

Program Complot  
(Version 2018-1)

by

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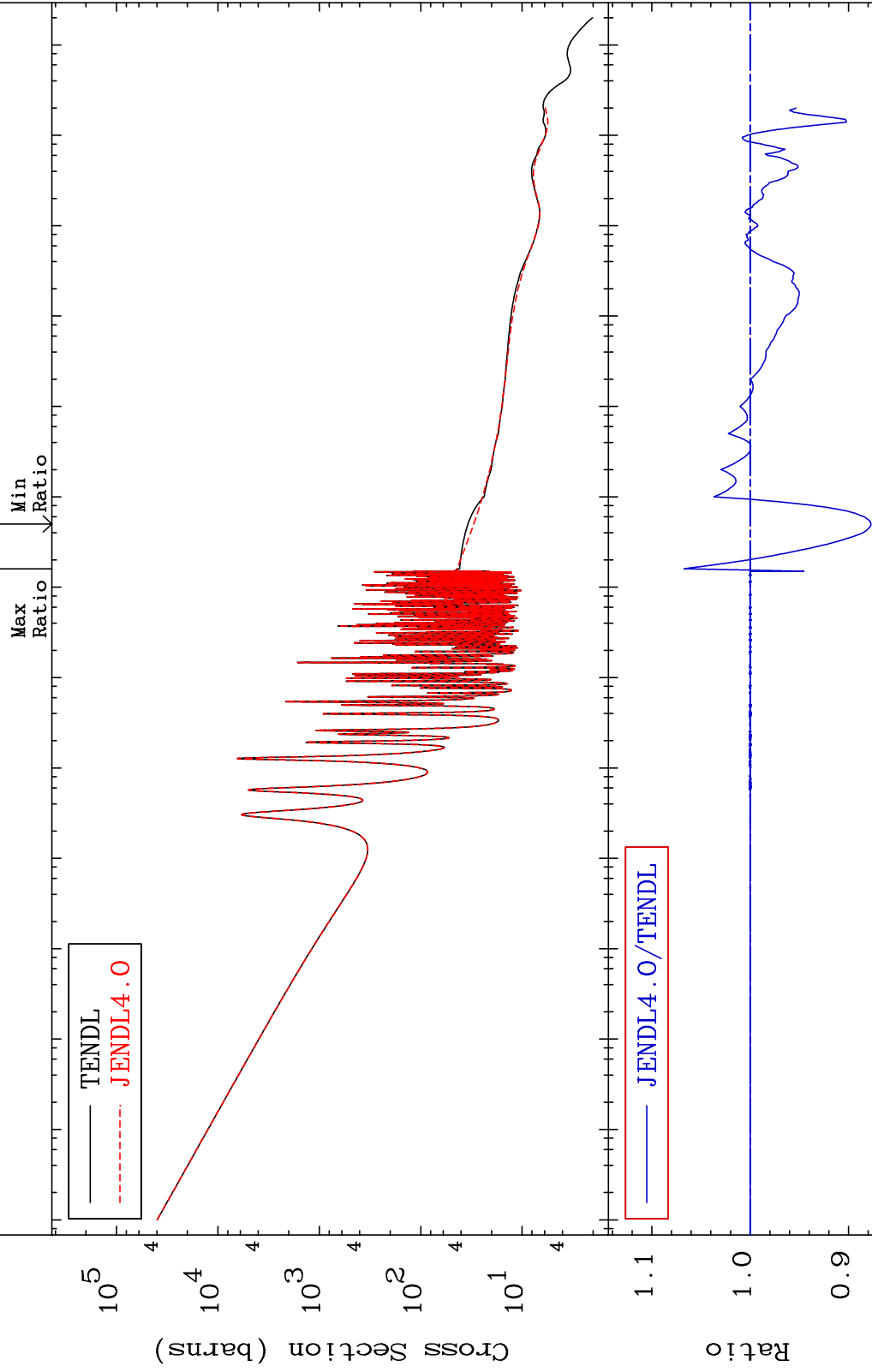
Press Mouse Button to Start

MAT 9543

95-Am-241

-12.27 To 6.720 %

Total  
Cross Section



95-Am-241

Incident Energy (eV)

1

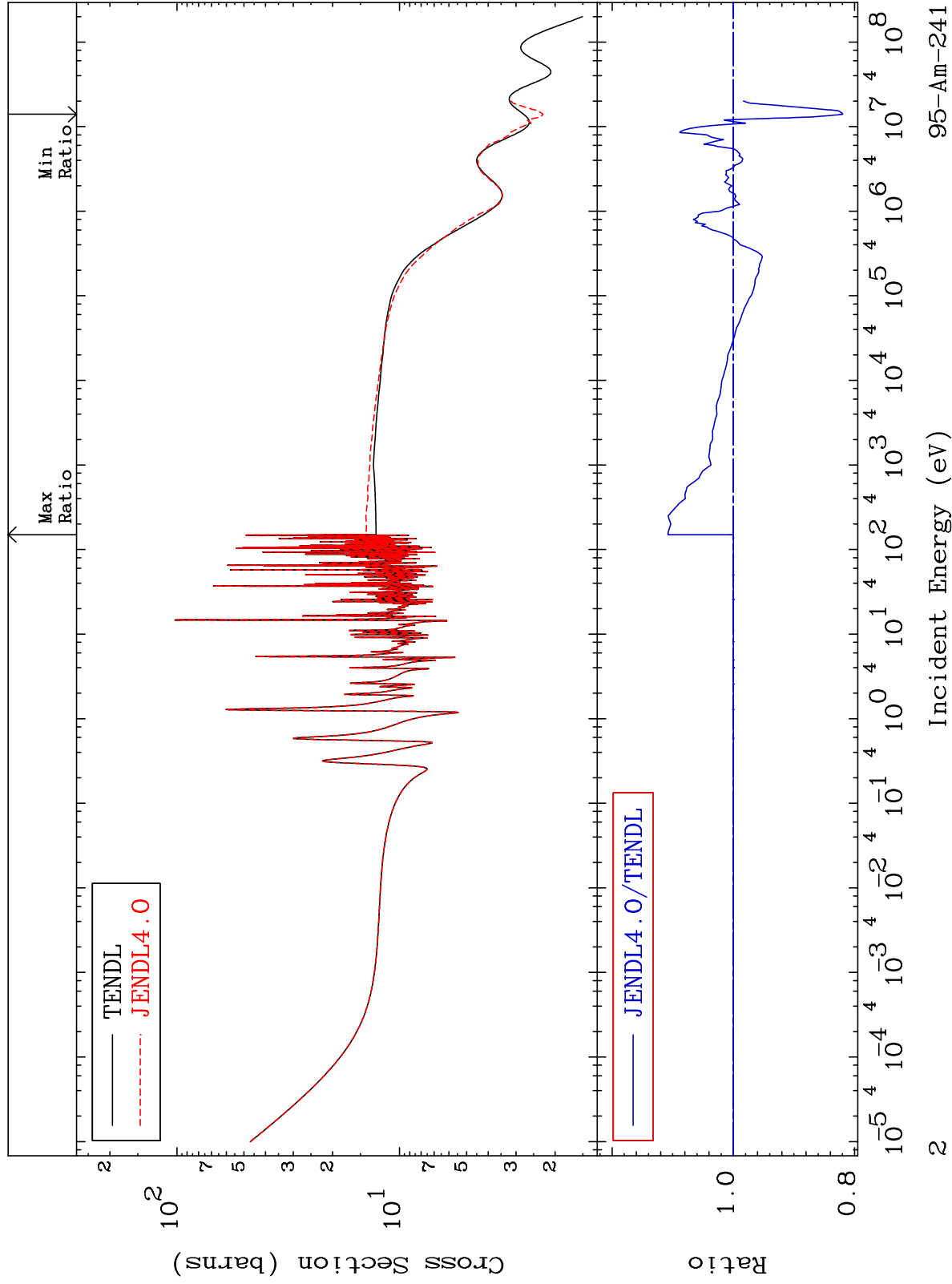
MAT 9543

Elastic

95-Am-241

Cross Section

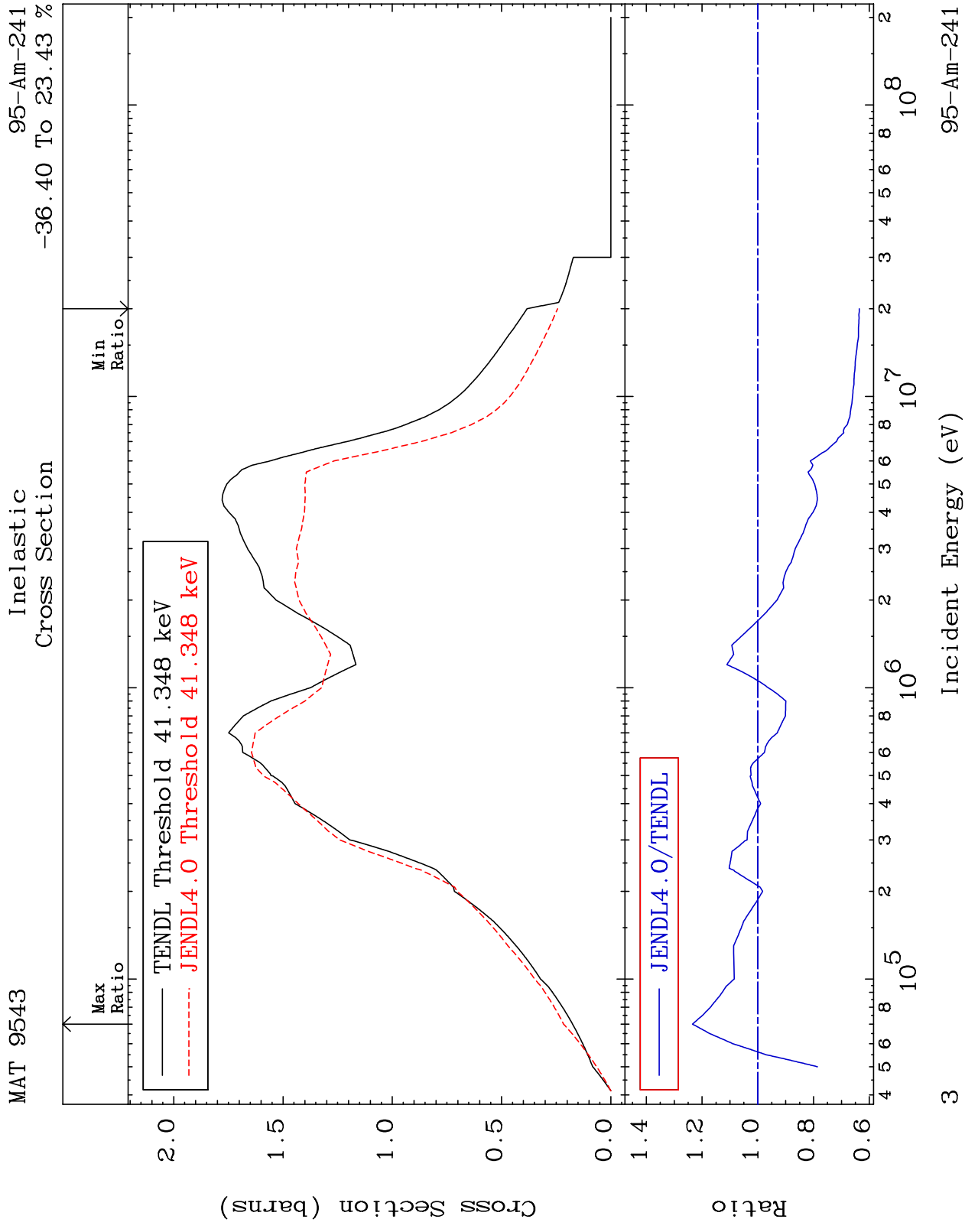
-18.07 To 10.77 %



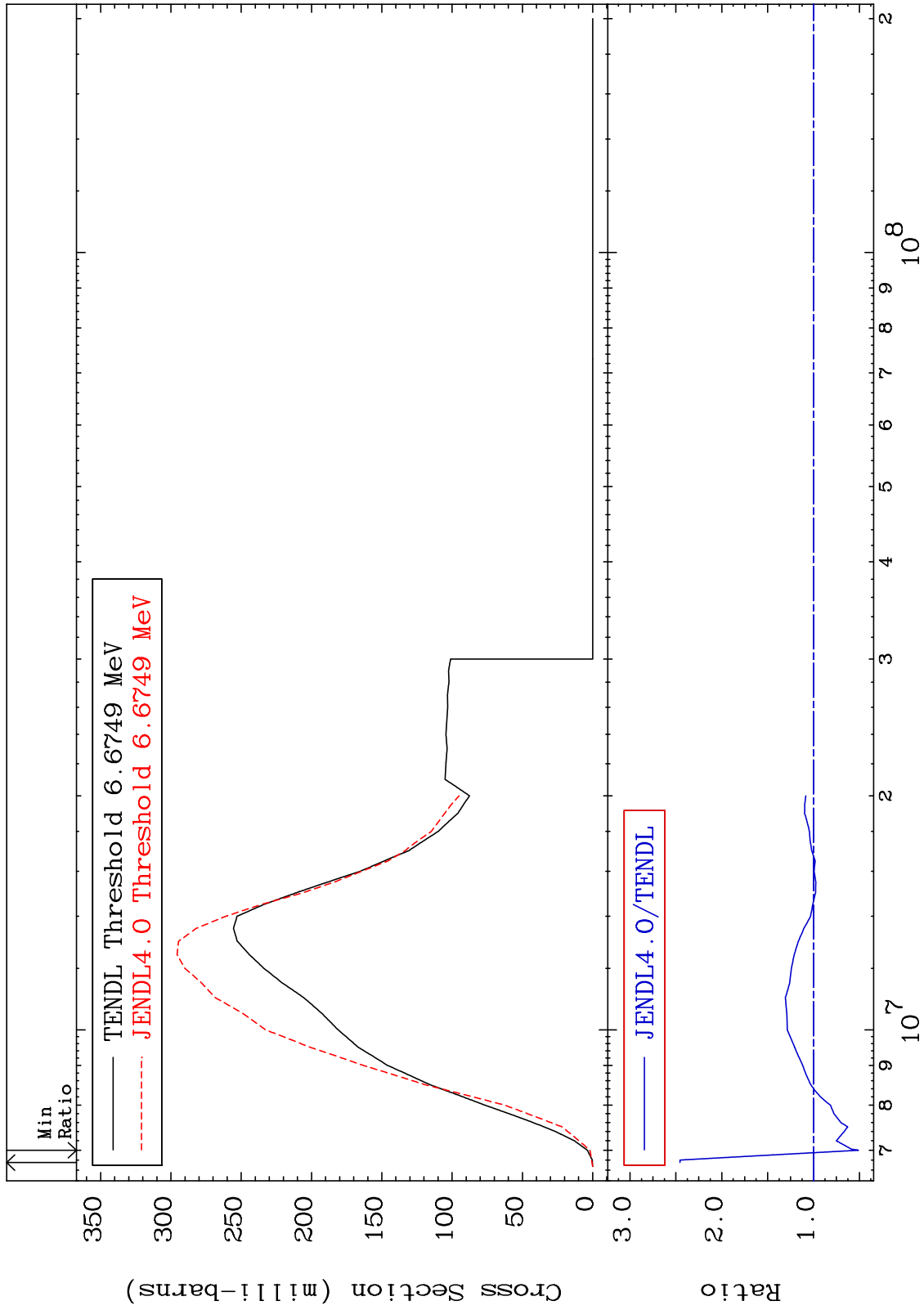
Incident Energy (eV)

95-Am-241

2



MAT 9543 (n,2n) Cross Section 95-Am-241 -48.96 To 145.5 %



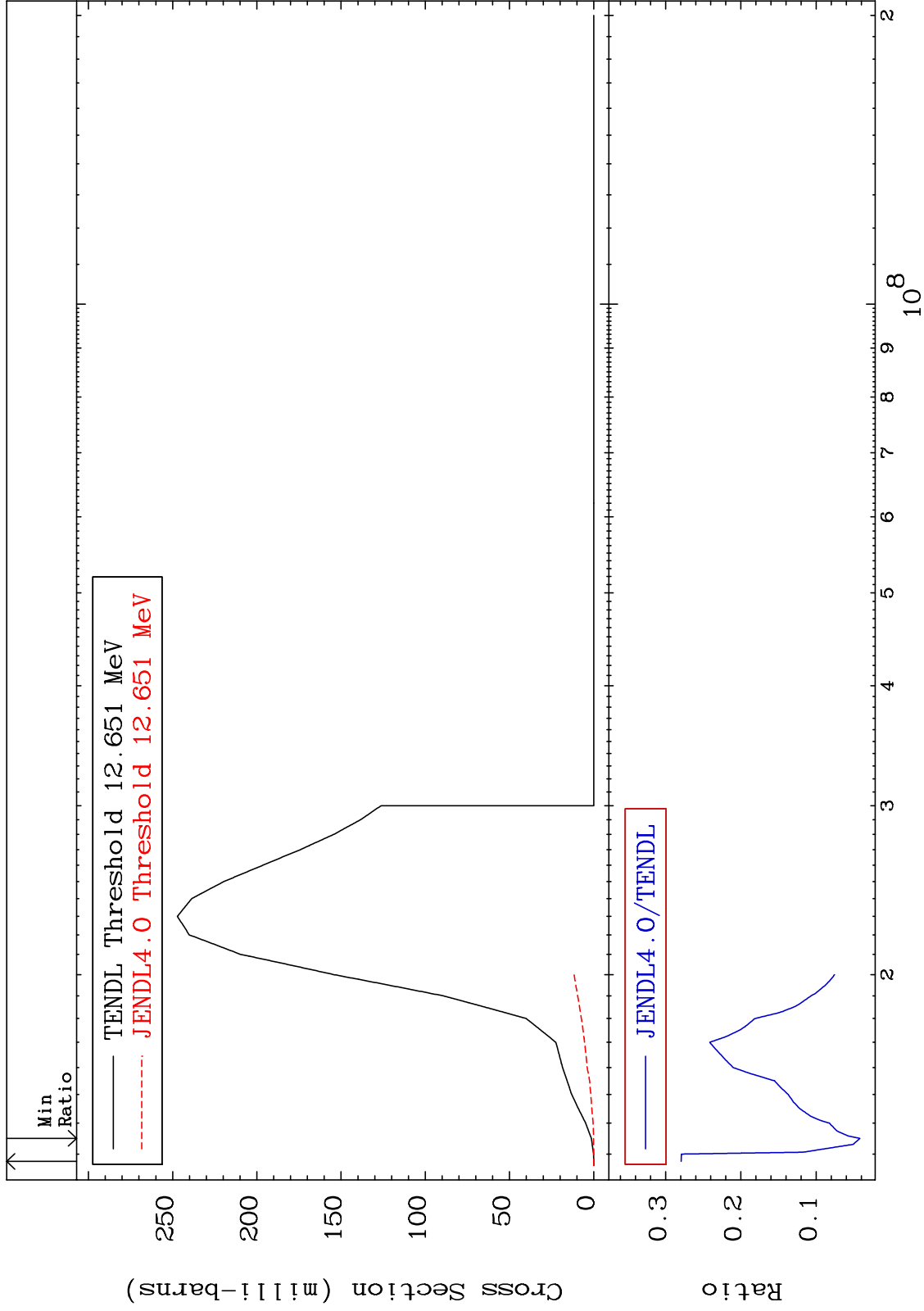
MAT 9543

(n, 3n)

<sup>95</sup>Am-241

Cross Section

-95.82 To -72.08%



5

Incident Energy (eV)

<sup>95</sup>Am-241

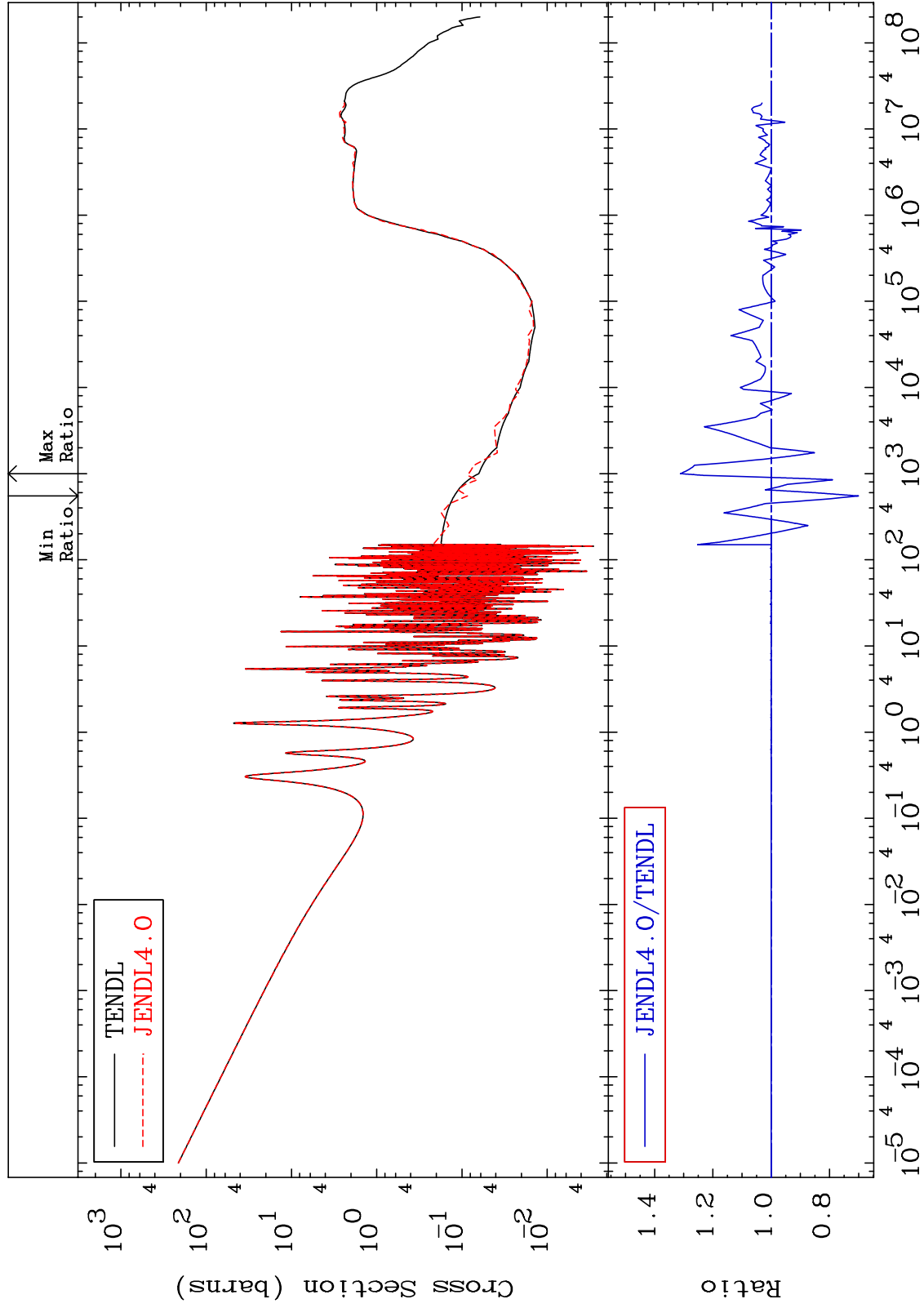
MAT 9543

Fission

95-Am-241

Cross Section

-29.96 To 31.13 %



6

Incident Energy (eV)

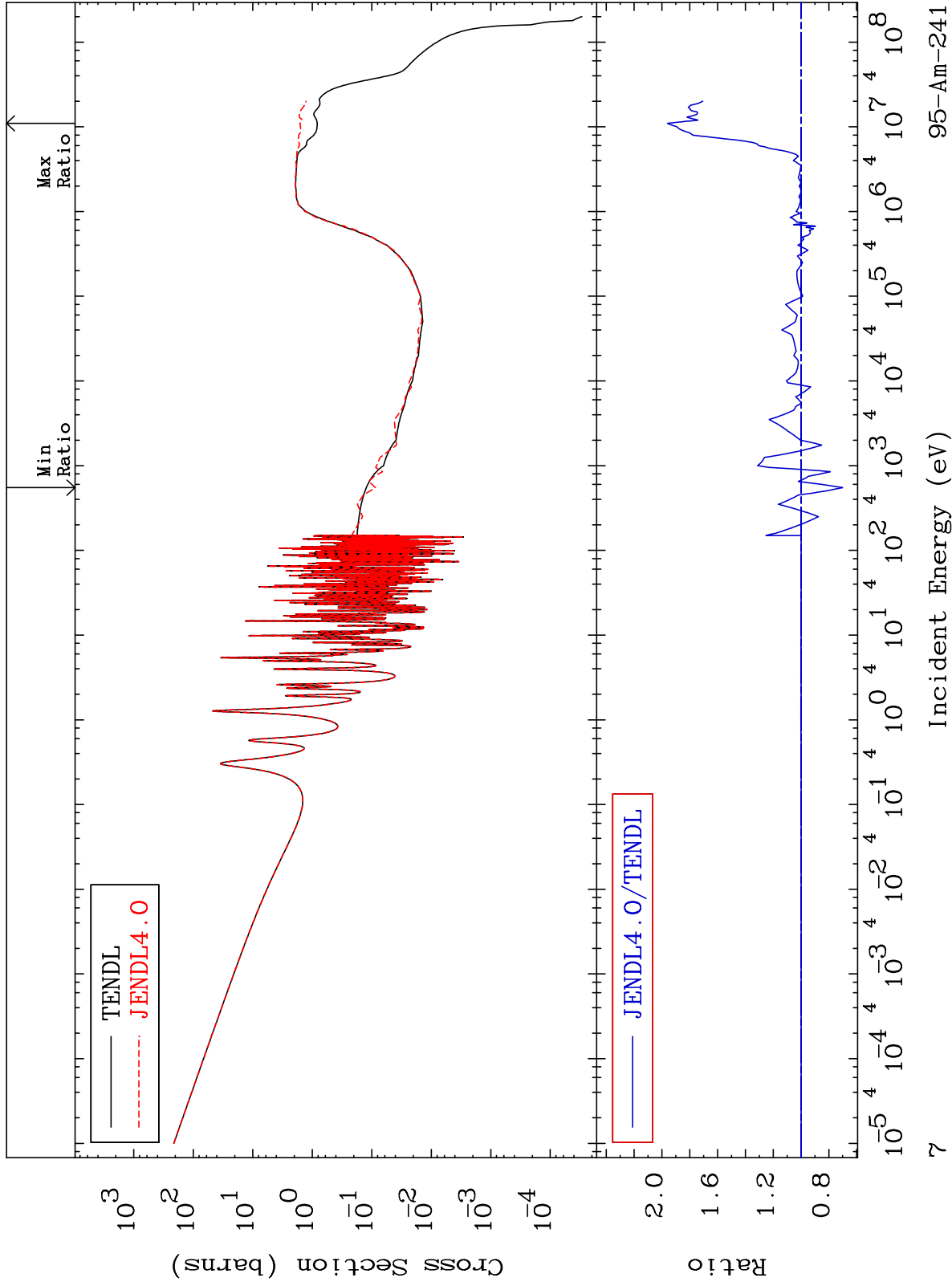
95-Am-241

MAT 9543

(n,f) First Chance  
Cross Section

95-Am-241

-29.96 To 95.95 %



95-Am-241

Incident Energy (eV)

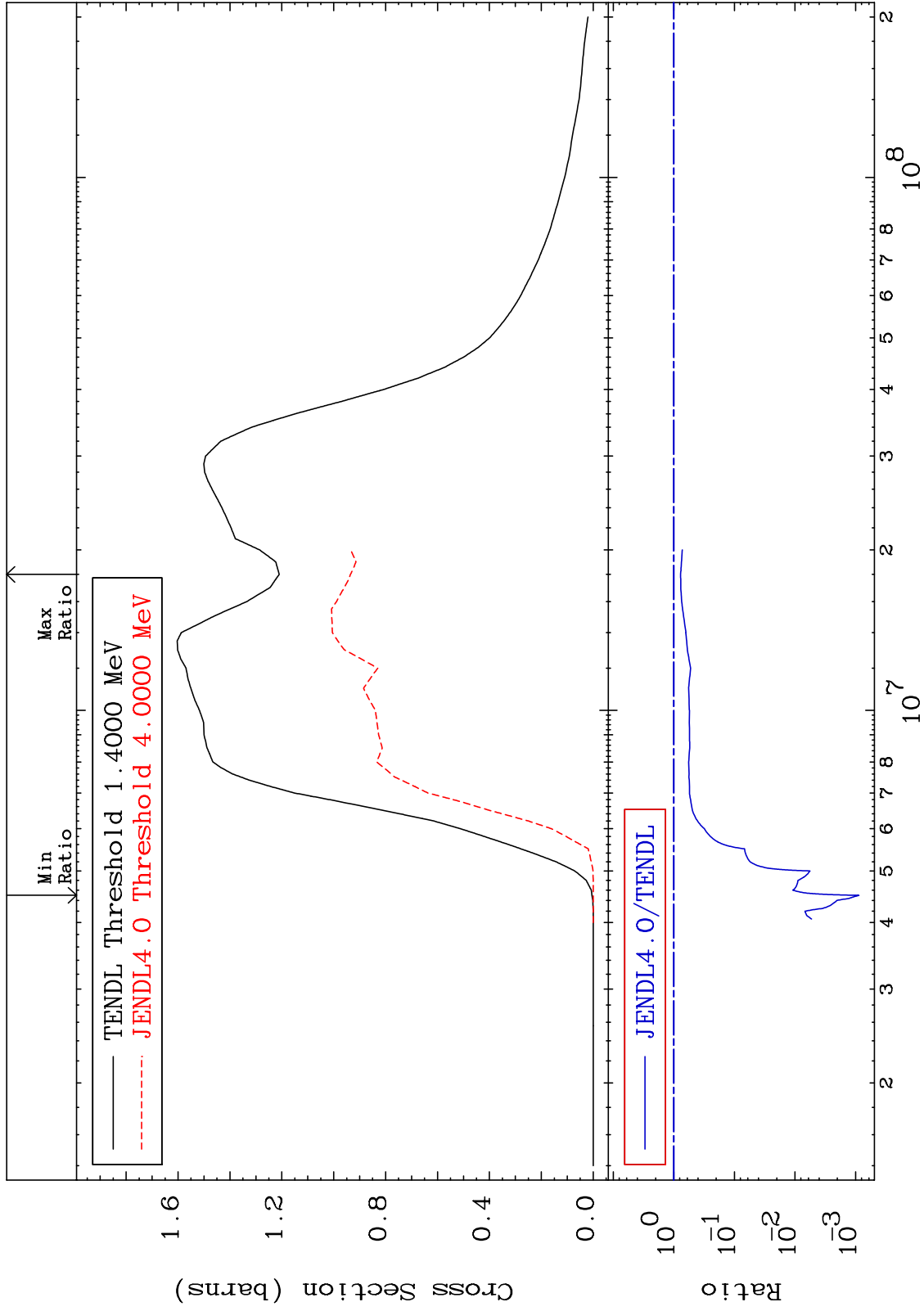
7



MAT 9543

(n, nf) Second Chance  
Cross Section

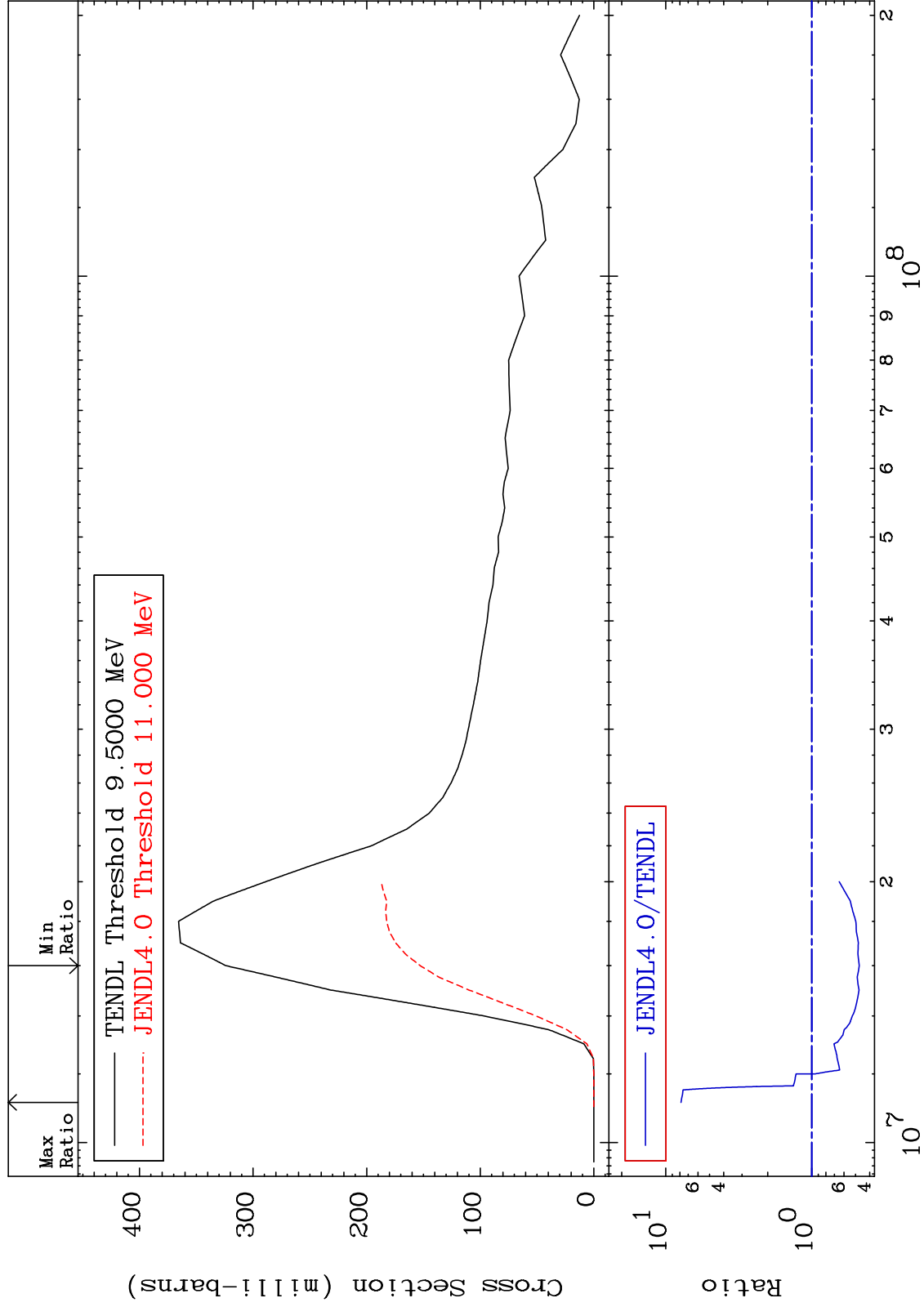
95-Am-241  
-99.91 To -22.73%



MAT 9543

(n,2nf) Third Chance  
Cross Section

95-Am-241  
-52.80 To 684.4 %



95-Am-241

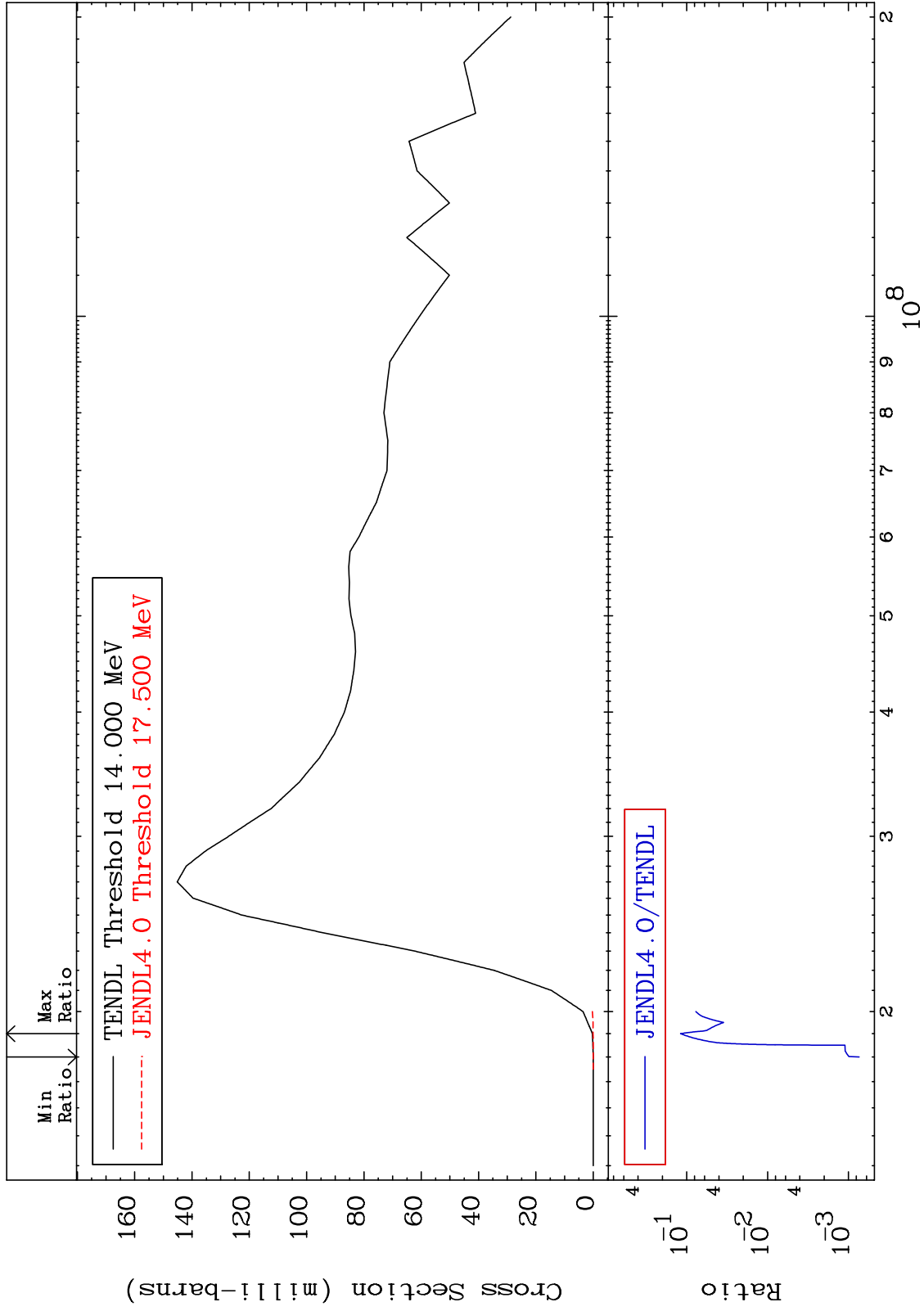
Incident Energy (eV)

9

MAT 9543

(n,3nf) Fourth Chance  
Cross Section

95-Am-241  
-99.93 To -88.11%



10

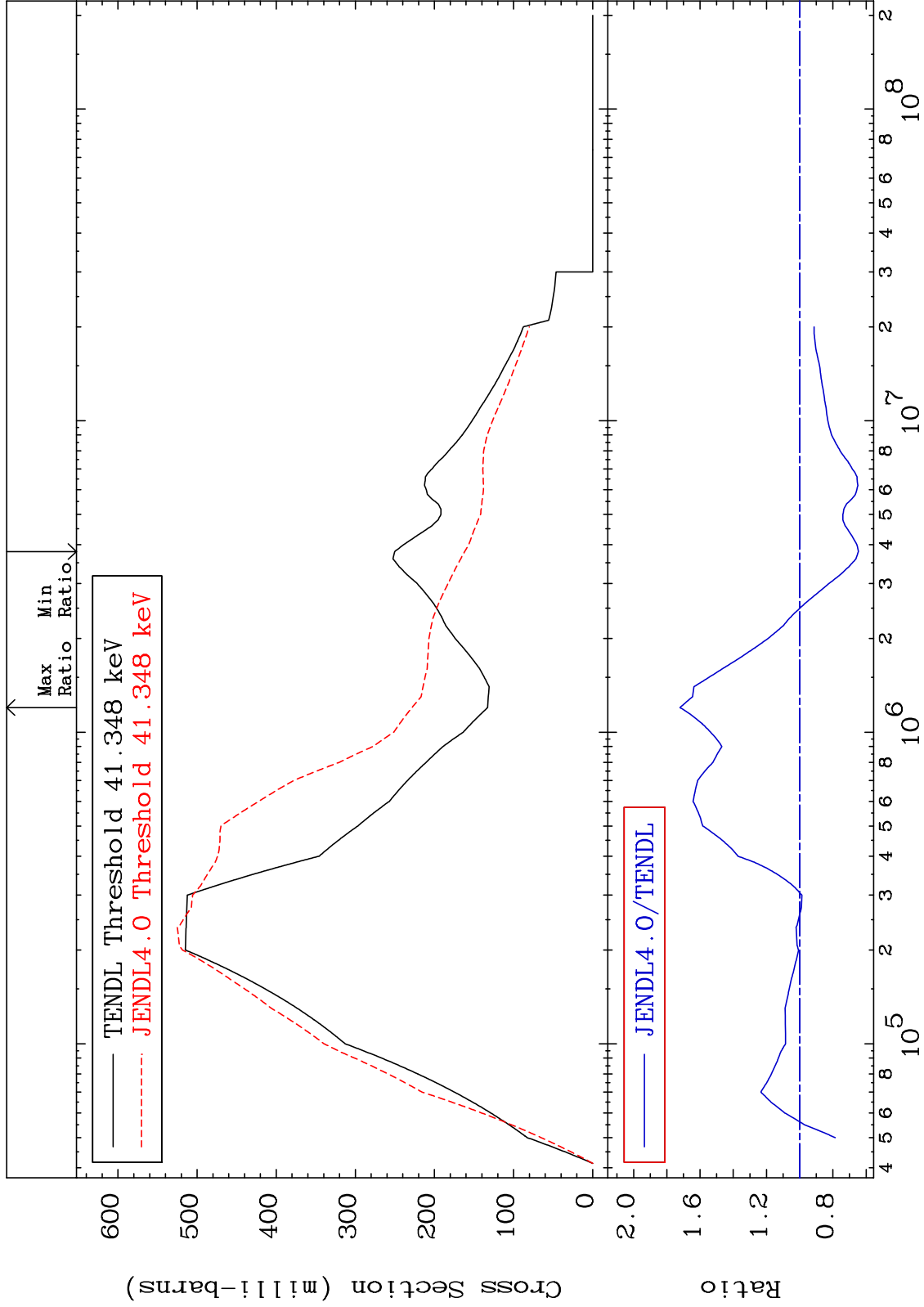
Incident Energy (eV)

95-Am-241

MAT 9543

MT= 51 (n,n') Level  
Cross Section

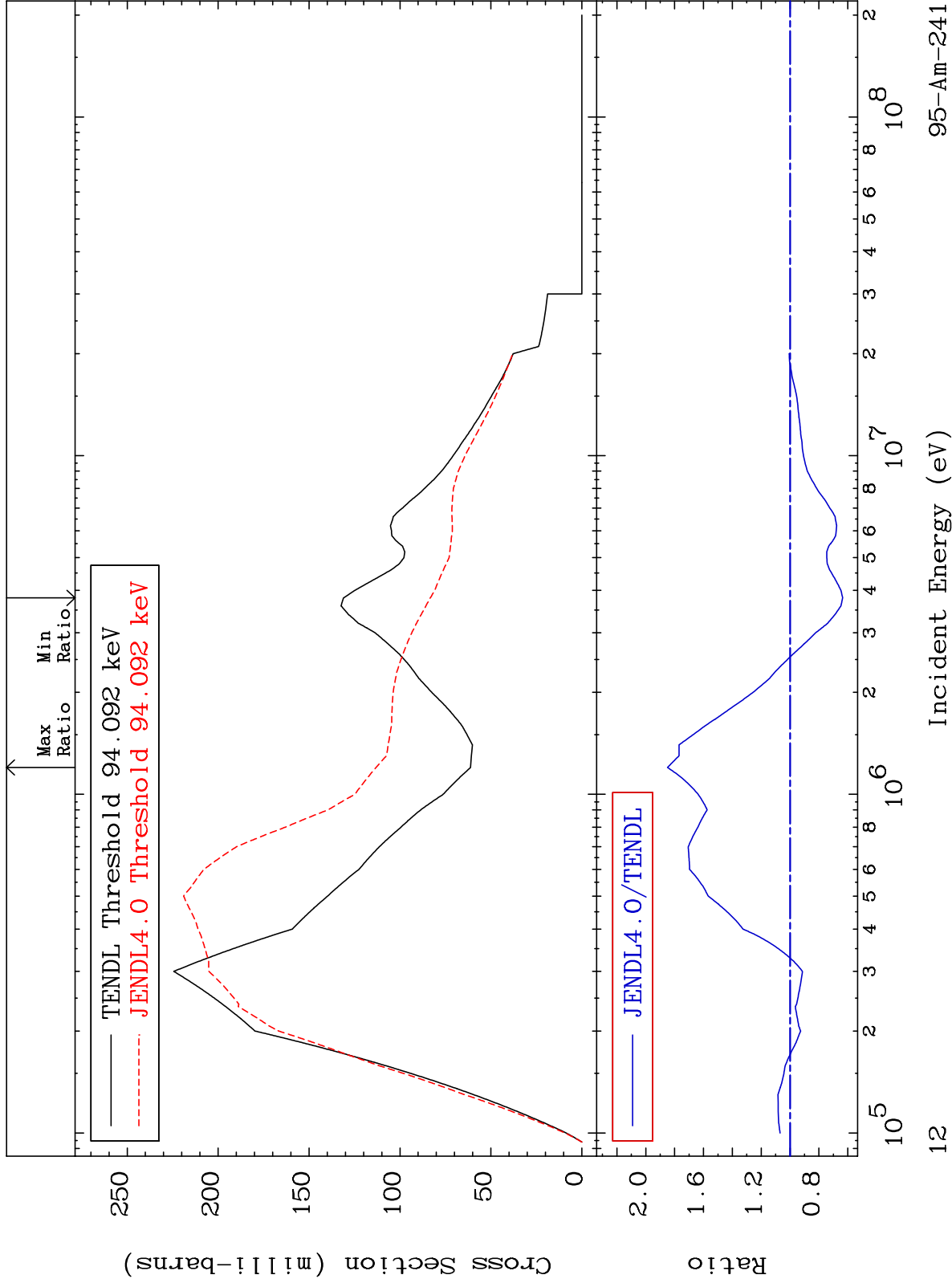
95-Am-241  
-35.36 To 72.06 %



MAT 9543

MT= 52 (n,n') Level  
Cross Section

95-Am-241  
-36.43 To 84.91 %



95-Am-241

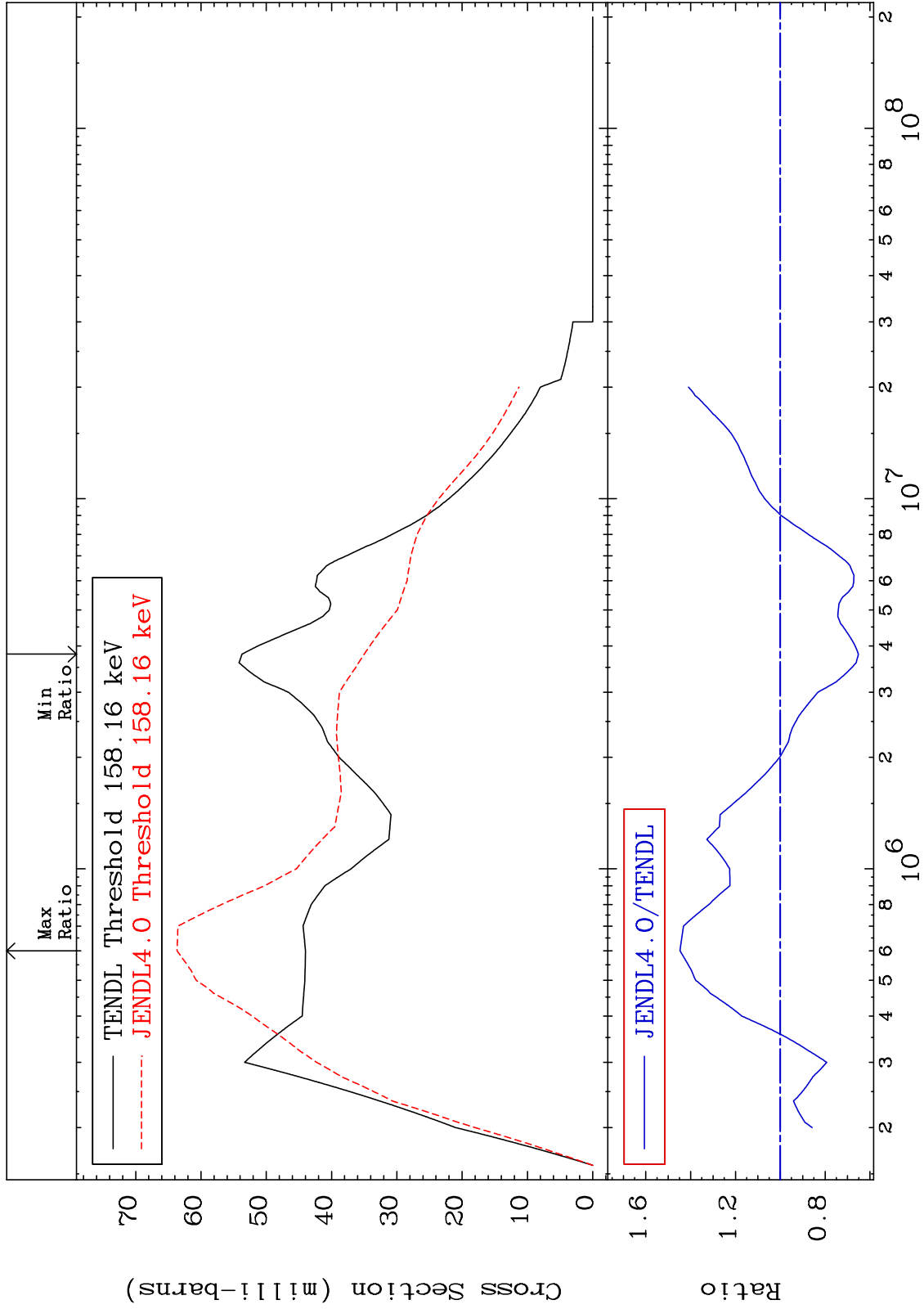
Incident Energy (eV)

12

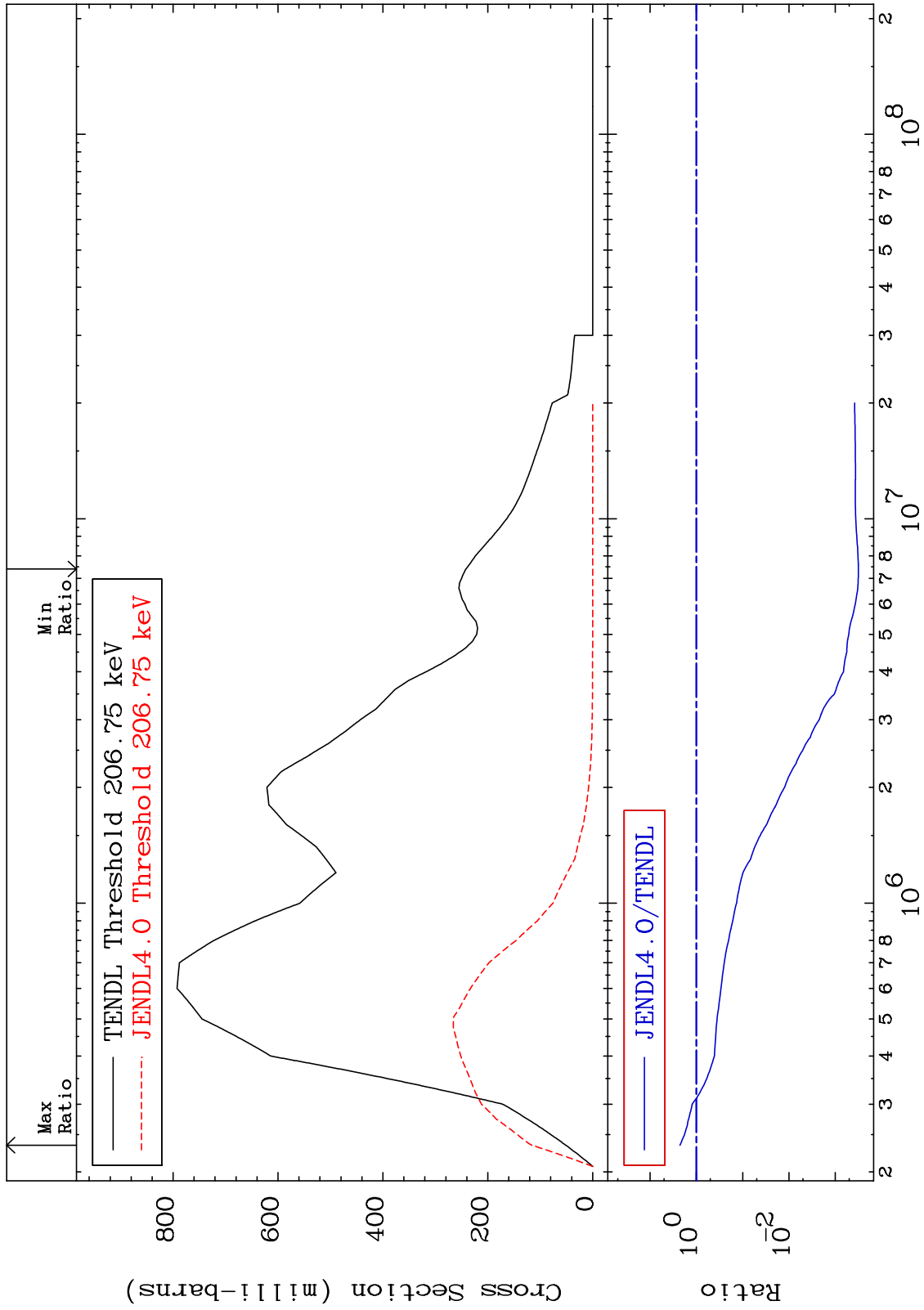
MAT 9543

MT= 53 (n,n') Level  
Cross Section

95-Am-241  
-34.84 To 44.73 %



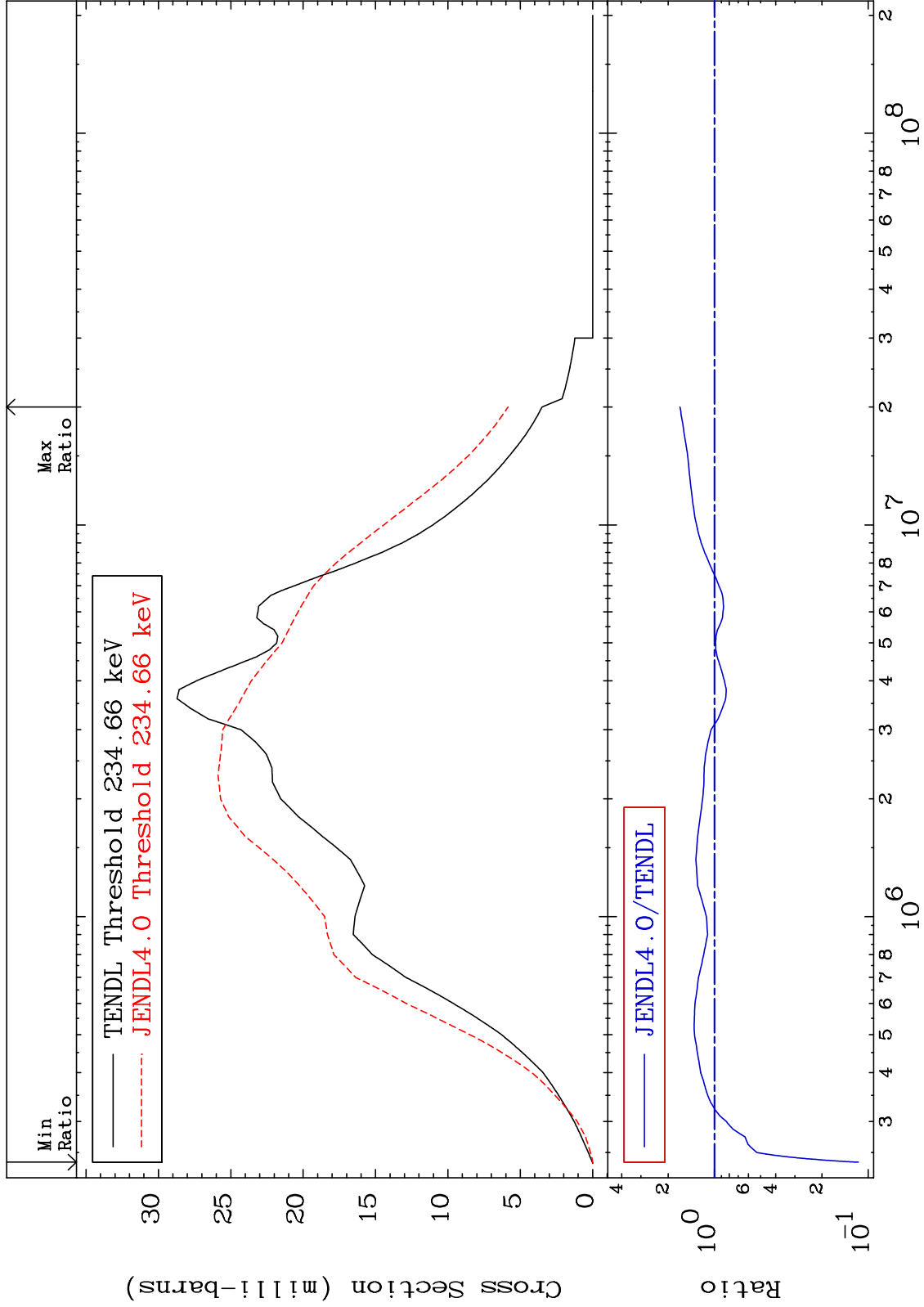
MAT 9543      MT= 54 (n,n') Level      95-Am-241  
 Cross Section      -99.97 To 125.8 %



MAT 9543

MT= 55 (n,n') Level  
Cross Section

95-Am-241  
-88.41 To 67.31 %



15

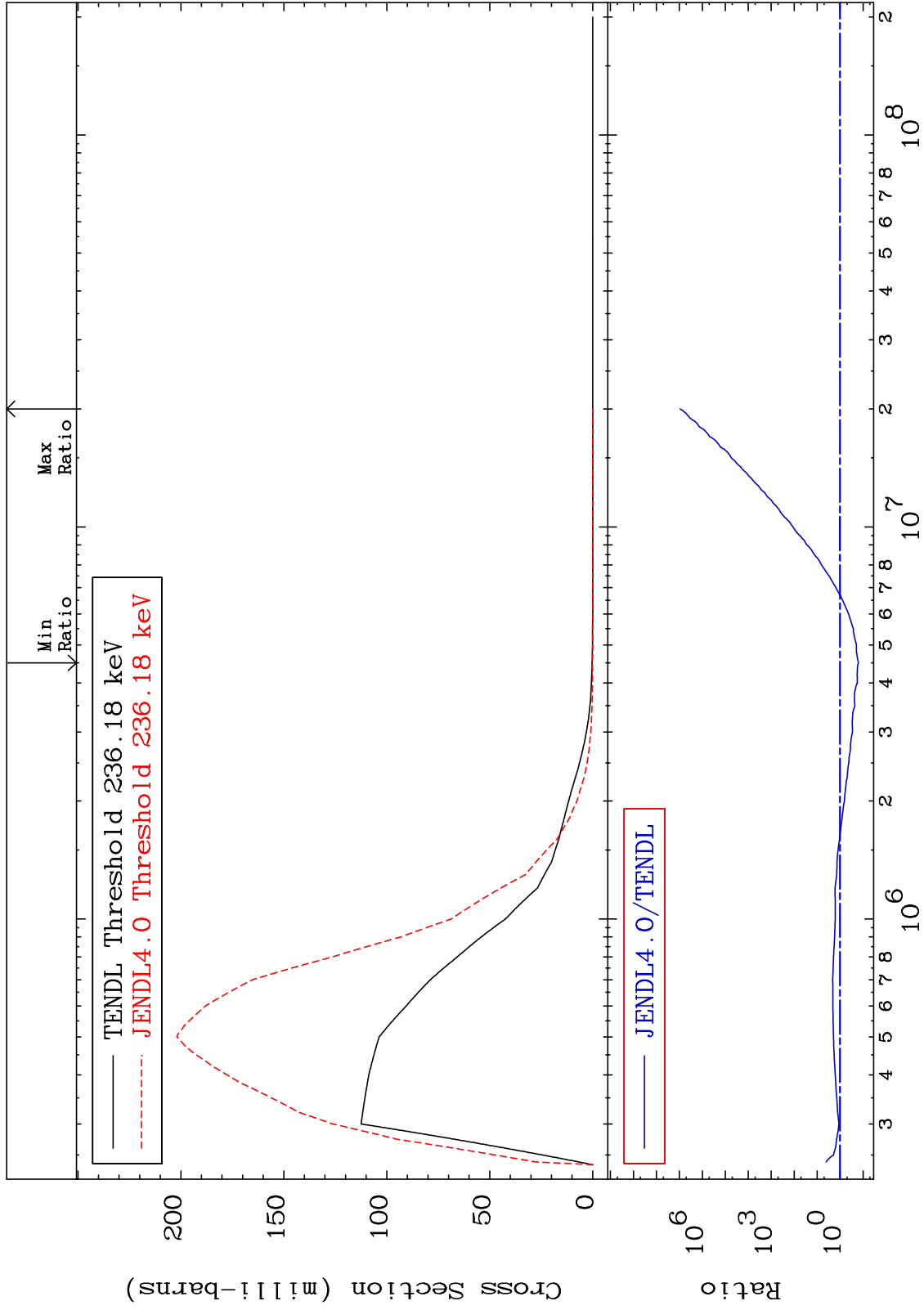
95-Am-241



MAT 9543

MT= 56 (n,n') Level  
Cross Section

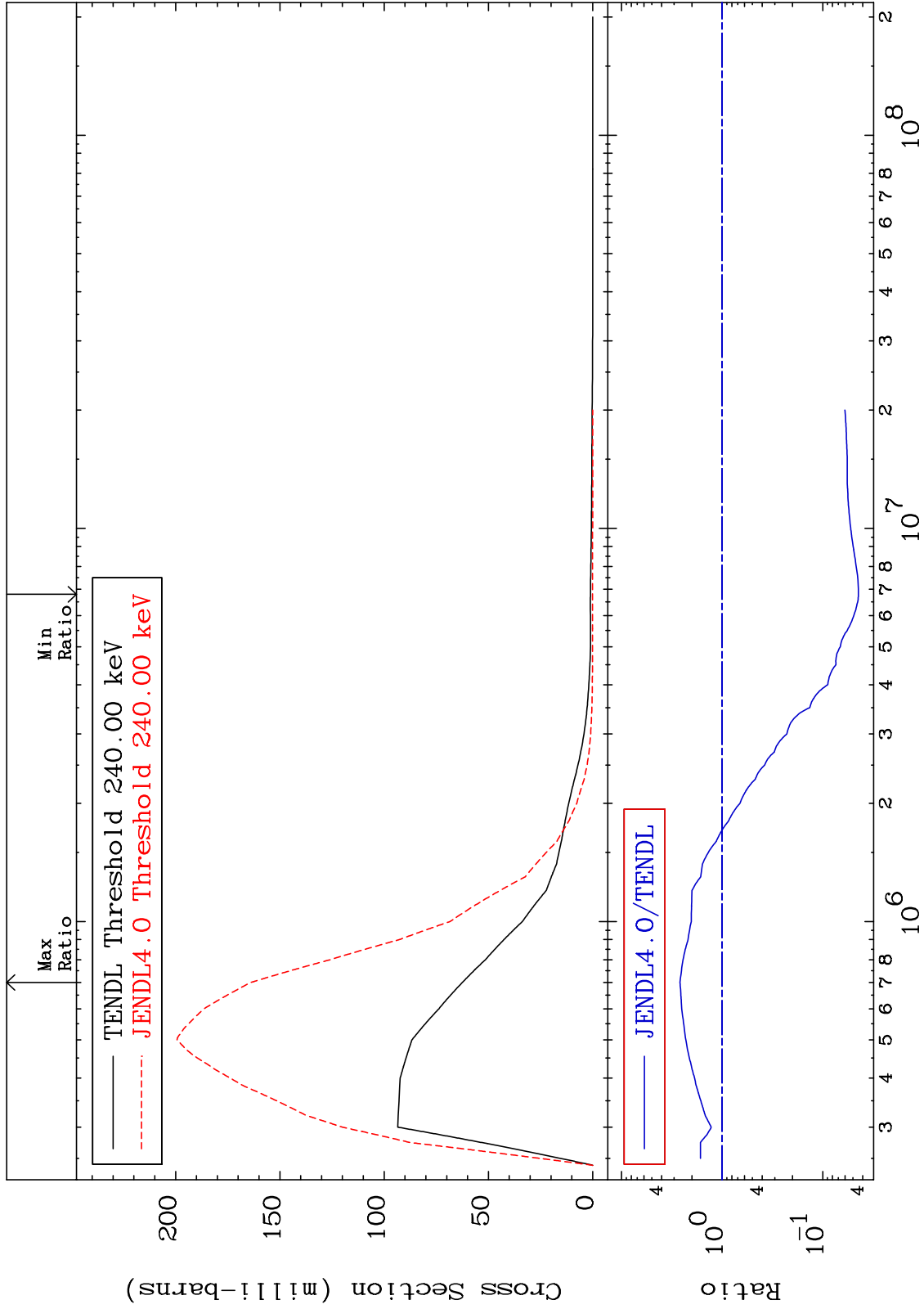
95-Am-241  
-84.03 To 9999. %



MAT 9543

MT= 57 (n,n') Level  
Cross Section

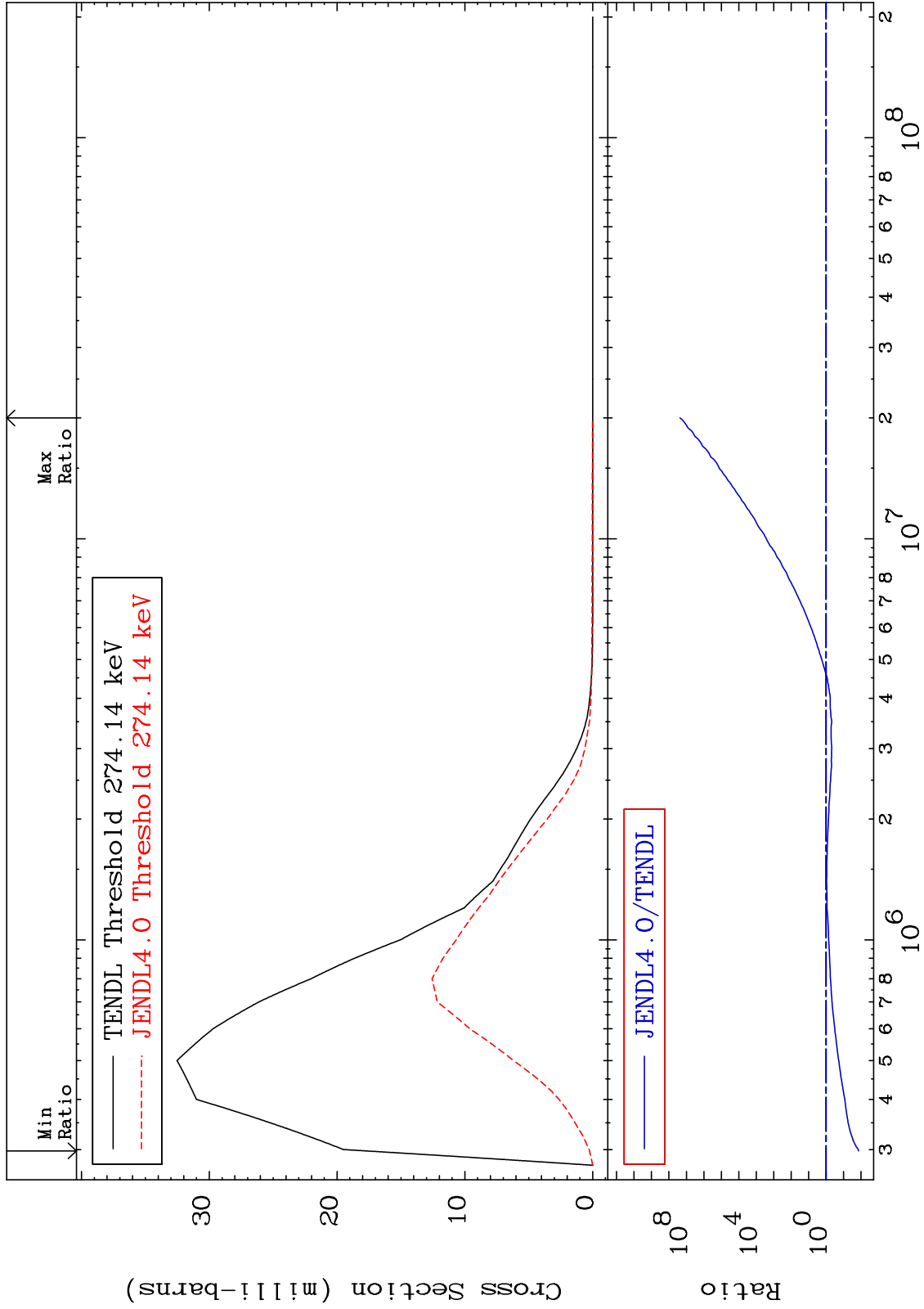
95-Am-241  
-95.58 To 162.4 %



MAT 9543

MT= 58 (n,n') Level  
Cross Section

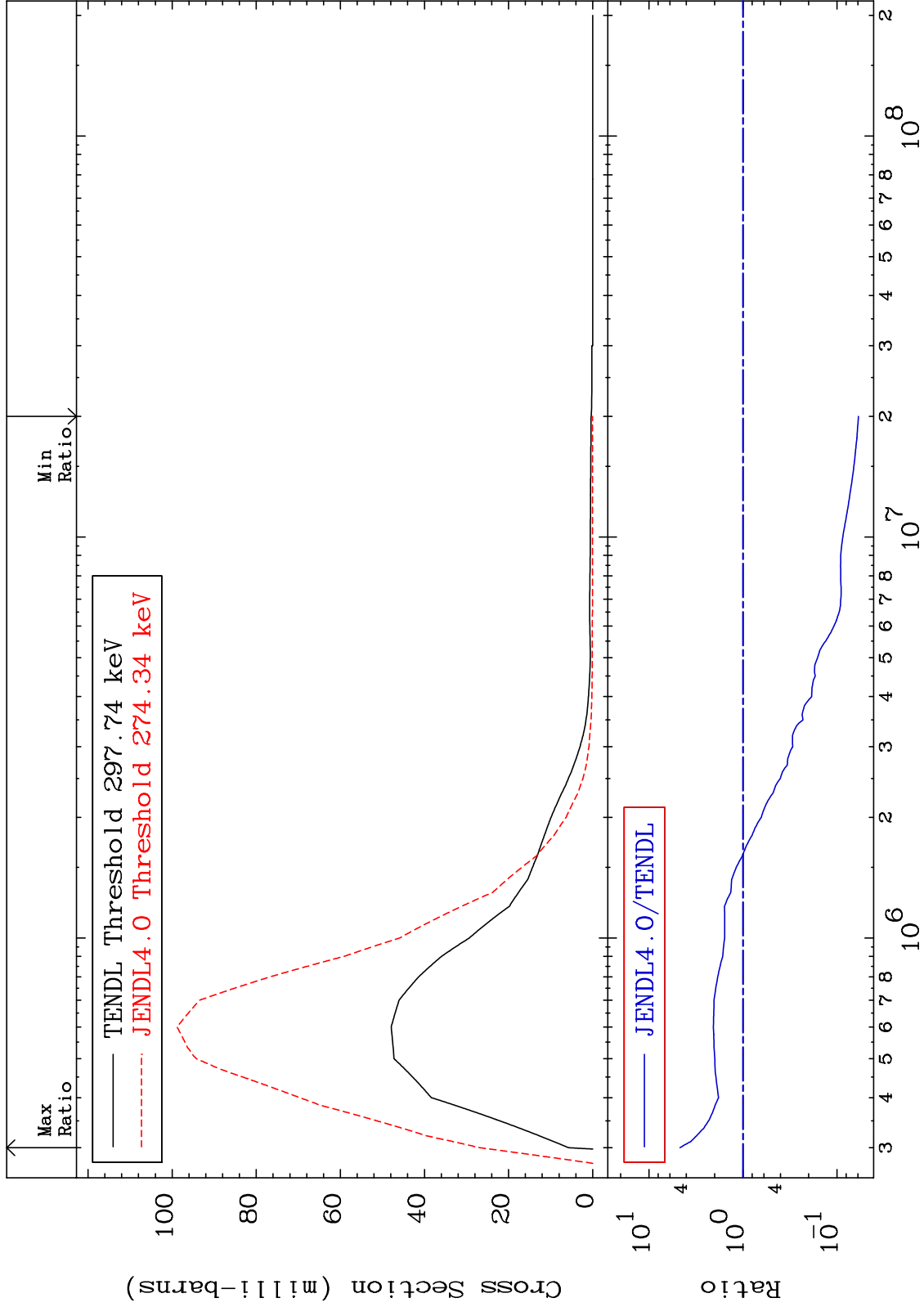
95-Am-241  
-98.58 To 9999. %



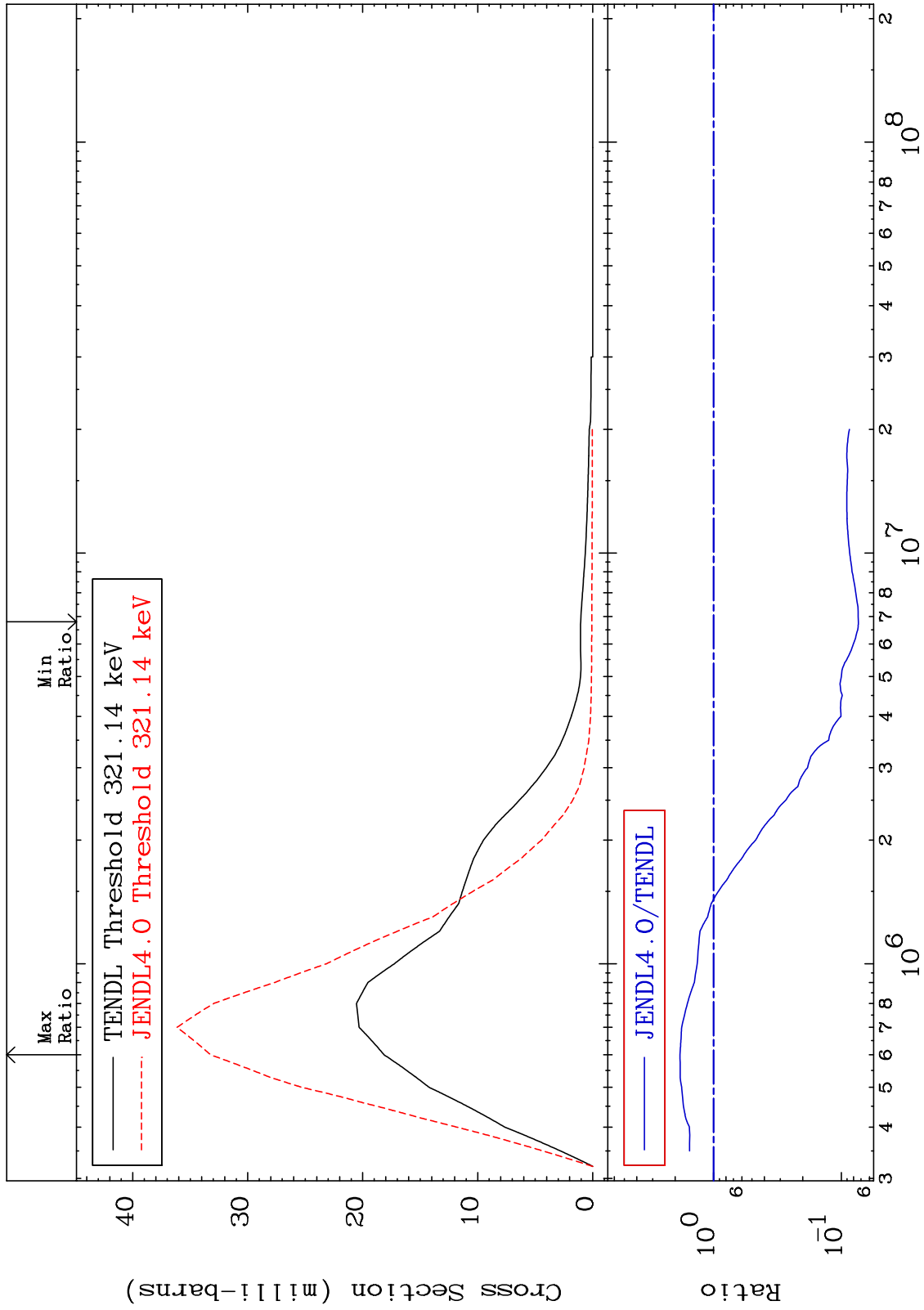
MAT 9543

MT= 59 (n,n') Level  
Cross Section

95-Am-241  
-94.08 To 367.3 %



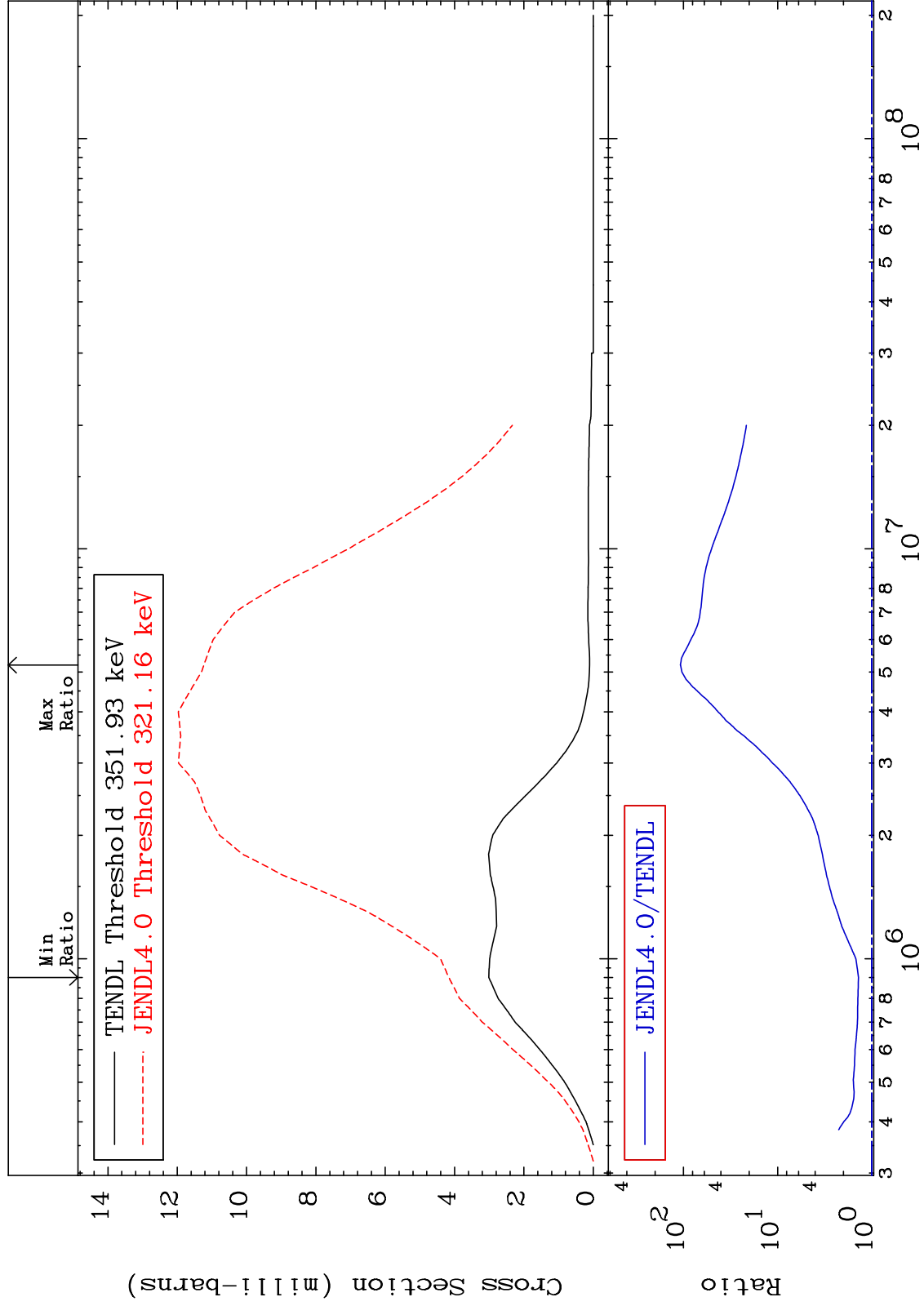
MAT 9543      MT= 60 (n,n') Level      95-Am-241  
 Cross Section      -92.66 To 83.17 %



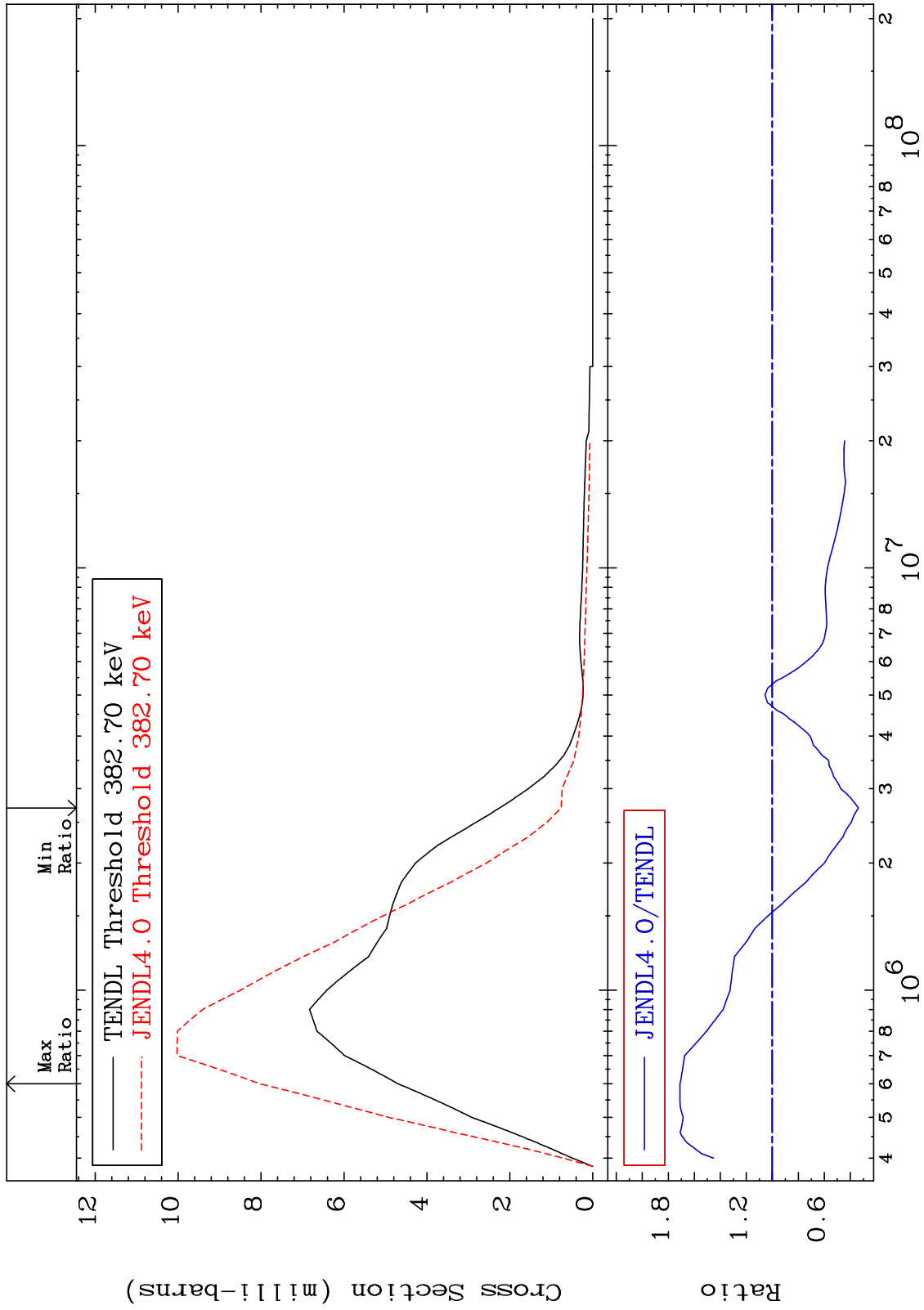
MAT 9543

MT= 61 (n,n') Level  
Cross Section

38.29 To 9999. %  
95-Am-241



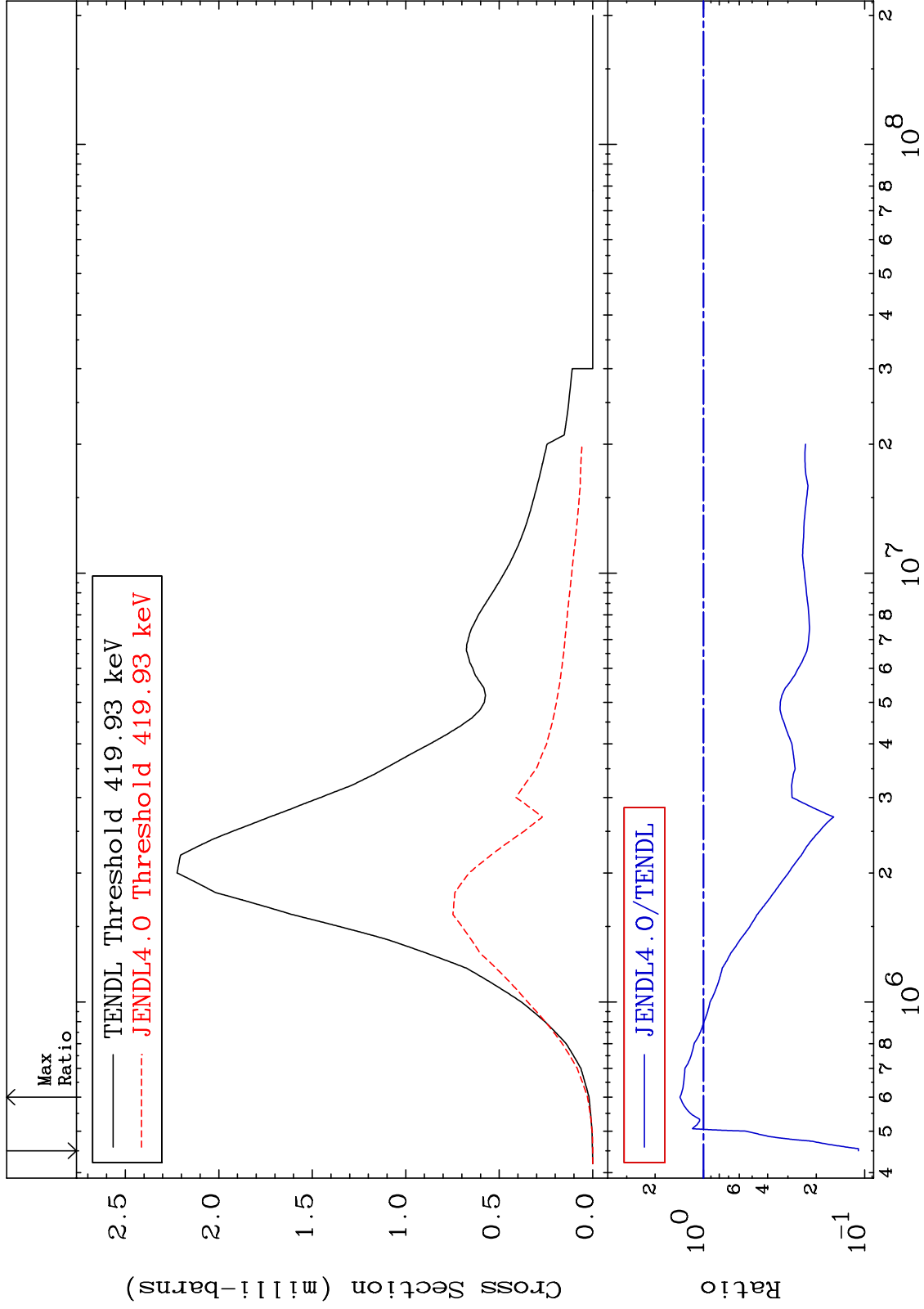
MAT 9543 MT= 62 (n,n') Level Cross Section 95-Am-241 -66.25 To 70.98 %



MAT 9543

MT= 63 (n,n') Level  
Cross Section

95-Am-241  
-89.06 To 40.04 %

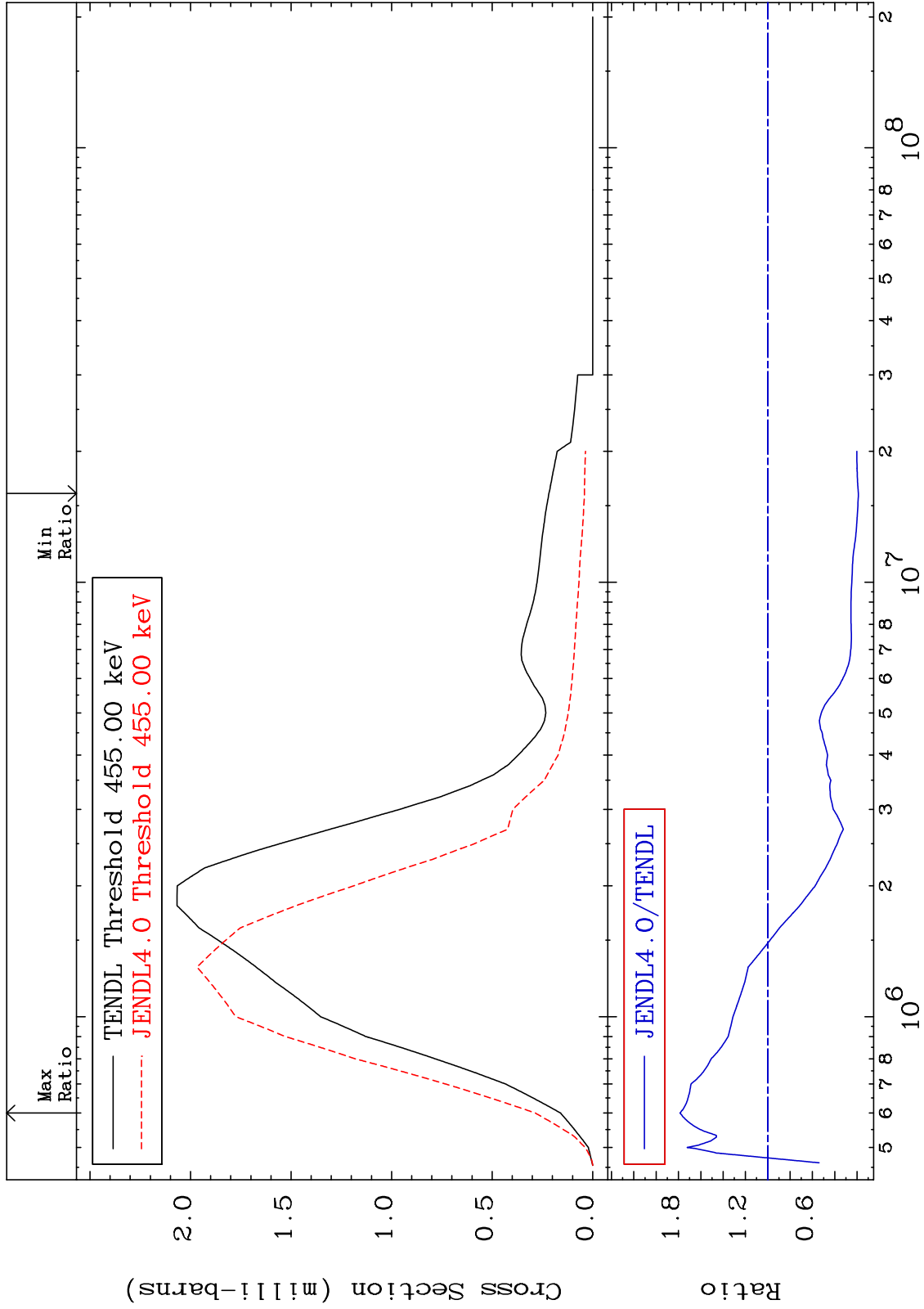




MAT 9543

MT= 64 (n,n') Level  
Cross Section

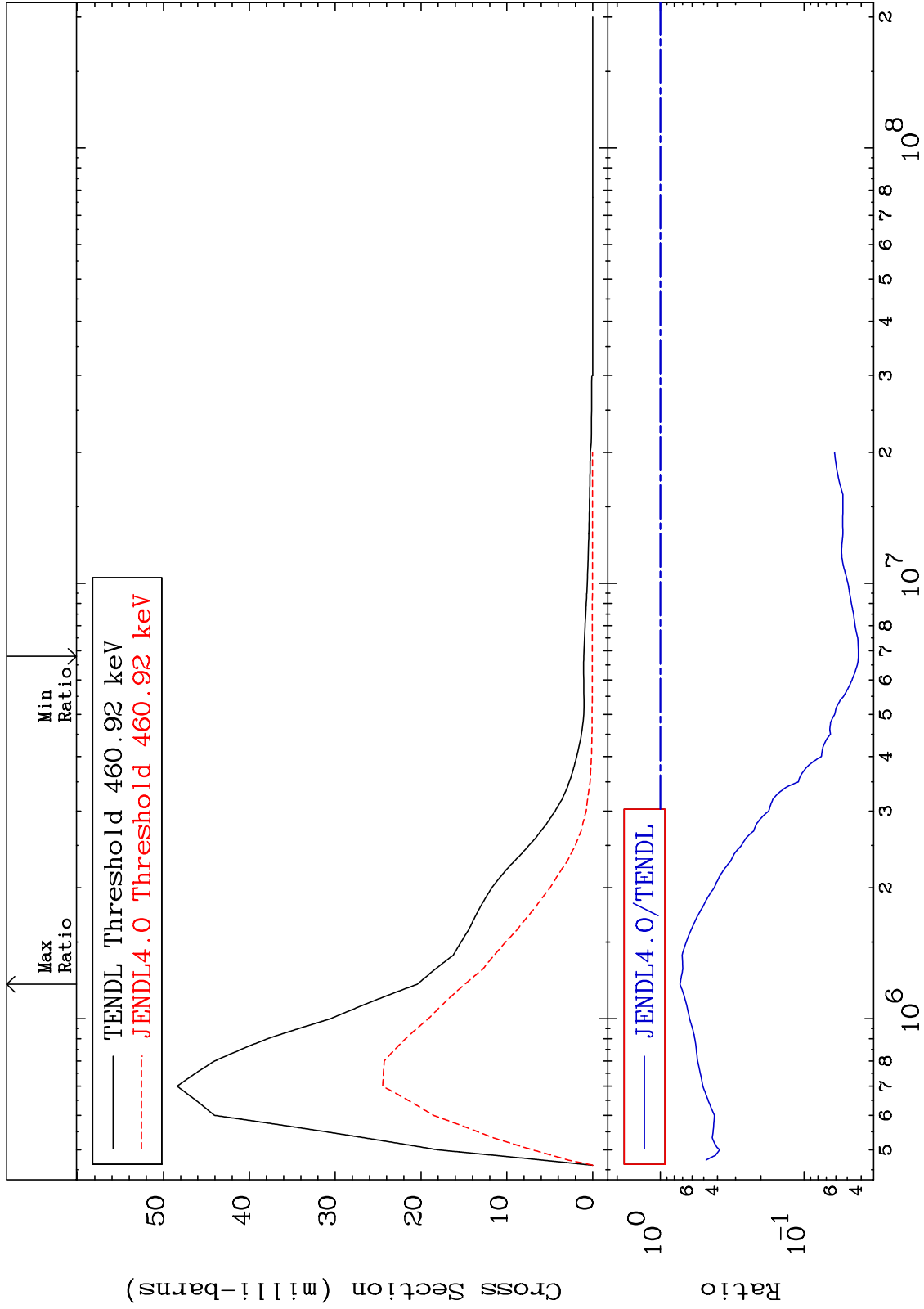
95-Am-241  
-81.18 To 78.60 %



MAT 9543

MT= 65 (n,n') Level  
Cross Section

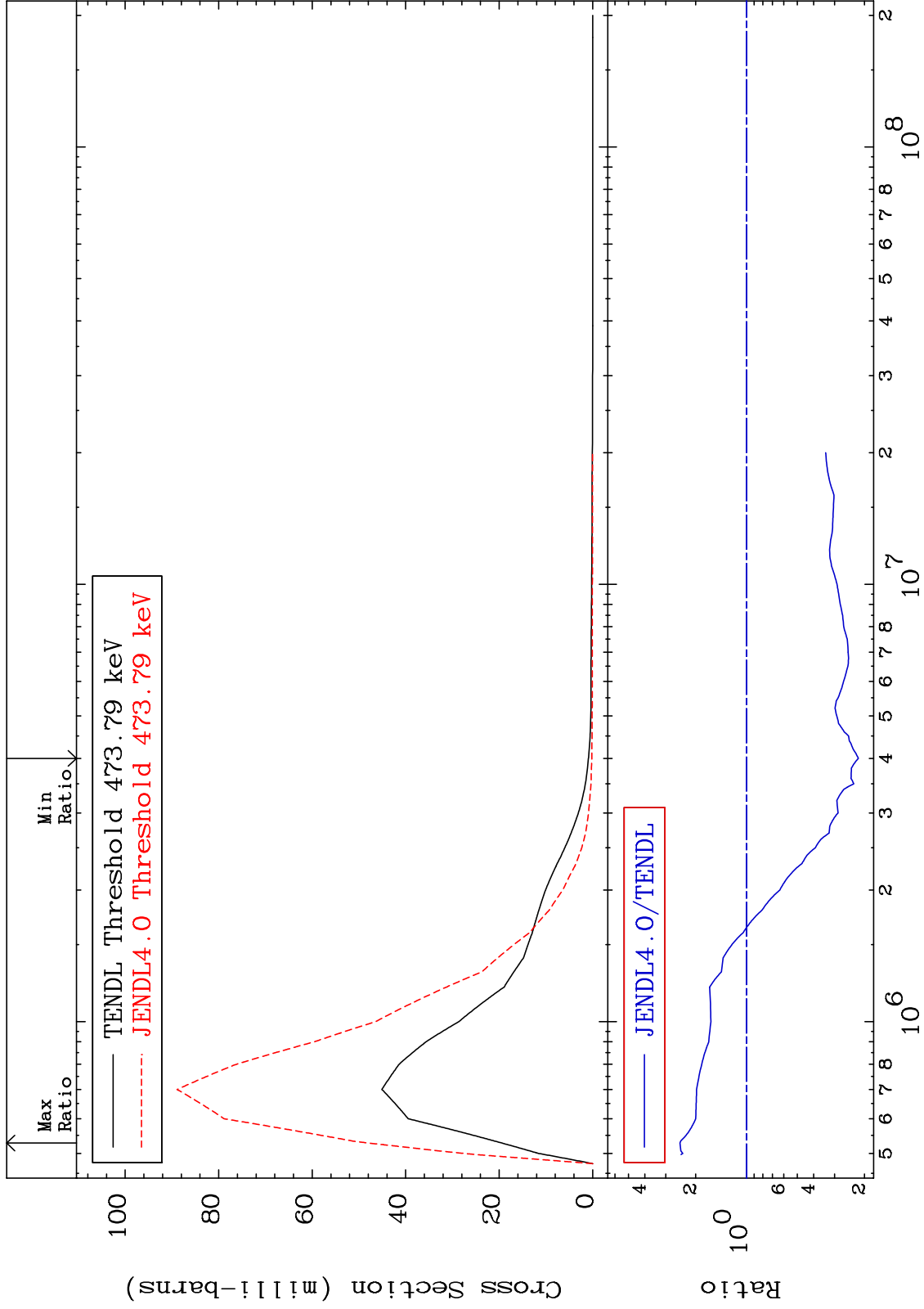
95-Am-241  
-95.82 To -27.01%



MAT 9543

MT= 66 (n,n') Level  
Cross Section

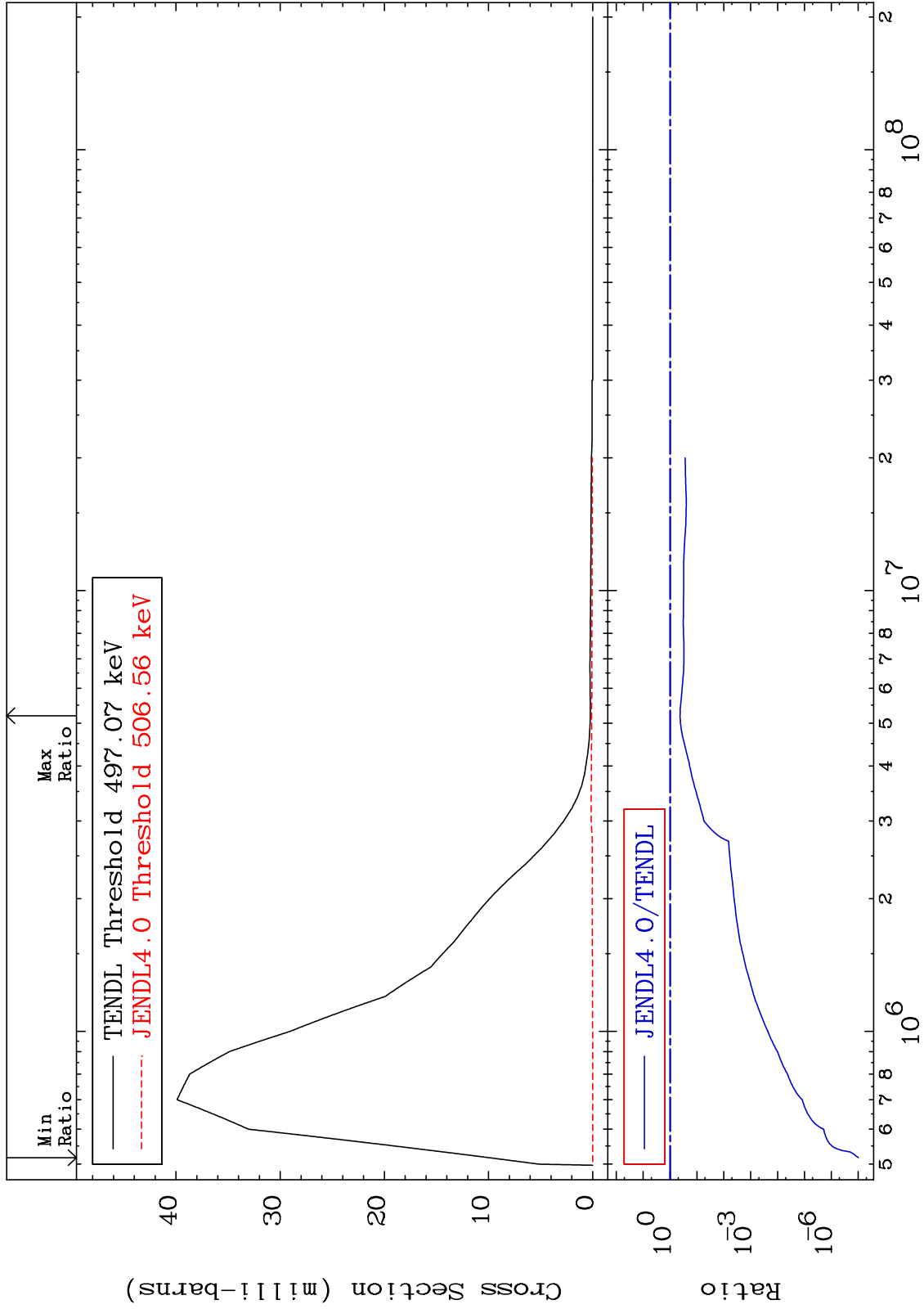
95-Am-241  
-78.31 To 147.3 %



MAT 9543

MT= 67 (n,n') Level  
Cross Section

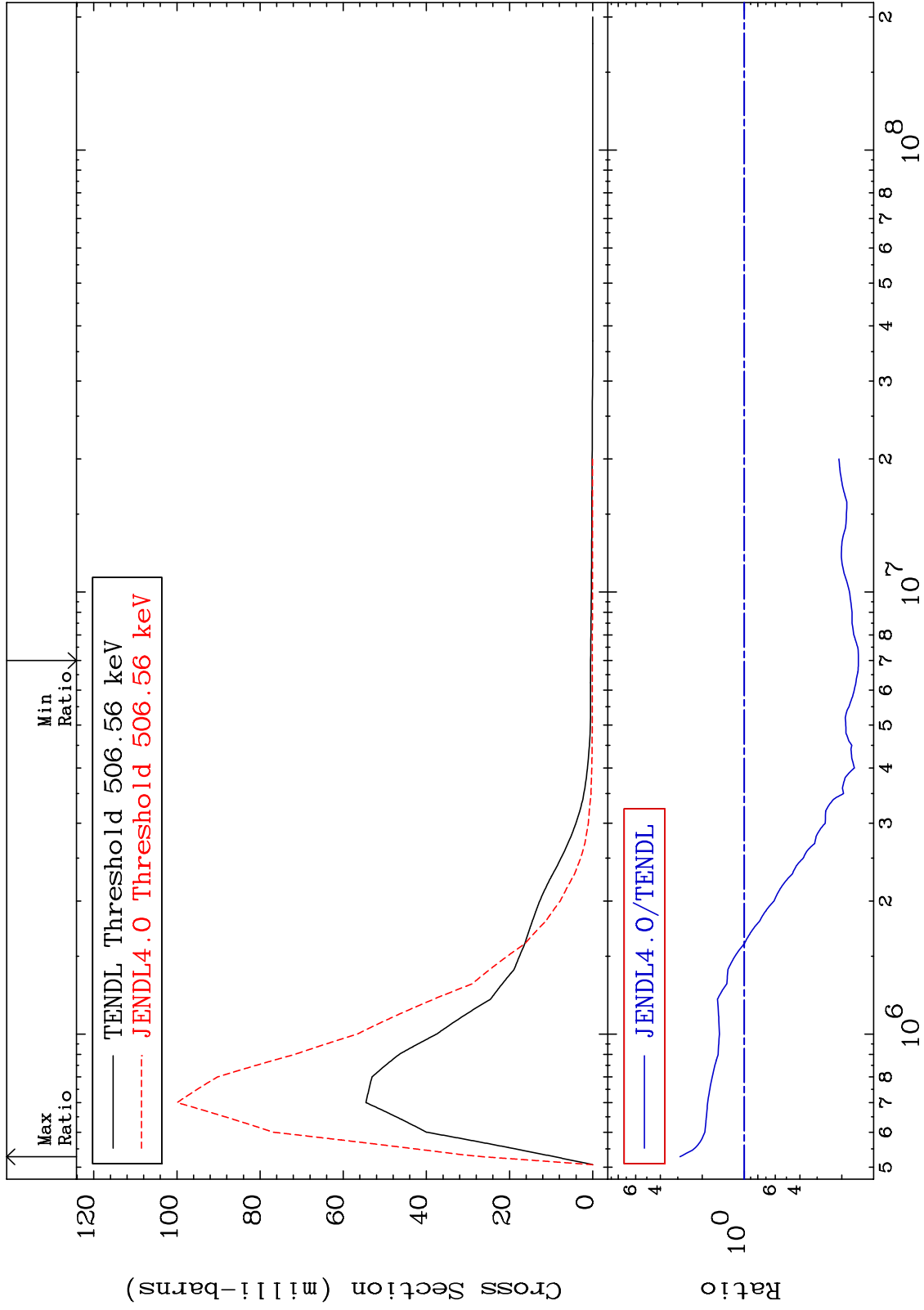
95-Am-241  
-100.0 To -57.35%



MAT 9543

MT= 68 (n,n') Level  
Cross Section

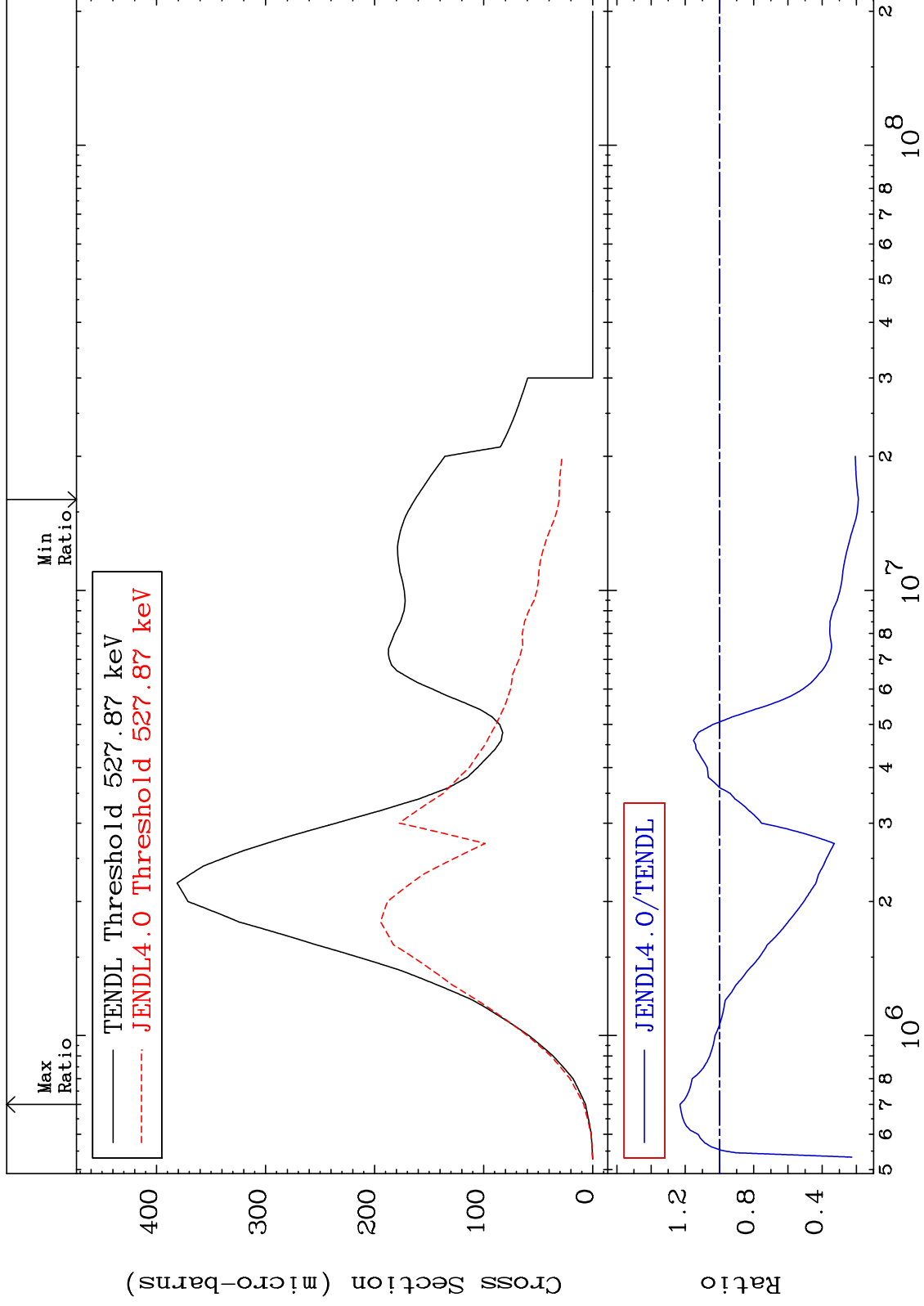
95-Am-241  
-84.80 To 188.9 %



MAT 9543

MT= 69 (n,n') Level  
Cross Section

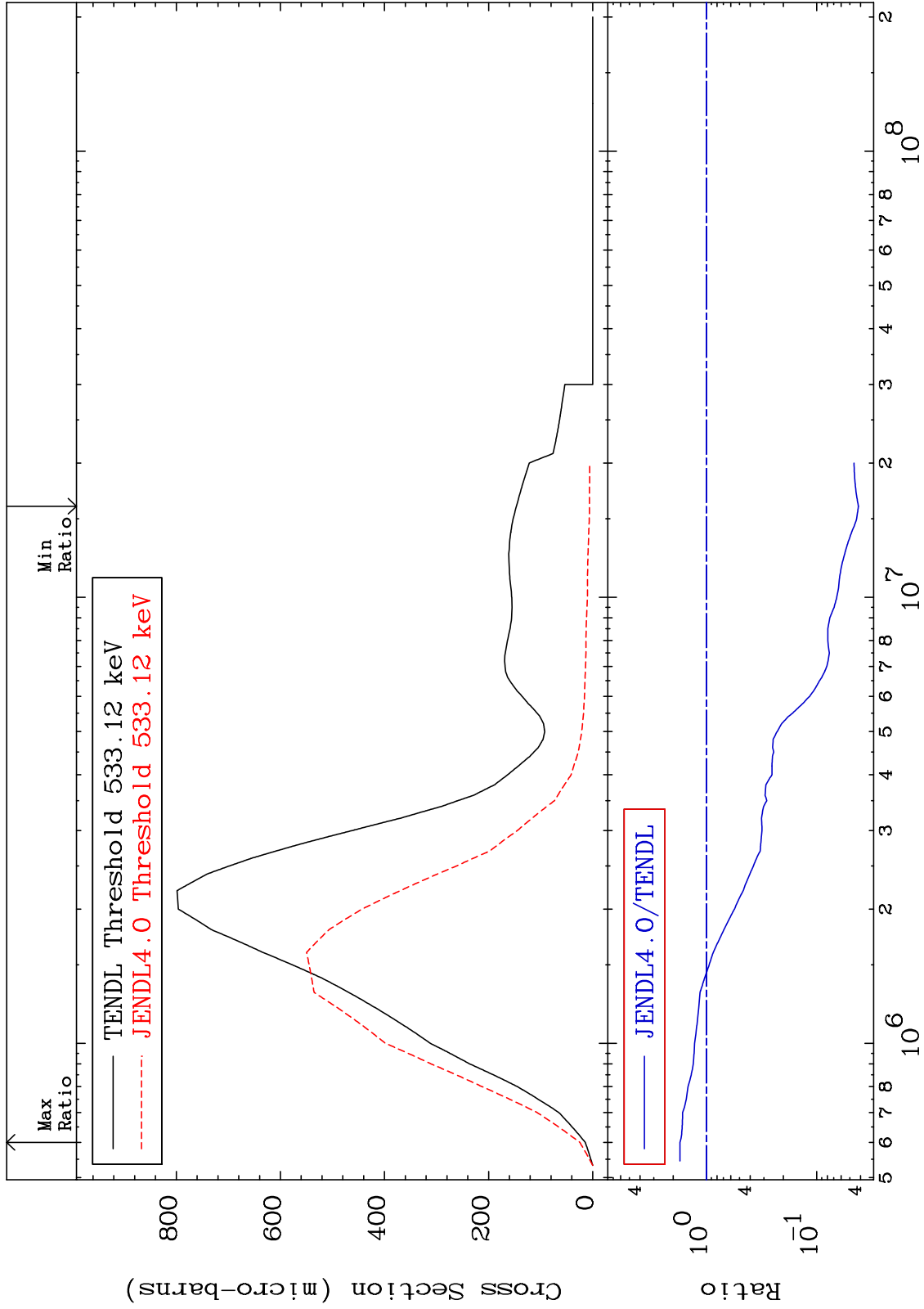
95-Am-241  
-81.18 To 23.08 %



MAT 9543

MT= 70 (n,n') Level  
Cross Section

95-Am-241  
-95.82 To 73.43 %



30

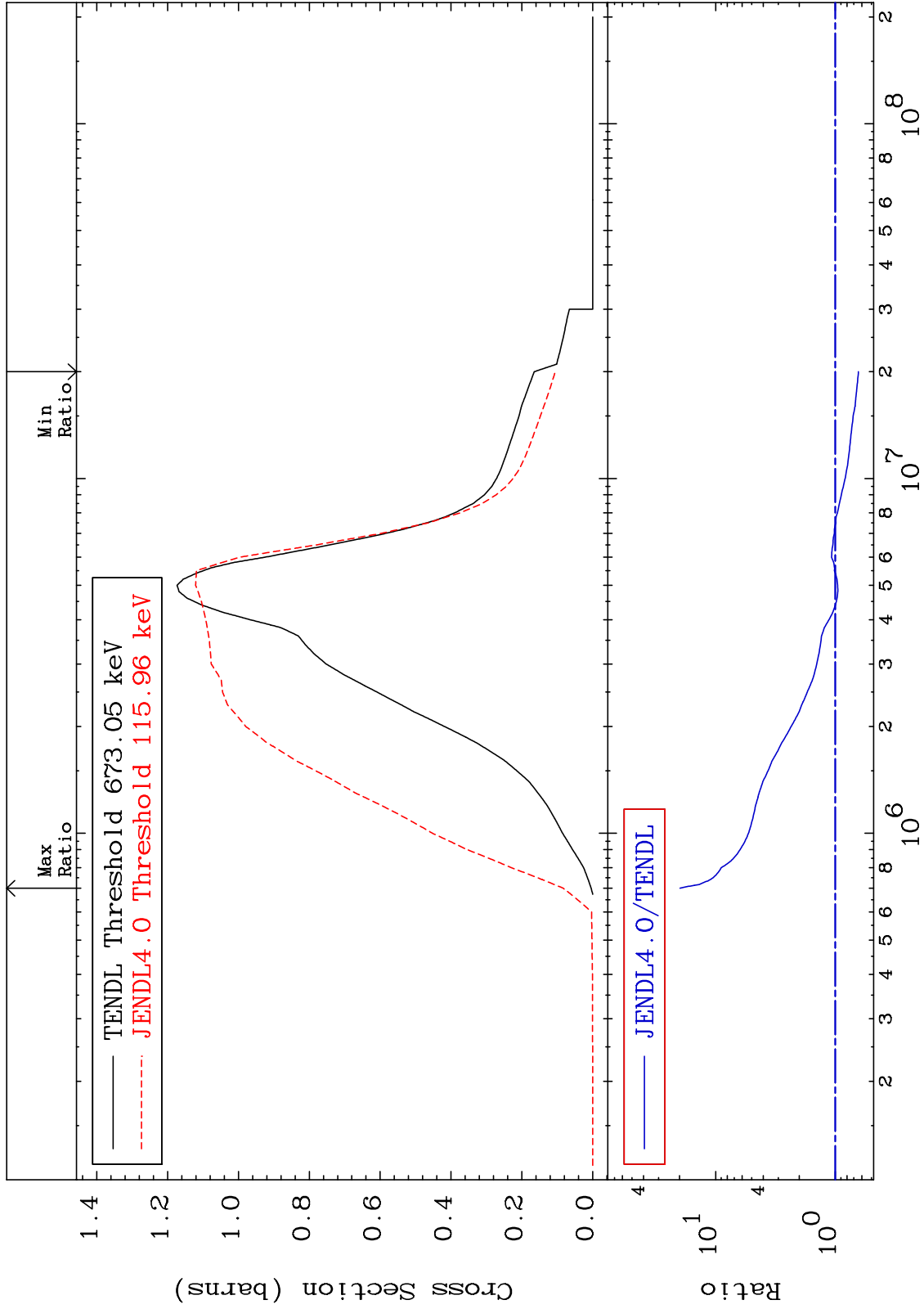
Incident Energy (eV)

95-Am-241

MAT 9543

(n, n') Continuum  
Cross Section

<sup>95</sup>Am-241  
-35.83 To 1884. %





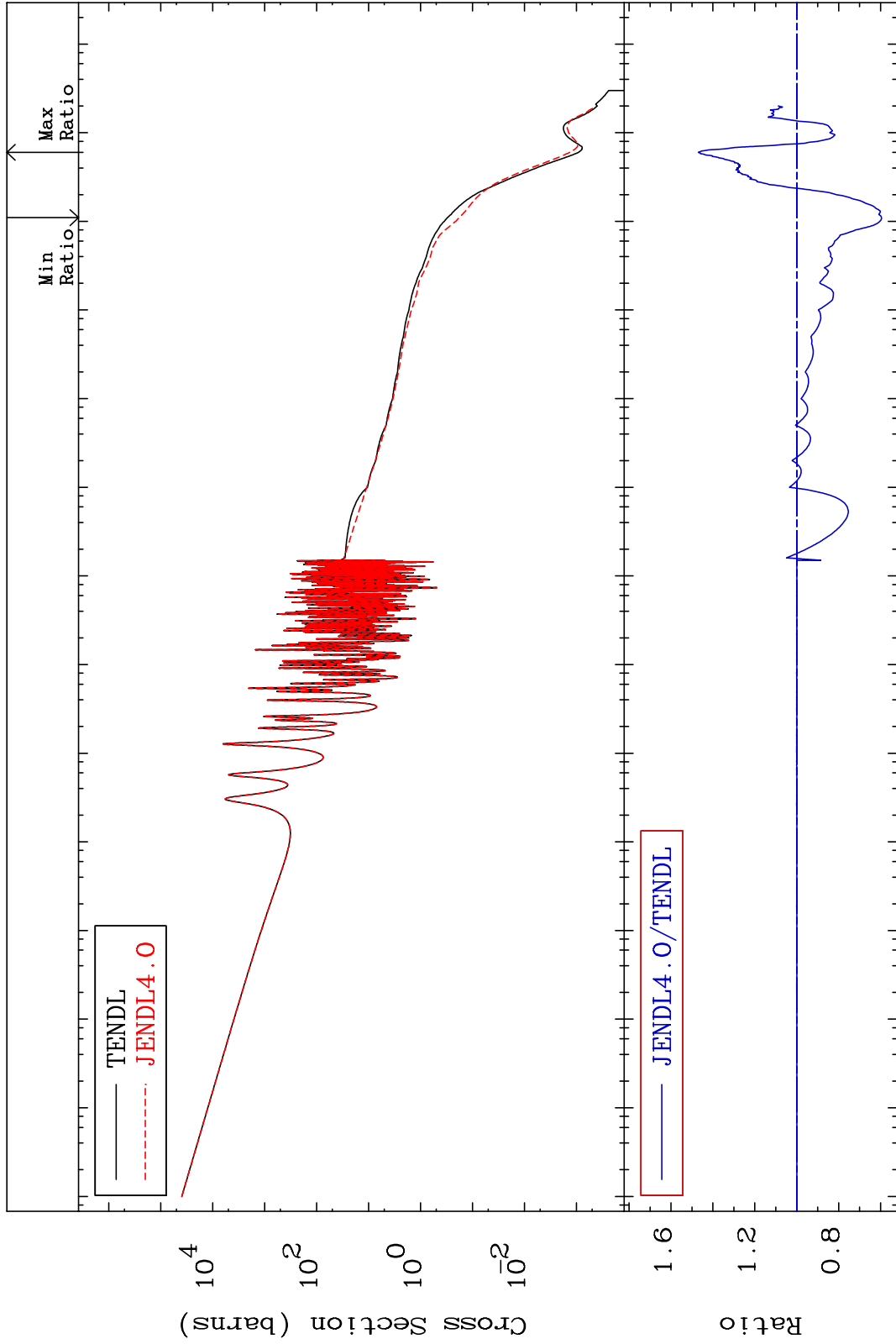
MAT 9543

(n,  $\gamma$ )

95-Am-241

Cross Section

-40.47 To 46.96 %



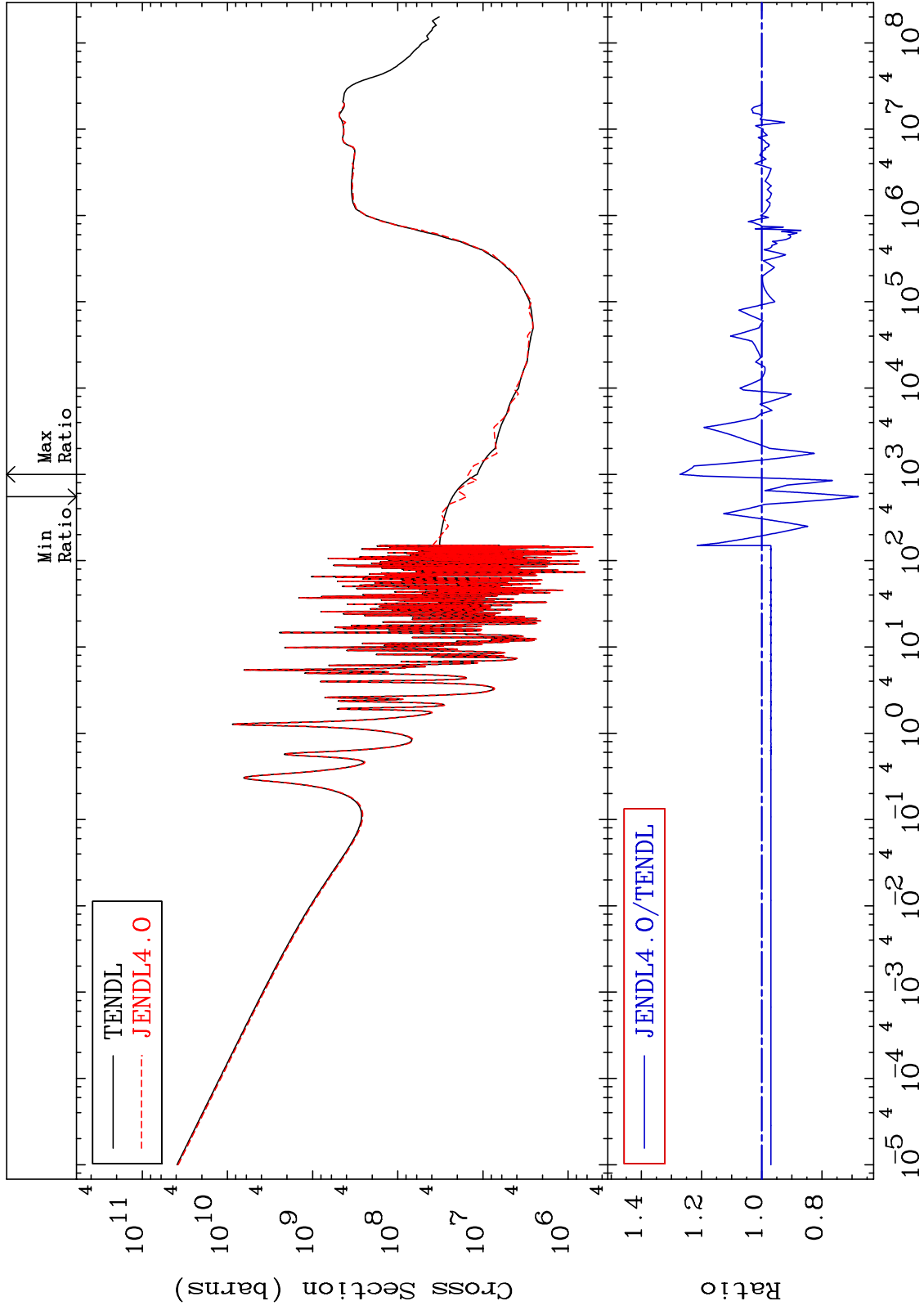
Incident Energy (eV)

95-Am-241

MAT 9543

Kerma total (eV-barns)  
Cross Section

95-Am-241  
-32.09 To 27.13 %



33

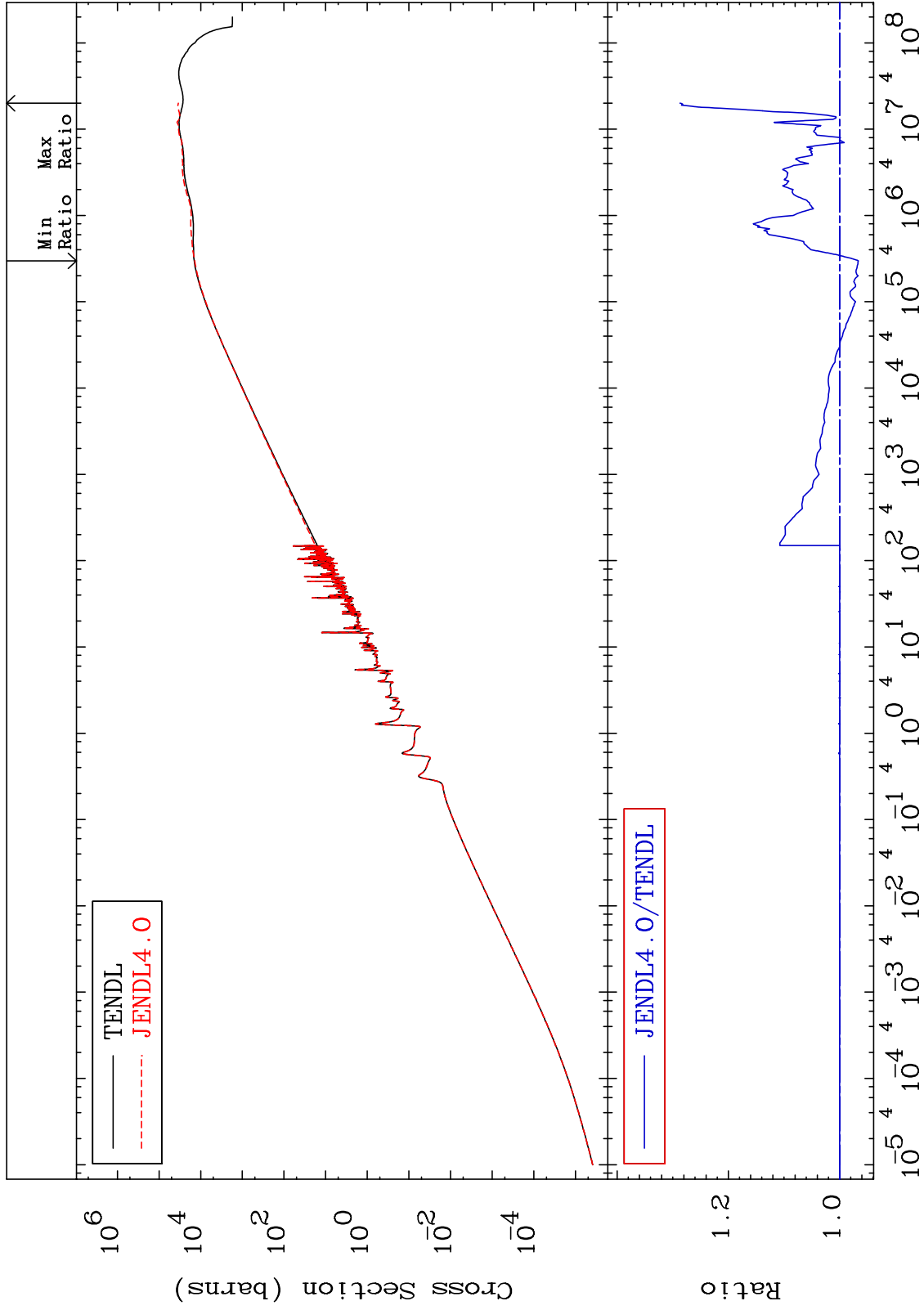
Incident Energy (eV)

95-Am-241

MAT 9543

Kerma elastic  
Cross Section

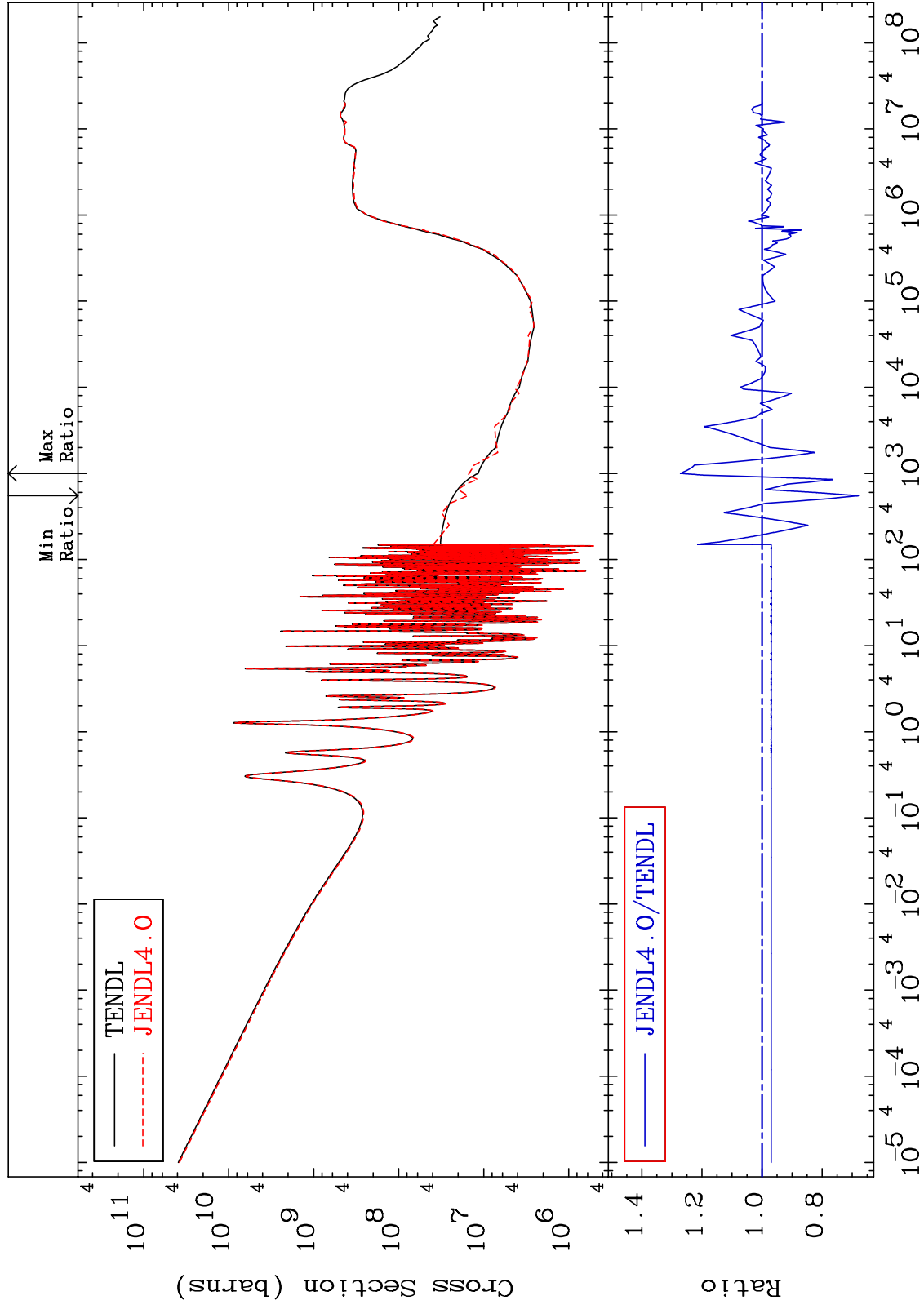
95-Am-241  
-3.377 To 28.70 %



MAT 9543

Kerma non-elastic (all but mt2)  
Cross Section

95-Am-241  
-32.09 To 27.13 %



35

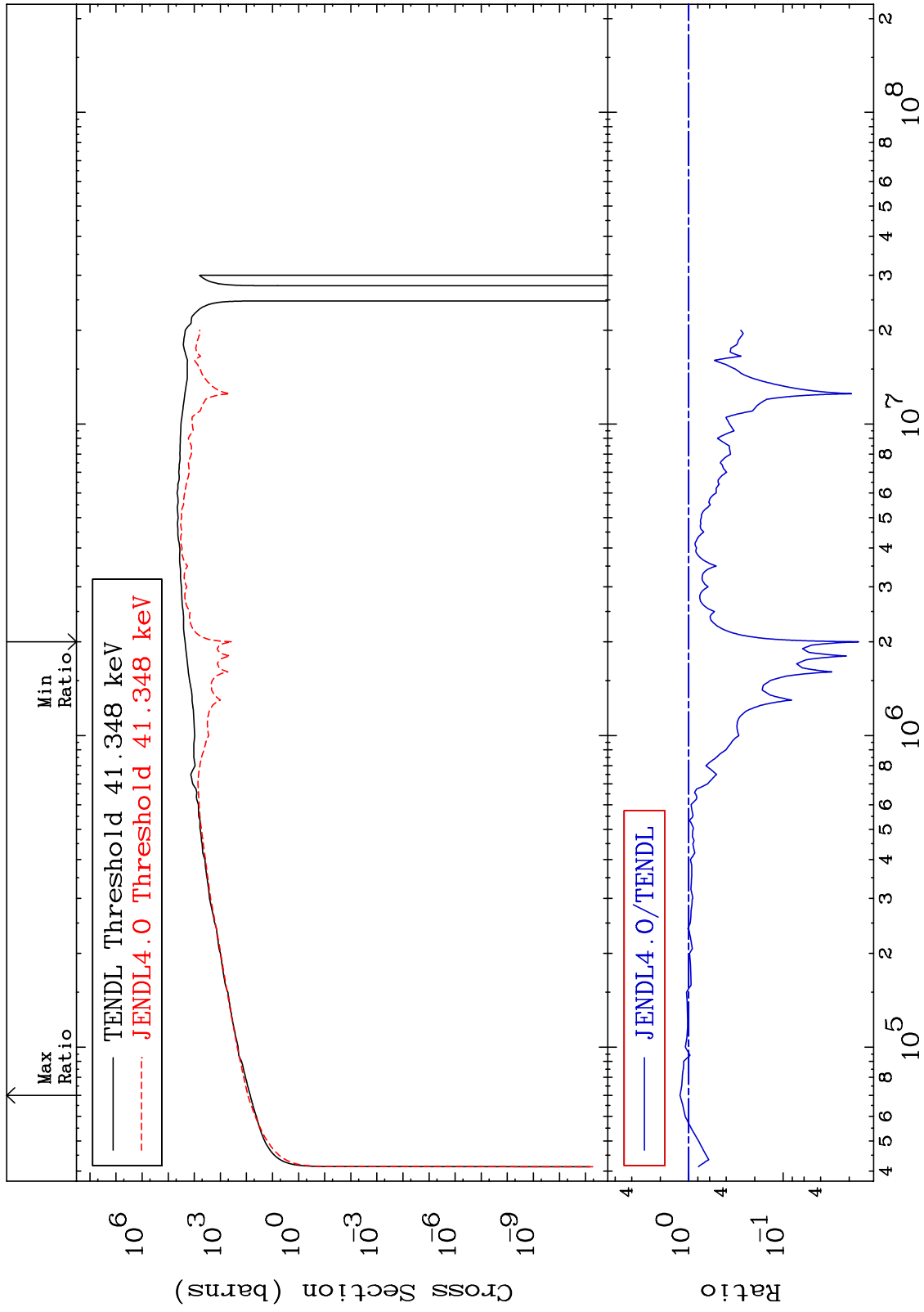
Incident Energy (eV)

95-Am-241

MAT 9543

Kerma inelastic (mt51-91)  
Cross Section

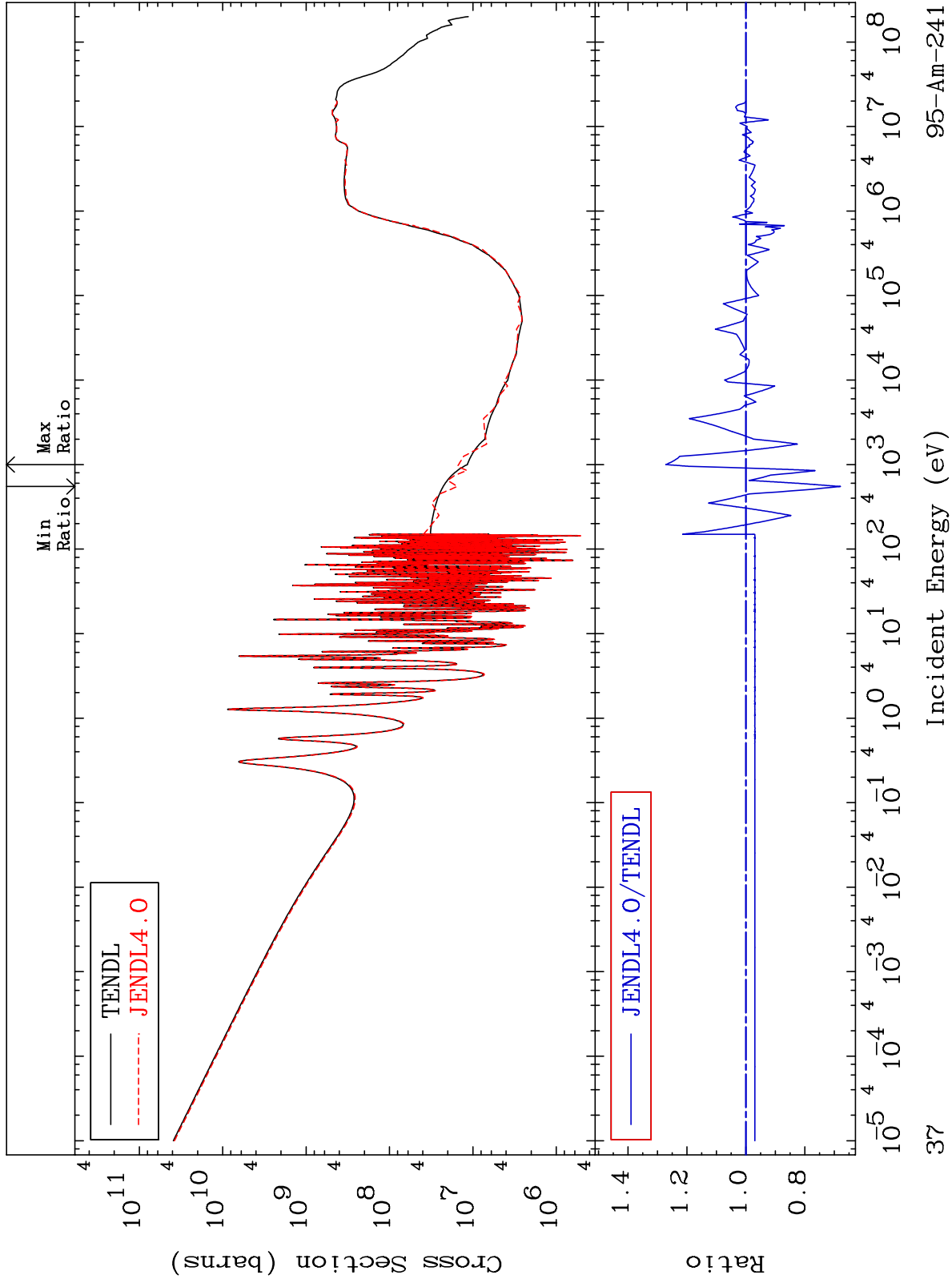
95-Am-241  
-98.40 To 23.46 %



MAT 9543

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

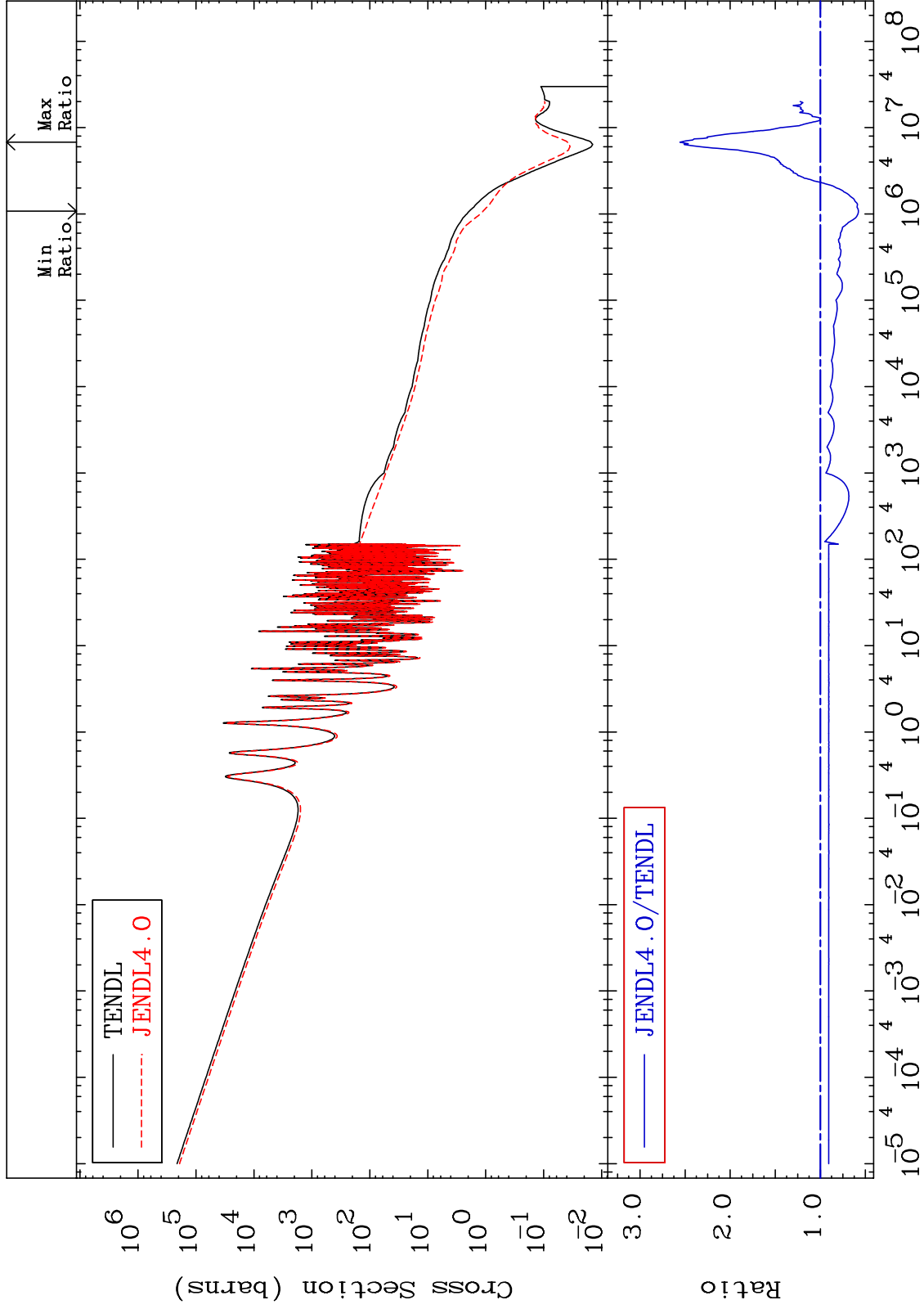
95-Am-241  
-32.09 To 27.13 %



MAT 9543

Kerma capture (mt102)  
Cross Section

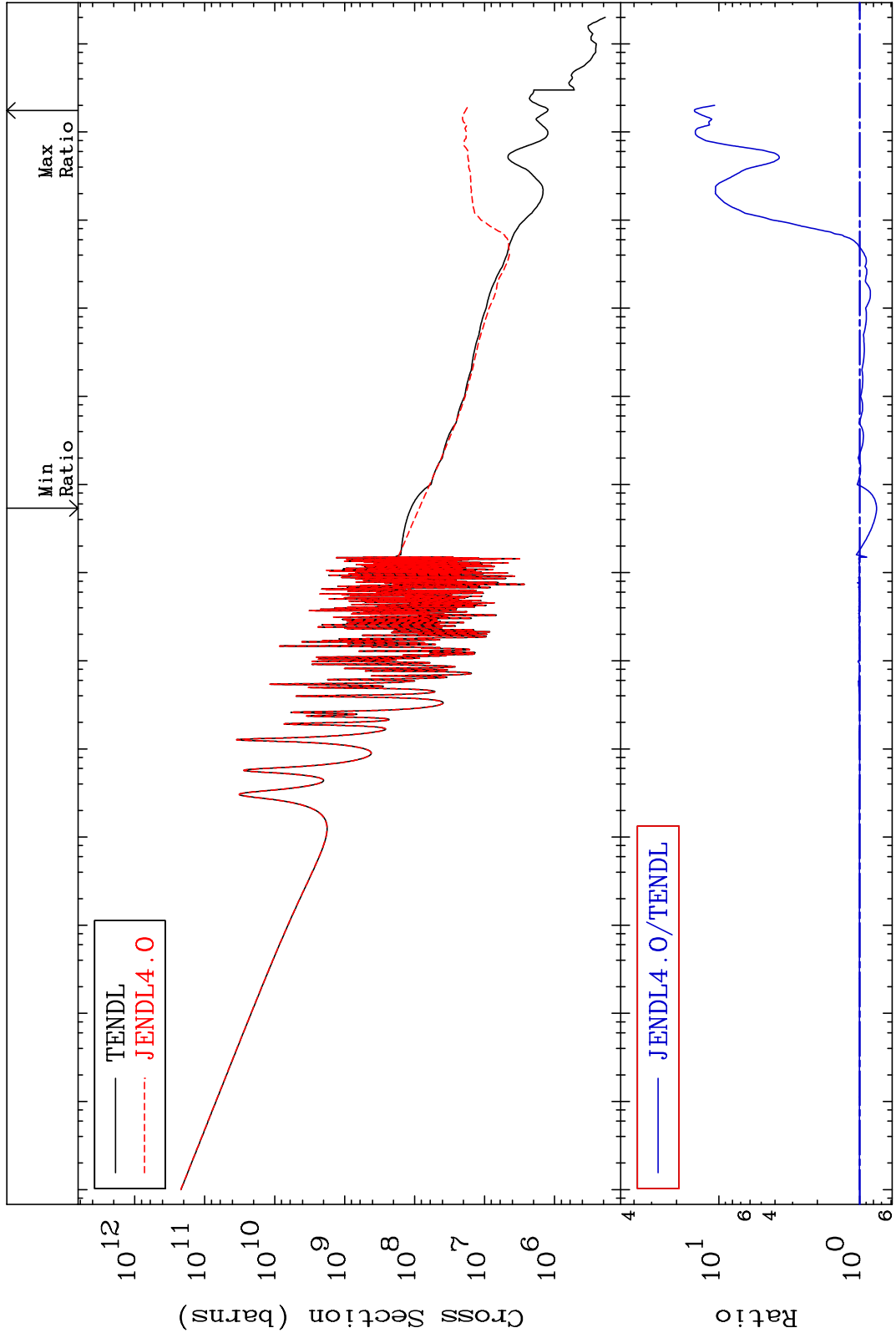
95-Am-241  
-42.26 To 155.7 %



MAT 9543

Total photon (eV-barns)  
Cross Section

95-Am-241  
-24.10 To 1392. %



39

Incident Energy (eV)

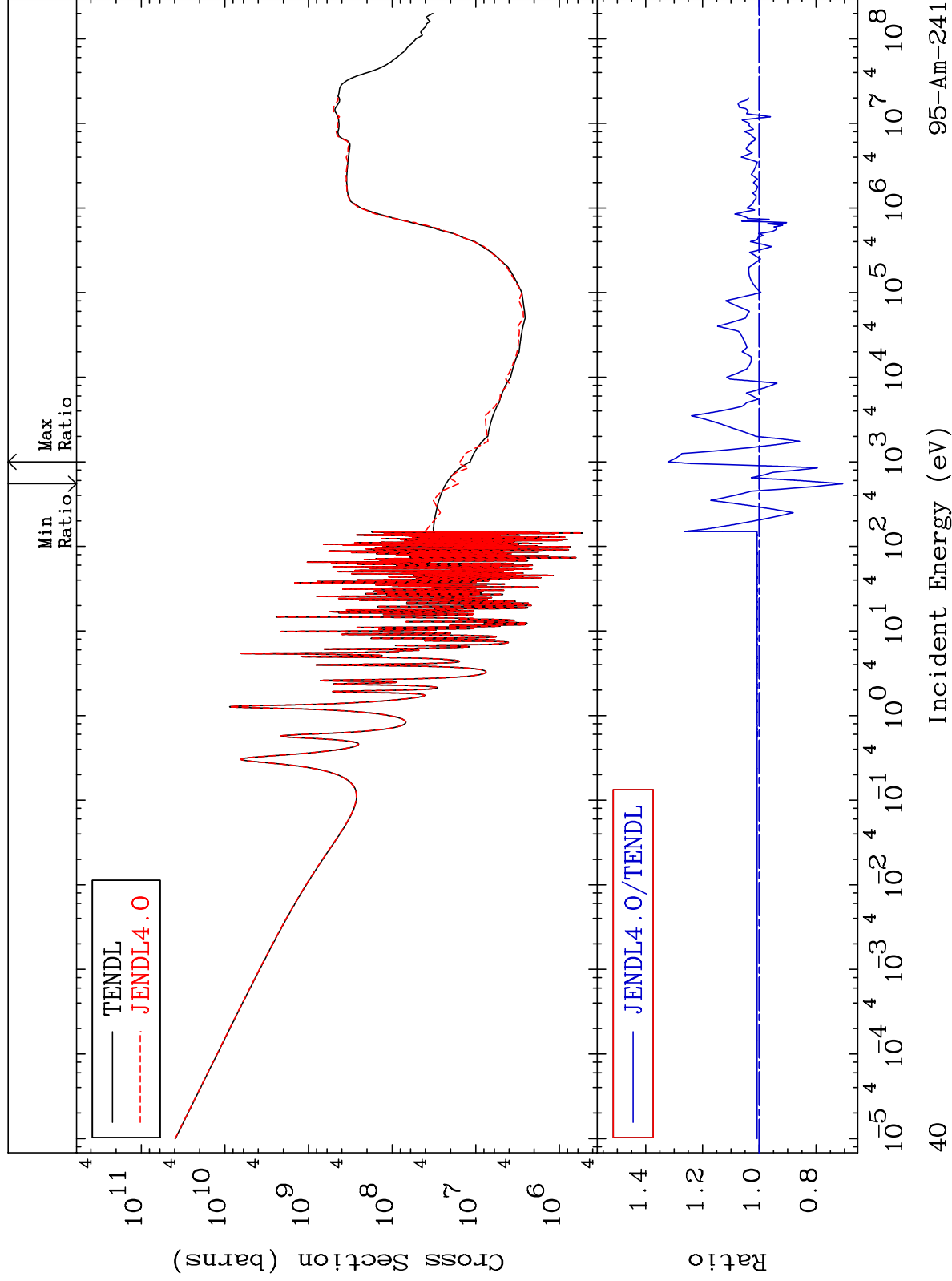
95-Am-241



MAT 9543

Total kinematic kerma (high limit)  
Cross Section

95-Am-241  
-29.41 To 32.15 %



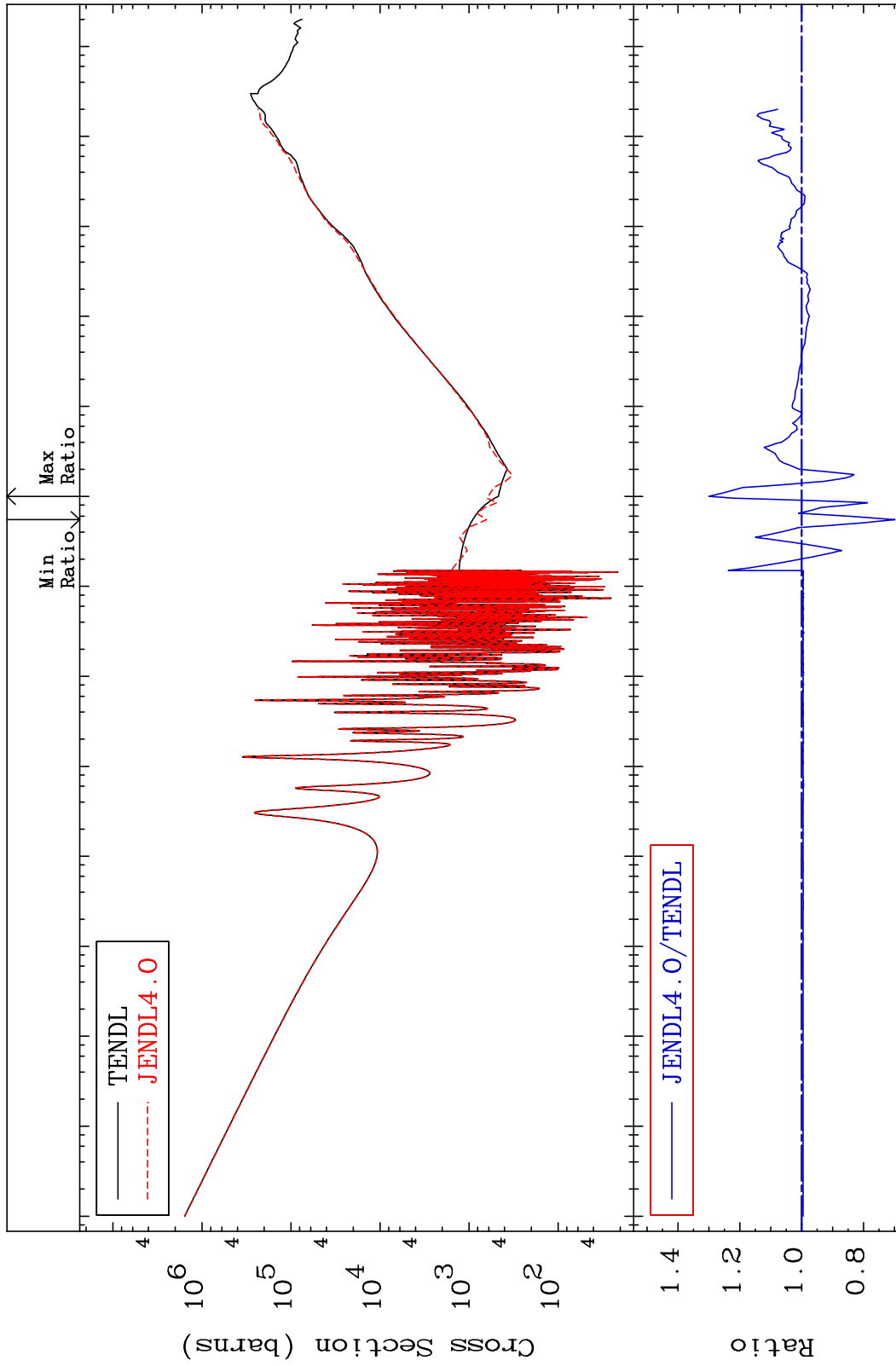
MAT 9543

Dpa total (eV-barns)

95-Am-241

-30.17 To 29.97 %

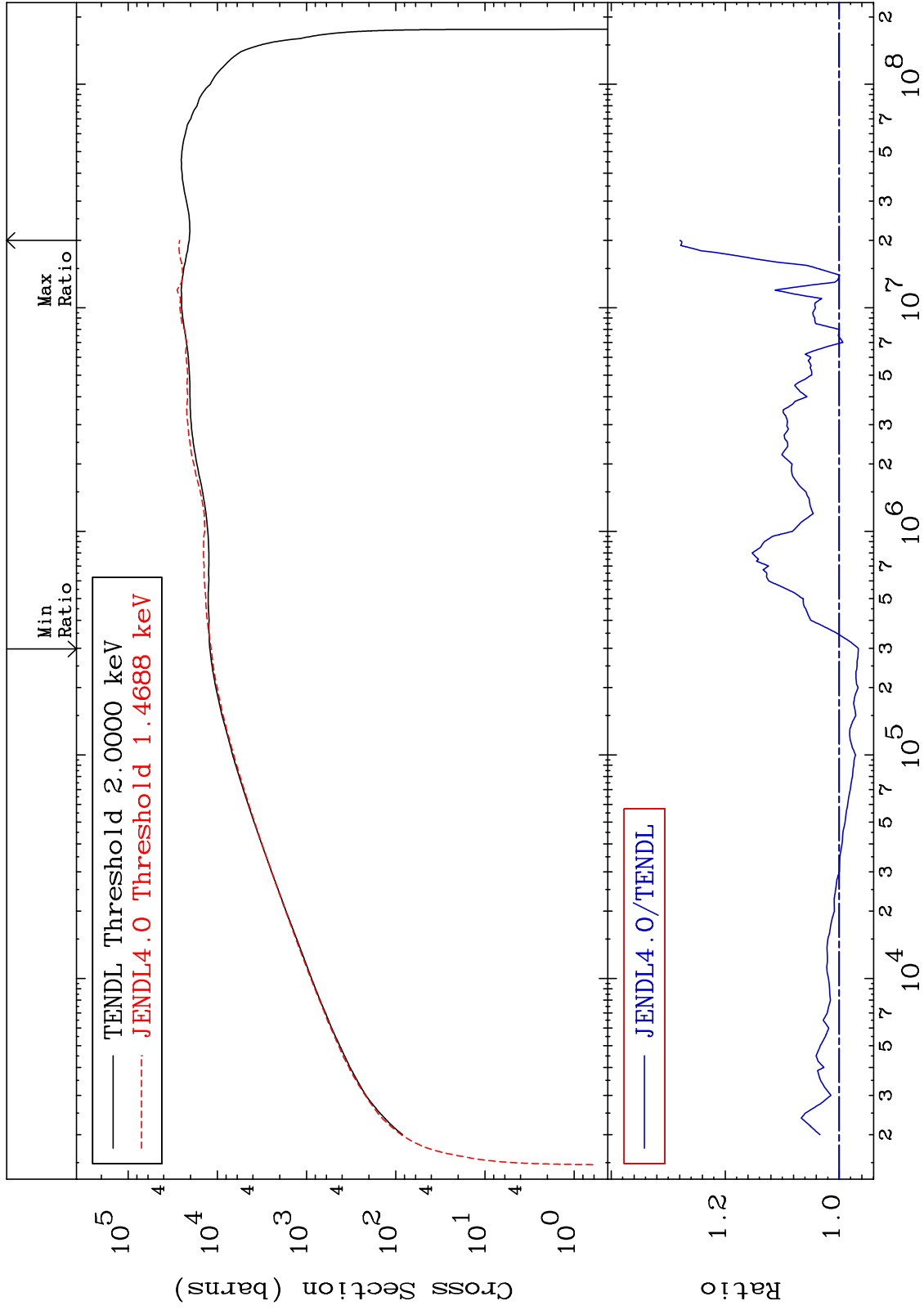
Cross Section



MAT 9543

Dpa elastic (mt2)  
Cross Section

95-Am-241  
-3.378 To 27.93 %



42

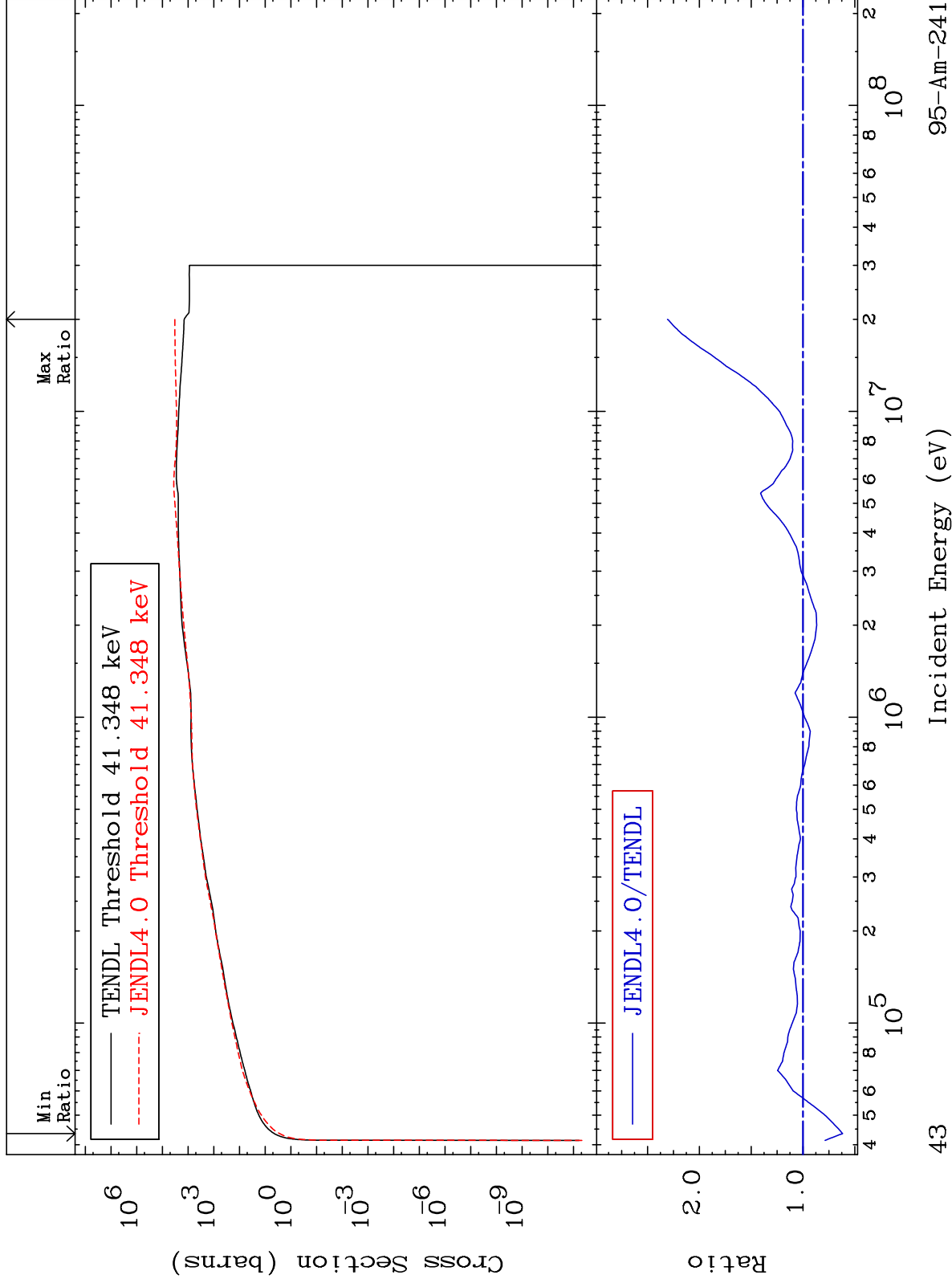
Incident Energy (eV)

95-Am-241

MAT 9543

Dpa inelastic (mt51-91)  
Cross Section

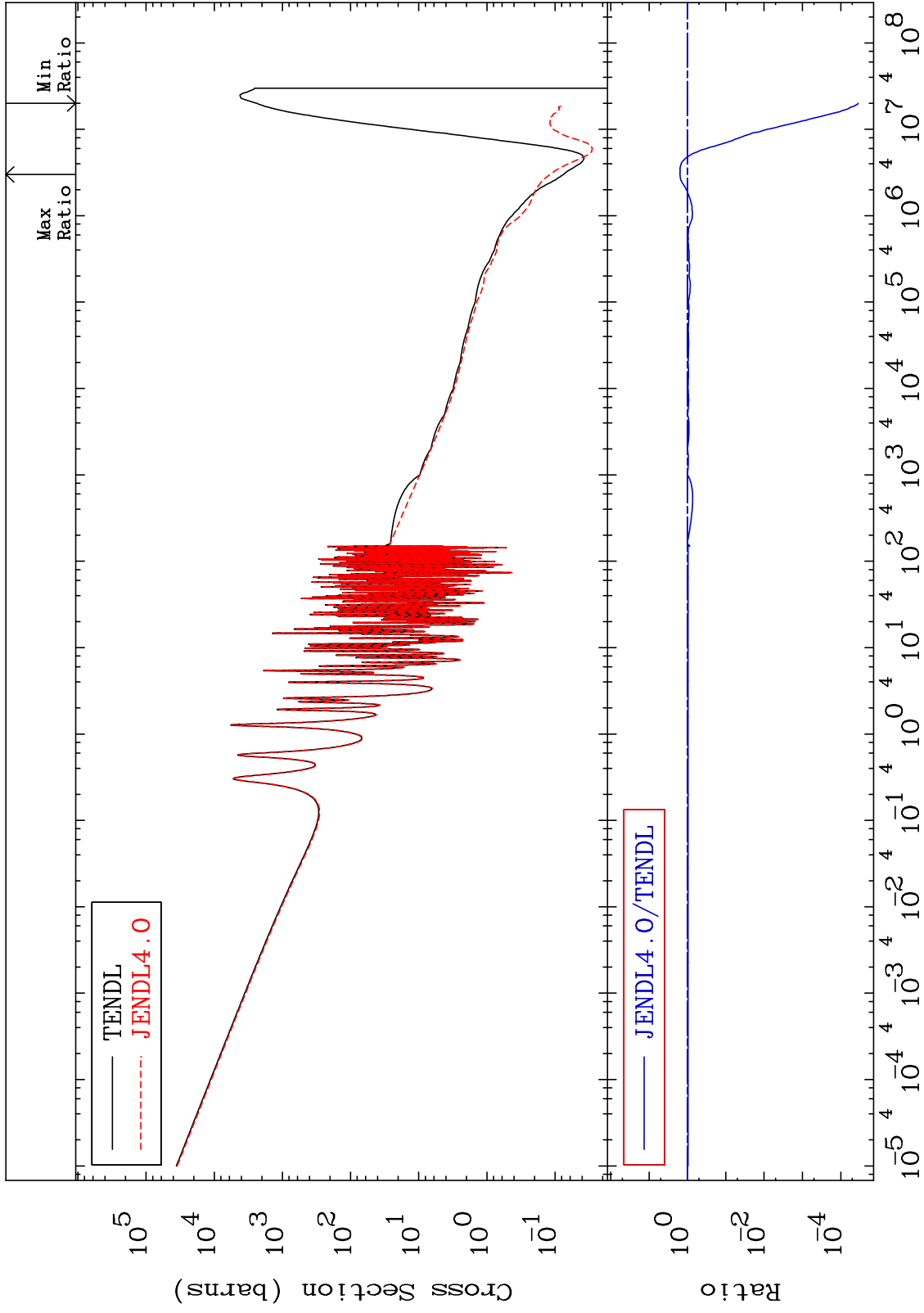
95-Am-241  
-38.33 To 130.7 %



MAT 9543

Dpa disappearance (mt102 -120)  
Cross Section

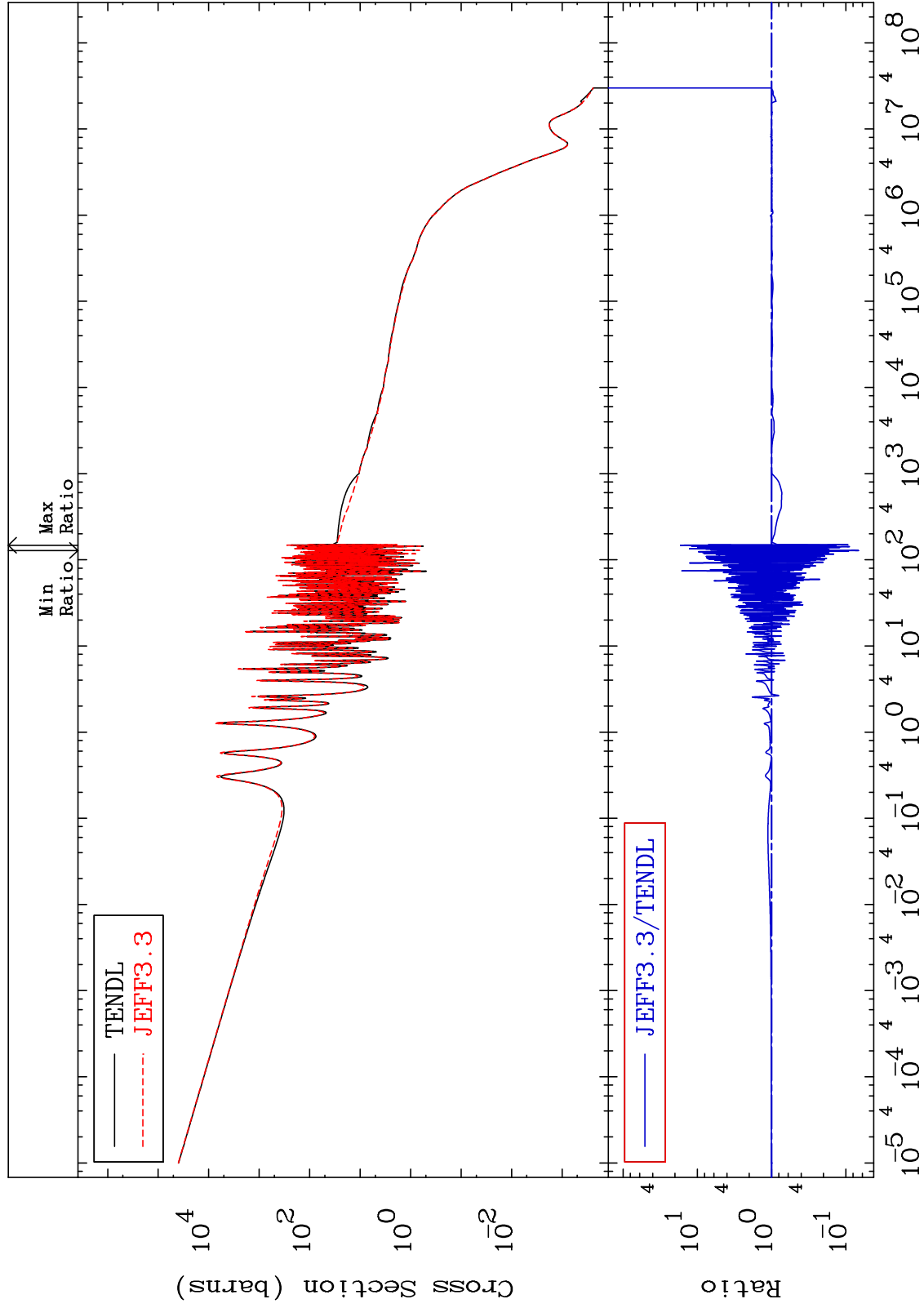
95-Am-241  
-100.0 To 58.49 %



MAT 9543

(n,  $\gamma$ )  
Cross Section

95-Am-241  
-93.25 To 1591. %



45

Incident Energy (eV)

95-Am-241

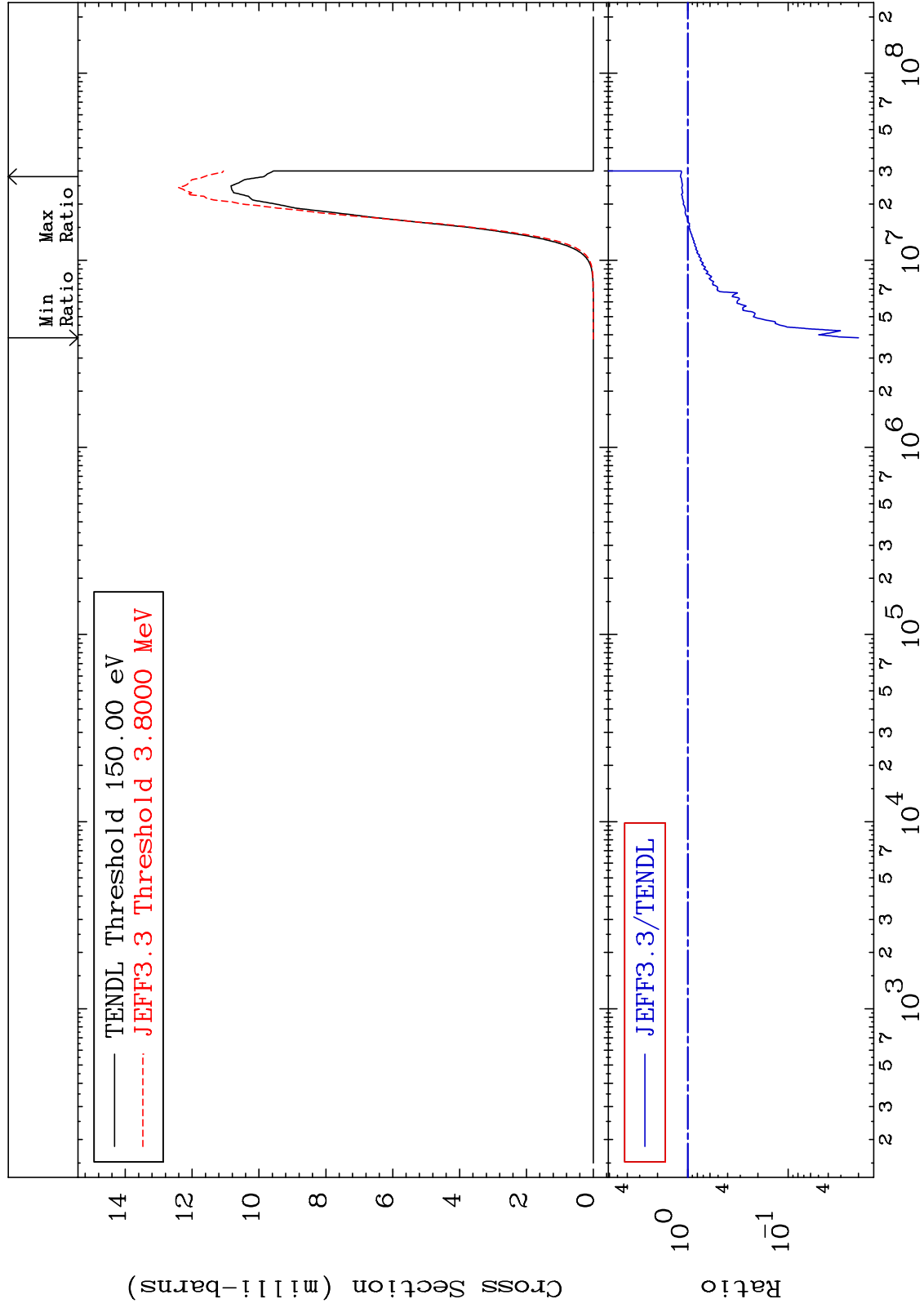
MAT 9543

(n, p)

95-Am-241

Cross Section

-98.00 To 18.03 %



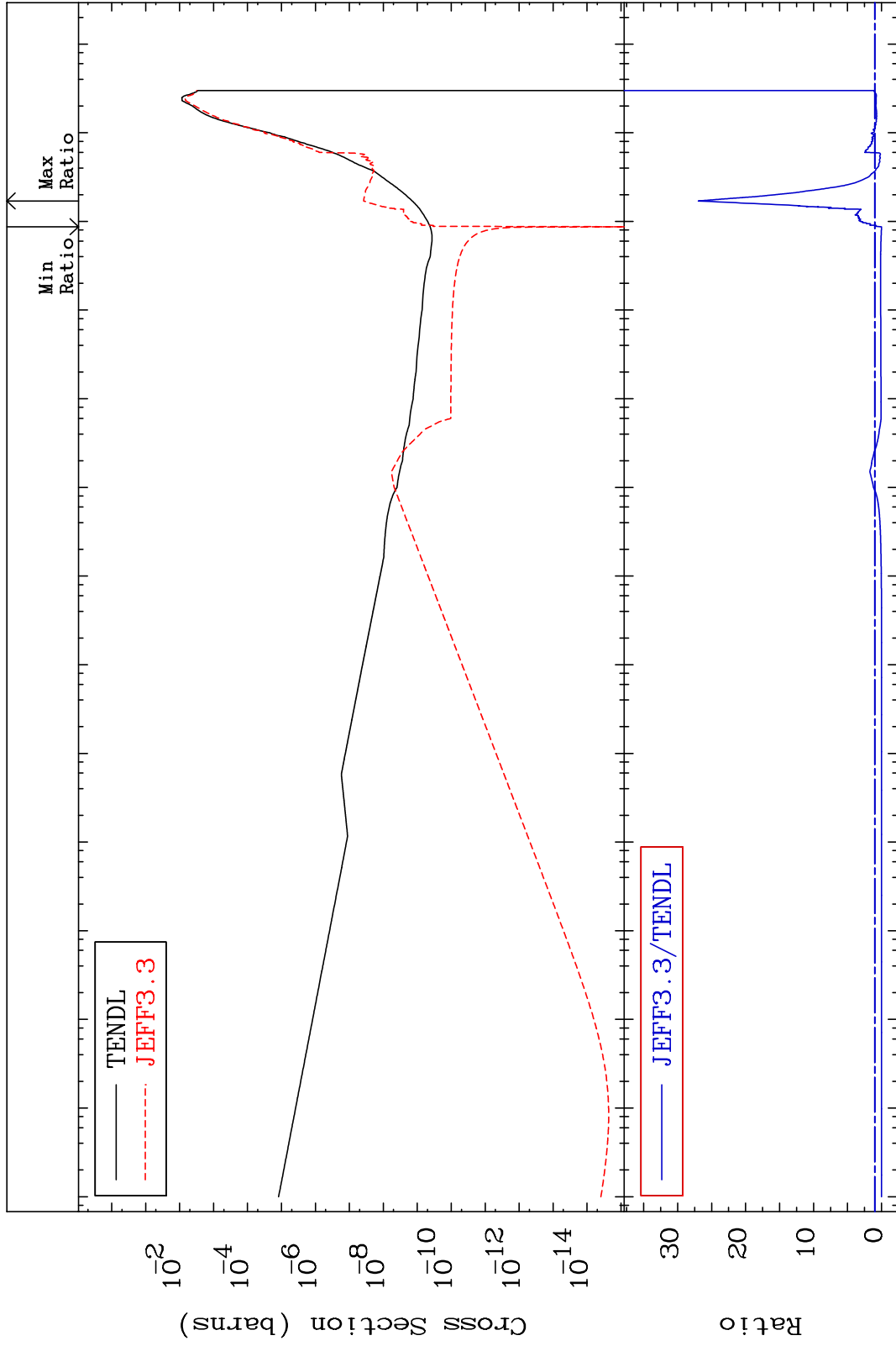
MAT 9543

(n,  $\alpha$ )

95-Am-241

Cross Section

-100.0 To 2595. %



Incident Energy (eV)

47

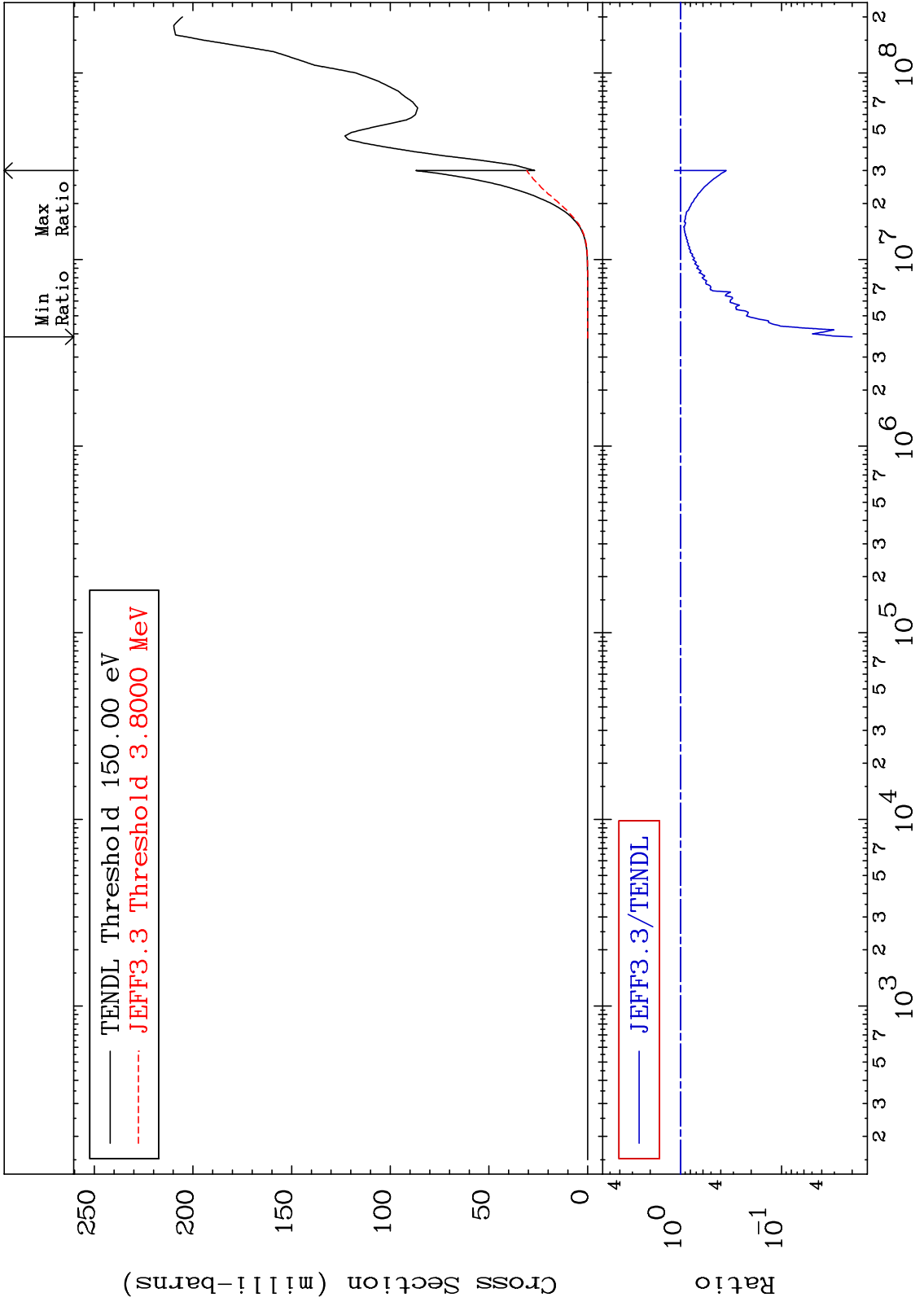
95-Am-241



MAT 9543

Hydrogen Production  
Cross Section

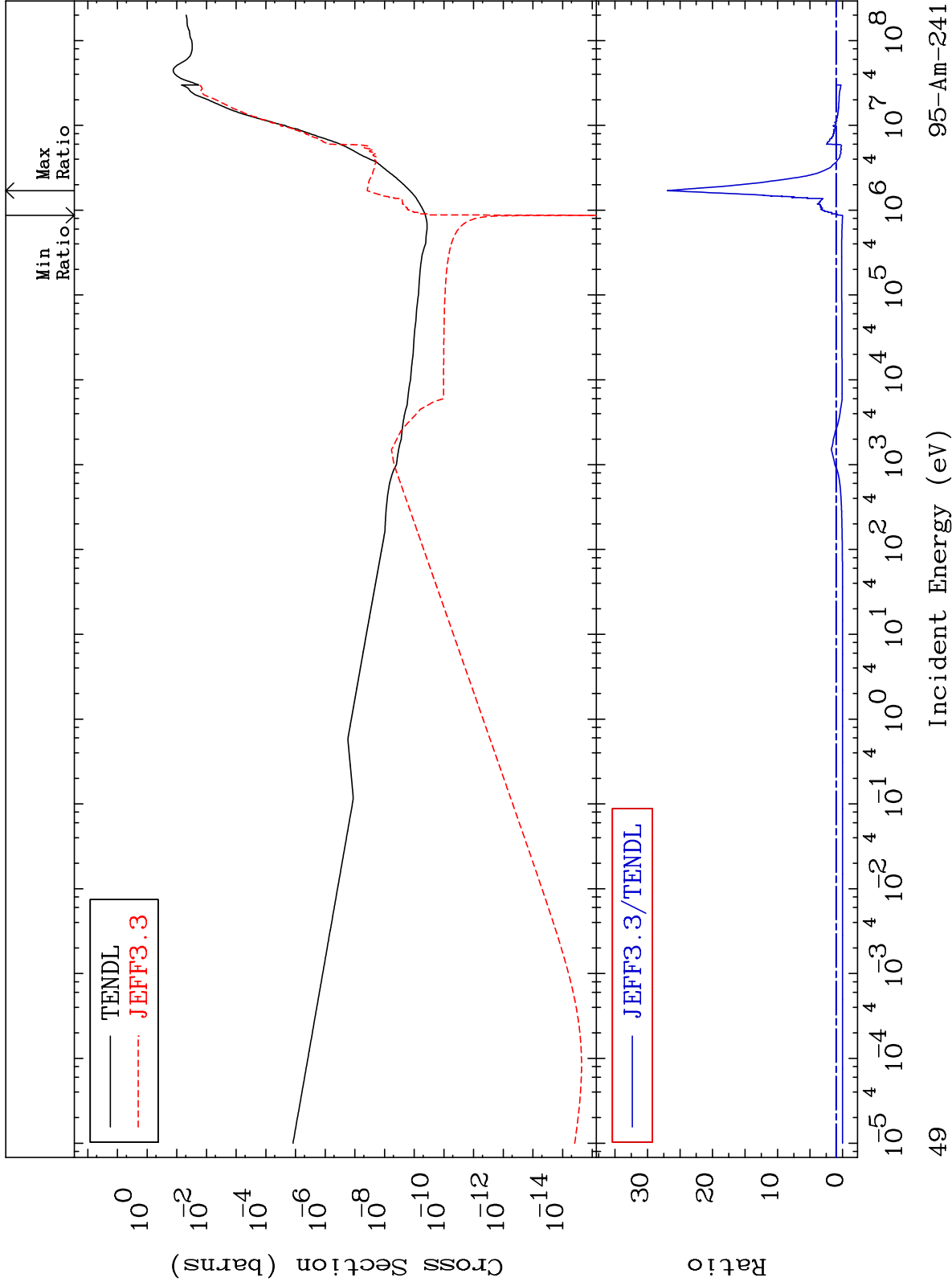
95-Am-241  
-98.00 To 14.73 %



MAT 9543

He-4 Production  
Cross Section

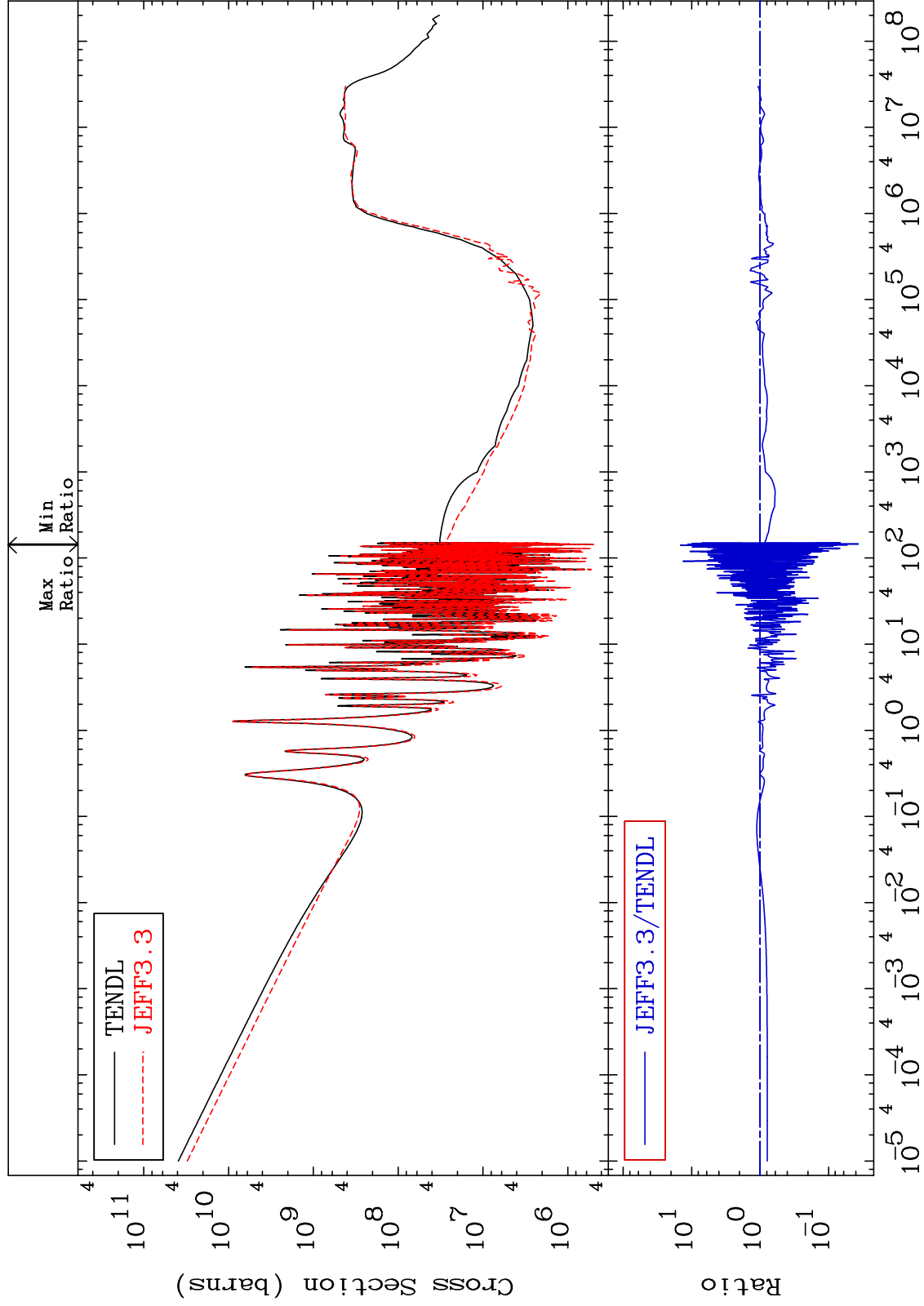
95-Am-241  
-100.0 To 2595. %



MAT 9543

Kerma total (eV-barns)  
Cross Section

95-Am-241  
-96.35 To 1356. %



50

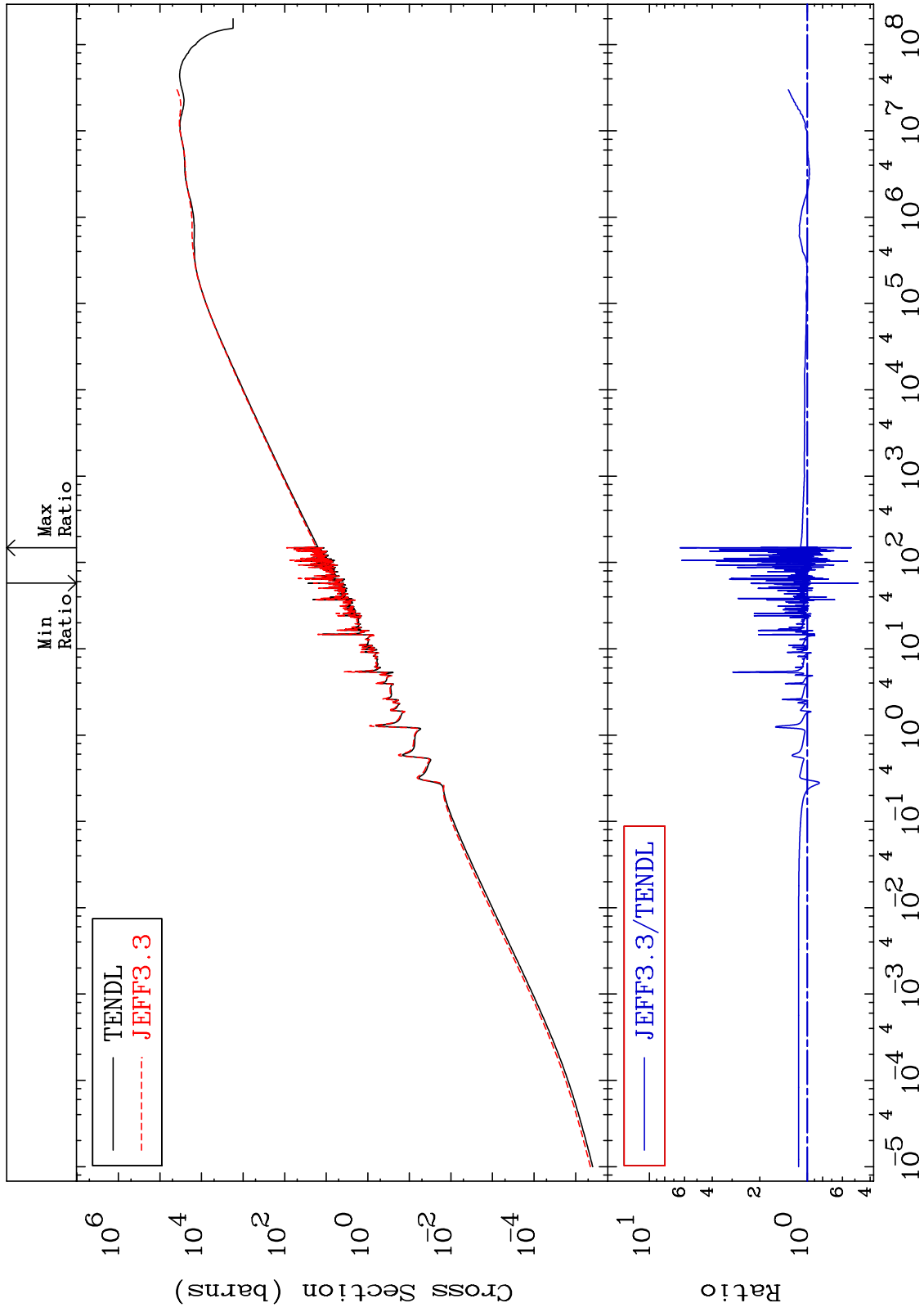
Incident Energy (eV)

95-Am-241

MAT 9543

Kerma elastic  
Cross Section

95-Am-241  
-52.52 To 540.3 %



51

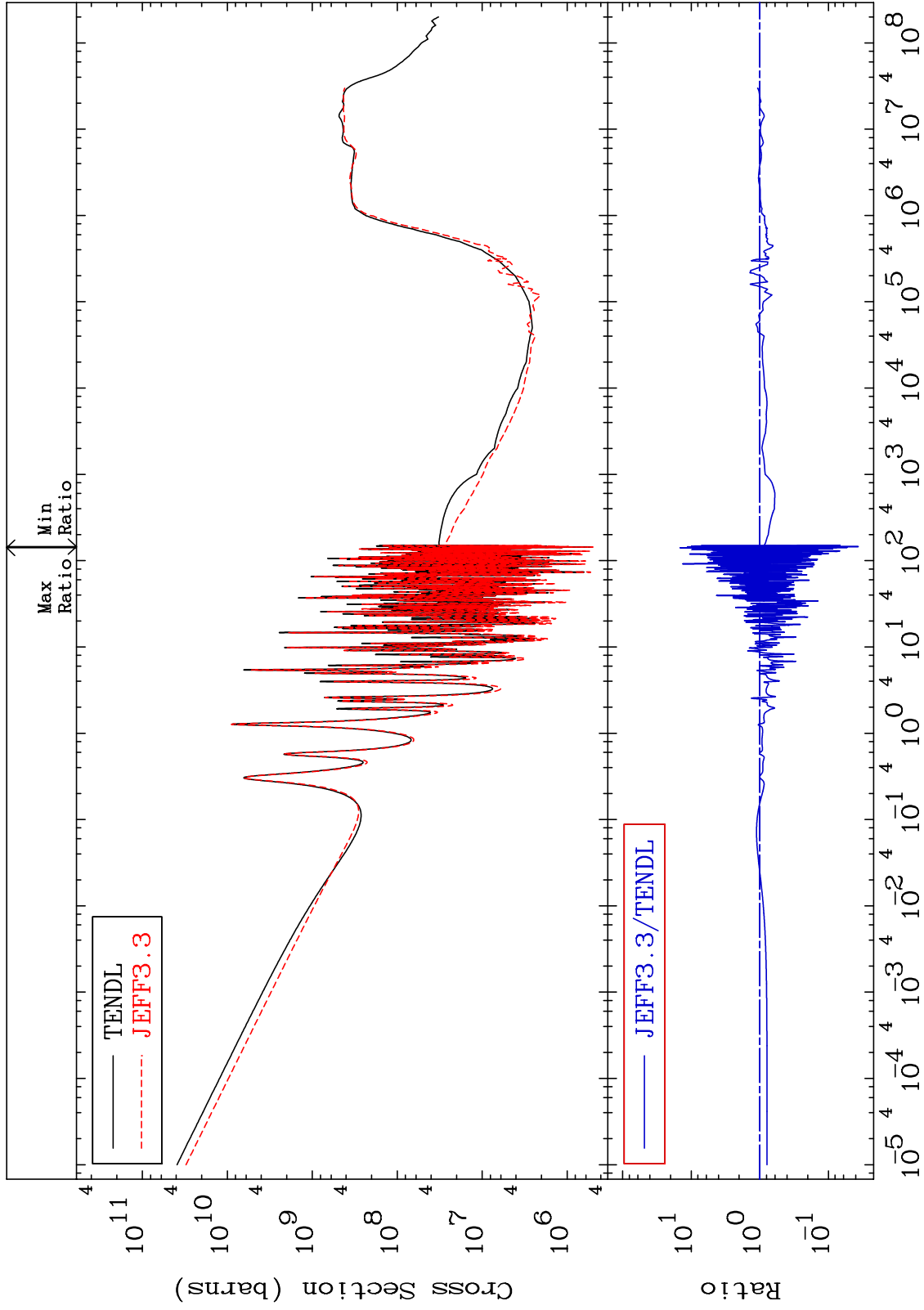
Incident Energy (eV)

95-Am-241

MAT 9543

Kerma non-elastic (all but mt2)  
Cross Section

95-Am-241  
-96.35 To 1356. %



52

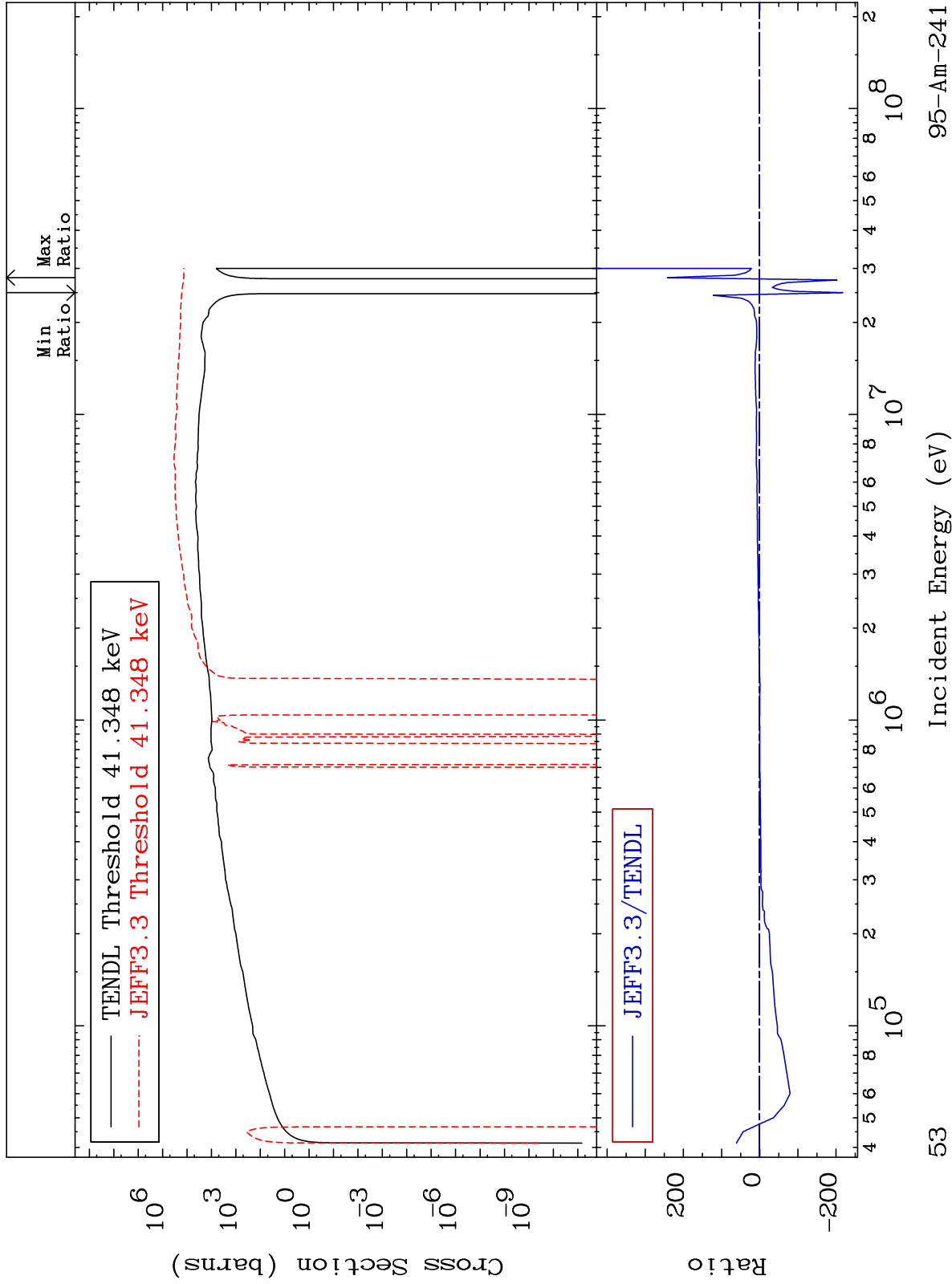
Incident Energy (eV)

95-Am-241

MAT 9543

Kerma inelastic (mt51-91)  
Cross Section

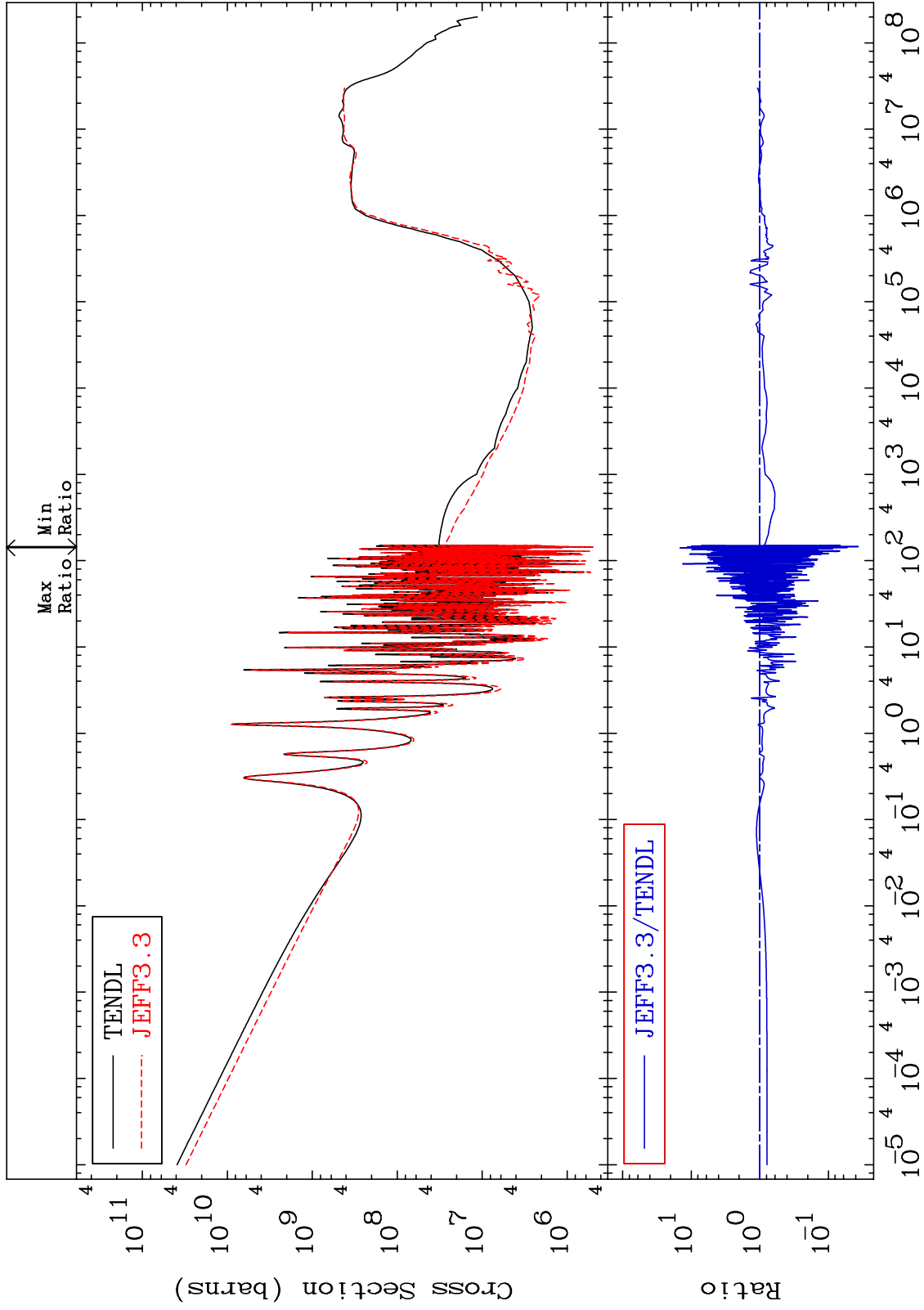
95-Am-241  
-9999. To 9999. %



MAT 9543

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

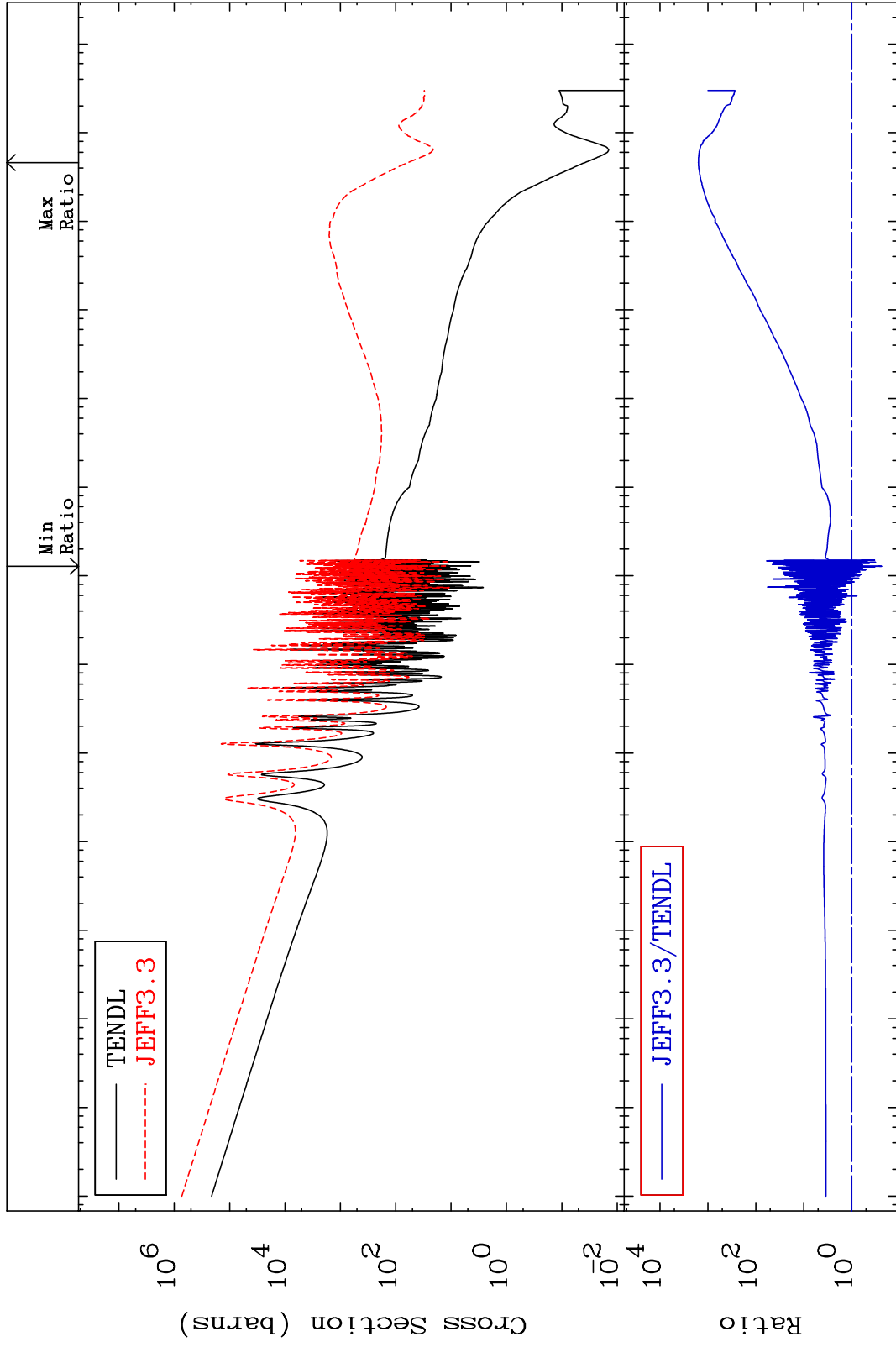
95-Am-241  
-96.35 To 1356. %



MAT 9543

Kerma capture (mt102)  
Cross Section

95-Am-241  
-76.30 To 9999. %



55

Incident Energy (eV)

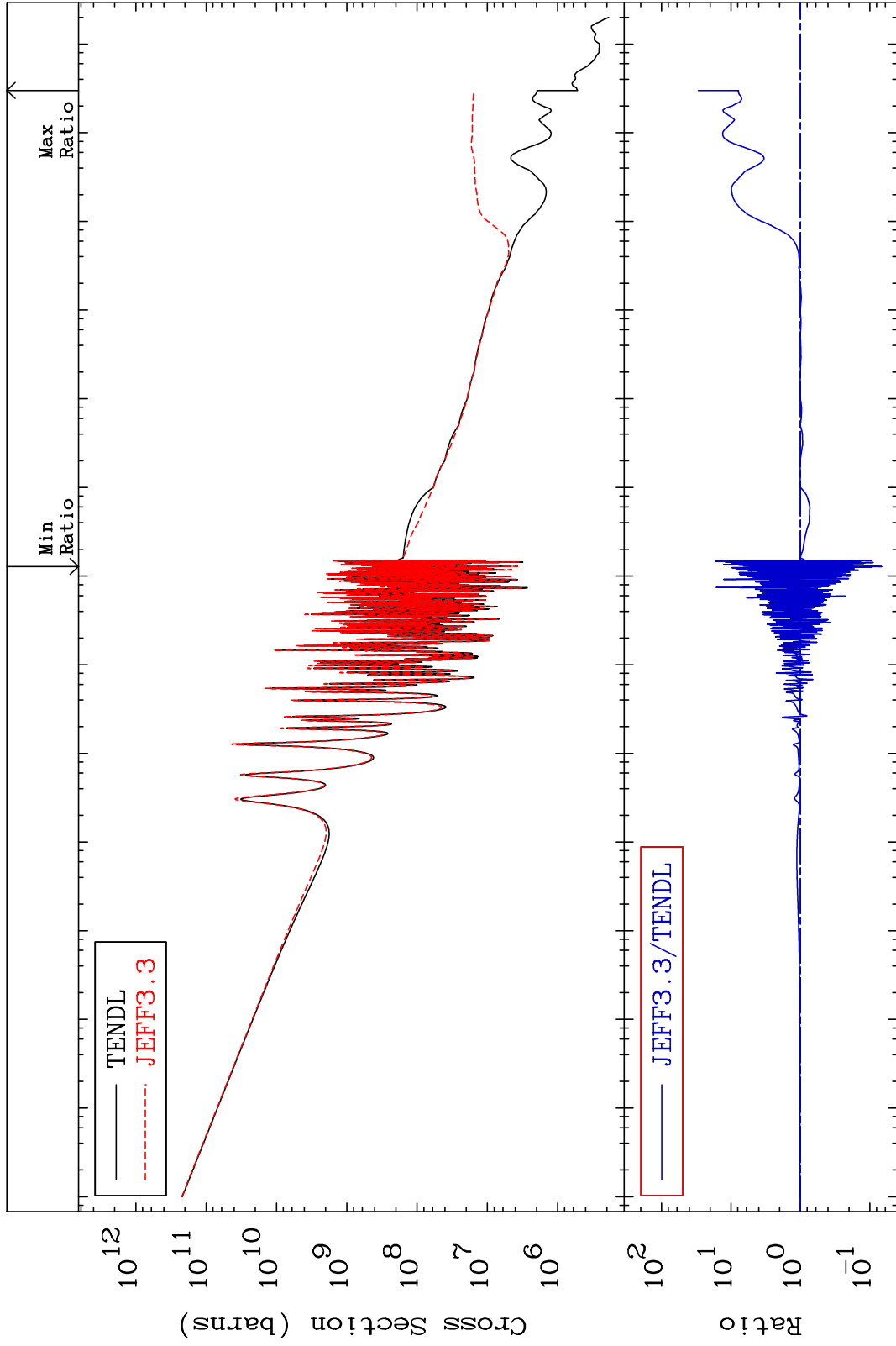
95-Am-241



MAT 9543

Total photon (eV-barns)  
Cross Section

95-Am-241  
-93.22 To 2857. %



56

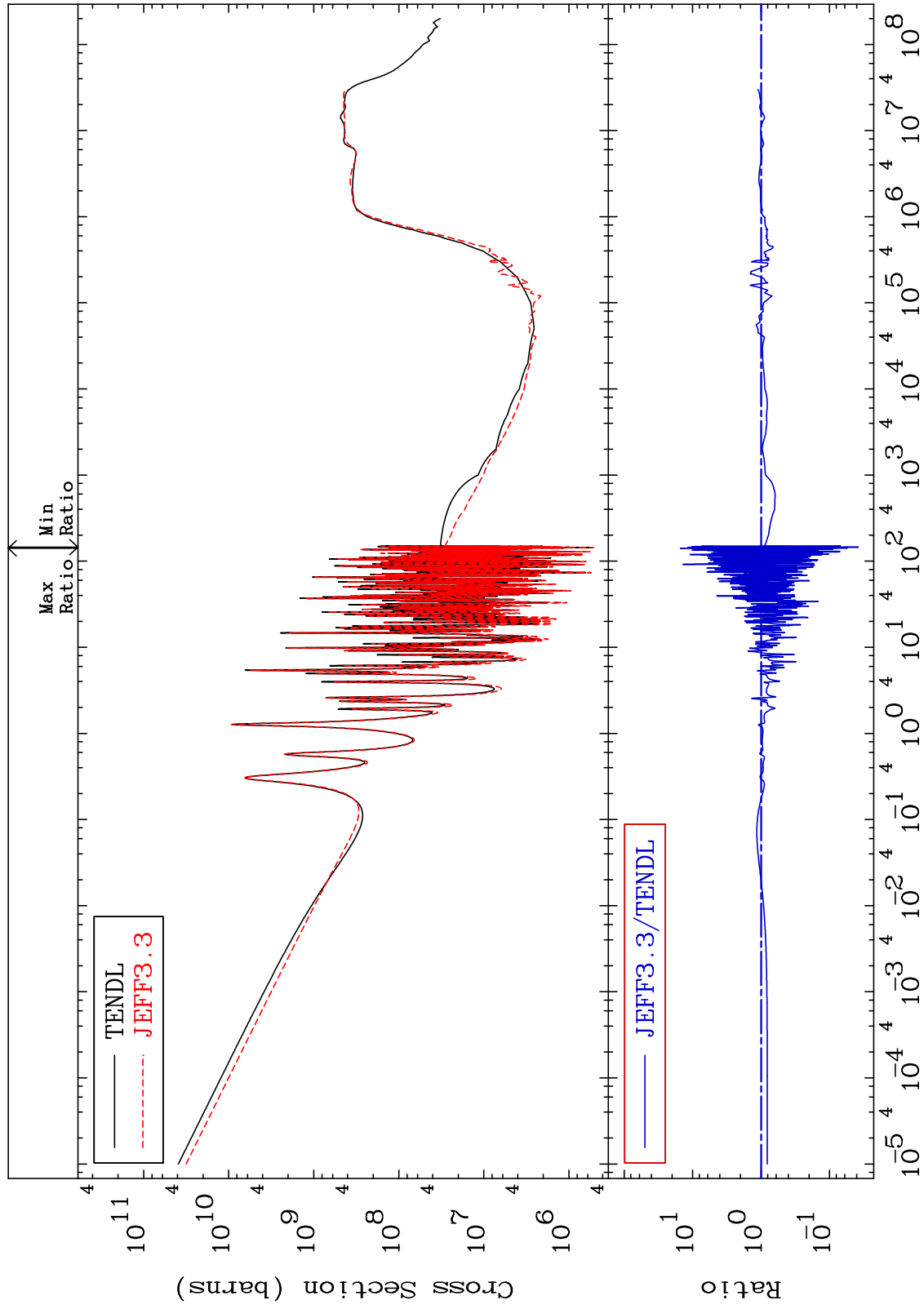
Incident Energy (eV)

95-Am-241

MAT 9543

Total kinematic kerma (high limit)  
Cross Section

95-Am-241  
-96.23 To 1407. %



57

Incident Energy (eV)

95-Am-241

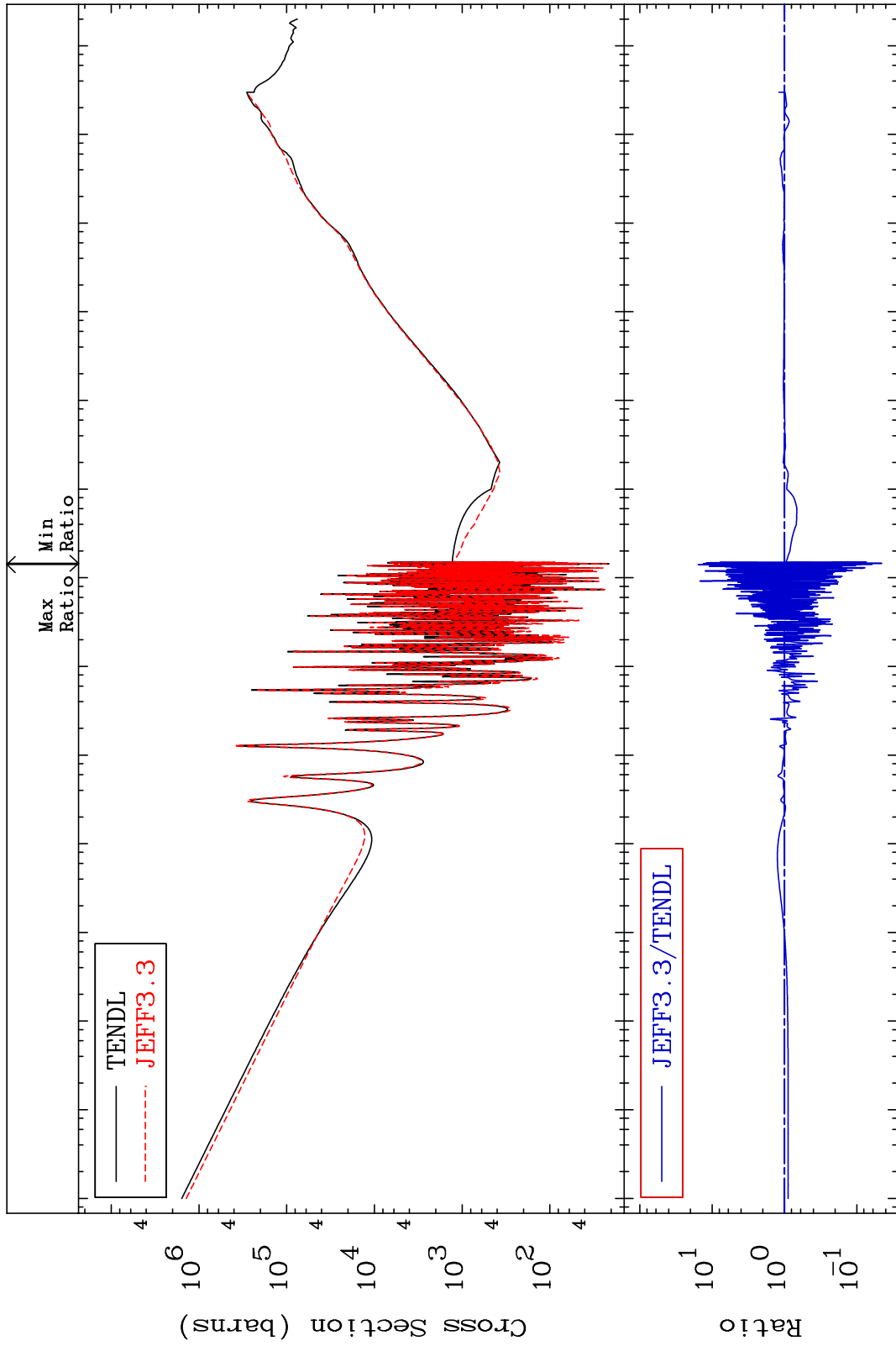
MAT 9543

Dpa total (eV-barns)

95-Am-241

-95.44 To 1456. %

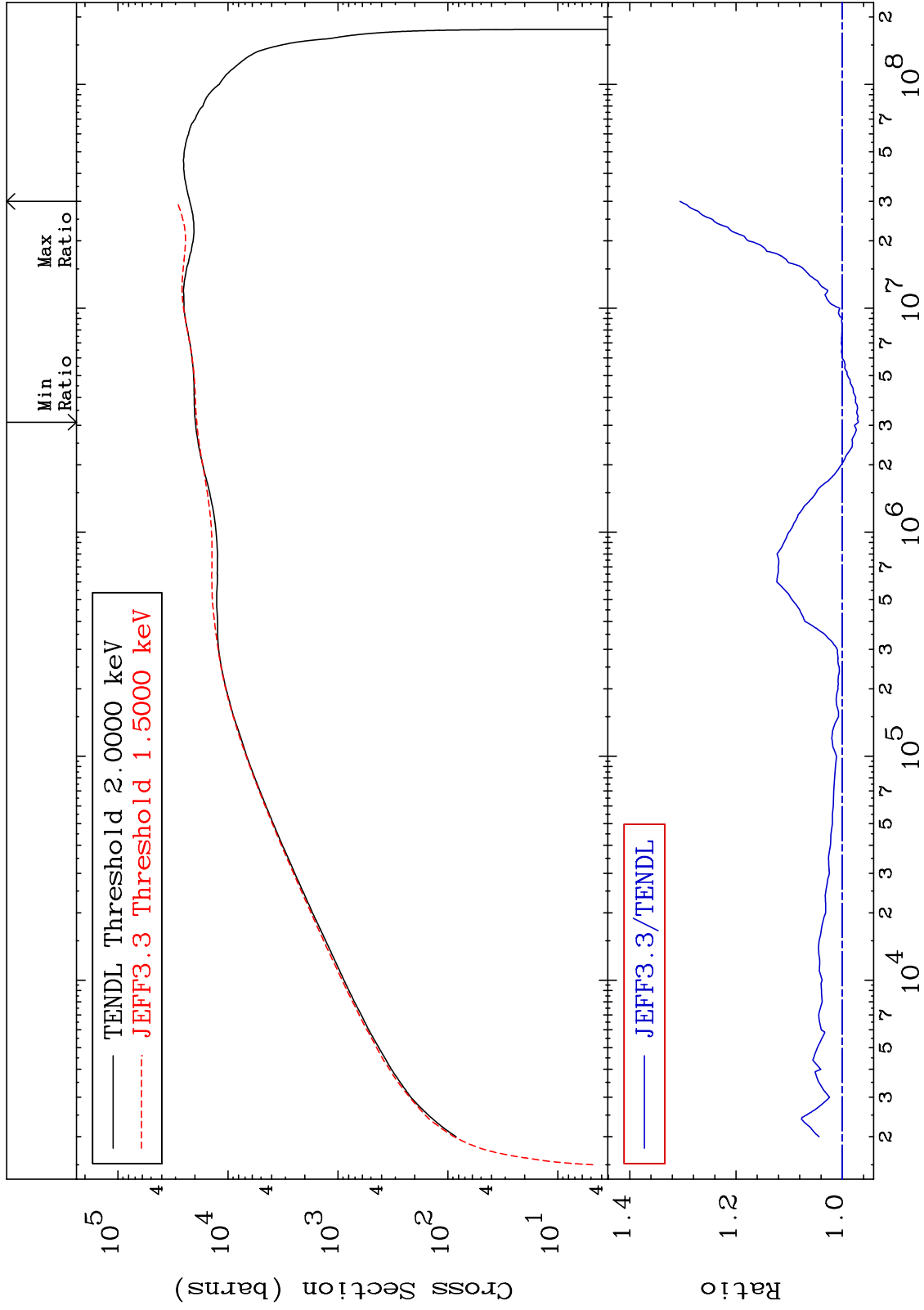
Cross Section



MAT 9543

Dpa elastic (mt2)  
Cross Section

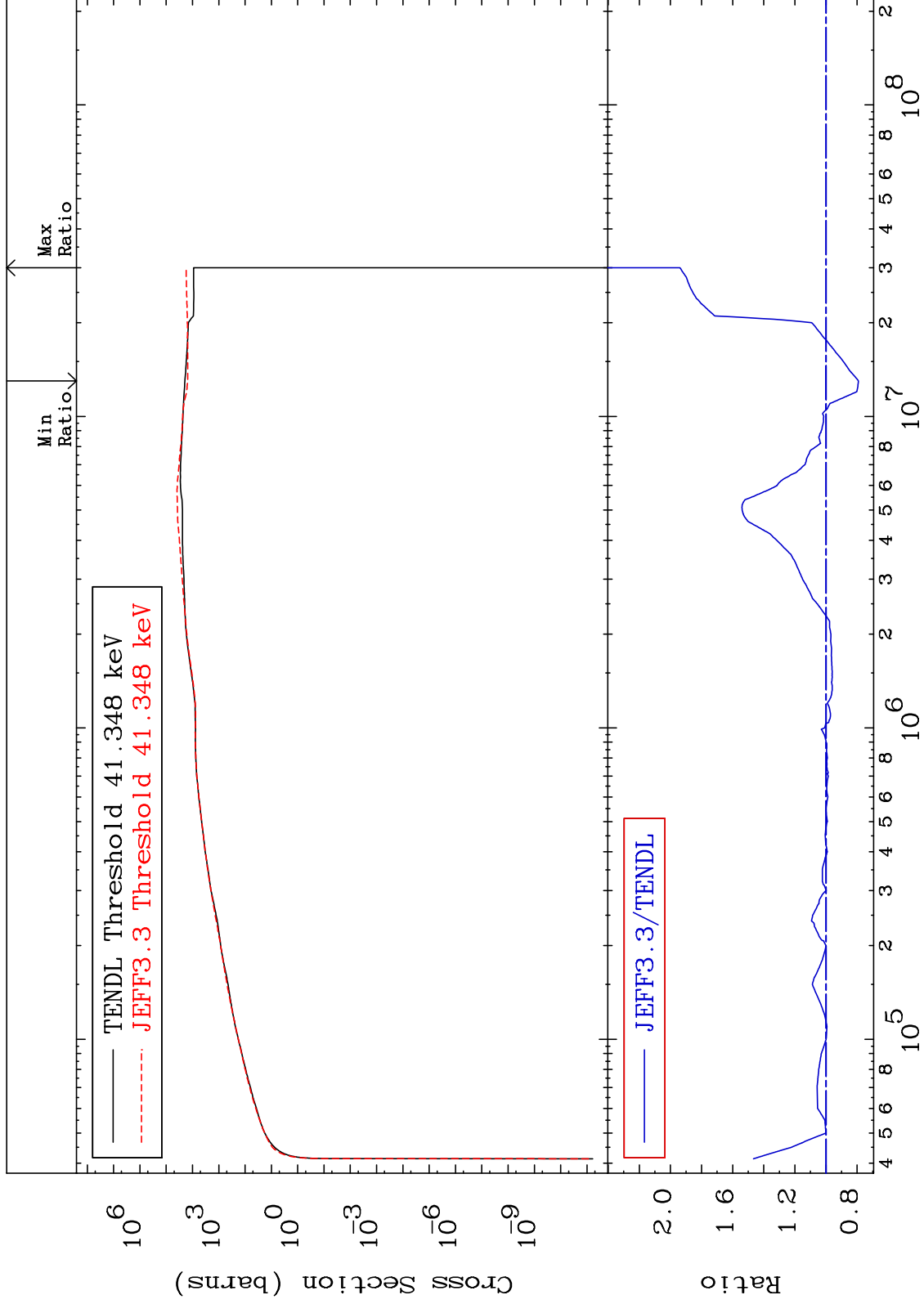
95-Am-241  
-3.039 To 30.53 %



MAT 9543

Dpa inelastic (mt51-91)  
Cross Section

95-Am-241  
-20.83 To 93.85 %



60

95-Am-241

MAT 9543

Dpa disappearance (mt102 -120)

95-Am-241  
-75.14 To 6128. %

