

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

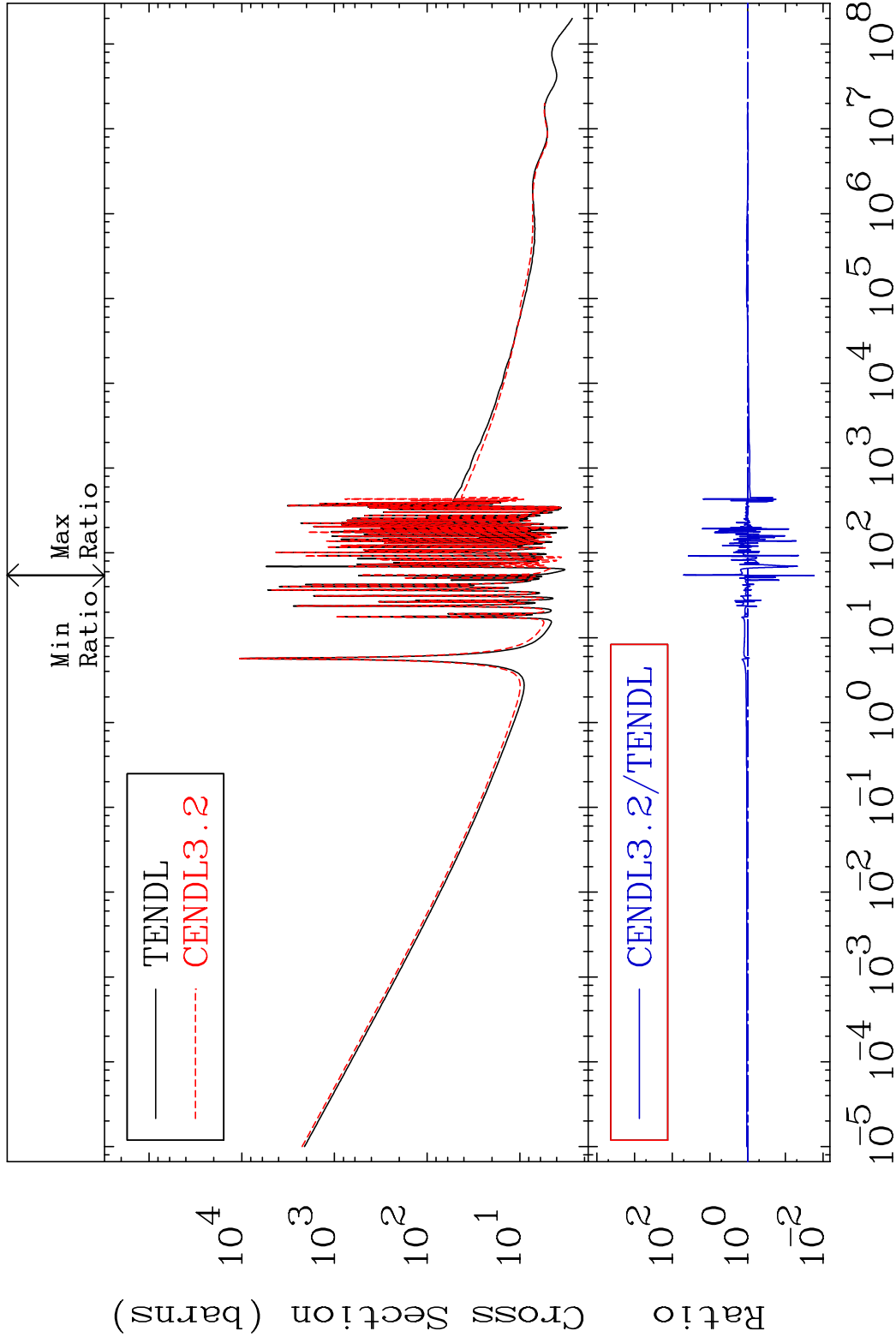
MAT 7240

Total

72-Hf-179

Cross Section

-98.27 To 4883. %



1

Incident Energy (eV)

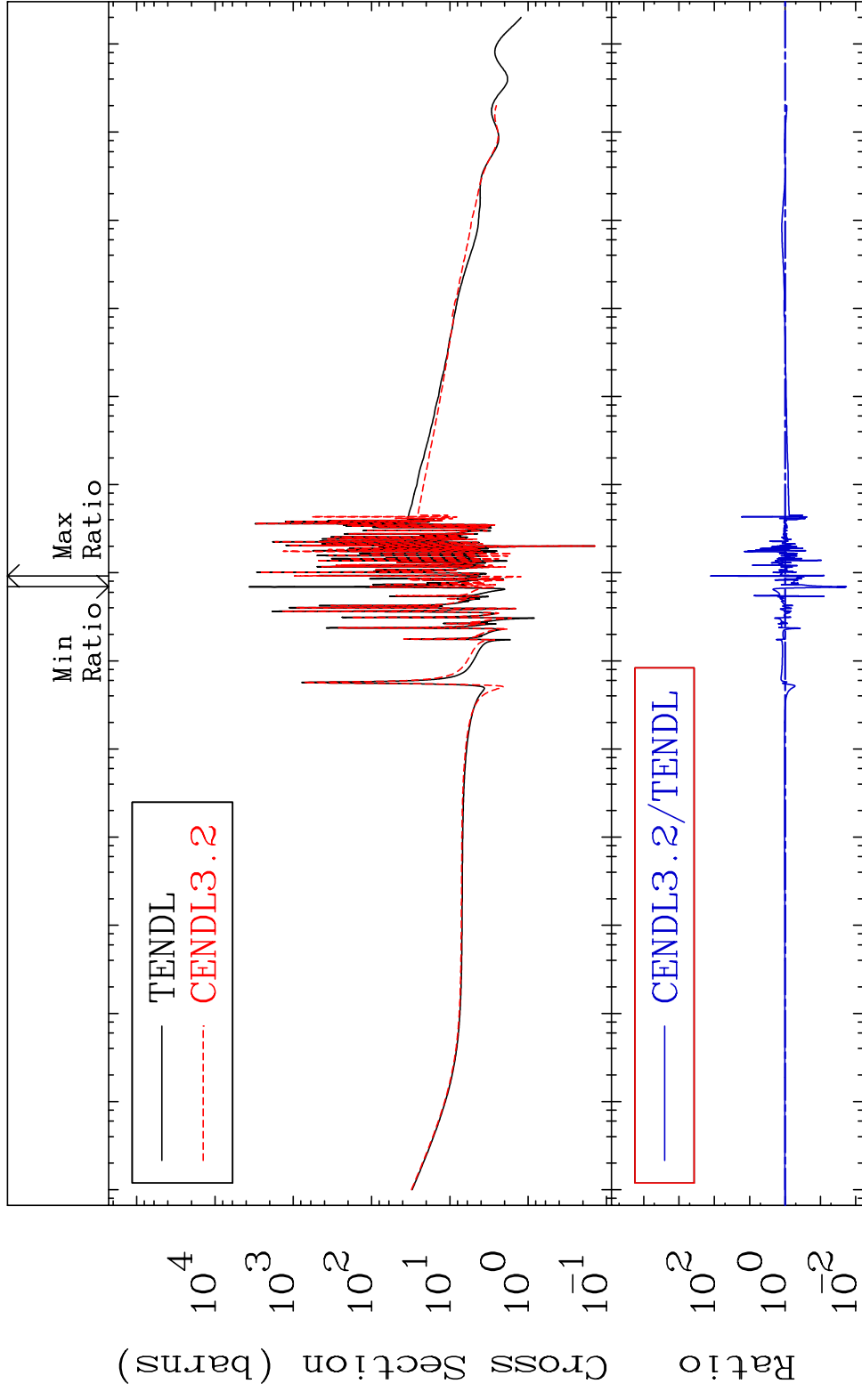
72-Hf-179

MAT 7240

72-Hf-179

Elastic

Cross Section -98.15 To 9999. %

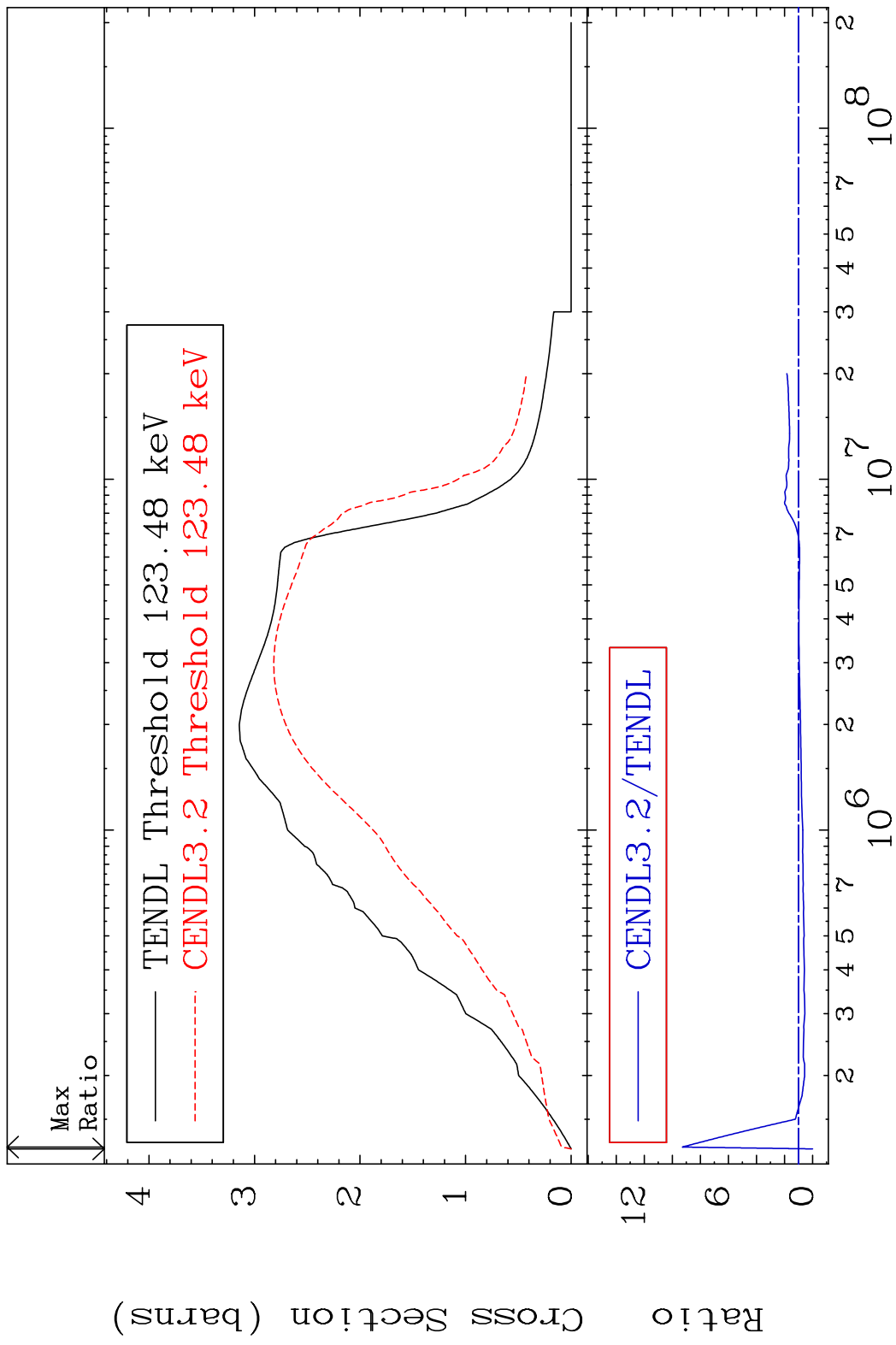


2

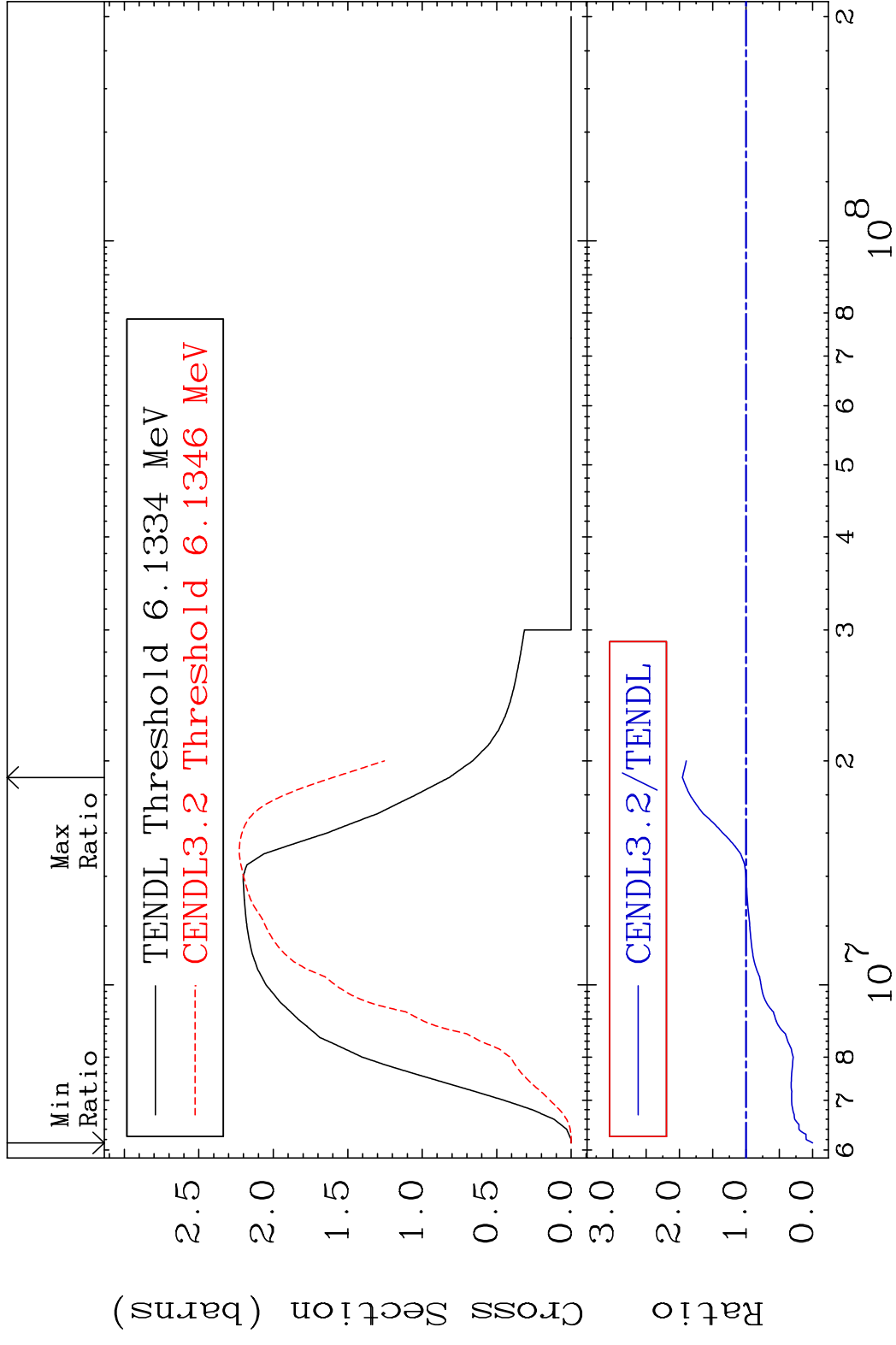
Incident Energy (eV)

72-Hf-179

MAT 7240                      Inelastic                      72-Hf-179  
 Cross Section                      -100.0 To 828.1 %



MAT 7240 (n,2n) 72-Hf-179  
 Cross Section -100.0 To 95.53 %



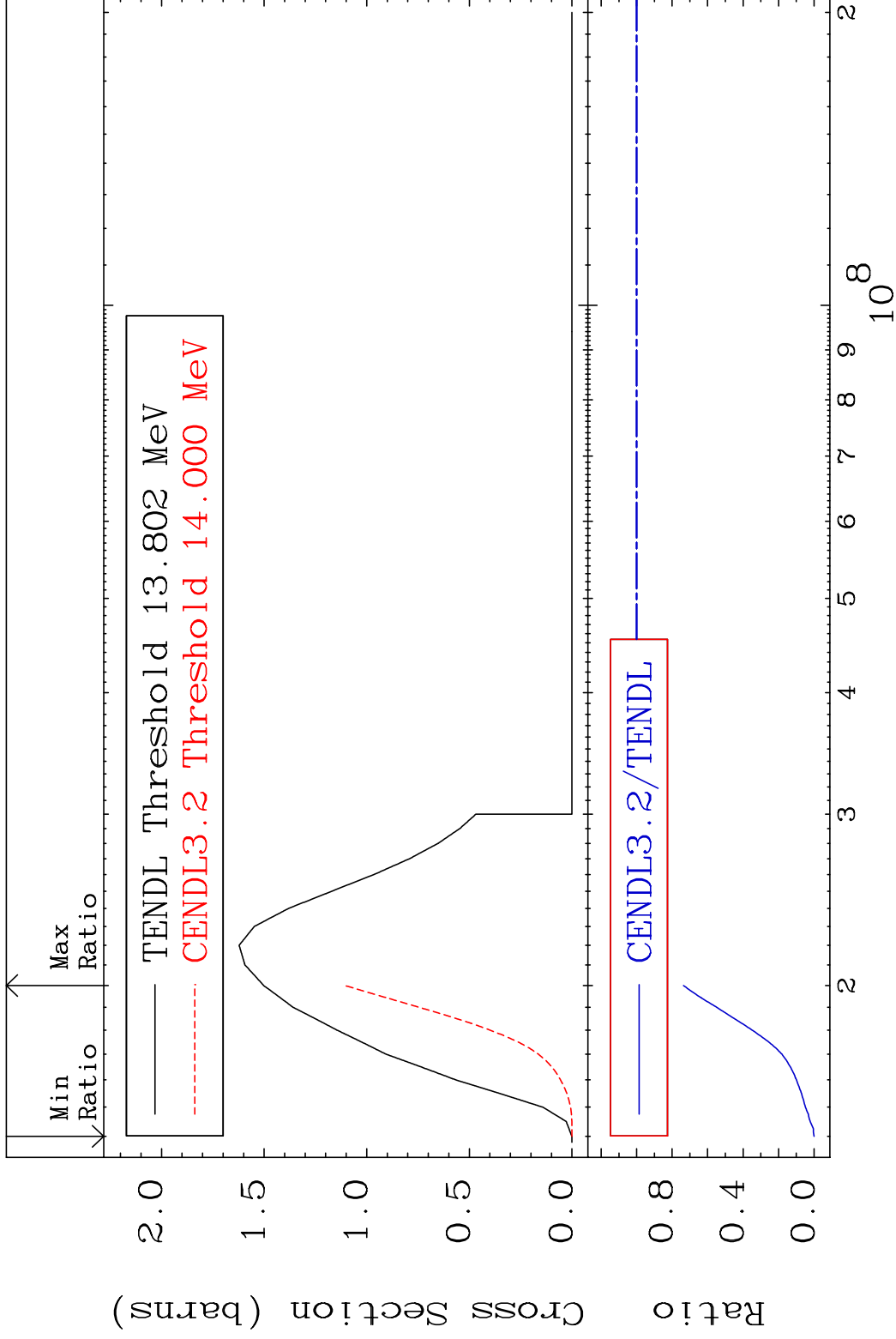
4 Incident Energy (eV) 72-Hf-179

MAT 7240

(n,3n)

72-Hf-179

Cross Section -100.0 To -26.40%



5

Incident Energy (eV)

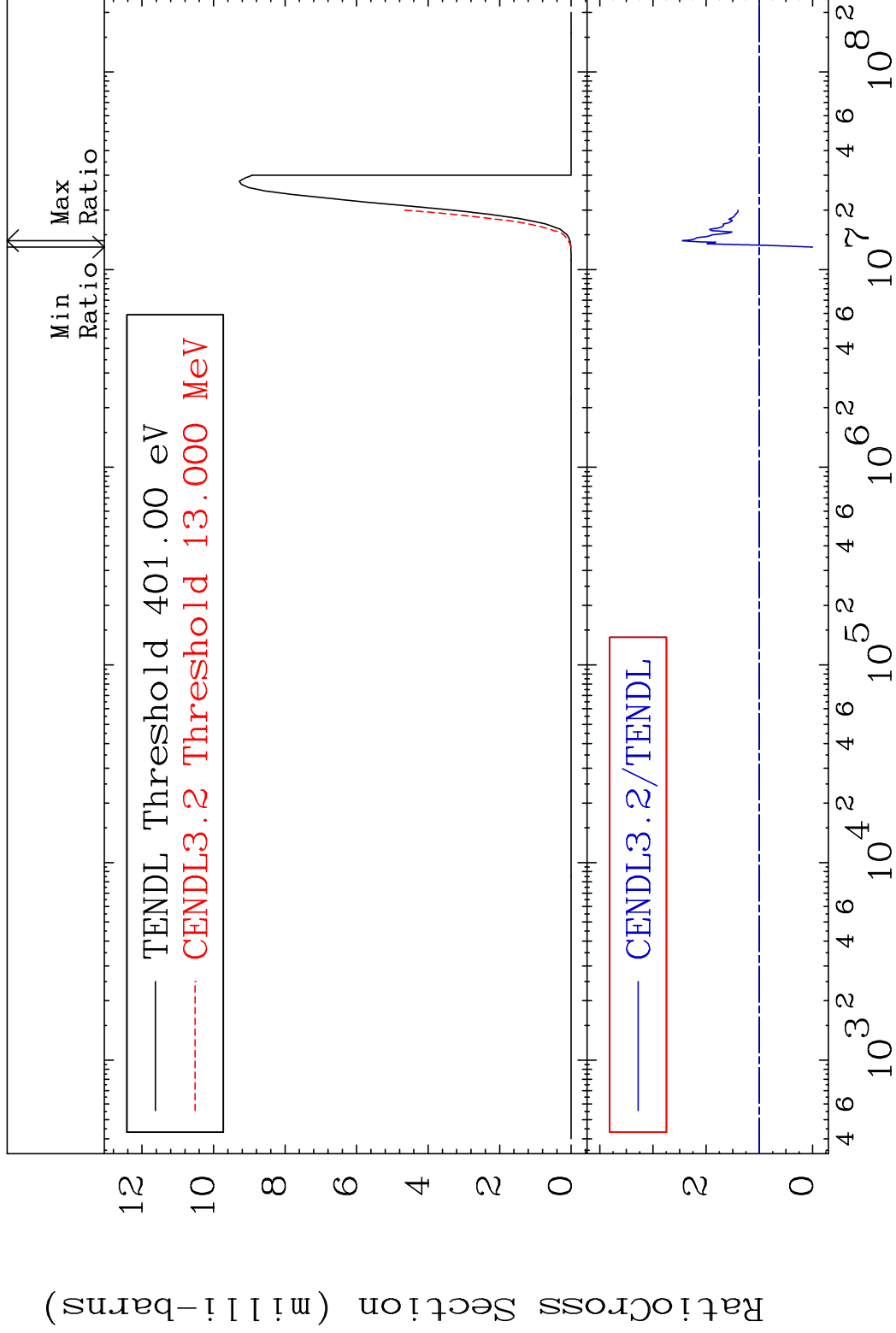
72-Hf-179

MAT 7240

(n, n')  $\alpha$

72-Hf-179

Cross Section -100.0 To 144.7 %



6

Incident Energy (eV)

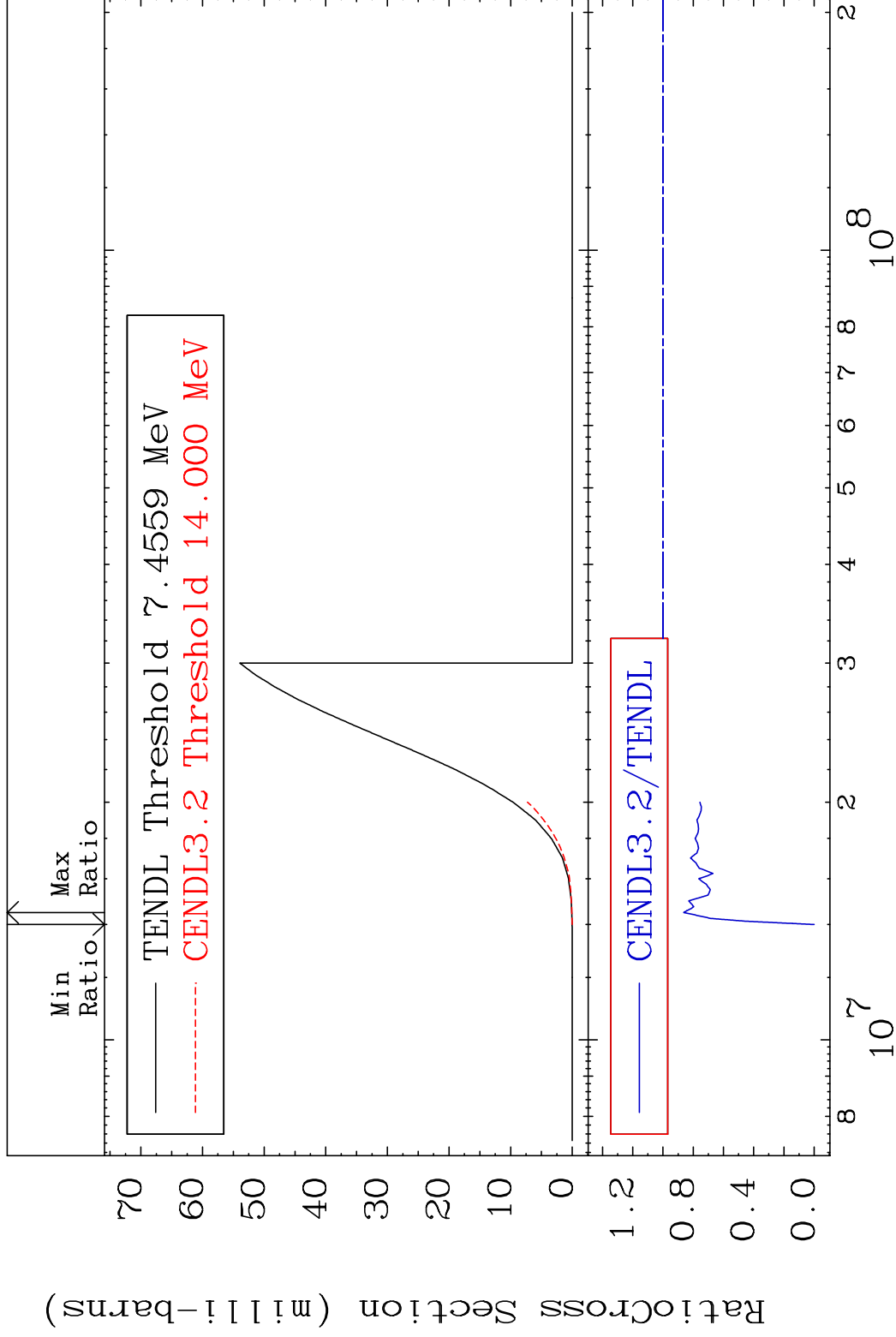
72-Hf-179

MAT 7240

(n, n') p

72-Hf-179

Cross Section -100.0 To -13.67%

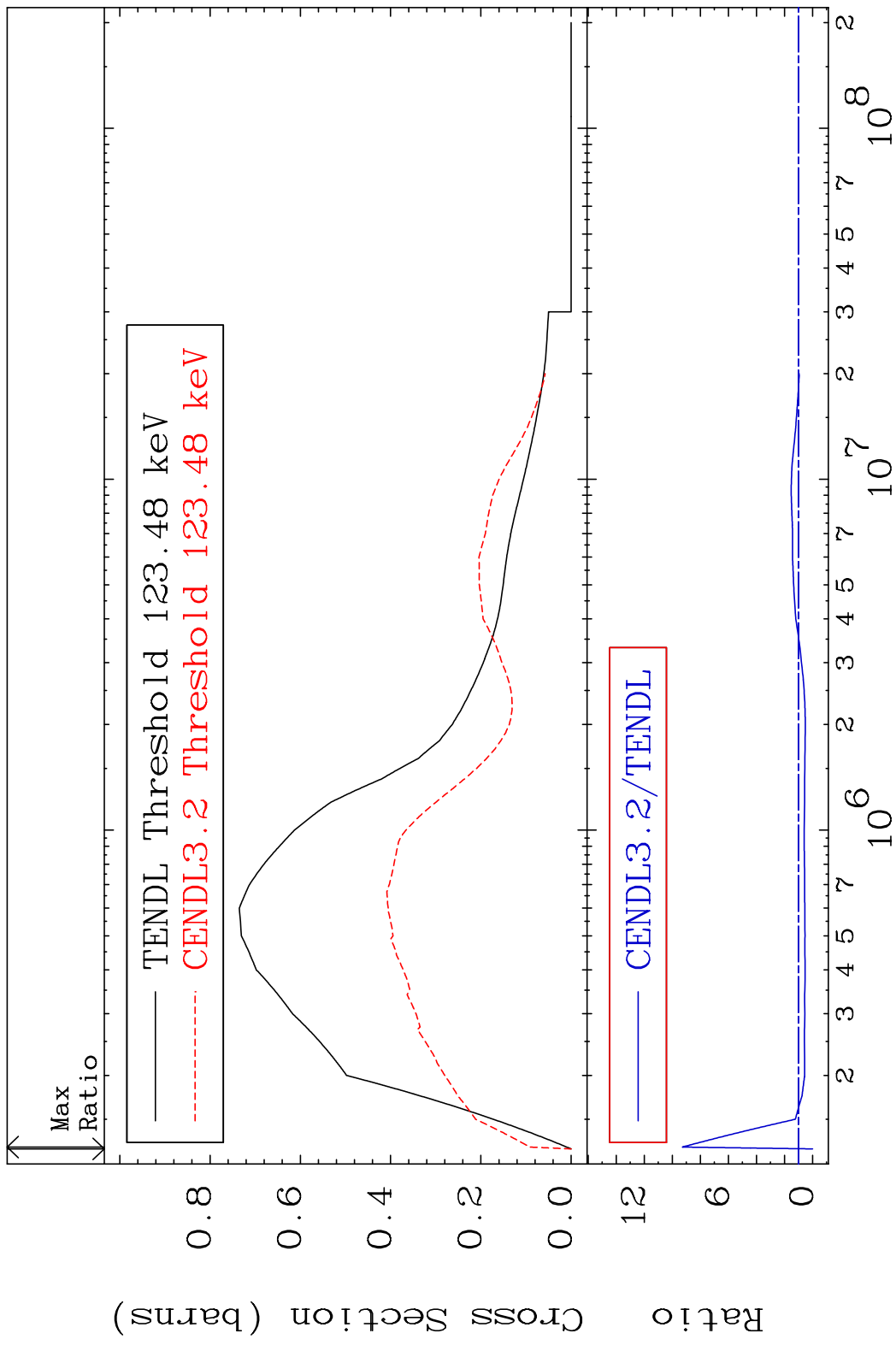


7

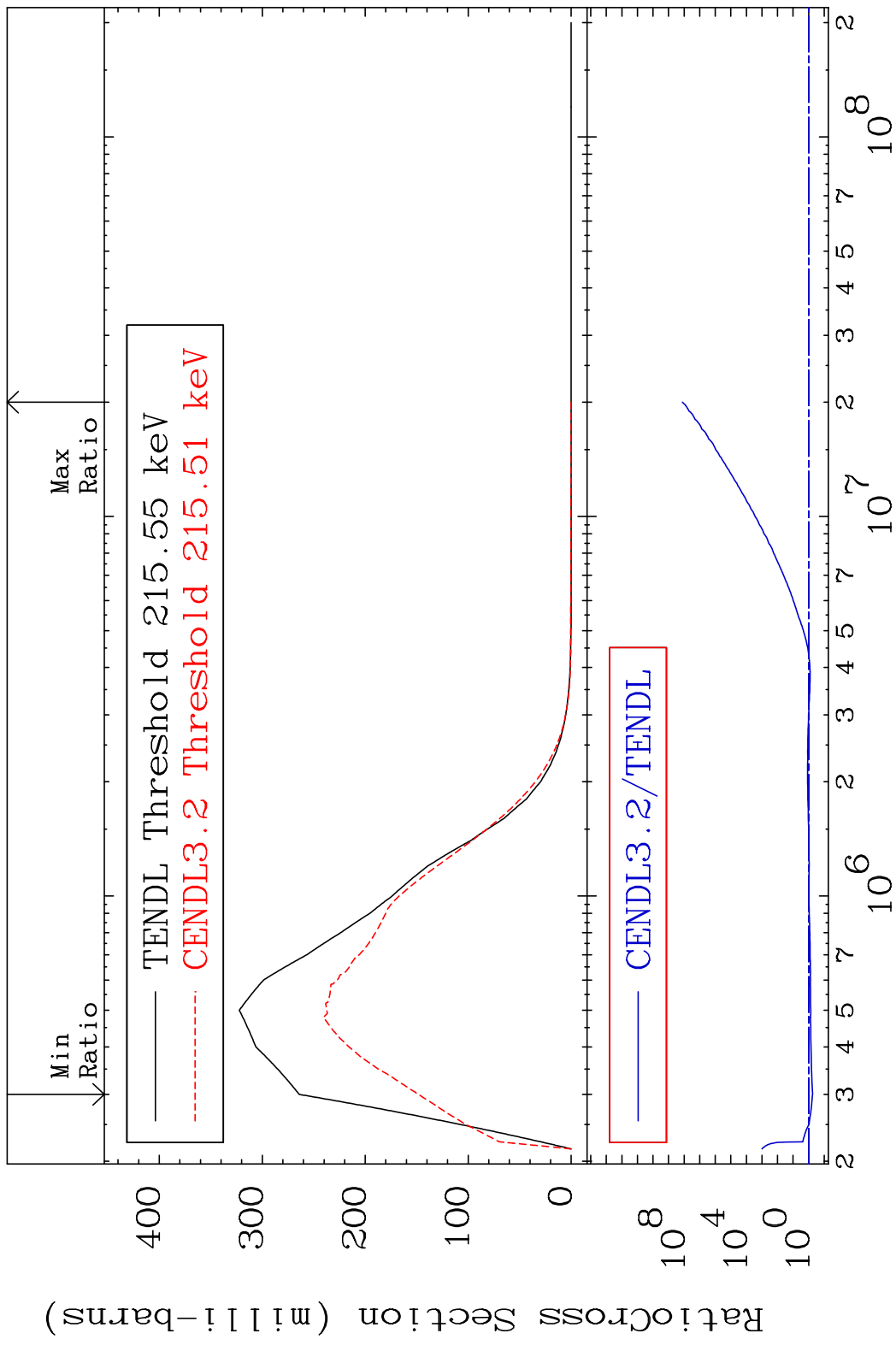
Incident Energy (eV)

72-Hf-179

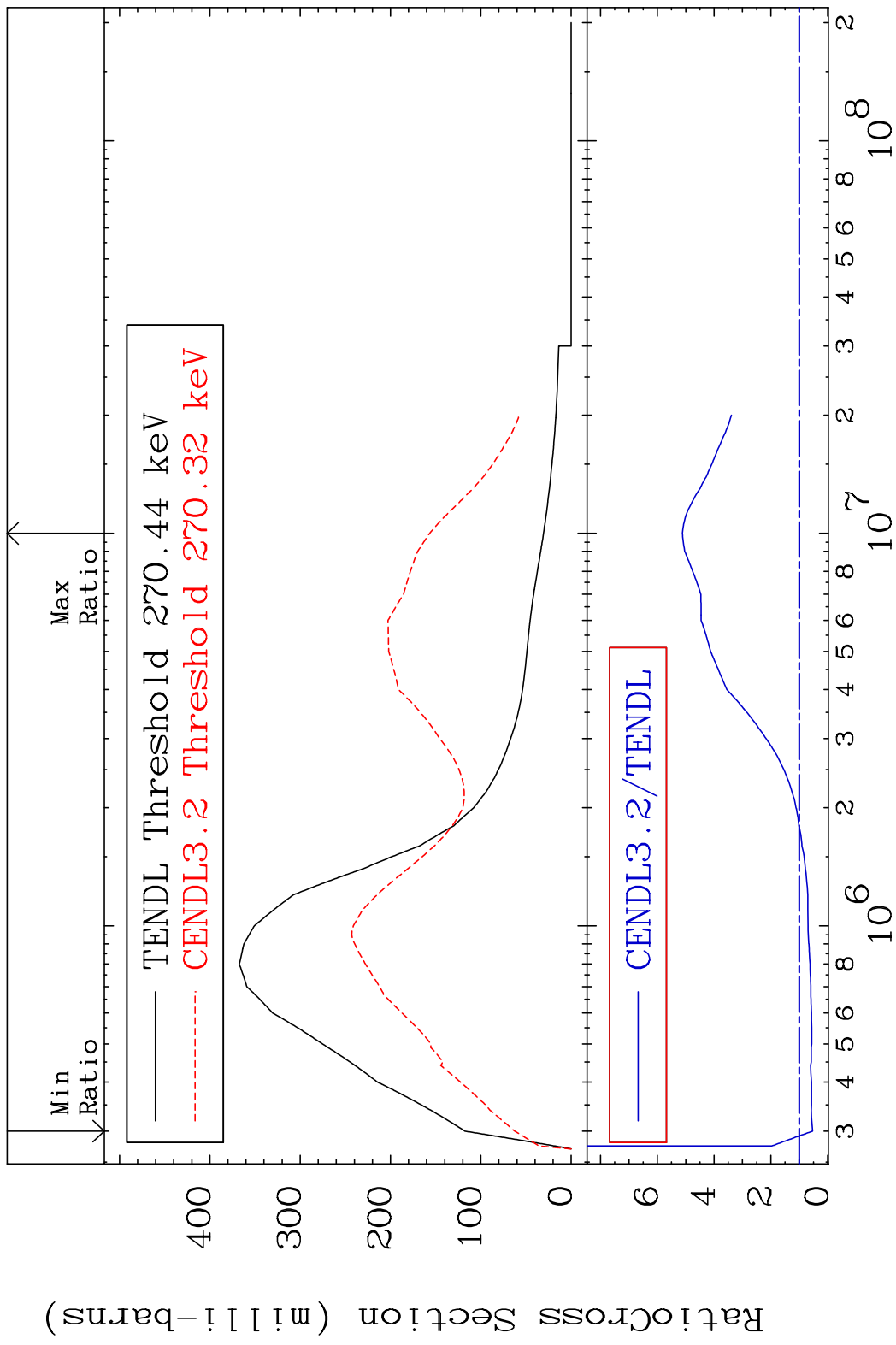
MAT 7240 MT= 51 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 828.1 %



MAT 7240 MT= 52 (n, n') Level 72-Hf-179  
 Cross Section -43.79 To 9999. %

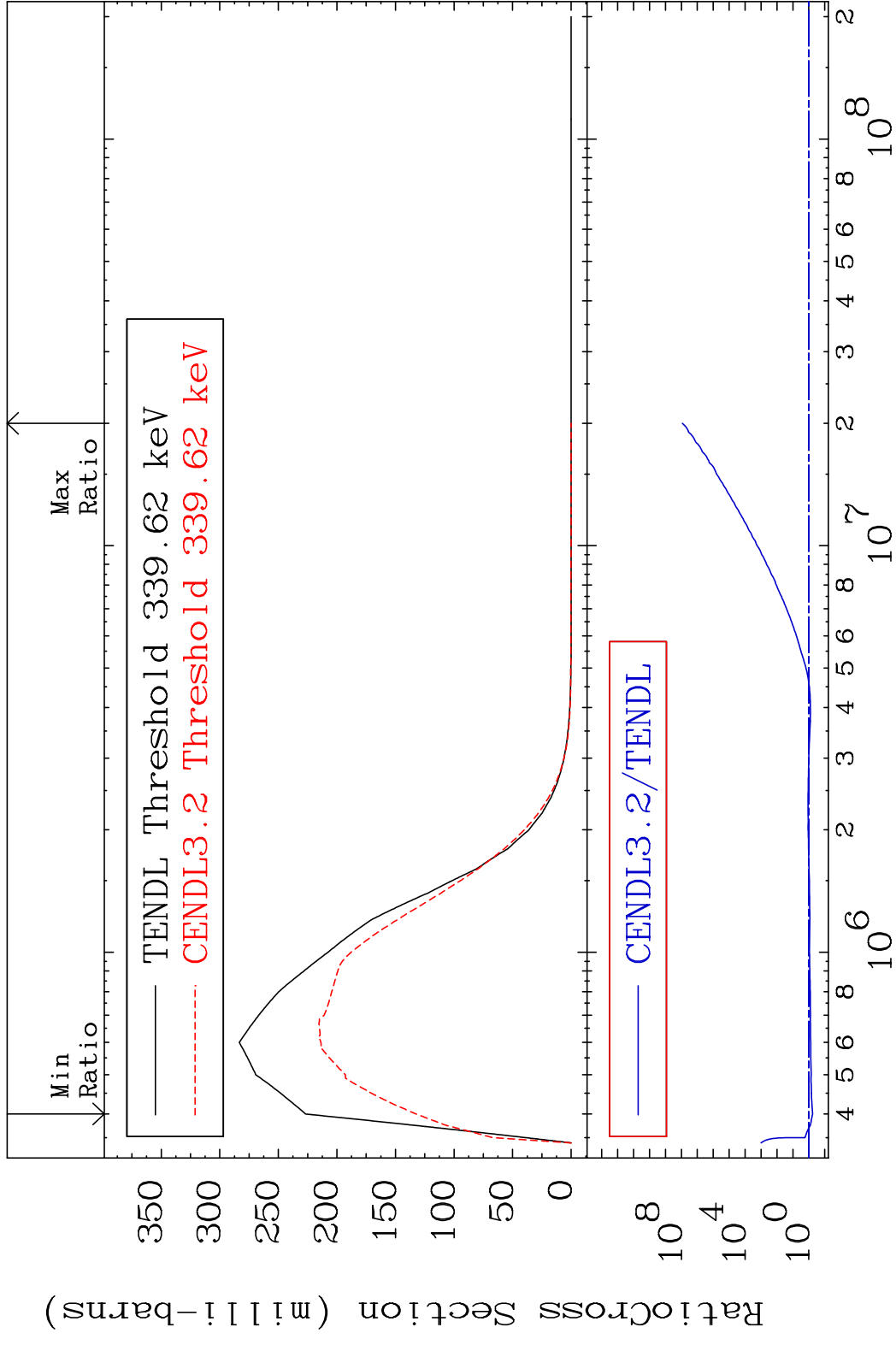


MAT 7240 MT= 53 (n, n') Level 72-Hf-179  
 Cross Section -46.90 To 411.8 %

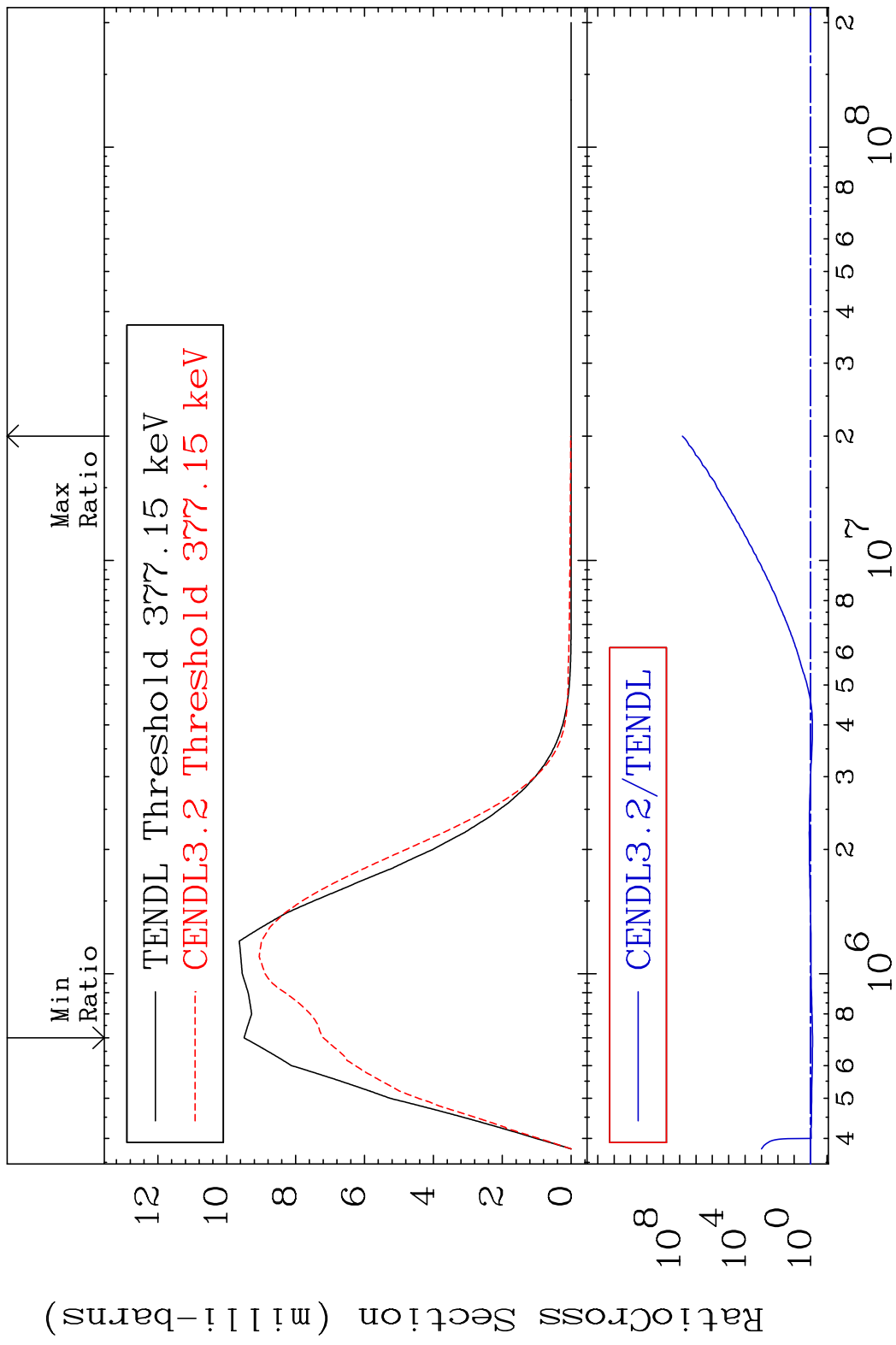


10 Incident Energy (eV) 72-Hf-179

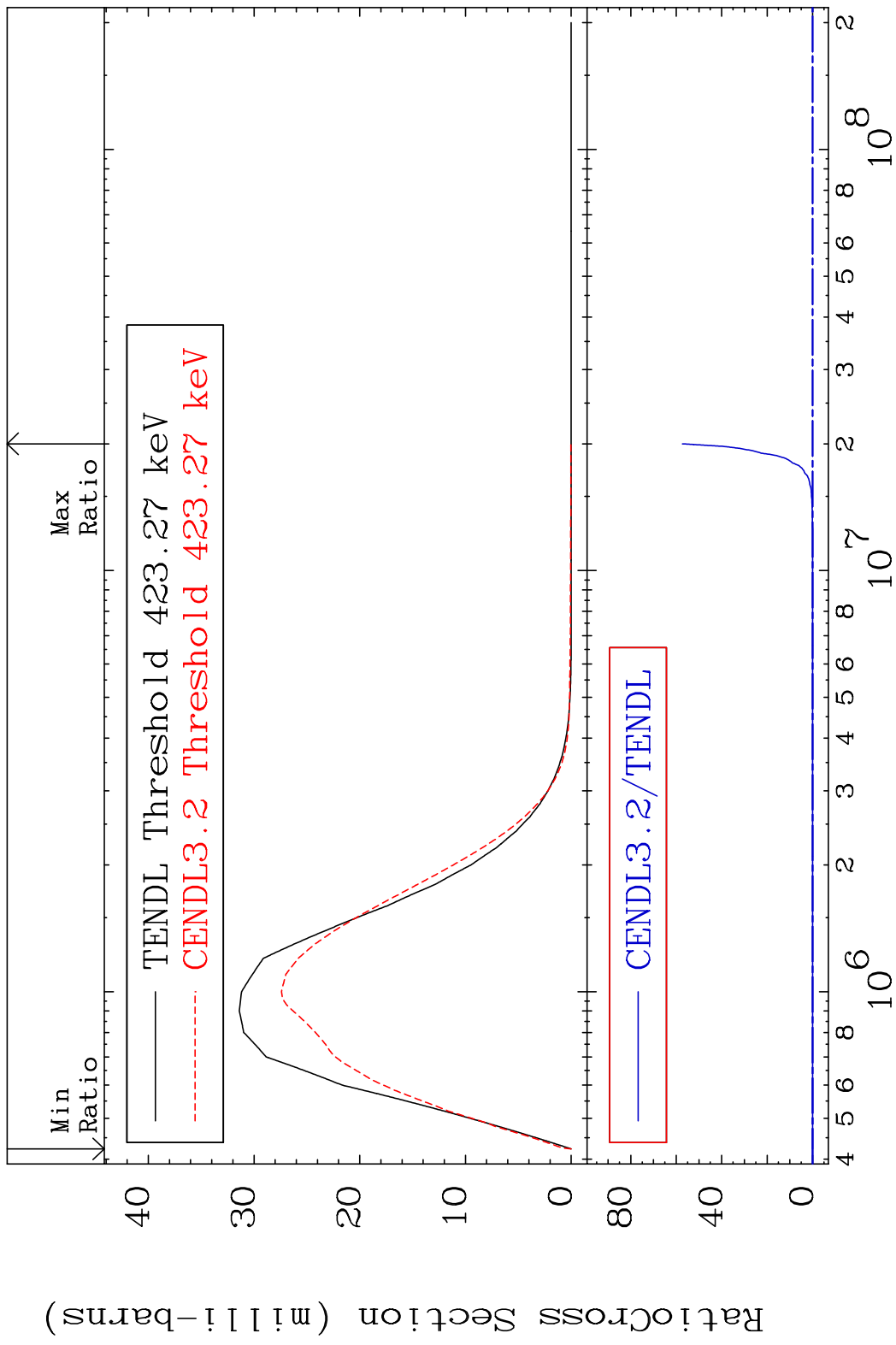
MAT 7240 MT= 54 (n, n') Level 72-Hf-179  
 Cross Section -41.59 To 9999. %



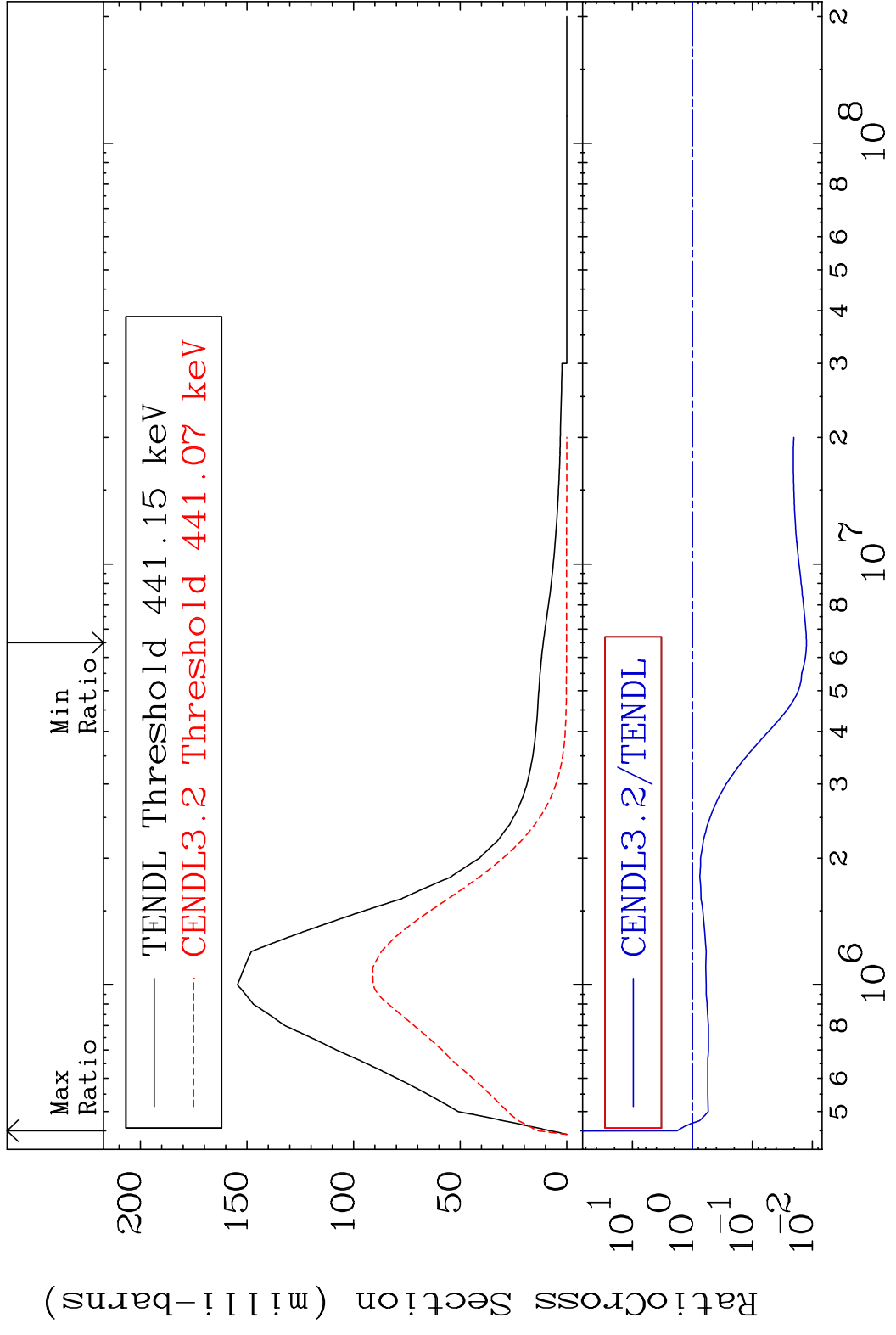
MAT 7240 MT= 55 (n, n') Level 72-Hf-179  
 Cross Section -24.31 To 9999. %



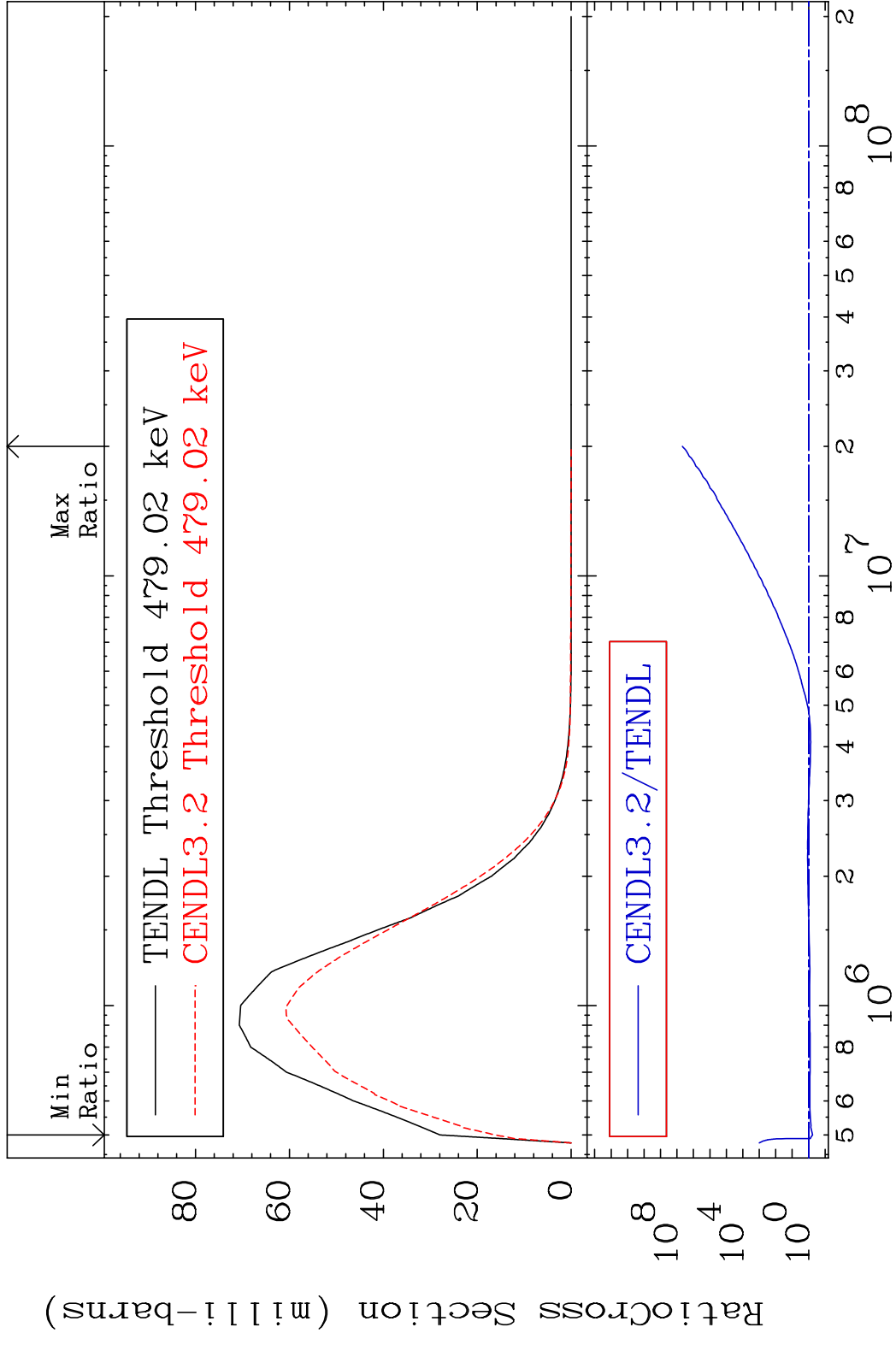
MAT 7240 MT= 56 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



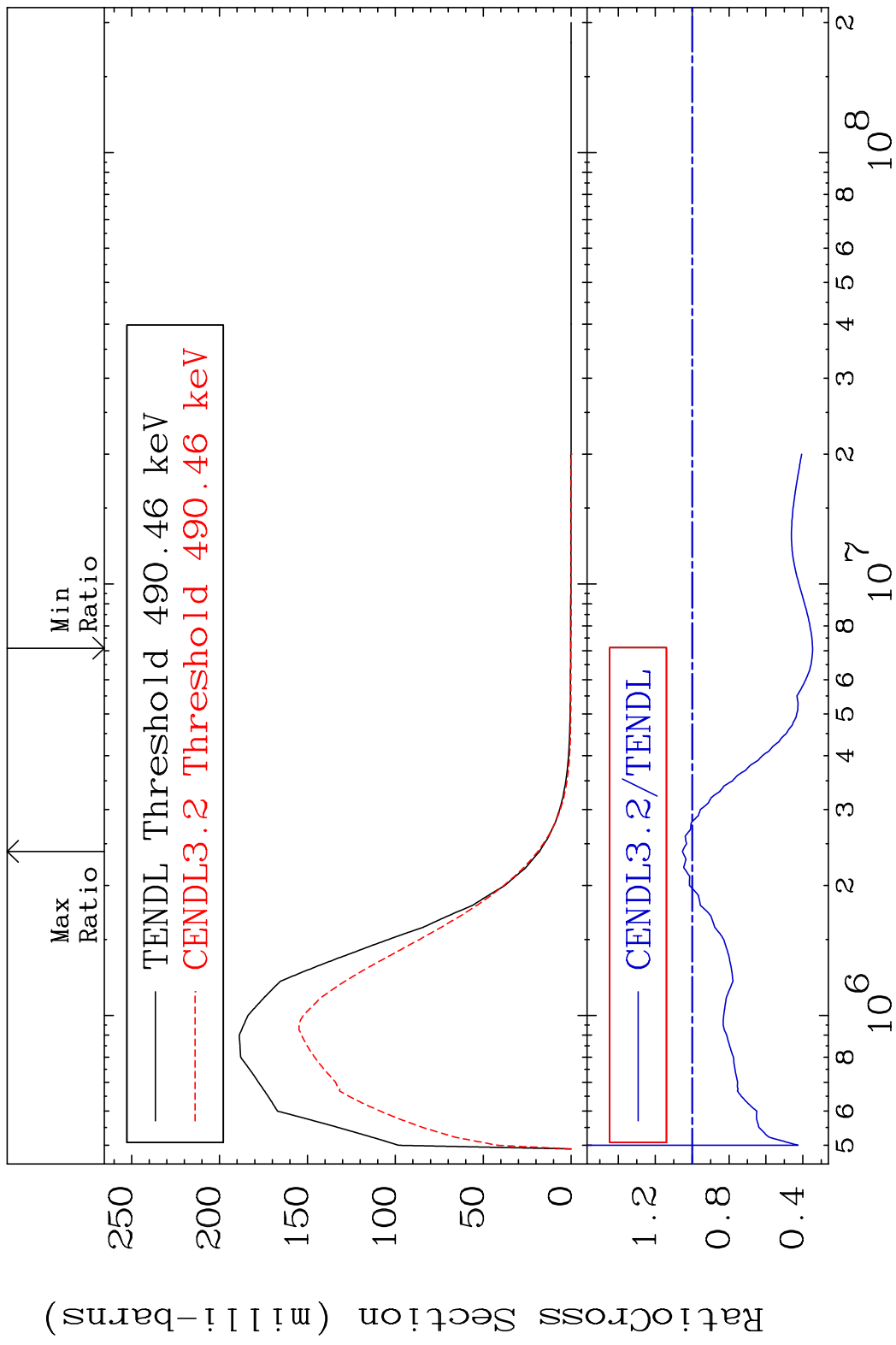
MAT 7240 MT= 57 (n, n') Level 72-Hf-179  
 Cross Section -98.75 To 79.63 %



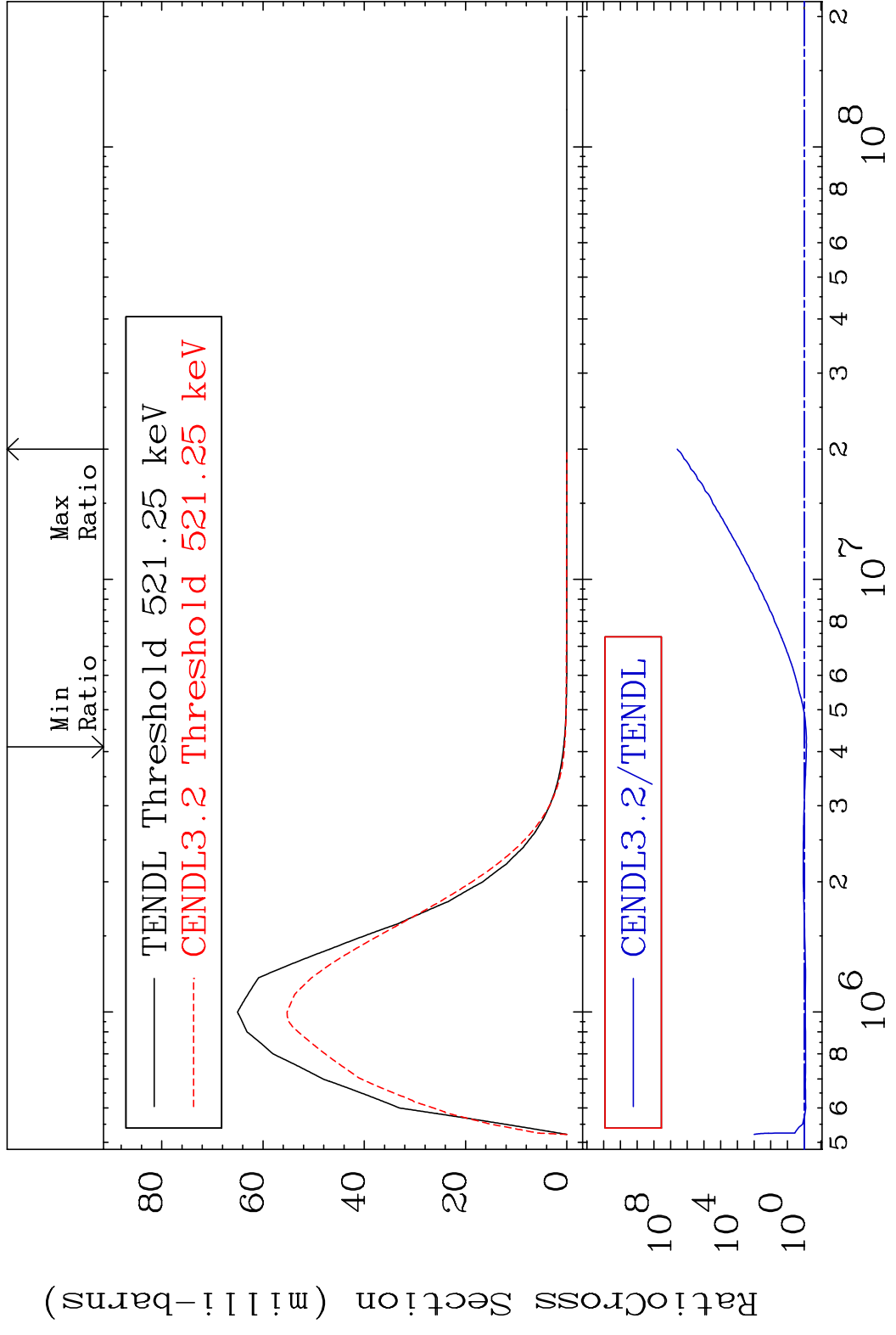
MAT 7240 MT= 58 (n, n') Level 72-Hf-179  
 Cross Section -42.07 To 9999. %



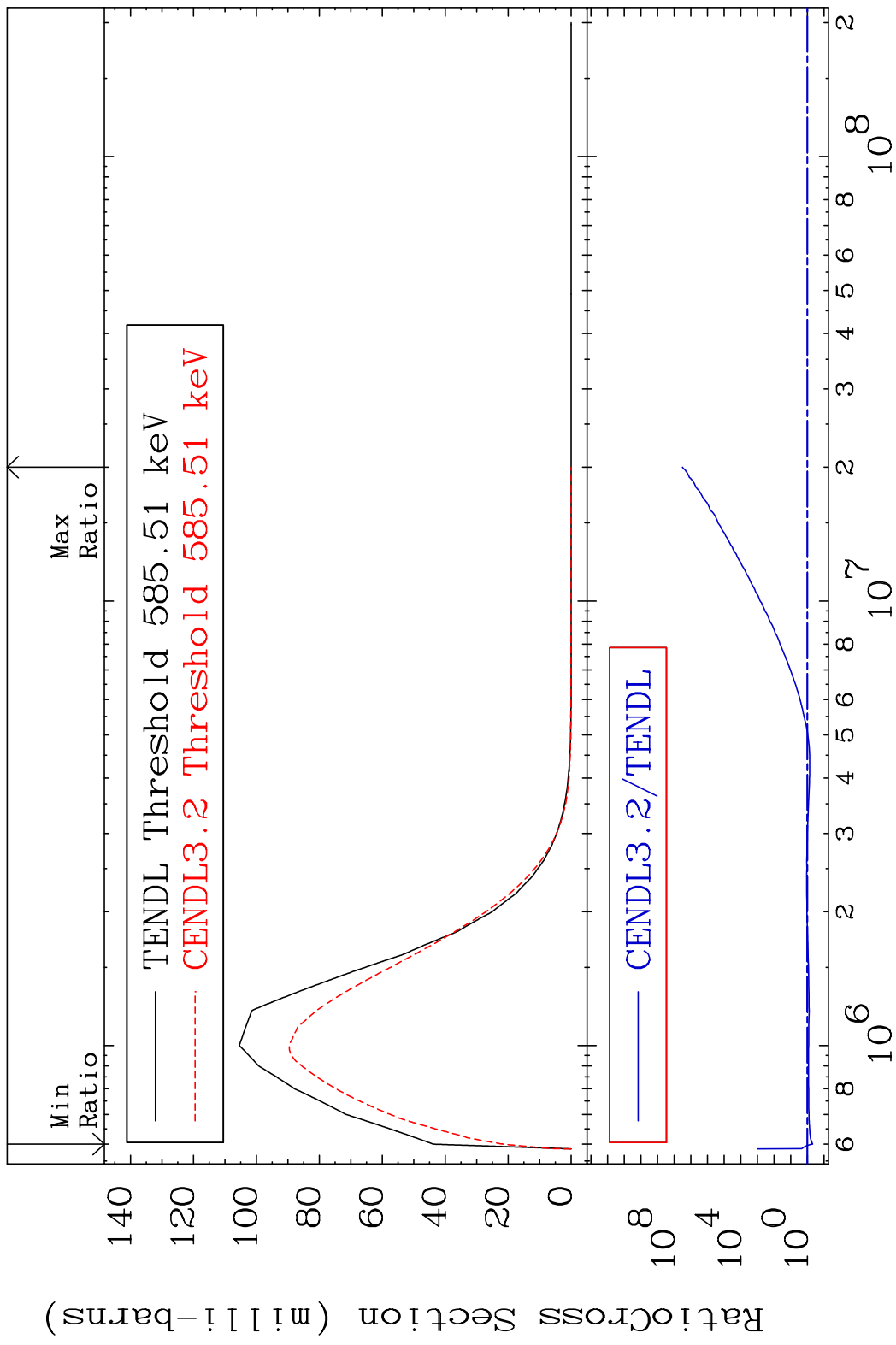
MAT 7240 MT= 59 (n, n') Level 72-Hf-179  
 Cross Section -65.28 To 5.313 %



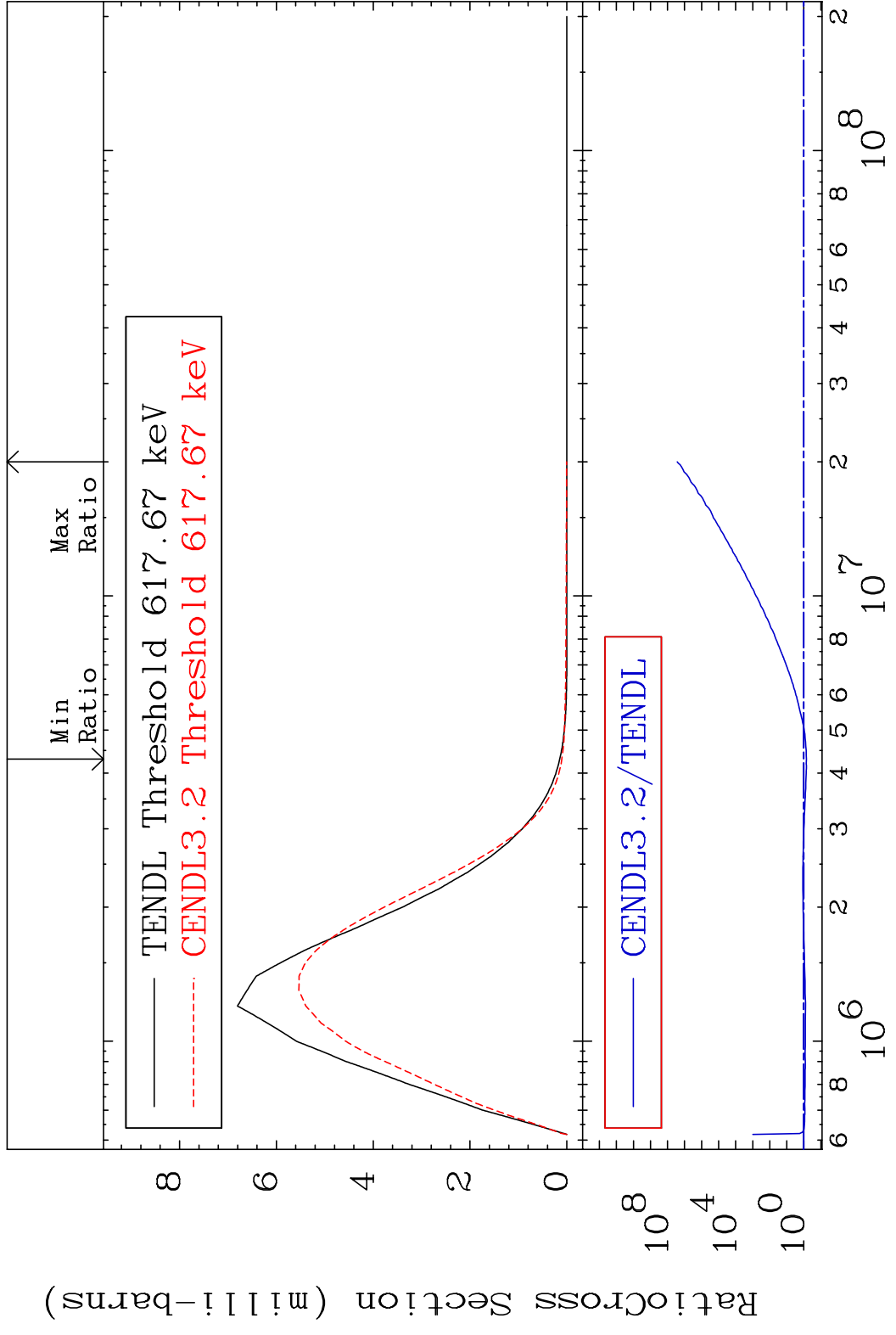
MAT 7240 MT= 60 (n, n') Level 72-Hf-179  
 Cross Section -26.07 To 9999. %



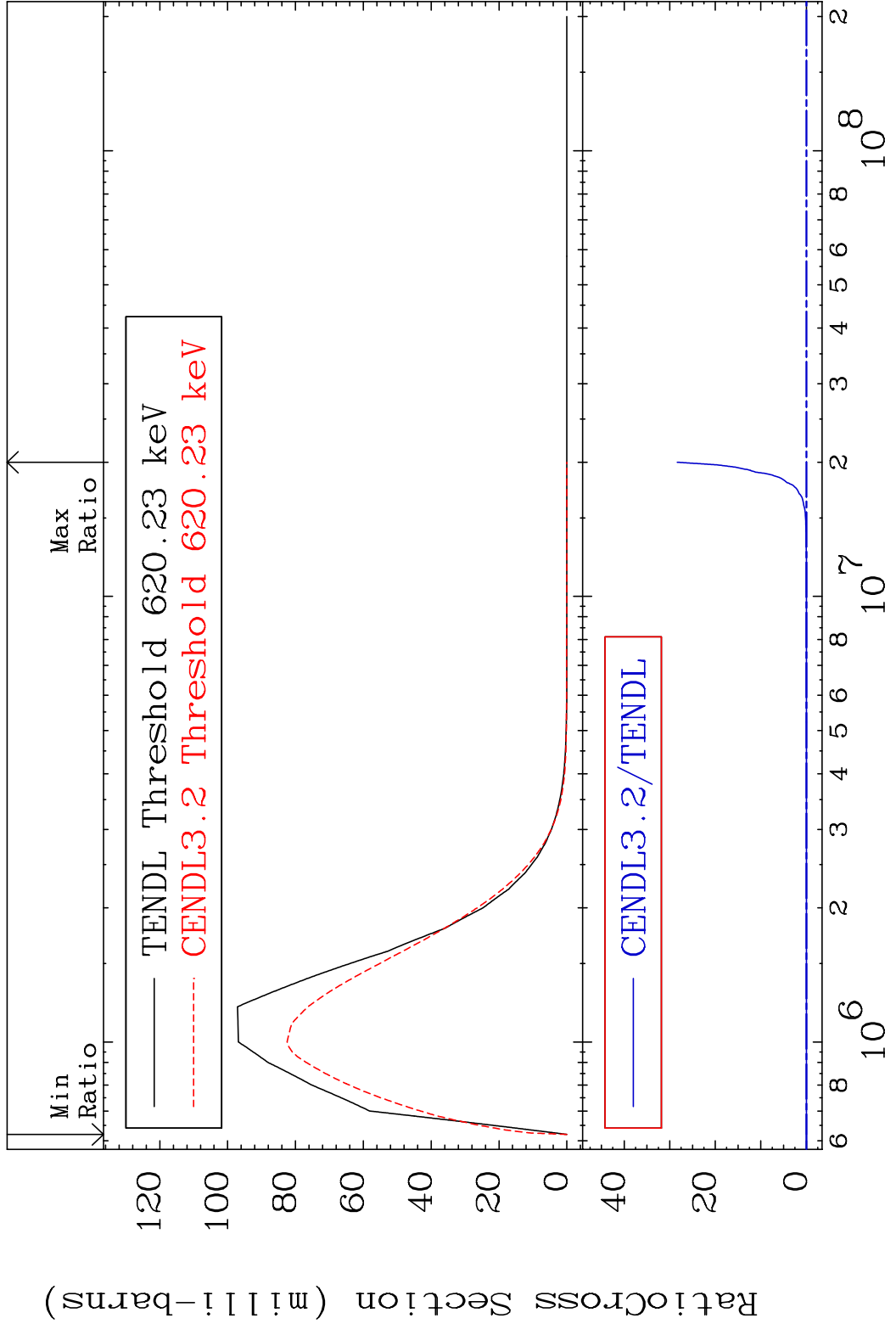
MAT 7240 MT= 61 (n, n') Level 72-Hf-179  
 Cross Section -50.59 To 9999. %



MAT 7240 MT= 62 (n, n') Level 72-Hf-179  
 Cross Section -29.46 To 9999. %

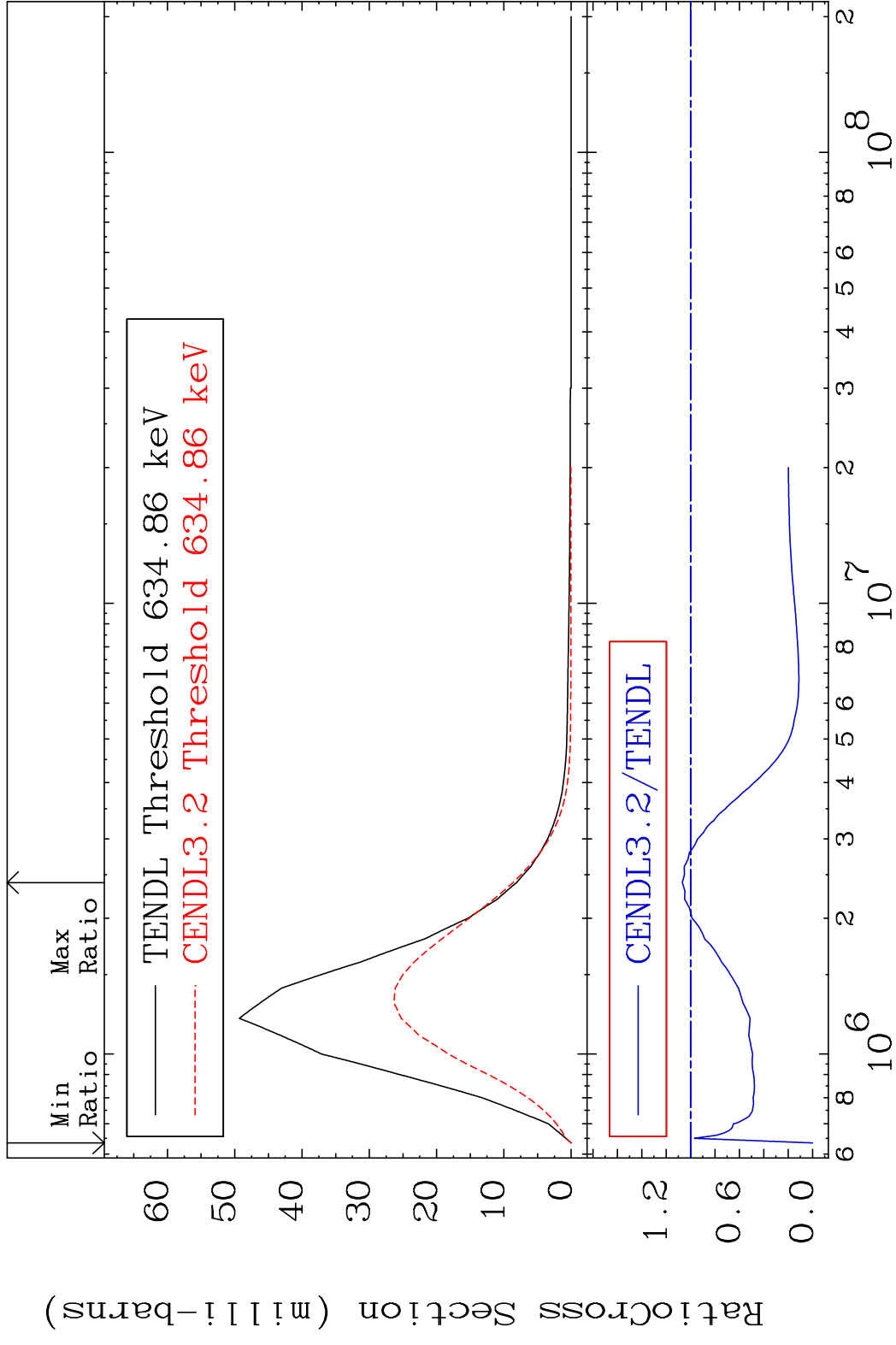


MAT 7240 MT= 63 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %

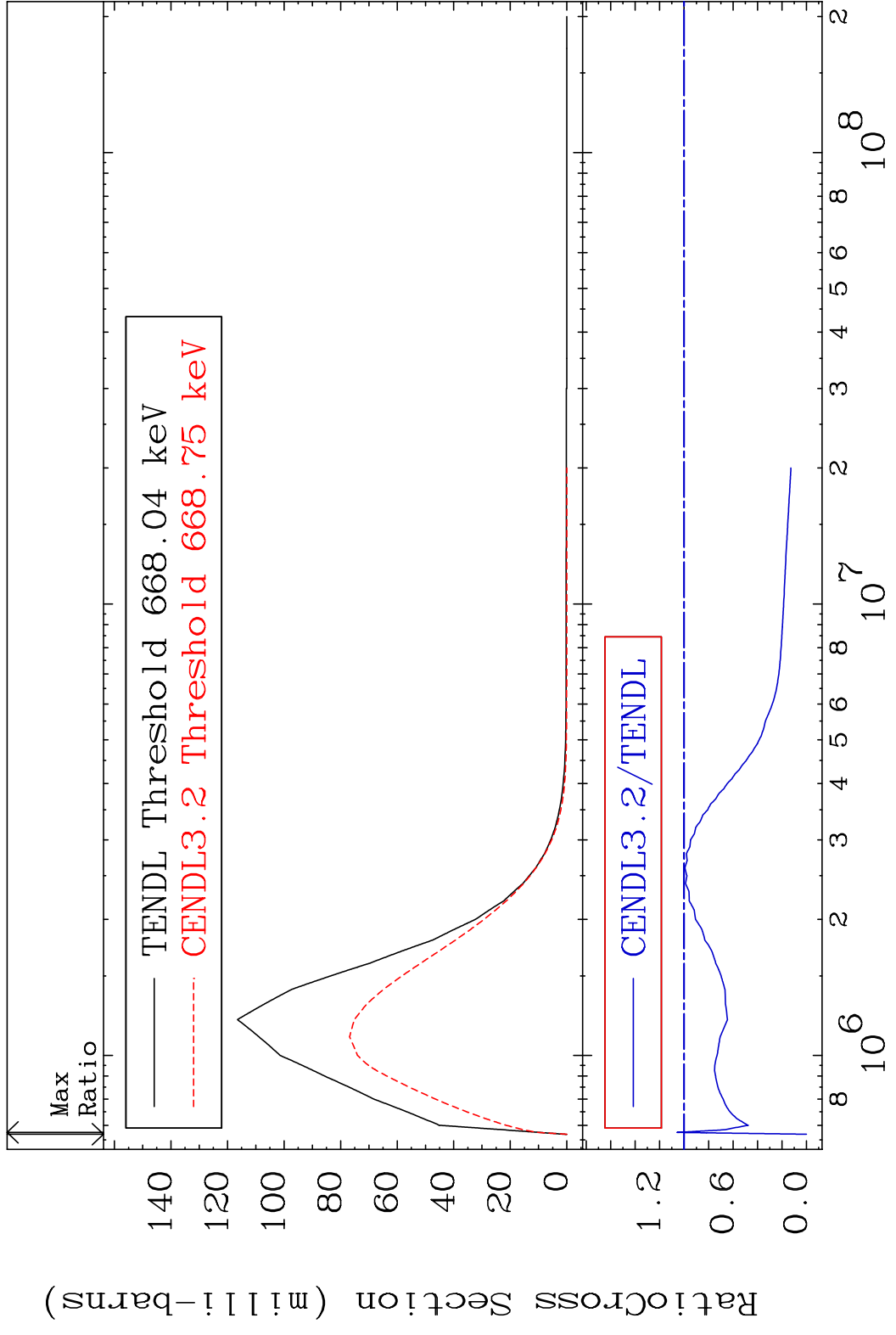


20 Incident Energy (eV) 72-Hf-179

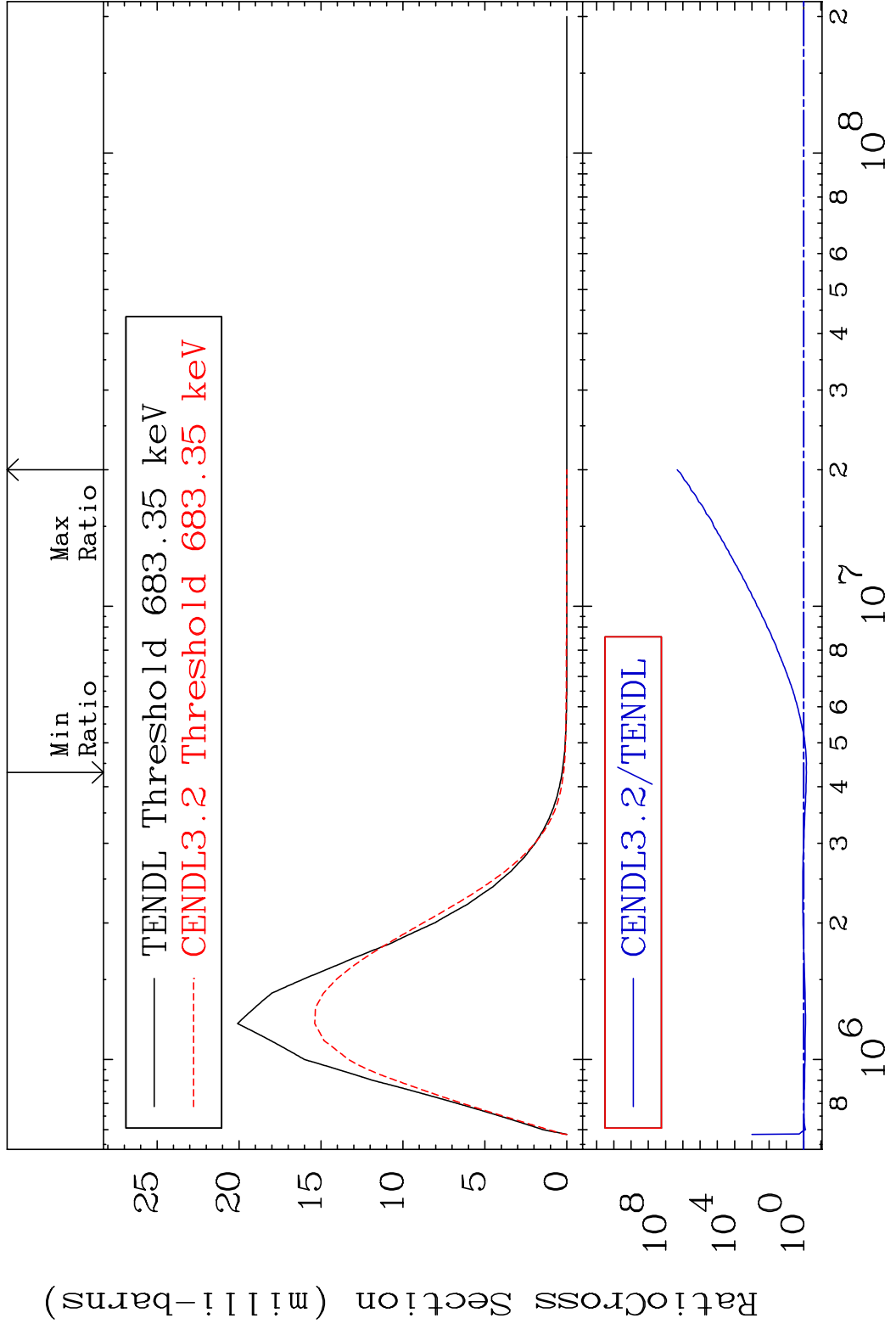
MAT 7240 MT= 64 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 6.718 %



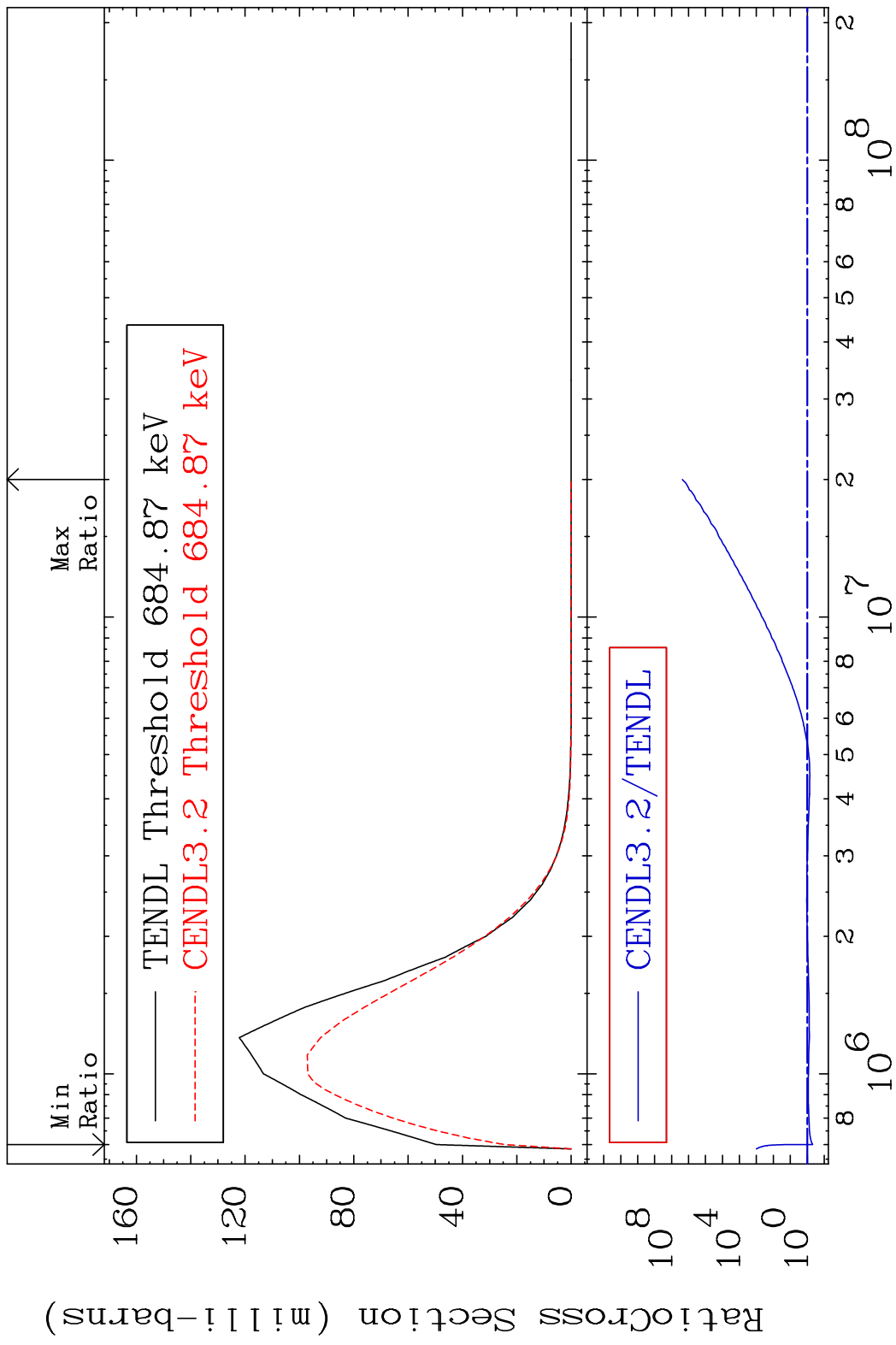
MAT 7240 MT= 65 (n,n') Level 72-Hf-179  
 Cross Section -100.0 To 5.669 %



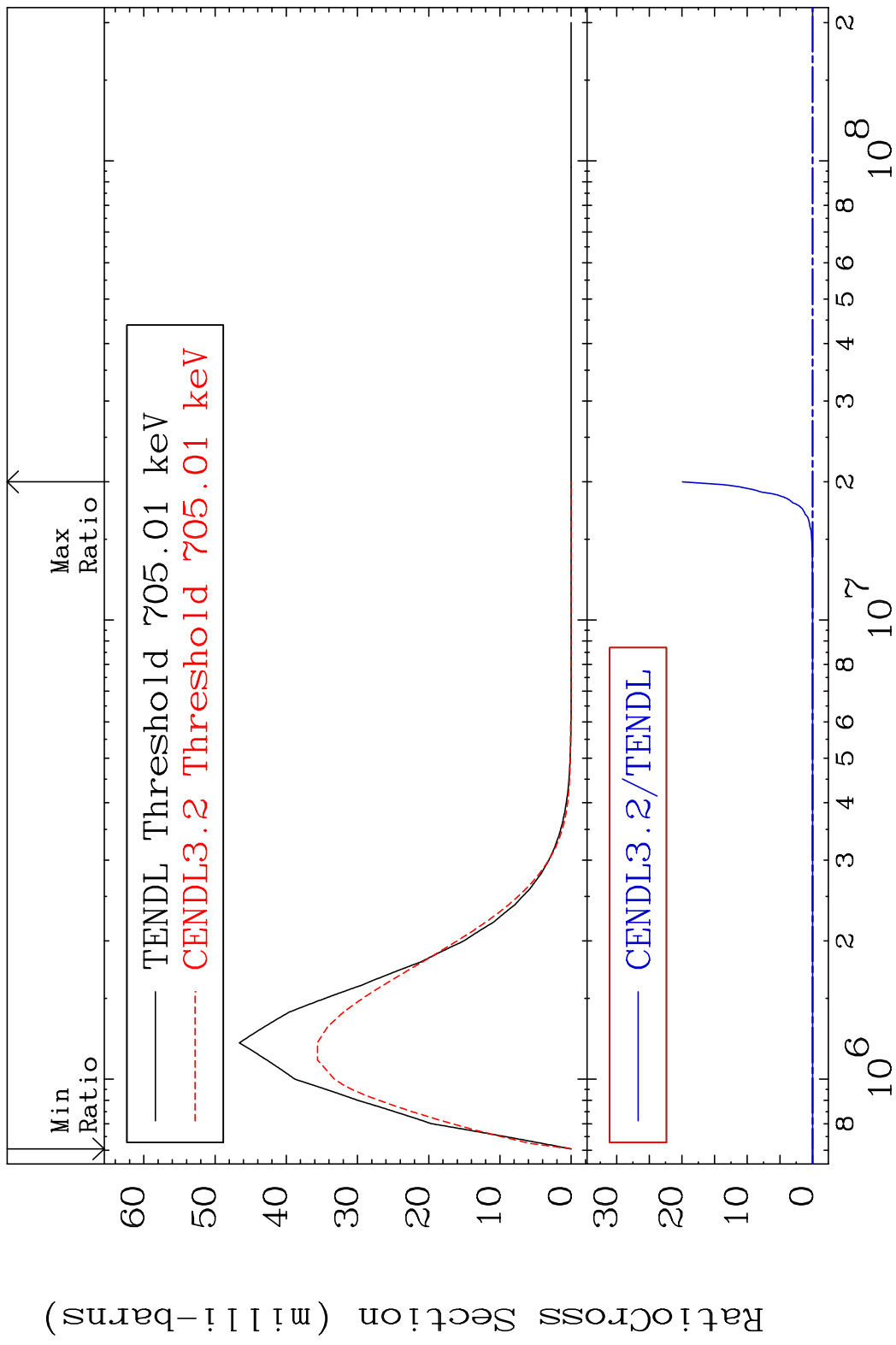
MAT 7240 MT= 66 (n, n') Level 72-Hf-179  
 Cross Section -30.83 To 9999. %



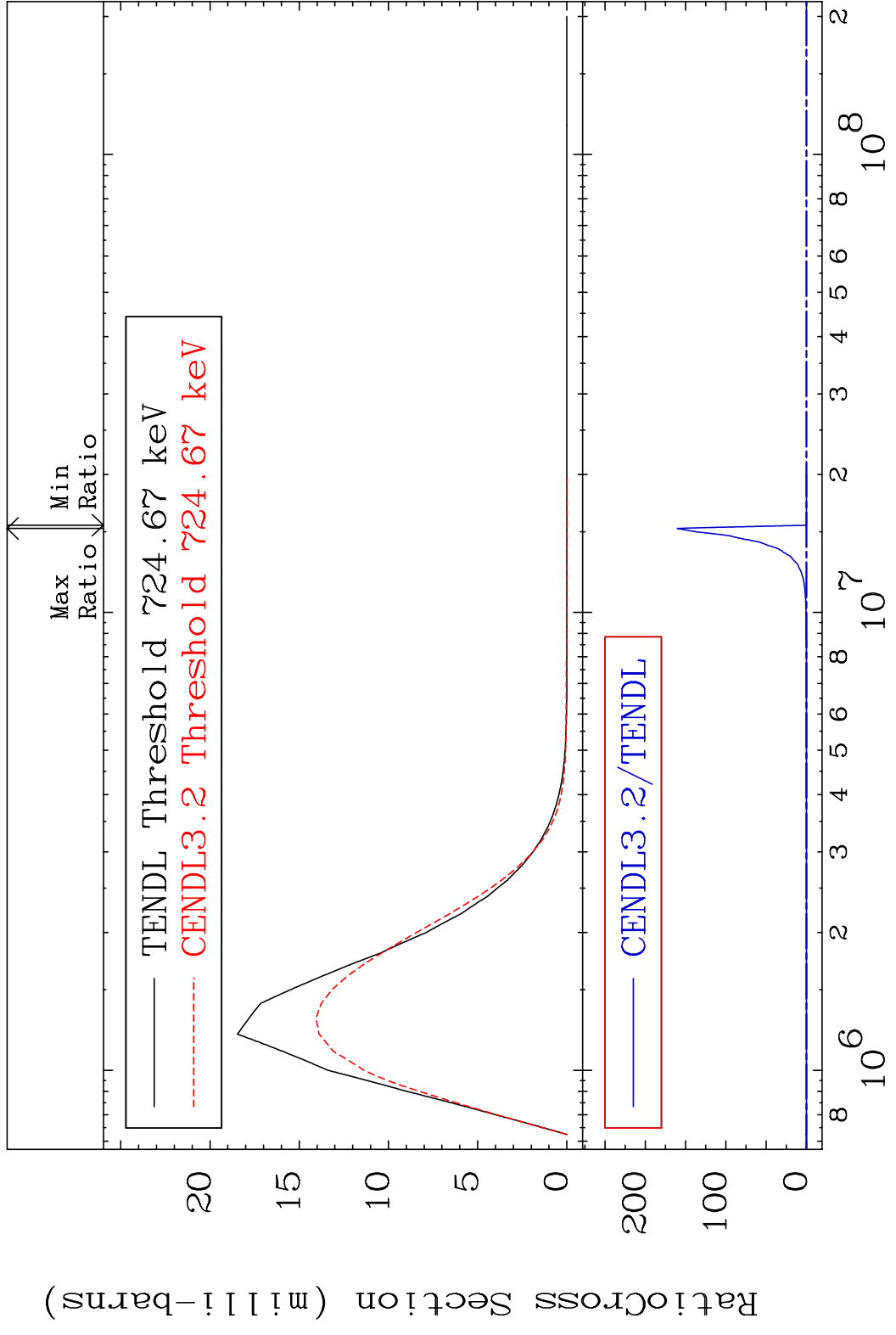
MAT 7240 MT= 67 (n, n') Level 72-Hf-179  
 Cross Section -51.28 To 9999. %



MAT 7240 MT= 68 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



MAT 7240 MT= 69 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %

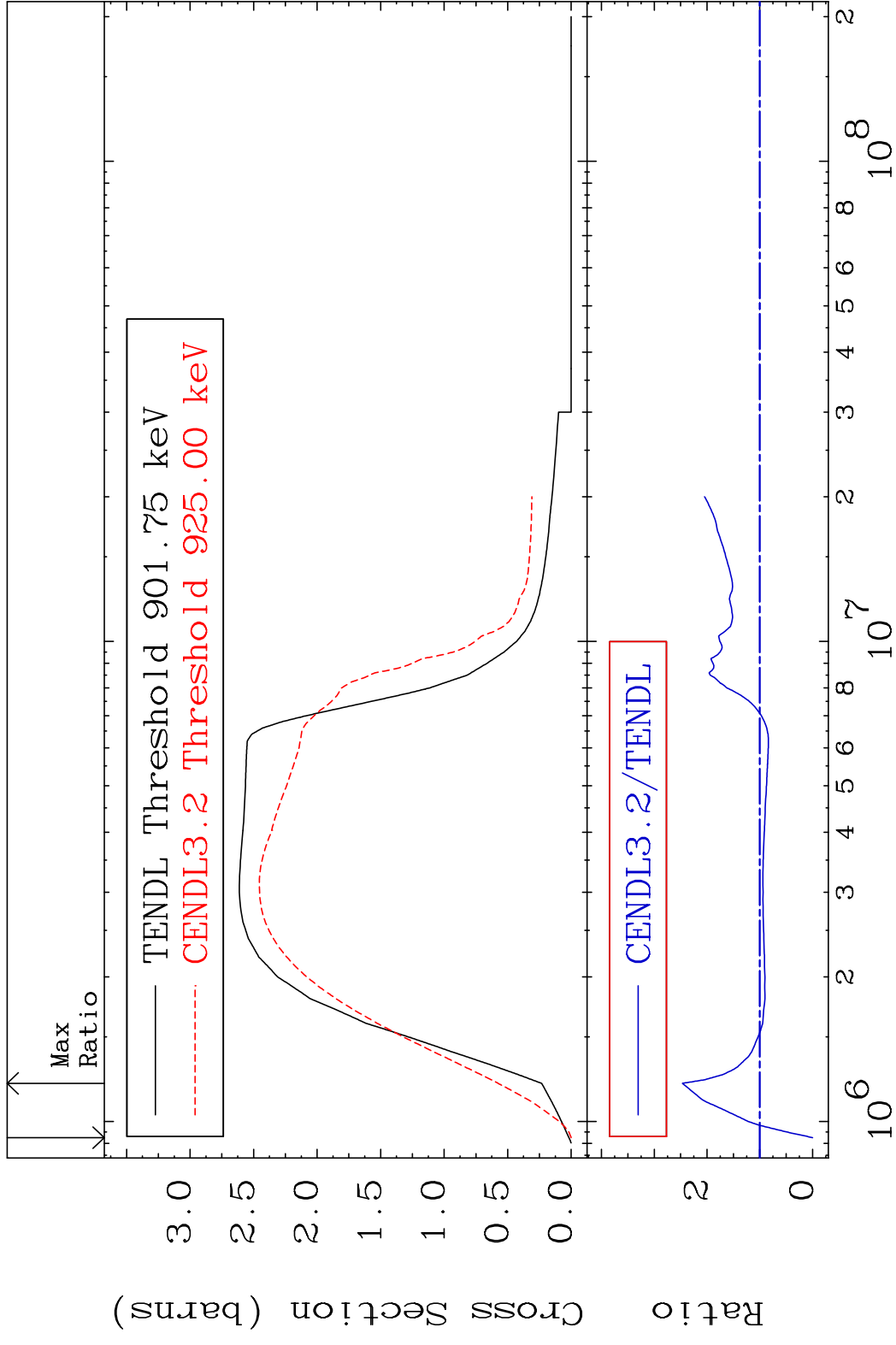


MAT 7240

(n, n') Continuum

72-Hf-179

Cross Section -100.0 To 146.8 %



27

Incident Energy (eV)

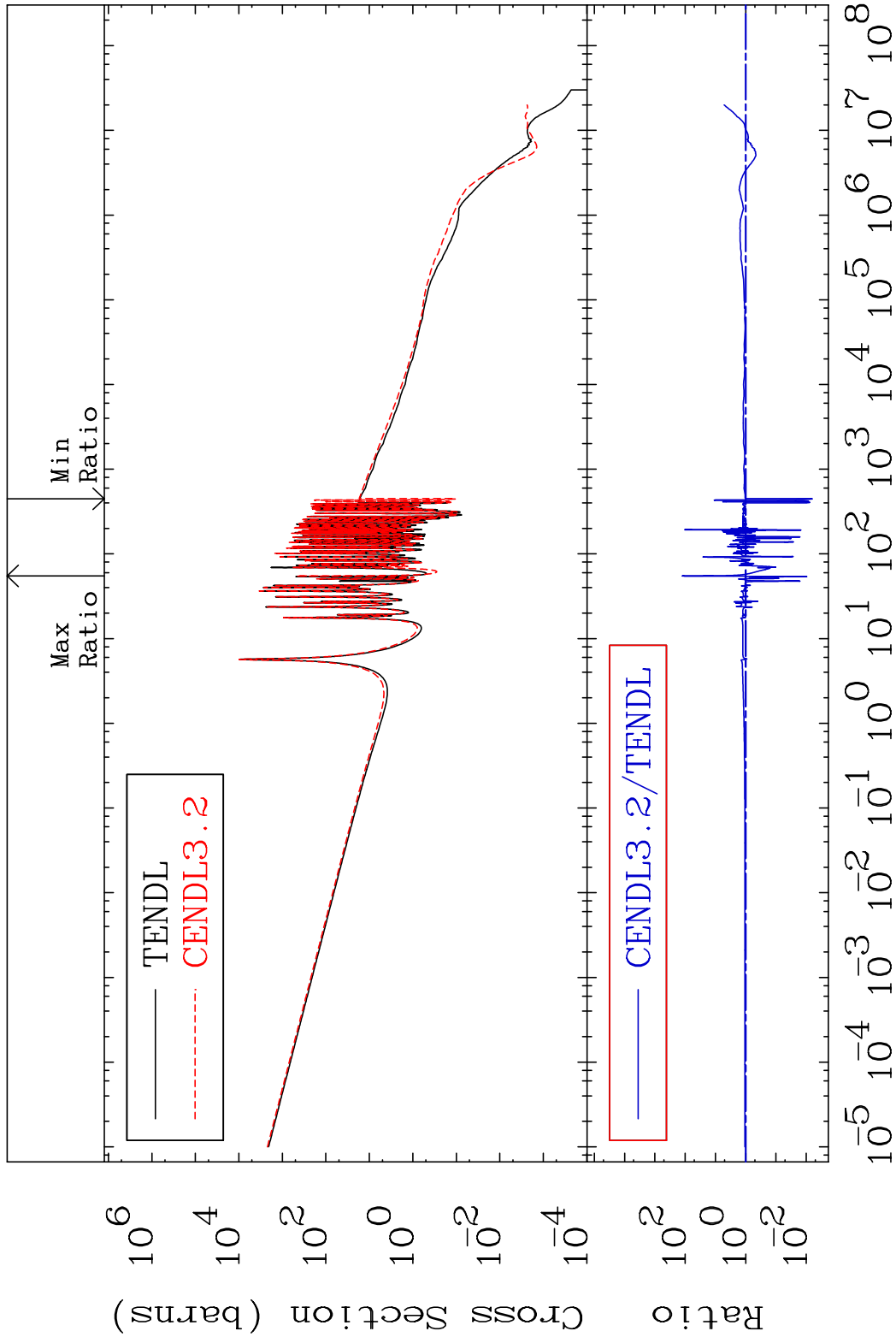
72-Hf-179

MAT 7240

(n,  $\gamma$ )

72-Hf-179

Cross Section -99.38 To 9999. %



28

Incident Energy (eV)

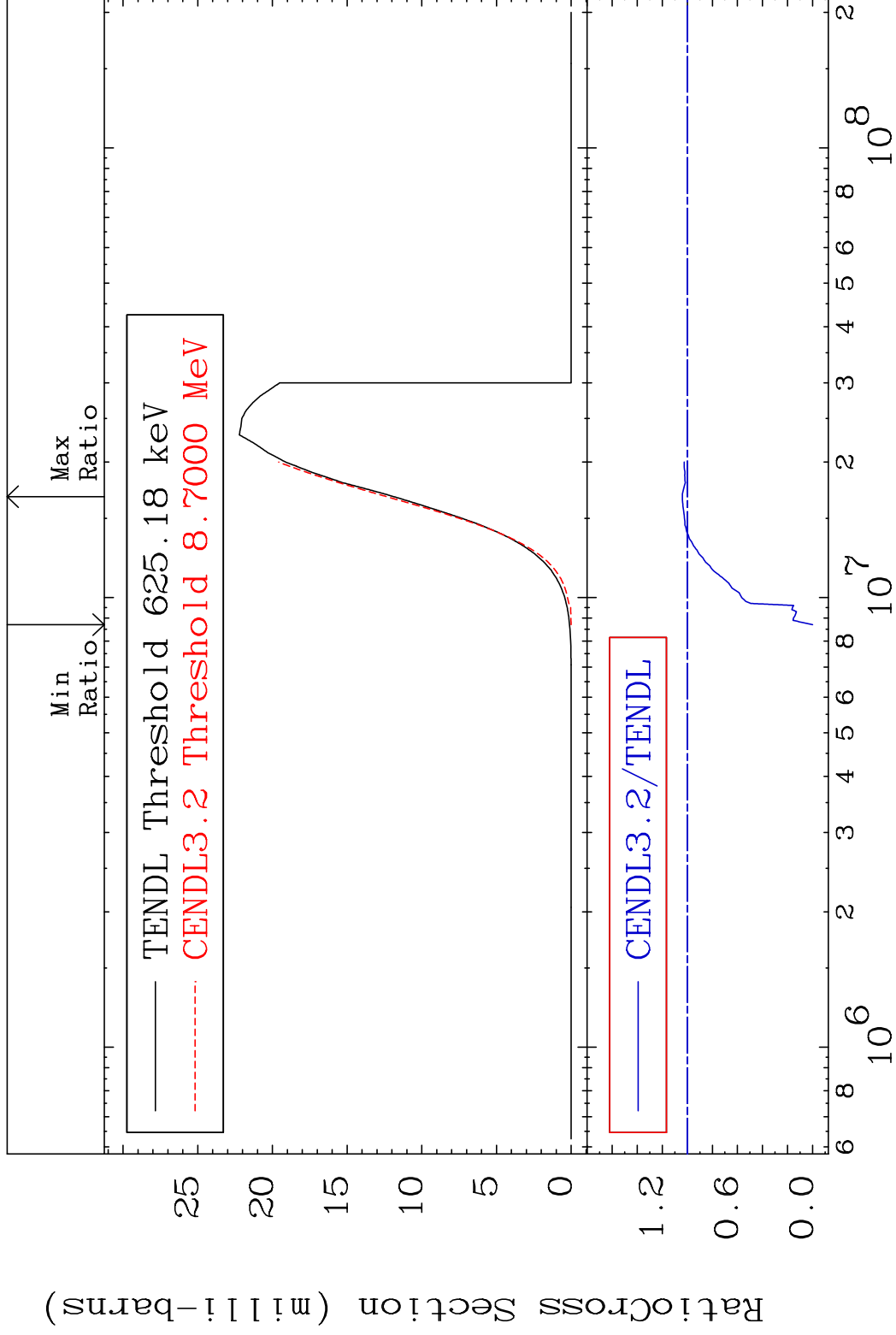
72-Hf-179

MAT 7240

(n, p)

72-Hf-179

Cross Section -100.0 To 3.986 %



29

Incident Energy (eV)

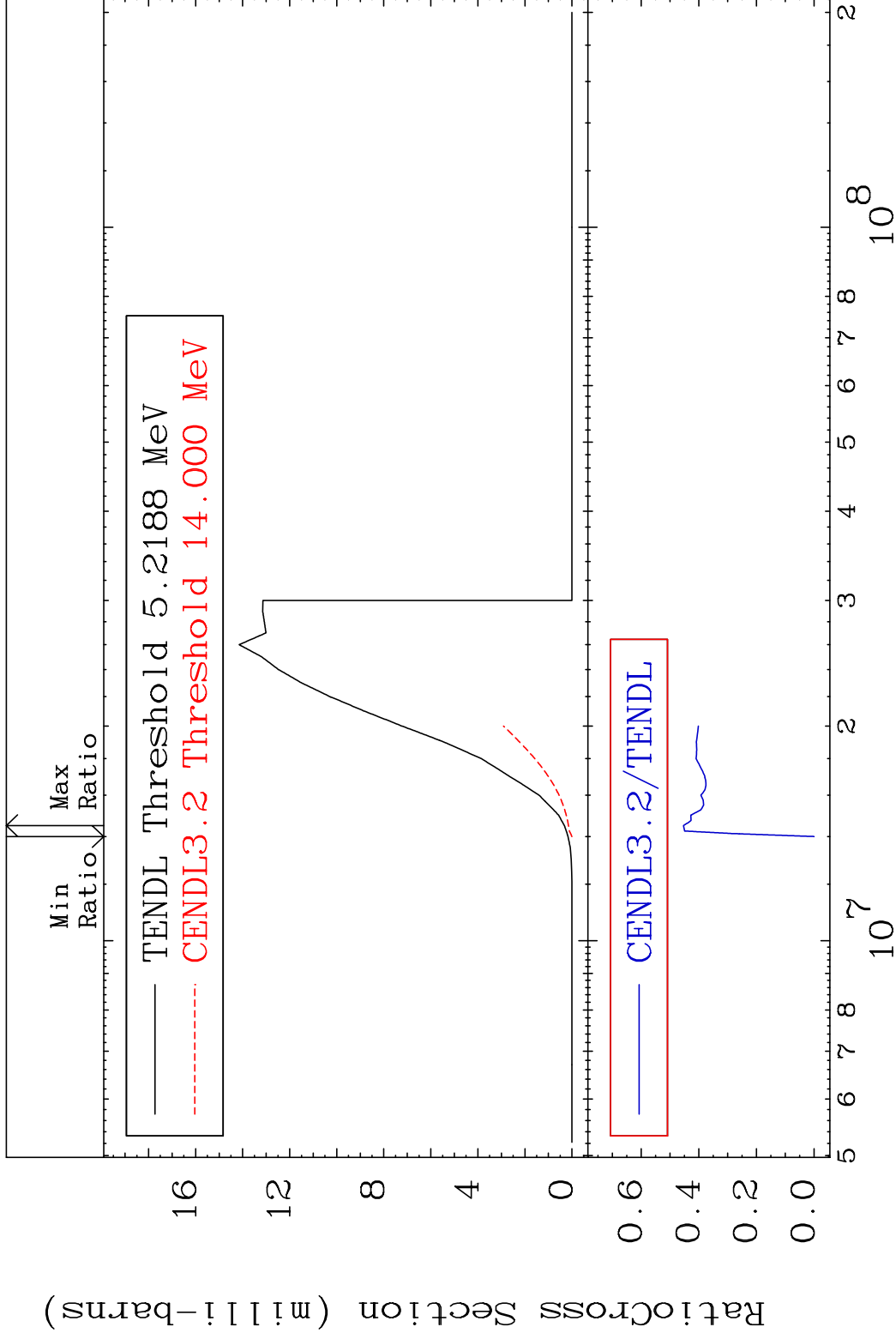
72-Hf-179

MAT 7240

(n, d)

72-Hf-179

Cross Section -100.0 To -54.66%



30

Incident Energy (eV)

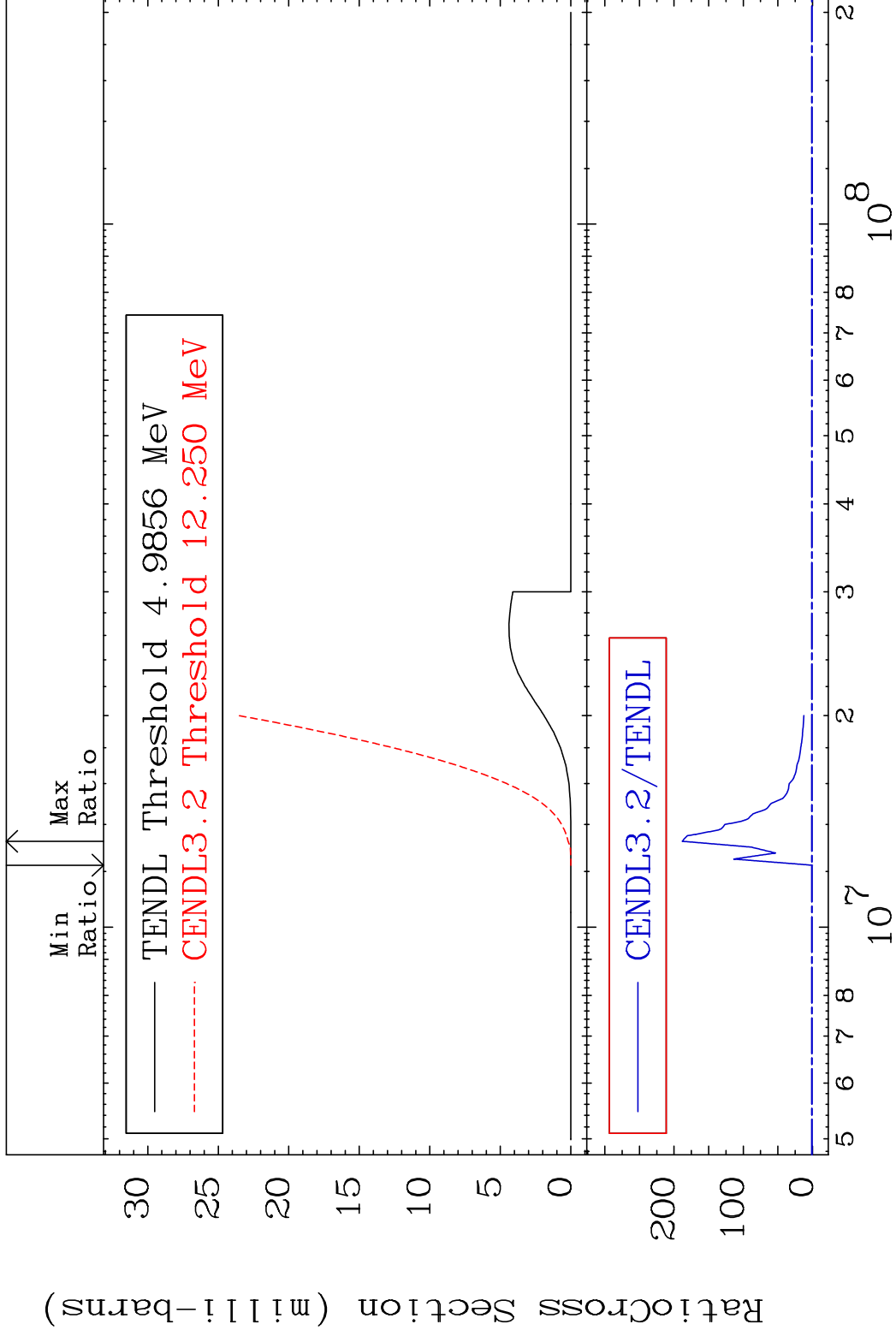
72-Hf-179

MAT 7240

(n, t)

72-Hf-179

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

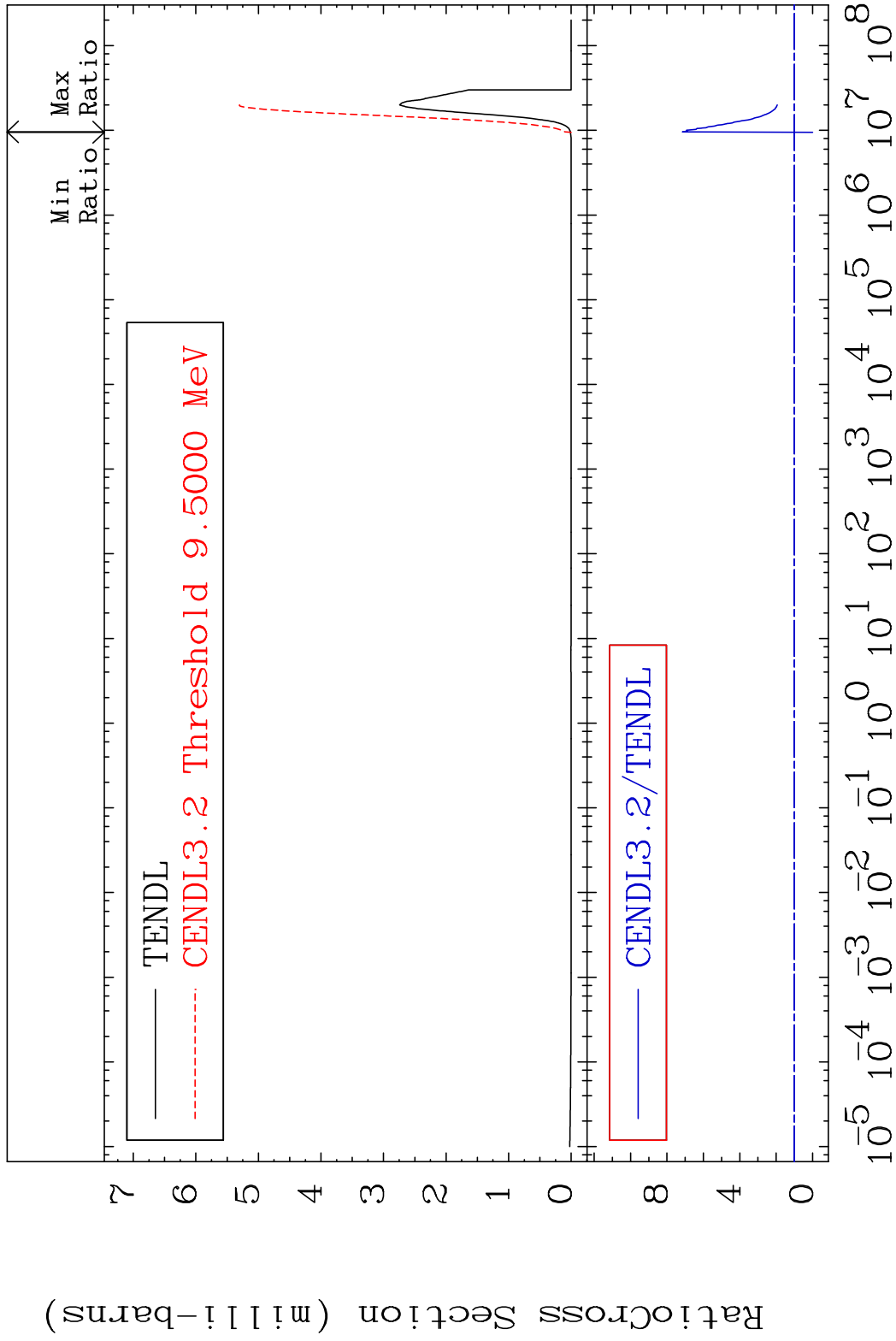
72-Hf-179

MAT 7240

(n,  $\alpha$ )

72-Hf-179

Cross Section -100.0 To 615.6 %

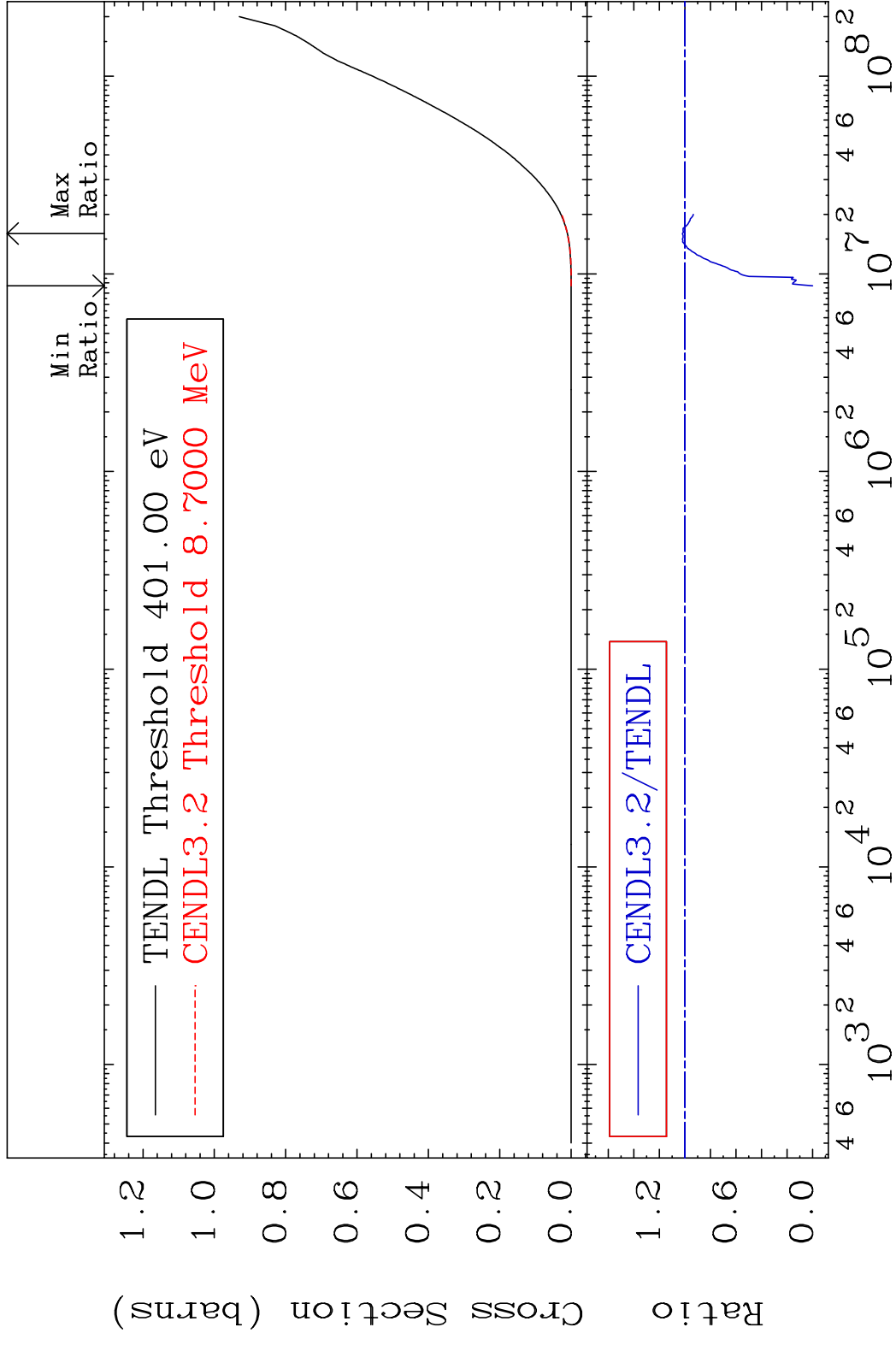


32

Incident Energy (eV)

72-Hf-179

MAT 7240 Hydrogen Production 72-Hf-179  
 Cross Section -100.0 To 1.962 %

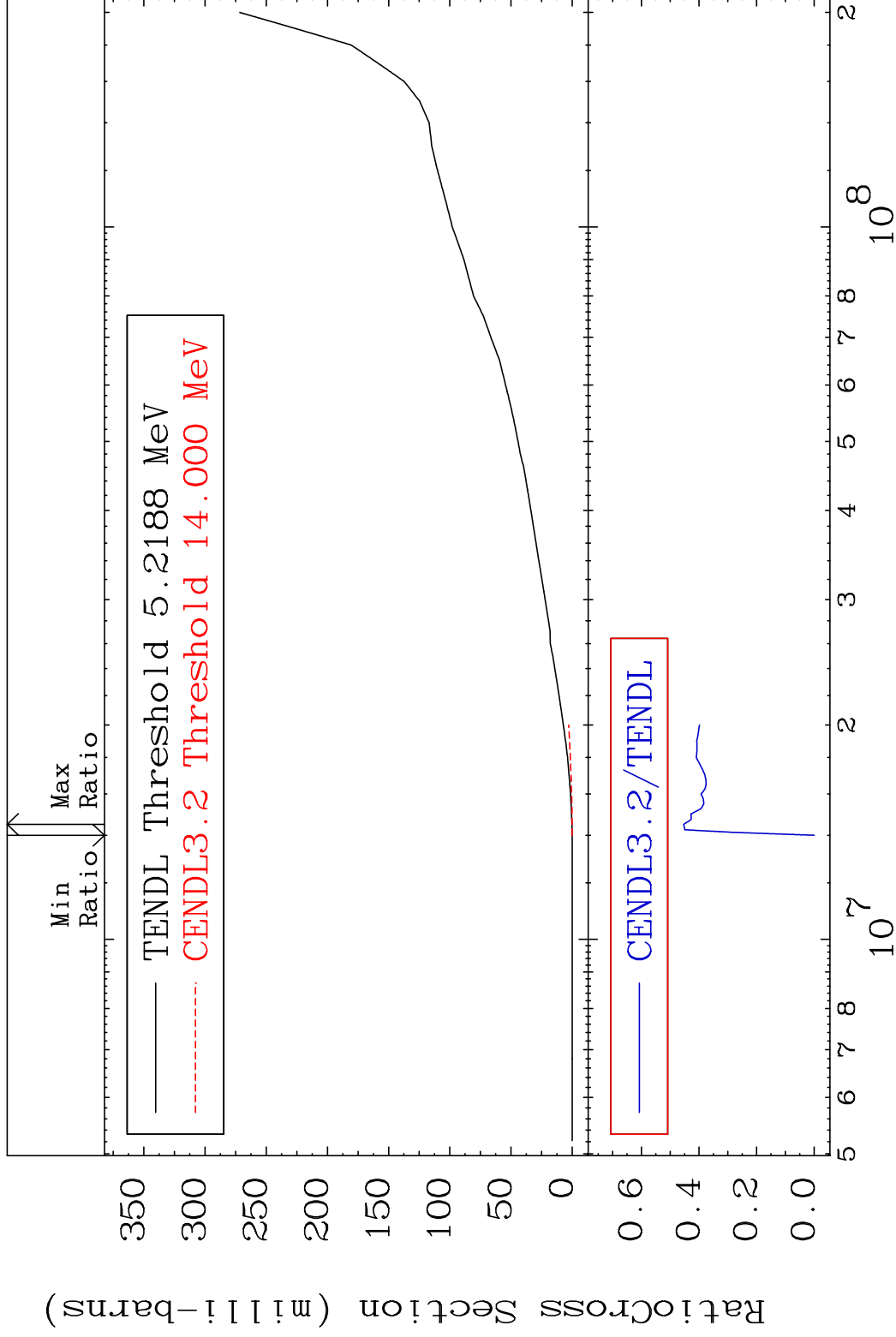


MAT 7240

Deuterium Production

72-Hf-179

Cross Section -100.0 To -54.66%



34

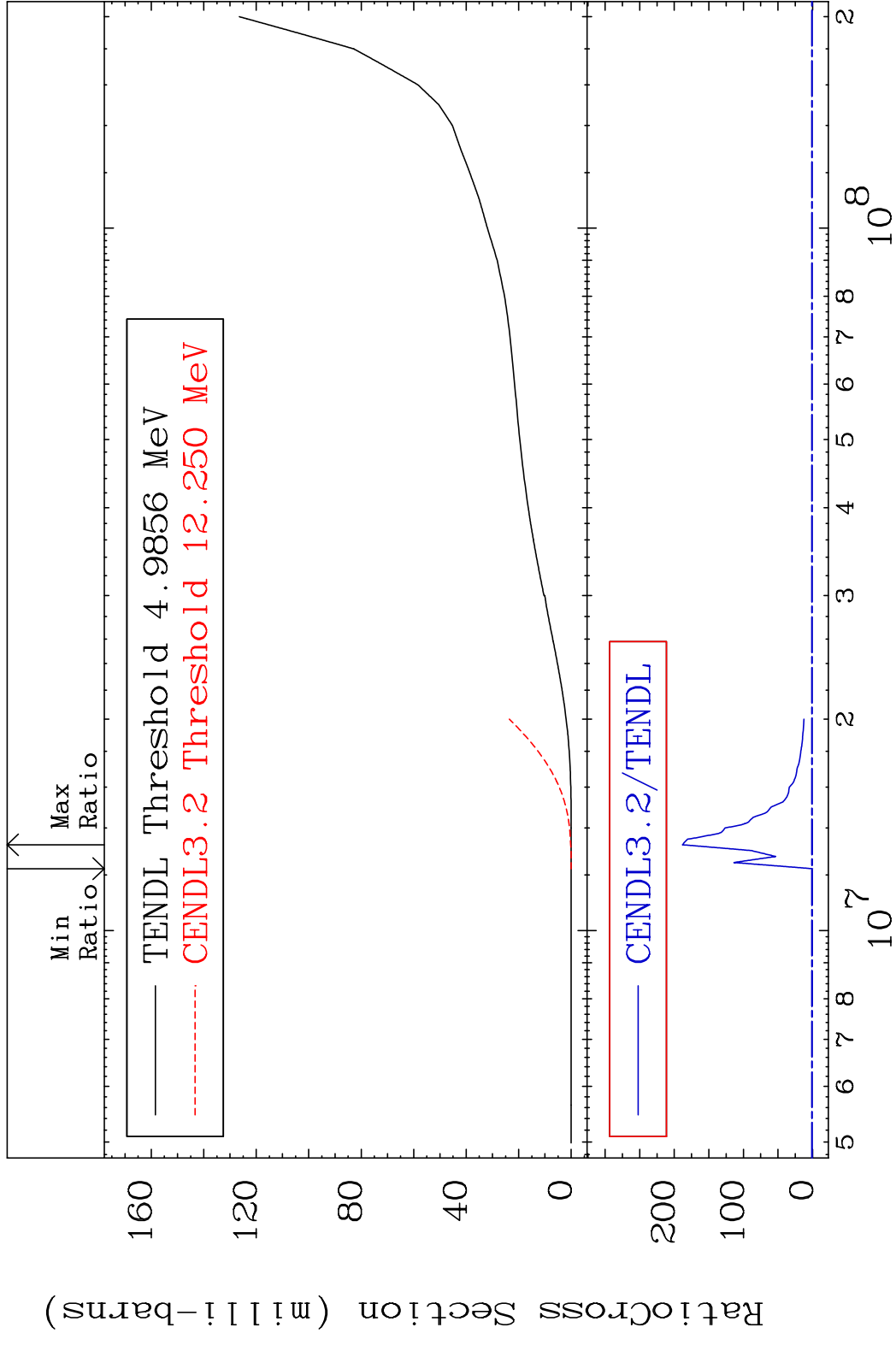
Incident Energy (eV)

72-Hf-179

MAT 7240

Tritium Production 72-Hf-179

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

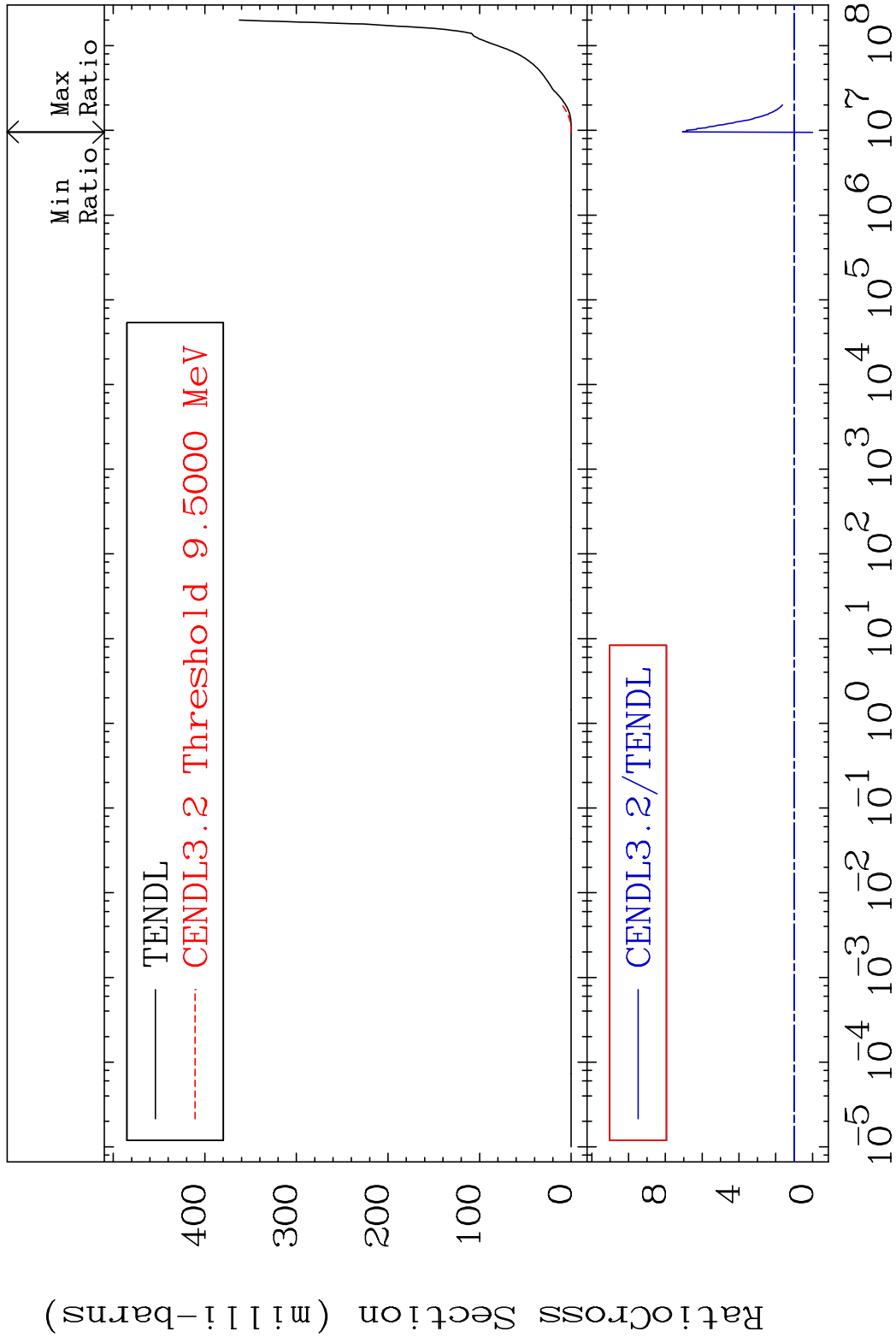
72-Hf-179

MAT 7240

He-4 Production

72-Hf-179

Cross Section -100.0 To 607.6 %

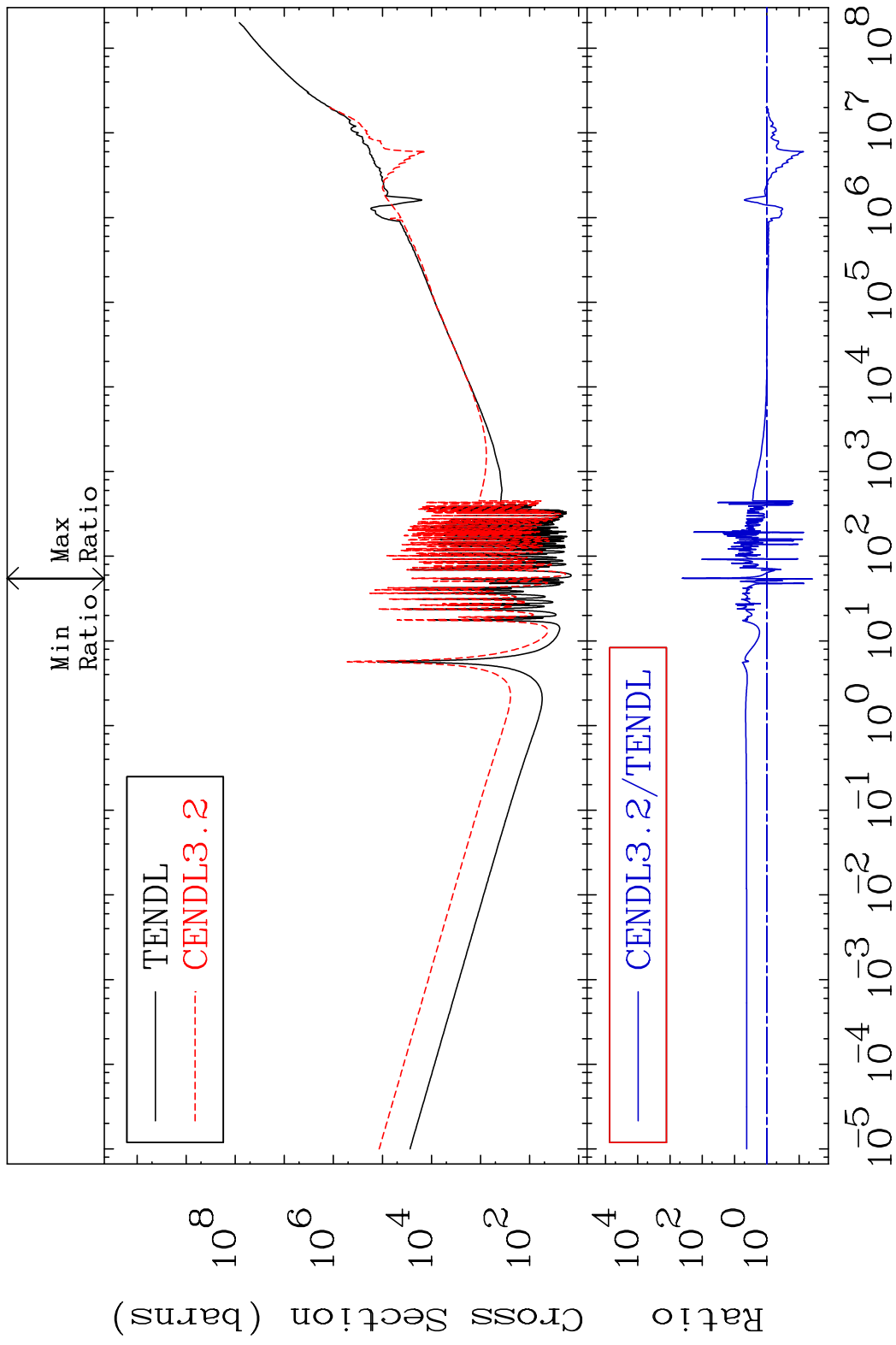


36

Incident Energy (eV)

72-Hf-179

MAT 7240 Kerma total (eV-barns) 72-Hf-179  
 Cross Section -96.16 To 9999. %

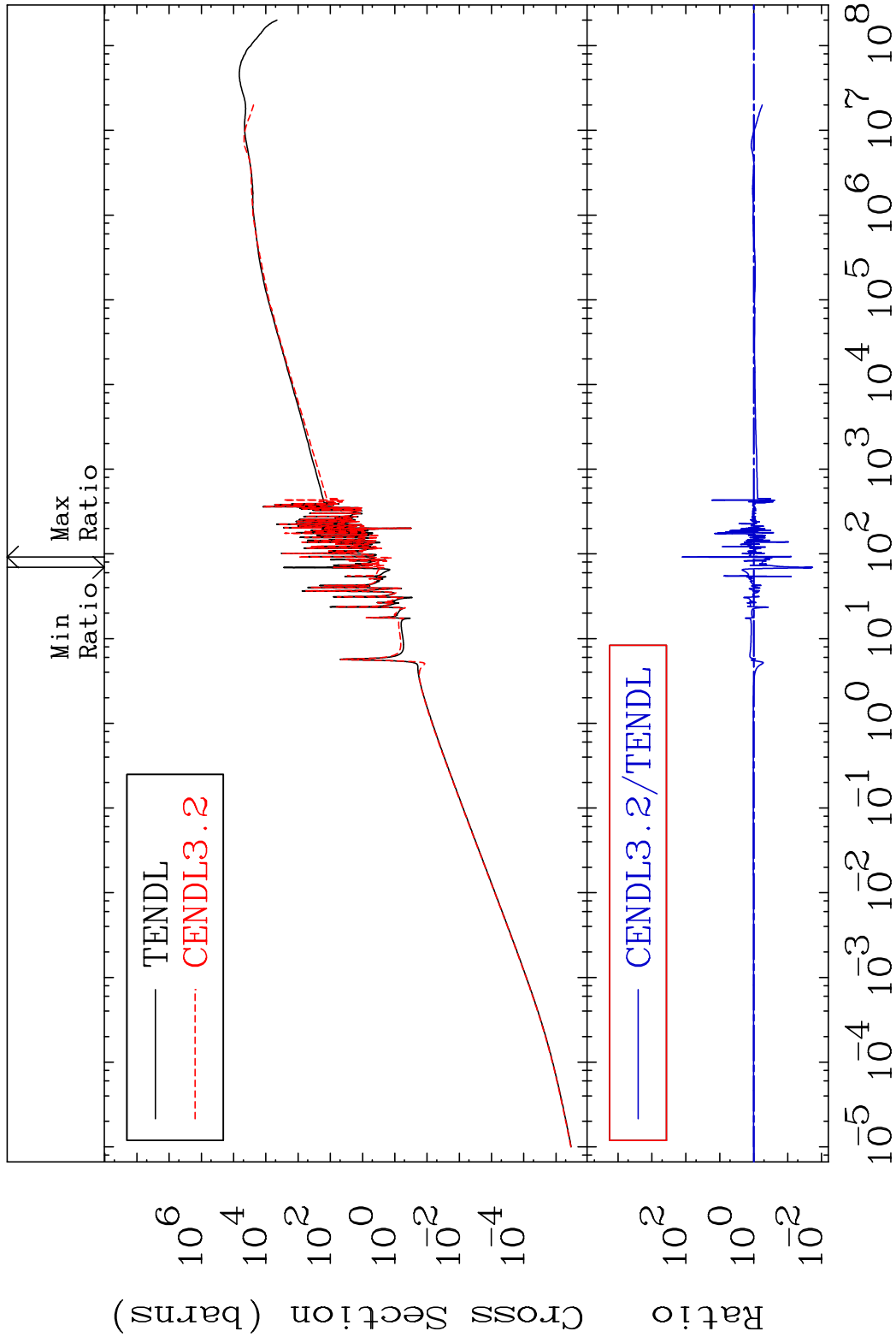


MAT 7240

Kerma elastic

72-Hf-179

Cross Section -98.15 To 9999. %

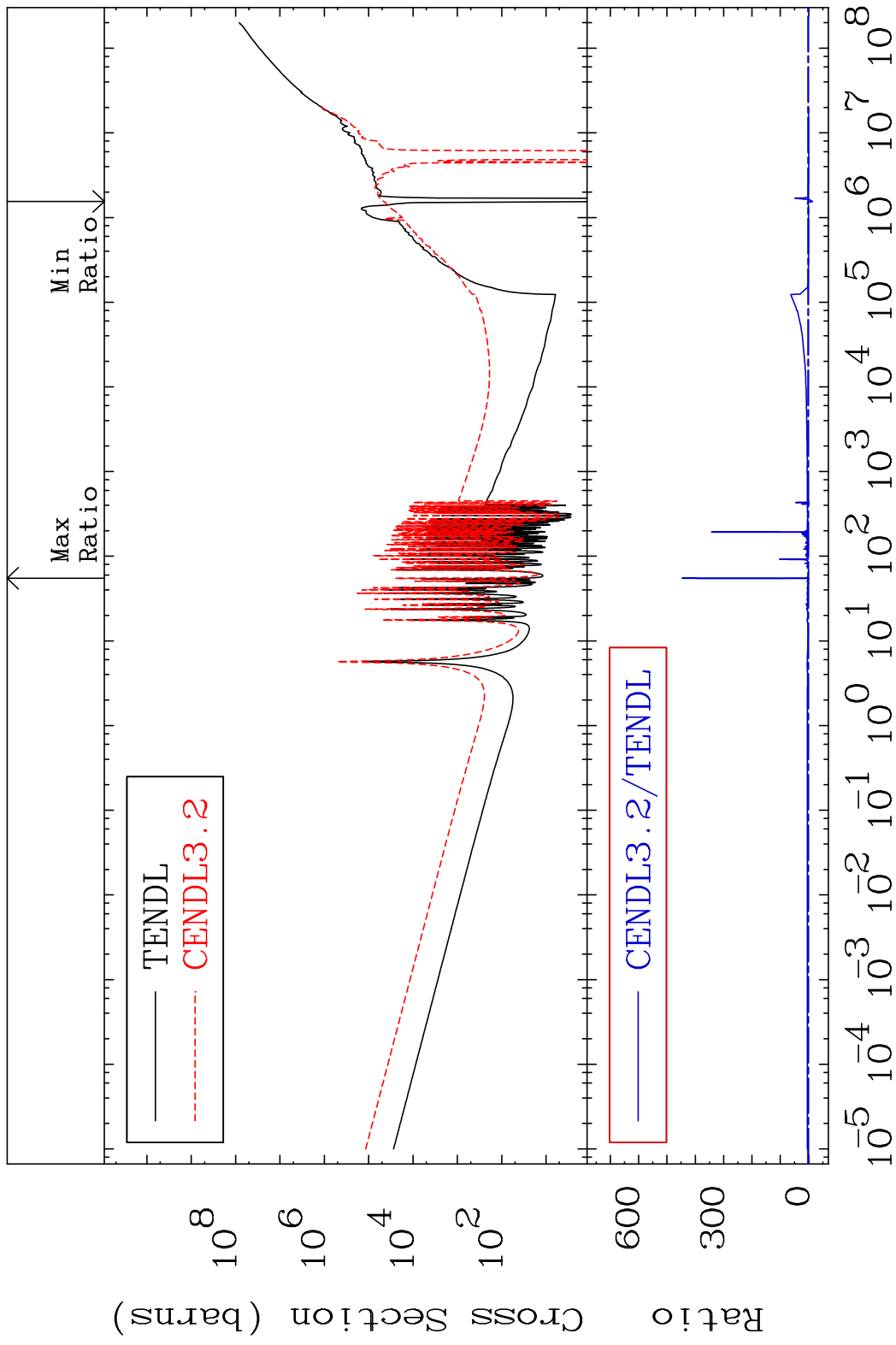


38

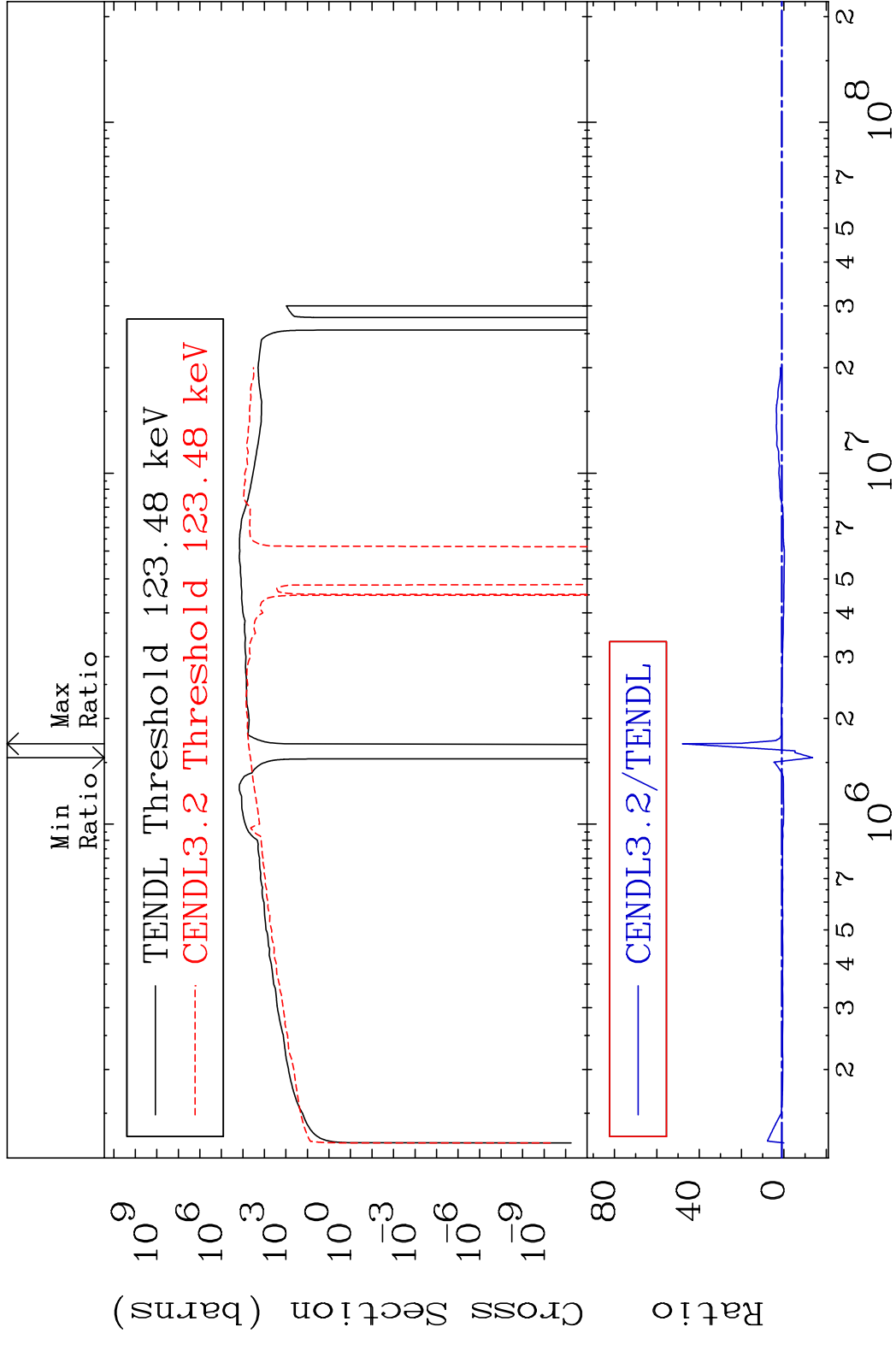
Incident Energy (eV)

72-Hf-179

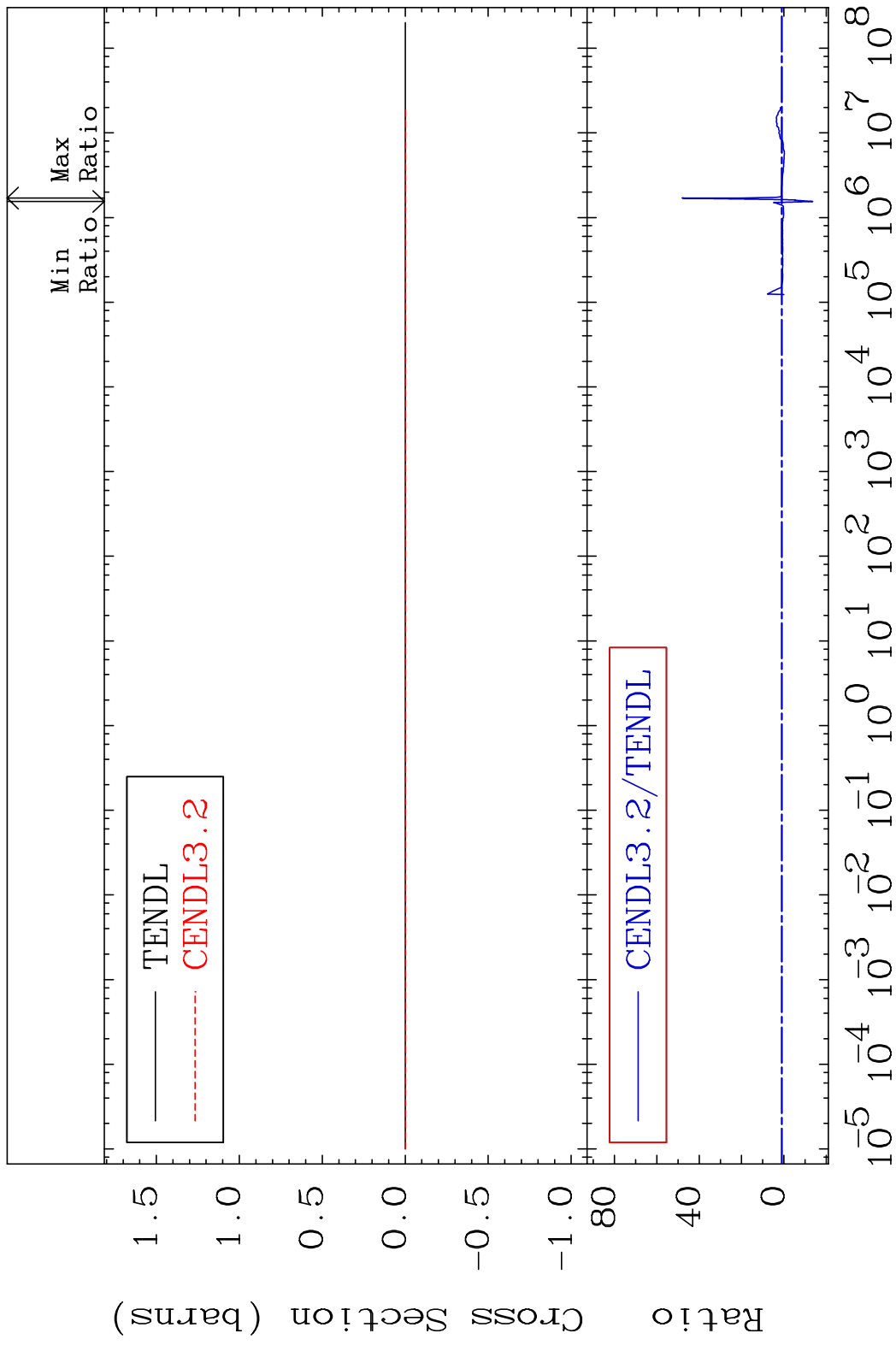
MAT 7240 Kerma non-elastic (all but mt2) 72-Hf-179  
 Cross Section -1474. To 9999. %



MAT 7240 Kerma inelastic (mt51-91) 72-Hf-179  
 Cross Section -1451. To 4695. %

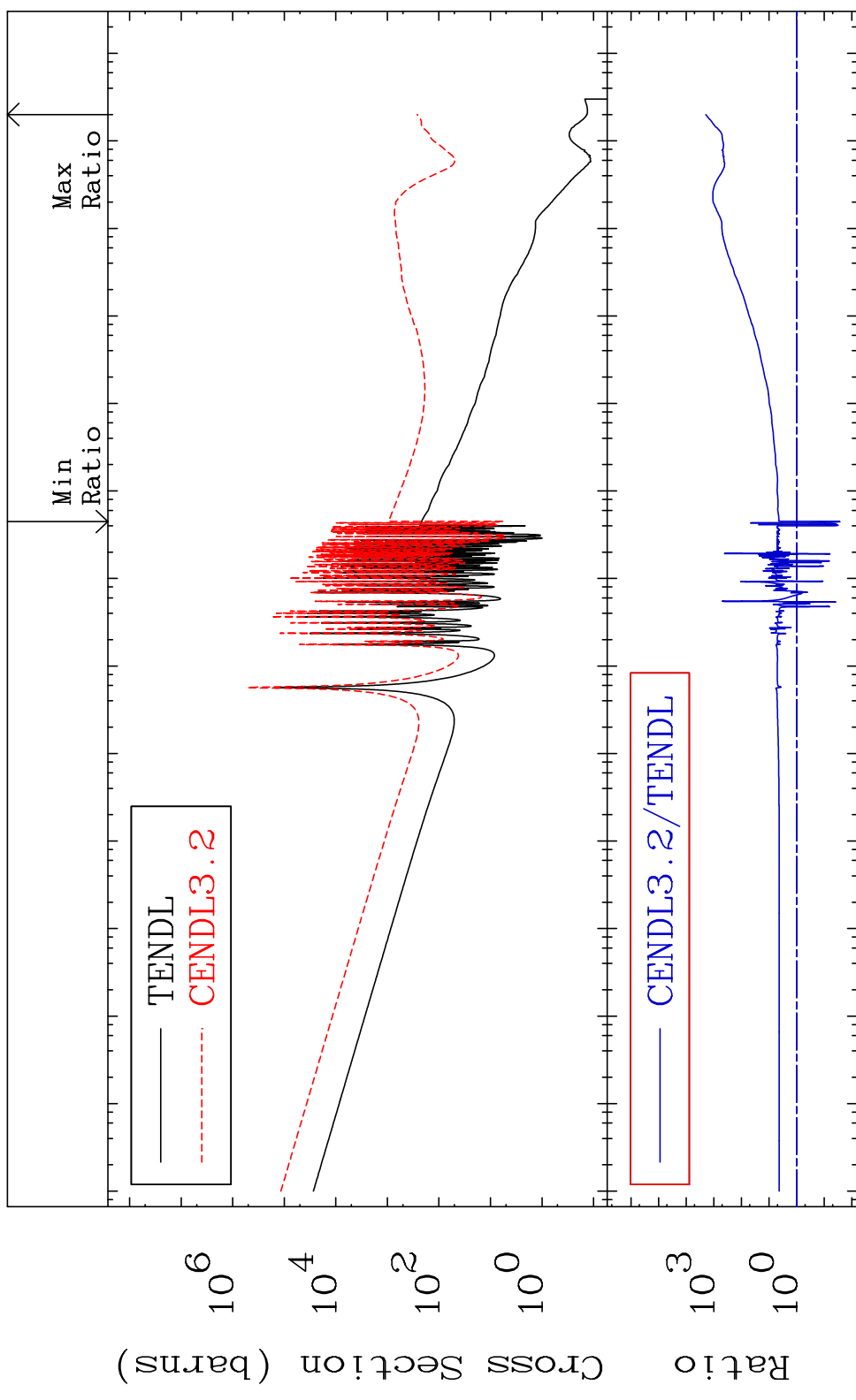


MAT 7240 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-179  
 Cross Section -1451. To 4695. %



MAT 7240

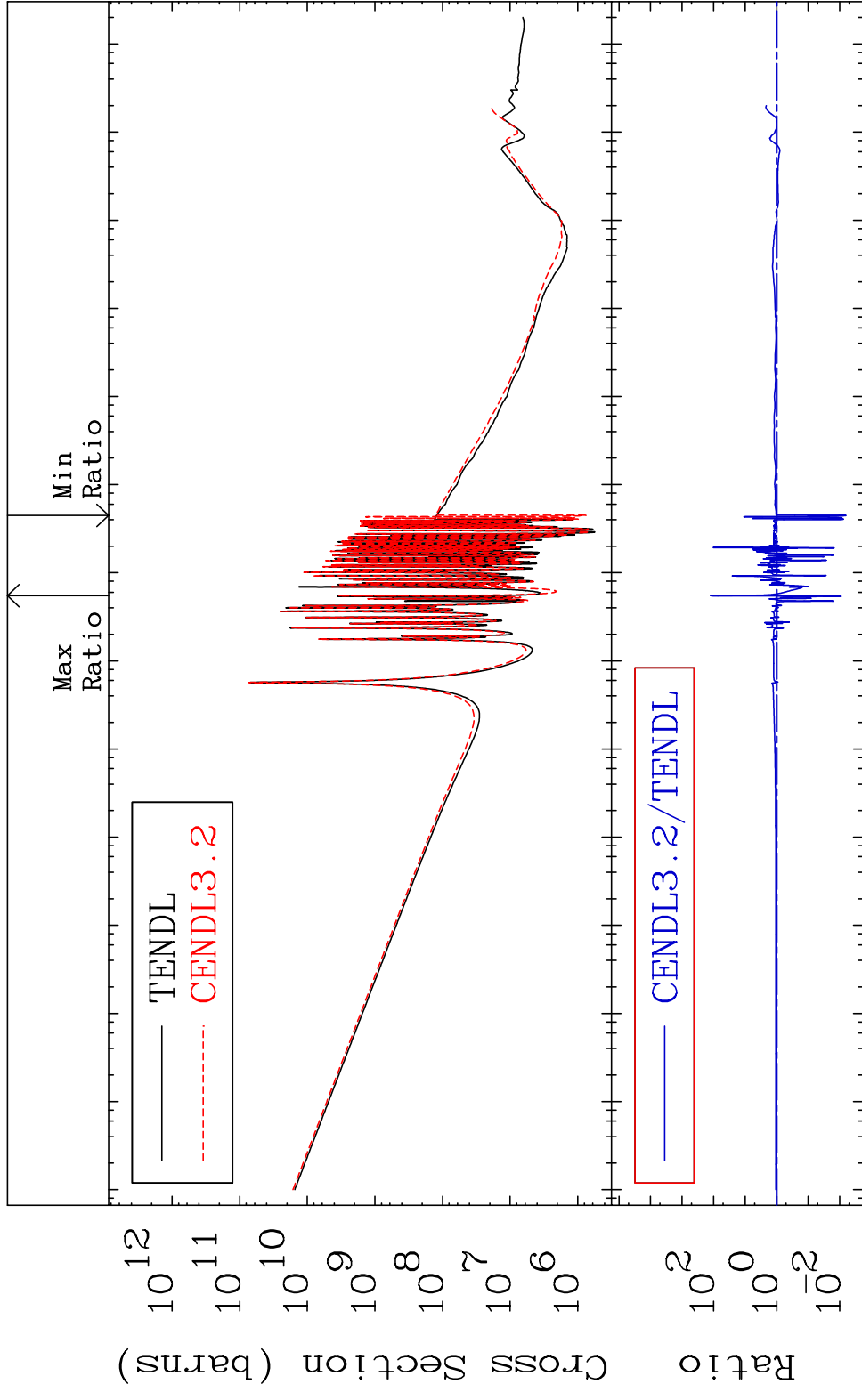
Kerma capture (mt102) 72-Hf-179  
Cross Section -97.39 To 9999. %



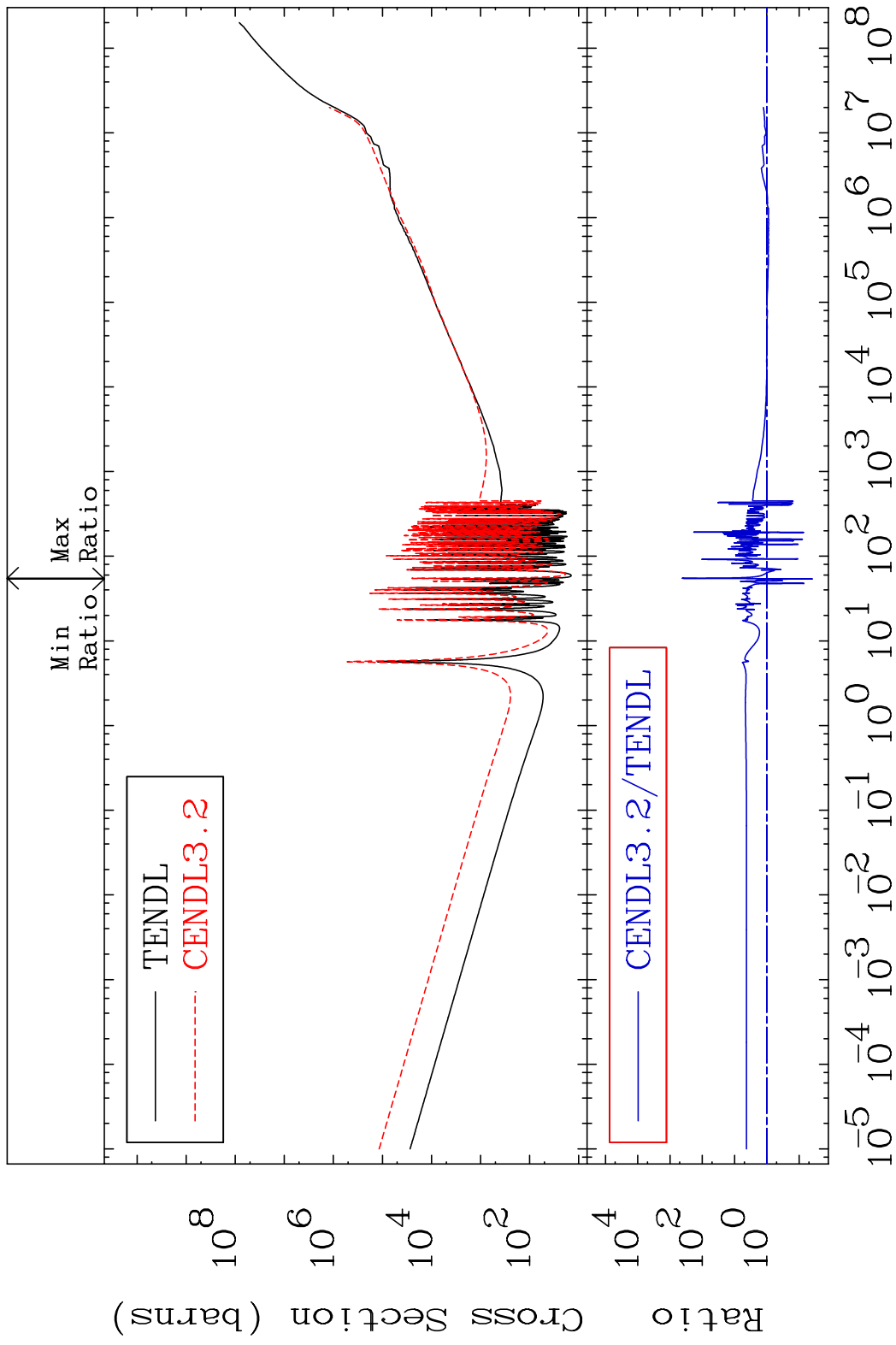
42

Incident Energy (eV) 72-Hf-179

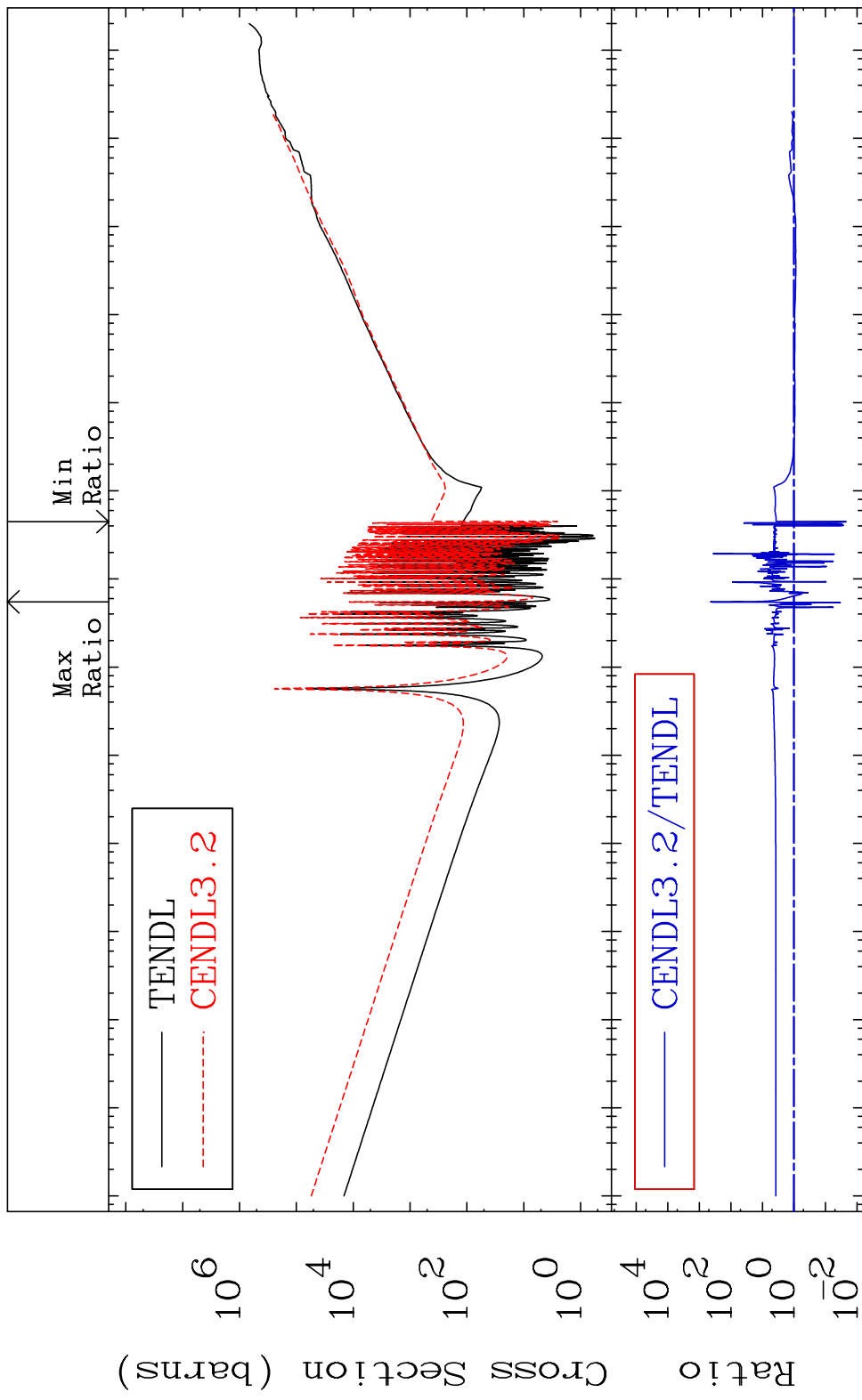
MAT 7240 Total photon (eV-barns) 72-Hf-179  
 Cross Section -99.38 To 9999. %



MAT 7240 Total kinematic kerma (high limit) 72-Hf-179  
 Cross Section -96.16 To 9999. %



MAT 7240      Dpa total (eV-barns)      72-Hf-179  
 Cross Section      -97.81 To 9999. %



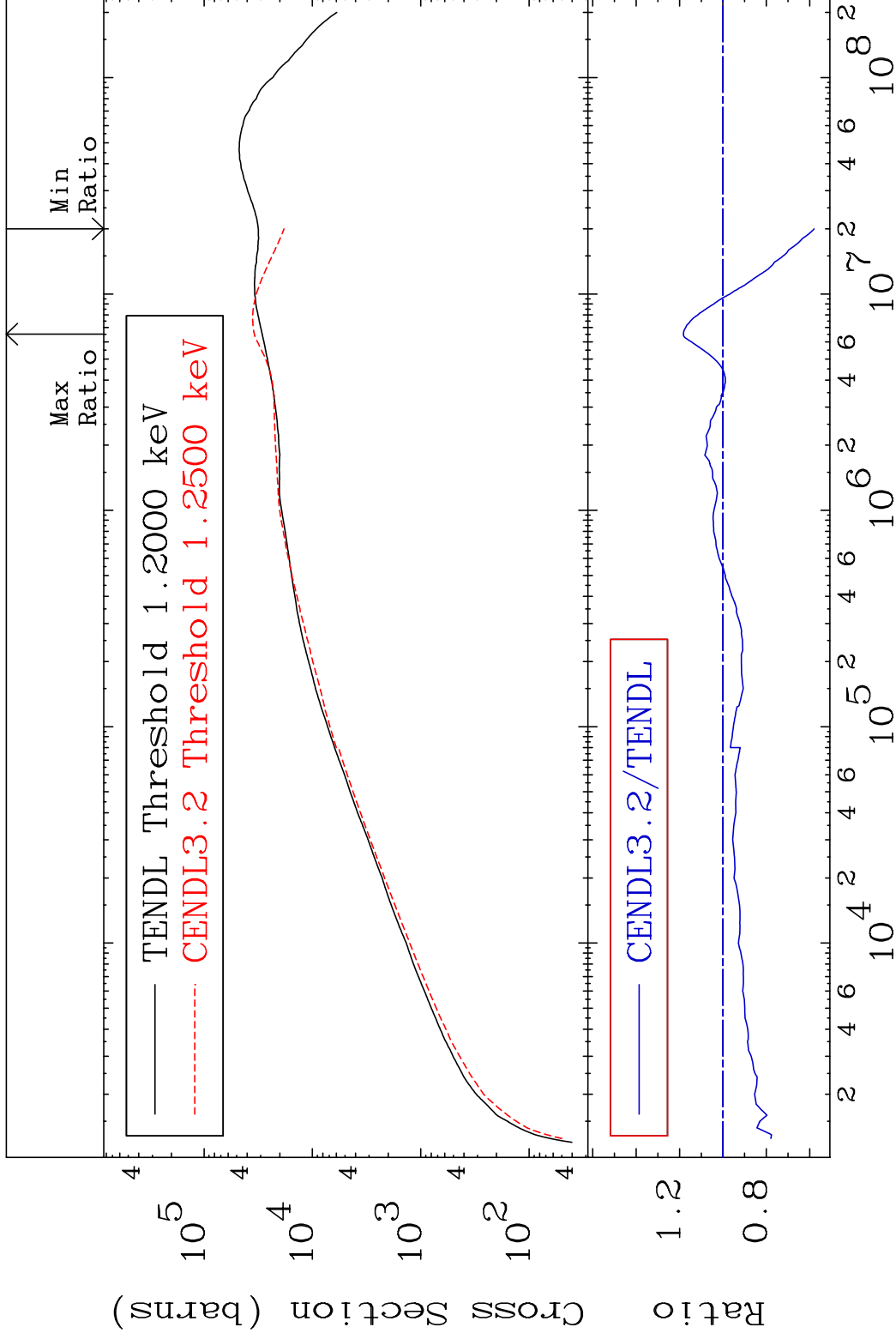
45      Incident Energy (eV)      72-Hf-179

MAT 7240

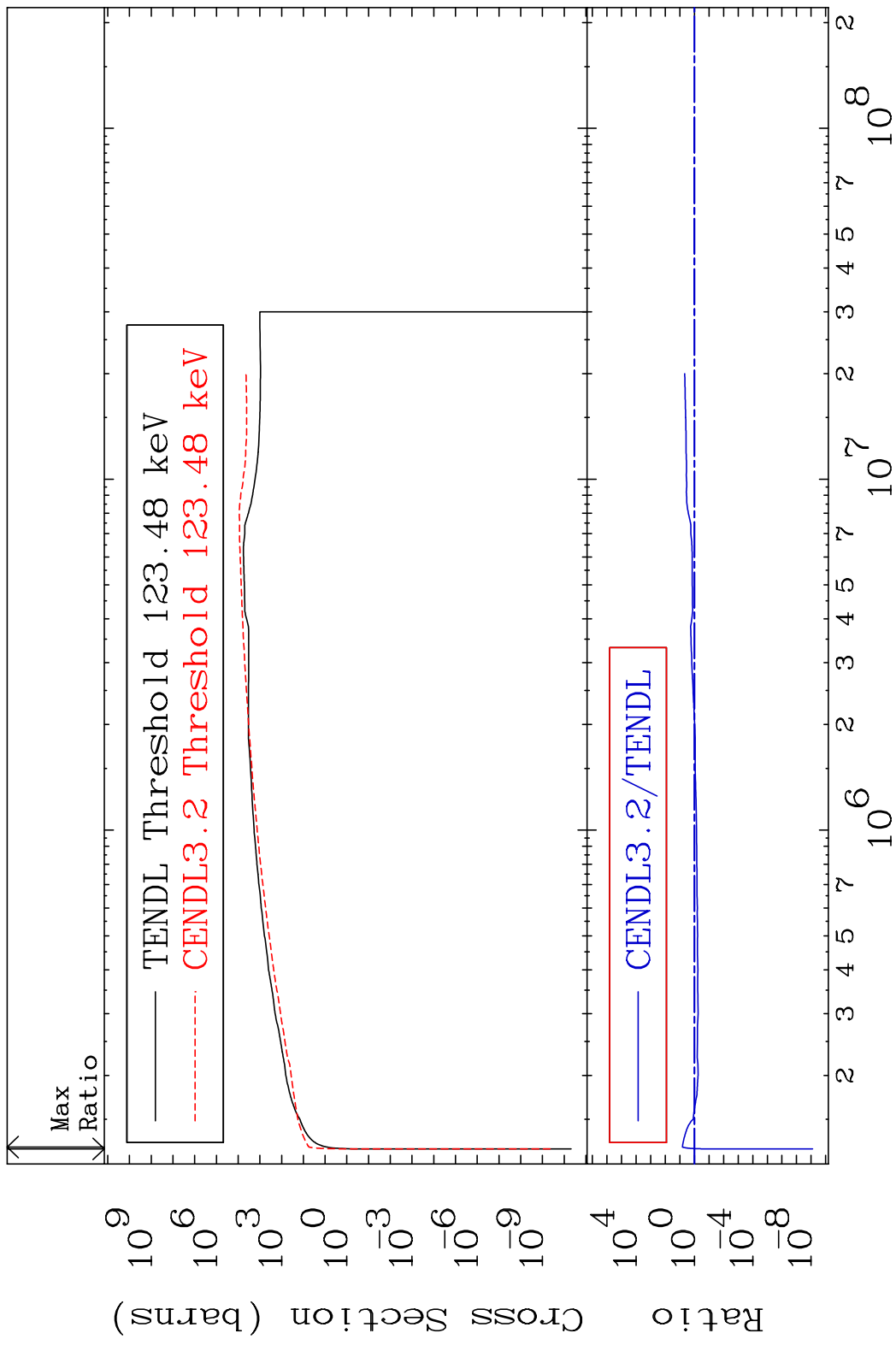
Dpa elastic (mt2)

72-Hf-179

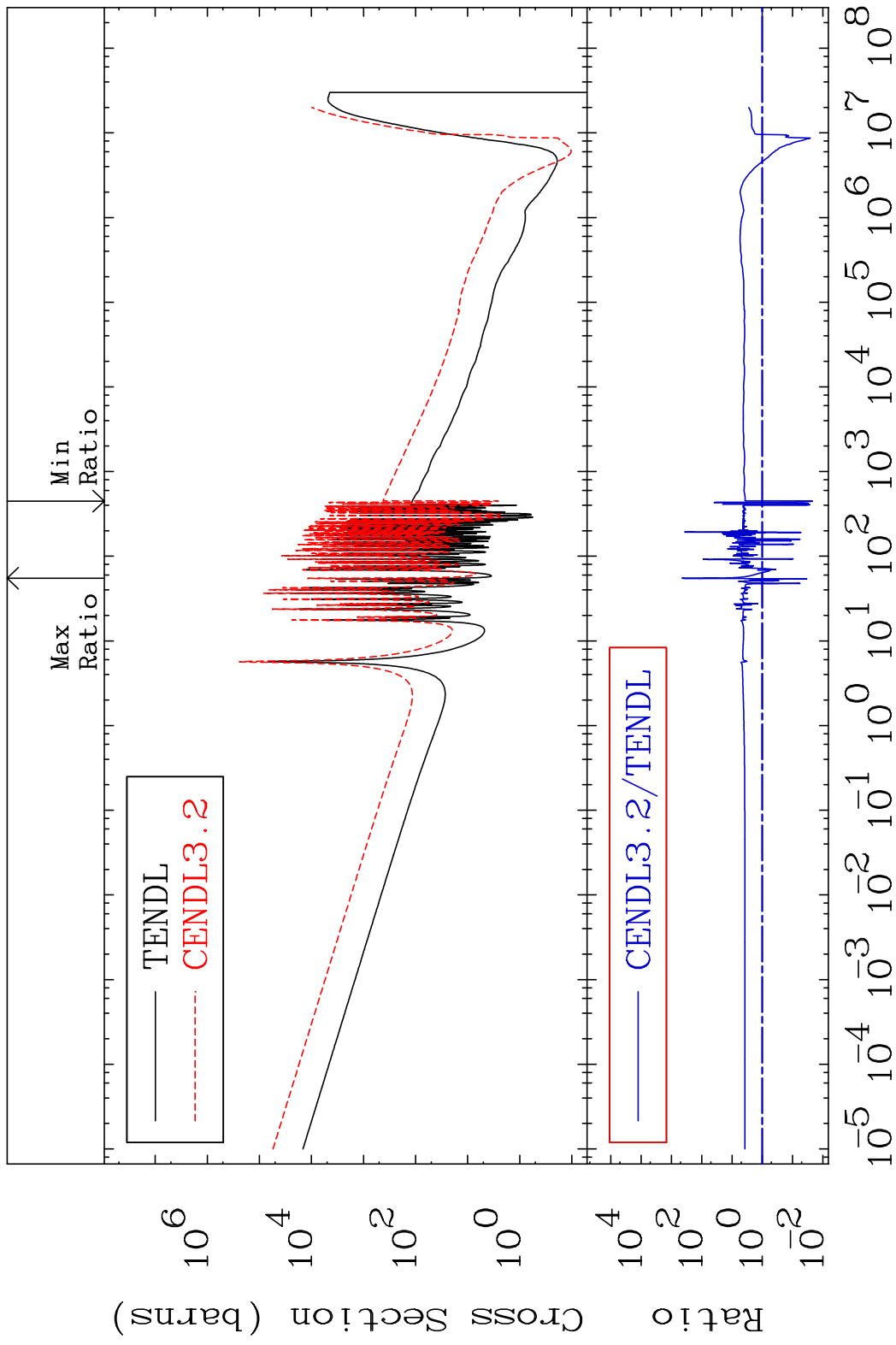
Cross Section -41.97 To 18.19 %



MAT 7240      Dpa inelastic (mt51-91)      72-Hf-179  
 Cross Section      -100.0 To 572.9 %

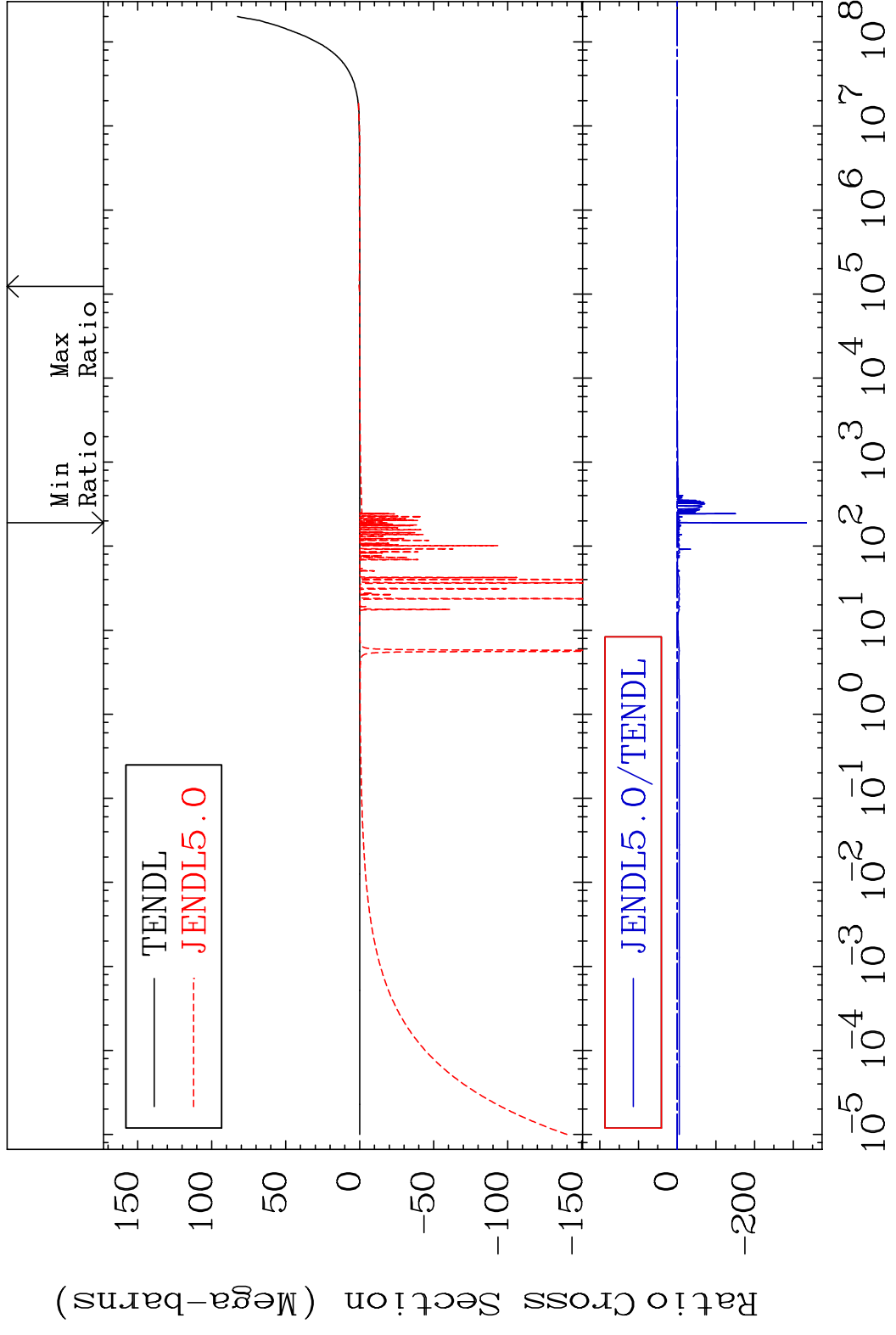


MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179  
 Cross Section -97.81 To 9999. %



MAT 7240

Kerma total (eV-barns) 72-Hf-179  
Cross Section -9999. To 4895. %

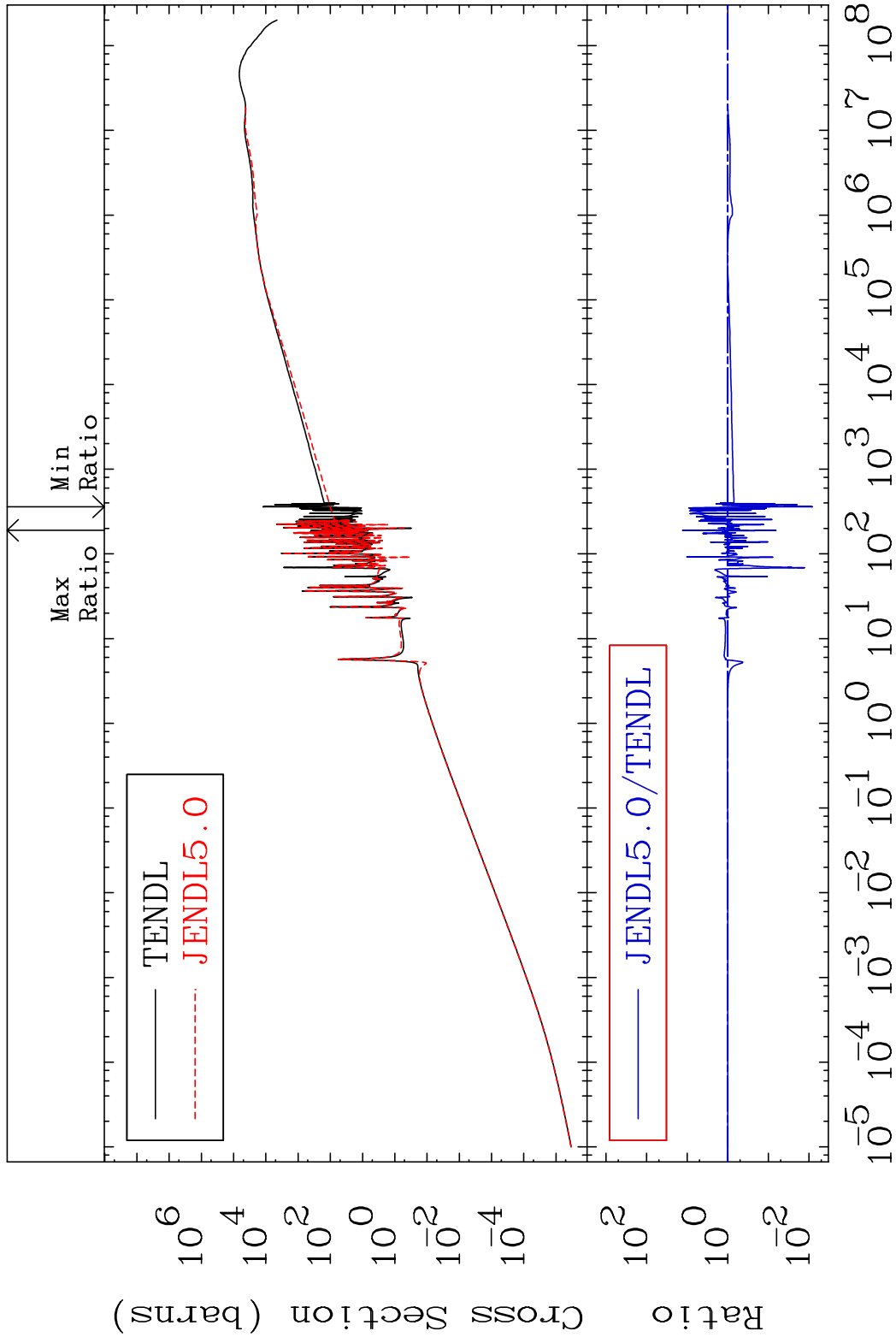


MAT 7240

Kerma elastic

72-Hf-179

Cross Section -99.18 To 1219. %

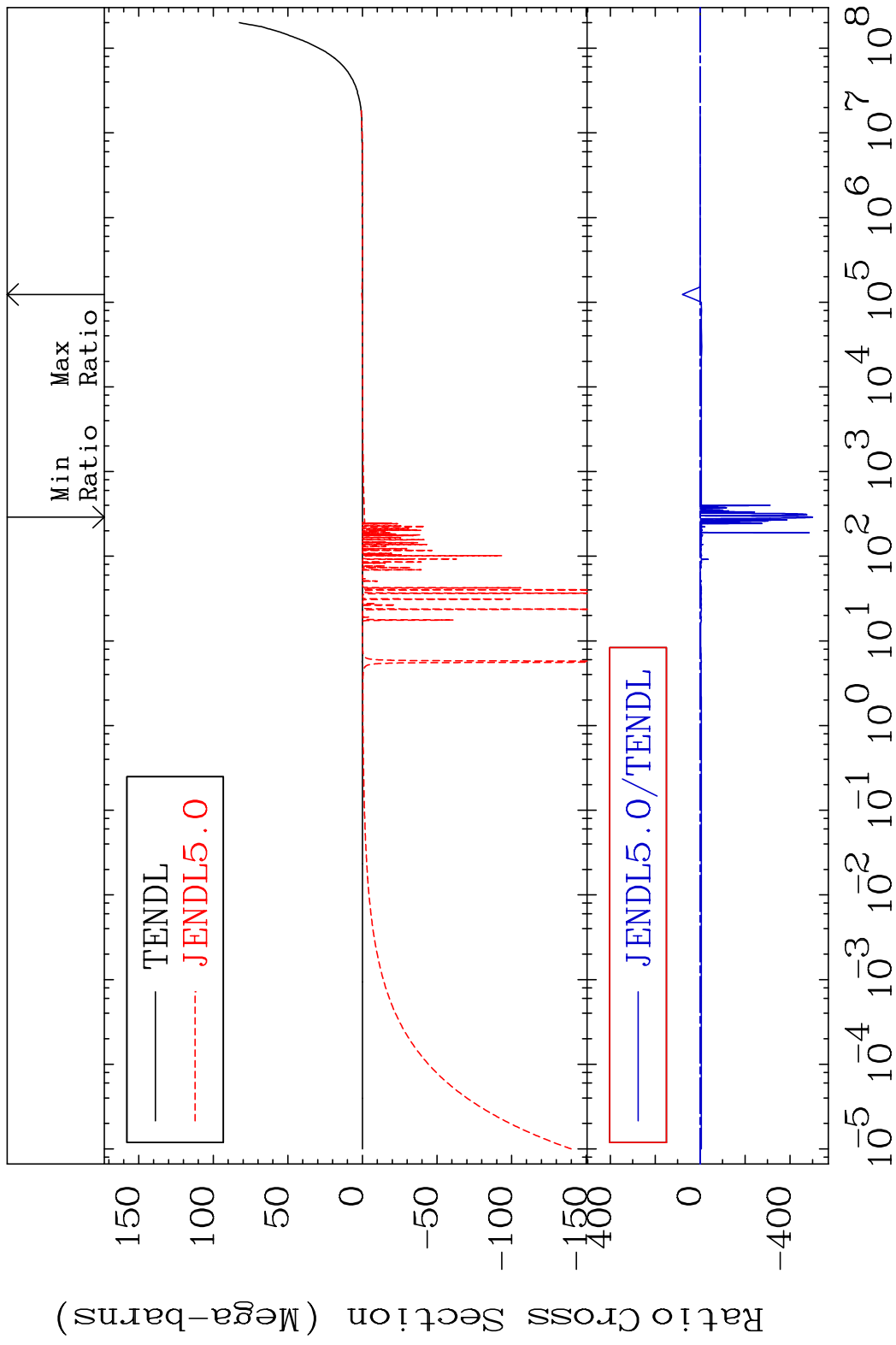


50

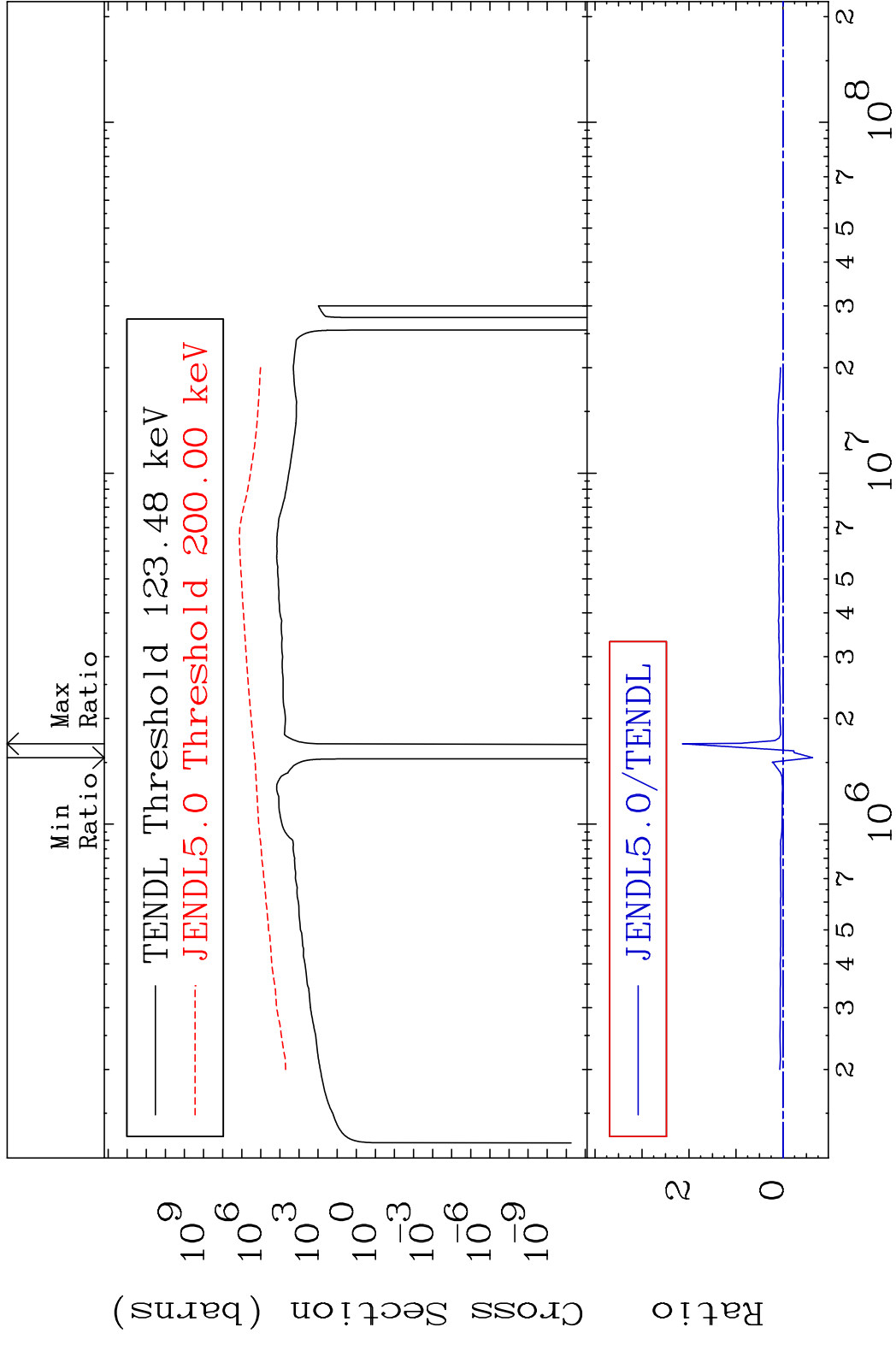
Incident Energy (eV)

72-Hf-179

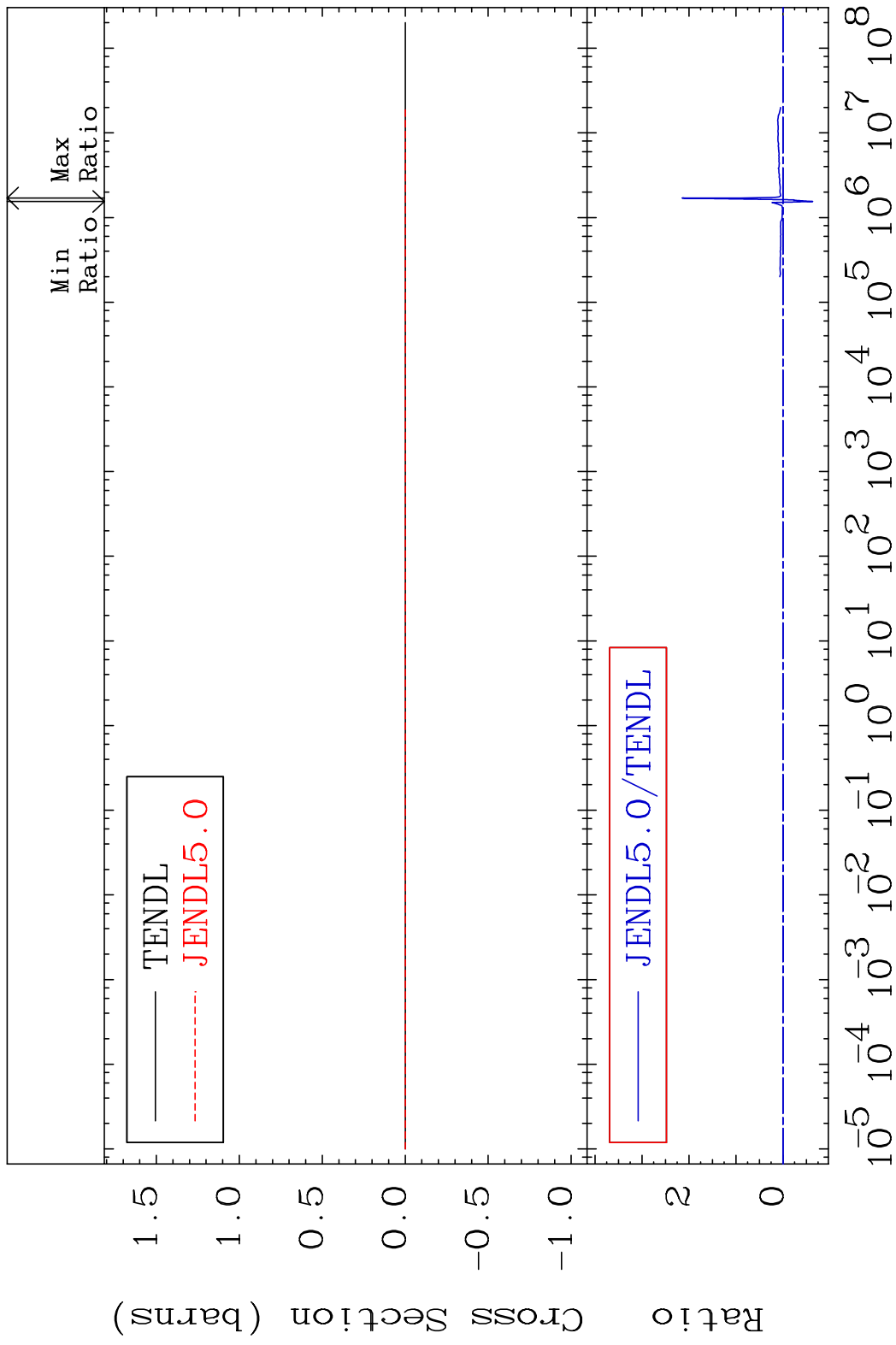
MAT 7240 Kerma non-elastic (all but mt2) 72-Hf-179  
 Cross Section -9999. To 9999. %

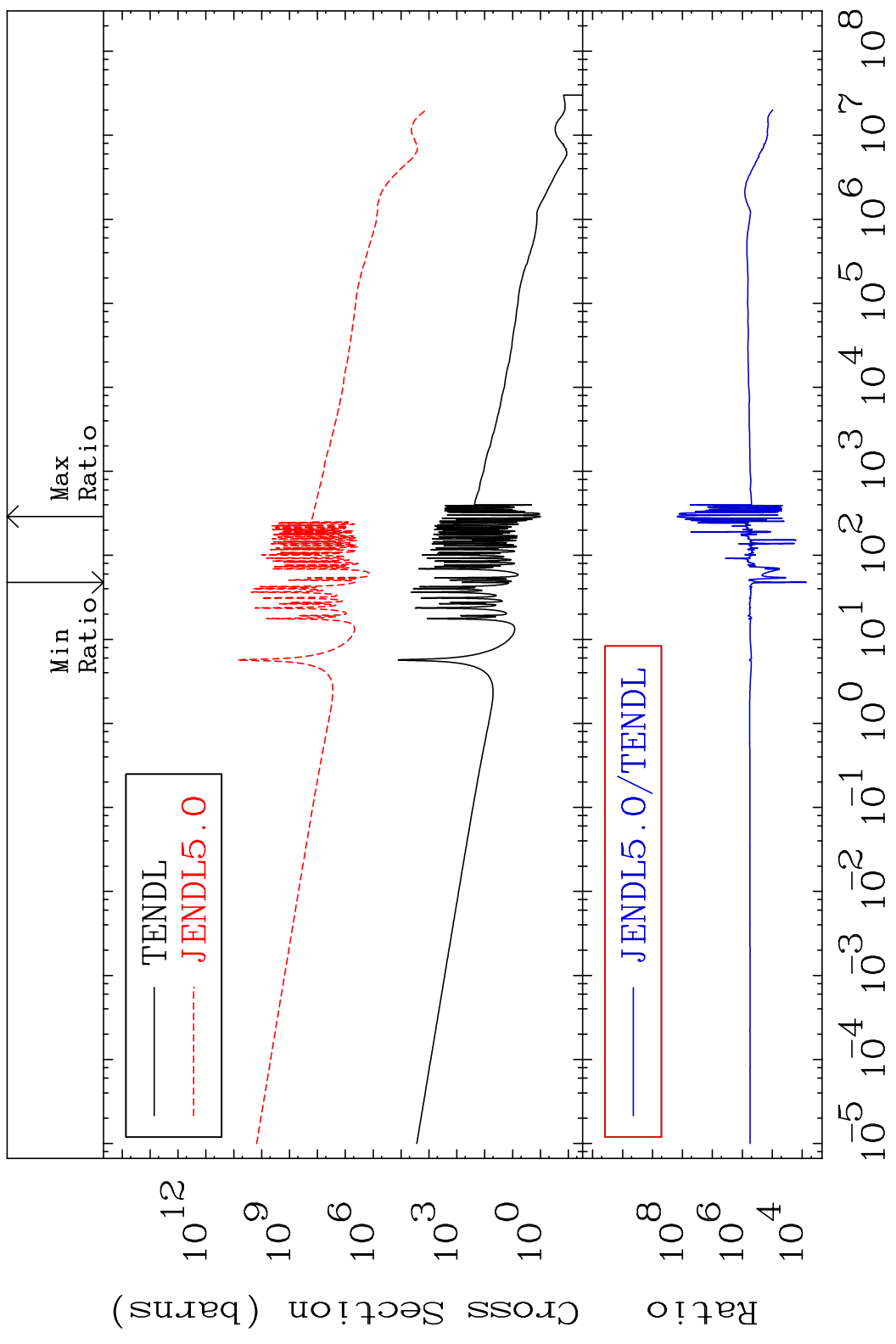


MAT 7240 Kerma inelastic (mt51-91) 72-Hf-179  
 Cross Section -9999. To 9999. %

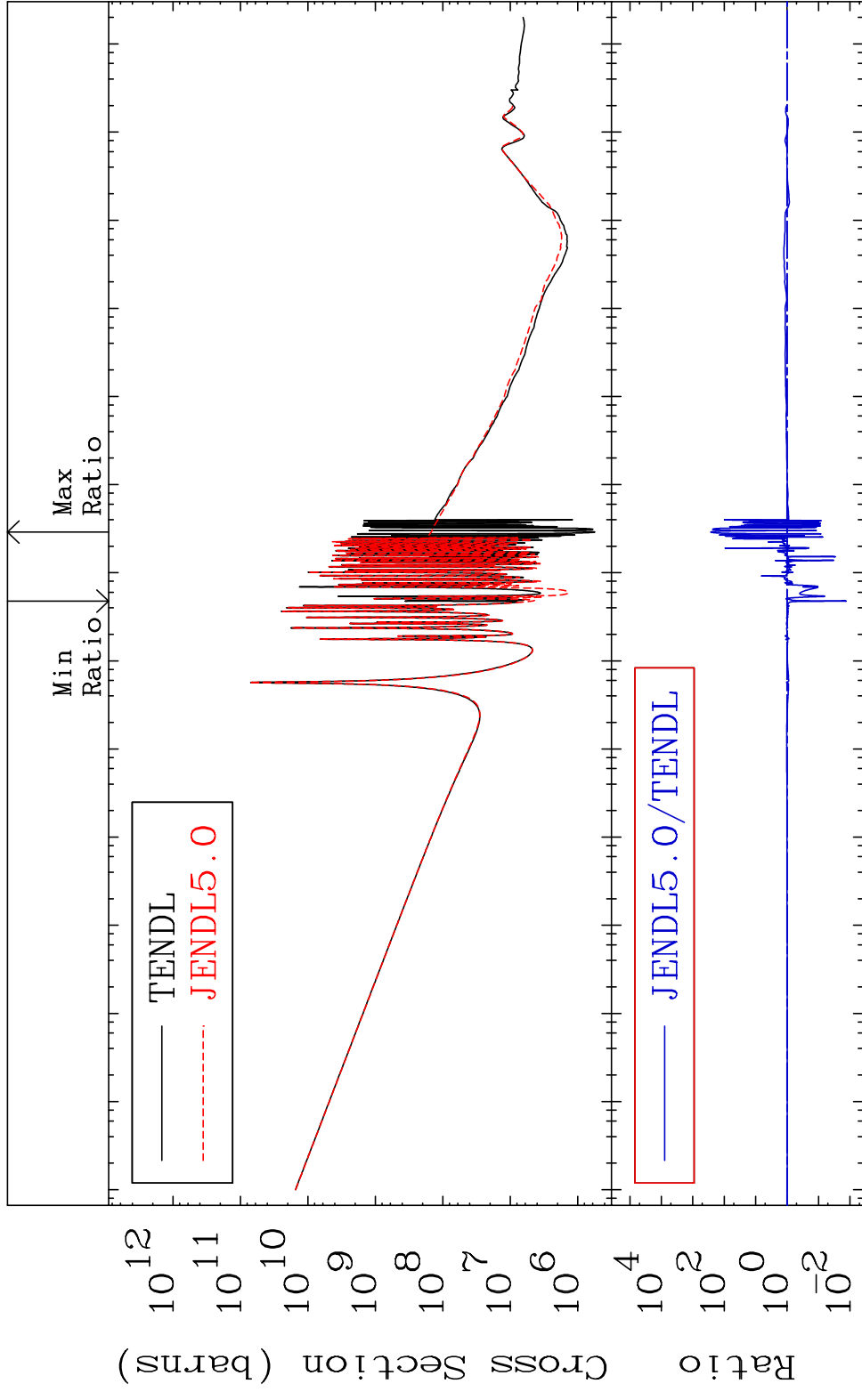


MAT 7240 Kerma fission (mt18 or mt19-20-21-38)72-Hf-179  
 Cross Section -9999. To 9999. %

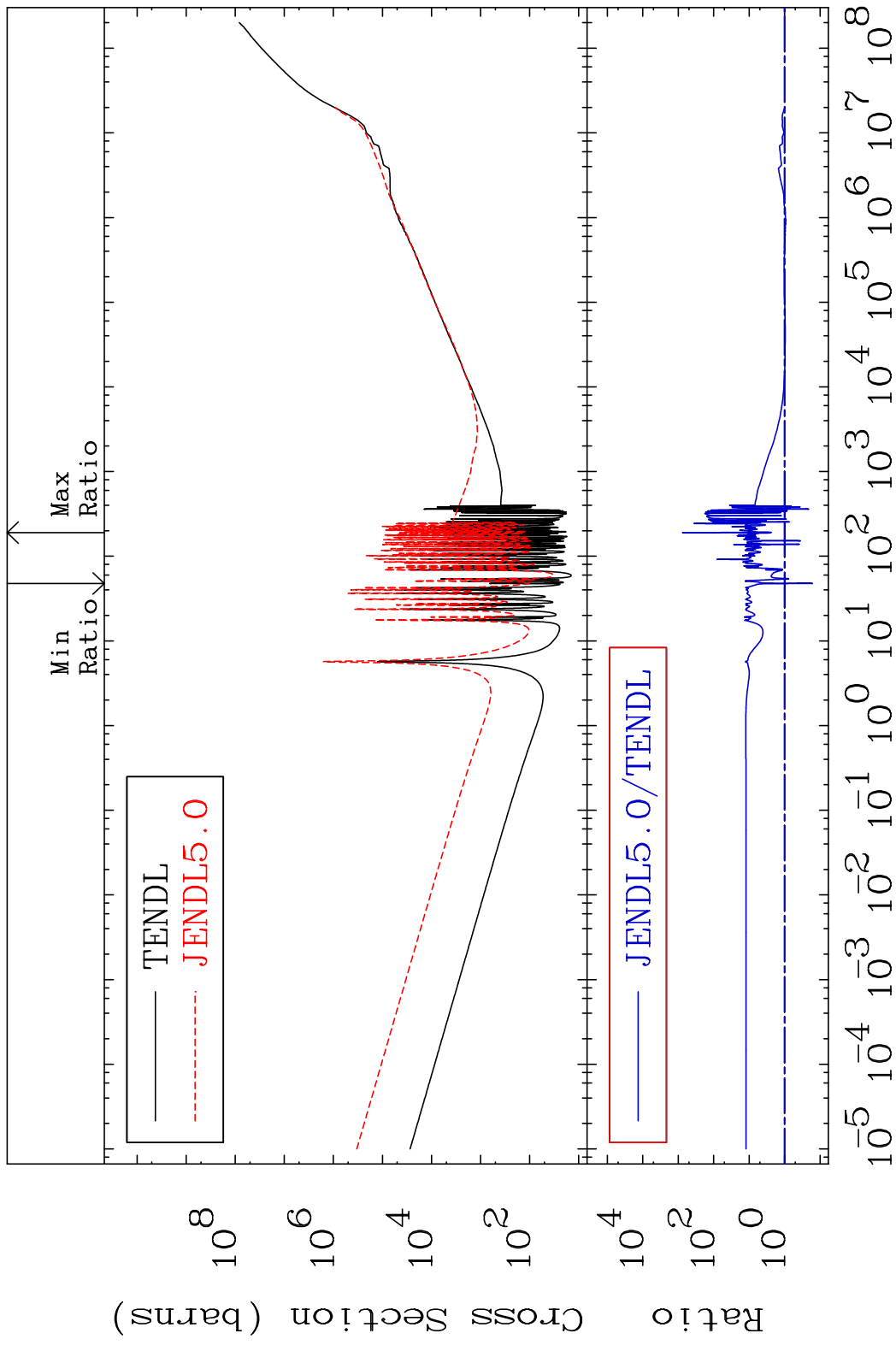




MAT 7240 Total photon (eV-barns) 72-Hf-179  
 Cross Section -98.70 To 9999. %



MAT 7240 Total kinematic kerma (high limit) 72-Hf-179  
 Cross Section -83.64 To 9999. %

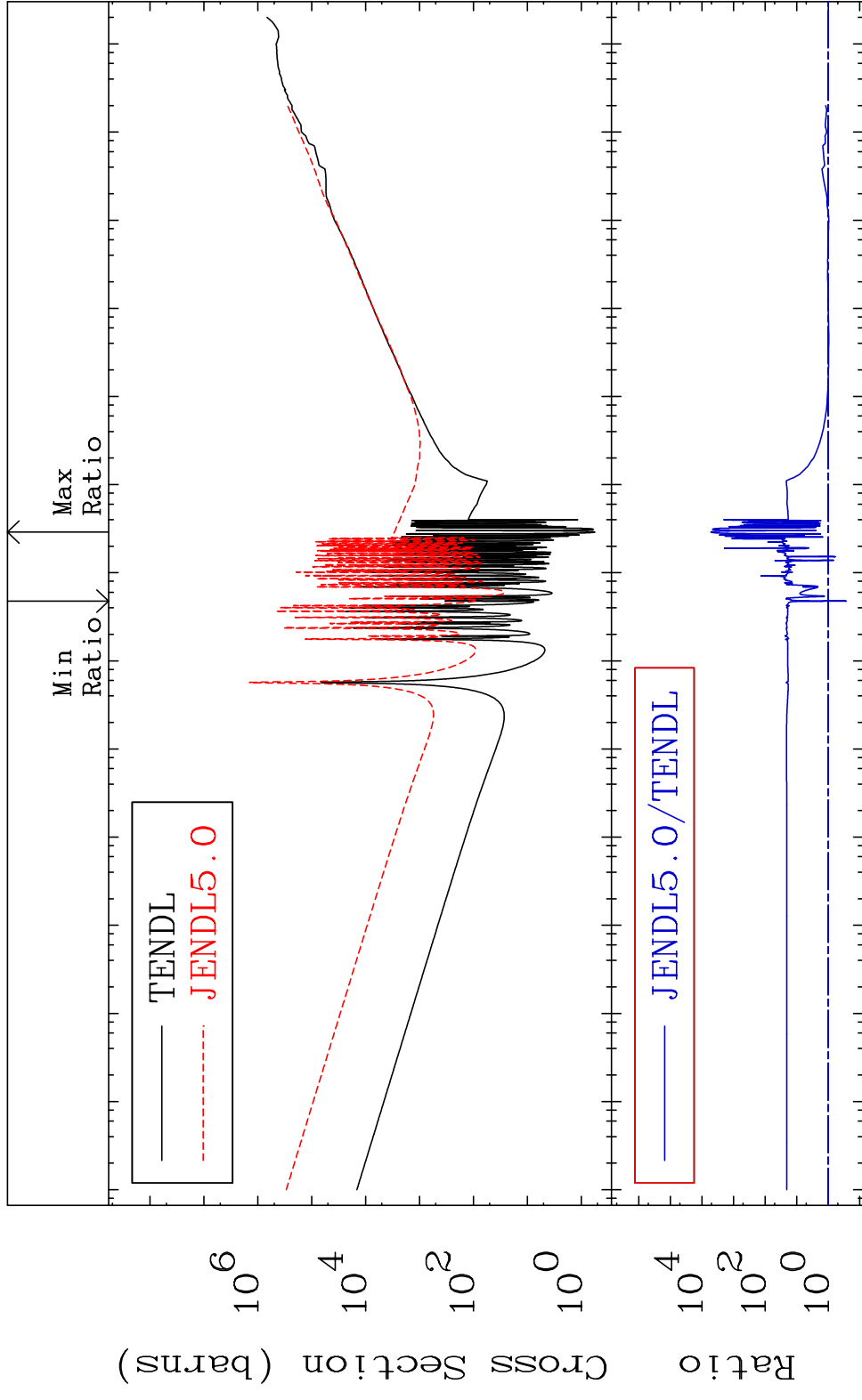


MAT 7240

Dpa total (eV-barns)

72-Hf-179

Cross Section -73.32 To 9999. %



57

Incident Energy (eV)

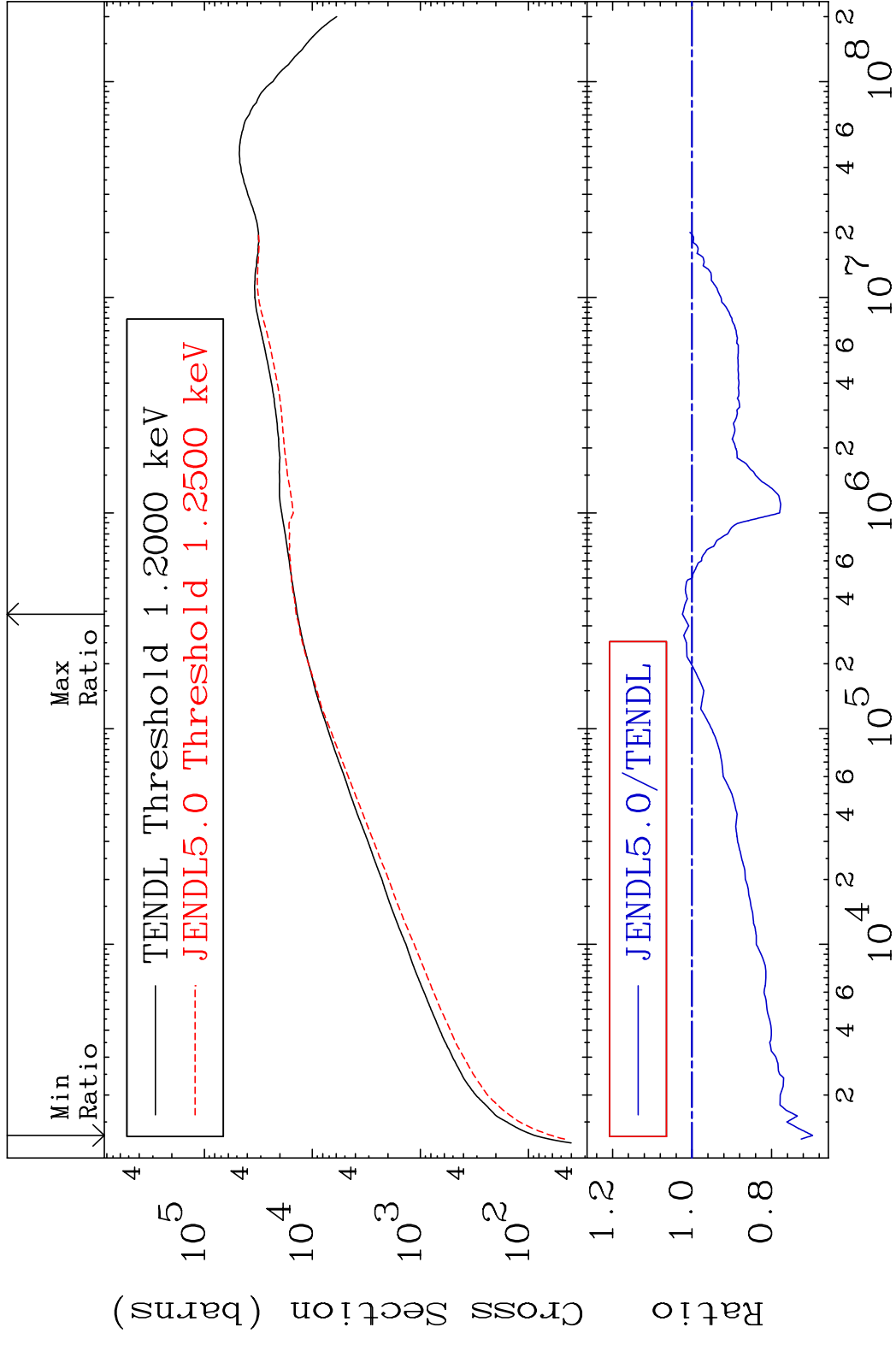
72-Hf-179

MAT 7240

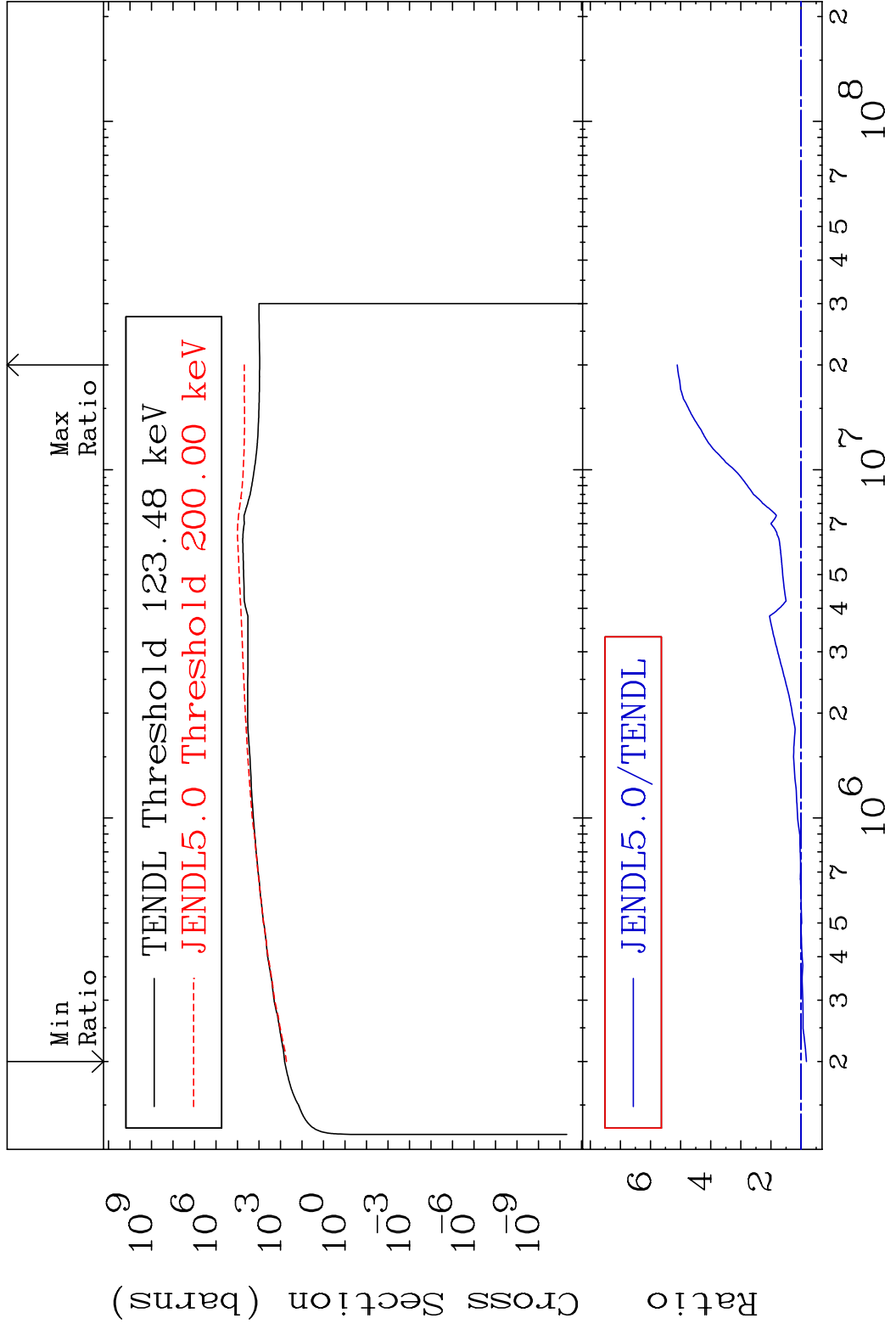
Dpa elastic (mt2)

72-Hf-179

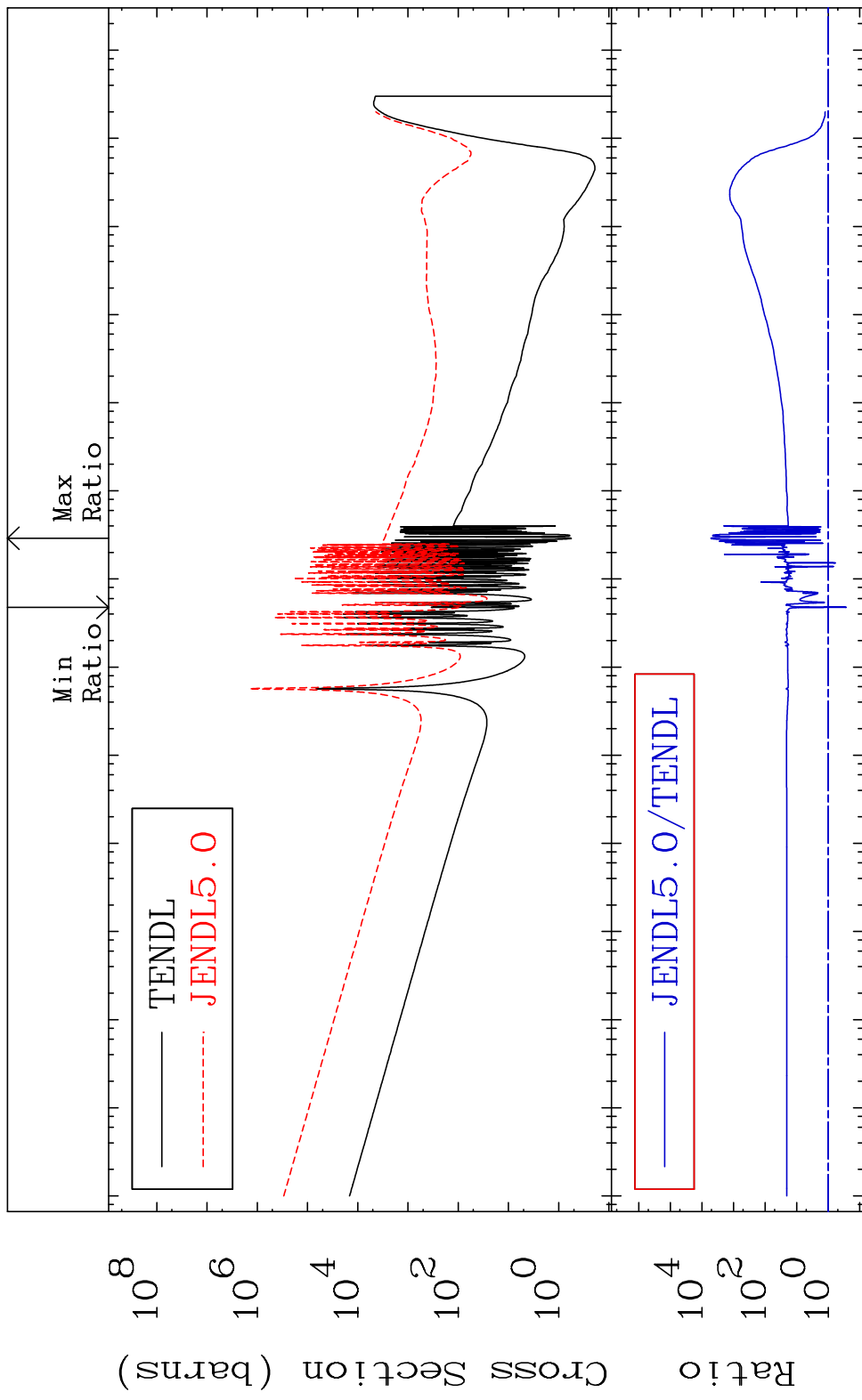
Cross Section -30.32 To 2.435 %



MAT 7240 Dpa inelastic (mt51-91) 72-Hf-179  
 Cross Section -17.71 To 411.4 %

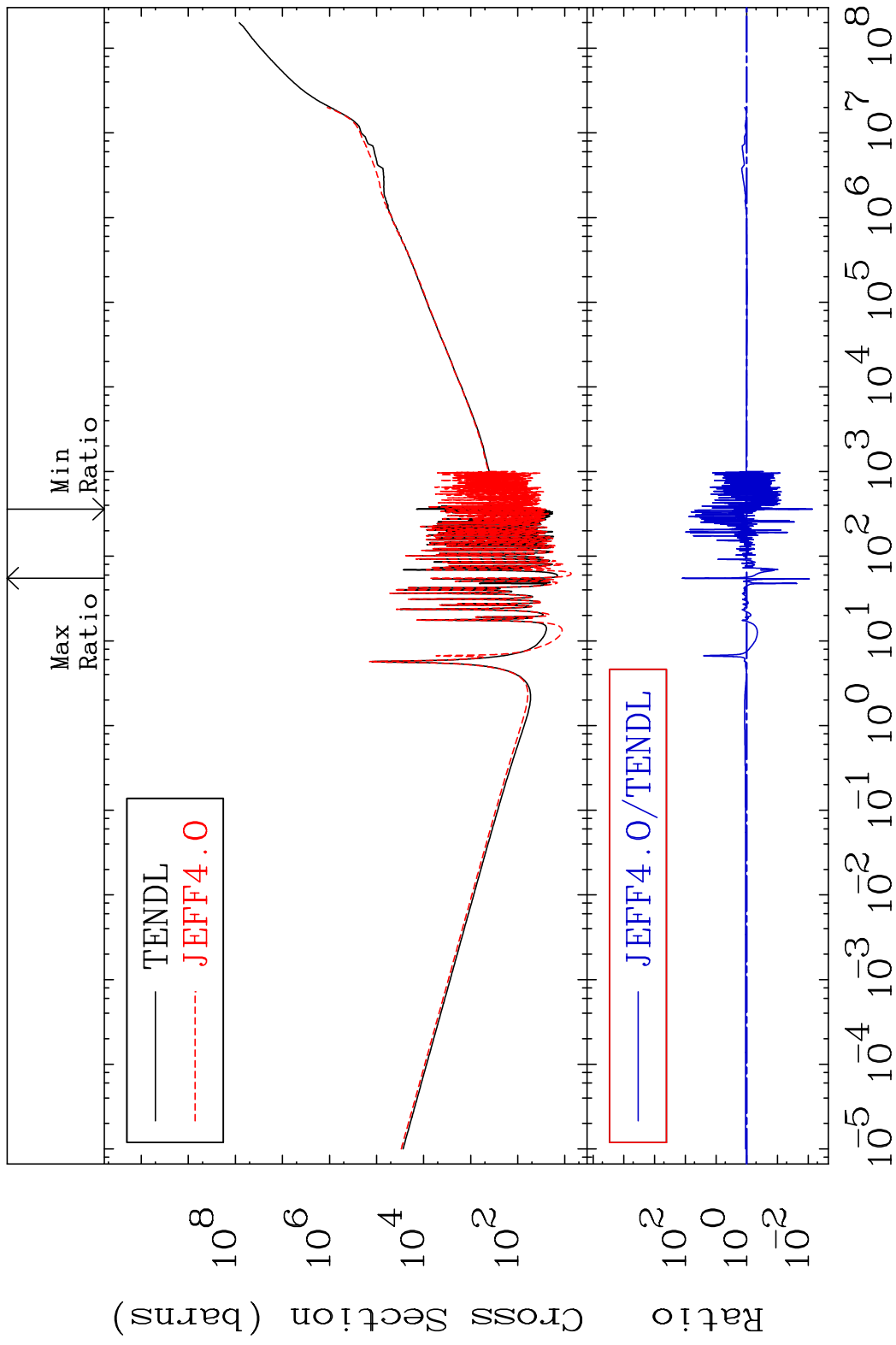


MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179  
 Cross Section -73.32 To 9999. %



60 Incident Energy (eV) 72-Hf-179

MAT 7240 Total kinematic kerma (high limit) 72-Hf-179  
 Cross Section -99.28 To 9999. %

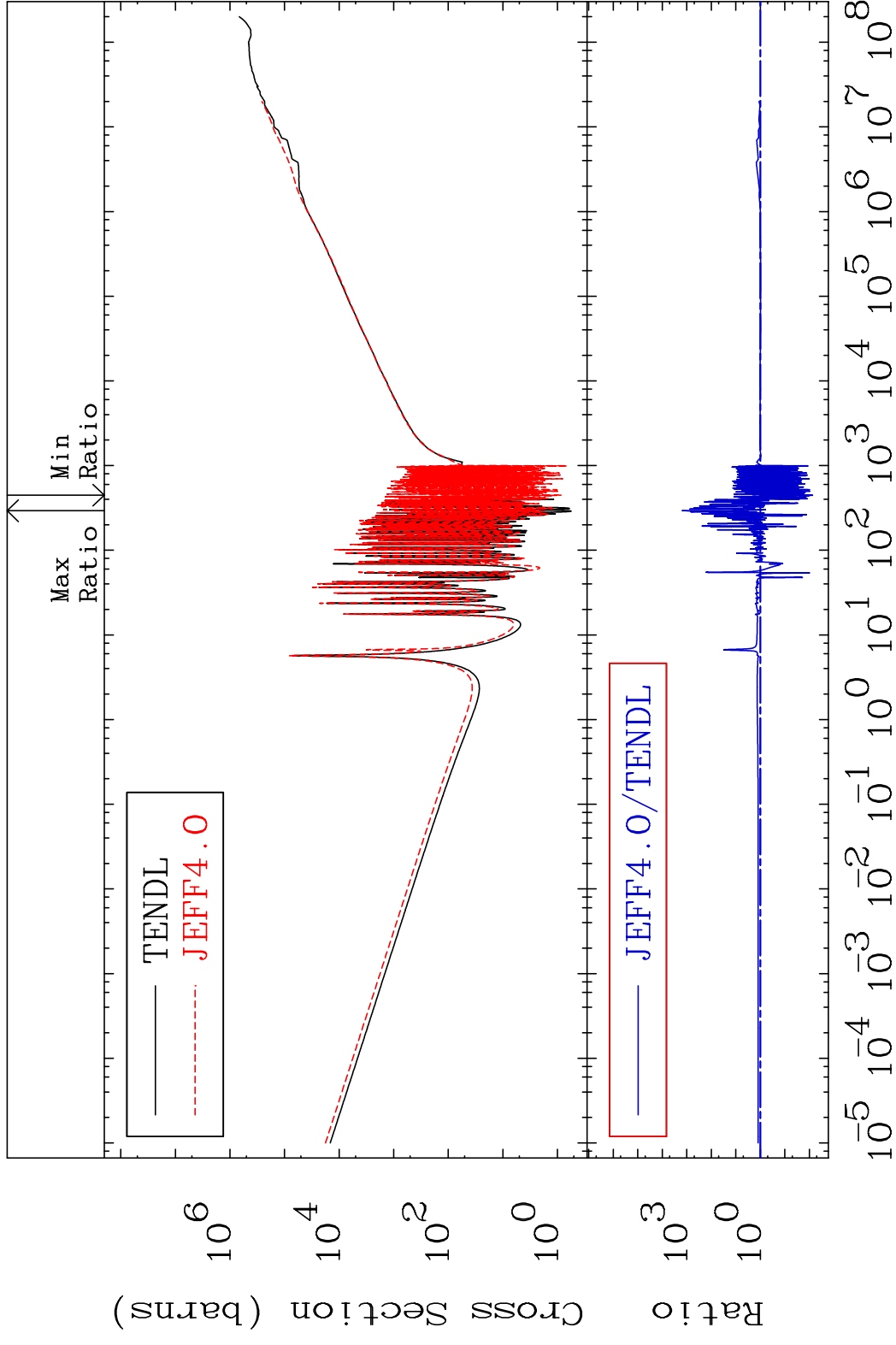


MAT 7240

Dpa total (eV-barns)

72-Hf-179

Cross Section -99.26 To 9999. %



62

Incident Energy (eV)

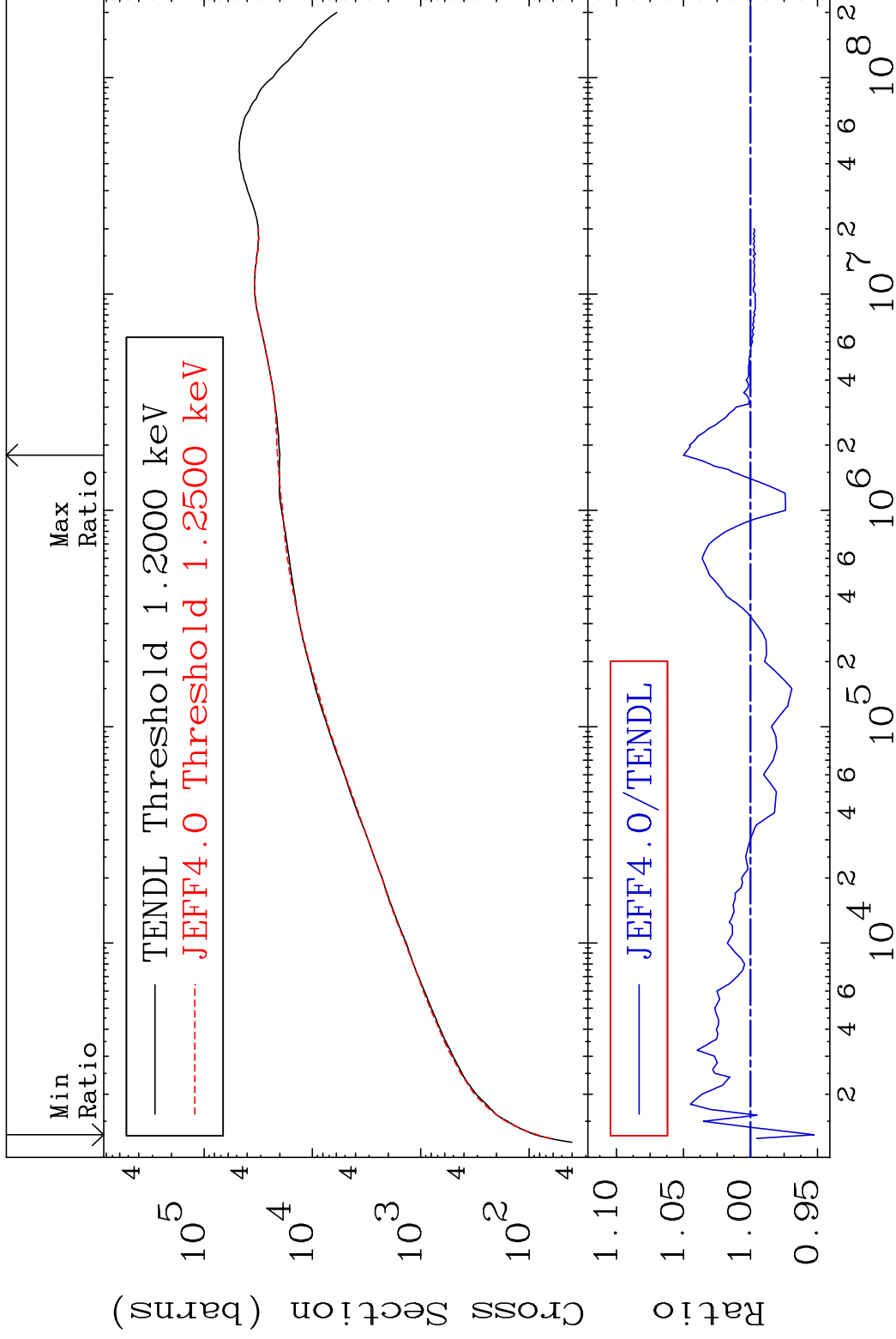
72-Hf-179

MAT 7240

Dpa elastic (mt2)

72-Hf-179

Cross Section -4.741 To 5.005 %

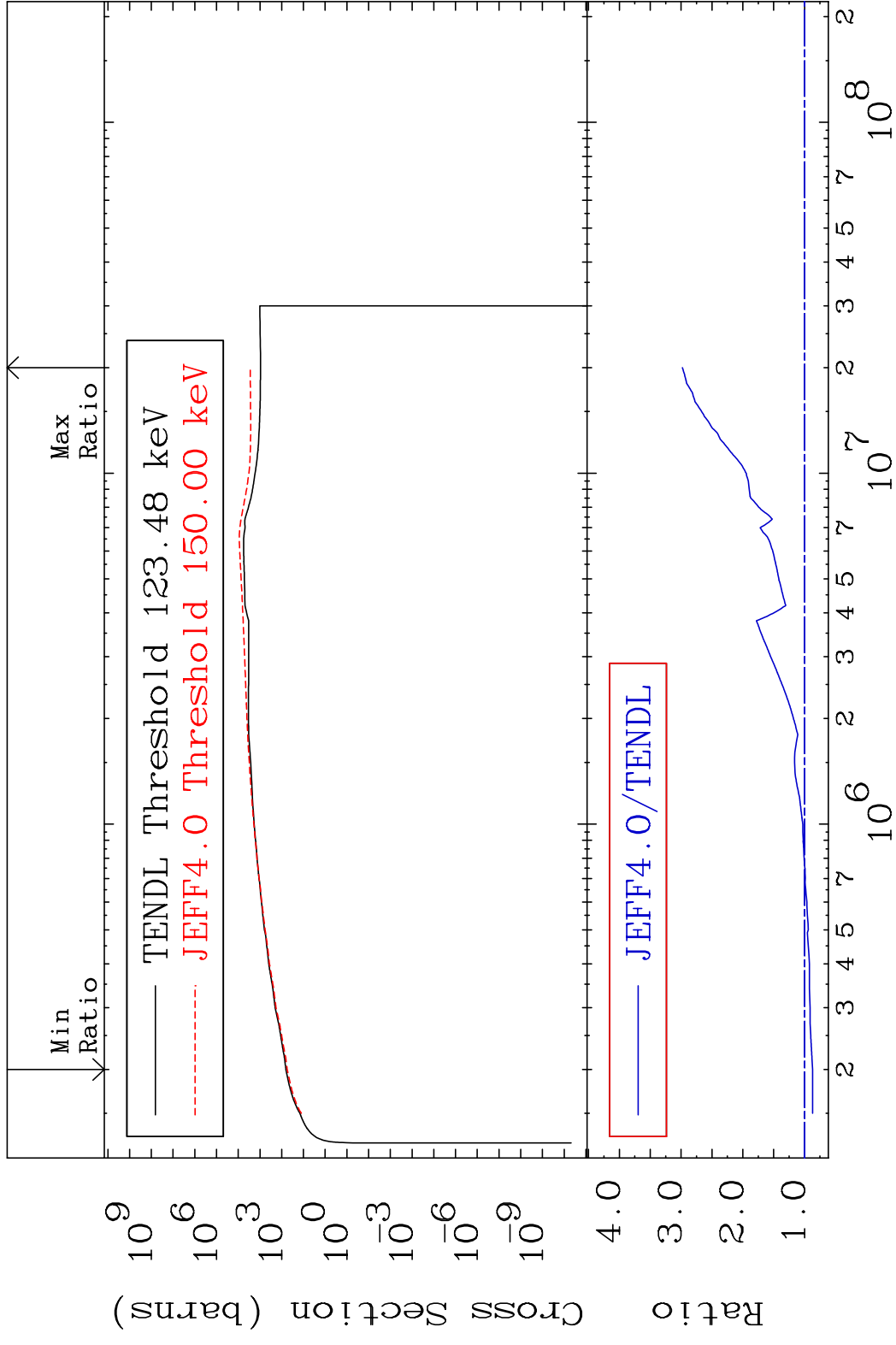


63

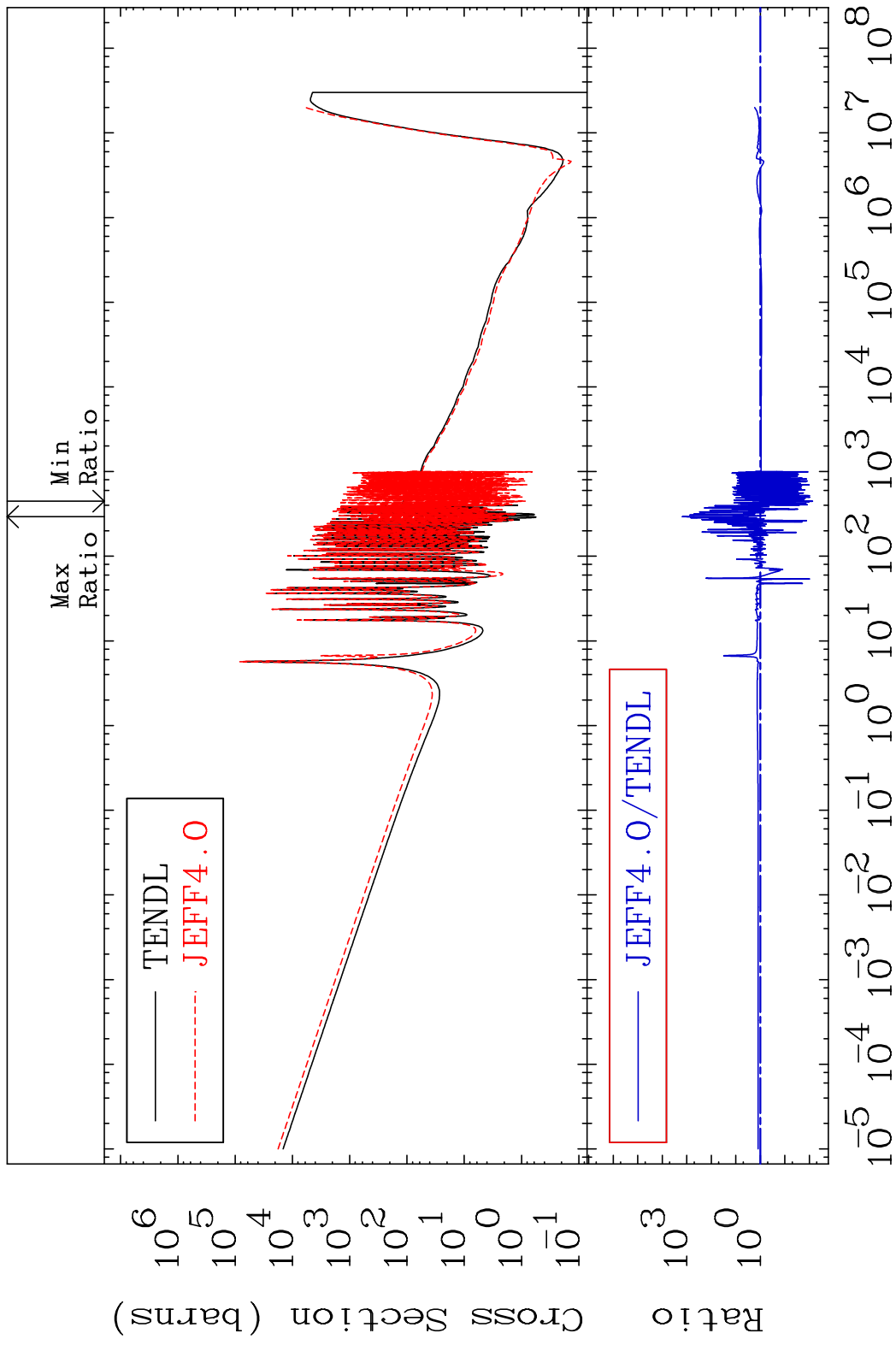
Incident Energy (eV)

72-Hf-179

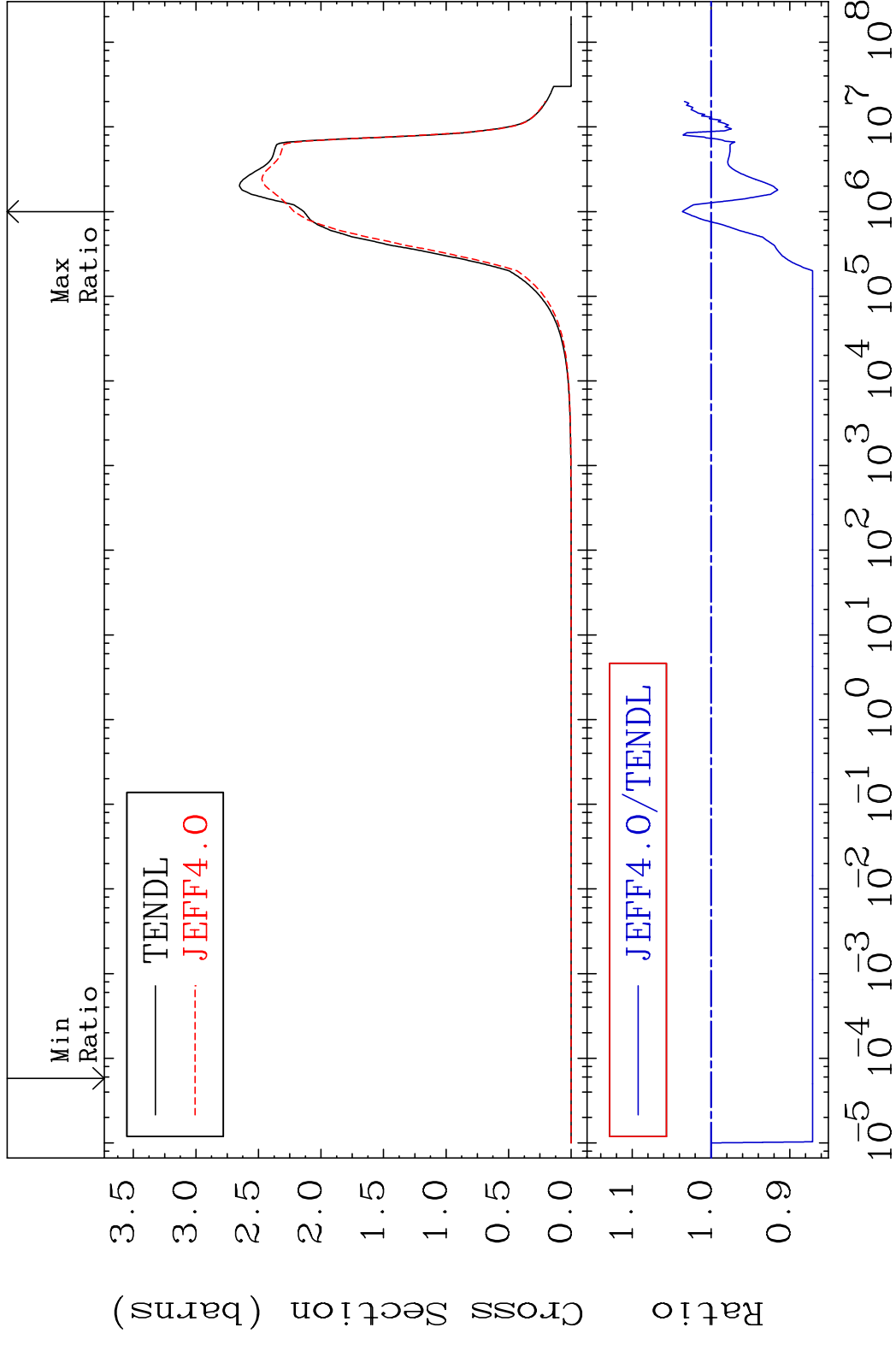
MAT 7240 Dpa inelastic (mt51-91) 72-Hf-179  
 Cross Section -12.99 To 197.9 %

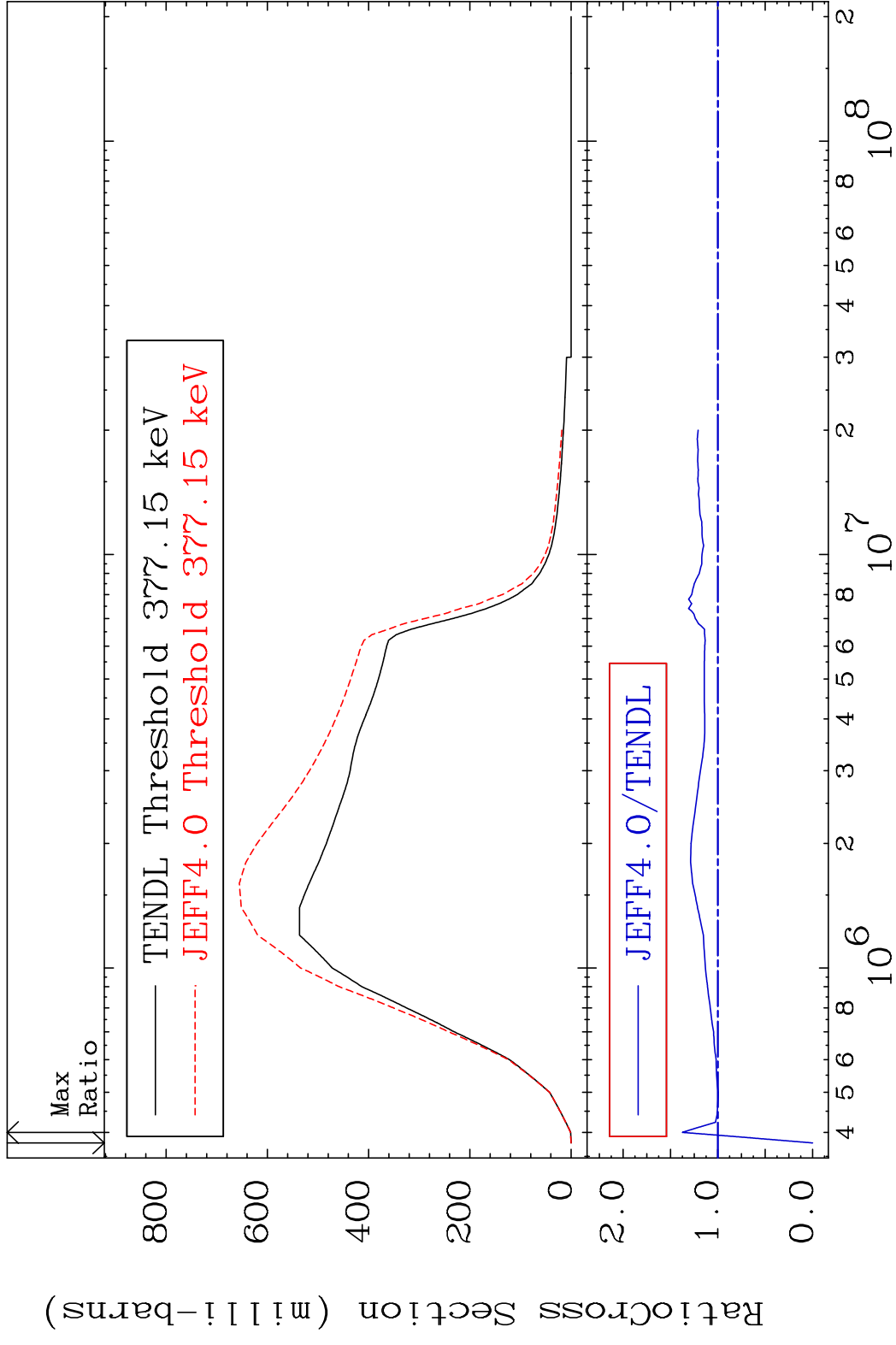


MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179  
 Cross Section -99.26 To 9999. %

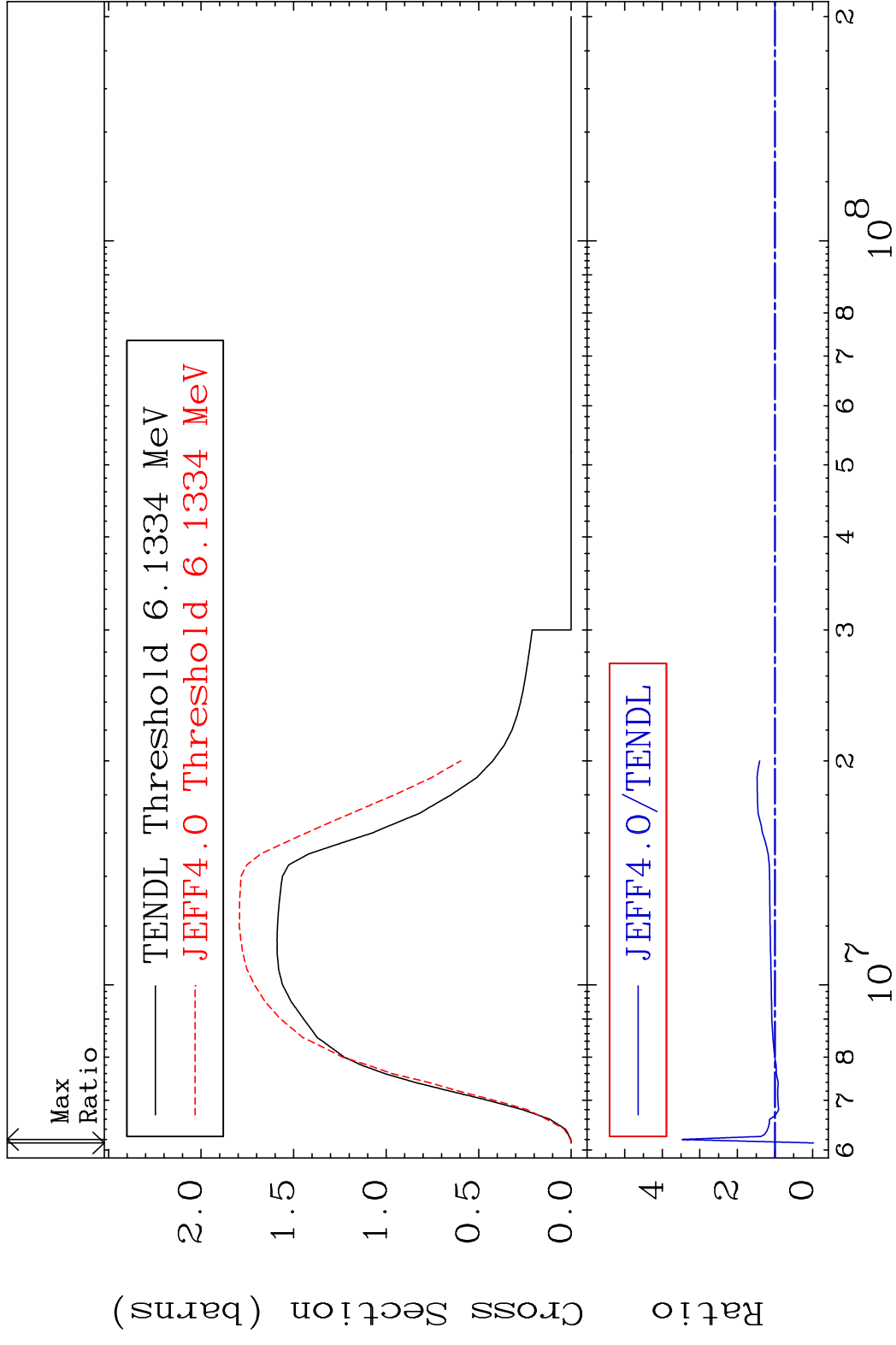


65 Incident Energy (eV) 72-Hf-179

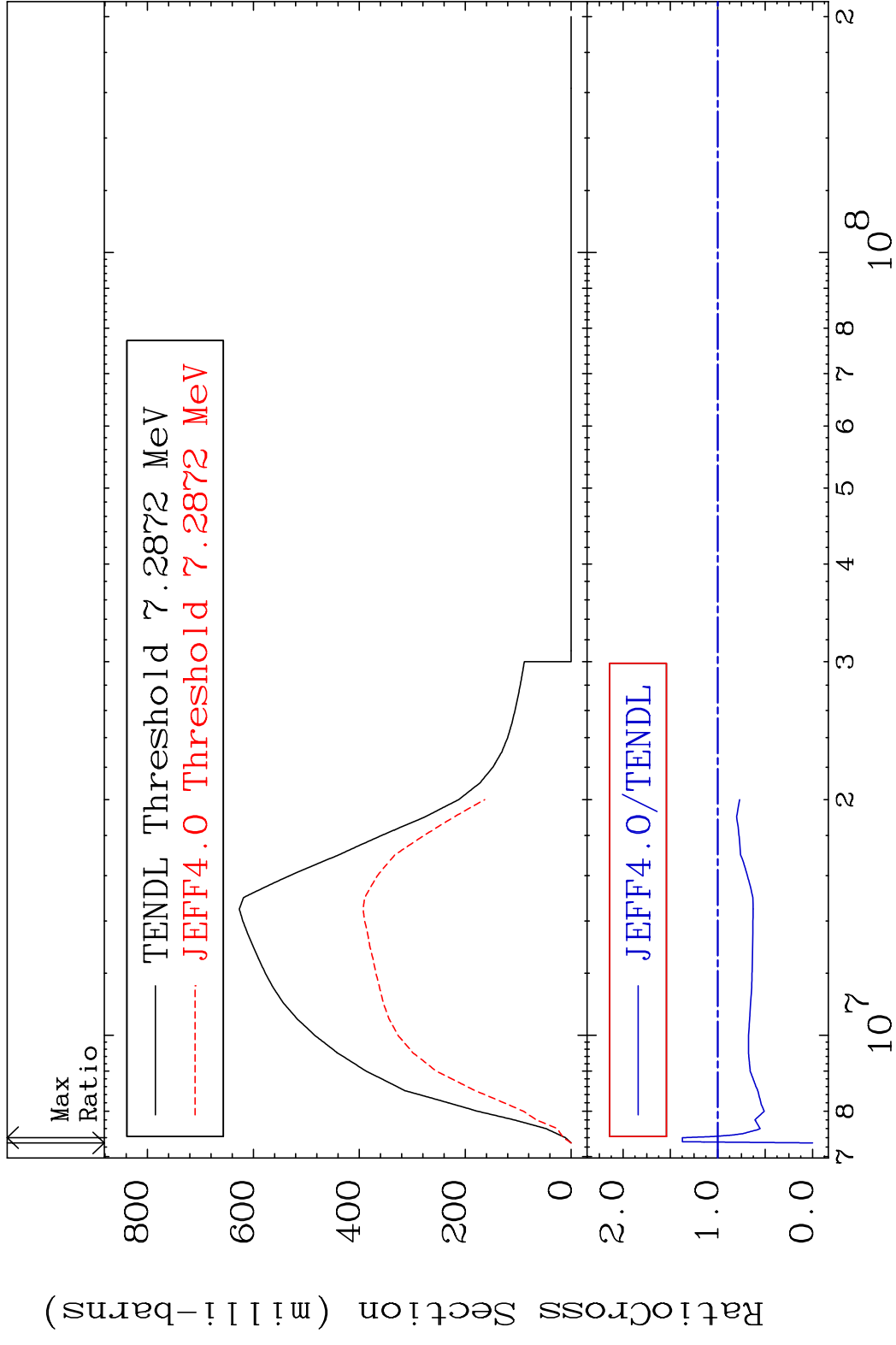




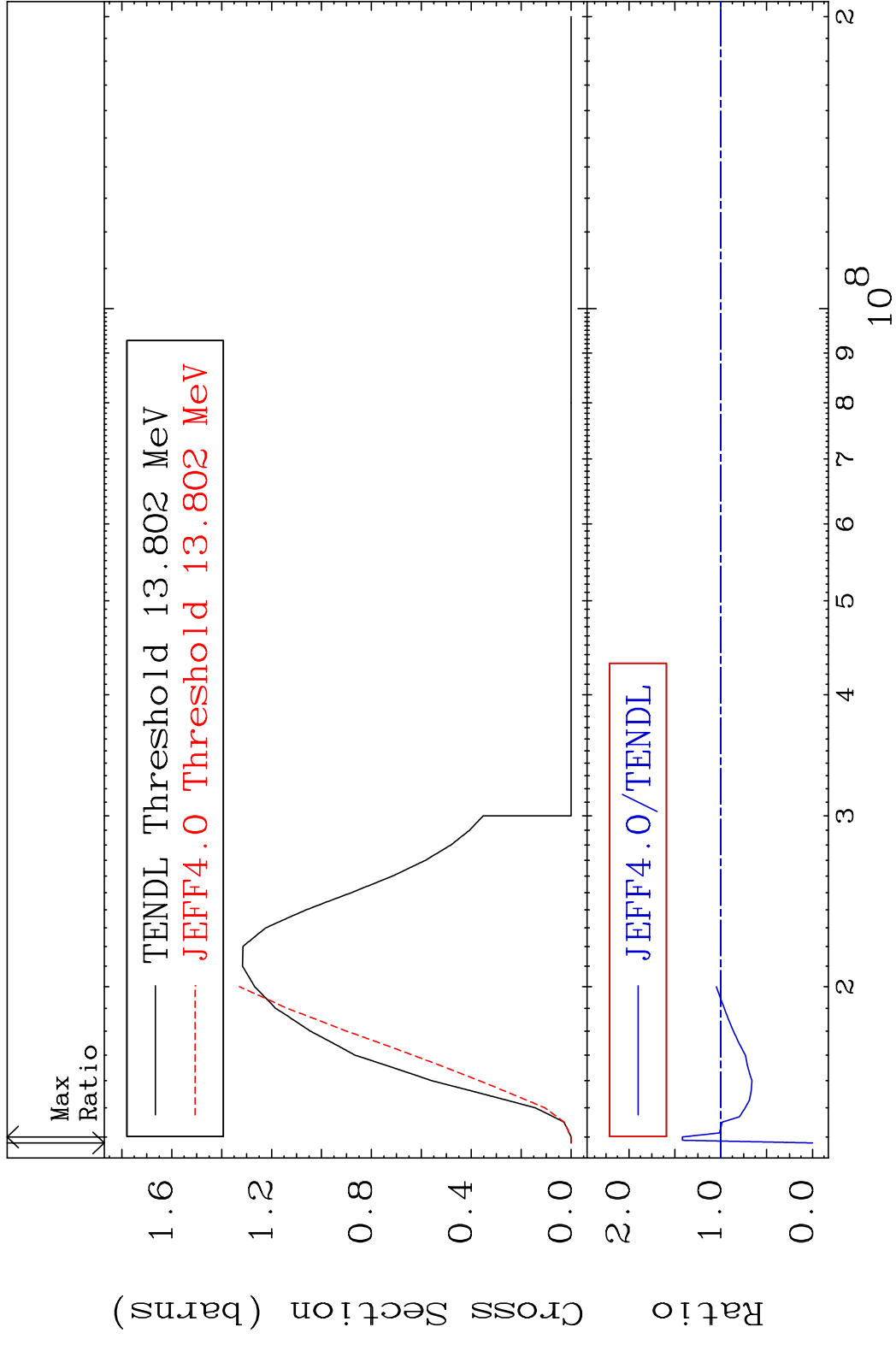
MAT 7240 (n,2n):72-Hf-178g 72-Hf-179  
 Radionuclide Production Cross Section Ratio 246.4 %

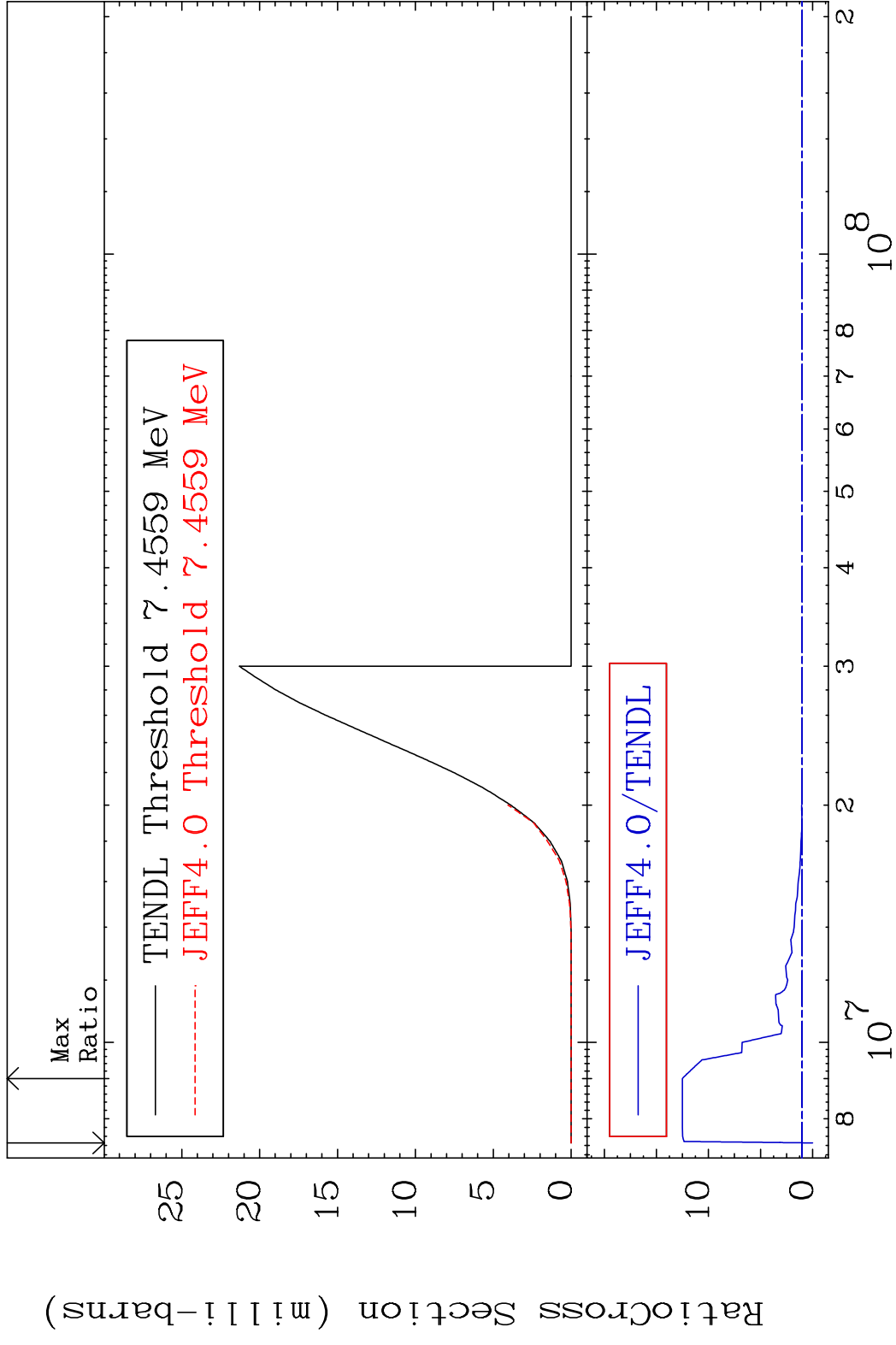


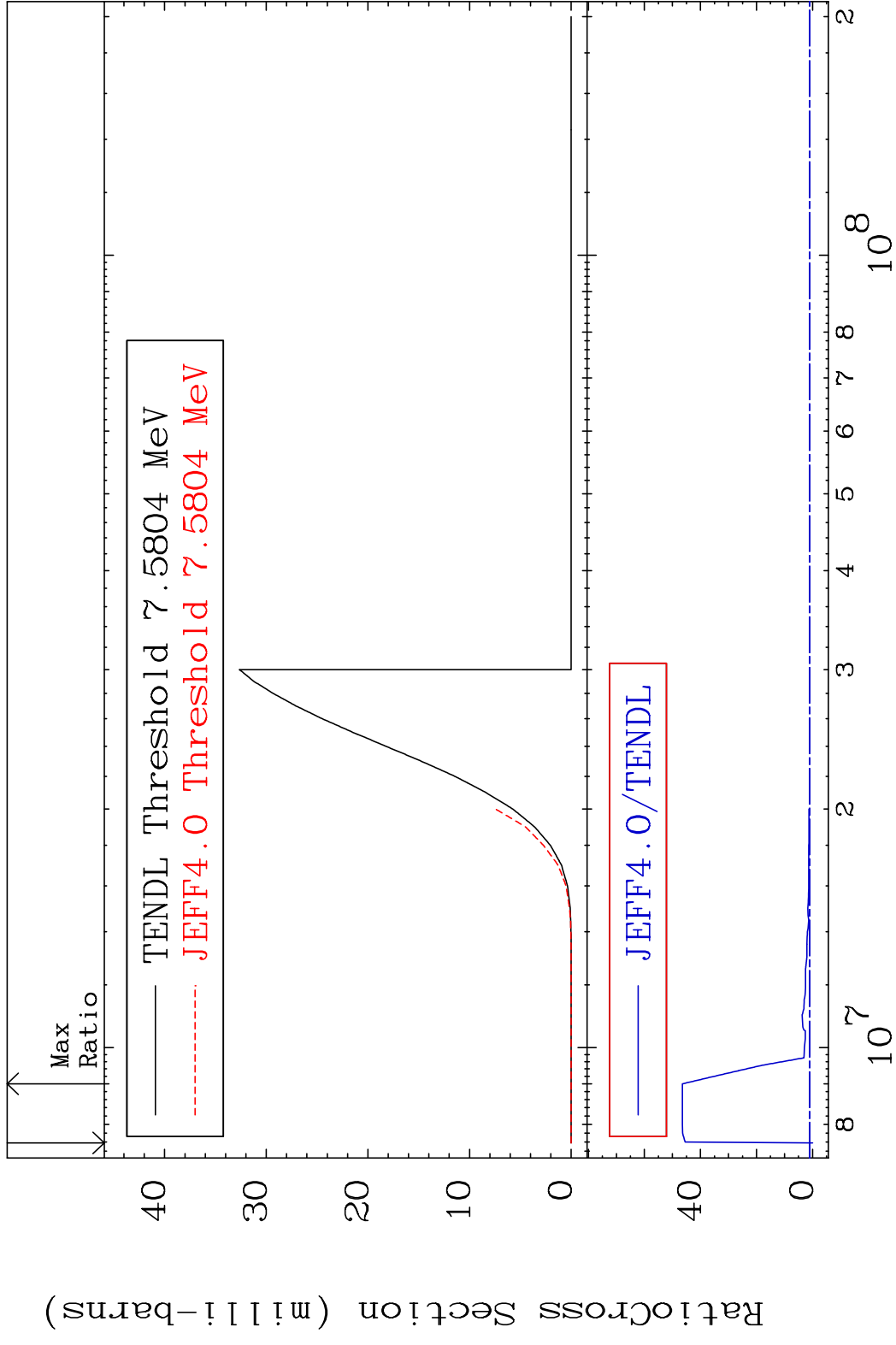
MAT 7240 (n,2n):72-Hf-178m5 72-Hf-179  
 Radionuclide Production Cross Section 180.01 dth 37.39 %

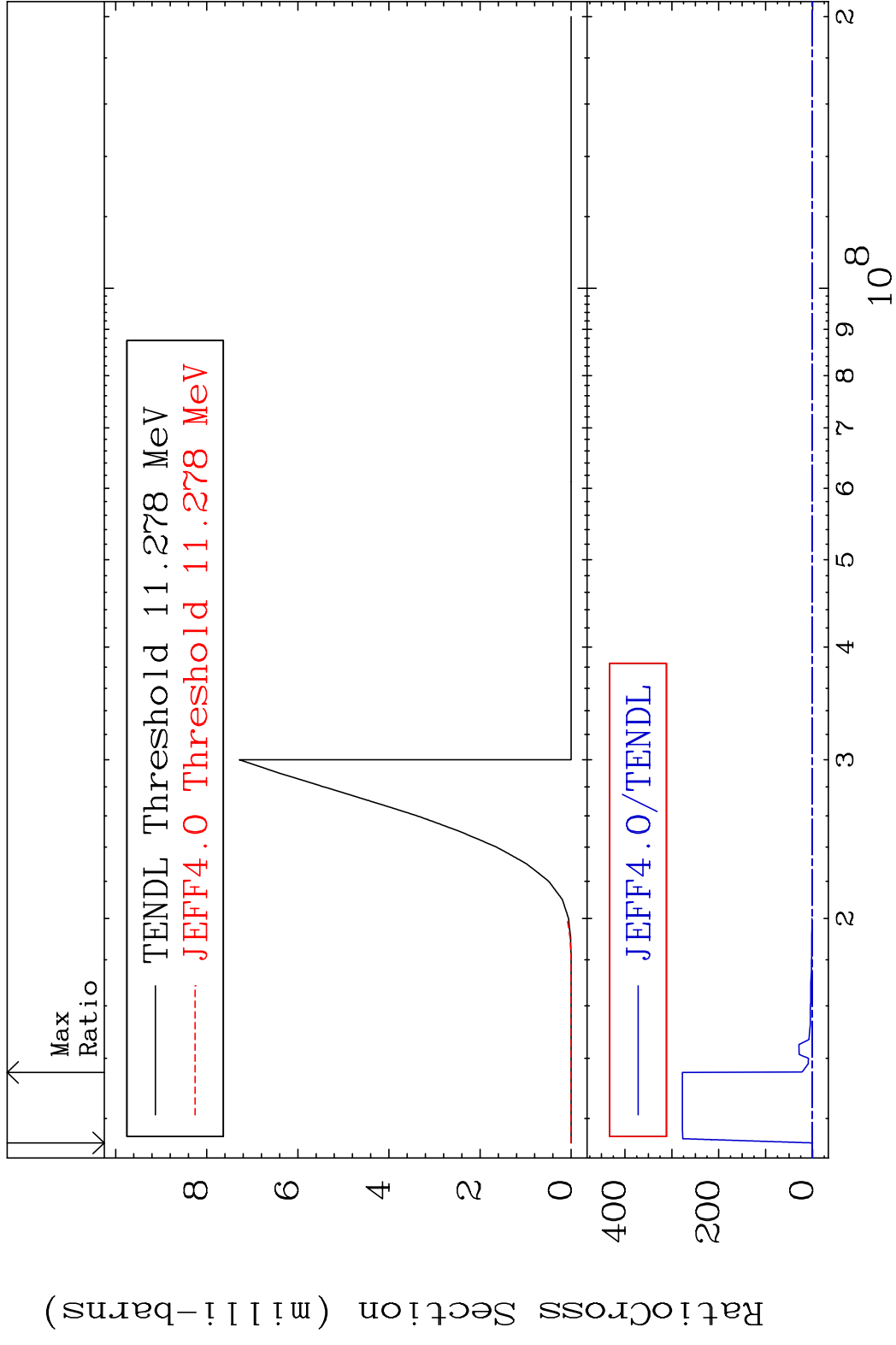


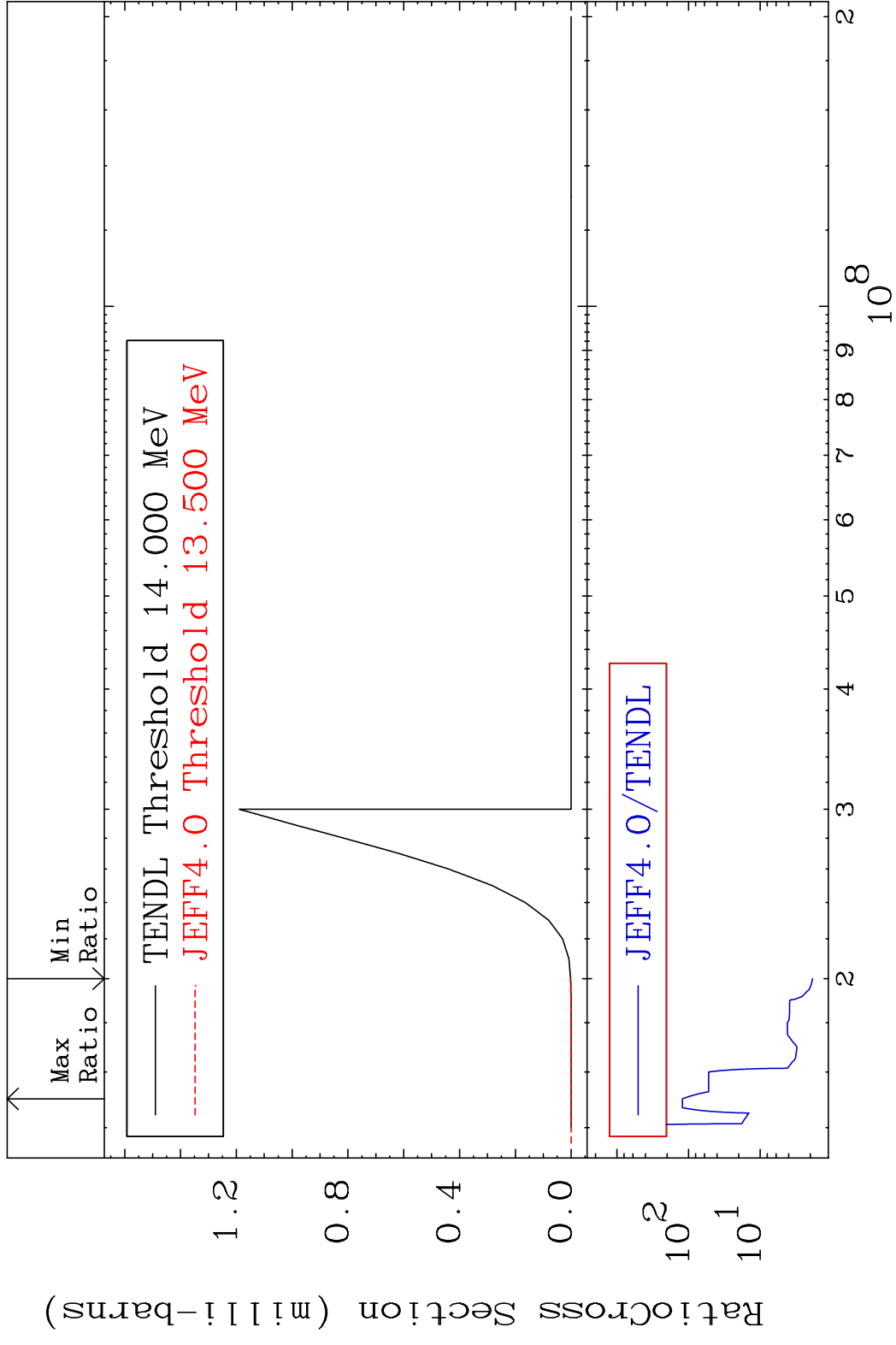
MAT 7240 (n,3n):72-Hf-177g 72-Hf-179  
 Radionuclide Production Cross Section 180.01 dno 41.81 %



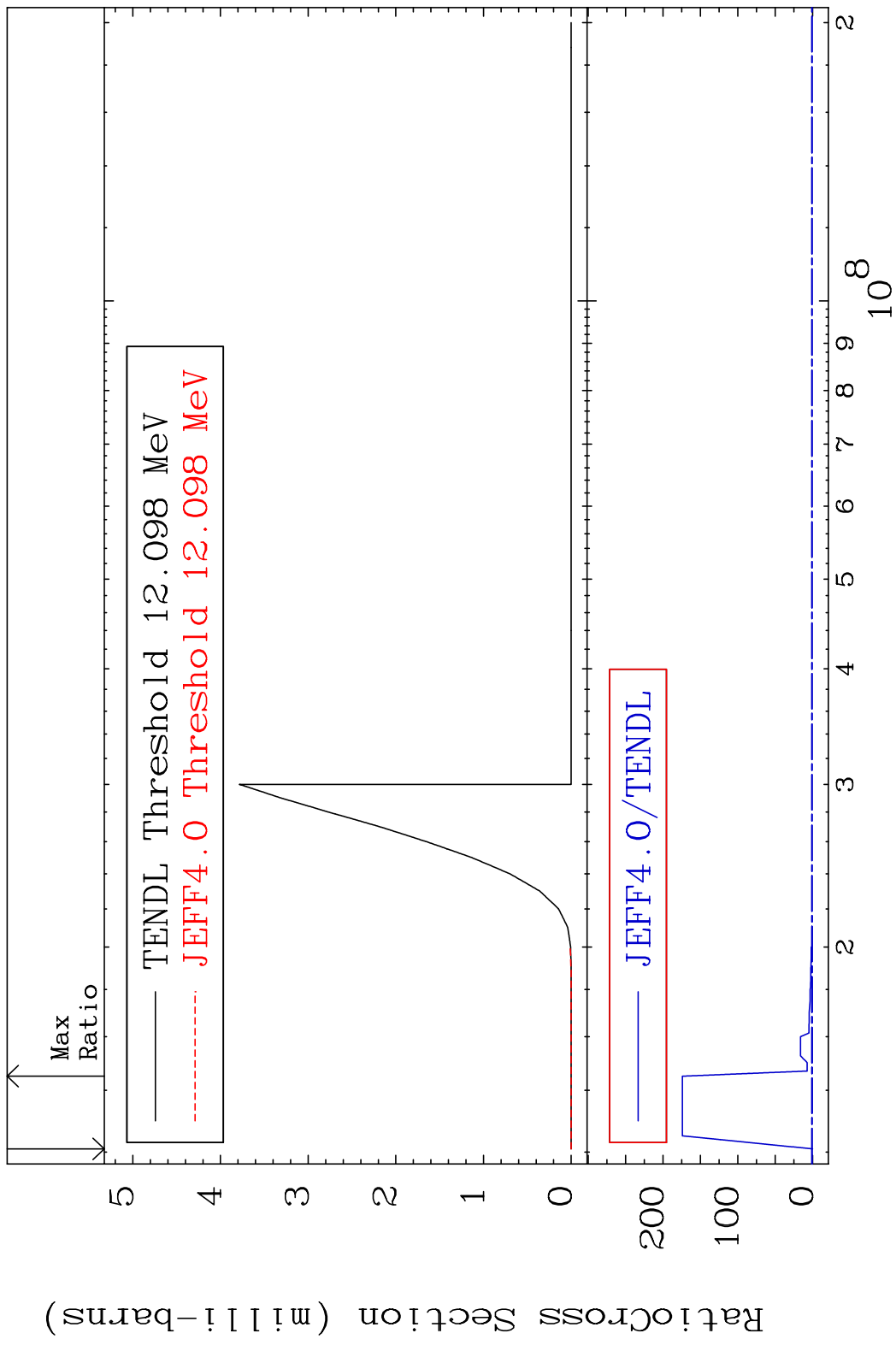




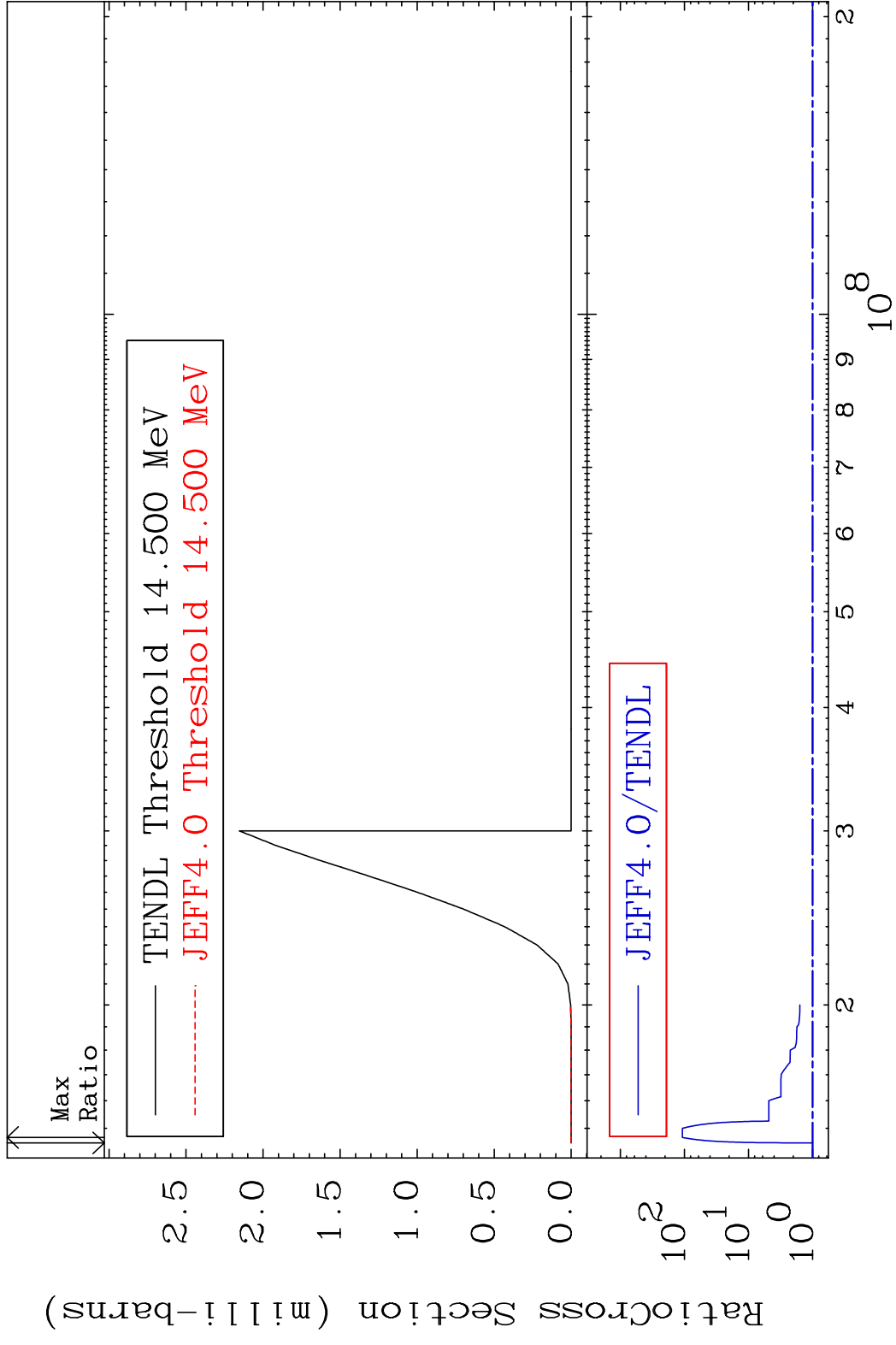


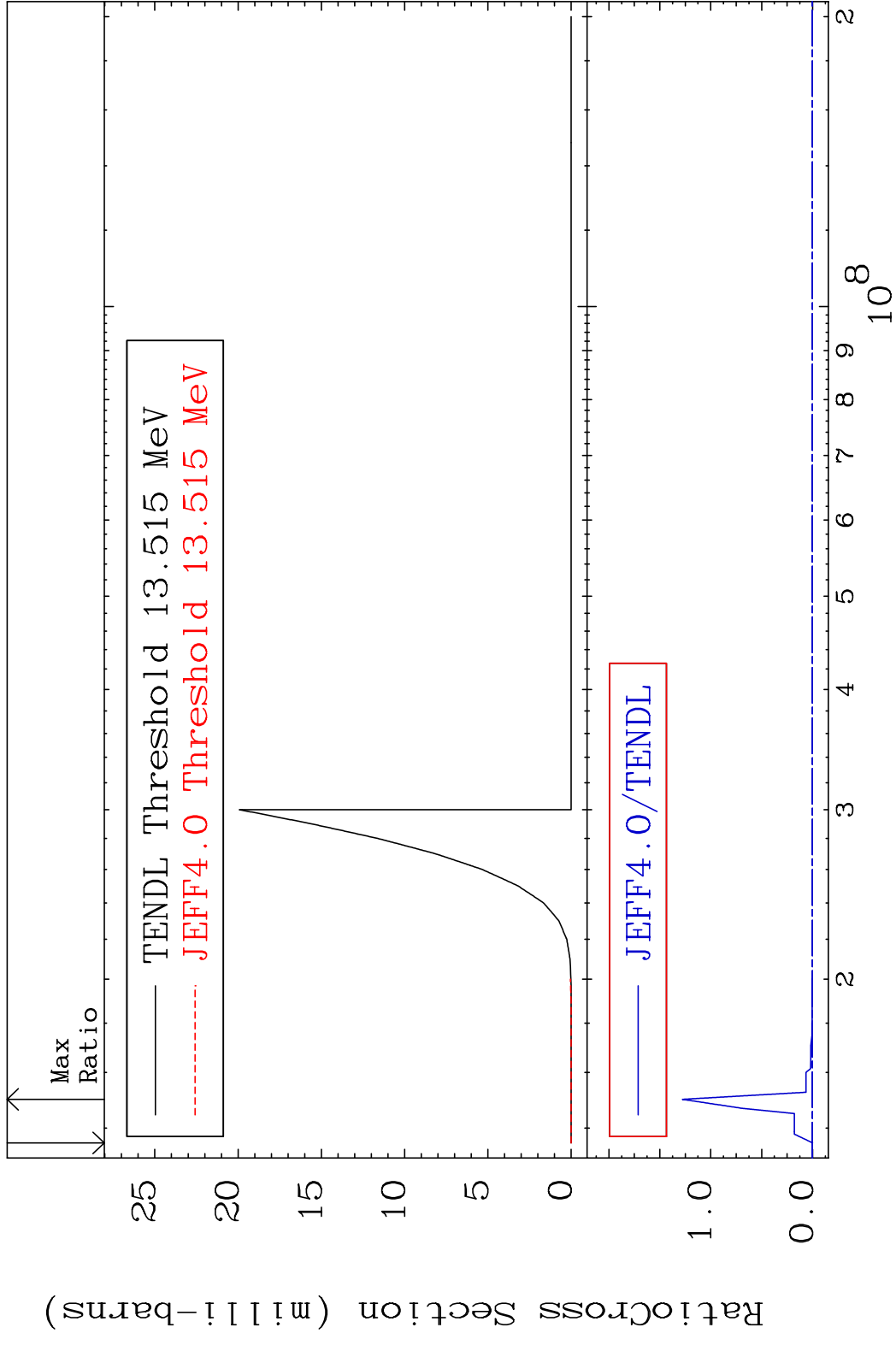


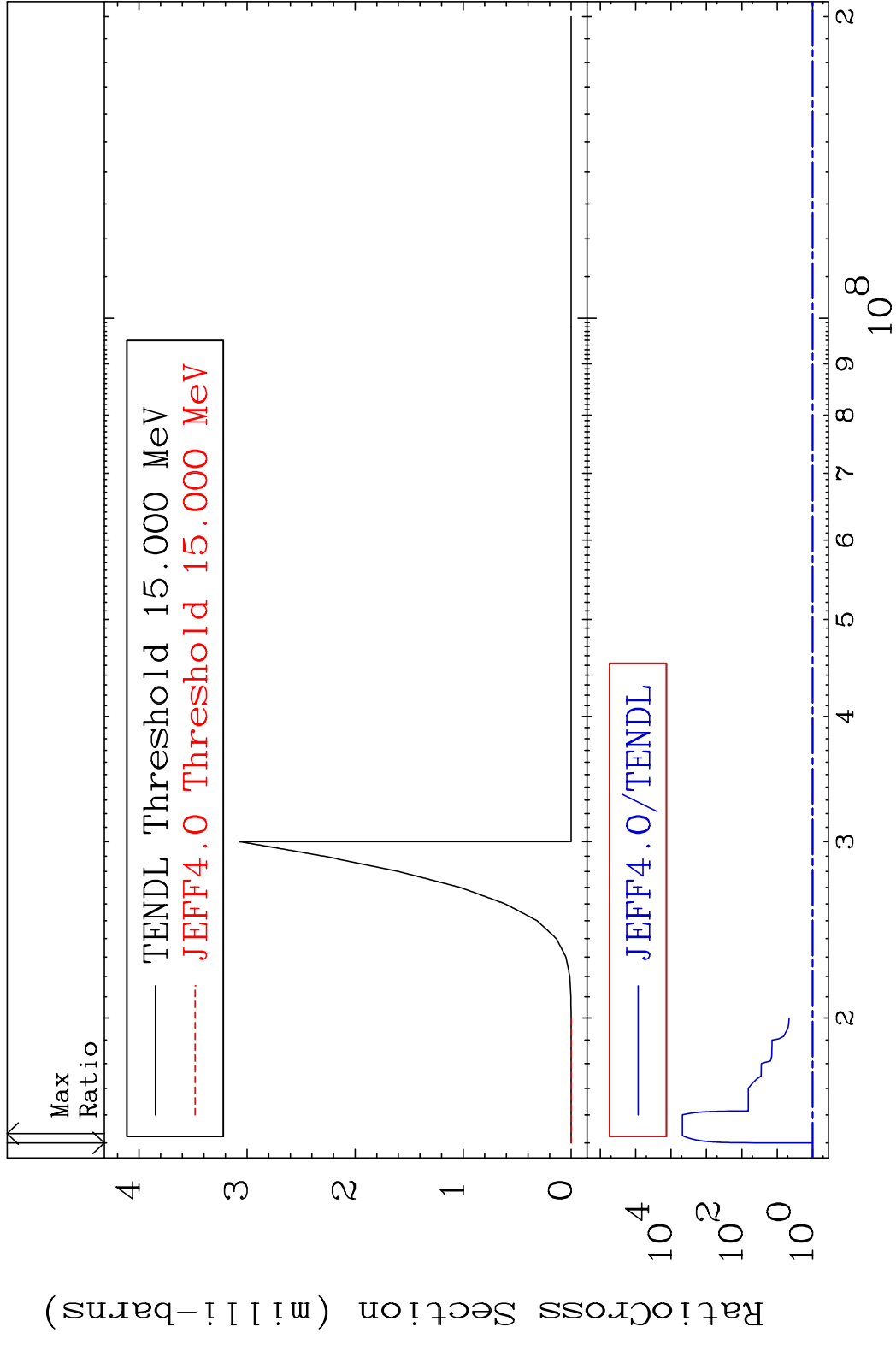
MAT 7240 (n, n') t:71-Lu-176g 72-Hf-179  
 Radionuclide Production Cross Section Ratio

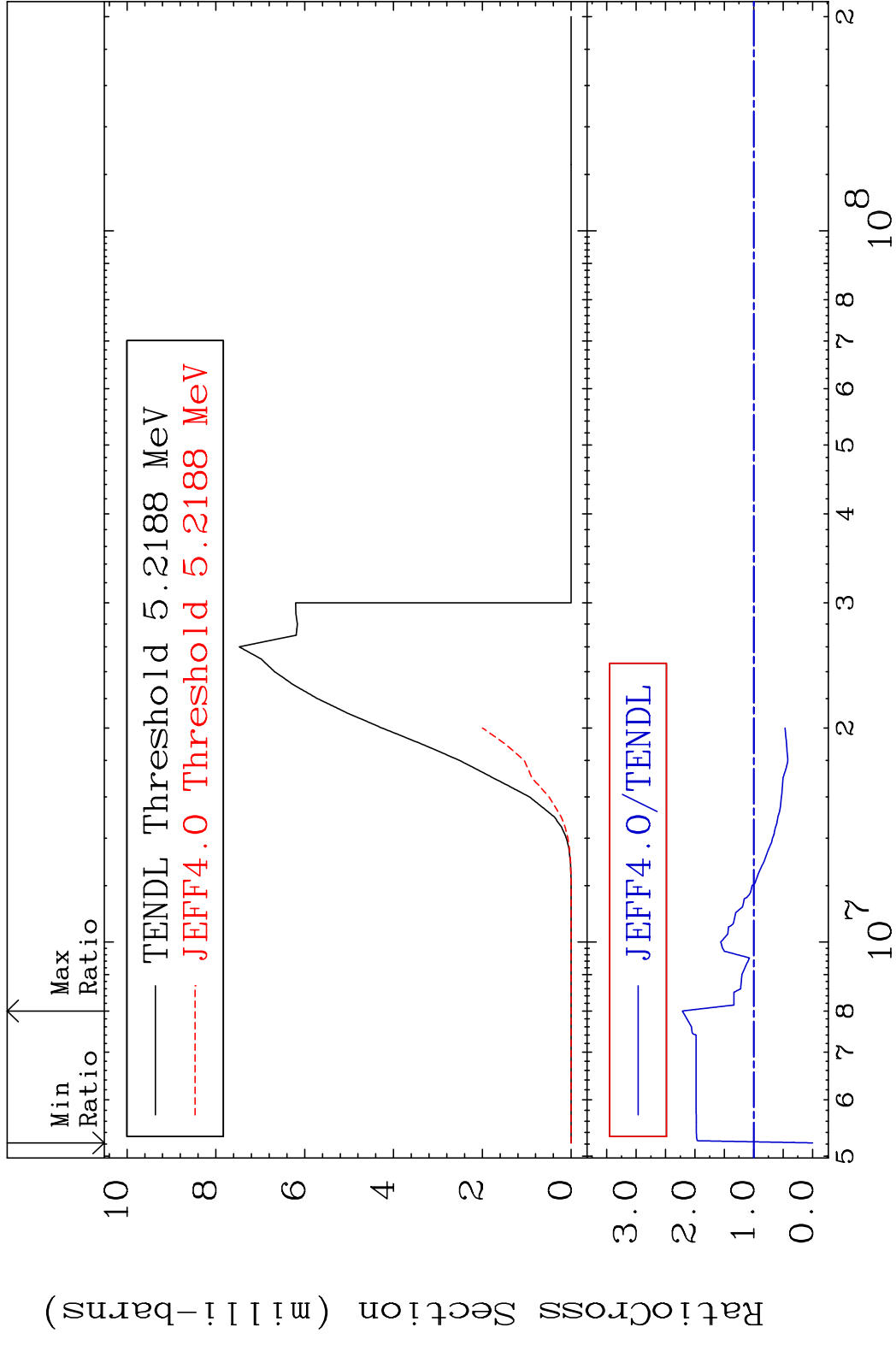


75 Incident Energy (eV) 72-Hf-179









MAT 7240 (n, d): 71-Lu-178m3 72-Hf-179  
 Radionuclide Production Cross Section 100.0 %  
 Ratio 106.0 %

