

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

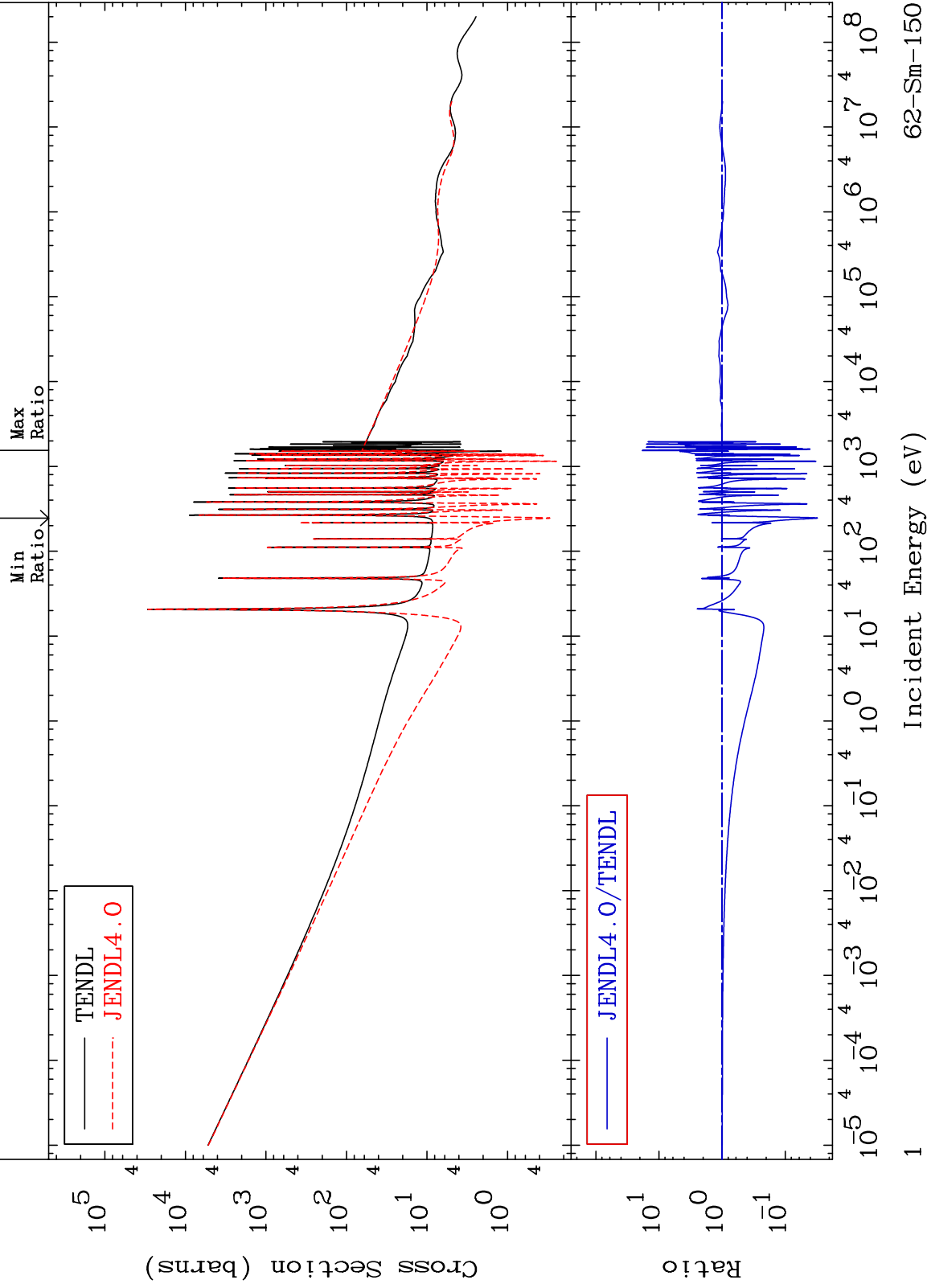
MAT 6243

Total

62-Sm-150

-96.92 To 1749. %

Cross Section



62-Sm-150

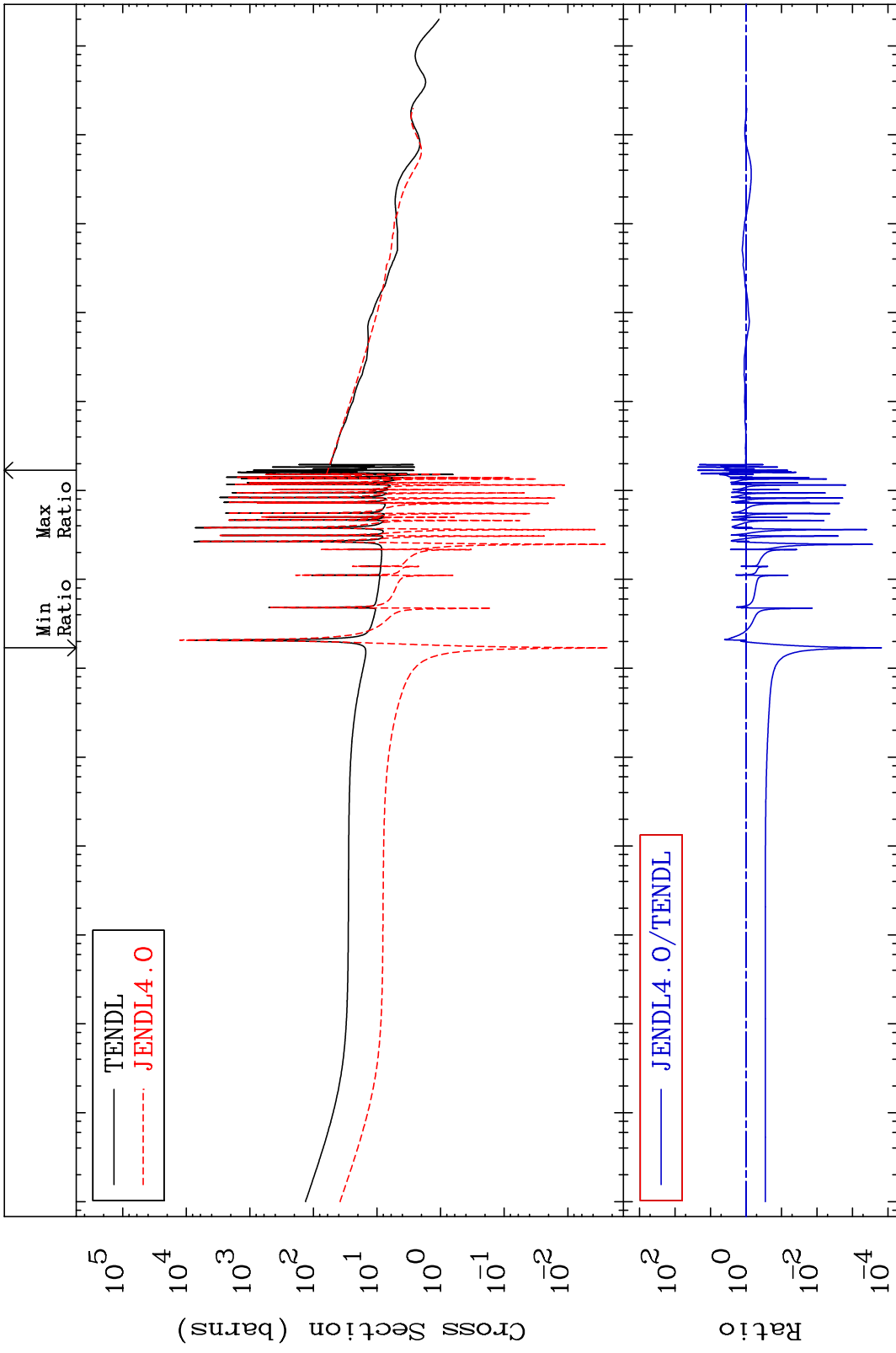
MAT 6243

Elastic

62-Sm-150

-99.98 To 2172. %

Cross Section



— TENDL  
- - - JENDL4.0

— JENDL4.0/TENDL

62-Sm-150

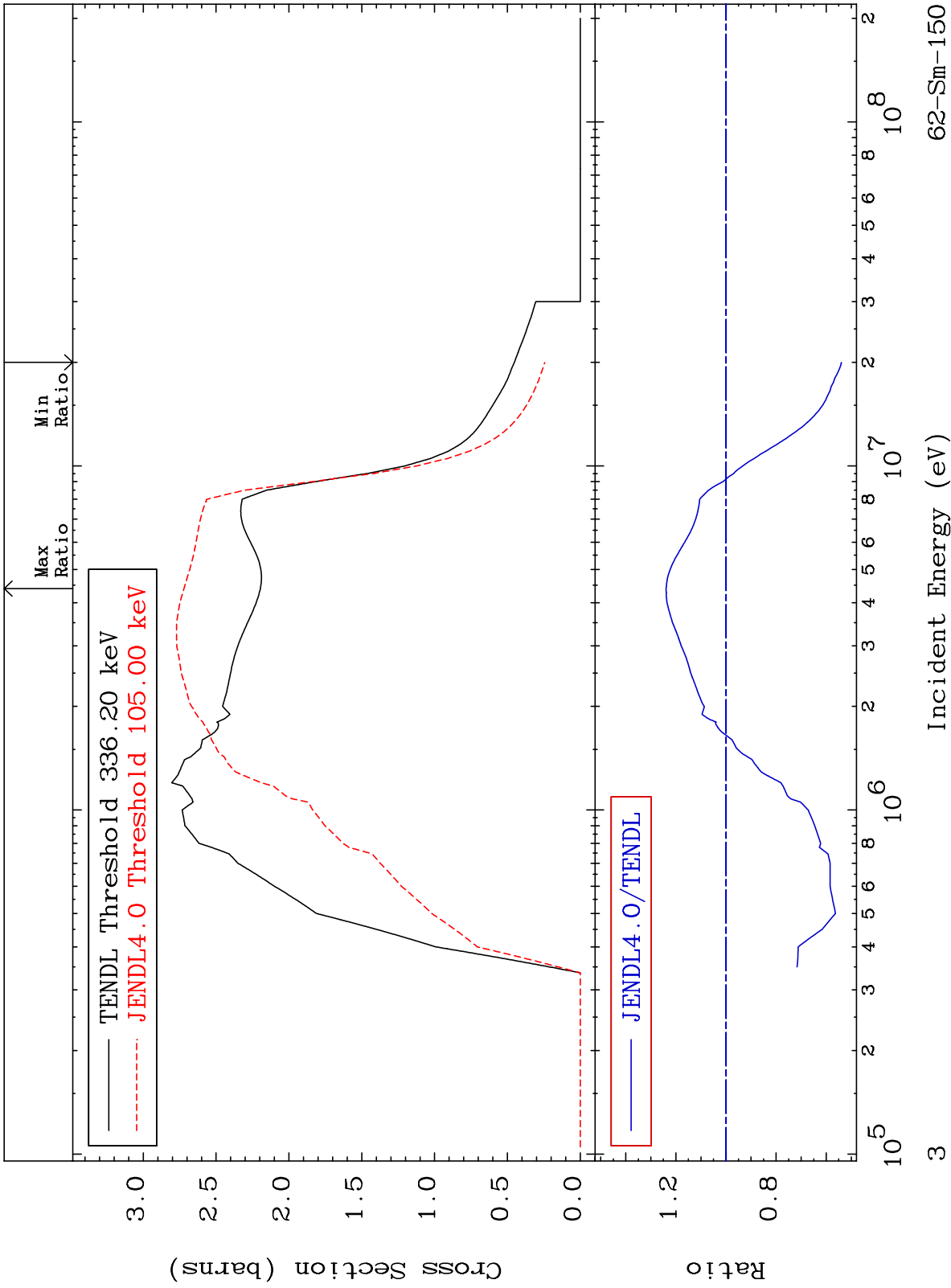
Incident Energy (eV)

MAT 6243

62-Sm-150

-46.10 To 23.89 %

Inelastic  
Cross Section



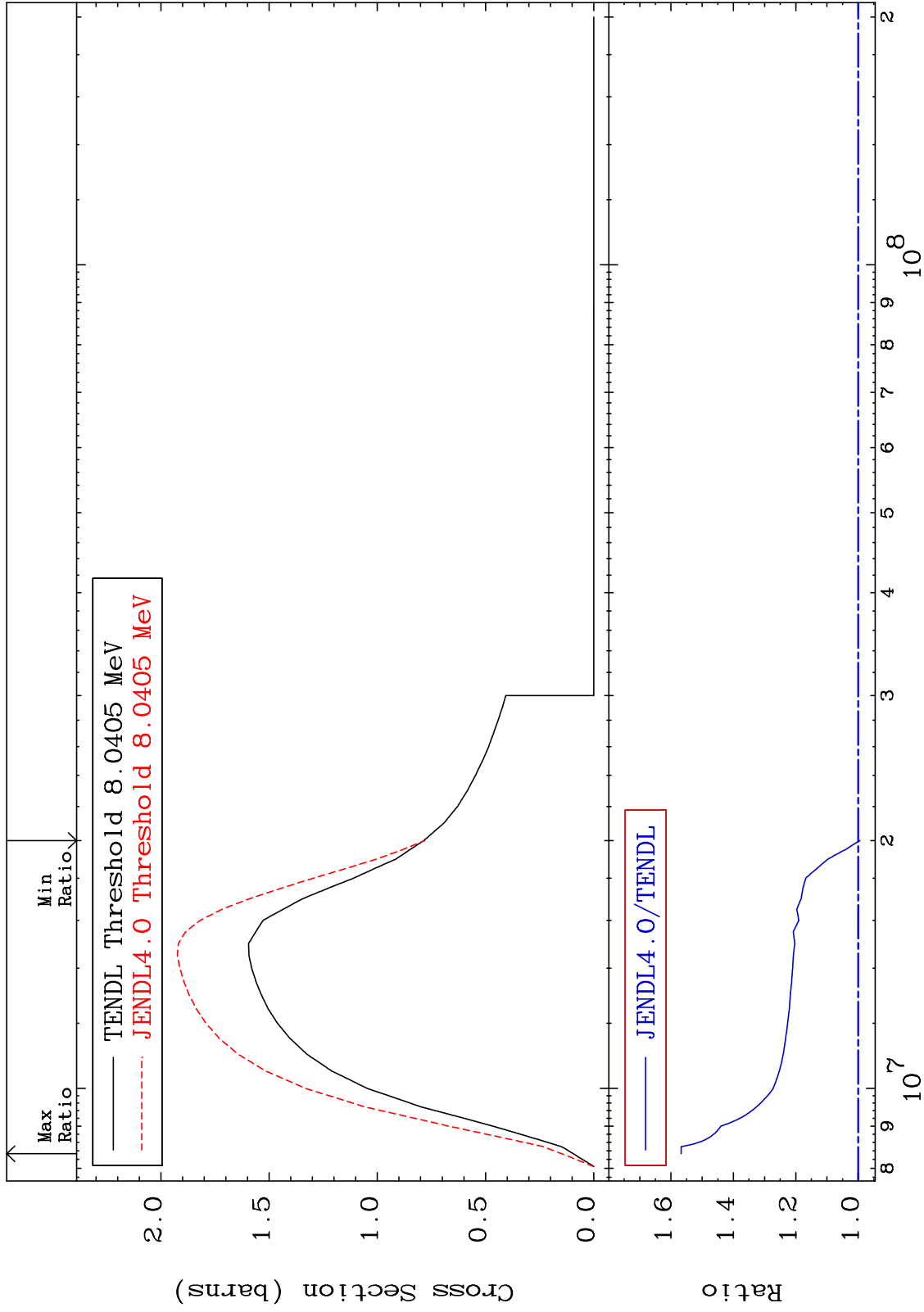
MAT 6243

(n, 2n)

62-Sm-150

Cross Section

-0.564 To 56.72 %



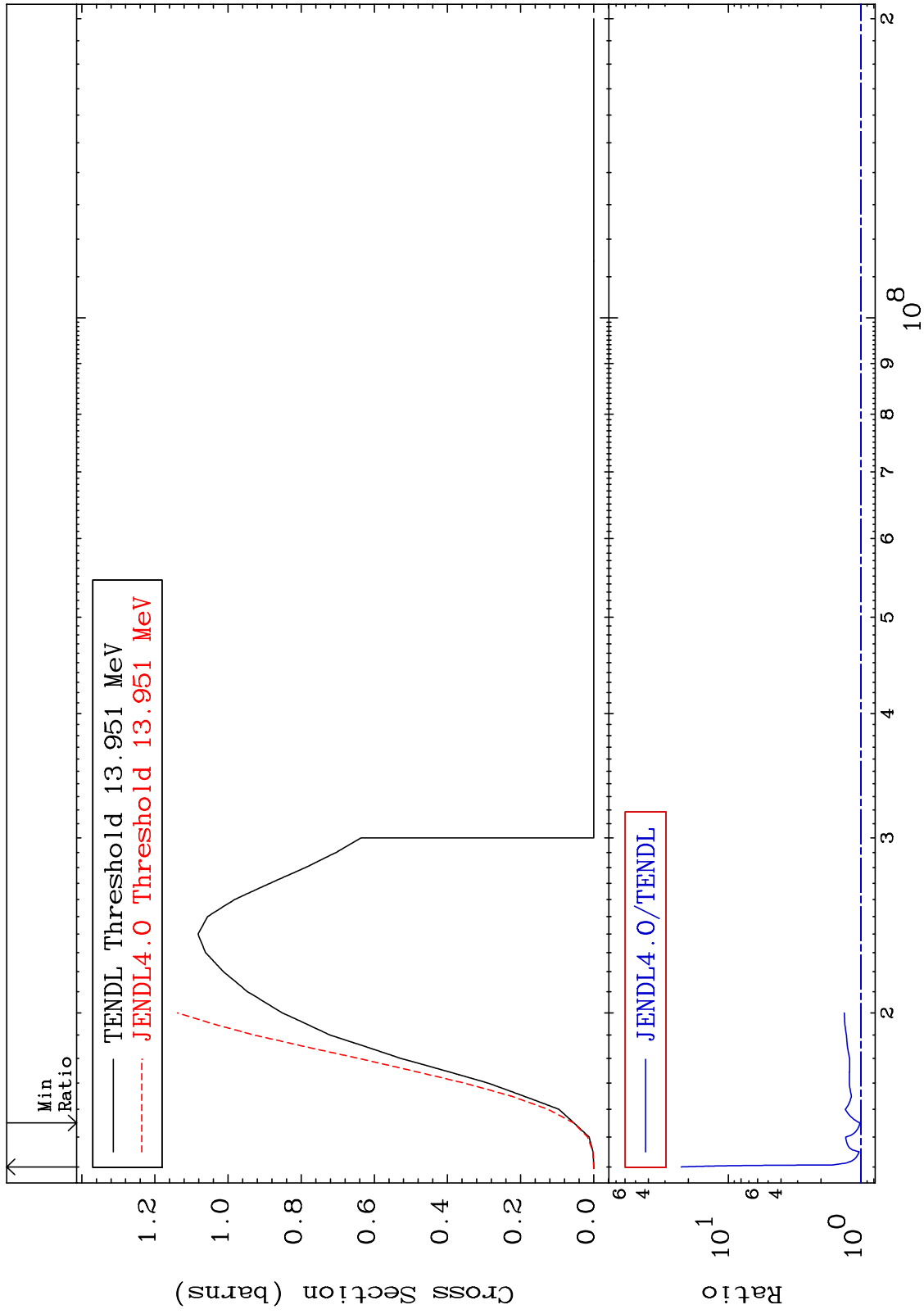
MAT 6243

(n, 3n)

62-Sm-150

Cross Section

1.871 To 2160. %



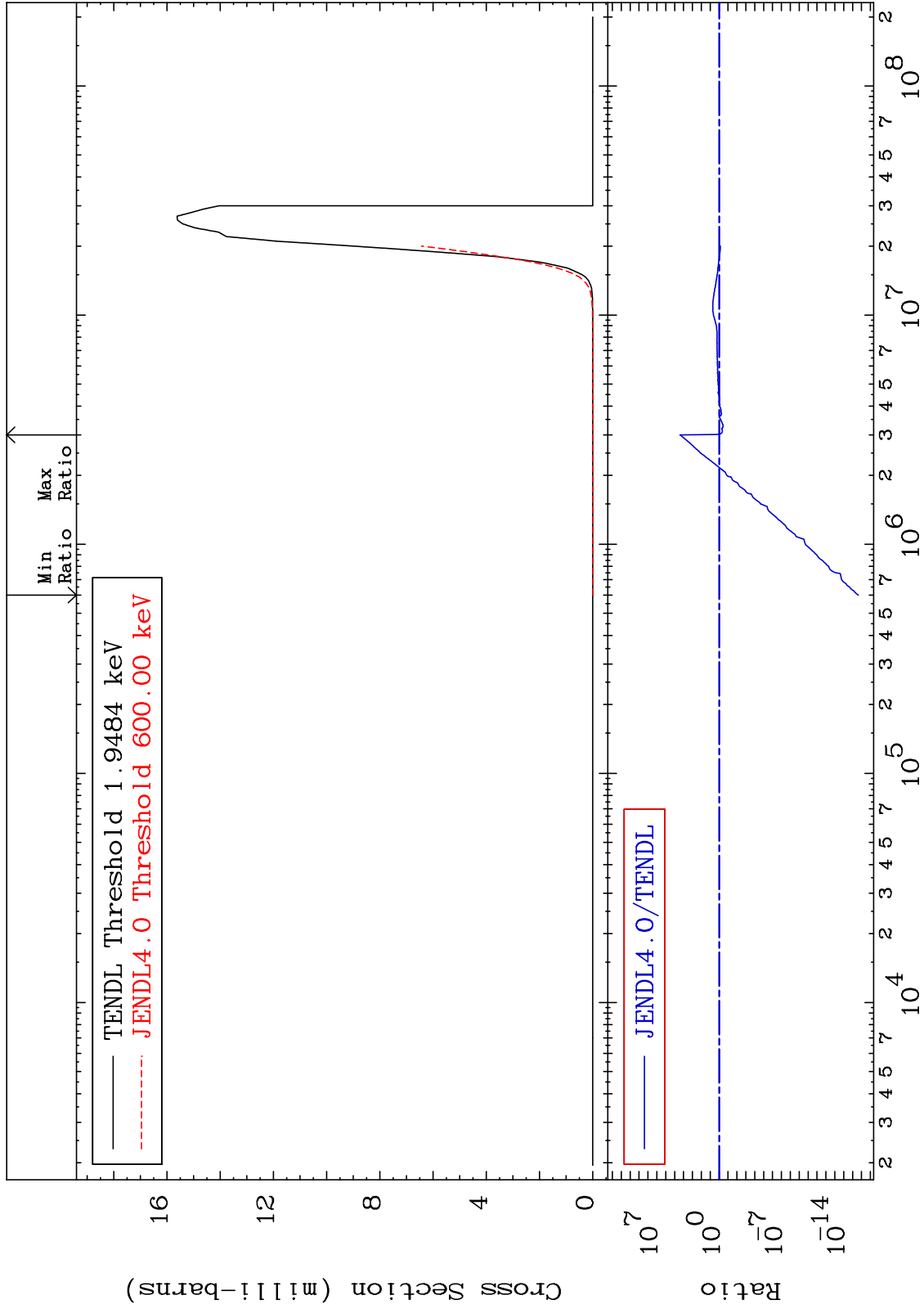
MAT 6243

(n,n')  $\alpha$

62-Sm-150

-100.0 To 9999. %

Cross Section



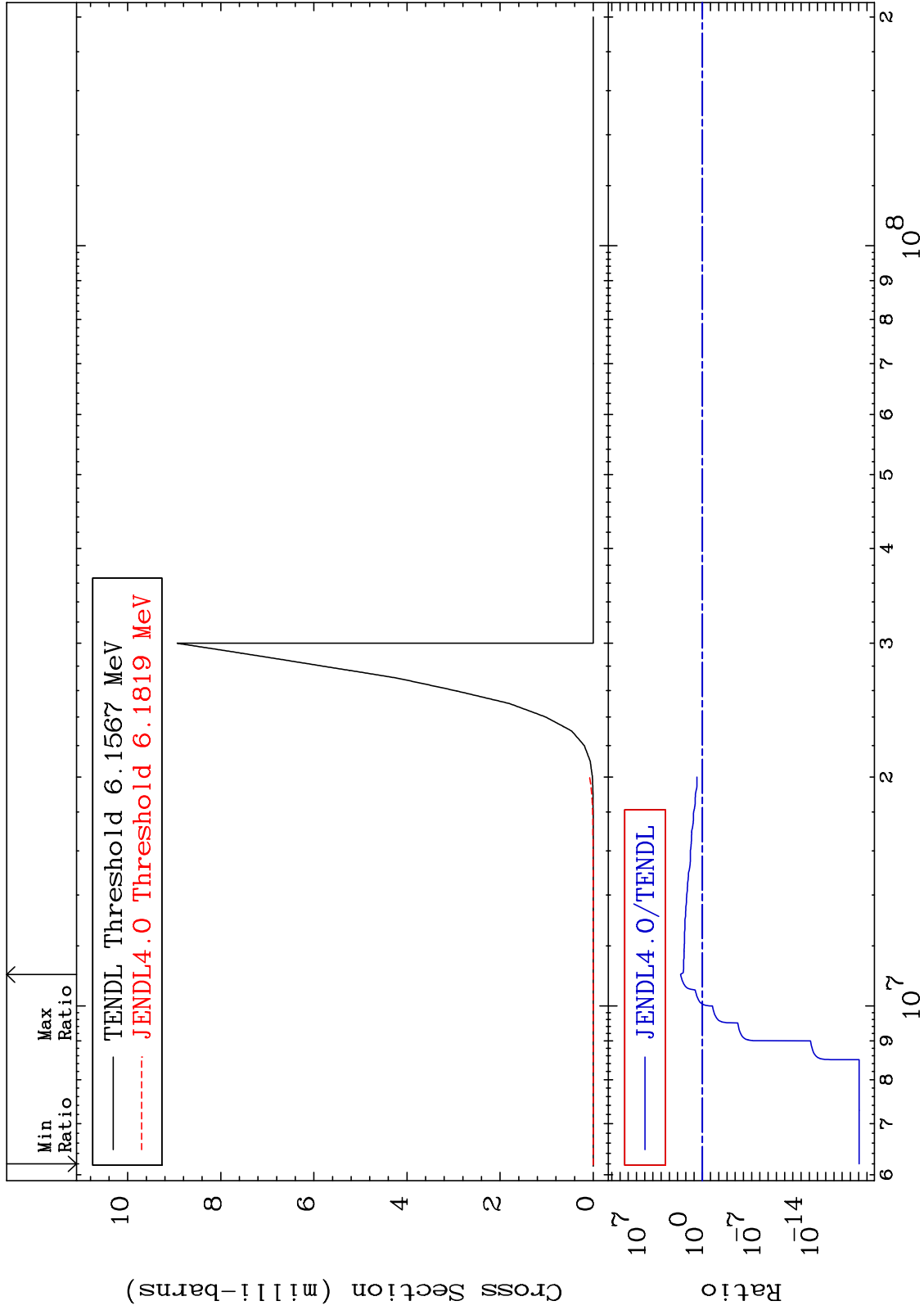
MAT 6243

(n,2n)  $\alpha$

62-Sm-150

-100.0 To 9999. %

Cross Section



Incident Energy (eV)

62-Sm-150

7



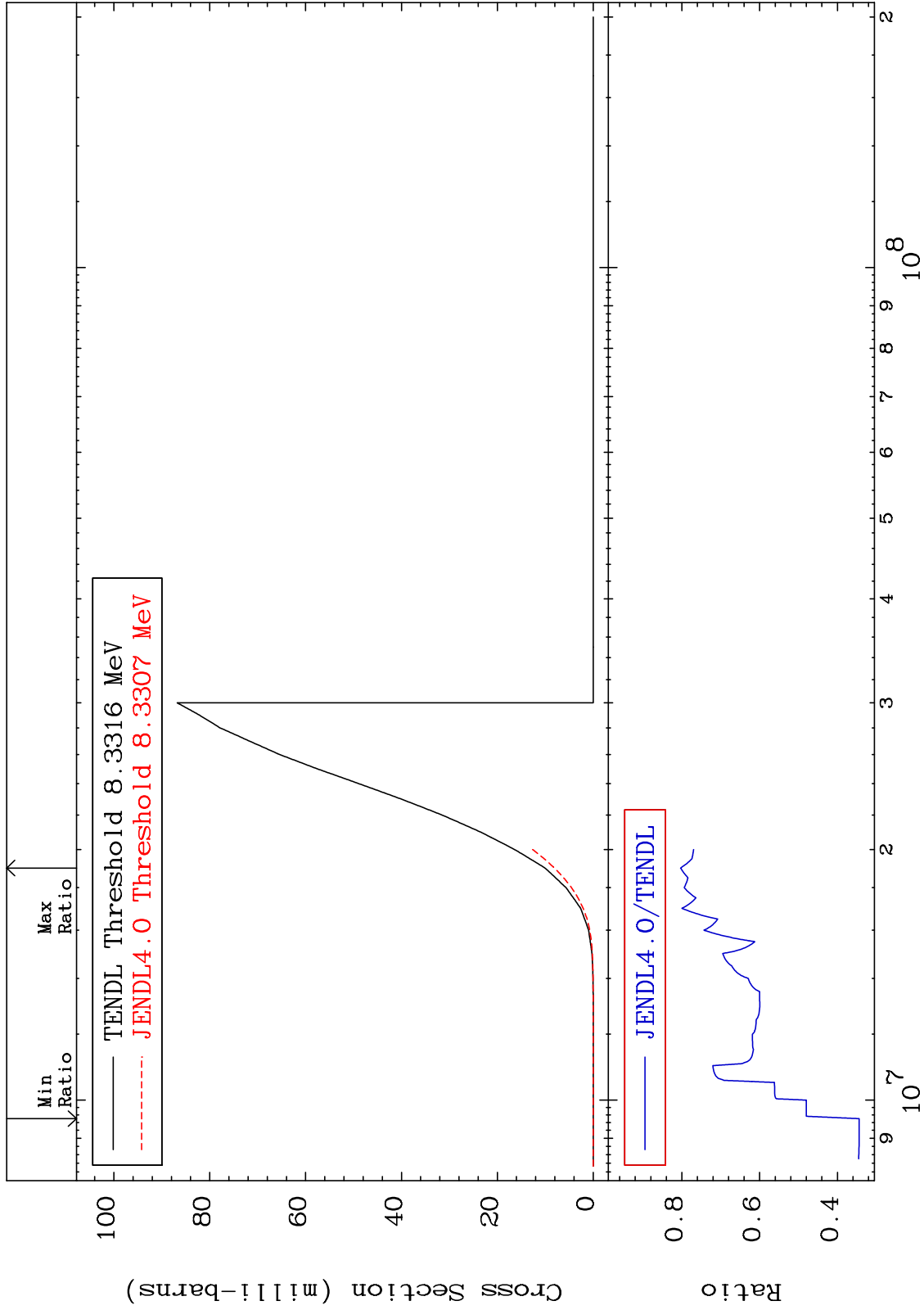
MAT 6243

(n,n') p

62-Sm-150

Cross Section

-65.59 To -19.68%



8

Incident Energy (eV)

62-Sm-150

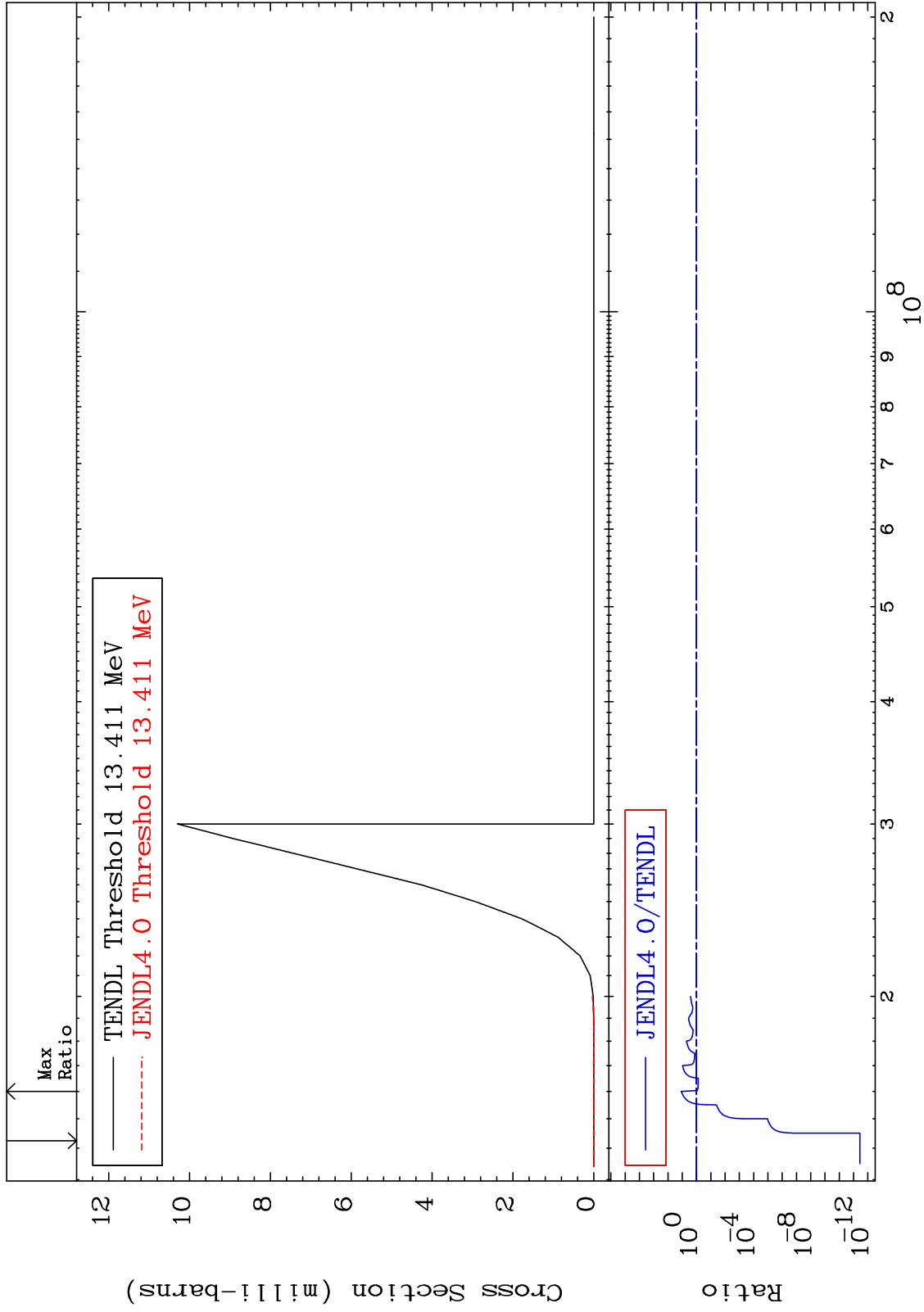
MAT 6243

(n,n') d

62-Sm-150

Cross Section

-100.0 To 1077. %



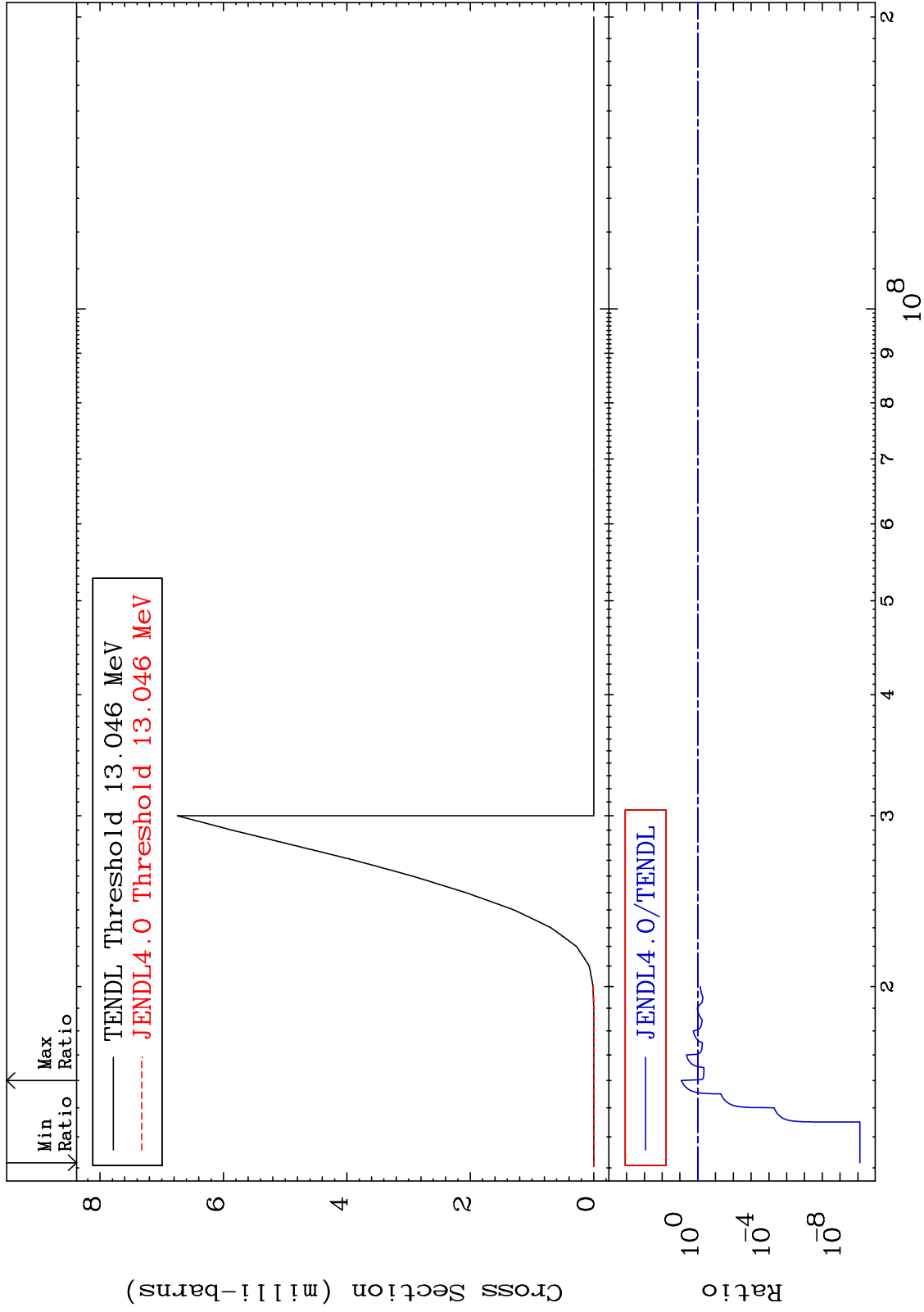
MAT 6243

(n,n') t

62-Sm-150

Cross Section

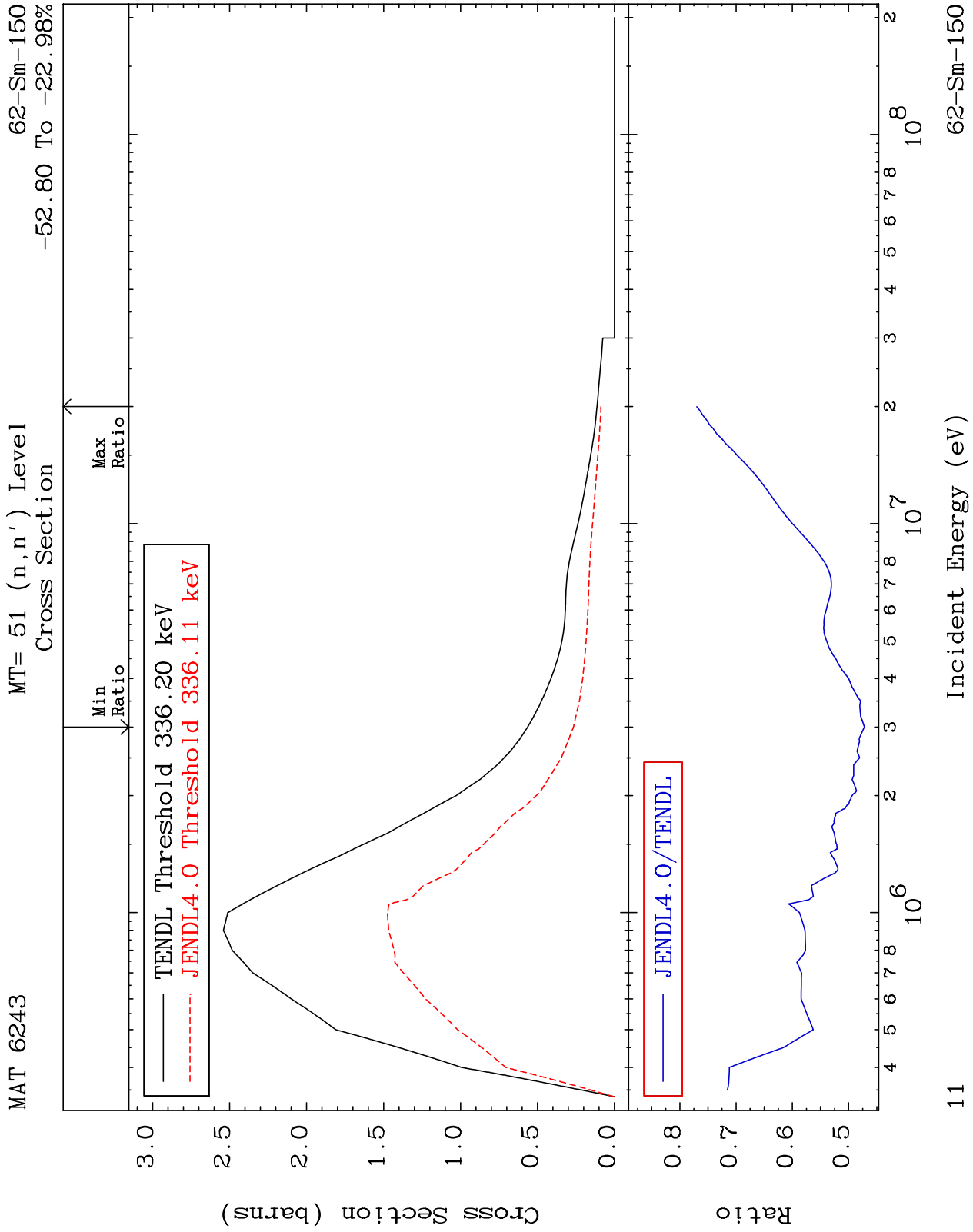
-100.0 To 747.1 %



10

Incident Energy (eV)

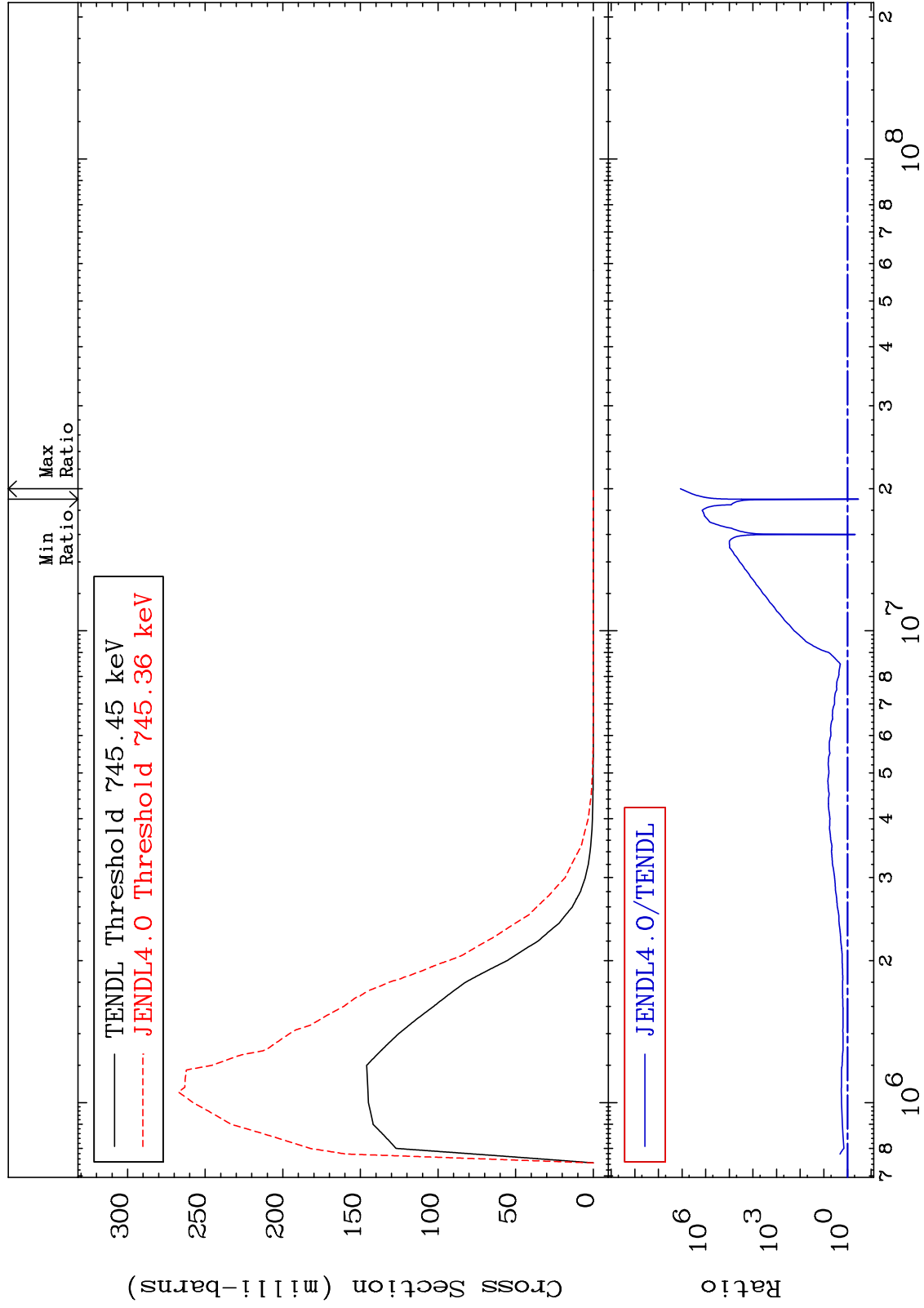
62-Sm-150



MAT 6243

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

62-Sm-150  
-65.87 To 9999. %



12

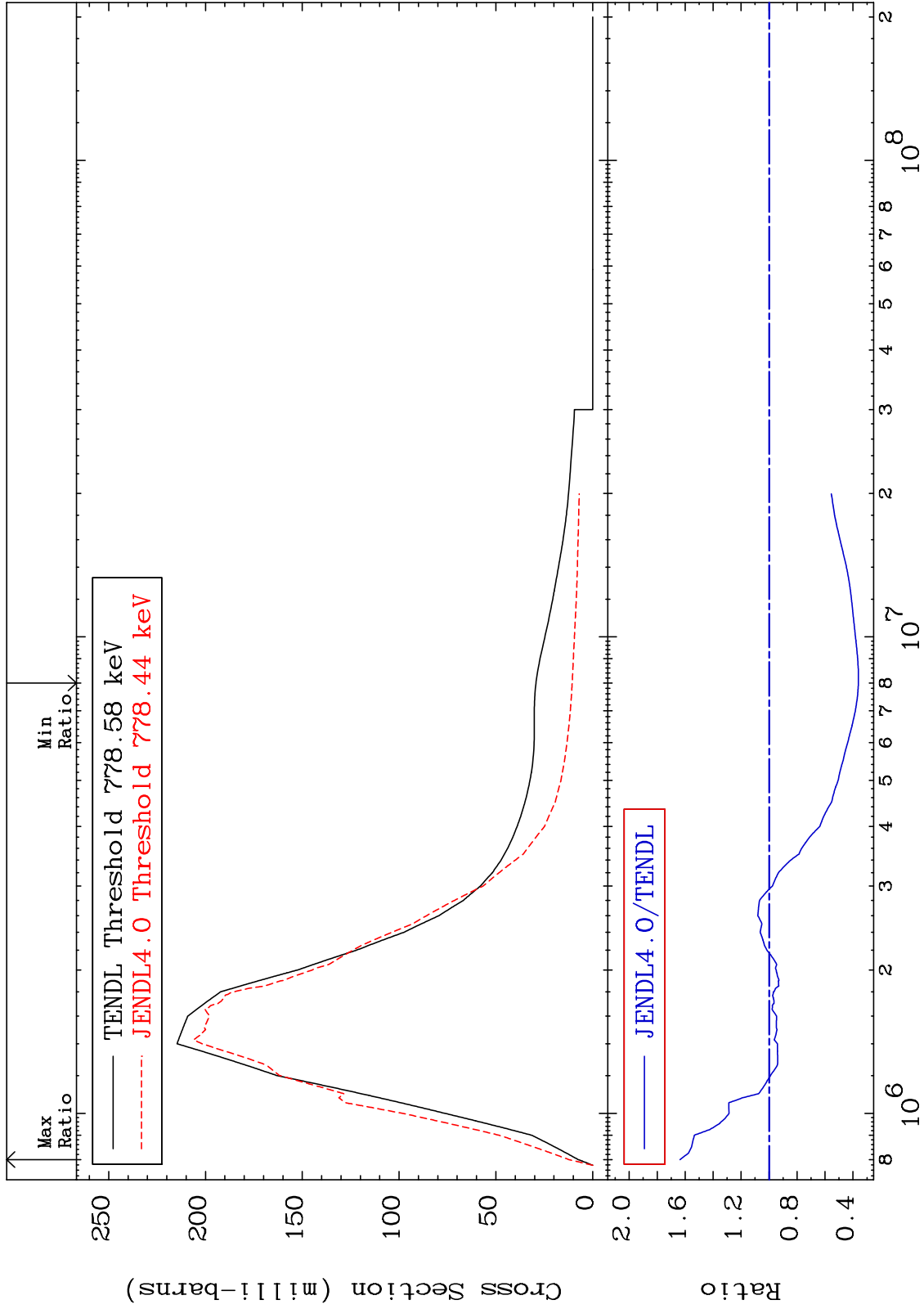
Incident Energy (eV)

62-Sm-150

MAT 6243

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

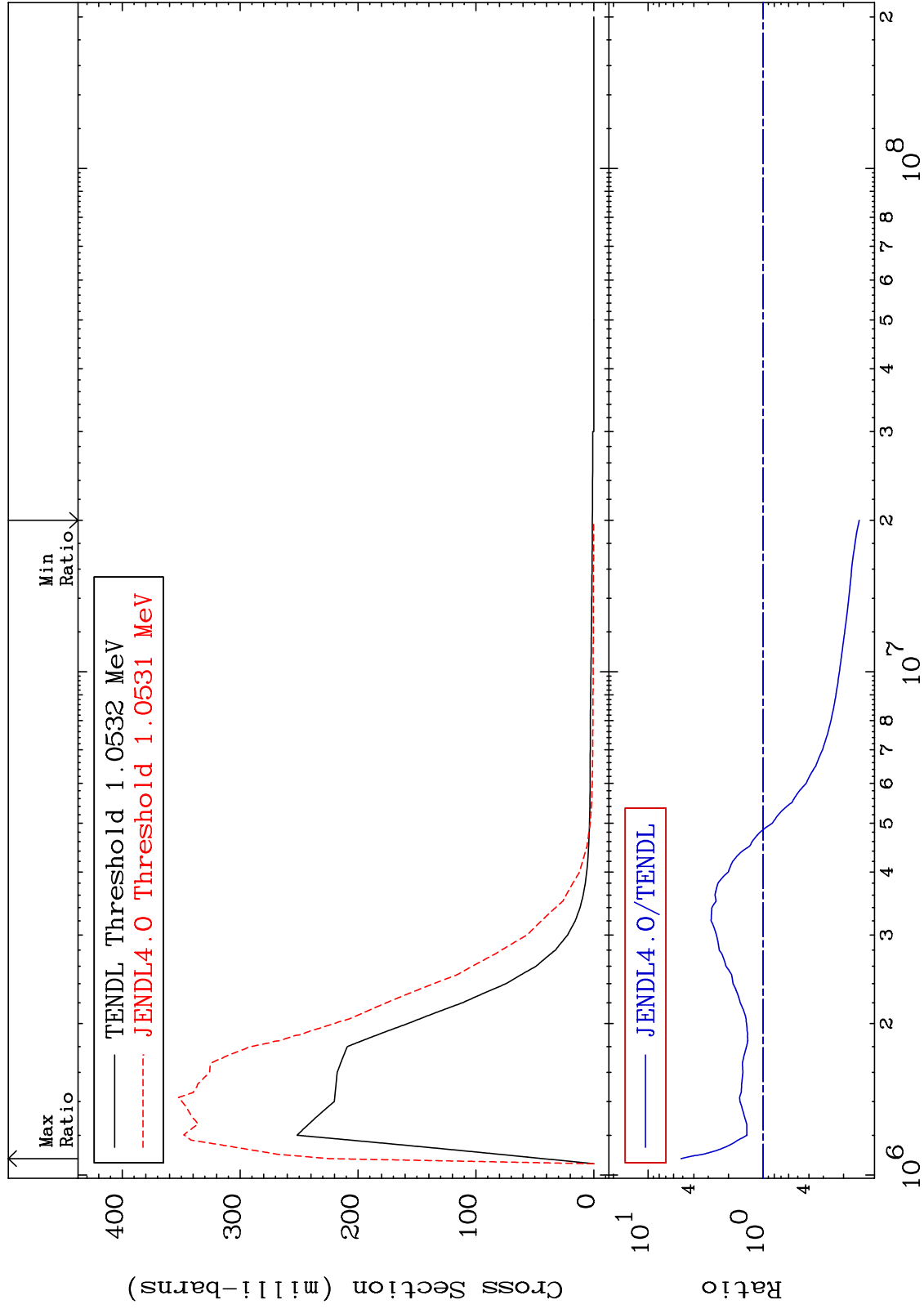
62-Sm-150  
-63.87 To 63.66 %



MAT 6243

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

62-Sm-150  
-85.40 To 416.2 %

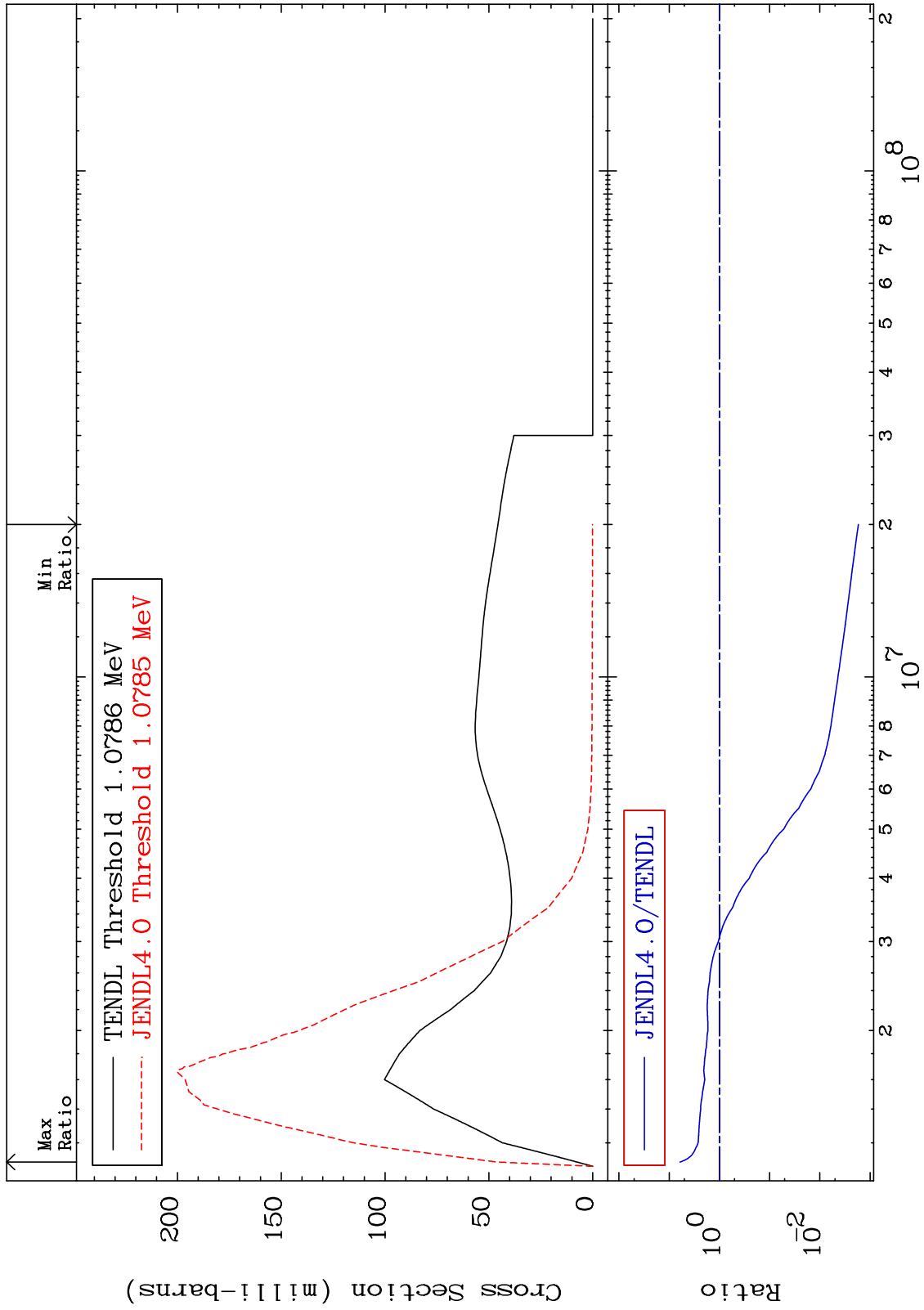


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Incident Energy (eV)

62-Sm-150

MAT 6243 MT= 55 (n,n') Level Cross Section 62-Sm-150  
 -99.83 To 507.8 %

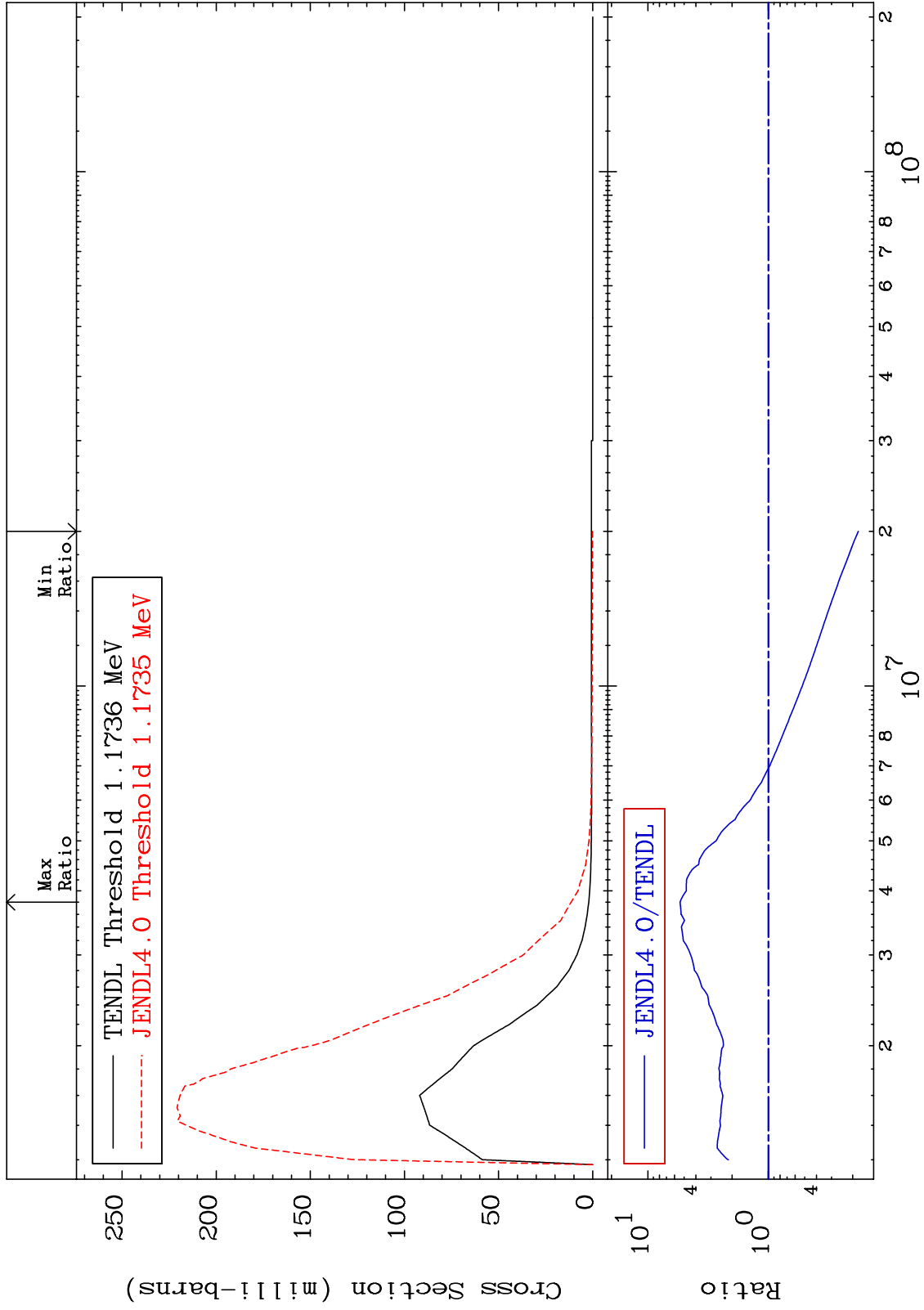




MAT 6243

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

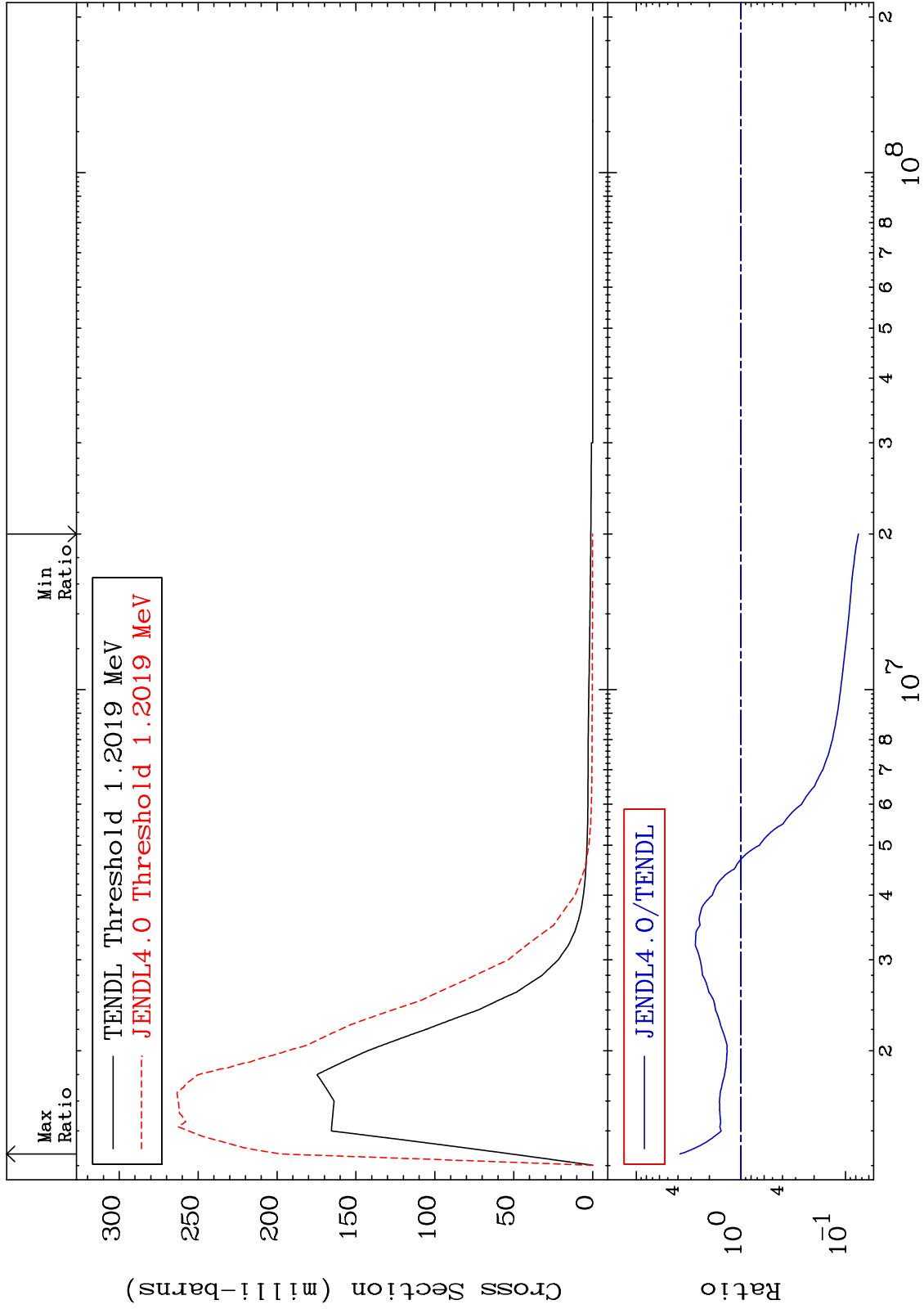
62-Sm-150  
-82.07 To 440.4 %



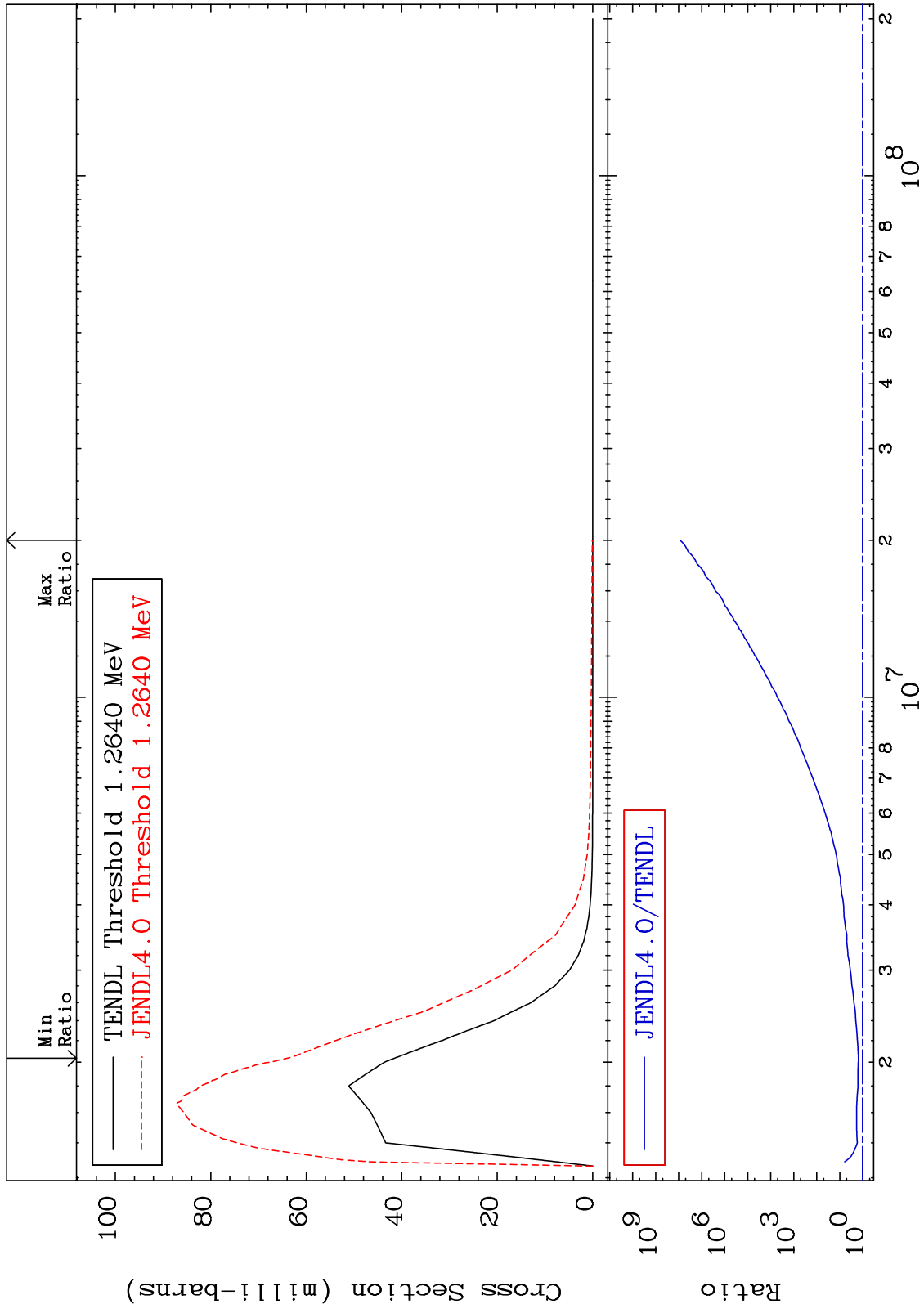
MAT 6243

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

62-Sm-150  
-92.46 To 281.7 %



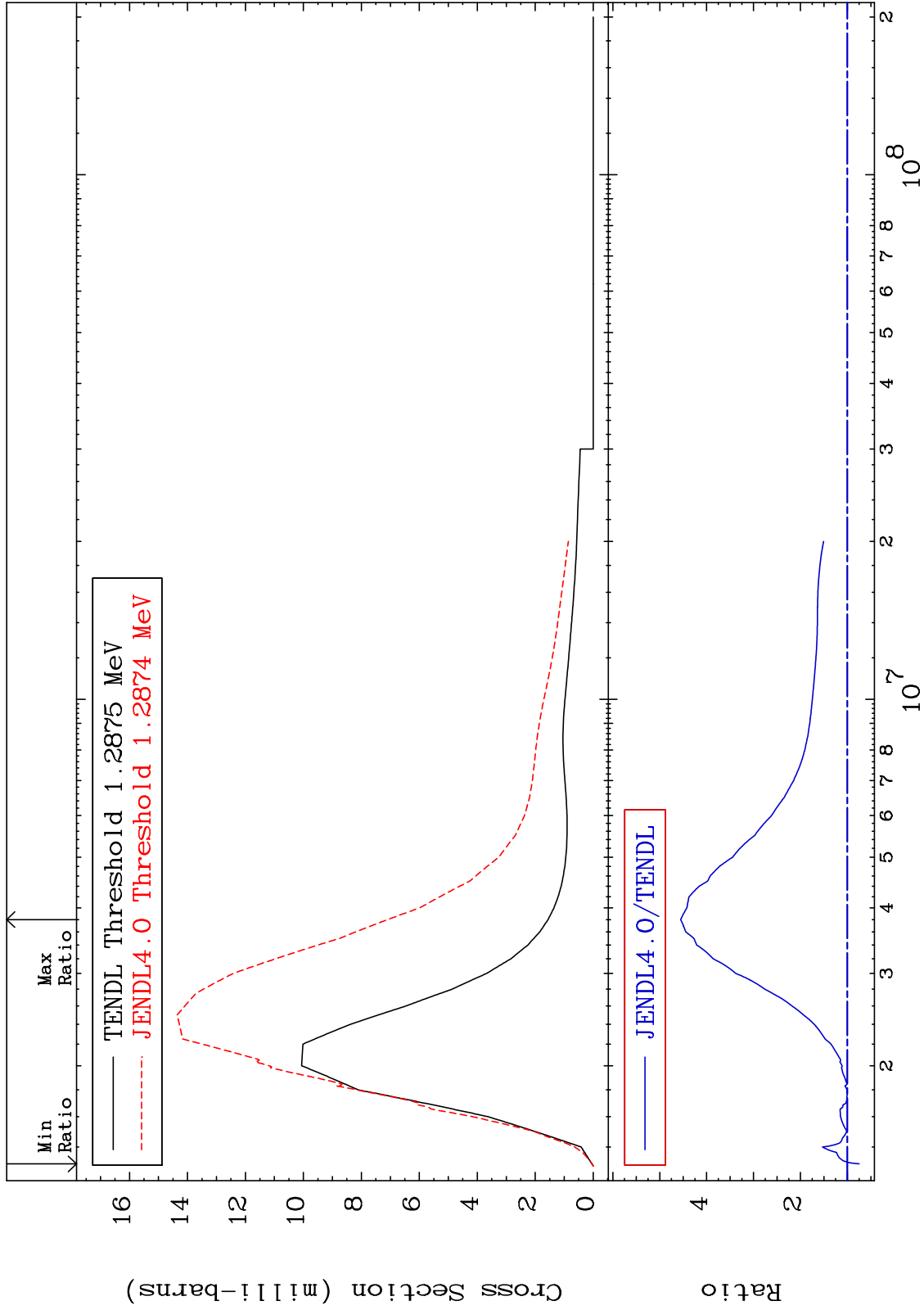
MAT 6243 MT= 58 (n, n') Level Cross Section 62-Sm-150 To 9999. %  
 53.95



MAT 6243

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

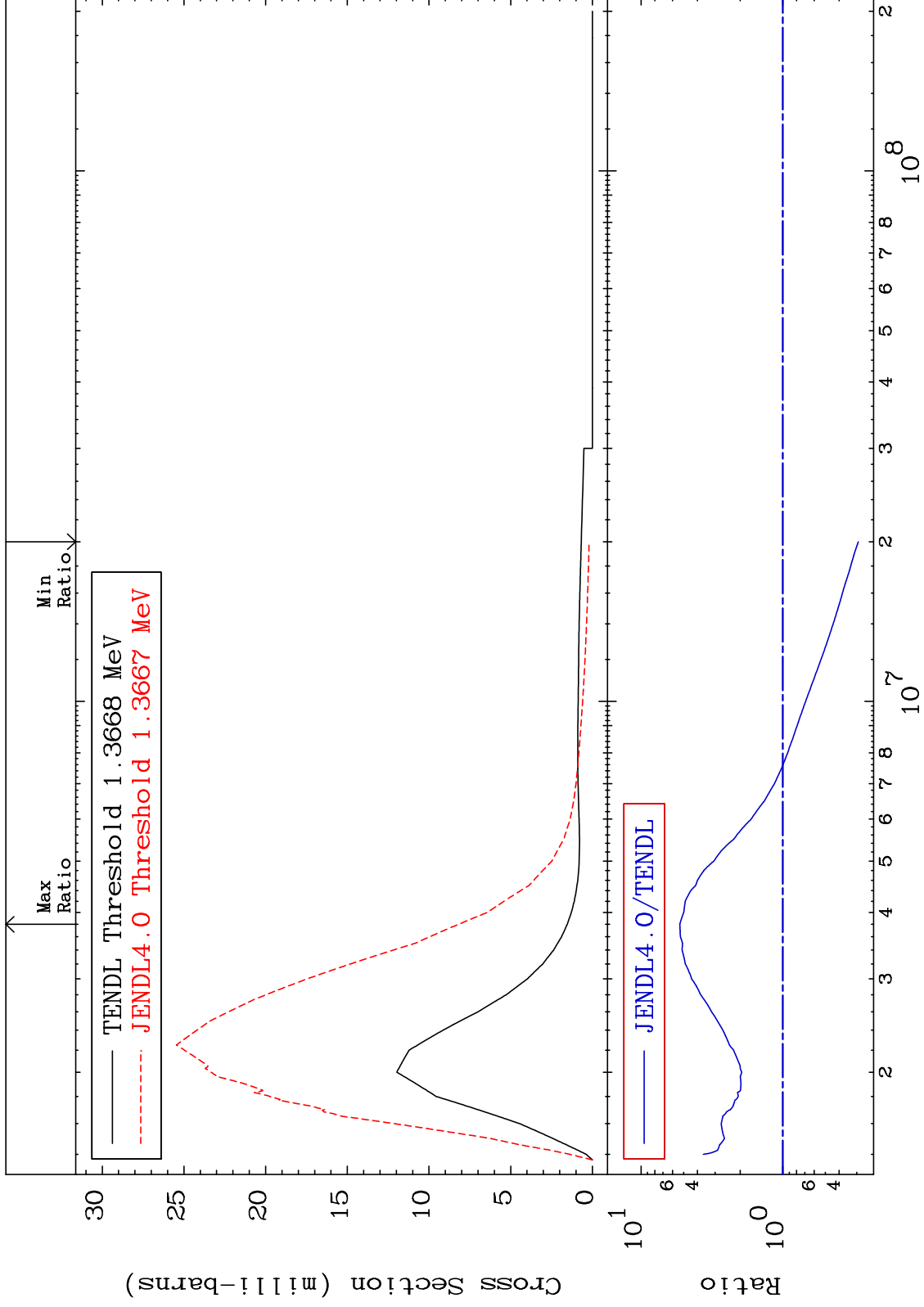
62-Sm-150  
-25.17 To 355.4 %



MAT 6243

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

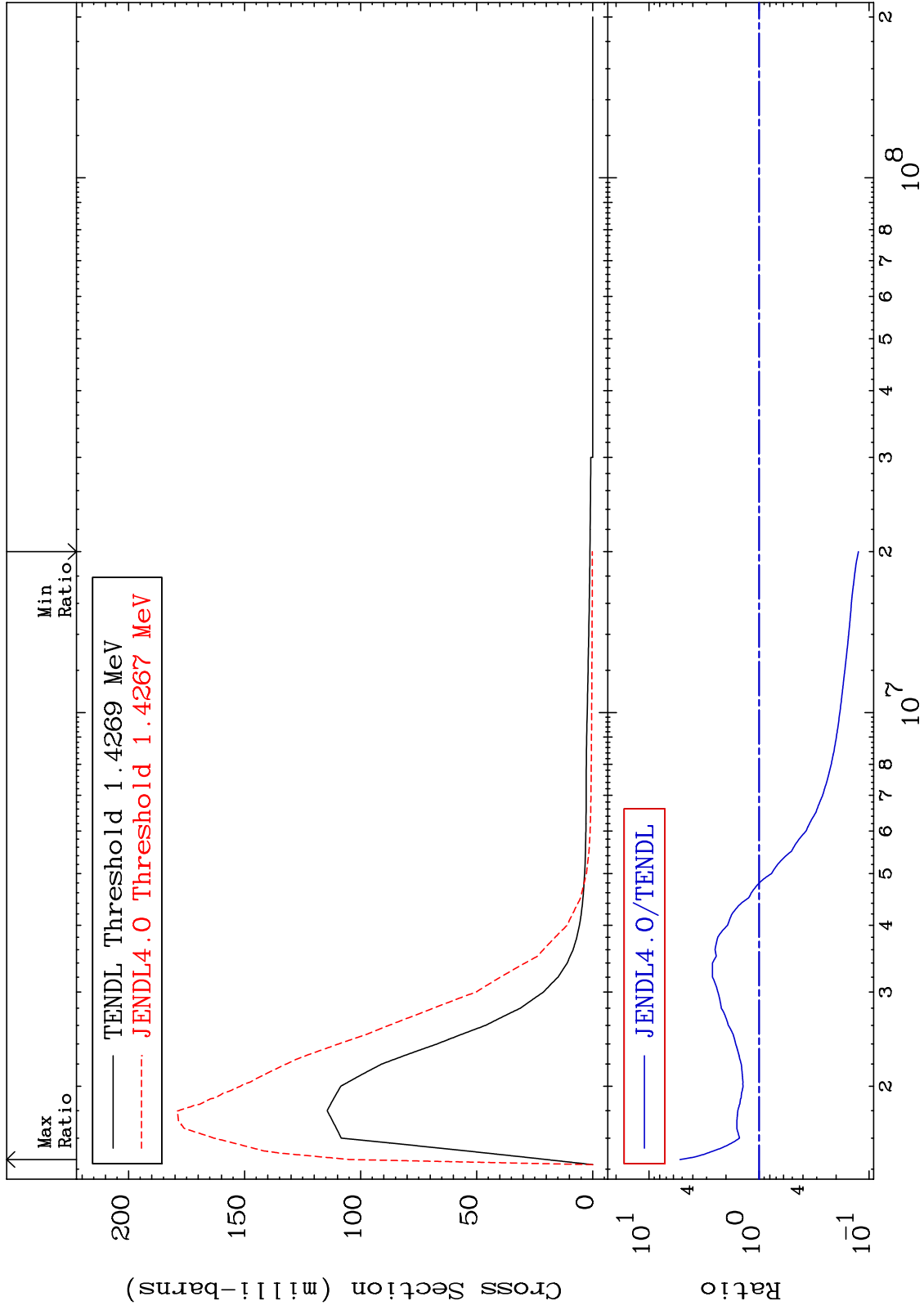
62-Sm-150  
-70.71 To 432.7 %



MAT 6243

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

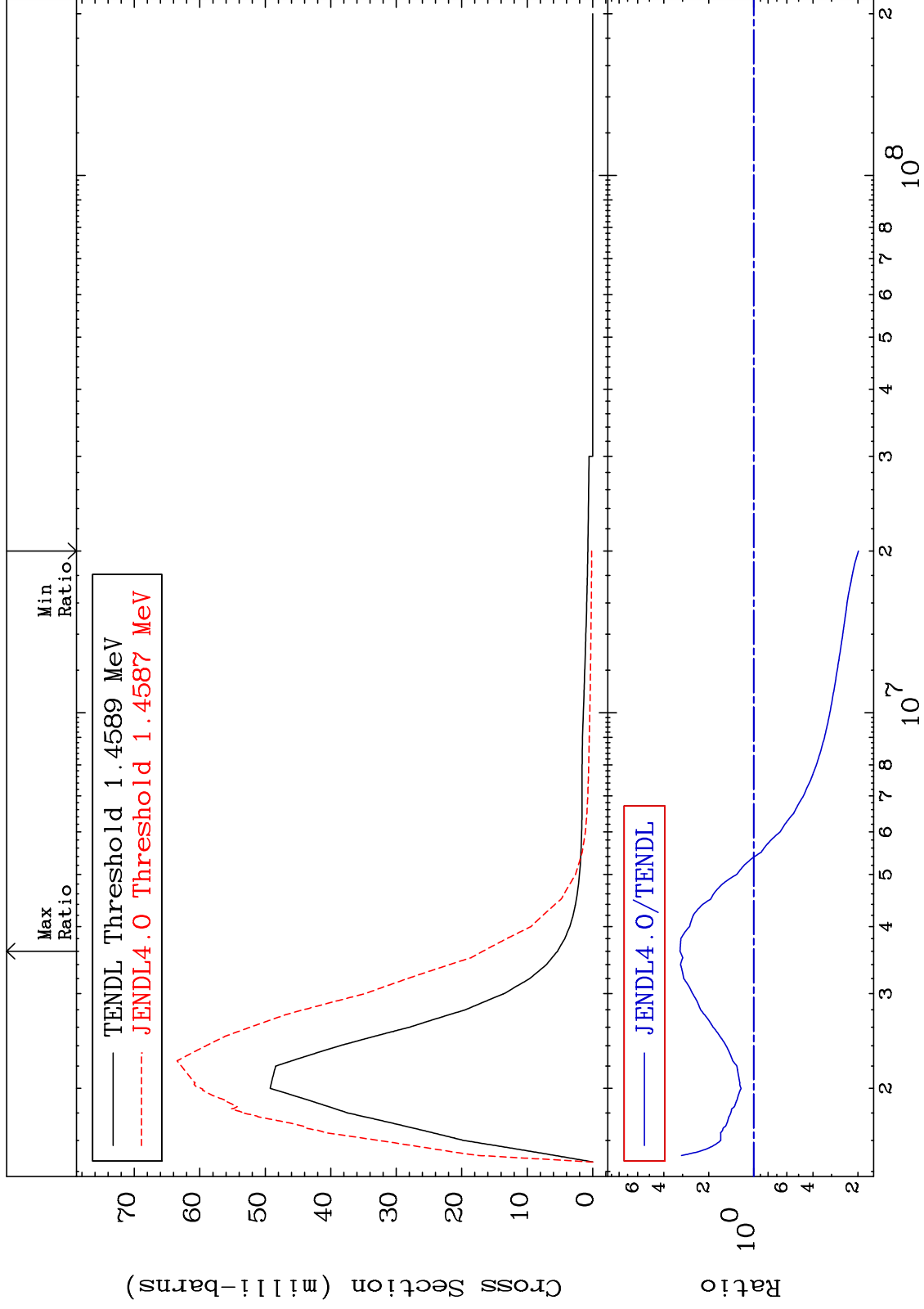
62-Sm-150  
-87.49 To 423.4 %



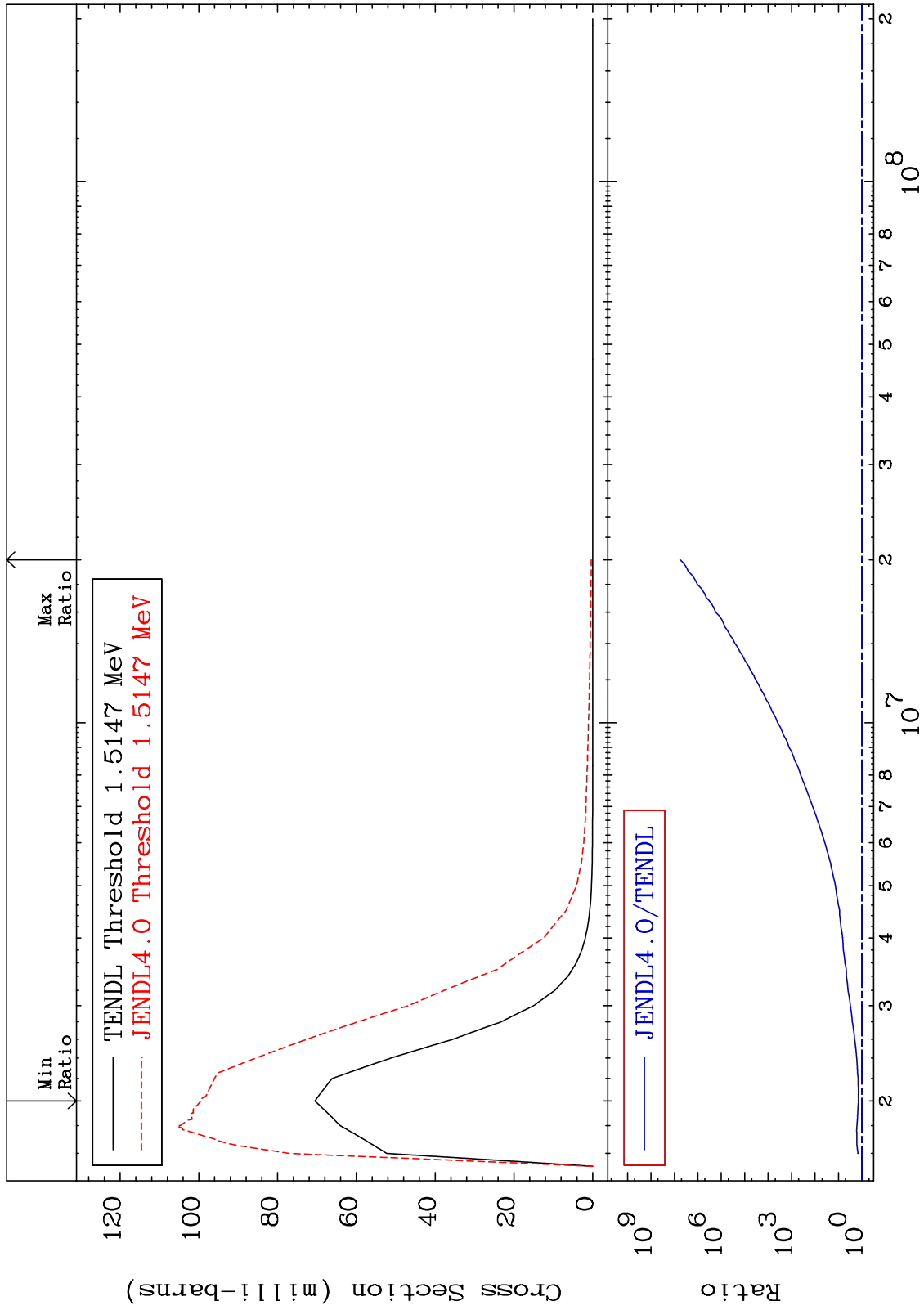
MAT 6243

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

62-Sm-150  
-80.17 To 211.9 %



MAT 6243 MT= 63 (n, n') Level Cross Section 62-Sm-150  
 41.01 To 9999. %

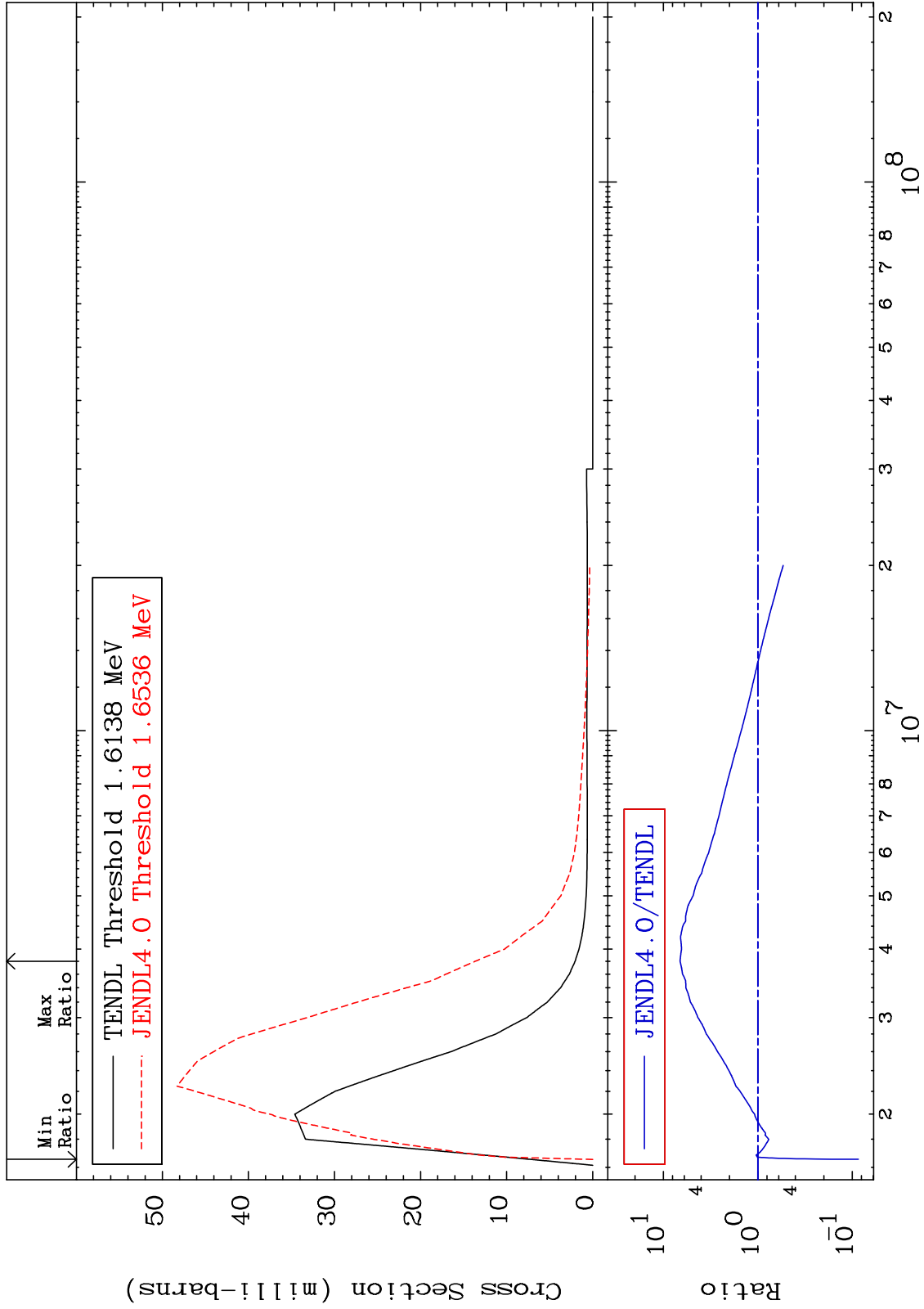




MAT 6243

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

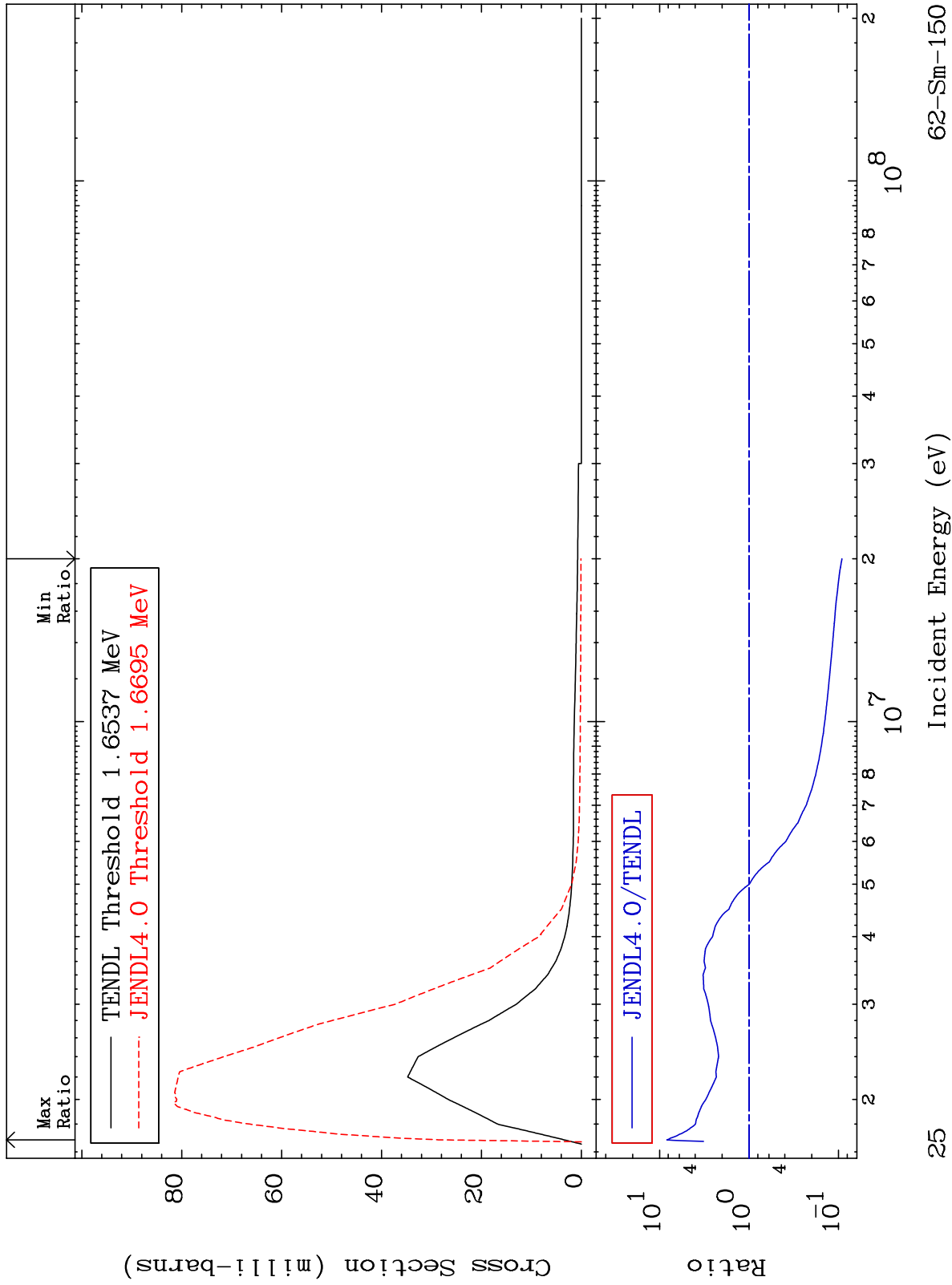
62-Sm-150  
-91.39 To 567.9 %



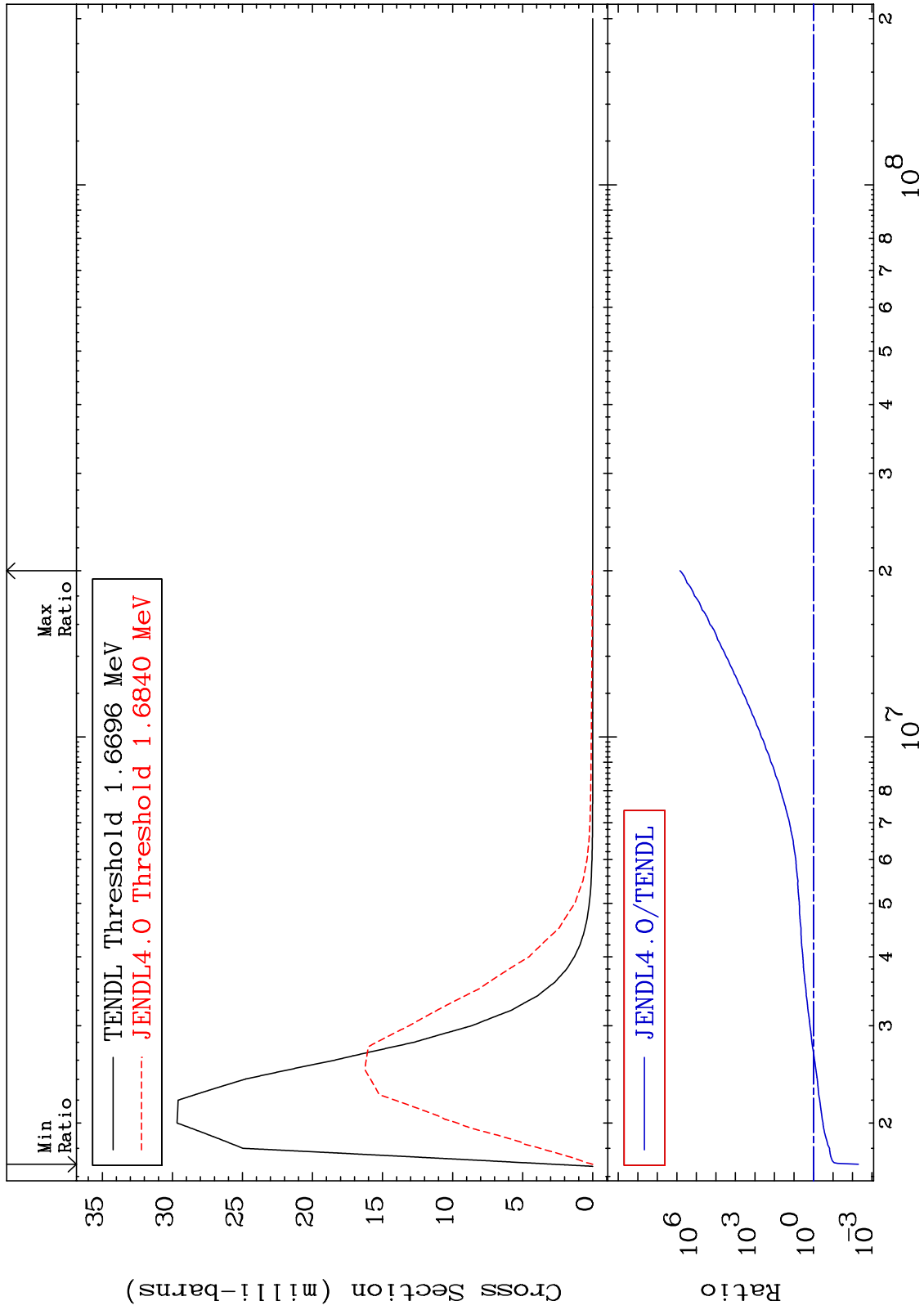
MAT 6243

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

62-Sm-150  
-90.83 To 726.3 %



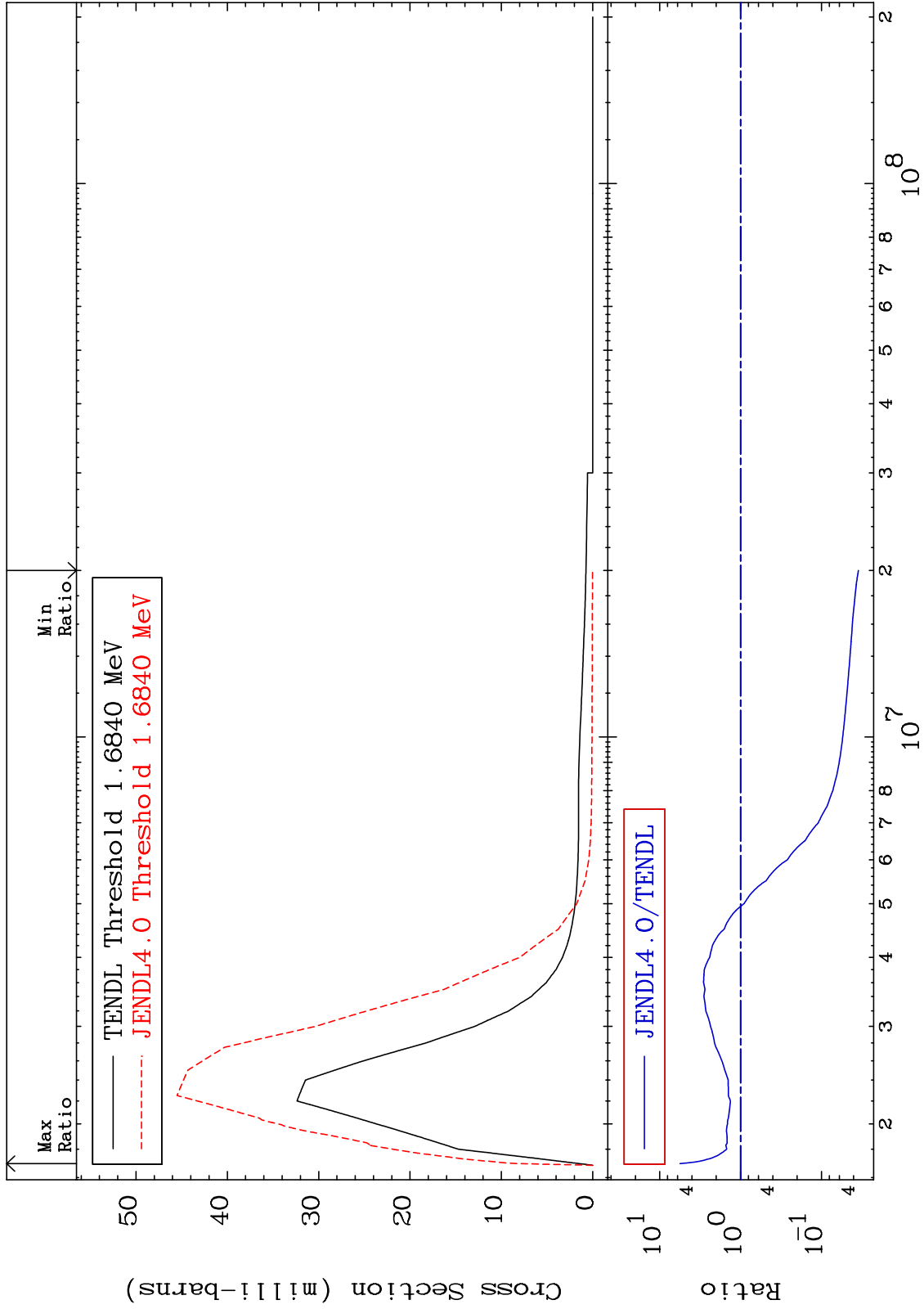
MAT 6243      MT= 66 (n,n') Level Cross Section      62-Sm-150  
 -99.50 To 9999. %



MAT 6243

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

62-Sm-150  
-96.51 To 461.0 %



27

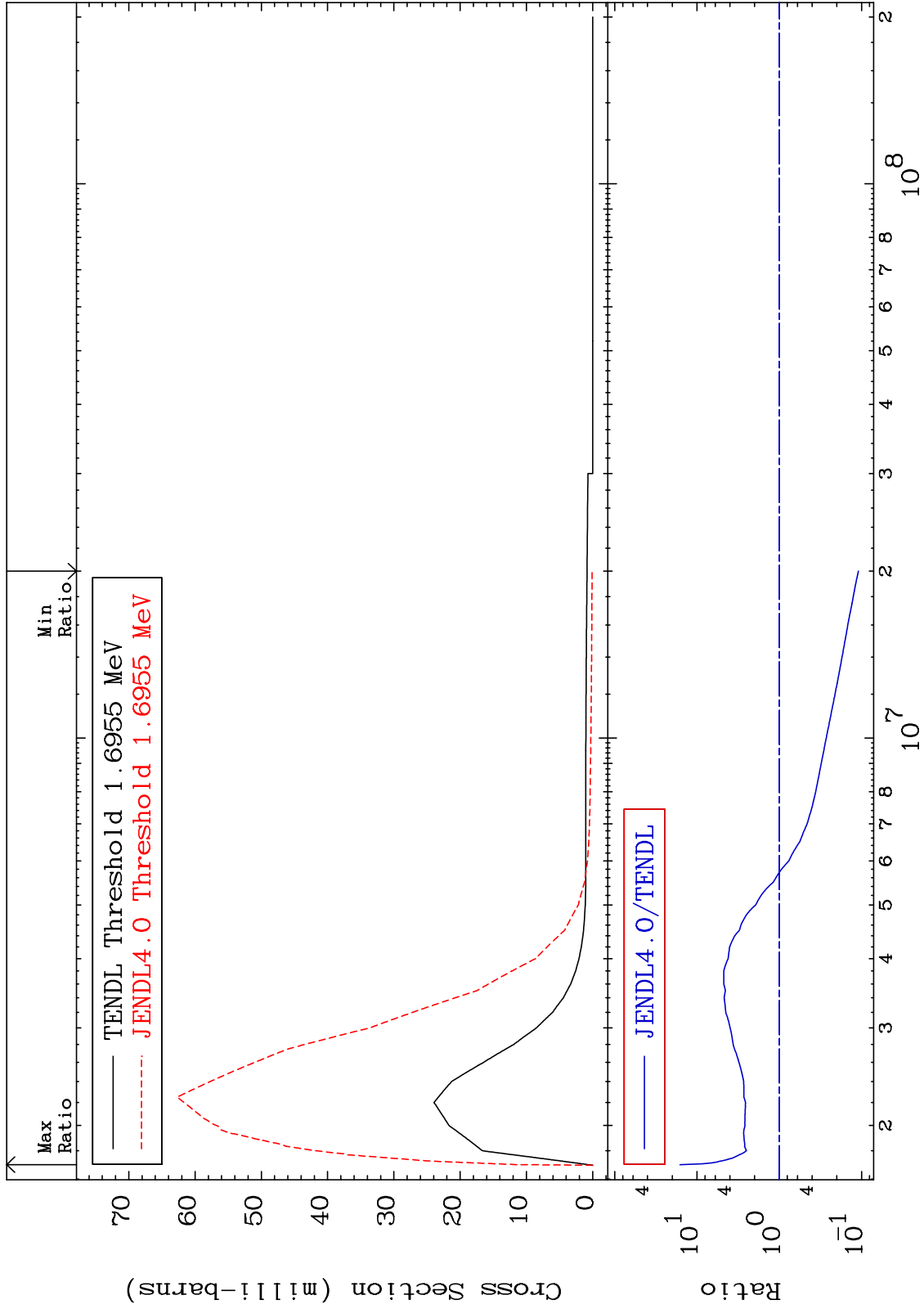
Incident Energy (eV)

62-Sm-150

MAT 6243

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

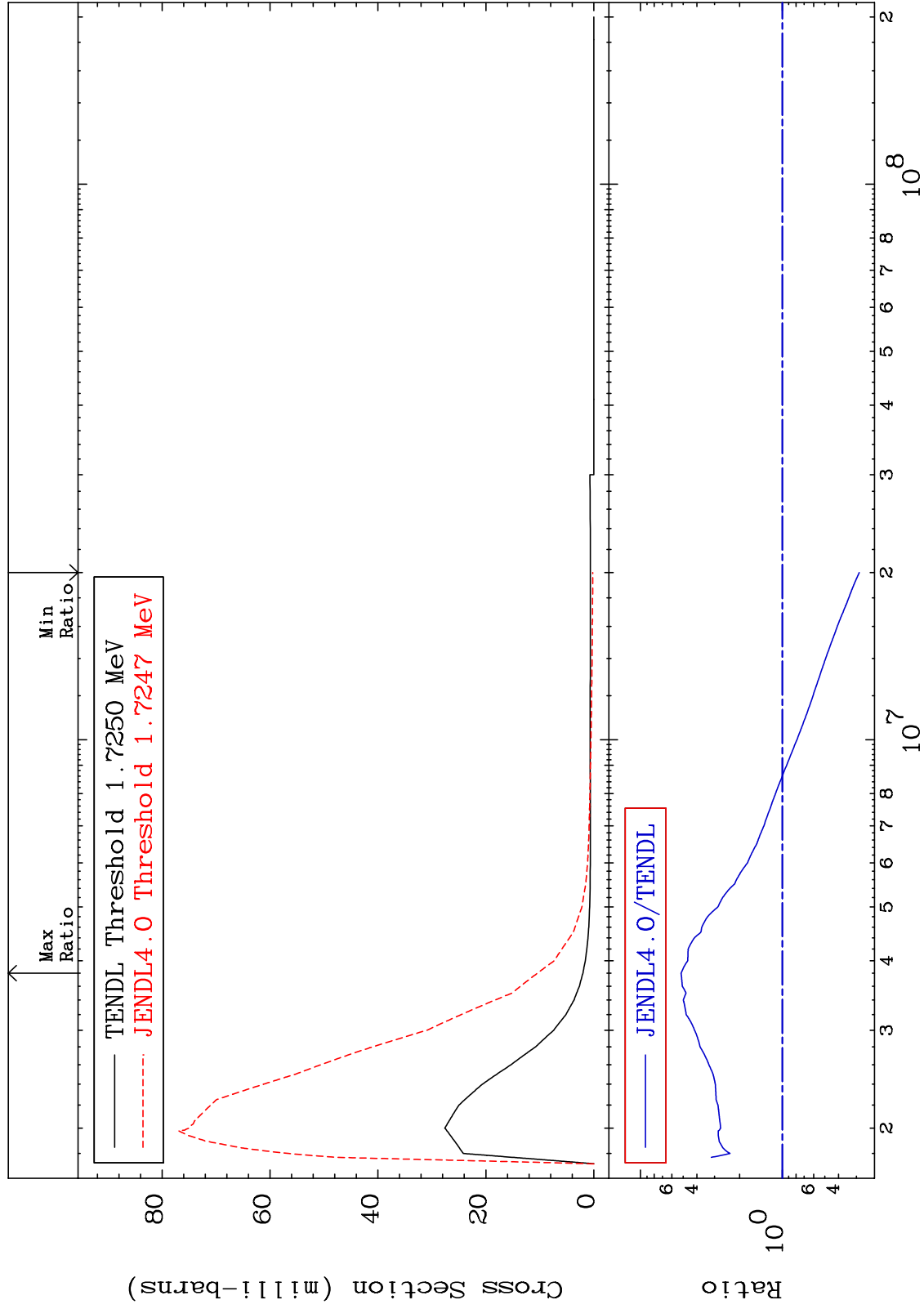
62-Sm-150  
-89.07 To 1511. %



MAT 6243

MT= 69 (n,n') Level  
Cross Section

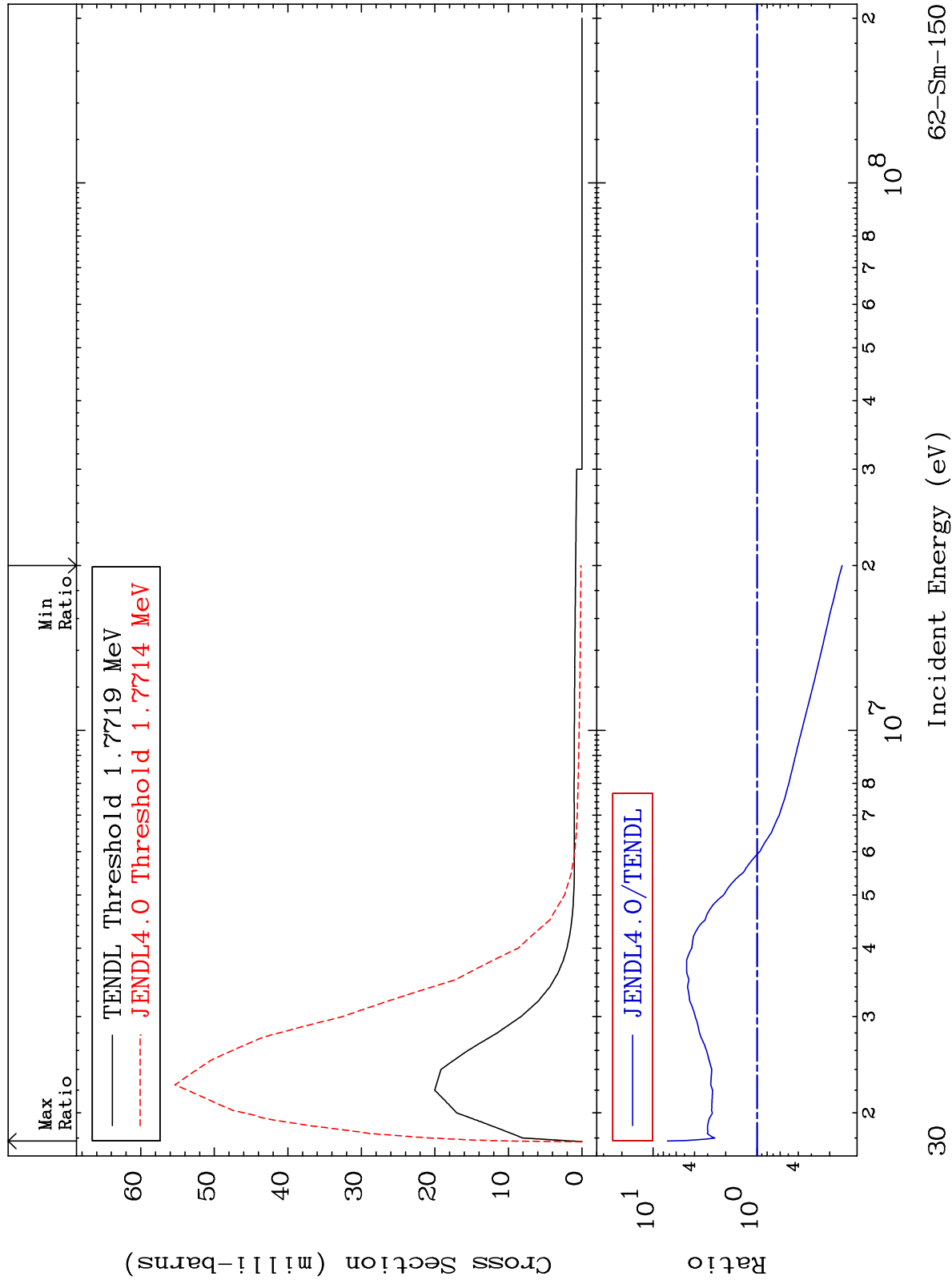
62-Sm-150  
-71.39 To 417.2 %



MAT 6243

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

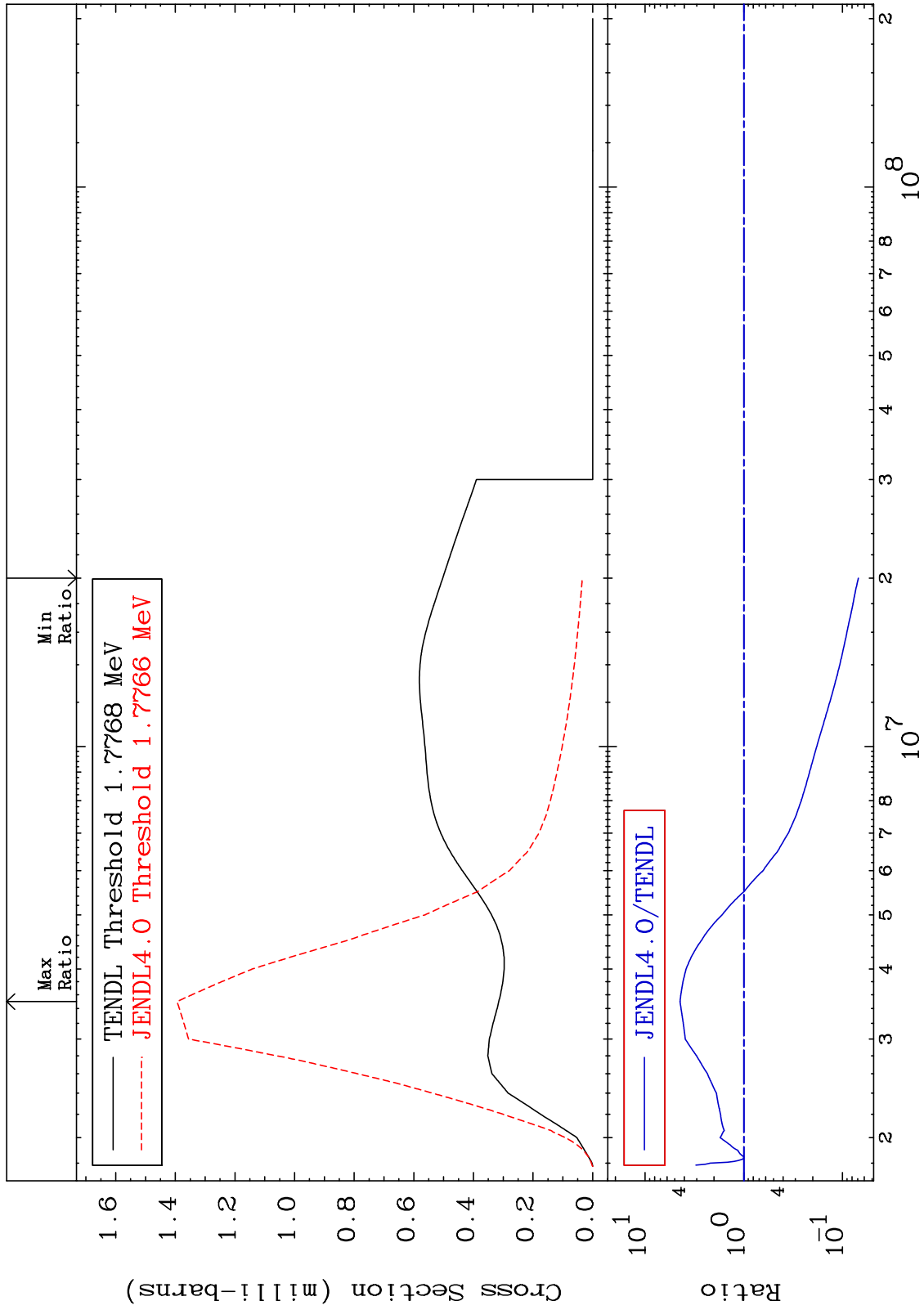
62-Sm-150  
-84.84 To 628.6 %



MAT 6243

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

62-Sm-150  
-93.11 To 342.6 %

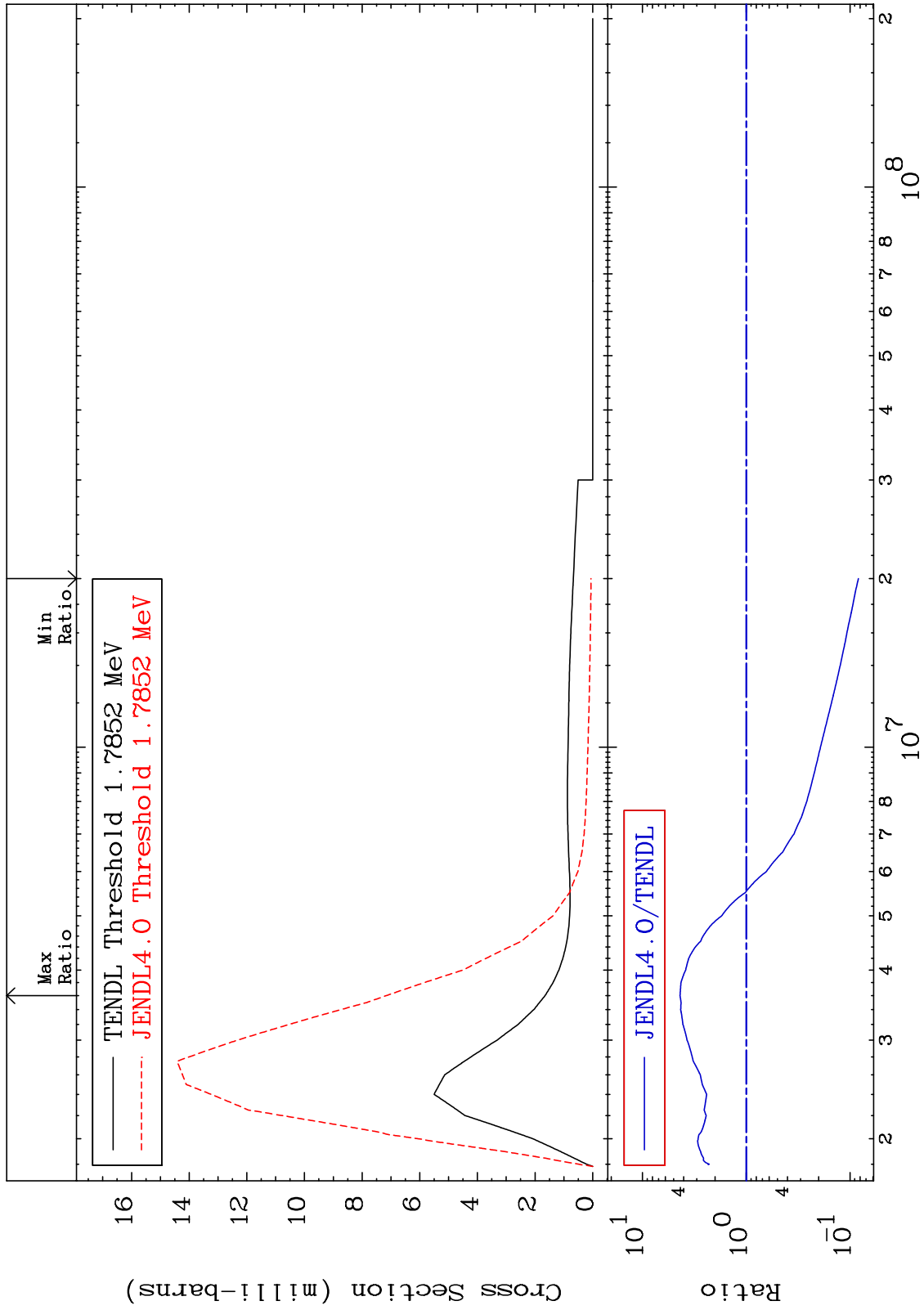




MAT 6243

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

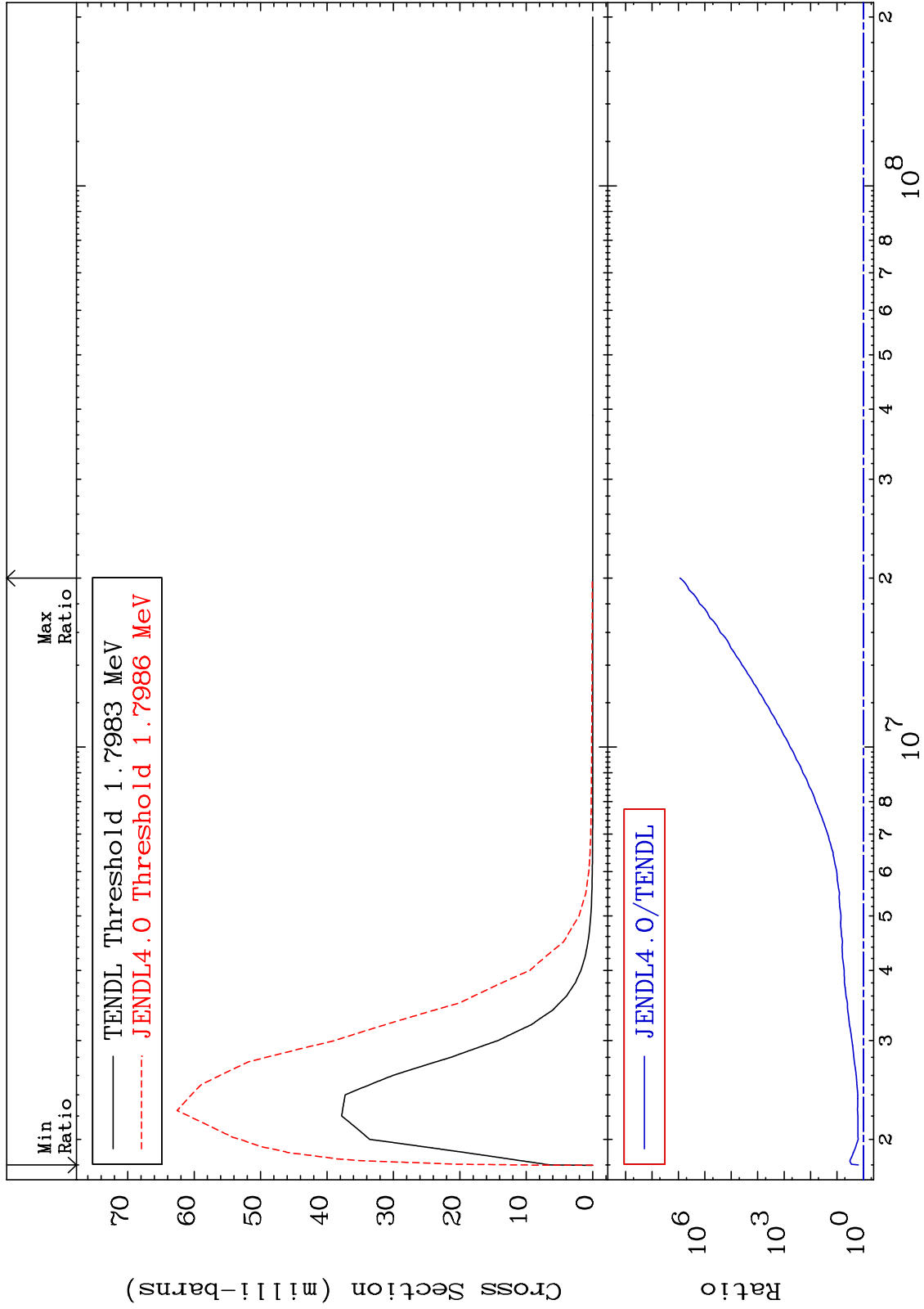
62-Sm-150  
-91.70 To 334.2 %



MAT 6243

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

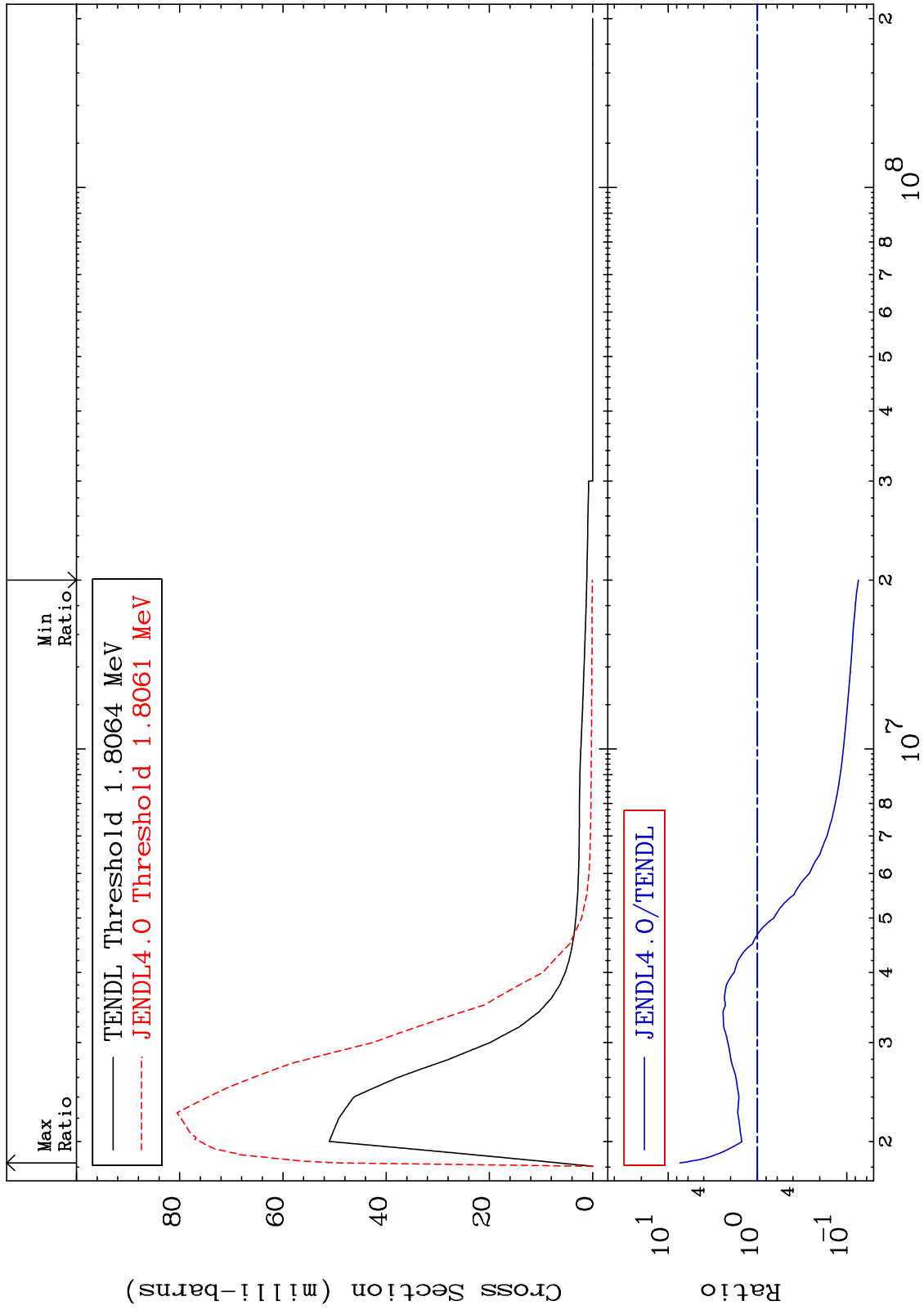
62-Sm-150  
54.04 To 9999. %



MAT 6243

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

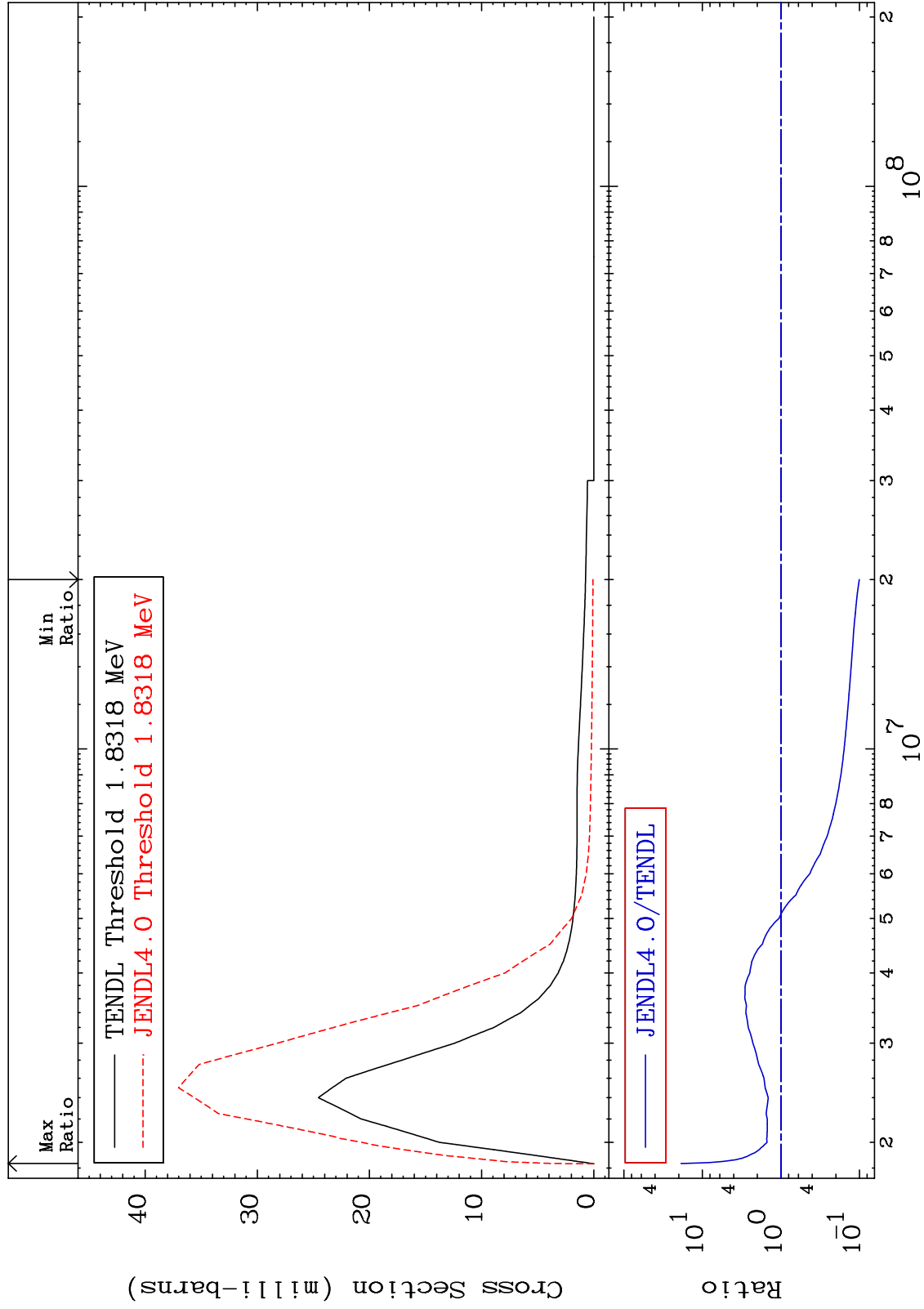
62-Sm-150  
-92.60 To 635.9 %



MAT 6243

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

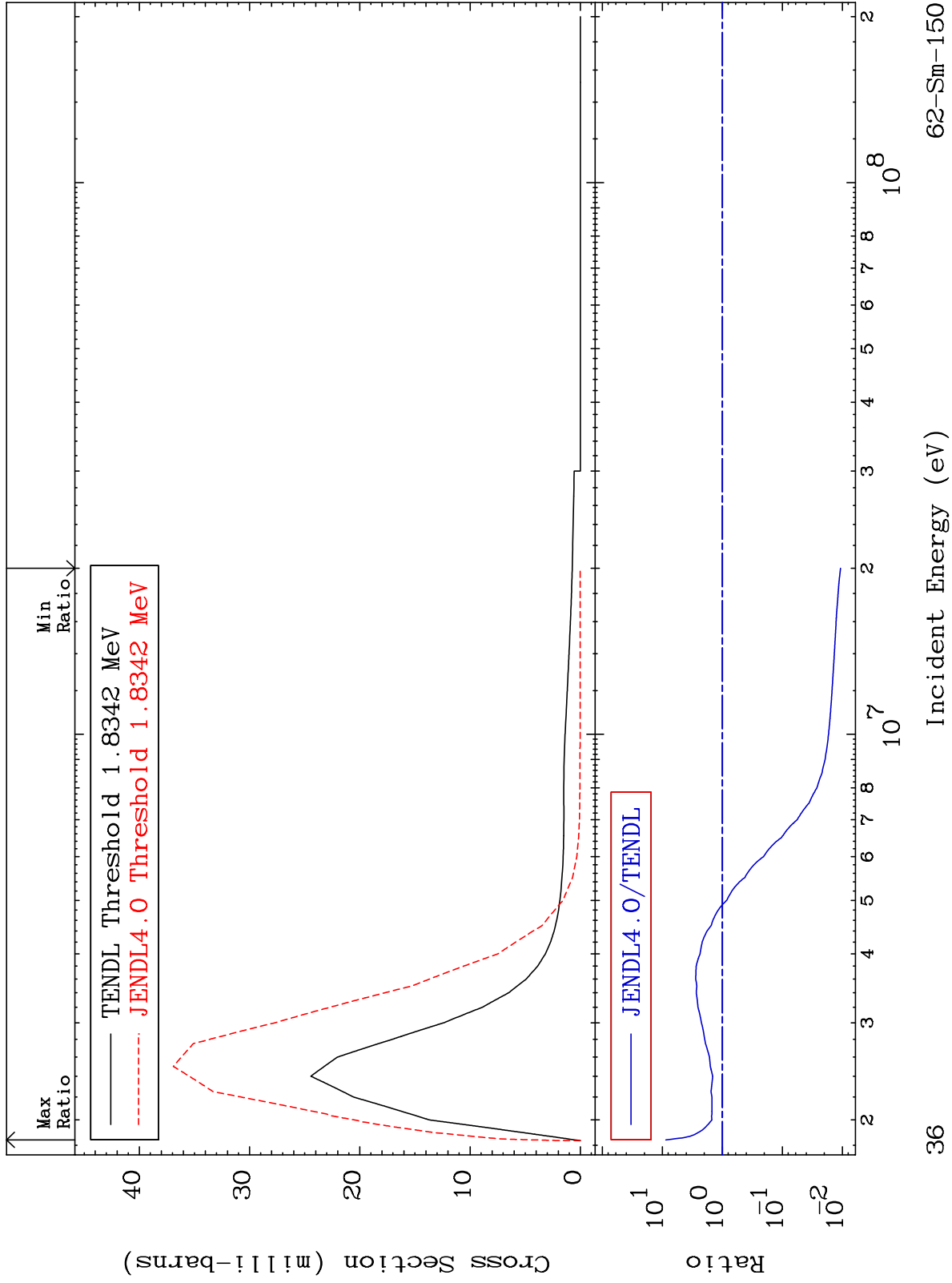
62-Sm-150  
-89.94 To 1768. %



MAT 6243

MT= 76 (n,n') Level  
Cross Section

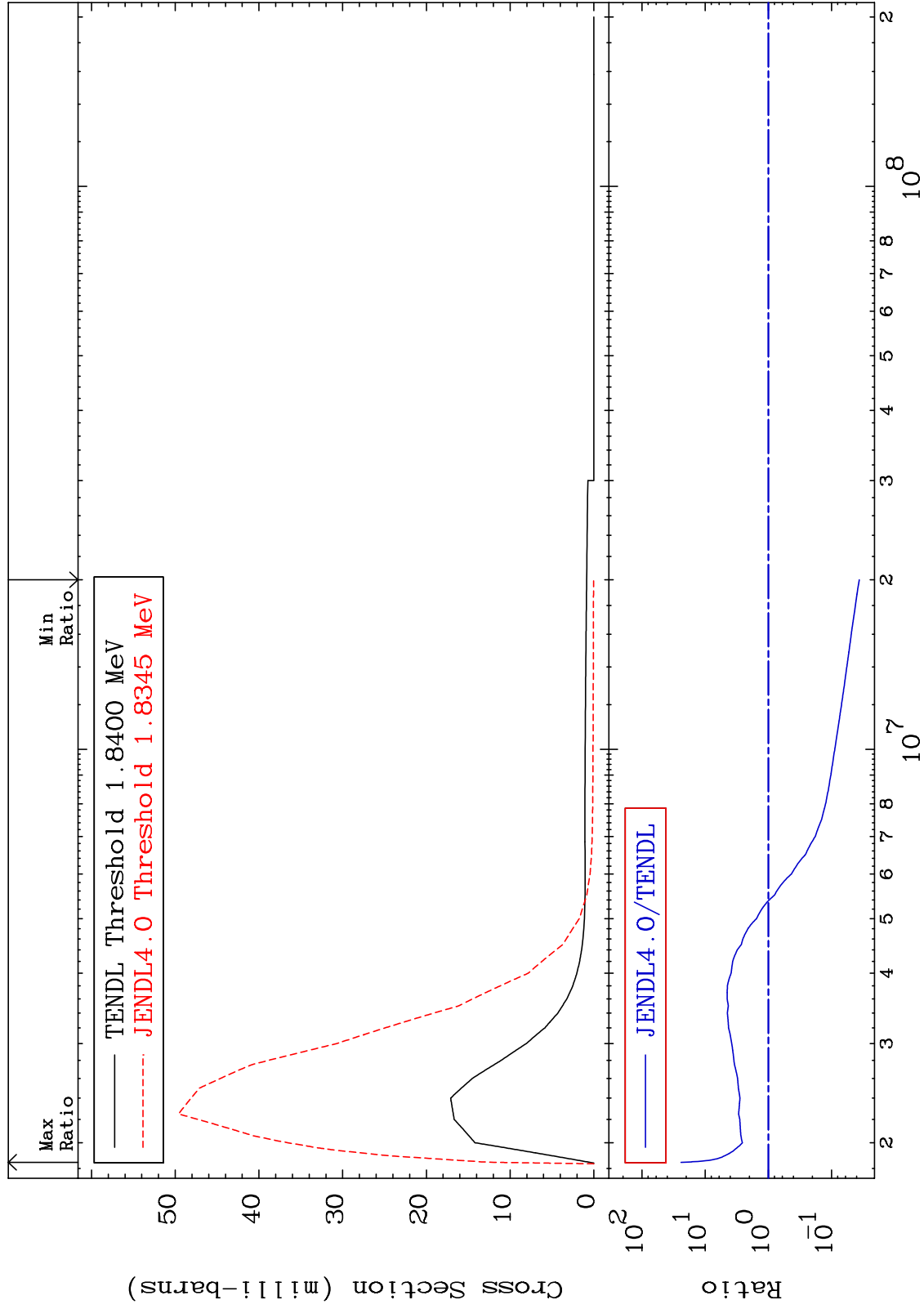
62-Sm-150  
-98.93 To 775.8 %



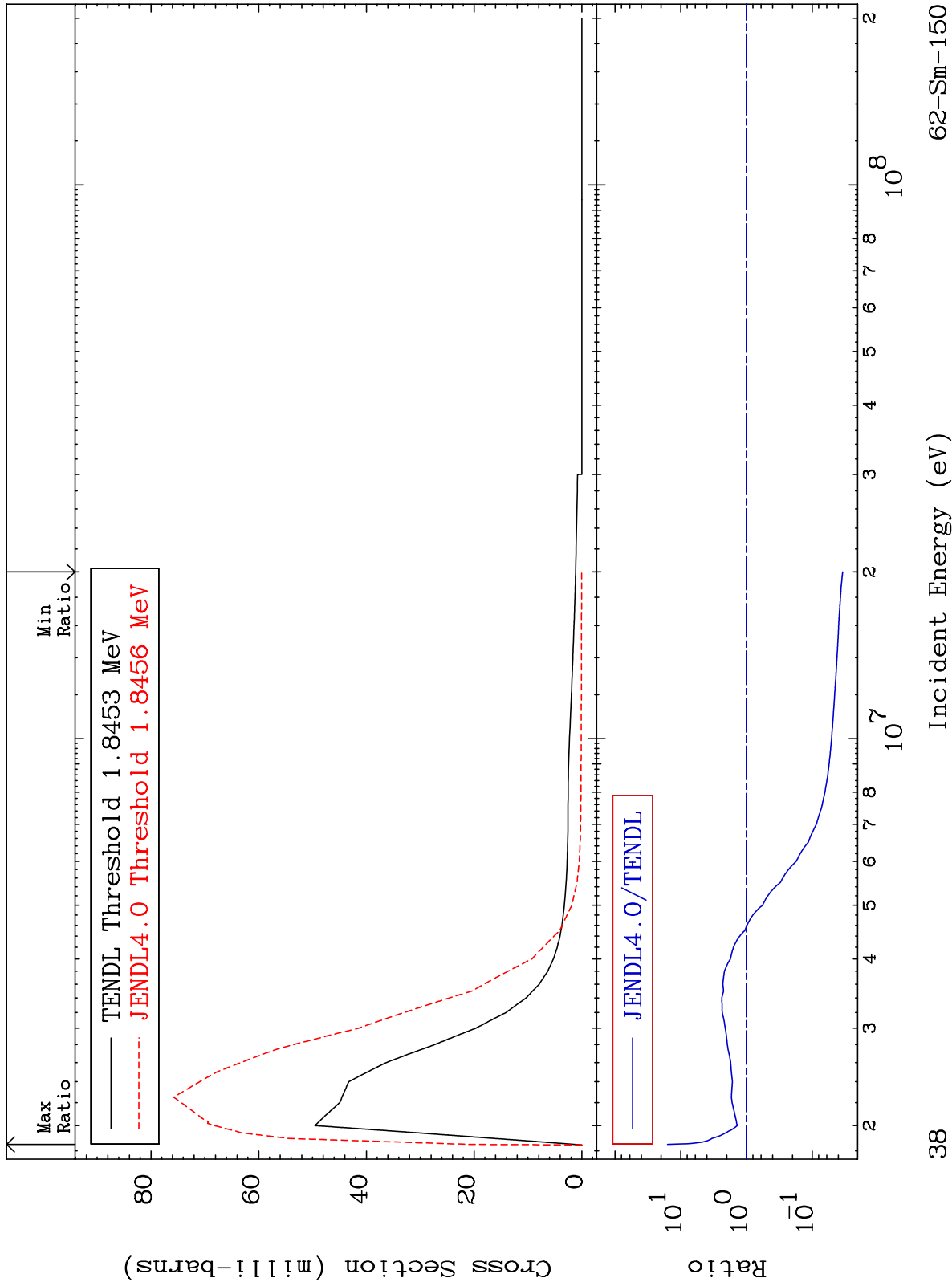
MAT 6243

MT= 77 (n,n') Level  
Cross Section

62-Sm-150  
-96.37 To 2311. %



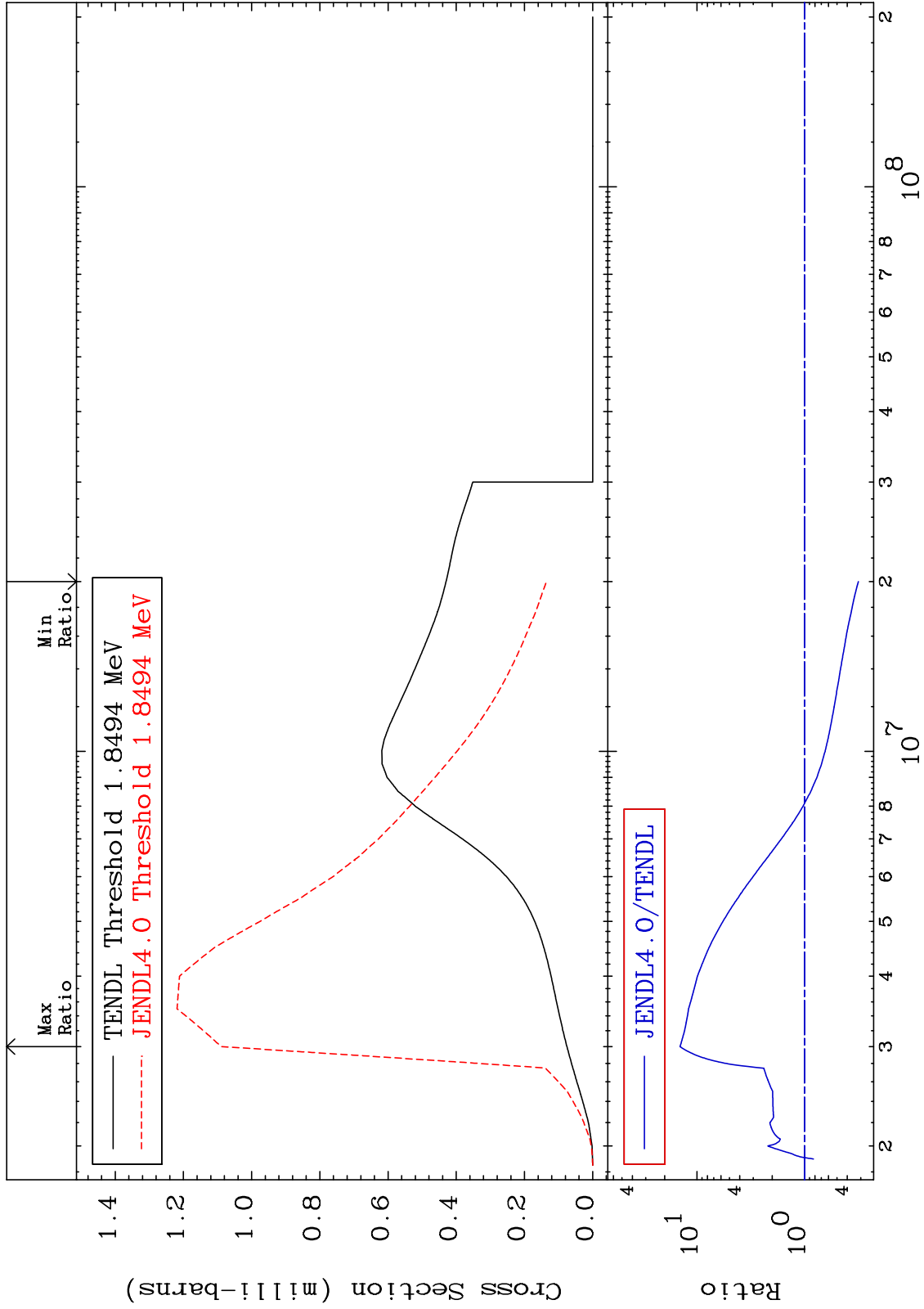
MAT 6243 MT= 78 (n,n') Level Cross Section 62-Sm-150 -96.56 To 1492. %



MAT 6243

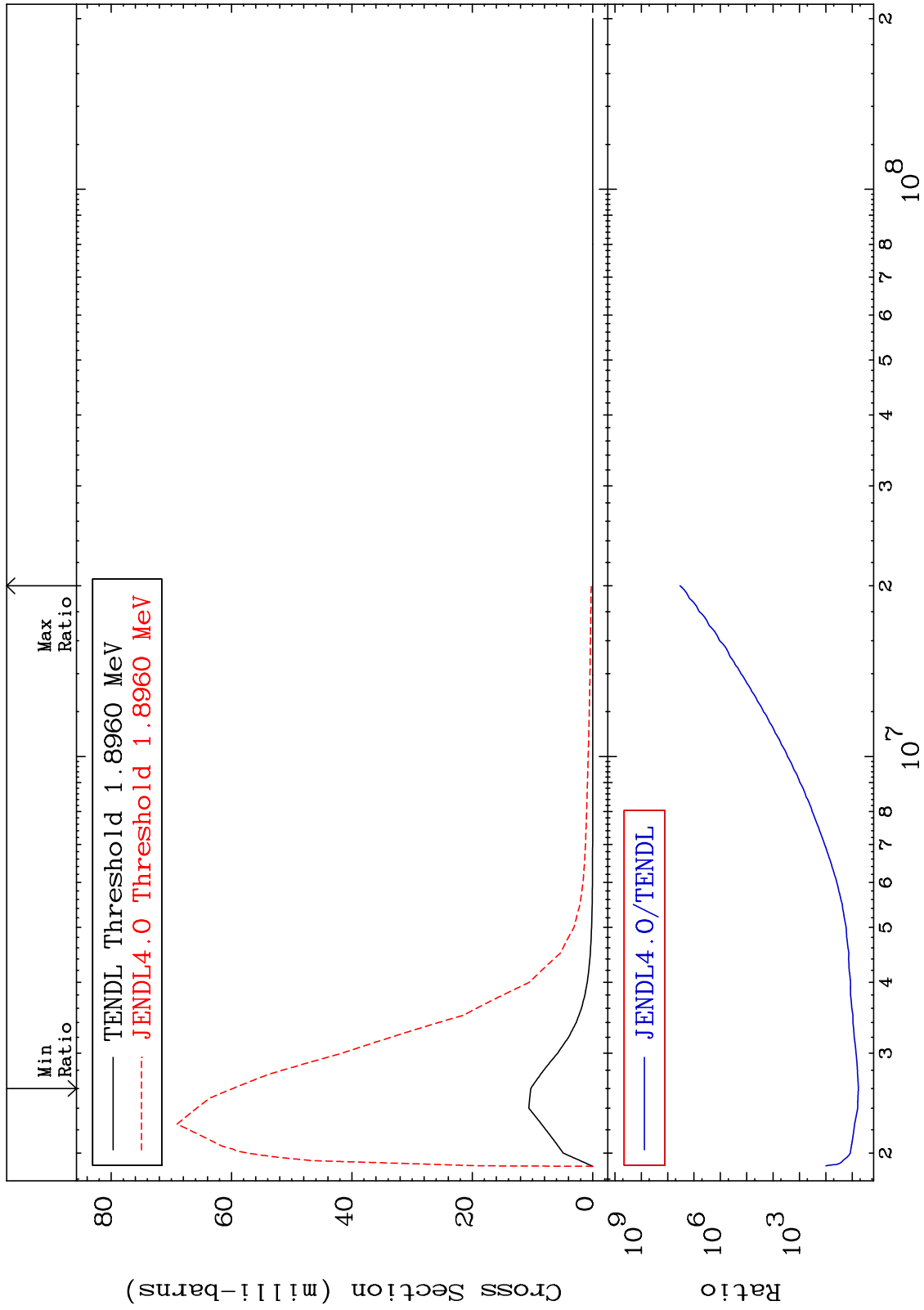
MT= 79 (n,n') Level  
Cross Section

62-Sm-150  
-68.47 To 1340. %





MAT 6243 MT= 80 (n, n') Level Cross Section 62-Sm-150  
 480.6 To 9999. %

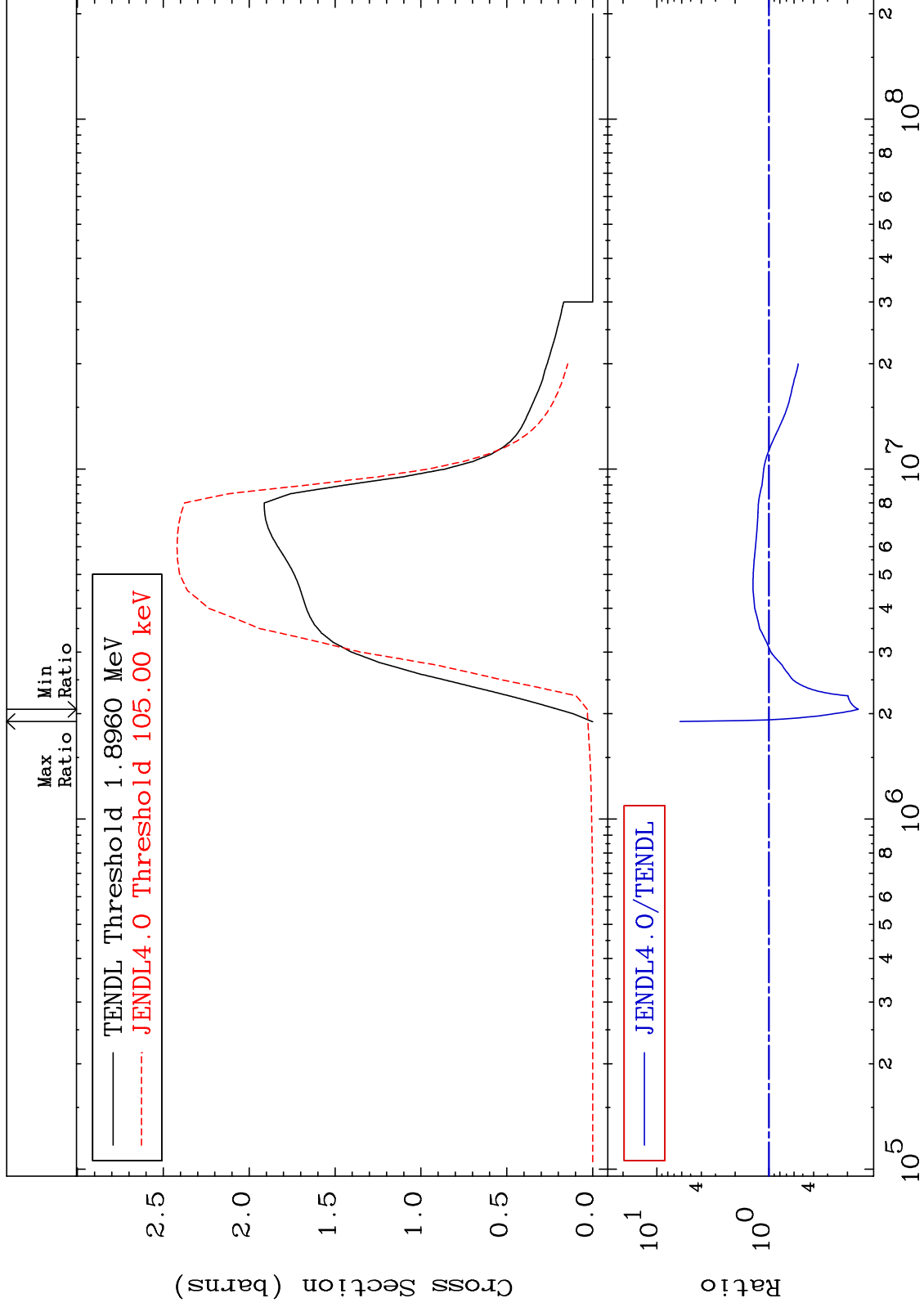


40 Incident Energy (eV) 62-Sm-150

MAT 6243

(n, n') Continuum  
Cross Section

62-Sm-150  
-84.02 To 520.6 %



41

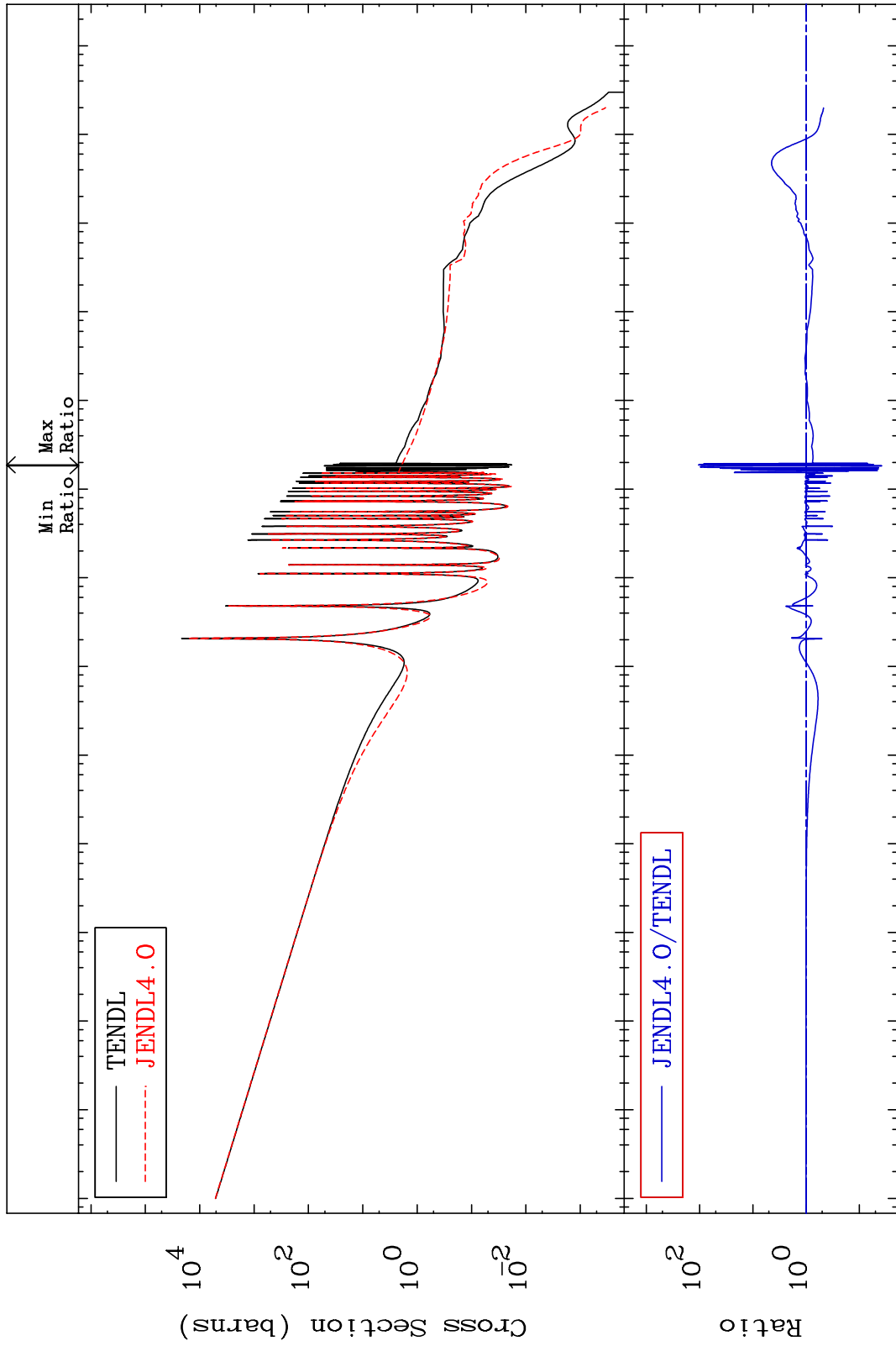
Incident Energy (eV)

62-Sm-150

MAT 6243

(n,  $\gamma$ )  
Cross Section

62-Sm-150  
-96.15 To 9999. %



42

Incident Energy (eV)

62-Sm-150

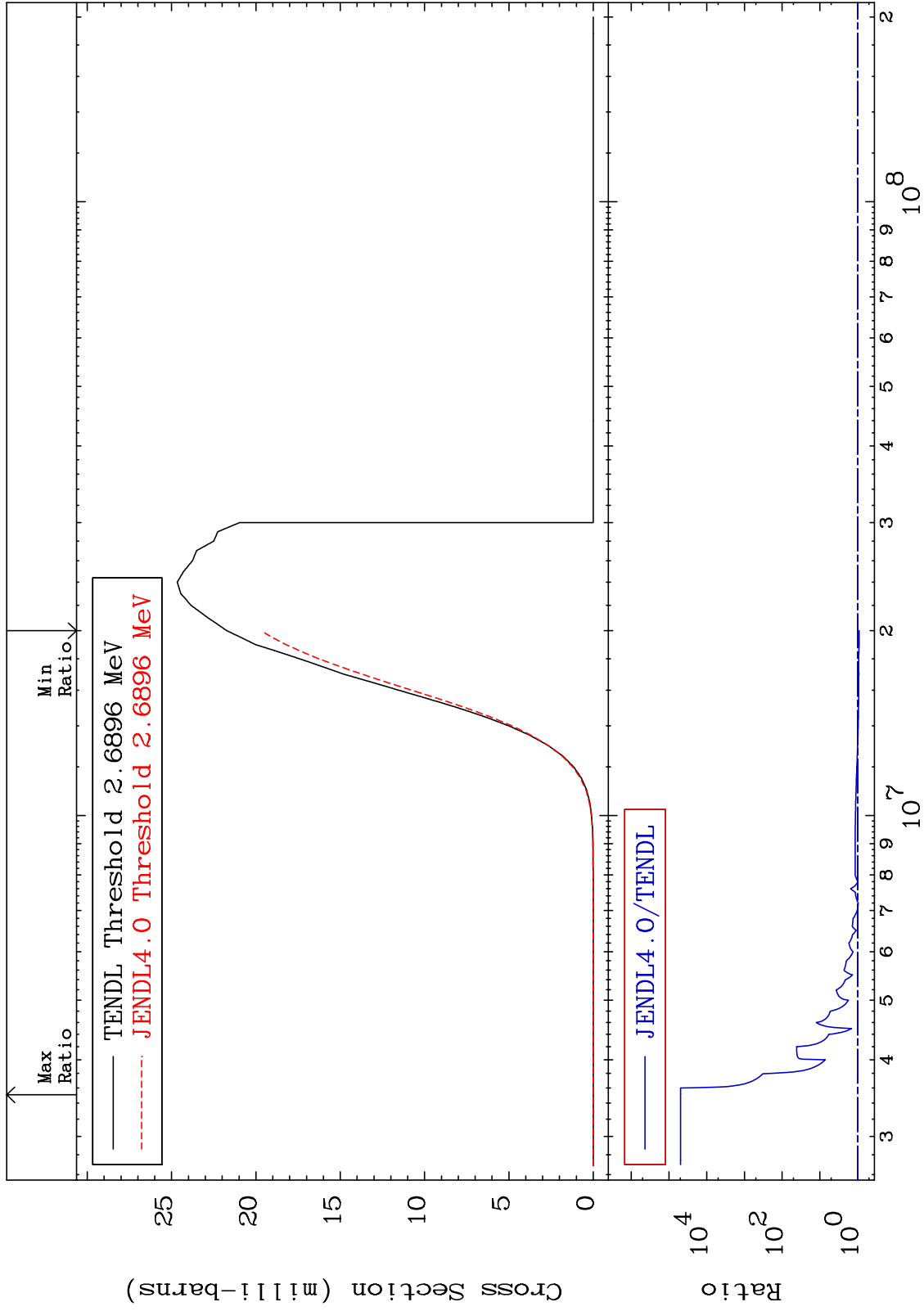
MAT 6243

(n,p)

62-Sm-150

Cross Section

-9.326 To 9999. %



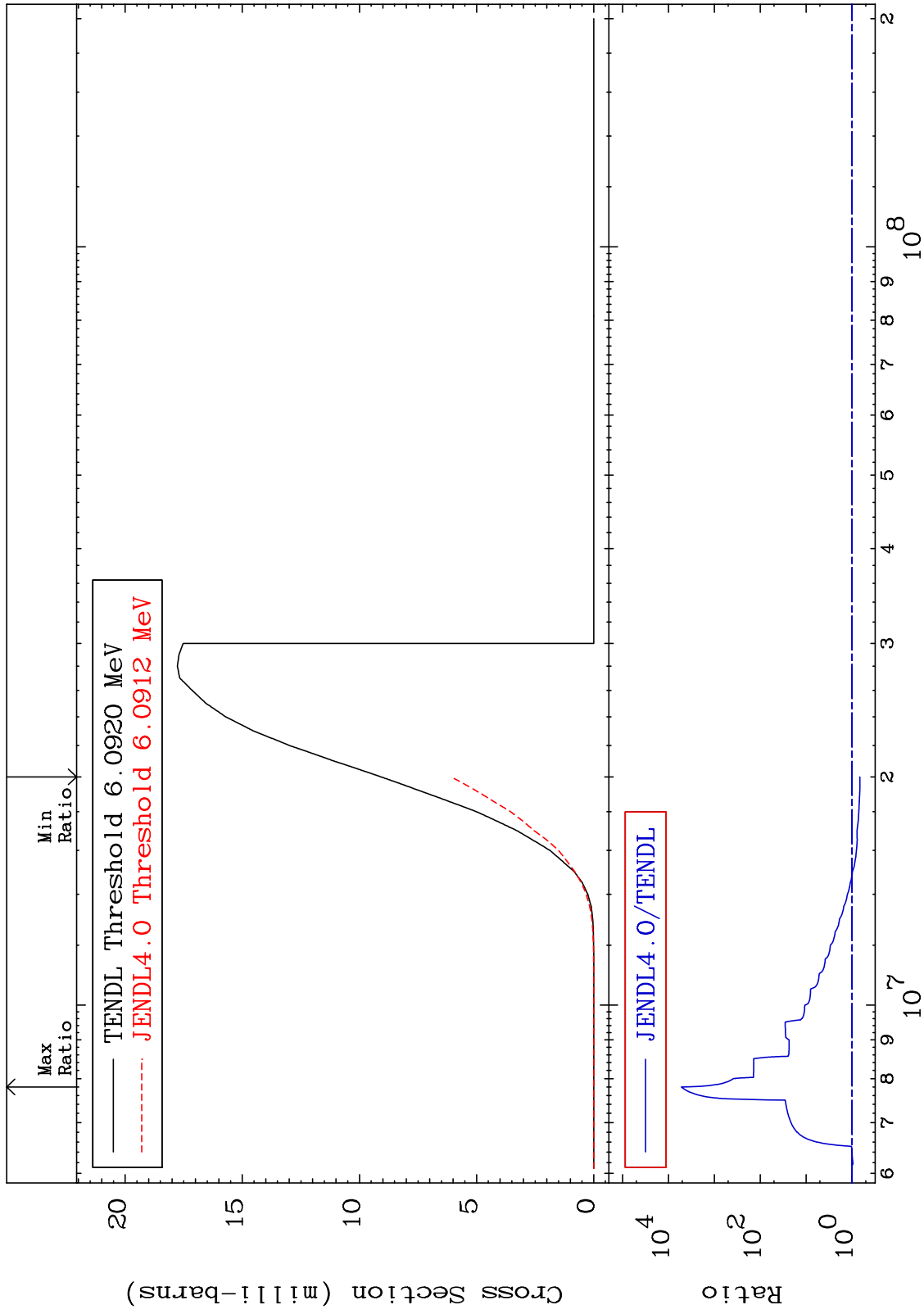
MAT 6243

(n, d)

62-Sm-150

Cross Section

-32.99 To 9999. %



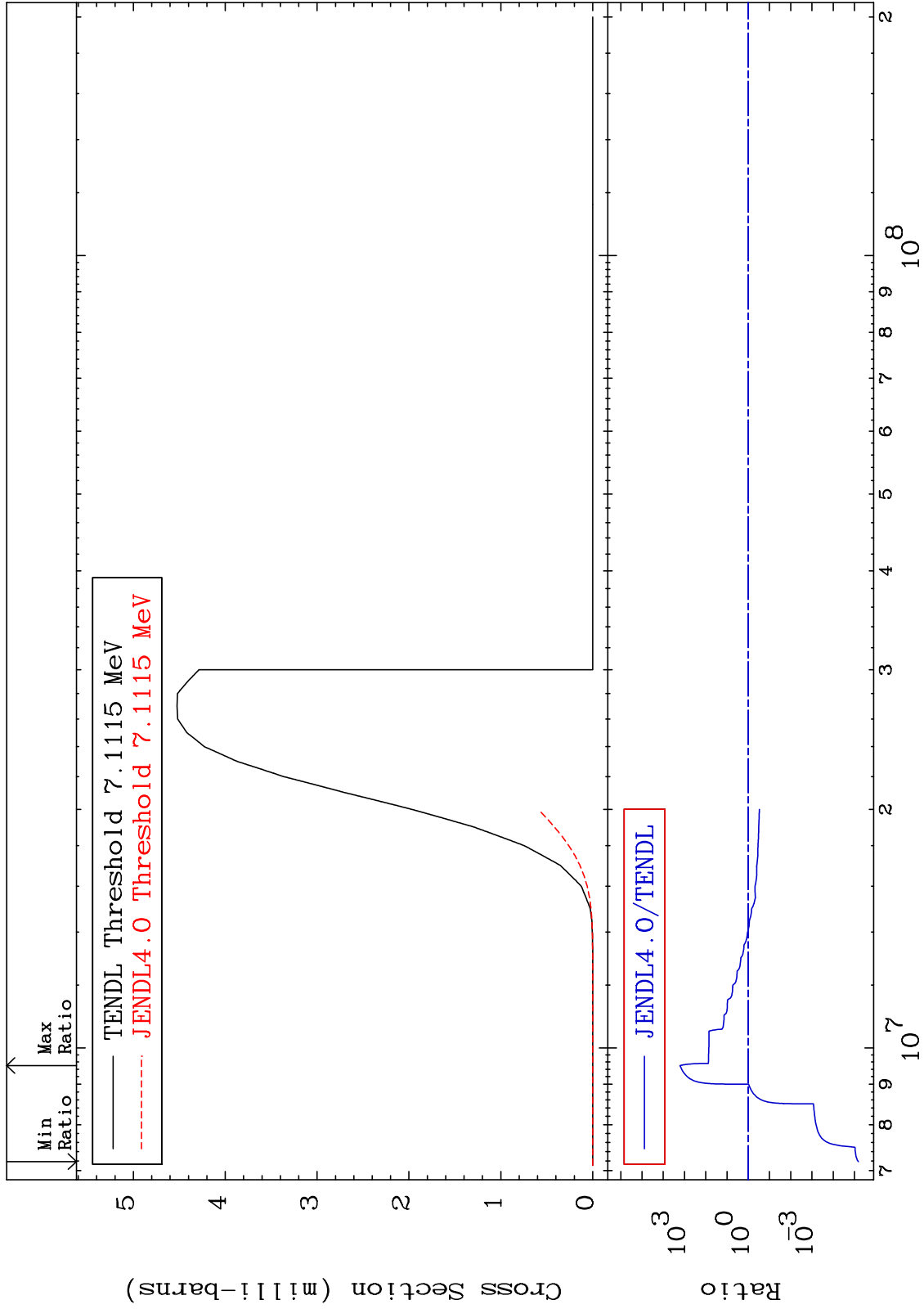
MAT 6243

(n, t)

62-Sm-150

Cross Section

-100.0 To 9999. %



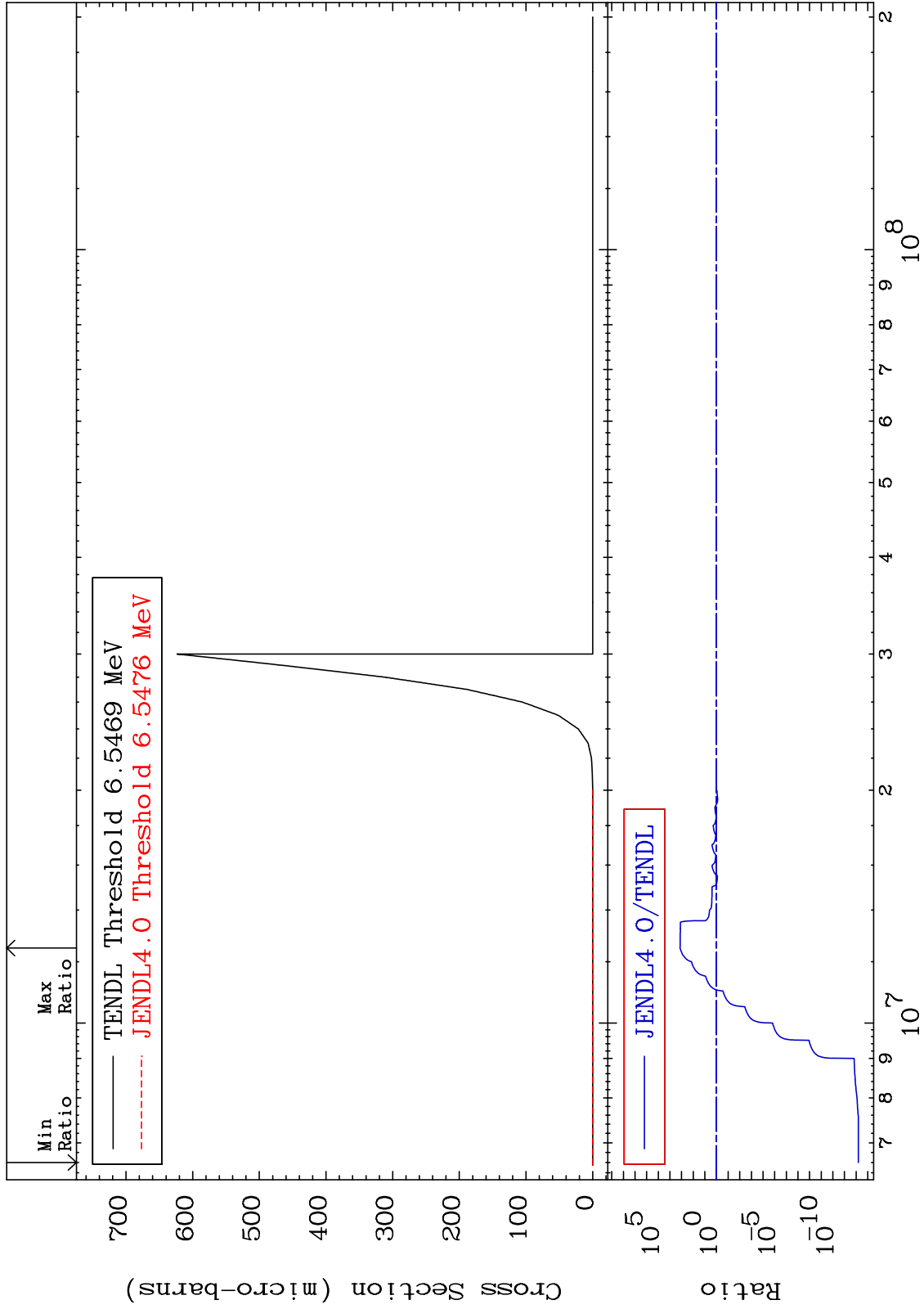
MAT 6243

(n, He-3)

62-Sm-150

Cross Section

-100.0 To 9999. %



46

Incident Energy (eV)

62-Sm-150

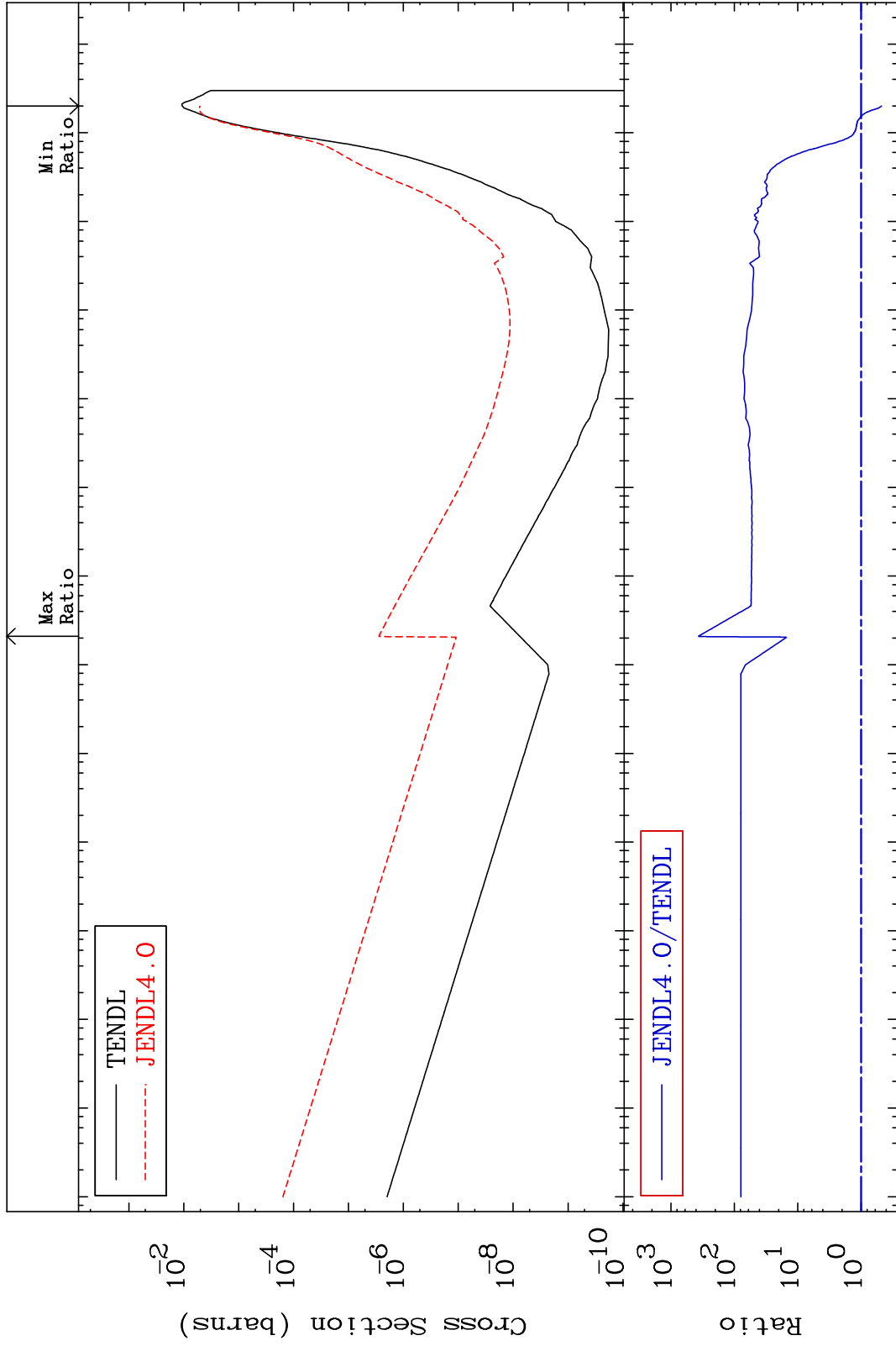
MAT 6243

(n,  $\alpha$ )

62-Sm-150

Cross Section

-52.46 To 9999. %



62-Sm-150

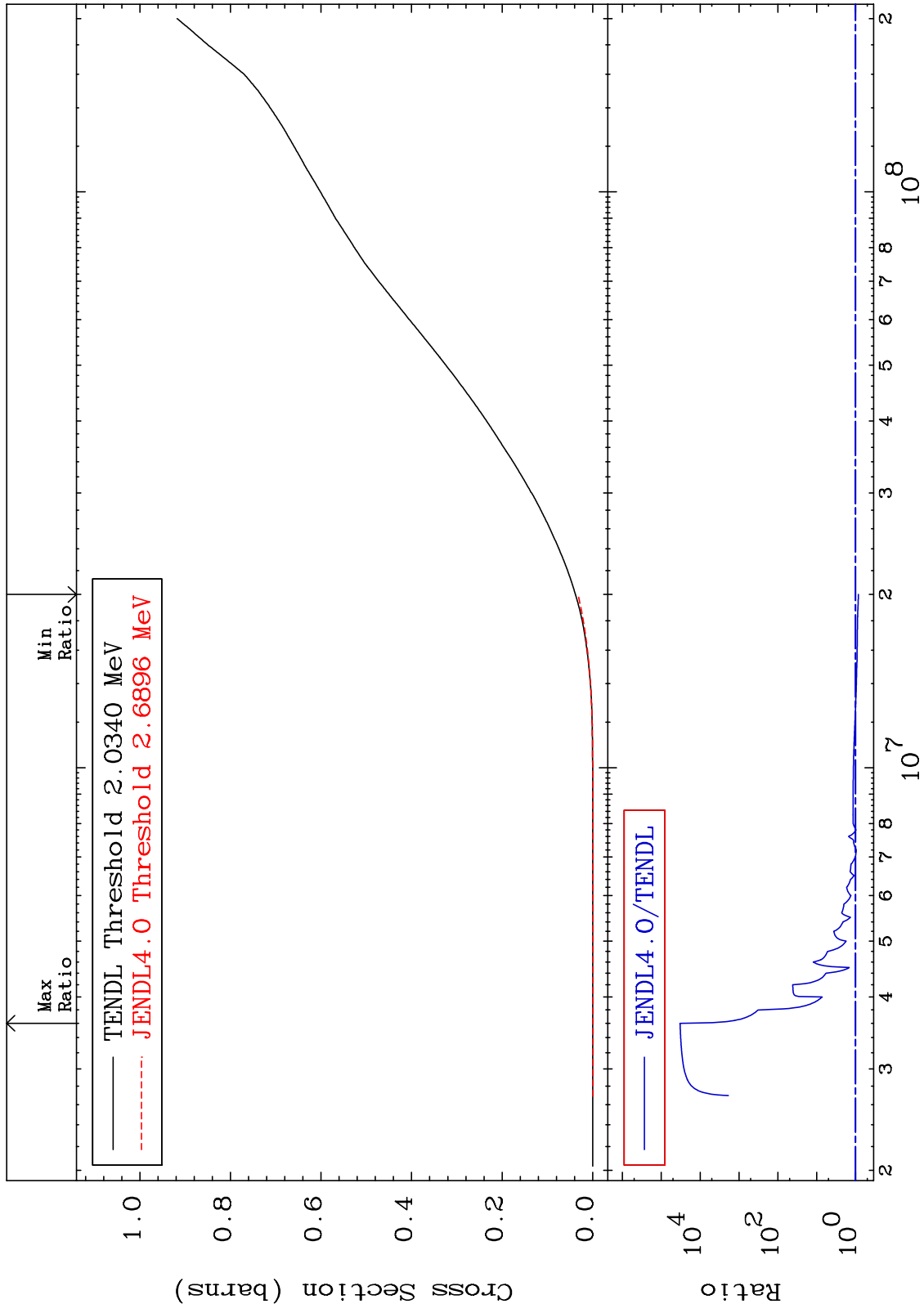
47



MAT 6243

Hydrogen Production  
Cross Section

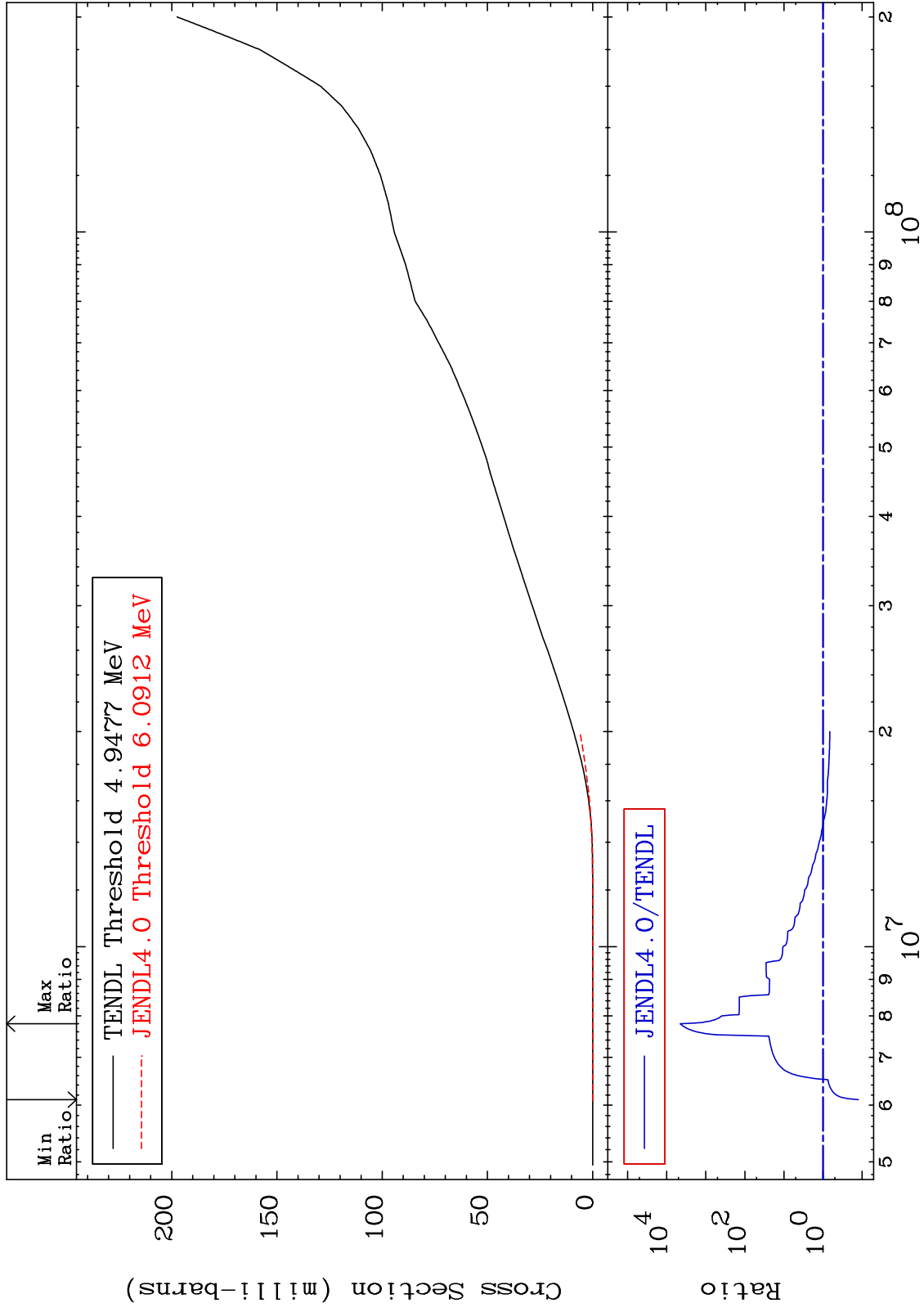
62-Sm-150  
-15.22 To 9999. %



MAT 6243

Deuterium Production  
Cross Section

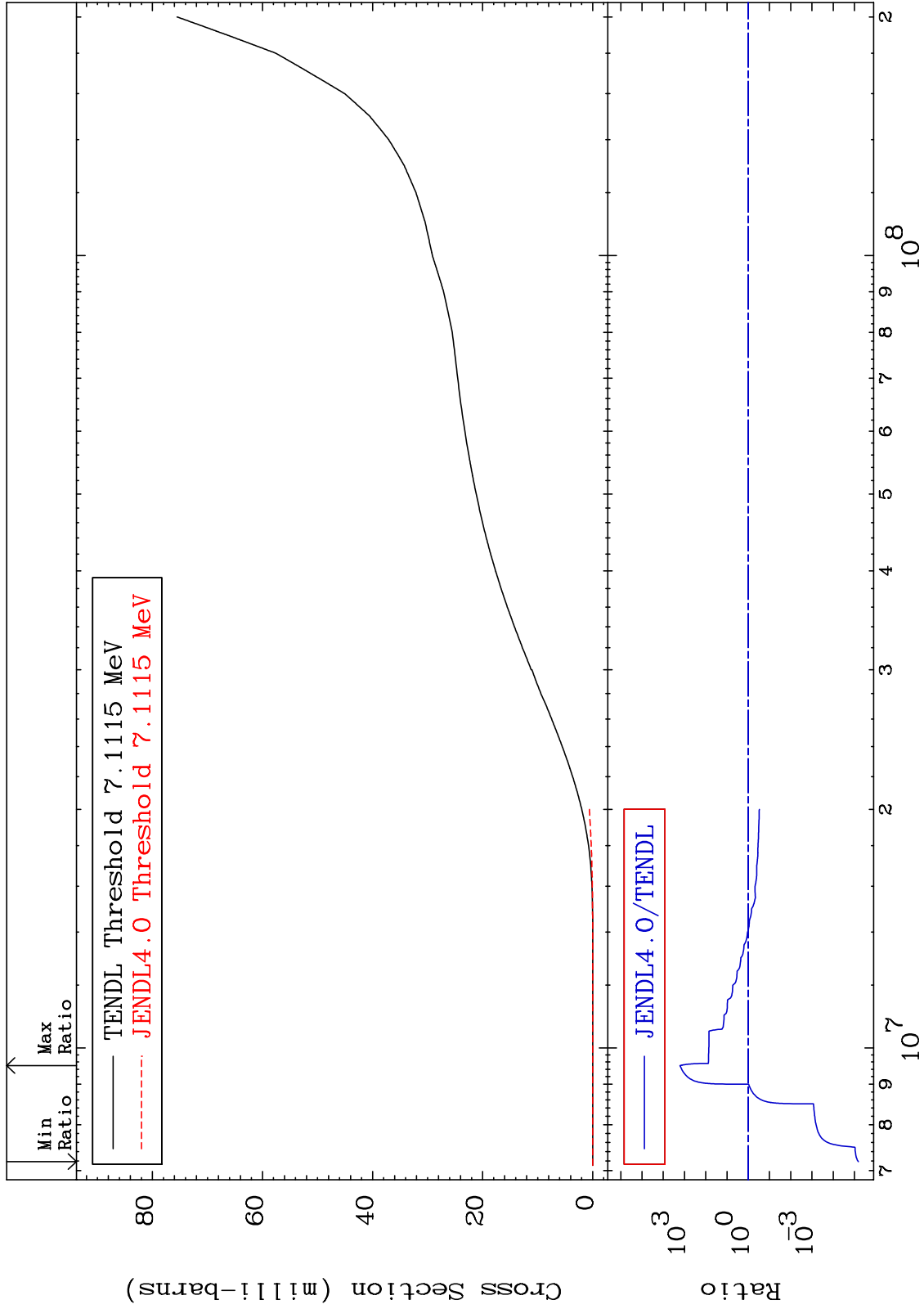
62-Sm-150  
-87.58 To 9999. %



MAT 6243

Tritium Production  
Cross Section

62-Sm-150  
-100.0 To 9999. %



50

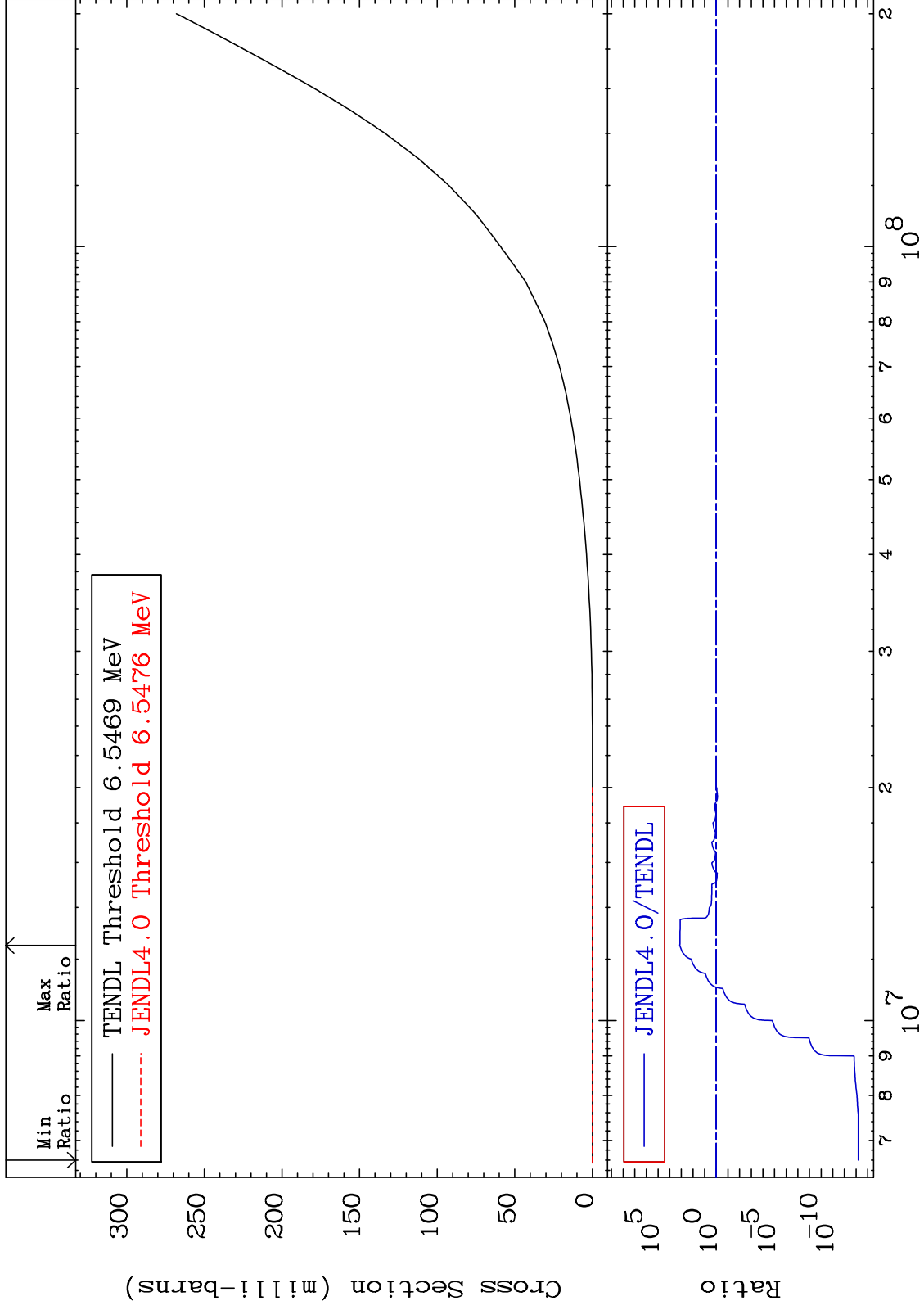
Incident Energy (eV)

62-Sm-150

MAT 6243

He-3 Production  
Cross Section

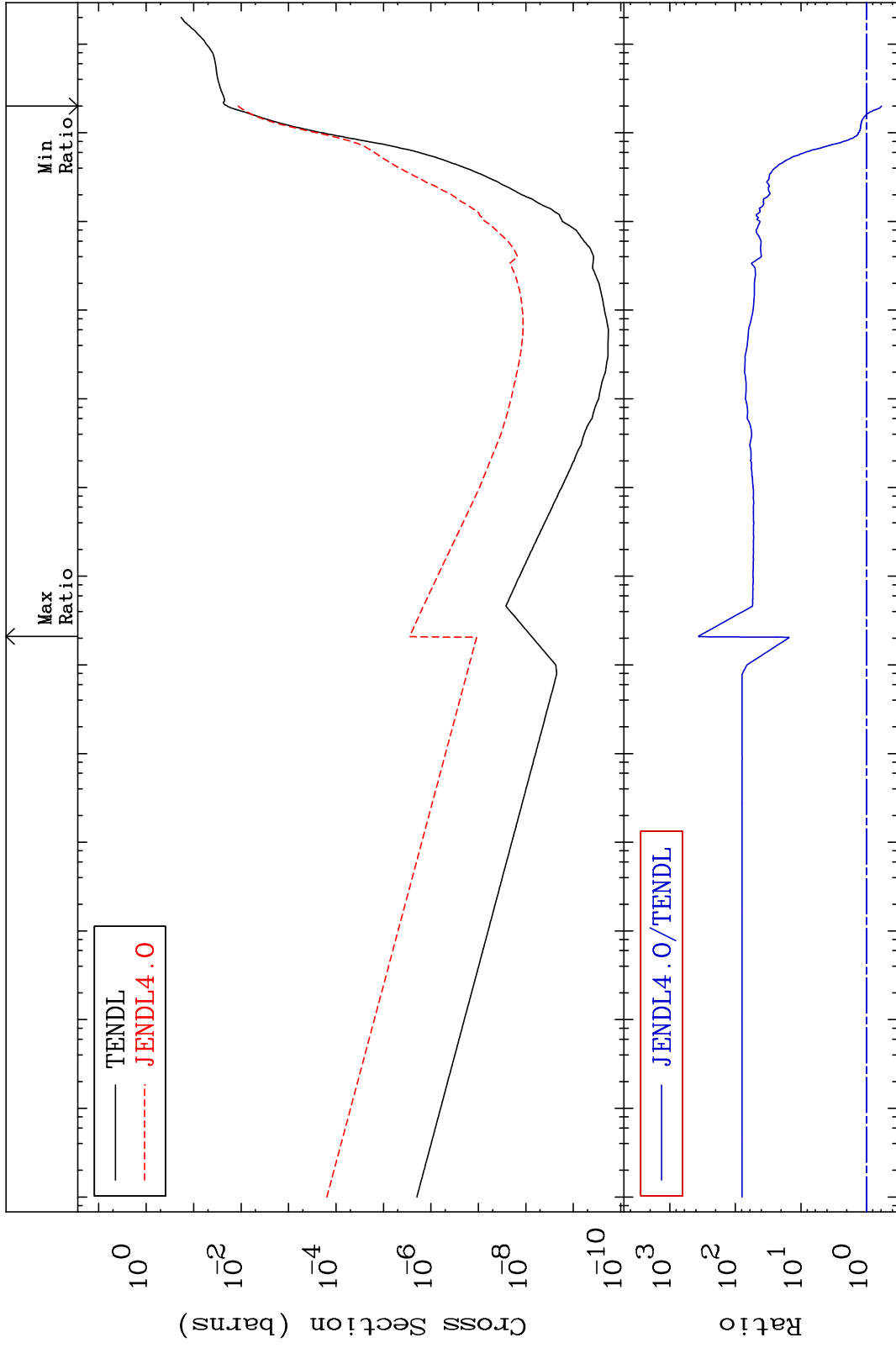
62-Sm-150  
-100.0 To 9999. %



MAT 6243

He-4 Production  
Cross Section

62-Sm-150  
-41.17 To 9999. %



52

Incident Energy (eV)

62-Sm-150

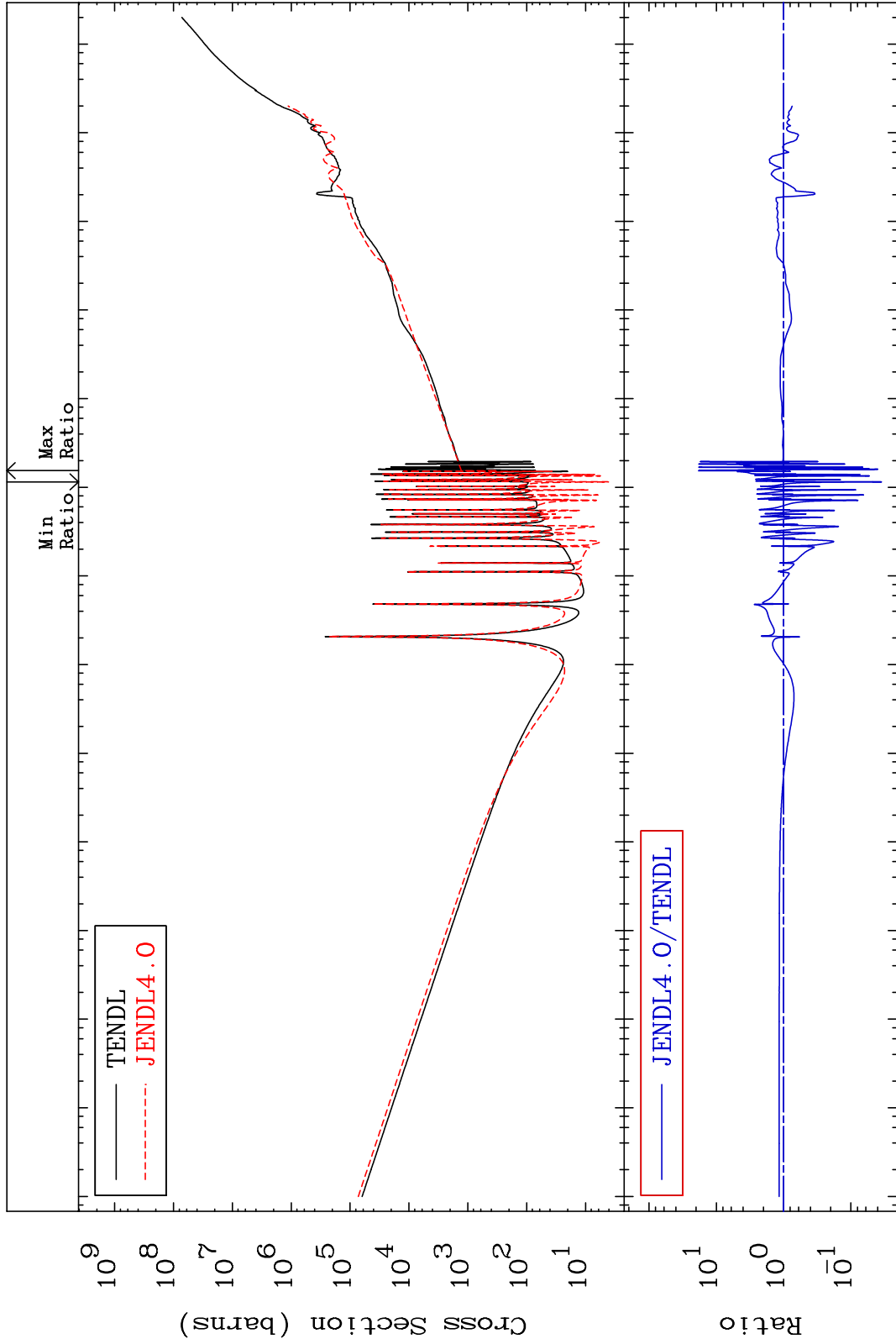
MAT 6243

Kerma total (eV-barns)

62-Sm-150

-96.50 To 1750. %

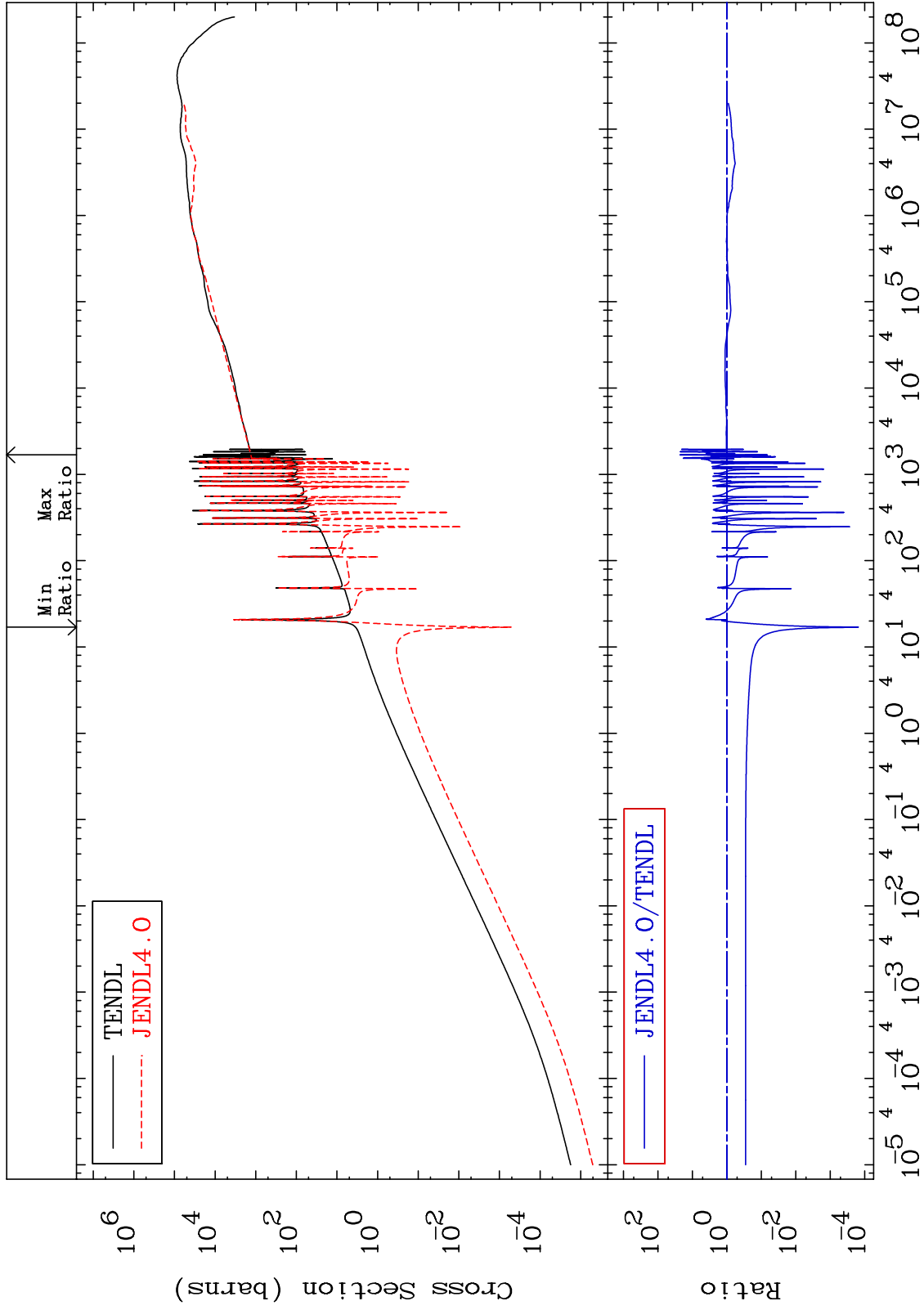
Cross Section



MAT 6243

Kerma elastic  
Cross Section

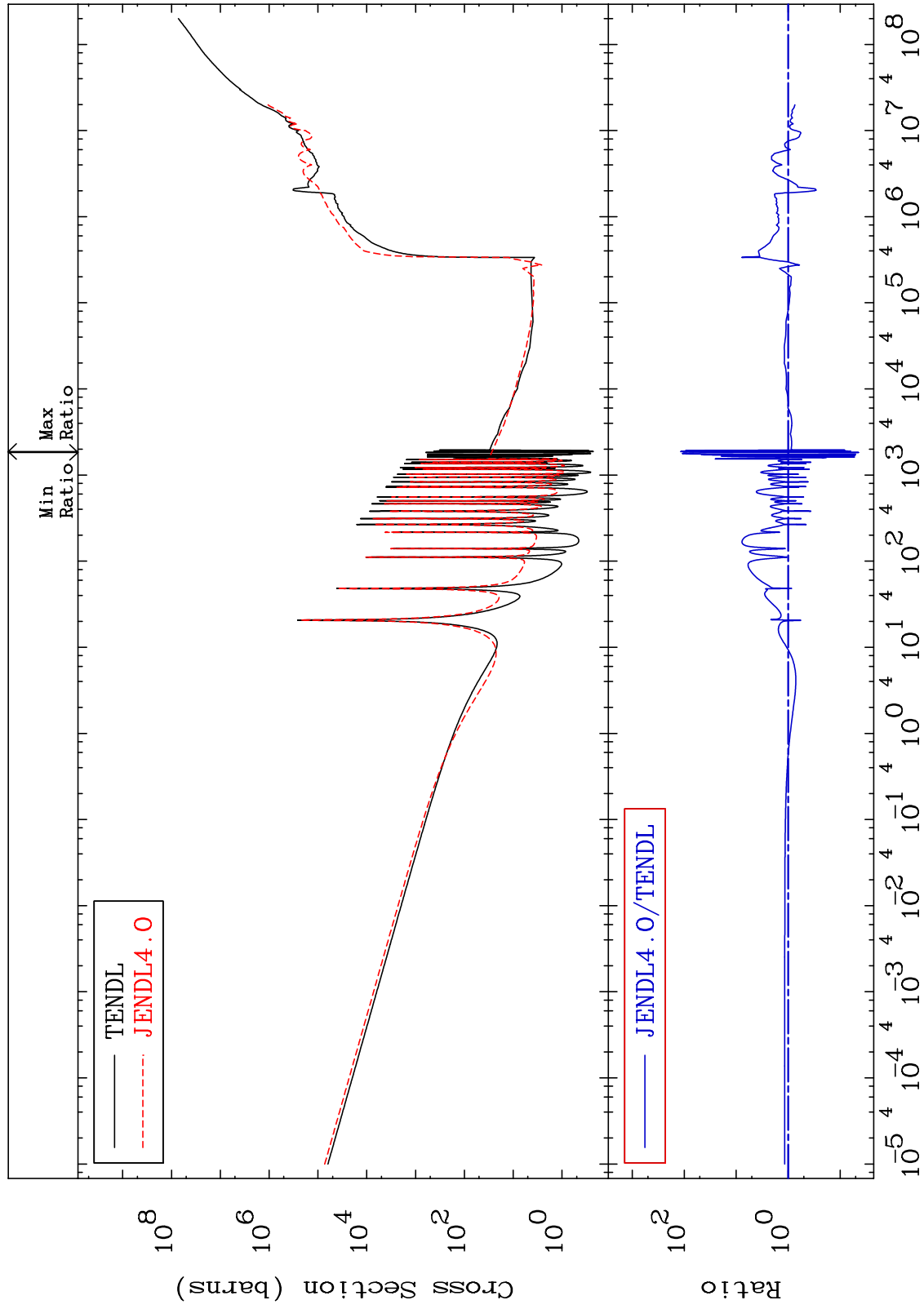
62-Sm-150  
-99.98 To 2171. %



MAT 6243

Kerma non-elastic (all but mt2)  
Cross Section

62-Sm-150  
-95.58 To 9999. %



55

Incident Energy (eV)

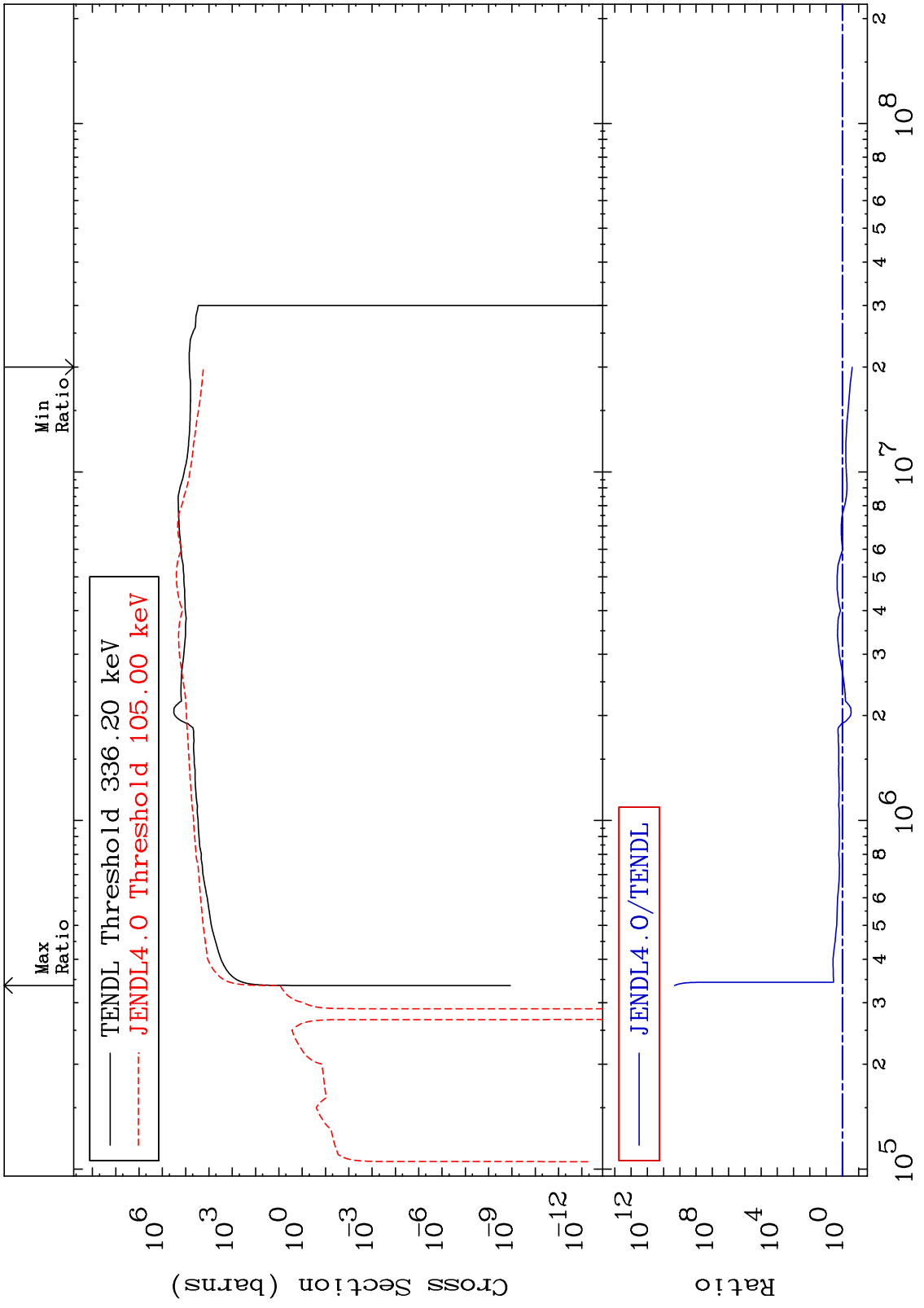
62-Sm-150



MAT 6243

Kerma inelastic (mt51-91)  
Cross Section

62-Sm-150  
-75.34 To 9999. %



56

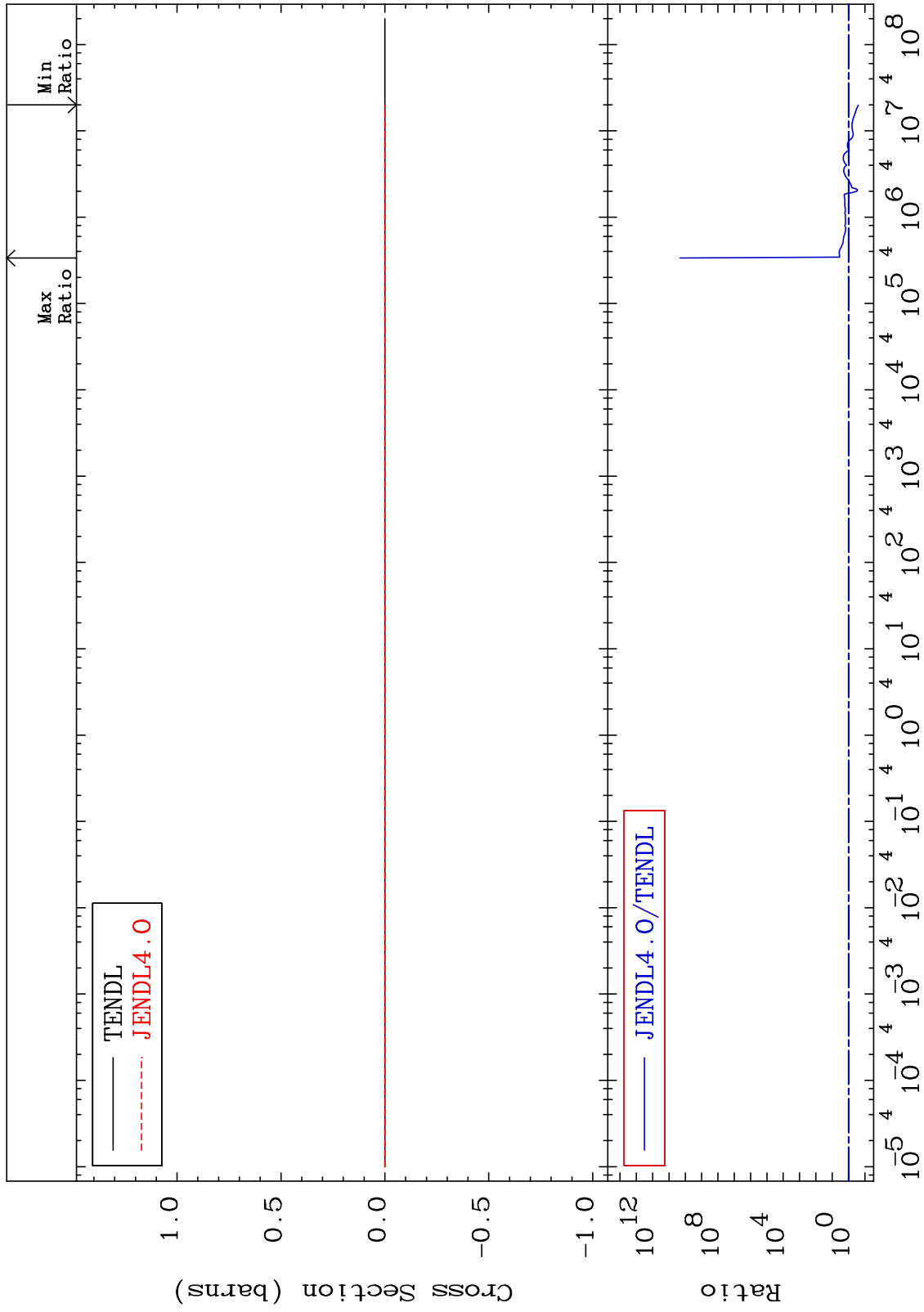
62-Sm-150

62-Sm-150

MAT 6243

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

62-Sm-150  
-75.34 To 9999. %



57

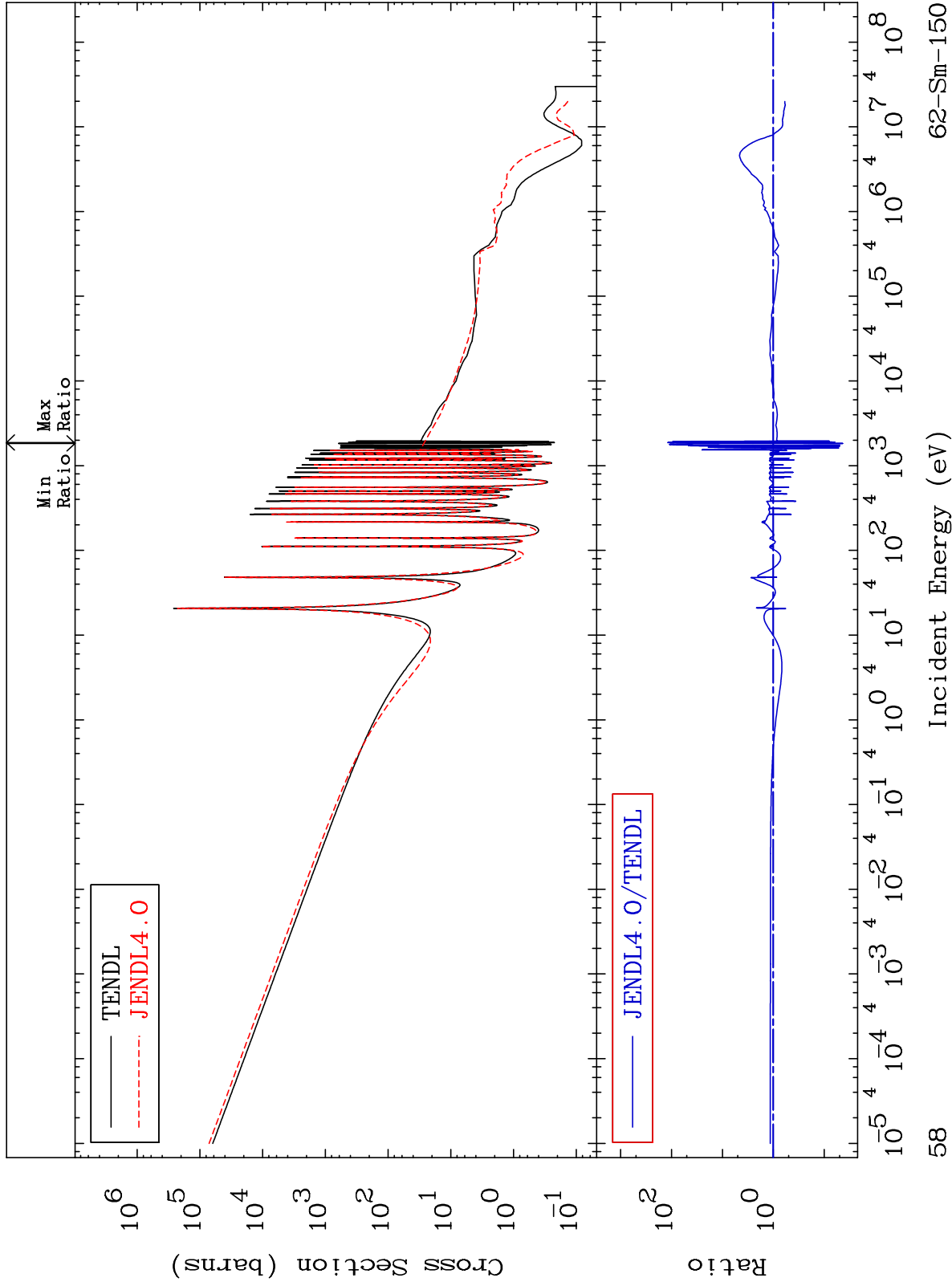
Incident Energy (eV)

62-Sm-150

MAT 6243

Kerma capture (mt102)  
Cross Section

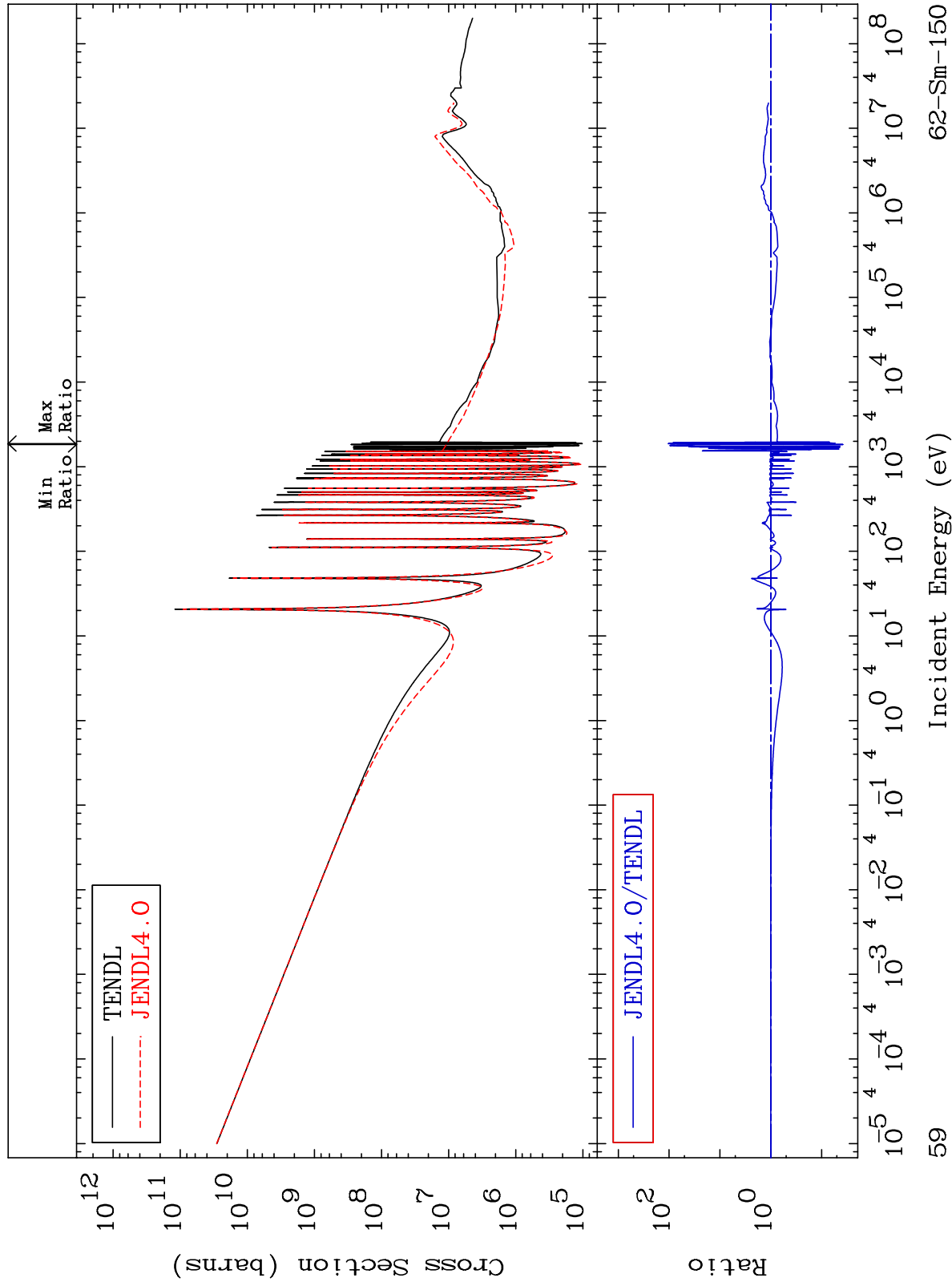
62-Sm-150  
-95.65 To 9999. %



MAT 6243

Total photon (eV-barns)  
Cross Section

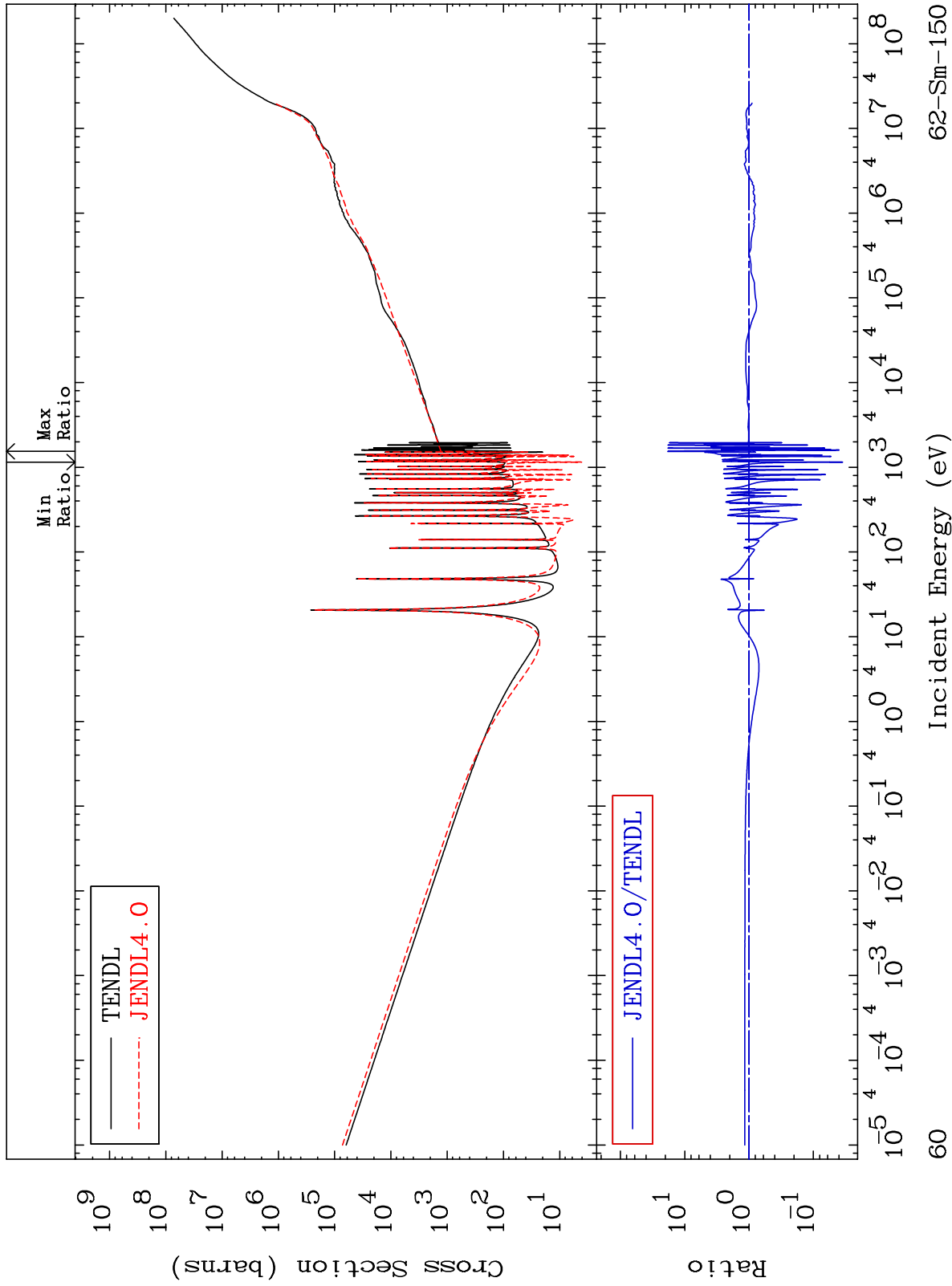
62-Sm-150  
-96.18 To 9999. %



MAT 6243

Total kinematic kerma (high limit)  
Cross Section

62-Sm-150  
-96.50 To 1750. %



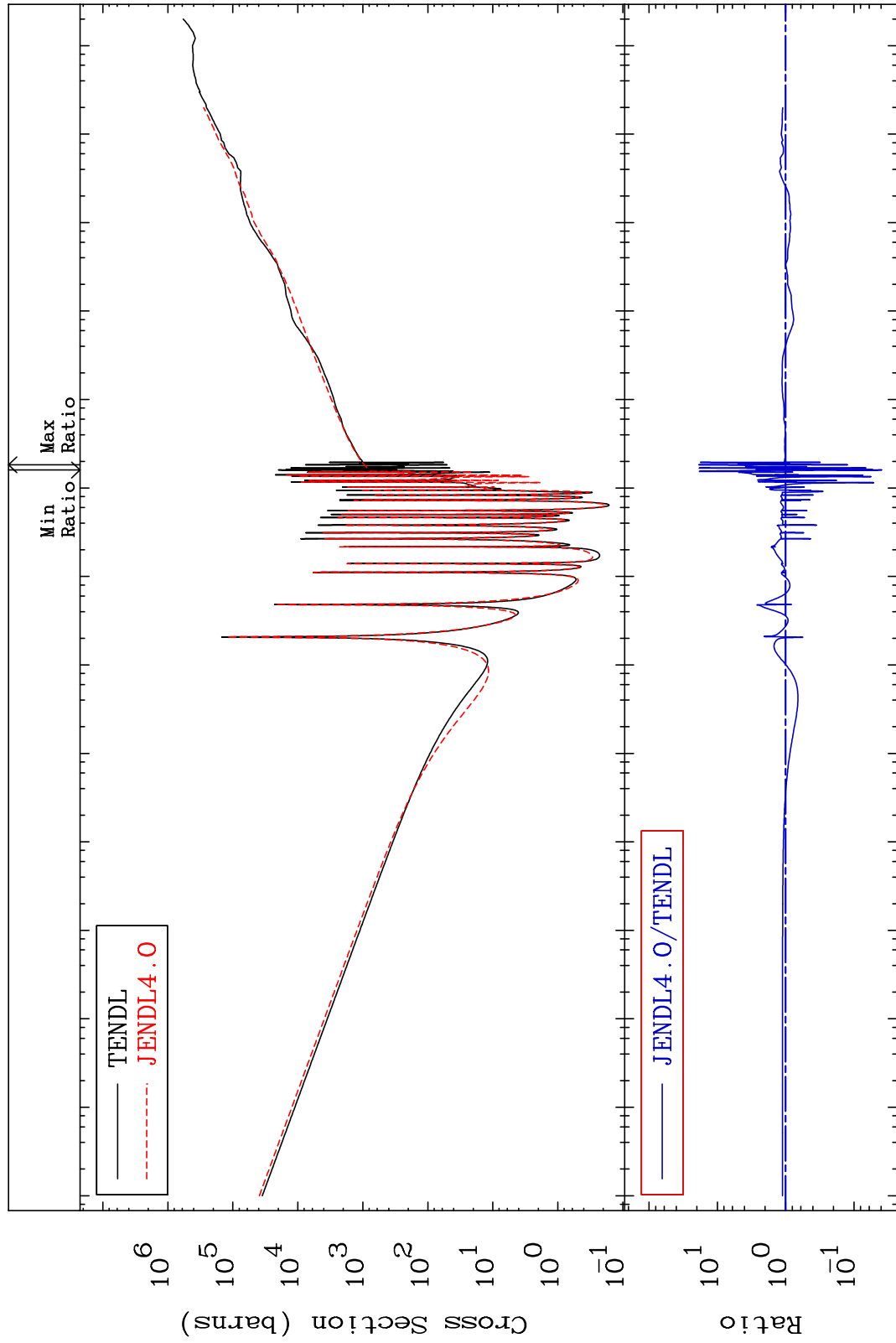
60

62-Sm-150

MAT 6243

Dpa total (eV-barns)  
Cross Section

62-Sm-150  
-96.06 To 1772. %



61

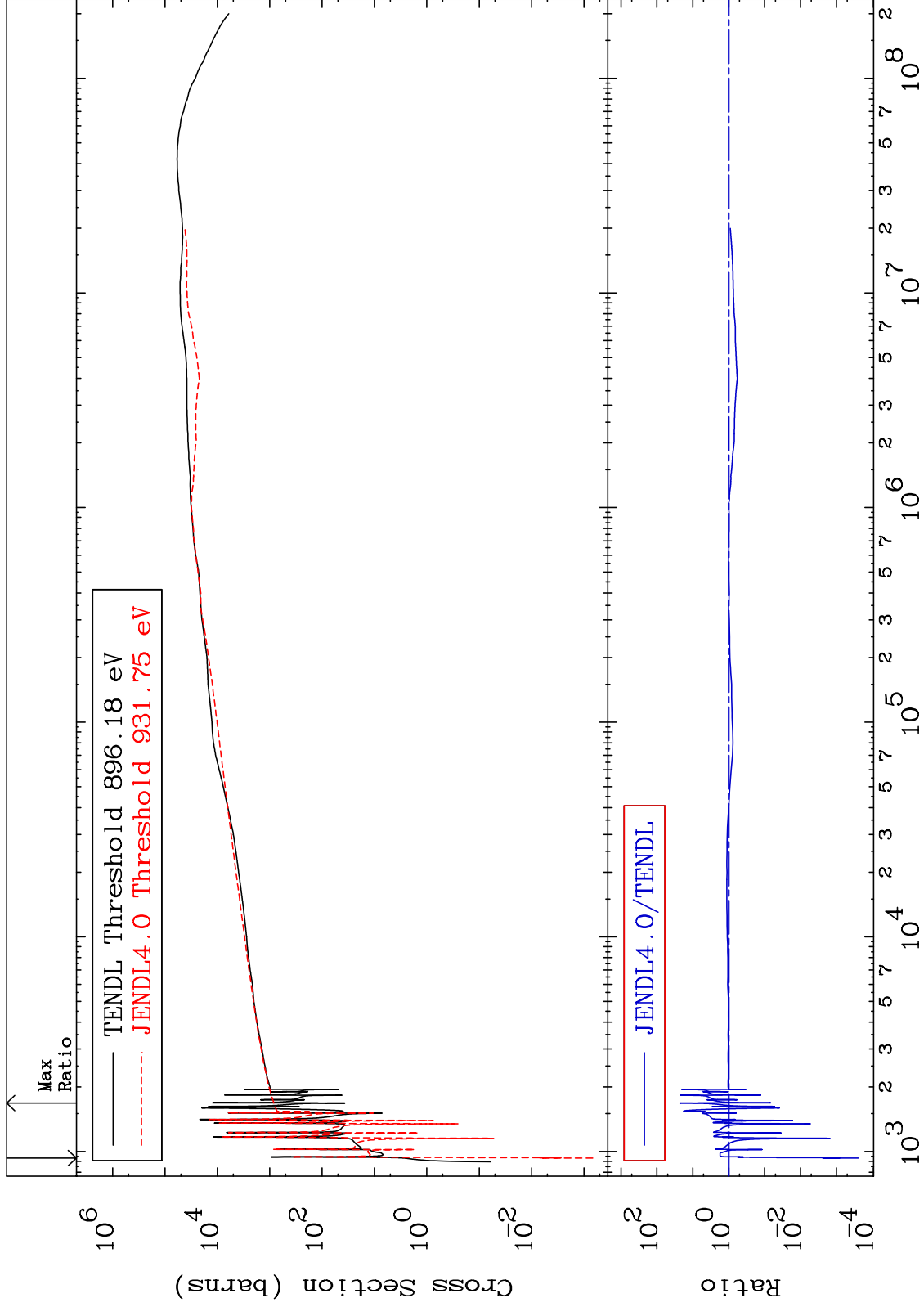
Incident Energy (eV)

62-Sm-150

MAT 6243

Dpa elastic (mt2)  
Cross Section

62-Sm-150  
-99.98 To 2170. %



62

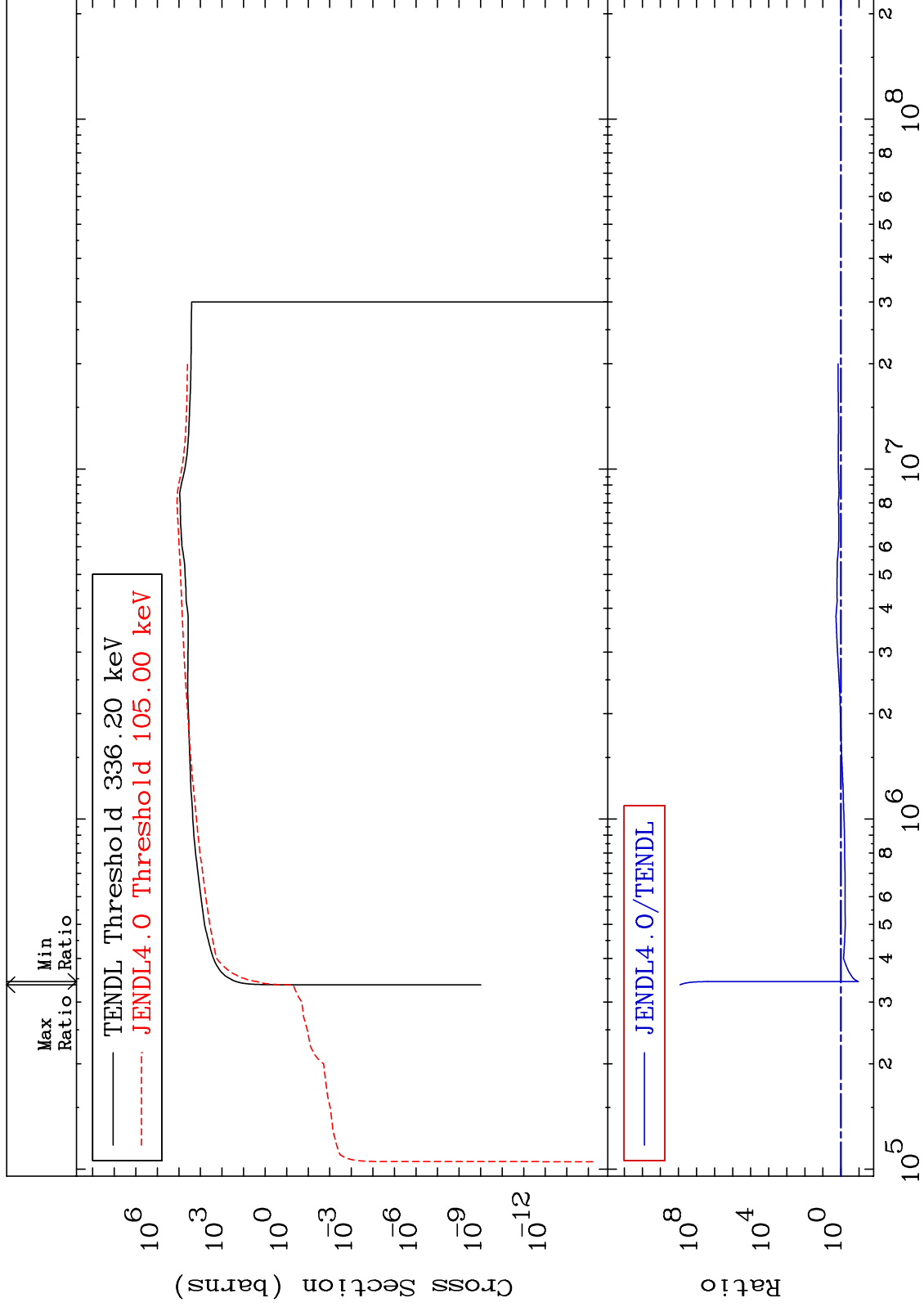
Incident Energy (eV)

62-Sm-150

MAT 6243

Dpa inelastic (mt51-91)  
Cross Section

62-Sm-150  
-89.19 To 9999. %



63

Incident Energy (eV)

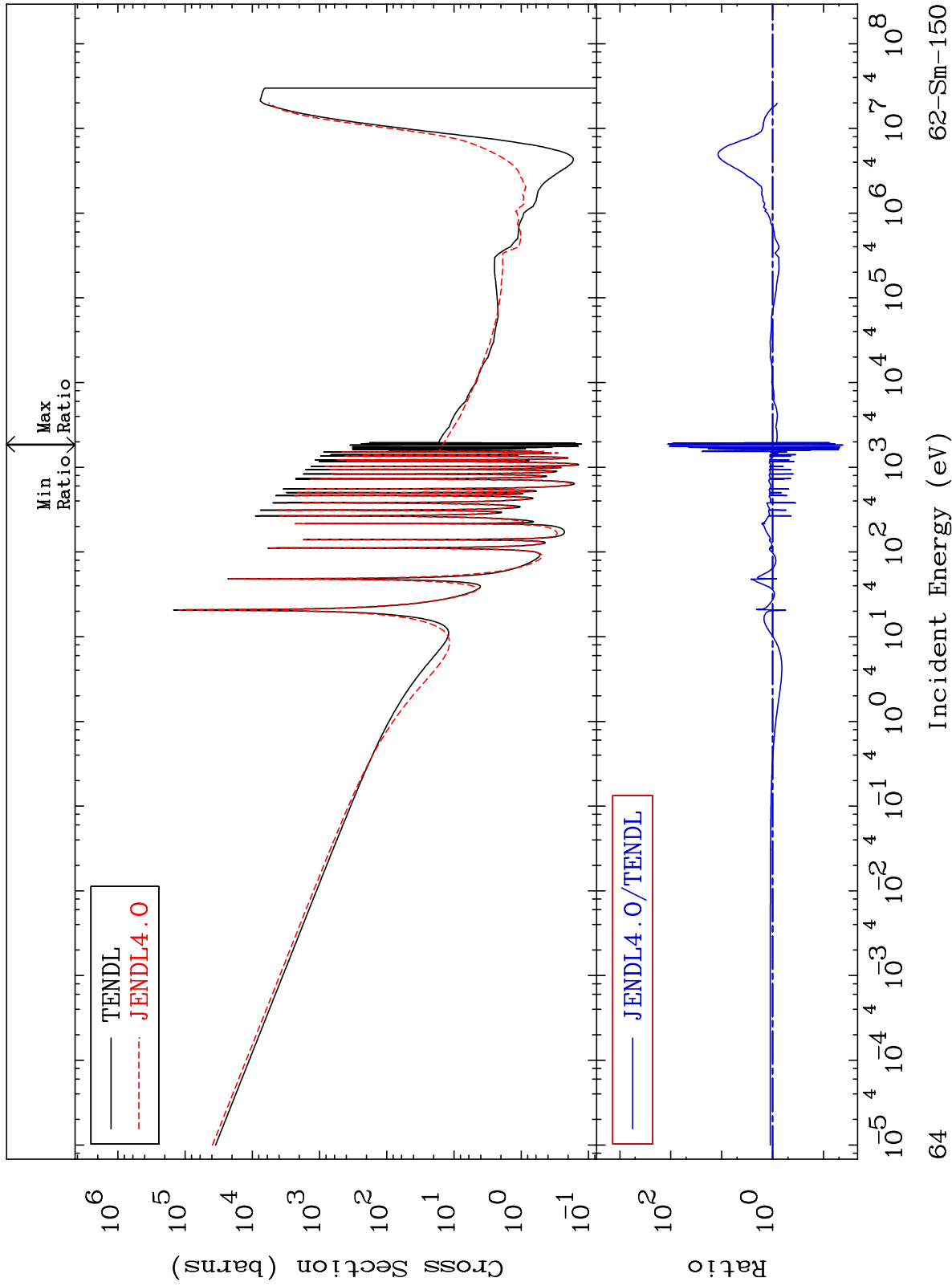
62-Sm-150



MAT 6243

Dpa disappearance (mt102 -120)  
Cross Section

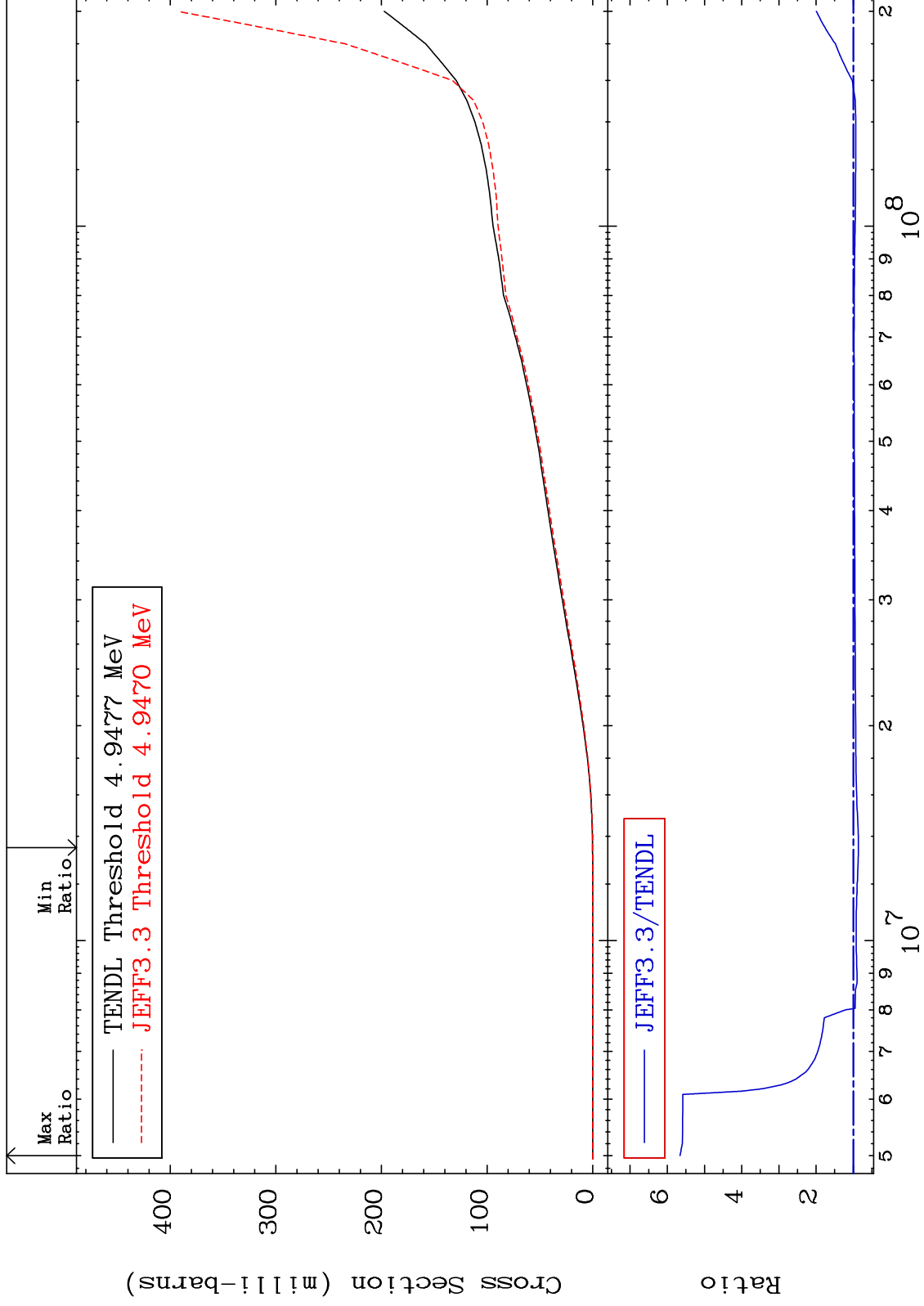
62-Sm-150  
-95.78 To 9999. %



MAT 6243

Deuterium Production  
Cross Section

62-Sm-150  
-13.80 To 465.8 %



65

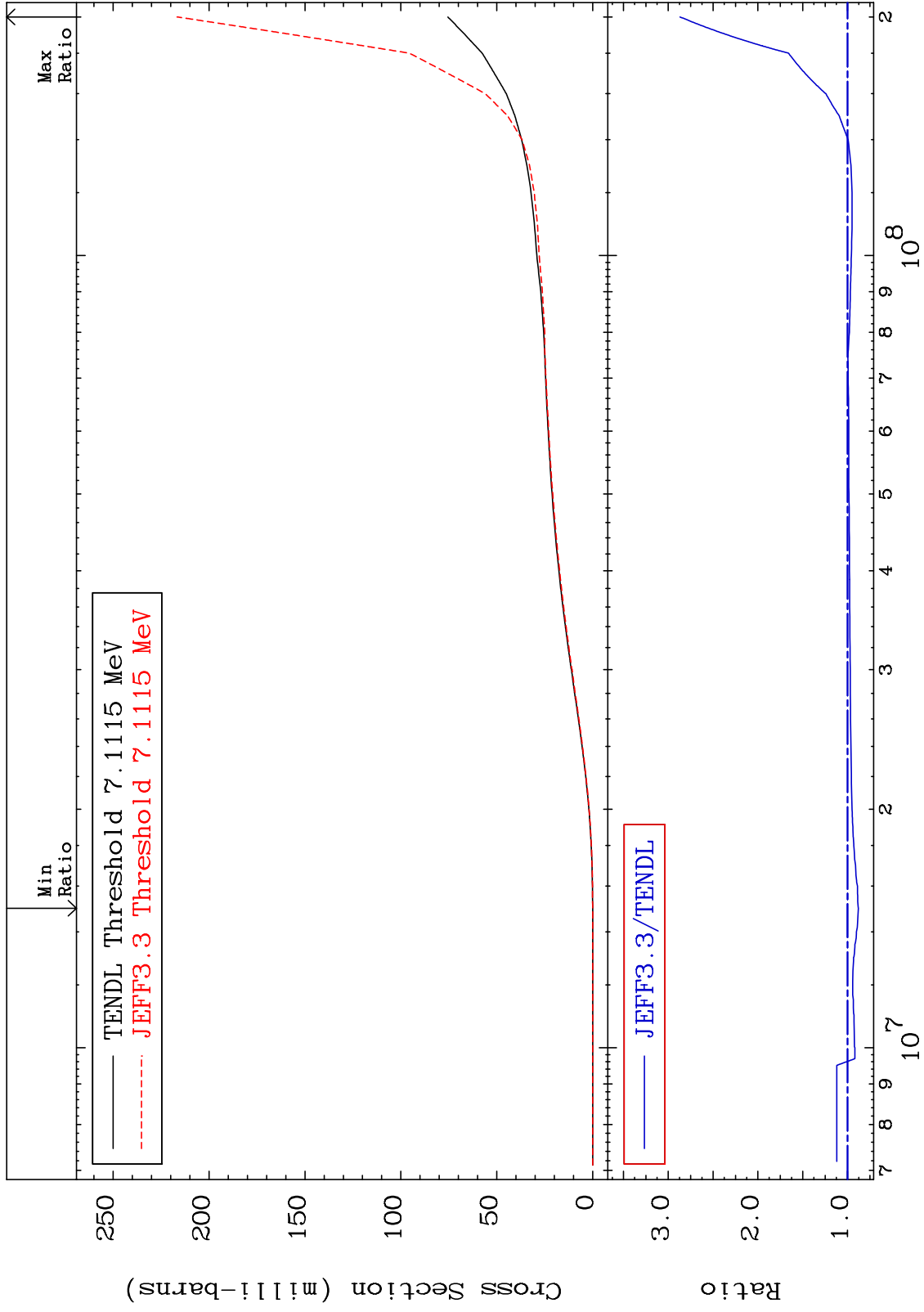
Incident Energy (eV)

62-Sm-150

MAT 6243

Tritium Production  
Cross Section

62-Sm-150  
-12.10 To 186.9 %



66

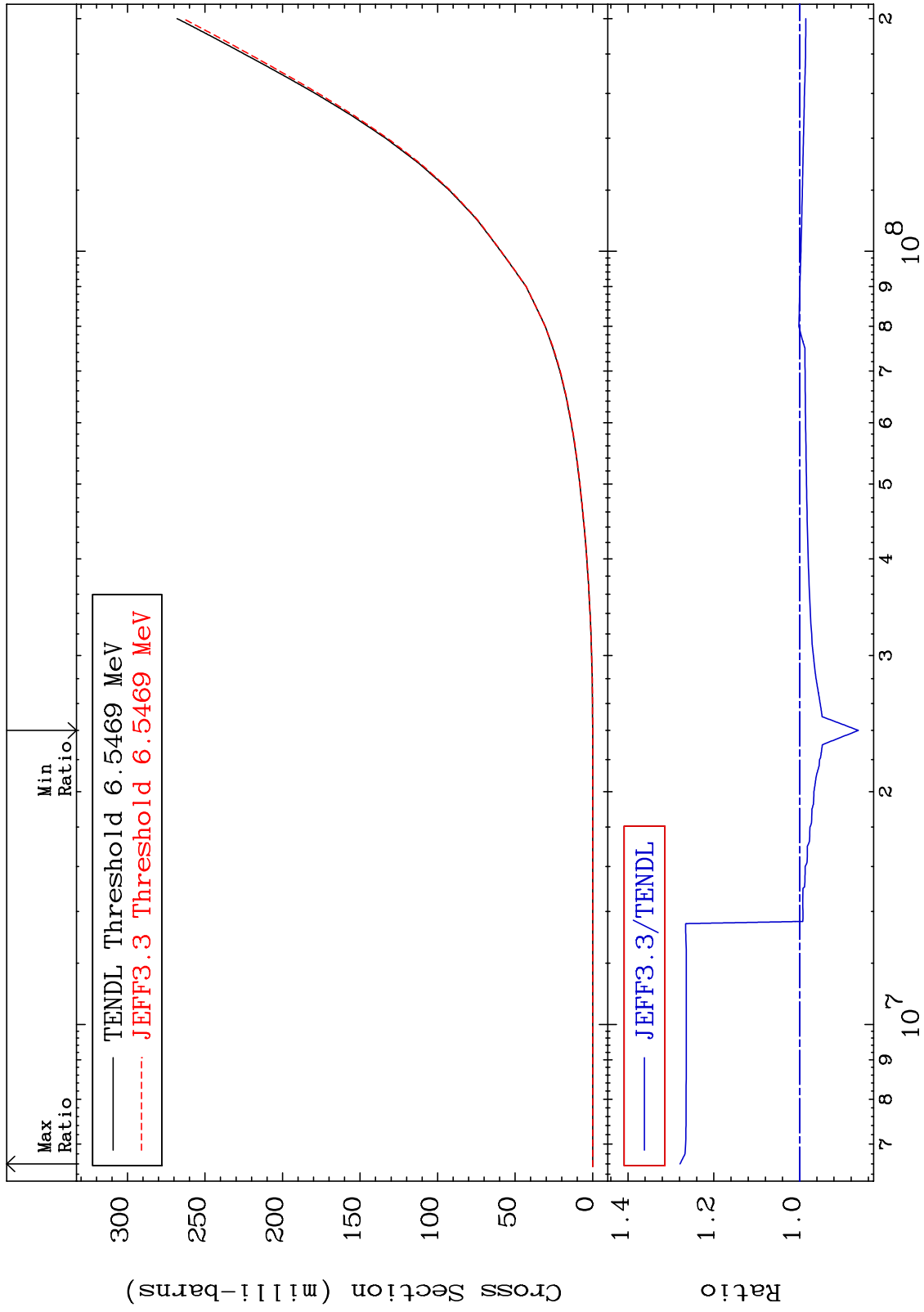
Incident Energy (eV)

62-Sm-150

MAT 6243

He-3 Production  
Cross Section

62-Sm-150  
-13.68 To 27.88 %



67

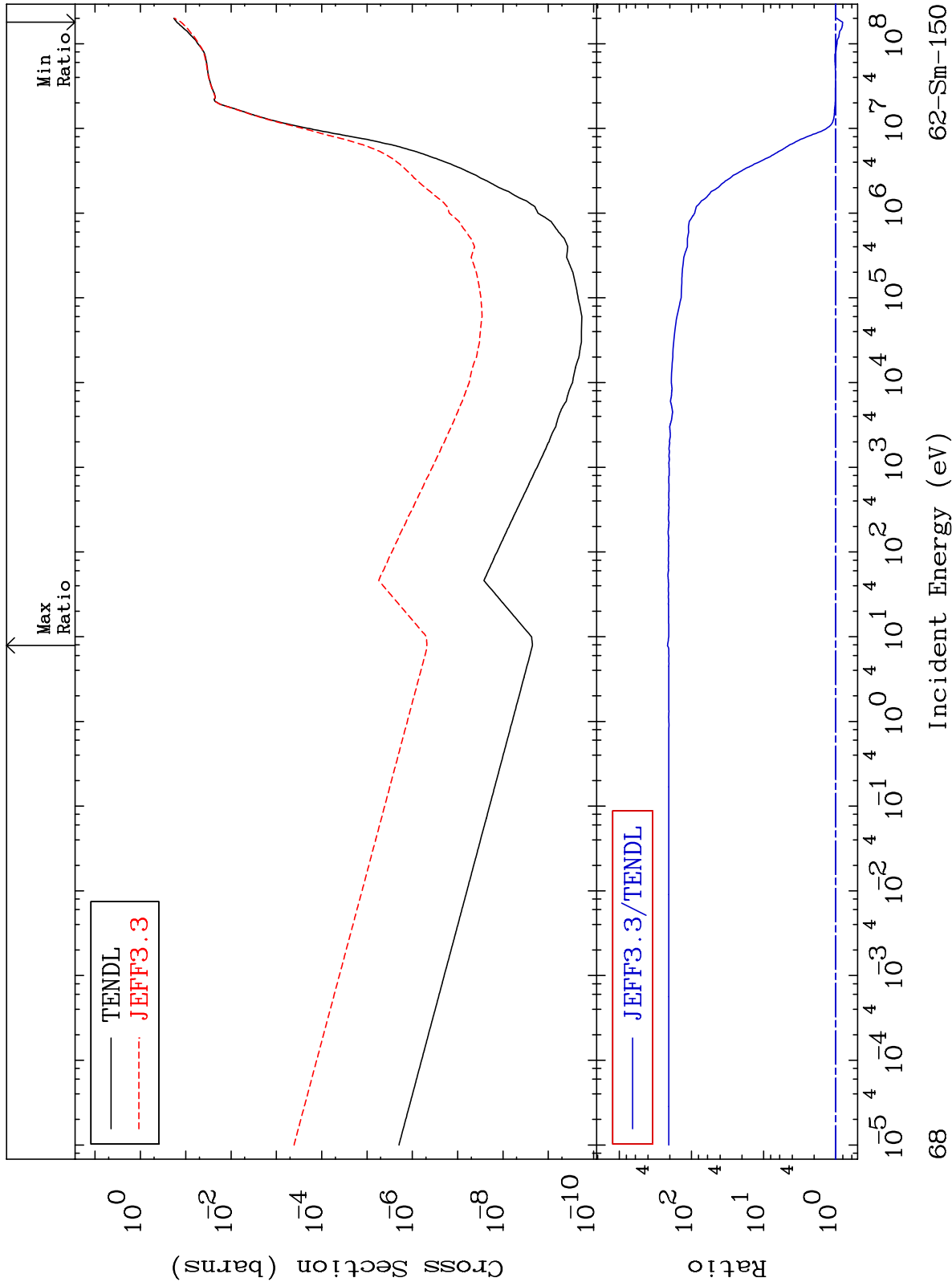
Incident Energy (eV)

62-Sm-150

MAT 6243

He-4 Production  
Cross Section

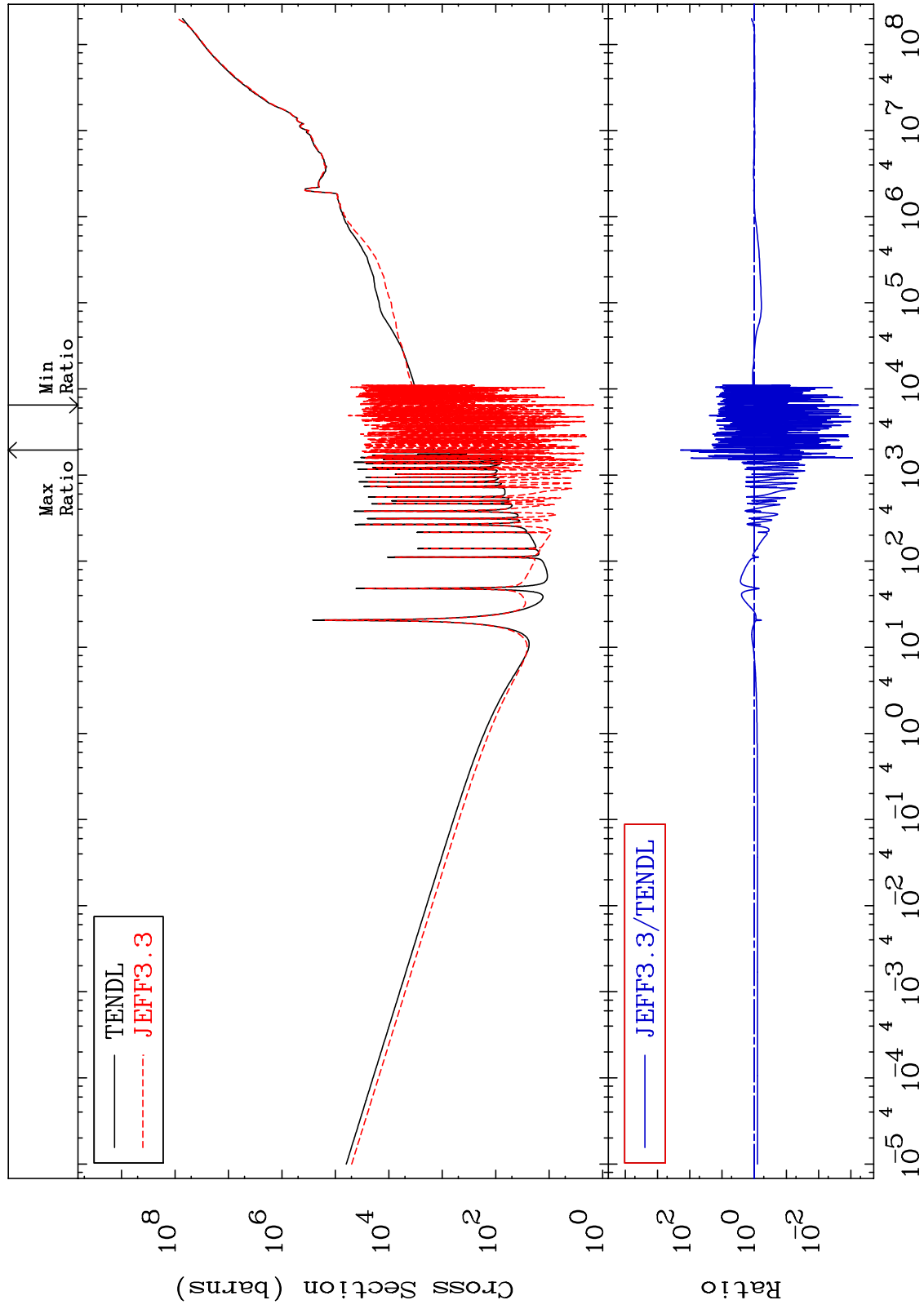
62-Sm-150  
-19.80 To 9999. %



MAT 6243

Kerma total (eV-barns)  
Cross Section

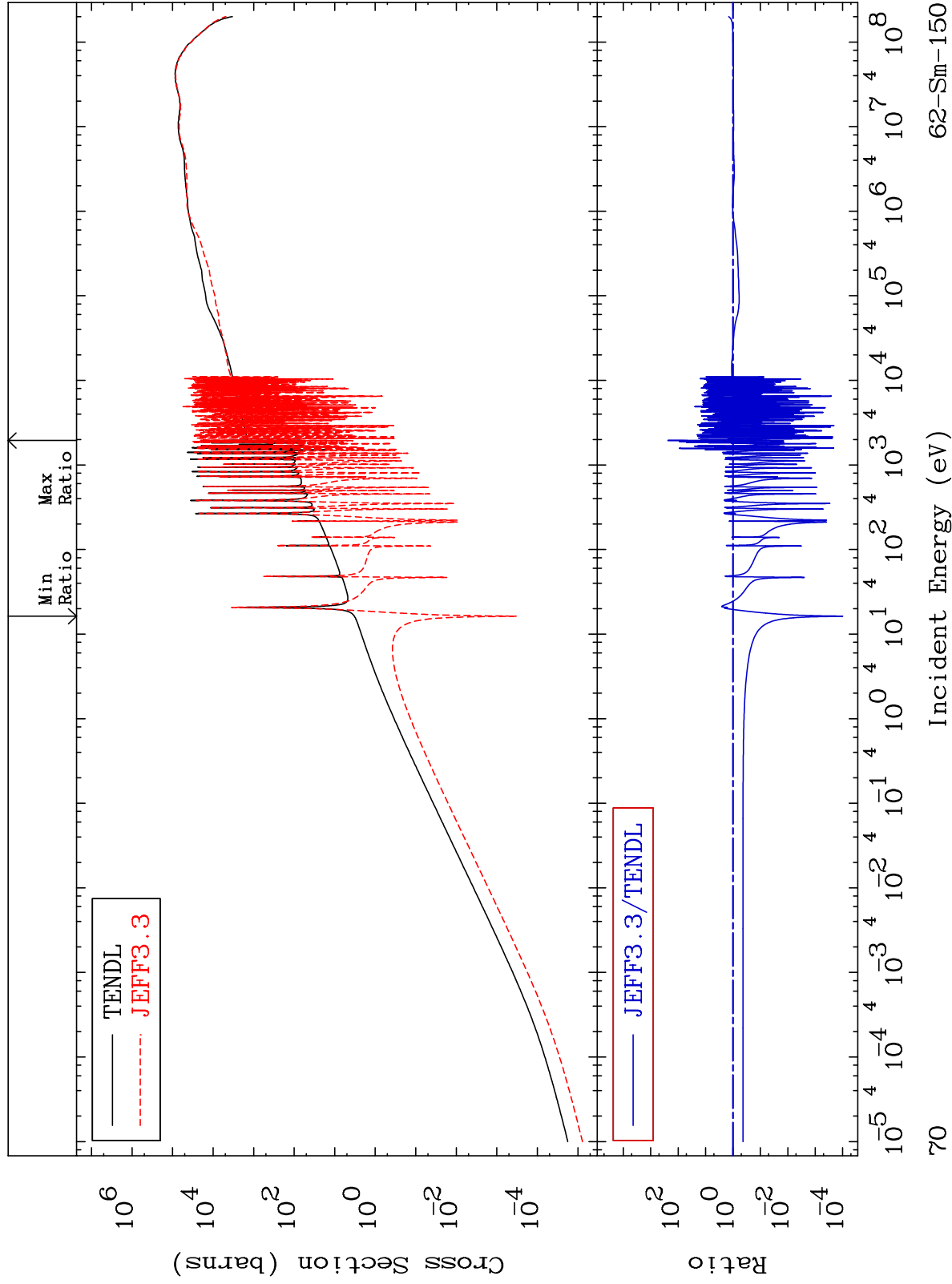
62-Sm-150  
-99.94 To 9999. %



MAT 6243

Kerma elastic  
Cross Section

62-Sm-150  
-99.99 To 9999. %



70

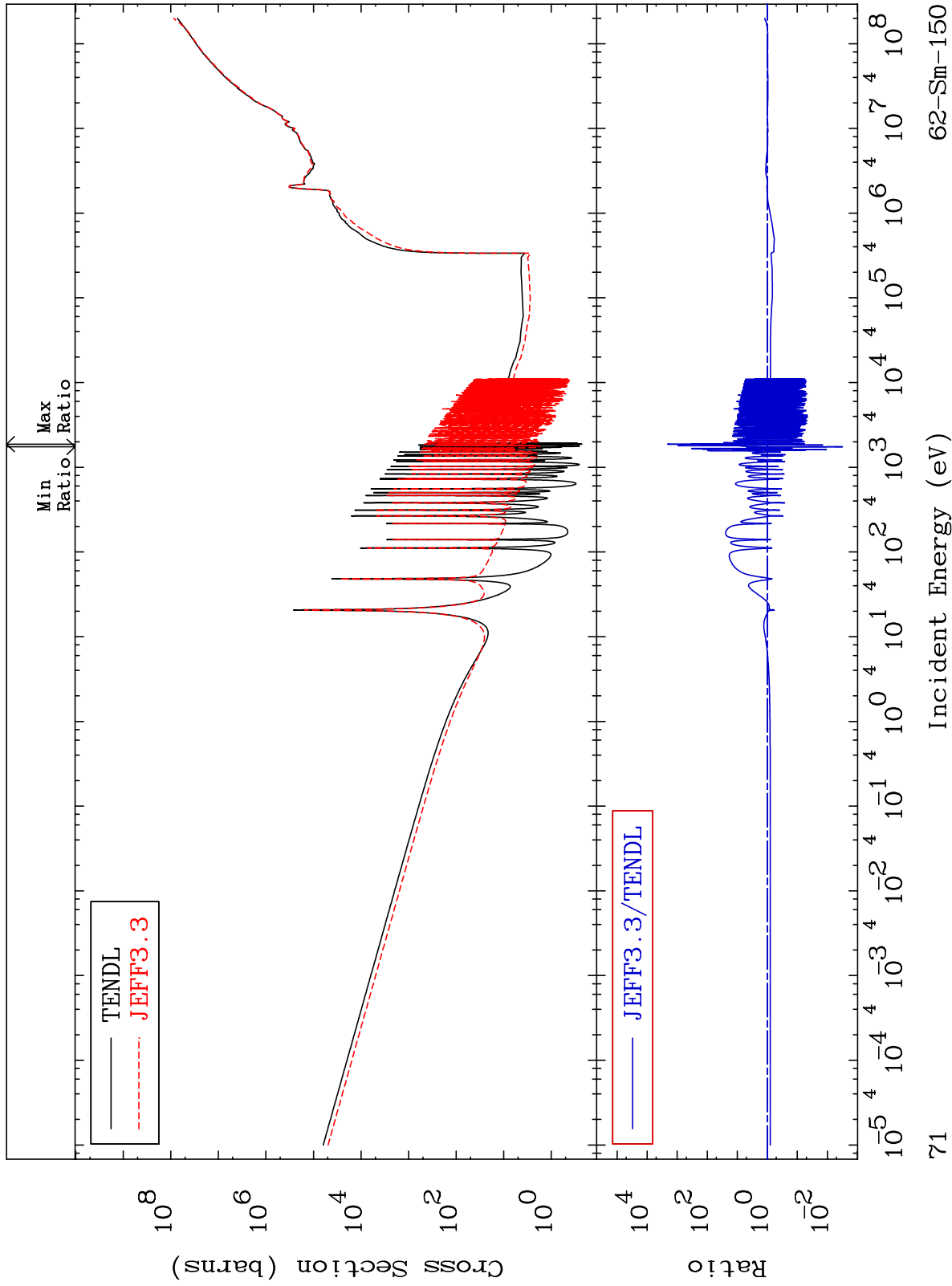
Incident Energy (eV)

62-Sm-150

MAT 6243

Kerma non-elastic (all but mt2)  
Cross Section

62-Sm-150  
-99.69 To 9999. %

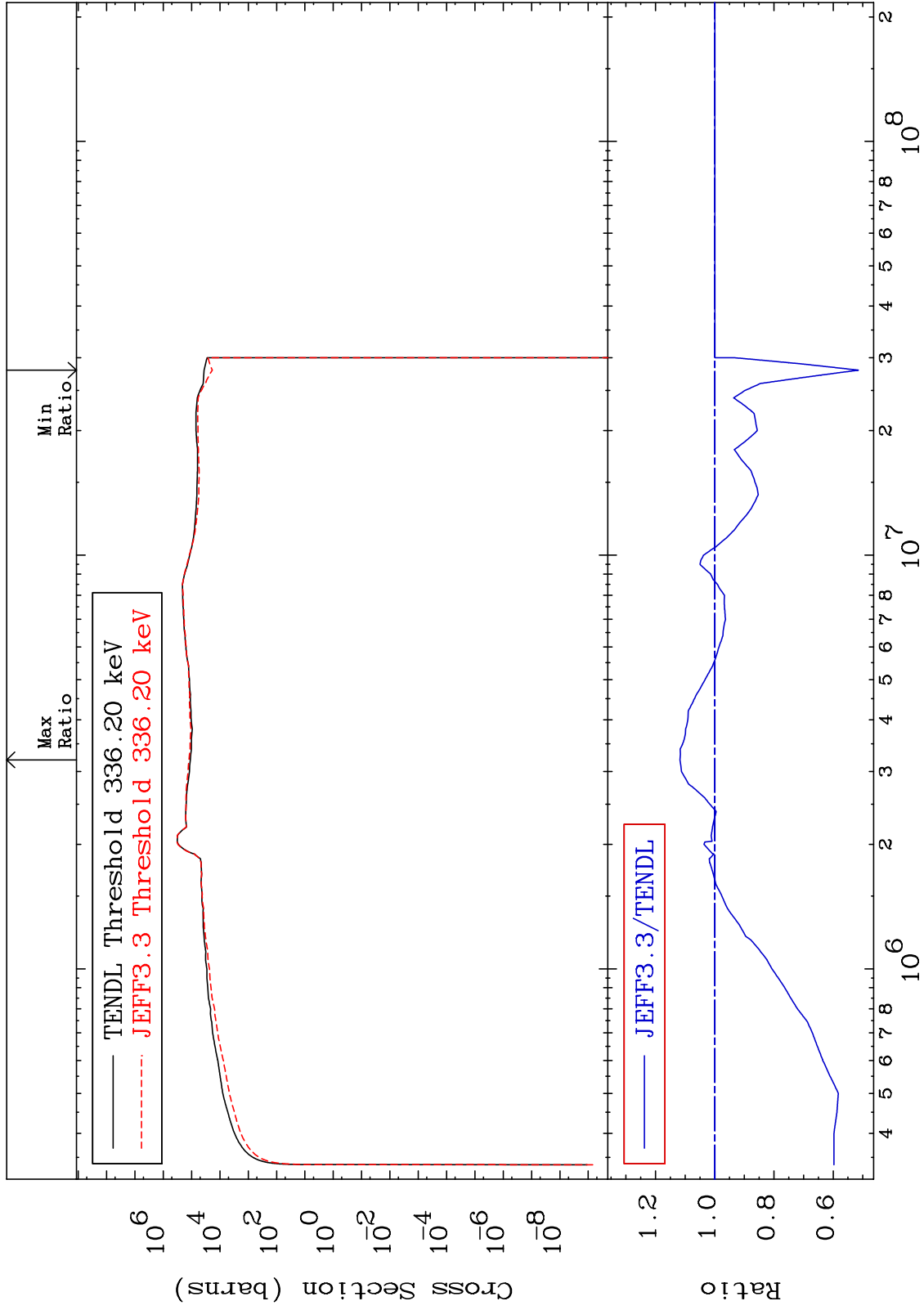




MAT 6243

Kerma inelastic (mt51-91)  
Cross Section

62-Sm-150  
-48.52 To 11.73 %



72

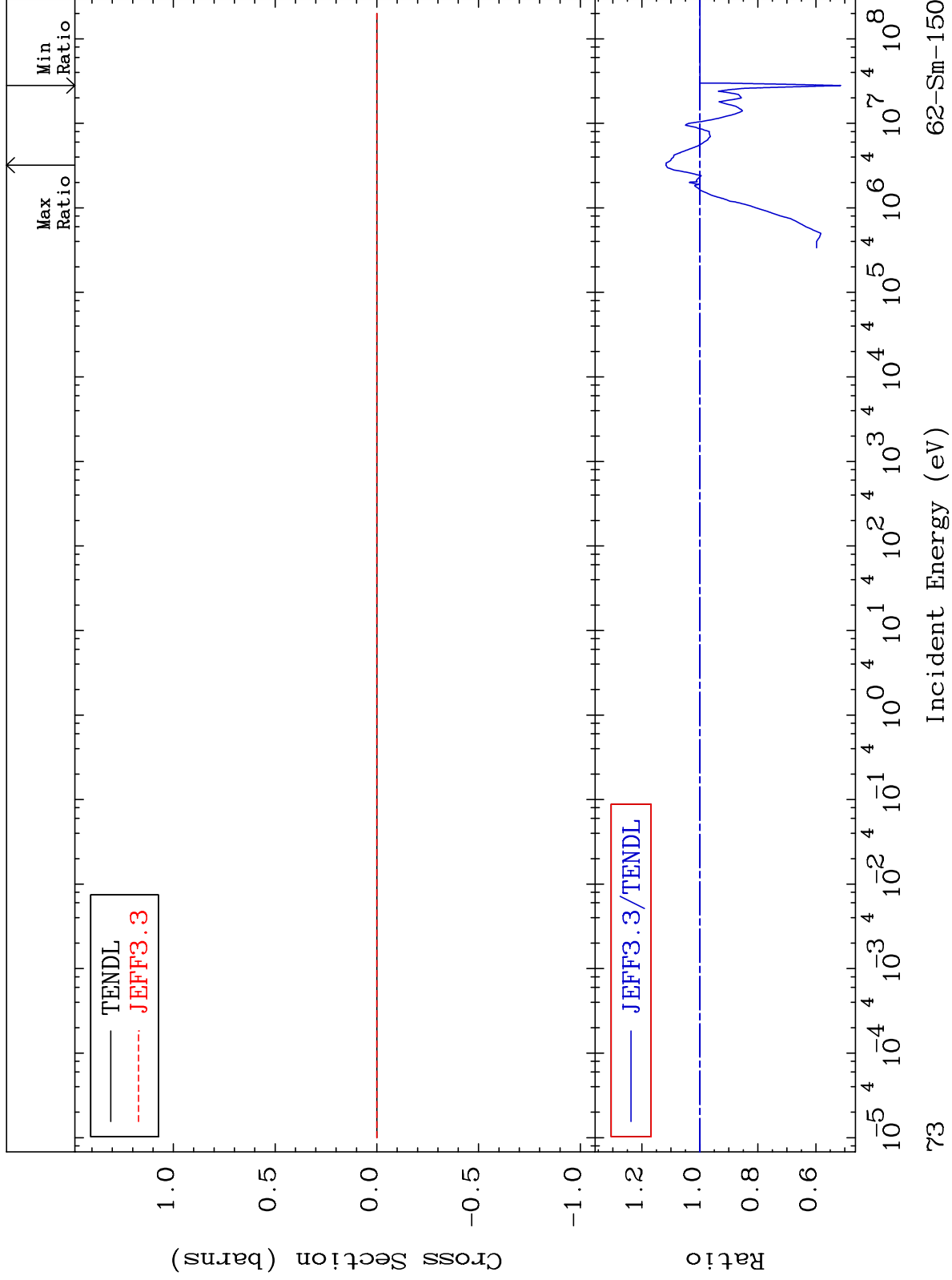
Incident Energy (eV)

62-Sm-150

MAT 6243

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

62-Sm-150  
-48.52 To 11.73 %



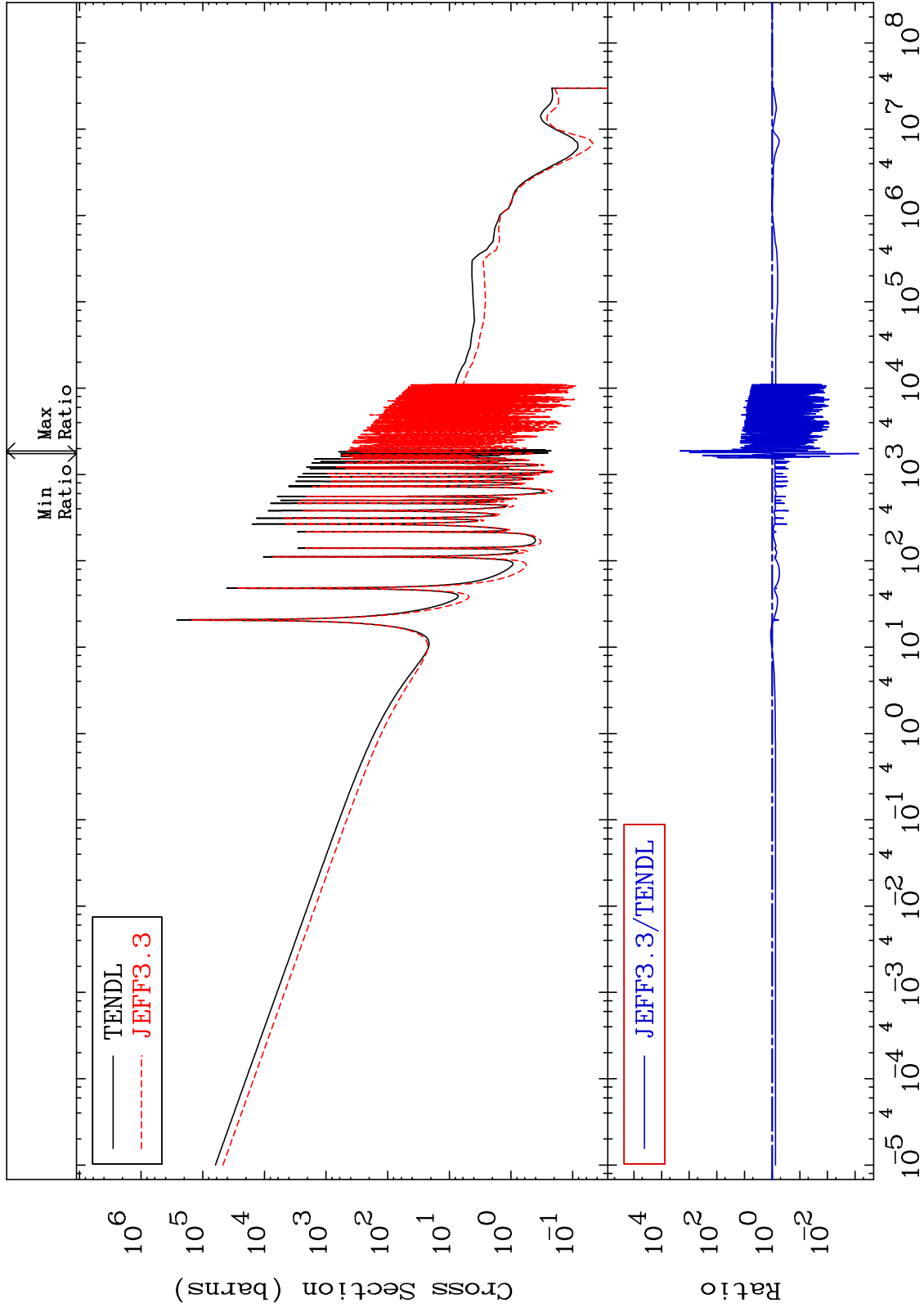
73

62-Sm-150

MAT 6243

Kerma capture (mt102)  
Cross Section

62-Sm-150  
-99.92 To 9999. %



74

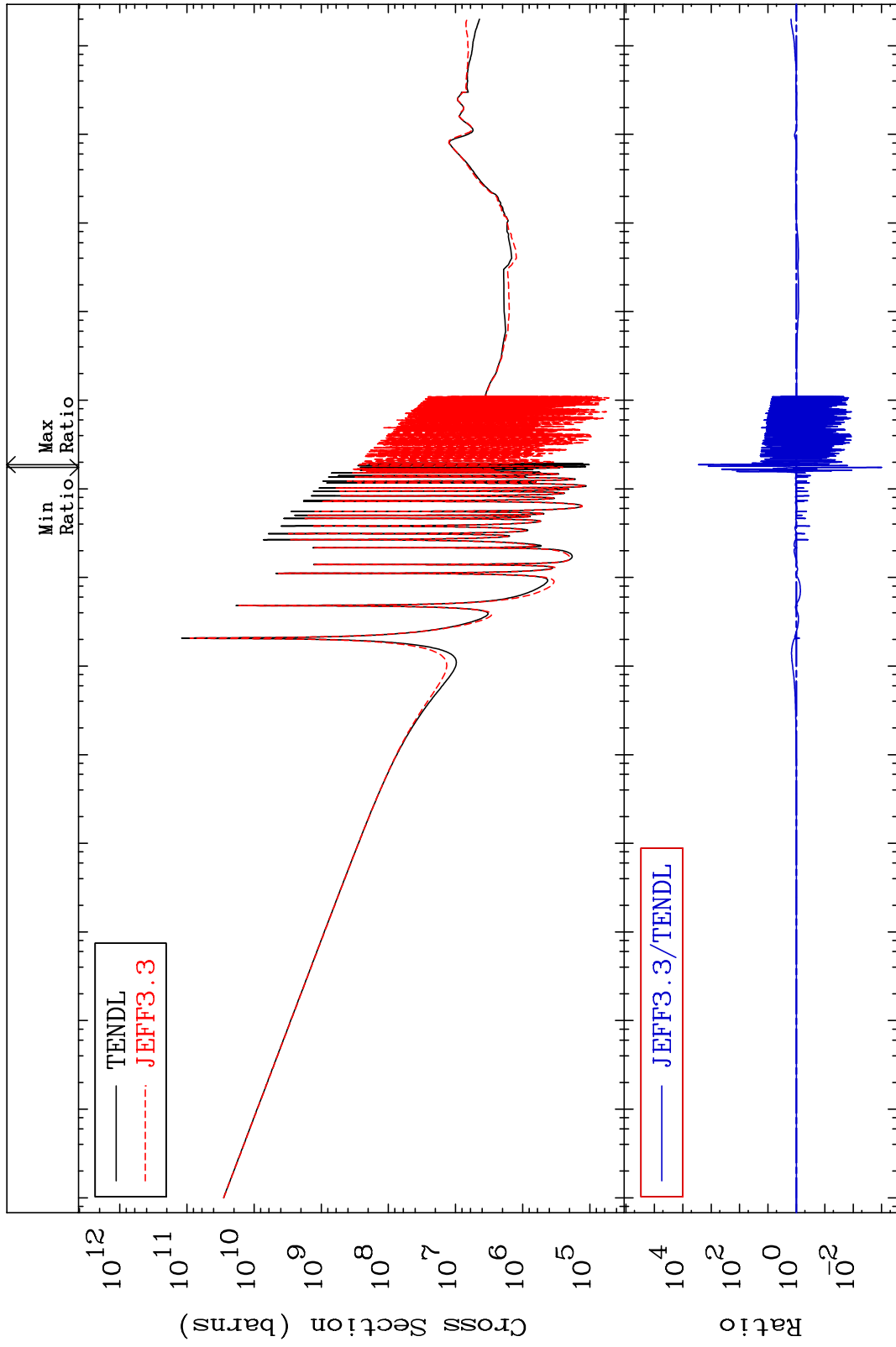
Incident Energy (eV)

62-Sm-150

MAT 6243

Total photon (eV-barns)  
Cross Section

62-Sm-150  
-99.90 To 9999. %



75

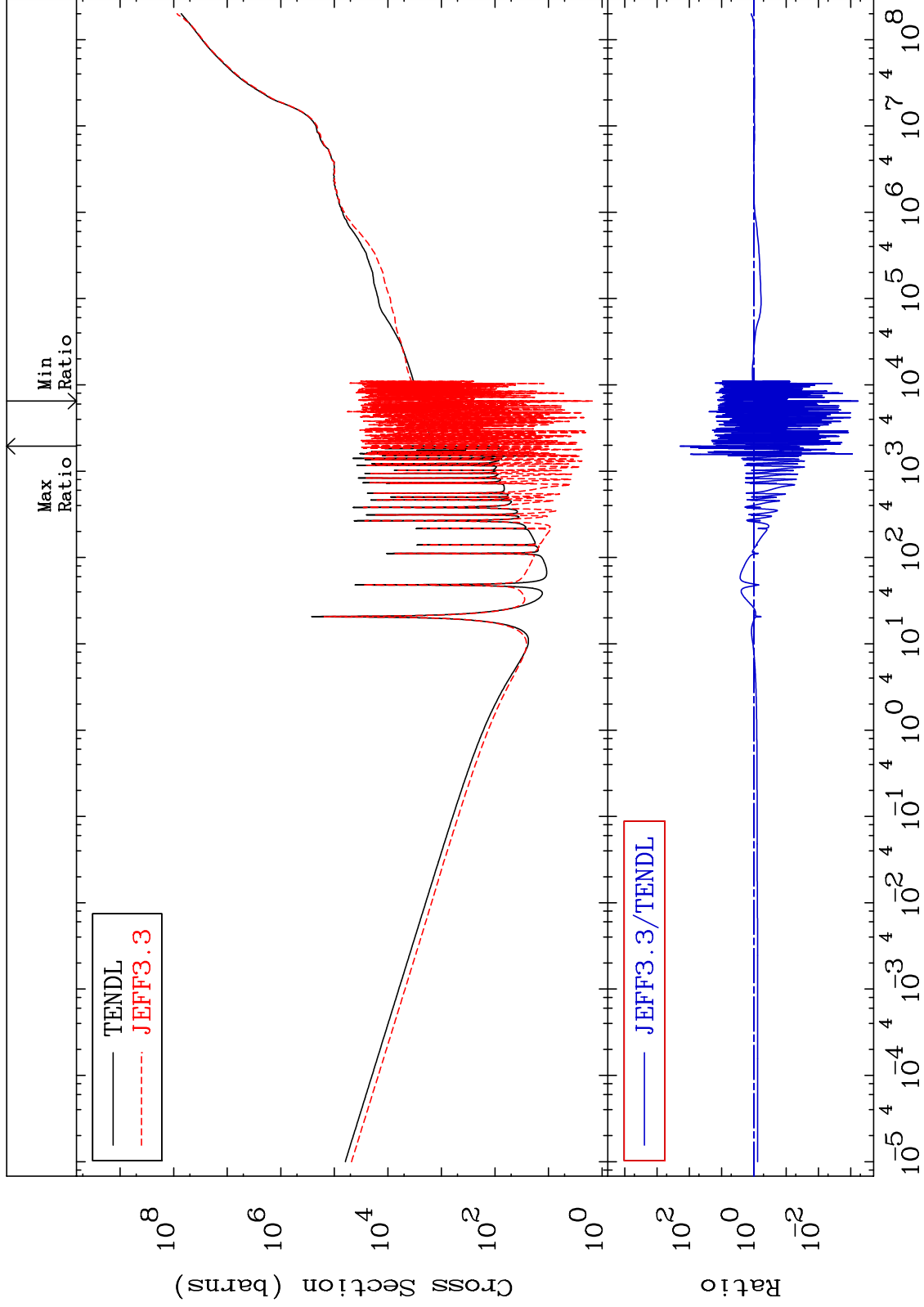
Incident Energy (eV)

62-Sm-150

MAT 6243

Total kinematic kerma (high limit)  
Cross Section

62-Sm-150  
-99.94 To 9999. %



76

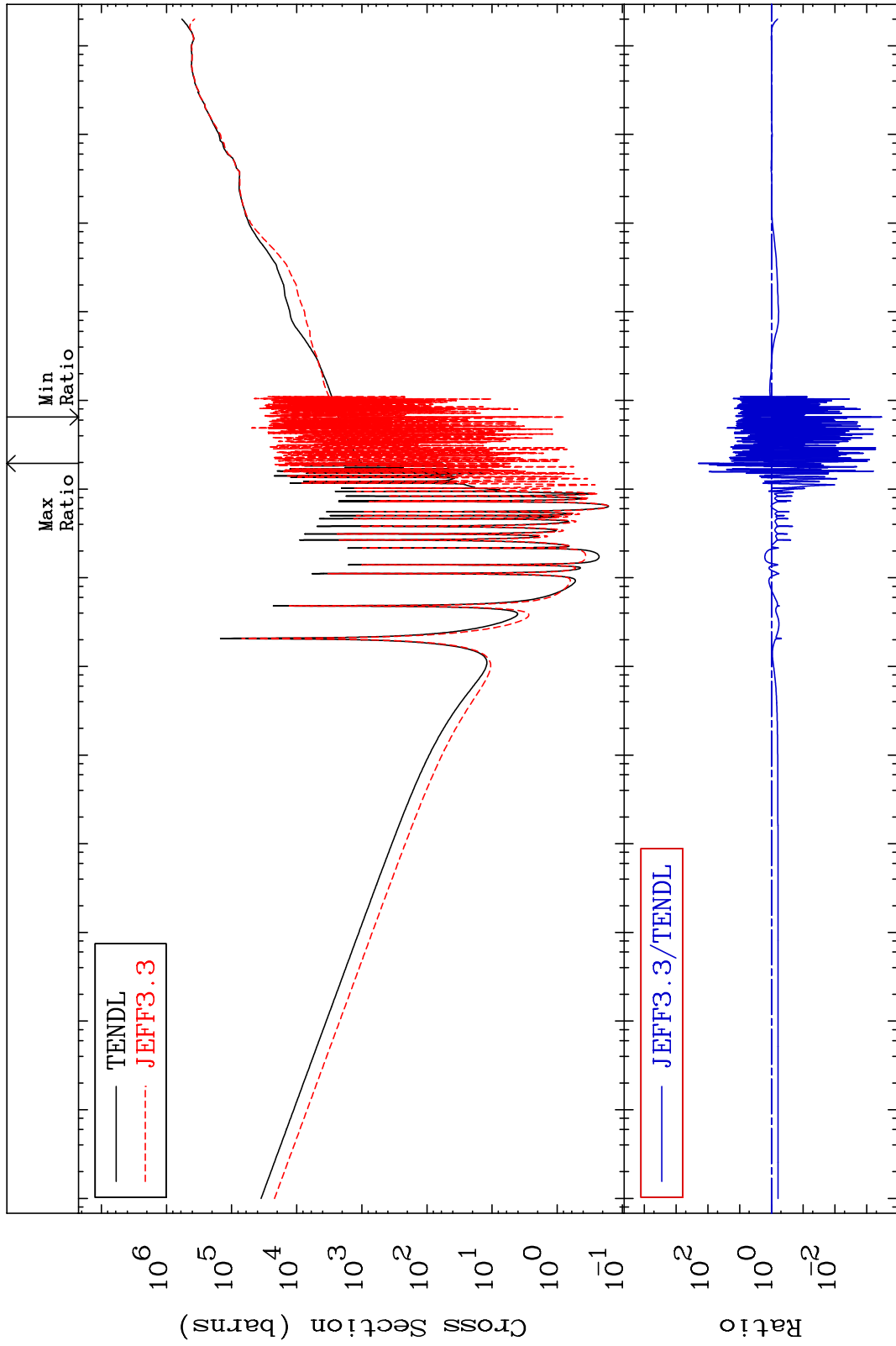
Incident Energy (eV)

62-Sm-150

MAT 6243

Dpa total (eV-barns)  
Cross Section

62-Sm-150  
-99.97 To 9999. %



77

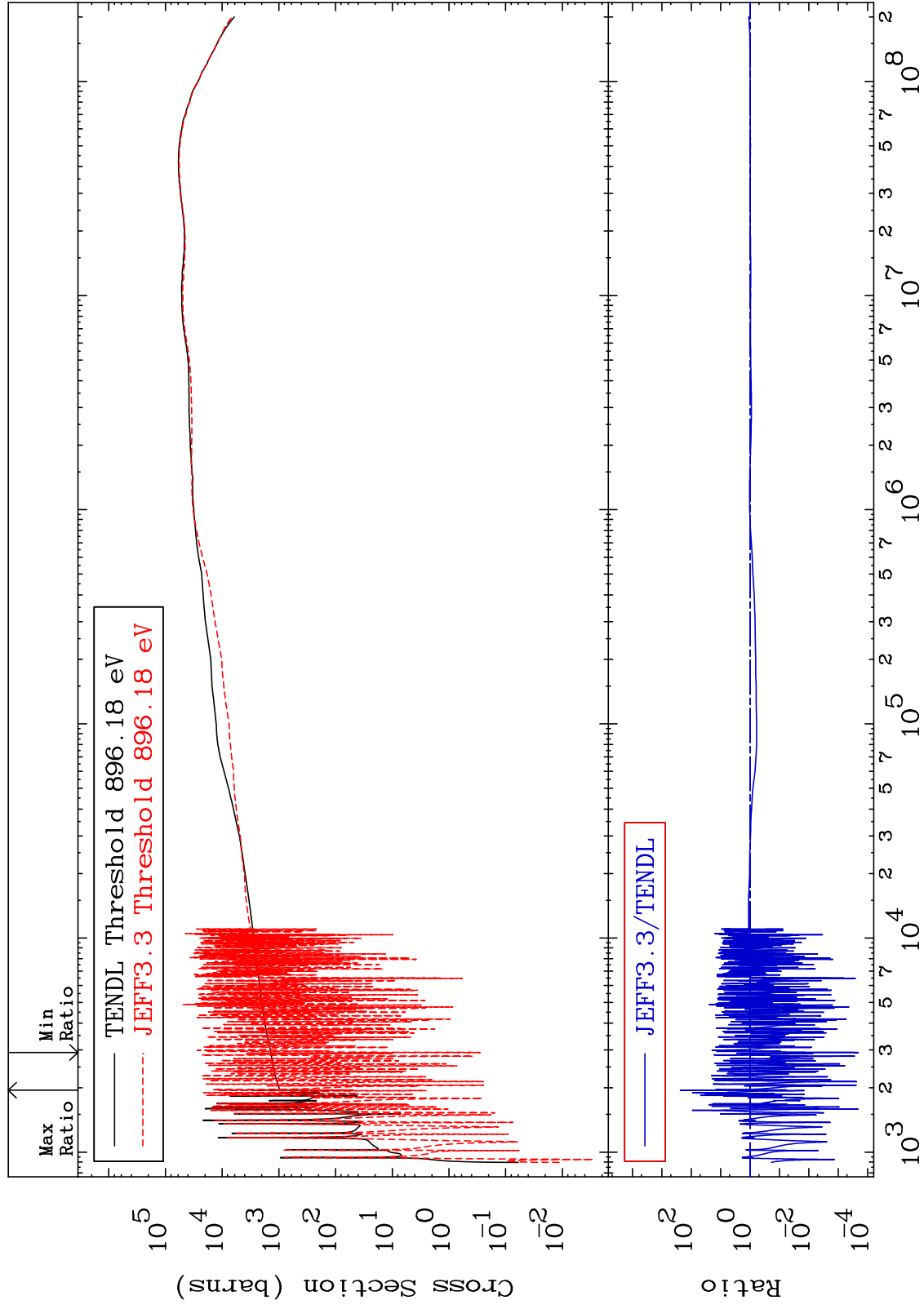
Incident Energy (eV)

62-Sm-150

MAT 6243

Dpa elastic (mt2)  
Cross Section

62-Sm-150  
-99.98 To 9999. %



78

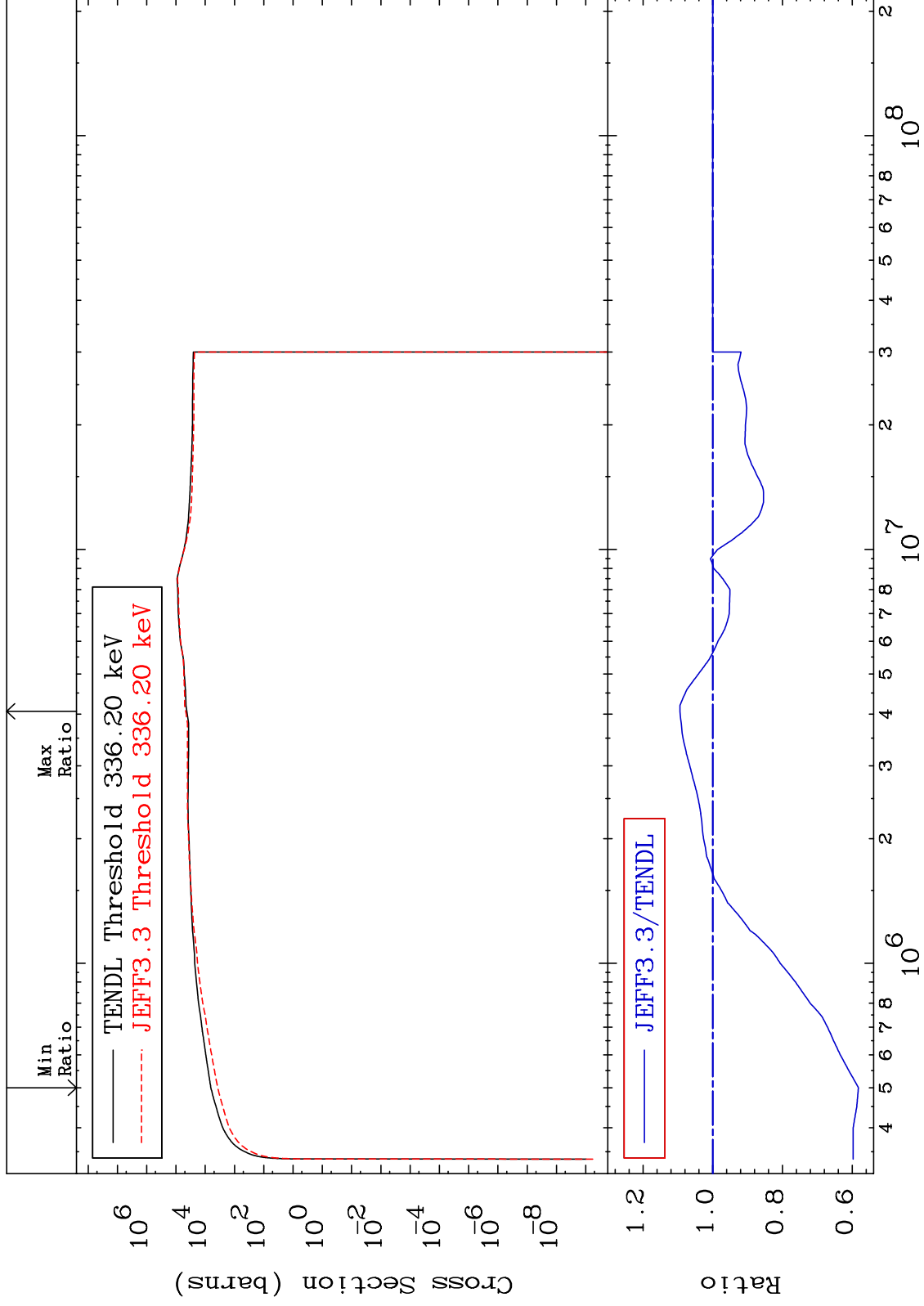
Incident Energy (eV)

62-Sm-150

MAT 6243

Dpa inelastic (mt51-91)  
Cross Section

62-Sm-150  
-41.75 To 9.390 %



79

Incident Energy (eV)

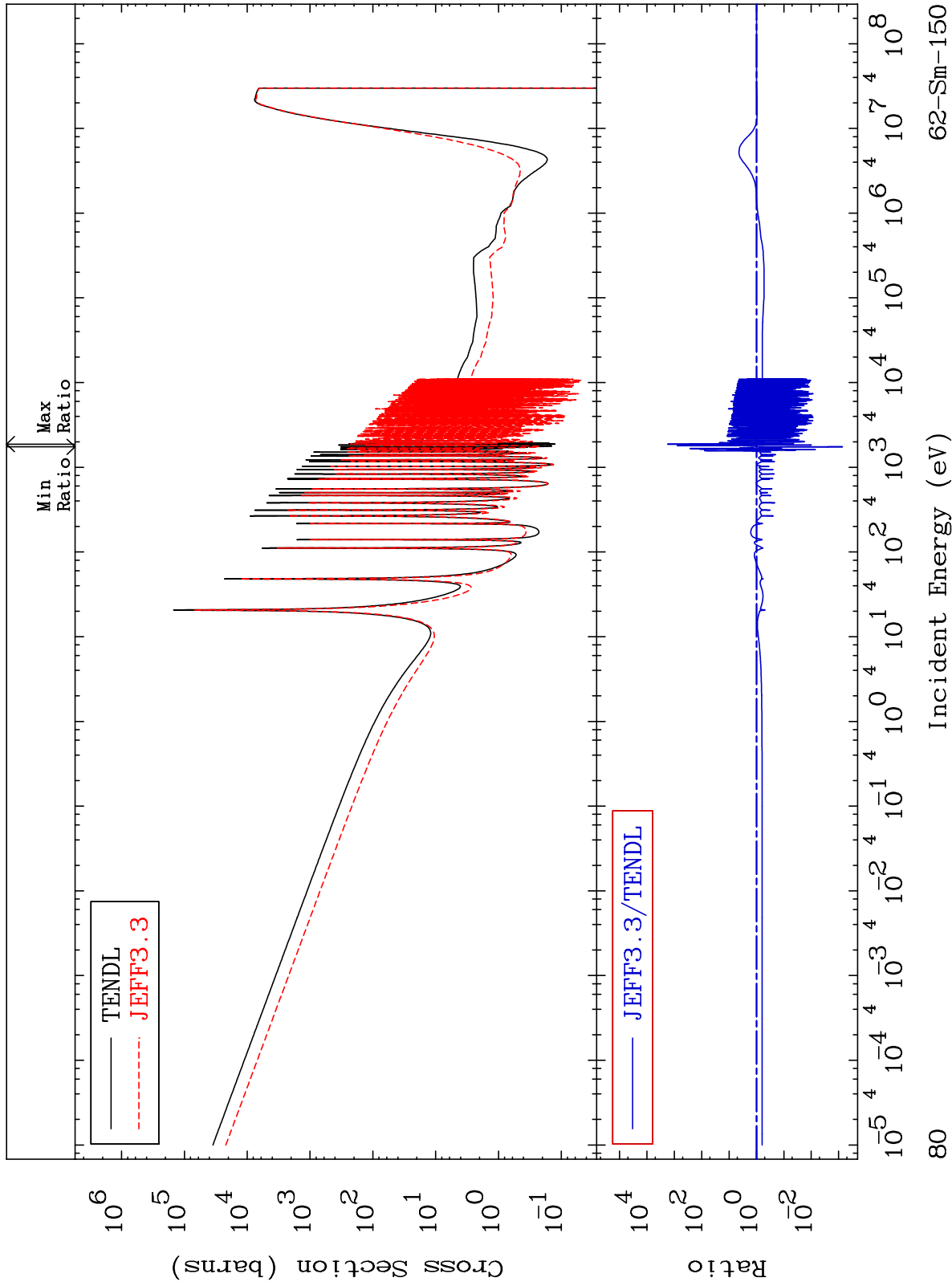
62-Sm-150



MAT 6243

Dpa disappearance (mt102 -120)  
Cross Section

62-Sm-150  
-99.93 To 9999. %

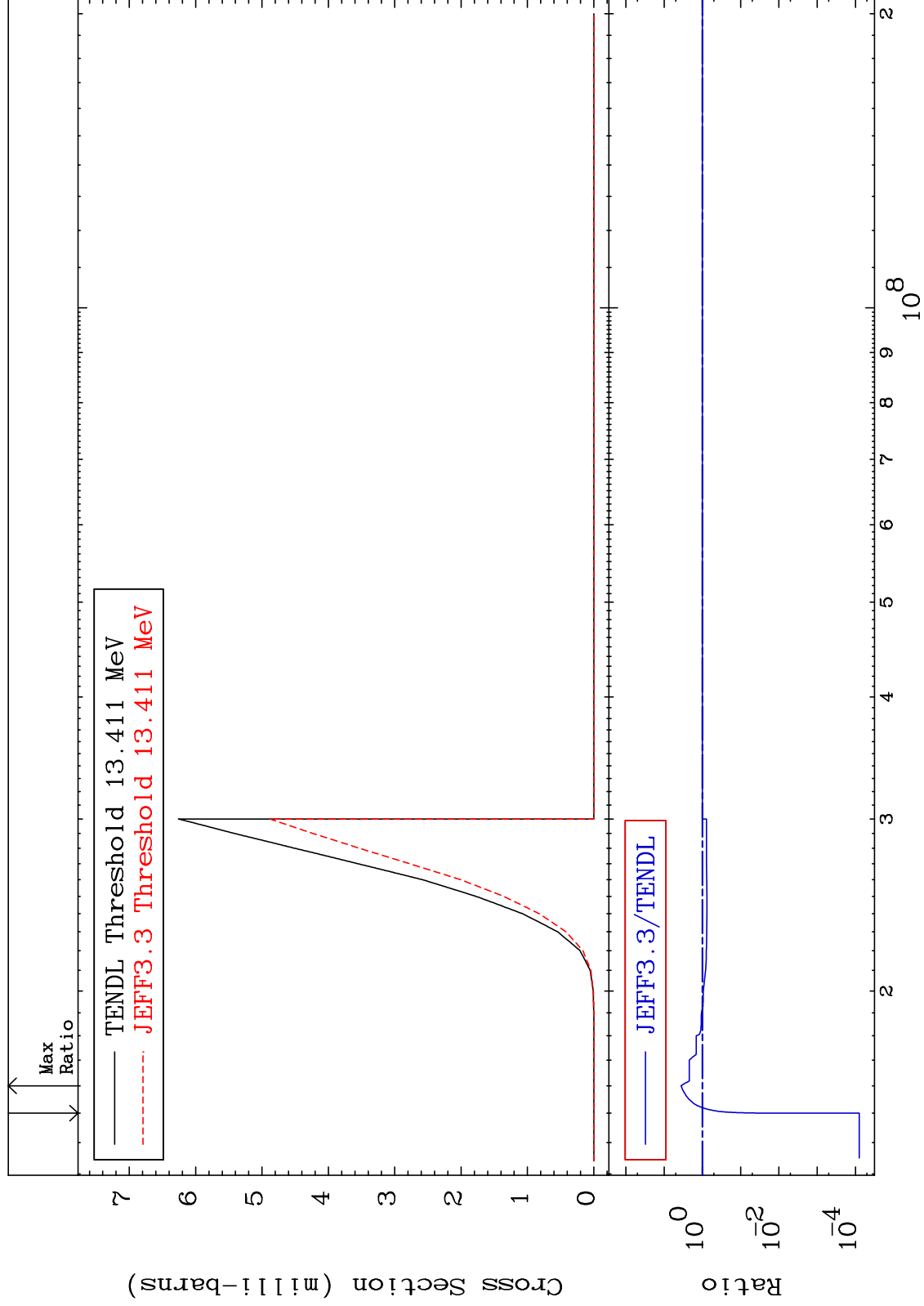


MAT 6243

(n, n') d:61-Pm-148g

62-Sm-150

Radionuclide Production Cross Section -99.99 To 261.6 %

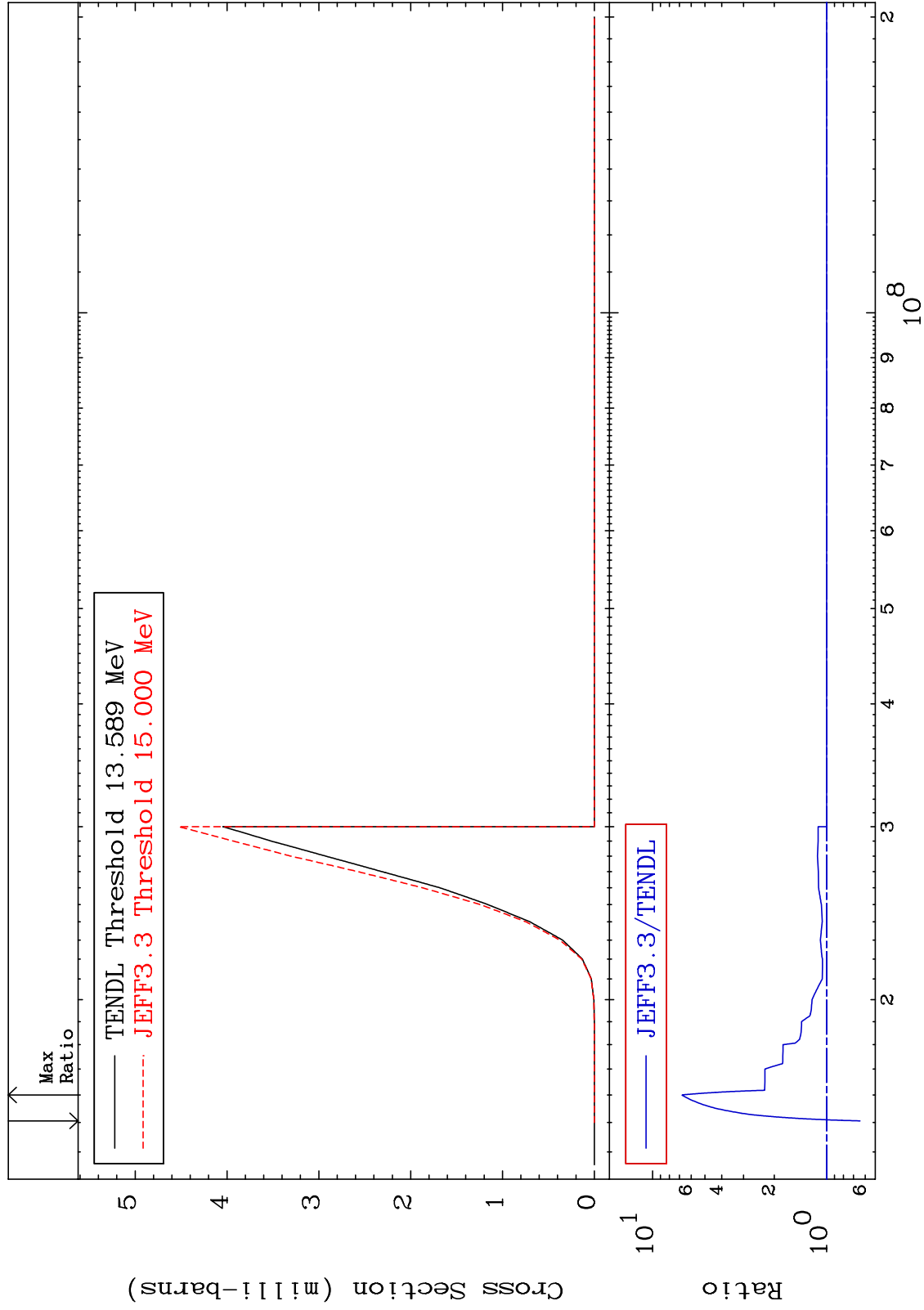


MAT 6243

(n, n') d:61-Pm-148m3

62-Sm-150

Radionuclide Production Cross Section -35.77 To 580.4 %

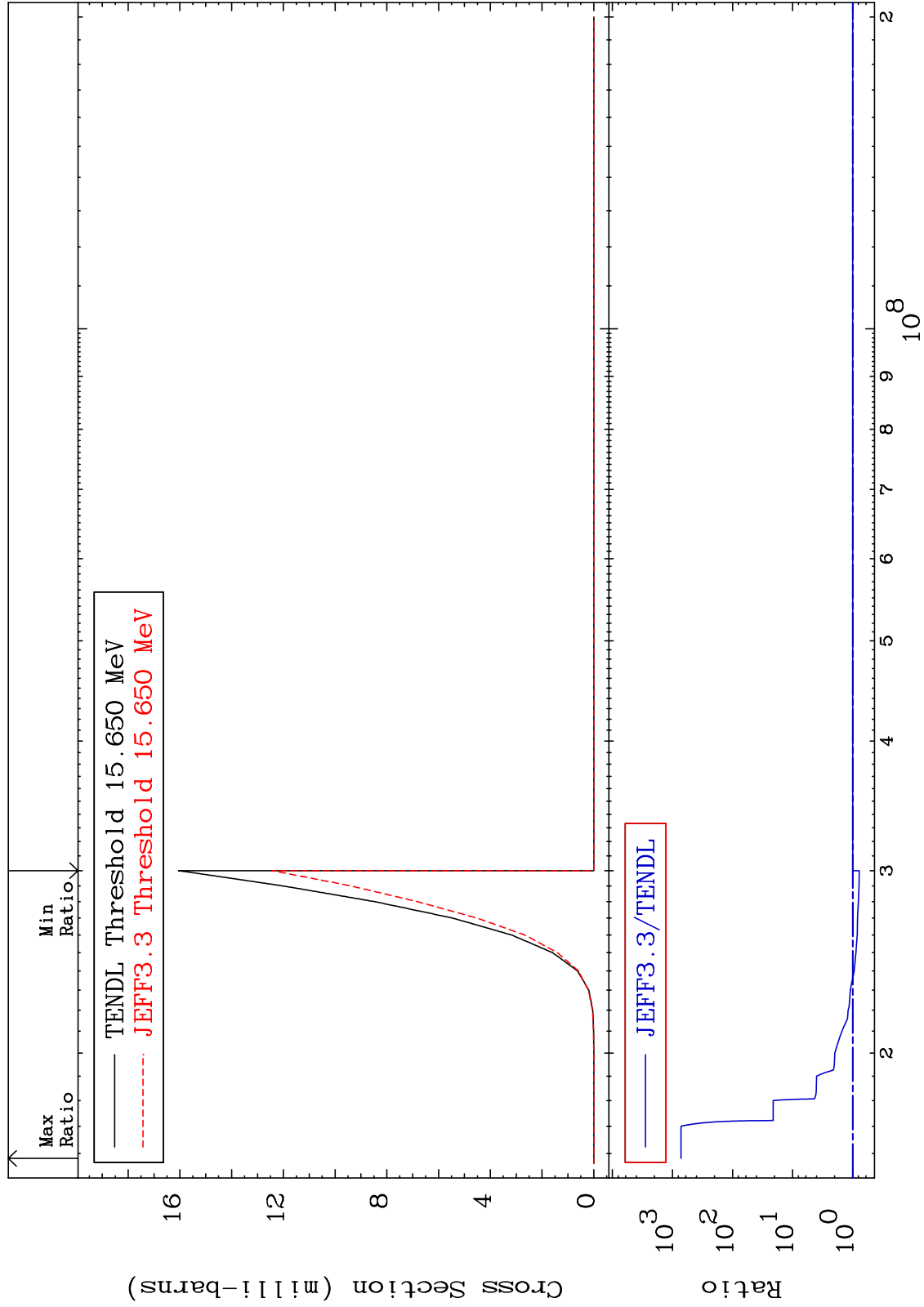


MAT 6243

(n,2n) p:61-Pm-148g

62-Sm-150

Radionuclide Production Cross Section -22.49 To 9999. %

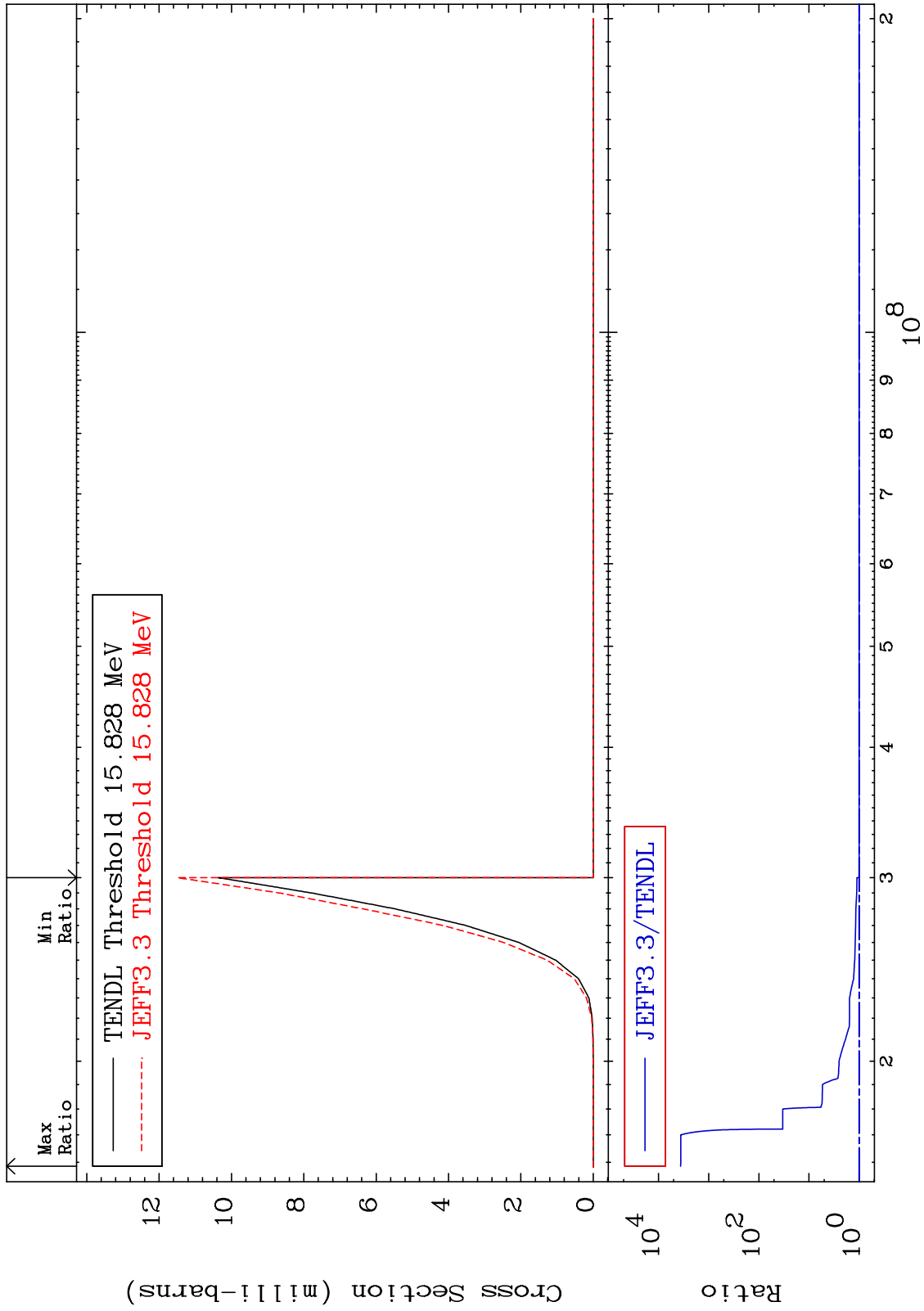


MAT 6243

(n,2n) p:61-Pm-148m3

62-Sm-150

Radionuclide Production Cross Section 0.000 To 9999. %

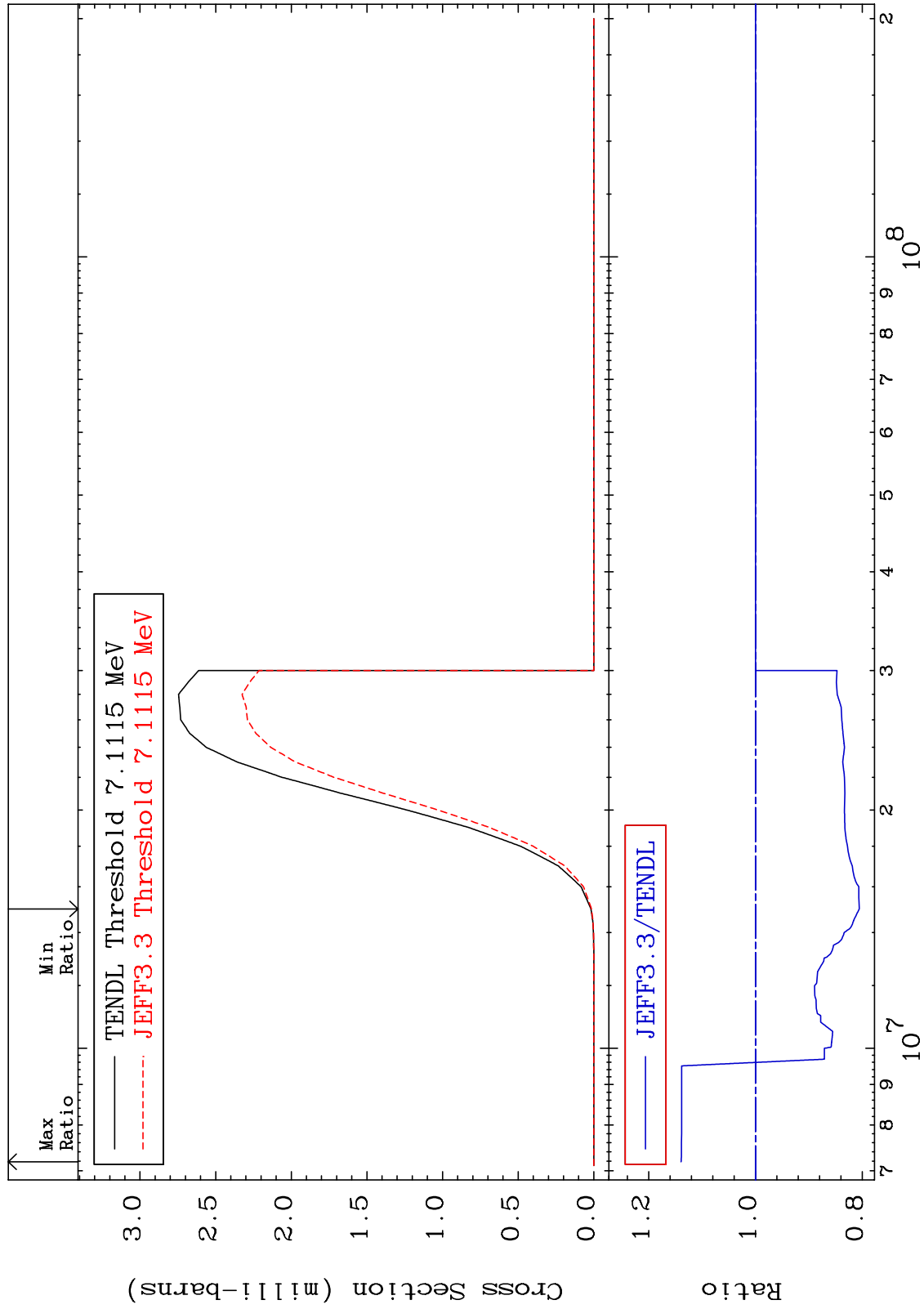


MAT 6243

(n, t): 61-Pm-148g

62-Sm-150

Radionuclide Production Cross Section -19.43 To 13.94 %



85

Incident Energy (eV)

62-Sm-150

MAT 6243

(n, t): 61-Pm-148m3

62-Sm-150

Radionuclide Production Cross Section 0.000 To 21.97 %

