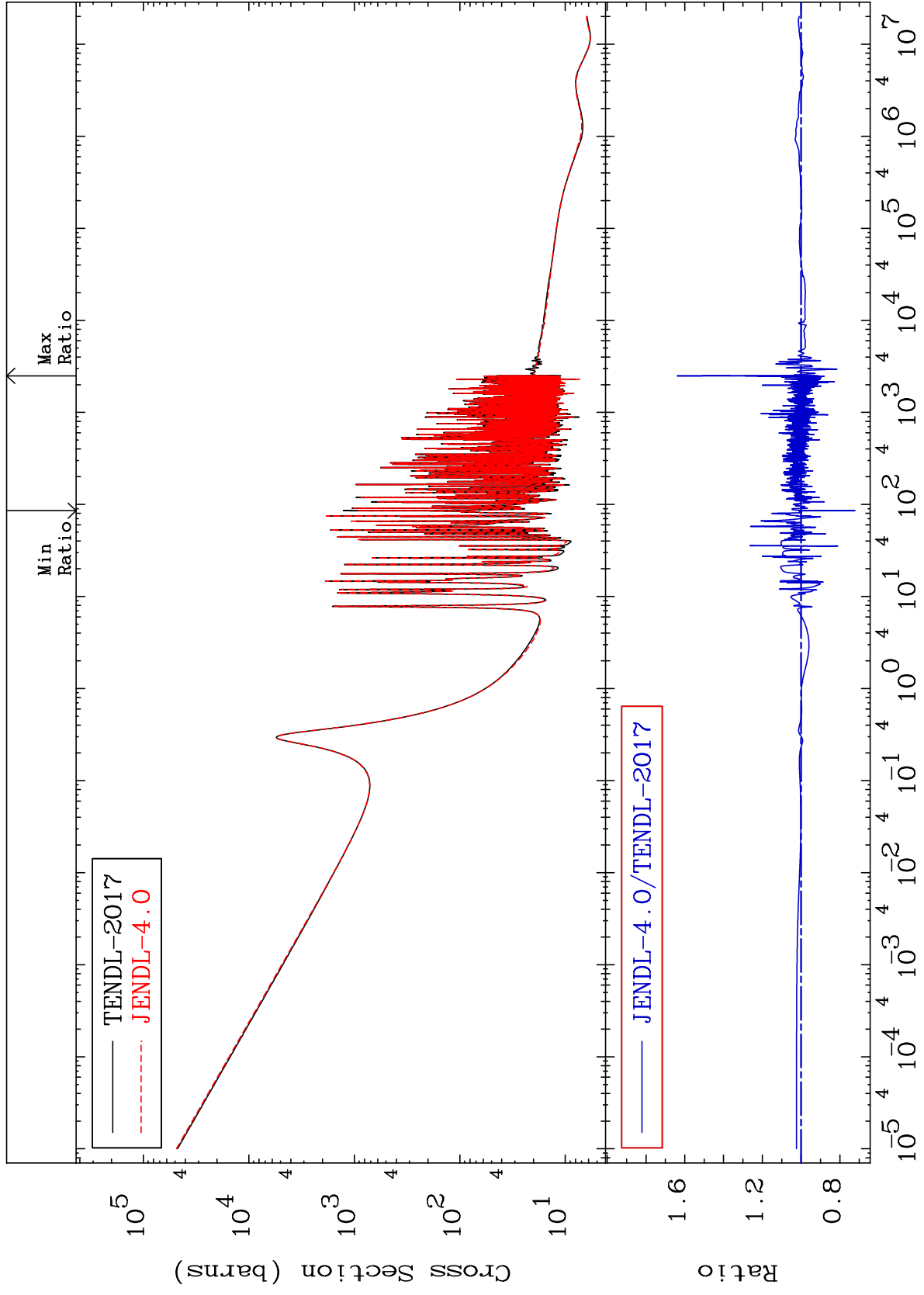


MAT 9437

Total Cross Section  
94-Pu-239  
-27.83 To 63.81 %



94-Pu-239

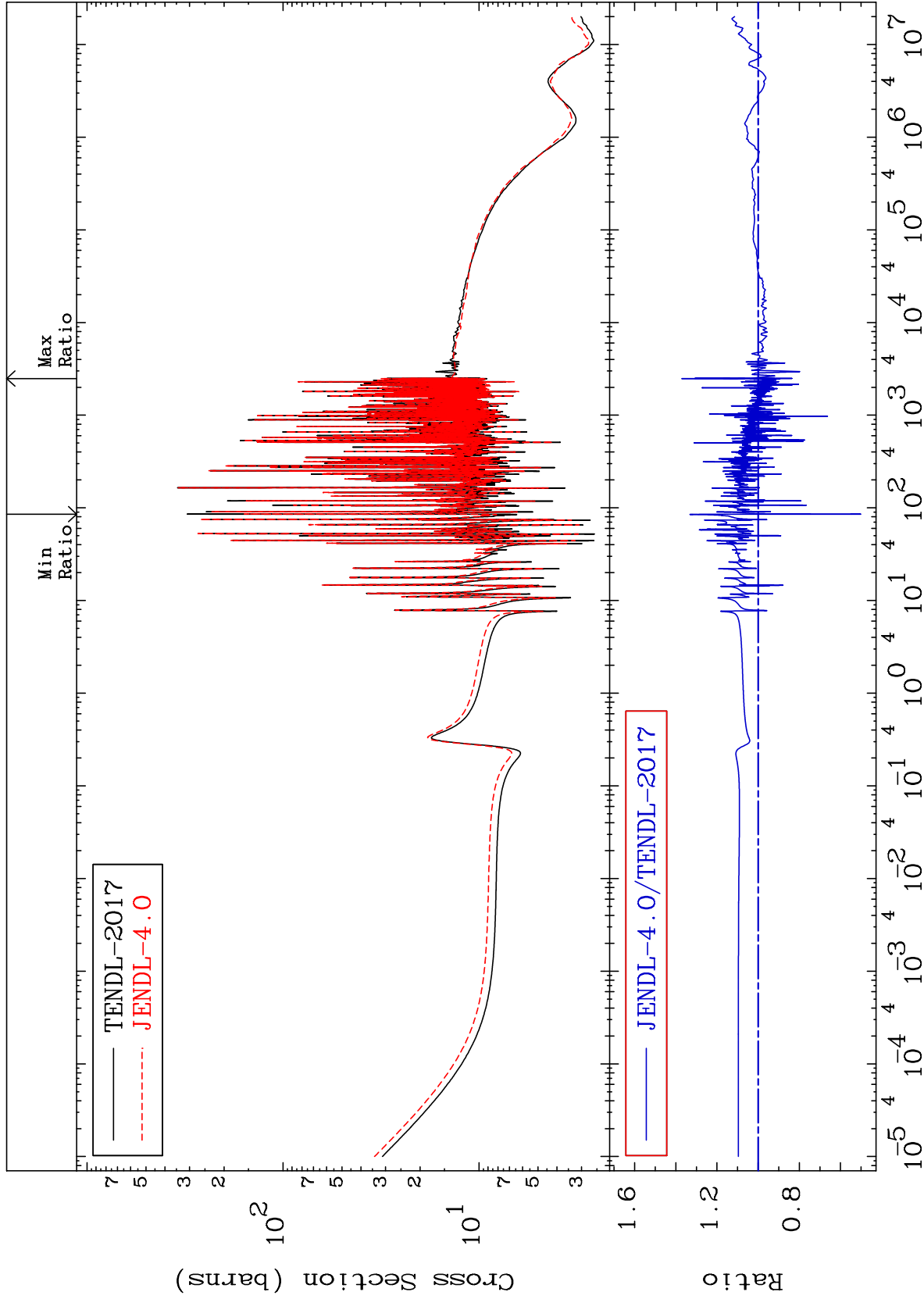
MAT 9437

Elastic

94-Pu-239

Cross Section

-49.87 To 37.02 %



2

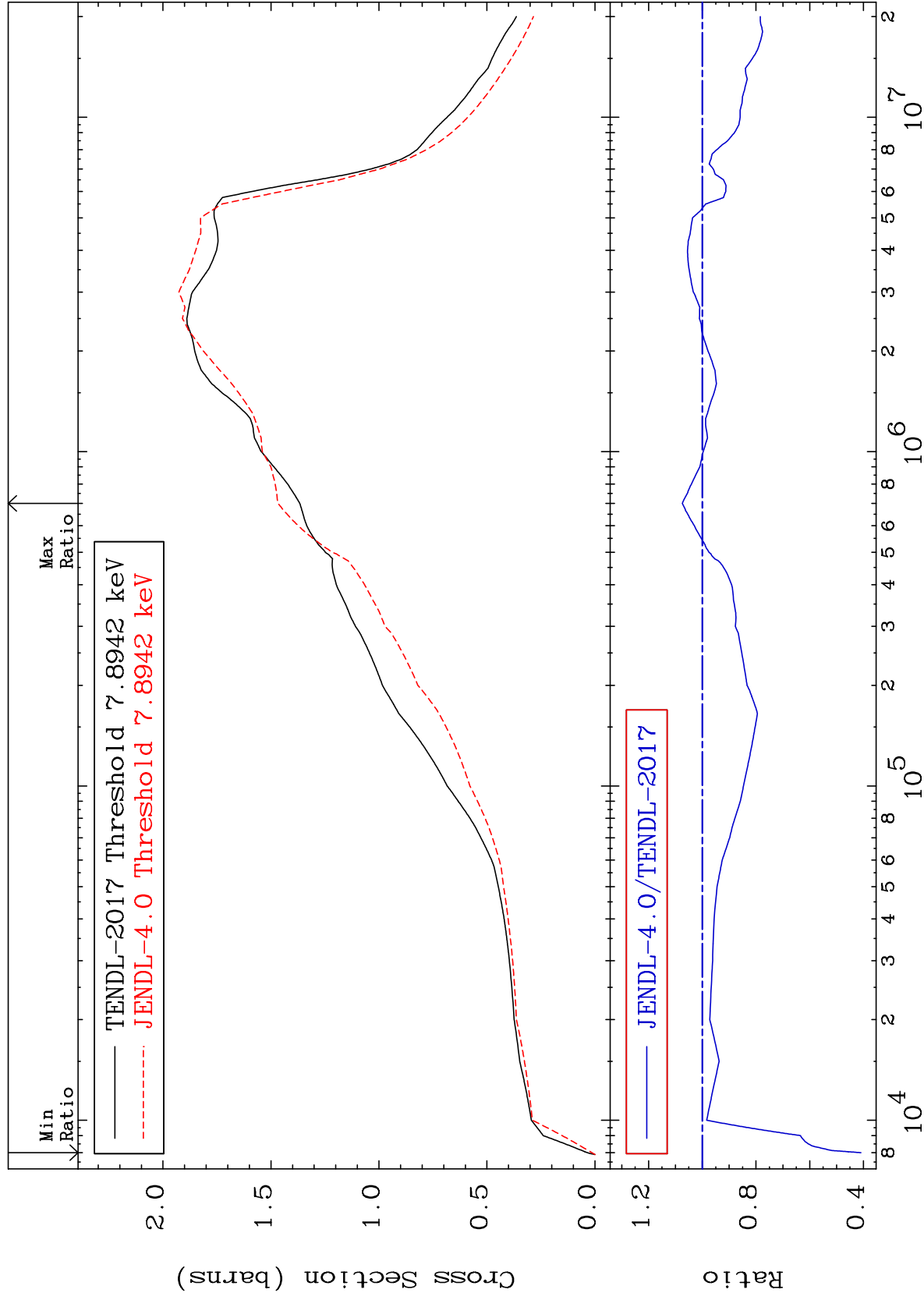
Incident Energy (eV)

94-Pu-239

MAT 9437

Inelastic  
Cross Section

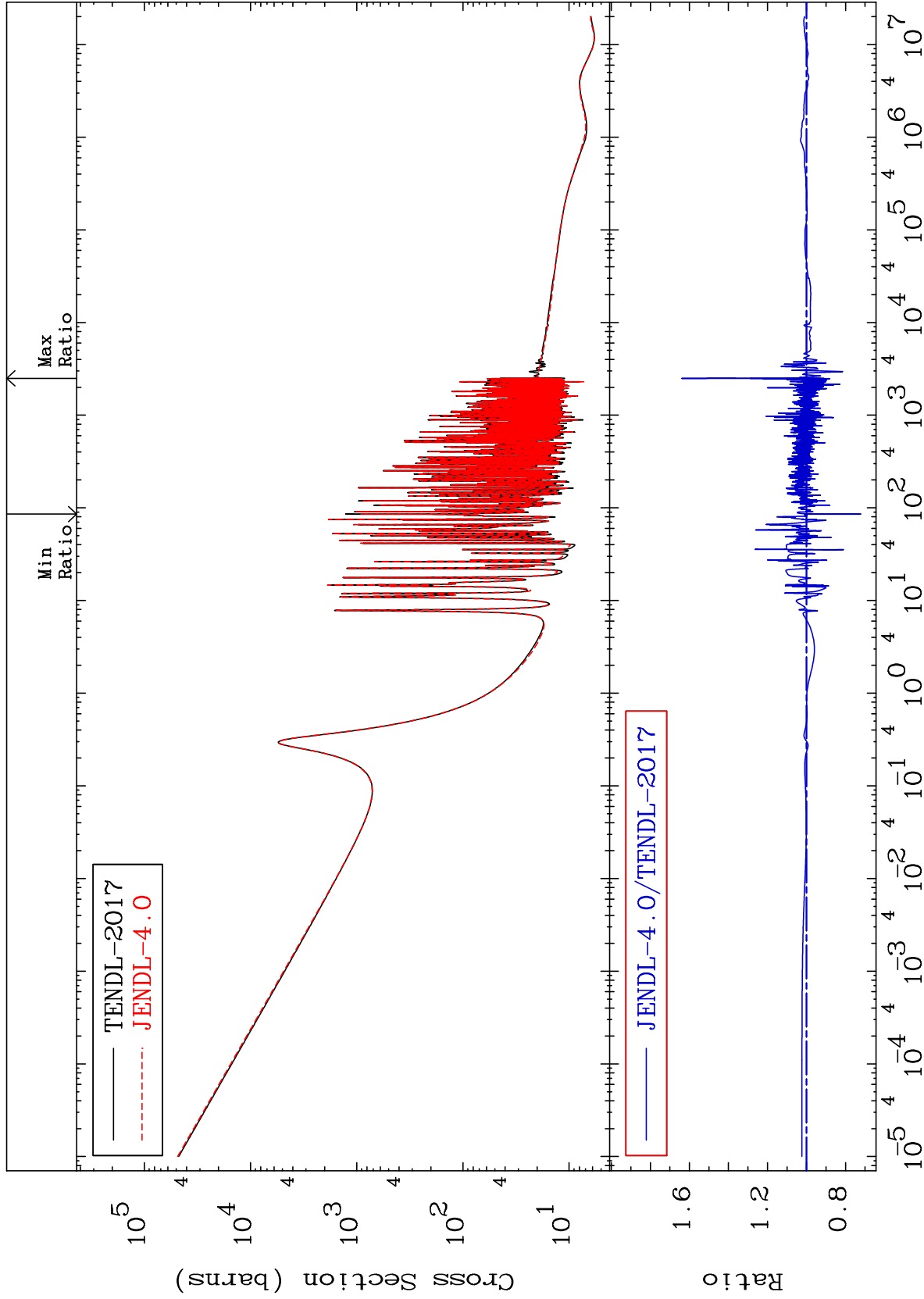
94-Pu-239  
-59.07 To 7.419 %



MAT 9437

Total  
Cross Section

94-Pu-239  
-27.83 To 63.81 %



94-Pu-239

Incident Energy (eV)

1

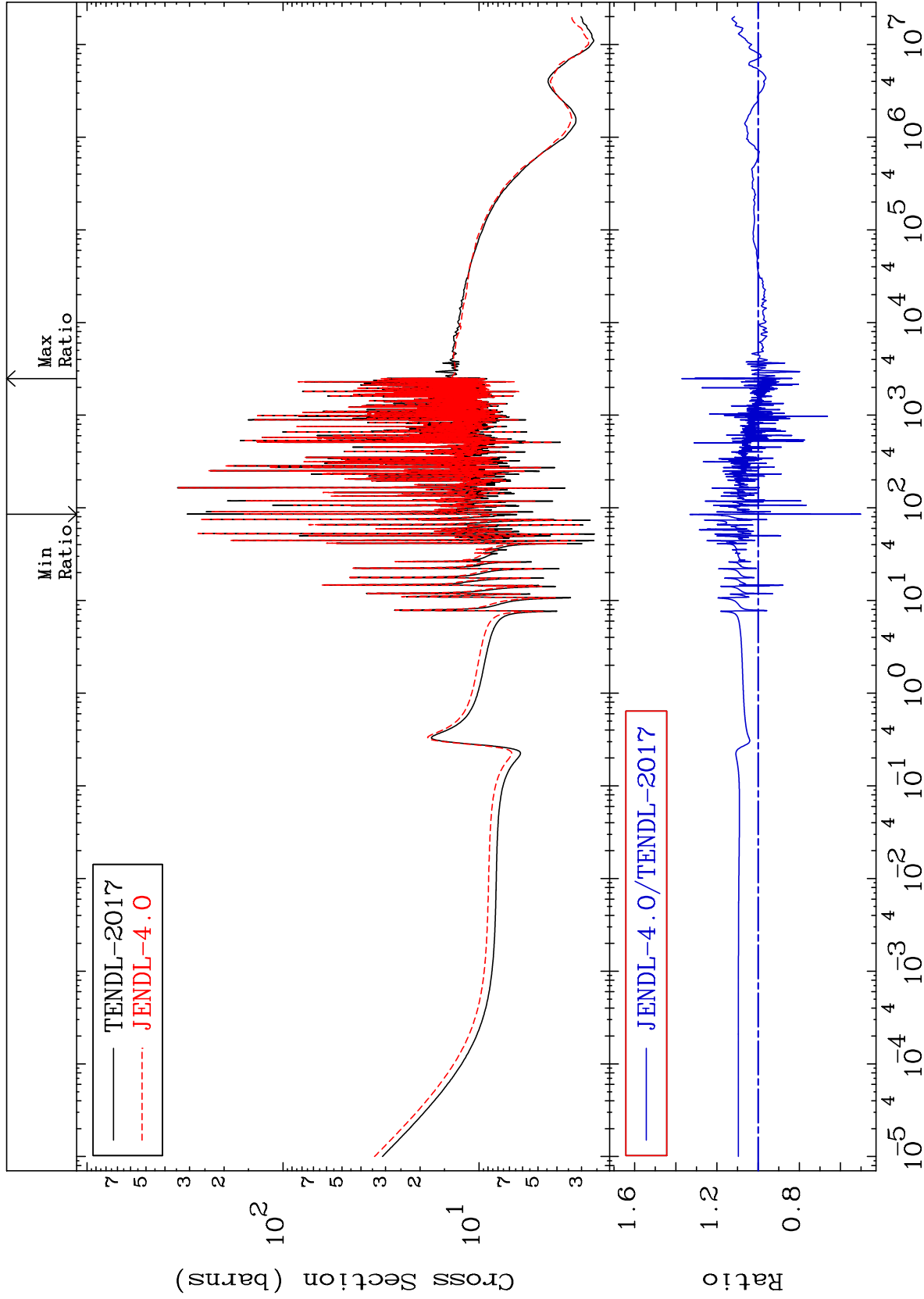
MAT 9437

Elastic

94-Pu-239

Cross Section

-49.87 To 37.02 %



2

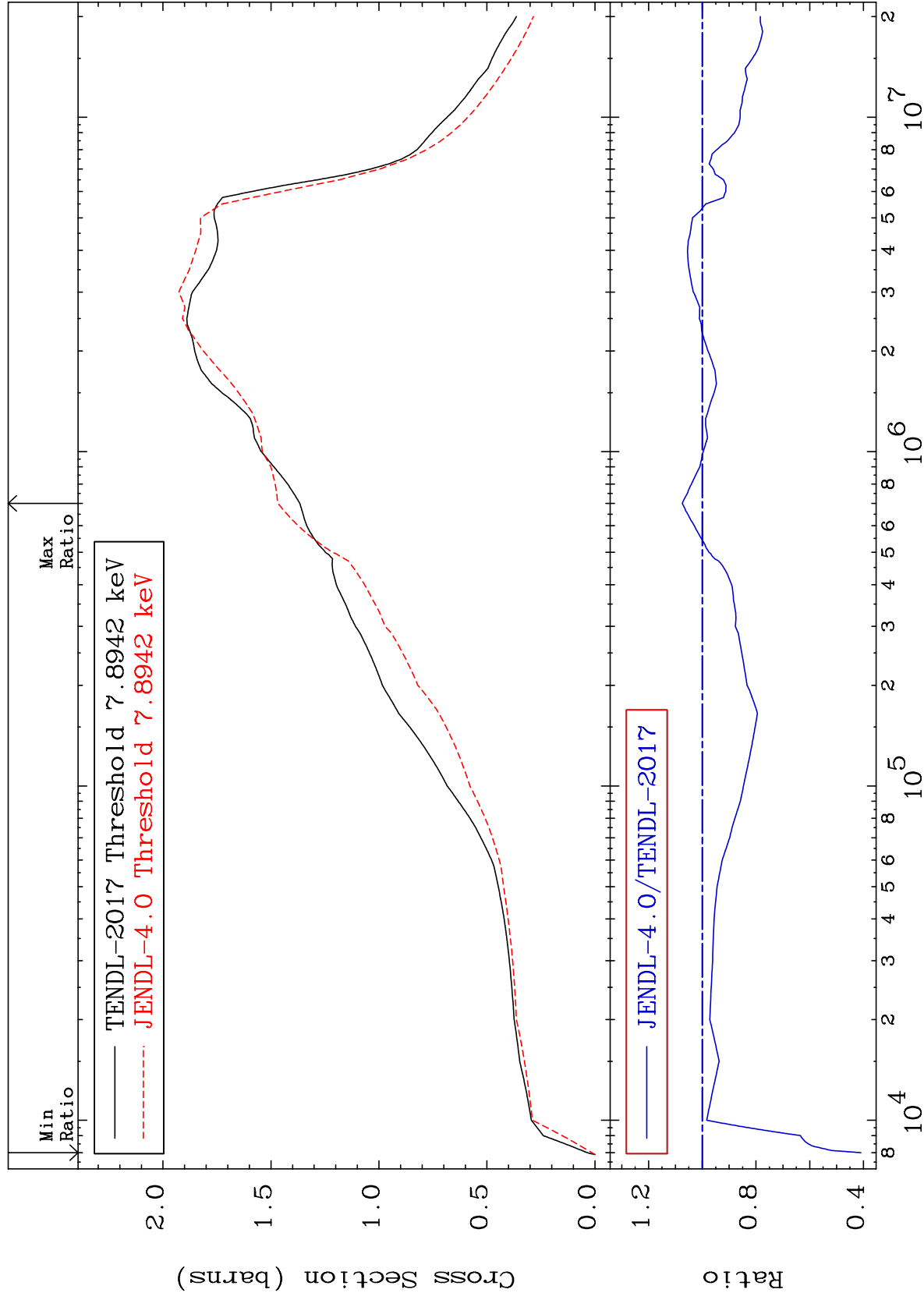
Incident Energy (eV)

94-Pu-239

MAT 9437

Inelastic  
Cross Section

94-Pu-239  
-59.07 To 7.419 %



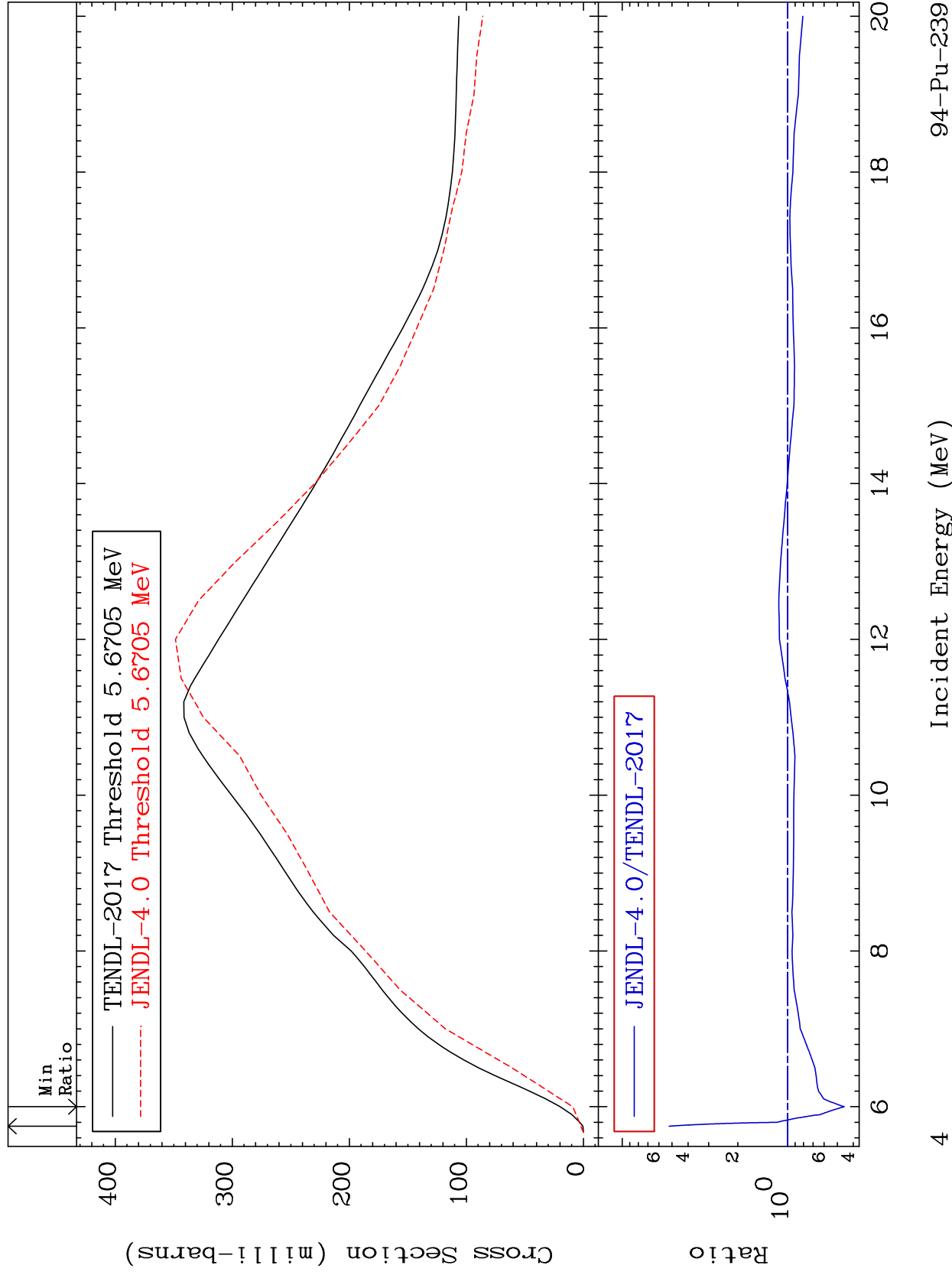
MAT 9437

(n,2n)

94-Pu-239

Cross Section

-54.65 To 420.1 %



4

Incident Energy (MeV)

94-Pu-239

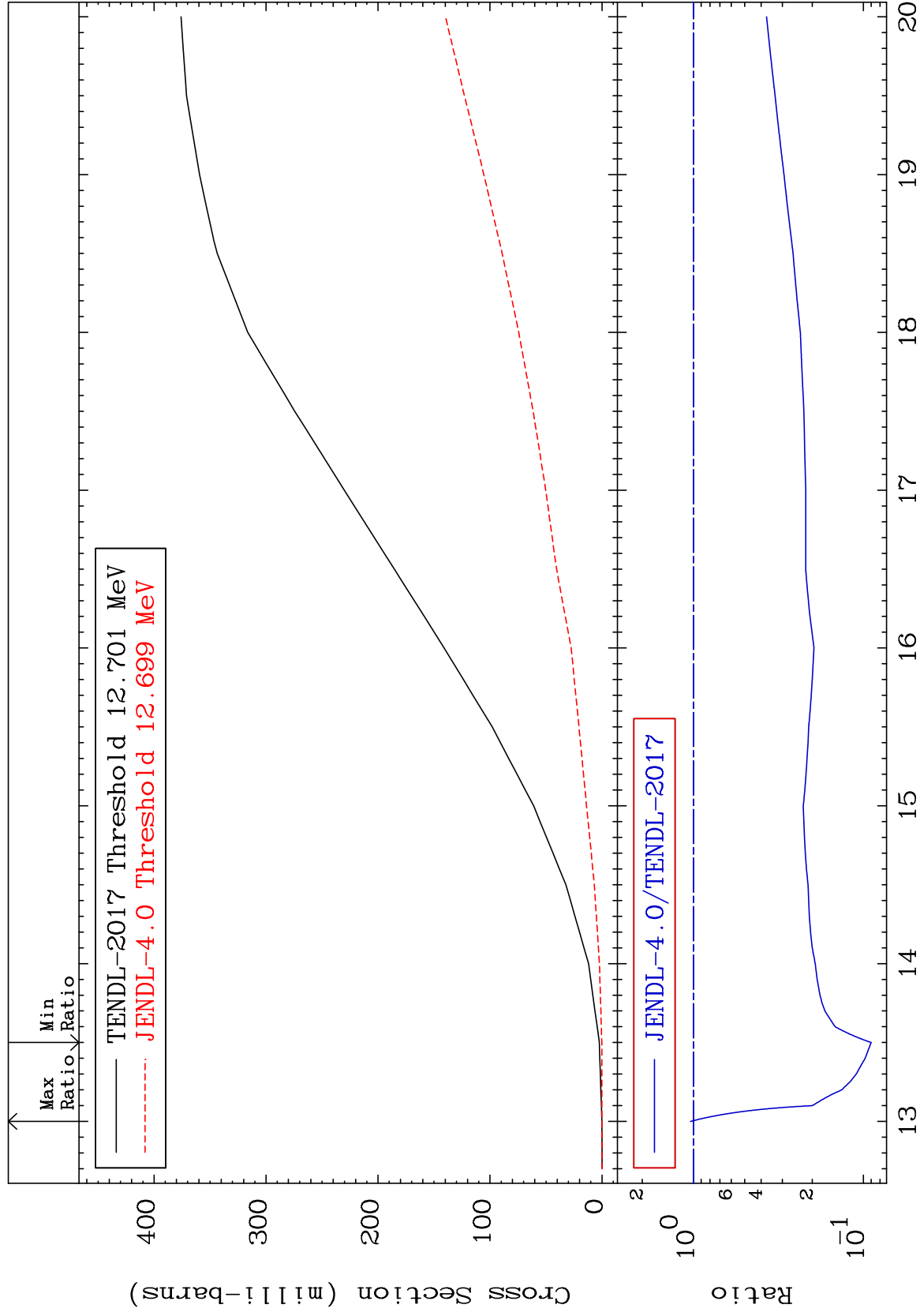
MAT 9437

(n, 3n)

94-Pu-239

Cross Section

-90.99 To 4.129 %



5

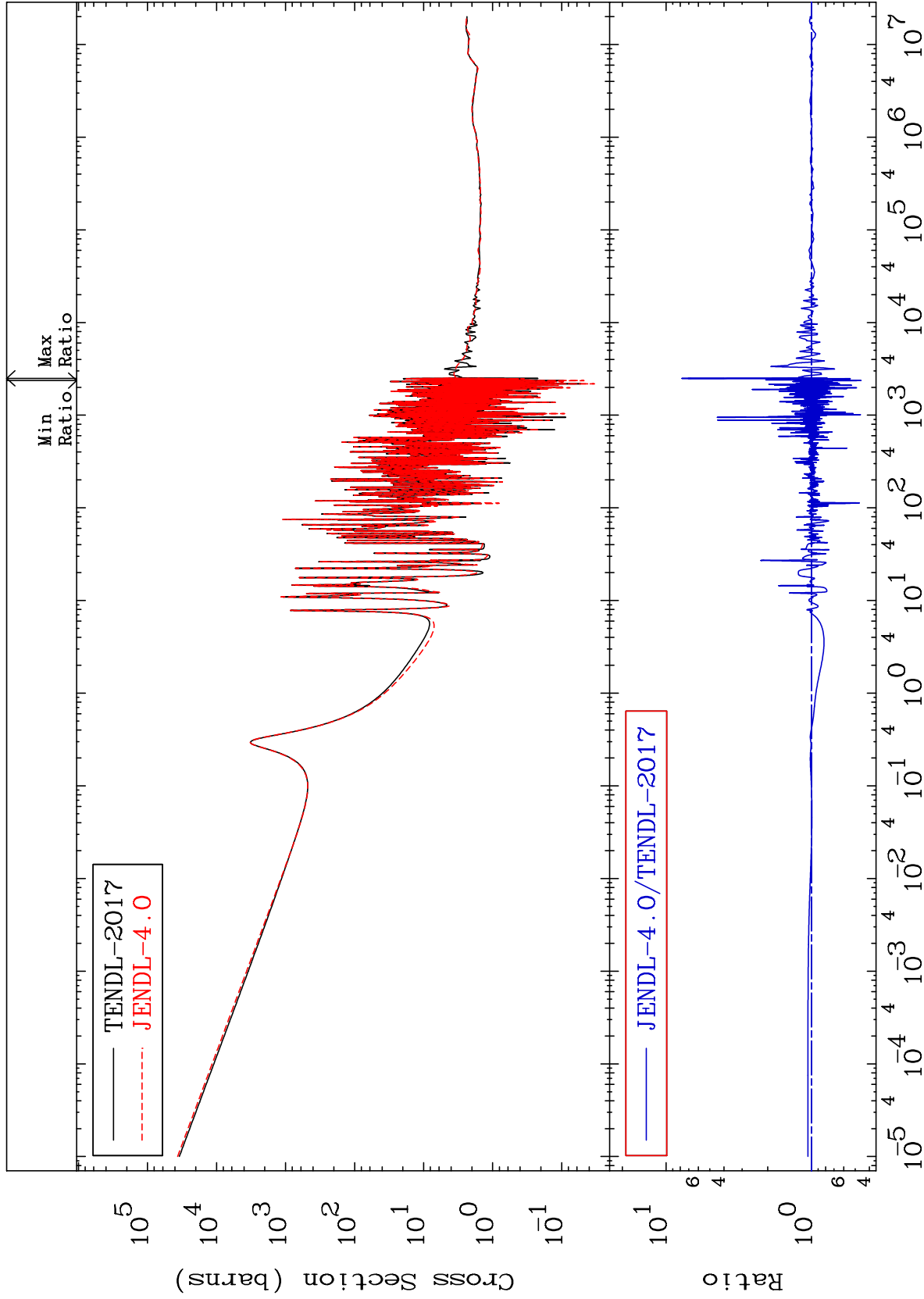
94-Pu-239



MAT 9437

Fission  
Cross Section

94-Pu-239  
-54.21 To 678.7 %



6

Incident Energy (eV)

94-Pu-239

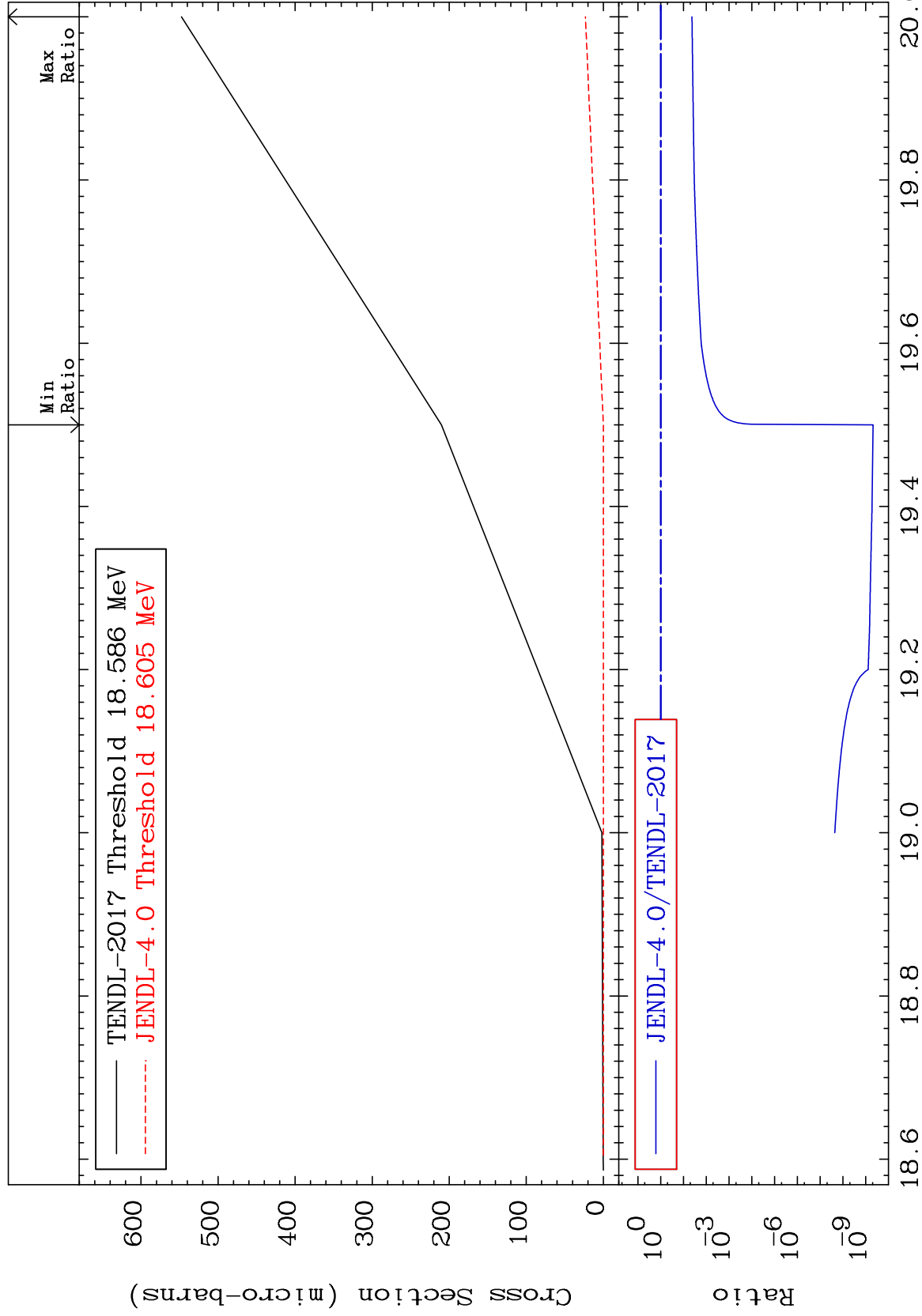
MAT 9437

(n, 4n)

94-Pu-239

Cross Section

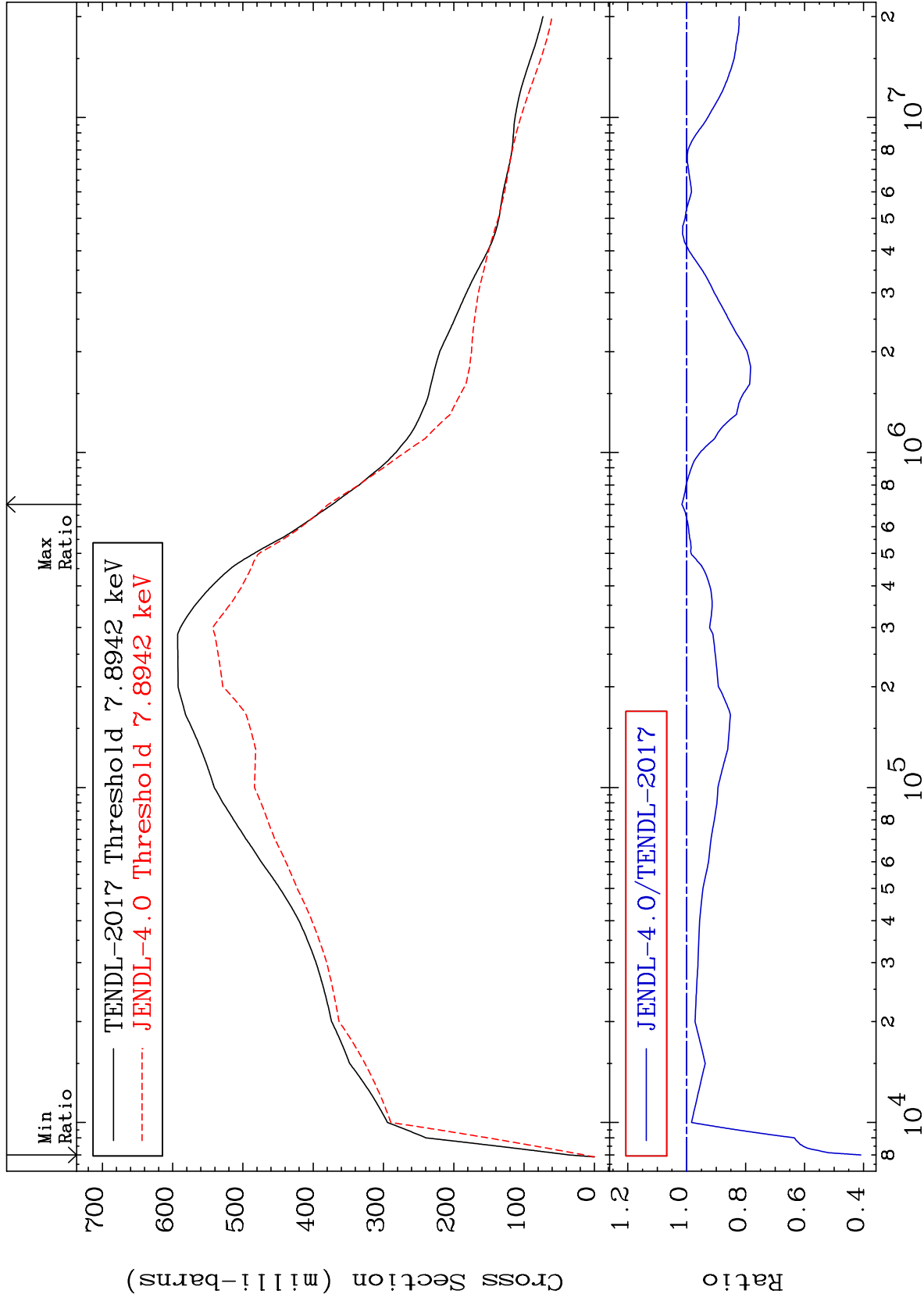
-100.0 To -95.77%



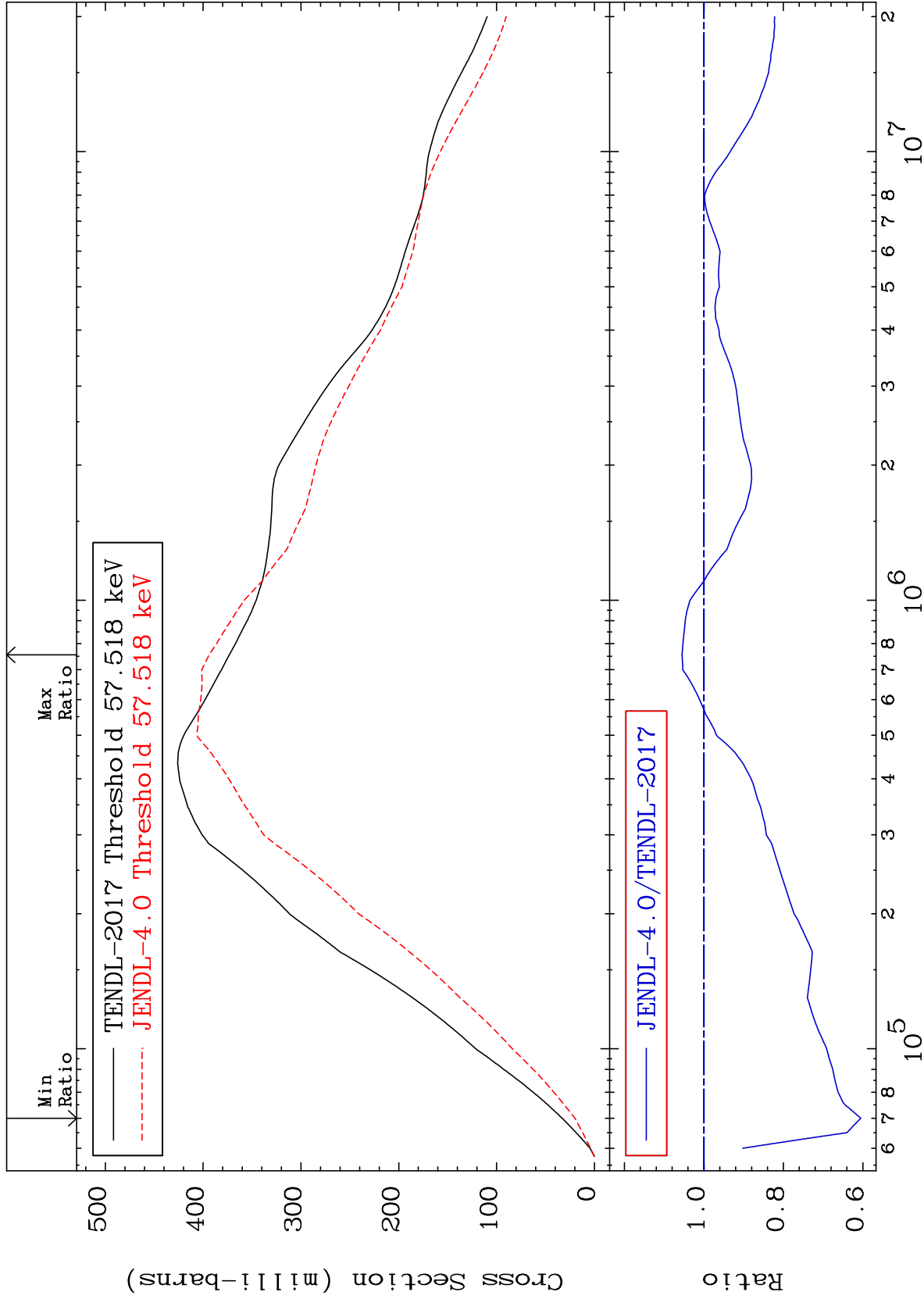
MAT 9437

7.861 keV (n,n') Level  
Cross Section

94-Pu-239  
-59.07 To 1.615 %

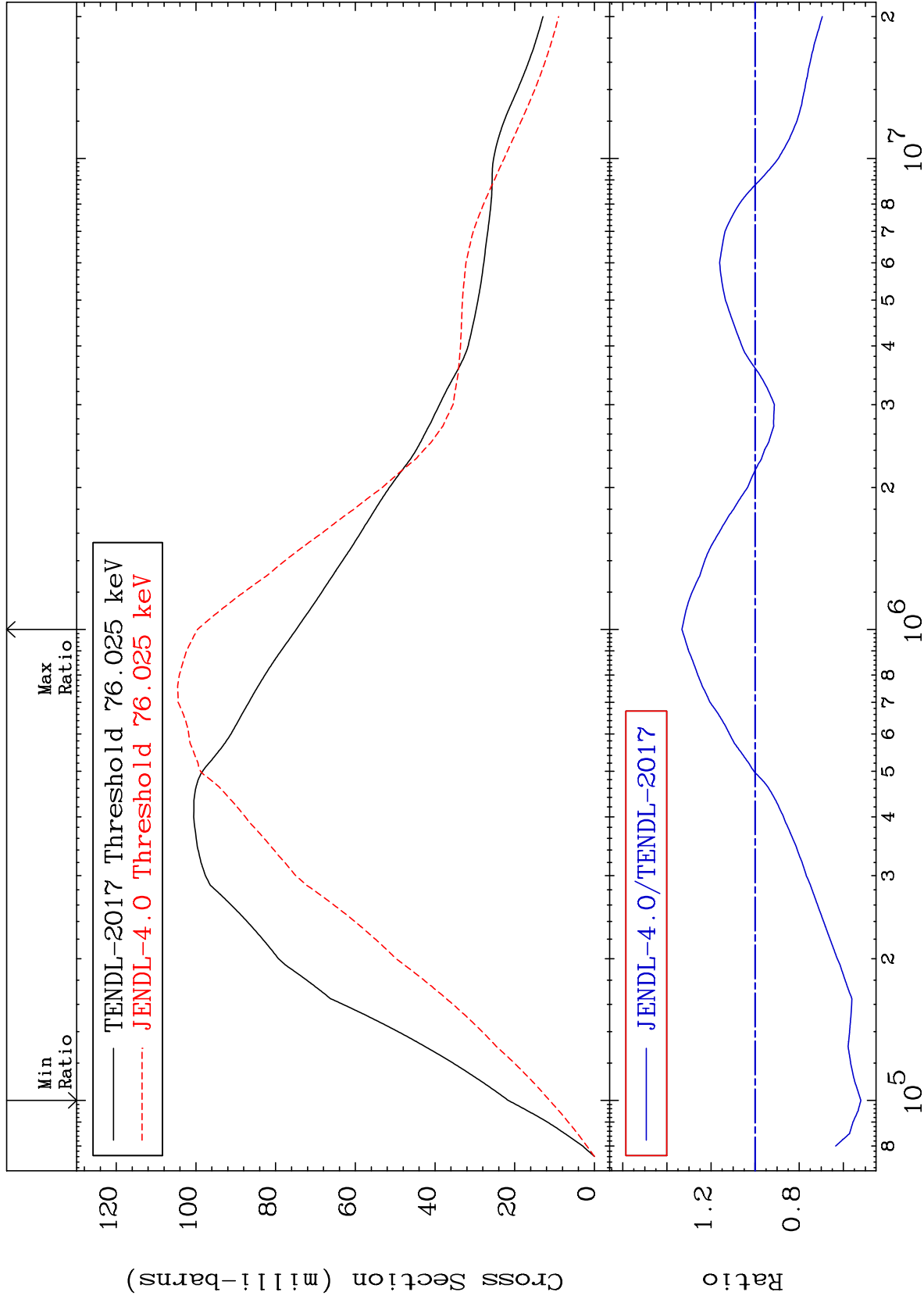


MAT 9437 57.28 keV (n,n') Level -39.49 To 5.523 % 94-Pu-239  
 Cross Section



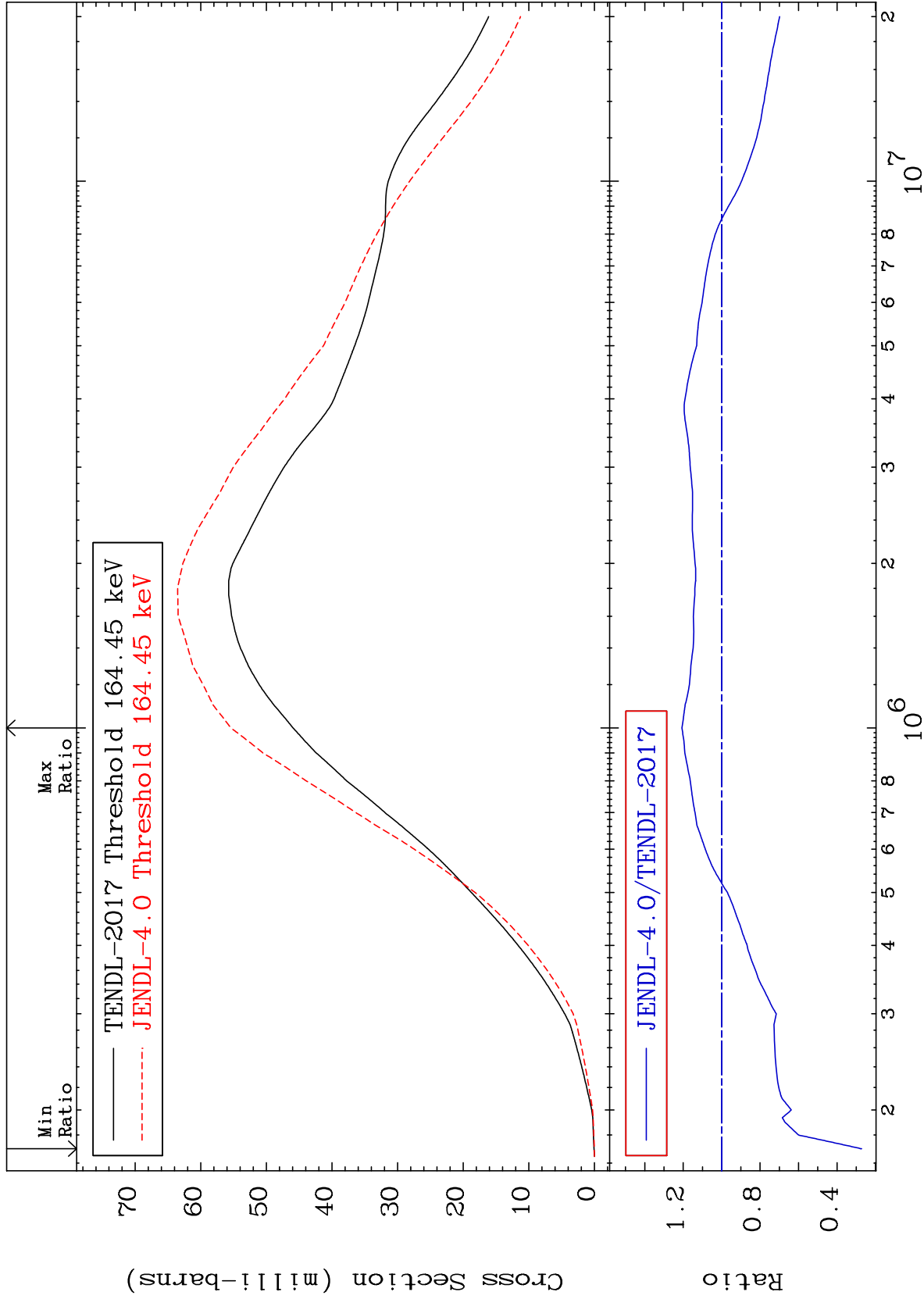
9 94-Pu-239

MAT 9437 75.71 keV (n,n') Level -47.93 To 33.17 % 94-Pu-239  
Cross Section

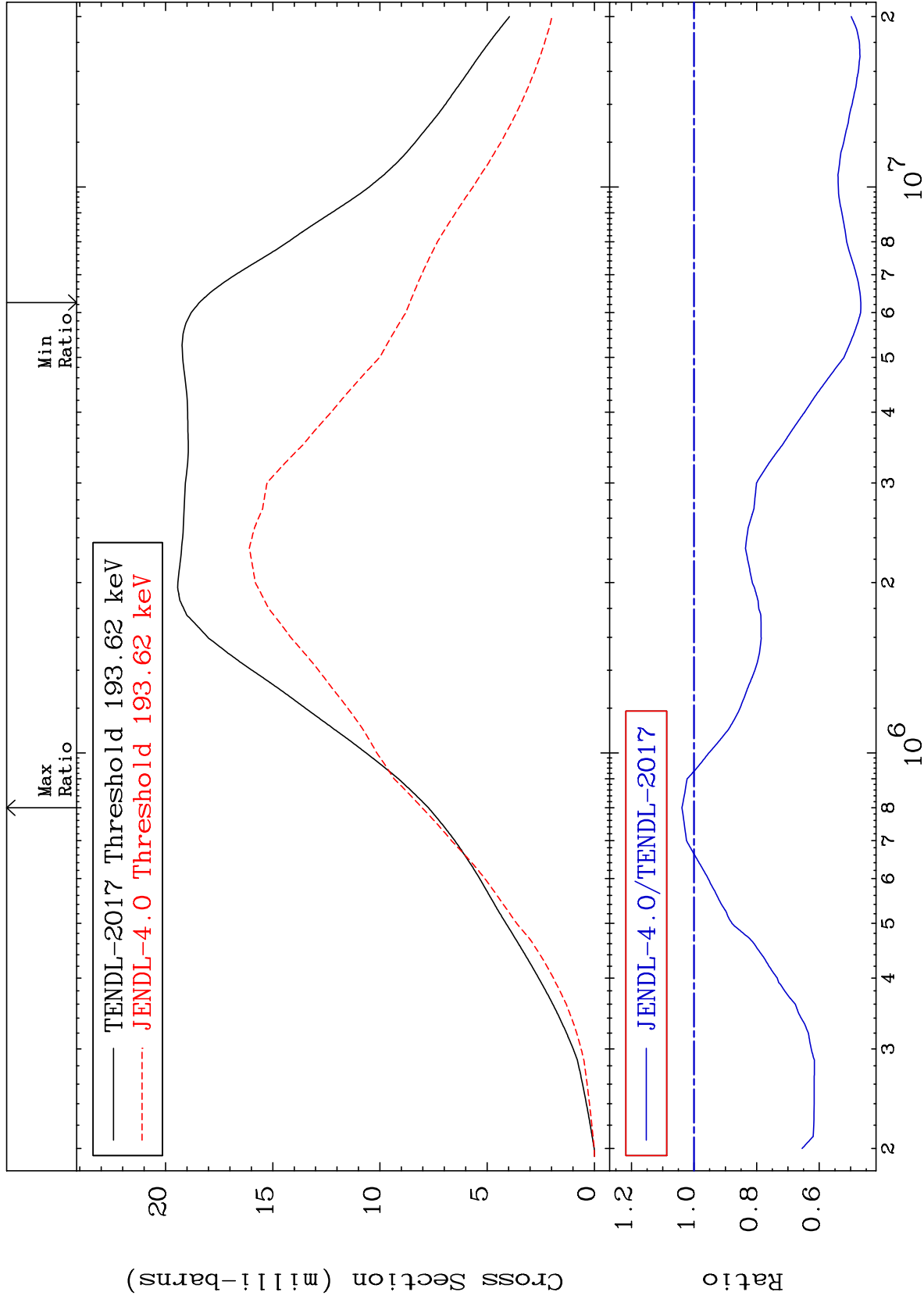


10 8 10<sup>5</sup> 2 3 4 5 6 7 8 10<sup>6</sup> 2 3 4 5 6 7 8 10<sup>7</sup> 2 94-Pu-239

MAT 9437 163.8 keV (n,n') Level -72.39 To 20.65 % 94-Pu-239  
 Cross Section



MAT 9437 192.8 keV (n,n') Level Cross Section 94-Pu-239 -53.27 To 3.862 %

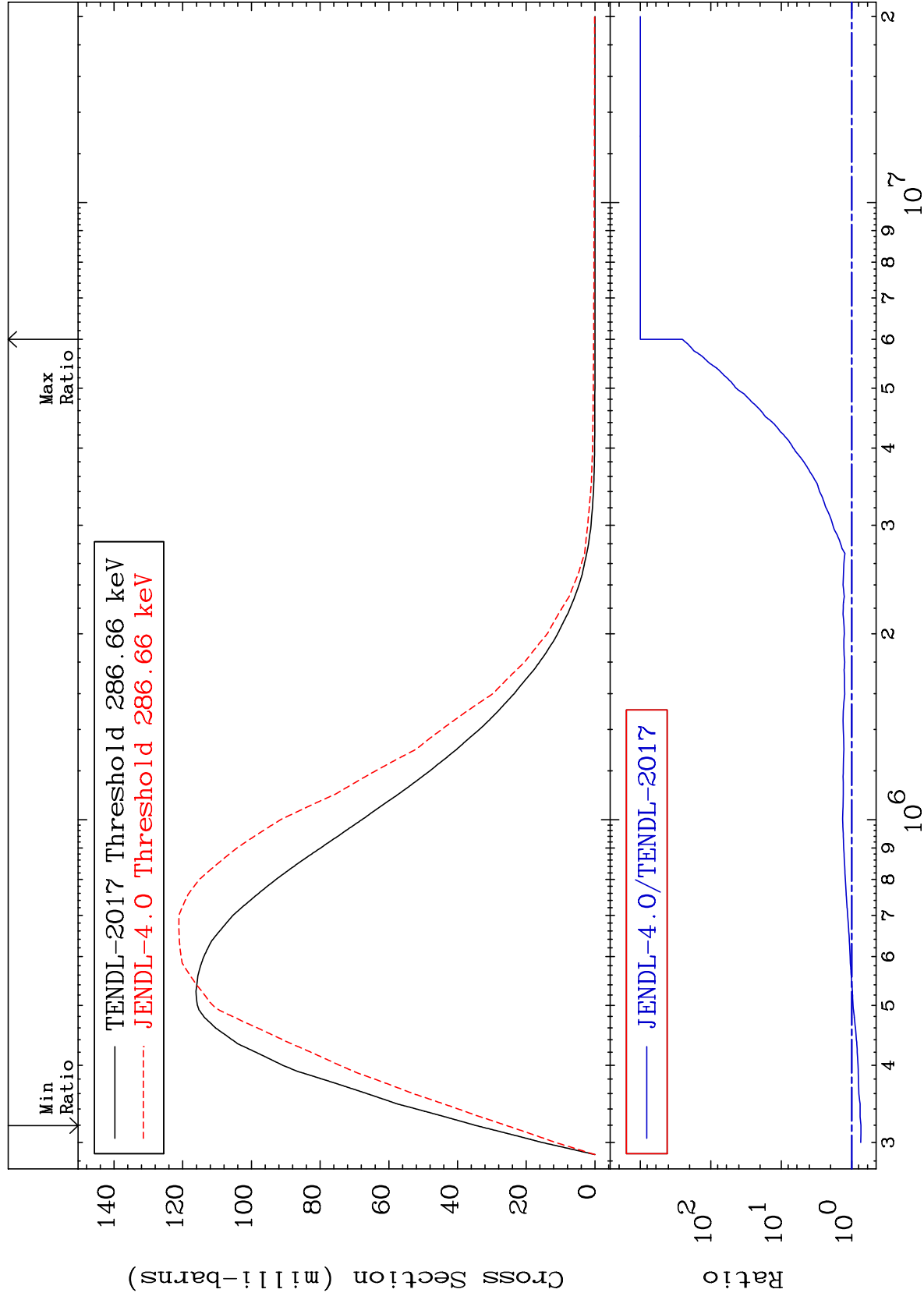


12 94-Pu-239

MAT 9437

285.5 keV (n,n') Level  
Cross Section

94-Pu-239  
-25.65 To 9999. %

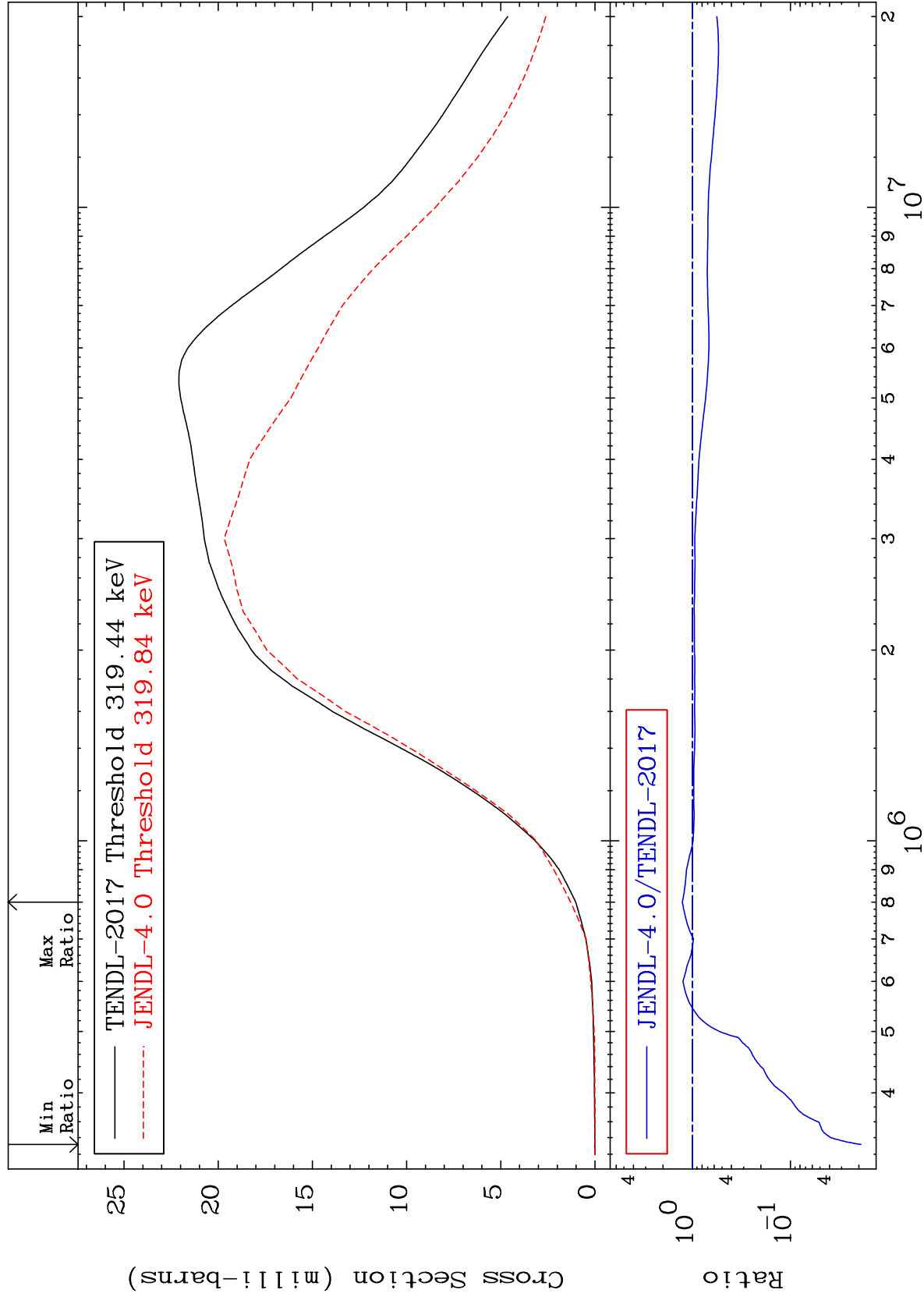




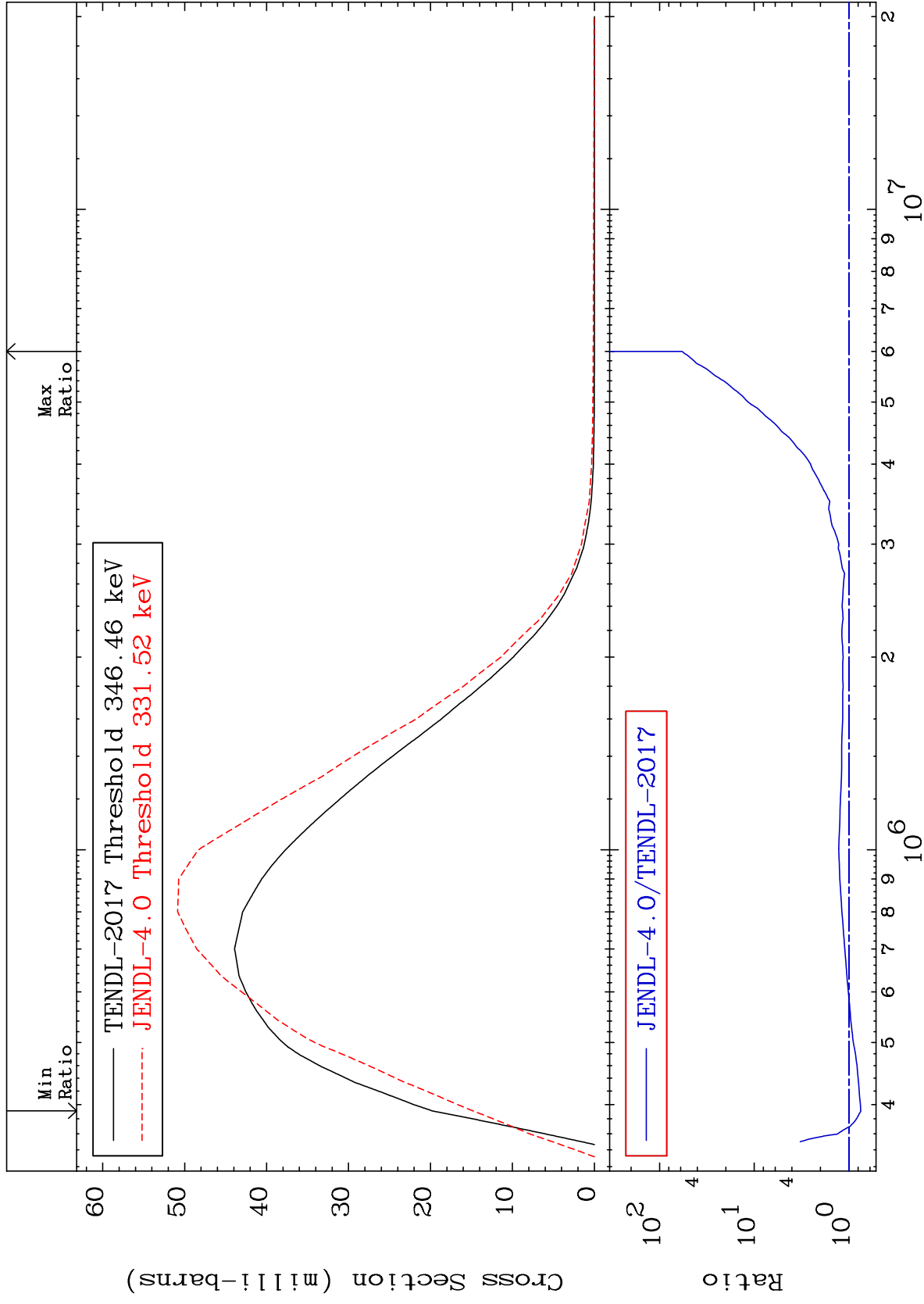
MAT 9437

318.1 keV (n,n') Level  
Cross Section

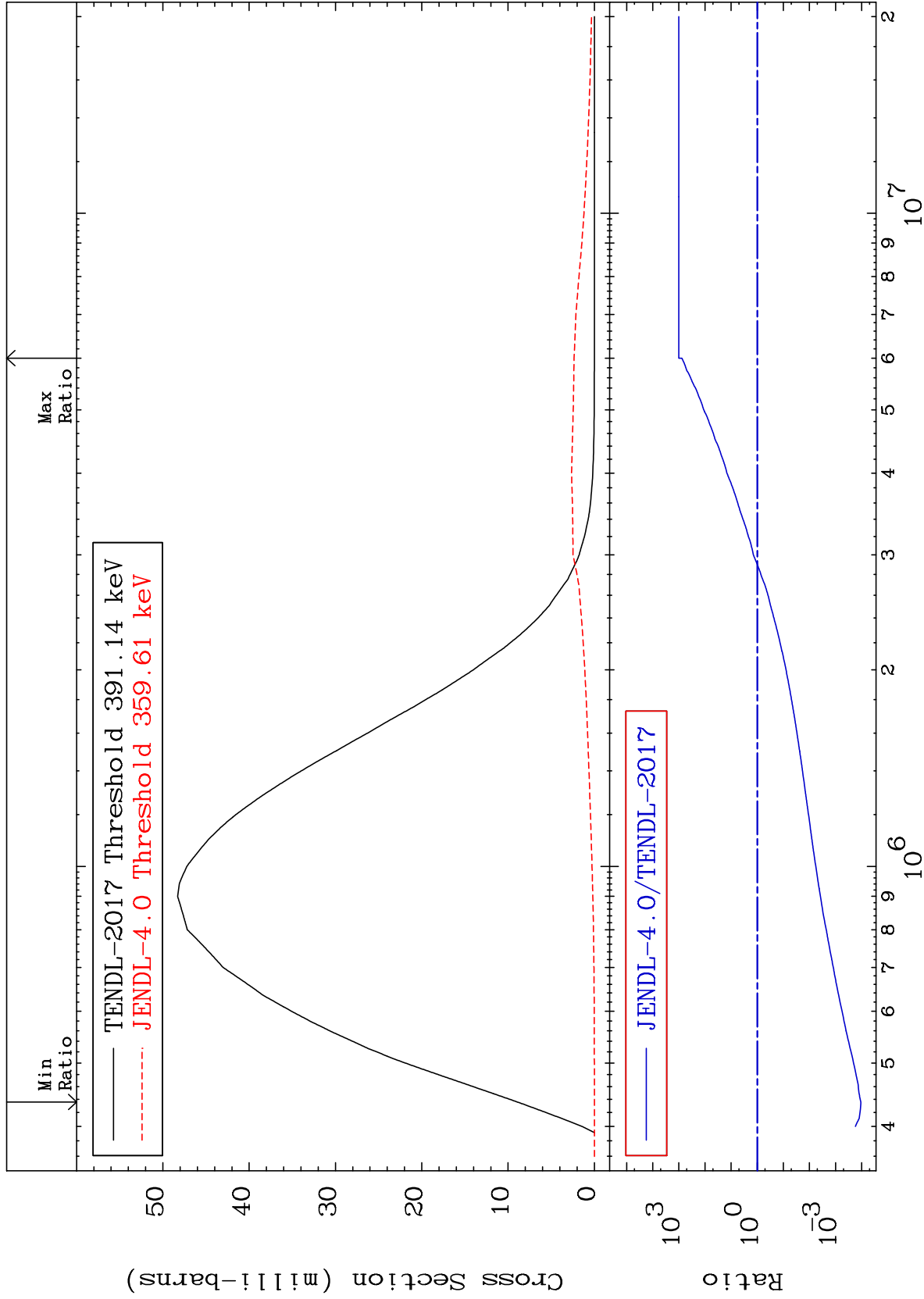
94-Pu-239  
-98.09 To 26.81 %



MAT 9437 345.0 keV (n,n') Level -25.14 To 5704. % 94-Pu-239

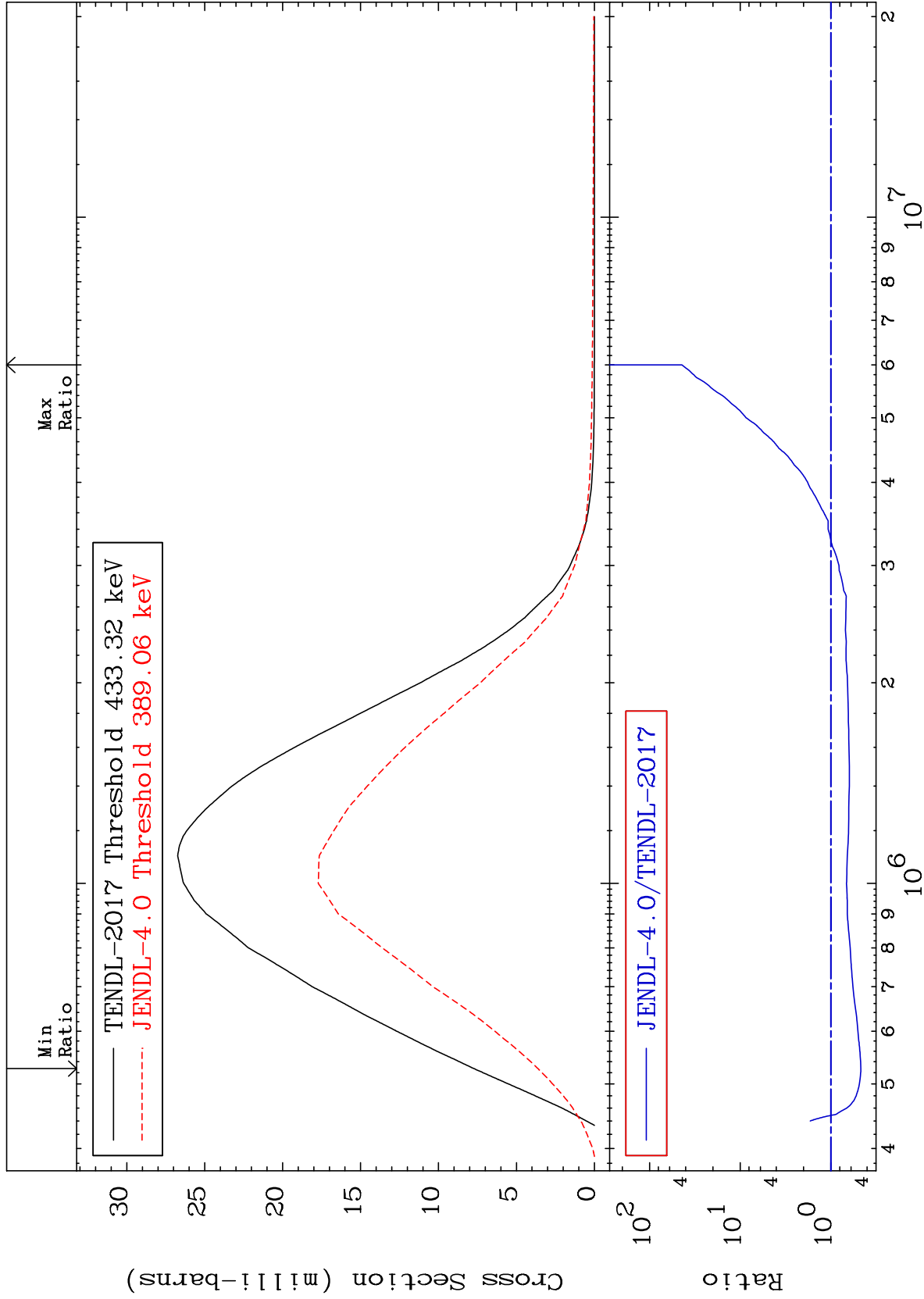


MAT 9437 389.5 keV (n,n') Level Cross Section 94-Pu-239 -99.99 To 9999. %

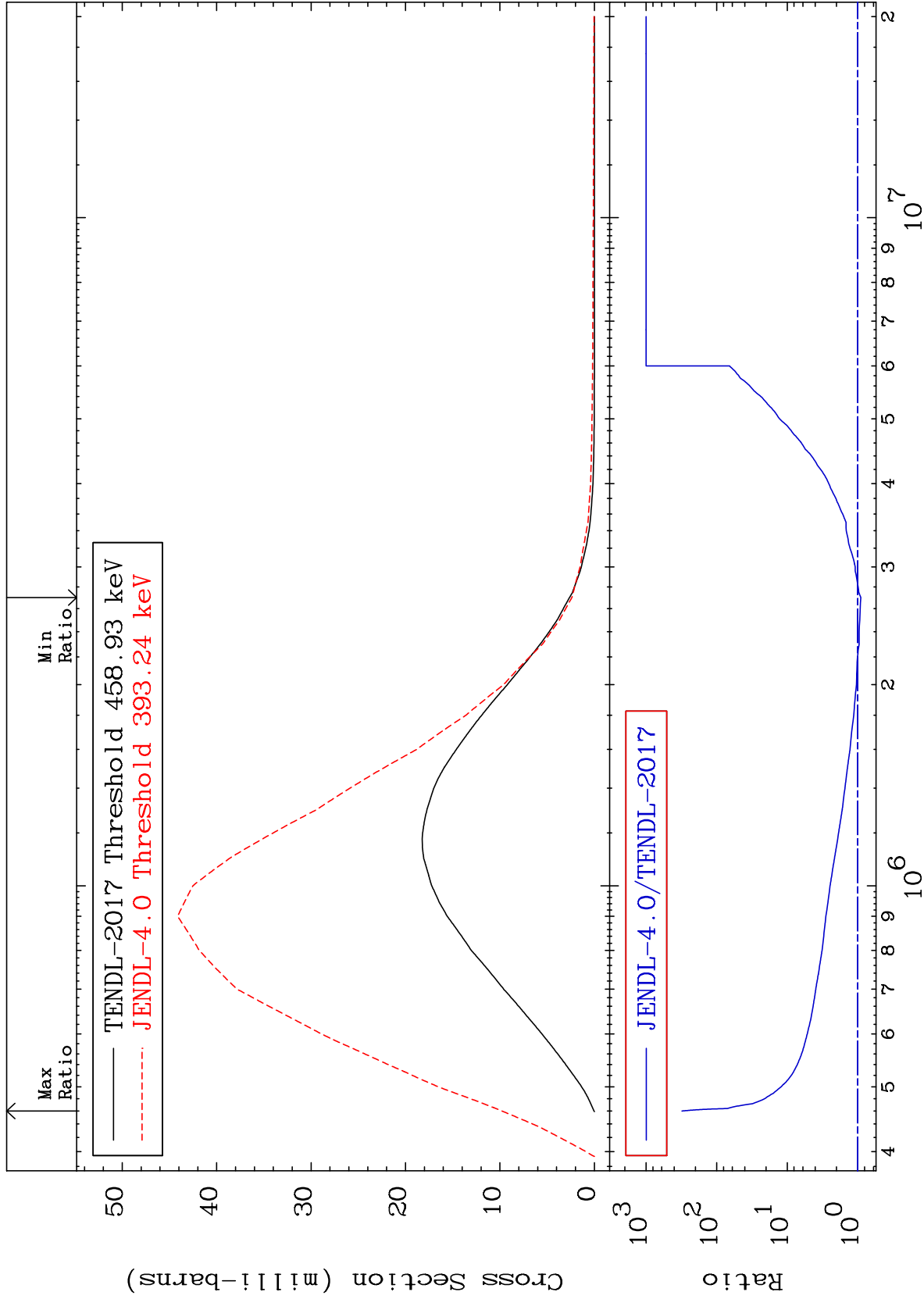


16 94-Pu-239

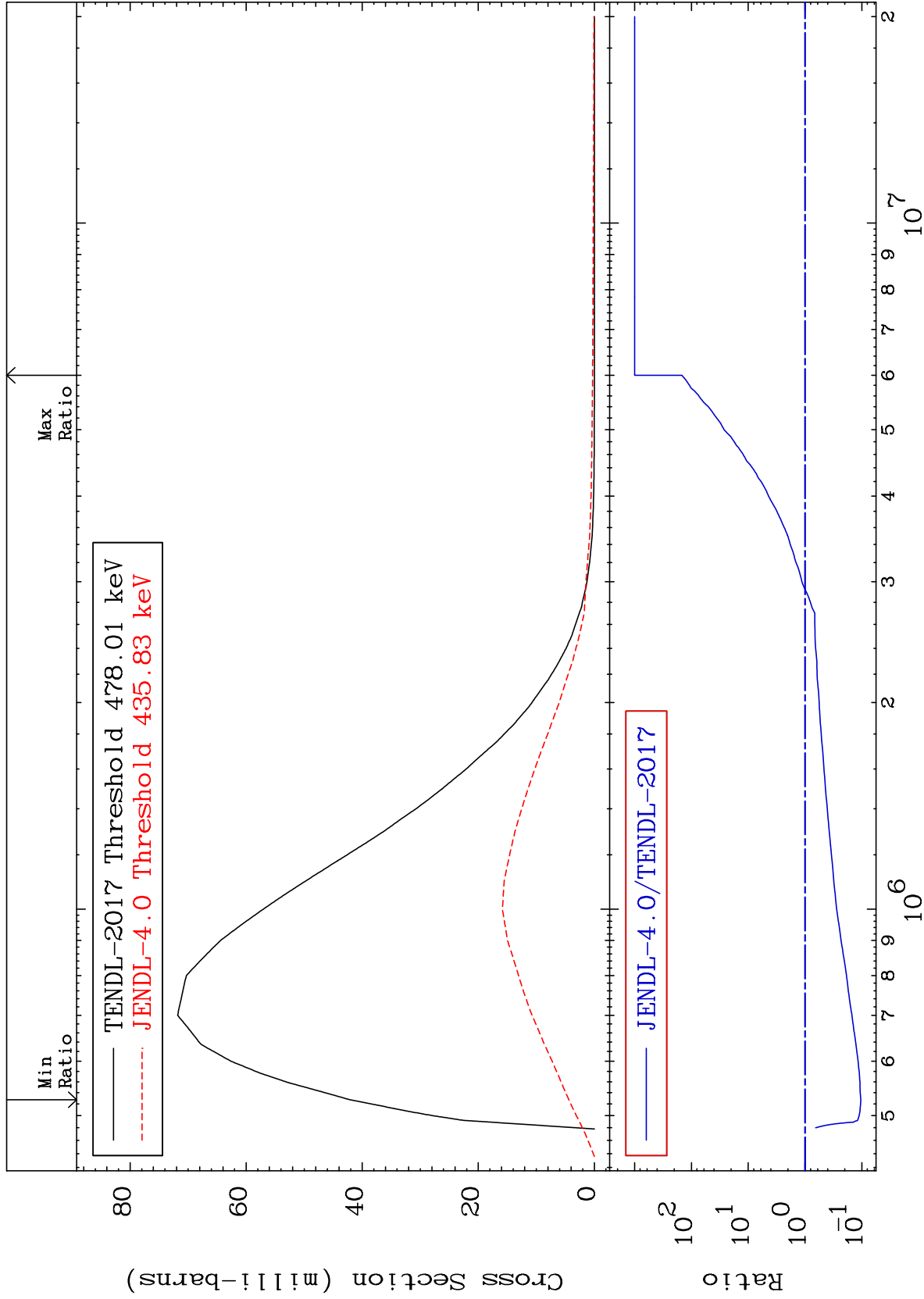
MAT 9437 431.5 keV (n,n') Level Cross Section 94-Pu-239 -53.20 To 4294. %



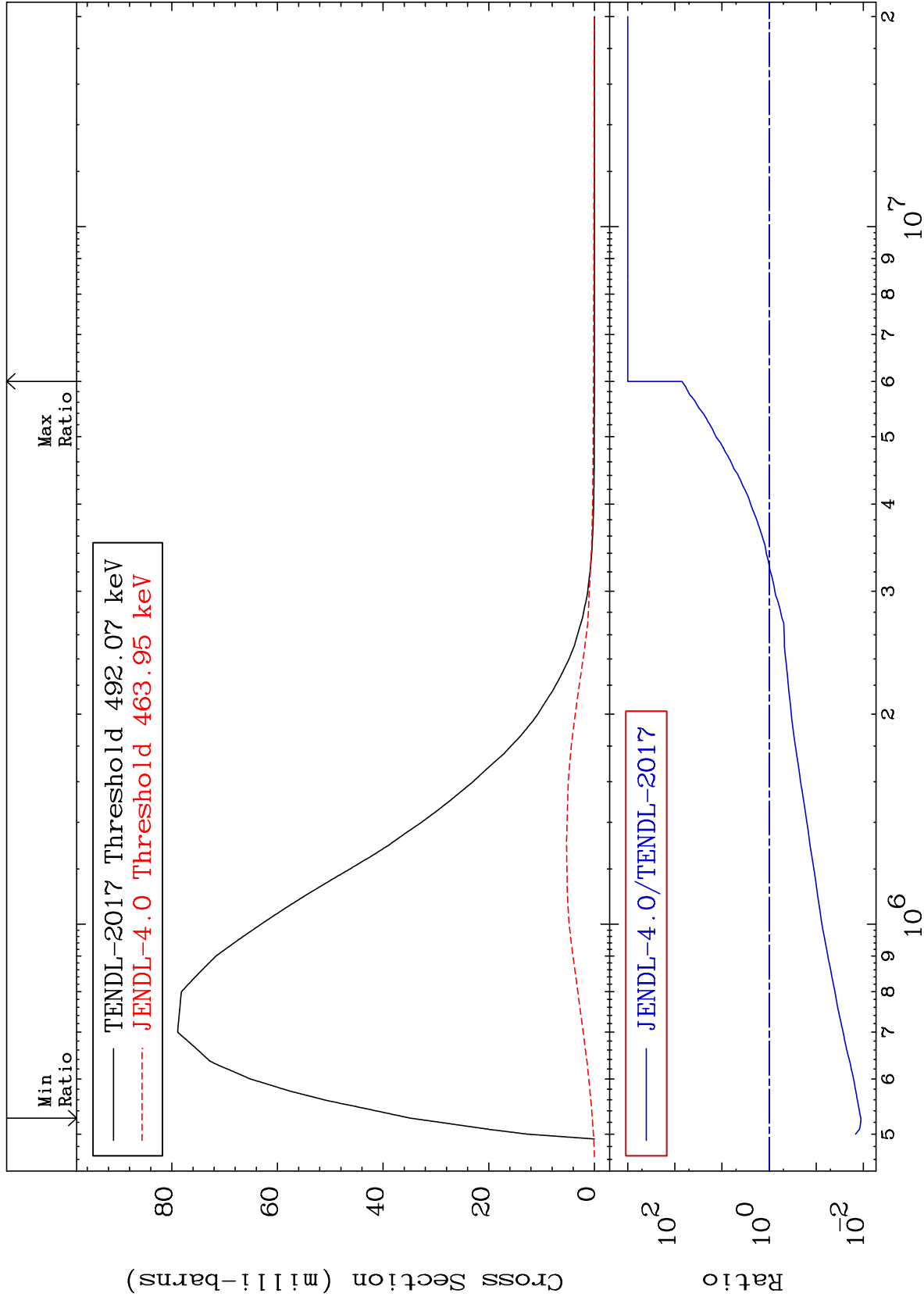
MAT 9437 457.0 keV (n,n') Level -9.472 To 9999. % 94-Pu-239  
 Cross Section



MAT 9437 476.0 keV (n,n') Level -89.58 To 9999. % 94-Pu-239



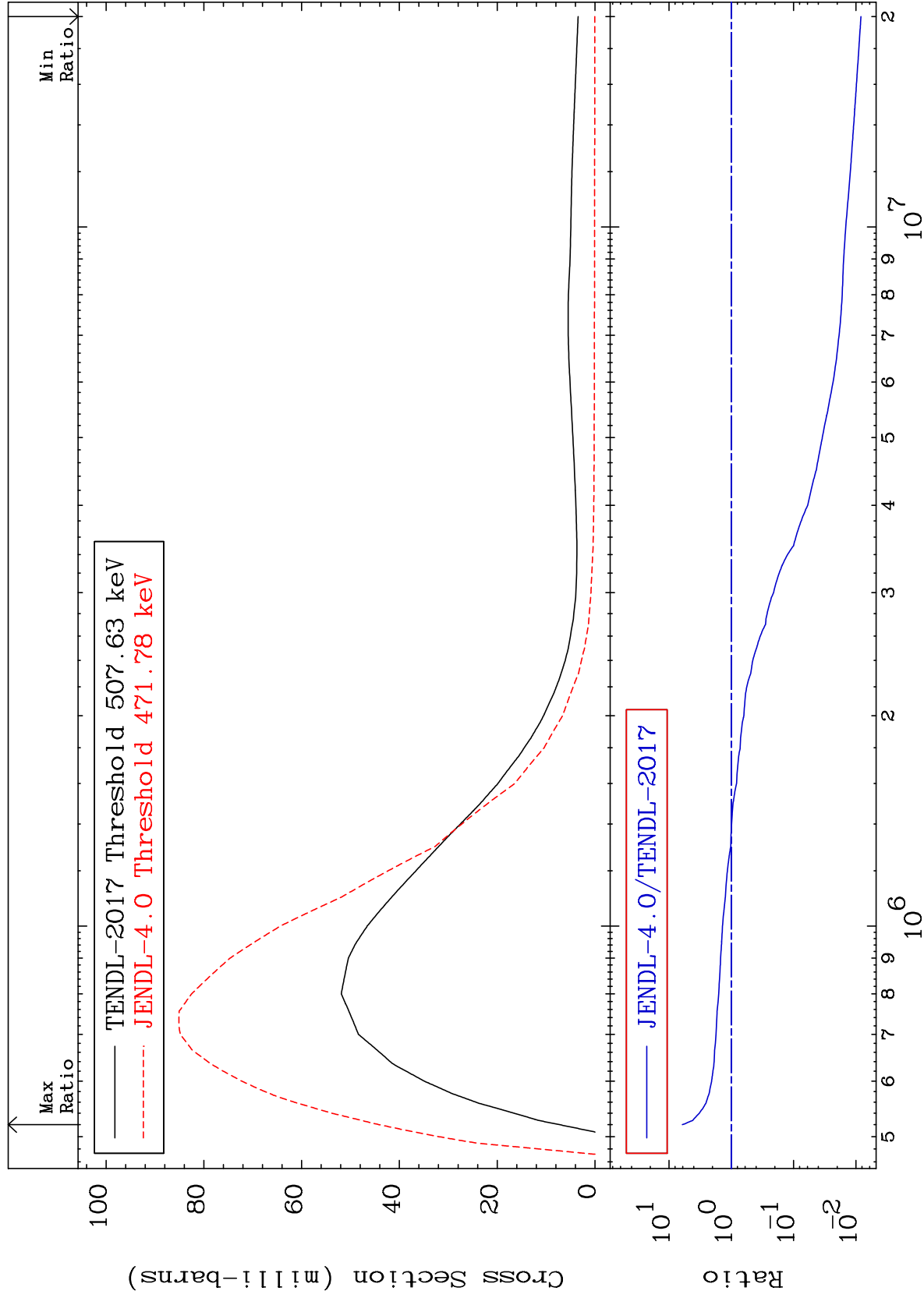
MAT 9437 490.0 keV (n,n') Level -98.87 To 6957. % 94-Pu-239



MAT 9437

505.5 keV (n,n') Level  
Cross Section

94-Pu-239  
-99.17 To 510.0 %

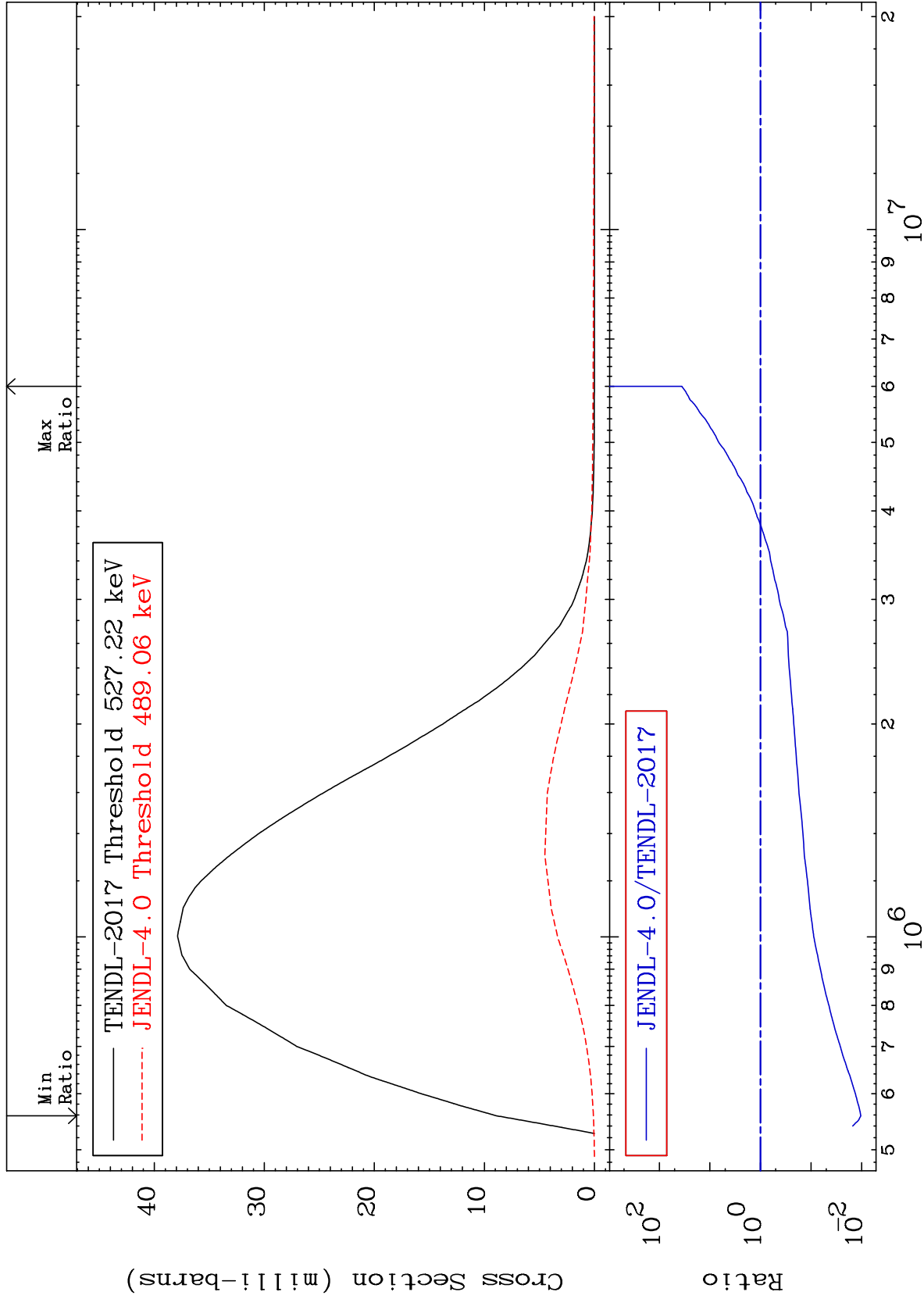




MAT 9437

525.0 keV (n,n') Level  
Cross Section

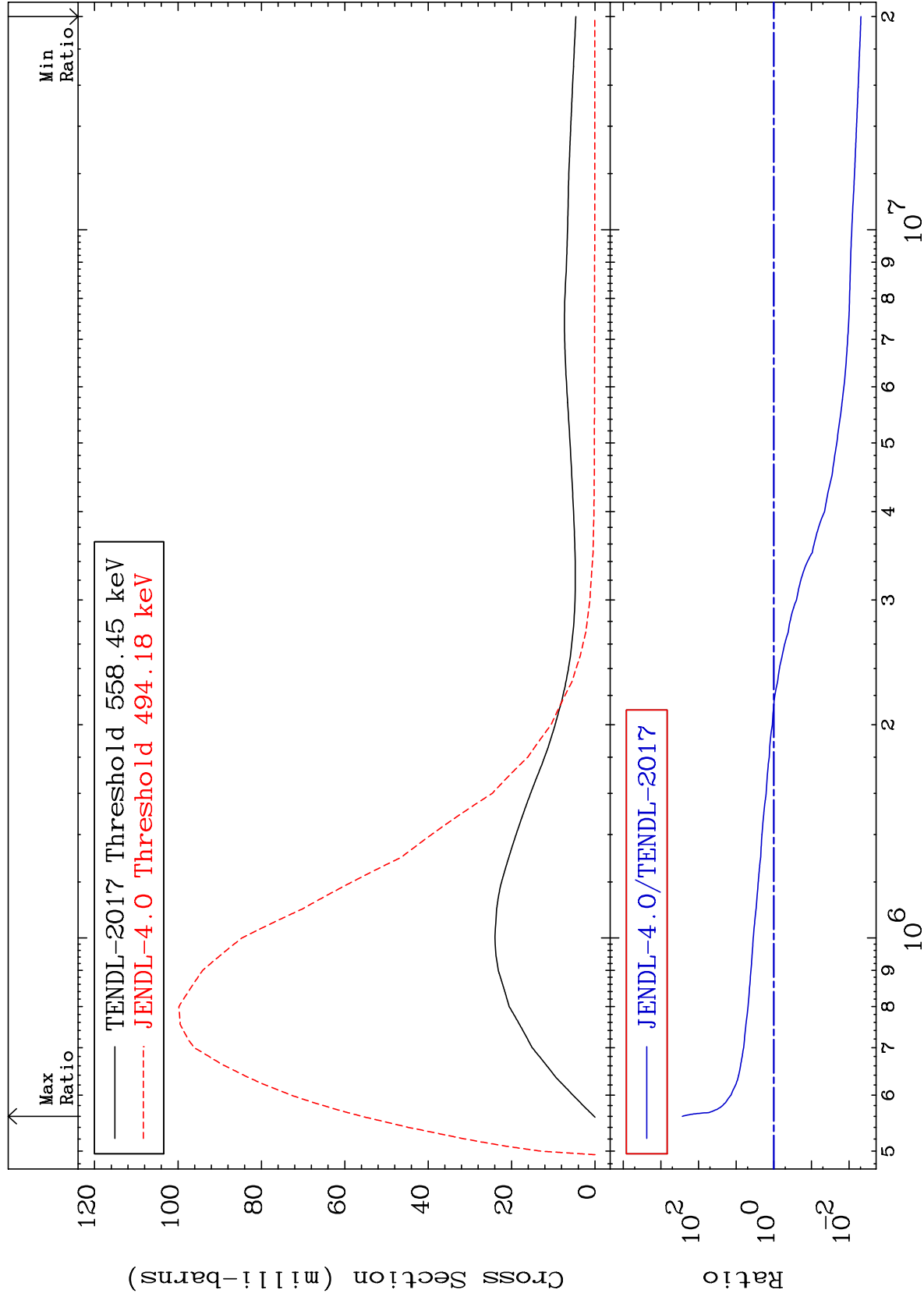
94-Pu-239  
-98.96 To 3471. %



MAT 9437

556.1 keV (n,n') Level  
Cross Section

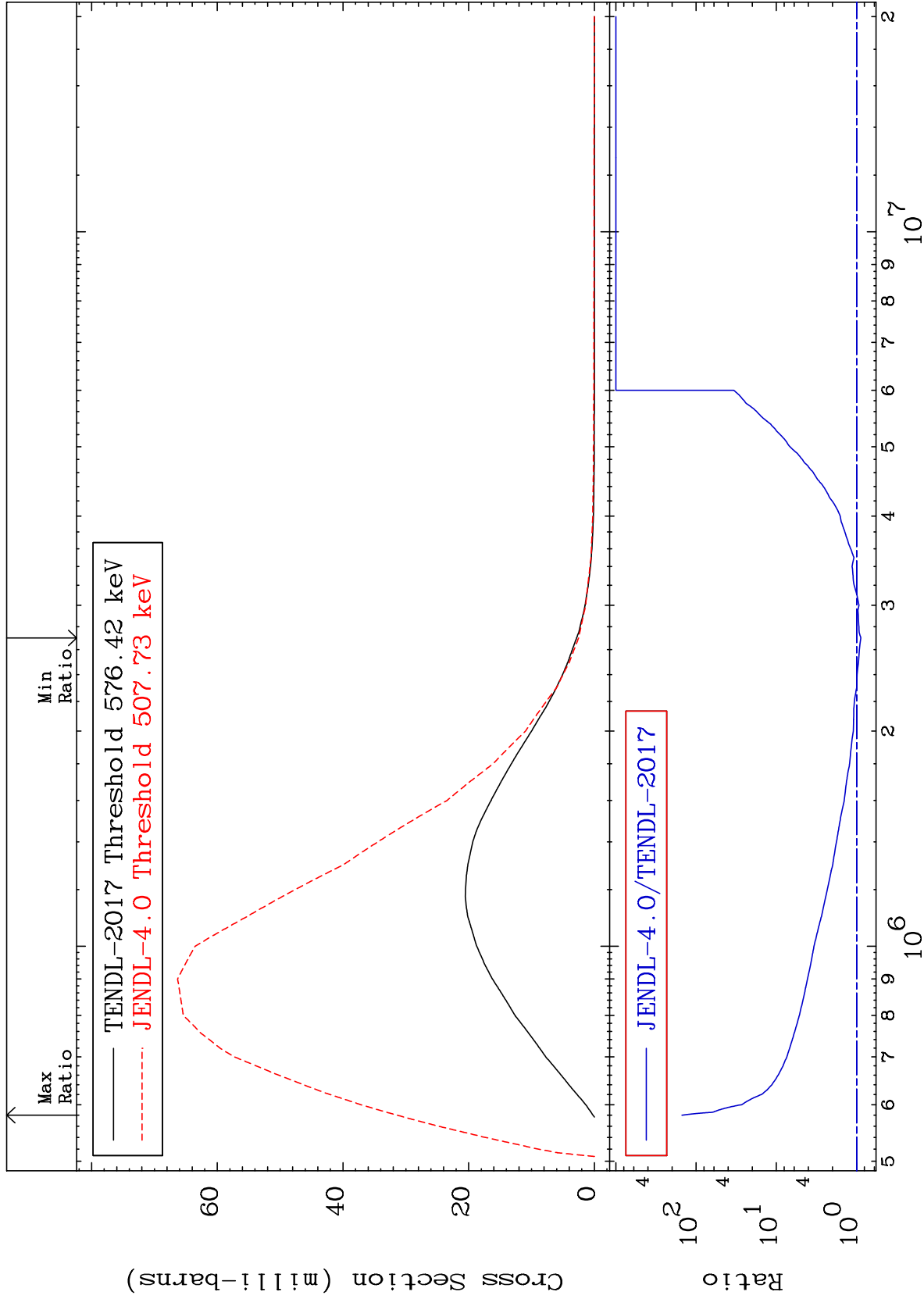
94-Pu-239  
-99.52 To 9999. %



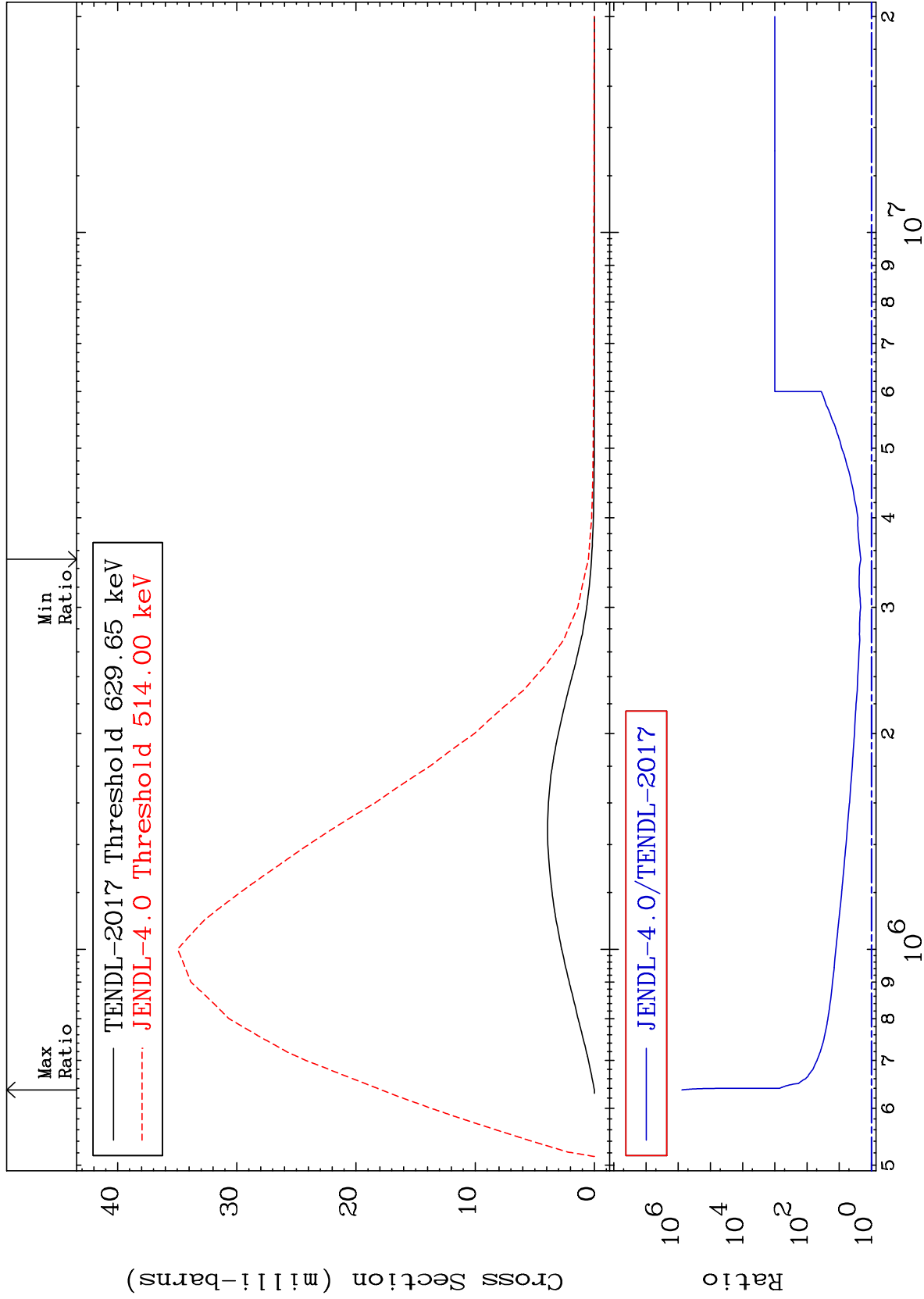
MAT 9437

574.0 keV (n,n') Level  
Cross Section

94-Pu-239  
-11.52 To 9999. %



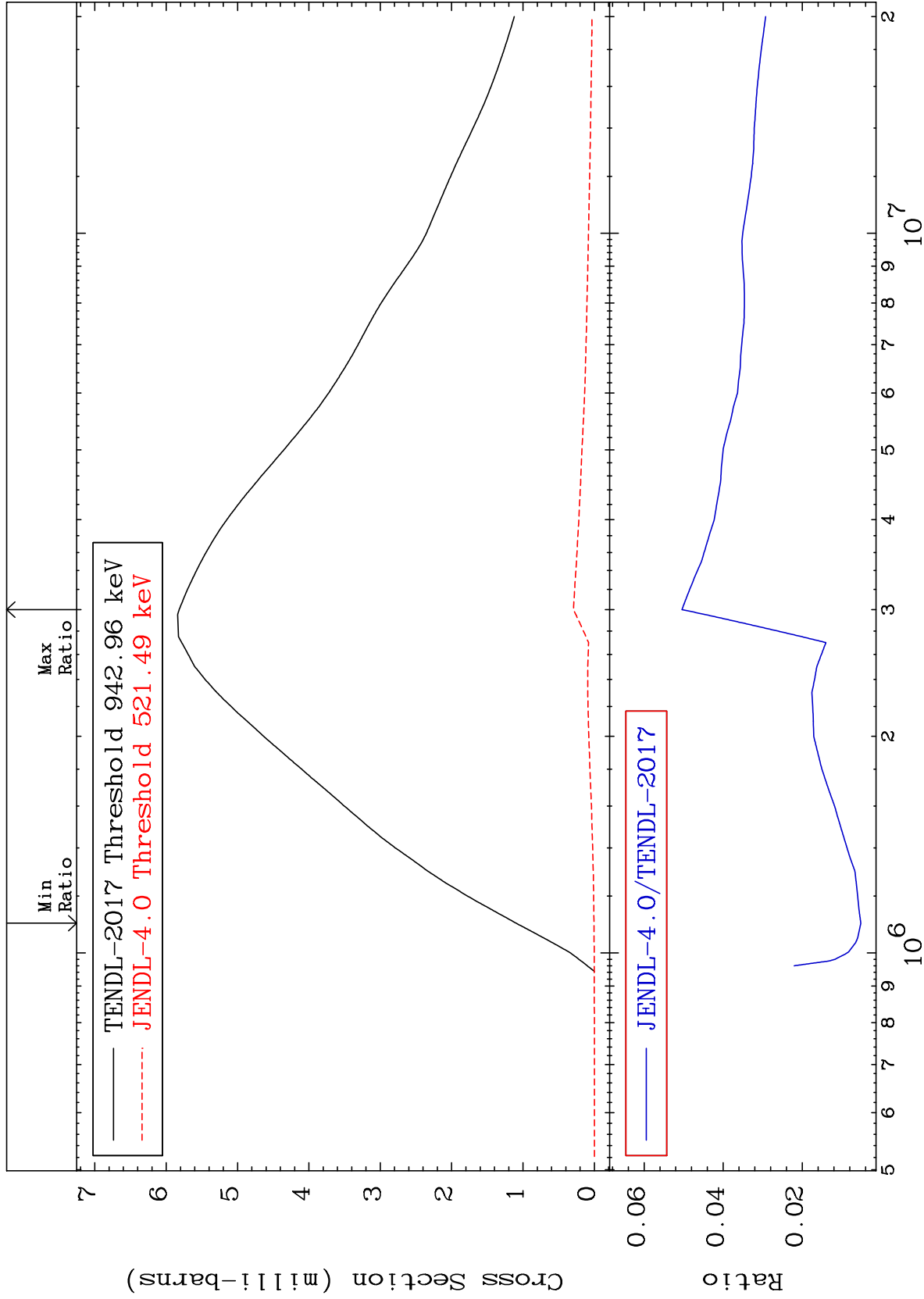
MAT 9437 627.0 keV (n,n') Level Cross Section 94-Pu-239 112.2 To 9999. %



MAT 9437

939.0 keV (n,n') Level  
Cross Section

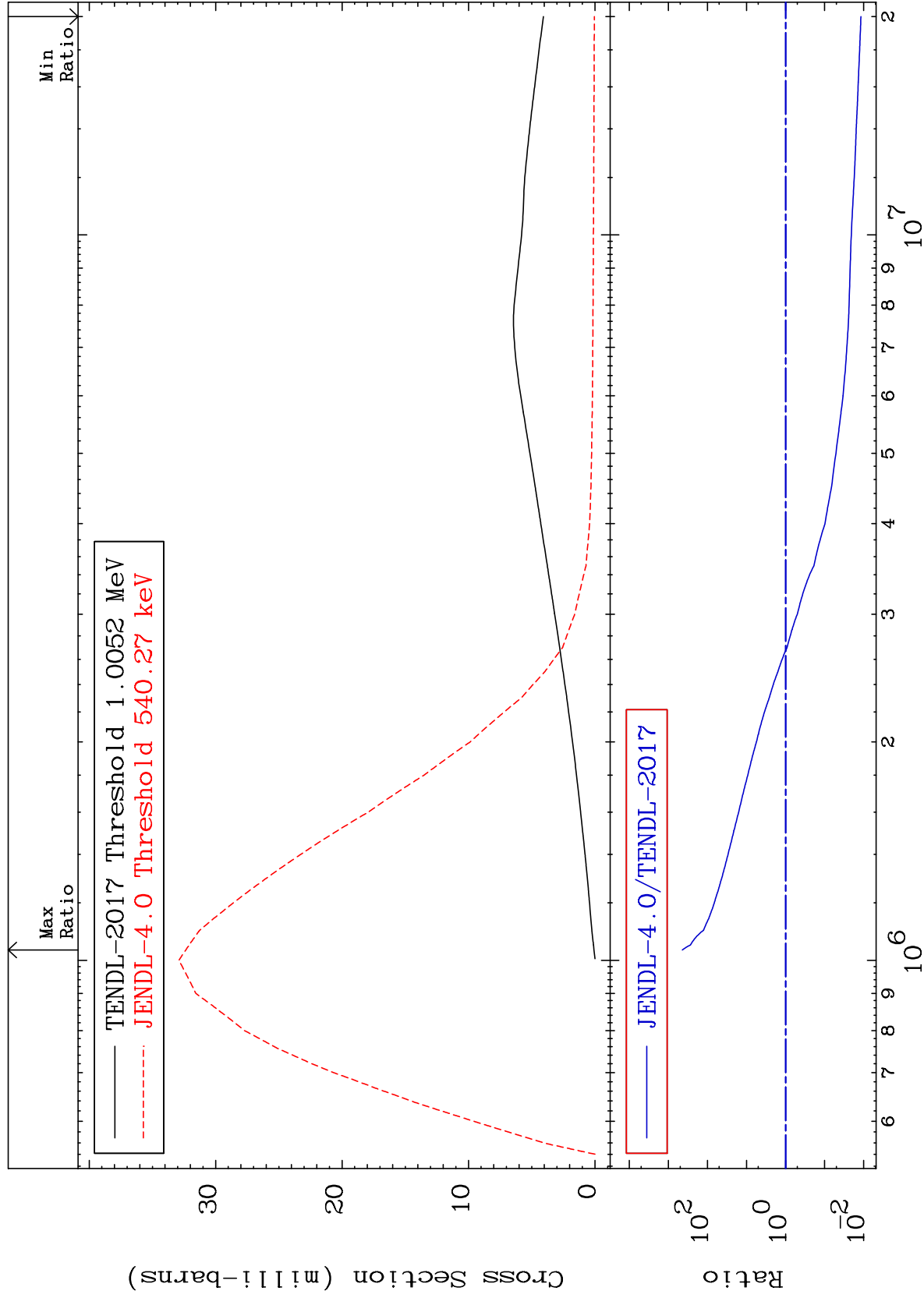
94-Pu-239  
-99.48 To -94.96%



MAT 9437

1.001 MeV (n,n') Level  
Cross Section

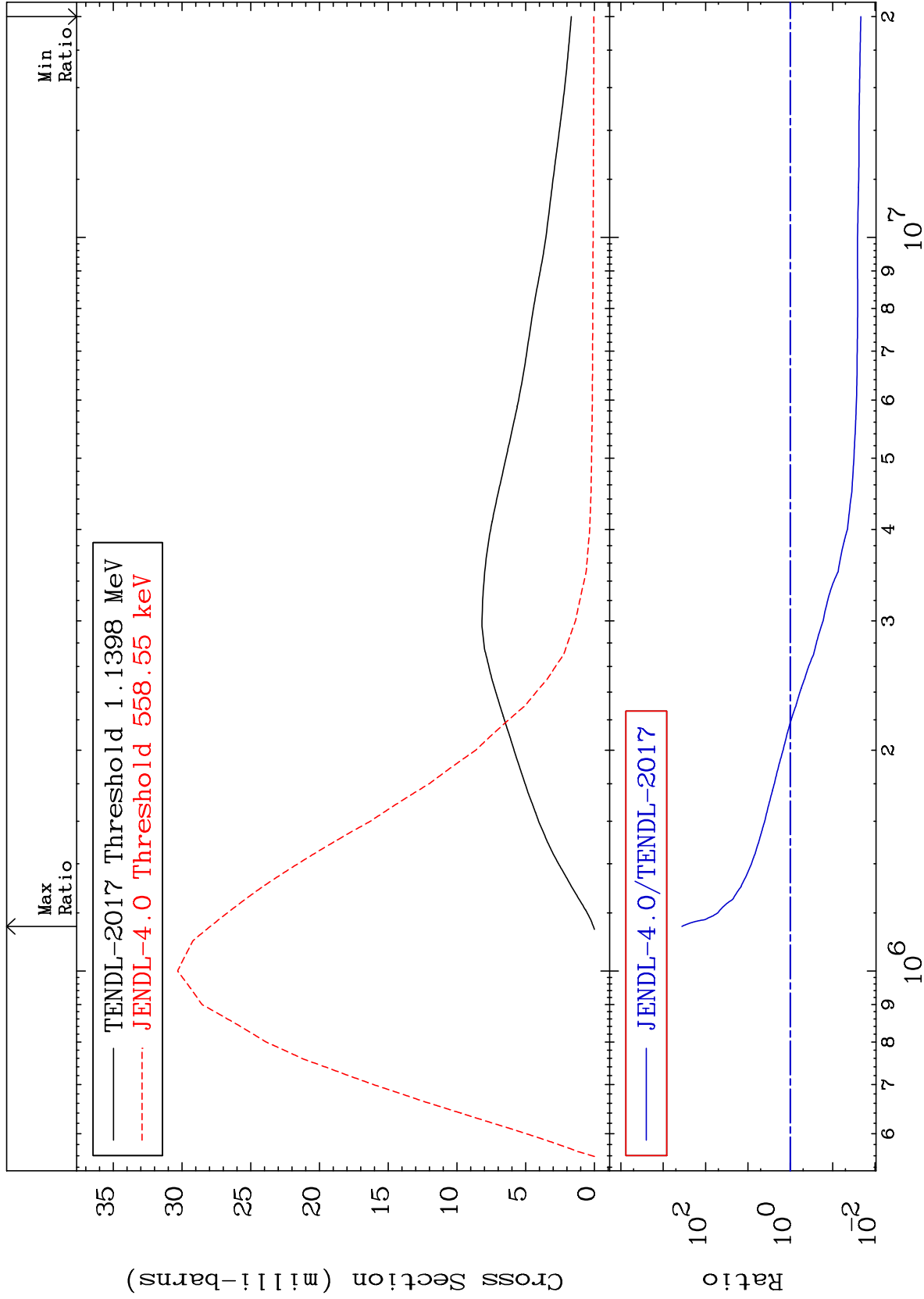
94-Pu-239  
-98.82 To 9999. %



MAT 9437

1.135 MeV (n,n') Level  
Cross Section

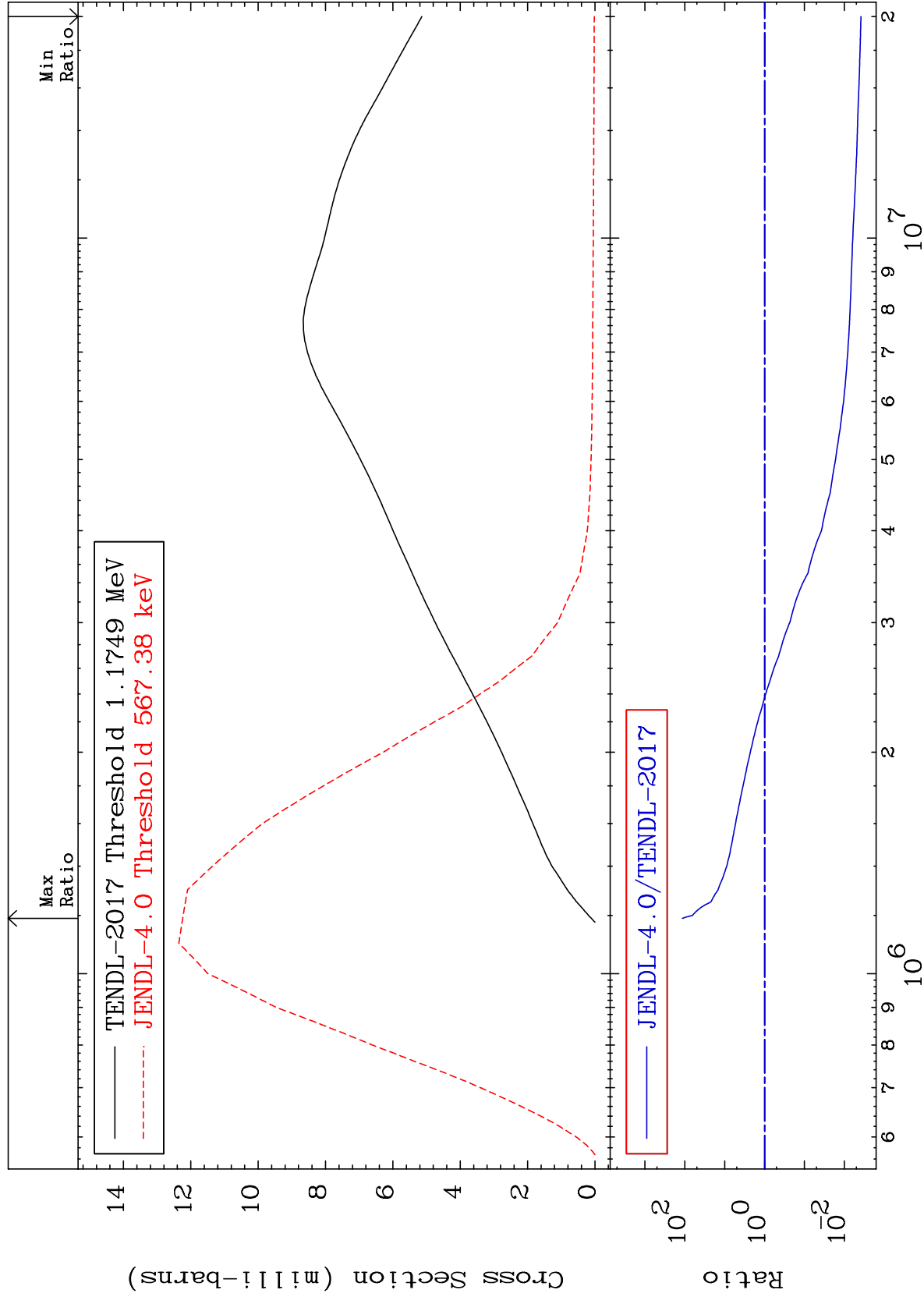
94-Pu-239  
-97.84 To 9999. %



MAT 9437

1.170 MeV (n,n') Level  
Cross Section

94-Pu-239  
-99.62 To 9999. %

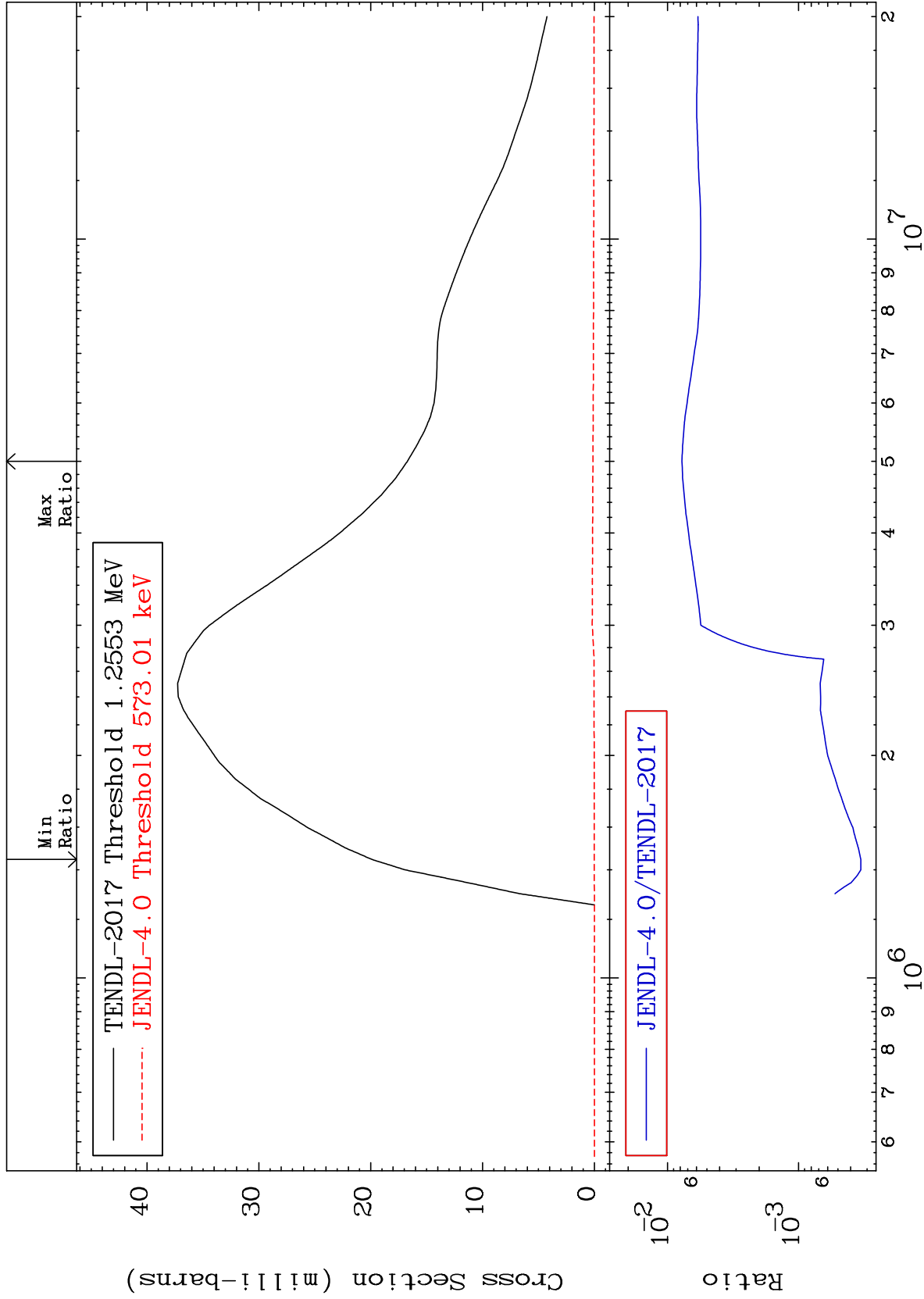




MAT 9437

1.250 MeV (n,n') Level  
Cross Section

94-Pu-239  
-99.97 To -99.22%



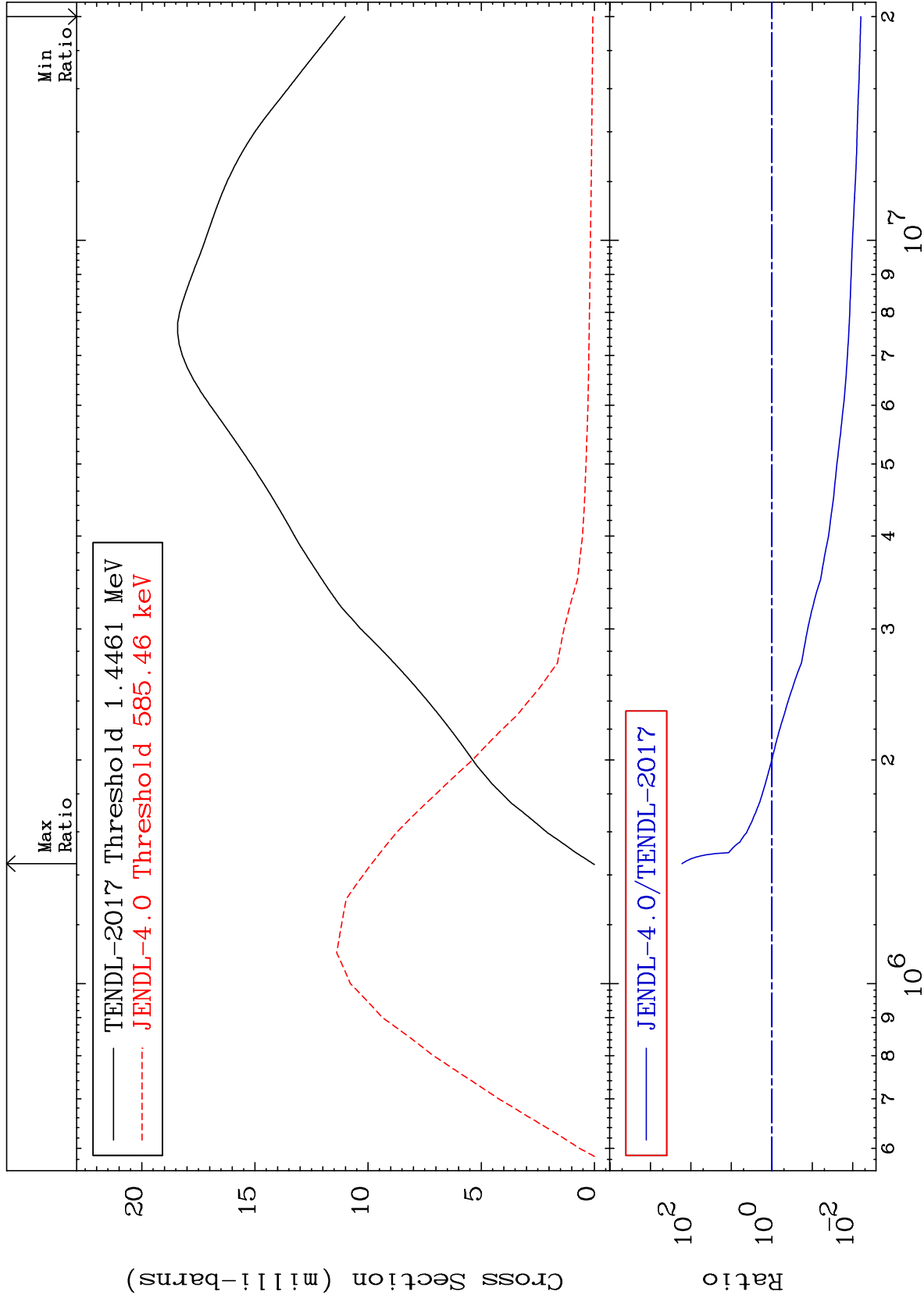
30

94-Pu-239

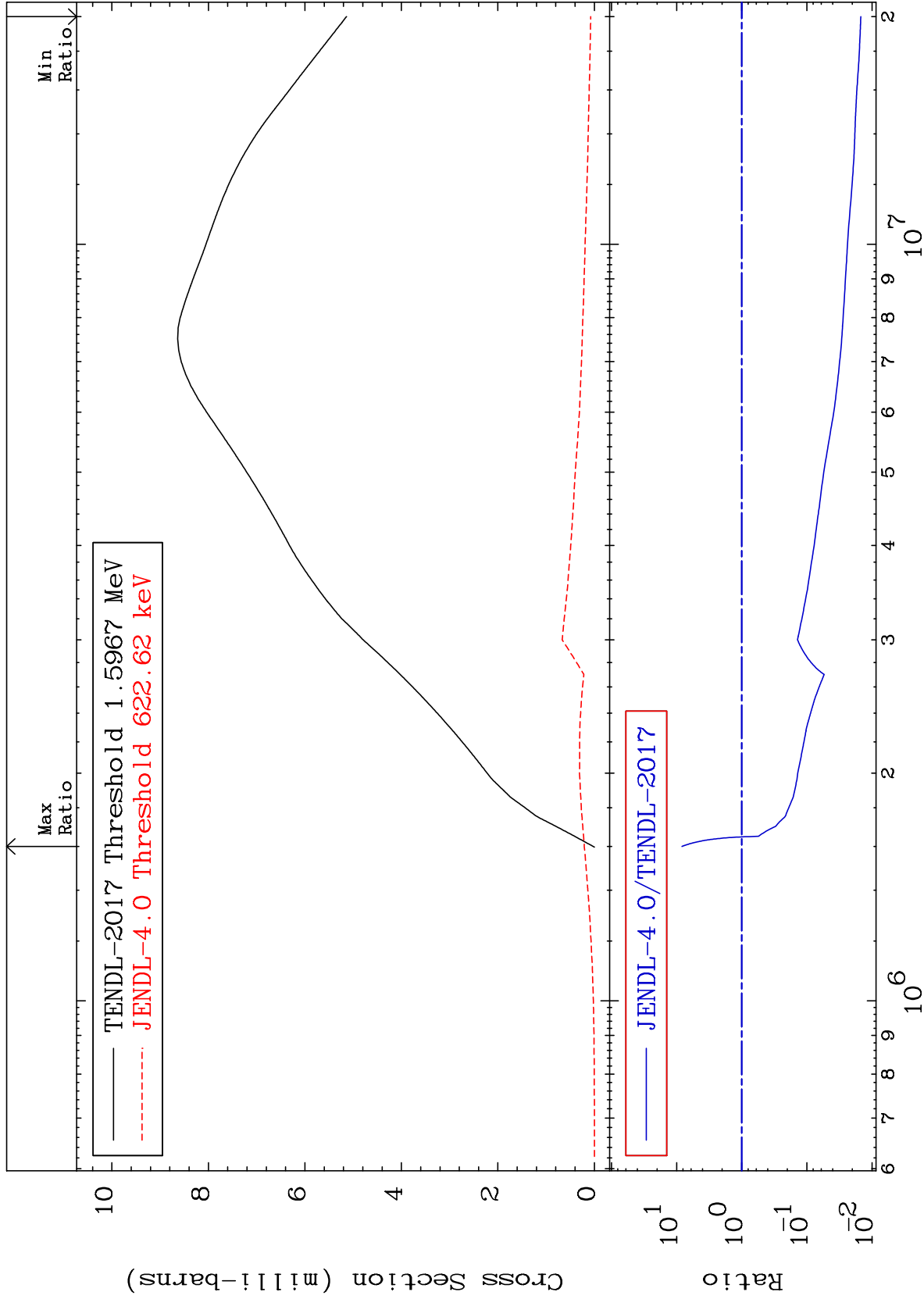
MAT 9437

1.440 MeV (n,n') Level  
Cross Section

94-Pu-239  
-99.37 To 9999. %



MAT 9437 1.590 MeV (n,n') Level Cross Section 94-Pu-239 -98.52 To 728.7 %



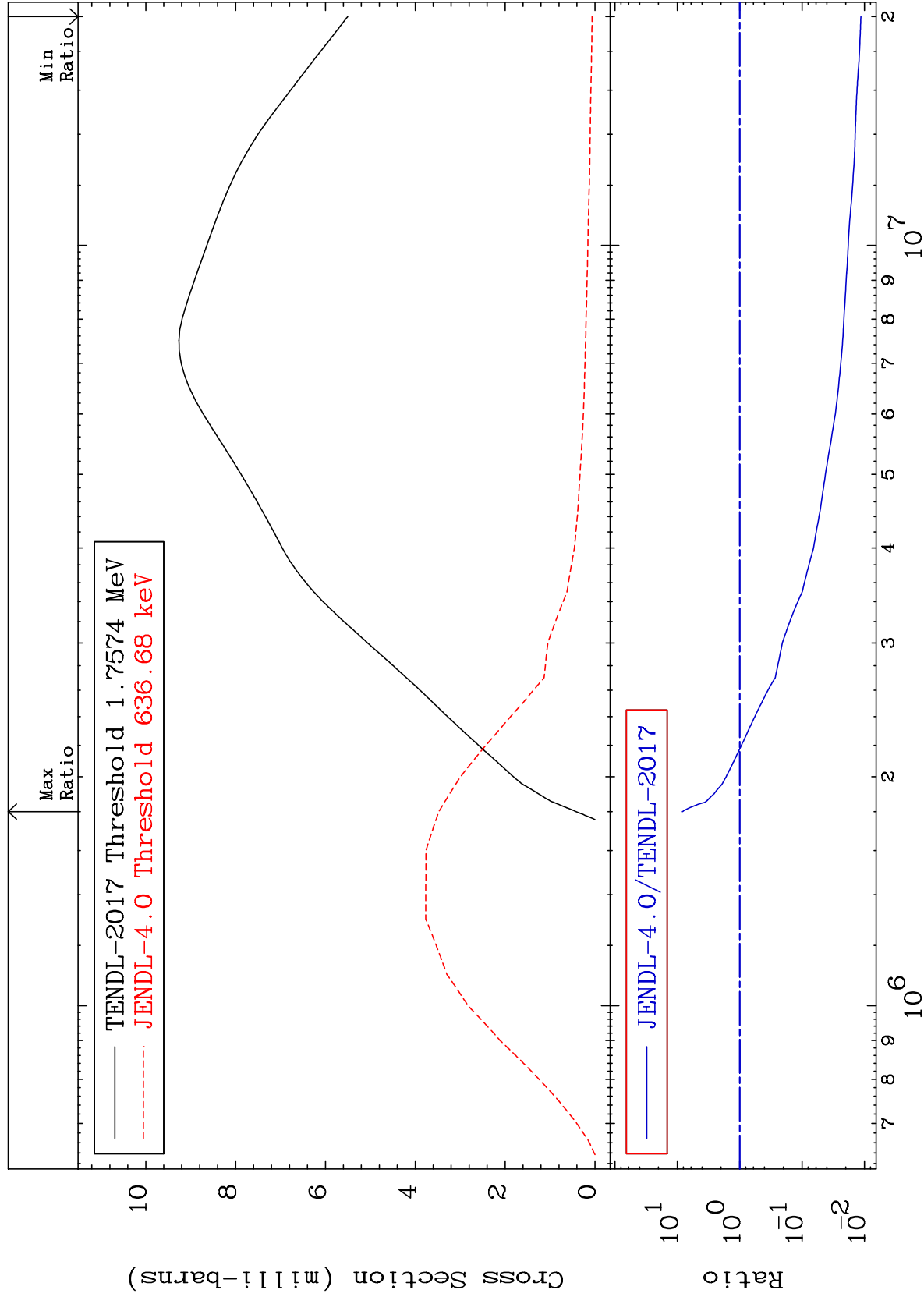
94-Pu-239

Incident Energy (eV)

MAT 9437

1.750 MeV (n,n') Level  
Cross Section

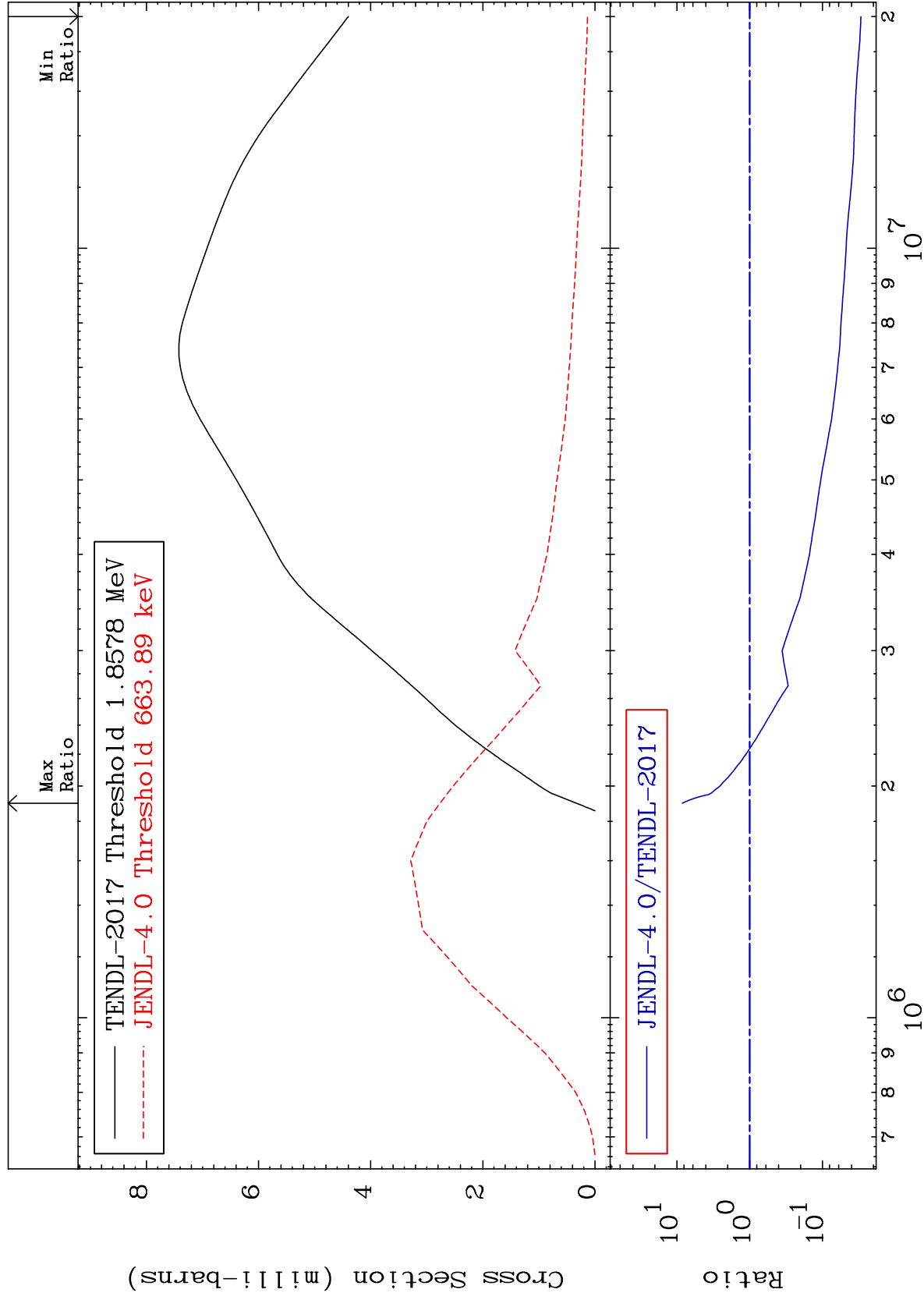
94-Pu-239  
-98.86 To 728.7 %



MAT 9437

1.850 MeV (n,n') Level  
Cross Section

94-Pu-239  
-97.03 To 739.5 %



34

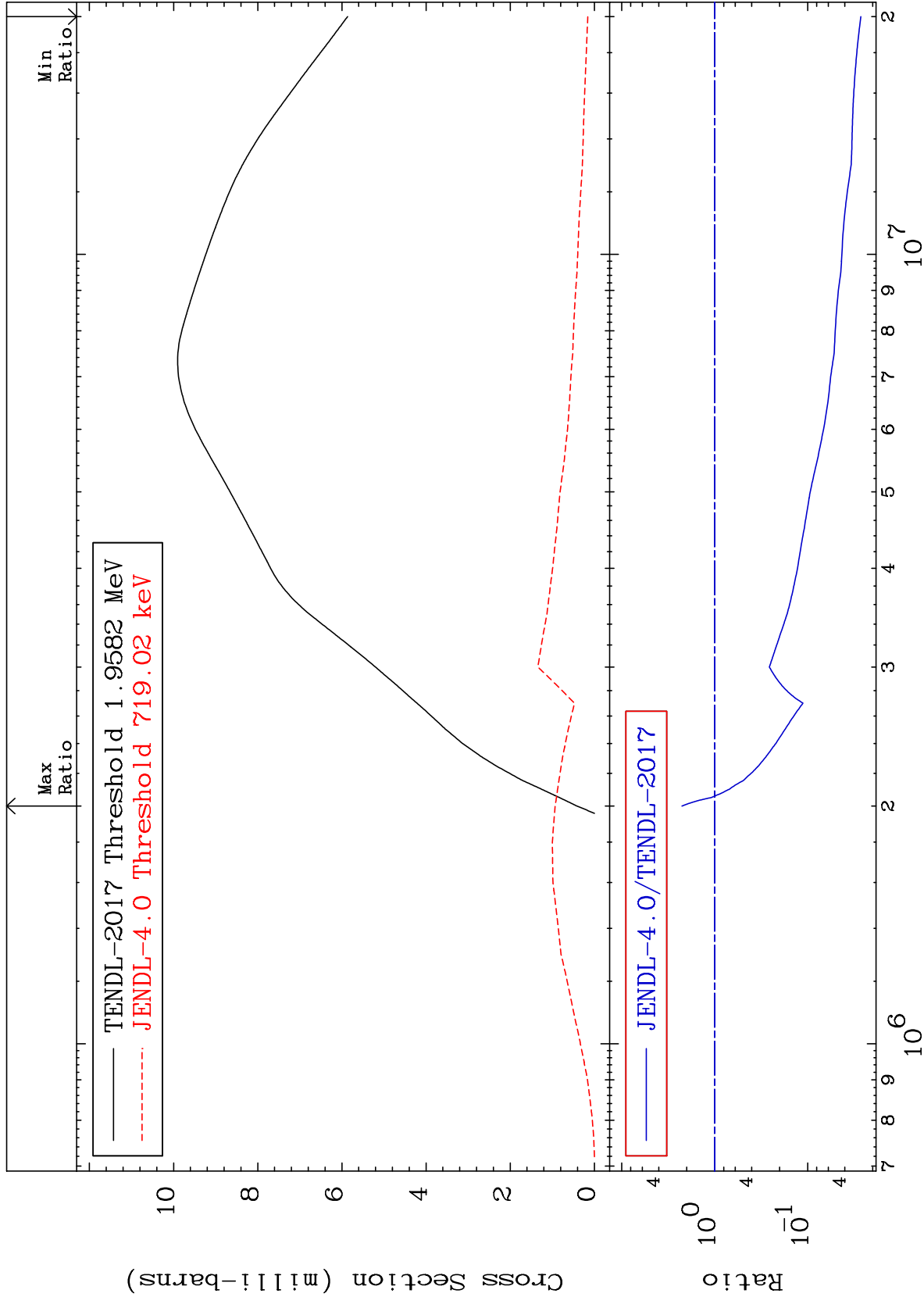
Incident Energy (eV)

94-Pu-239

MAT 9437

1.950 MeV (n,n') Level  
Cross Section

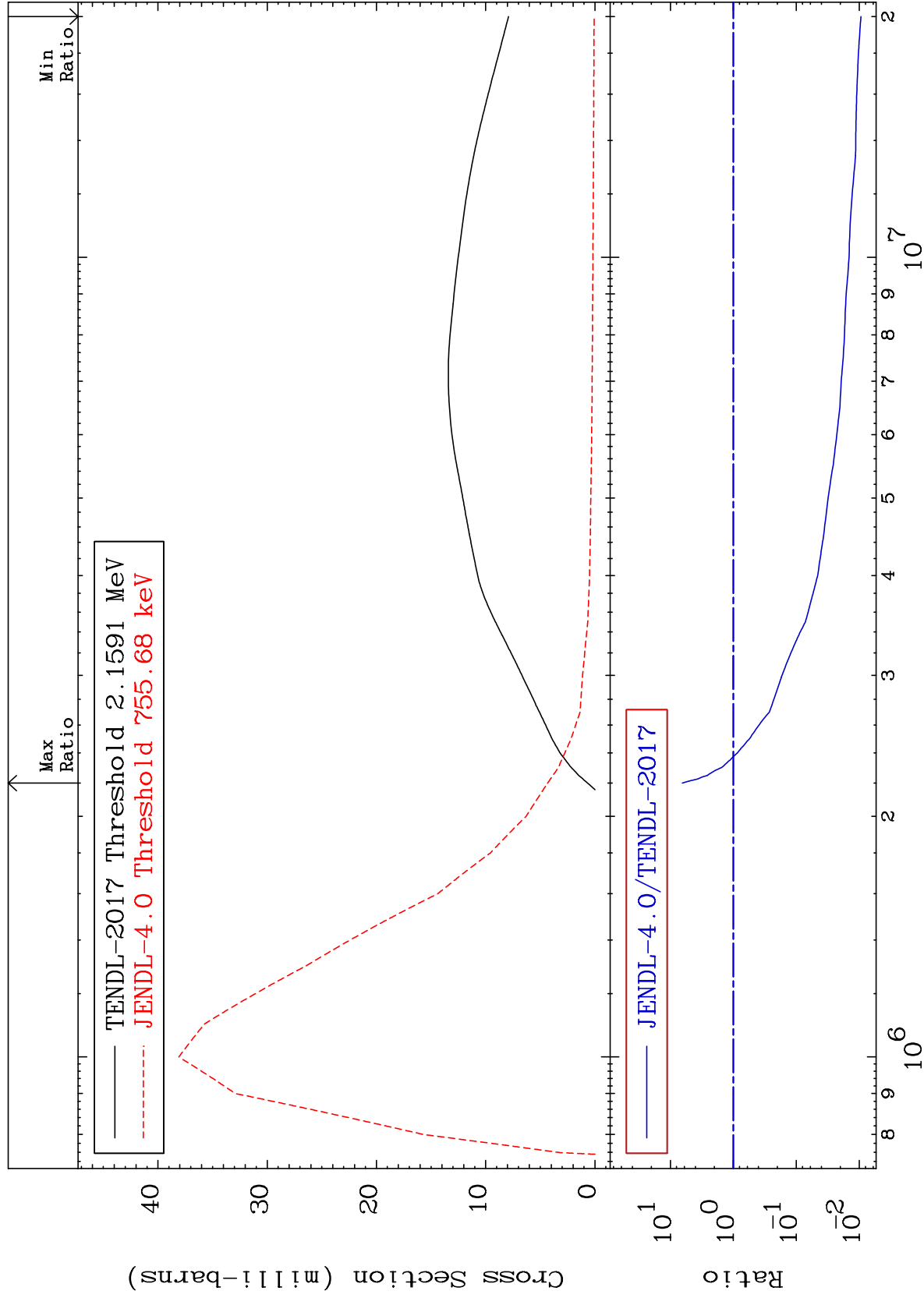
94-Pu-239  
-97.32 To 124.9 %



MAT 9437

2.150 MeV (n,n') Level  
Cross Section

94-Pu-239  
-99.06 To 545.4 %



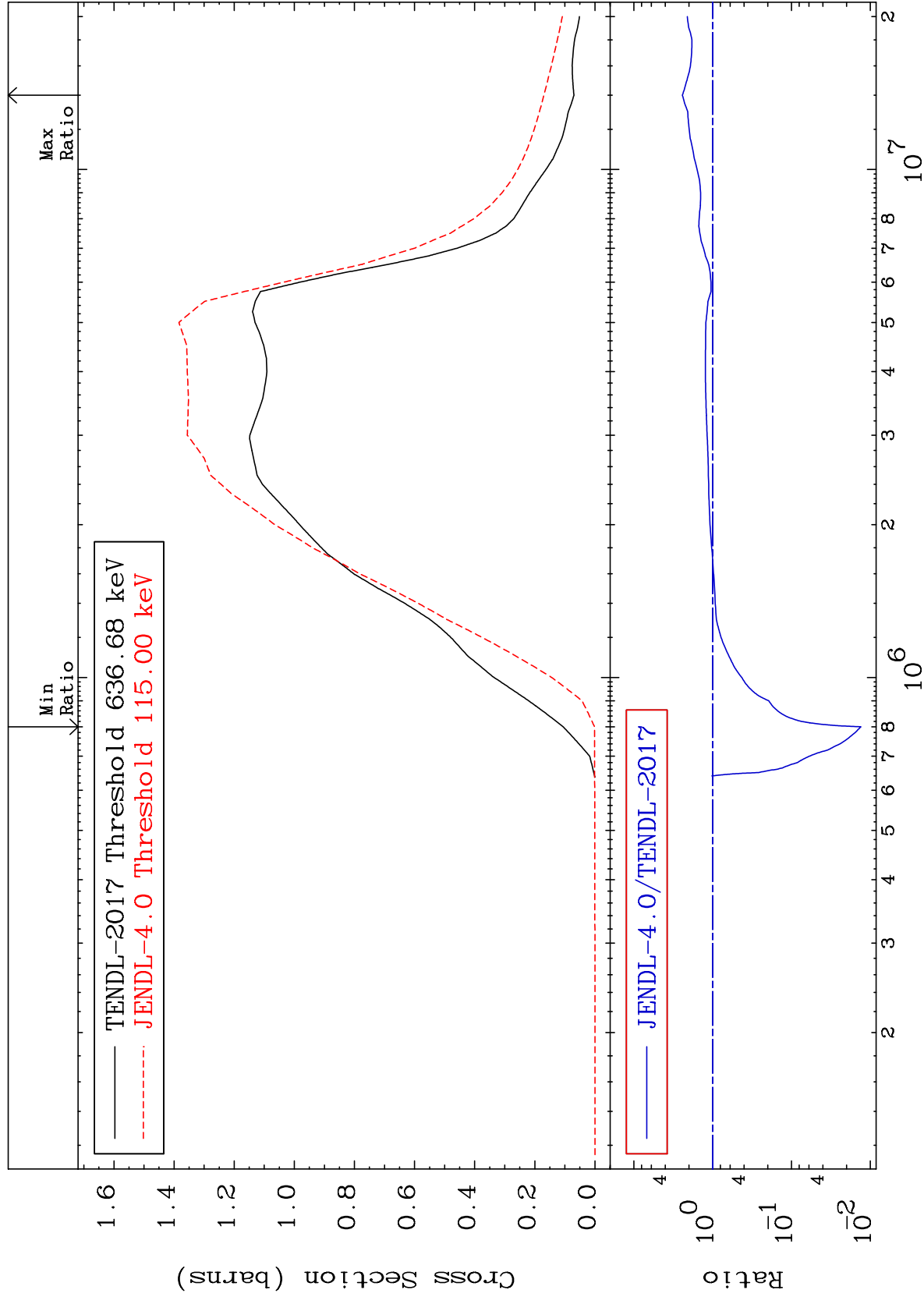




MAT 9437

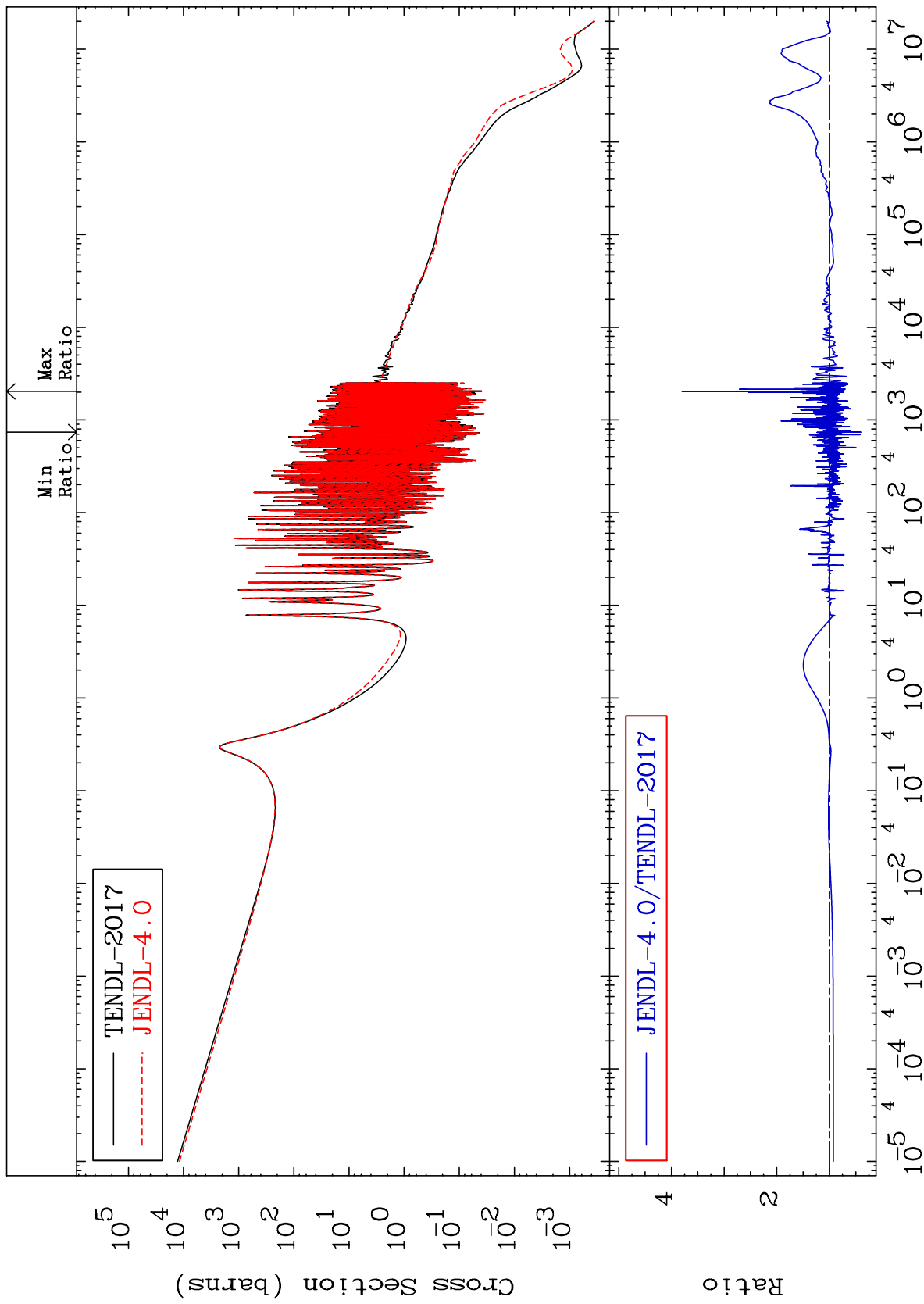
(n,n') Continuum  
Cross Section

94-Pu-239  
-98.68 To 142.9 %



MAT 9437

(n,  $\gamma$ )  
Cross Section  
94-Pu-239  
-59.69 To 280.0 %



39

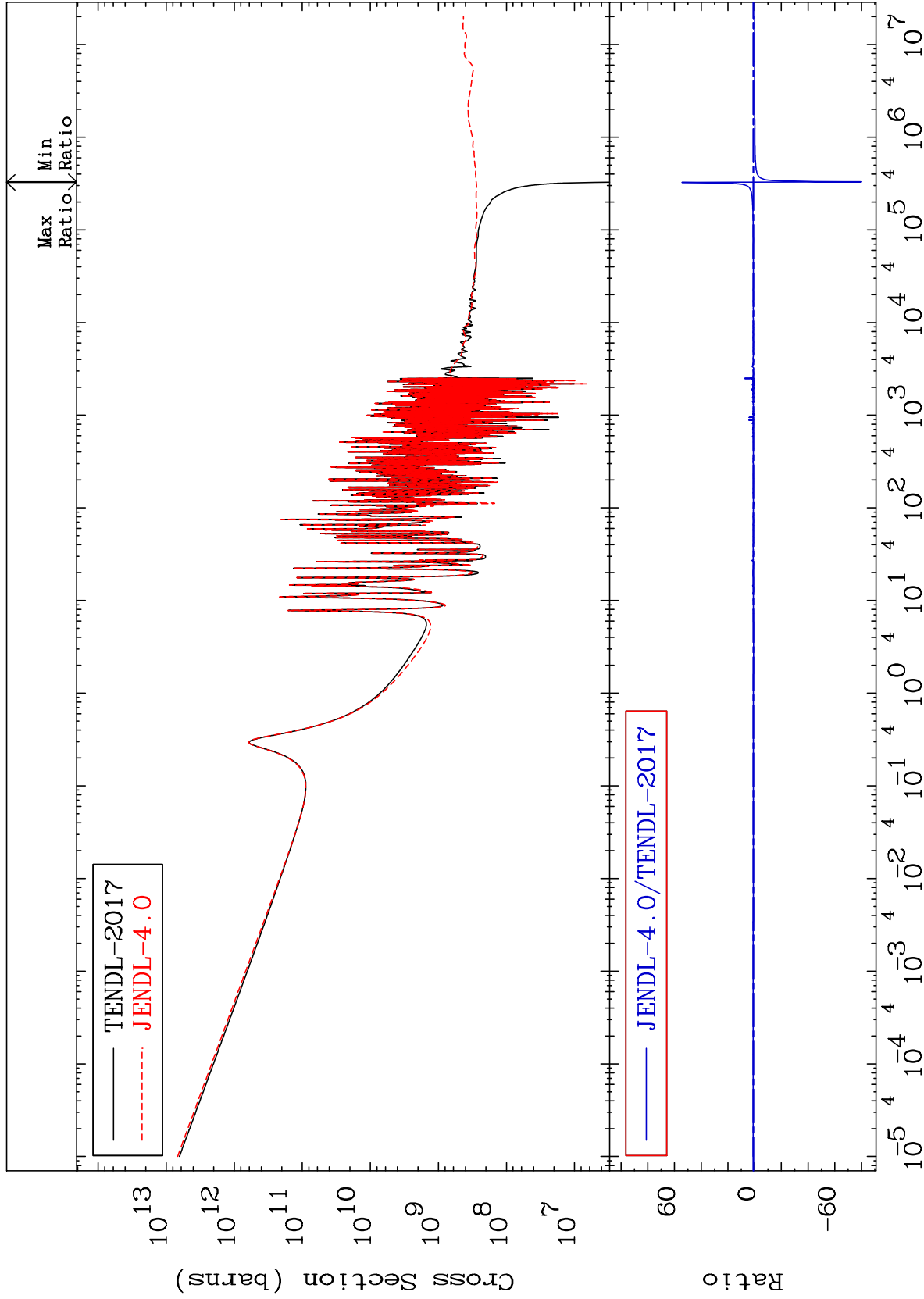
Incident Energy (eV)

94-Pu-239

MAT 9437

Kerma total (eV-barns)  
Cross Section

94-Pu-239  
-8051. To 5343. %



40

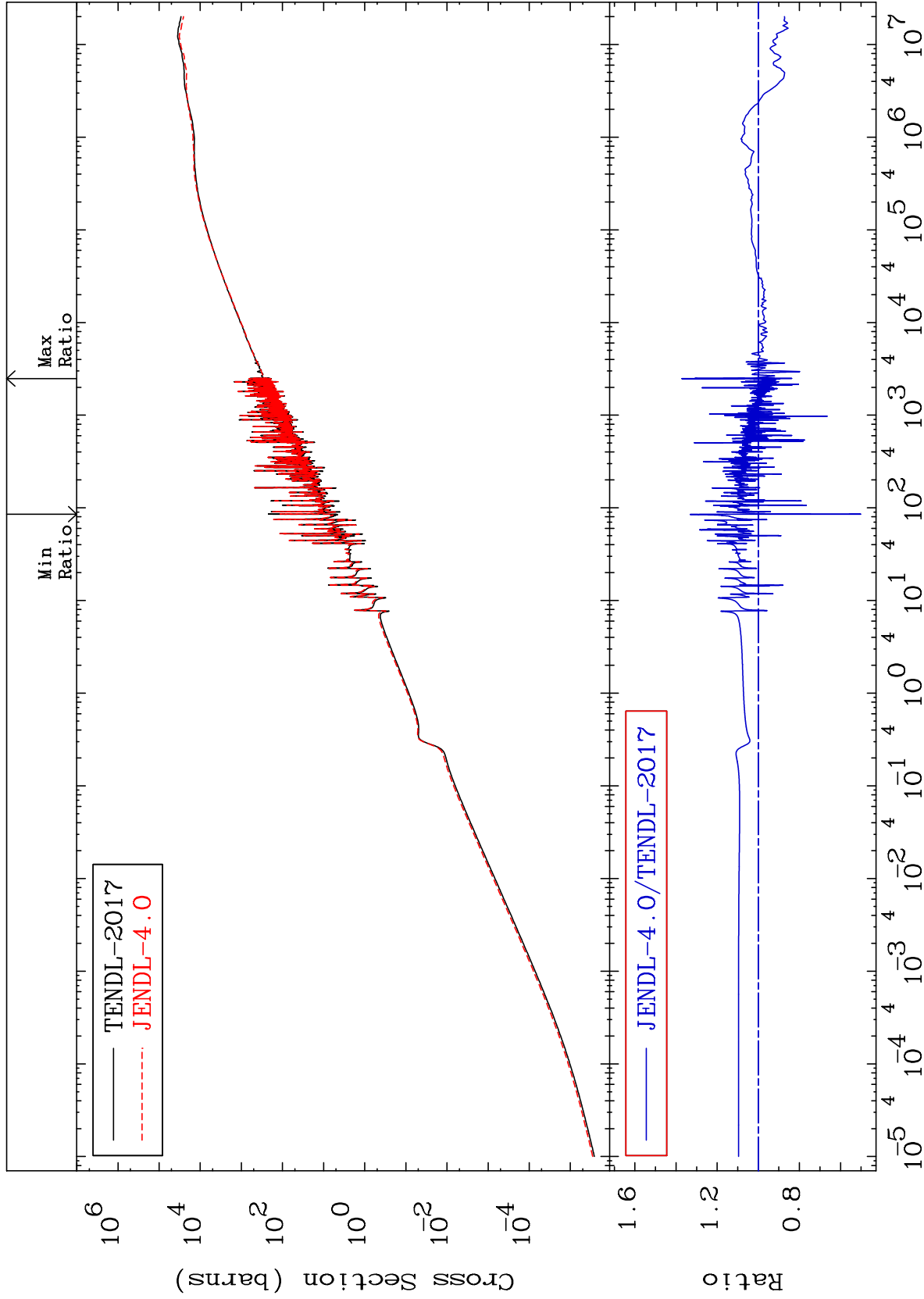
Incident Energy (eV)

94-Pu-239

MAT 9437

Kerma elastic  
Cross Section

94-Pu-239  
-49.87 To 37.13 %



41

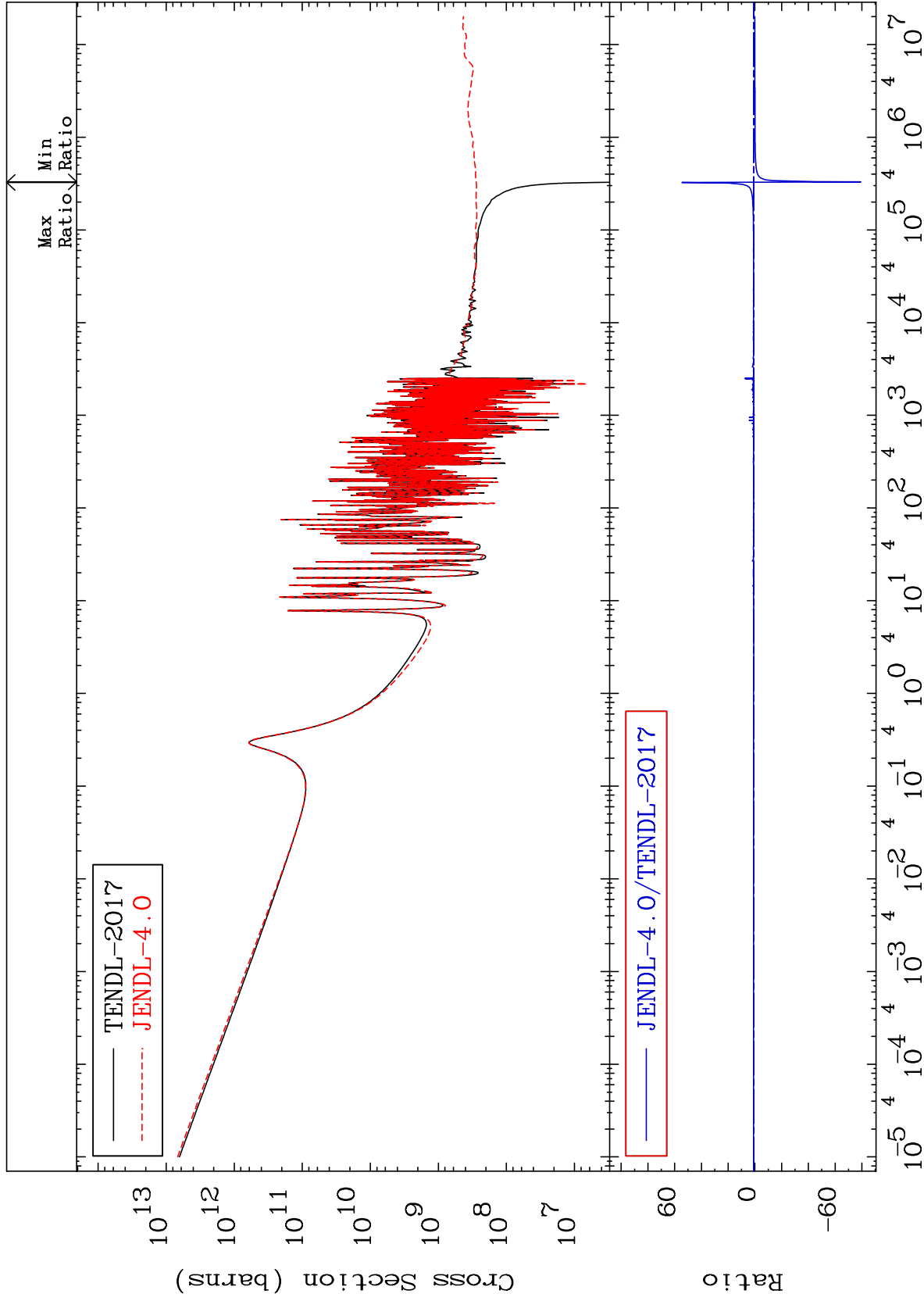
Incident Energy (eV)

94-Pu-239

MAT 9437

Kerma non-elastic (all but mt2)  
Cross Section

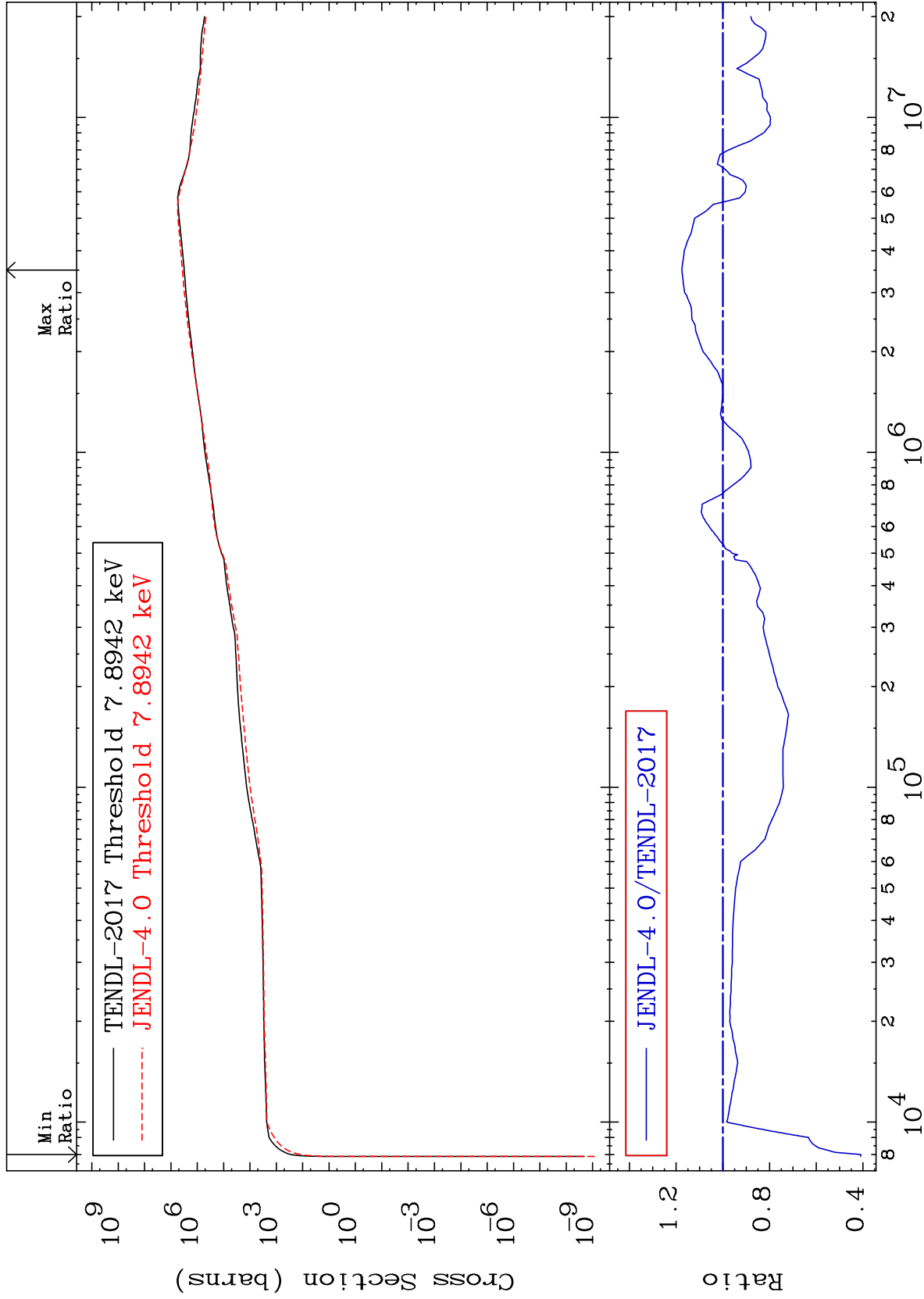
94-Pu-239  
-8023. To 5356. %



MAT 9437

Kerma inelastic (mt51-91)  
Cross Section

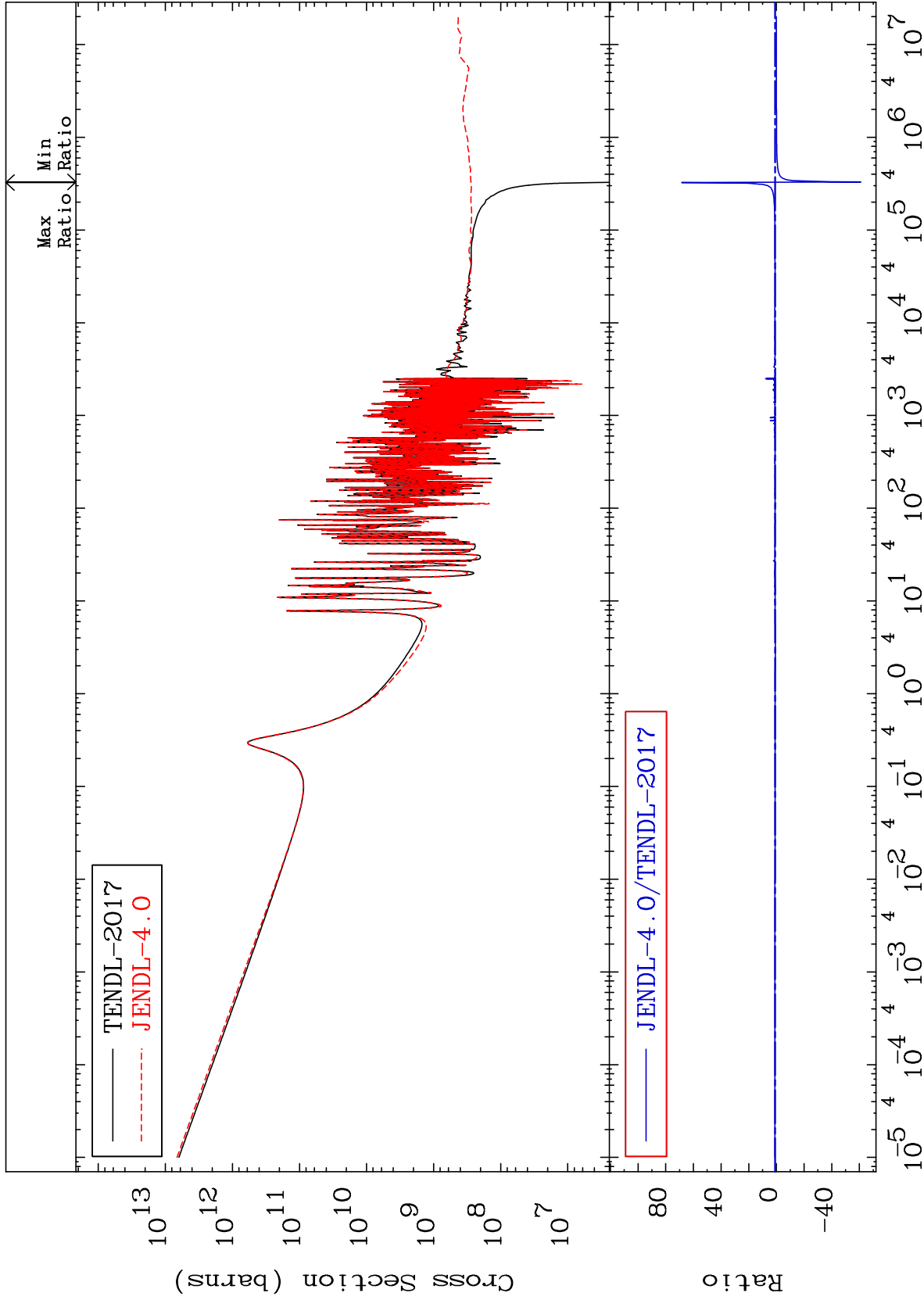
94-Pu-239  
-59.11 To 17.52 %



MAT 9437

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

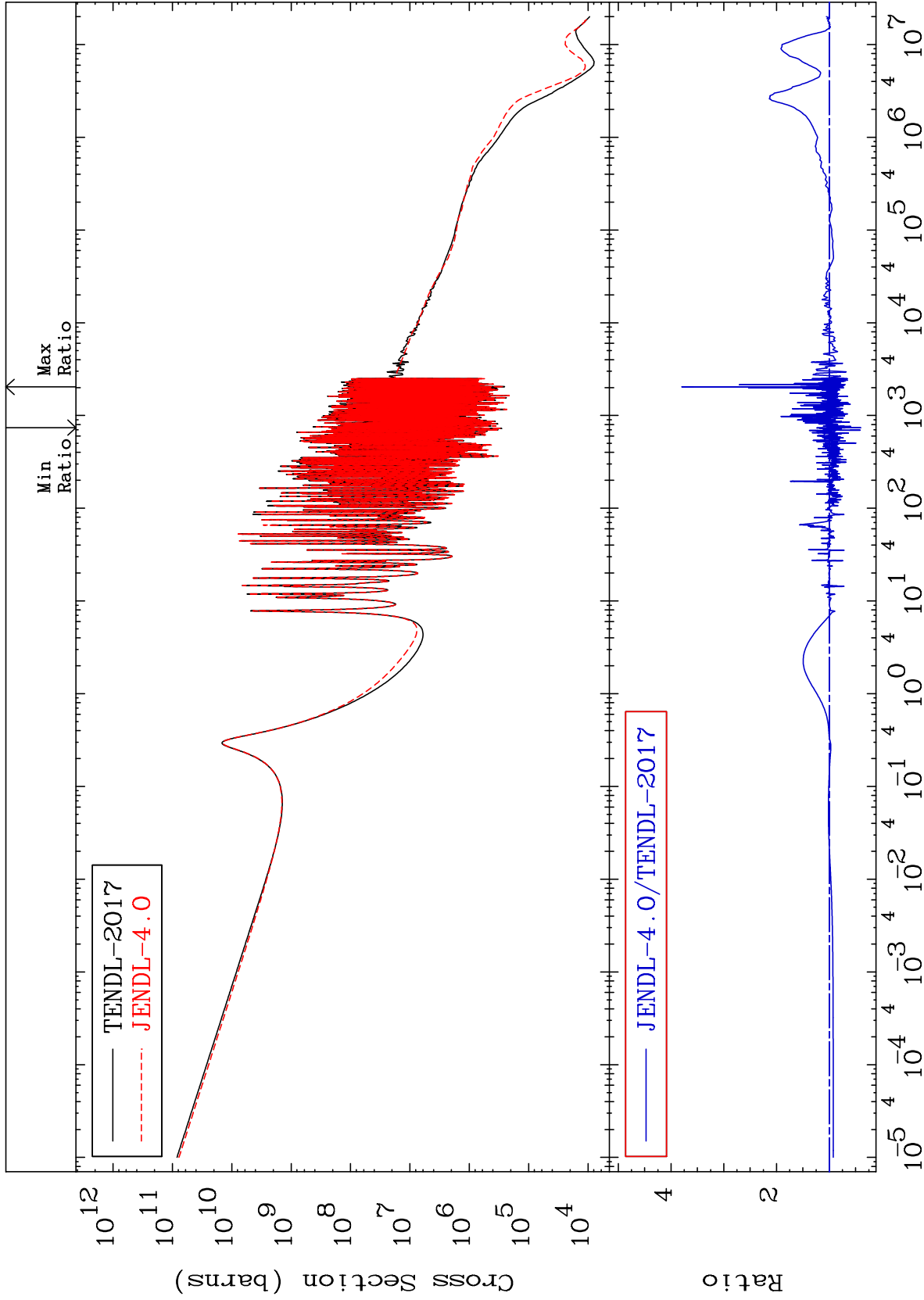
94-Pu-239  
-6198. To 6743. %



MAT 9437

Kerma capture (mt102)  
Cross Section

94-Pu-239  
-59.72 To 279.7 %



45

Incident Energy (eV)

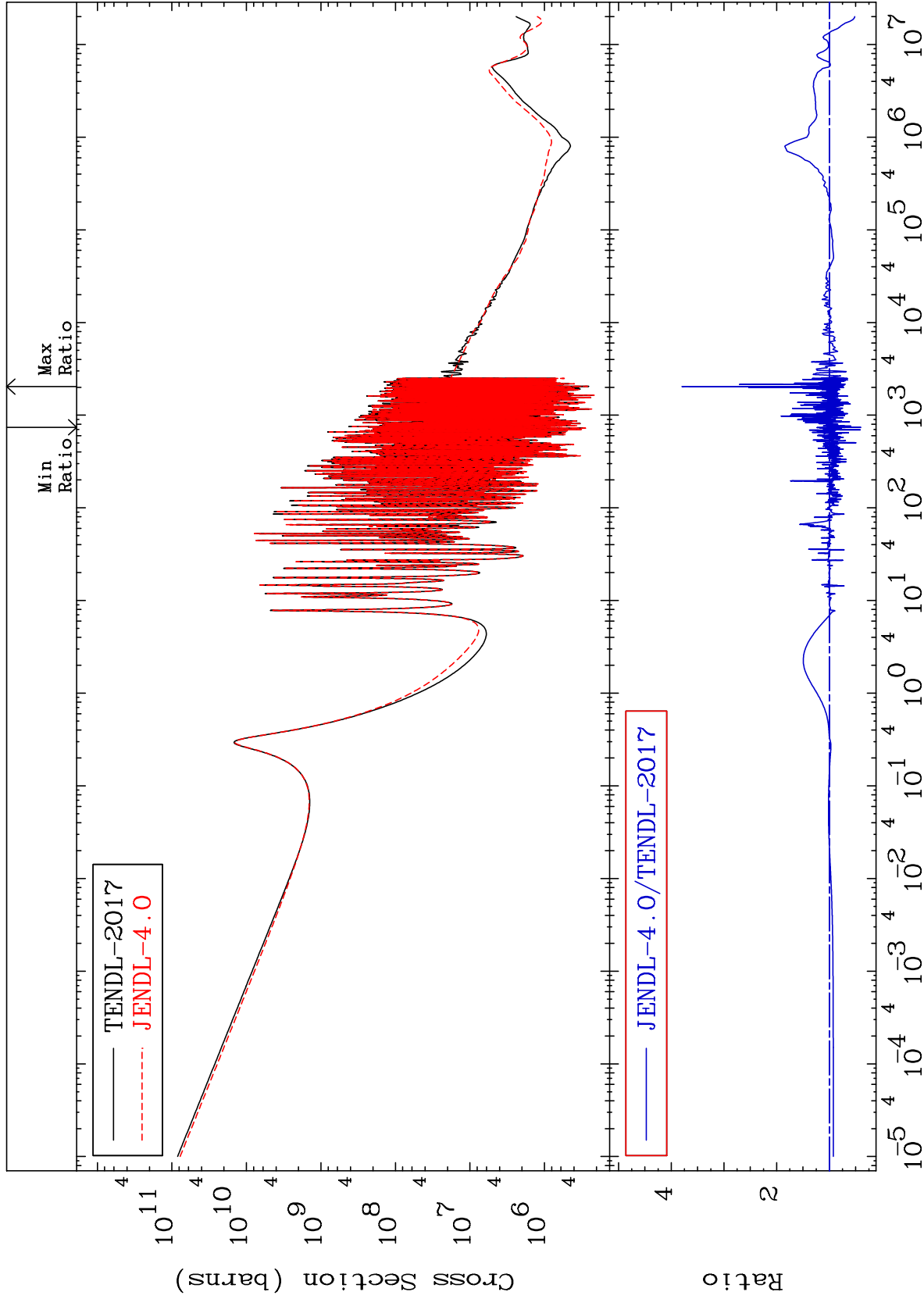
94-Pu-239



MAT 9437

Total photon (eV-barns)  
Cross Section

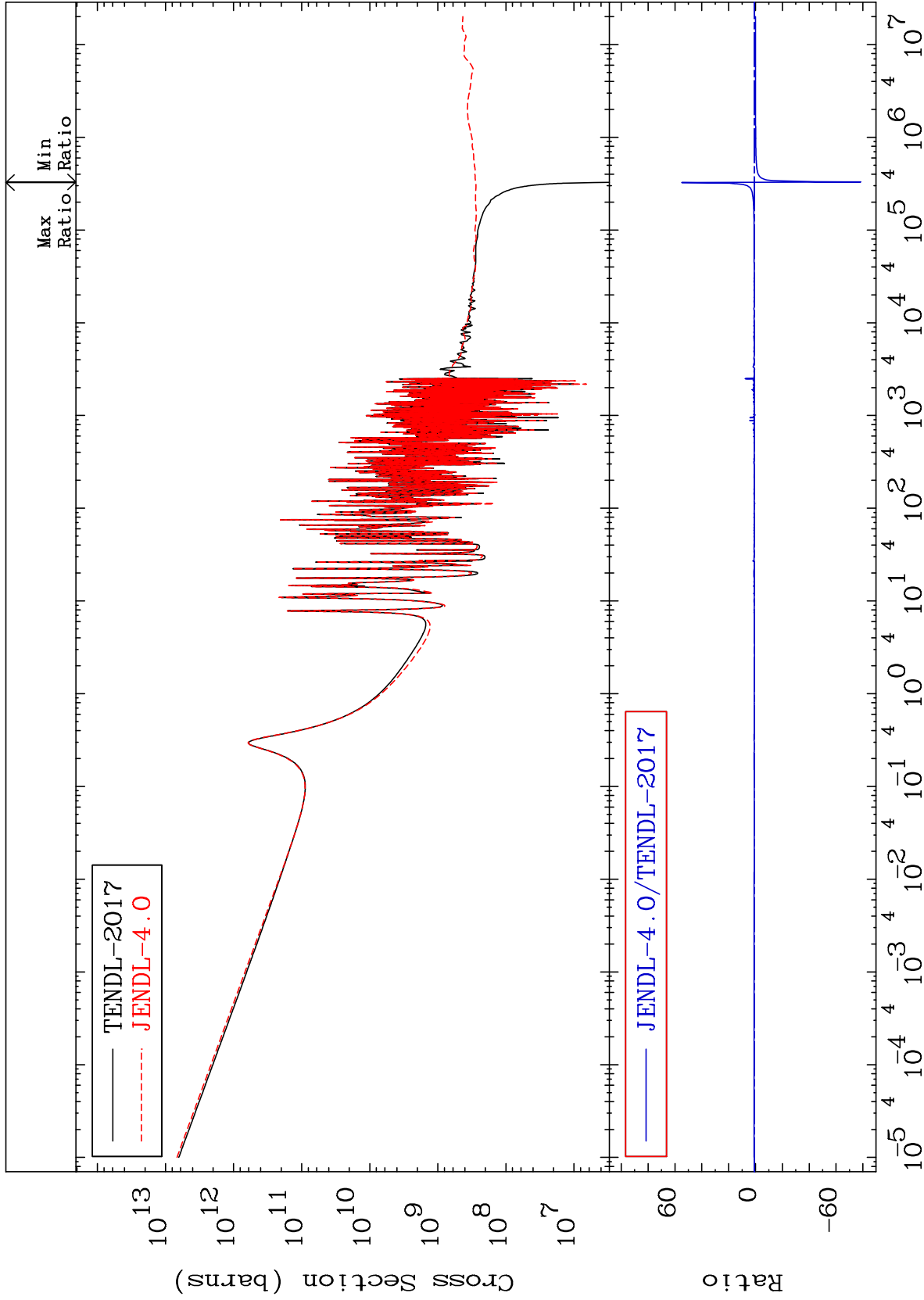
94-Pu-239  
-59.72 To 279.7 %



MAT 9437

Total kinematic kerma (high limit)  
Cross Section

94-Pu-239  
-7940. To 5394. %



47

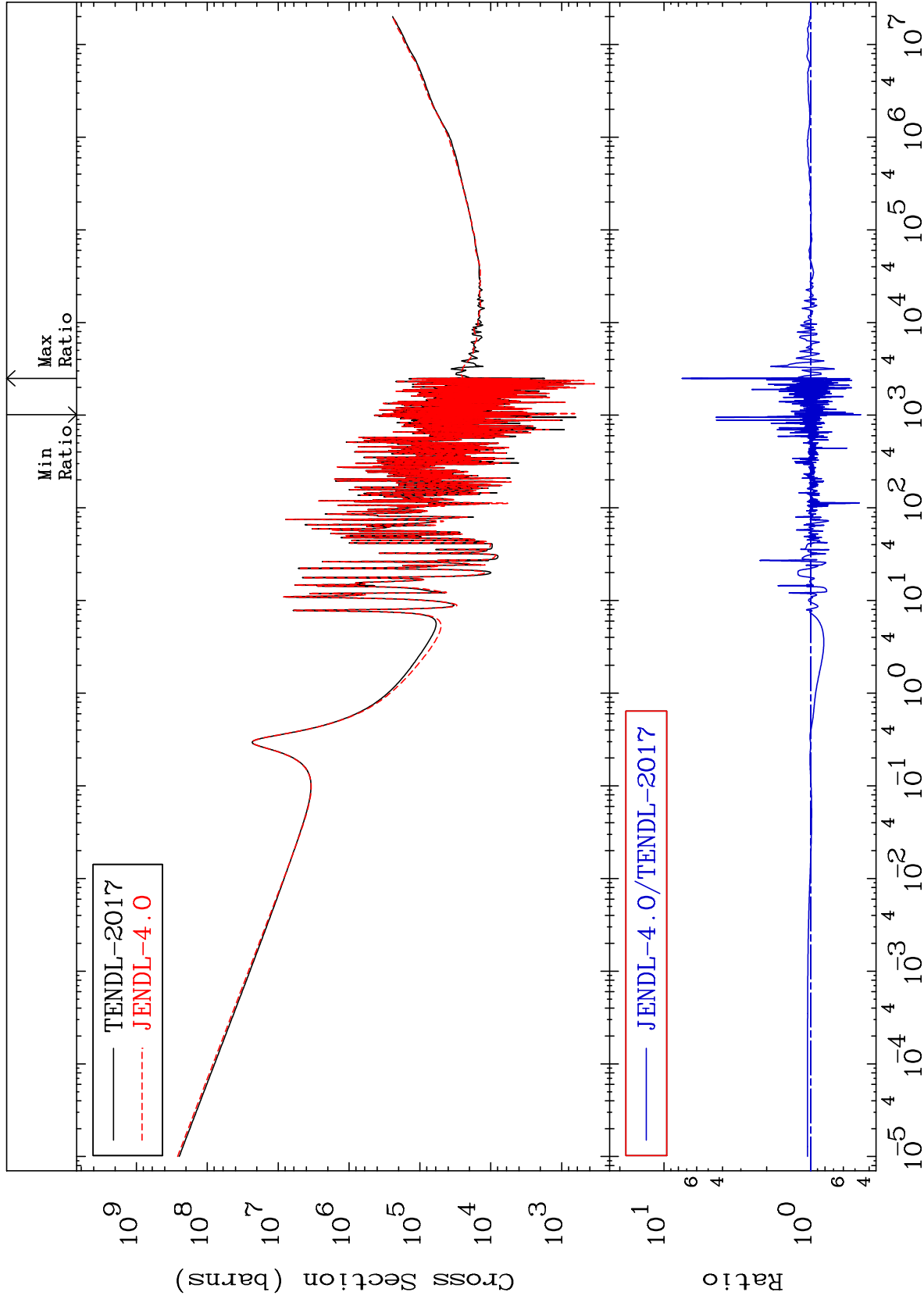
Incident Energy (eV)

94-Pu-239

MAT 9437

Dpa total (eV-barns)  
Cross Section

94-Pu-239  
-54.42 To 655.2 %



48

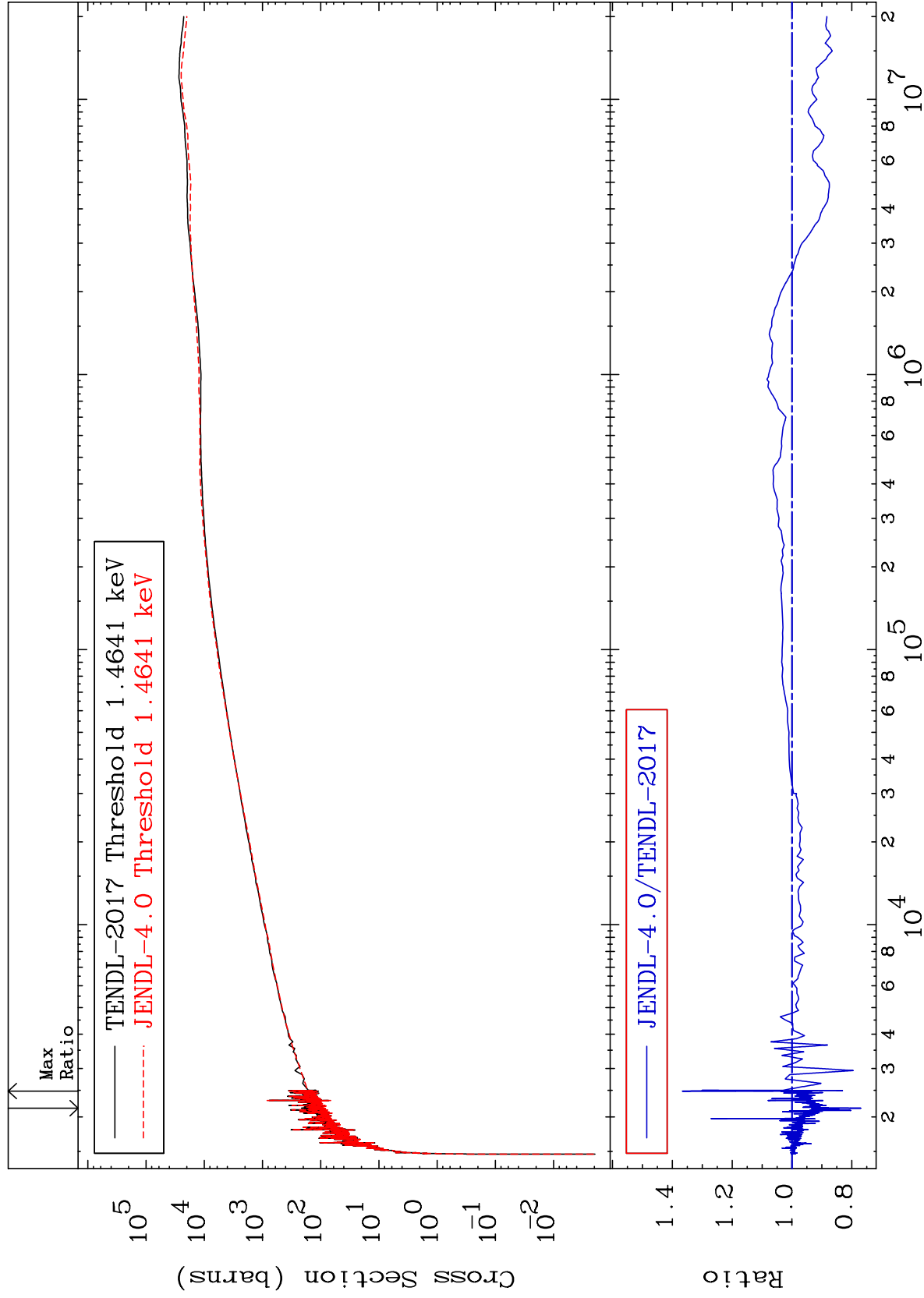
Incident Energy (eV)

94-Pu-239

MAT 9437

Dpa elastic (mt2)  
Cross Section

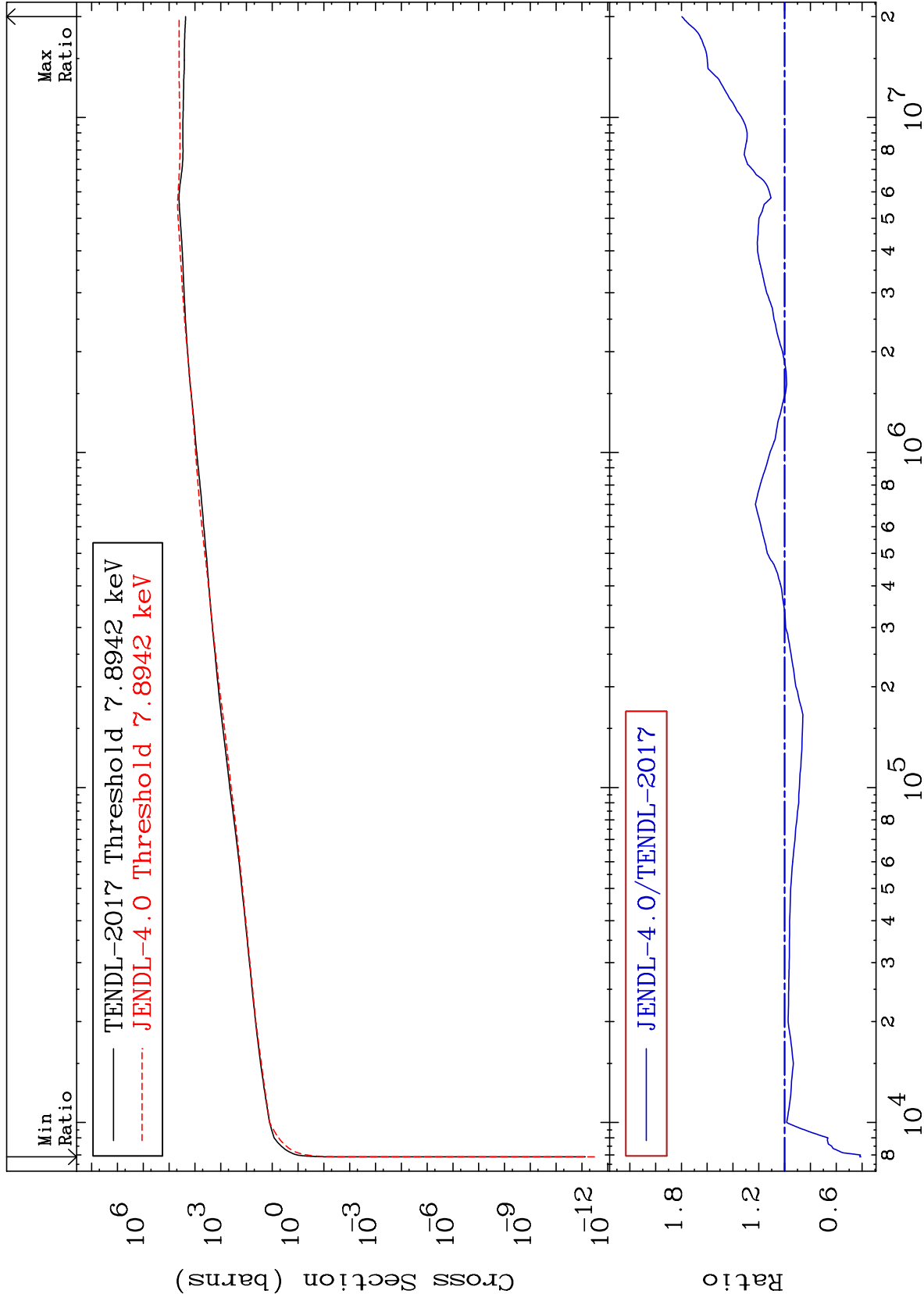
94-Pu-239  
-23.05 To 36.66 %



MAT 9437

Dpa inelastic (mt51-91)  
Cross Section

94-Pu-239  
-59.07 To 79.57 %



50

Incident Energy (eV)

94-Pu-239

MAT 9437

Dpa disappearance (mt102 -120)  
Cross Section

94-Pu-239  
-43.23 To 439.0 %

