

Program Complot  
(Version 2018-1)

by

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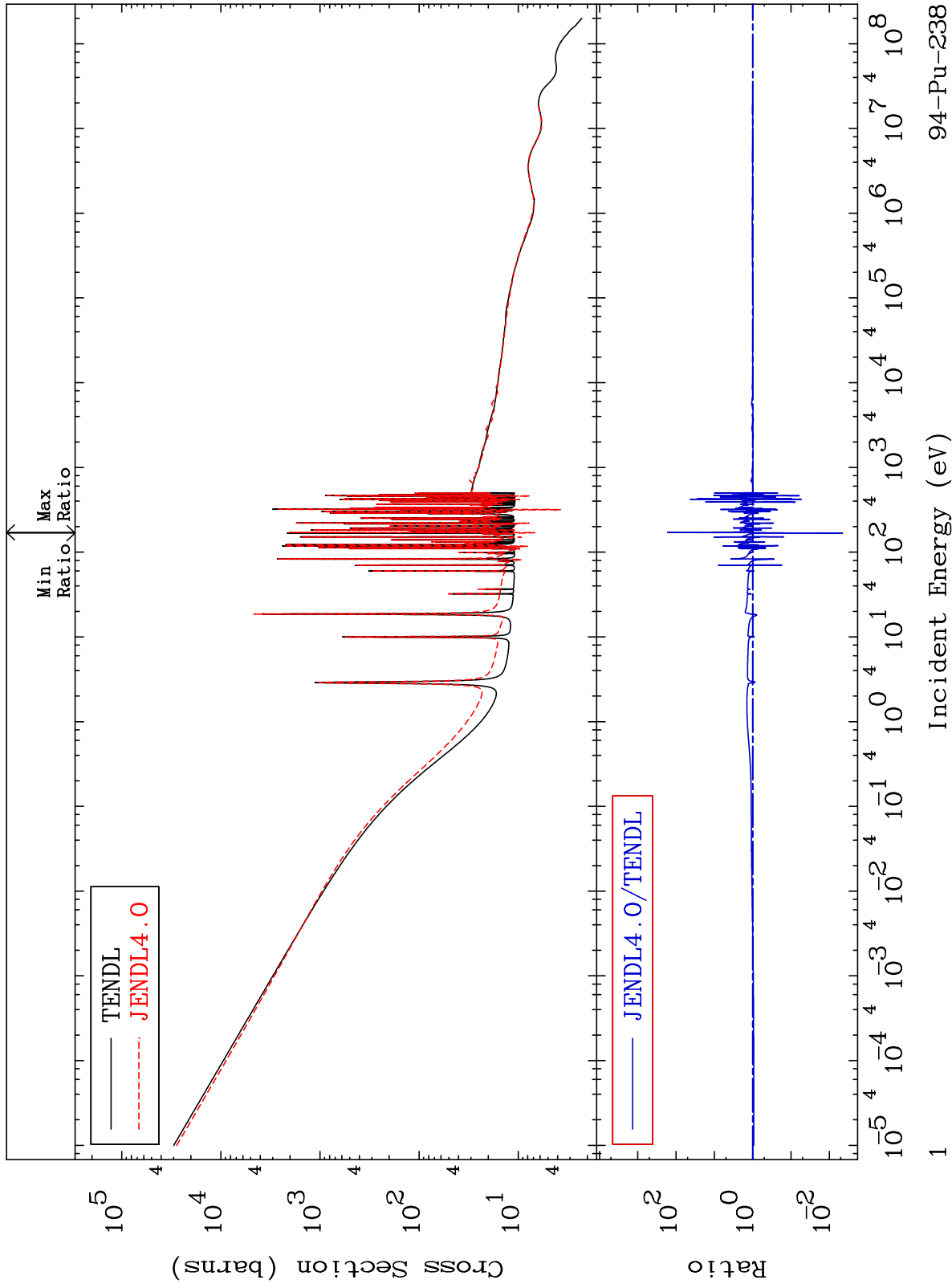
Press Mouse Button to Start

MAT 9434

94-Pu-238

-99.55 To 9999. %

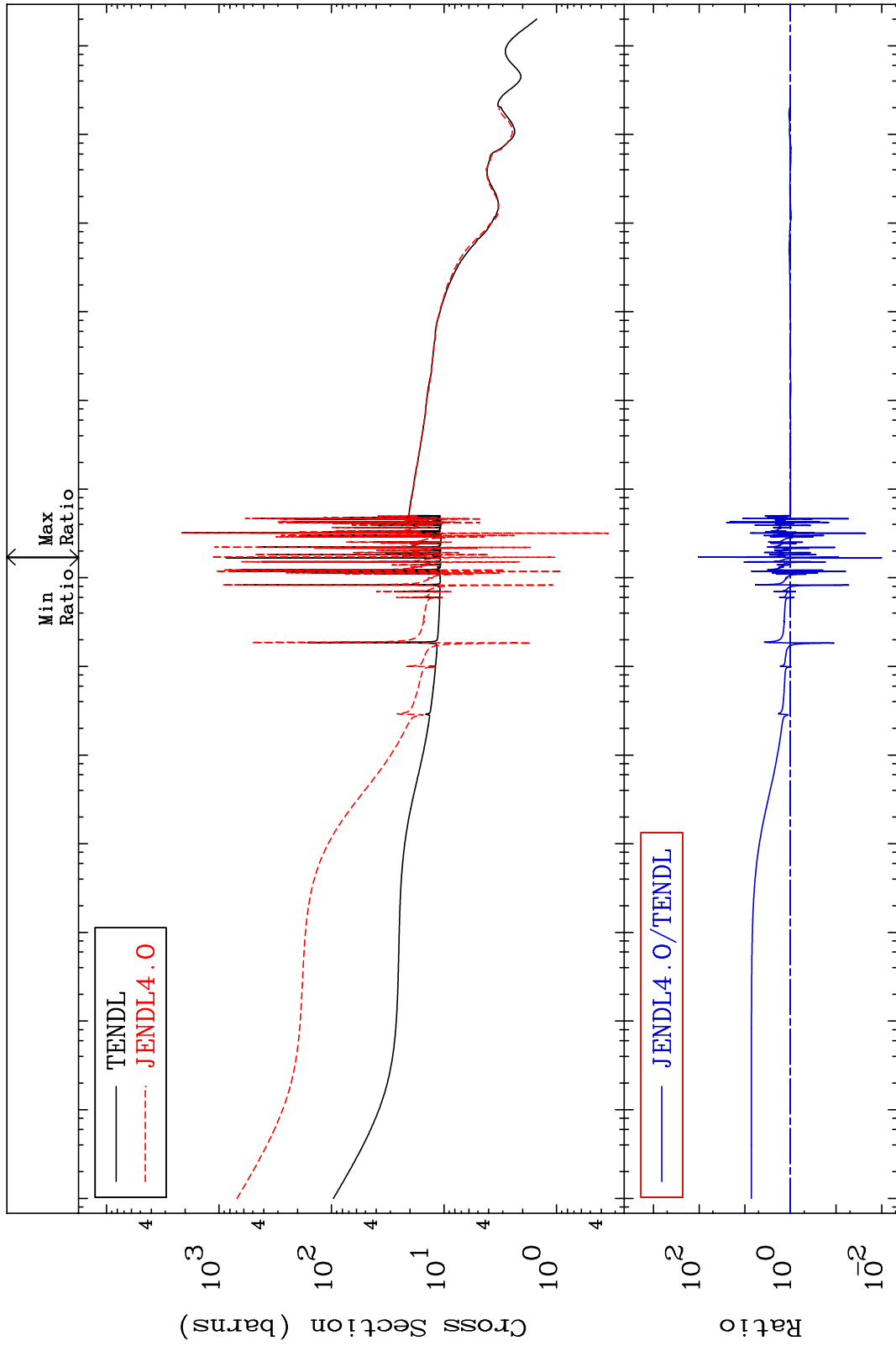
Total  
Cross Section



94-Pu-238

MAT 9434

Elastic Cross Section  
94-Pu-238  
-98.99 To 9999. %

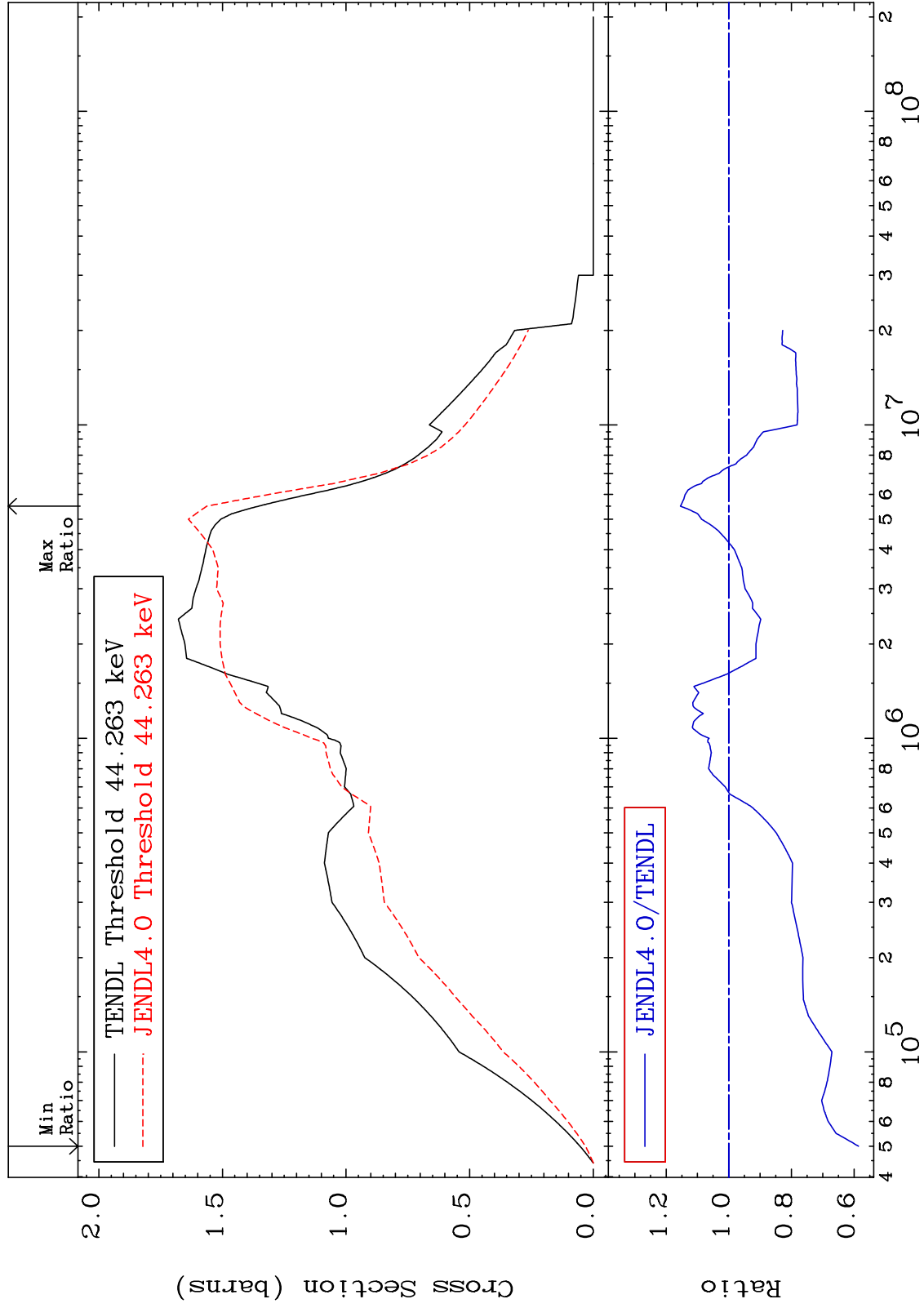


94-Pu-238

Incident Energy (eV)

MAT 9434

Inelastic Cross Section  
94-Pu-238  
-41.40 To 15.43 %



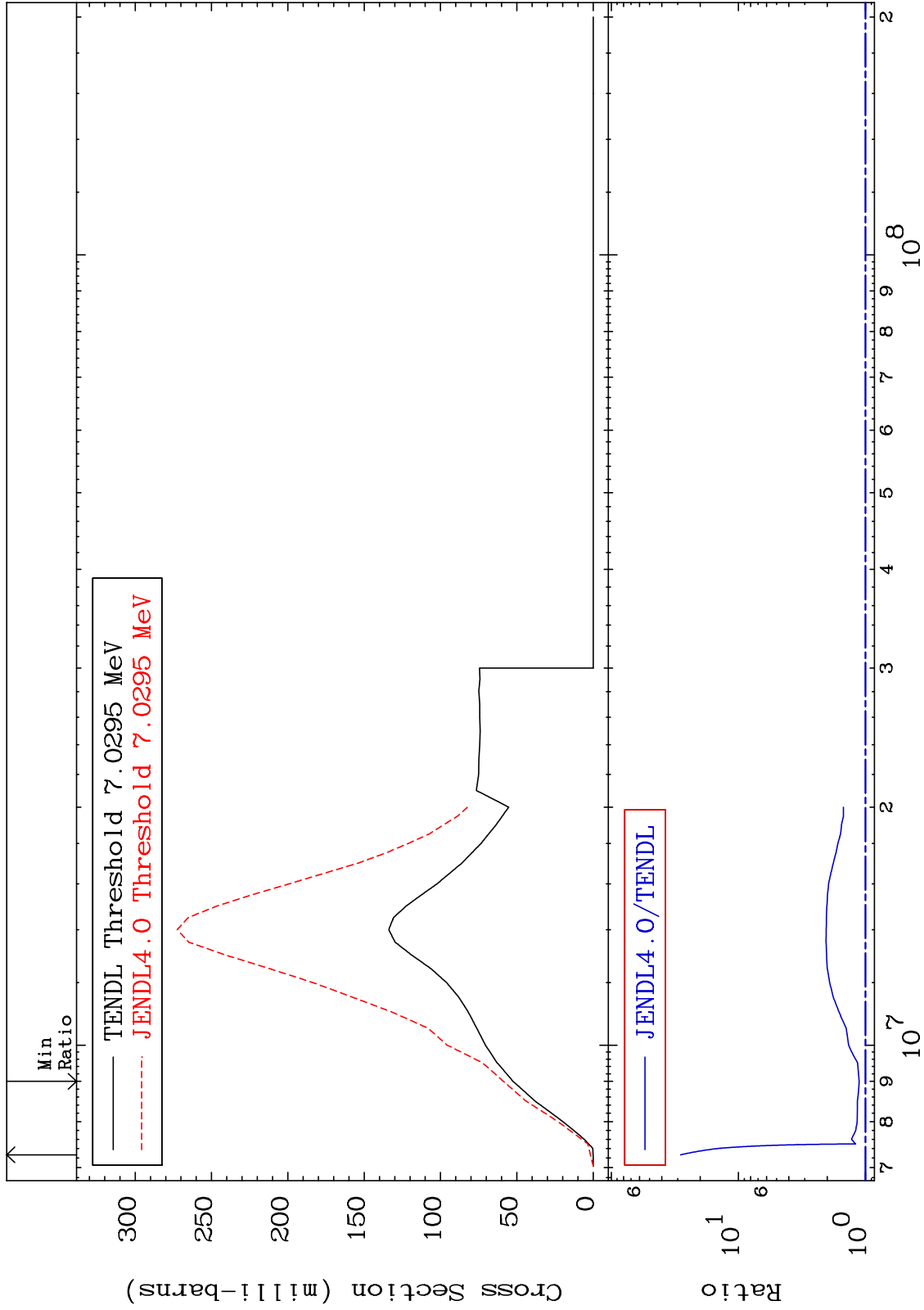
MAT 9434

(n,2n)

94-Pu-238

Cross Section

12.02 To 2748. %



4

Incident Energy (eV)

94-Pu-238

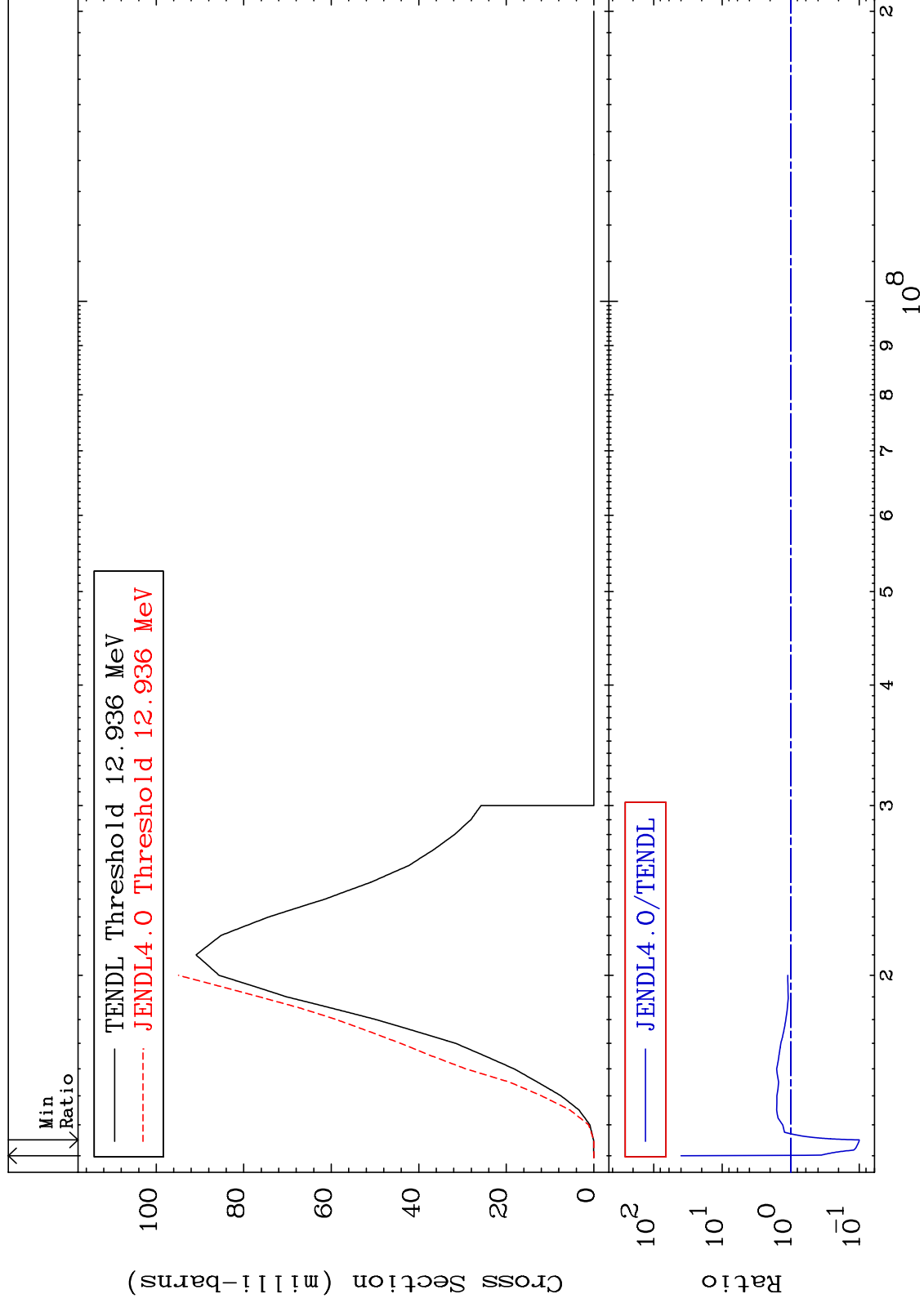
MAT 9434

(n, 3n)

94-Pu-238

Cross Section

-90.01 To 3892. %



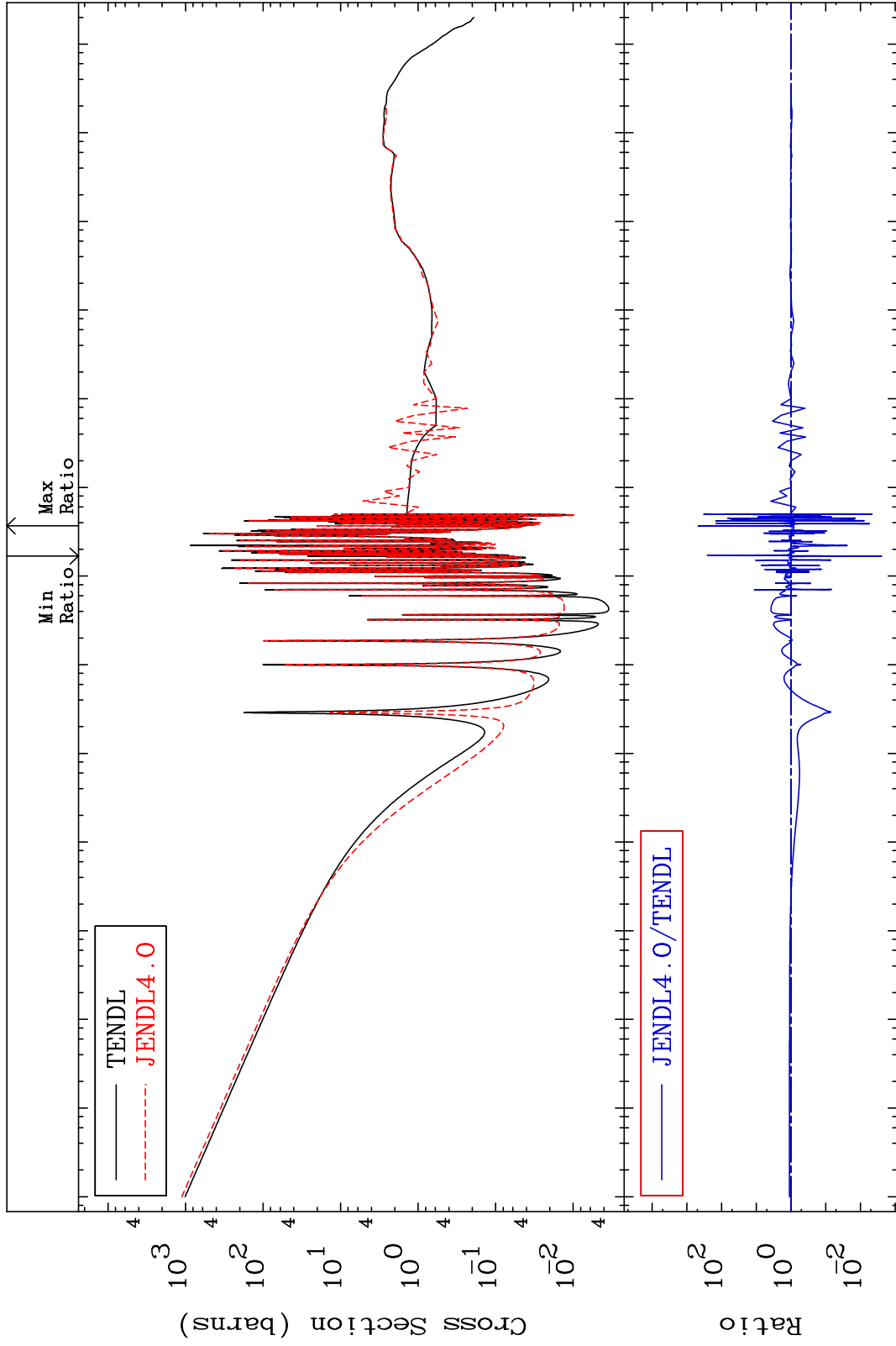
MAT 9434

Fission

94-Pu-238

-99.75 To 9999. %

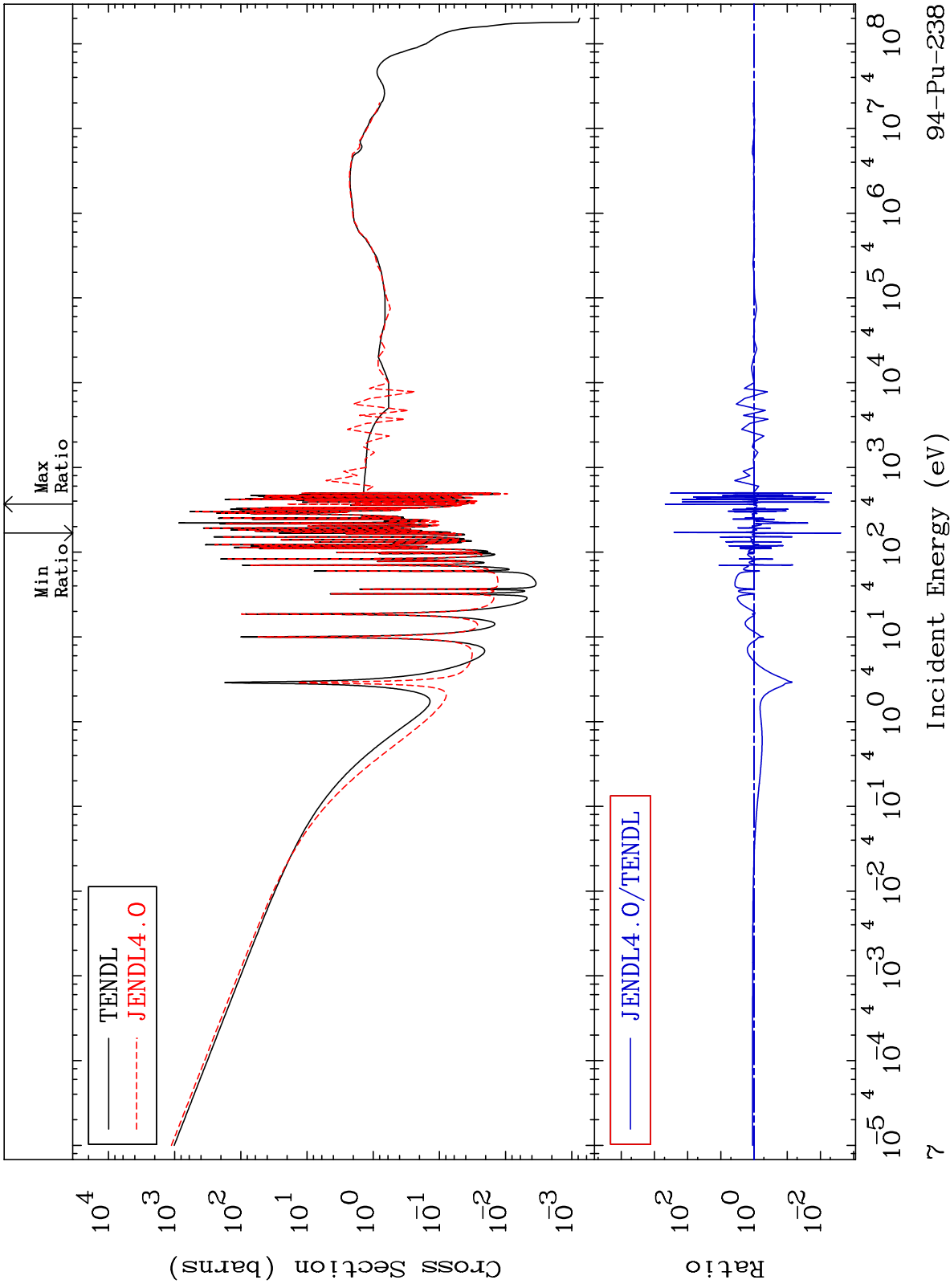
Cross Section



MAT 9434

(n,f) First Chance  
Cross Section

94-Pu-238  
-99.75 To 9999. %

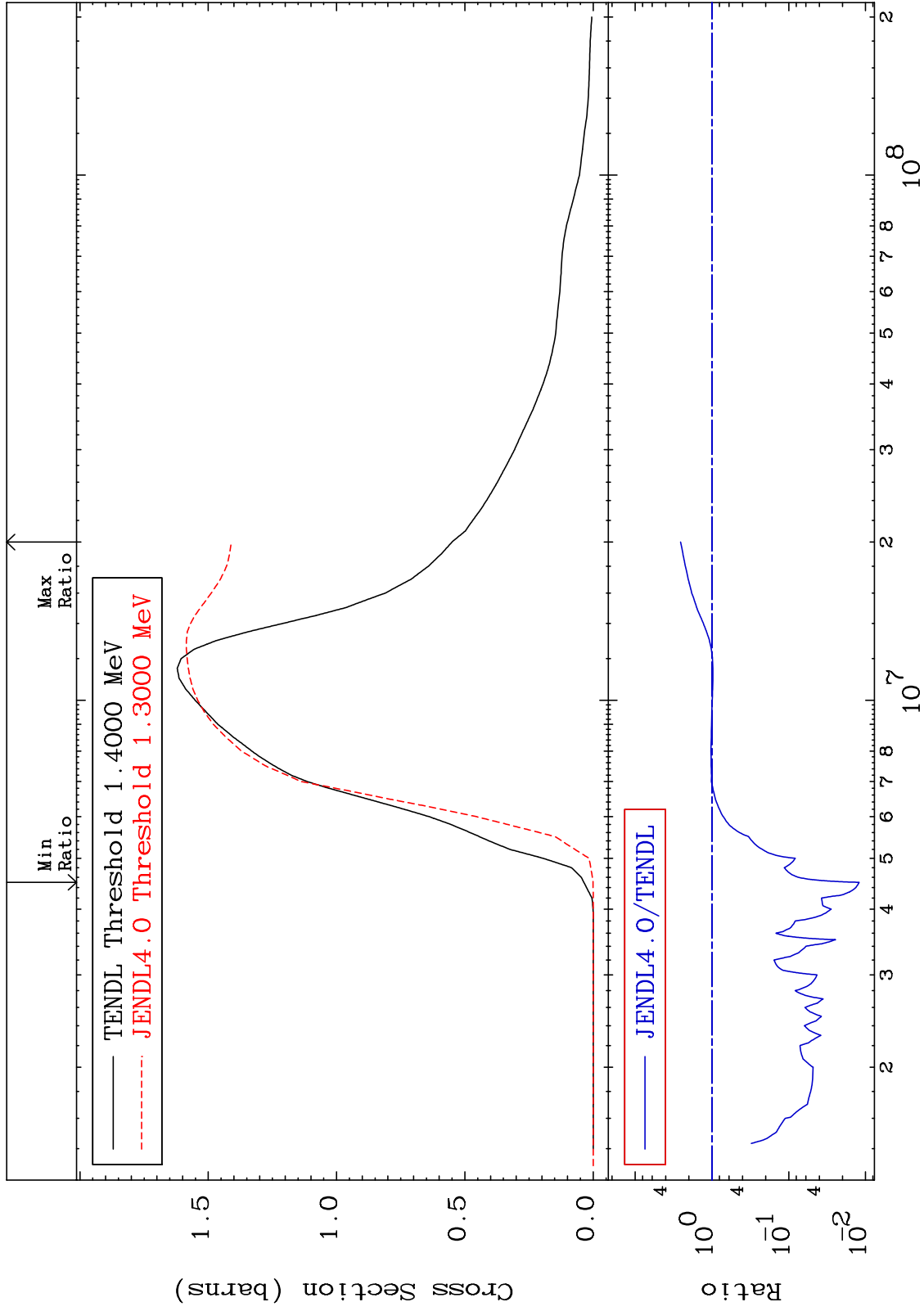


94-Pu-238

MAT 9434

(n, nf) Second Chance  
Cross Section

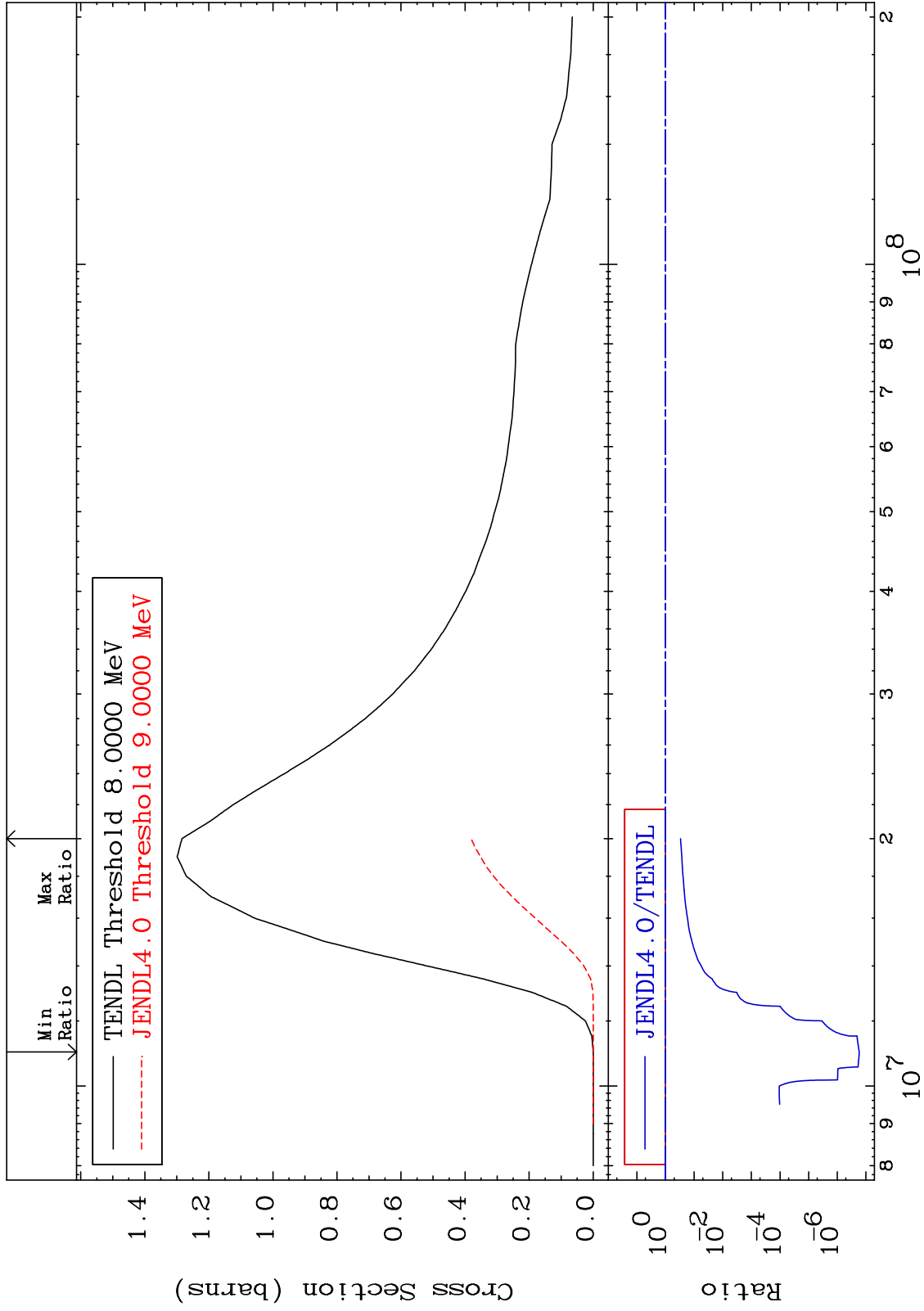
94-Pu-238  
-98.79 To 156.2 %



MAT 9434

(n,2nf) Third Chance  
Cross Section

94-Pu-238  
-100.0 To -70.33%



9

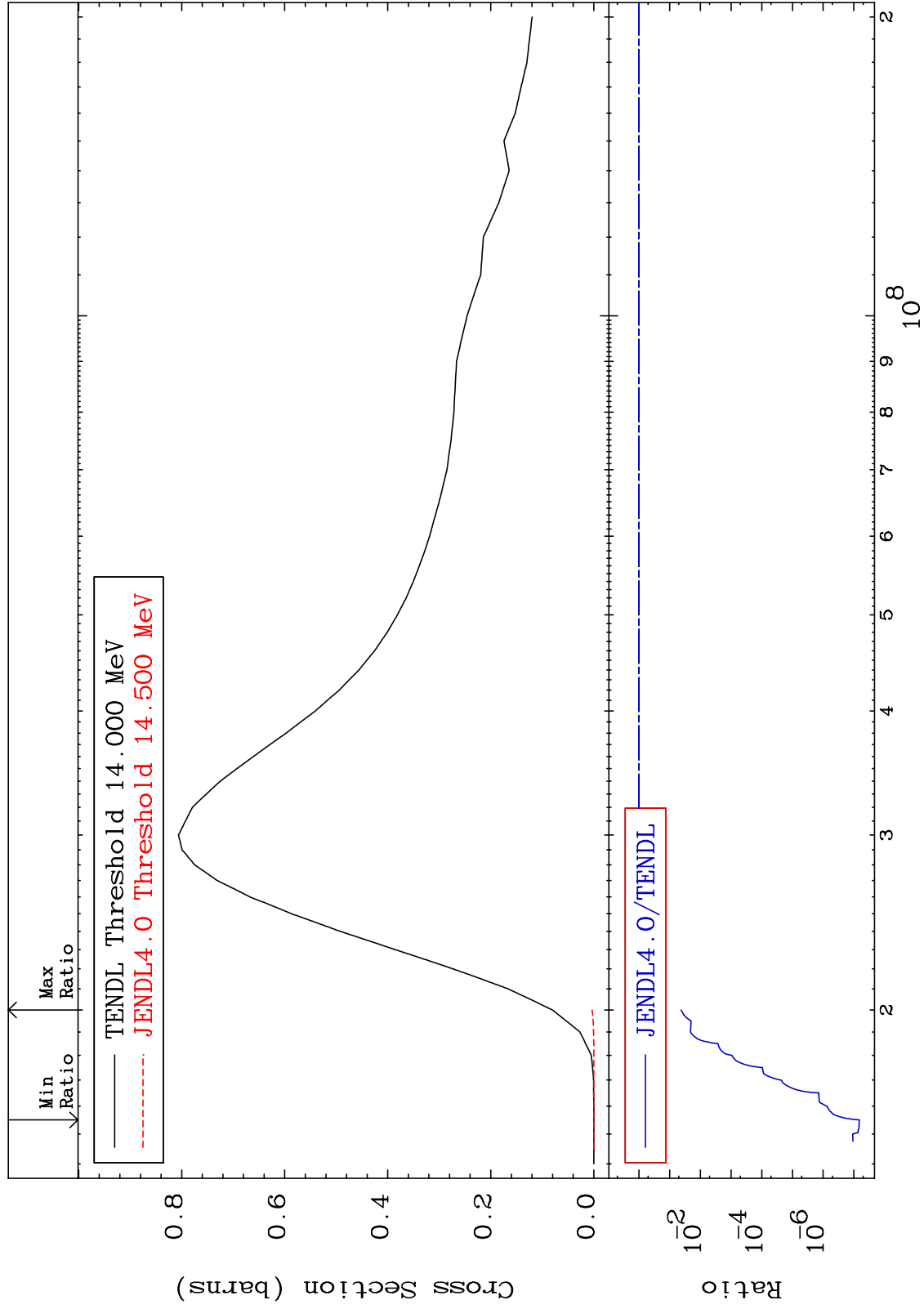
Incident Energy (eV)

94-Pu-238

MAT 9434

(n,3nf) Fourth Chance  
Cross Section

94-Pu-238  
-100.0 To -95.76%



10

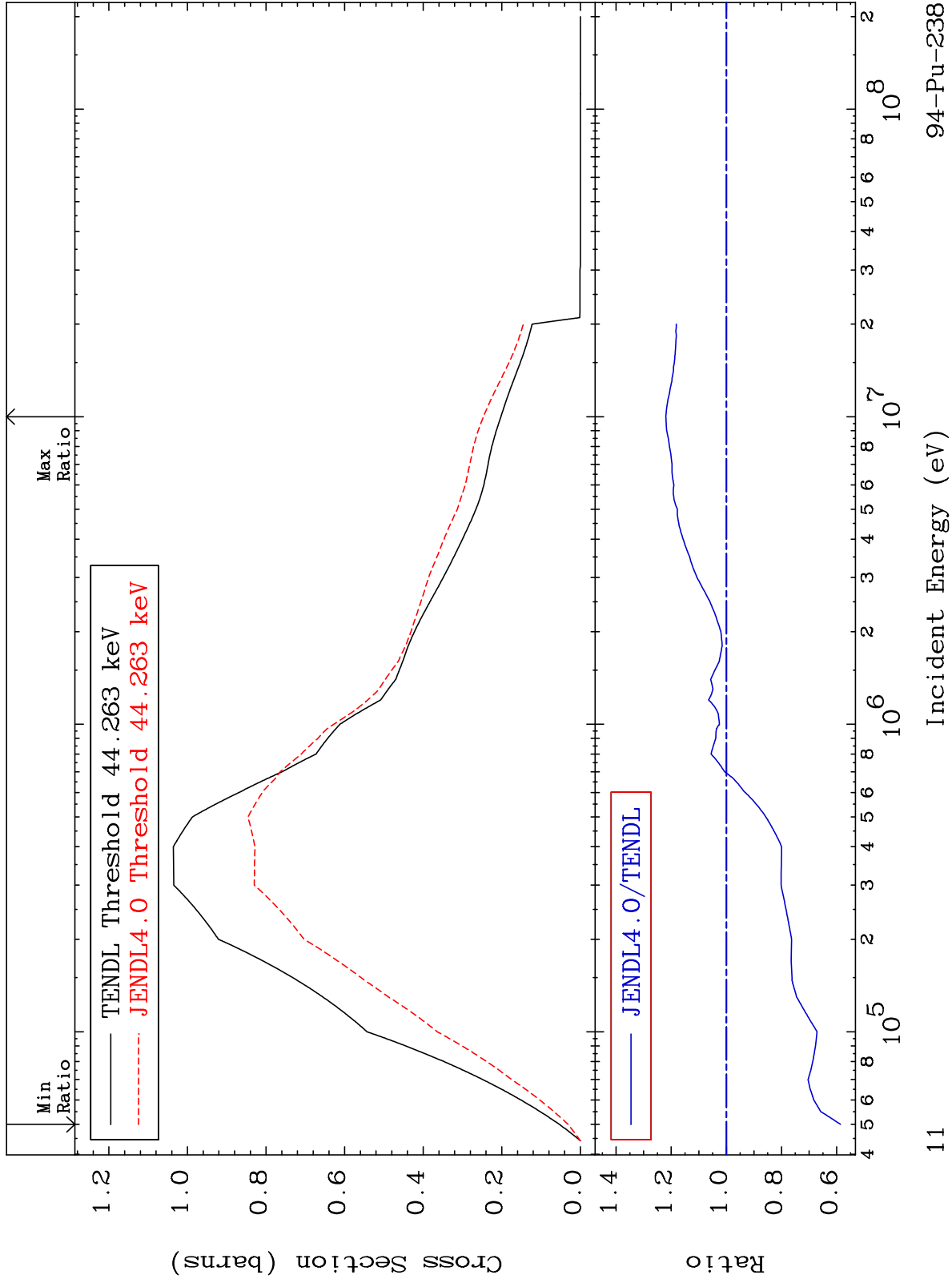
Incident Energy (eV)

94-Pu-238

MAT 9434

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

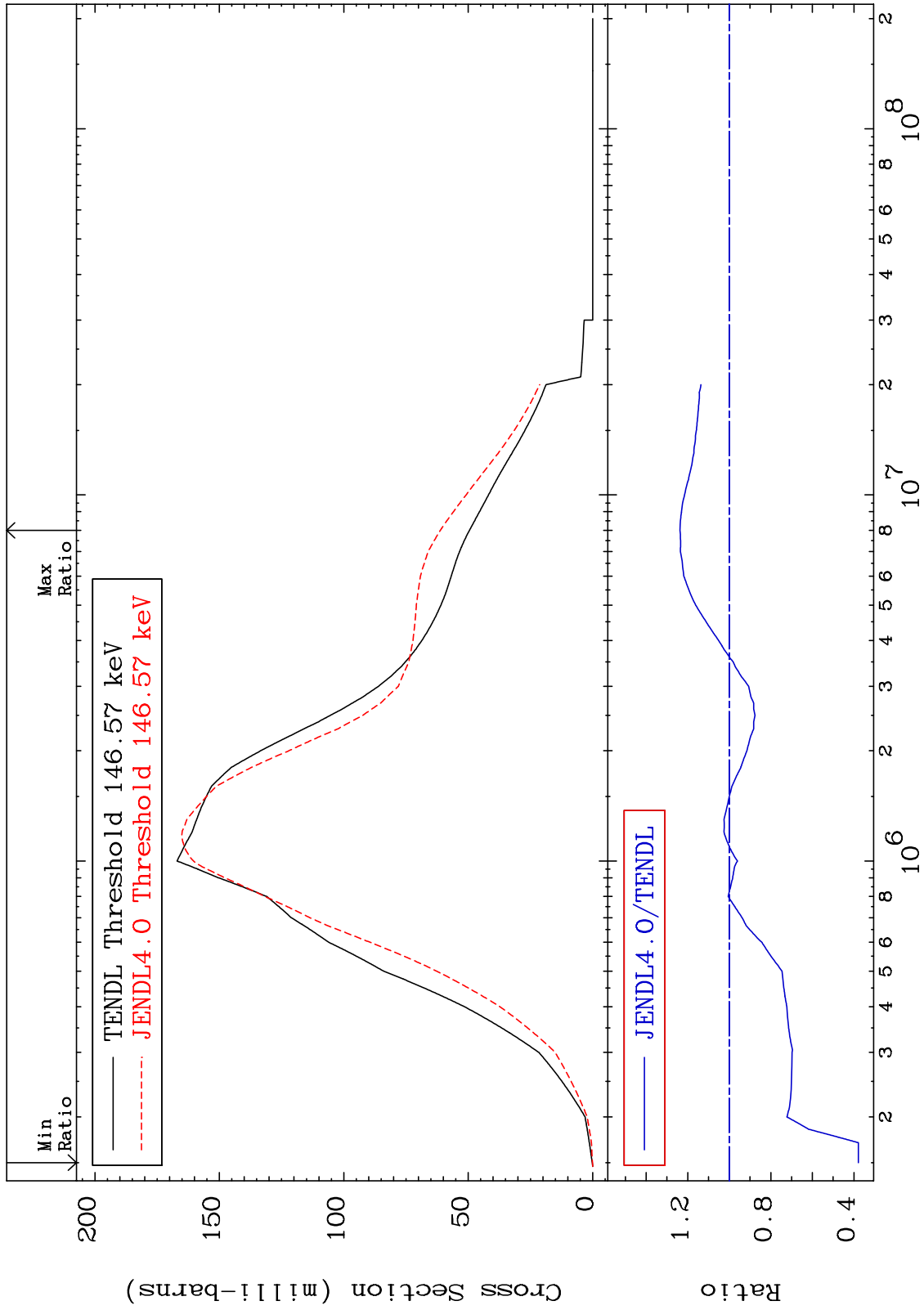
94-Pu-238  
-41.40 To 21.95 %



MAT 9434

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

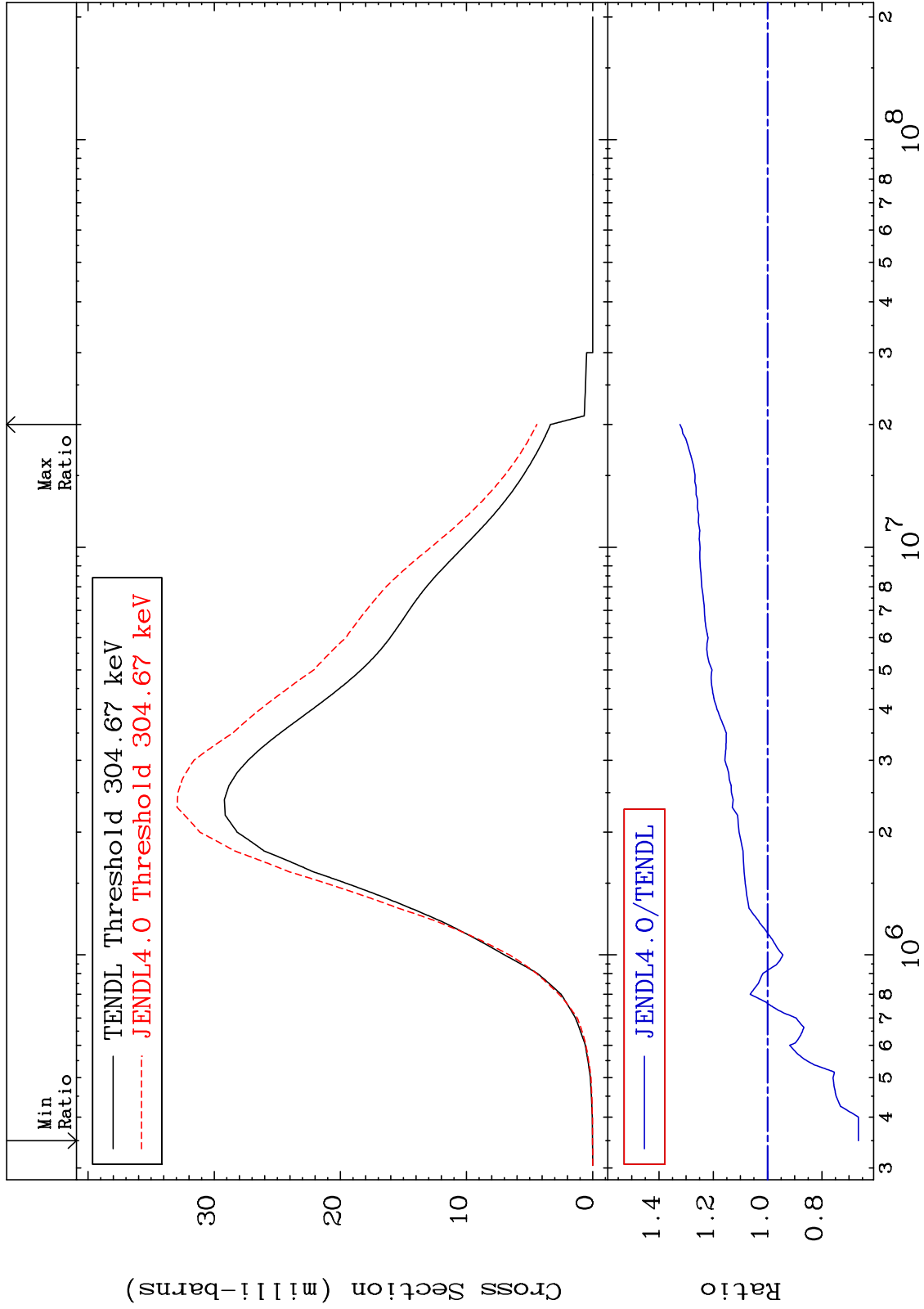
94-Pu-238  
-62.15 To 23.70 %



MAT 9434

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

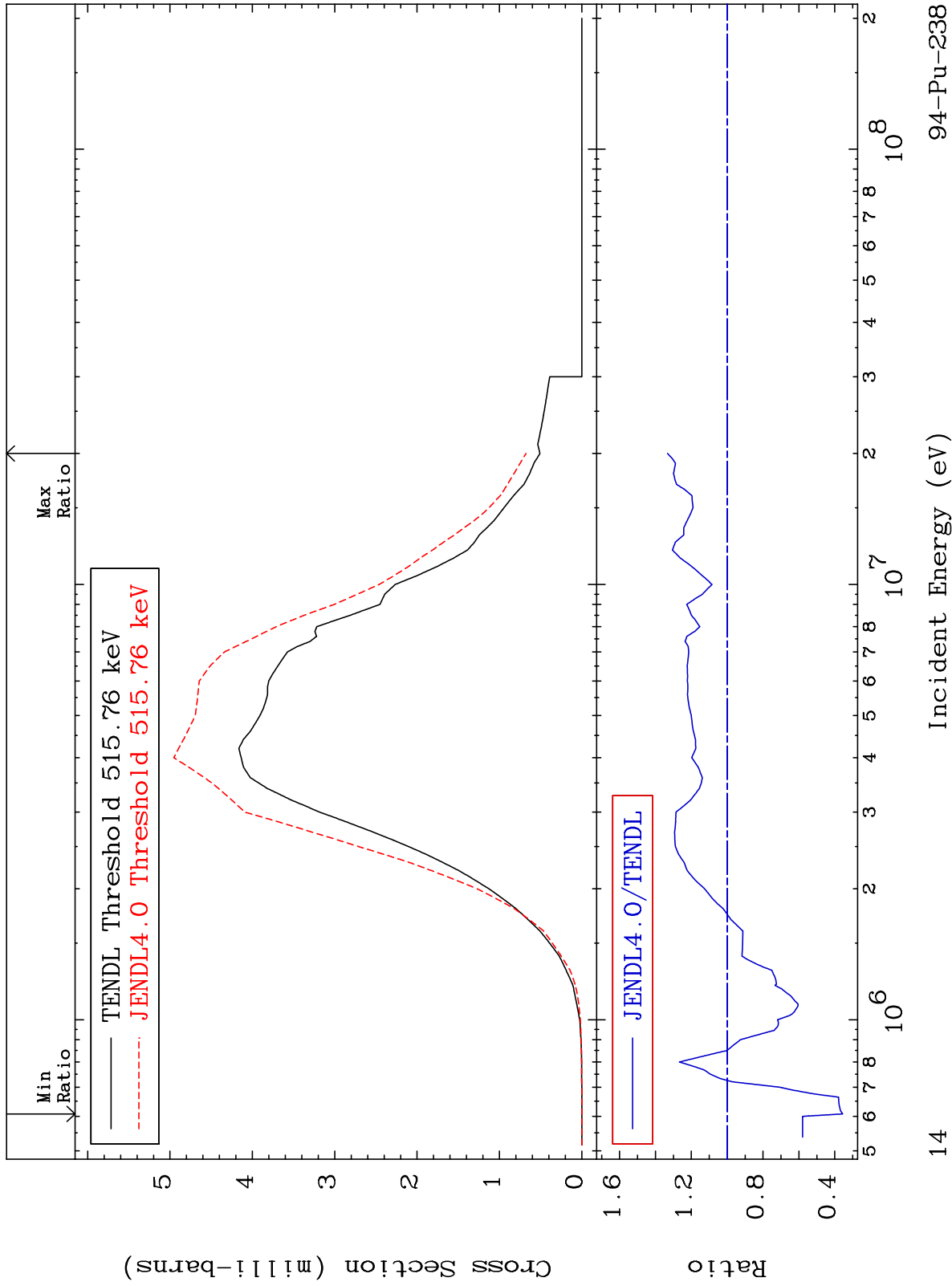
94-Pu-238  
-33.46 To 32.23 %



13

94-Pu-238

MAT 9434 MT= 54 (n,n') Level Cross Section -64.39 To 33.27 % 94-Pu-238



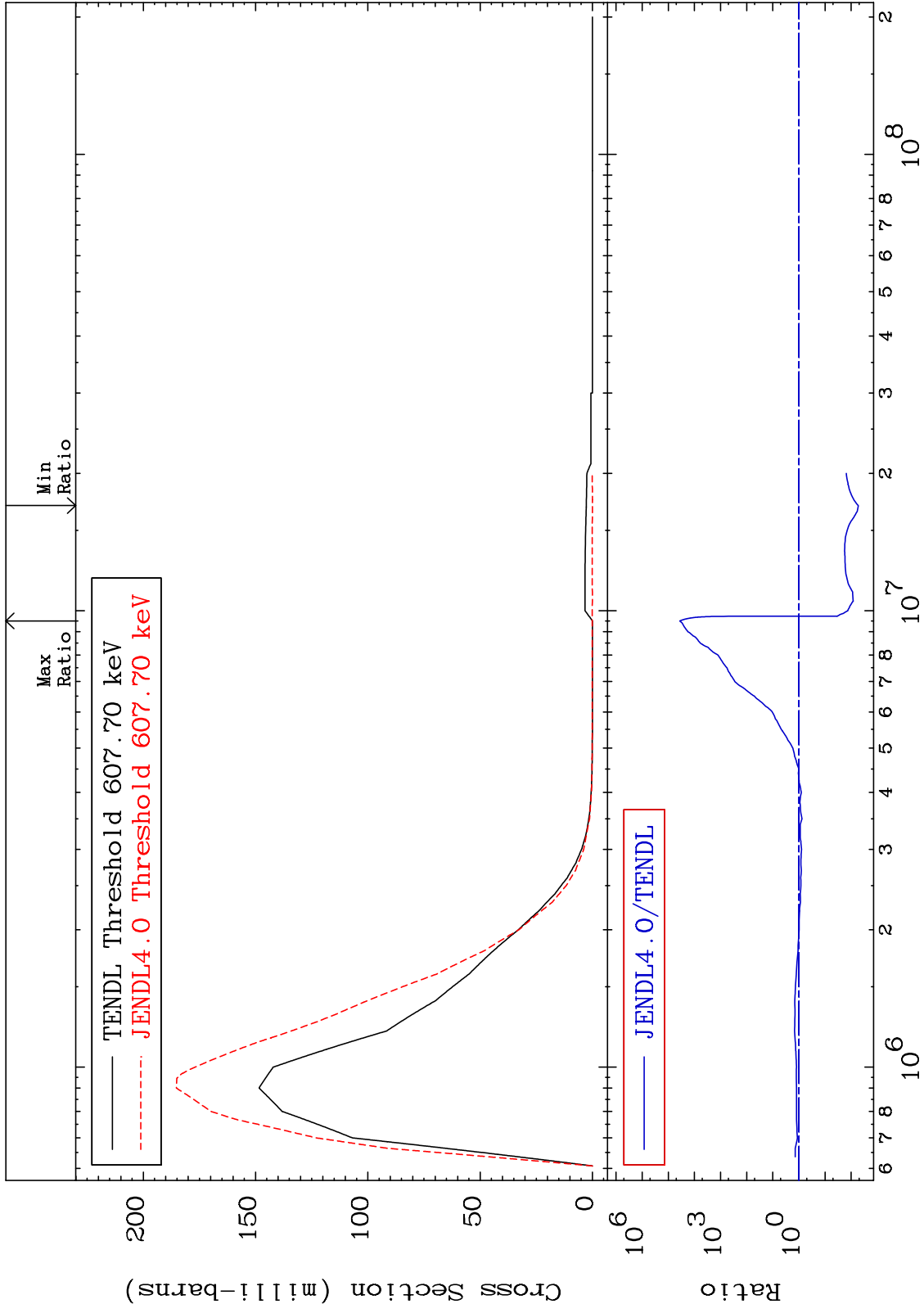
MAT 9434

MT= 55 (n,n') Level

94-Pu-238

-99.47 To 9999. %

Cross Section



— TENDL Threshold 607.70 keV  
- - - JENDL4.0 Threshold 607.70 keV

— JENDL4.0/TENDL

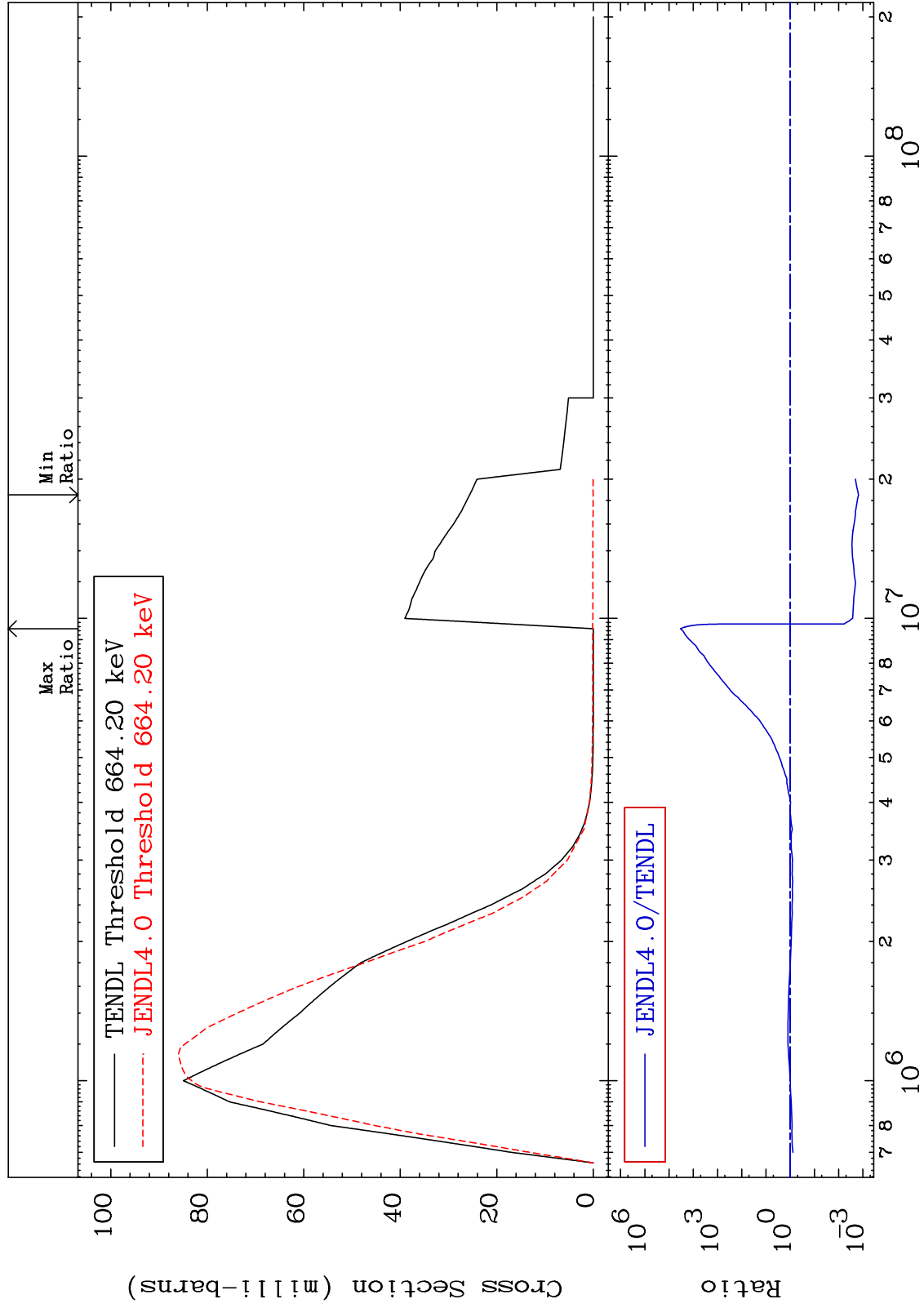
MAT 9434

MT= 56 (n,n') Level

94-Pu-238

-99.85 To 9999. %

Cross Section



16

Incident Energy (eV)

94-Pu-238

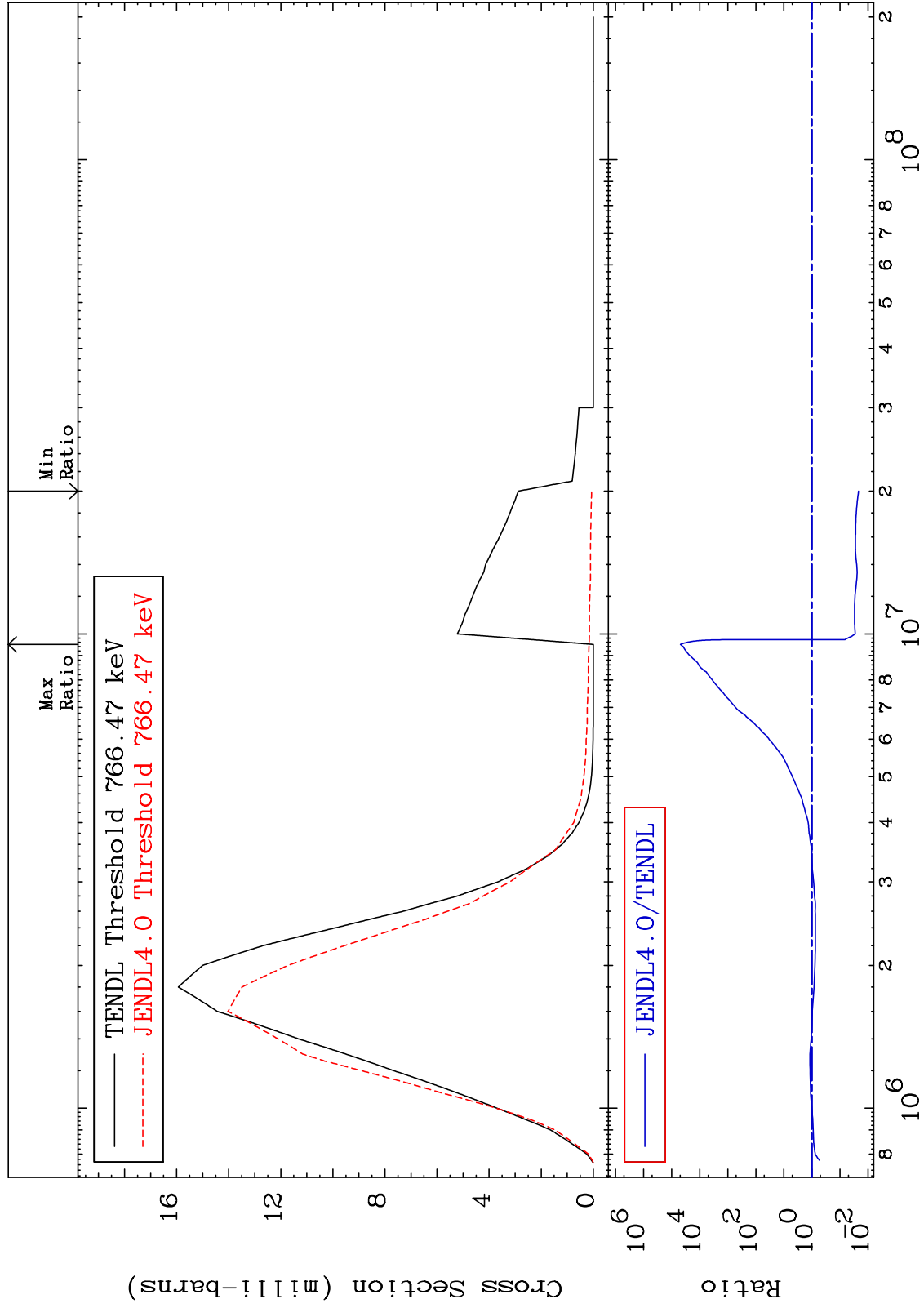
MAT 9434

MT= 57 (n,n') Level

94-Pu-238

-97.81 To 9999. %

Cross Section



17

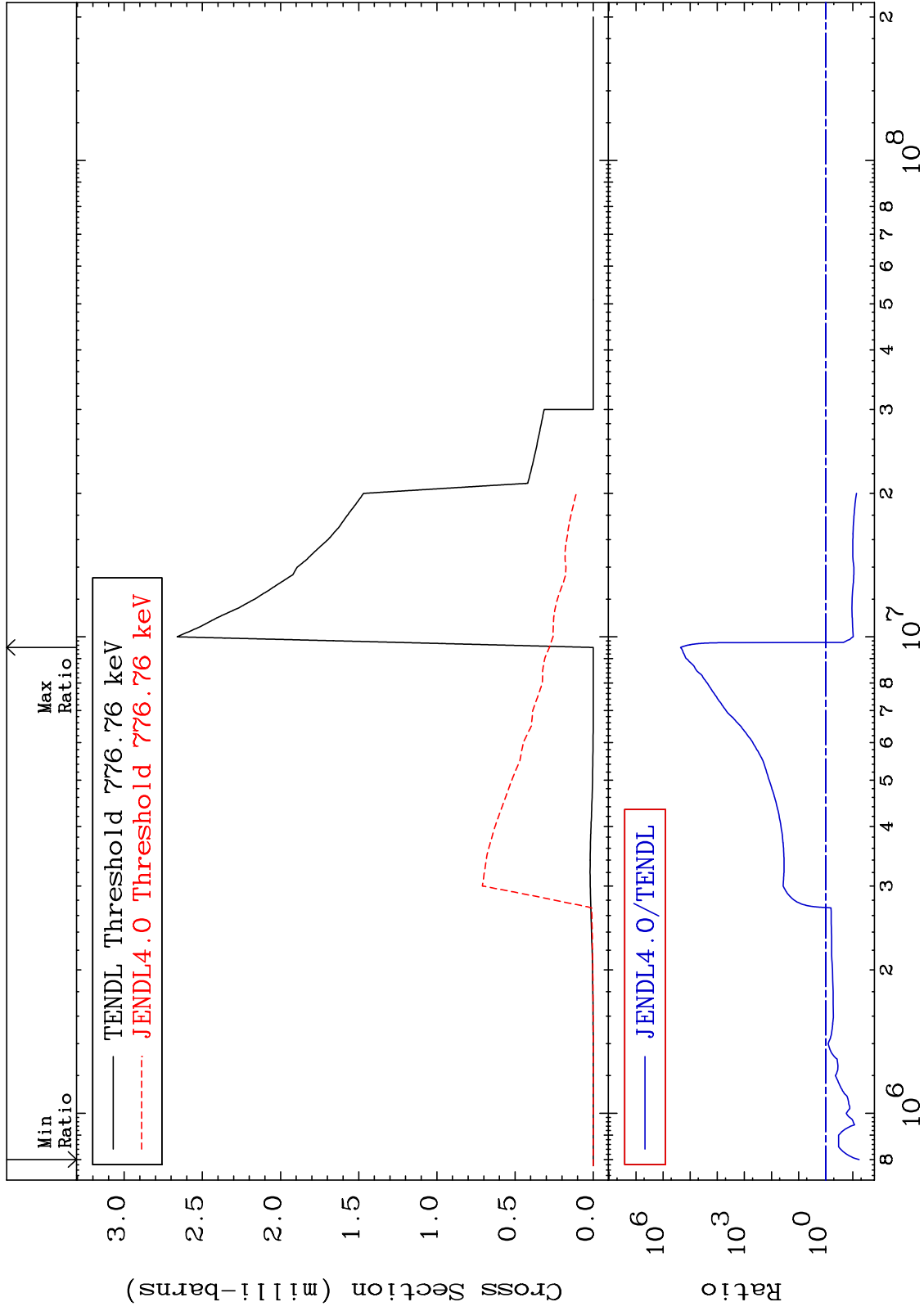
Incident Energy (eV)

94-Pu-238

MAT 9434

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

94-Pu-238  
-94.16 To 9999. %



18

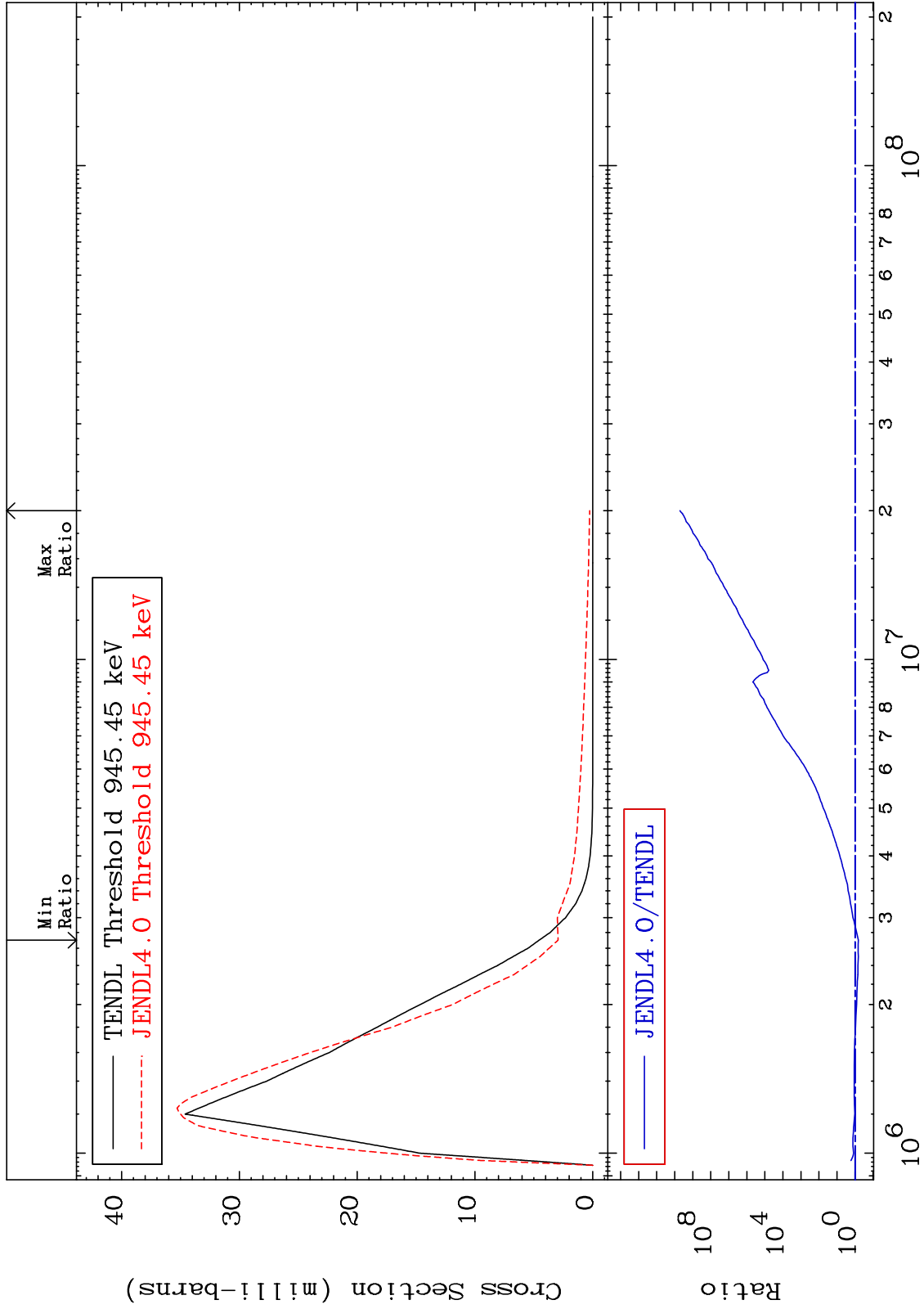
Incident Energy (eV)

94-Pu-238

MAT 9434

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

94-Pu-238  
-35.32 To 9999. %

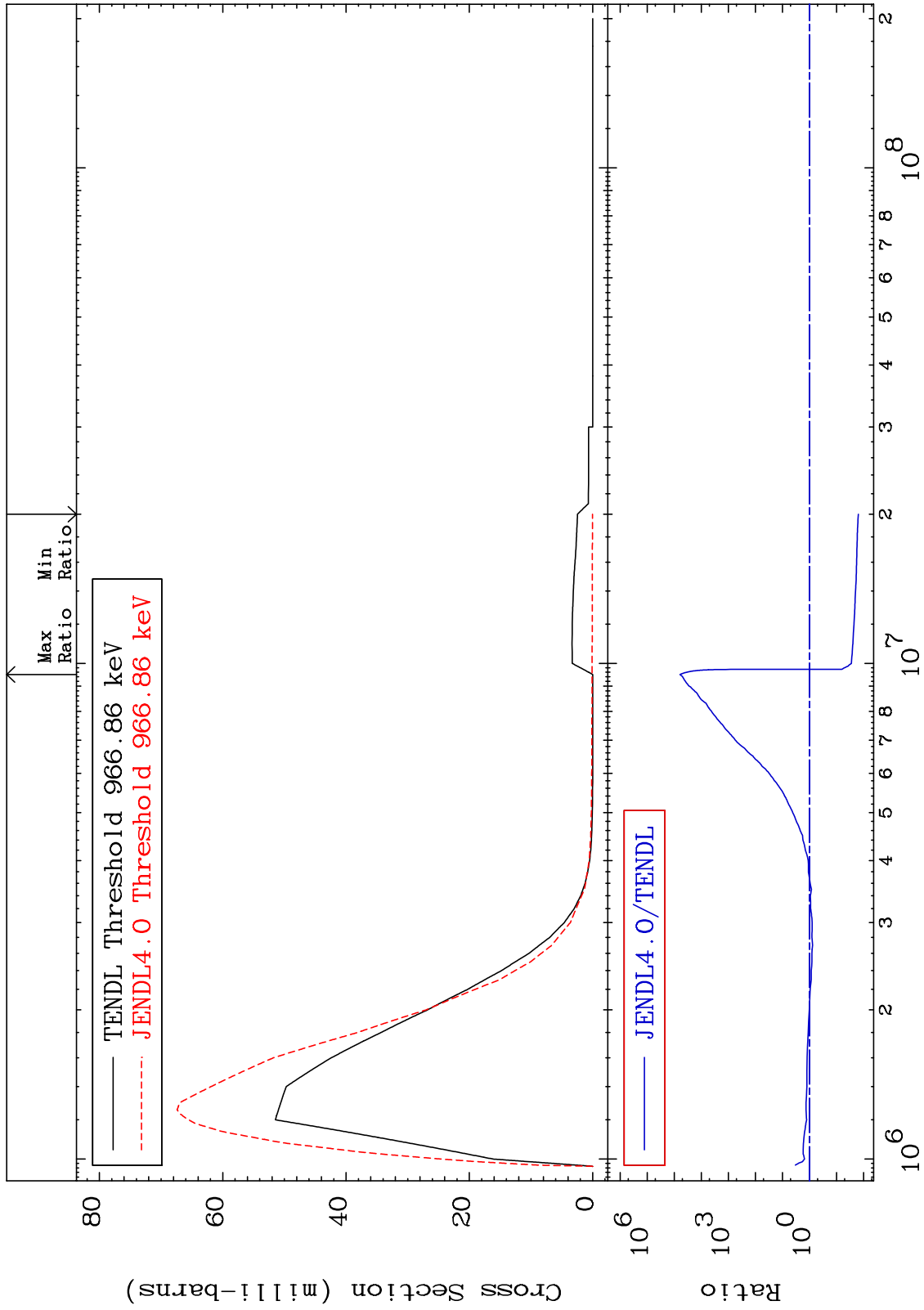


19 94-Pu-238

MAT 9434

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

94-Pu-238  
-98.46 To 9999. %

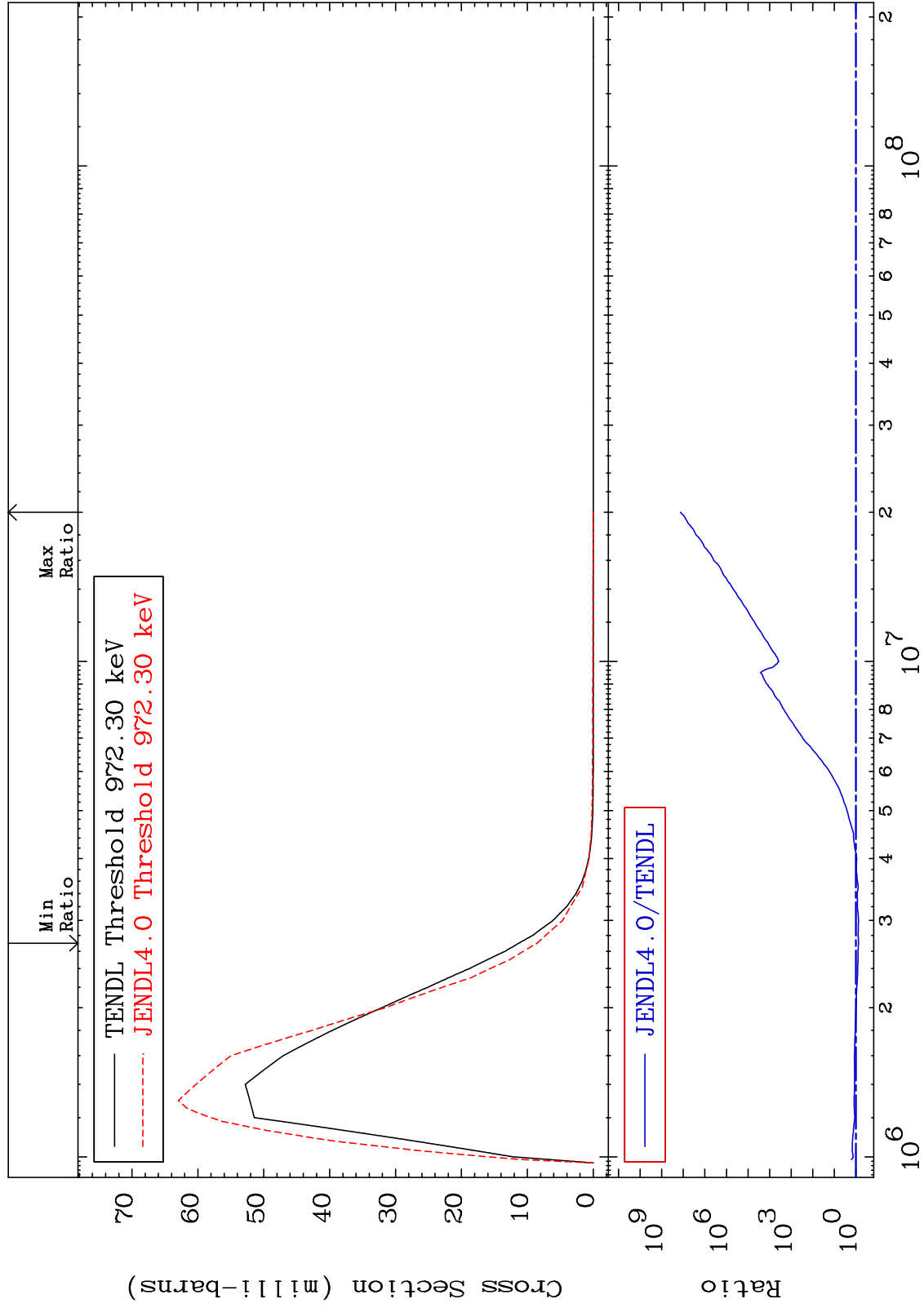


94-Pu-238

MAT 9434

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

94-Pu-238  
-24.45 To 9999. %



21

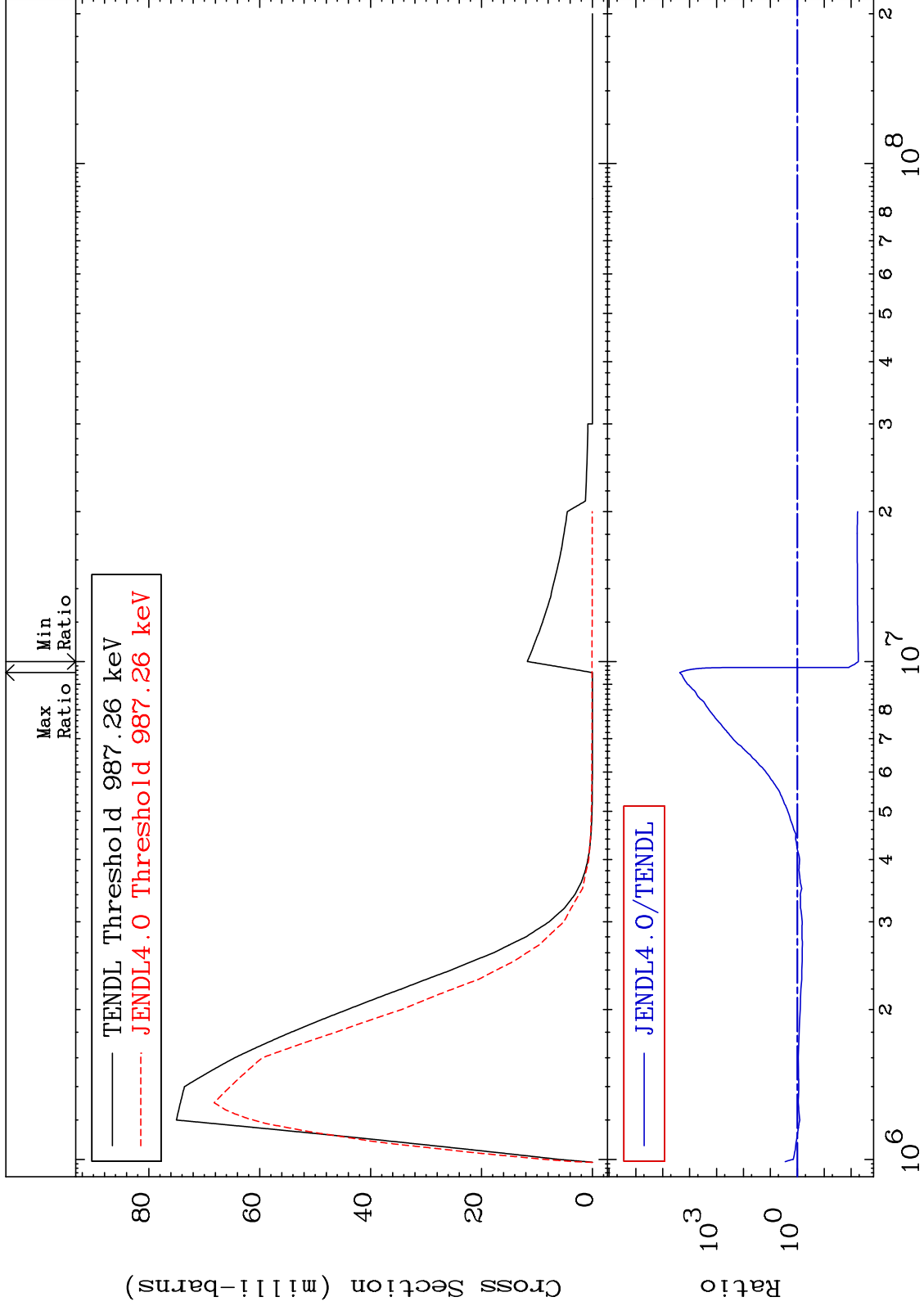
Incident Energy (eV)

94-Pu-238

MAT 9434

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

94-Pu-238  
-99.46 To 9999. %



22

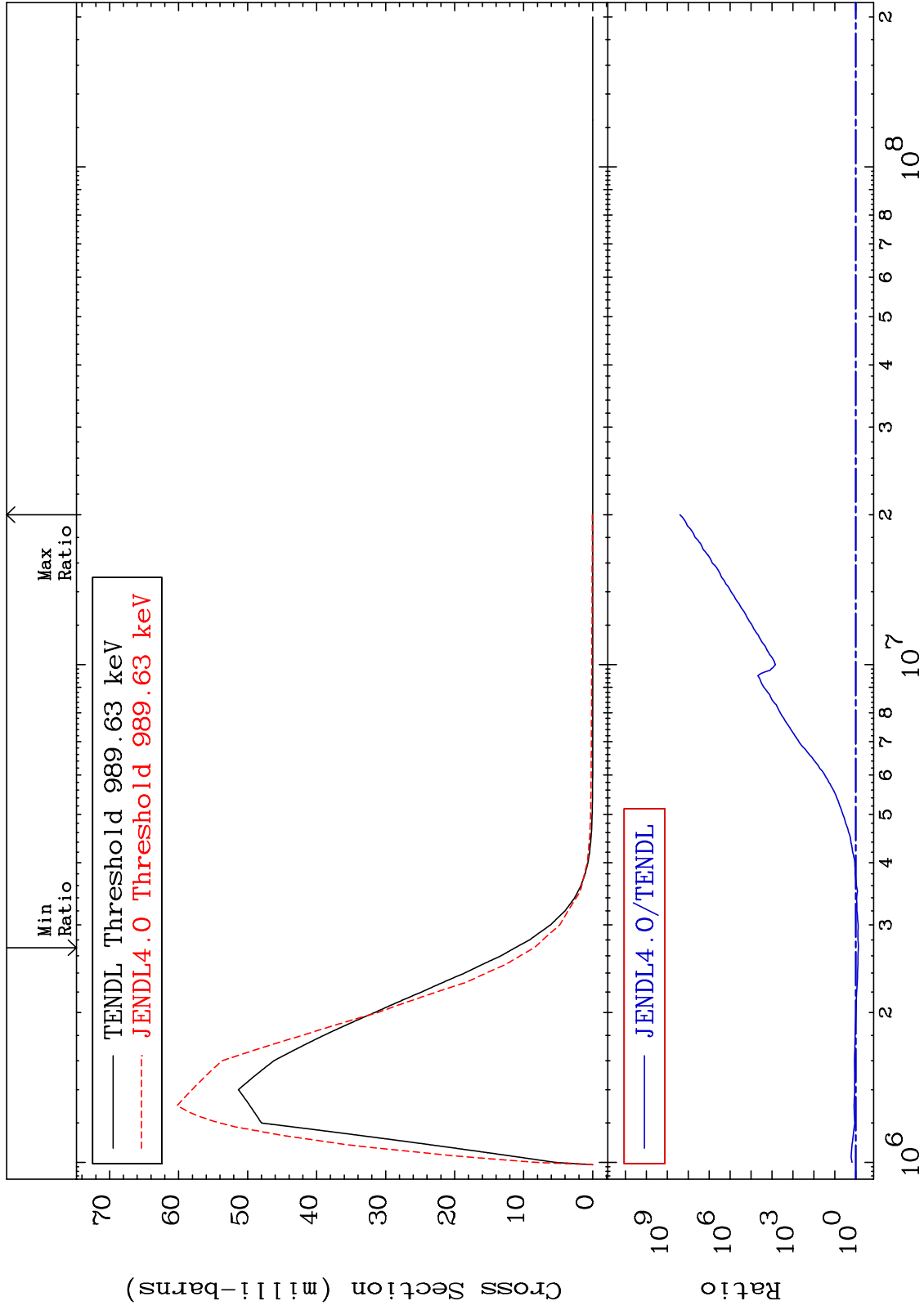
Incident Energy (eV)

94-Pu-238

MAT 9434

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

94-Pu-238  
-24.61 To 9999. %



23

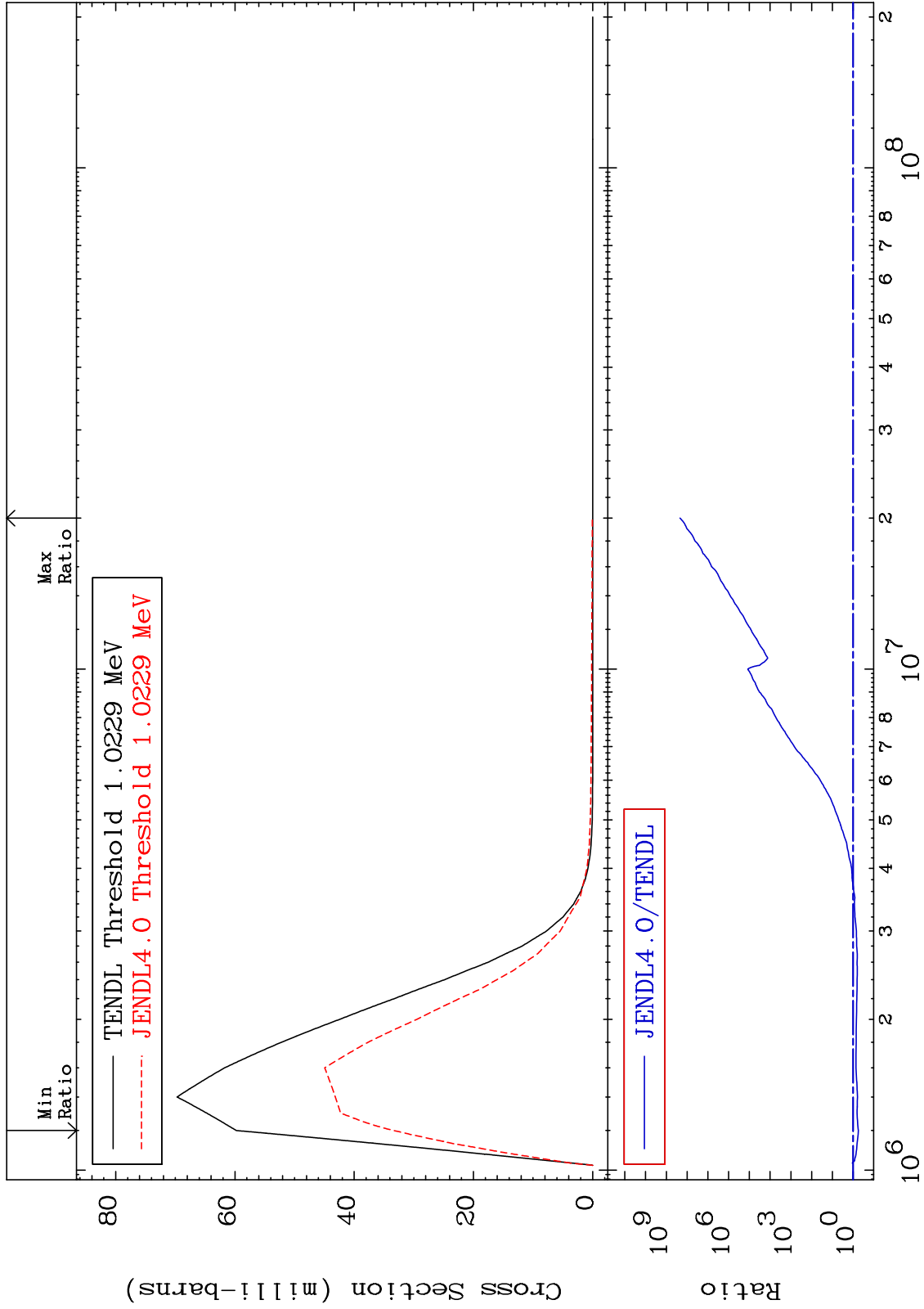
Incident Energy (eV)

94-Pu-238

MAT 9434

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

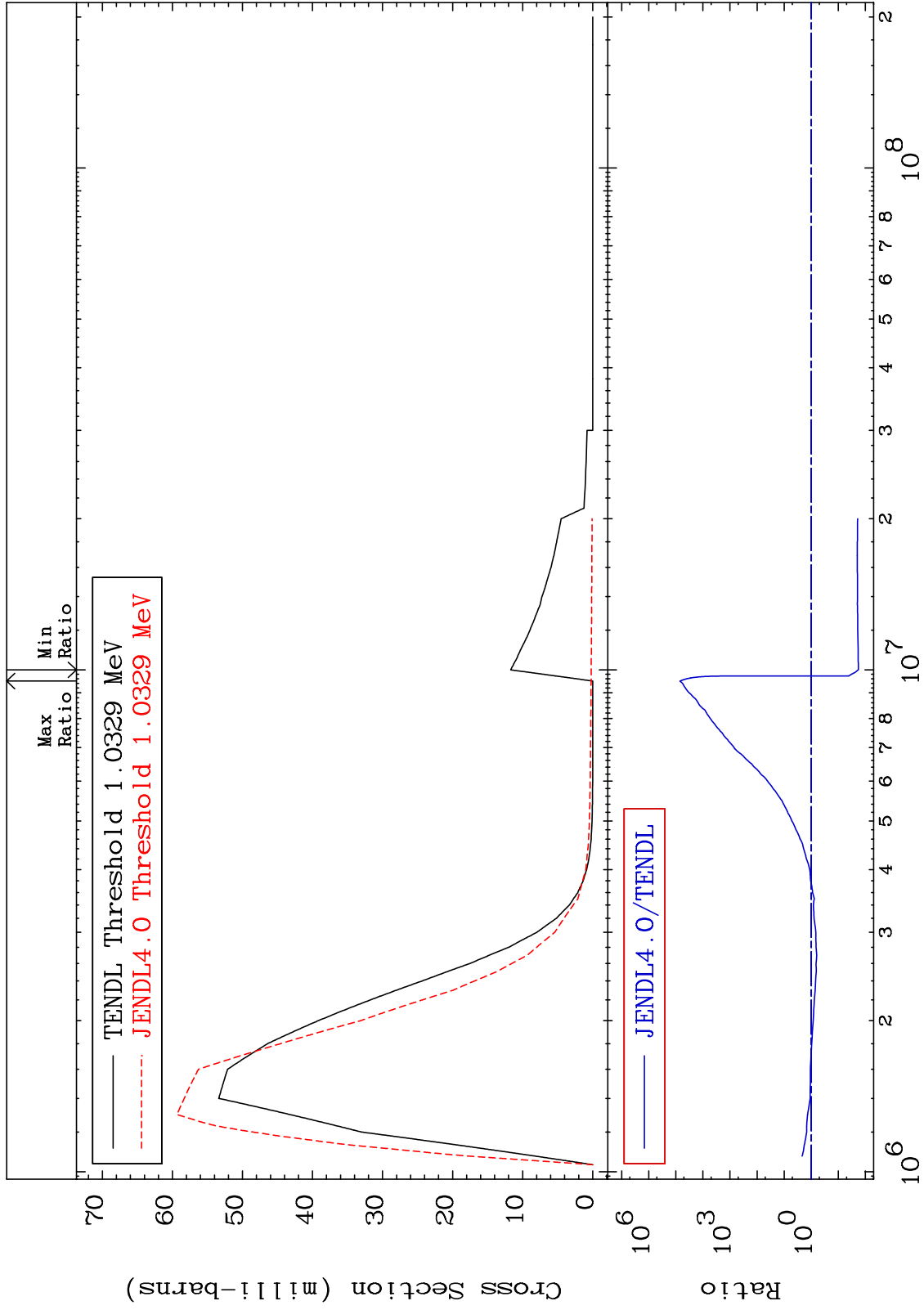
94-Pu-238  
-44.19 To 9999. %



MAT 9434

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

94-Pu-238  
-98.18 To 9999. %



25

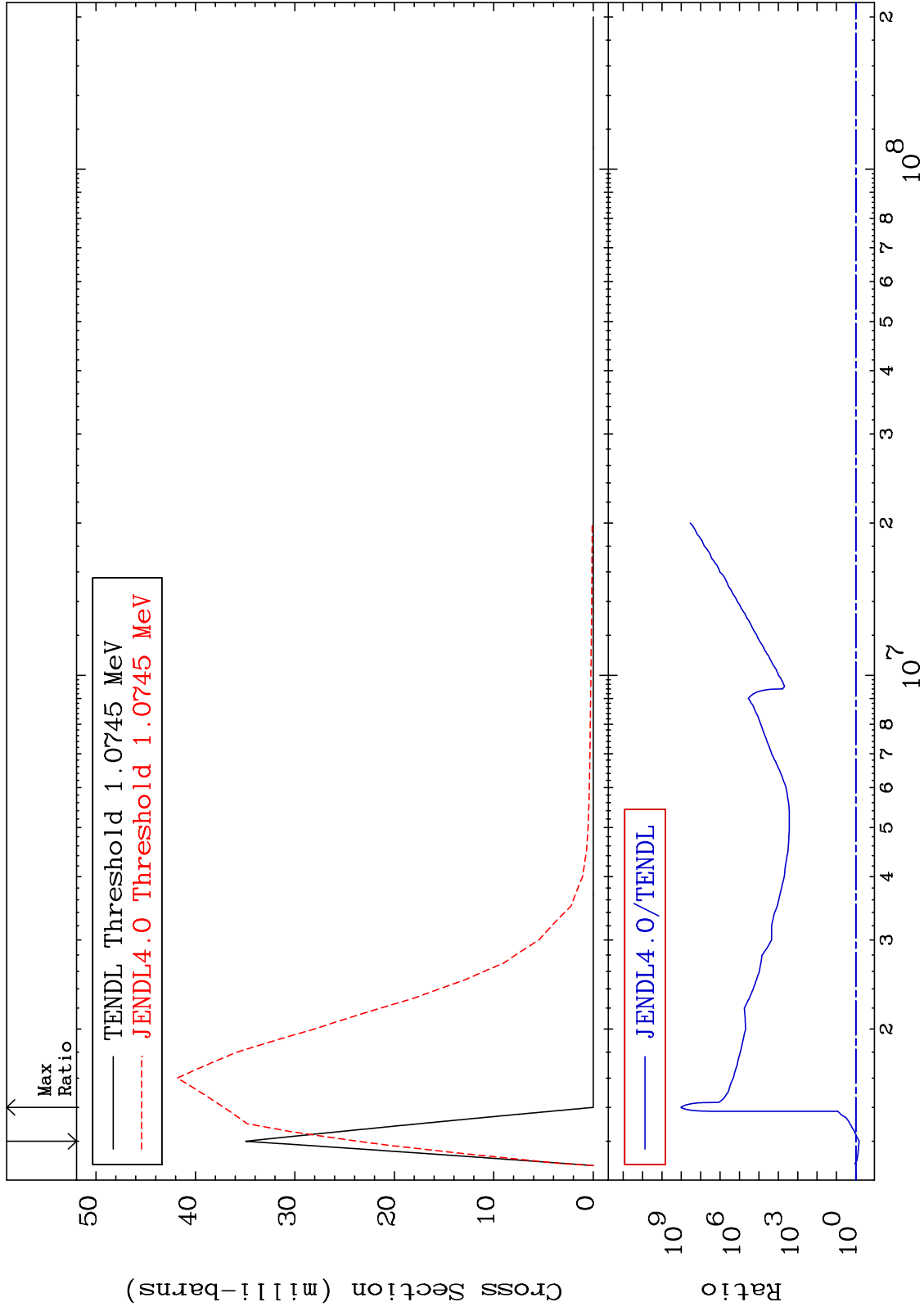
Incident Energy (eV)

94-Pu-238

MAT 9434

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

94-Pu-238  
-32.46 To 9999. %

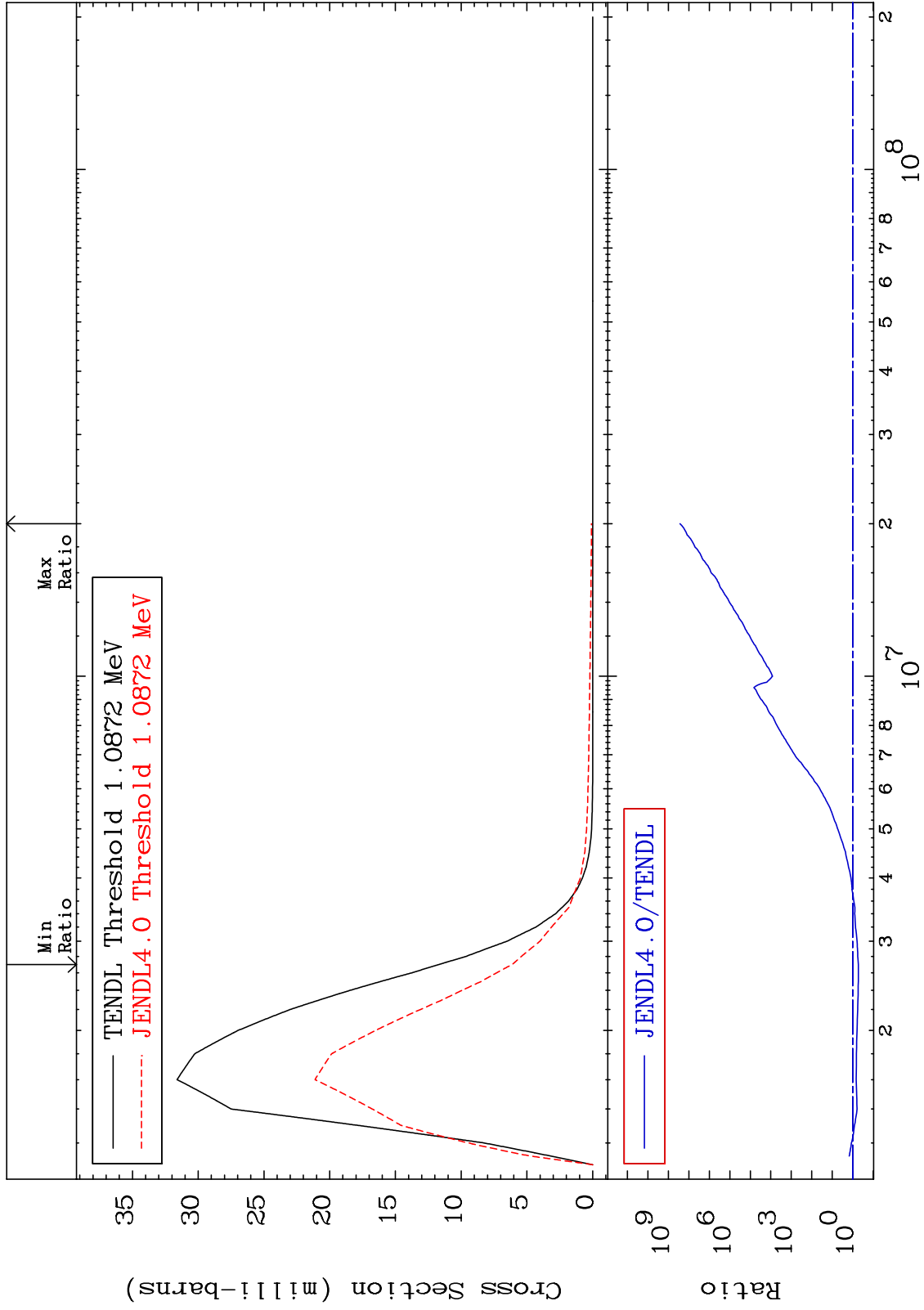




MAT 9434

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

94-Pu-238  
-47.63 To 9999. %



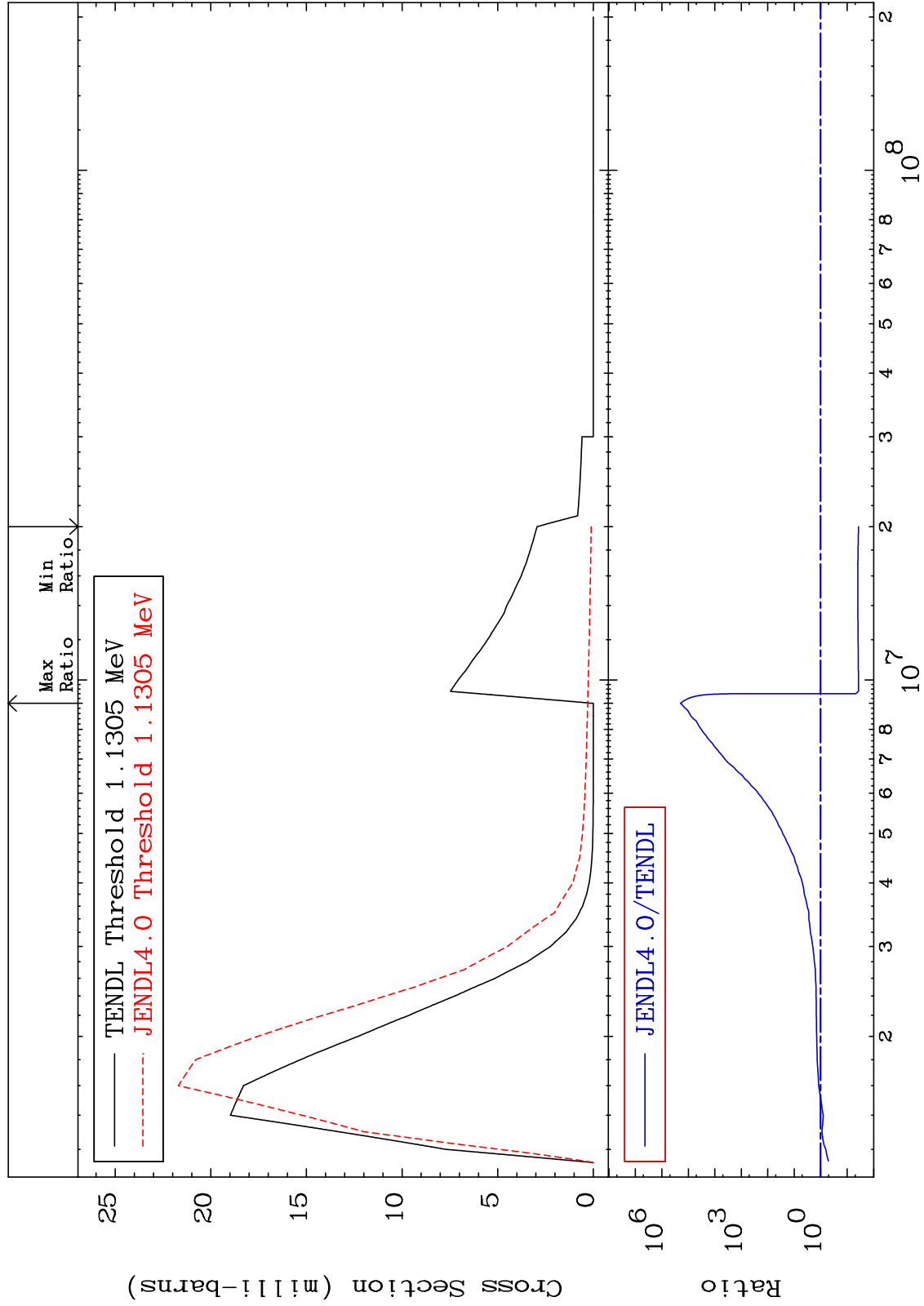
MAT 9434

MT= 69 (n,n') Level

94-Pu-238

-96.28 To 9999. %

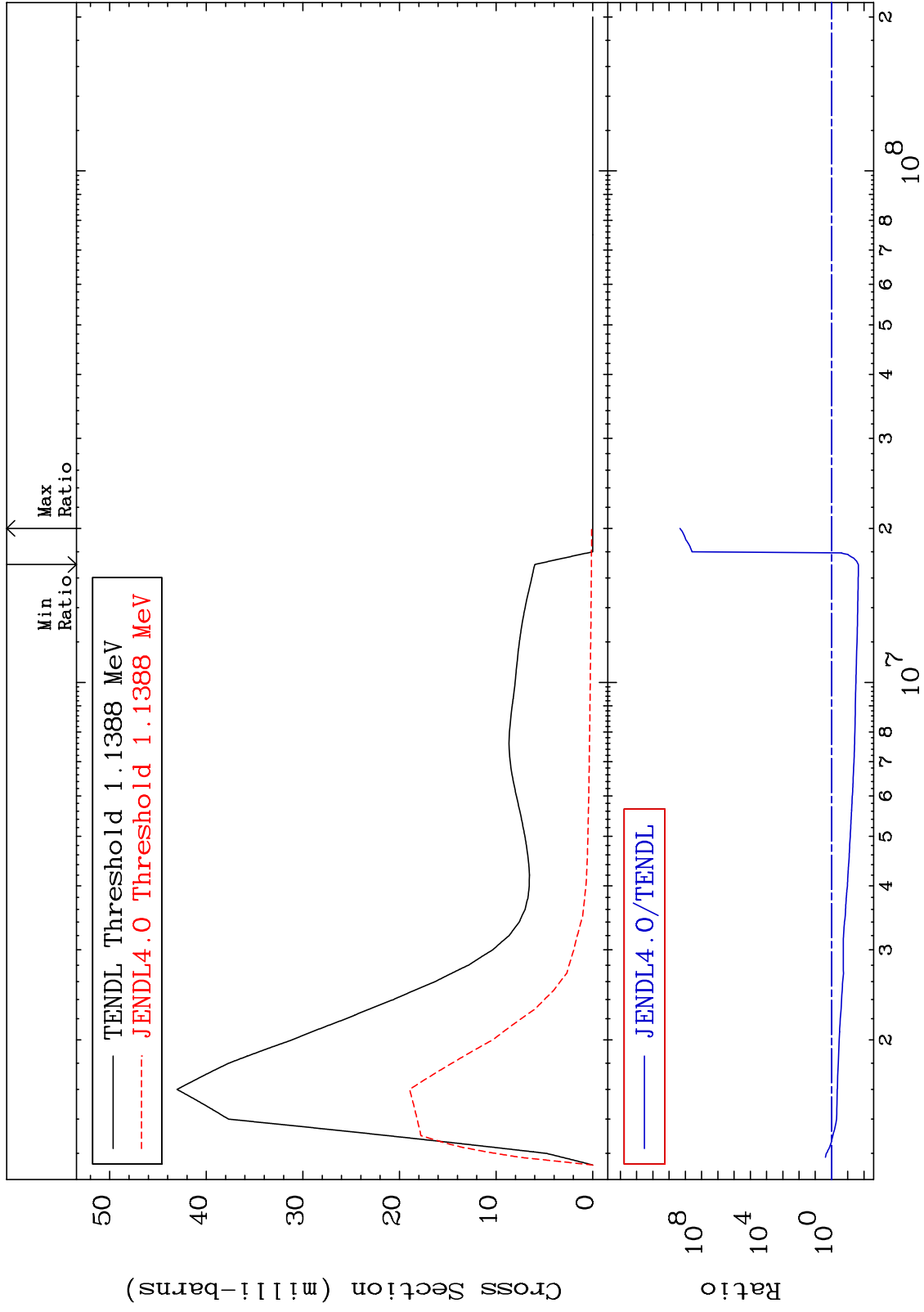
Cross Section



MAT 9434

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

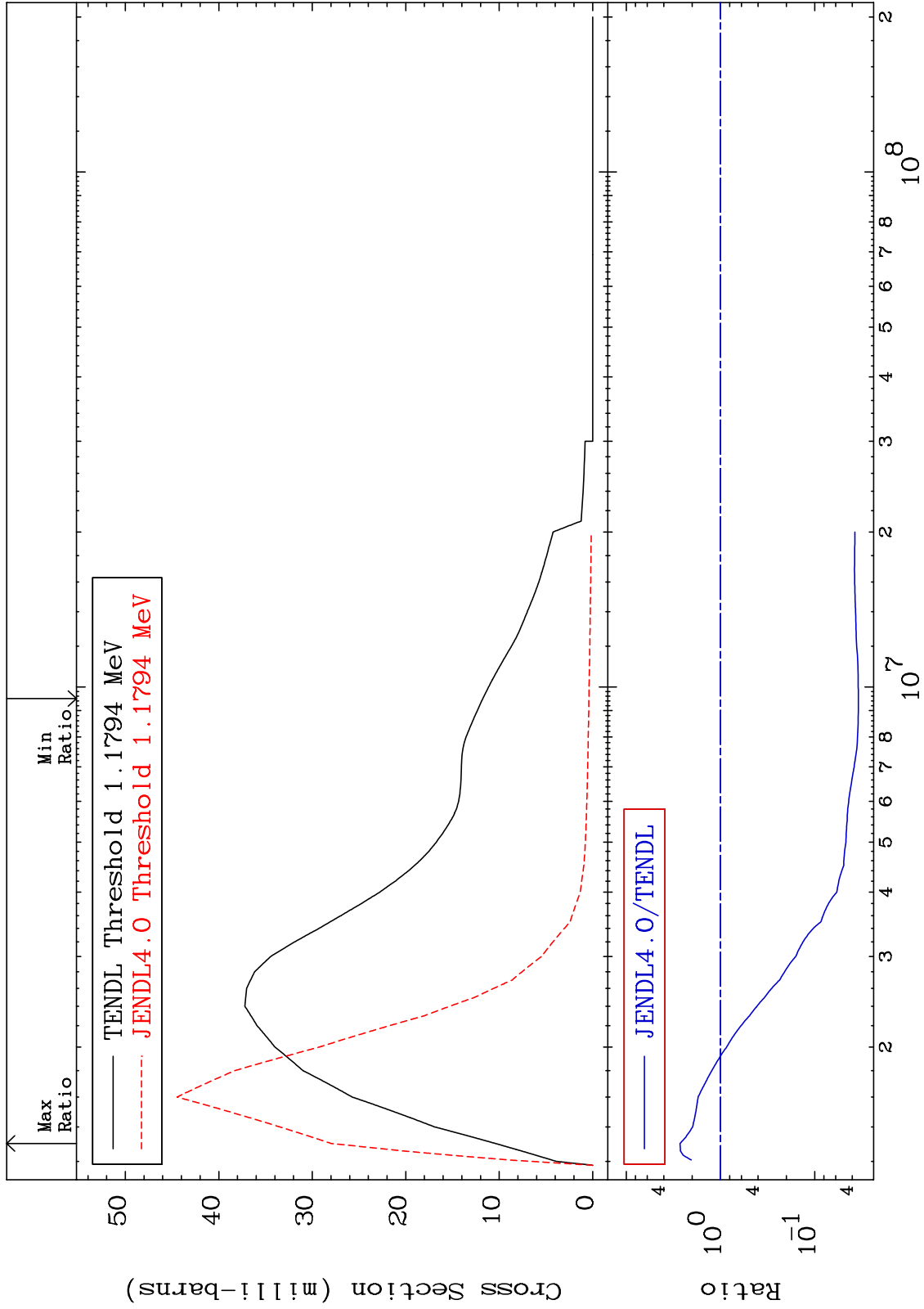
94-Pu-238  
-97.79 To 9999. %



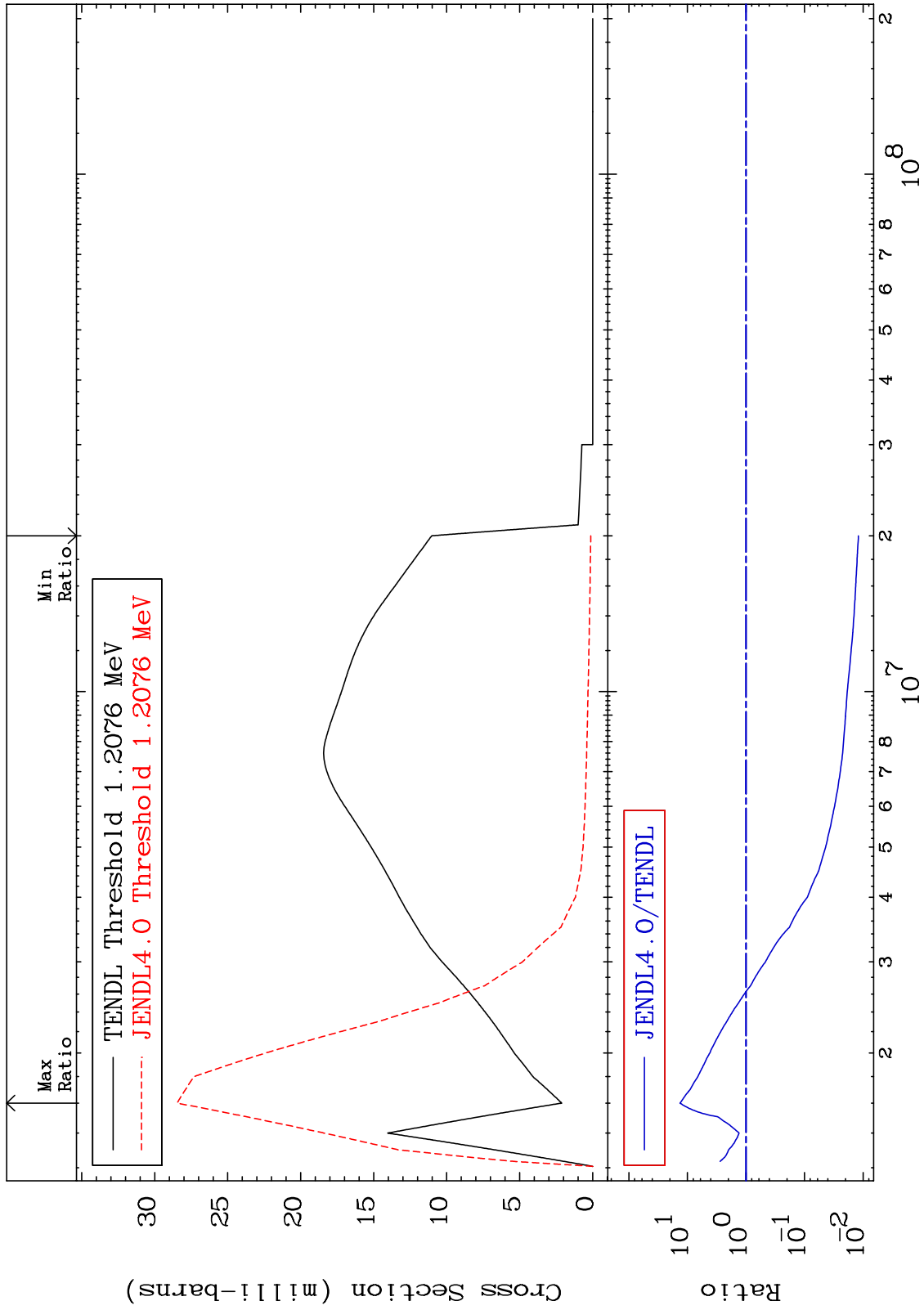
MAT 9434

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

94-Pu-238  
-96.56 To 168.8 %



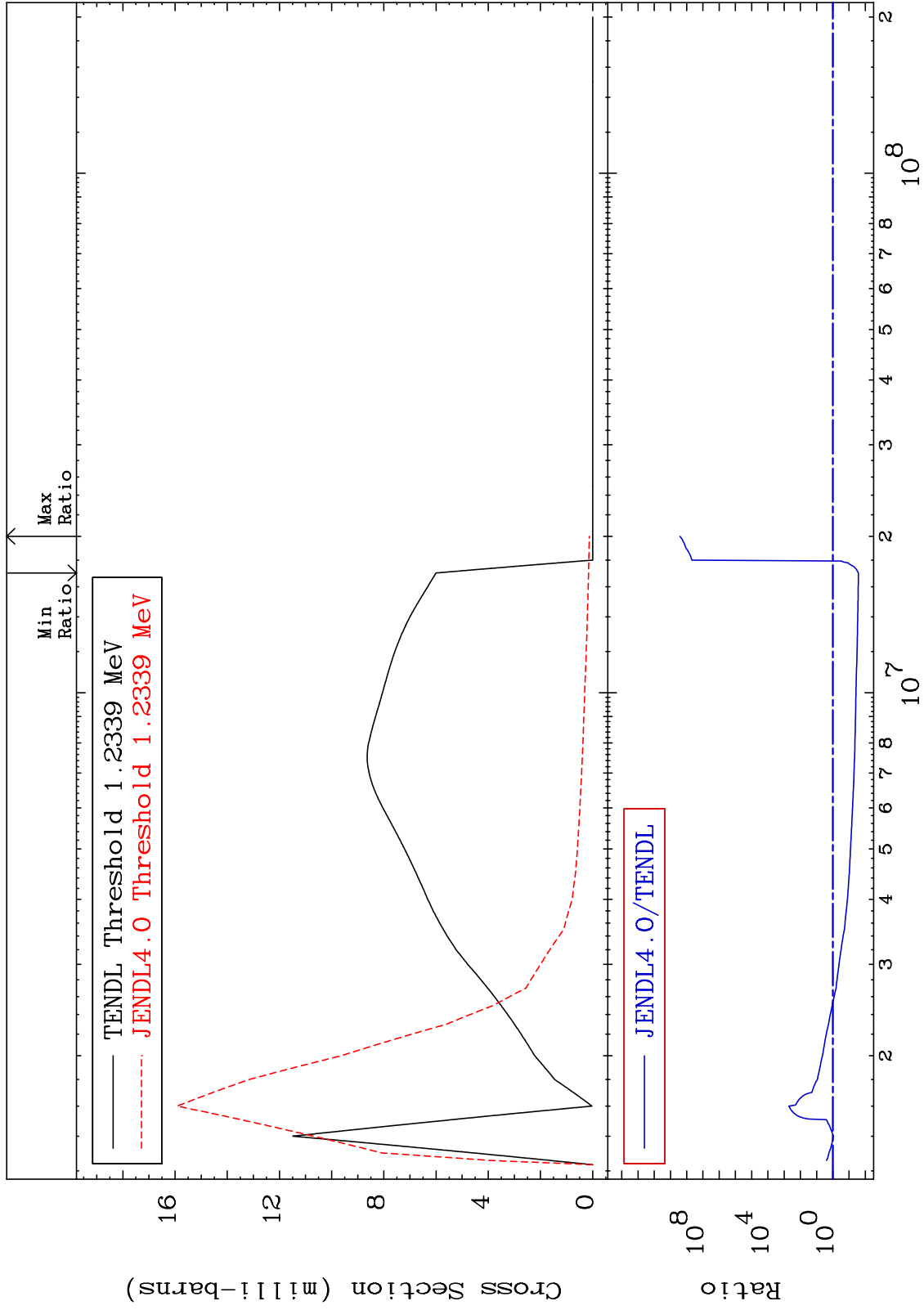
MAT 9434 MT= 72 (n,n') Level Cross Section 94-Pu-238 -98.80 To 1241. %



MAT 9434

MT= 73 (n,n') Level  
Cross Section

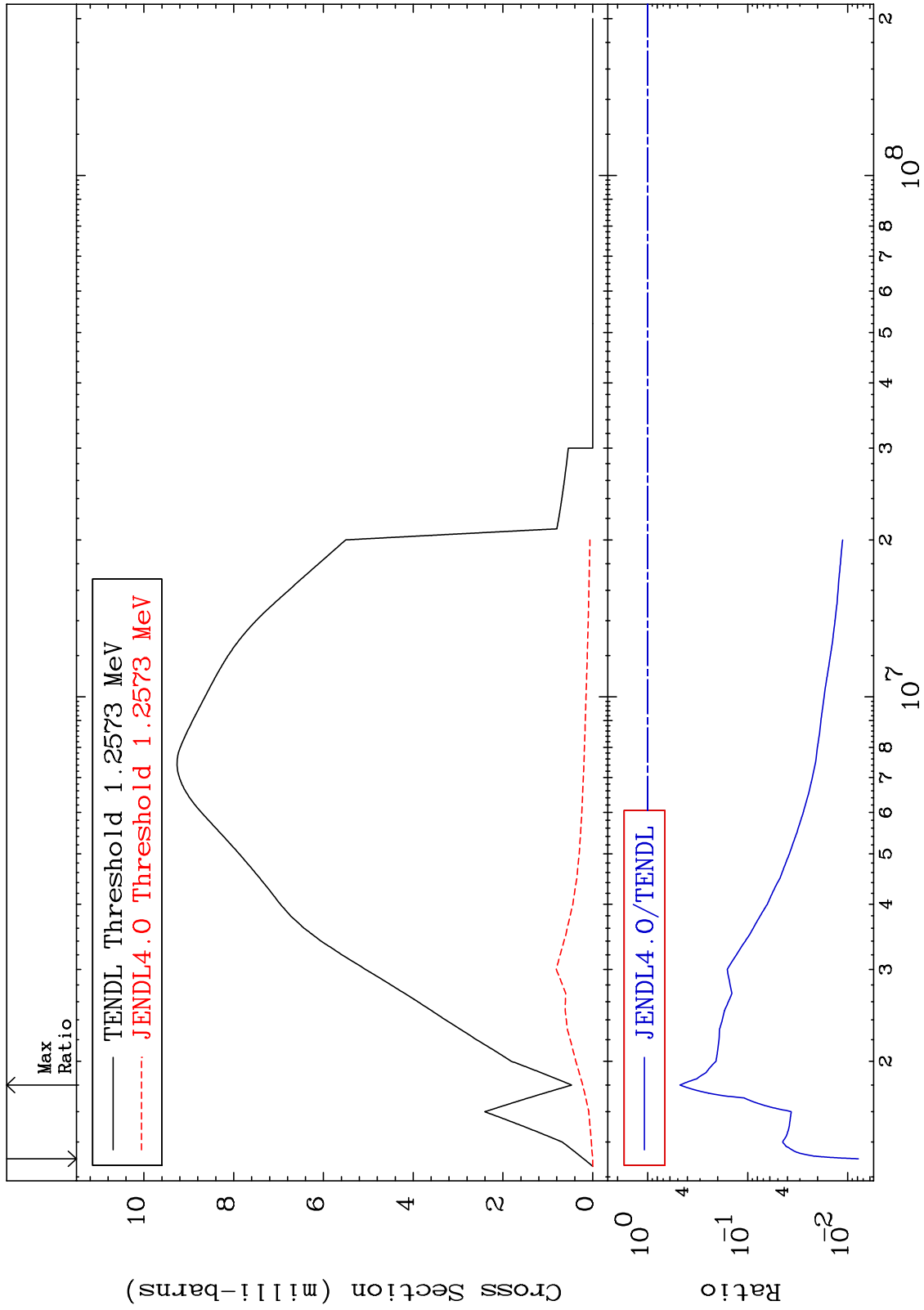
94-Pu-238  
-97.33 To 9999. %



MAT 9434

MT= 74 (n,n') Level  
Cross Section

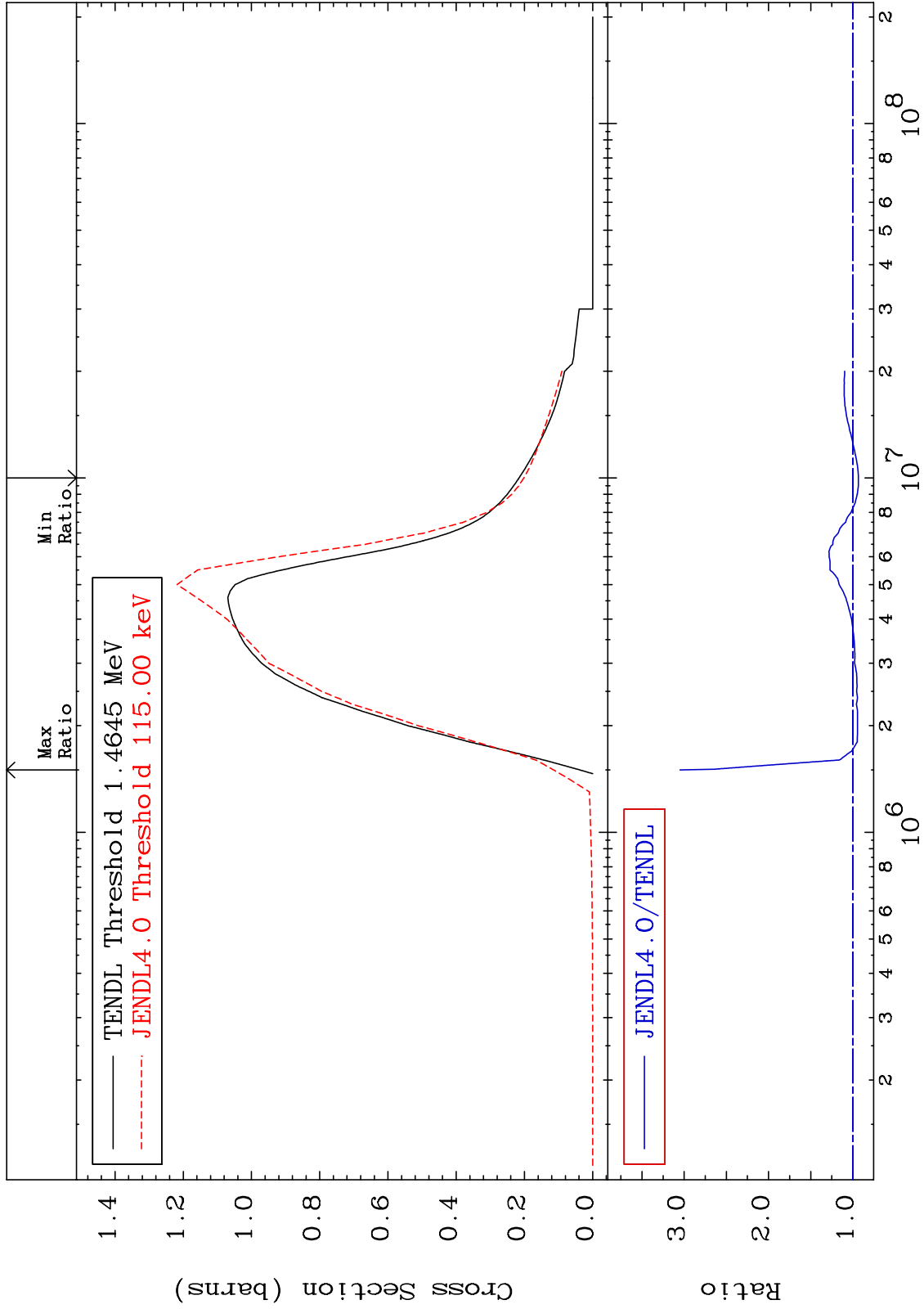
94-Pu-238  
-99.22 To -52.52%



MAT 9434

(n,n') Continuum  
Cross Section

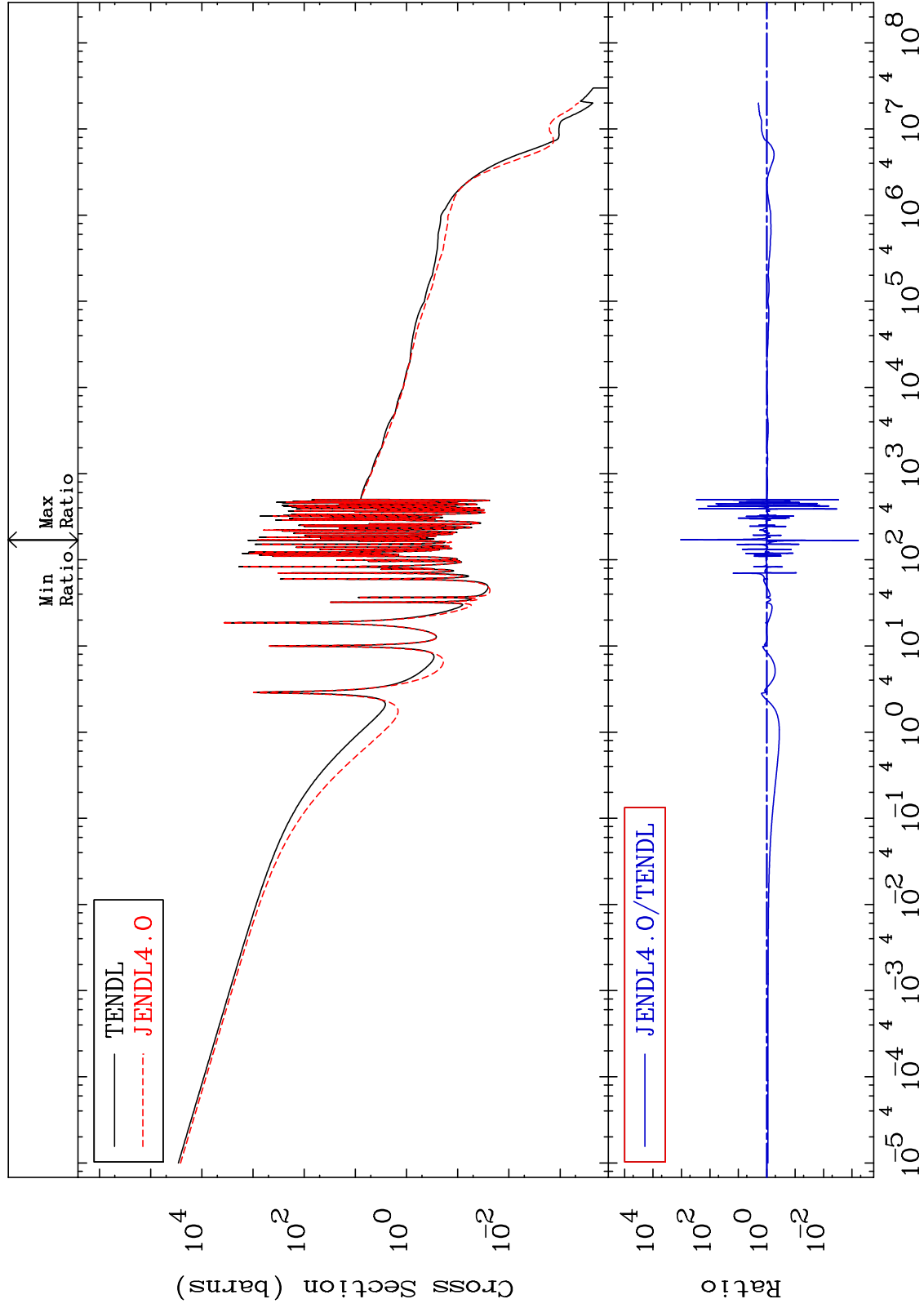
94-Pu-238  
-6.530 To 204.9 %



MAT 9434

(n,  $\gamma$ )  
Cross Section

94-Pu-238  
-99.94 To 9999. %



36

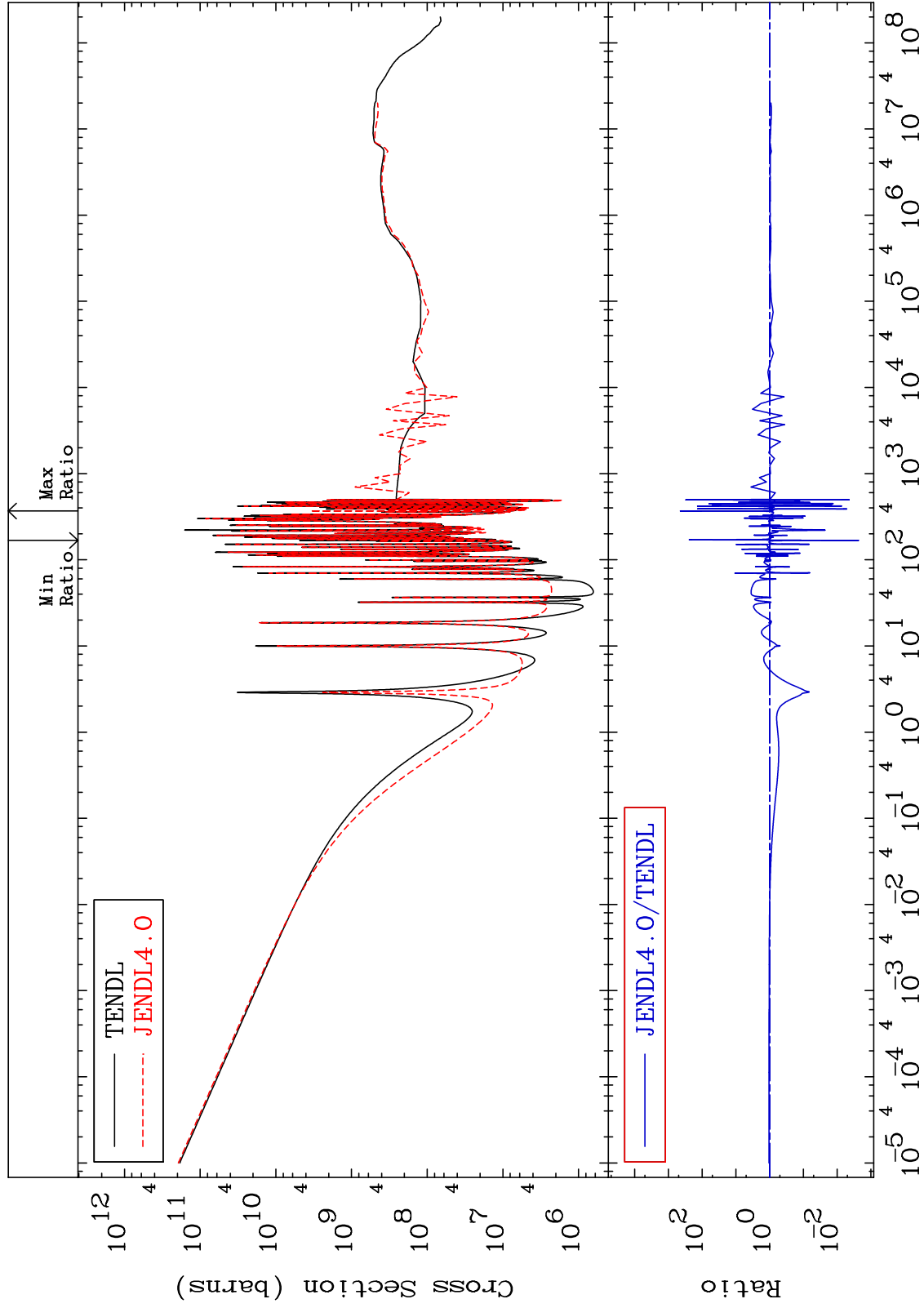
Incident Energy (eV)

94-Pu-238

MAT 9434

Kerma total (eV-barns)  
Cross Section

94-Pu-238  
-99.77 To 9999. %



37

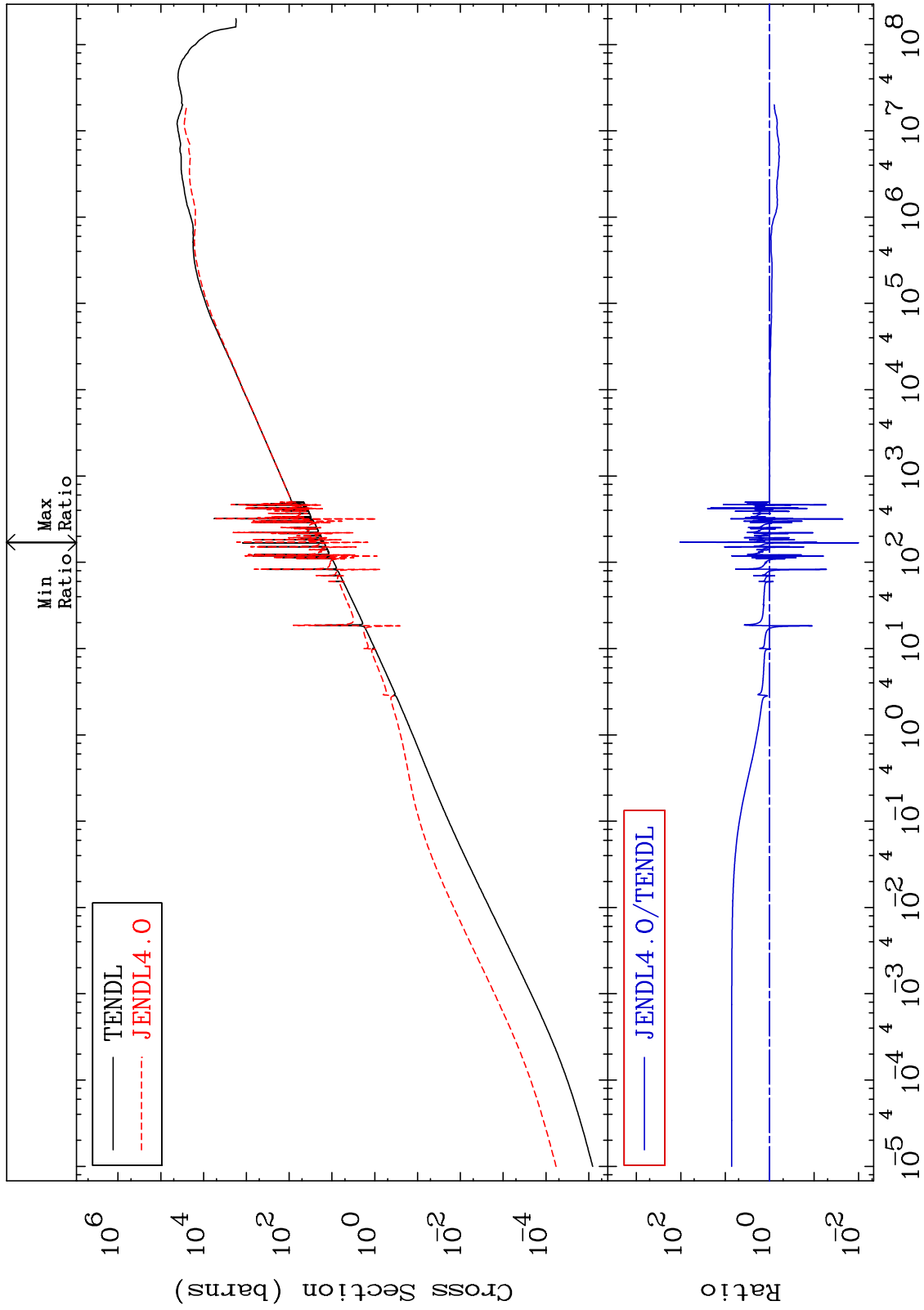
Incident Energy (eV)

94-Pu-238

MAT 9434

Kerma elastic  
Cross Section

94-Pu-238  
-98.99 To 9999. %



38

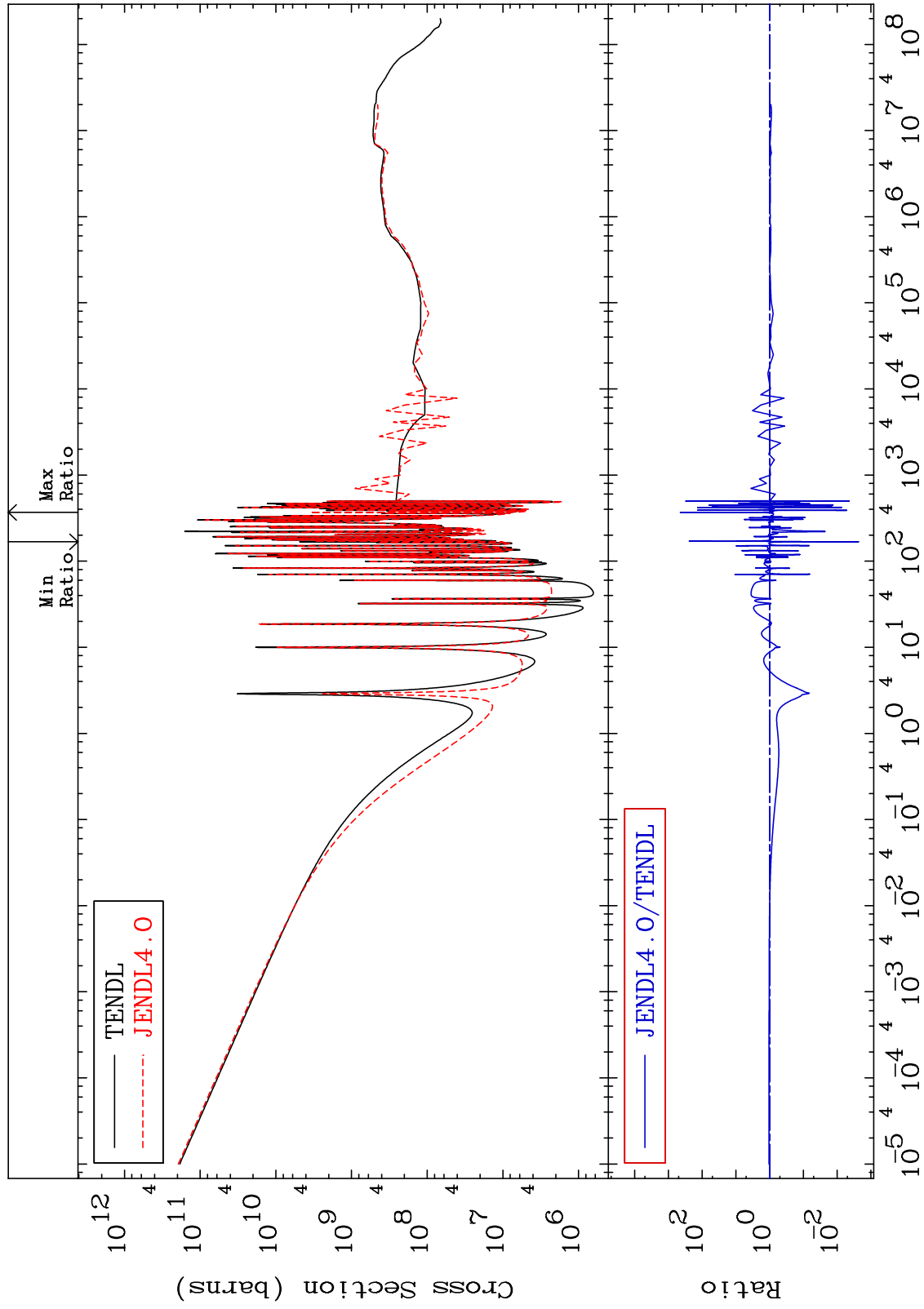
Incident Energy (eV)

94-Pu-238

MAT 9434

Kerma non-elastic (all but mt2)  
Cross Section

94-Pu-238  
-99.77 To 9999. %



39

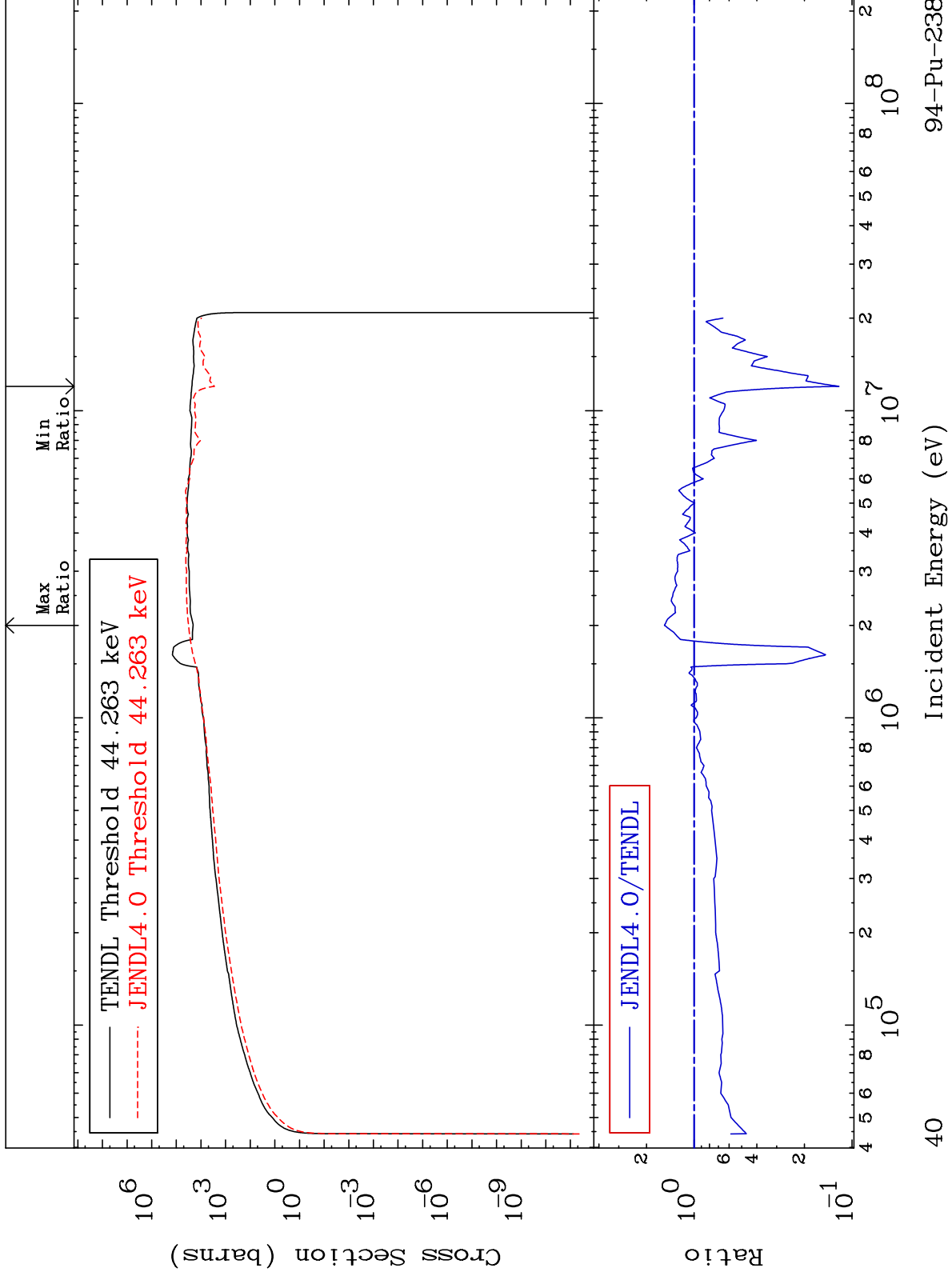
Incident Energy (eV)

94-Pu-238

MAT 9434

Kerma inelastic (mt51-91)  
Cross Section

94-Pu-238  
-87.93 To 53.88 %



40

Incident Energy (eV)

94-Pu-238

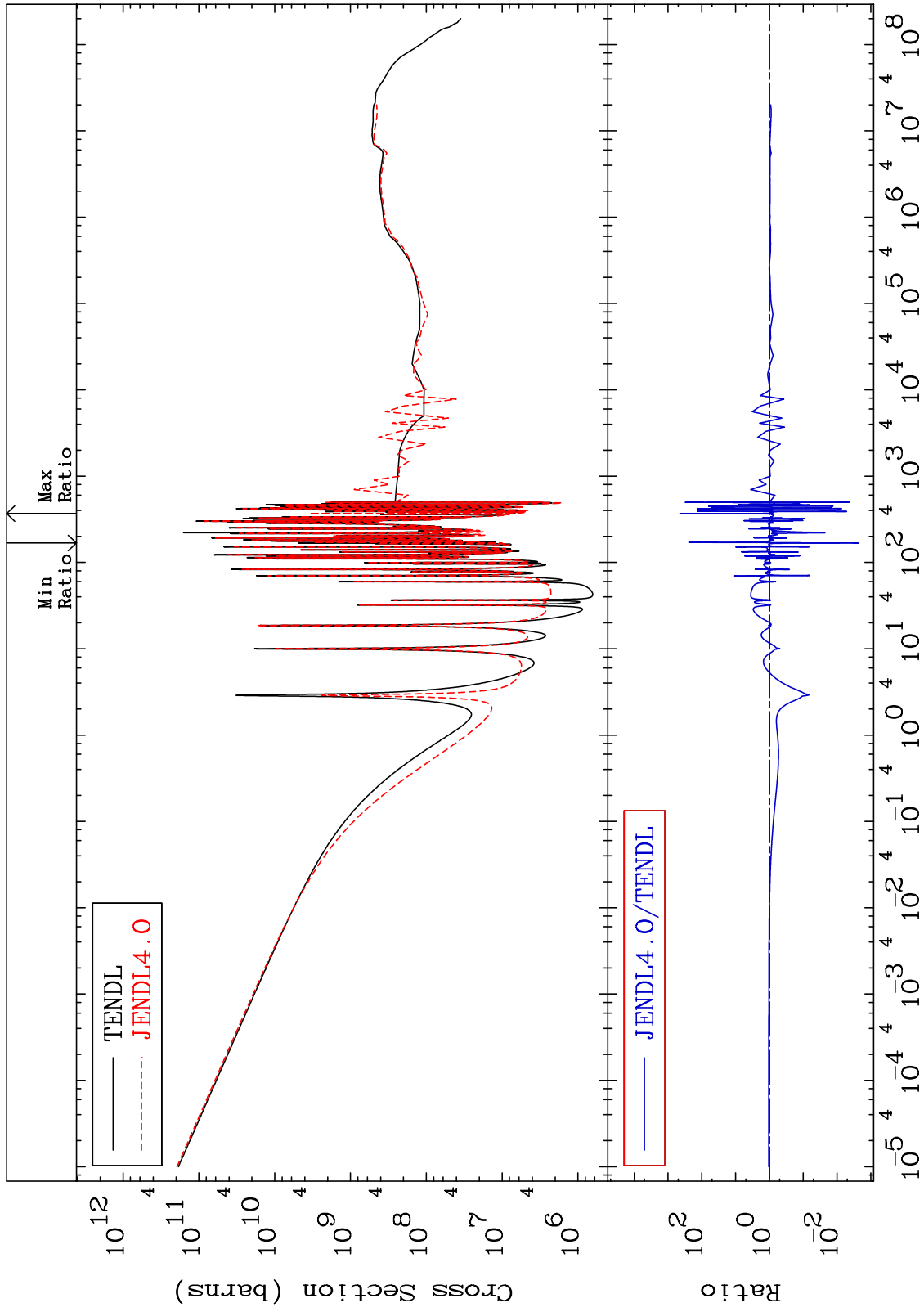
MAT 9434

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

94-Pu-238

-99.77 To 9999. %

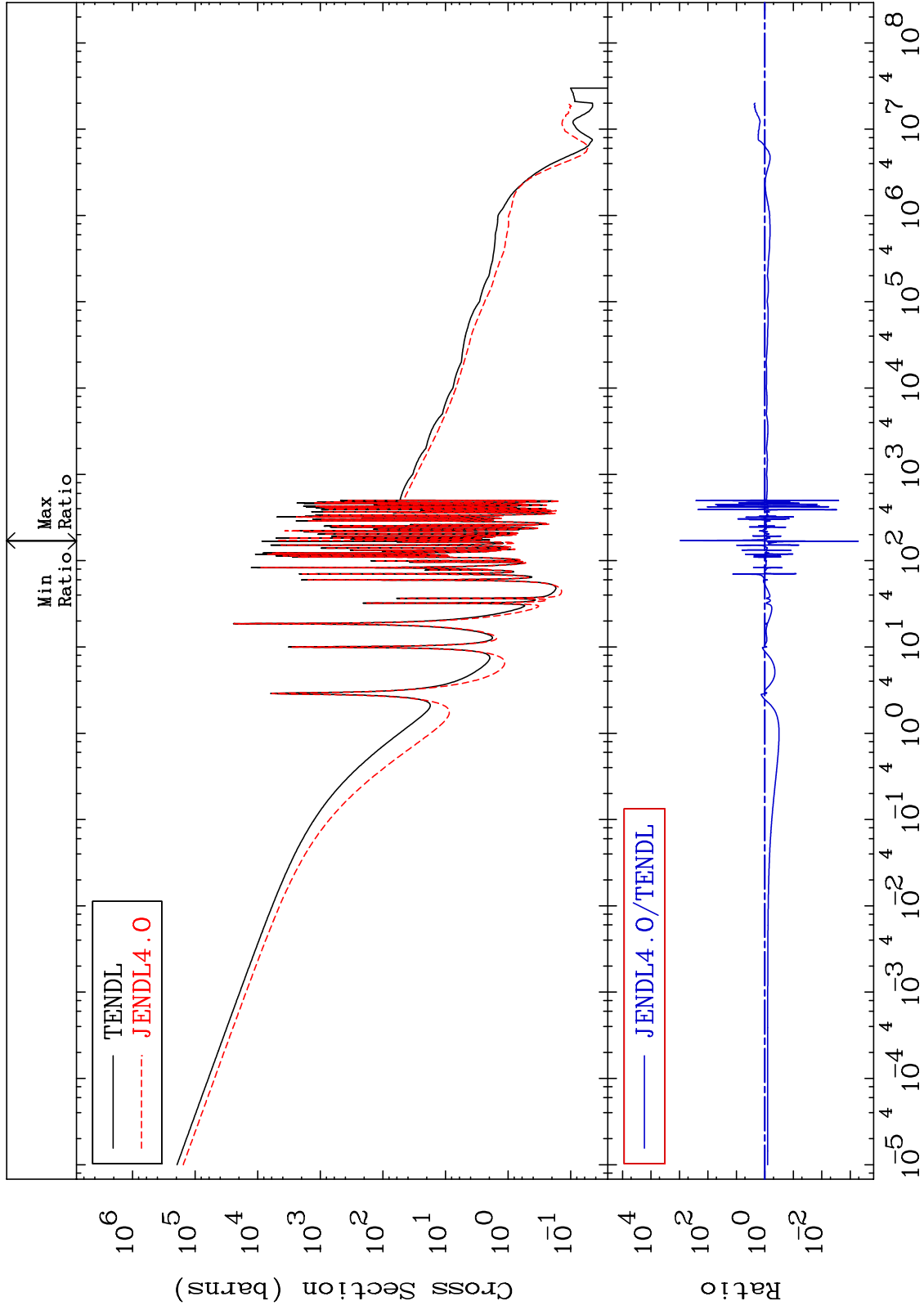
Cross Section



MAT 9434

Kerma capture (mt102)  
Cross Section

94-Pu-238  
-99.95 To 9999. %



42

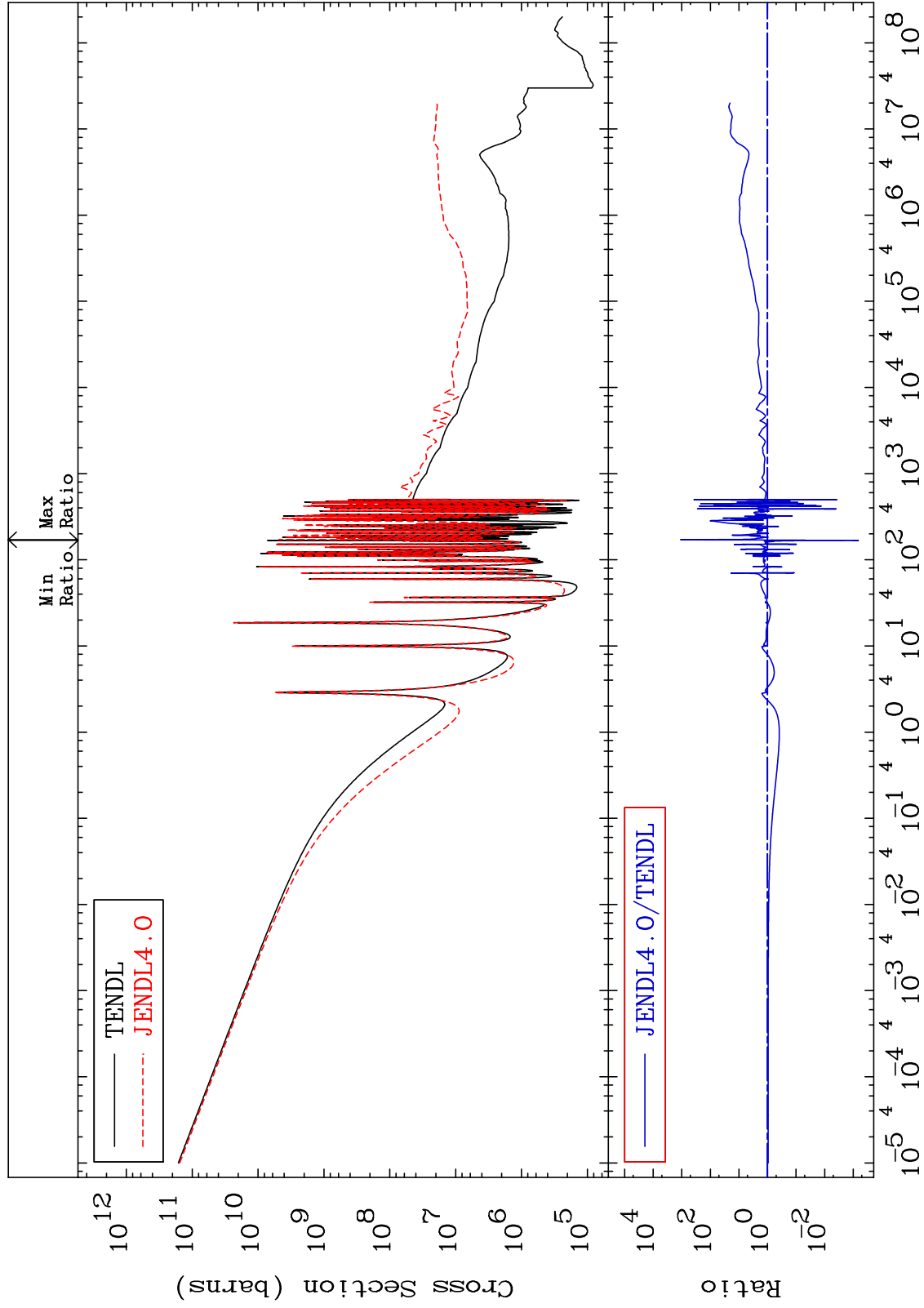
Incident Energy (eV)

94-Pu-238

MAT 9434

Total photon (eV-barns)  
Cross Section

94-Pu-238  
-99.93 To 9999. %



43

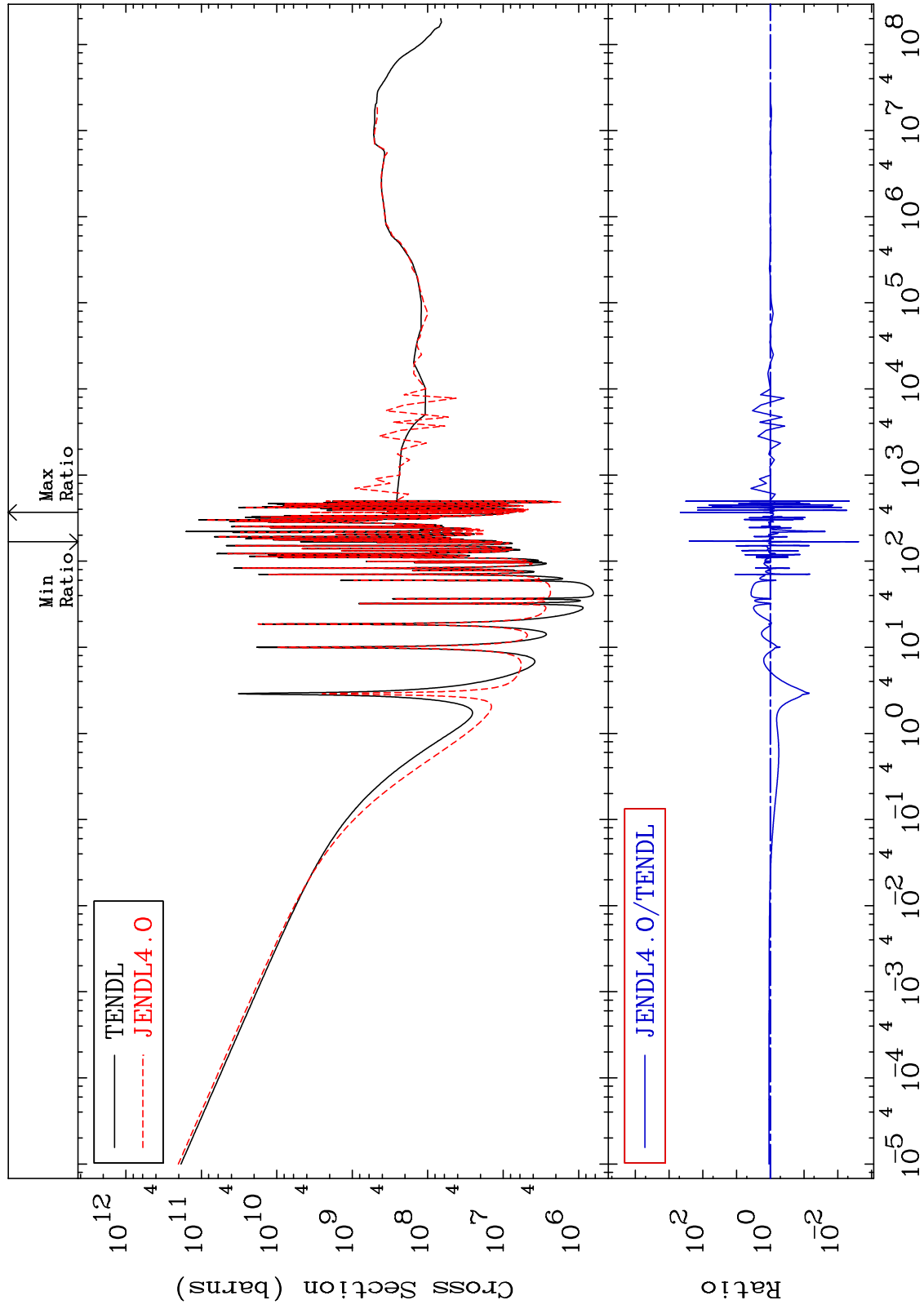
Incident Energy (eV)

94-Pu-238

MAT 9434

Total kinematic kerma (high limit)  
Cross Section

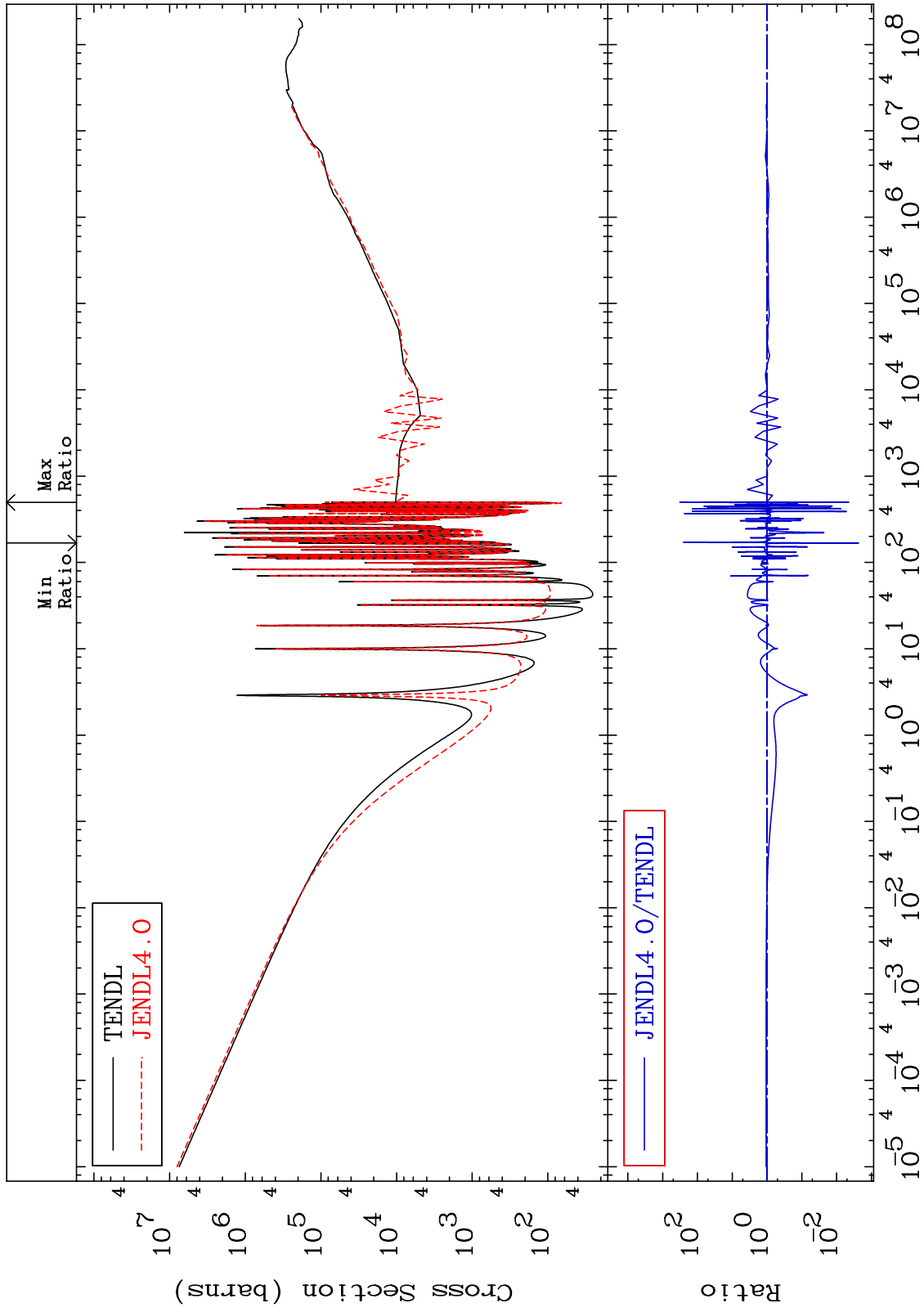
94-Pu-238  
-99.76 To 9999. %



MAT 9434

Dpa total (eV-barns)  
Cross Section

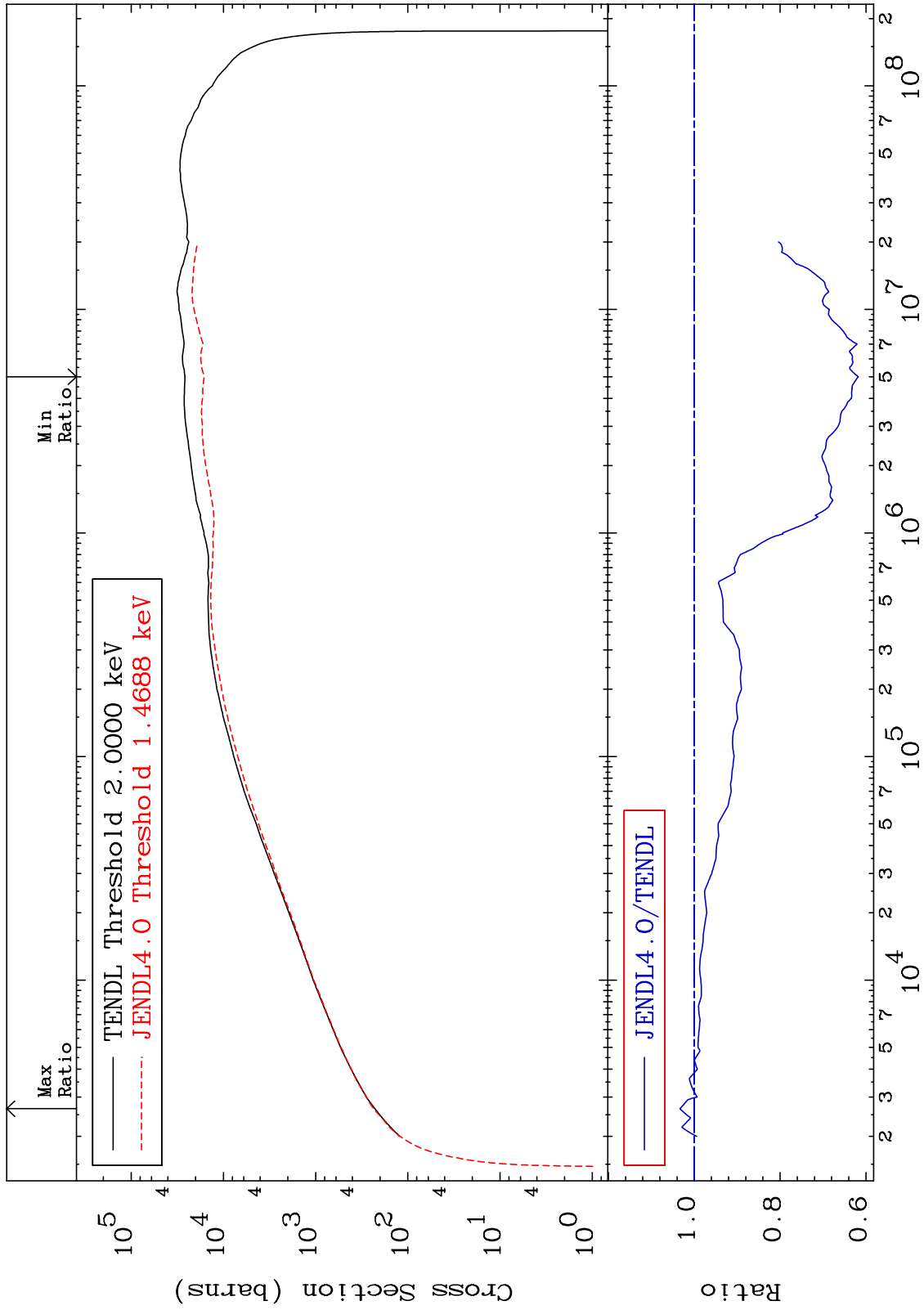
94-Pu-238  
-99.76 To 9999. %



MAT 9434

Dpa elastic (mt2)  
Cross Section

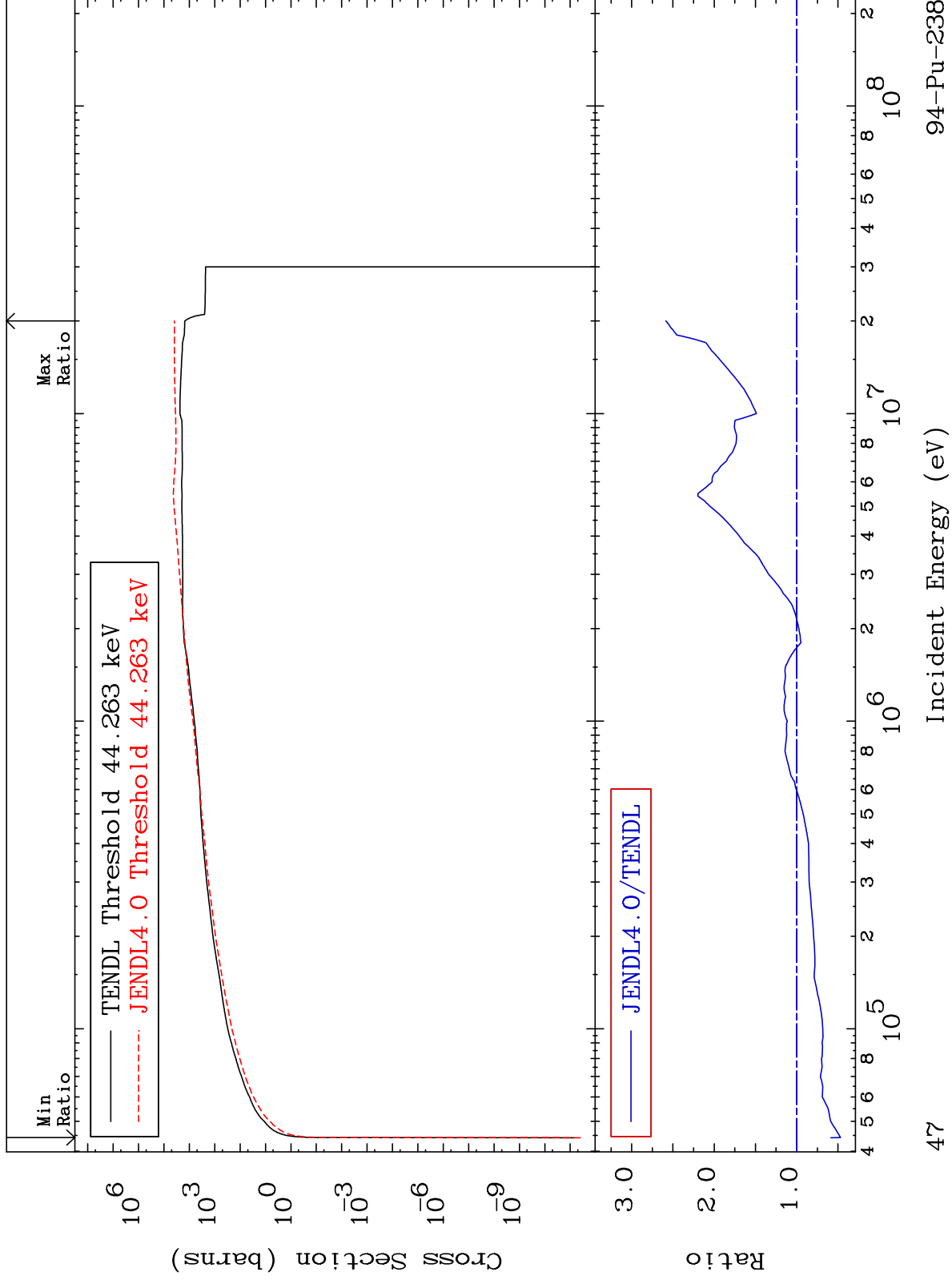
94-Pu-238  
-38.24 To 3.312 %



MAT 9434

Dpa inelastic (mt51-91)  
Cross Section

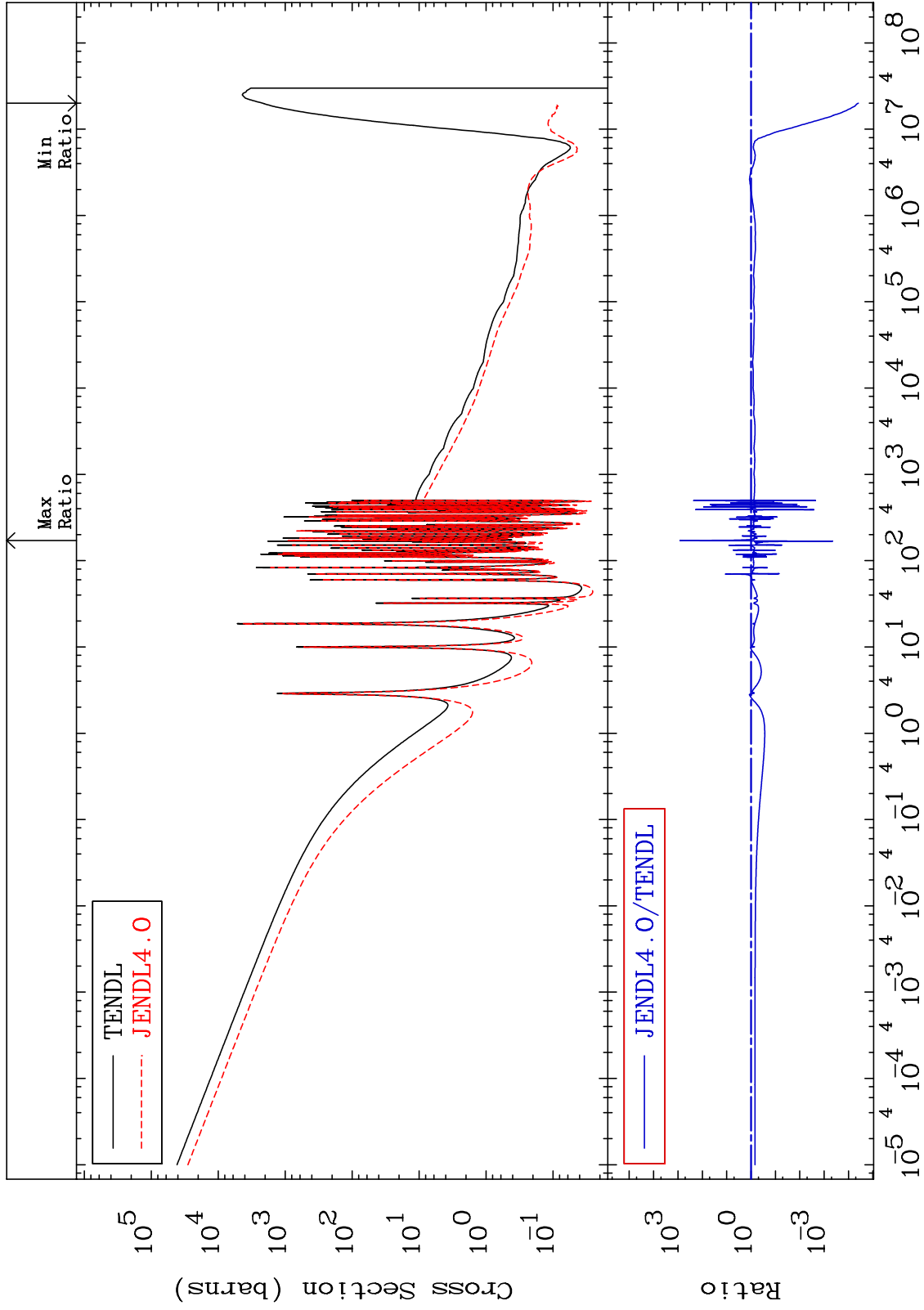
94-Pu-238  
-53.13 To 158.5 %



MAT 9434

Dpa disappearance (mt102 -120)  
Cross Section

94-Pu-238  
-100.0 To 9999. %



48

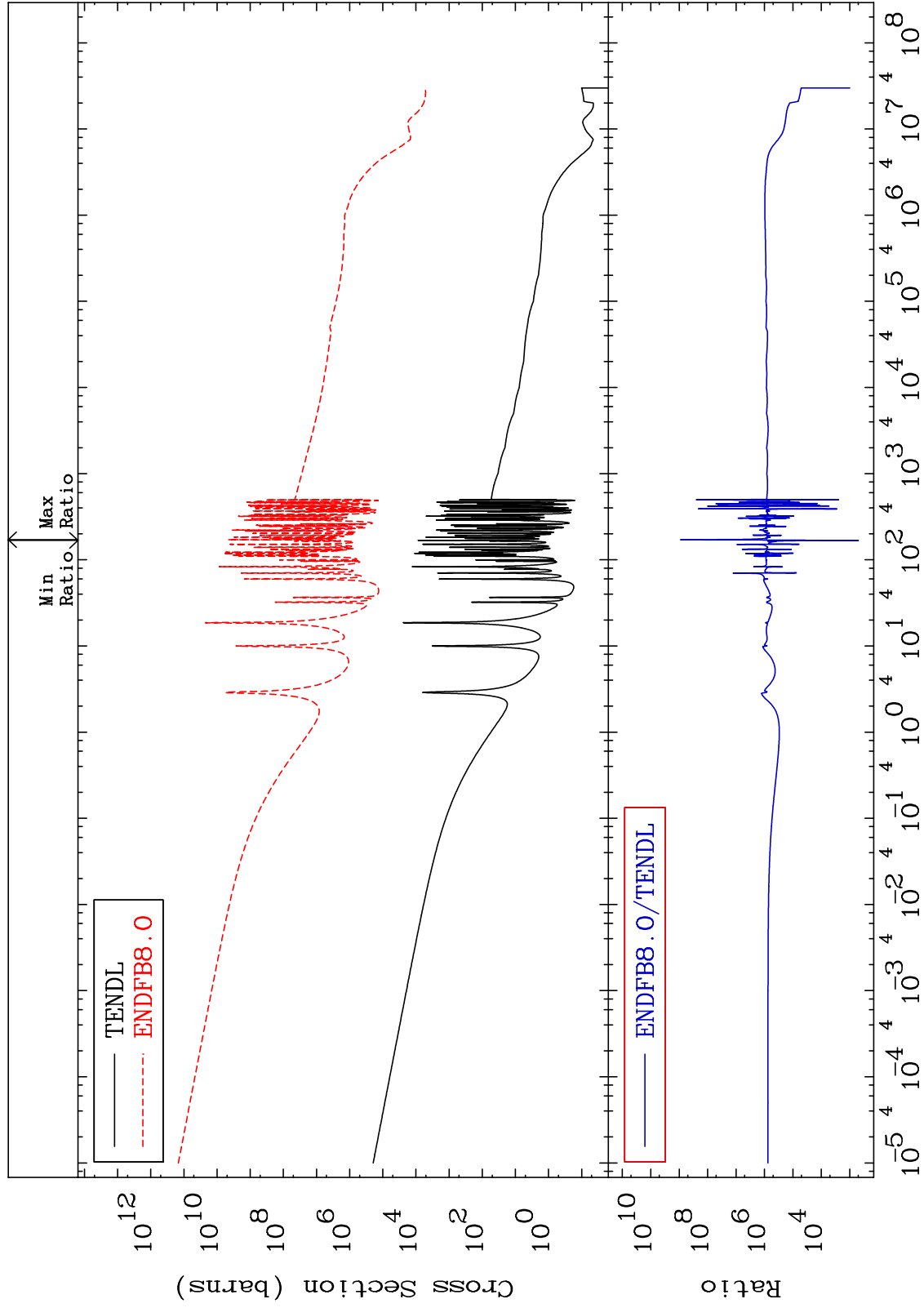
Incident Energy (eV)

94-Pu-238

MAT 9434

Kerma capture (mt102)  
Cross Section

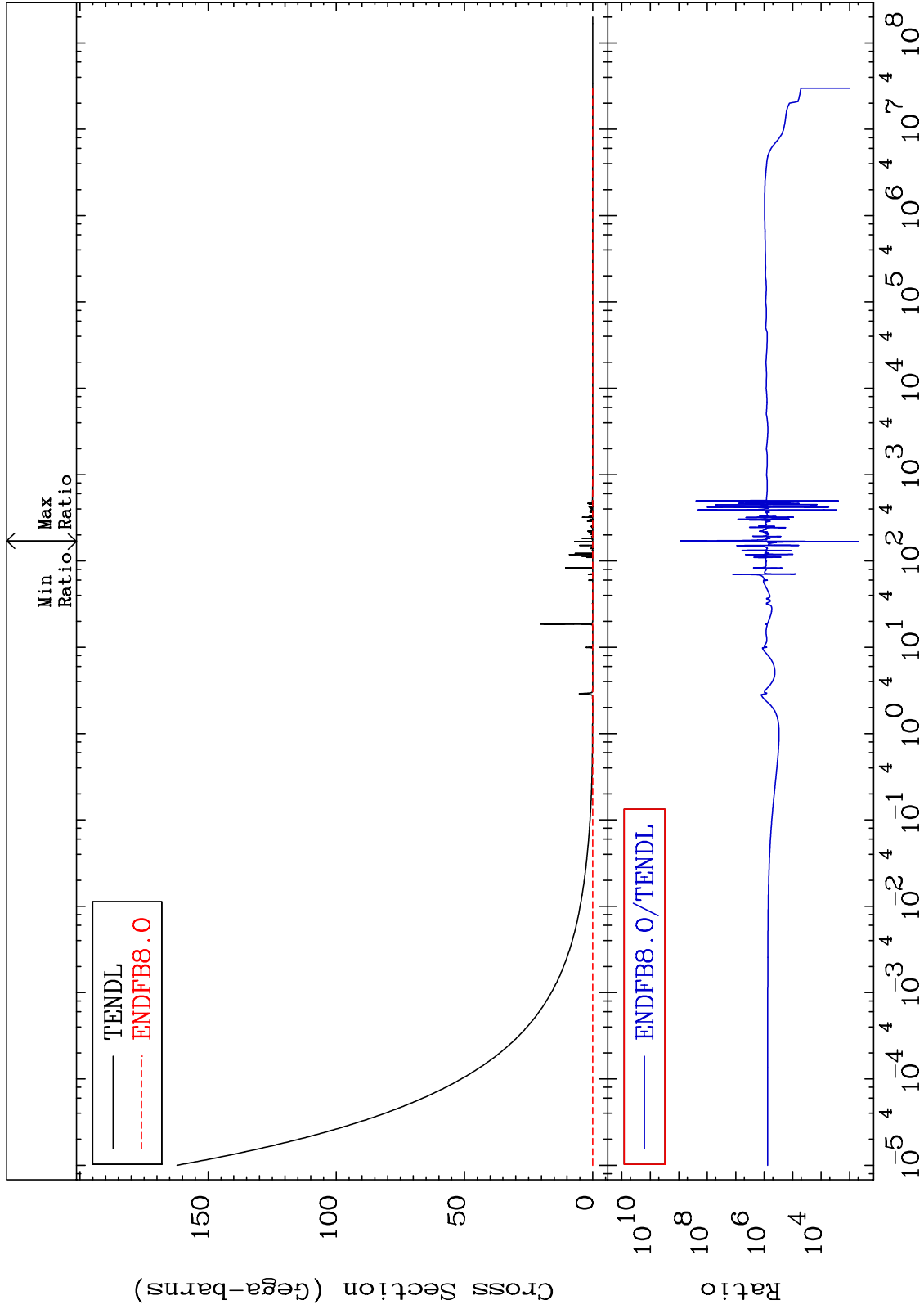
94-Pu-238  
9999. To 9999. %



MAT 9434

Total photon (eV-barns)  
Cross Section

94-Pu-238  
9999. To 9999. %



50

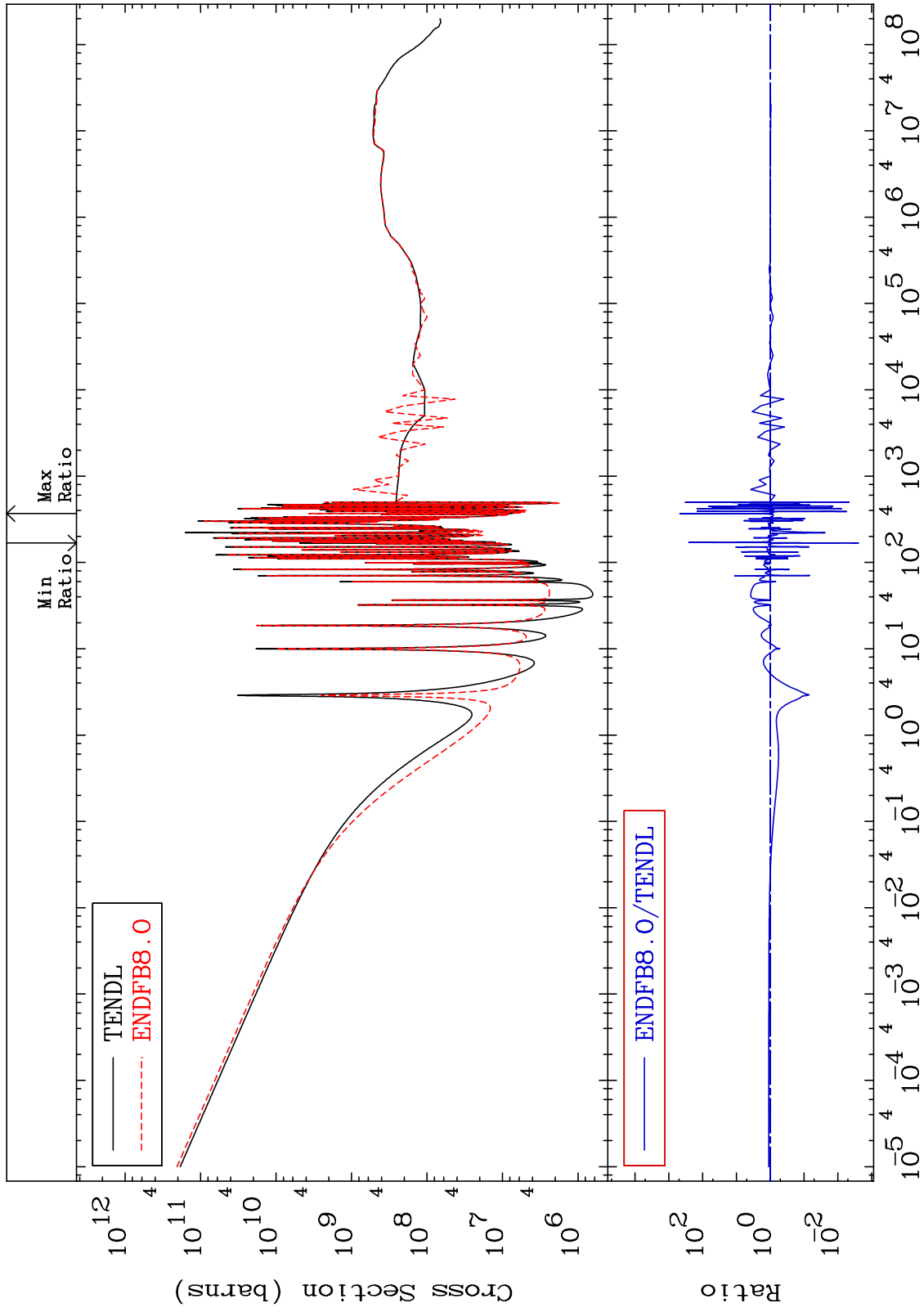
Incident Energy (eV)

94-Pu-238

MAT 9434

Total kinematic kerma (high limit)  
Cross Section

94-Pu-238  
-99.75 To 9999. %



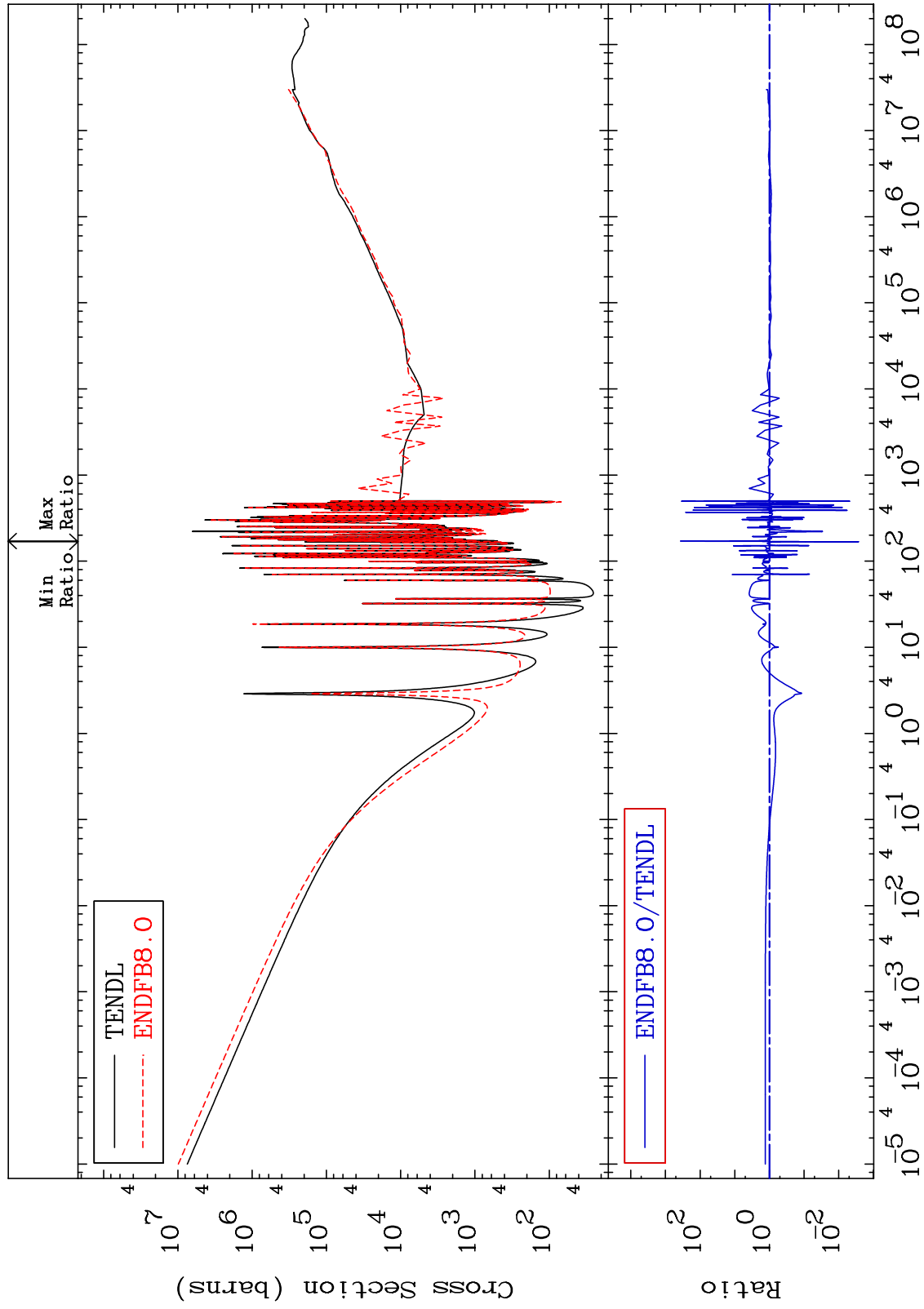
MAT 9434

Dpa total (eV-barns)

94-Pu-238

-99.73 To 9999. %

Cross Section



52

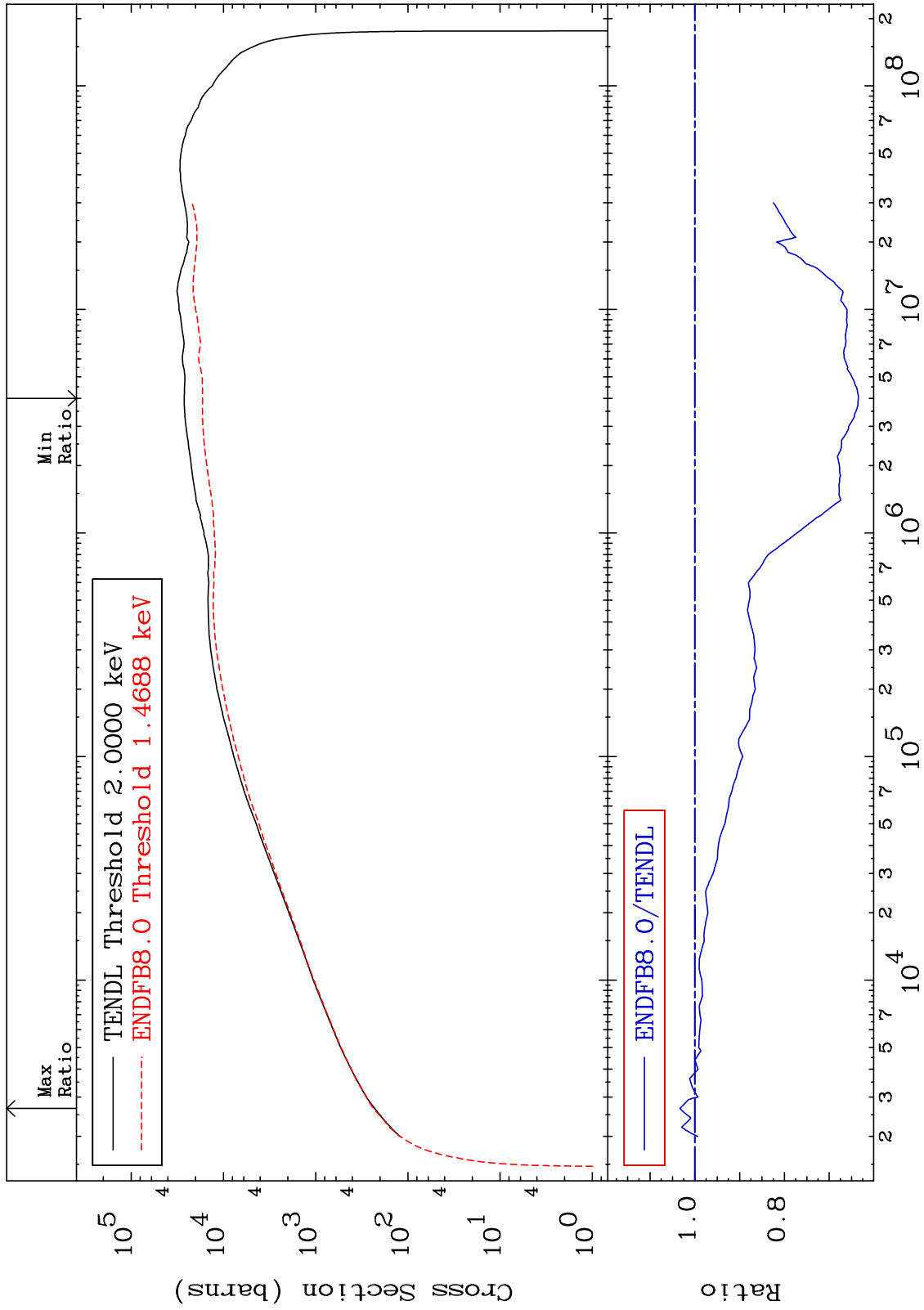
Incident Energy (eV)

94-Pu-238

MAT 9434

Dpa elastic (mt2)  
Cross Section

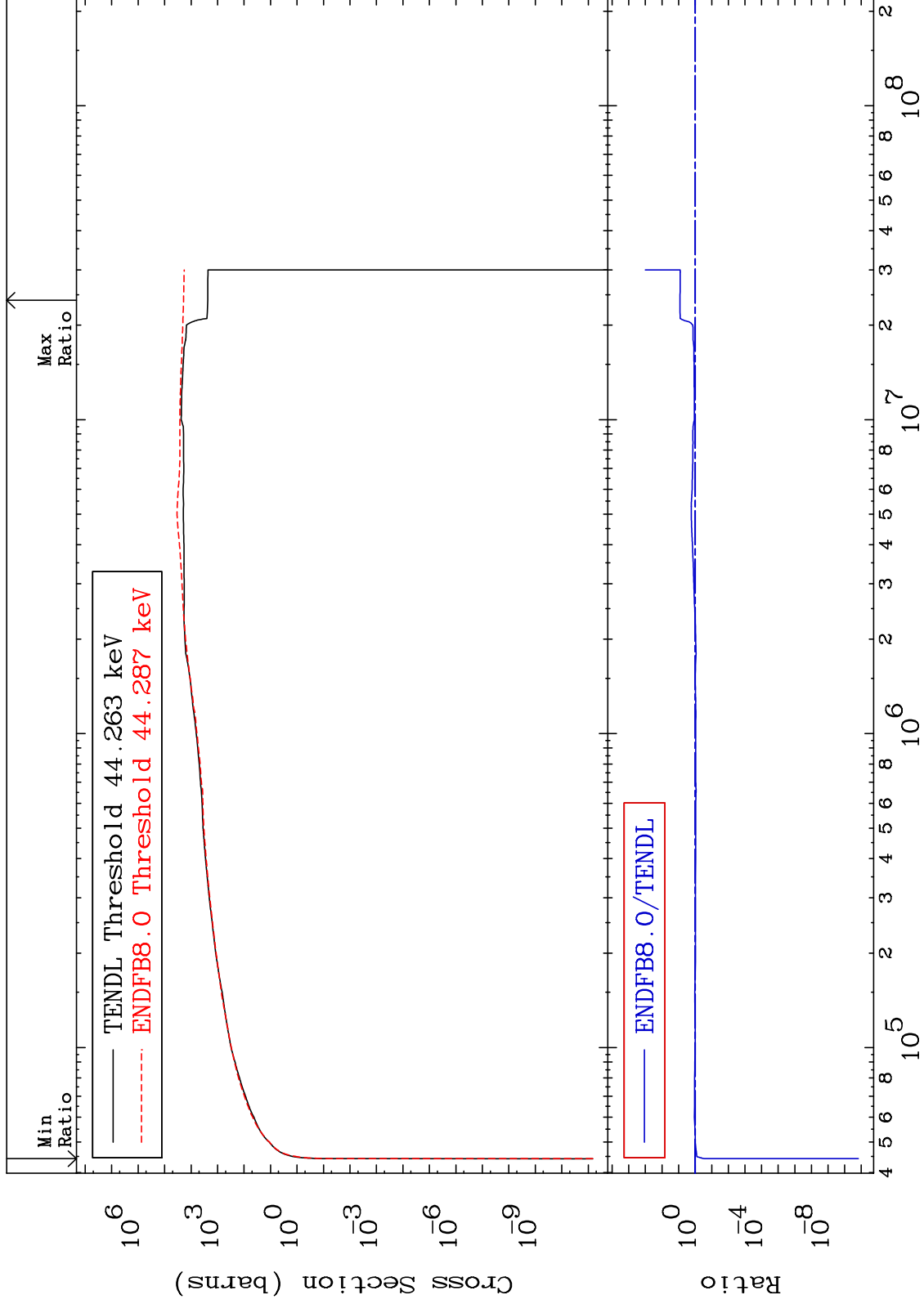
94-Pu-238  
-36.51 To 3.308 %



MAT 9434

Dpa inelastic (mt51-91)  
Cross Section

94-Pu-238  
-100.0 To 719.1 %



MAT 9434

Dpa disappearance (mt102 -120)  
Cross Section

94-Pu-238  
-99.69 To 9999. %

