

Program Complot
(Version 2021-1)

by

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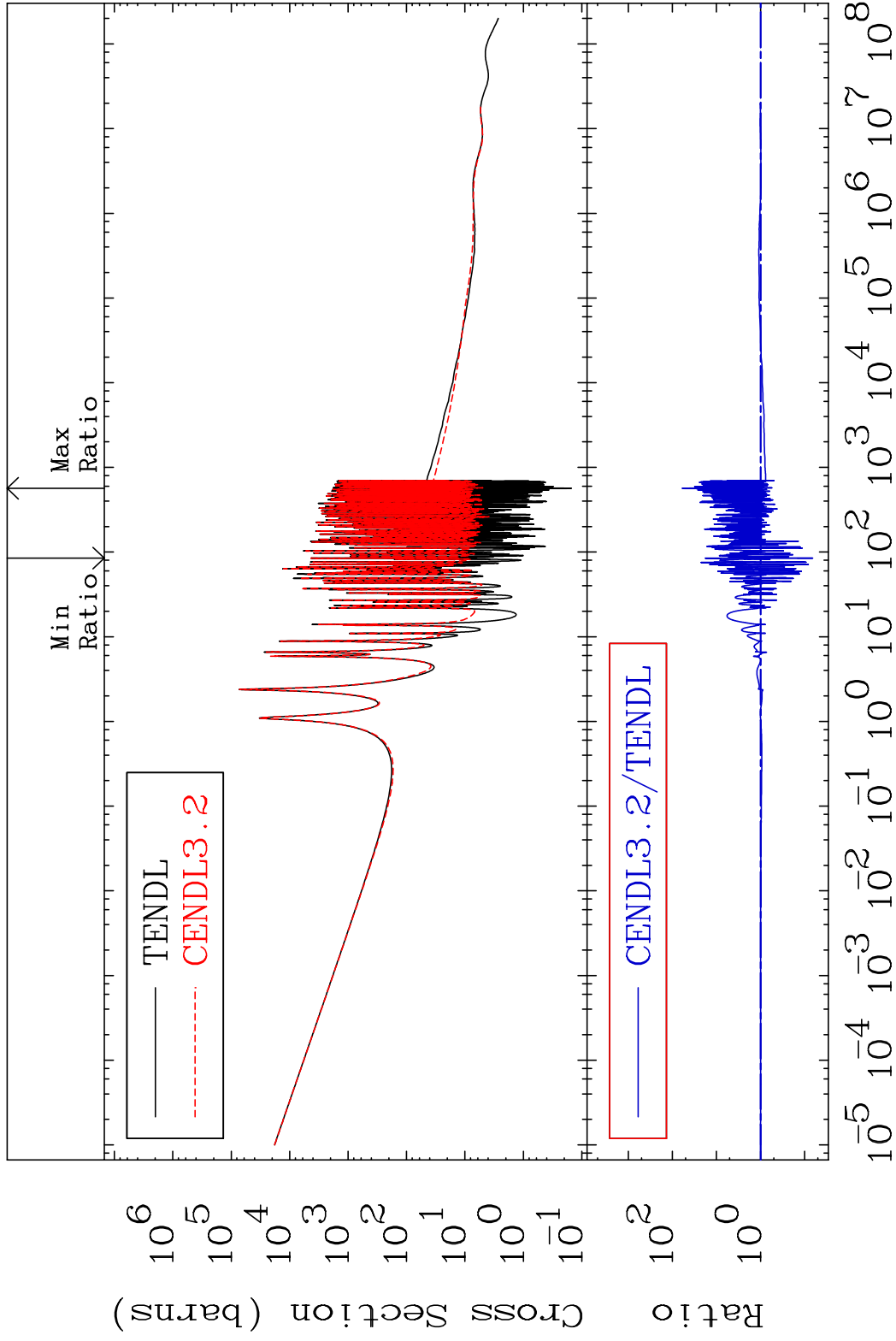
Press Mouse Button to Start

MAT 7234

Total

72-Hf-177

Cross Section -93.41 To 5837. %



1

Incident Energy (eV)

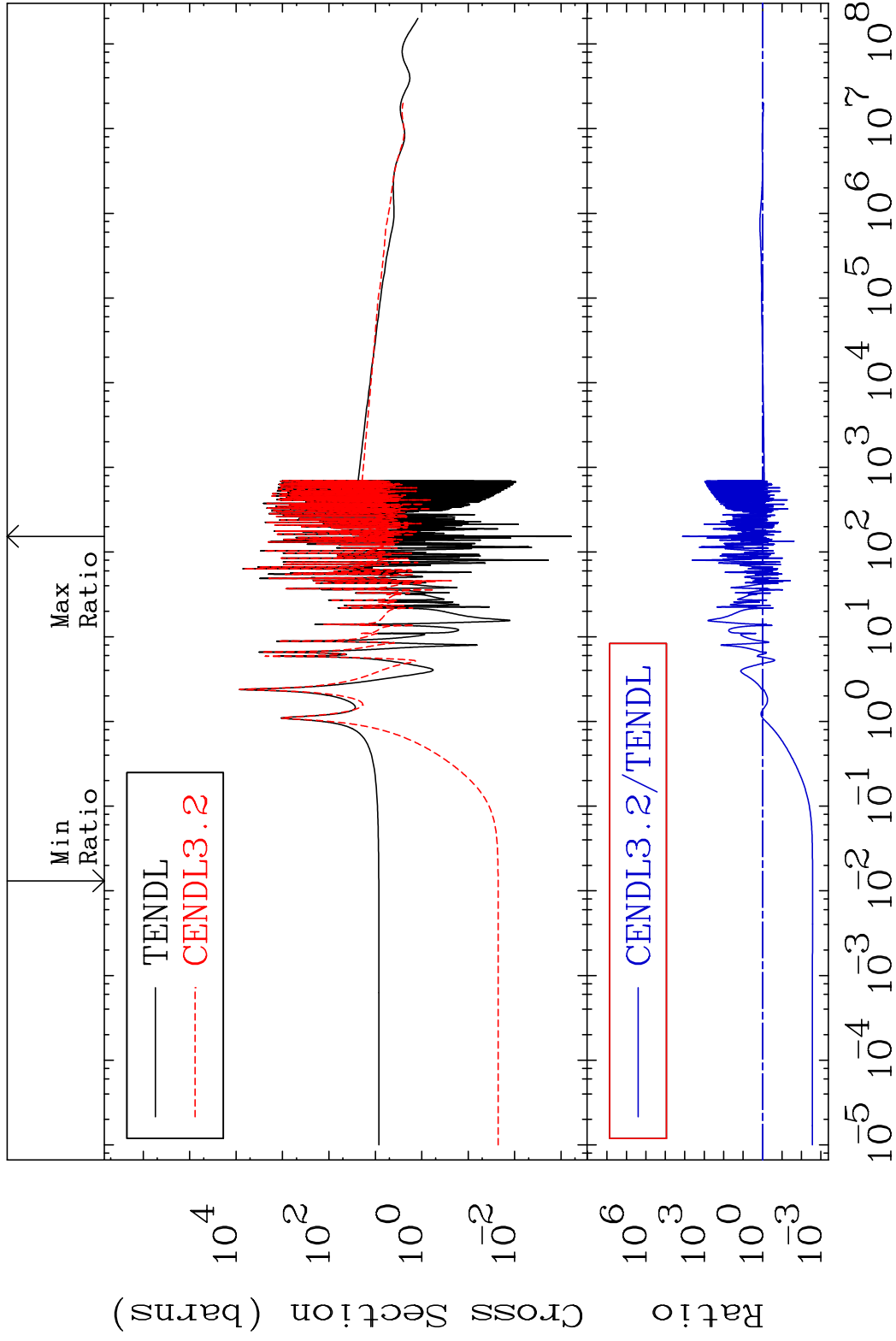
72-Hf-177

MAT 7234

Elastic

72-Hf-177

Cross Section -99.73 To 9999. %



2

Incident Energy (eV)

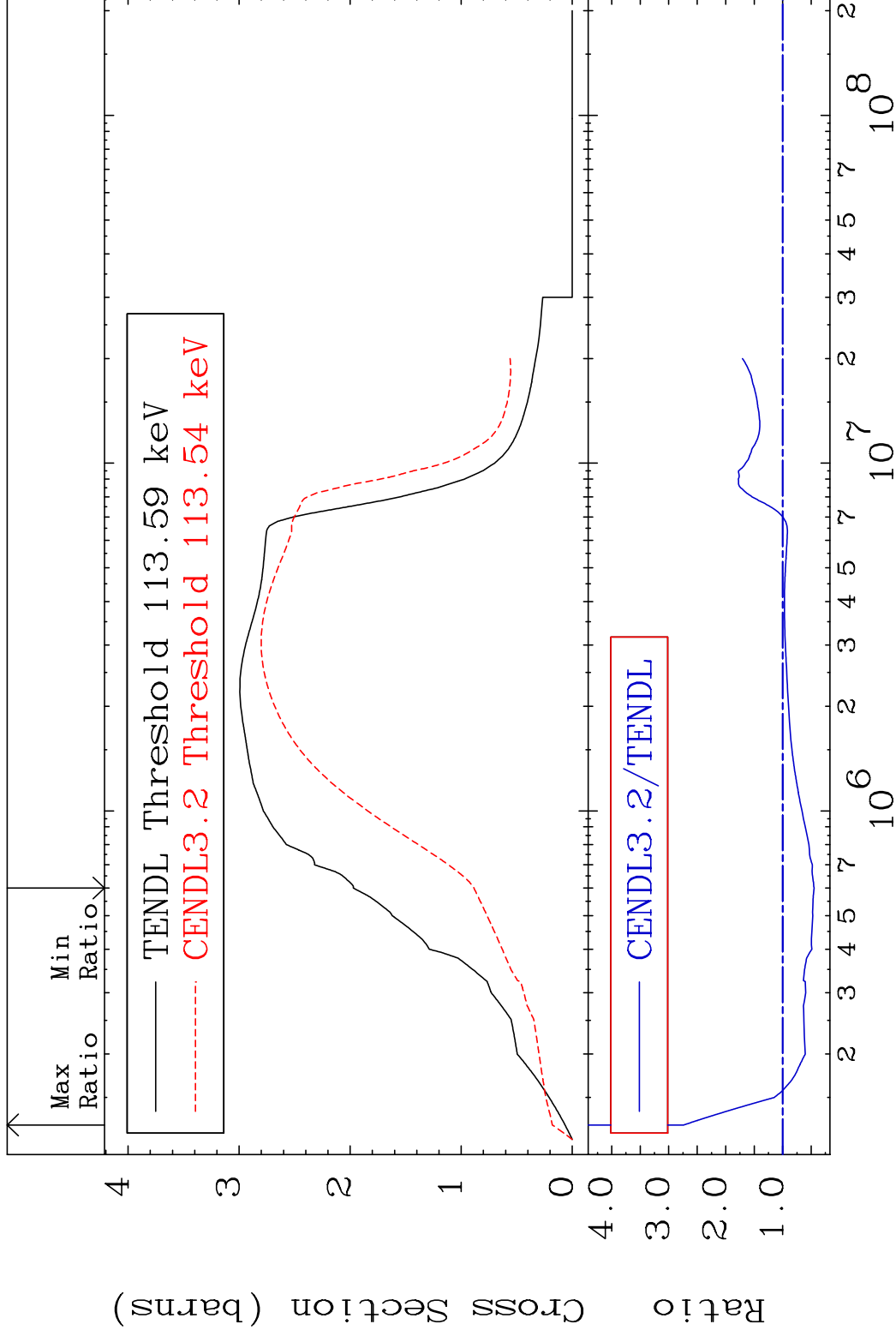
72-Hf-177

MAT 7234

Inelastic

72-Hf-177

Cross Section -55.11 To 173.8 %



3

Incident Energy (eV)

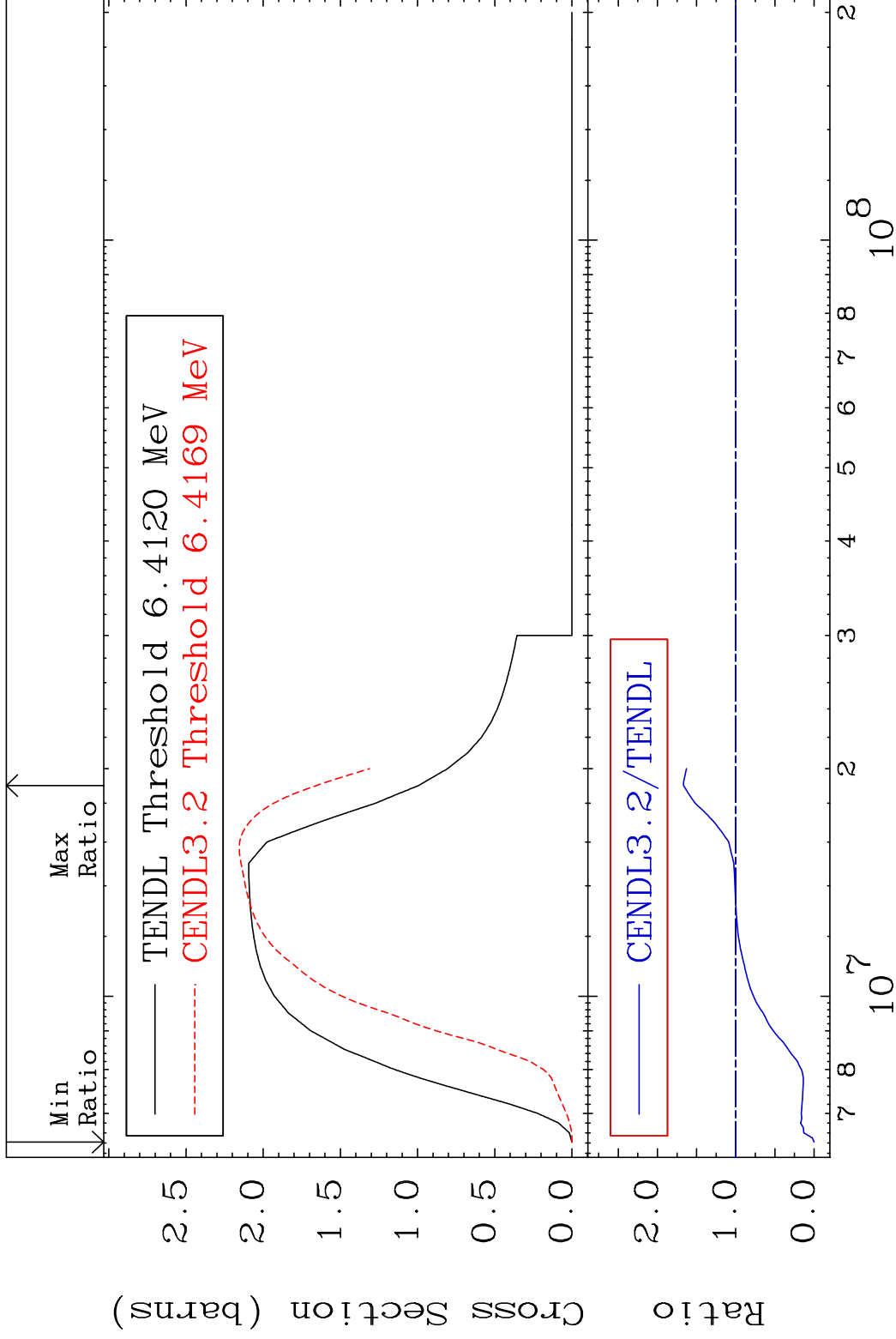
72-Hf-177

MAT 7234

(n,2n)

72-Hf-177

Cross Section -100.0 To 66.76 %



4

Incident Energy (eV)

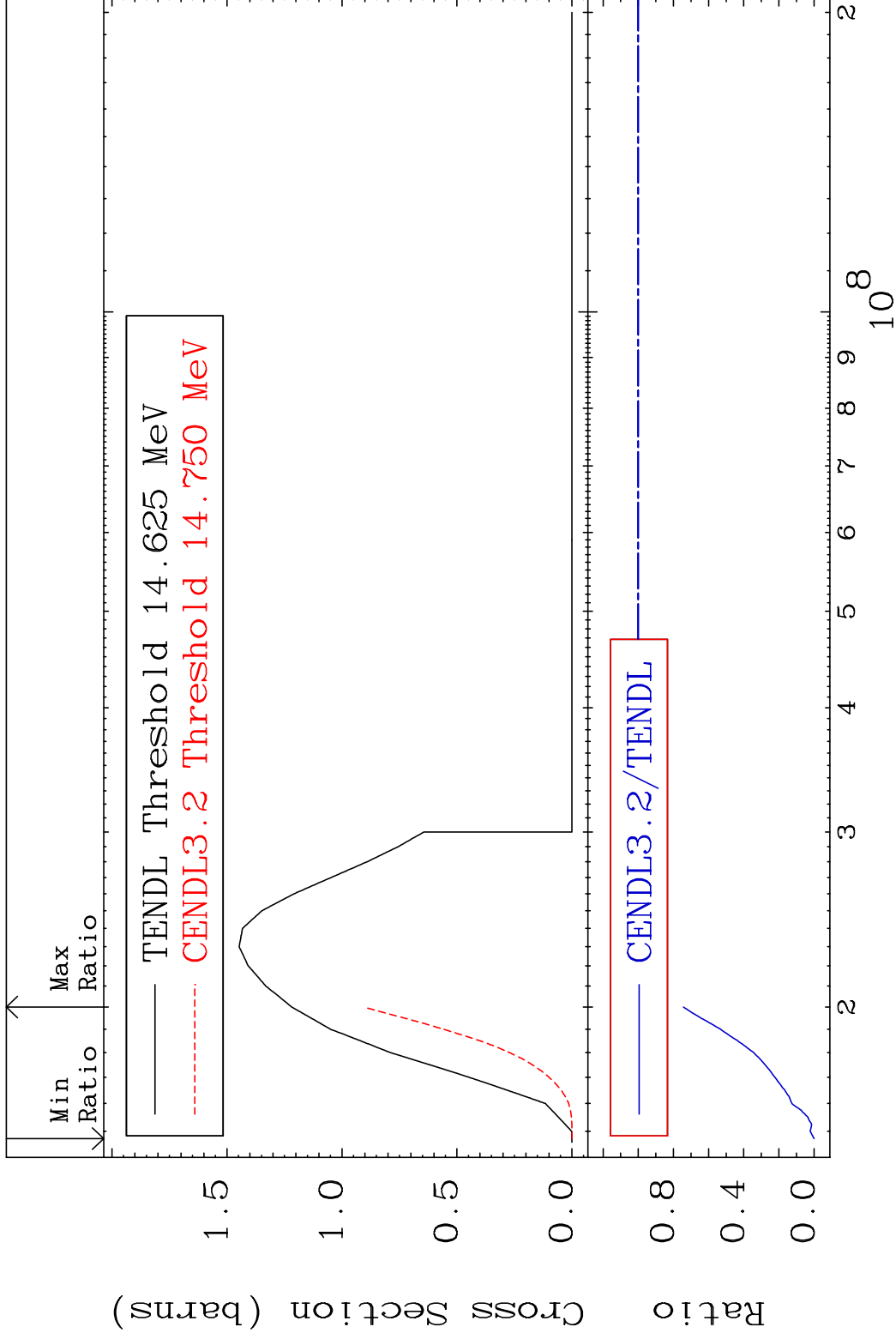
72-Hf-177

MAT 7234

(n,3n)

72-Hf-177

Cross Section -100.0 To -25.71%



5

Incident Energy (eV)

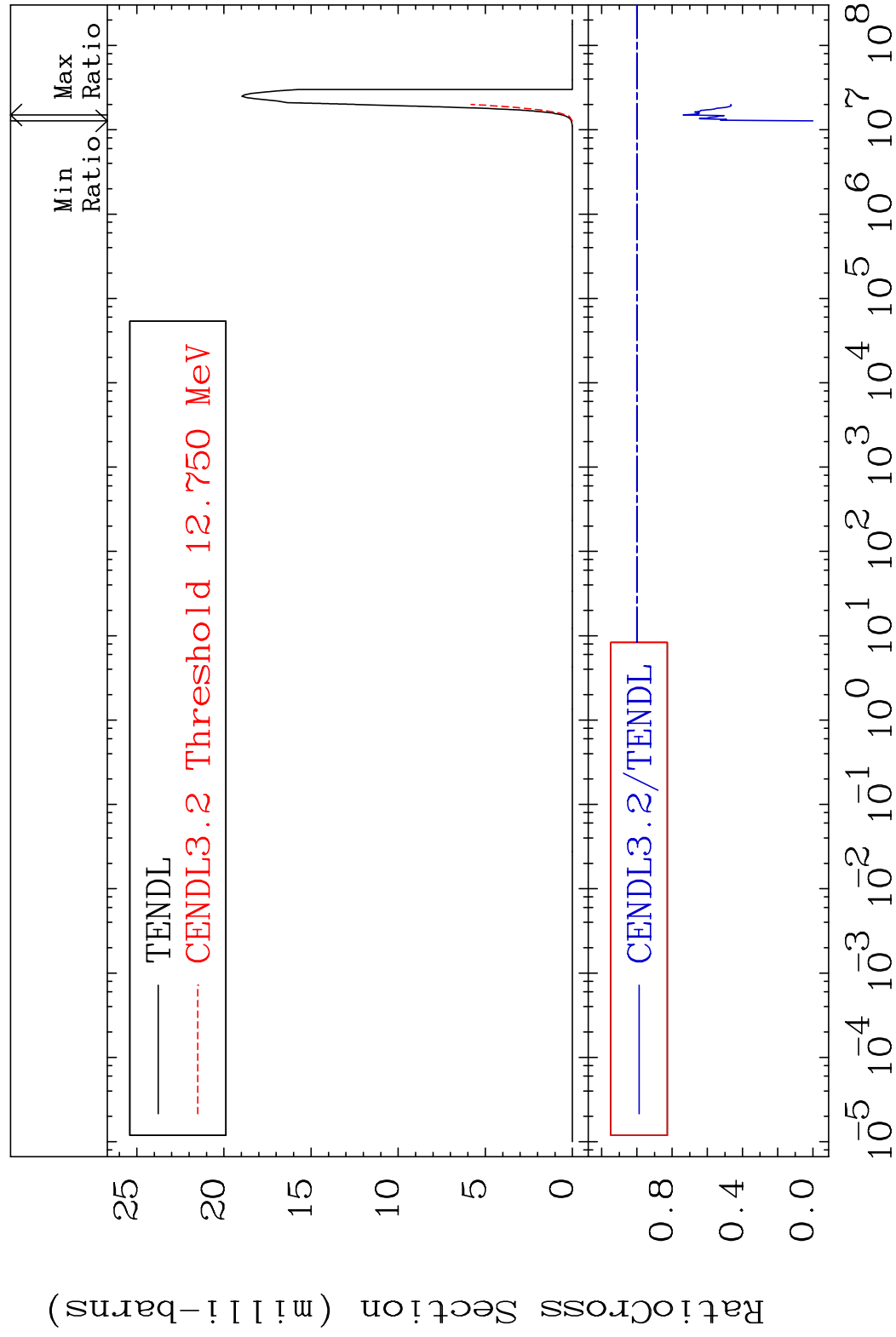
72-Hf-177

MAT 7234

(n, n') α

72-Hf-177

Cross Section -100.0 To -26.28%



6

Incident Energy (eV)

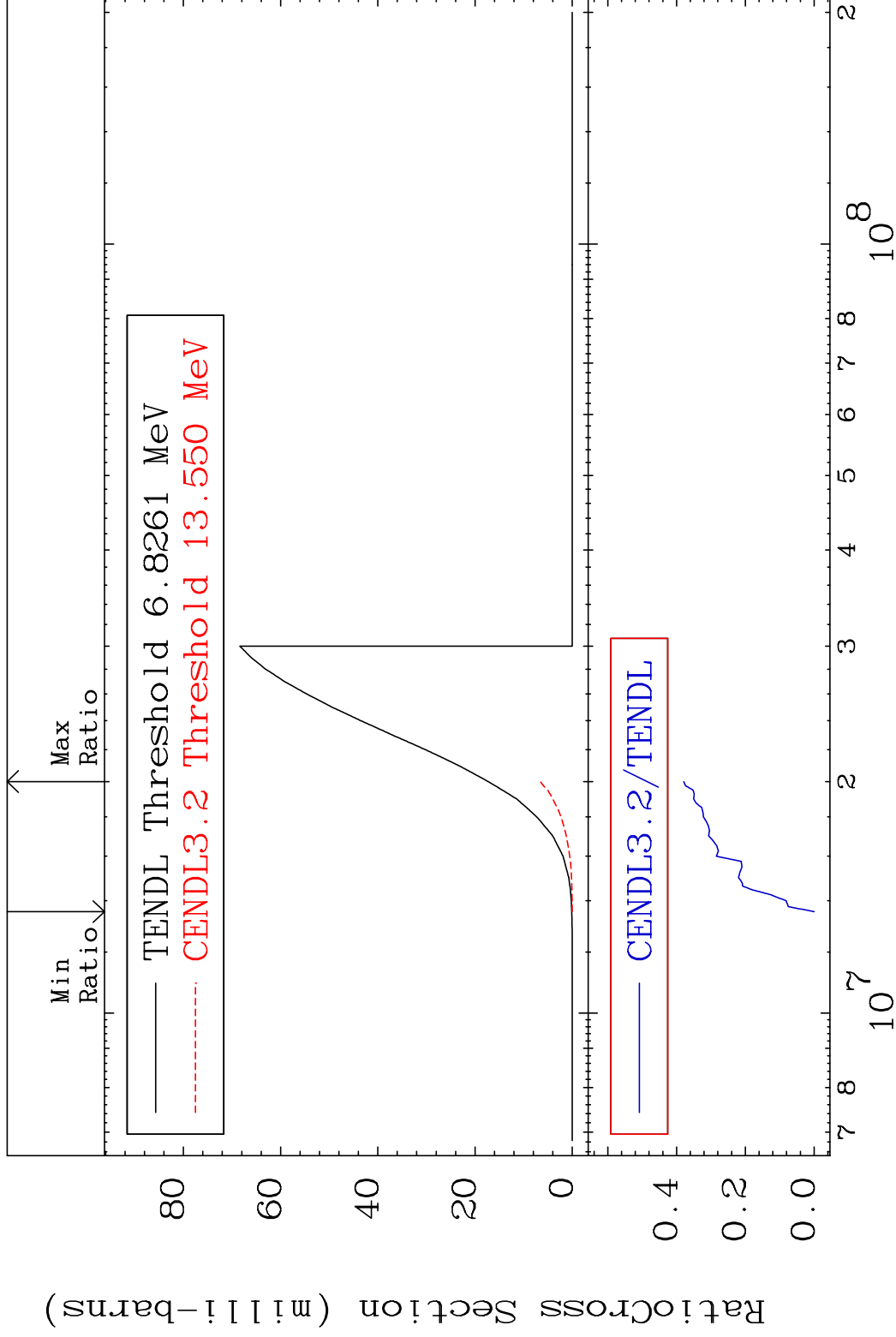
72-Hf-177

MAT 7234

(n, n') p

72-Hf-177

Cross Section -100.0 To -62.06%

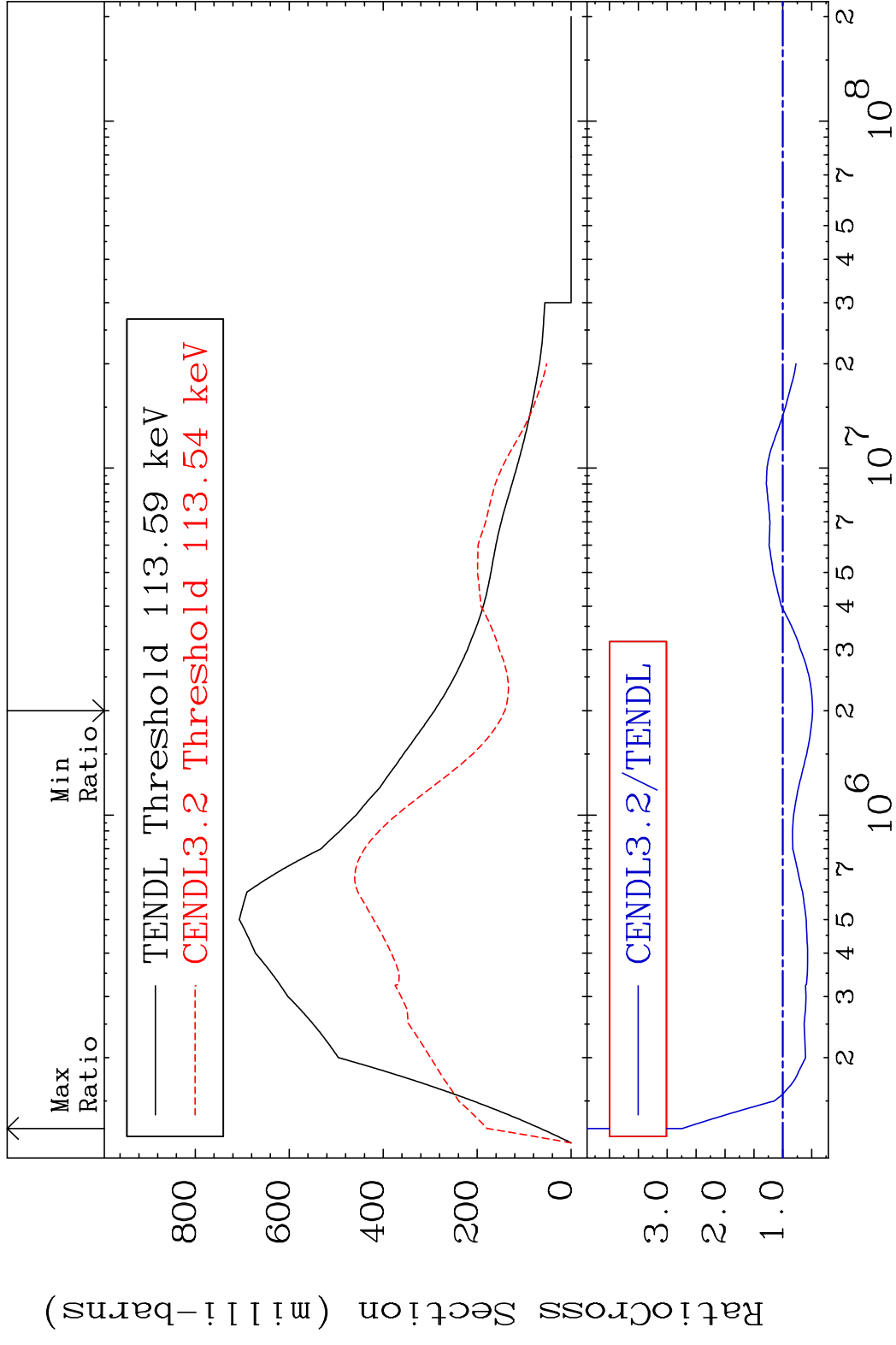


7

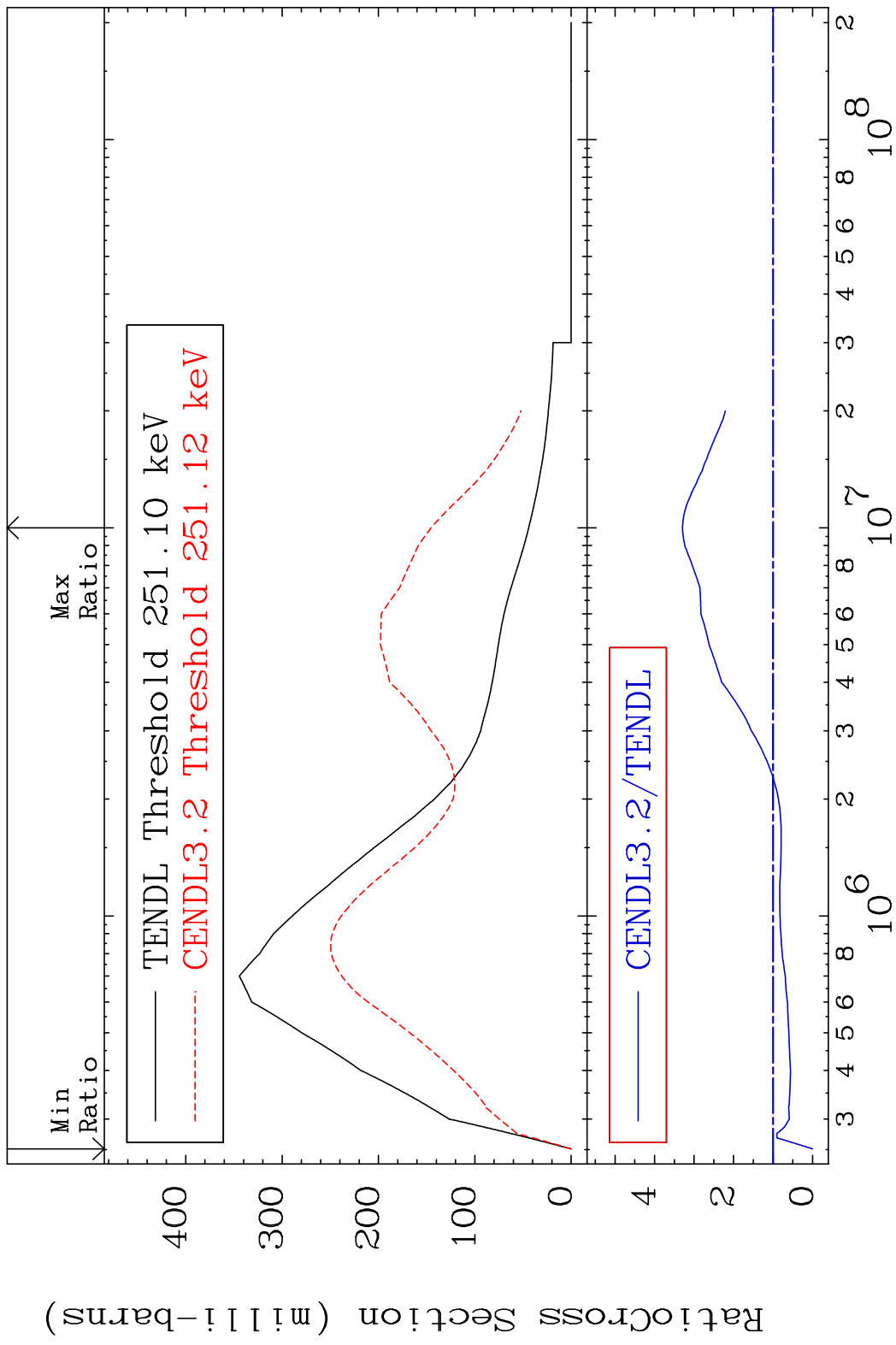
Incident Energy (eV)

72-Hf-177

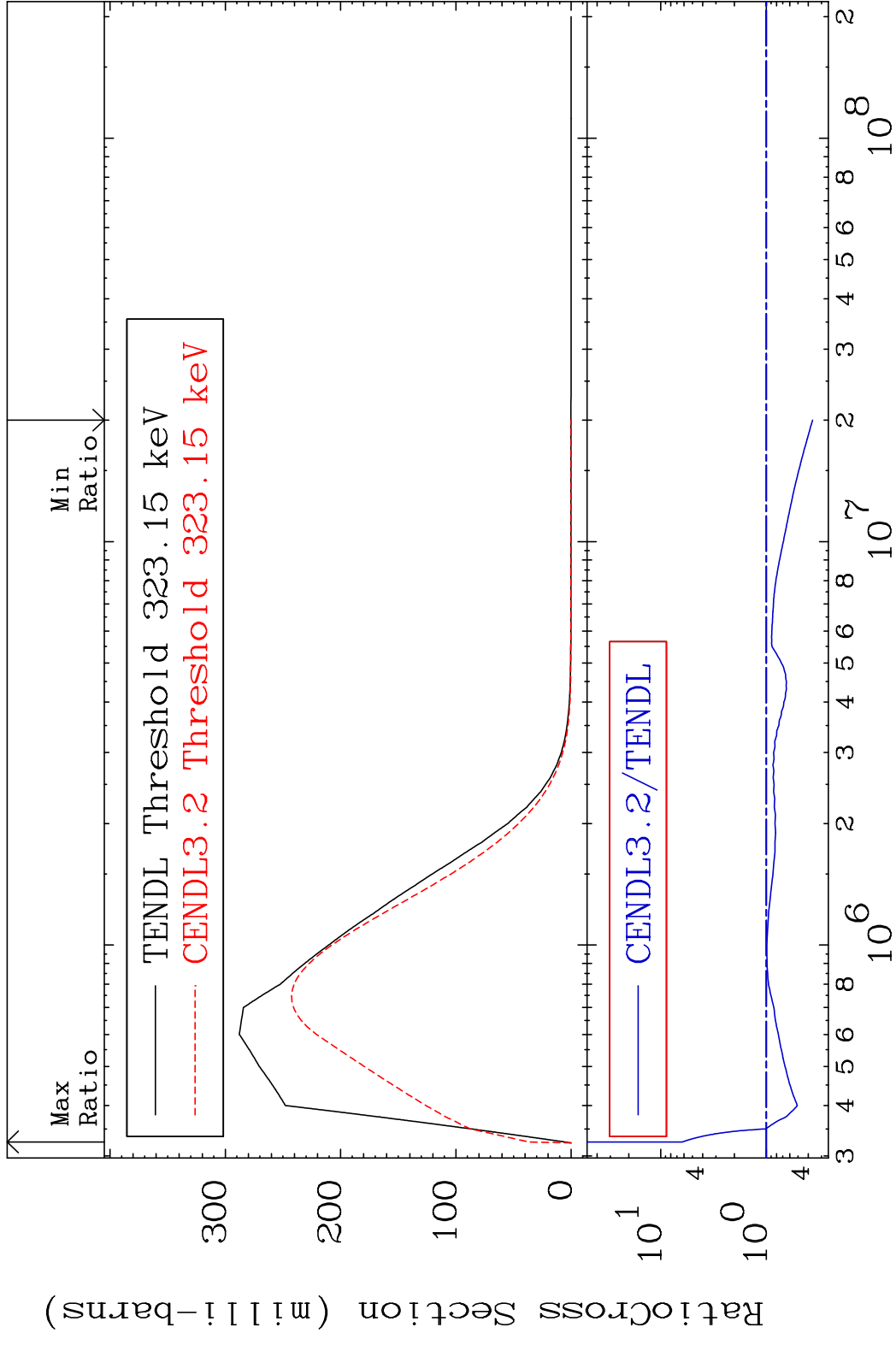
MAT 7234 MT= 51 (n,n') Level 72-Hf-177
 Cross Section -51.49 To 173.8 %



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 -63.51 To 522.9 %



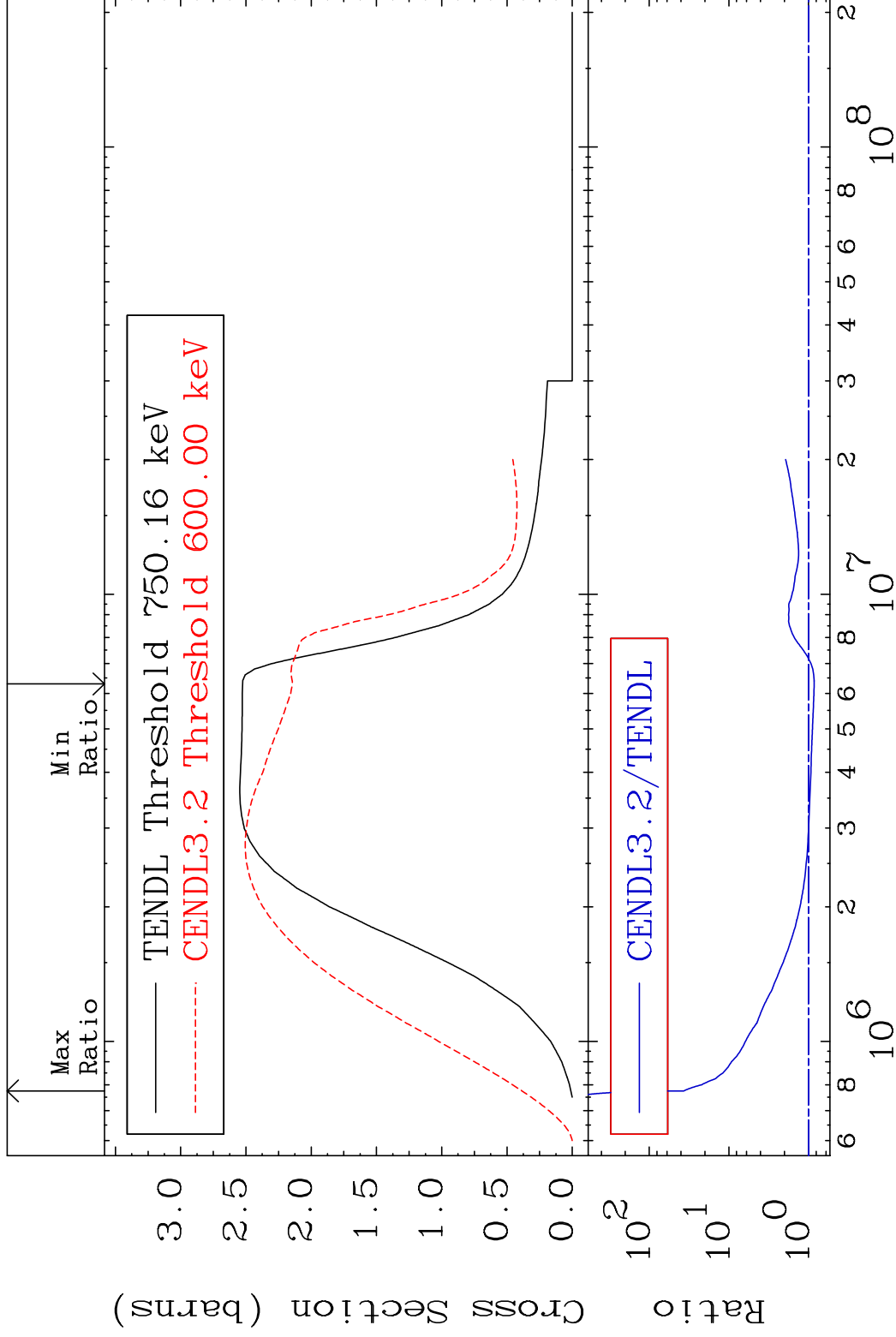
10 Incident Energy (eV) 72-Hf-177

MAT 7234

(n, n') Continuum

72-Hf-177

Cross Section -15.08 To 3597. %

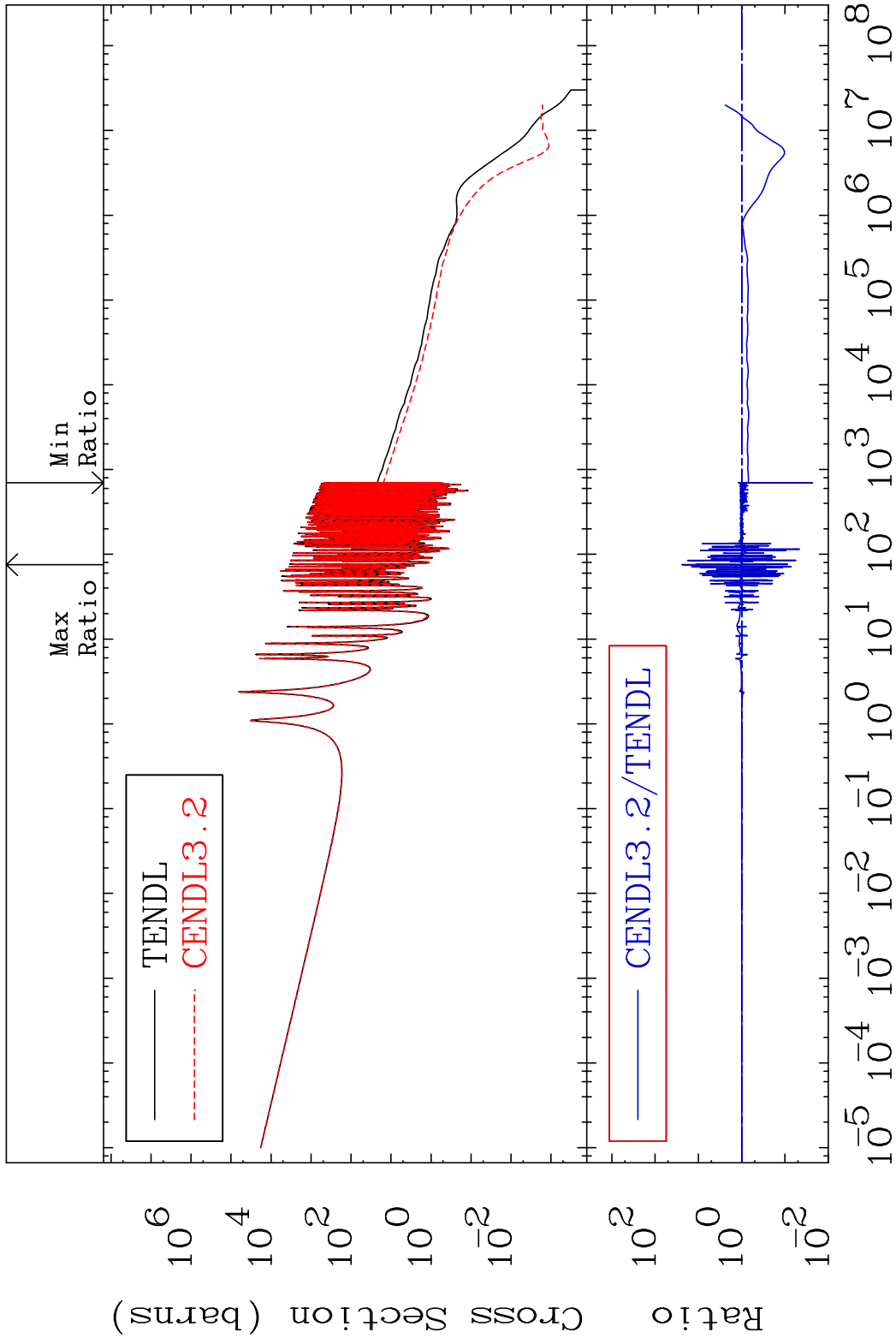


MAT 7234

(n, γ)

72-Hf-177

Cross Section -97.68 To 2274. %



12

Incident Energy (eV)

72-Hf-177

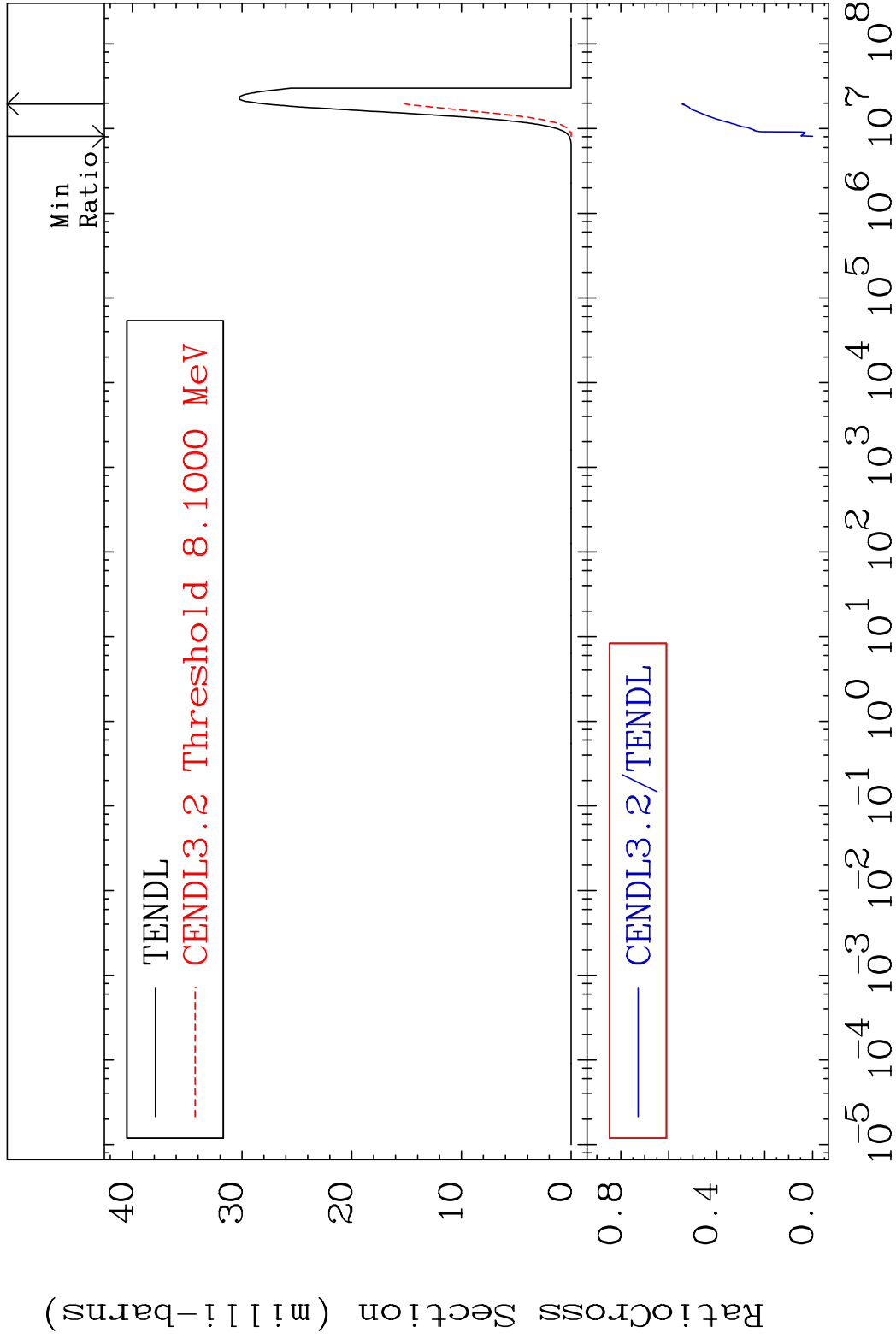
MAT 7234

(n, p)

72-Hf-177

Cross Section

-100.0 To -45.65%

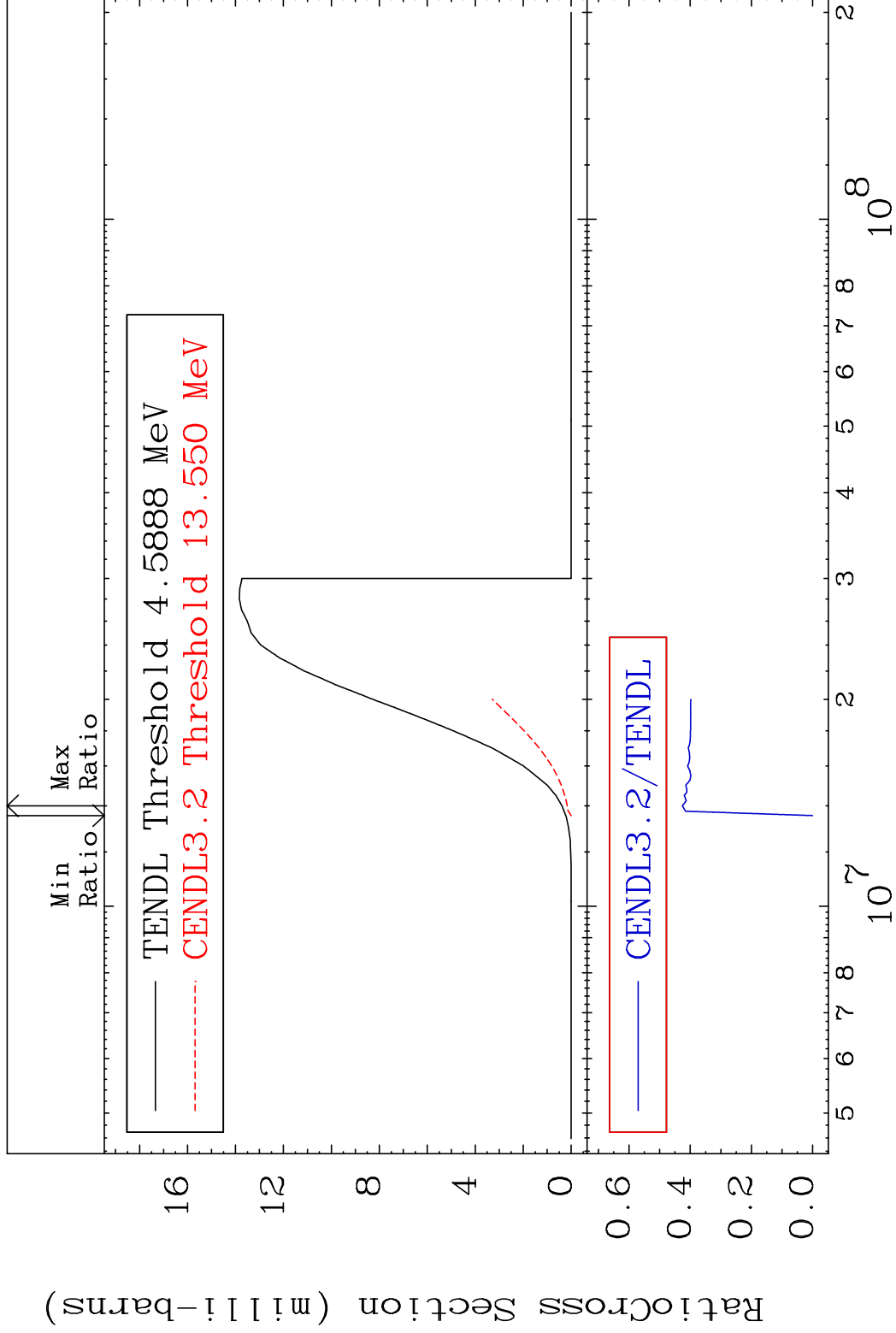


MAT 7234

(n, d)

72-Hf-177

Cross Section -100.0 To -57.42%

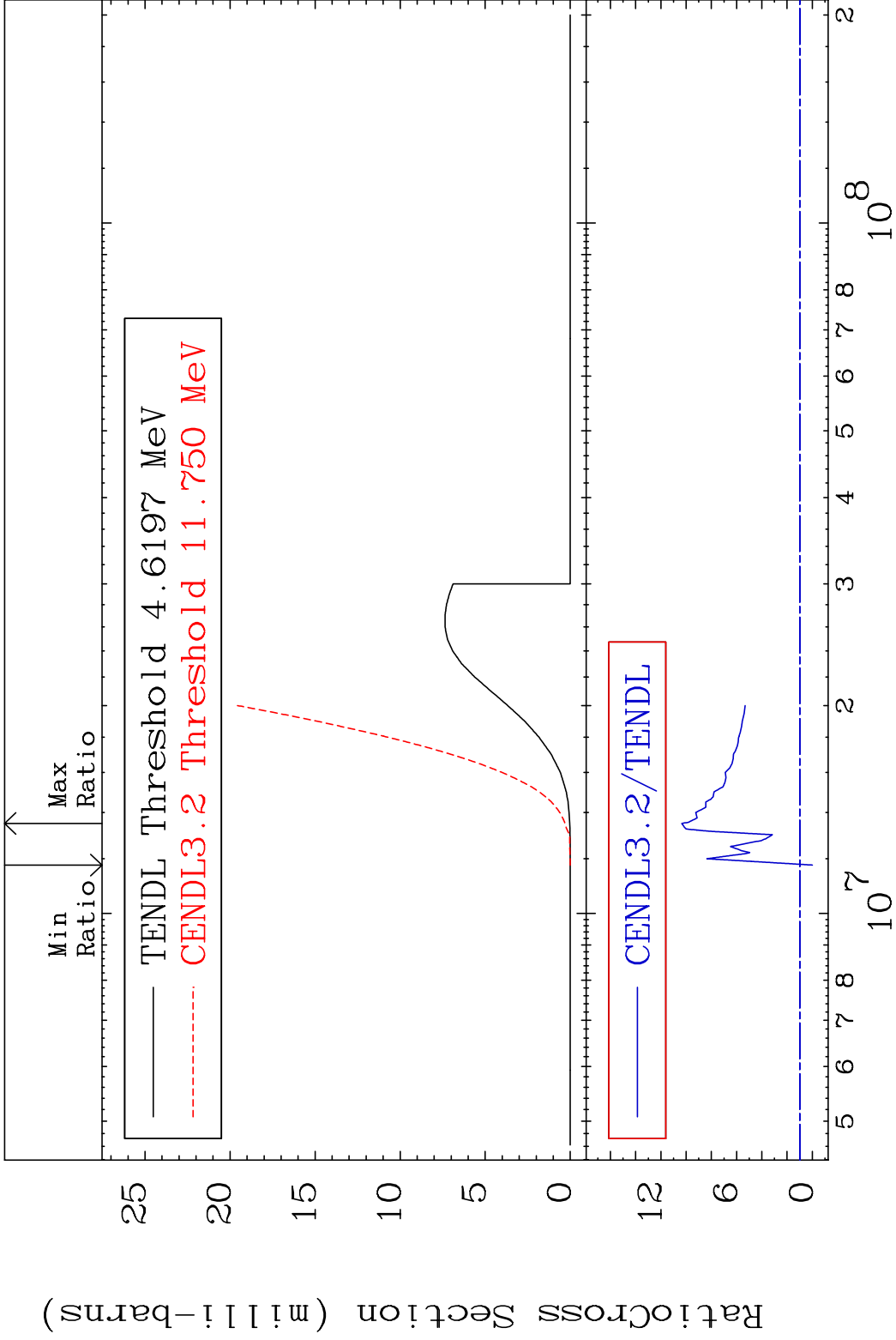


MAT 7234

(n, t)

72-Hf-177

Cross Section -100.0 To 934.8 %



15

Incident Energy (eV)

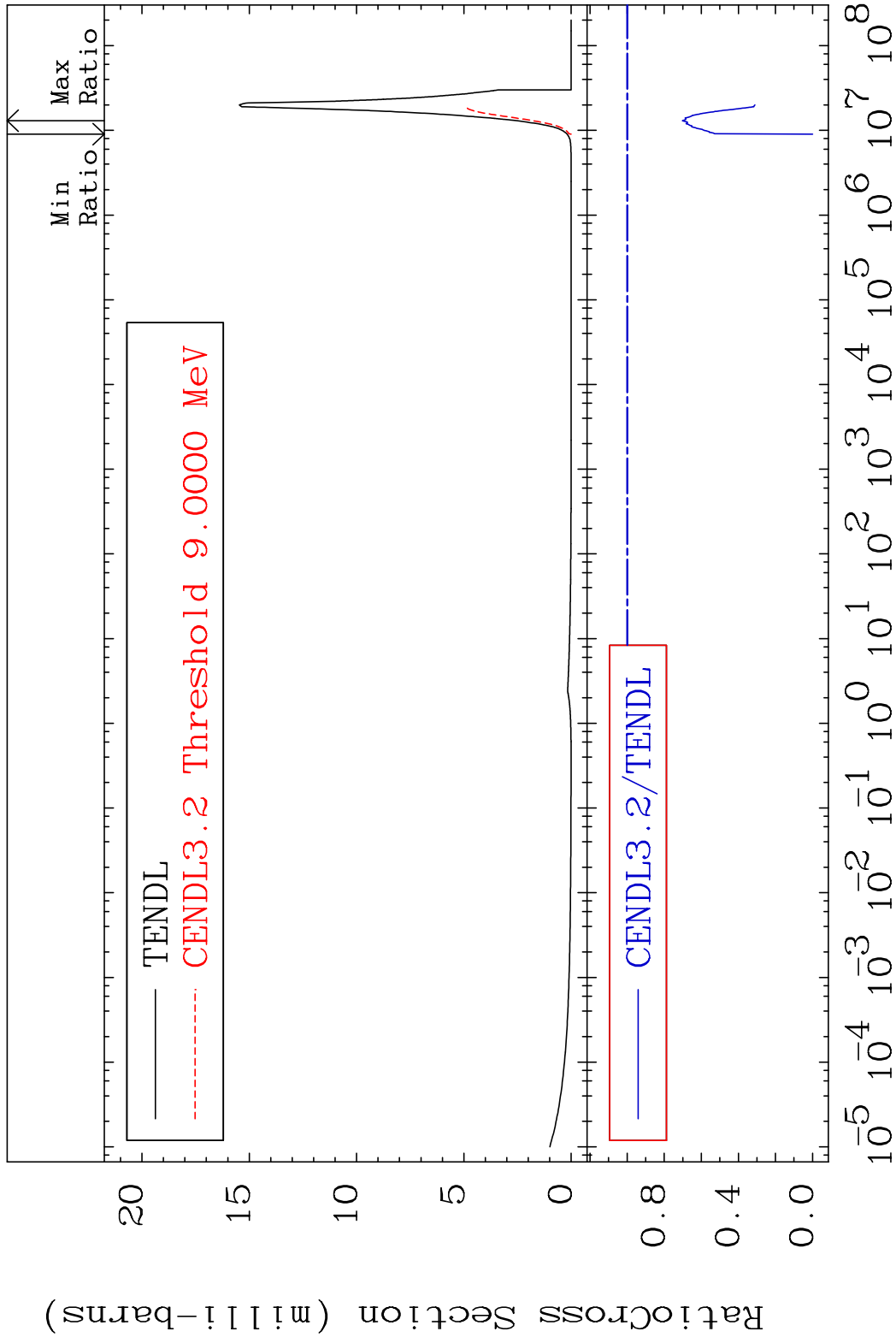
72-Hf-177

MAT 7234

(n, α)

72-Hf-177

Cross Section -100.0 To -29.79%



16

Incident Energy (eV)

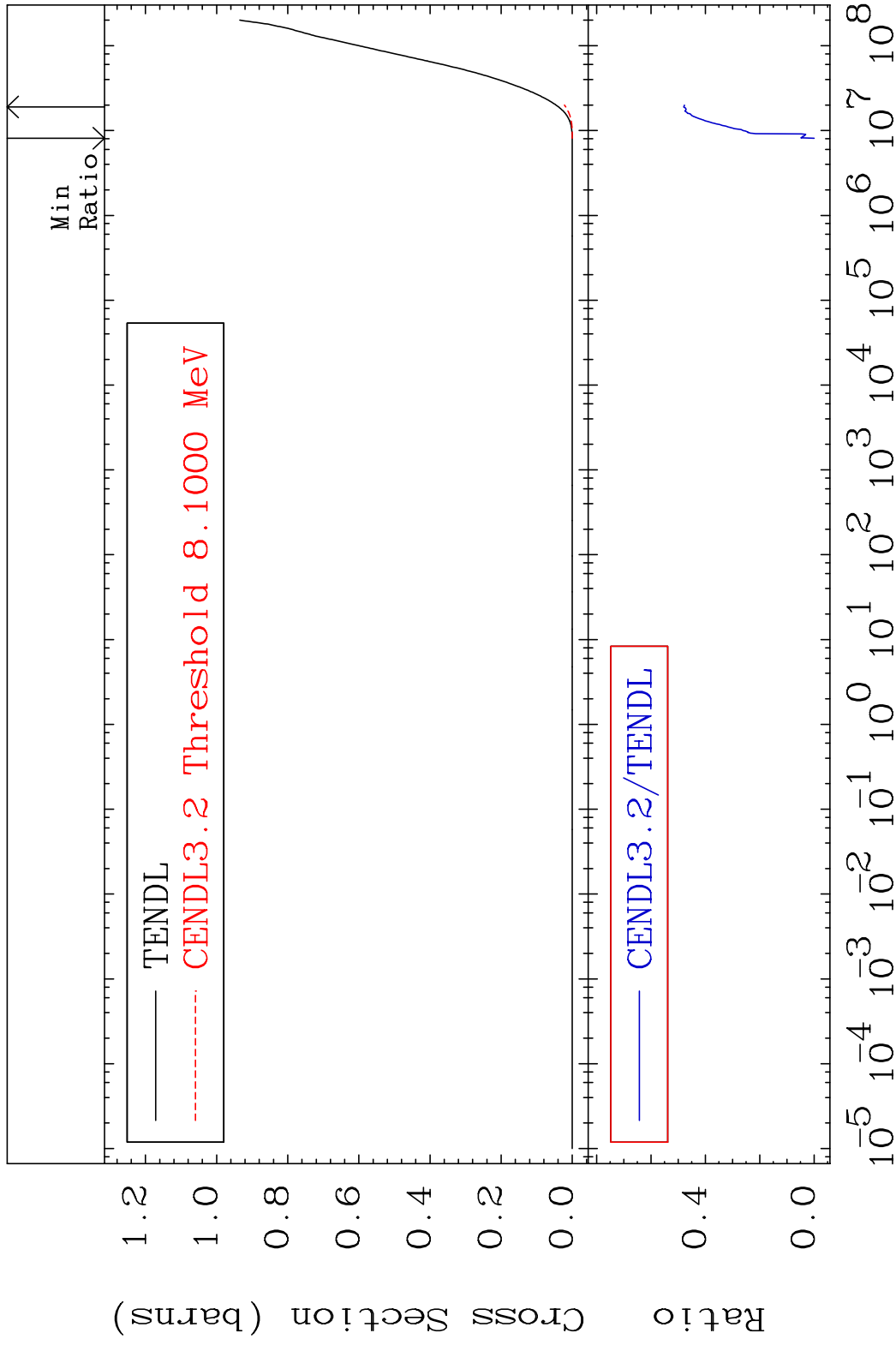
72-Hf-177

MAT 7234

Hydrogen Production

72-Hf-177

Cross Section -100.0 To -52.01%



17

Incident Energy (eV)

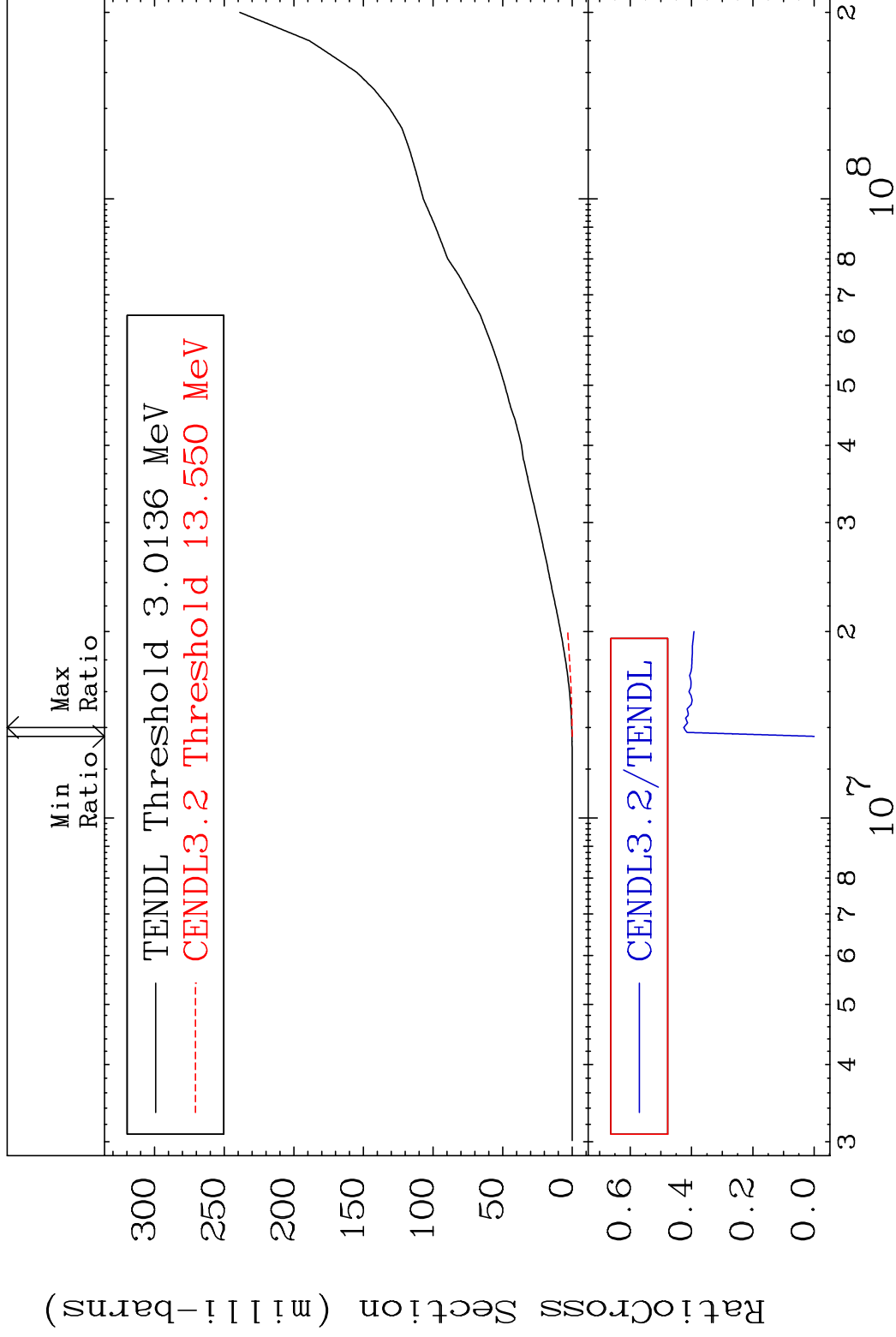
72-Hf-177

MAT 7234

Deuterium Production

72-Hf-177

Cross Section -100.0 To -57.42%

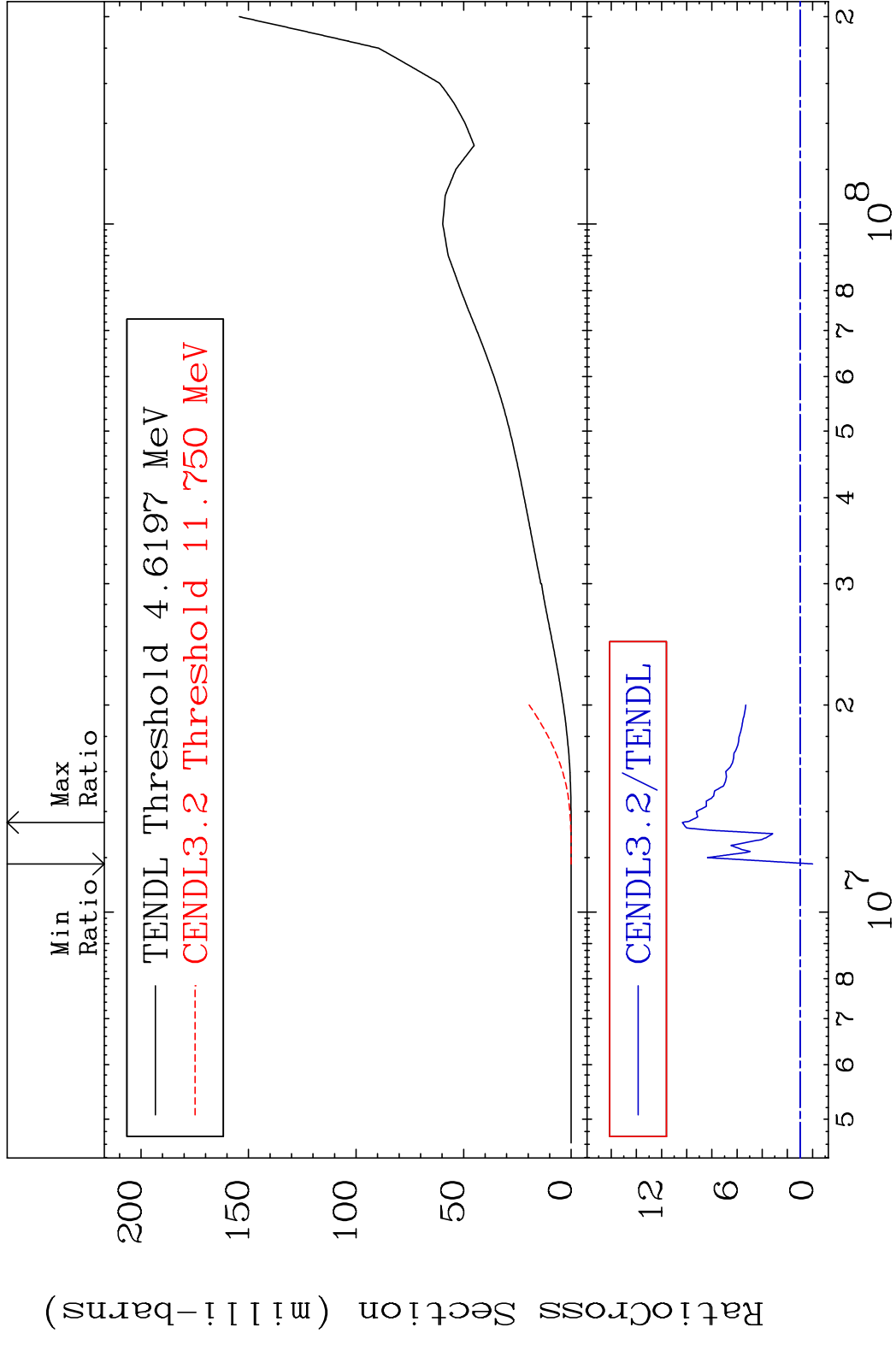


18

Incident Energy (eV)

72-Hf-177

MAT 7234 Tritium Production 72-Hf-177
 Cross Section -100.0 To 934.8 %

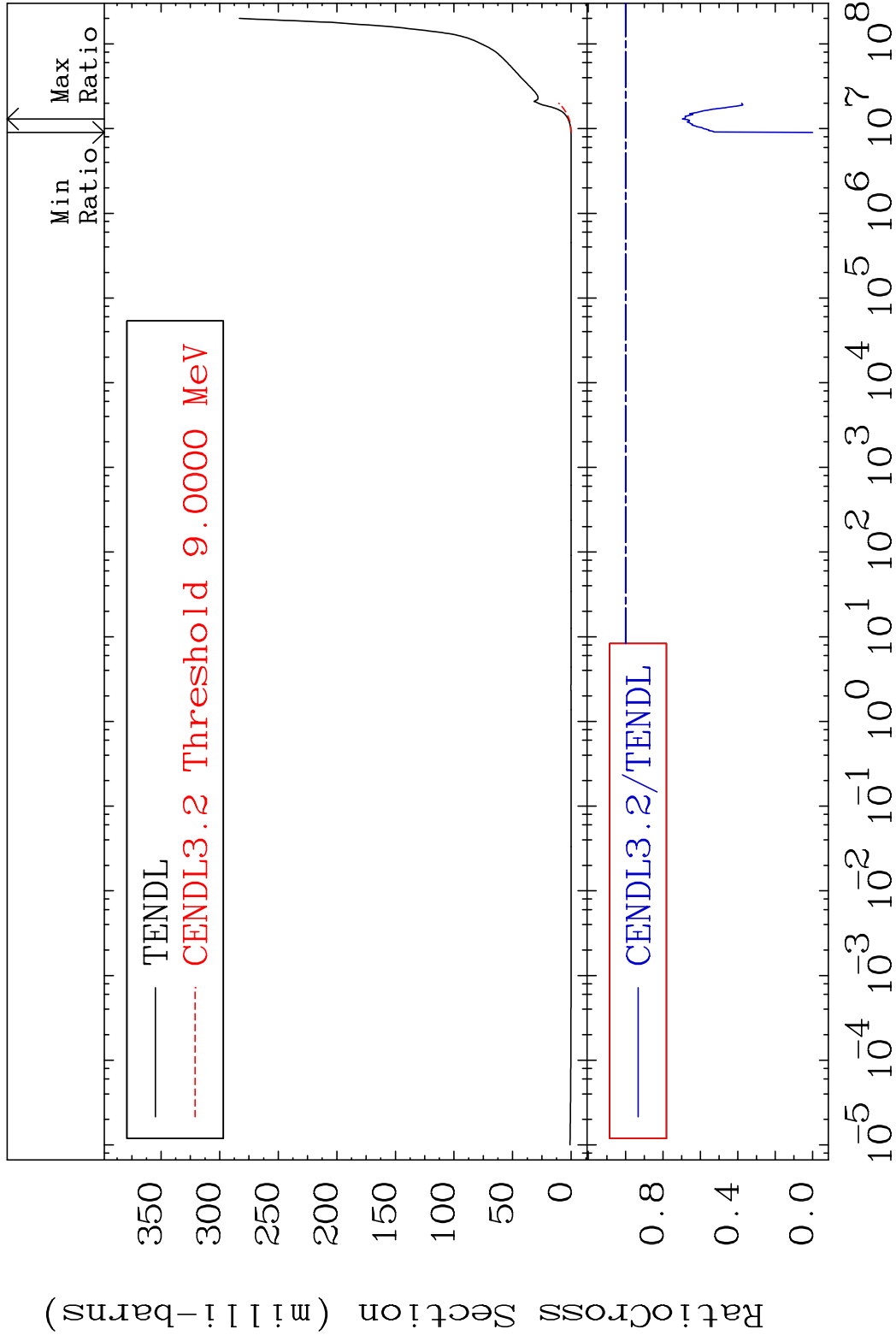


MAT 7234

He-4 Production

72-Hf-177

Cross Section -100.0 To -30.37%

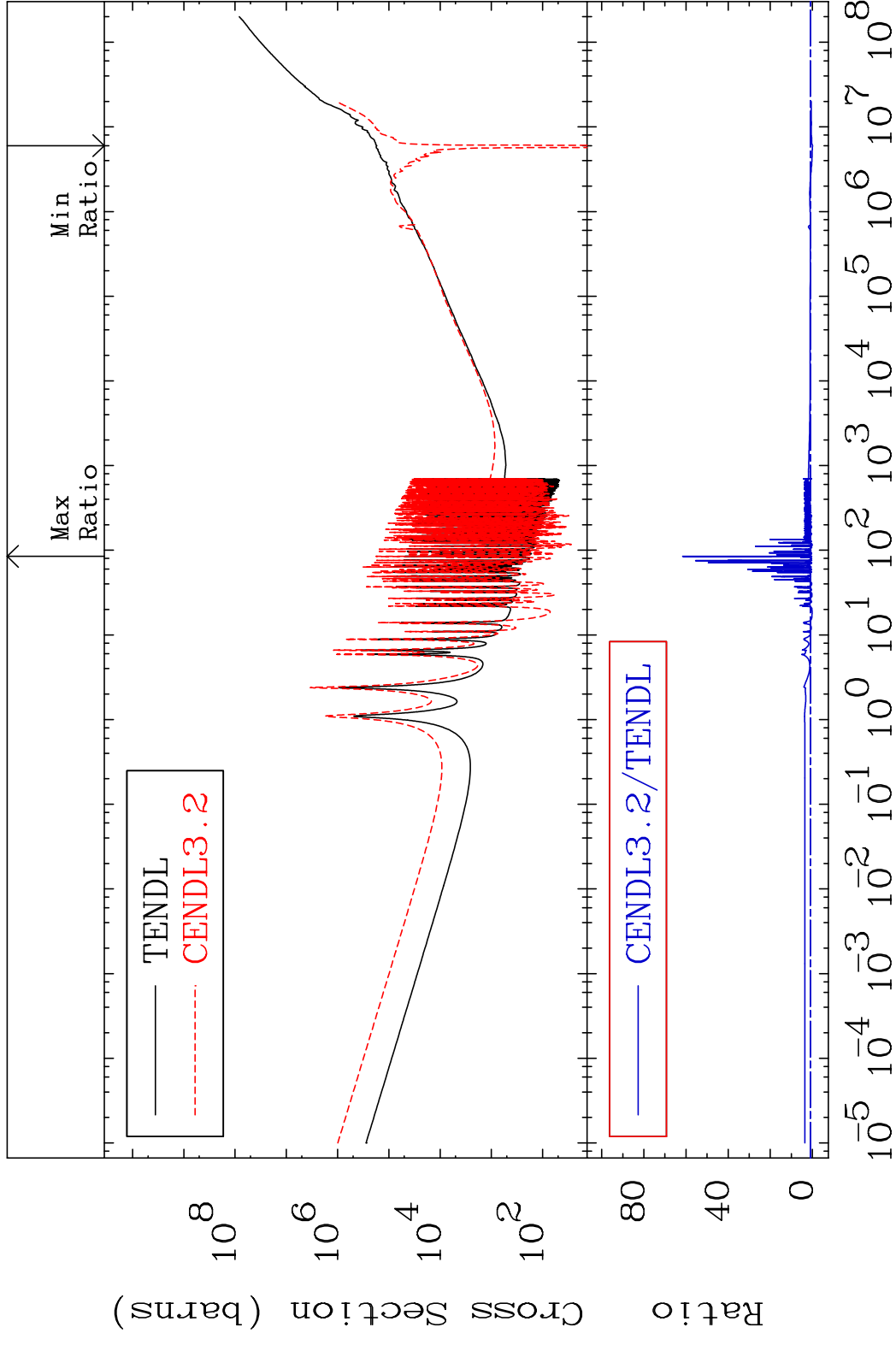


20

Incident Energy (eV)

72-Hf-177

MAT 7234 Kerma total (eV-barns) 72-Hf-177
 Cross Section -107.2 To 6073. %

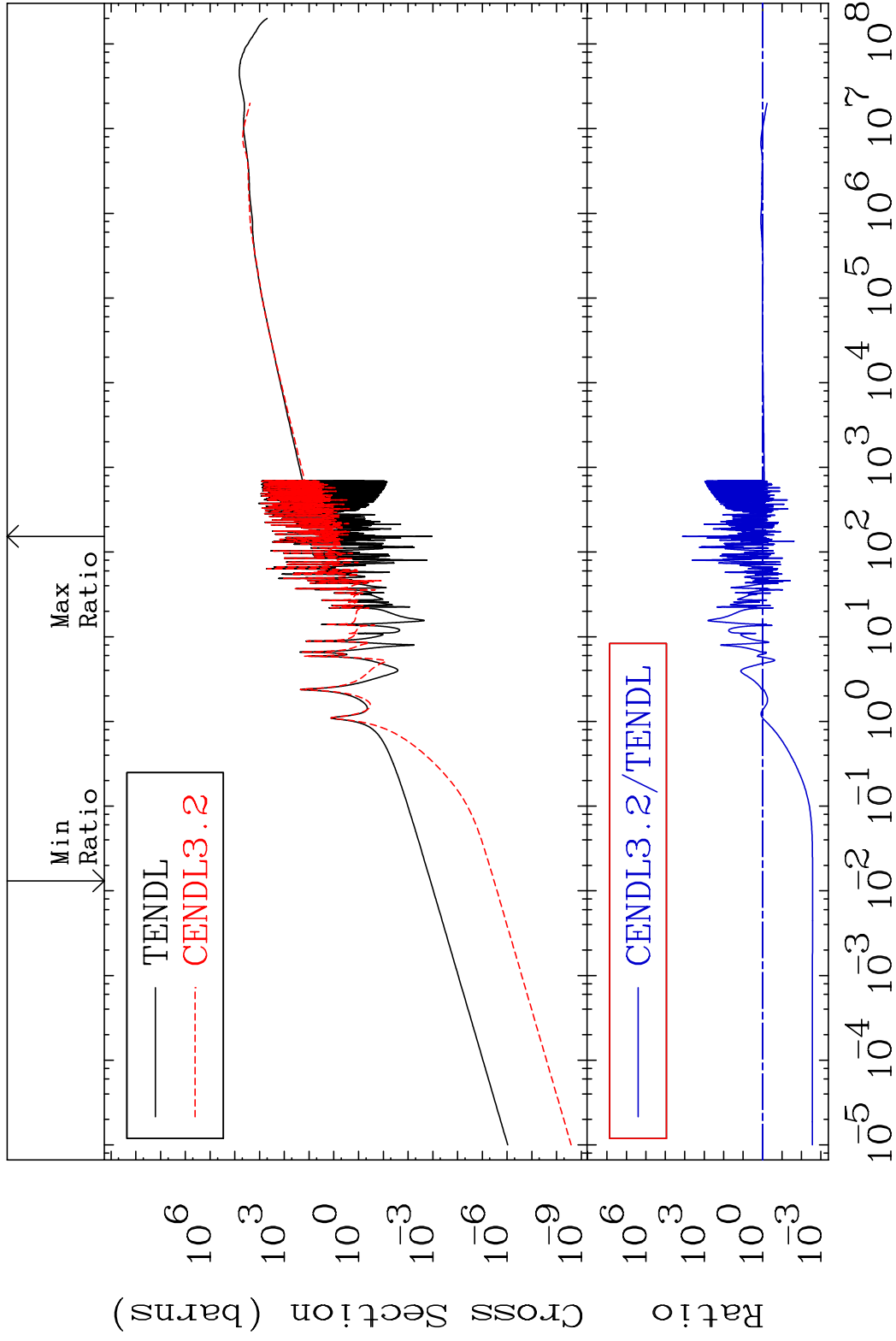


MAT 7234

Kerma elastic

72-Hf-177

Cross Section -99.73 To 9999. %

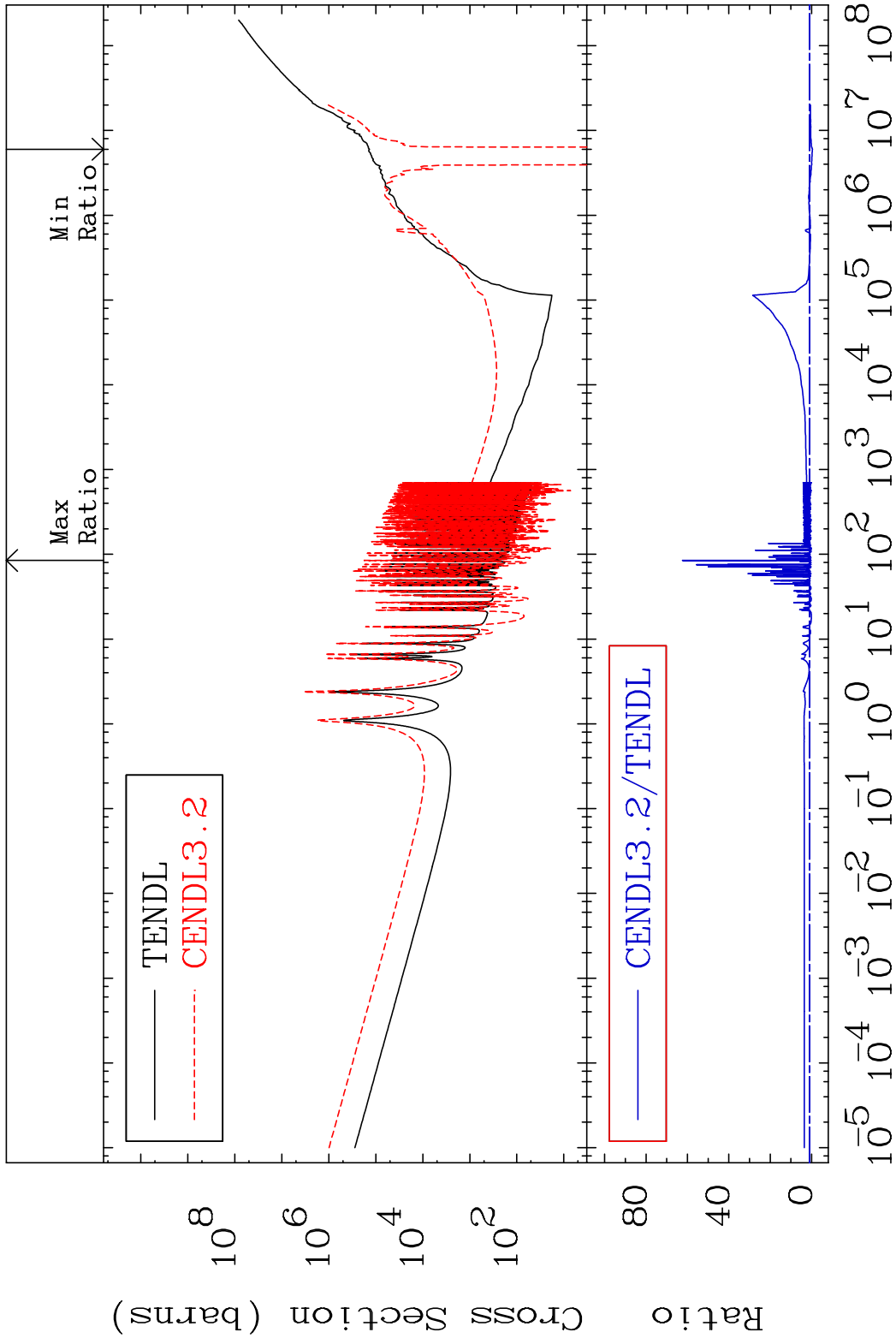


22

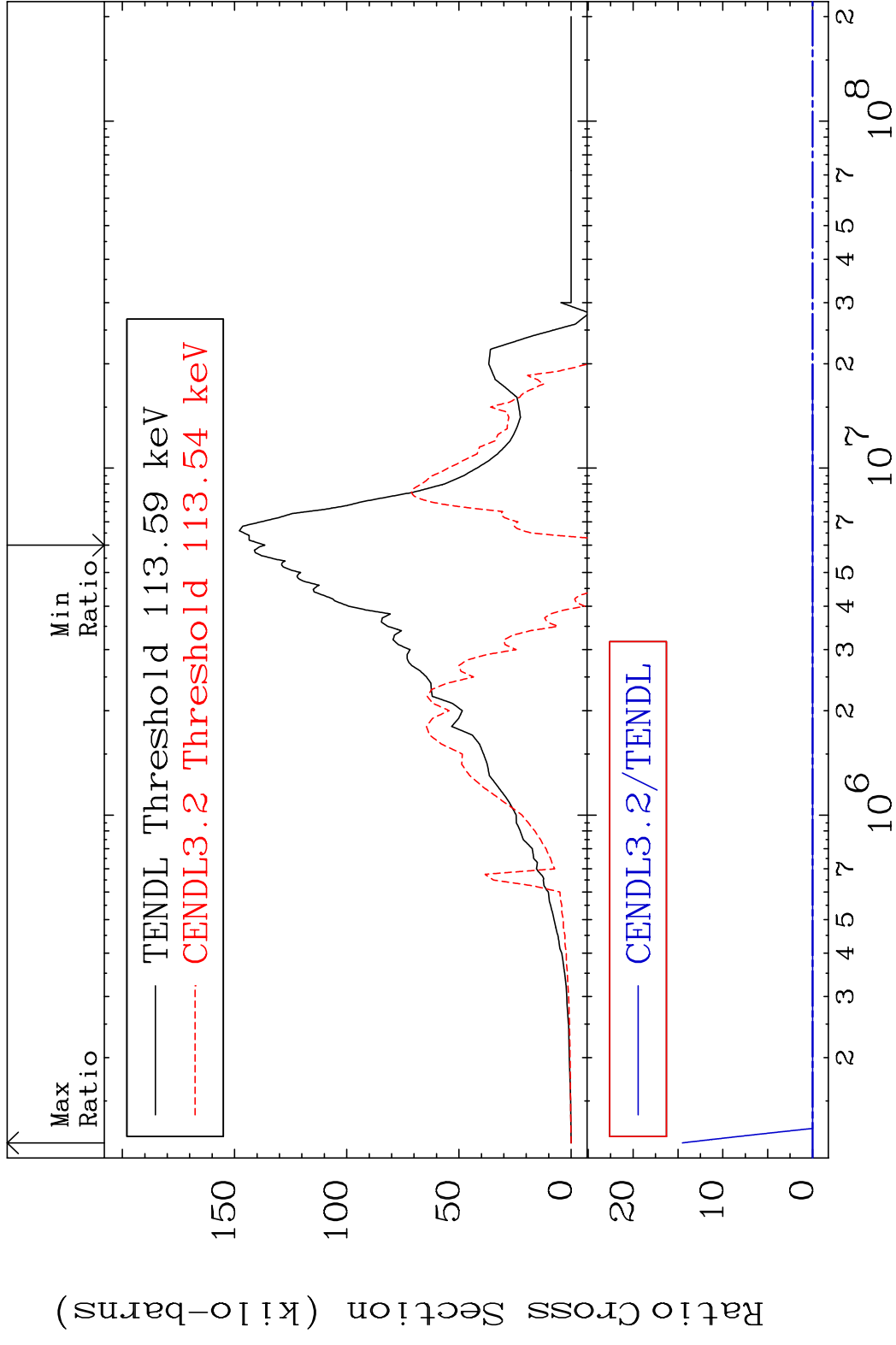
Incident Energy (eV)

72-Hf-177

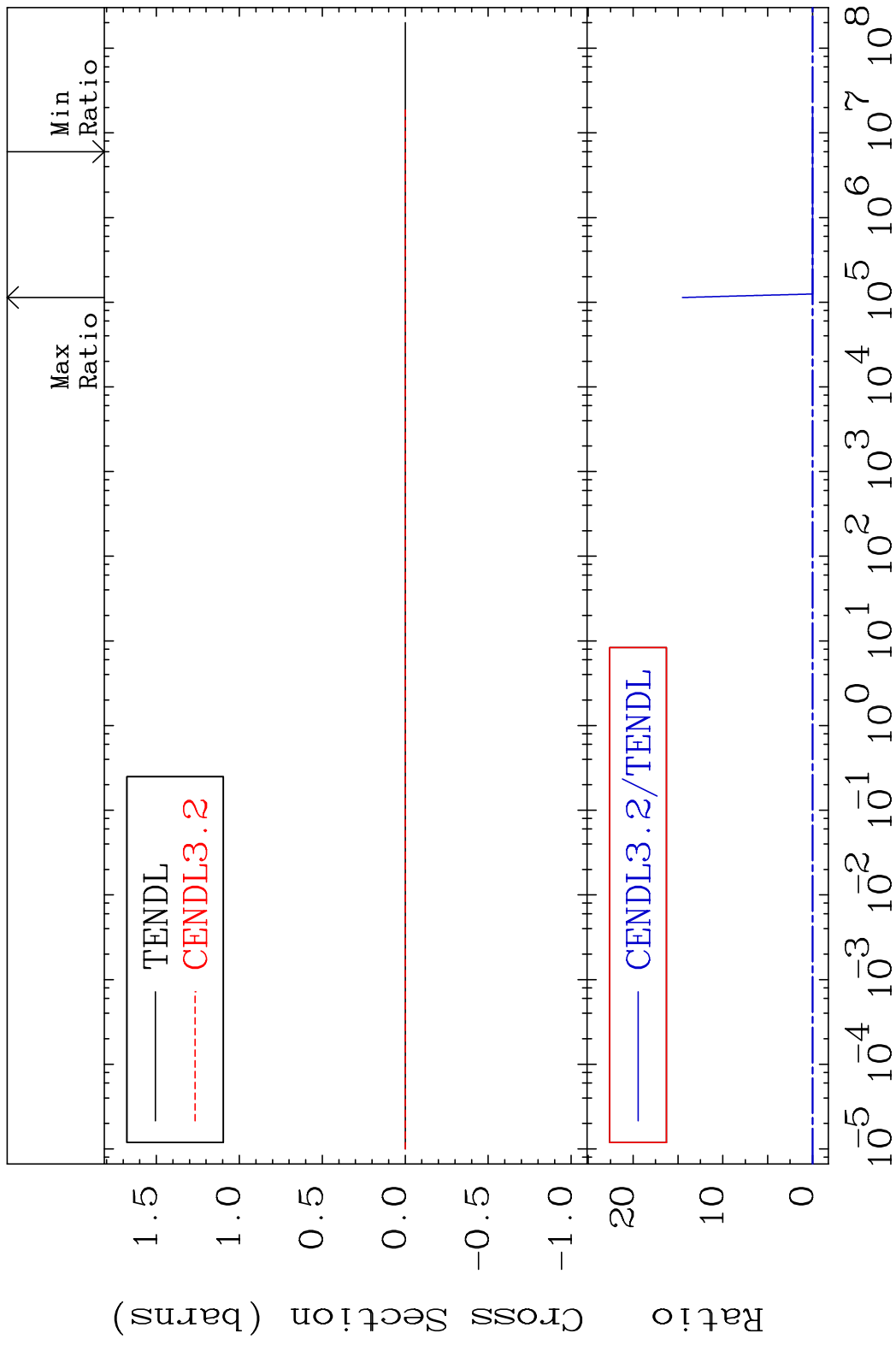
MAT 7234 Kerma non-elastic (all but mt2) 72-Hf-177
 Cross Section -139.9 To 6156. %



MAT 7234 Kerma inelastic (mt51-91) 72-Hf-177
 Cross Section -140.0 To 9999. %



MAT 7234 Kerma fission (mt18 or mt19-20-21-38)72-Hf-177
 Cross Section -140.0 To 9999. %

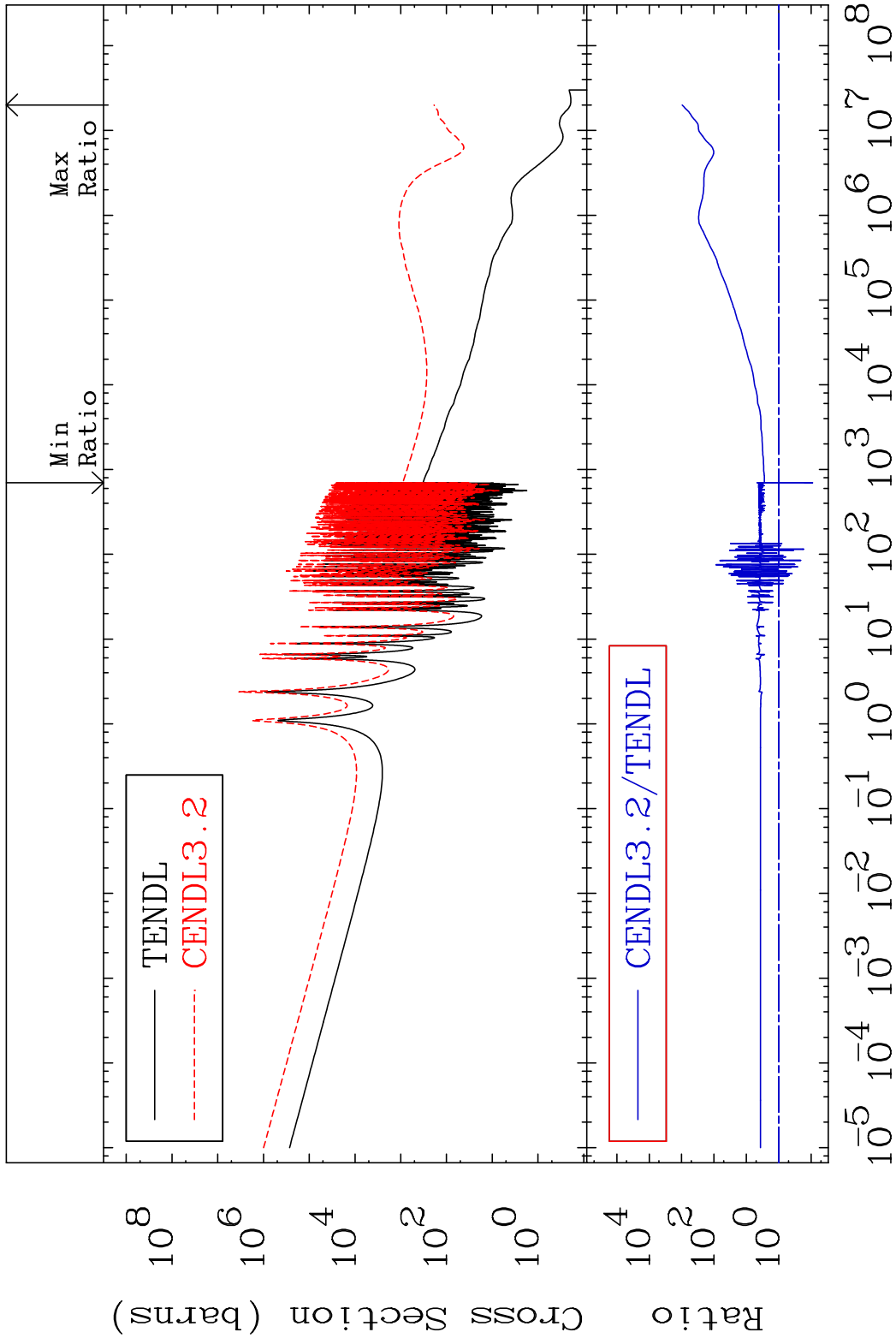


MAT 7234

Kerma capture (mt102)

72-Hf-177

Cross Section -90.89 To 9999. %

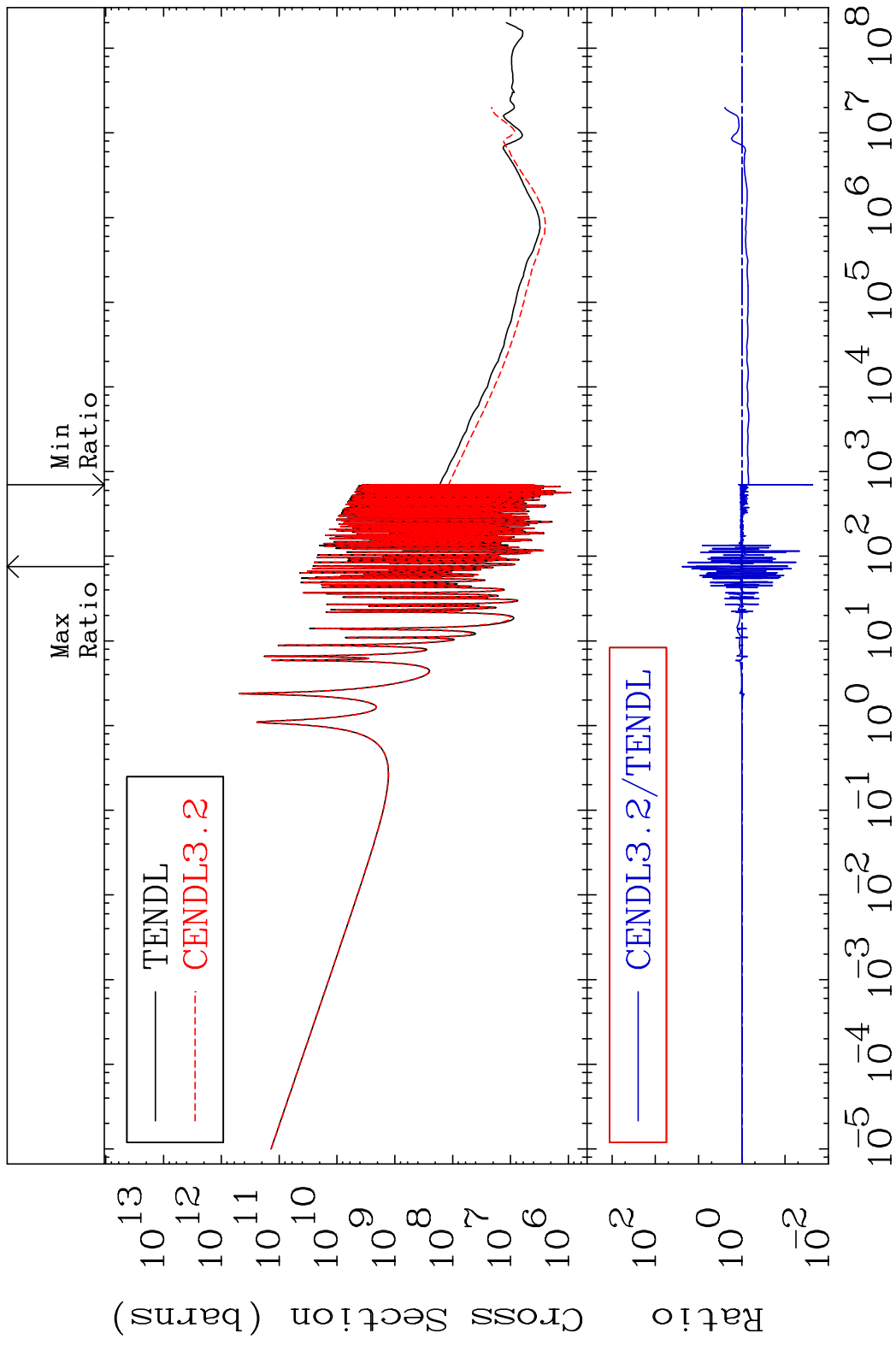


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Incident Energy (eV)

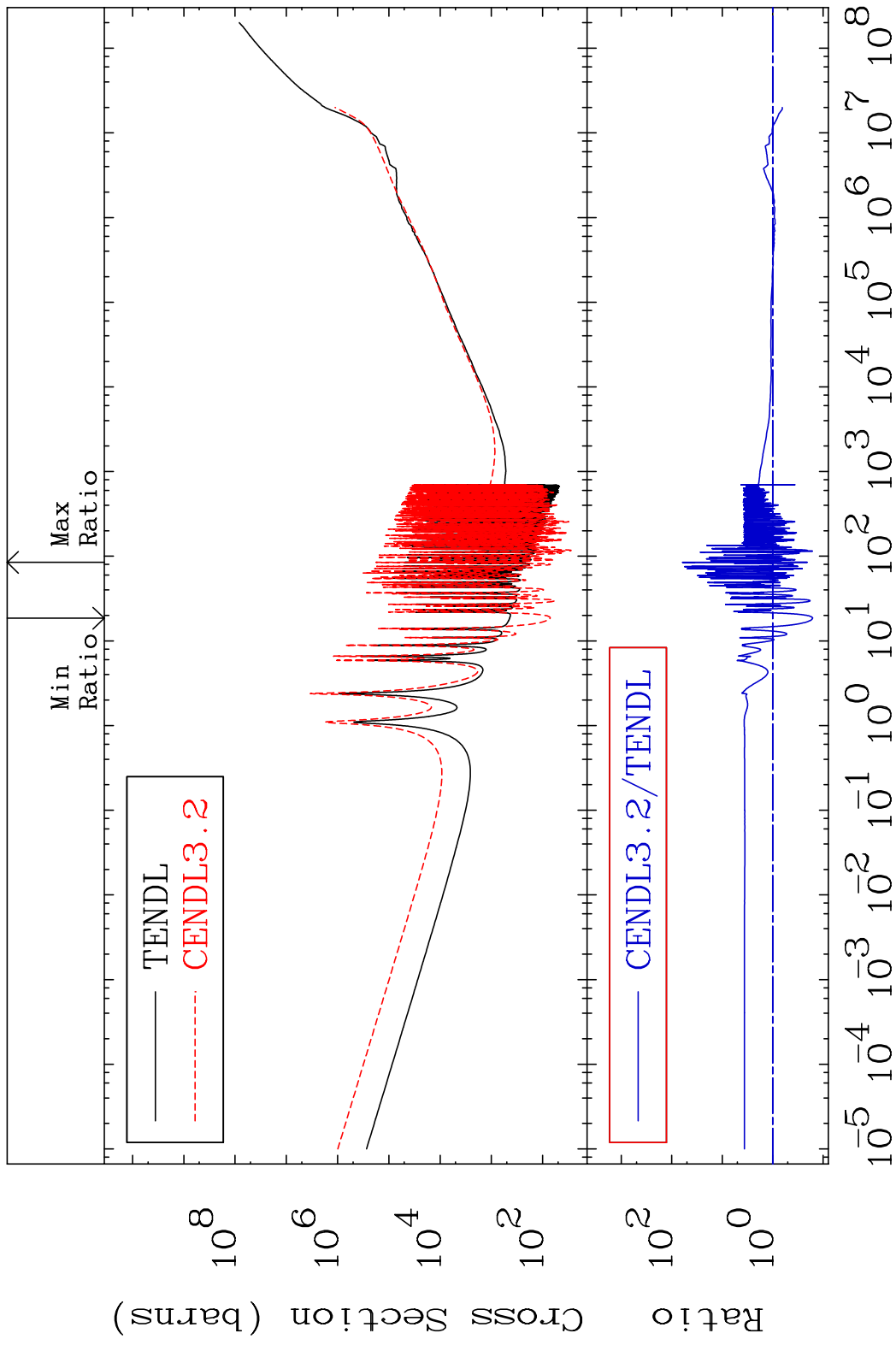
72-Hf-177

MAT 7234 Total photon (eV-barns) 72-Hf-177
 Cross Section -97.68 To 2274. %



27 Incident Energy (eV) 72-Hf-177

MAT 7234 Total kinematic kerma (high limit) 72-Hf-177
Cross Section -83.84 To 6071. %

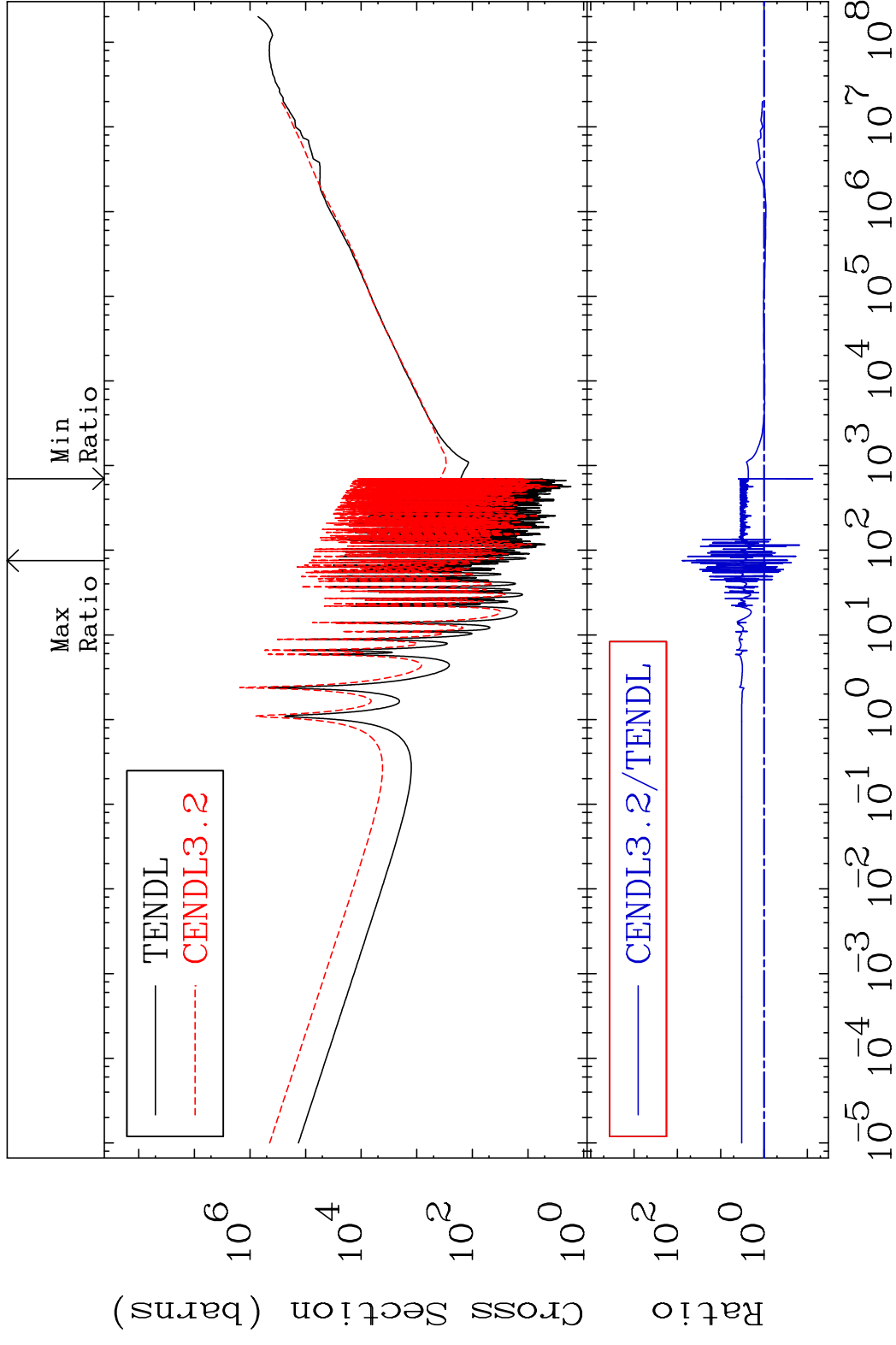


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -92.40 To 7568. %

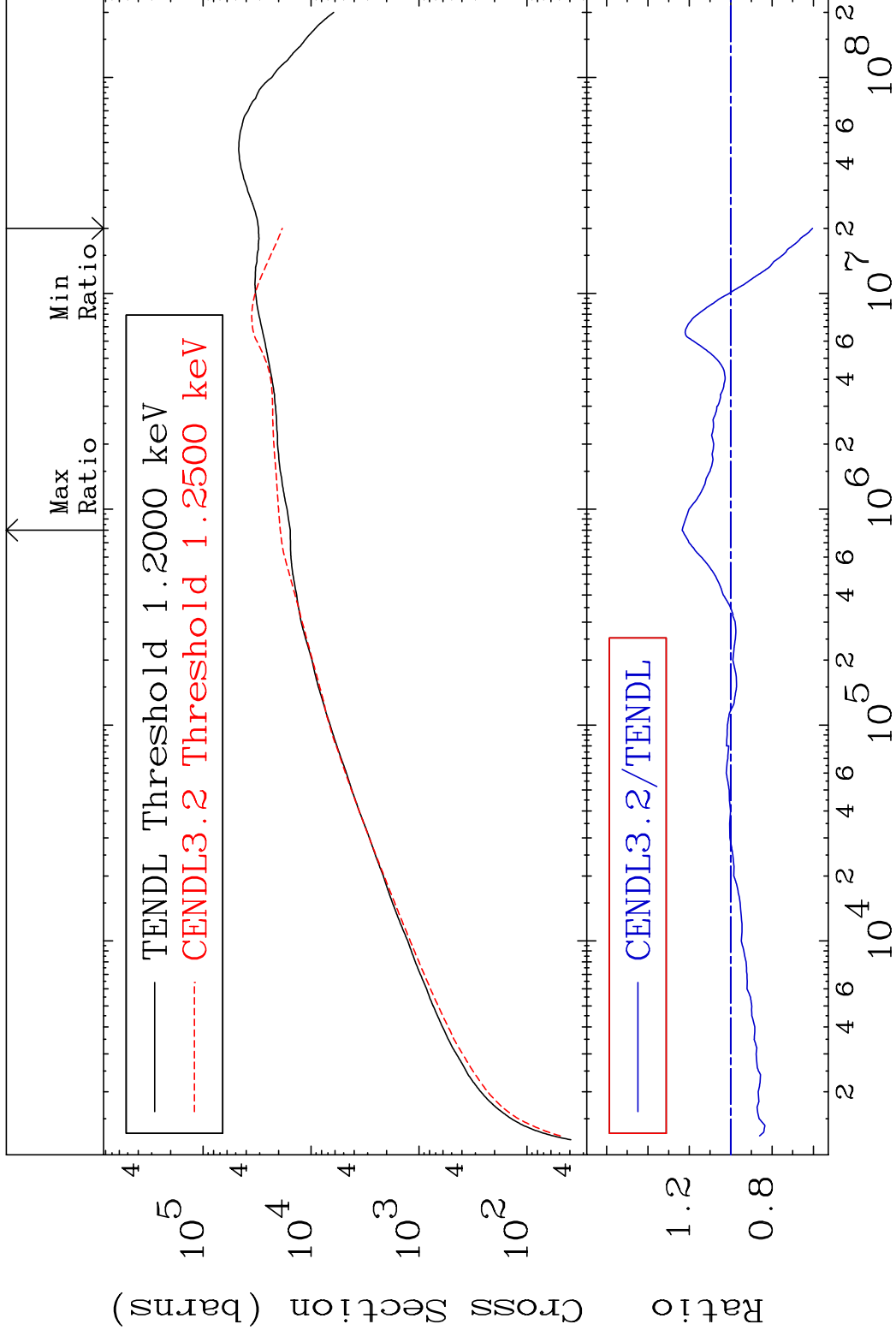


MAT 7234

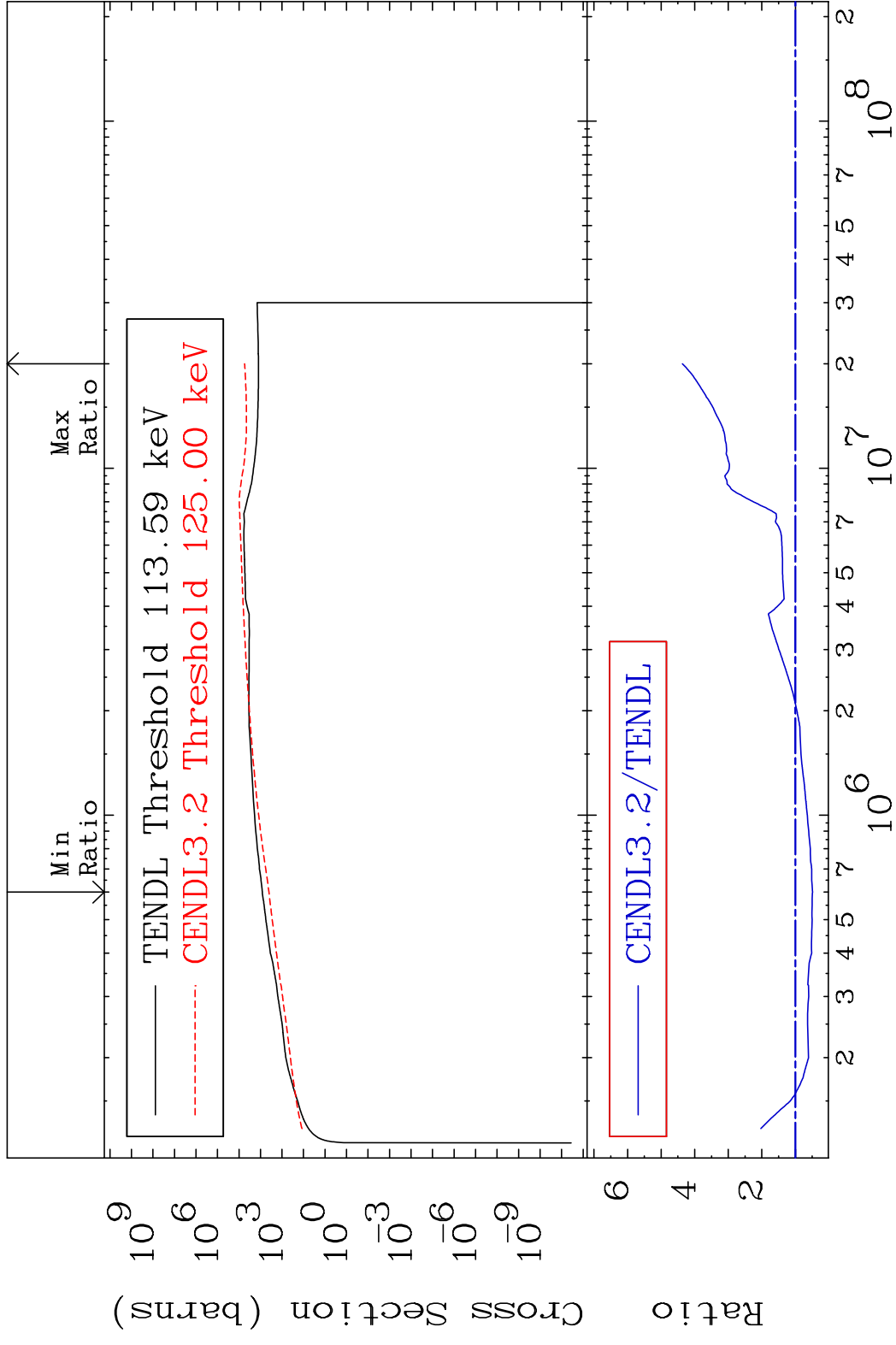
Dpa elastic (mt2)

72-Hf-177

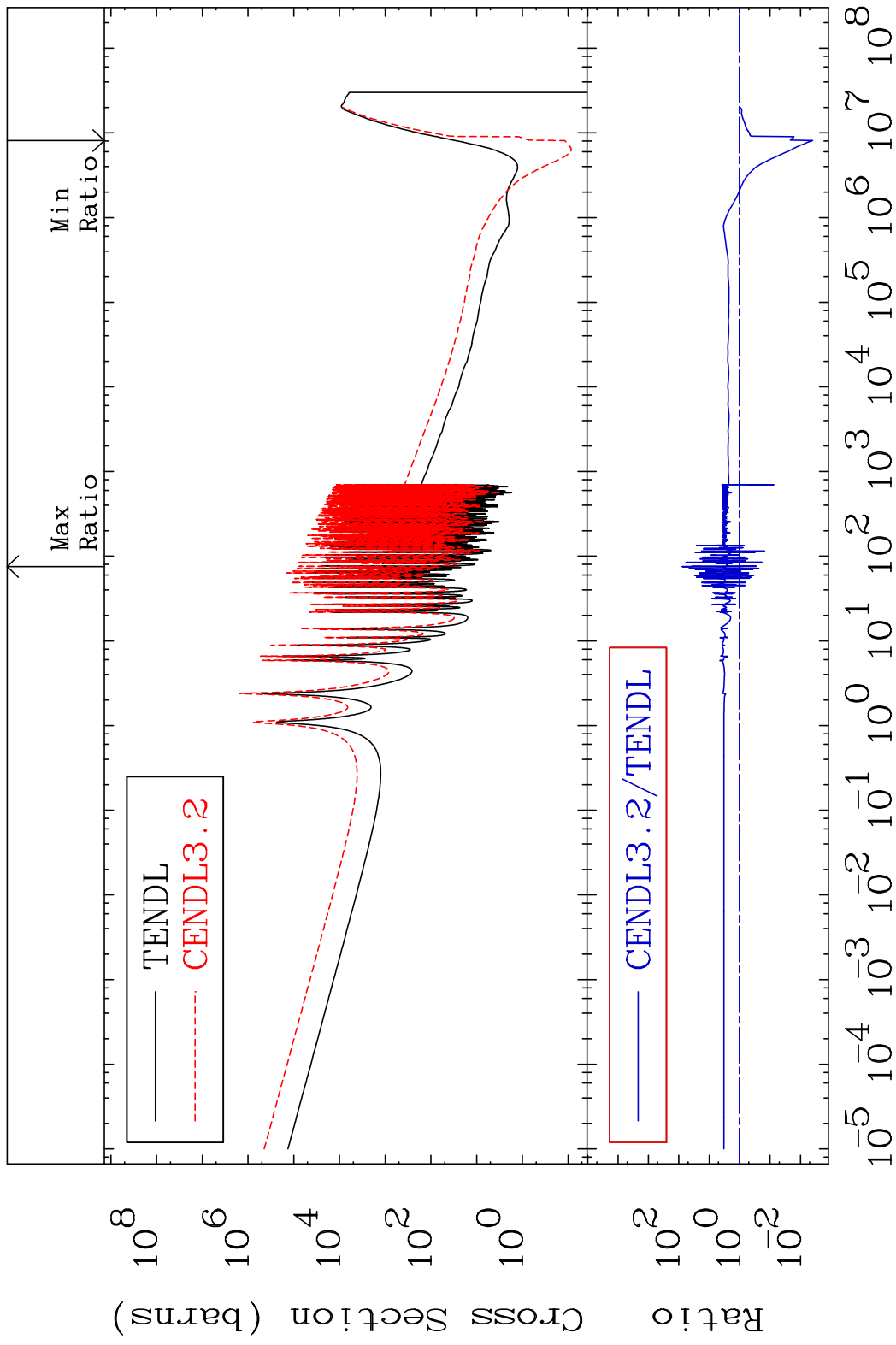
Cross Section -39.53 To 23.46 %



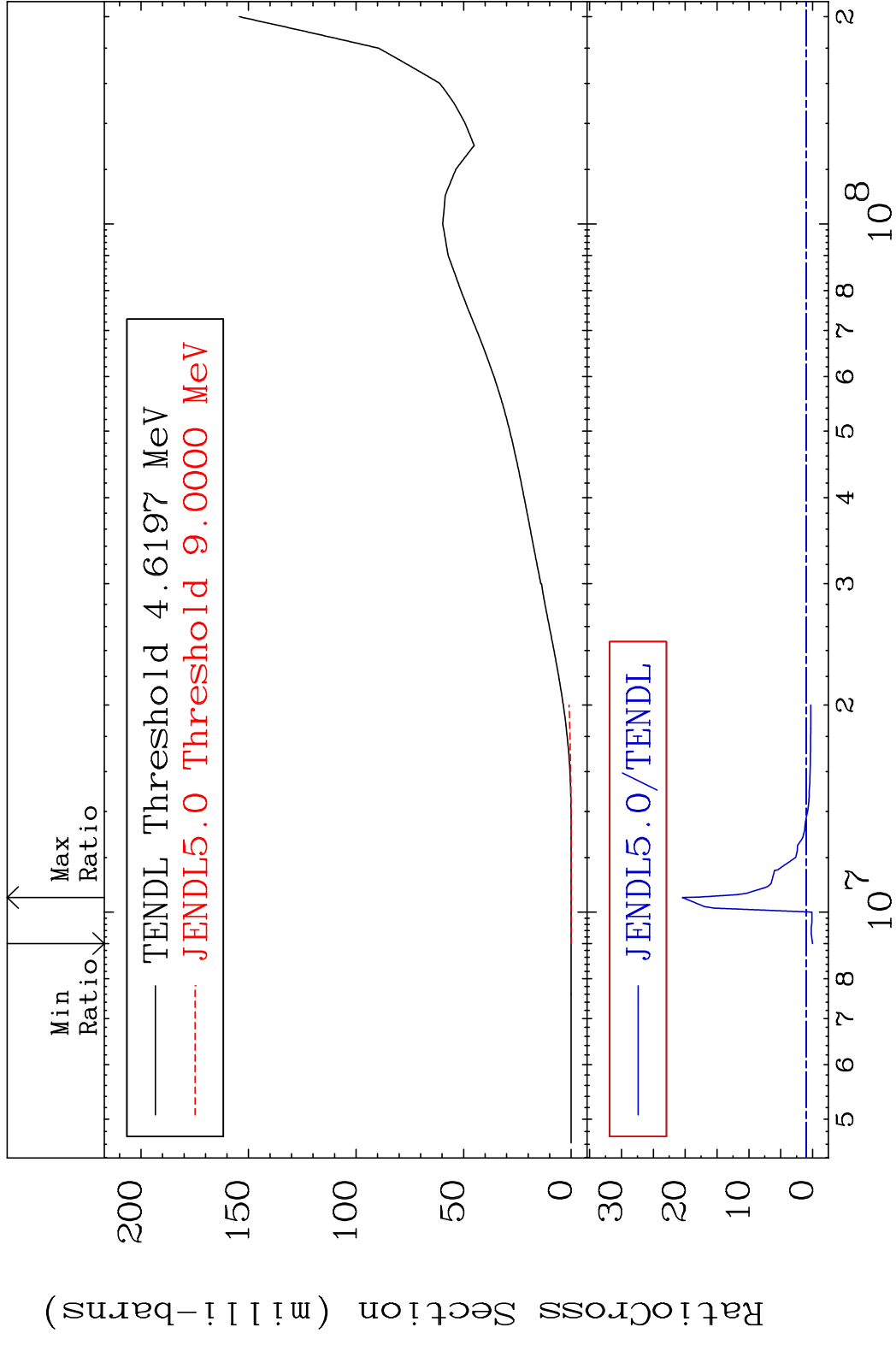
MAT 7234 Dpa inelastic (mt51-91) 72-Hf-177
 Cross Section -51.14 To 336.7 %



MAT 7234 Dpa disappearance (mt102 -120) 72-Hf-177
 Cross Section -99.60 To 7568. %



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

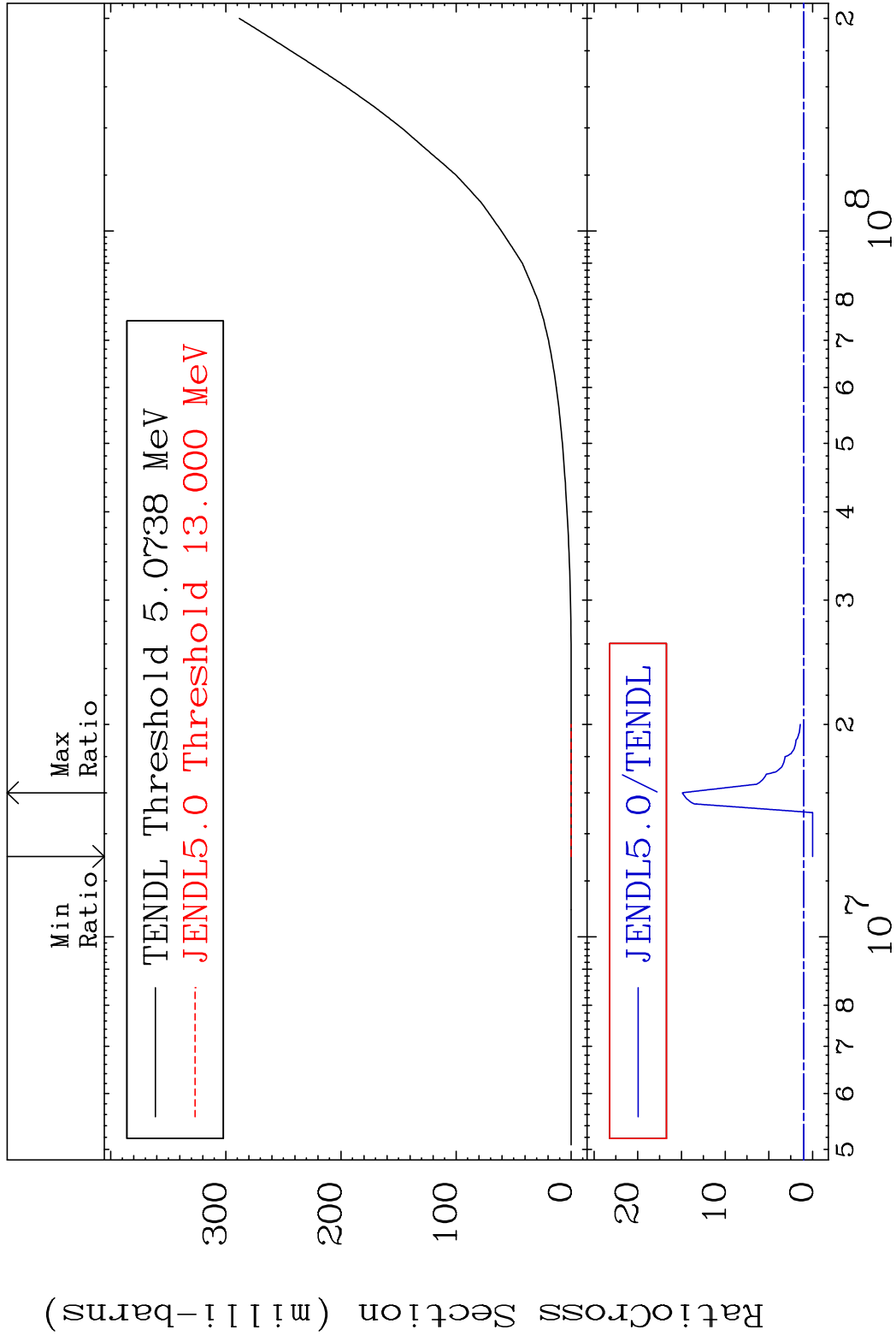


MAT 7234

He-3 Production

72-Hf-177

Cross Section -100.0 To 1390. %



34

Incident Energy (eV)

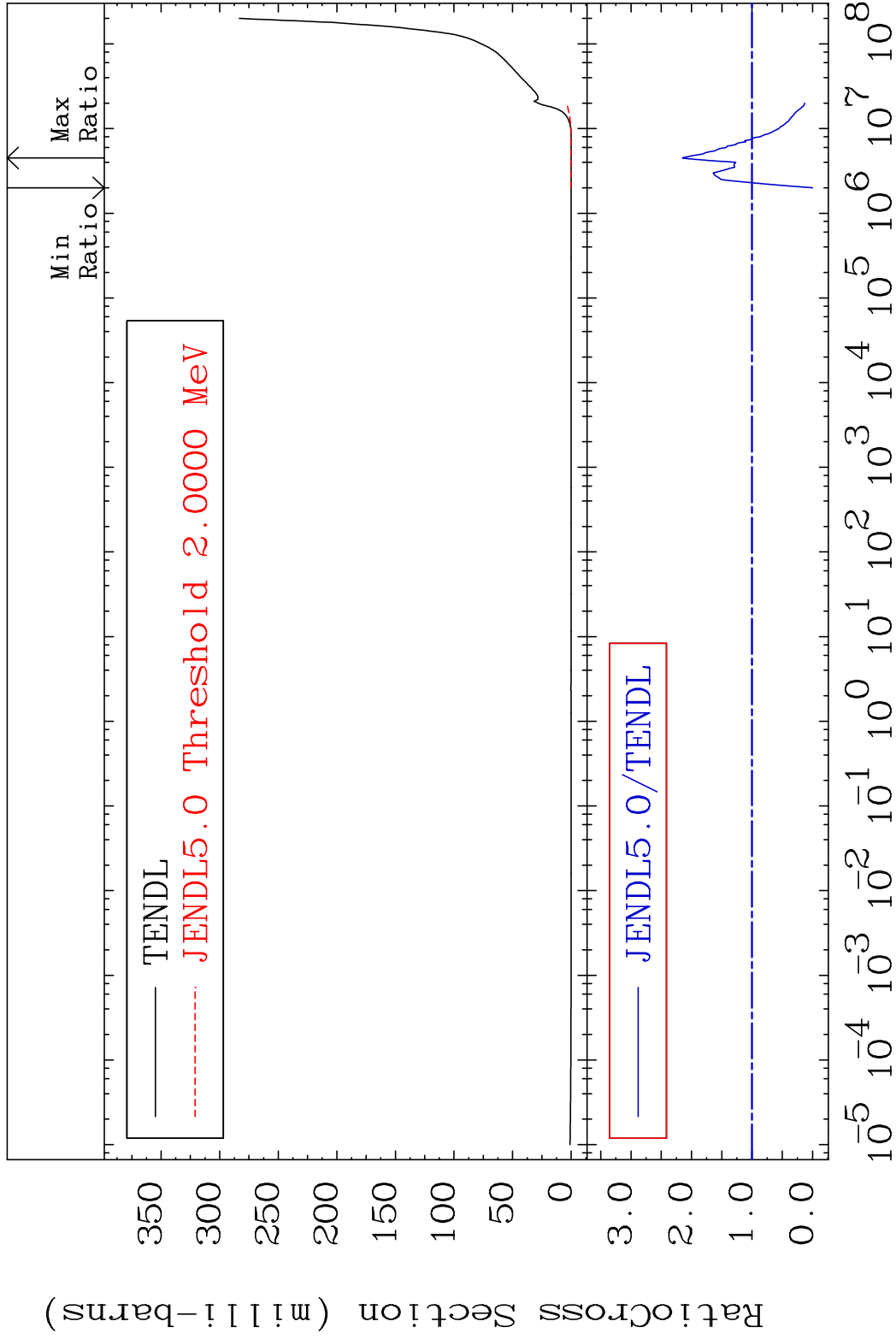
72-Hf-177

MAT 7234

He-4 Production

72-Hf-177

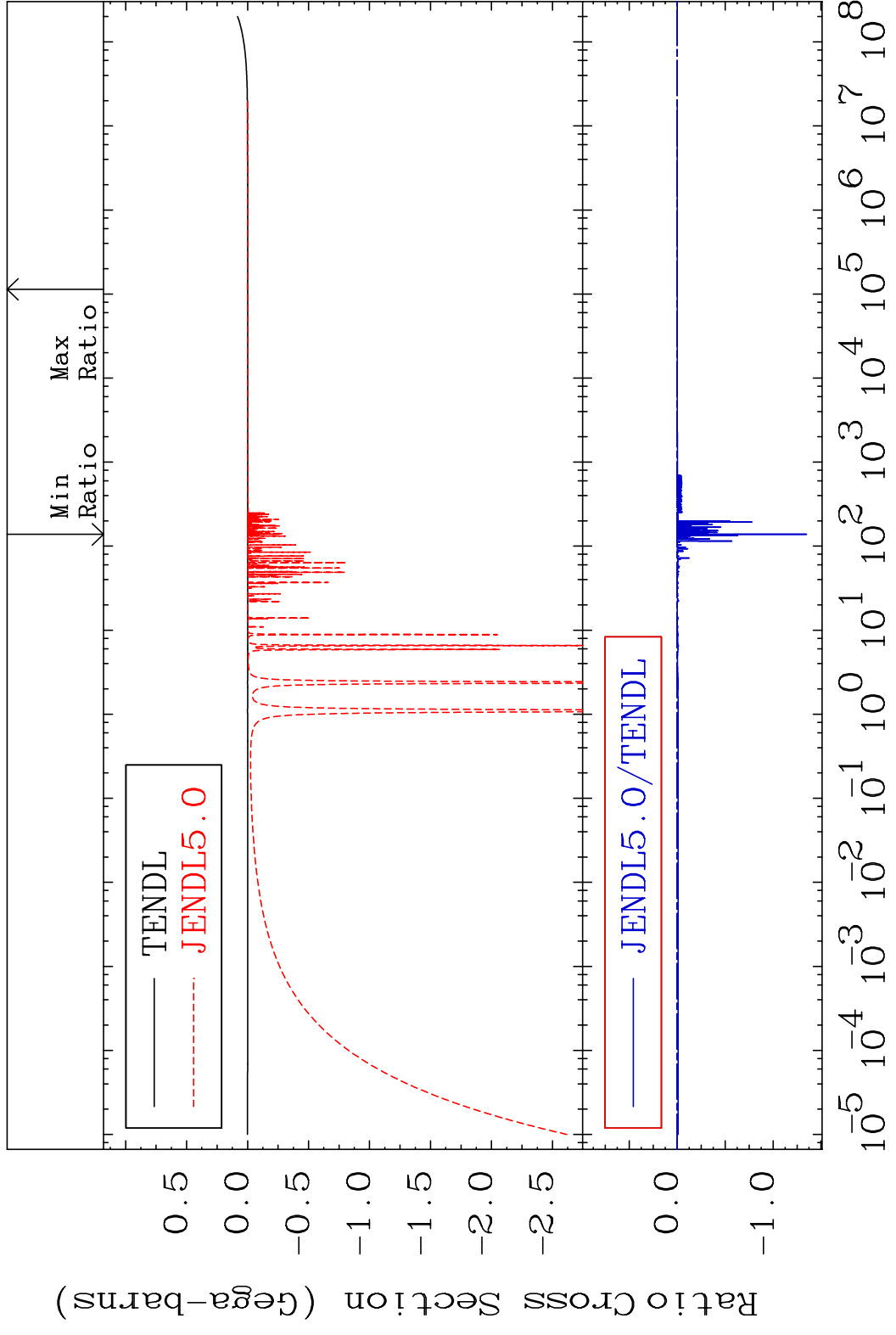
Cross Section -100.0 To 115.1 %



35

Incident Energy (eV)

72-Hf-177

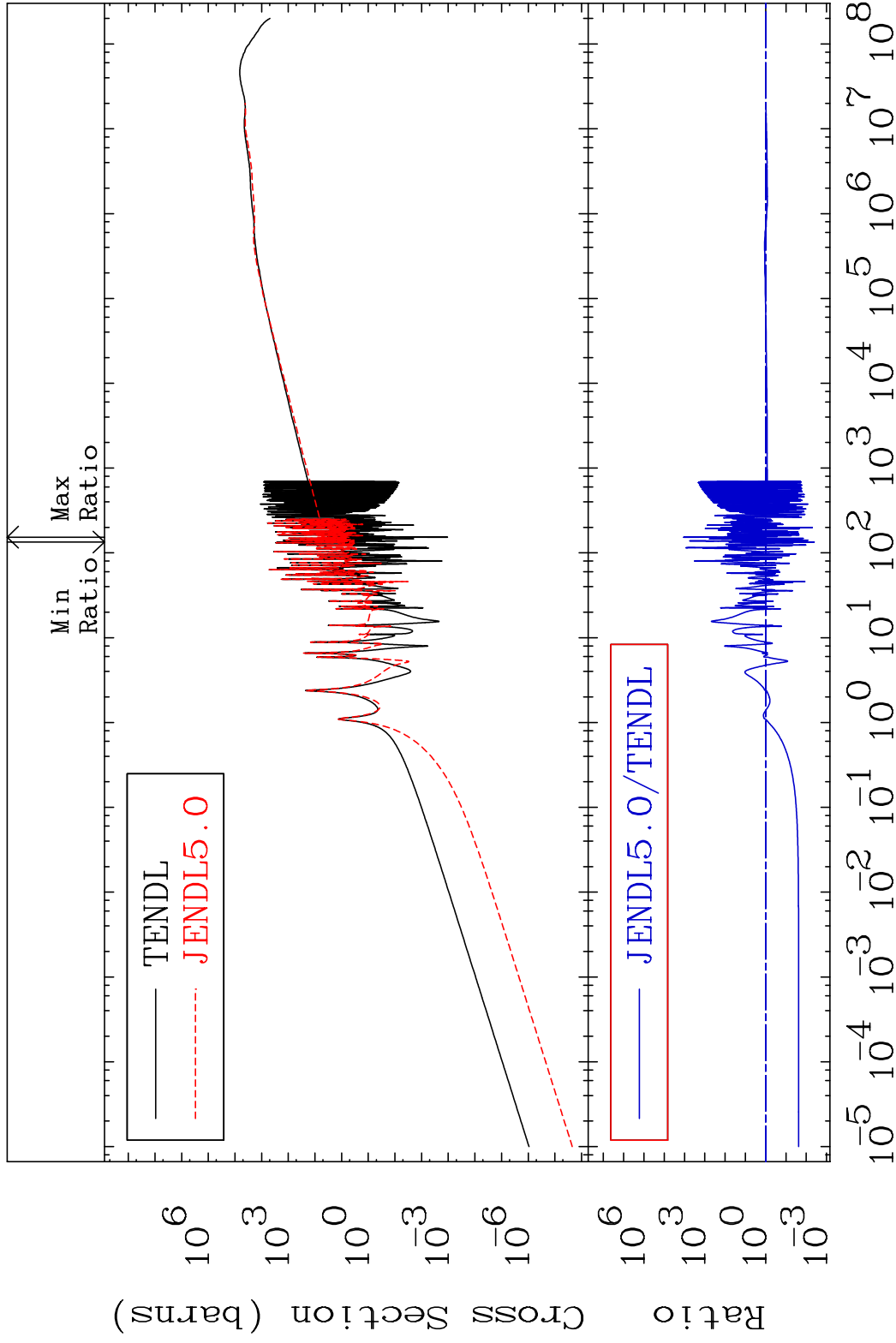


MAT 7234

Kerma elastic

72-Hf-177

Cross Section -99.59 To 9999. %

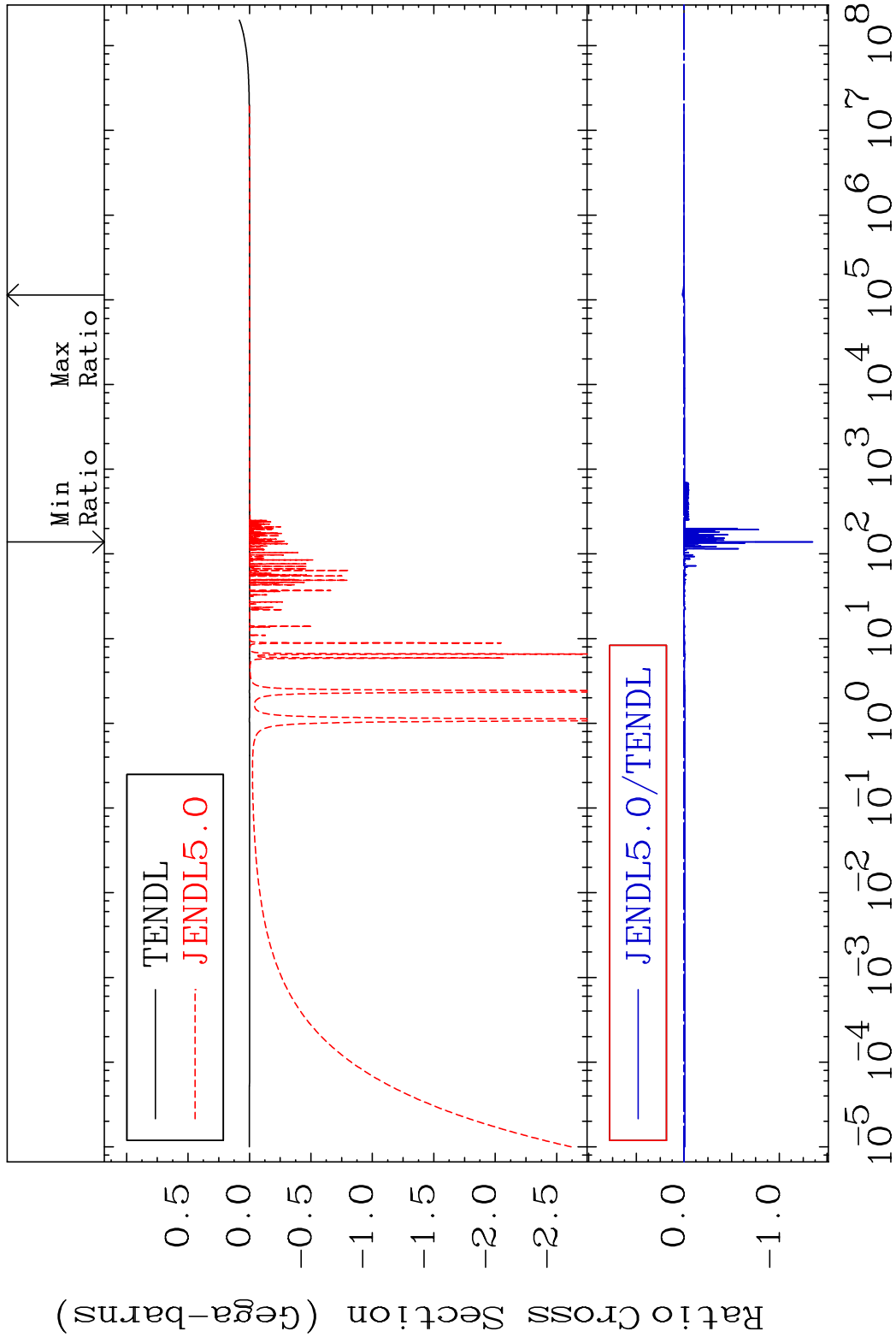


37

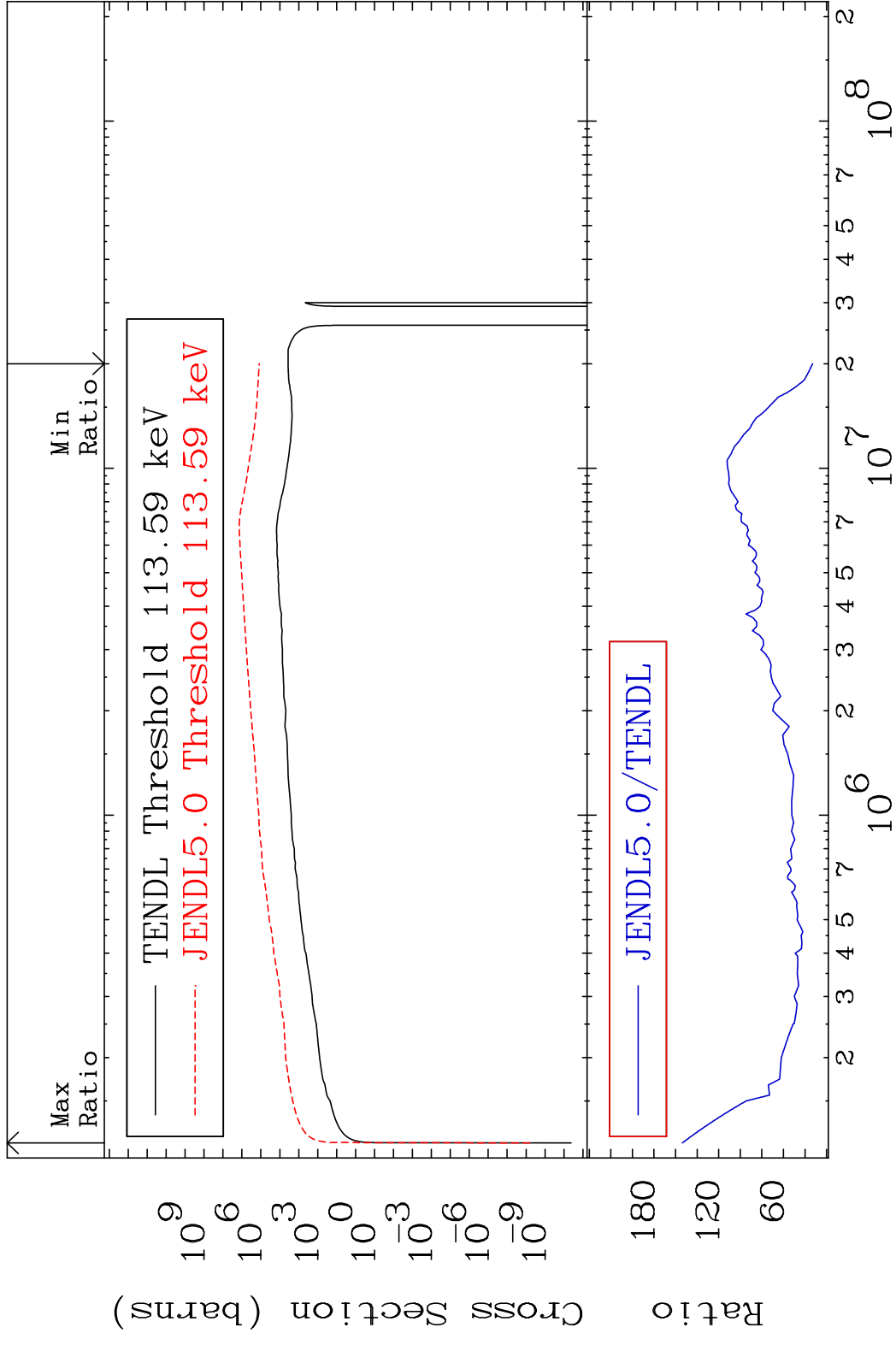
Incident Energy (eV)

72-Hf-177

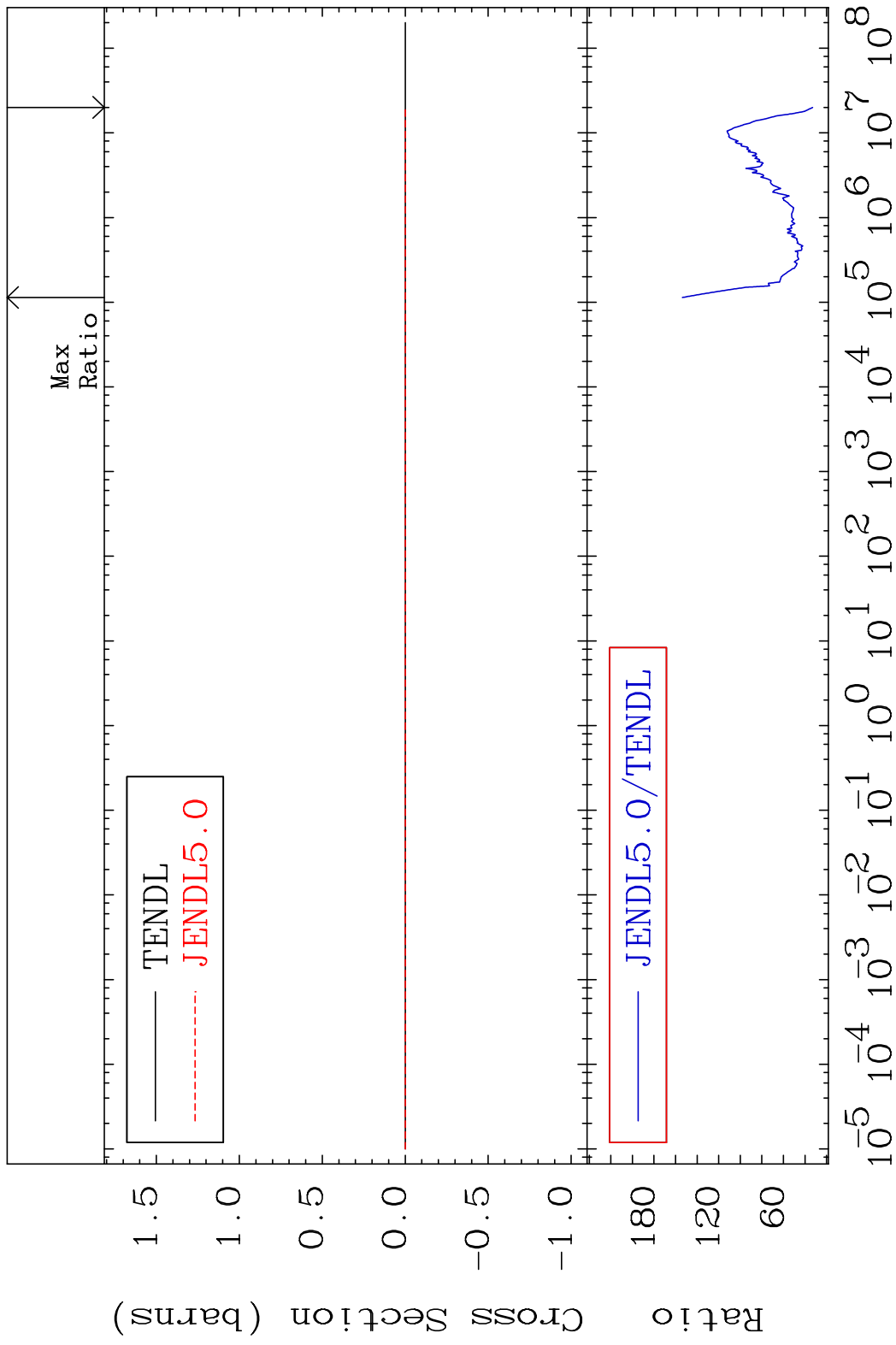
MAT 7234 Kerma non-elastic (all but mt2) 72-Hf-177
 Cross Section -9999. To 9999. %



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. %

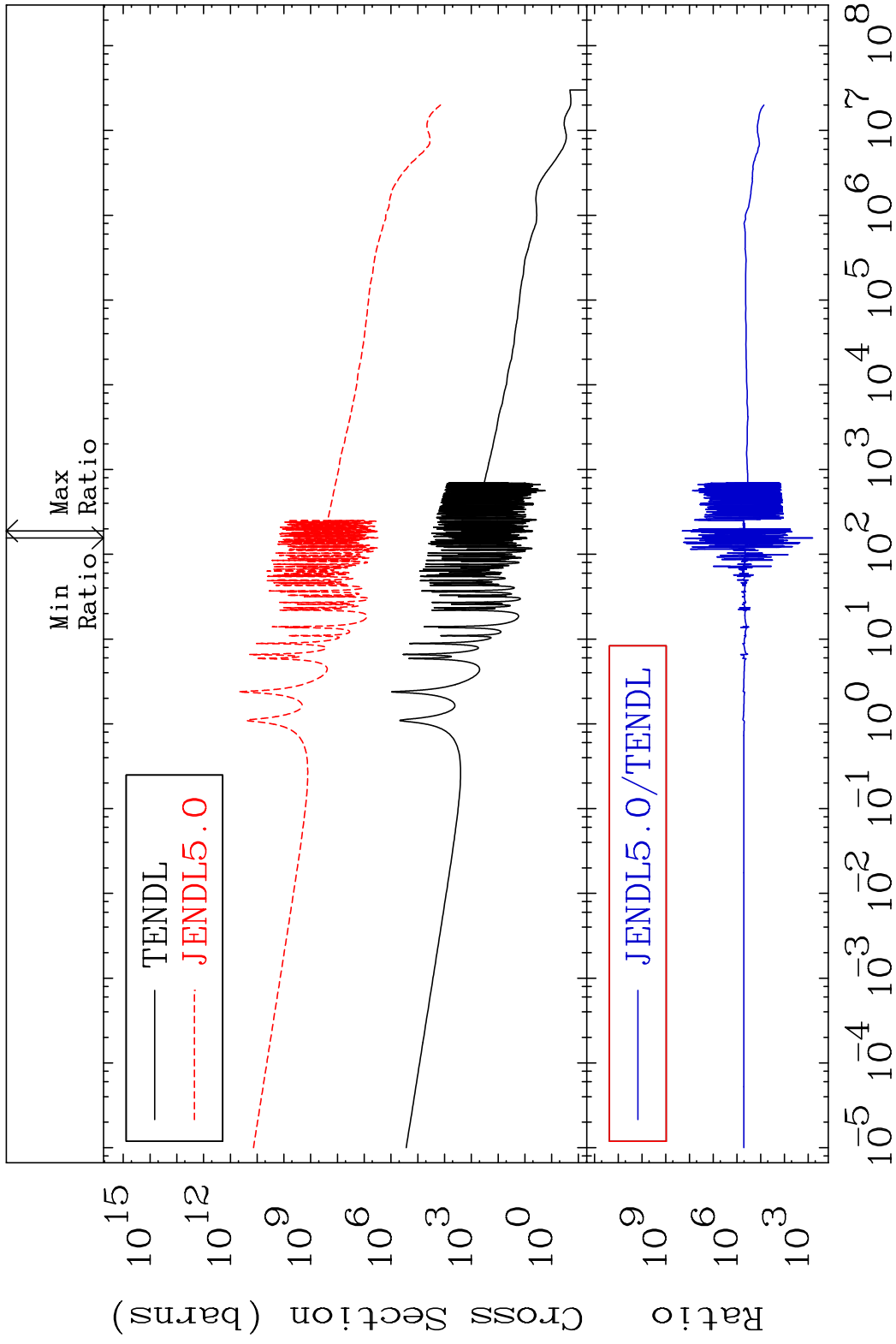


MAT 7234

Kerma capture (mt102)

72-Hf-177

Cross Section 9999. To 9999. %

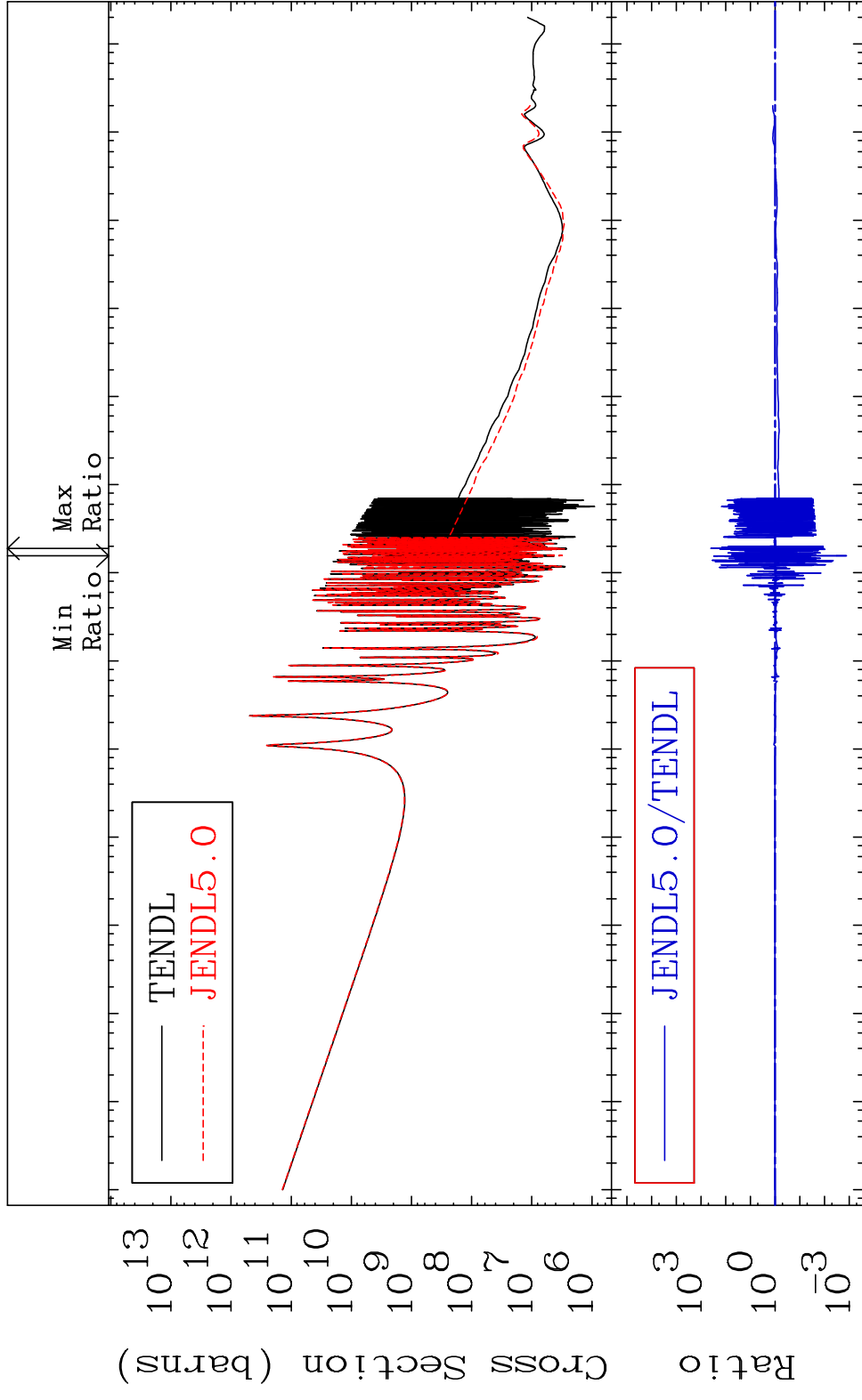


41

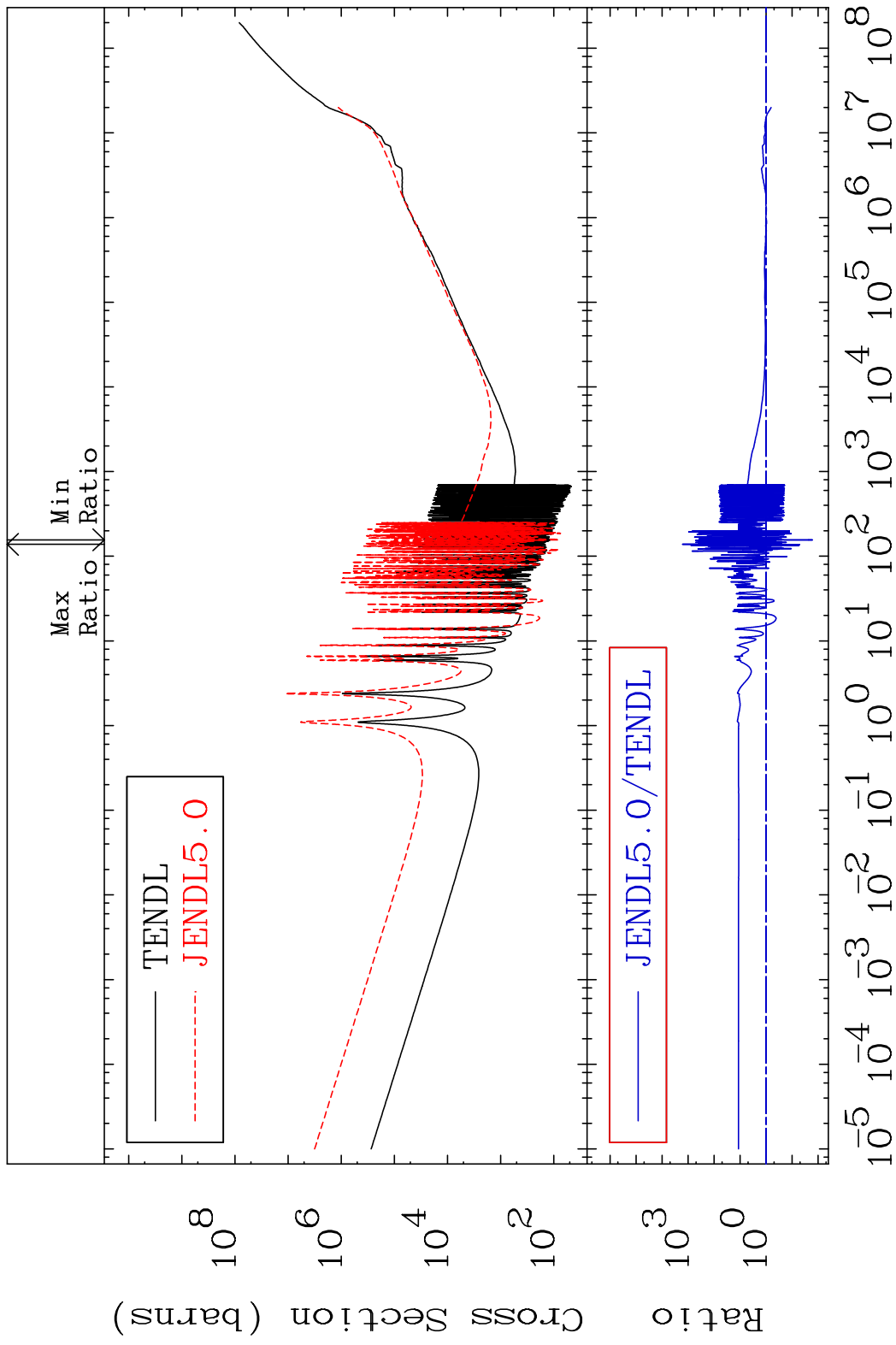
Incident Energy (eV)

72-Hf-177

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. %

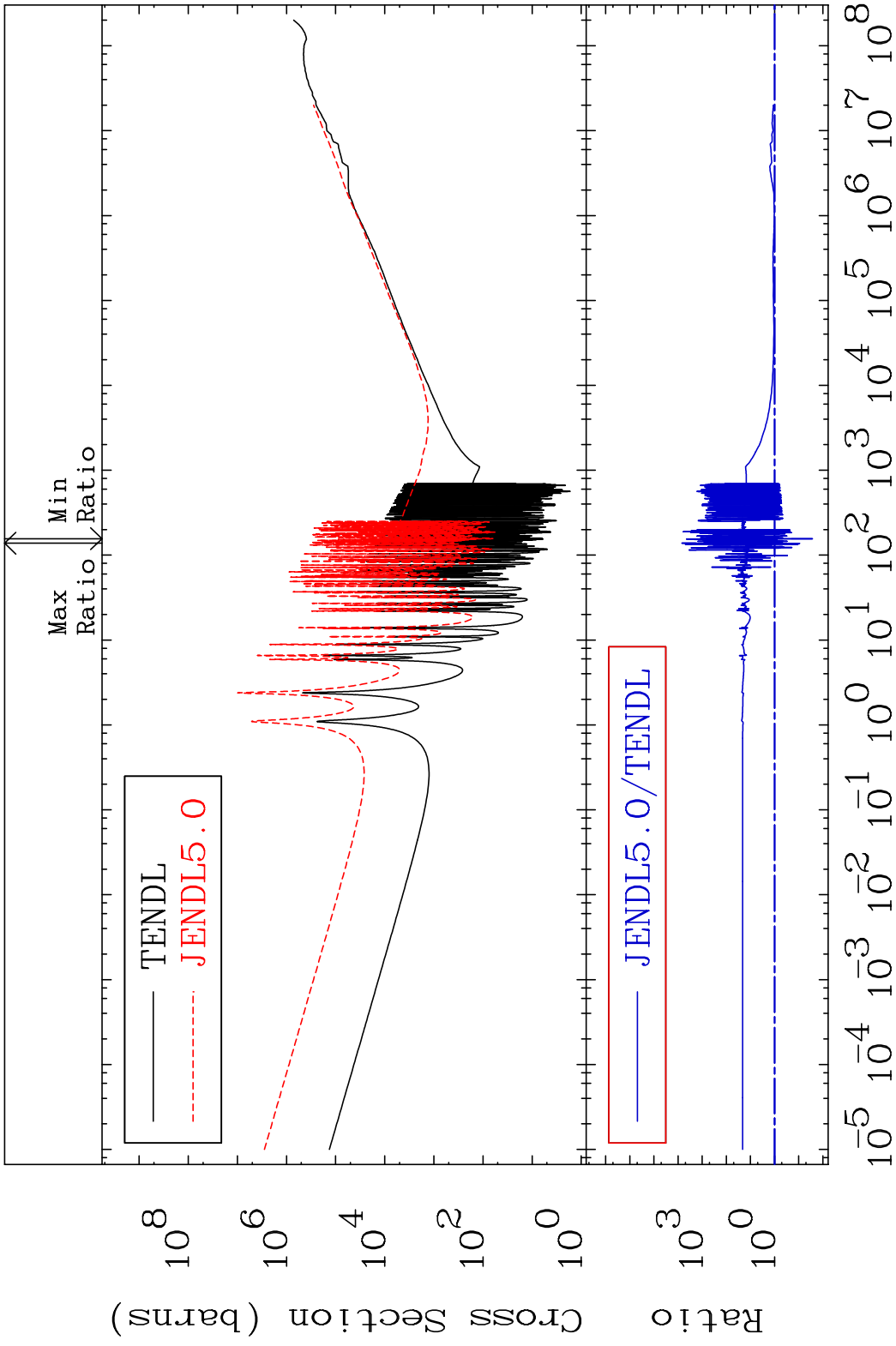


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -97.28 To 9999. %



44

Incident Energy (eV)

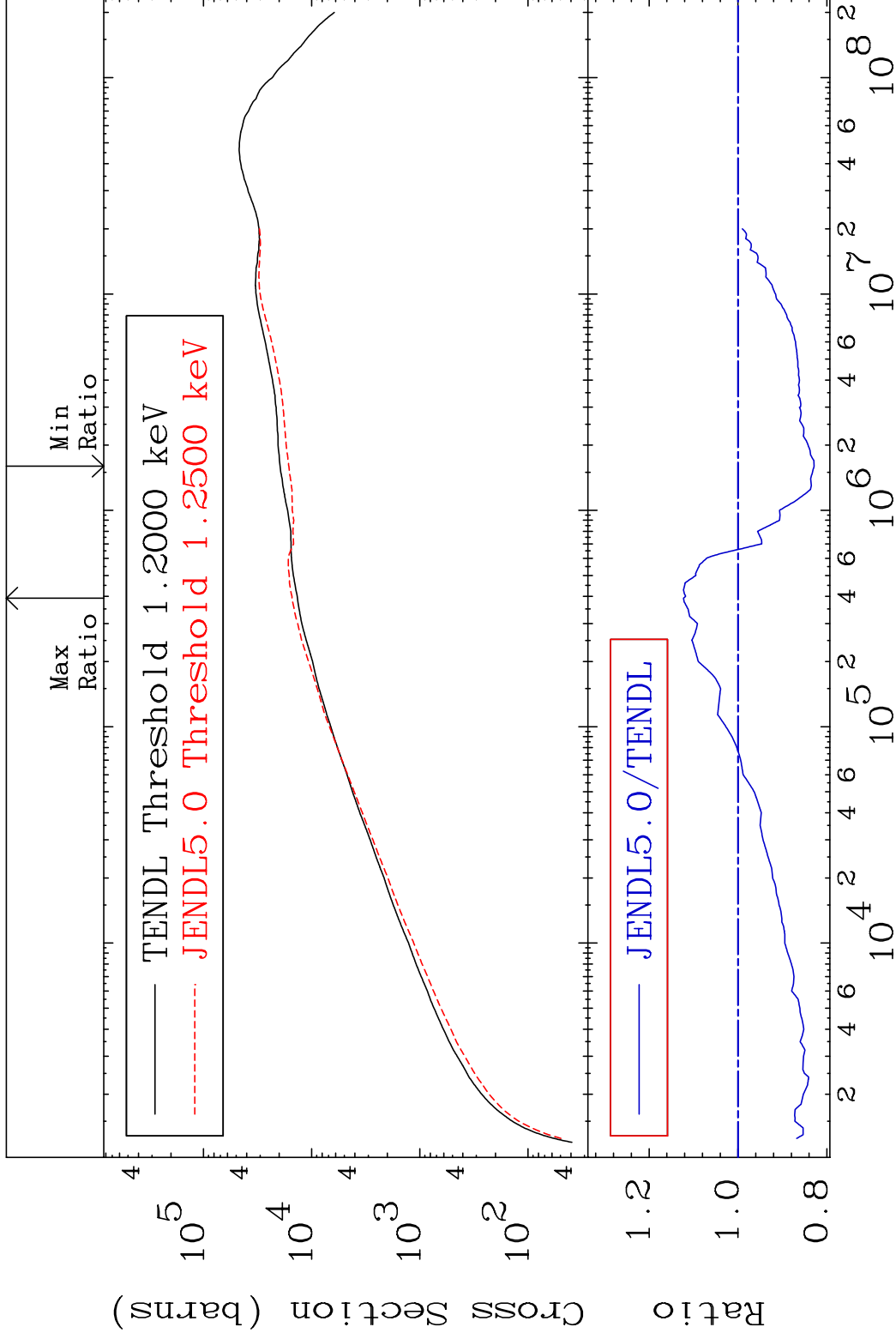
72-Hf-177

MAT 7234

Dpa elastic (mt2)

72-Hf-177

Cross Section -17.10 To 12.27 %

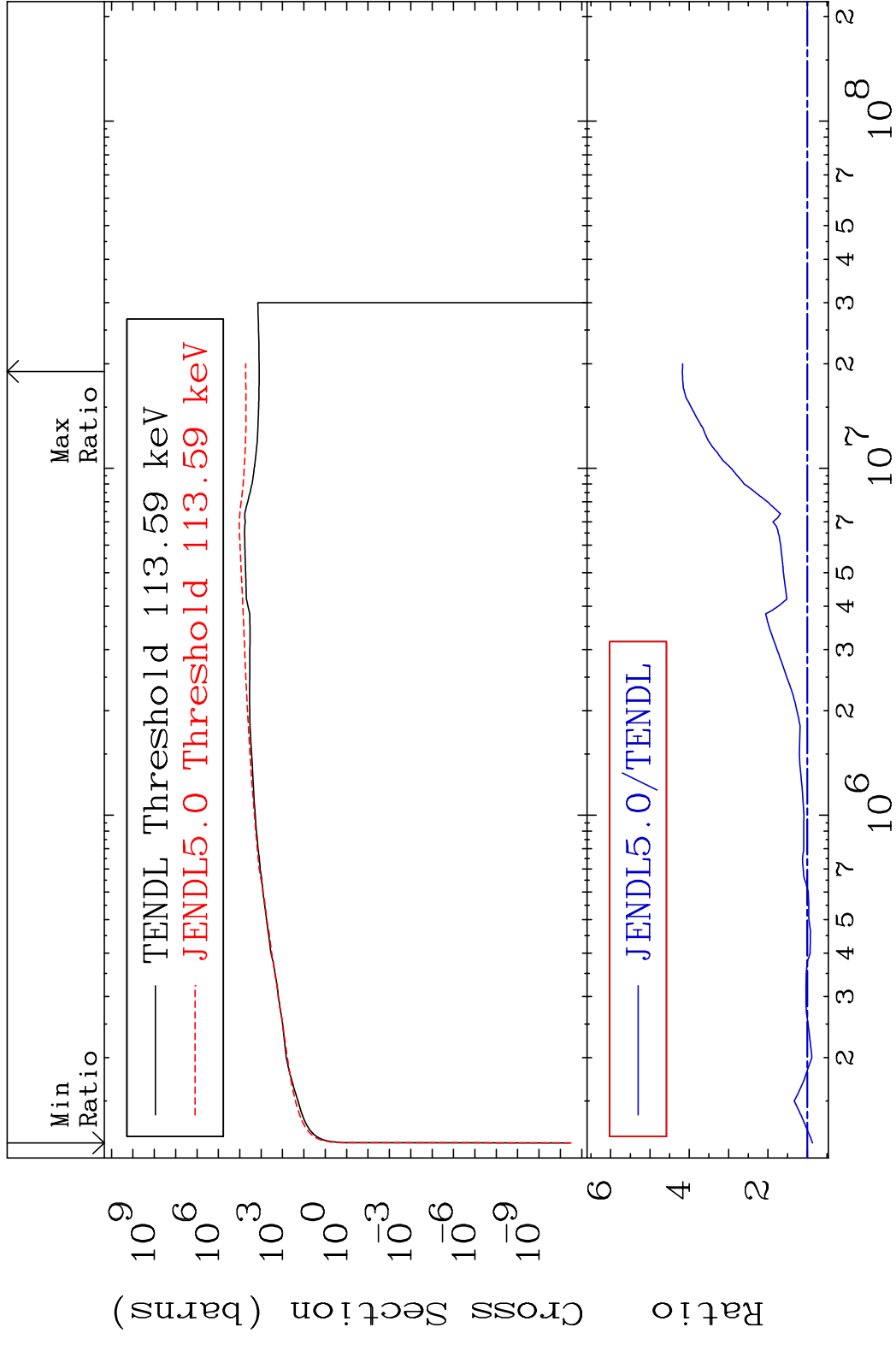


45

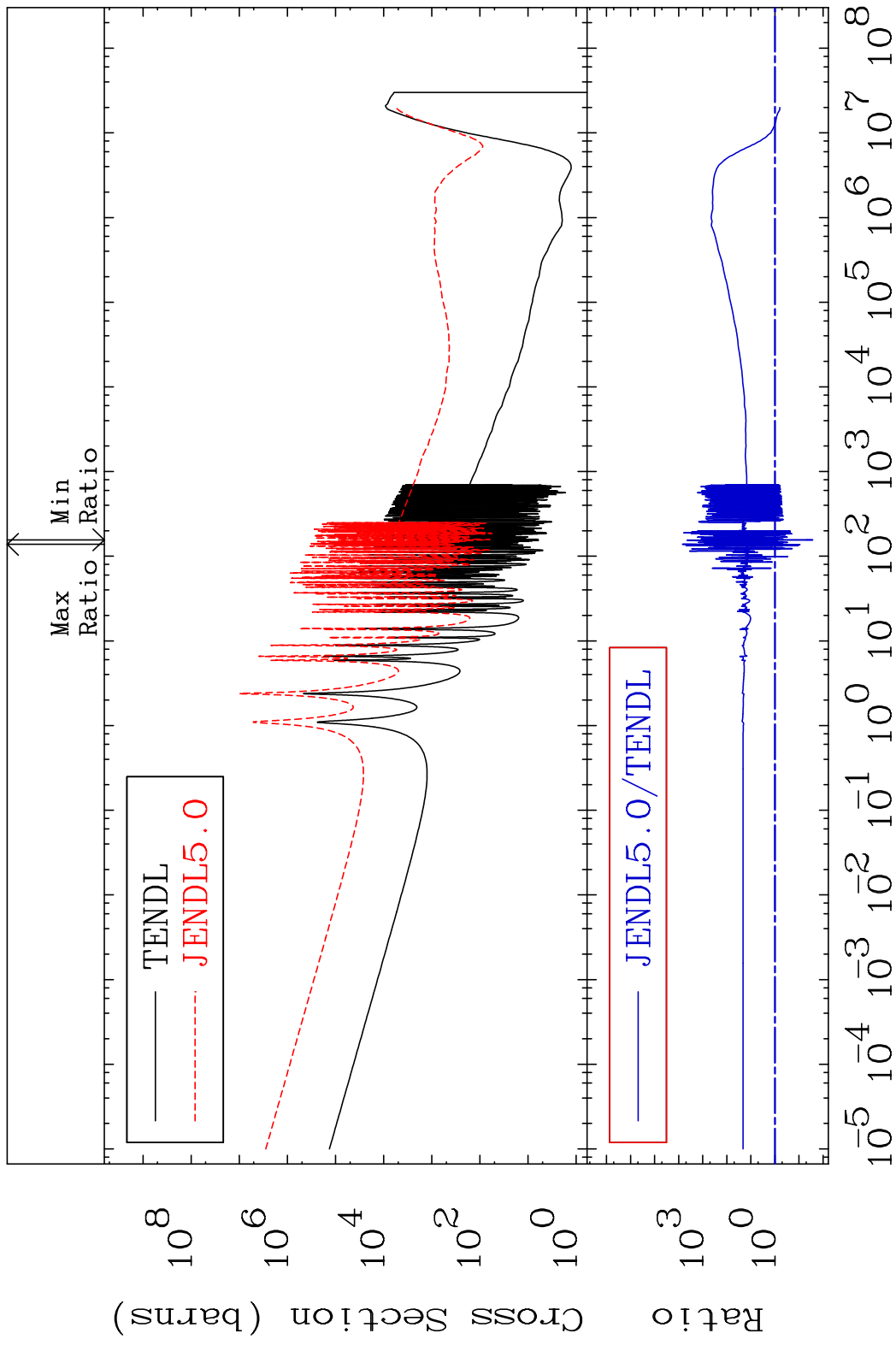
Incident Energy (eV)

72-Hf-177

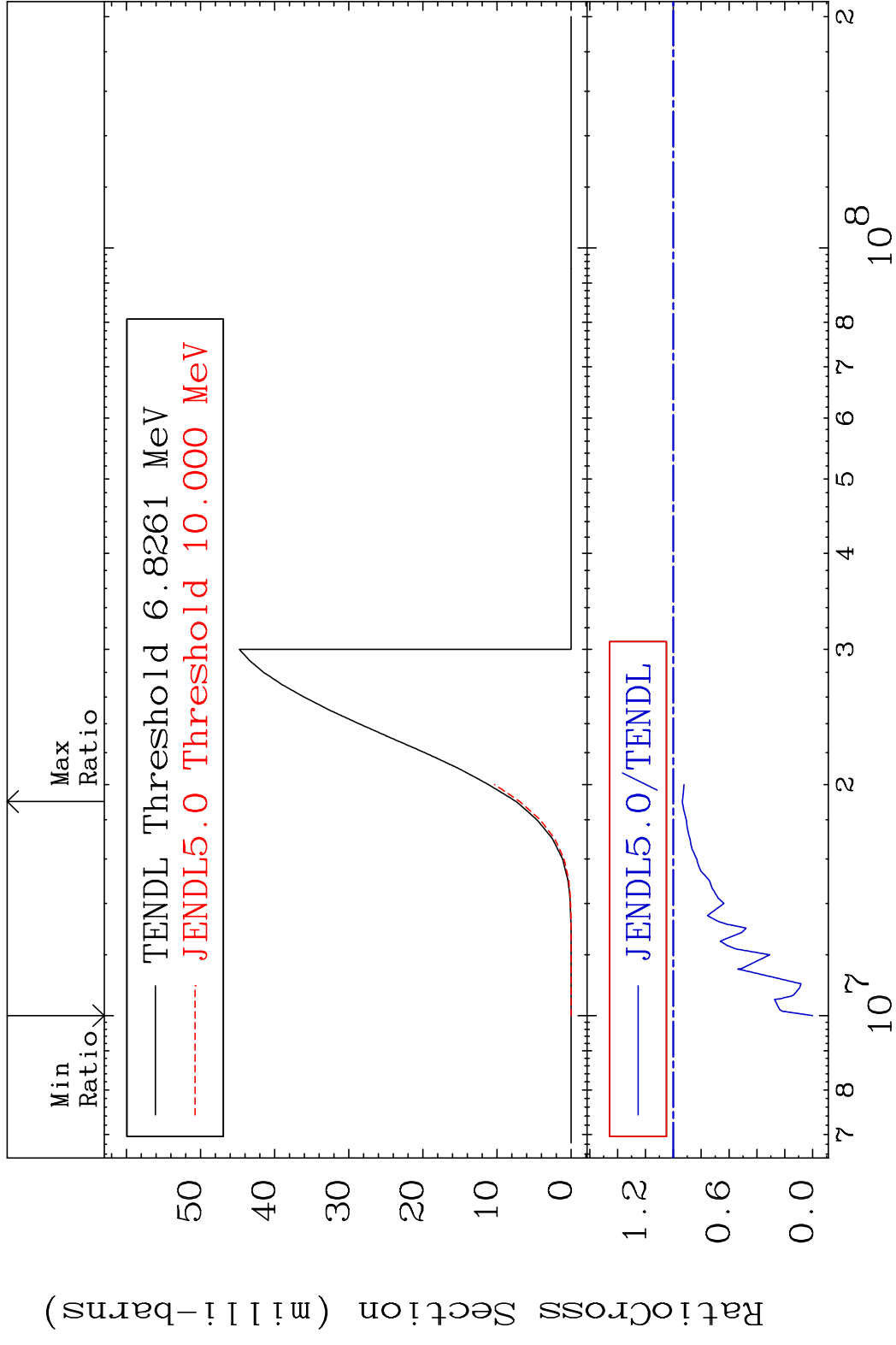
MAT 7234 Dpa inelastic (mt51-91) 72-Hf-177
 Cross Section -13.37 To 317.6 %

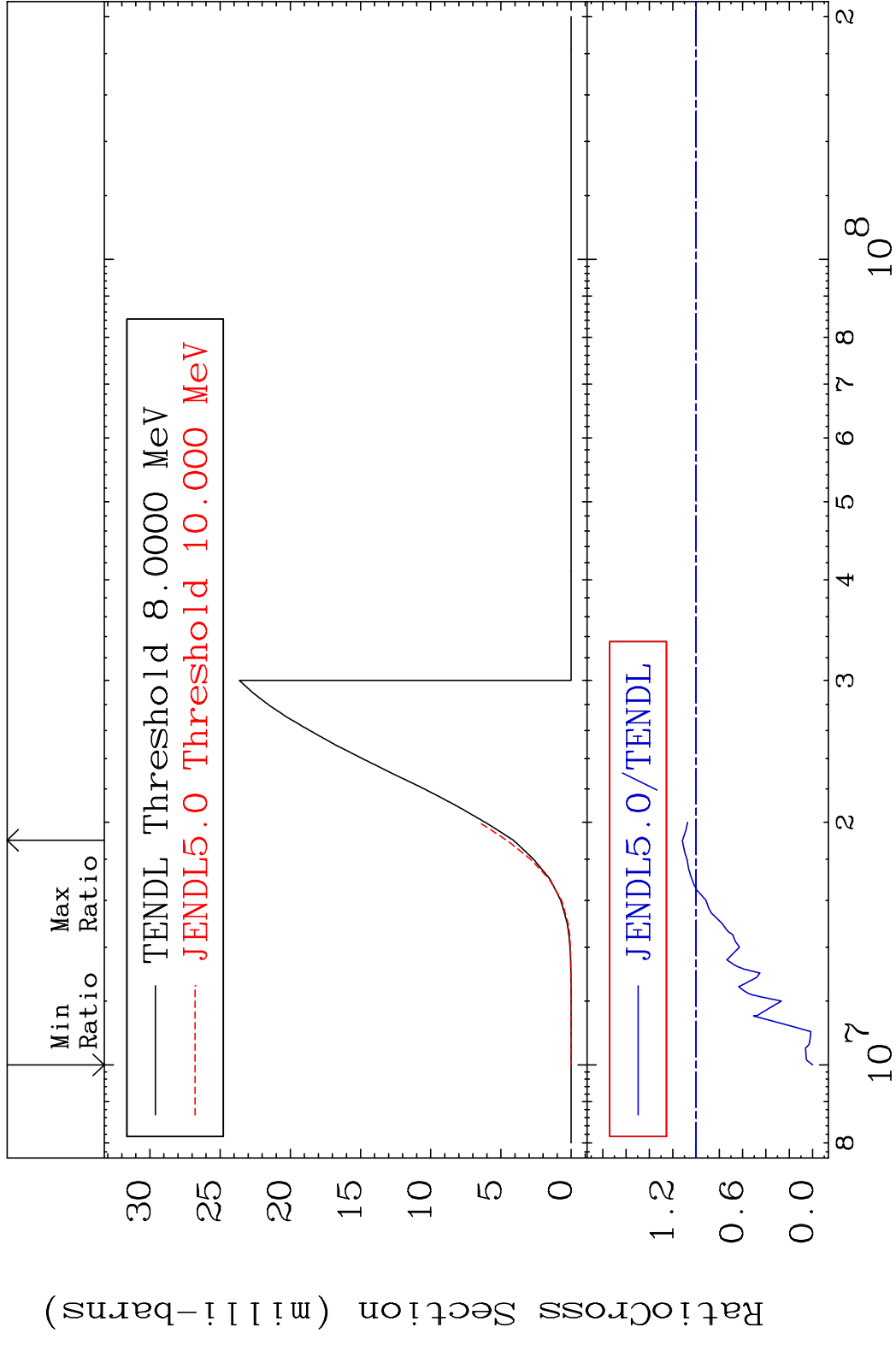


MAT 7234 Dpa disappearance (mt102 -120) 72-Hf-177
 Cross Section -97.28 To 9999. %

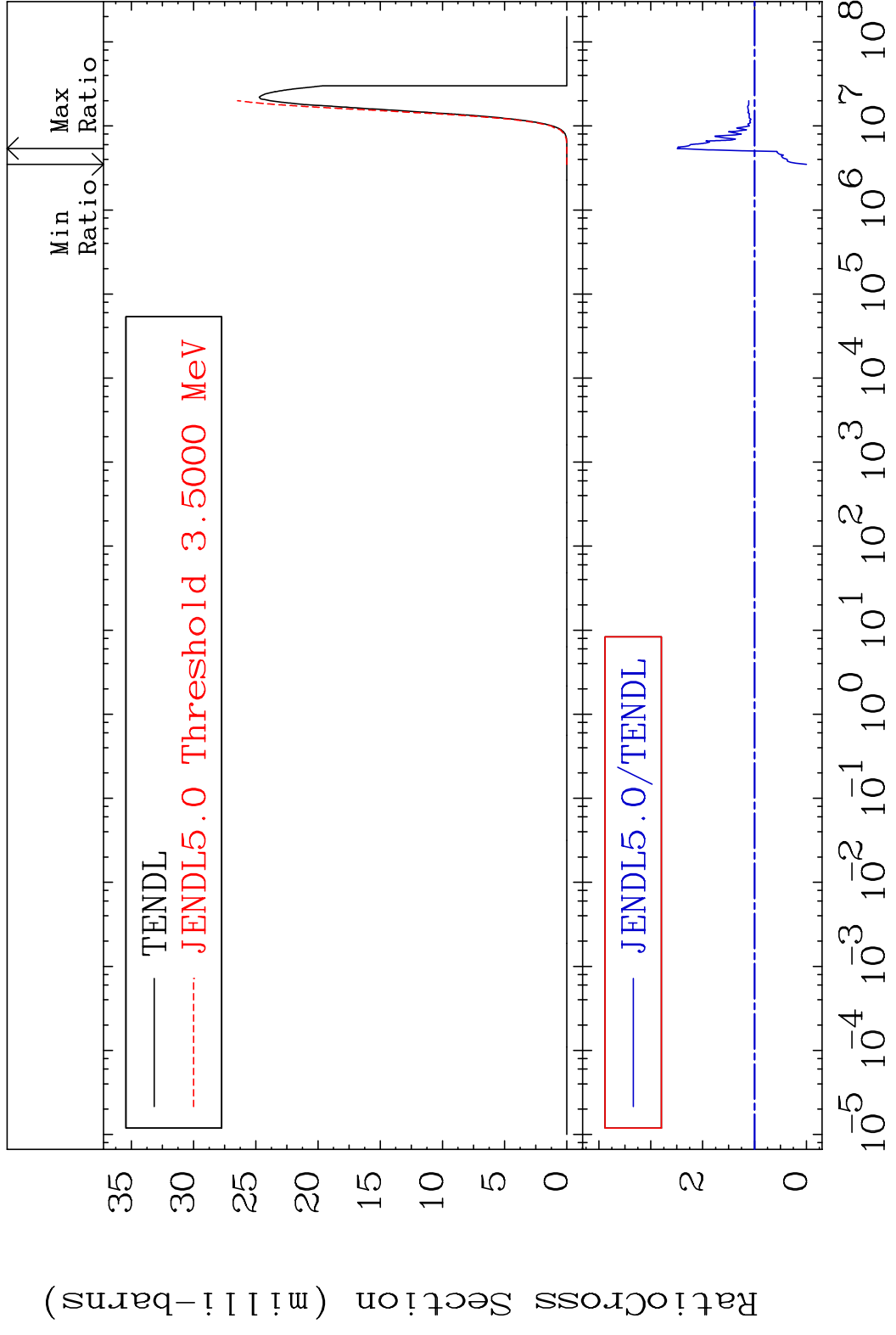


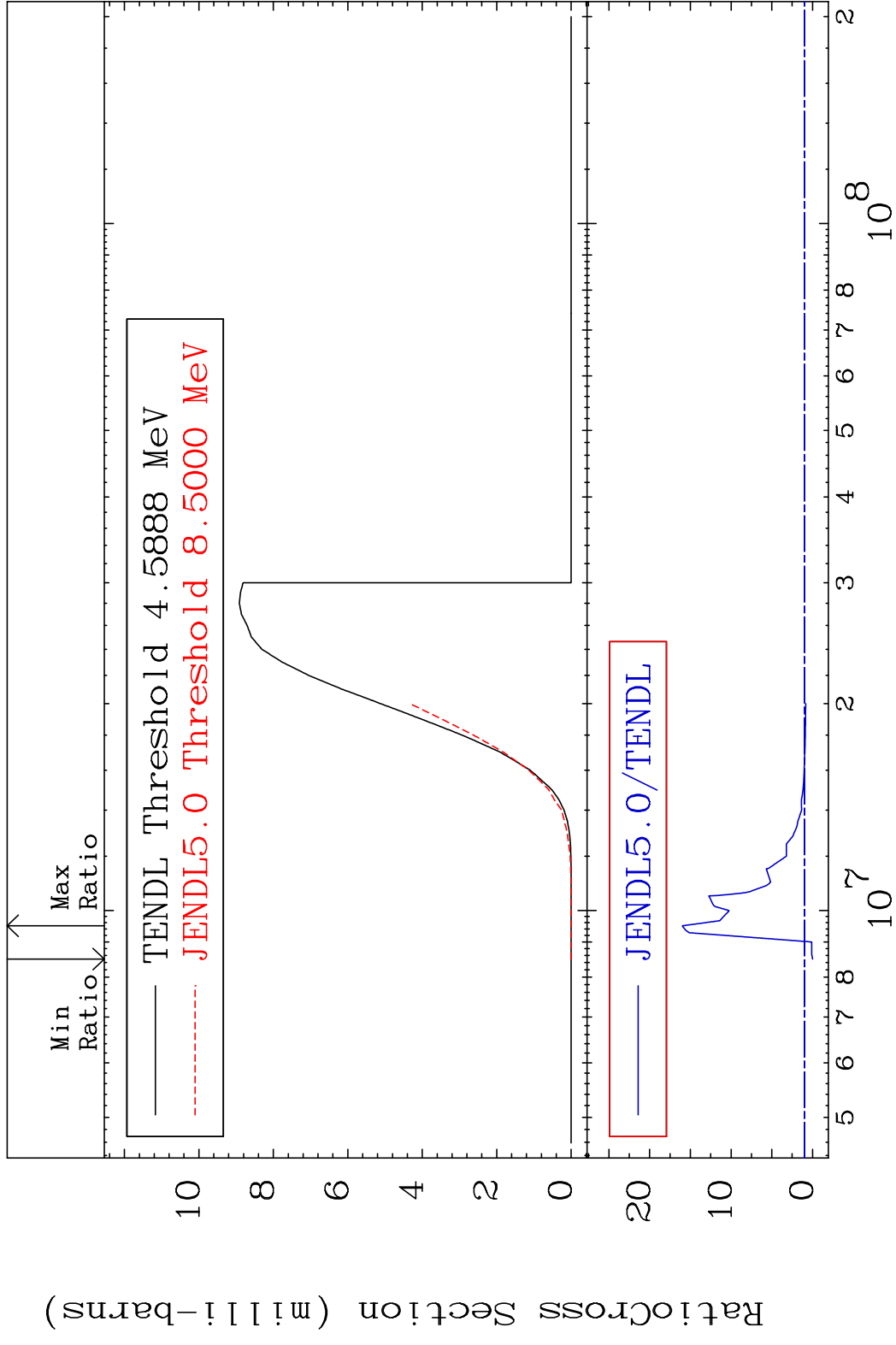
MAT 7234 (n, n') p:71-Lu-176g 72-Hf-177
 Radionuclide Production Cross Section Ratio -6.465%

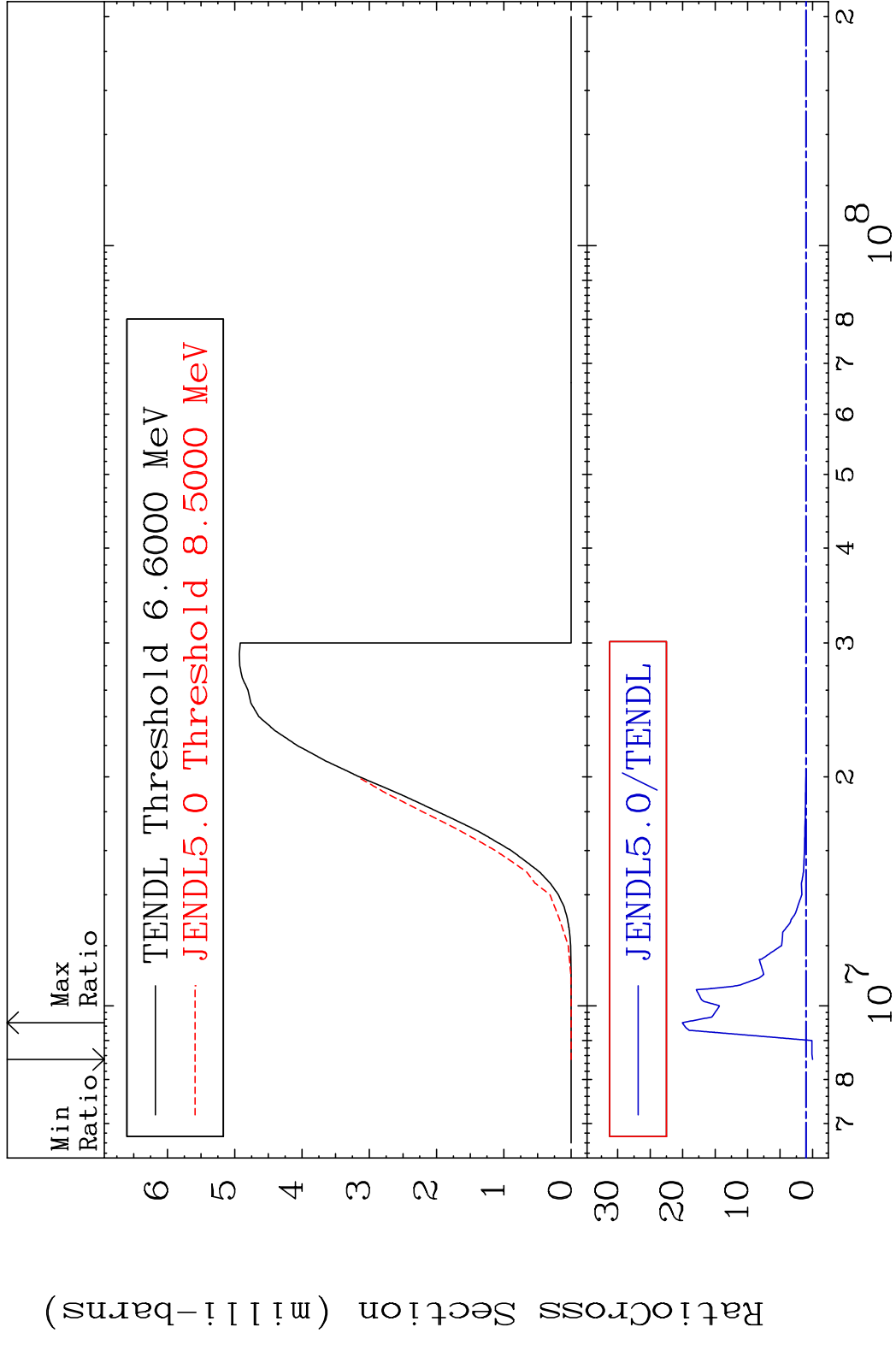




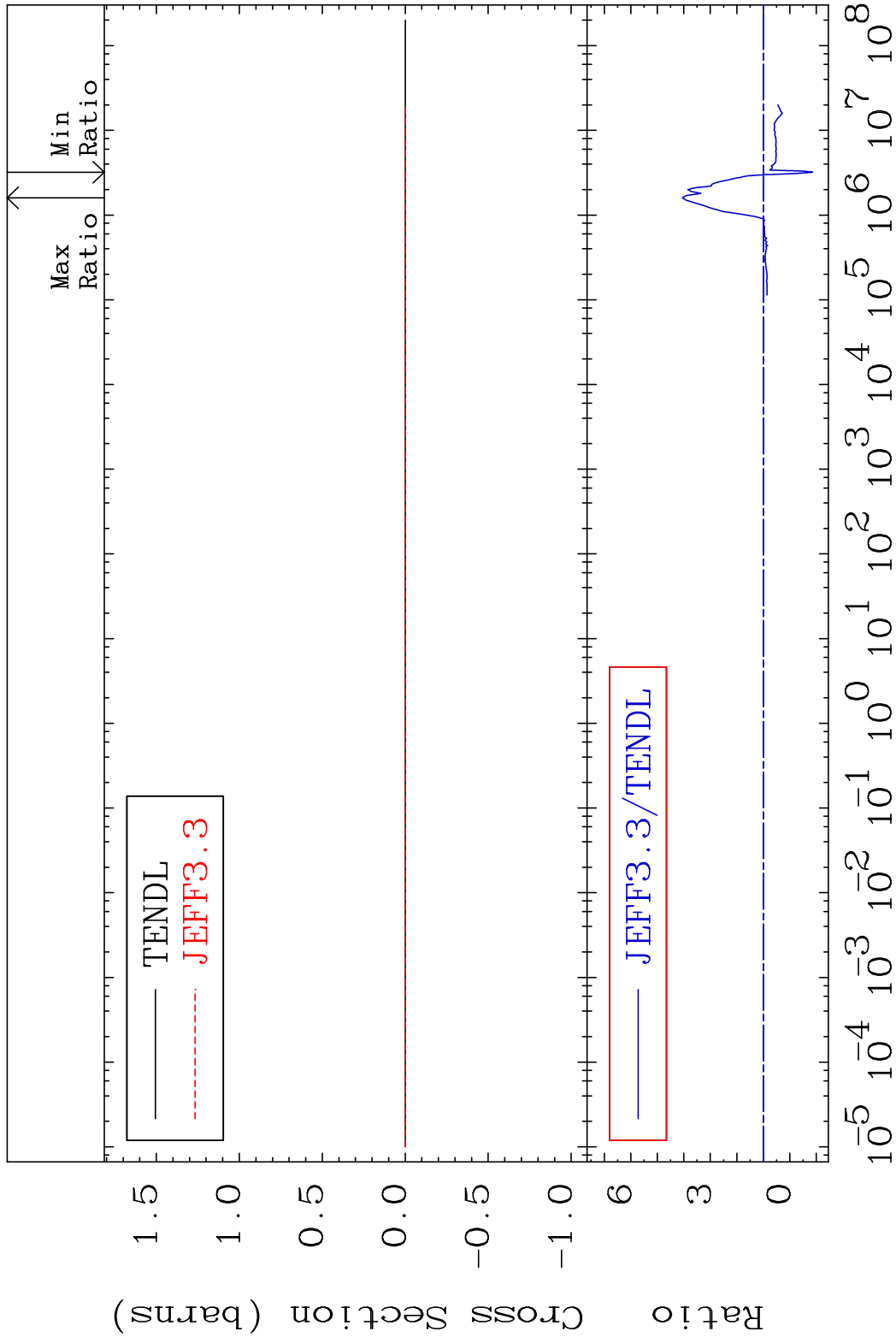
MAT 7234 (n,p):71-Lu-177g 72-Hf-177
 Radionuclide Production Cross Section 180.0 mb 149.2 %



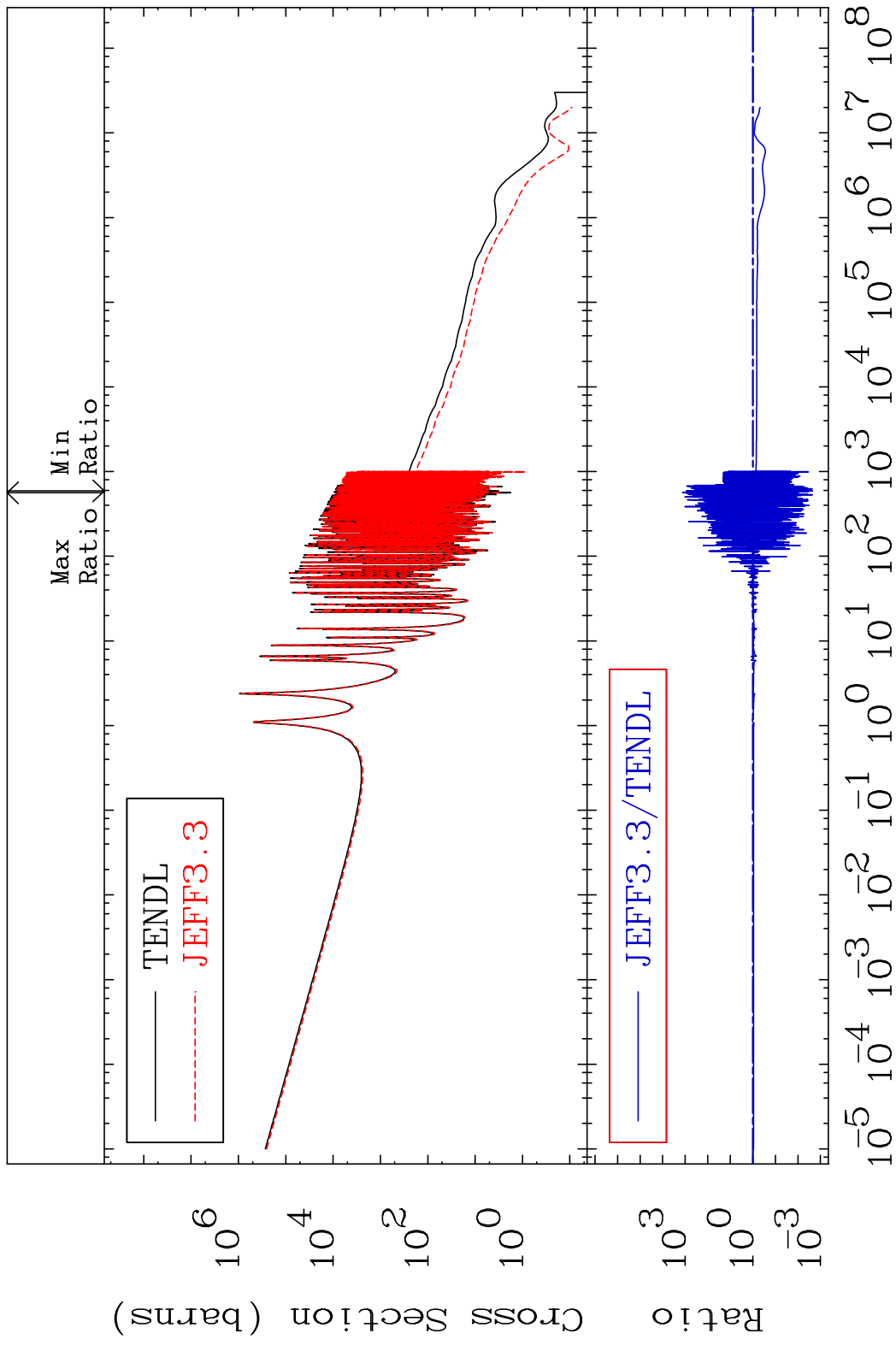




MAT 7234 Kerma fission (mt18 or mt19-20-21-38)72-Hf-177
 Cross Section -185.8 To 305.5 %



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

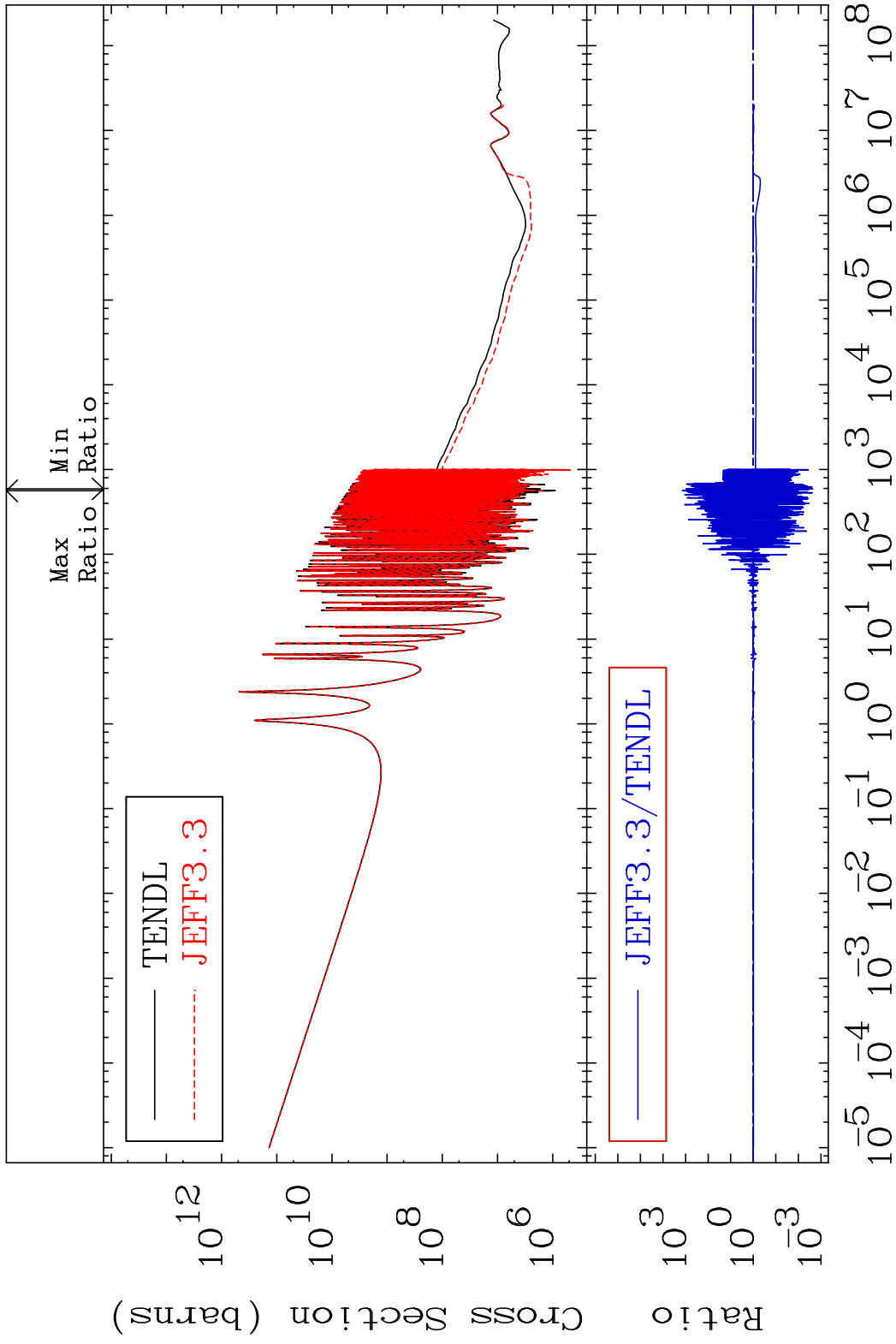


MAT 7234

Total photon (eV-barns)

72-Hf-177

Cross Section -99.76 To 9999. %

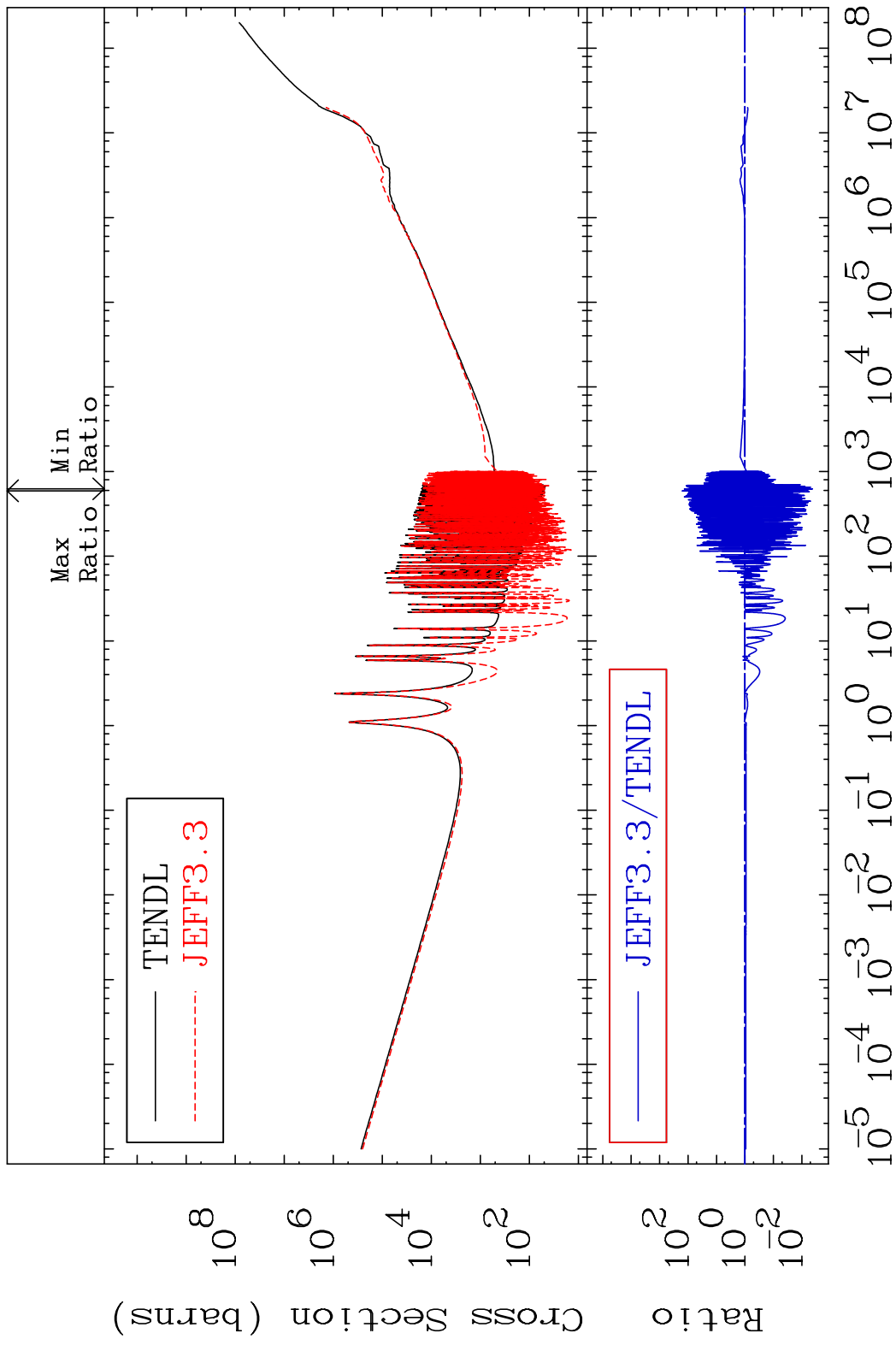


55

Incident Energy (eV)

72-Hf-177

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

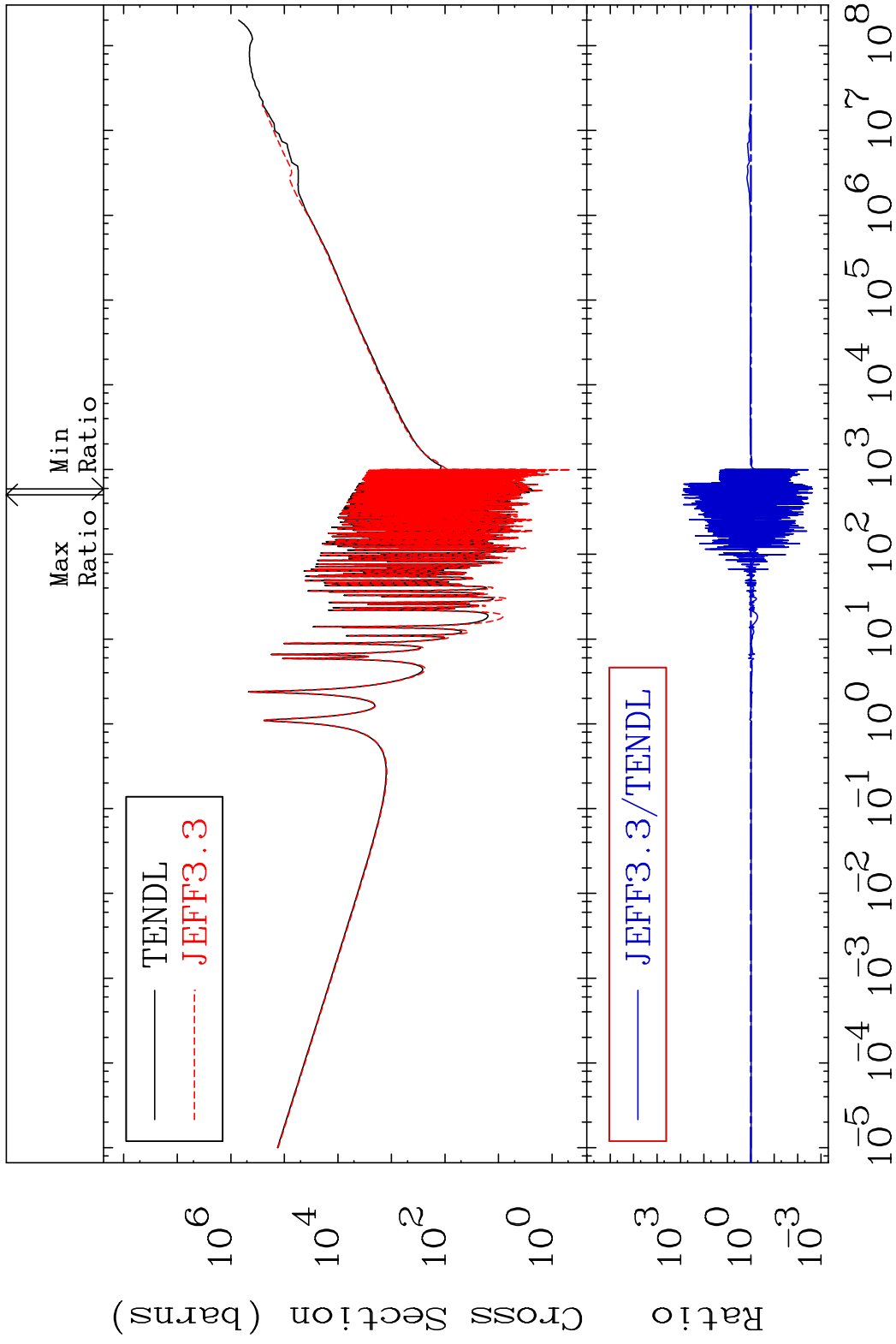


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -99.777 To 9999. %



57

Incident Energy (eV)

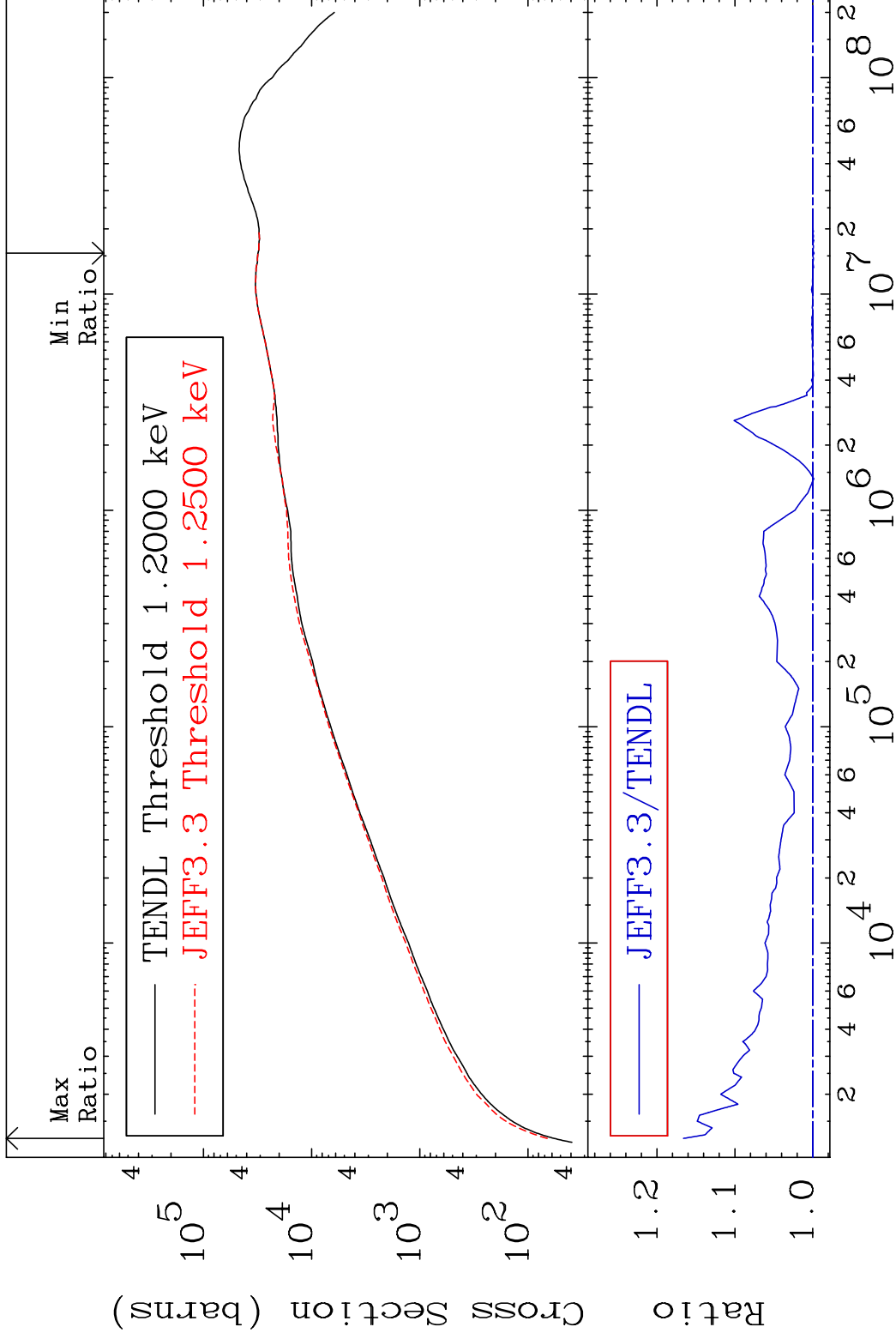
72-Hf-177

MAT 7234

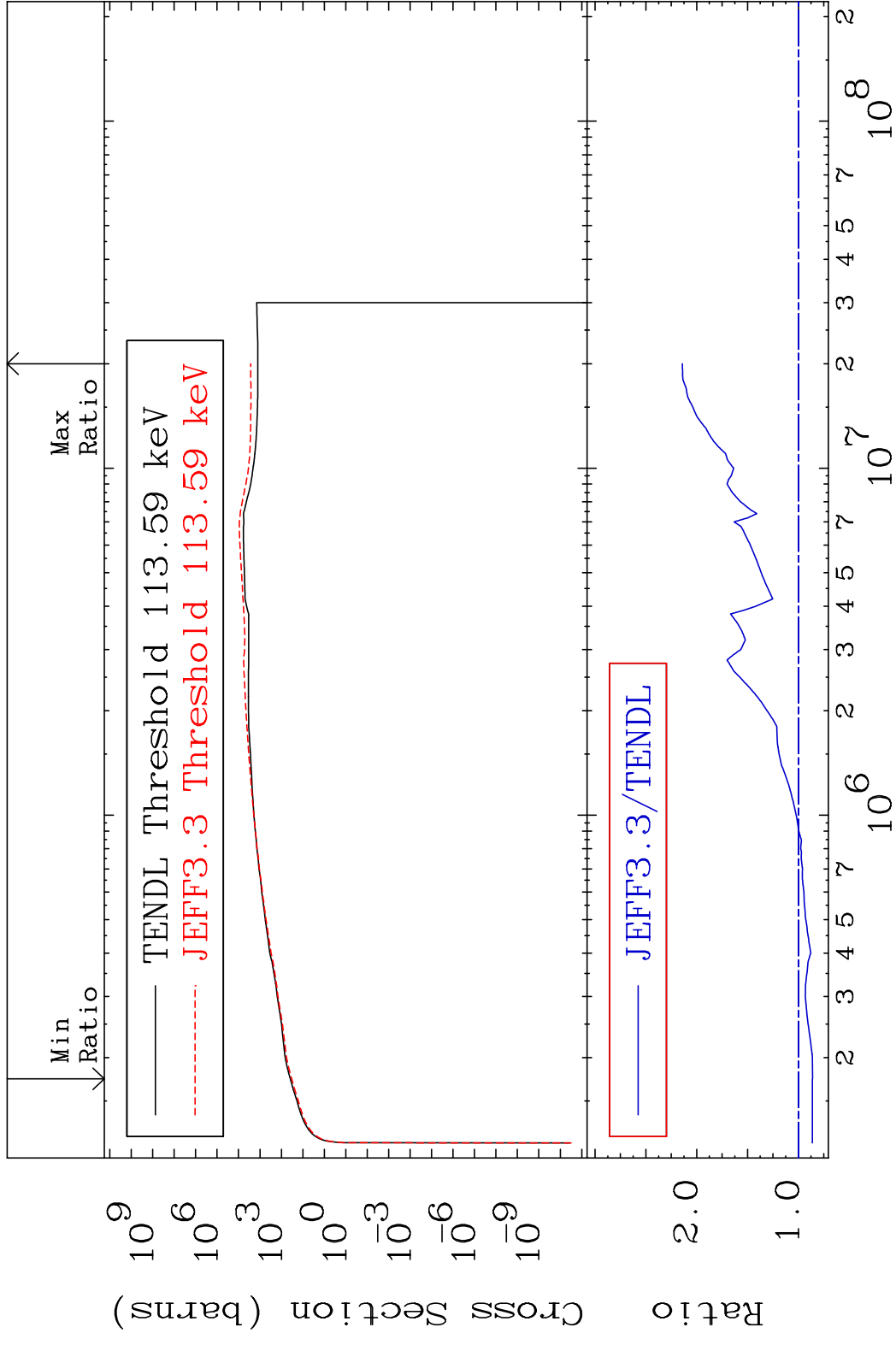
Dpa elastic (mt2)

72-Hf-177

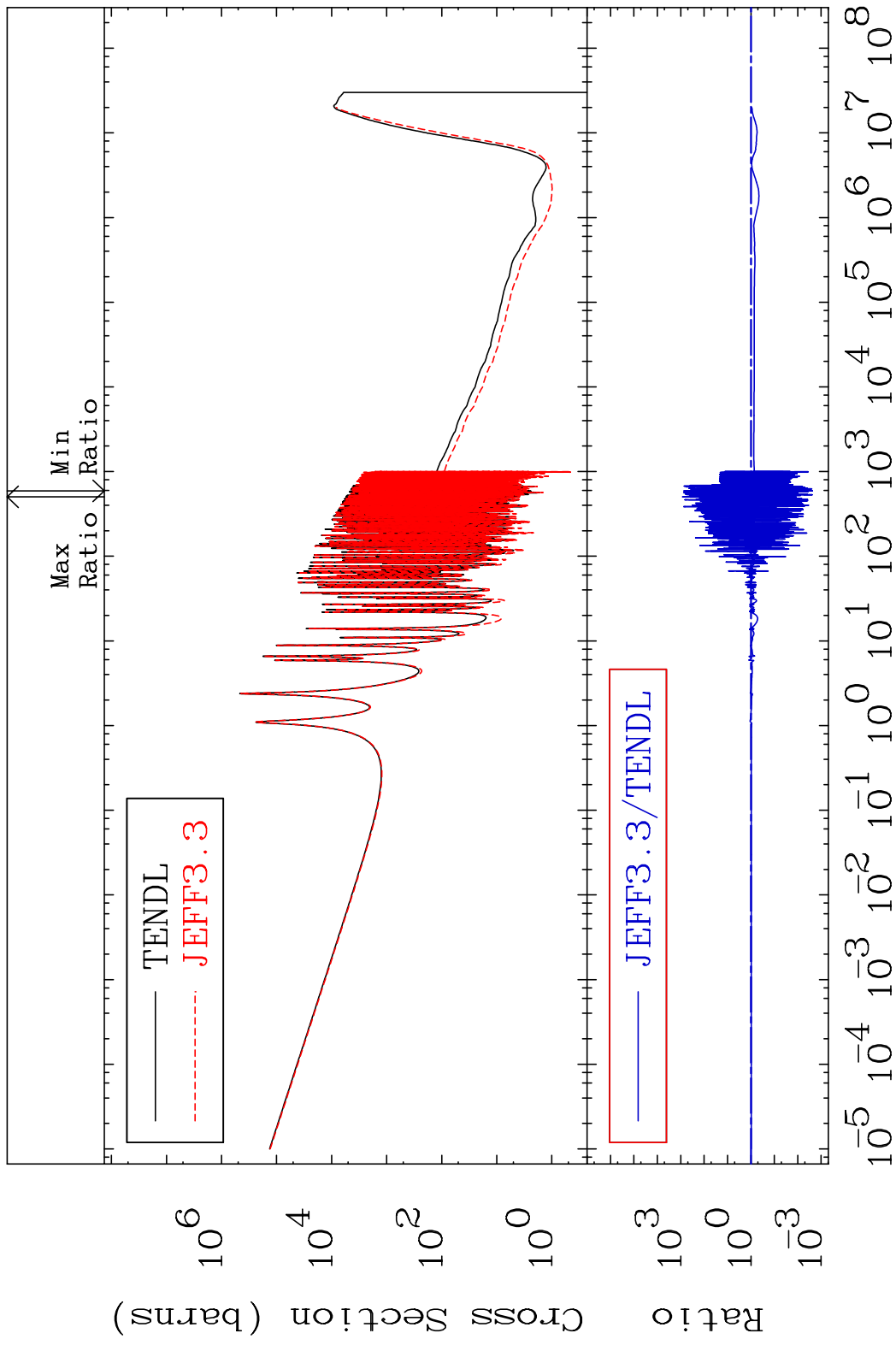
Cross Section -0.168 To 16.60 %



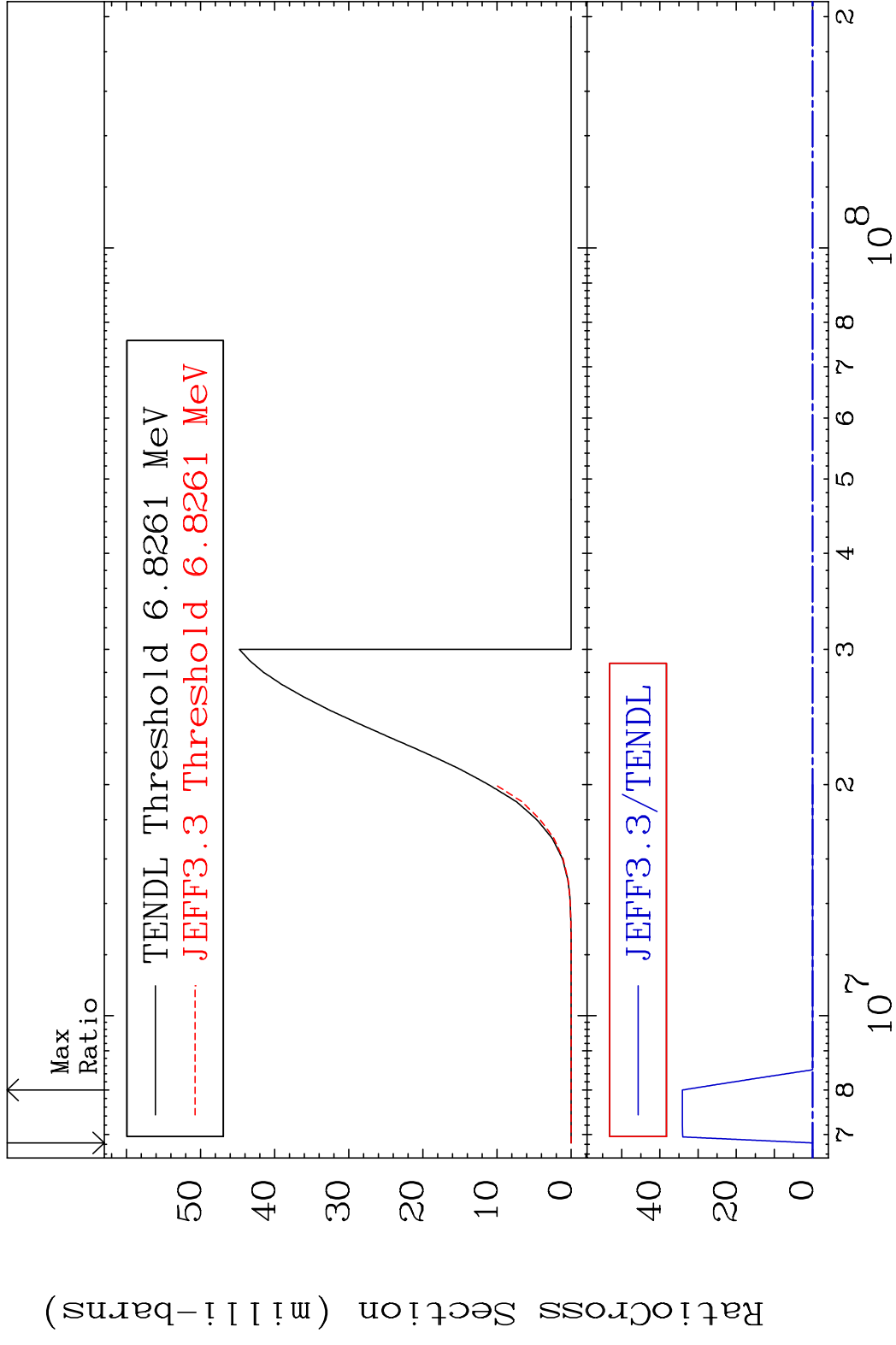
MAT 7234 Dpa inelastic (mt51-91) 72-Hf-177
 Cross Section -13.94 To 114.1 %

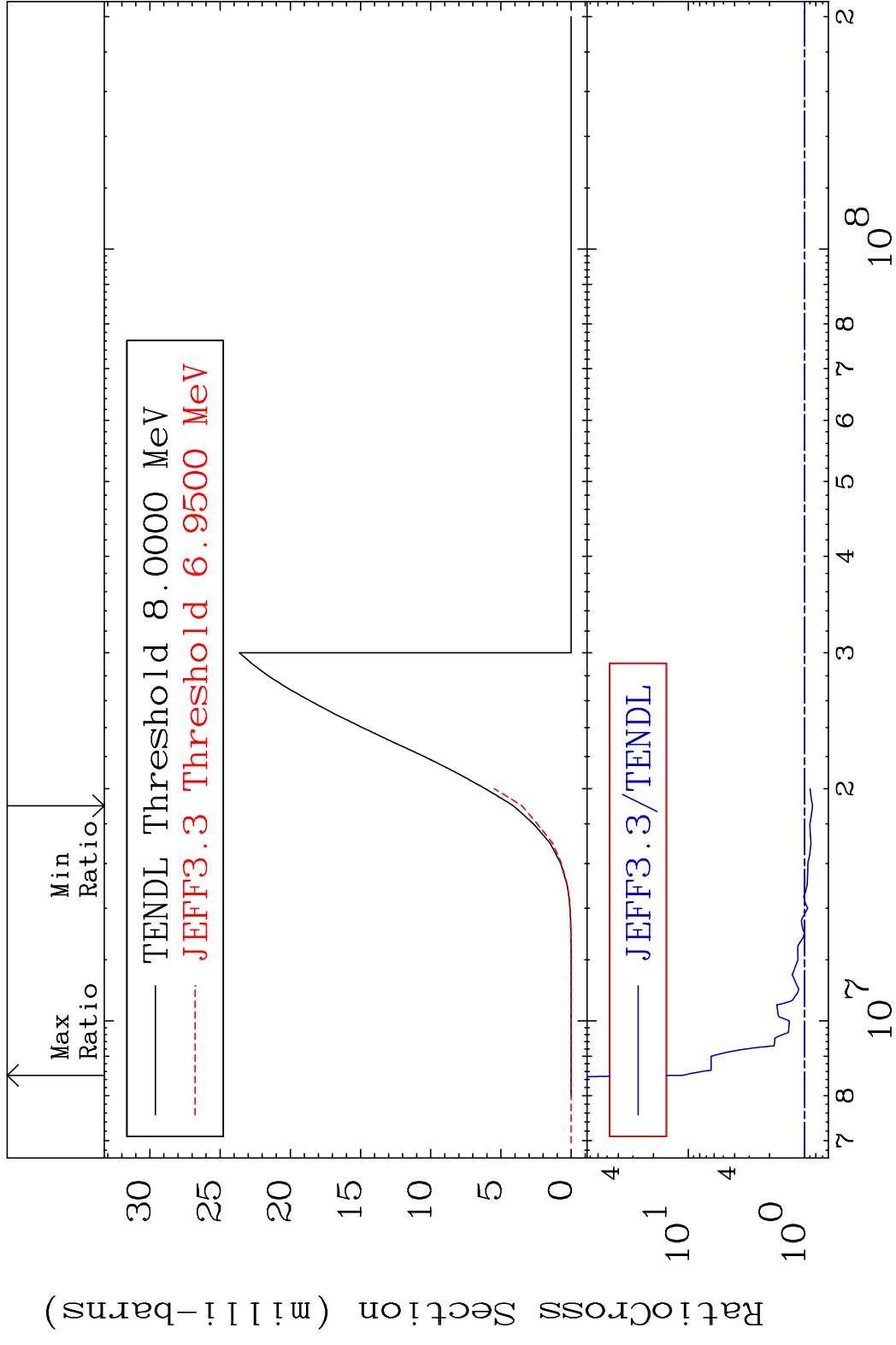


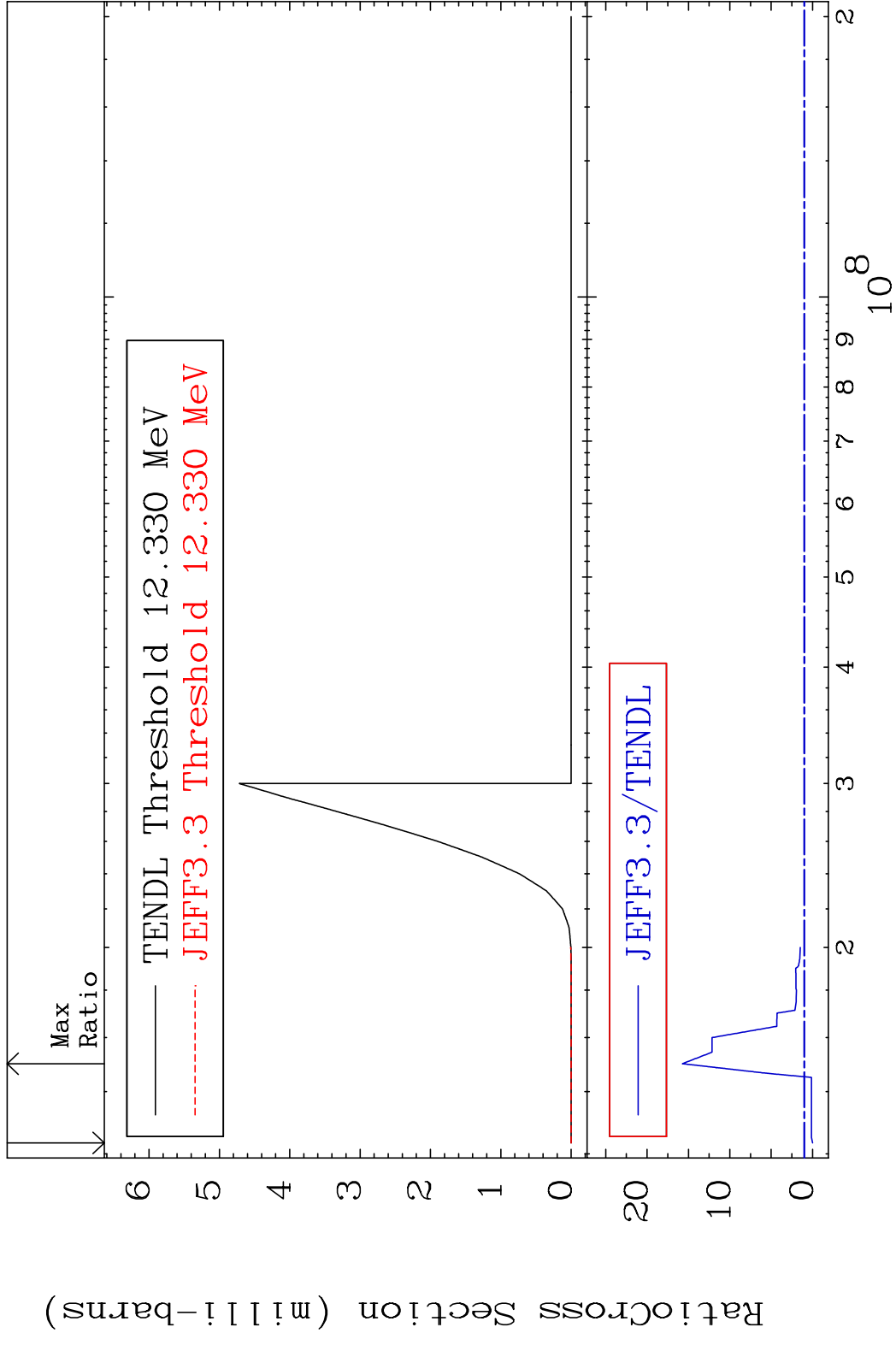
MAT 7234 Dpa disappearance (mt102 -120) 72-Hf-177
 Cross Section -99.77 To 9999. %

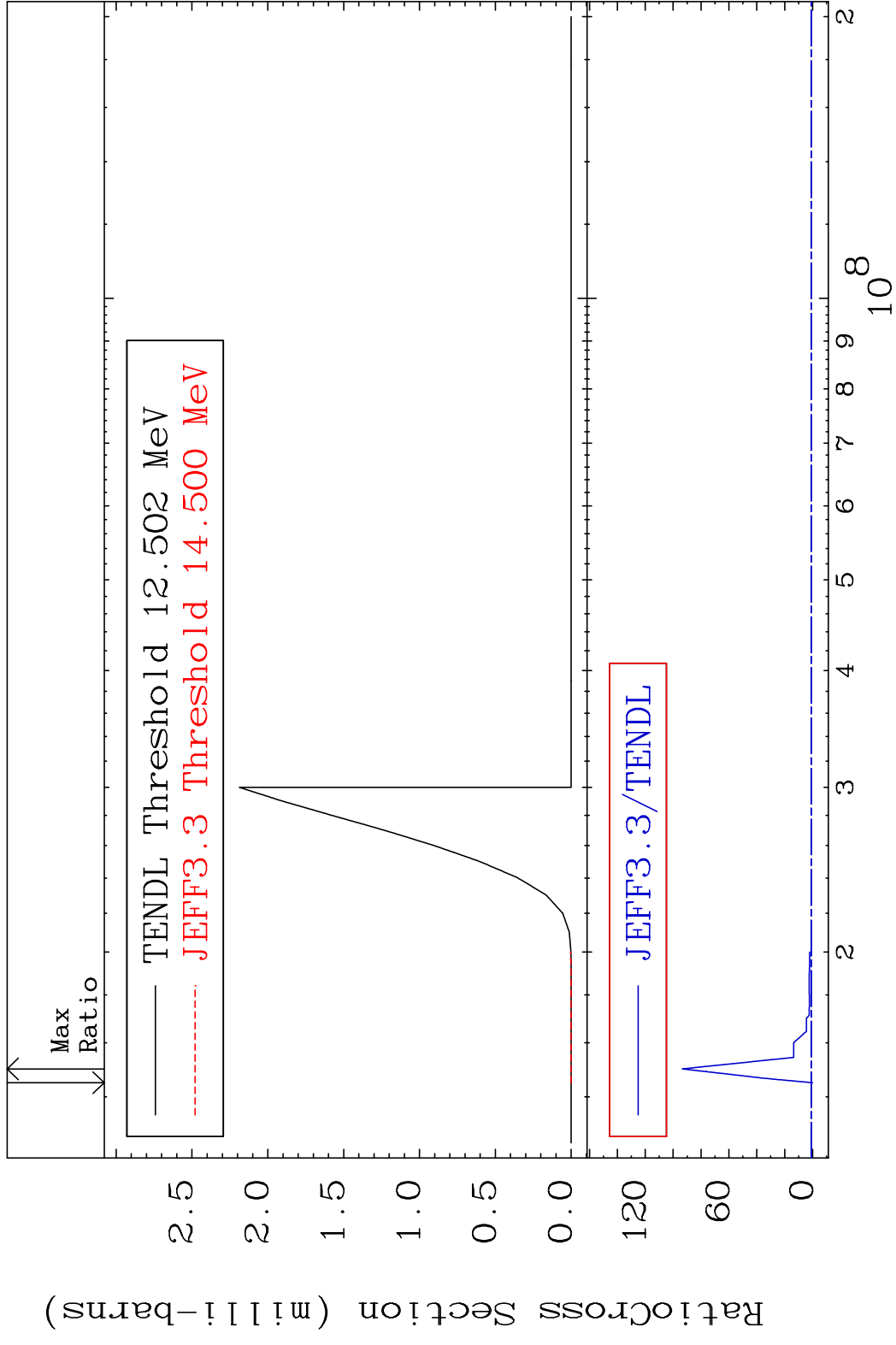


60 Incident Energy (eV) 72-Hf-177

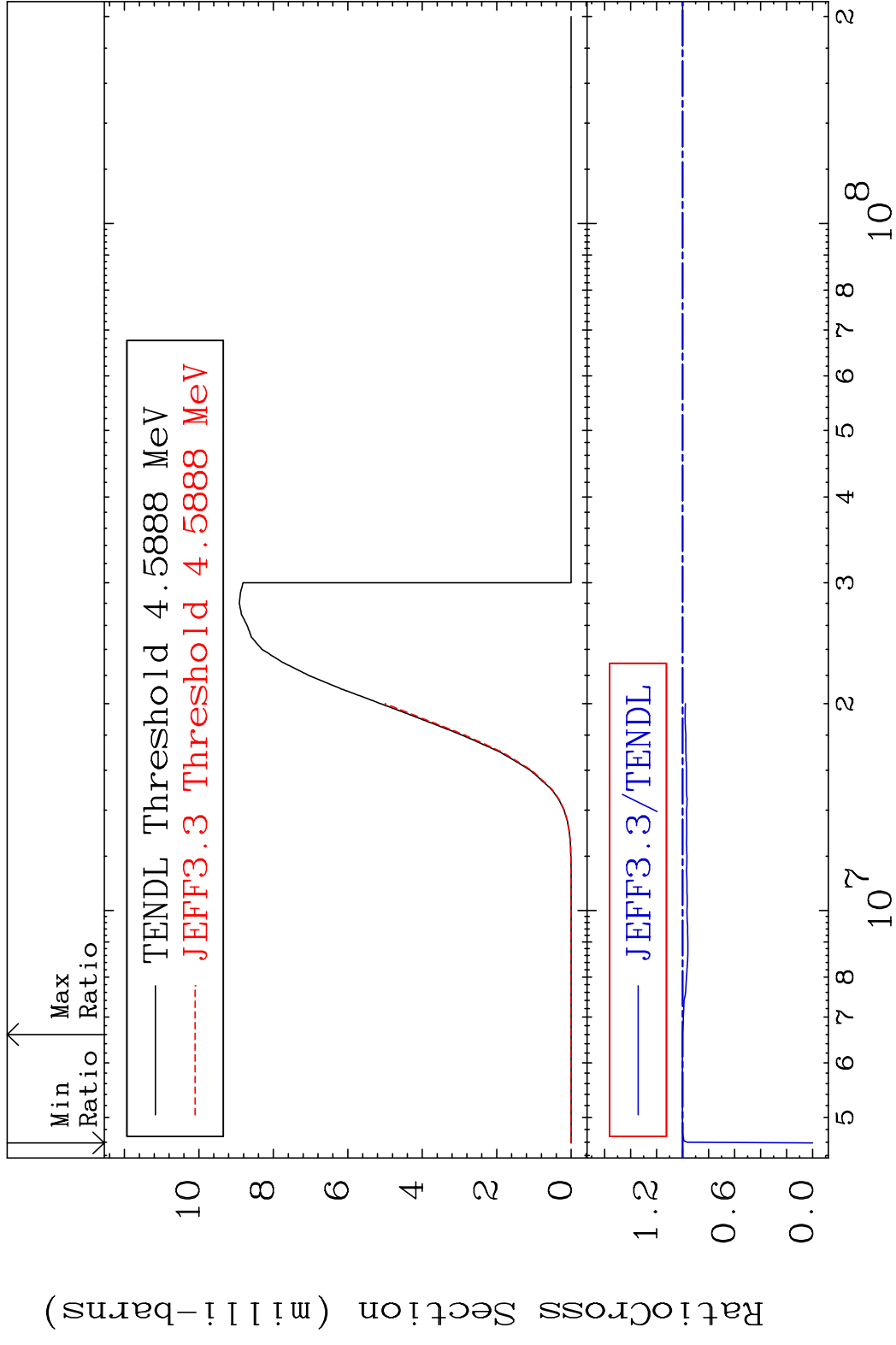








MAT 7234 (n, d):71-Lu-176g 72-Hf-177
 Radionuclide Production Cross Section 180.0 mb 0.160 %



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

