

Program Complot
(Version 2021-1)

by

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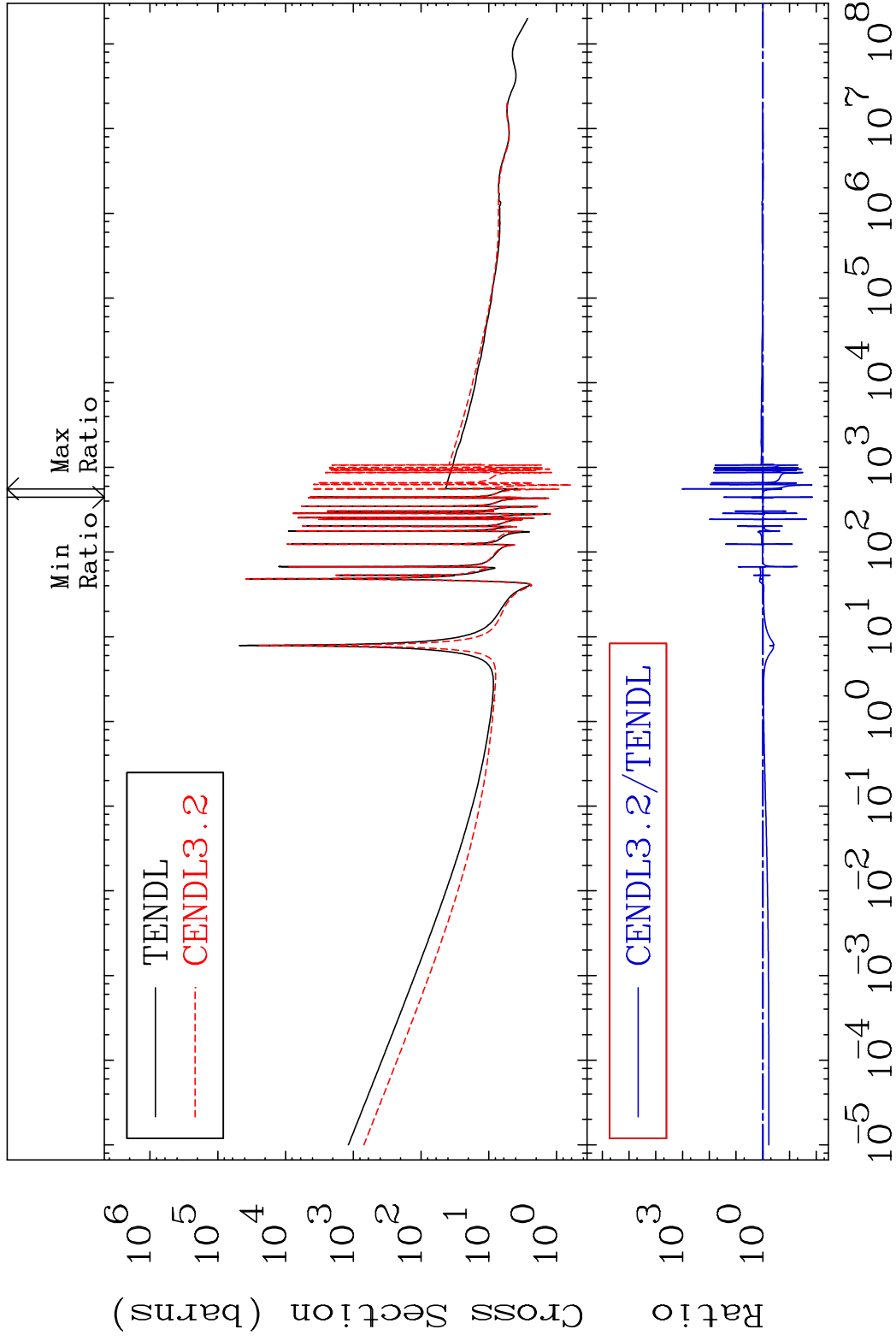
Press Mouse Button to Start

MAT 7231

Total

72-Hf-176

Cross Section -98.62 To 9999. %



1

Incident Energy (eV)

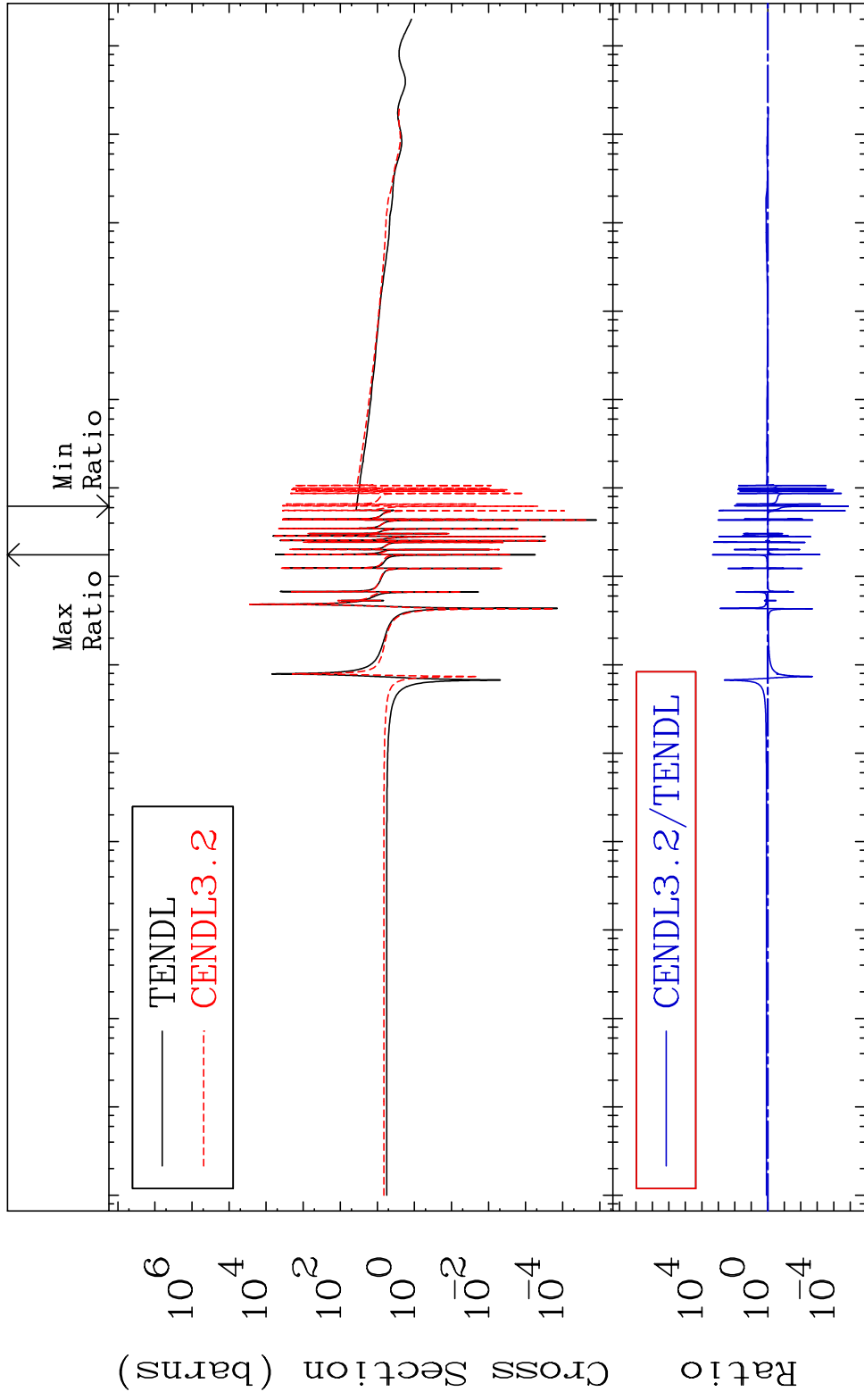
72-Hf-176

MAT 7231

Elastic

72-Hf-176

Cross Section -100.0 To 9999. %

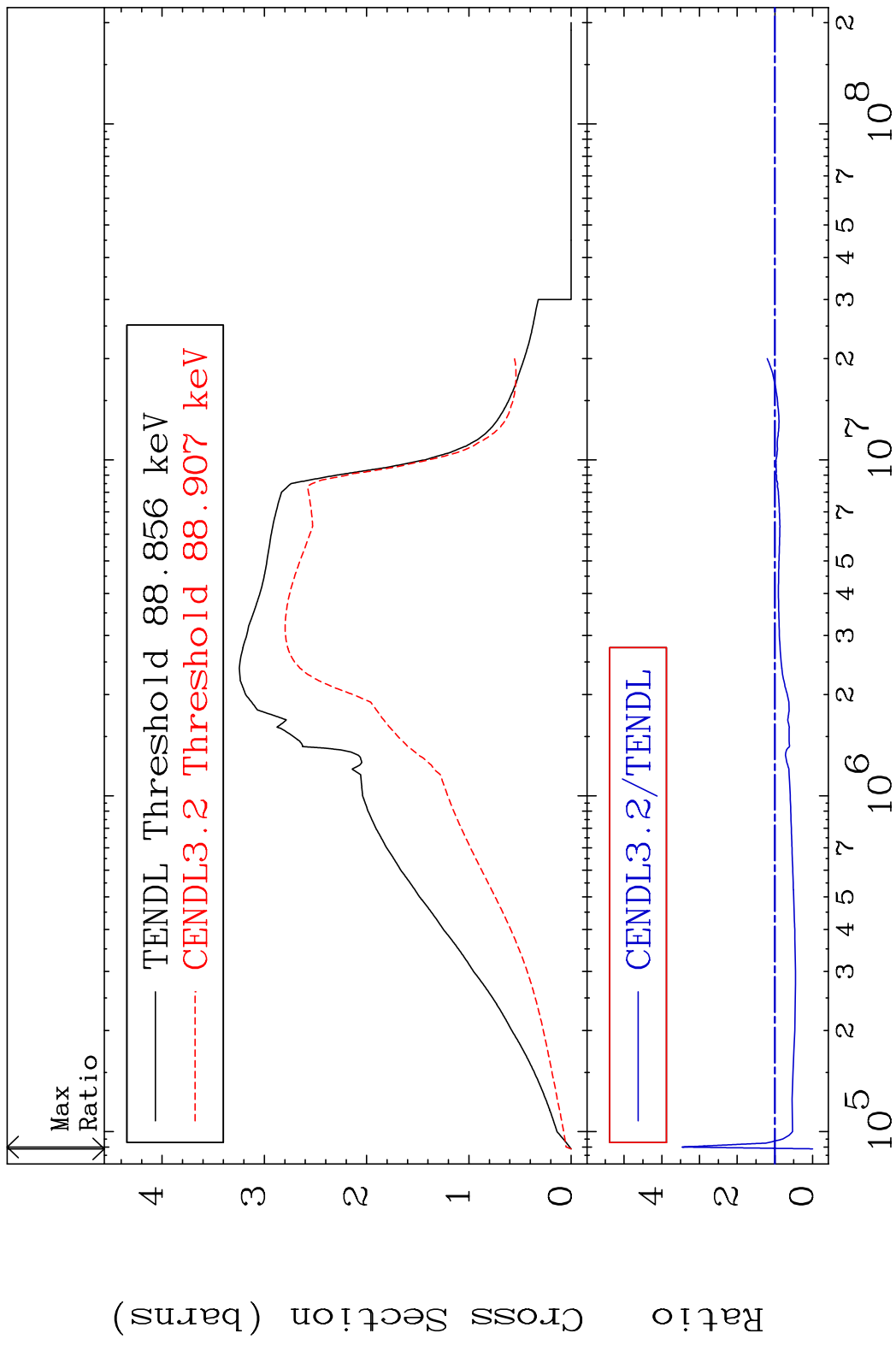


2

Incident Energy (eV)

72-Hf-176

MAT 7231 Inelastic 72-Hf-176
 Cross Section -100.0 To 245.5 %



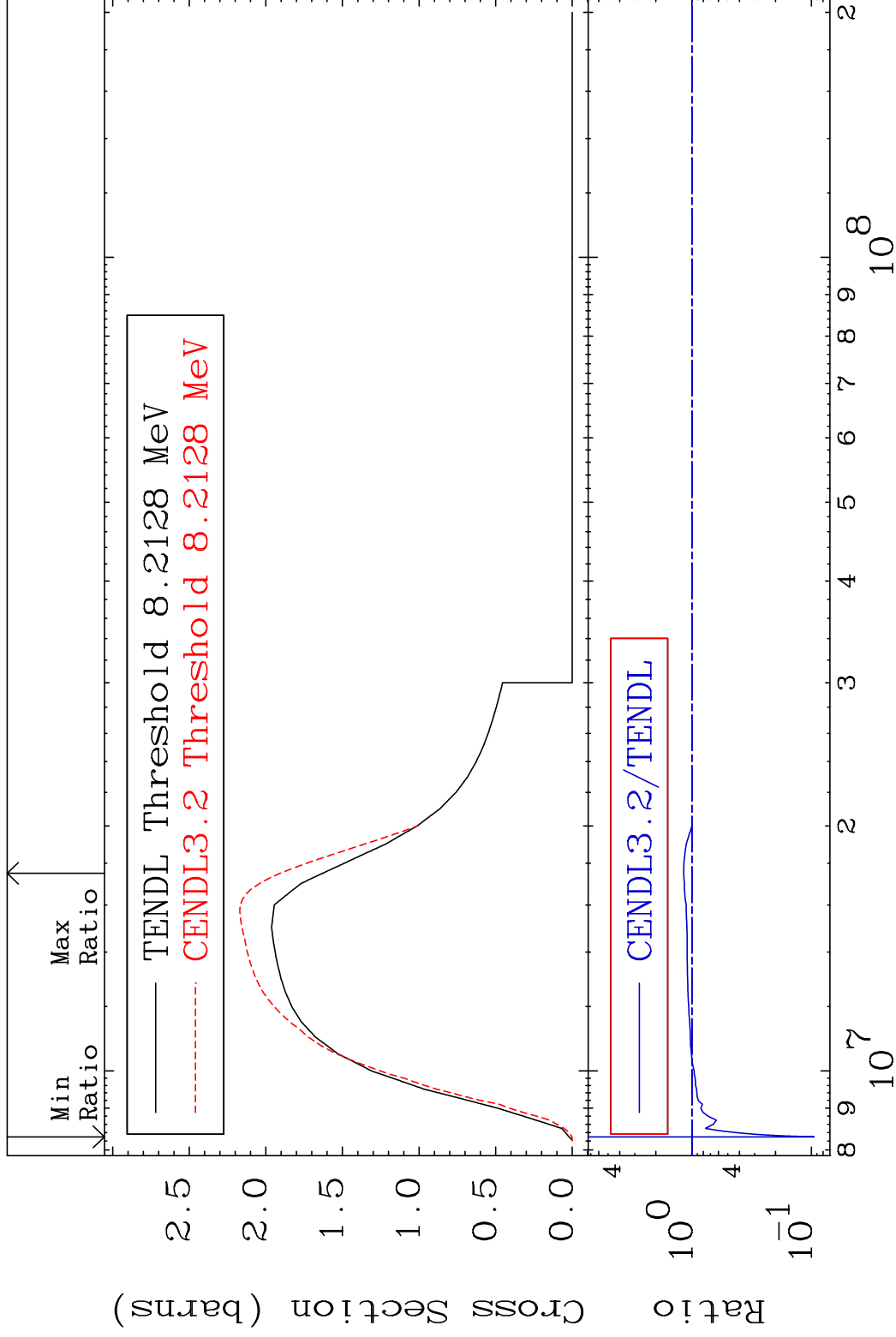
3 Incident Energy (eV) 72-Hf-176

MAT 7231

(n,2n)

72-Hf-176

Cross Section -90.48 To 17.04 %



4

Incident Energy (eV)

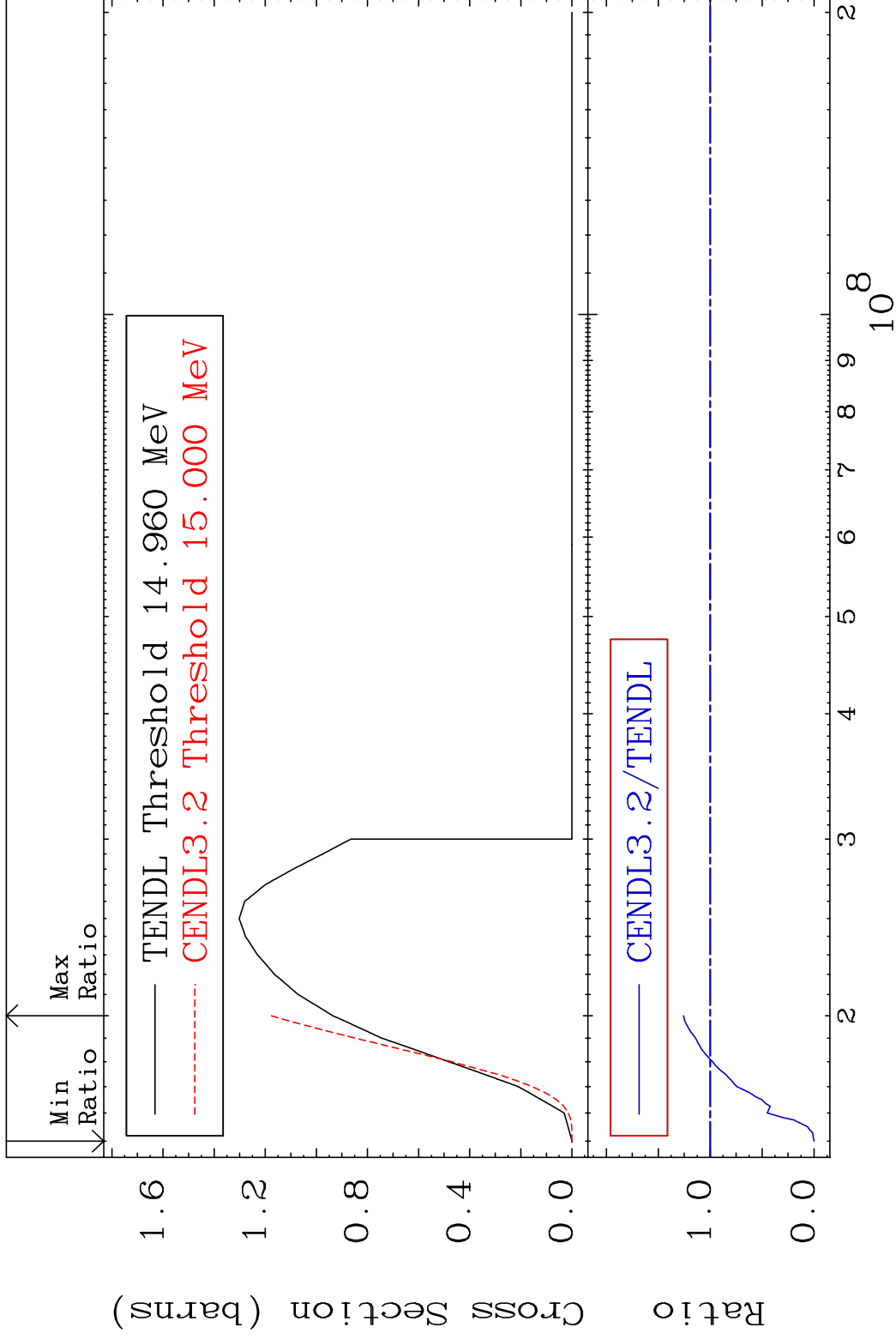
72-Hf-176

MAT 7231

(n,3n)

72-Hf-176

Cross Section -100.0 To 25.72 %



5

Incident Energy (eV)

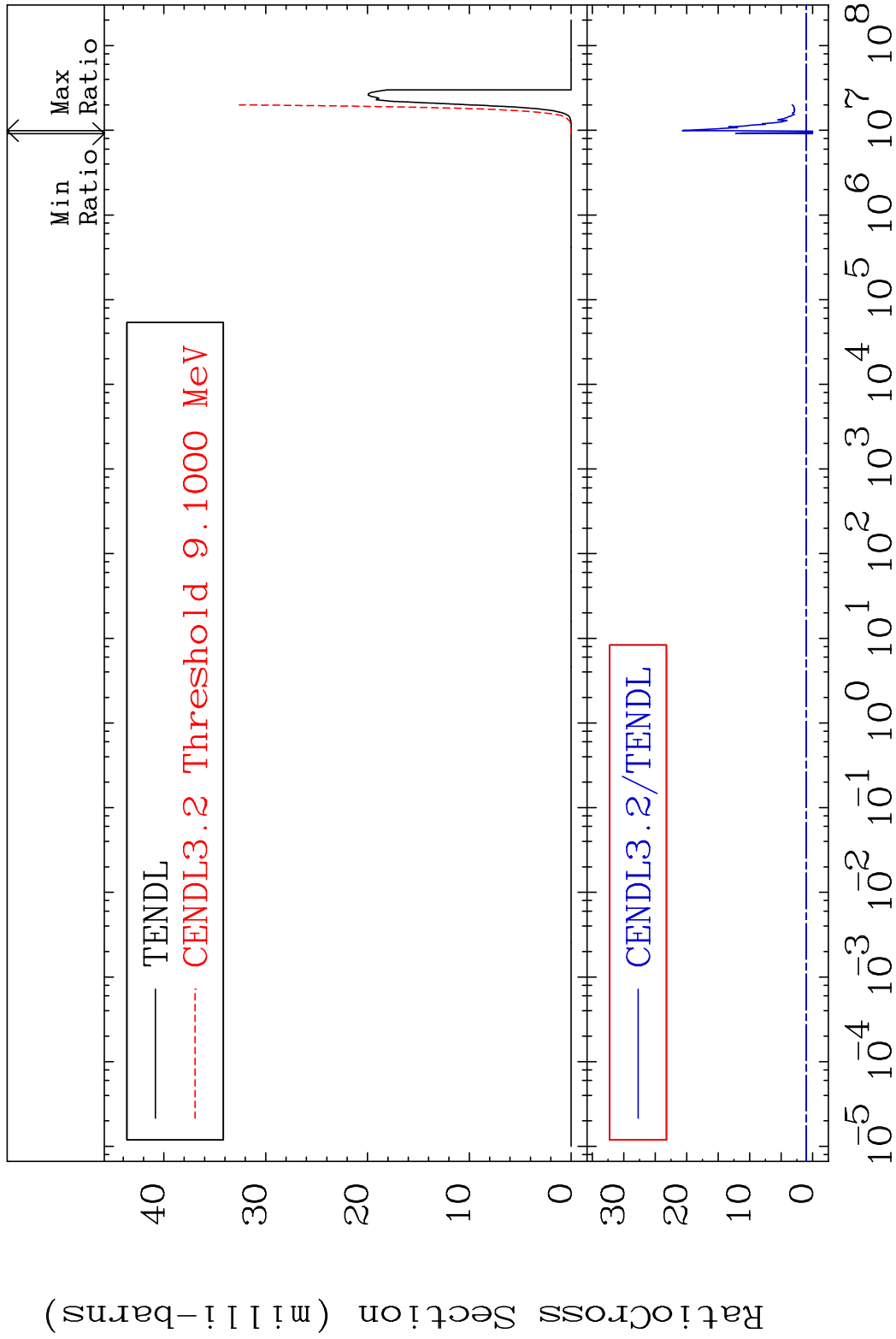
72-Hf-176

MAT 7231

(n, n') α

72-Hf-176

Cross Section -100.0 To 1970. %



6

Incident Energy (eV)

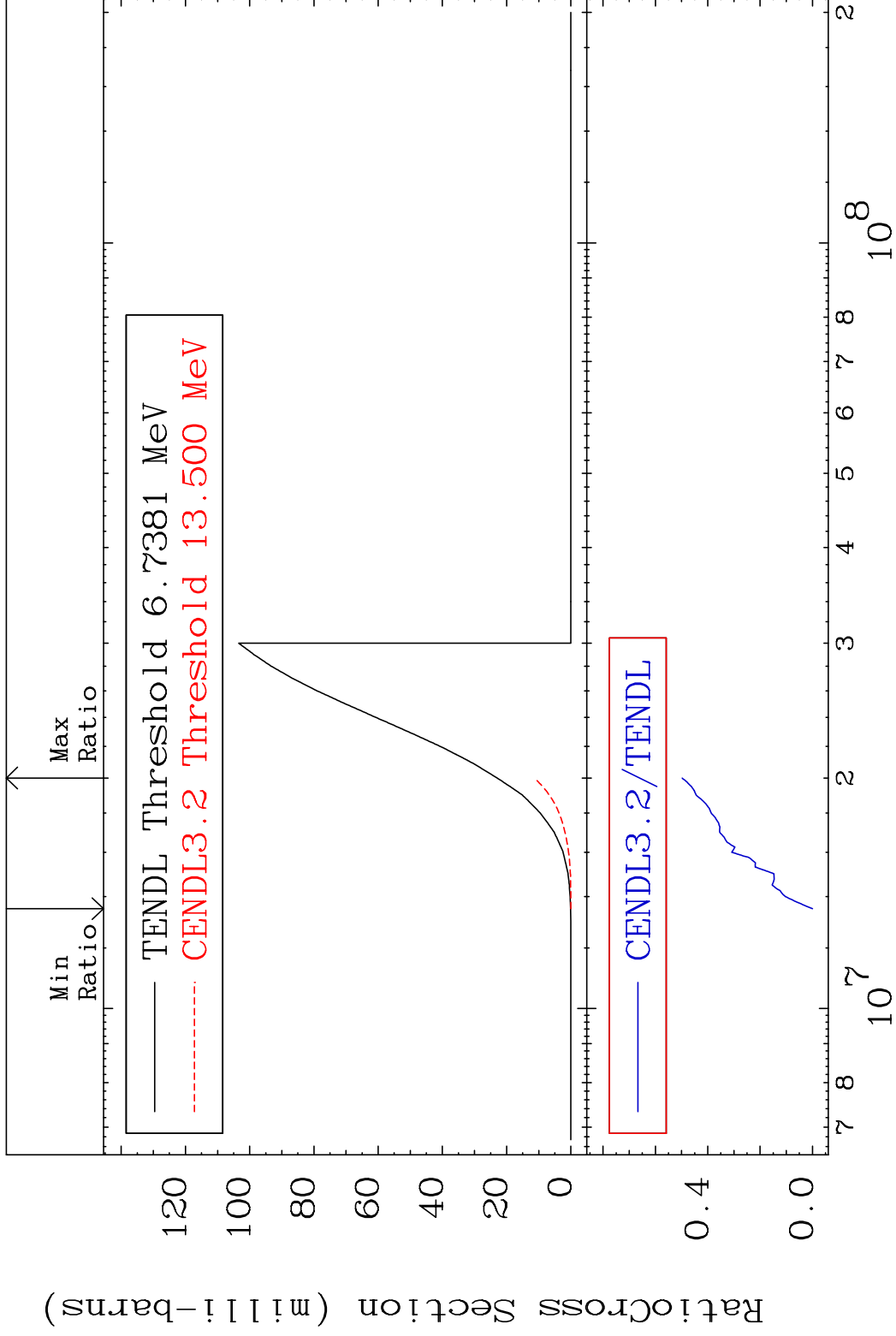
72-Hf-176

MAT 7231

(n, n') p

72-Hf-176

Cross Section -100.0 To -50.21%

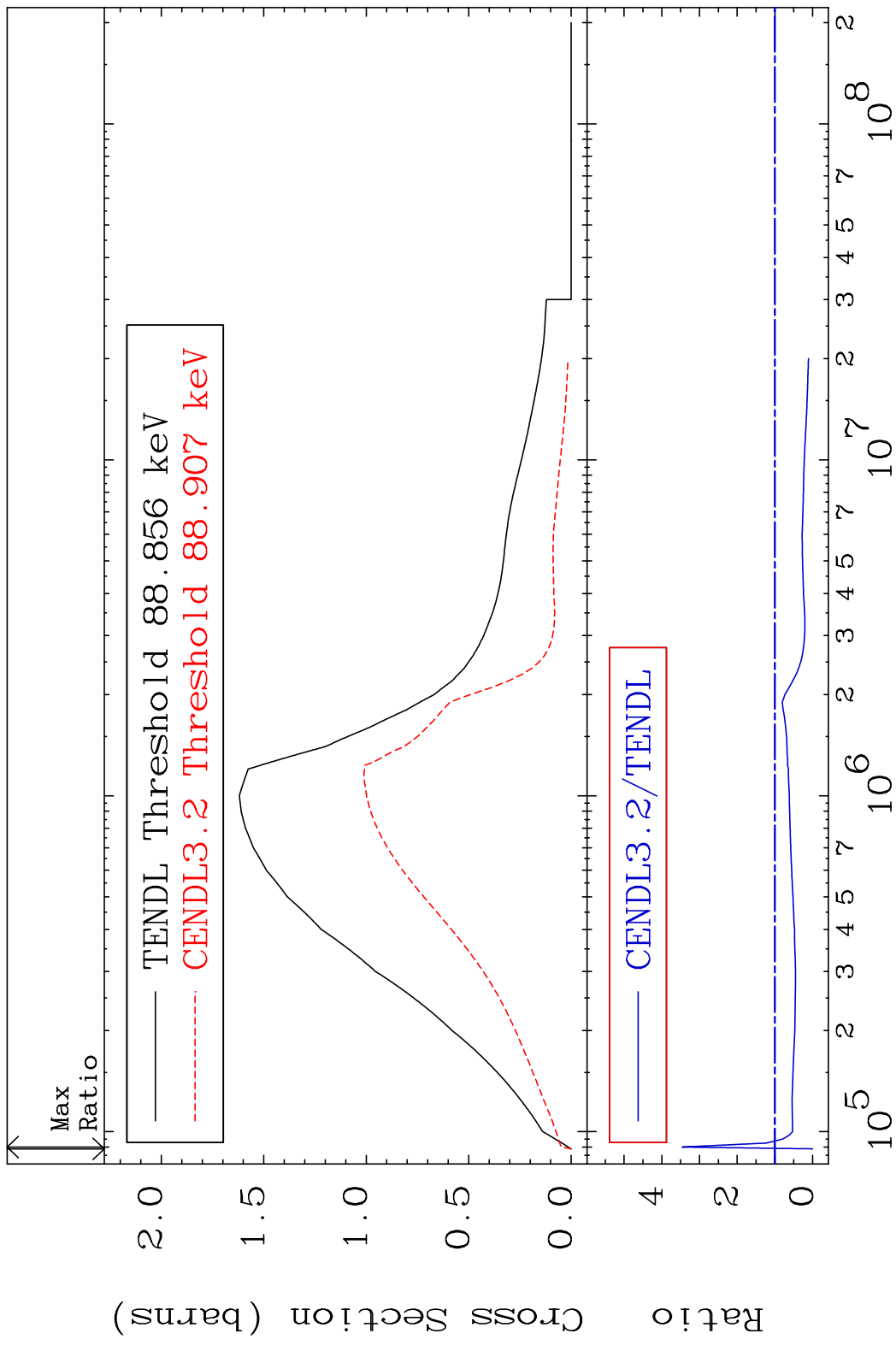


7

Incident Energy (eV)

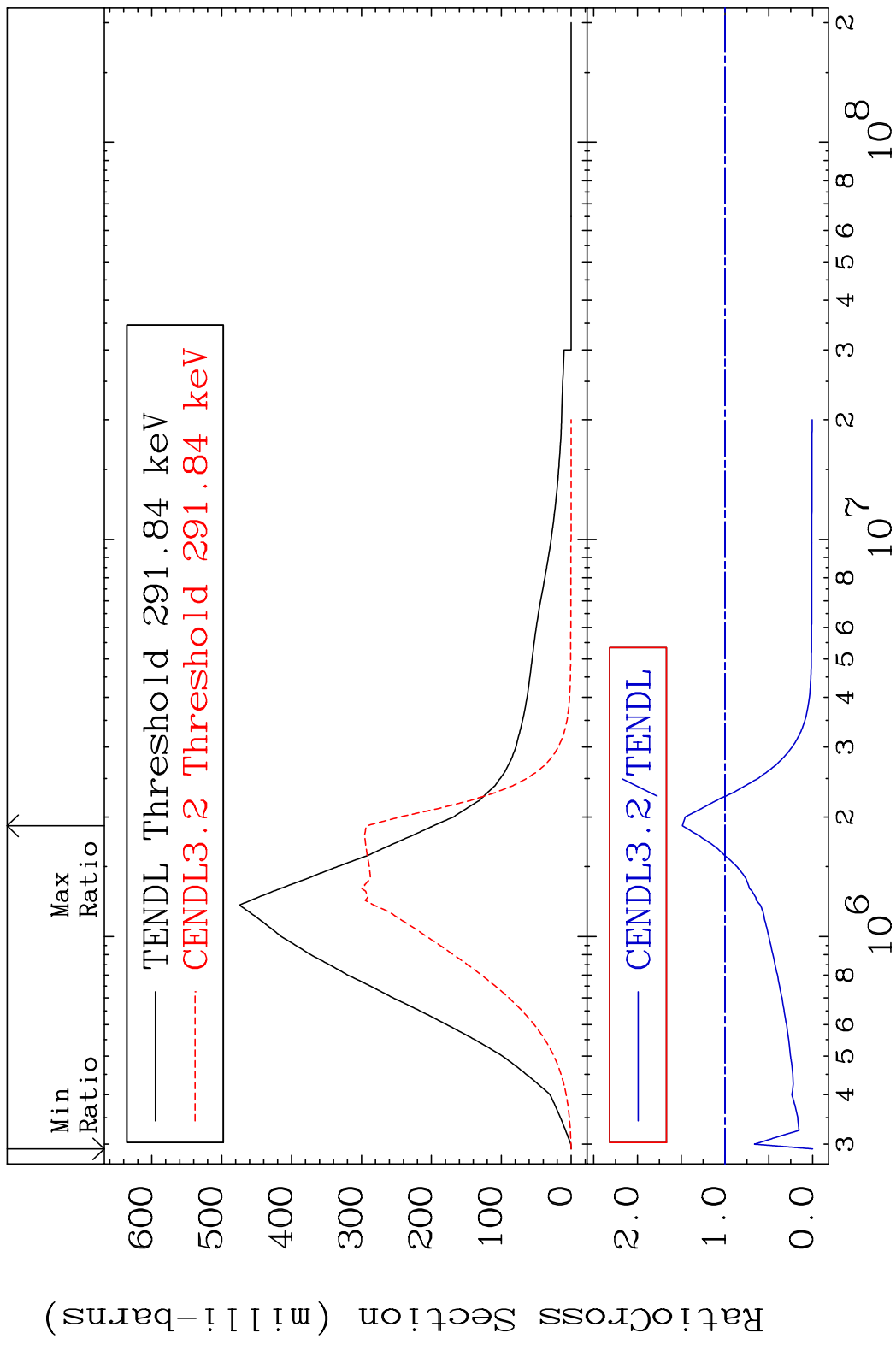
72-Hf-176

MAT 7231 MT= 51 (n, n') Level 72-Hf-176
 Cross Section -100.0 To 245.5 %

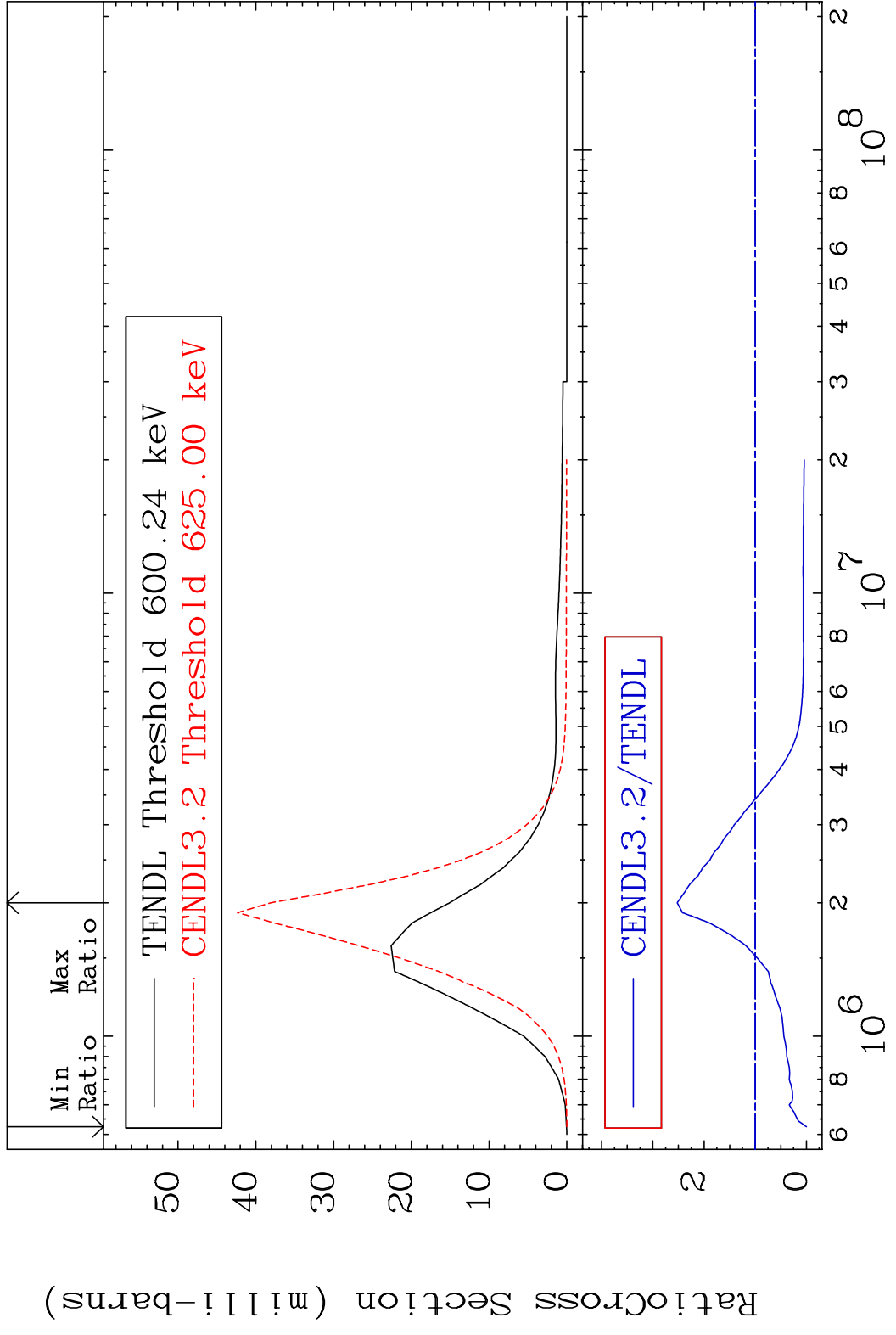


8 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 52 (n,n') Level 72-Hf-176
 Cross Section -100.0 To 48.64 %

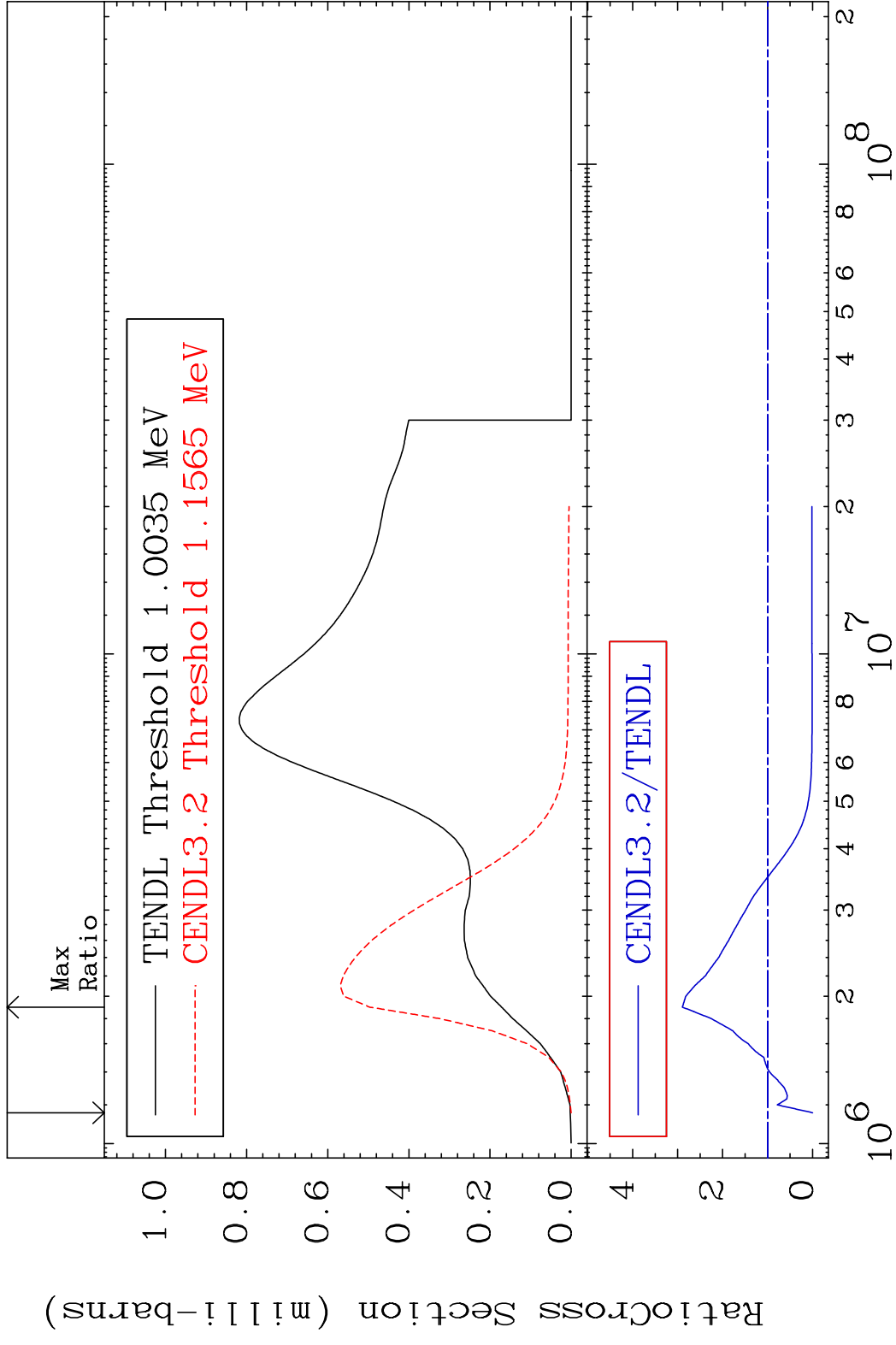


MAT 7231 MT= 53 (n, n') Level 72-Hf-176
 Cross Section -100.0 To 152.5 %

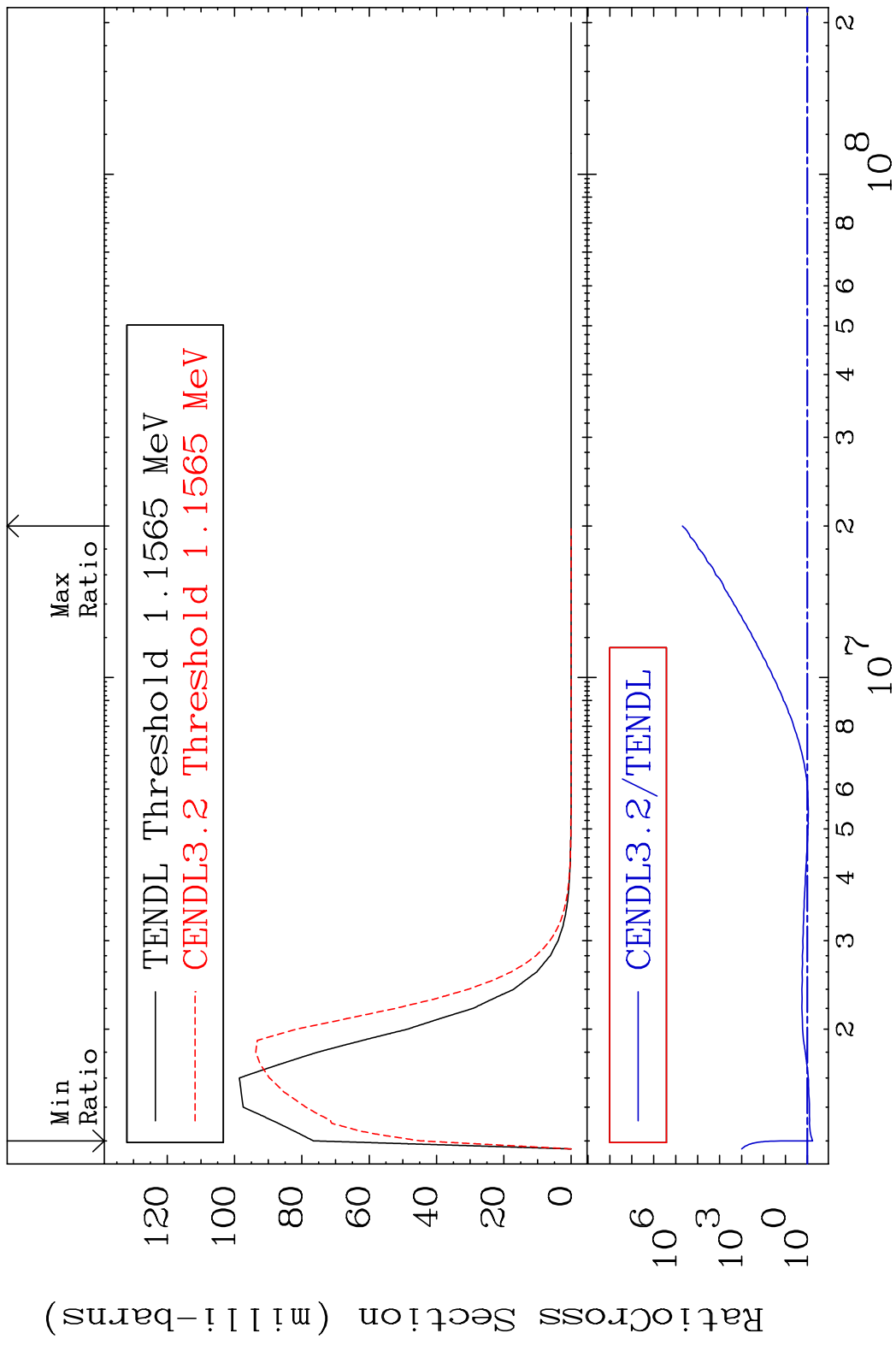


10 Incident Energy (eV) 72-Hf-176

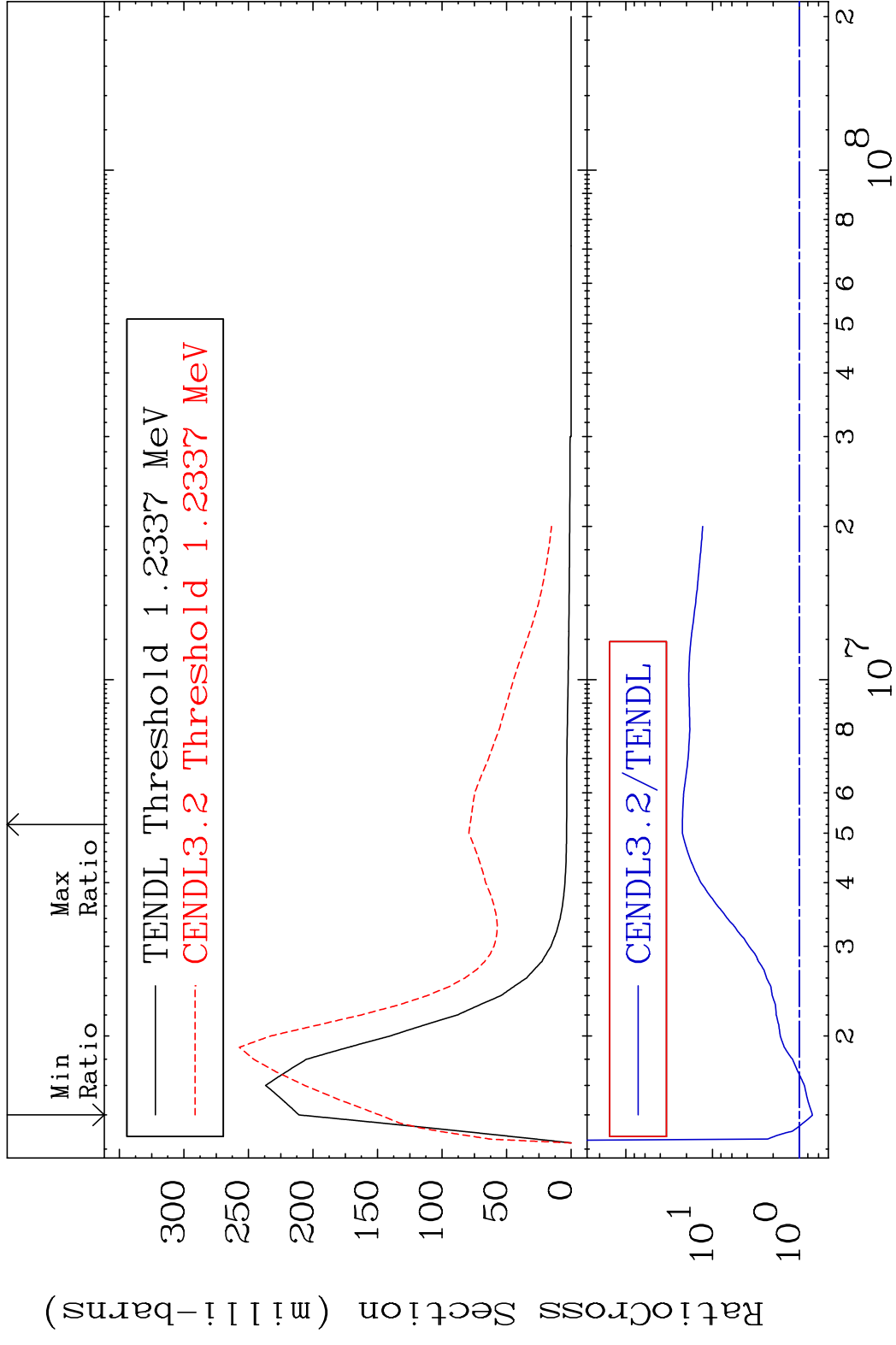
MAT 7231 MT= 54 (n, n') Level 72-Hf-176
 Cross Section -100.0 To 189.5 %



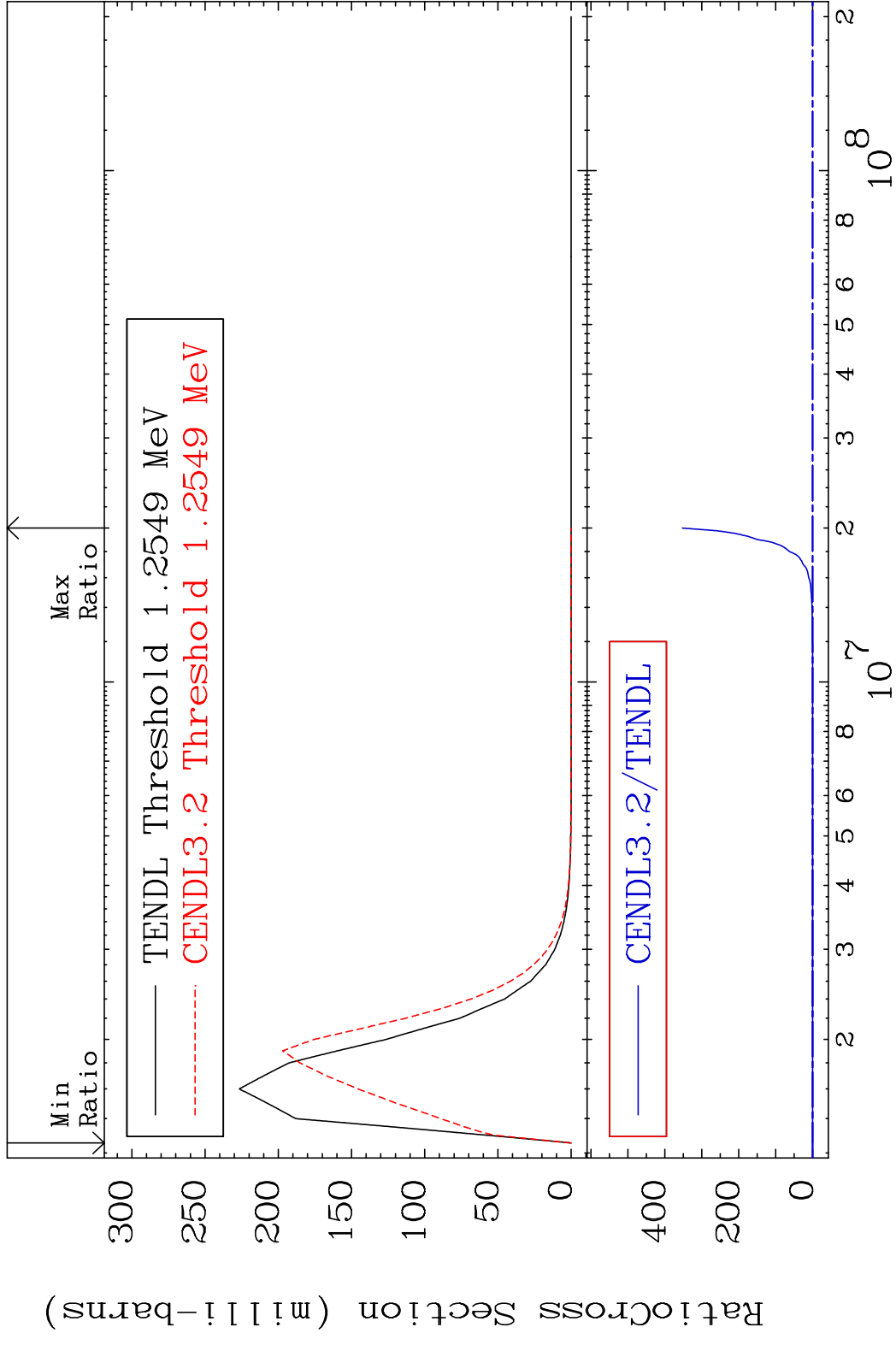
MAT 7231 MT= 55 (n, n') Level 72-Hf-176
 Cross Section -41.49 To 9999. %



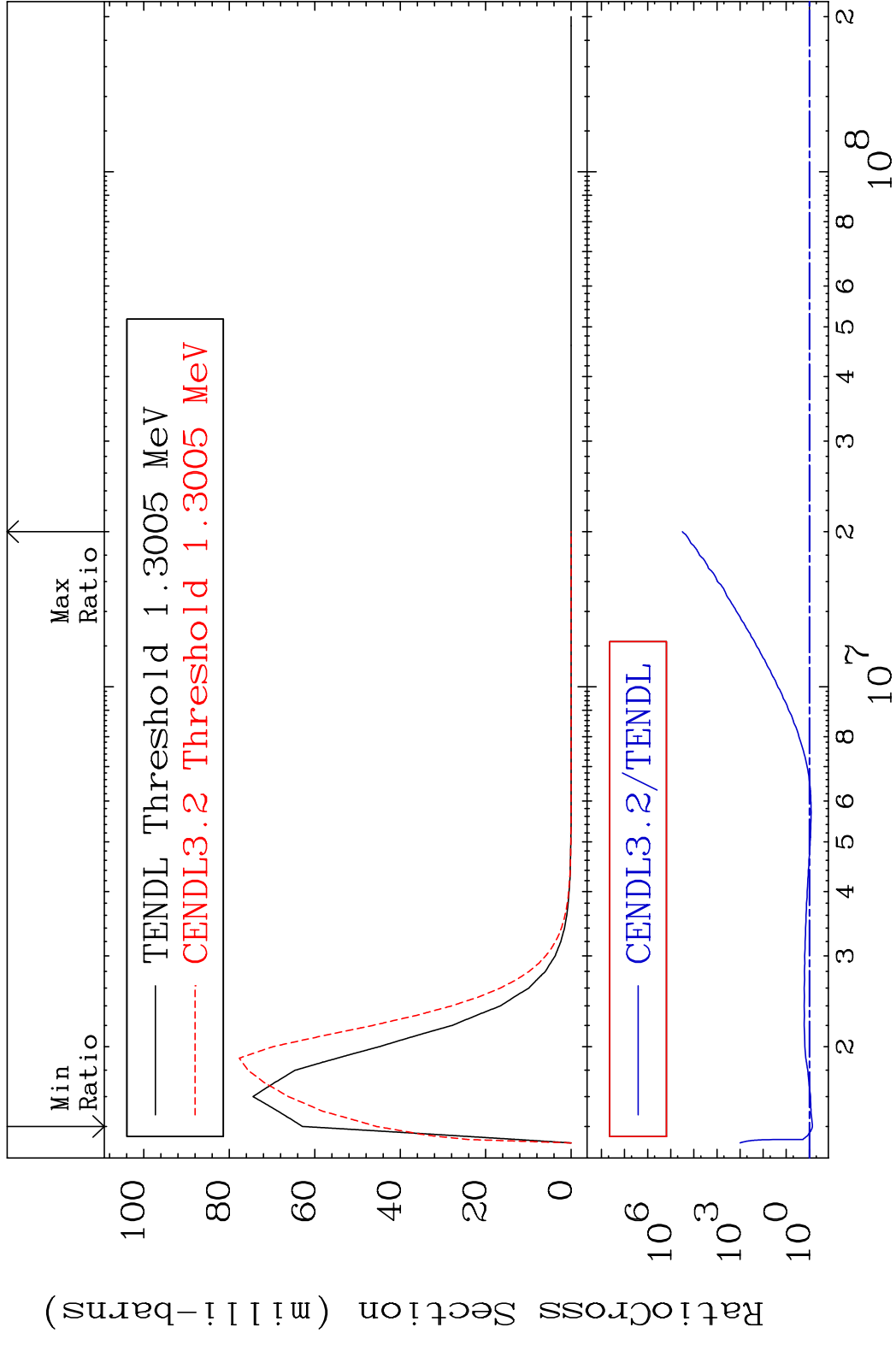
MAT 7231 MT= 56 (n,n') Level 72-Hf-176
 Cross Section -29.61 To 2128. %



MAT 7231 MT= 57 (n, n') Level 72-Hf-176
 Cross Section -100.0 To 9999. %



MAT 7231 MT= 58 (n, n') Level 72-Hf-176
 Cross Section -27.54 To 9999. %

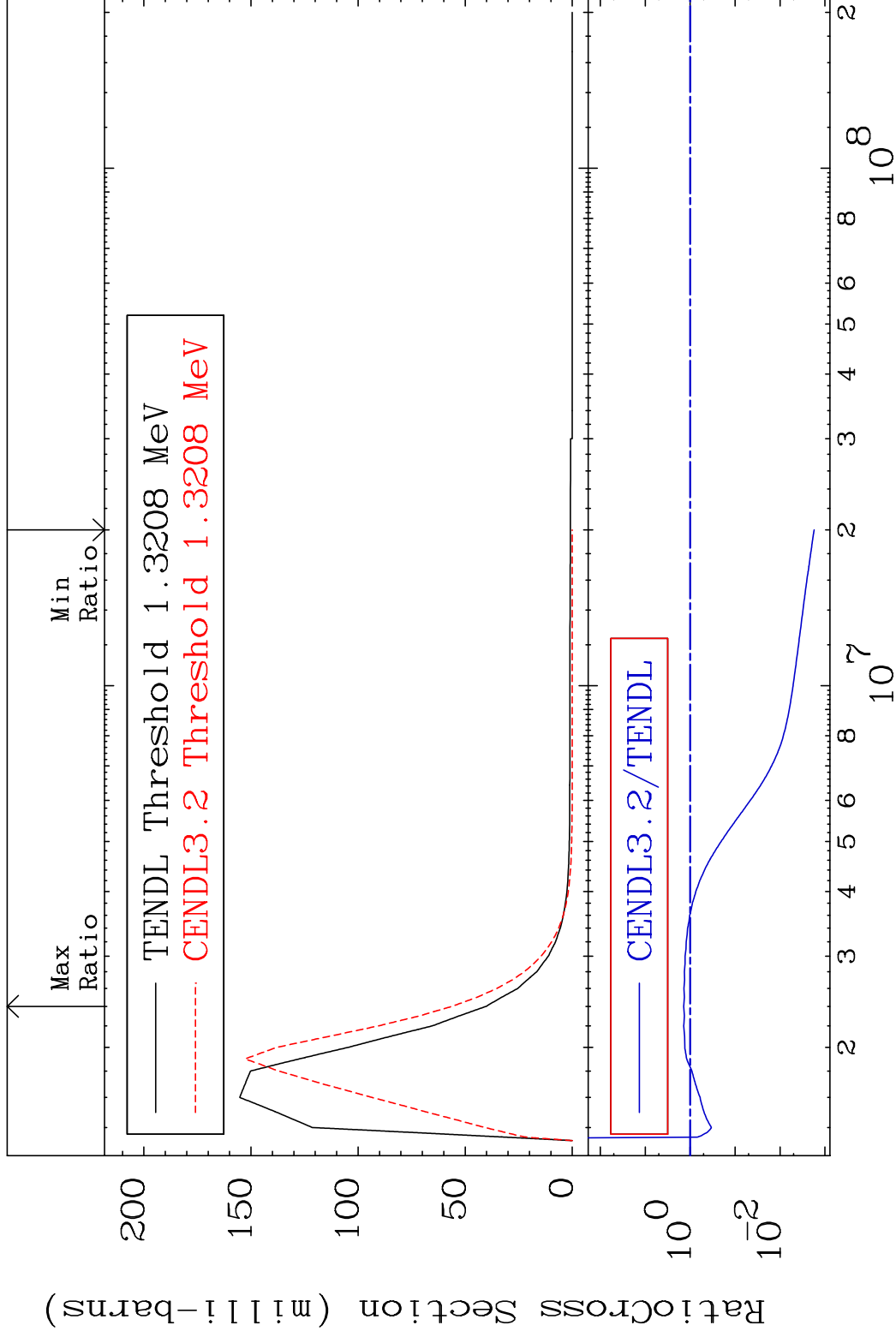


MAT 7231

MT= 59 (n, n') Level

72-Hf-176

Cross Section -99.83 To 39.47 %

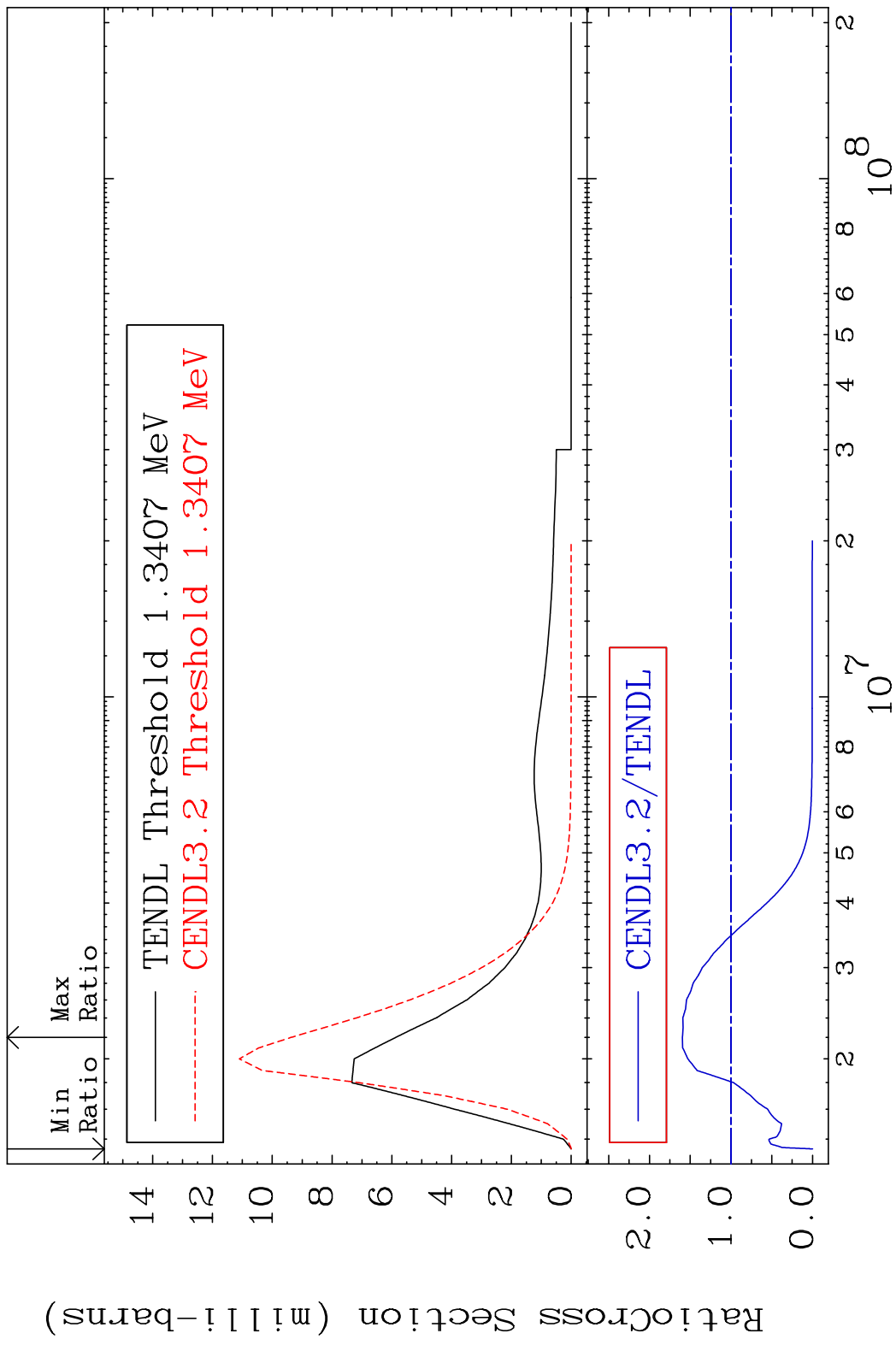


16

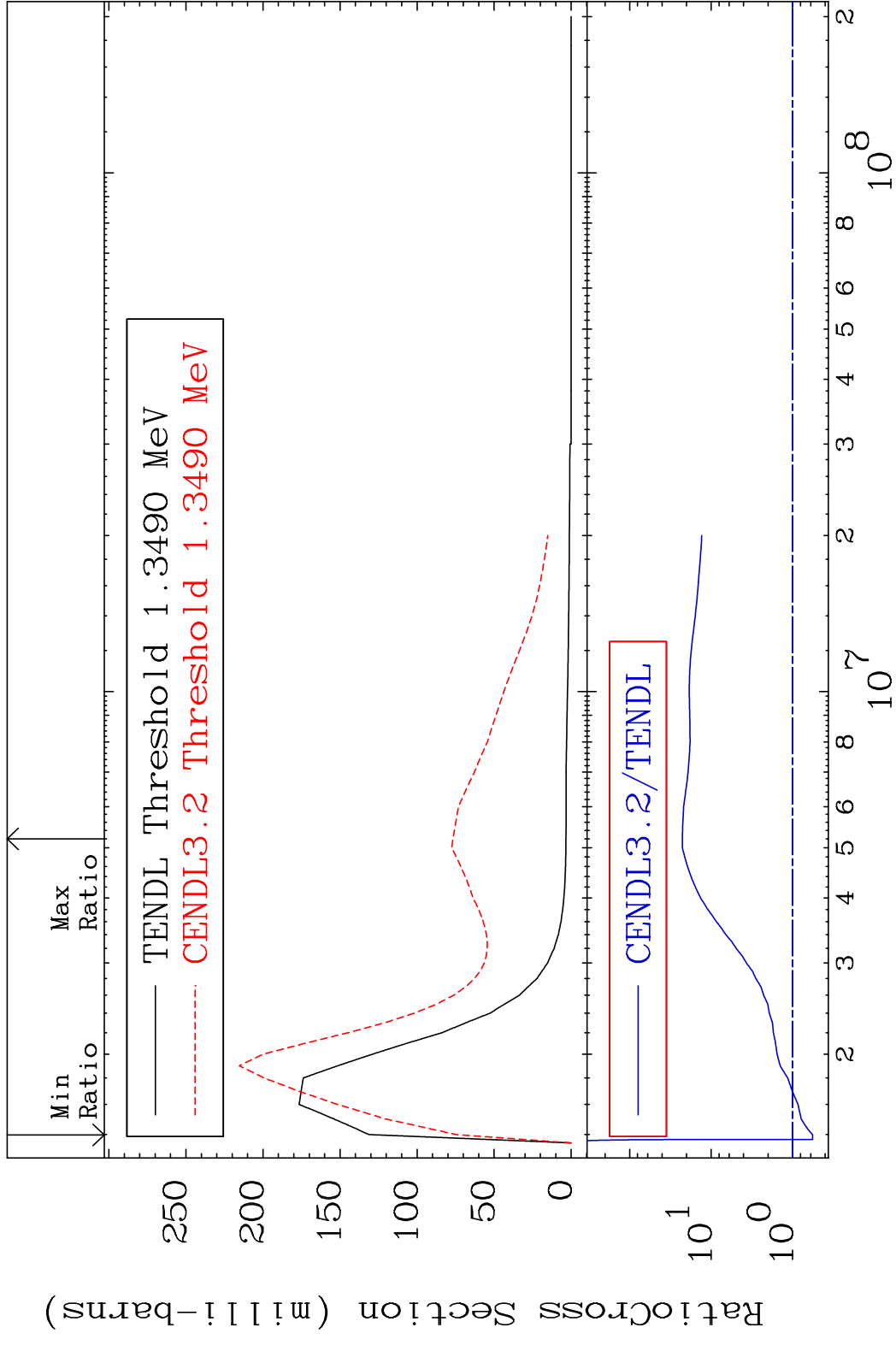
Incident Energy (eV)

72-Hf-176

MAT 7231 MT= 60 (n,n') Level 72-Hf-176
 Cross Section -100.0 To 59.66 %



MAT 7231 MT= 61 (n,n') Level 72-Hf-176
 Cross Section -43.04 To 2155. %

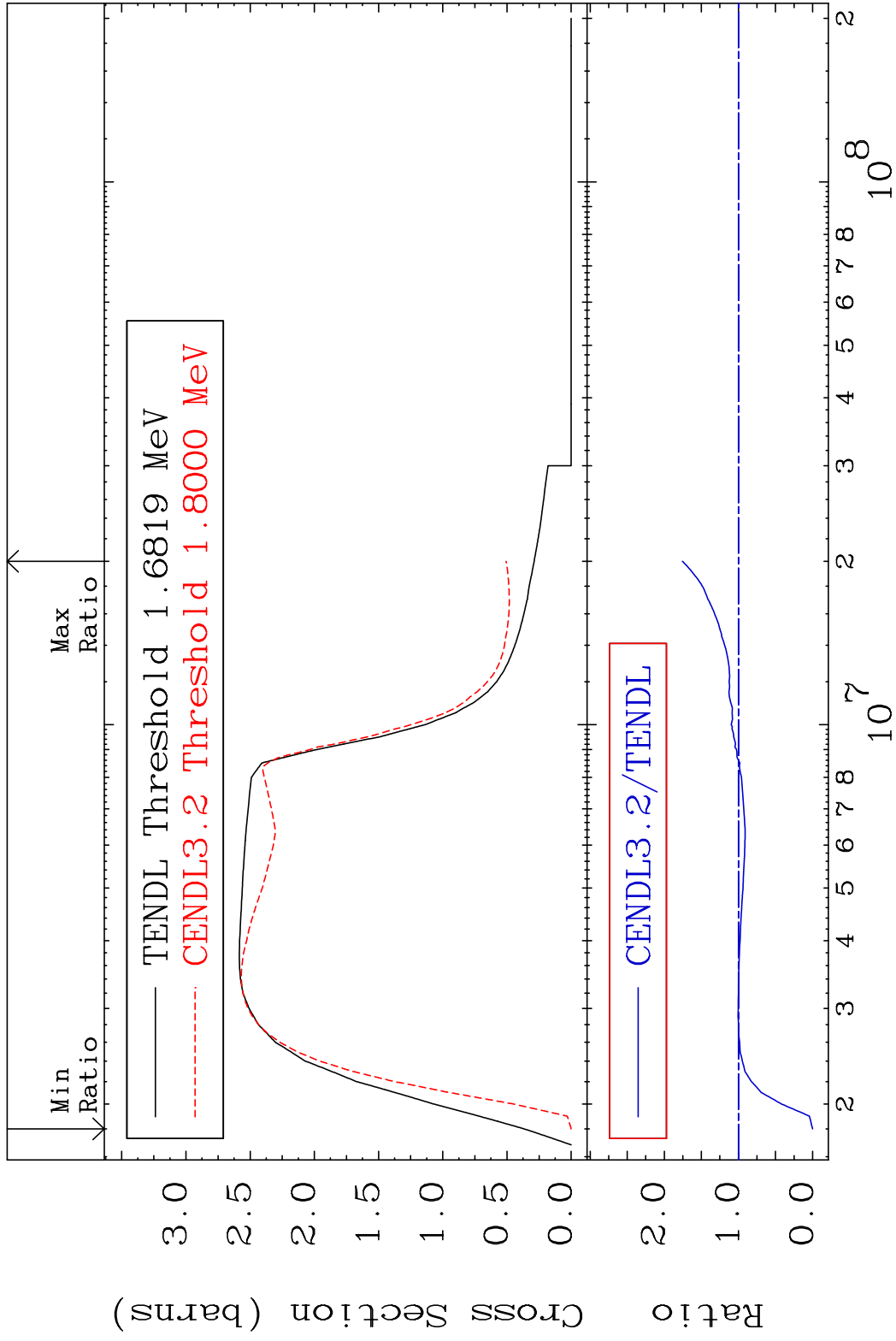


MAT 7231

(n, n') Continuum

72-Hf-176

Cross Section -100.0 To 75.65 %

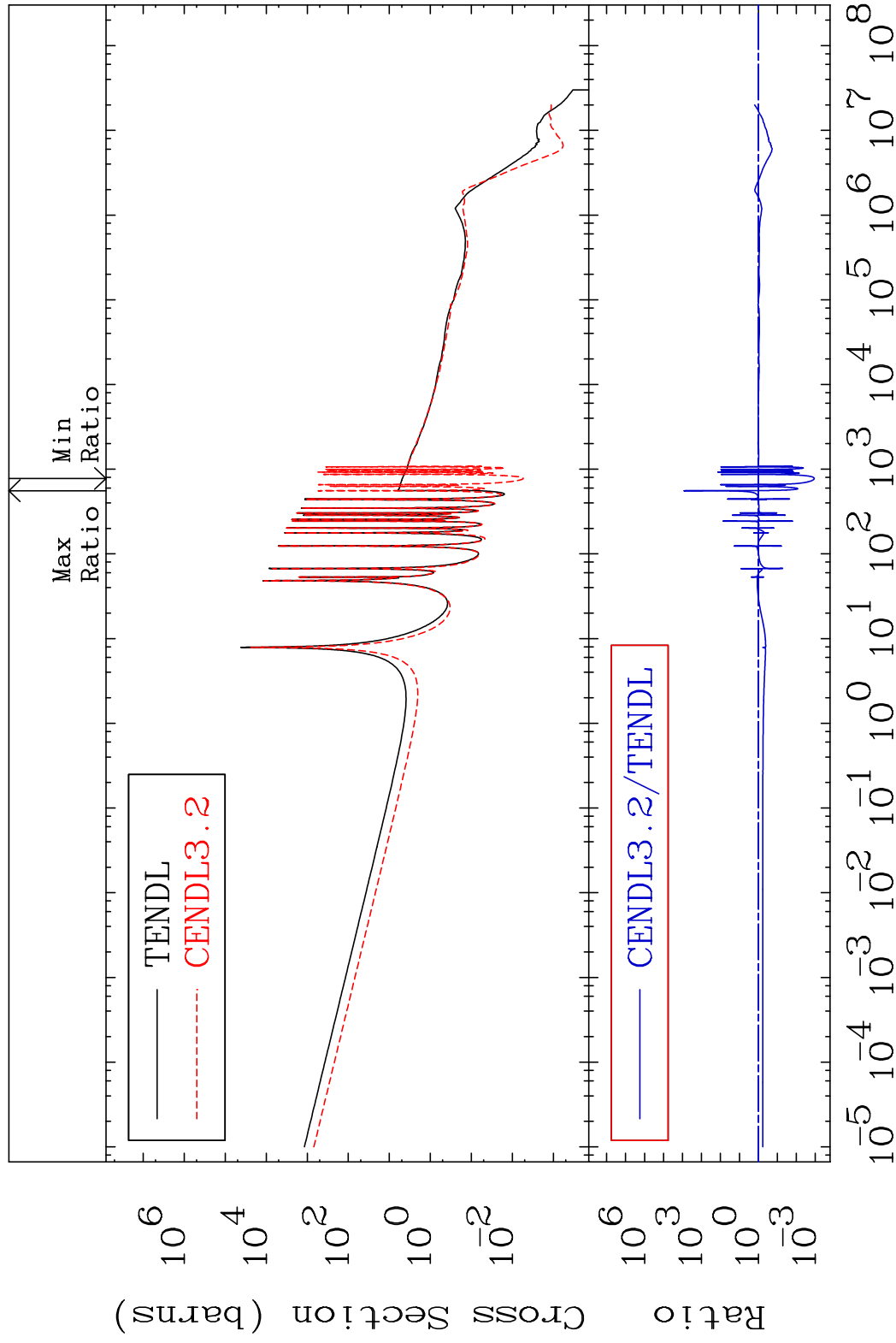


MAT 7231

(n, γ)

72-Hf-176

Cross Section -99.89 To 9999. %



20

Incident Energy (eV)

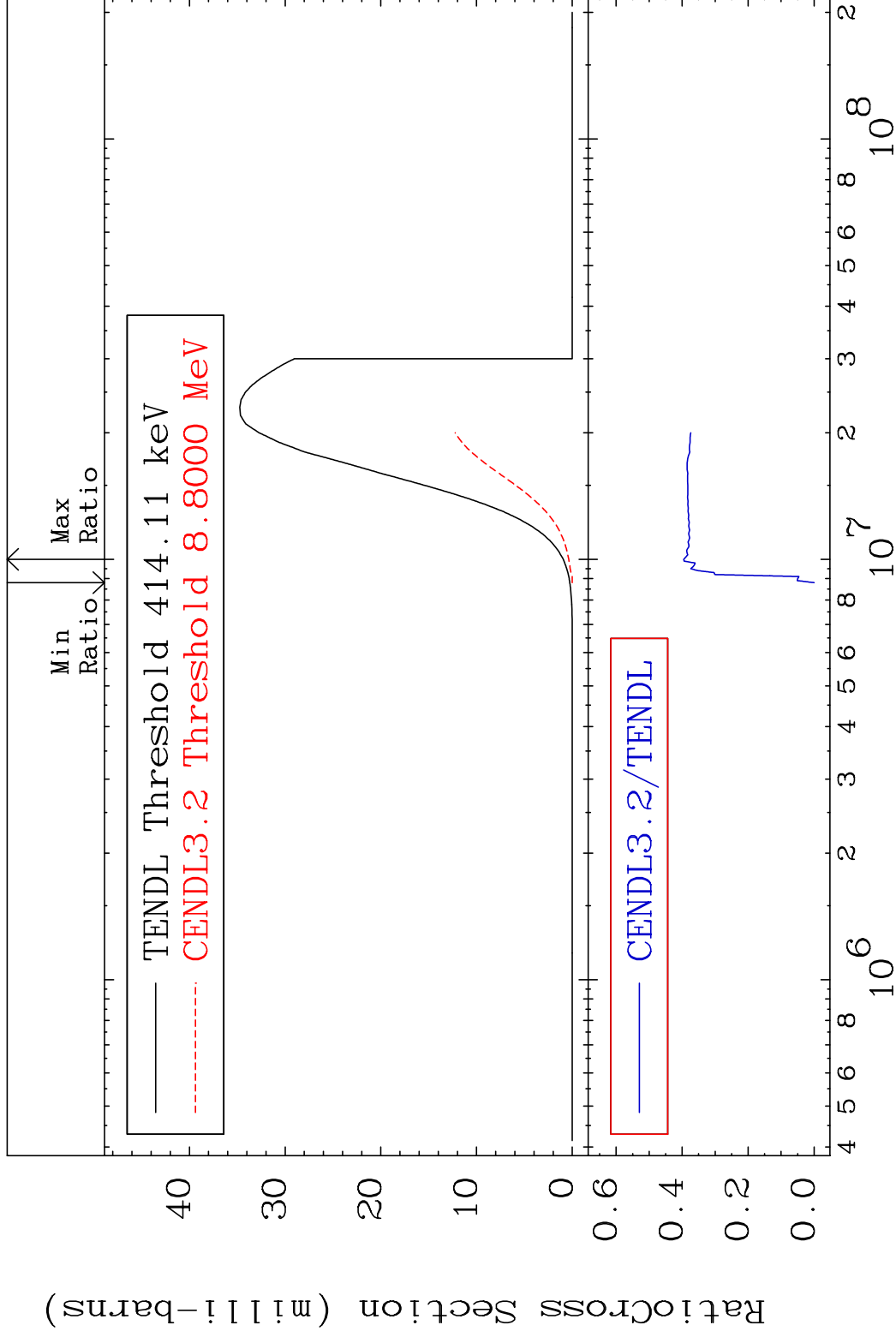
72-Hf-176

MAT 7231

(n, p)

72-Hf-176

Cross Section -100.0 To -60.46%



21

Incident Energy (eV)

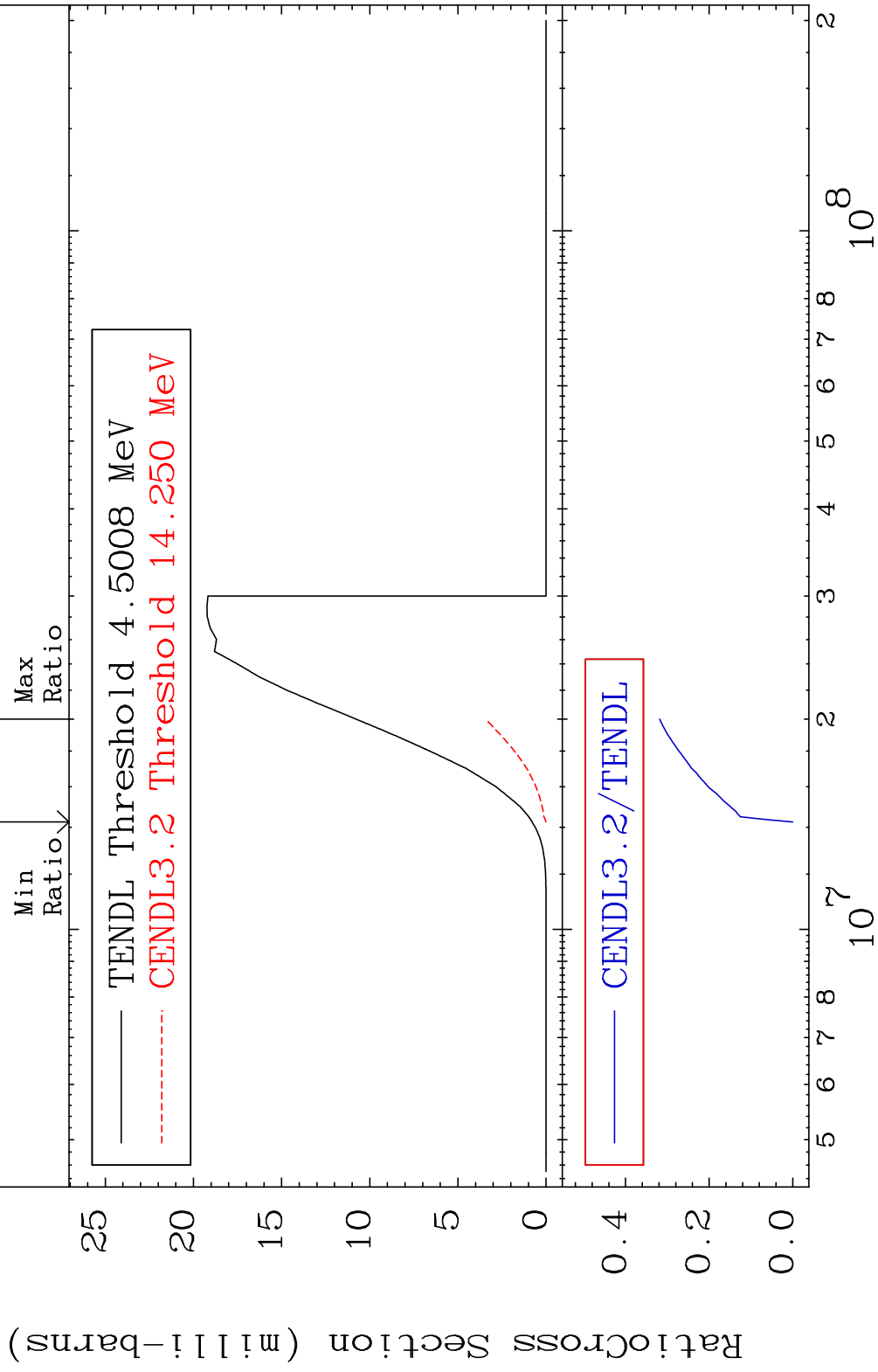
72-Hf-176

MAT 7231

(n, d)

72-Hf-176

Cross Section -100.0 To -68.17%



22

Incident Energy (eV)

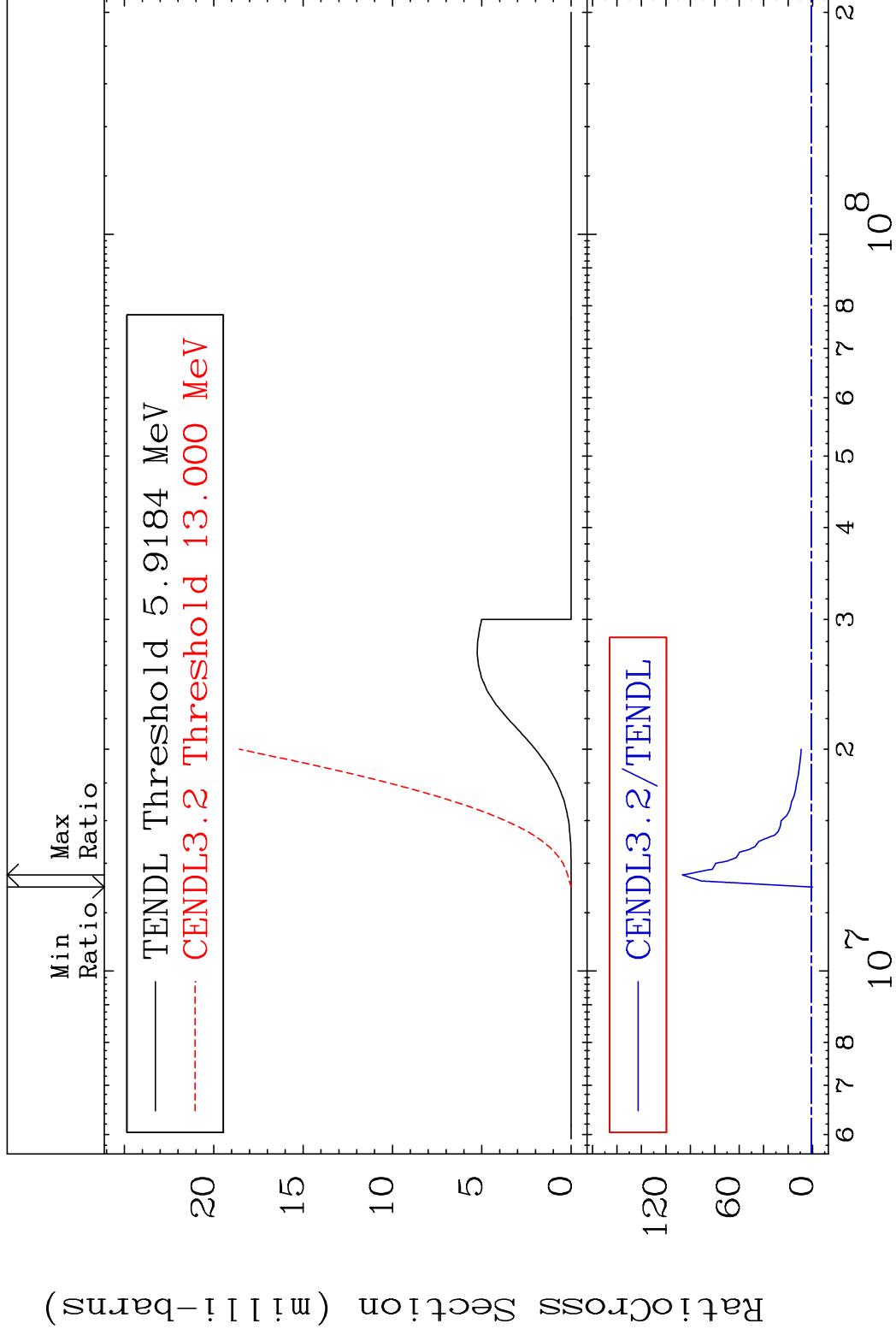
72-Hf-176

MAT 7231

(n, t)

72-Hf-176

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

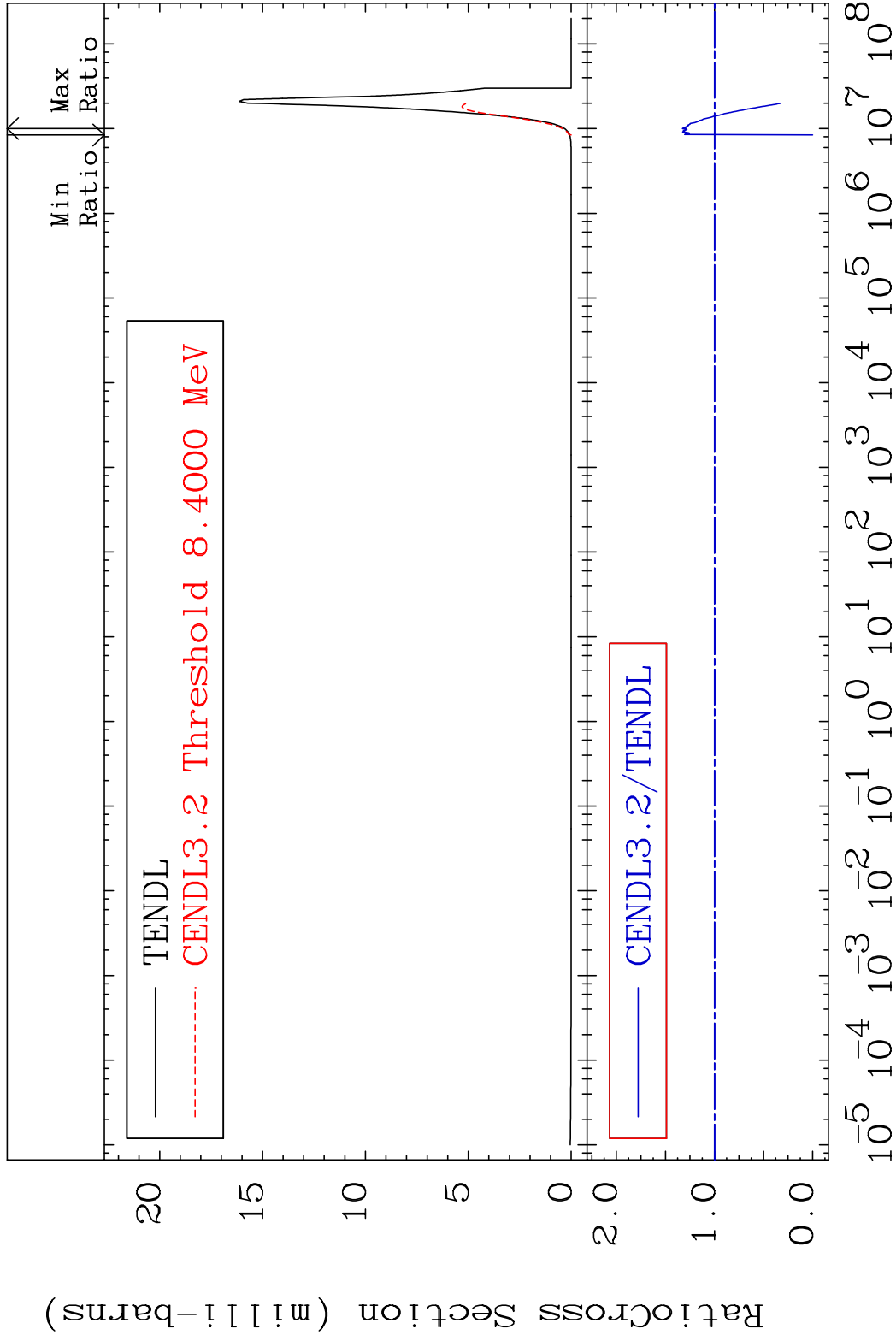
72-Hf-176

MAT 7231

(n, α)

72-Hf-176

Cross Section -100.0 To 32.72 %



24

Incident Energy (eV)

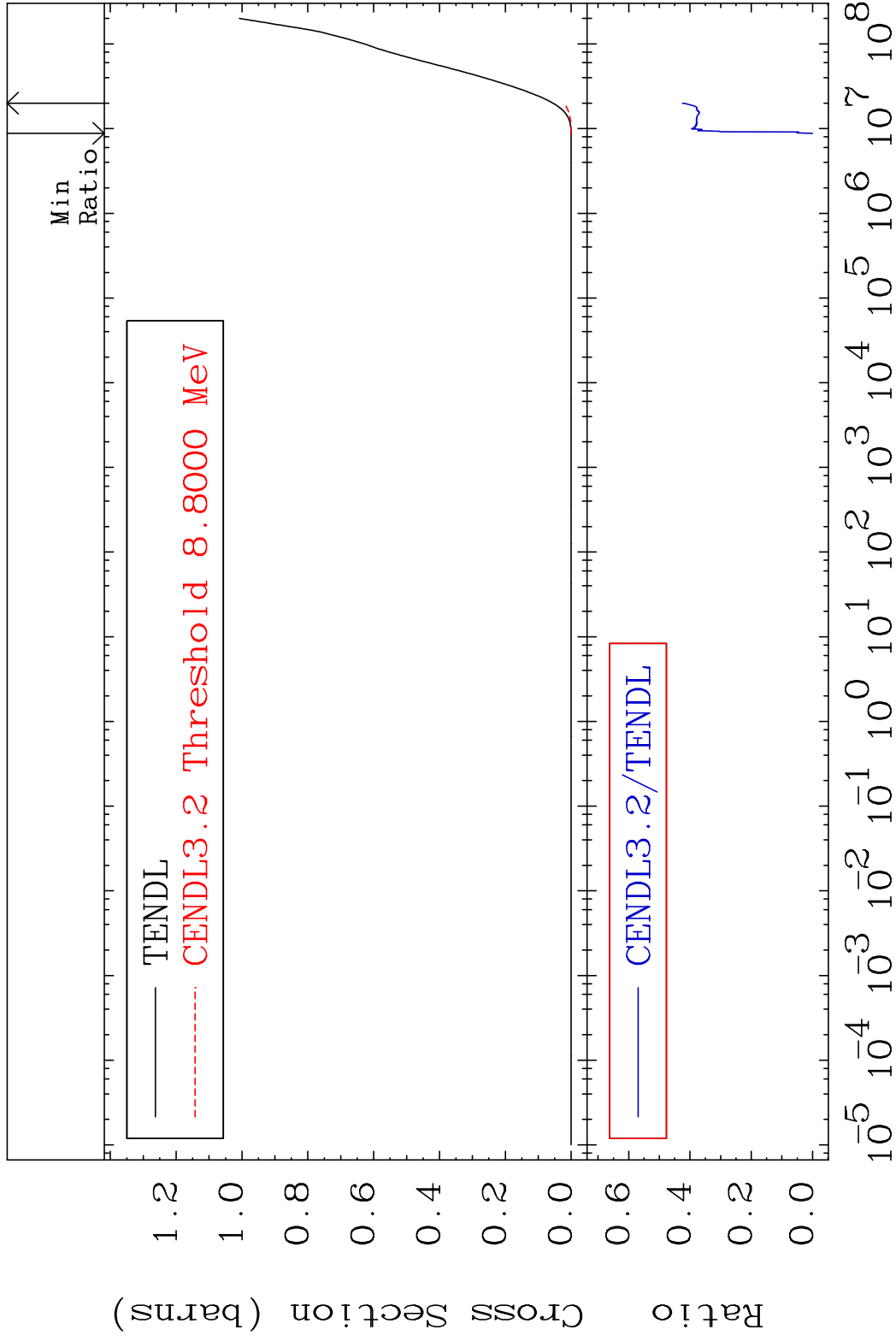
72-Hf-176

MAT 7231

Hydrogen Production

72-Hf-176

Cross Section -100.0 To -57.50%



25

Incident Energy (eV)

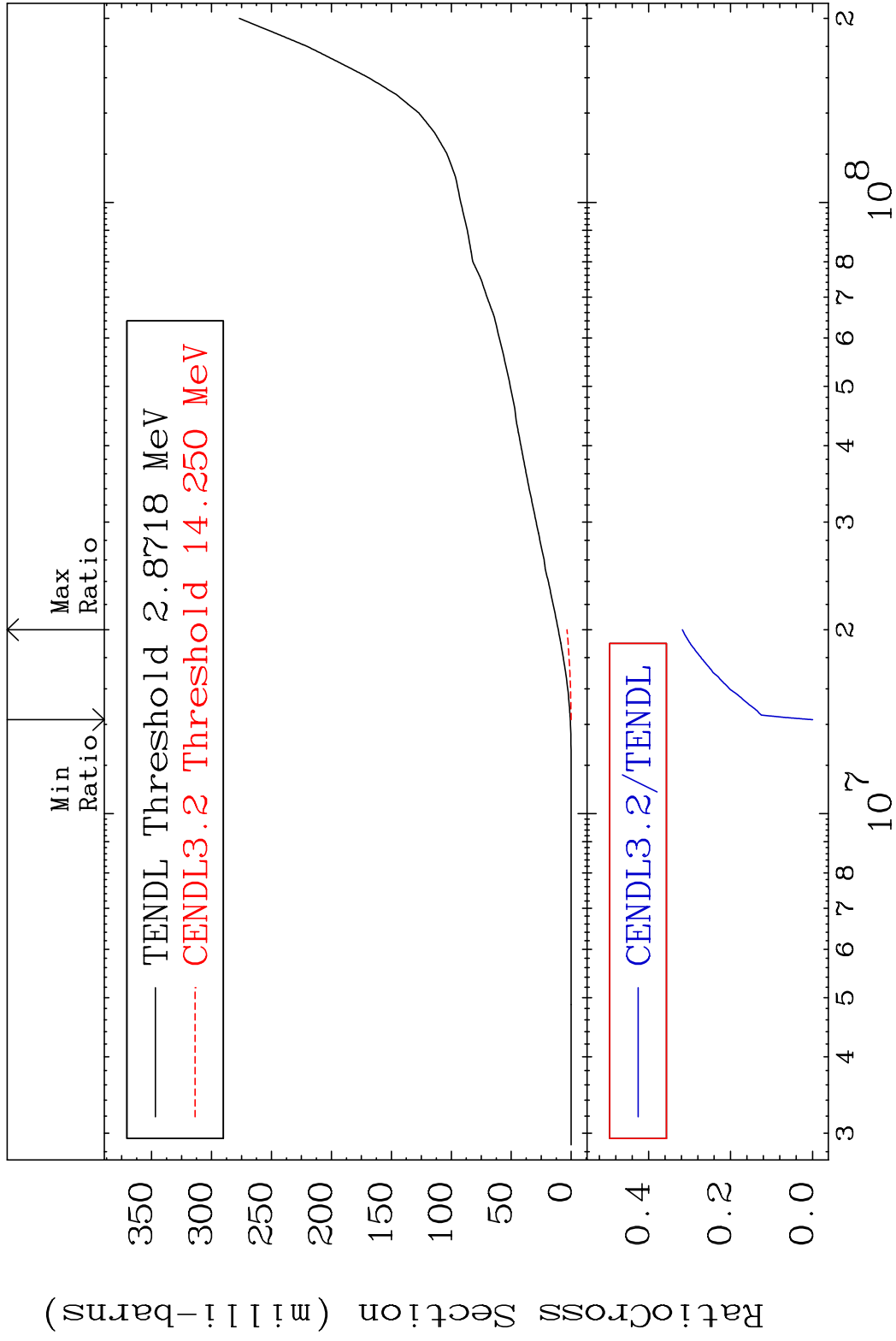
72-Hf-176

MAT 7231

Deuterium Production

72-Hf-176

Cross Section -100.0 To -68.23%



26

Incident Energy (eV)

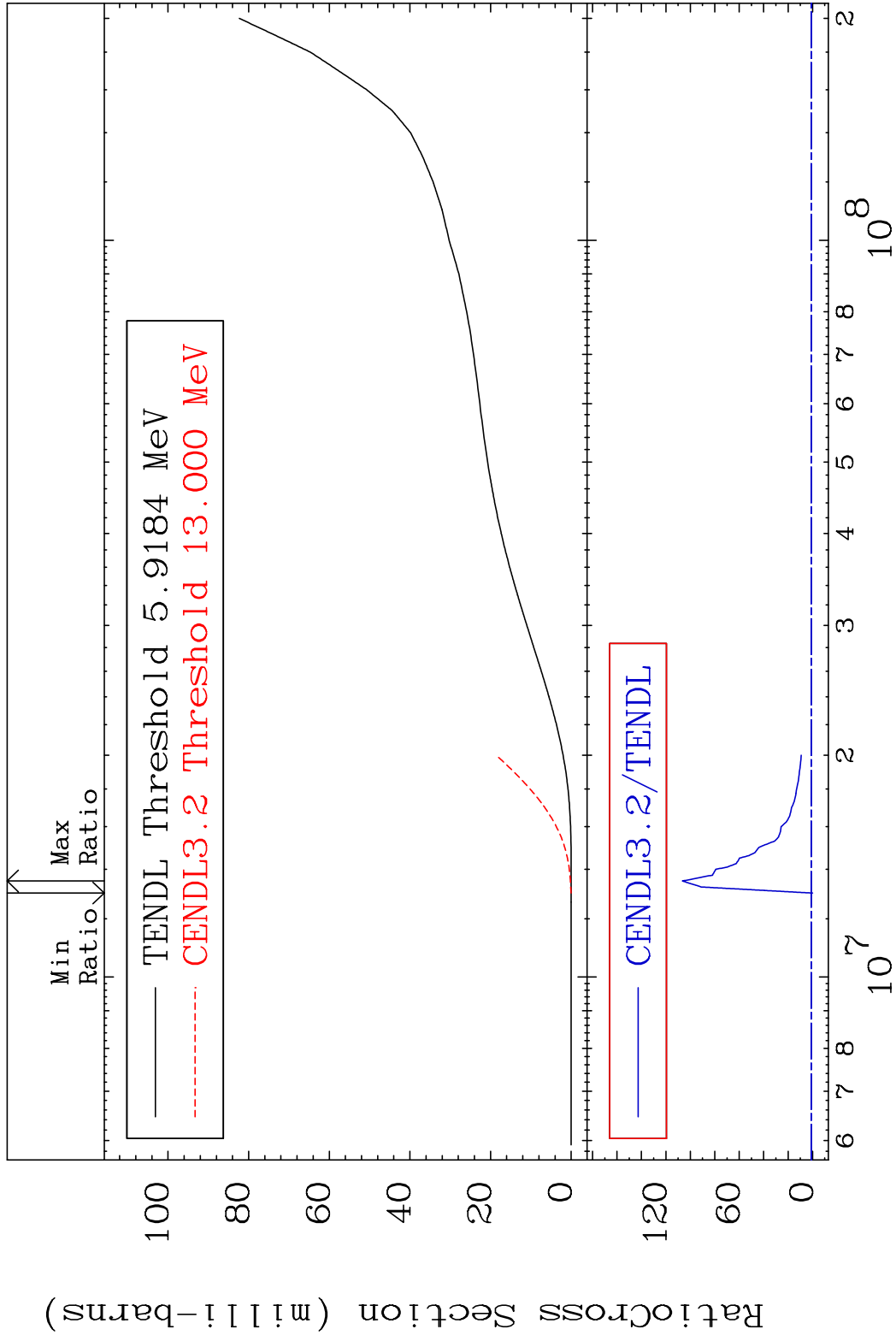
72-Hf-176

MAT 7231

Tritium Production

72-Hf-176

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

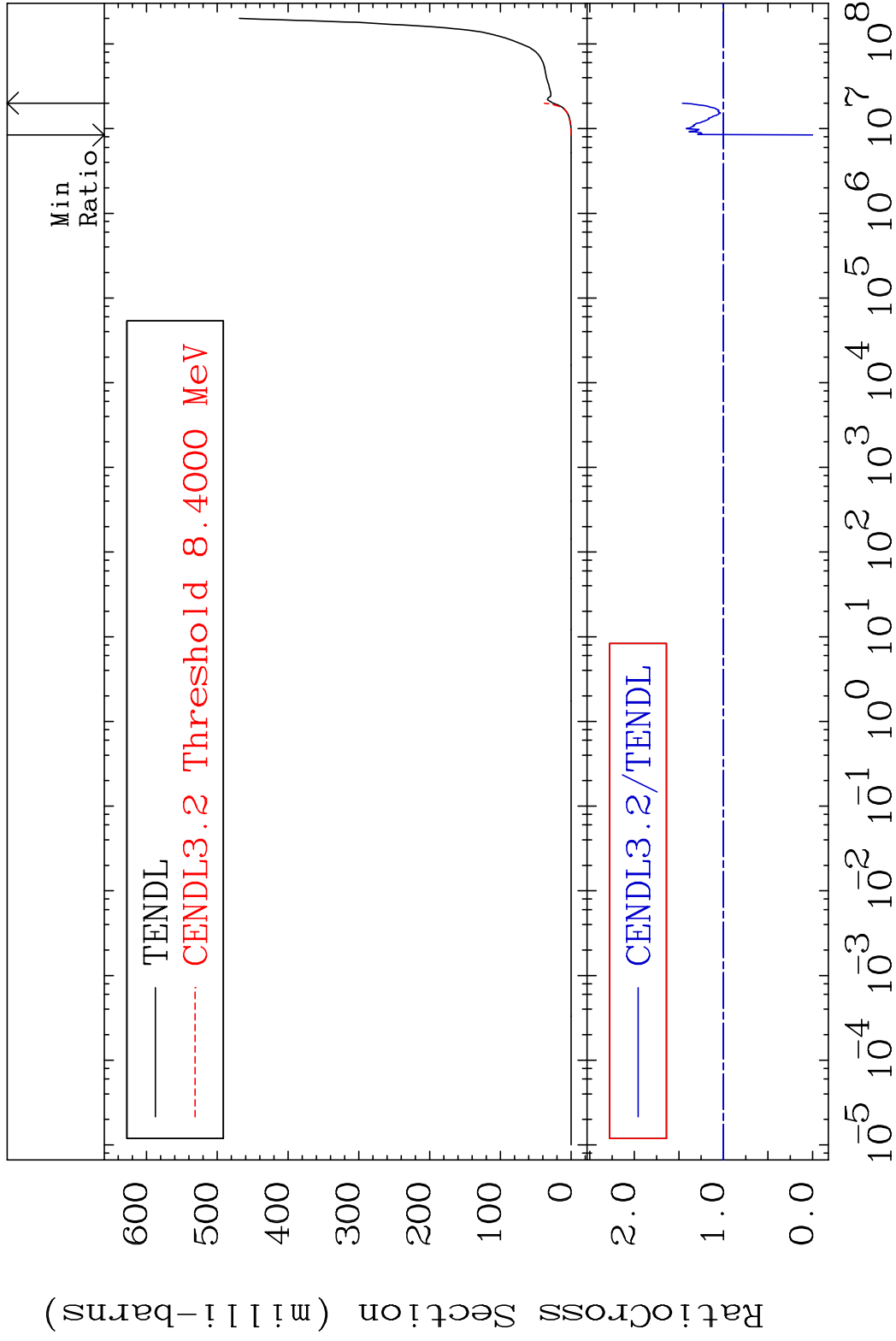
72-Hf-176

MAT 7231

He-4 Production

72-Hf-176

Cross Section -100.0 To 46.13 %

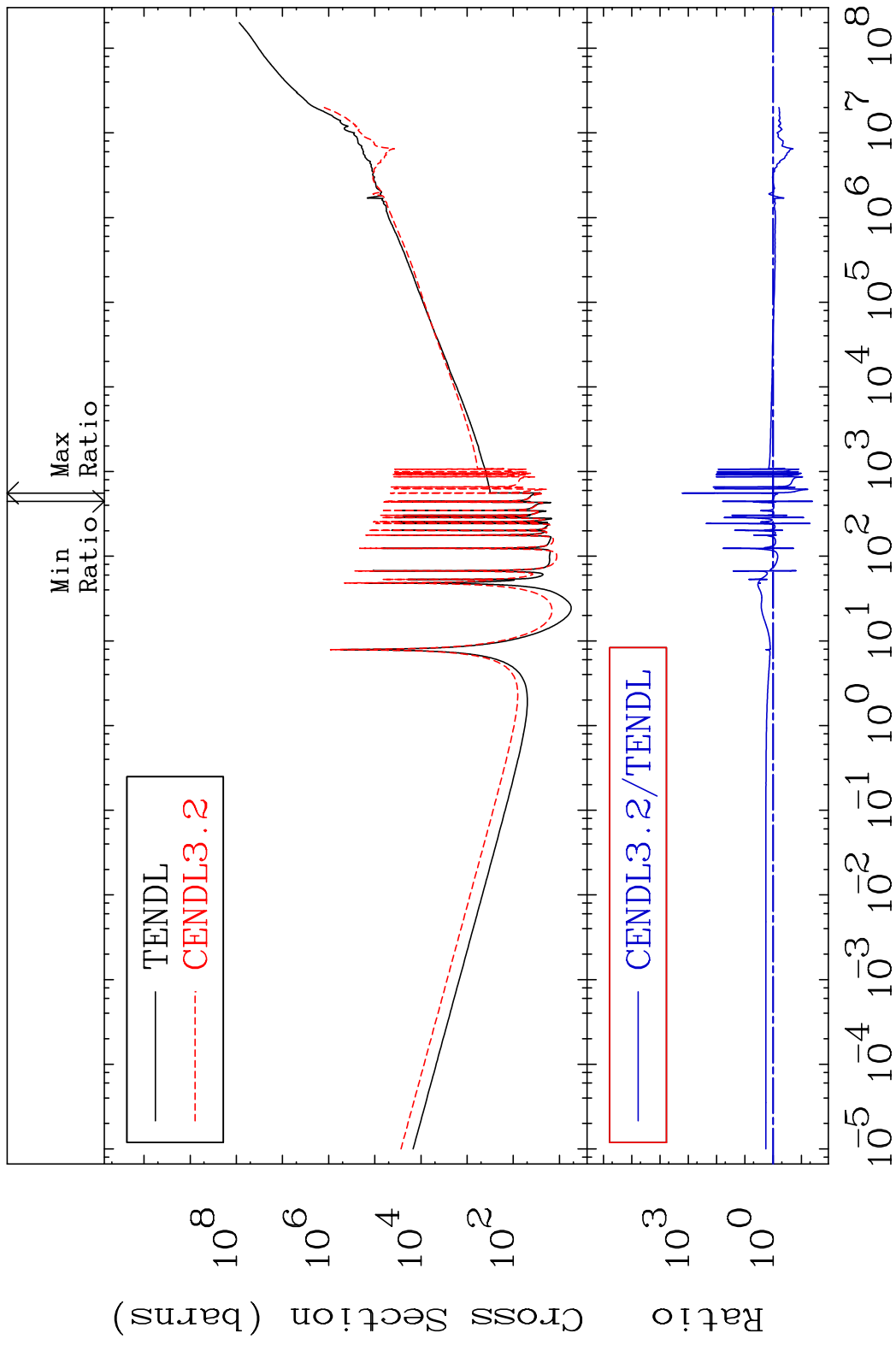


28

Incident Energy (eV)

72-Hf-176

MAT 7231 Kerma total (eV-barns) 72-Hf-176
 Cross Section -95.93 To 9999. %

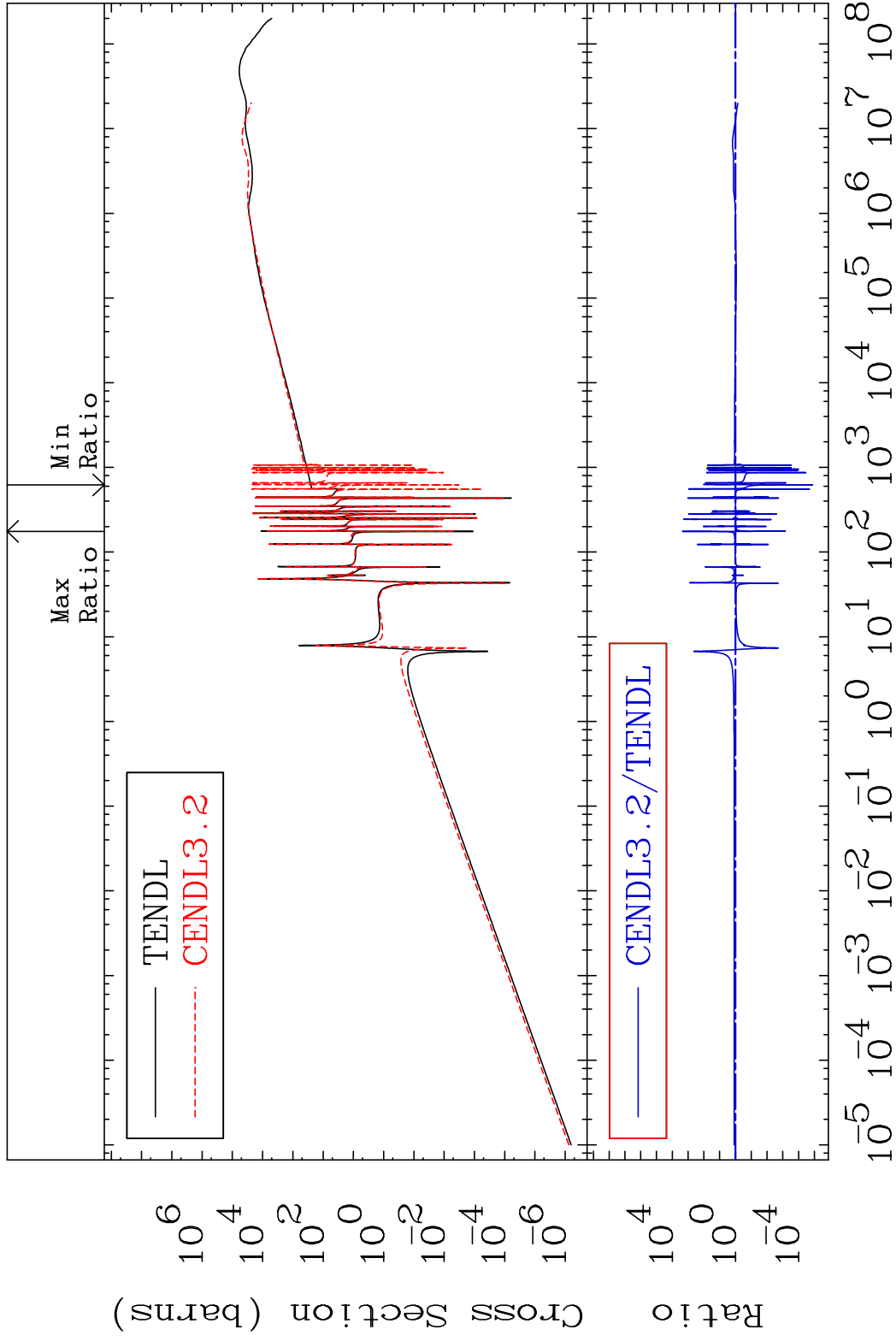


MAT 7231

Kerma elastic

72-Hf-176

Cross Section -100.0 To 9999. %

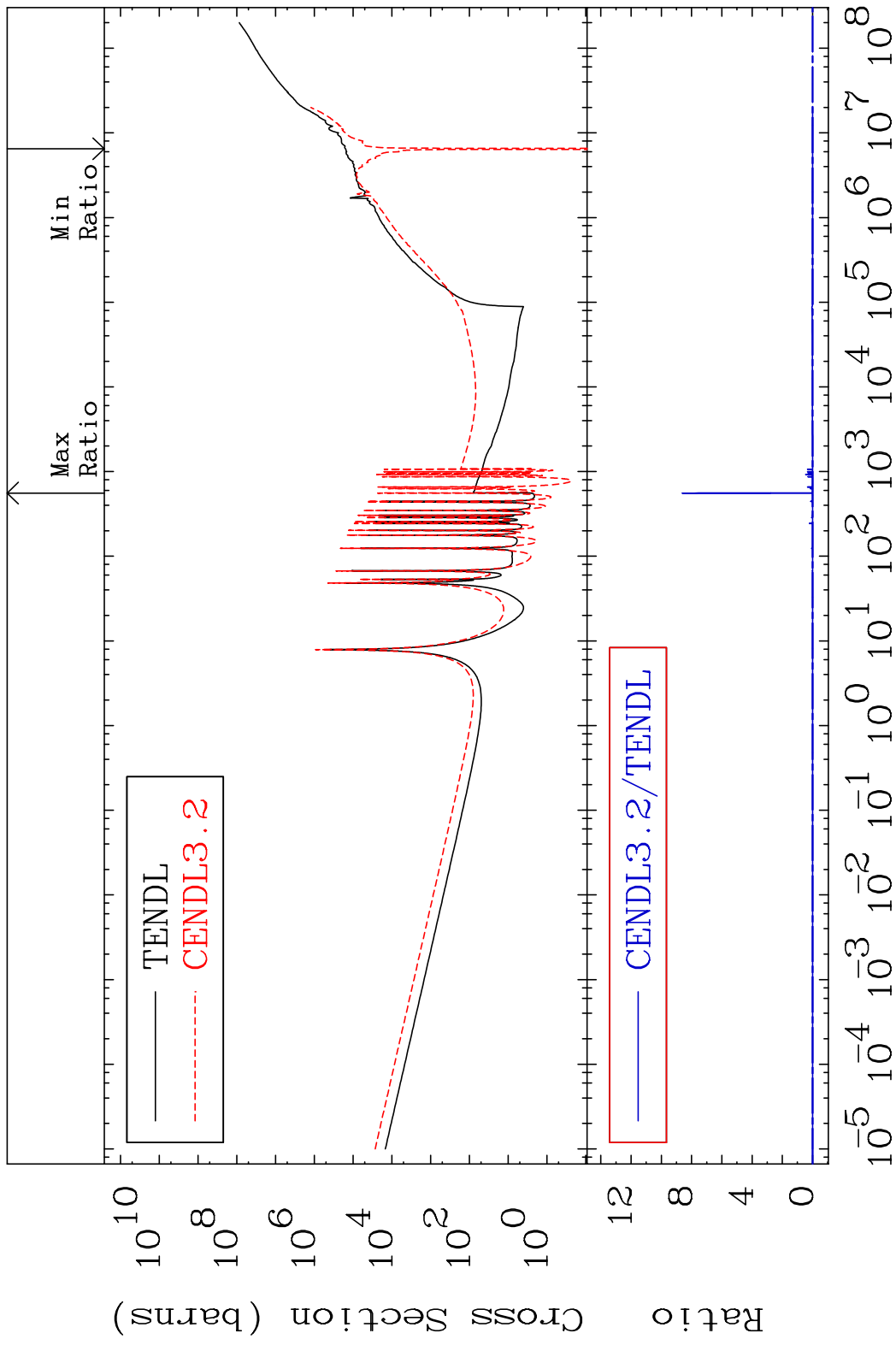


30

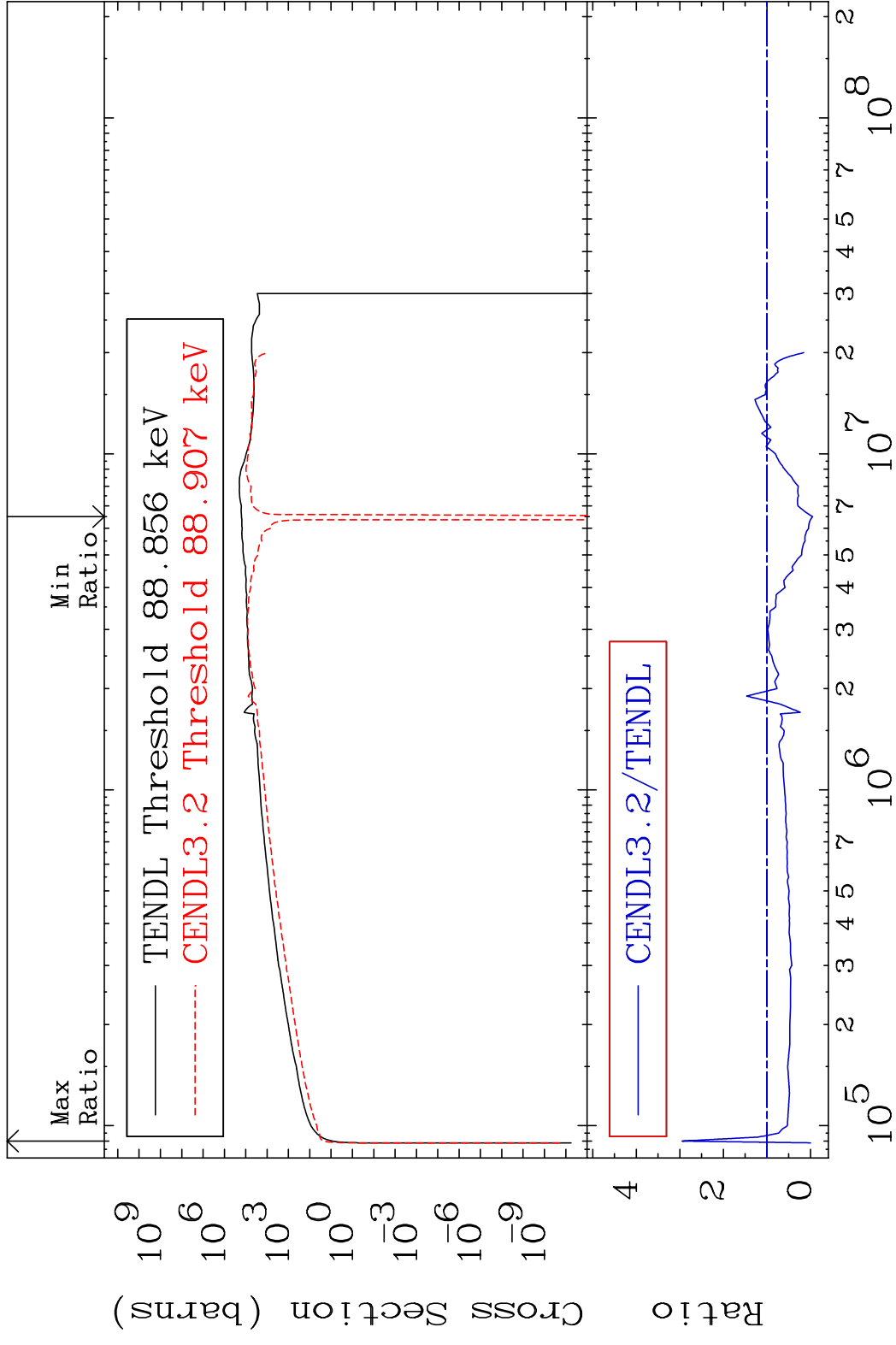
Incident Energy (eV)

72-Hf-176

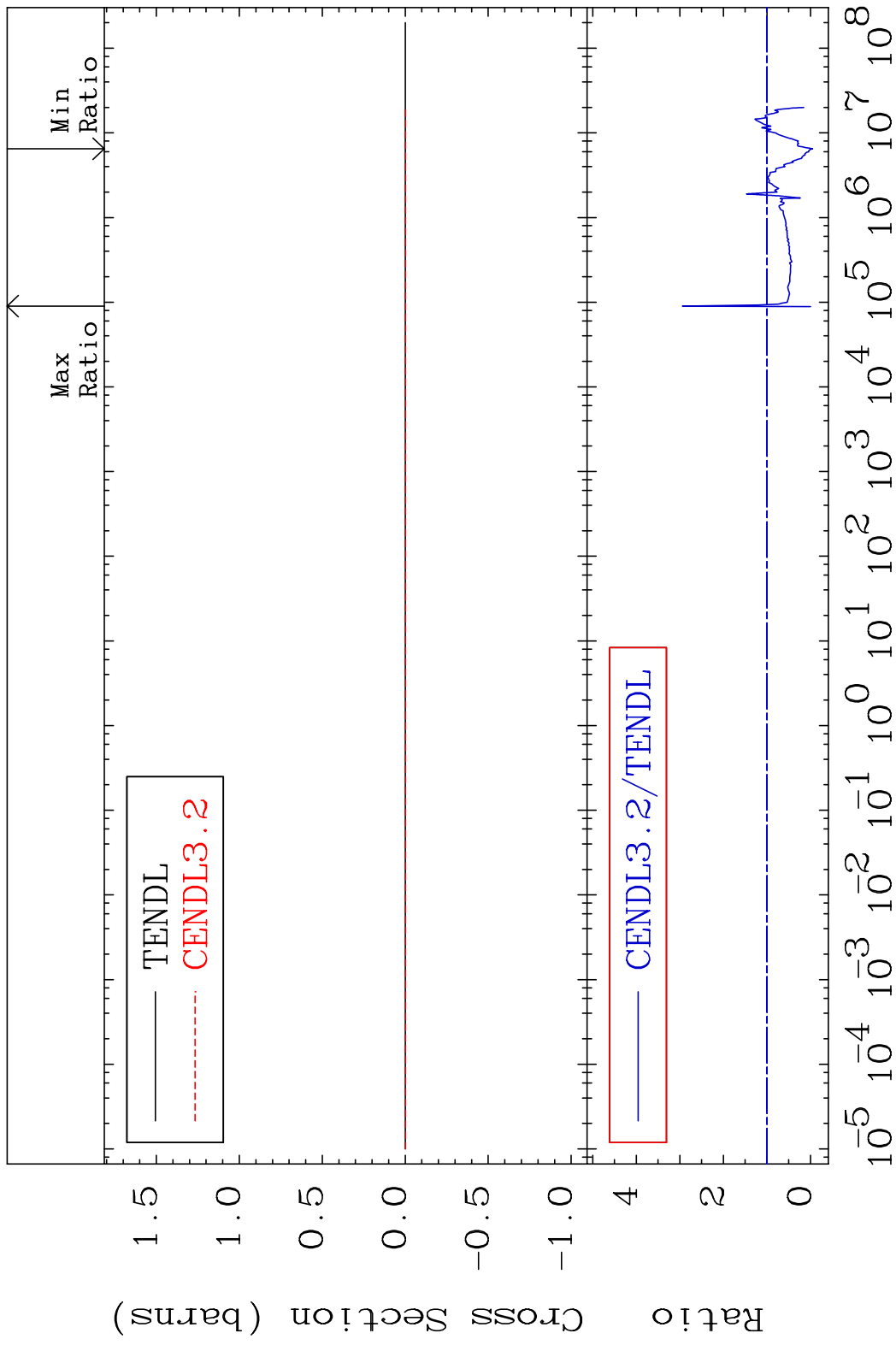
MAT 7231 Kerma non-elastic (all but mt2) 72-Hf-176
 Cross Section -104.6 To 9999. %



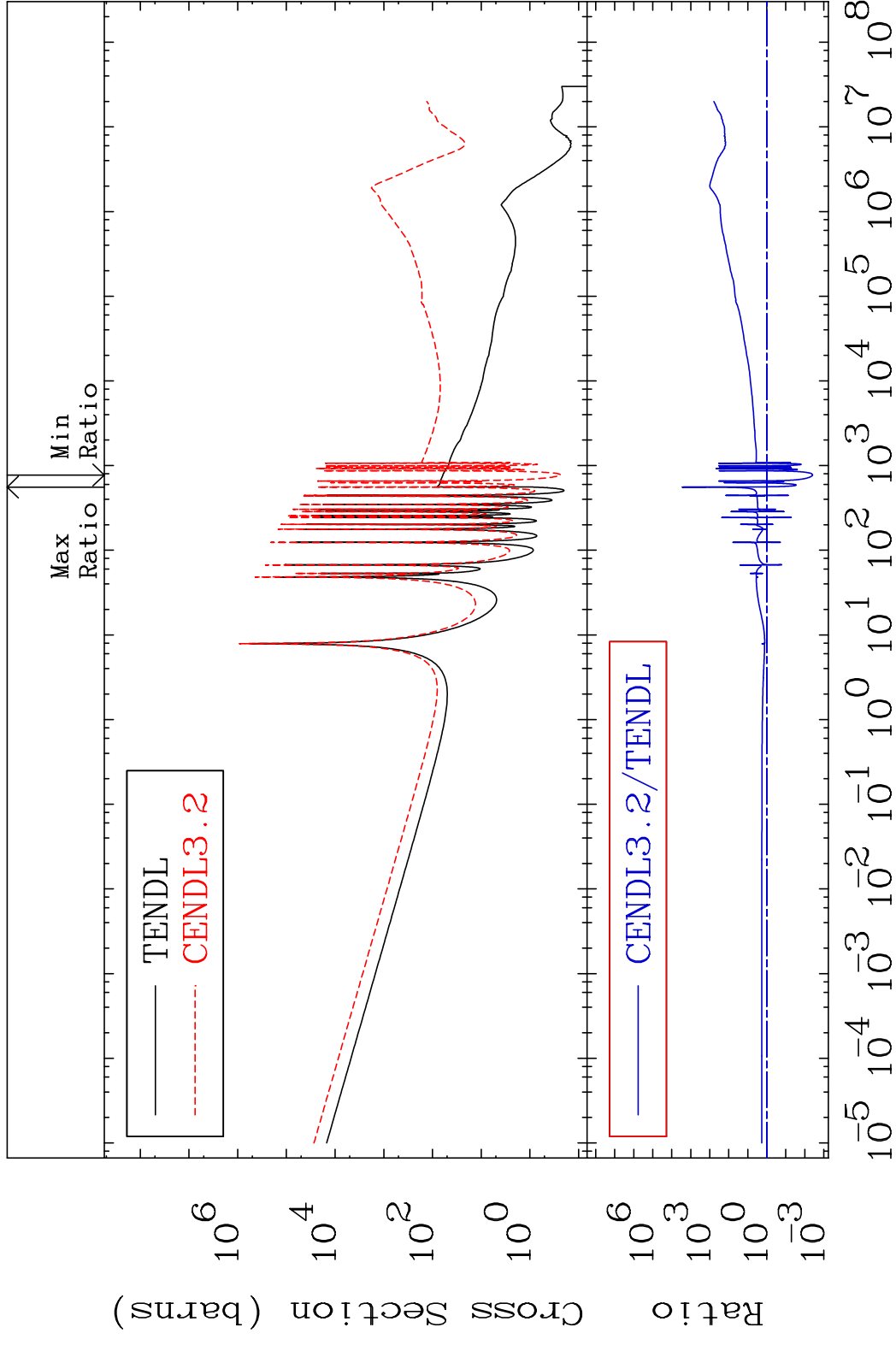
MAT 7231 Kerma inelastic (mt51-91) 72-Hf-176
 Cross Section -104.6 To 194.2 %



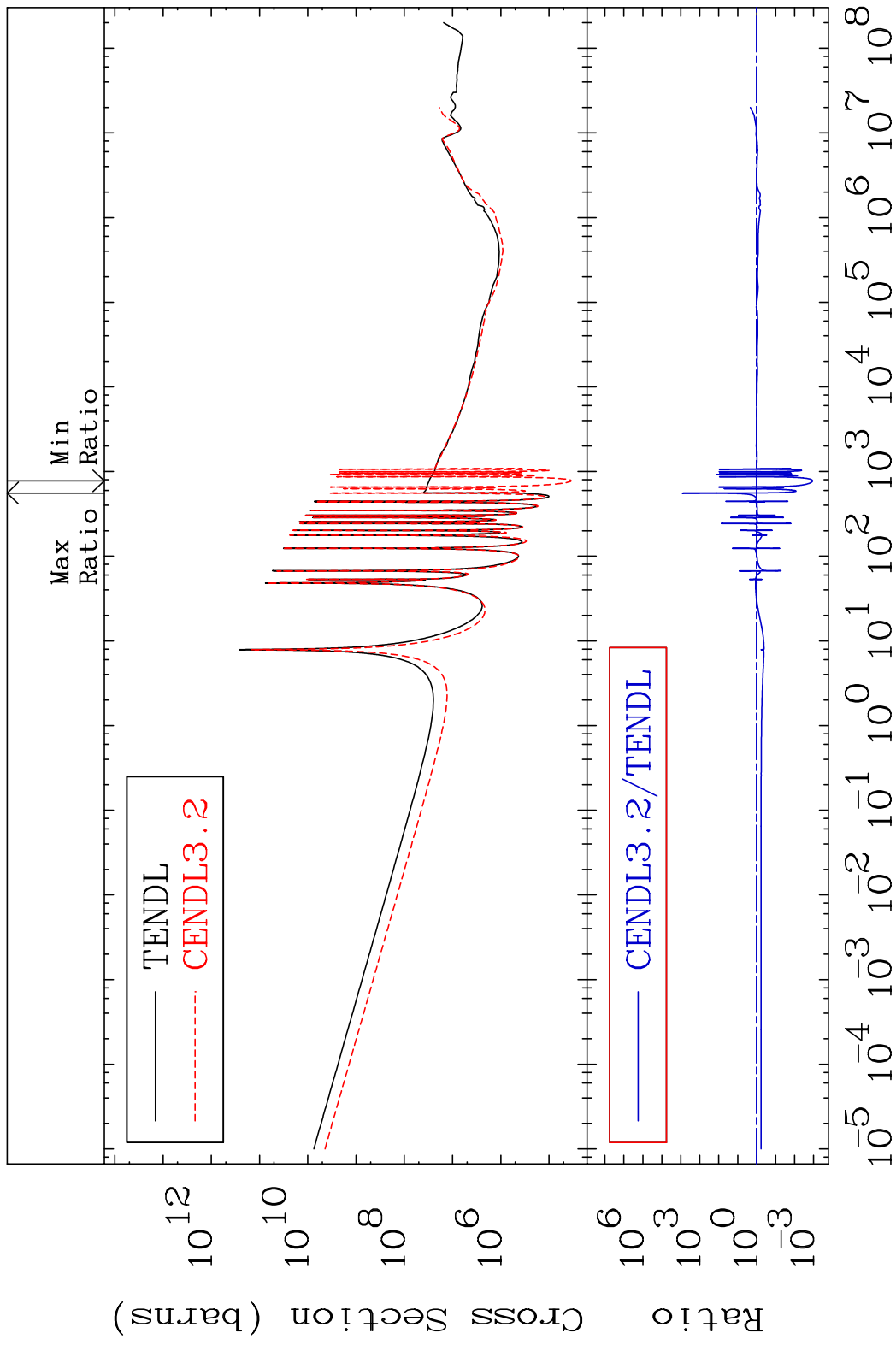
MAT 7231 Kerma fission (mt18 or mt19-20-21-38)72-Hf-176
 Cross Section -104.6 To 194.2 %



MAT 7231 Kerma capture (mt102) 72-Hf-176
 Cross Section -99.61 To 9999. %

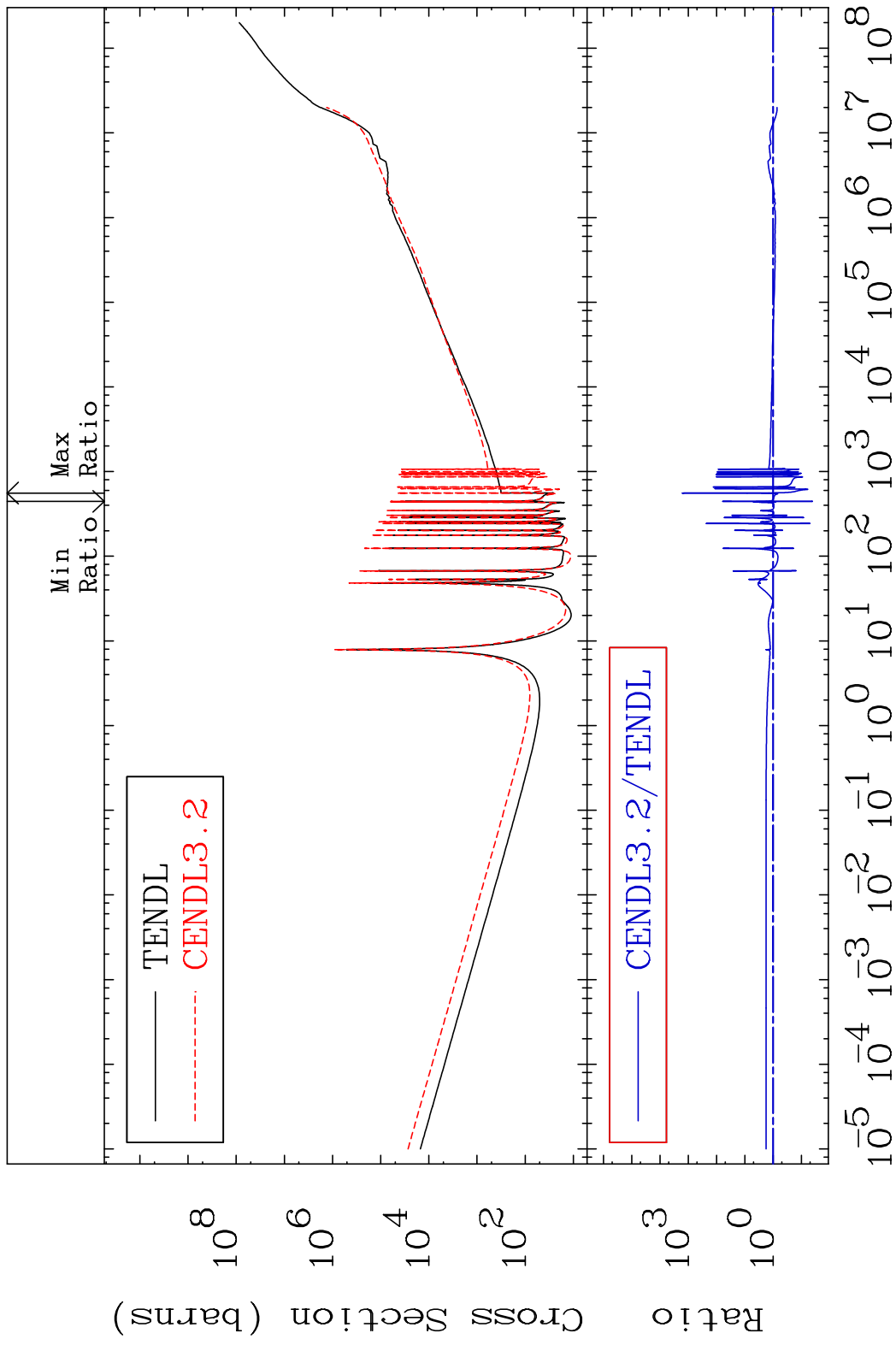


MAT 7231 Total photon (eV-barns) 72-Hf-176
 Cross Section -99.89 To 9999. %

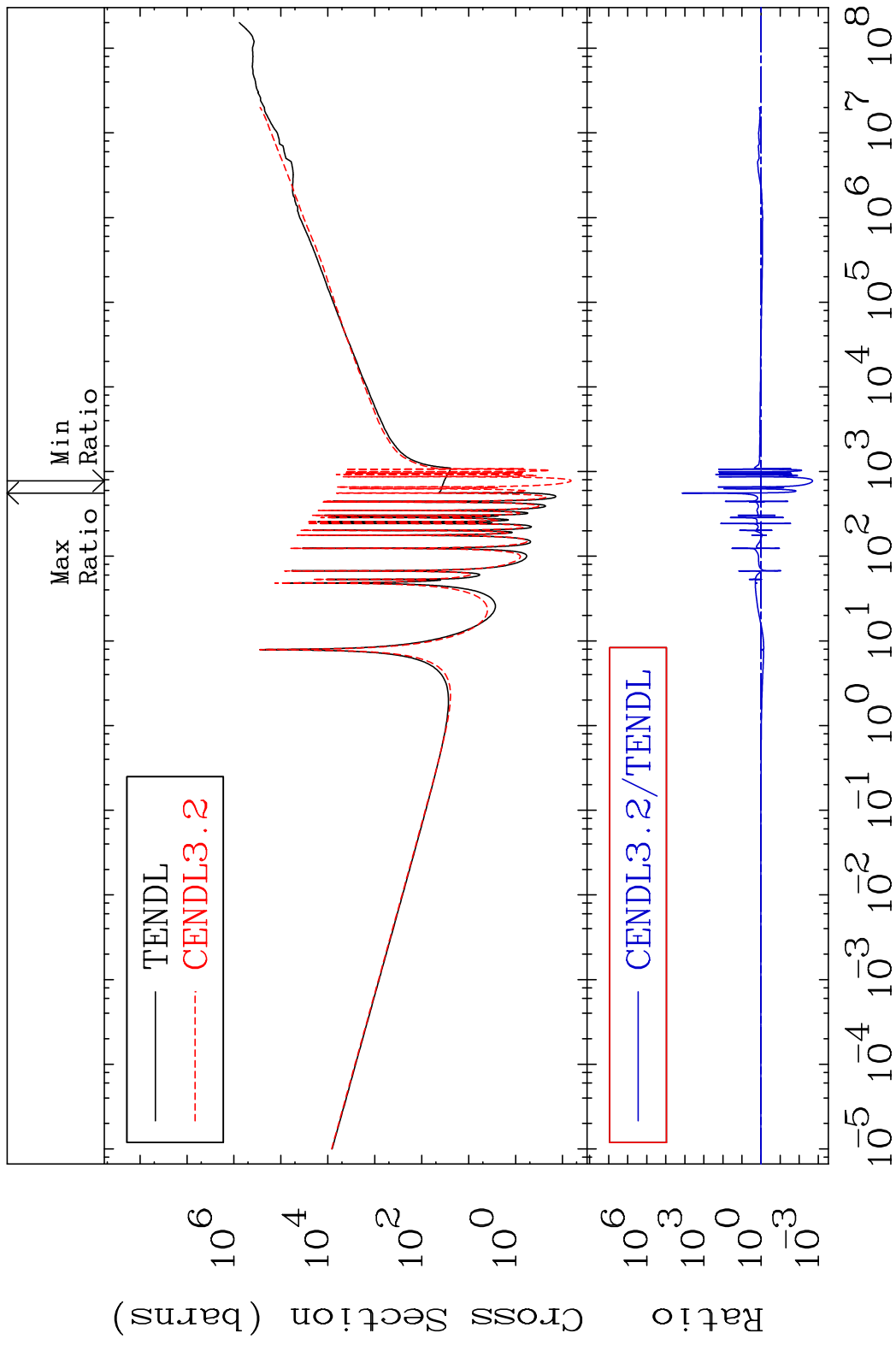


35 Incident Energy (eV) 72-Hf-176

MAT 7231 Total kinematic kerma (high limit) 72-Hf-176
 Cross Section -95.93 To 9999. %



MAT 7231 Dpa total (eV-barns) 72-Hf-176
 Cross Section -99.80 To 9999. %

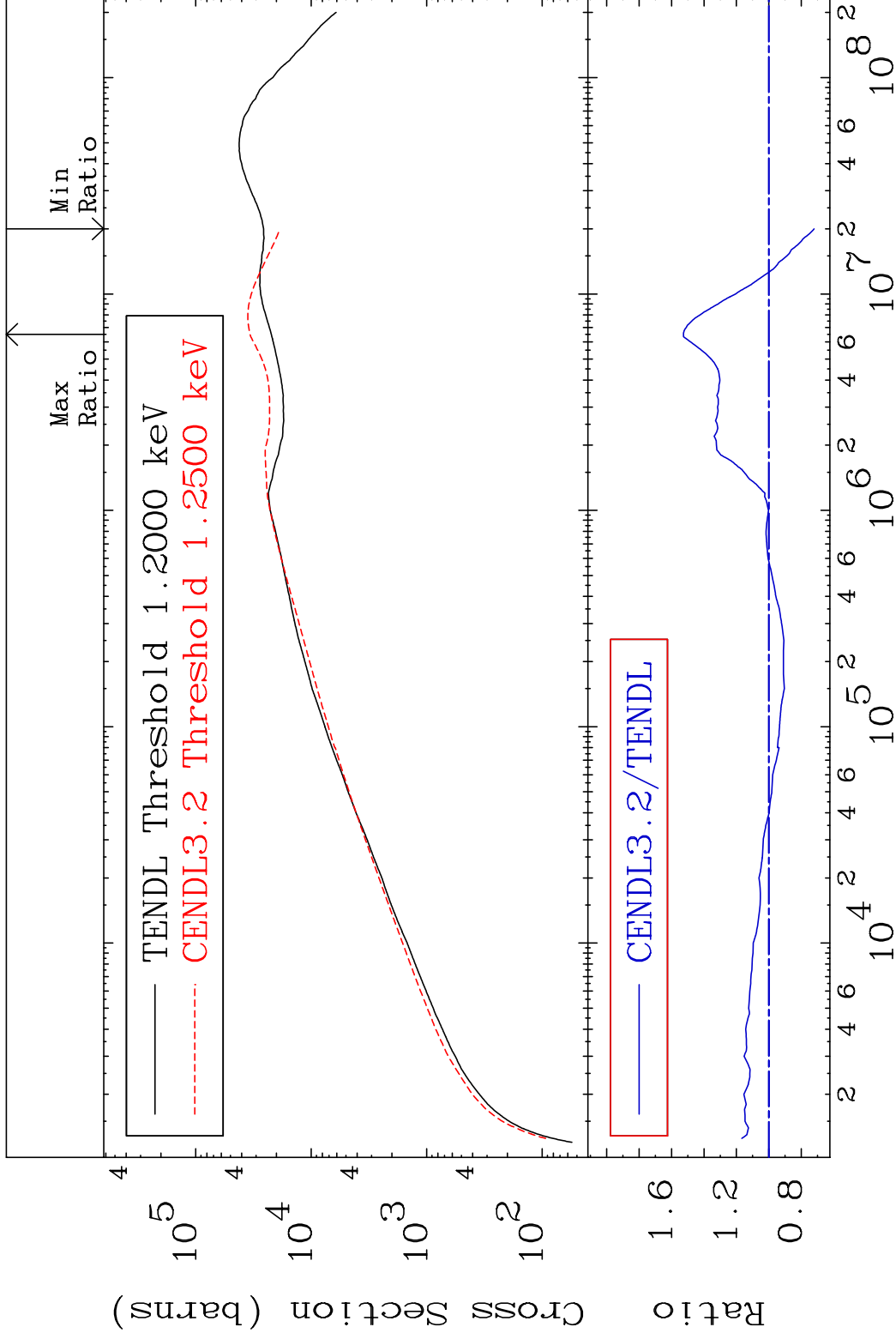


MAT 7231

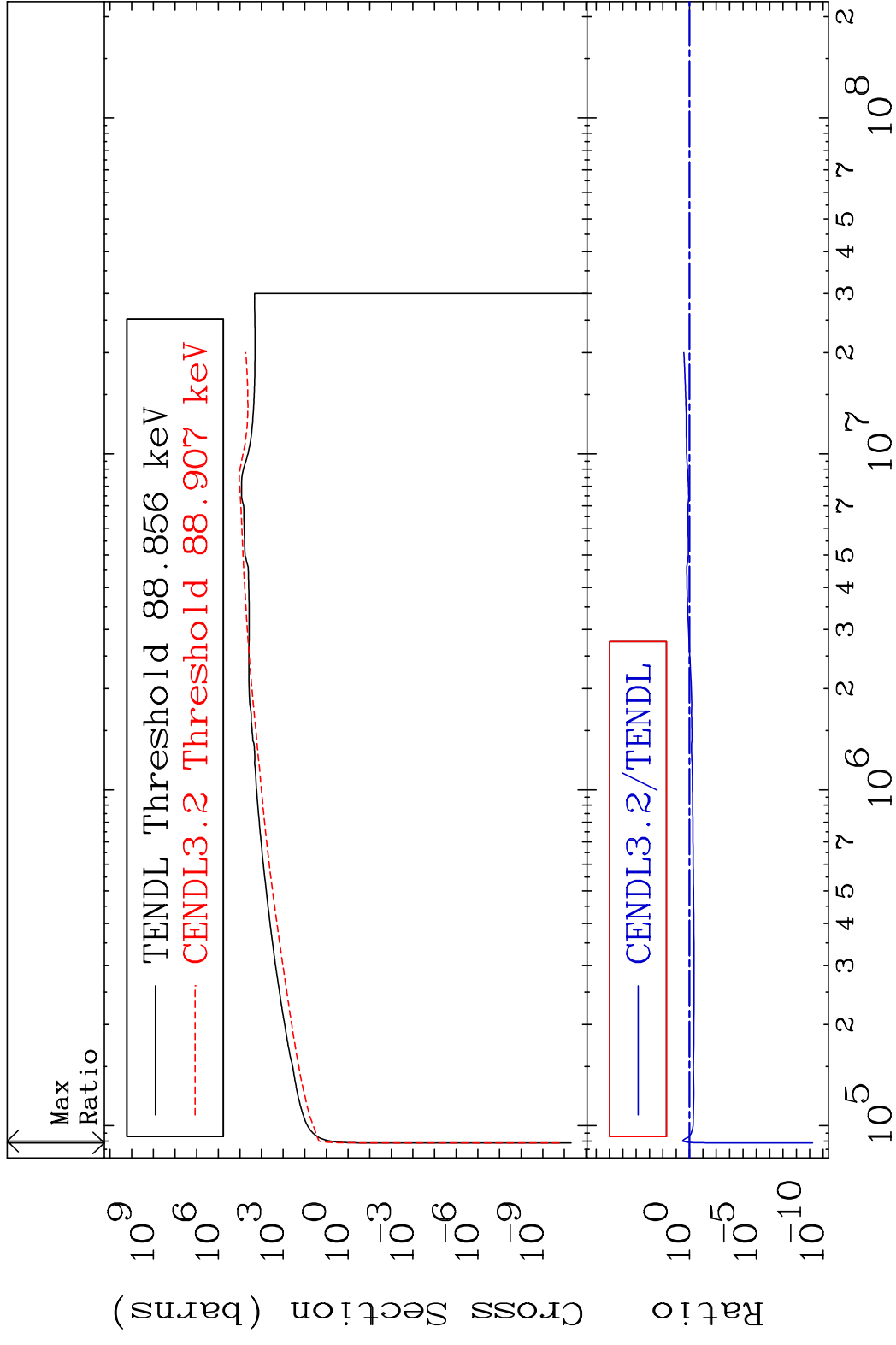
Dpa elastic (mt2)

72-Hf-176

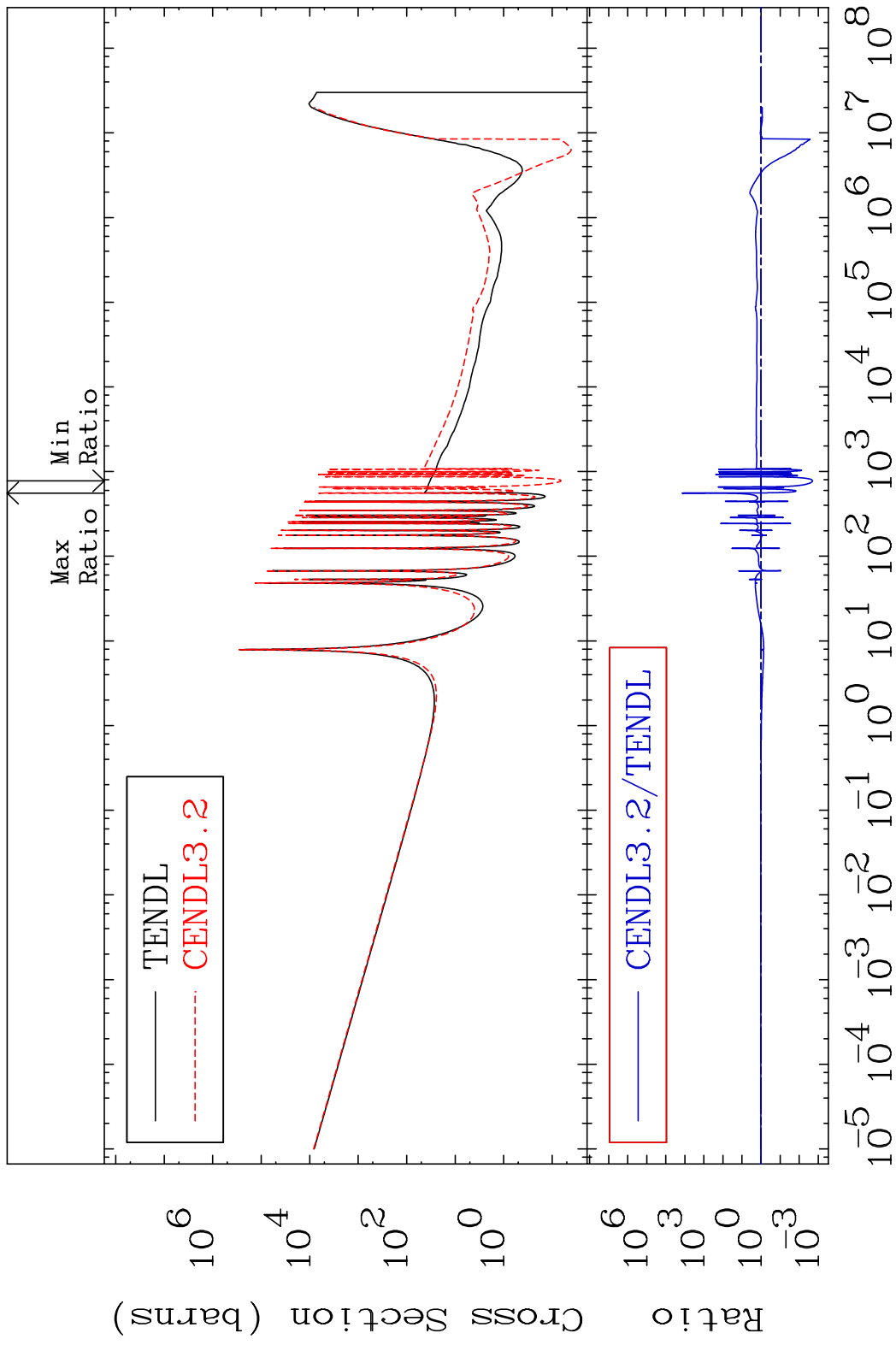
Cross Section -27.87 To 52.67 %



MAT 7231 Dpa inelastic (mt51-91) 72-Hf-176
 Cross Section -100.0 To 245.4 %



MAT 7231 Dpa disappearance (mt102 -120) 72-Hf-176
 Cross Section -99.80 To 9999. %



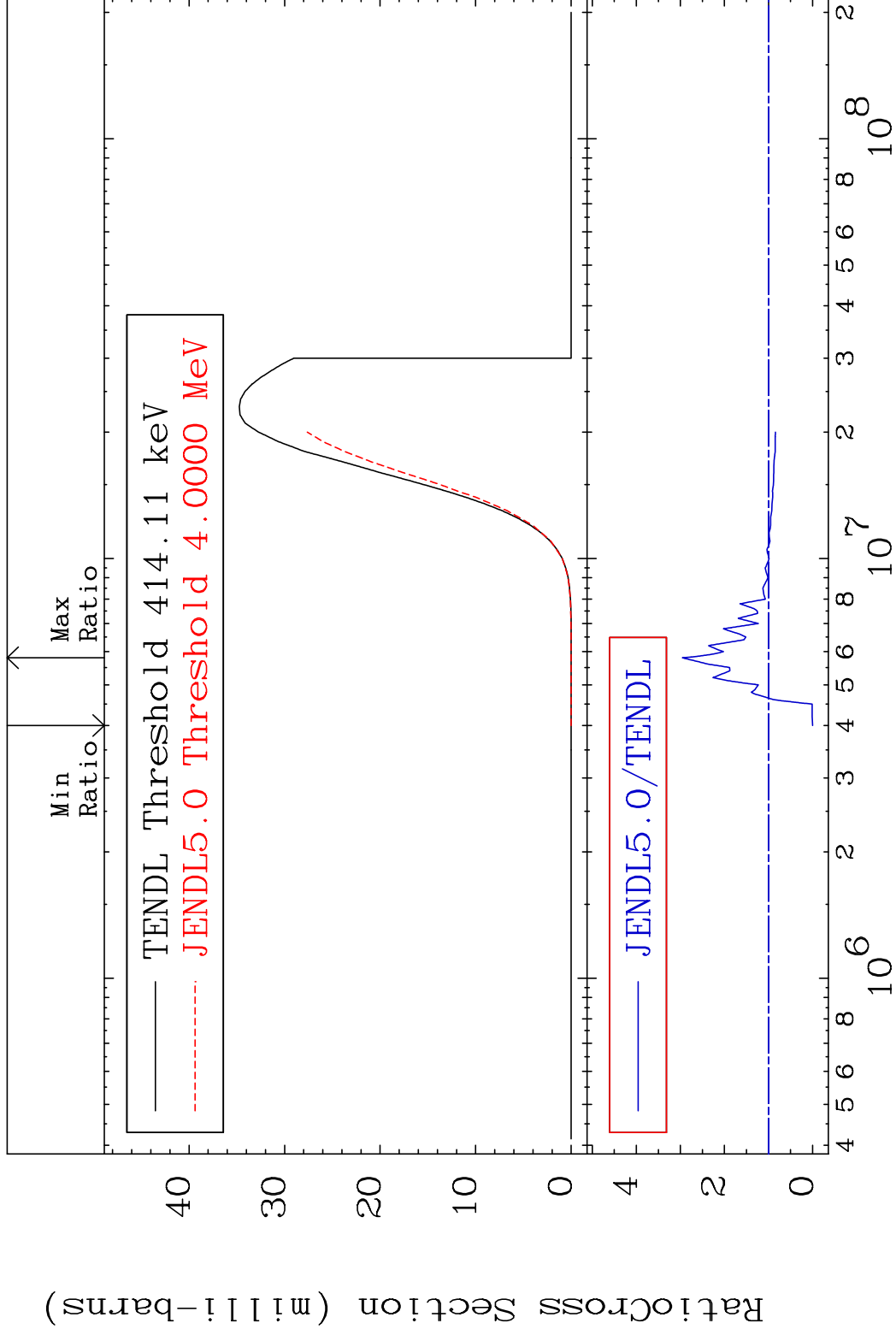
40 Incident Energy (eV) 72-Hf-176

MAT 7231

(n, p)

72-Hf-176

Cross Section -100.0 To 195.5 %



41

Incident Energy (eV)

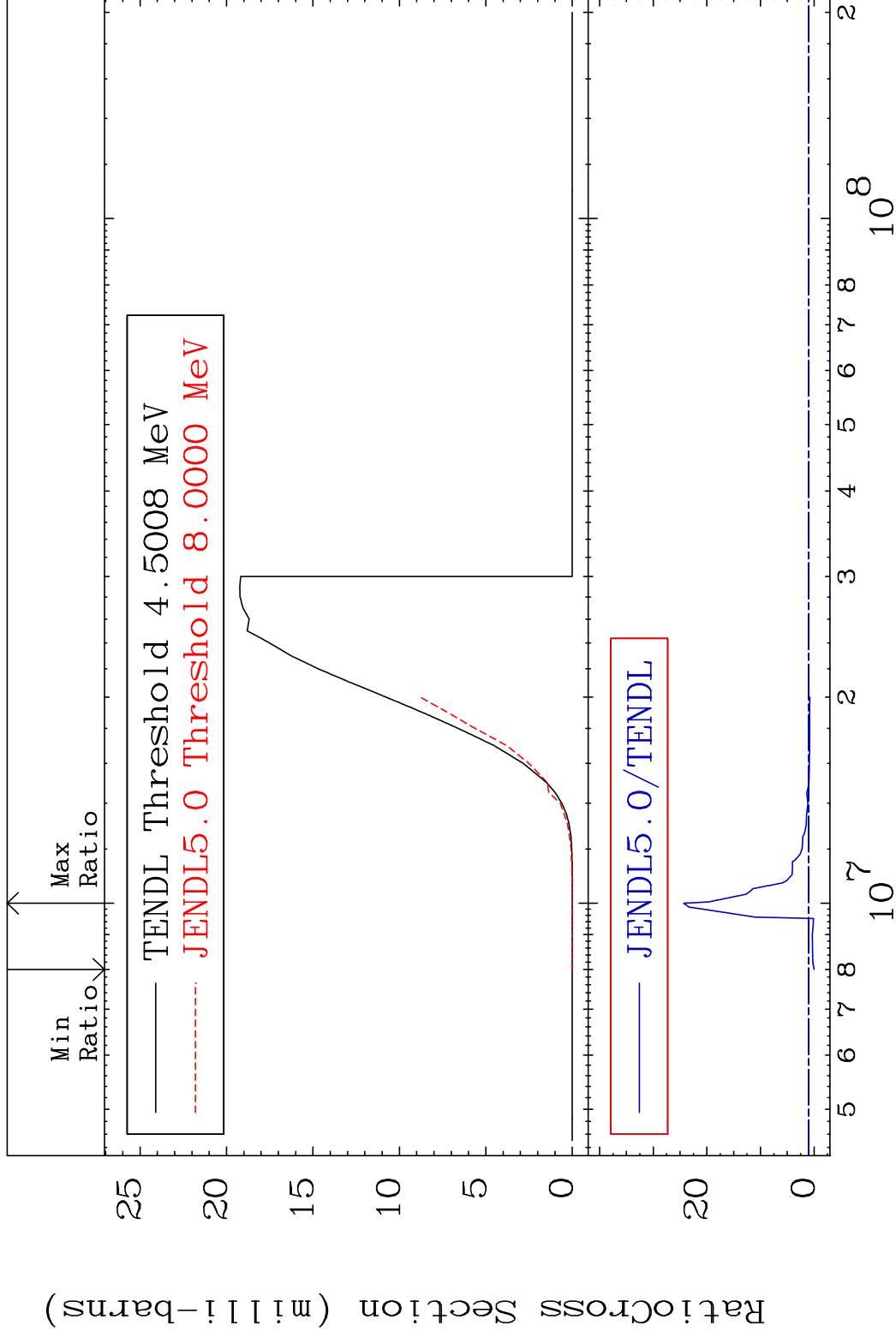
72-Hf-176

MAT 7231

(n,d)

72-Hf-176

Cross Section -100.0 To 2333. %



42

Incident Energy (eV)

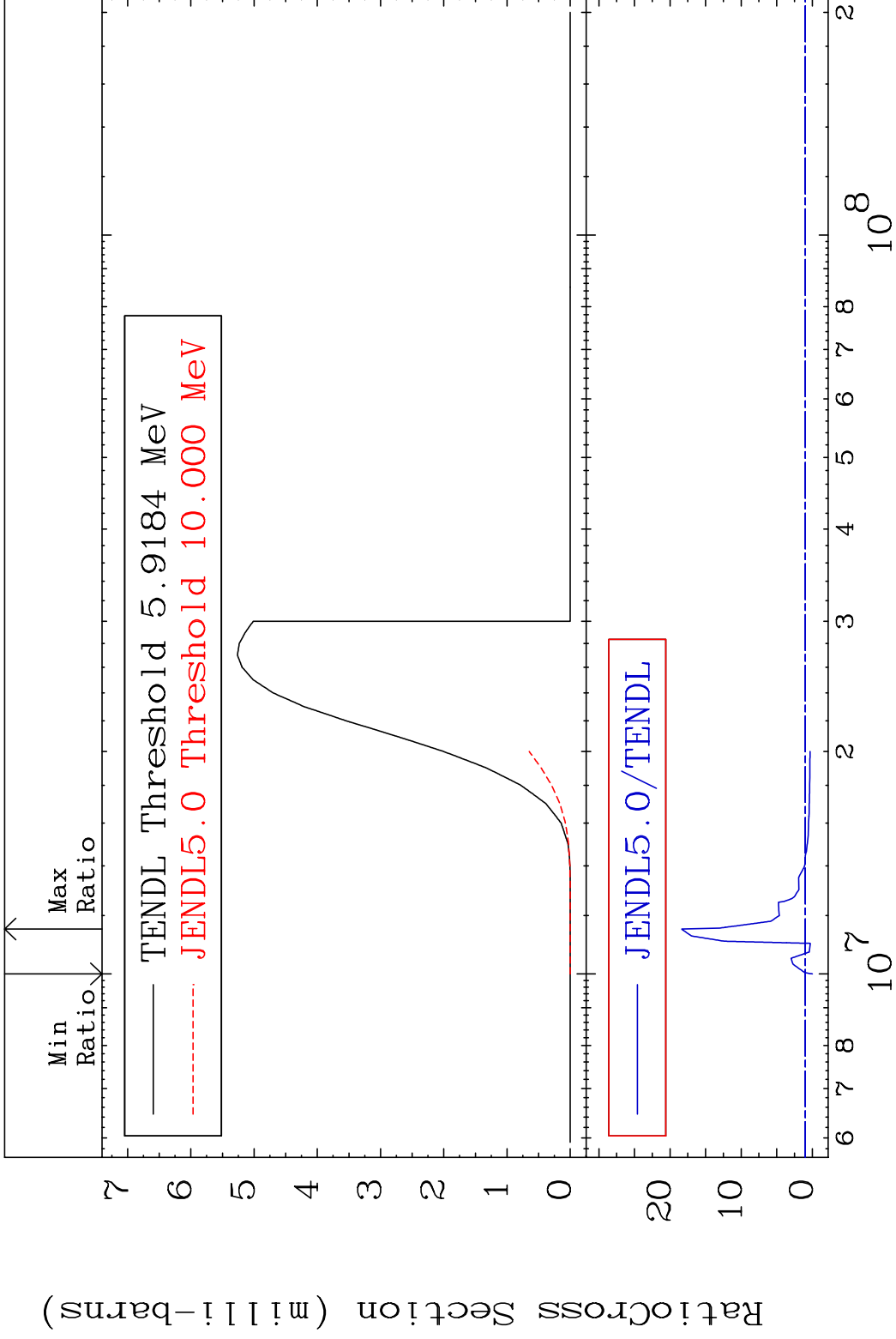
72-Hf-176

MAT 7231

(n, t)

72-Hf-176

Cross Section -100.0 To 1735. %



43

Incident Energy (eV)

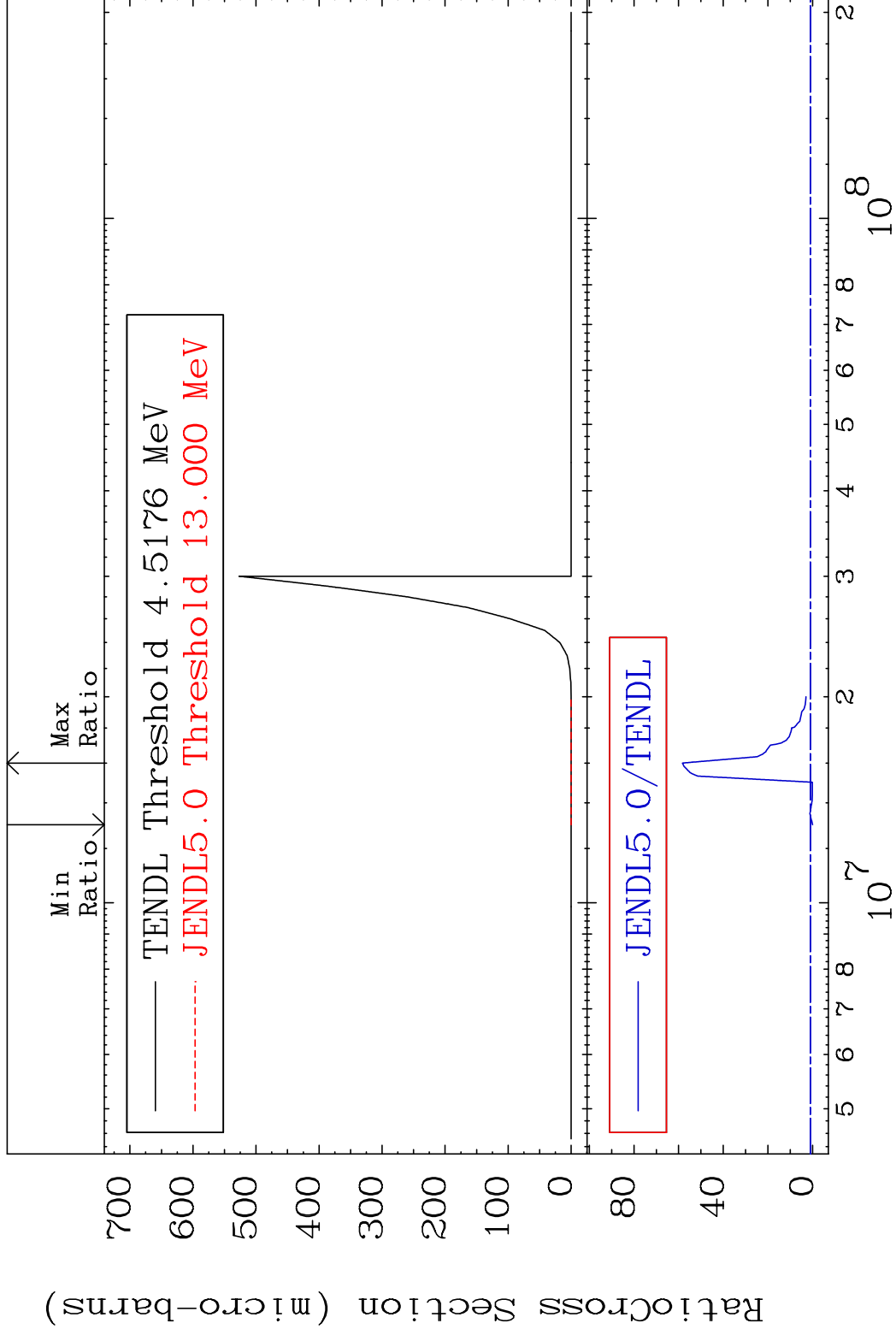
72-Hf-176

MAT 7231

(n, He-3)

72-Hf-176

Cross Section -100.0 To 5732. %



44

Incident Energy (eV)

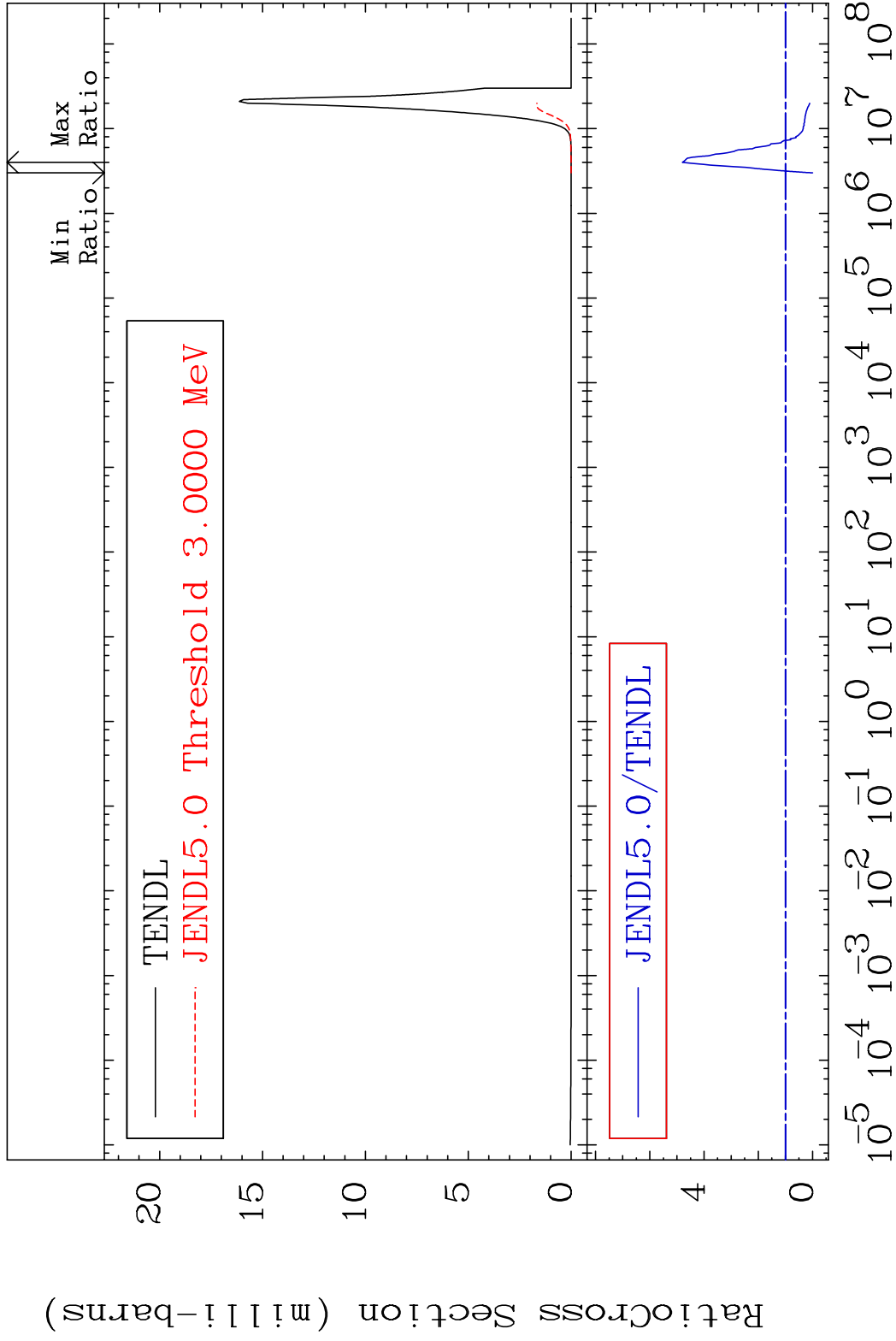
72-Hf-176

MAT 7231

(n, α)

72-Hf-176

Cross Section -100.0 To 380.0 %



45

Incident Energy (eV)

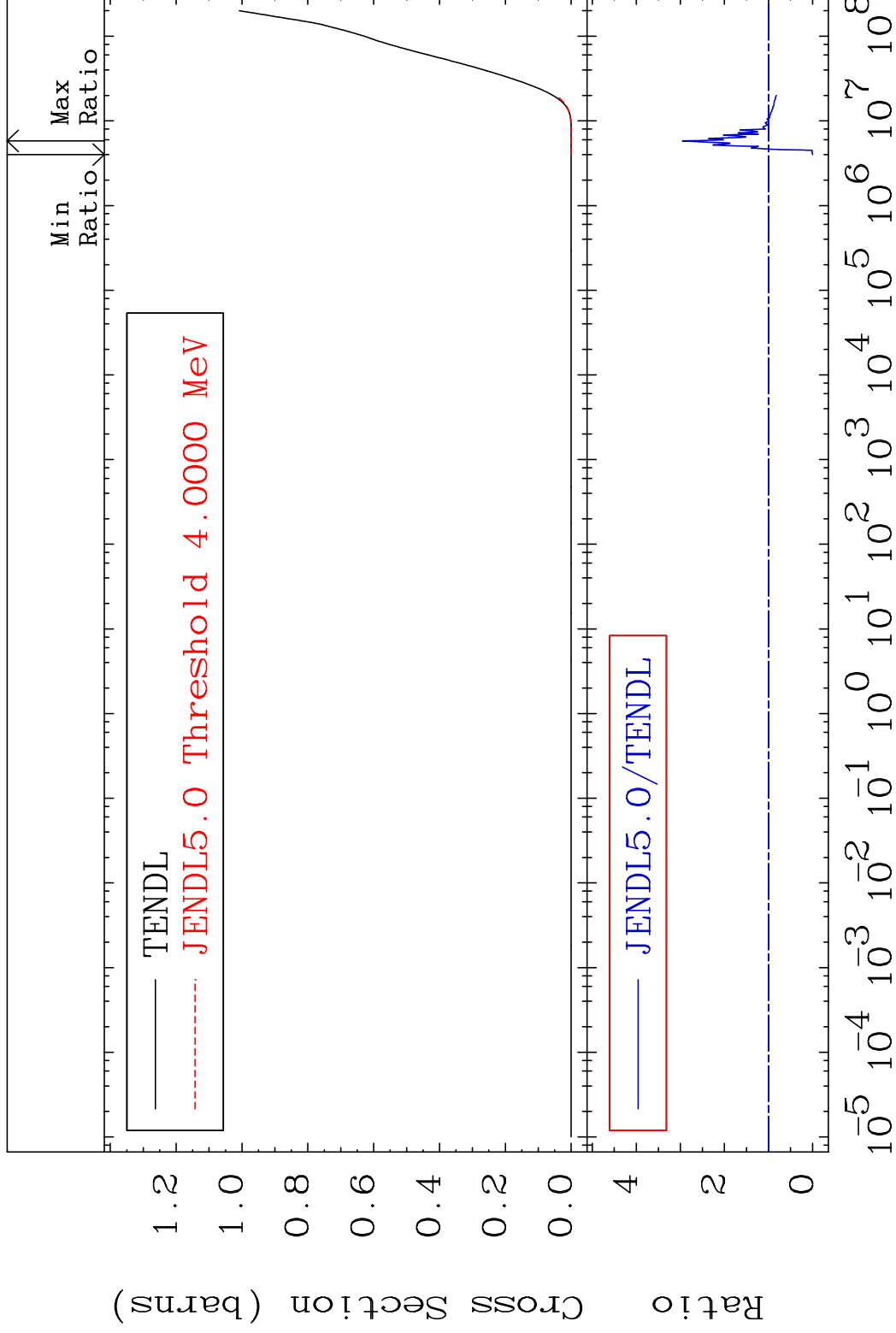
72-Hf-176

MAT 7231

Hydrogen Production

72-Hf-176

Cross Section -100.0 To 195.5 %



46

Incident Energy (eV)

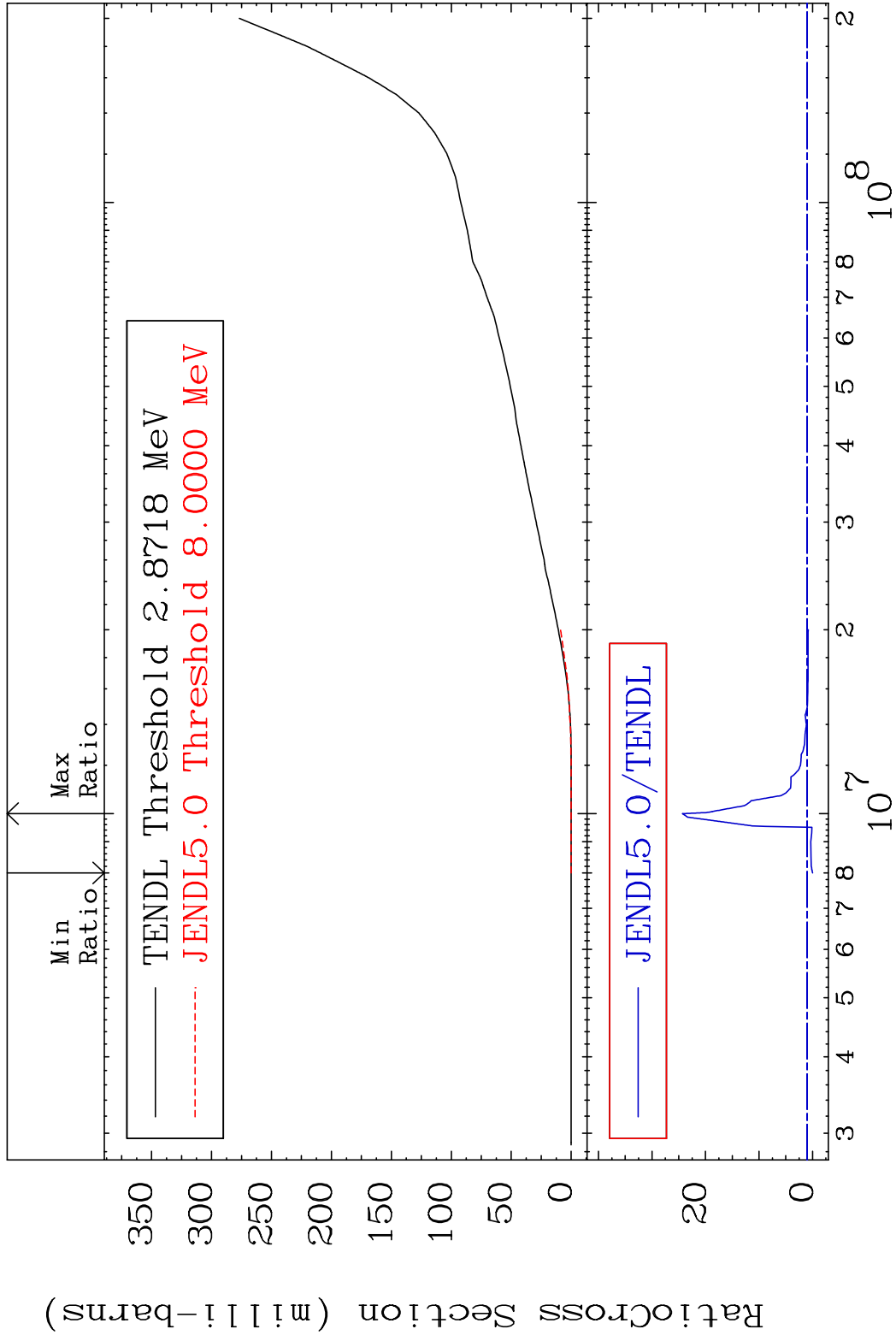
72-Hf-176

MAT 7231

Deuterium Production

72-Hf-176

Cross Section -100.0 To 2333. %



47

Incident Energy (eV)

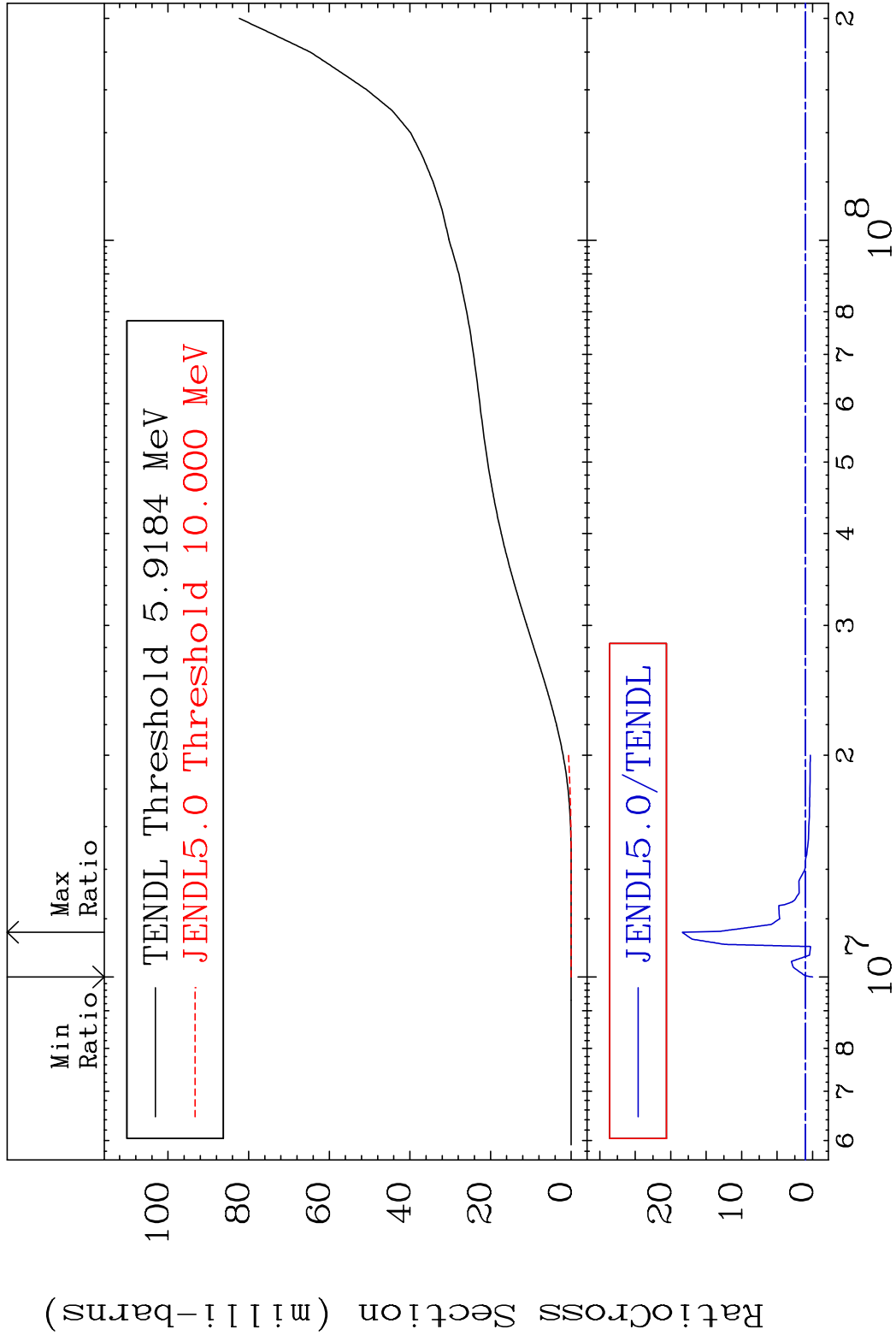
72-Hf-176

MAT 7231

Tritium Production

72-Hf-176

Cross Section -100.0 To 1735. %



48

Incident Energy (eV)

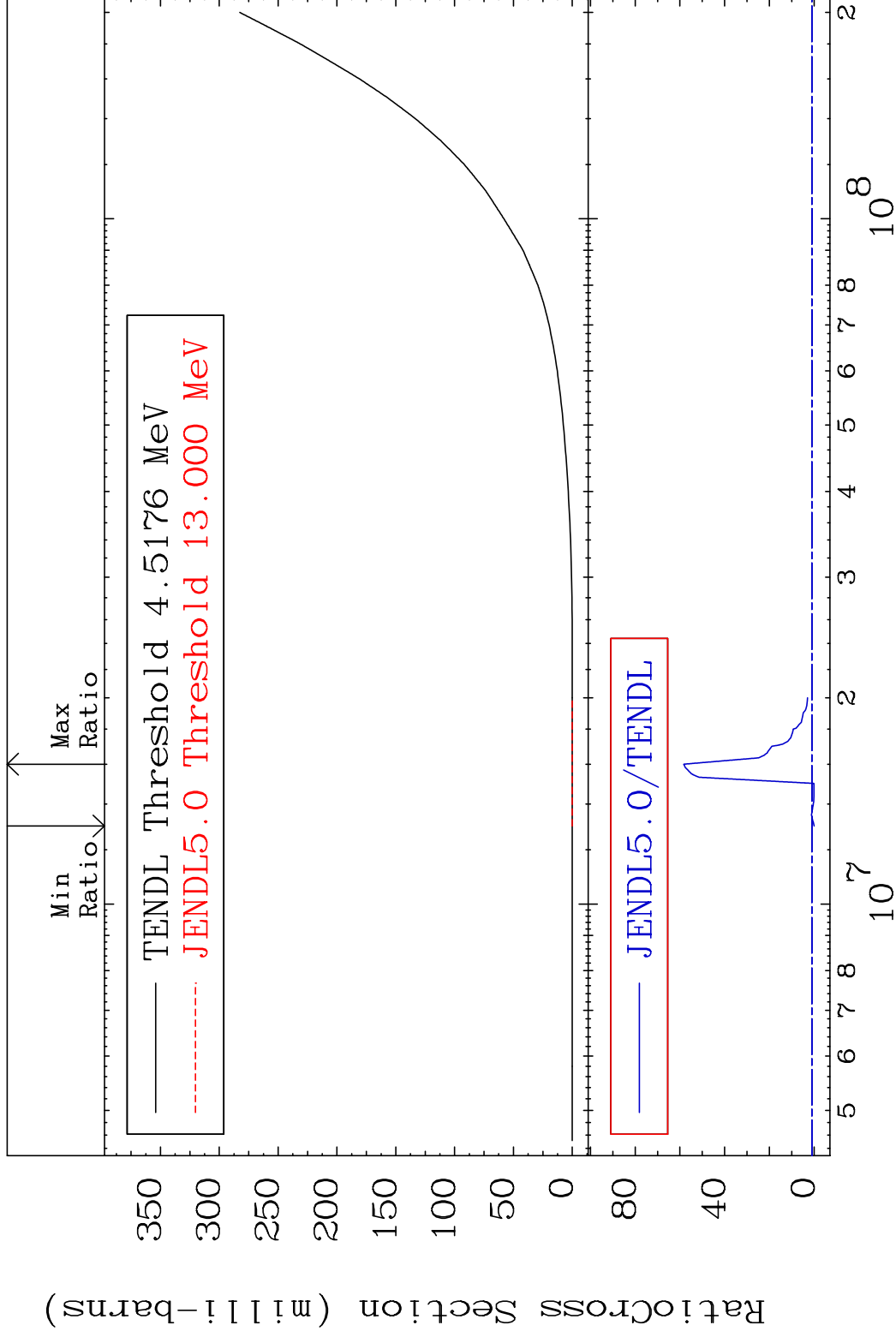
72-Hf-176

MAT 7231

He-3 Production

72-Hf-176

Cross Section -100.0 To 5732. %



49

Incident Energy (eV)

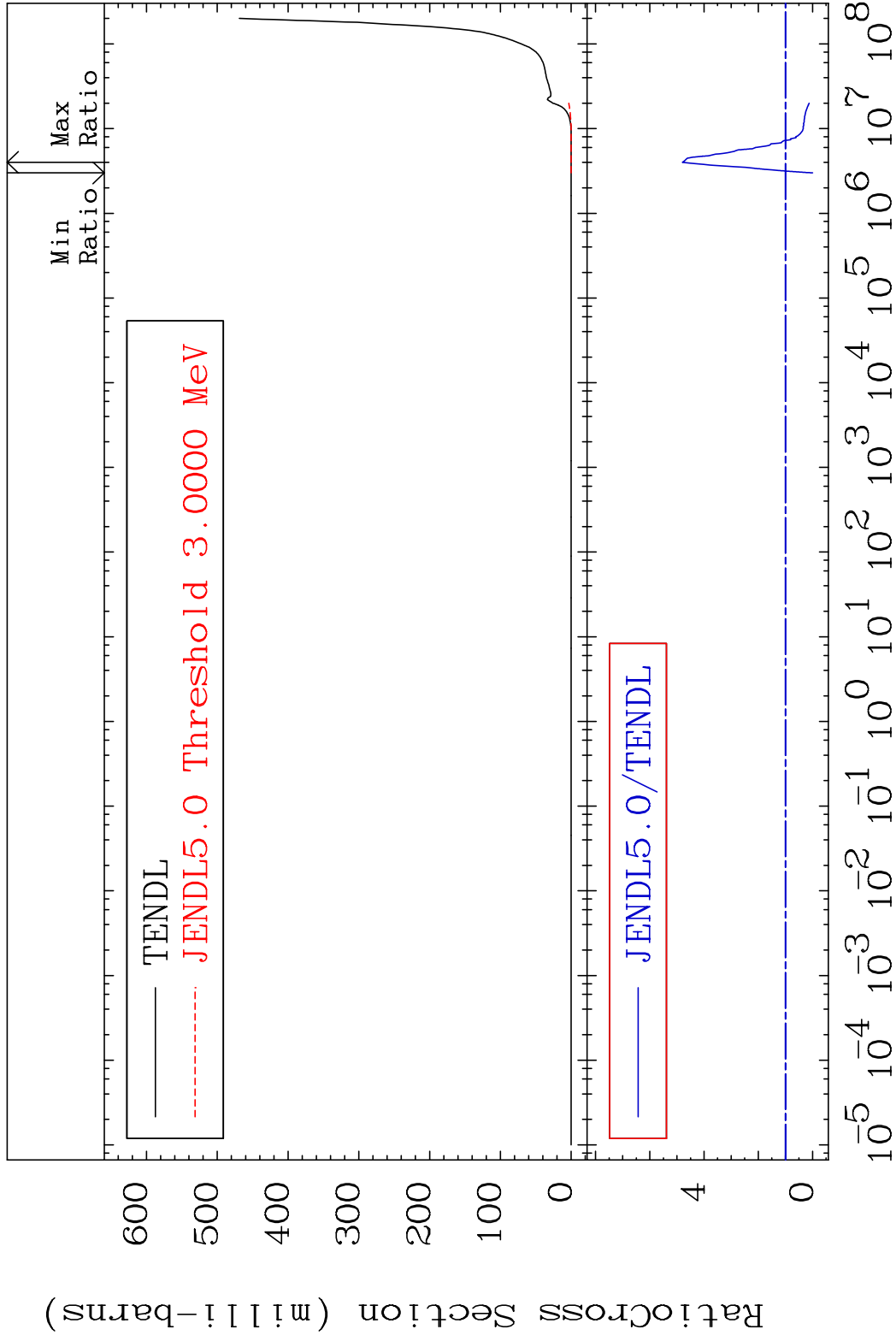
72-Hf-176

MAT 7231

He-4 Production

72-Hf-176

Cross Section -100.0 To 380.0 %

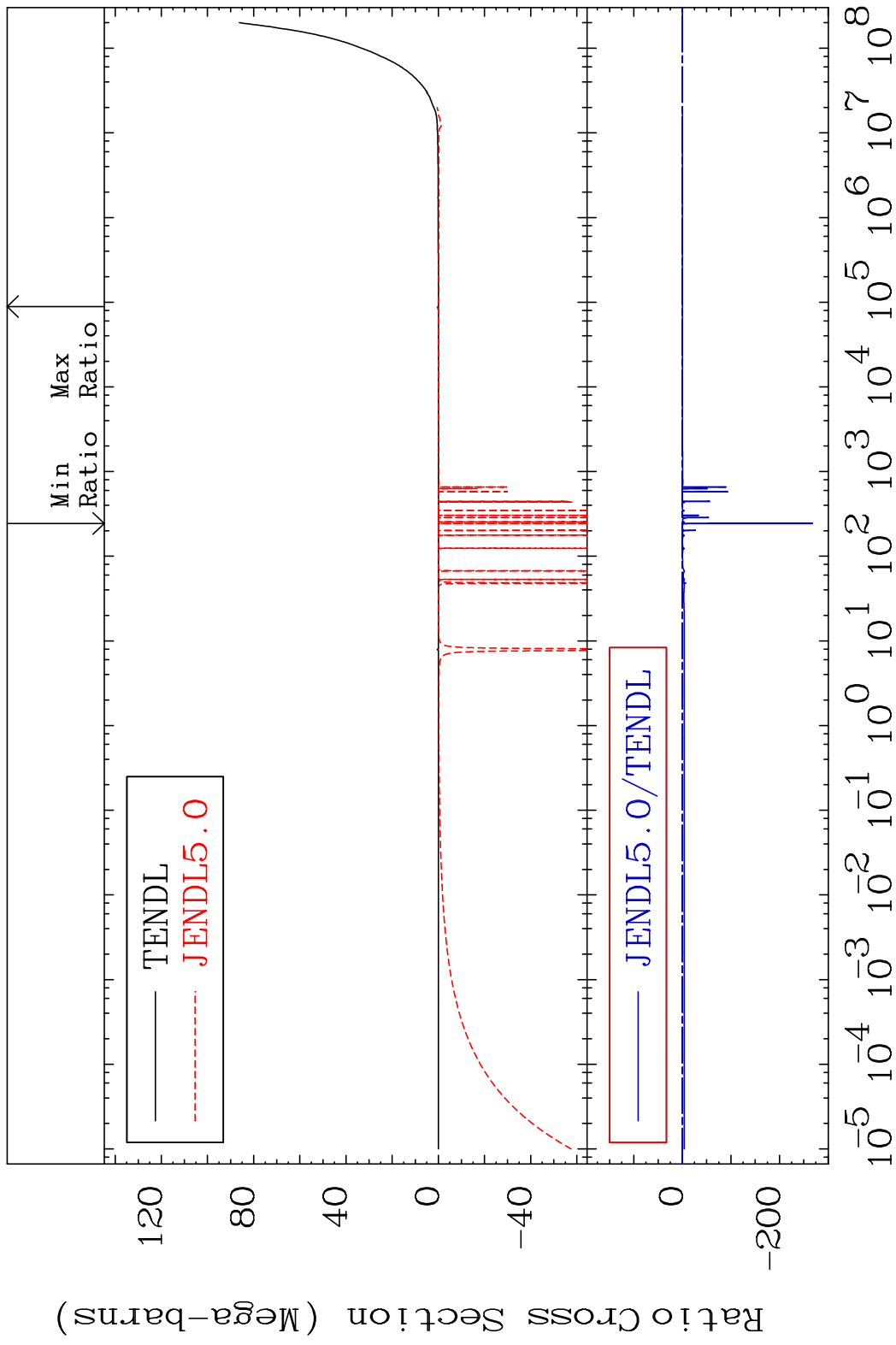


50

Incident Energy (eV)

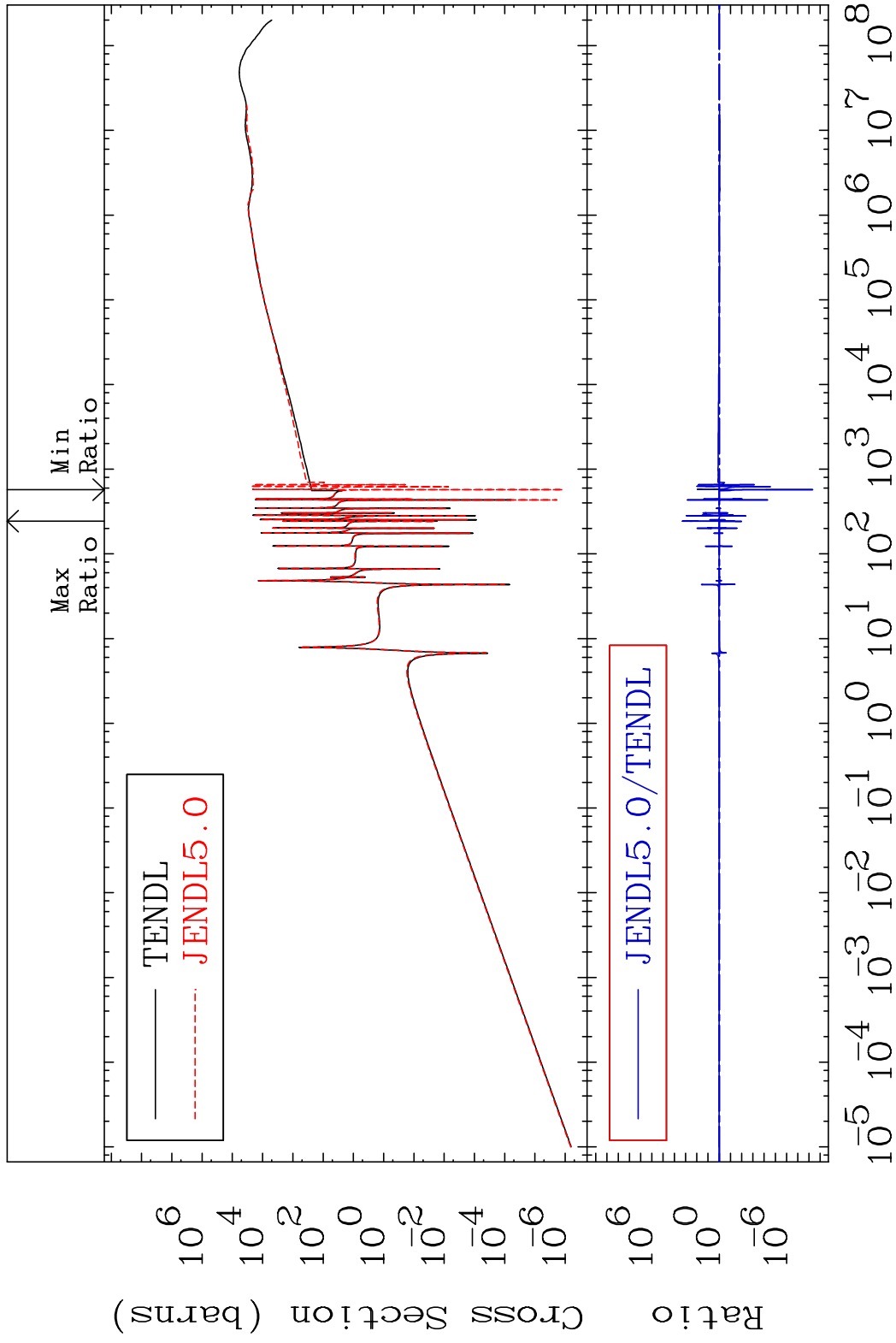
72-Hf-176

MAT 7231 Kerma total (eV-barns) 72-Hf-176
 Cross Section -9999. To 5614. %

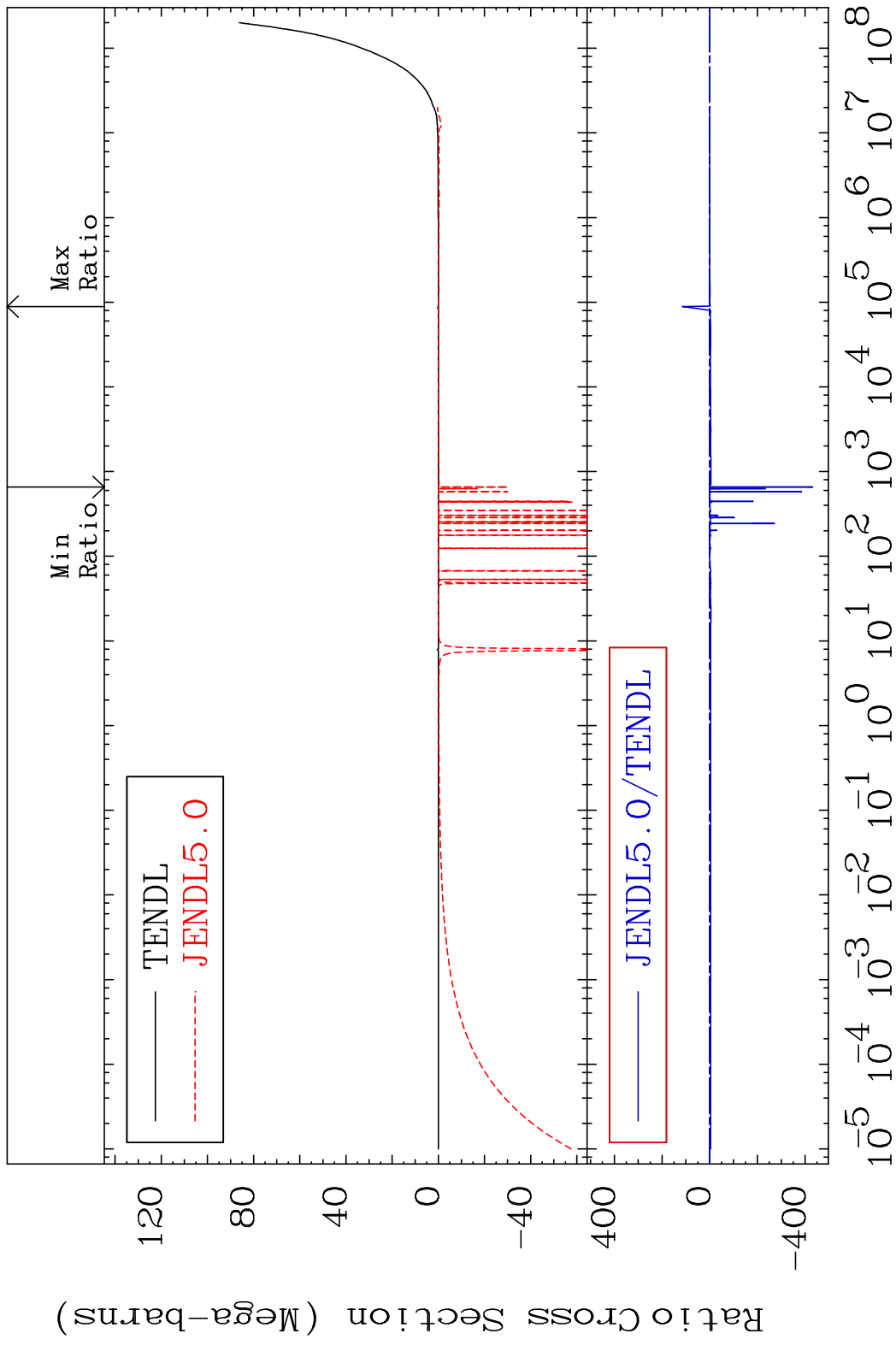


MAT 7231

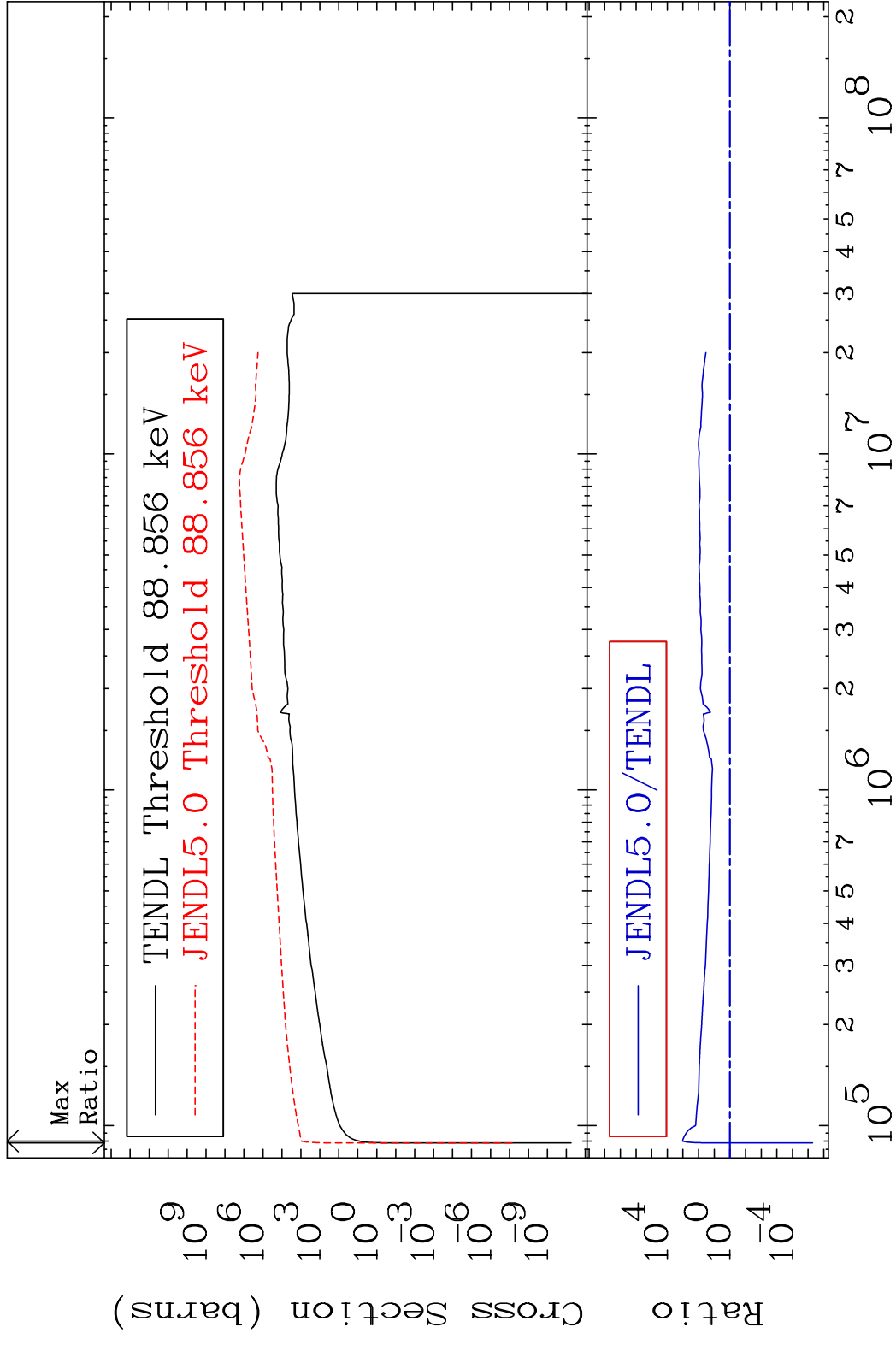
Kerma elastic Cross Section -100.0 To 9999. %
72-Hf-176



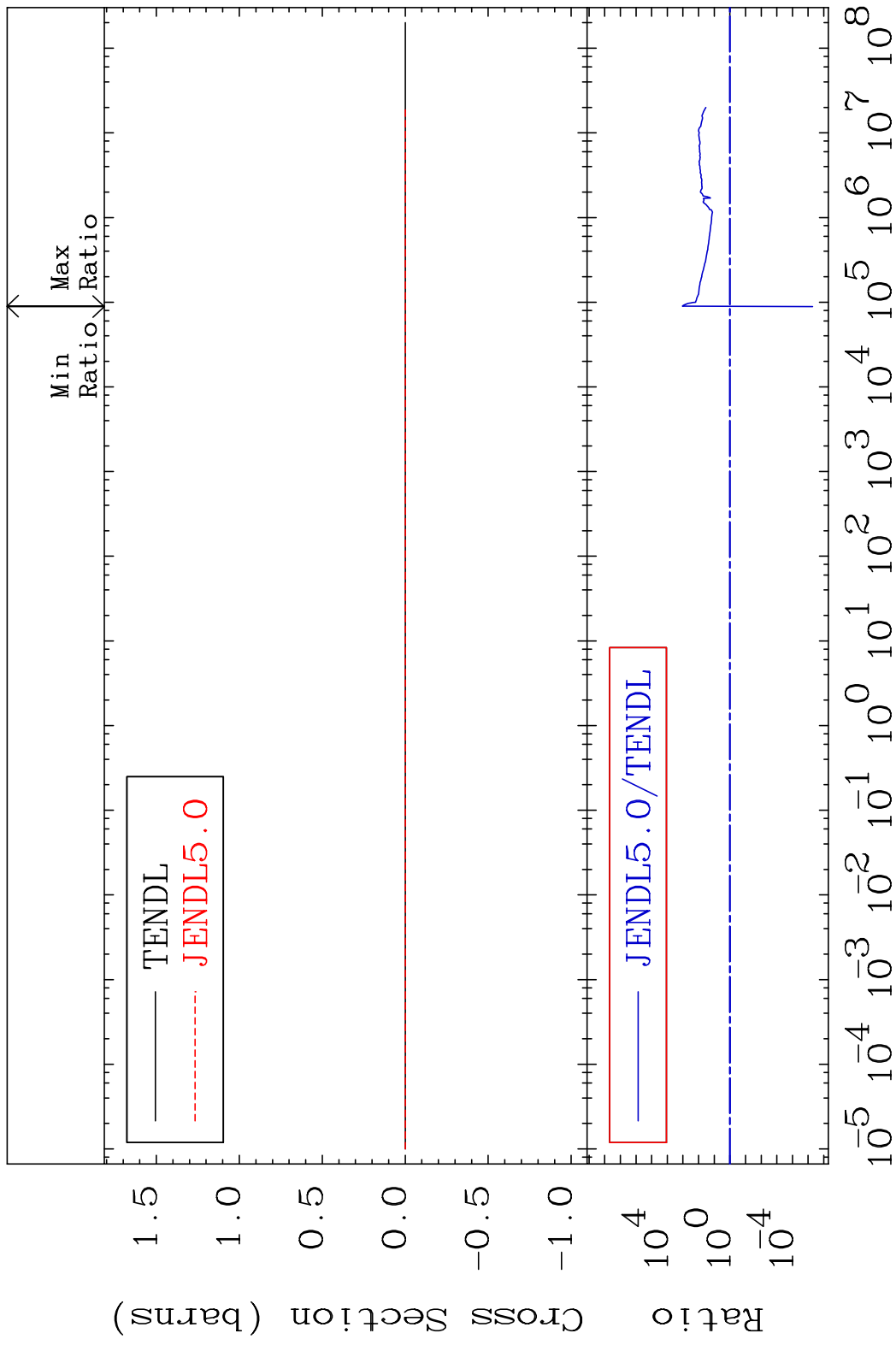
MAT 7231 Kerma non-elastic (all but mt2) 72-Hf-176
 Cross Section -9999. To 9999. %

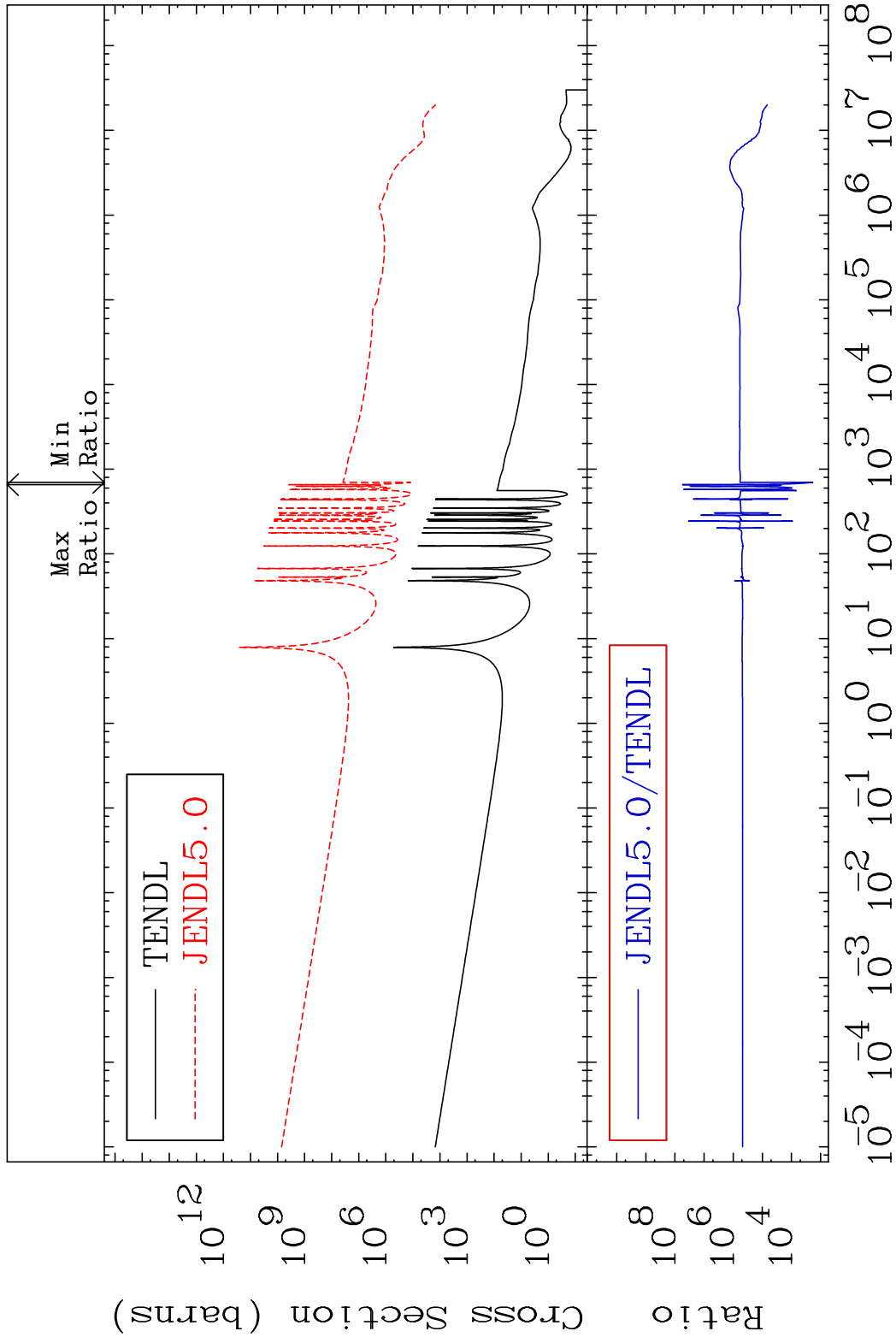


MAT 7231 Kerma inelastic (mt51-91) 72-Hf-176
 Cross Section -100.0 To 9999. %

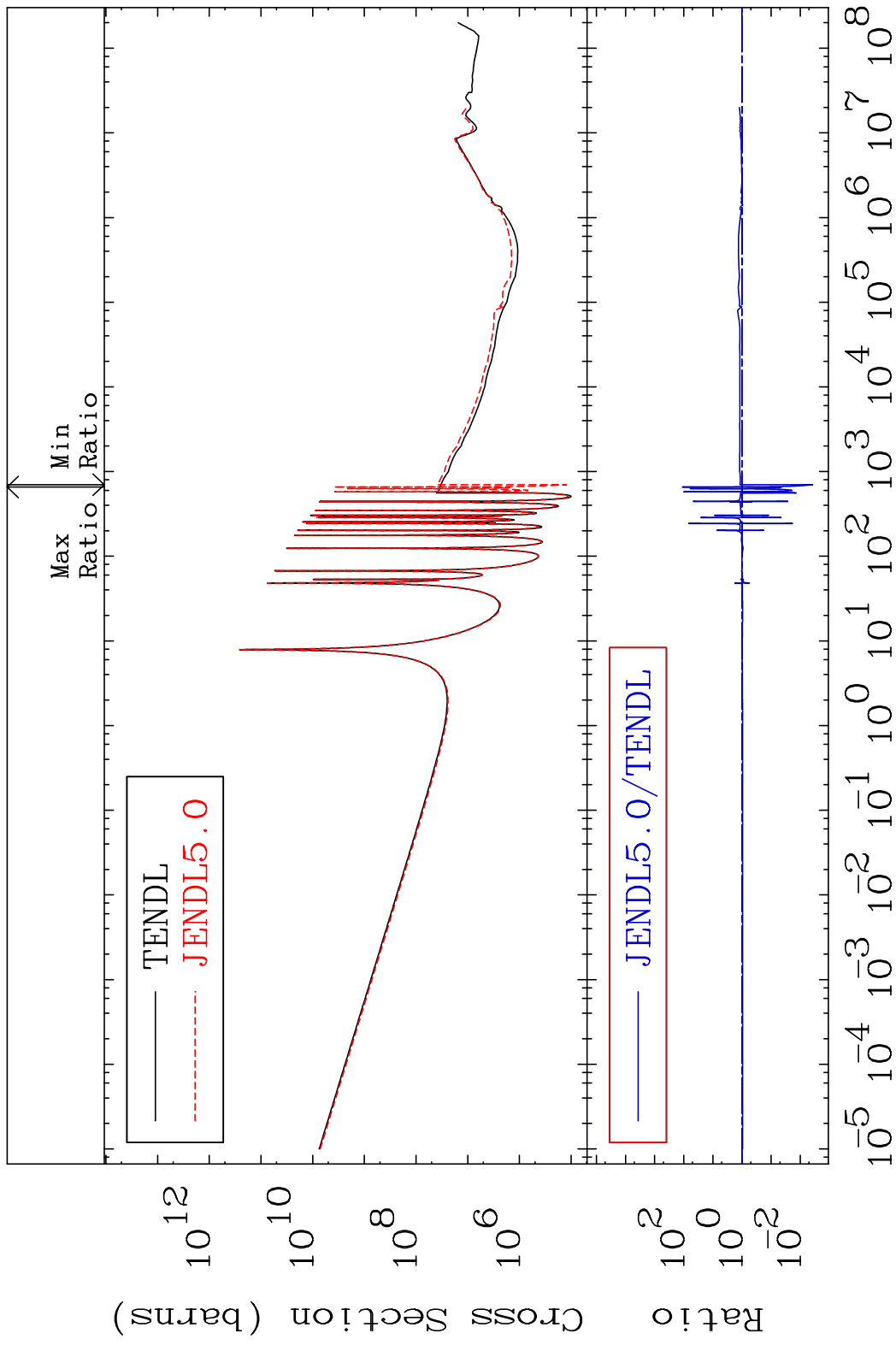


MAT 7231 Kerma fission (mt18 or mt19-20-21-38)72-Hf-176
 Cross Section -100.0 To 9999. %



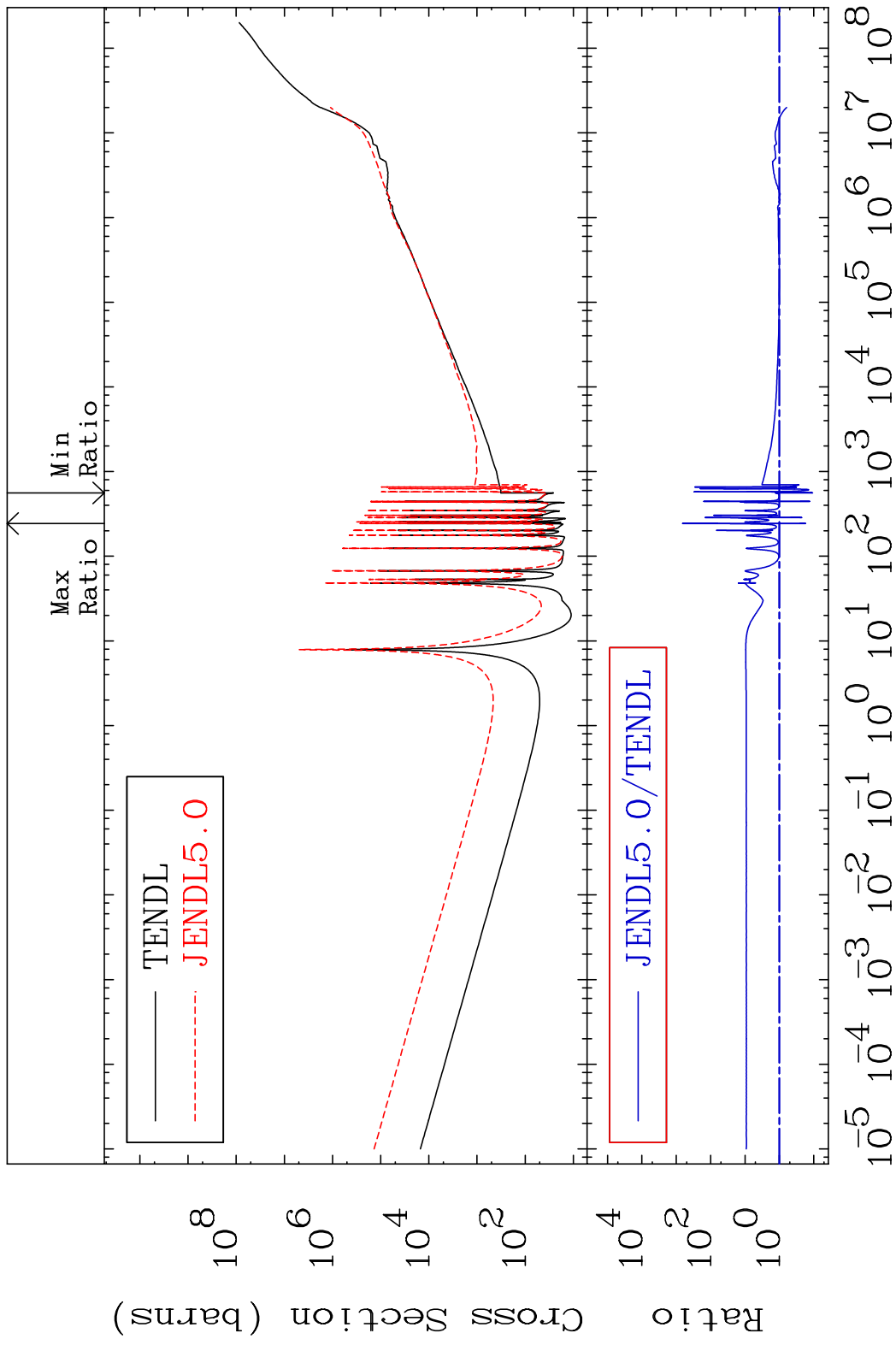


MAT 7231 Total photon (eV-barns) 72-Hf-176
 Cross Section -99.62 To 9999. %



57 Incident Energy (eV) 72-Hf-176

MAT 7231 Total kinematic kerma (high limit) 72-Hf-176
 Cross Section -89.18 To 9999. %

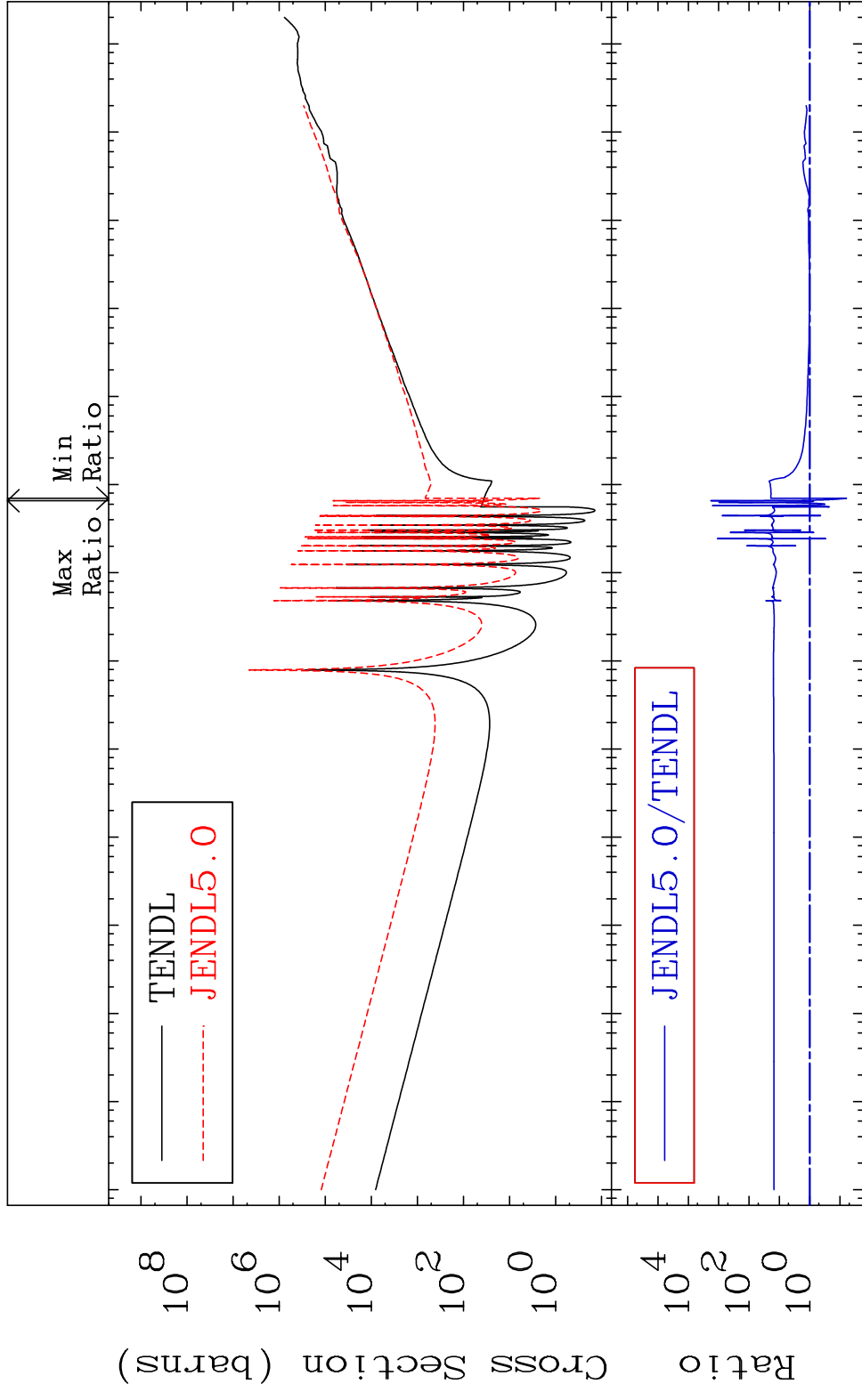


MAT 7231

Dpa total (eV-barns)

72-Hf-176

Cross Section -93.80 To 9999. %



59

Incident Energy (eV)

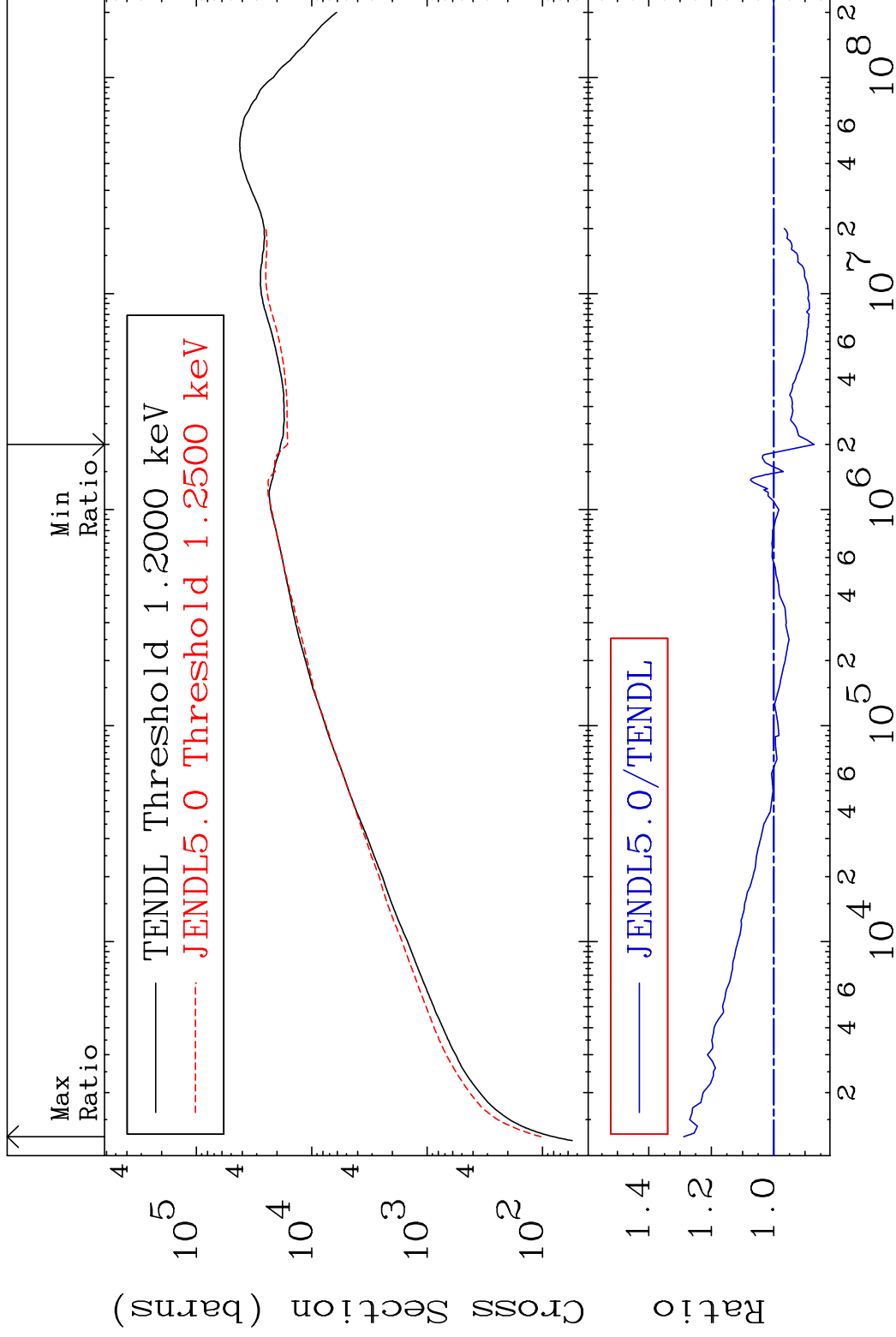
72-Hf-176

MAT 7231

Dpa elastic (mt2)

72-Hf-176

Cross Section -12.89 To 28.84 %

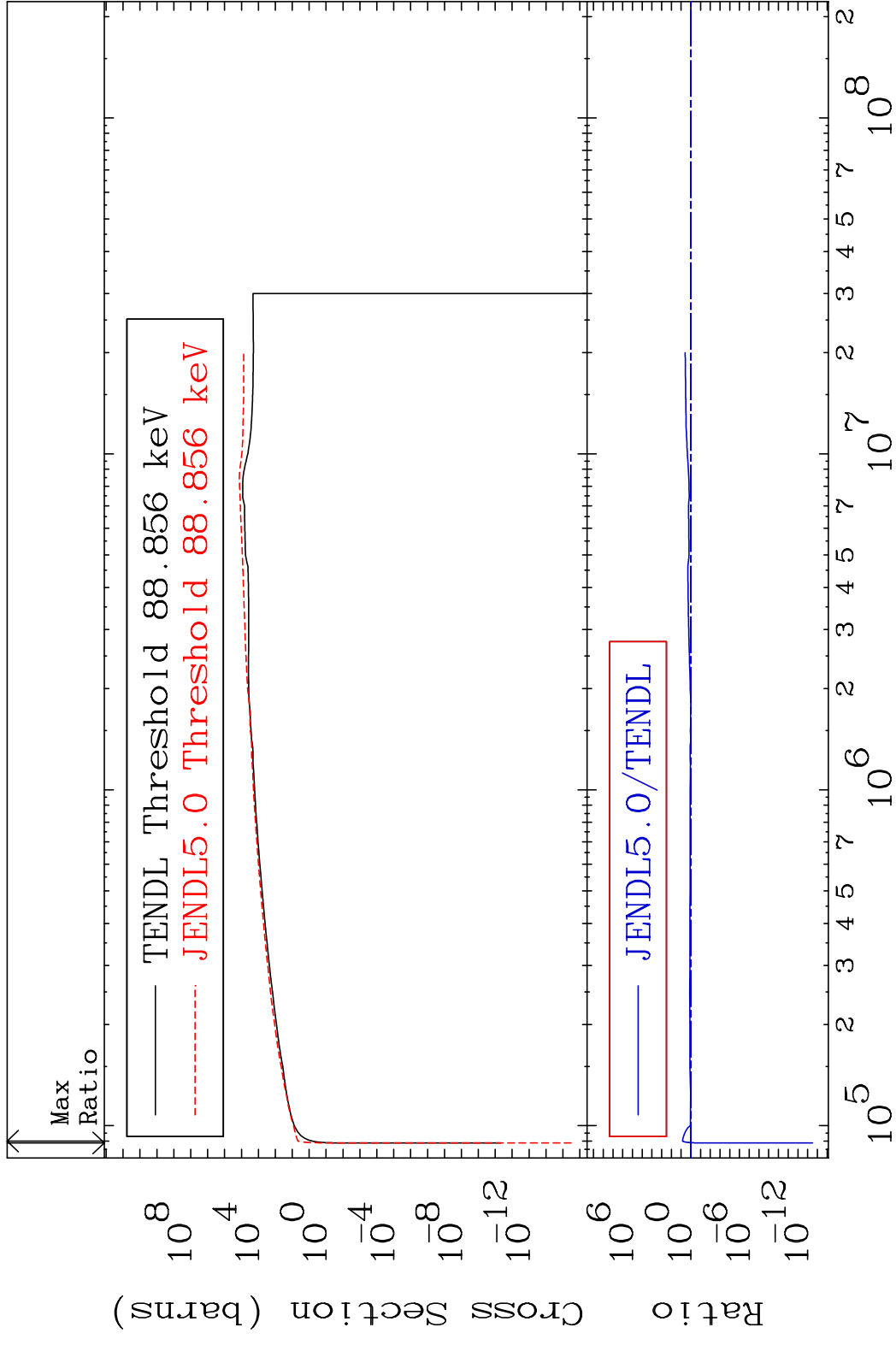


60

Incident Energy (eV)

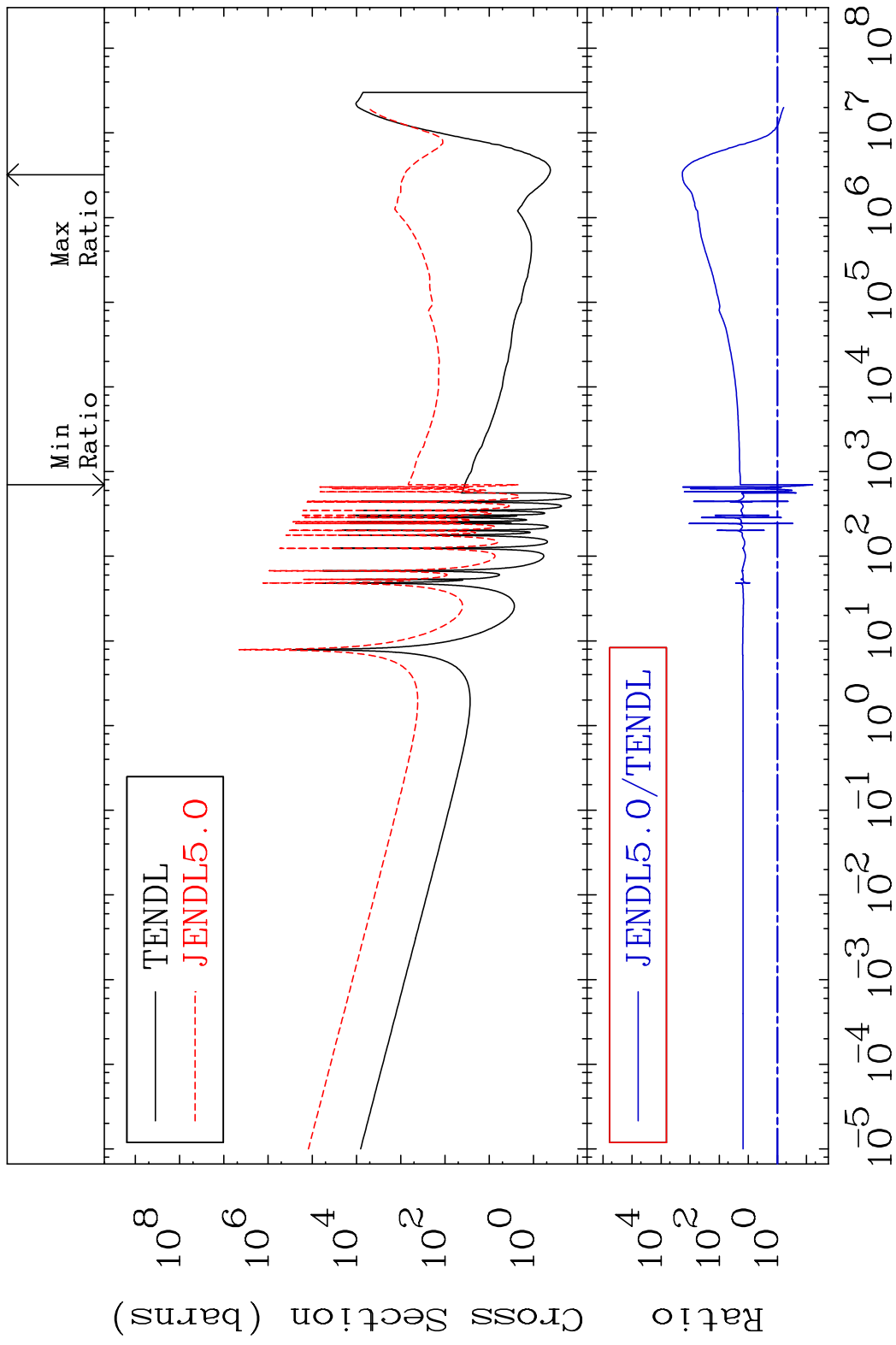
72-Hf-176

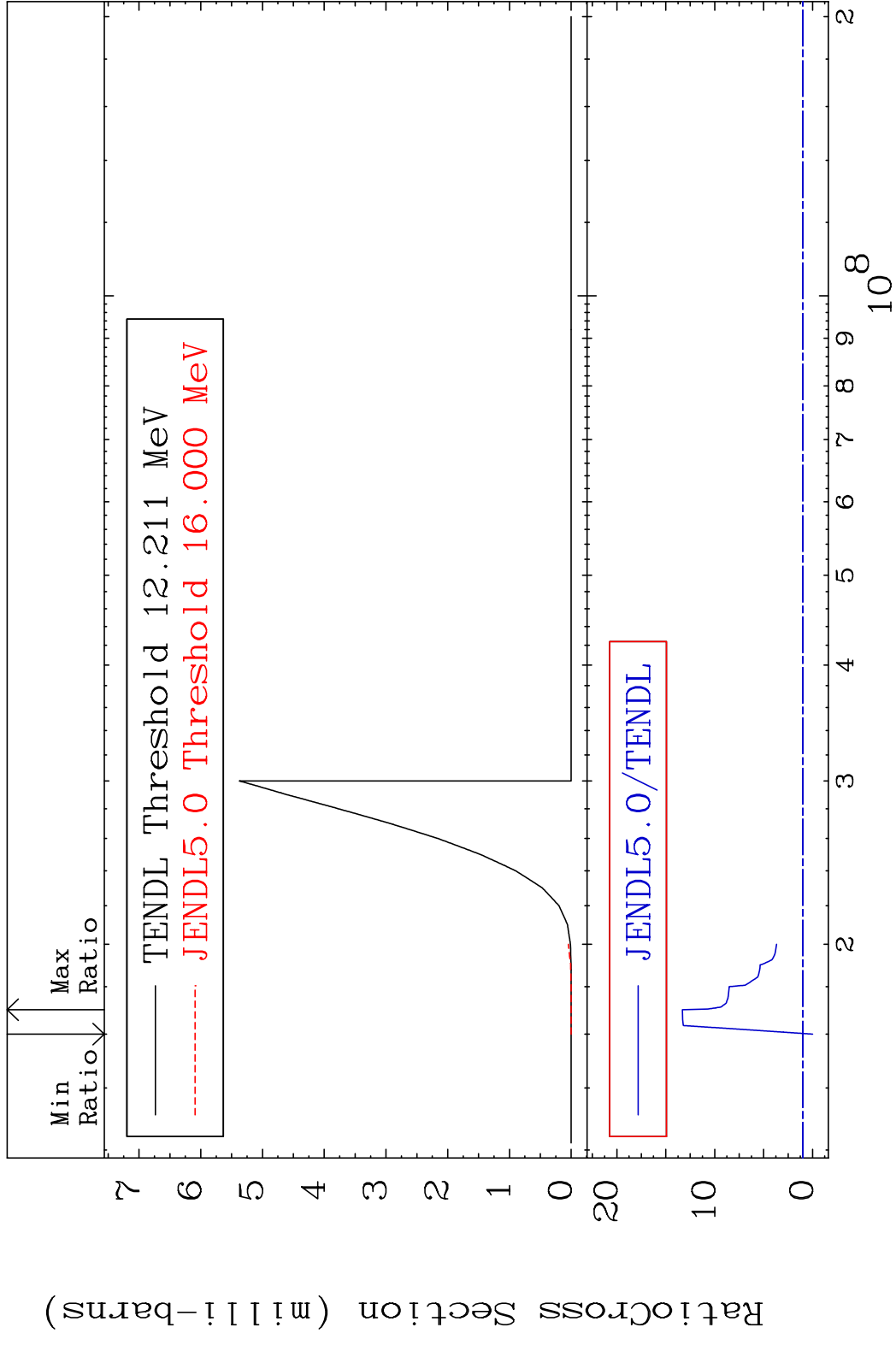
MAT 7231 Dpa inelastic (mt51-91) 72-Hf-176
 Cross Section -100.0 To 645.2 %

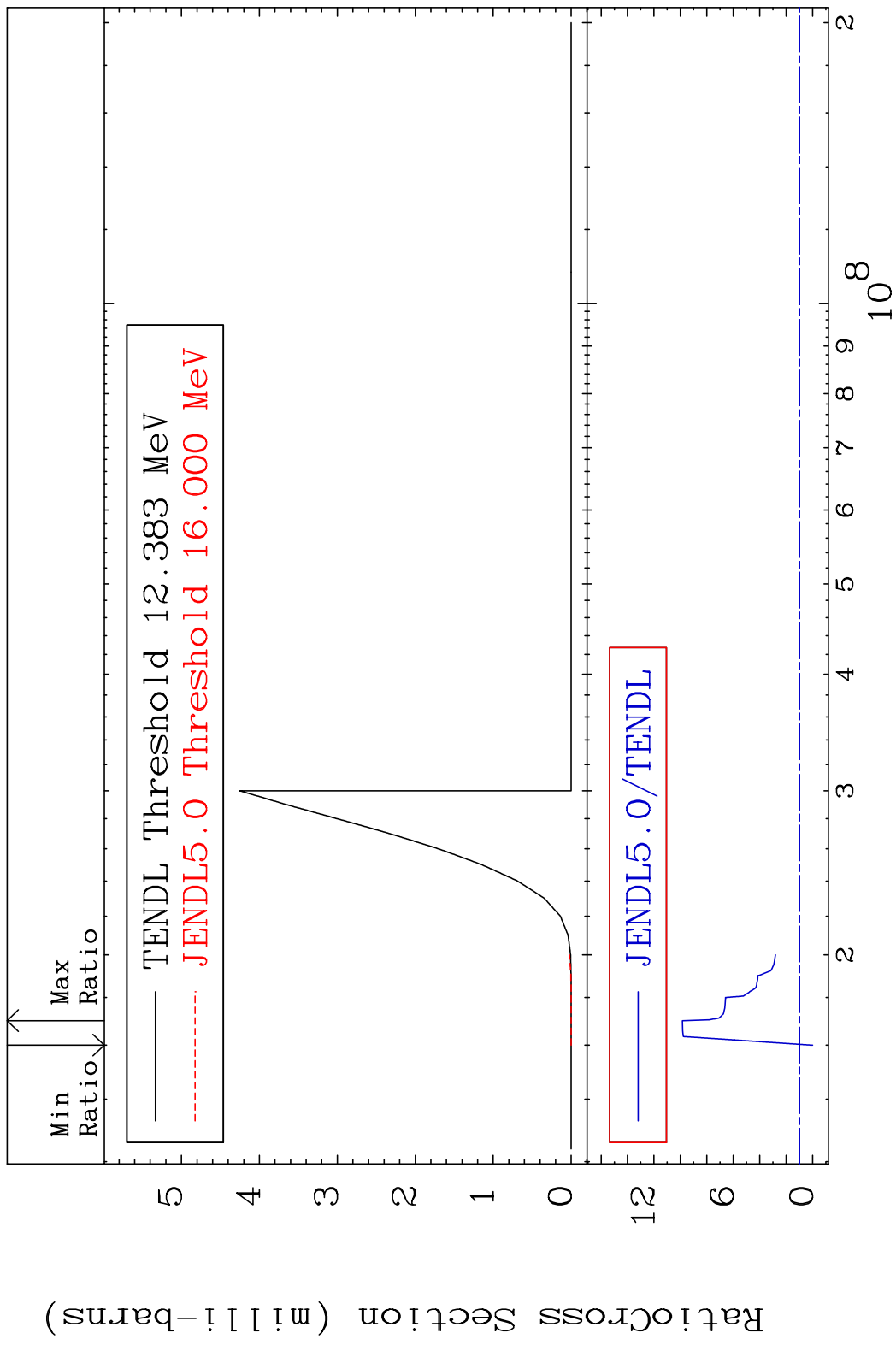


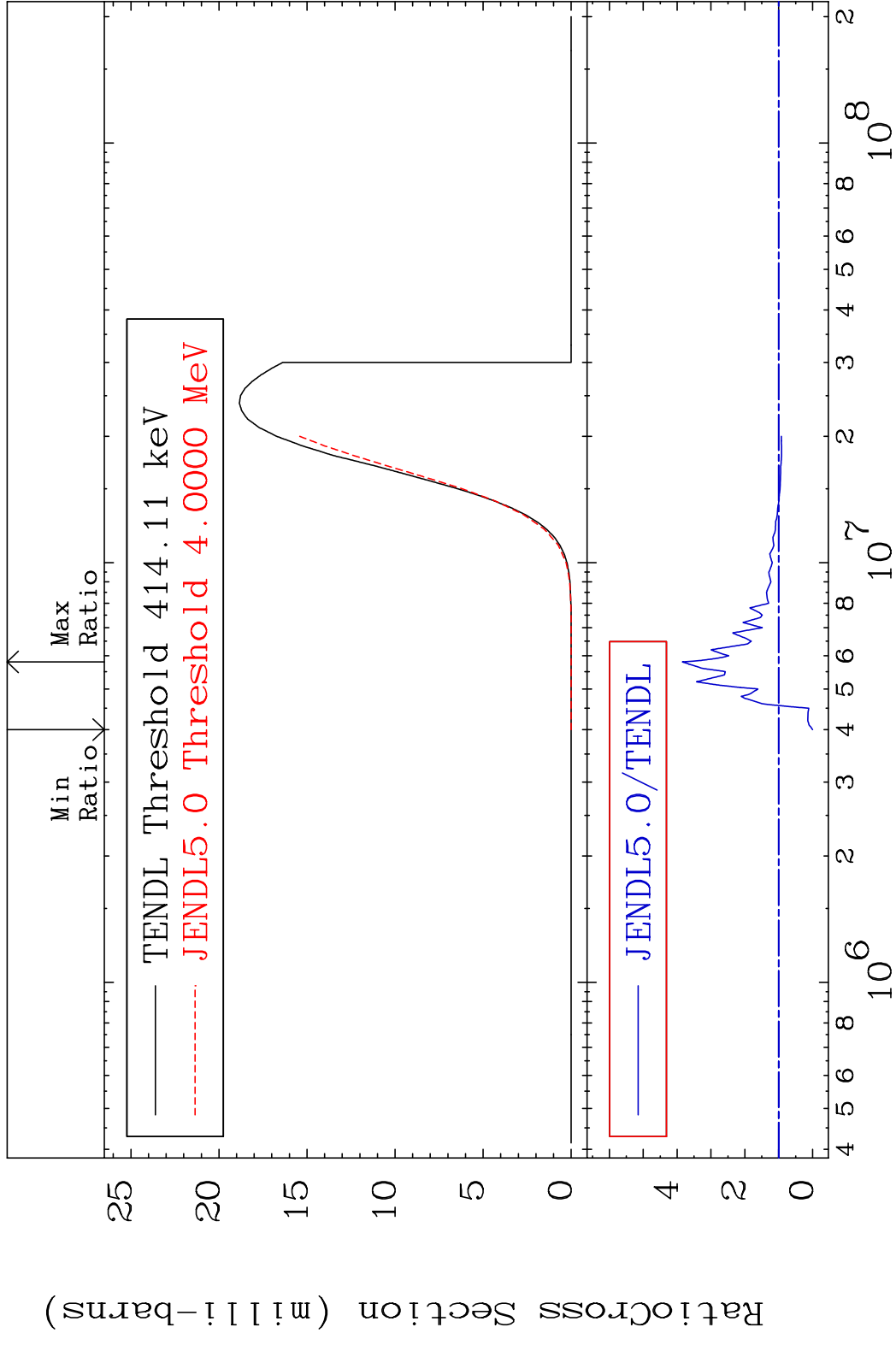
61 Incident Energy (eV) 72-Hf-176

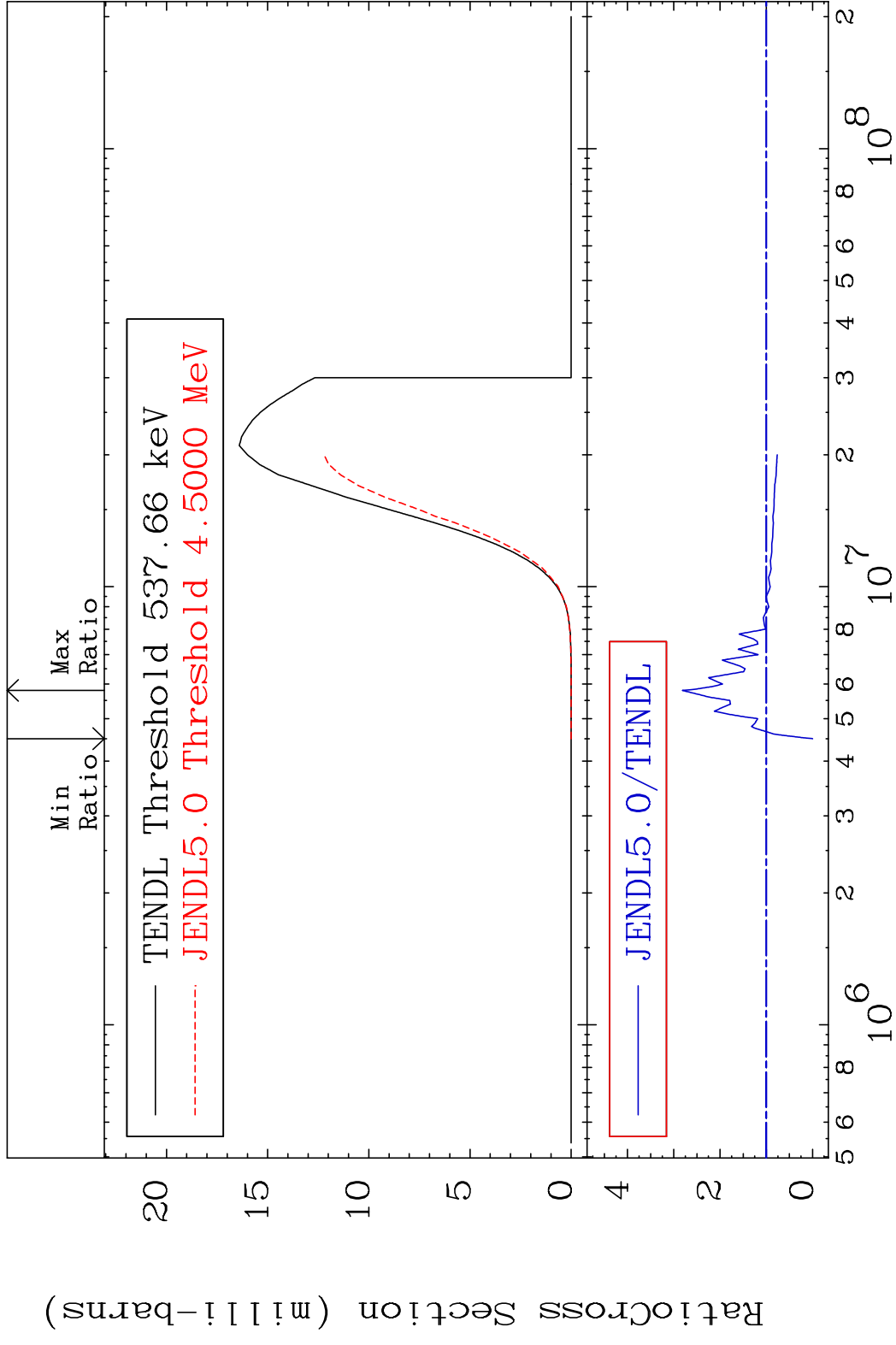
MAT 7231 Dpa disappearance (mt102 -120) 72-Hf-176
 Cross Section -93.80 To 9999. %











MAT 7231 (n, t):71-Lu-174g 72-Hf-176
 Radionuclide Production Cross Section 180.0 dth 1783. %

