

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

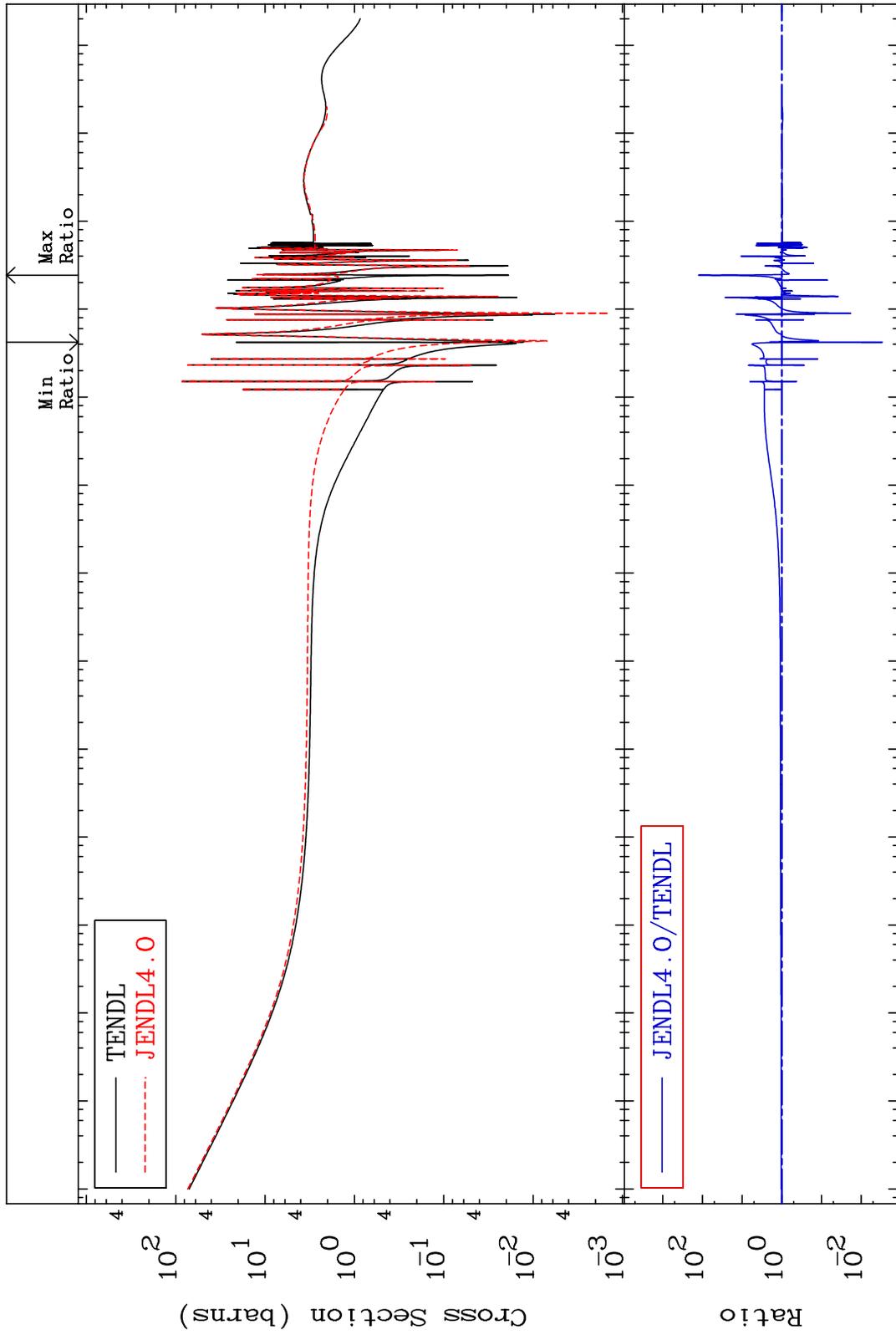
MAT 2037

Total

20-Ca-44

Cross Section

-99.70 To 9999. %



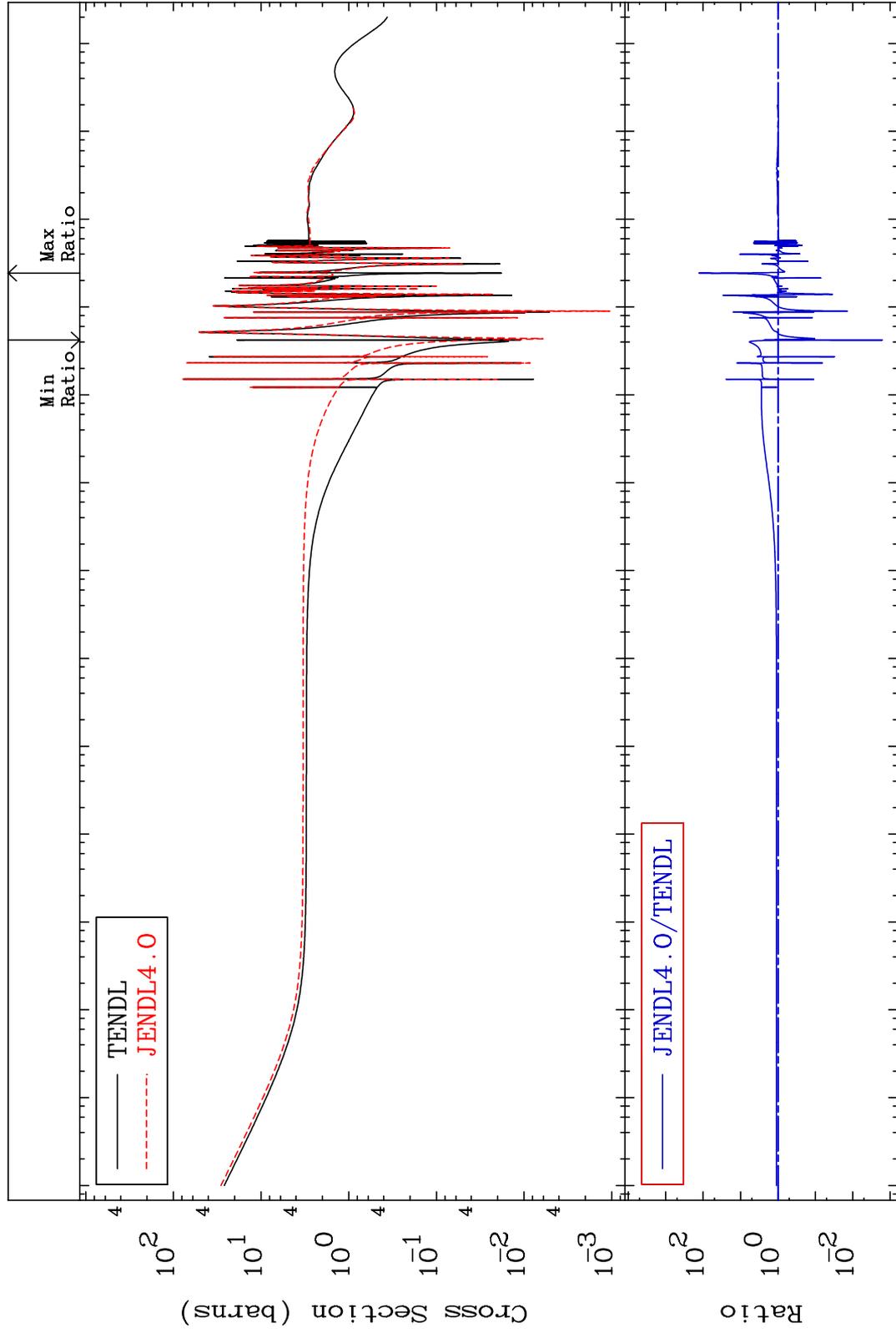
Incident Energy (eV)

20-Ca-44

MAT 2037

Elastic  
Cross Section

20-Ca-44  
-99.84 To 9999. %



Incident Energy (eV)

20-Ca-44

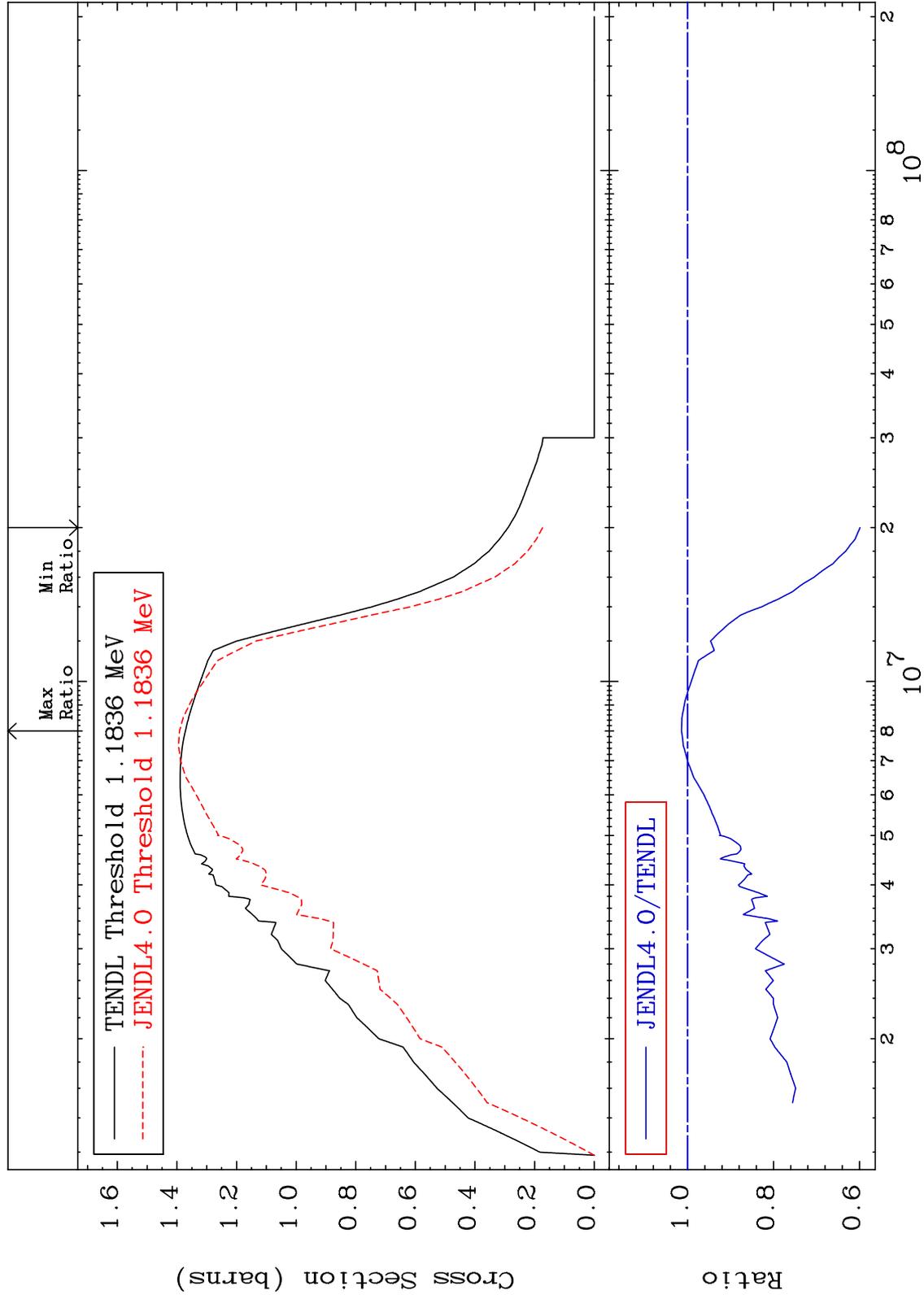
MAT 2037

Inelastic

20-Ca-44

Cross Section

-40.13 To 1.413 %



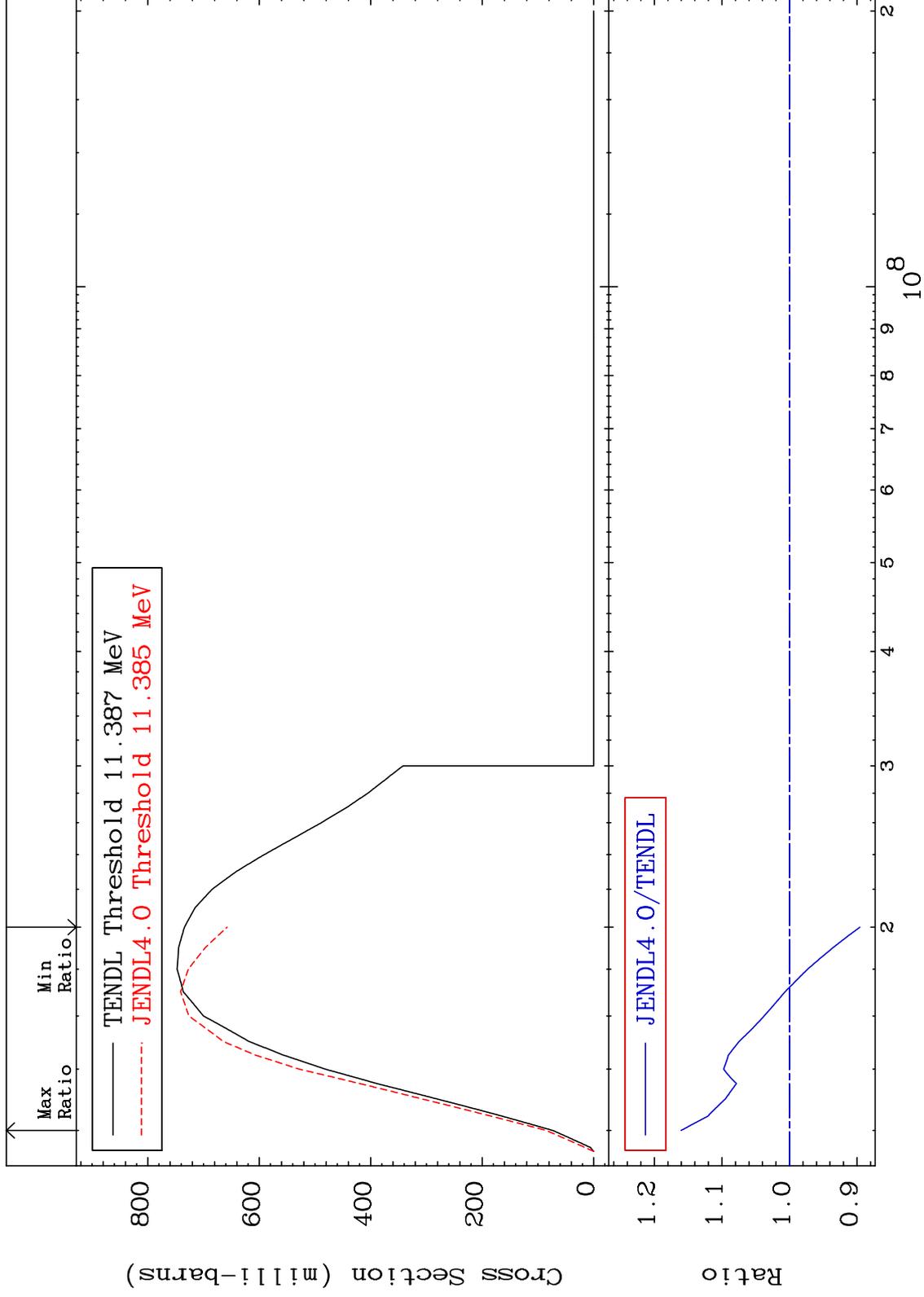
MAT 2037

(n,2n)

20-Ca-44

Cross Section

-10.42 To 16.04 %



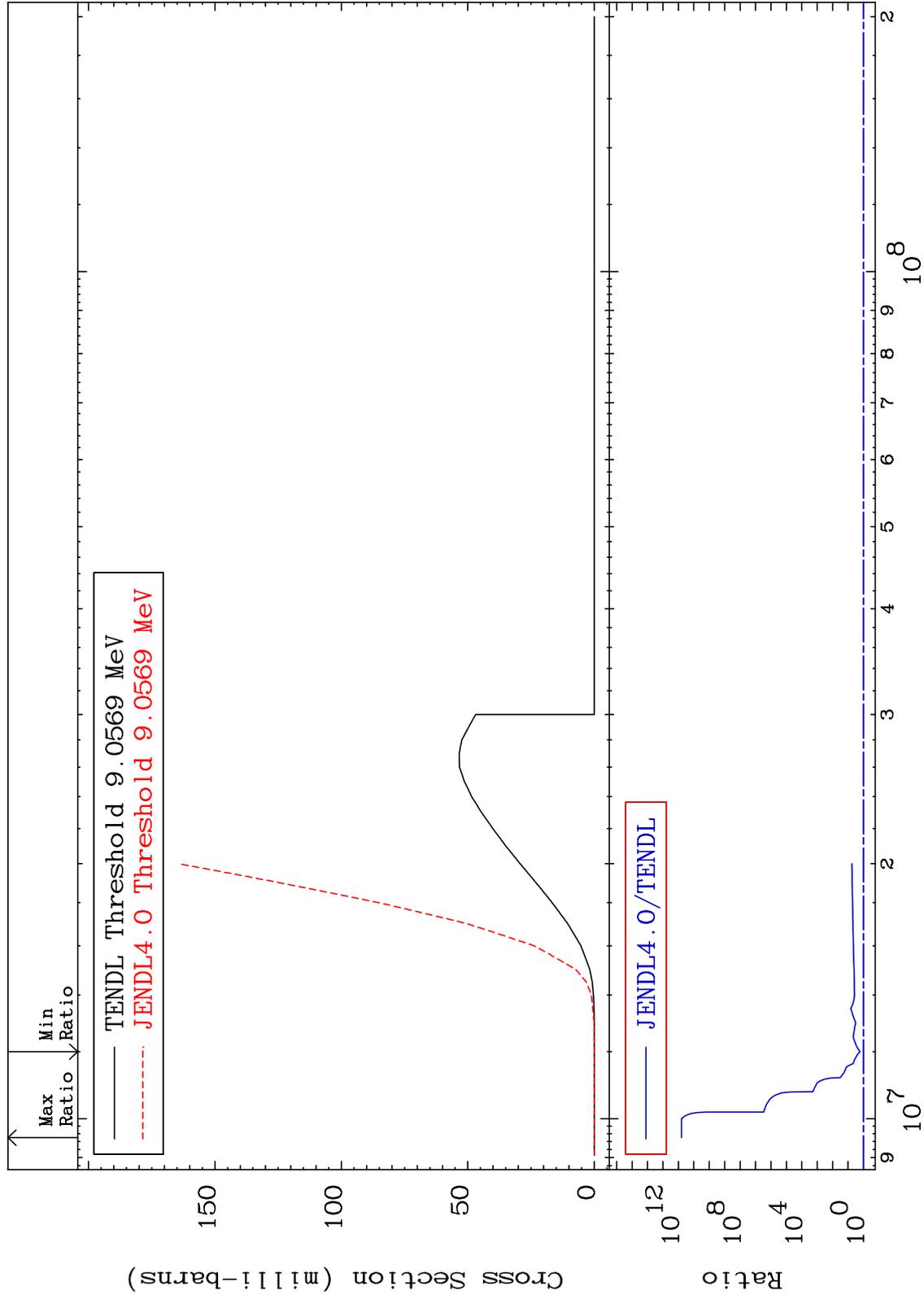
MAT 2037

(n,n')  $\alpha$

20-Ca-44

Cross Section

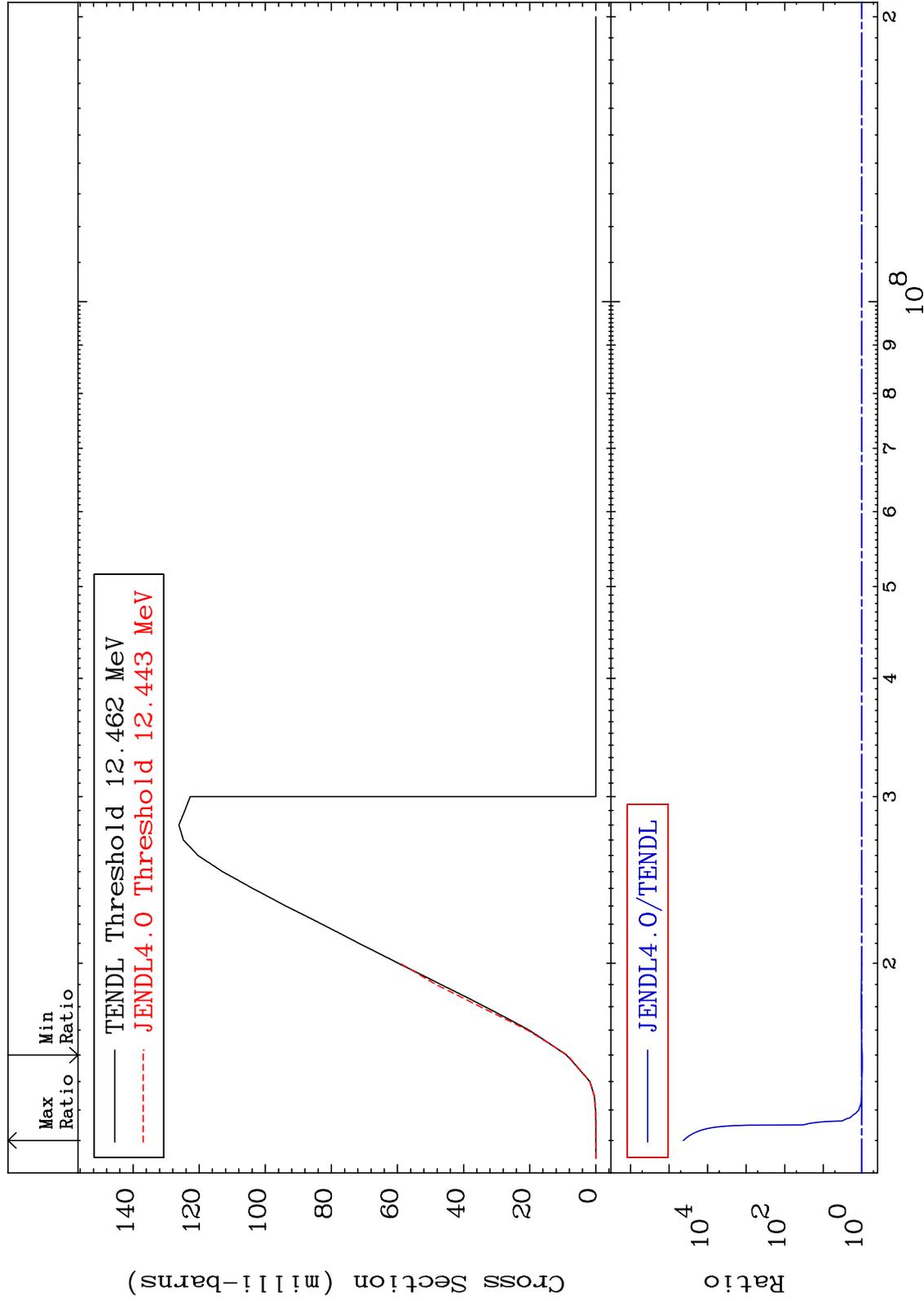
68.06 To 9999. %



5

Incident Energy (eV)

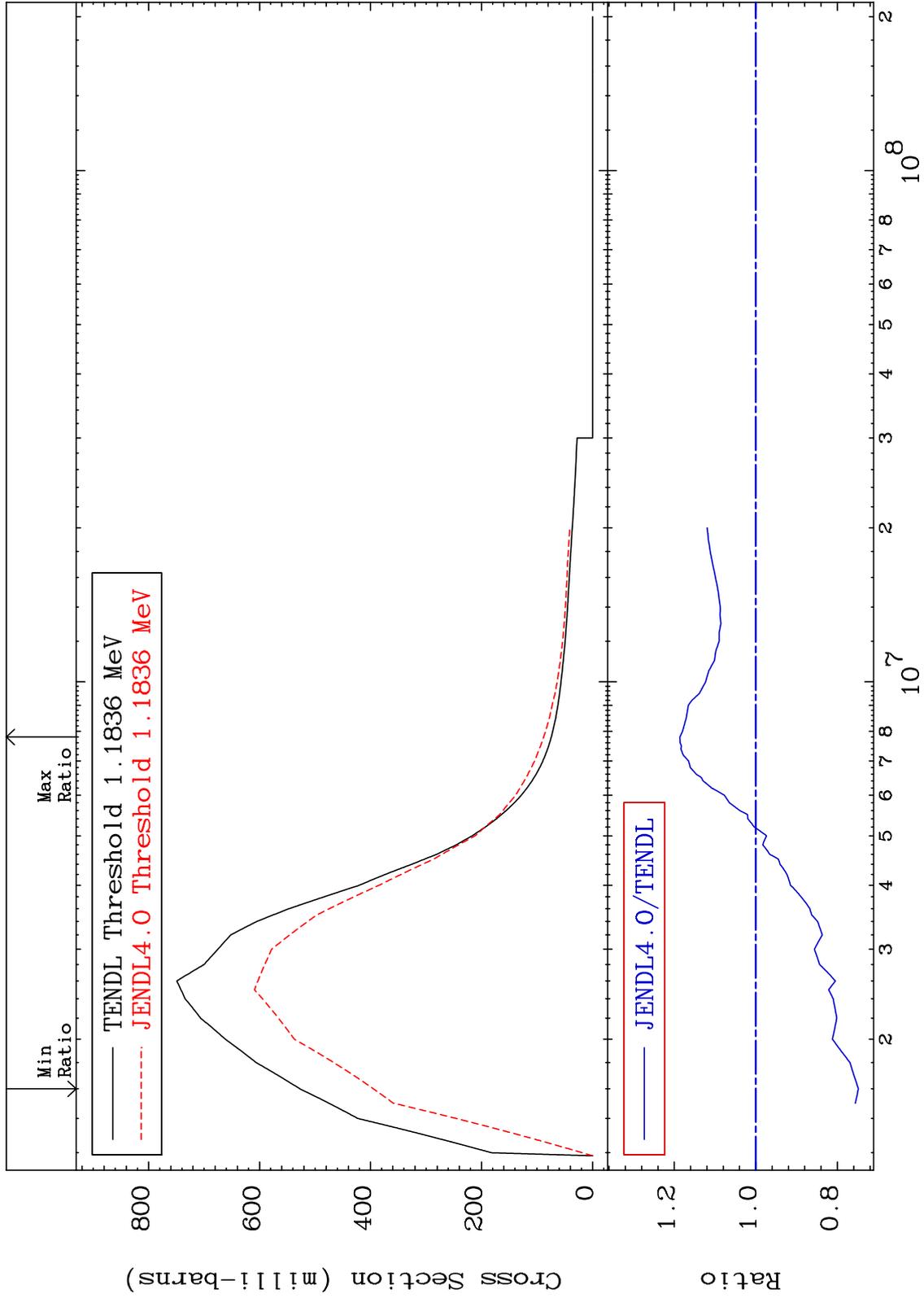
20-Ca-44



MAT 2037

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

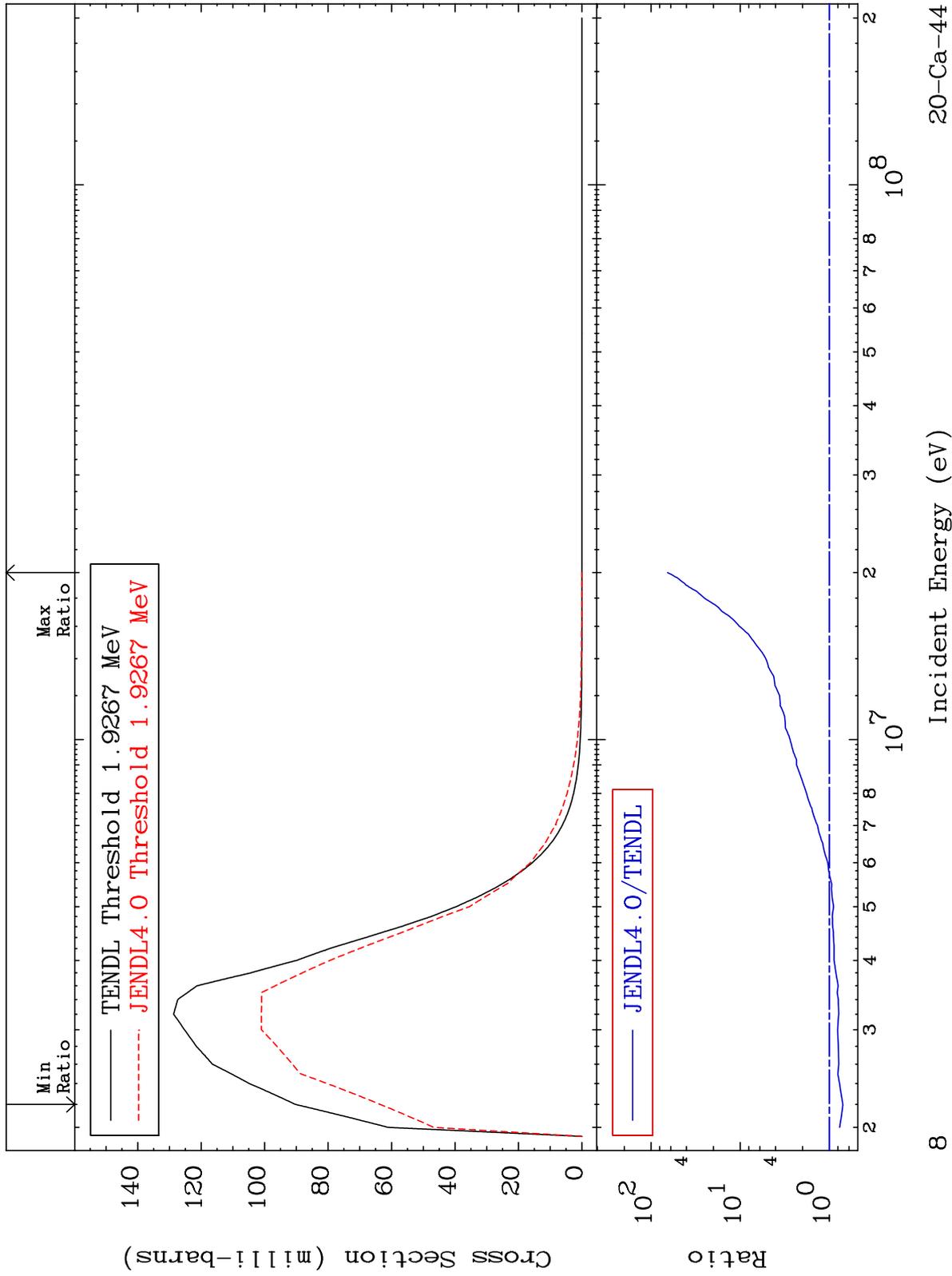
20-Ca-44  
-25.15 To 18.61 %



MAT 2037

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

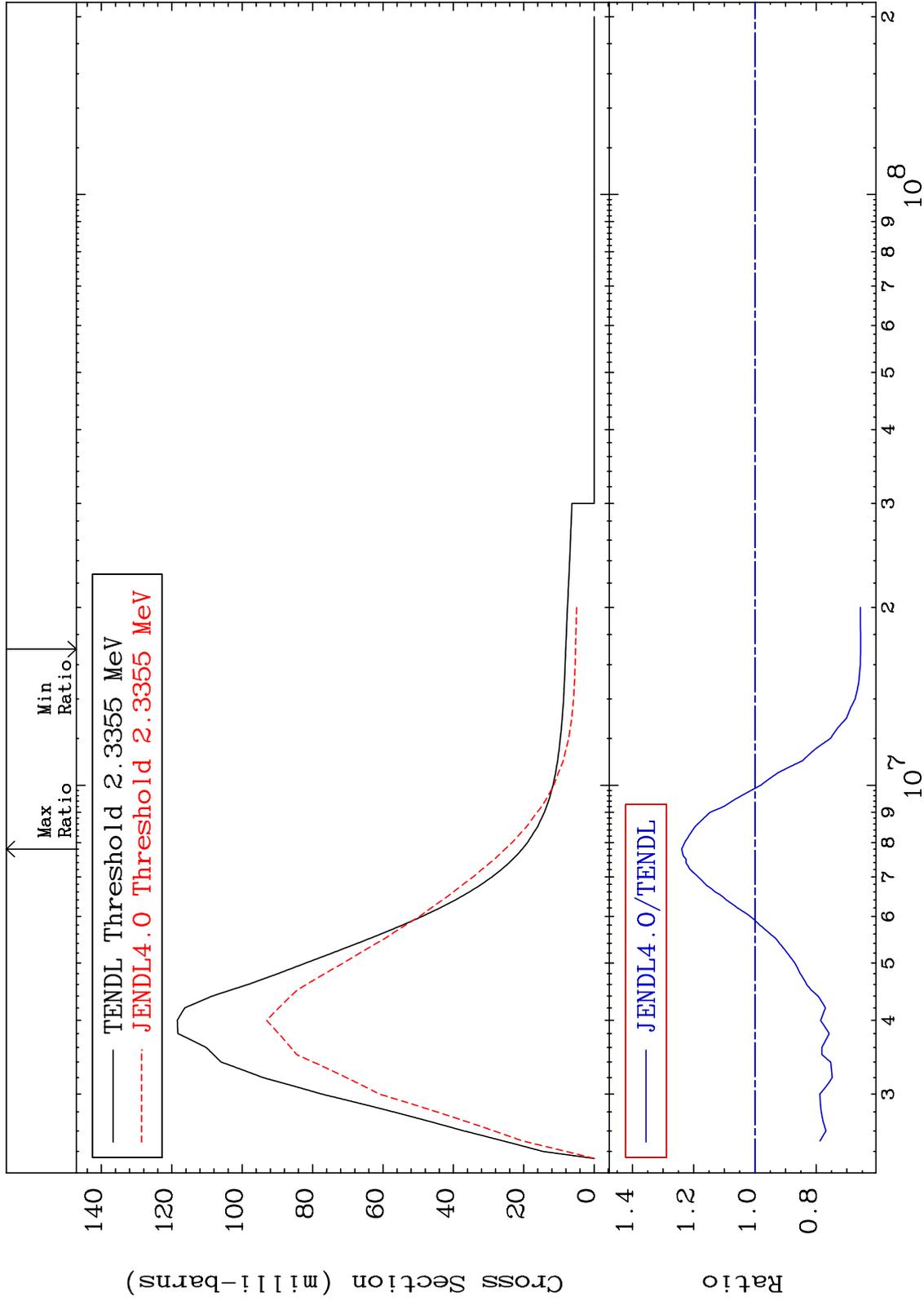
20-Ca-44  
-29.64 To 6413. %



MAT 2037

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

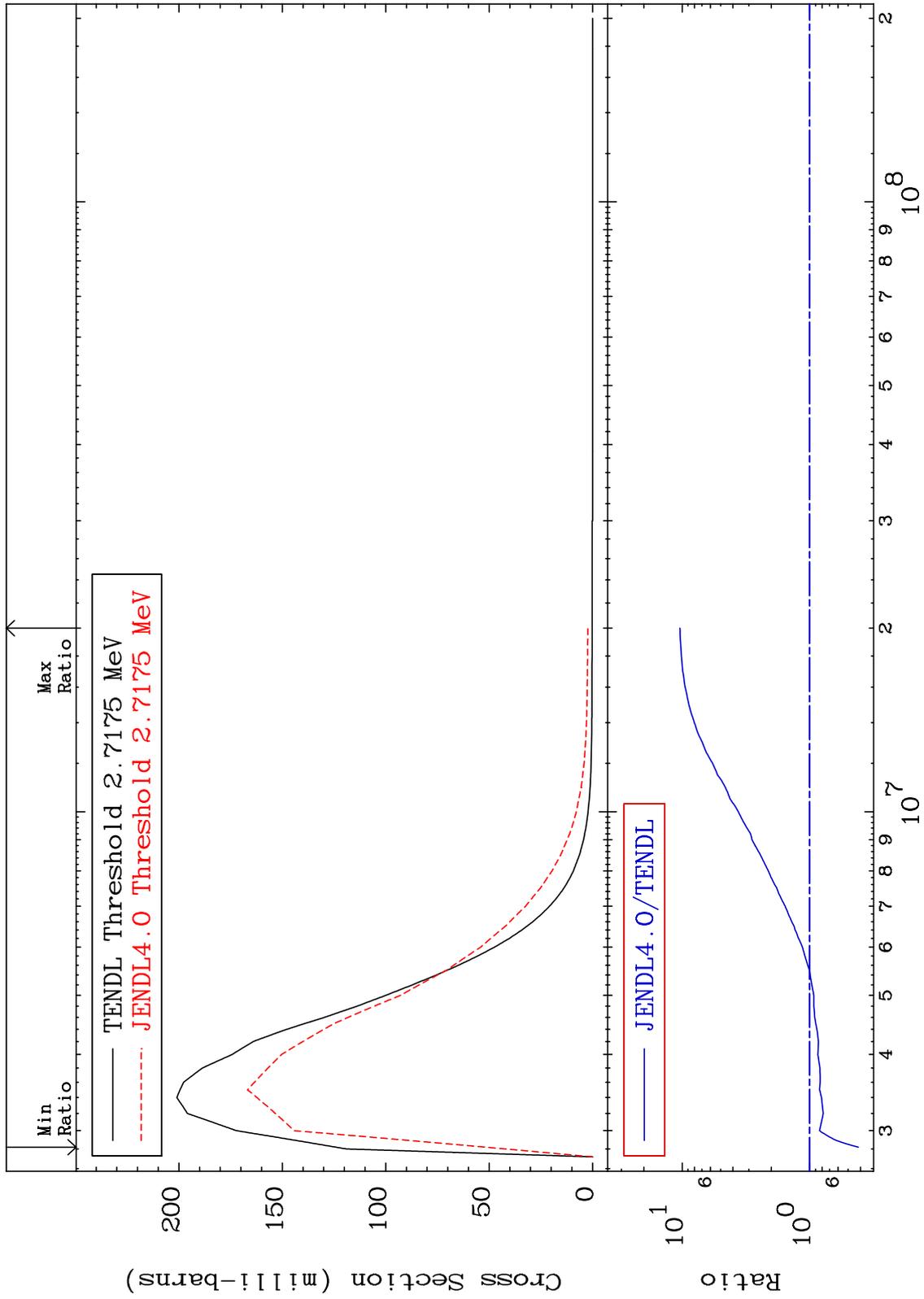
20-Ca-44  
-34.48 To 23.91 %



MAT 2037

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

20-Ca-44  
-58.49 To 941.8 %



10

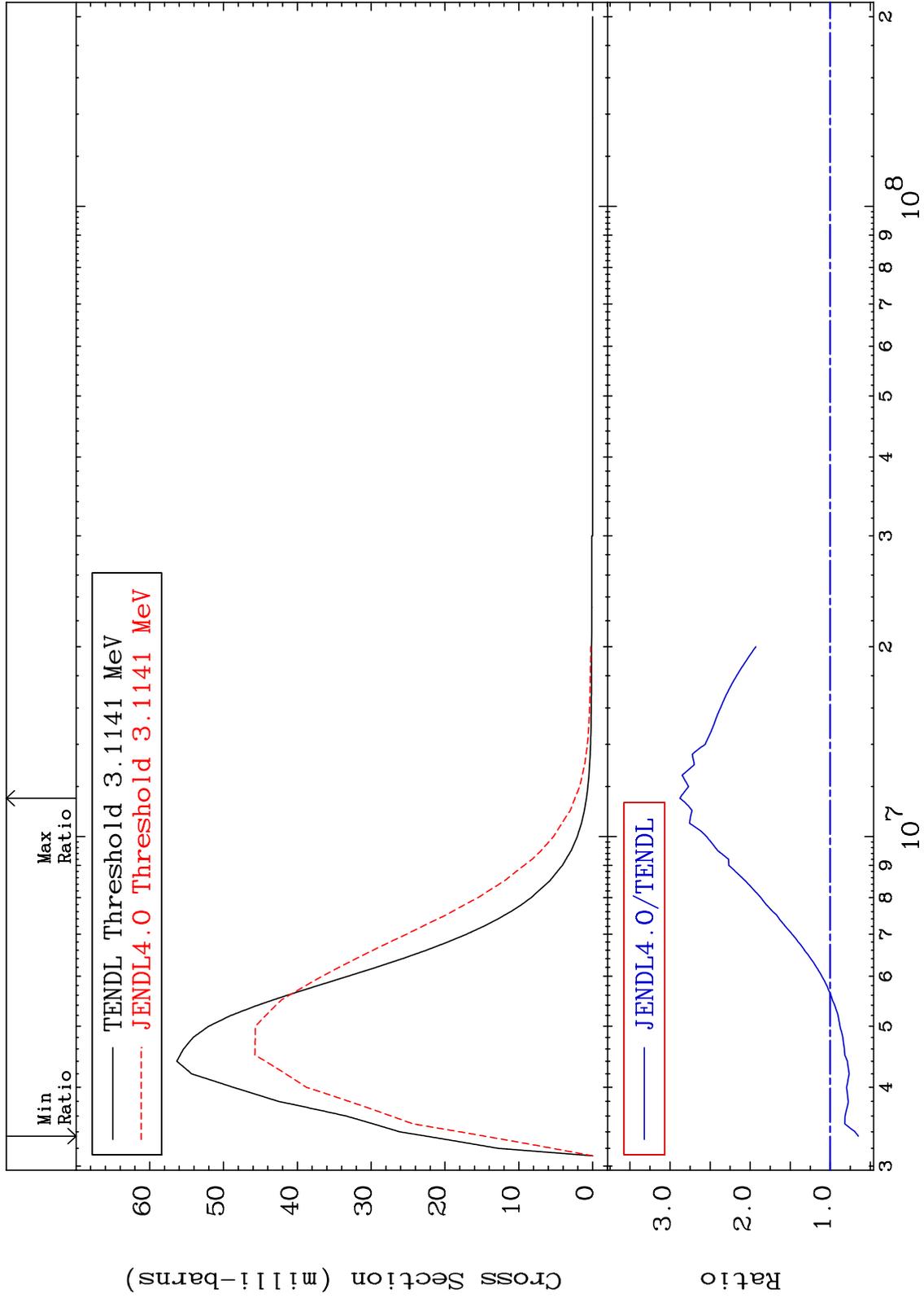
Incident Energy (eV)

20-Ca-44

MAT 2037

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

20-Ca-44  
-35.08 To 187.7 %



11

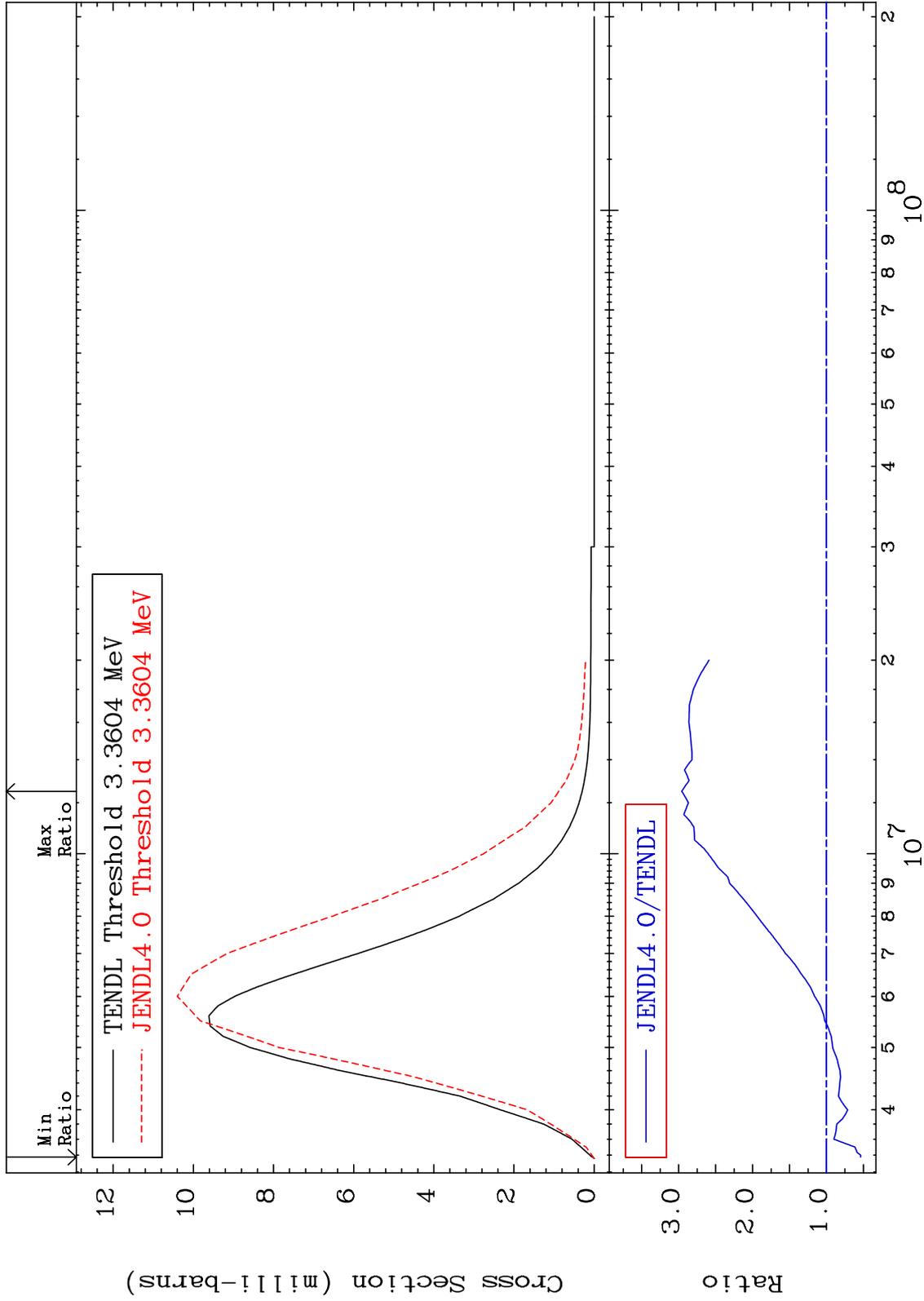
Incident Energy (eV)

20-Ca-44

MAT 2037

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

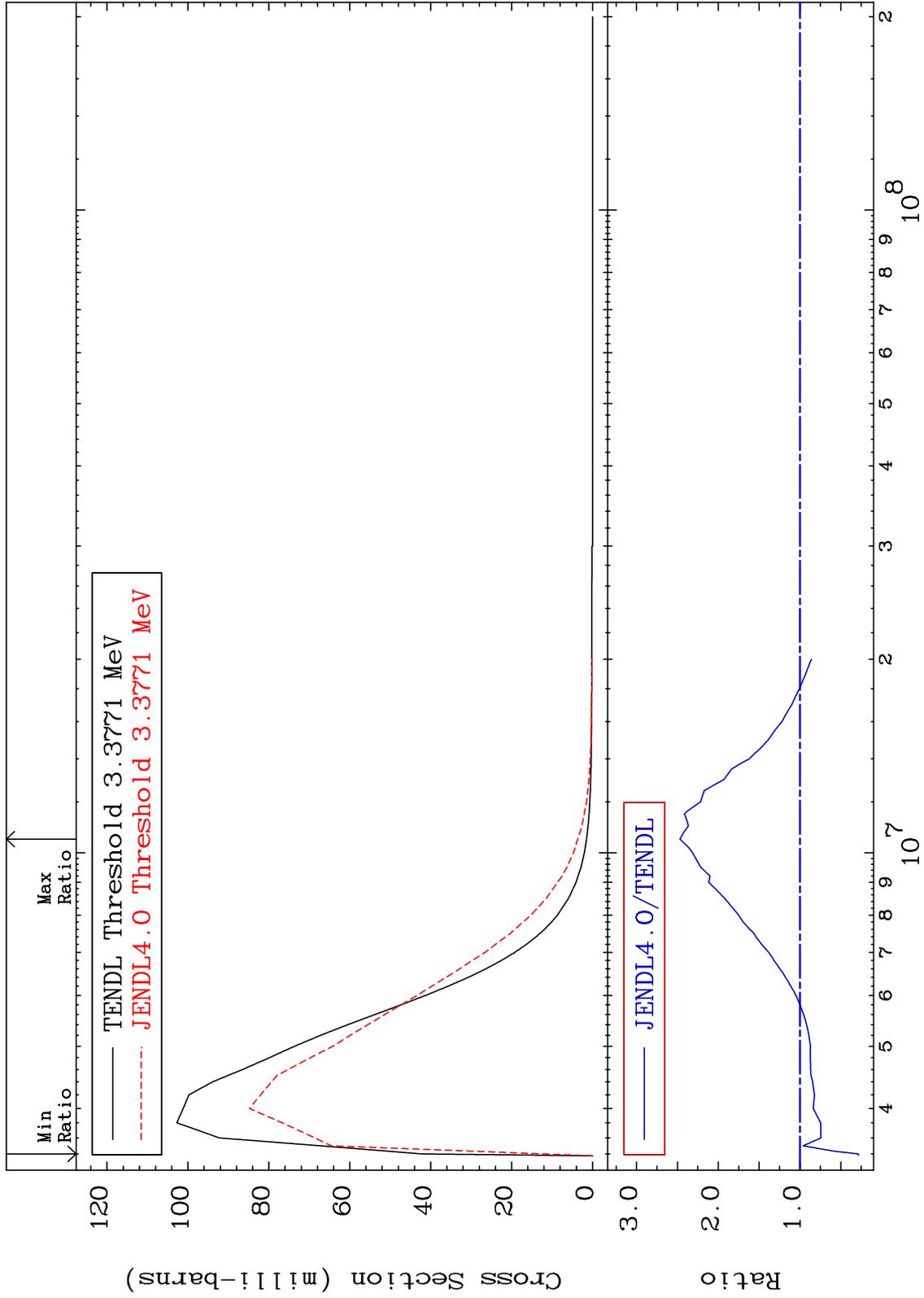
20-Ca-44  
-46.23 To 195.8 %



MAT 2037

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

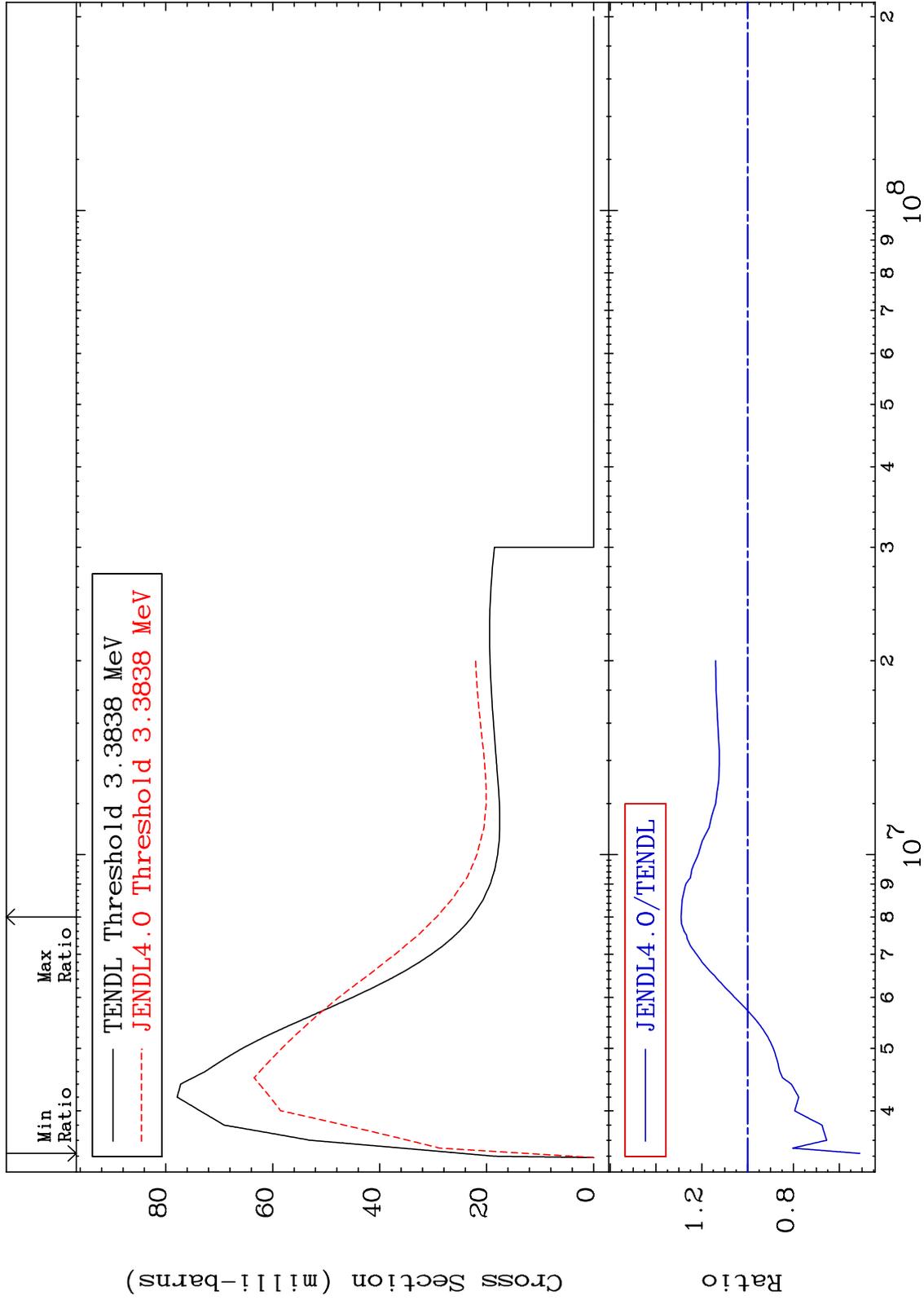
20-Ca-44  
-71.46 To 146.9 %



MAT 2037

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

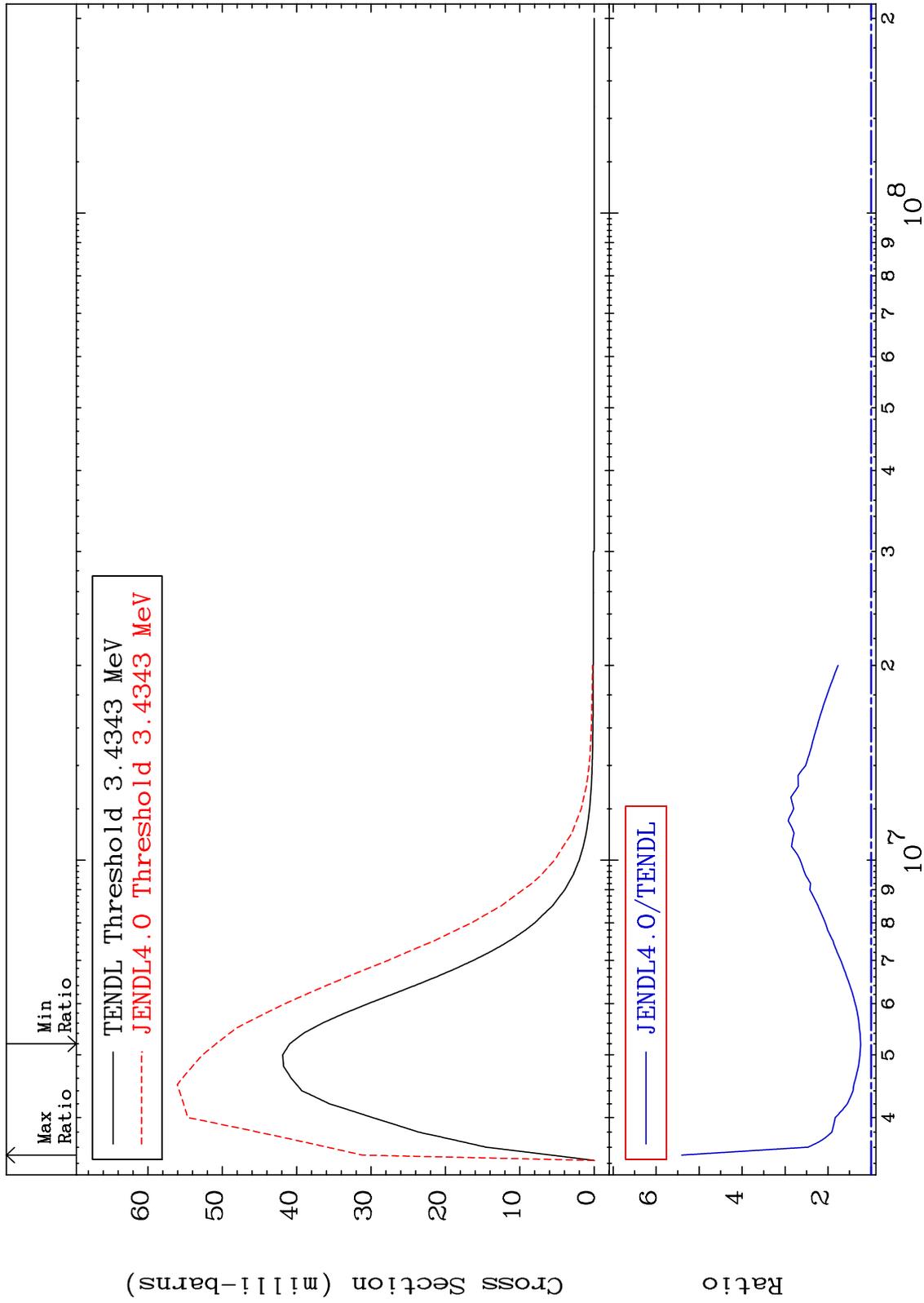
20-Ca-44  
-49.03 To 29.03 %



MAT 2037

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

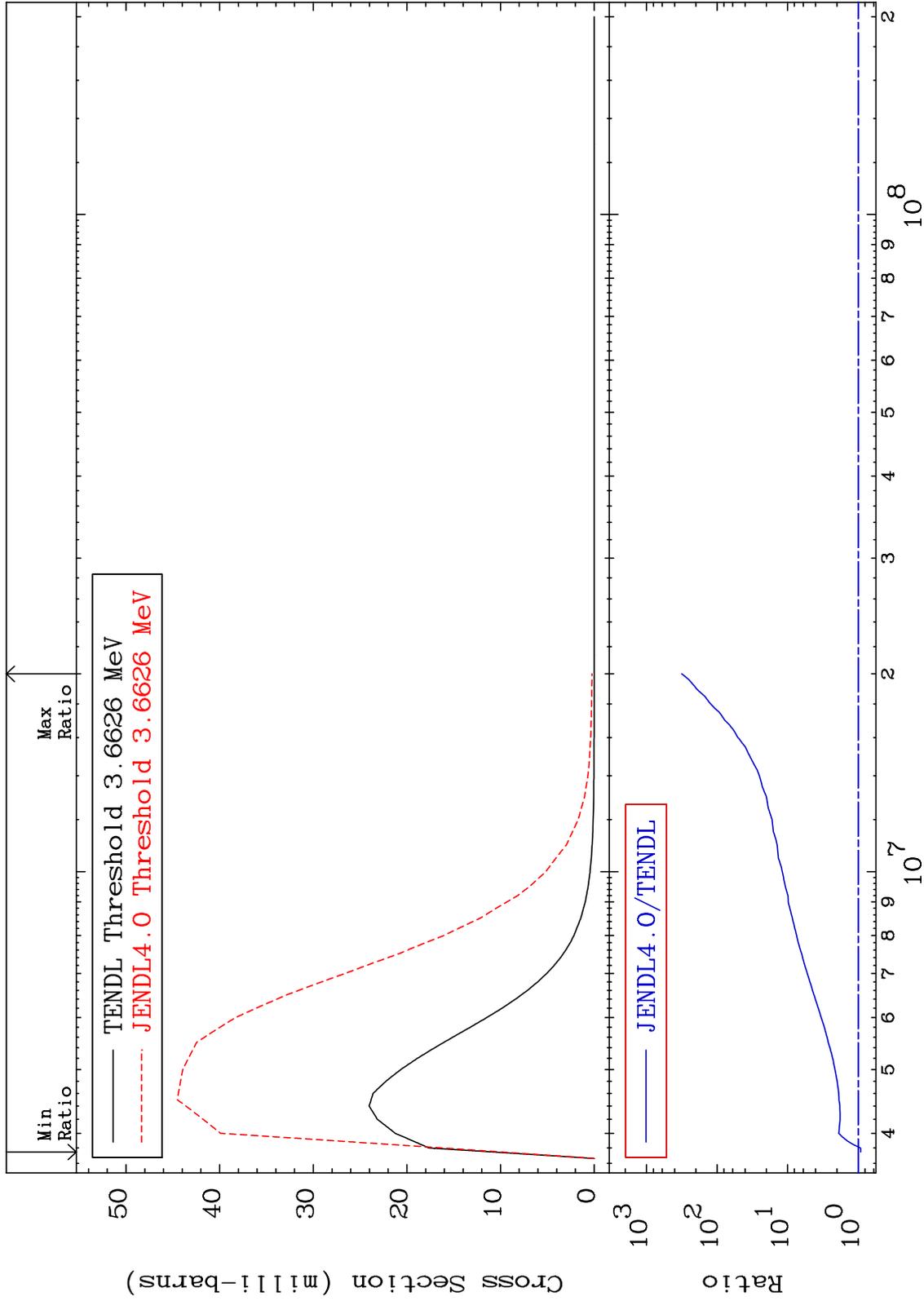
24.19 To 440.4 %  
20-Ca-44



MAT 2037

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

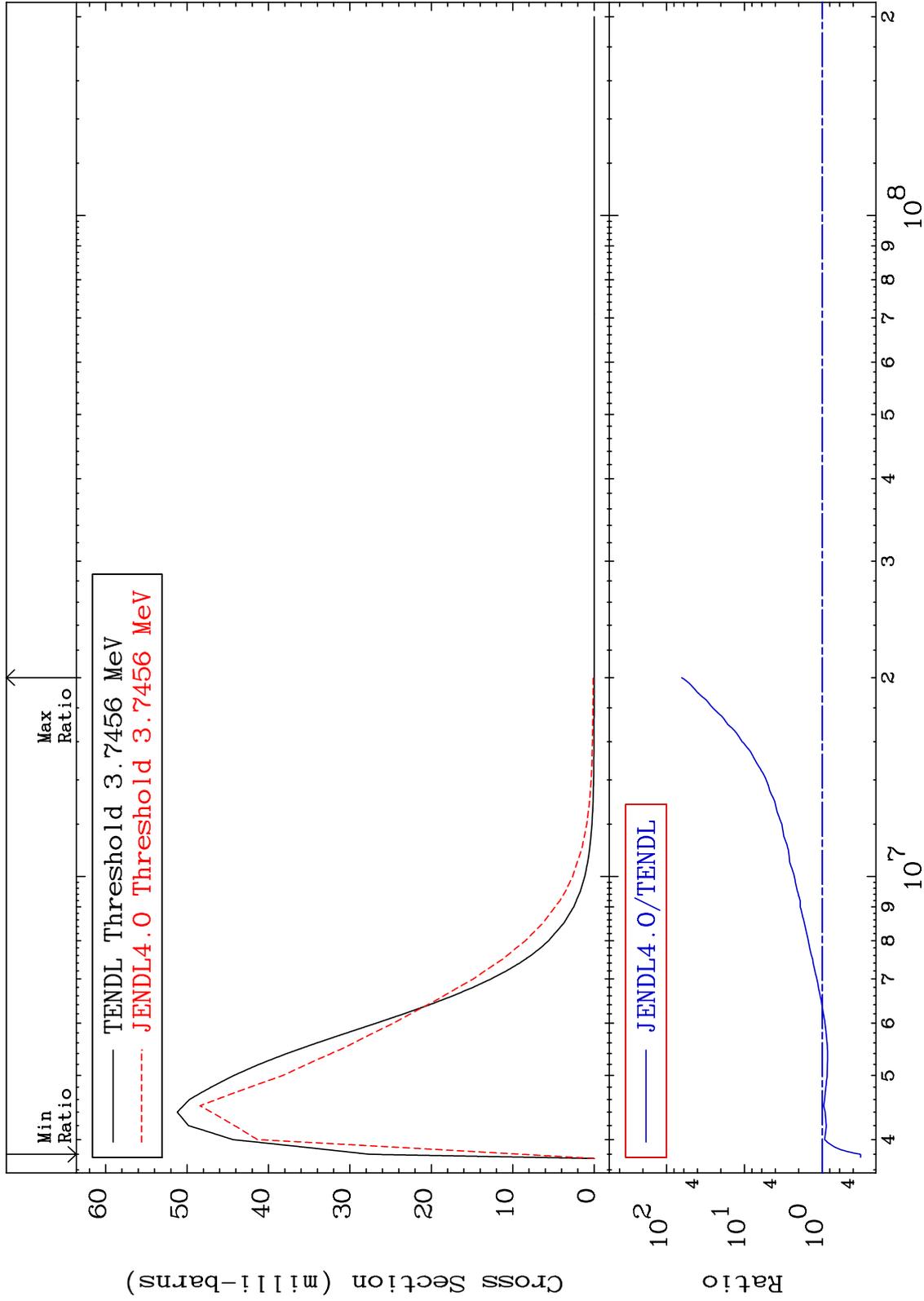
20-Ca-44  
-7.983 To 9999. %



MAT 2037

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

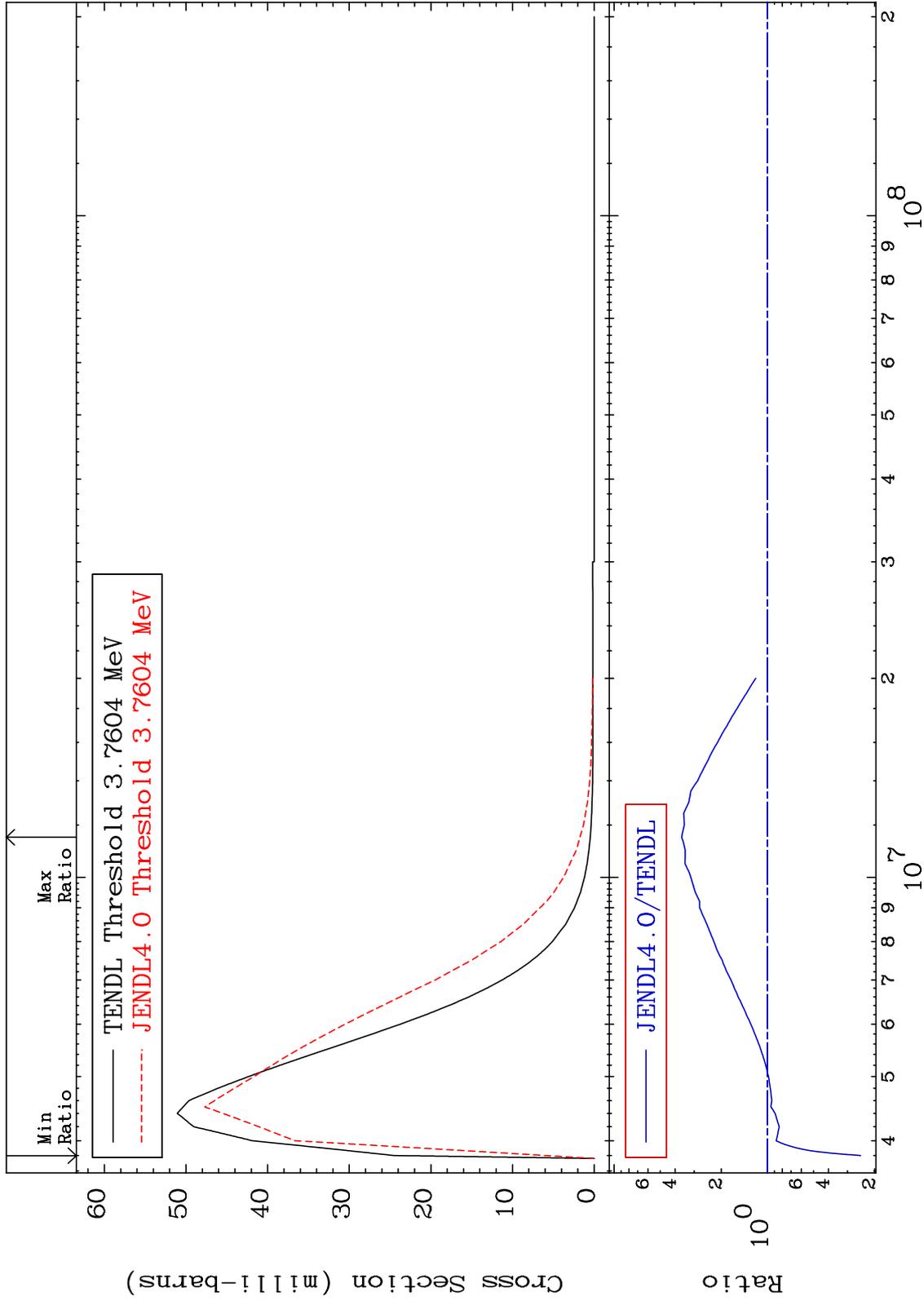
20-Ca-44  
-67.87 To 6270. %



MAT 2037

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

20-Ca-44  
-75.38 To 261.8 %



18

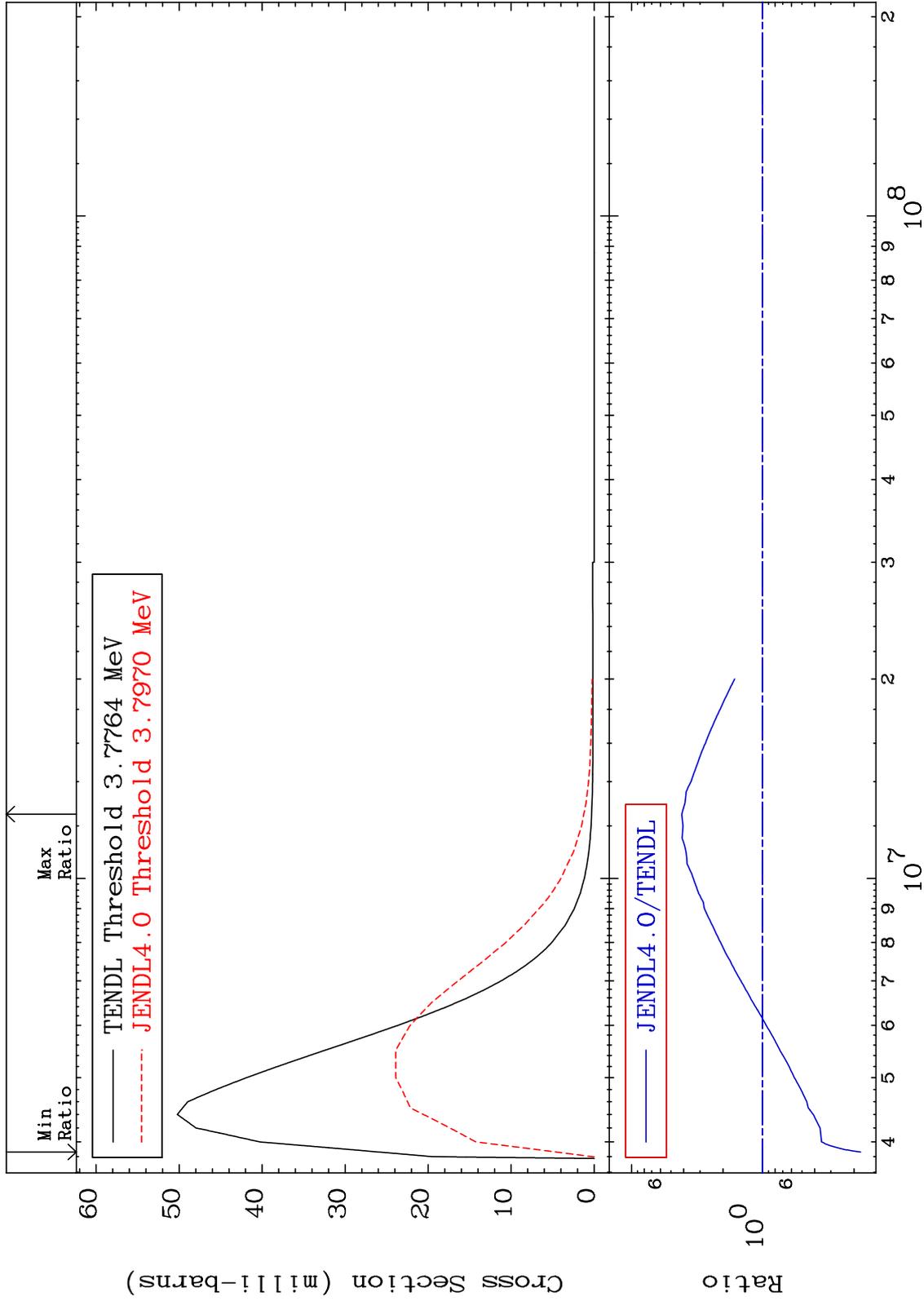
Incident Energy (eV)

20-Ca-44

MAT 2037

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

20-Ca-44  
-82.21 To 313.4 %



19

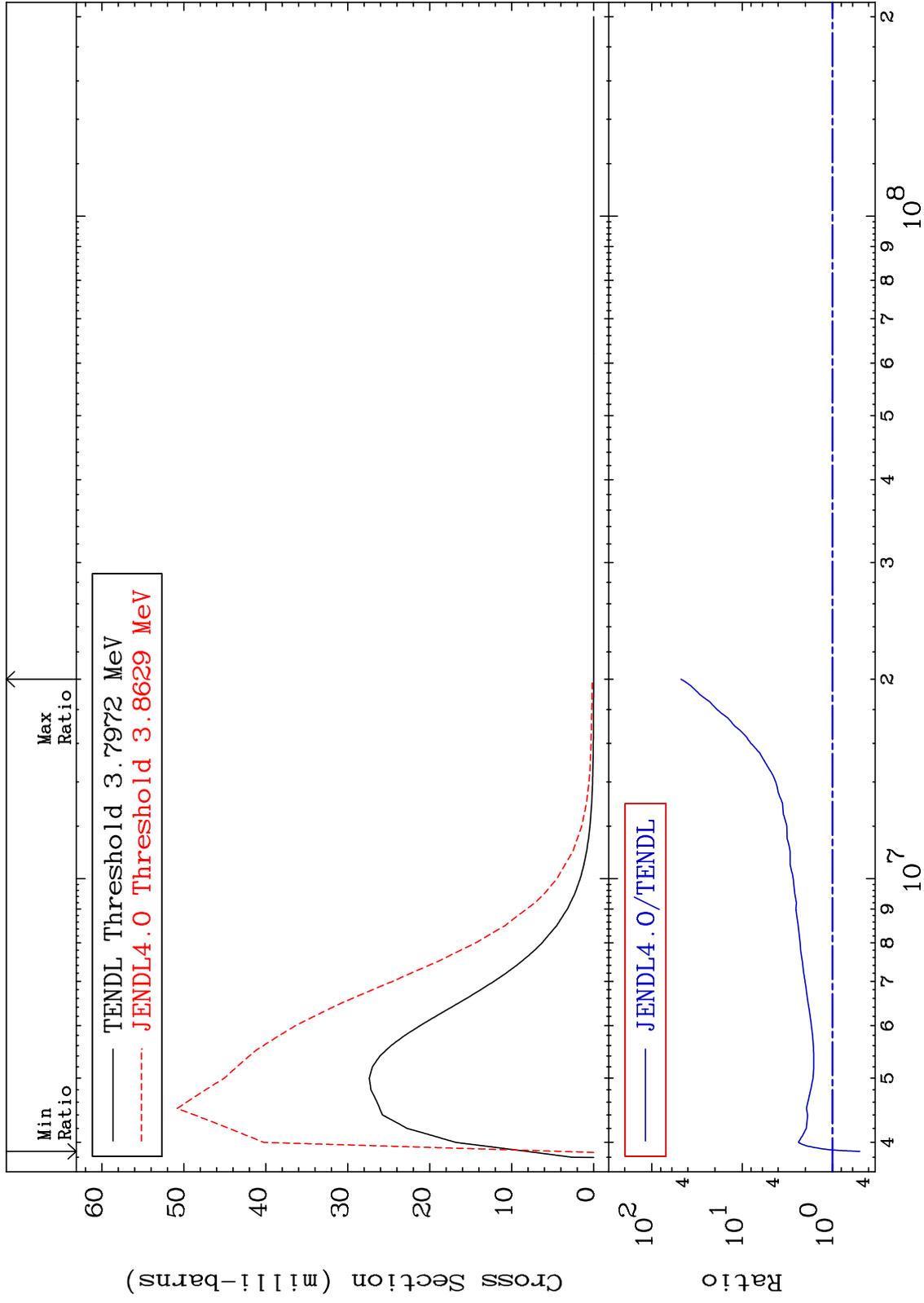
Incident Energy (eV)

20-Ca-44

MAT 2037

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

20-Ca-44  
-50.17 To 4644. %



20

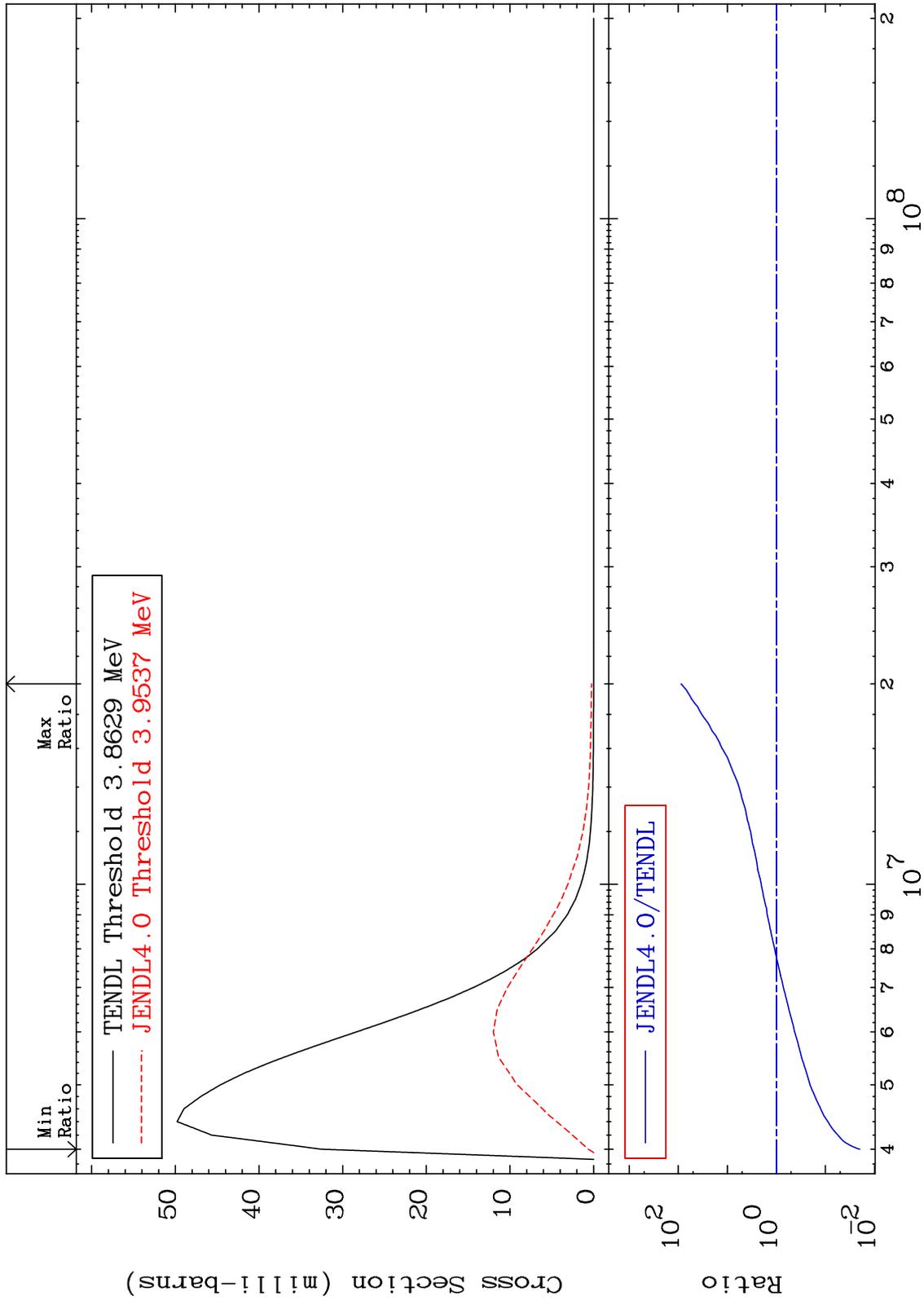
Incident Energy (eV)

20-Ca-44

MAT 2037

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

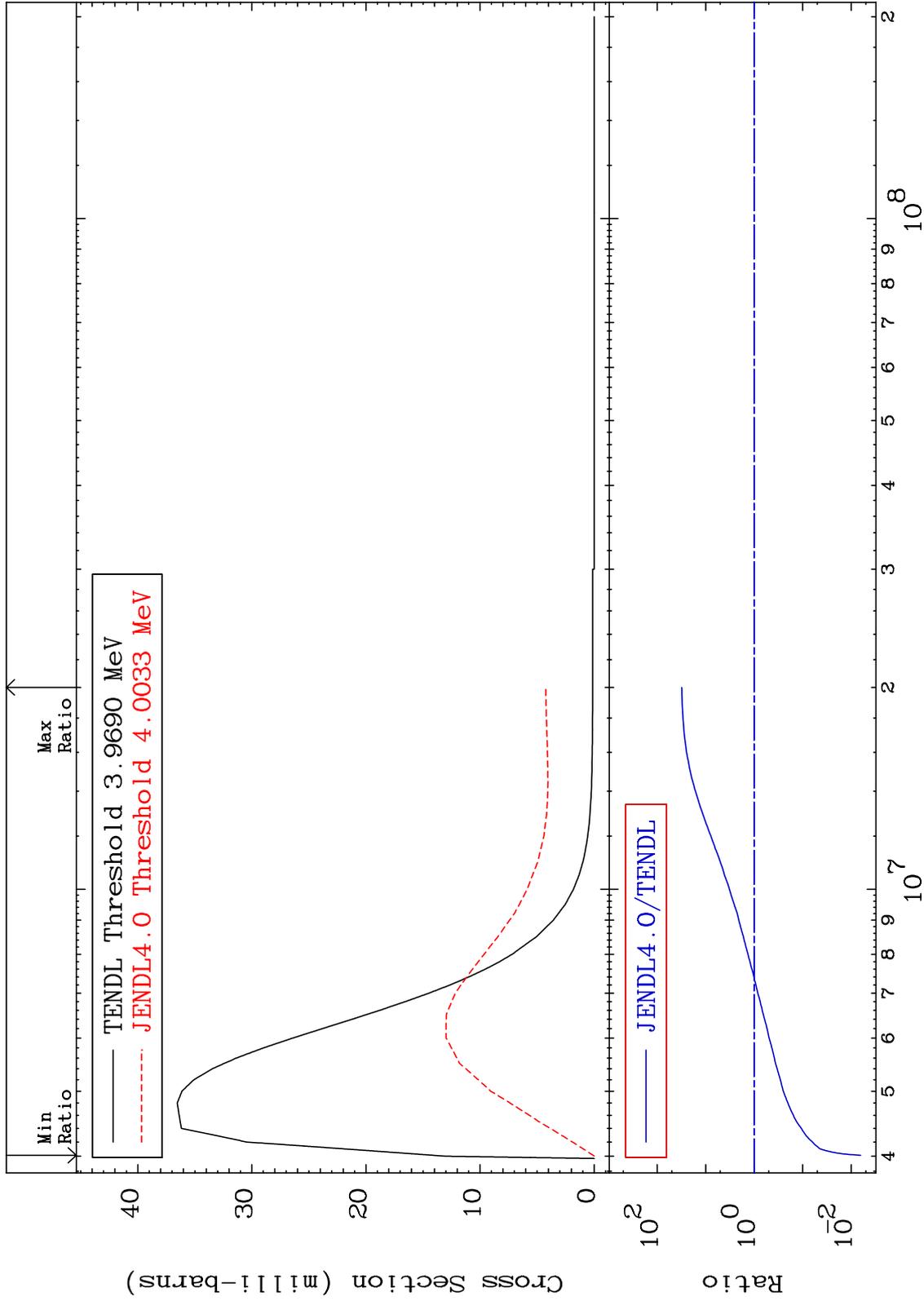
20-Ca-44  
-98.02 To 8657. %



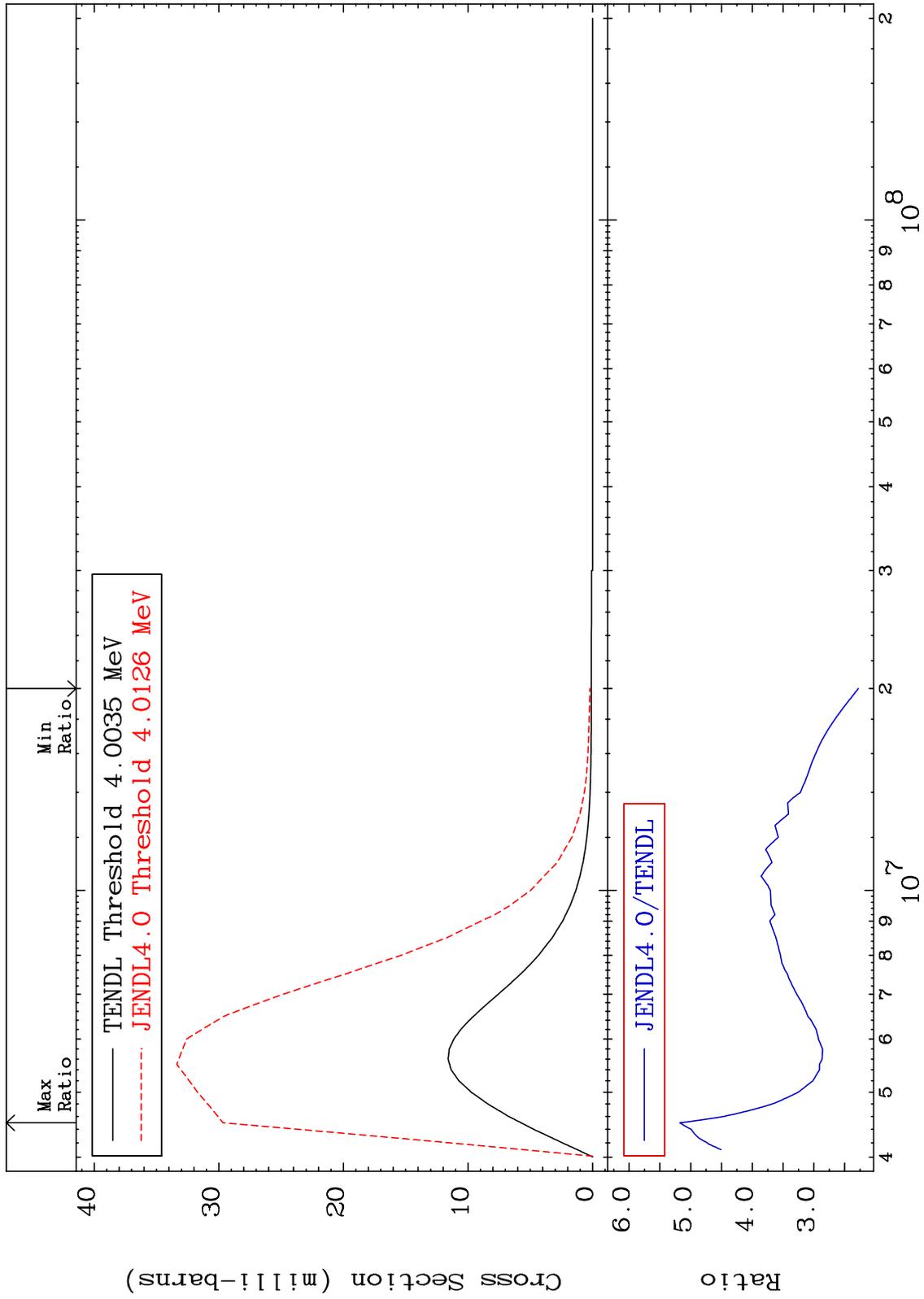
MAT 2037

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

20-Ca-44  
-99.36 To 3013. %



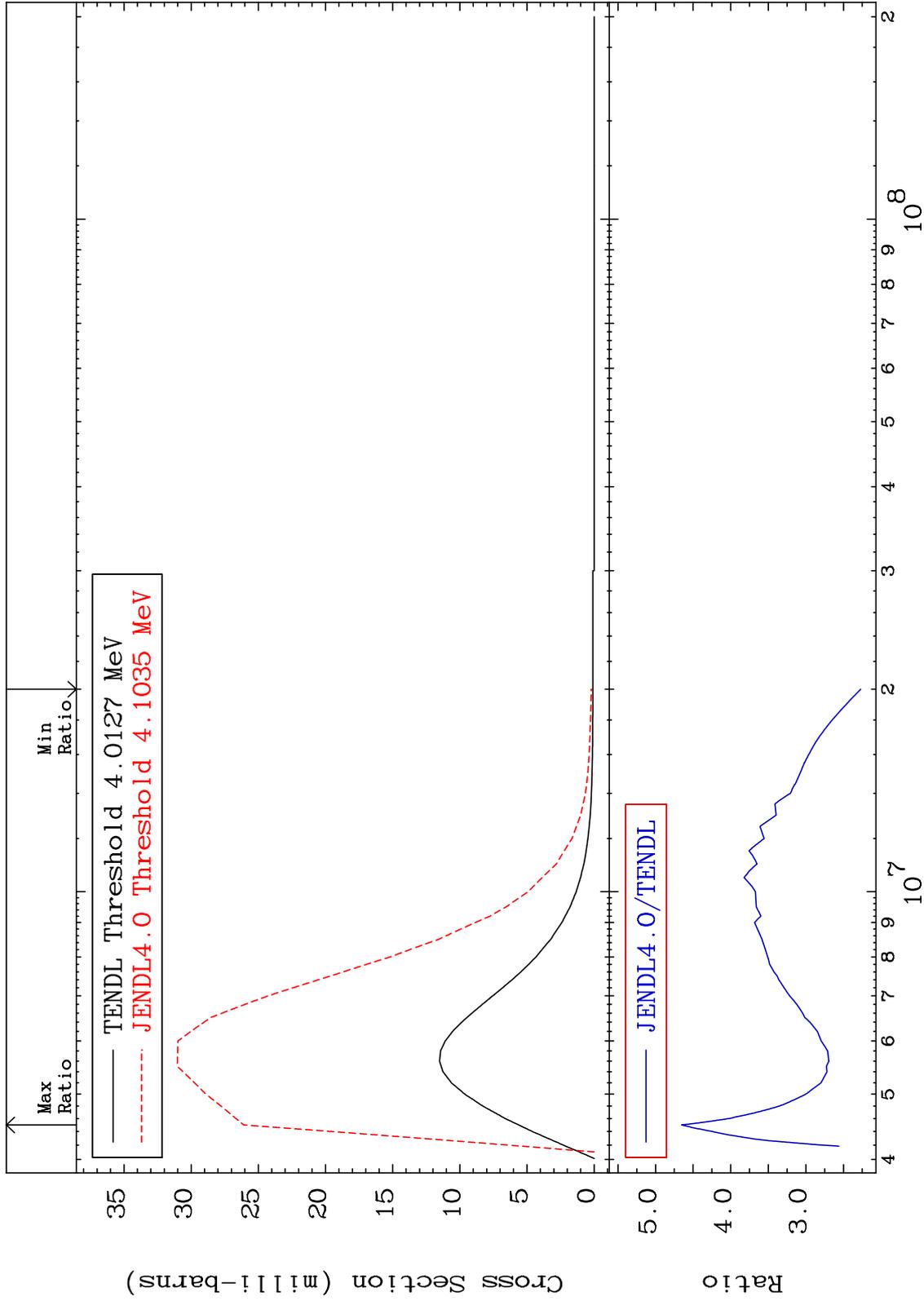
MAT 2037 MT= 67 (n,n') Level Cross Section 20-Ca-44  
 127.8 To 417.5 %



MAT 2037

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

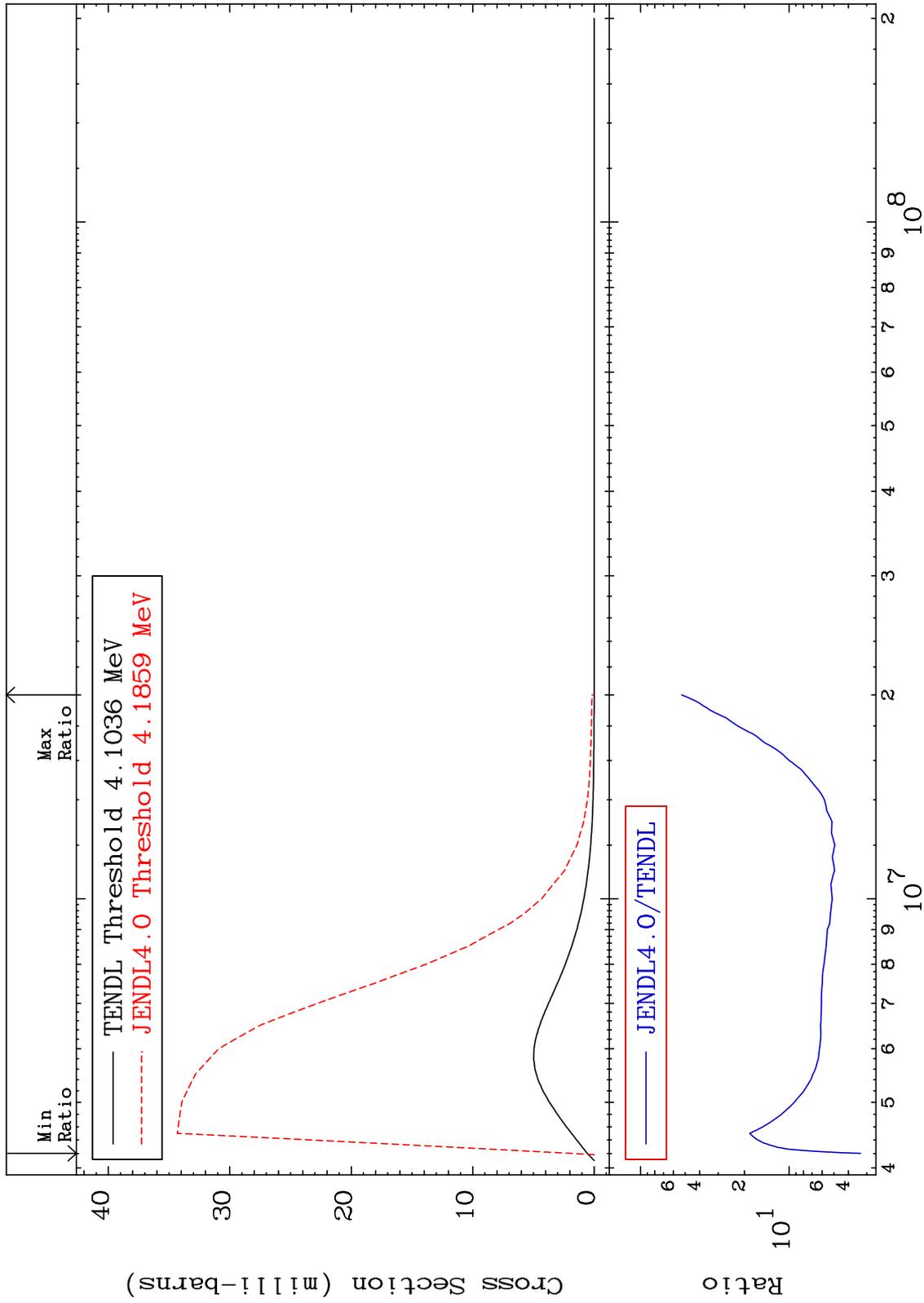
127.1 To 365.1 %  
20-Ca-44



MAT 2037

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

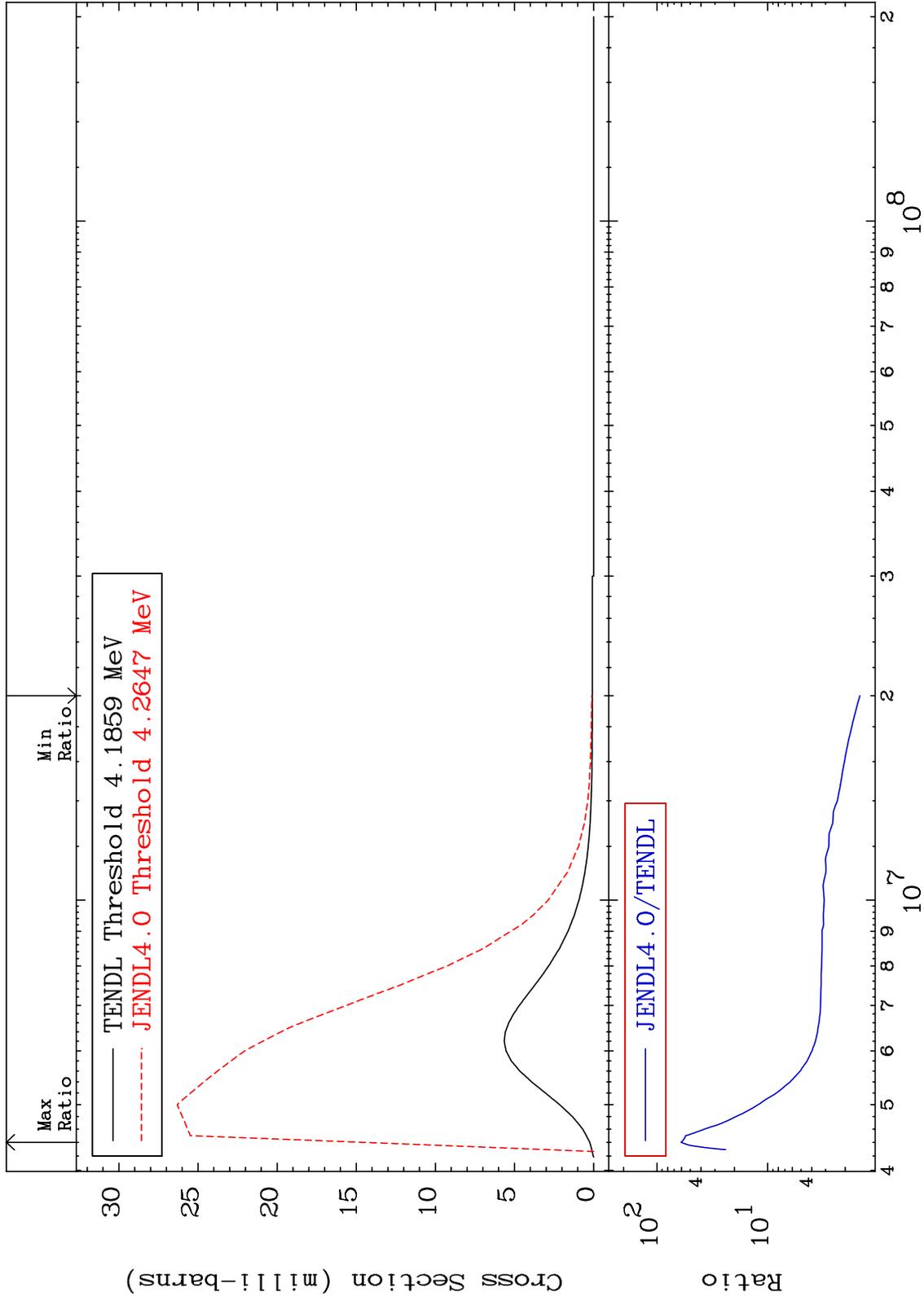
20-Ca-44  
230.1 To 5176. %



MAT 2037

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

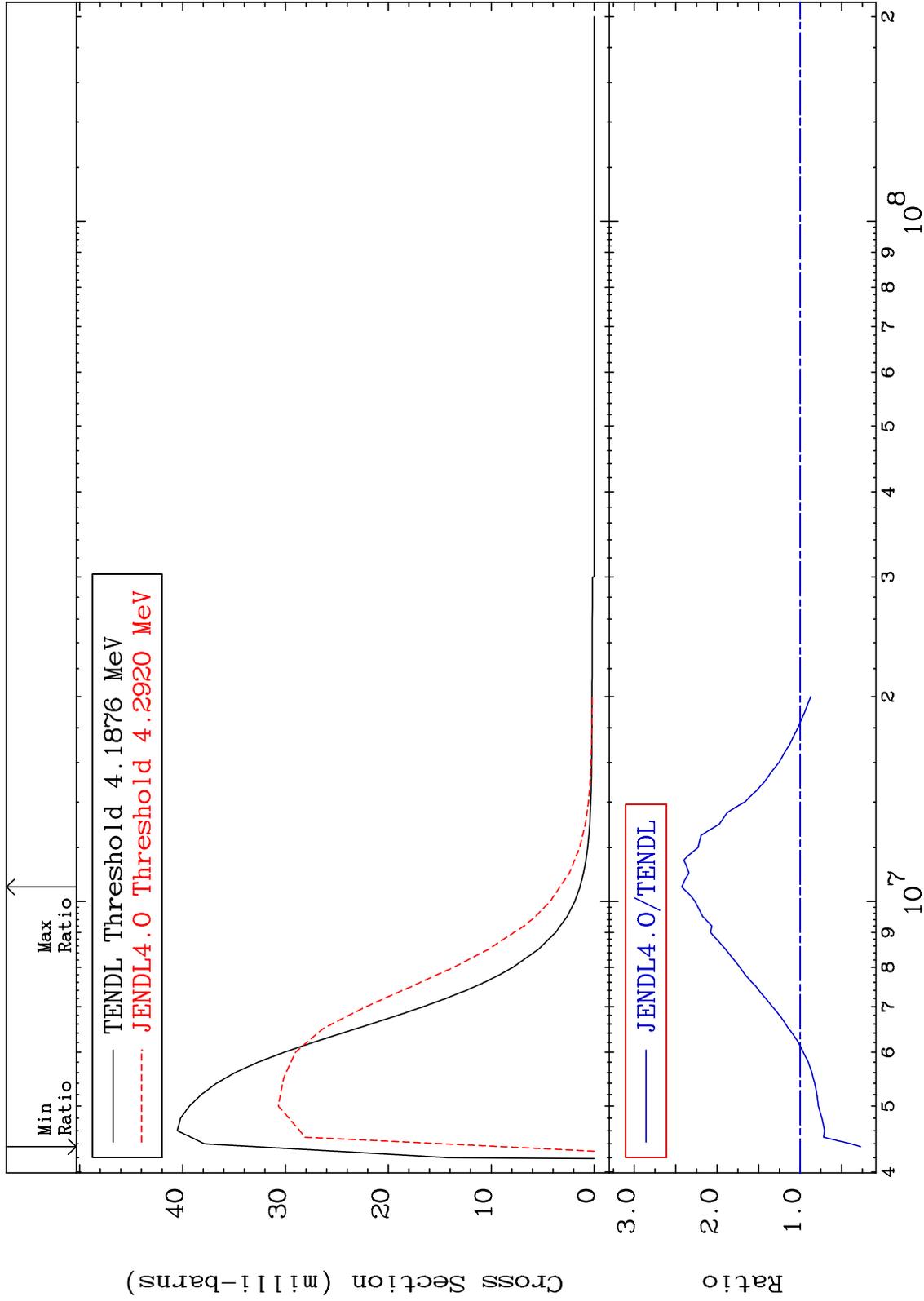
20-Ca-44  
47.12 To 5946. %



MAT 2037

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

20-Ca-44  
-72.91 To 142.7 %



27

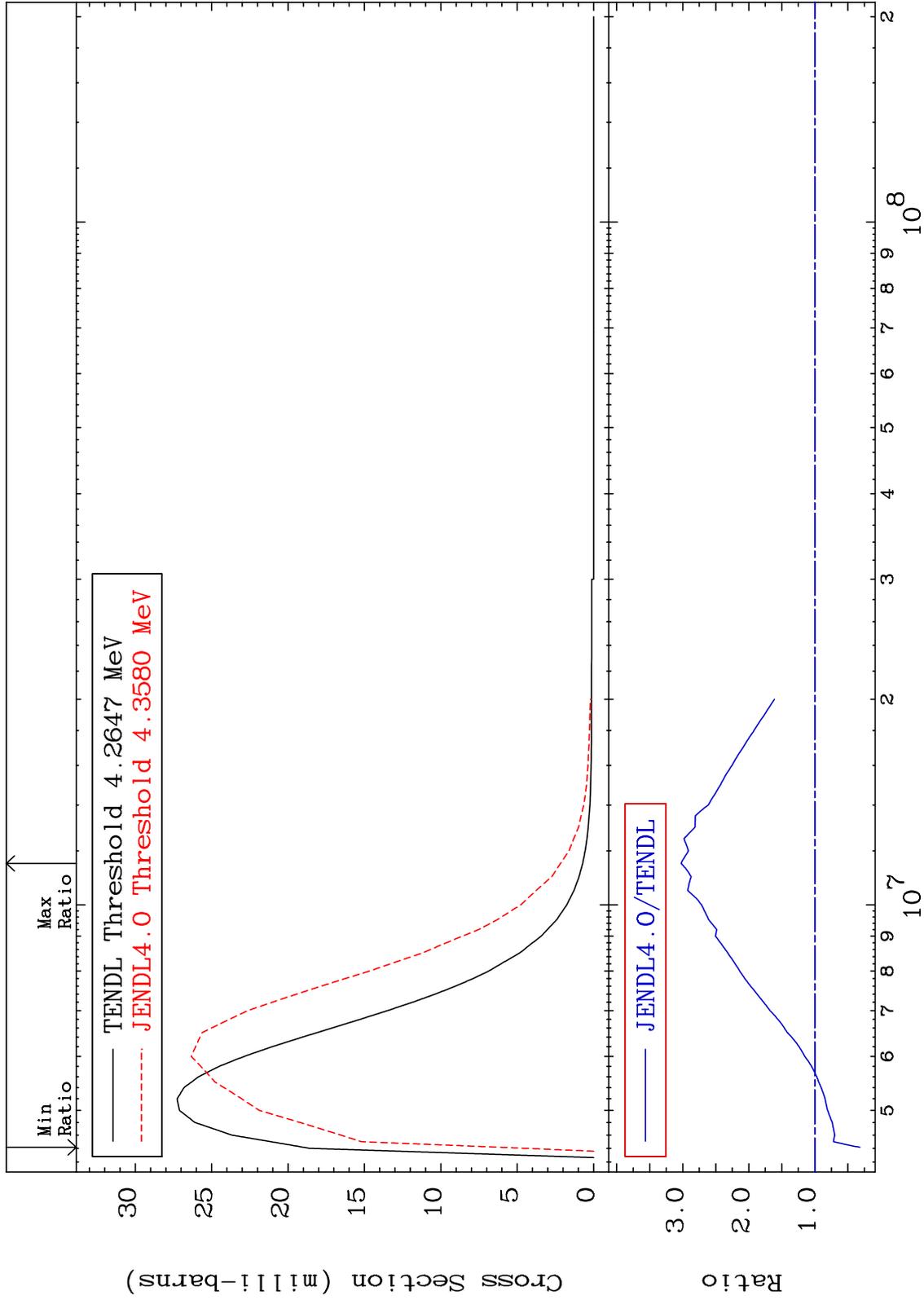
Incident Energy (eV)

20-Ca-44

MAT 2037

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

20-Ca-44  
-68.24 To 202.4 %



28

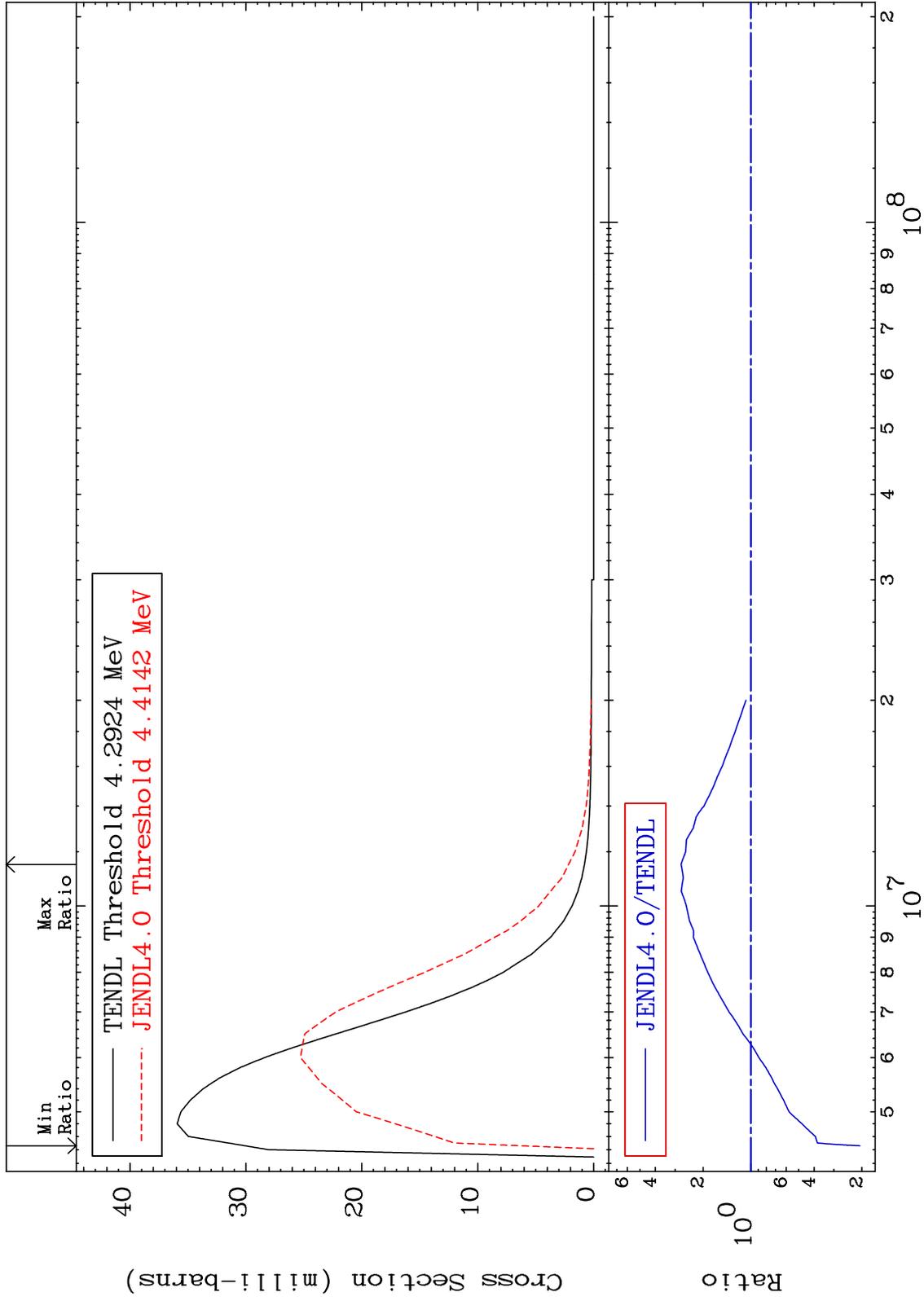
Incident Energy (eV)

20-Ca-44

MAT 2037

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

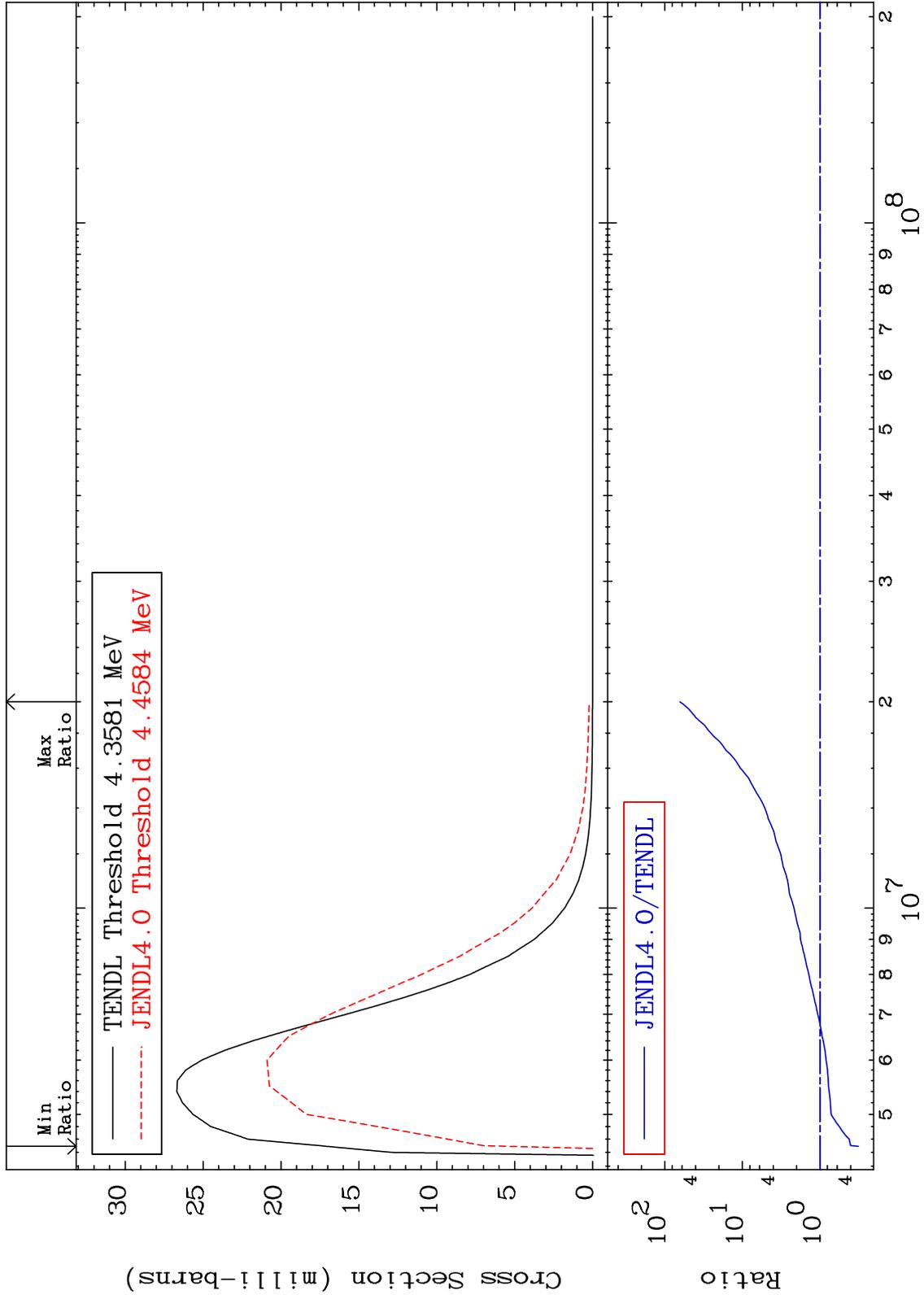
20-Ca-44  
-79.42 To 175.0 %



MAT 2037

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

20-Ca-44  
-68.08 To 6275. %



30

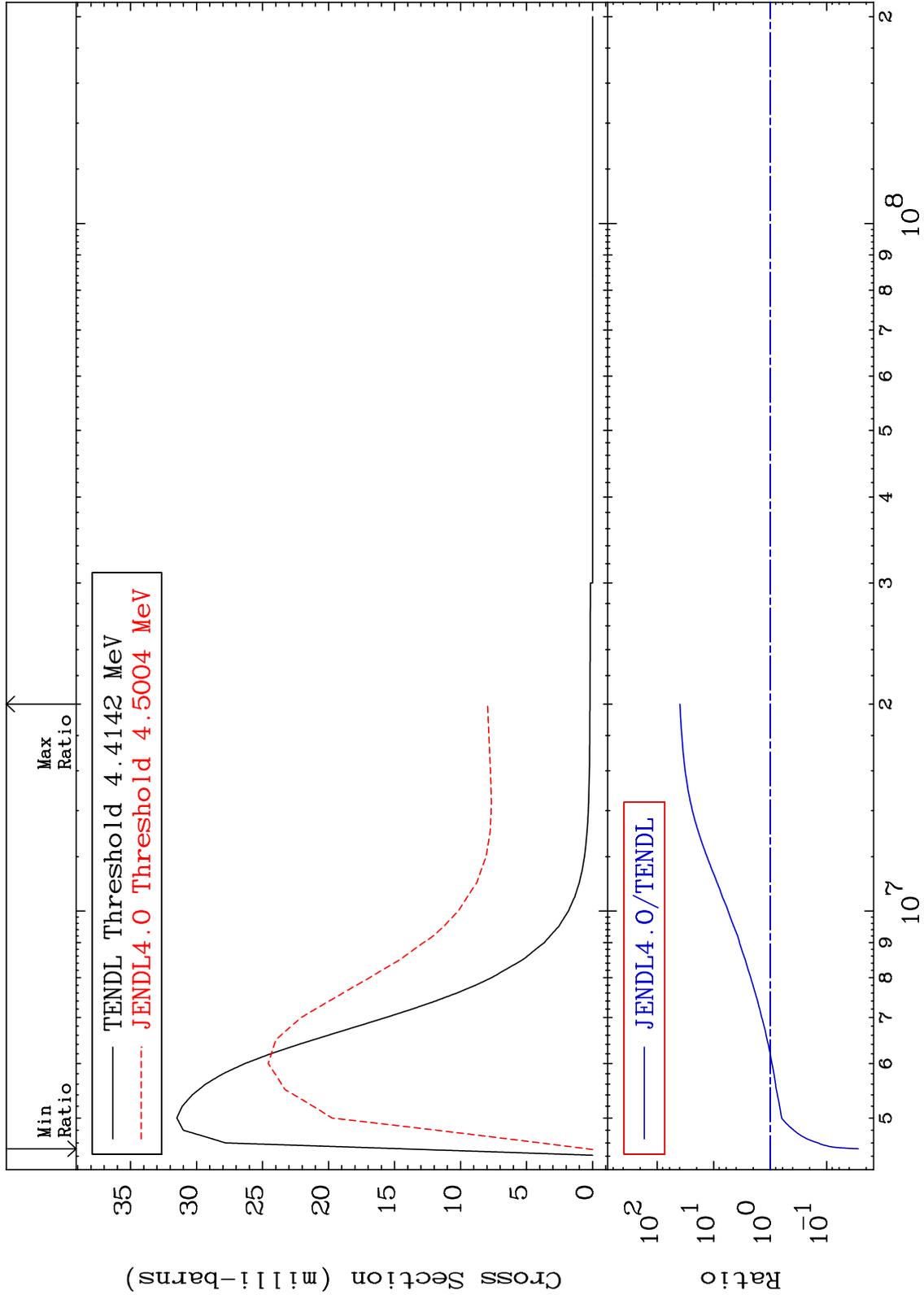
Incident Energy (eV)

20-Ca-44

MAT 2037

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

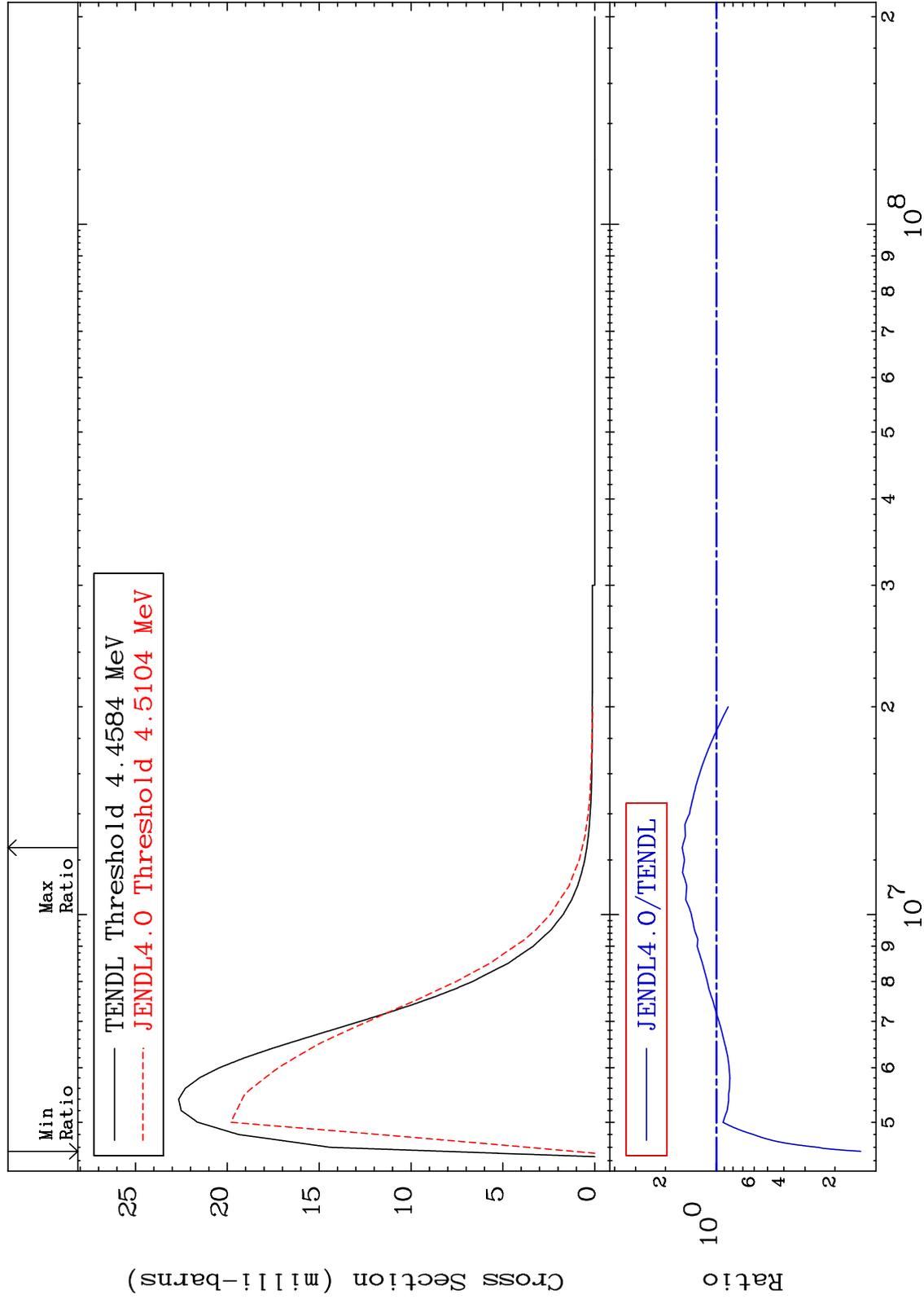
20-Ca-44  
-97.25 To 3849. %



MAT 2037

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

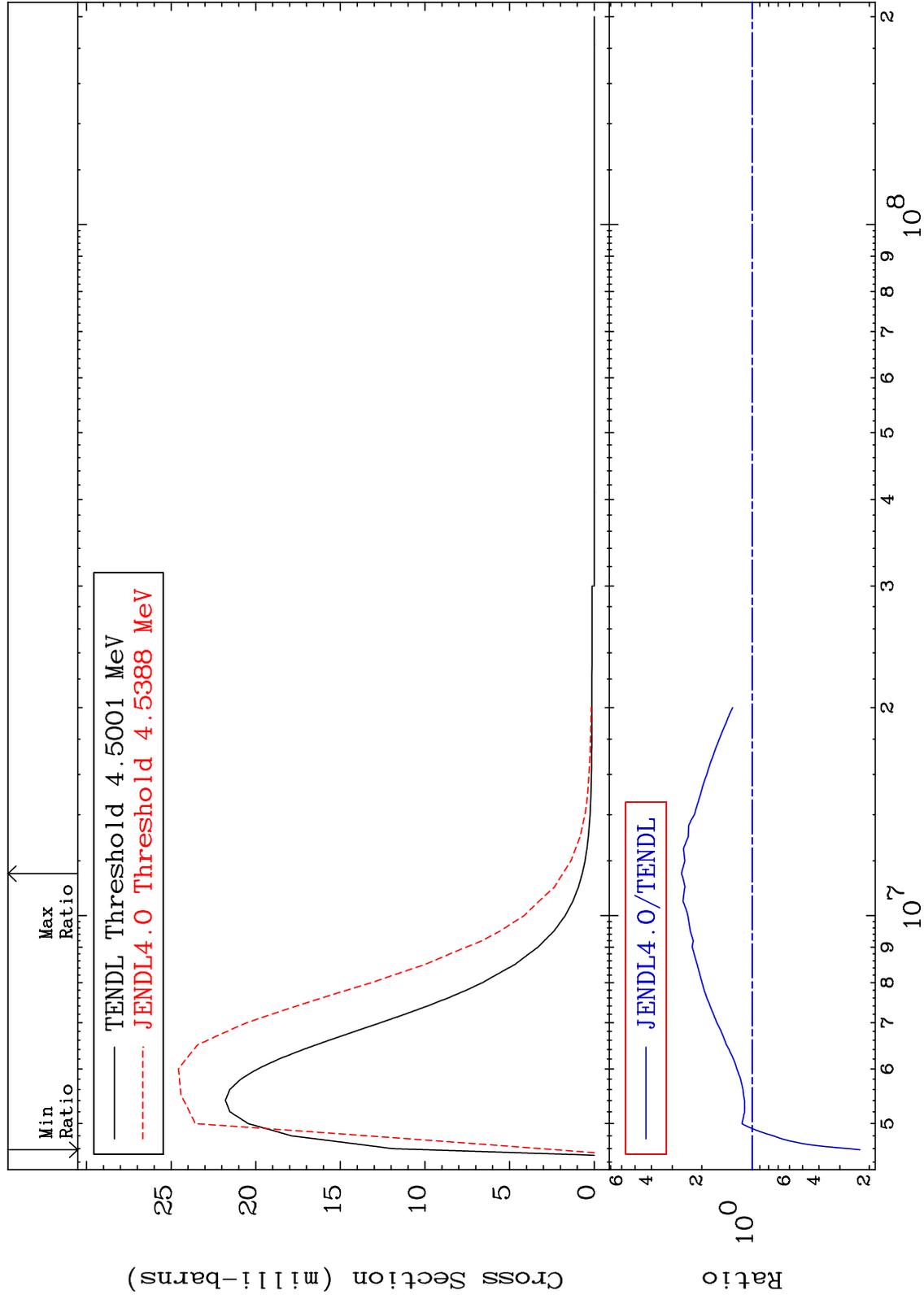
20-Ca-44  
-85.94 To 59.46 %



MAT 2037

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

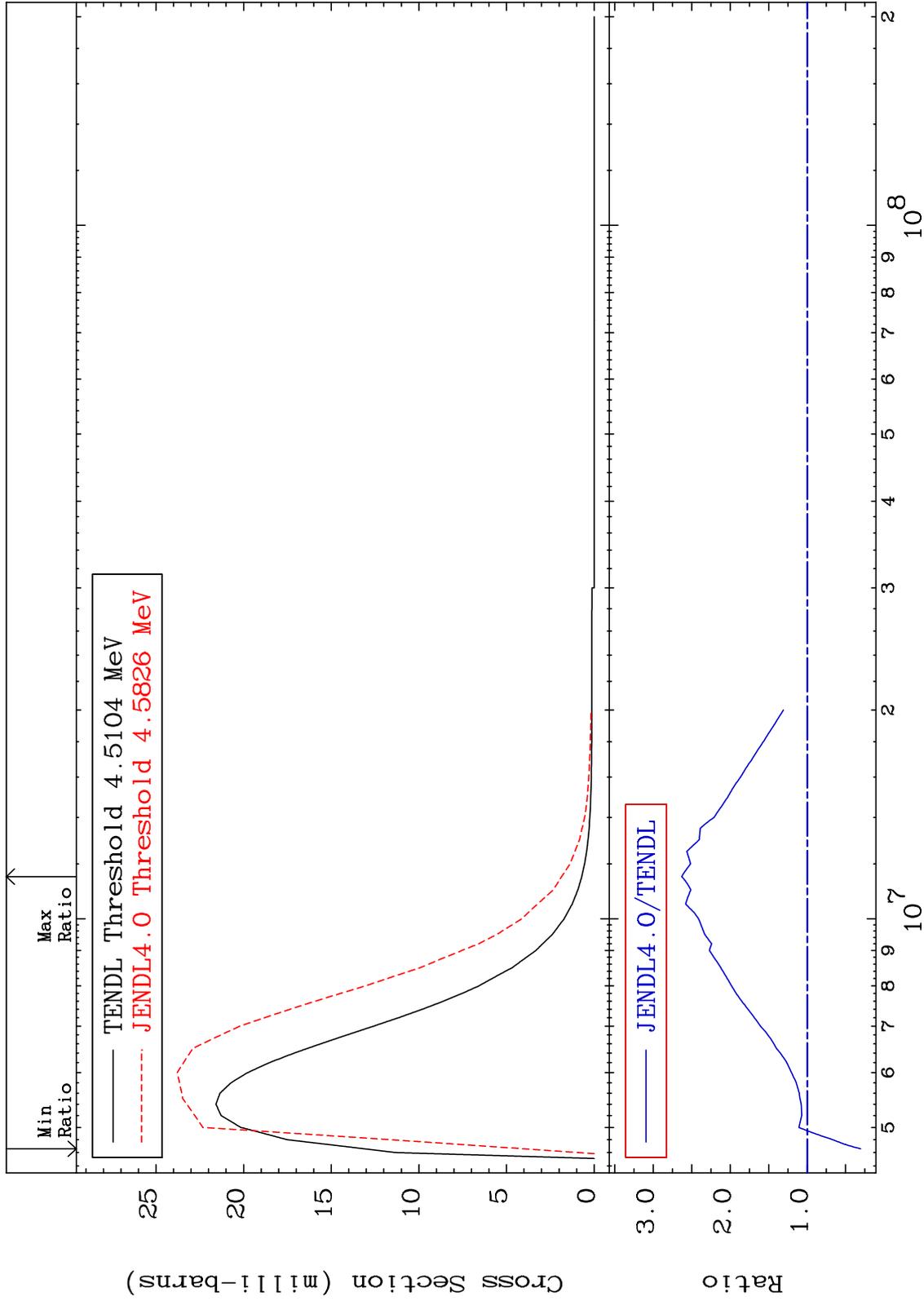
20-Ca-44  
-77.26 To 164.0 %



MAT 2037

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

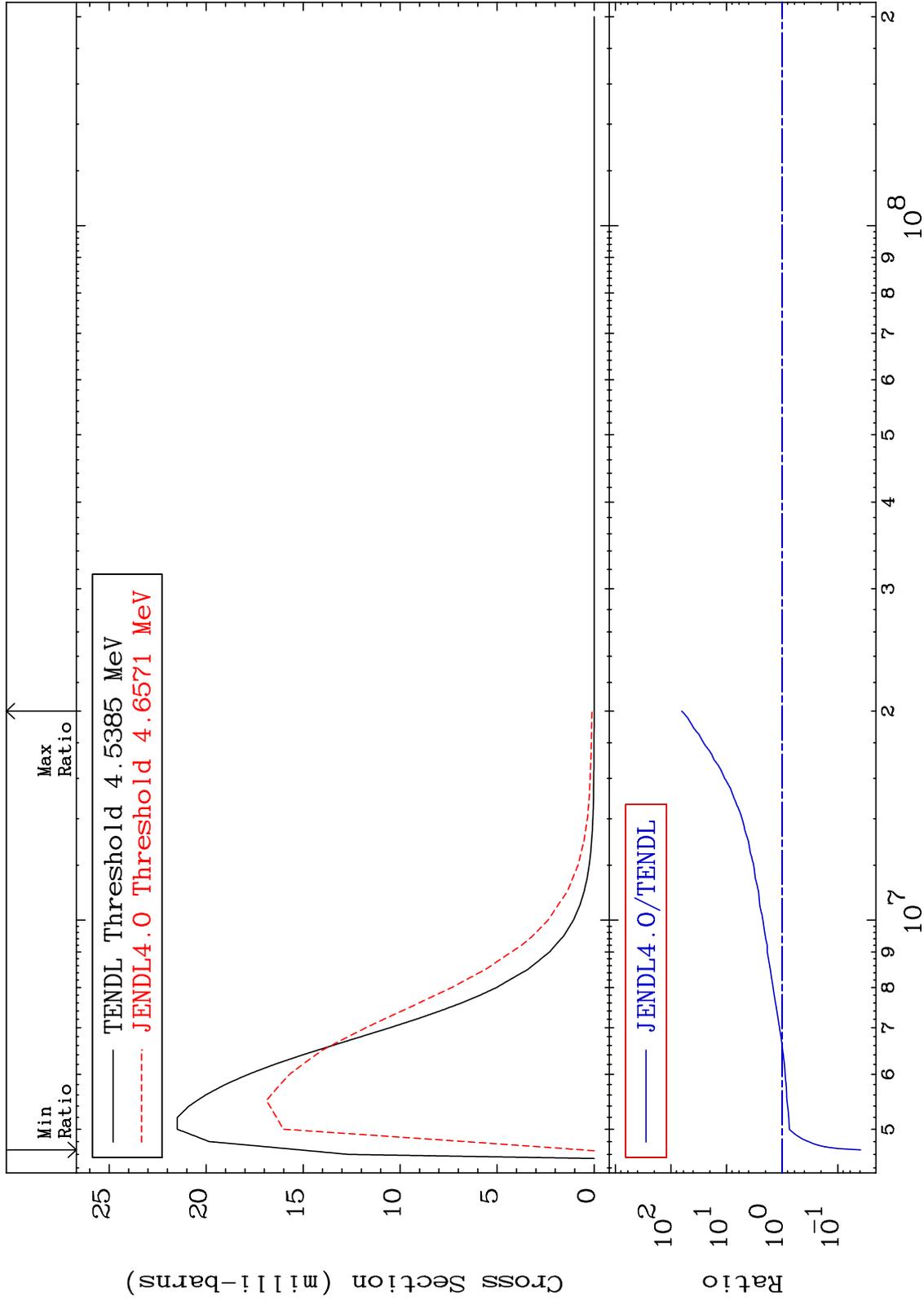
20-Ca-44  
-69.59 To 163.0 %



MAT 2037

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

20-Ca-44  
-96.12 To 6311. %



35

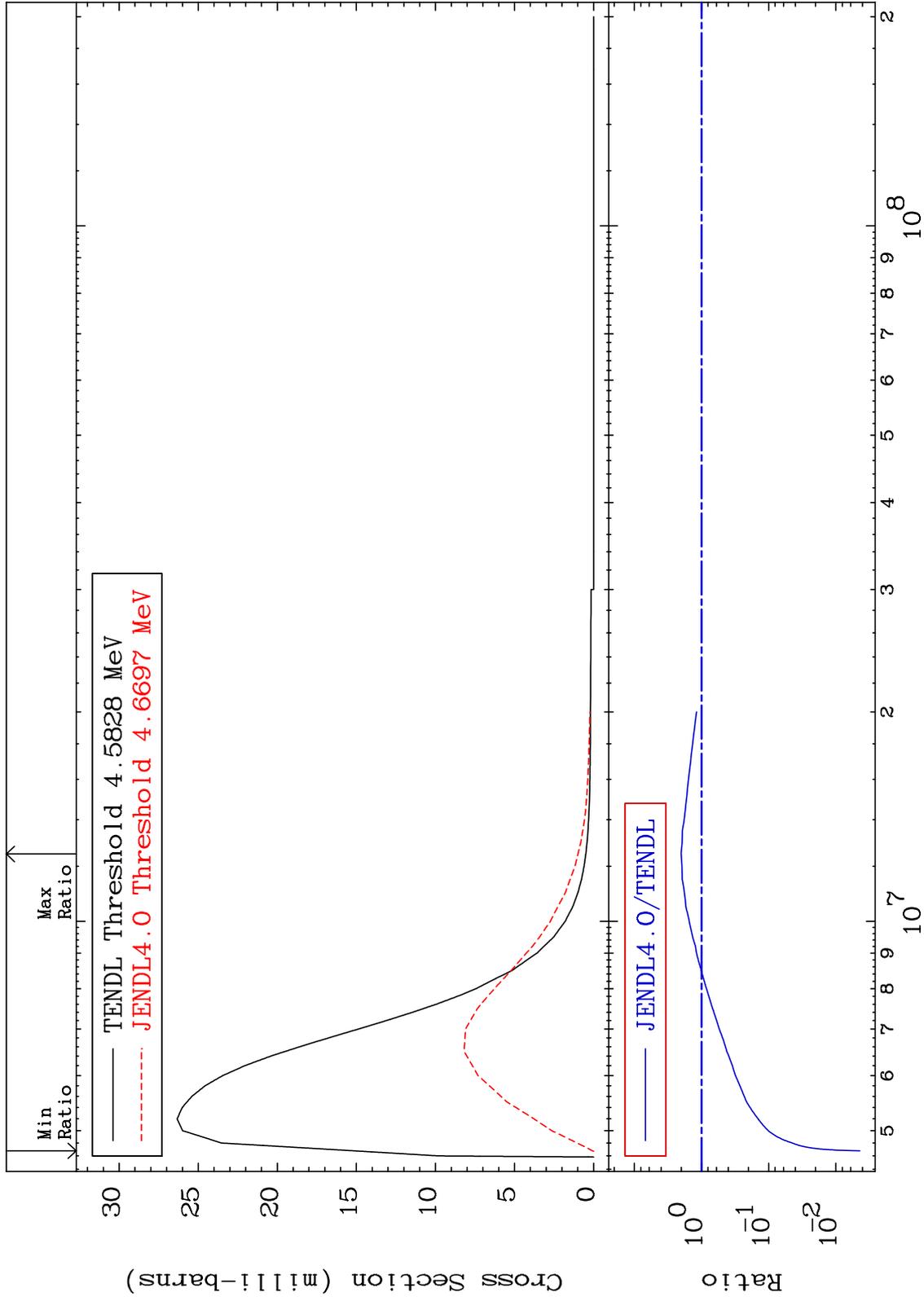
Incident Energy (eV)

20-Ca-44

MAT 2037

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

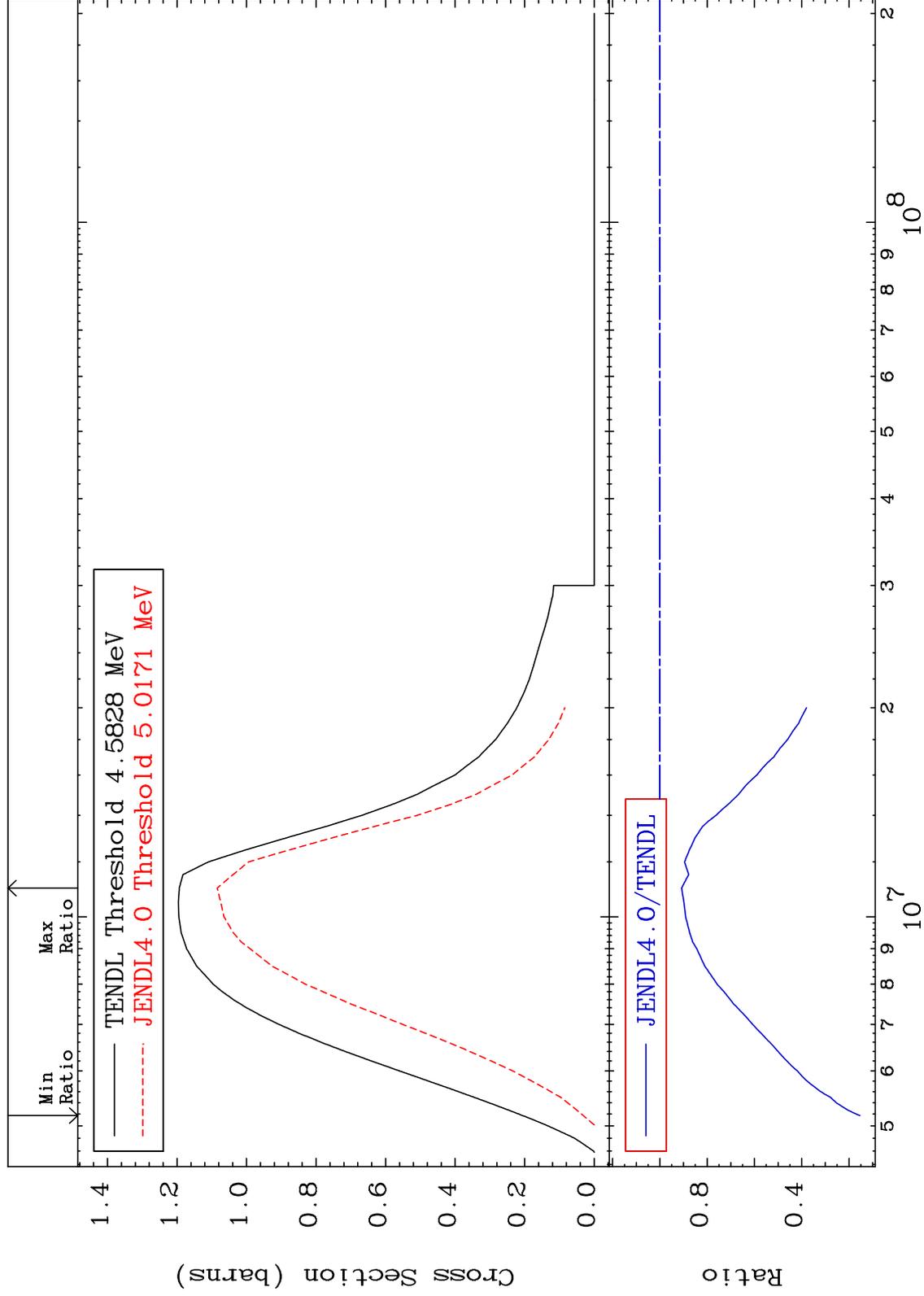
20-Ca-44  
-99.56 To 101.1 %



MAT 2037

(n,n') Continuum  
Cross Section

20-Ca-44  
-84.68 To -9.167%



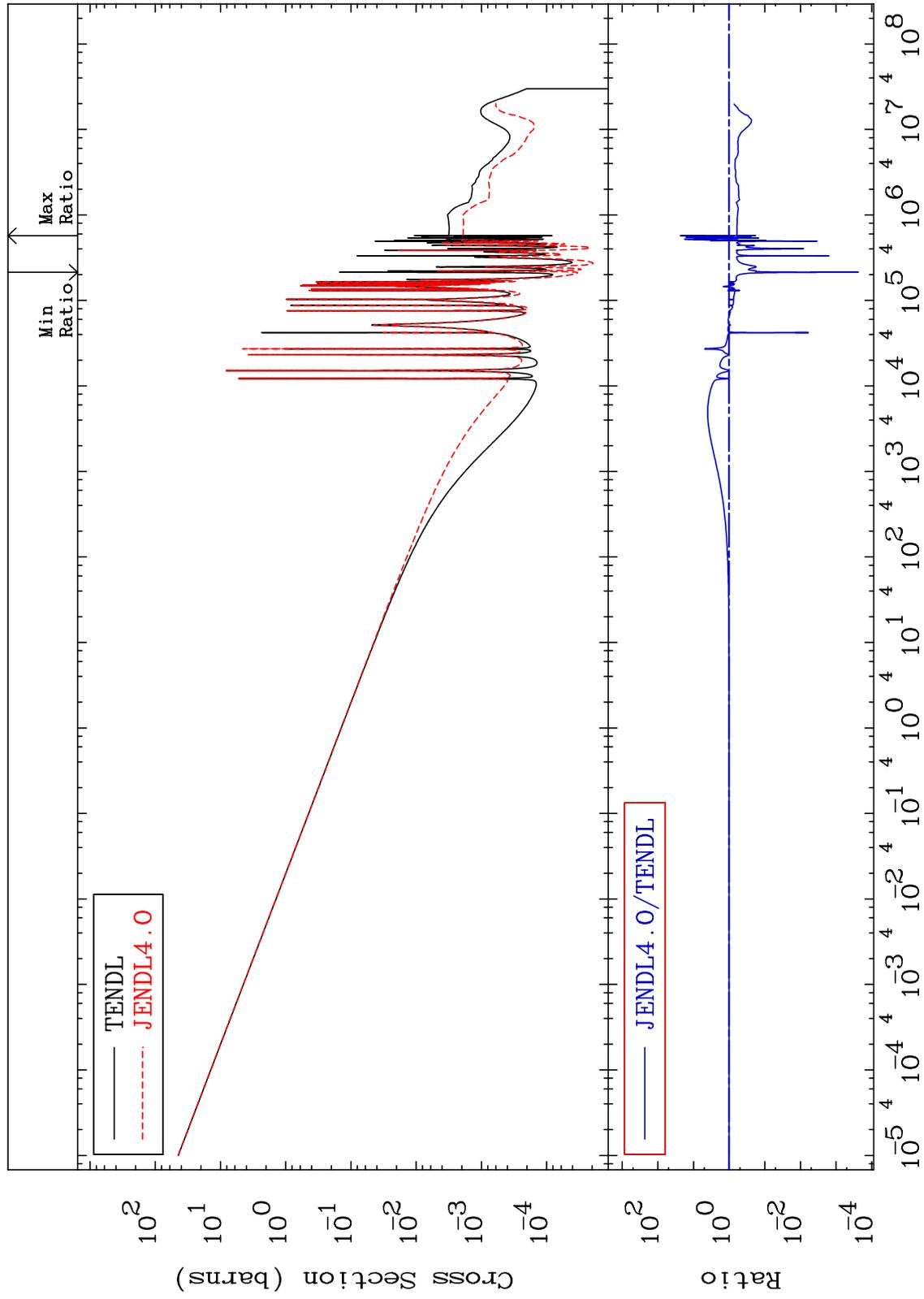
37

MAT 2037

(n,  $\gamma$ )  
Cross Section

20-Ca-44

-99.98 To 2239. %



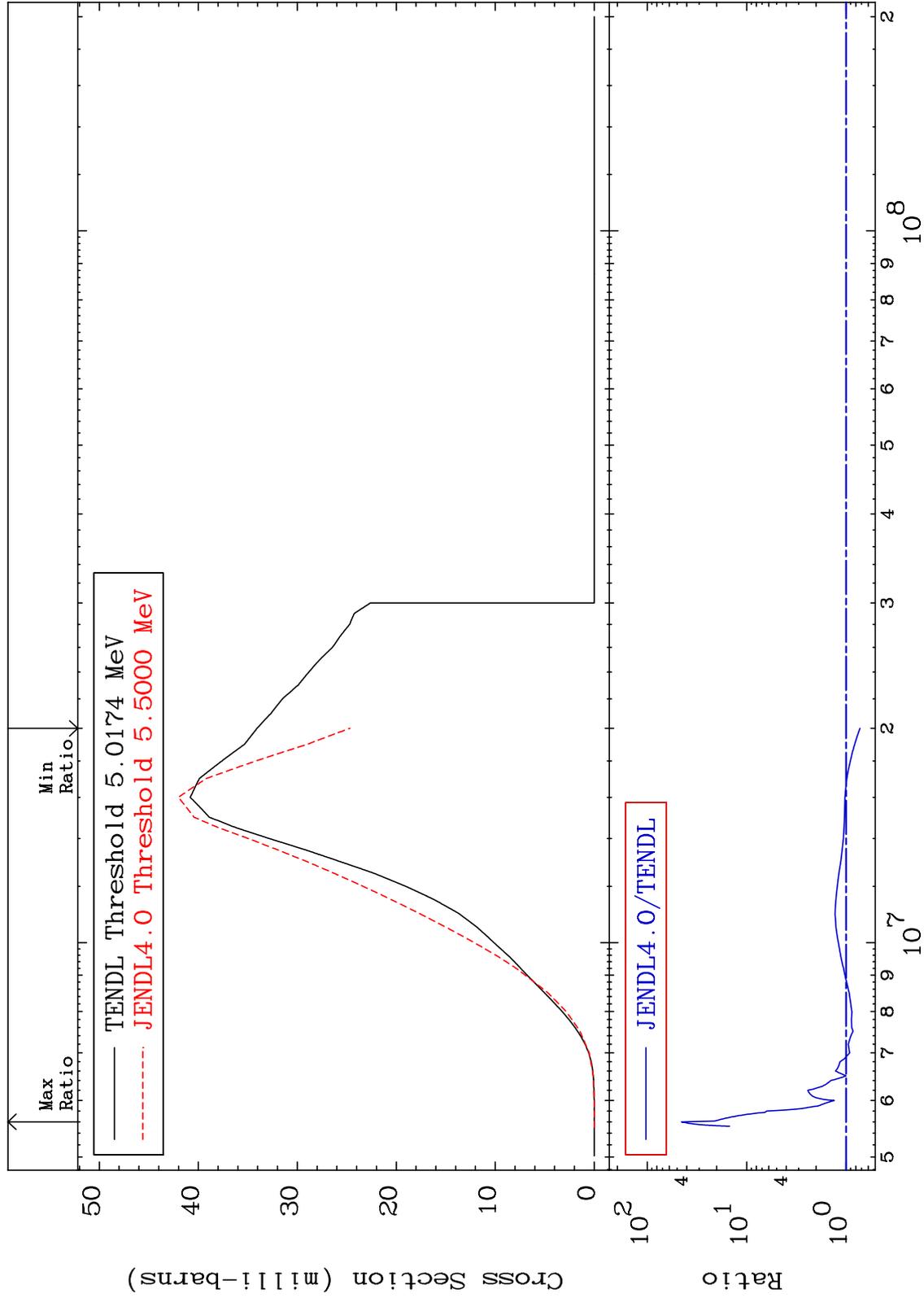
MAT 2037

(n,p)

20-Ca-44

Cross Section

-27.53 To 4414. %



39

Incident Energy (eV)

20-Ca-44

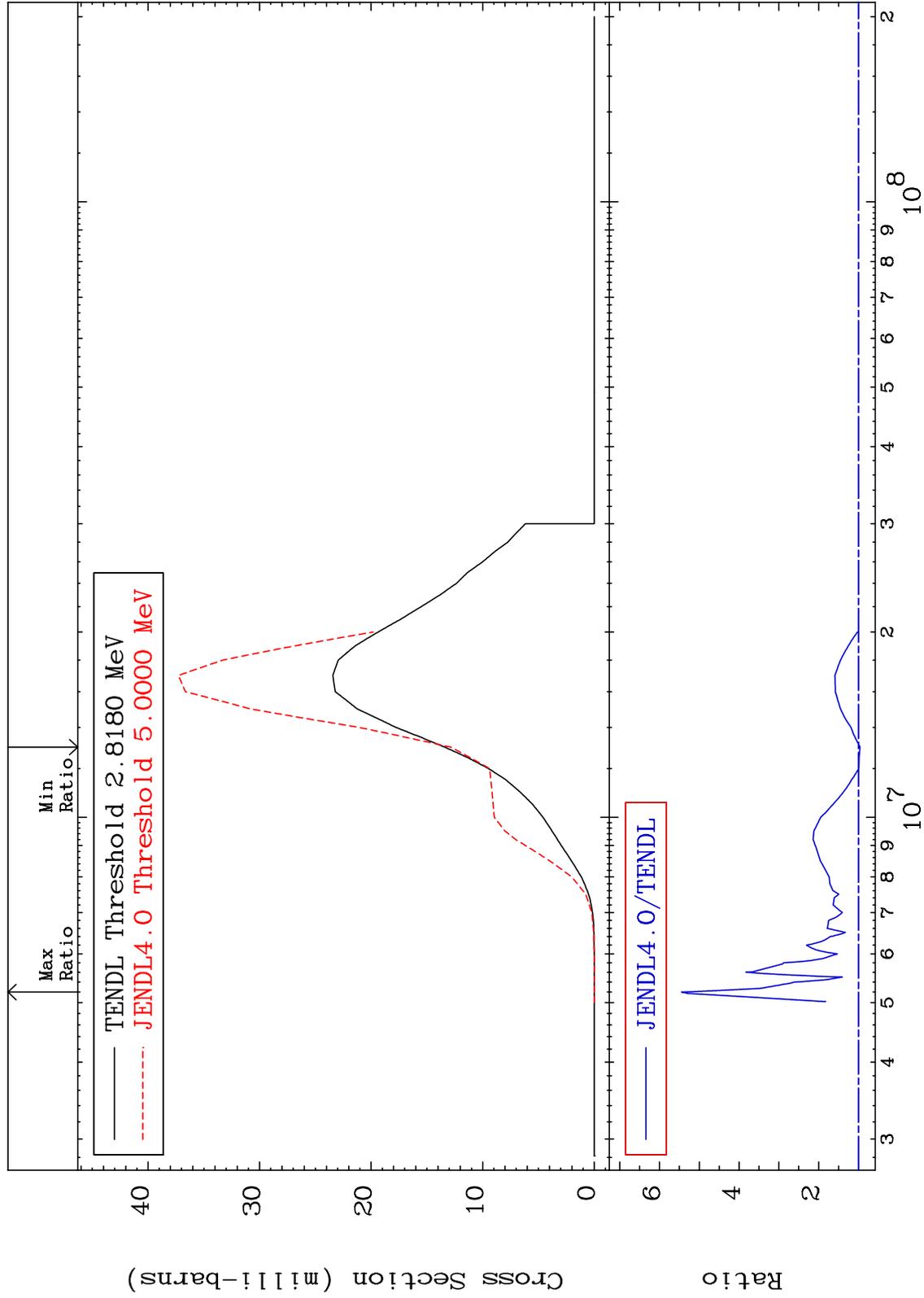
MAT 2037

(n,  $\alpha$ )

20-Ca-44

Cross Section

-4.052 To 444.6 %



40

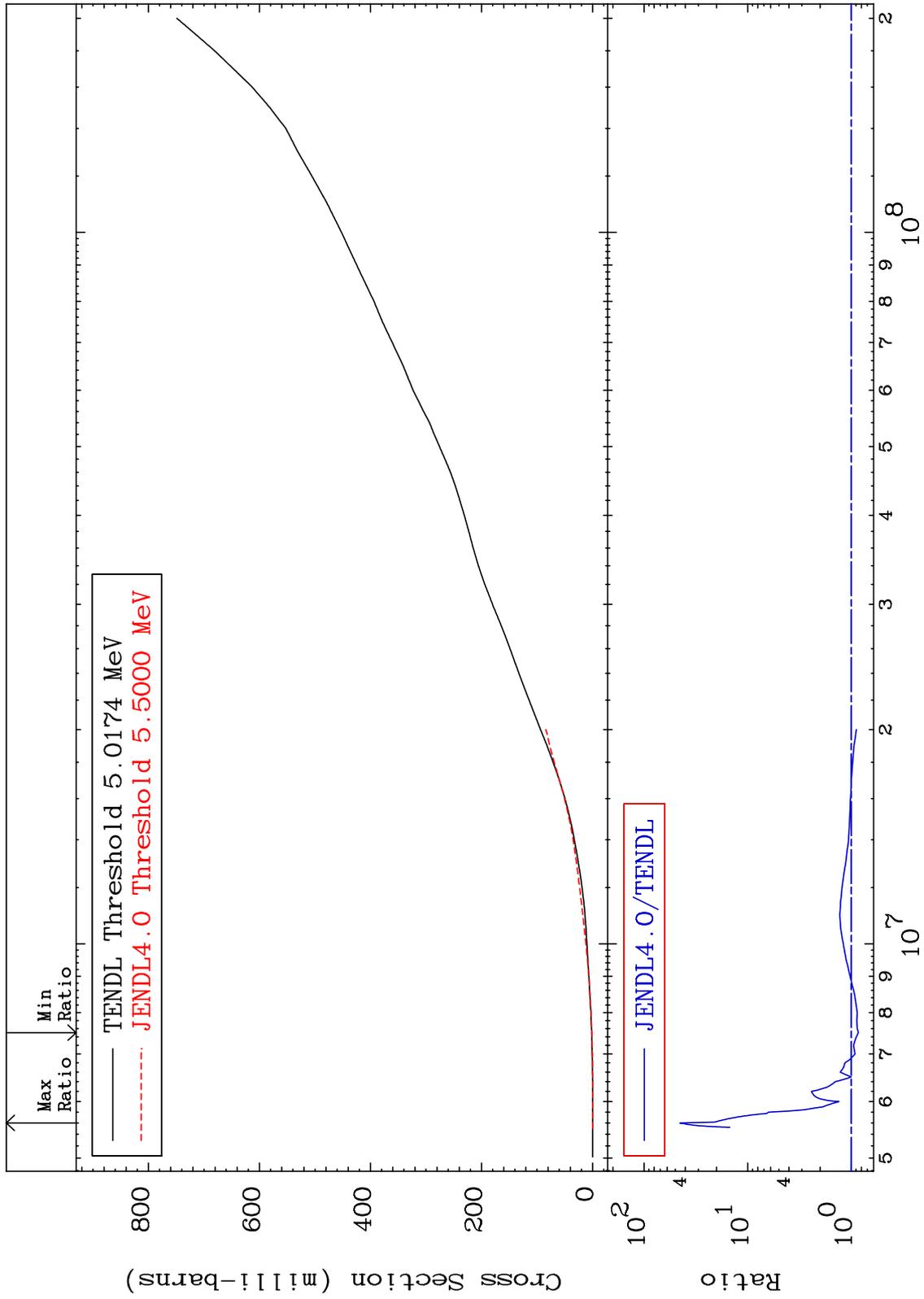
Incident Energy (eV)

20-Ca-44

MAT 2037

### Hydrogen Production Cross Section

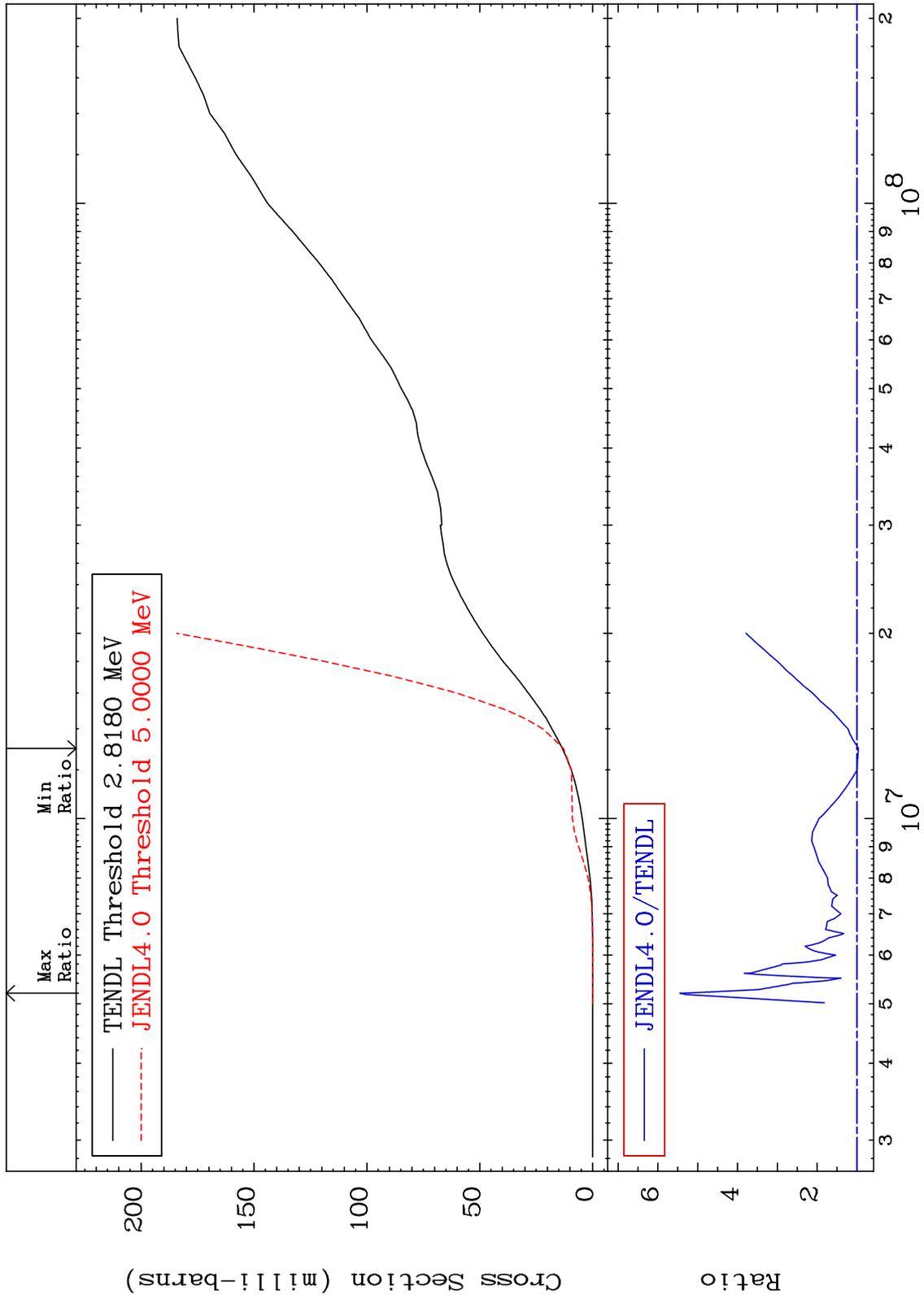
20-Ca-44  
-14.60 To 4414. %



MAT 2037

He-4 Production  
Cross Section

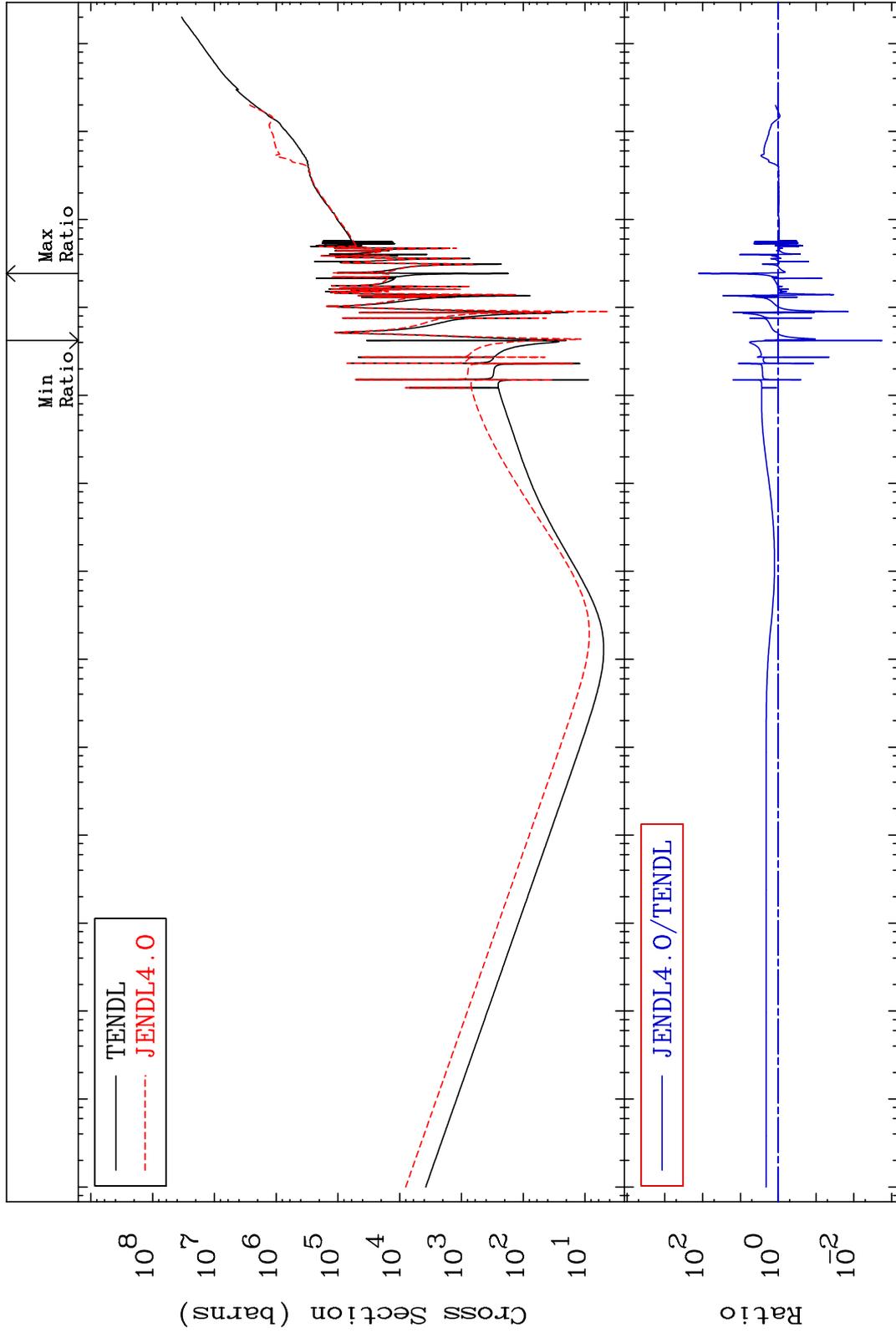
20-Ca-44  
-3.661 To 444.6 %



MAT 2037

Kerma total (eV-barns)  
Cross Section

20-Ca-44  
-99.82 To 9999. %

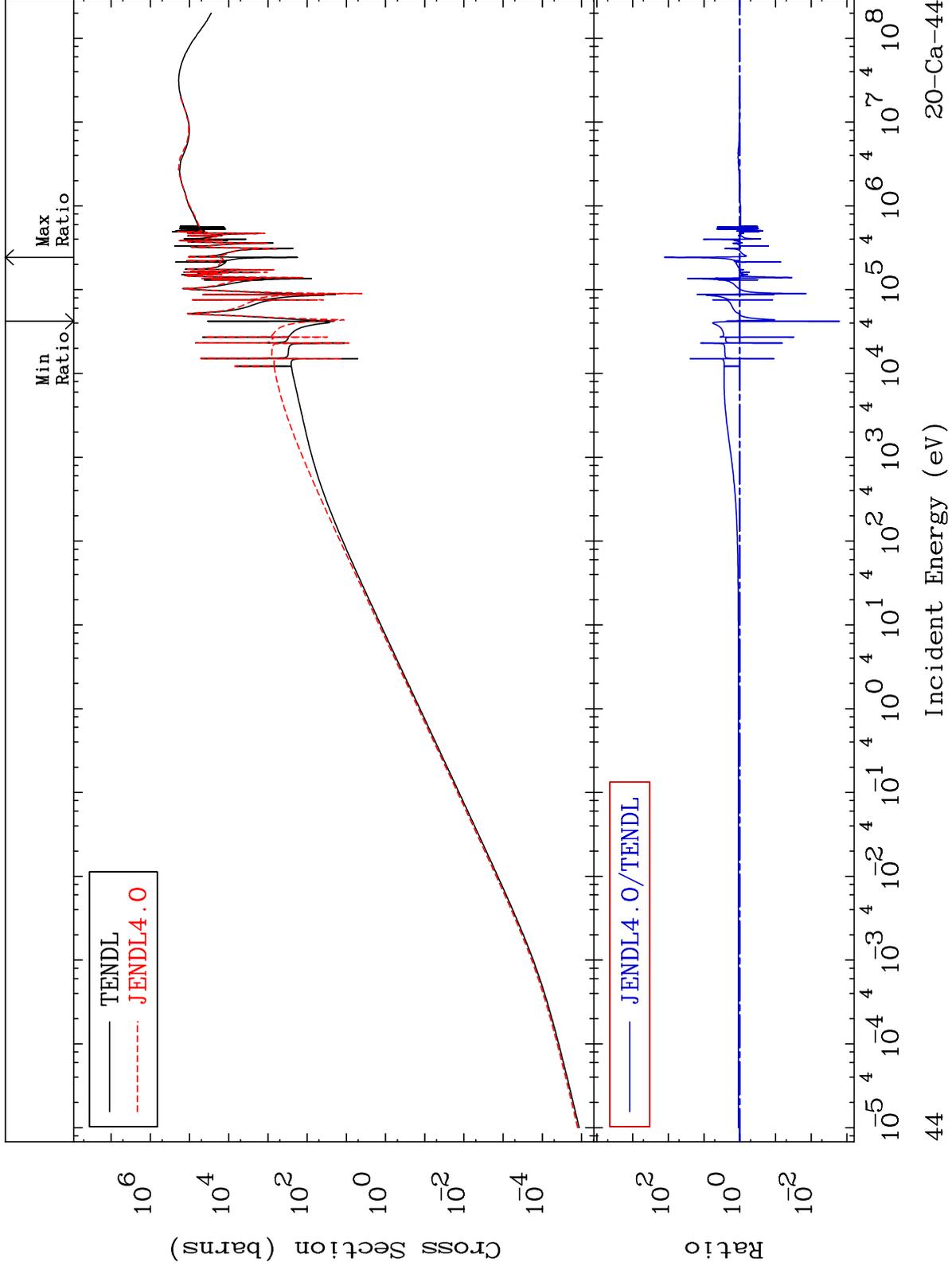


Incident Energy (eV) 20-Ca-44

MAT 2037

Kerma elastic  
Cross Section

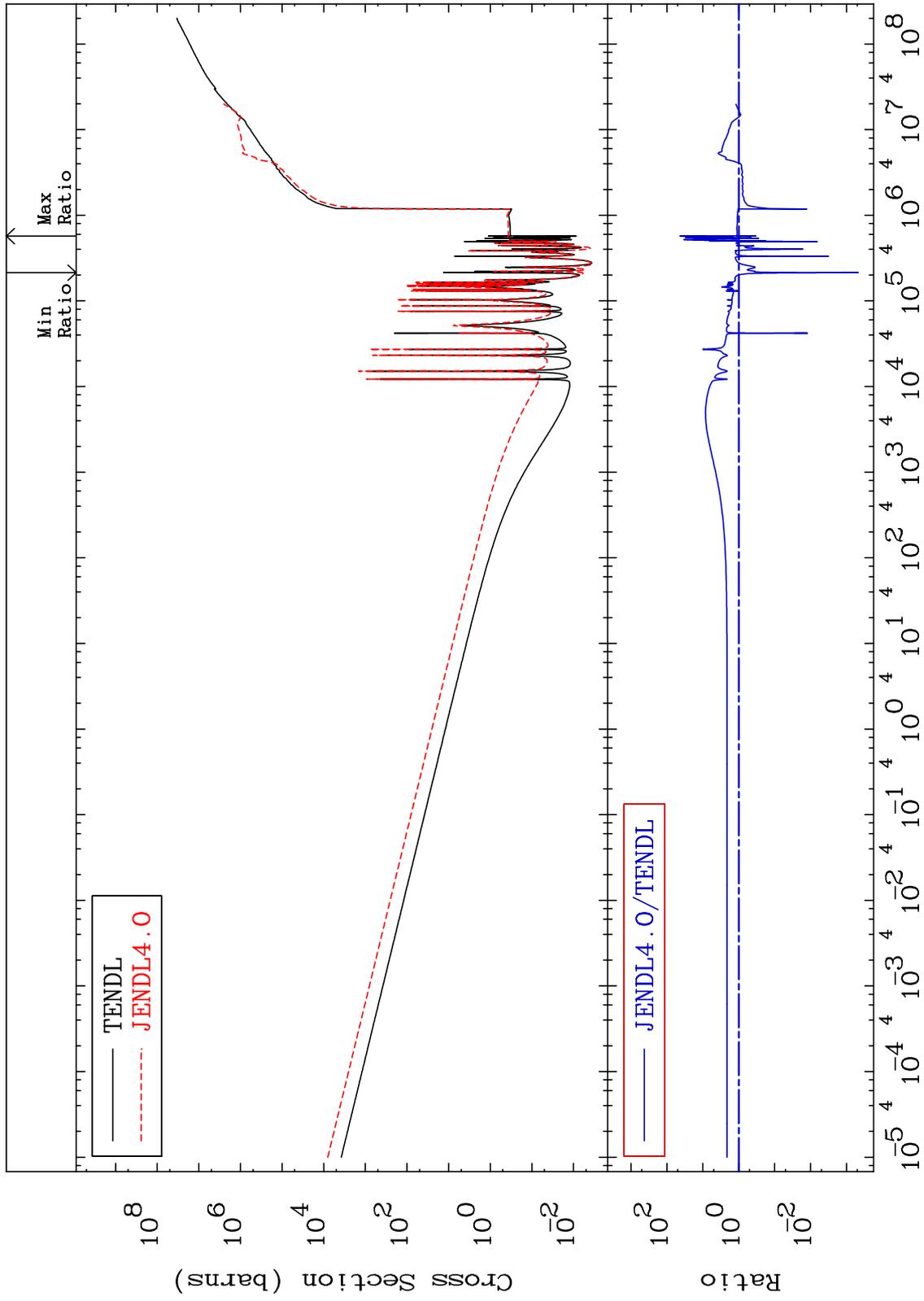
20-Ca-44  
-99.84 To 9999. %



MAT 2037

Kerma non-elastic (all but mt2)  
Cross Section

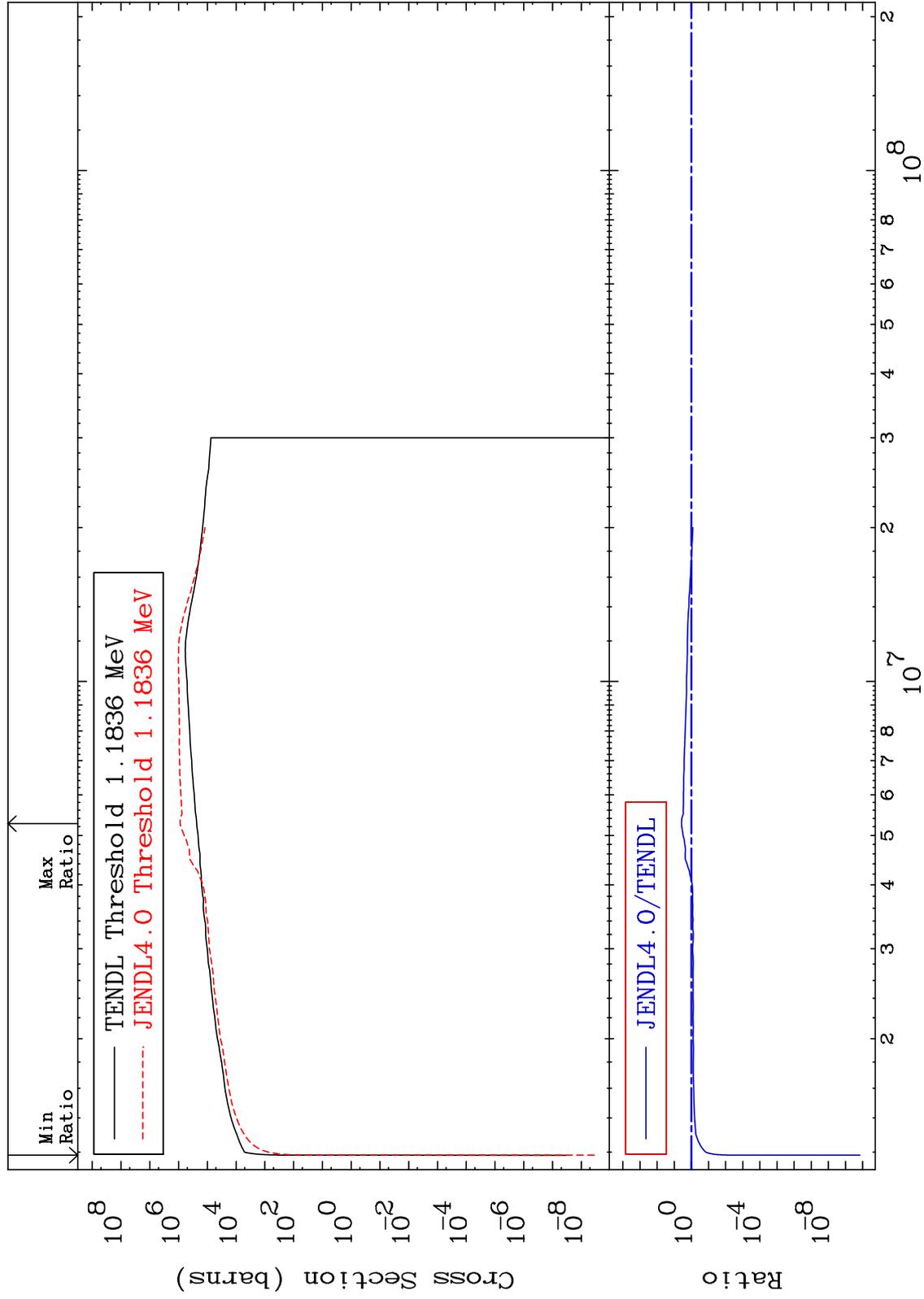
20-Ca-44  
-99.95 To 4236. %



45

Incident Energy (eV)

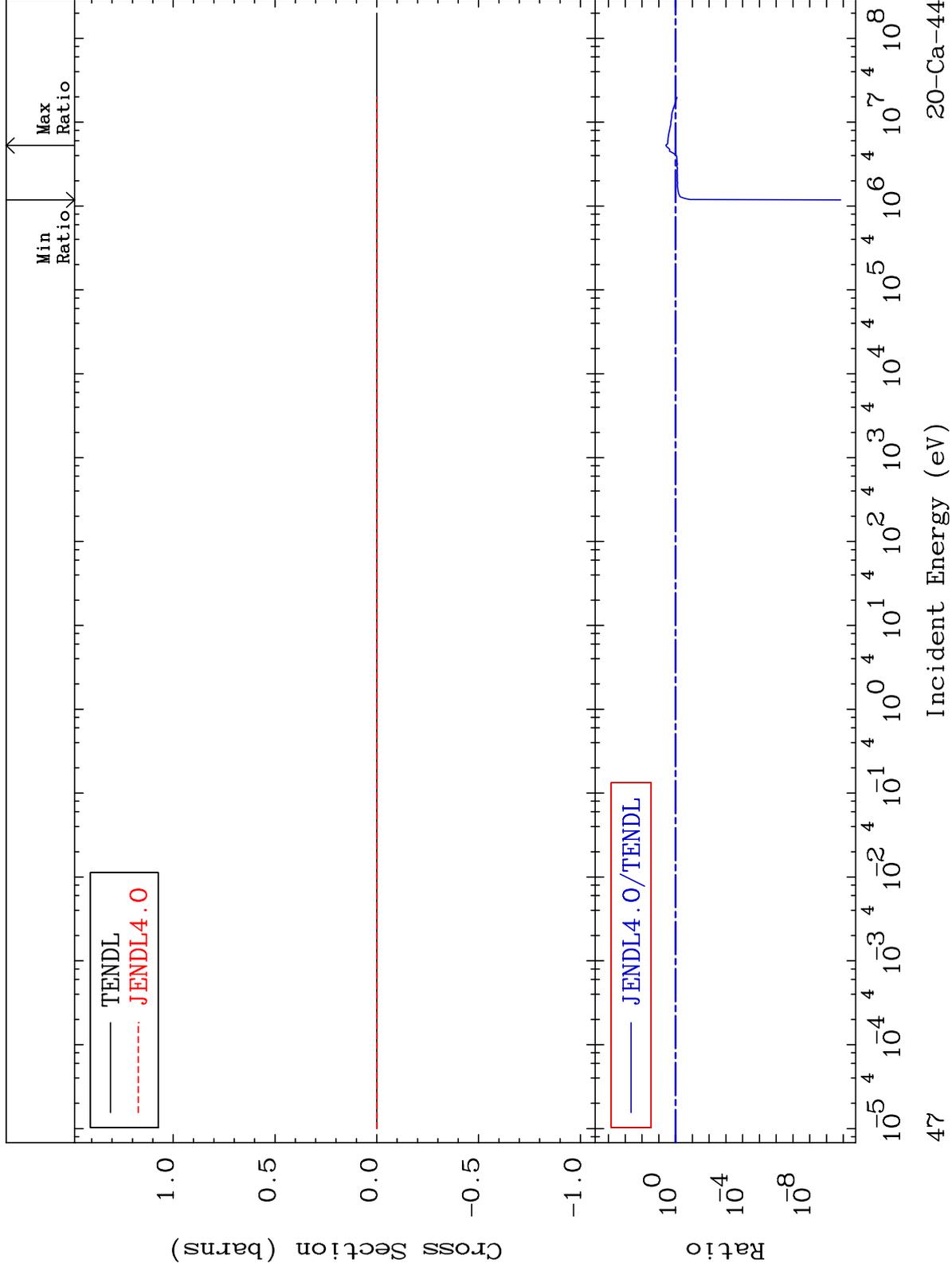
20-Ca-44



MAT 2037

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

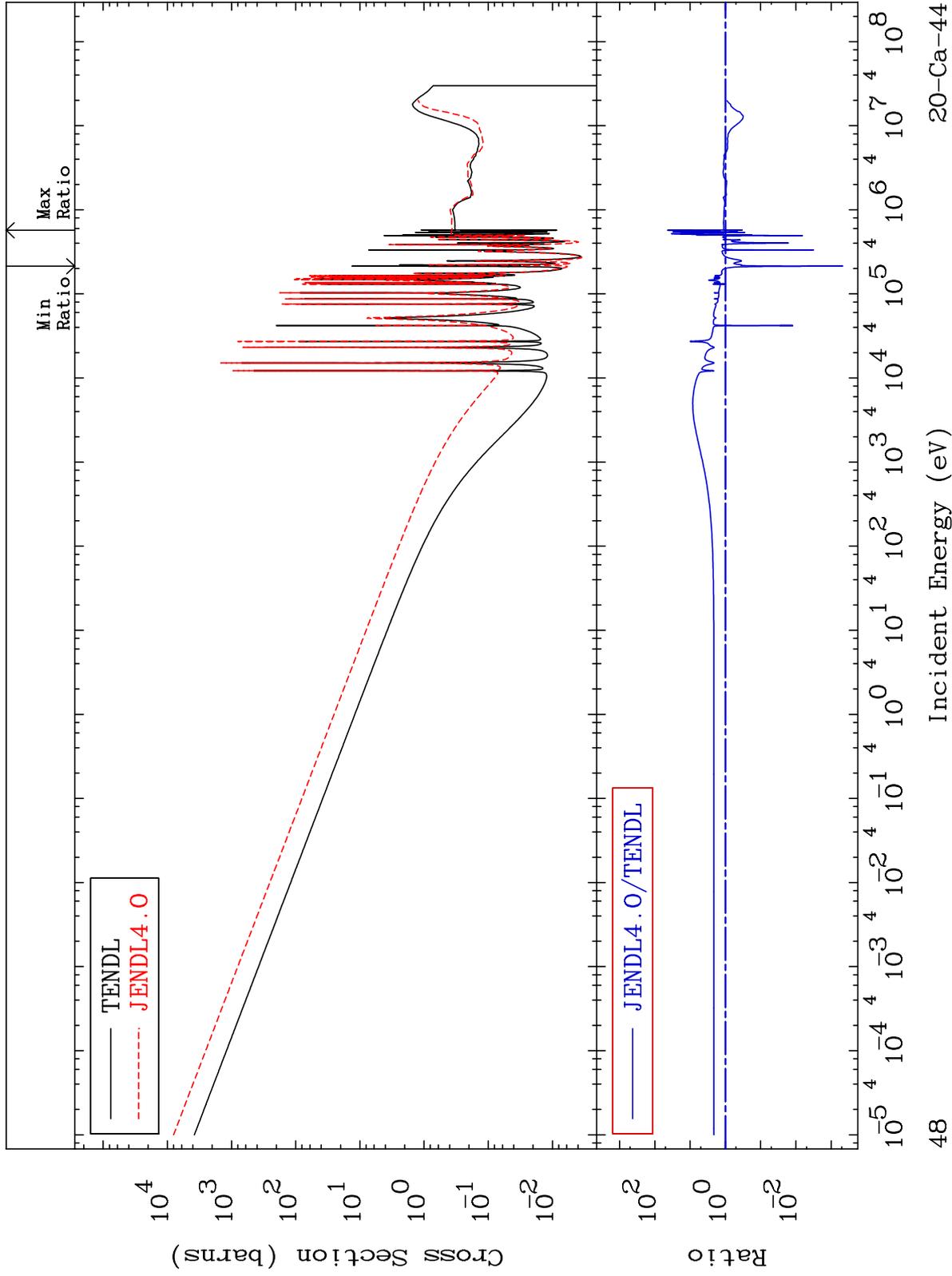
20-Ca-44  
-100.0 To 274.8 %



MAT 2037

Kerma capture (mt102)  
Cross Section

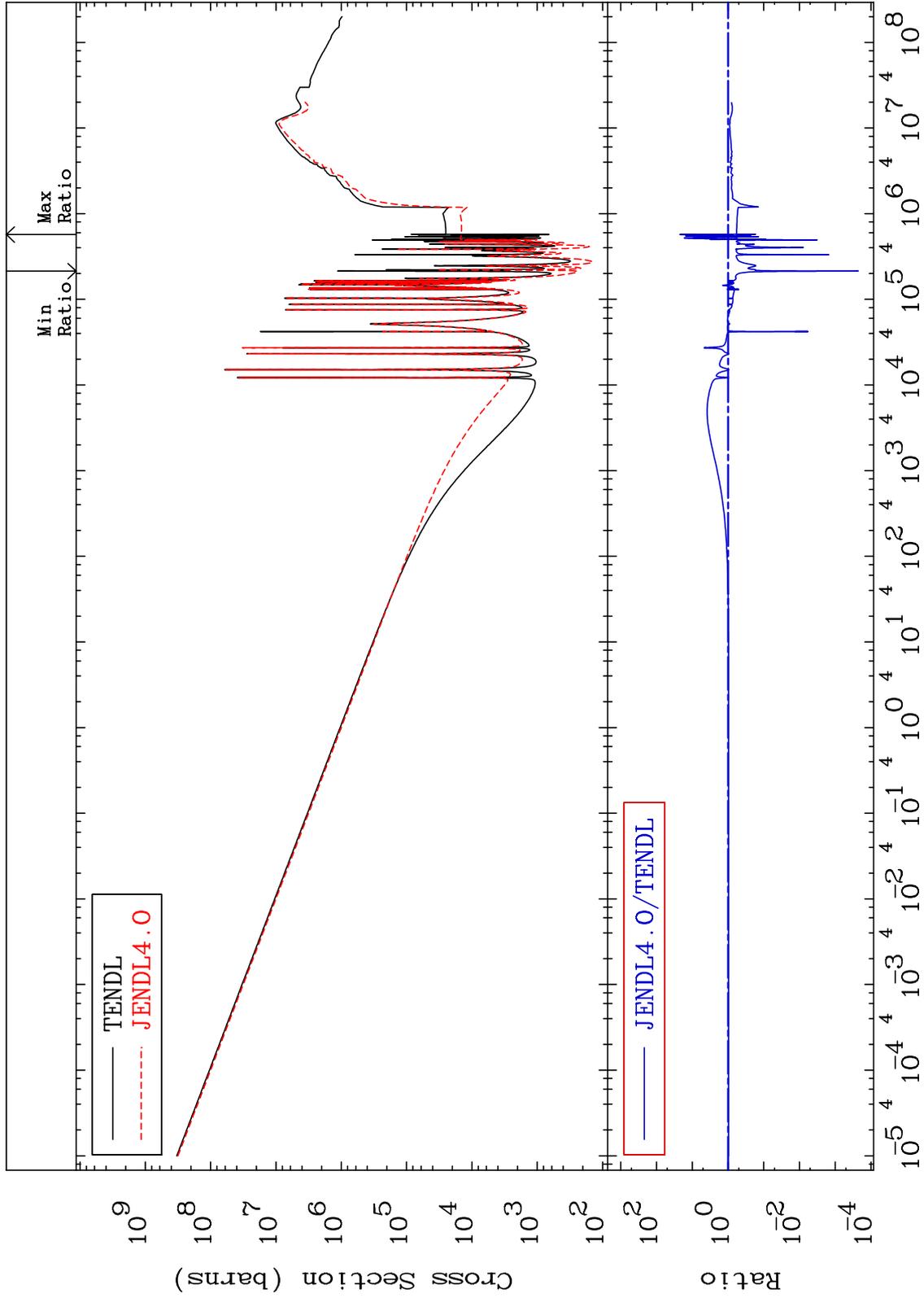
20-Ca-44  
-99.95 To 4236. %



MAT 2037

Total photon (eV-barns)  
Cross Section

20-Ca-44  
-99.98 To 2112. %



49

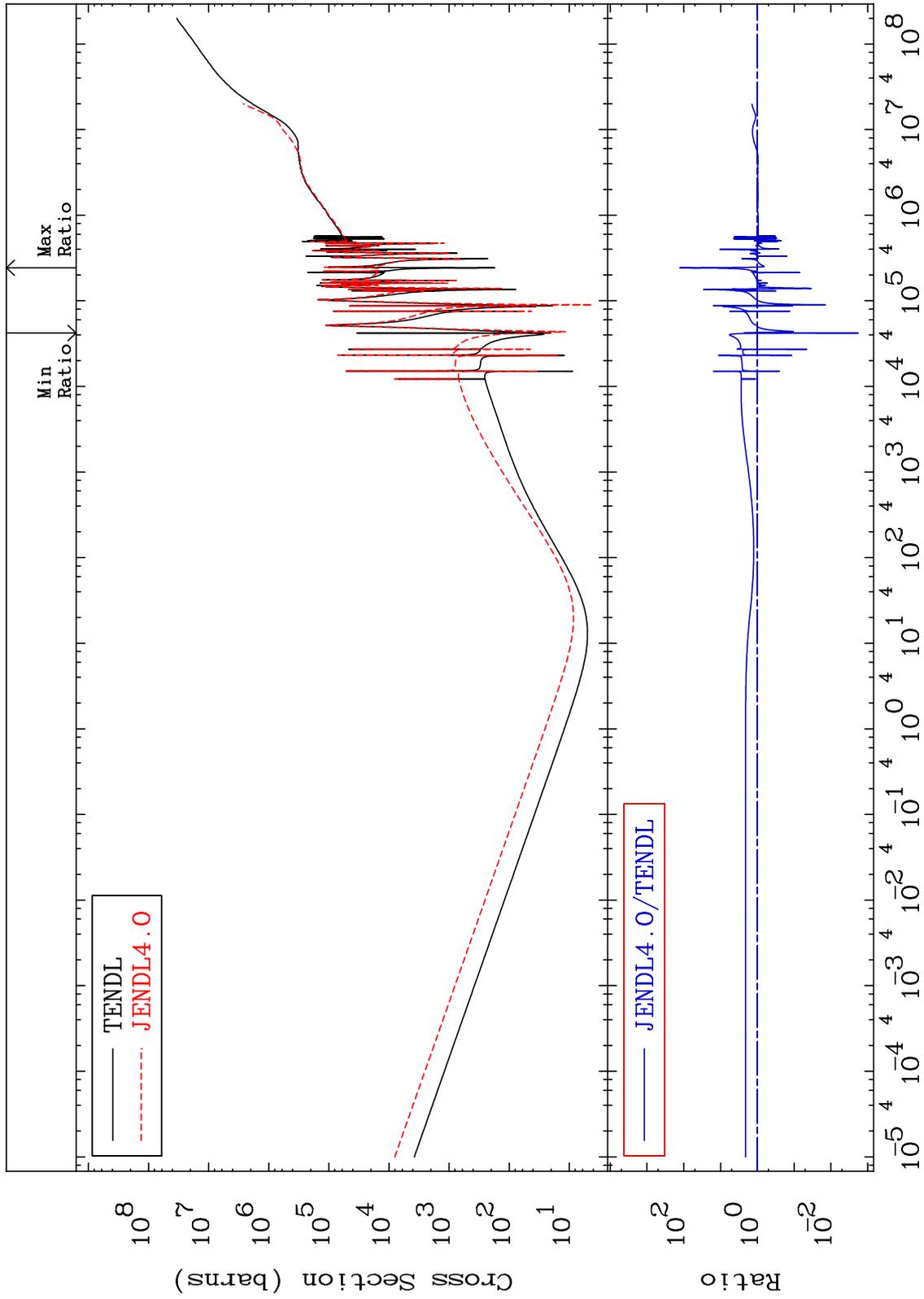
Incident Energy (eV)

20-Ca-44

MAT 2037

Total kinematic kerma (high limit)  
Cross Section

20-Ca-44  
-99.82 To 9999. %



50

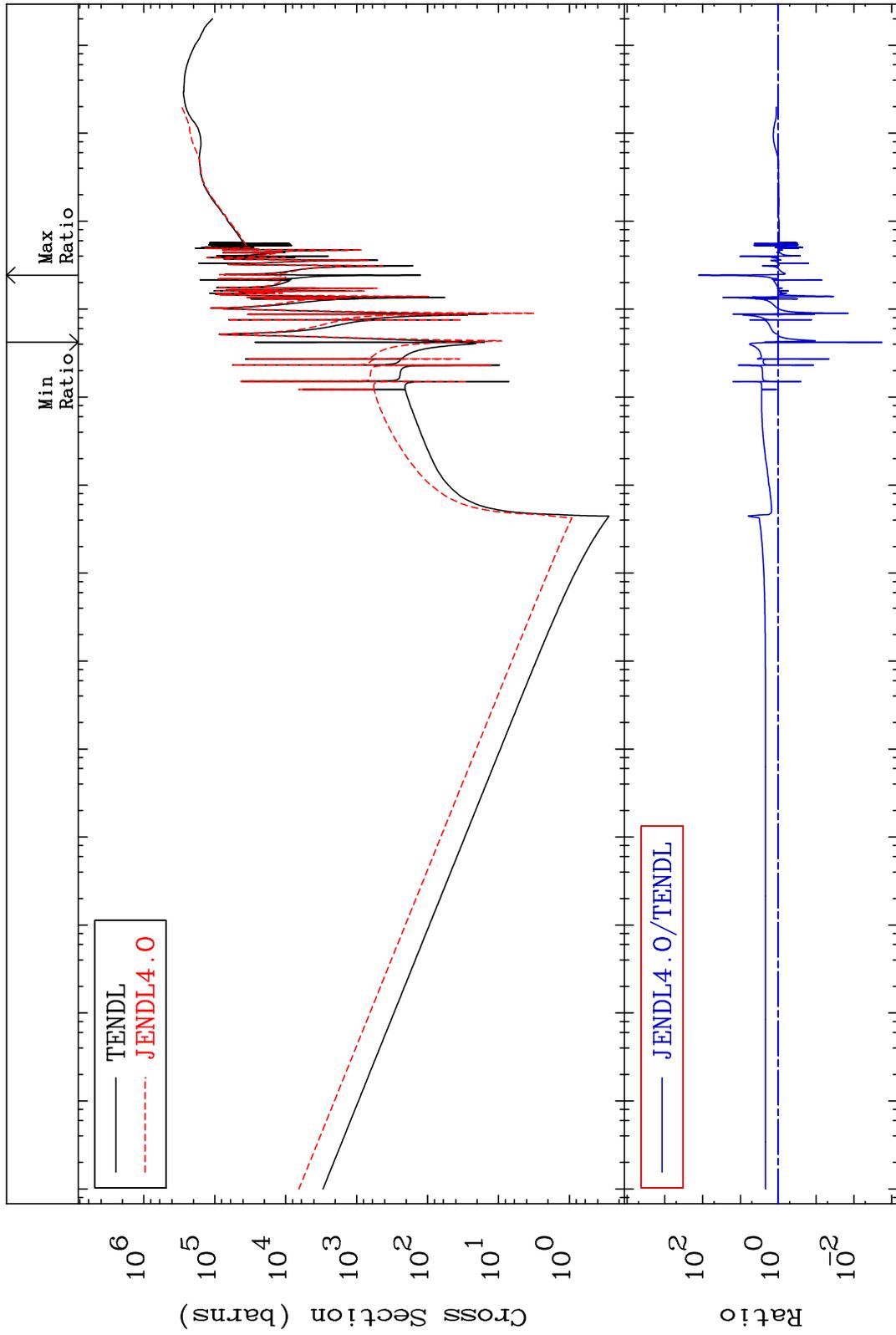
Incident Energy (eV)

20-Ca-44

MAT 2037

Dpa total (eV-barns)  
Cross Section

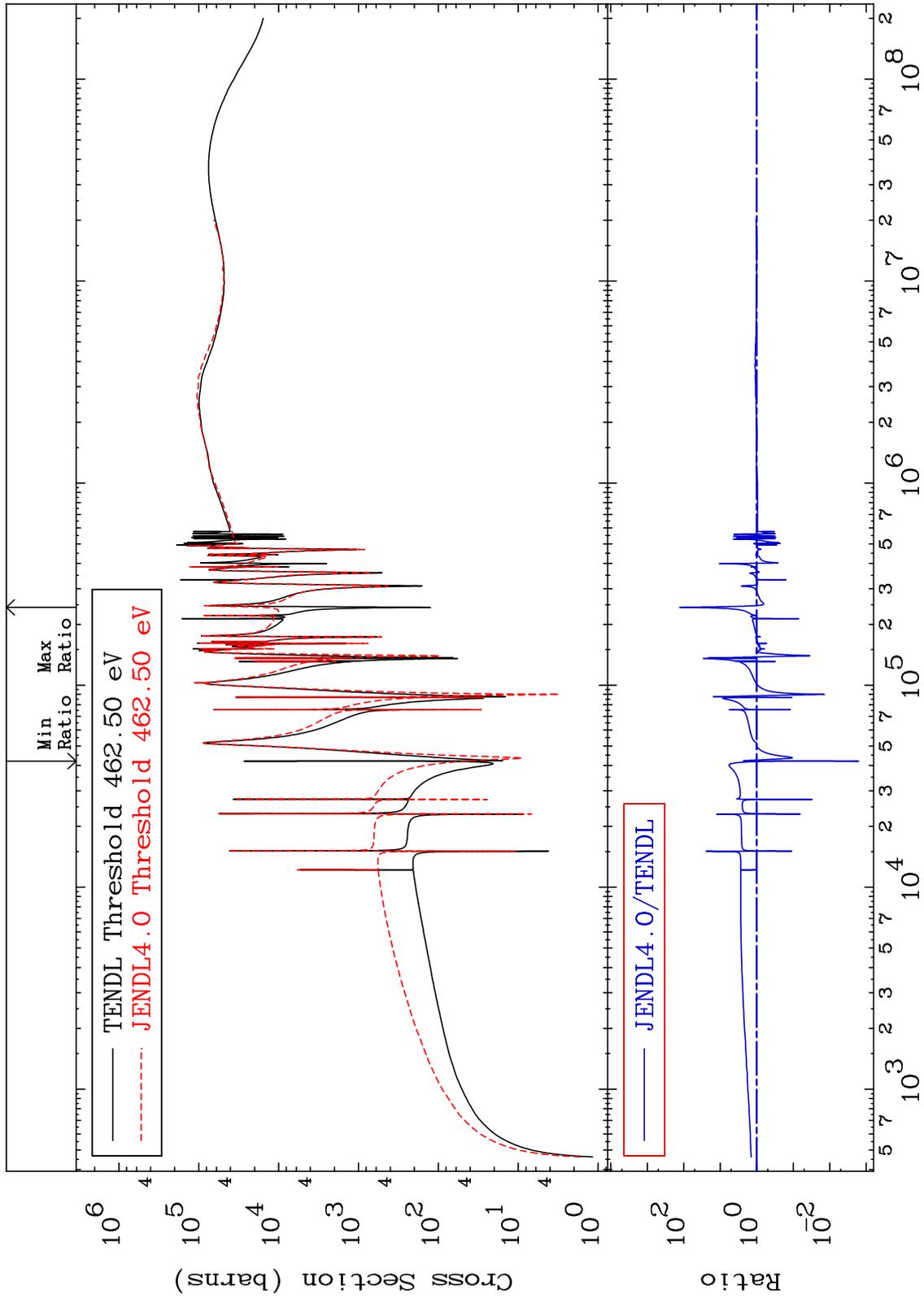
20-Ca-44  
-99.82 To 9999. %



MAT 2037

Dpa elastic (mt2)  
Cross Section

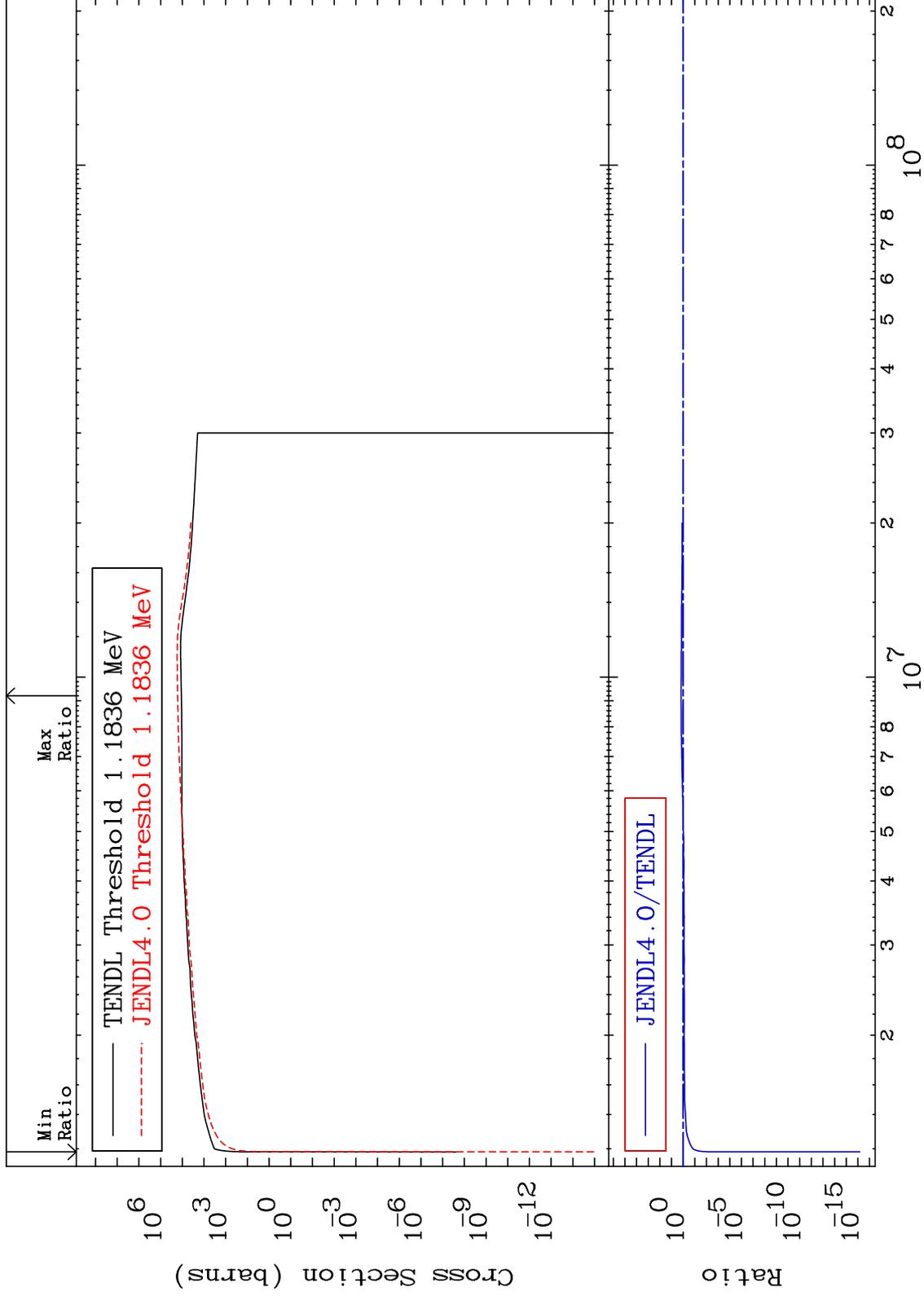
20-Ca-44  
-99.84 To 9999. %



MAT 2037

Dpa inelastic (mt51-91)  
Cross Section

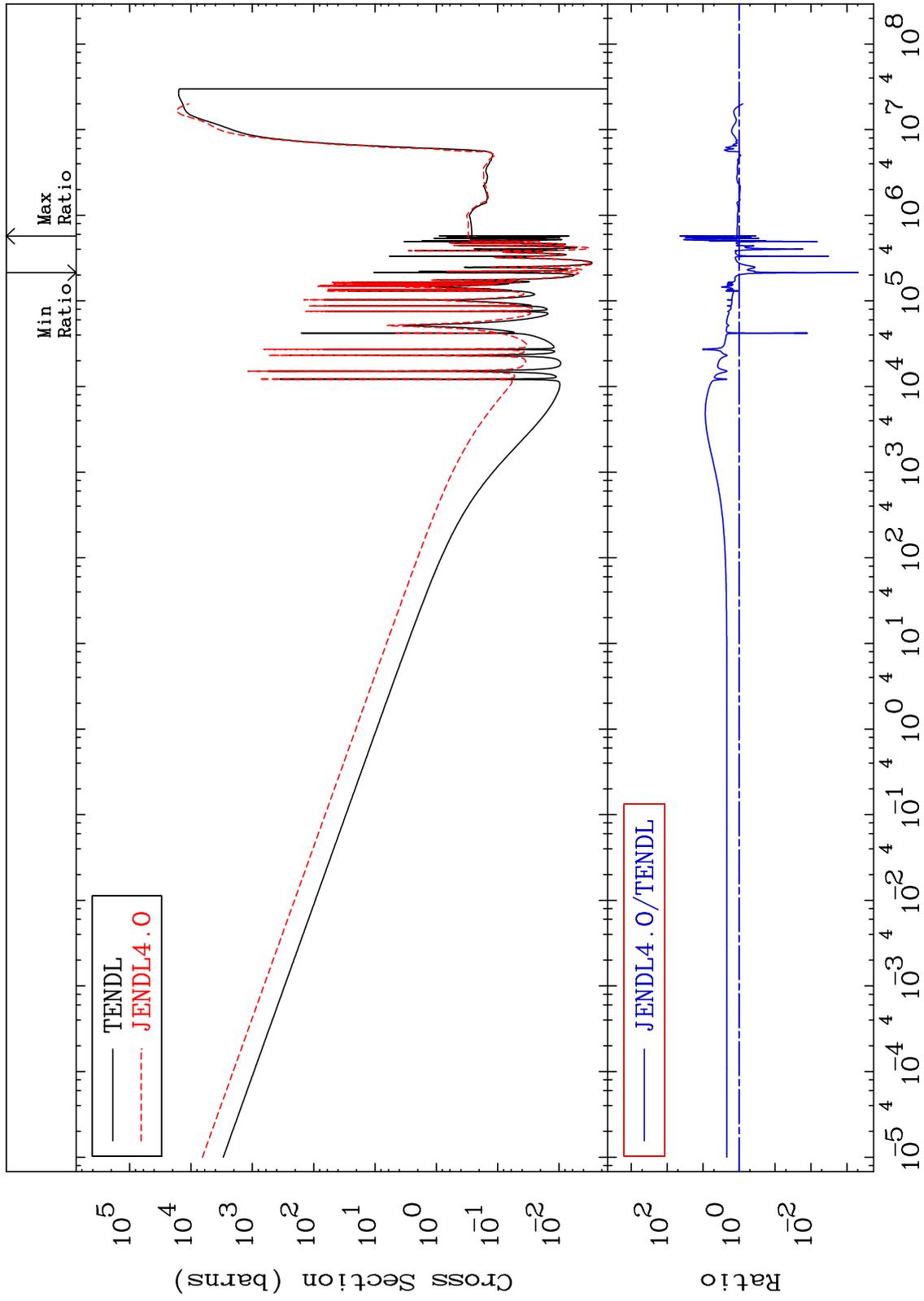
20-Ca-44  
-100.0 To 49.85 %



MAT 2037

Dpa disappearance (mt102 -120)  
Cross Section

20-Ca-44  
-99.95 To 4308. %



MAT 2037

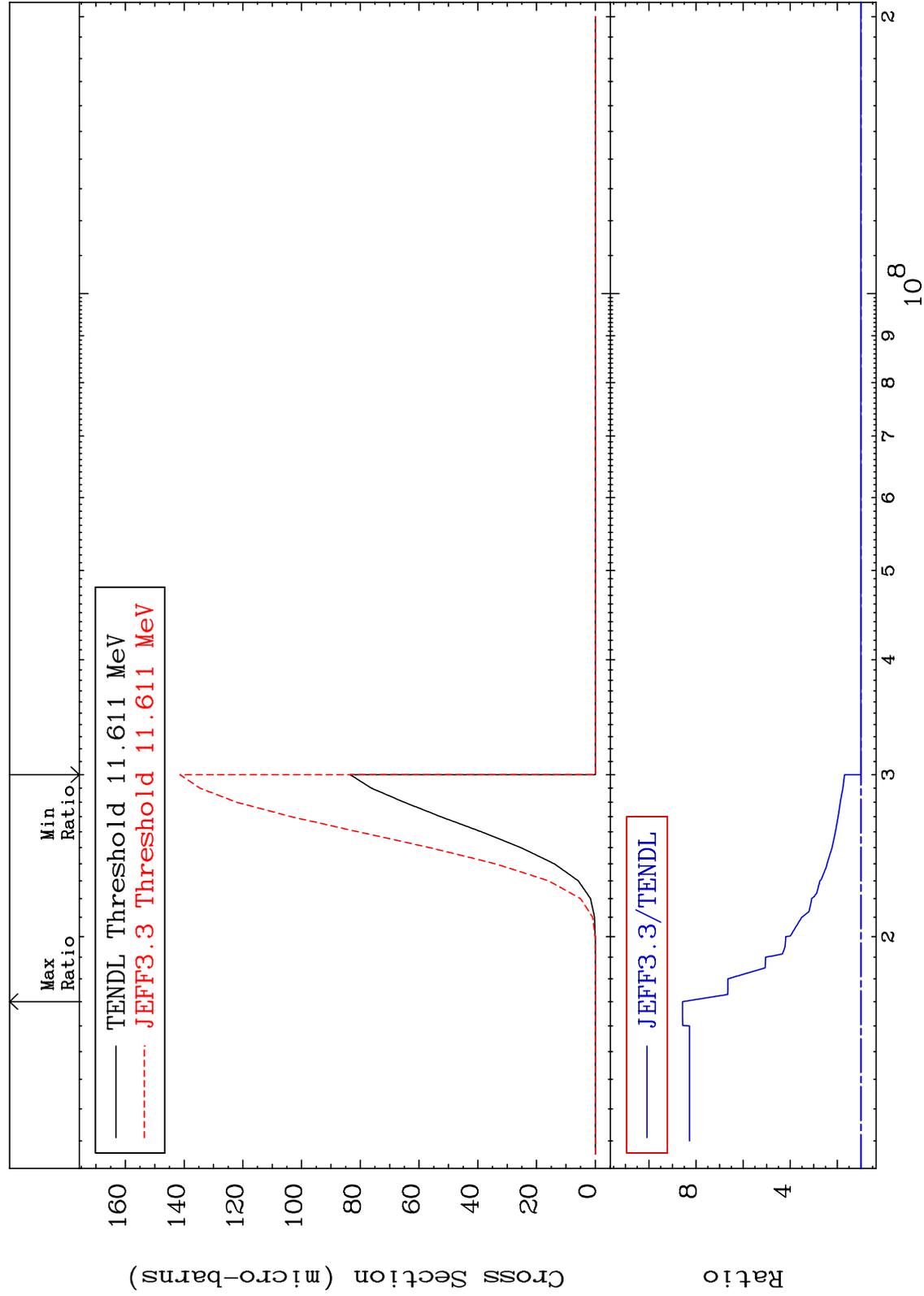
(n, 2α)

20-Ca-44

Cross Section

0.000

To 757.5 %



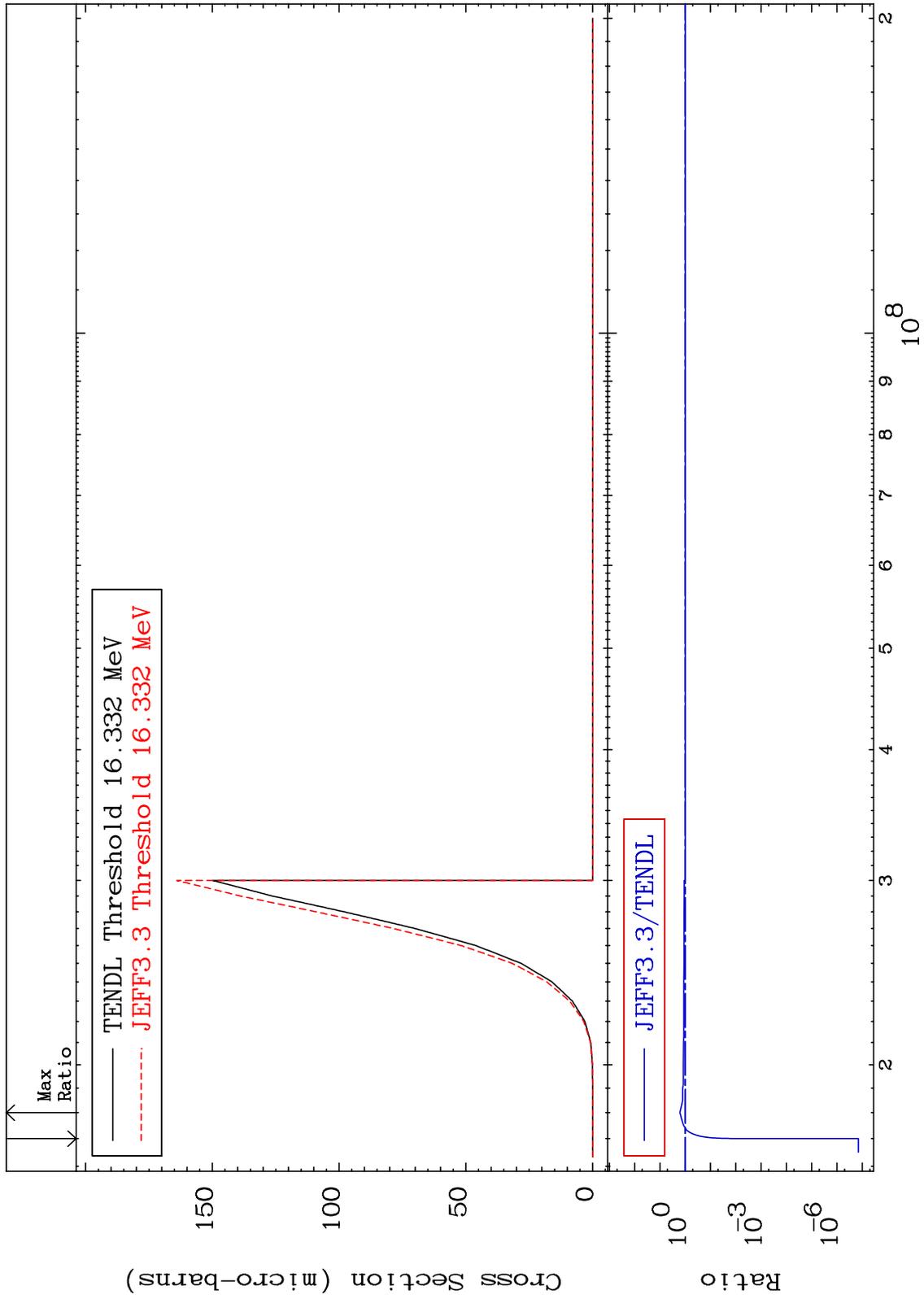
MAT 2037

(n,2p)

20-Ca-44

Cross Section

-100.0 To 61.68 %



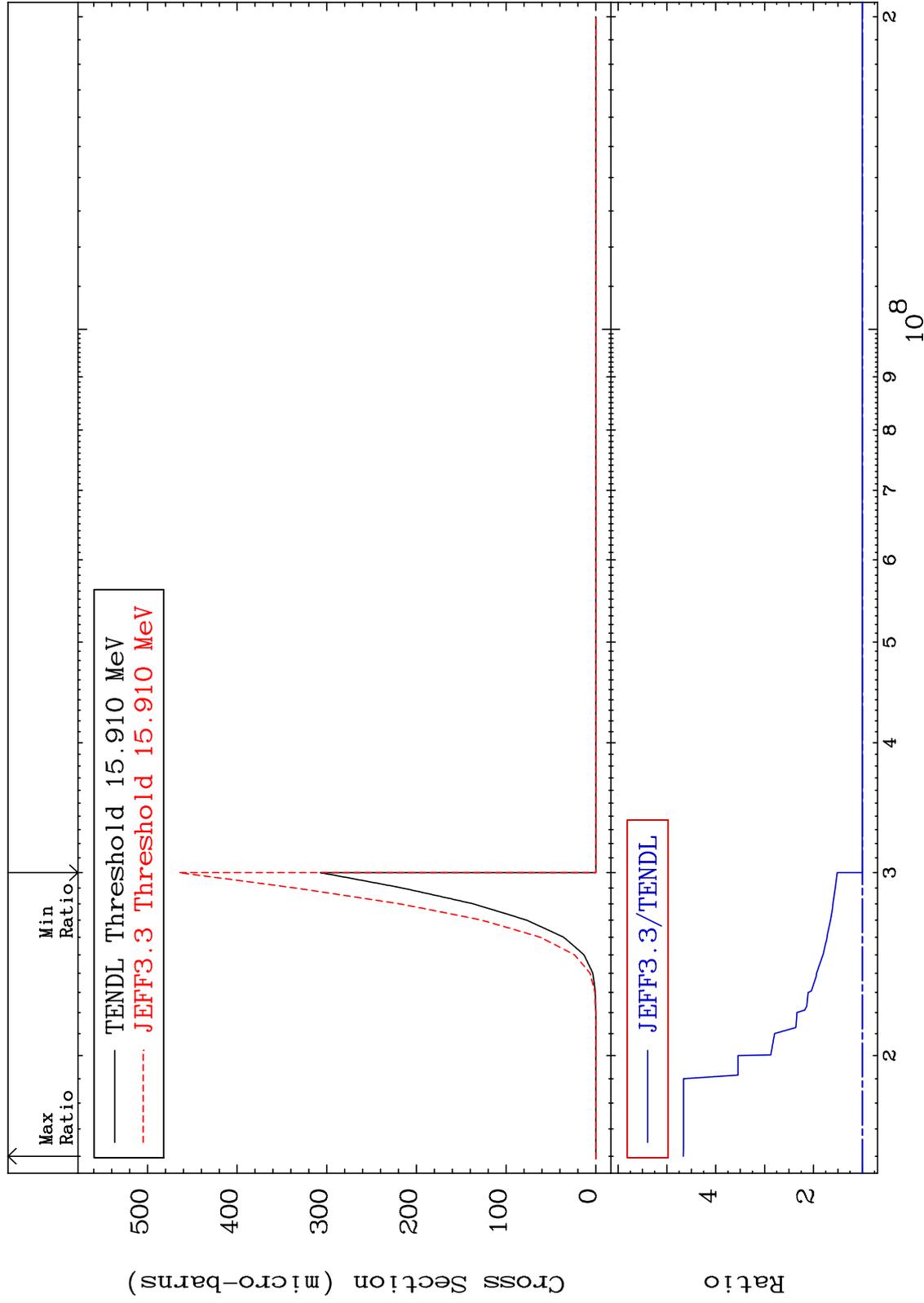
MAT 2037

(n,p)  $\alpha$

20-Ca-44

Cross Section

0.000 To 366.3 %



MAT 2037

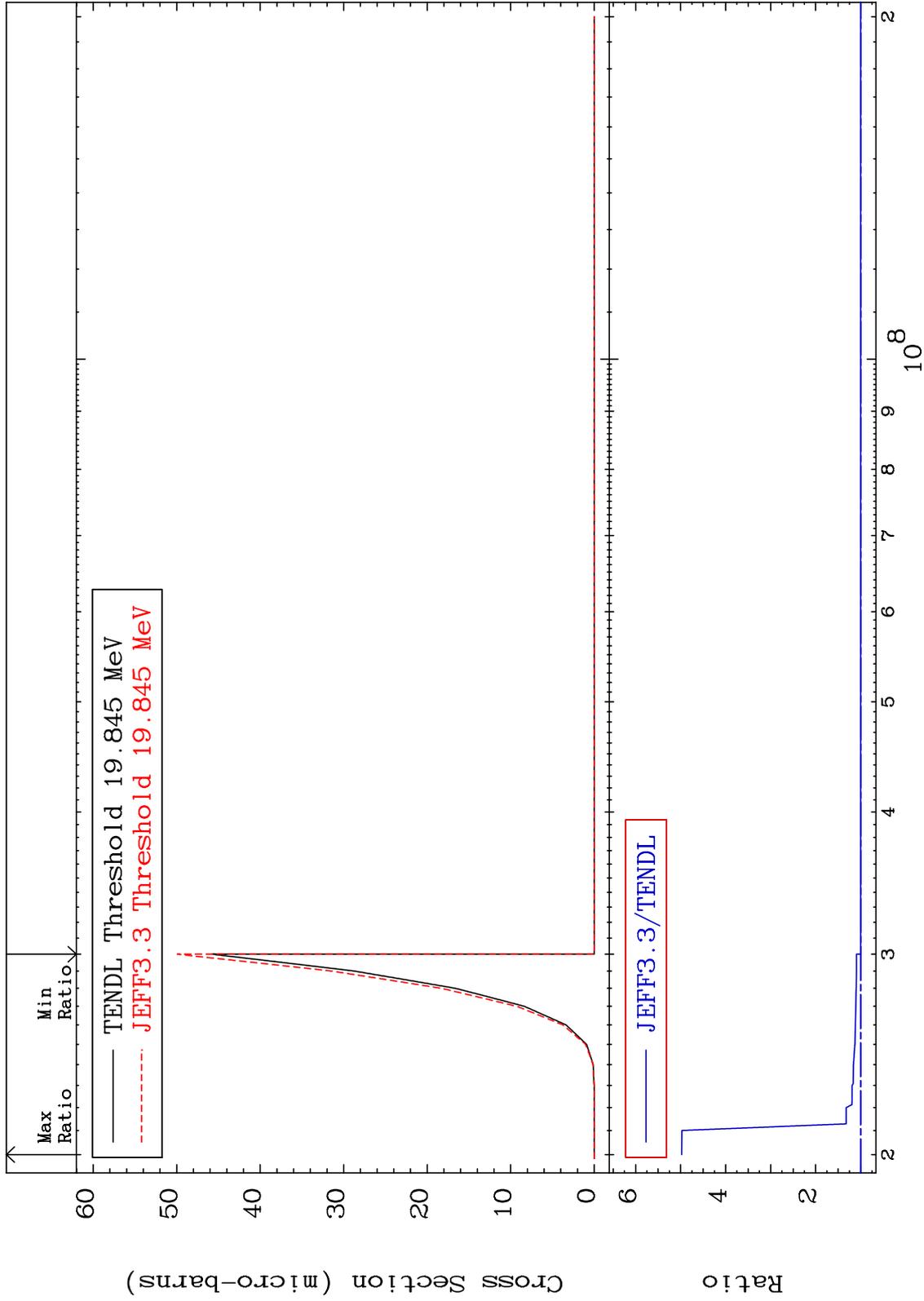
(n,p) d

<sup>20</sup>Ca-44

Cross Section

0.000

To 397.5 %



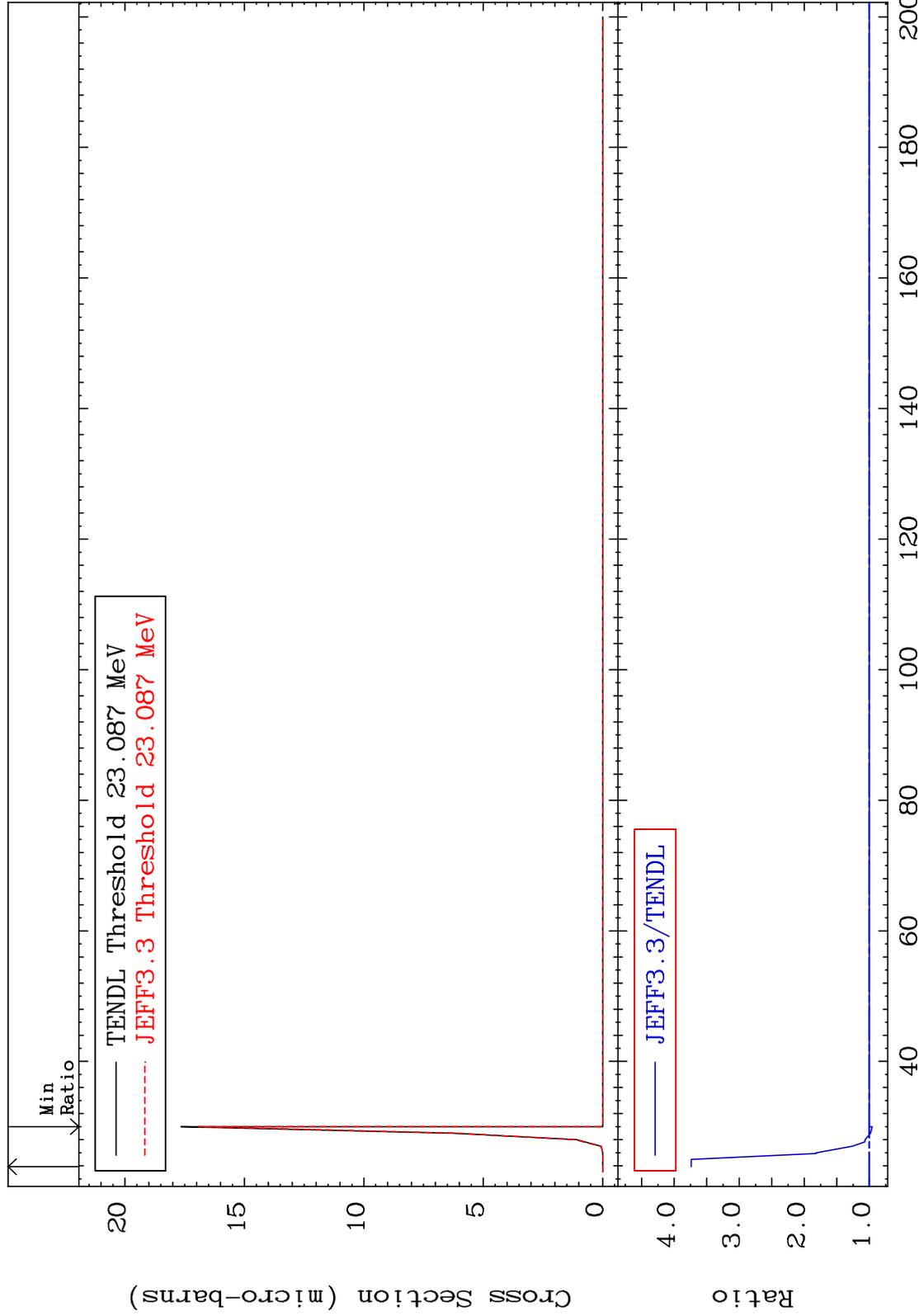
MAT 2037

(n,p) t

20-Ca-44

Cross Section

-4.345 To 273.7 %



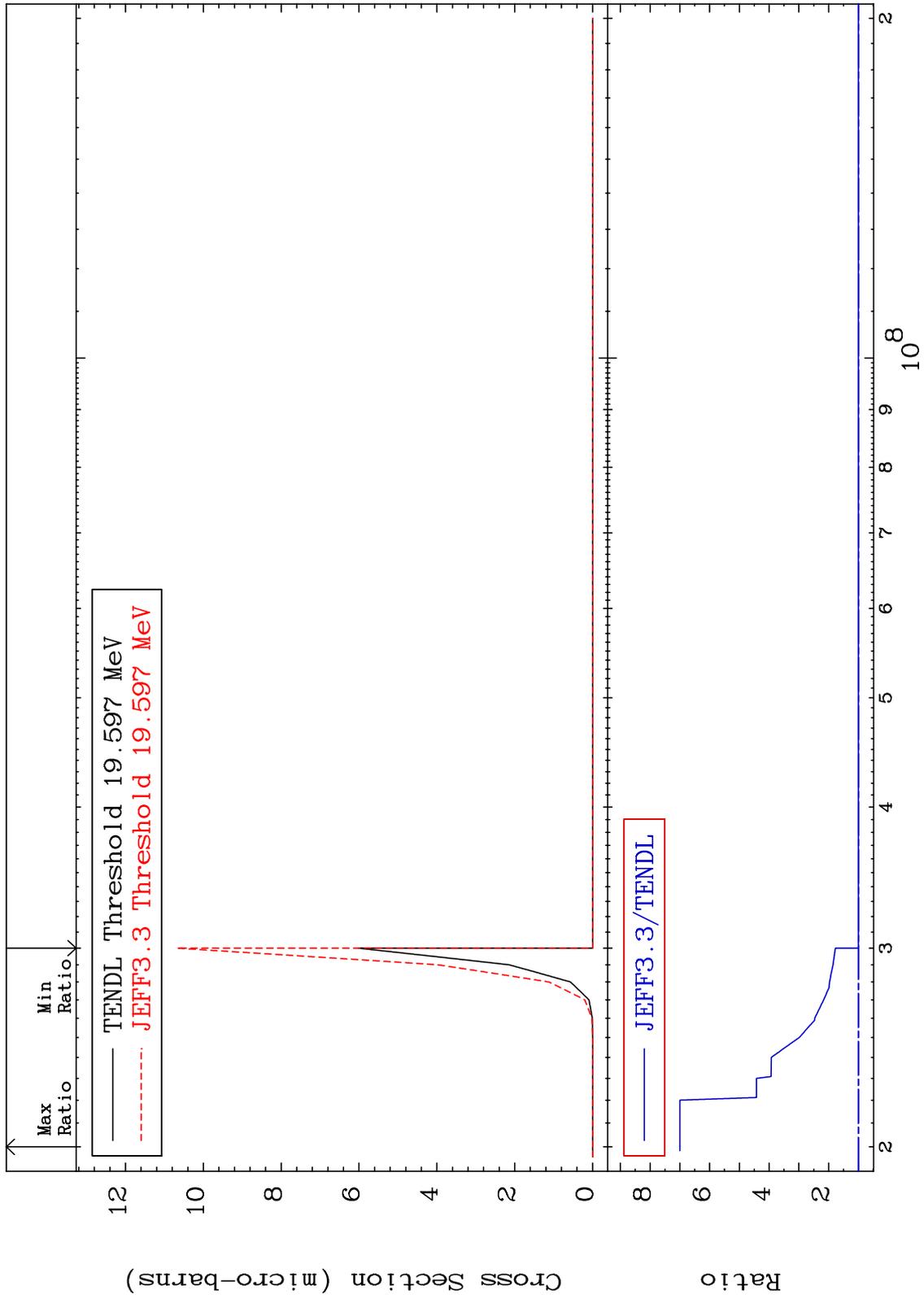
MAT 2037

(n,d)  $\alpha$

20-Ca-44

Cross Section

0.000 To 599.7 %



60

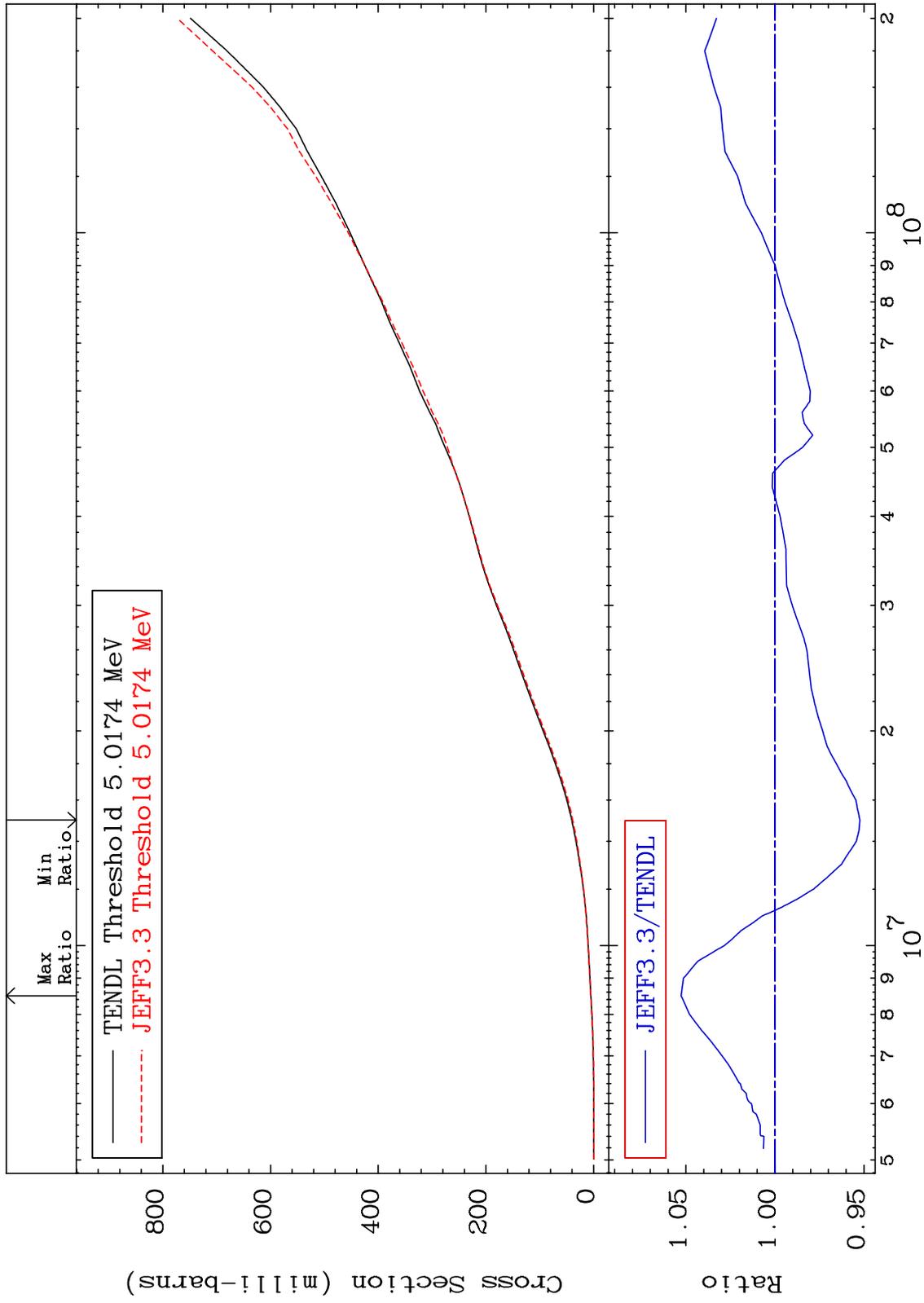
Incident Energy (eV)

20-Ca-44

MAT 2037

### Hydrogen Production Cross Section

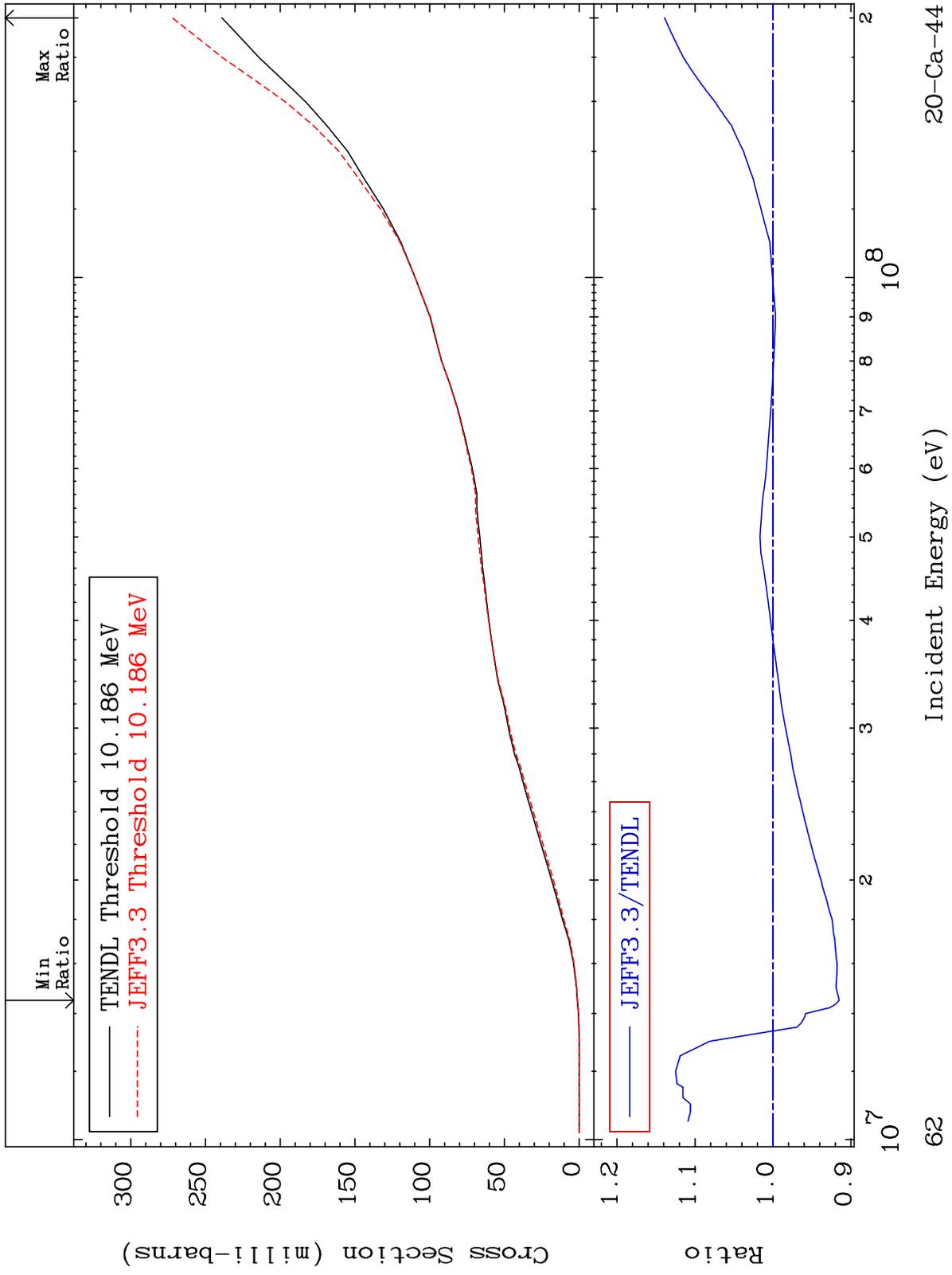
20-Ca-44  
-4.770 To 5.268 %



MAT 2037

Deuterium Production  
Cross Section

20-Ca-44  
-8.503 To 13.89 %

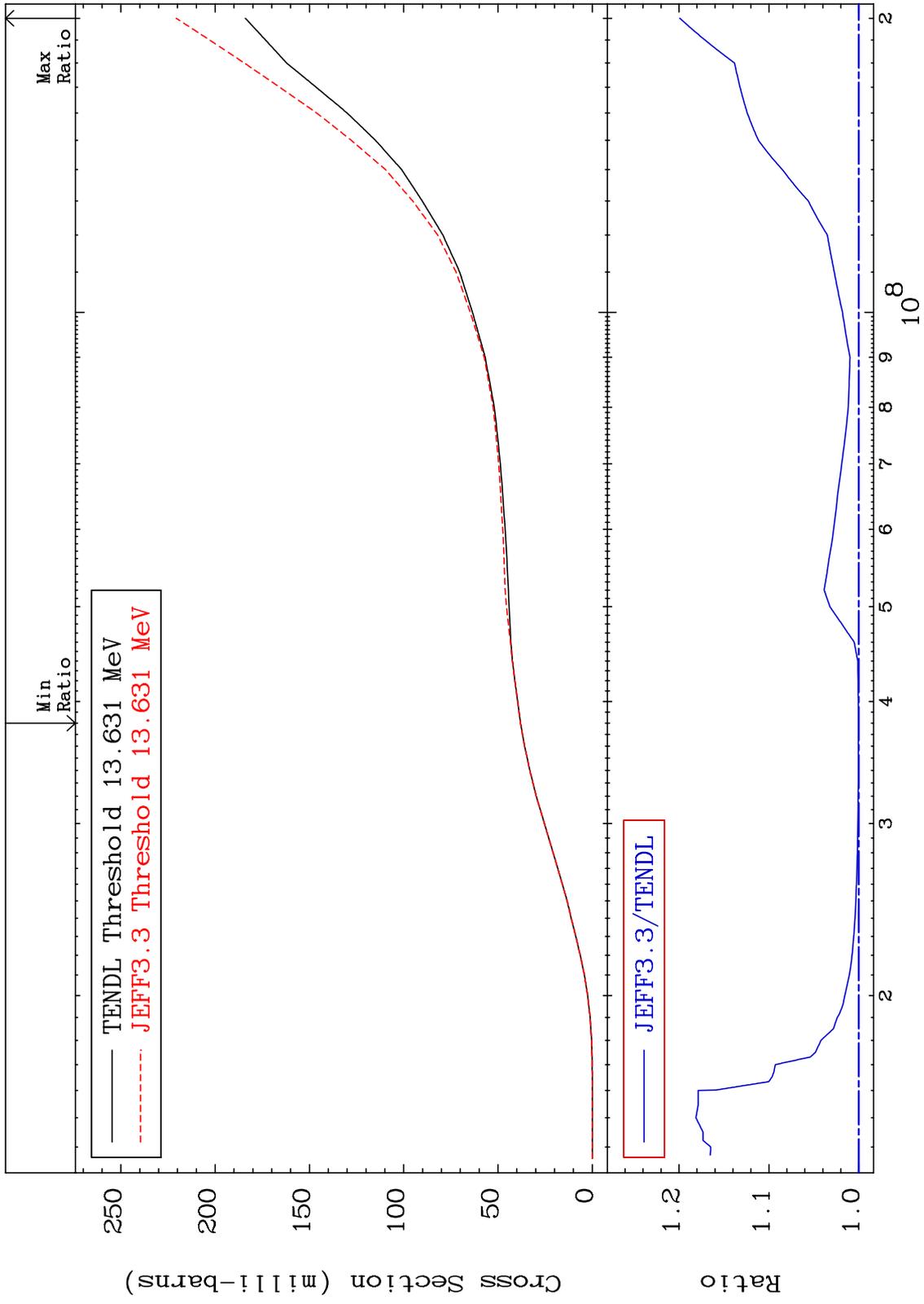


62

MAT 2037

Tritium Production  
Cross Section

20-Ca-44  
0.050 To 19.92 %



63

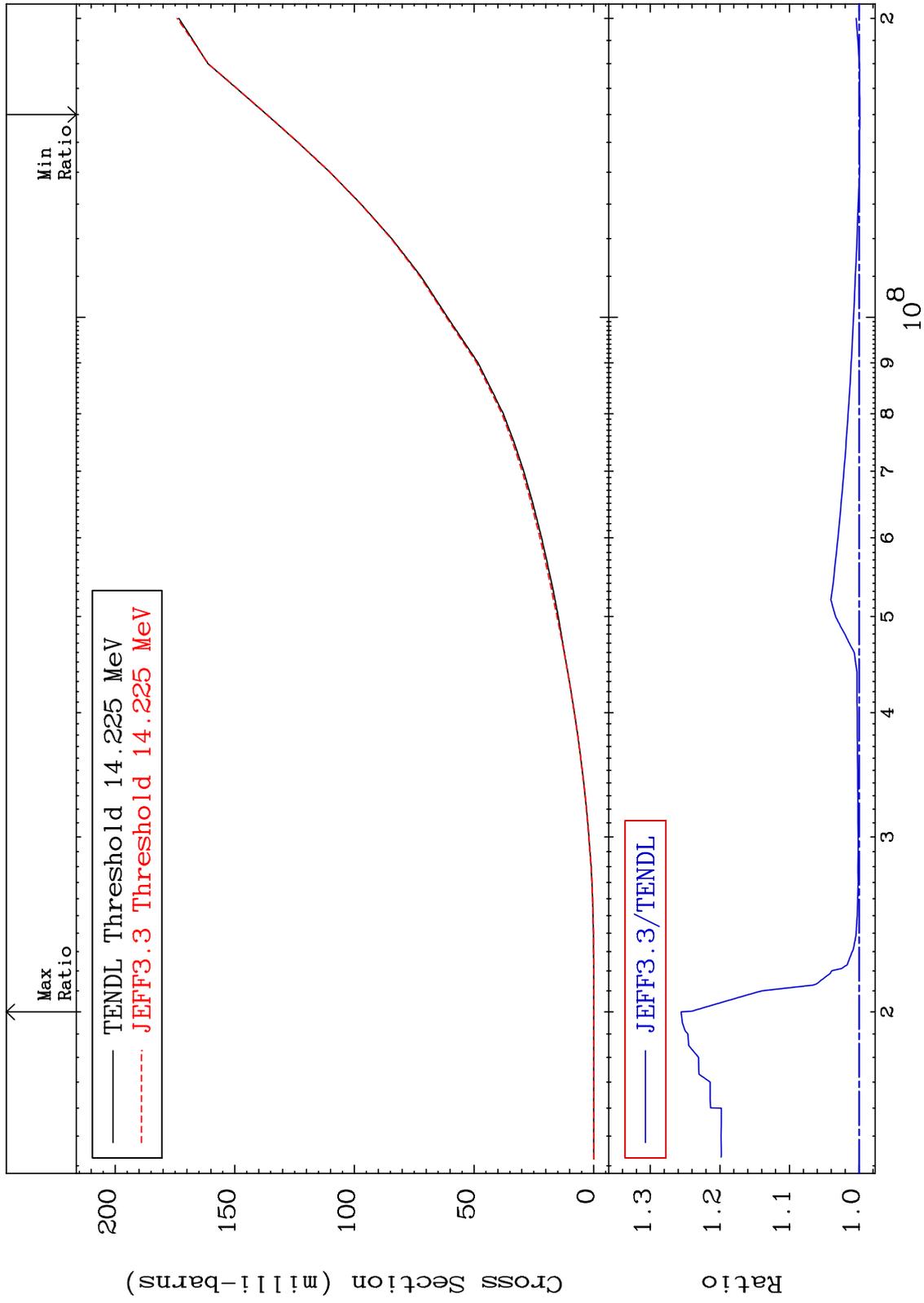
Incident Energy (eV)

20-Ca-44

MAT 2037

He-3 Production  
Cross Section

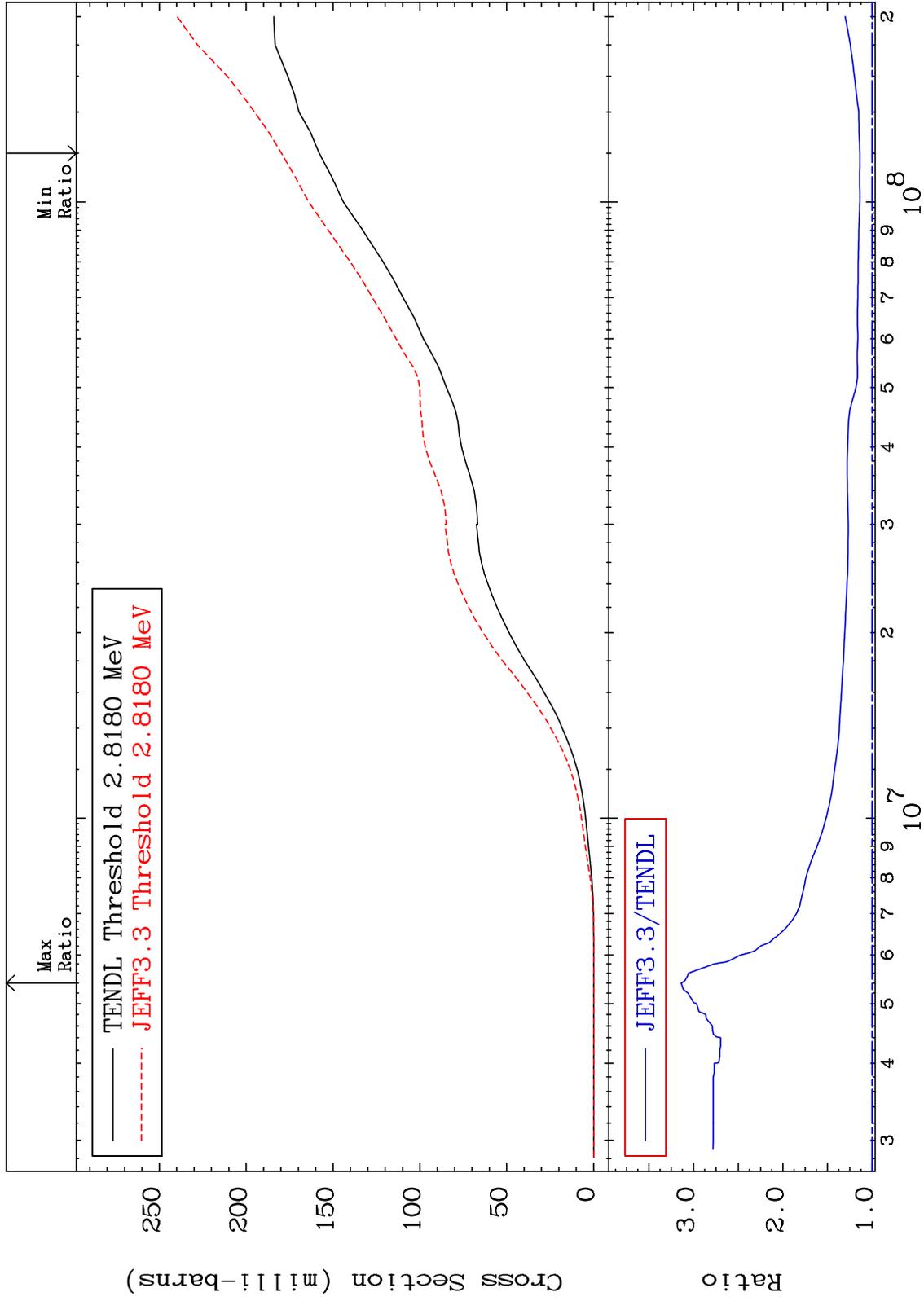
20-Ca-44  
-0.117 To 25.57 %



MAT 2037

He-4 Production  
Cross Section

20-Ca-44  
13.75 To 214.0 %



65

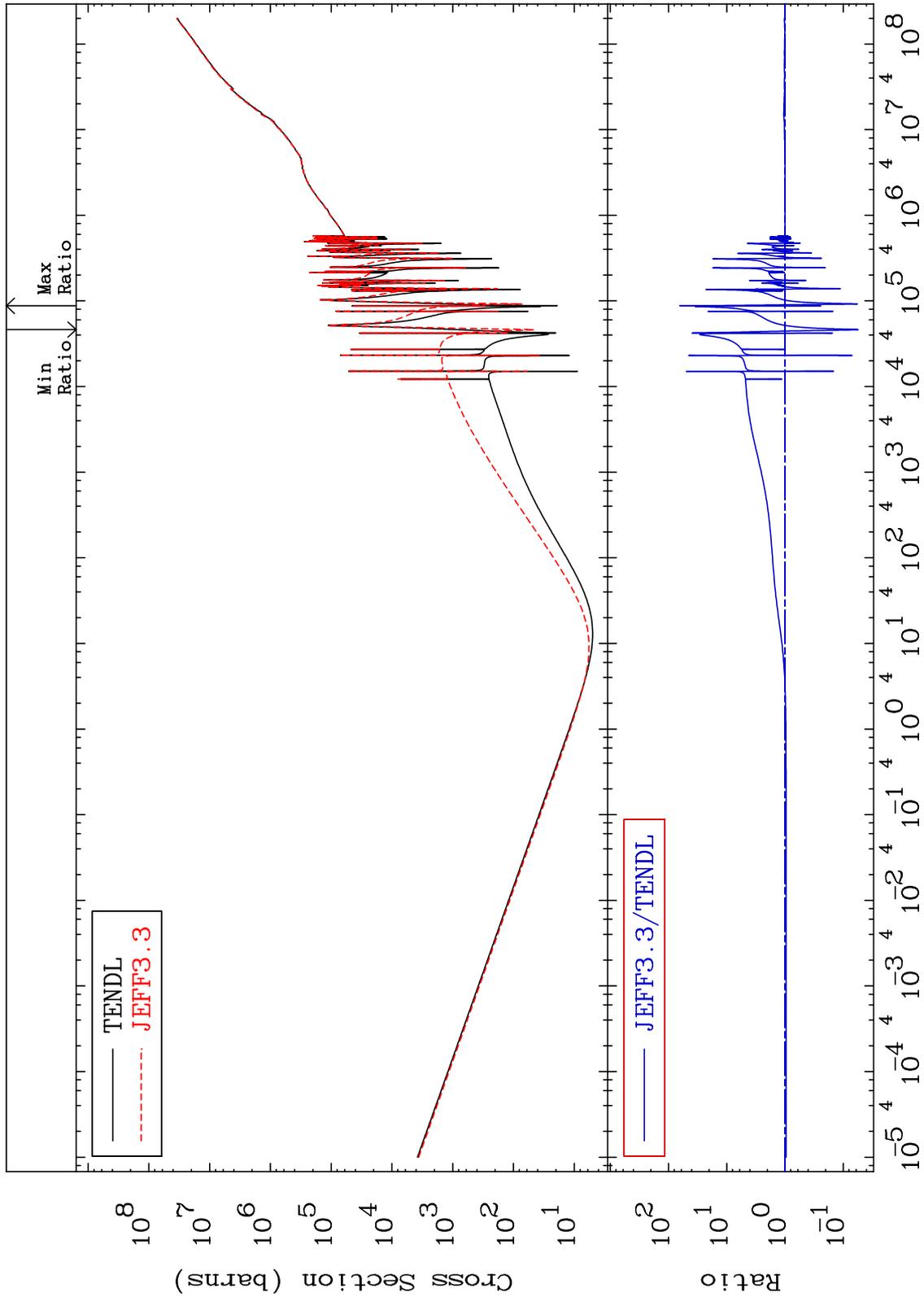
Incident Energy (eV)

20-Ca-44

MAT 2037

Kerma total (eV-barns)  
Cross Section

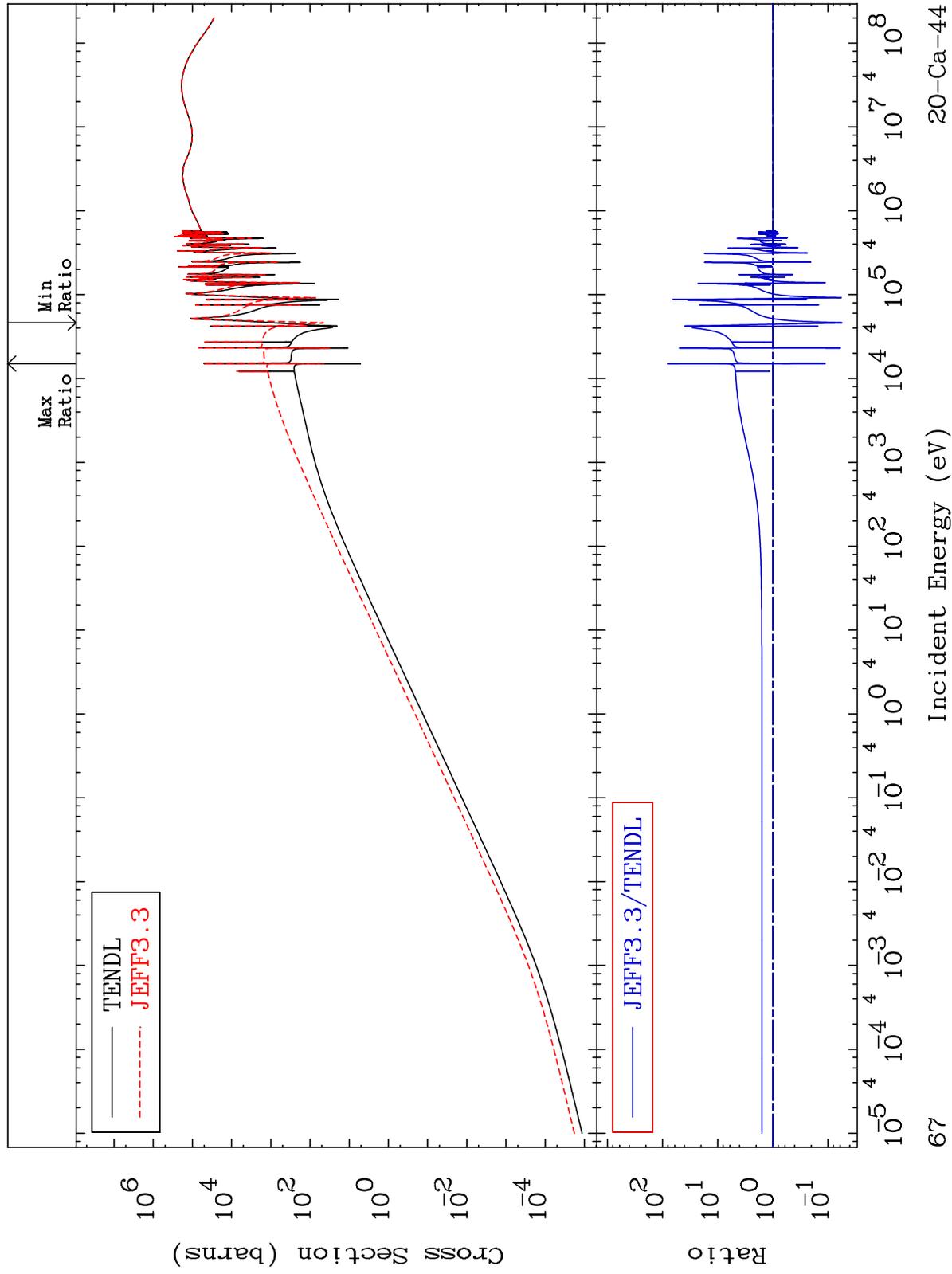
20-Ca-44  
-94.51 To 6252. %



MAT 2037

Kerma elastic  
Cross Section

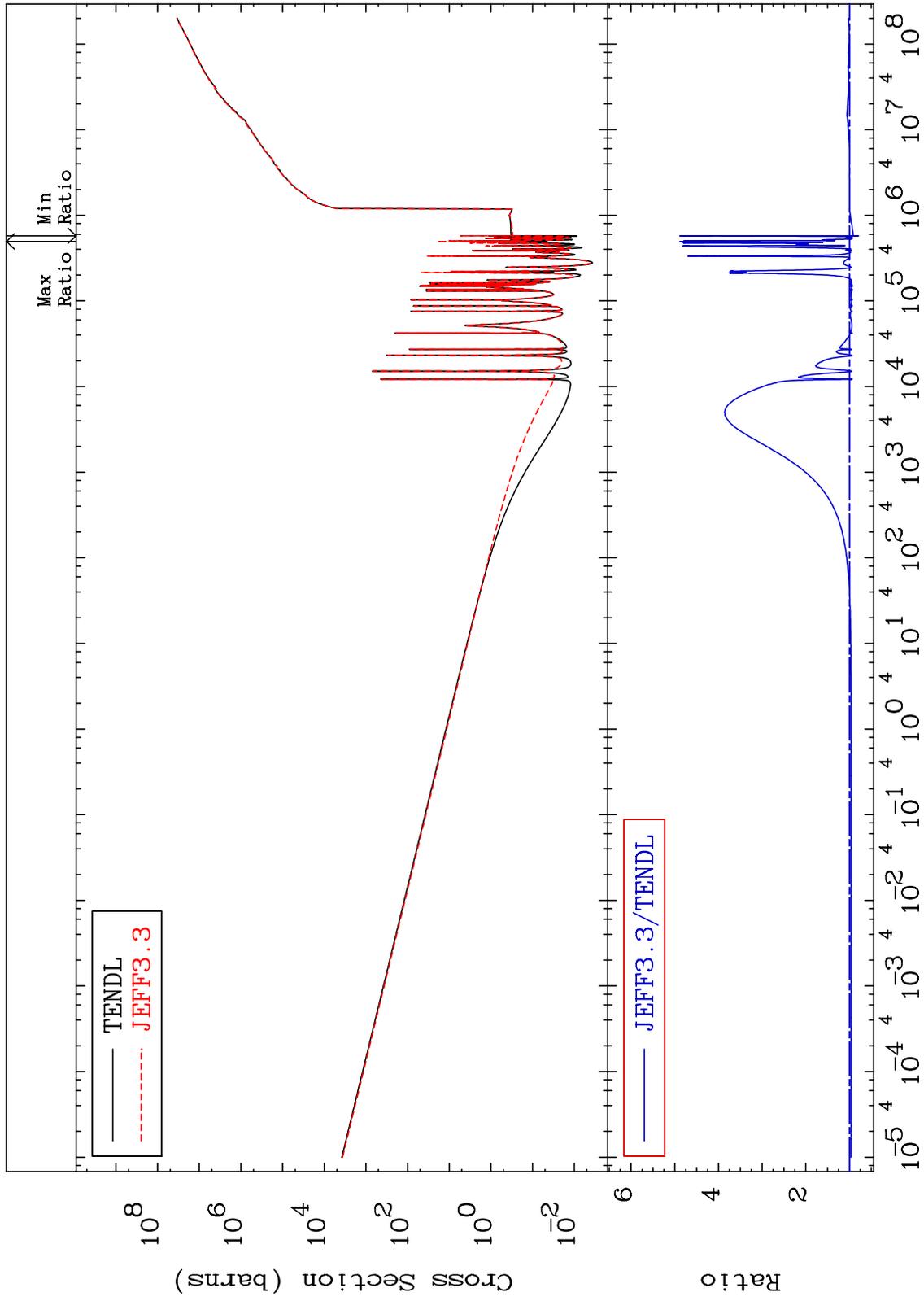
20-Ca-44  
-94.52 To 8001. %

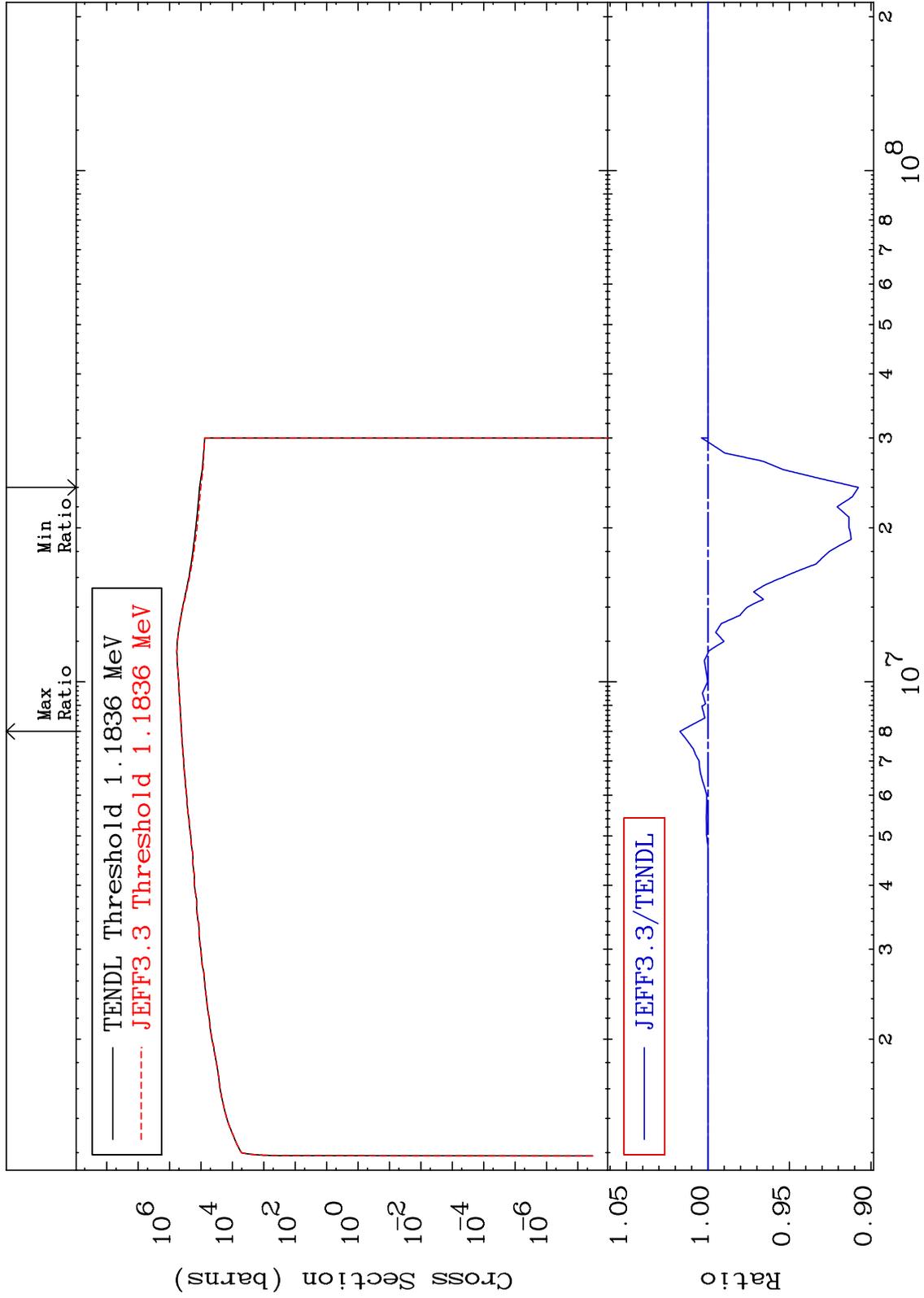


MAT 2037

Kerma non-elastic (all but mt2)  
Cross Section

20-Ca-44  
-20.58 To 388.1 %

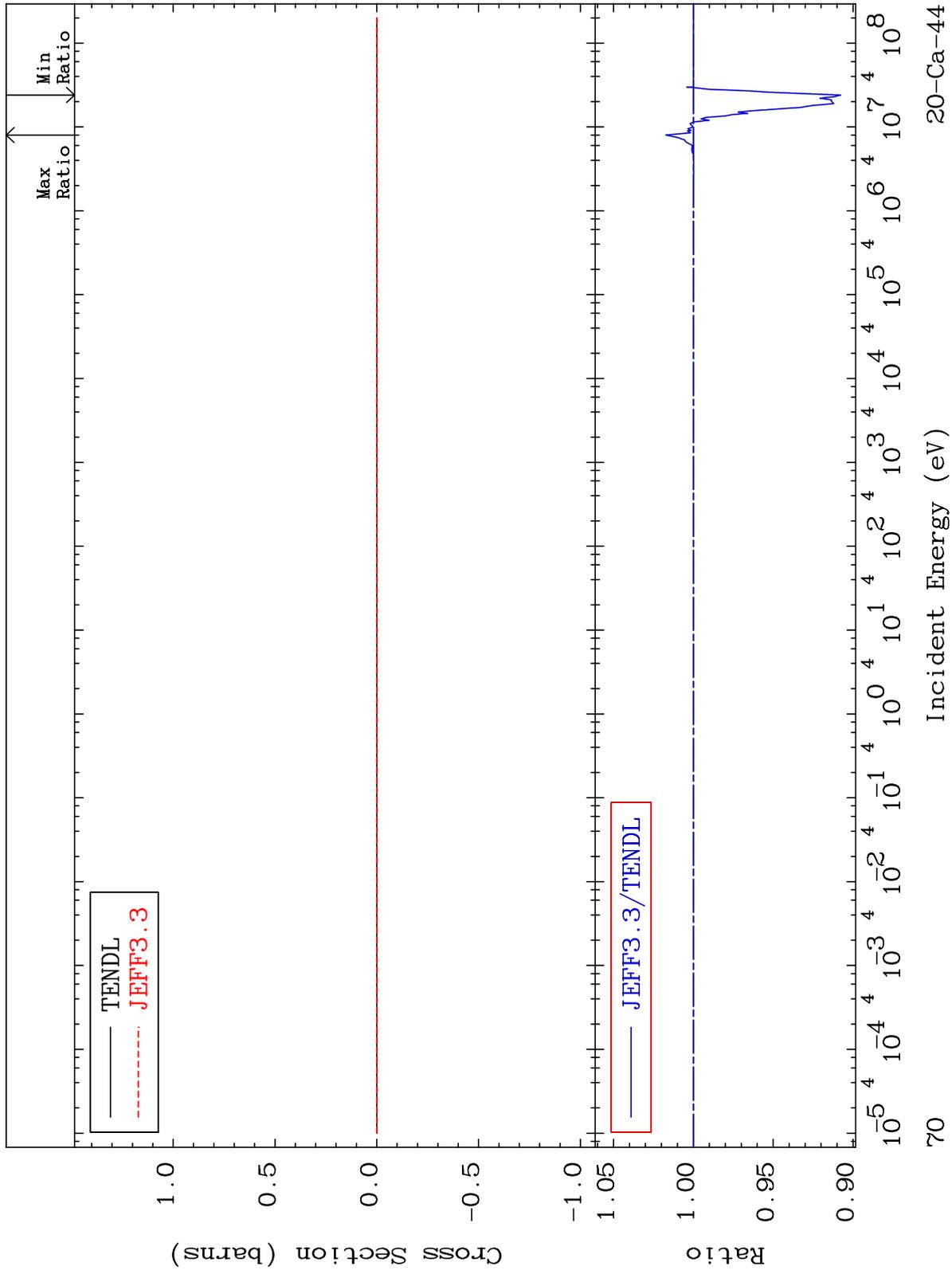




MAT 2037

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

20-Ca-44  
-9.231 To 1.716 %



20-Ca-44

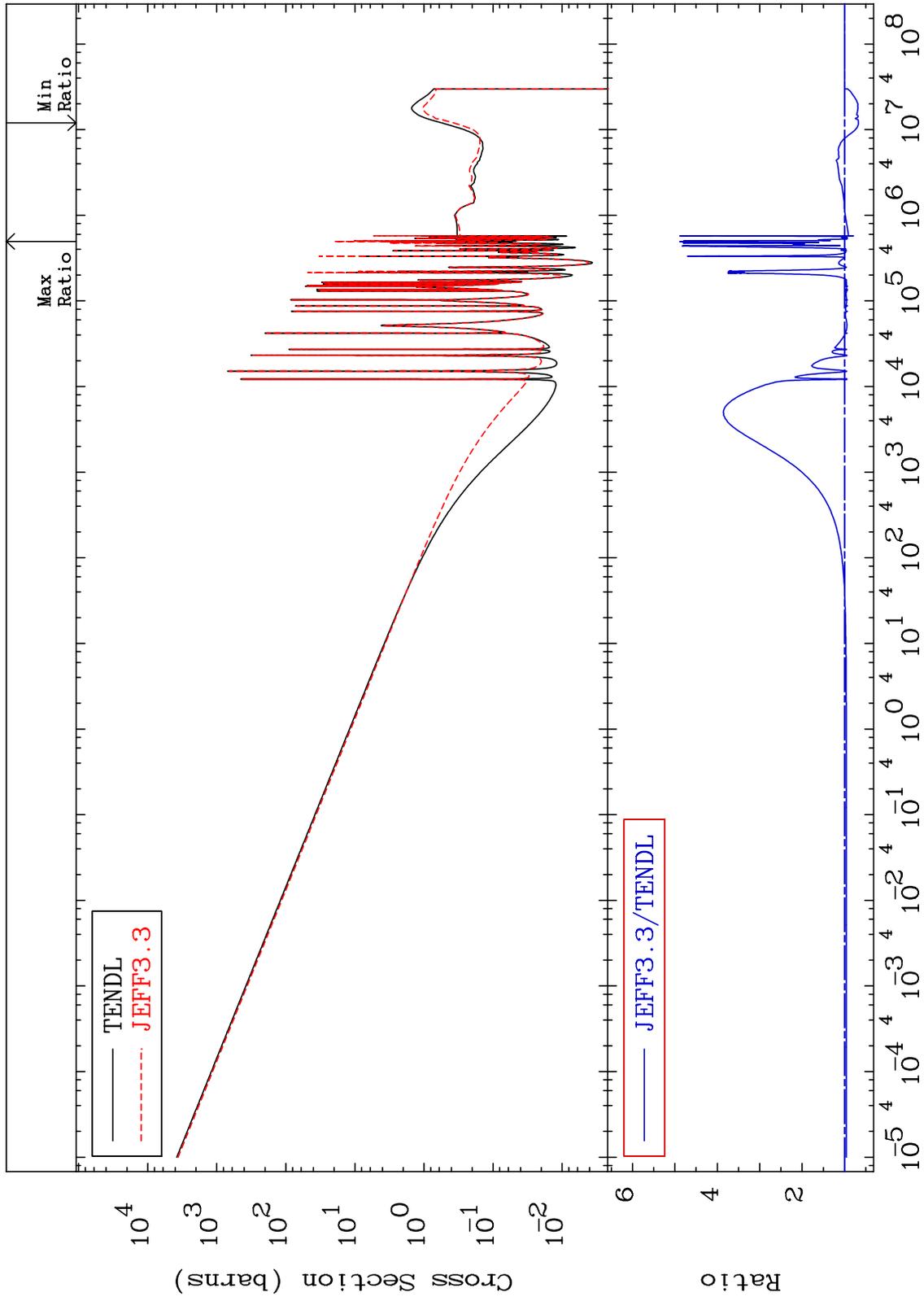
Incident Energy (eV)

70

MAT 2037

Kerma capture (mt102)  
Cross Section

20-Ca-44  
-32.66 To 388.1 %



71

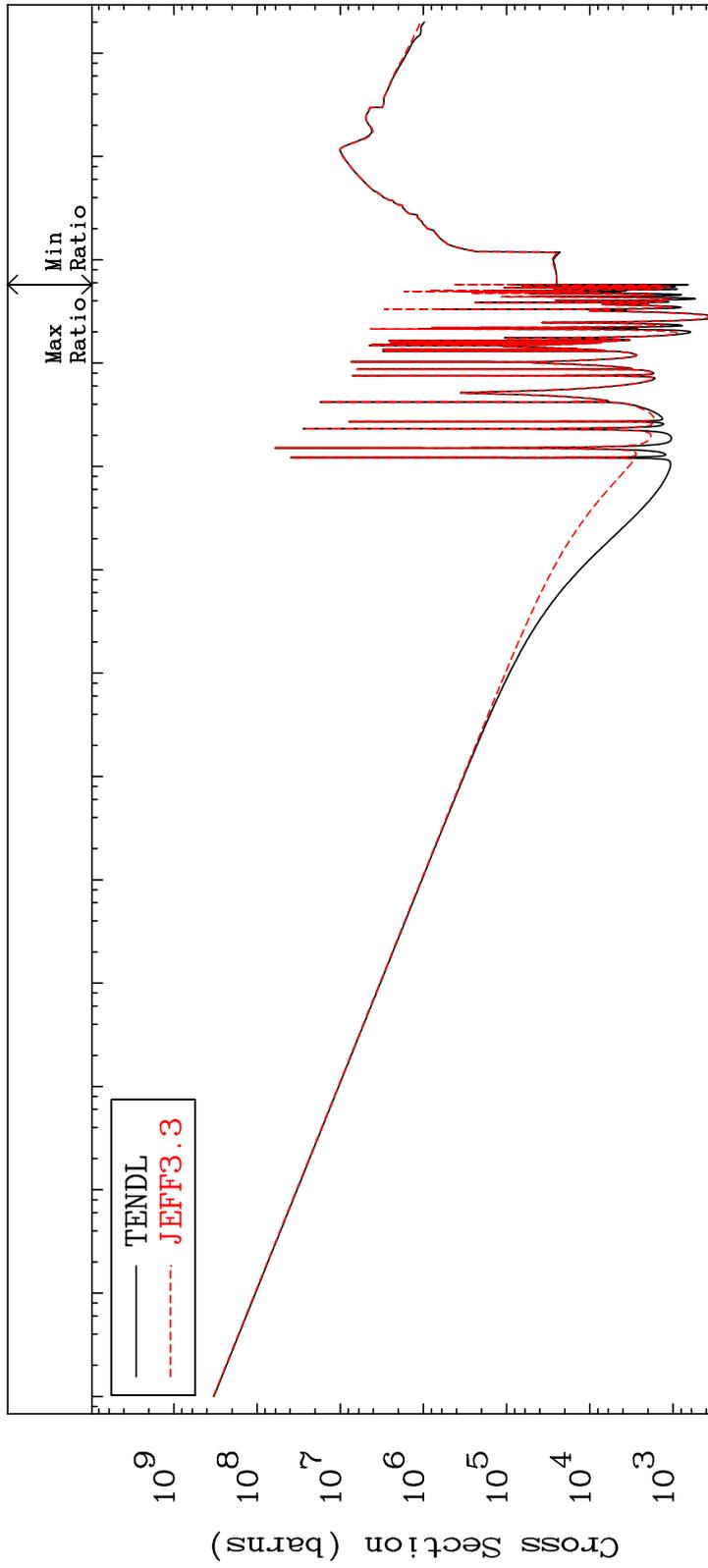
Incident Energy (eV)

20-Ca-44

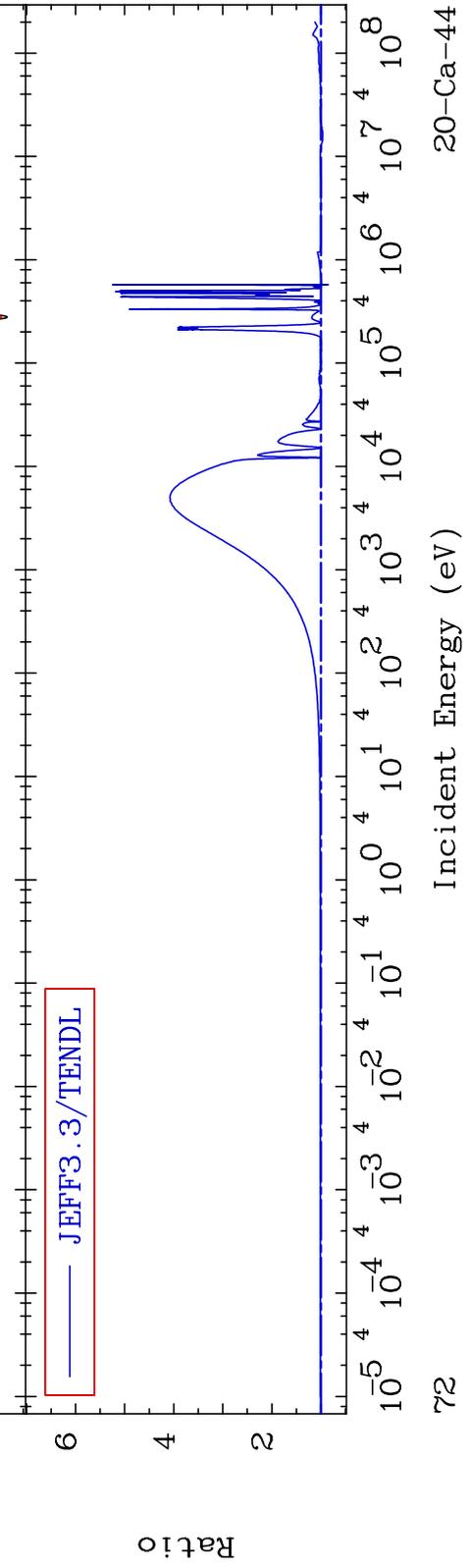
MAT 2037

Total photon (eV-barns)  
Cross Section

20-Ca-44  
-14.59 To 424.2 %



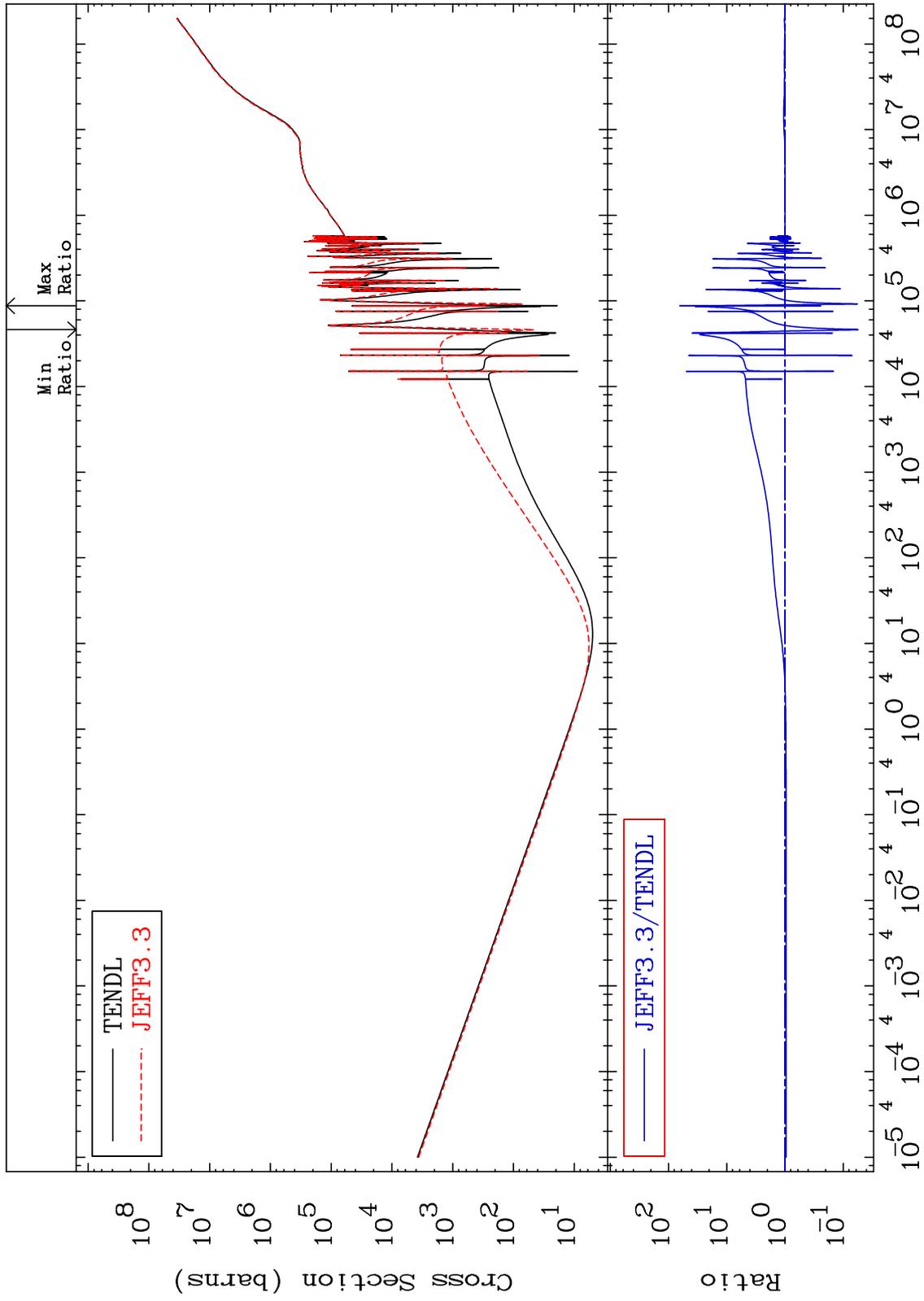
JEFF3.3/TENDL



MAT 2037

Total kinematic kerma (high limit)  
Cross Section

20-Ca-44  
-94.51 To 6252. %



73

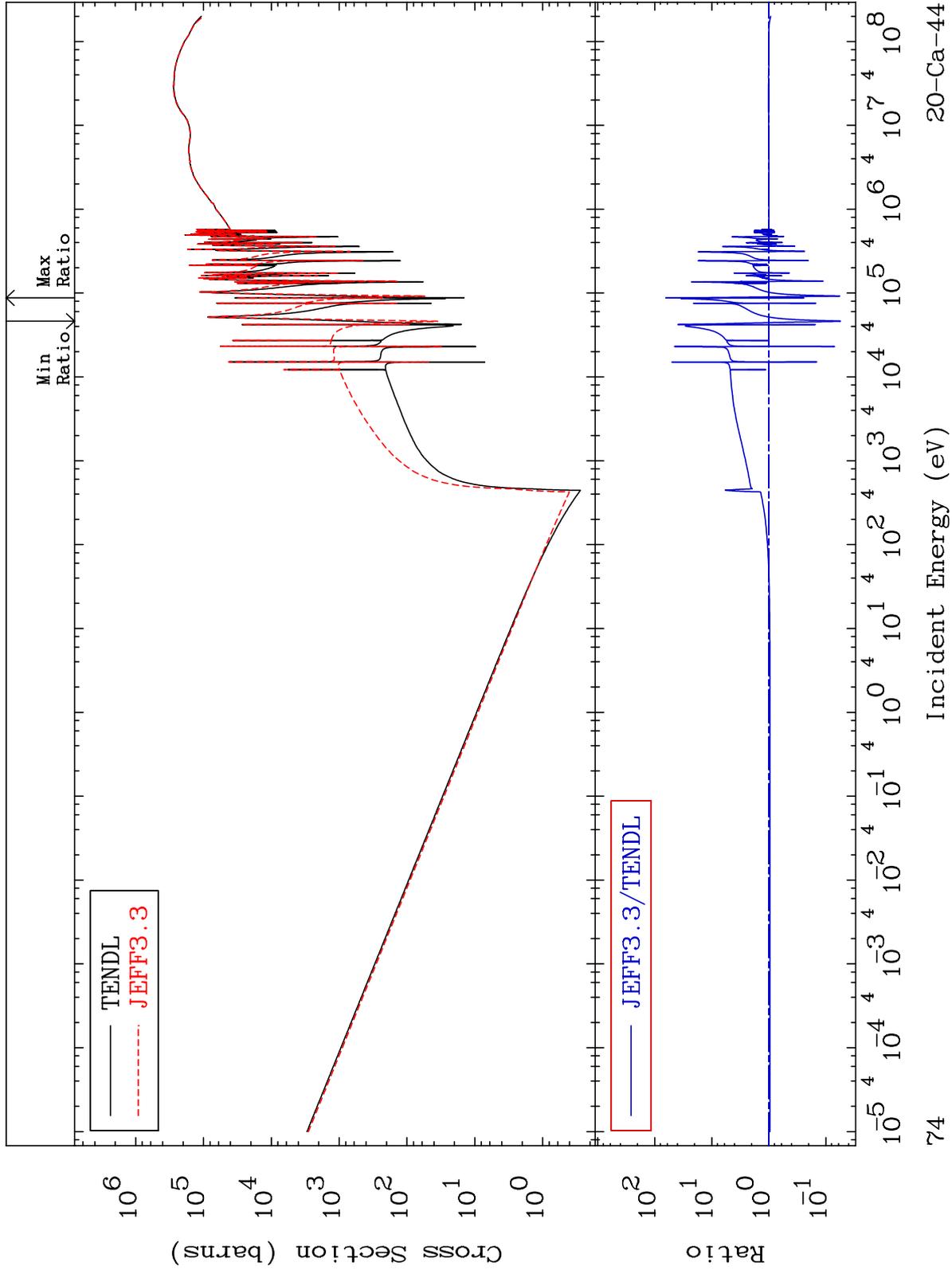
Incident Energy (eV)

20-Ca-44

MAT 2037

Dpa total (eV-barns)  
Cross Section

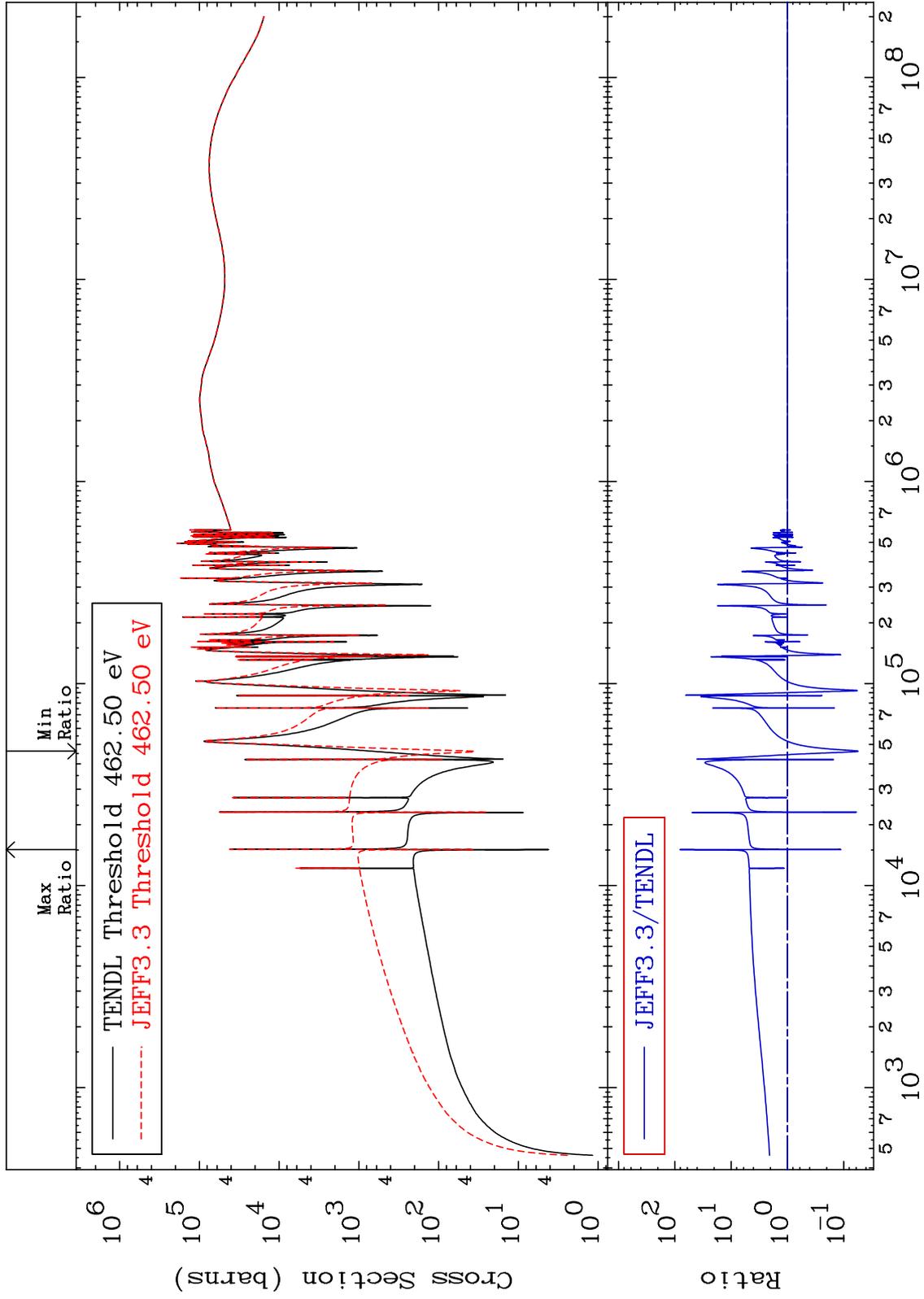
20-Ca-44  
-94.51 To 6251. %



MAT 2037

Dpa elastic (mt2)  
Cross Section

20-Ca-44  
-94.52 To 8001. %



75

Incident Energy (eV)

20-Ca-44

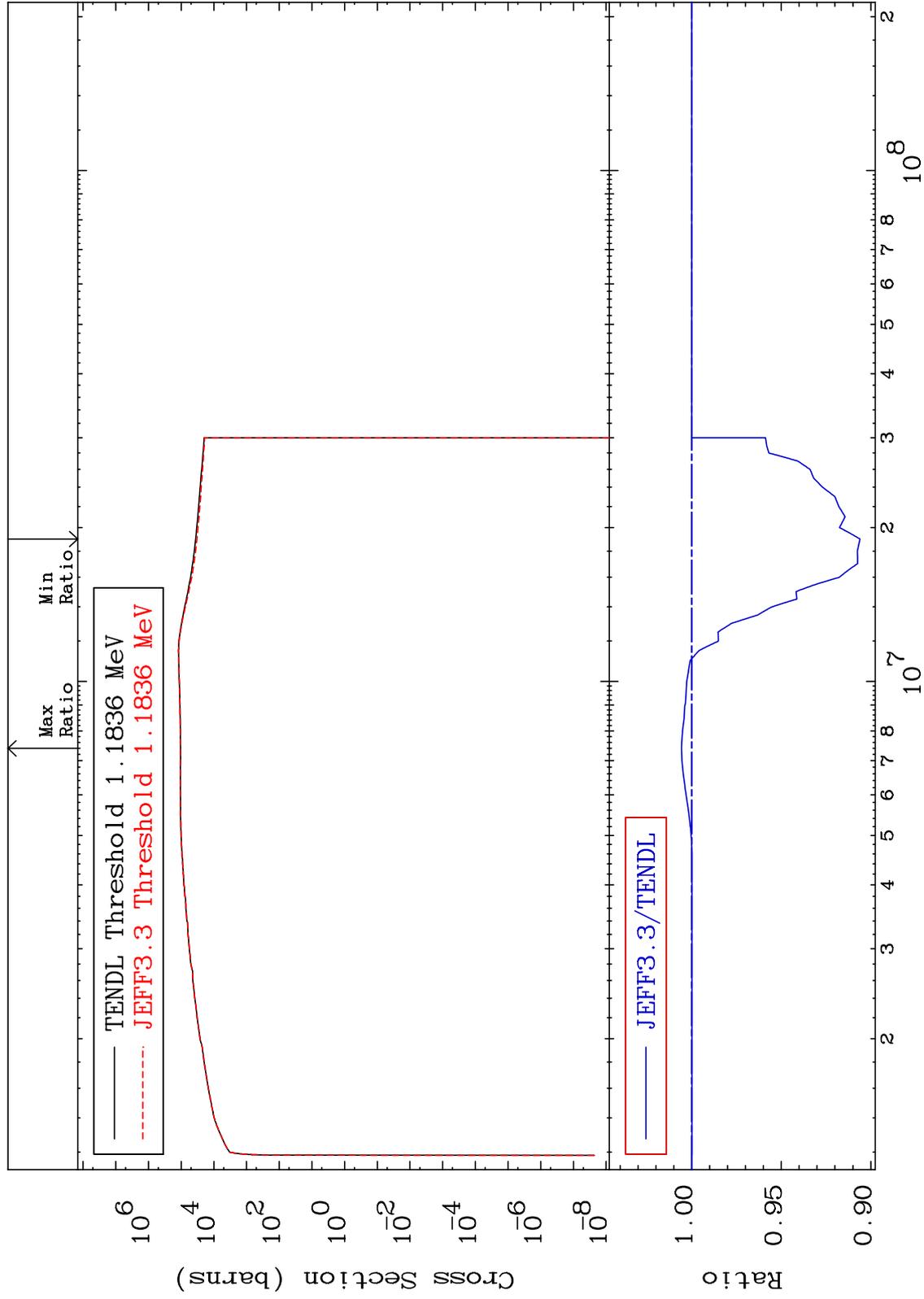
MAT 2037

Dpa inelastic (mt51-91)

20-Ca-44

-9.398 To 0.567 %

Cross Section



76

Incident Energy (eV)

20-Ca-44

MAT 2037

Dpa disappearance (mt102 -120)  
Cross Section

20-Ca-44  
-21.07 To 385.4 %

