

Program Complot
(Version 2021-1)

by

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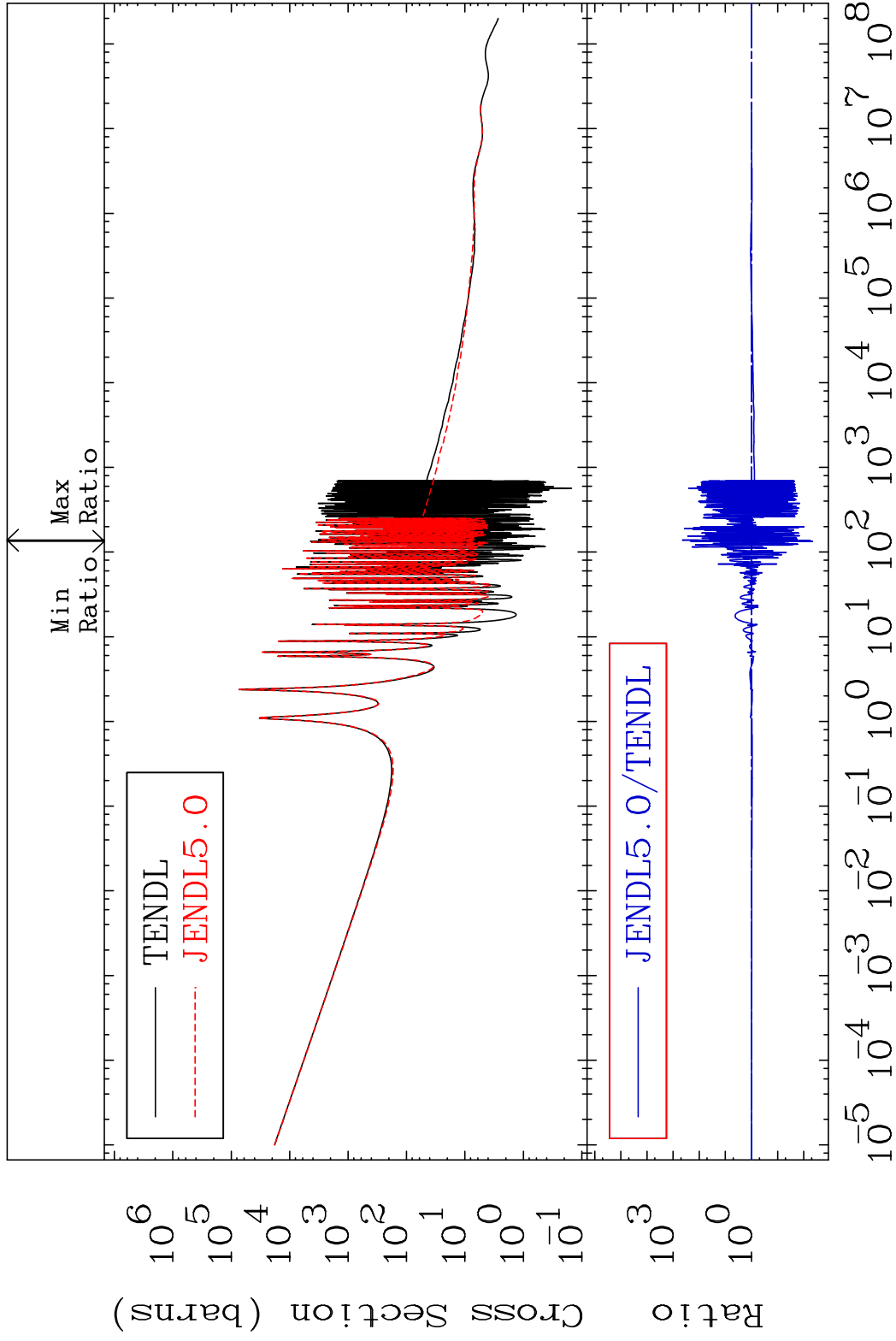
Press Mouse Button to Start

MAT 7234

Total

72-Hf-177

Cross Section -99.54 To 9999. %

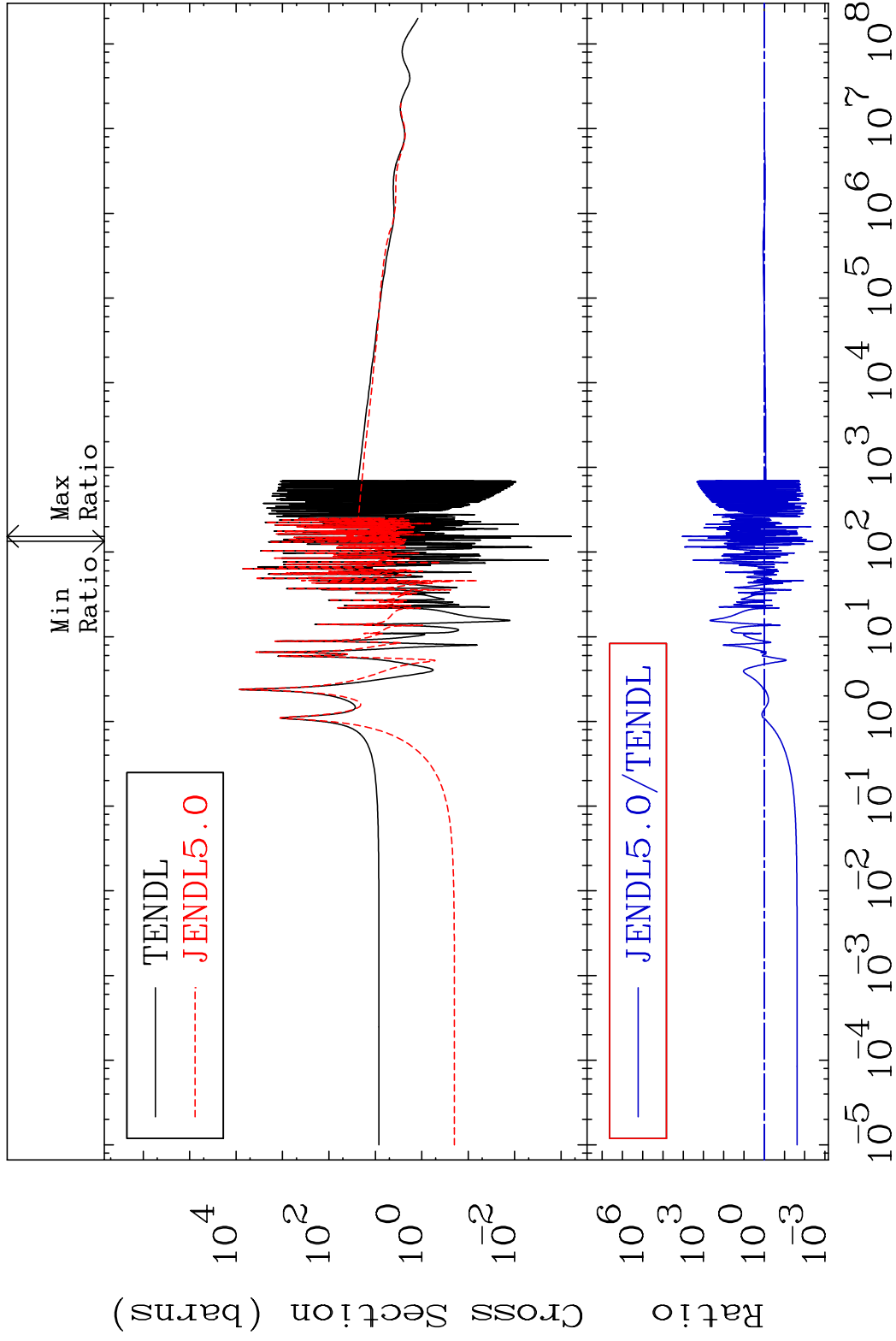


MAT 7234

Elastic

72-Hf-177

Cross Section -99.59 To 9999. %



2

Incident Energy (eV)

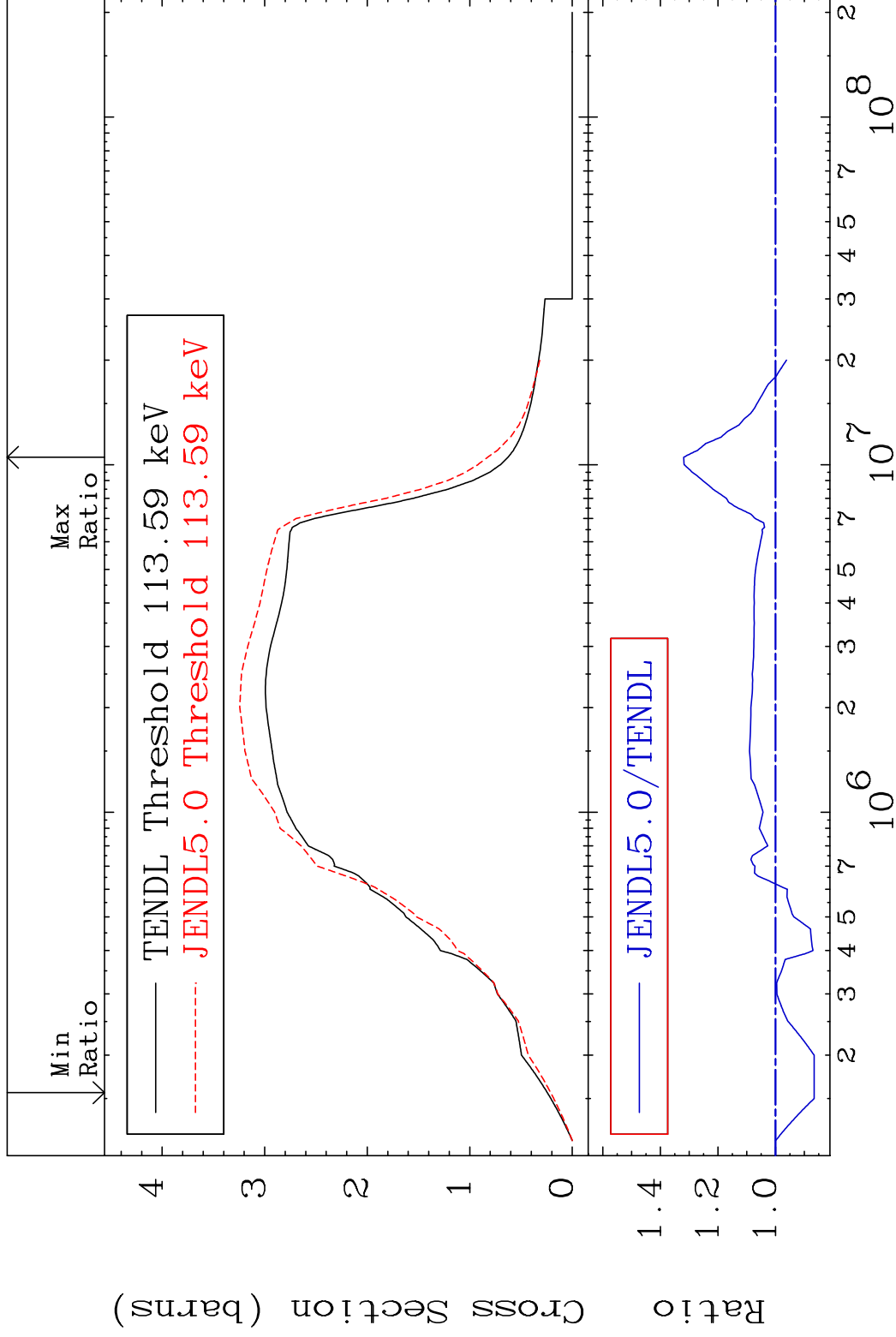
72-Hf-177

MAT 7234

Inelastic

72-Hf-177

Cross Section -13.37 To 31.94 %



3

Incident Energy (eV)

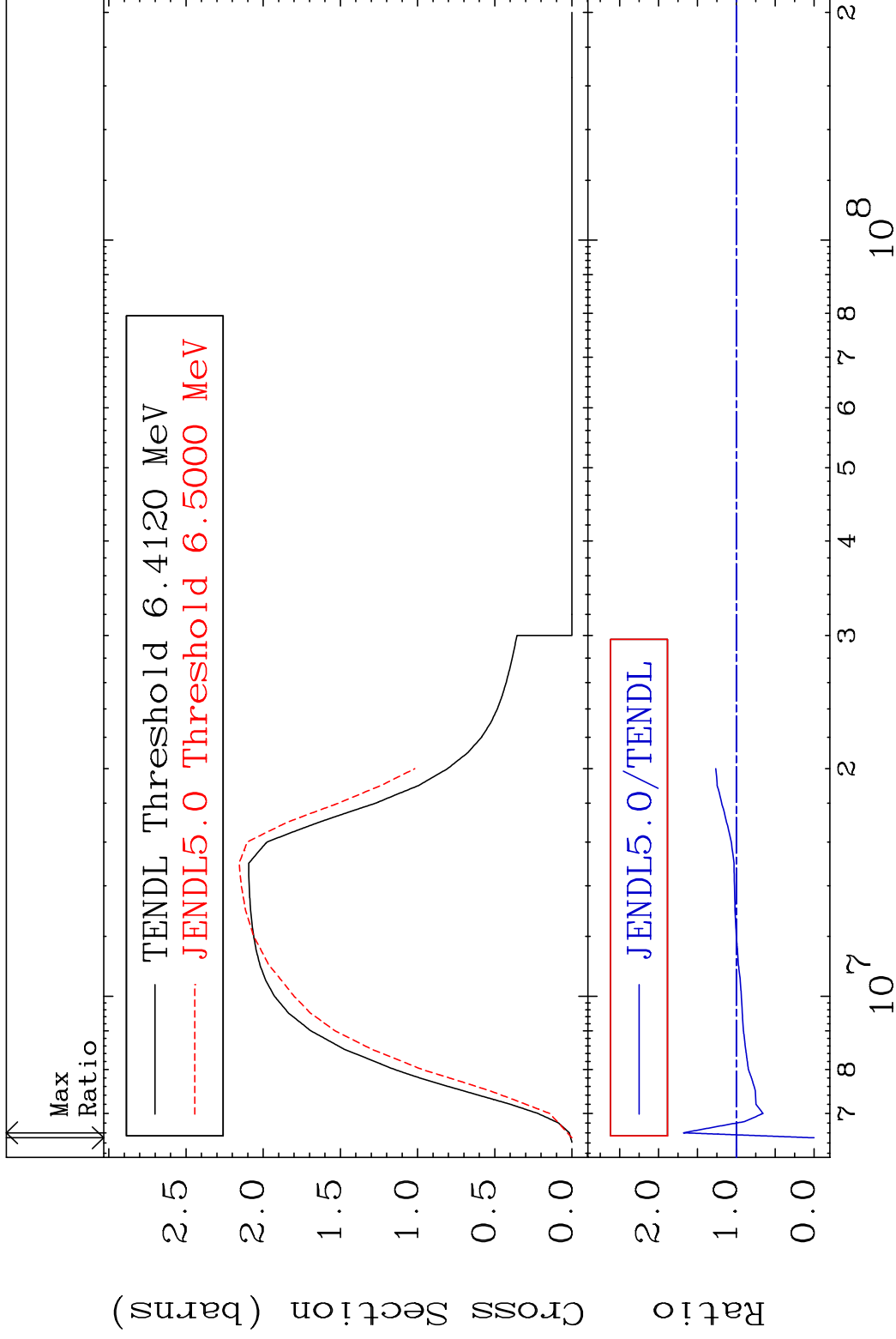
72-Hf-177

MAT 7234

(n,2n)

72-Hf-177

Cross Section -100.0 To 67.92 %



4

Incident Energy (eV)

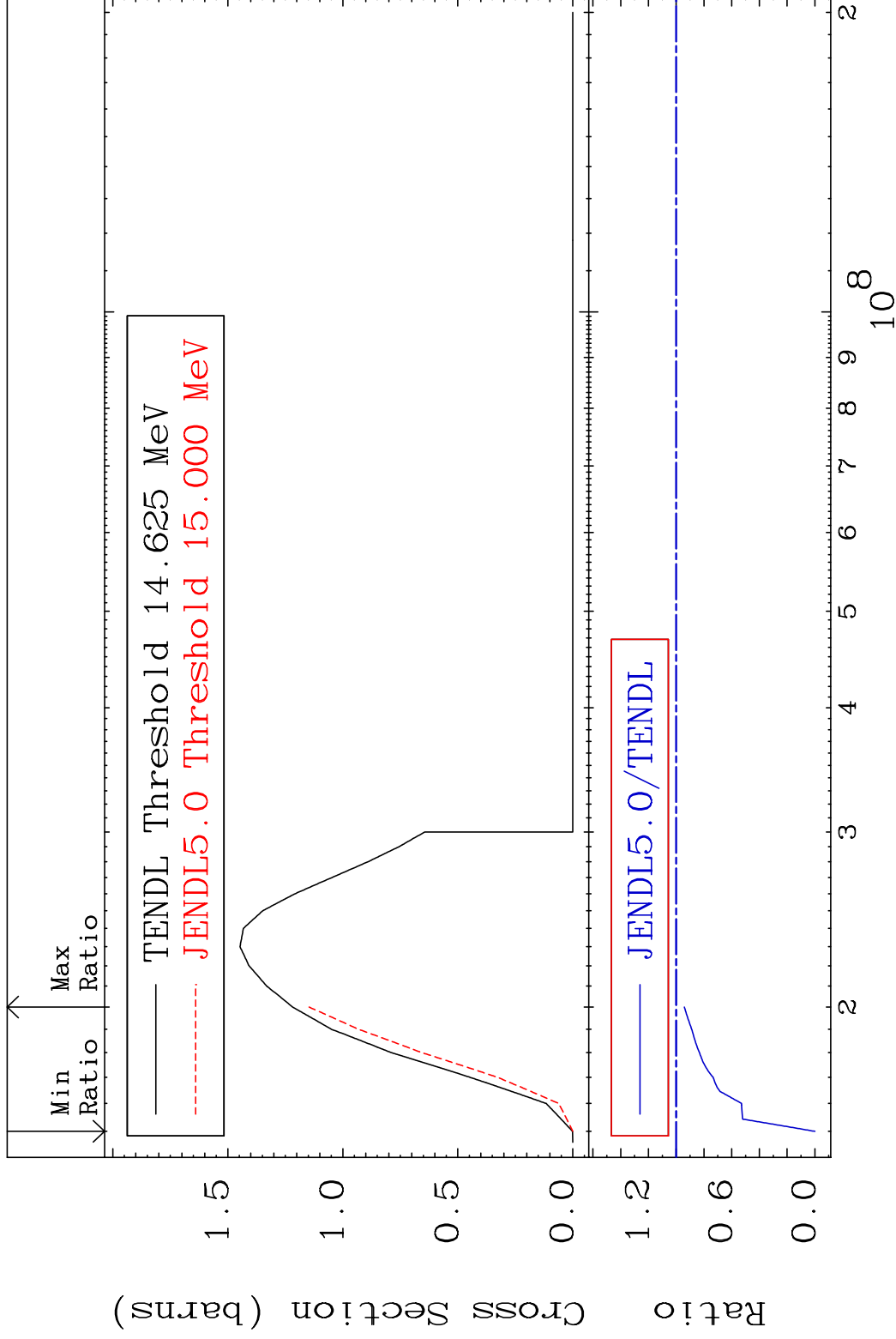
72-Hf-177

MAT 7234

(n,3n)

72-Hf-177

Cross Section -100.0 To -5.873%



5

Incident Energy (eV)

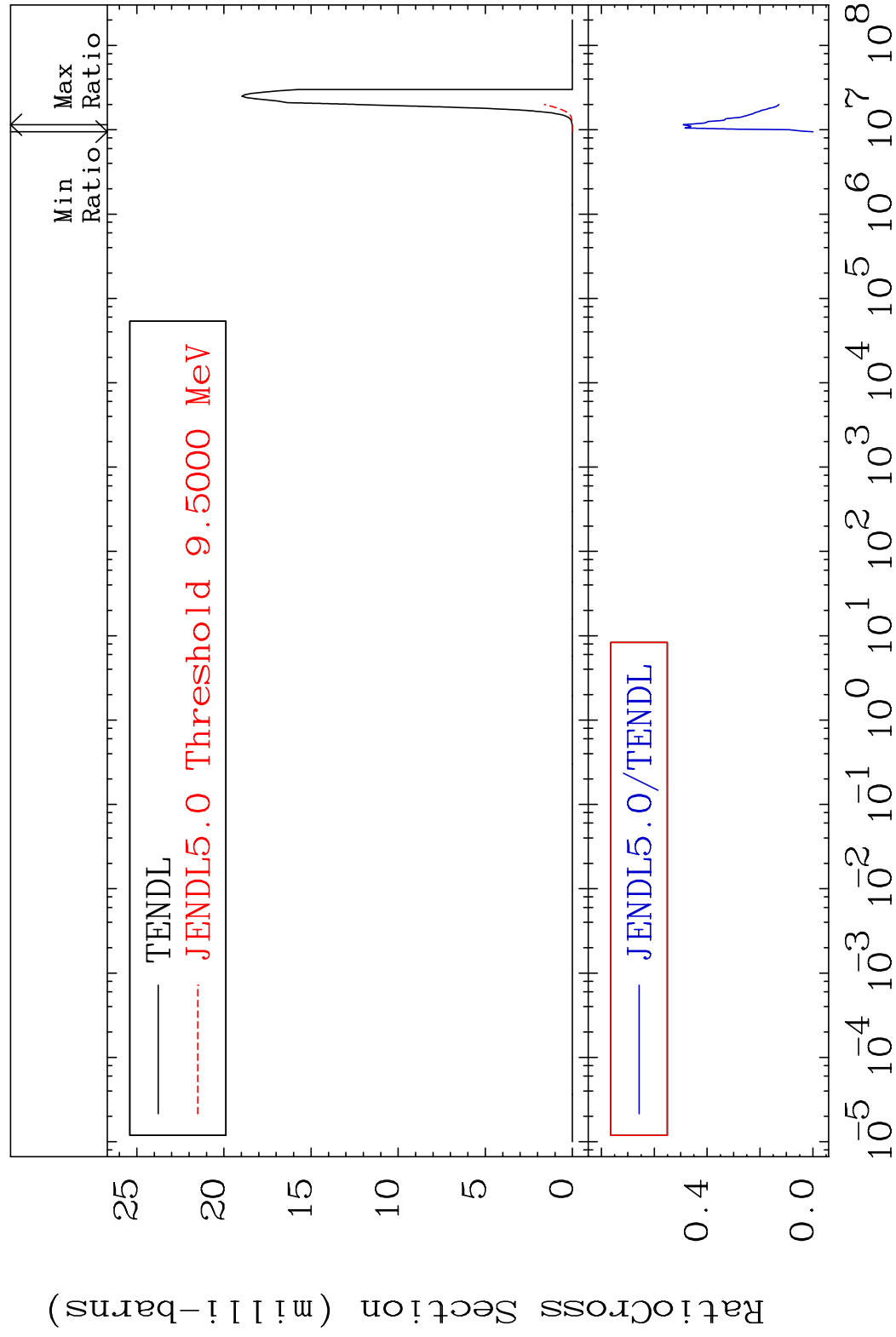
72-Hf-177

MAT 7234

(n, n') α

72-Hf-177

Cross Section -100.0 To -50.93%



6

Incident Energy (eV)

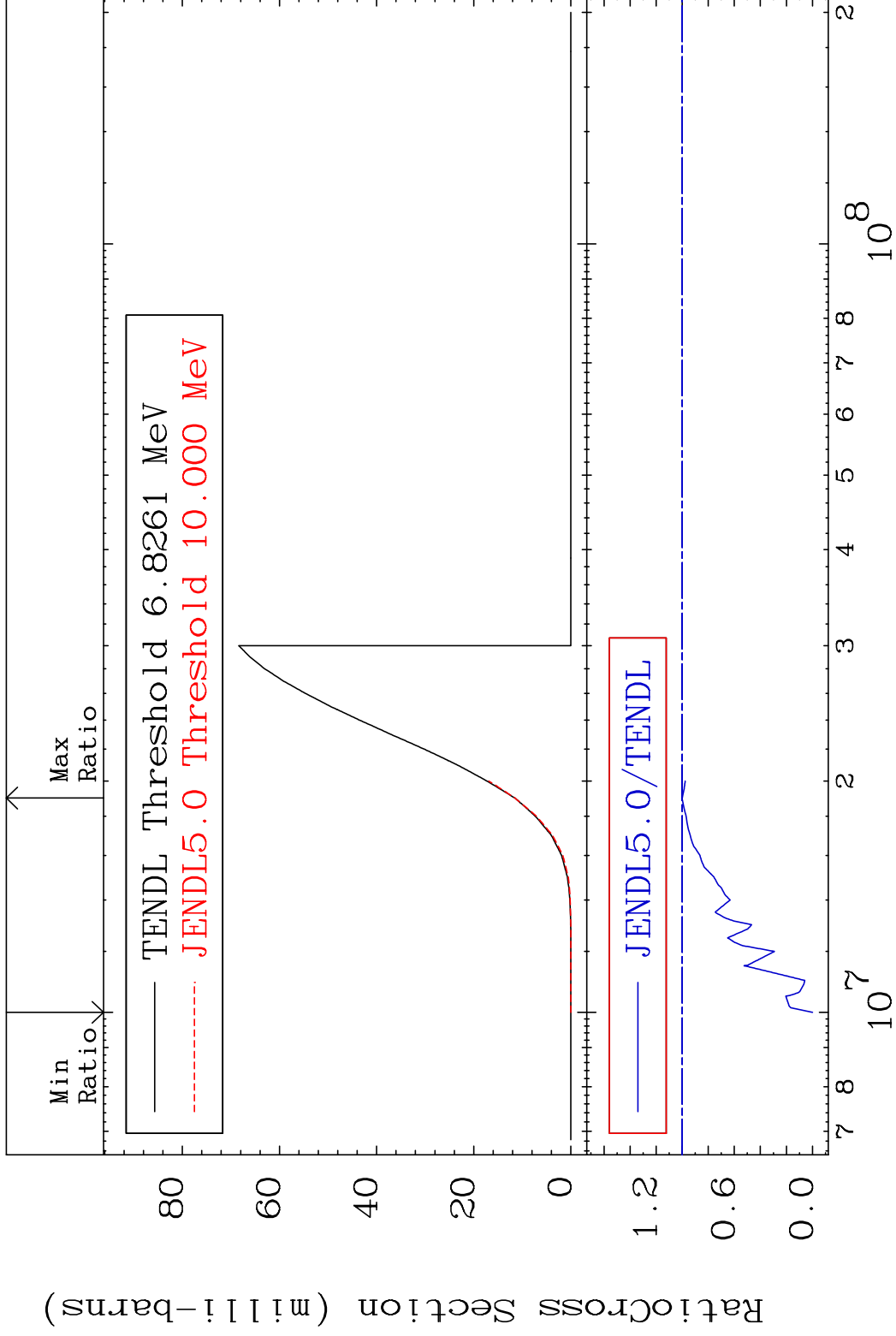
72-Hf-177

MAT 7234

(n, n') p

72-Hf-177

Cross Section -100.0 To 0.024 %



7

Incident Energy (eV)

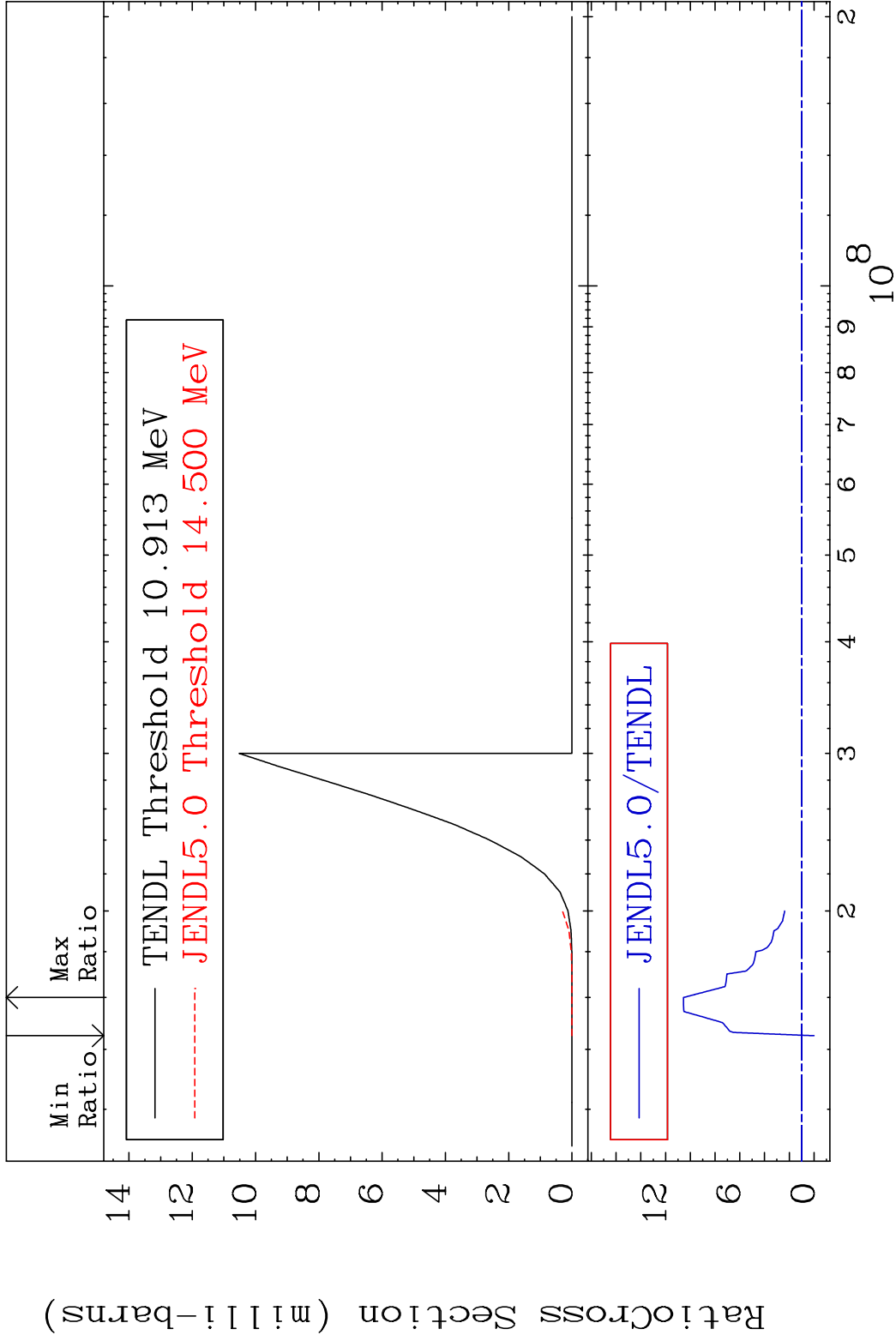
72-Hf-177

MAT 7234

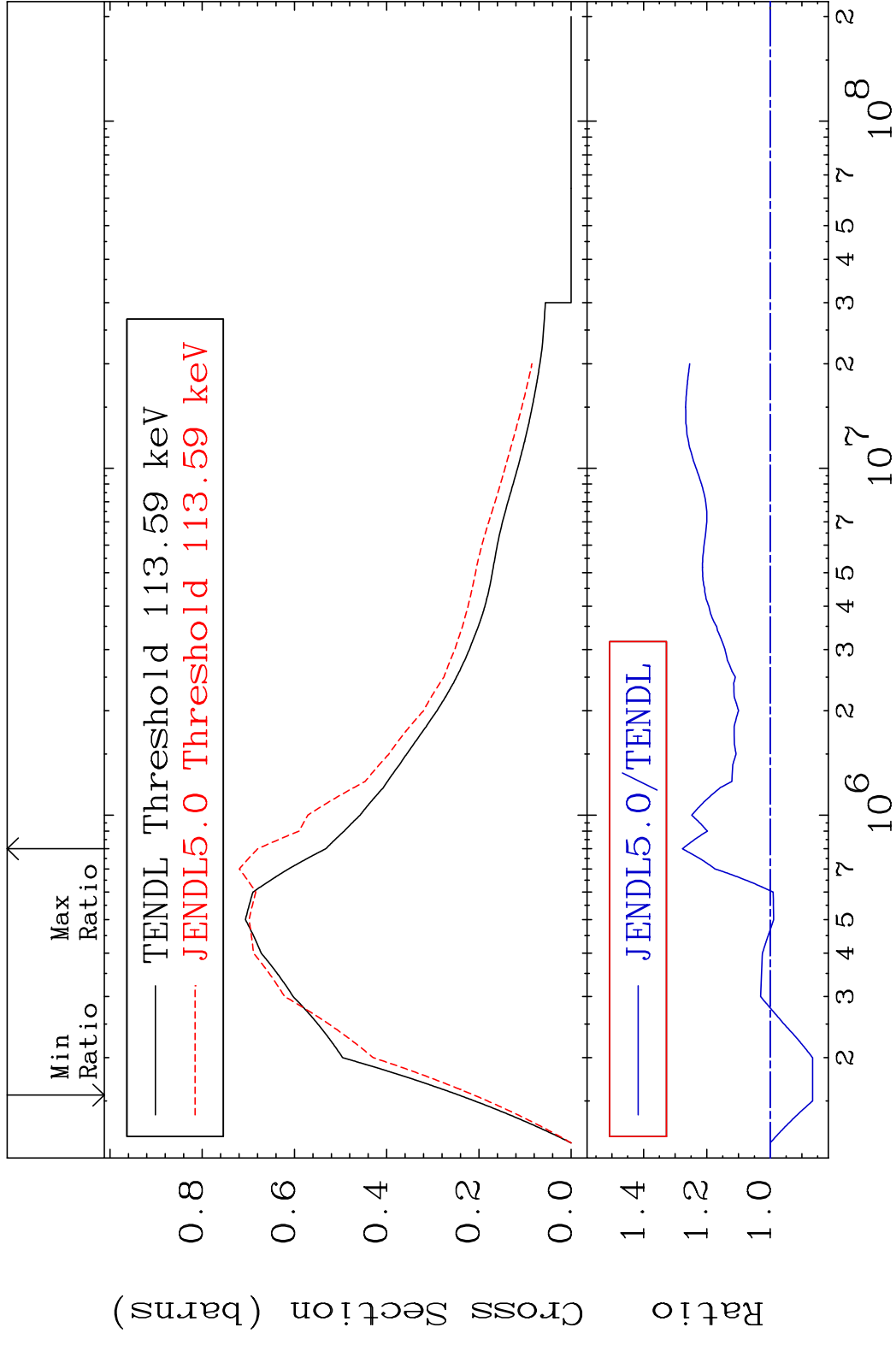
(n, n') d

72-Hf-177

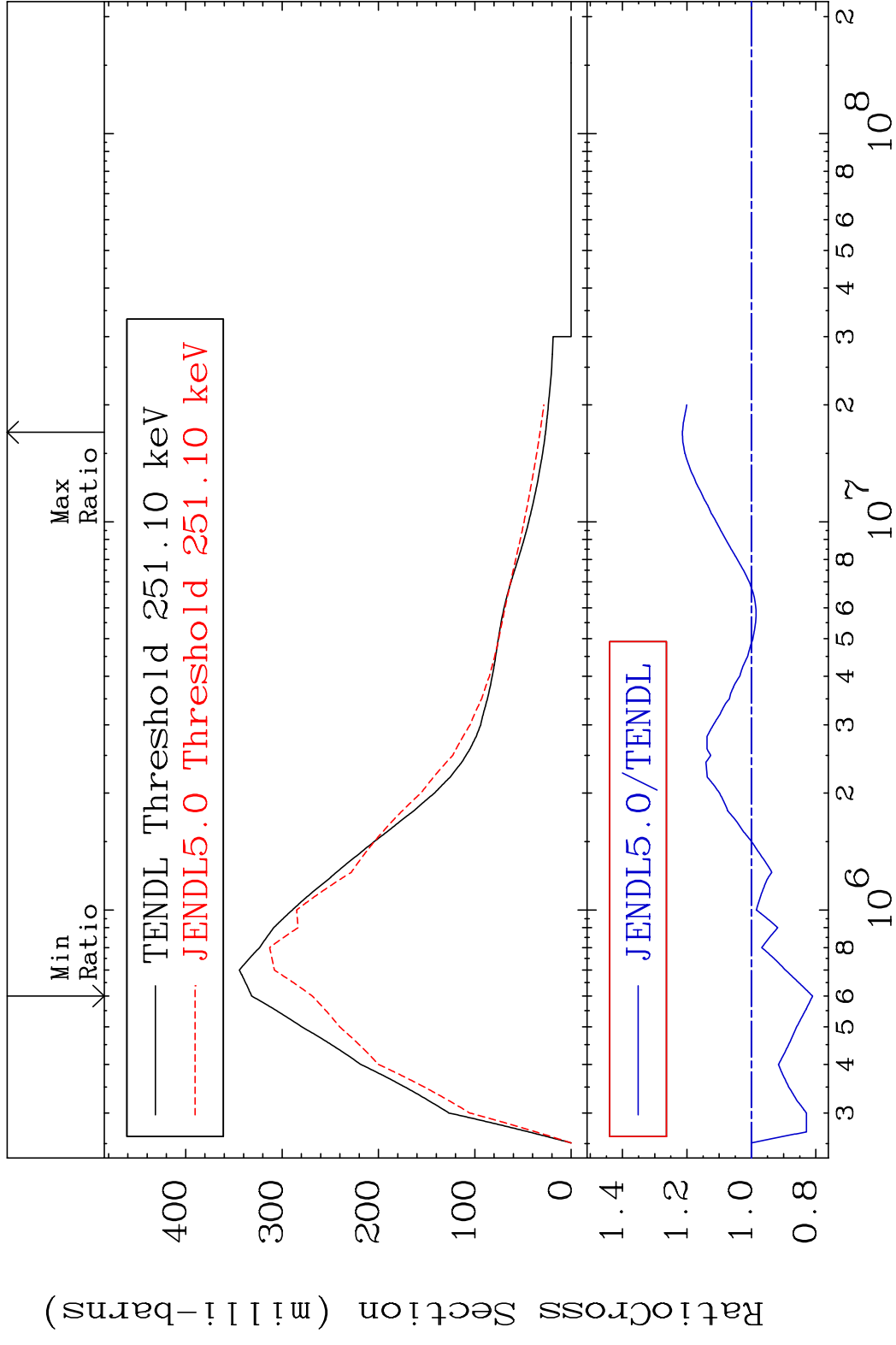
Cross Section -100.0 To 955.4 %



MAT 7234 MT= 51 (n, n') Level 72-Hf-177
 Cross Section -13.37 To 27.74 %

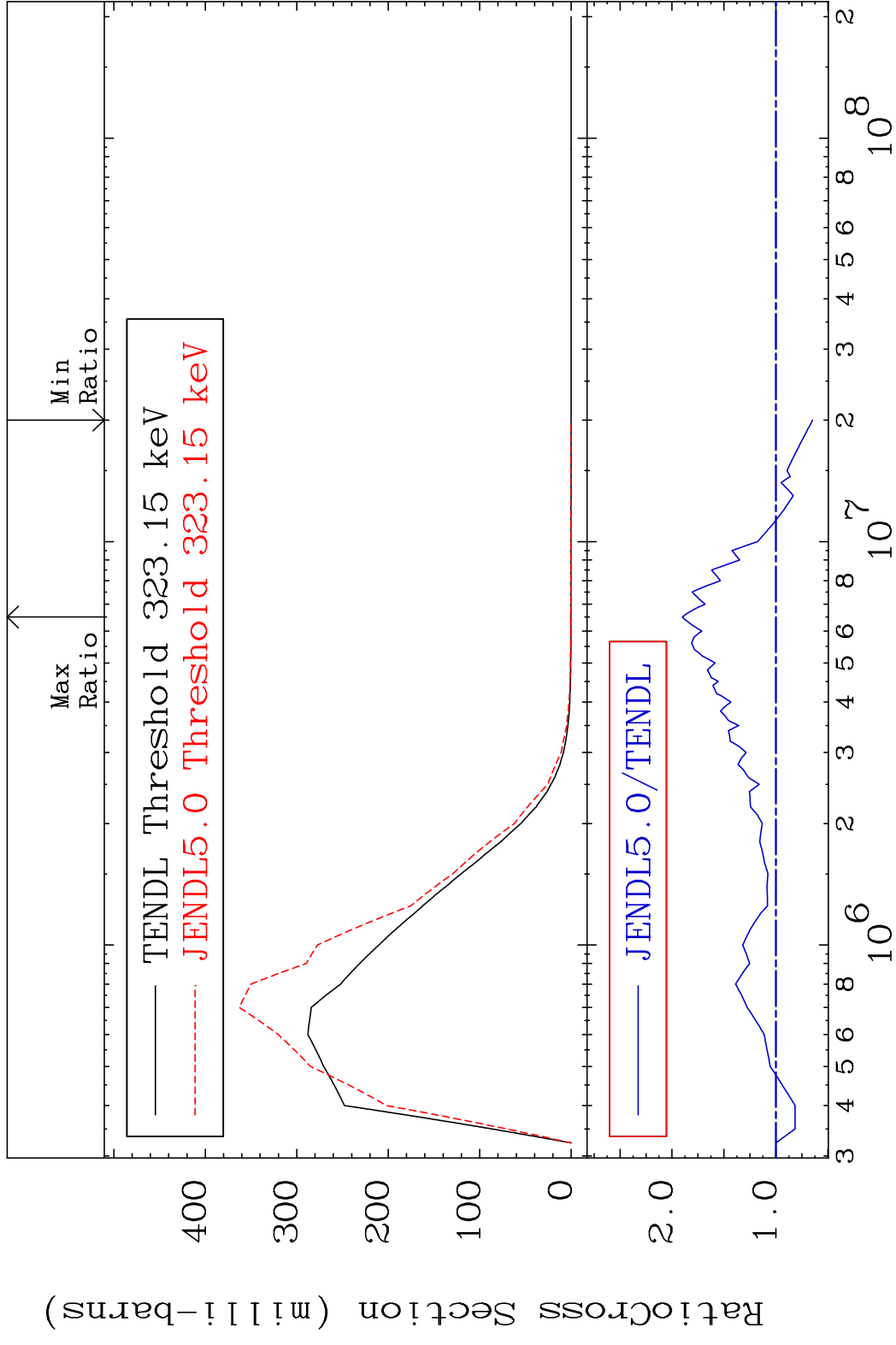


MAT 7234 MT= 52 (n, n') Level 72-Hf-177
 Cross Section -18.98 To 21.43 %

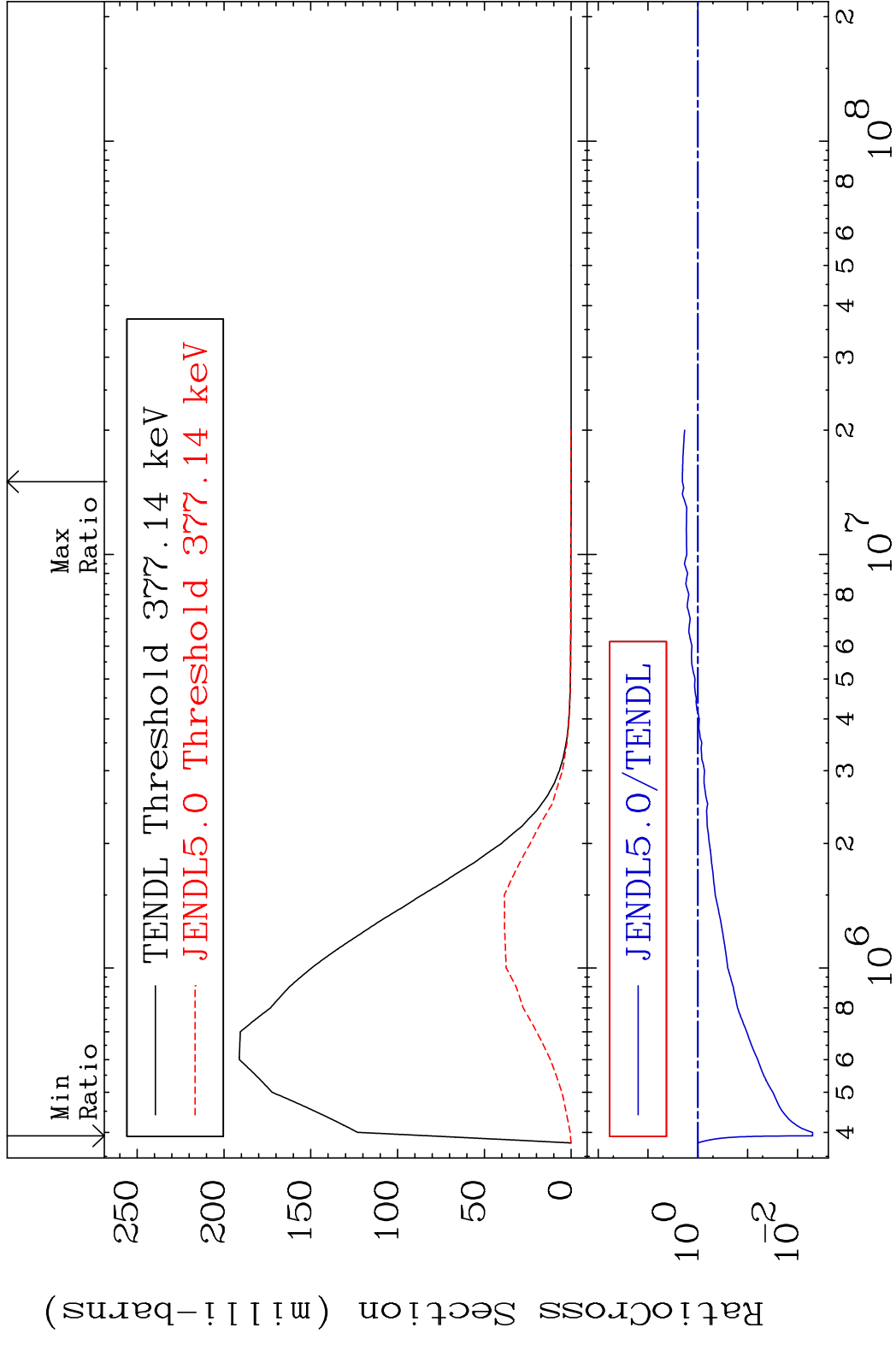


10 Incident Energy (eV) 72-Hf-177

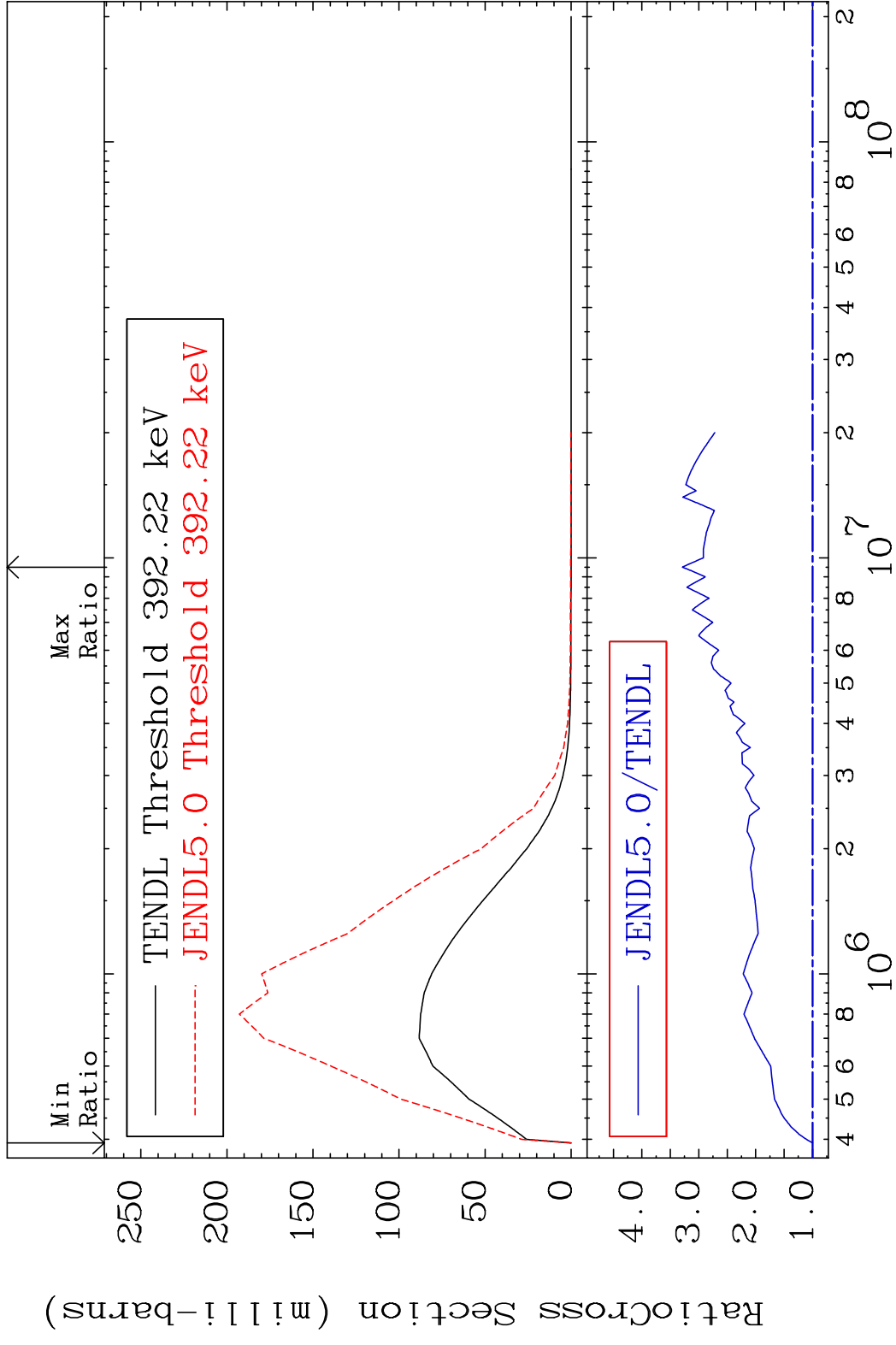
MAT 7234 MT= 53 (n, n') Level 72-Hf-177
 Cross Section -35.32 To 90.03 %



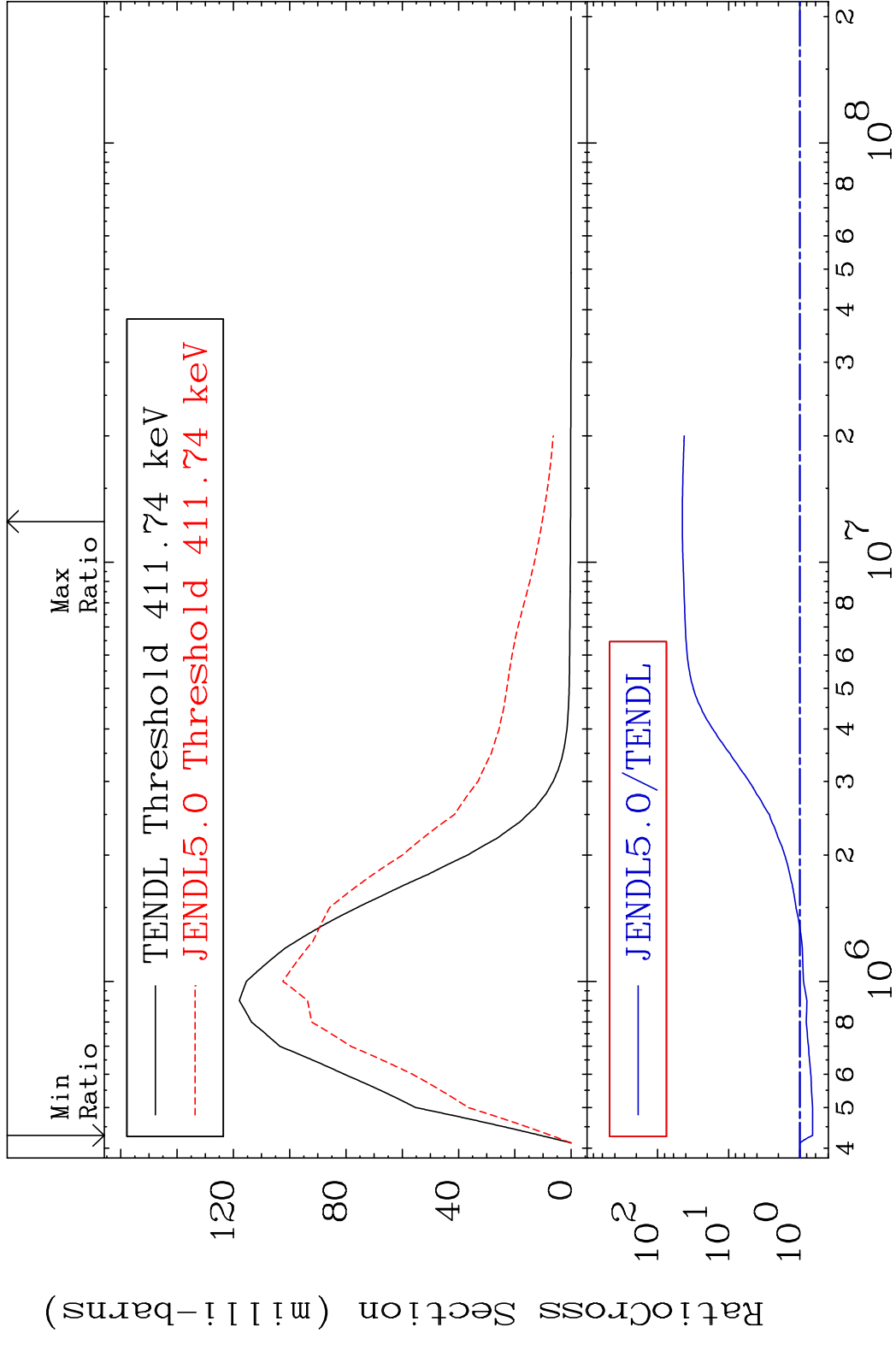
MAT 7234 MT= 54 (n, n') Level 72-Hf-177
 Cross Section -99.50 To 104.6 %



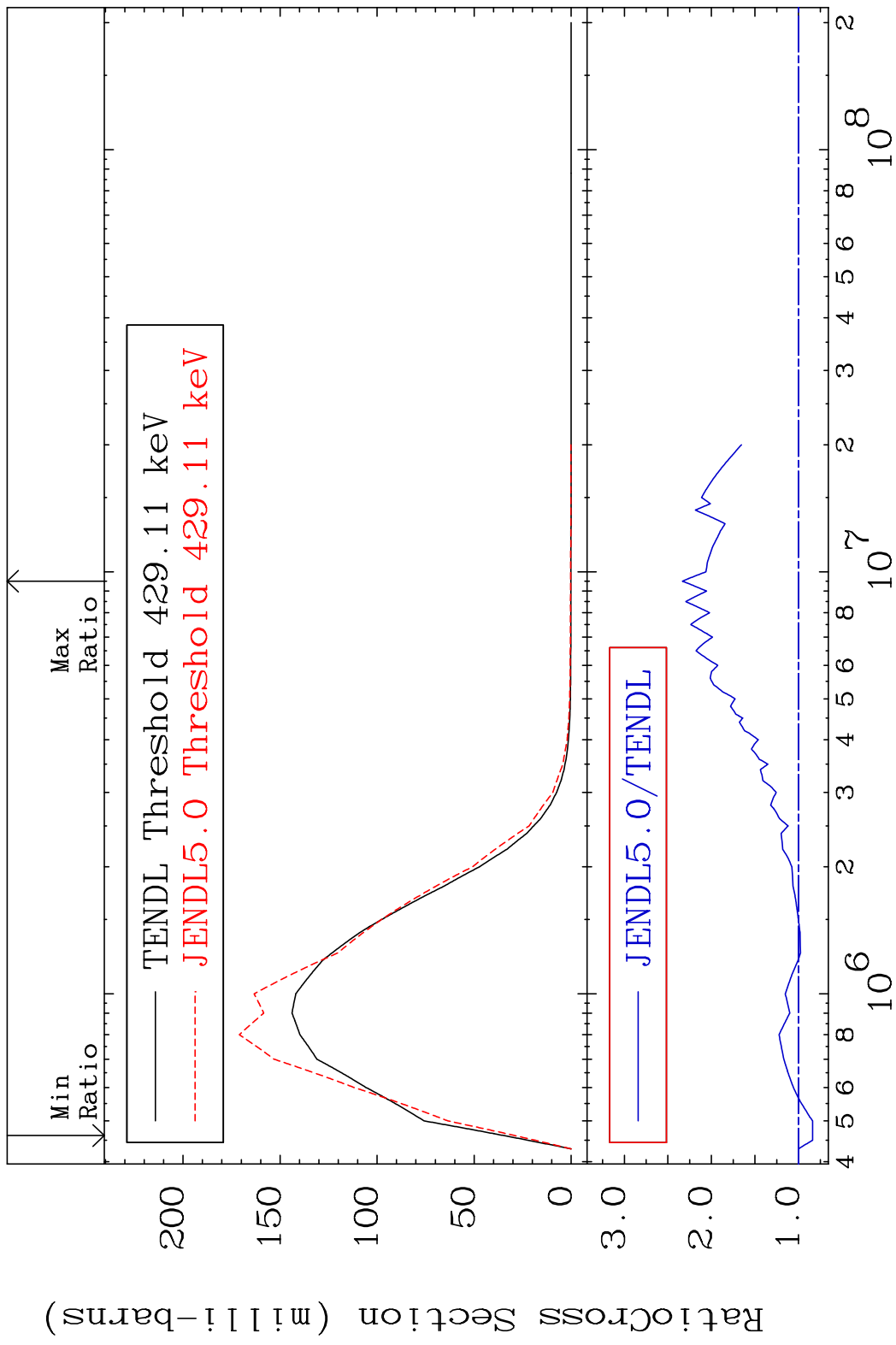
MAT 7234 MT= 55 (n, n') Level 72-Hf-177
 Cross Section 0.000 To 228.8 %



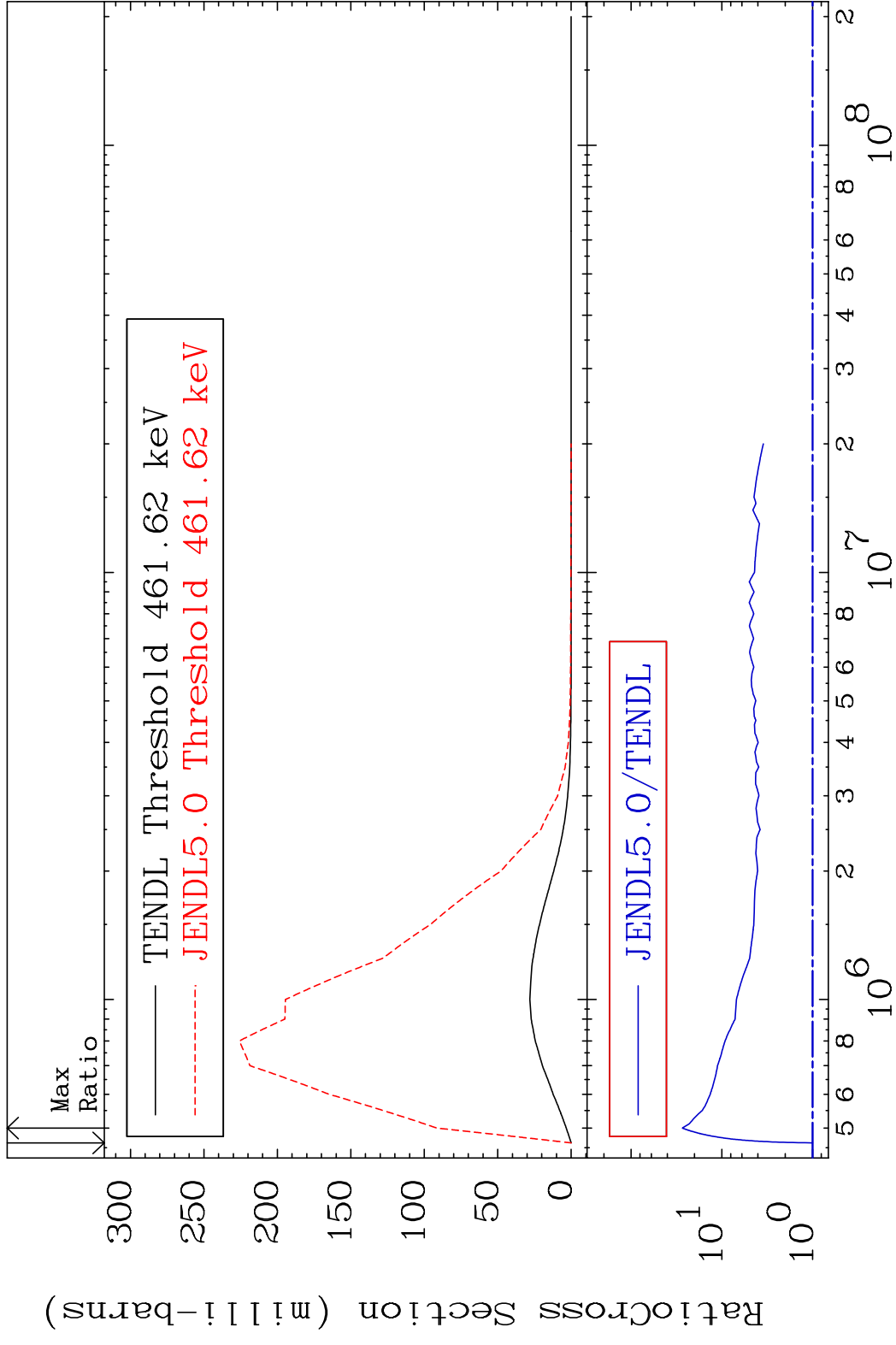
MAT 7234 MT= 56 (n, n') Level 72-Hf-177
 Cross Section -33.85 To 4390. %



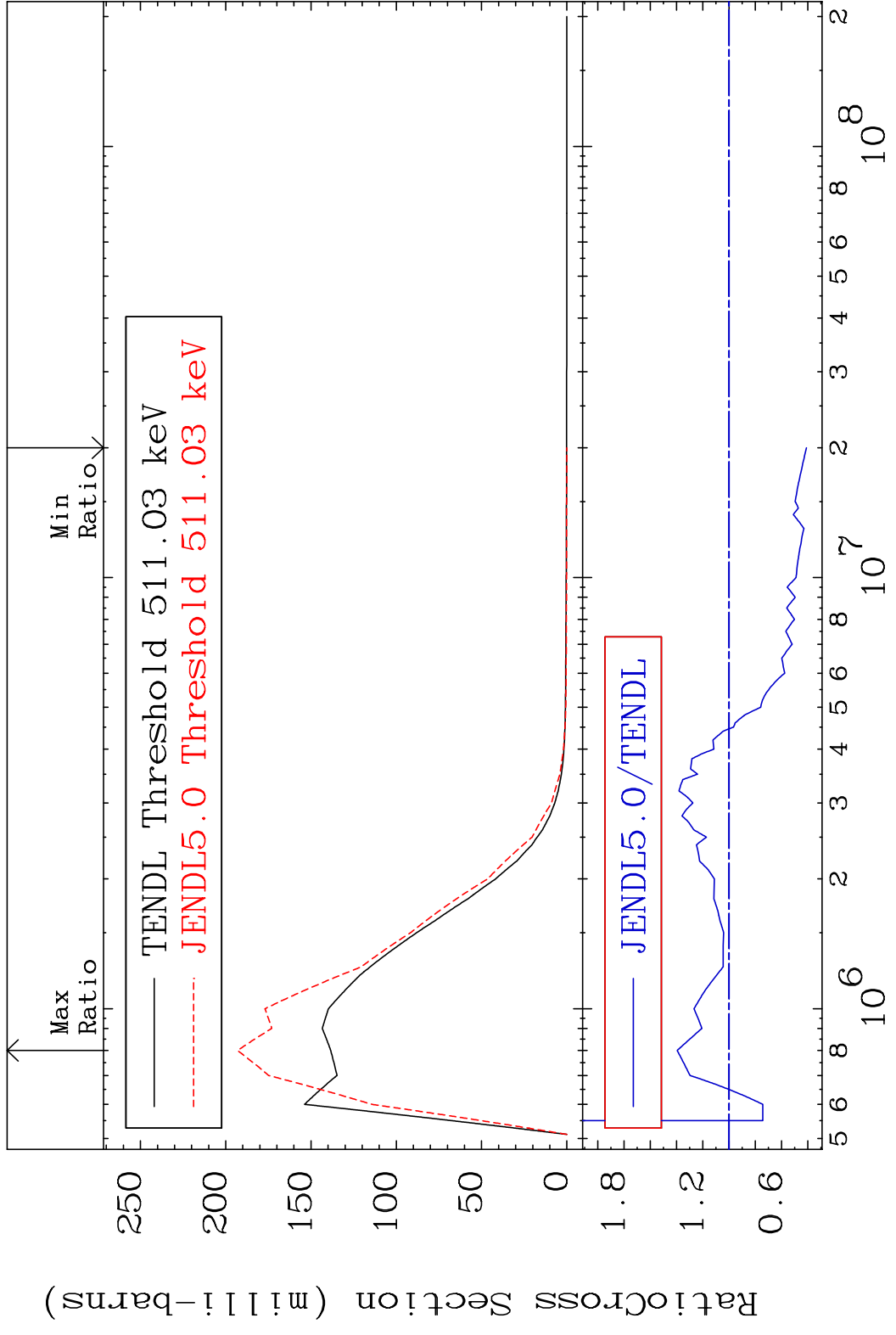
MAT 7234 MT= 57 (n, n') Level 72-Hf-177
 Cross Section -16.16 To 133.4 %



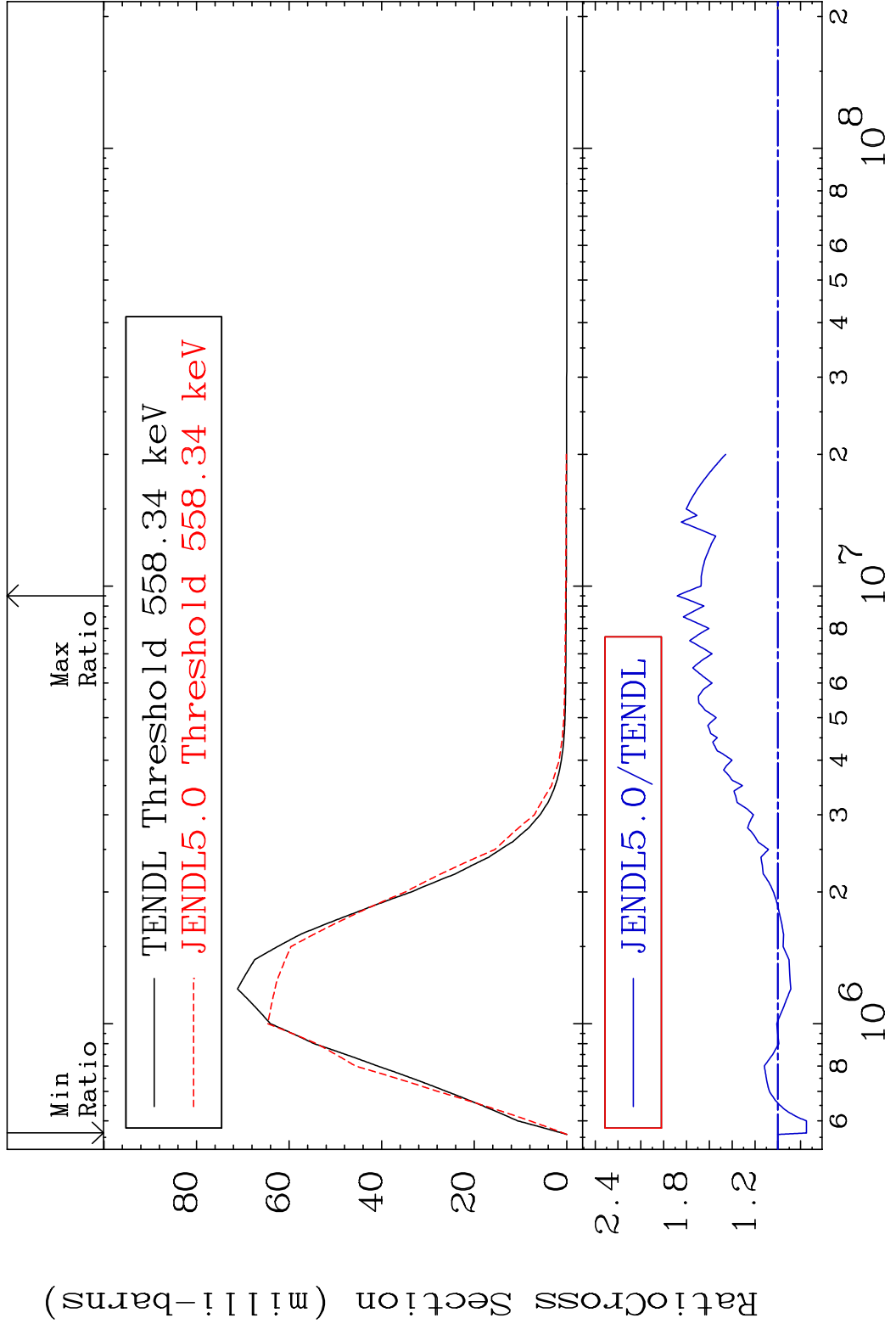
MAT 7234 MT= 58 (n,n') Level 72-Hf-177
 Cross Section 0.000 To 2627. %



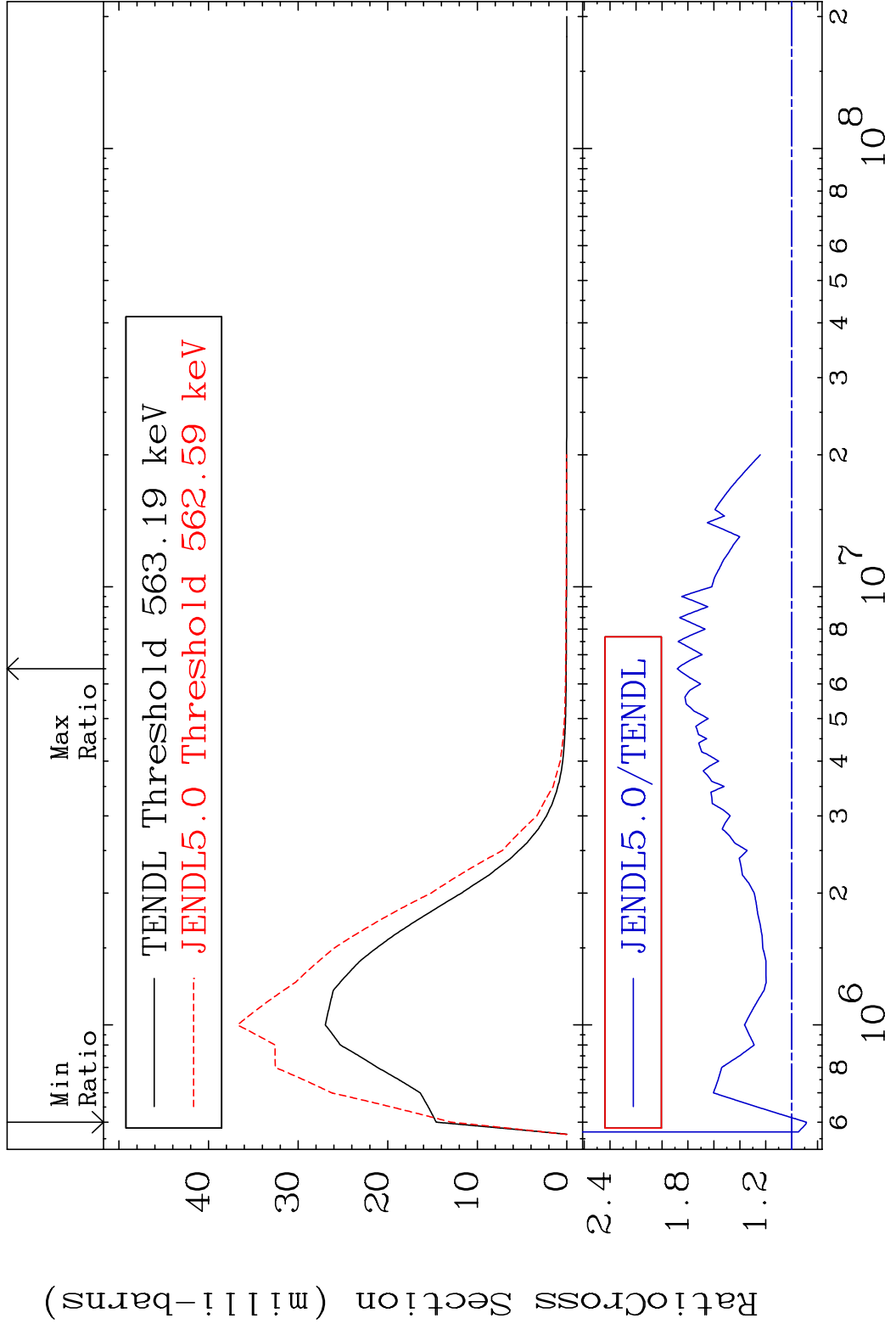
MAT 7234 MT= 59 (n, n') Level 72-Hf-177
 Cross Section -58.91 To 39.47 %



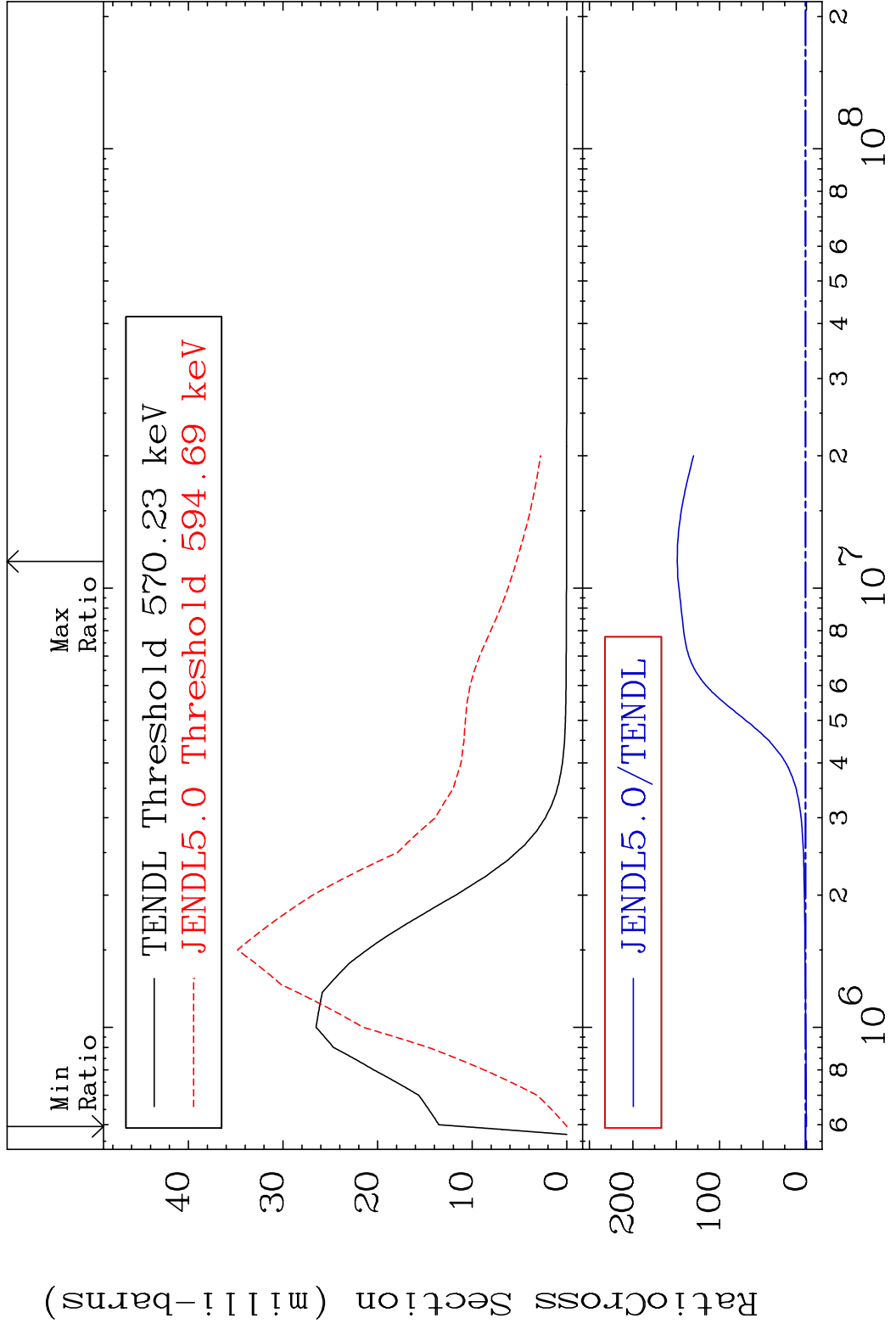
MAT 7234 MT= 60 (n, n') Level 72-Hf-177
 Cross Section -25.04 To 88.16 %



MAT 7234 MT= 61 (n, n') Level 72-Hf-177
 Cross Section -11.34 To 88.27 %

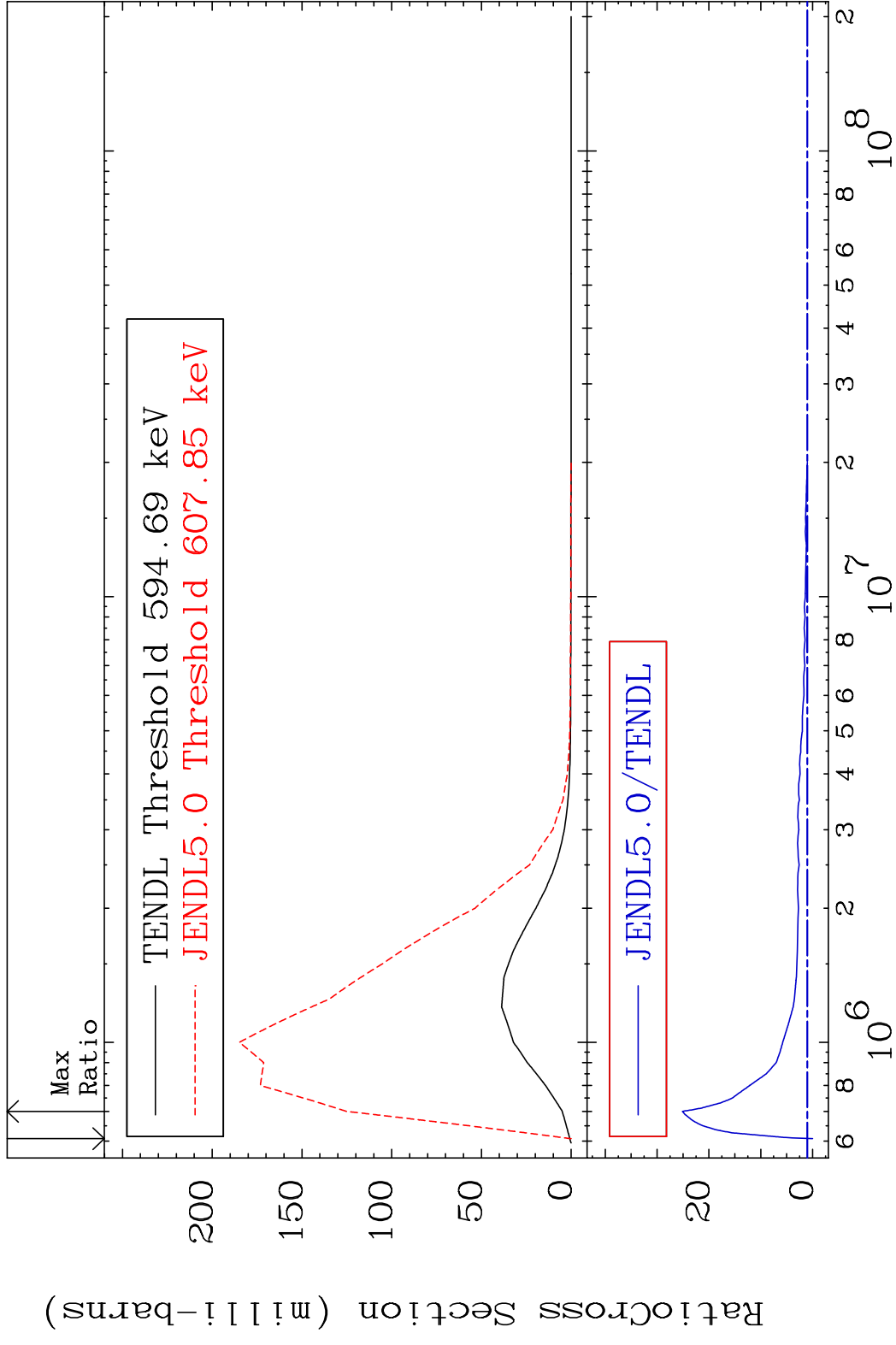


MAT 7234 MT= 62 (n, n') Level 72-Hf-177
 Cross Section -100.0 To 9999. %

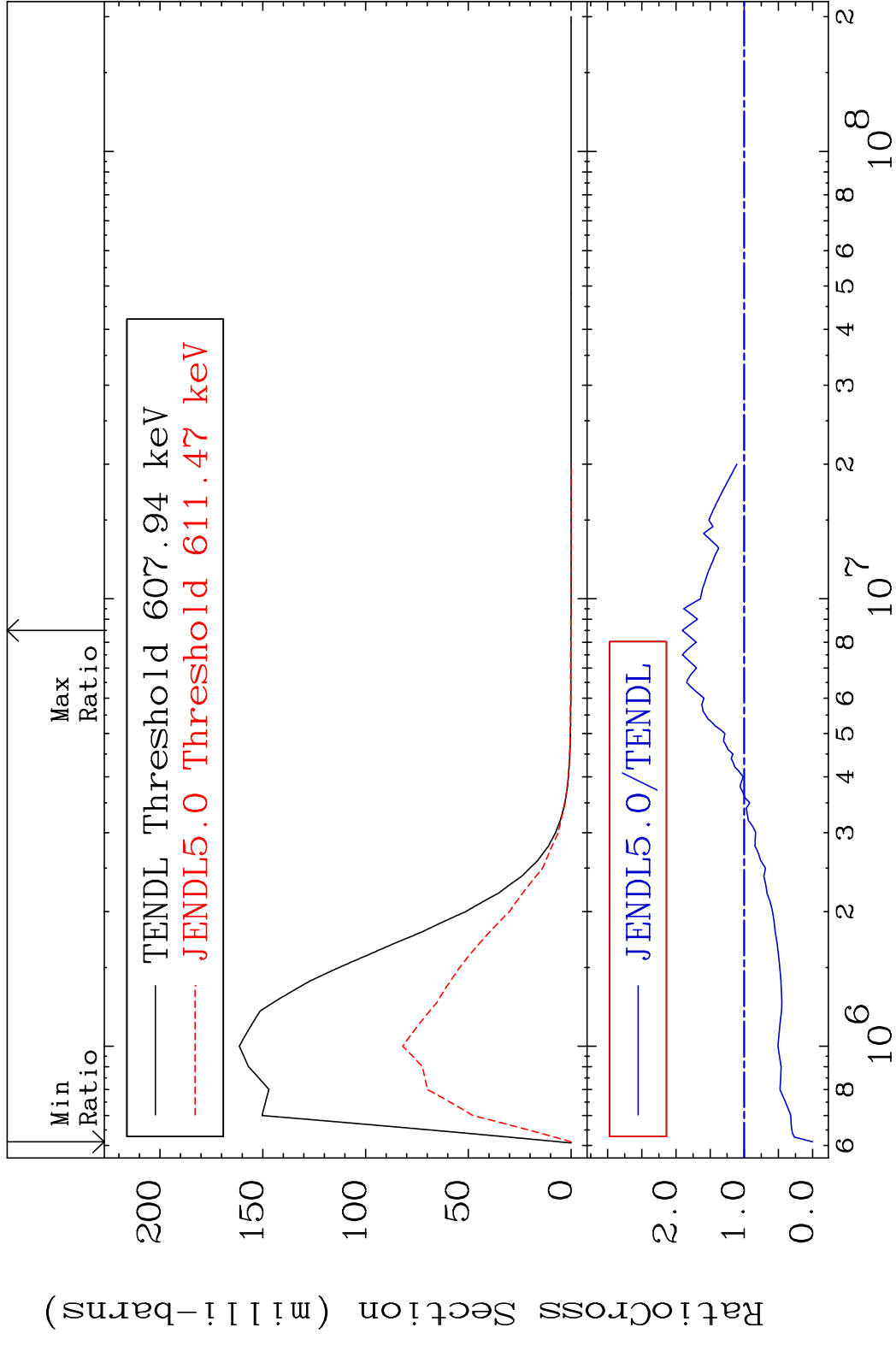


20 Incident Energy (eV) 72-Hf-177

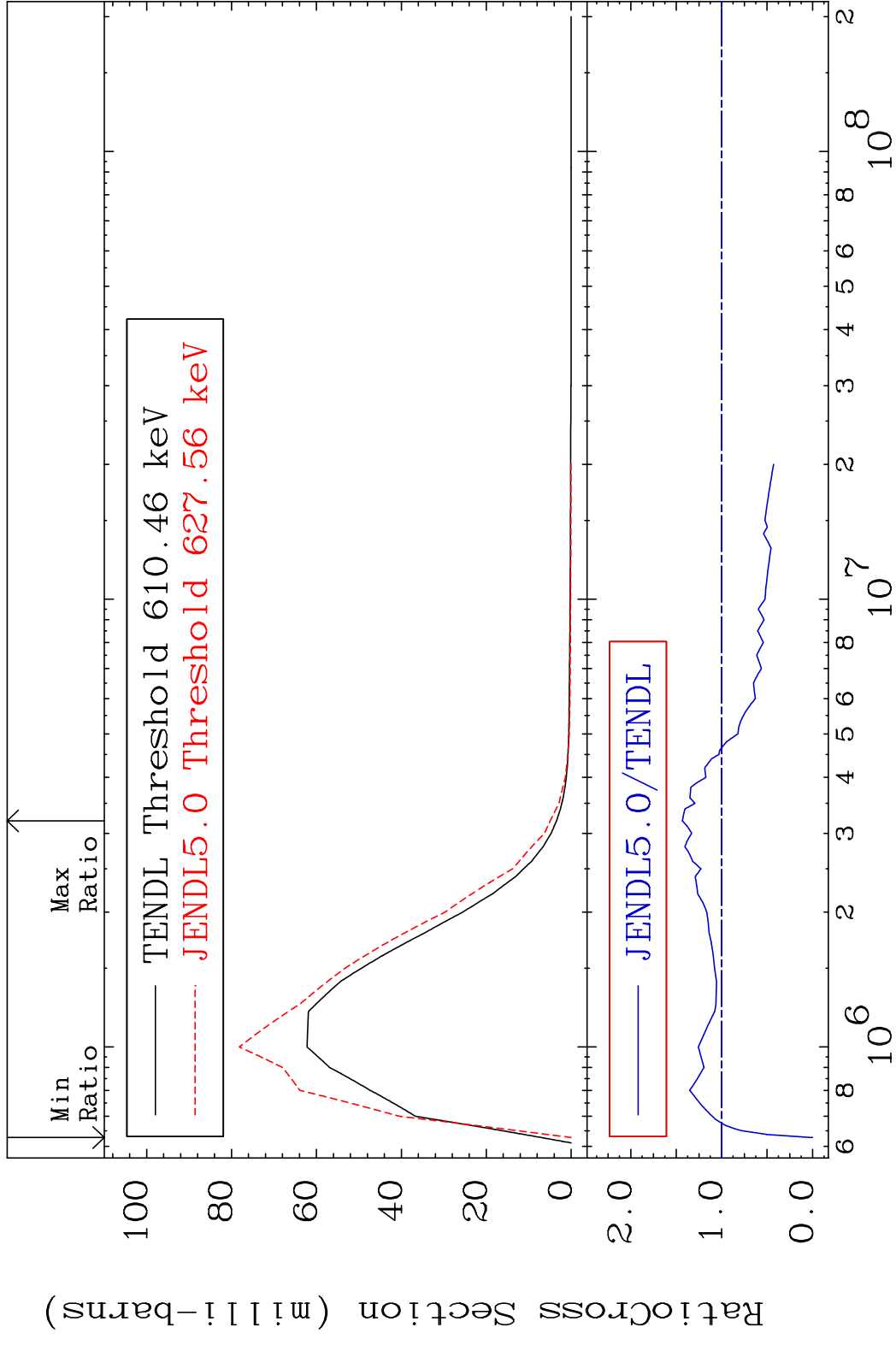
MAT 7234 MT= 63 (n, n') Level 72-Hf-177
 Cross Section -100.0 To 2413. %



MAT 7234 MT= 64 (n, n') Level 72-Hf-177
 Cross Section -100.0 To 90.66 %



MAT 7234 MT= 65 (n,n') Level 72-Hf-177
 Cross Section -100.0 To 43.25 %

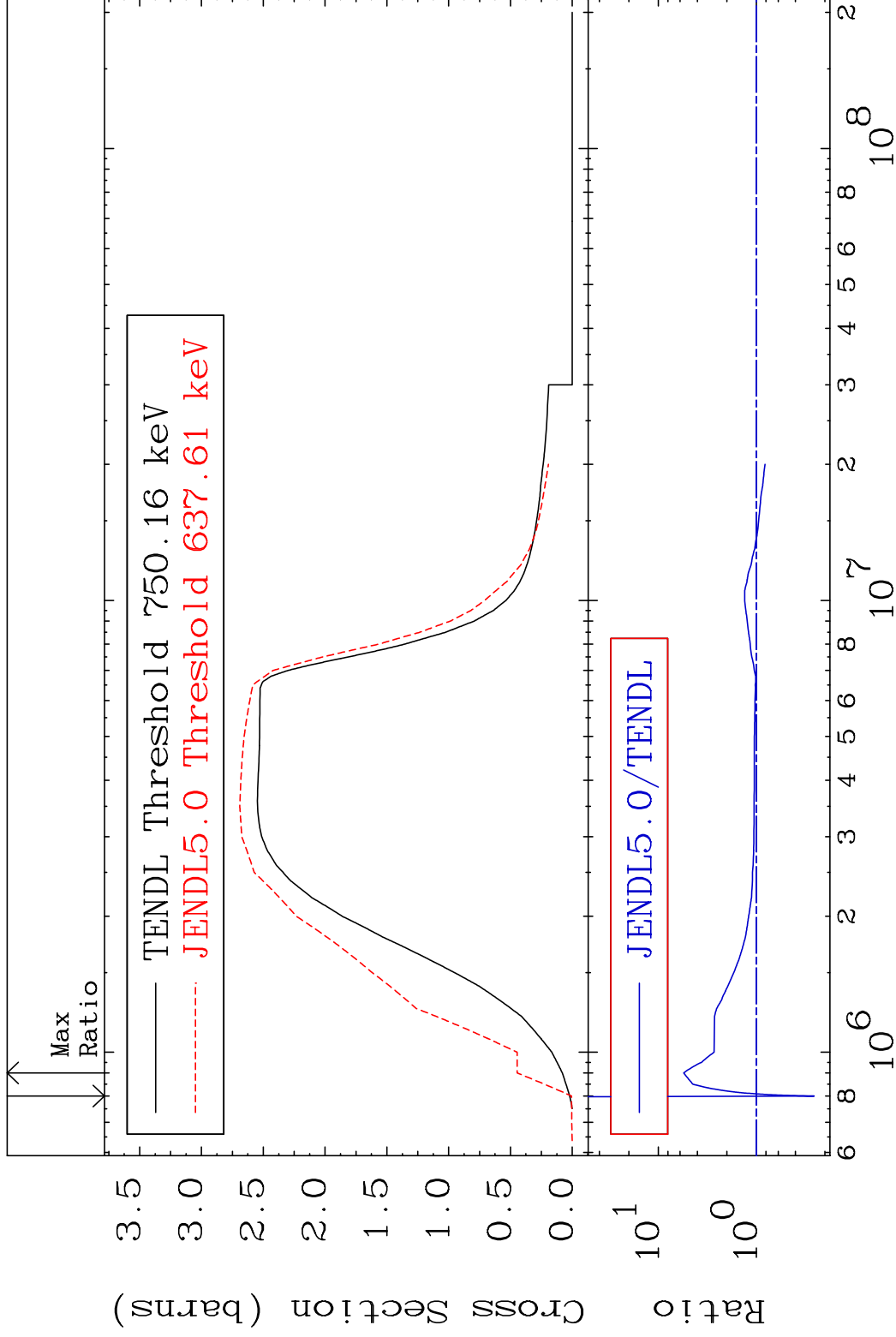


MAT 7234

(n, n') Continuum

72-Hf-177

Cross Section -74.18 To 452.4 %



24

Incident Energy (eV)

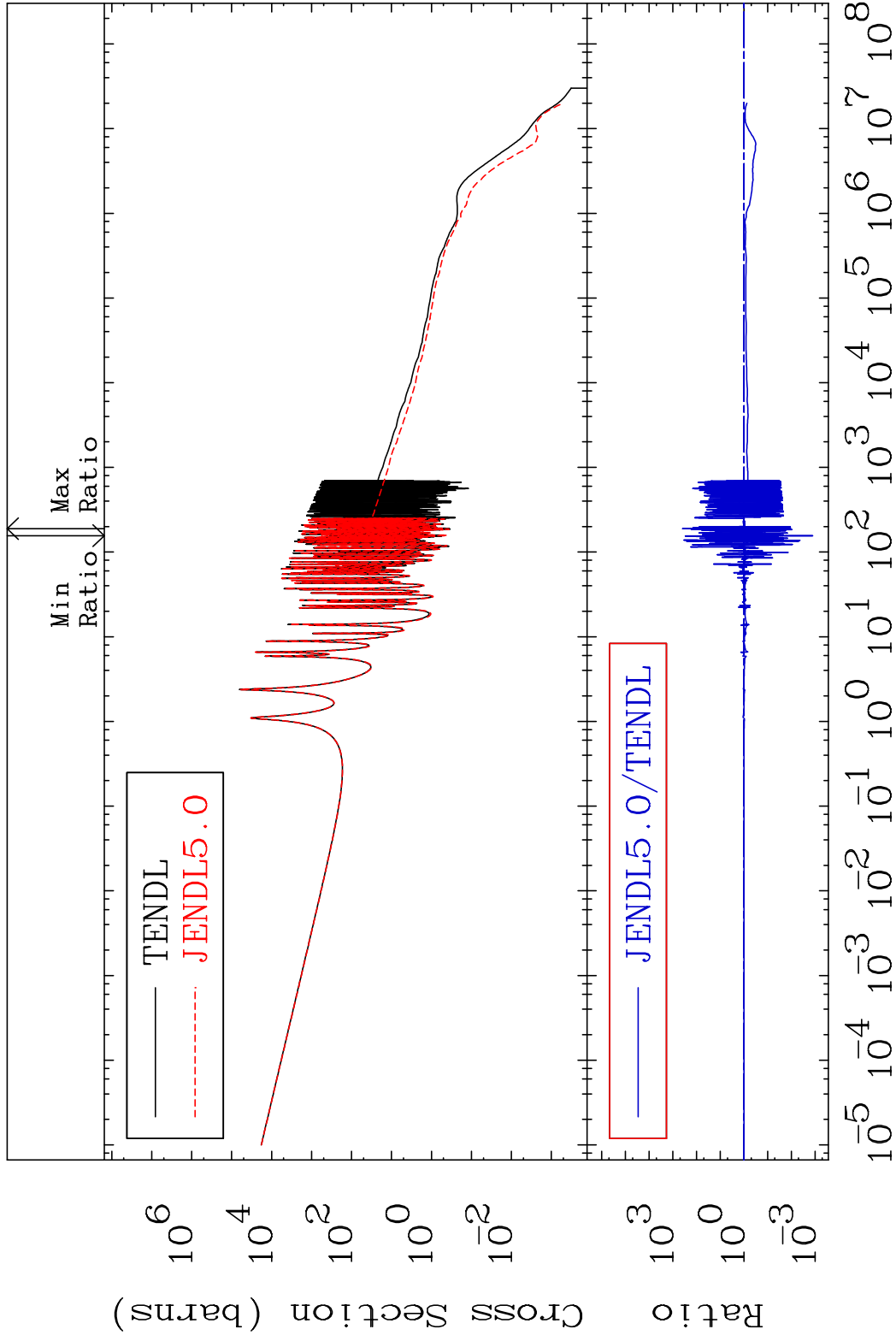
72-Hf-177

MAT 7234

(n, γ)

72-Hf-177

Cross Section -99.87 To 9999. %



25

Incident Energy (eV)

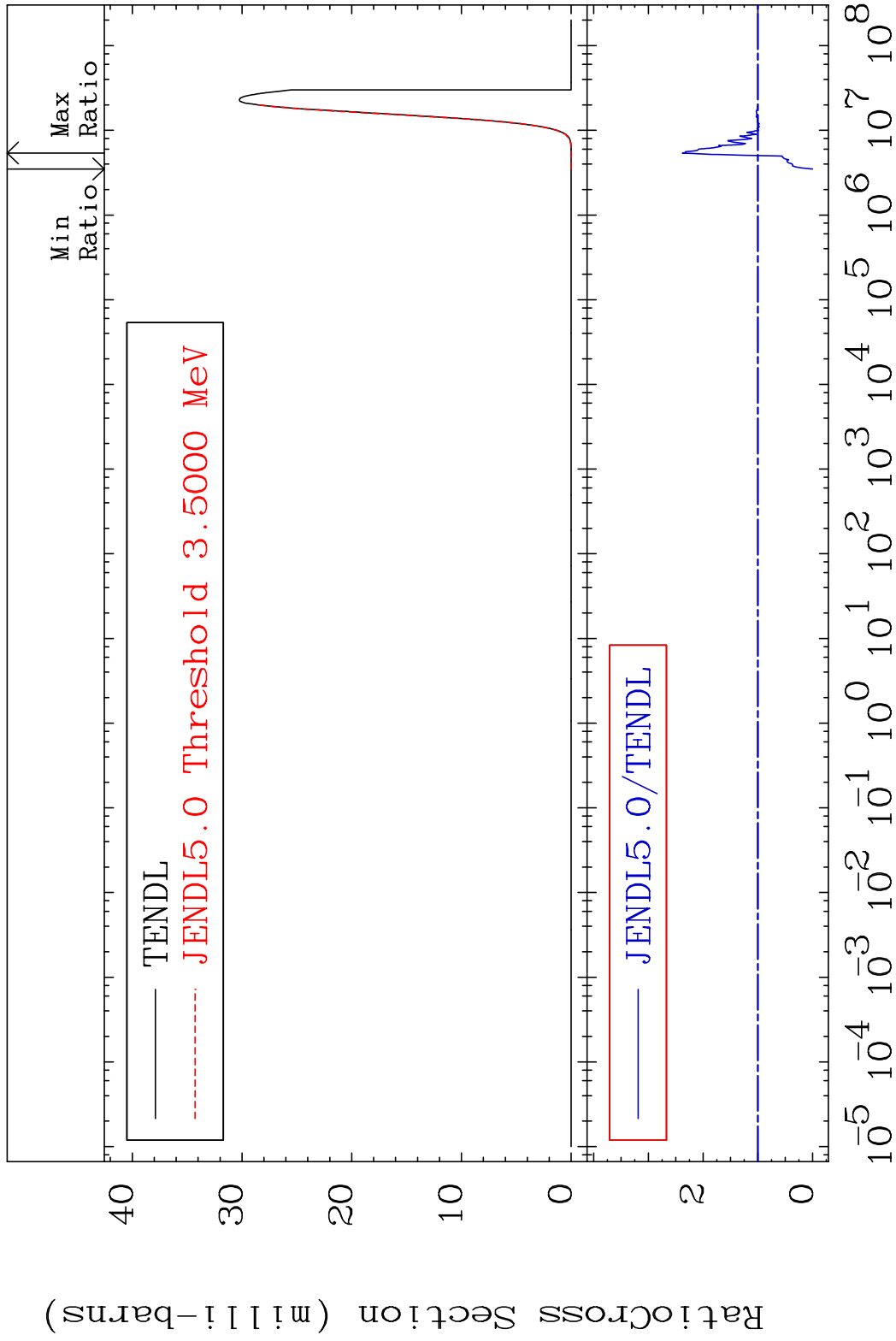
72-Hf-177

MAT 7234

(n, p)

72-Hf-177

Cross Section -100.0 To 138.0 %



26

Incident Energy (eV)

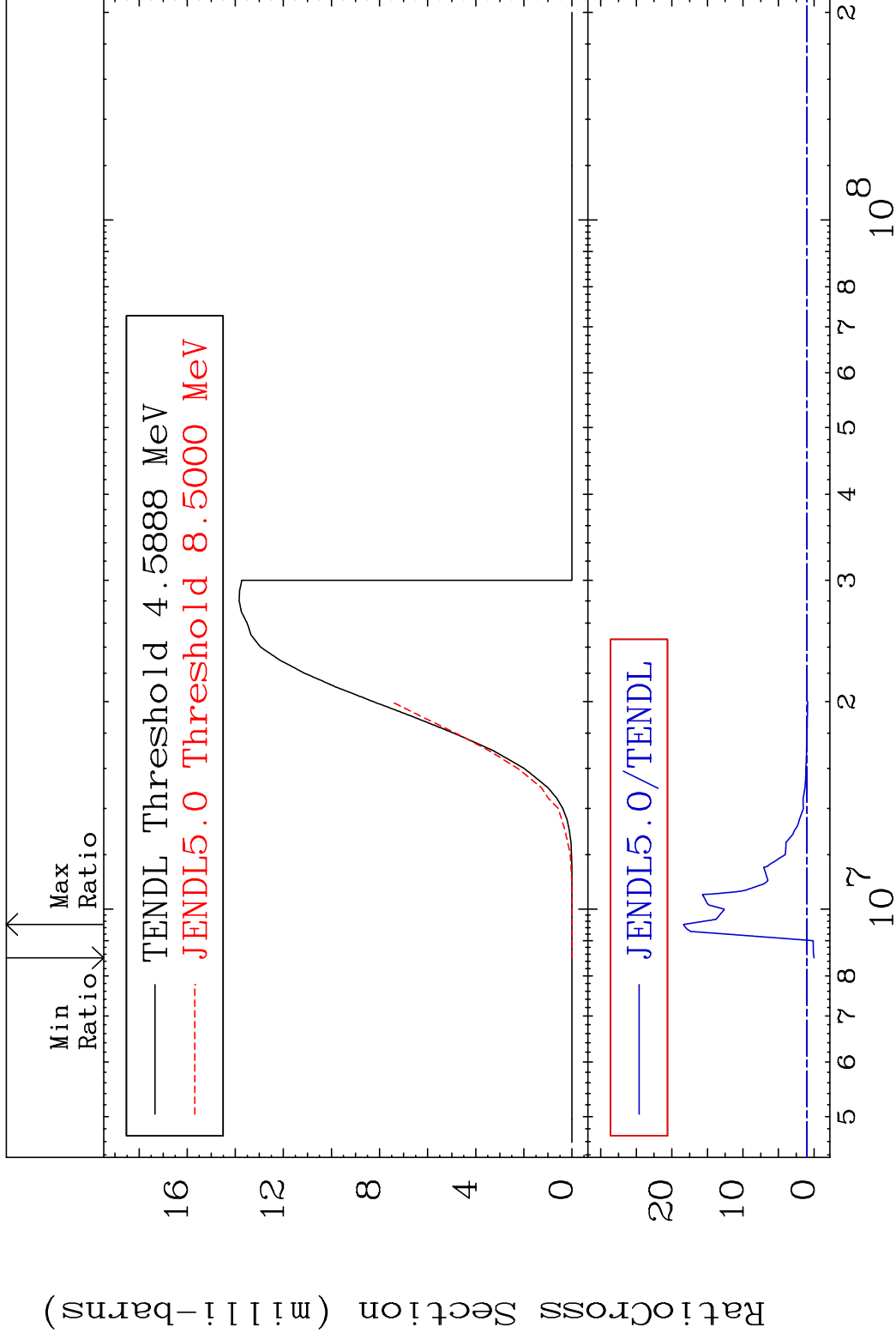
72-Hf-177

MAT 7234

(n,d)

72-Hf-177

Cross Section -100.0 To 1737. %



27

Incident Energy (eV)

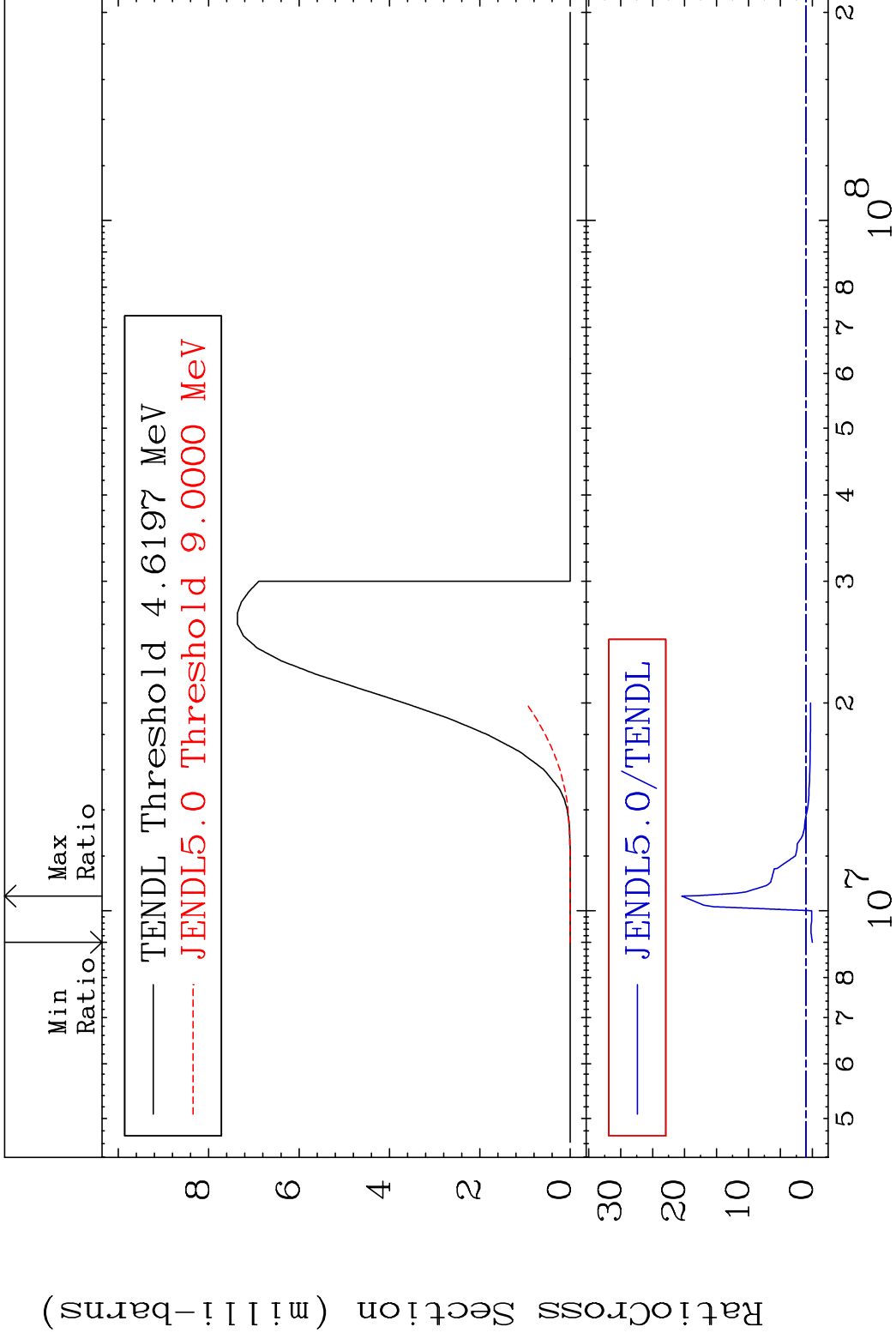
72-Hf-177

MAT 7234

(n, t)

72-Hf-177

Cross Section -100.0 To 1944. %



28

Incident Energy (eV)

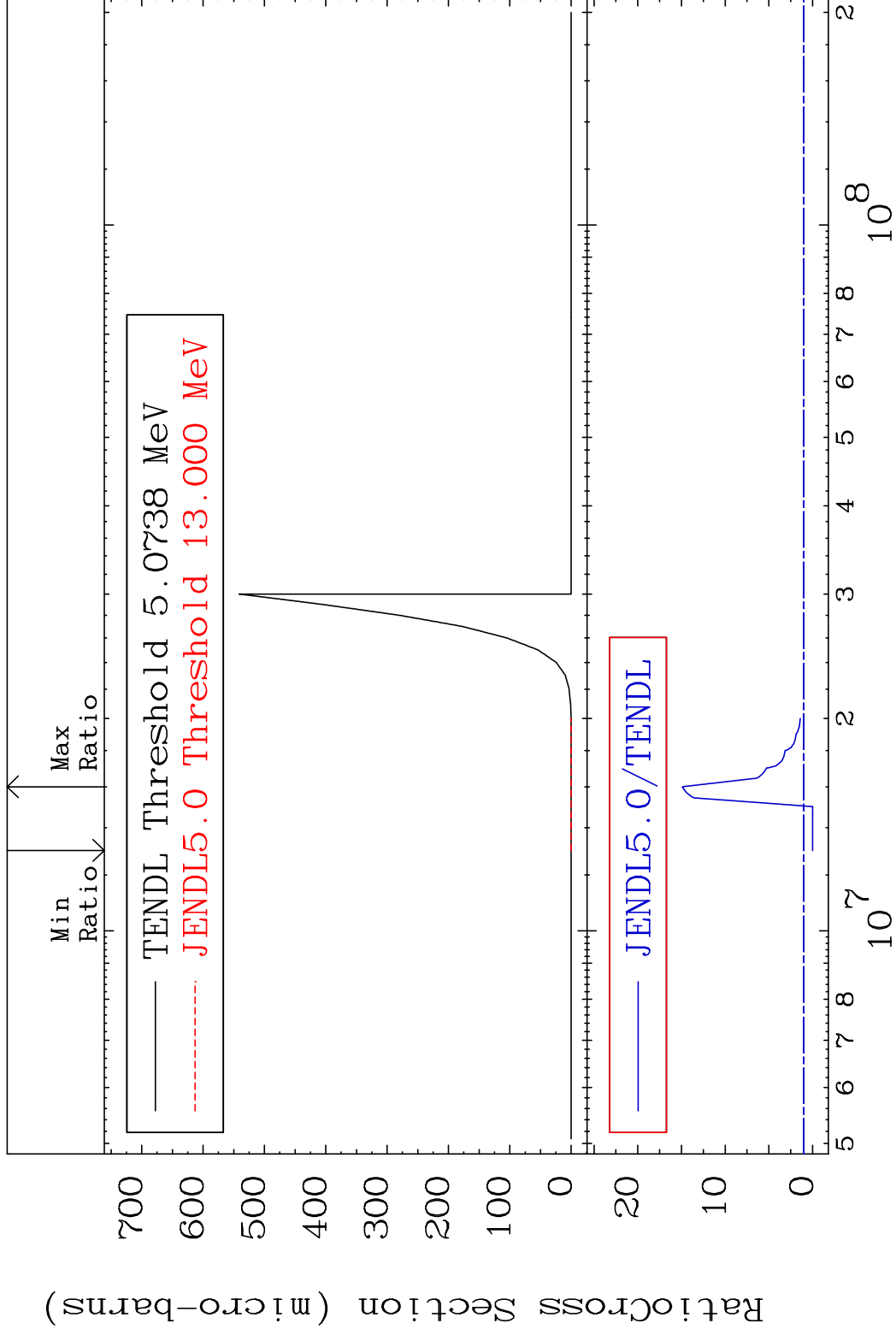
72-Hf-177

MAT 7234

(n, He-3)

72-Hf-177

Cross Section -100.0 To 1390. %



29

Incident Energy (eV)

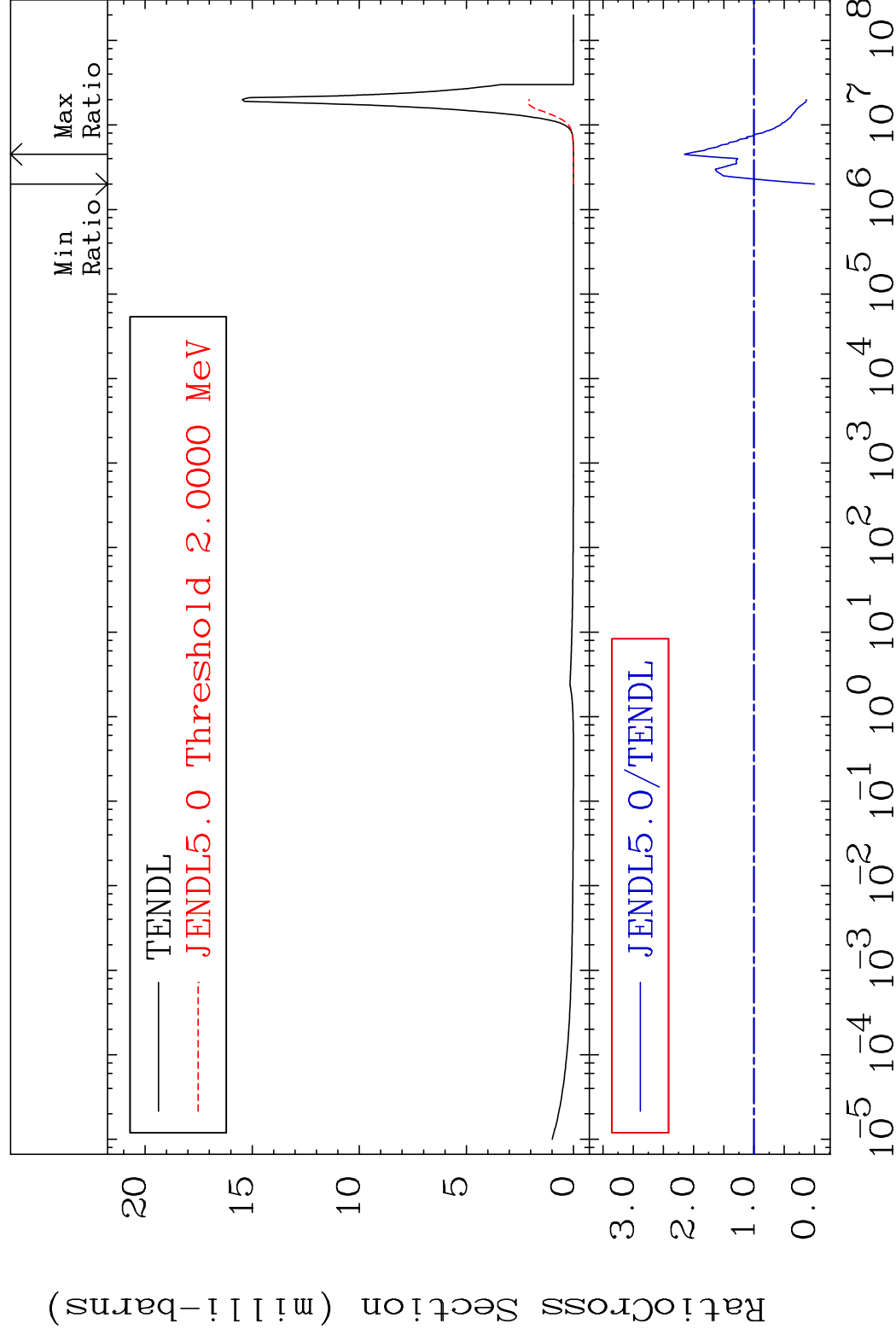
72-Hf-177

MAT 7234

(n, α)

72-Hf-177

Cross Section -100.0 To 115.1 %



30

Incident Energy (eV)

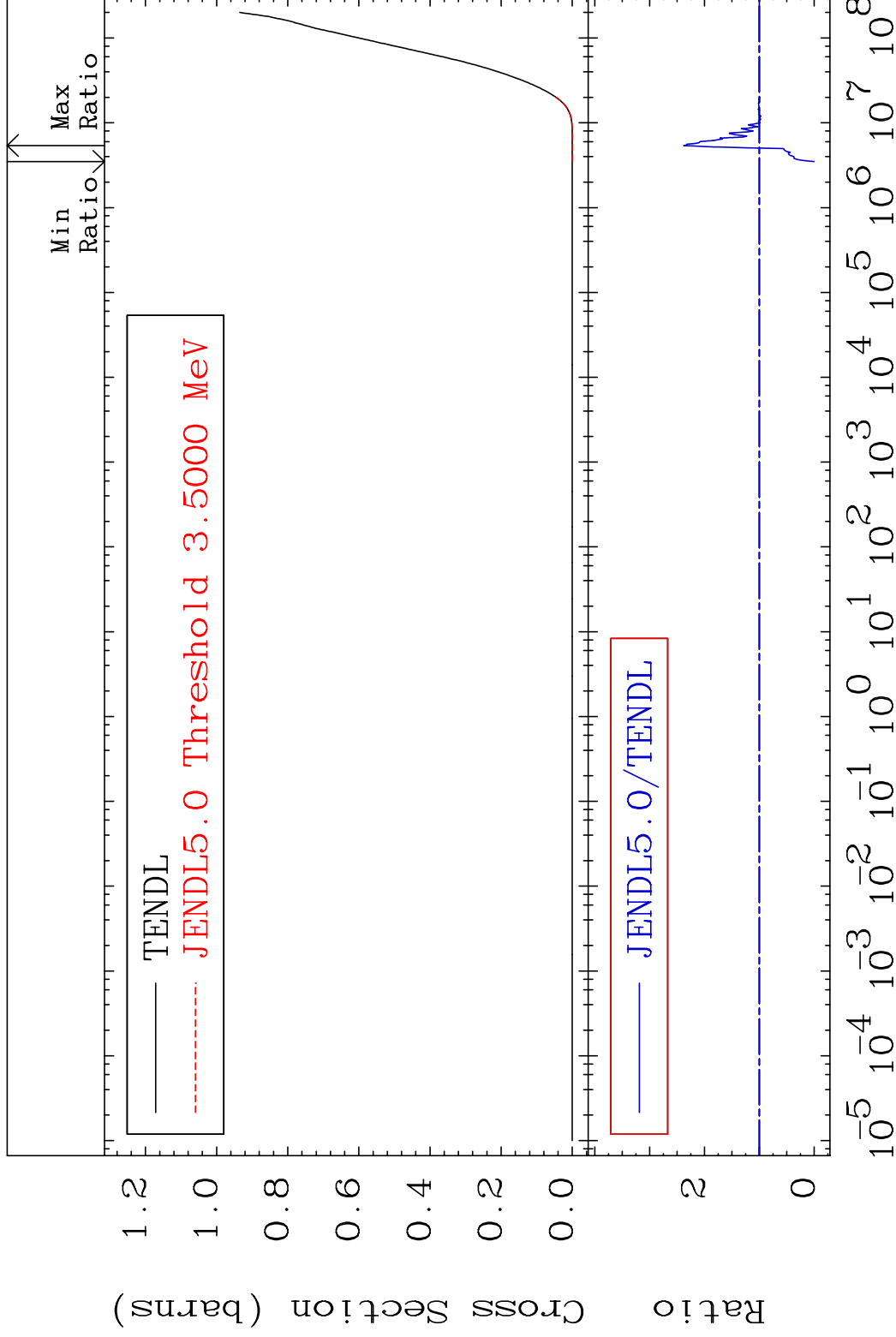
72-Hf-177

MAT 7234

Hydrogen Production

72-Hf-177

Cross Section -100.0 To 138.0 %



31

Incident Energy (eV)

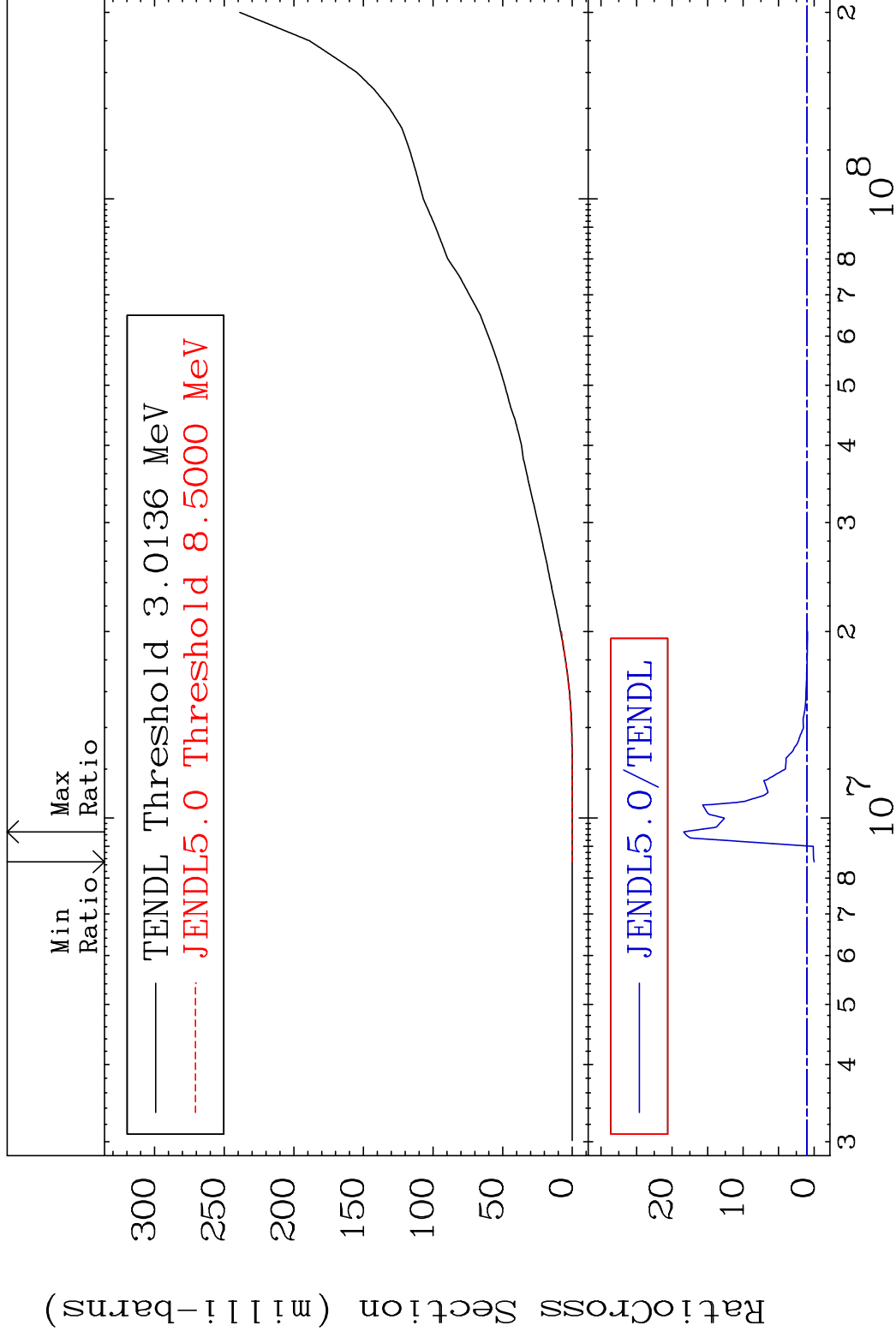
72-Hf-177

MAT 7234

Deuterium Production

72-Hf-177

Cross Section -100.0 To 1737. %

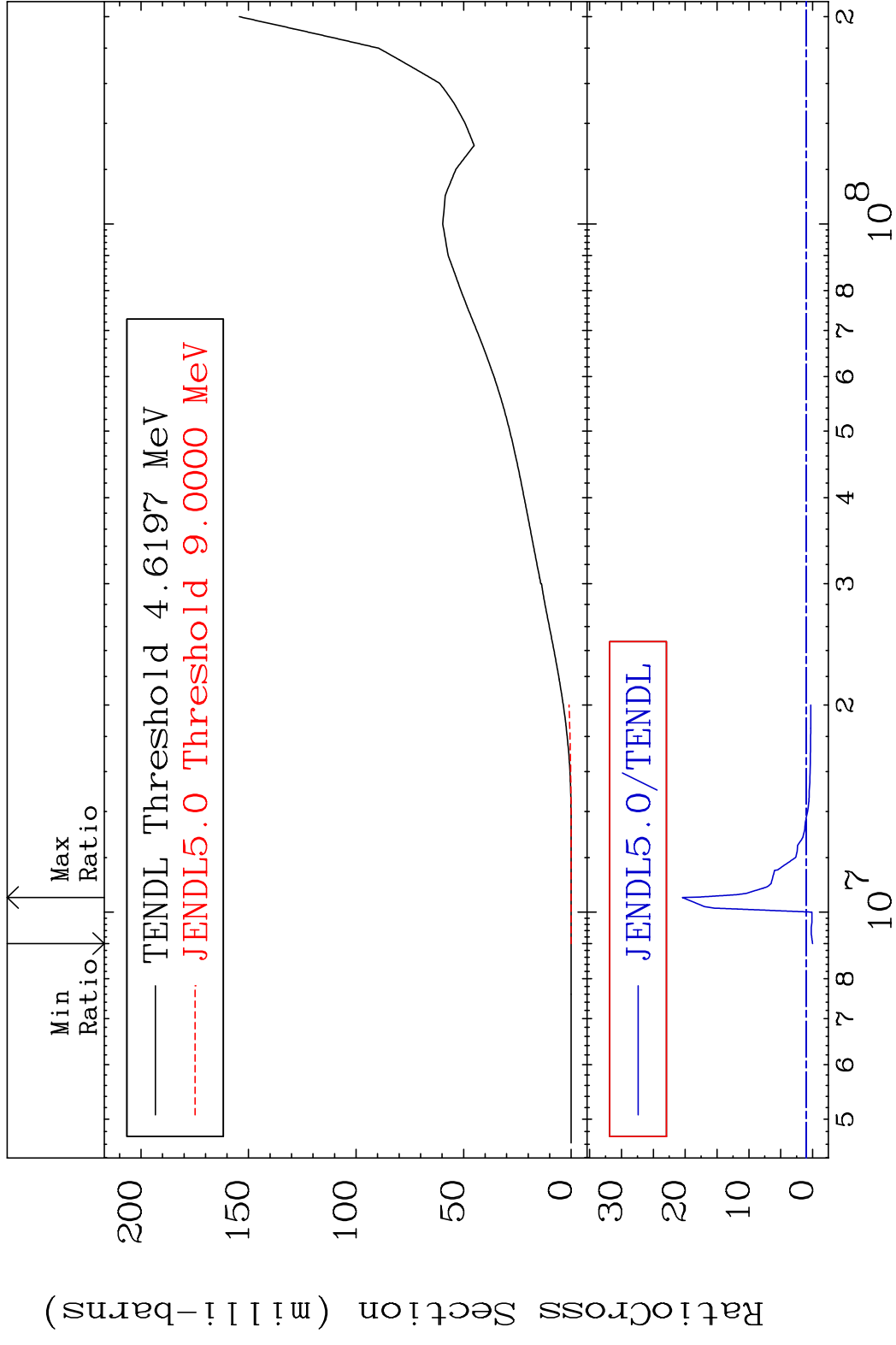


32

Incident Energy (eV)

72-Hf-177

MAT 7234 Tritium Production 72-Hf-177
 Cross Section -100.0 To 1944. %

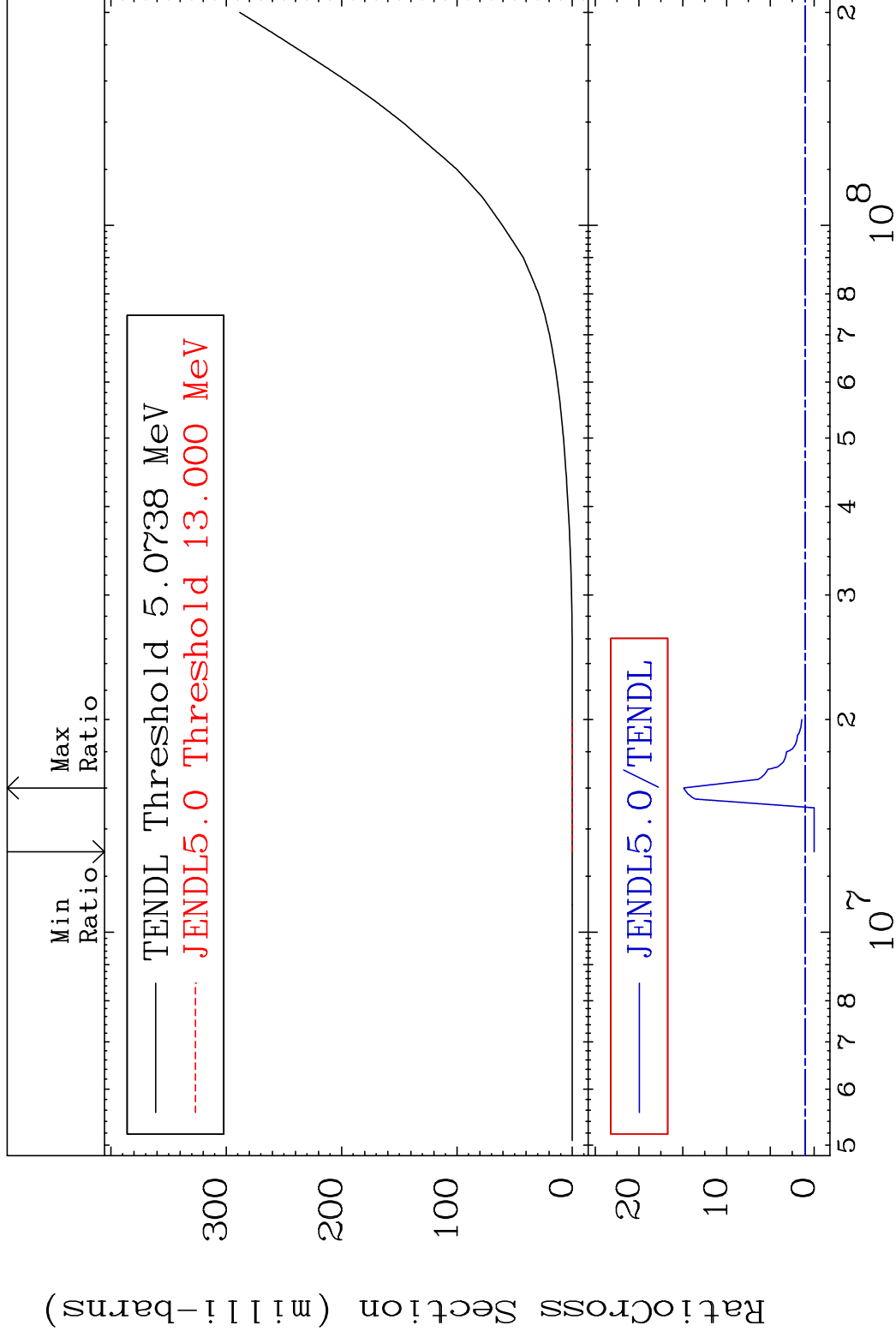


MAT 7234

He-3 Production

72-Hf-177

Cross Section -100.0 To 1390. %



34

Incident Energy (eV)

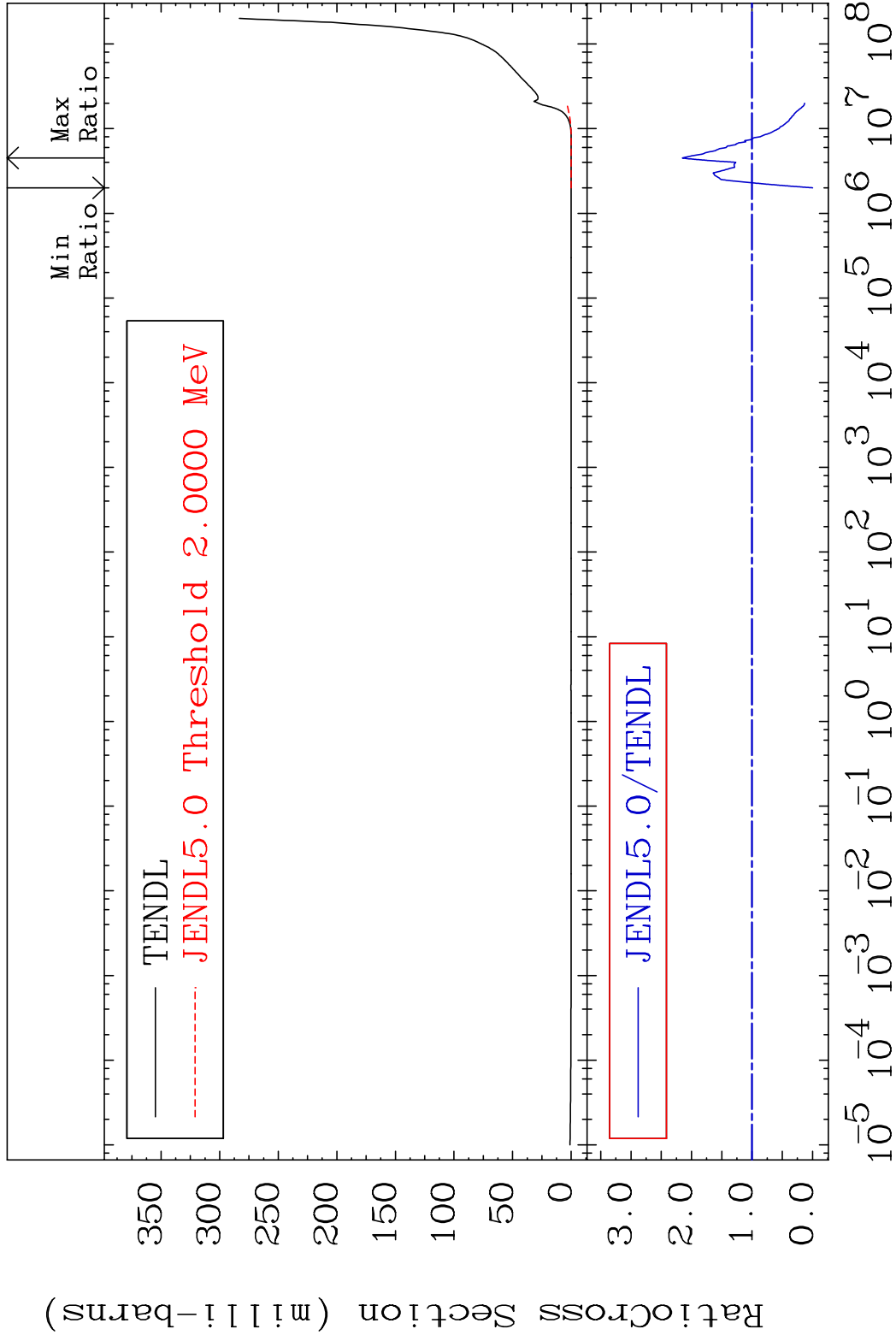
72-Hf-177

MAT 7234

He-4 Production

72-Hf-177

Cross Section -100.0 To 115.1 %

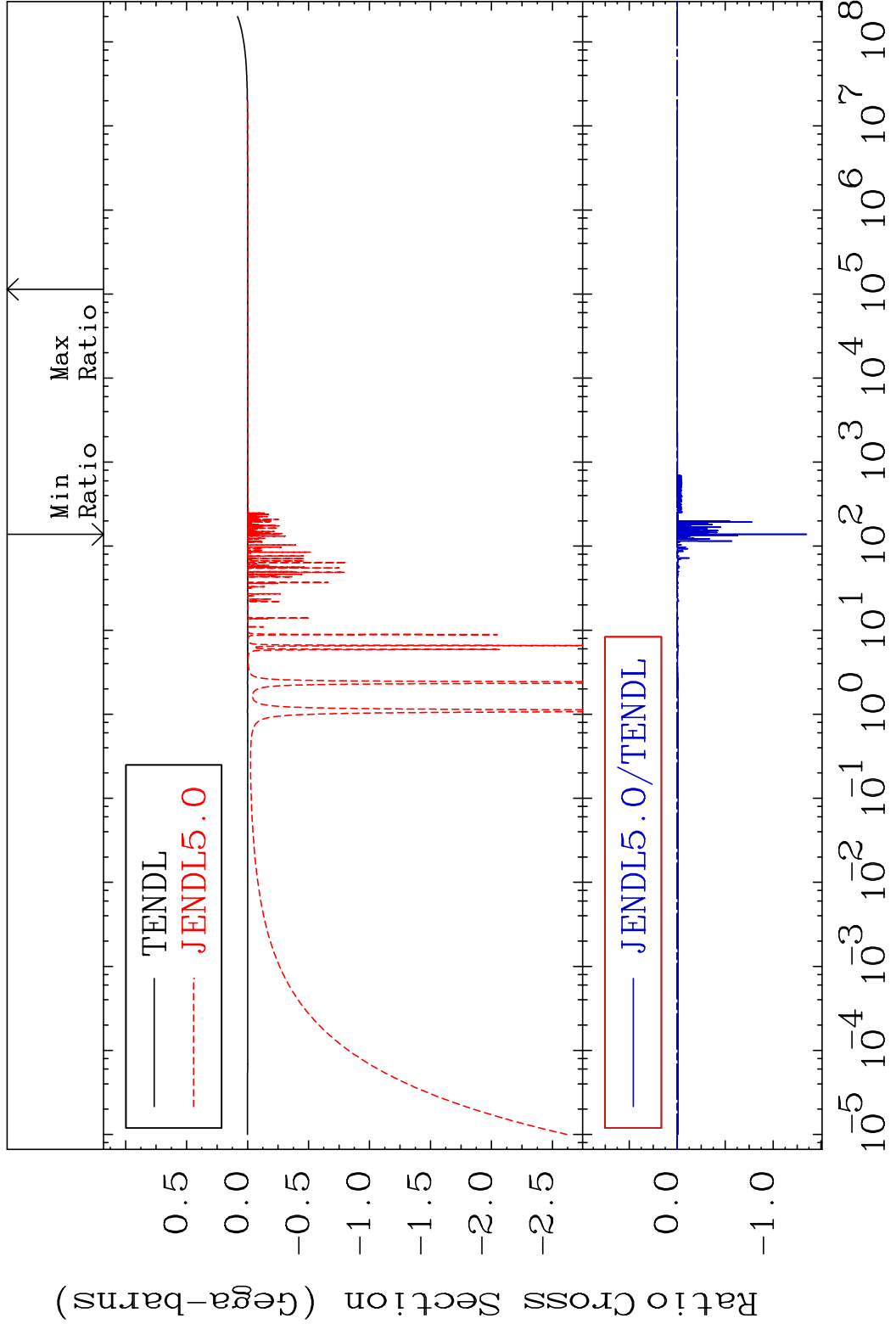


35

Incident Energy (eV)

72-Hf-177

MAT 7234 Kerma total (eV-barns) 72-Hf-177
 Cross Section -9999. To 3675. %

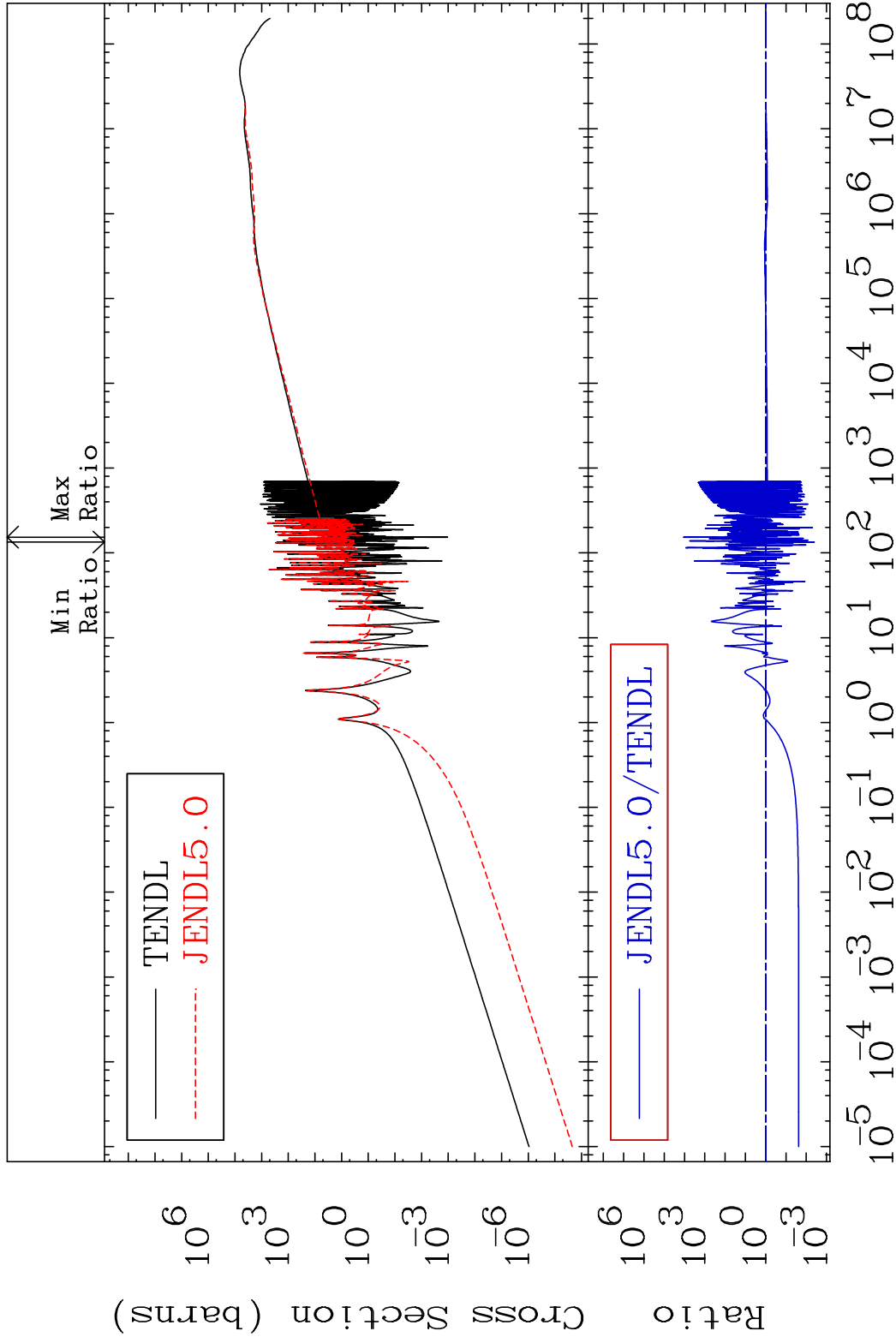


MAT 7234

Kerma elastic

72-Hf-177

Cross Section -99.59 To 9999. %

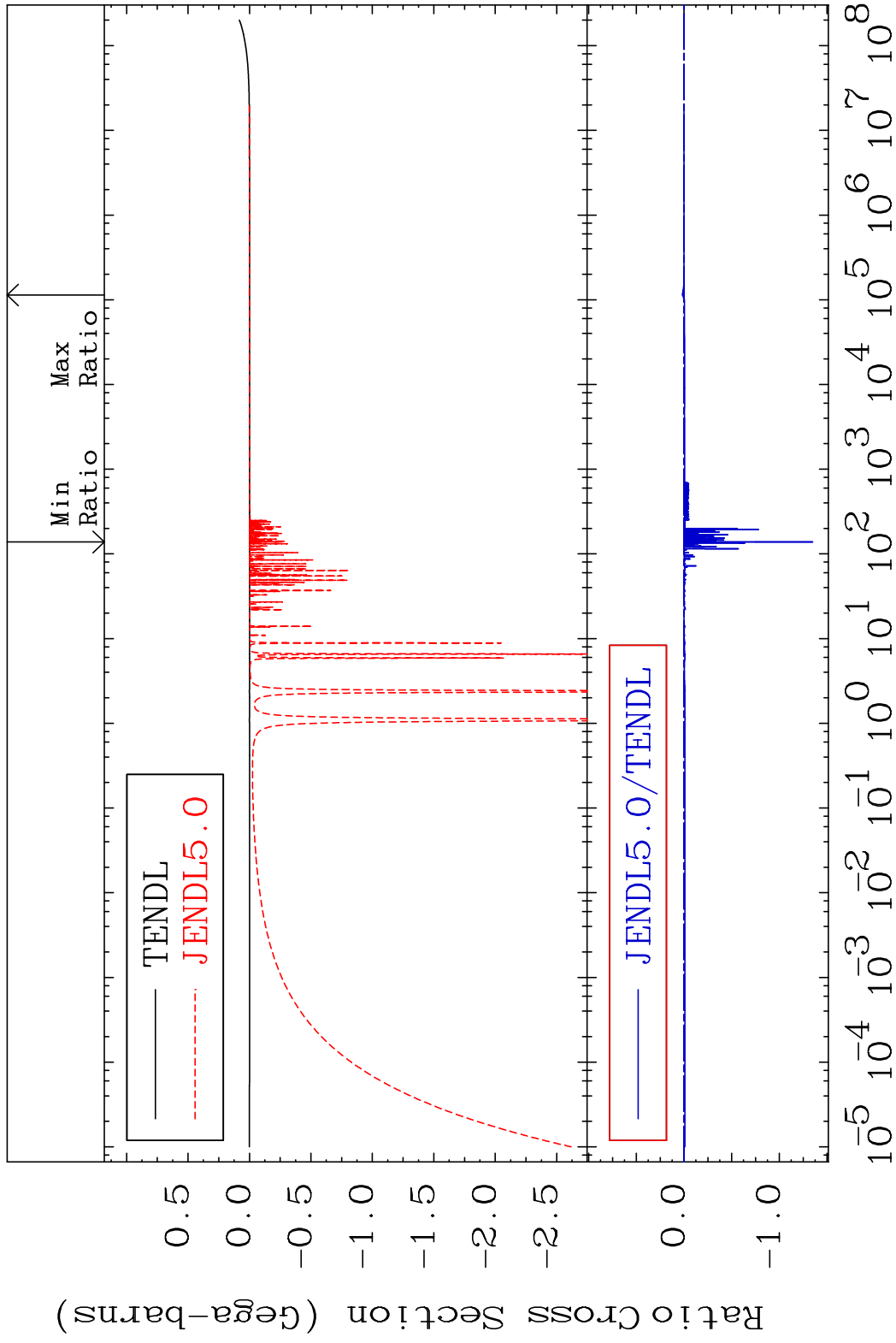


37

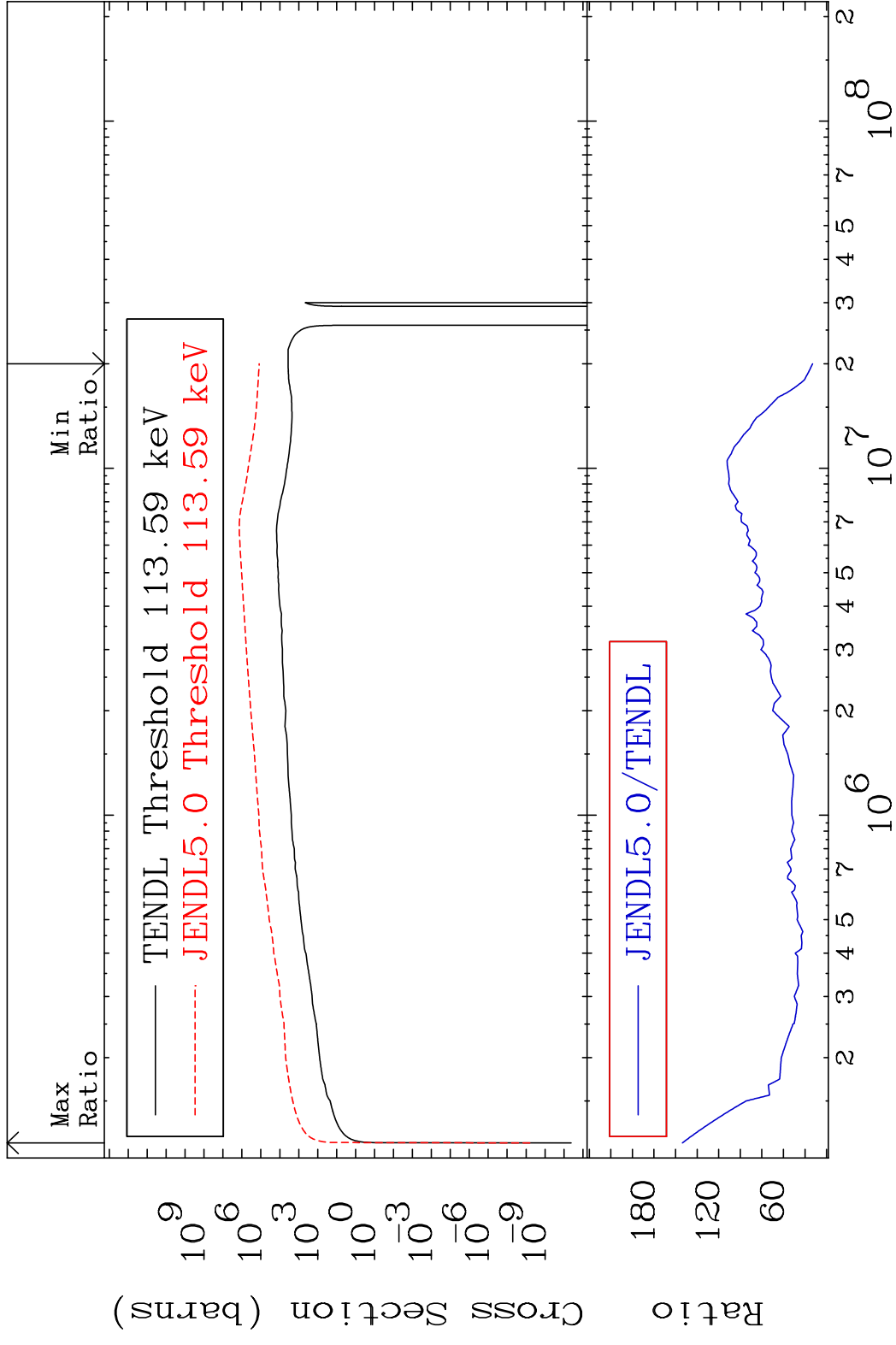
Incident Energy (eV)

72-Hf-177

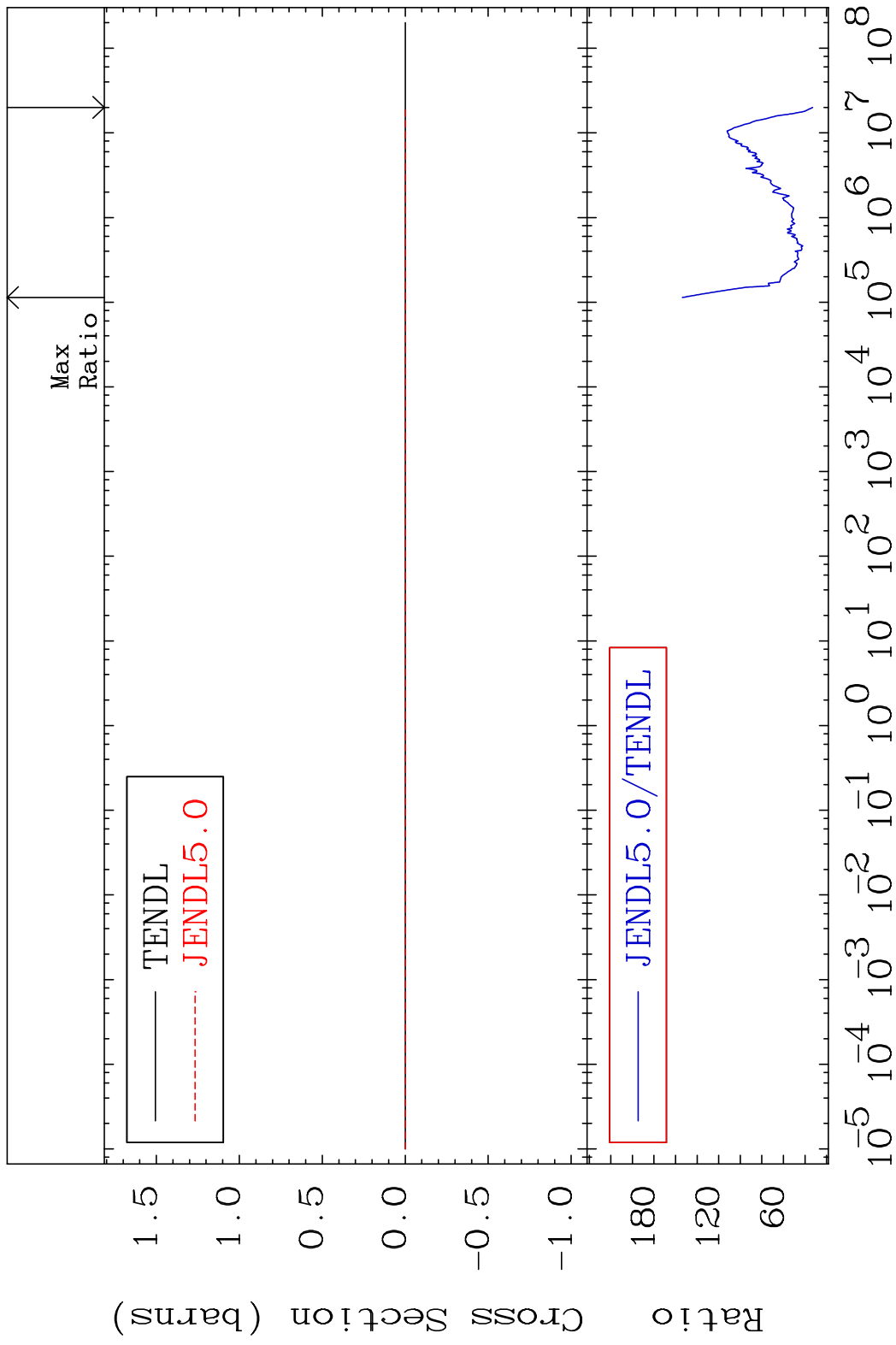
MAT 7234 Kerma non-elastic (all but mt2) 72-Hf-177
 Cross Section -9999. To 9999. %



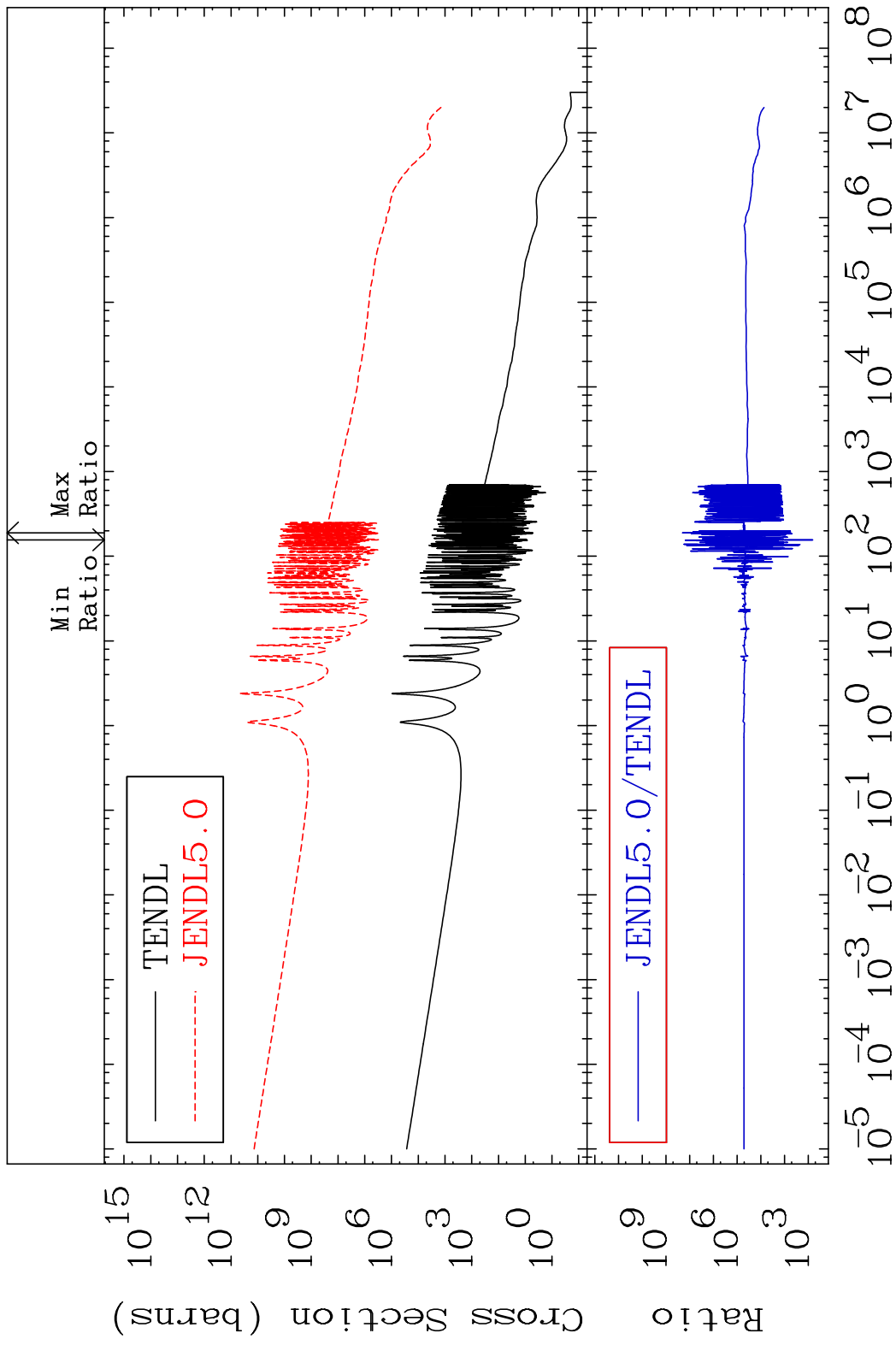
MAT 7234 Kerma inelastic (mt51-91) 72-Hf-177
 Cross Section 3197. To 9999. %



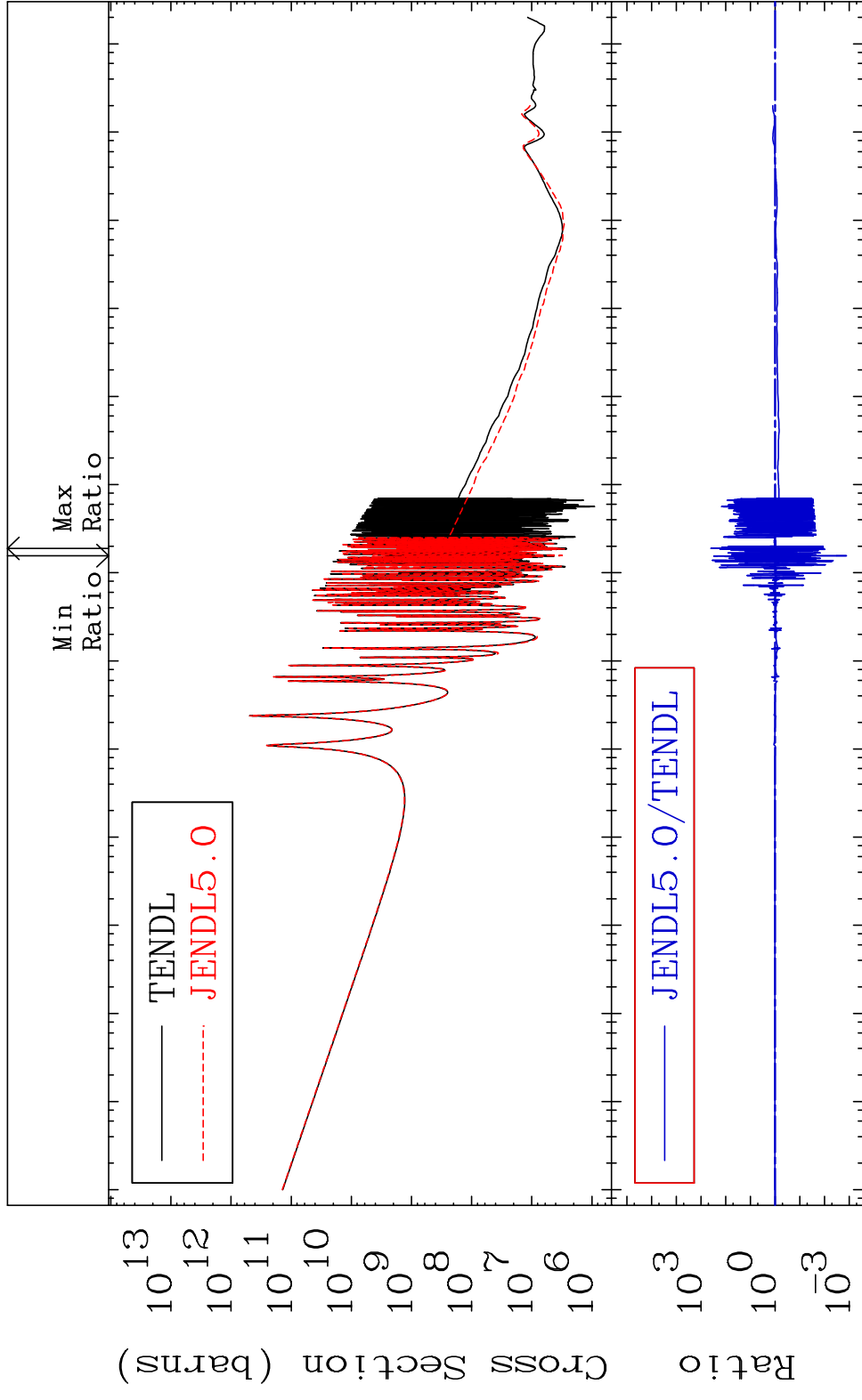
MAT 7234 Kerma fission (mt18 or mt19-20-21-38)72-Hf-177
Cross Section 3197. To 9999. %



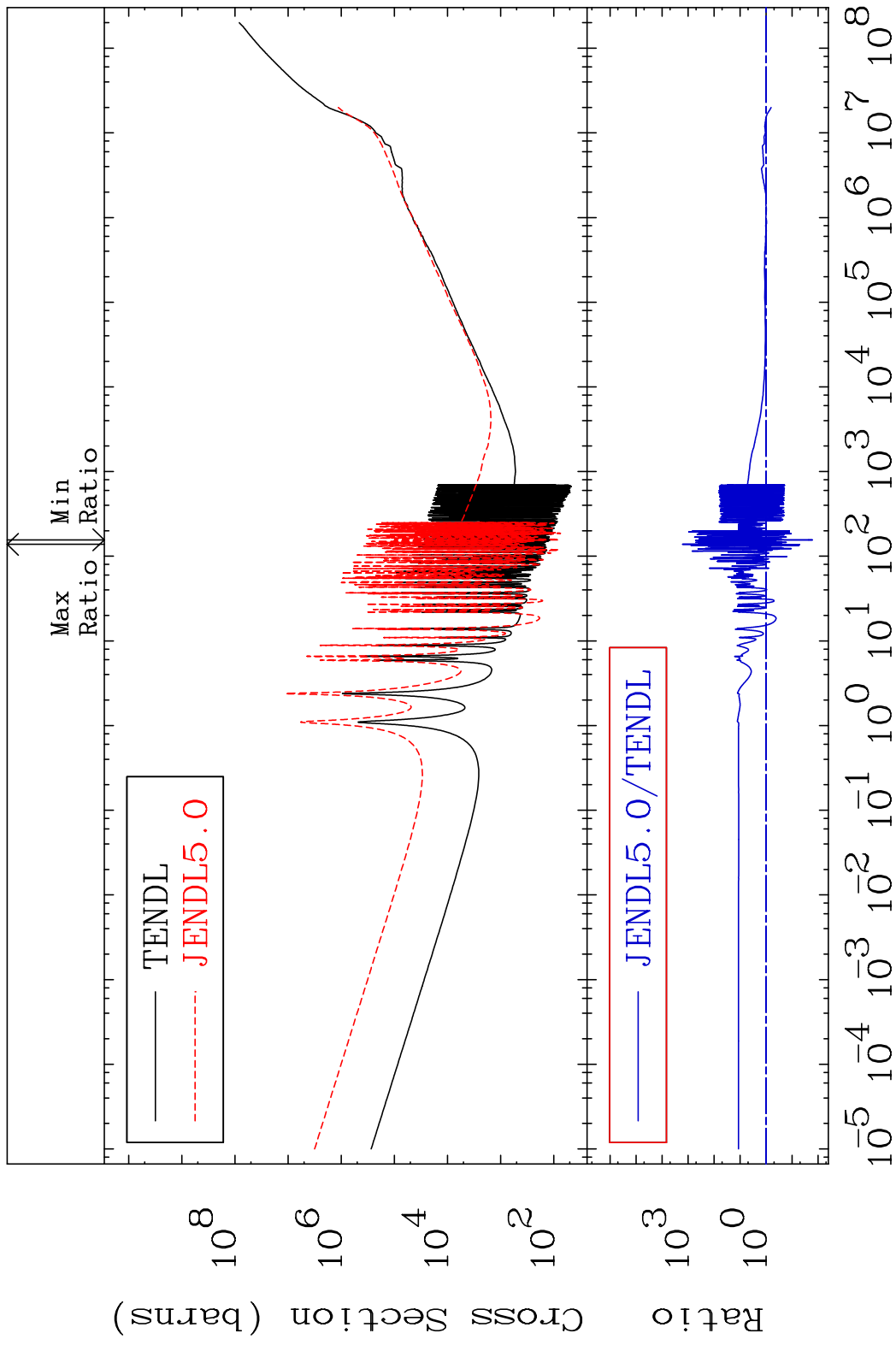
MAT 7234 Kerma capture (mt102) 72-Hf-177
 Cross Section 9999. To 9999. %



MAT 7234 Total photon (eV-barns) 72-Hf-177
 Cross Section -99.87 To 9999. %



MAT 7234 Total kinematic kerma (high limit) 72-Hf-177
 Cross Section -98.35 To 9999. %

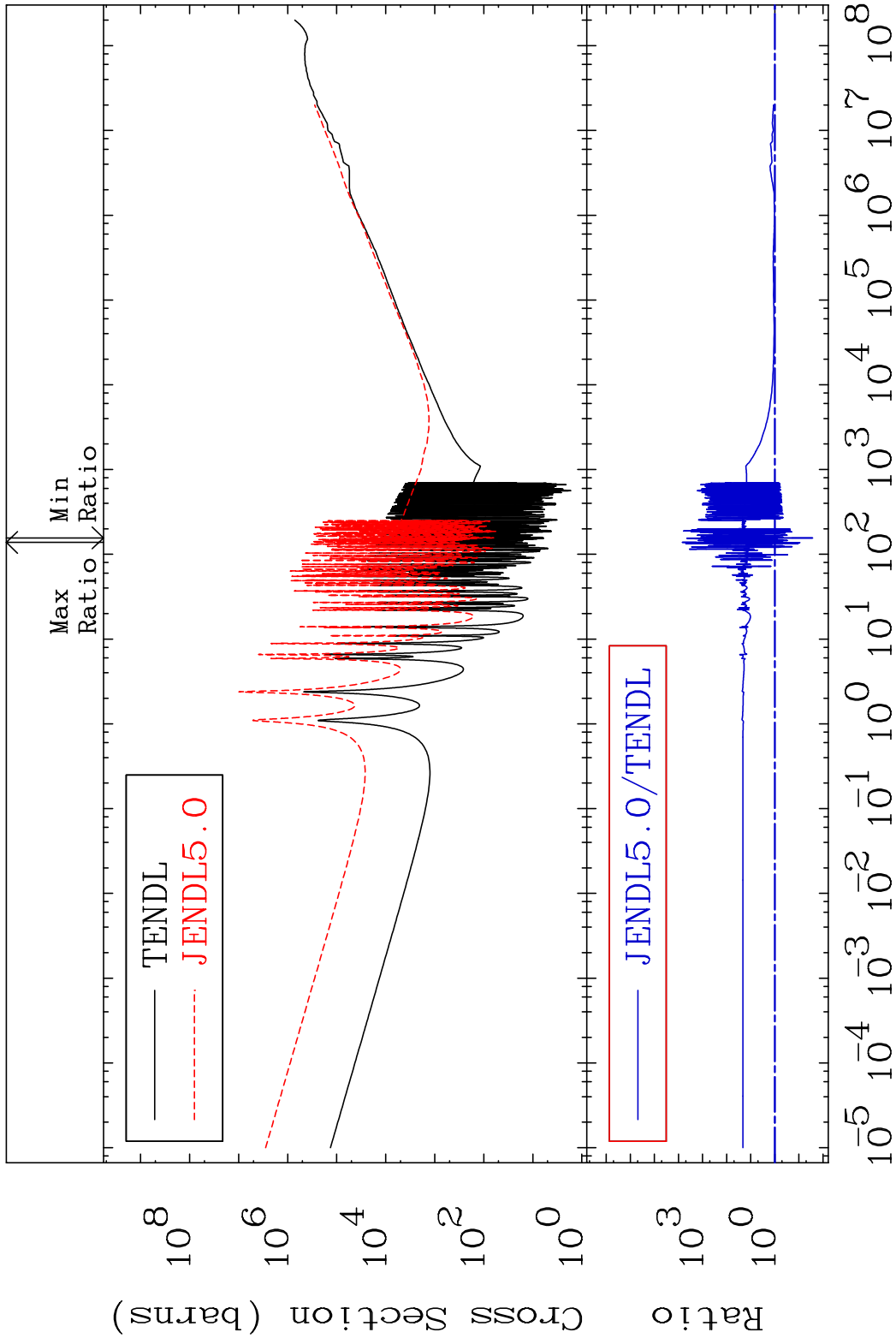


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -97.28 To 9999. %



44

Incident Energy (eV)

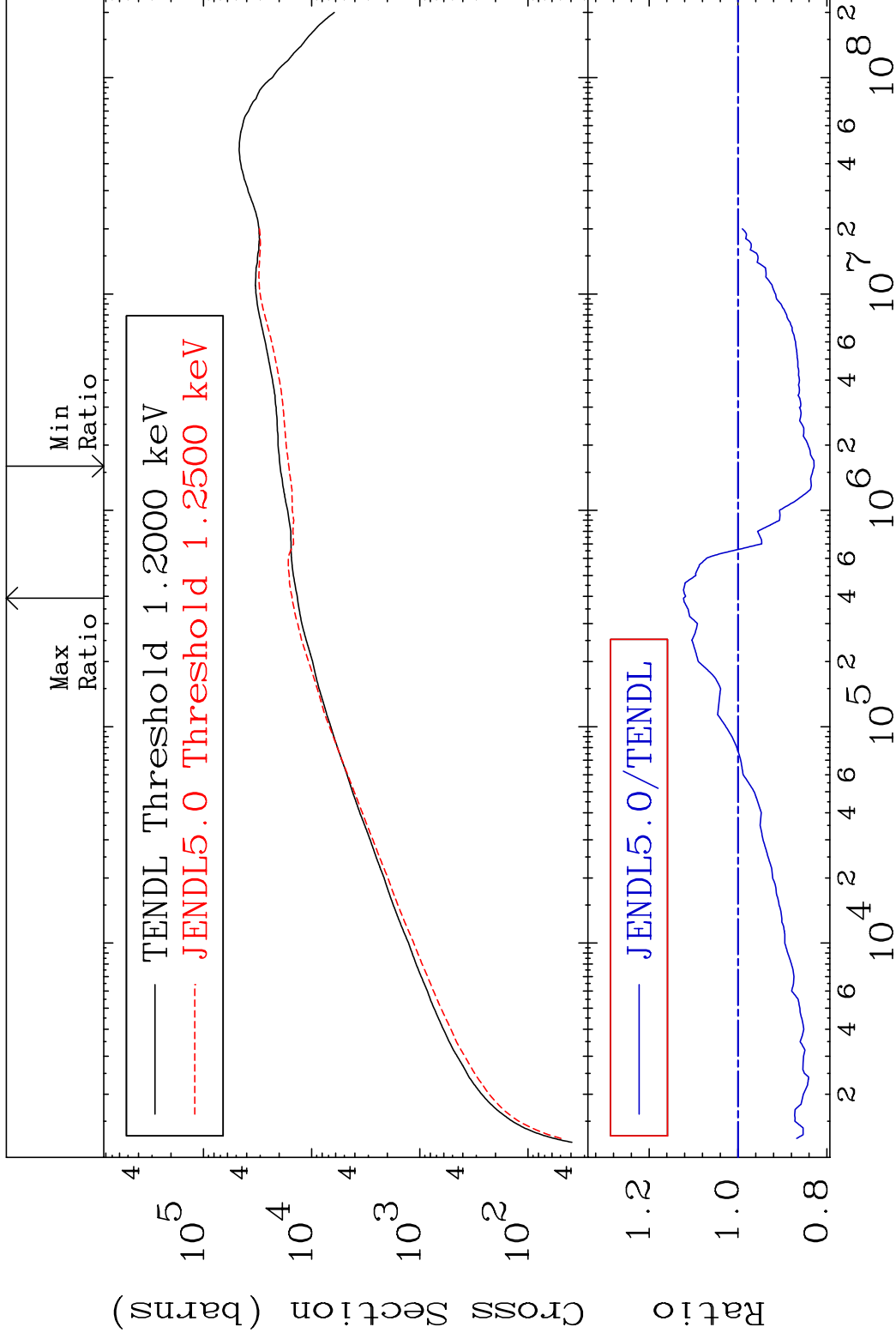
72-Hf-177

MAT 7234

Dpa elastic (mt2)

72-Hf-177

Cross Section -17.10 To 12.27 %

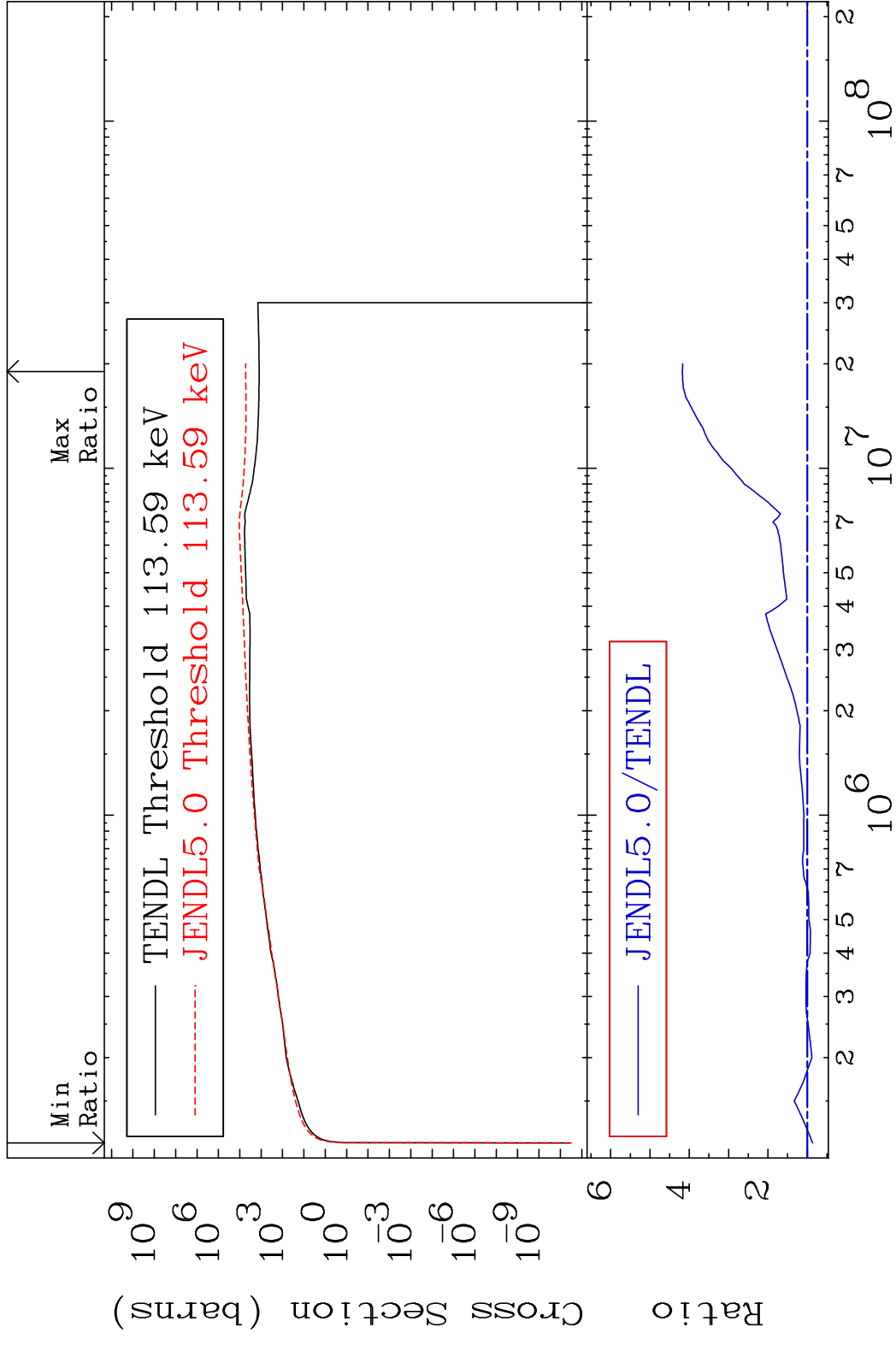


45

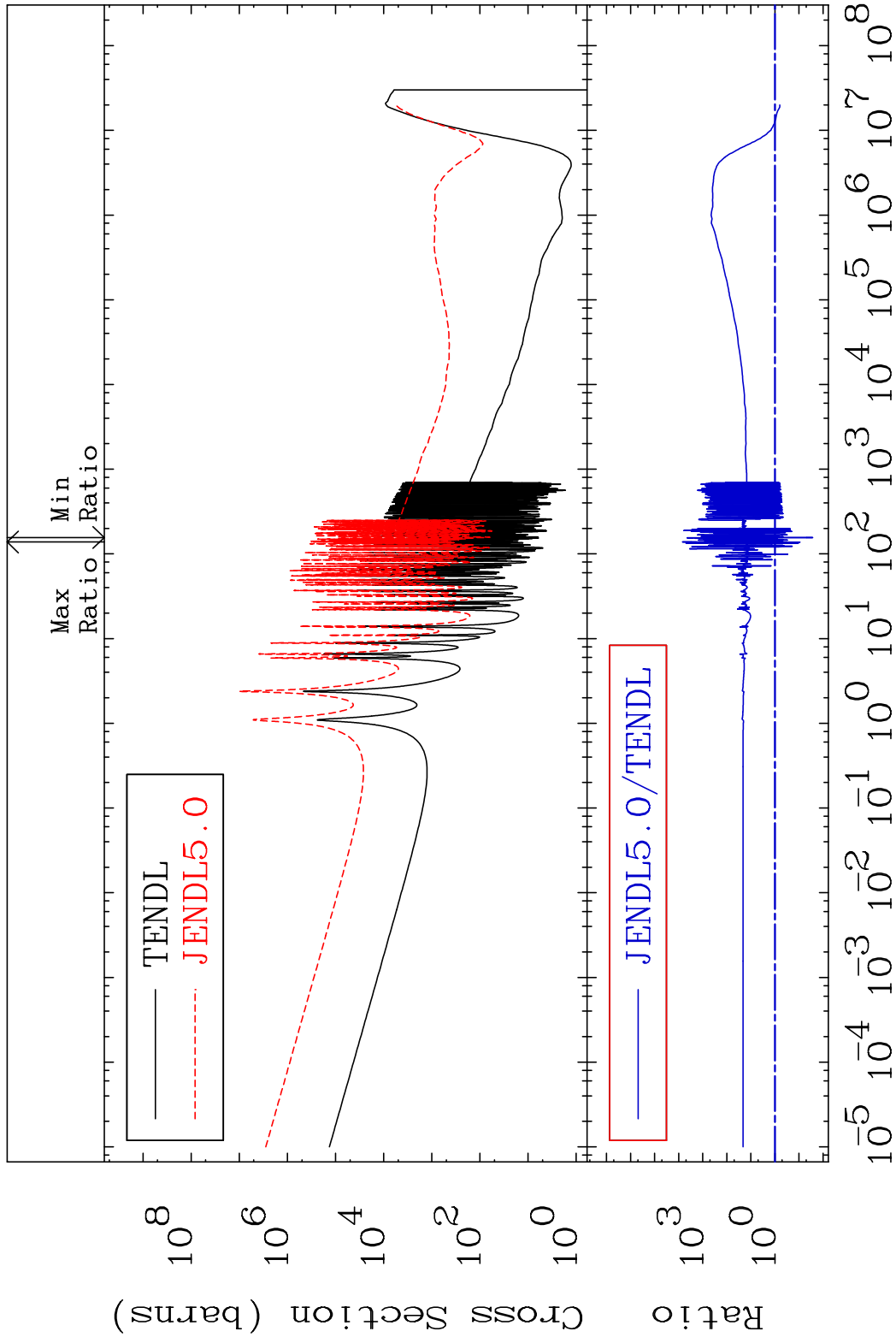
Incident Energy (eV)

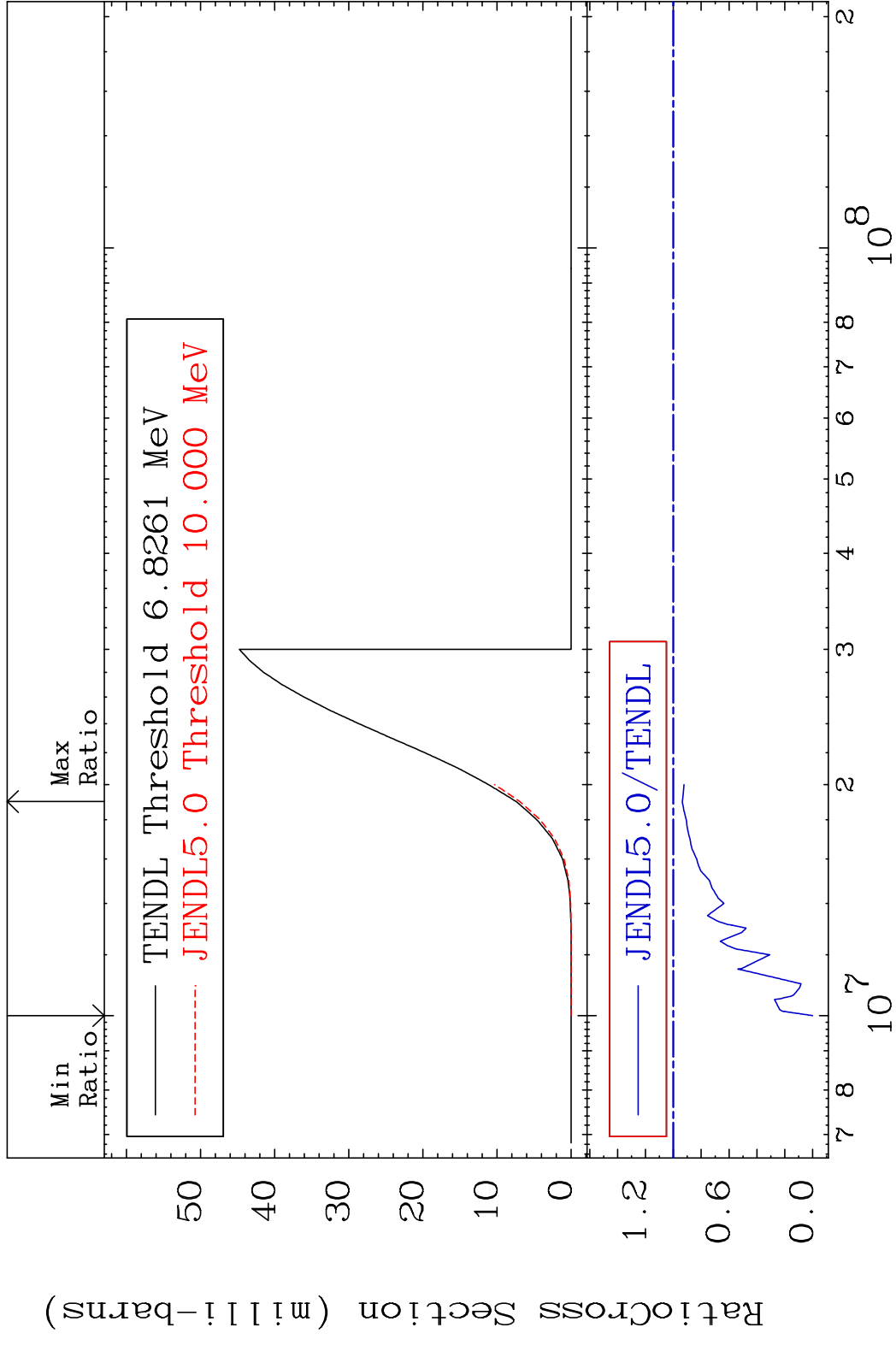
72-Hf-177

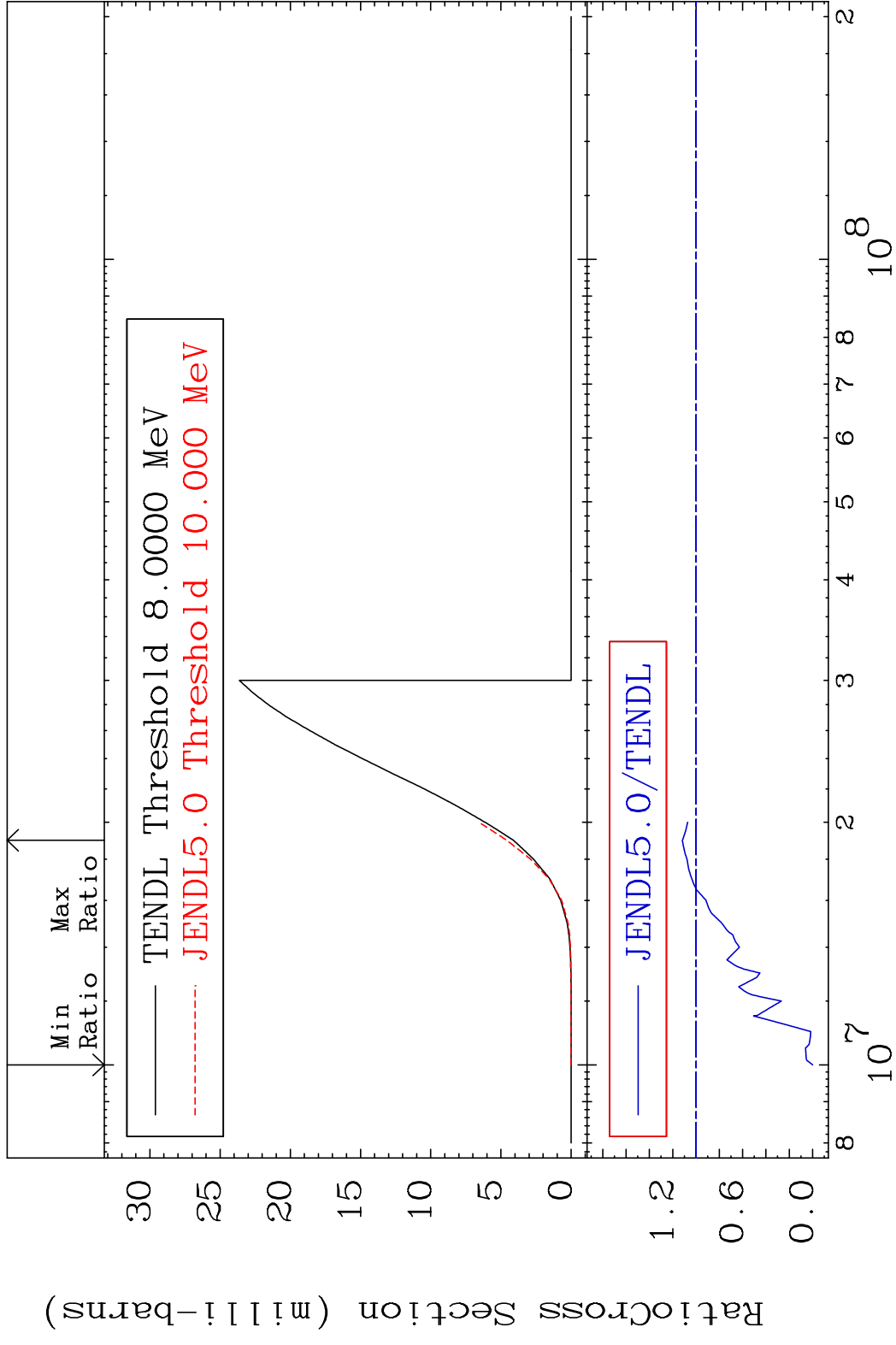
MAT 7234 Dpa inelastic (mt51-91) 72-Hf-177
 Cross Section -13.37 To 317.6 %



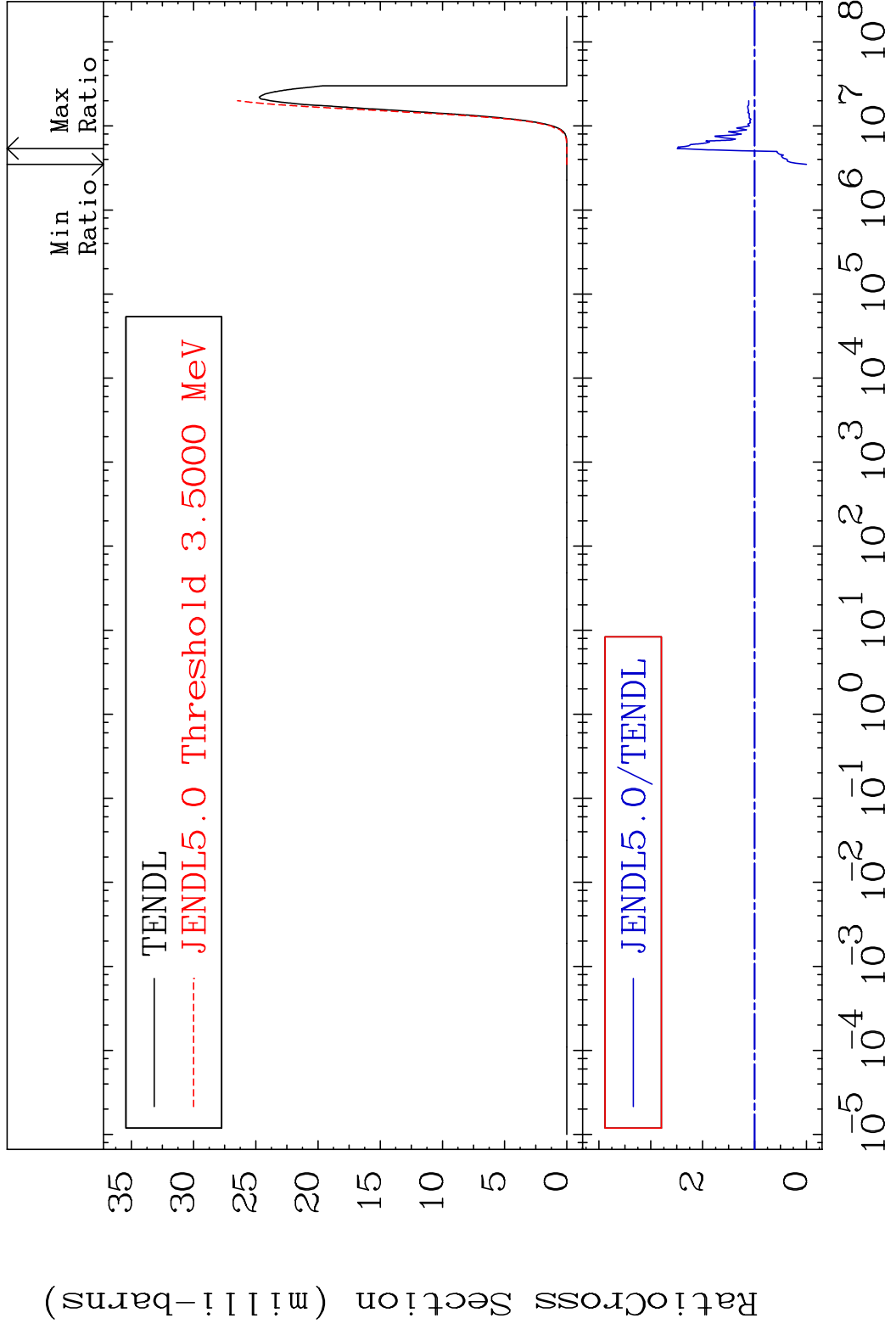
MAT 7234 Dpa disappearance (mt102 -120) 72-Hf-177
 Cross Section -97.28 To 9999. %

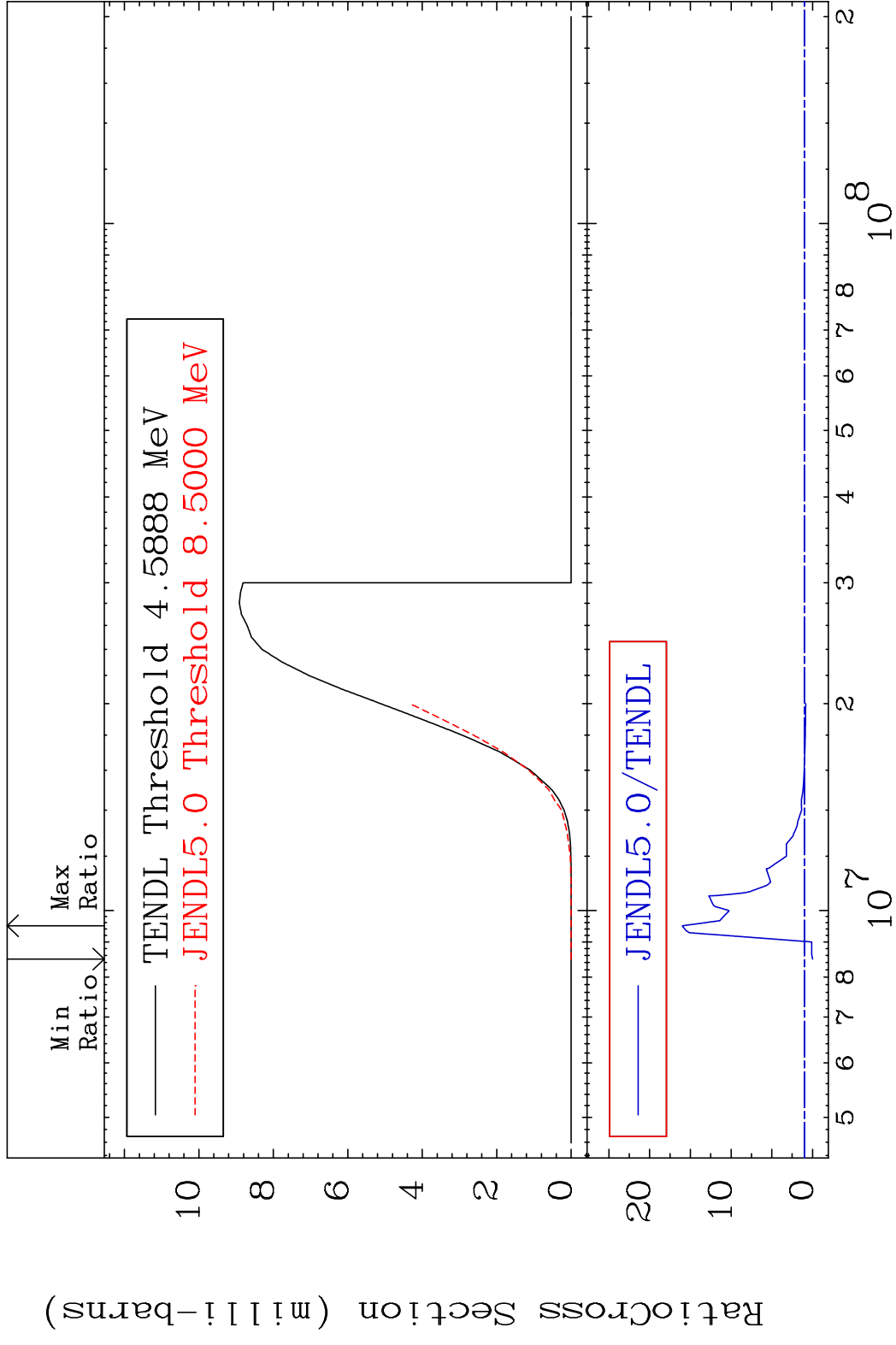


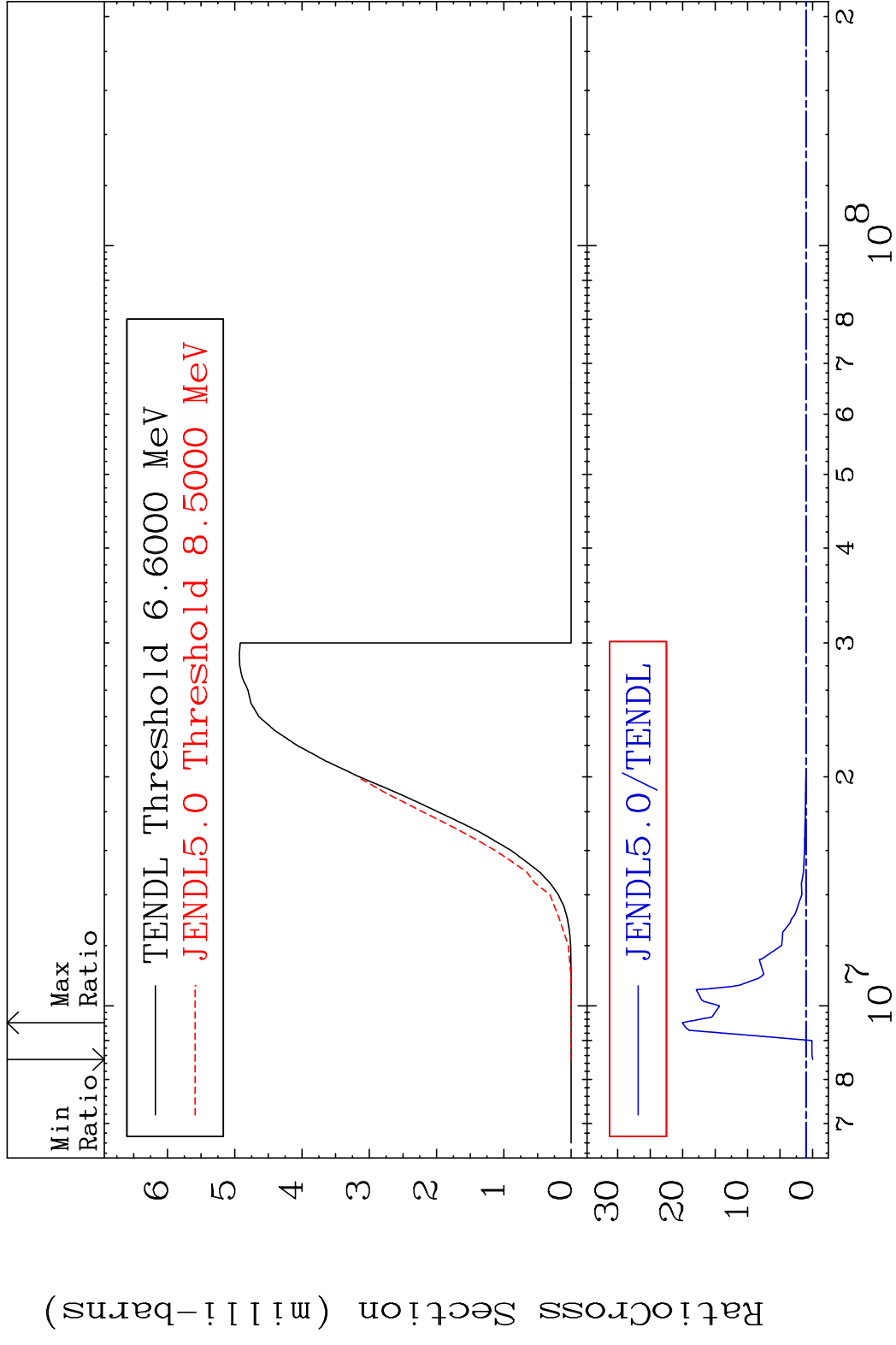




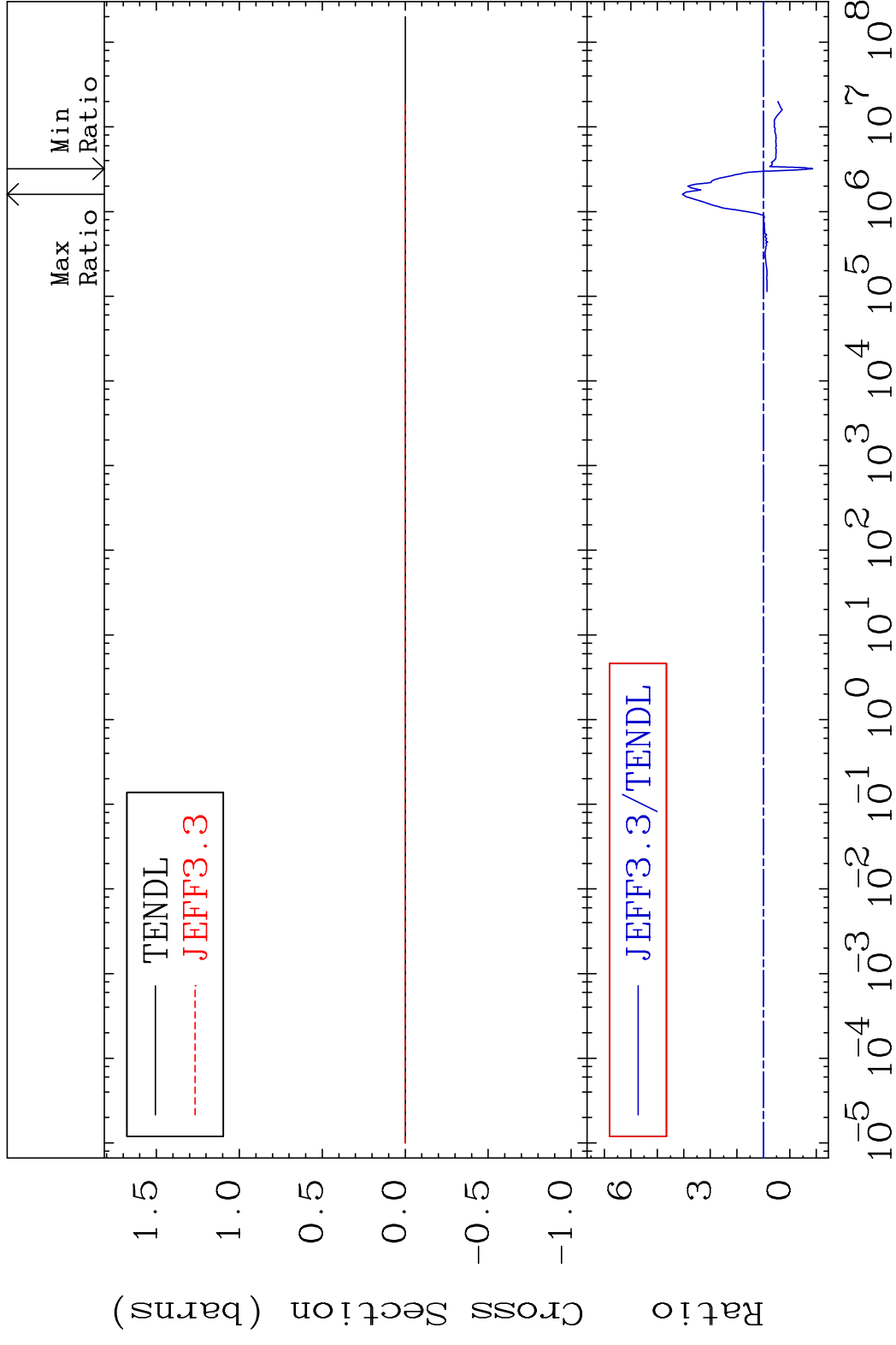
MAT 7234 (n,p):71-Lu-177g 72-Hf-177
 Radionuclide Production Cross Section 180.0 dth 149.2 %



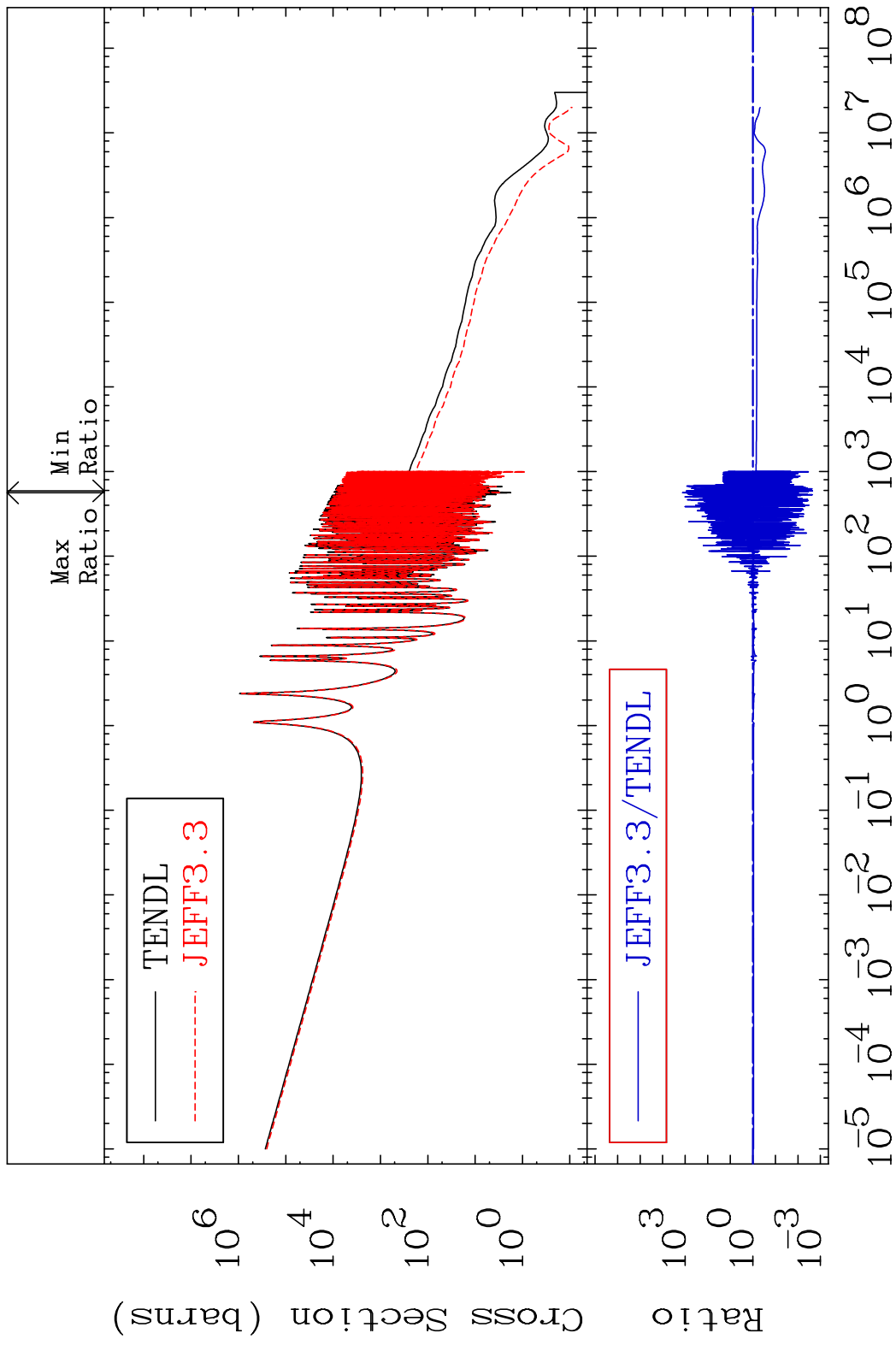




MAT 7234 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-177
 Cross Section -185.8 To 305.5 %



MAT 7234 Kerma capture (mt102) 72-Hf-177
 Cross Section -99.78 To 9999. %

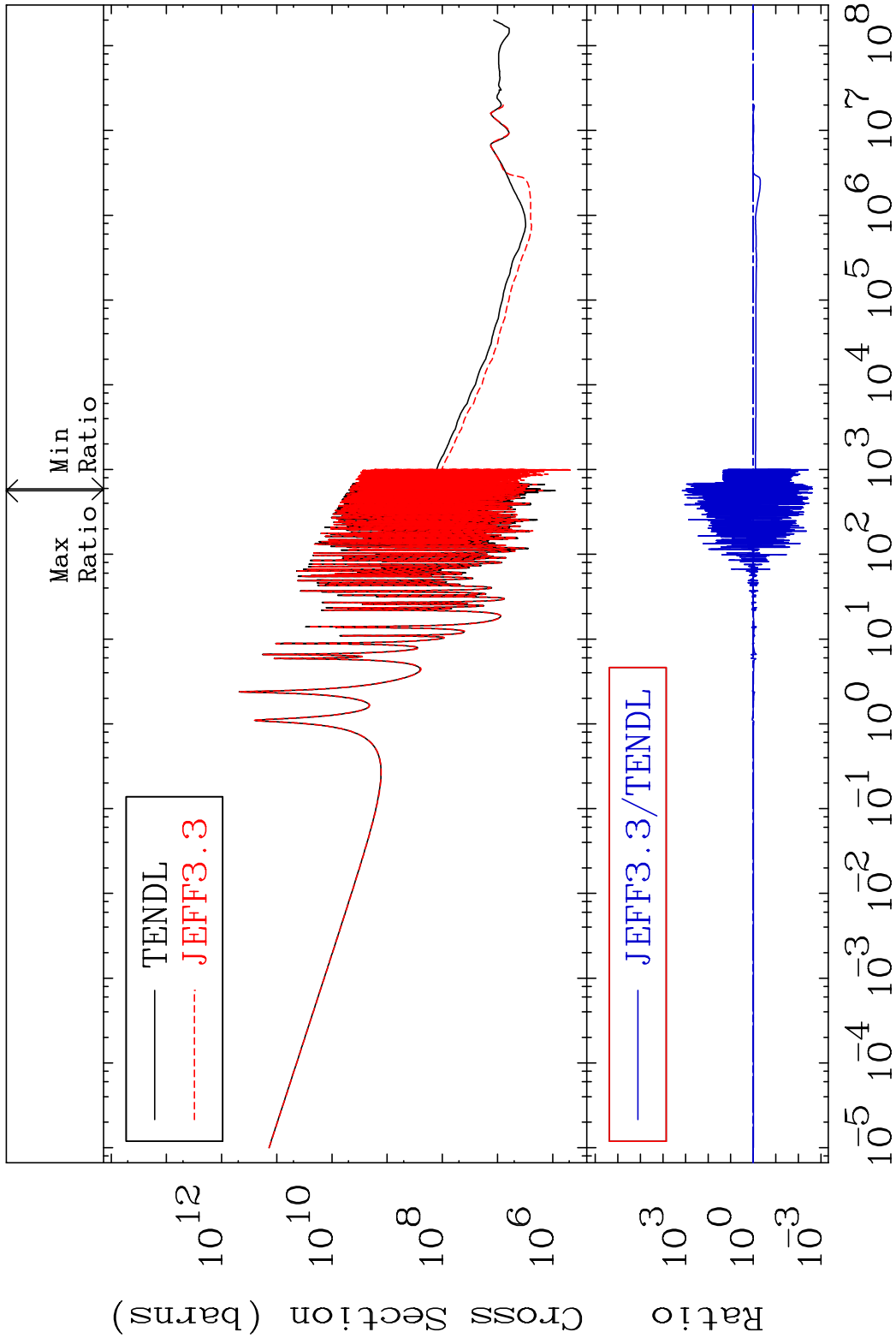


MAT 7234

Total photon (eV-barns)

72-Hf-177

Cross Section -99.76 To 9999. %

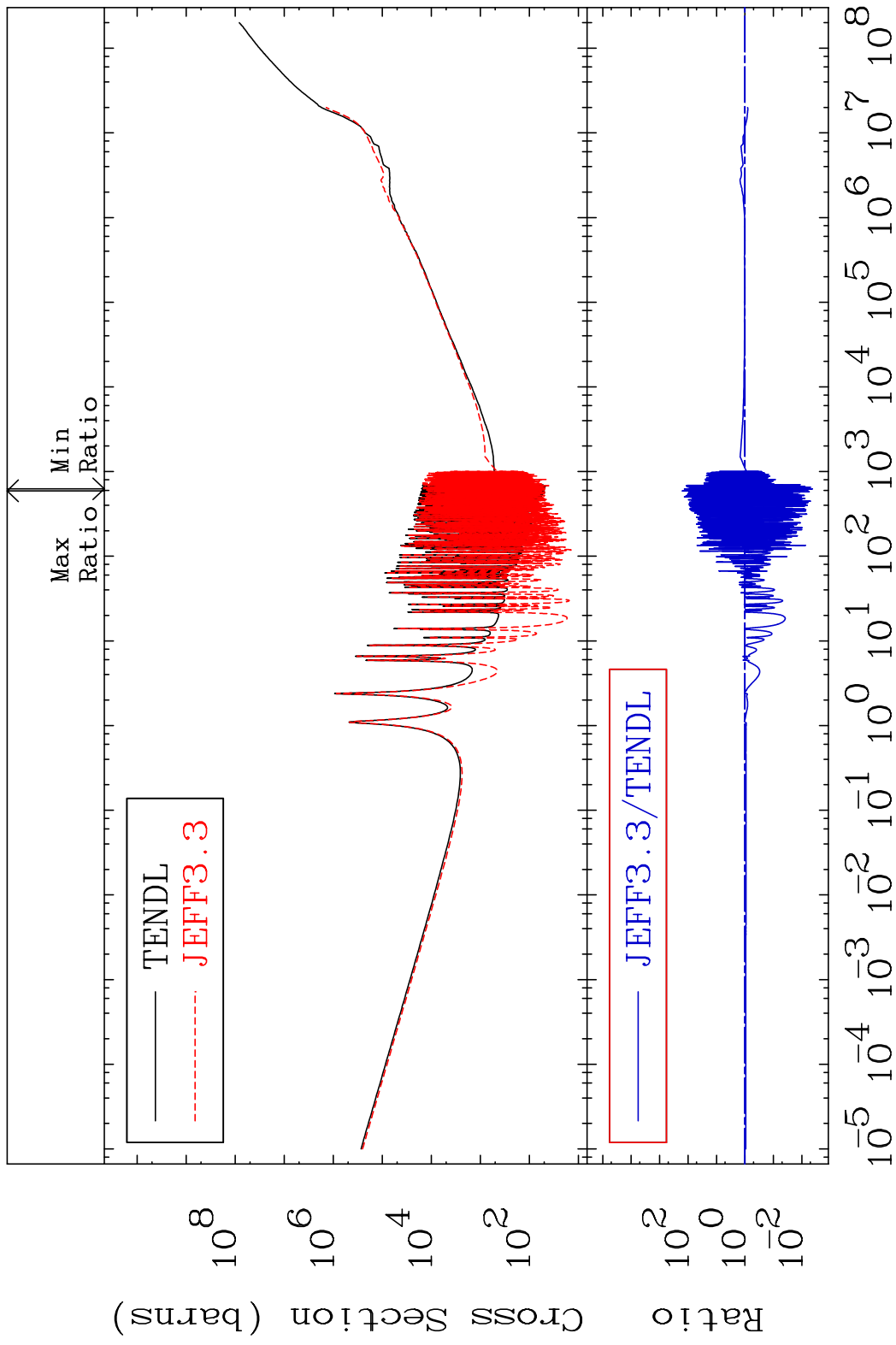


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Incident Energy (eV)

72-Hf-177

MAT 7234 Total kinematic kerma (high limit) 72-Hf-177
 Cross Section -99.58 To 9999. %

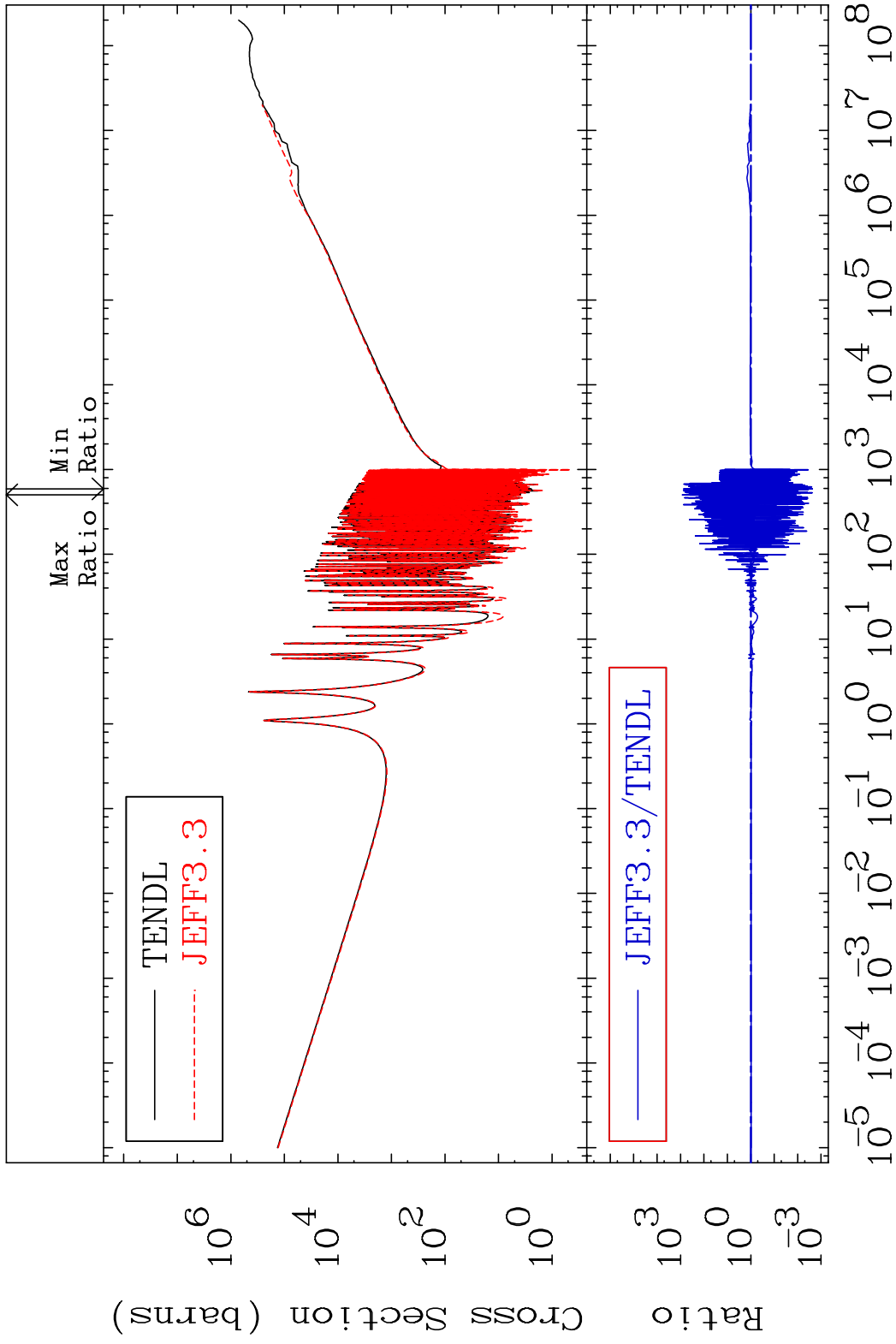


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -99.77 To 9999. %



57

Incident Energy (eV)

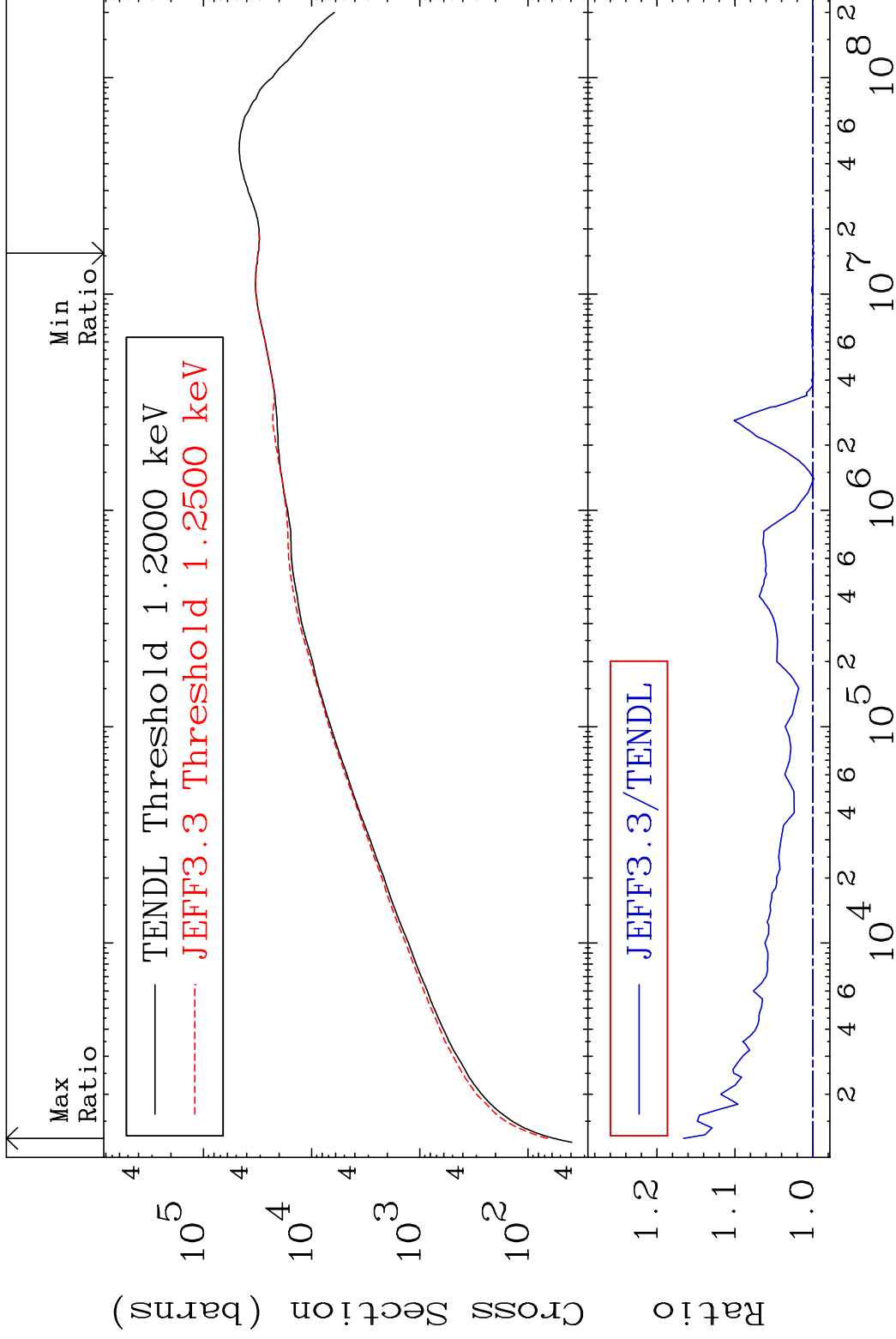
72-Hf-177

MAT 7234

Dpa elastic (mt2)

72-Hf-177

Cross Section -0.168 To 16.60 %

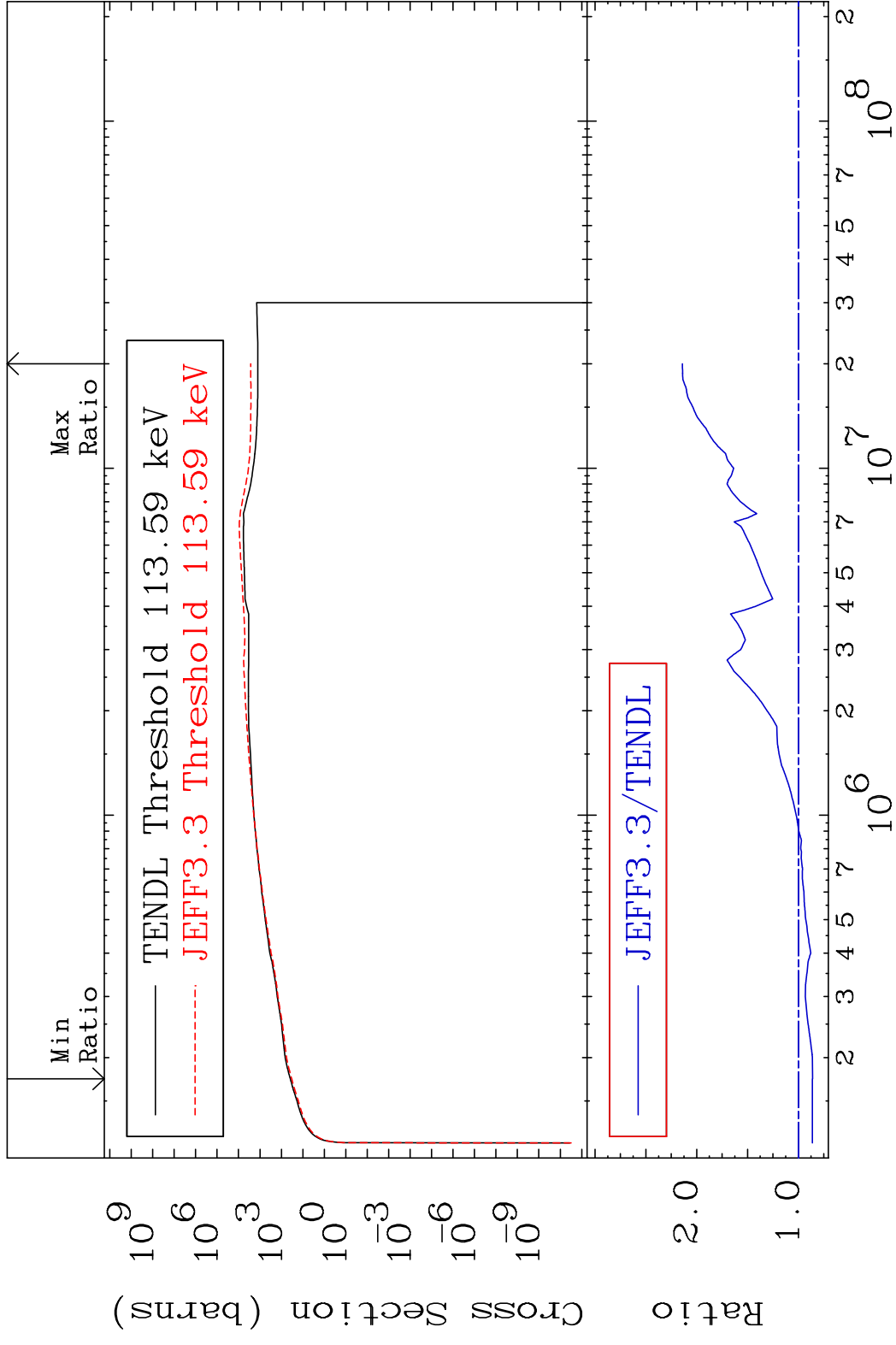


58

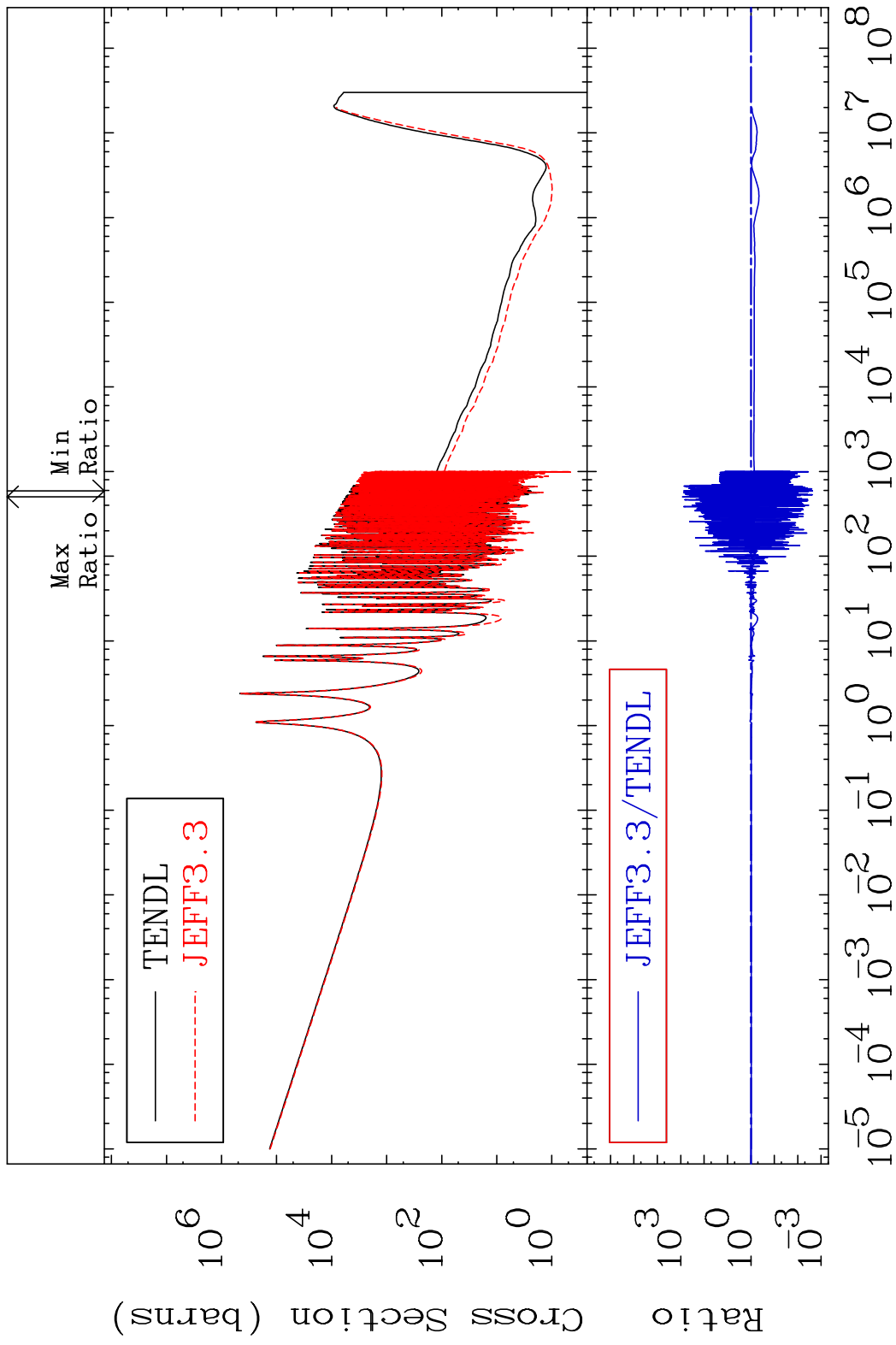
Incident Energy (eV)

72-Hf-177

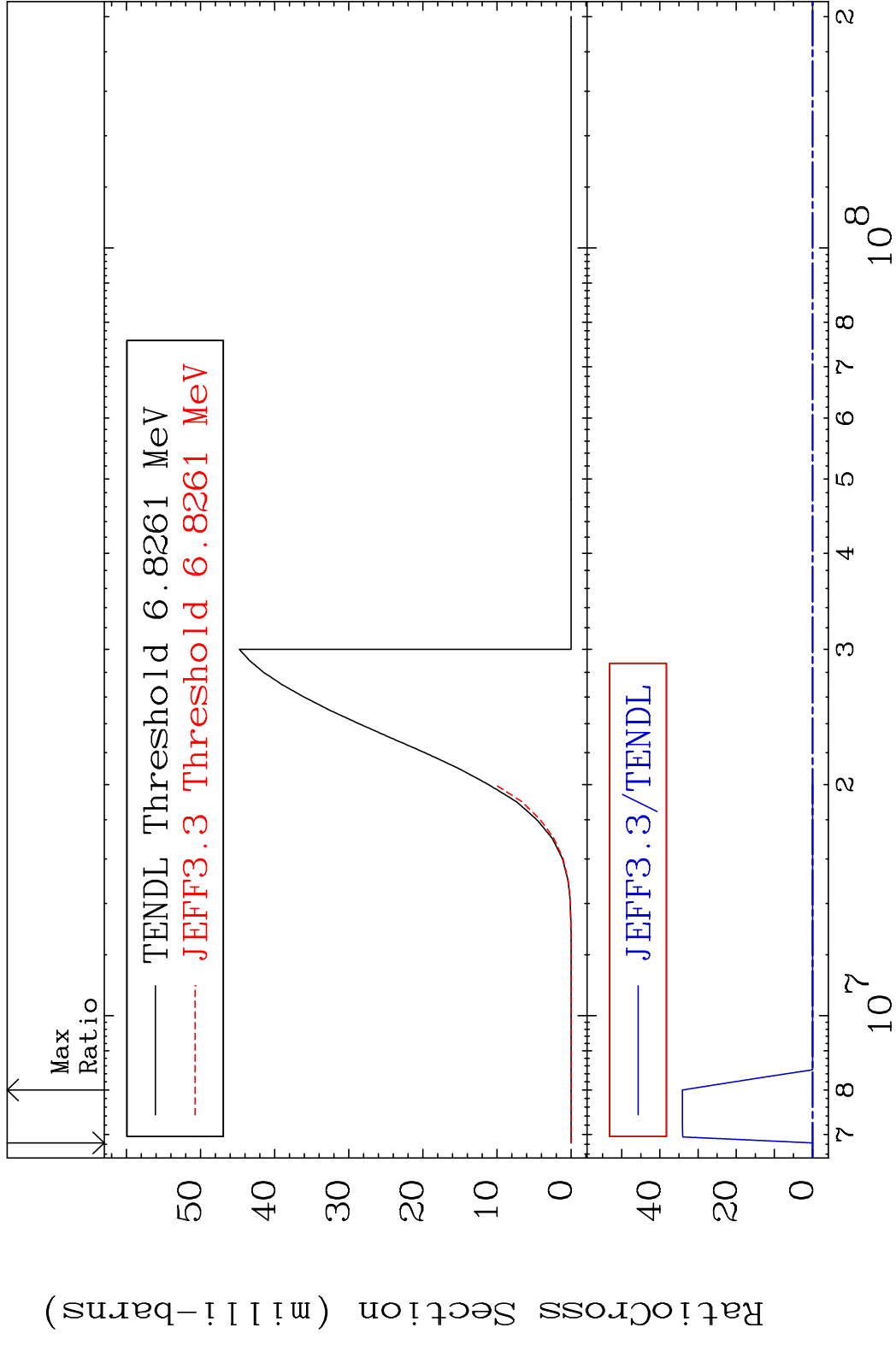
MAT 7234 Dpa inelastic (mt51-91) 72-Hf-177
 Cross Section -13.94 To 114.1 %

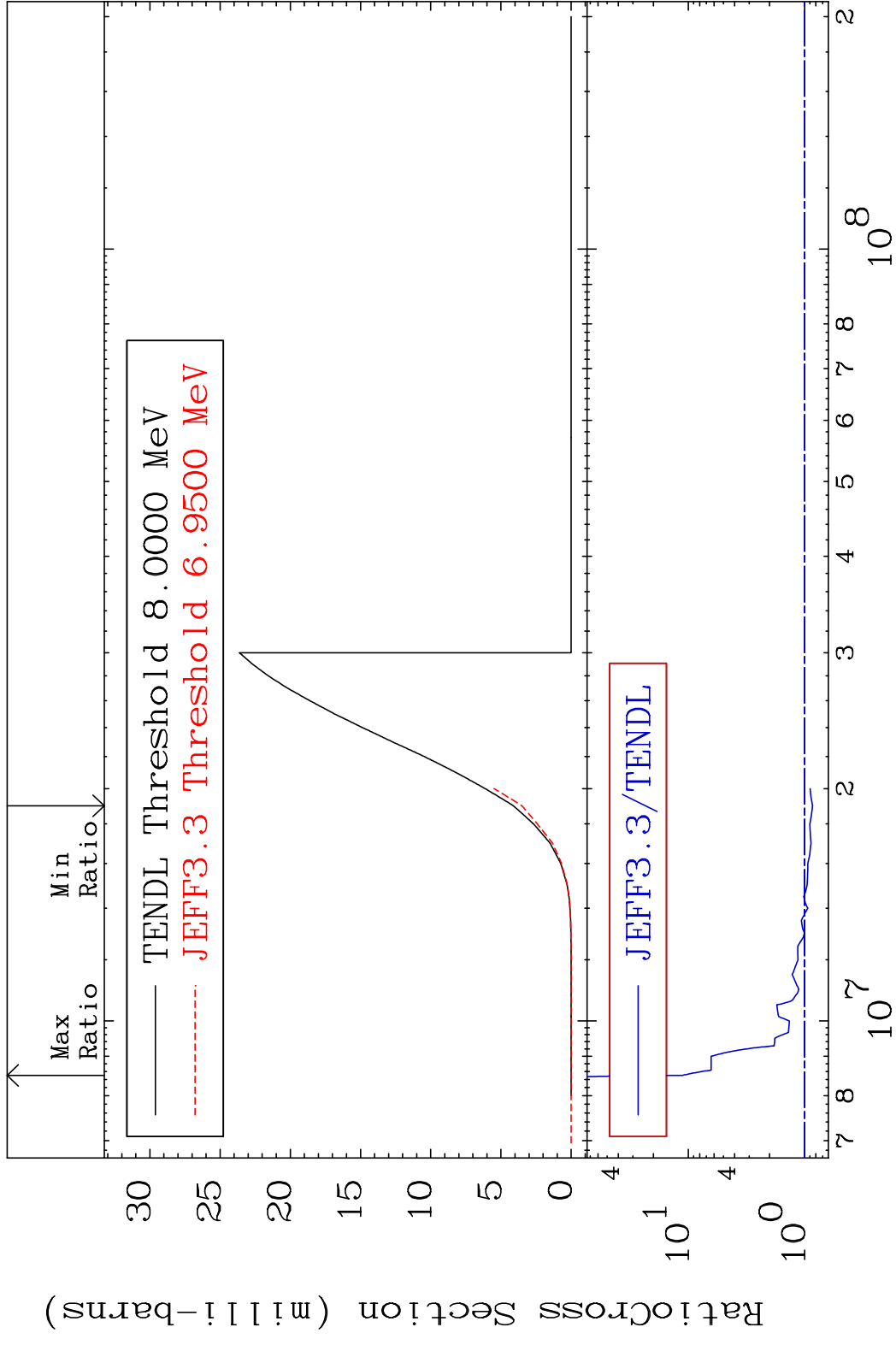


MAT 7234 Dpa disappearance (mt102 -120) 72-Hf-177
 Cross Section -99.77 To 9999. %

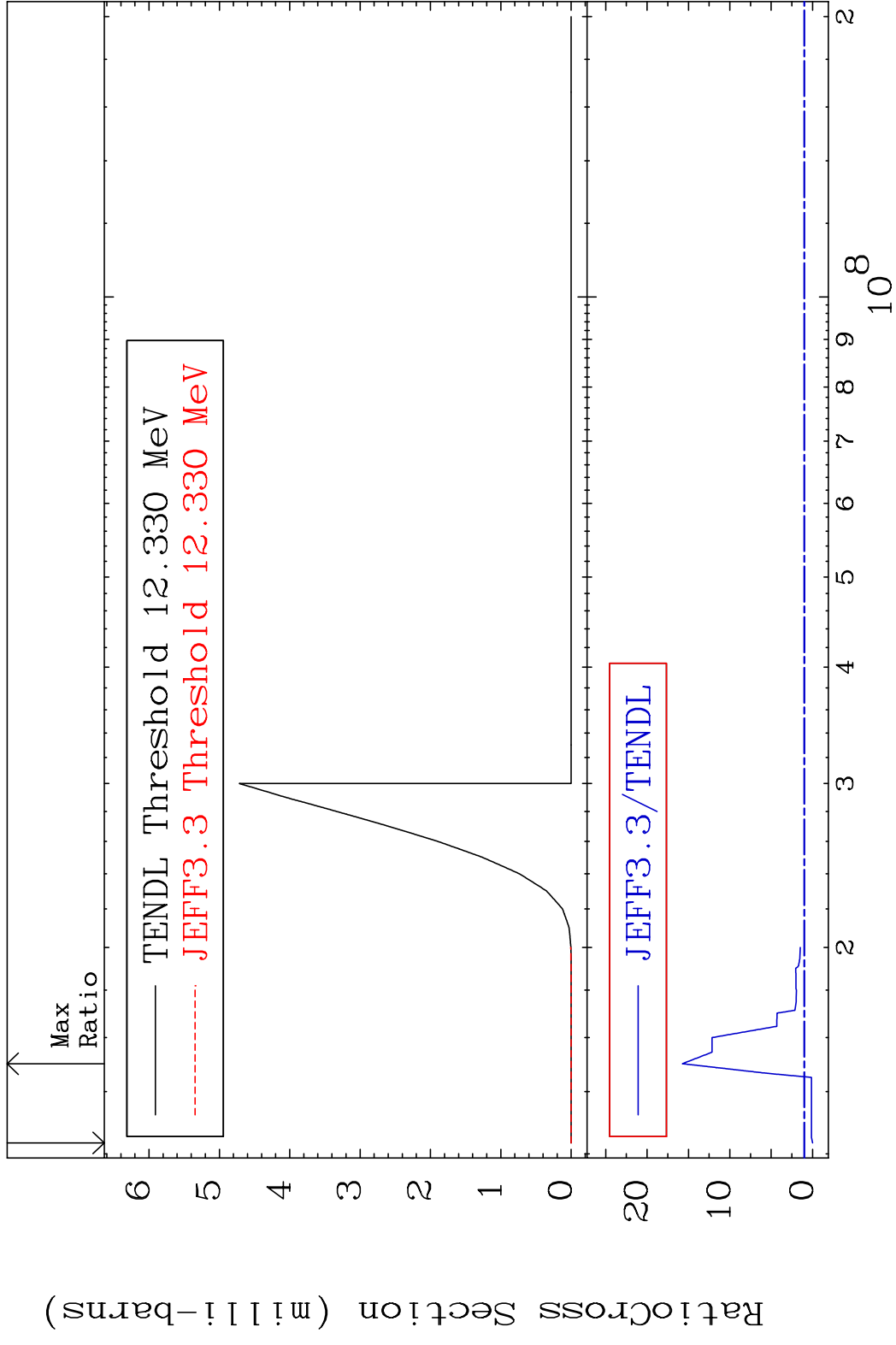


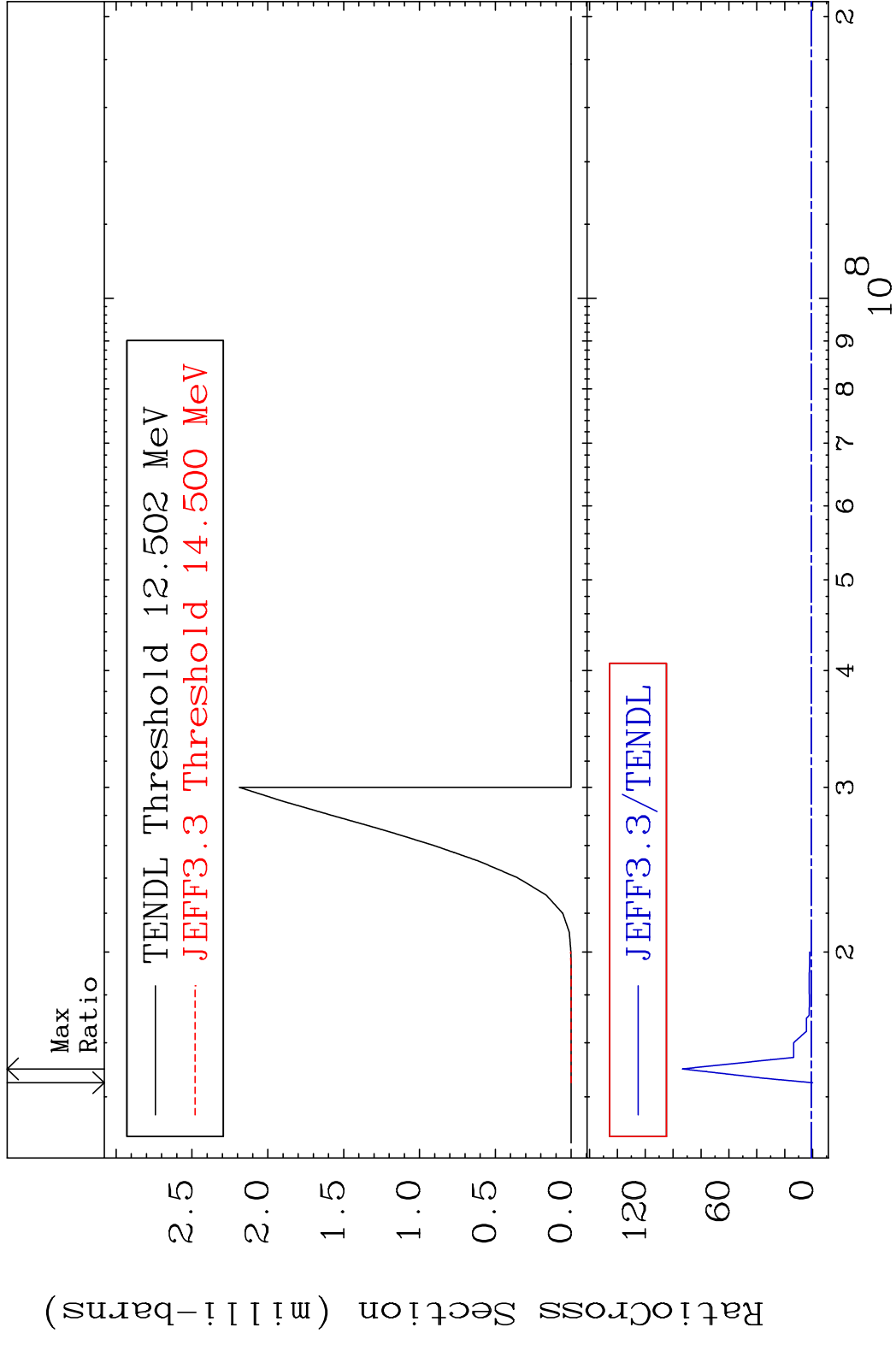
60 Incident Energy (eV) 72-Hf-177

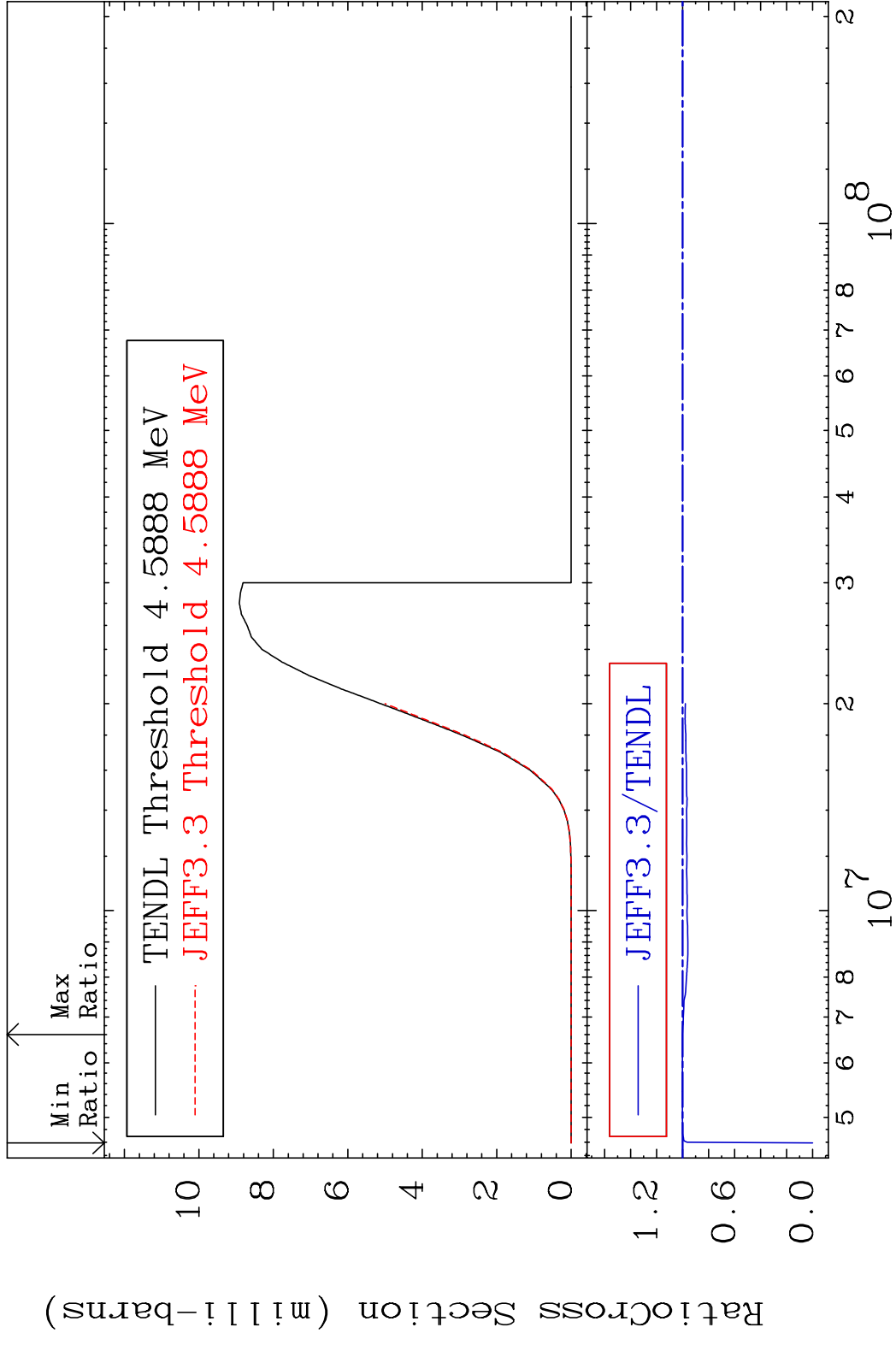




MAT 7234 (n, n') t:71-Lu-174g 72-Hf-177
 Radionuclide Production Cross Section 1800 d to 1474. %







MAT 7234 (n, d):71-Lu-176m1 72-Hf-177
 Radionuclide Production Cross Section 0.000 %

