

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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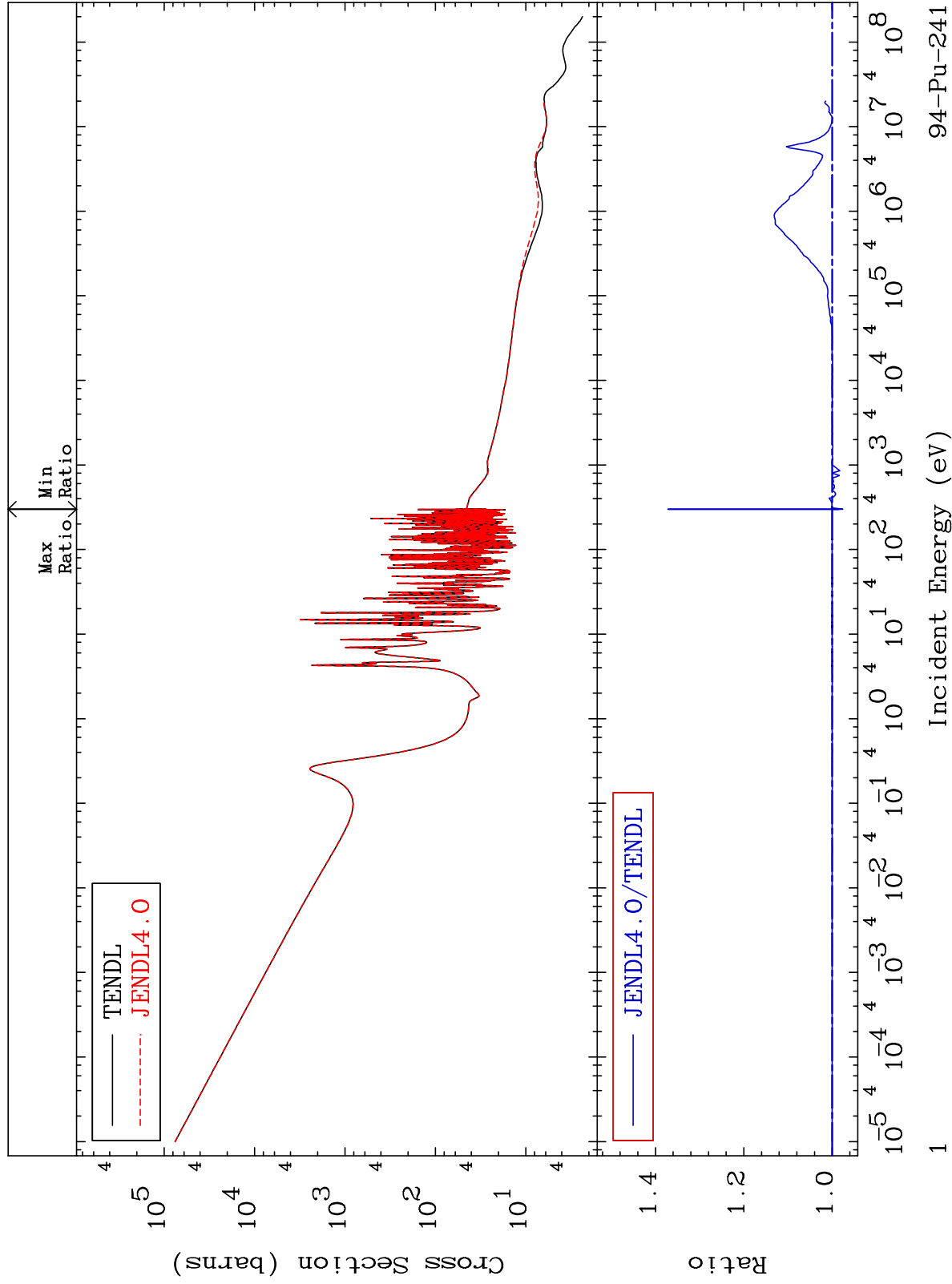
Tele: 925-443-1911

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

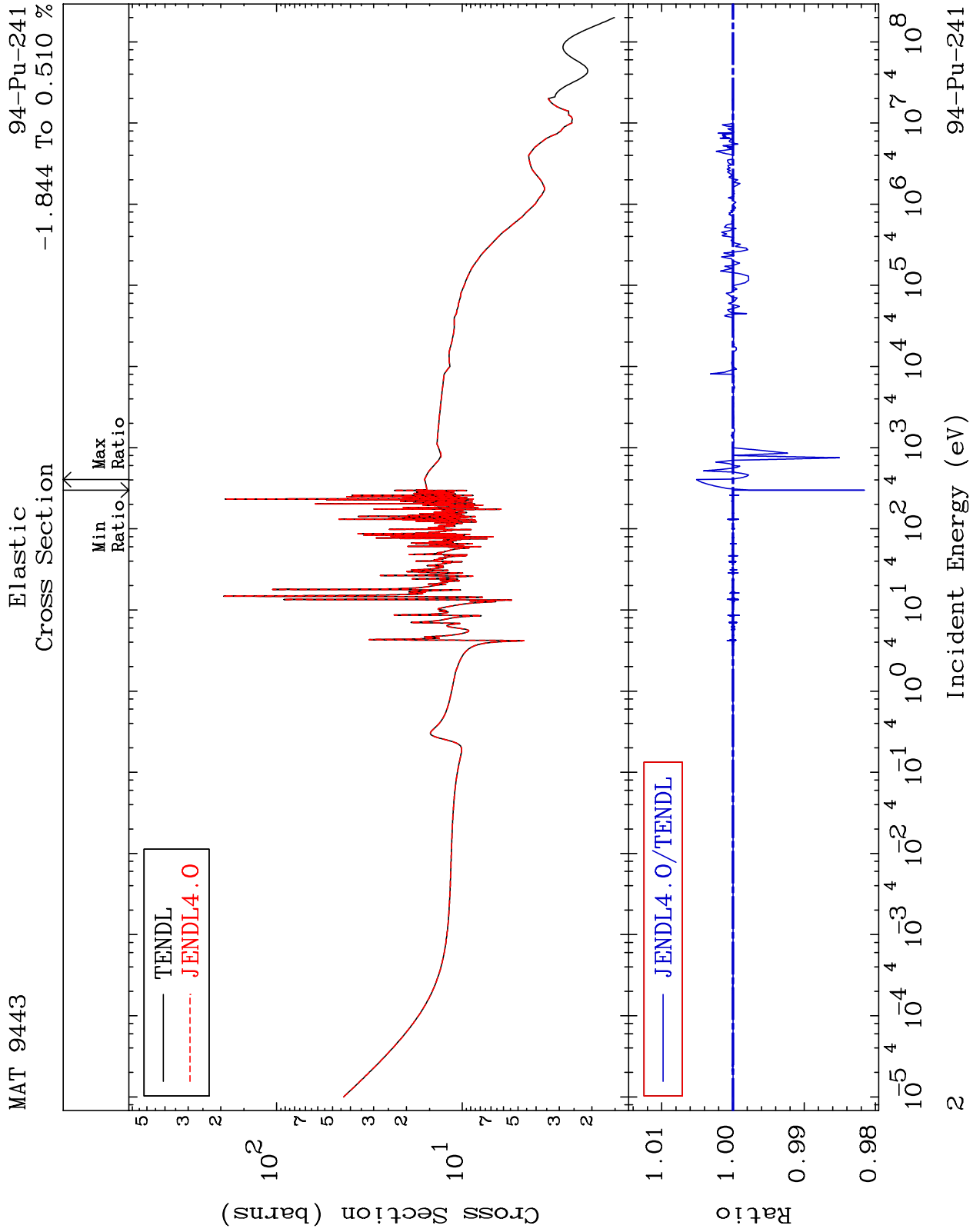
Press Mouse Button to Start

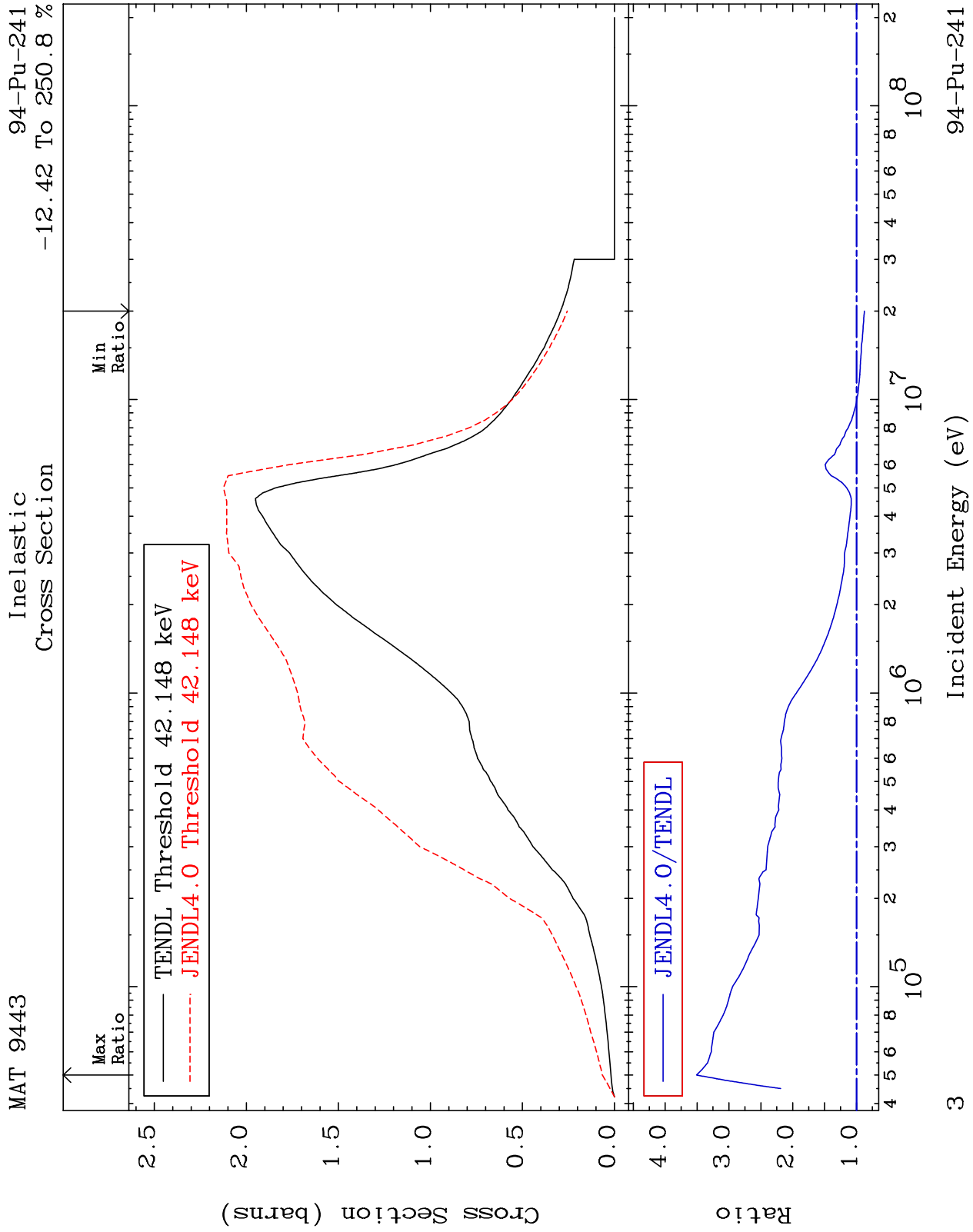
MAT 9443

Total Cross Section
94-Pu-241
-2.414 To 37.16 %



94-Pu-241





— TENDL Threshold 42.148 keV
 - - - JENDL4.0 Threshold 42.148 keV

JENDL4.0/TENDL

Max Ratio

Min Ratio

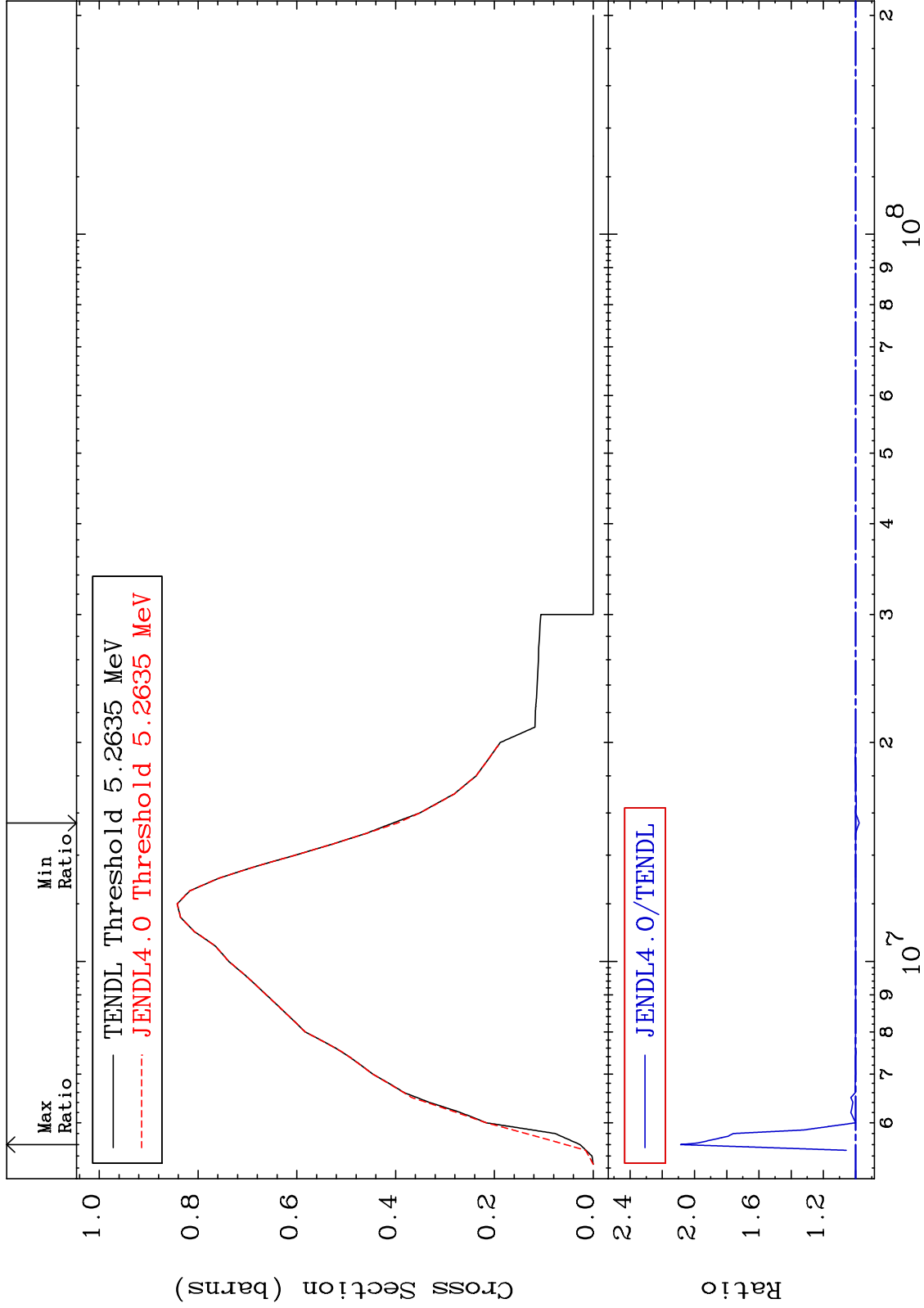
MAT 9443

(n,2n)

94-Pu-241

Cross Section

-2.233 To 108.6 %



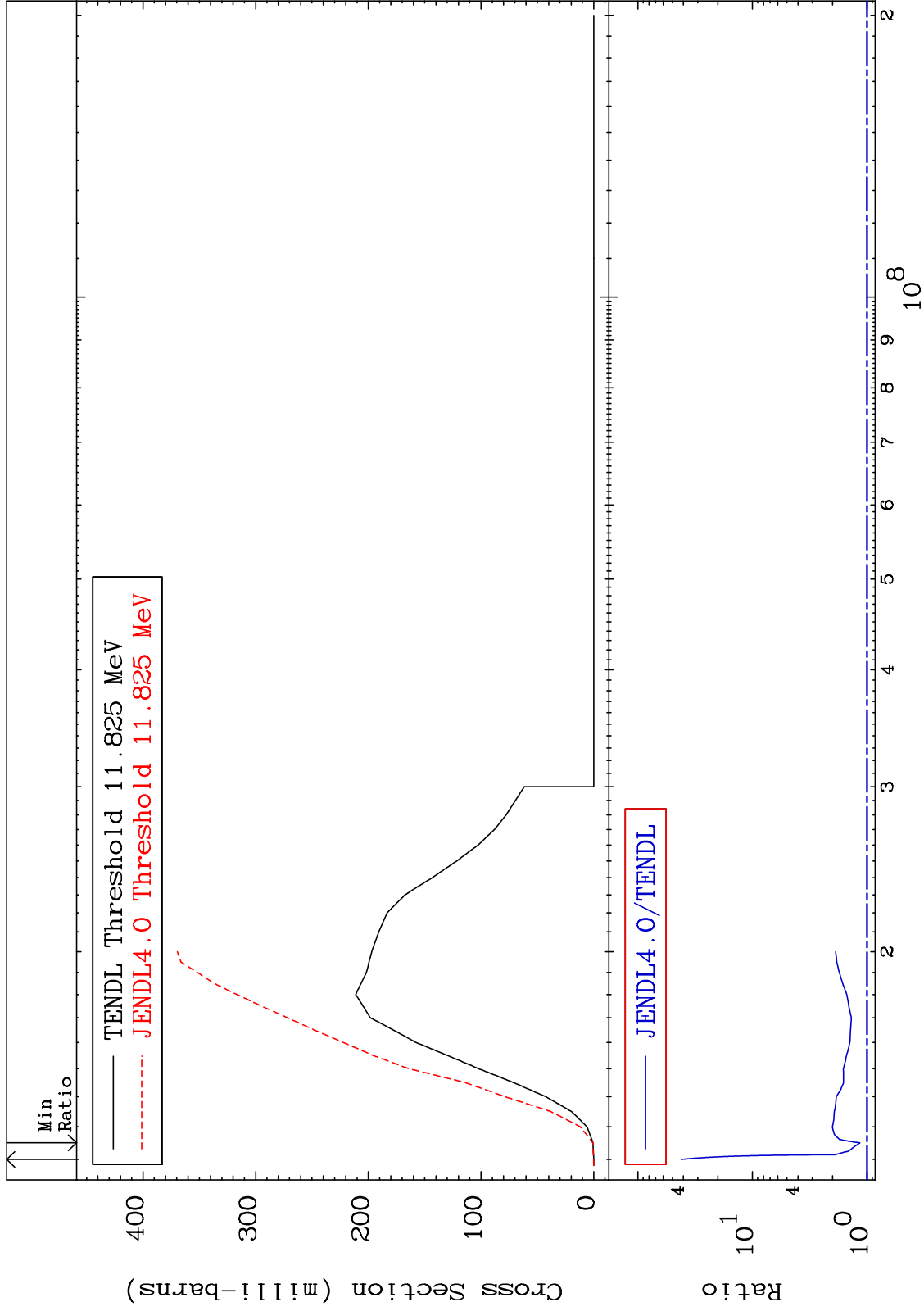
MAT 9443

(n,3n)

94-Pu-241

Cross Section

15.24 To 4083. %



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Incident Energy (eV)

94-Pu-241

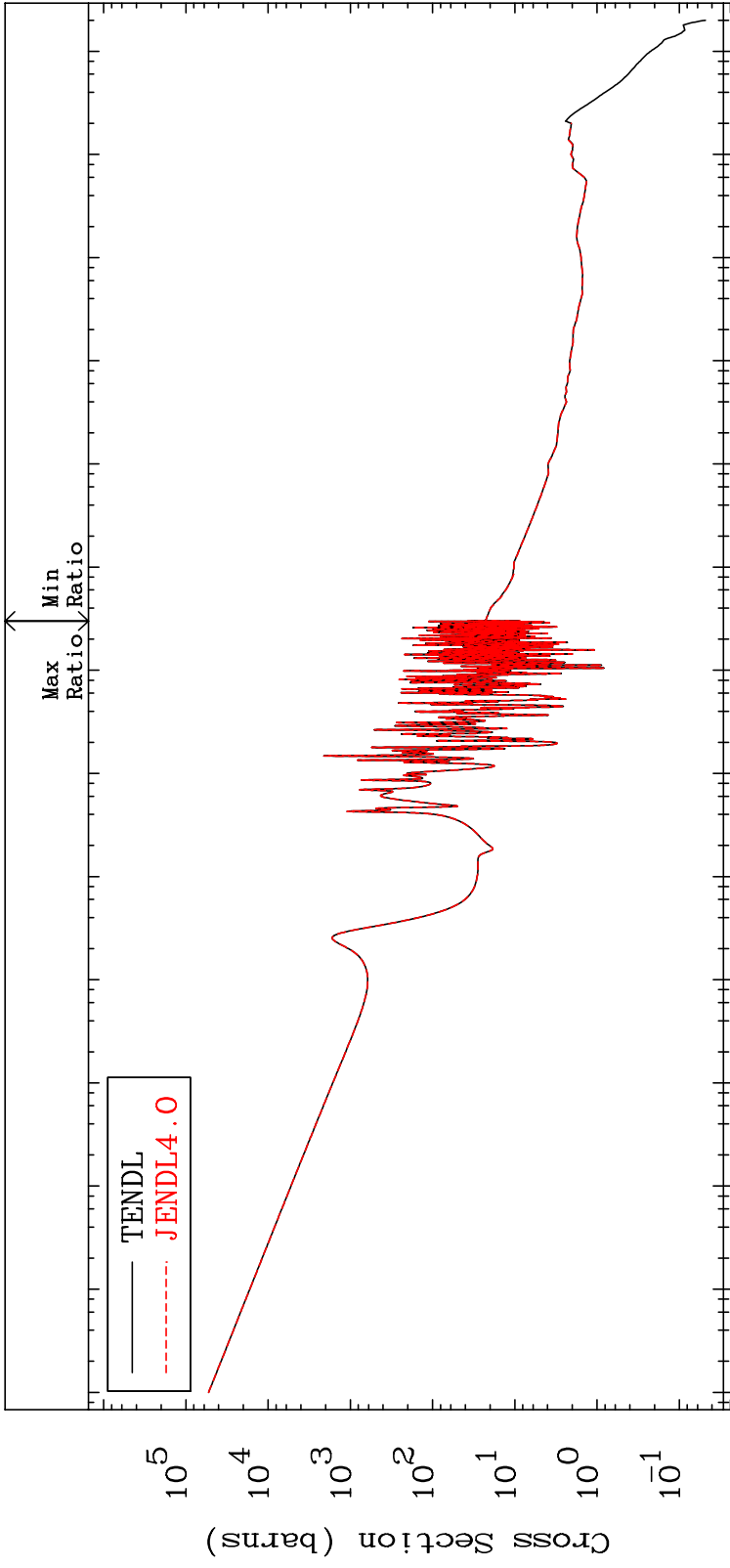
MAT 9443

Fission

94-Pu-241

Cross Section

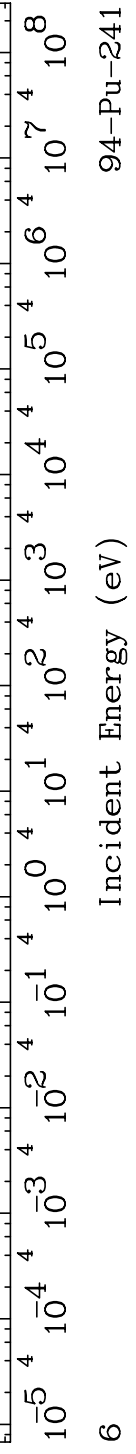
-5.336 To 71.45 %



— TENDL
- - - JENDL4.0

— JENDL4.0/TENDL

Ratio
1.6
1.2

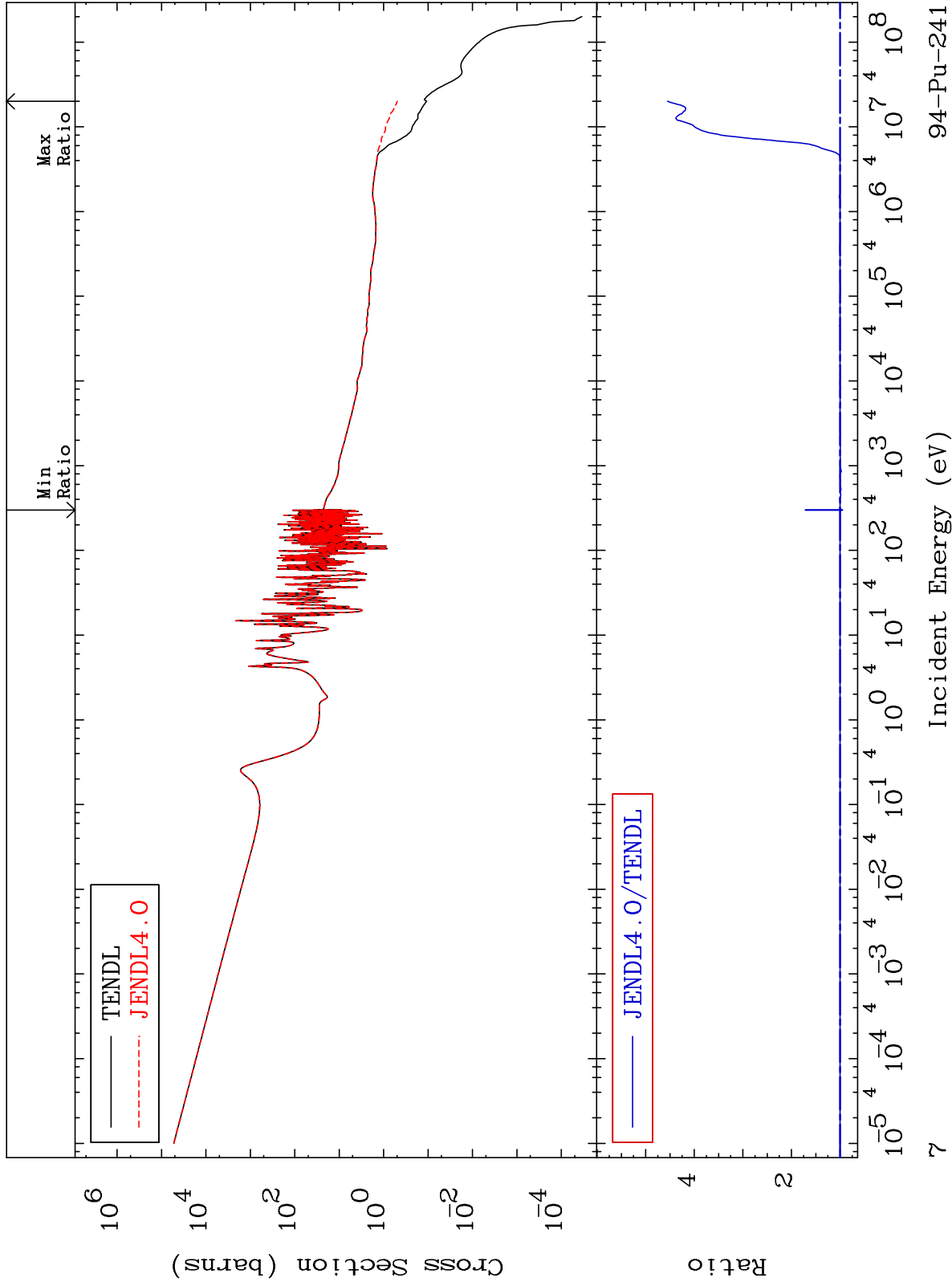


94-Pu-241

MAT 9443

(n,f) First Chance
Cross Section

94-Pu-241
-5.336 To 355.0 %



94-Pu-241

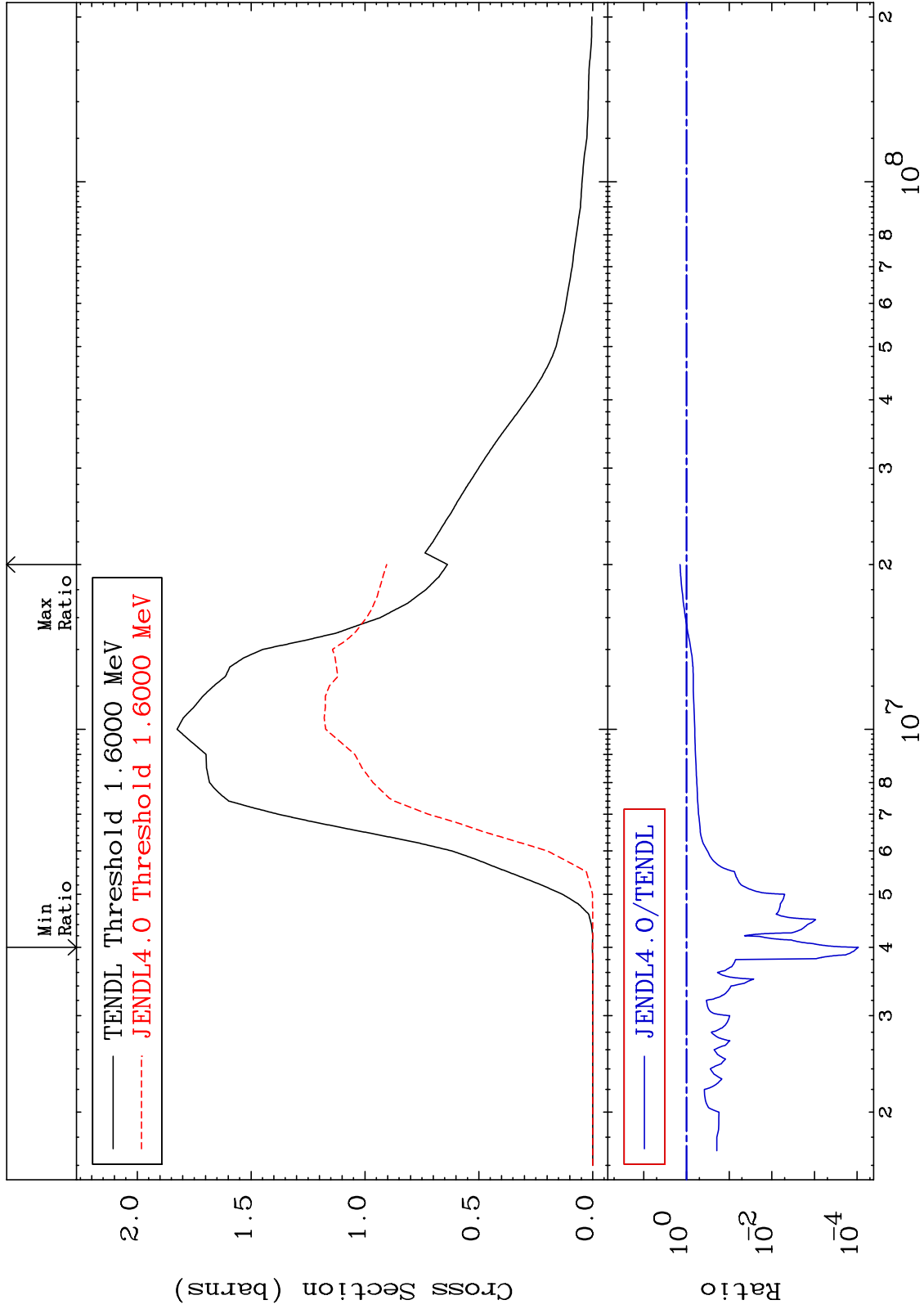
Incident Energy (eV)

7

MAT 9443

(n, nf) Second Chance
Cross Section

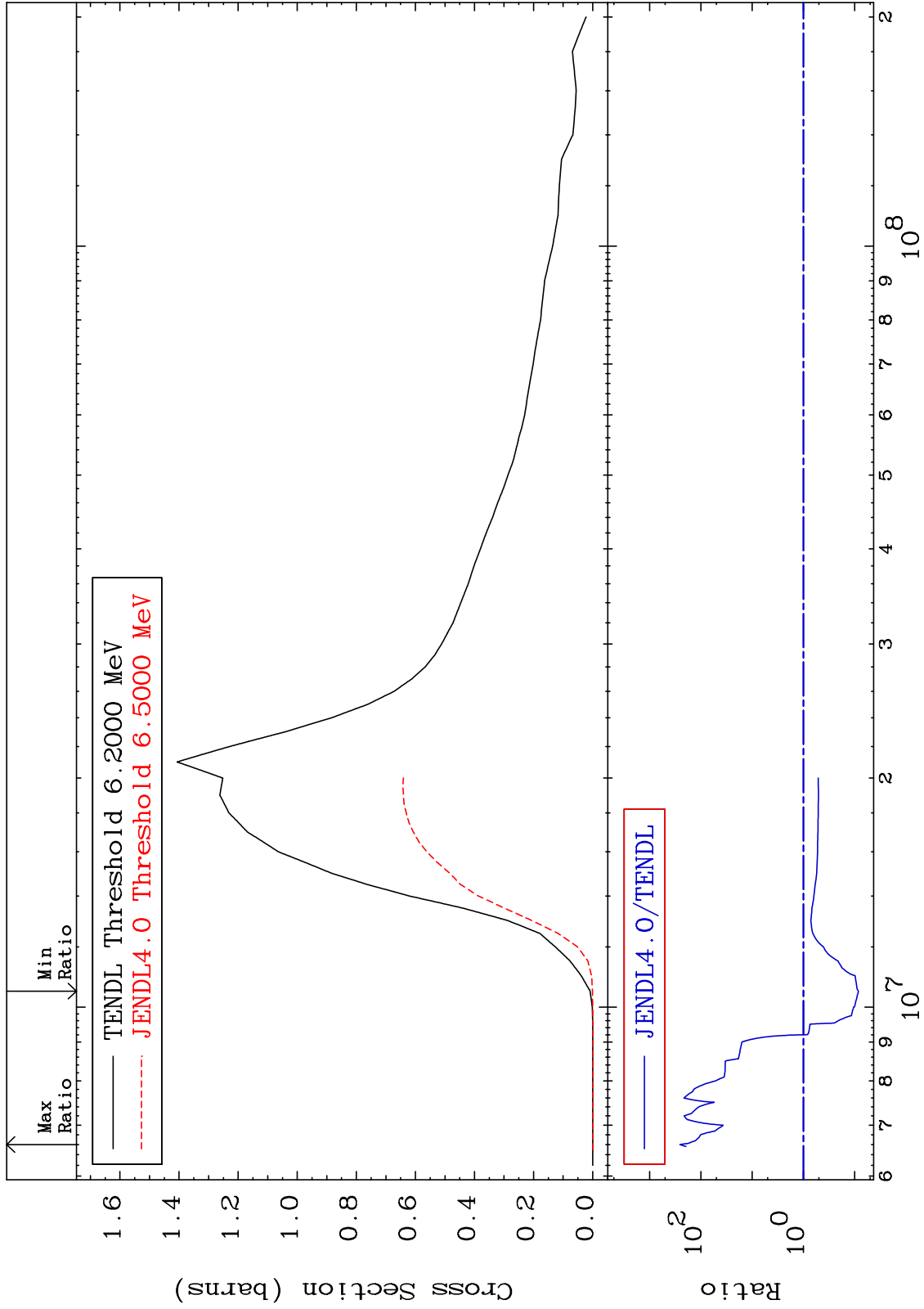
94-Pu-241
-99.99 To 41.88 %



MAT 9443

(n,2nf) Third Chance
Cross Section

94-Pu-241
-91.57 To 9999. %



9

Incident Energy (eV)

94-Pu-241

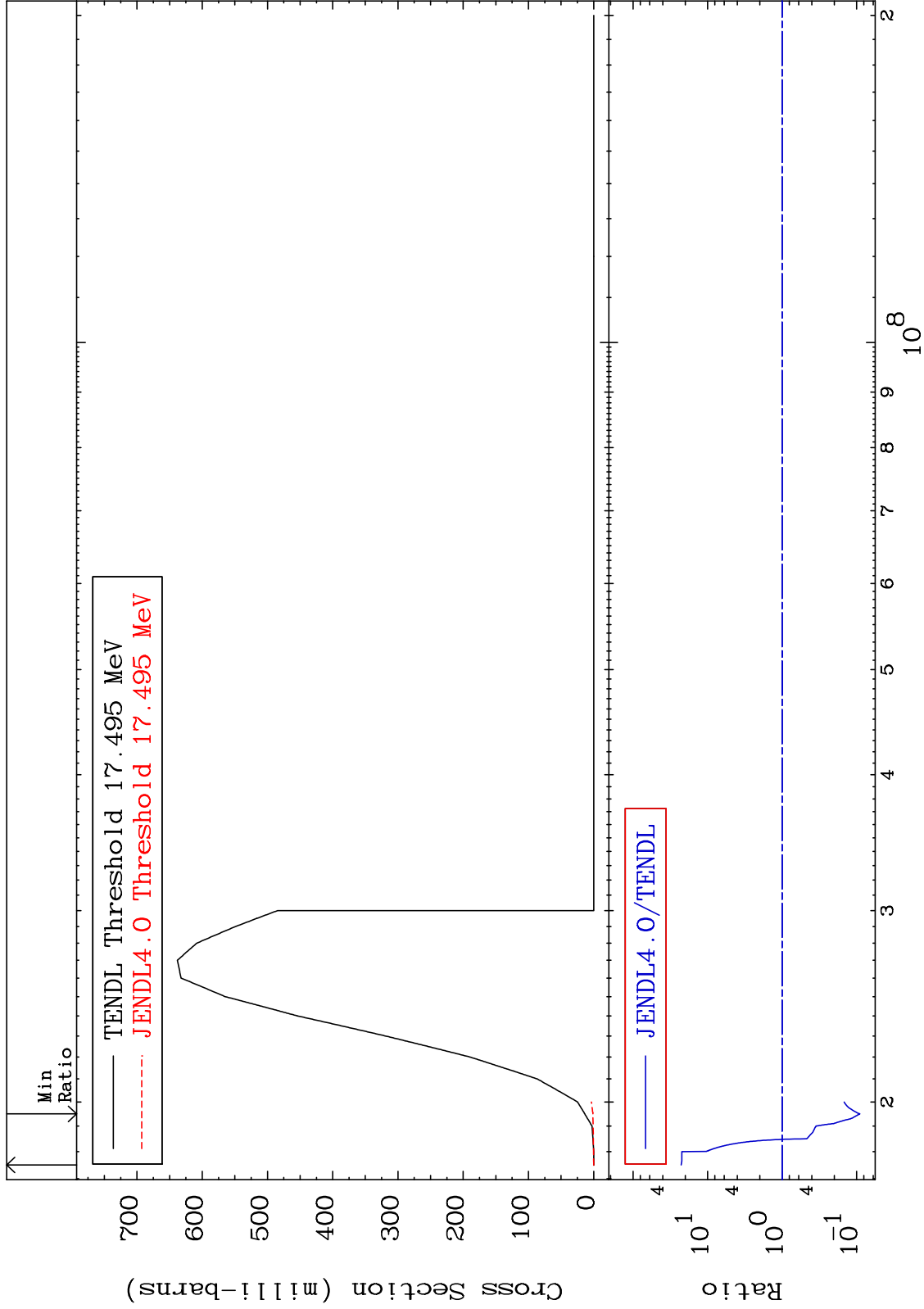
MAT 9443

(n, 4n)

94-Pu-241

Cross Section

-90.95 To 2162. %



10

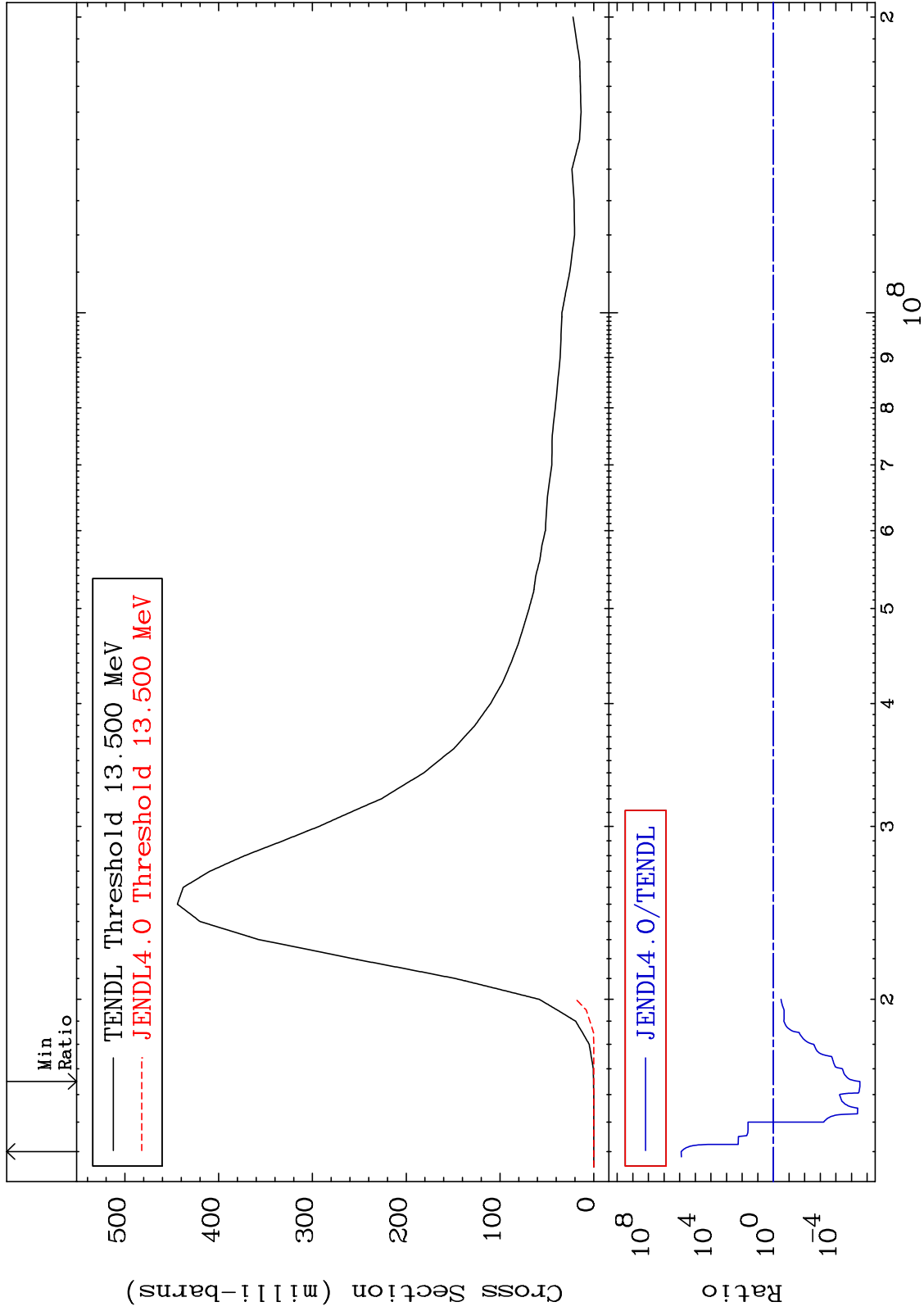
Incident Energy (eV)

94-Pu-241

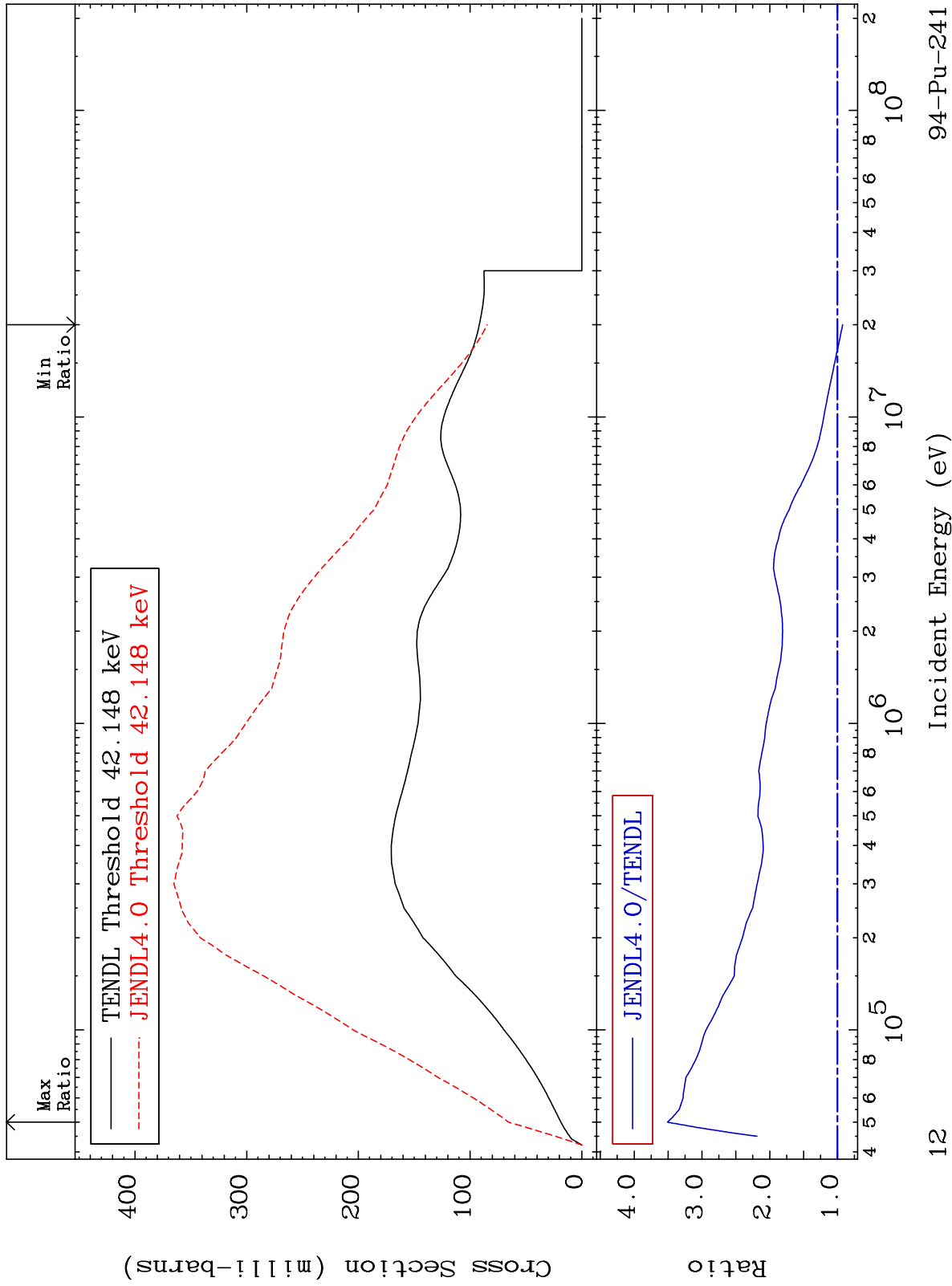
MAT 9443

(n,3nf) Fourth Chance
Cross Section

94-Pu-241
-100.0 To 9999. %



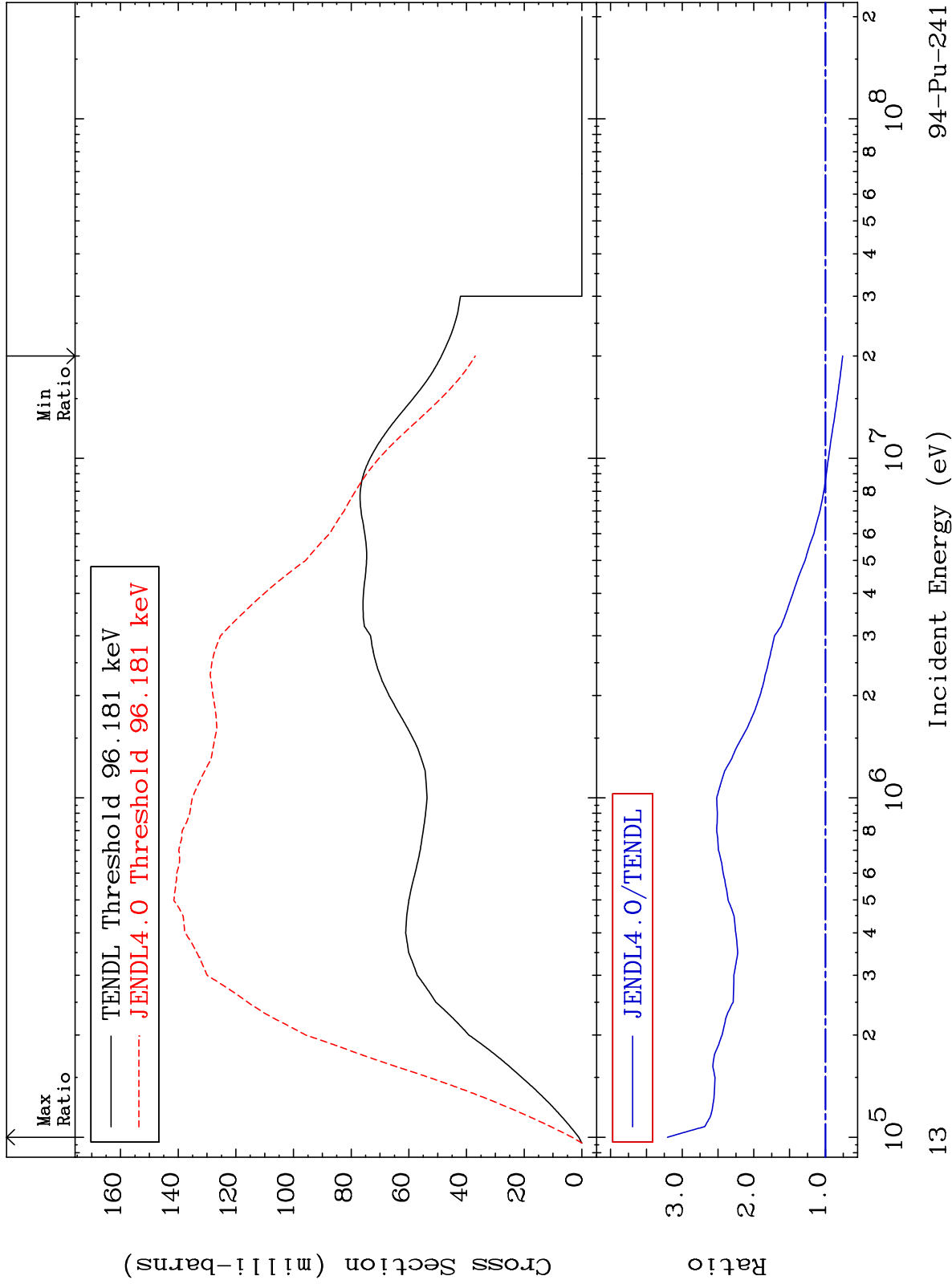
MAT 9443 MT= 51 (n,n') Level 94-Pu-241
 Cross Section -7.656 To 250.8 %



MAT 9443

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

94-Pu-241
-24.12 To 220.5 %

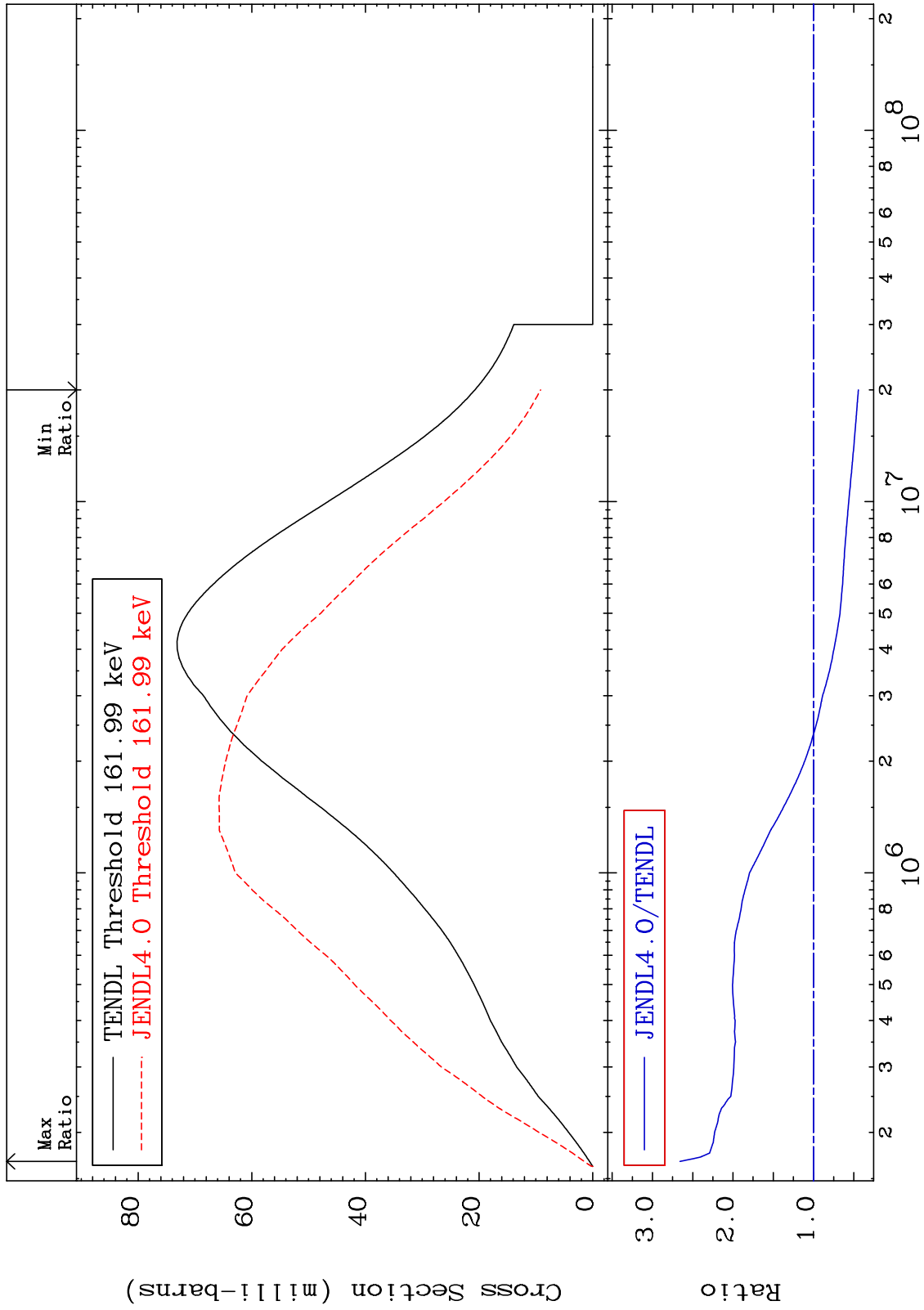


94-Pu-241

Incident Energy (eV)

13

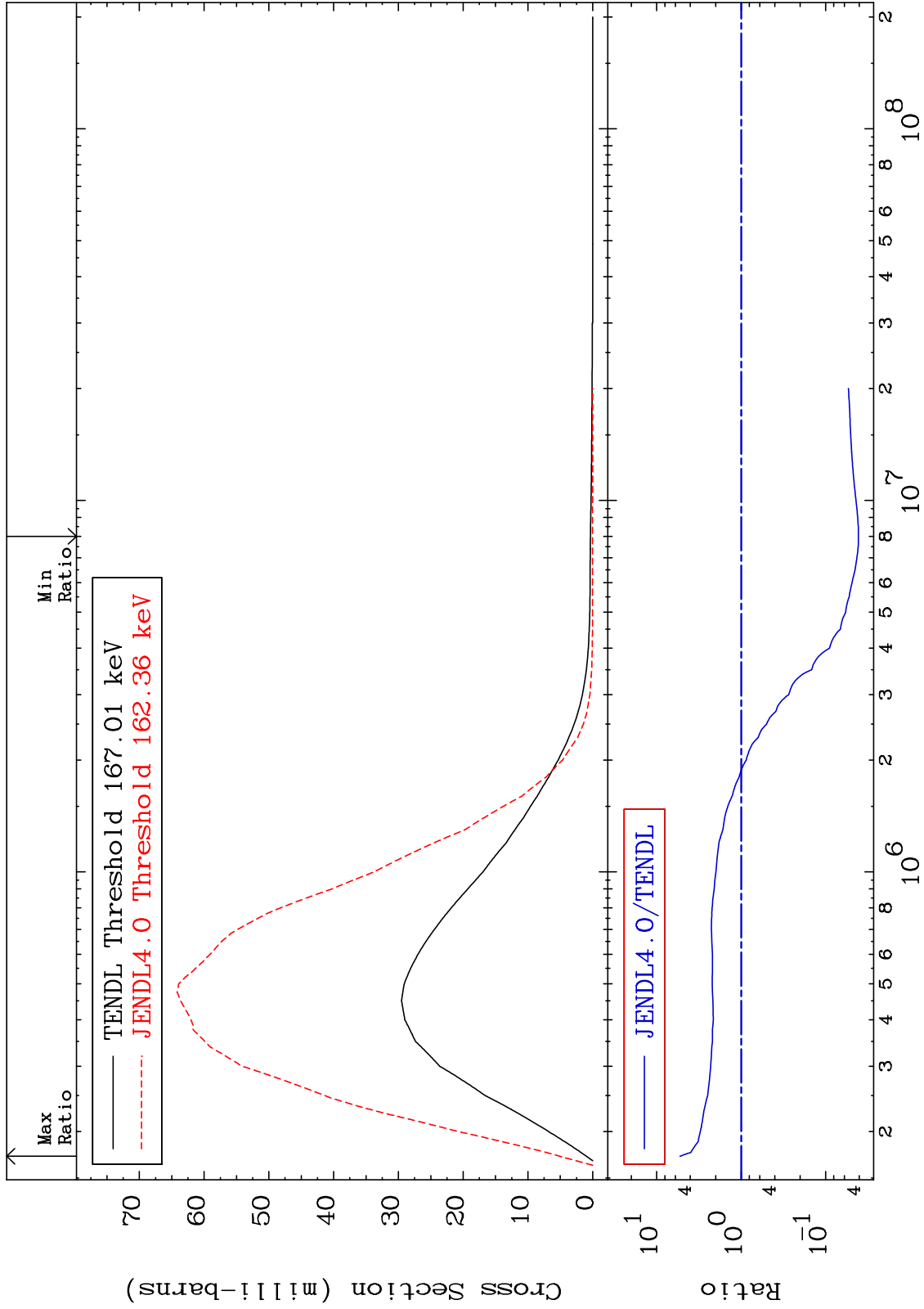
MAT 9443 MT= 53 (n,n') Level Cross Section 94-Pu-241
 -55.75 To 165.8 %



MAT 9443

MT= 54 (n,n') Level
Cross Section

94-Pu-241
-95.91 To 429.0 %



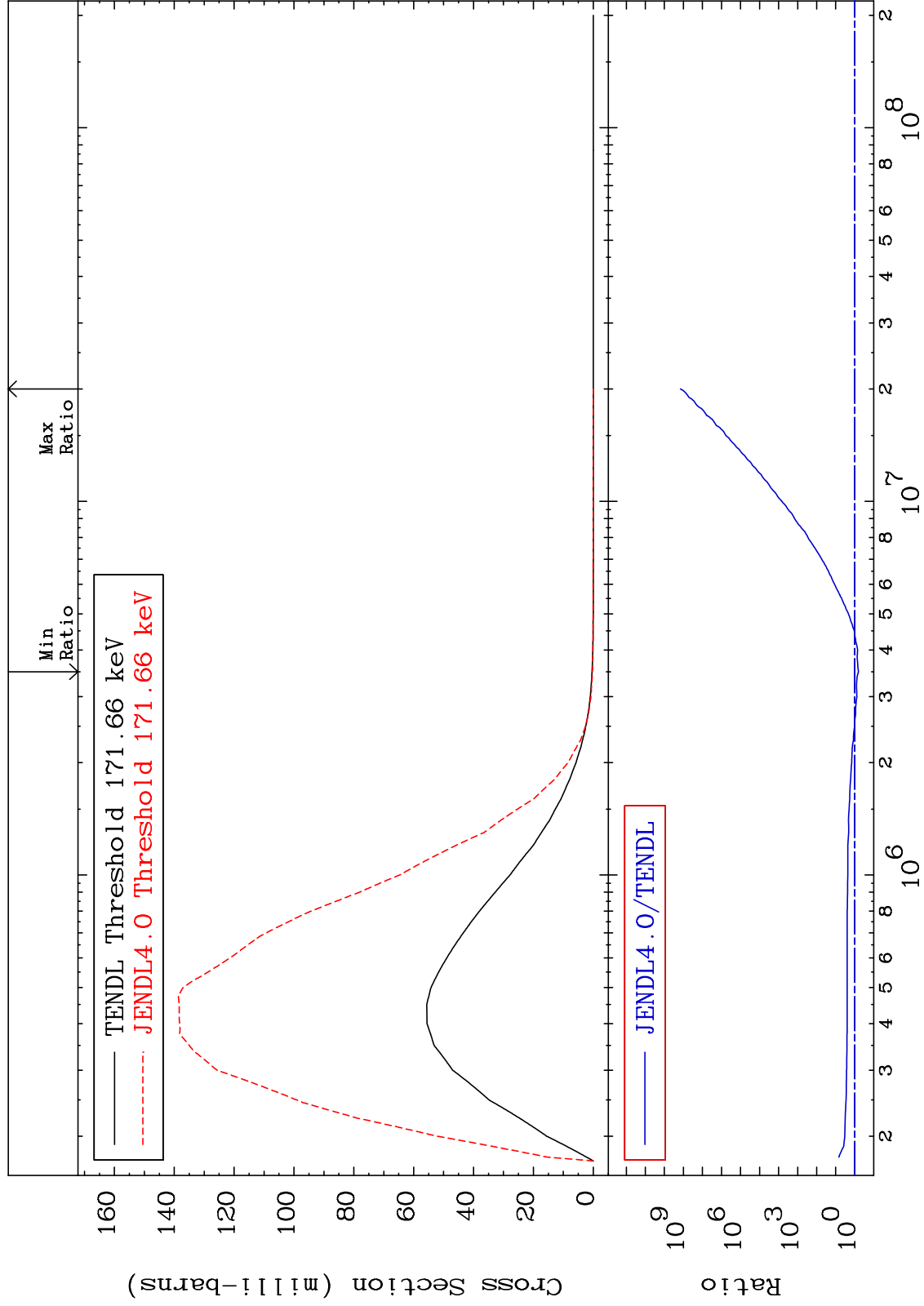
MAT 9443

MT= 55 (n,n') Level

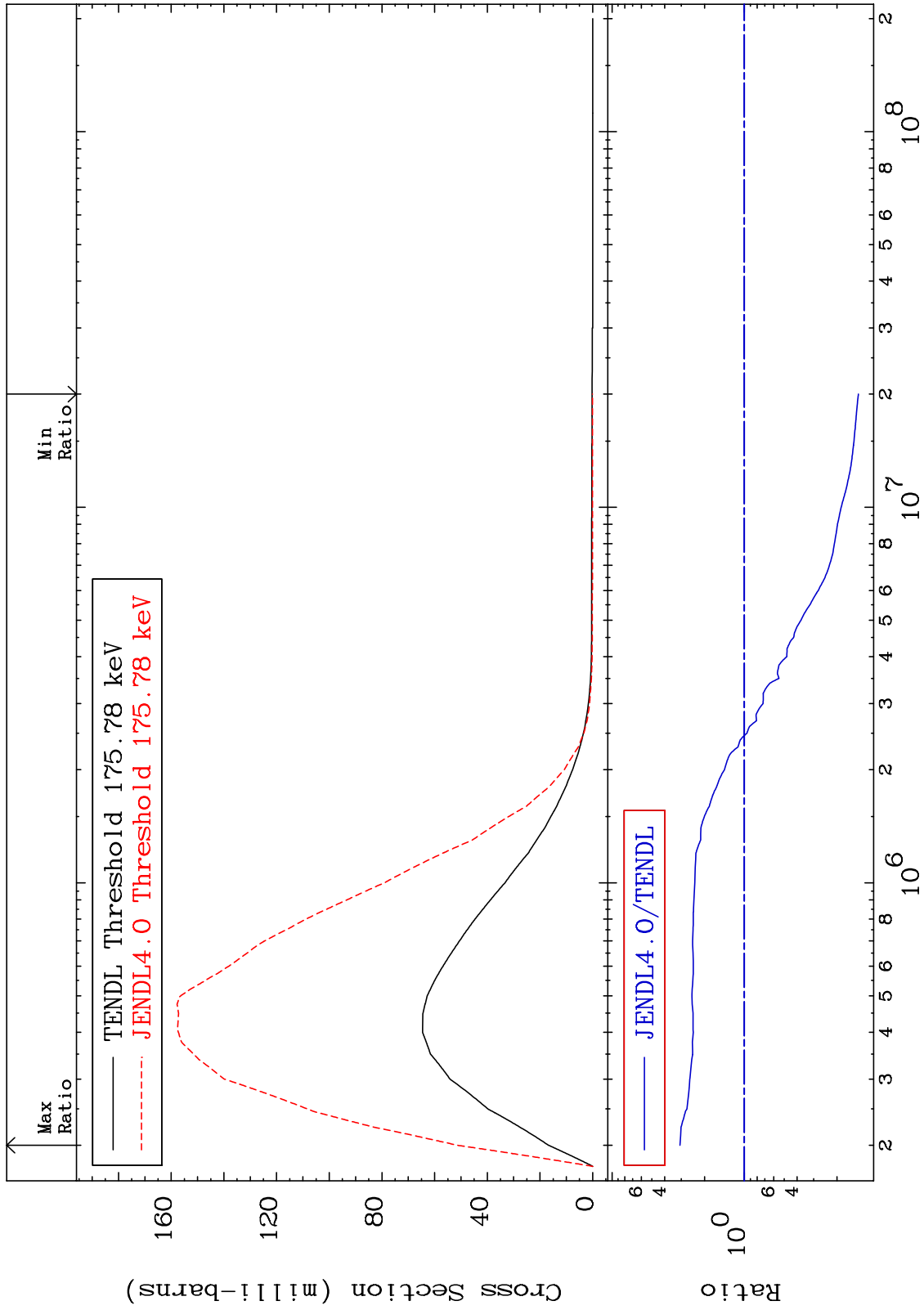
94-Pu-241

-36.68 To 9999. %

Cross Section



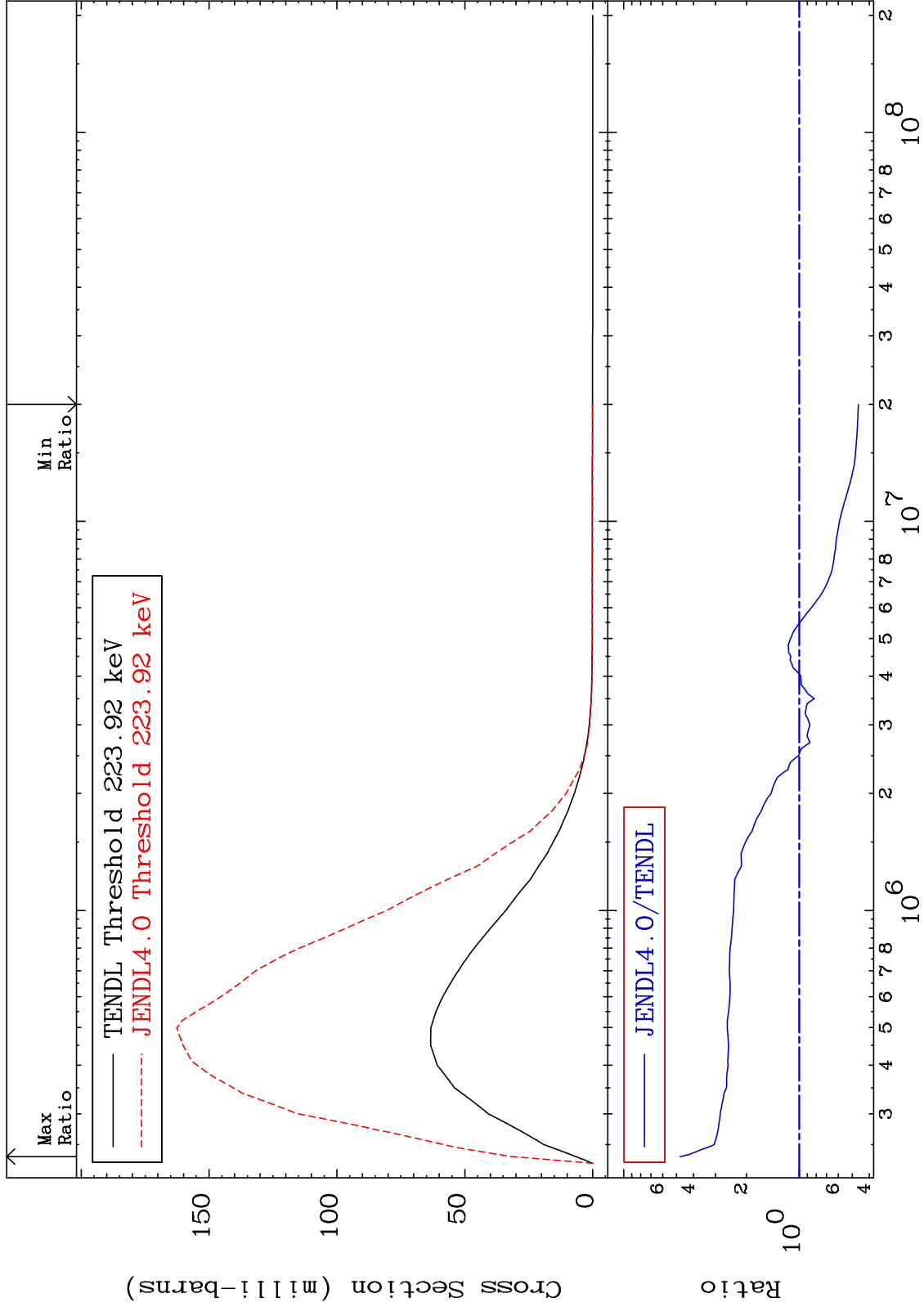
MAT 9443 MT= 56 (n,n') Level 94-Pu-241
 Cross Section -86.25 To 206.4 %



MAT 9443

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

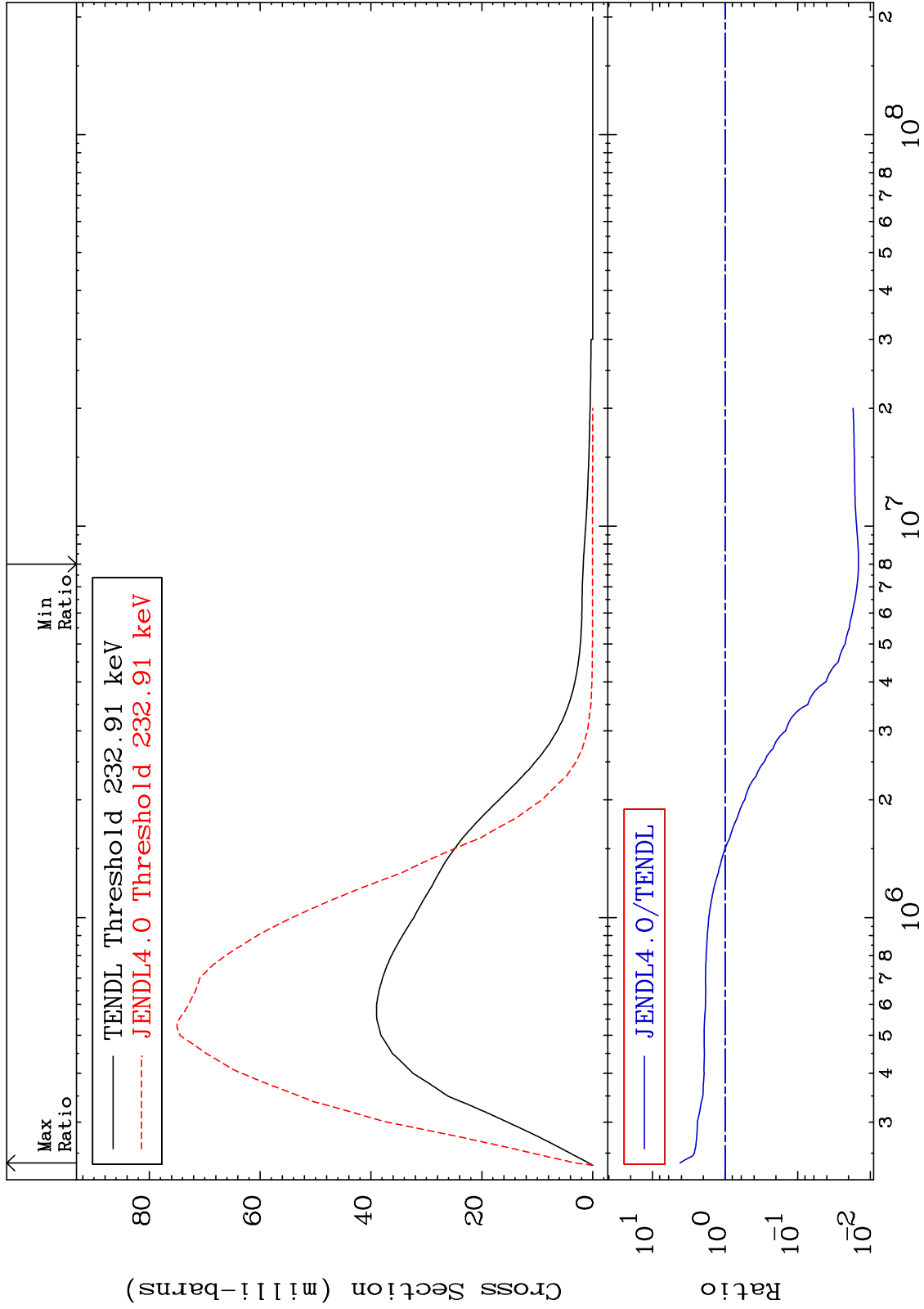
94-Pu-241
-53.92 To 377.8 %



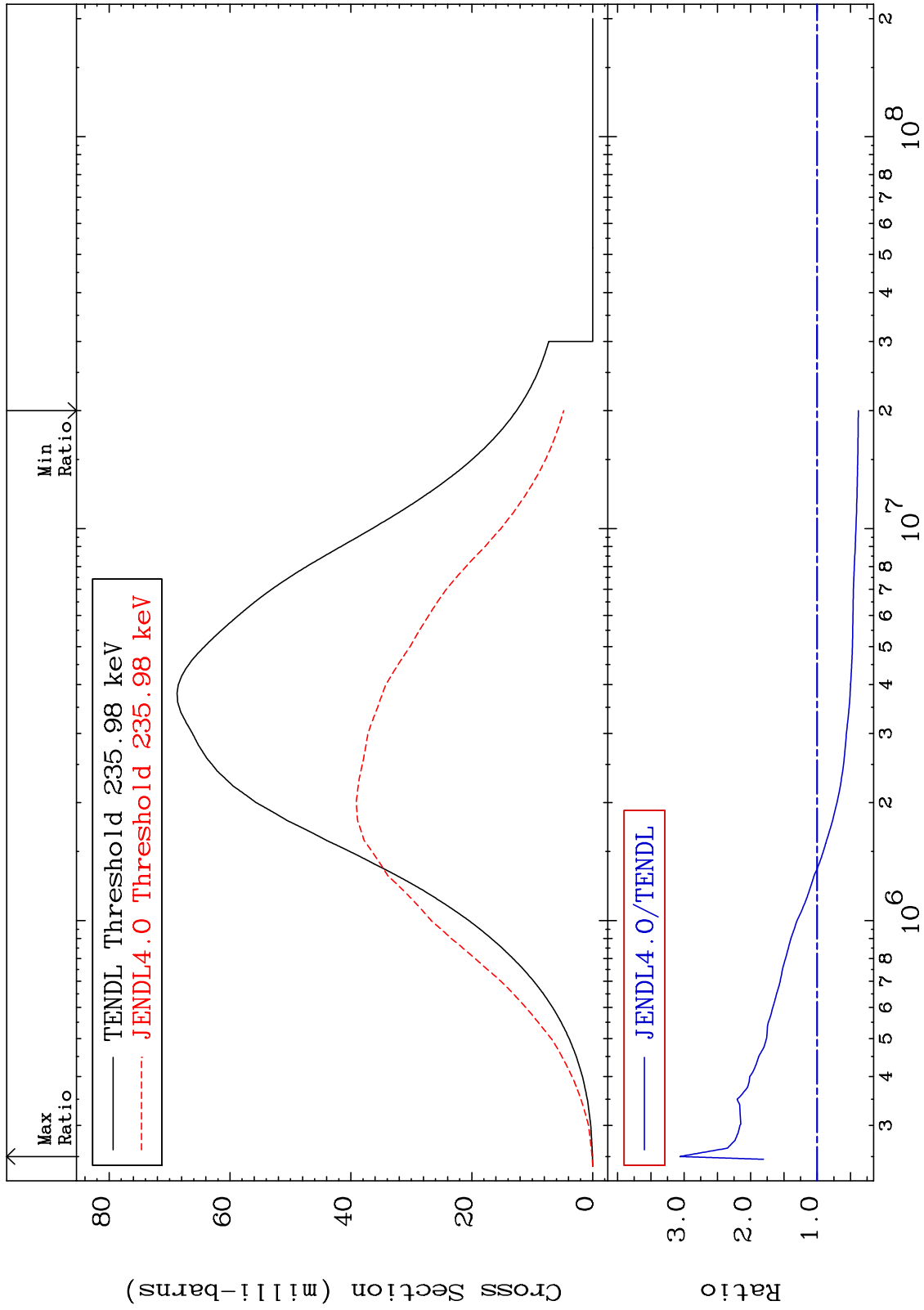
MAT 9443

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

94-Pu-241
-98.54 To 318.3 %



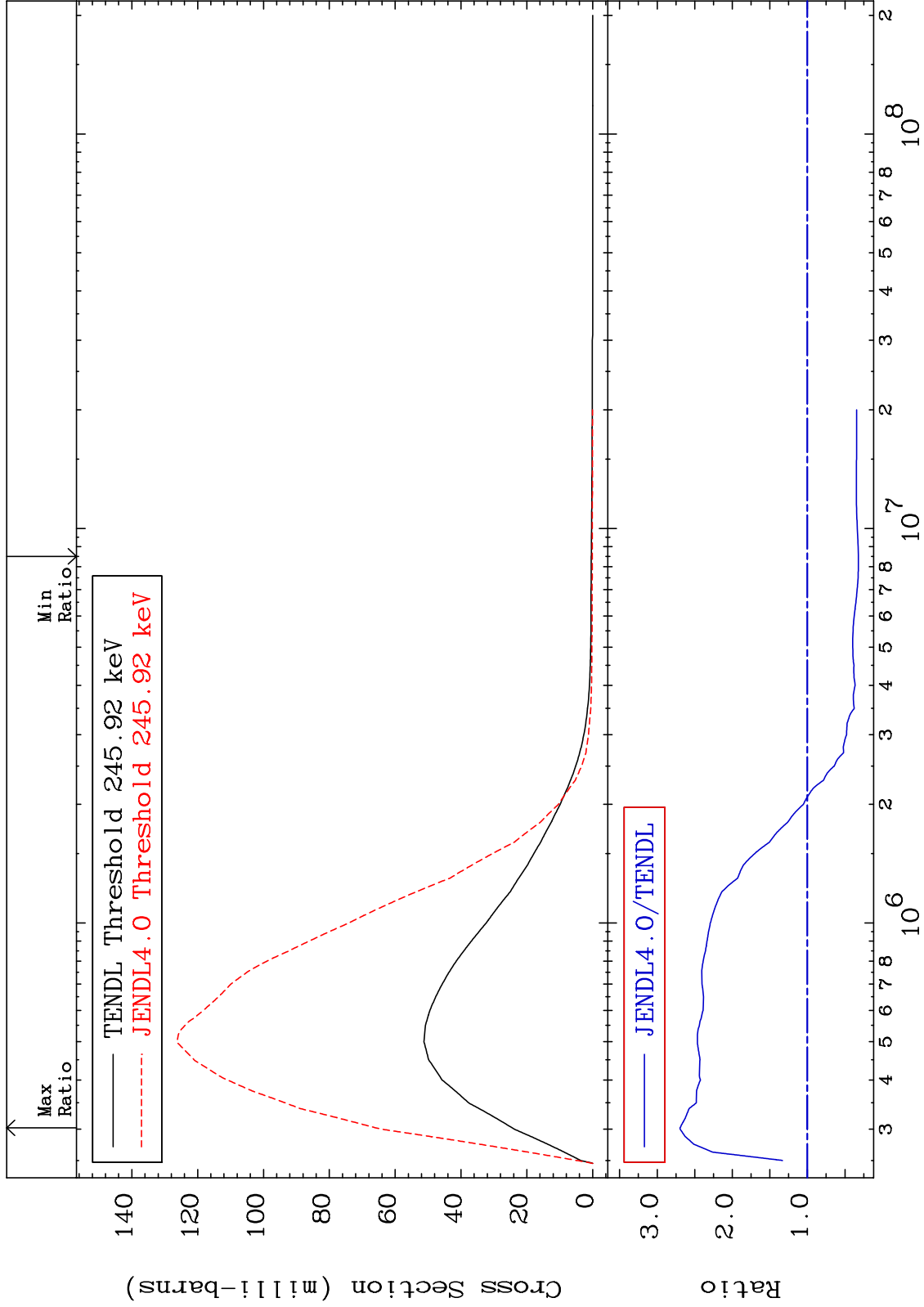
MAT 9443 MT= 59 (n,n') Level Cross Section 94-Pu-241
 -61.91 To 206.2 %



MAT 9443

MT= 60 (n,n') Level
Cross Section

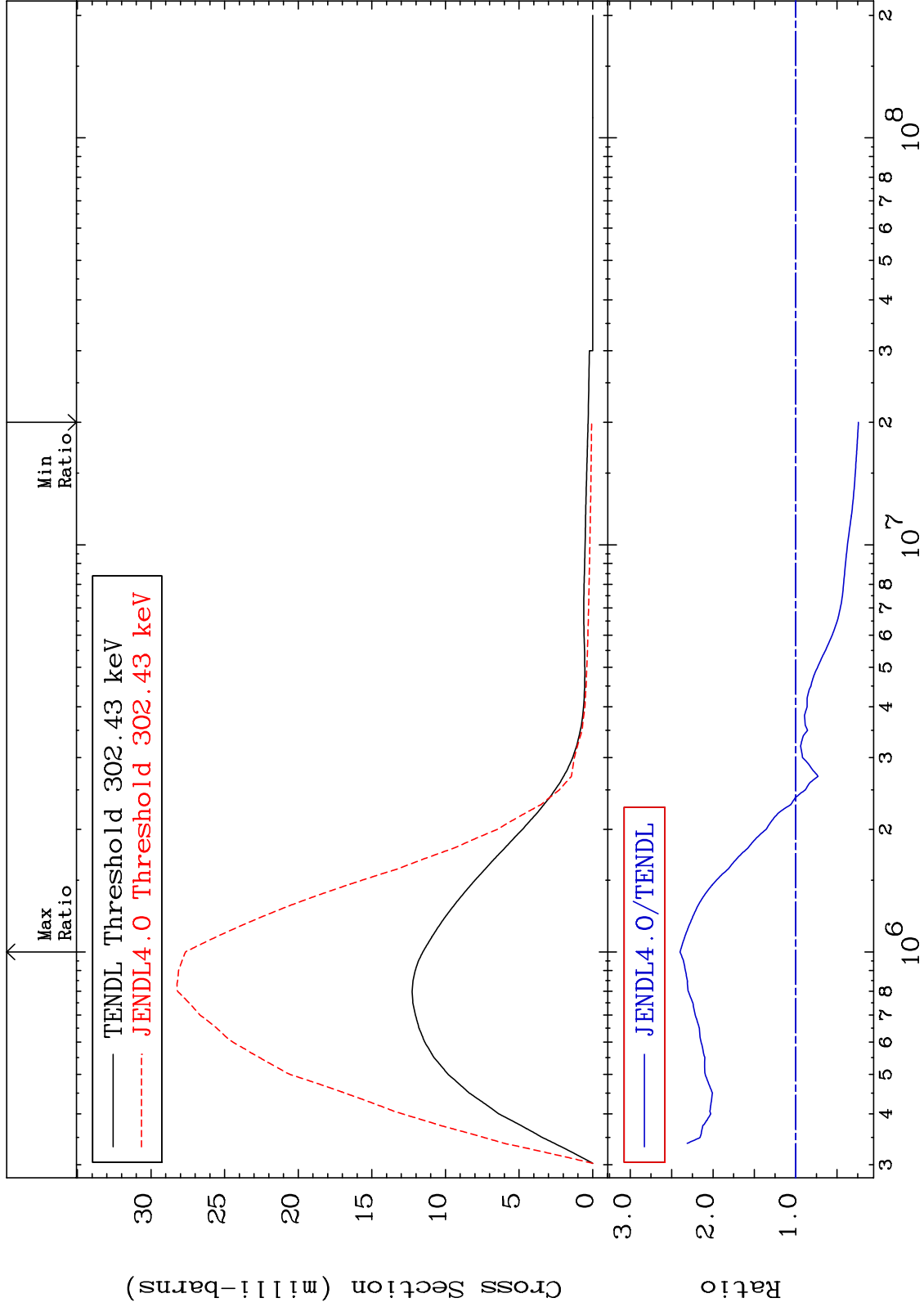
94-Pu-241
-67.91 To 169.6 %



MAT 9443

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

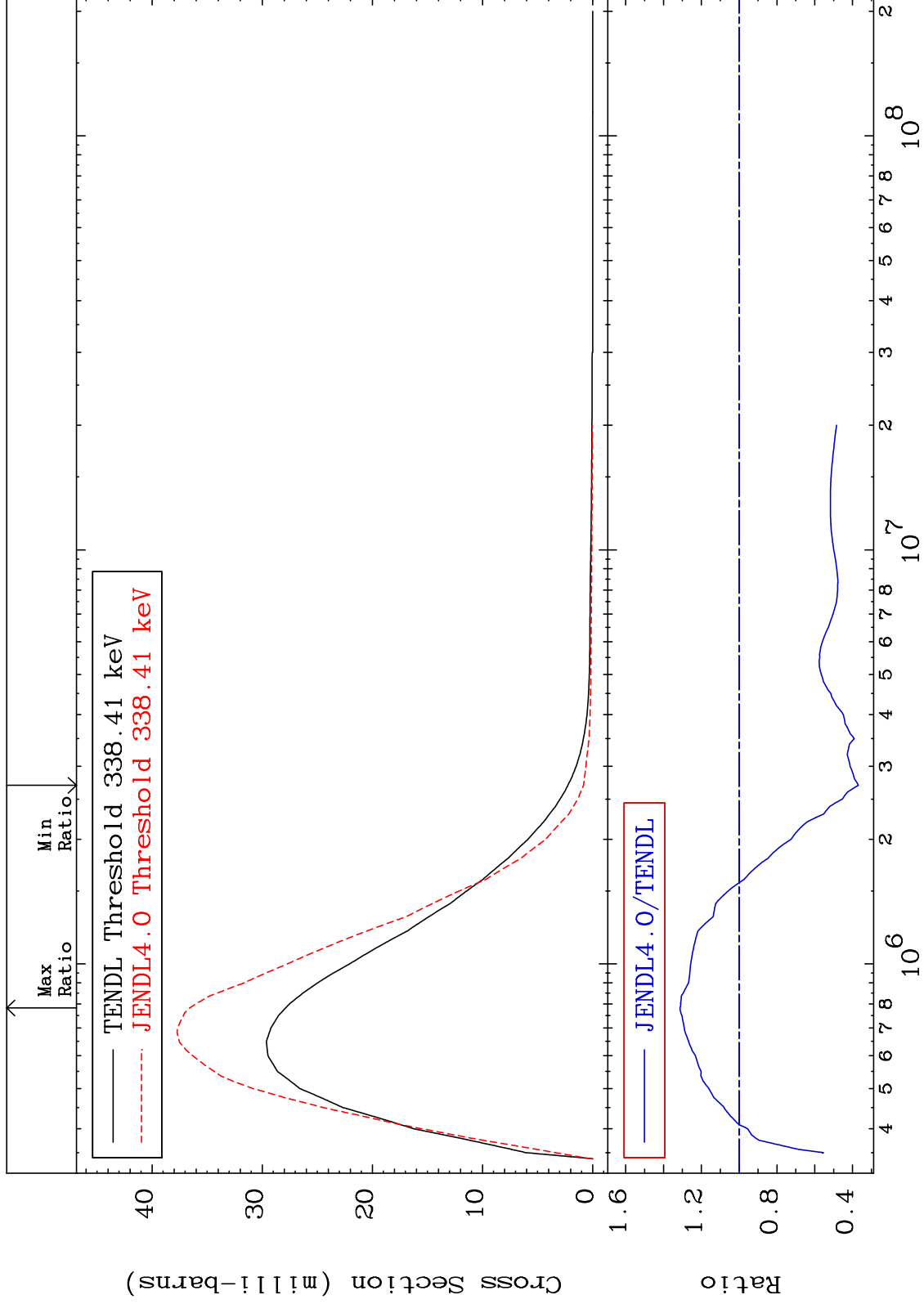
94-Pu-241
-75.78 To 139.9 %



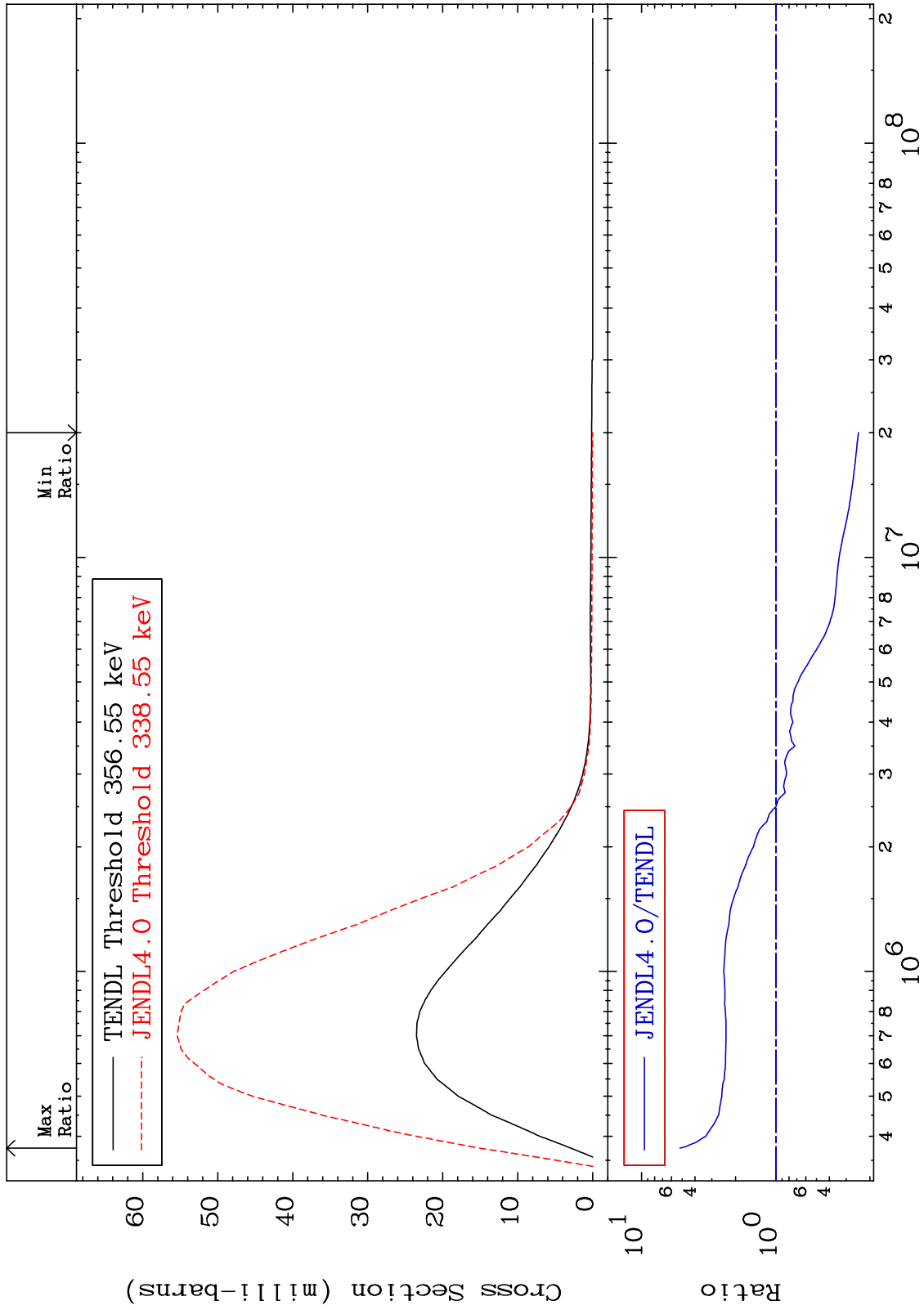
MAT 9443

MT= 62 (n,n') Level
Cross Section

94-Pu-241
-63.11 To 31.27 %



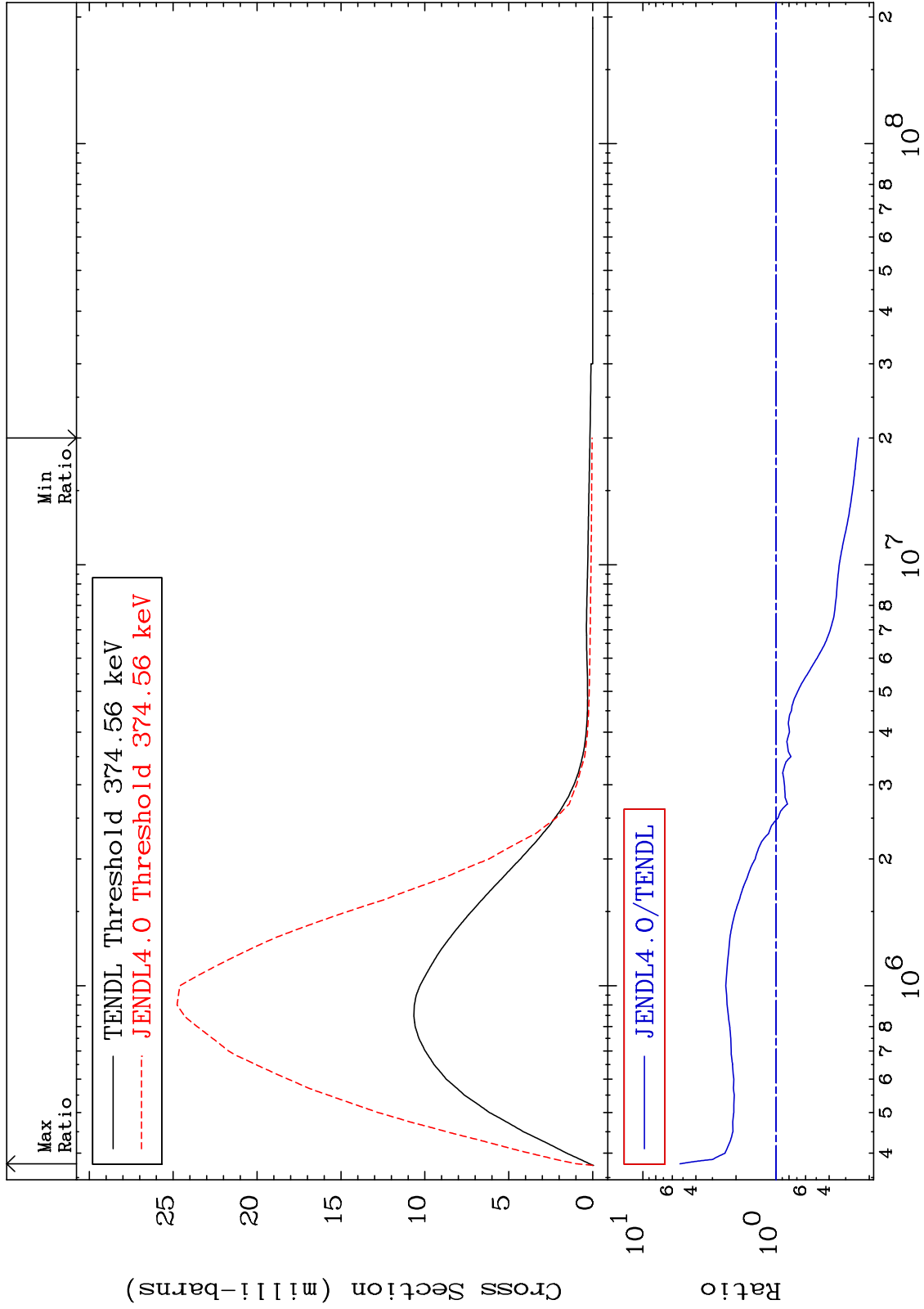
MAT 9443 MT= 63 (n,n') Level Cross Section 94-Pu-241
 -75.64 To 417.6 %



MAT 9443

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

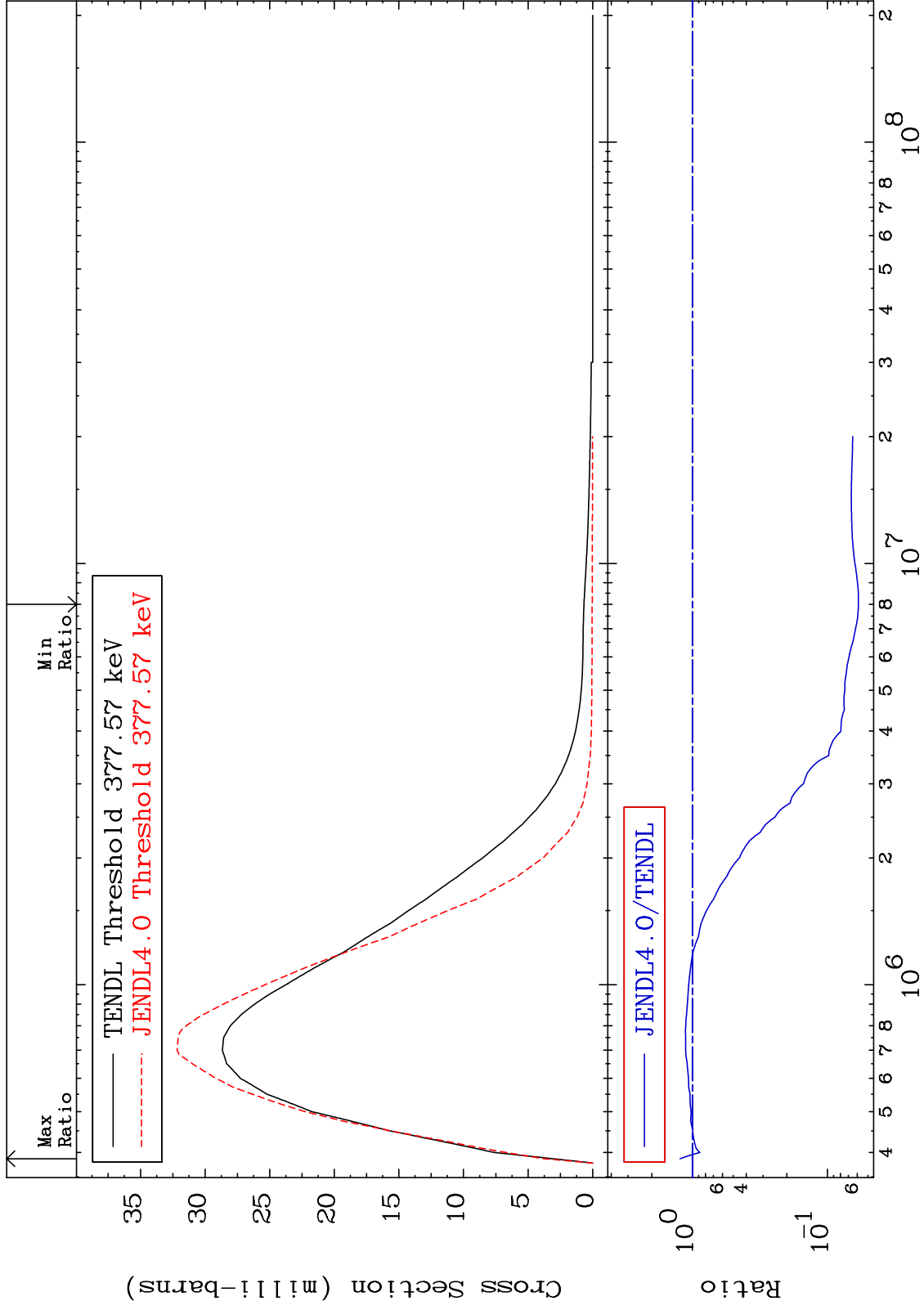
94-Pu-241
-75.87 To 426.0 %



MAT 9443

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

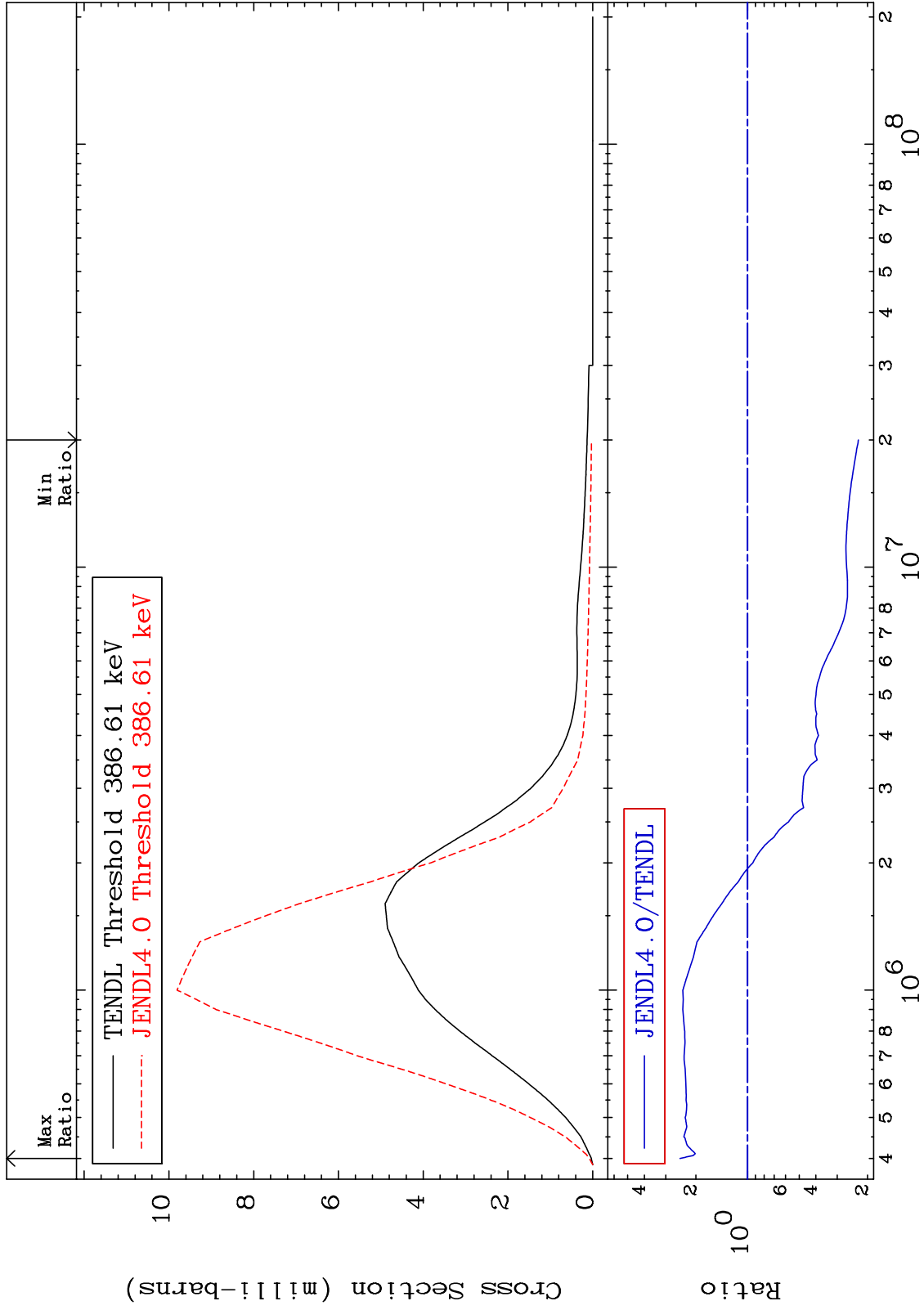
94-Pu-241
-94.11 To 23.69 %



MAT 9443

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

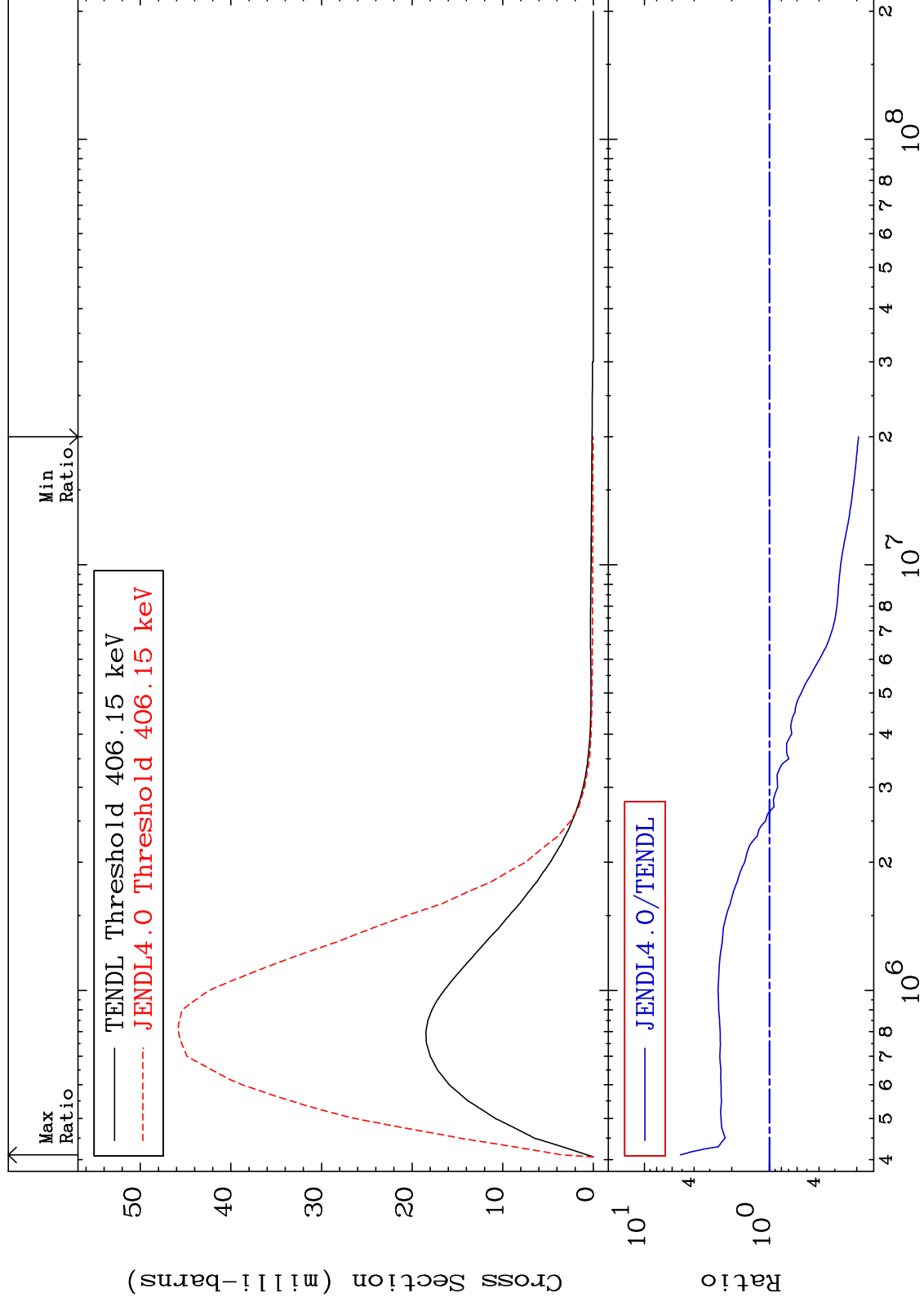
94-Pu-241
-77.42 To 147.6 %



MAT 9443

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

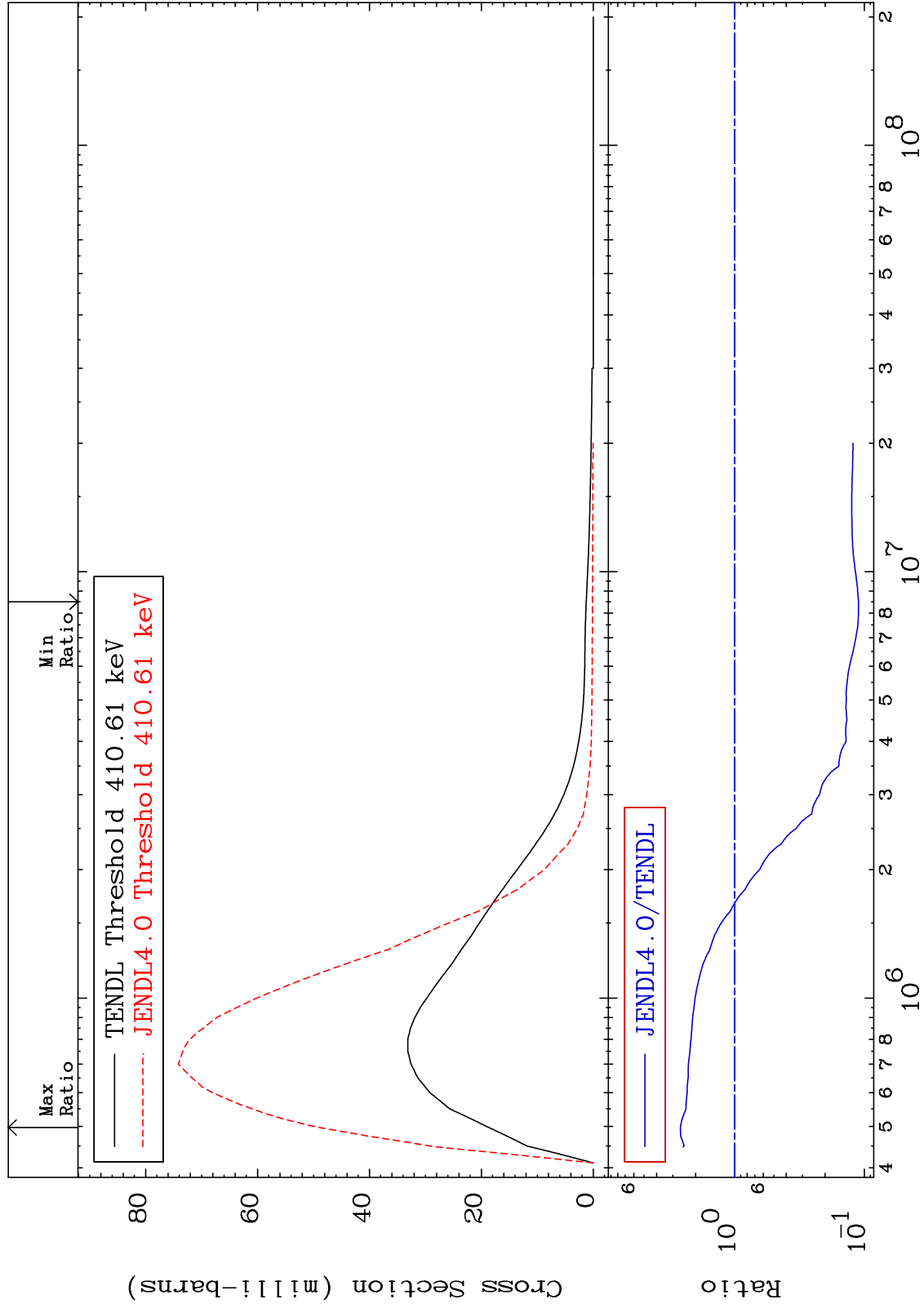
94-Pu-241
-80.68 To 414.9 %



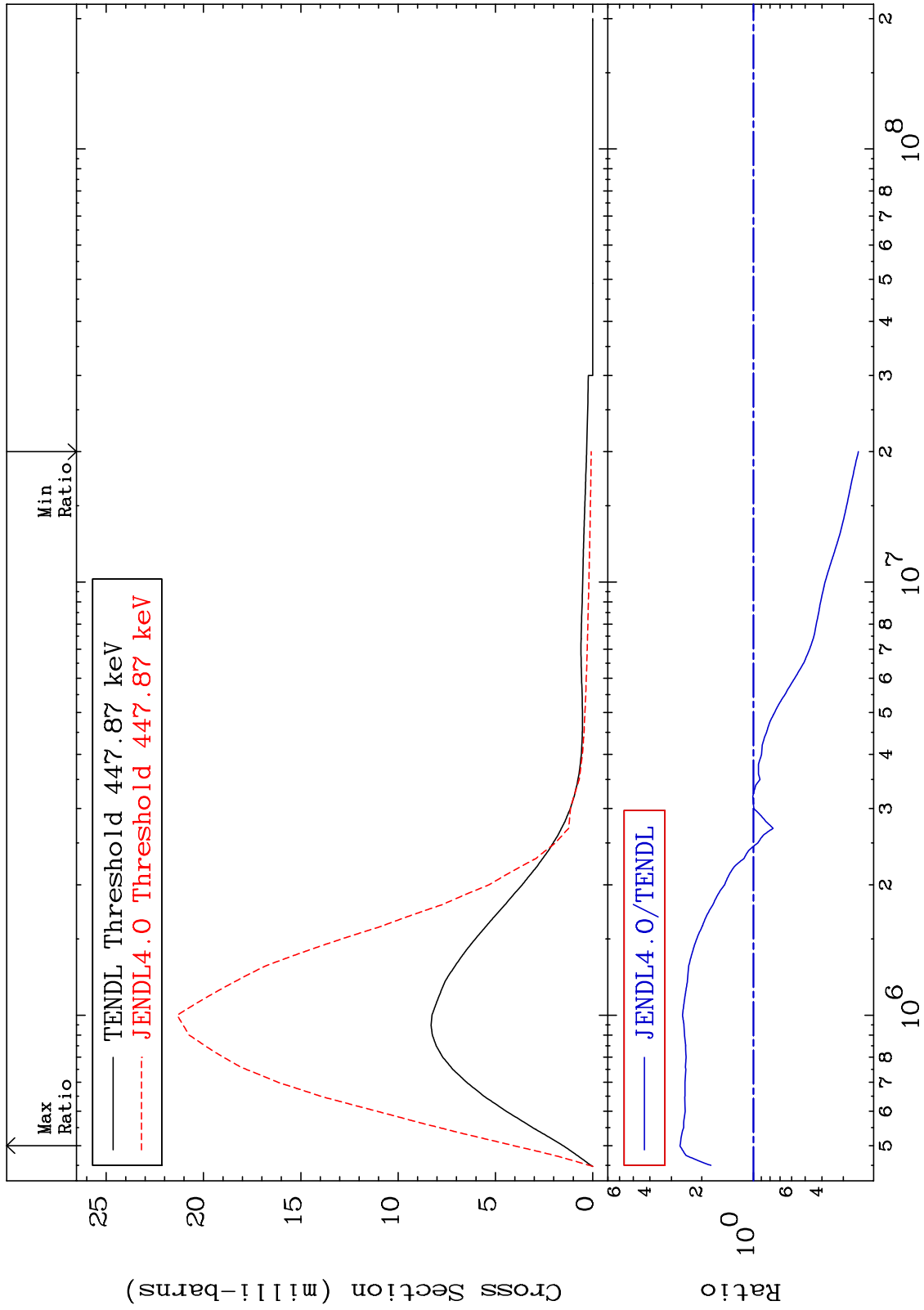
MAT 9443

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

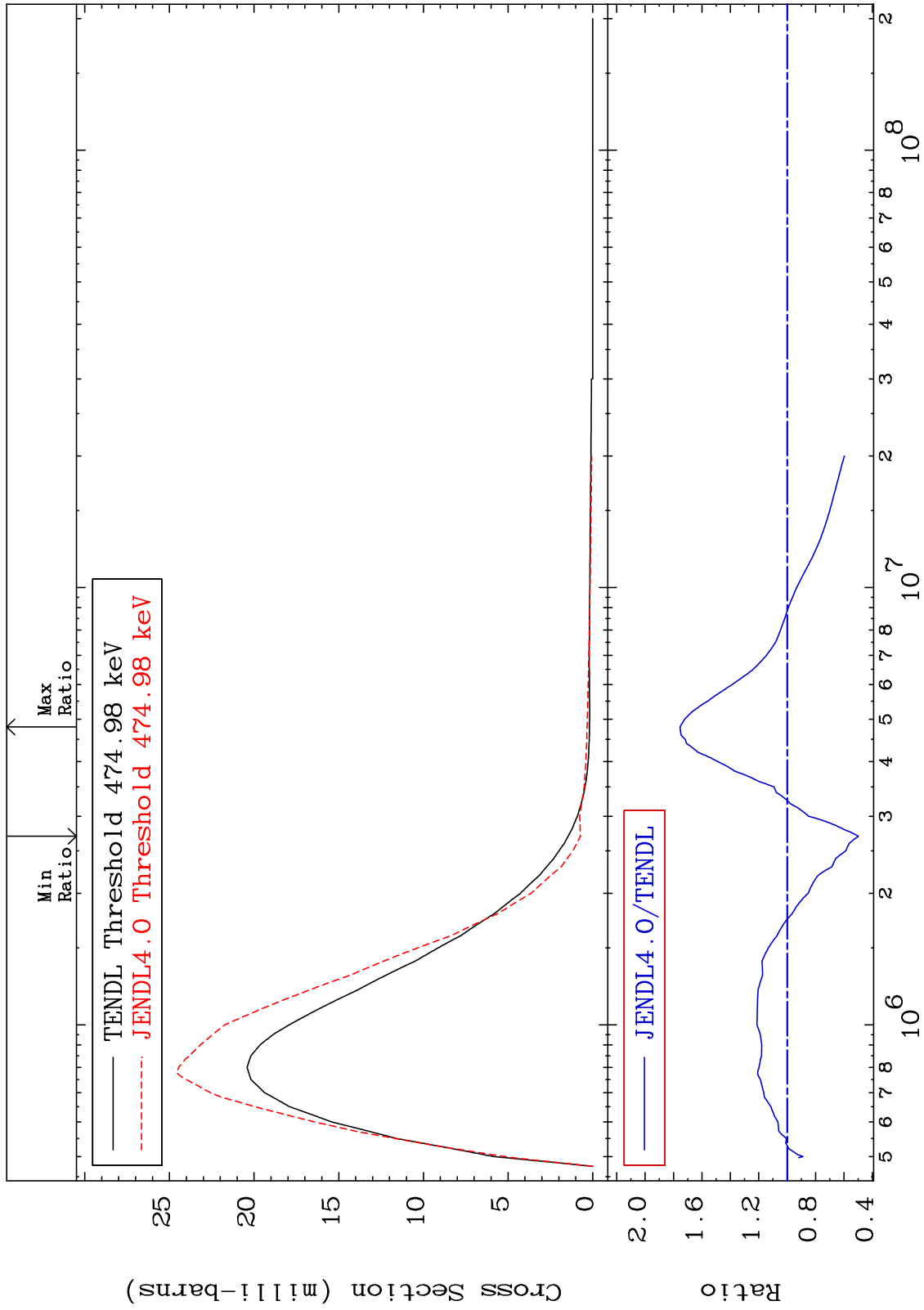
94-Pu-241
-88.93 To 162.0 %



MAT 9443 MT= 69 (n,n') Level 94-Pu-241
 Cross Section -75.46 To 167.2 %



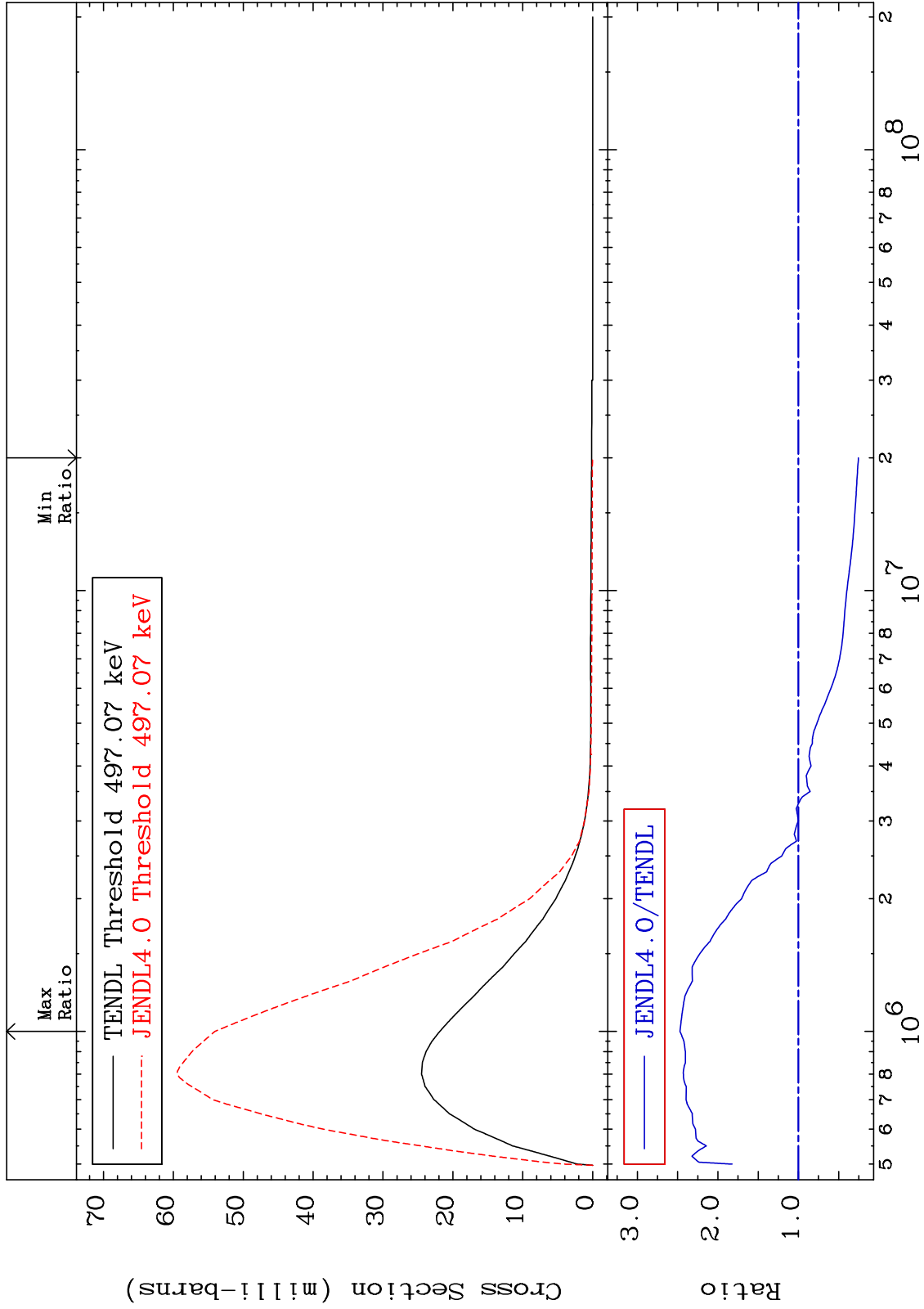
MAT 9443 MT= 70 (n,n') Level 94-Pu-241
 Cross Section -50.17 To 75.43 %



MAT 9443

MT= 71 (n,n') Level
Cross Section

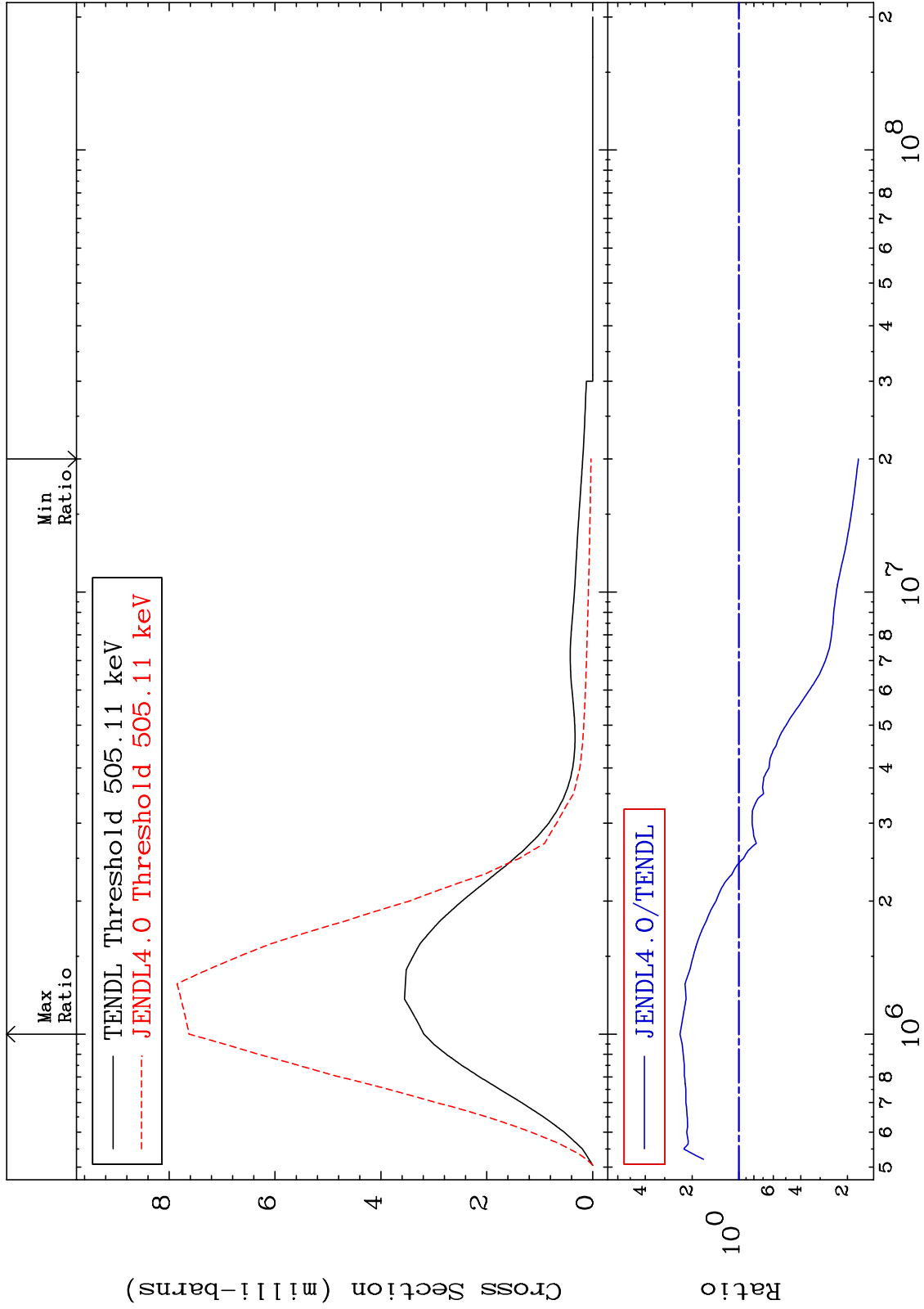
94-Pu-241
-74.52 To 147.0 %



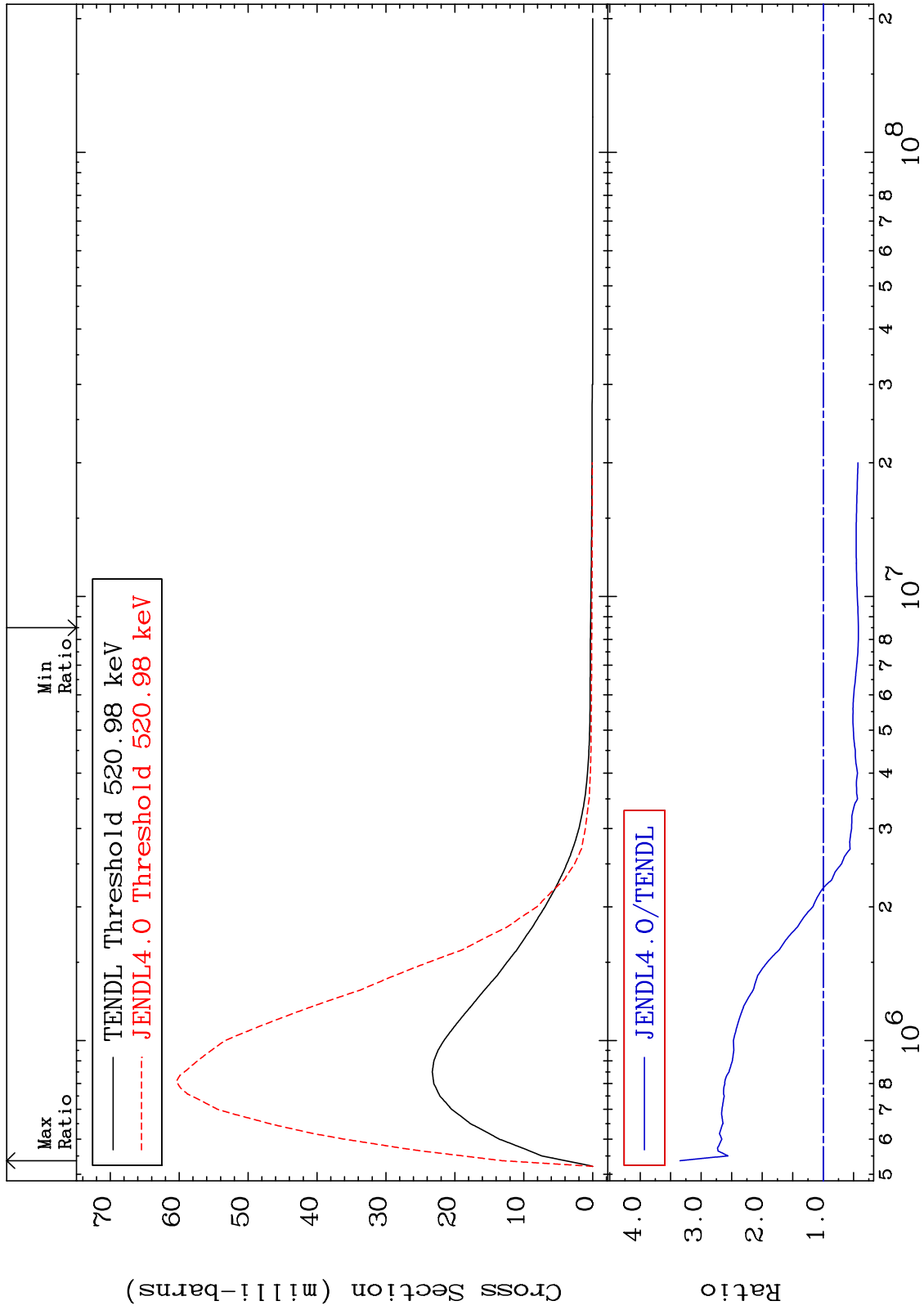
MAT 9443

MT= 72 (n,n') Level
Cross Section

94-Pu-241
-82.98 To 139.11 %

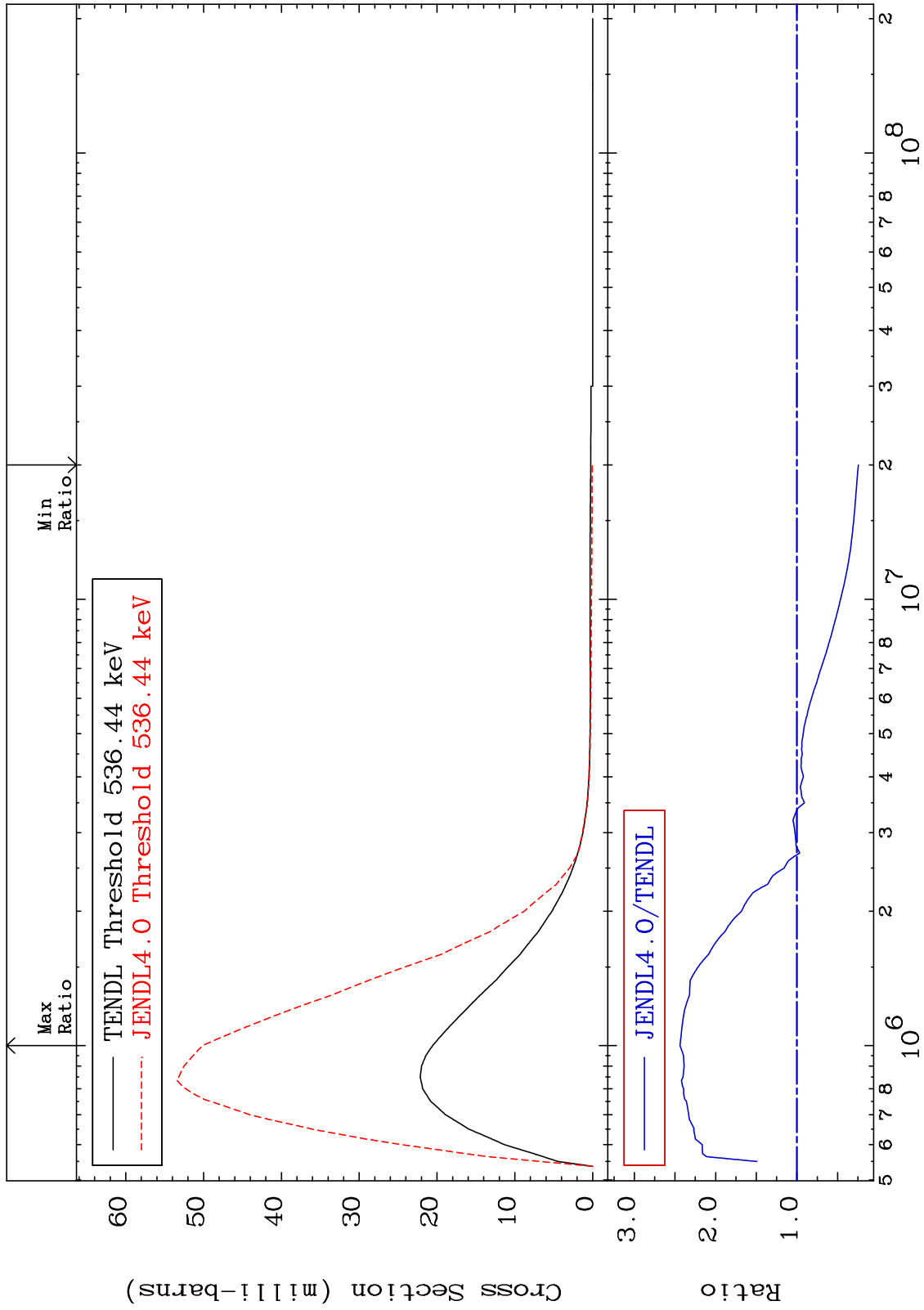


MAT 9443 MT= 73 (n,n') Level
 Cross Section 94-Pu-241
 -57.78 To 234.6 %



34 Incident Energy (eV) 94-Pu-241

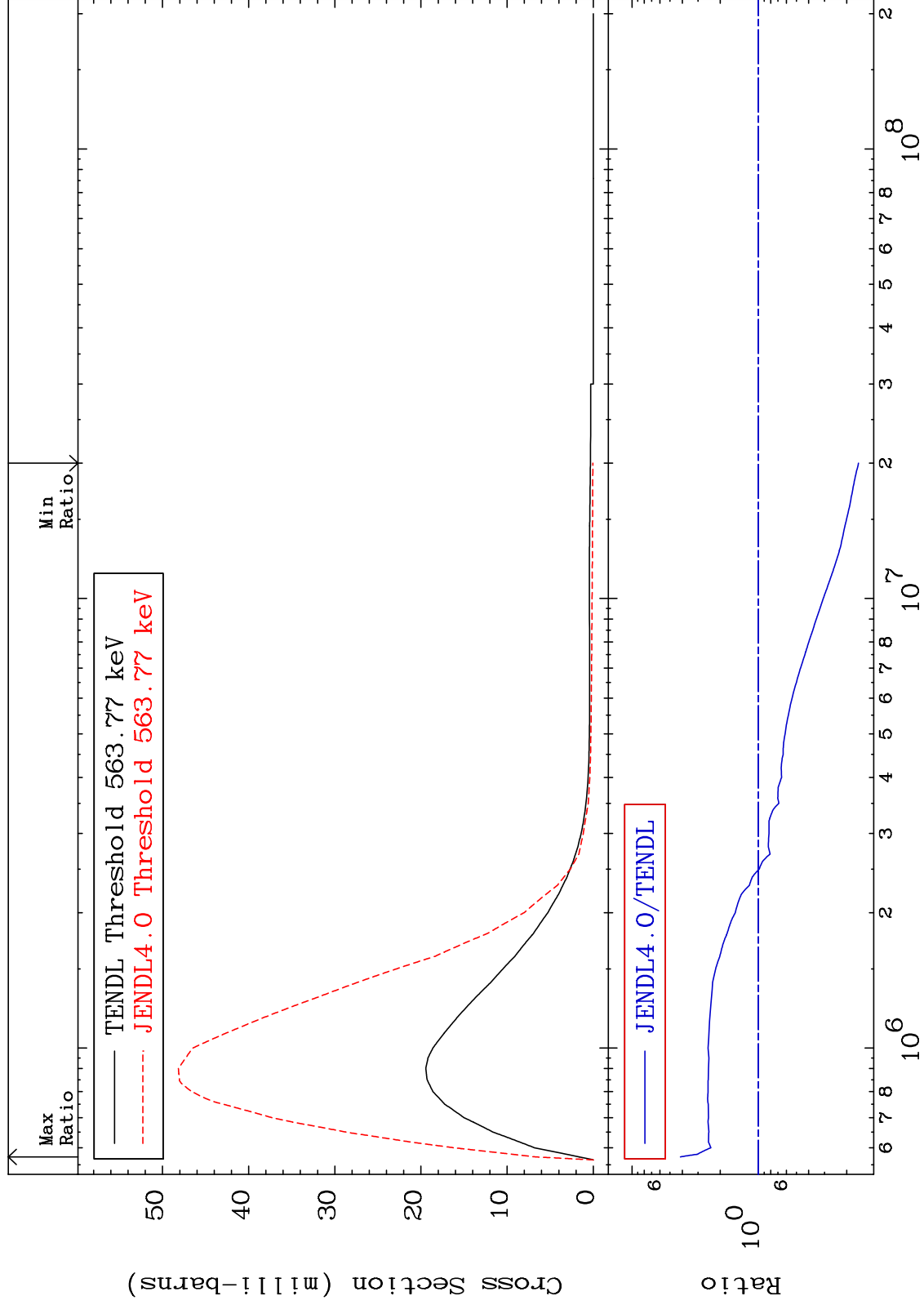
MAT 9443 MT= 74 (n,n') Level Cross Section 94-Pu-241
 -75.61 To 143.8 %



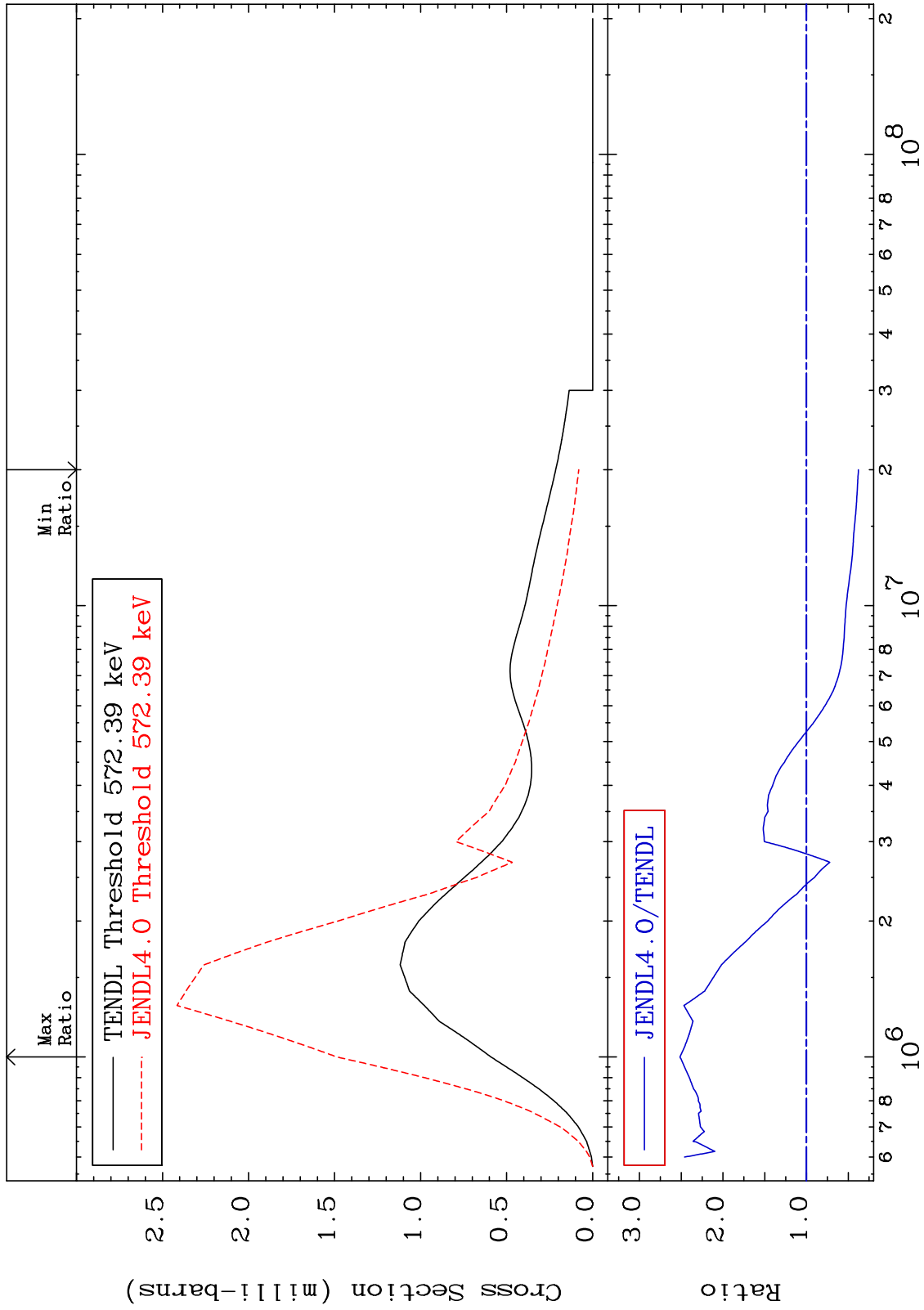
MAT 9443

MT= 75 (n,n') Level
Cross Section

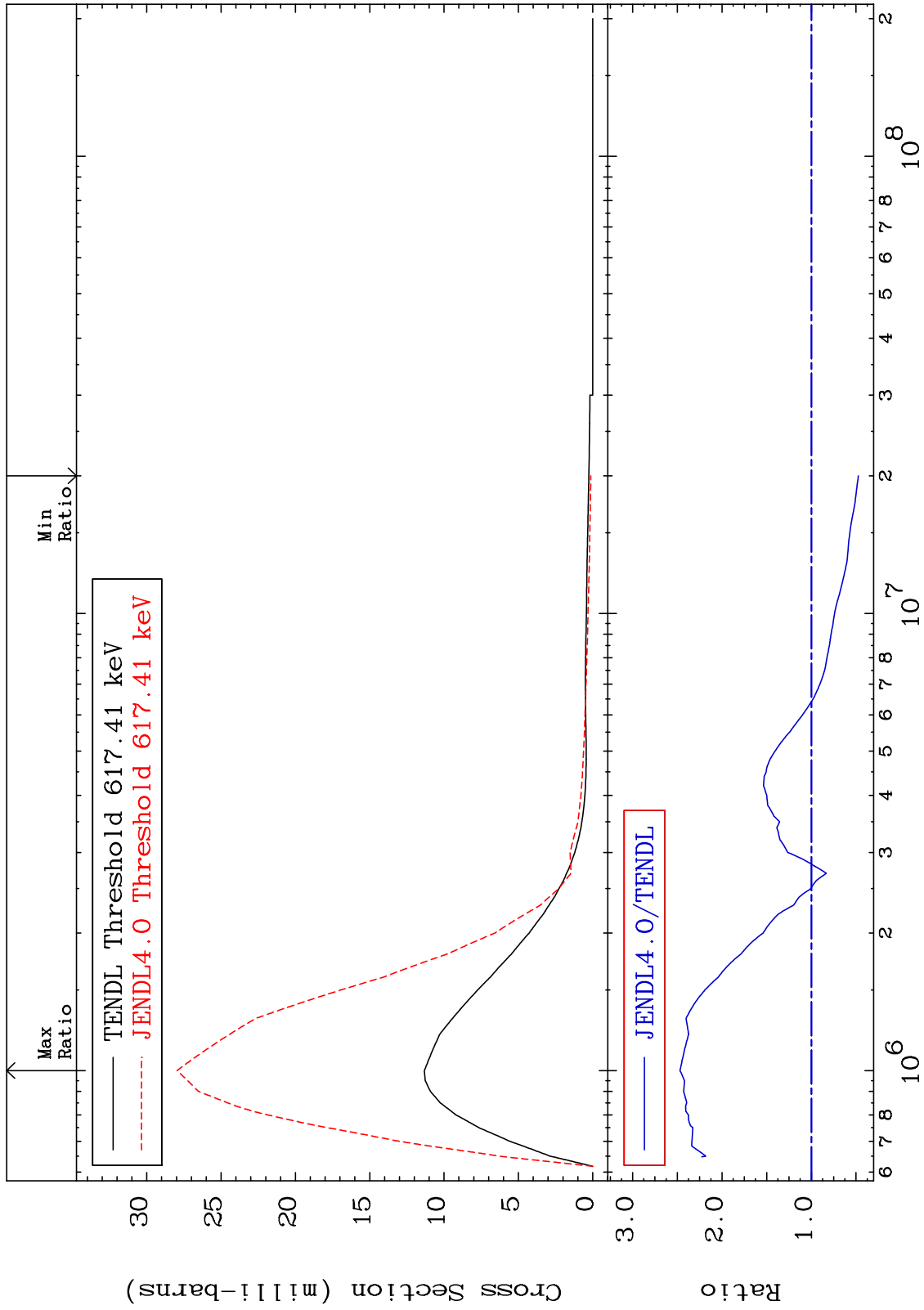
94-Pu-241
-83.86 To 313.4 %



MAT 9443 MT= 76 (n,n') Level 94-Pu-241
 Cross Section -62.13 To 151.4 %



MAT 9443 MT= 77 (n,n') Level
Cross Section 94-Pu-241
-52.61 To 147.0 %

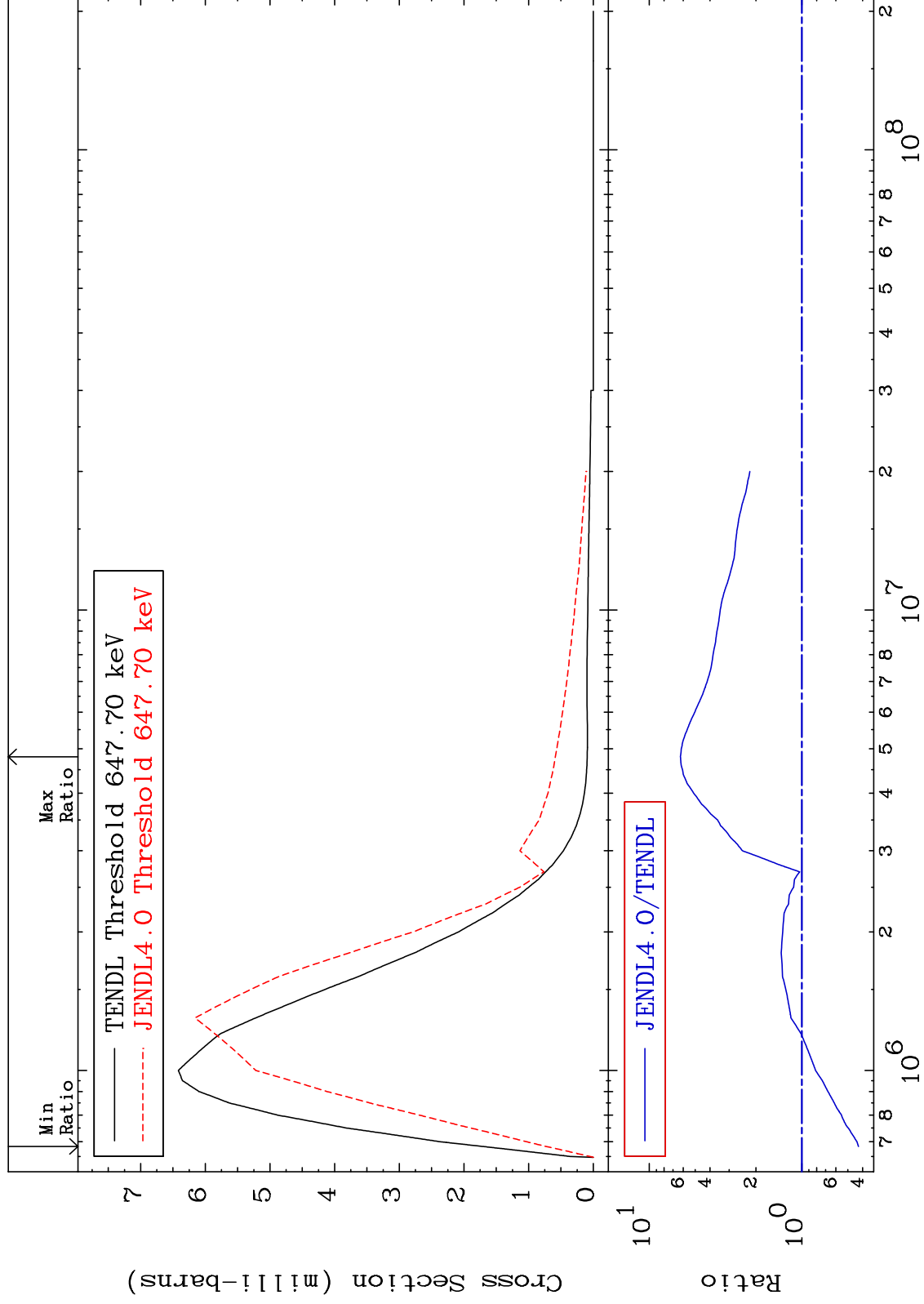


38 94-Pu-241

MAT 9443

MT= 78 (n,n') Level
Cross Section

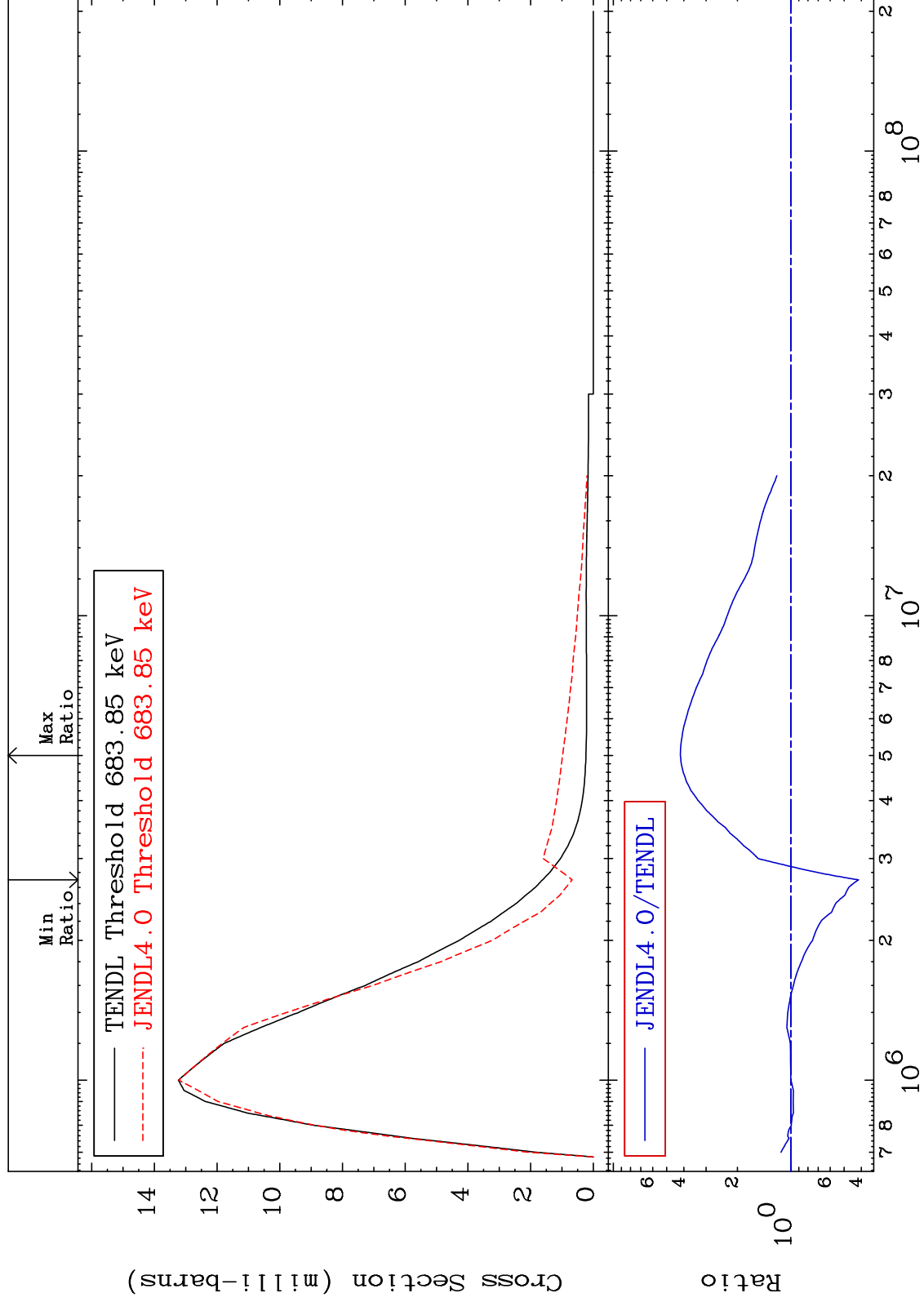
94-Pu-241
-57.42 To 525.4 %



MAT 9443

MT= 79 (n,n') Level
Cross Section

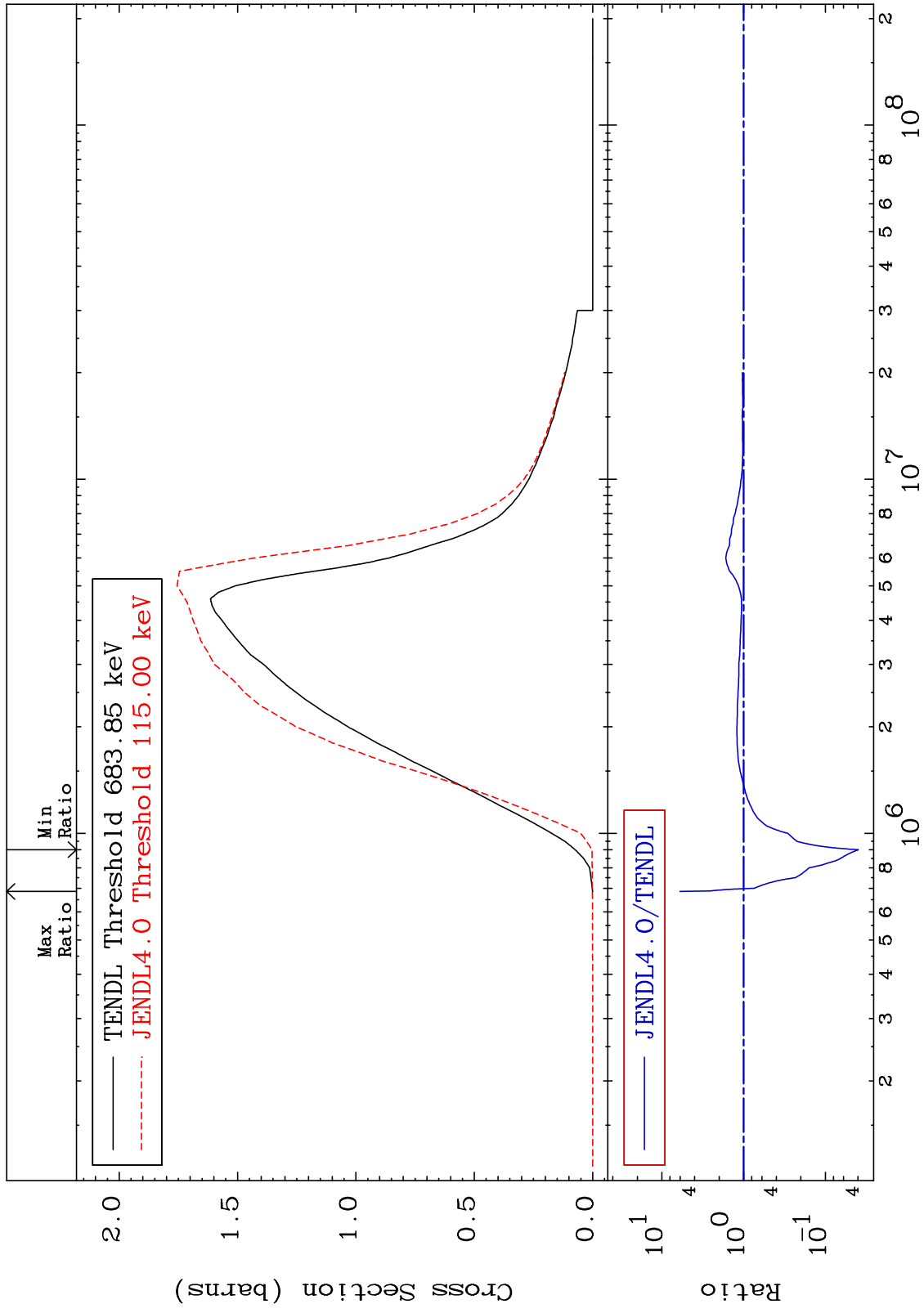
94-Pu-241
-58.51 To 318.6 %



40

94-Pu-241

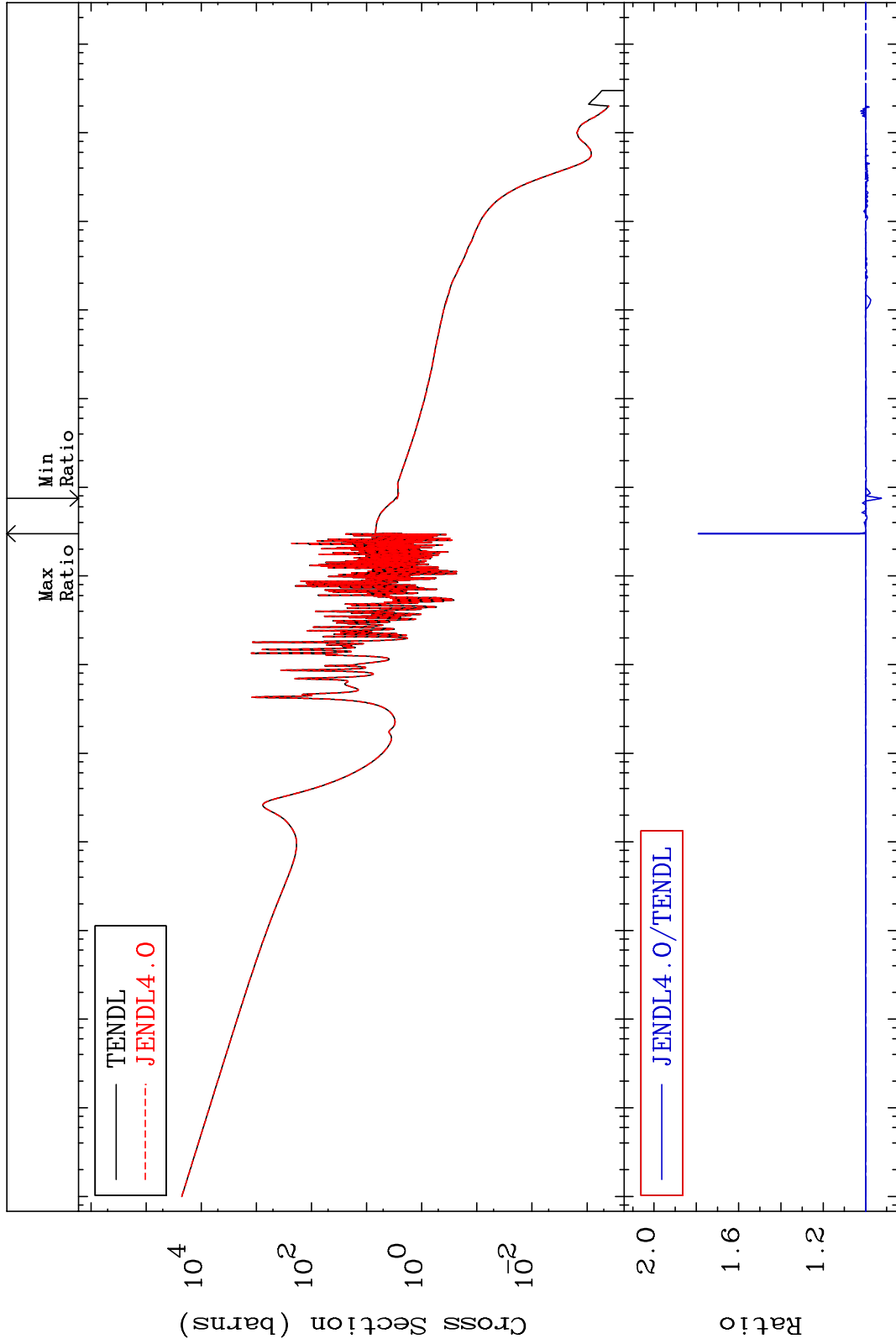
MAT 9443 (n,n') Continuum Cross Section 94-Pu-241 -96.04 To 501.2 %



MAT 9443

(n, γ)
Cross Section

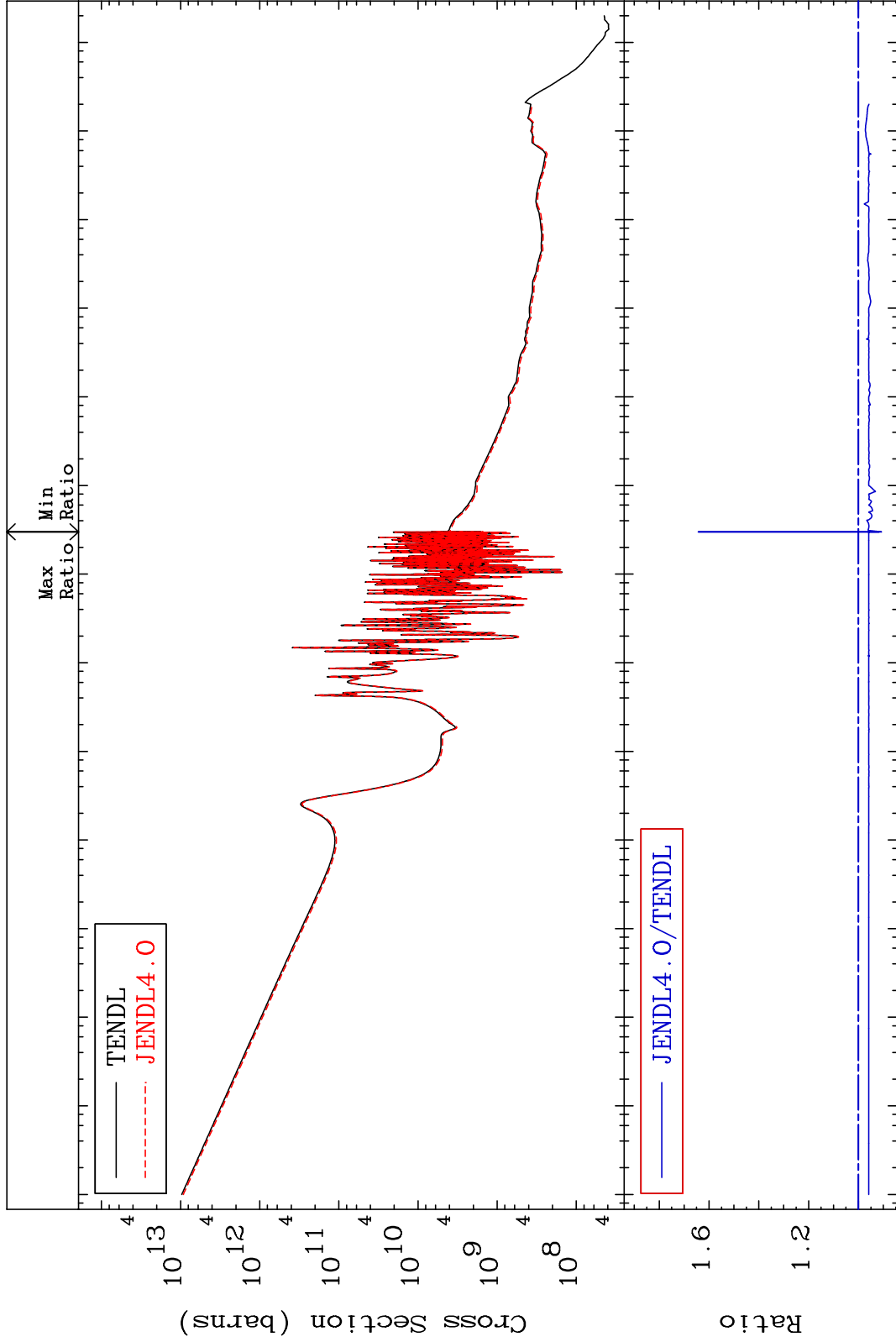
94-Pu-241
-7.539 To 79.03 %



MAT 9443

Kerma total (eV-barns)
Cross Section

94-Pu-241
-9.289 To 64.29 %



43

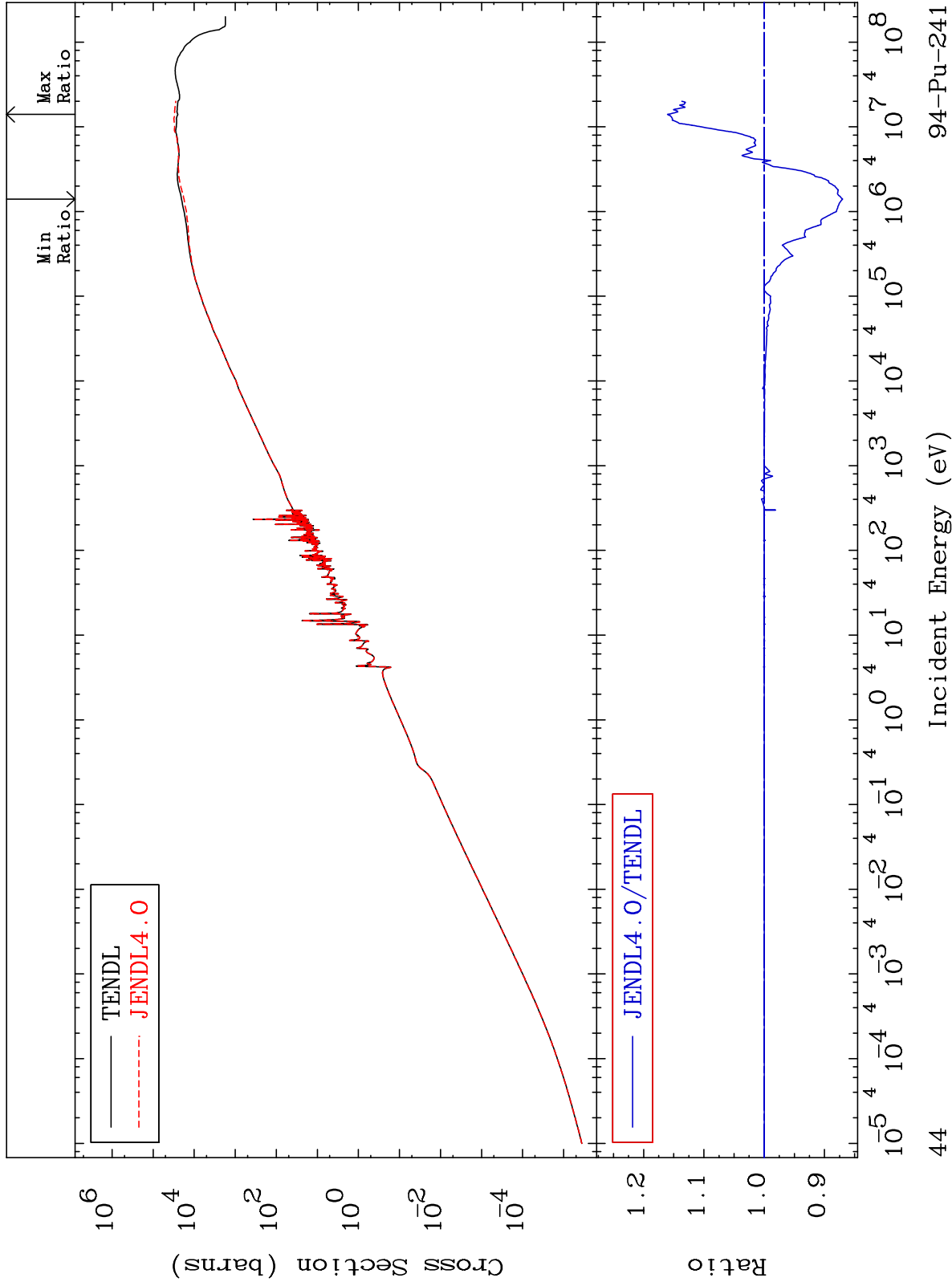
Incident Energy (eV)

94-Pu-241

MAT 9443

Kerma elastic
Cross Section

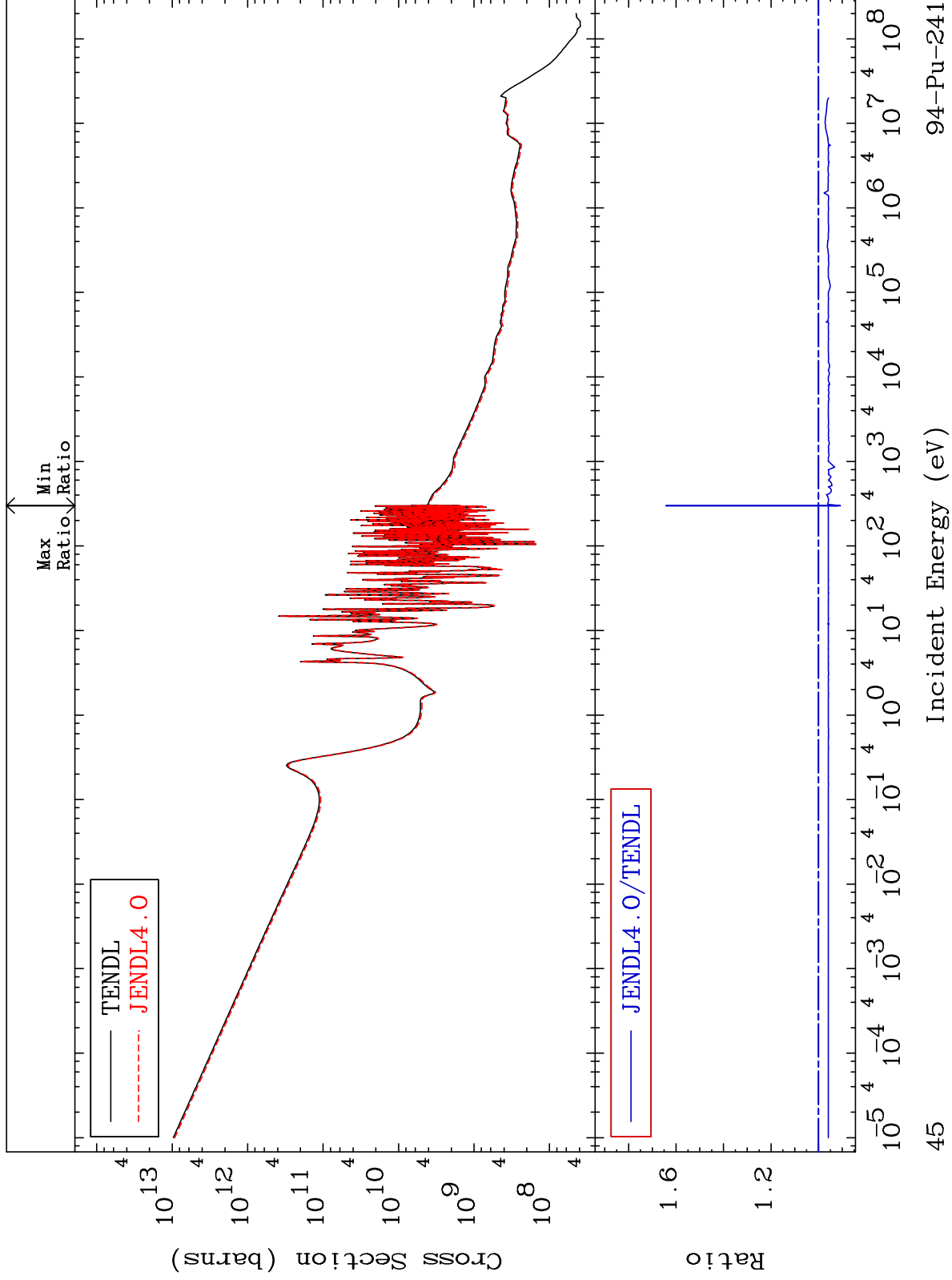
94-Pu-241
-13.01 To 16.03 %



MAT 9443

Kerma non-elastic (all but mt2)
Cross Section

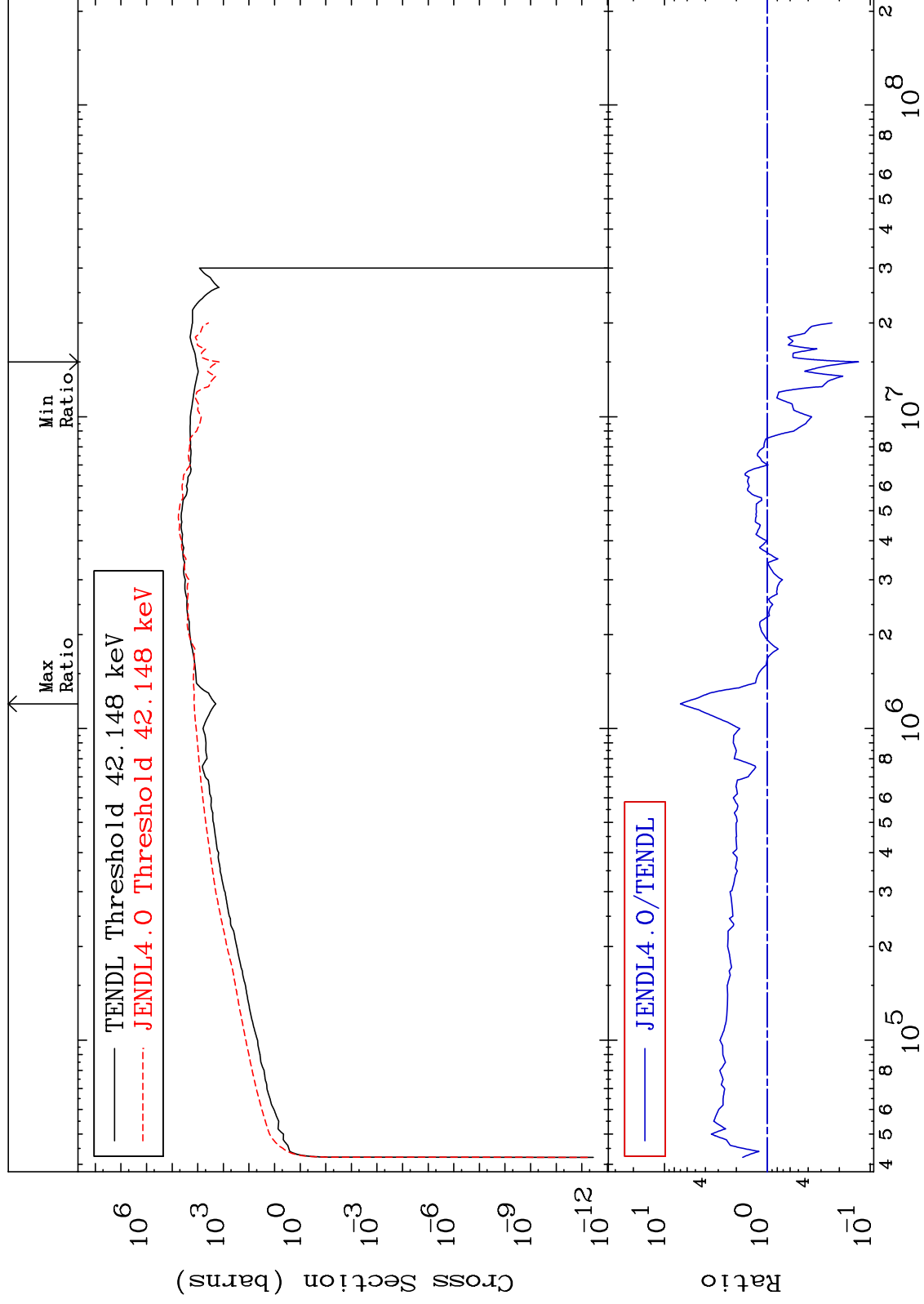
94-Pu-241
-9.289 To 64.29 %



MAT 9443

Kerma inelastic (mt51-91)
Cross Section

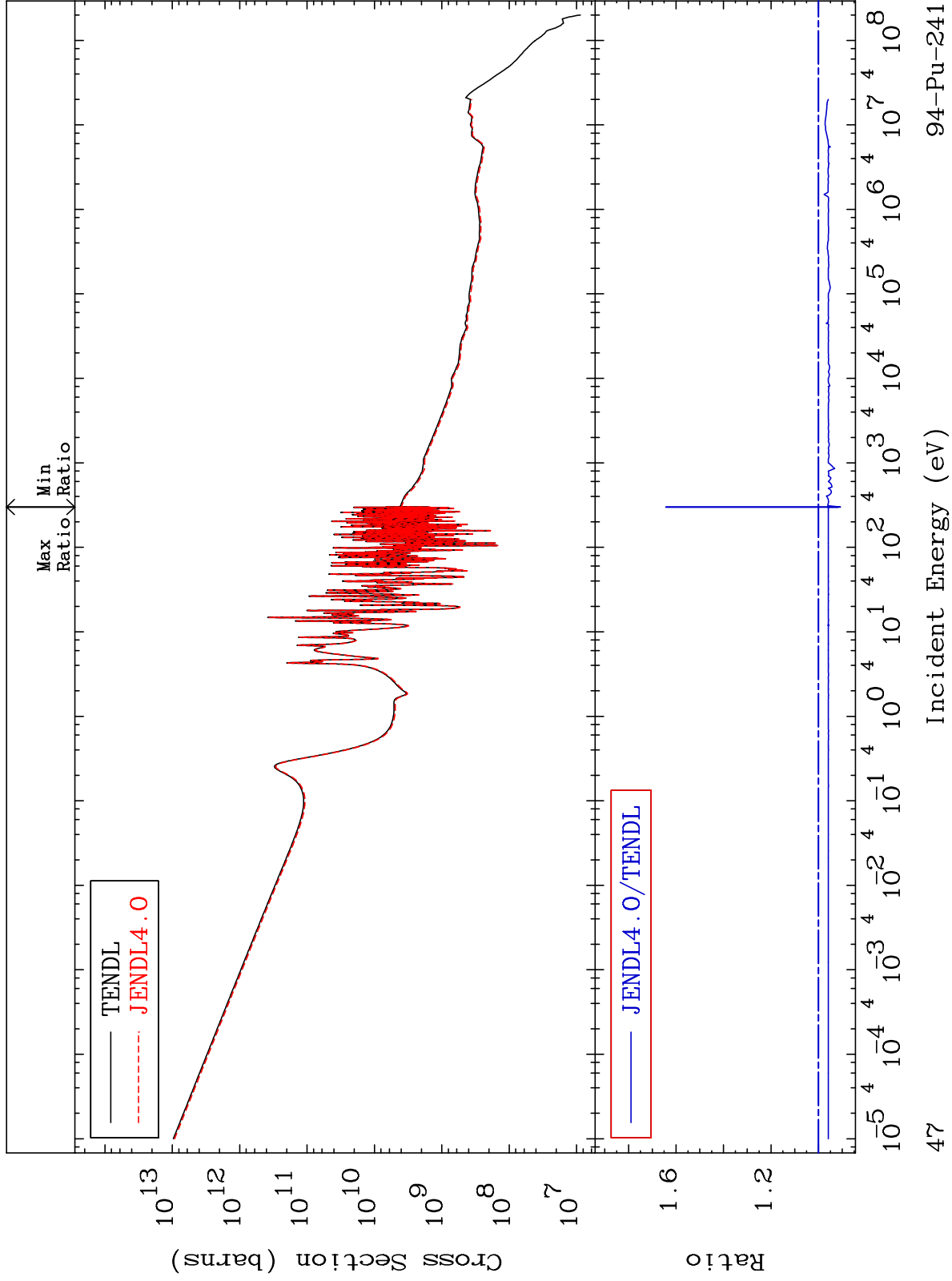
94-Pu-241
-87.01 To 598.1 %



MAT 9443

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

94-Pu-241
-9.289 To 64.29 %



47

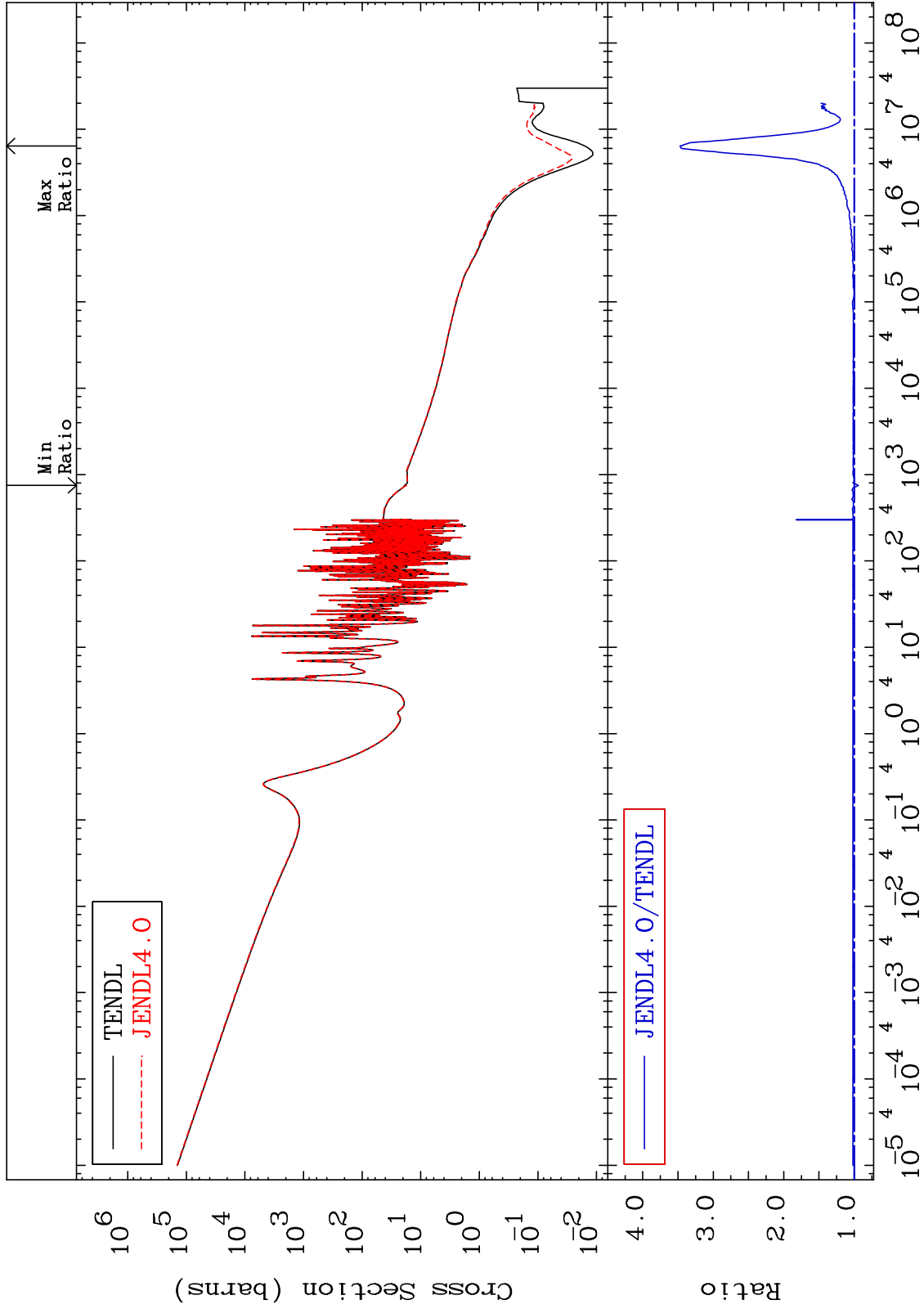
Incident Energy (eV)

94-Pu-241

MAT 9443

Kerma capture (mt102)
Cross Section

94-Pu-241
-5.976 To 247.1 %



48

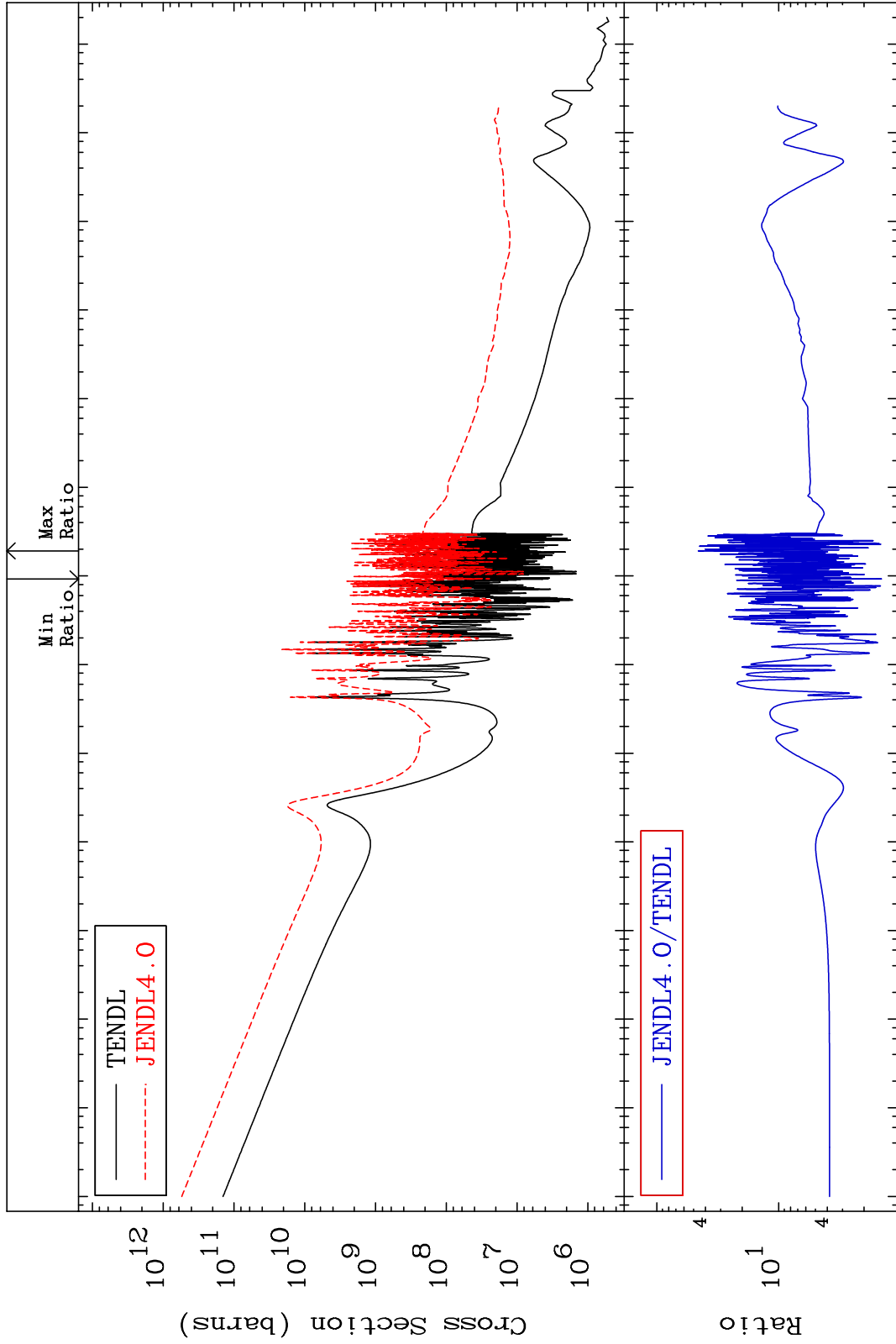
Incident Energy (eV)

94-Pu-241

MAT 9443

Total photon (eV-barns)
Cross Section

94-Pu-241
43.48 To 4473. %



49

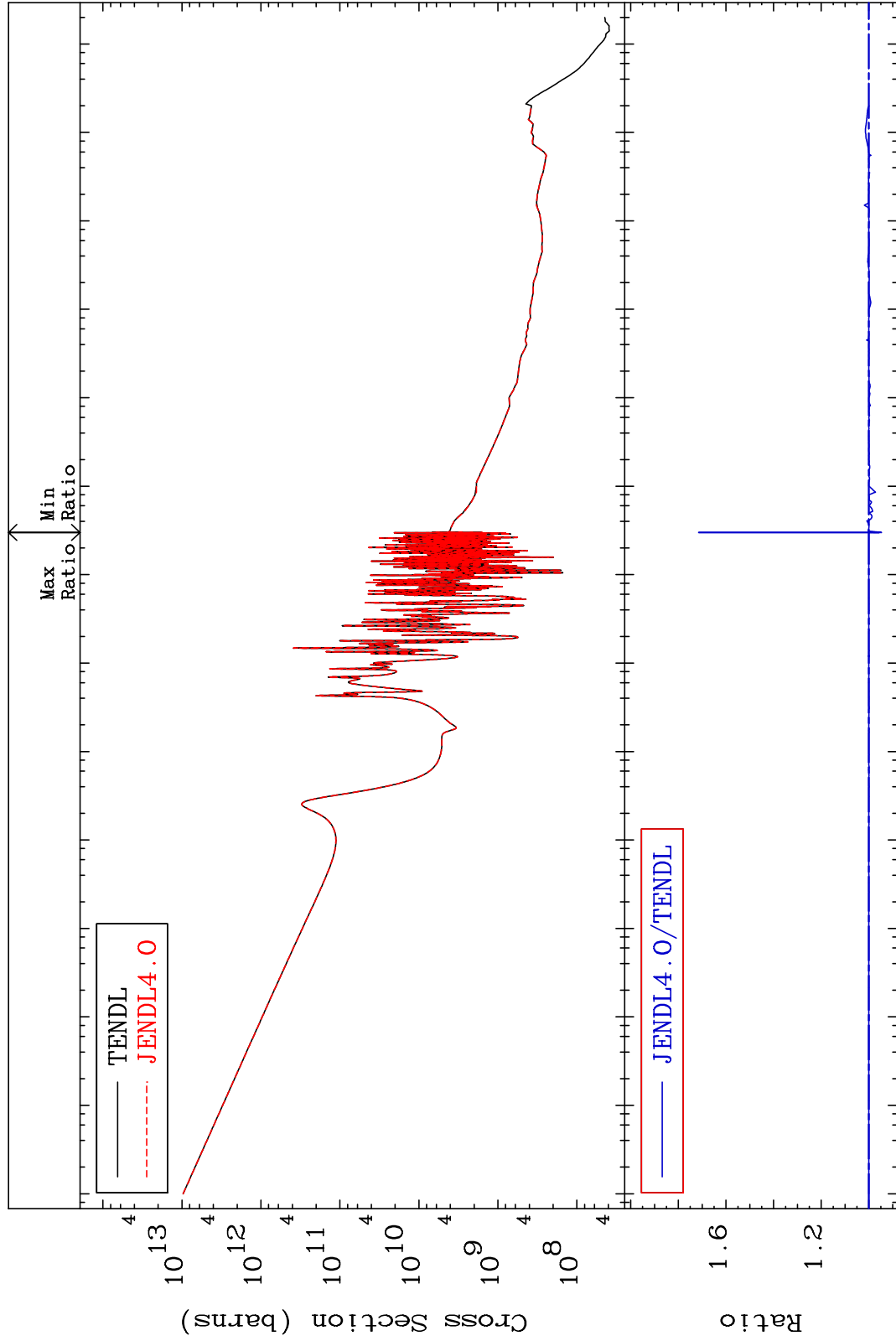
Incident Energy (eV)

94-Pu-241

MAT 9443

Total kinematic kerma (high limit)
Cross Section

94-Pu-241
-5.336 To 71.45 %



50

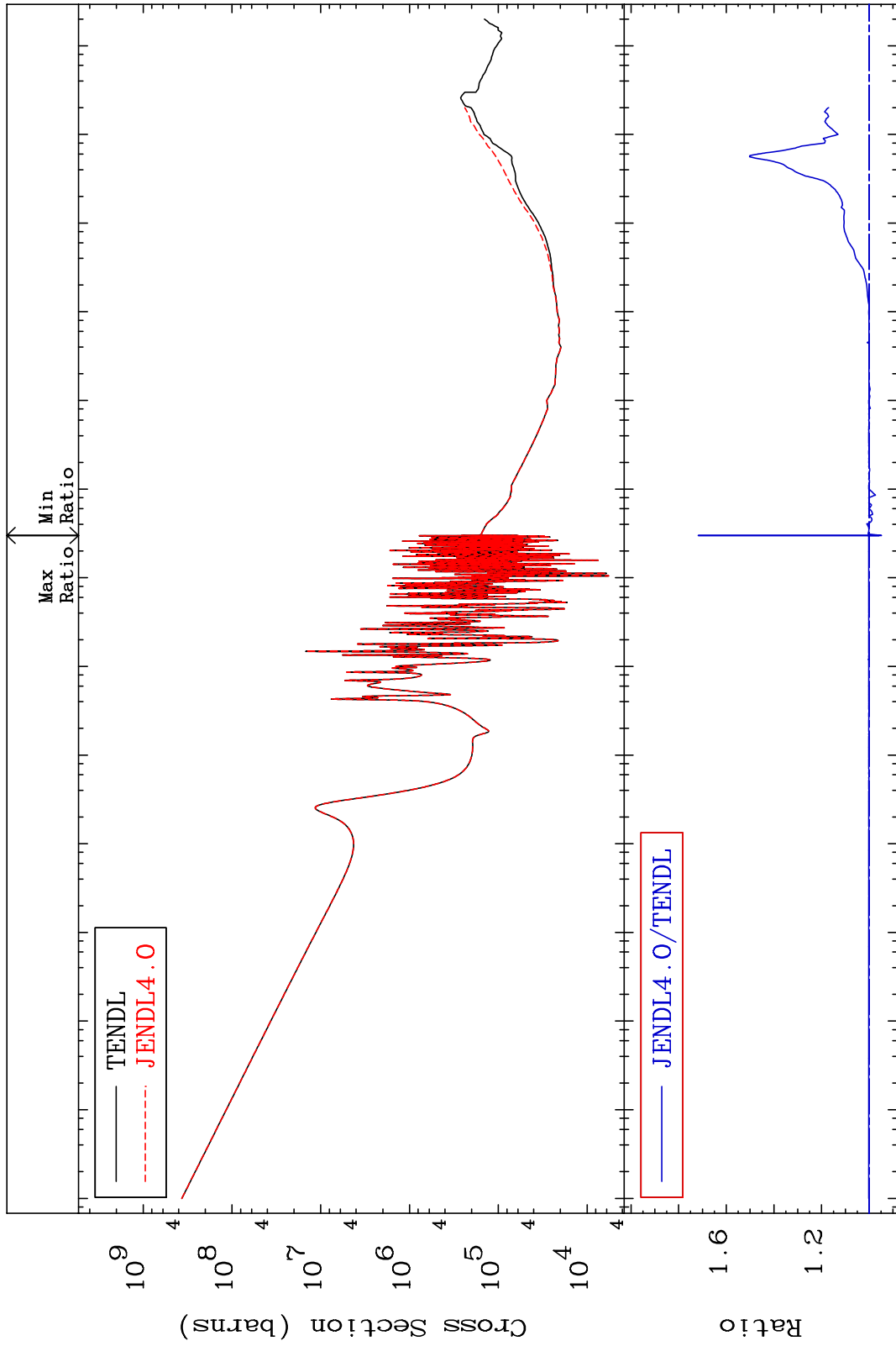
Incident Energy (eV)

94-Pu-241

MAT 9443

Dpa total (eV-barns)
Cross Section

94-Pu-241
-5.183 To 71.72 %



51

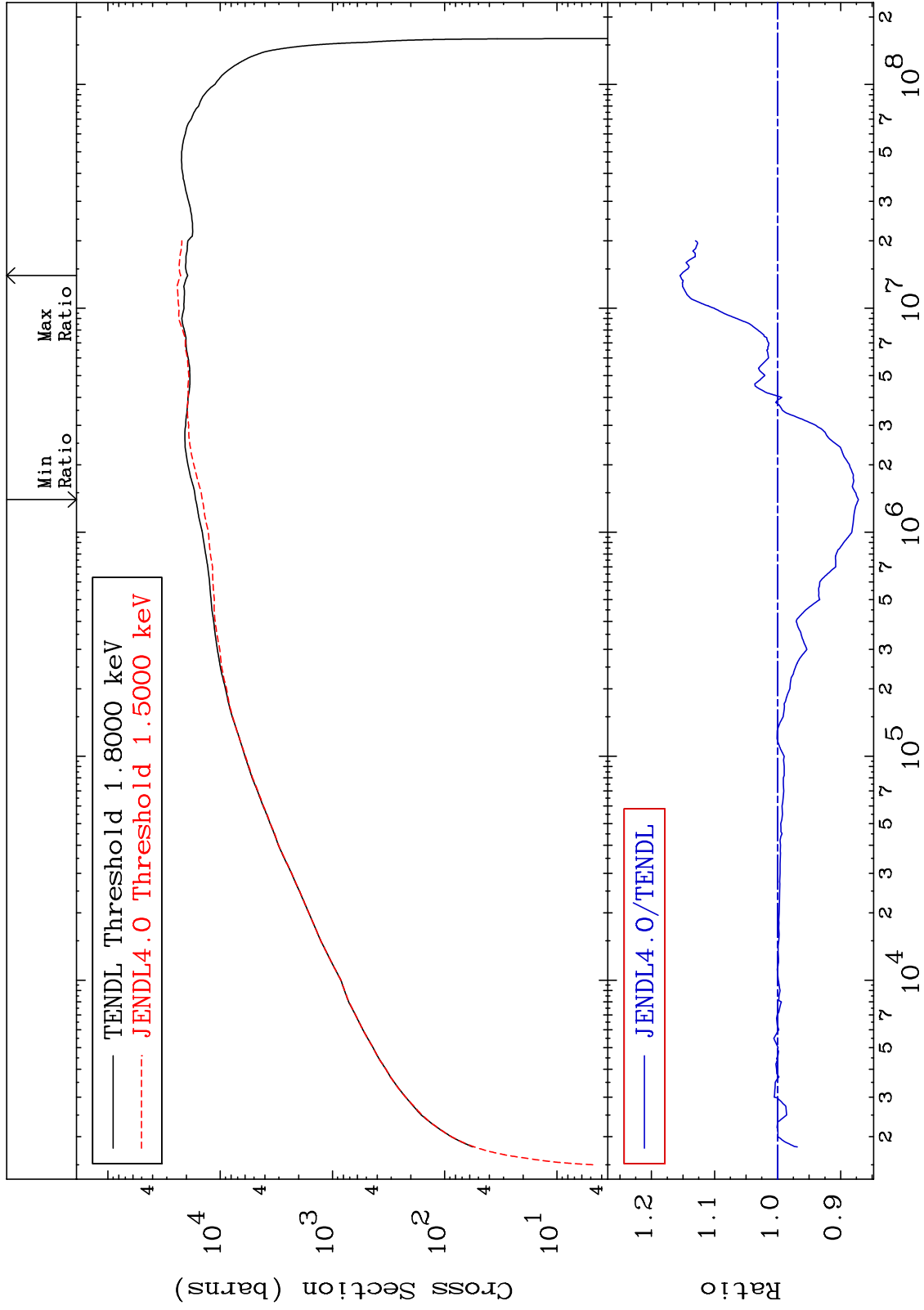
Incident Energy (eV)

94-Pu-241

MAT 9443

Dpa elastic (mt2)
Cross Section

94-Pu-241
-12.82 To 15.47 %



52

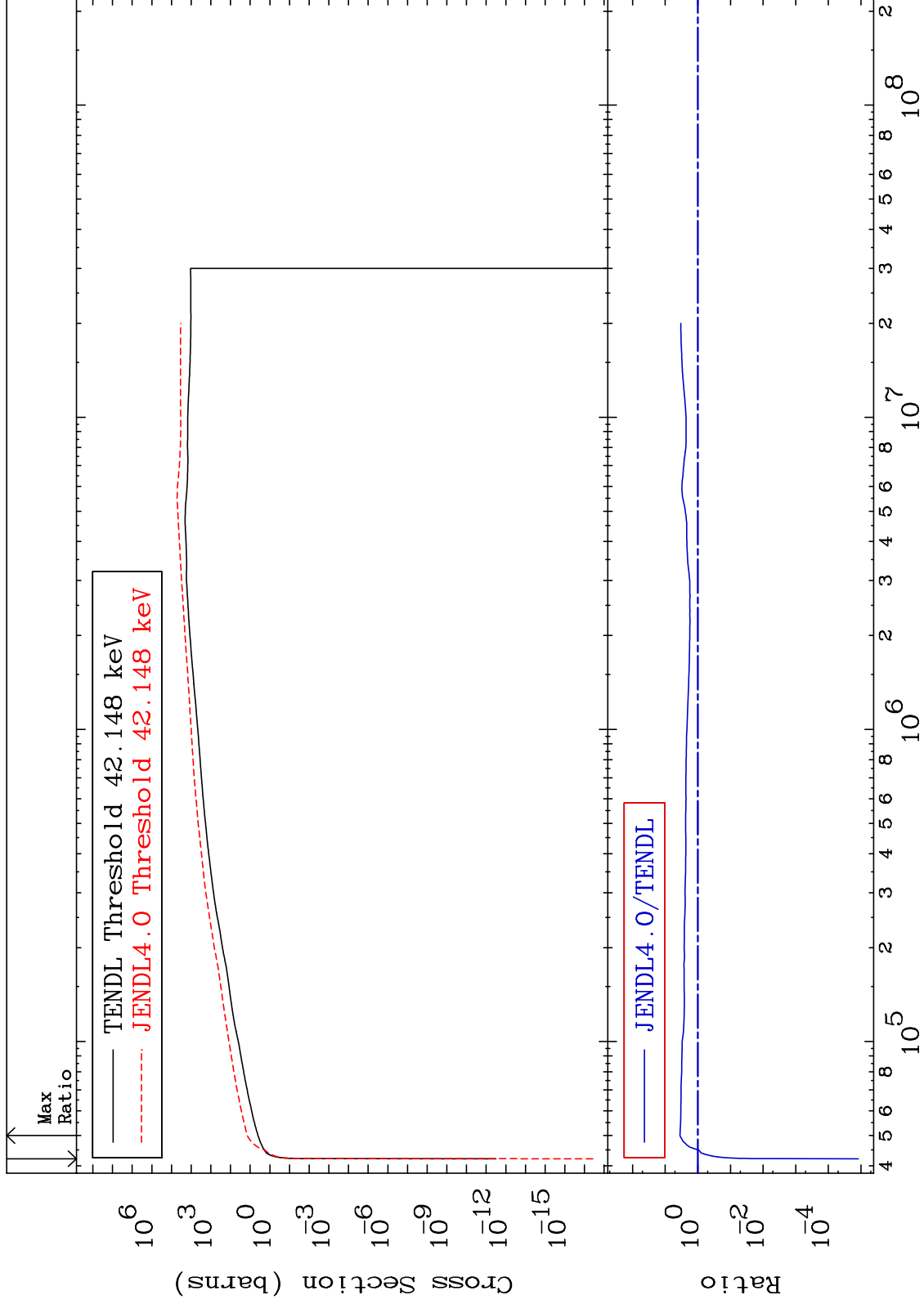
Incident Energy (eV)

94-Pu-241

MAT 9443

Dpa inelastic (mt51-91)
Cross Section

94-Pu-241
-100.0 To 251.3 %



MAT 9443

Dpa disappearance (mt102 -120)
Cross Section

94-Pu-241
-99.99 To 252.1 %

