

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

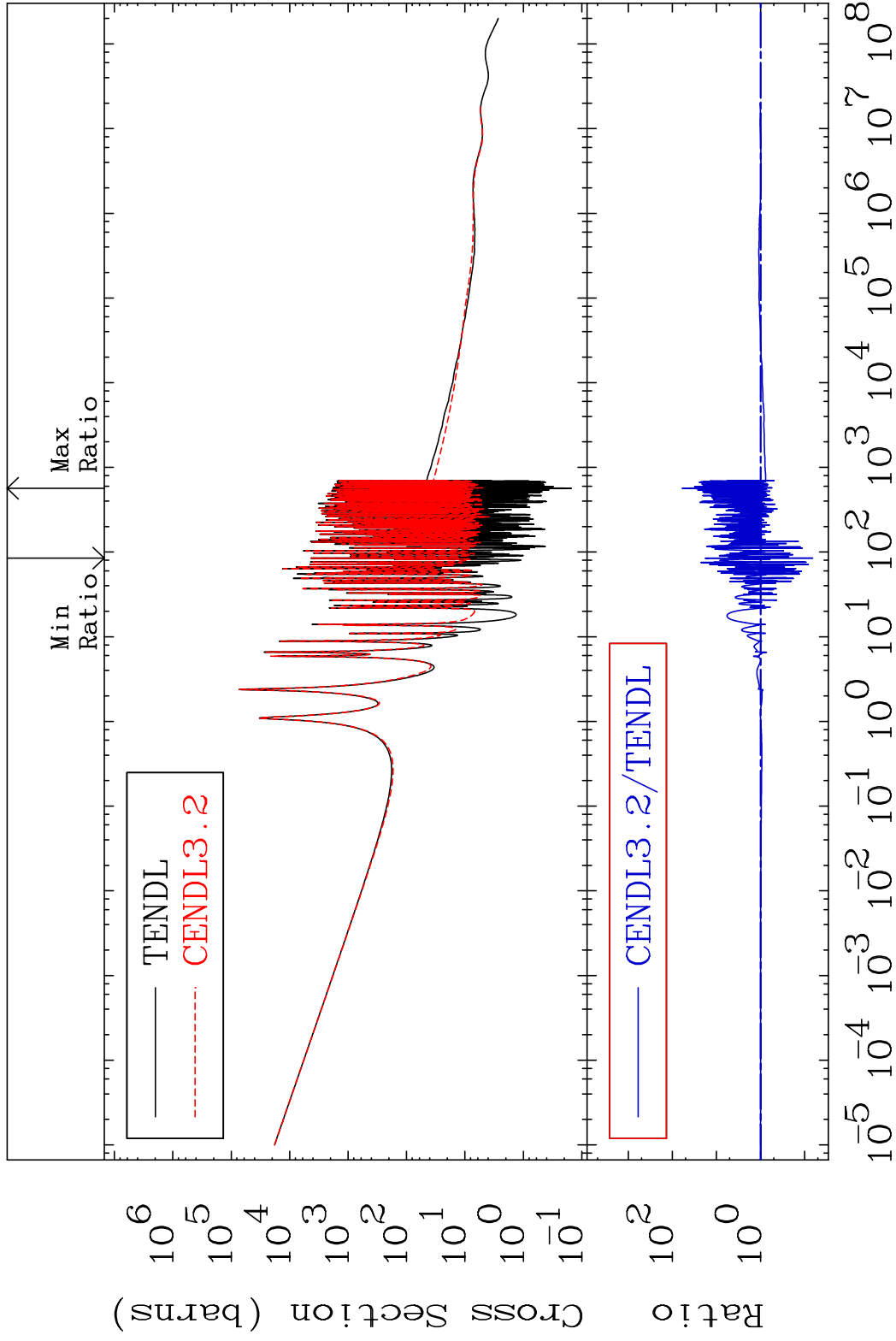
Press Mouse Button to Start

MAT 7234

Total

72-Hf-177

Cross Section -93.41 To 5837. %



1

Incident Energy (eV)

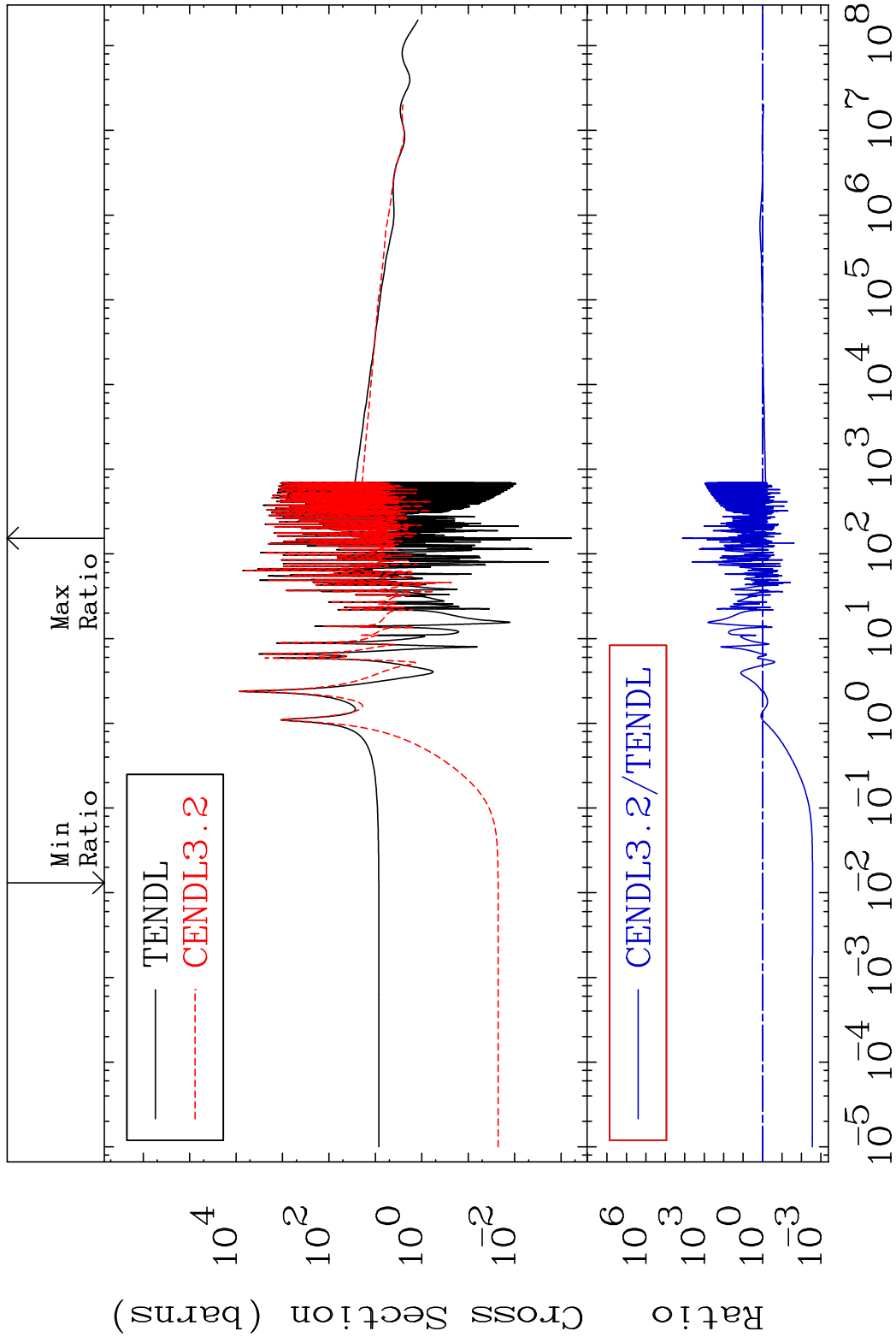
72-Hf-177

MAT 7234

Elastic

72-Hf-177

Cross Section -99.73 To 9999. %



2

Incident Energy (eV)

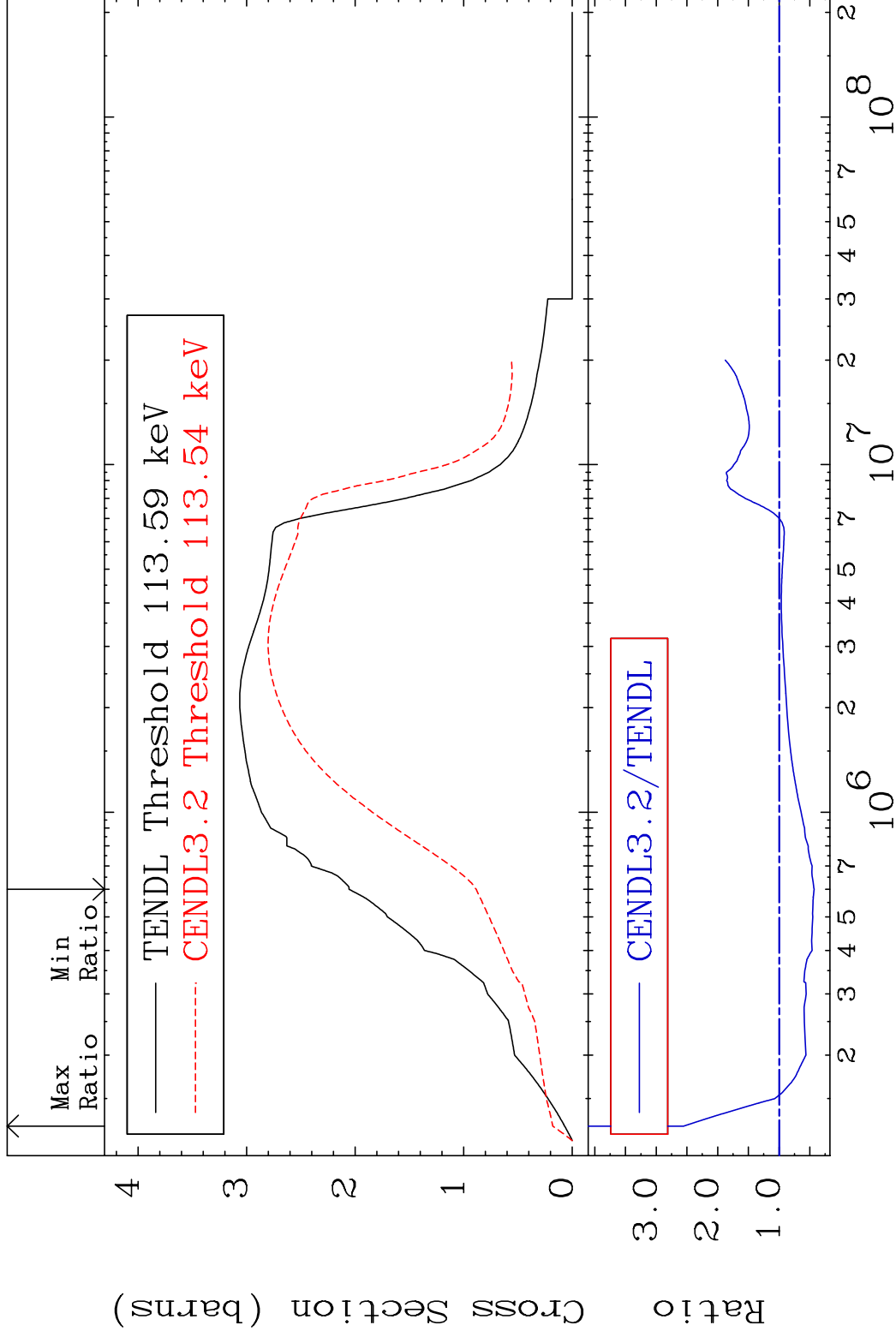
72-Hf-177

MAT 7234

Inelastic

72-Hf-177

Cross Section -56.95 To 155.4 %



3

Incident Energy (eV)

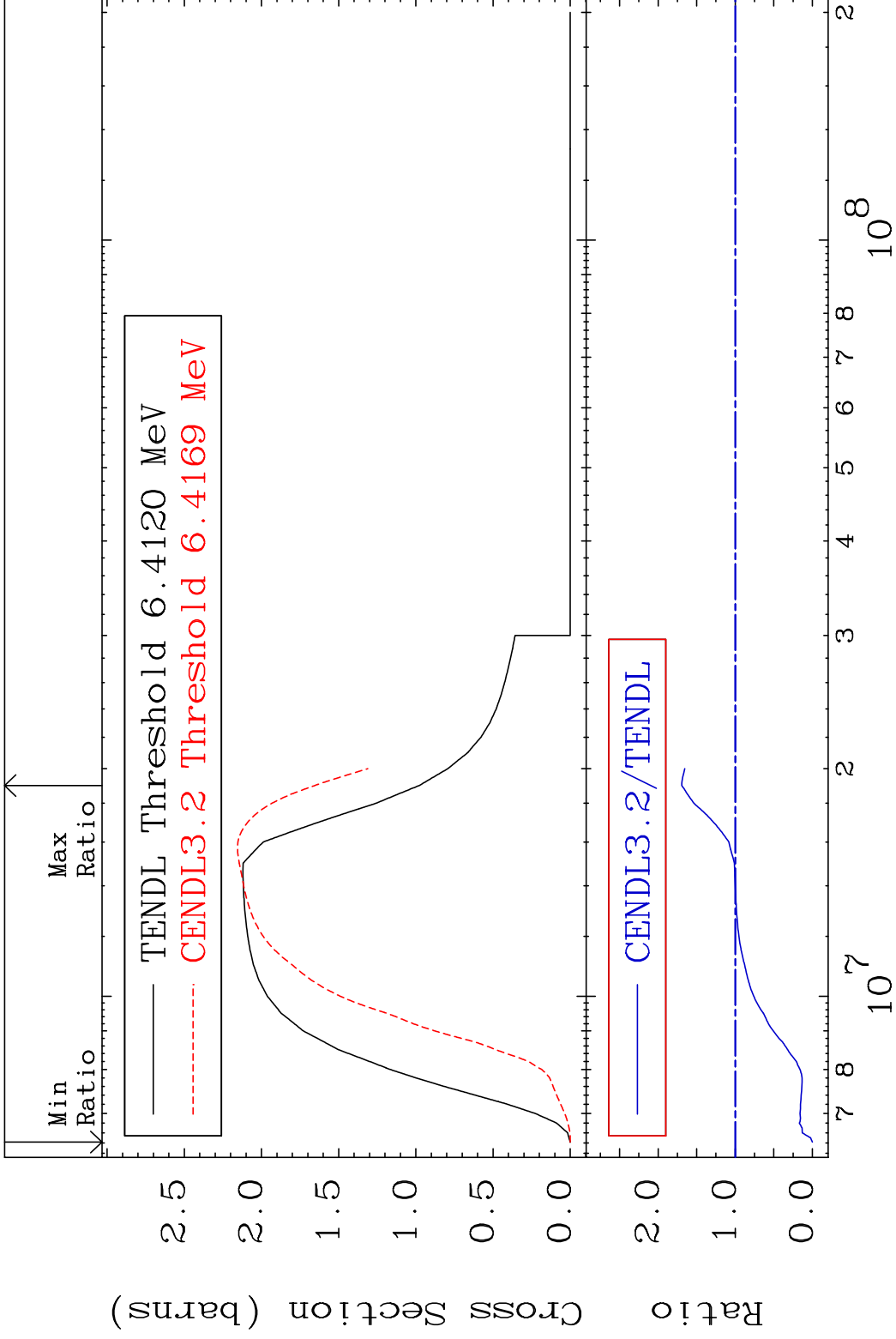
72-Hf-177

MAT 7234

(n,2n)

72-Hf-177

Cross Section -100.0 To 69.36 %



4

Incident Energy (eV)

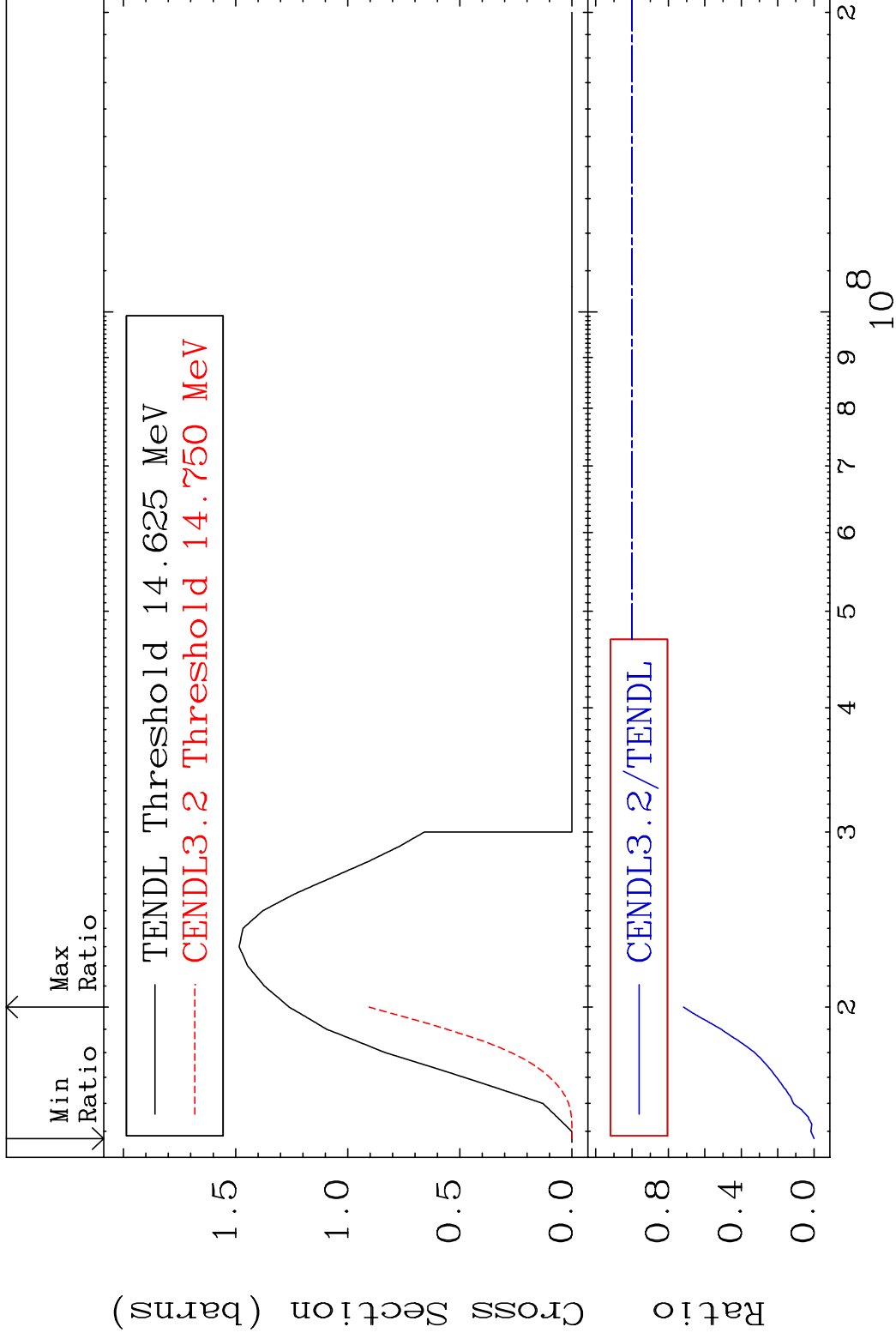
72-Hf-177

MAT 7234

(n,3n)

72-Hf-177

Cross Section -100.0 To -28.24%



5

Incident Energy (eV)

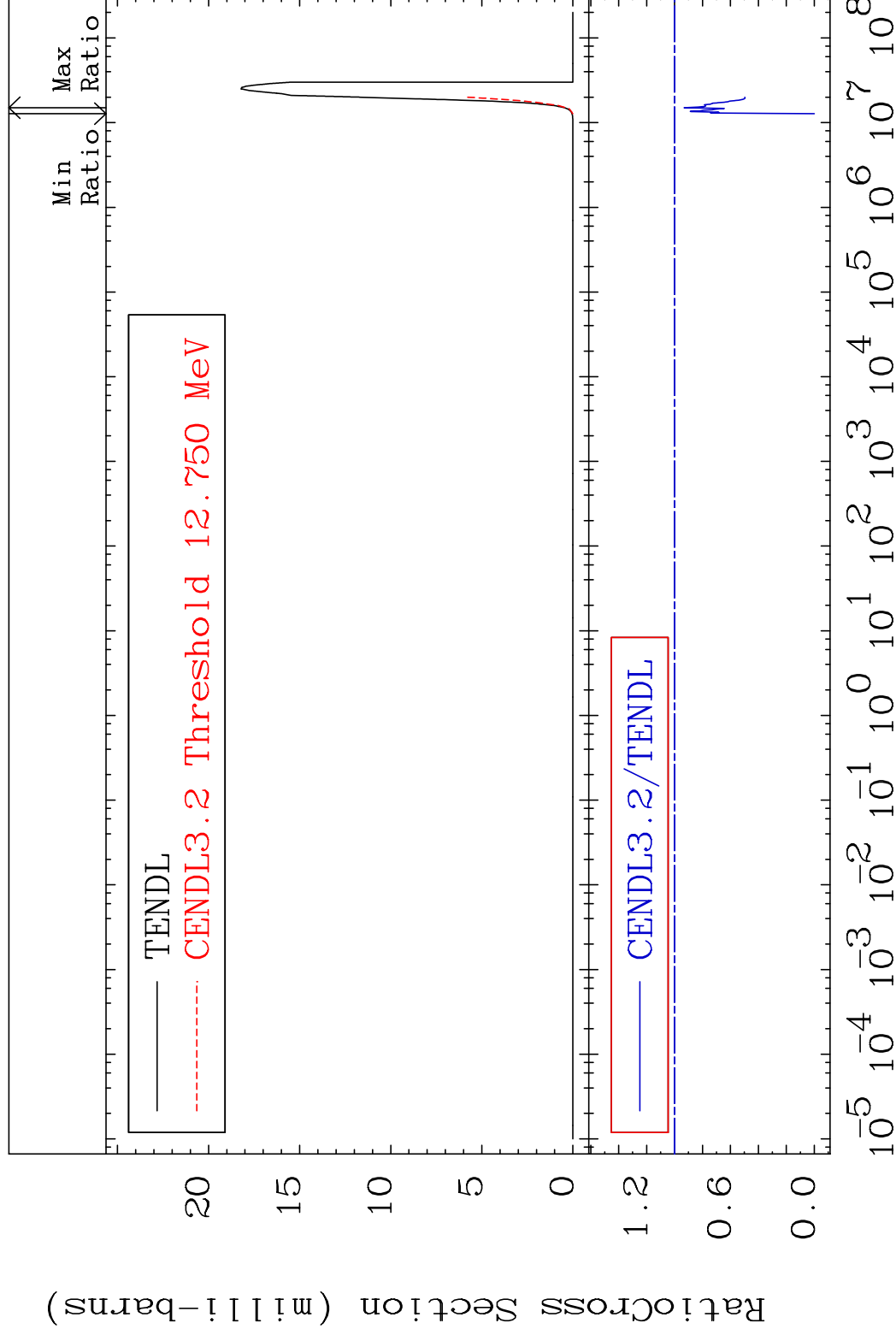
72-Hf-177

MAT 7234

(n, n') α

72-Hf-177

Cross Section -100.0 To -6.804%



6

Incident Energy (eV)

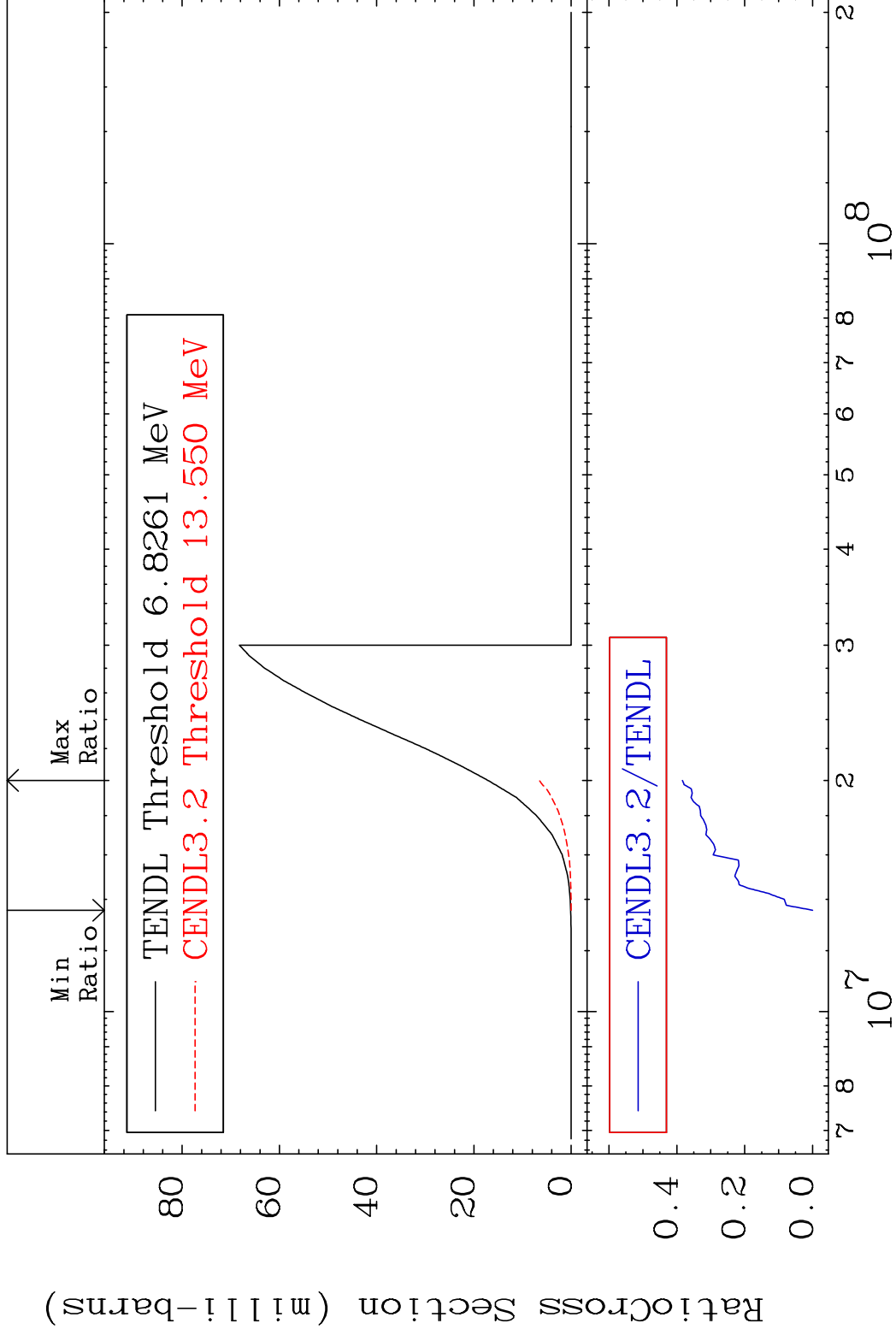
72-Hf-177

MAT 7234

(n, n') p

72-Hf-177

Cross Section -100.0 To -61.63%

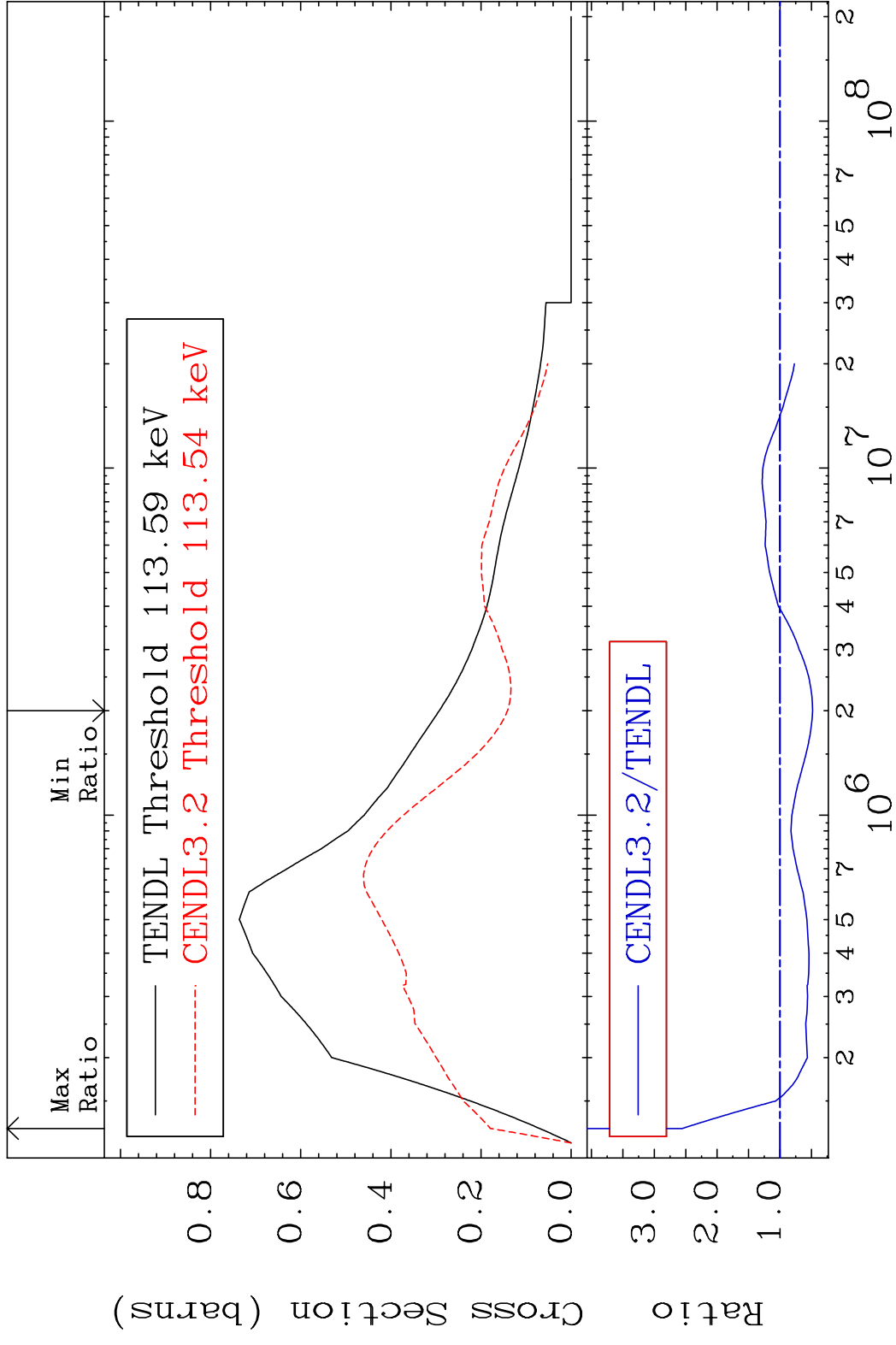


7

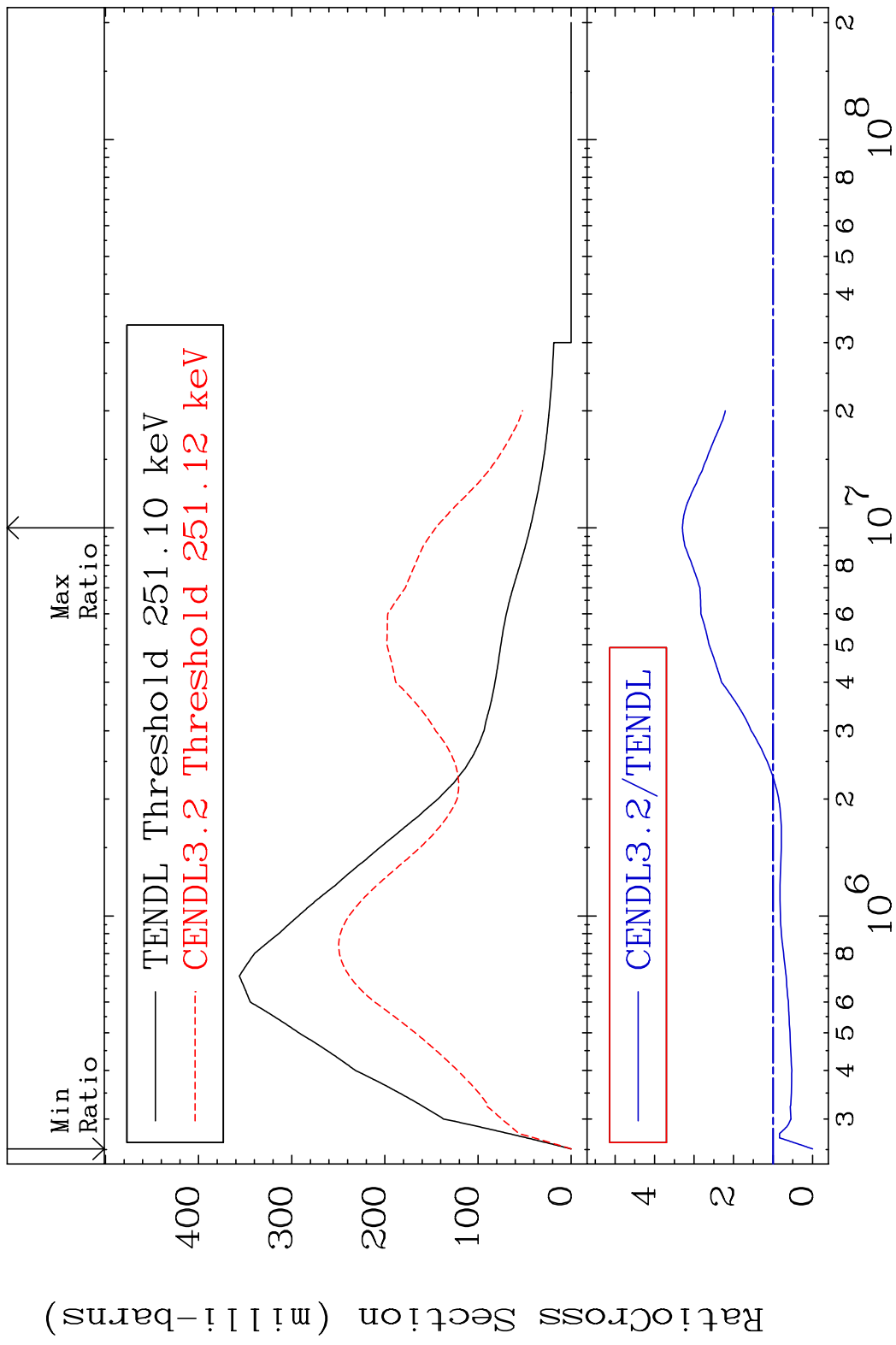
Incident Energy (eV)

72-Hf-177

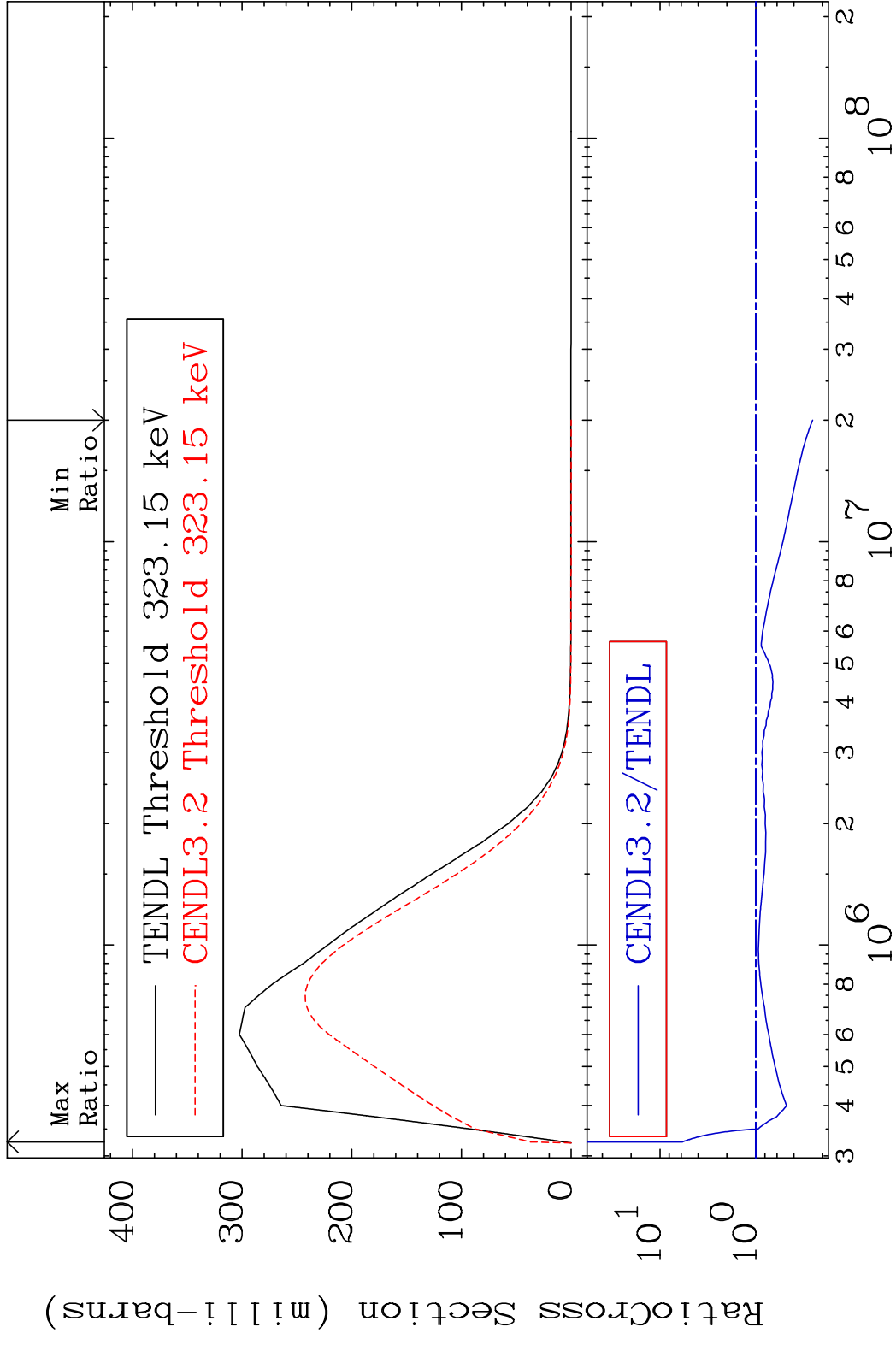
MAT 7234 MT= 51 (n,n') Level 72-Hf-177
 Cross Section -51.73 To 155.4 %



MAT 7234 MT= 52 (n, n') Level 72-Hf-177
 Cross Section -100.0 To 229.7 %



MAT 7234 MT= 53 (n,n') Level 72-Hf-177
 Cross Section -74.52 To 483.8 %



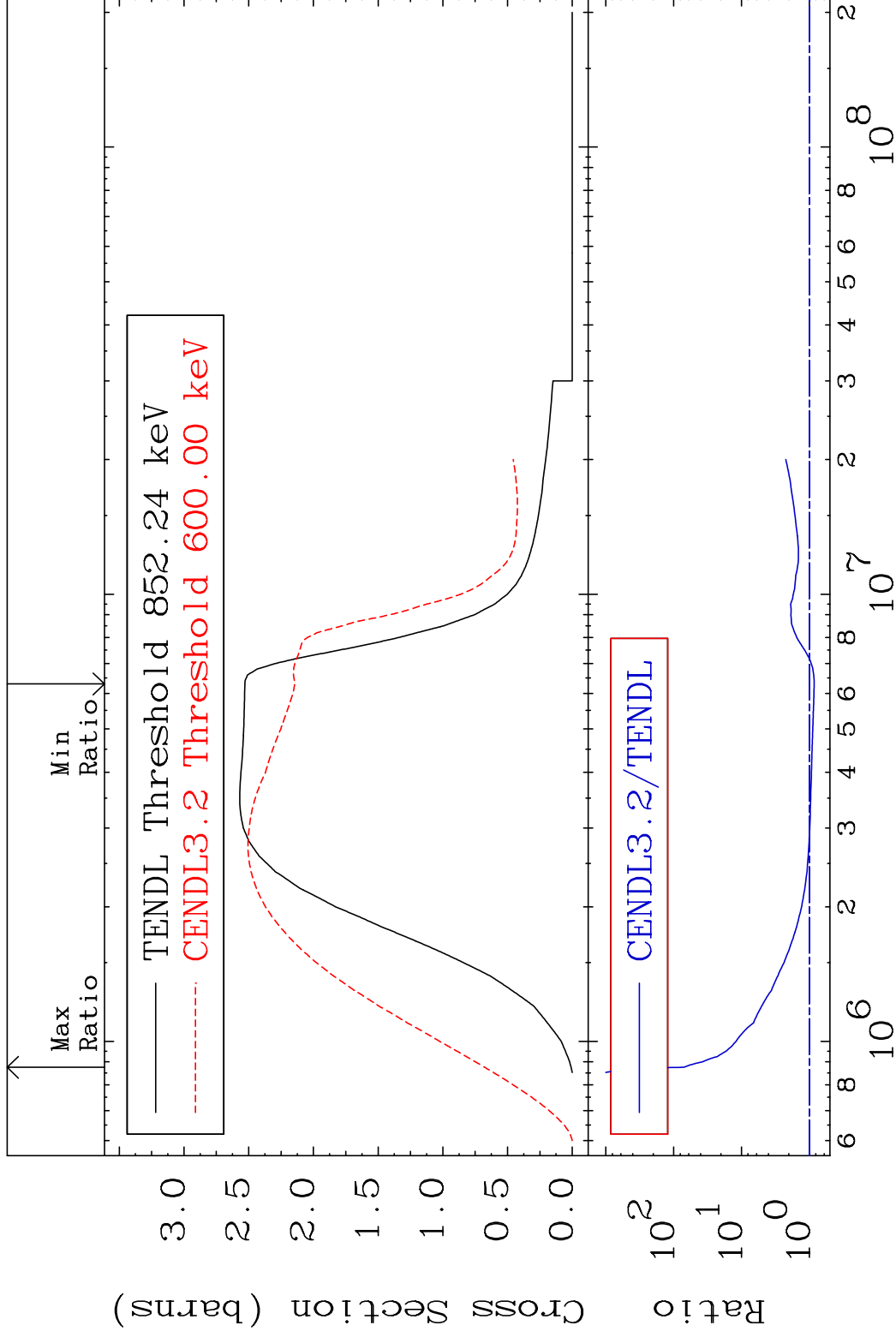
10 Incident Energy (eV) 72-Hf-177

MAT 7234

(n, n') Continuum

72-Hf-177

Cross Section -15.20 To 7011. %

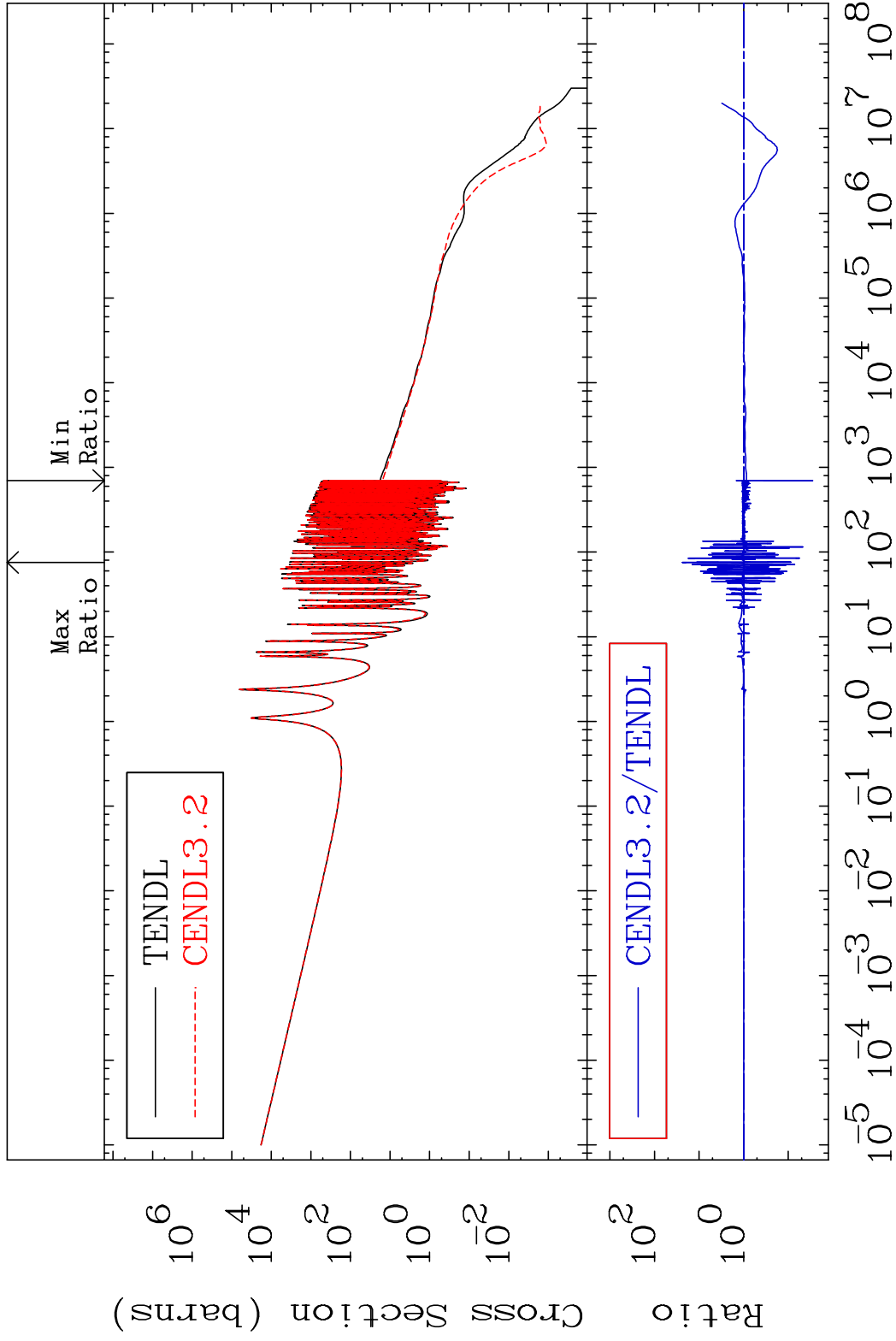


MAT 7234

(n, γ)

72-Hf-177

Cross Section -97.16 To 2274. %

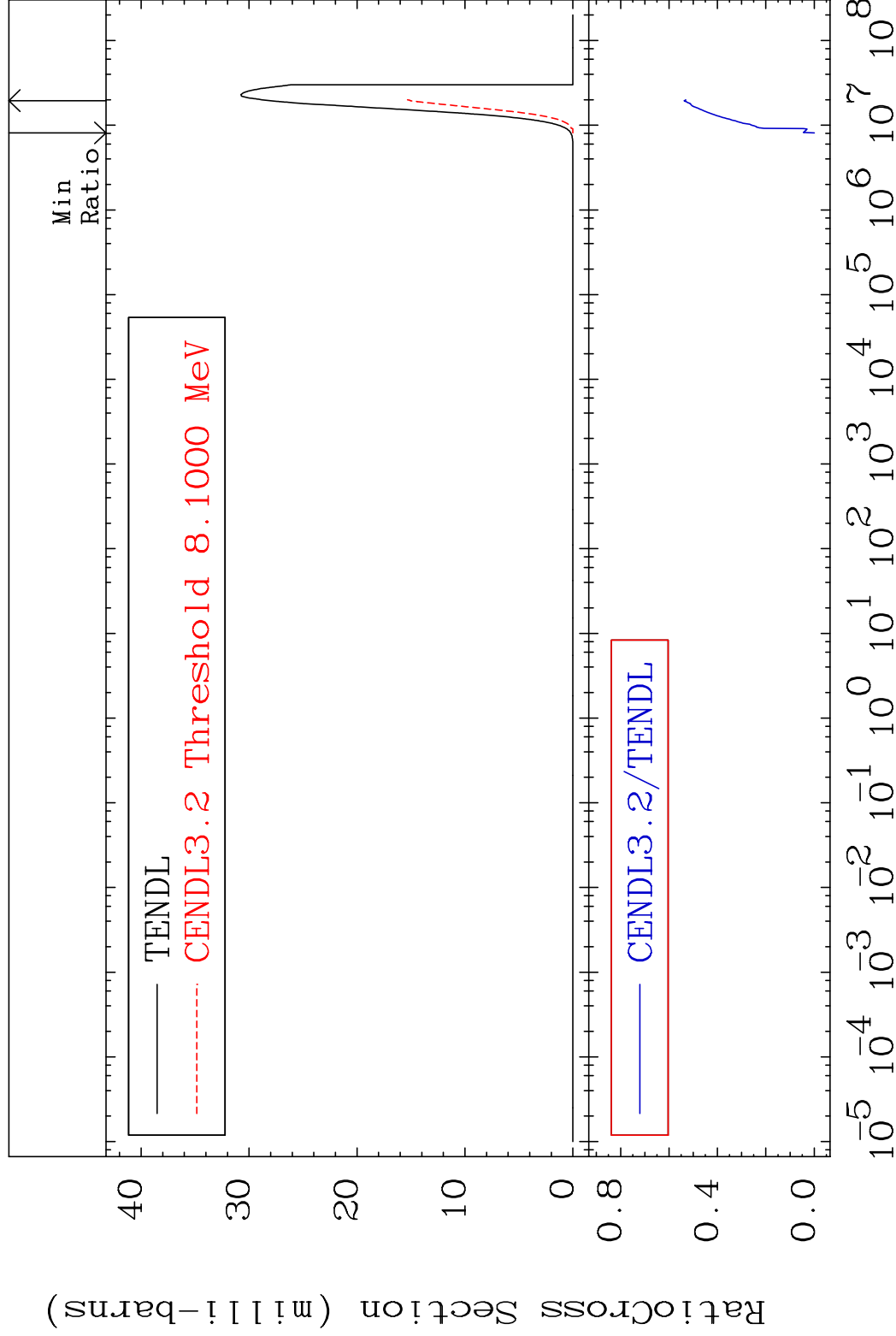


MAT 7234

(n, p)

72-Hf-177

Cross Section -100.0 To -46.22%



13

Incident Energy (eV)

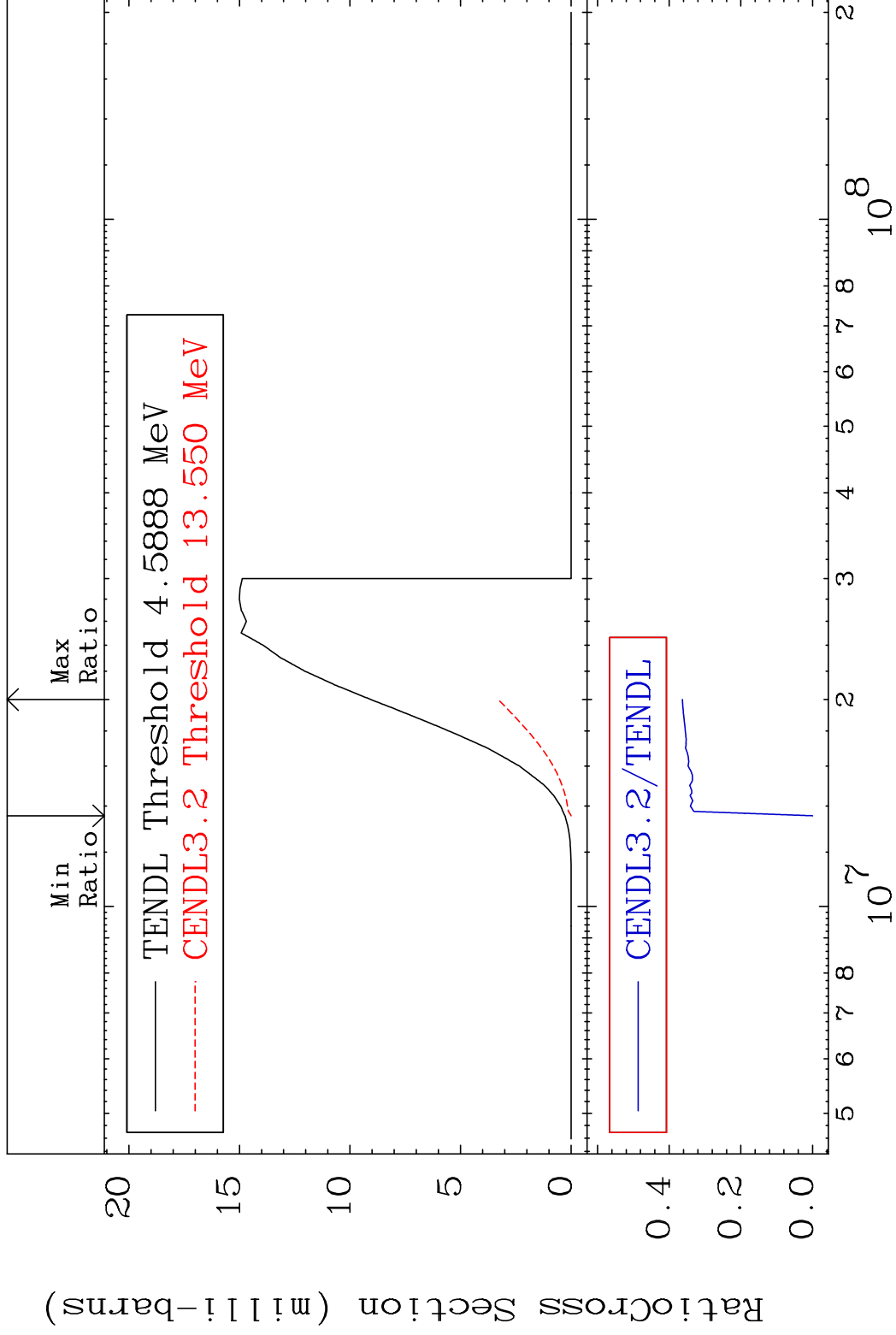
72-Hf-177

MAT 7234

(n, d)

72-Hf-177

Cross Section -100.0 To -63.67%

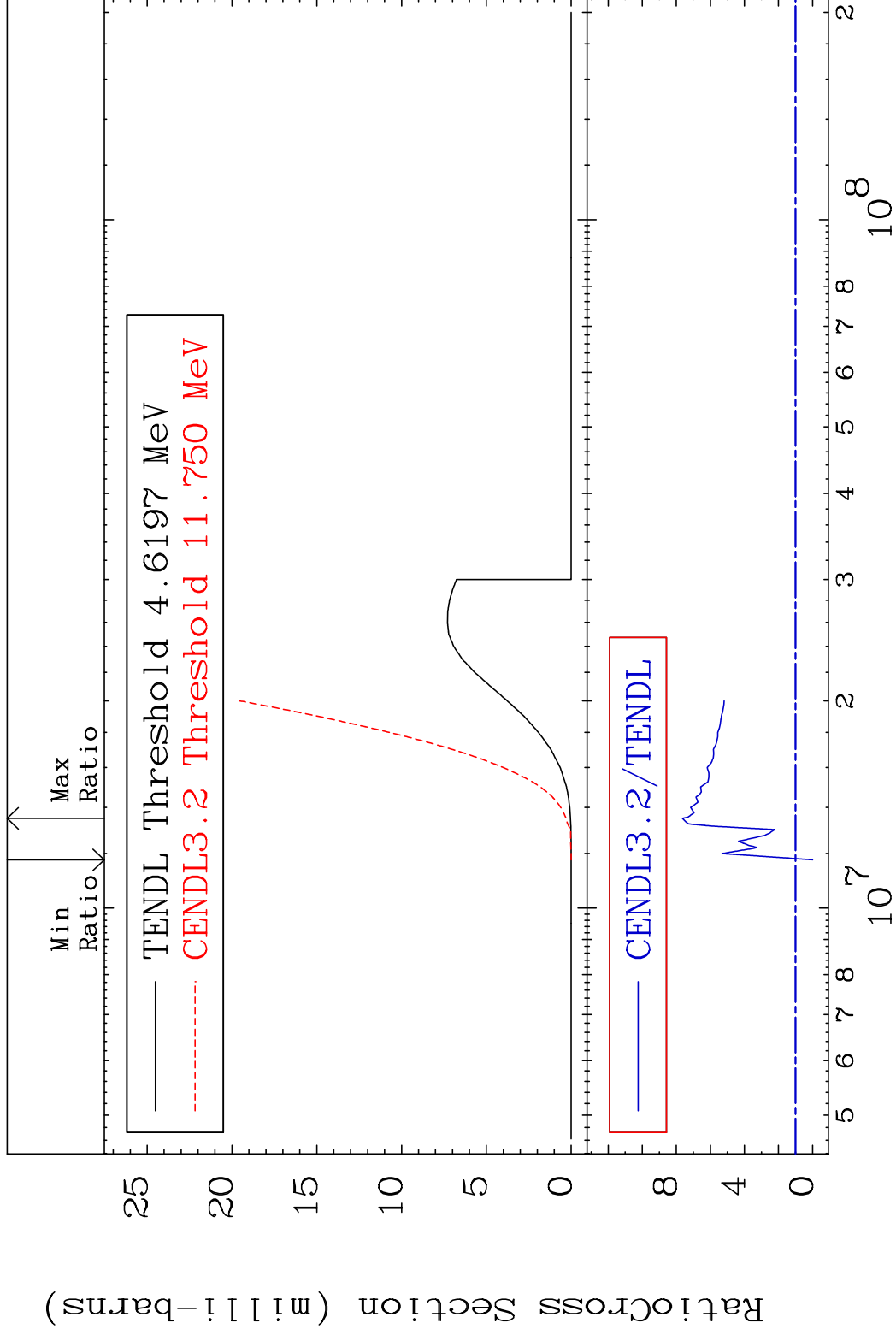


MAT 7234

(n, t)

72-Hf-177

Cross Section -100.0 To 664.5 %



15

Incident Energy (eV)

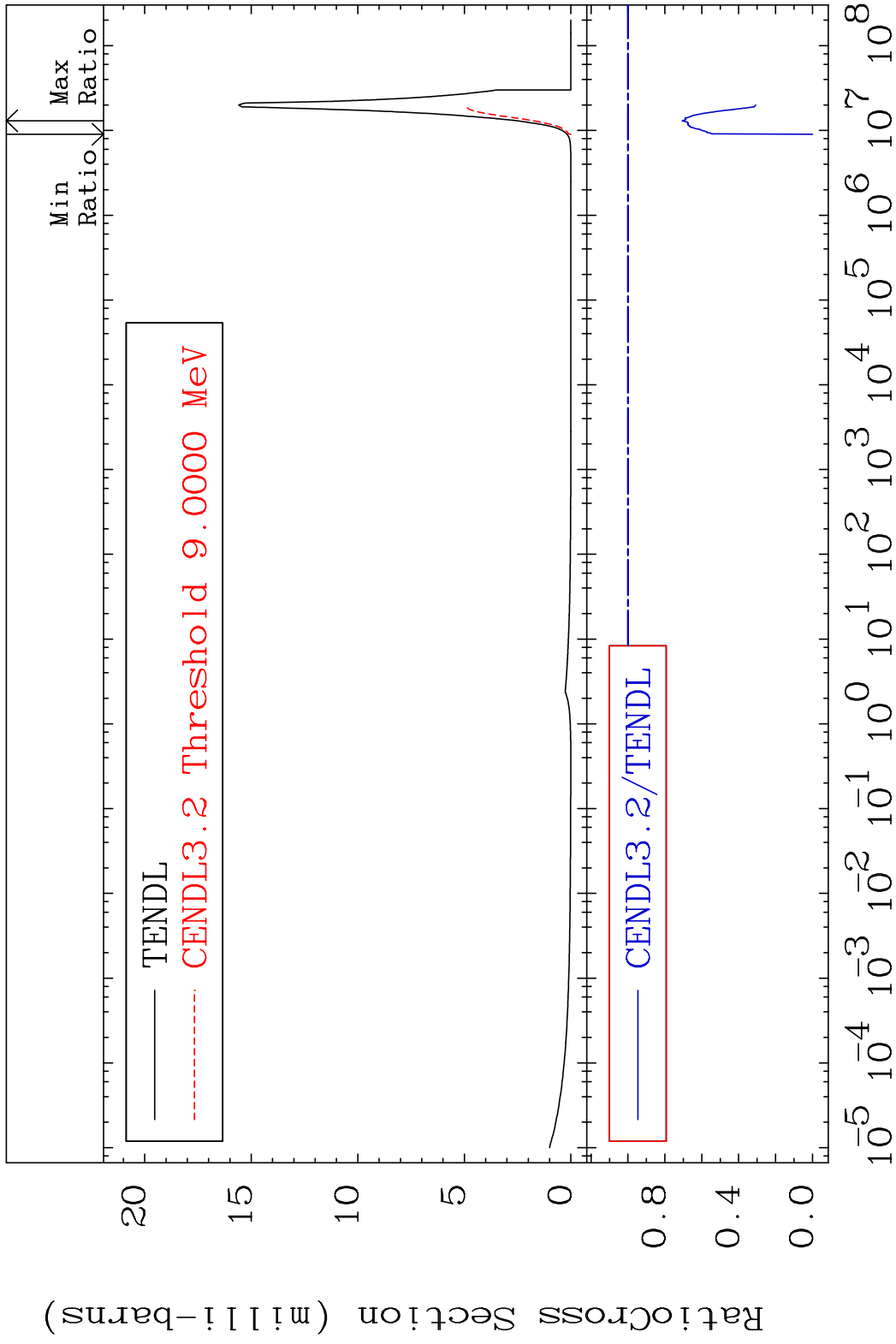
72-Hf-177

MAT 7234

(n, α)

72-Hf-177

Cross Section -100.0 To -29.37%



16

Incident Energy (eV)

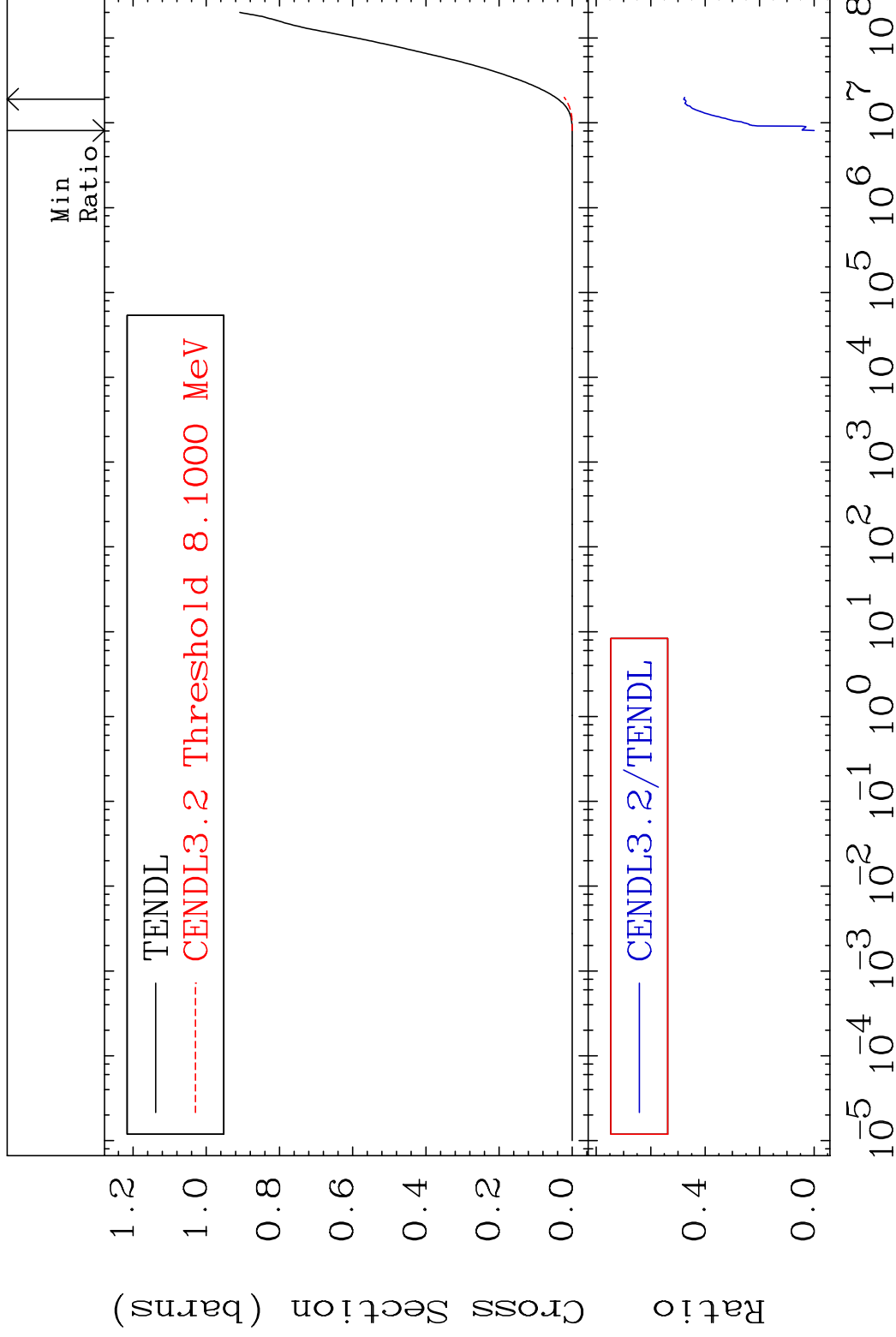
72-Hf-177

MAT 7234

Hydrogen Production

72-Hf-177

Cross Section -100.0 To -52.09%

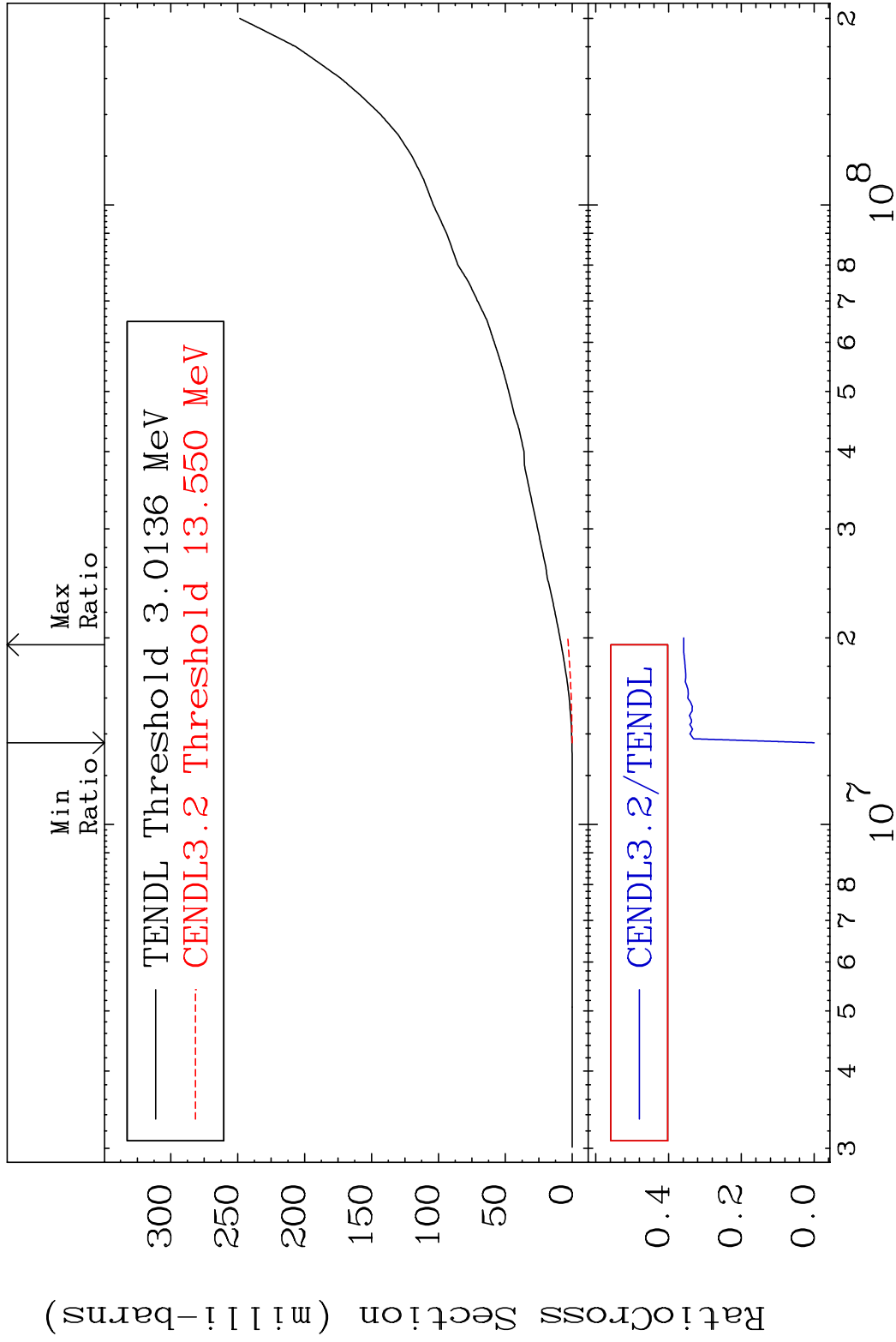


17

Incident Energy (eV)

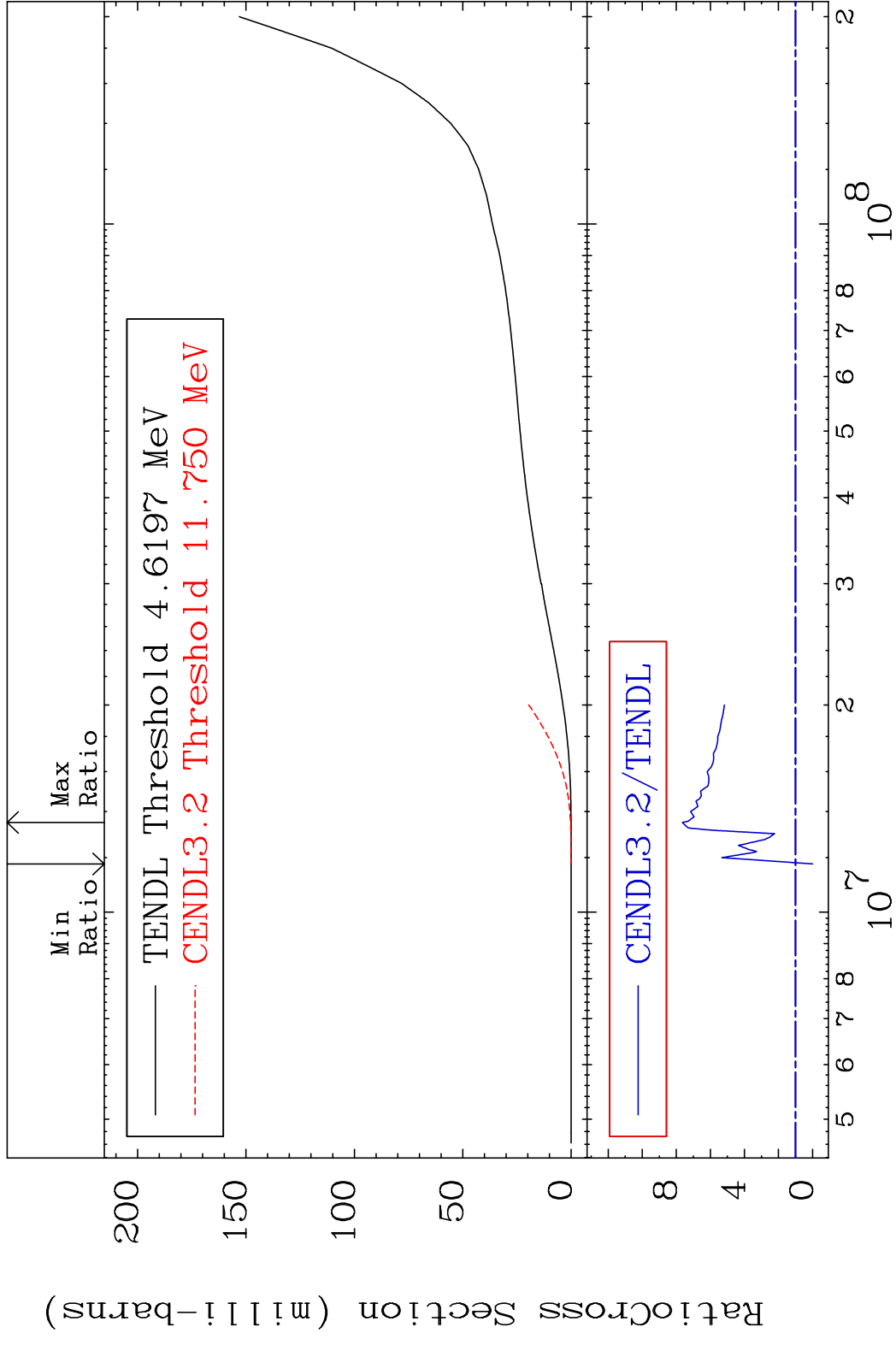
72-Hf-177

Cross Section -100.0 To -64.15%



MAT 7234

Tritium Production 72-Hf-177
Cross Section -100.0 To 664.5 %



19

Incident Energy (eV)

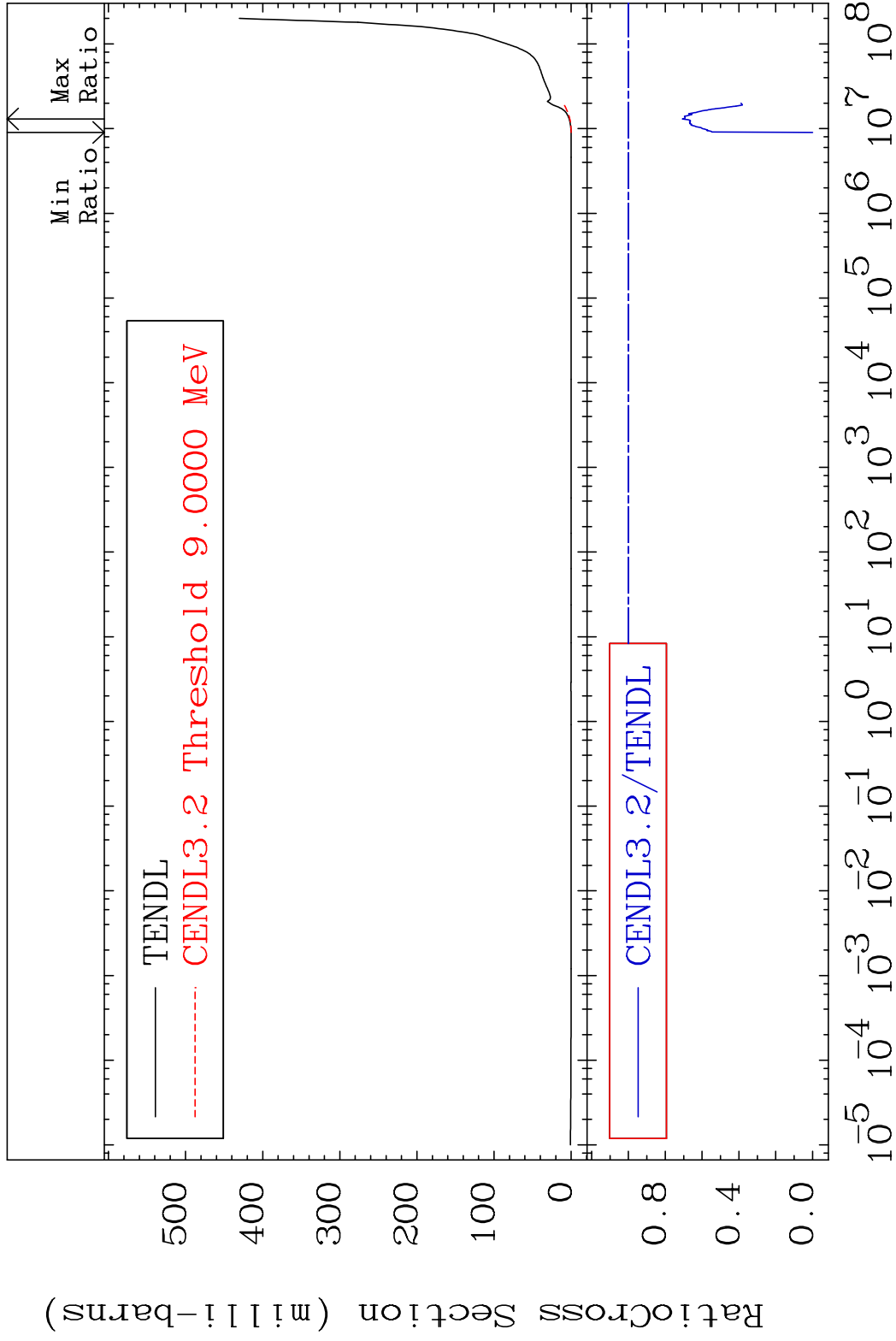
72-Hf-177

MAT 7234

He-4 Production

72-Hf-177

Cross Section -100.0 To -29.29%

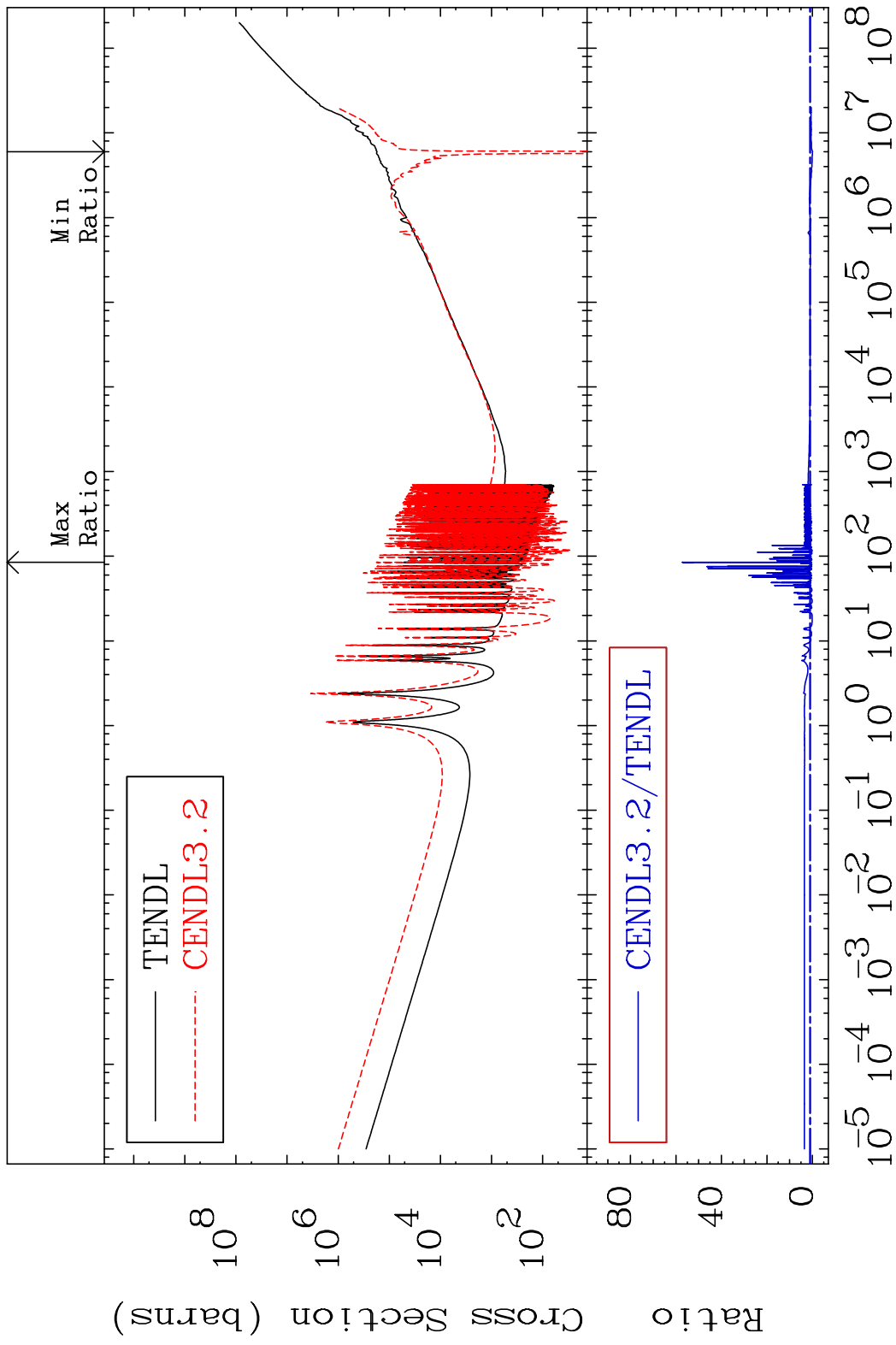


20

Incident Energy (eV)

72-Hf-177

MAT 7234 Kerma total (eV-barns) 72-Hf-177
 Cross Section -107.2 To 5618. %

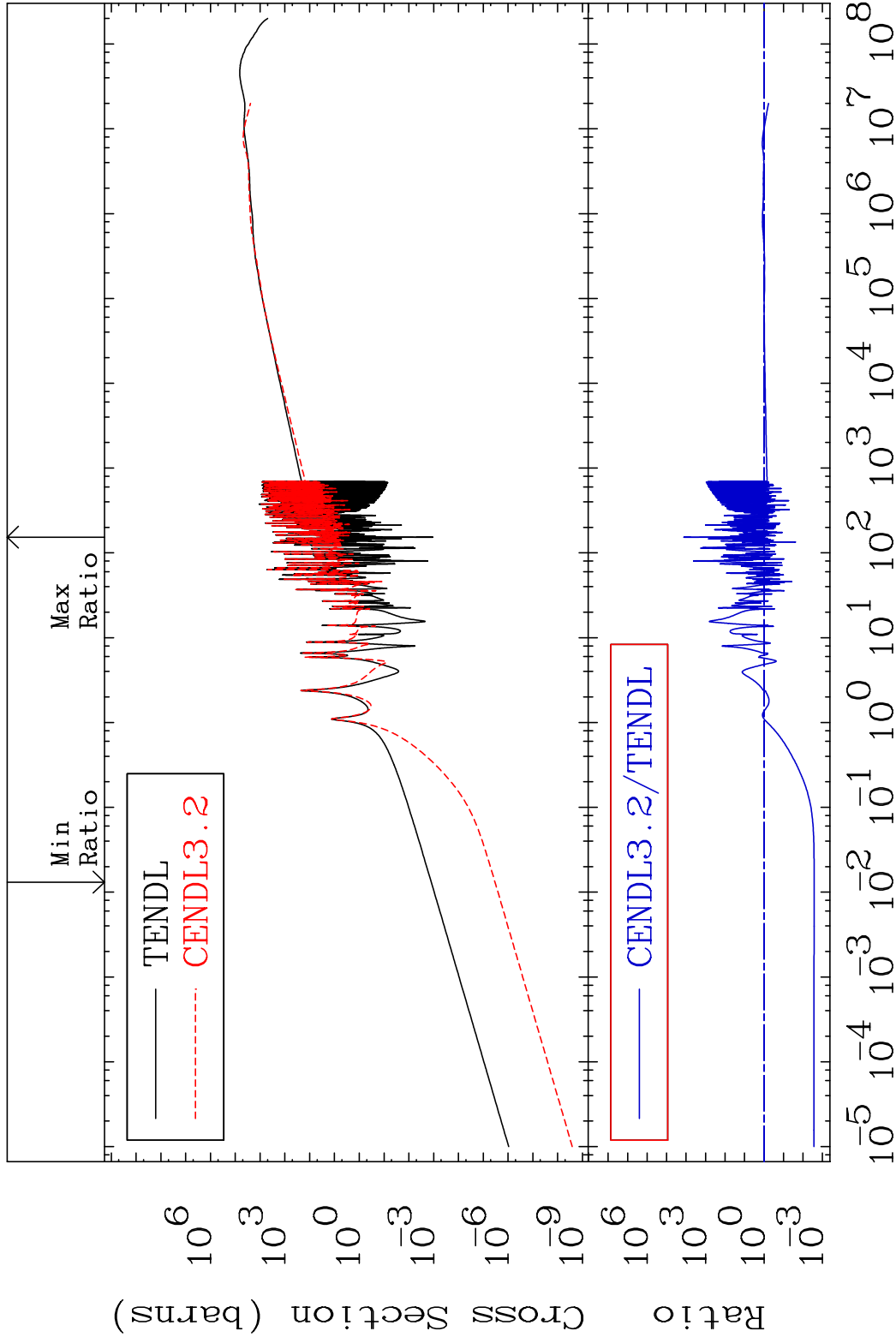


MAT 7234

Kerma elastic

72-Hf-177

Cross Section -99.73 To 9999. %

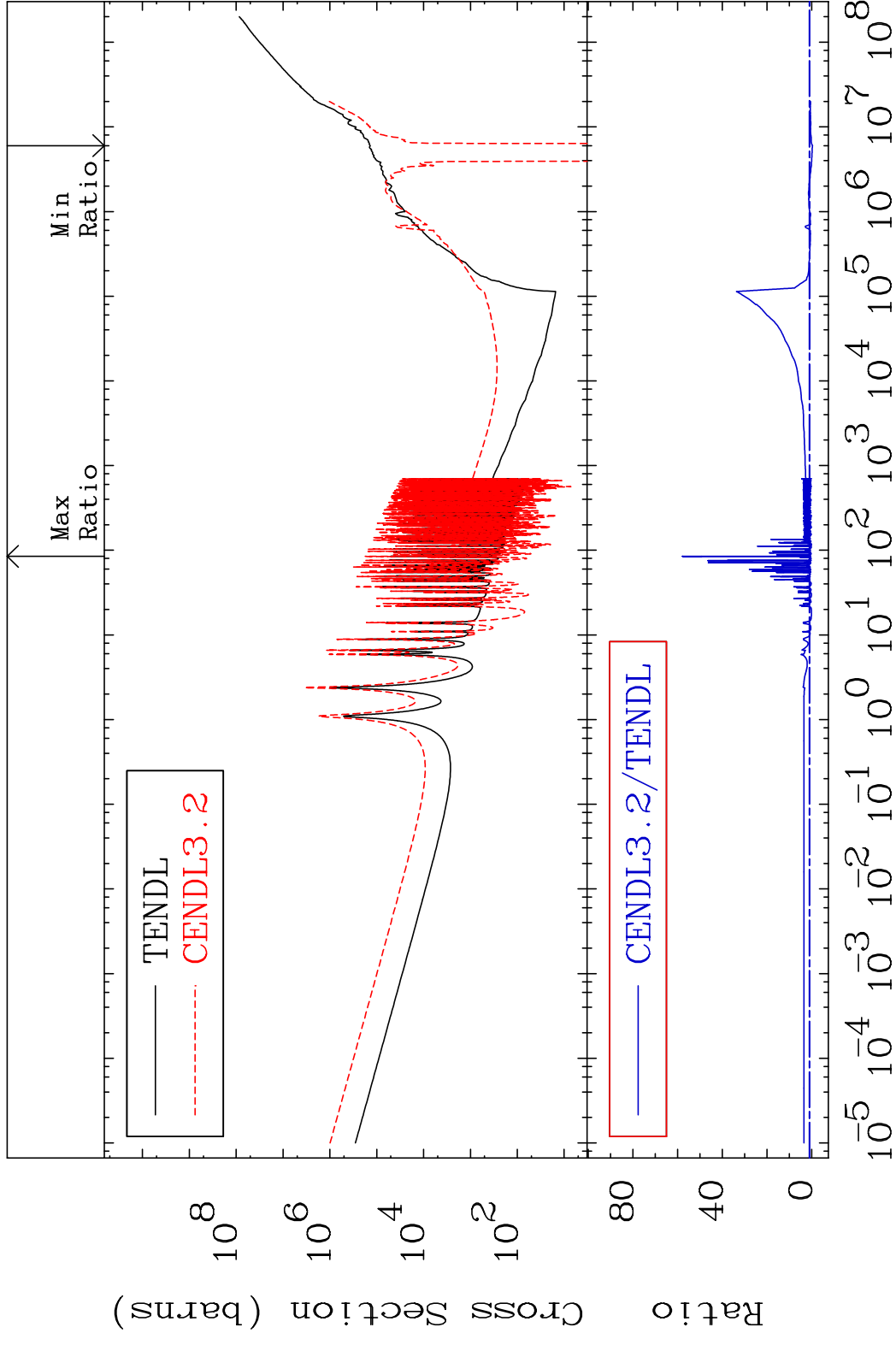


22

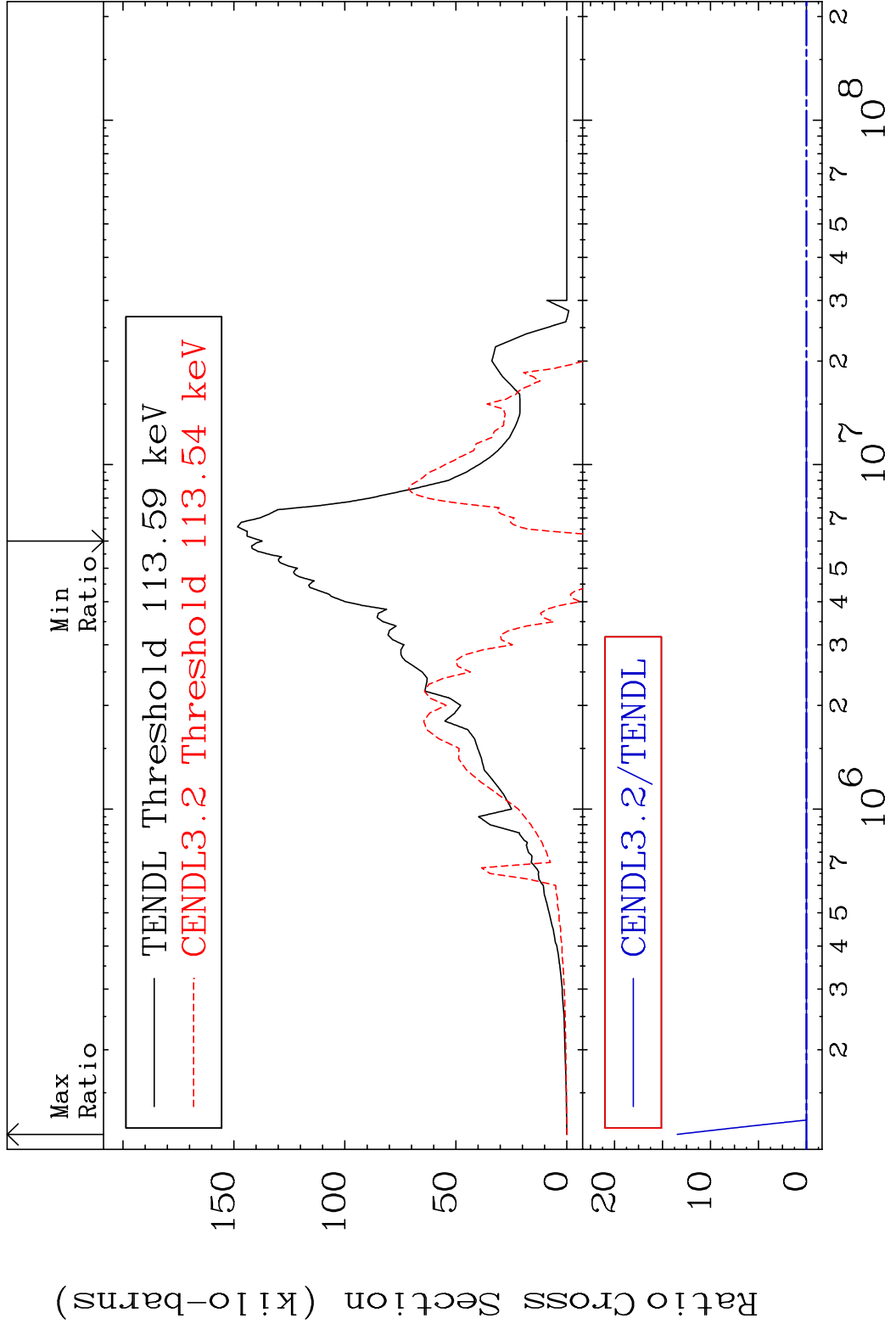
Incident Energy (eV)

72-Hf-177

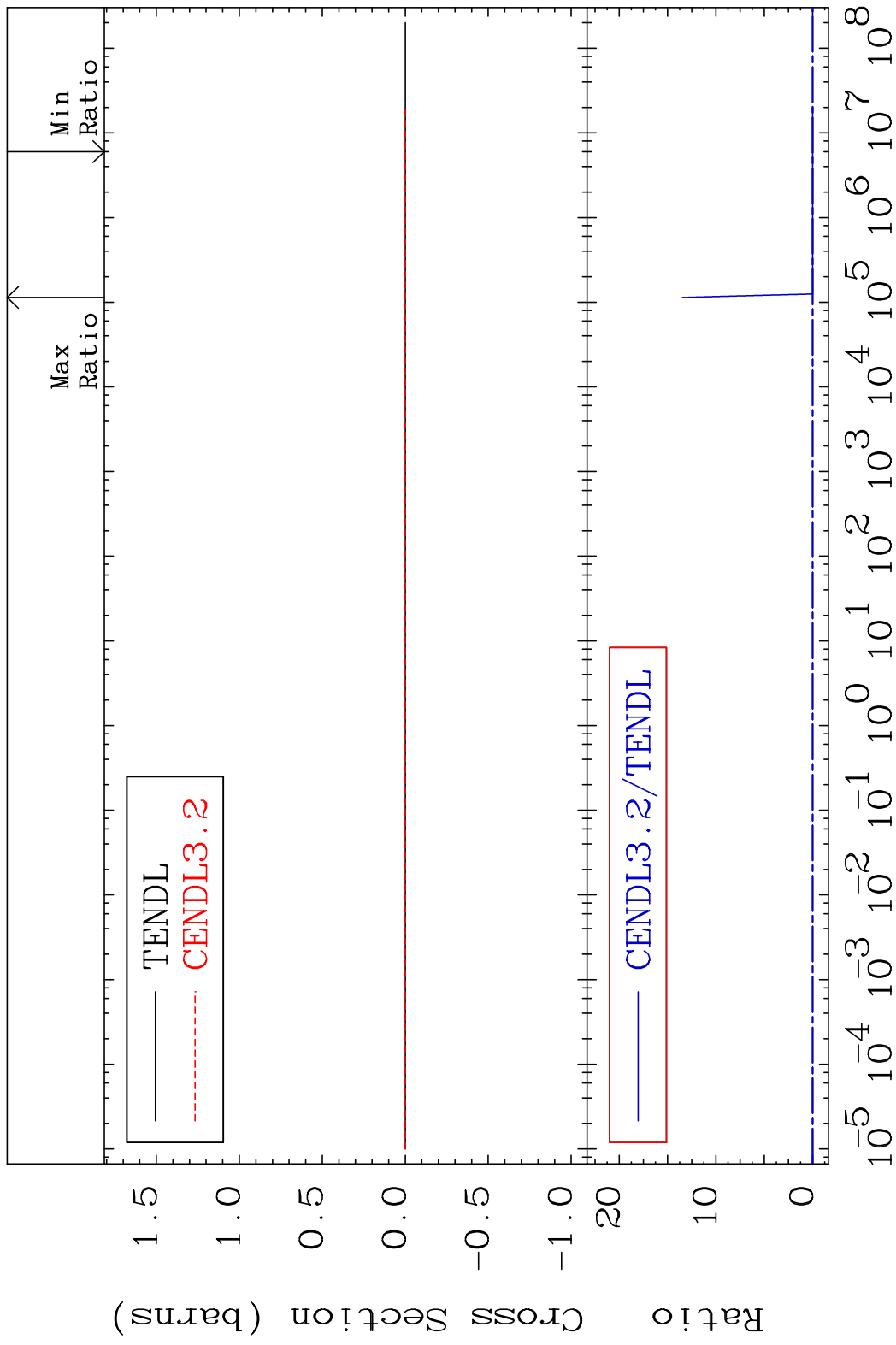
MAT 7234 Kerma non-elastic (all but mt2) 72-Hf-177
 Cross Section -139.7 To 5687. %



MAT 7234 Kerma inelastic (mt51-91) 72-Hf-177
 Cross Section -139.7 To 9999. %



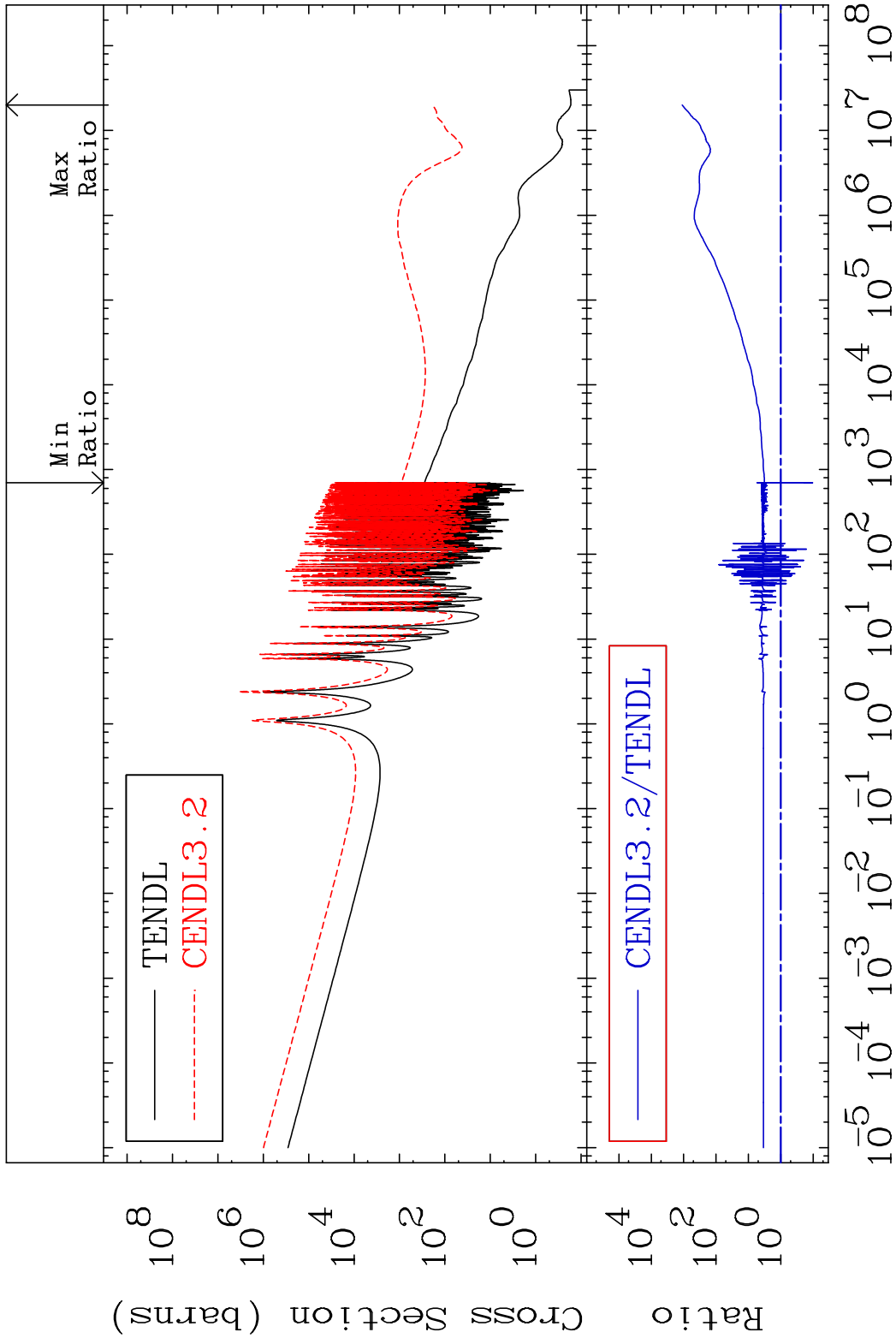
MAT 7234 Kerma fission (mt18 or mt19-20-21-38)72-Hf-177
 Cross Section -139.7 To 9999. %



MAT 7234

Kerma capture (mt102) 72-Hf-177

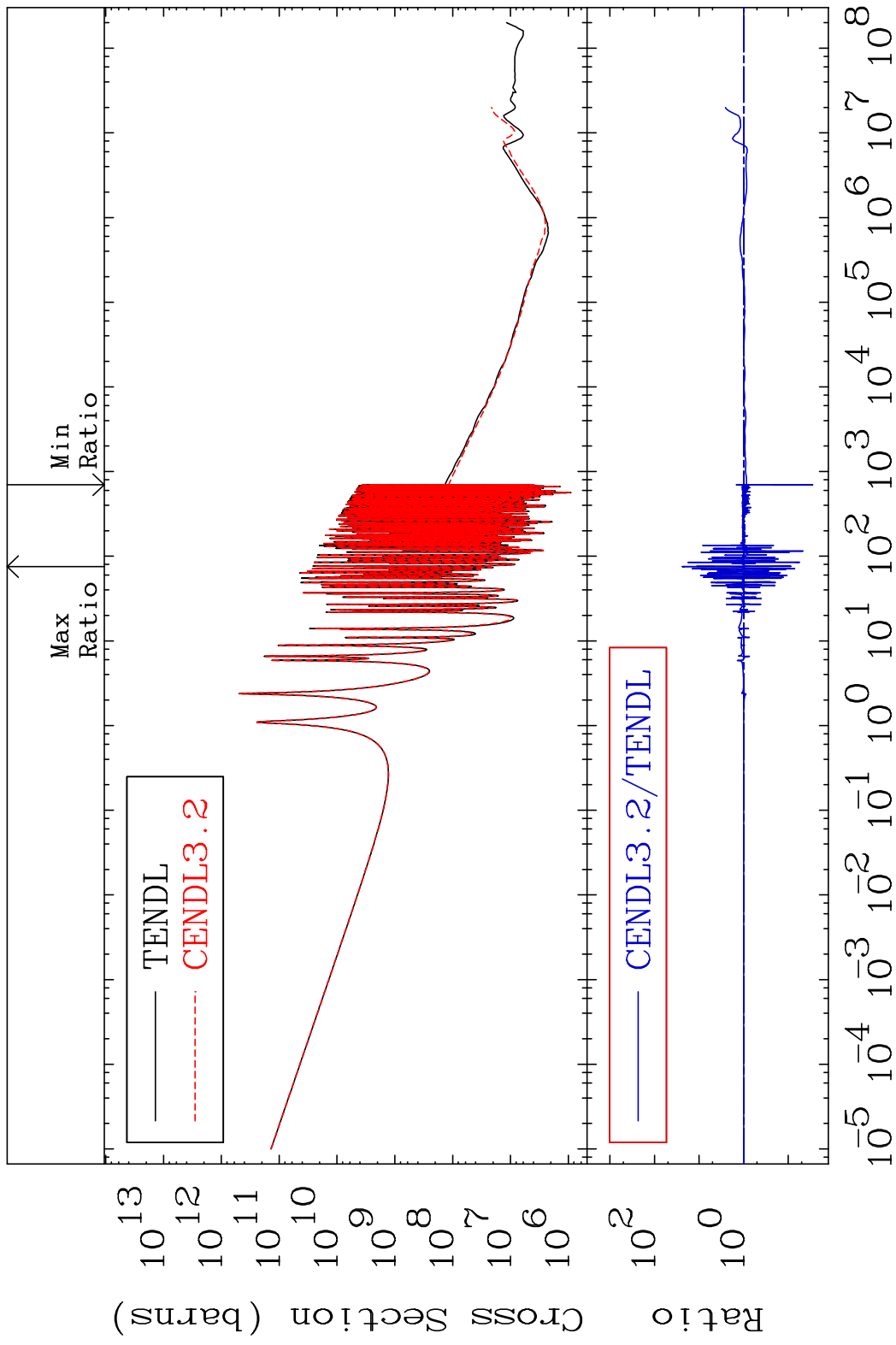
Cross Section -89.44 To 9999. %



26

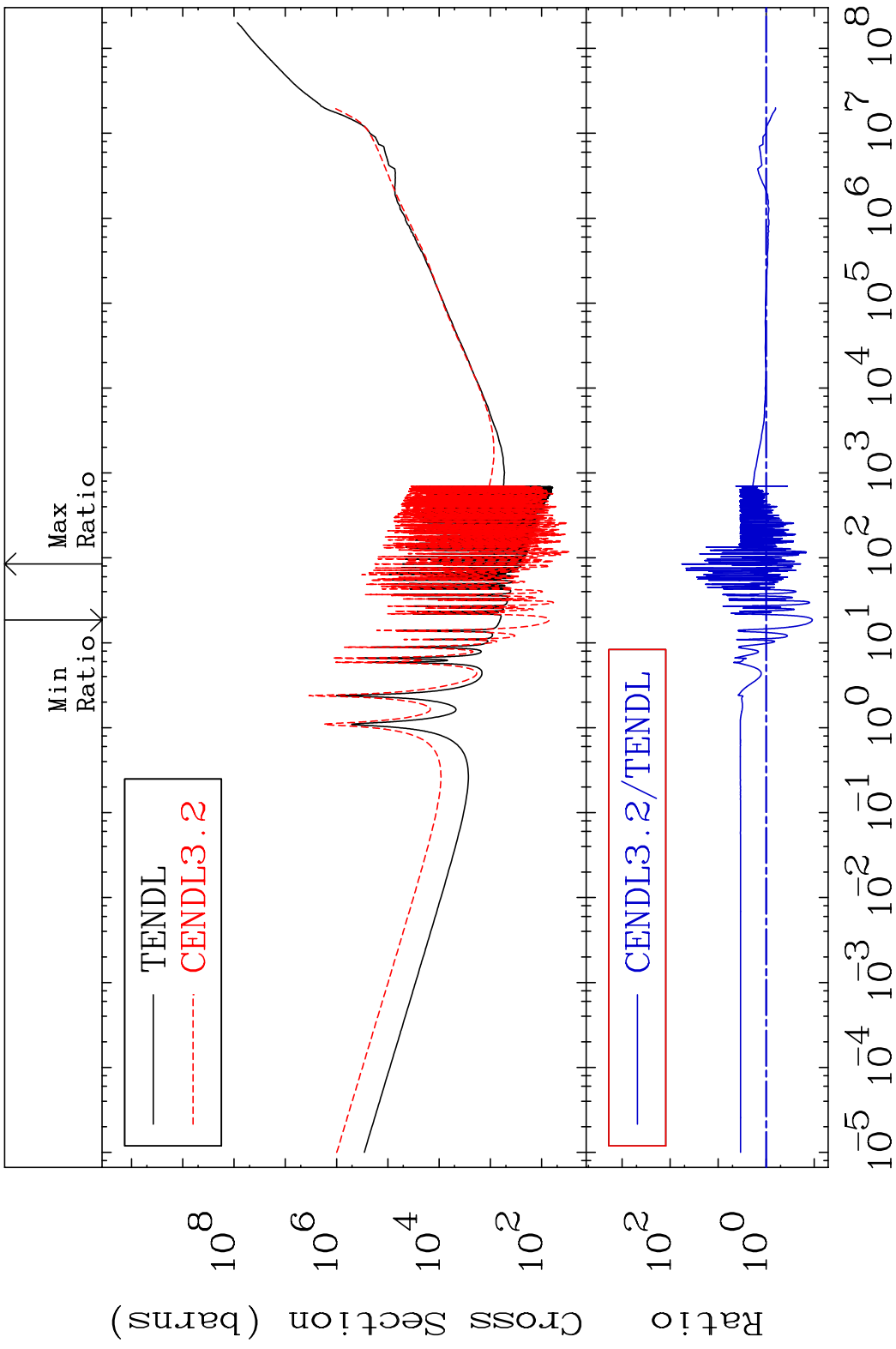
Incident Energy (eV) 72-Hf-177

MAT 7234 Total photon (eV-barns) 72-Hf-177
 Cross Section -97.16 To 2274. %



27 Incident Energy (eV) 72-Hf-177

MAT 7234 Total kinematic kerma (high limit) 72-Hf-177
Cross Section -89.03 To 5616. %

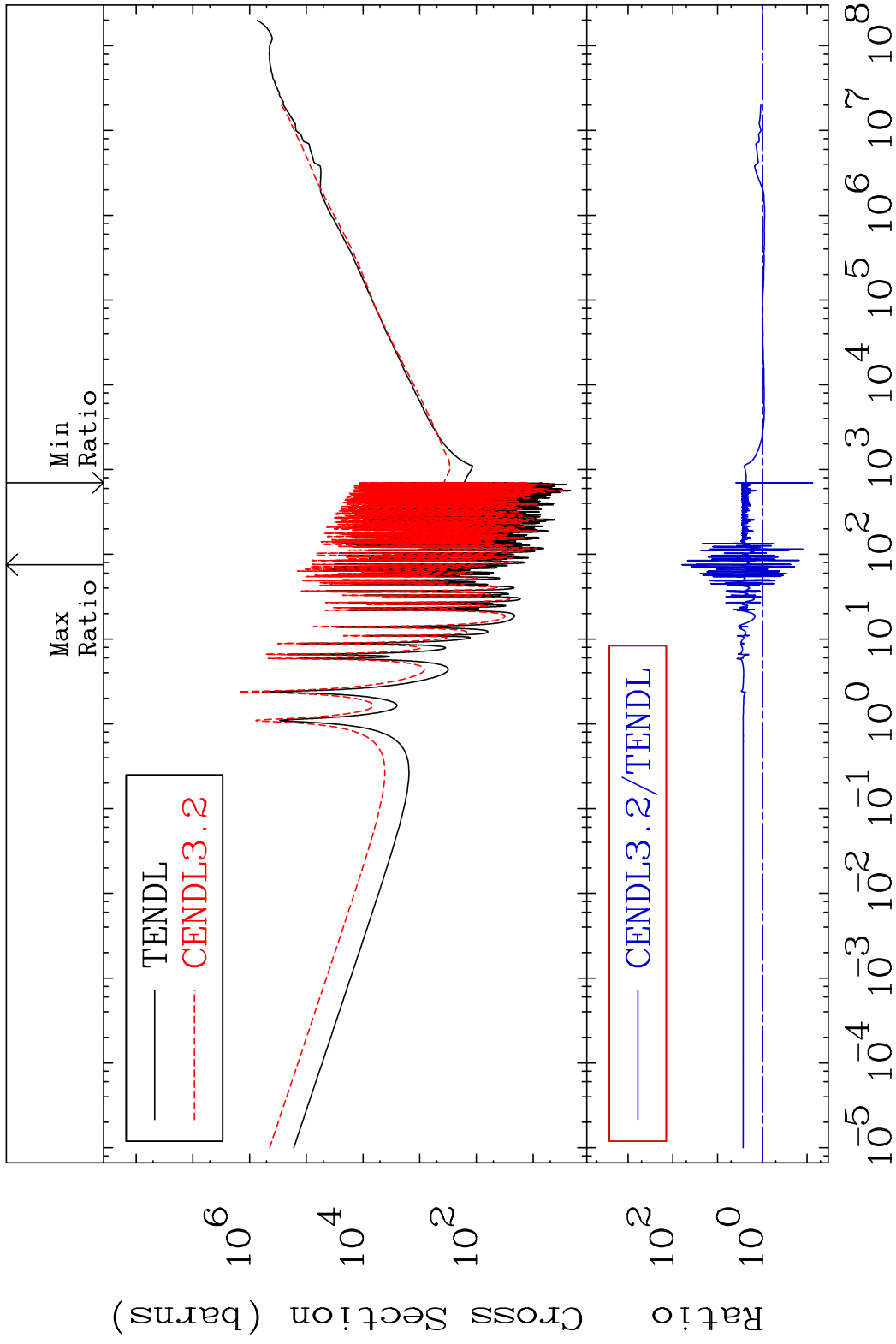


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -92.47 To 6079. %



29

Incident Energy (eV)

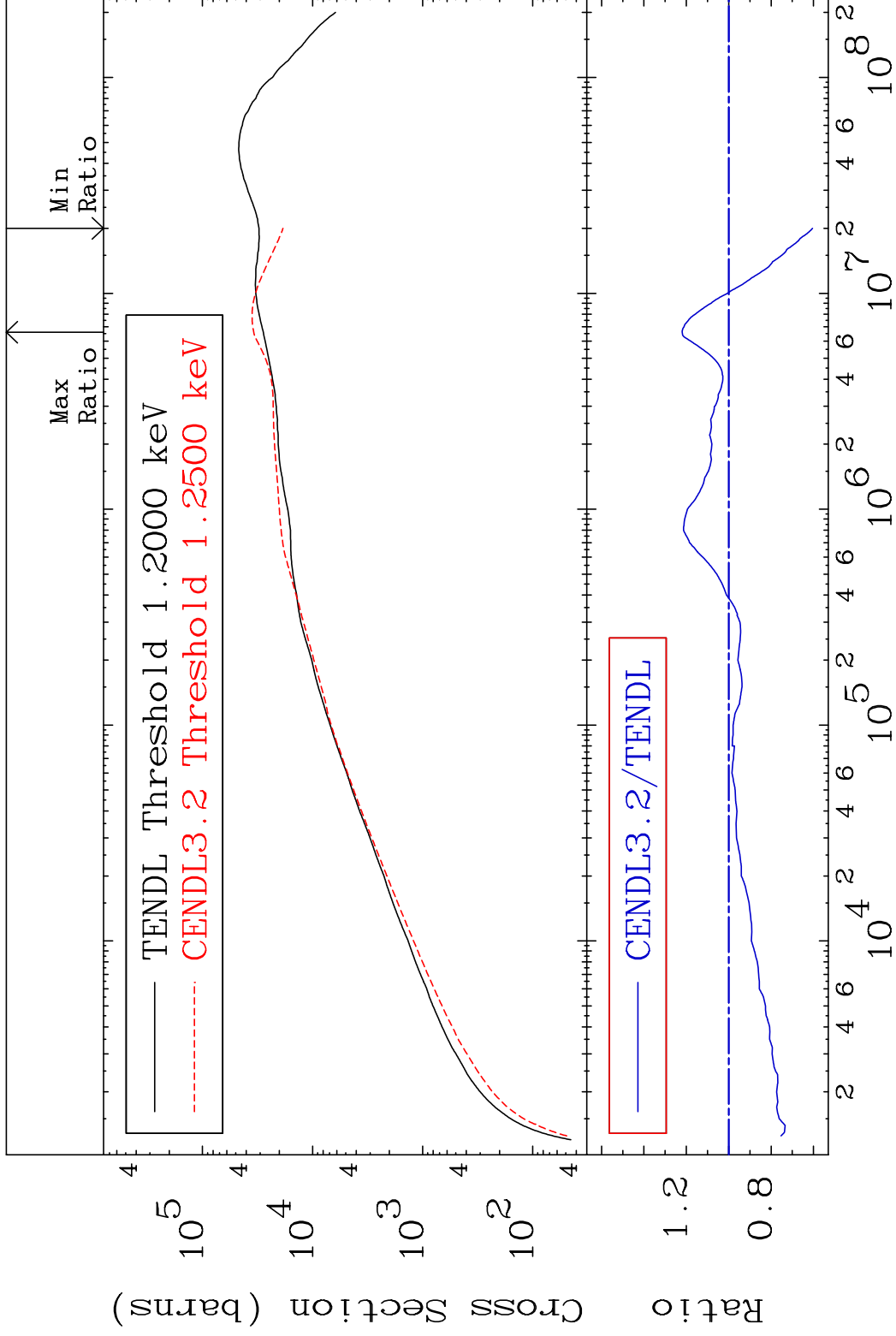
72-Hf-177

MAT 7234

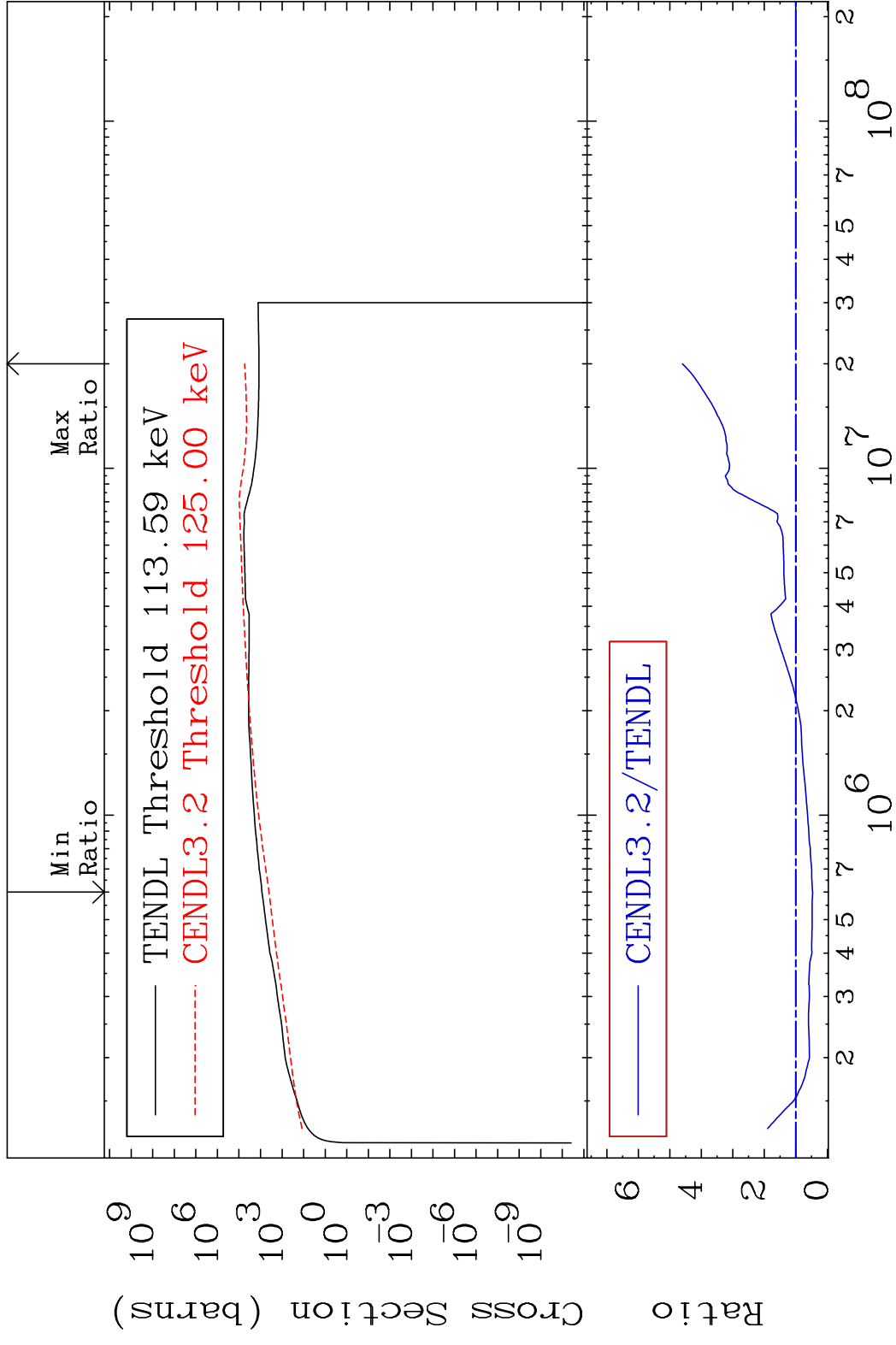
Dpa elastic (mt2)

72-Hf-177

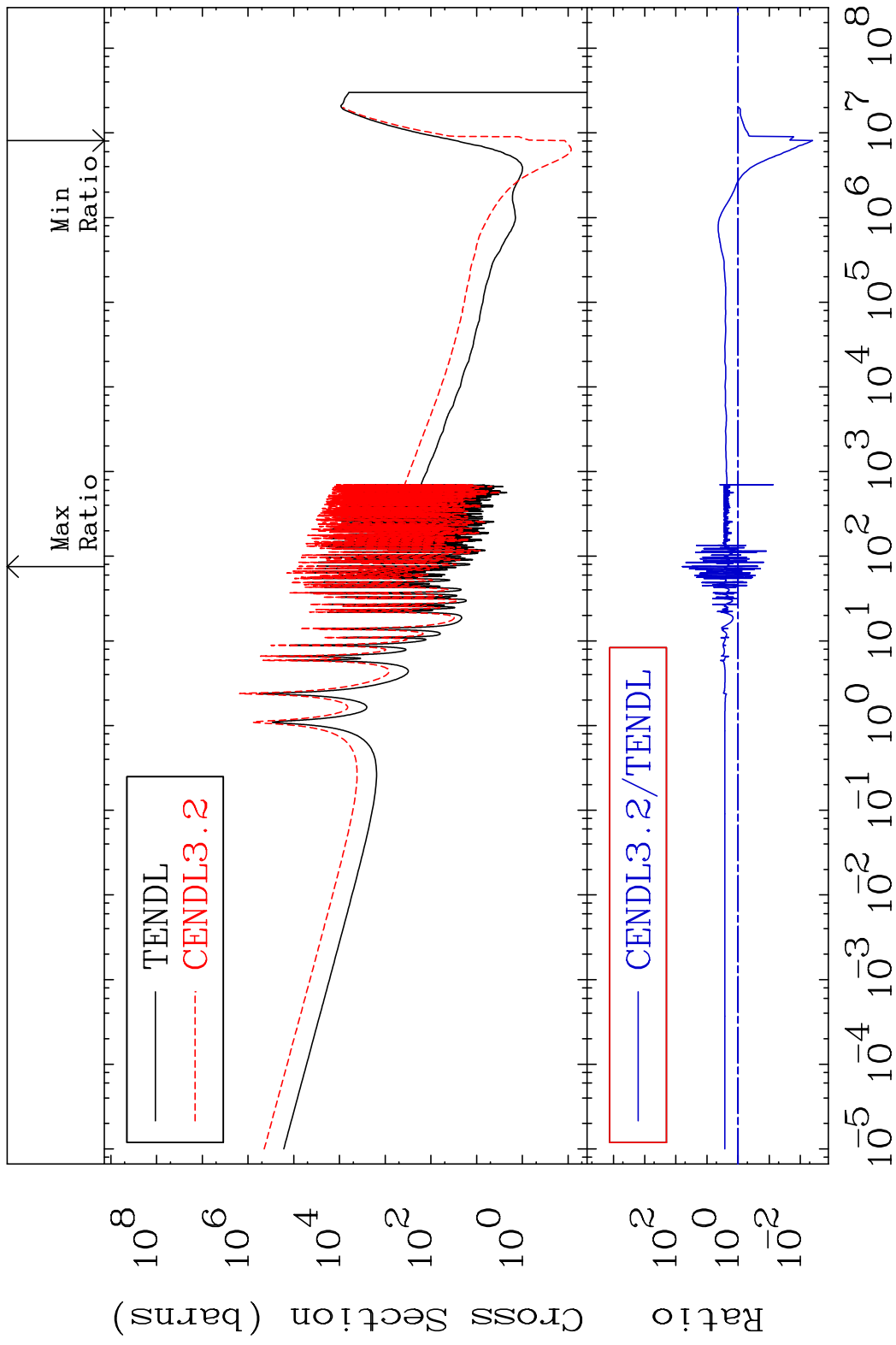
Cross Section -39.53 To 21.97 %



MAT 7234 Dpa inelastic (mt51-91) 72-Hf-177
 Cross Section -53.13 To 360.2 %



MAT 7234 Dpa disappearance (mt102 -120) 72-Hf-177
 Cross Section -99.60 To 6079. %

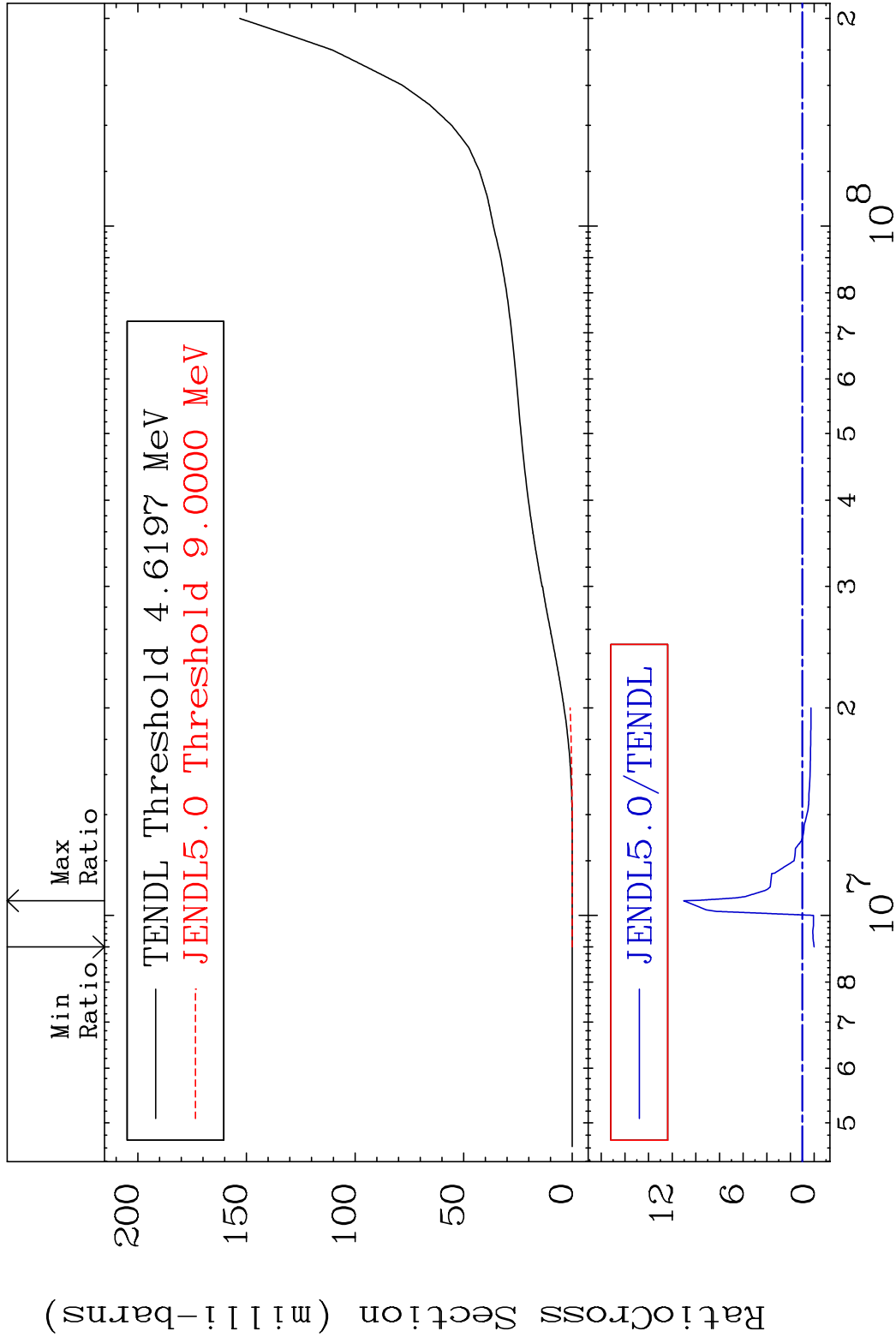


MAT 7234

Tritium Production

72-Hf-177

Cross Section -100.0 To 1003. %



33

Incident Energy (eV)

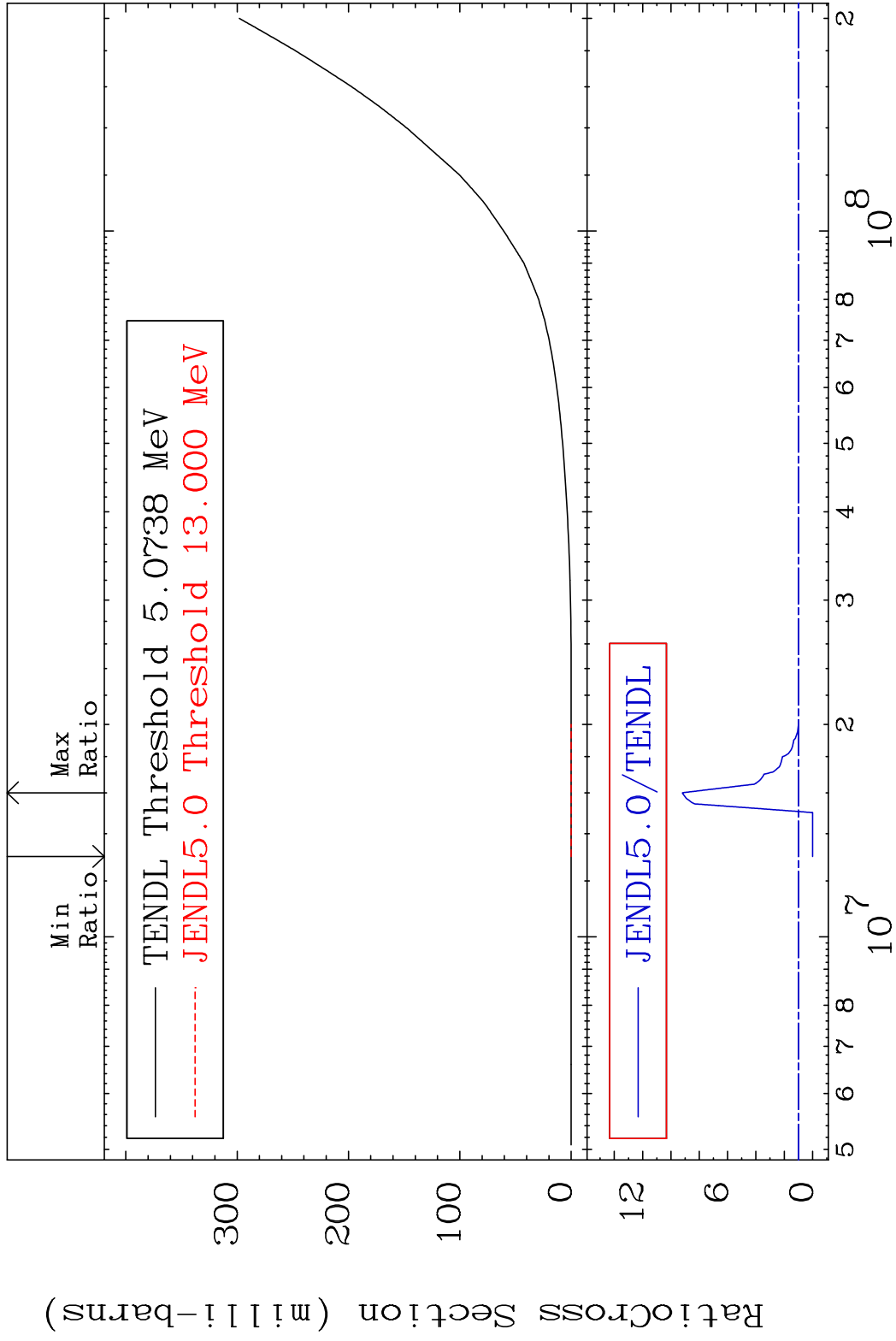
72-Hf-177

MAT 7234

He-3 Production

72-Hf-177

Cross Section -100.0 To 819.5 %



34

Incident Energy (eV)

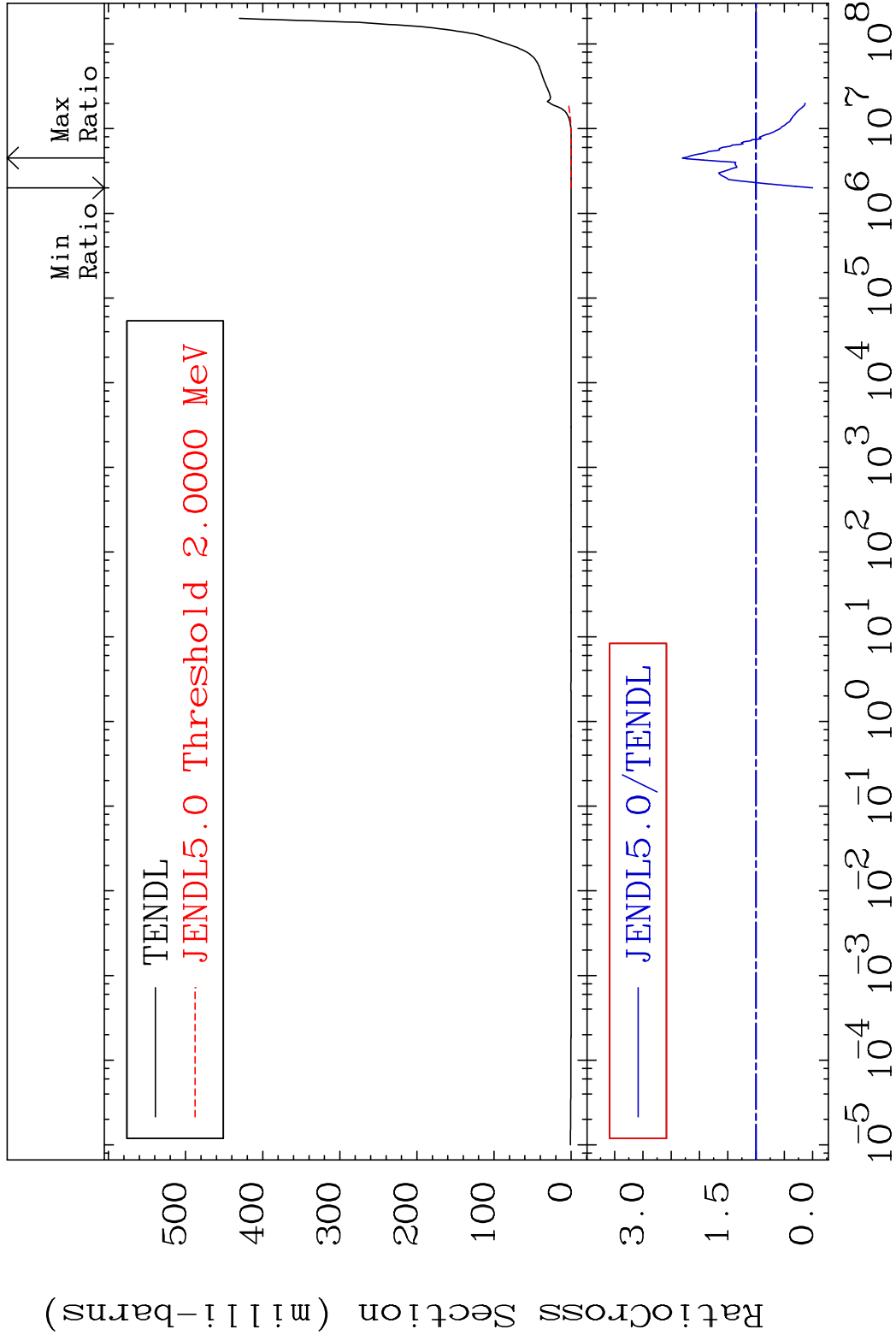
72-Hf-177

MAT 7234

He-4 Production

72-Hf-177

Cross Section -100.0 To 130.4 %

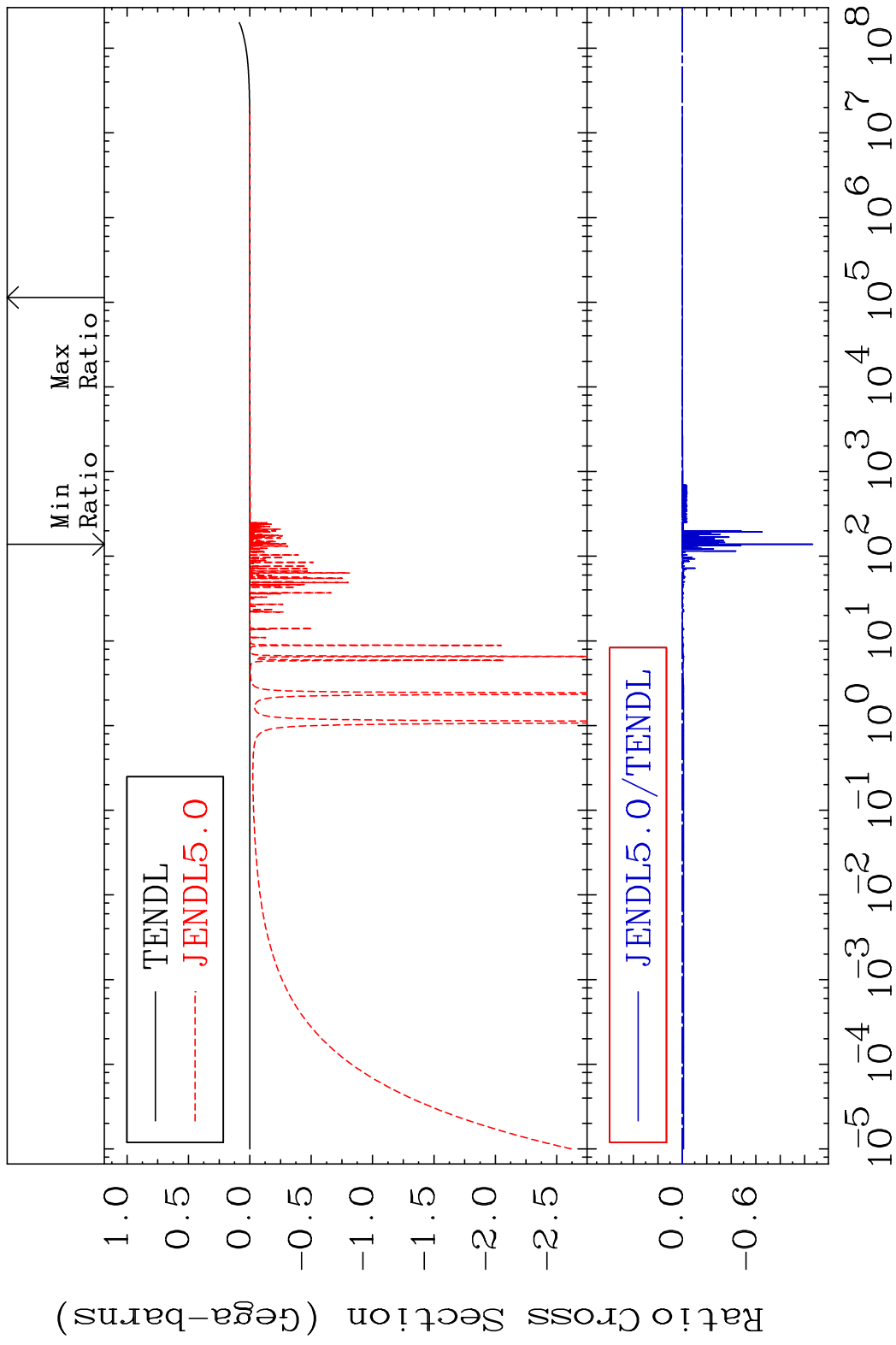


35

Incident Energy (eV)

72-Hf-177

MAT 7234 Kerma total (eV-barns) 72-Hf-177
 Cross Section -9999. To 3540. %

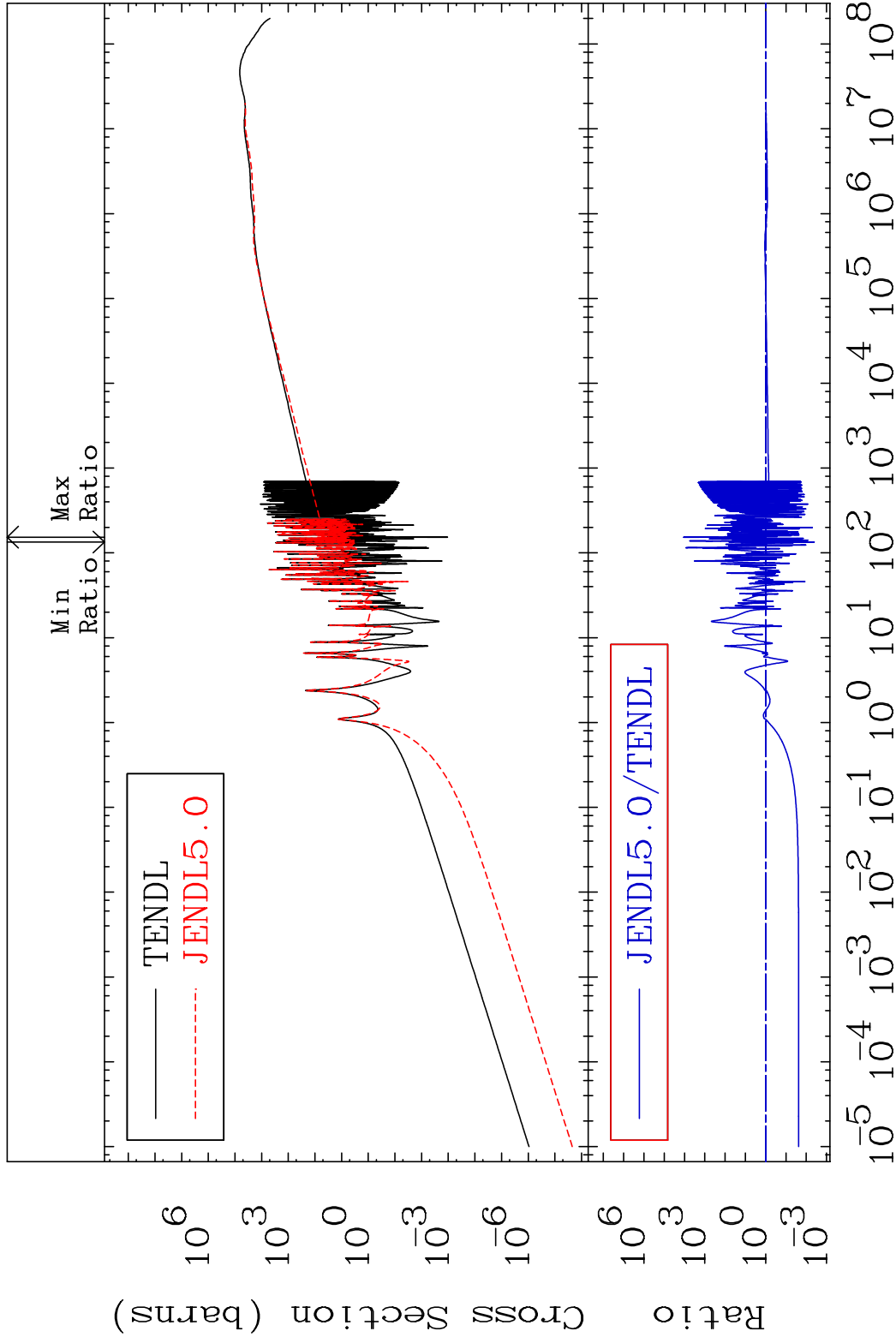


MAT 7234

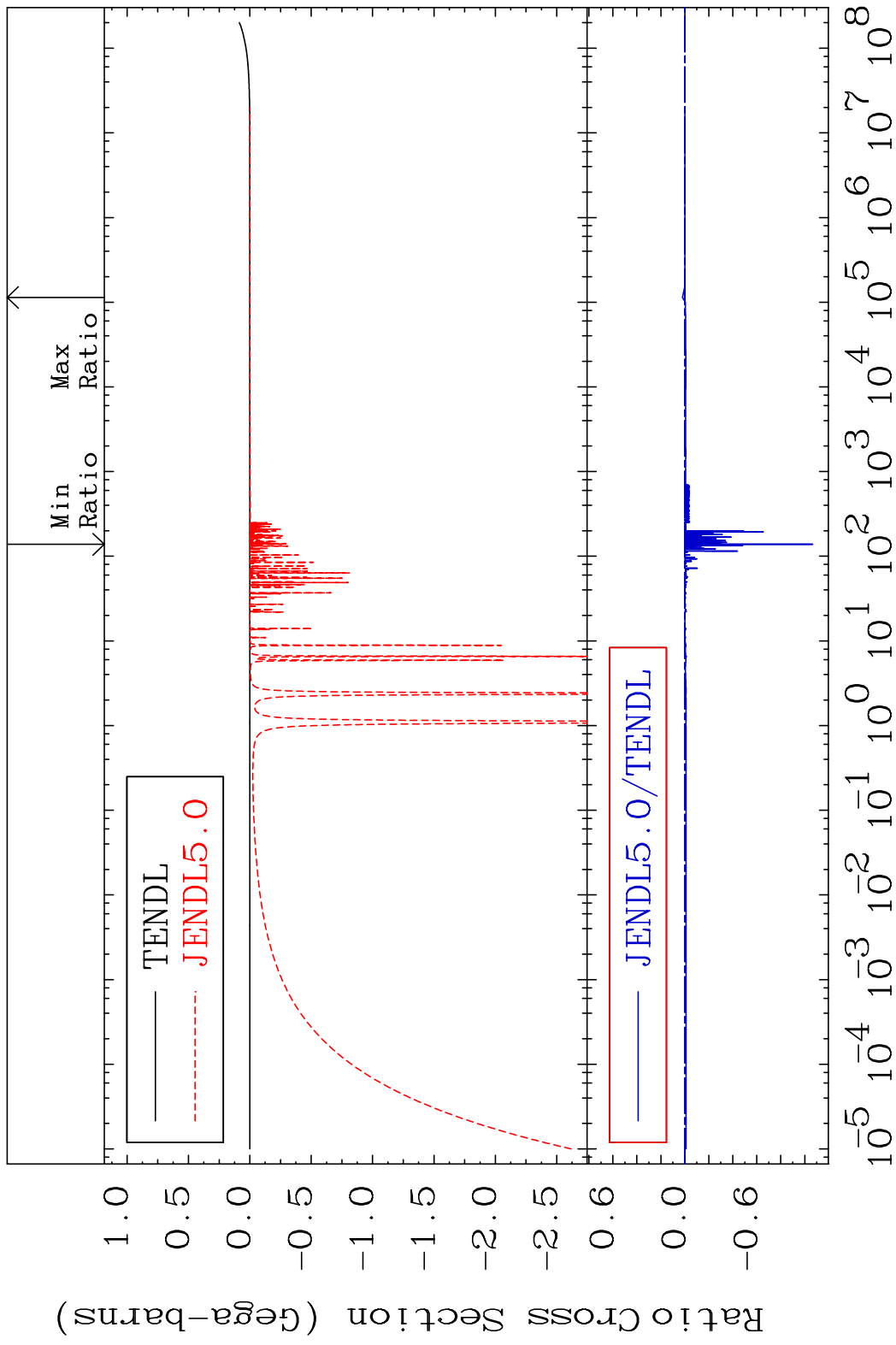
Kerma elastic

72-Hf-177

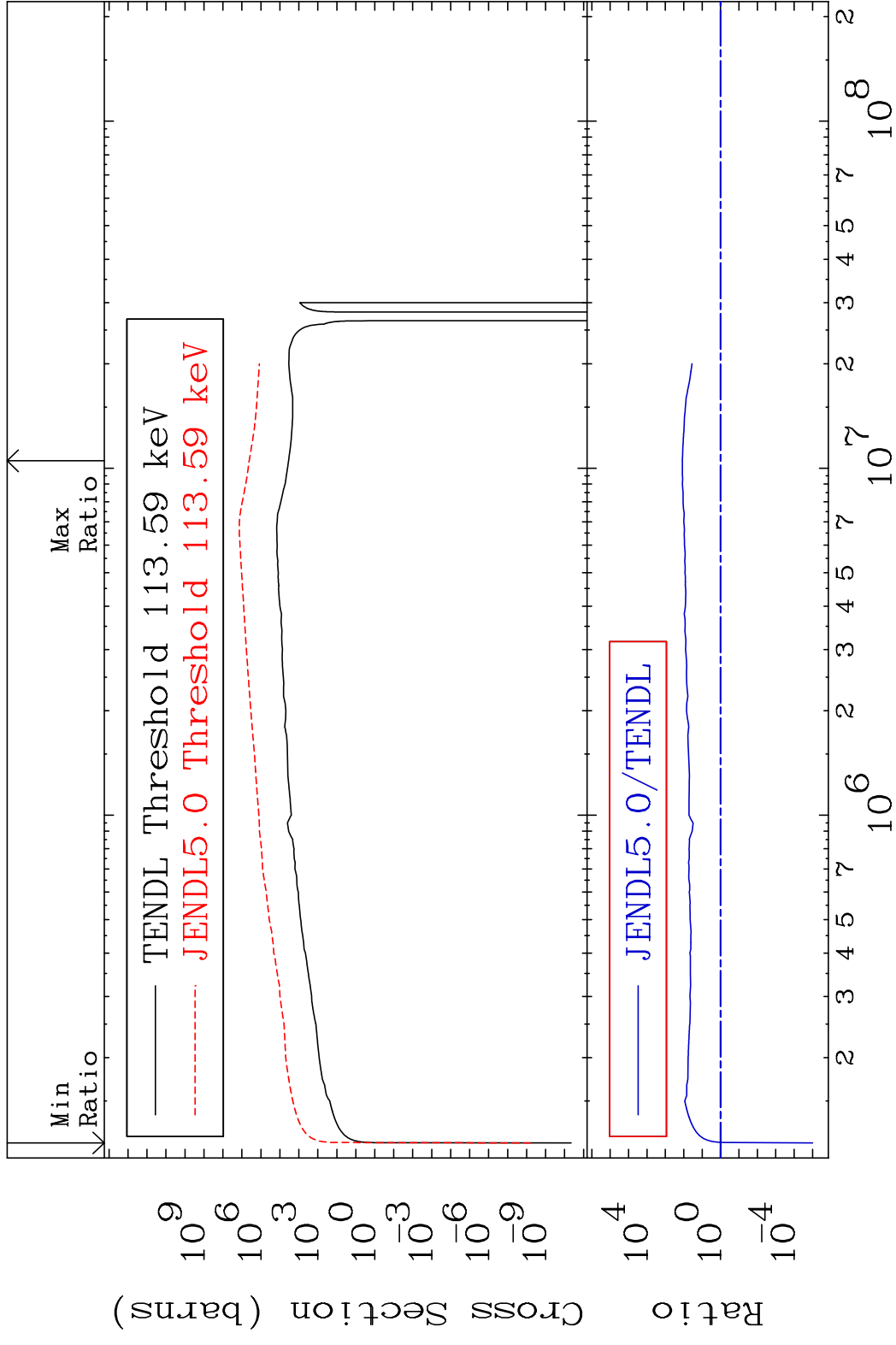
Cross Section -99.59 To 9999. %



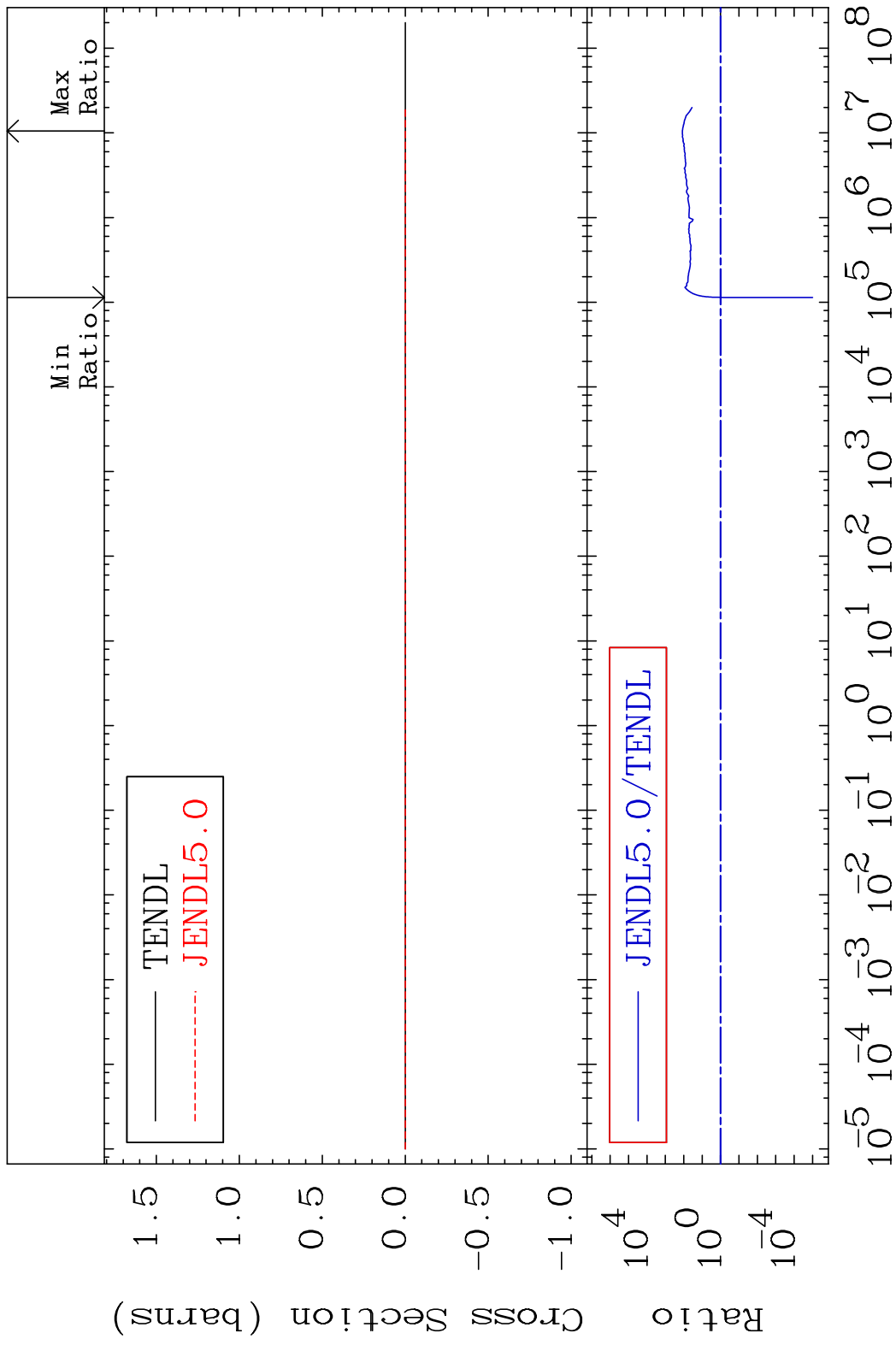
MAT 7234 Kerma non-elastic (all but mt2) 72-Hf-177
 Cross Section -9999. To 9999. %



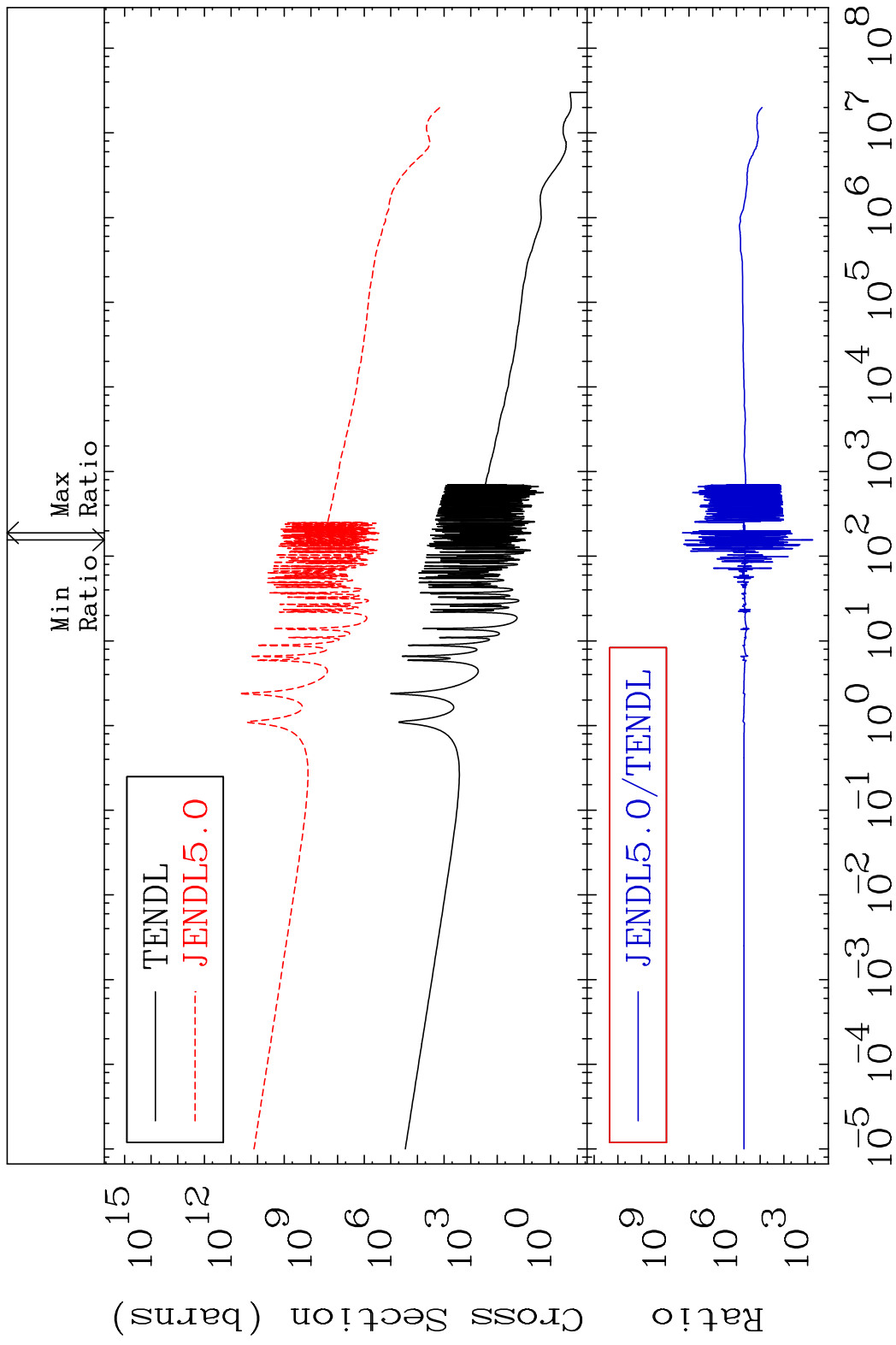
MAT 7234 Kerma inelastic (mt51-91) 72-Hf-177
 Cross Section -100.0 To 9999. %



MAT 7234 Kerma fission (mt18 or mt19-20-21-38)72-Hf-177
 Cross Section -100.0 To 9999. %



MAT 7234 Kerma capture (mt102) 72-Hf-177
 Cross Section 9999. To 9999. %

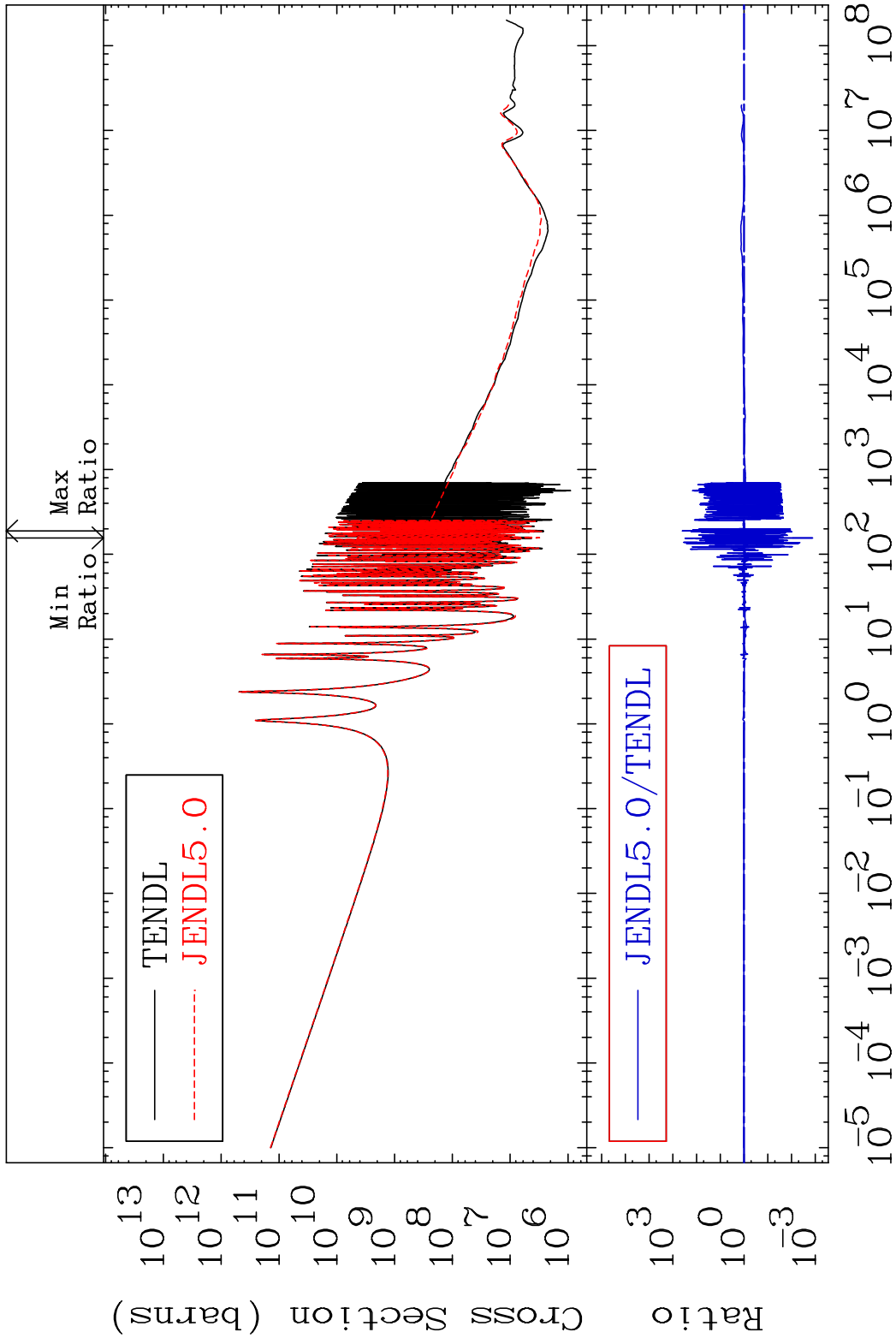


MAT 7234

Total photon (eV-barns)

72-Hf-177

Cross Section -99.87 To 9999. %

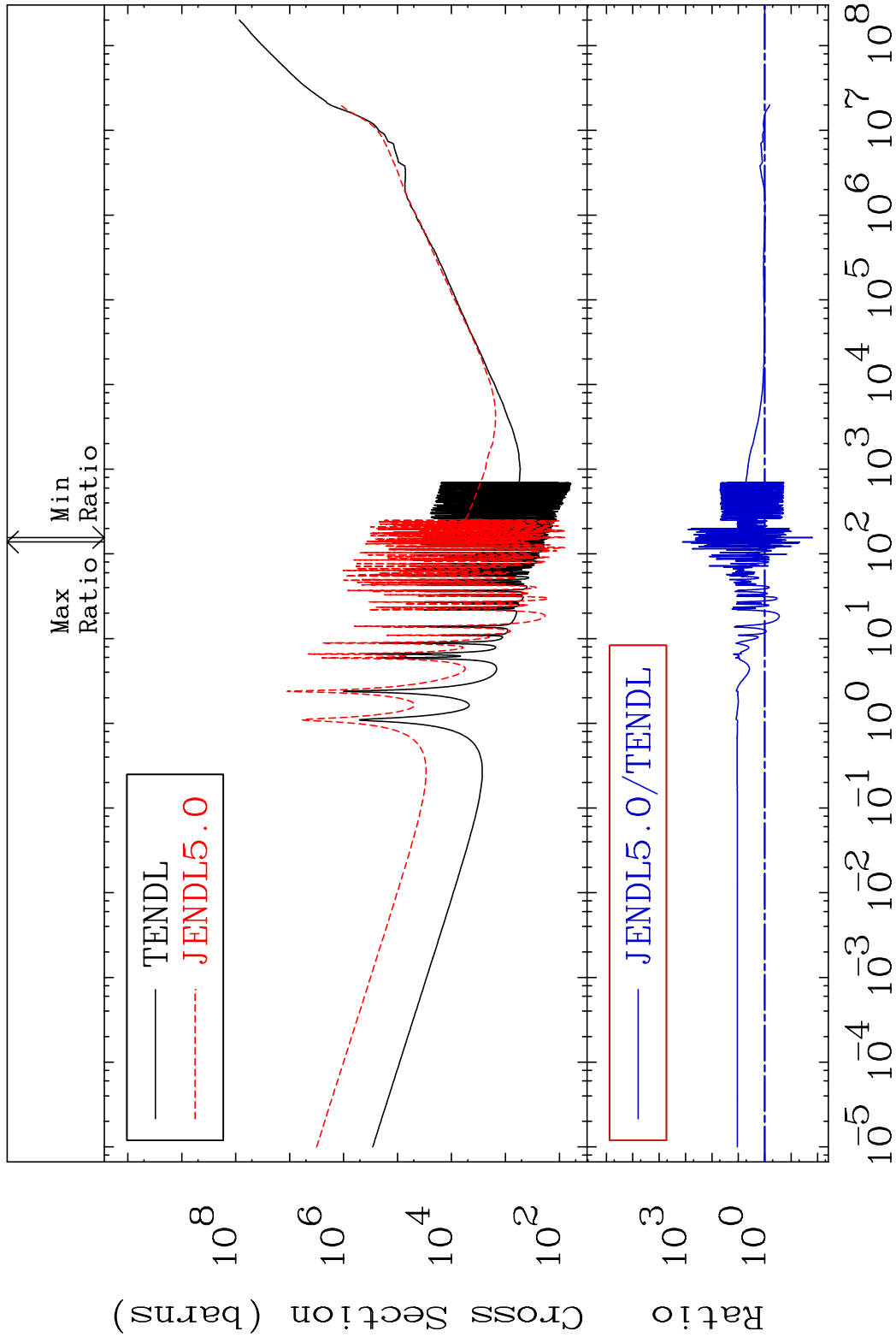


42

Incident Energy (eV)

72-Hf-177

MAT 7234 Total kinematic kerma (high limit) 72-Hf-177
 Cross Section -98.46 To 9999. %

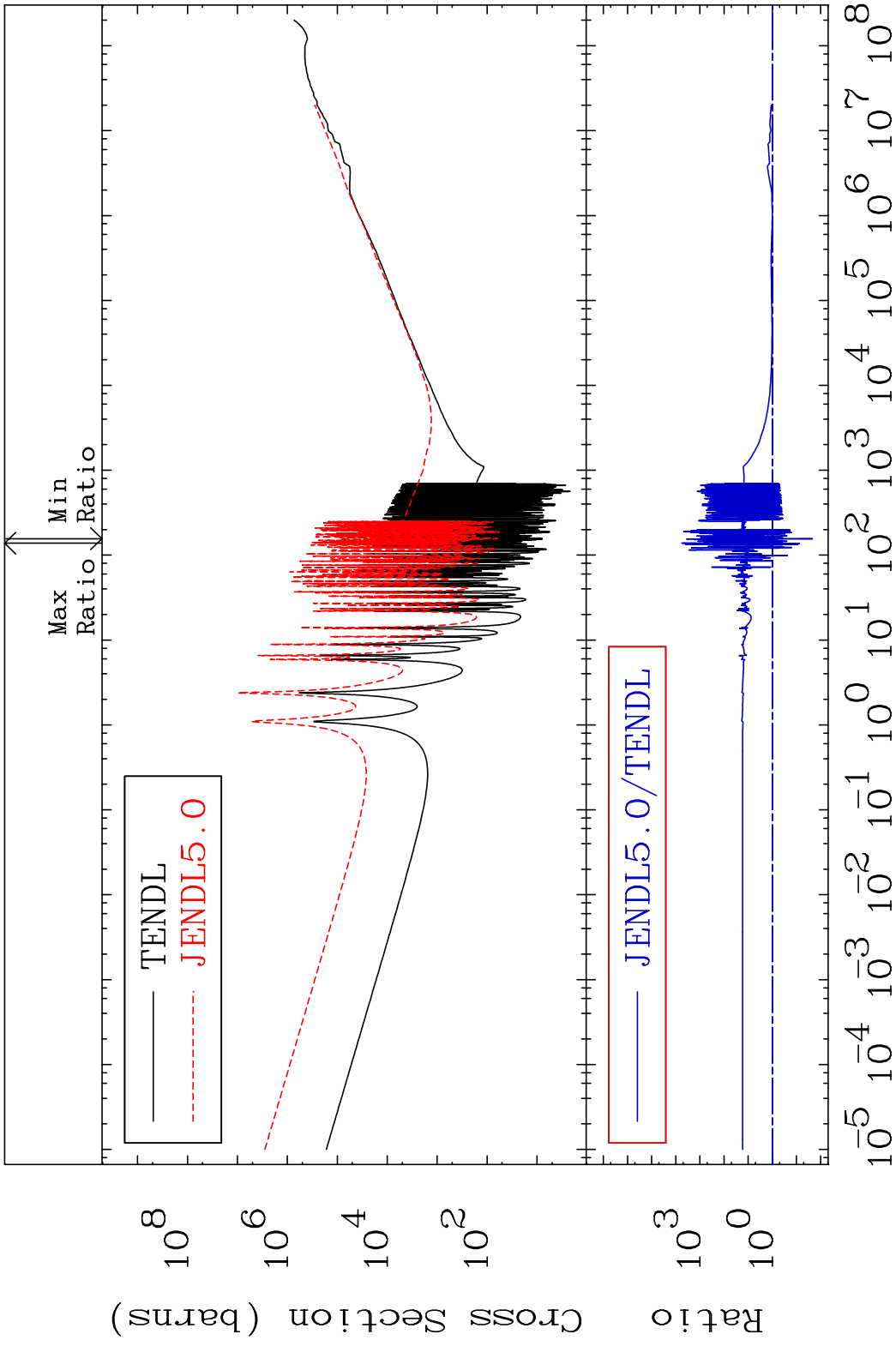


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -97.80 To 9999. %



44

Incident Energy (eV)

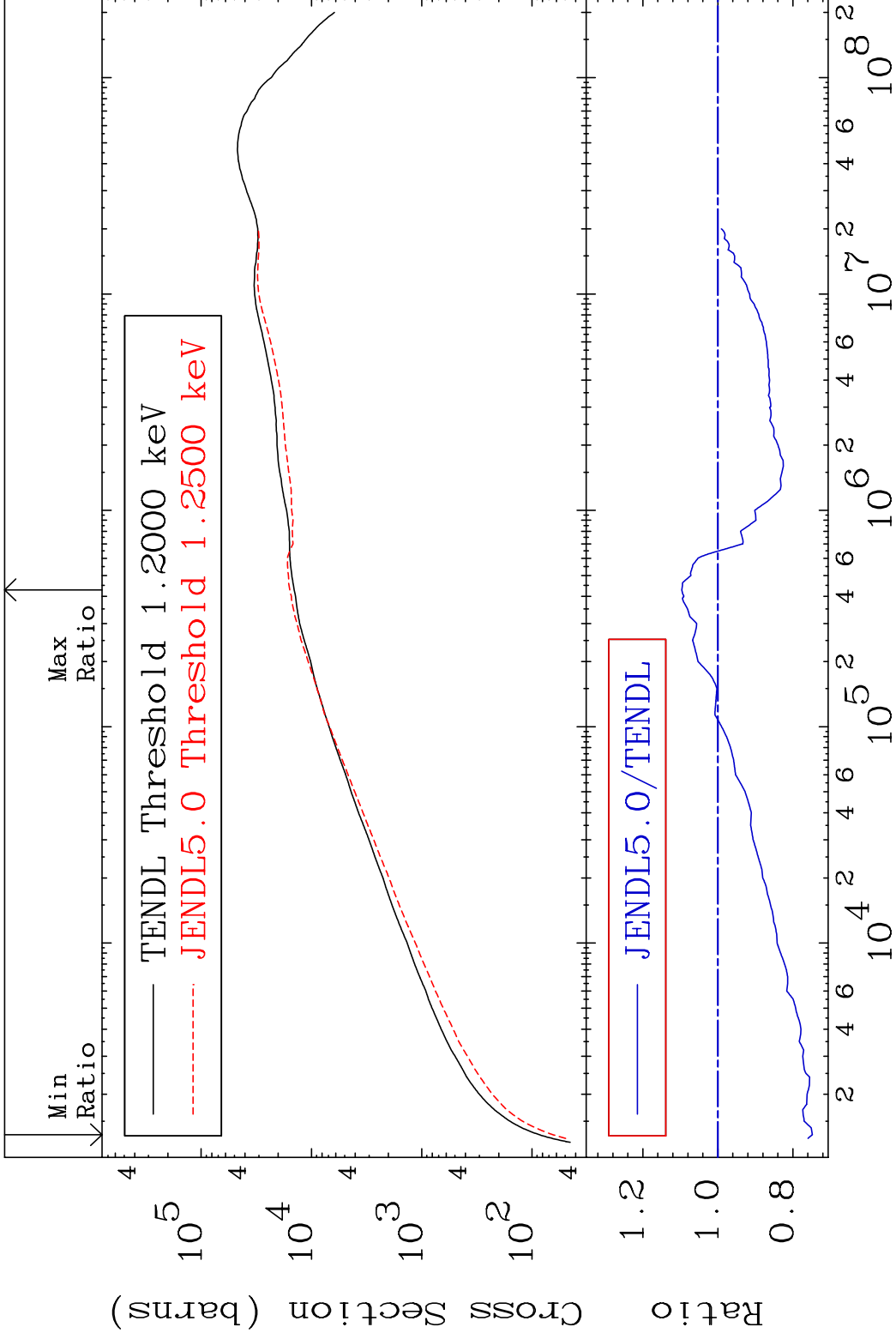
72-Hf-177

MAT 7234

Dpa elastic (mt2)

72-Hf-177

Cross Section -25.18 To 9.632 %

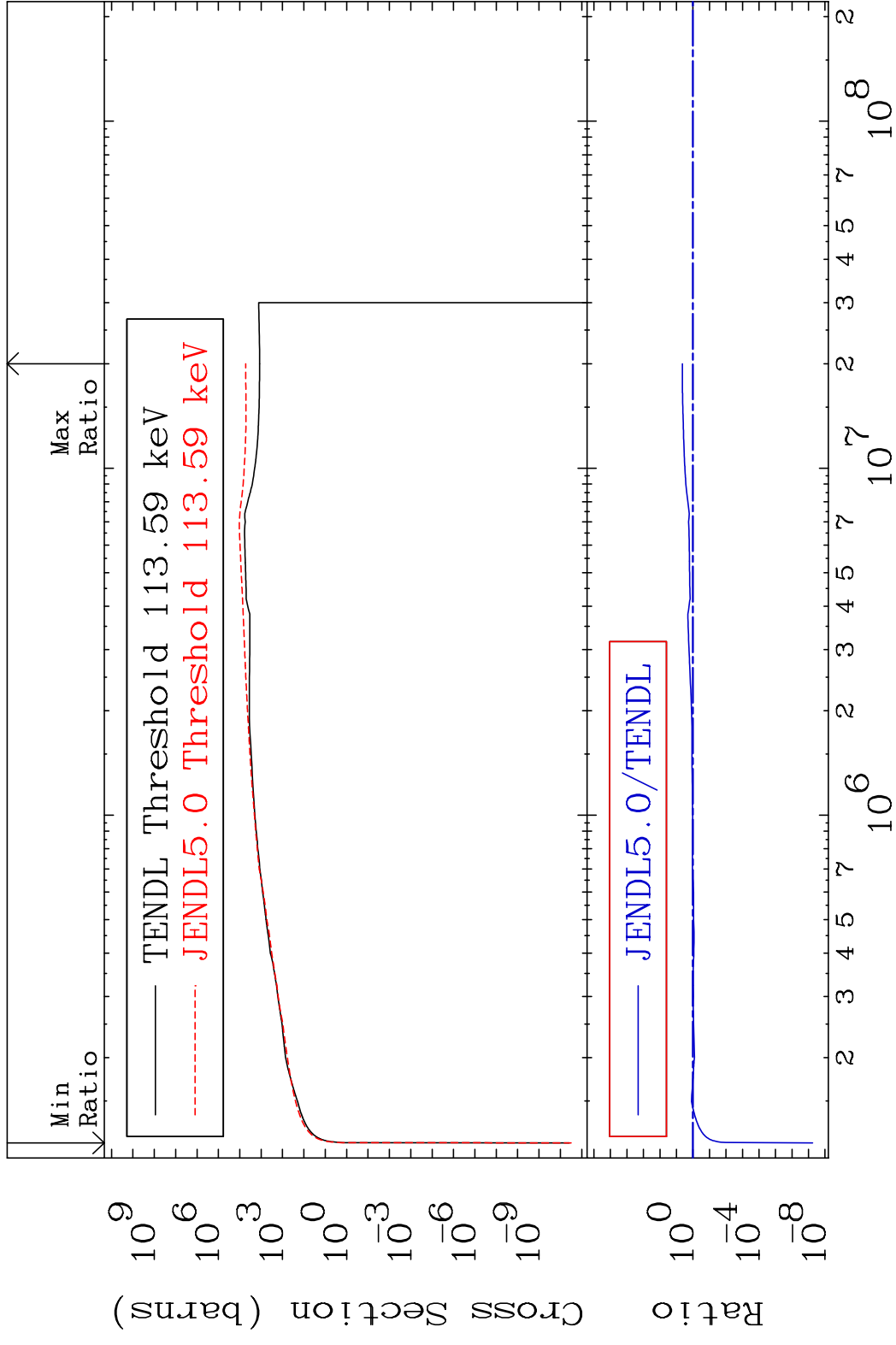


45

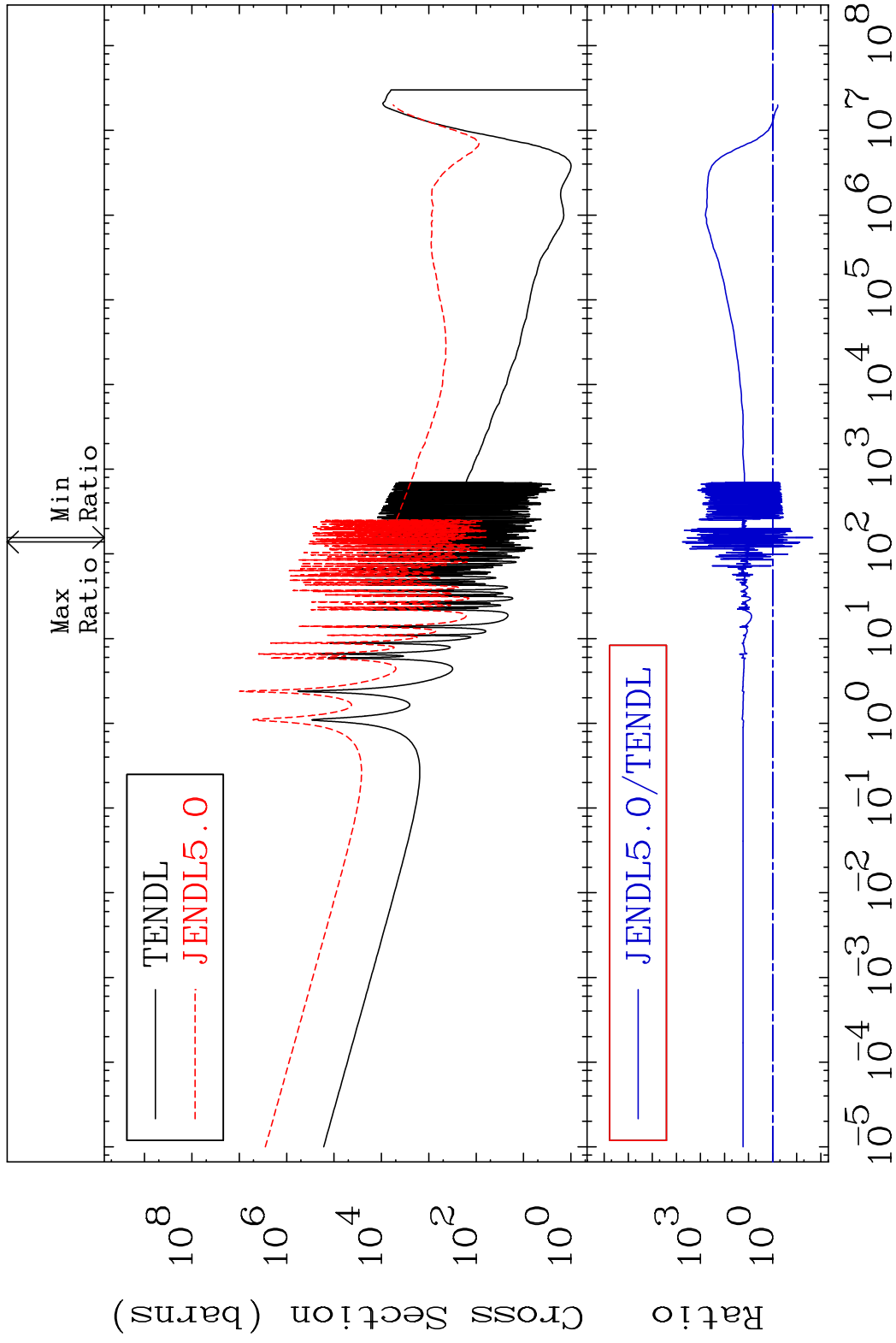
Incident Energy (eV)

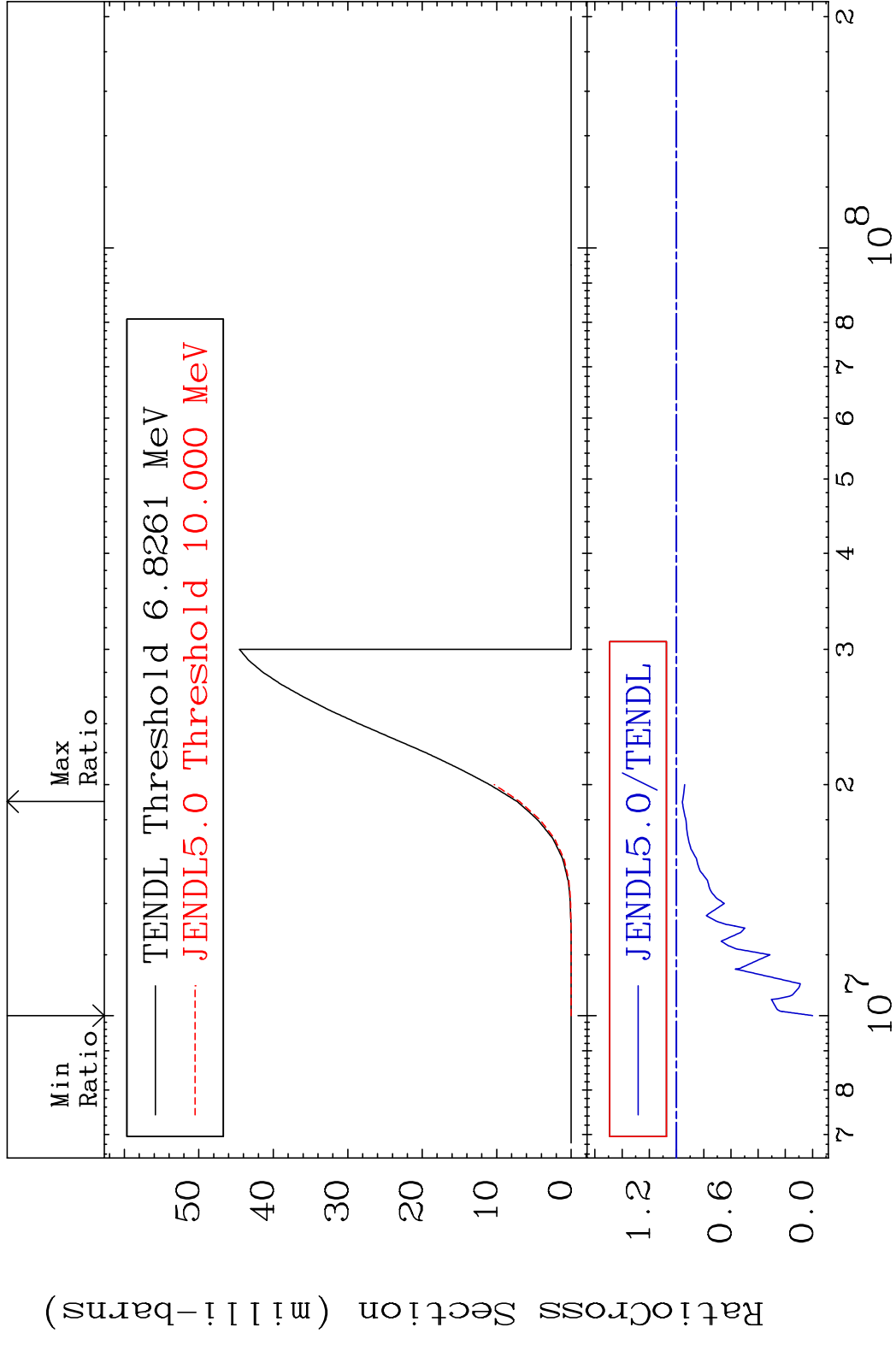
72-Hf-177

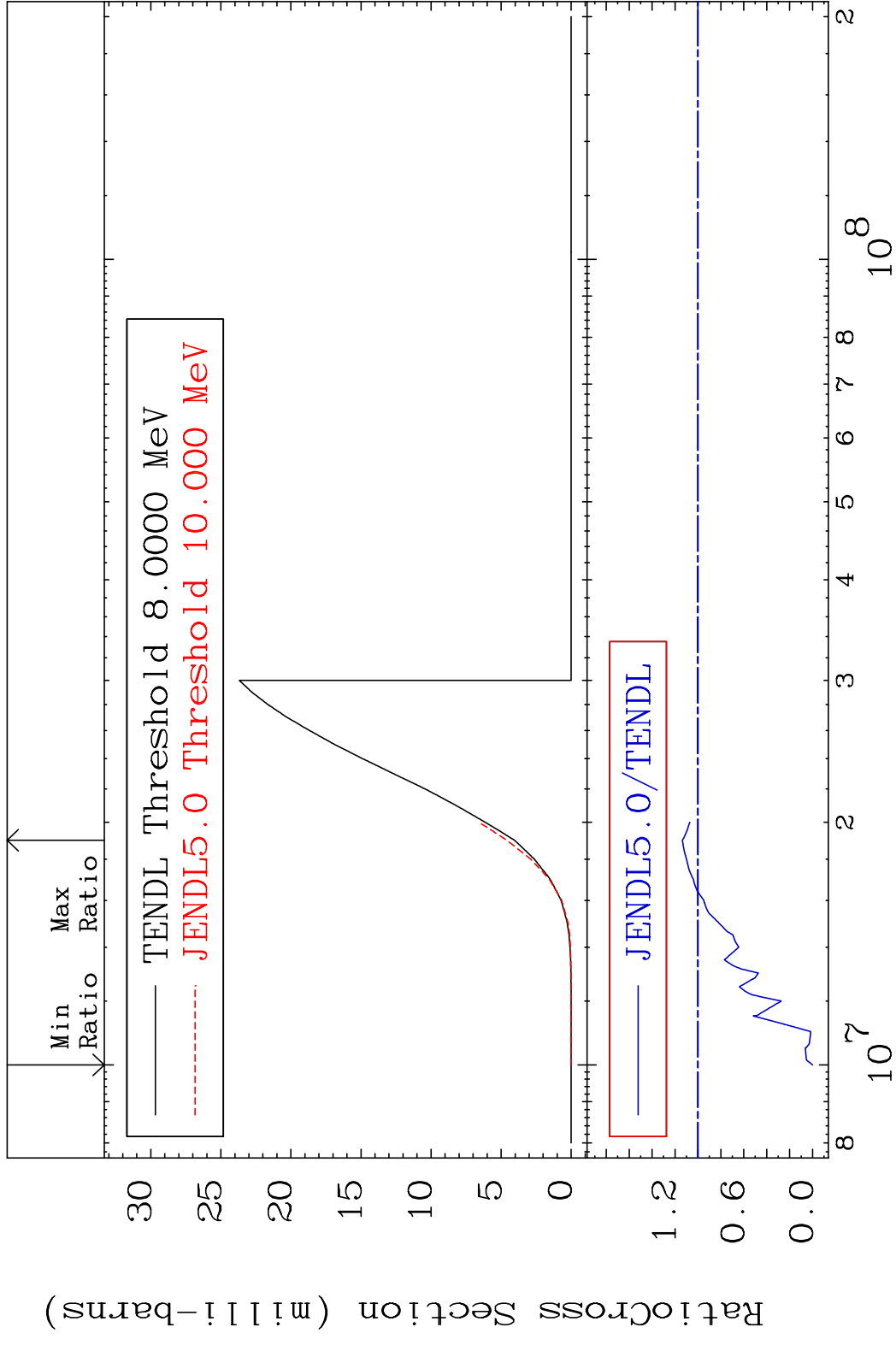
MAT 7234 Dpa inelastic (mt51-91) 72-Hf-177
 Cross Section -100.0 To 339.6 %



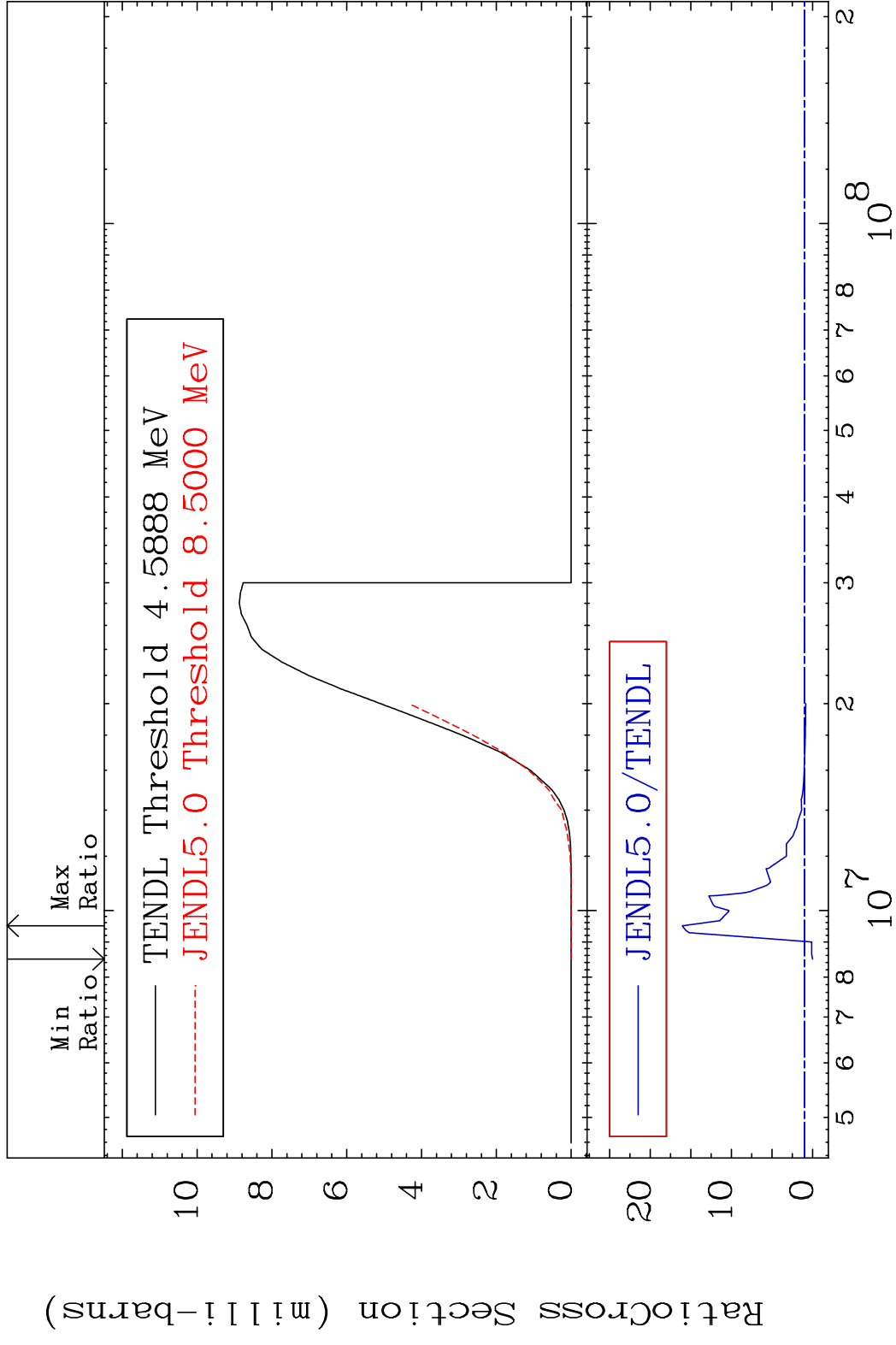
MAT 7234 Dpa disappearance (mt102 -120) 72-Hf-177
 Cross Section -97.80 To 9999. %

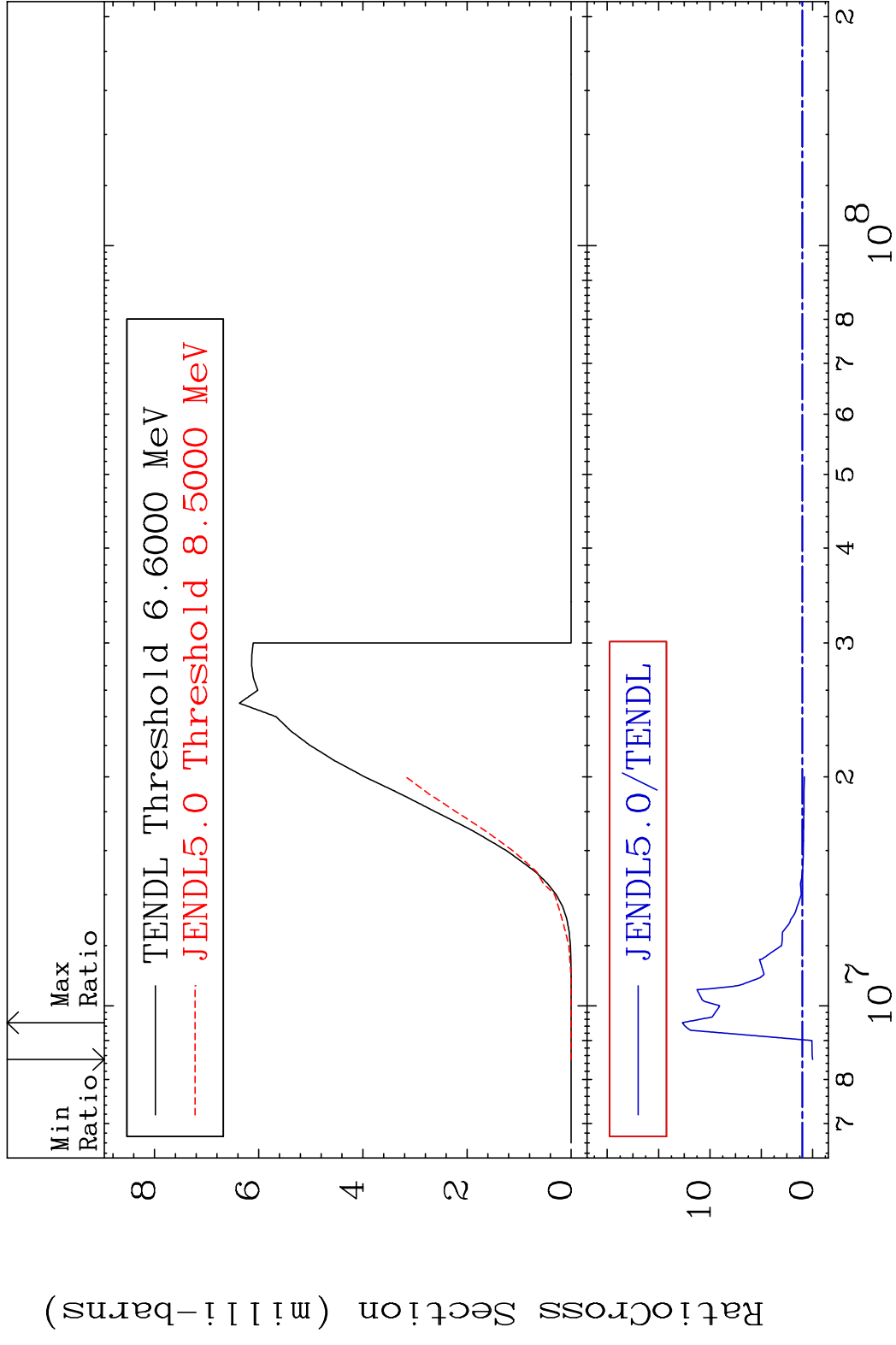






MAT 7234 (n, d):71-Lu-176g 72-Hf-177
 Radionuclide Production Cross Section 1504.10 %

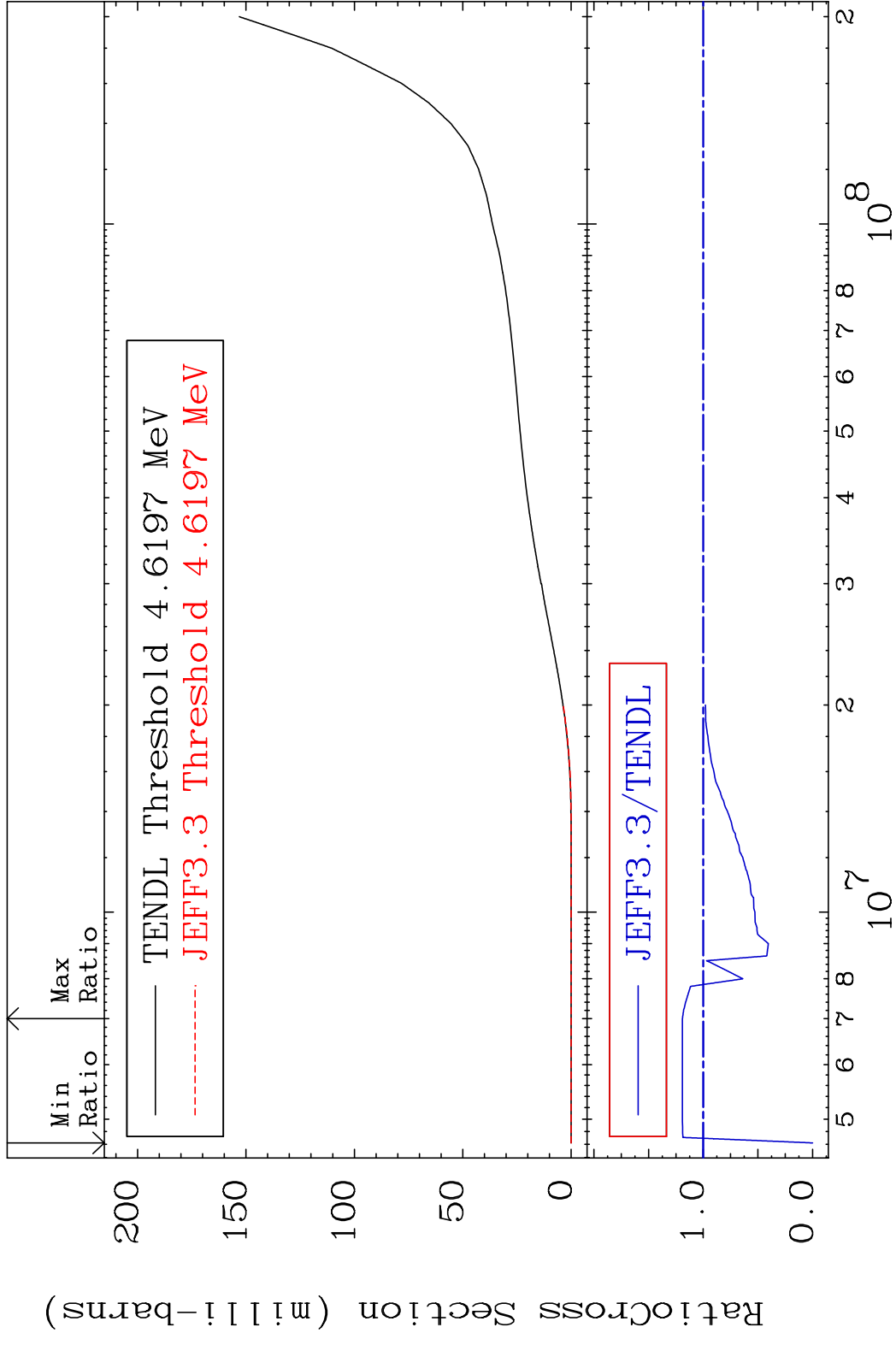




MAT 7234

Tritium Production
Cross Section -100.0 To 19.11 %

72-Hf-177

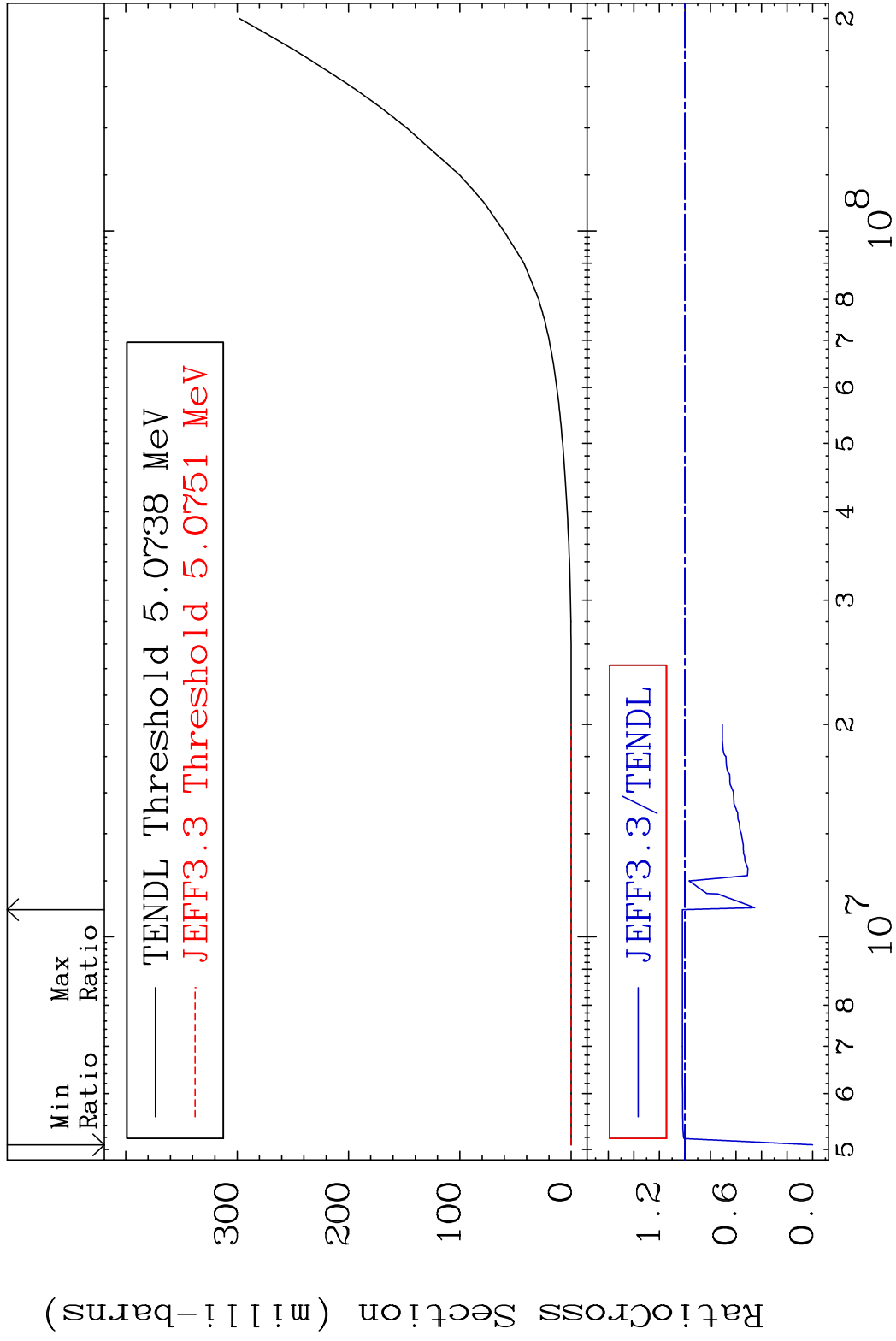


52

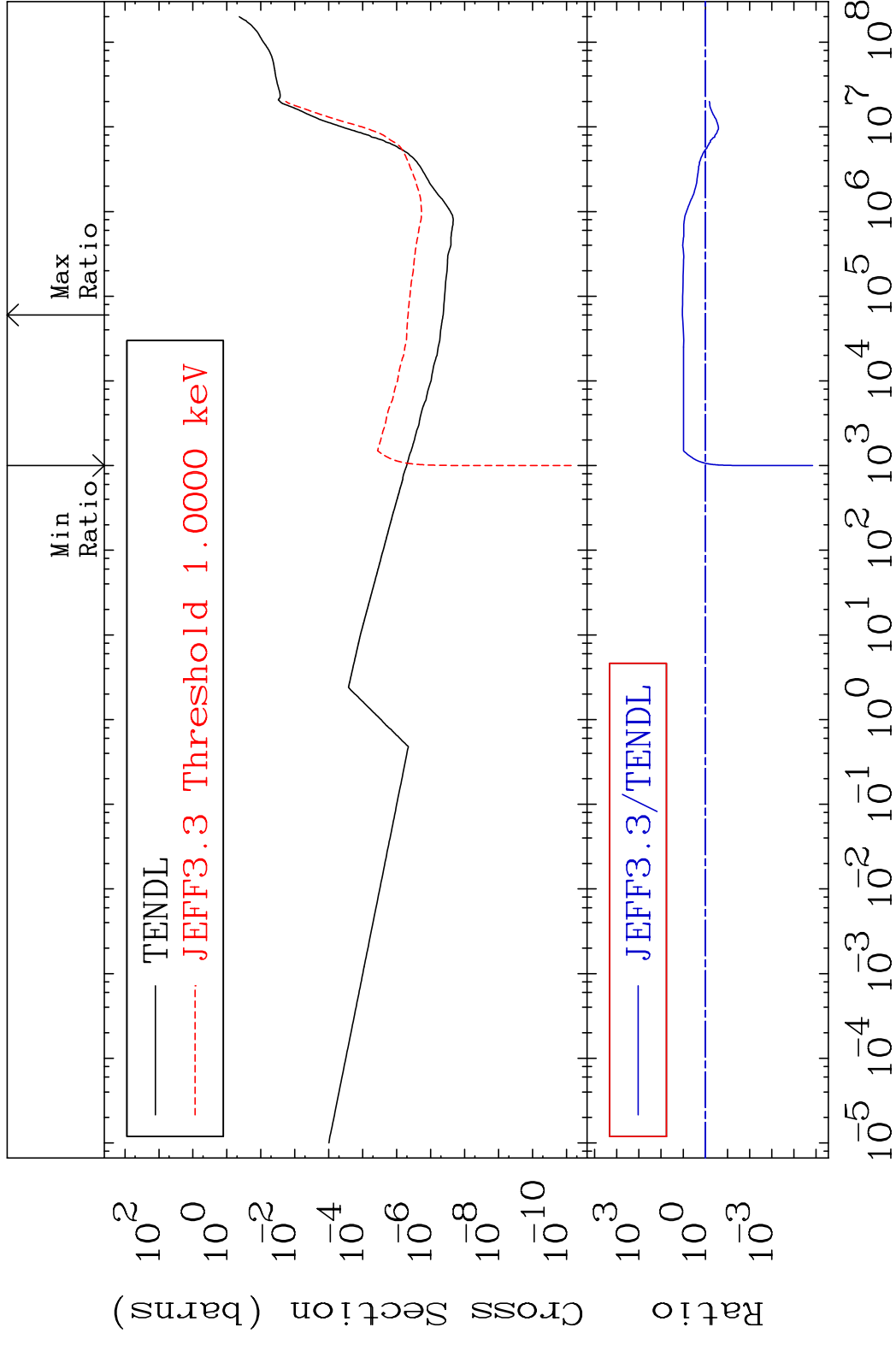
Incident Energy (eV)

72-Hf-177

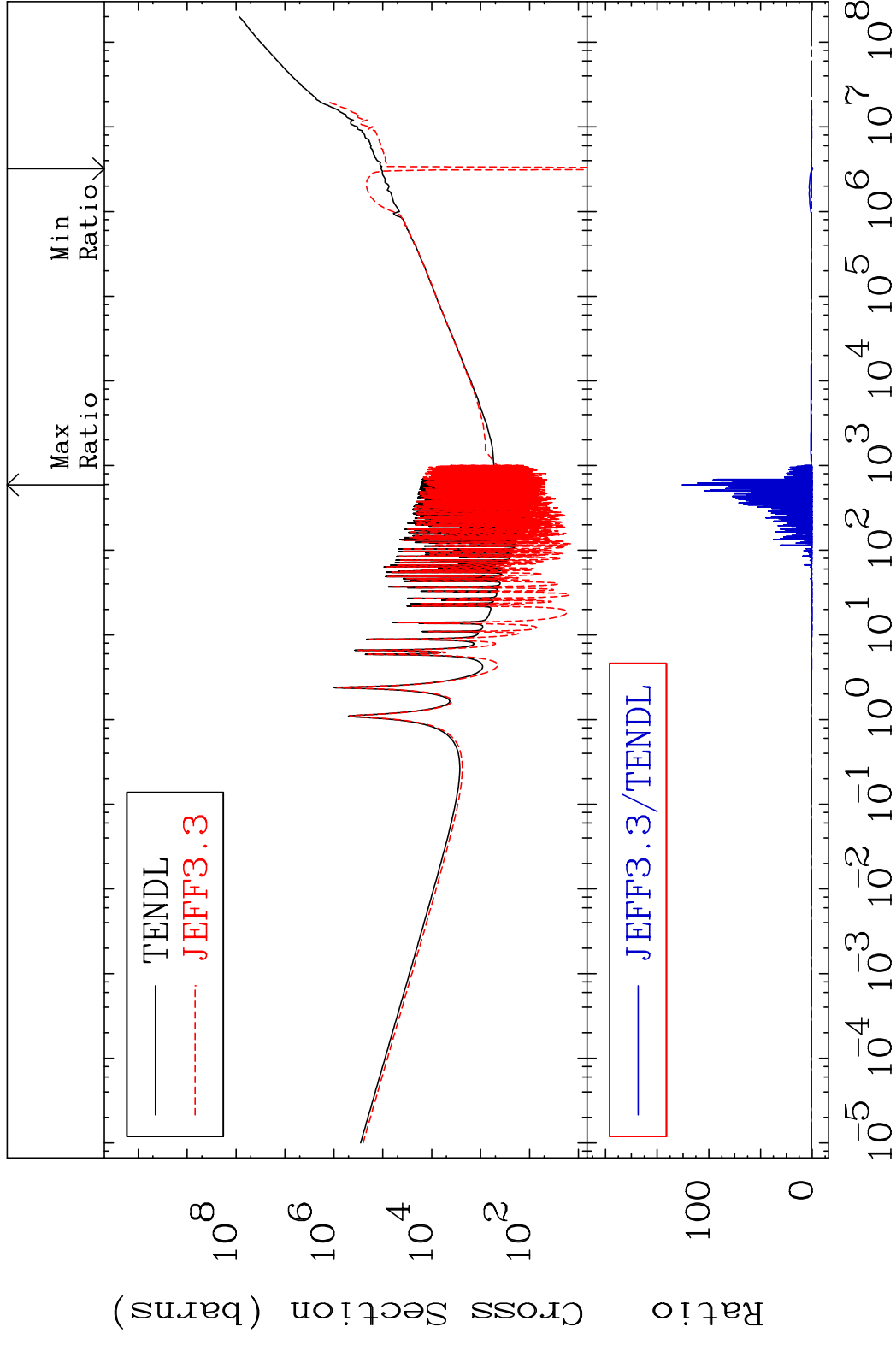
Cross Section -100.0 To 2.001 %



MAT 7234 He-4 Production 72-Hf-177
 Cross Section -100.0 To 991.6 %



MAT 7234 Kerma total (eV-barns) 72-Hf-177
 Cross Section -136.5 To 9999. %

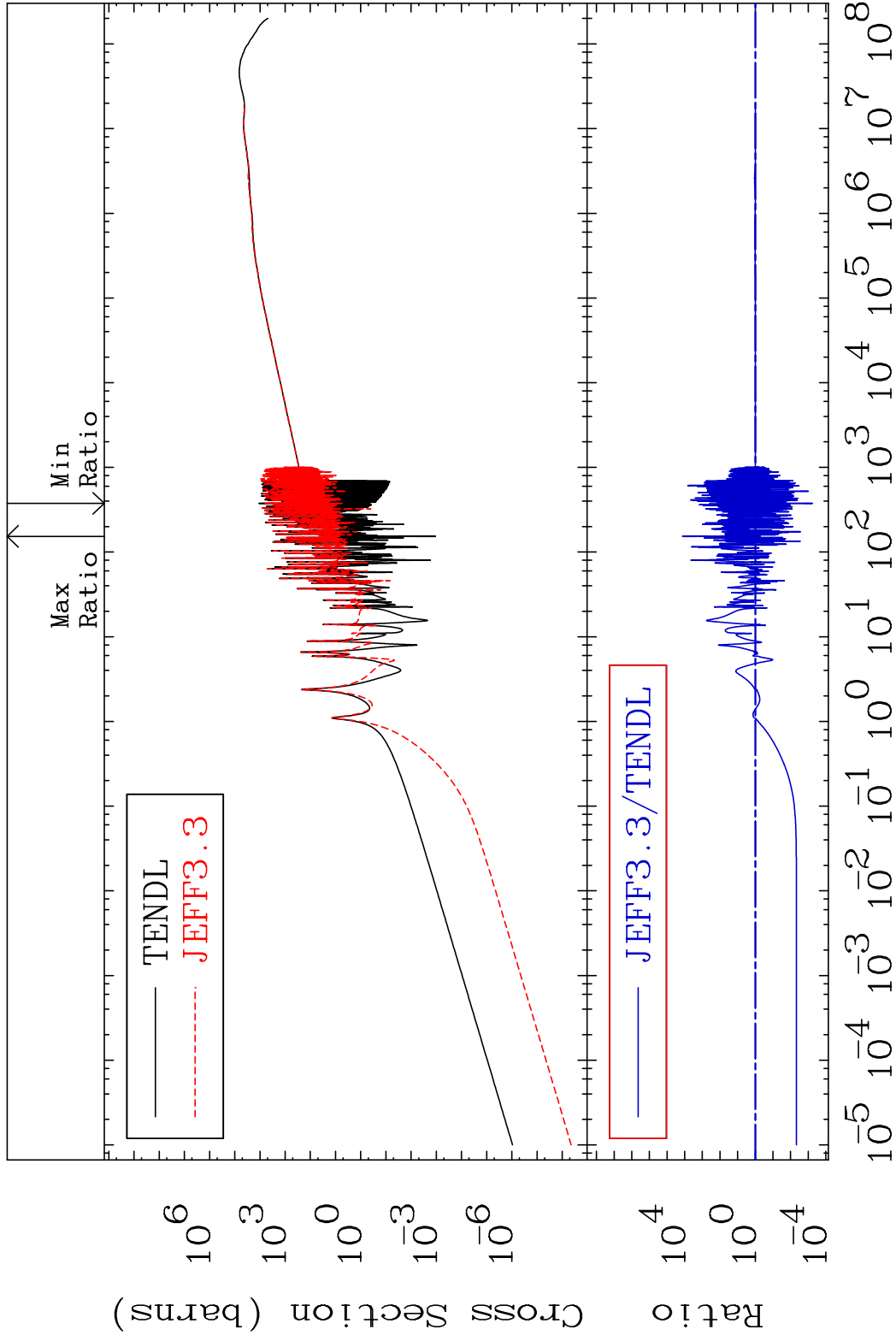


MAT 7234

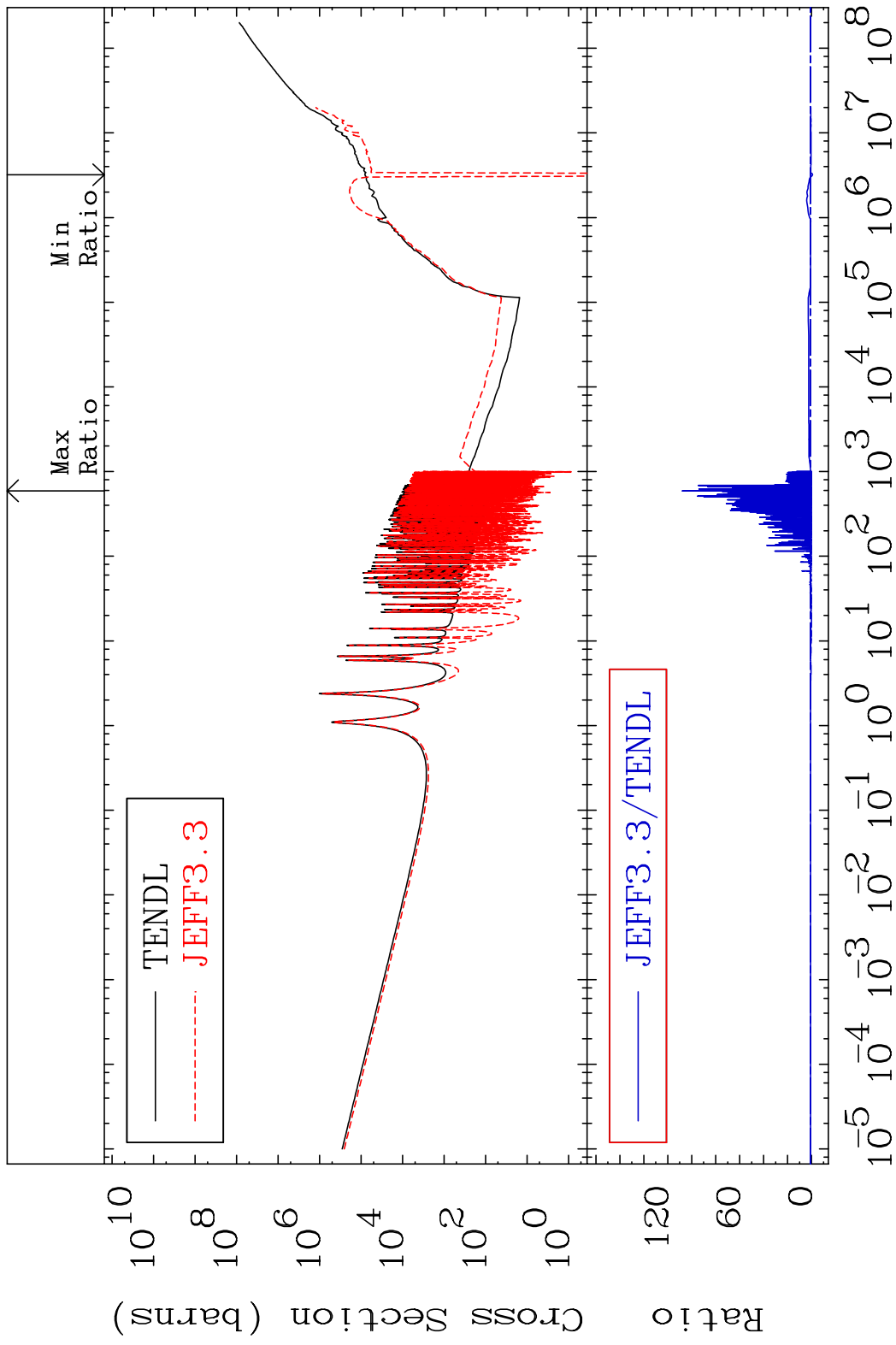
Kerma elastic

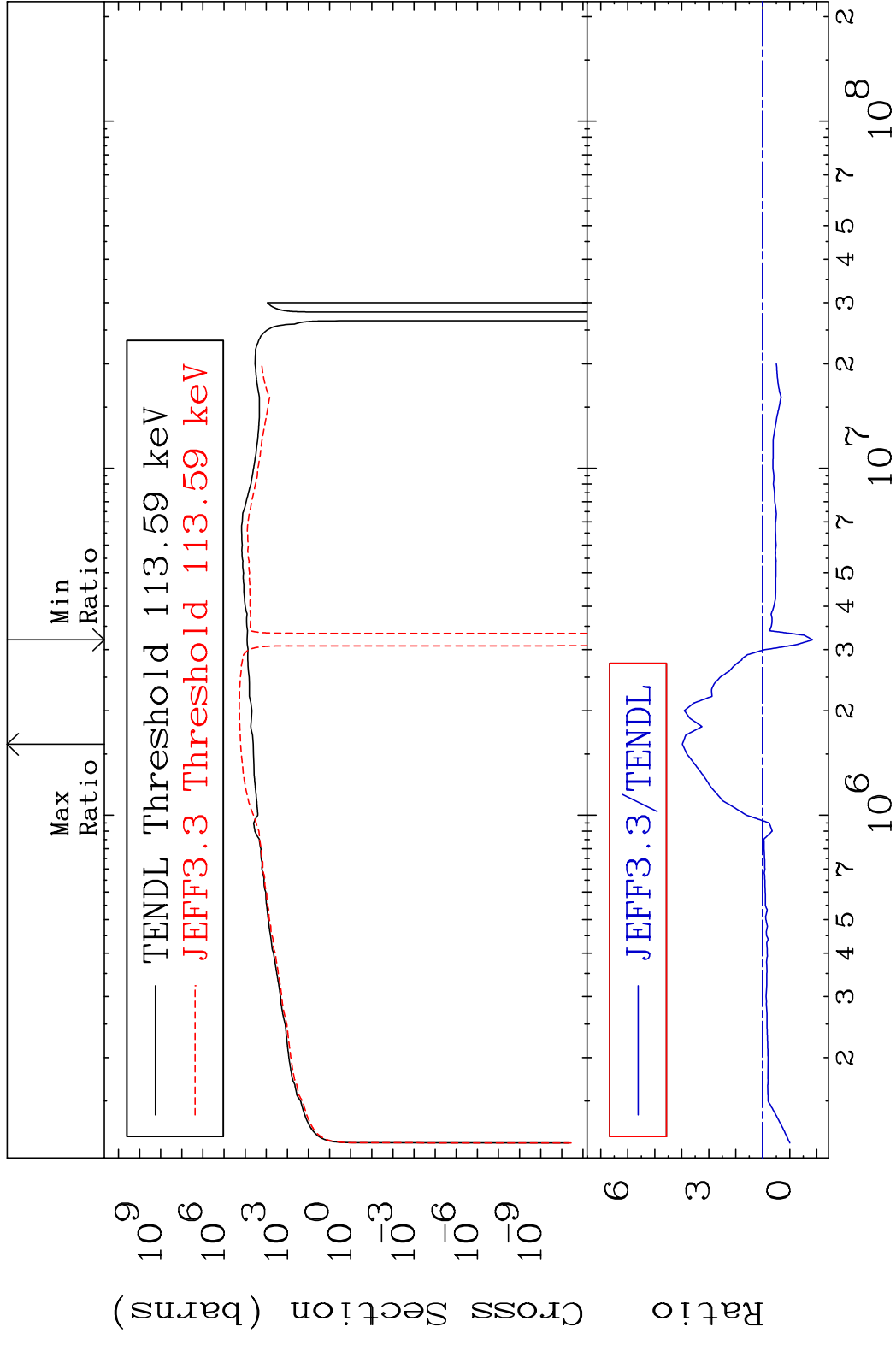
72-Hf-177

Cross Section -99.94 To 9999. %

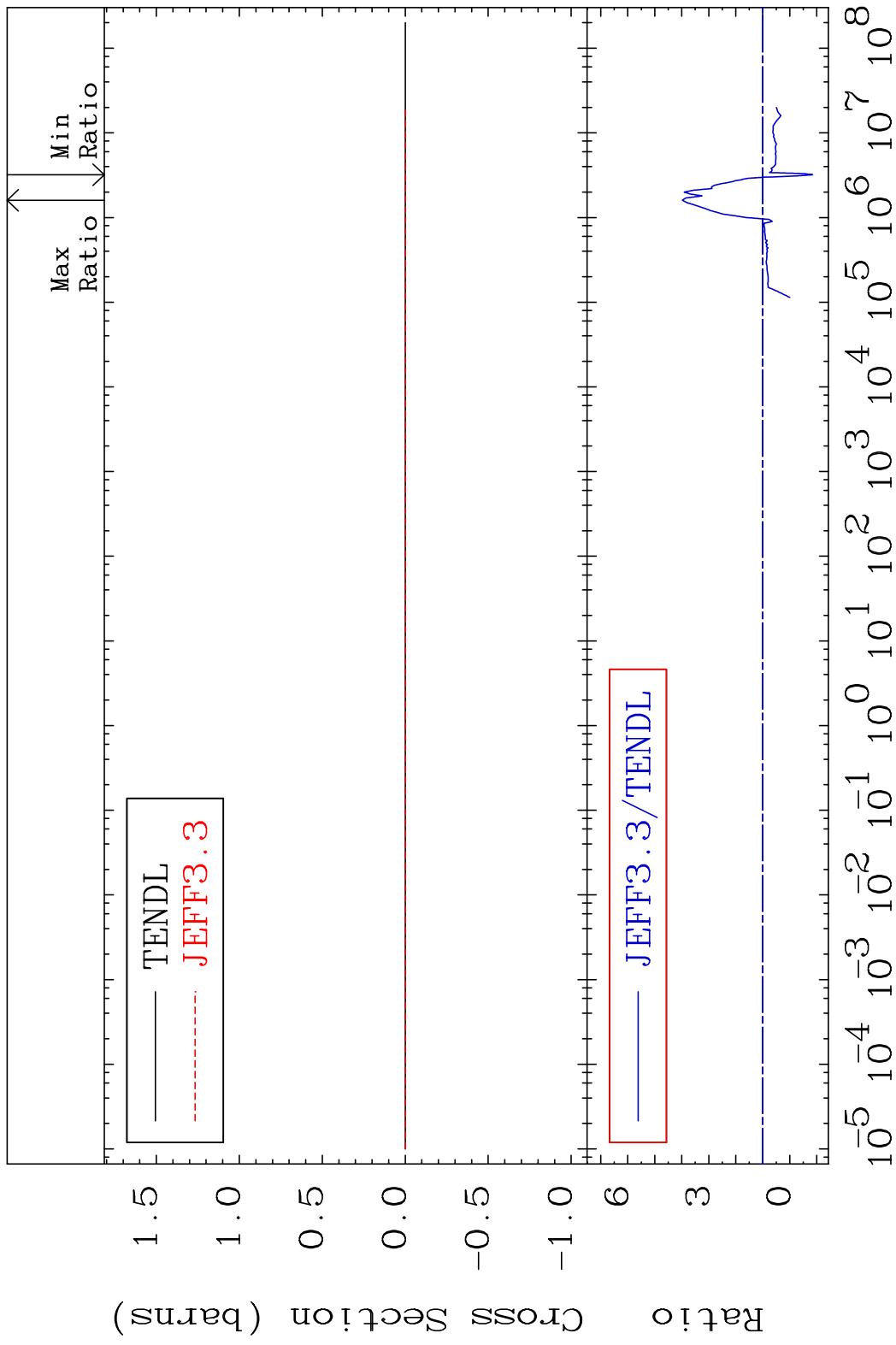


MAT 7234 Kerma non-elastic (all but mt2) 72-Hf-177
 Cross Section -184.4 To 9999. %





MAT 7234 Kerma fission (mt18 or mt19-20-21-38)72-Hf-177
 Cross Section -184.5 To 297.7 %

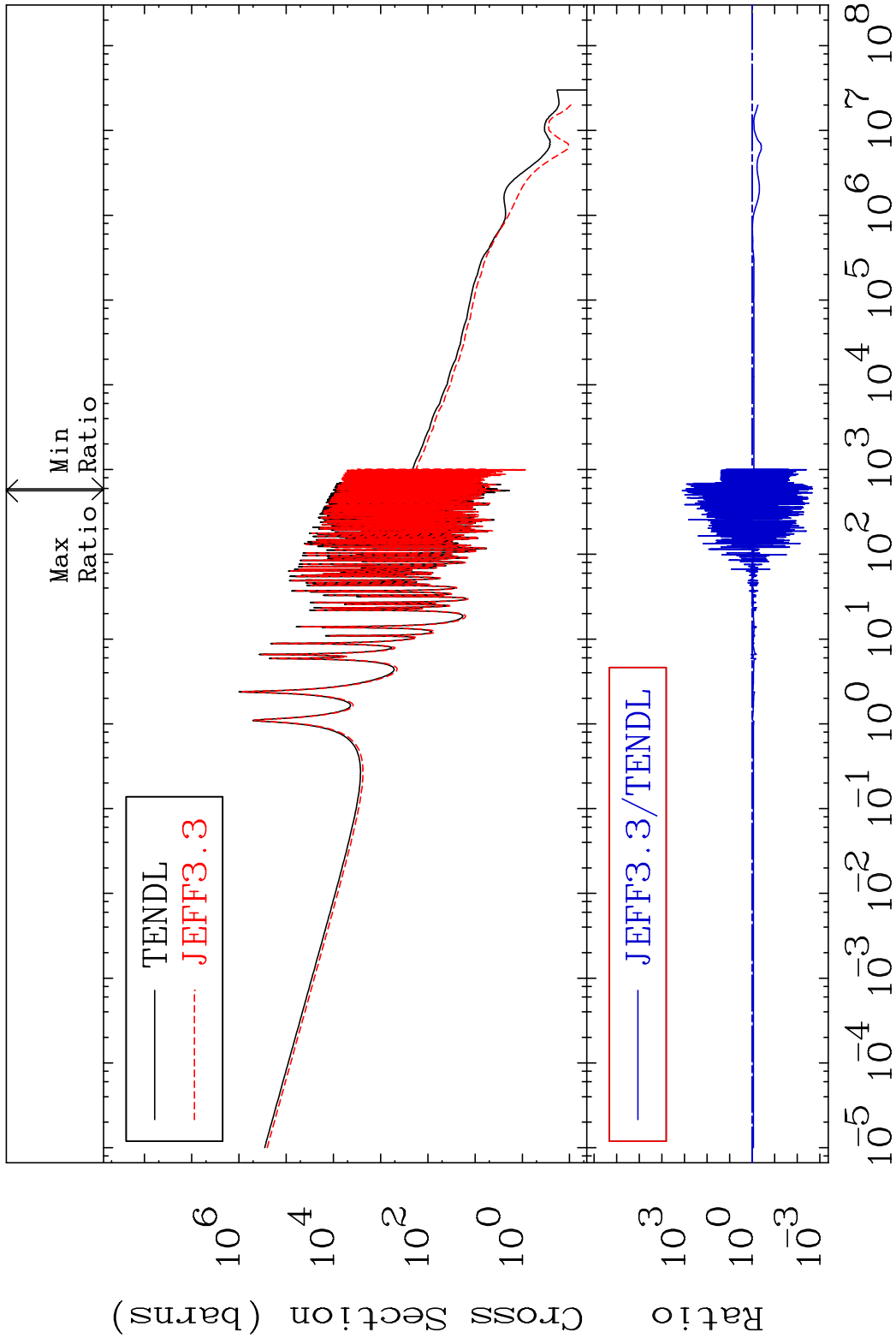


MAT 7234

Kerma capture (mt102)

72-Hf-177

Cross Section -99.79 To 9999. %

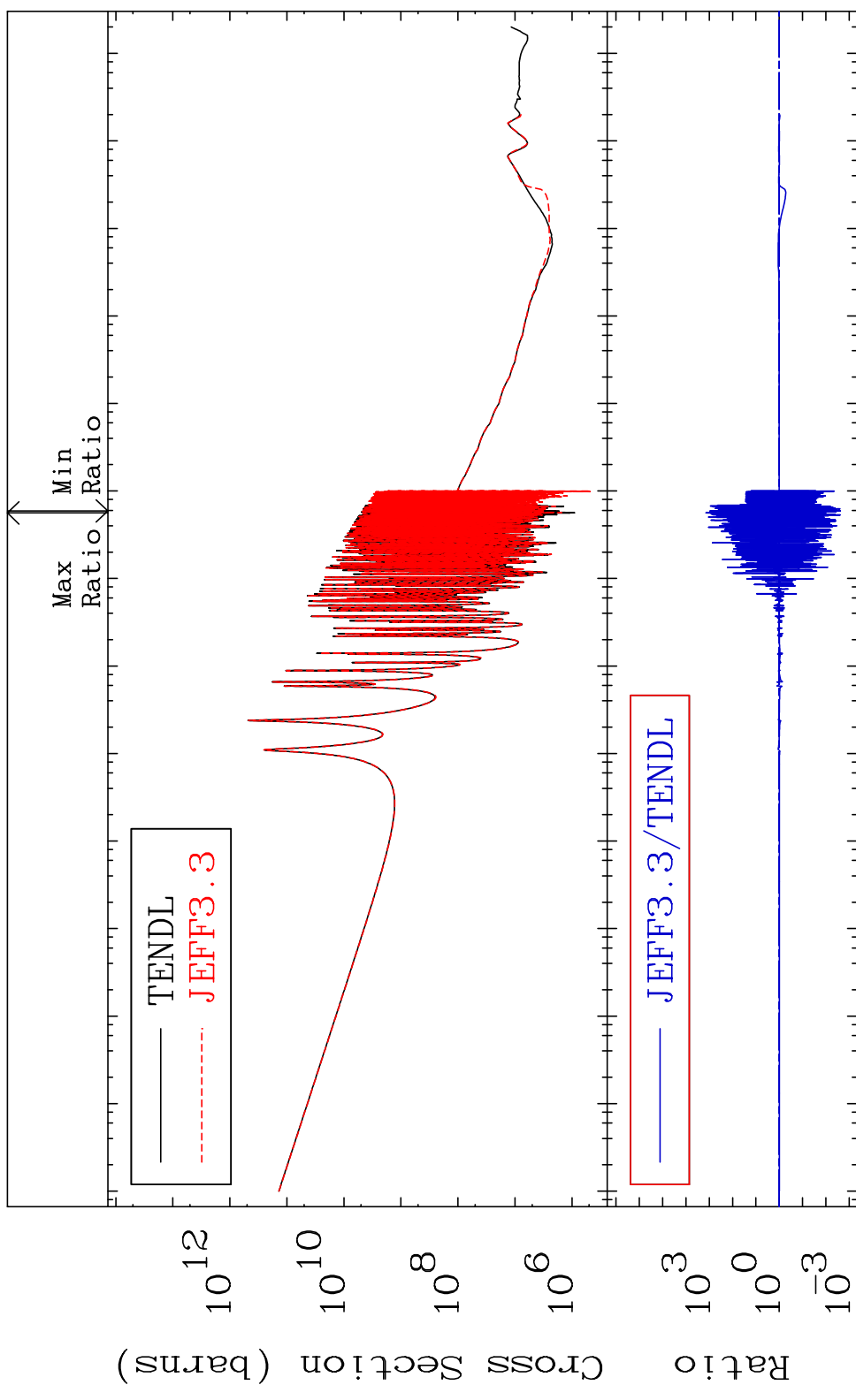


MAT 7234

Total photon (eV-barns)

72-Hf-177

Cross Section -99.76 To 9999. %

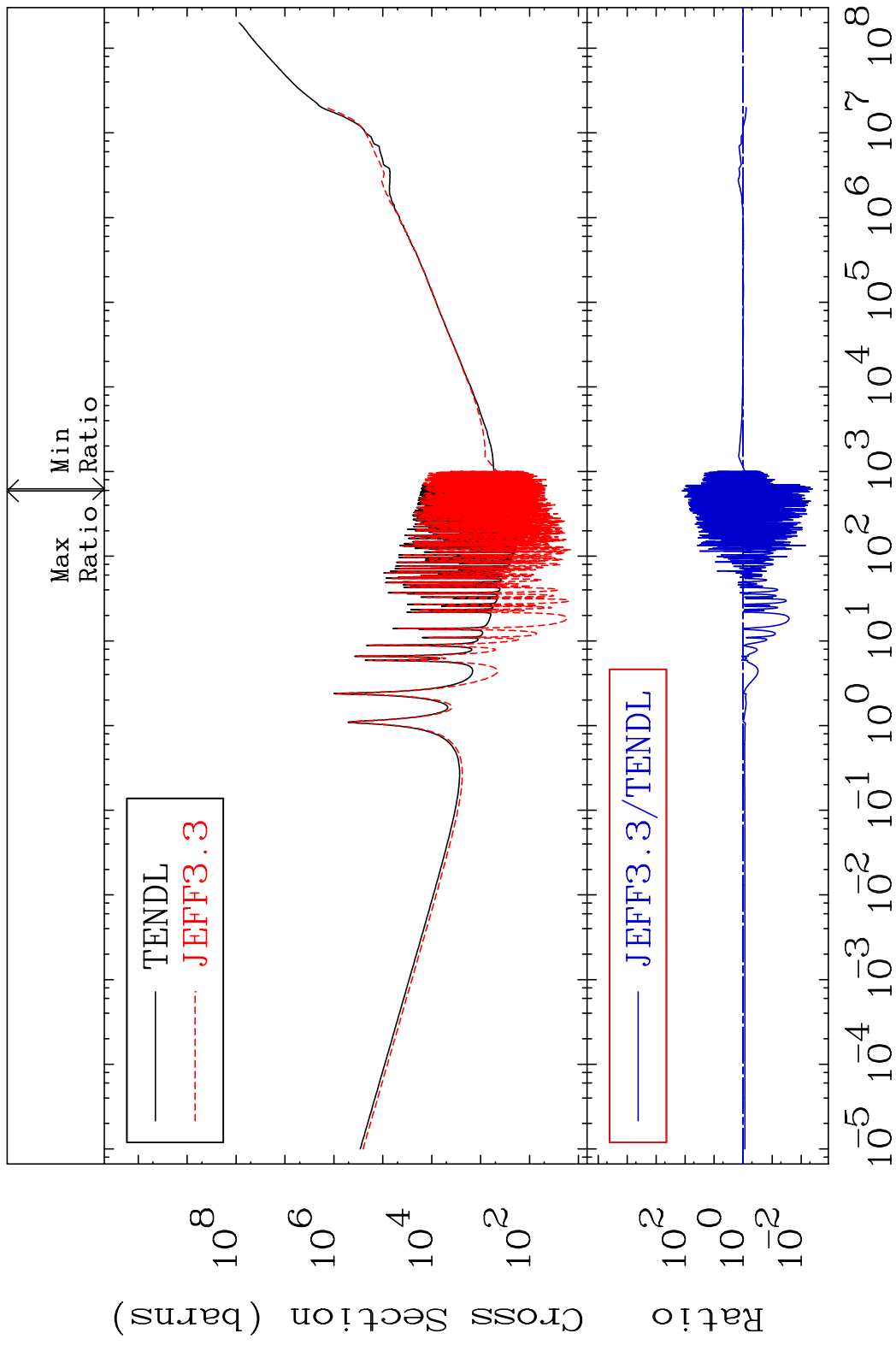


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Incident Energy (eV)

72-Hf-177

MAT 7234 Total kinematic kerma (high limit) 72-Hf-177
 Cross Section -99.60 To 9999. %

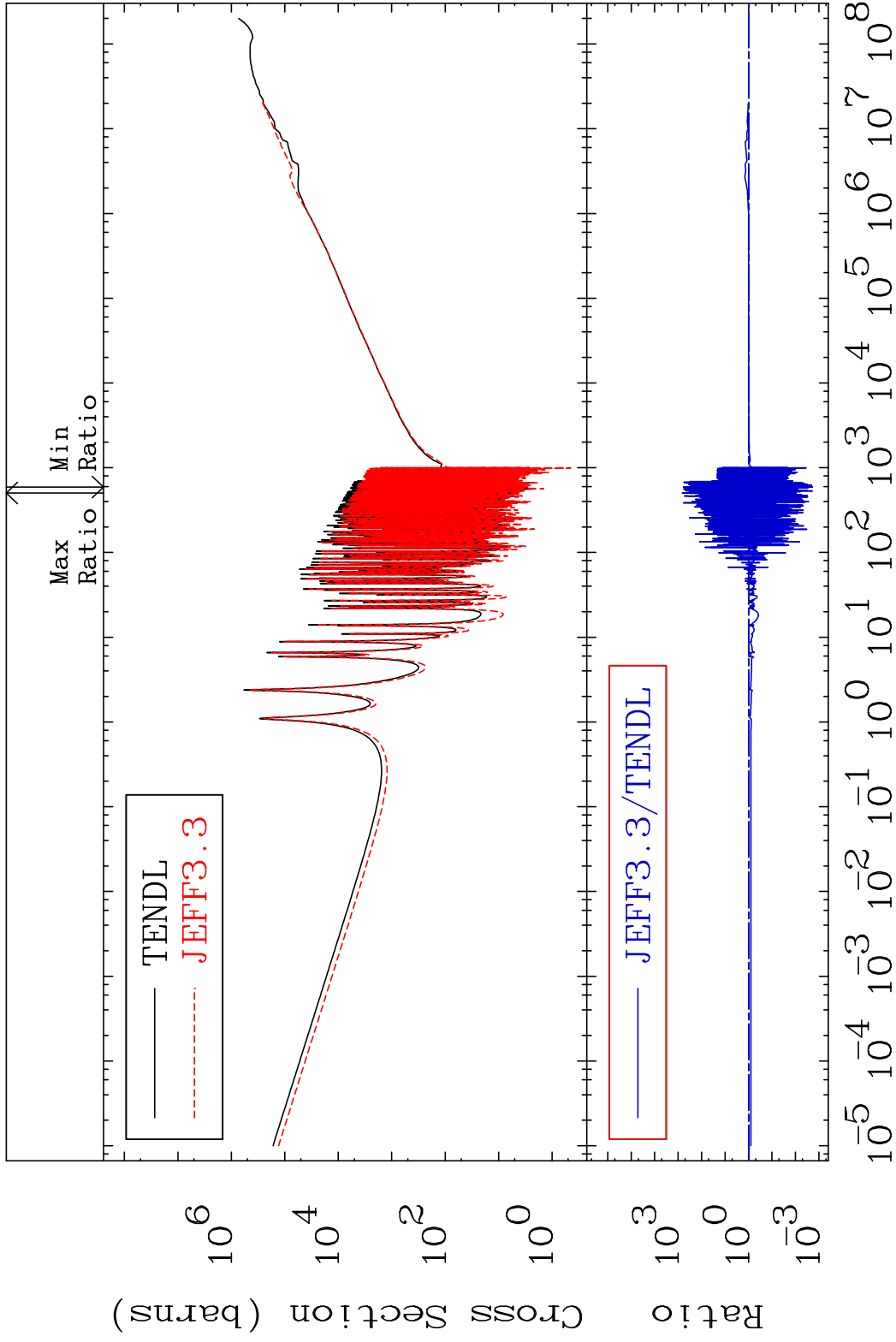


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -99.81 To 9999. %



63

Incident Energy (eV)

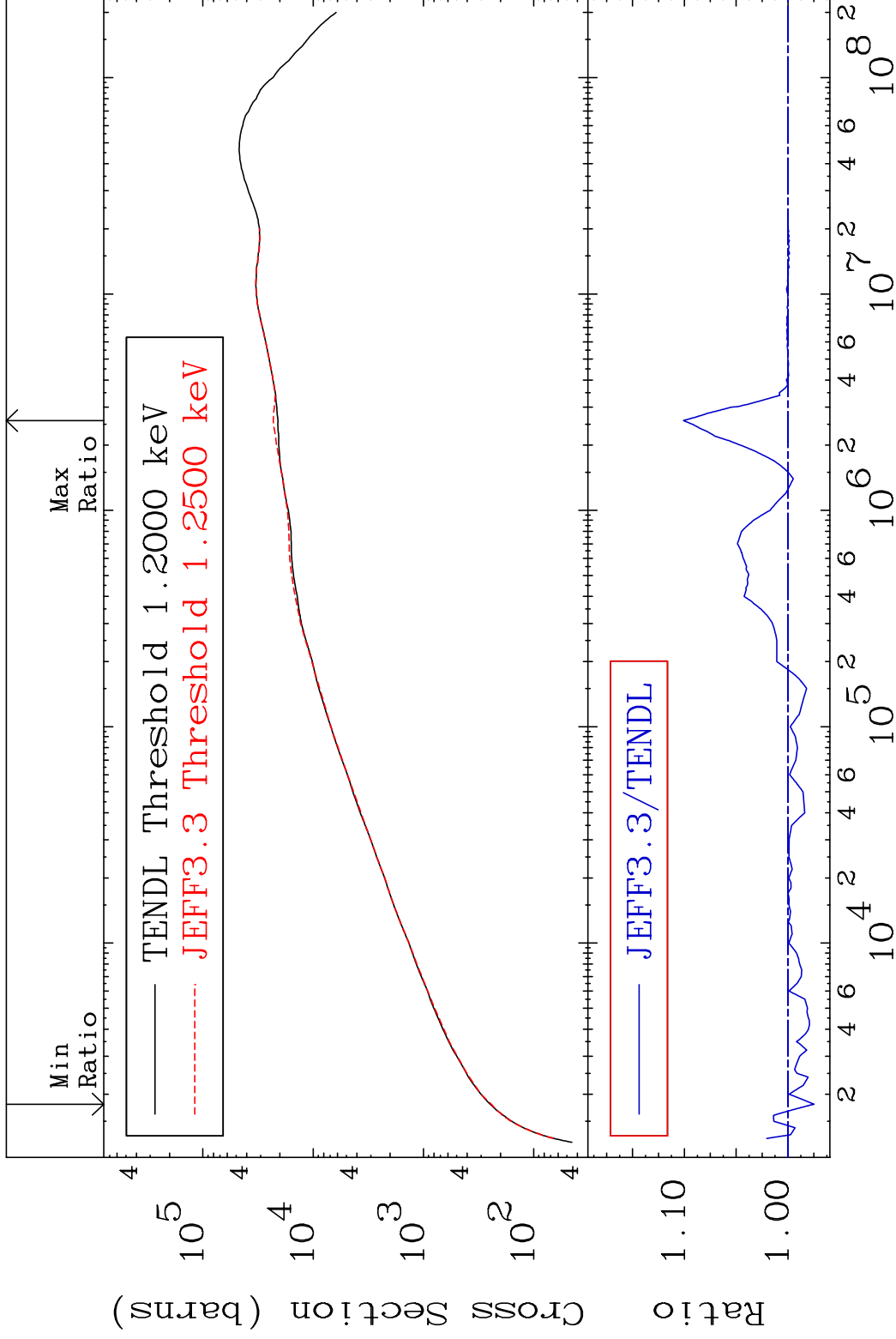
72-Hf-177

MAT 7234

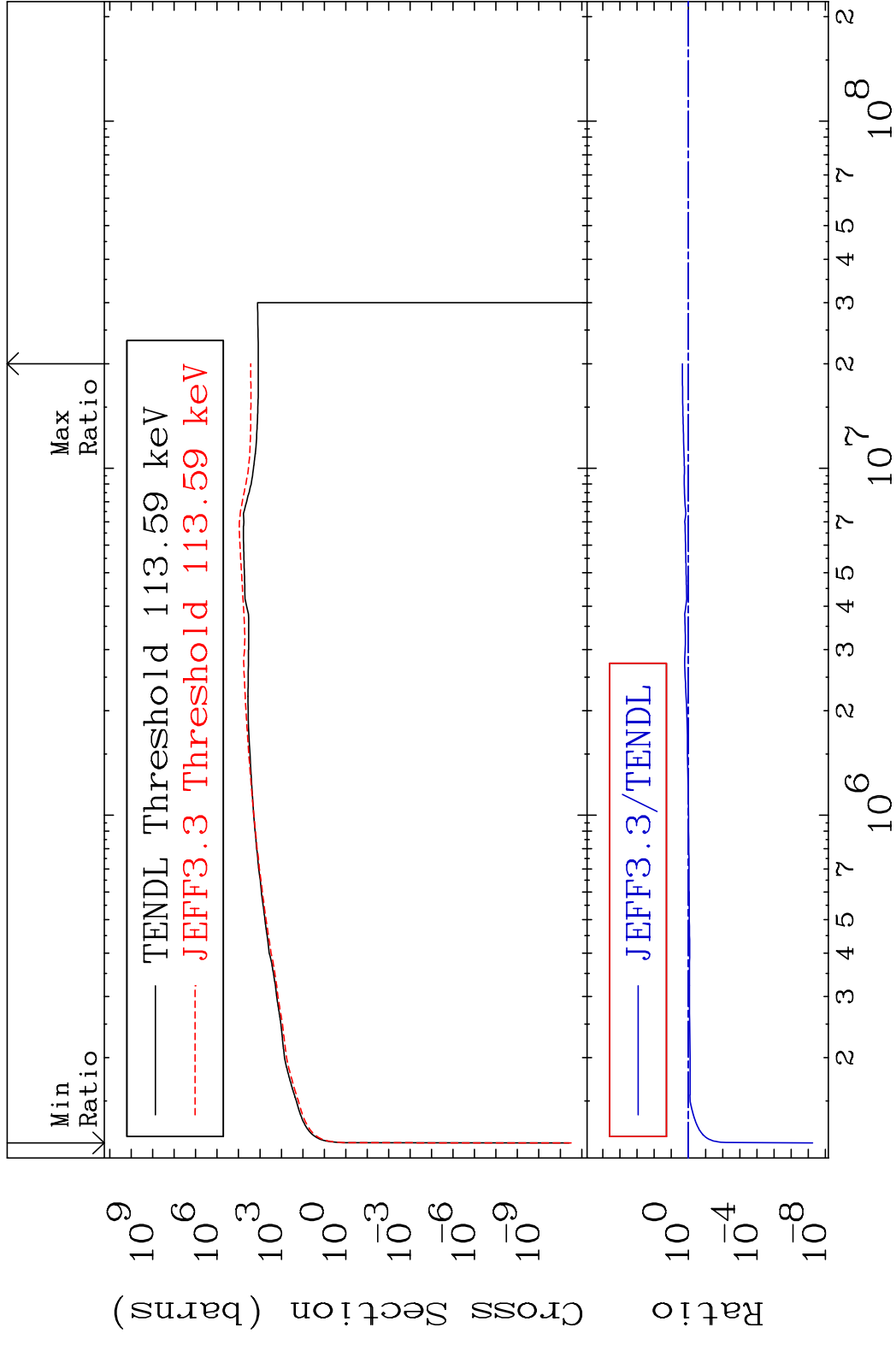
Dpa elastic (mt2)

72-Hf-177

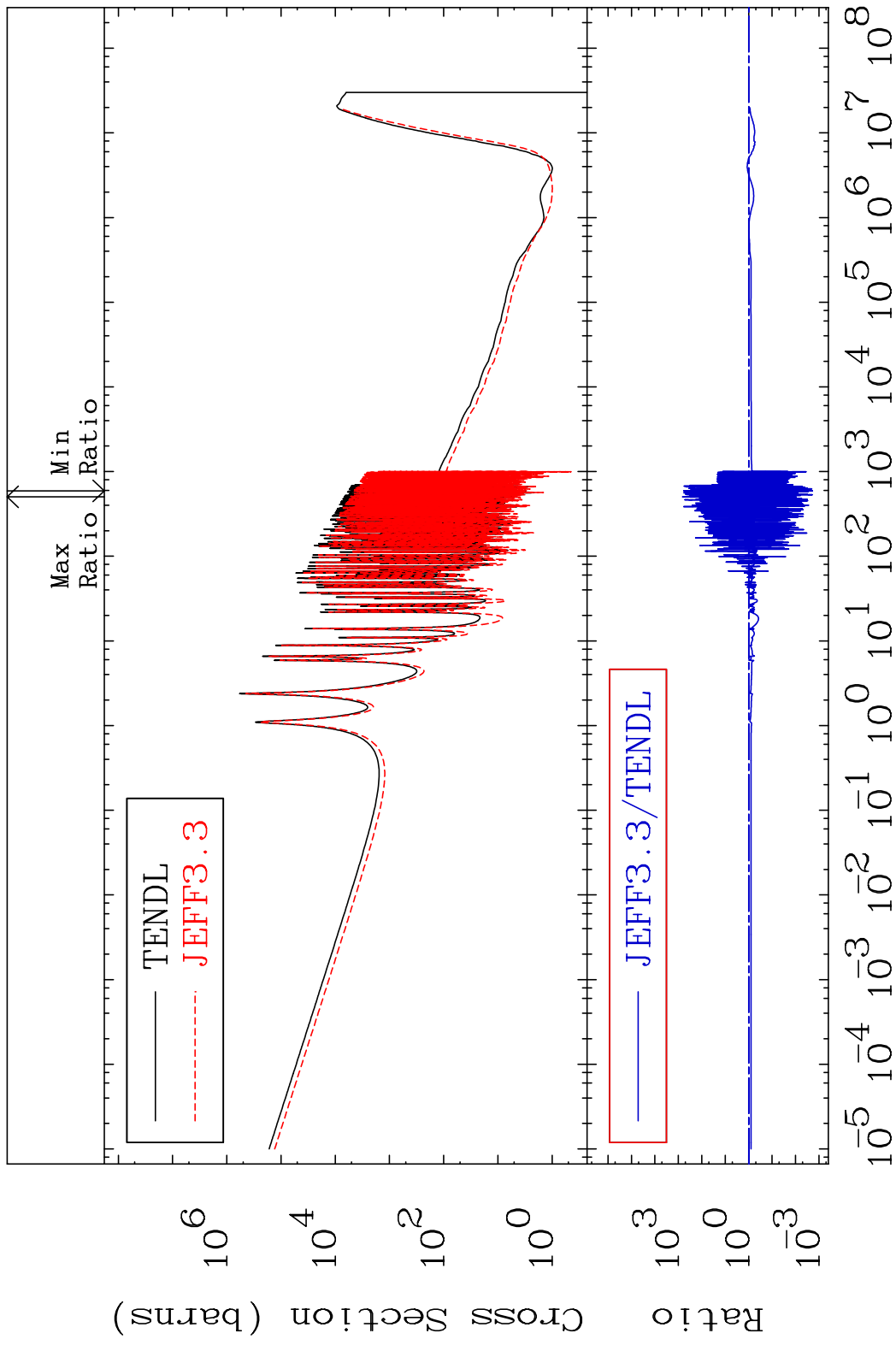
Cross Section -2.516 To 10.09 %

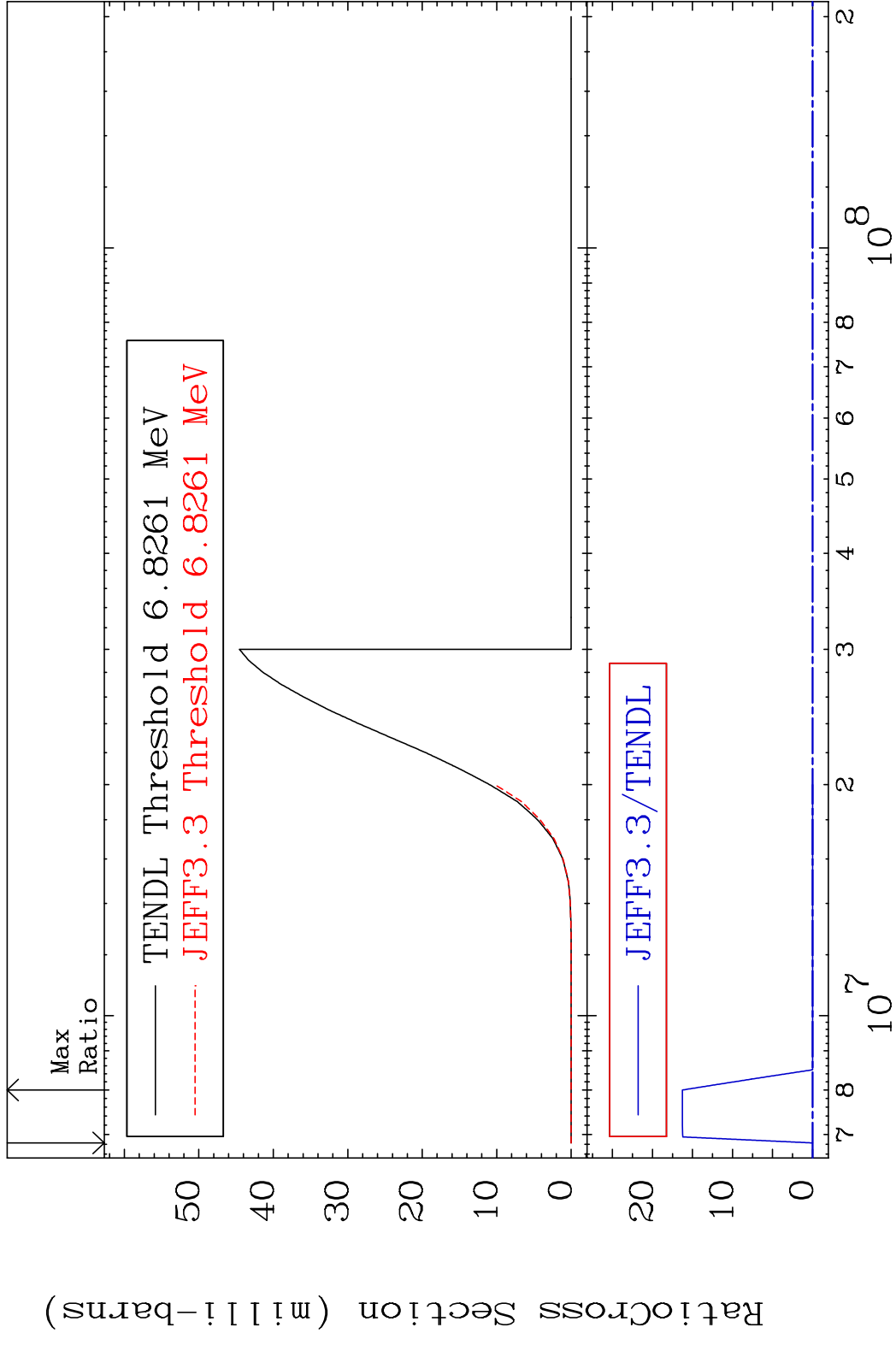


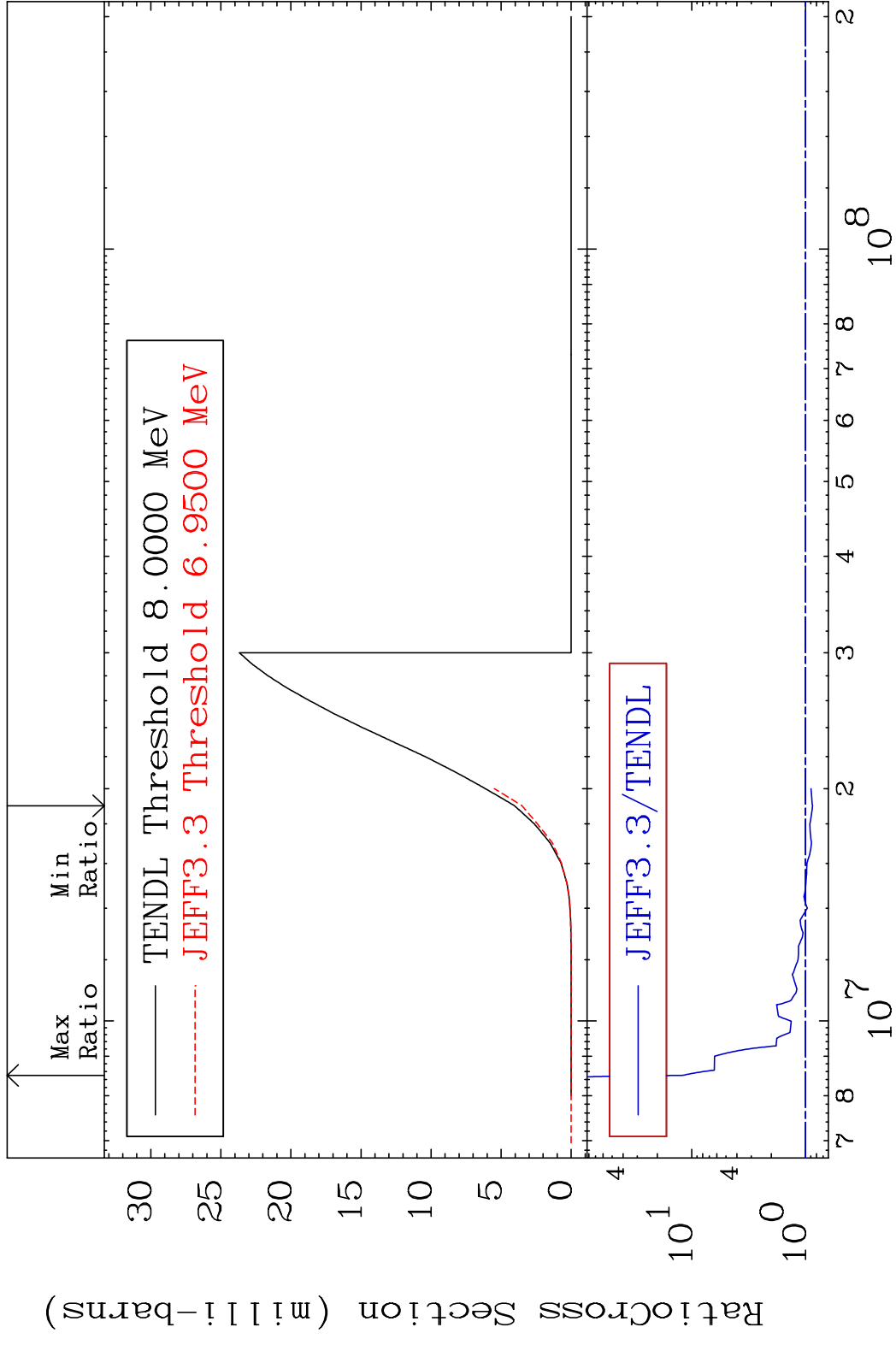
MAT 7234 Dpa inelastic (mt51-91) 72-Hf-177
 Cross Section -100.0 To 125.6 %



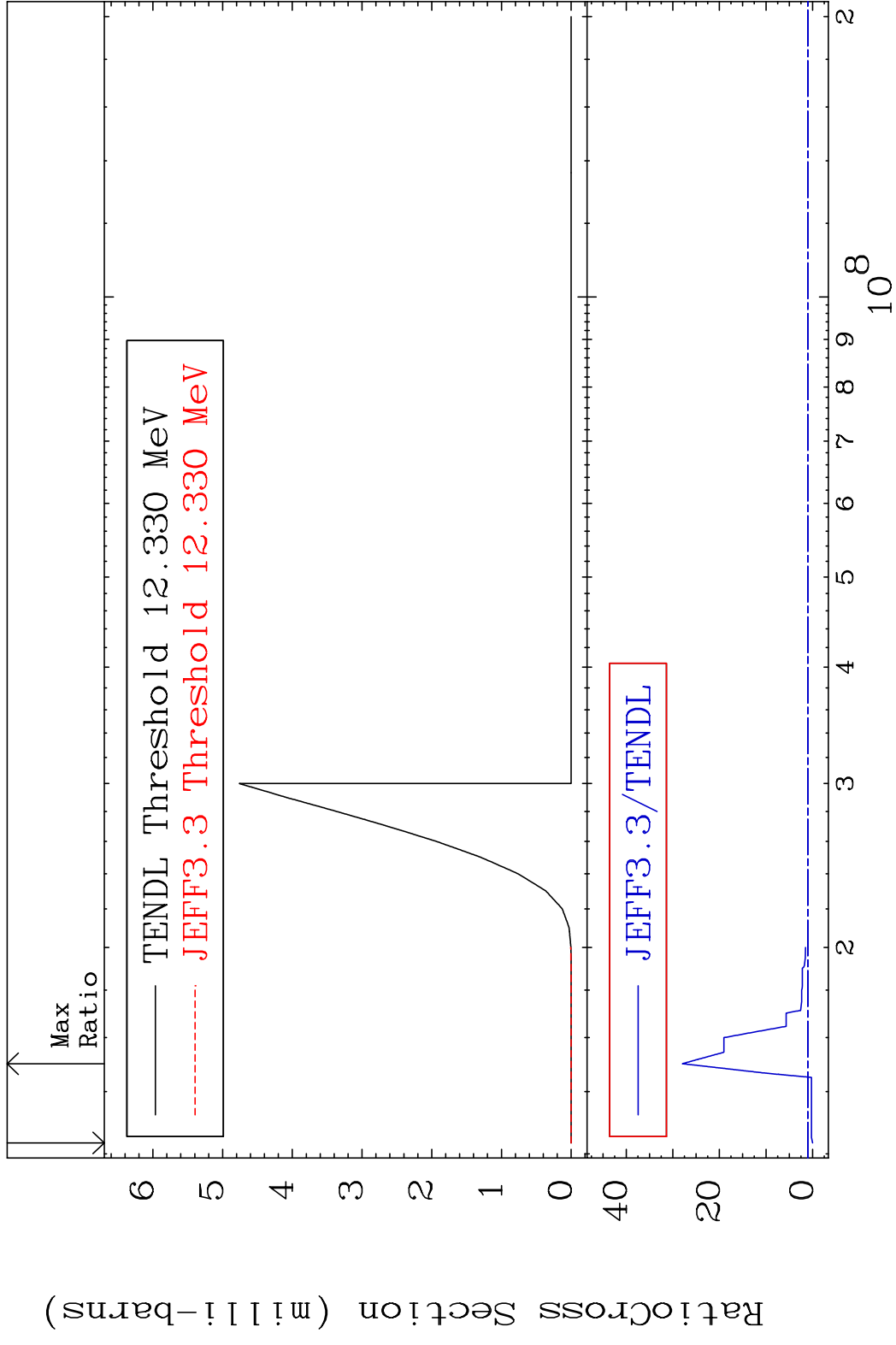
MAT 7234 Dpa disappearance (mt102 -120) 72-Hf-177
 Cross Section -99.81 To 9999. %

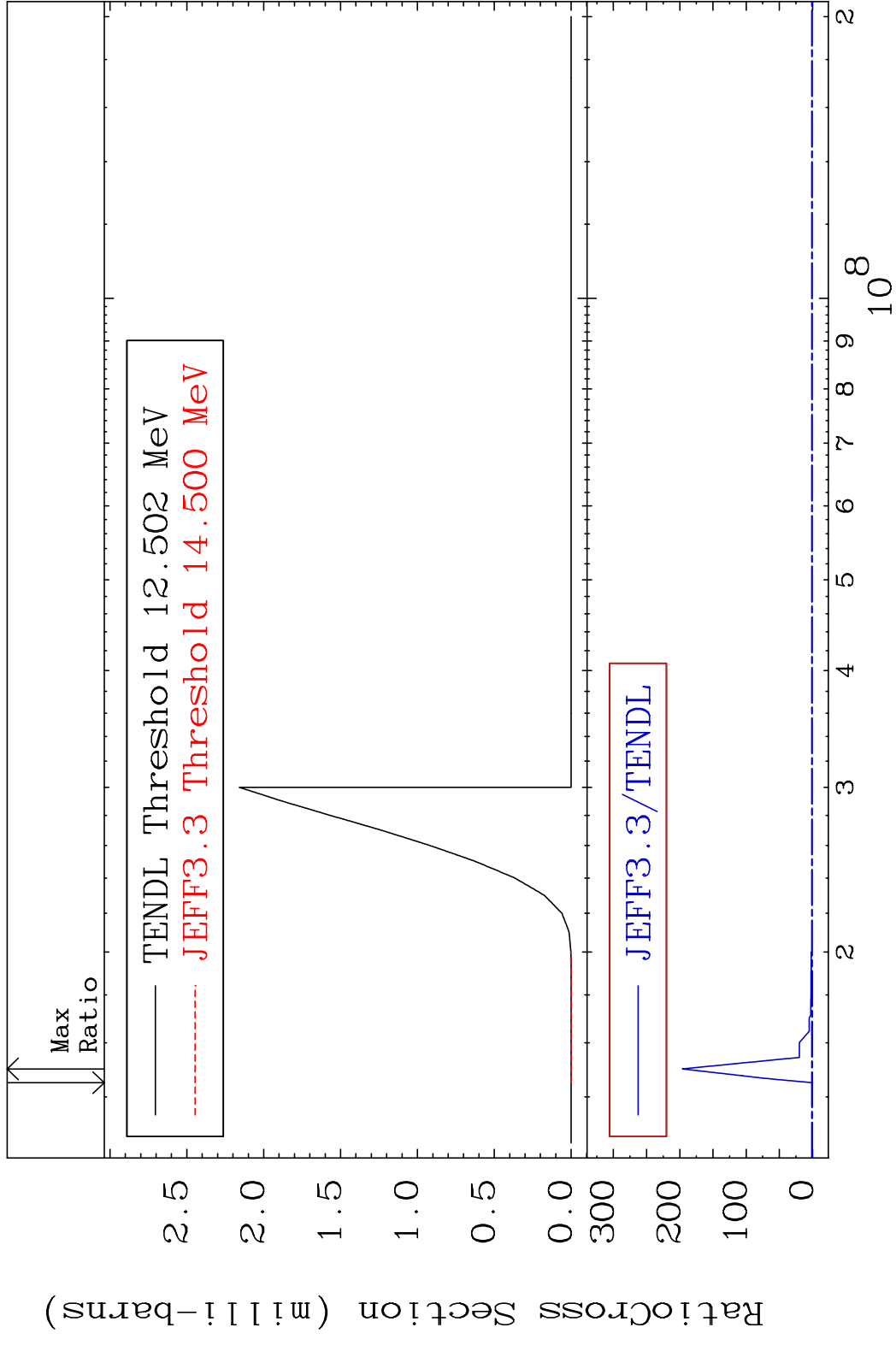




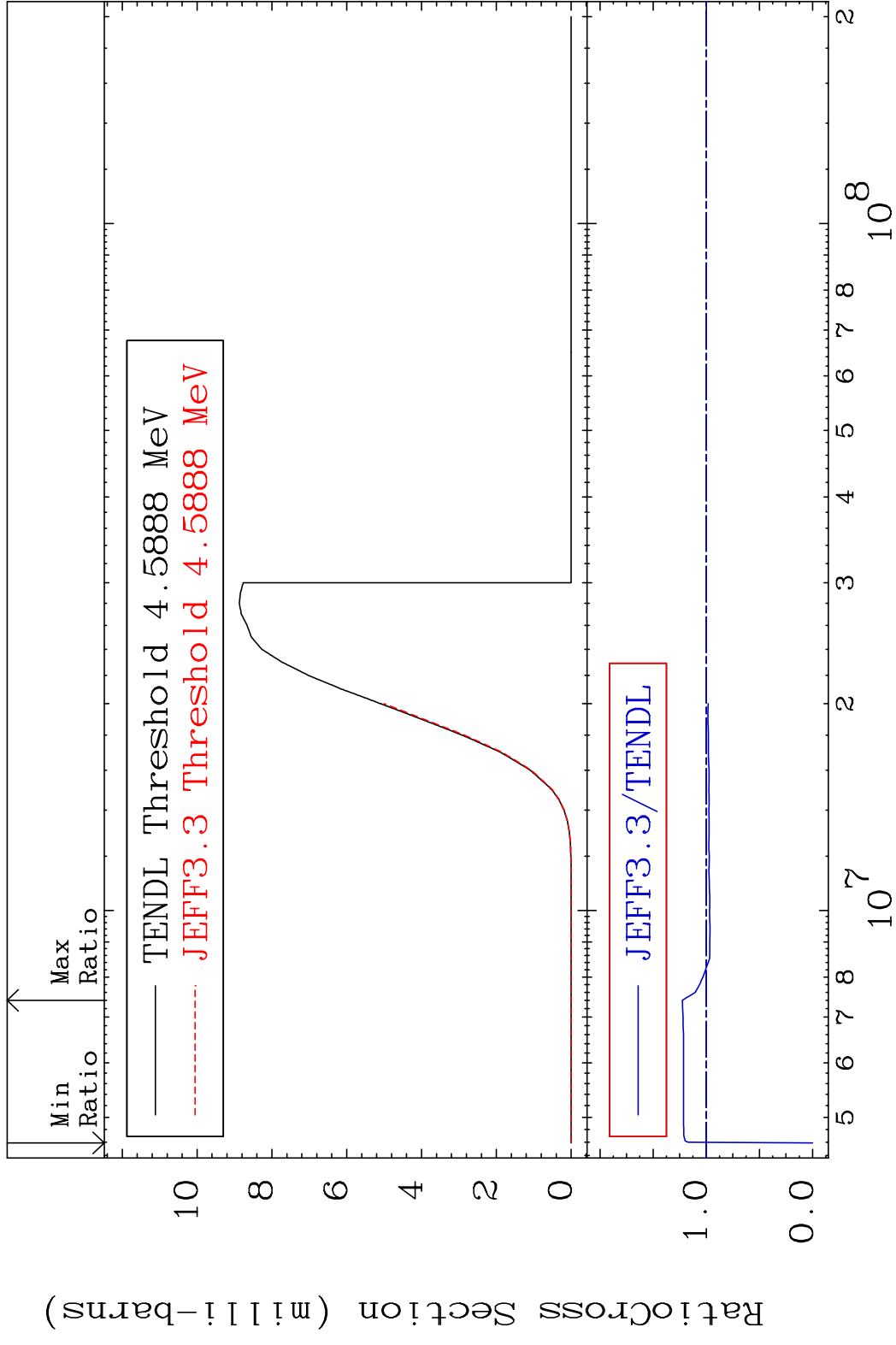


MAT 7234 (n, n') t:71-Lu-174g 72-Hf-177
 Radionuclide Production Cross Section Ratio 2695. %





MAT 7234 (n, d):71-Lu-176g 72-Hf-177
 Radionuclide Production Cross Section Ratio 22.49 %



MAT 7234 (n, d): 71-Lu-176m1 72-Hf-177
 Radionuclide Production Cross Section 22.25 %

