

Program Complot  
(Version 2018-1)

by

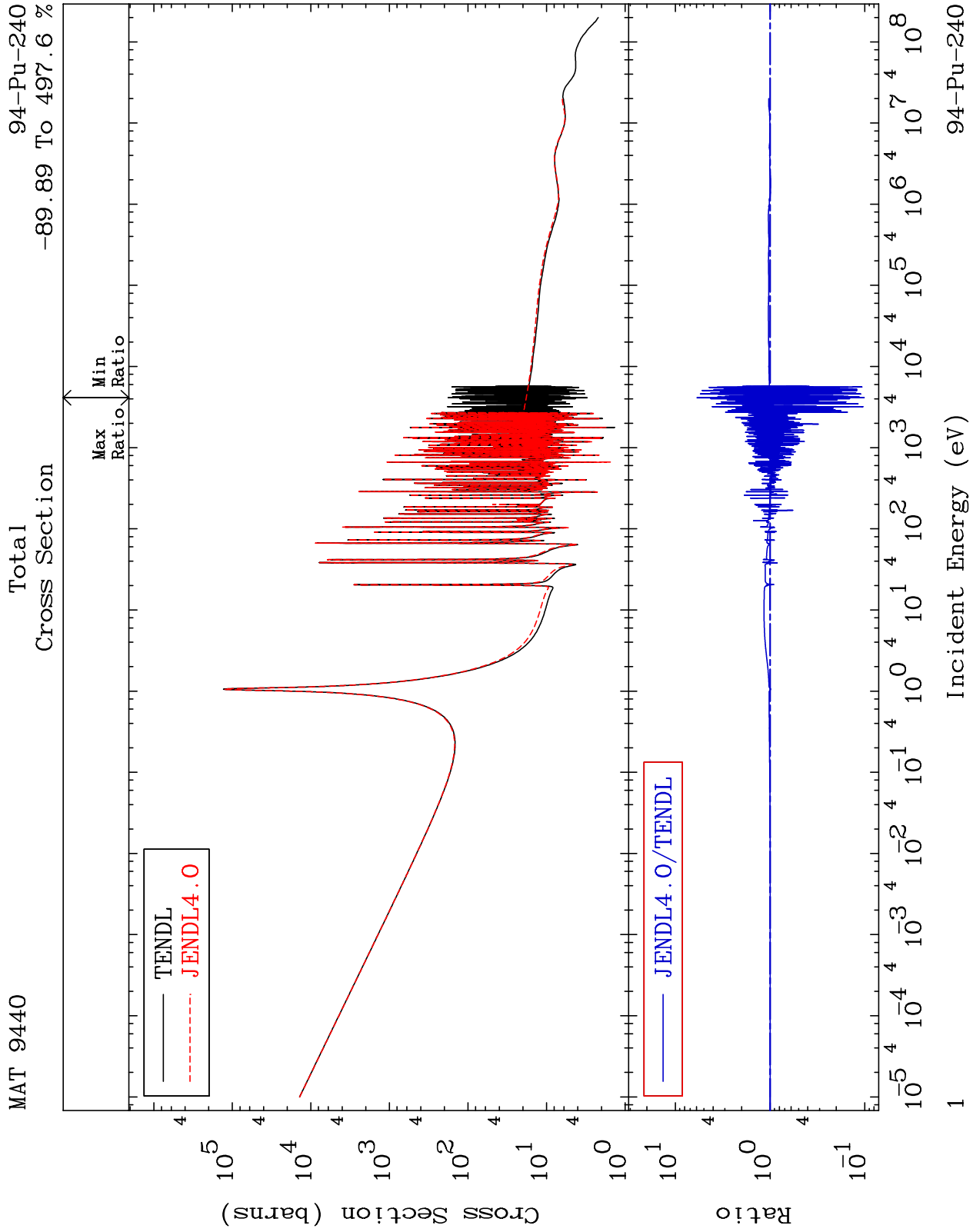
Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

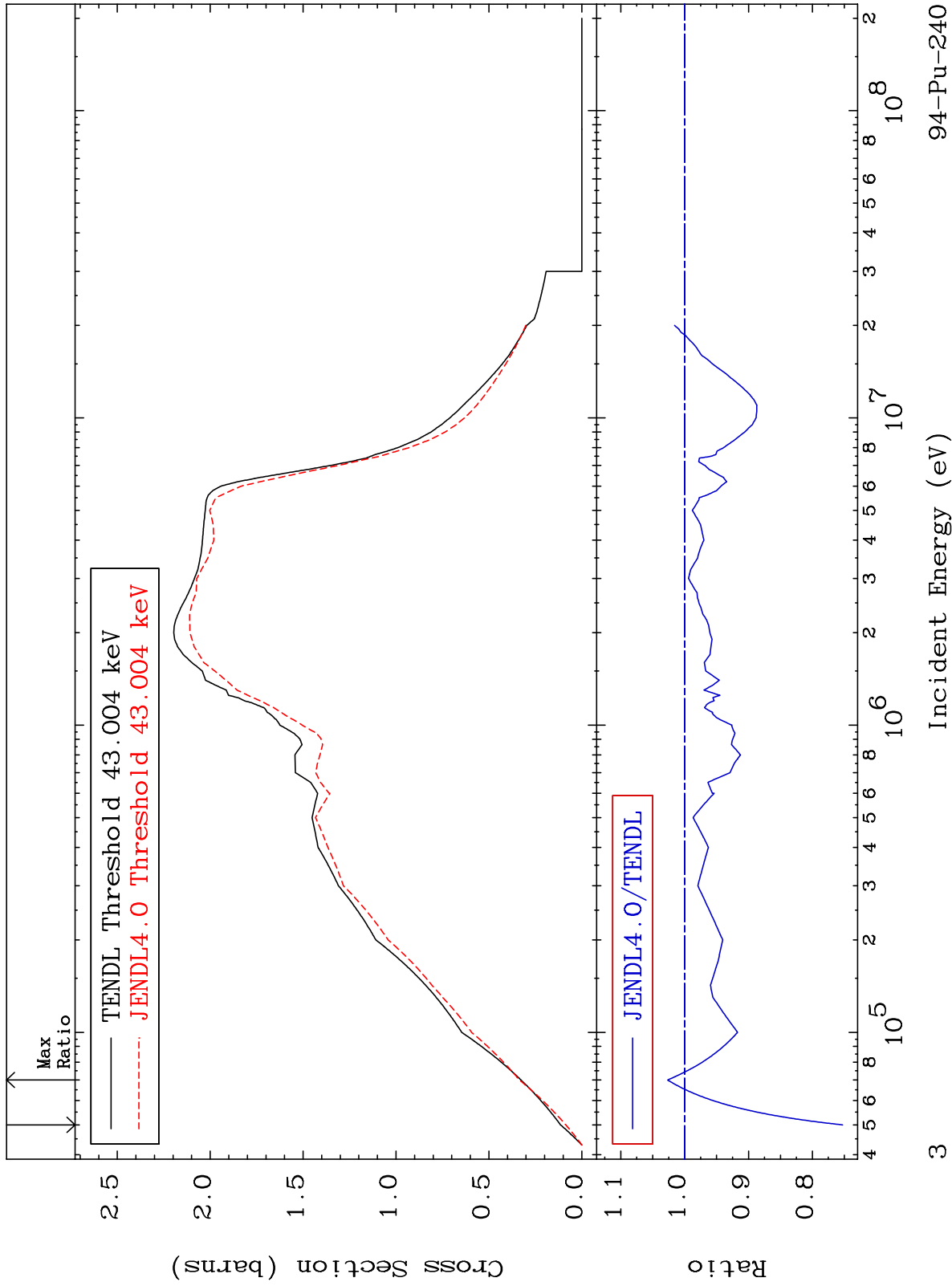
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

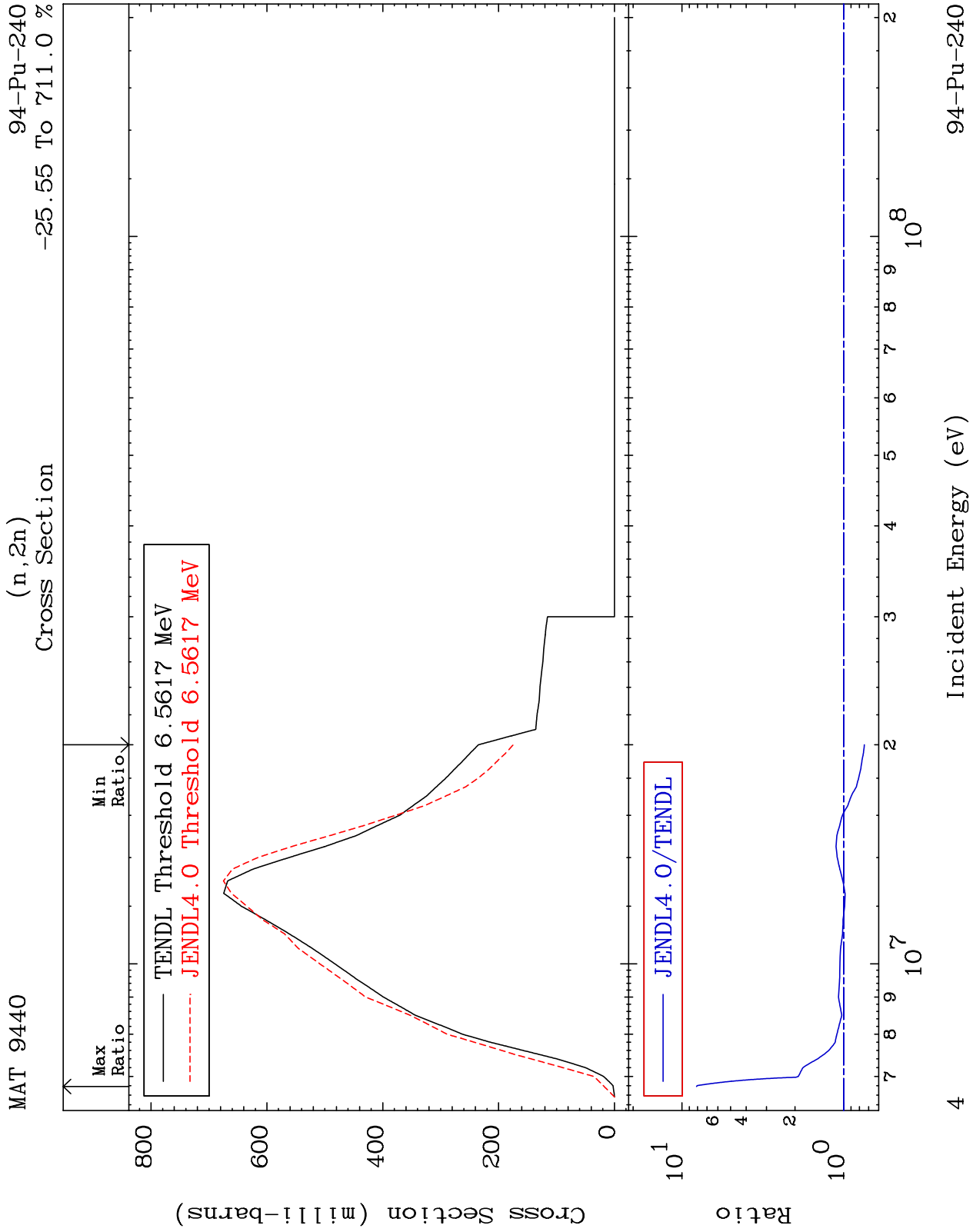
Press Mouse Button to Start





MAT 9440 Inelastic Cross Section 94-Pu-240 -24.74 To 2.678 %





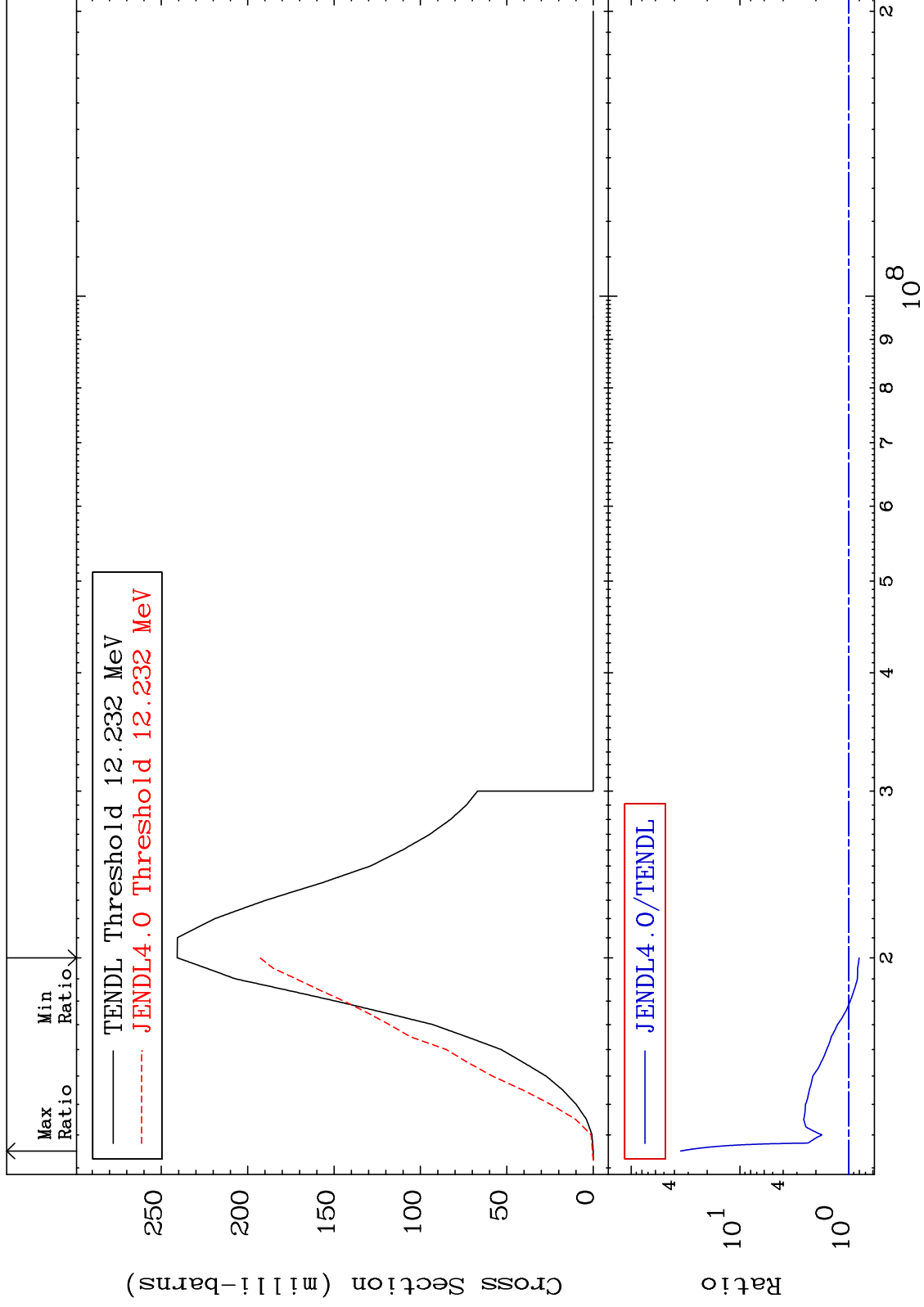
MAT 9440

(n, 3n)

94-Pu-240

Cross Section

-19.88 To 3417. %



Incident Energy (eV)

94-Pu-240

5

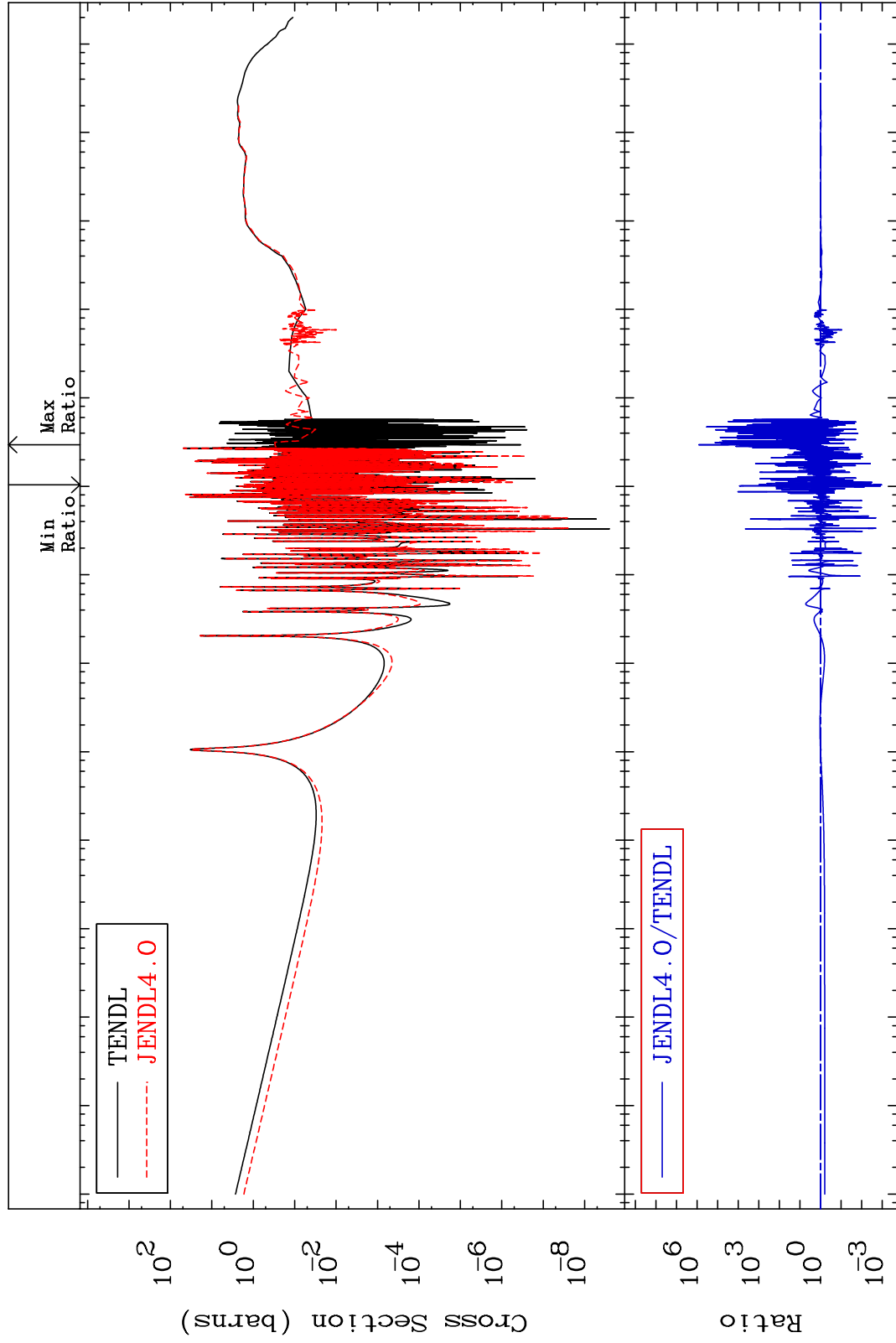
MAT 9440

Fission

94-Pu-240

Cross Section

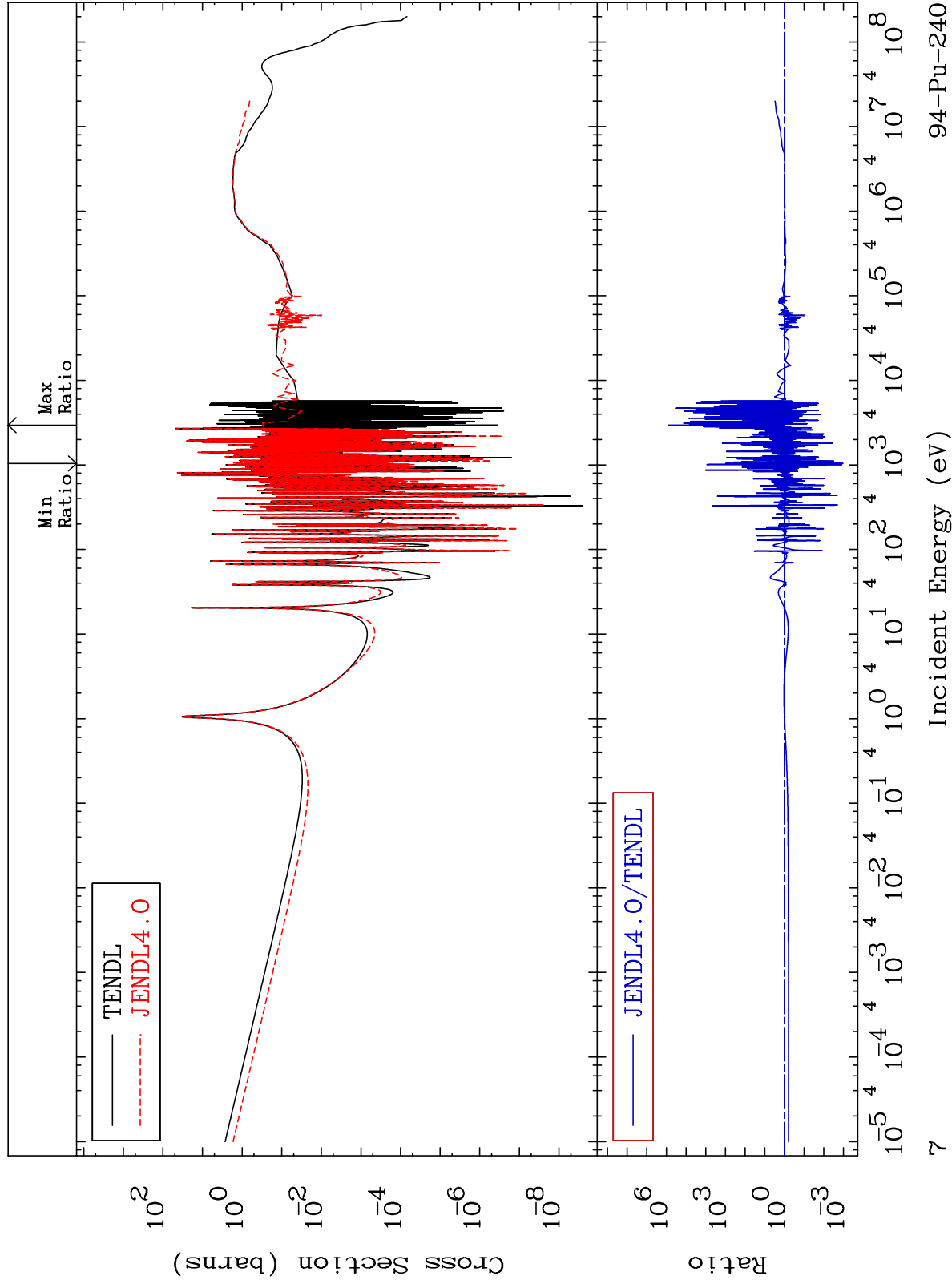
-99.89 To 9999. %



MAT 9440

(n,f) First Chance  
Cross Section

94-Pu-240  
-99.89 To 9999. %



94-Pu-240

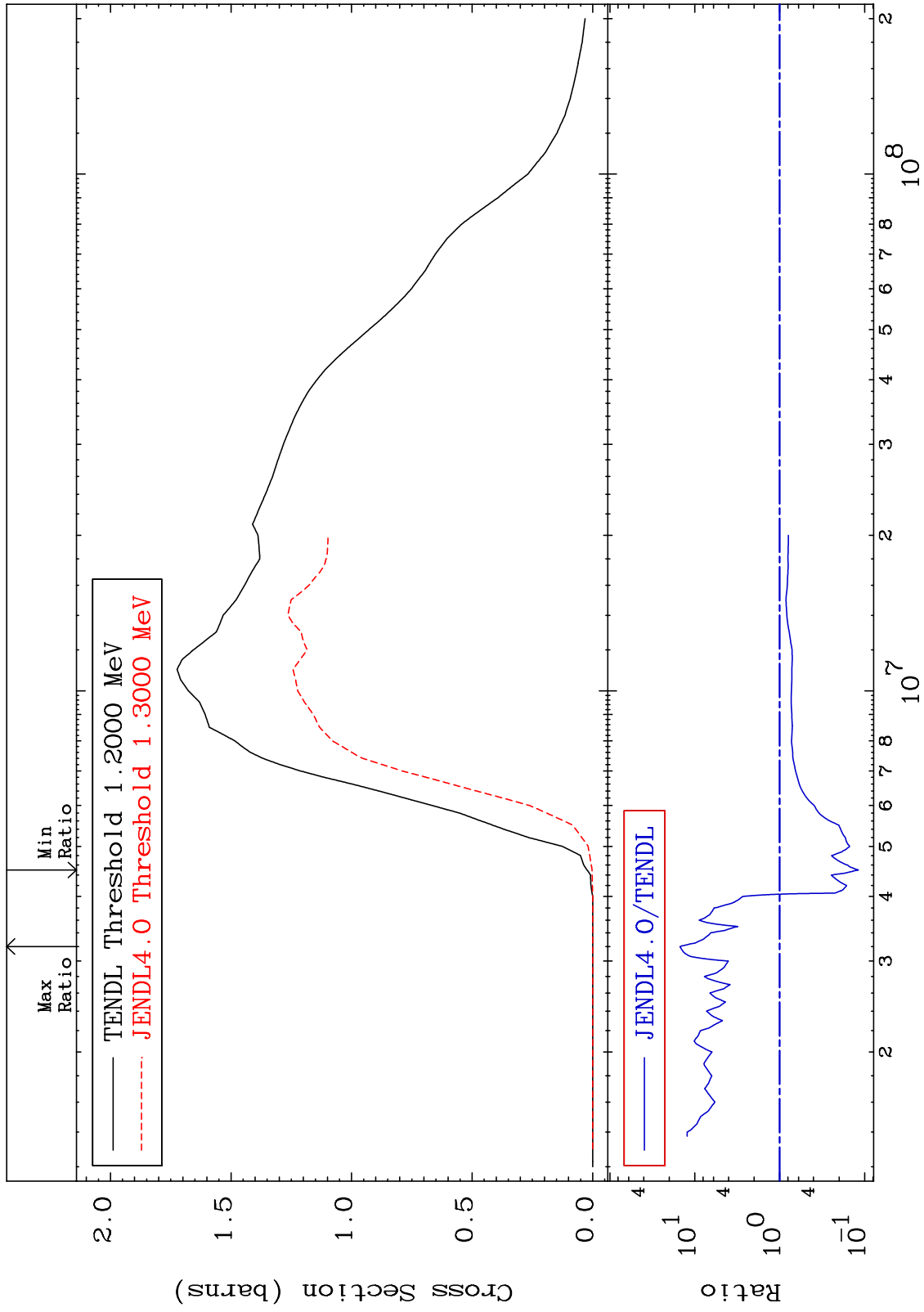
Incident Energy (eV)



MAT 9440

(n, nf) Second Chance  
Cross Section

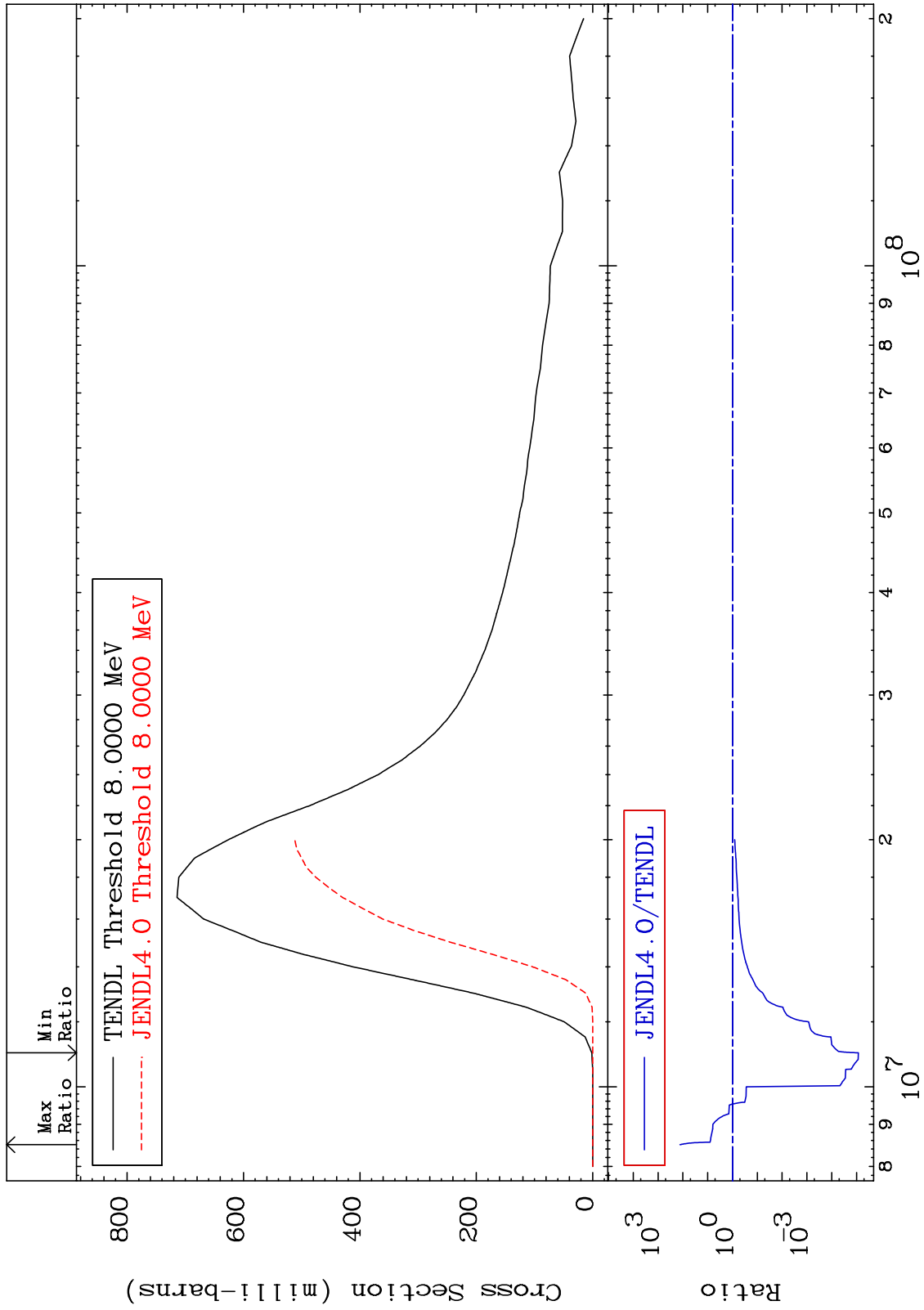
94-Pu-240  
-88.15 To 1392. %



MAT 9440

(n,2nf) Third Chance  
Cross Section

94-Pu-240  
-100.0 To 9999. %



9

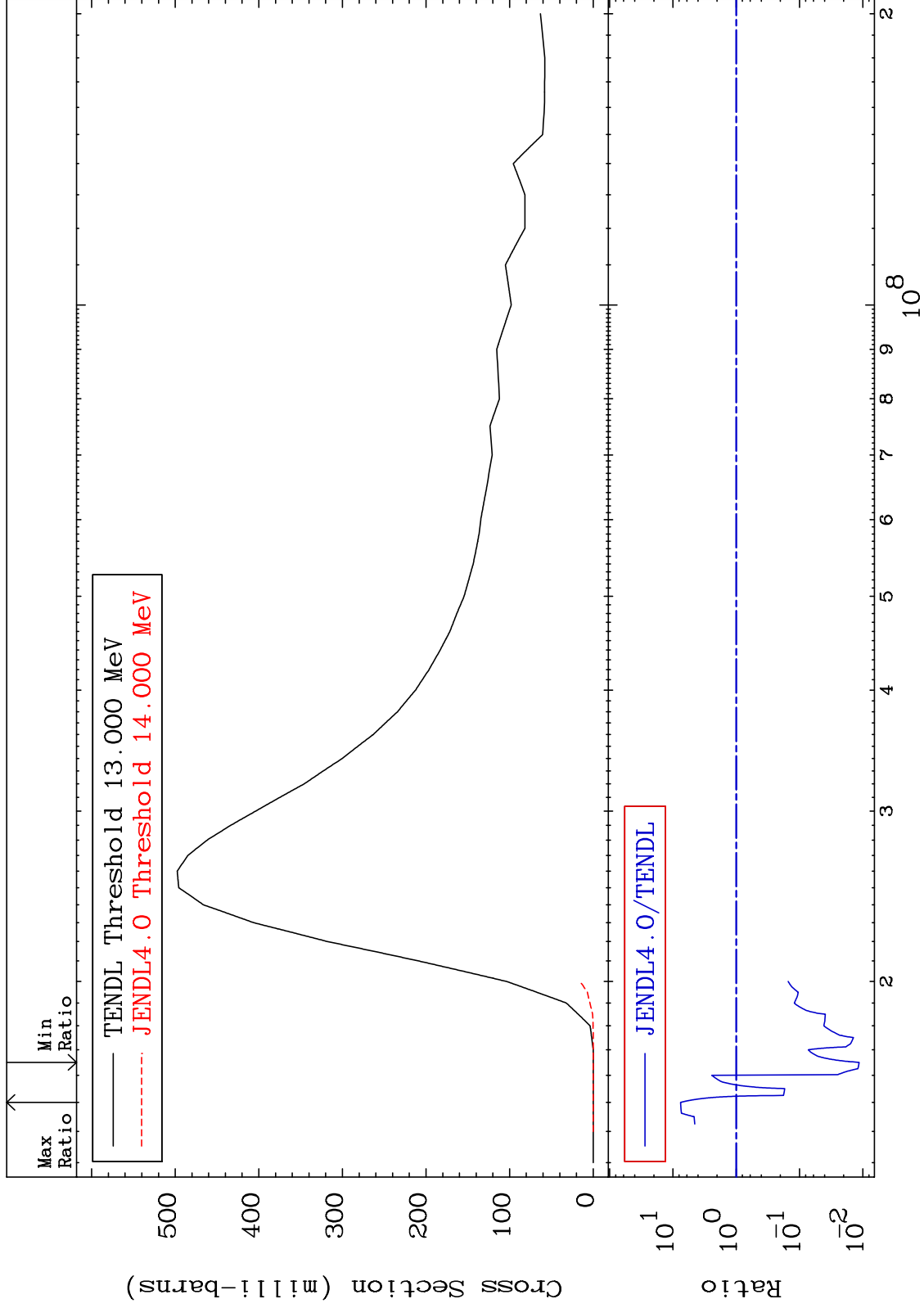
Incident Energy (eV)

94-Pu-240

MAT 9440

(n,3nf) Fourth Chance  
Cross Section

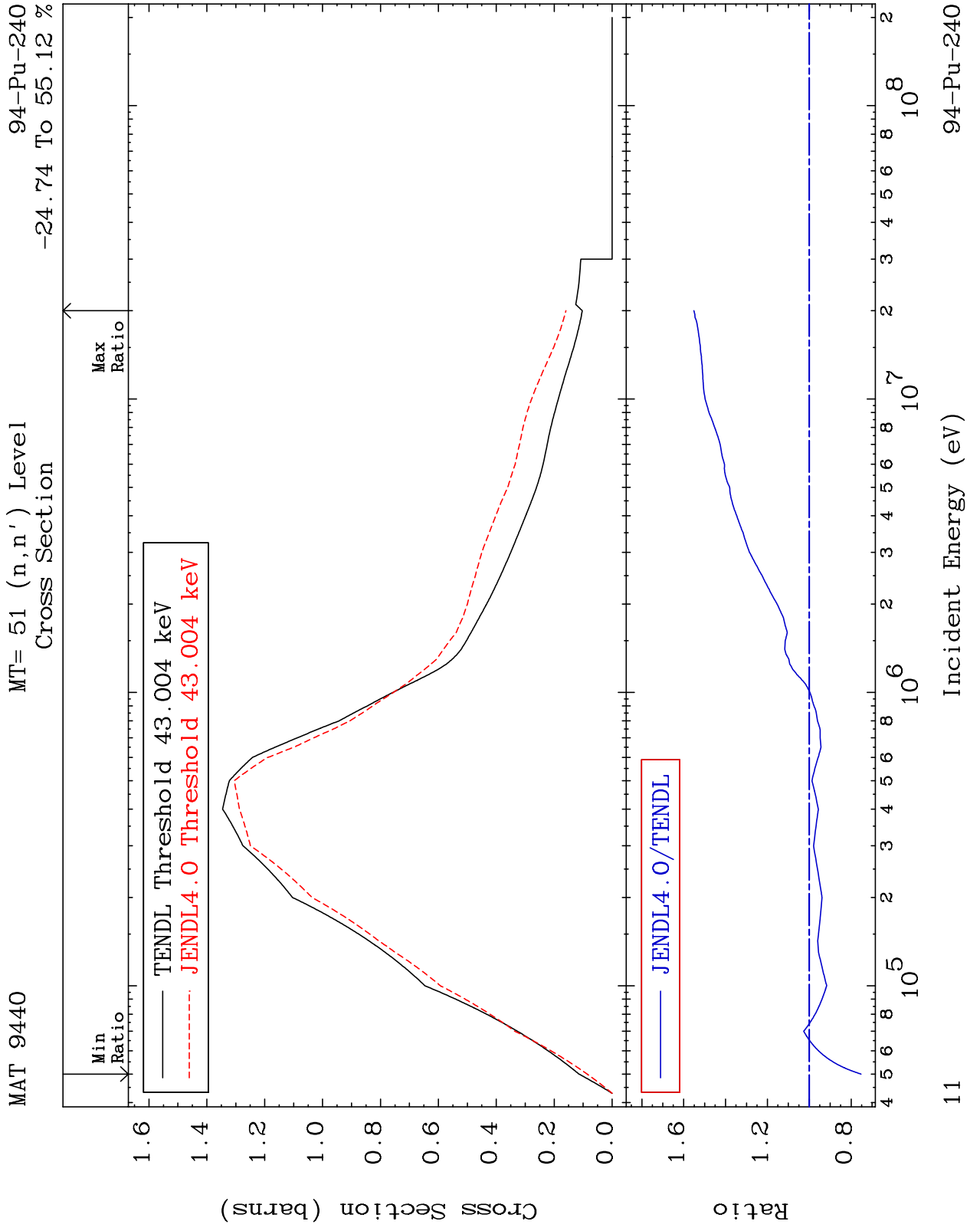
94-Pu-240  
-98.86 To 654.3 %



10

Incident Energy (eV)

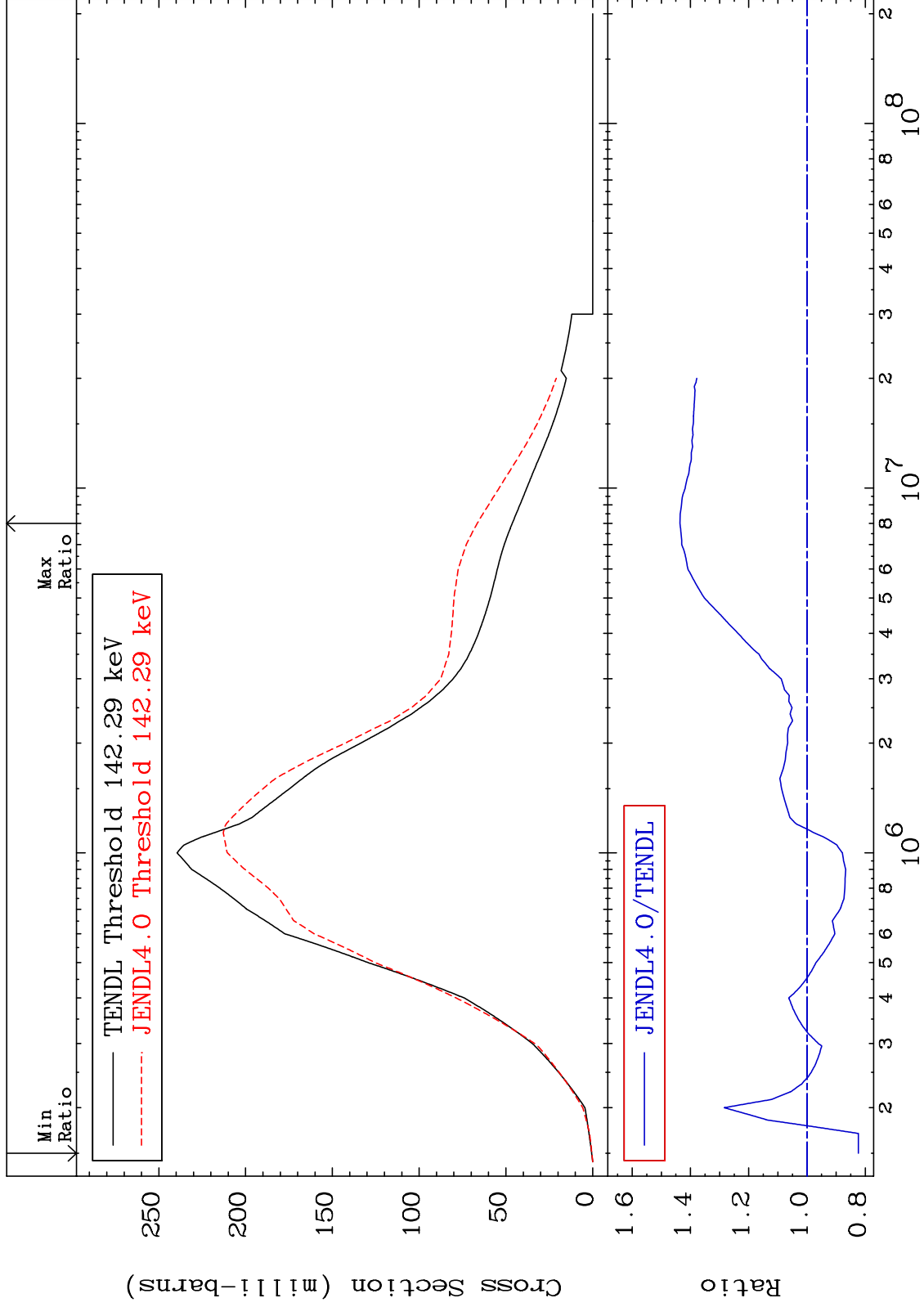
94-Pu-240



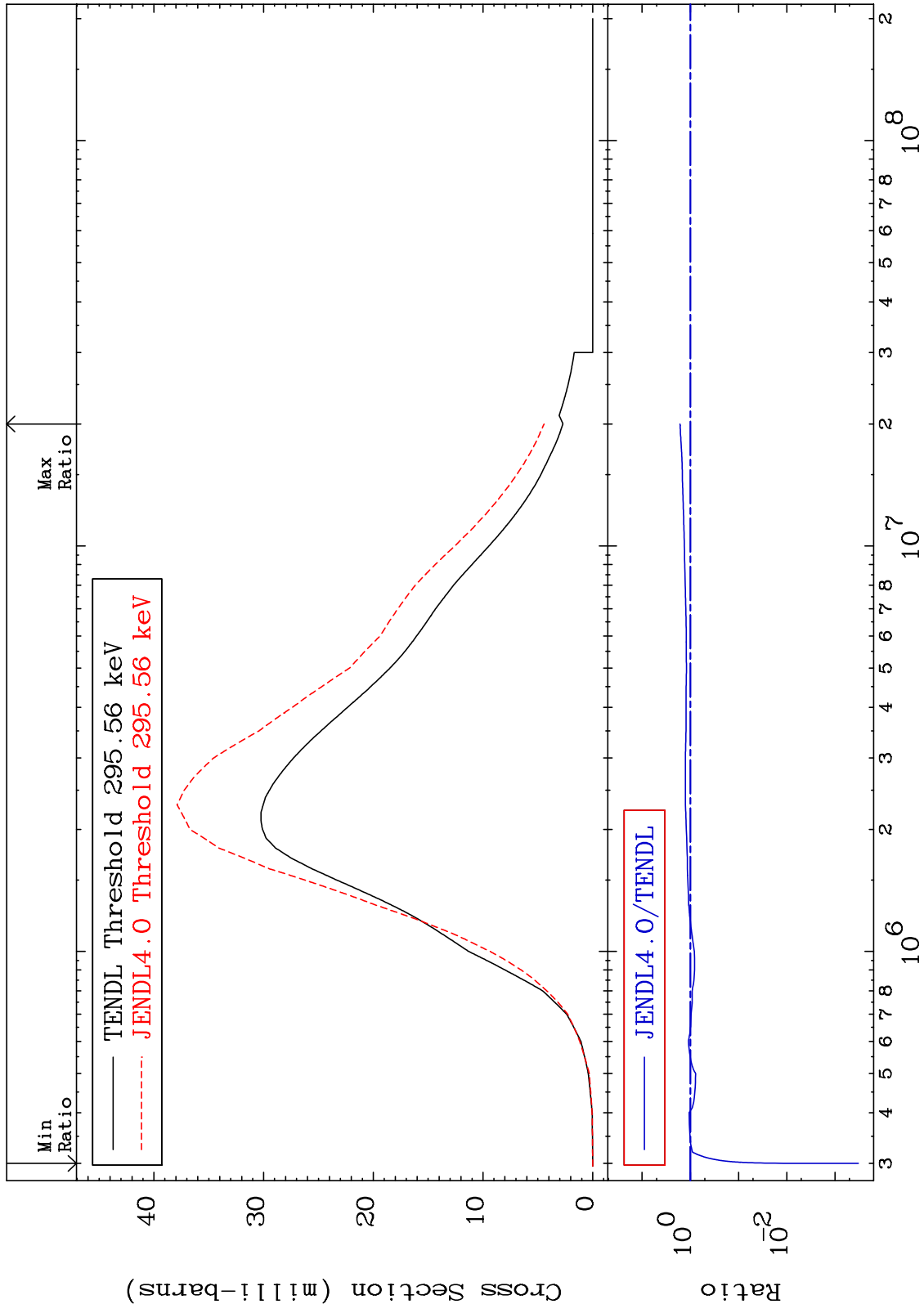
MAT 9440

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

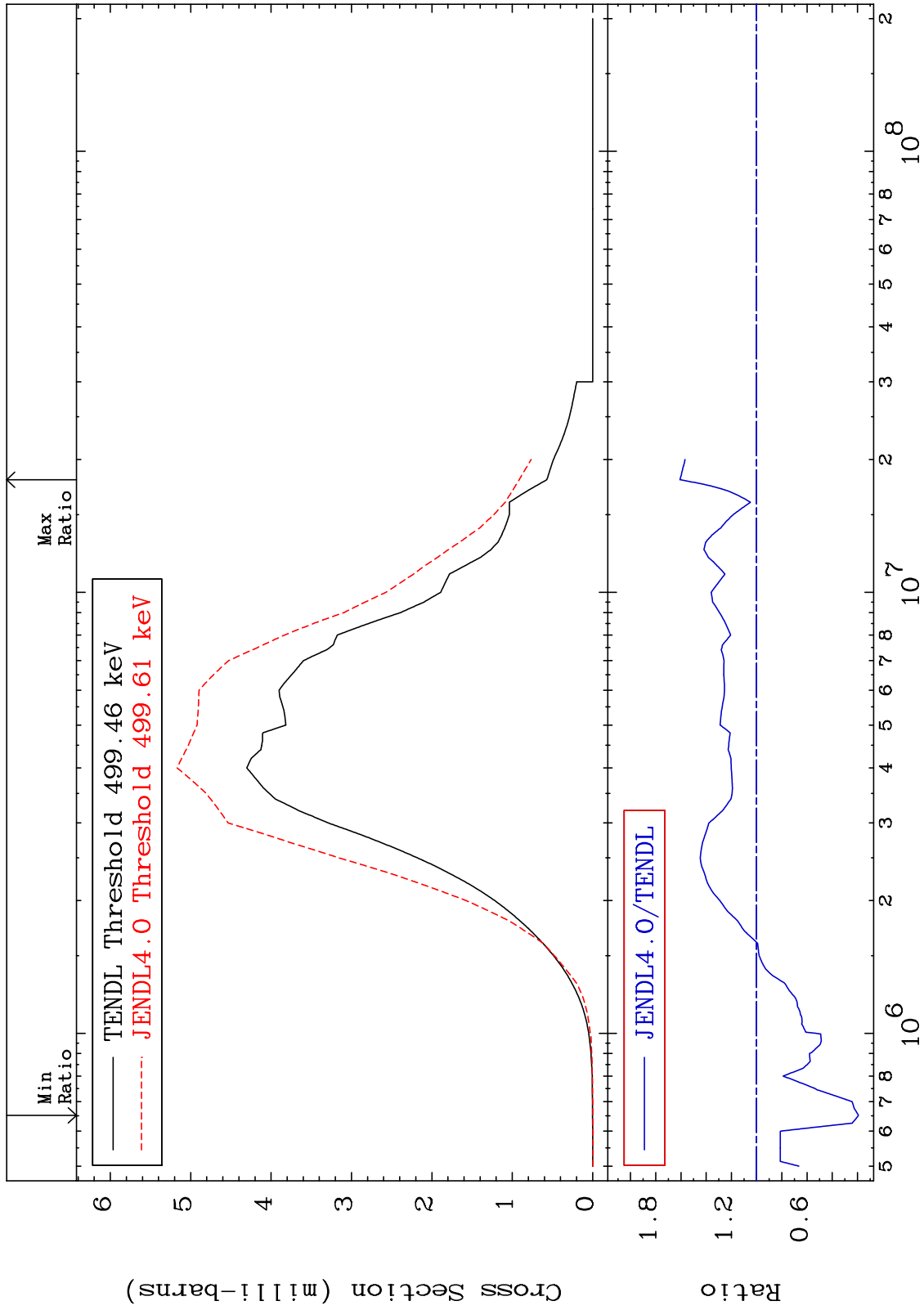
94-Pu-240  
-17.63 To 43.58 %



MAT 9440 MT= 53 (n,n') Level Cross Section 94-Pu-240  
 -99.97 To 63.54 %



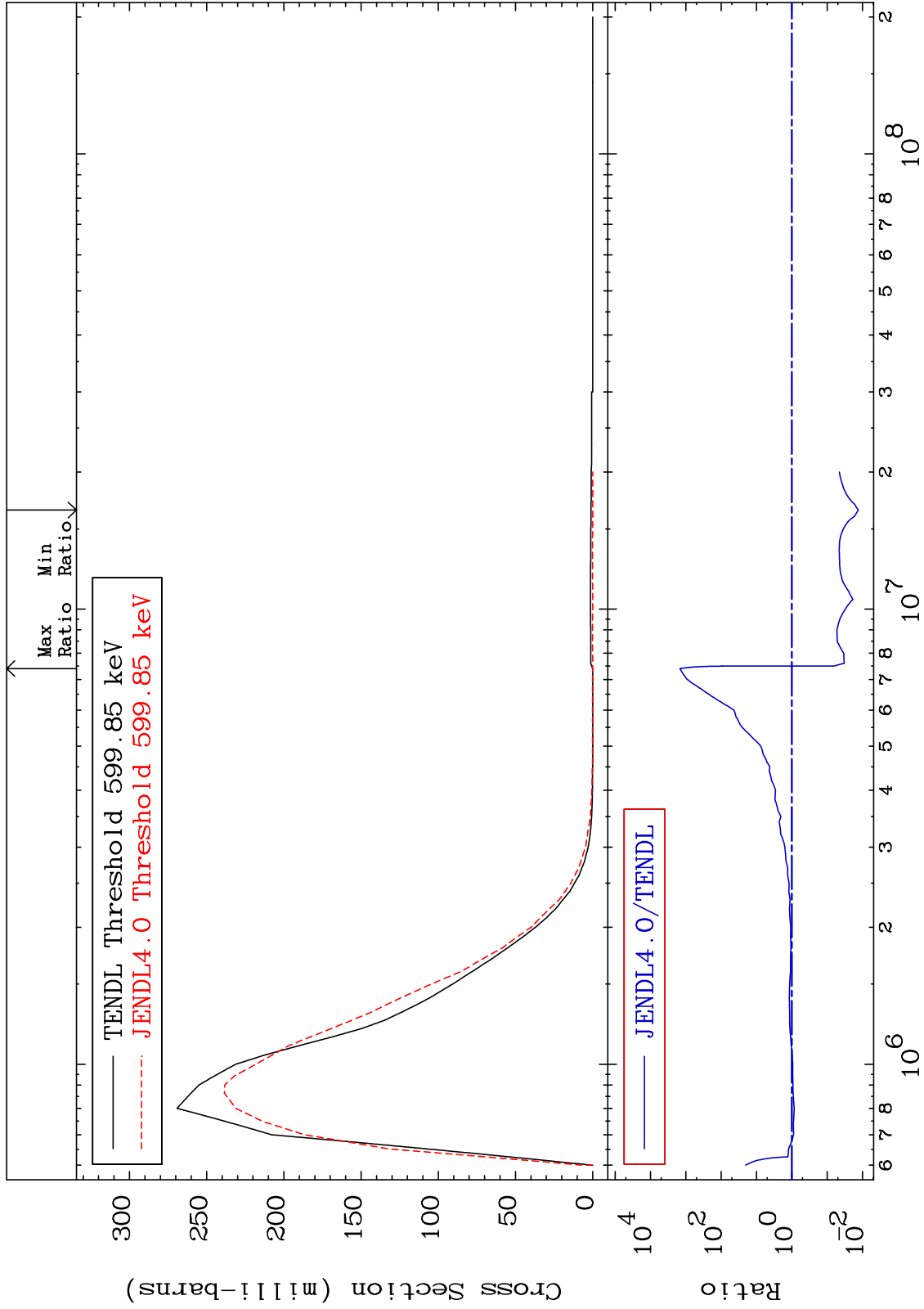
MAT 9440 MT= 54 (n,n') Level Cross Section -80.76 To 60.74 % 94-Pu-240



MAT 9440

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

94-Pu-240  
-98.70 To 9999. %



15

94-Pu-240



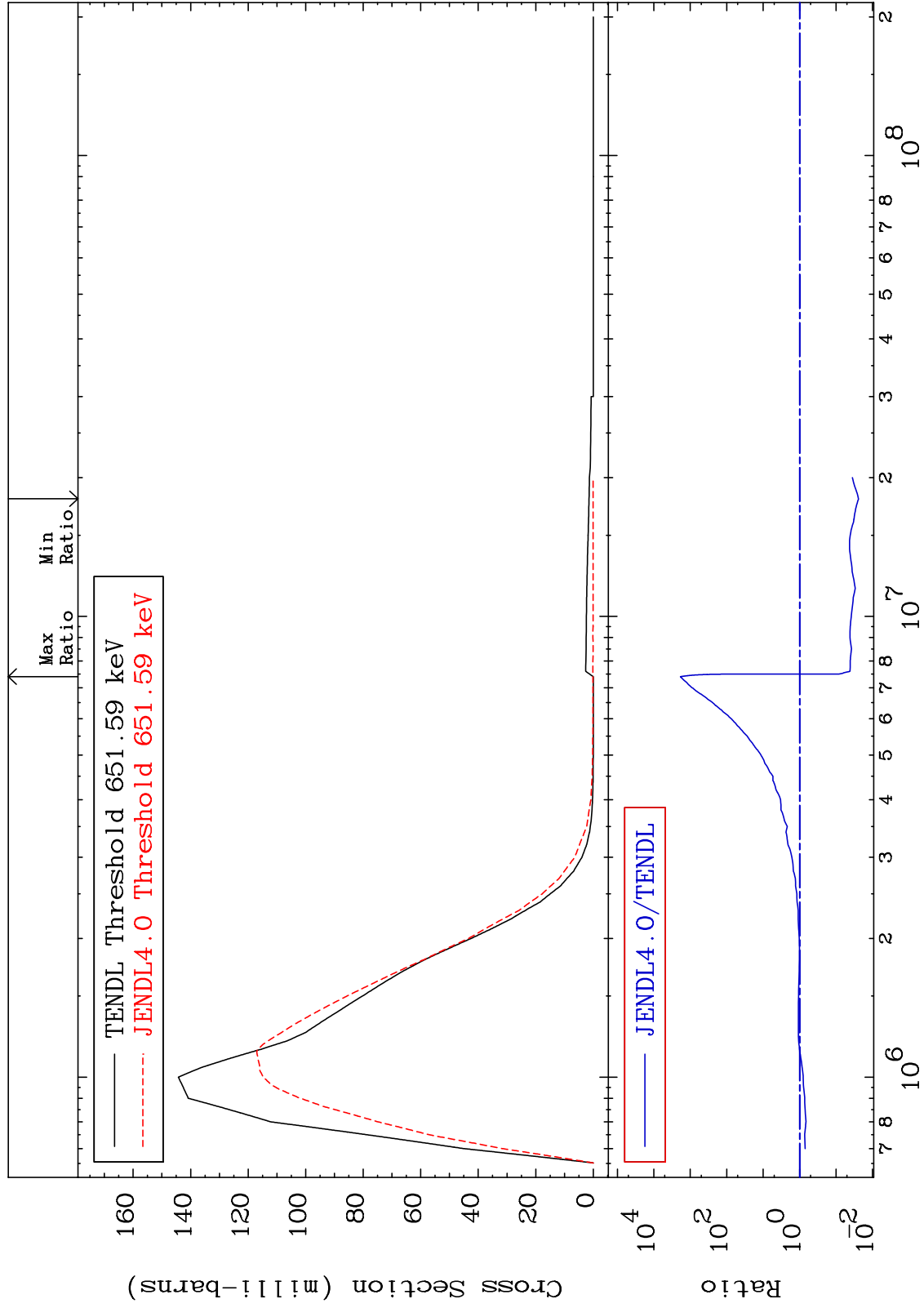
MAT 9440

MT= 56 (n,n') Level

94-Pu-240

-97.58 To 9999. %

Cross Section

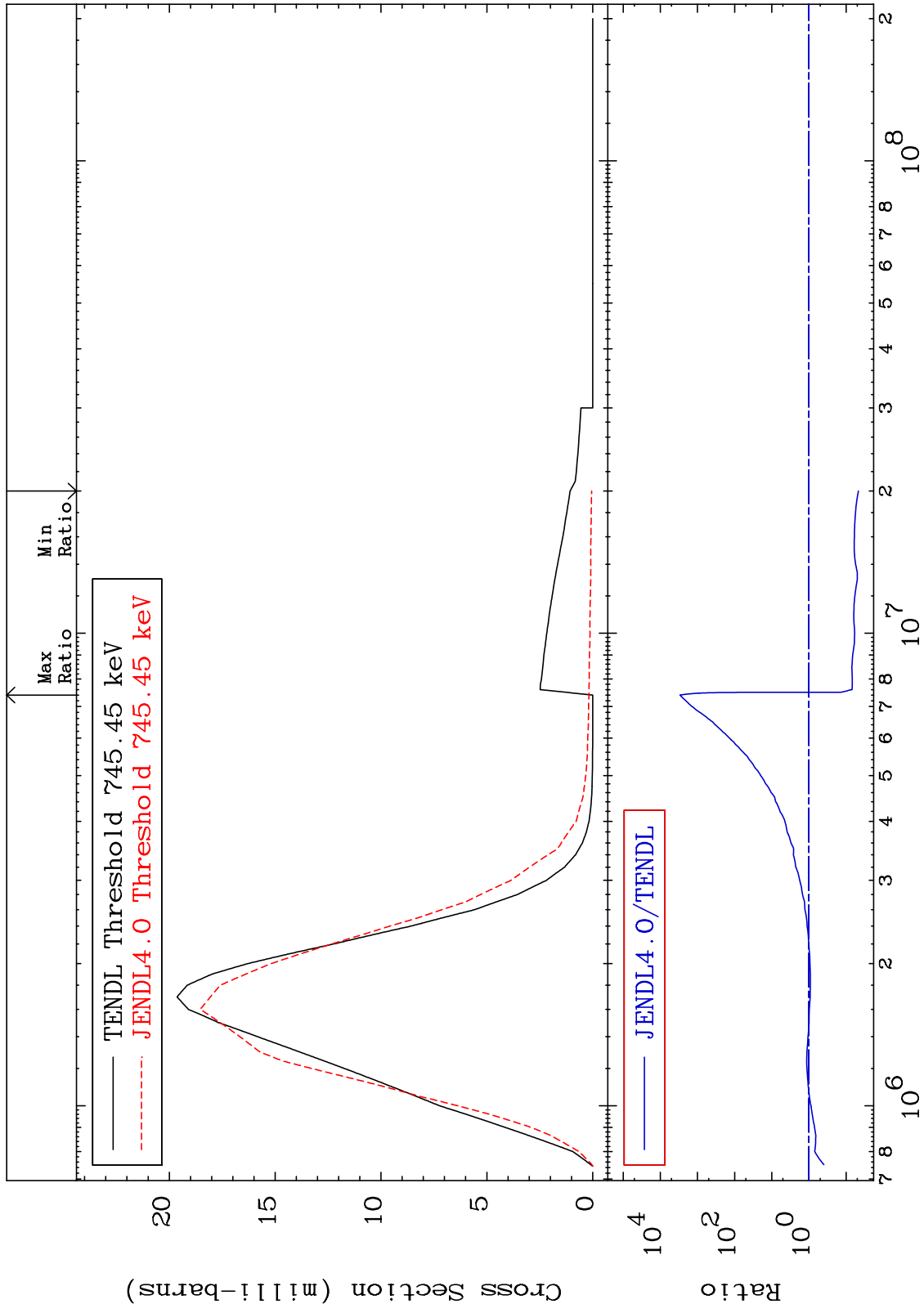


16

Incident Energy (eV)

94-Pu-240

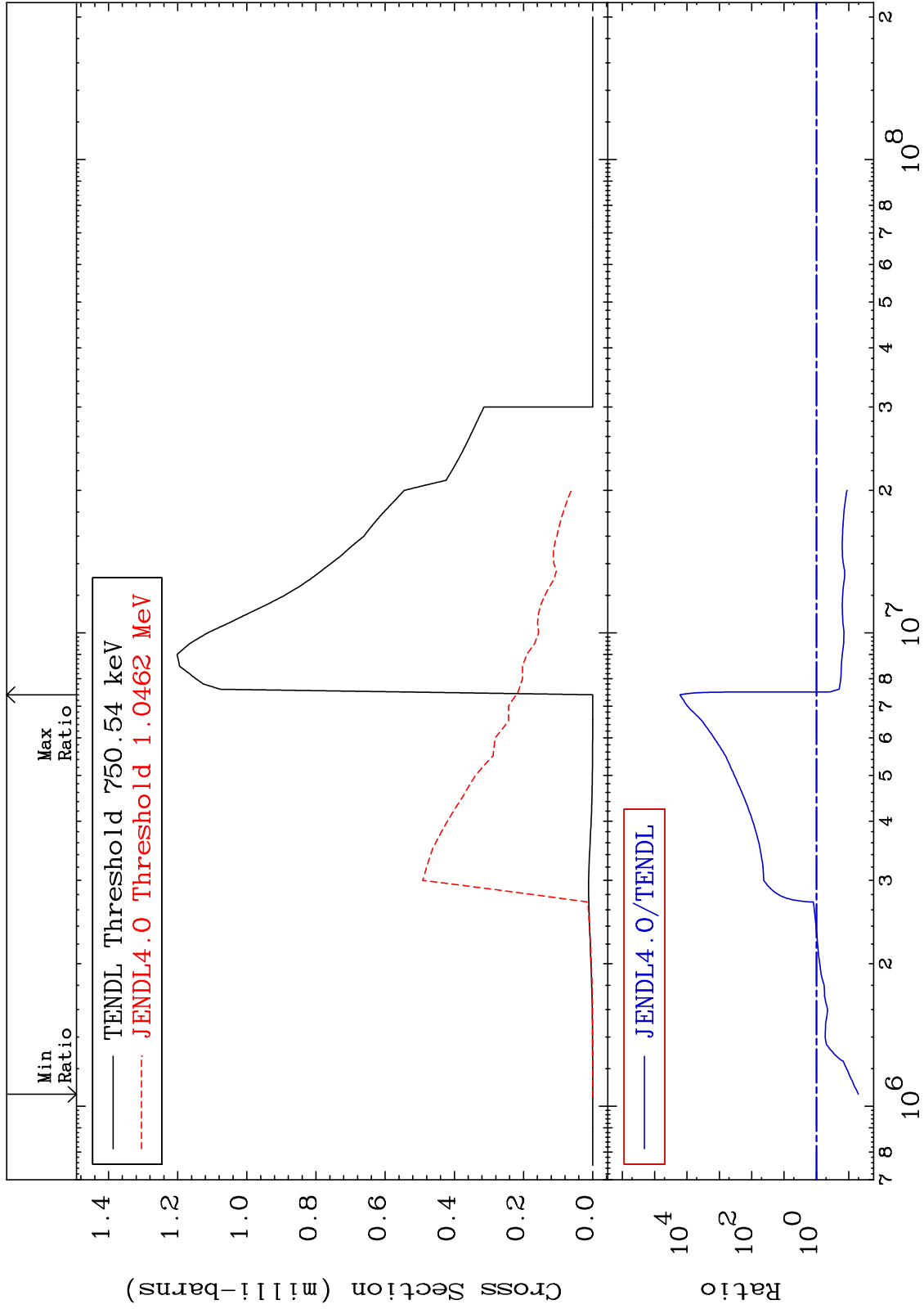
MAT 9440      MT= 57 (n,n') Level      94-Pu-240  
Cross Section      -95.35 To 9999. %



MAT 9440

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

94-Pu-240  
-94.96 To 9999. %

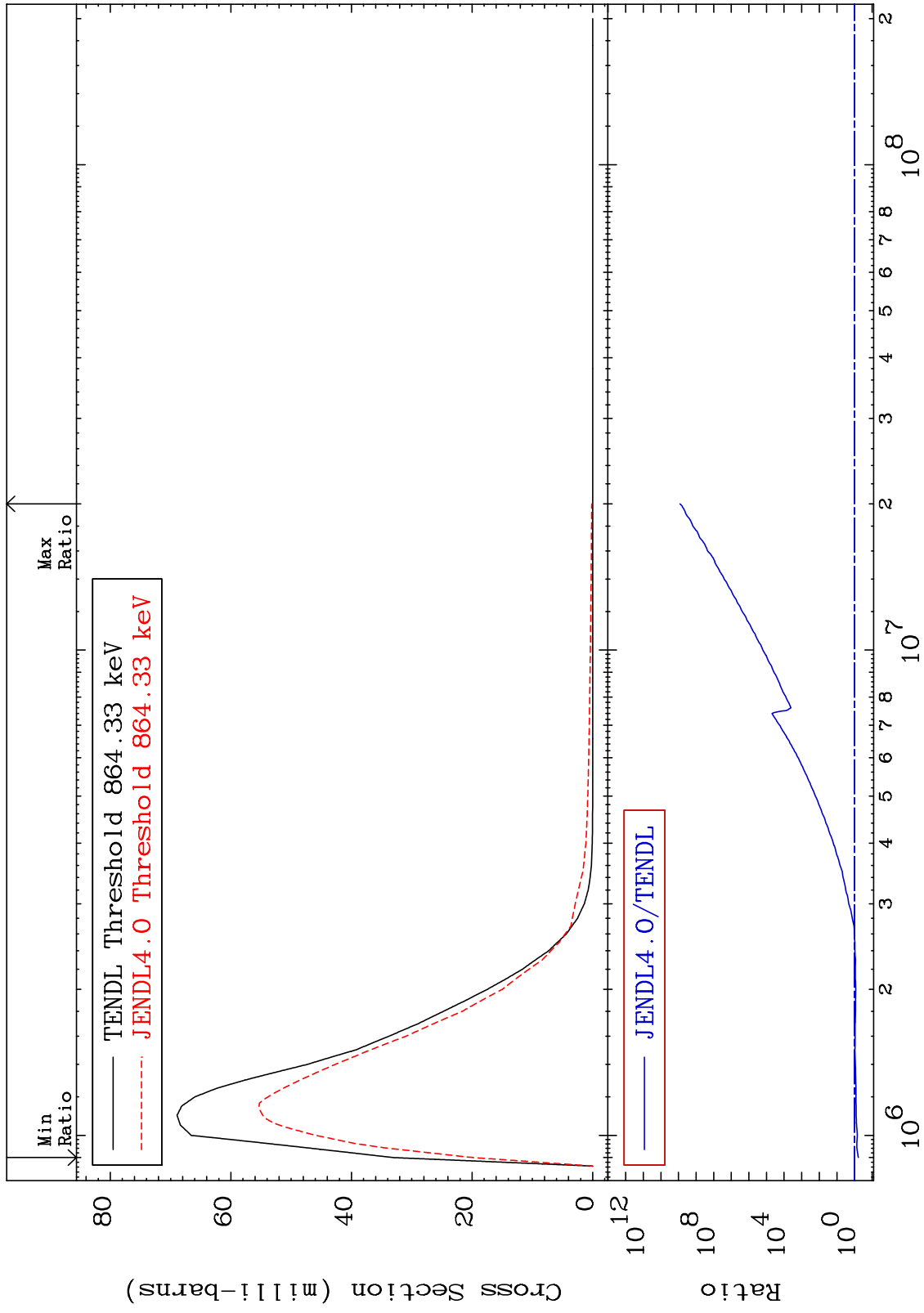


18

Incident Energy (eV)

94-Pu-240

MAT 9440      MT= 59 (n,n') Level      94-Pu-240  
Cross Section      -40.14 To 9999. %



19      Incident Energy (eV)      94-Pu-240

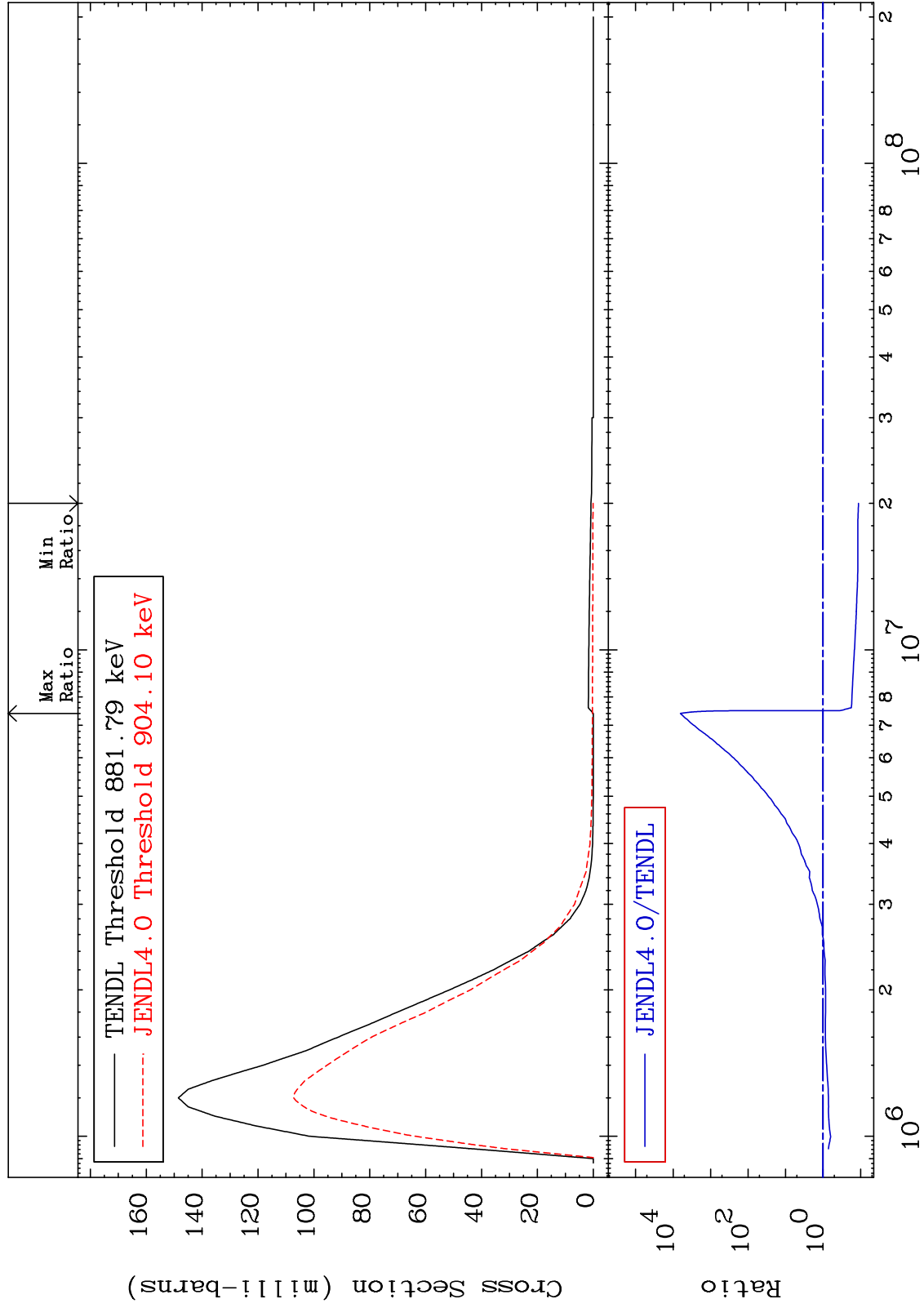
MAT 9440

MT= 60 (n,n') Level

94-Pu-240

-88.65 To 9999. %

Cross Section



20

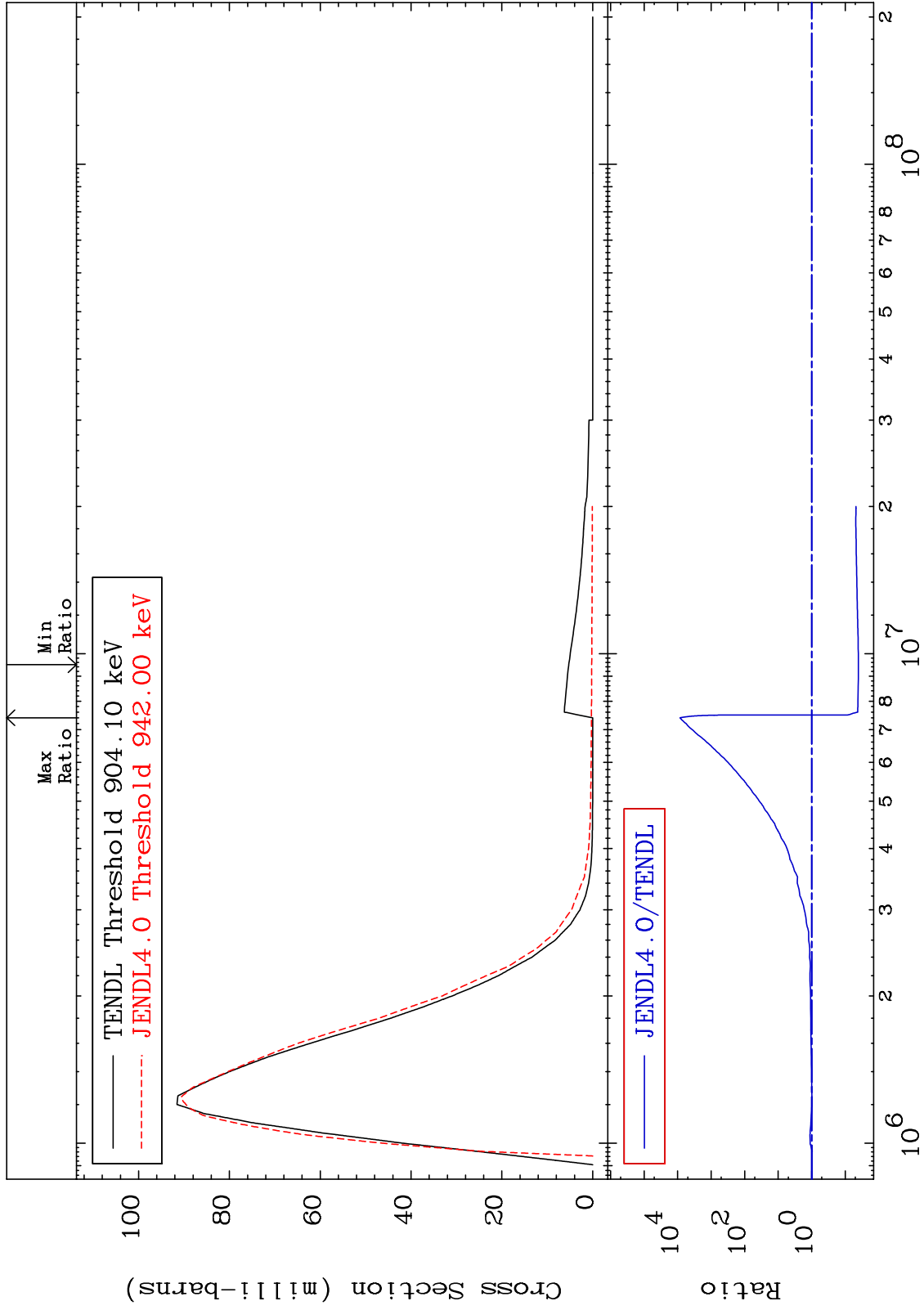
Incident Energy (eV)

94-Pu-240

MAT 9440

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

94-Pu-240  
-95.97 To 9999. %



21

Incident Energy (eV)

94-Pu-240

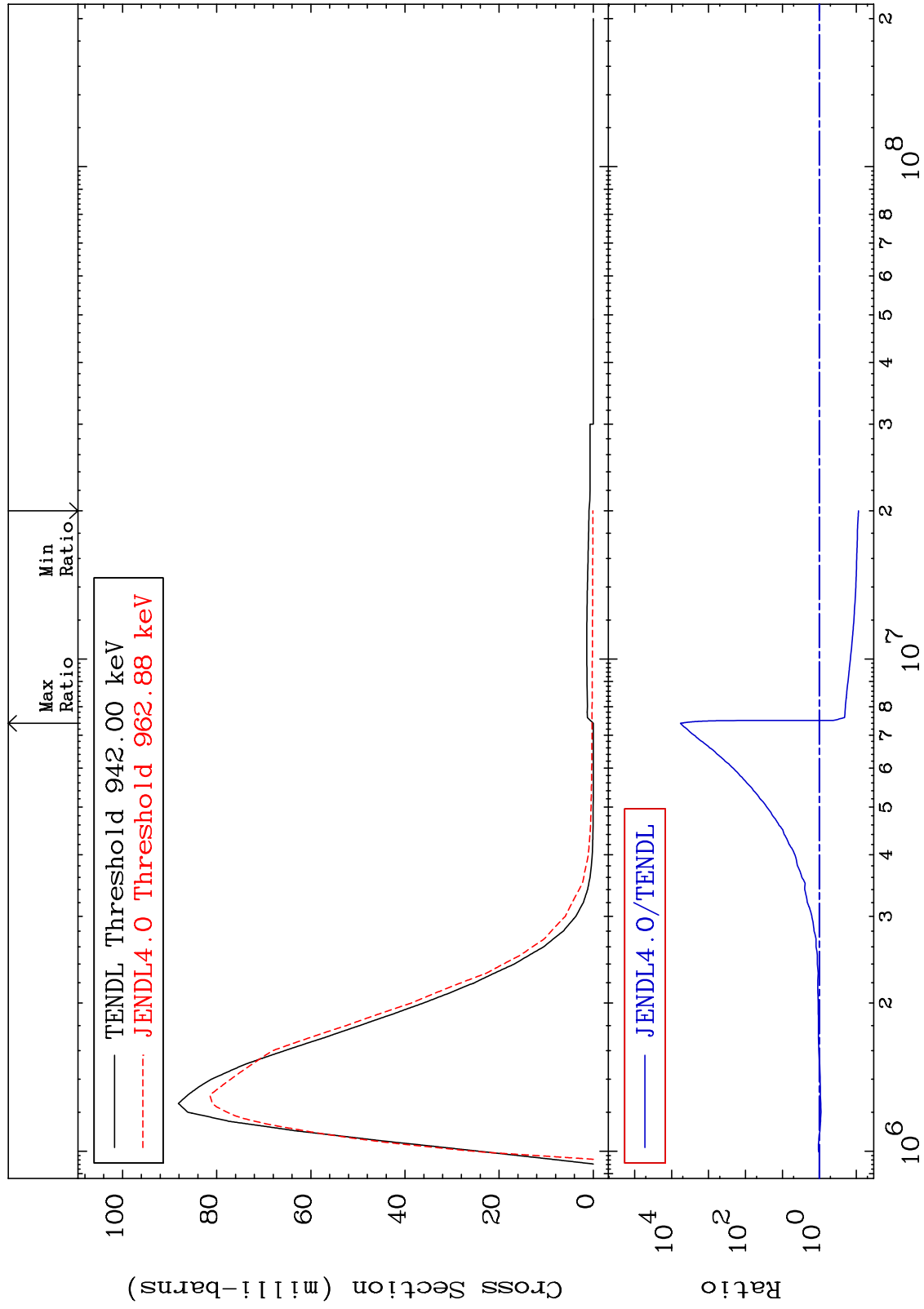
MAT 9440

MT= 62 (n,n') Level

94-Pu-240

-91.29 To 9999. %

Cross Section

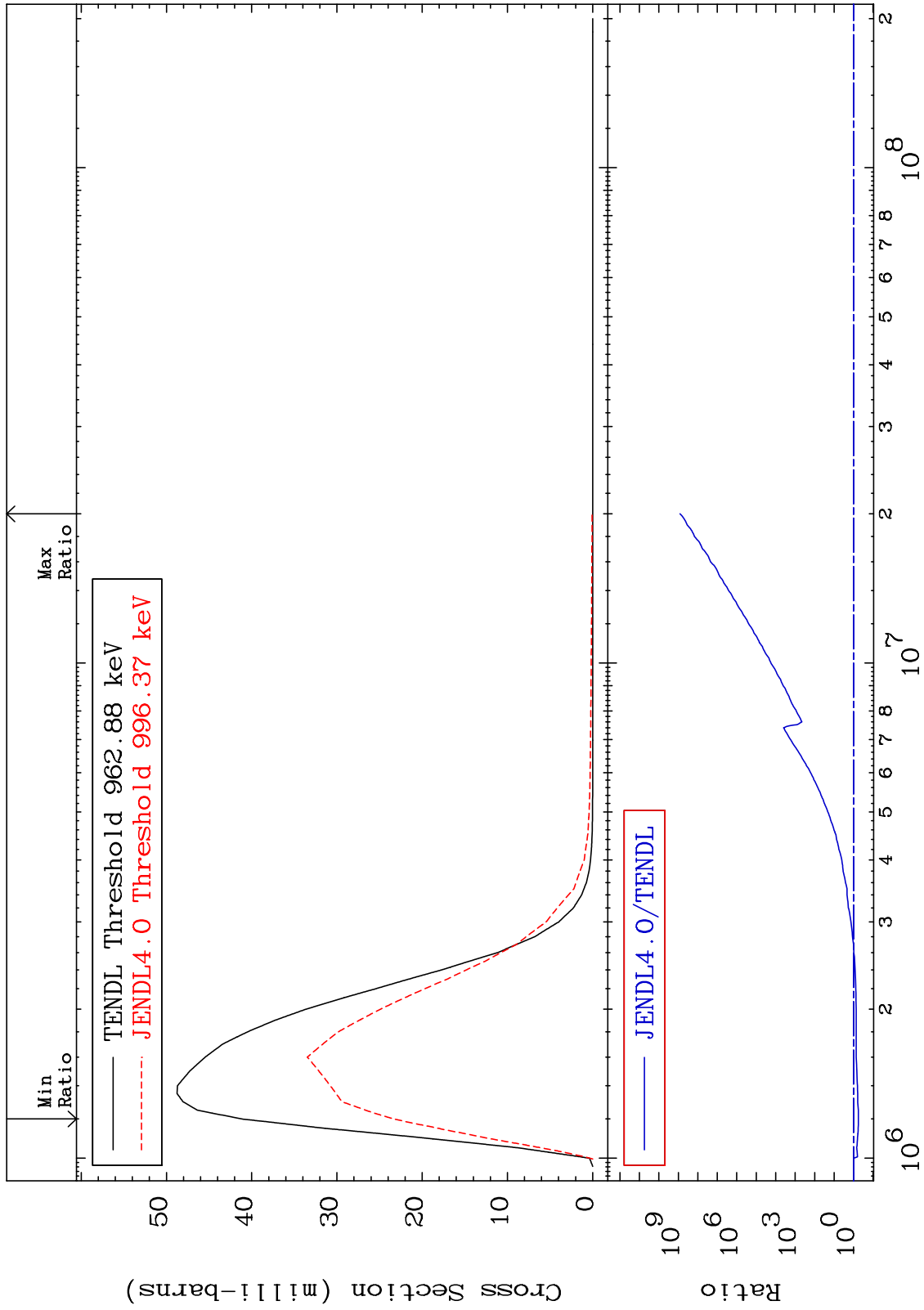


Incident Energy (eV)

94-Pu-240

22

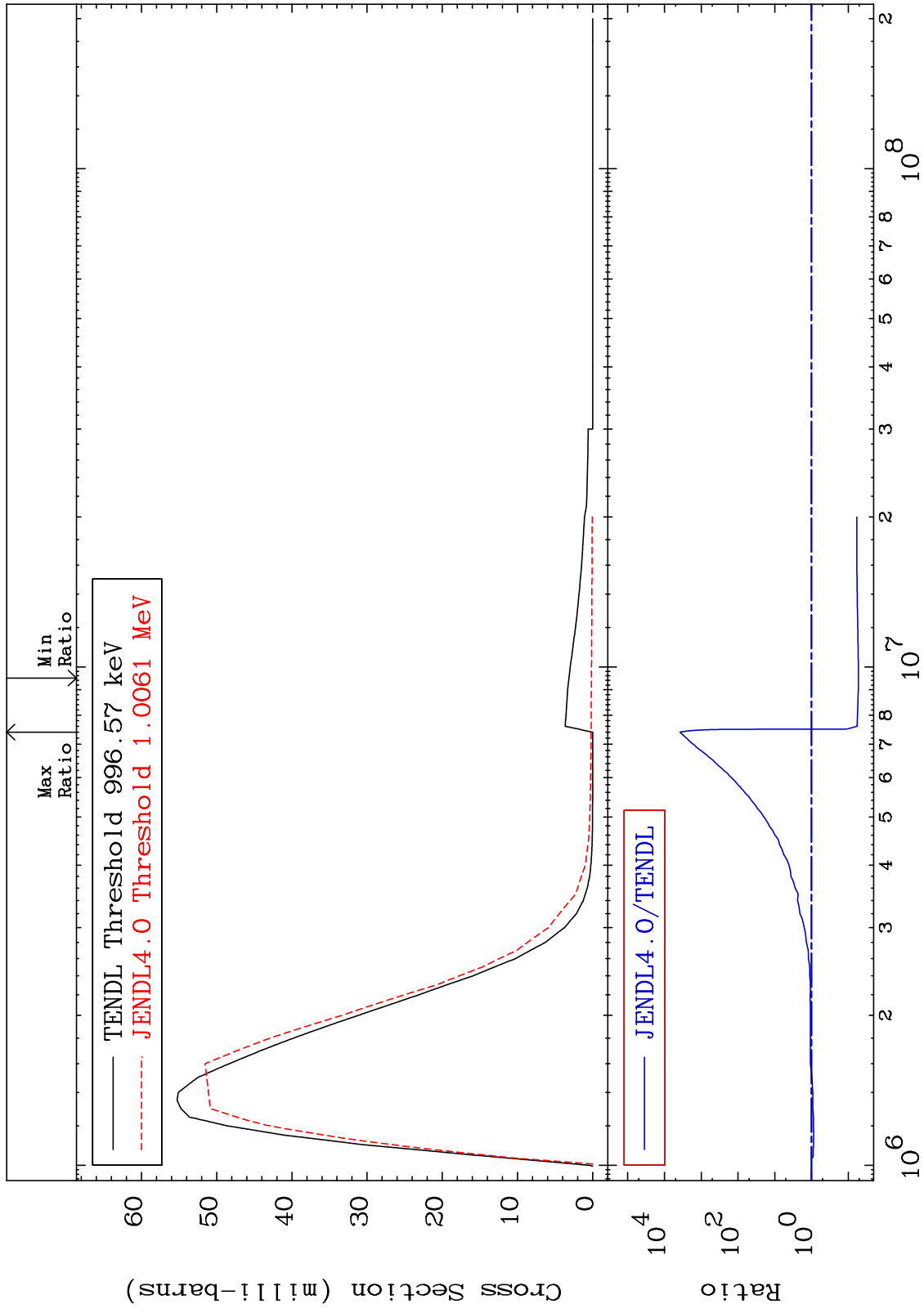
MAT 9440 MT= 63 (n,n') Level Cross Section 94-Pu-240  
-43.53 To 9999. %



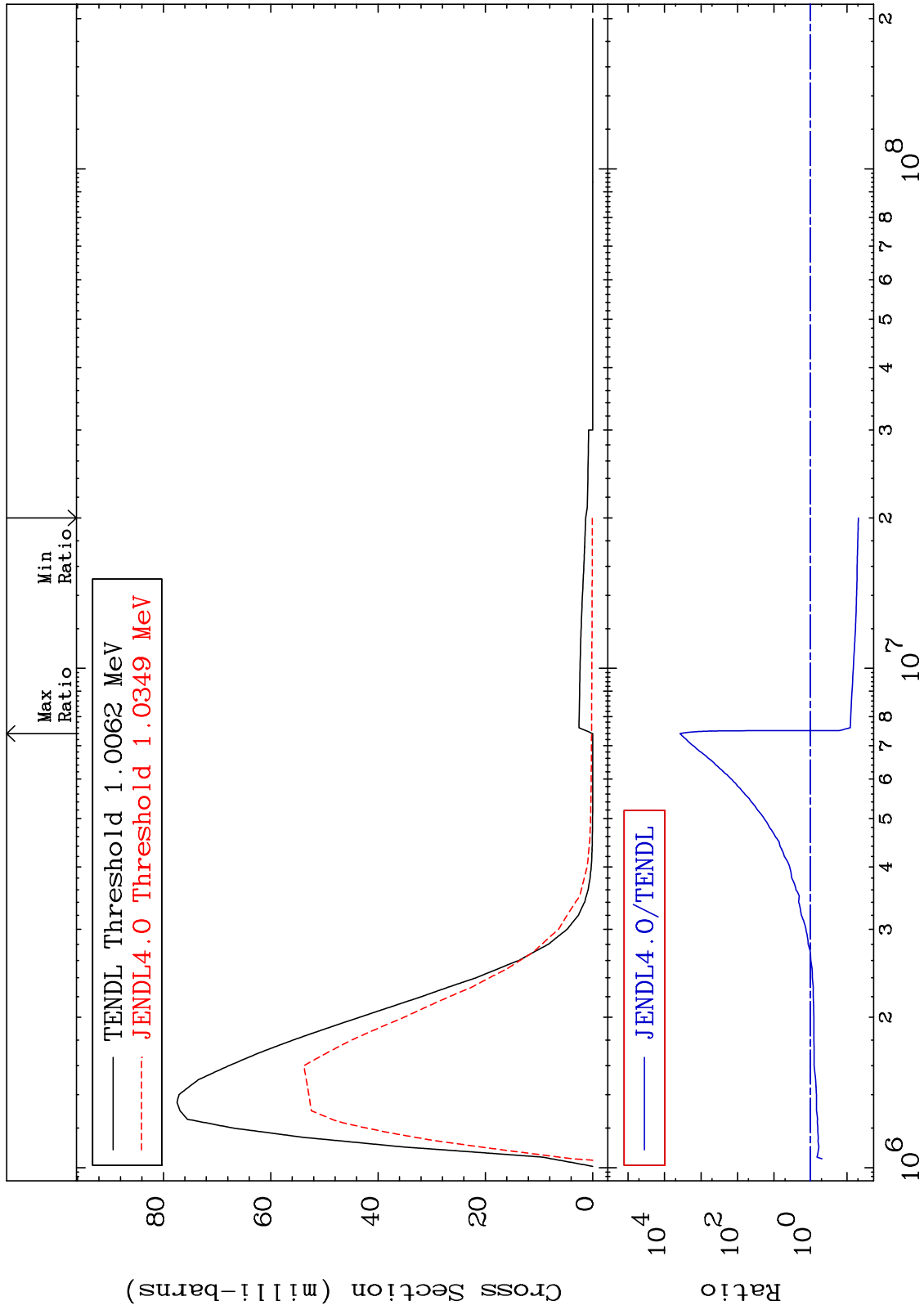
23 Incident Energy (eV) 94-Pu-240



MAT 9440      MT= 64 (n,n') Level      94-Pu-240  
 Cross Section      -94.70 To 9999. %

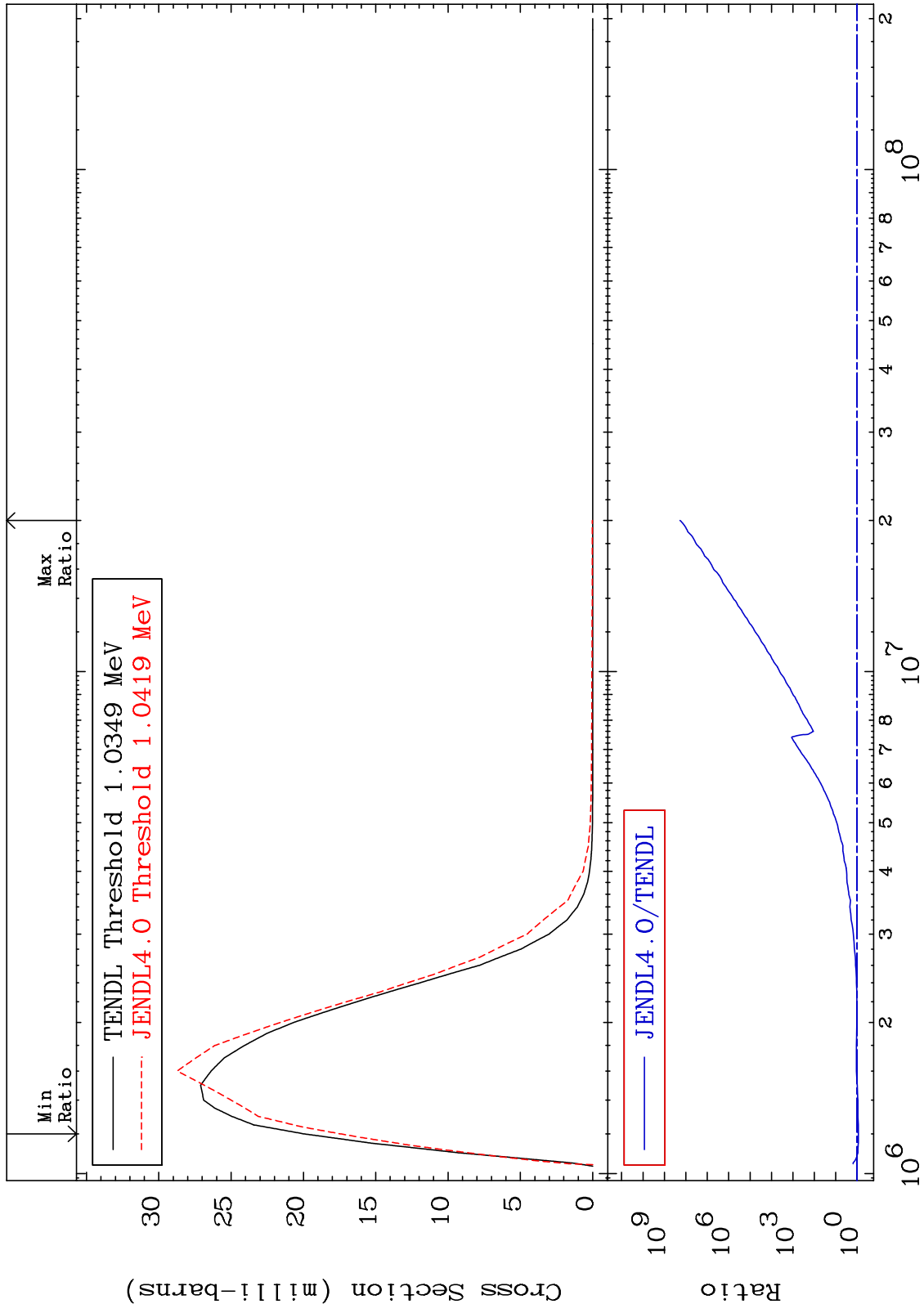


MAT 9440 MT= 65 (n,n') Level Cross Section 94-Pu-240  
 -95.14 To 9999. %



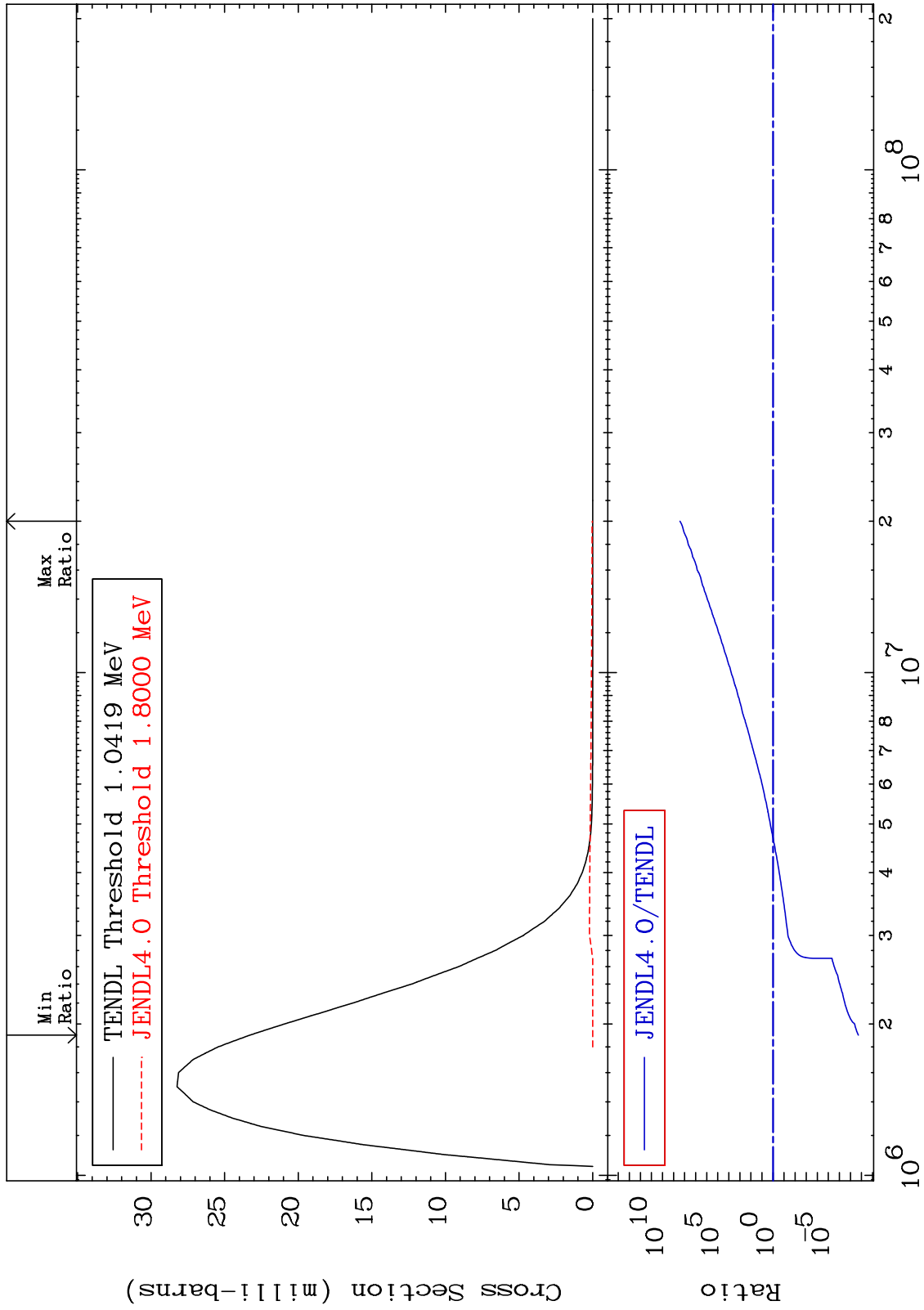
25 Incident Energy (eV) 94-Pu-240

MAT 9440      MT= 66 (n,n') Level Cross Section      94-Pu-240  
-12.67 To 9999. %

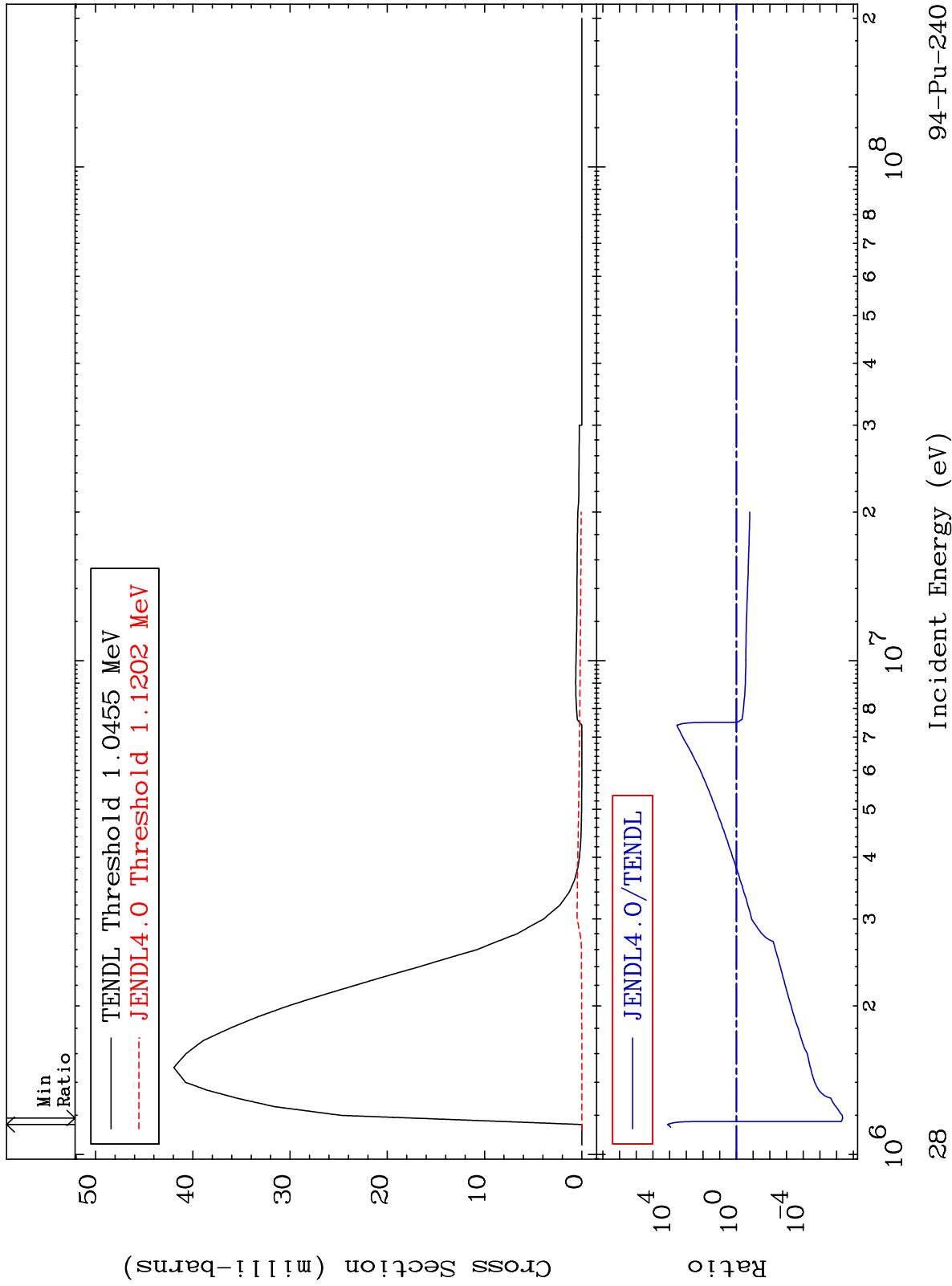


26      Incident Energy (eV)      94-Pu-240

MAT 9440      MT= 67 (n, n') Level  
Cross Section      -100.0 To 9999. %      94-Pu-240

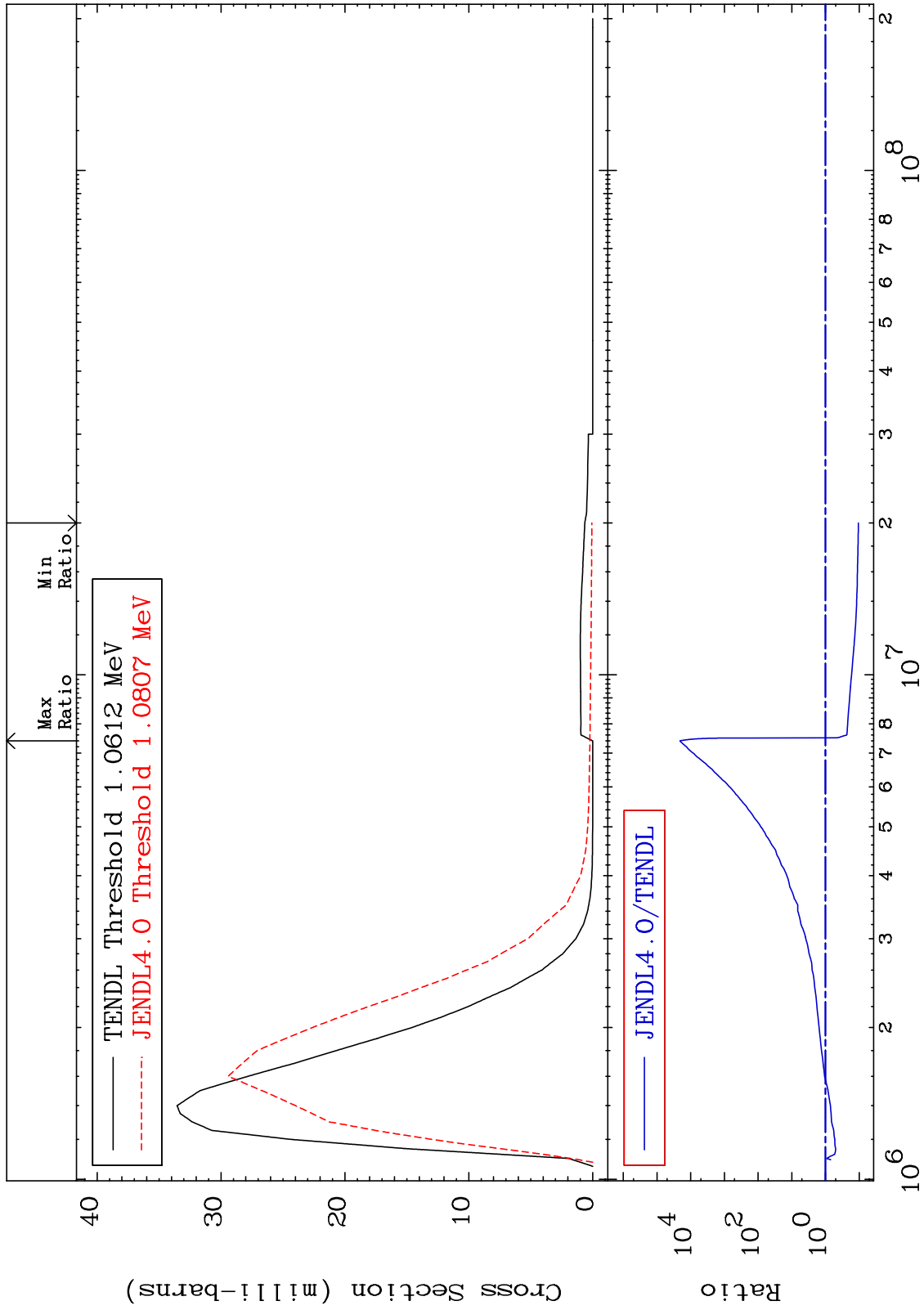


MAT 9440 MT= 68 (n,n') Level Cross Section -100.0 To 9999. % 94-Pu-240



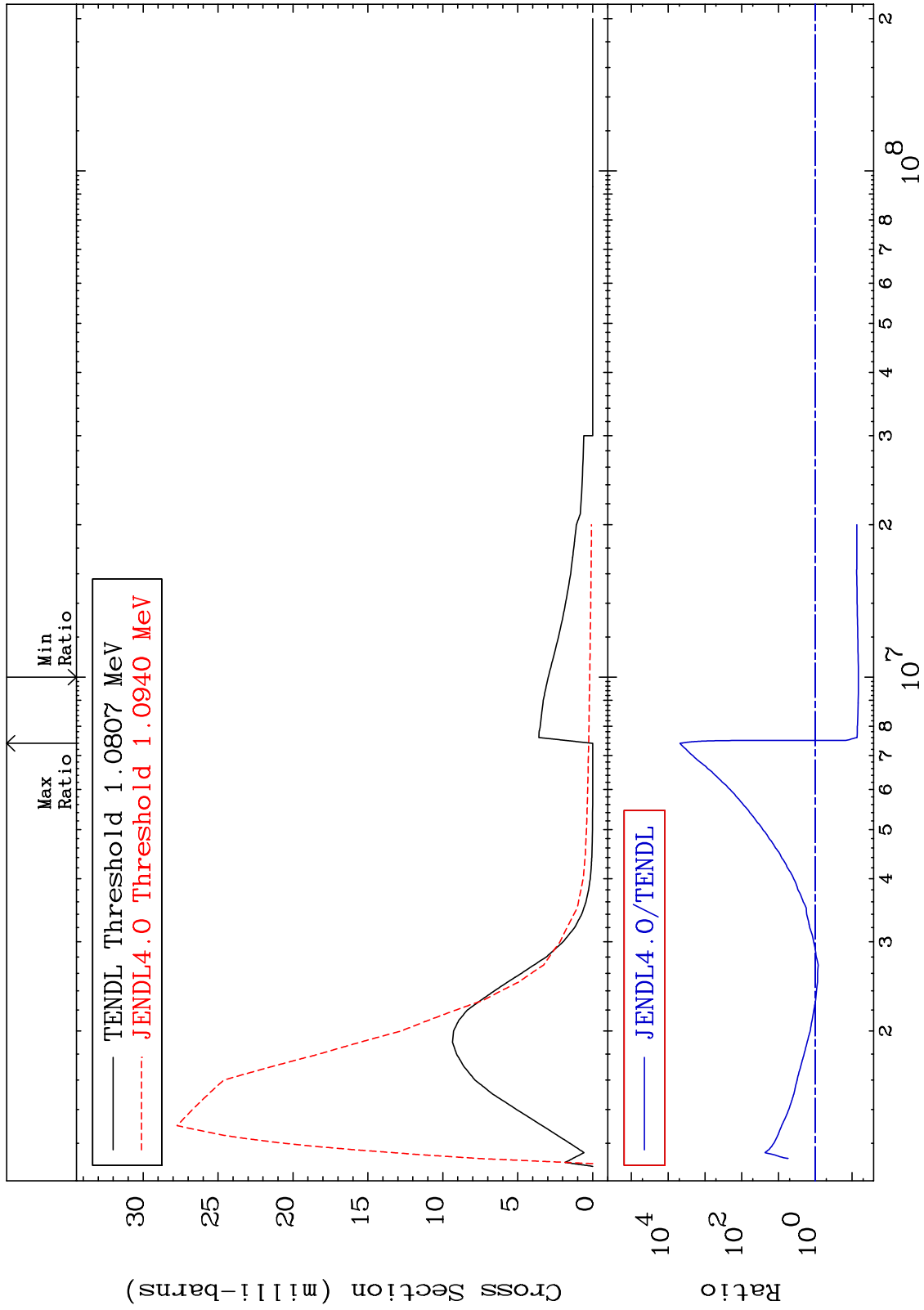
28 Incident Energy (eV) 94-Pu-240

MAT 9440      MT= 69 (n,n') Level      94-Pu-240  
Cross Section      -89.47 To 9999. %

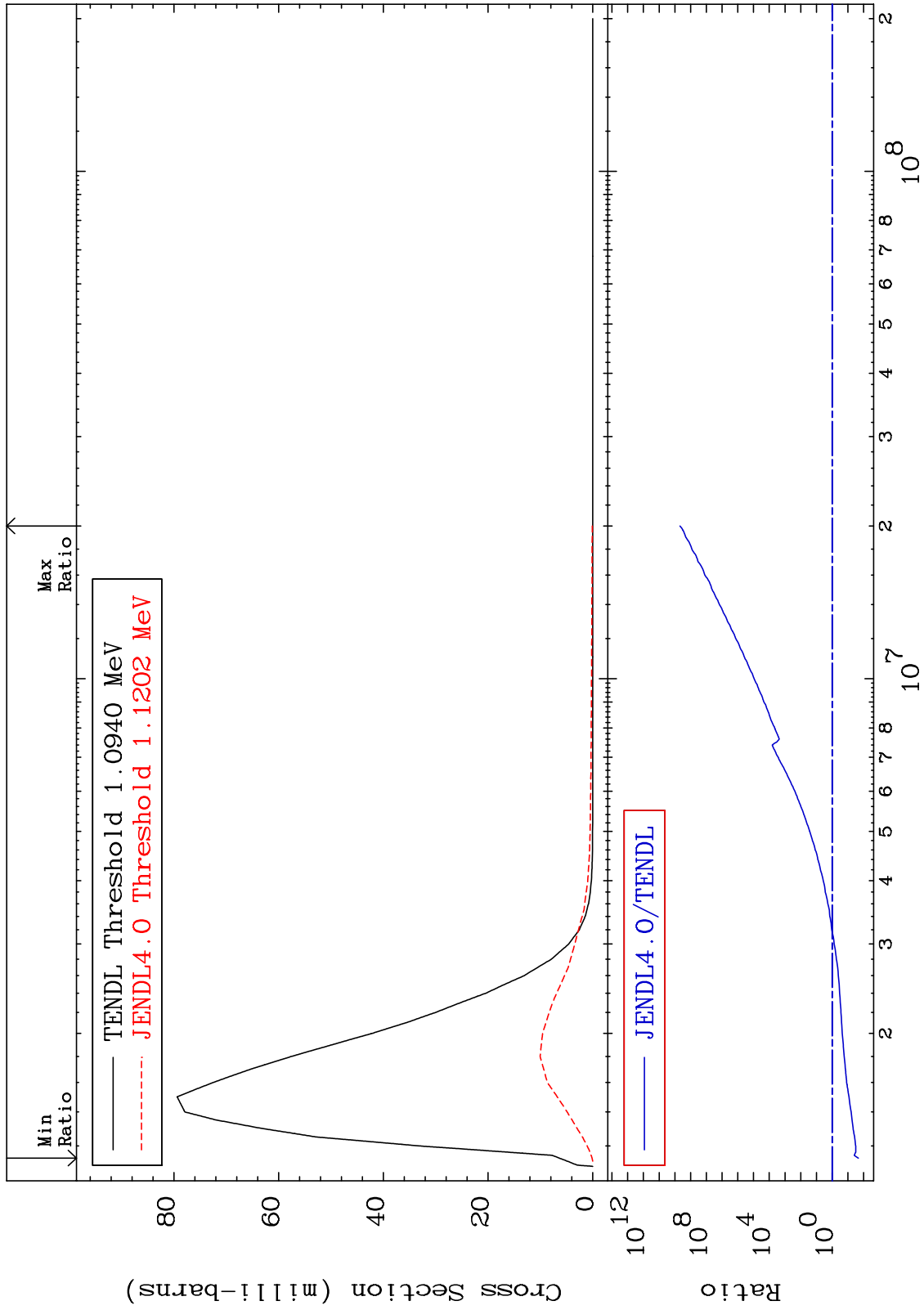


29      Incident Energy (eV)      94-Pu-240

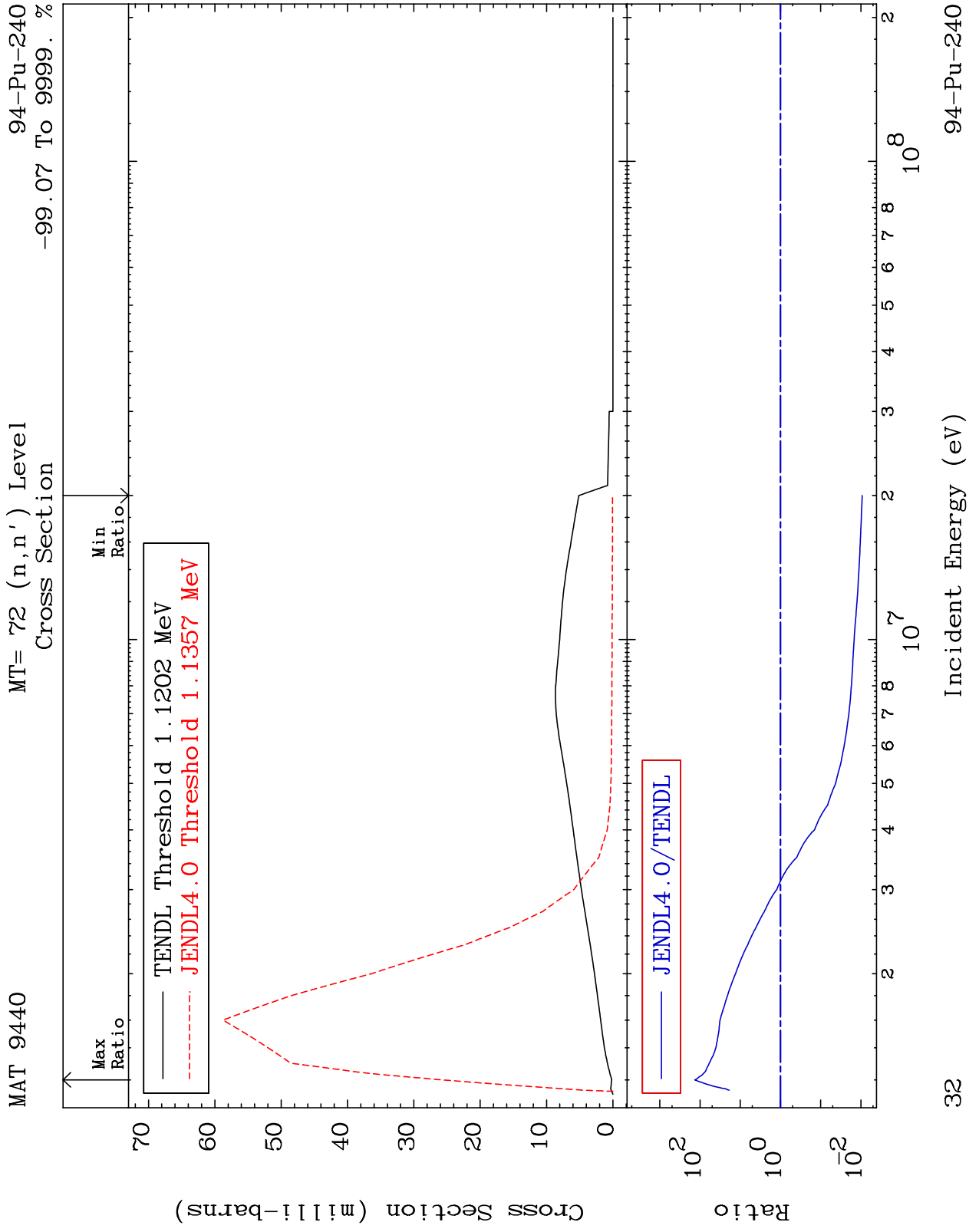
MAT 9440      MT= 70 (n,n') Level Cross Section      94-Pu-240  
 -93.28 To 9999. %



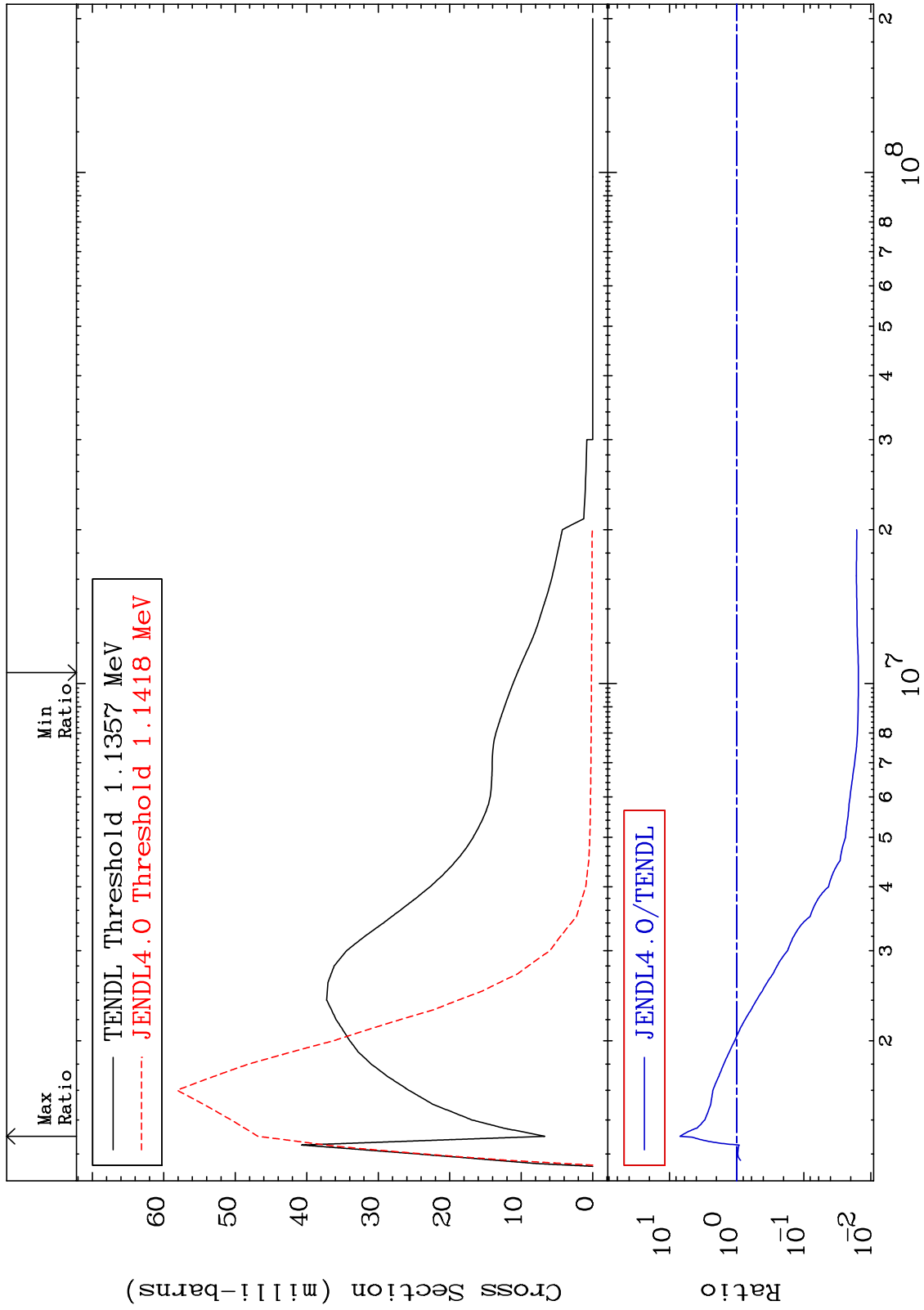
MAT 9440      MT= 71 (n,n') Level      94-Pu-240  
 Cross Section      -97.85 To 9999. %





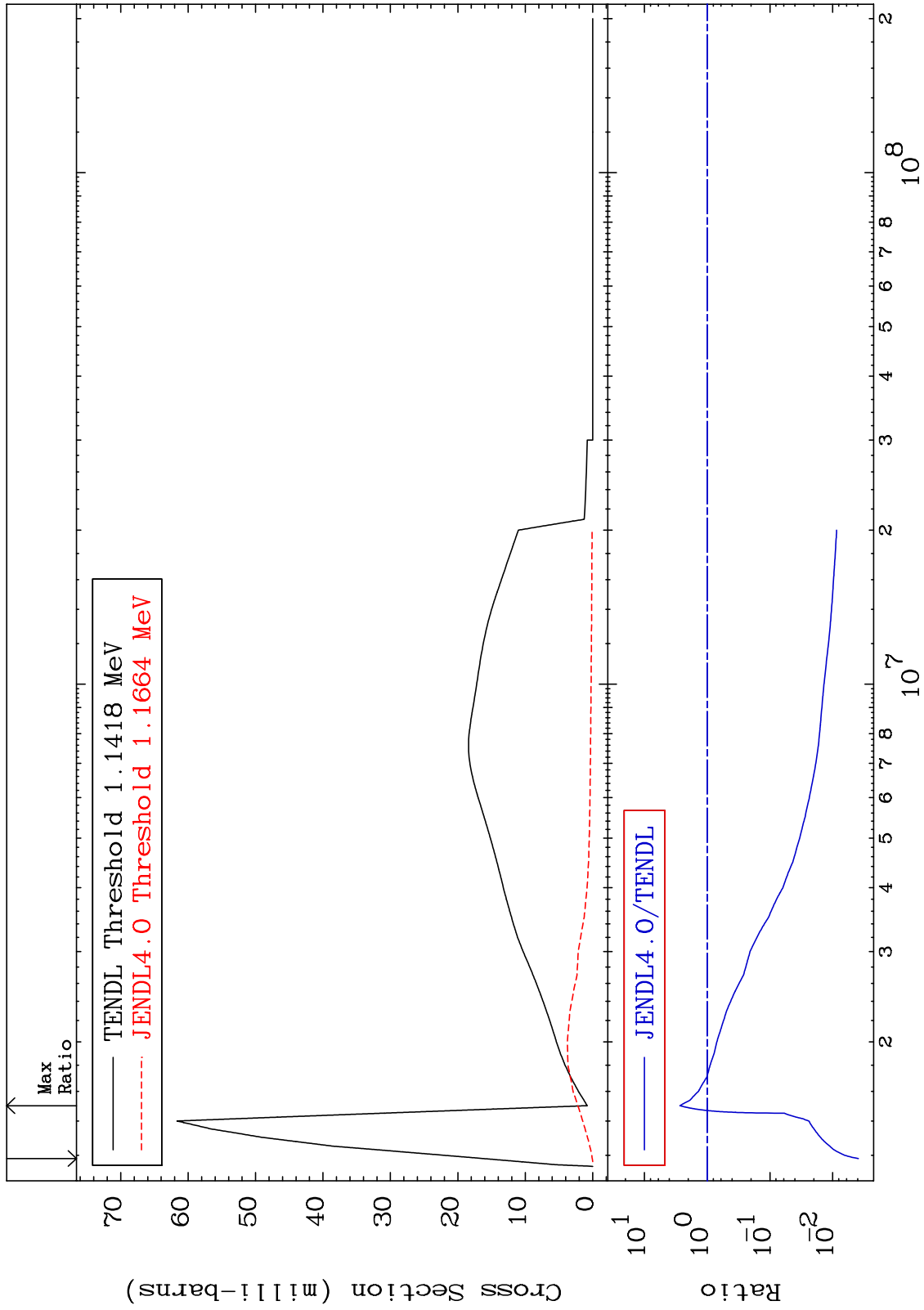


MAT 9440 MT= 73 (n,n') Level Cross Section 94-Pu-240  
 -98.47 To 598.2 %

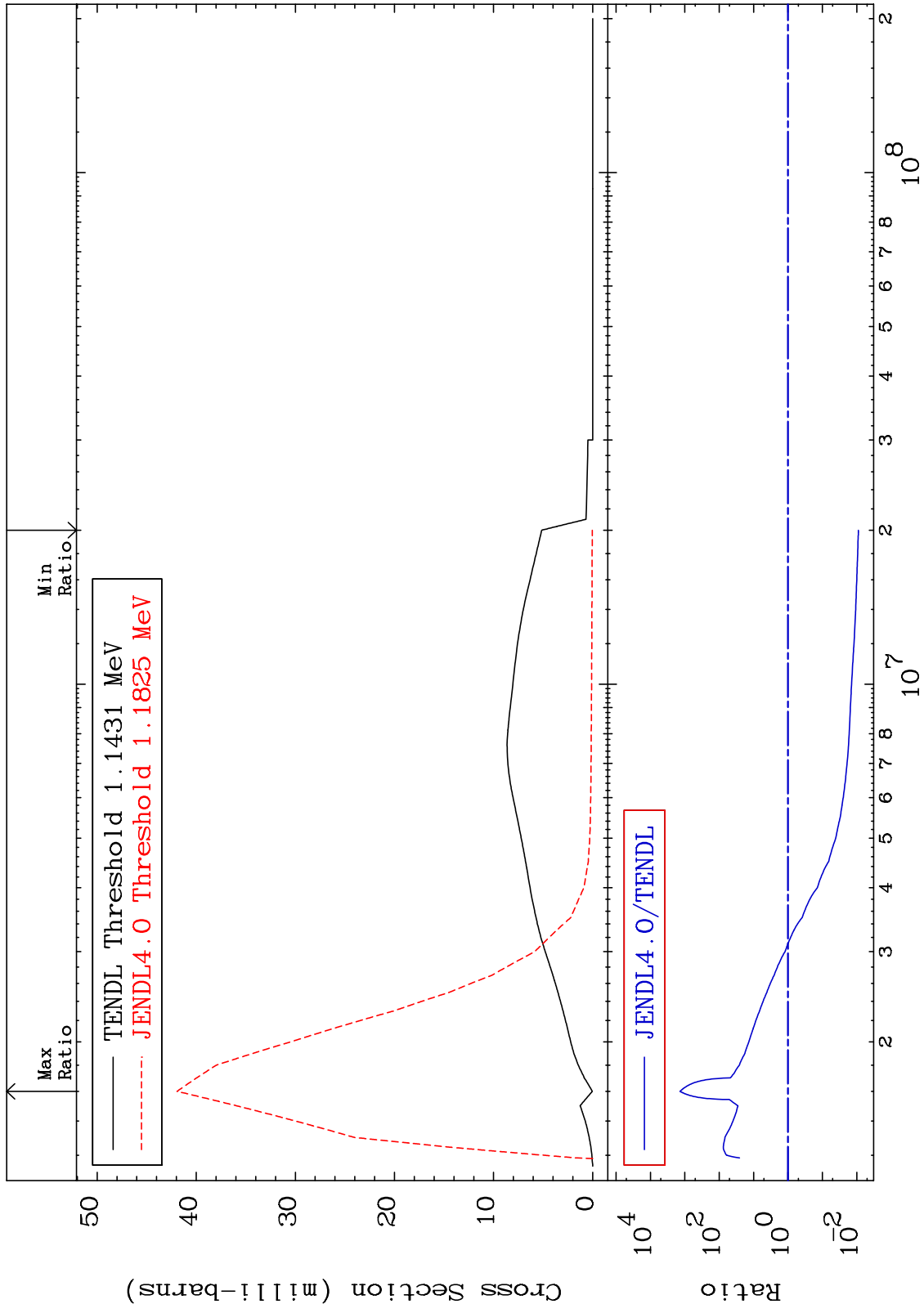


33 94-Pu-240

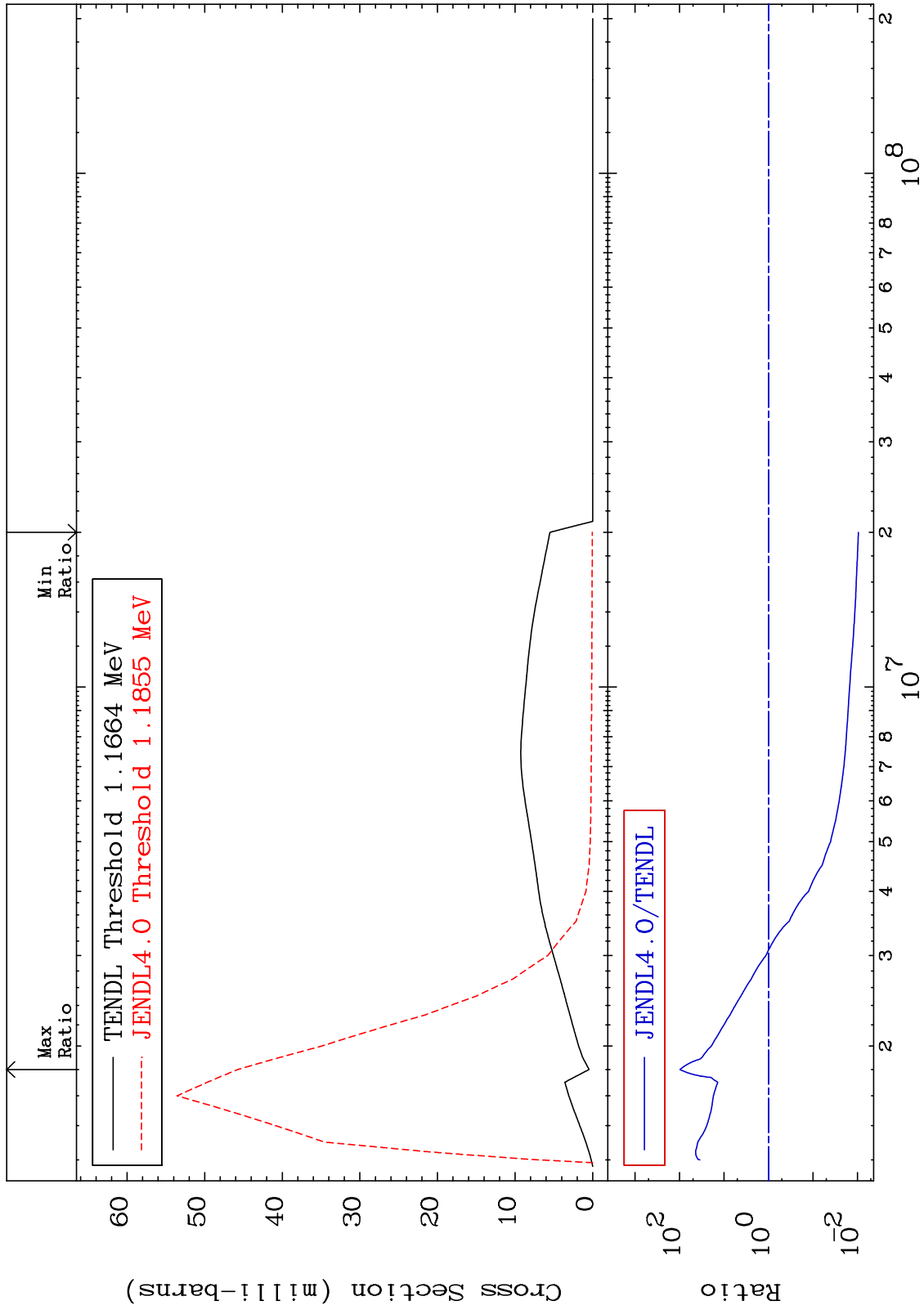
MAT 9440 MT= 74 (n,n') Level  
 Cross Section 94-Pu-240  
 -99.61 To 170.2 %



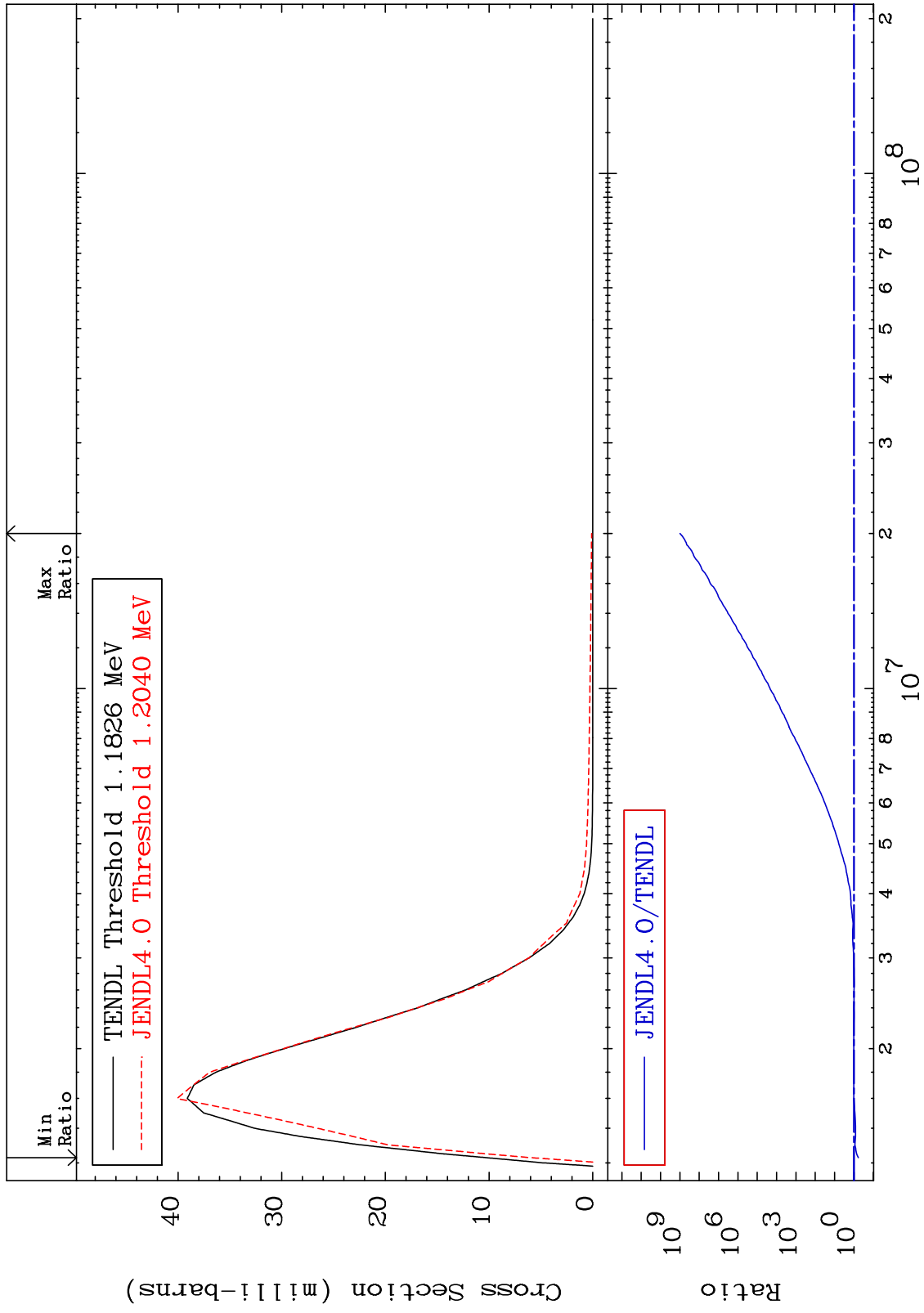
MAT 9440 MT= 75 (n, n') Level  
 Cross Section 94-Pu-240  
 -99.10 To 9999. %



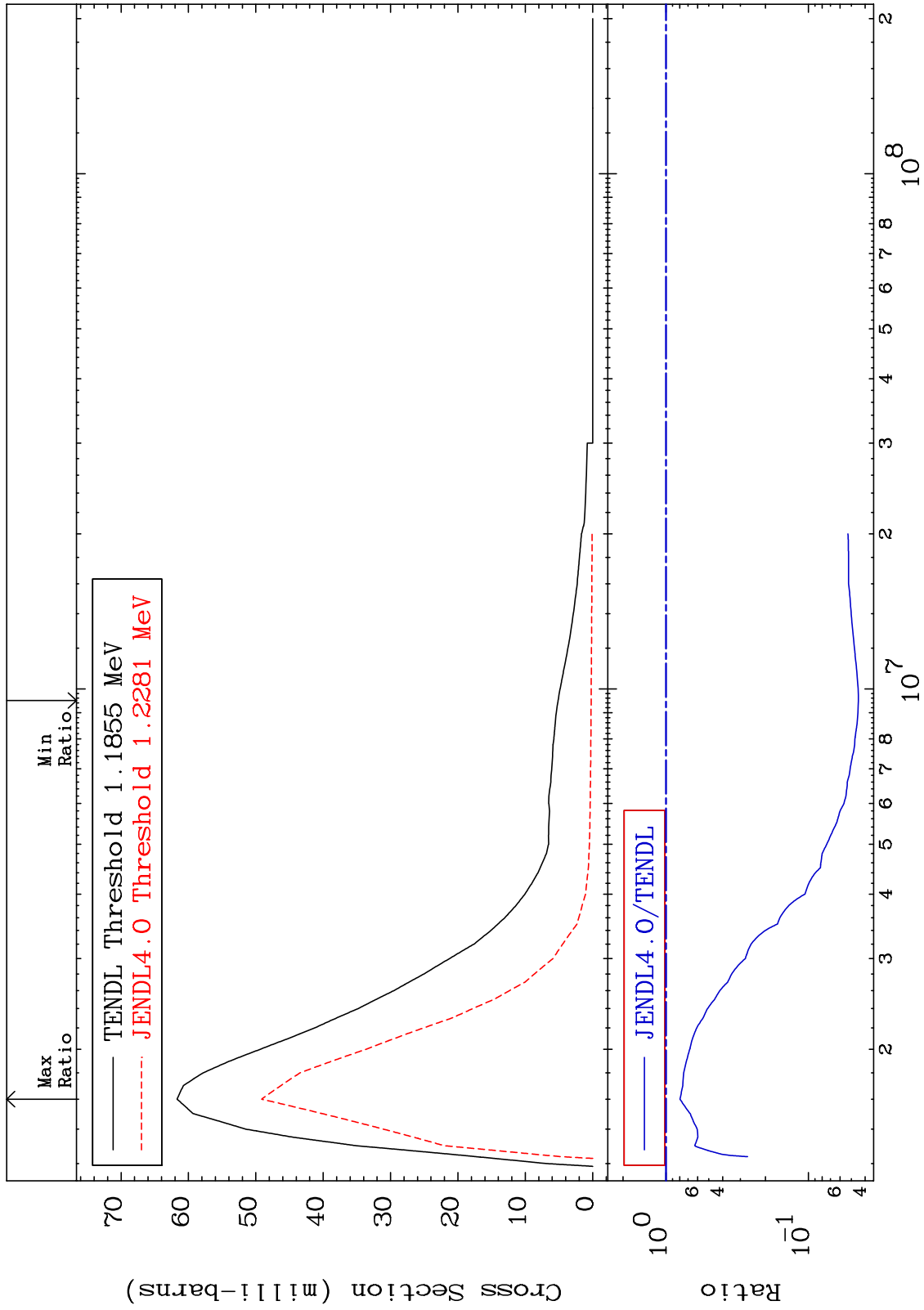
MAT 9440 MT= 76 (n,n') Level Cross Section 94-Pu-240  
 -99.05 To 9662. %



MAT 9440      MT= 77 (n,n') Level Cross Section      94-Pu-240  
 -41.60 To 9999. %

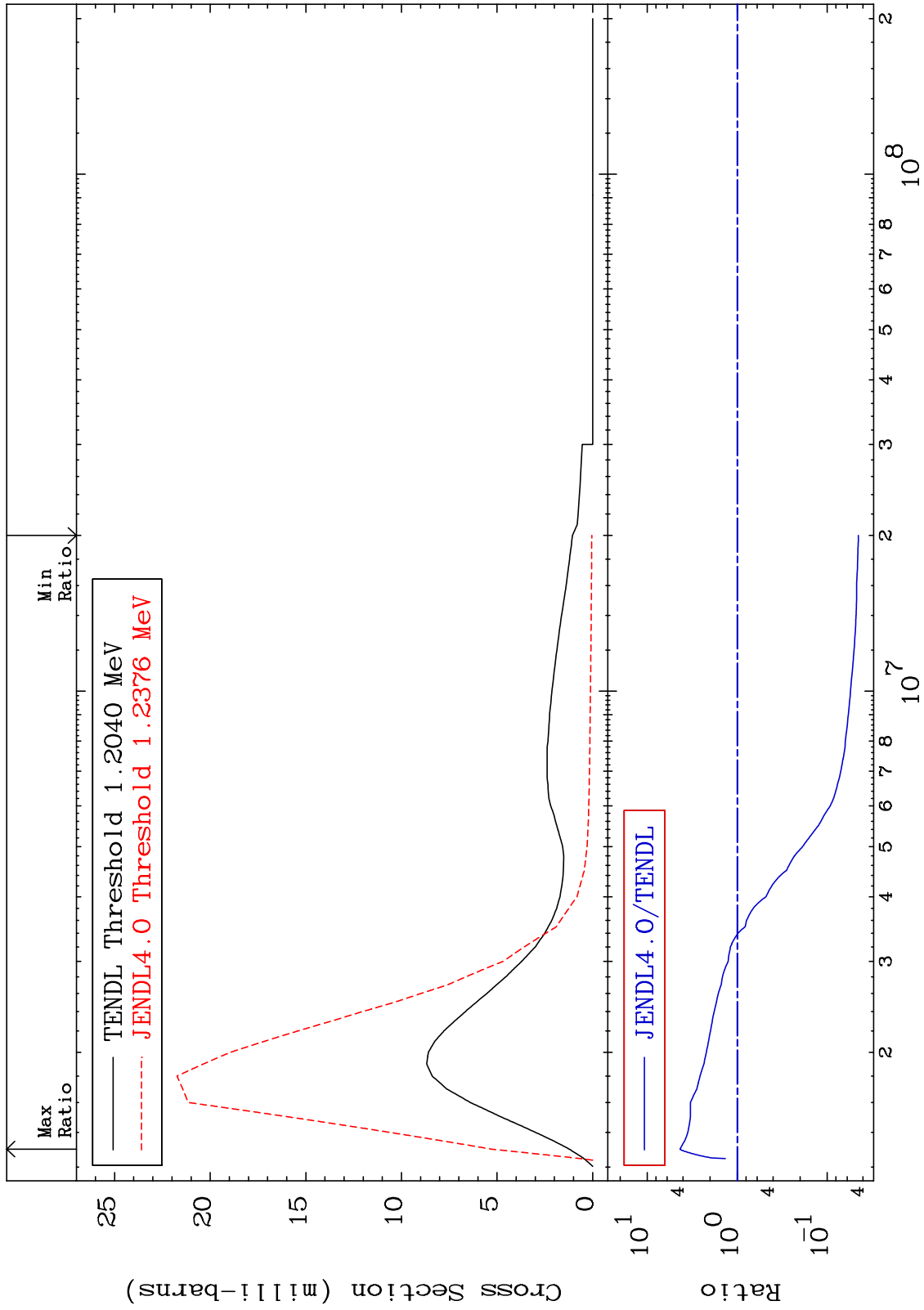


MAT 9440 MT= 78 (n,n') Level  
 Cross Section 94-Pu-240  
 -95.54 To -20.33%



Incident Energy (eV) 94-Pu-240

MAT 9440 MT= 79 (n,n') Level Cross Section 94-Pu-240  
 -95.50 To 332.1 %

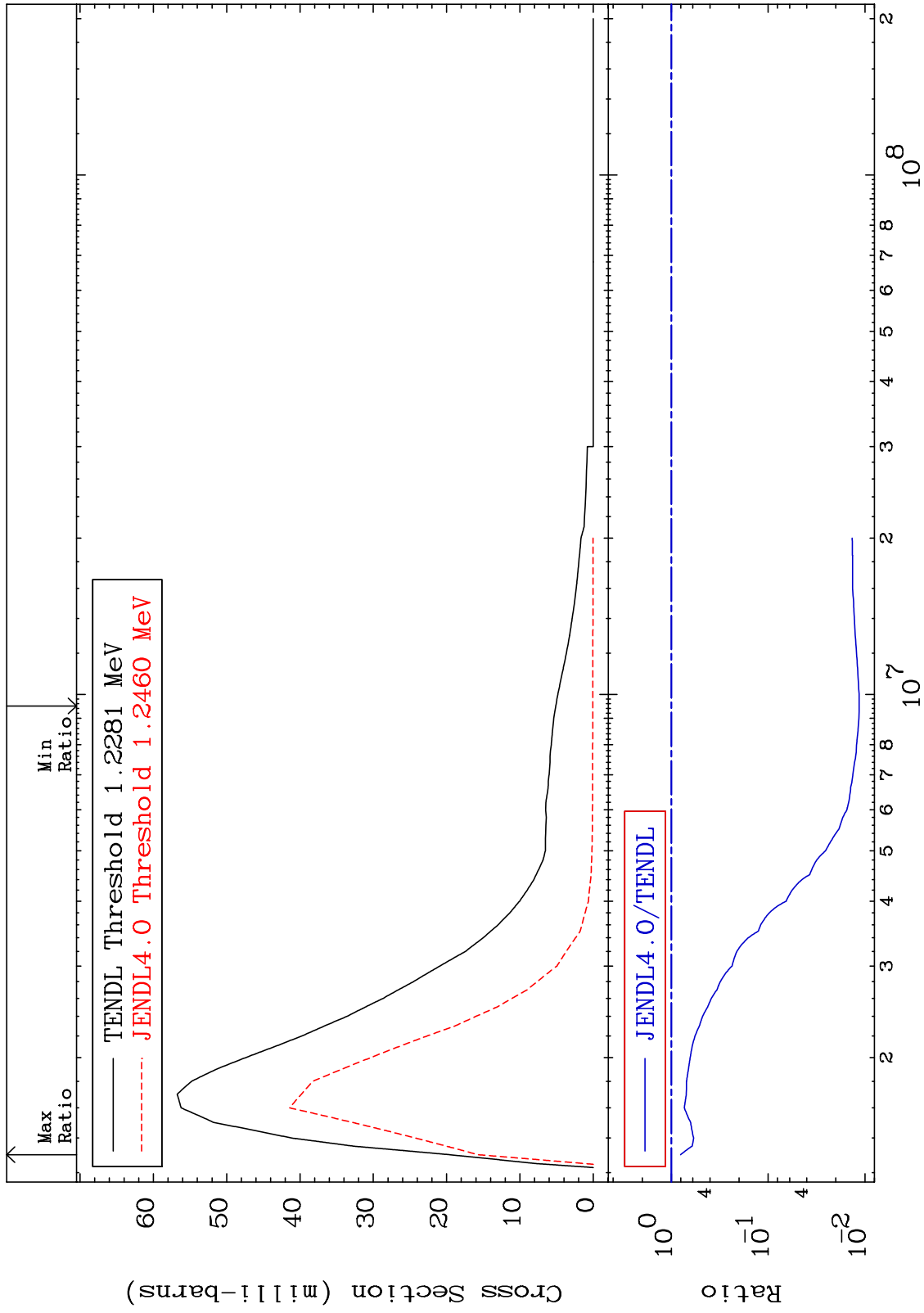




MAT 9440

MT= 80 (n,n') Level  
Cross Section

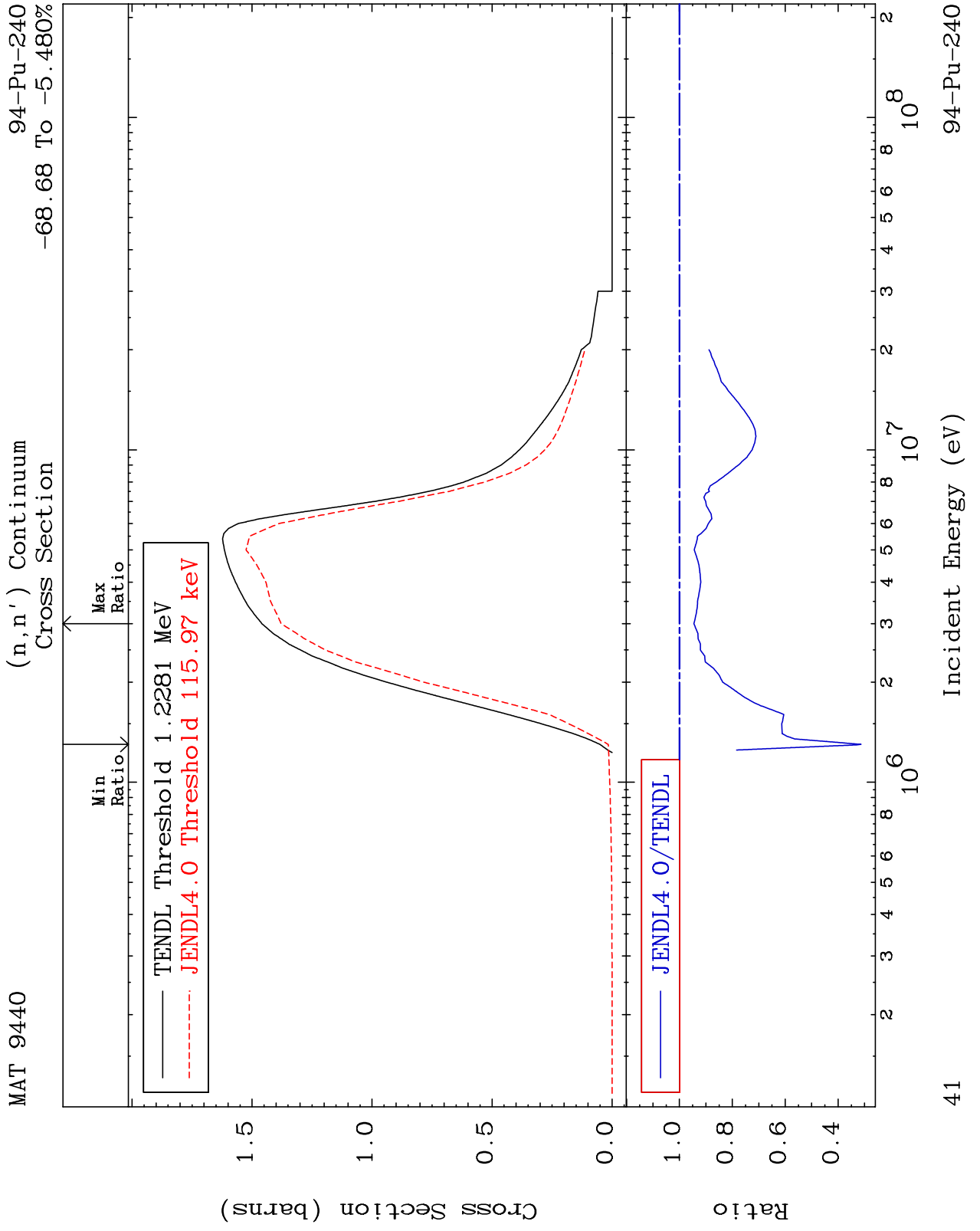
94-Pu-240  
-98.85 To -19.67%



40

Incident Energy (eV)

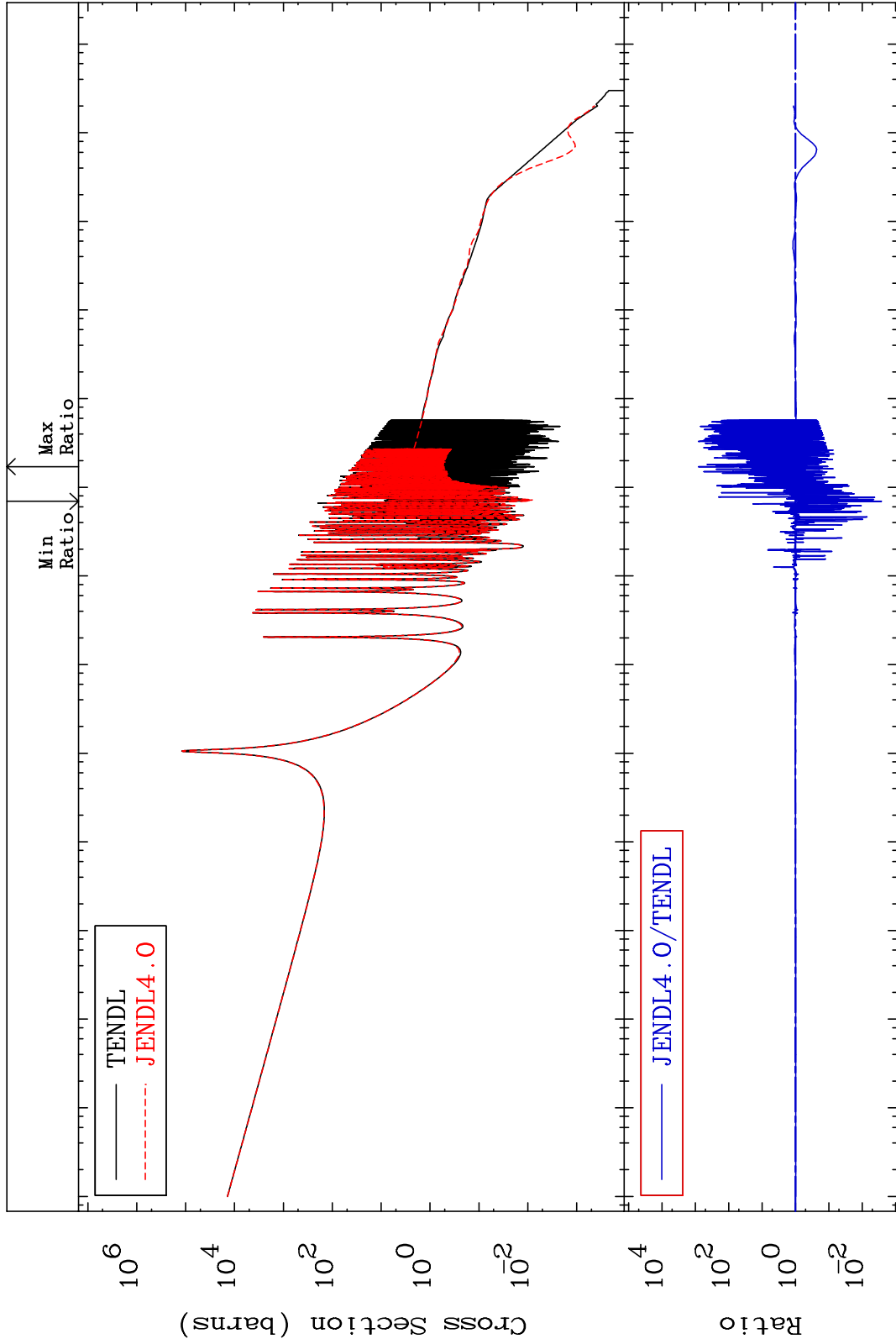
94-Pu-240



MAT 9440

(n,  $\gamma$ )  
Cross Section

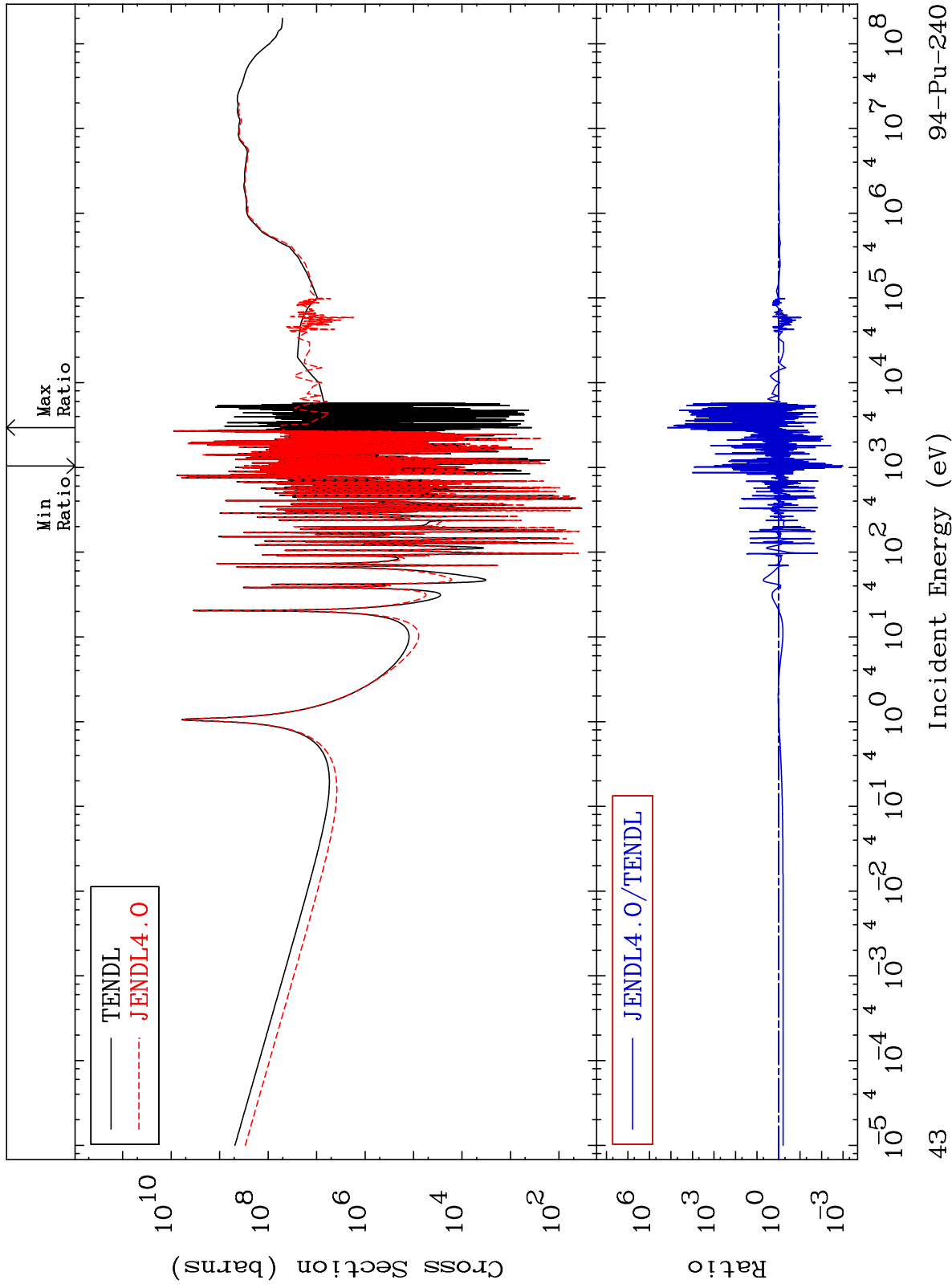
94-Pu-240  
-99.73 To 9999. %



MAT 9440

Kerma total (eV-barns)  
Cross Section

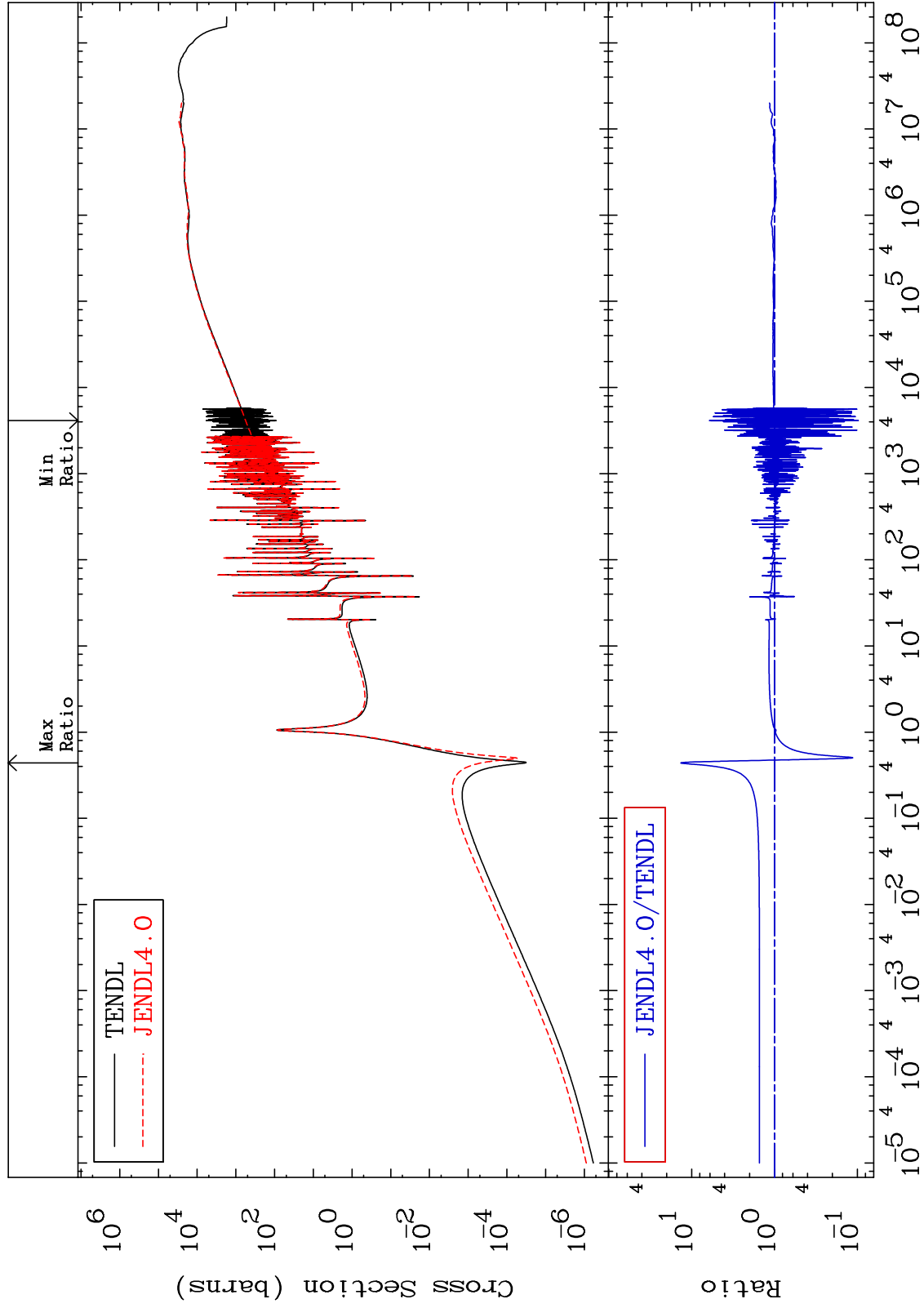
94-Pu-240  
-99.90 To 9999. %



MAT 9440

Kerma elastic  
Cross Section

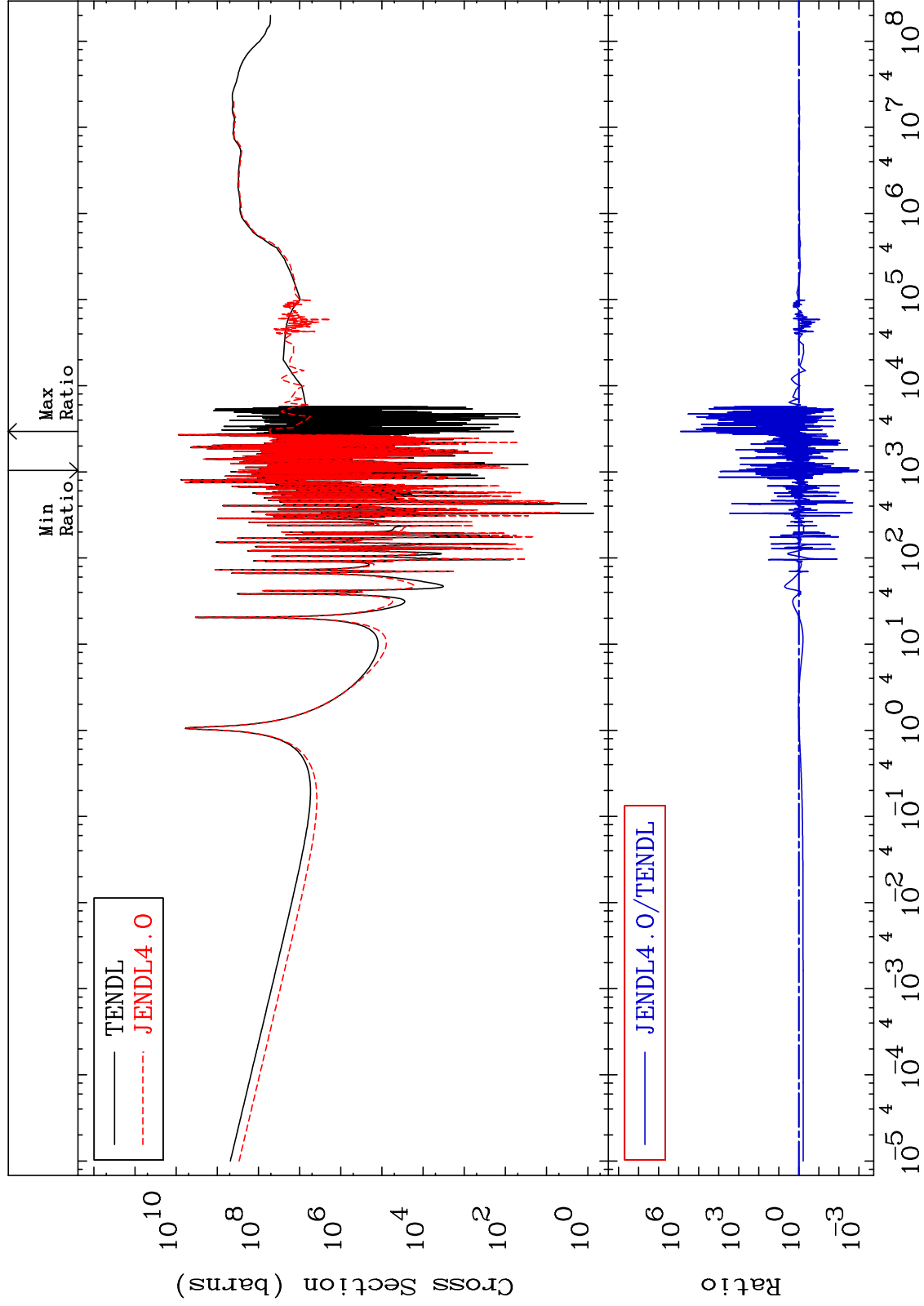
94-Pu-240  
-90.32 To 1265. %



MAT 9440

Kerma non-elastic (all but mt2)  
Cross Section

94-Pu-240  
-99.90 To 9999. %



45

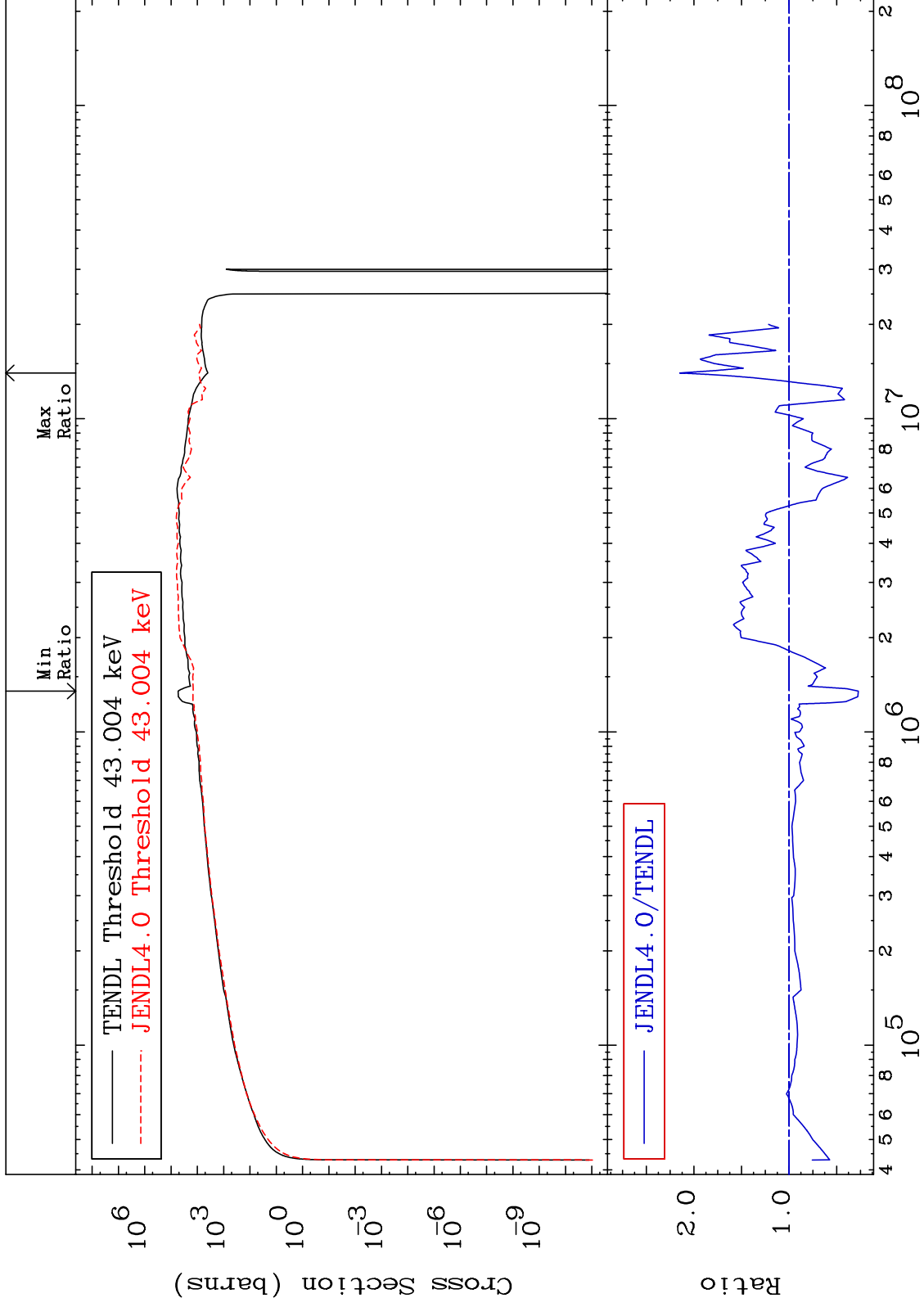
Incident Energy (eV)

94-Pu-240

MAT 9440

Kerma inelastic (mt51-91)  
Cross Section

94-Pu-240  
-72.80 To 114.9 %



46

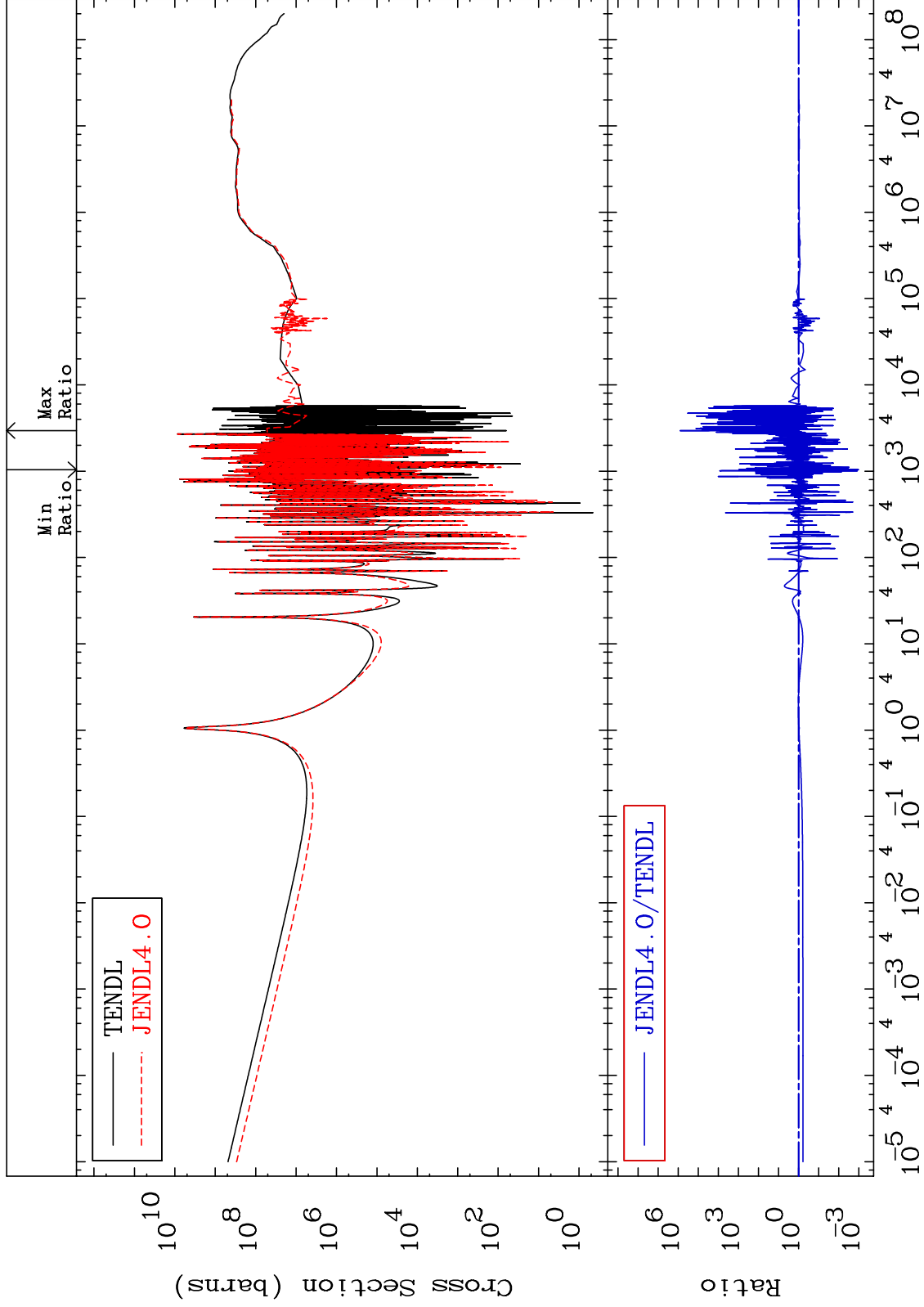
Incident Energy (eV)

94-Pu-240

MAT 9440

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

94-Pu-240  
-99.90 To 9999. %



47

Incident Energy (eV)

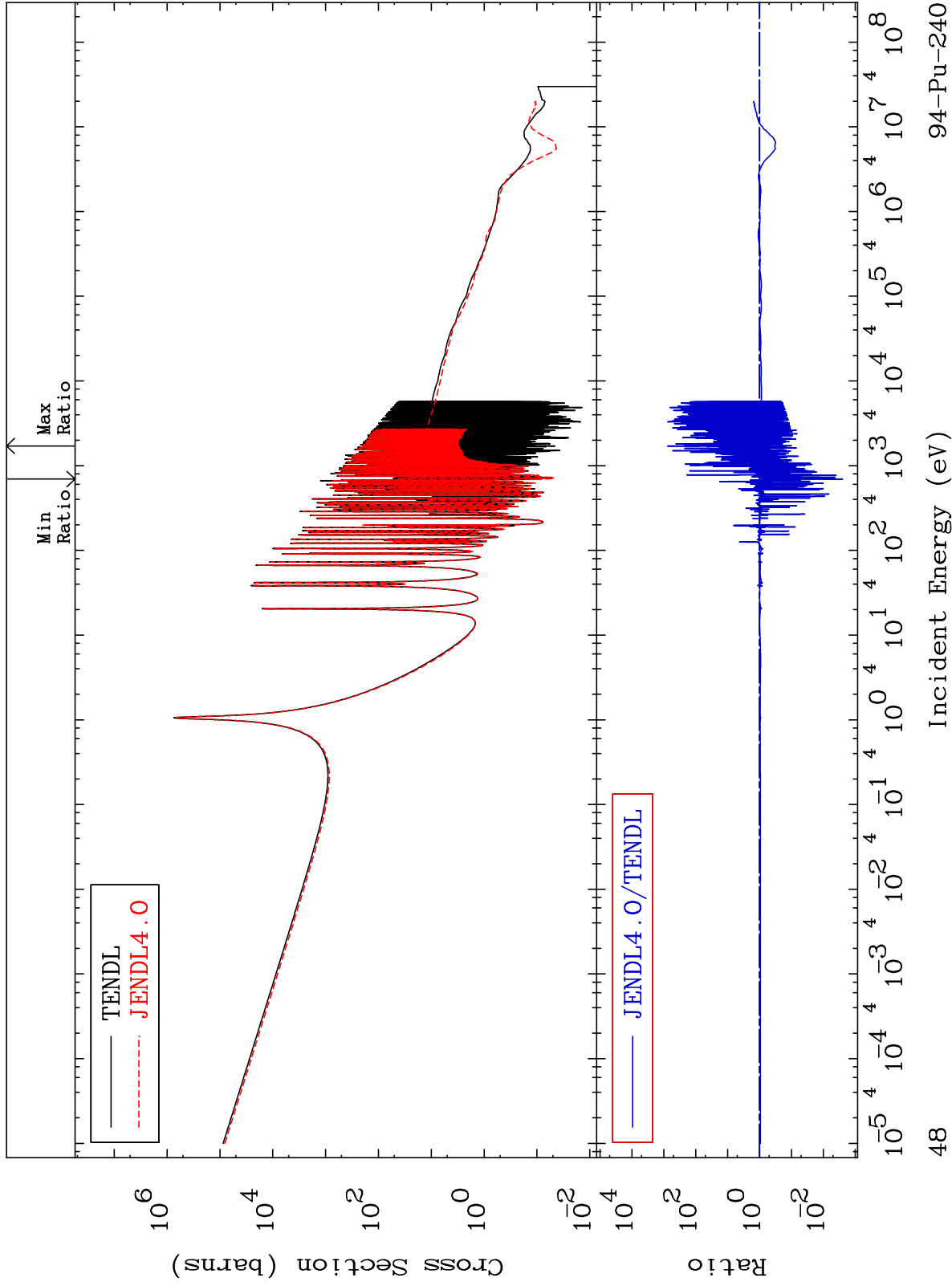
94-Pu-240



MAT 9440

Kerma capture (mt102)  
Cross Section

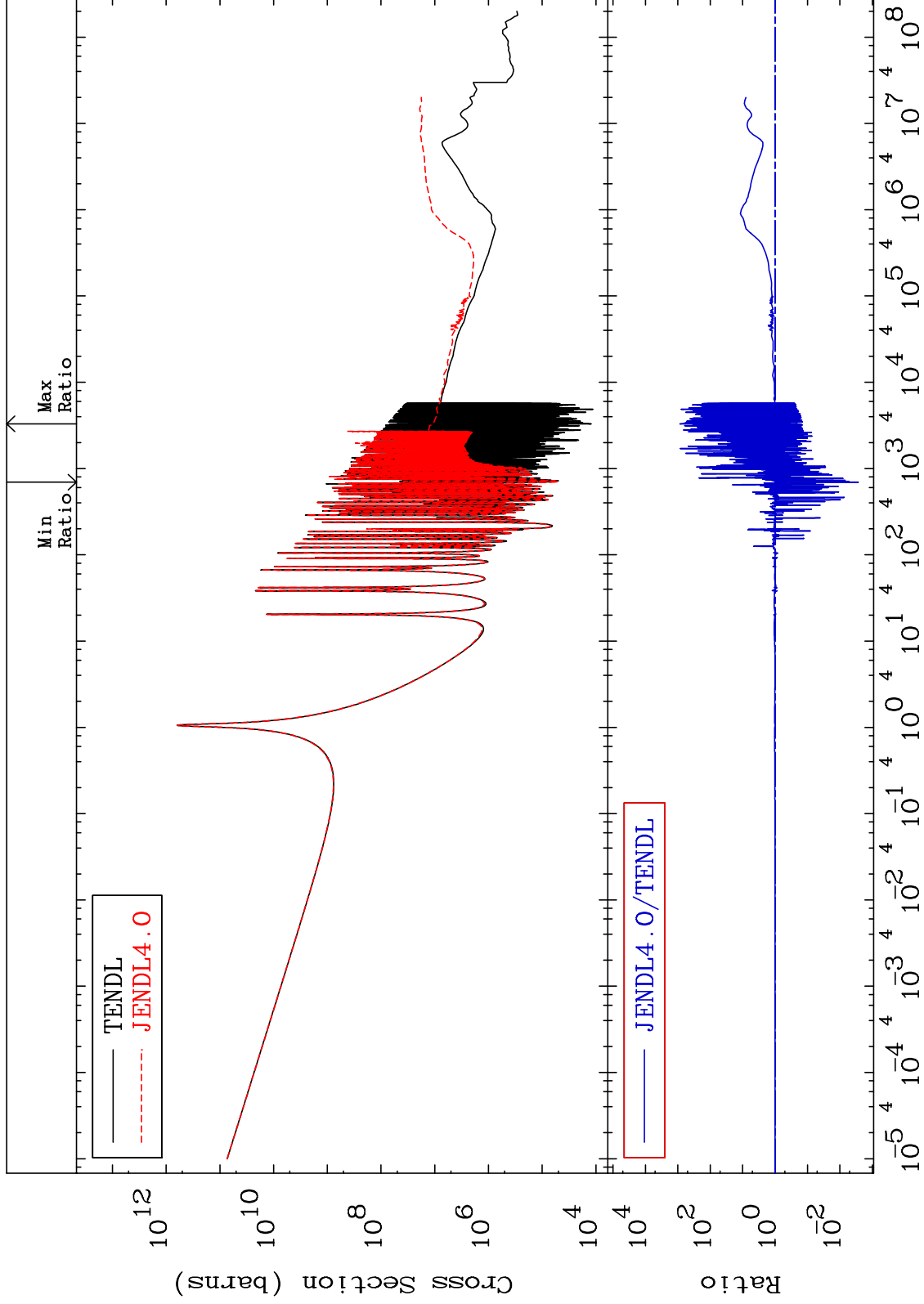
94-Pu-240  
-99.75 To 9999. %



MAT 9440

Total photon (eV-barns)  
Cross Section

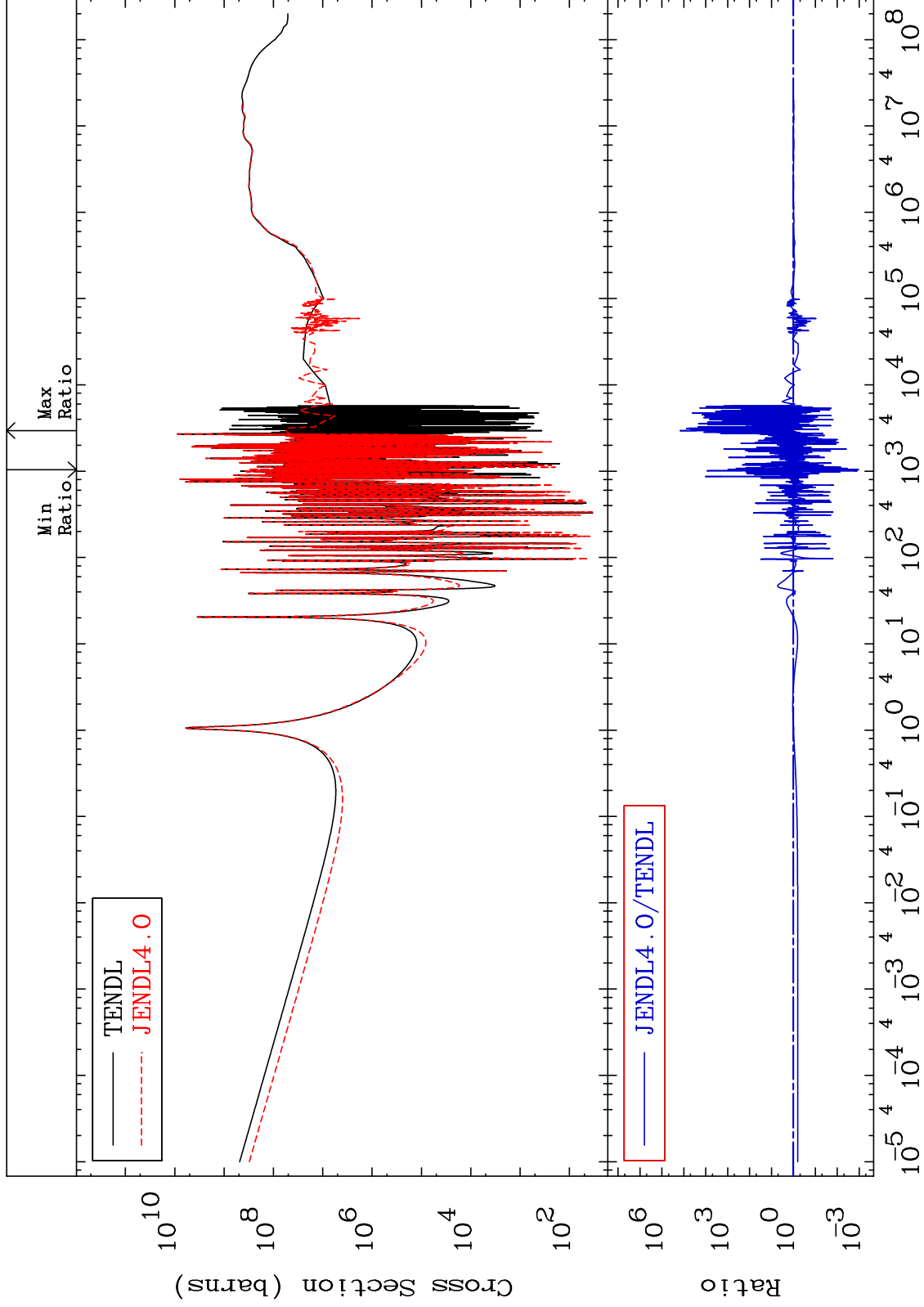
94-Pu-240  
-99.73 To 9999. %



MAT 9440

Total kinematic kerma (high limit)  
Cross Section

94-Pu-240  
-99.89 To 9999. %



50

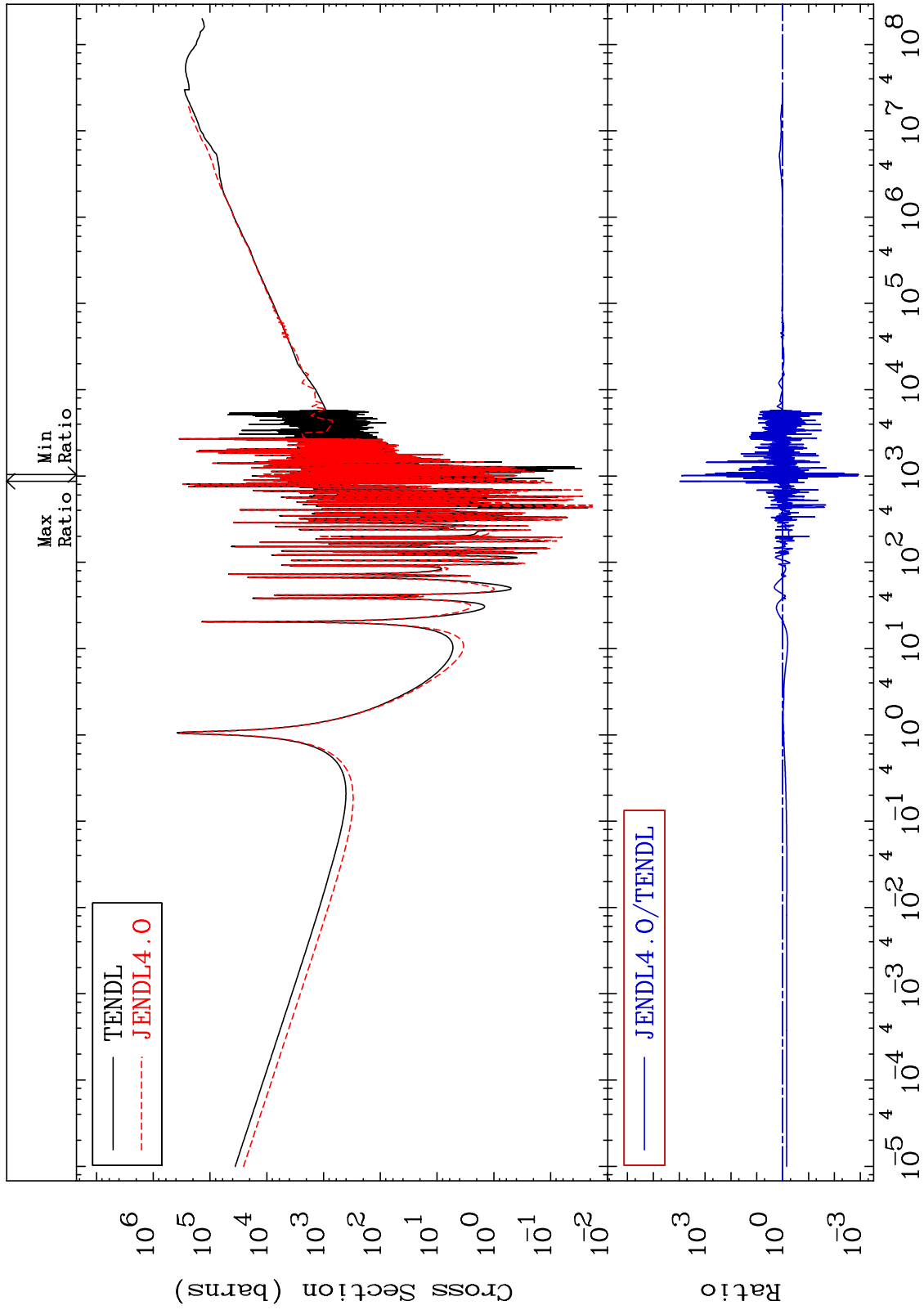
Incident Energy (eV)

94-Pu-240

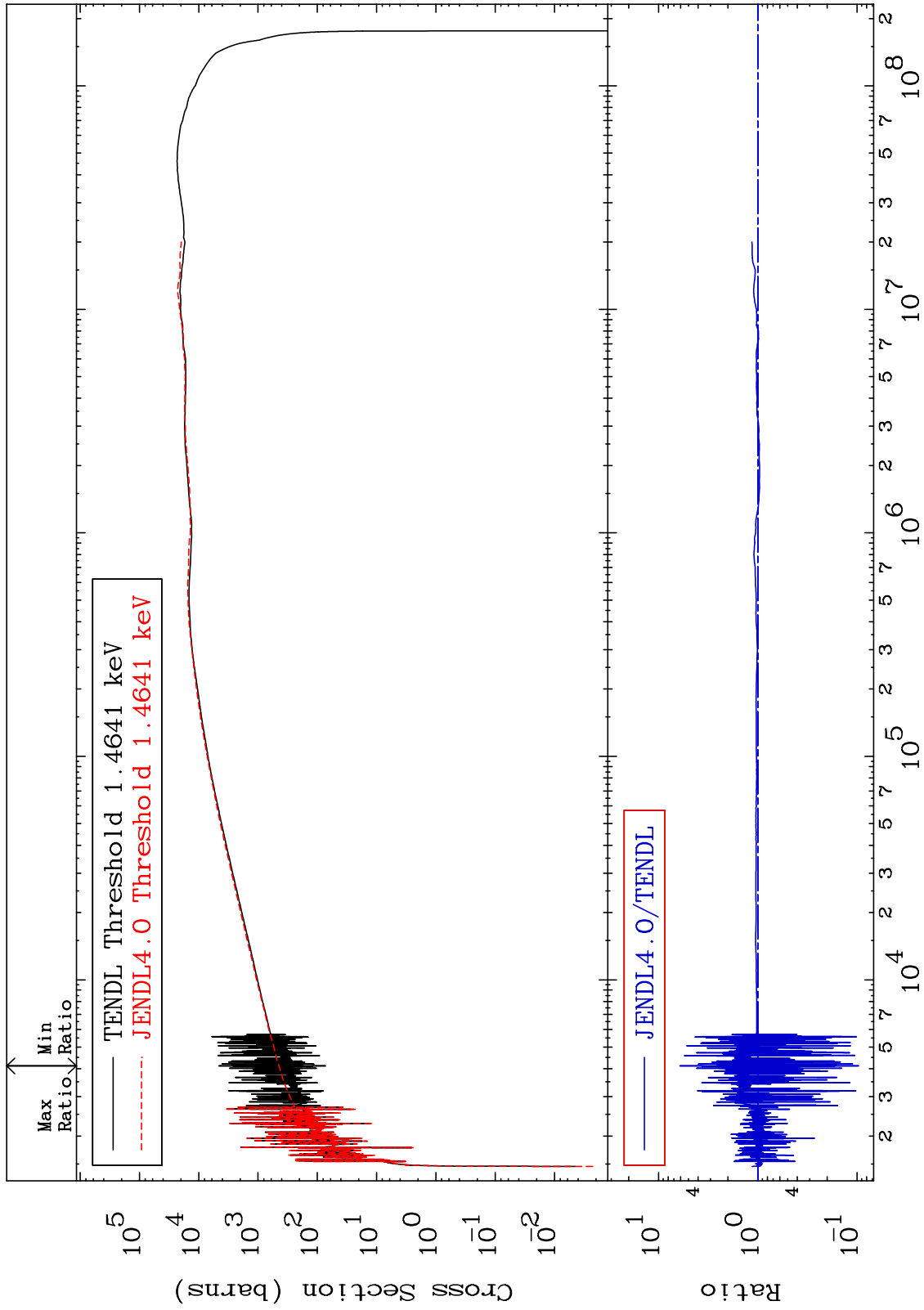
MAT 9440

Dpa total (eV-barns)  
Cross Section

94-Pu-240  
-99.88 To 9999. %



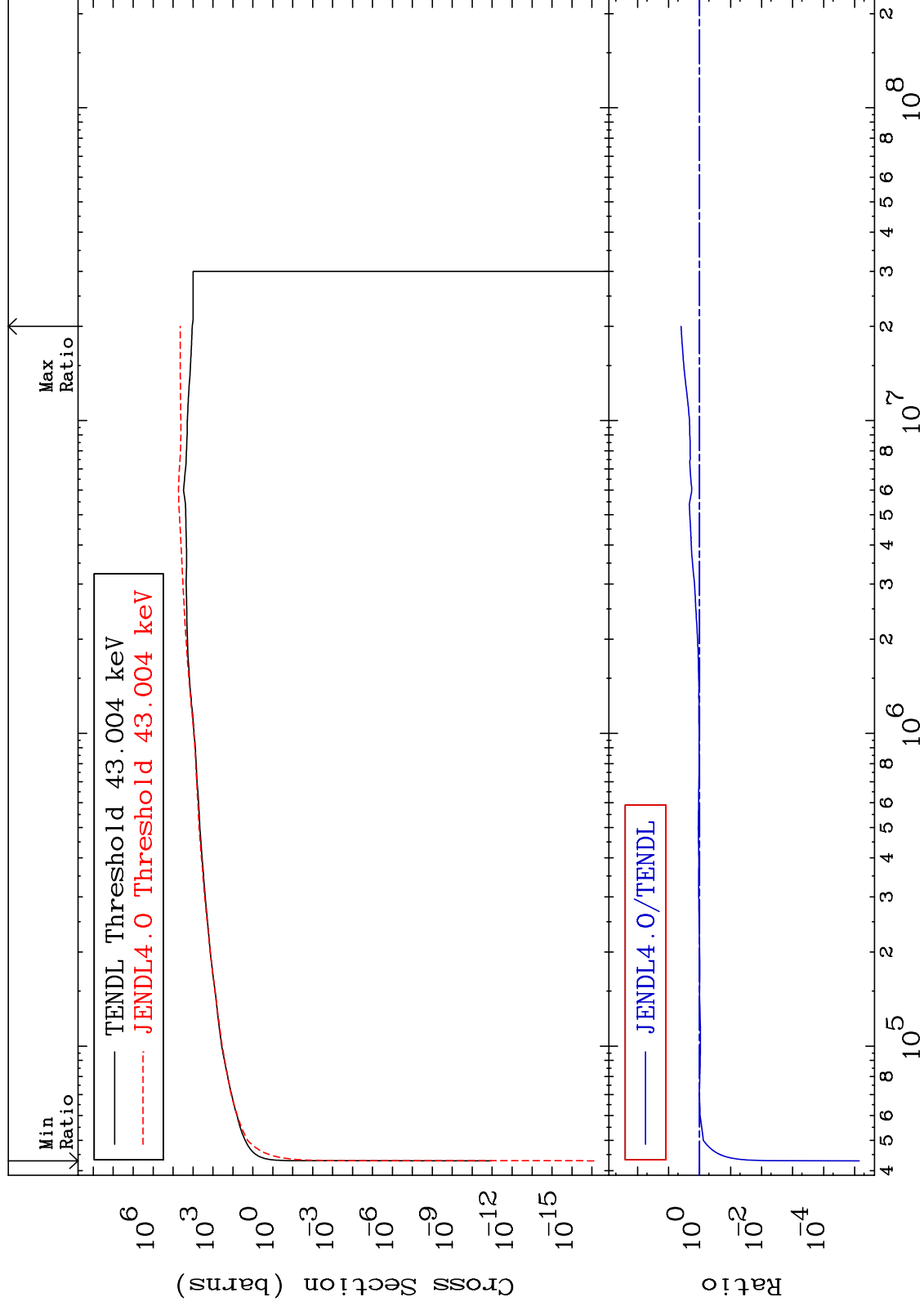
MAT 9440      Dpa elastic (mt2)      94-Pu-240  
 Cross Section      -90.31 To 507.3 %



MAT 9440

Dpa inelastic (mt51-91)  
Cross Section

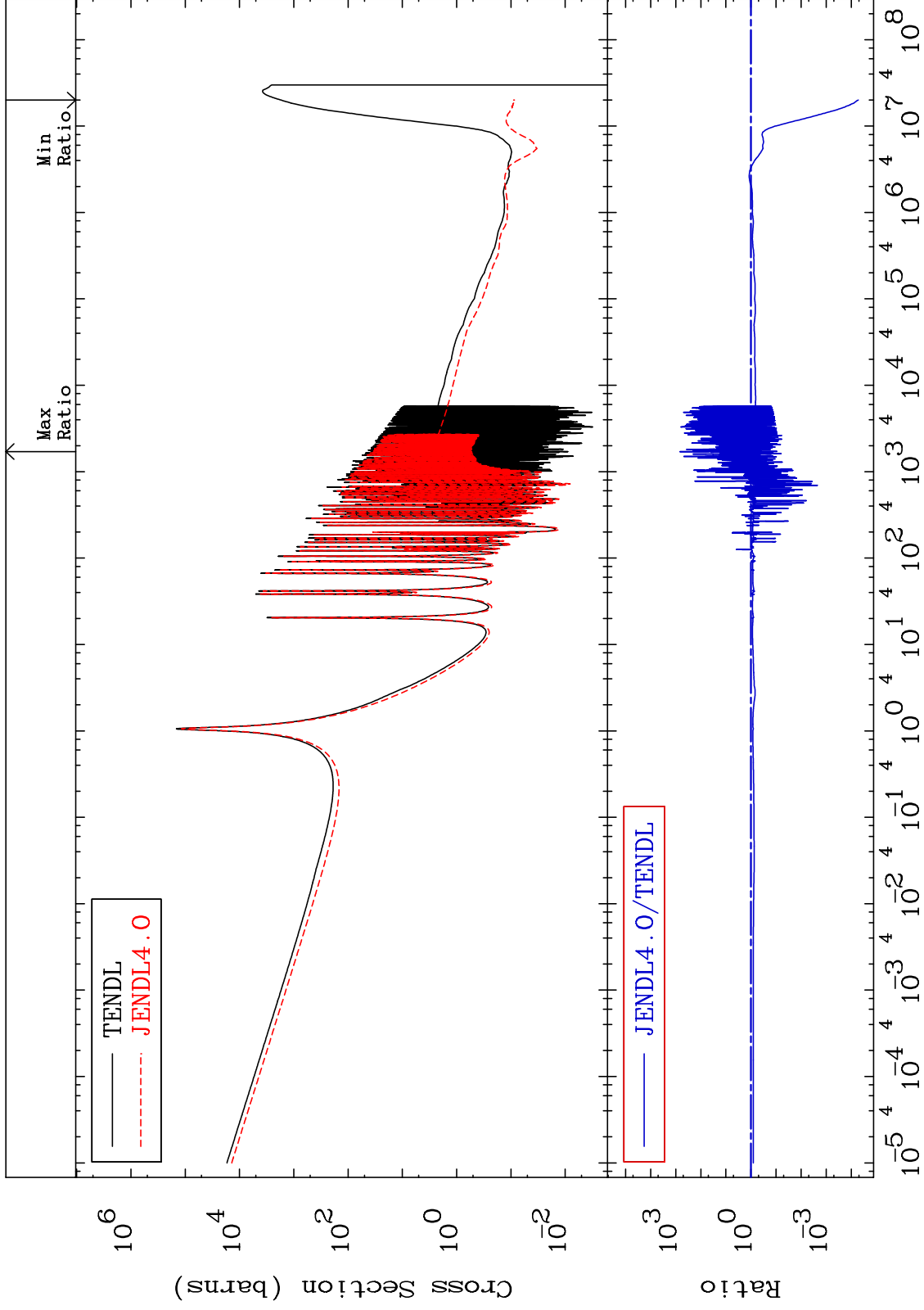
94-Pu-240  
-100.0 To 296.5 %



MAT 9440

Dpa disappearance (mt102 -120)  
Cross Section

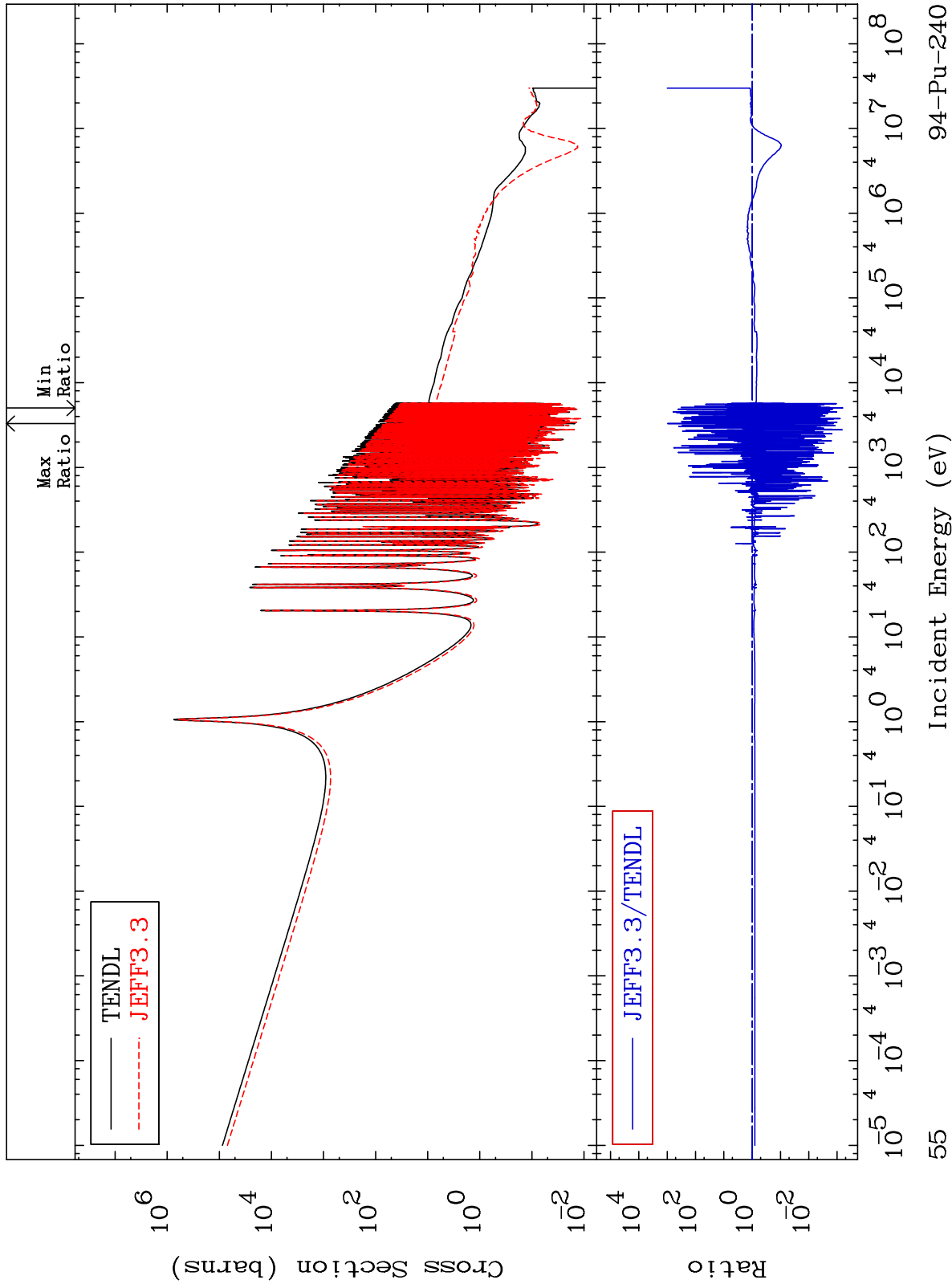
94-Pu-240  
-99.99 To 9999. %



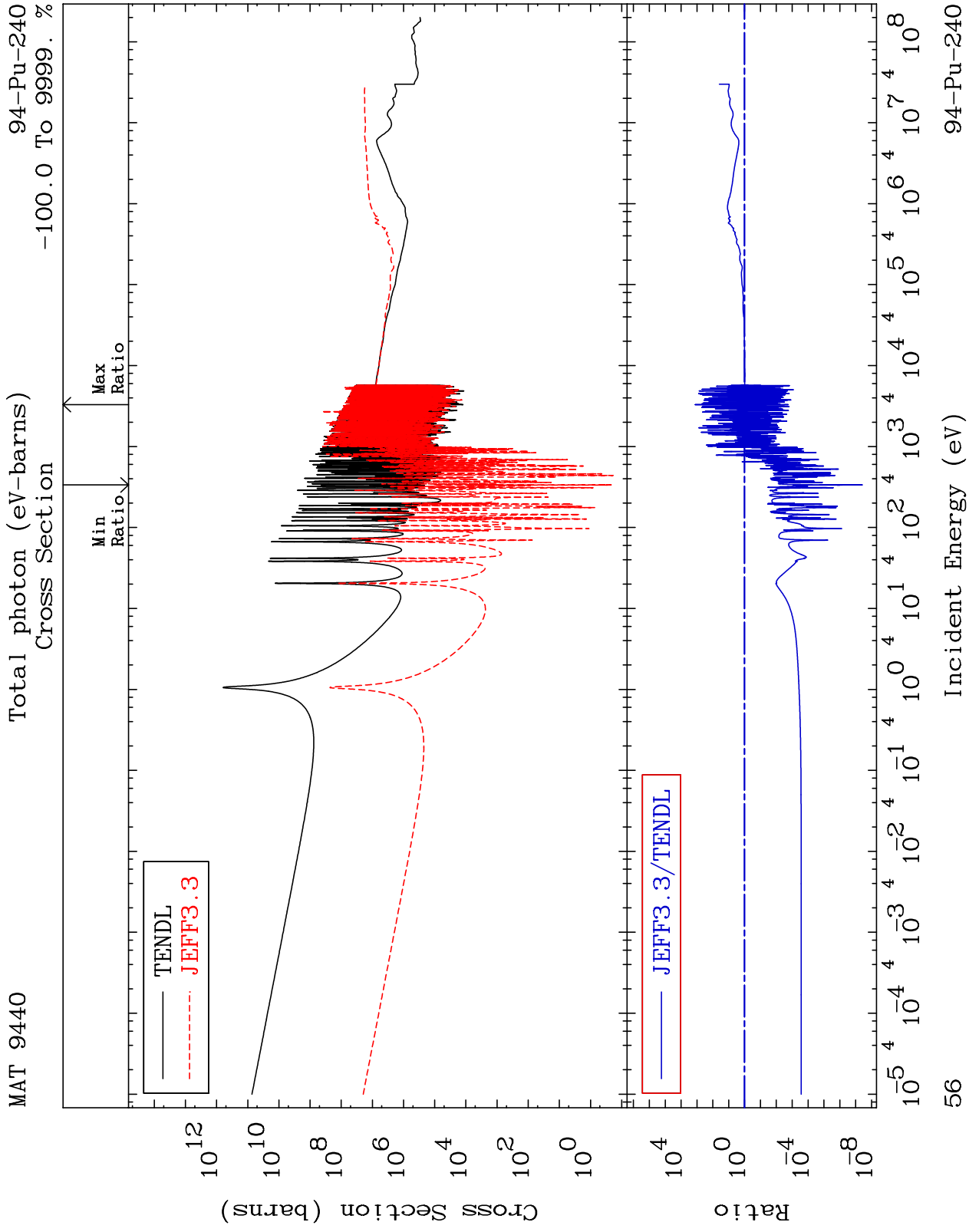
MAT 9440

Kerma capture (mt102)  
Cross Section

94-Pu-240  
-99.94 To 9999. %



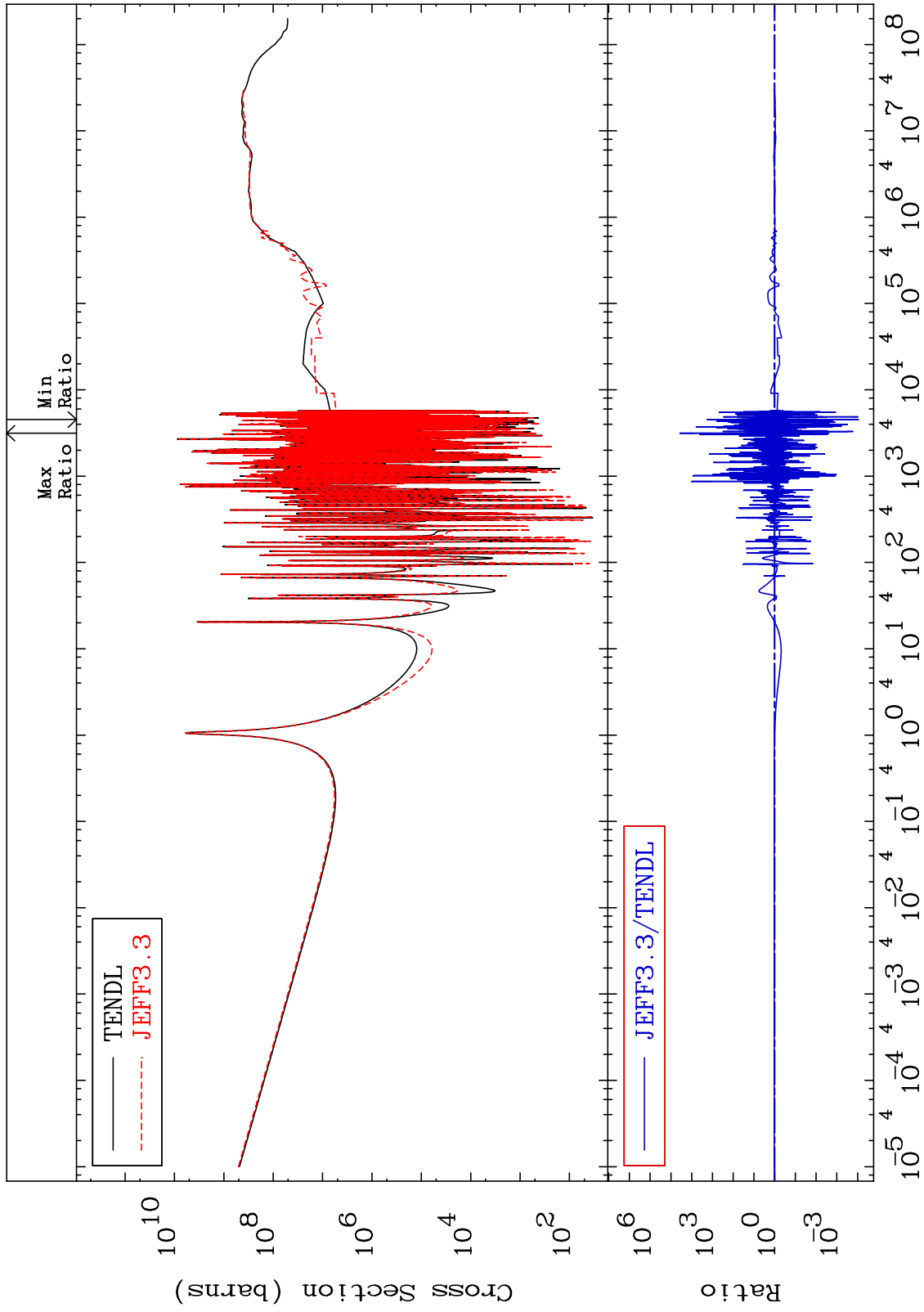




MAT 9440

Total kinematic kerma (high limit)  
Cross Section

94-Pu-240  
-99.99 To 9999. %



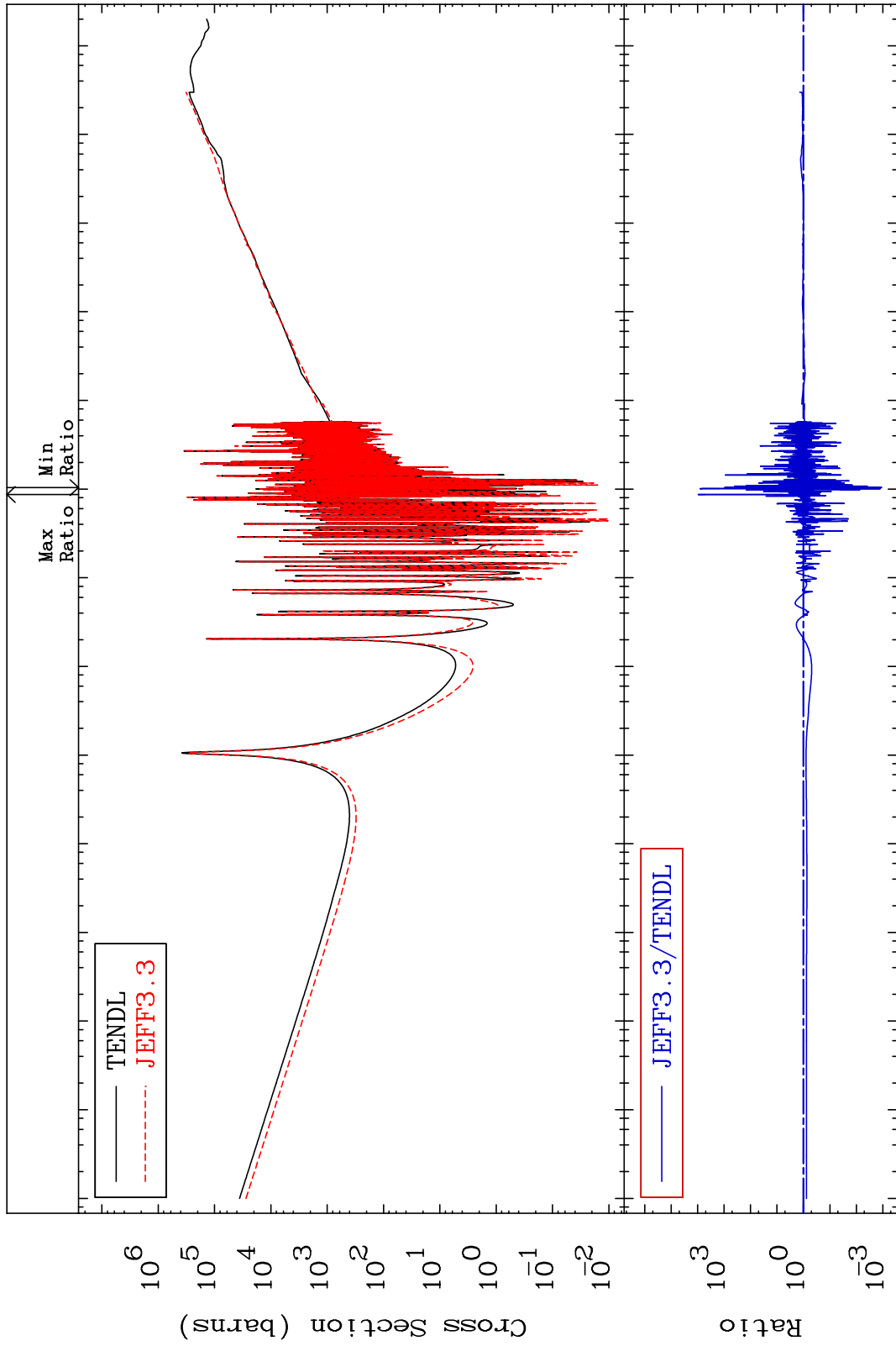
MAT 9440

Dpa total (eV-barns)

94-Pu-240

-99.89 To 9999. %

Cross Section



58

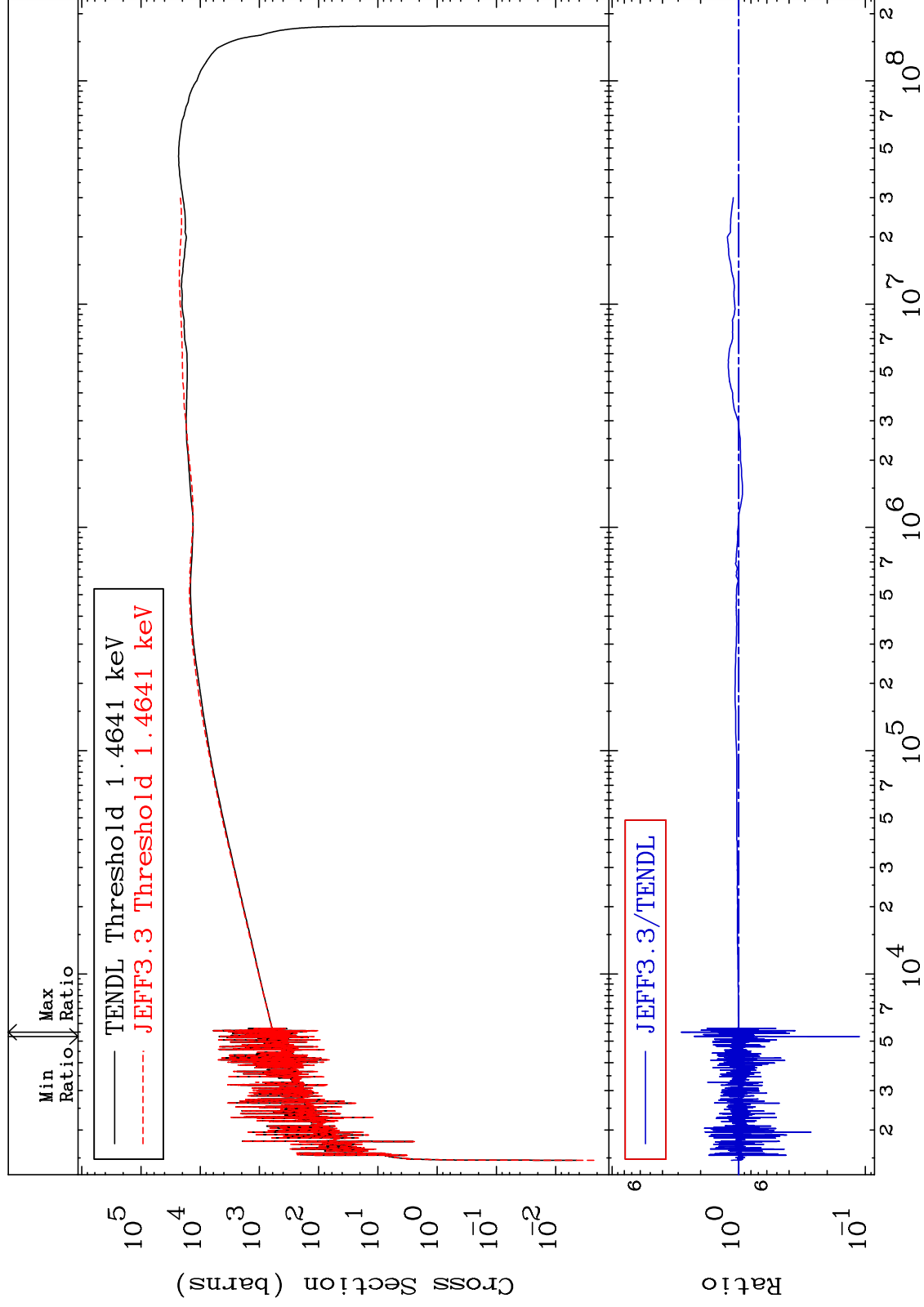
Incident Energy (eV)

94-Pu-240

MAT 9440

Dpa elastic (mt2)  
Cross Section

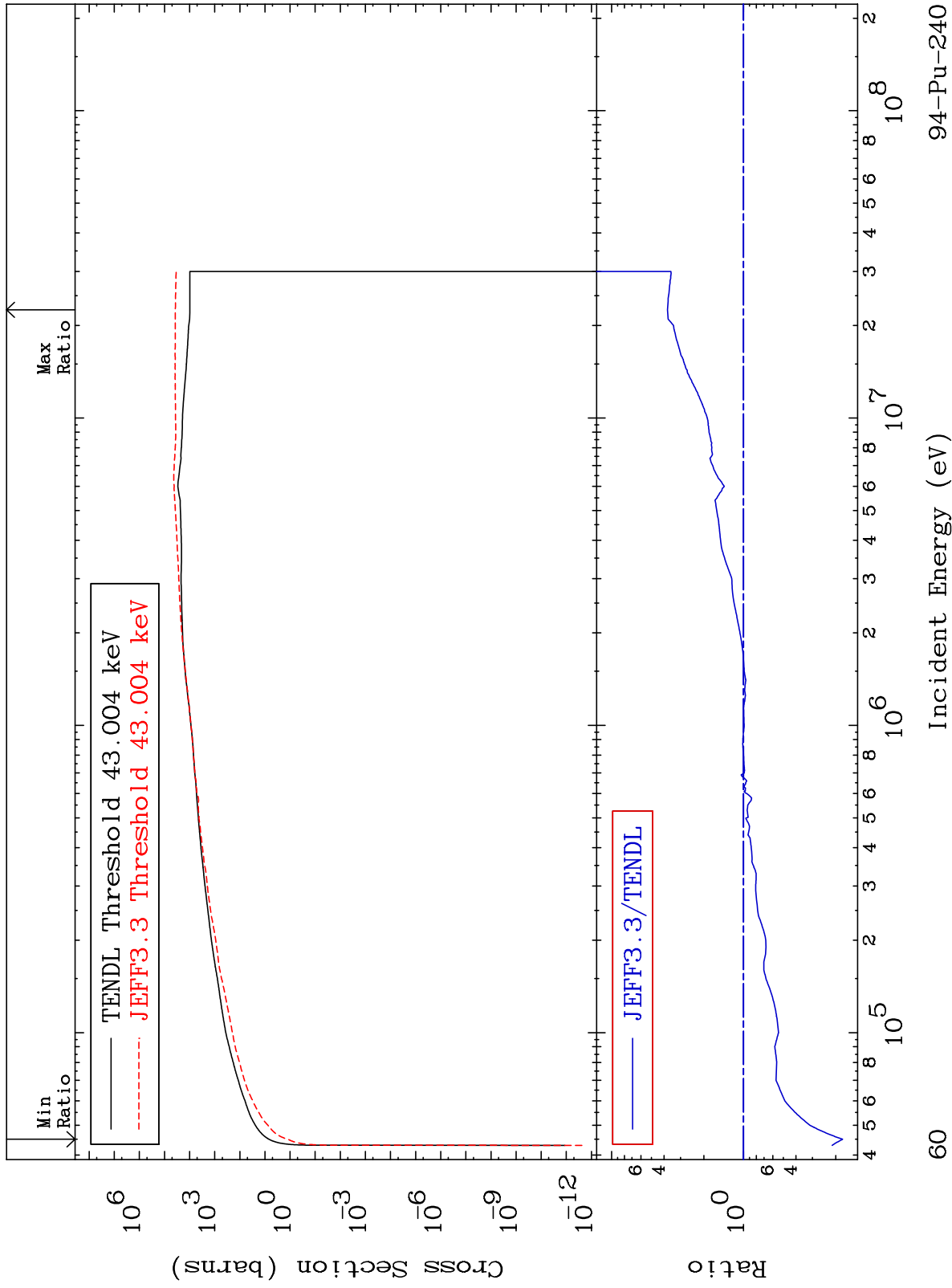
94-Pu-240  
-88.84 To 185.1 %



MAT 9440

Dpa inelastic (mt51-91)  
Cross Section

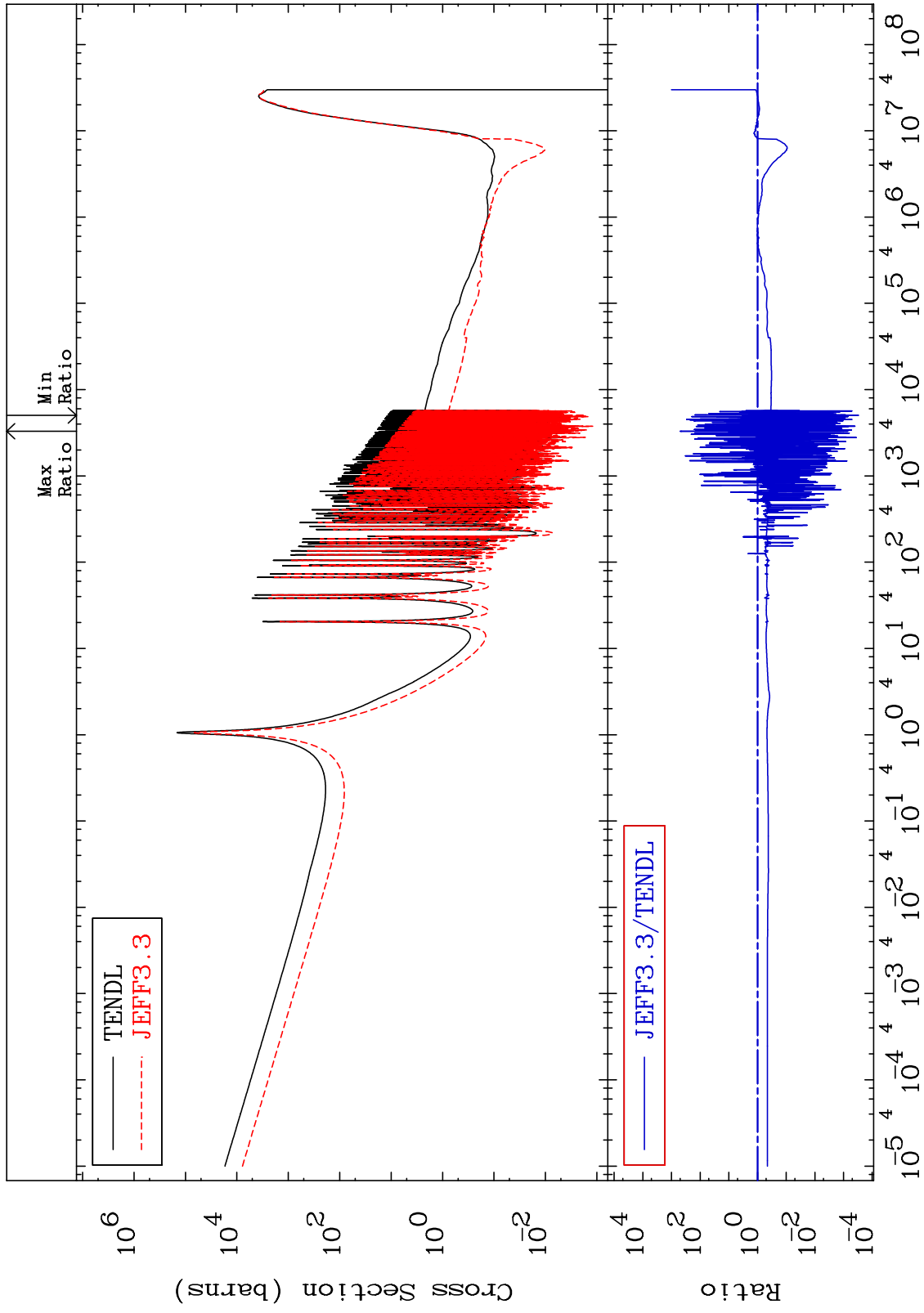
94-Pu-240  
-82.28 To 276.7 %



MAT 9440

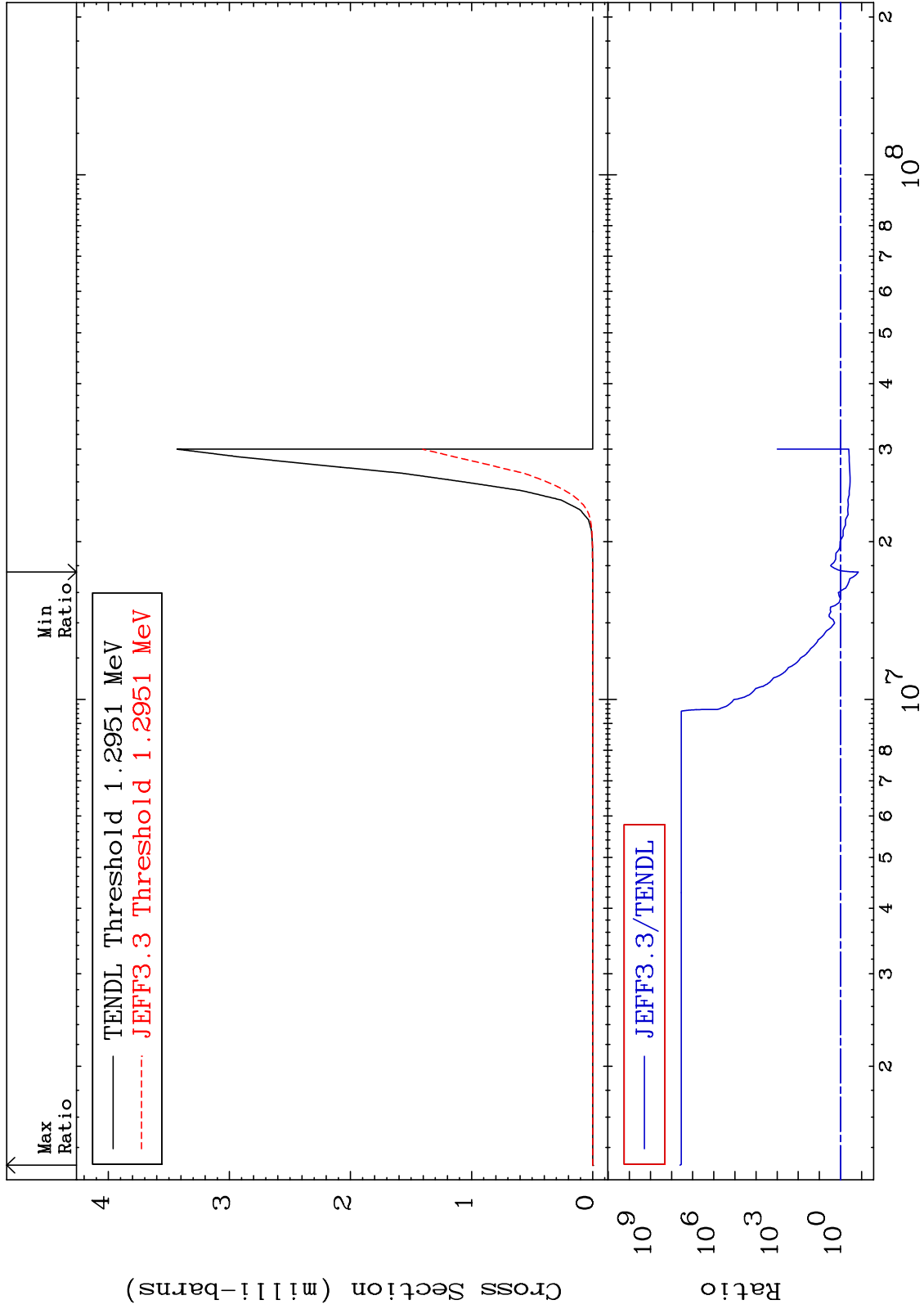
Dpa disappearance (mt102 -120)  
Cross Section

94-Pu-240  
-99.97 To 9999. %



MAT 9440

(n,2n)  $\alpha$ :92-U -235g 94-Pu-240  
Radionuclide Production Cross Section -85.80 To 9999. %



MAT 9440

(n,2n)  $\alpha$ :92-U -235m1

94-Pu-240

Radionuclide Production Cross Section -93.93 To 9999. %

