

Program Complot
(Version 2018-1)

by

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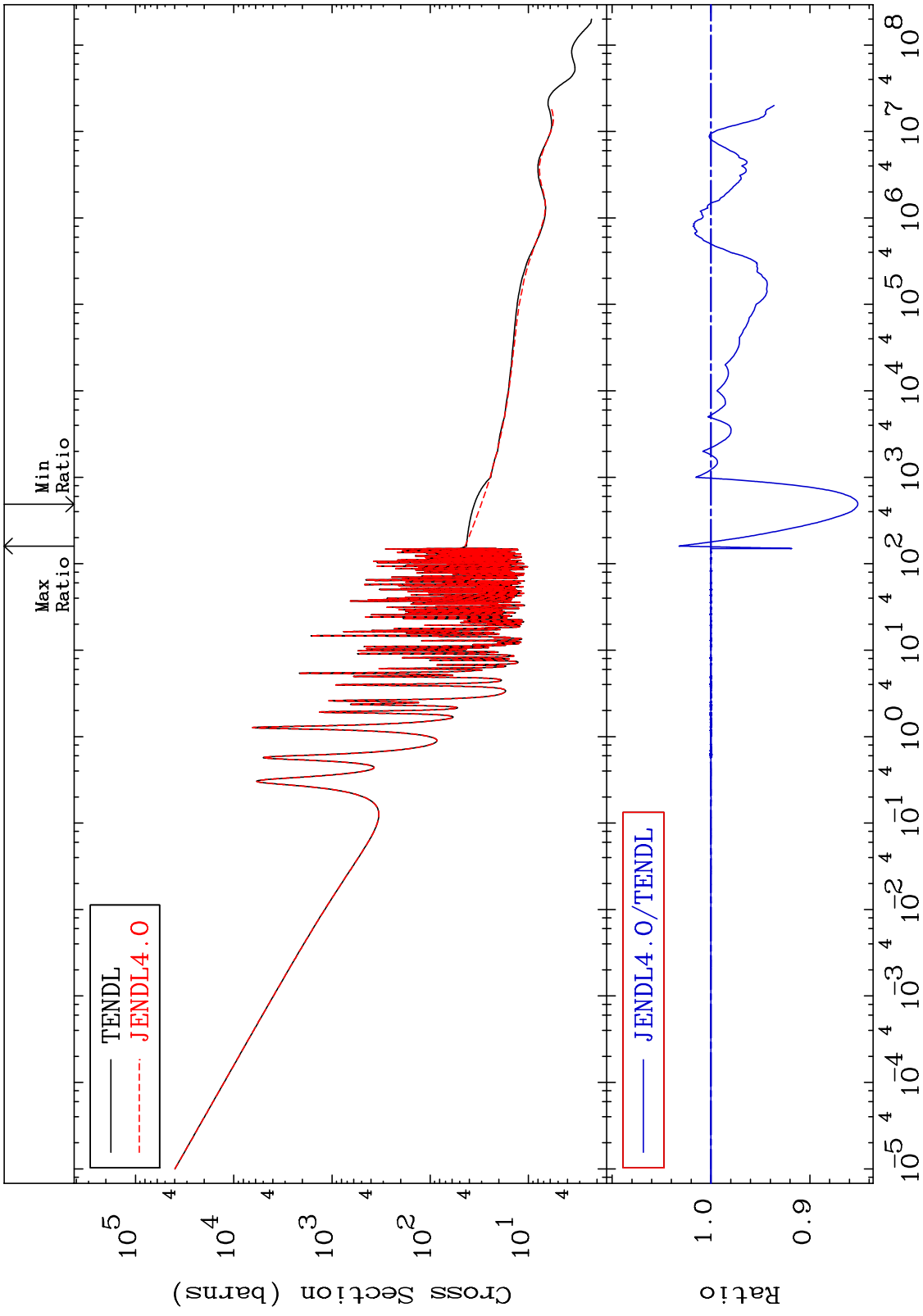
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9543 95-Am-241
Total -14.85 To 3.229 %
Cross Section

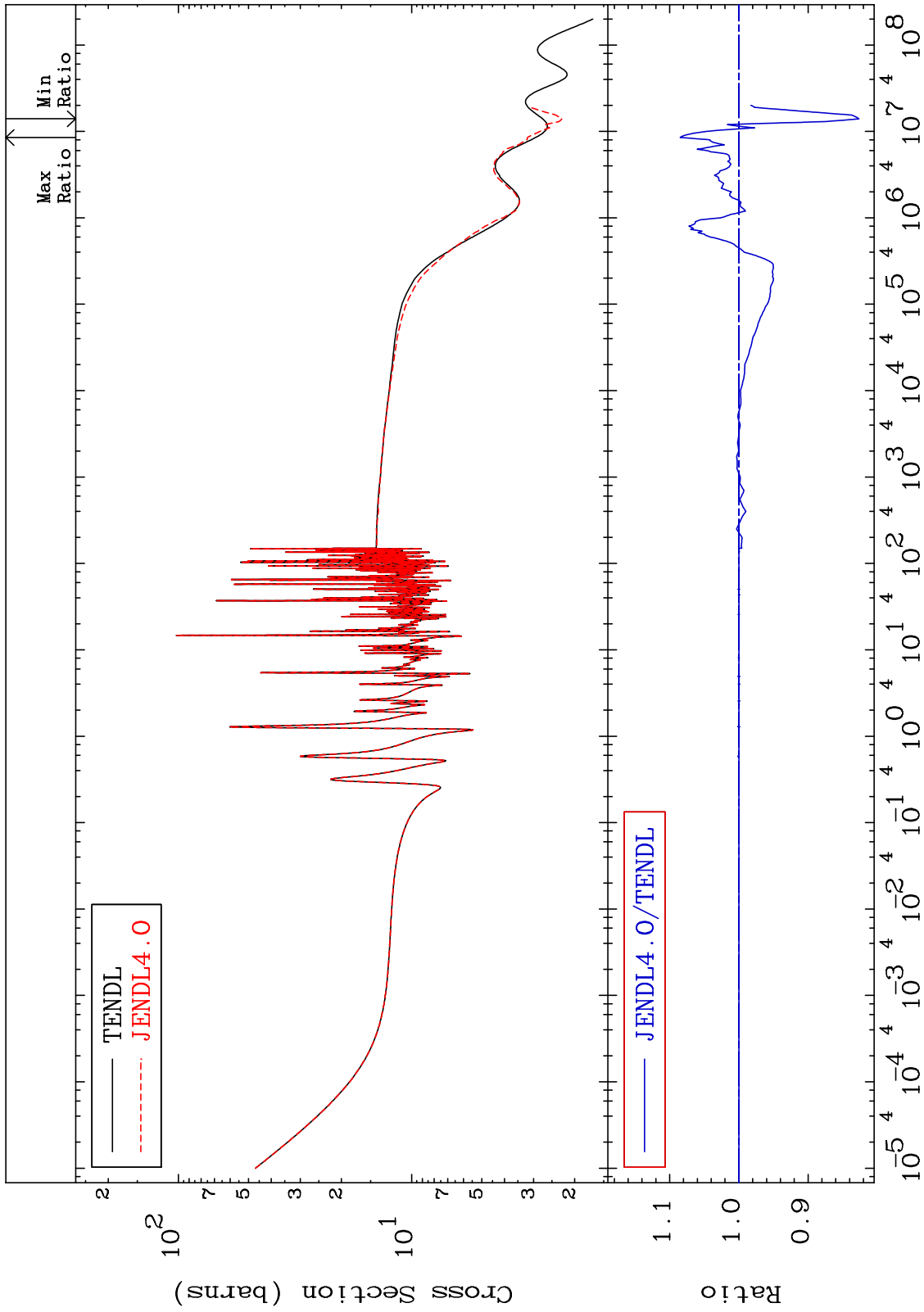


1 95-Am-241

MAT 9543

Elastic
Cross Section

95-Am-241
-17.34 To 8.476 %

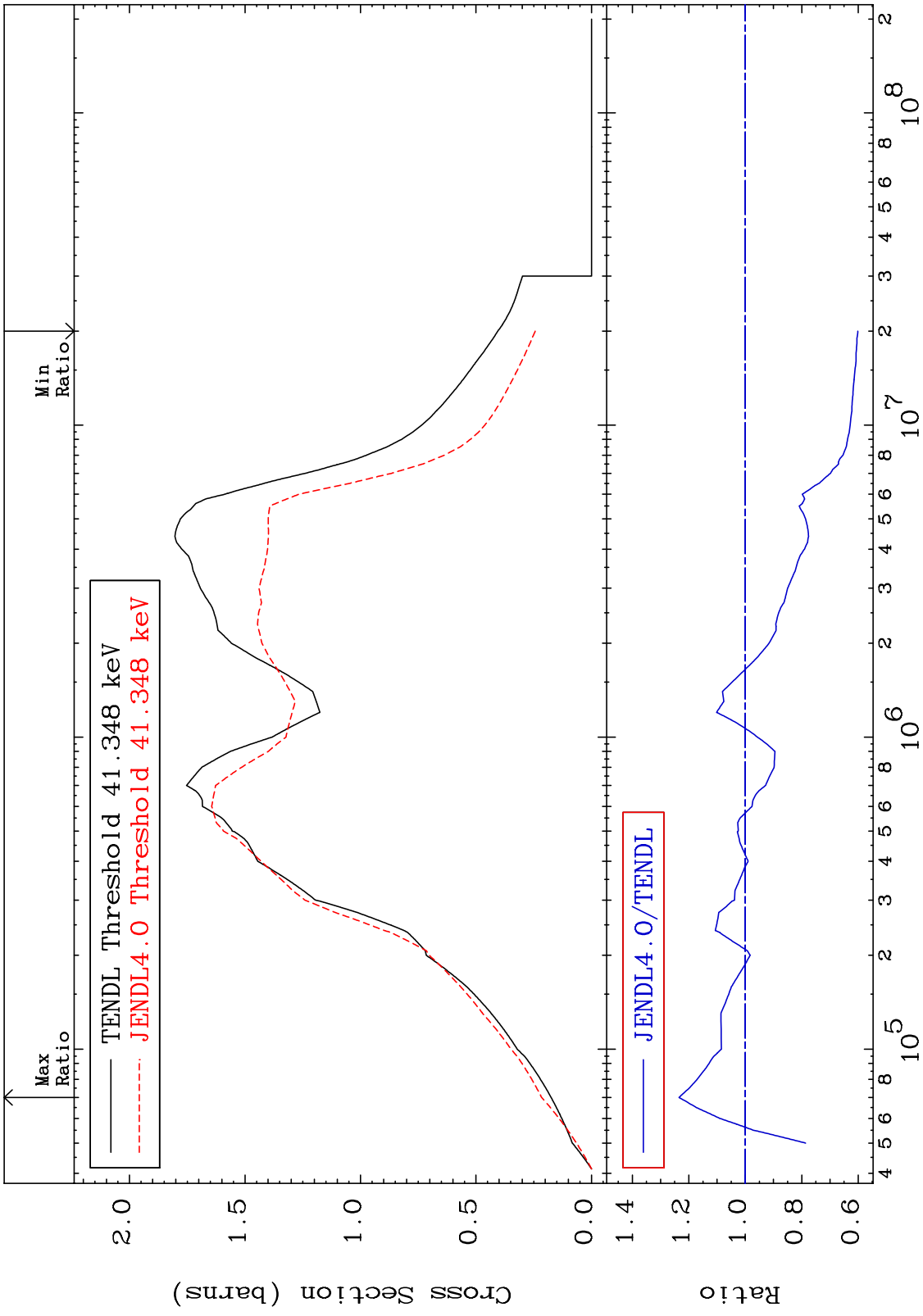


2

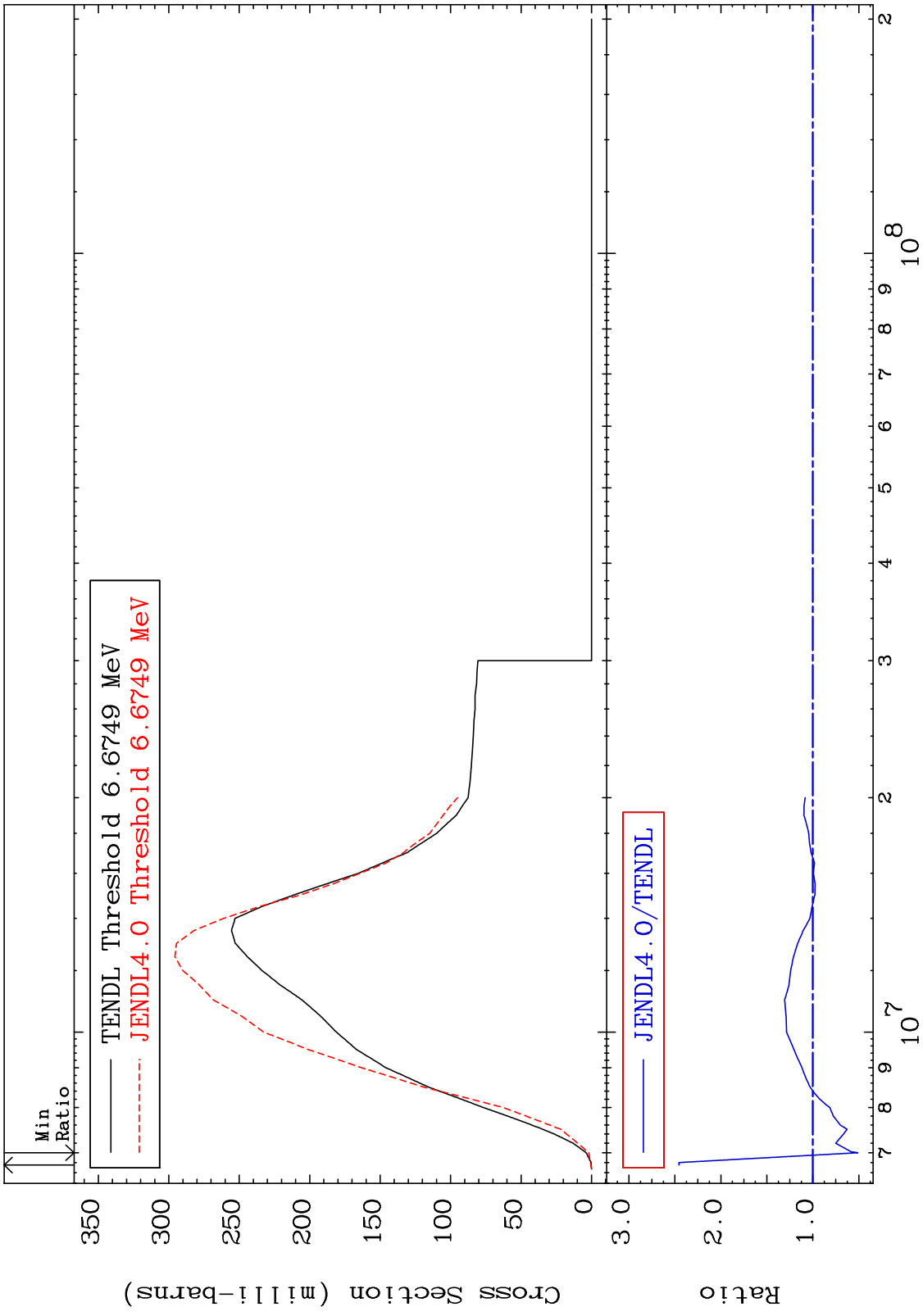
Incident Energy (eV)

95-Am-241

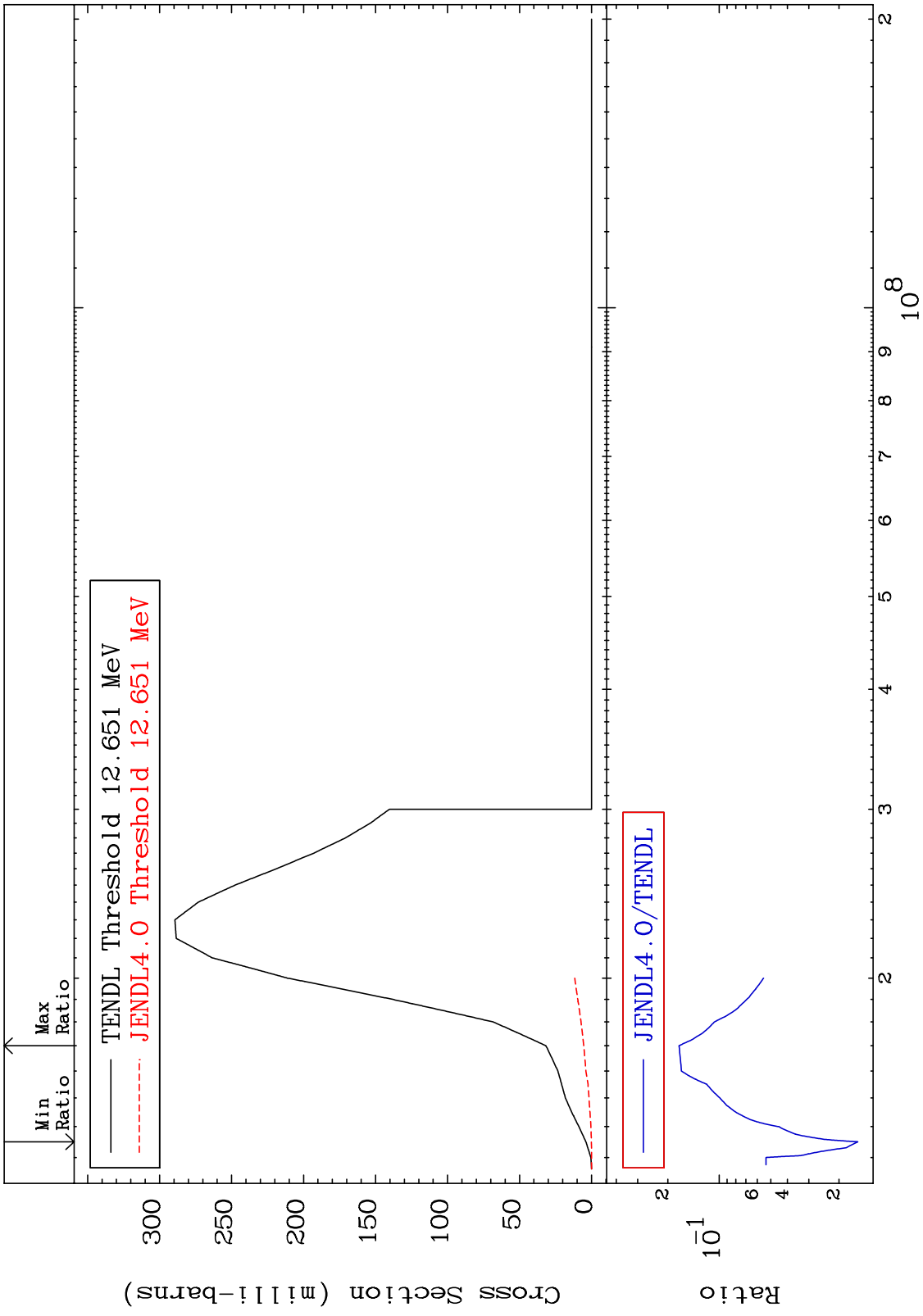
MAT 9543 Inelastic Cross Section 95-Am-241 -39.88 To 23.47 %



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



MAT 9543 $(n, 3n)$ Cross Section $^{95}\text{Am-241}$ $-98.45\text{ To }-82.82\%$

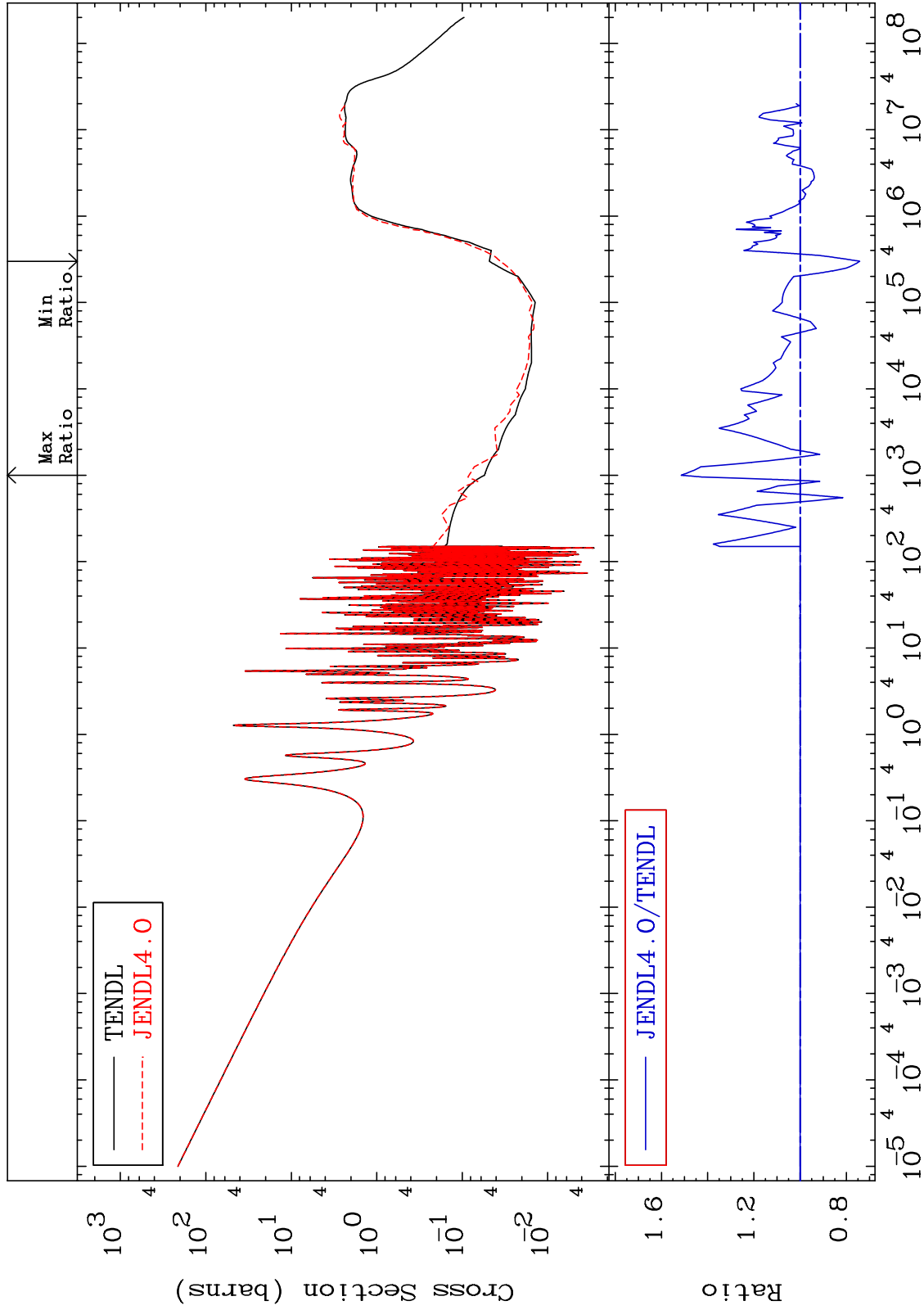


MAT 9543

Fission

95-Am-241

-25.74 To 51.43 %



6

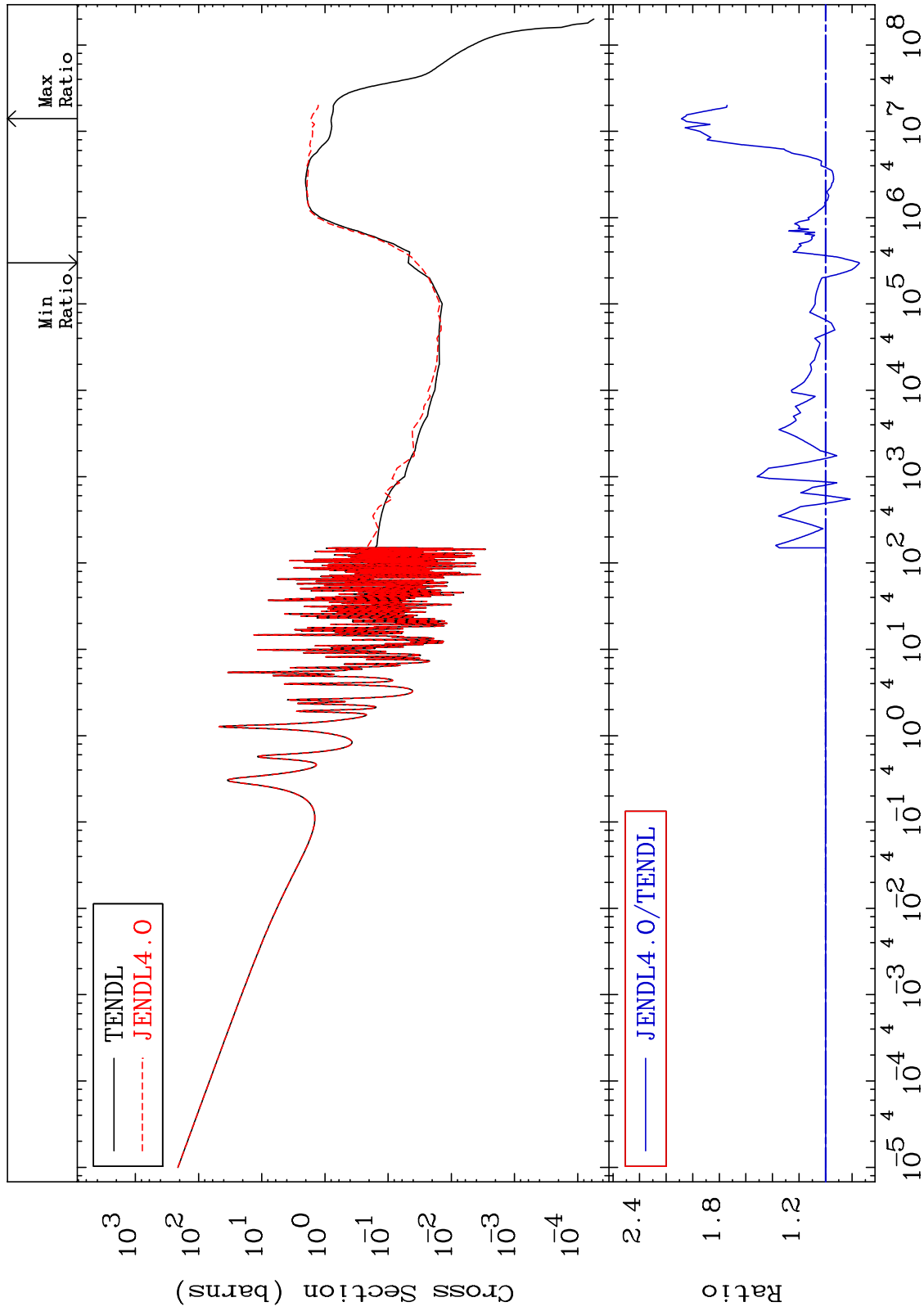
Incident Energy (eV)

95-Am-241

MAT 9543

(n,f) First Chance
Cross Section

95-Am-241
-25.74 To 108.6 %

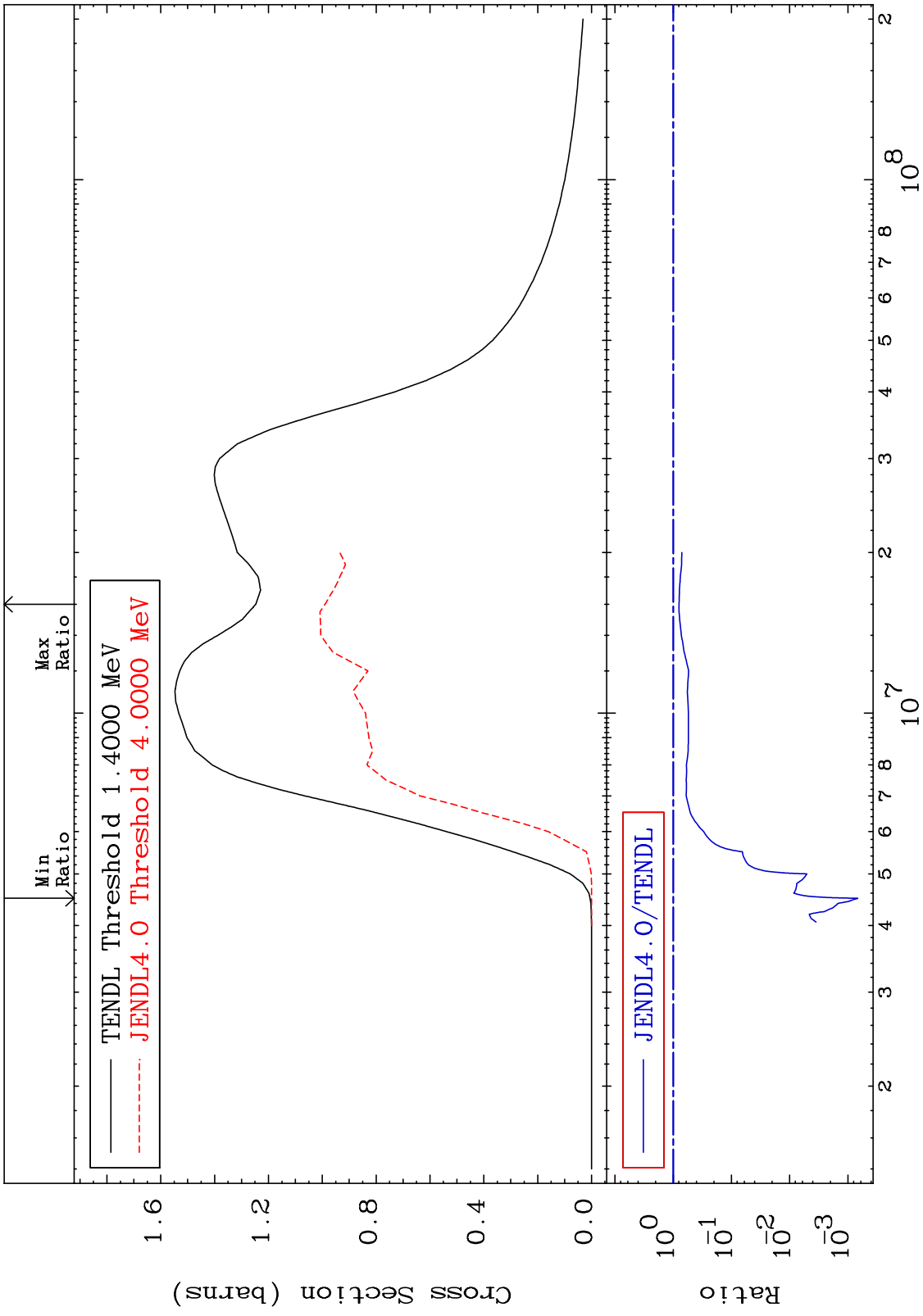


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Incident Energy (eV)

95-Am-241

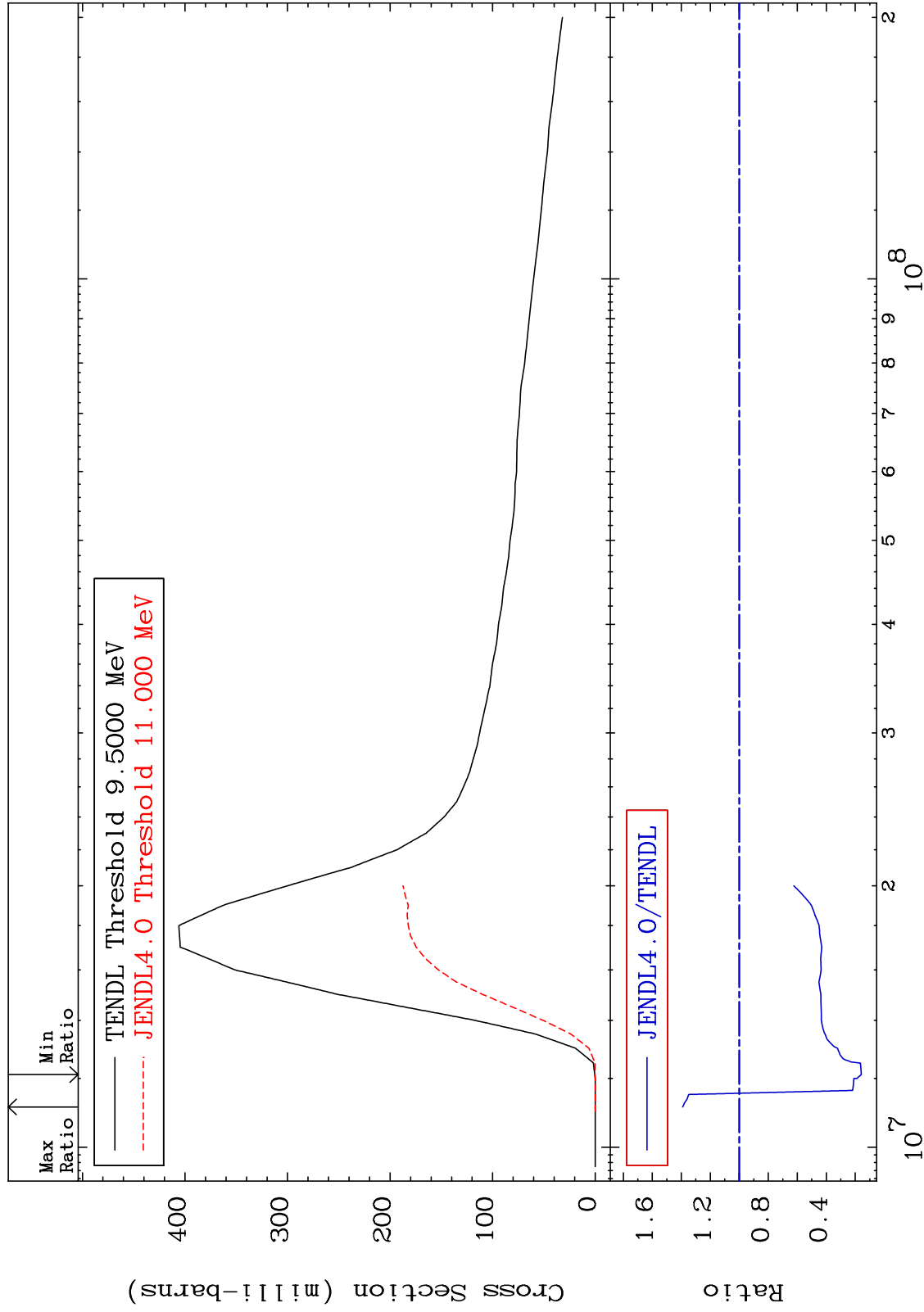
MAT 9543 (n,nf) Second Chance Cross Section 95-Am-241 -99.93 To -20.65%



MAT 9543

(n,2nf) Third Chance
Cross Section

95-Am-241
-84.20 To 39.06 %



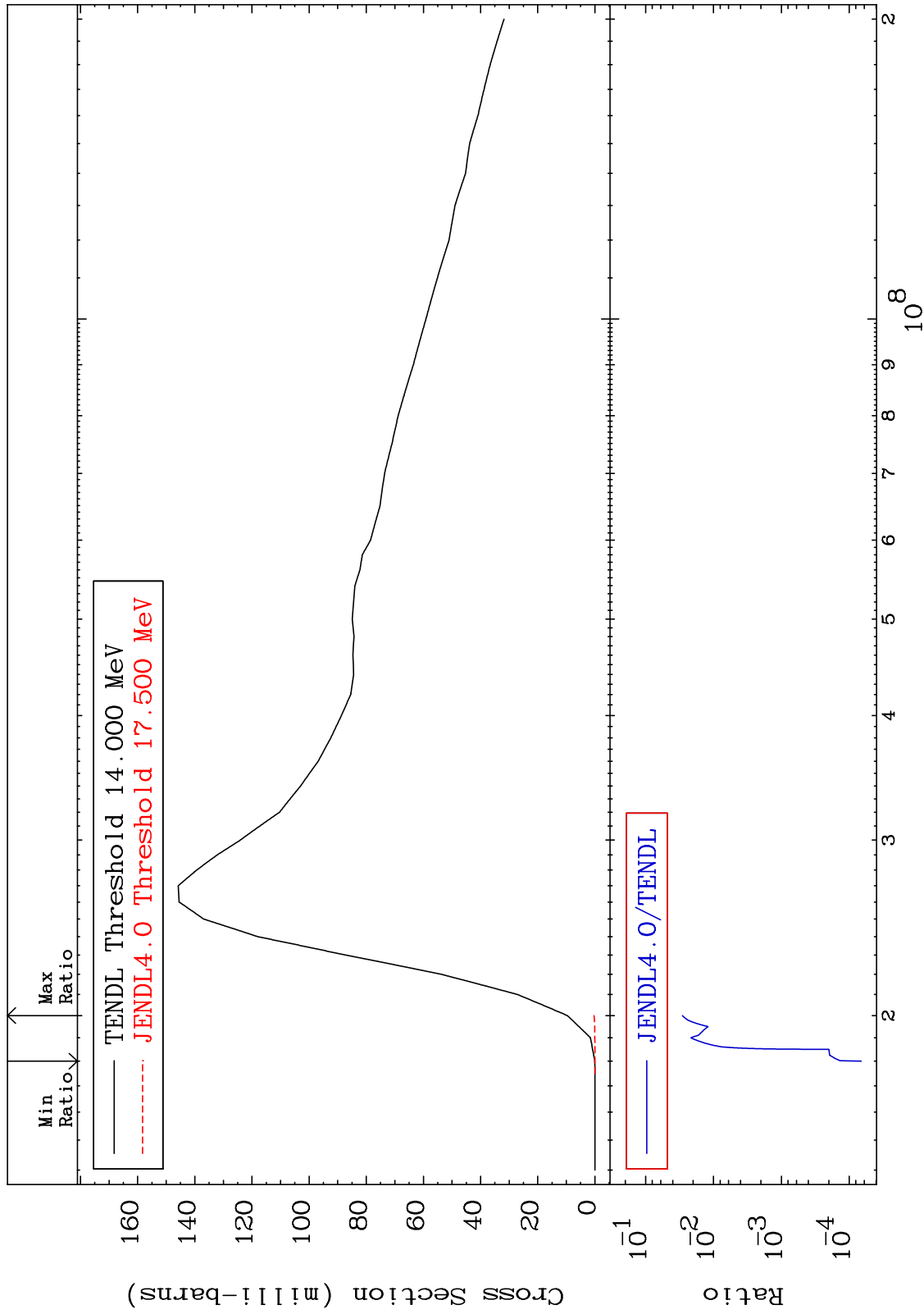
95-Am-241

Incident Energy (eV)

MAT 9543

(n,3nf) Fourth Chance
Cross Section

95-Am-241
-99.99 To -97.13%

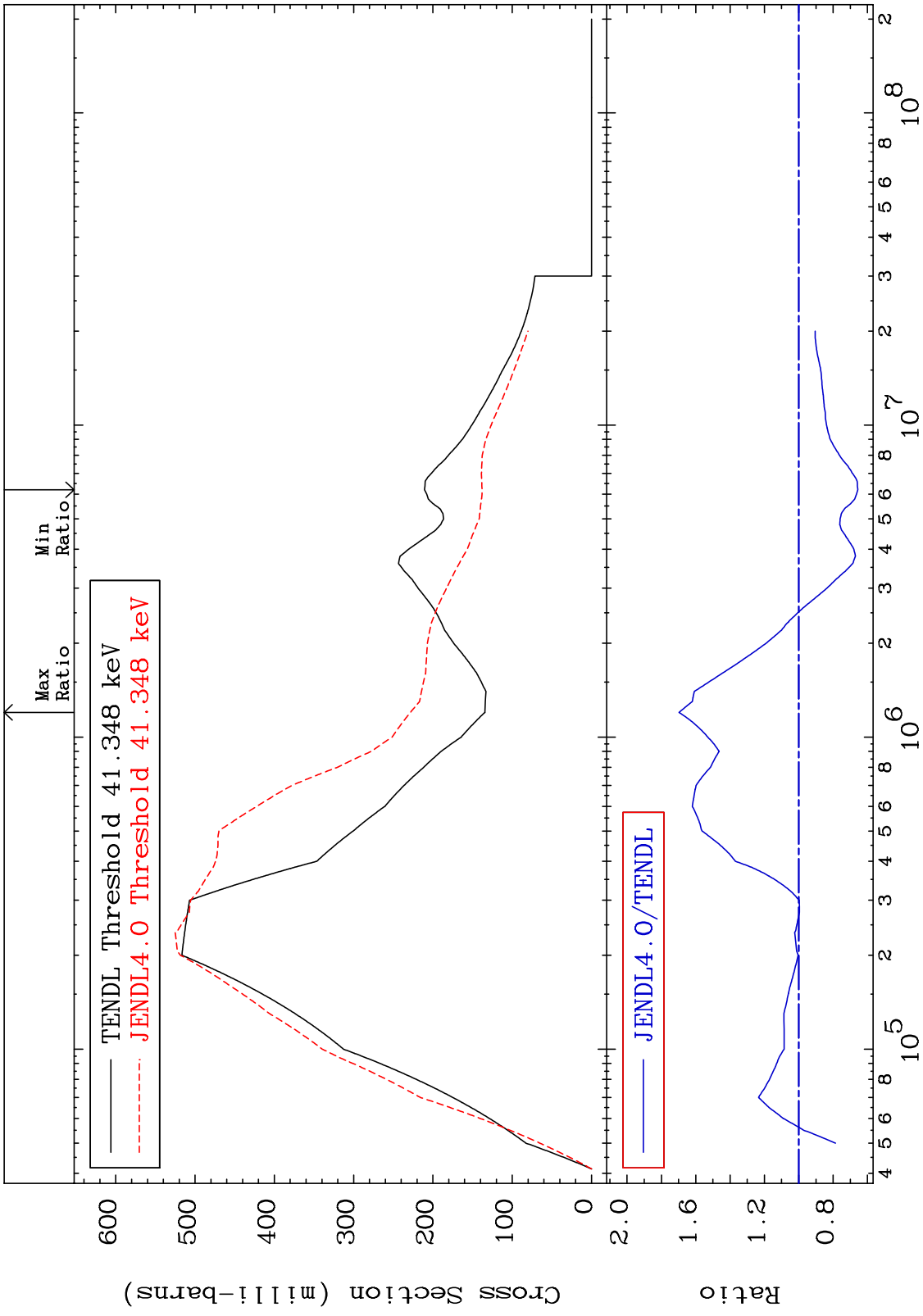


10

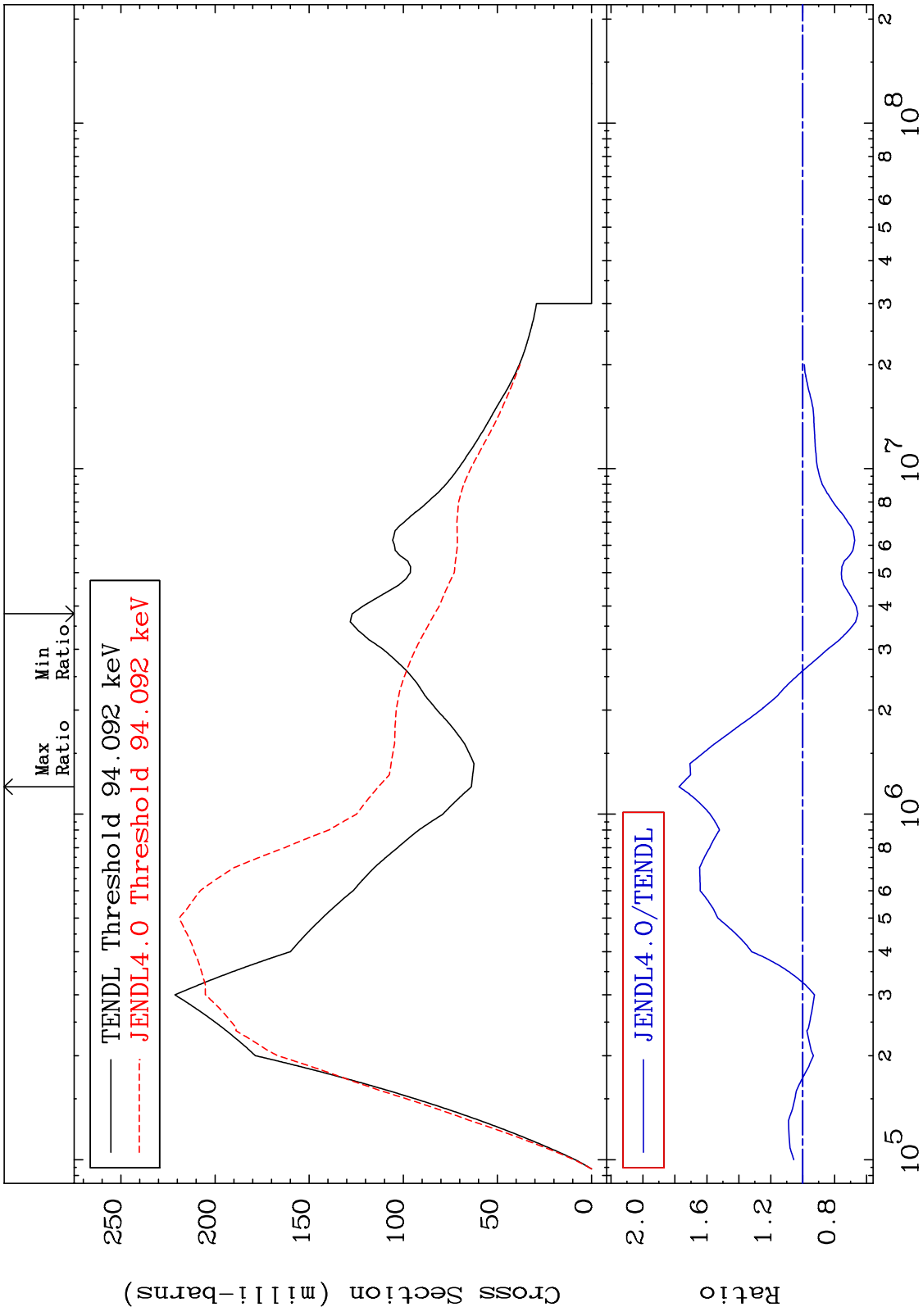
Incident Energy (eV)

95-Am-241

MAT 9543 MT= 51 (n,n') Level 95-Am-241
 Cross Section -34.40 To 69.72 %

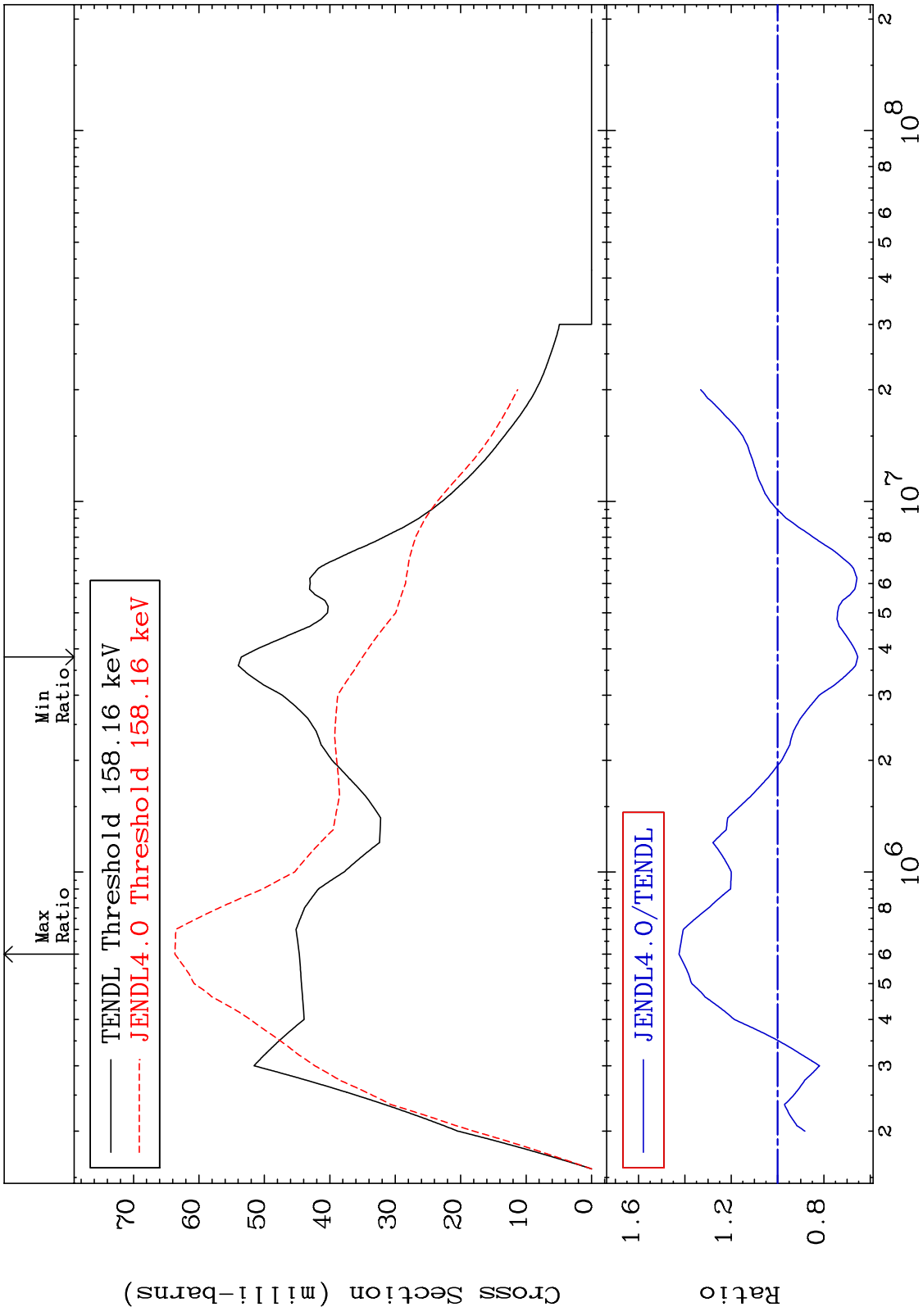


MAT 9543 MT= 52 (n,n') Level Cross Section 95-Am-241
 -34.49 To 77.42 %

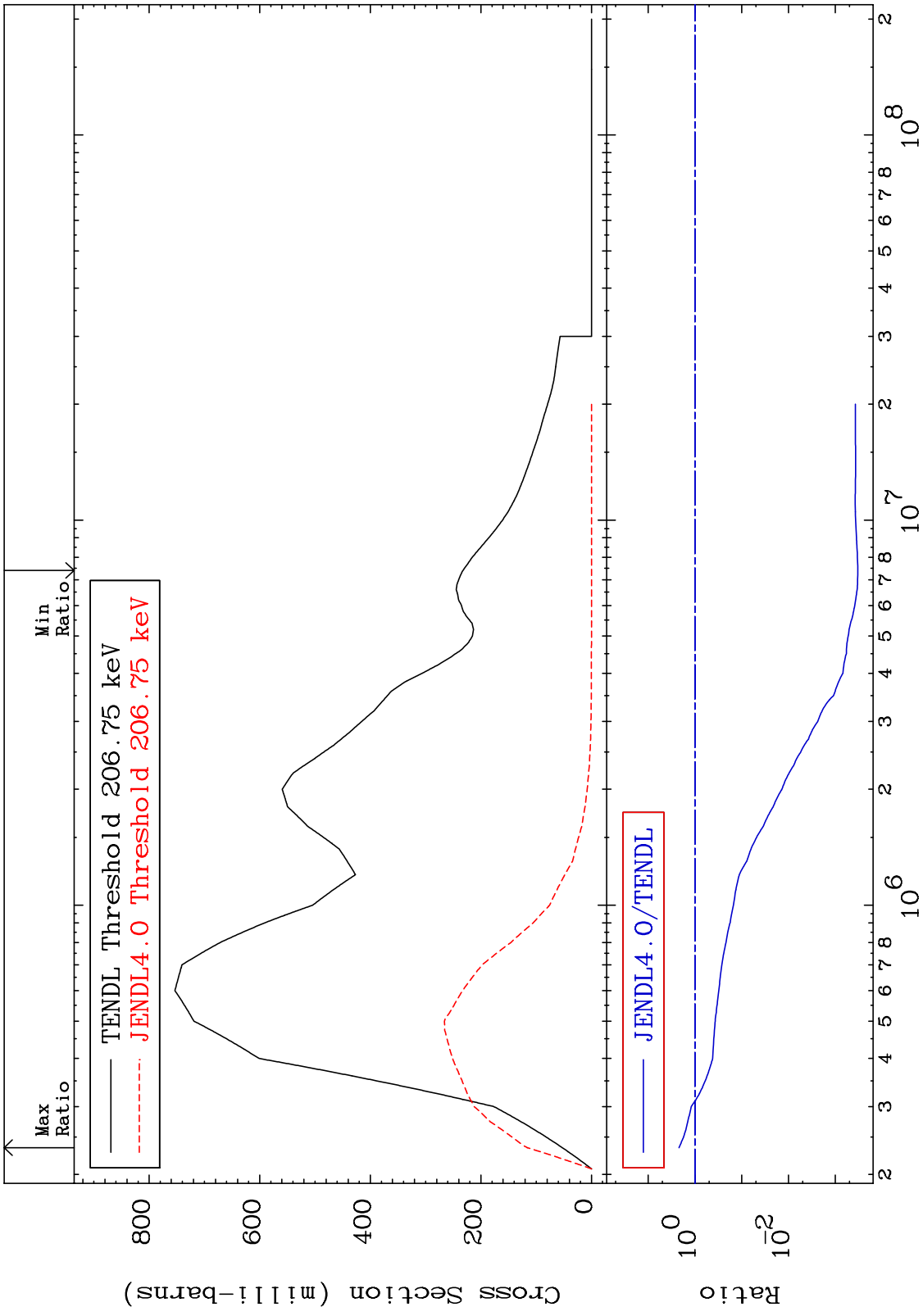


12 95-Am-241

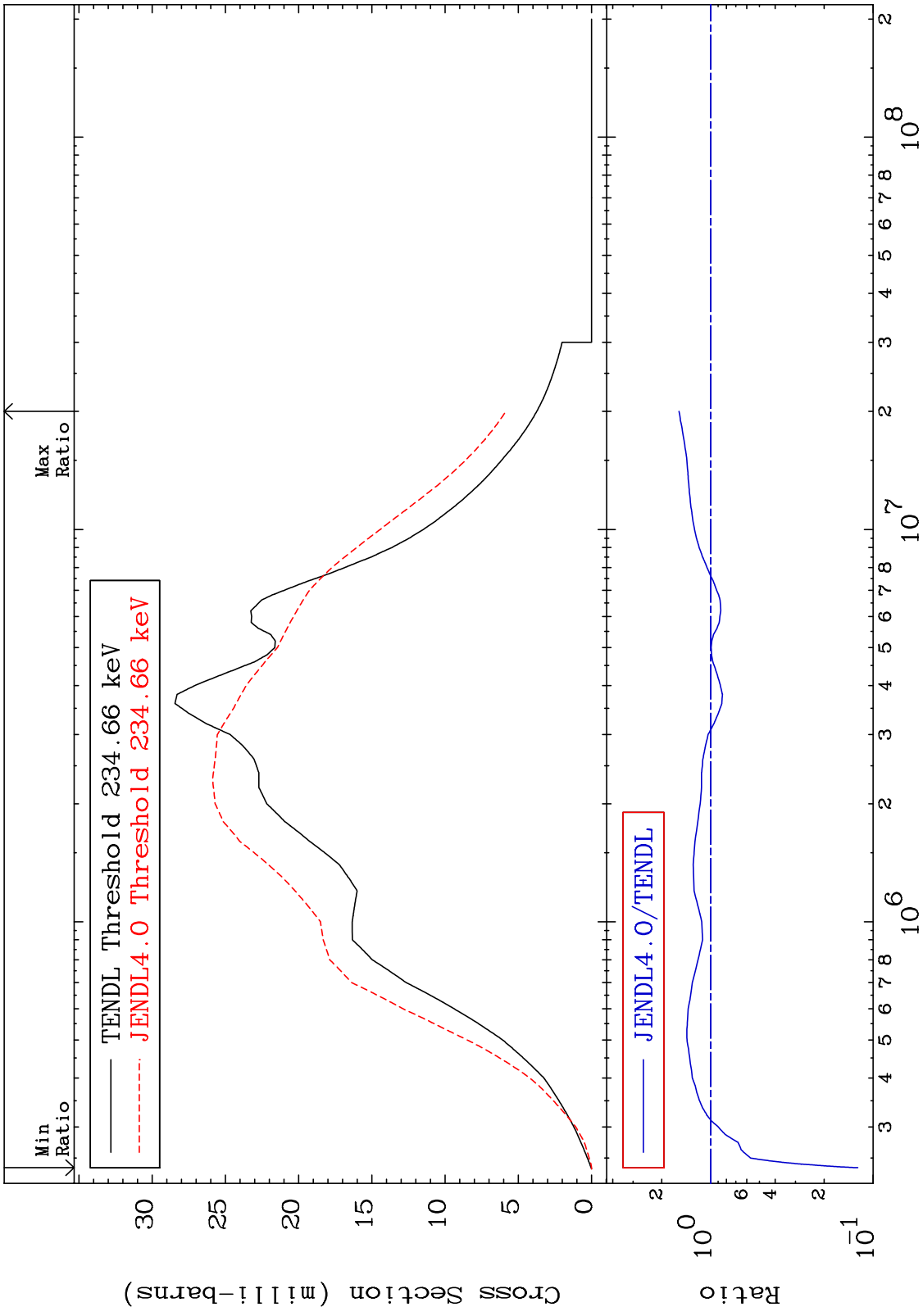
MAT 9543 MT= 53 (n,n') Level Cross Section 95-Am-241
 -34.62 To 42.54 %



MAT 9543 MT= 54 (n,n') Level Cross Section 95-Am-241
 -99.97 To 119.3 %



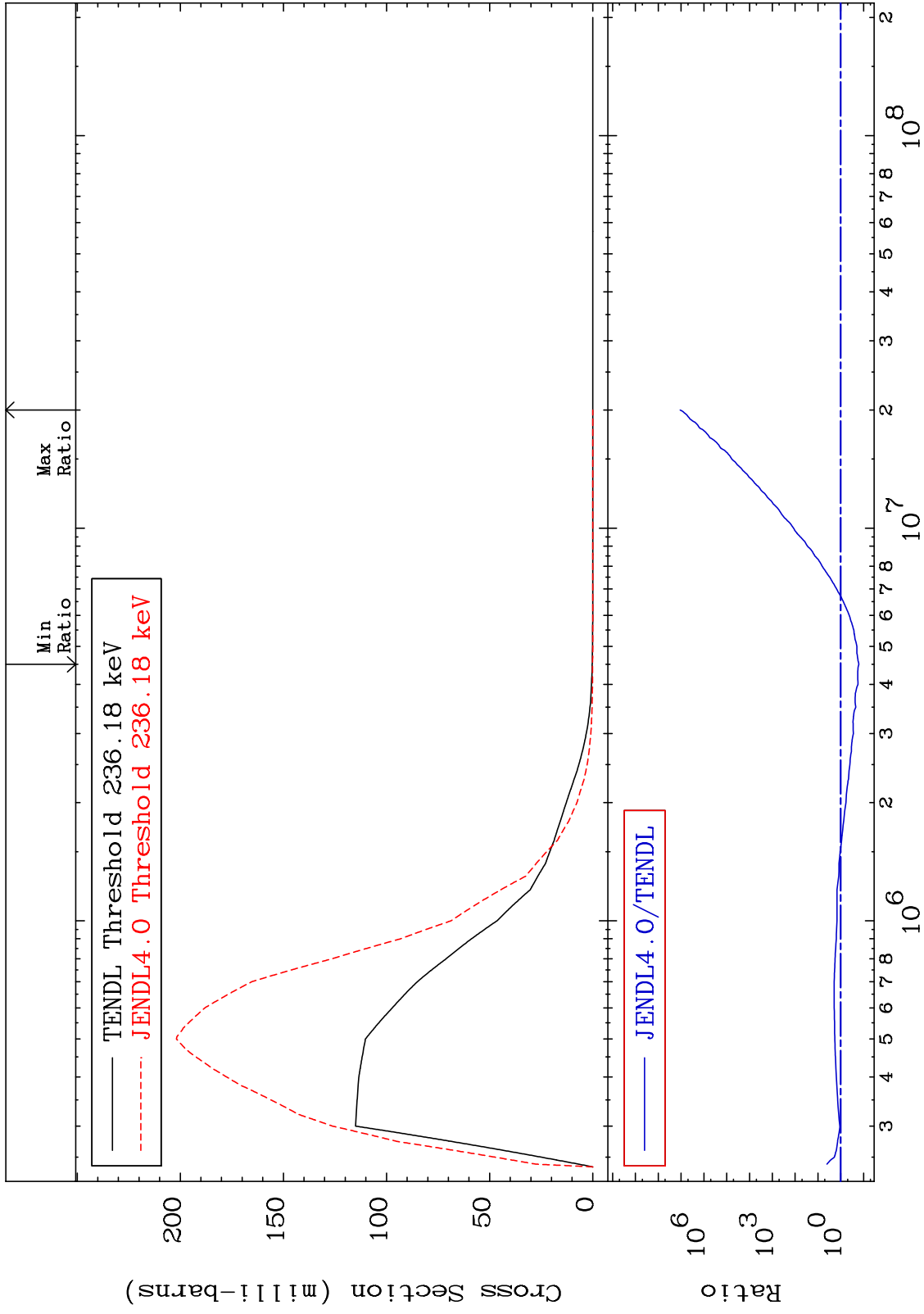
MAT 9543 MT= 55 (n,n') Level Cross Section 95-Am-241 -87.59 To 56.42 %



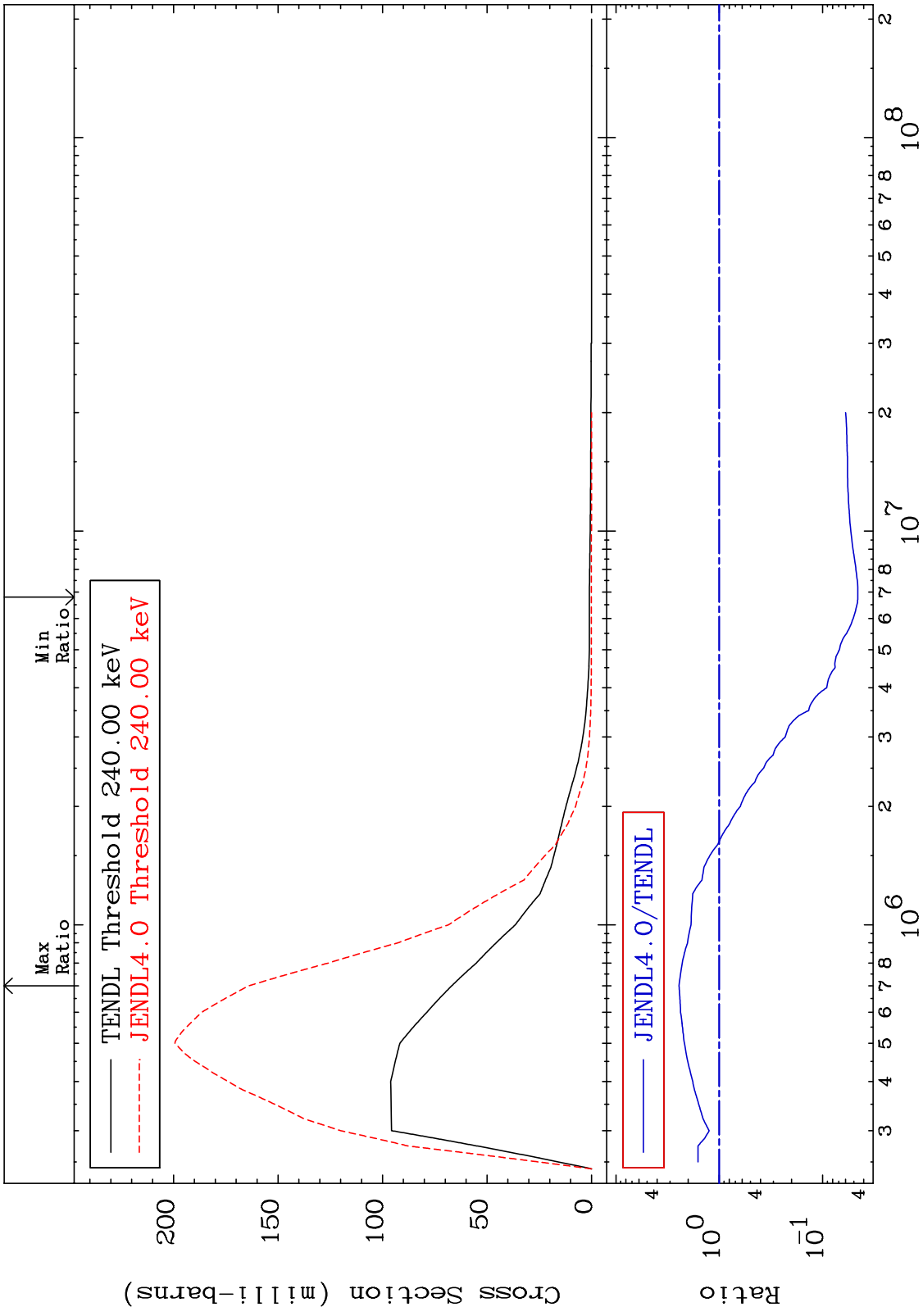
MAT 9543

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

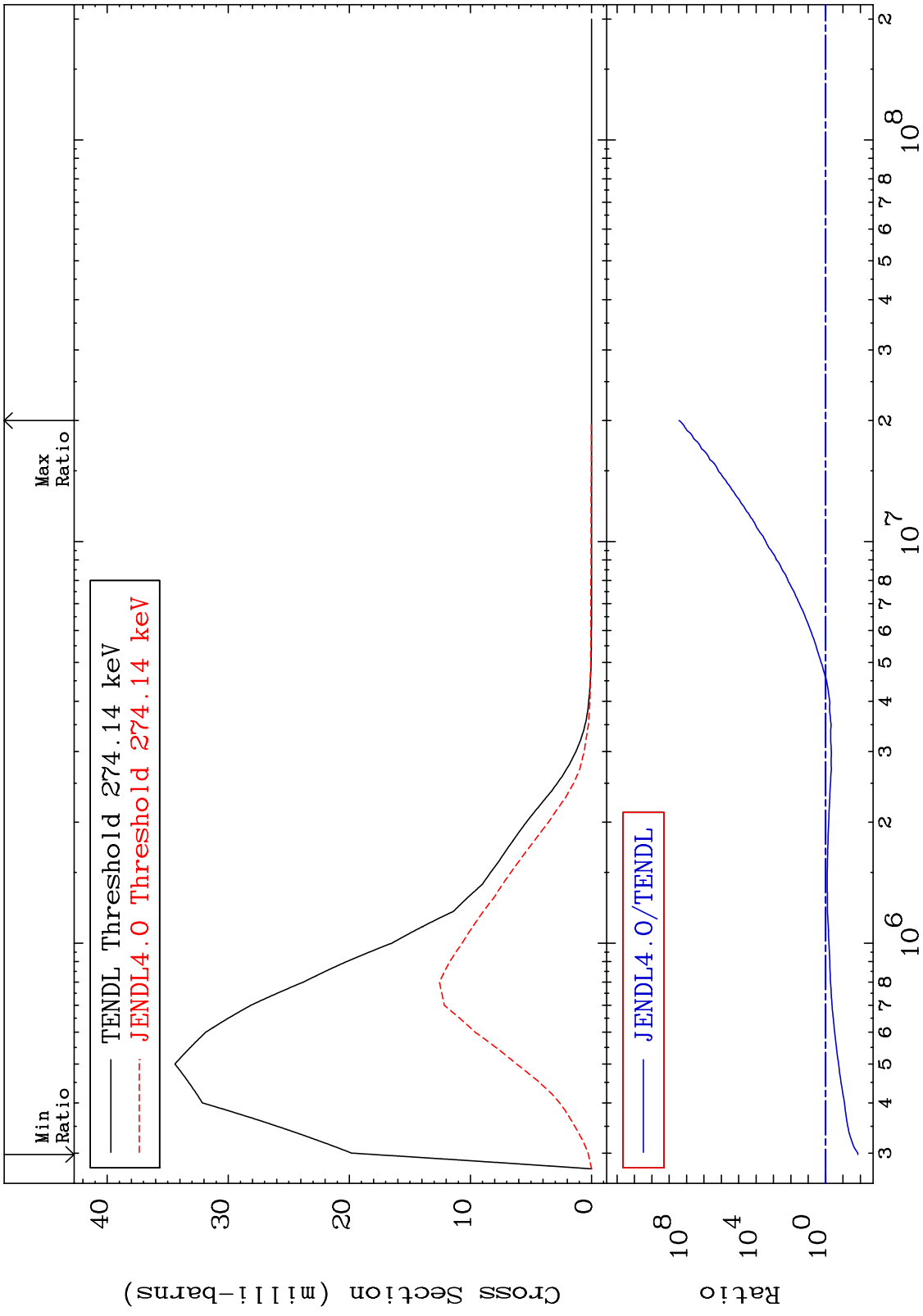
95-Am-241
-83.87 To 9999. %



MAT 9543 MT= 57 (n,n') Level Cross Section 95-Am-241
 -95.43 To 145.2 %



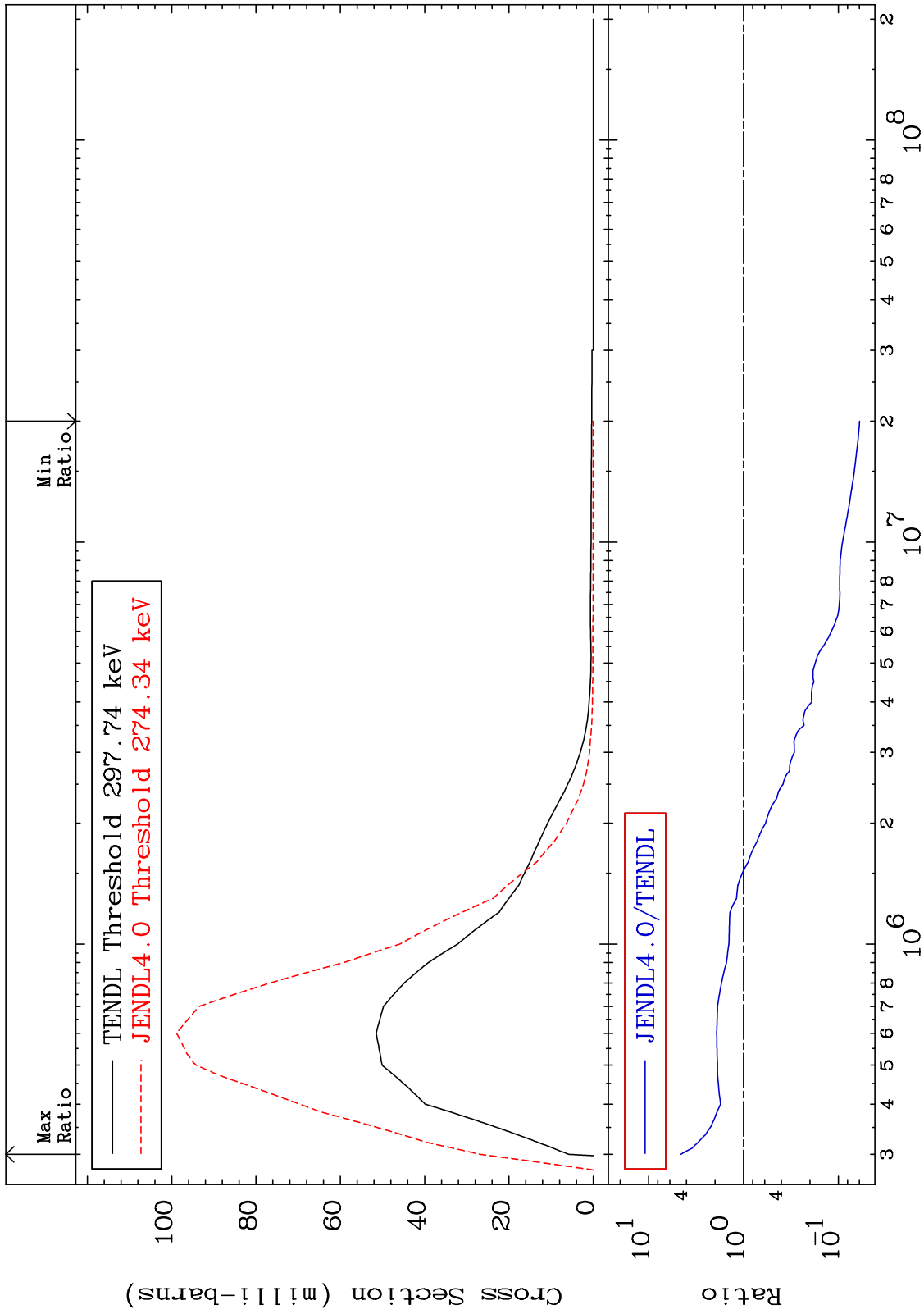
MAT 9543 MT= 58 (n,n') Level Cross Section 95-Am-241 -98.60 To 9999. %



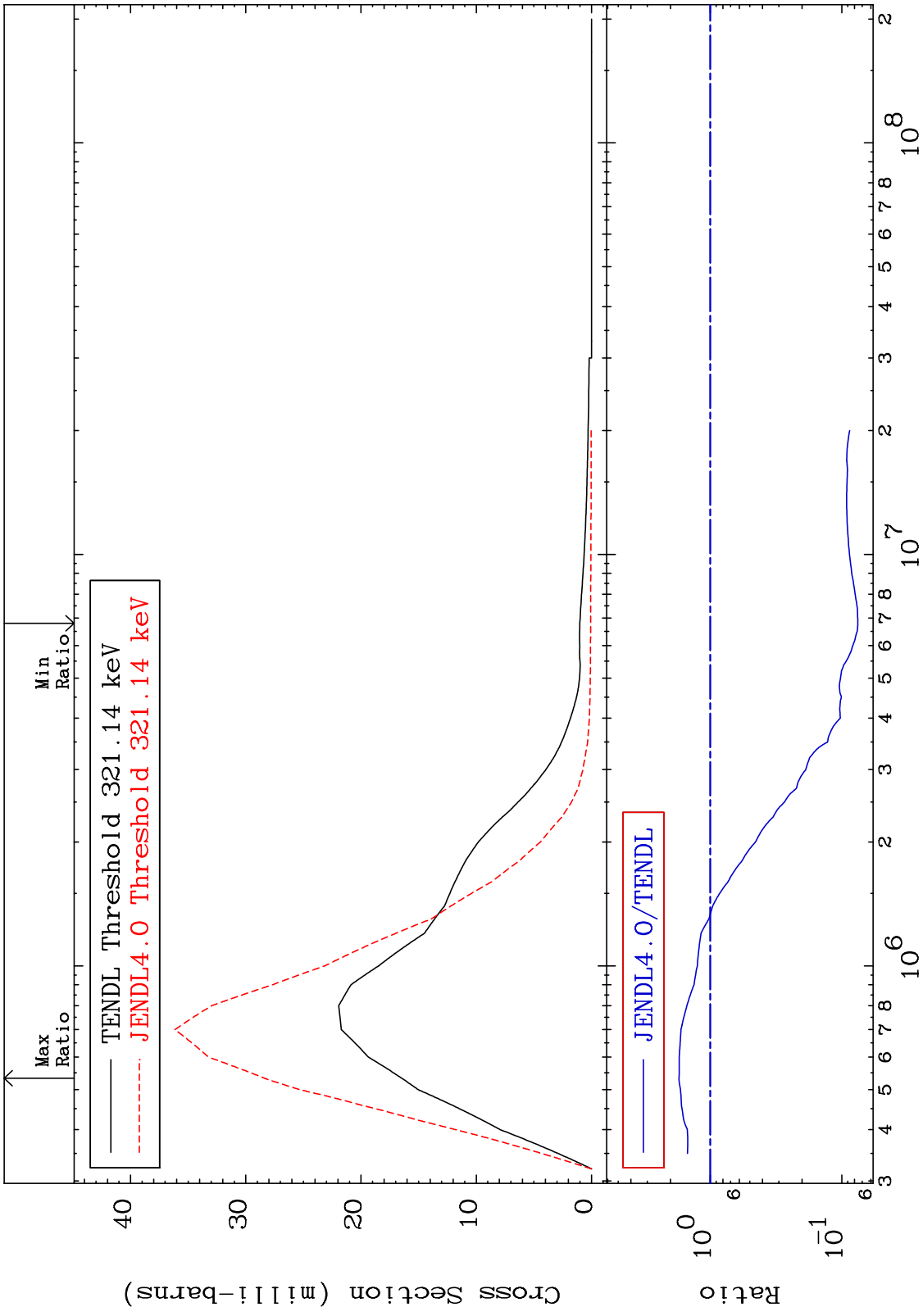
MAT 9543

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

95-Am-241
-94.03 To 358.6 %



MAT 9543 MT= 60 (n,n') Level Cross Section 95-Am-241
 -92.45 To 72.27 %

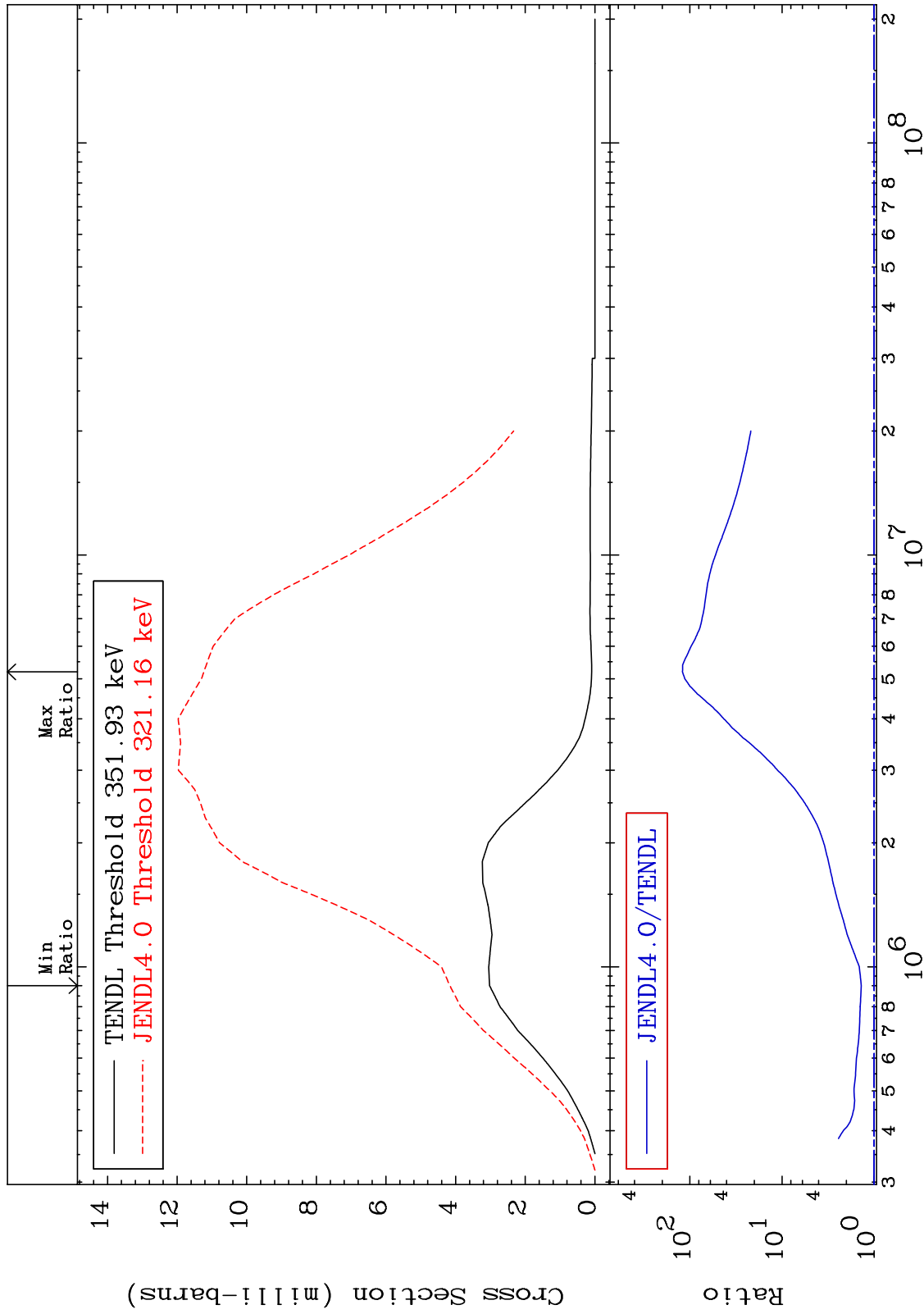


20 95-Am-241

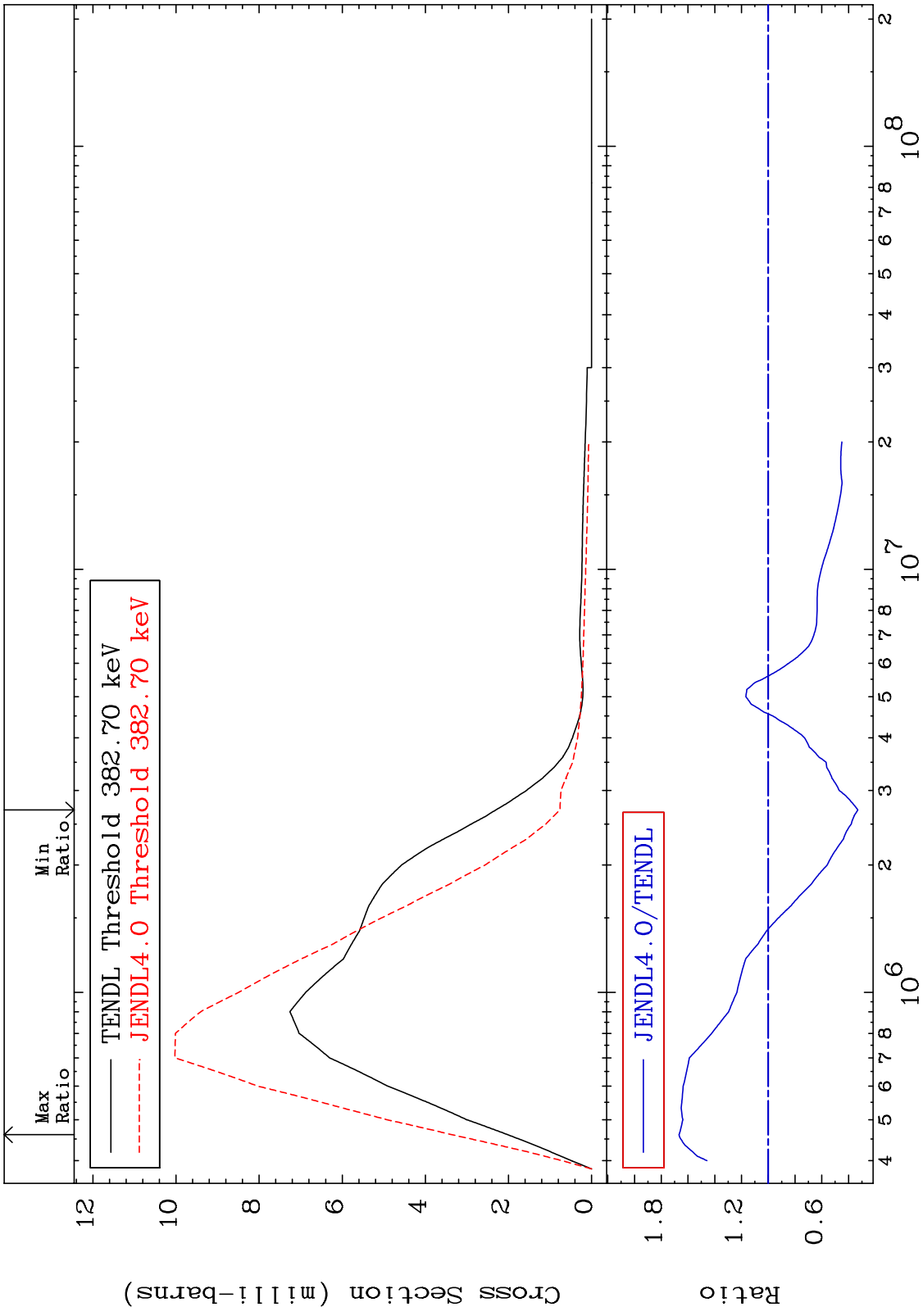
MAT 9543

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

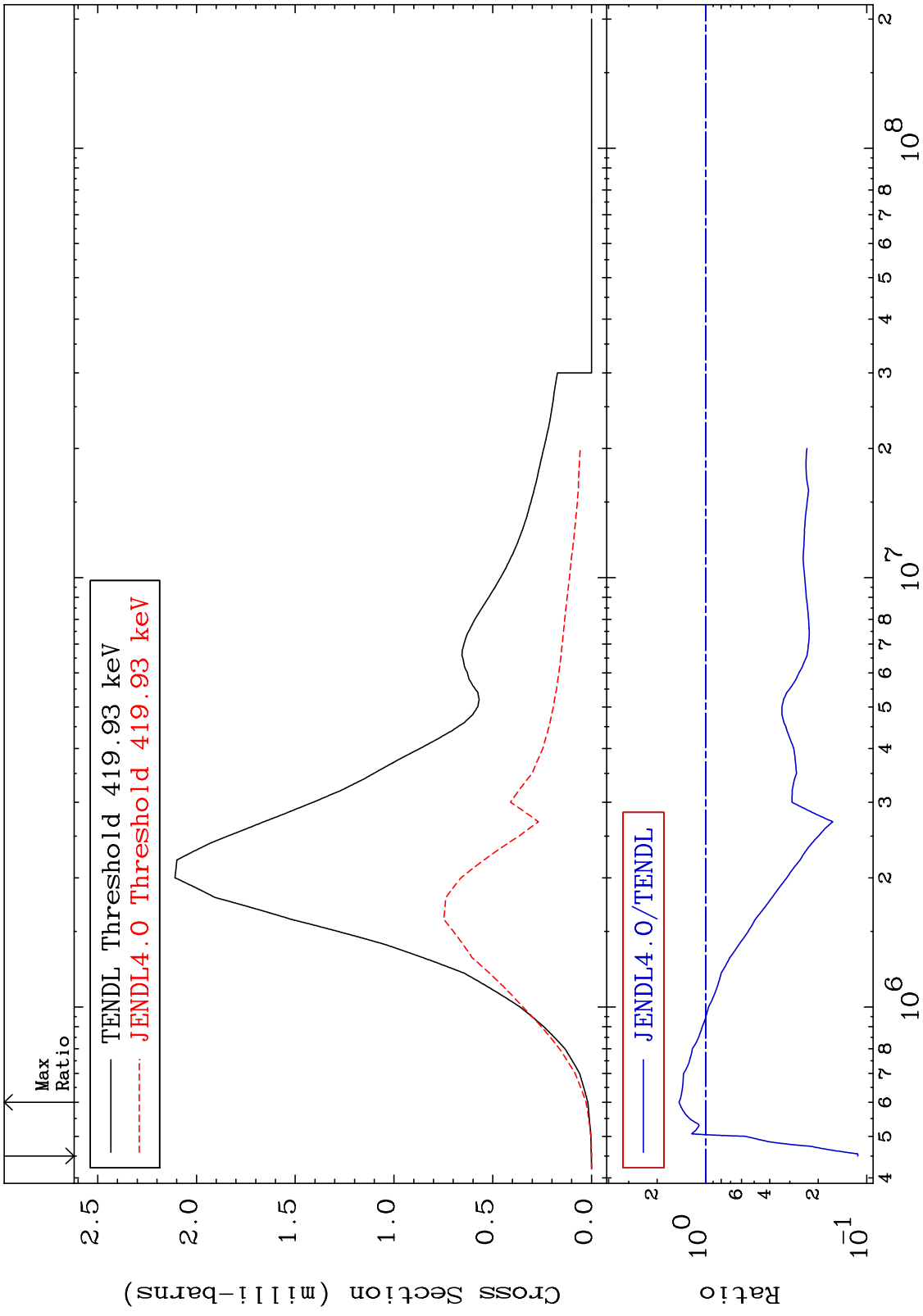
37.68 To 9999. %
95-Am-241



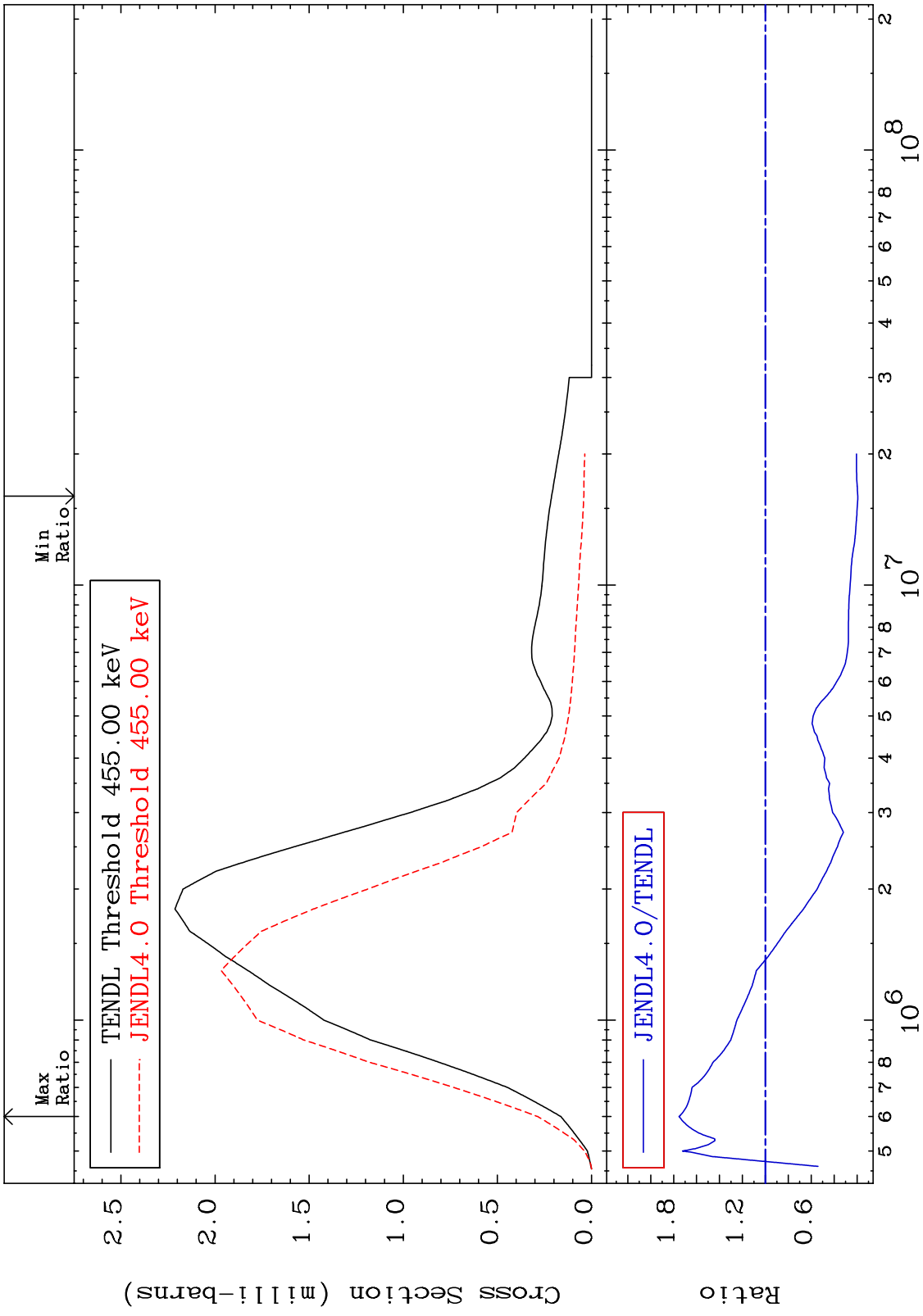
MAT 9543 MT= 62 (n,n') Level Cross Section 95-Am-241
 -66.95 To 66.70 %



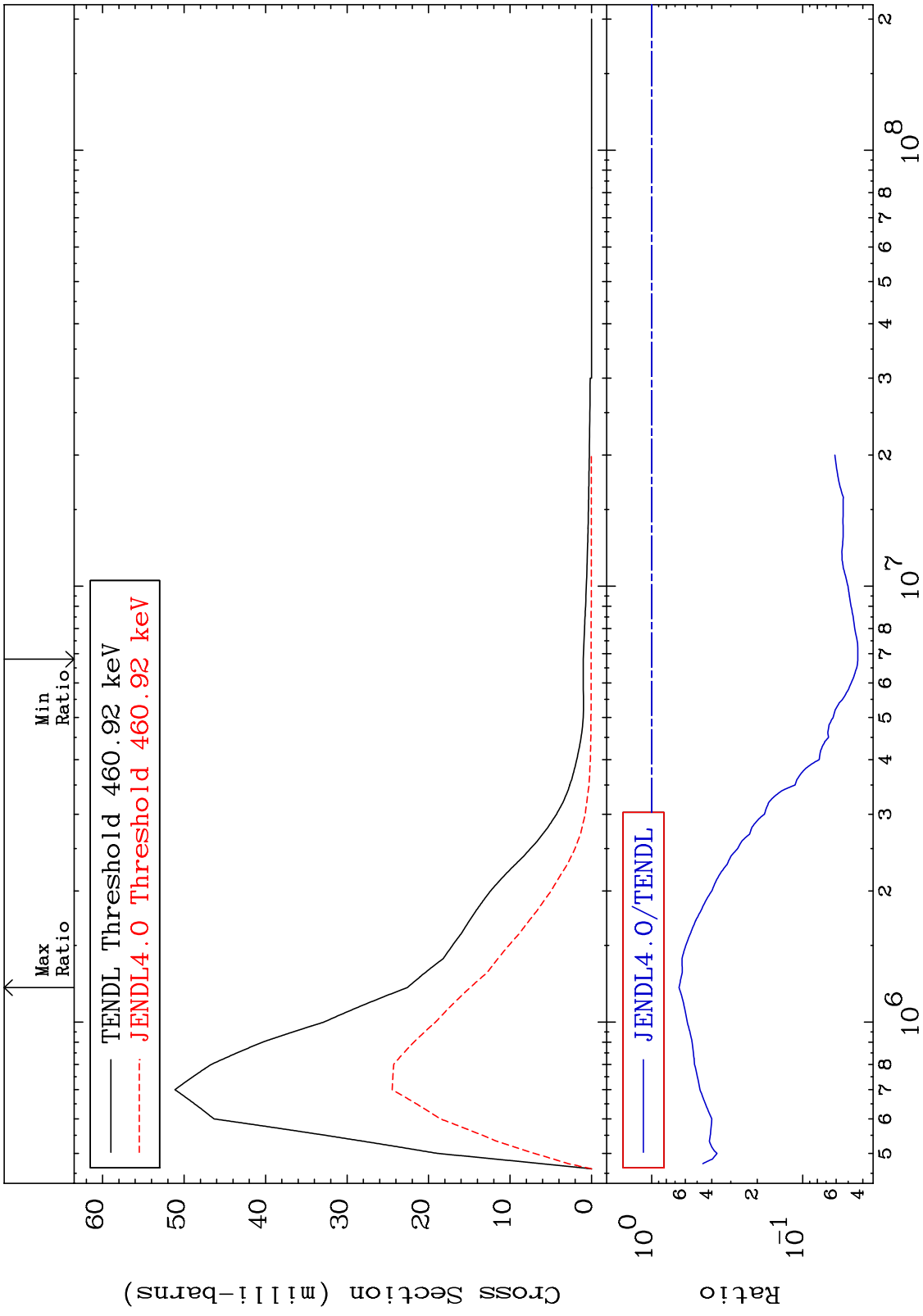
MAT 9543 MT= 63 (n,n') Level Cross Section 95-Am-241
 -88.64 To 46.29 %



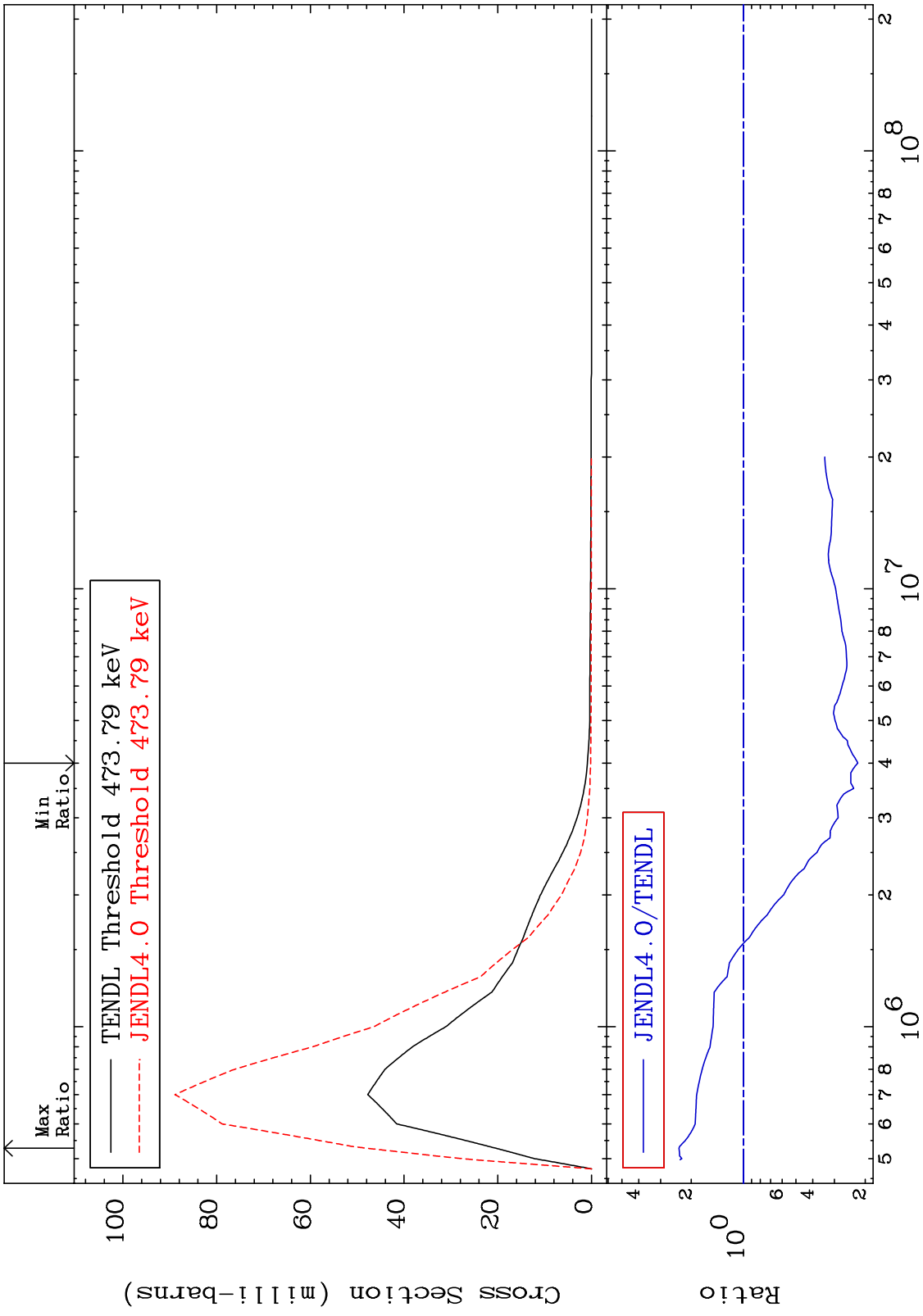
MAT 9543 MT= 64 (n,n') Level Cross Section 95-Am-241
 -80.68 To 75.29 %



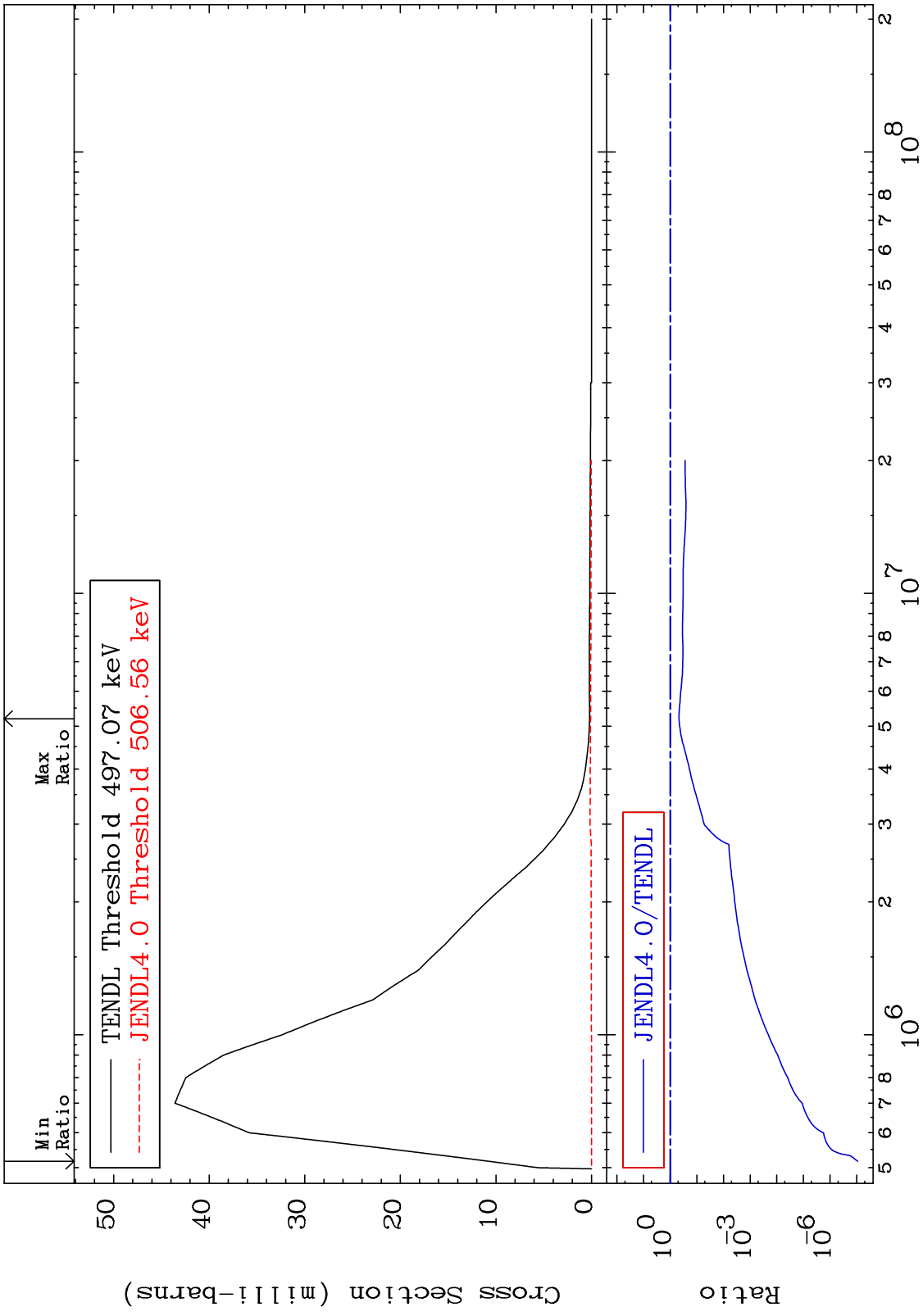
MAT 9543 MT= 65 (n,n') Level Cross Section 95-Am-241 -95.68 To -34.06%



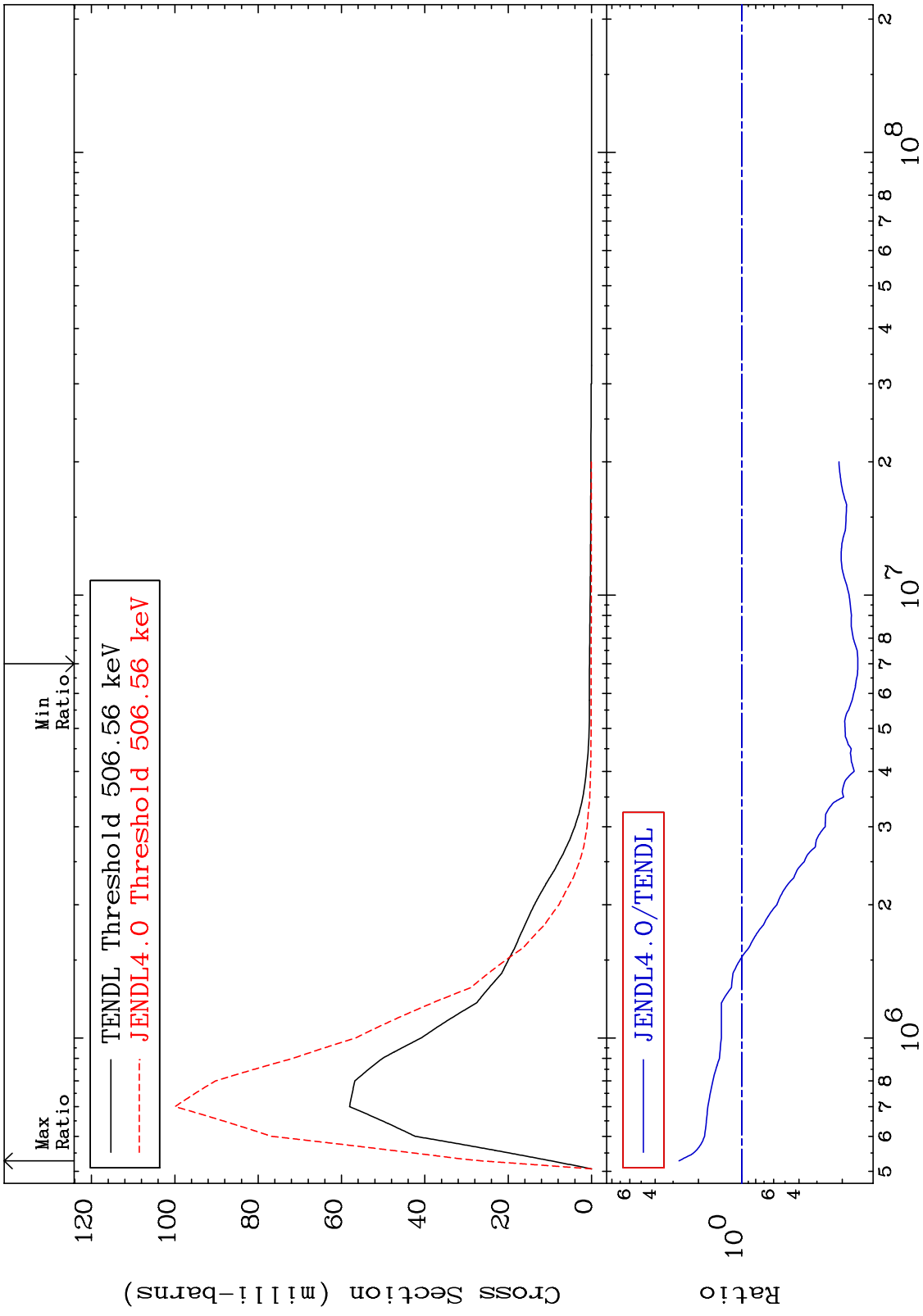
MAT 9543 MT= 66 (n,n') Level Cross Section 95-Am-241
 -77.97 To 134.8 %



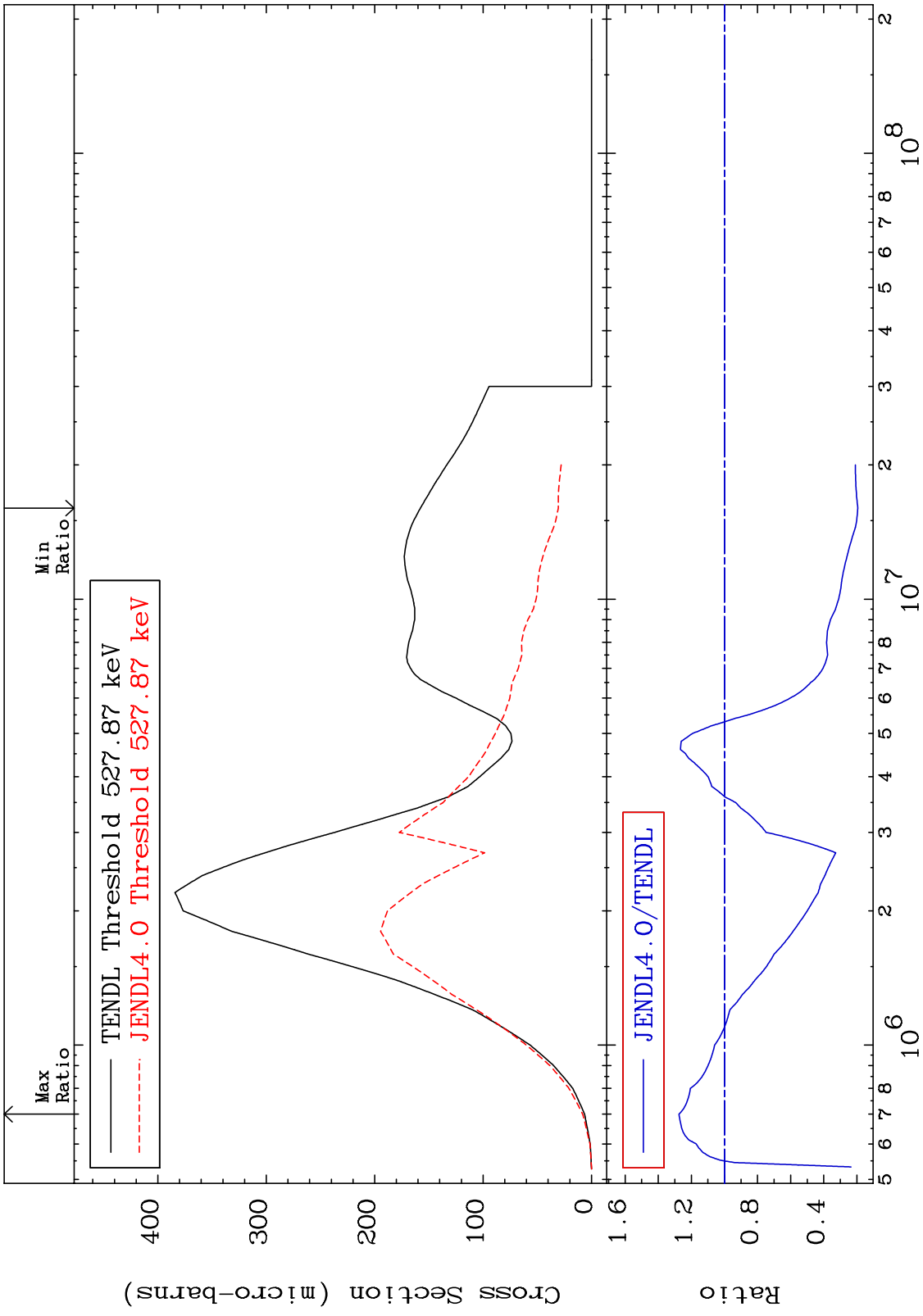
MAT 9543 MT= 67 (n,n') Level Cross Section 95-Am-241 -100.0 To -53.54%



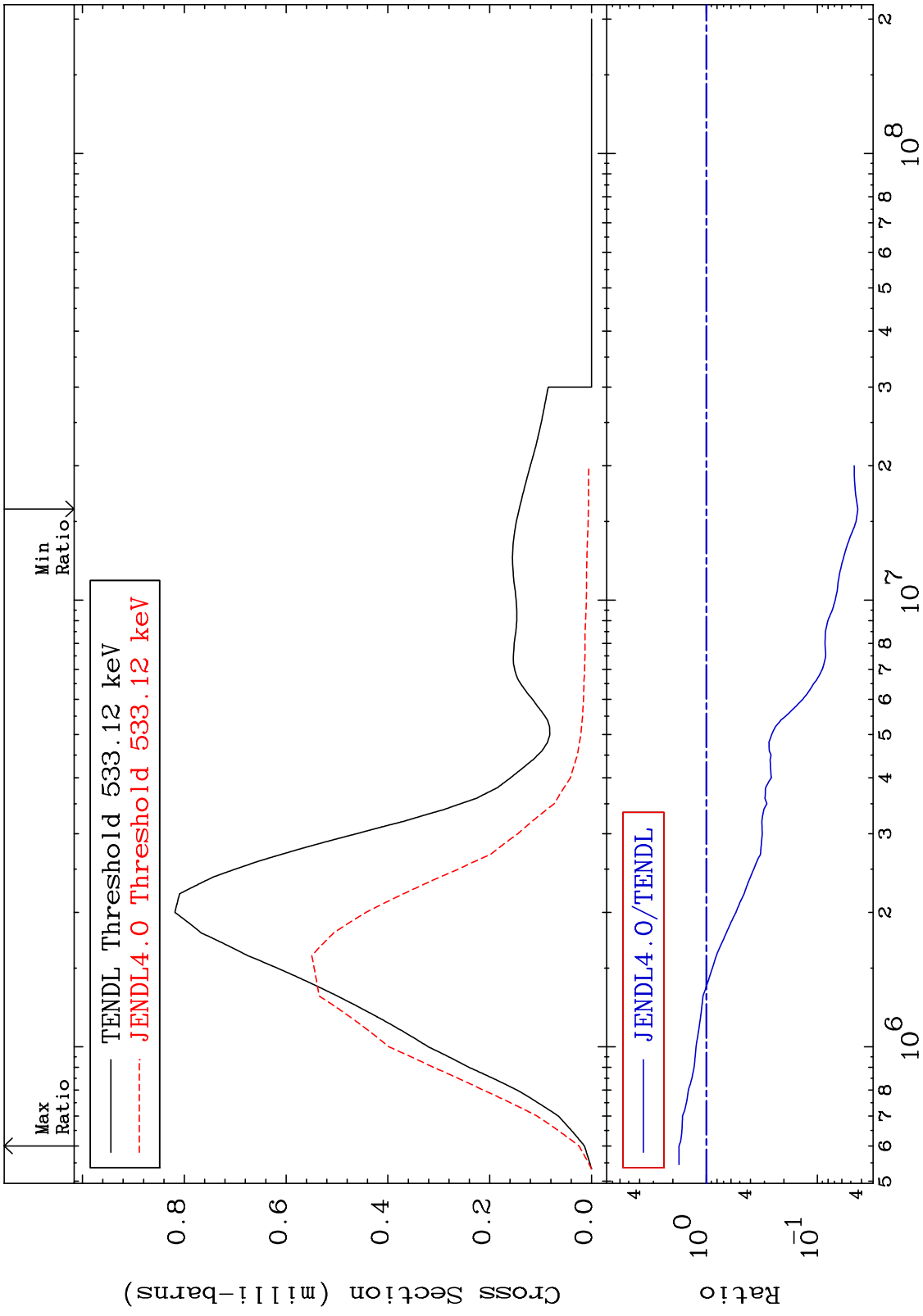
MAT 9543 MT= 68 (n,n') Level Cross Section 95-Am-241
 -84.40 To 172.7 %



MAT 9543 MT= 69 (n,n') Level Cross Section 95-Am-241
 -80.57 To 27.42 %



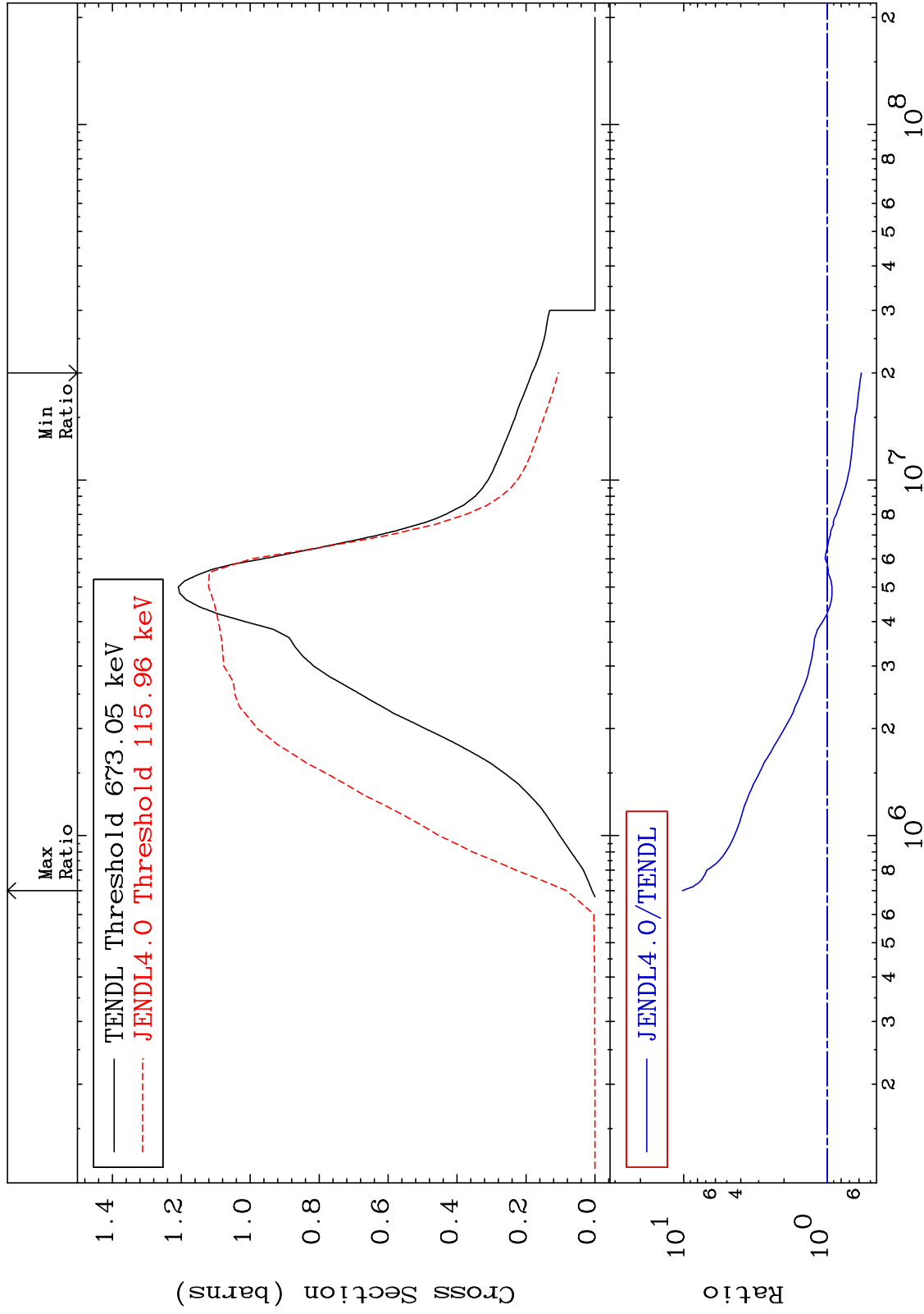
MAT 9543 MT= 70 (n,n') Level Cross Section 95-Am-241
 -95.69 To 76.24 %



MAT 9543

(n, n') Continuum
Cross Section

95-Am-241
-42.11 To 919.0 %



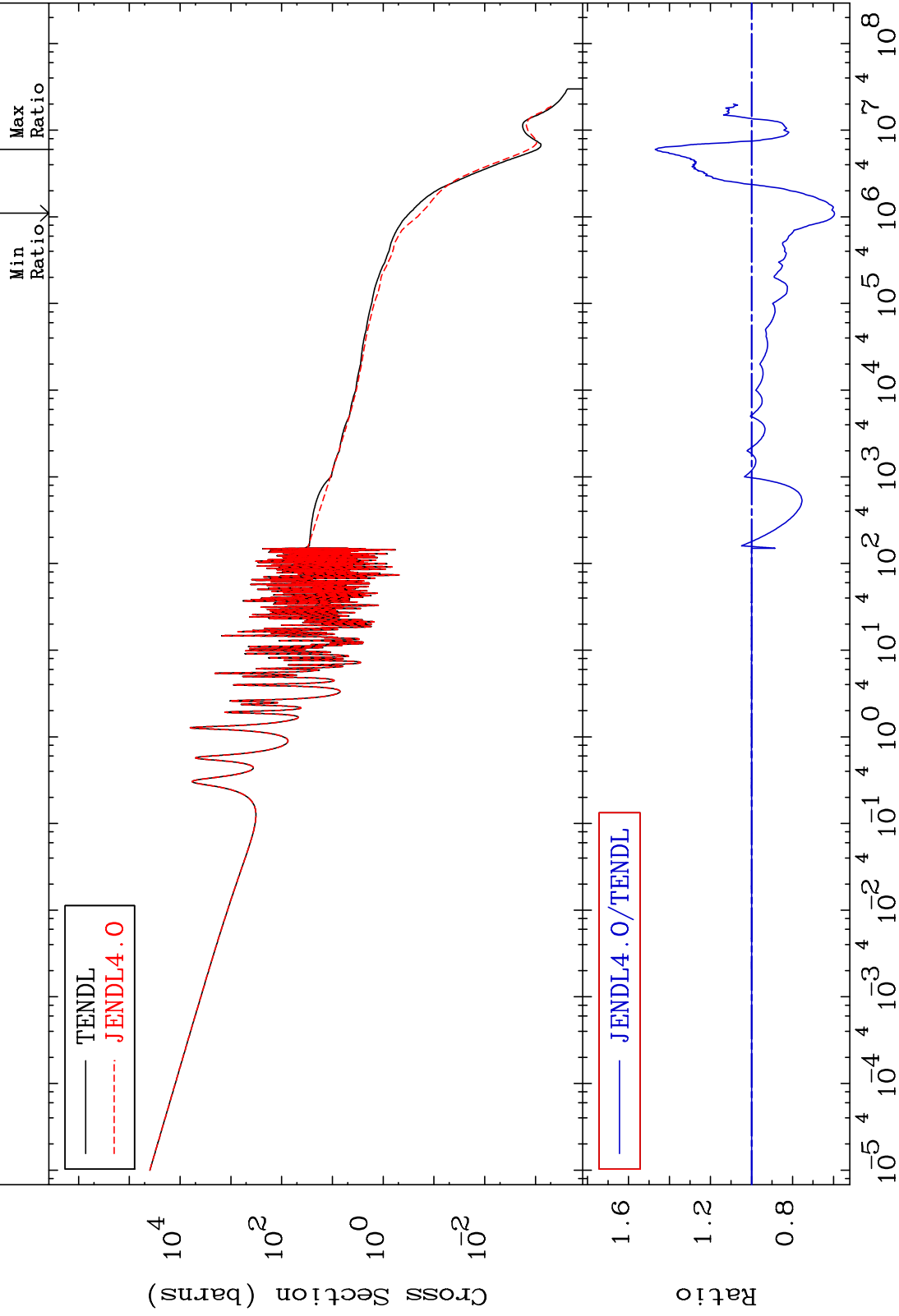
MAT 9543

(n, γ)

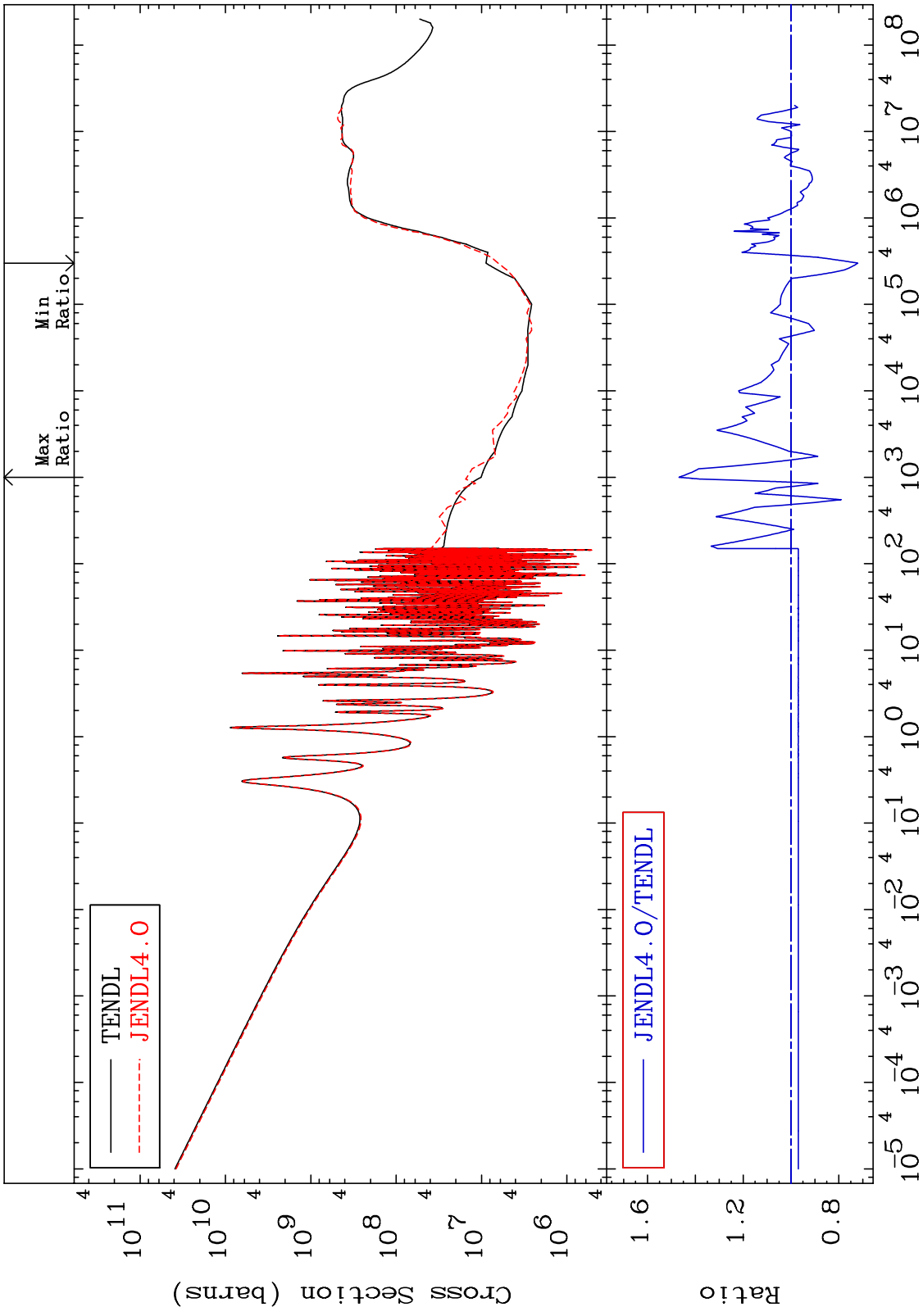
95-Am-241

Cross Section

-40.47 To 46.96 %



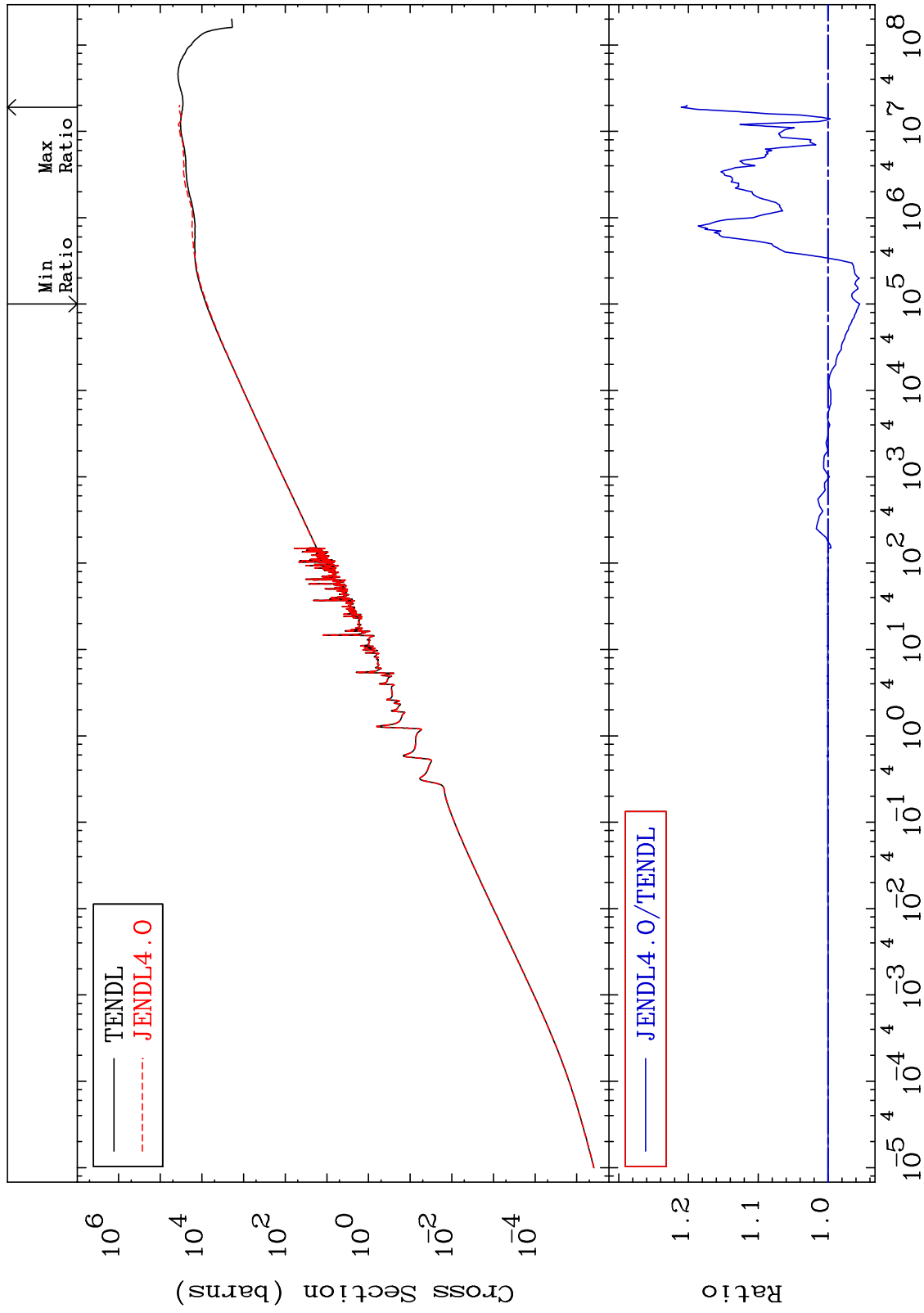
MAT 9543 Kerma total (eV-barns) Cross Section 95-Am-241 -27.96 To 46.82 %



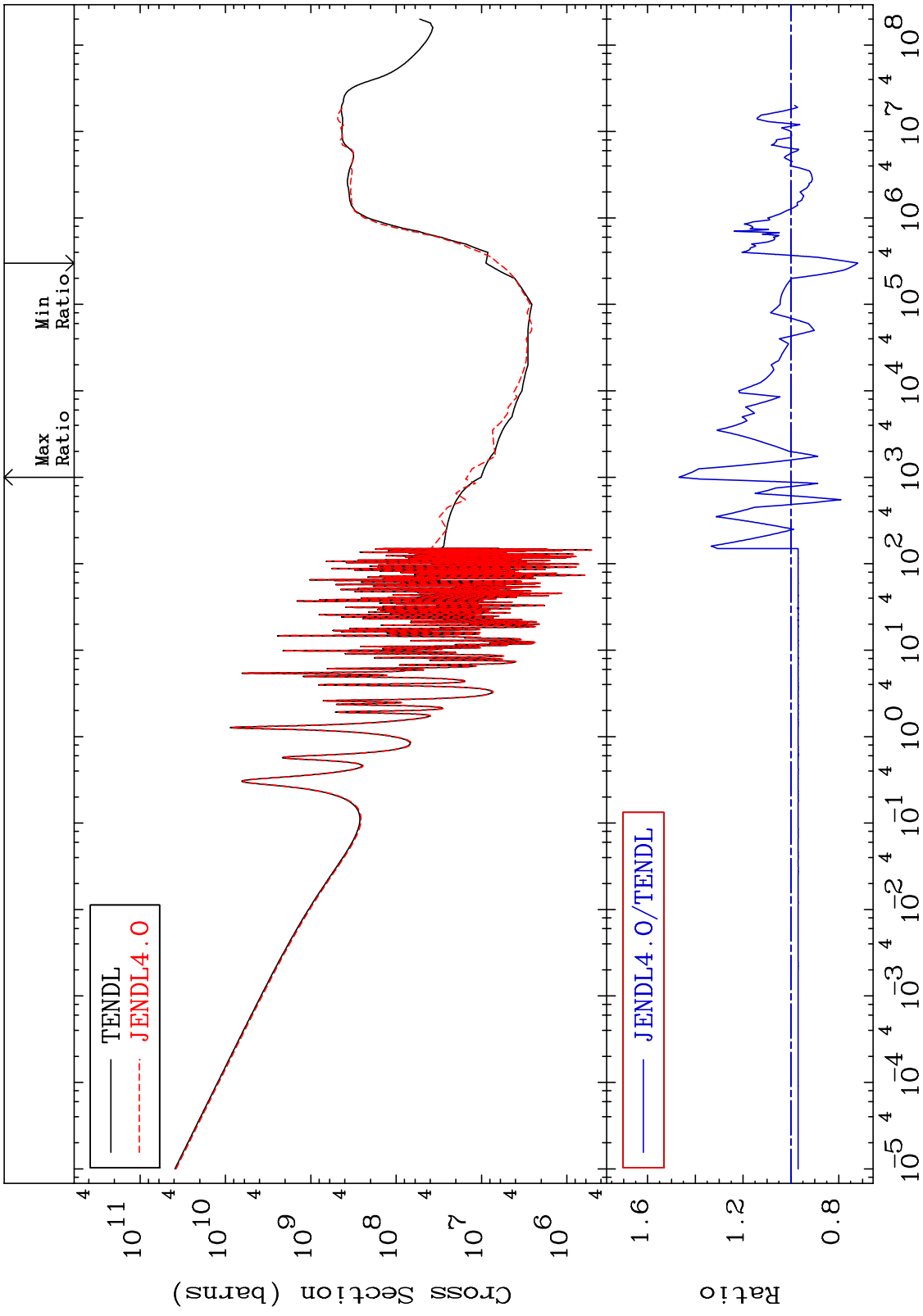
MAT 9543

Kerma elastic
Cross Section

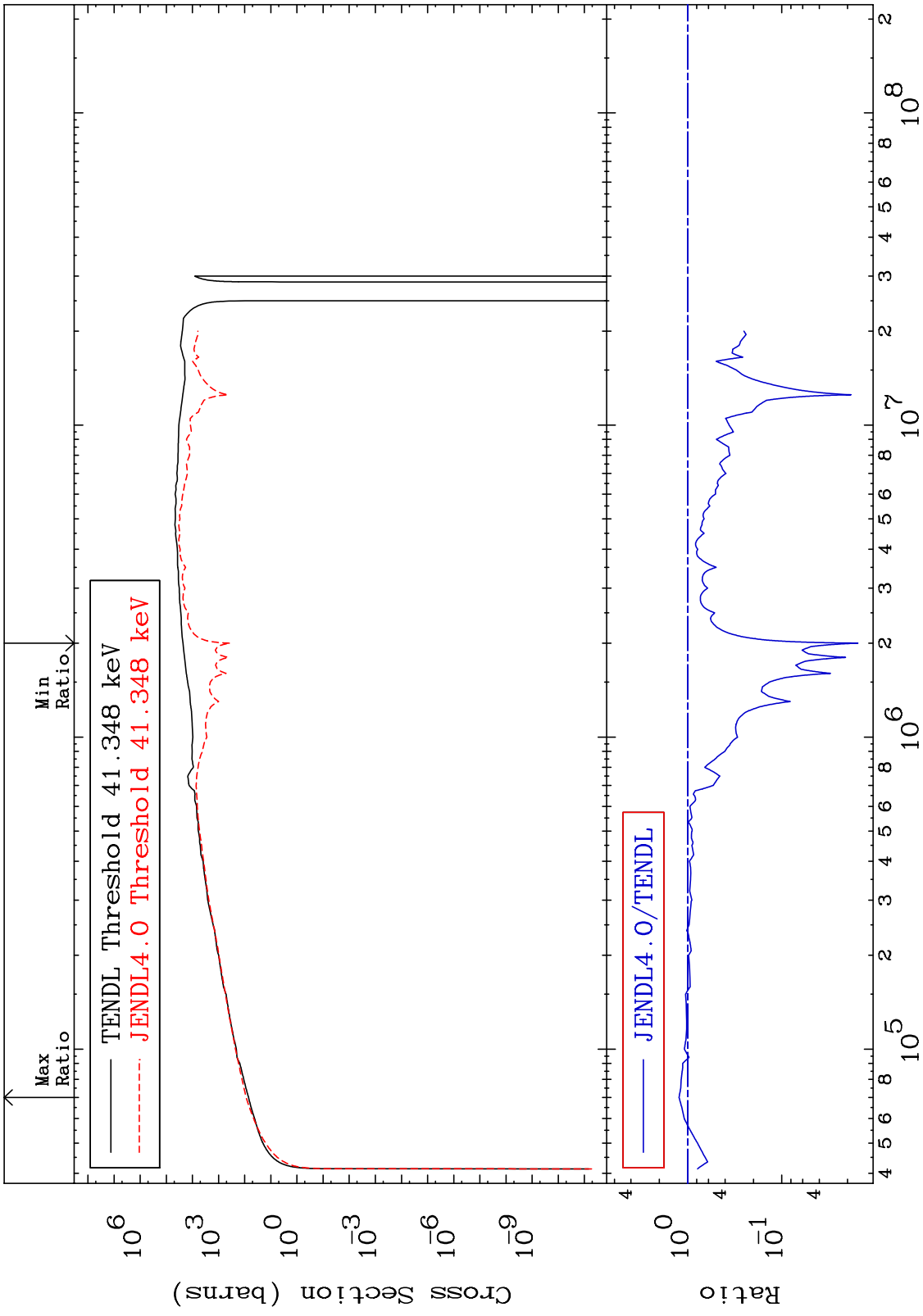
95-Am-241
-4.552 To 21.04 %



MAT 9543 Kerma non-elastic (all but mt2) Cross Section 95-Am-241 -28.00 To 46.82 %



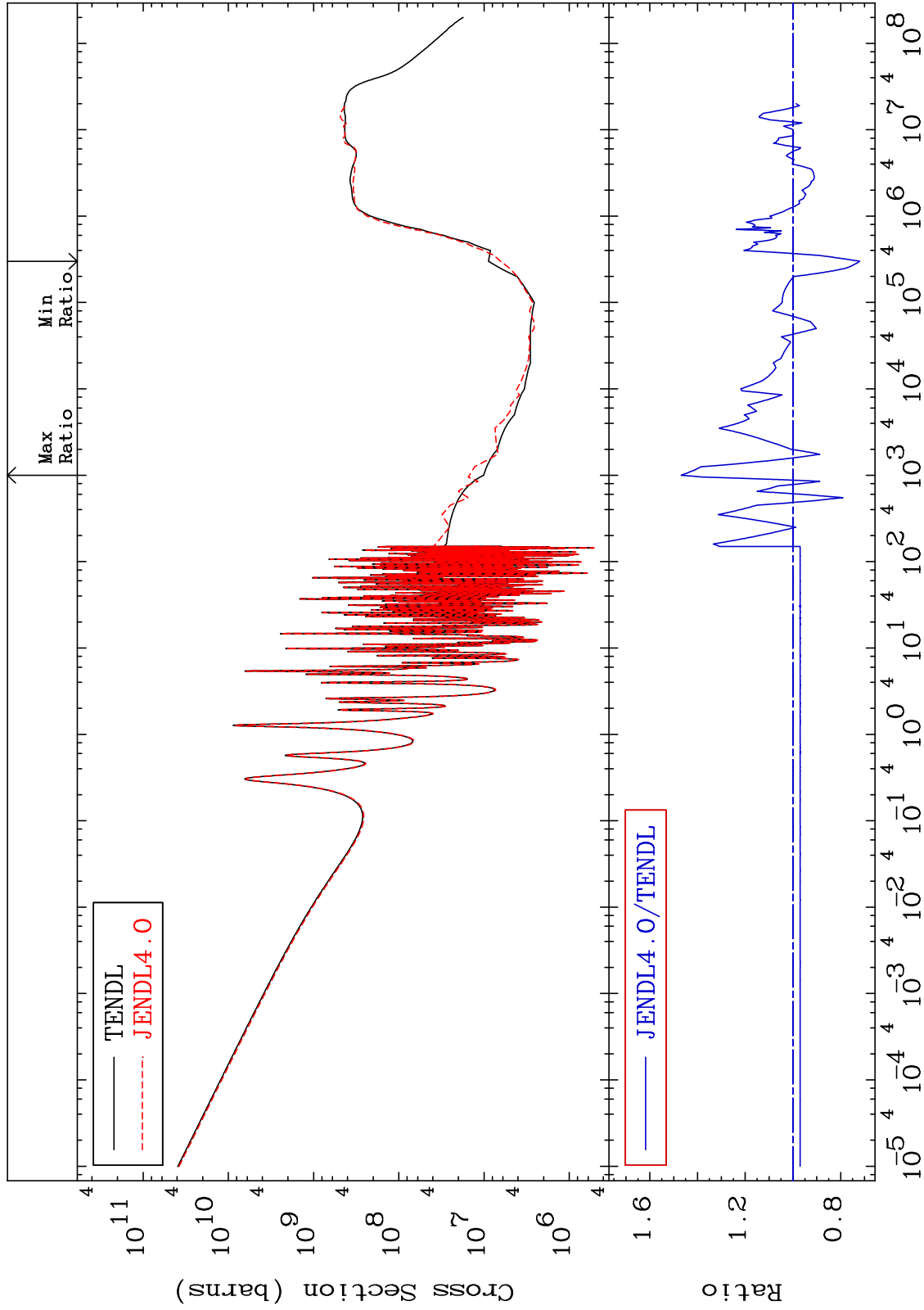
MAT 9543 Kerma inelastic (mt51-91) 95-Am-241
 Cross Section -98.44 To 23.44 %



MAT 9543

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

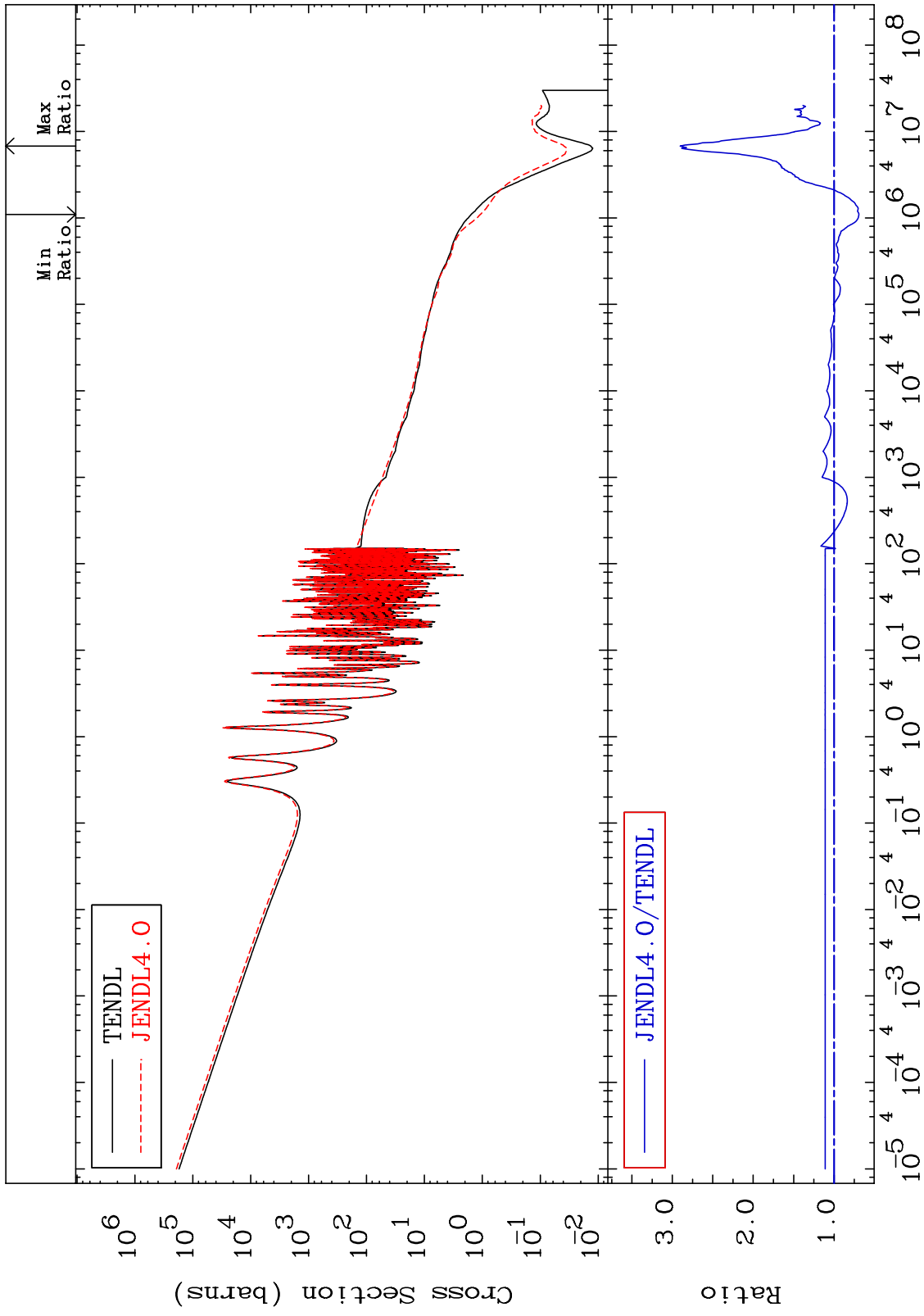
95-Am-241
-28.00 To 46.82 %



MAT 9543

Kerma capture (mt102)
Cross Section

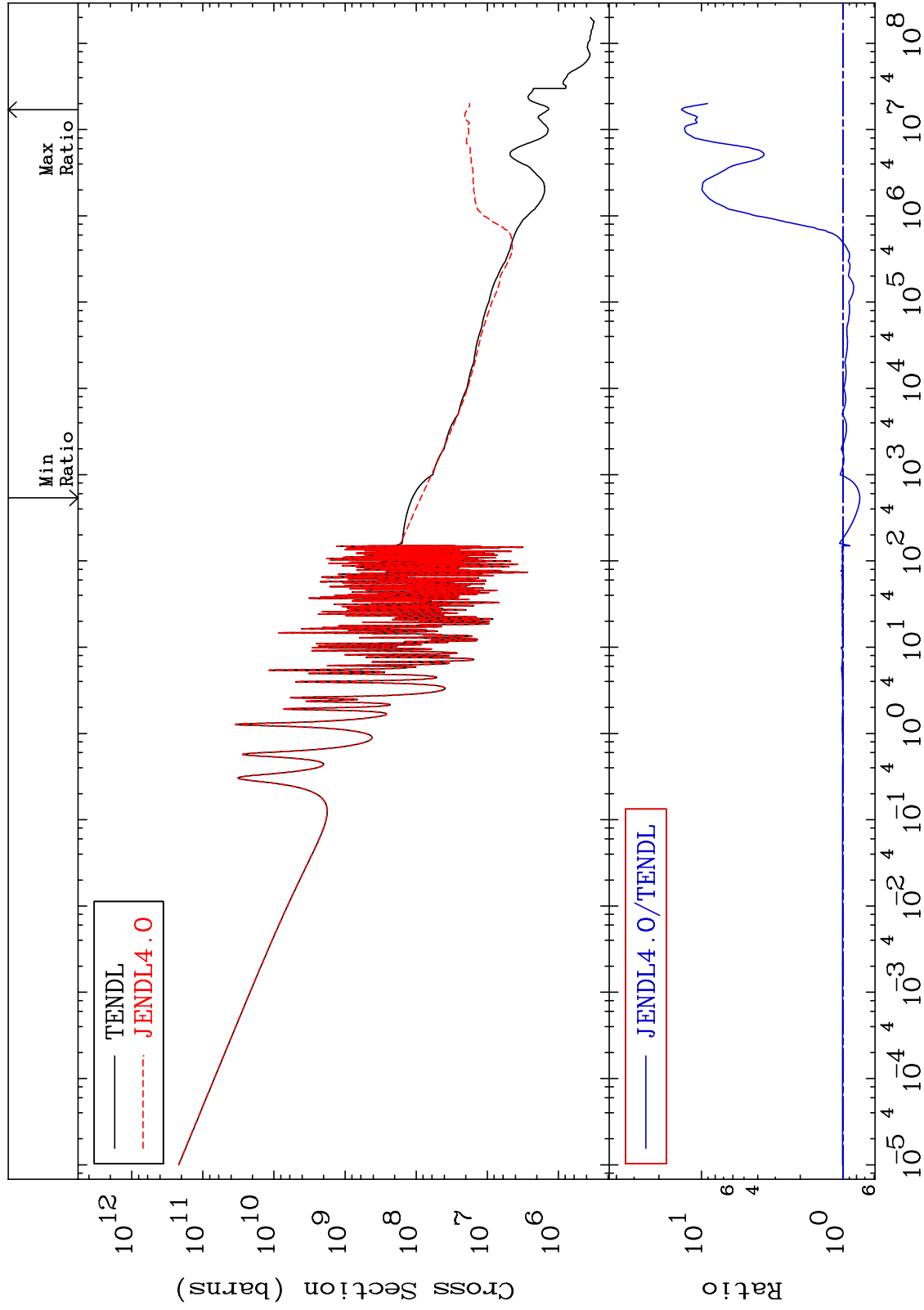
95-Am-241
-30.69 To 190.3 %



MAT 9543

Total photon (eV-barns)
Cross Section

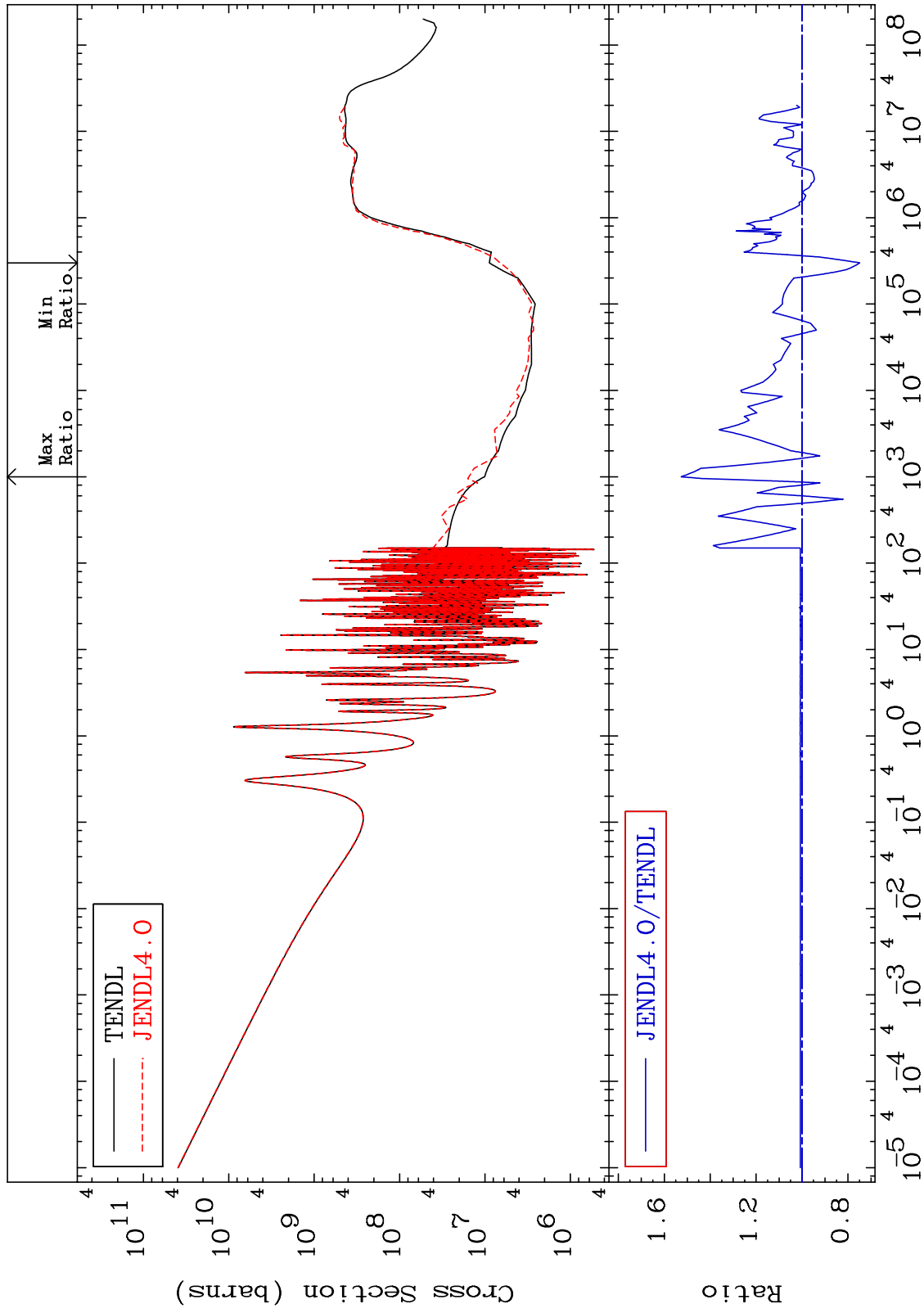
95-Am-241
-24.10 To 1287. %



MAT 9543

Total kinematic kerma (high limit)
Cross Section

95-Am-241
-25.12 To 52.61 %



40

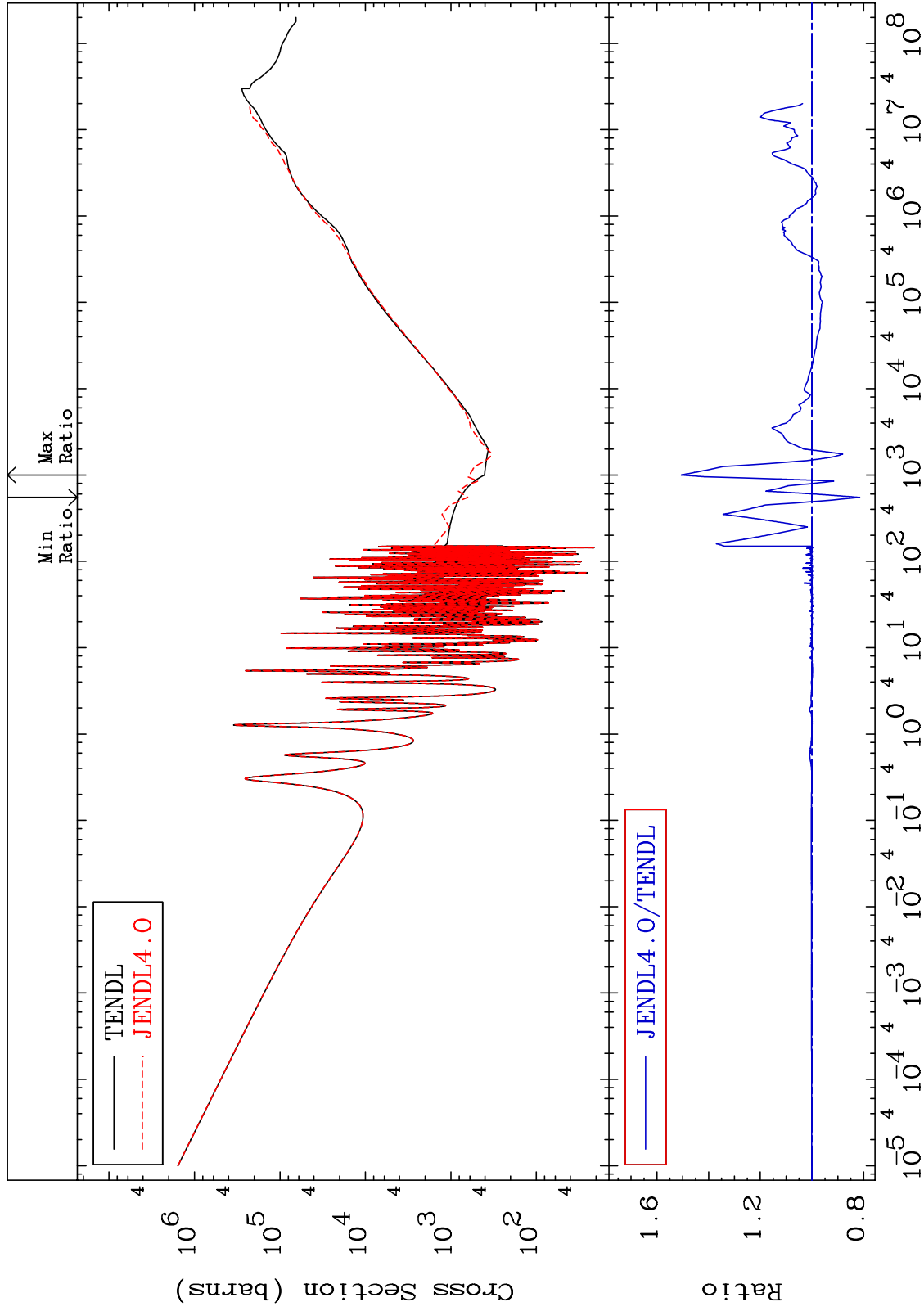
Incident Energy (eV)

95-Am-241

MAT 9543

Dpa total (eV-barns)
Cross Section

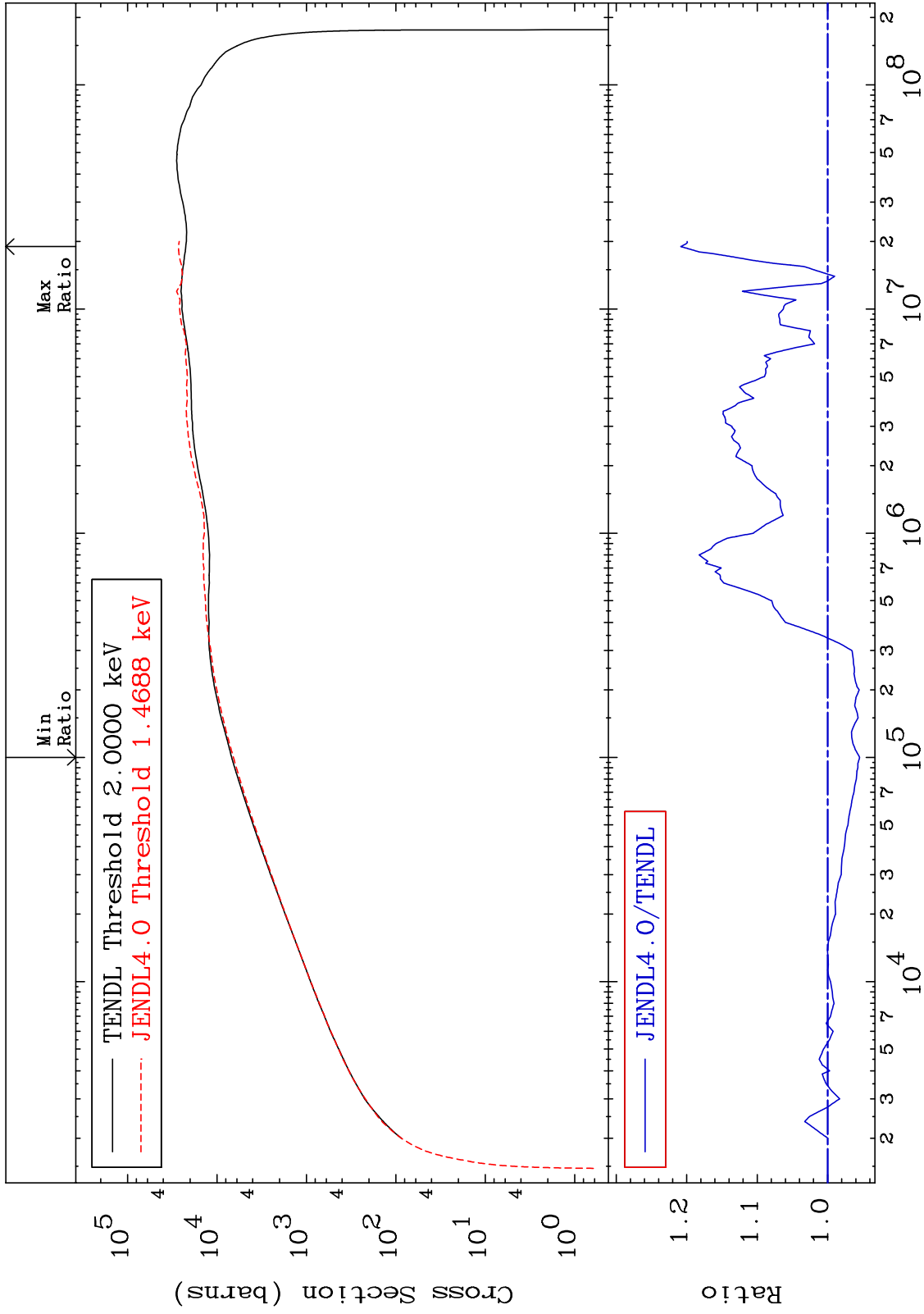
95-Am-241
-18.48 To 50.58 %



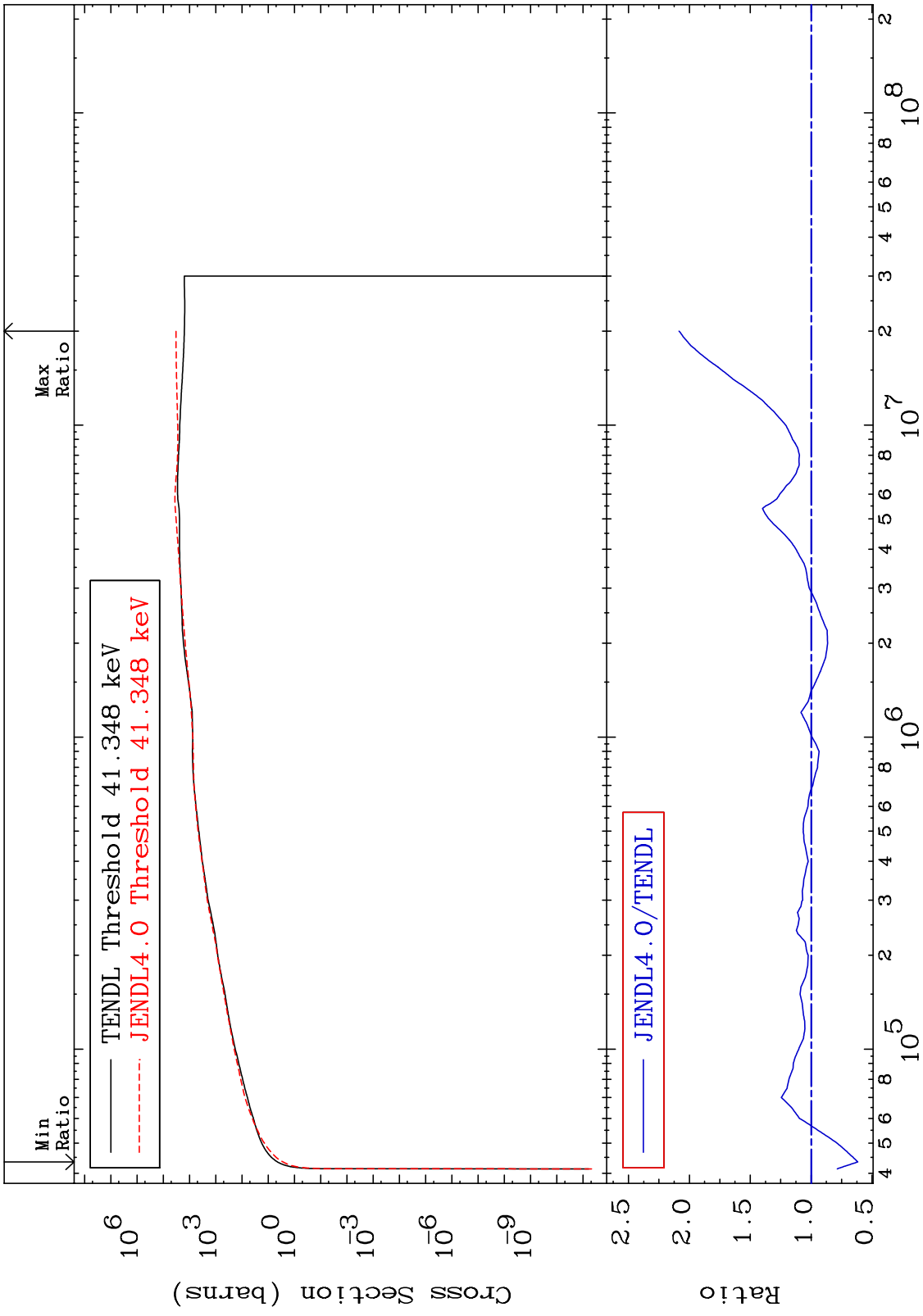
MAT 9543

Dpa elastic (mt2)
Cross Section

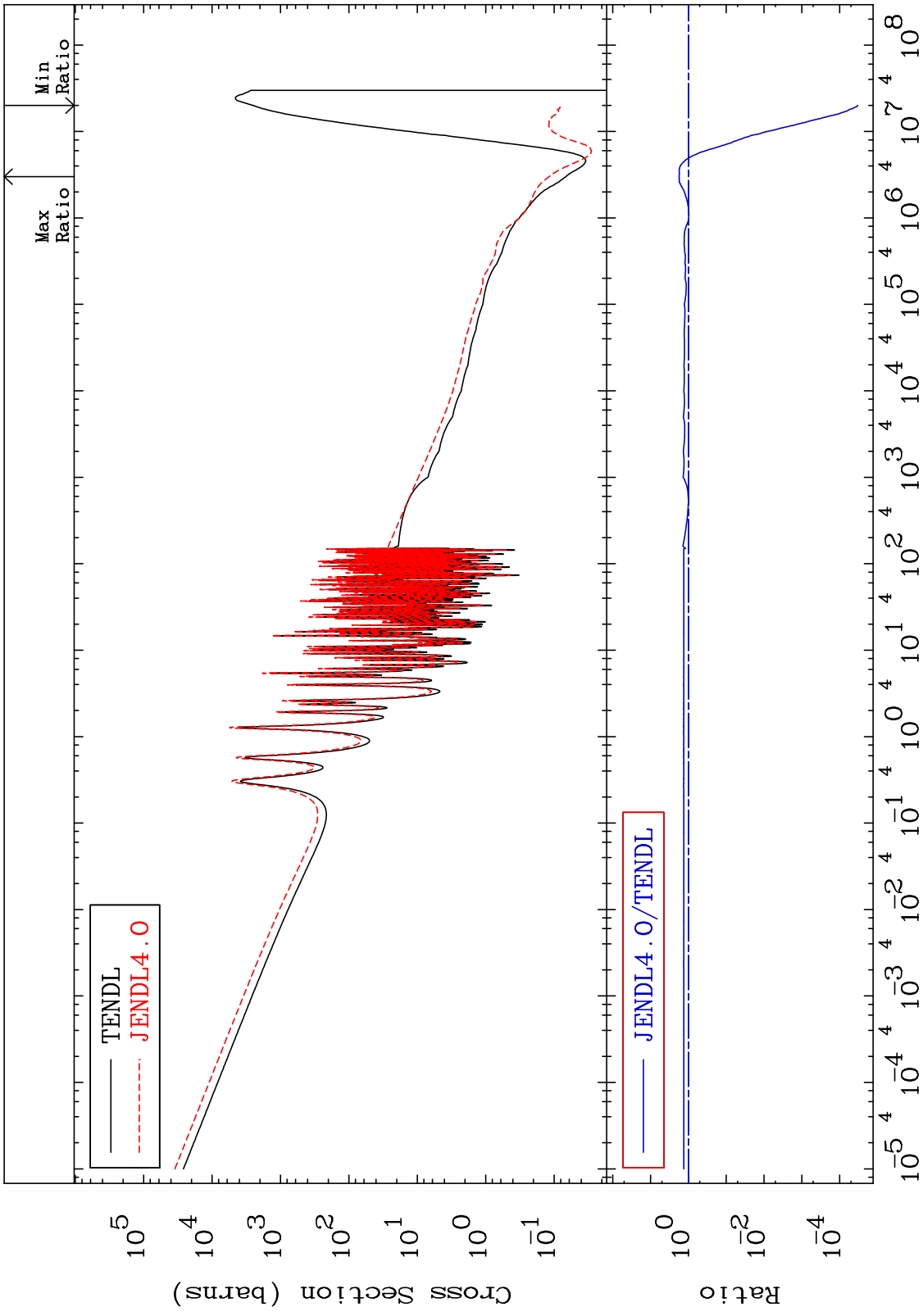
95-Am-241
-4.543 To 20.84 %



MAT 9543 Dpa inelastic (mt51-91) 95-Am-241
 Cross Section -38.34 To 108.5 %

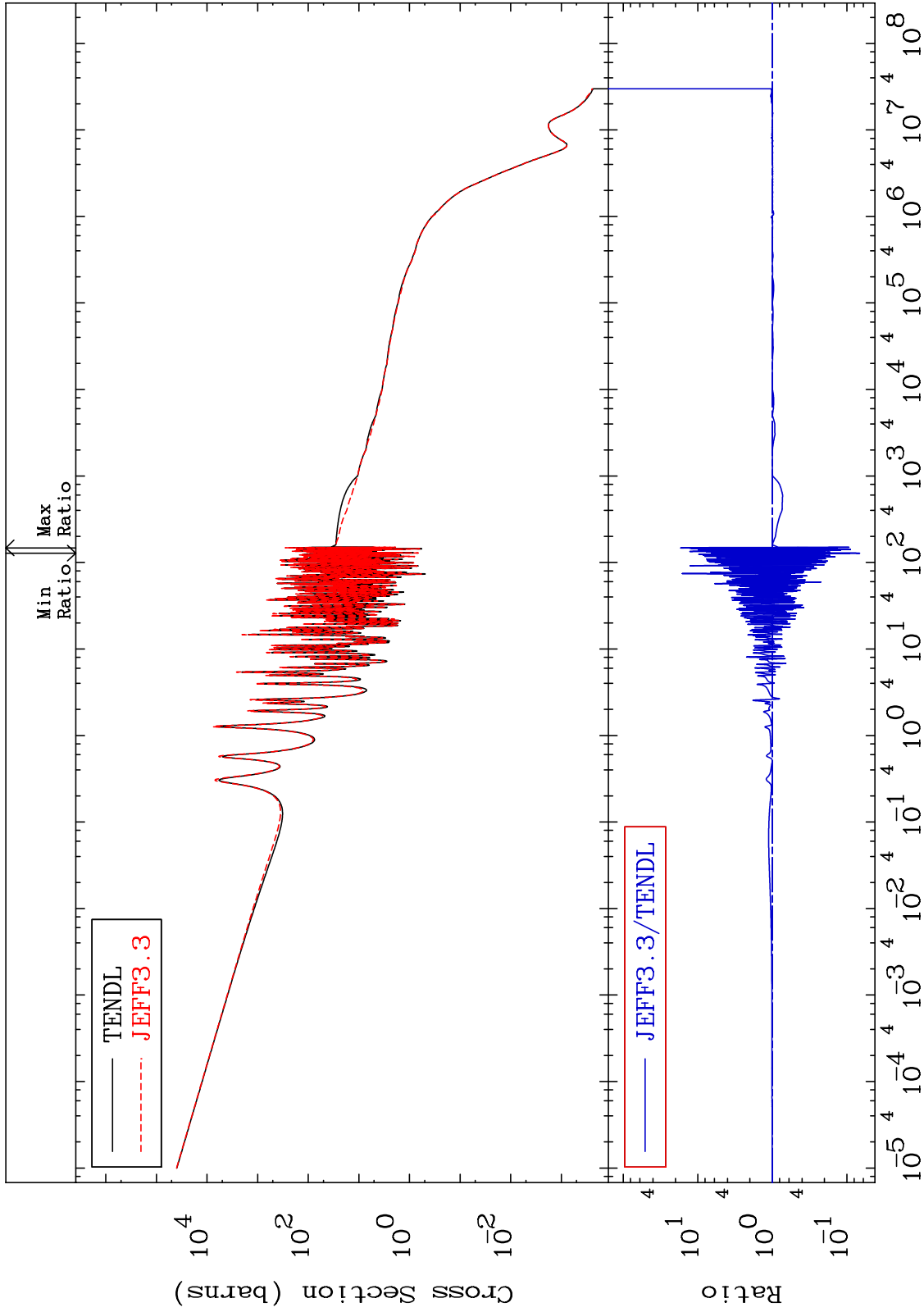


MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
 Cross Section -100.0 To 76.93 %



MAT 9543

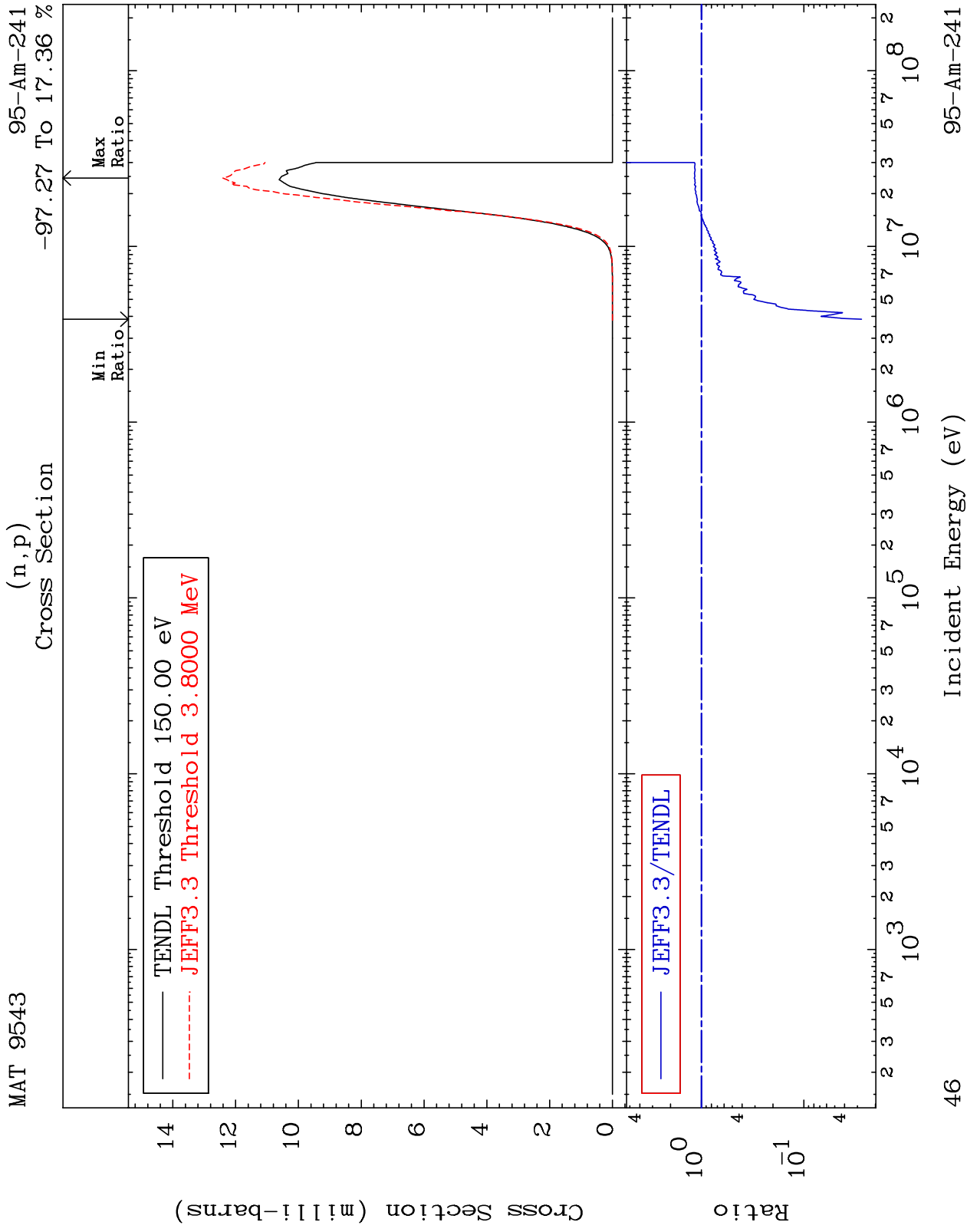
(n, γ) Cross Section
95-Am-241
-93.26 To 1593. %



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Incident Energy (eV)

95-Am-241

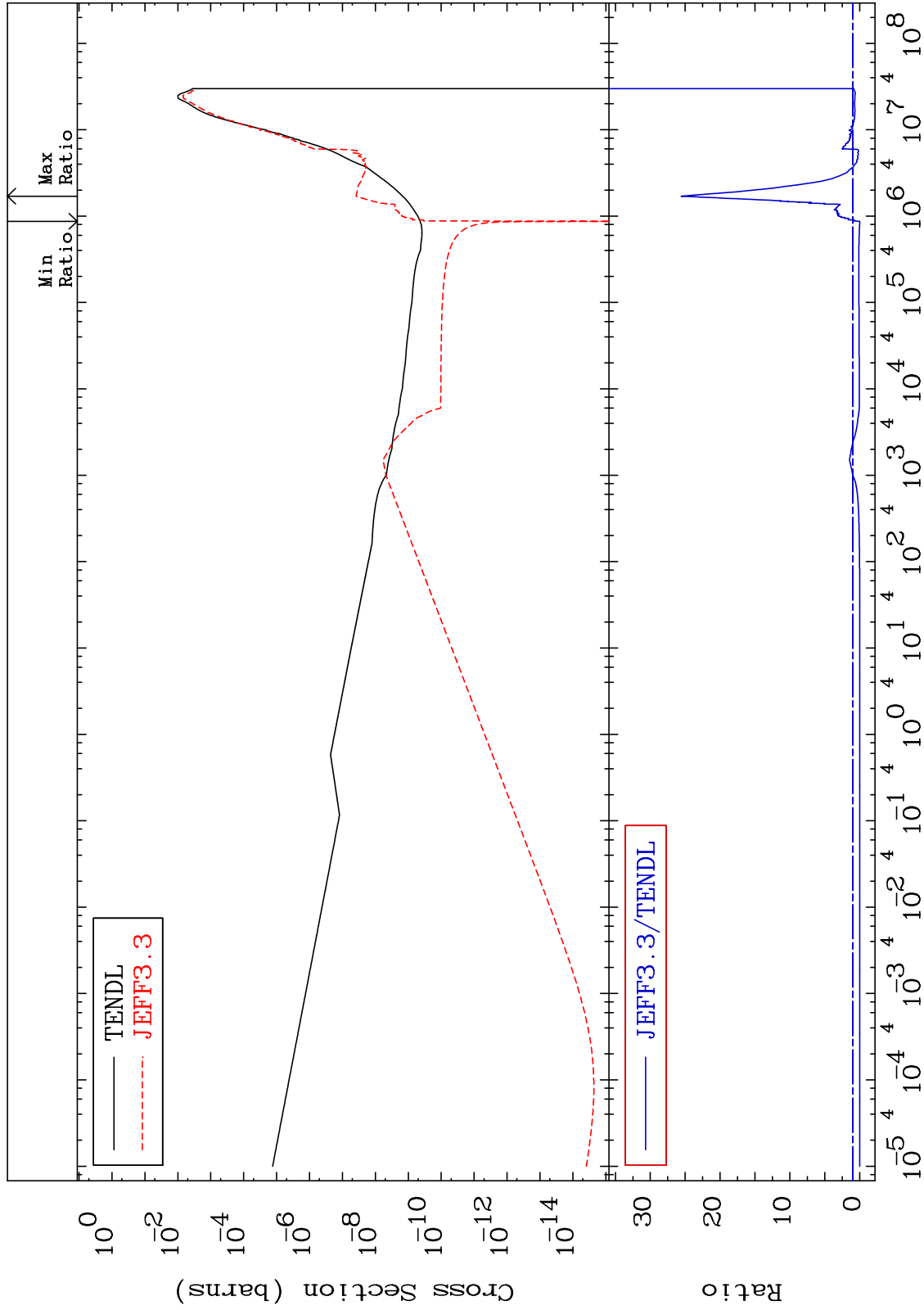


MAT 9543

(n, α)

Cross Section

95-Am-241
-100.0 To 2457. %



47

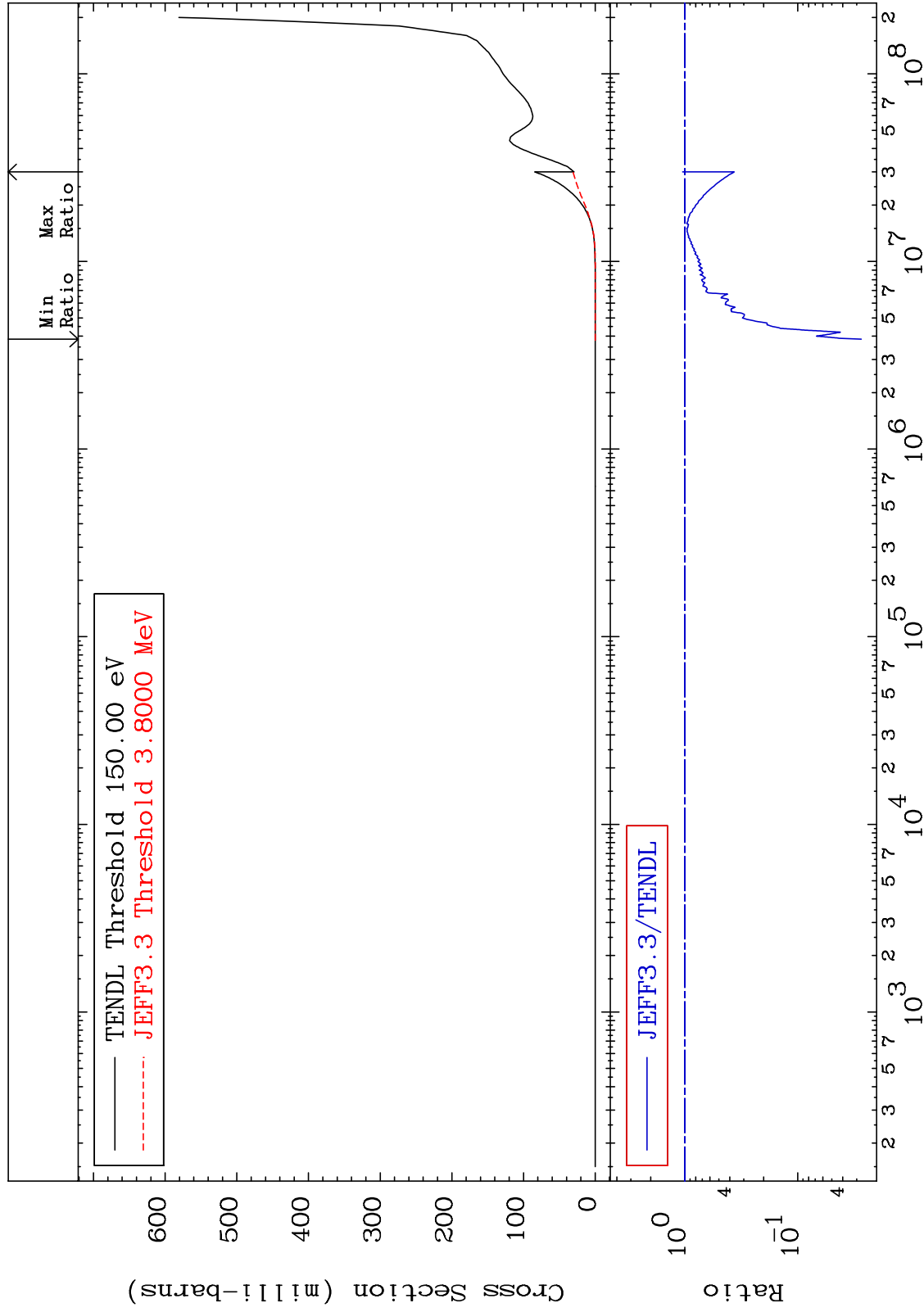
Incident Energy (eV)

95-Am-241

MAT 9543

Hydrogen Production Cross Section

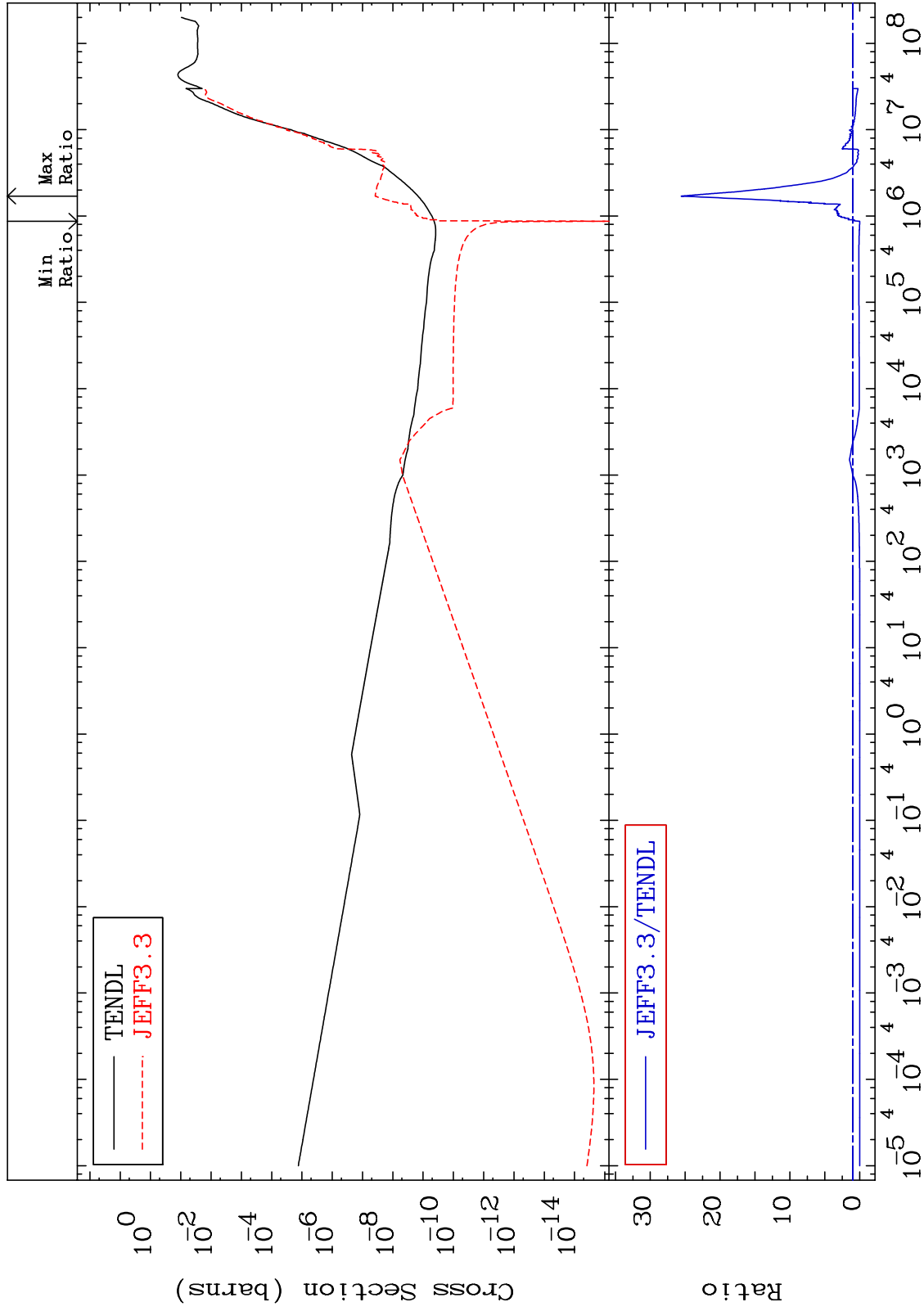
95-Am-241
-97.27 To 4.396 %



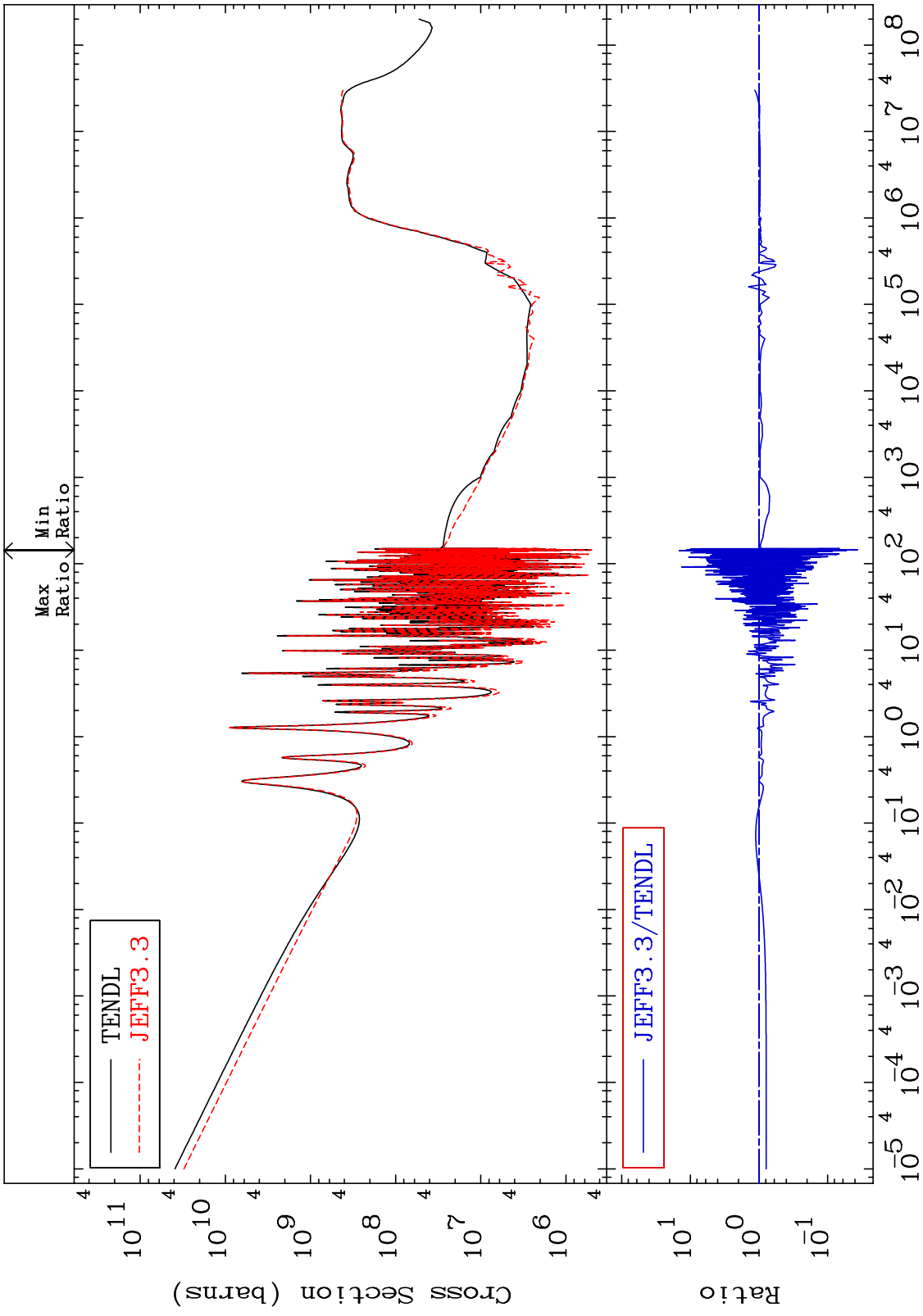
MAT 9543

He-4 Production
Cross Section

95-Am-241
-100.0 To 2457. %



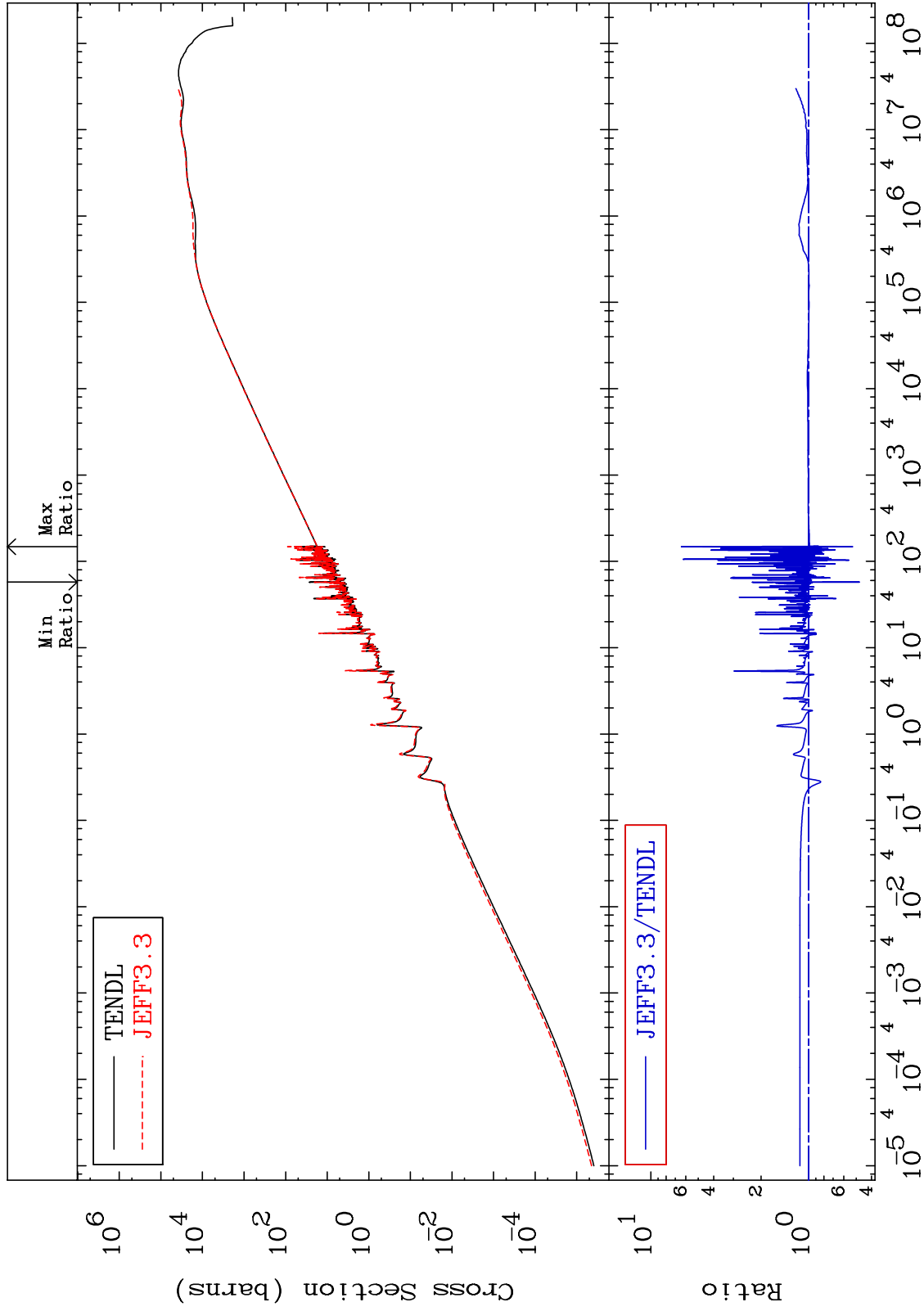
MAT 9543 Kerma total (eV-barns) 95-Am-241
 Cross Section -96.36 To 1359. %



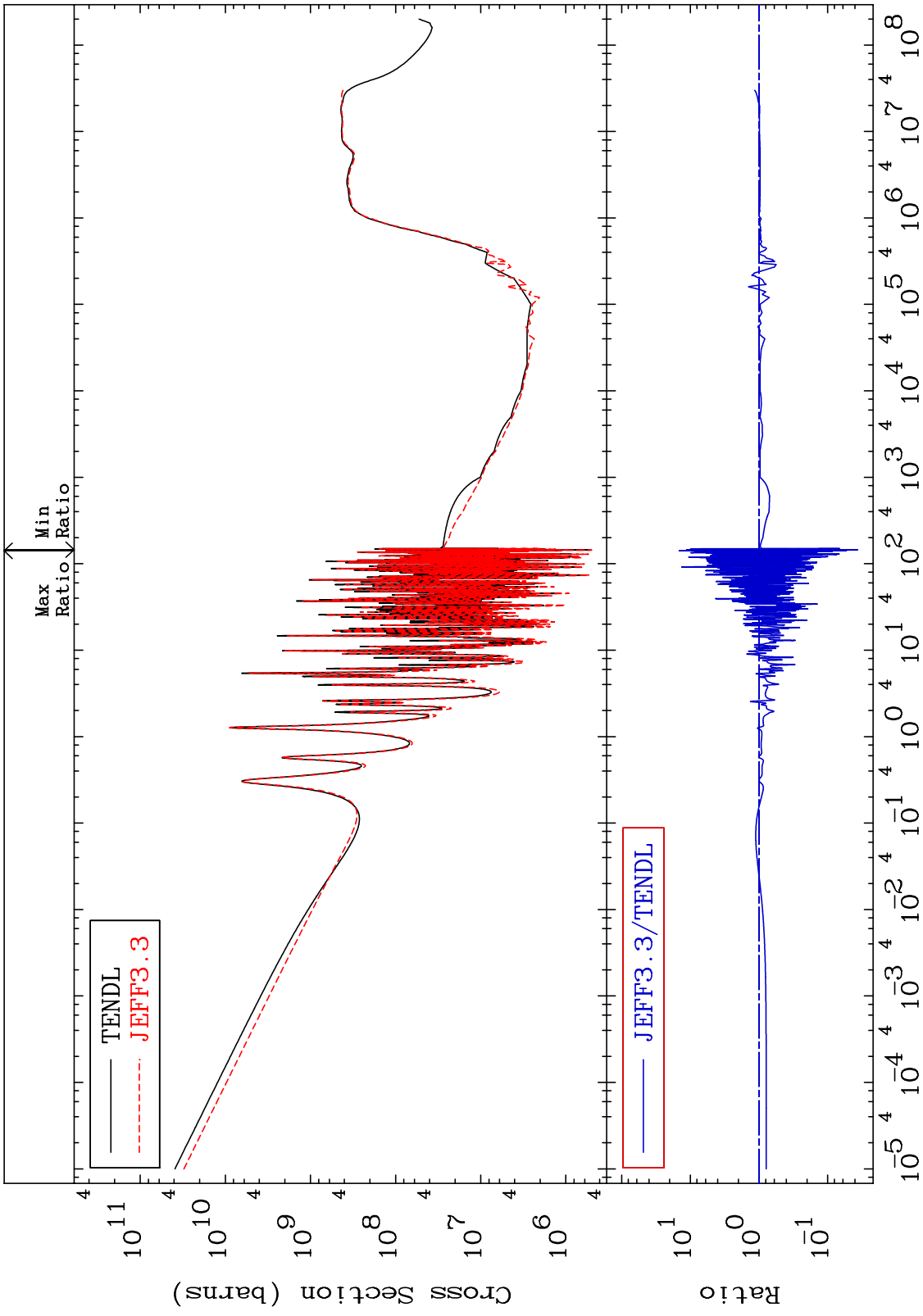
MAT 9543

Kerma elastic
Cross Section

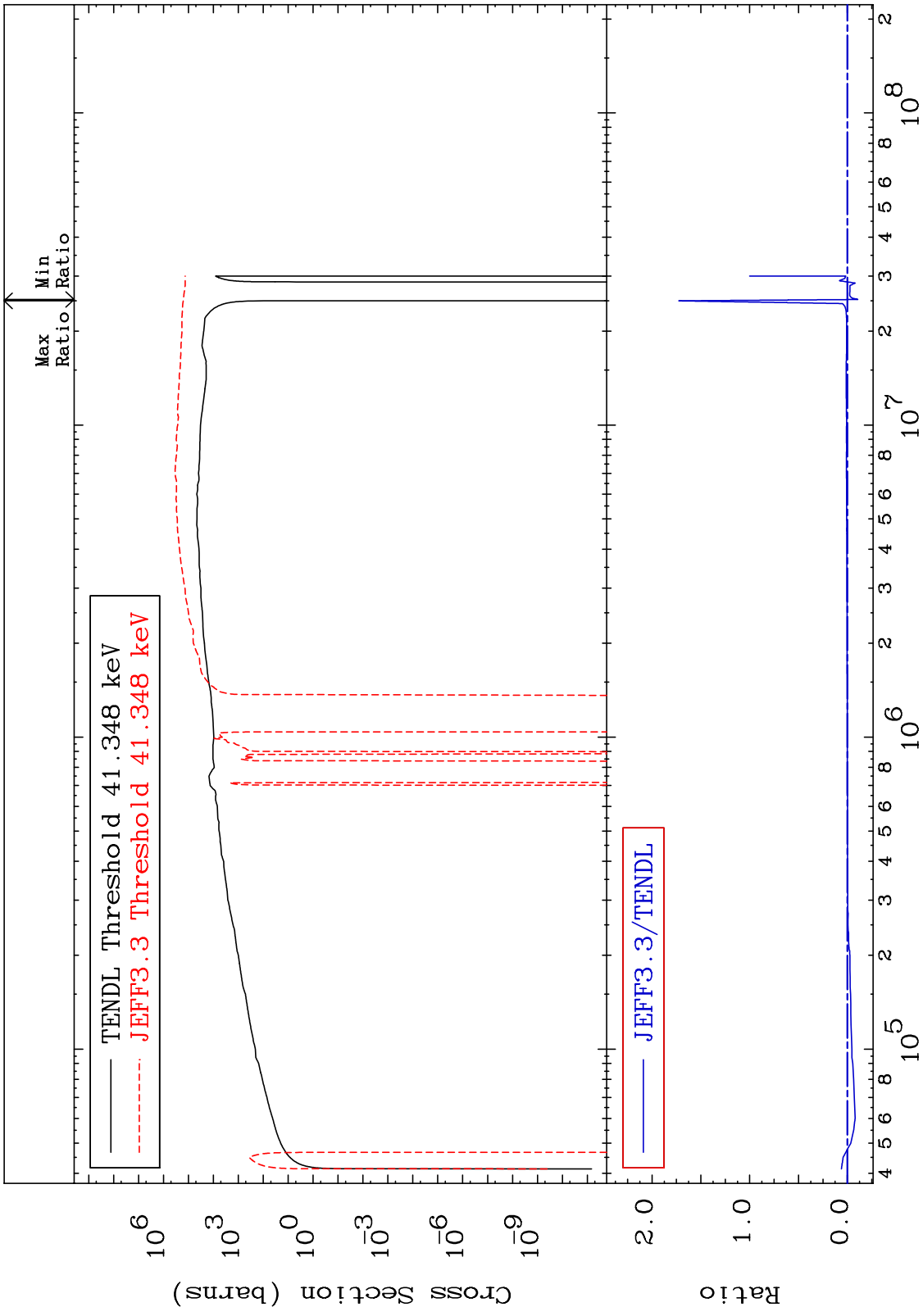
95-Am-241
-52.53 To 541.1 %



MAT 9543 Kerma non-elastic (all but mt2) 95-Am-241
 -96.36 To 1359. %
 Cross Section



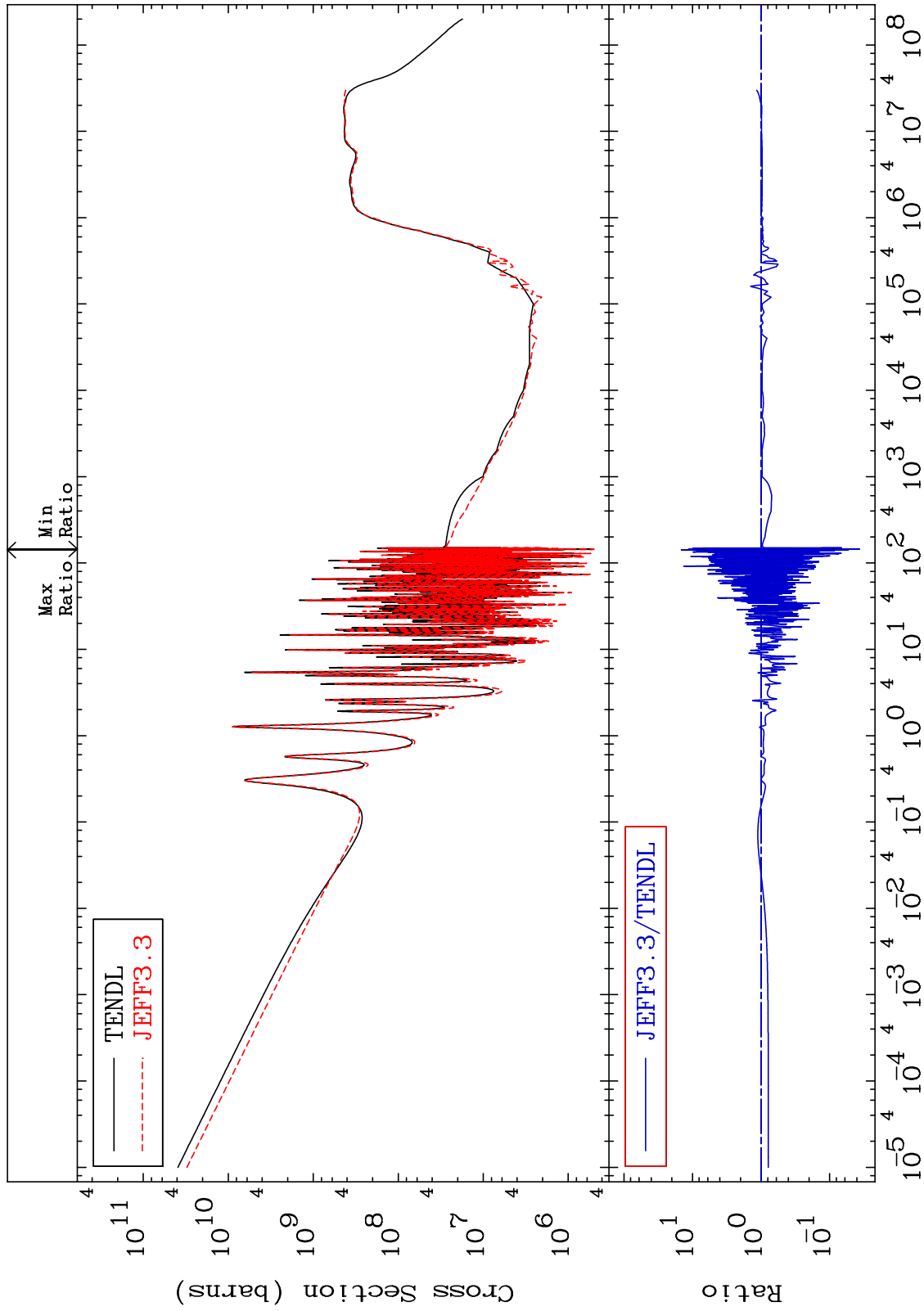
MAT 9543 Kerma inelastic (mt51-91) 95-Am-241
 Cross Section -9999. To 9999. %



MAT 9543

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

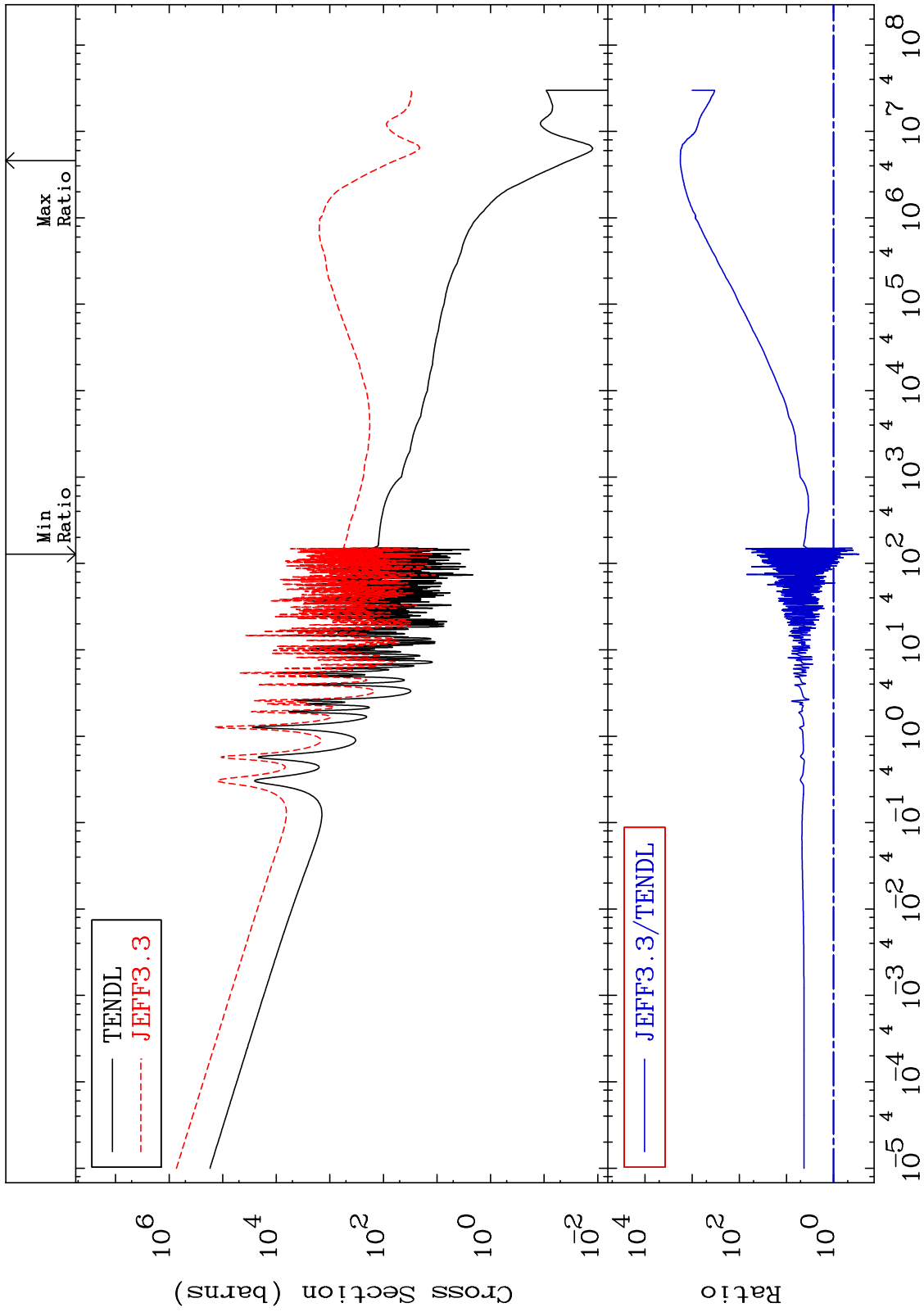
95-Am-241
-96.36 To 1359. %



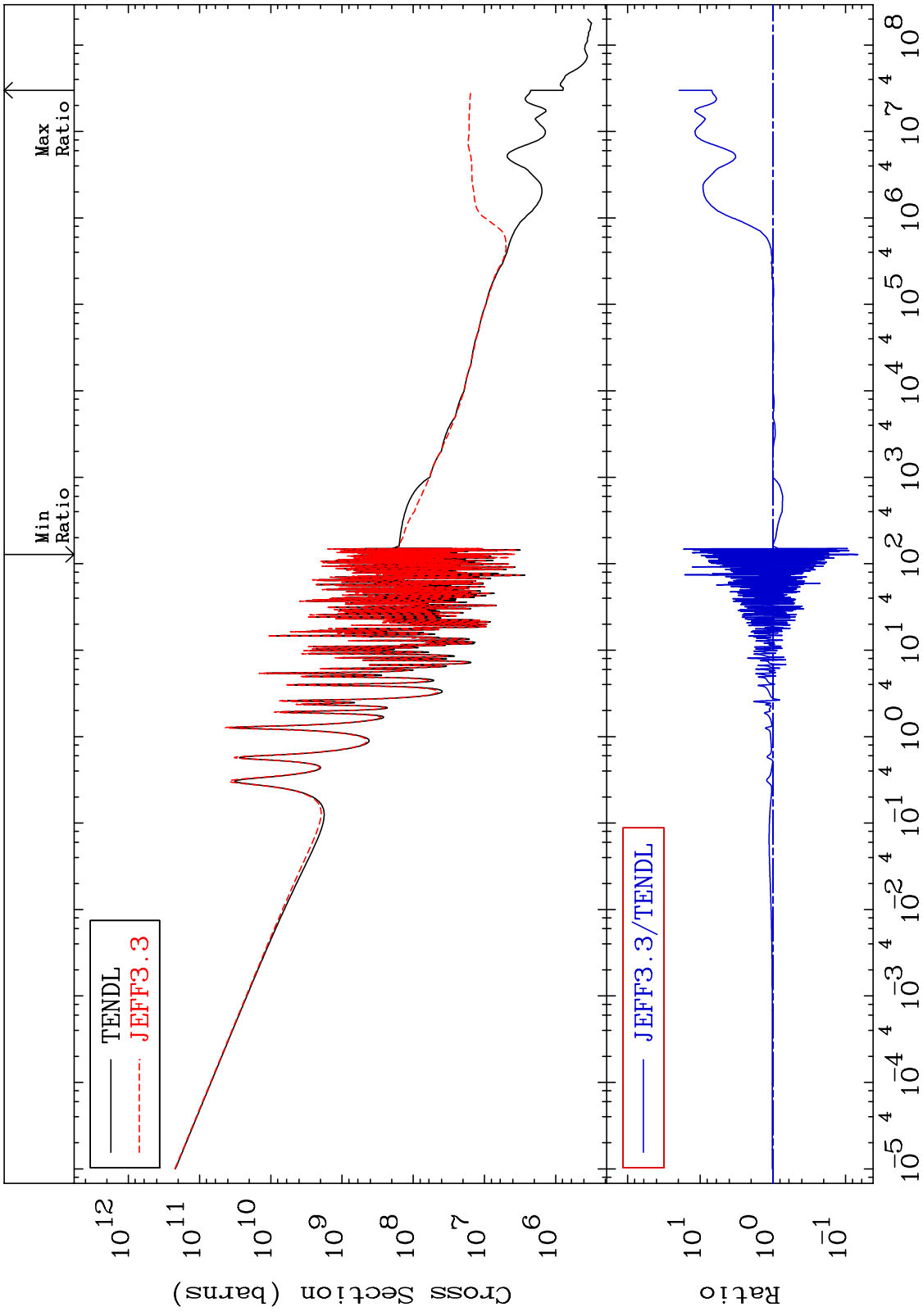
MAT 9543

Kerma capture (mt102)
Cross Section

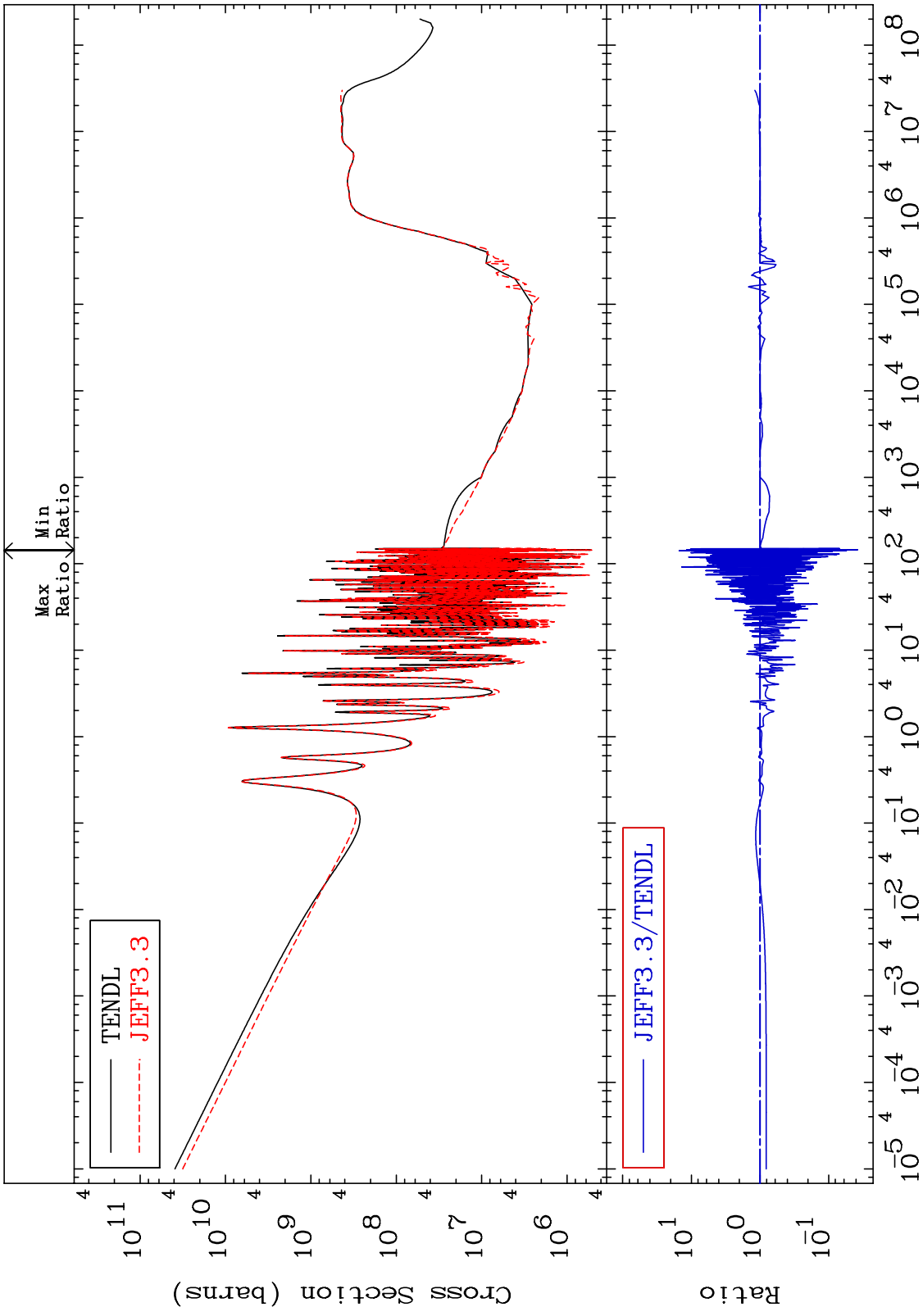
95-Am-241
-71.00 To 9999. %



MAT 9543 Total photon (eV-barns) Cross Section 95-Am-241 -93.23 To 1857. %



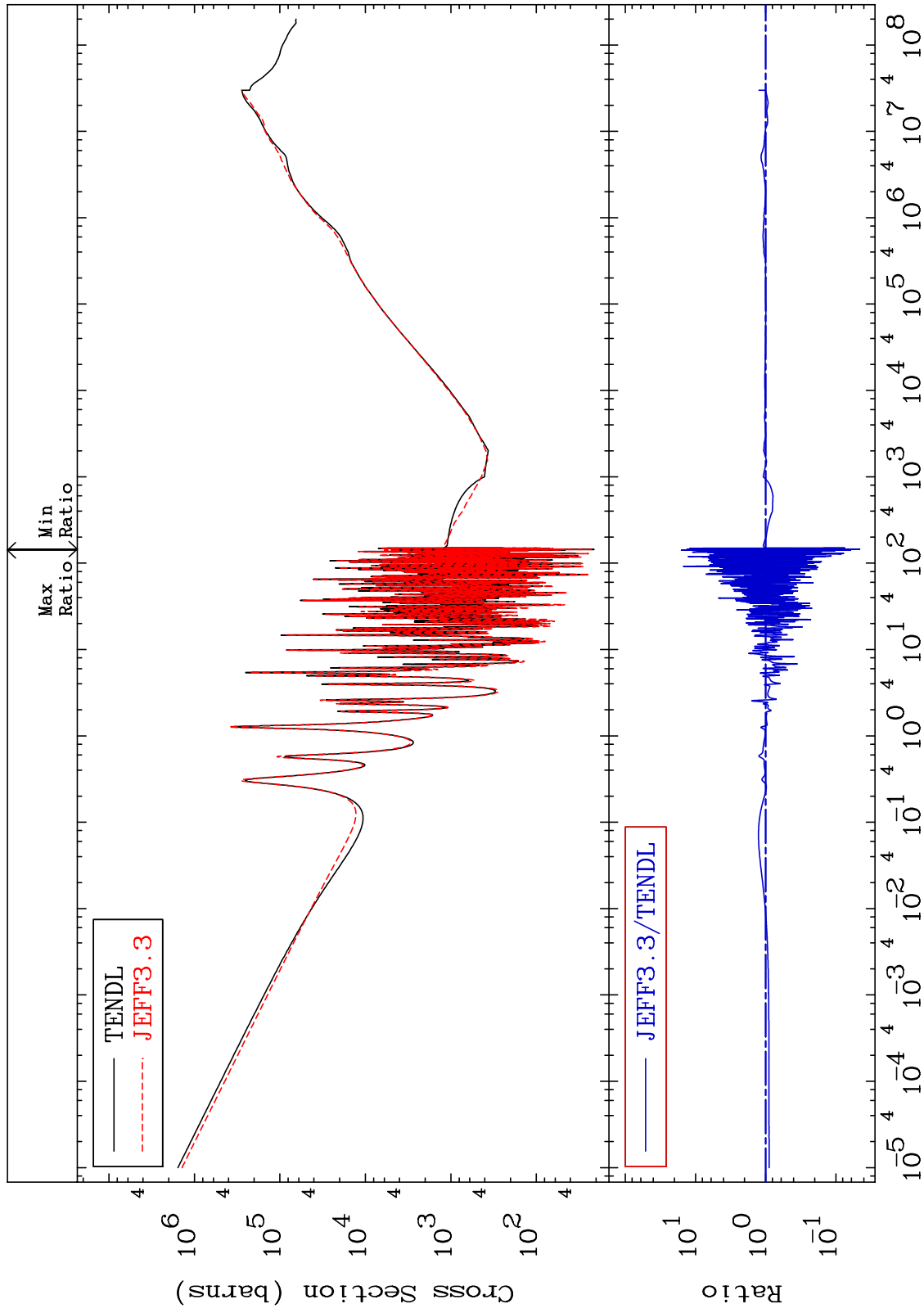
MAT 9543 Total kinematic kerma (high limit) 95-Am-241
 Cross Section -96.23 To 1410. %



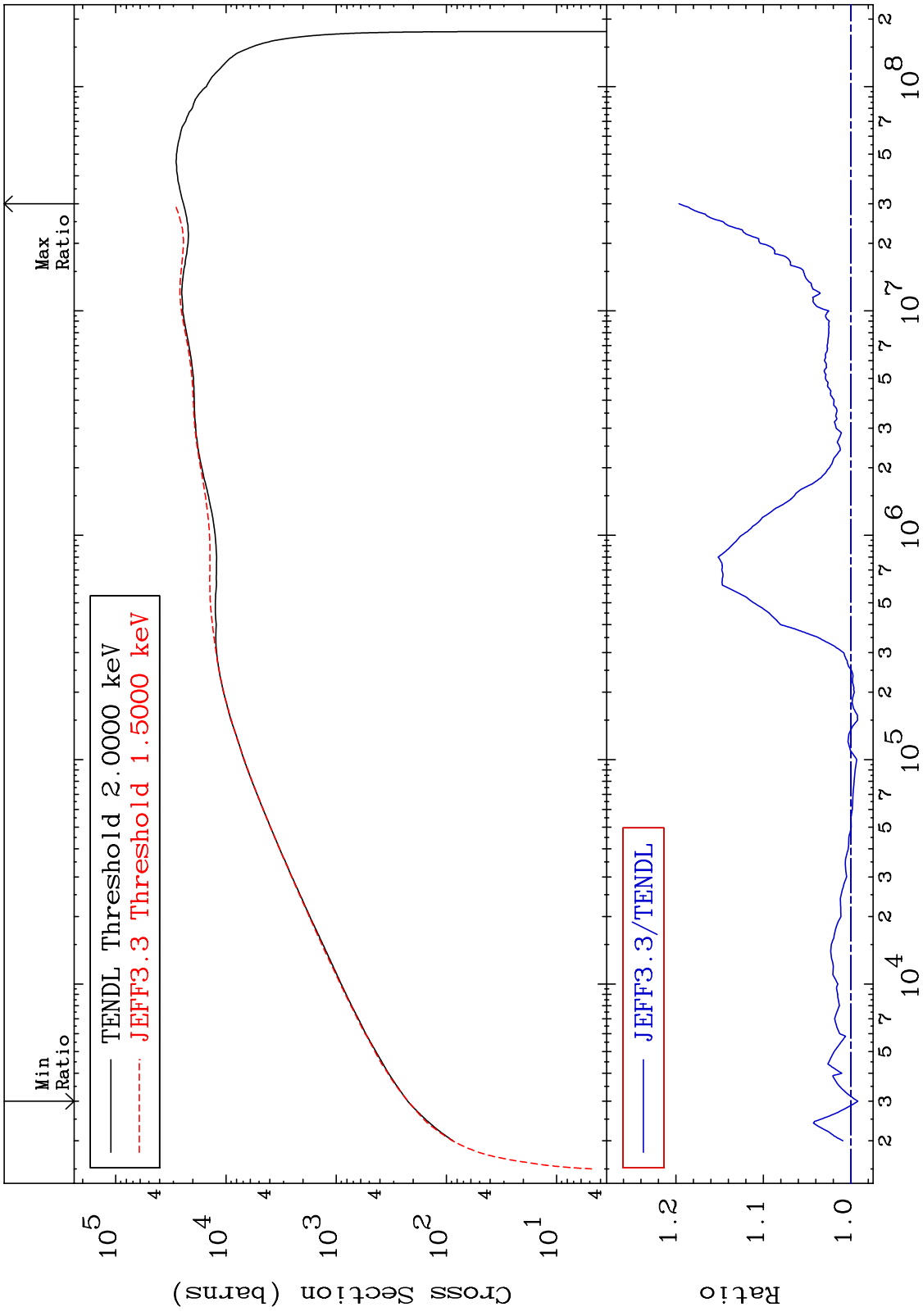
MAT 9543

Dpa total (eV-barns)
Cross Section

95-Am-241
-95.44 To 1497. %



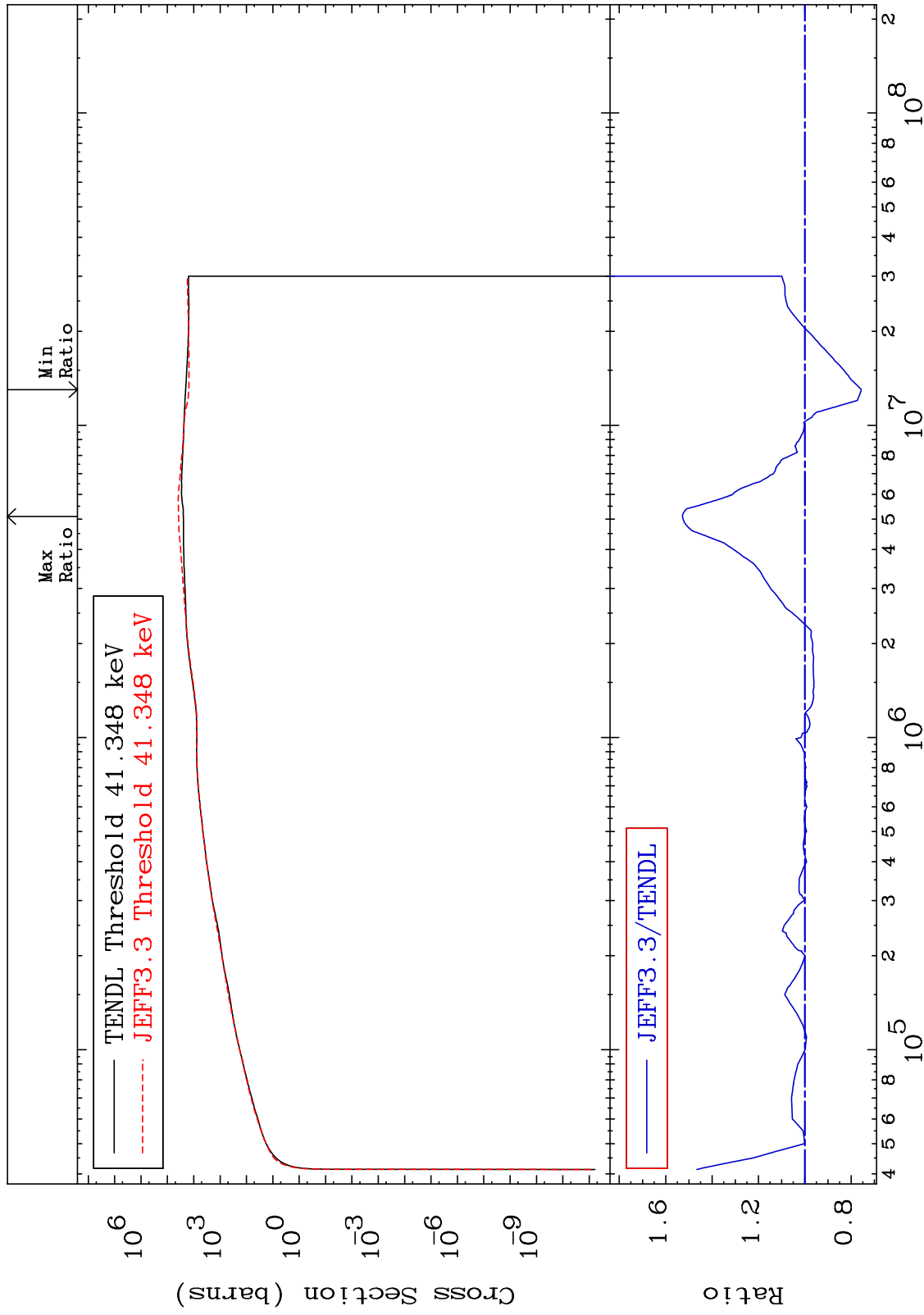
MAT 9543 95-Am-241
 Dpa elastic (mt2) Cross Section -0.796 To 19.64 %



MAT 9543

Dpa inelastic (mt51-91)
Cross Section

95-Am-241
-24.34 To 52.77 %



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Incident Energy (eV)

95-Am-241

MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
 Cross Section -69.75 To 8468. %

