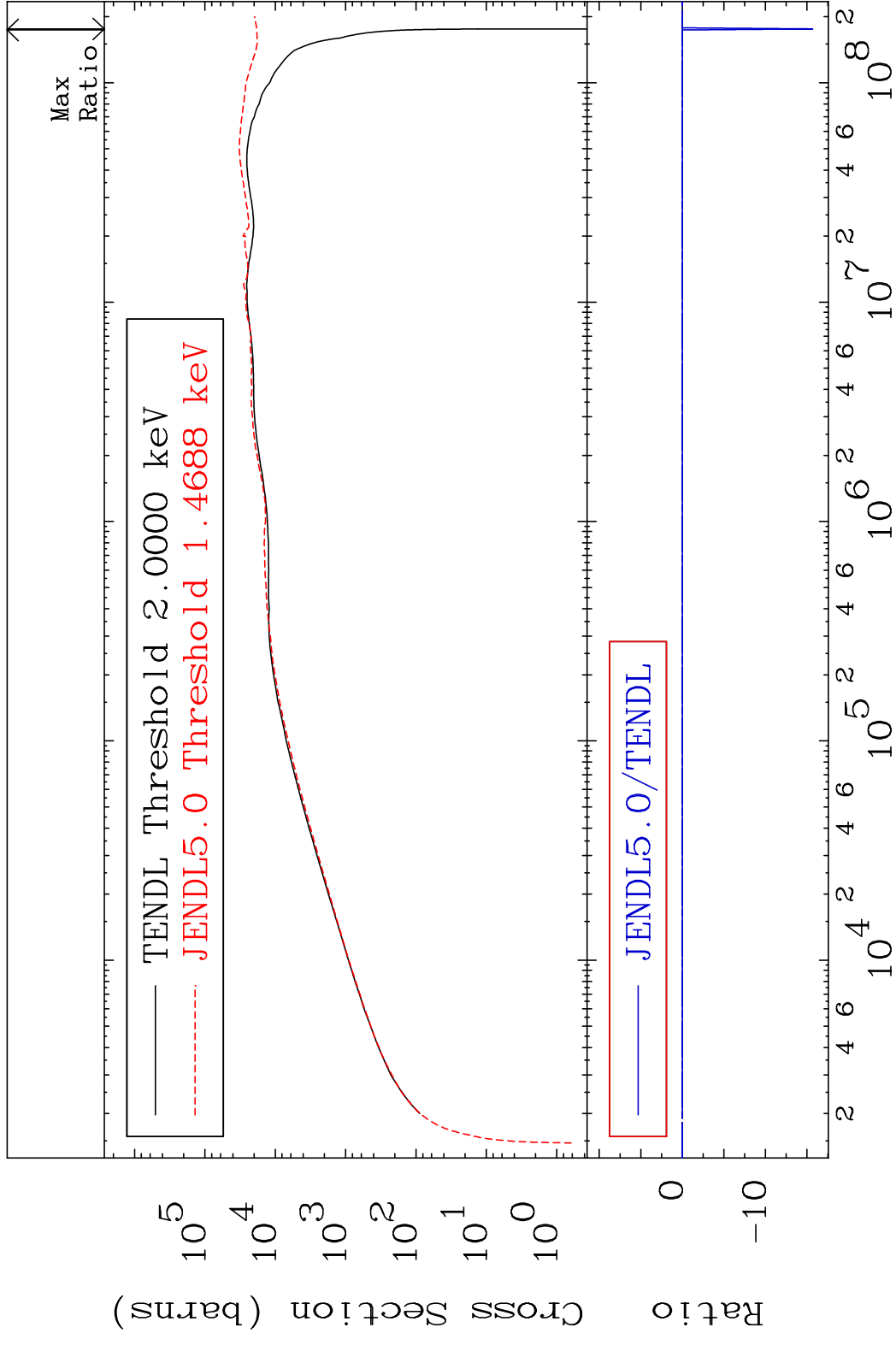
95-Am-241

MAT 9543

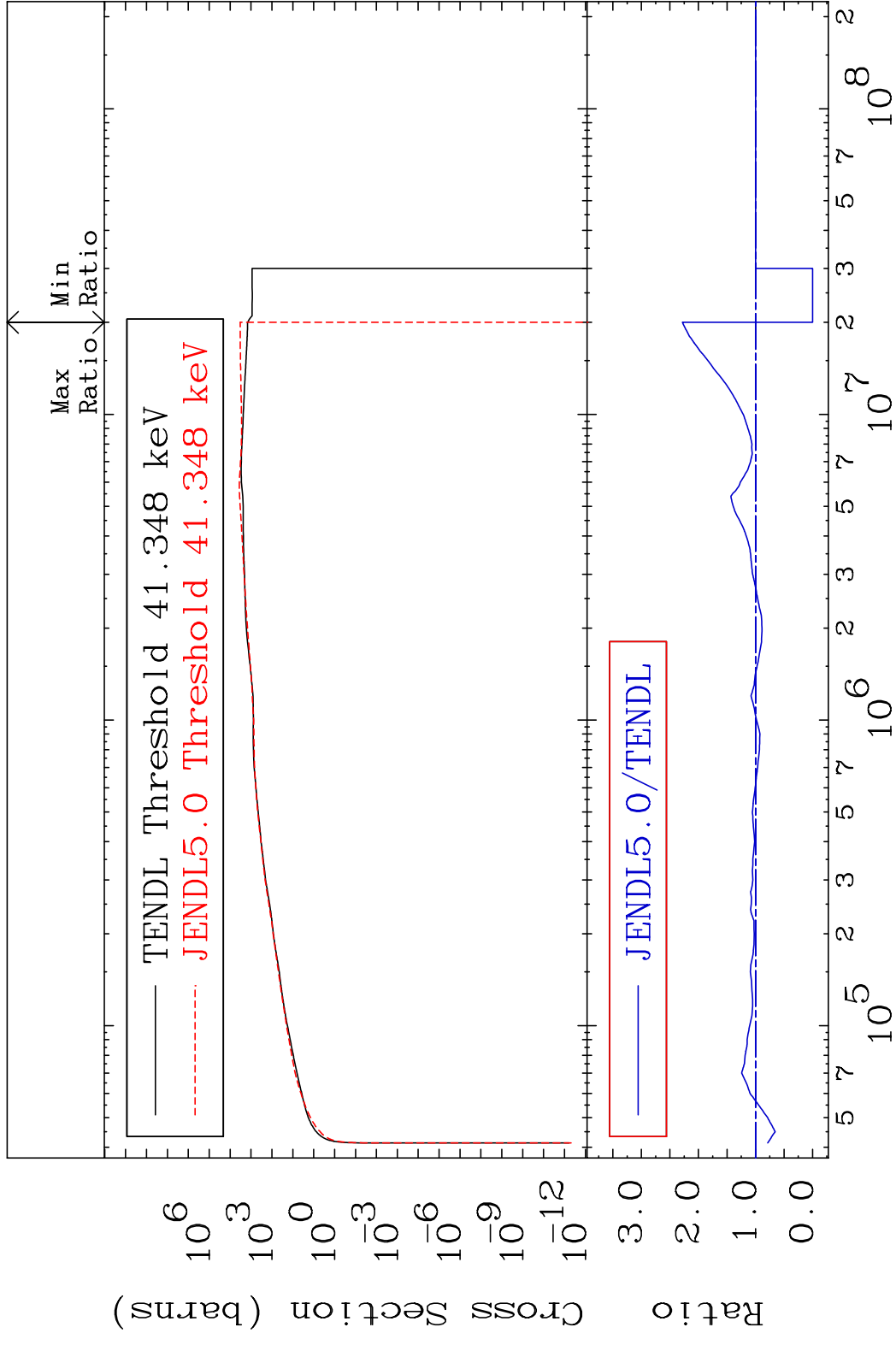
Dpa elastic (mt2)

95-Am-241

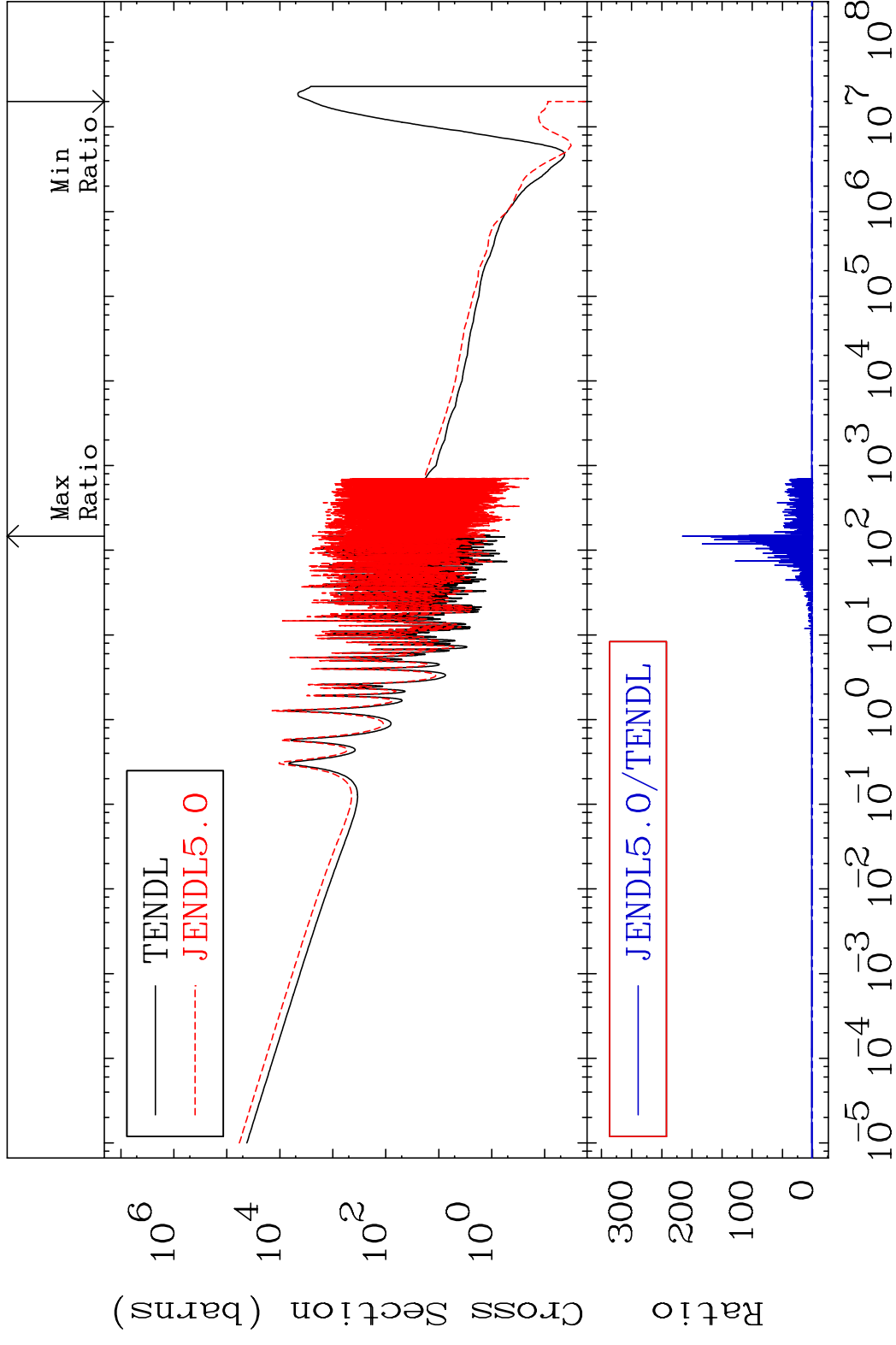
Cross Section -9999. To 9999. %



MAT 9543 Dpa inelastic (mt51-91) 95-Am-241  
 Cross Section -100.0 To 128.2 %

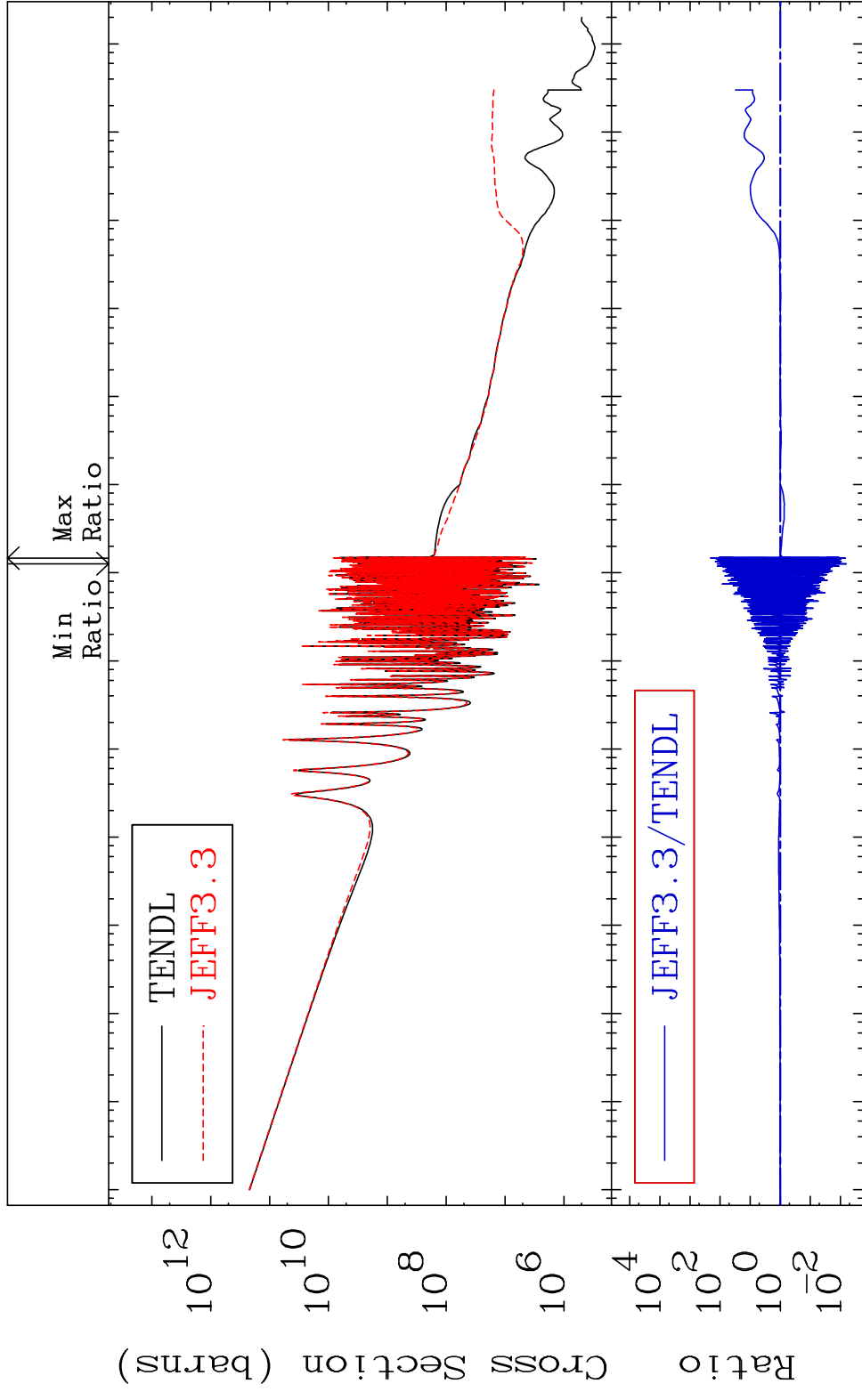


MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241  
 Cross Section -100.0 To 9999. %

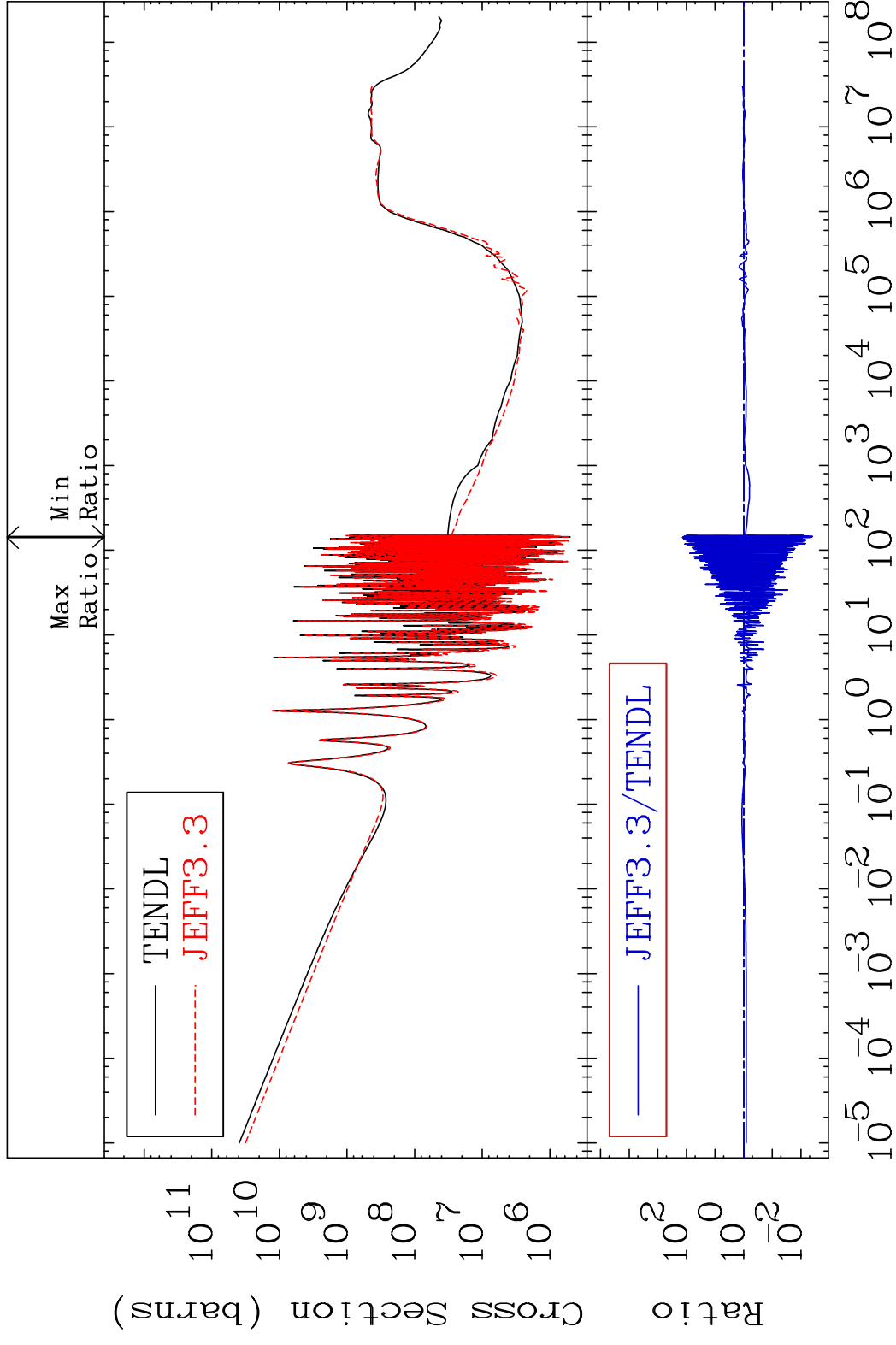


MAT 9543

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. %



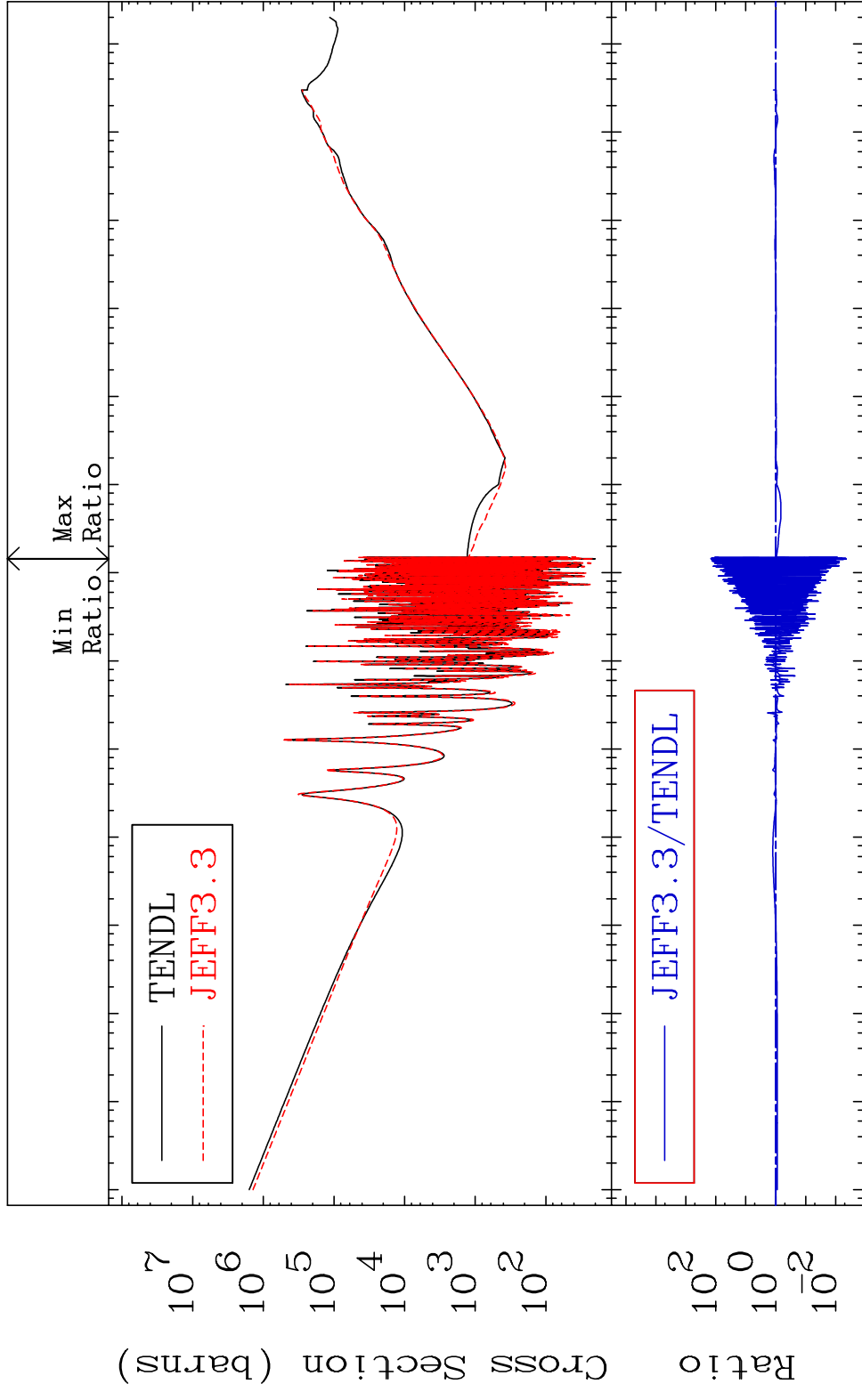
45 Incident Energy (eV) 95-Am-241

MAT 9543

Dpa total (eV-barns)

95-Am-241

Cross Section -99.56 To 9999. %

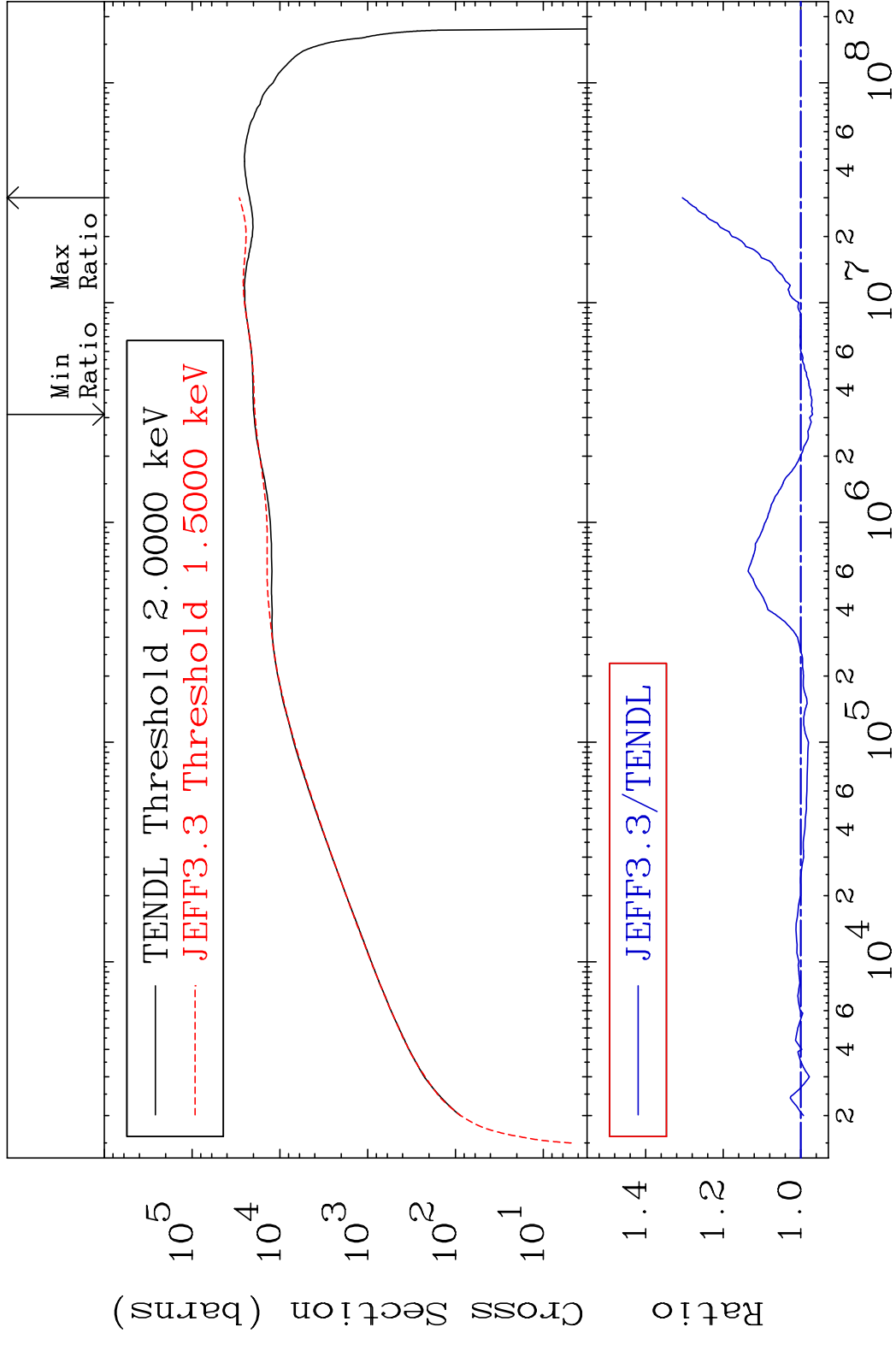


MAT 9543

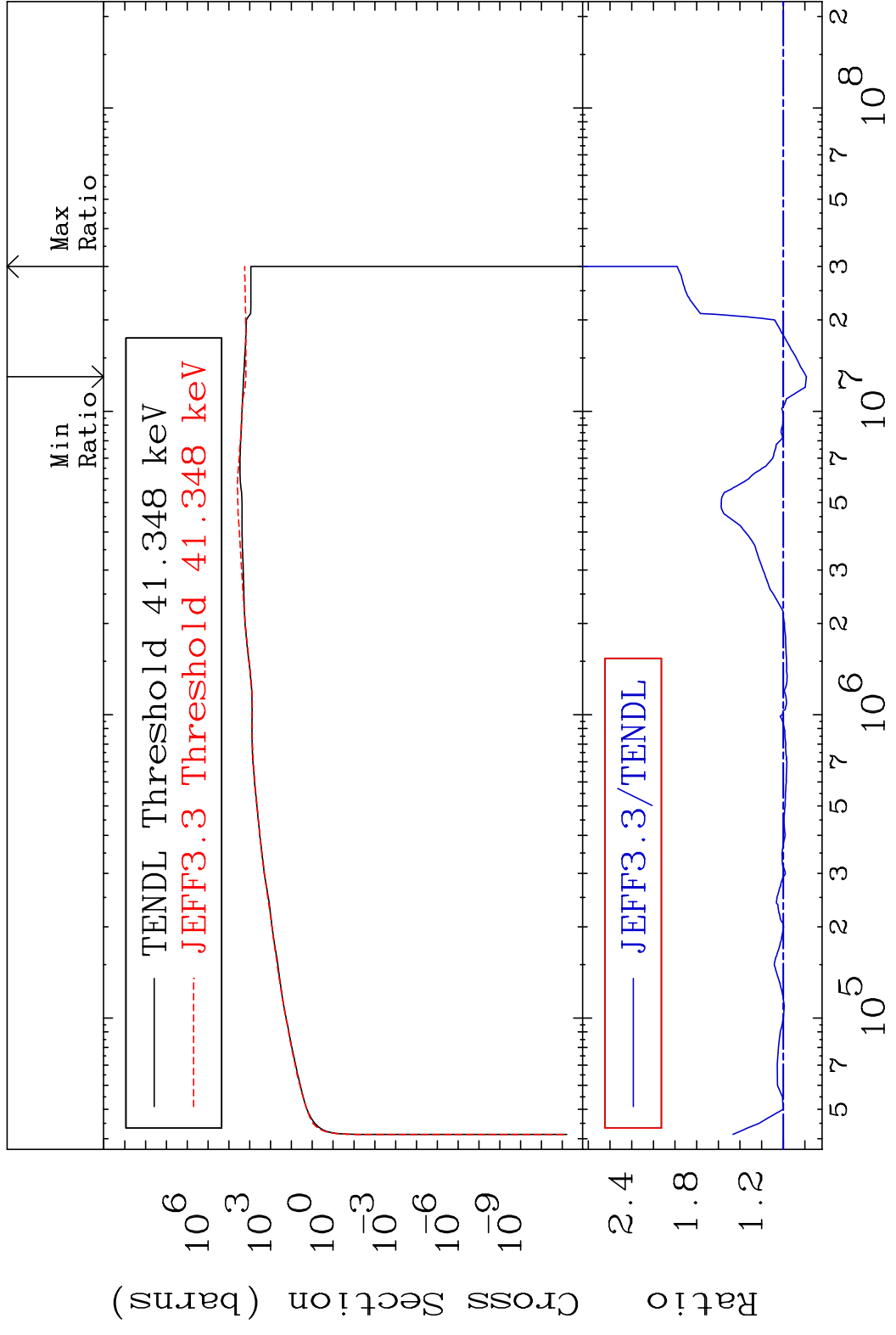
Dpa elastic (mt2)

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. %

