

Program Complot
(Version 2021-1)

by

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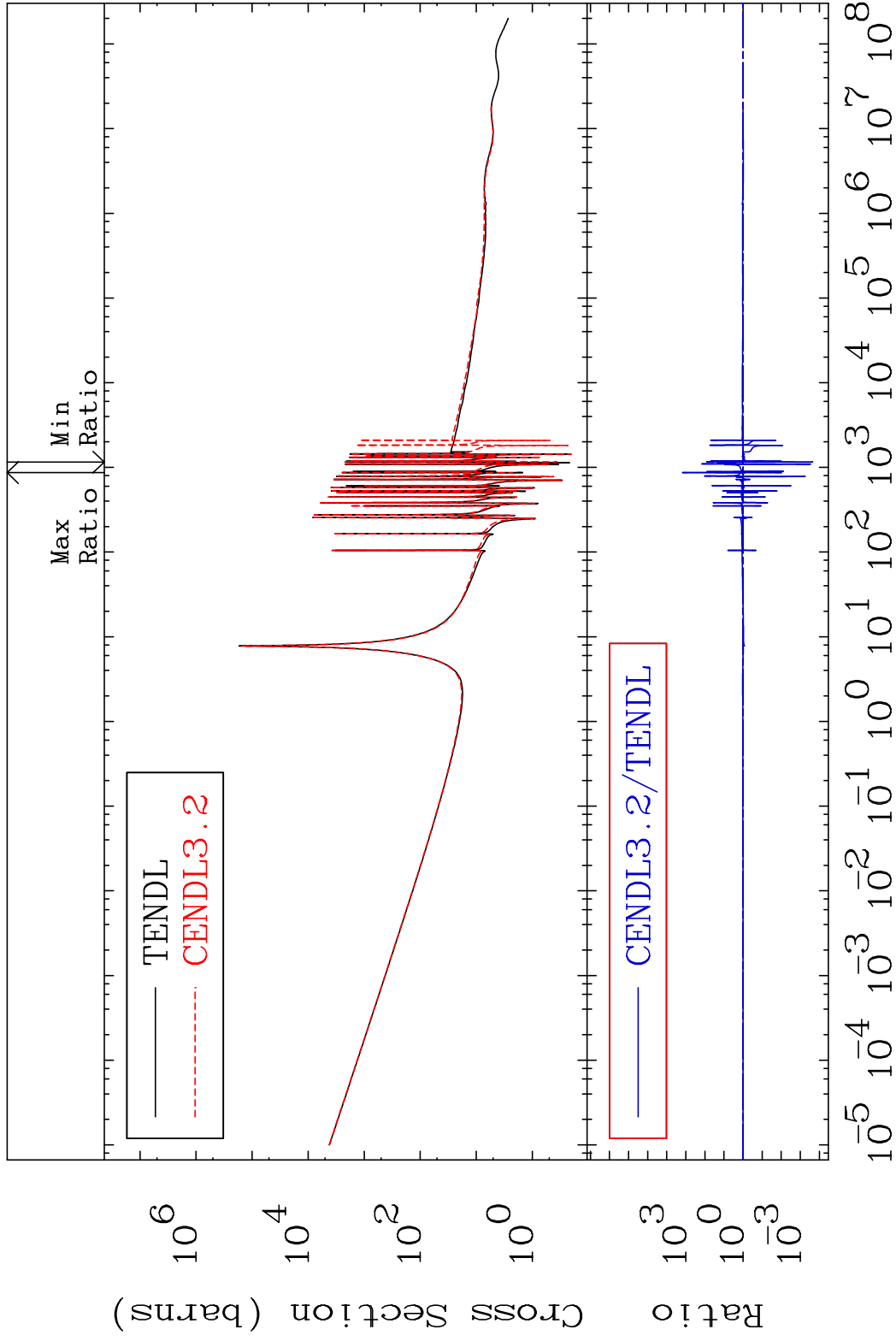
Press Mouse Button to Start

MAT 7237

Total

72-Hf-178

Cross Section -99.98 To 9999. %



1

Incident Energy (eV)

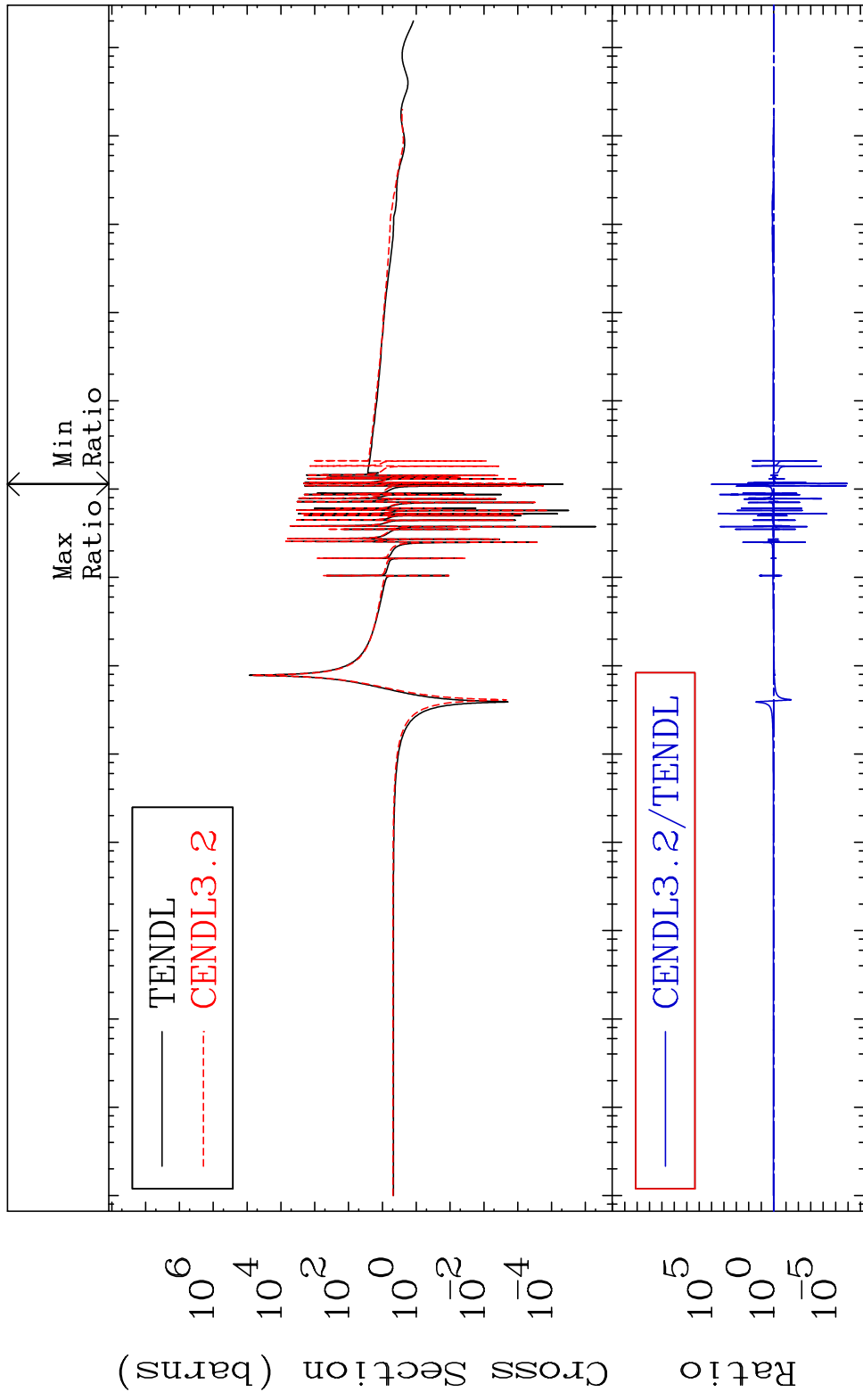
72-Hf-178

MAT 7237

Elastic

72-Hf-178

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

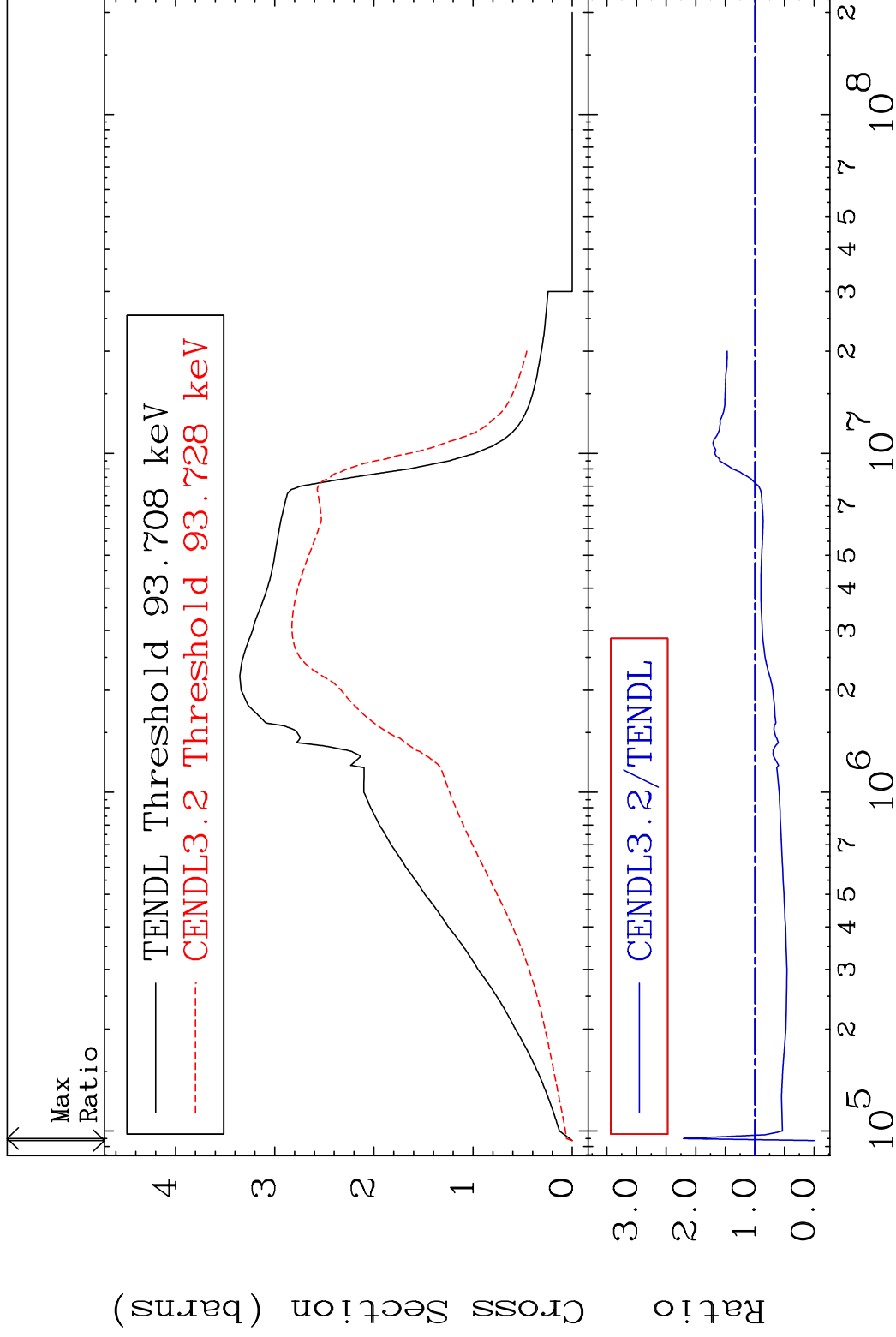
72-Hf-178

MAT 7237

Inelastic

72-Hf-178

Cross Section -100.0 To 120.4 %



3

Incident Energy (eV)

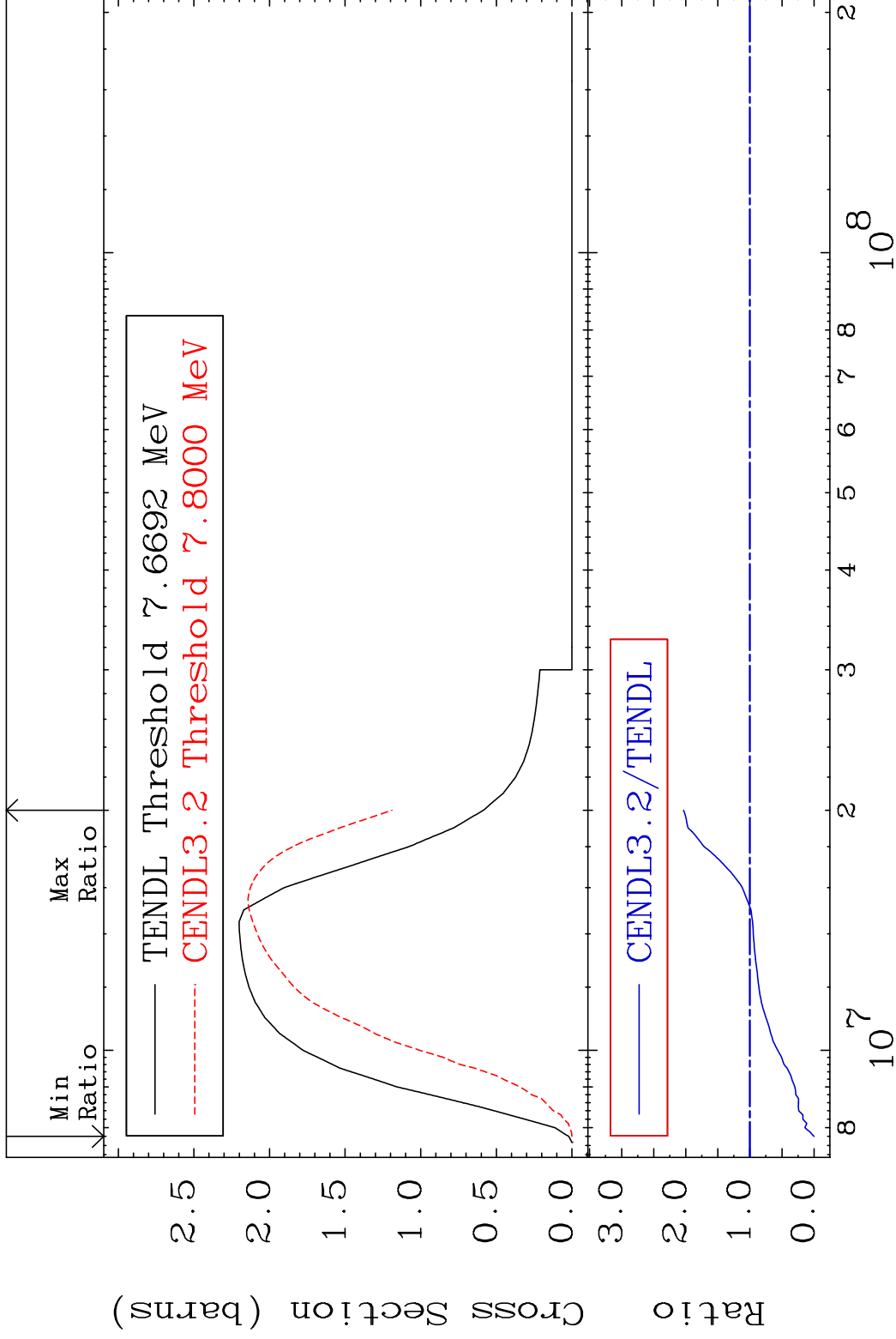
72-Hf-178

MAT 7237

(n,2n)

72-Hf-178

Cross Section -100.0 To 103.6 %



4

Incident Energy (eV)

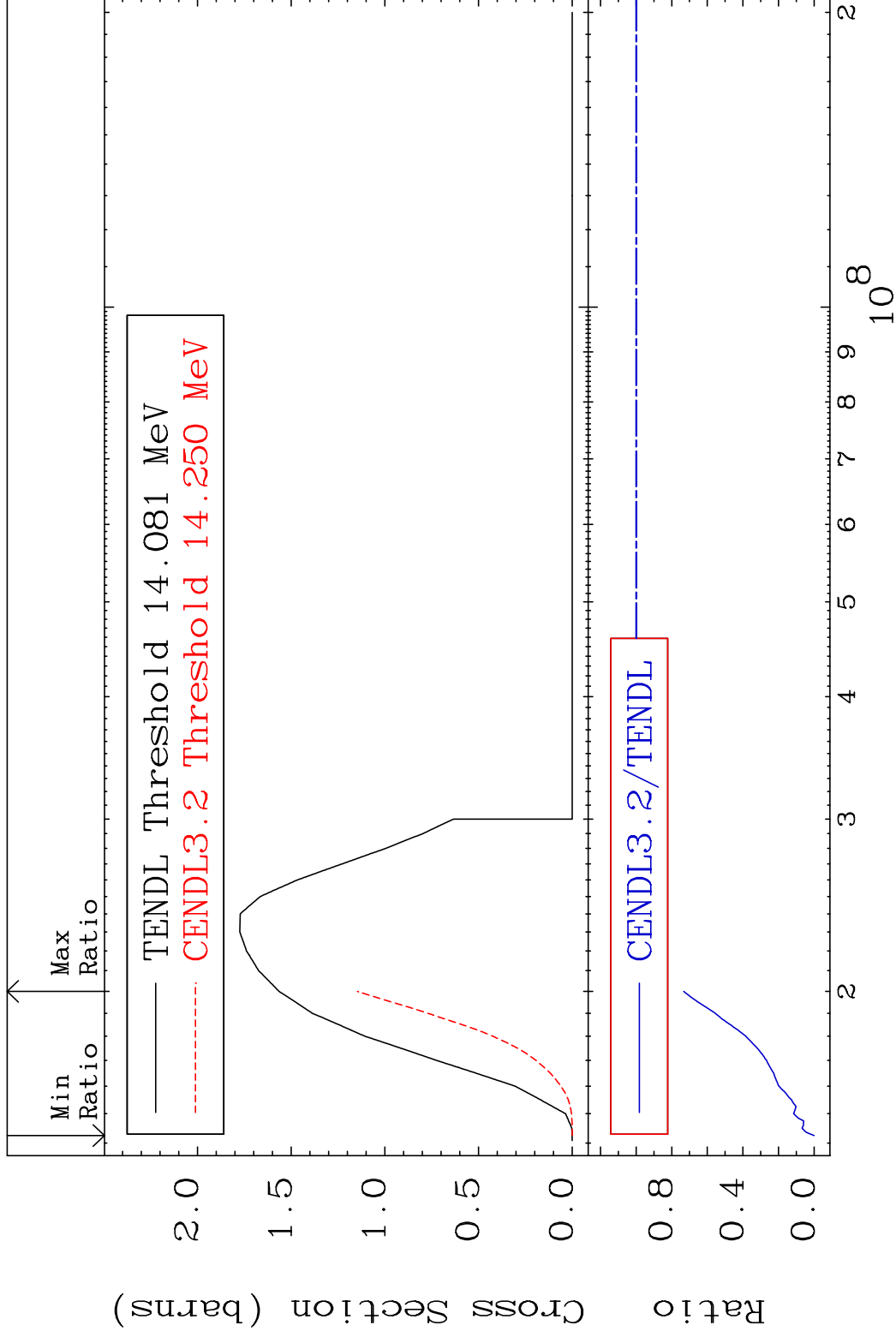
72-Hf-178

MAT 7237

(n,3n)

72-Hf-178

Cross Section -100.0 To -26.72%



5

Incident Energy (eV)

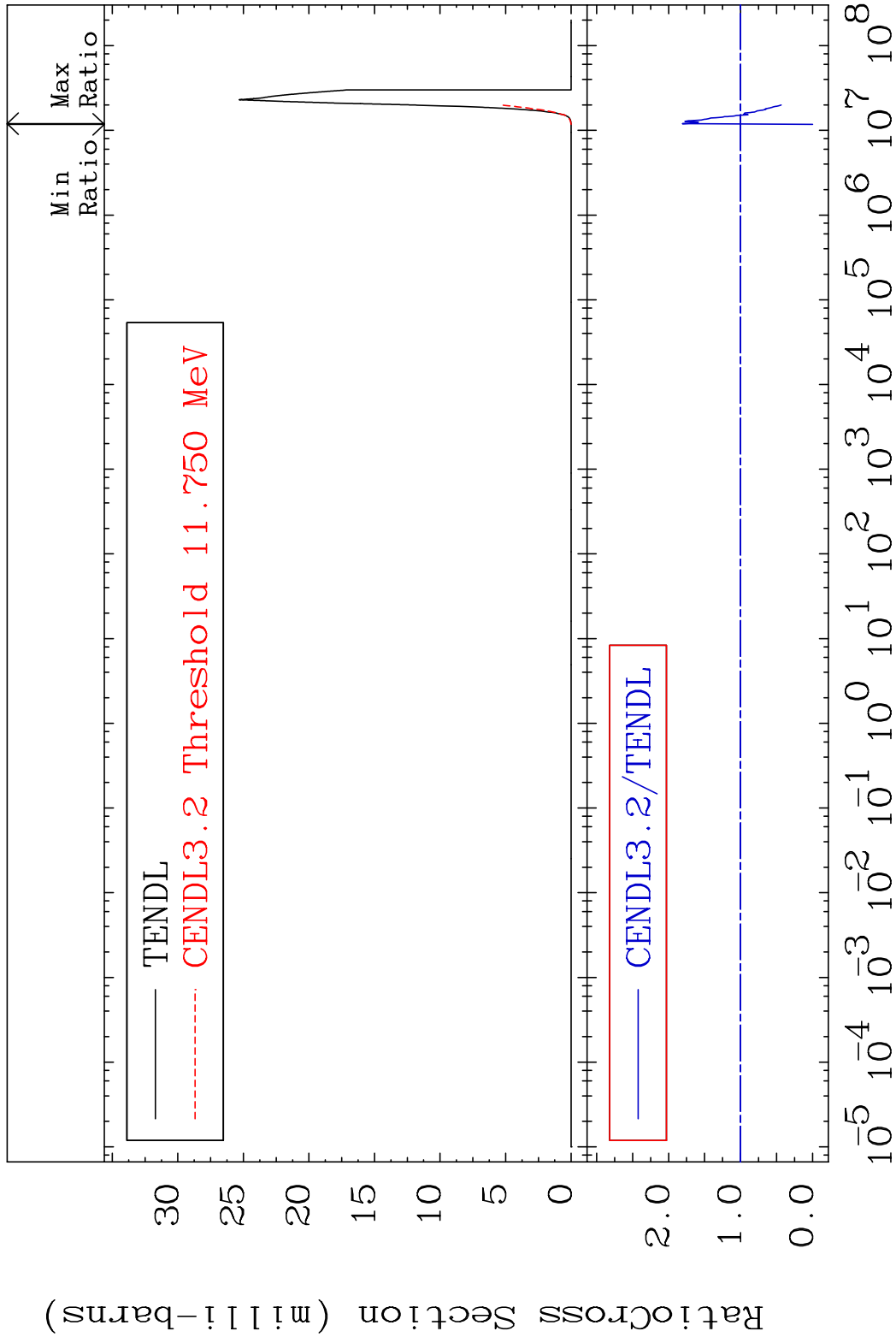
72-Hf-178

MAT 7237

(n, n') α

72-Hf-178

Cross Section -100.0 To 80.88 %



6

Incident Energy (eV)

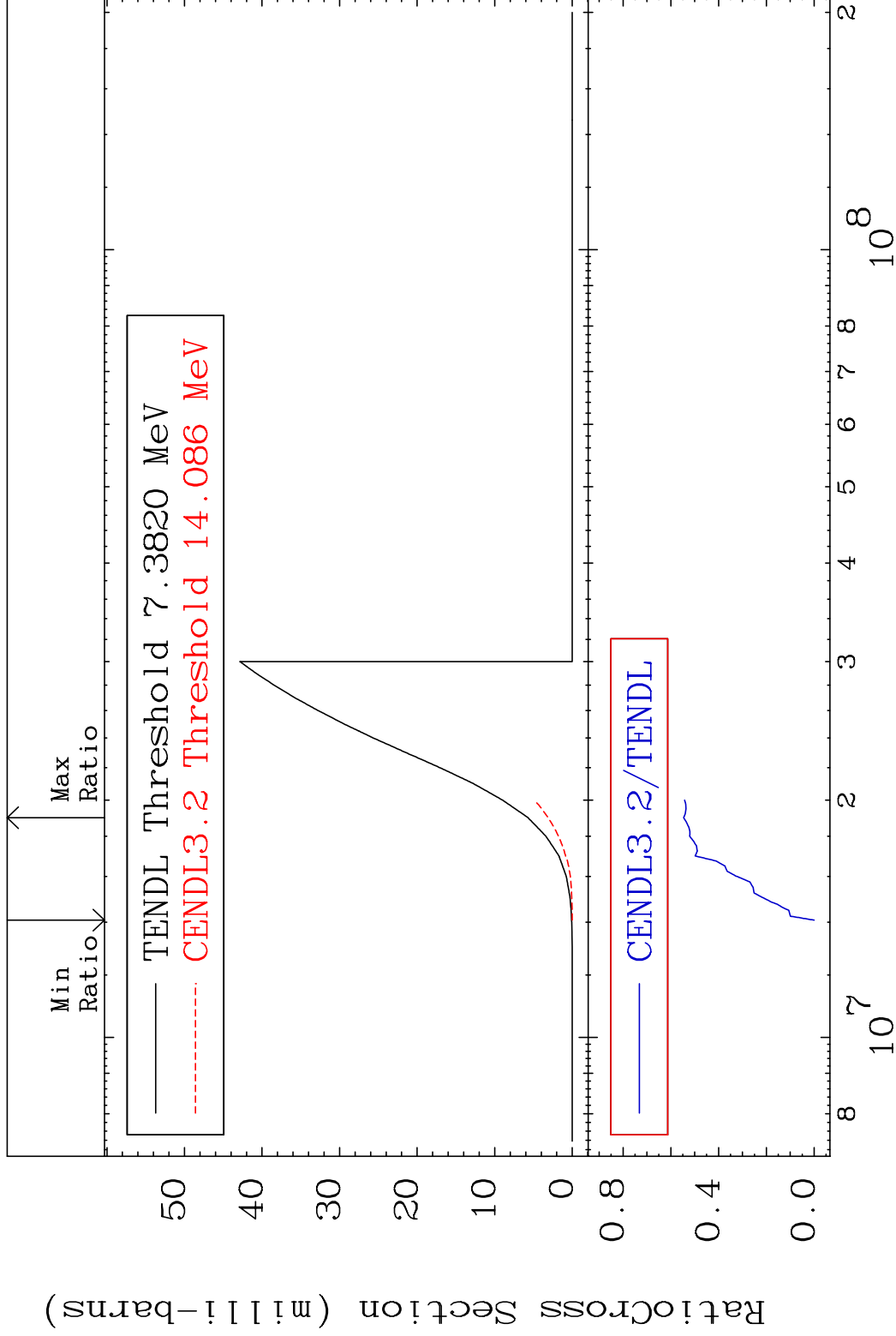
72-Hf-178

MAT 7237

(n, n') p

72-Hf-178

Cross Section -100.0 To -45.37%

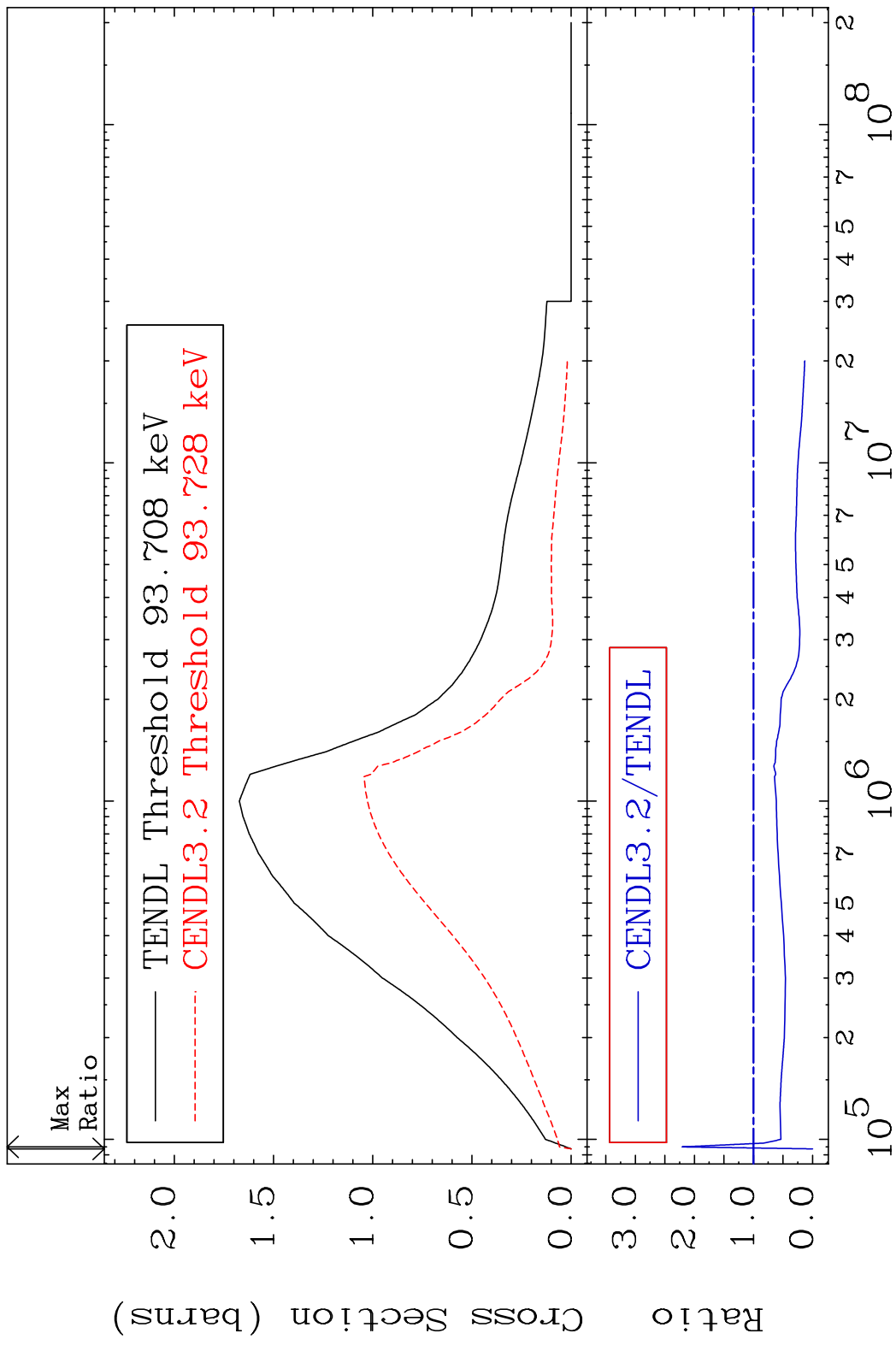


7

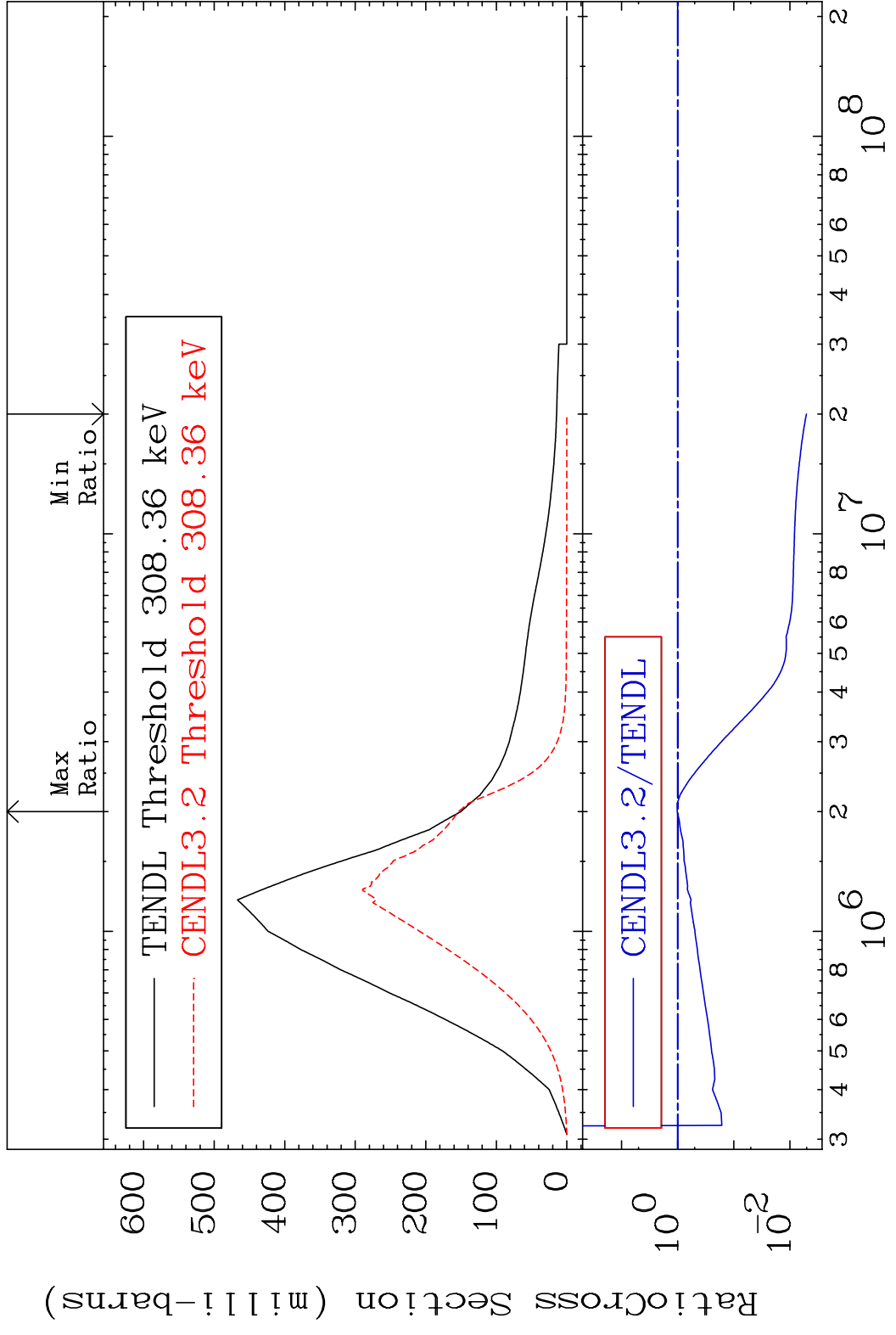
Incident Energy (eV)

72-Hf-178

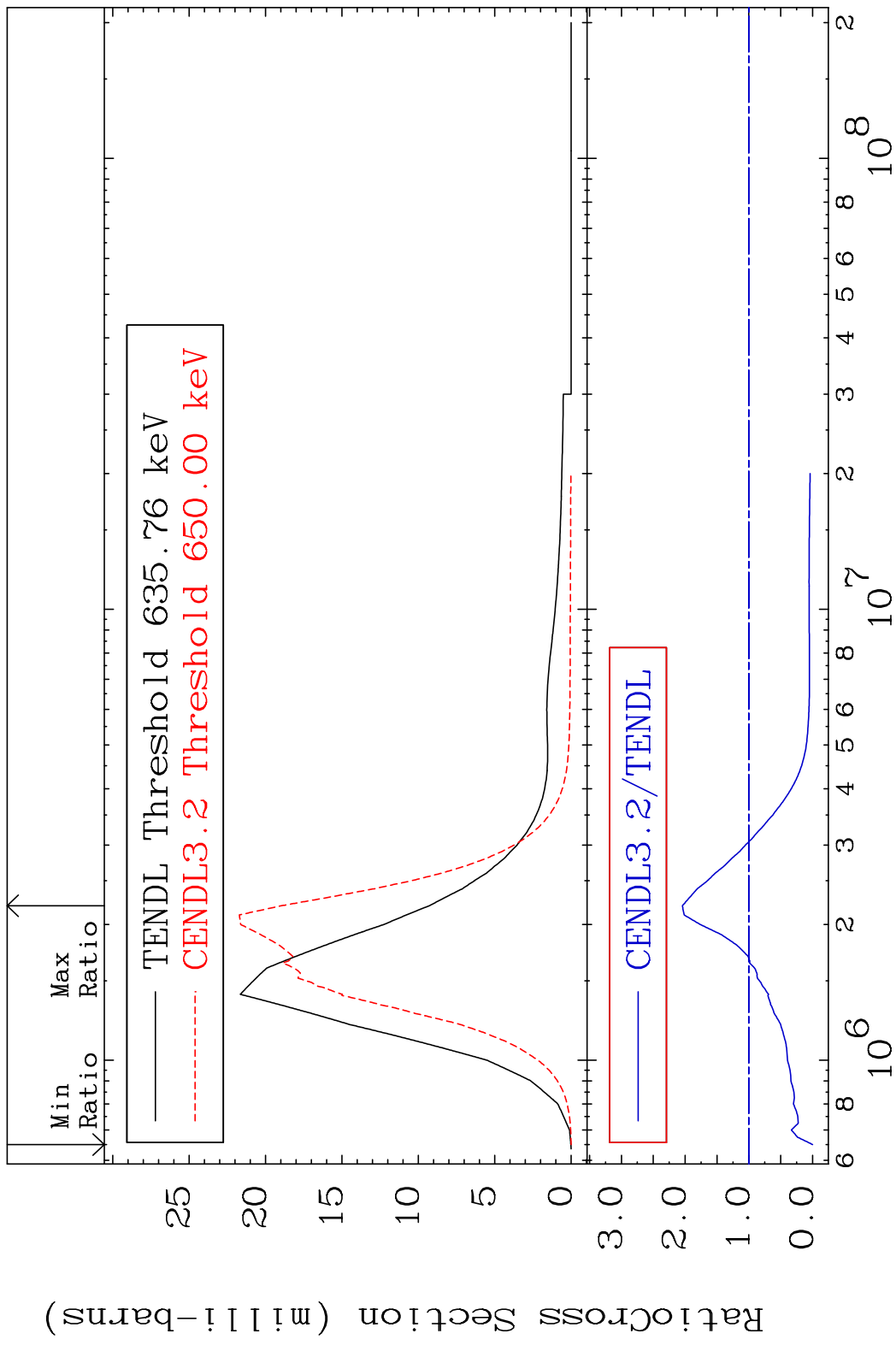
MAT 7237 MT= 51 (n,n') Level 72-Hf-178
 Cross Section -100.0 To 120.4 %



MAT 7237 MT= 52 (n,n') Level 72-Hf-178
 Cross Section -99.49 To 2.185 %



MAT 7237 MT= 53 (n,n') Level 72-Hf-178
 Cross Section -100.0 To 104.3 %



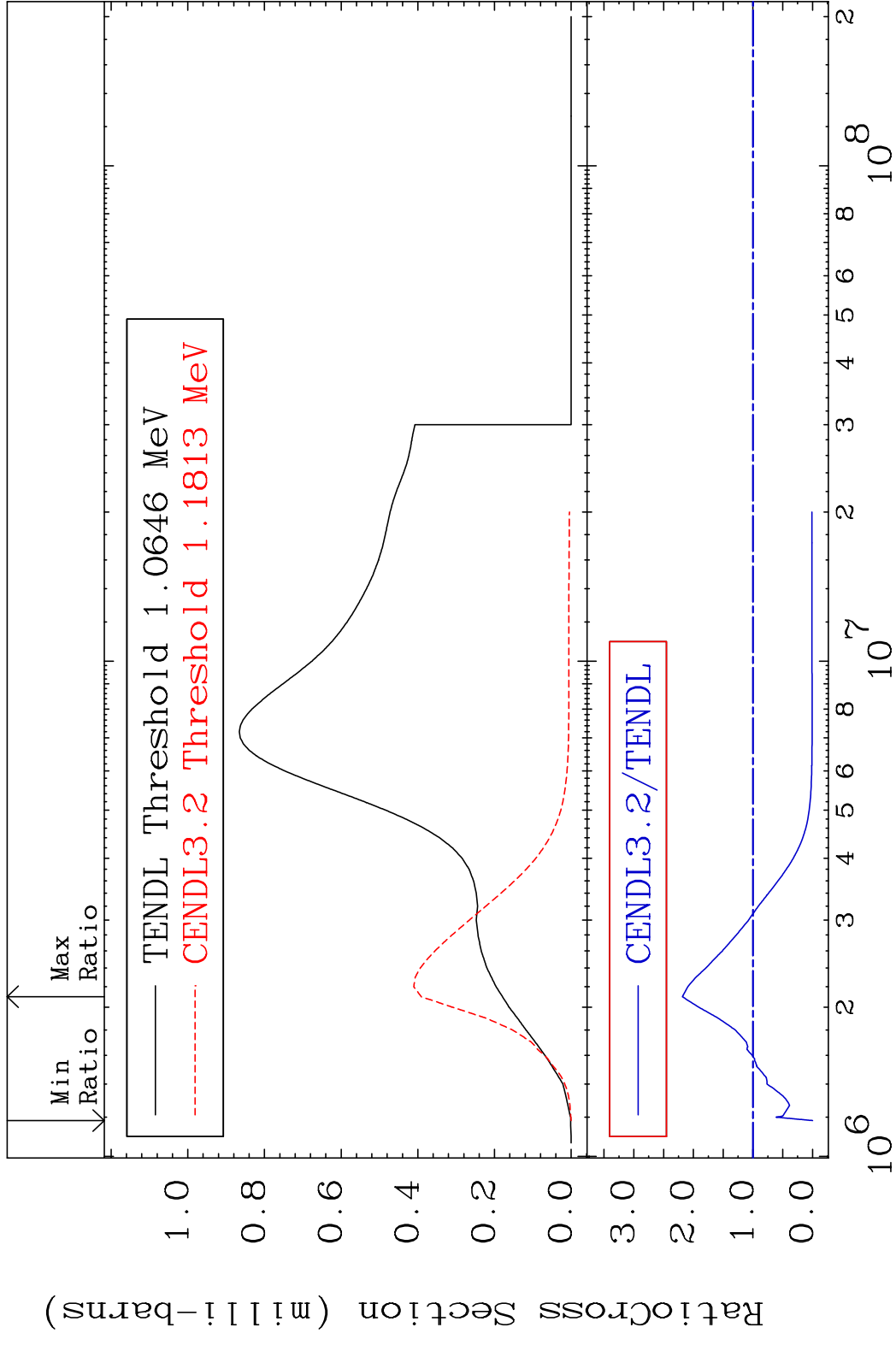
10 Incident Energy (eV) 72-Hf-178

MAT 7237

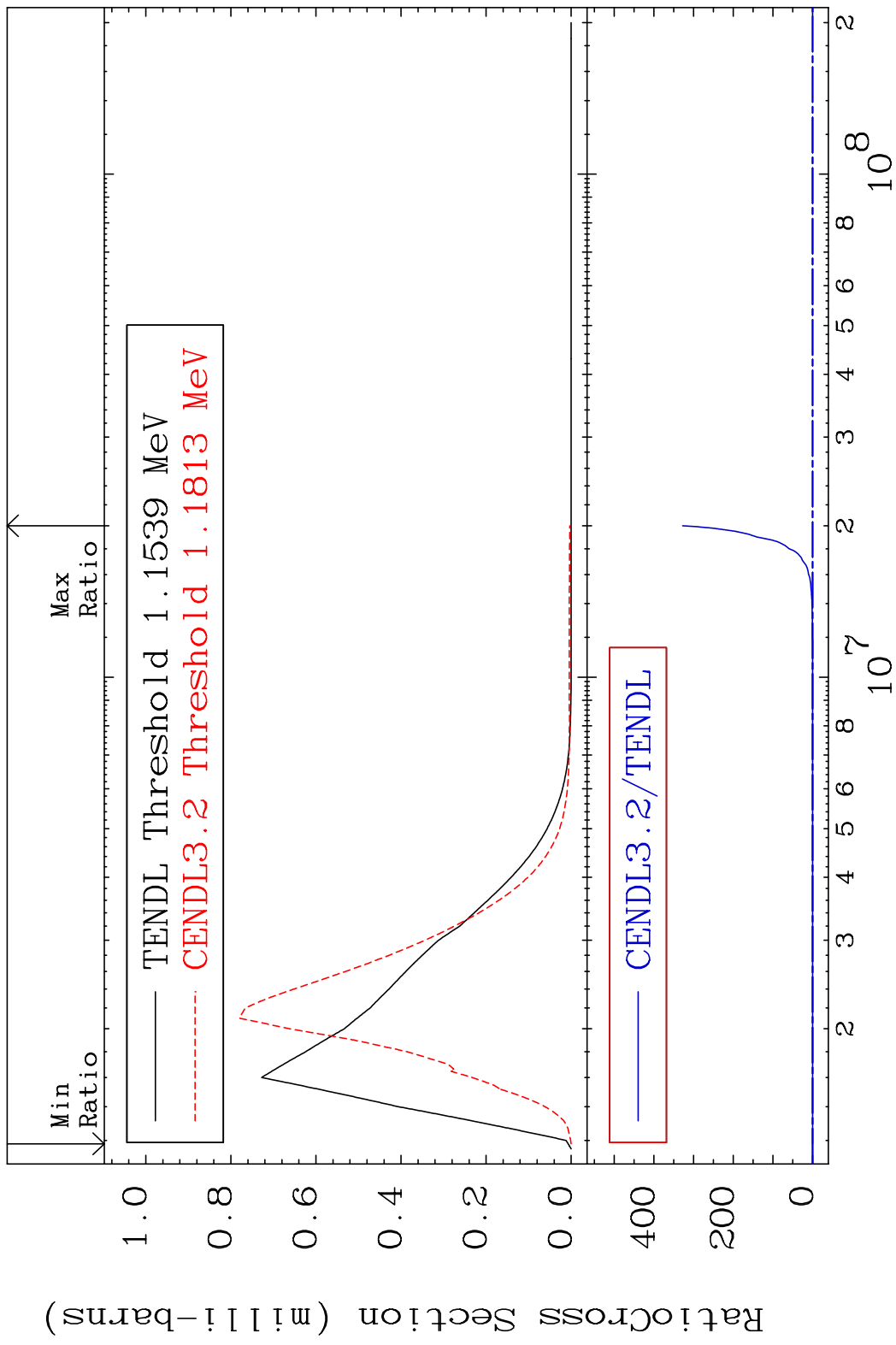
MT= 54 (n, n') Level

72-Hf-178

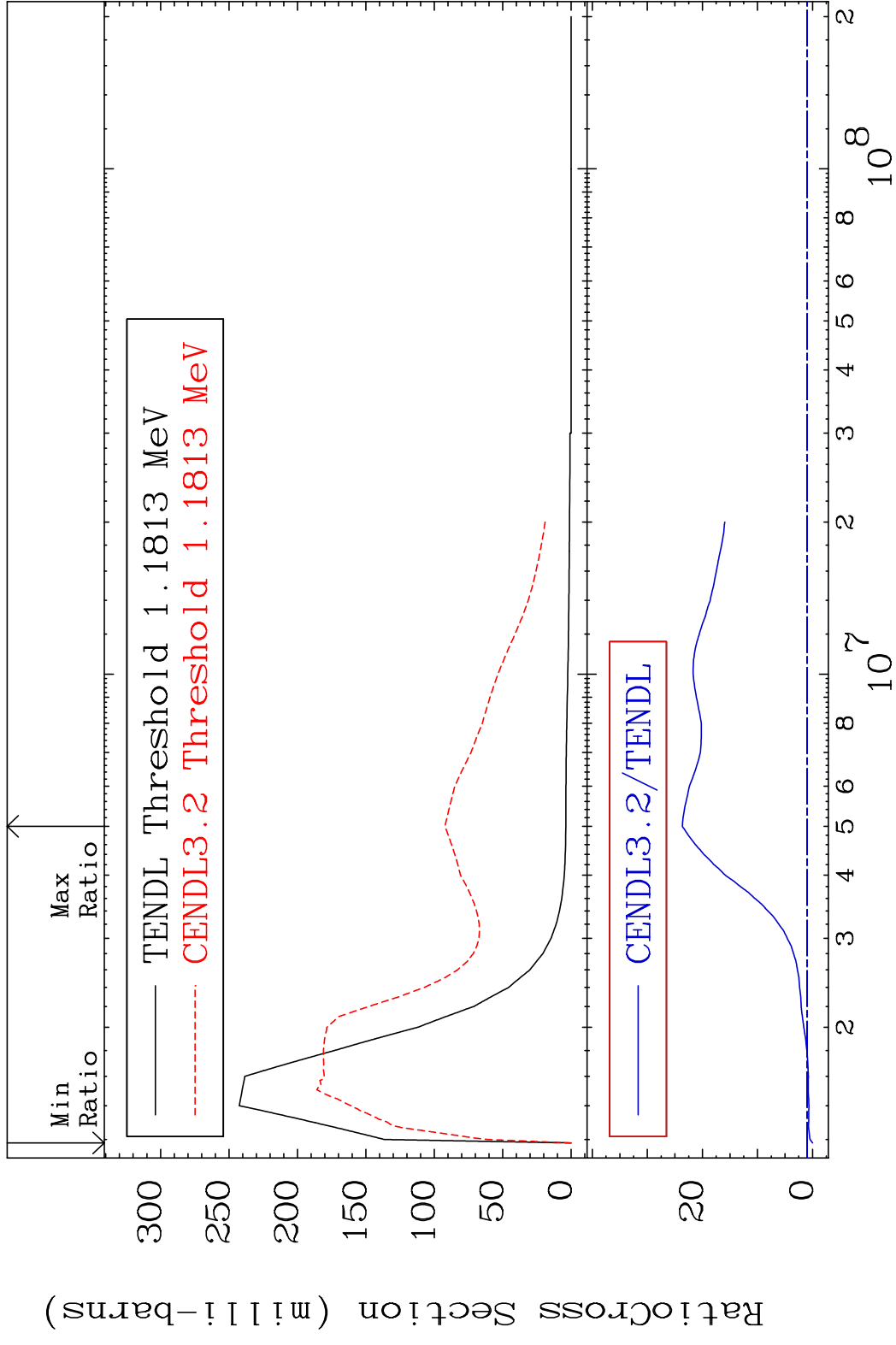
Cross Section -100.0 To 118.5 %



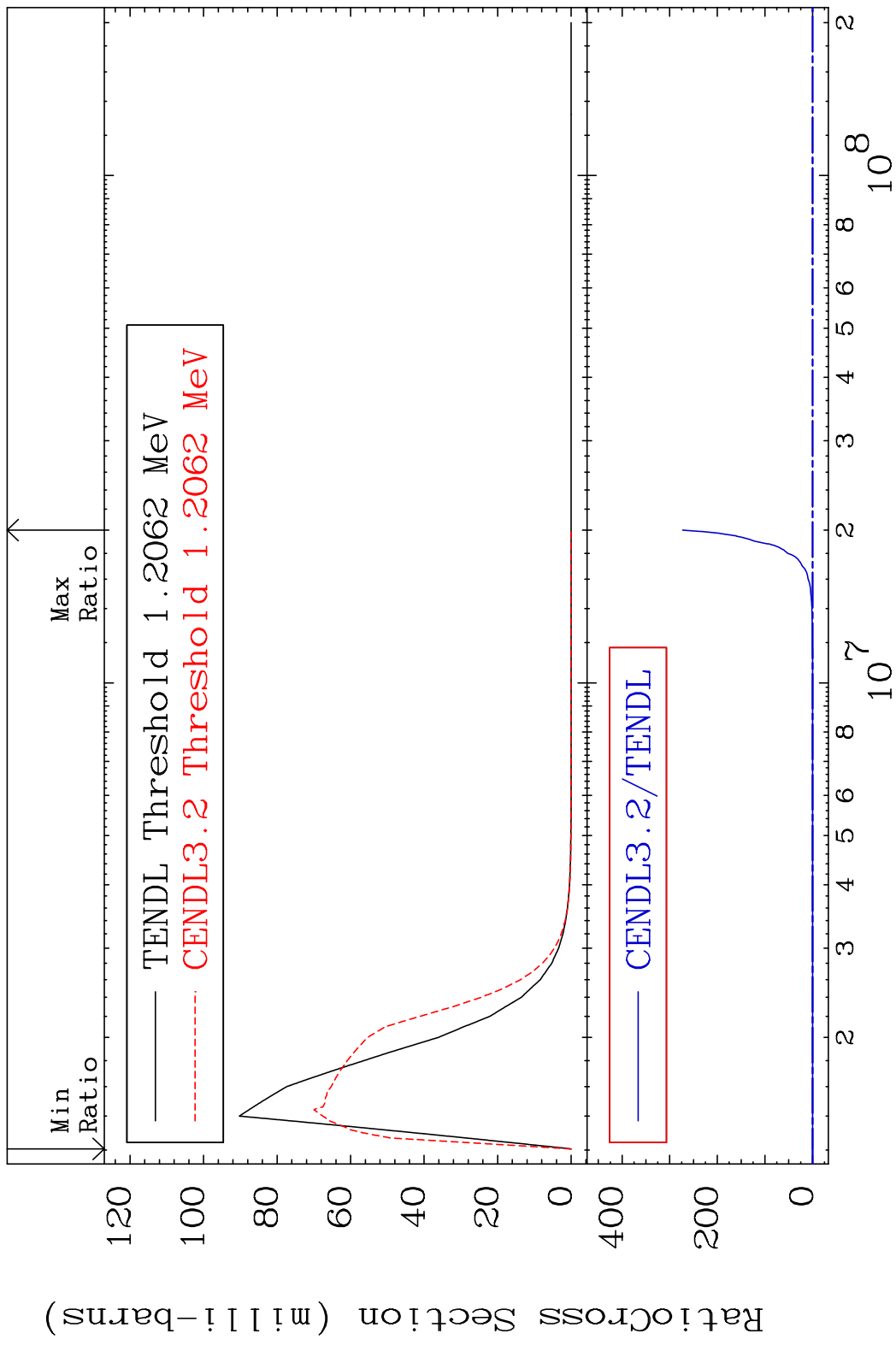
MAT 7237 MT= 55 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 9999. %



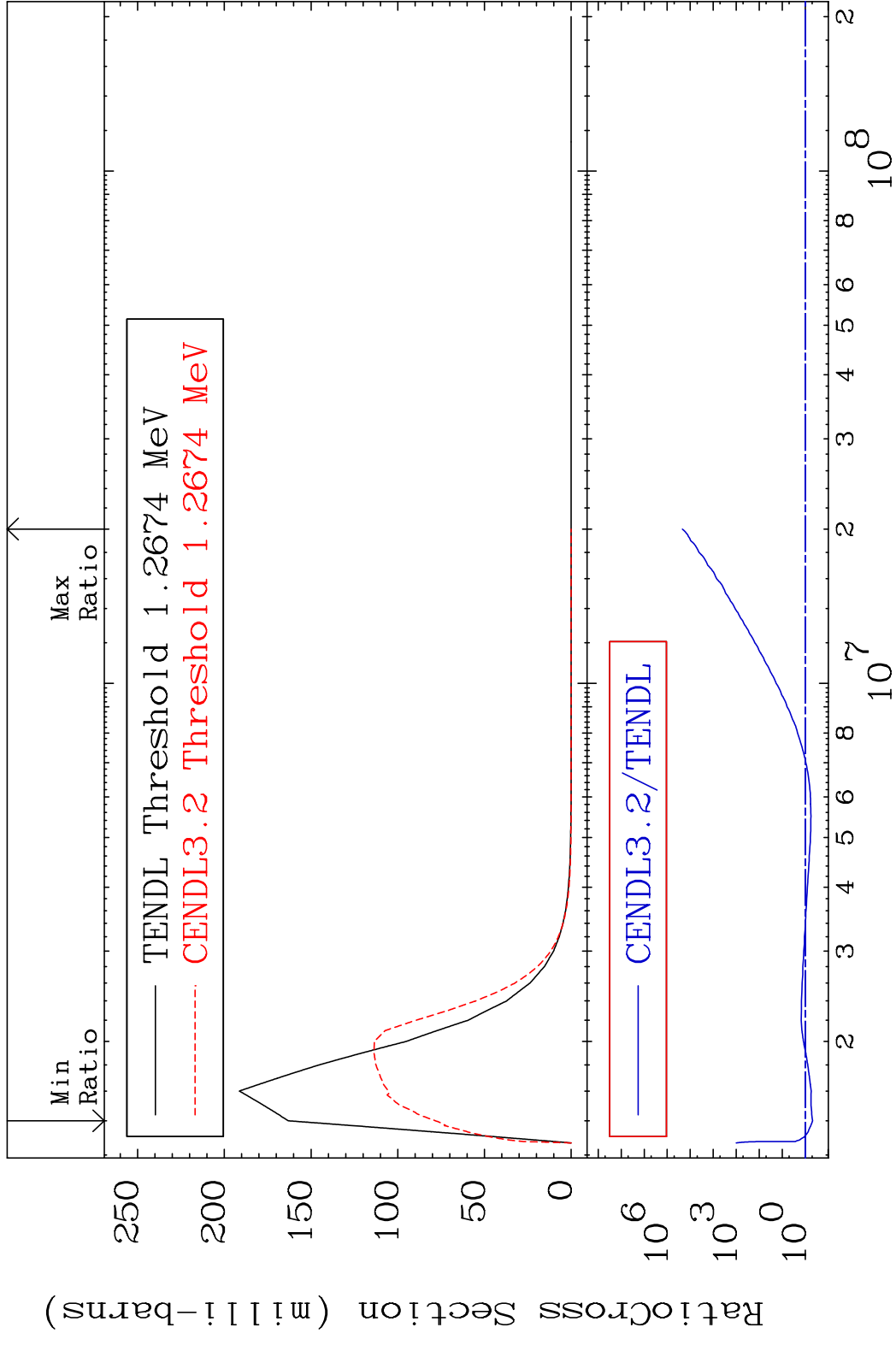
MAT 7237 MT= 56 (n,n') Level 72-Hf-178
 Cross Section -100.0 To 2265. %



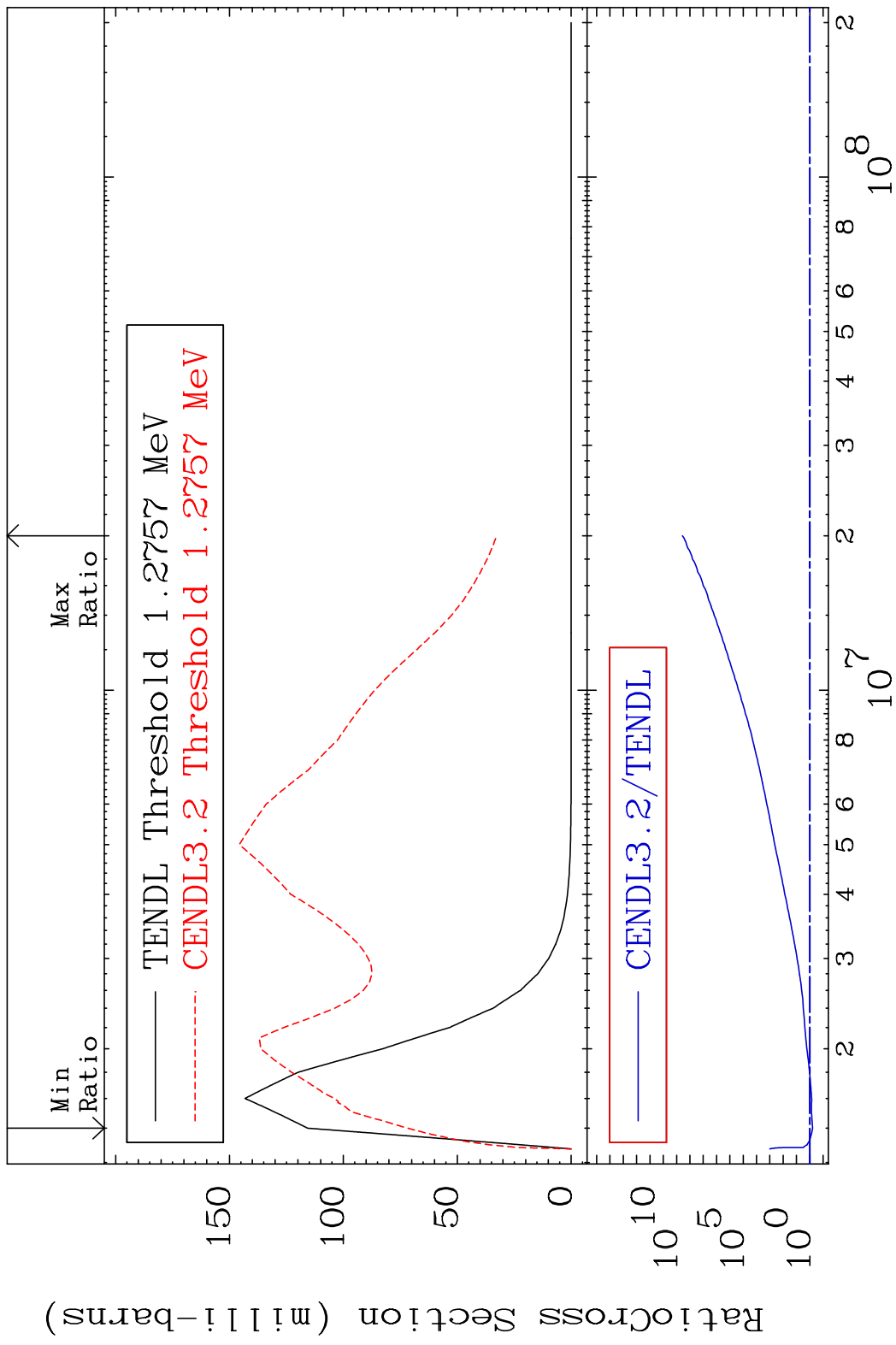
MAT 7237 MT= 57 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 9999. %



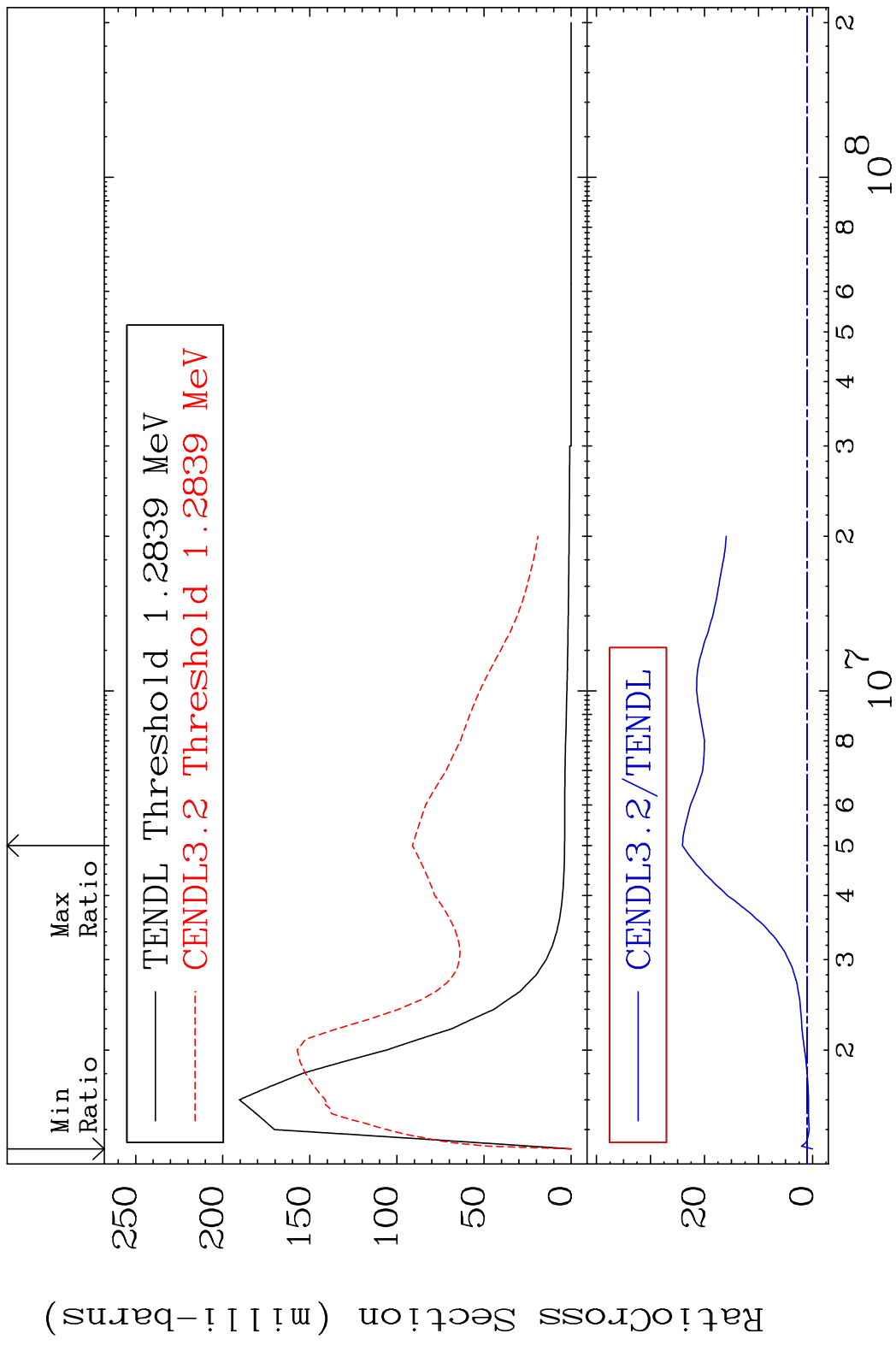
MAT 7237 MT= 58 (n, n') Level 72-Hf-178
 Cross Section -52.03 To 9999. %



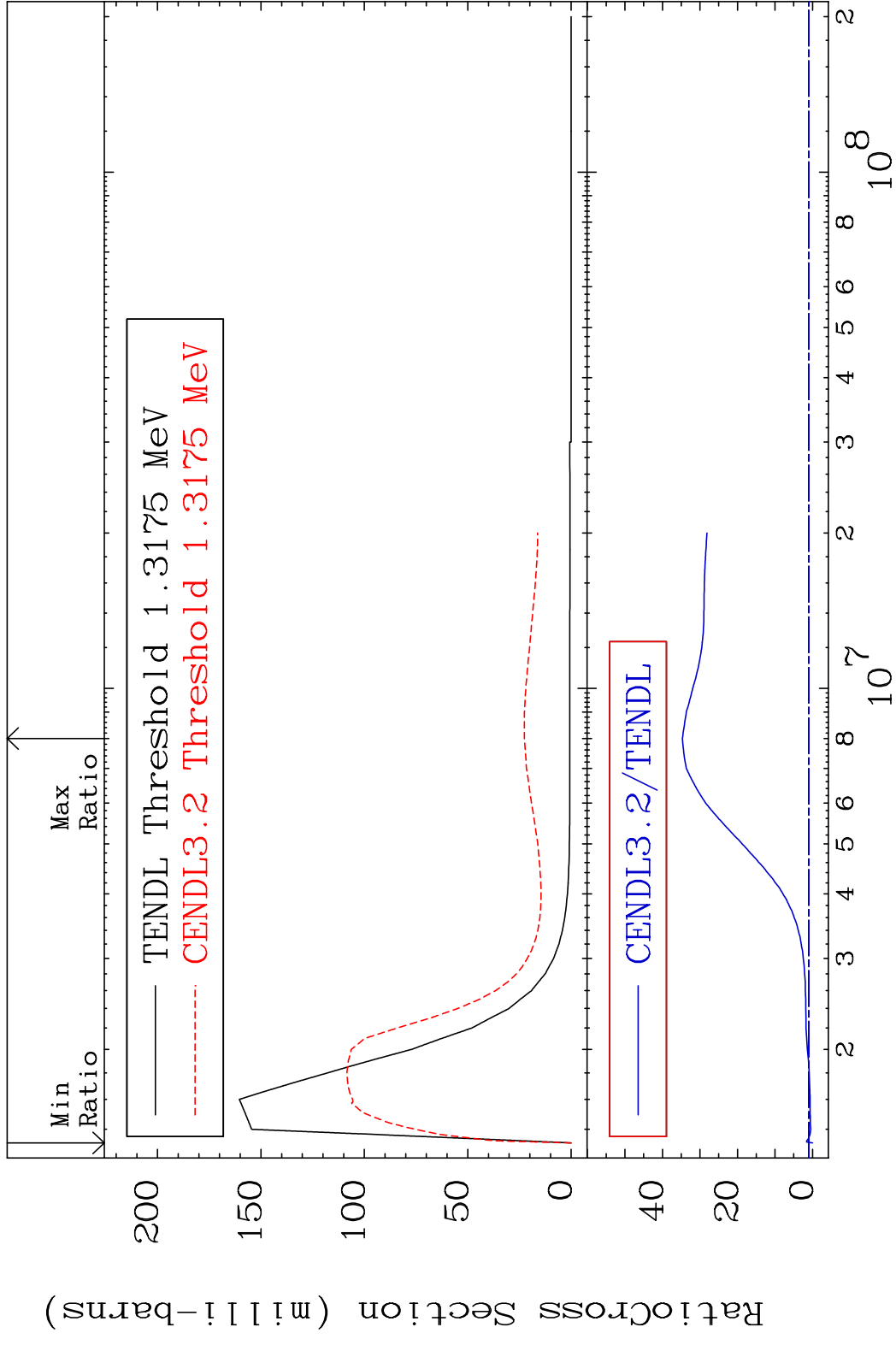
MAT 7237 MT= 59 (n, n') Level 72-Hf-178
 Cross Section -38.07 To 9999. %



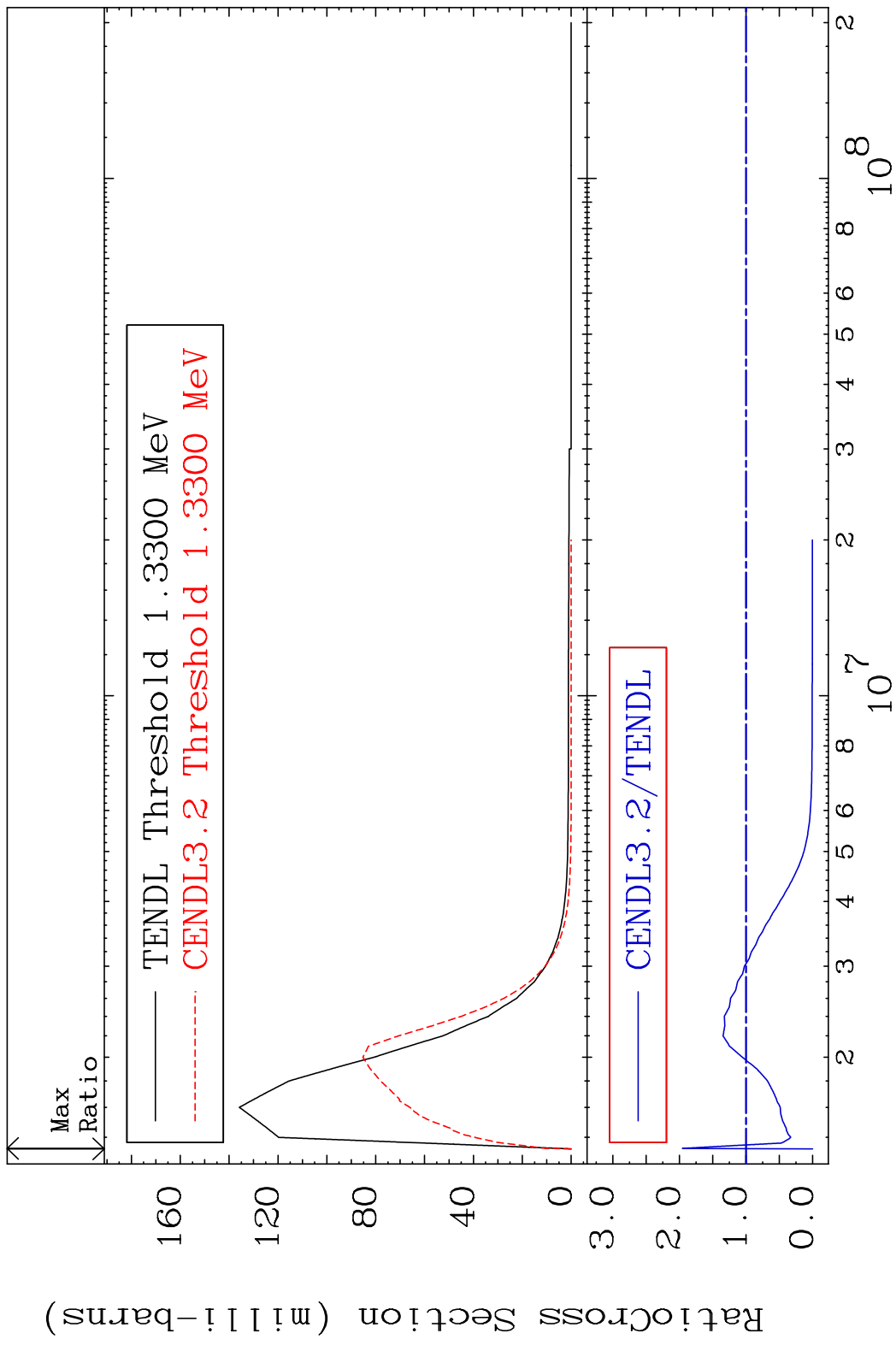
MAT 7237 MT= 60 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 2310. %



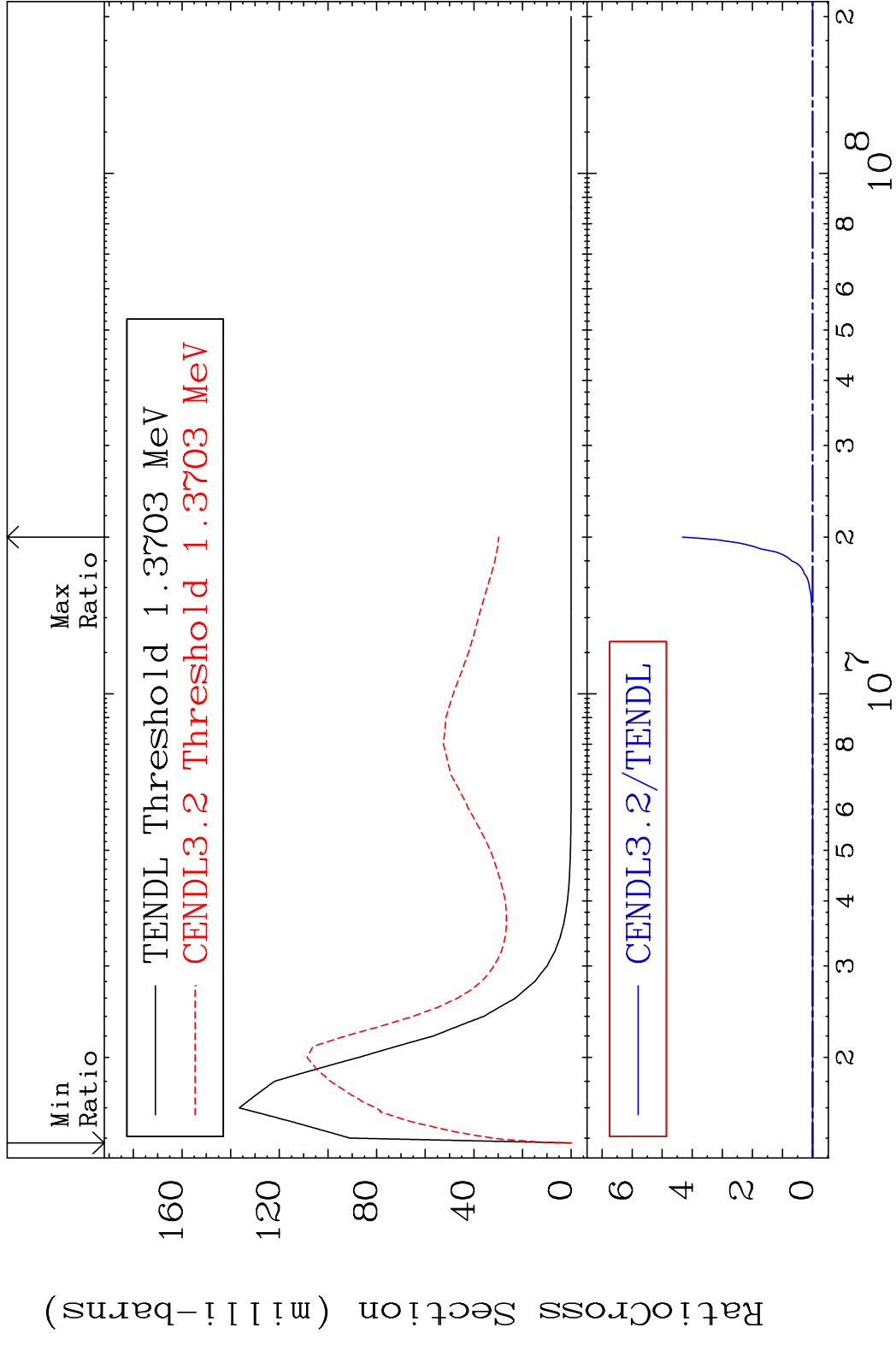
MAT 7237 MT= 61 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 3369. %



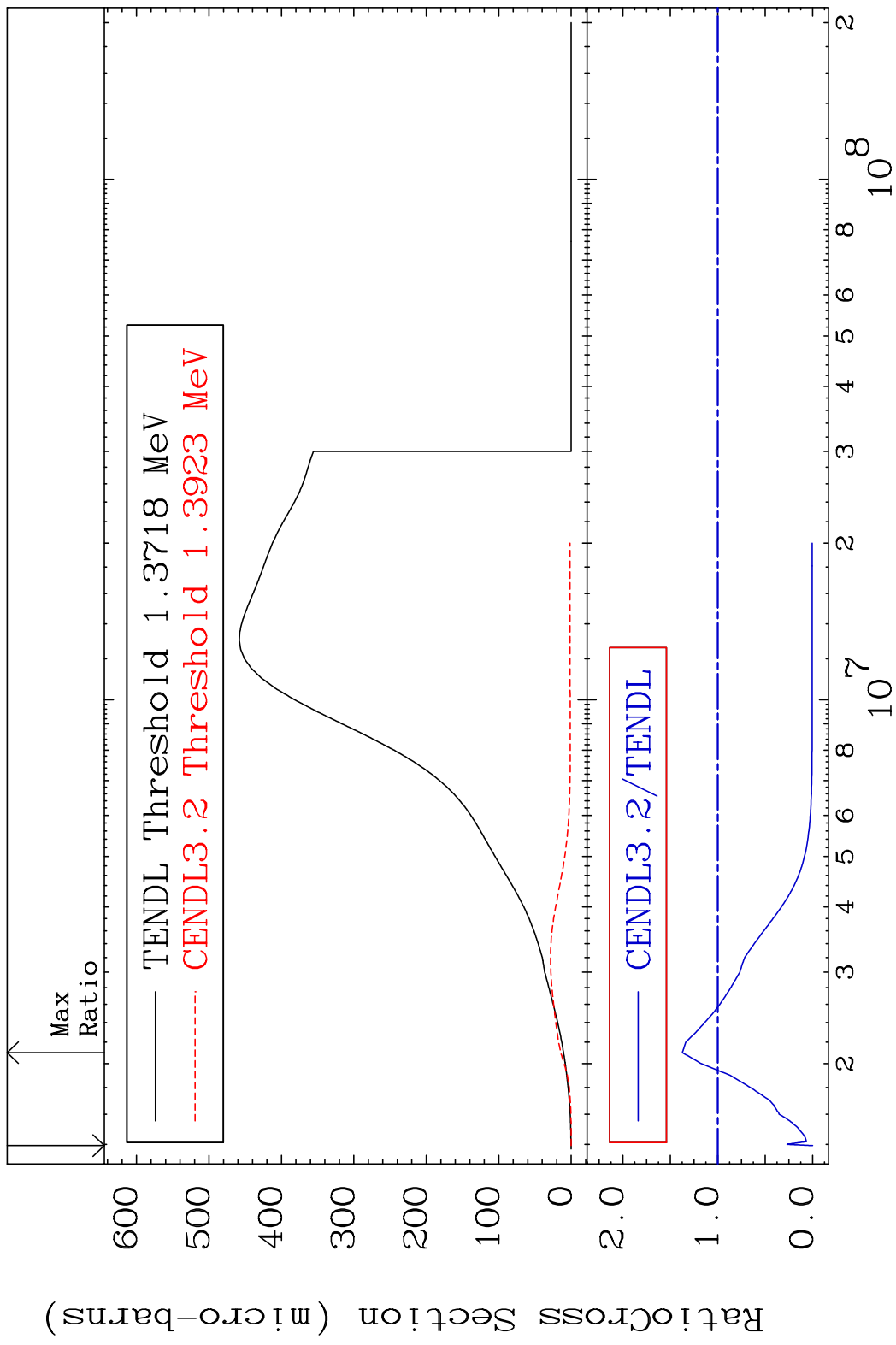
MAT 7237 MT= 62 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 95.63 %



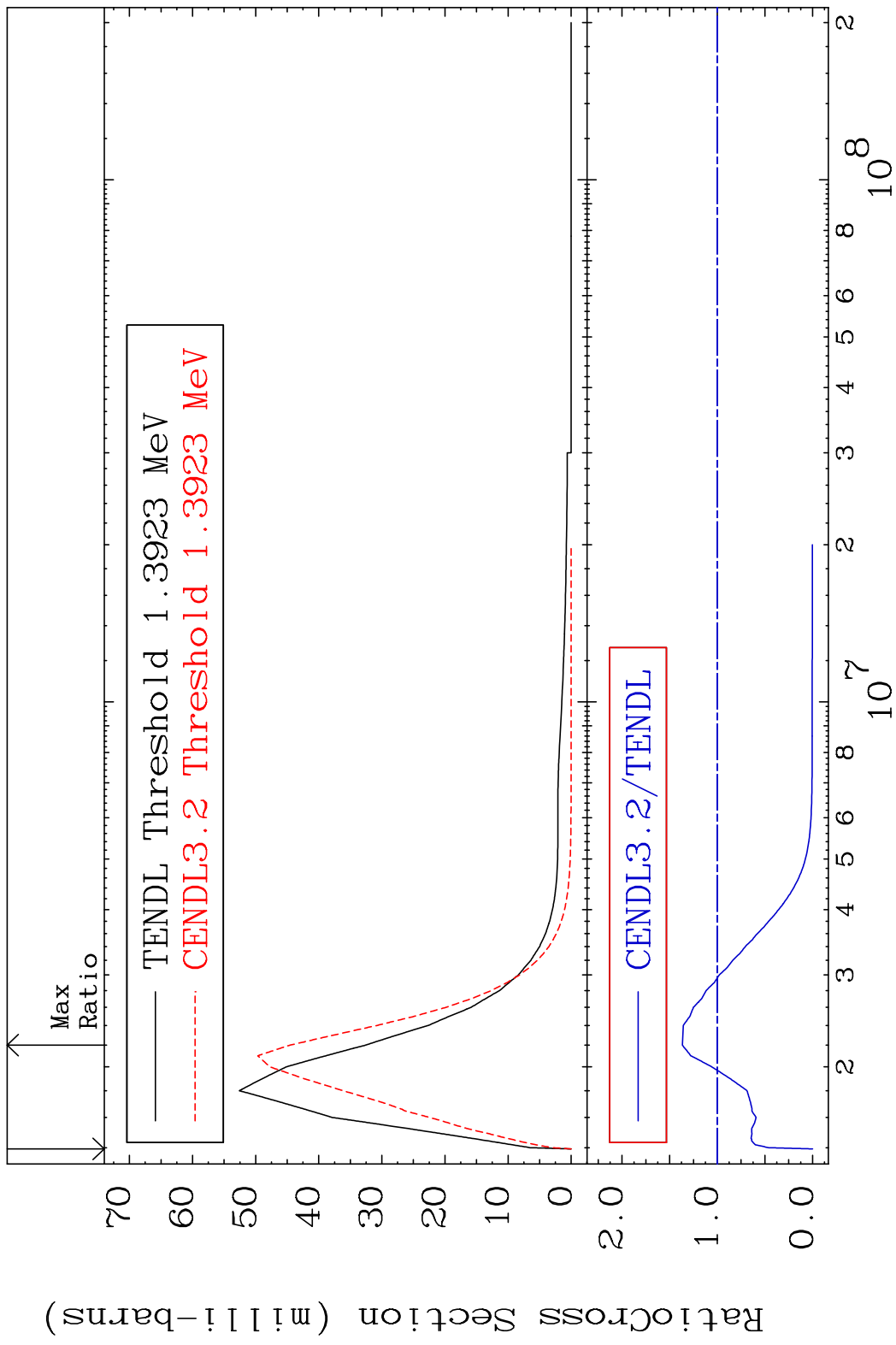
MAT 7237 MT= 63 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 9999. %



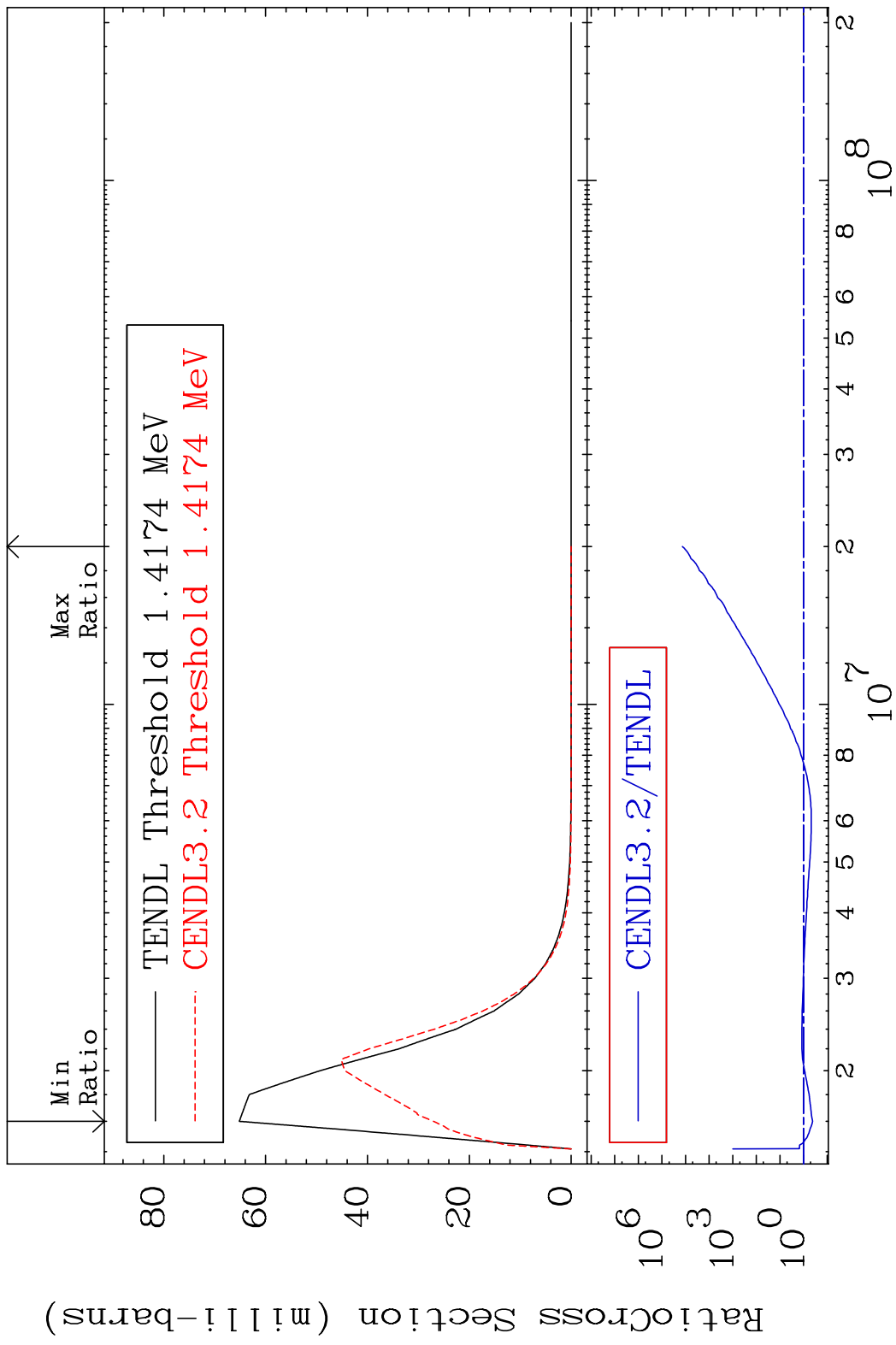
MAT 7237 MT= 64 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 37.32 %



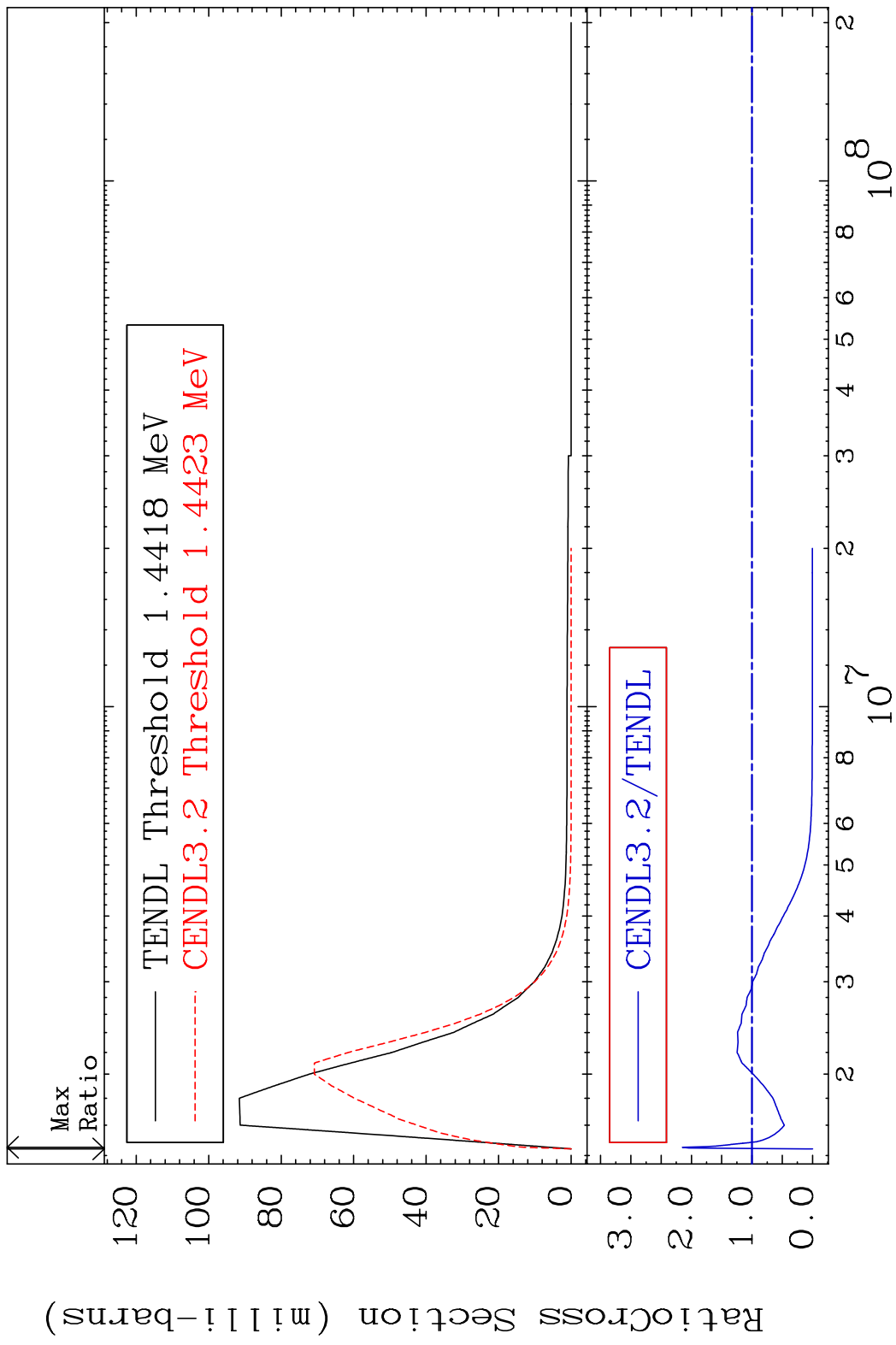
MAT 7237 MT= 65 (n,n') Level 72-Hf-178
 Cross Section -100.0 To 36.67 %



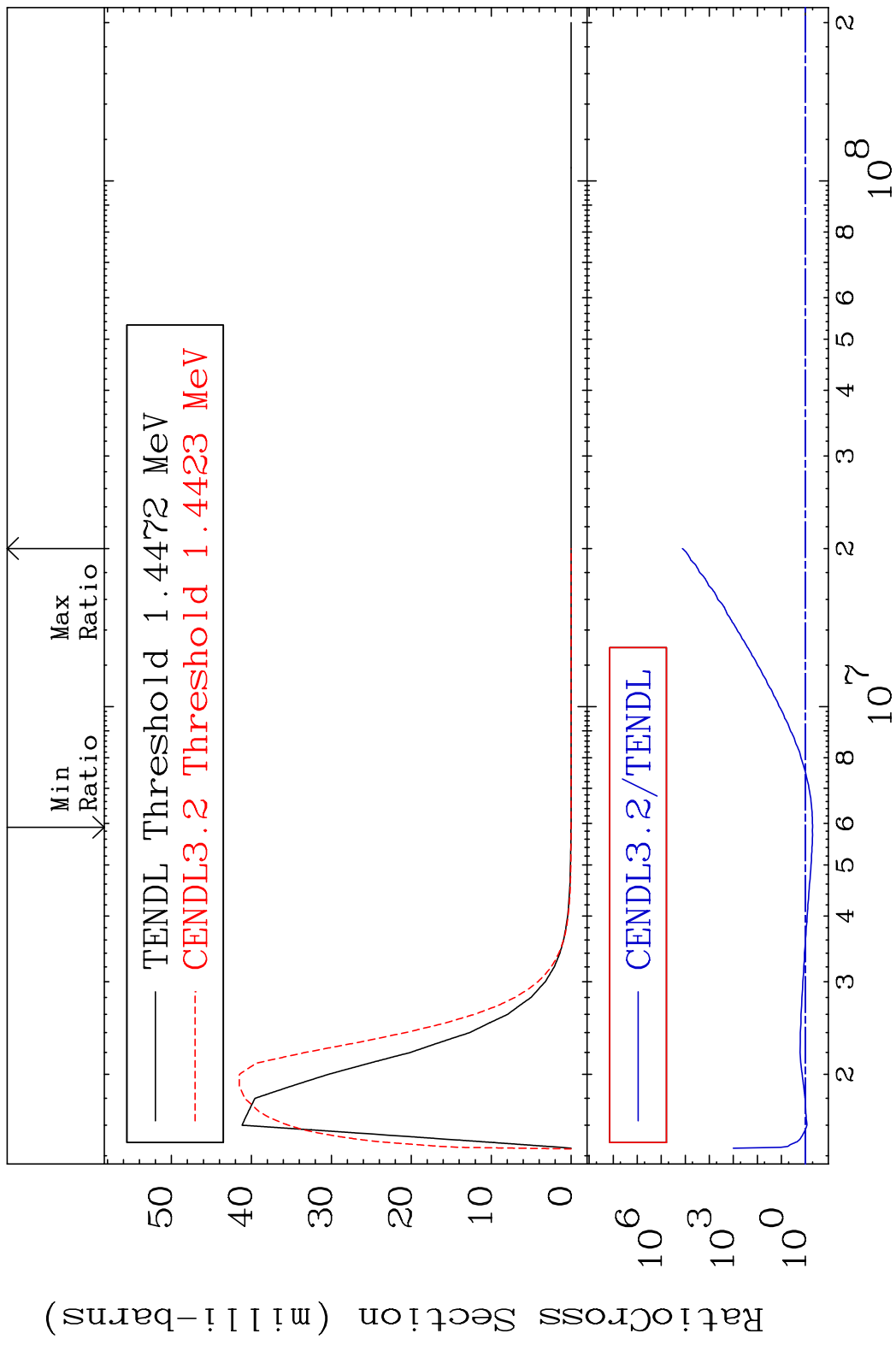
MAT 7237 MT= 66 (n, n') Level 72-Hf-178
 Cross Section -58.46 To 9999. %



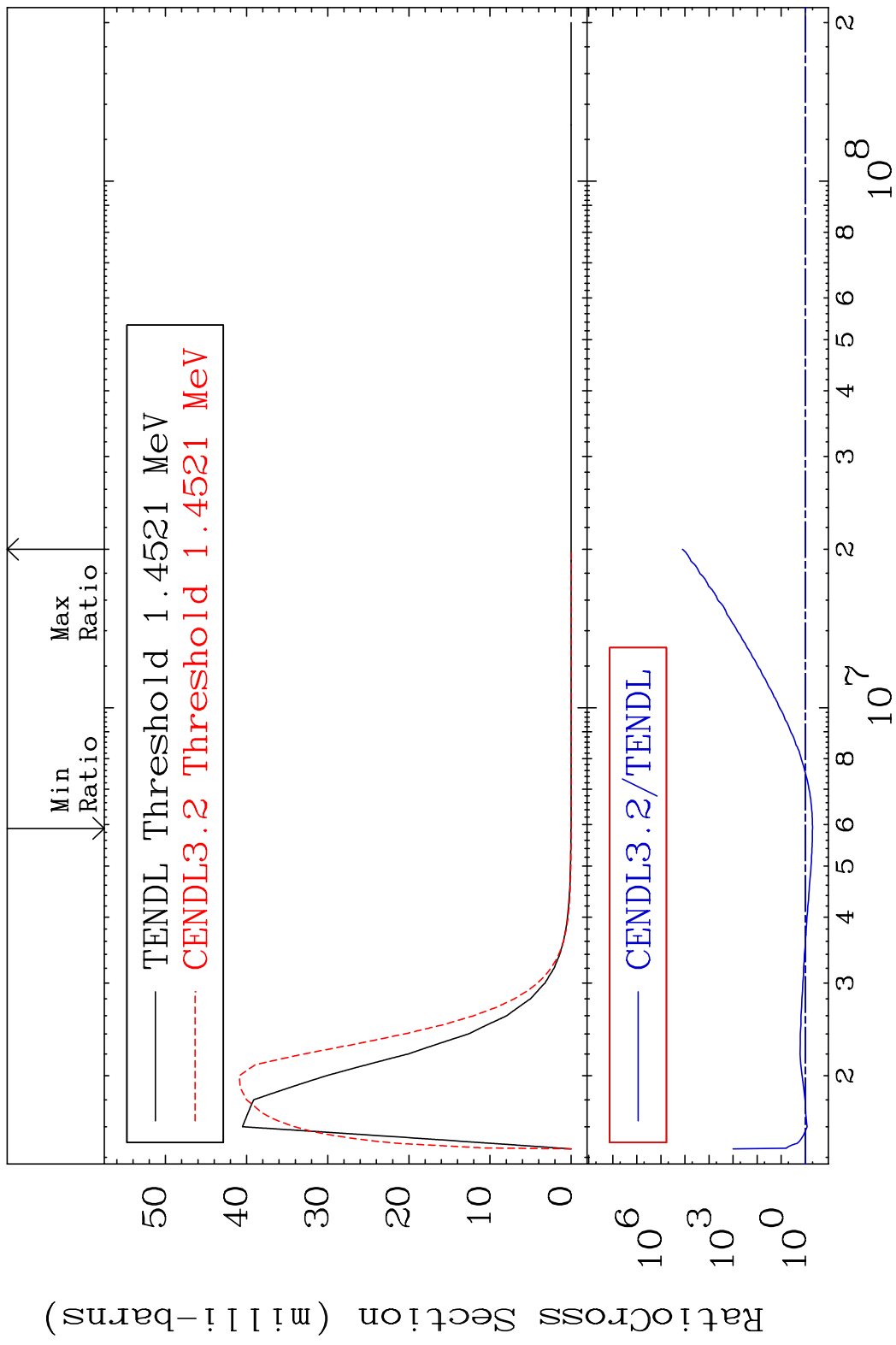
MAT 7237 MT= 67 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 115.0 %



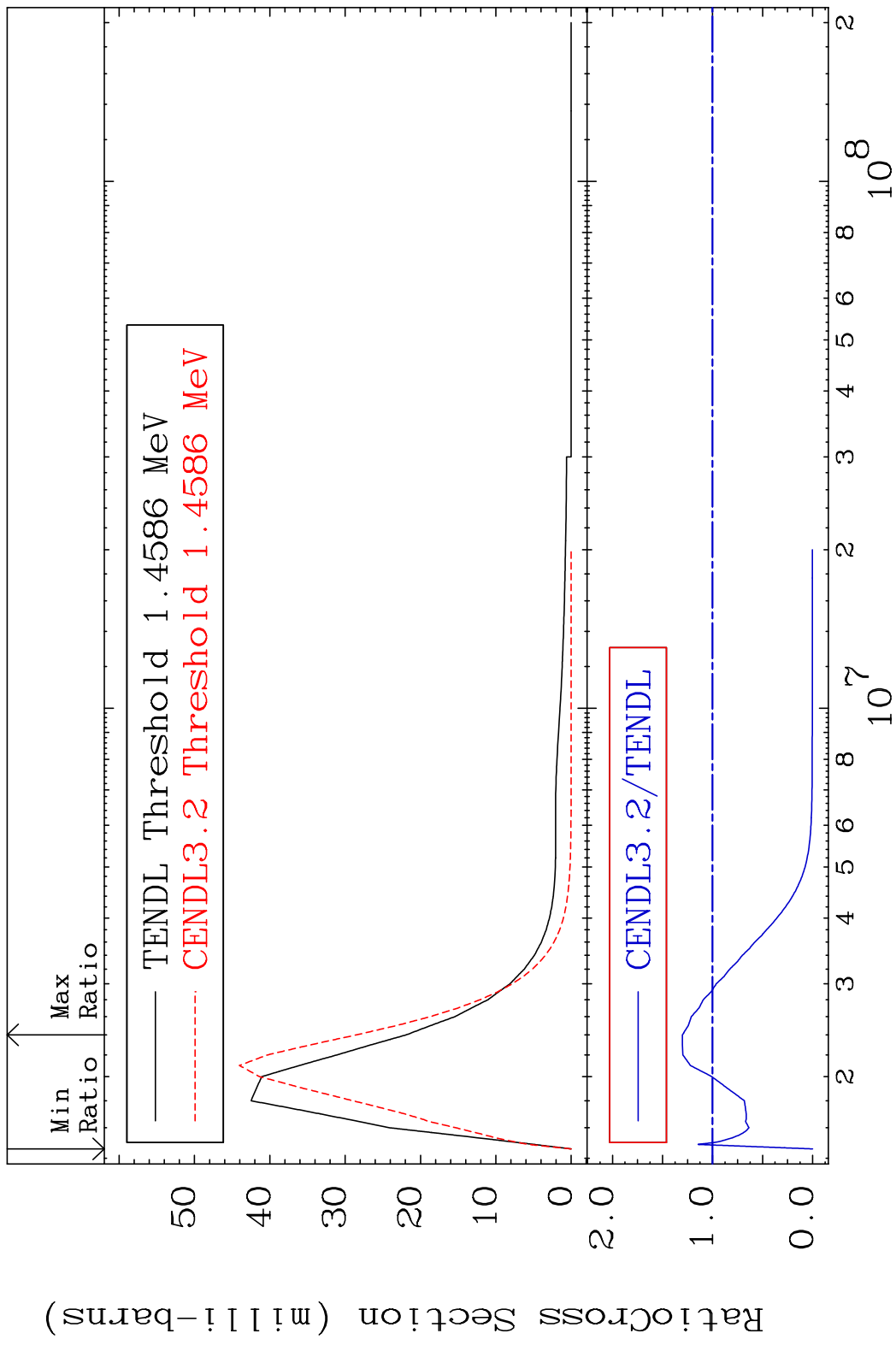
MAT 7237 MT= 68 (n, n') Level 72-Hf-178
 Cross Section -49.58 To 9999. %



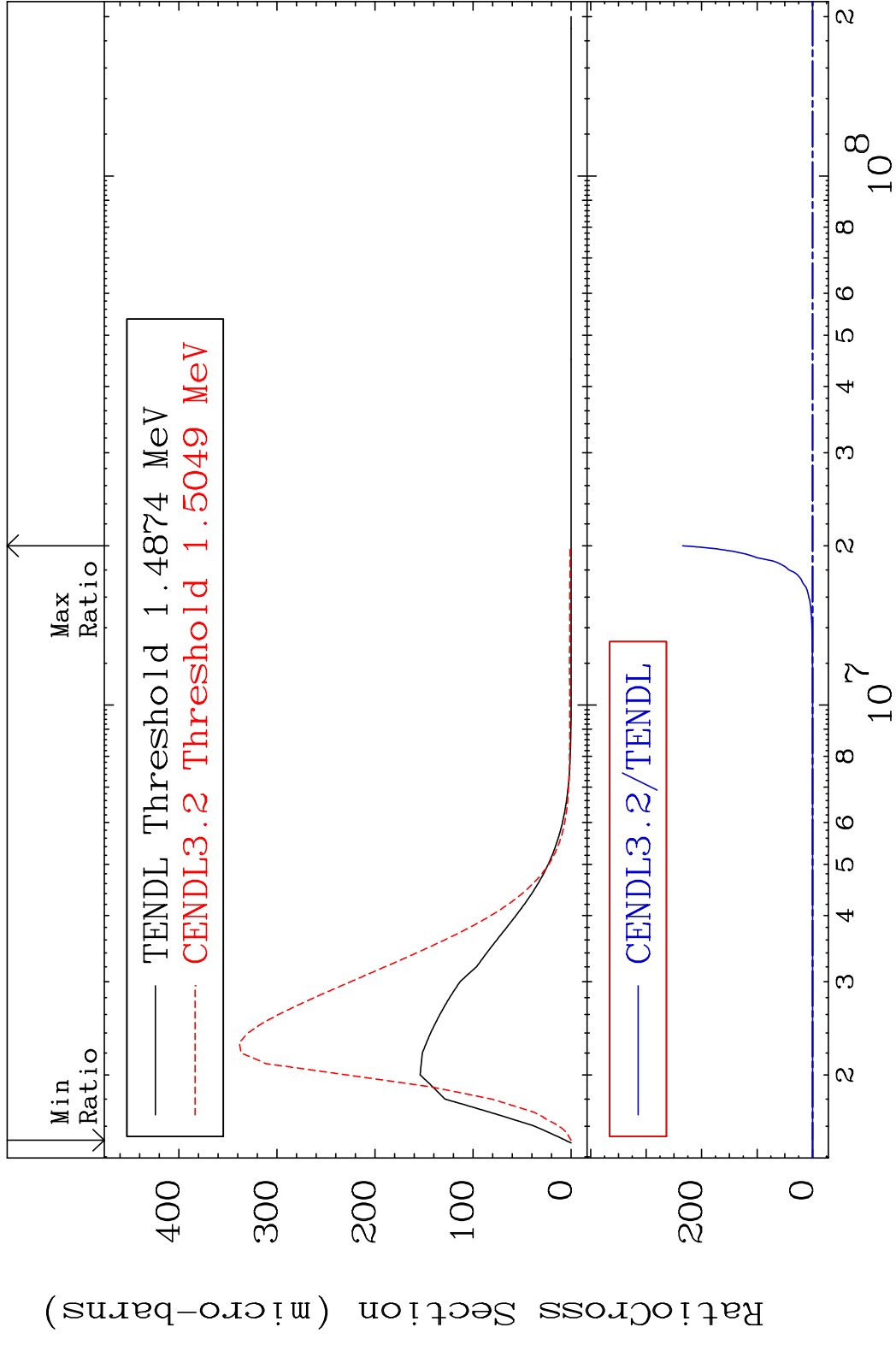
MAT 7237 MT= 69 (n, n') Level 72-Hf-178
 Cross Section -49.97 To 9999. %



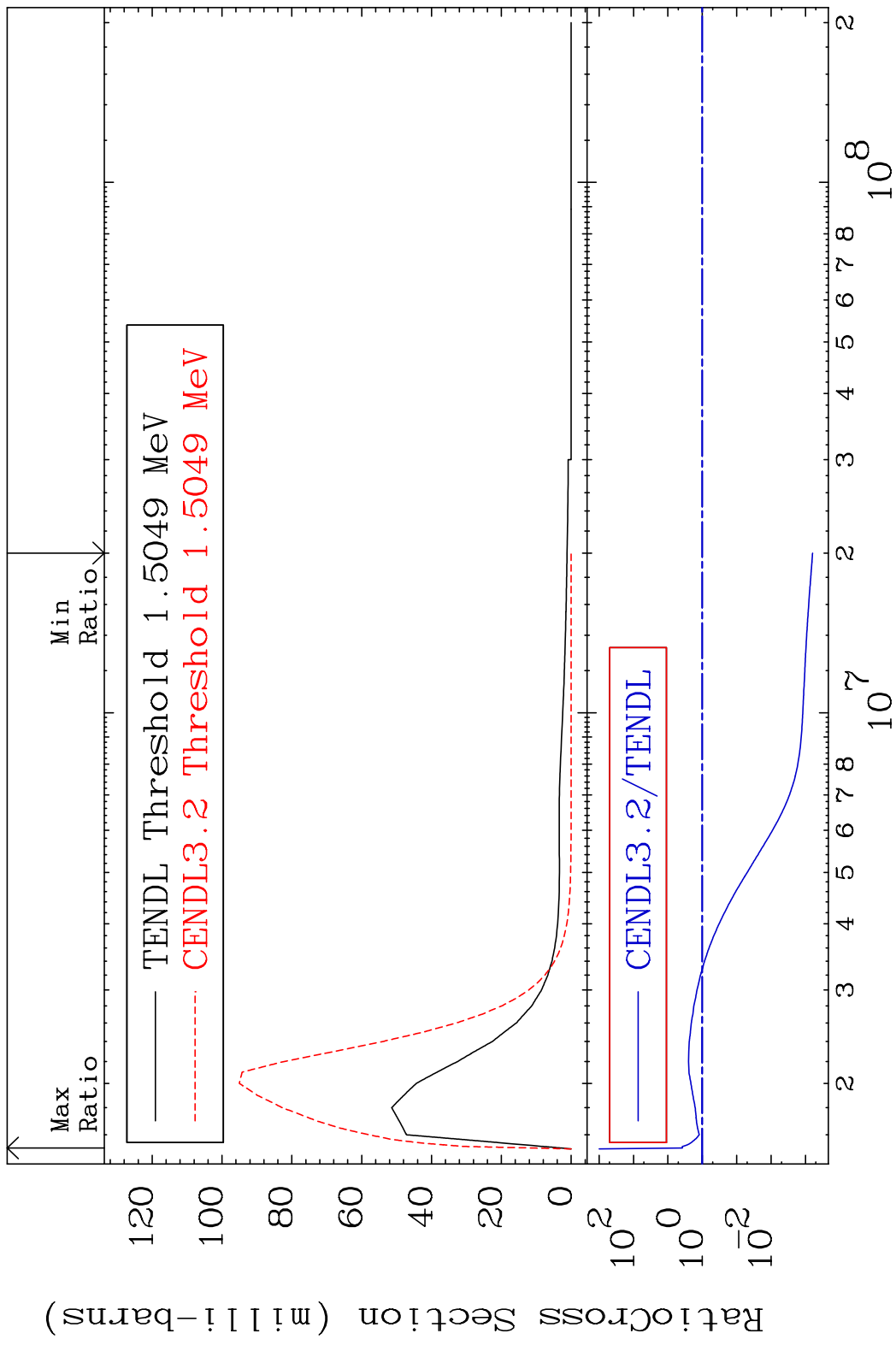
MAT 7237 MT= 70 (n,n') Level 72-Hf-178
 Cross Section -100.0 To 30.18 %



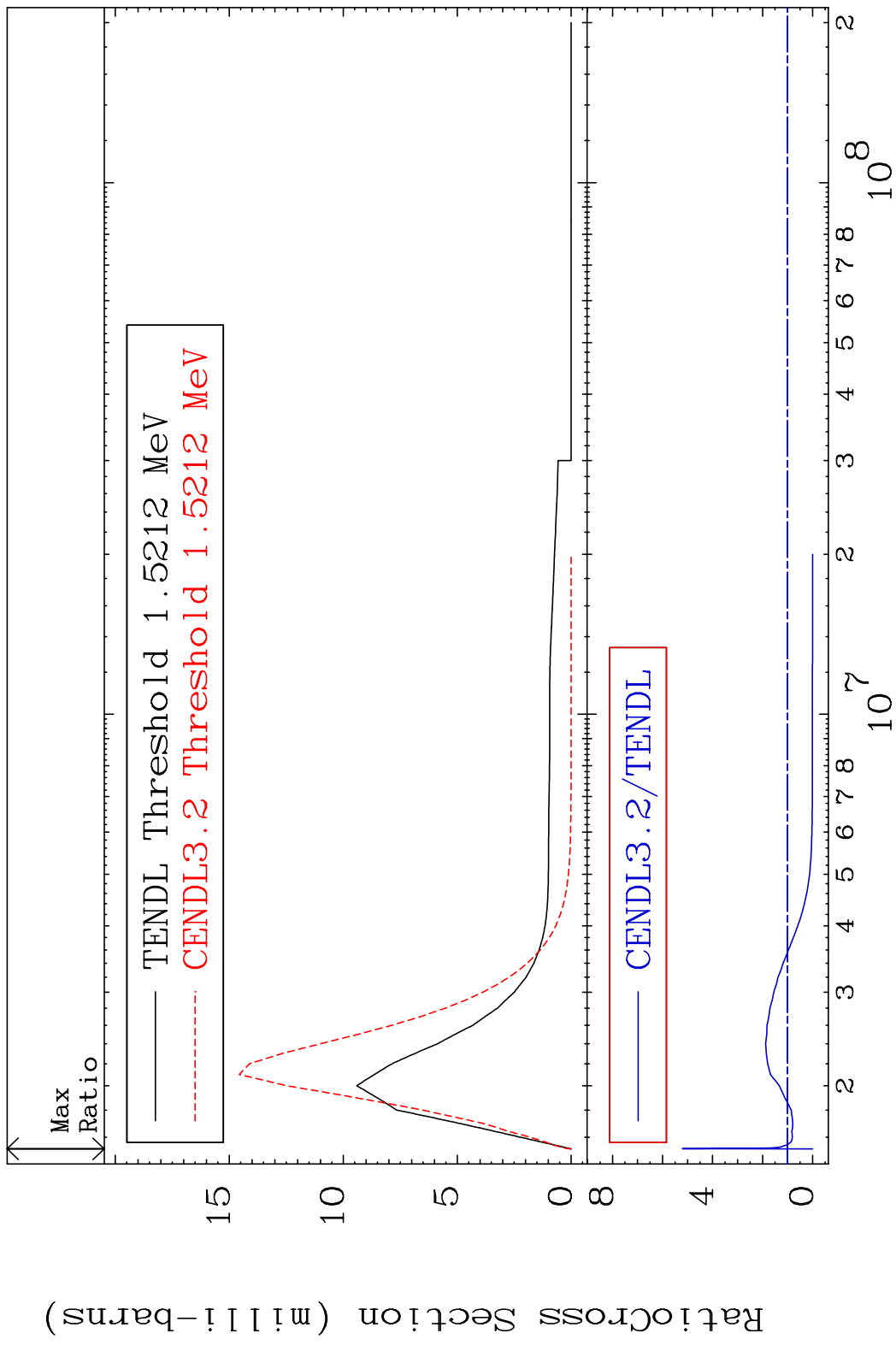
MAT 7237 MT= 71 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 9999. %



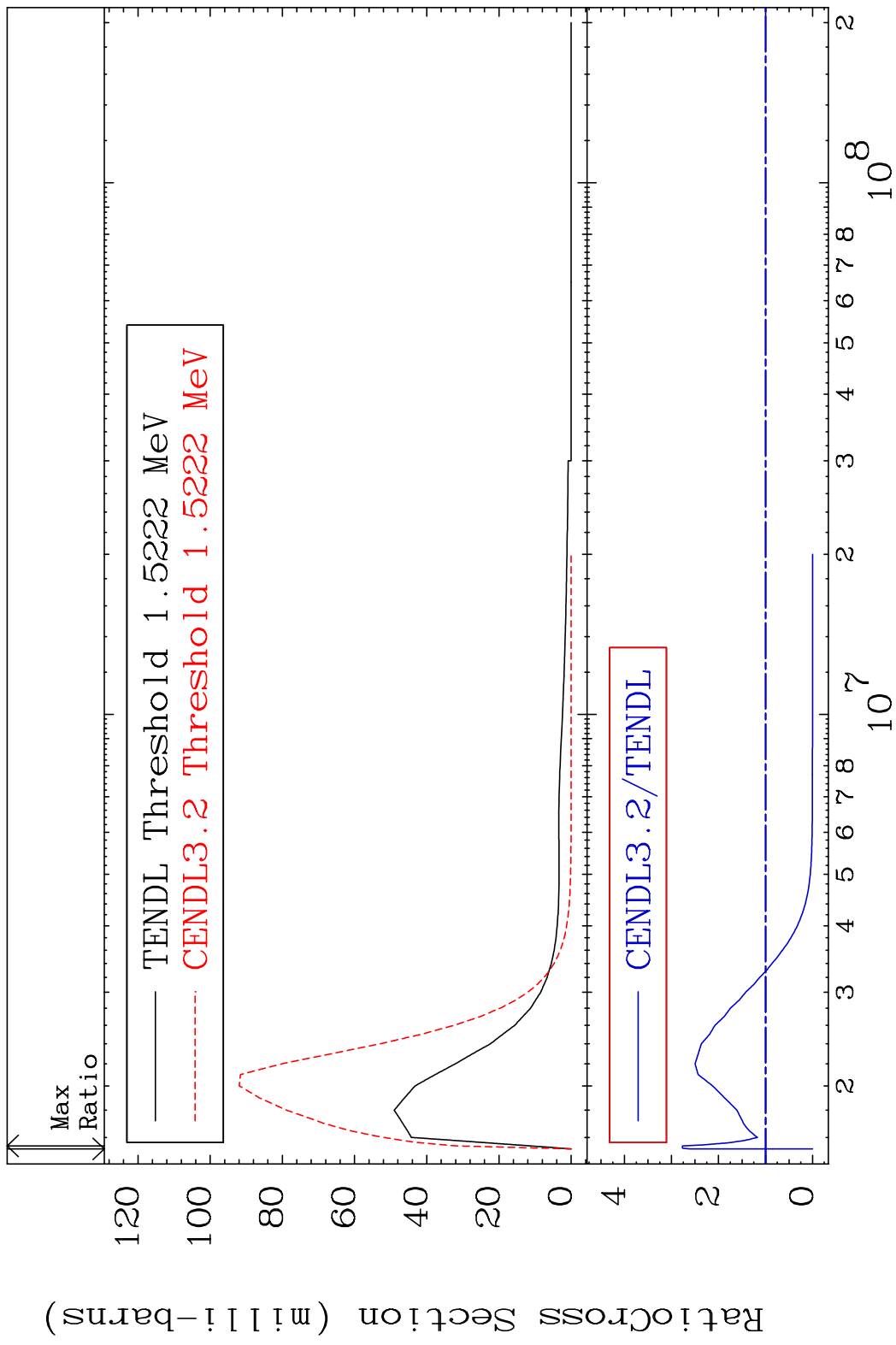
MAT 7237 MT= 72 (n, n') Level 72-Hf-178
 Cross Section -99.94 To 280.1 %



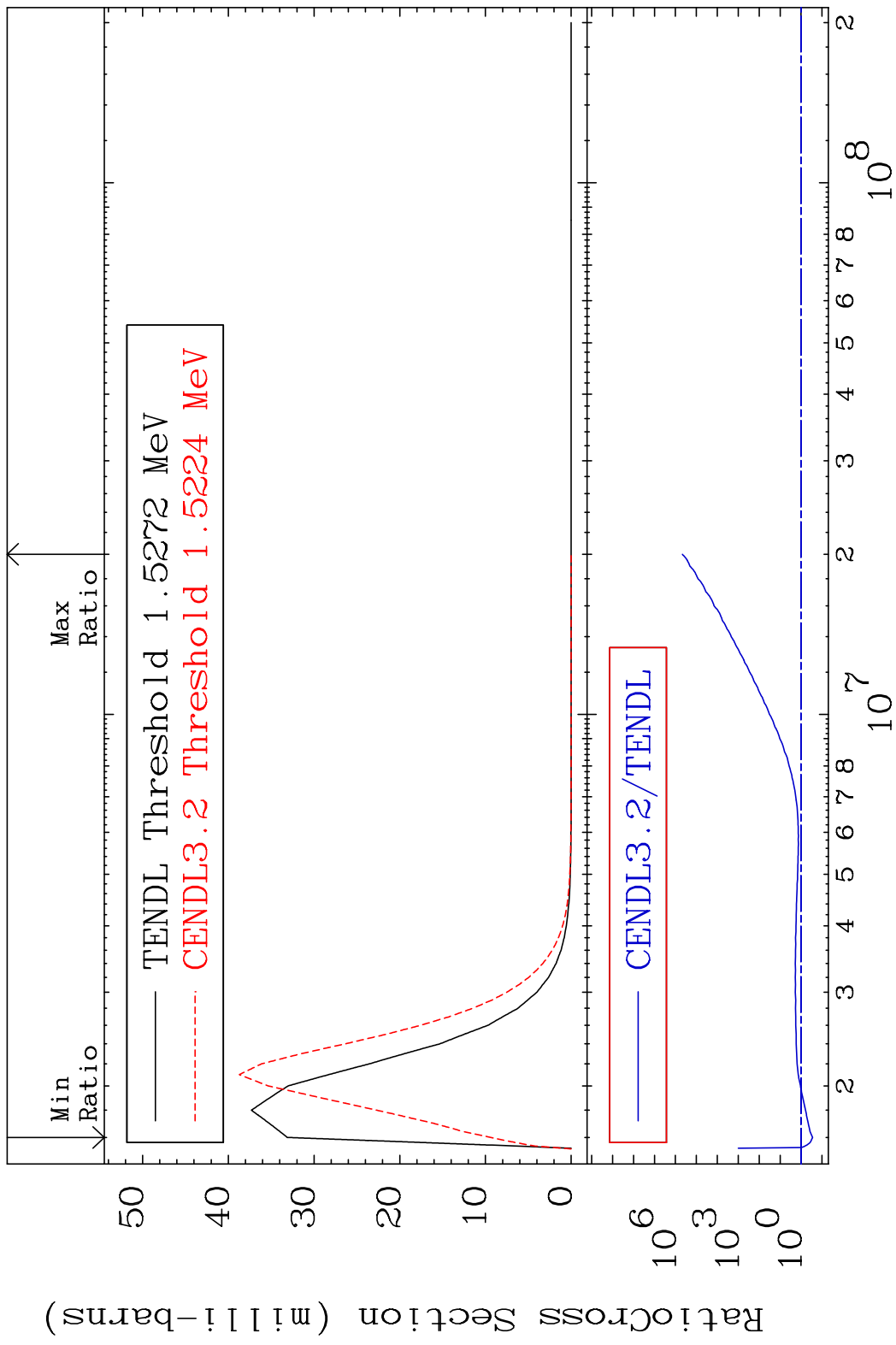
MAT 7237 MT= 73 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 420.7 %



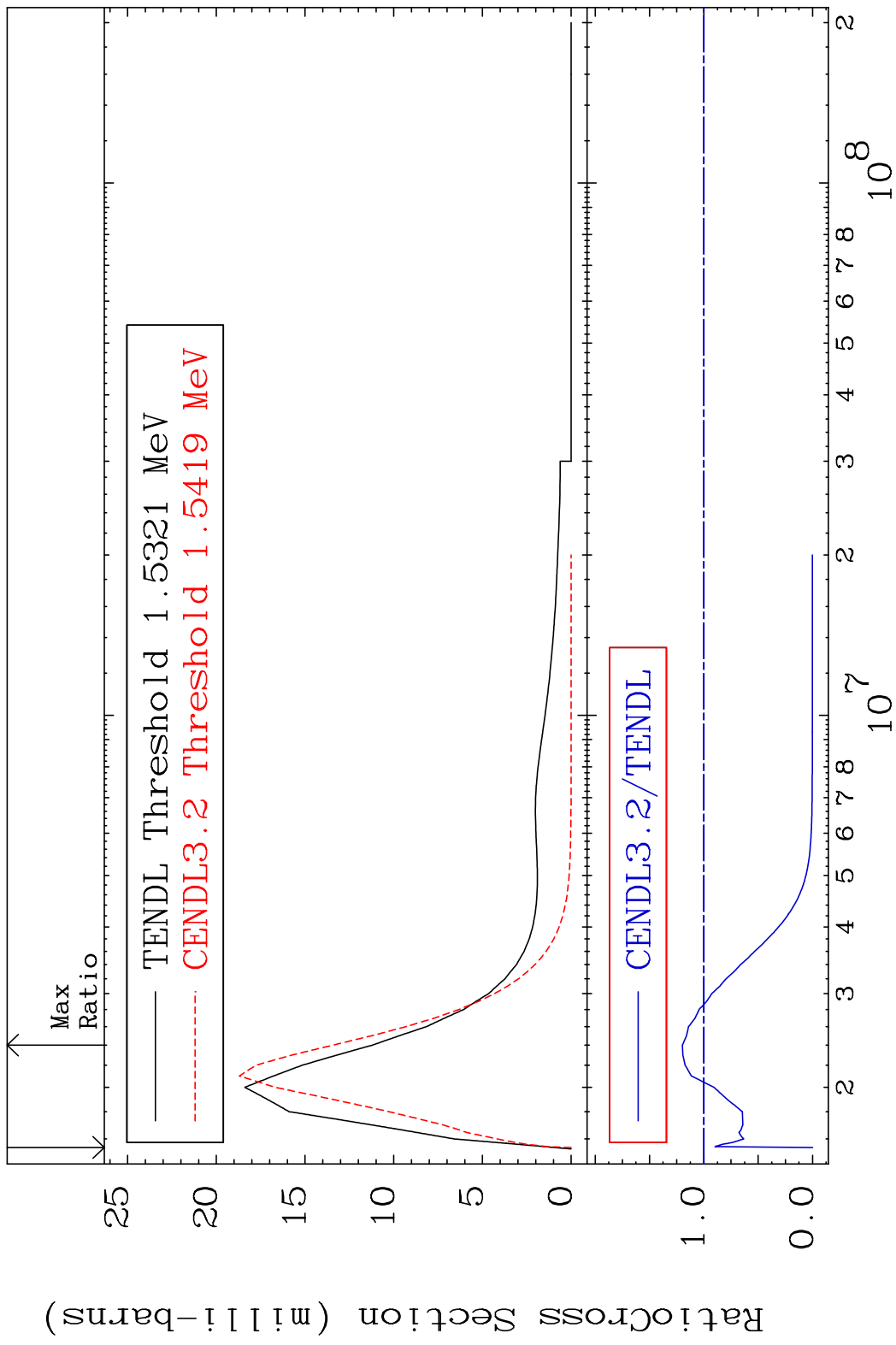
MAT 7237 MT= 74 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 176.9 %



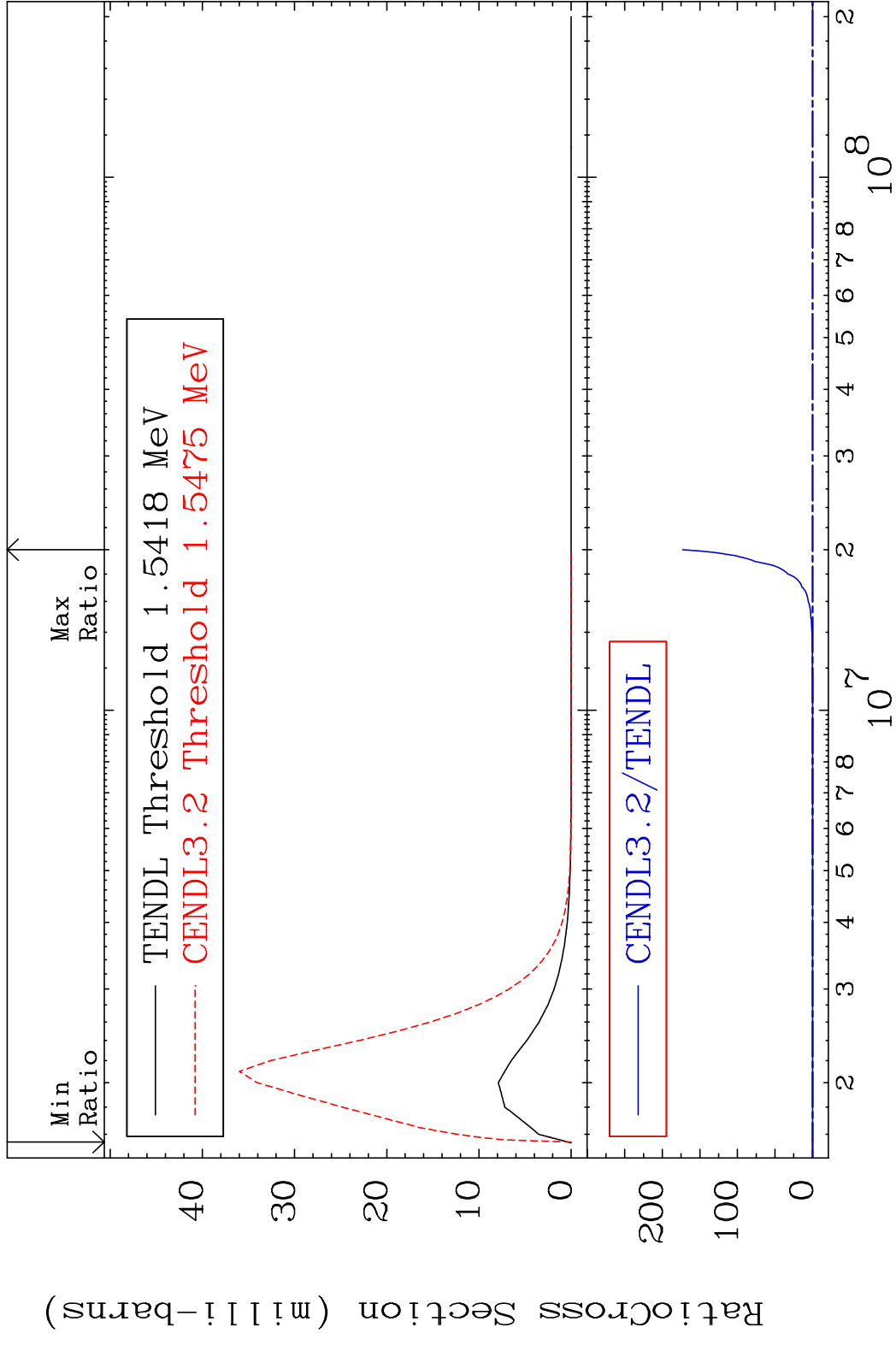
MAT 7237 MT= 75 (n,n') Level 72-Hf-178
 Cross Section -71.74 To 9999. %



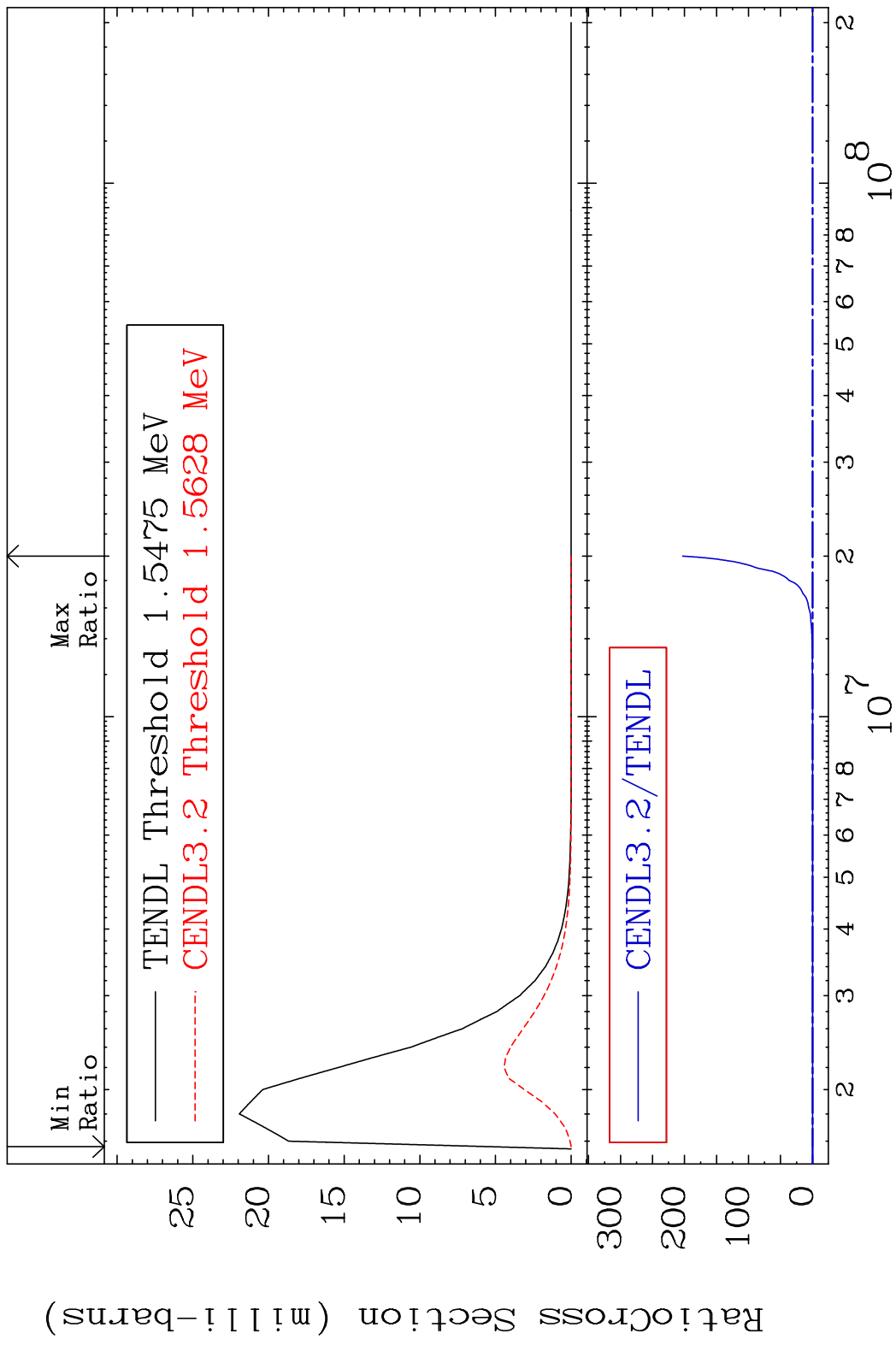
MAT 7237 MT= 76 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 19.80 %



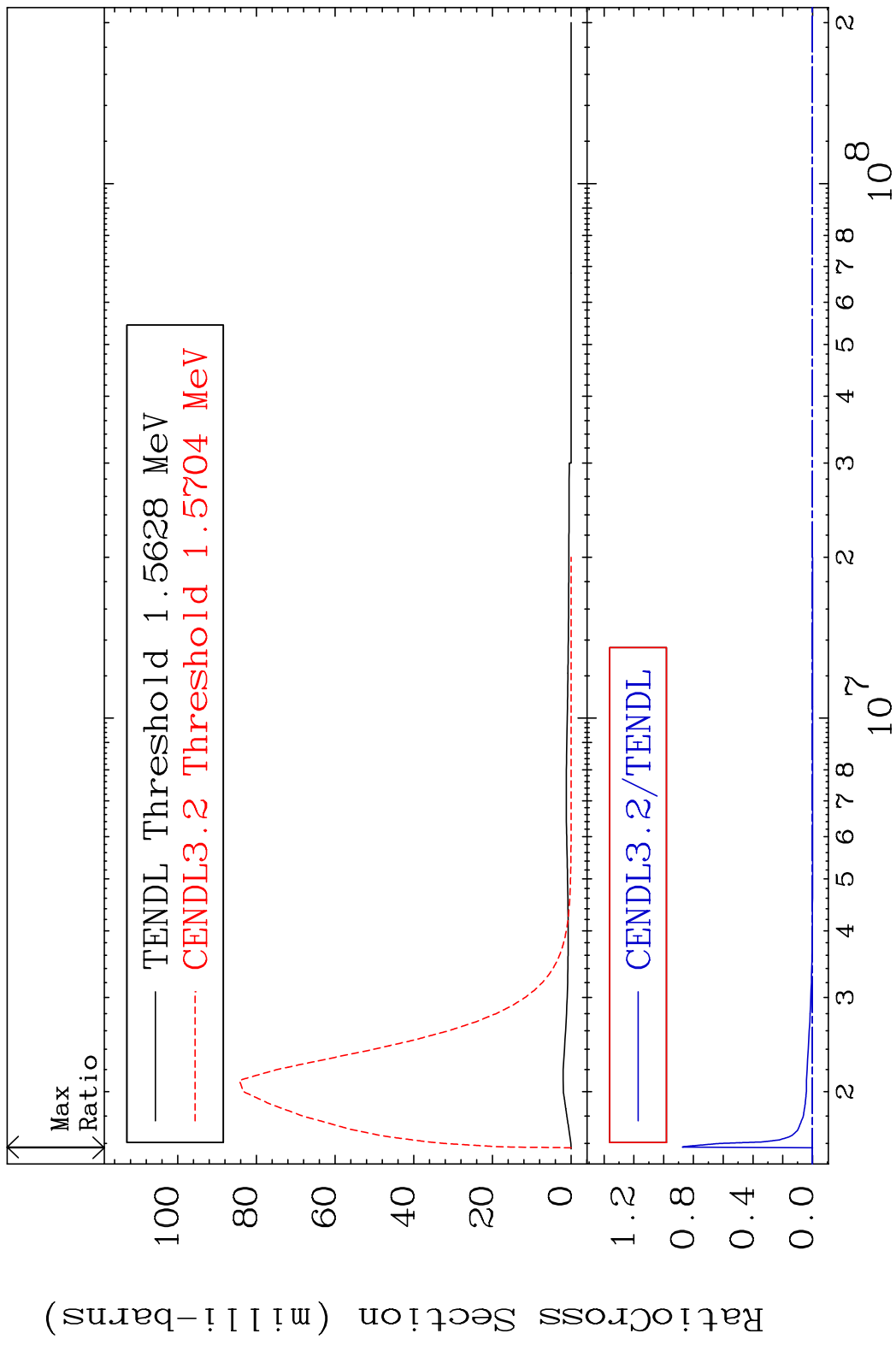
MAT 7237 MT= 77 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 9999. %



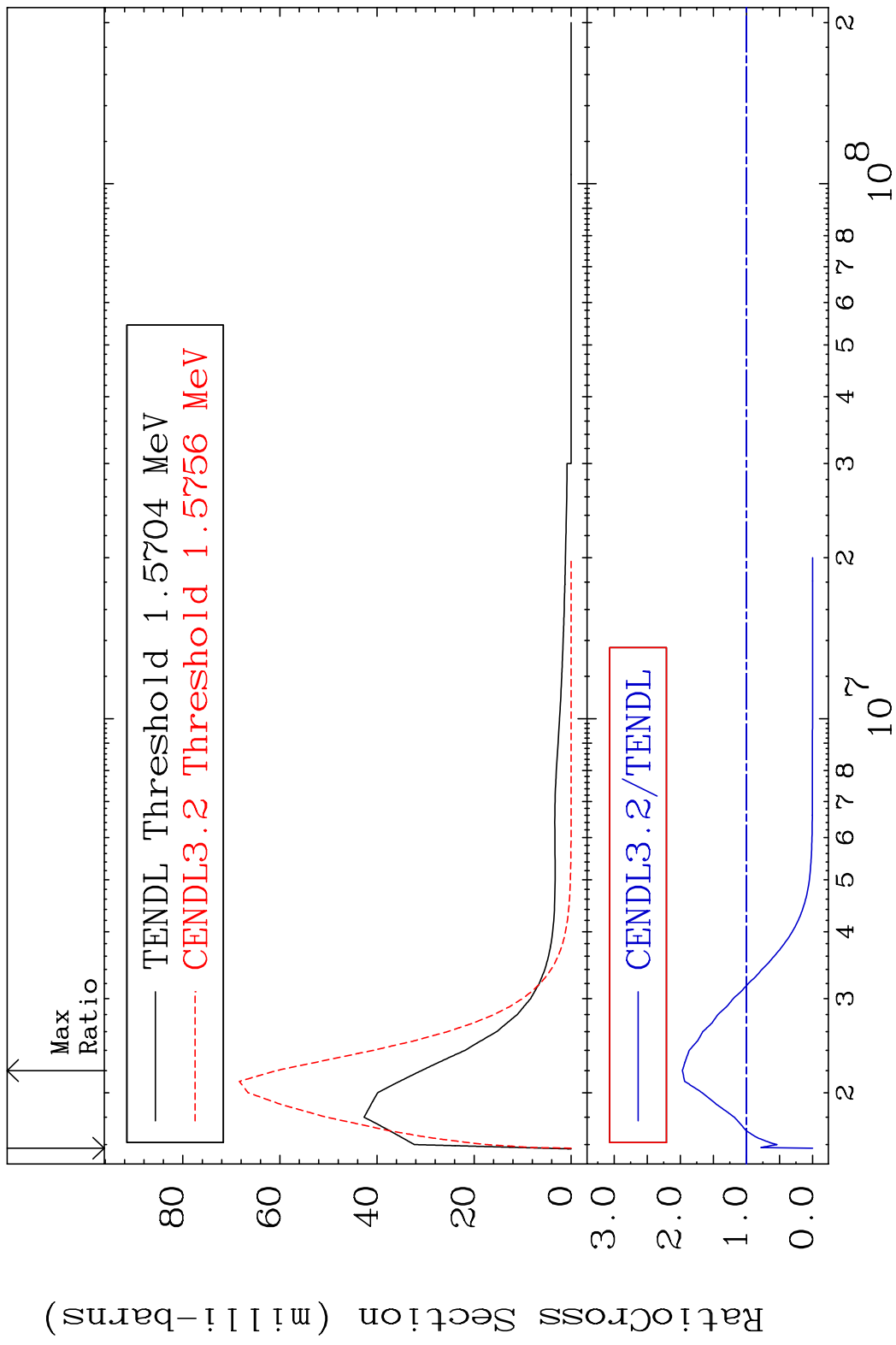
MAT 7237 MT= 78 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 9999. %



MAT 7237 MT= 79 (n,n') Level 72-Hf-178
 Cross Section -100.0 To 9999. %



MAT 7237 MT= 80 (n, n') Level 72-Hf-178
 Cross Section -100.0 To 96.92 %

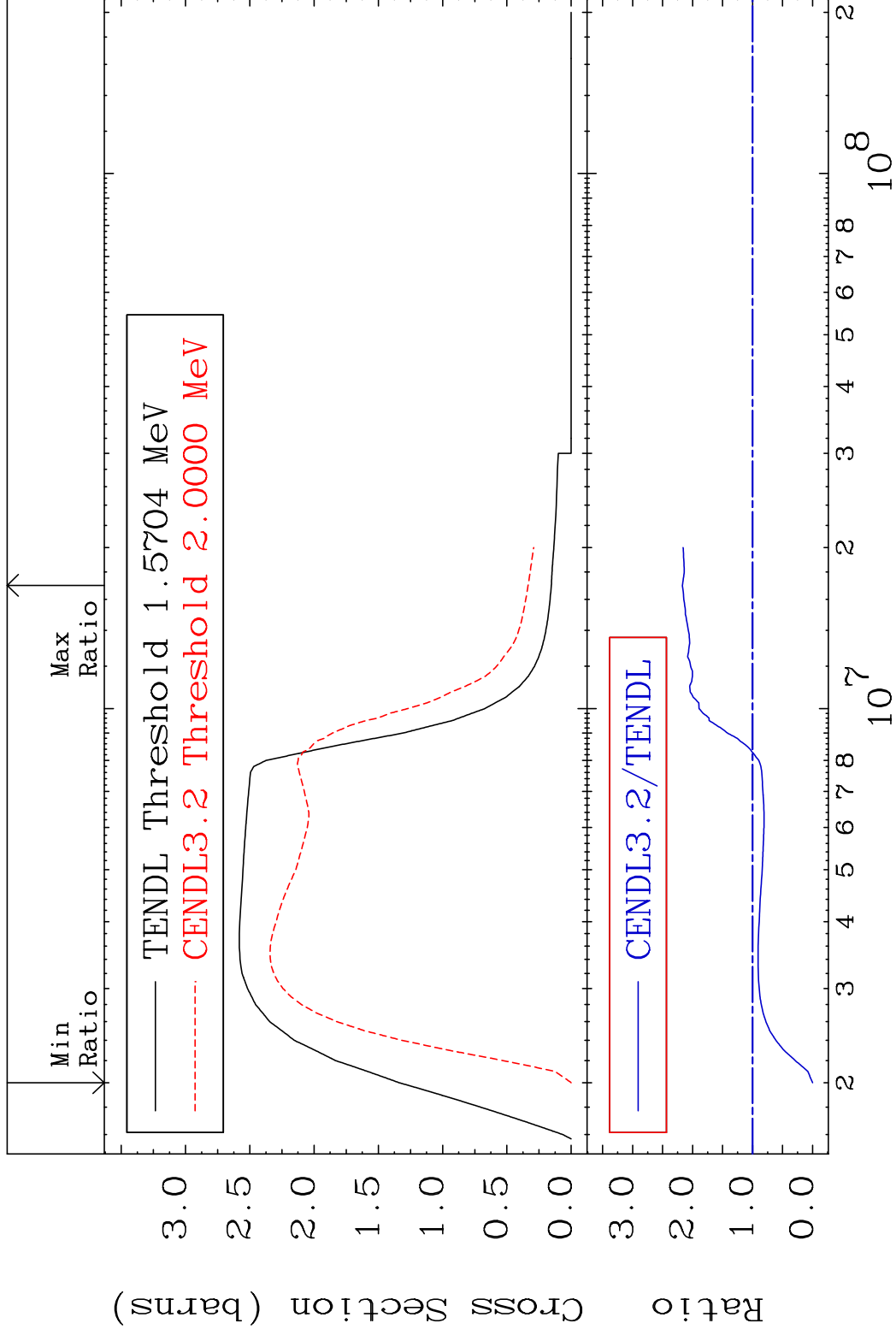


MAT 7237

(n, n') Continuum

72-Hf-178

Cross Section -100.0 To 117.1 %

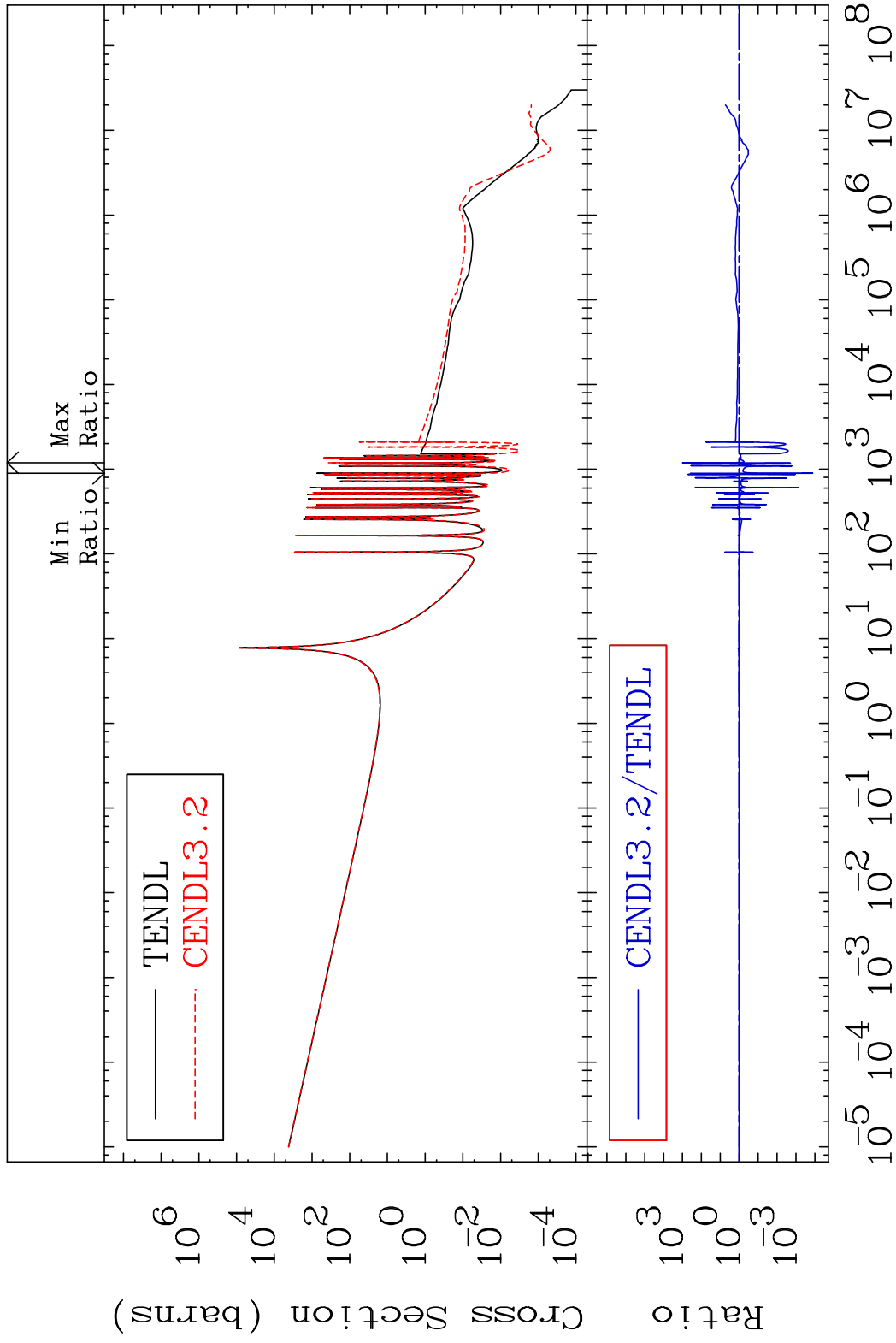


MAT 7237

(n, γ)

72-Hf-178

Cross Section -99.99 To 9999. %



39

Incident Energy (eV)

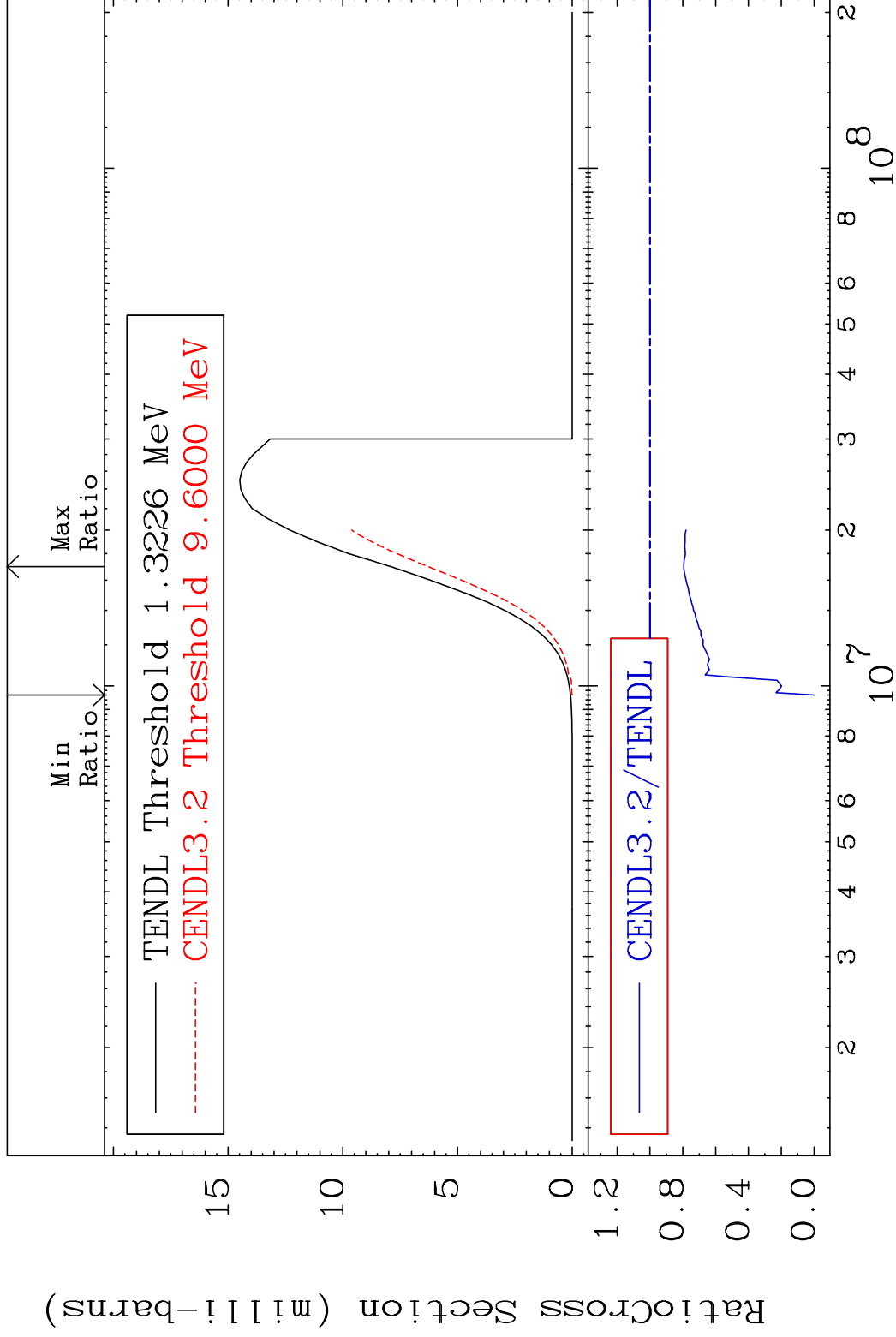
72-Hf-178

MAT 7237

(n, p)

72-Hf-178

Cross Section -100.0 To -20.54%



40

Incident Energy (eV)

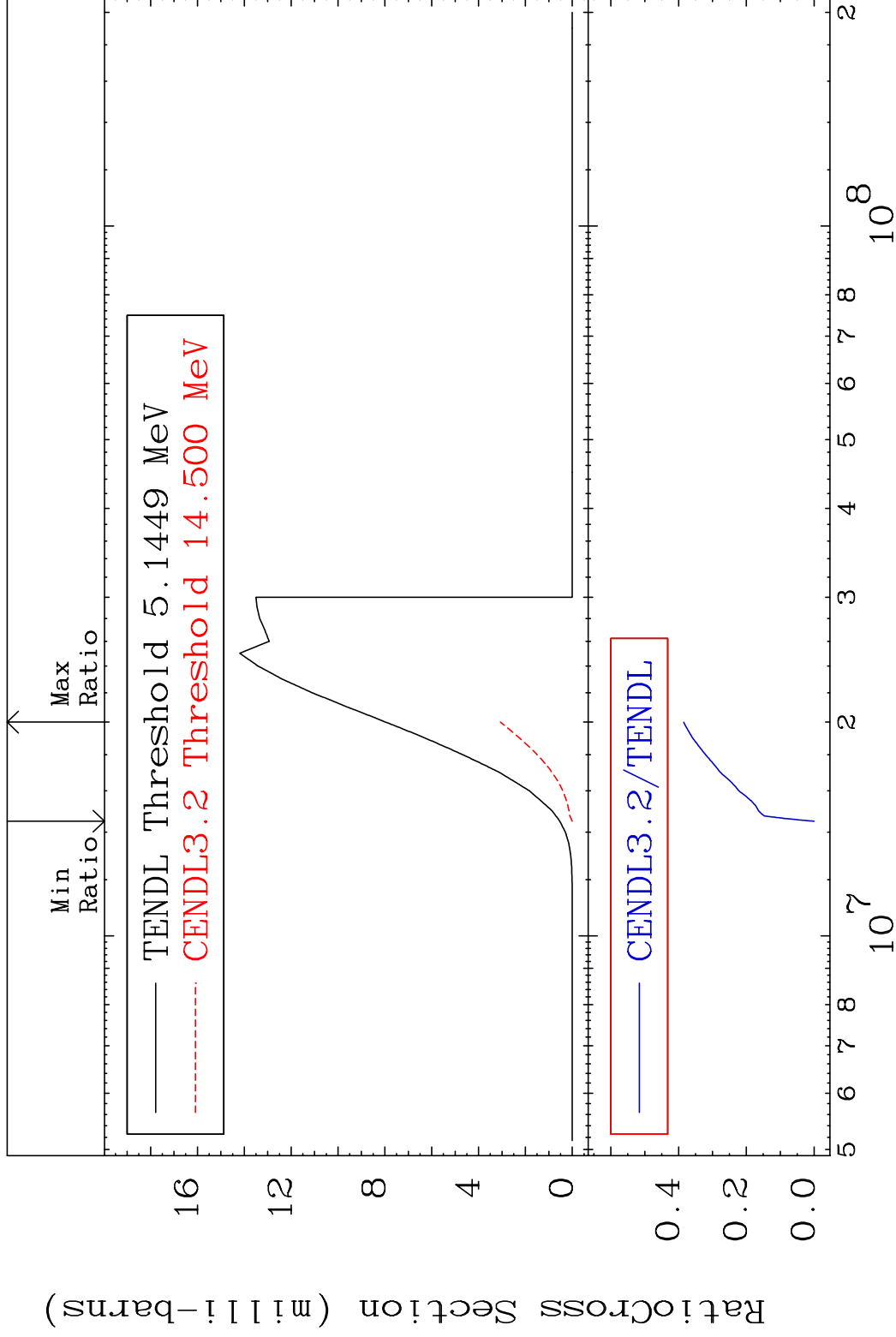
72-Hf-178

MAT 7237

(n, d)

72-Hf-178

Cross Section -100.0 To -61.48%



41

Incident Energy (eV)

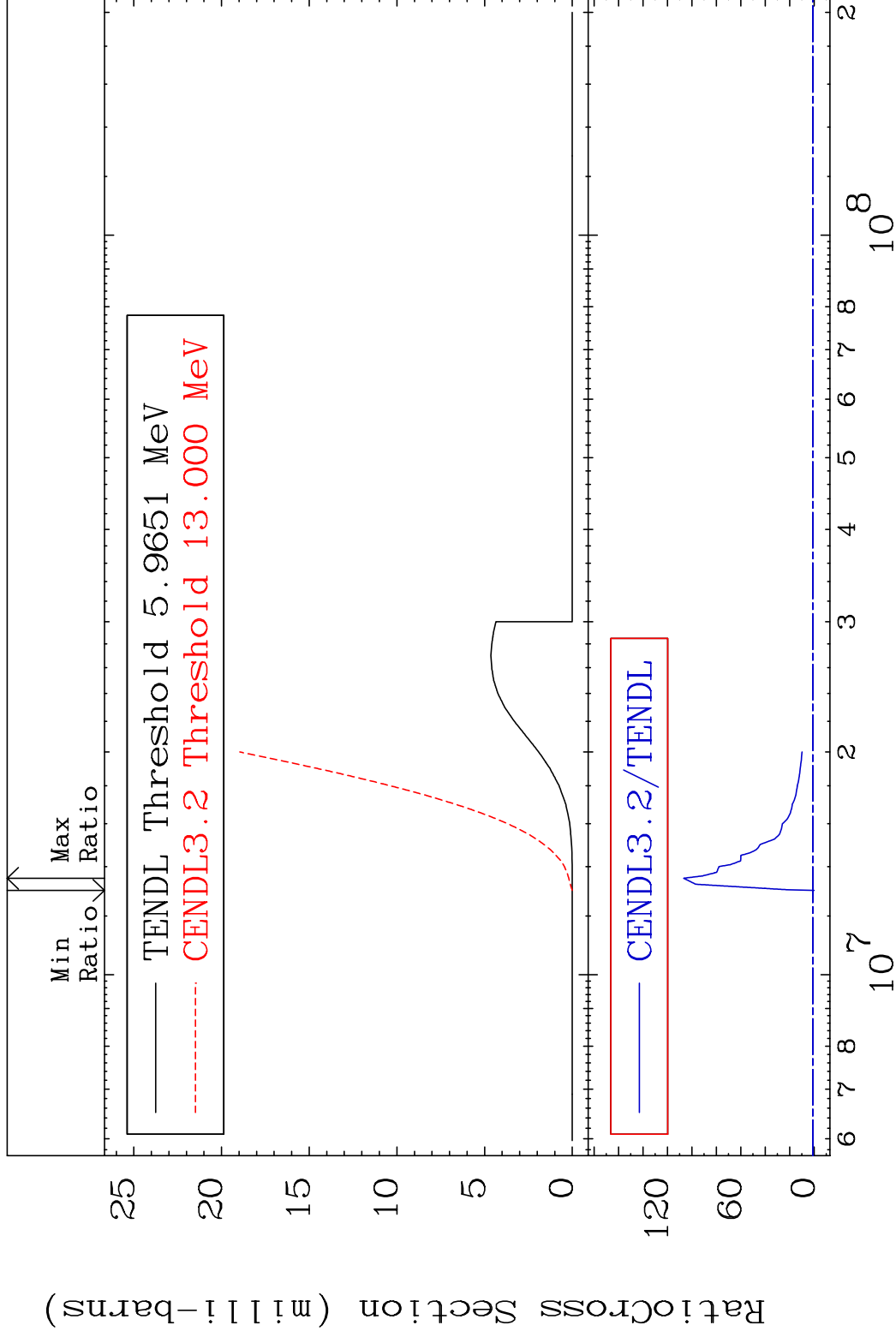
72-Hf-178

MAT 7237

(n, t)

72-Hf-178

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

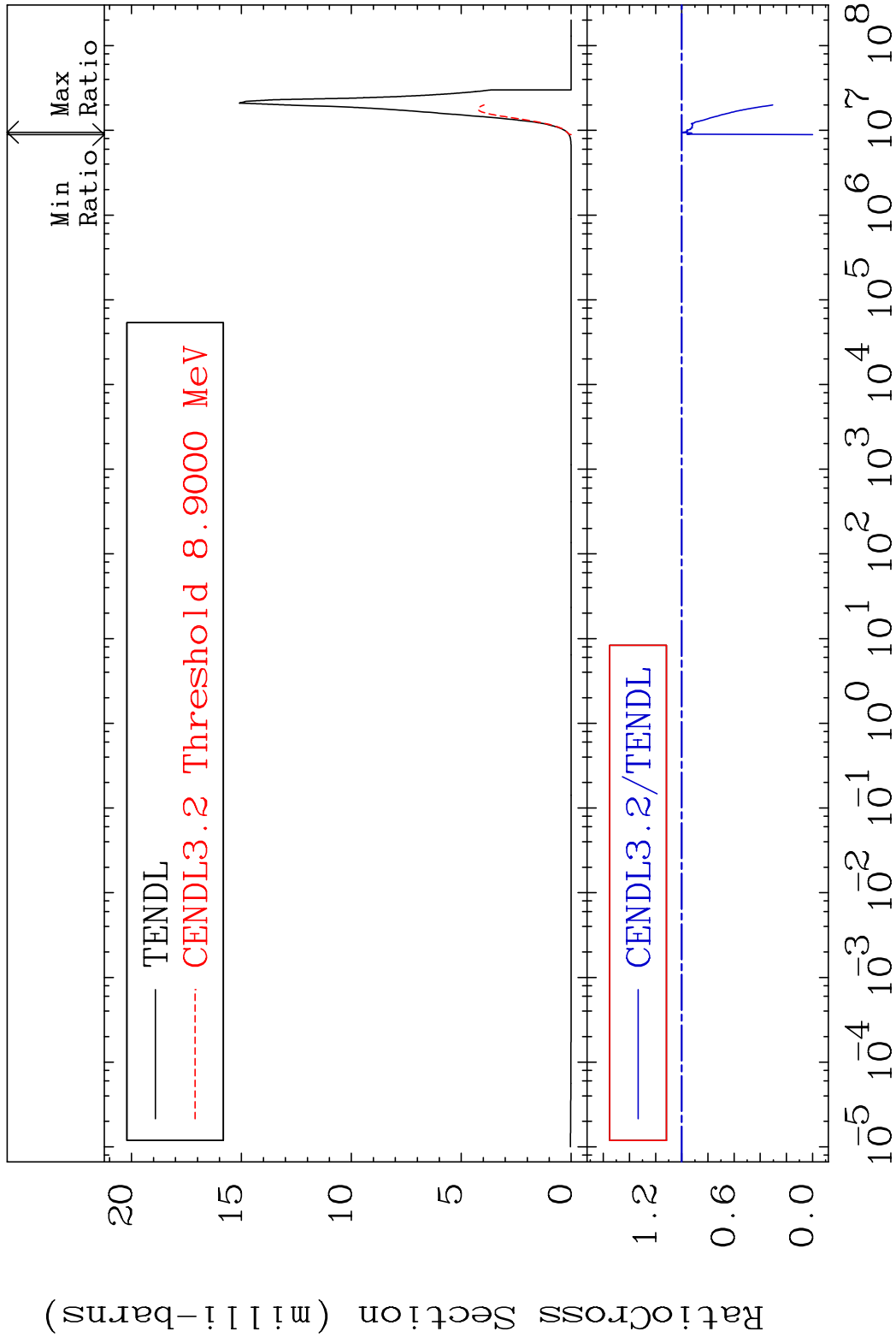
72-Hf-178

MAT 7237

(n, α)

72-Hf-178

Cross Section -100.0 To -0.451%

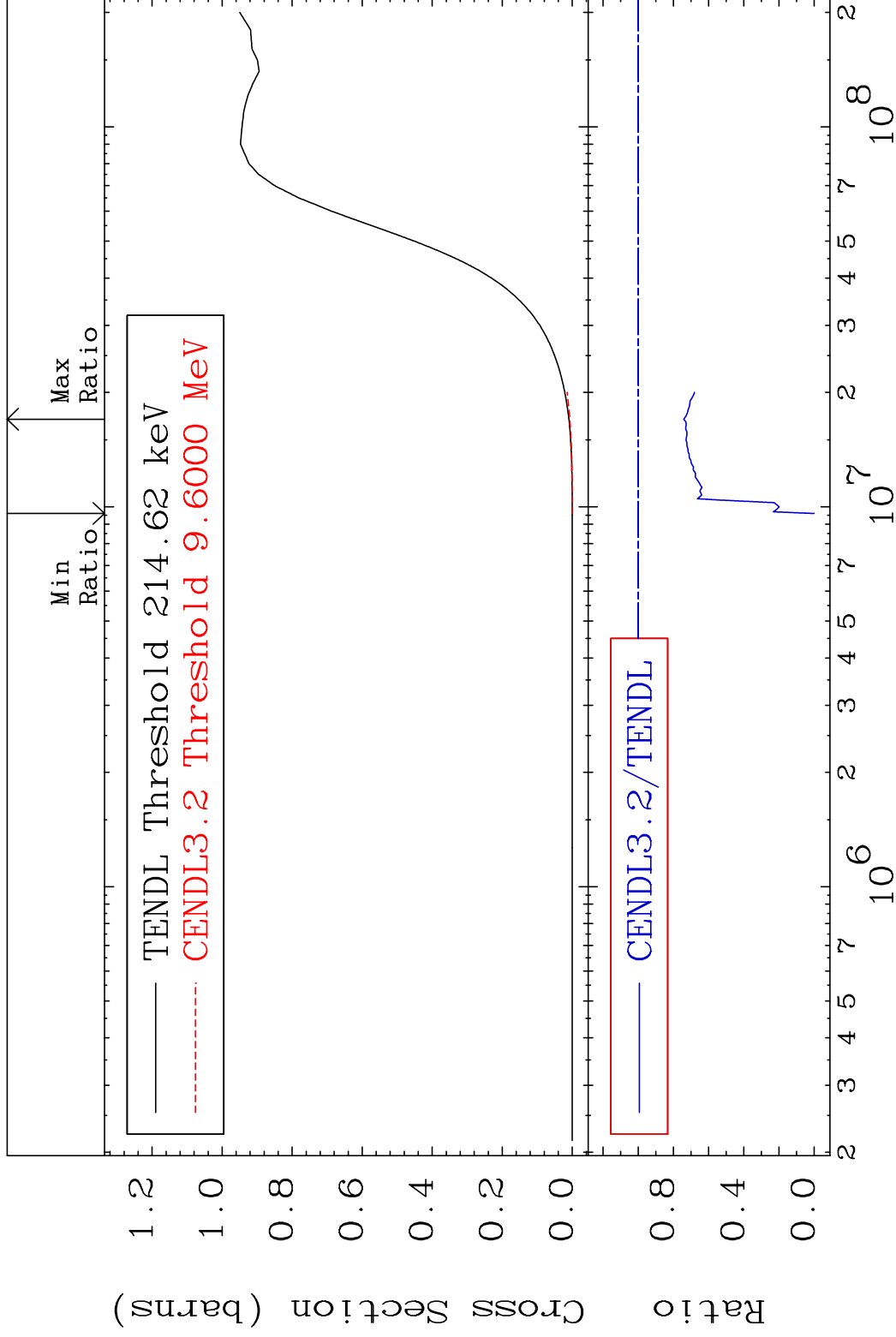


43

Incident Energy (eV)

72-Hf-178

Cross Section -100.0 To -25.85%

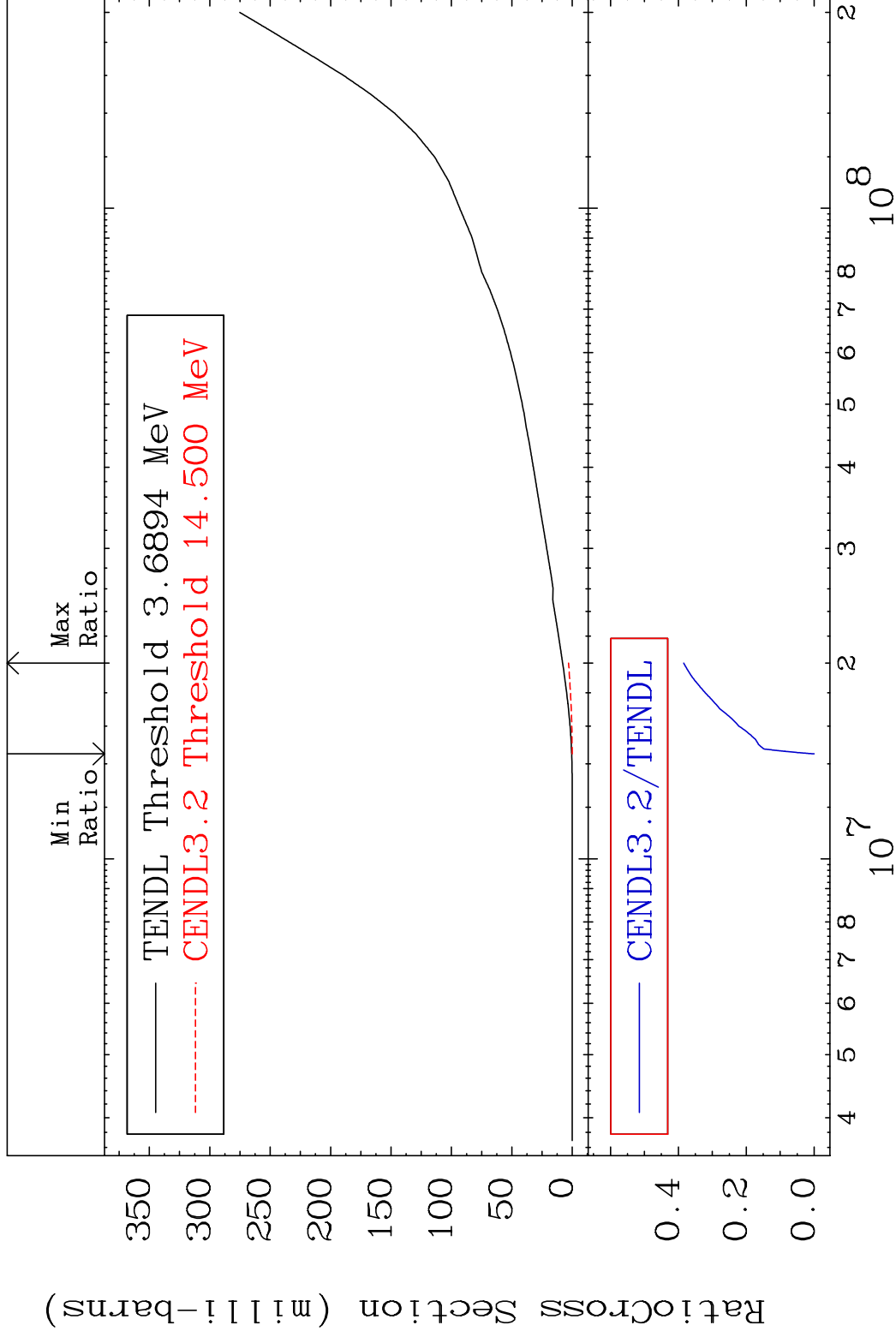


MAT 7237

Deuterium Production

72-Hf-178

Cross Section -100.0 To -61.56%



45

Incident Energy (eV)

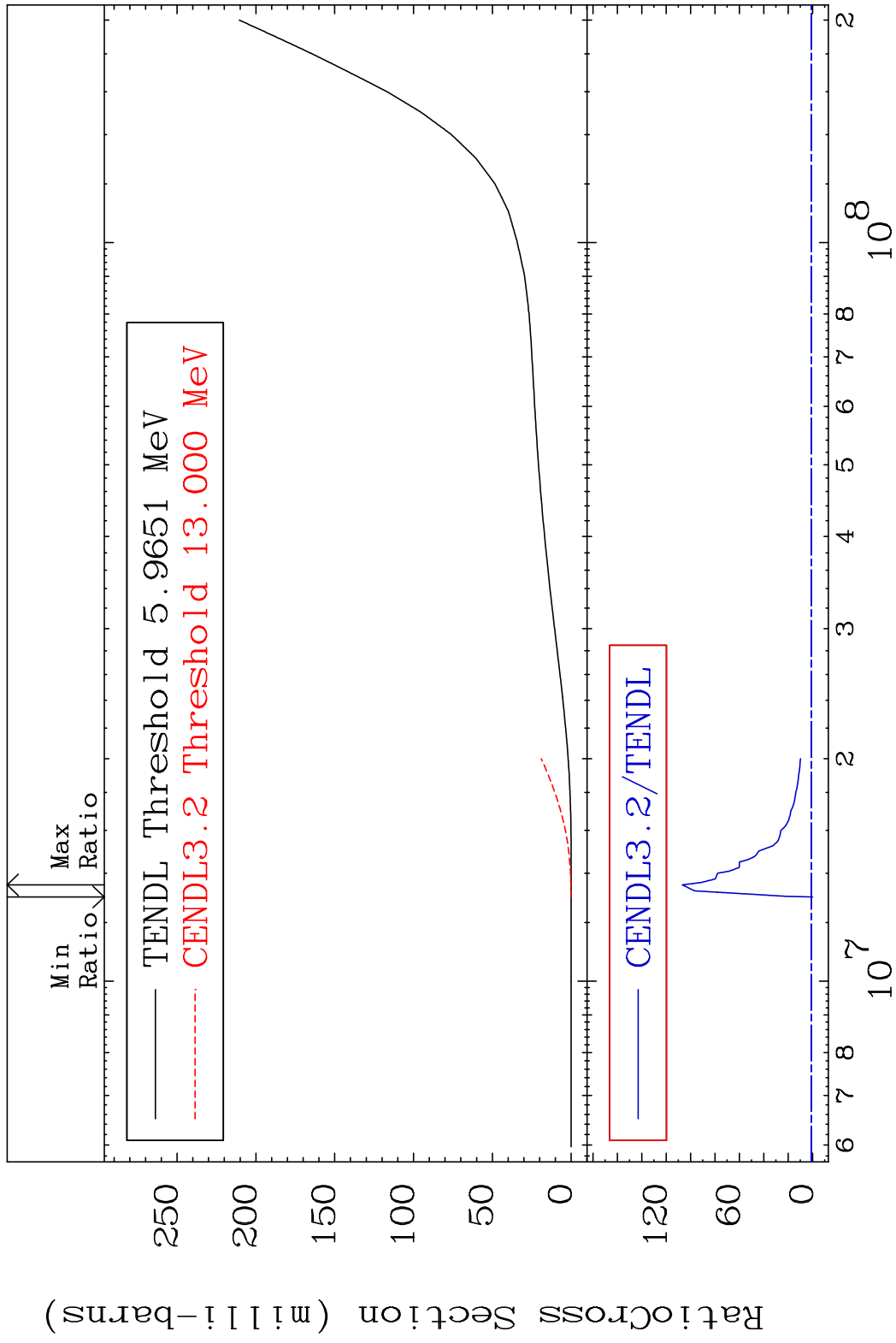
72-Hf-178

MAT 7237

Tritium Production

72-Hf-178

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

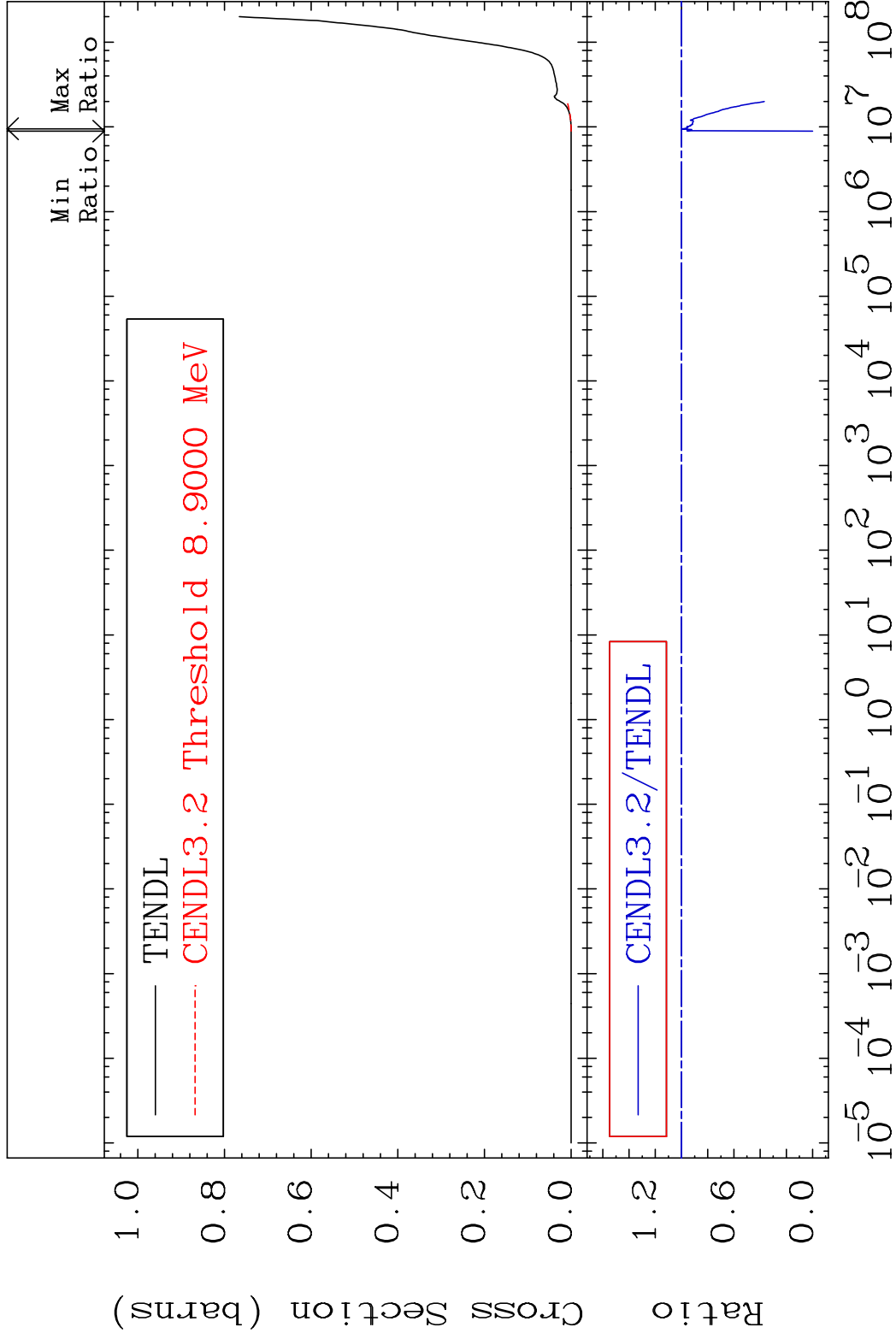
72-Hf-178

MAT 7237

He-4 Production

72-Hf-178

Cross Section -100.0 To -0.634%



47

Incident Energy (eV)

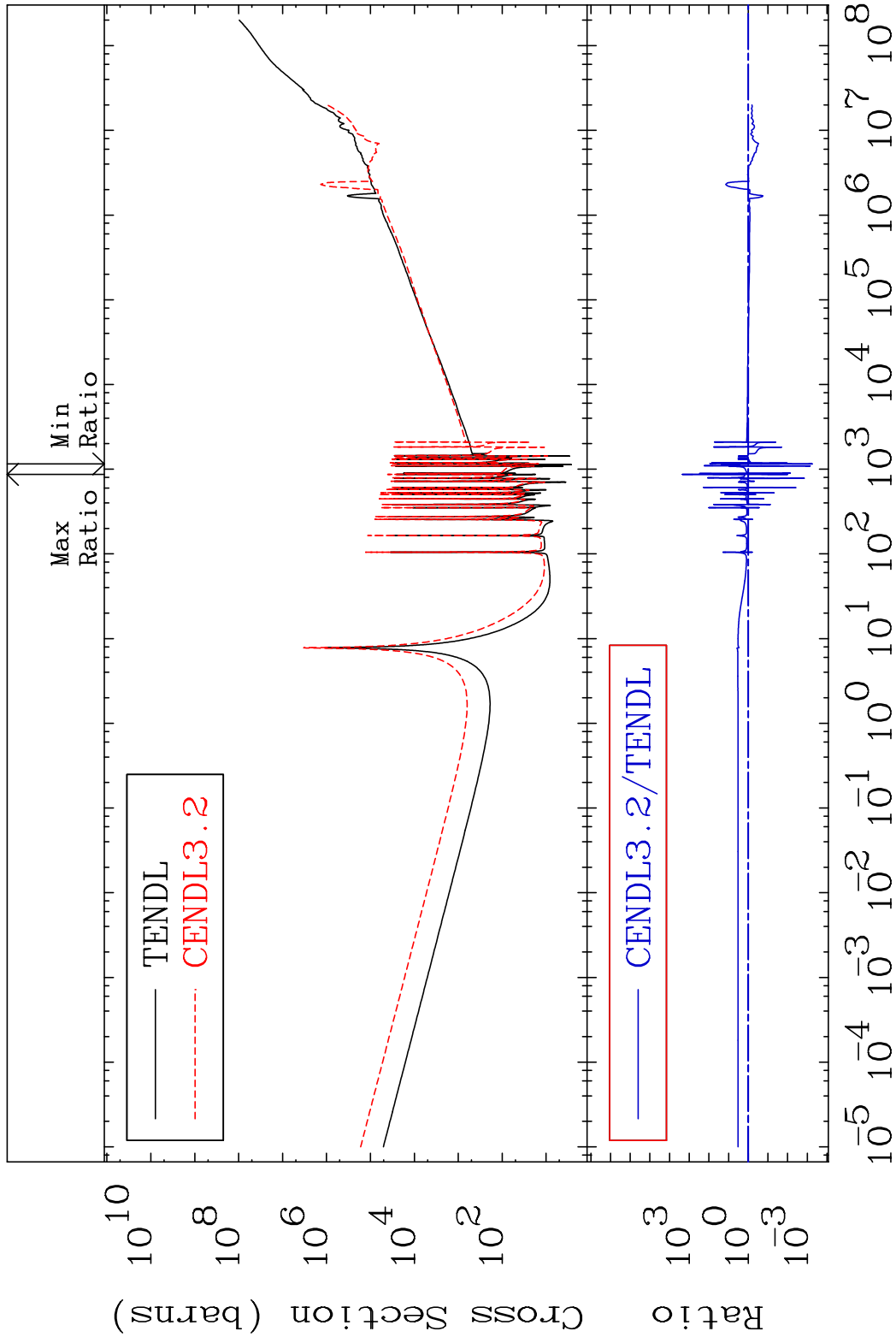
72-Hf-178

MAT 7237

Kerma total (eV-barns)

72-Hf-178

Cross Section -99.95 To 9999. %



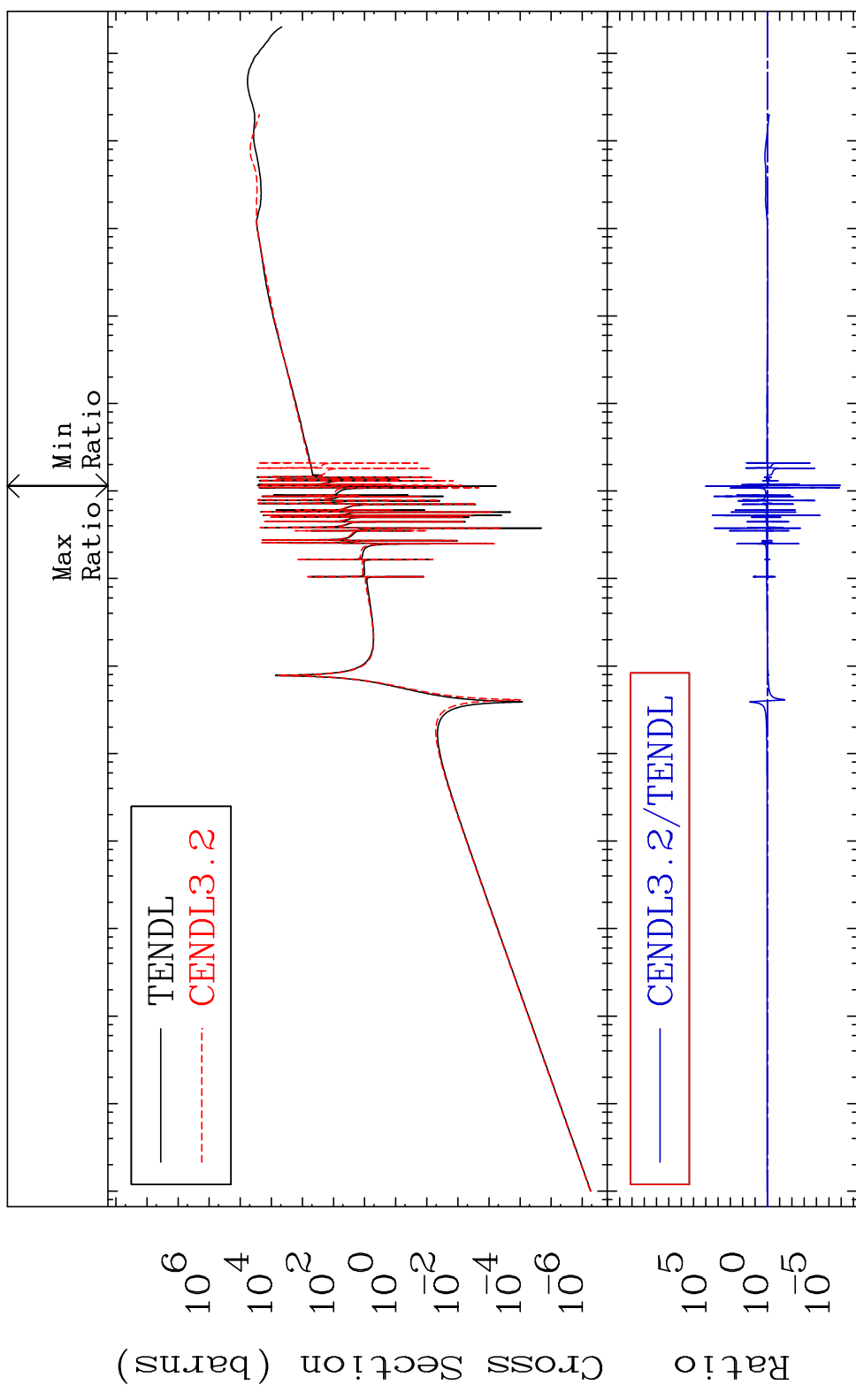
48

Incident Energy (eV)

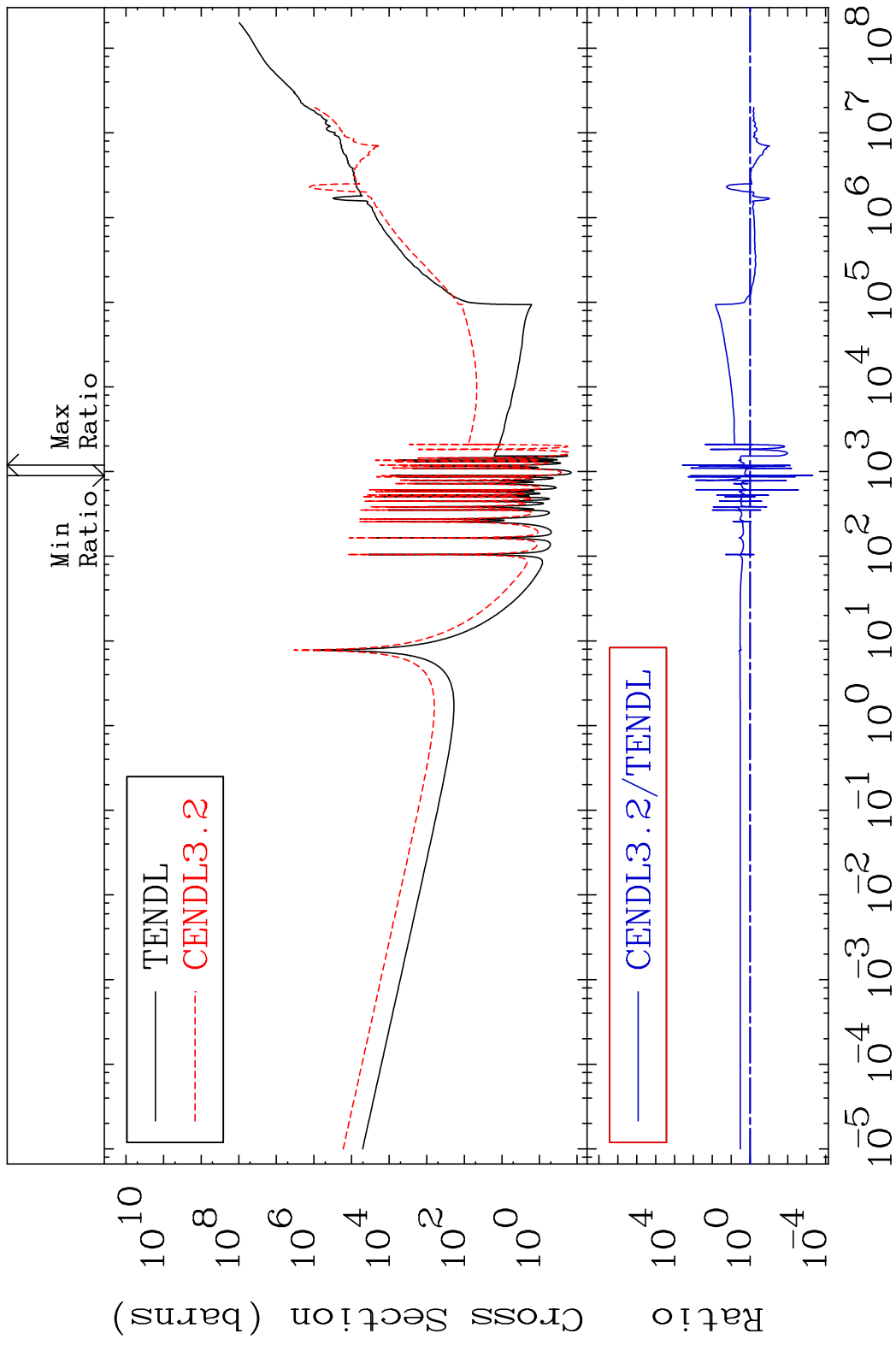
72-Hf-178

MAT 7237

Kerma elastic Cross Section -100.0 To 9999. %
72-Hf-178

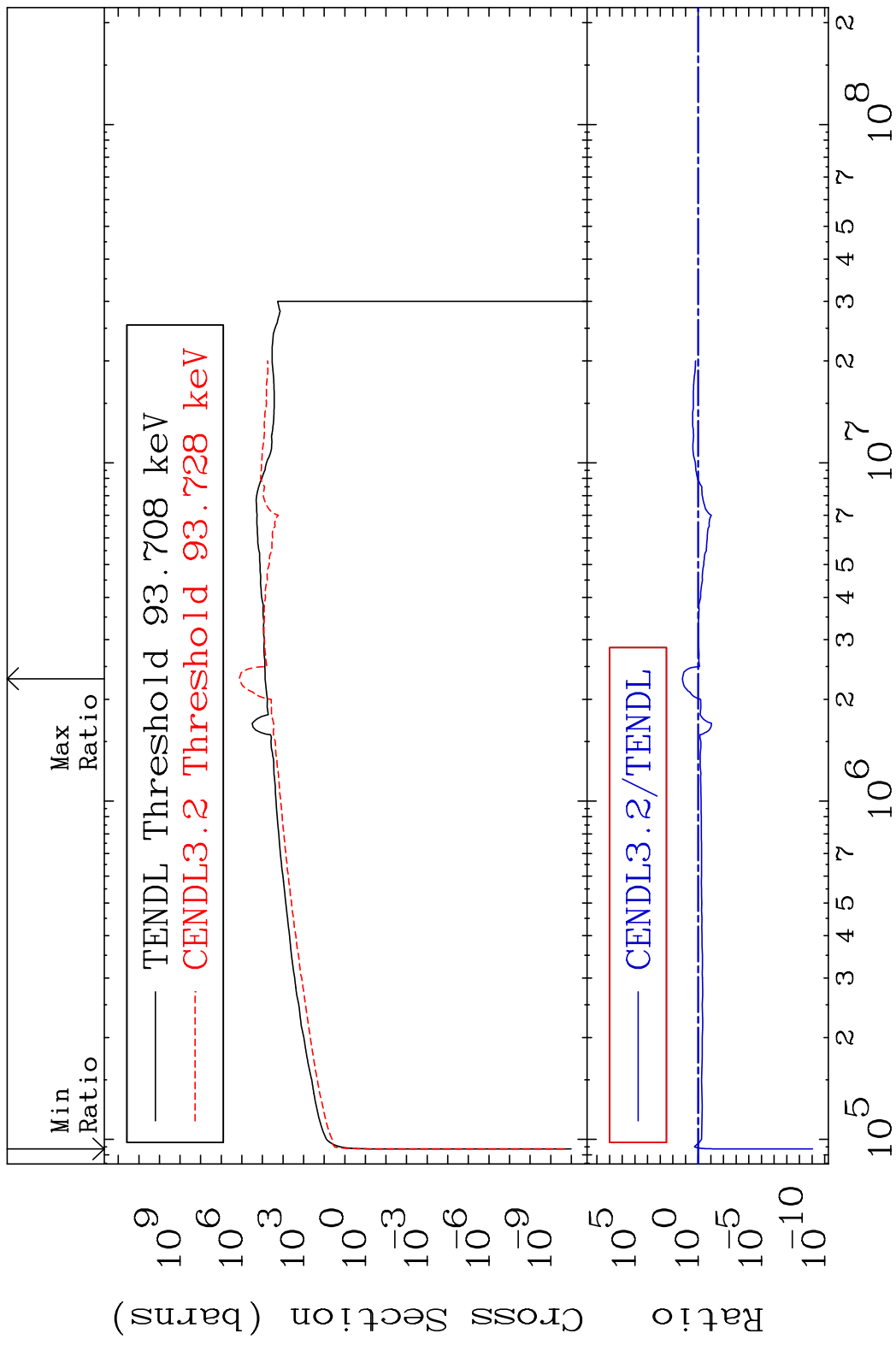


MAT 7237 Kerma non-elastic (all but mt2) 72-Hf-178
 Cross Section -99.95 To 9999. %

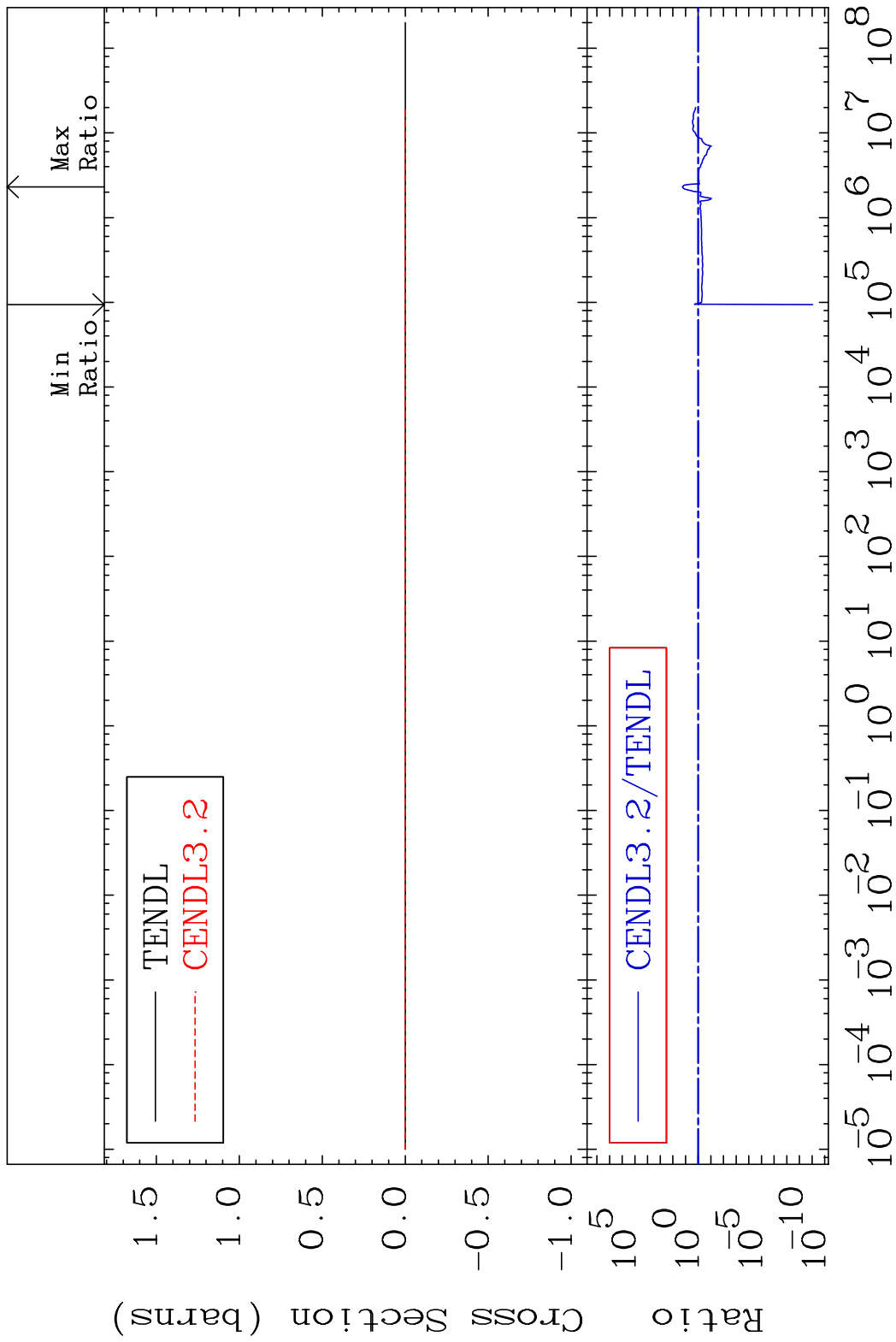


50 Incident Energy (eV) 72-Hf-178

MAT 7237 Kerma inelastic (mt51-91) 72-Hf-178
 Cross Section -100.0 To 1682. %



MAT 7237 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-178
 Cross Section -100.0 To 1682. %

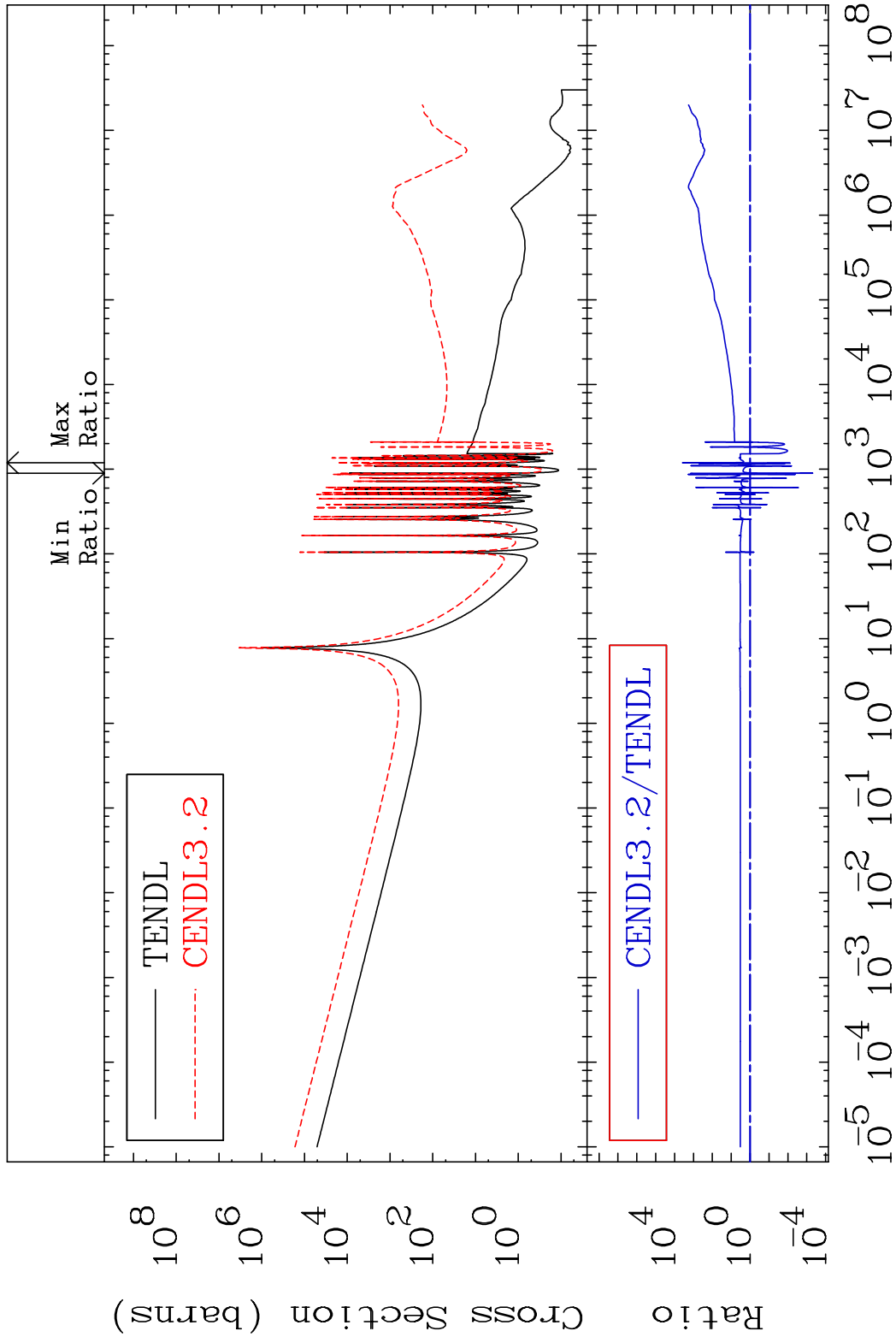


MAT 7237

Kerma capture (mt102)

72-Hf-178

Cross Section -99.95 To 9999. %

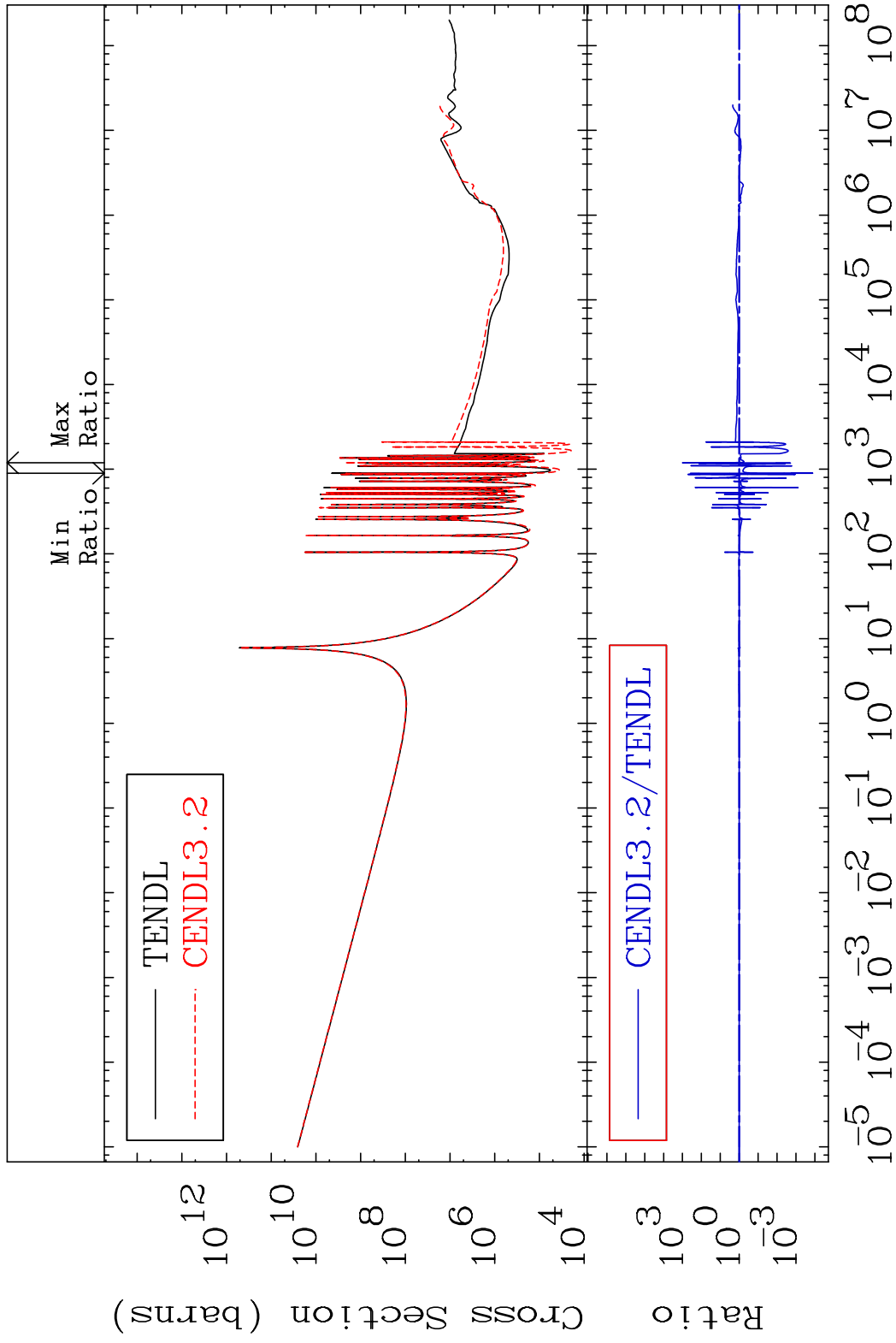


53

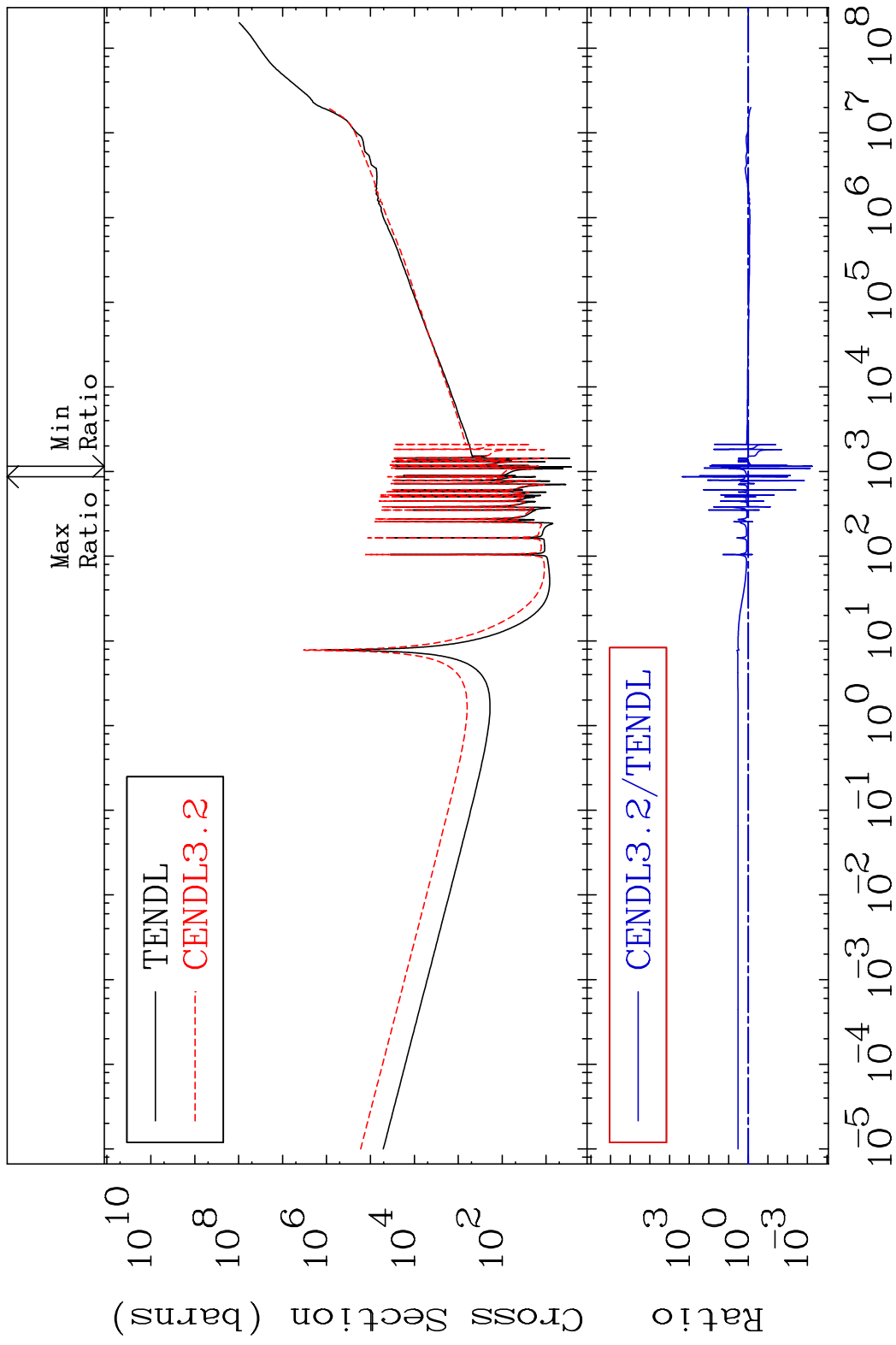
Incident Energy (eV)

72-Hf-178

Cross Section -99.99 To 9999. %



MAT 7237 Total kinematic kerma (high limit) 72-Hf-178
Cross Section -99.95 To 9999. %

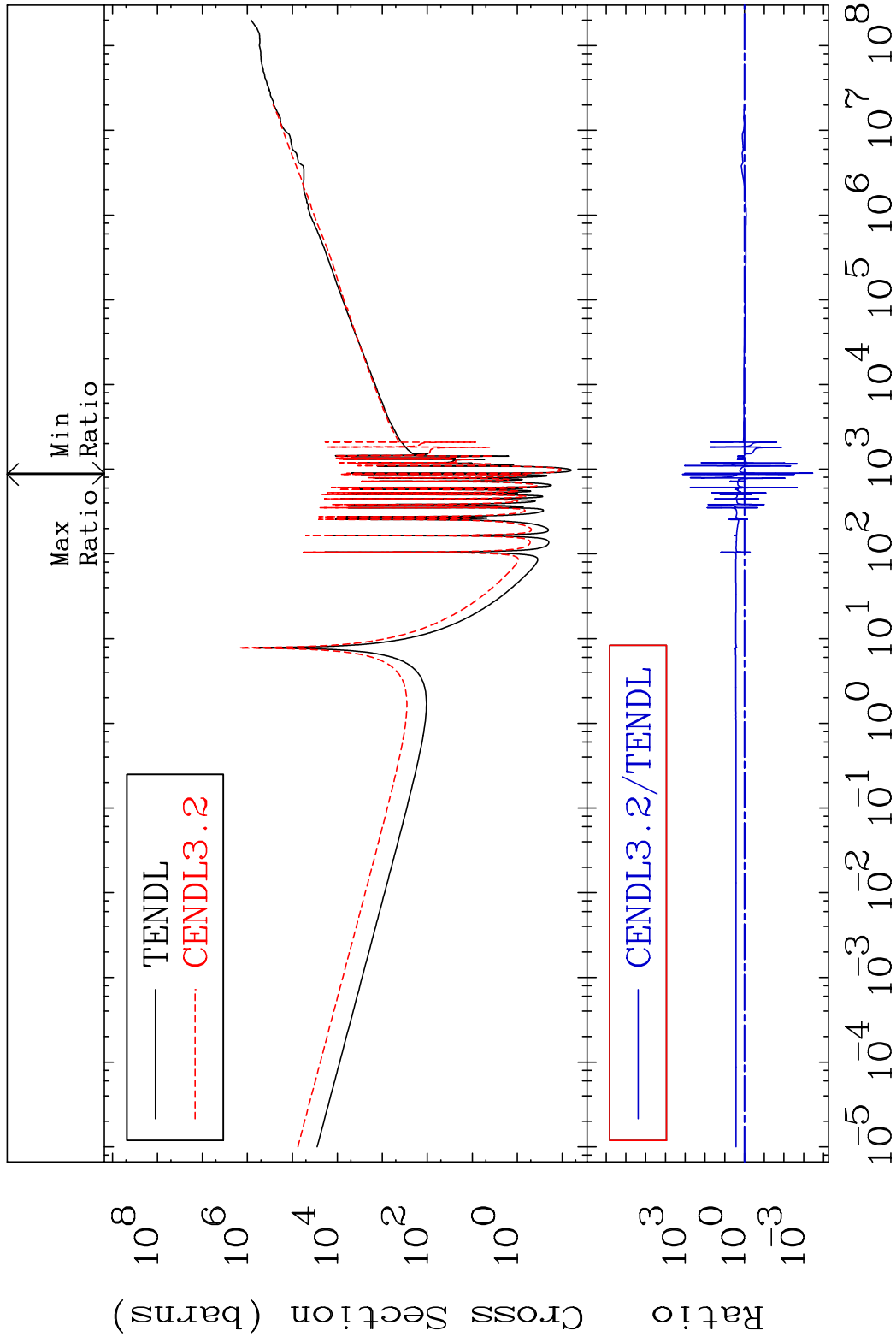


MAT 7237

Dpa total (eV-barns)

72-Hf-178

Cross Section -99.96 To 9999. %



56

Incident Energy (eV)

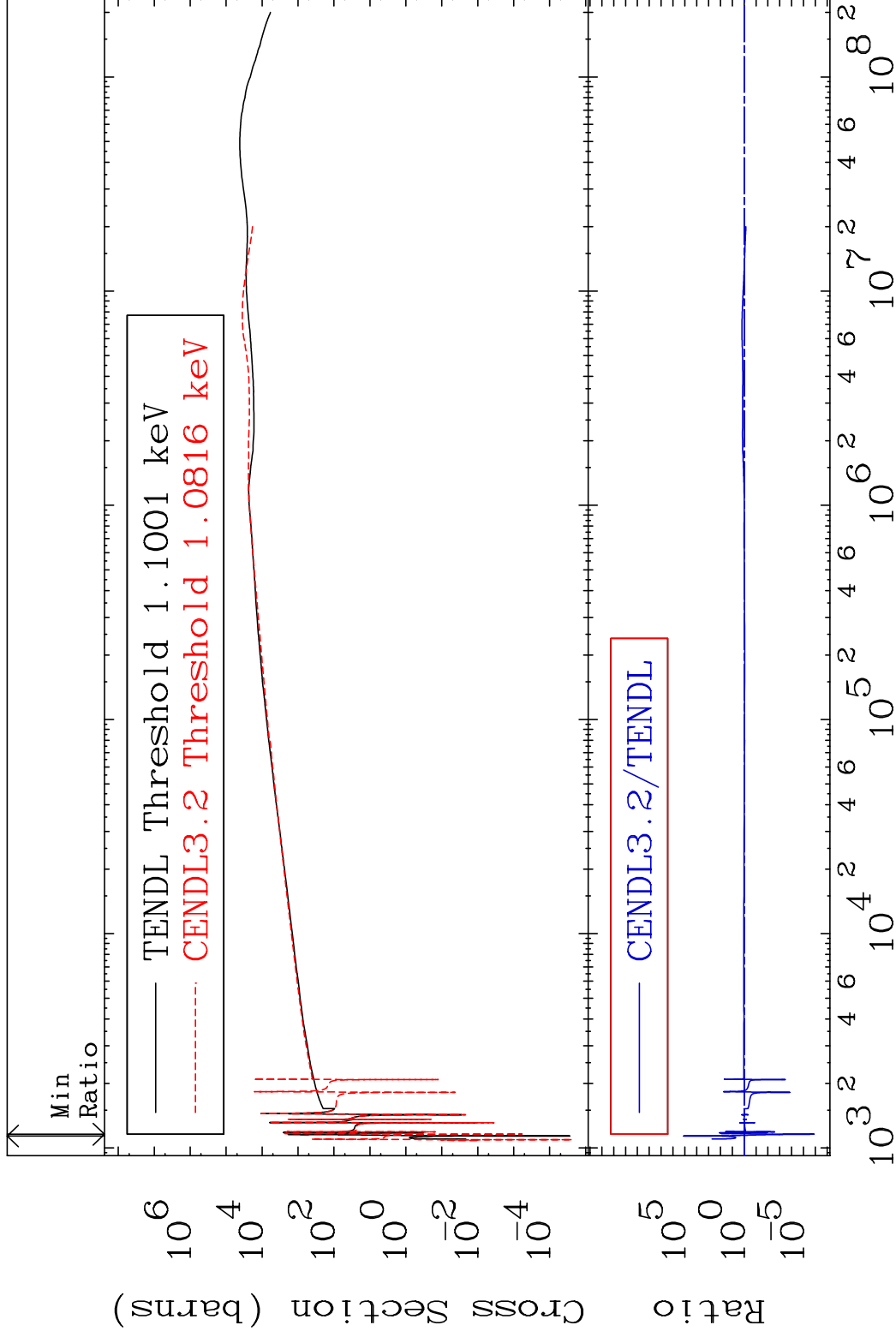
72-Hf-178

MAT 7237

Dpa elastic (mt2)

72-Hf-178

Cross Section -100.0 To 9999. %



57

Incident Energy (eV)

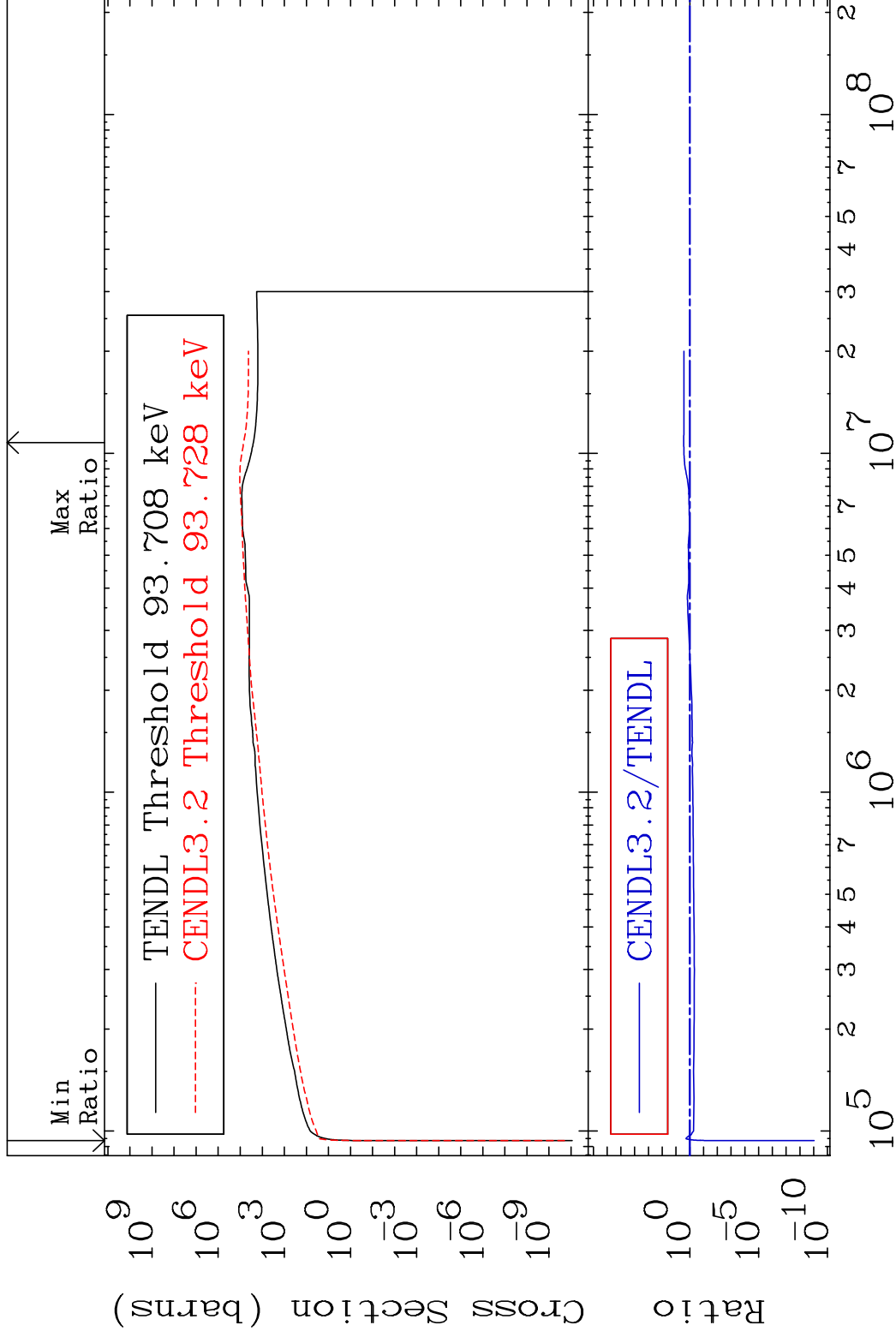
72-Hf-178

MAT 7237

Dpa inelastic (mt51-91)

72-Hf-178

Cross Section -100.0 To 177.3 %

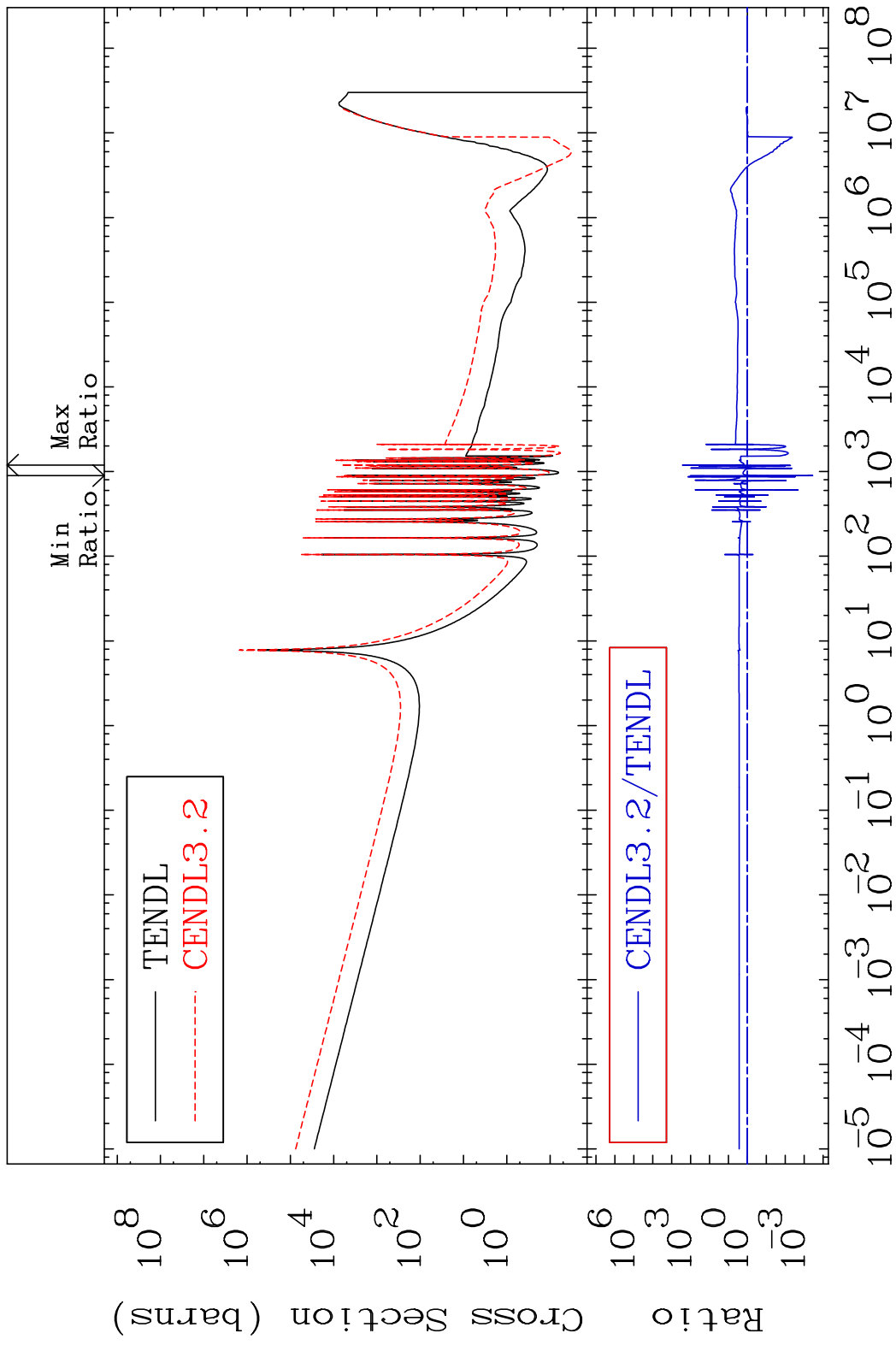


58

Incident Energy (eV)

72-Hf-178

MAT 7237 Dpa disappearance (mt102 -120) 72-Hf-178
 Cross Section -99.96 To 9999. %

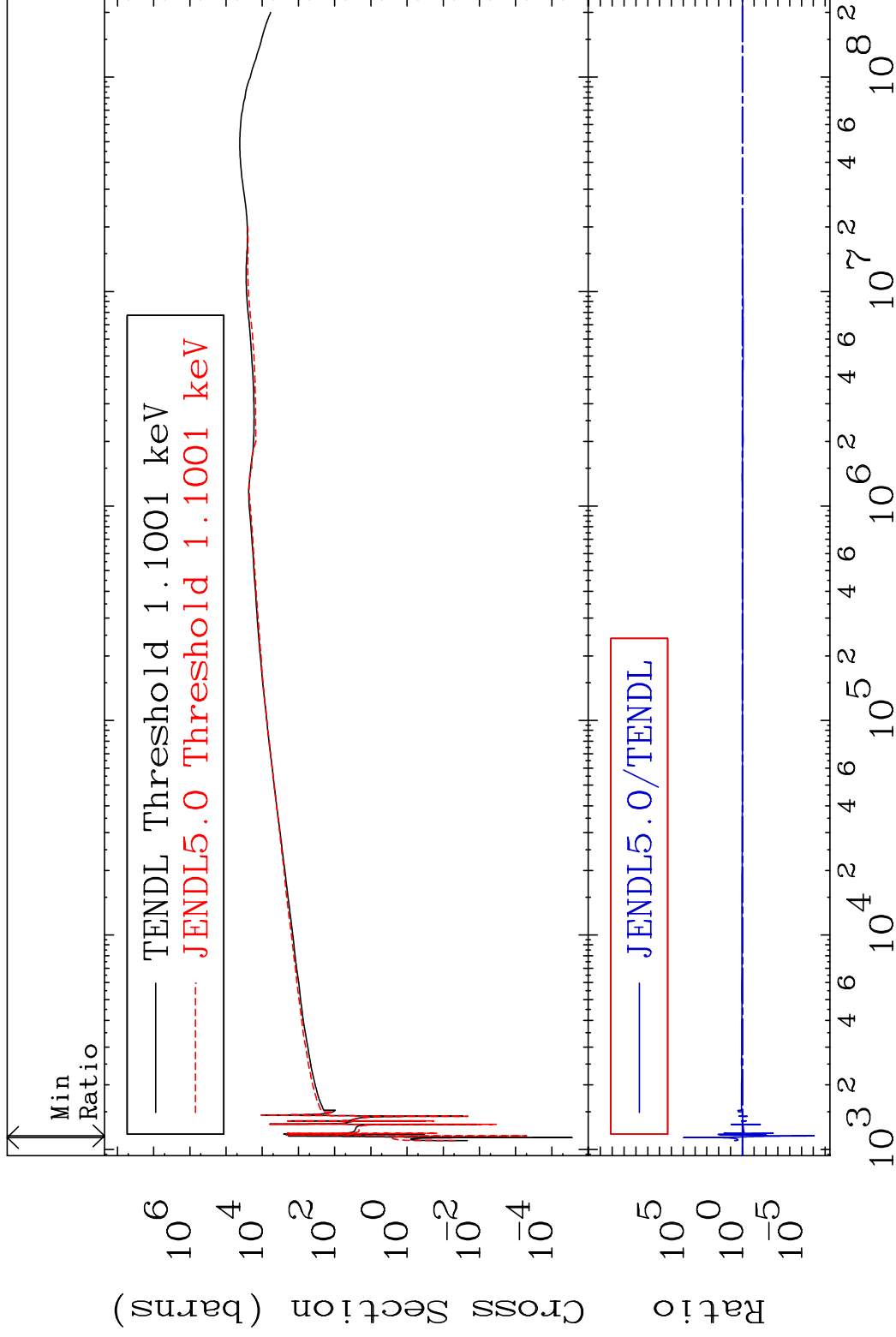


MAT 7237

Dpa elastic (mt2)

72-Hf-178

Cross Section -100.0 To 9999. %

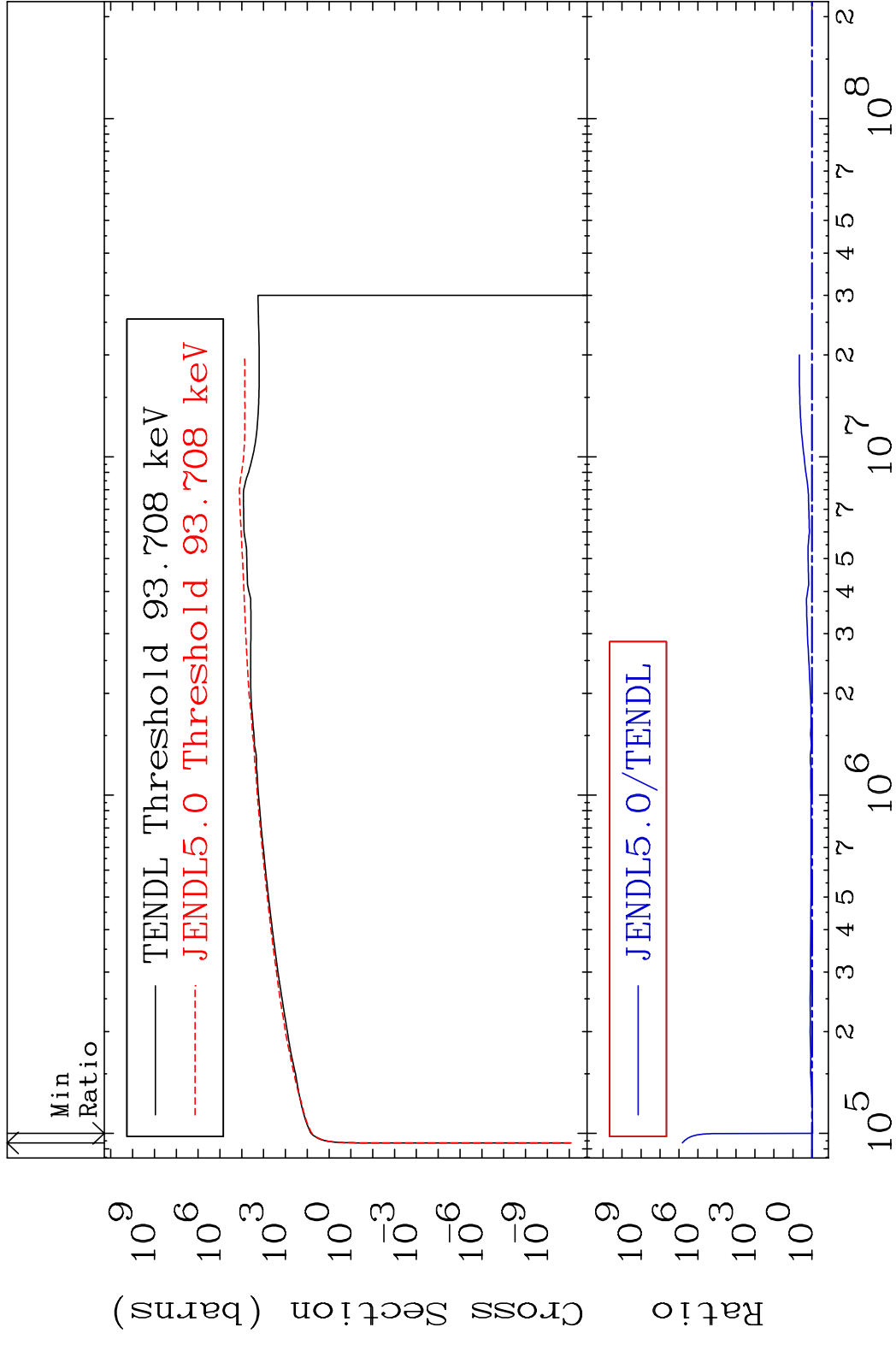


60

Incident Energy (eV)

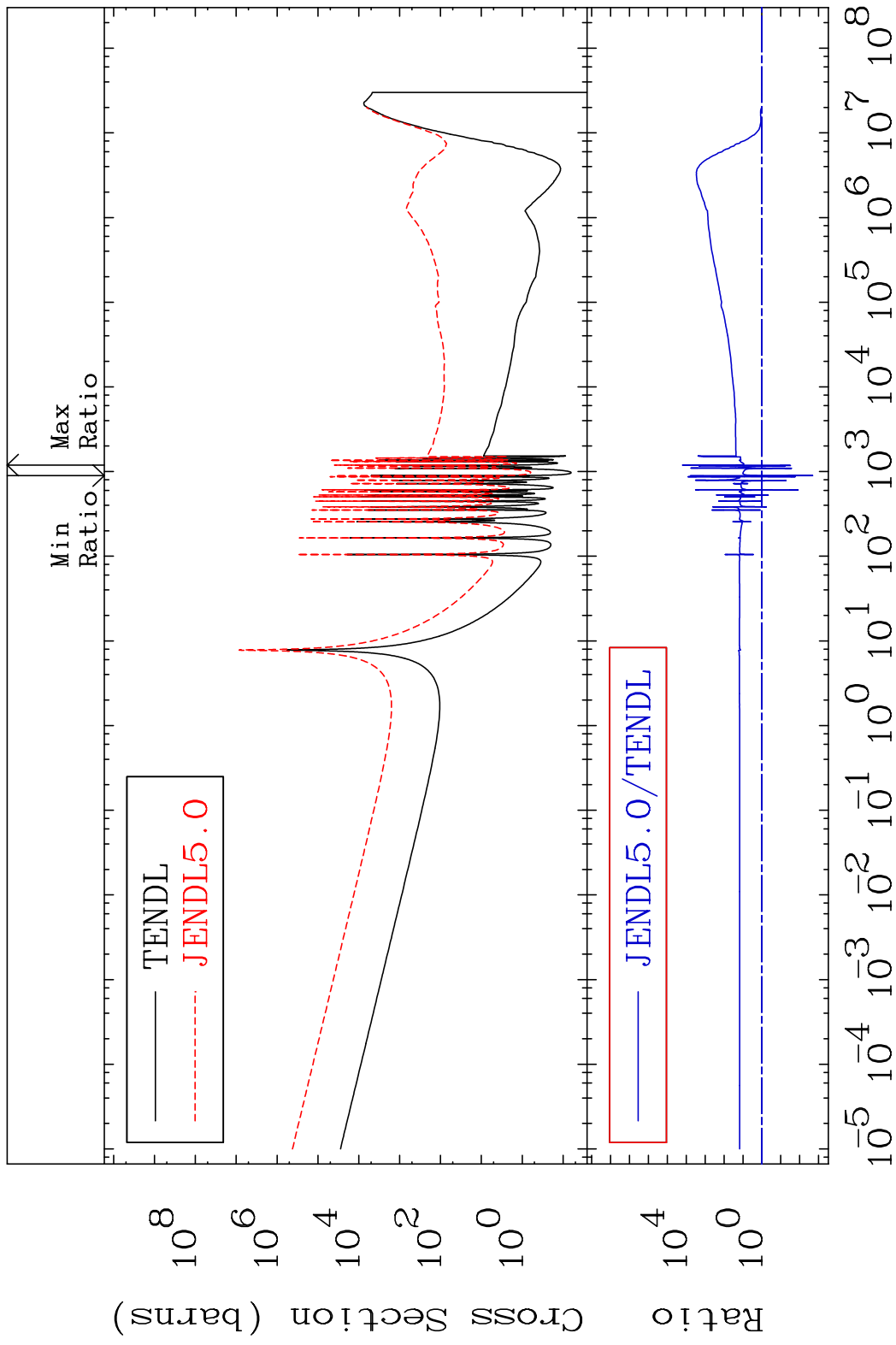
72-Hf-178

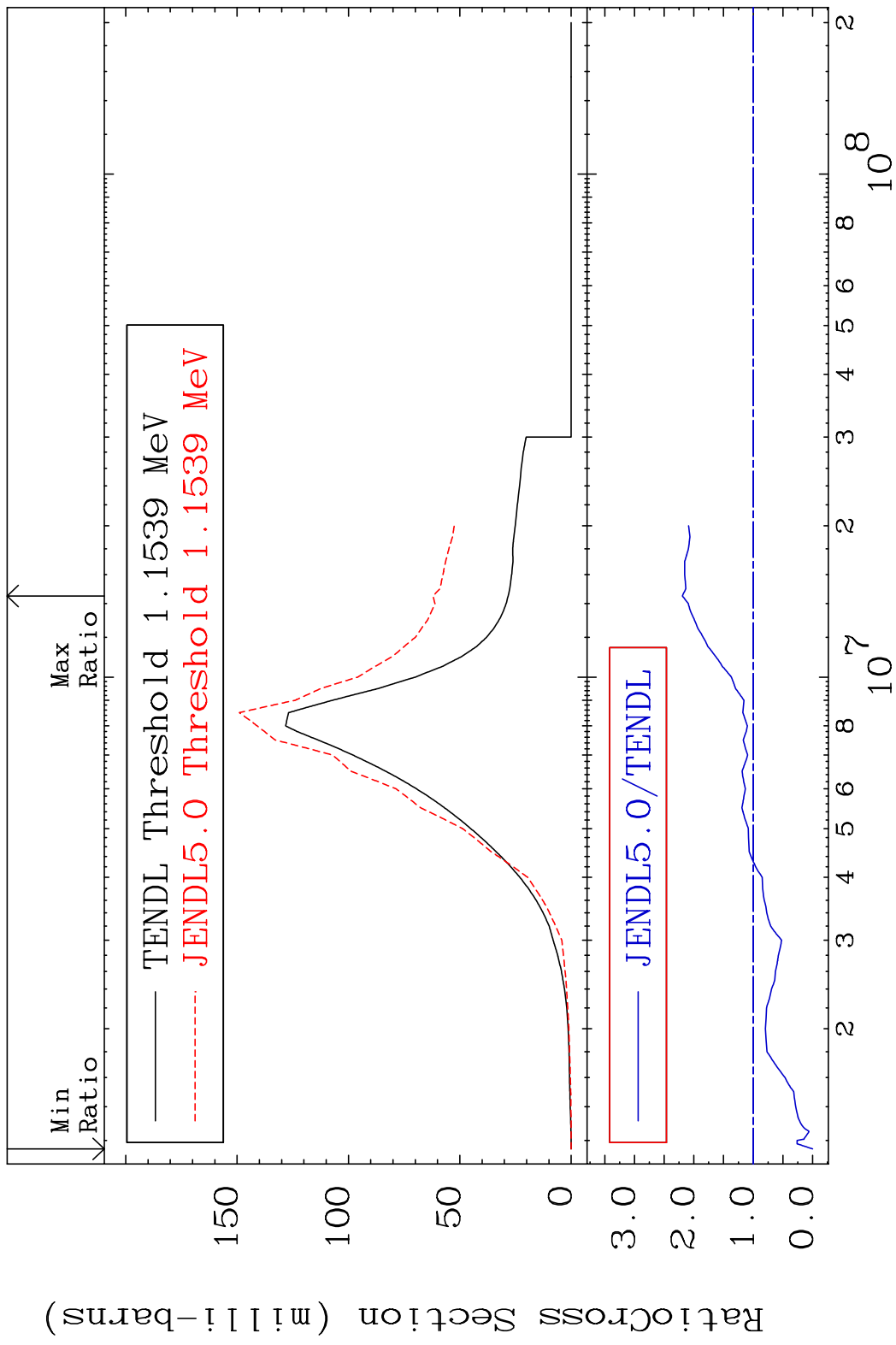
MAT 7237 Dpa inelastic (mt51-91) 72-Hf-178
 Cross Section -7.757 To 9999. %

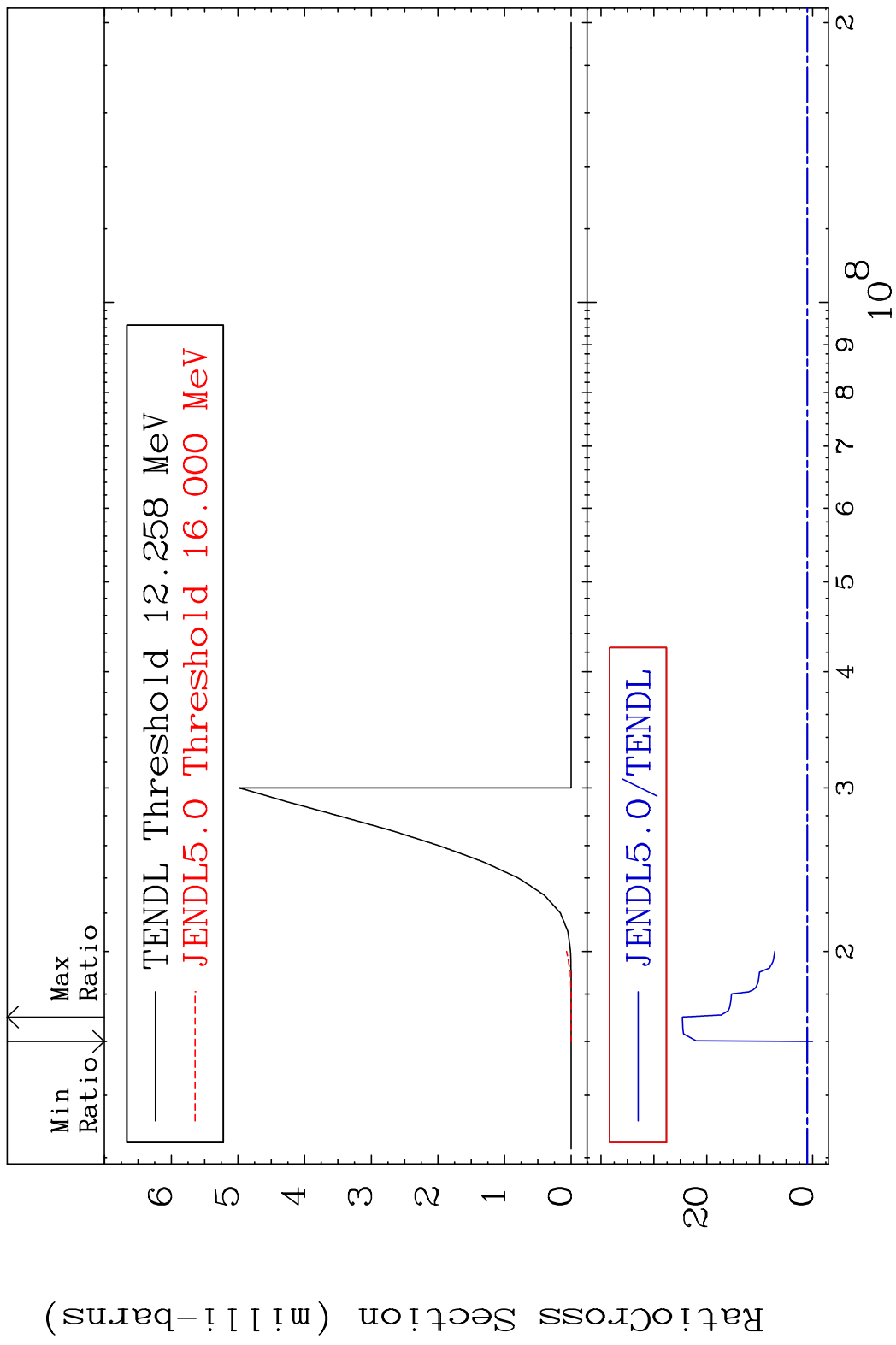


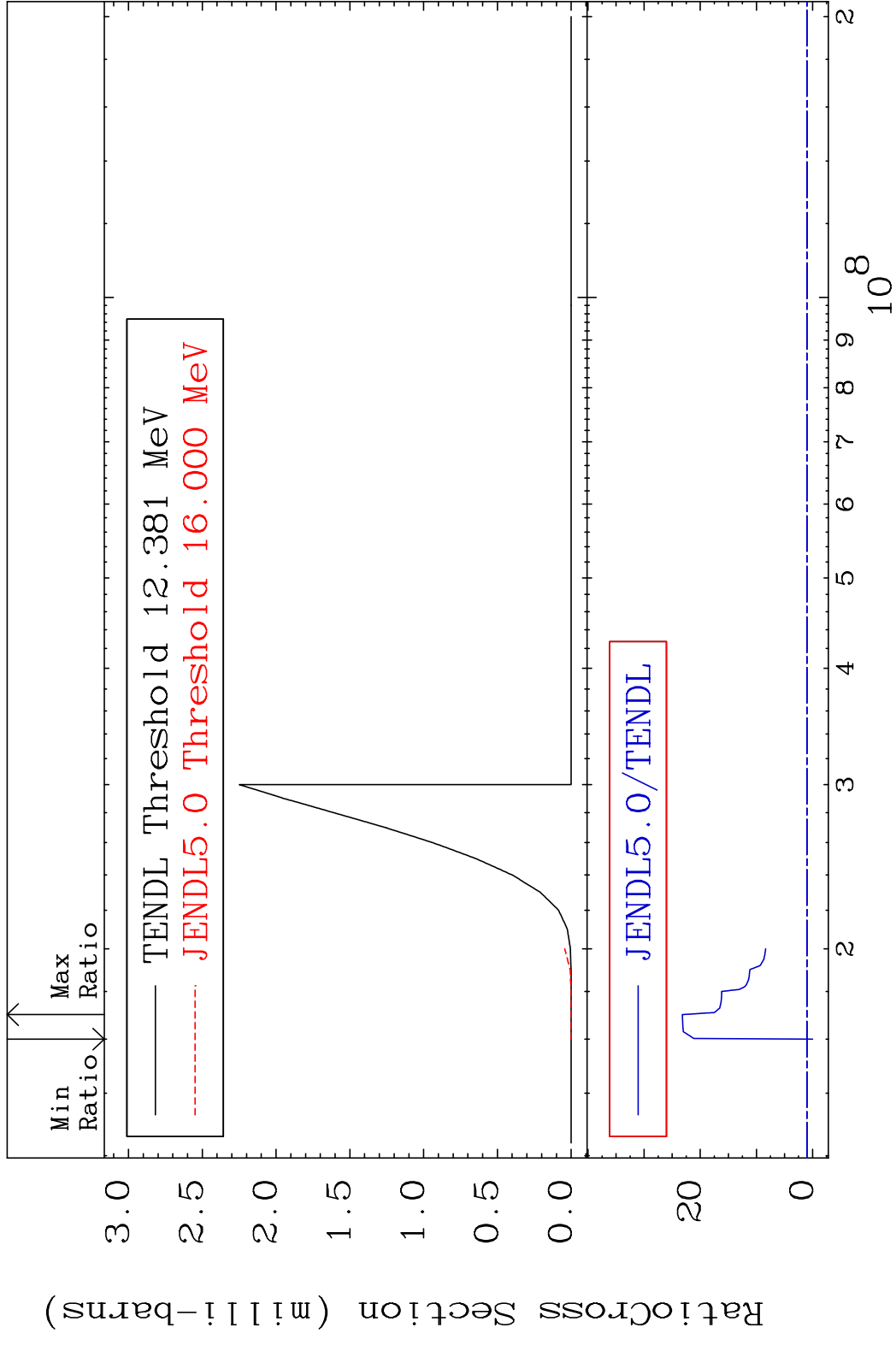
61 Incident Energy (eV) 72-Hf-178

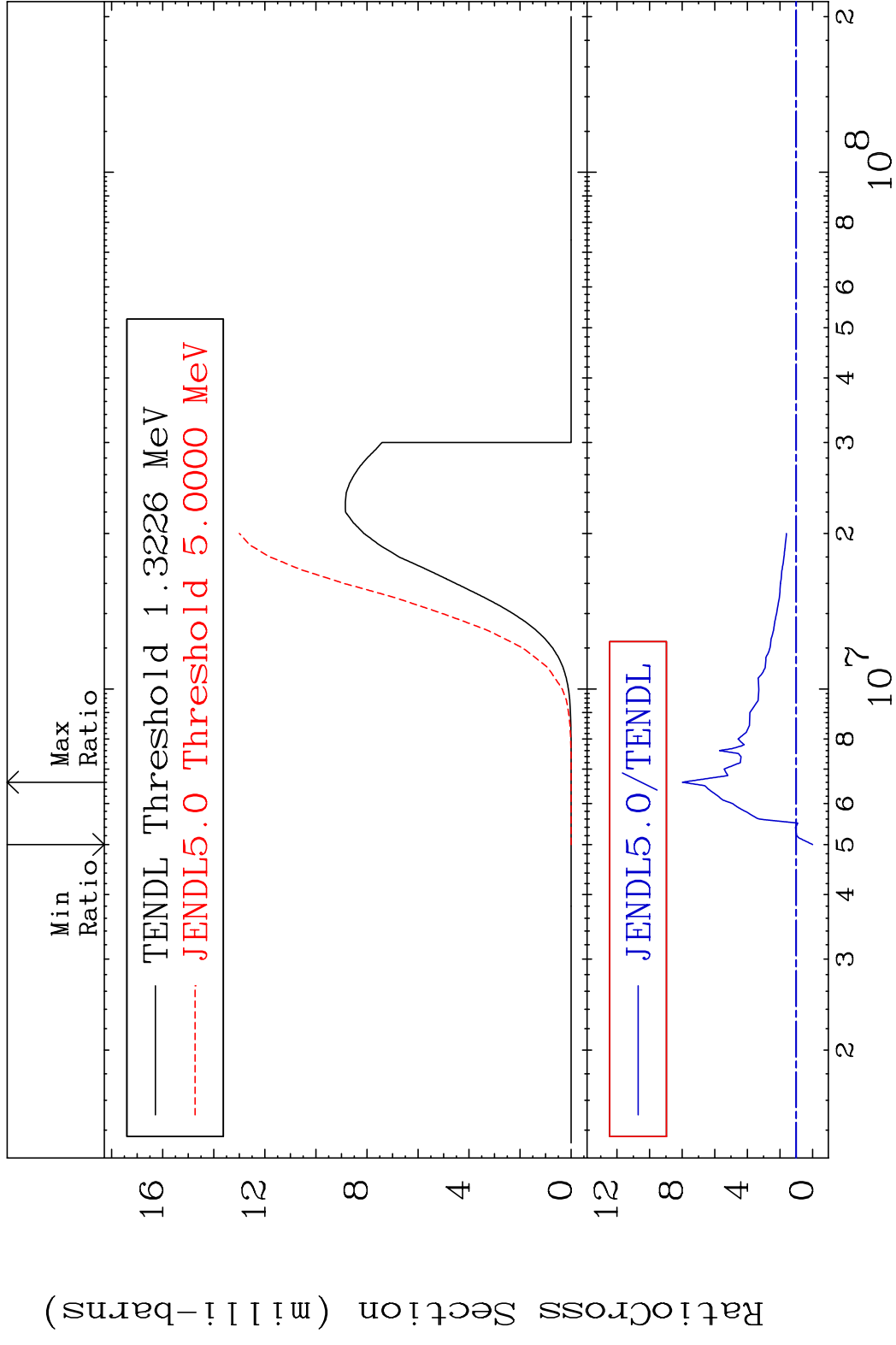
MAT 7237 Dpa disappearance (mt102 -120) 72-Hf-178
 Cross Section -99.79 To 9999. %

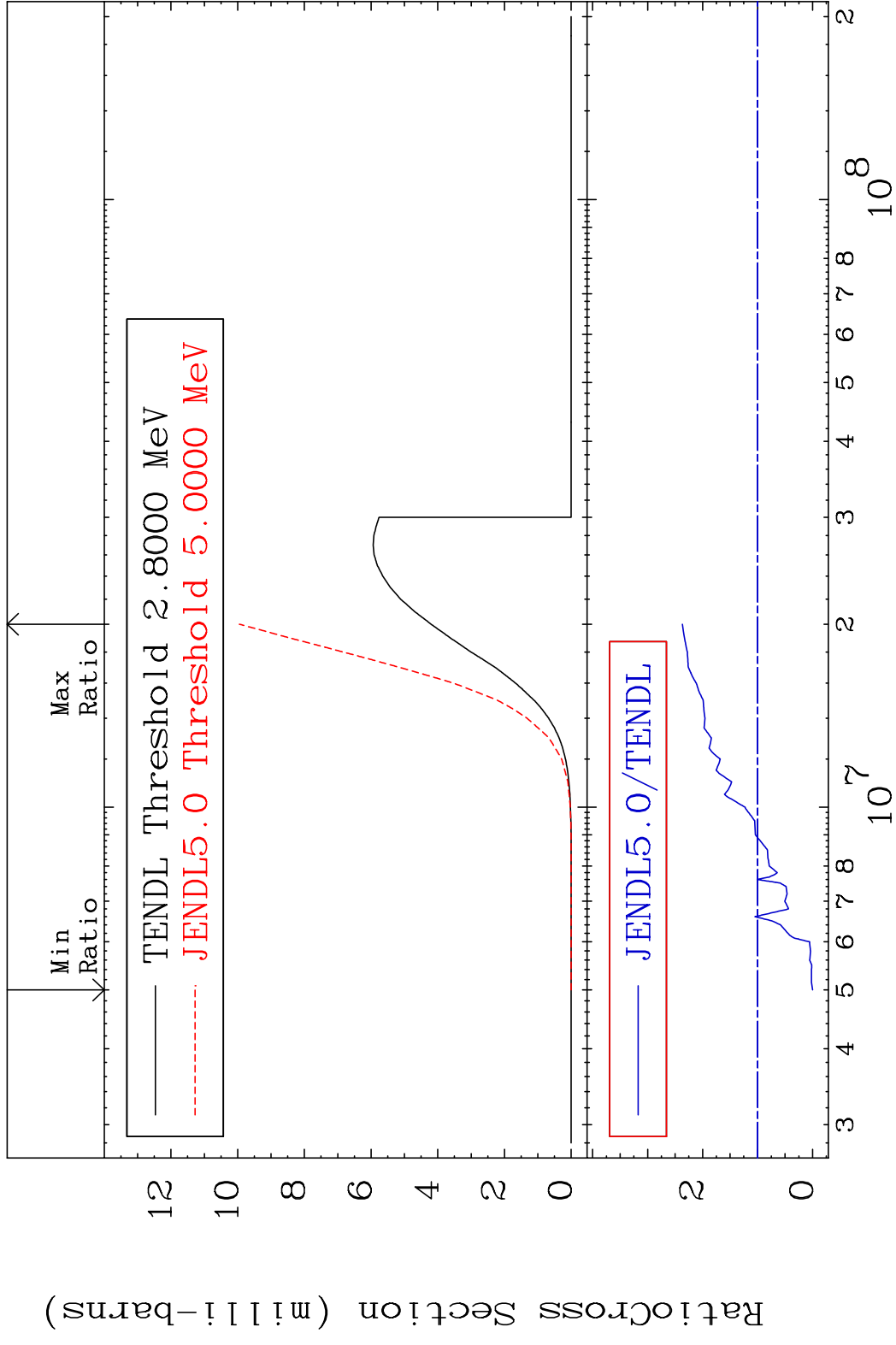


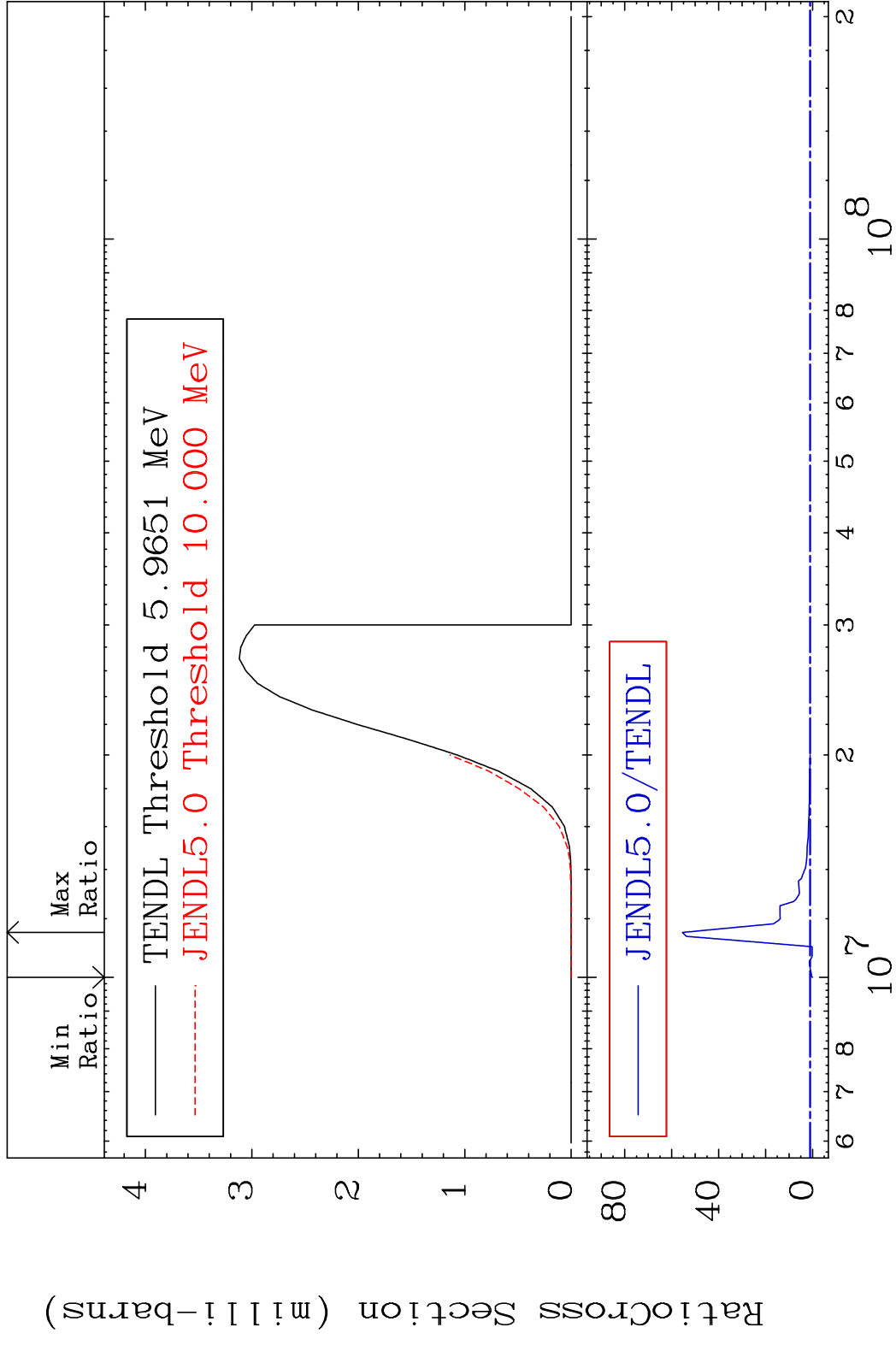




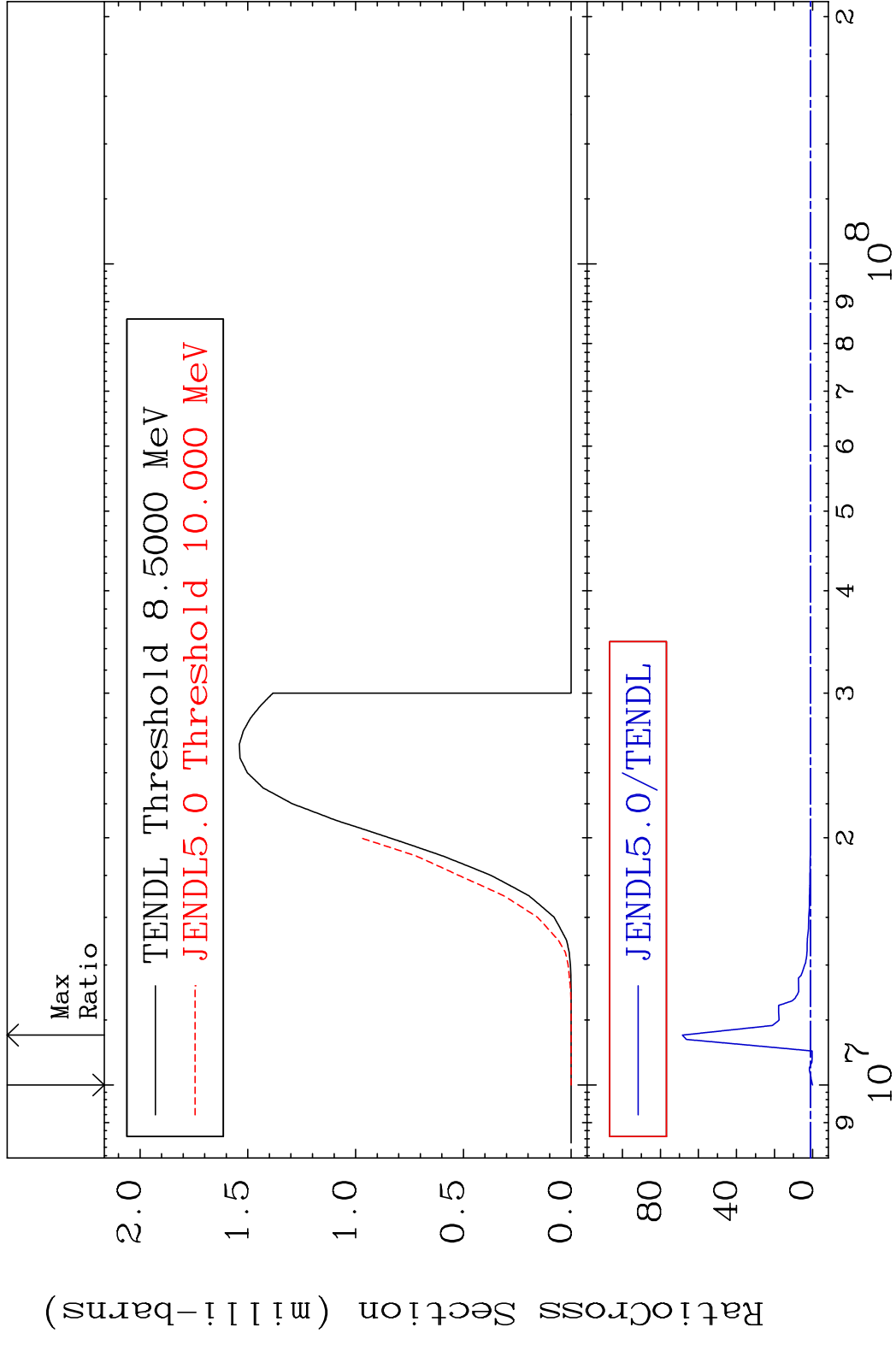




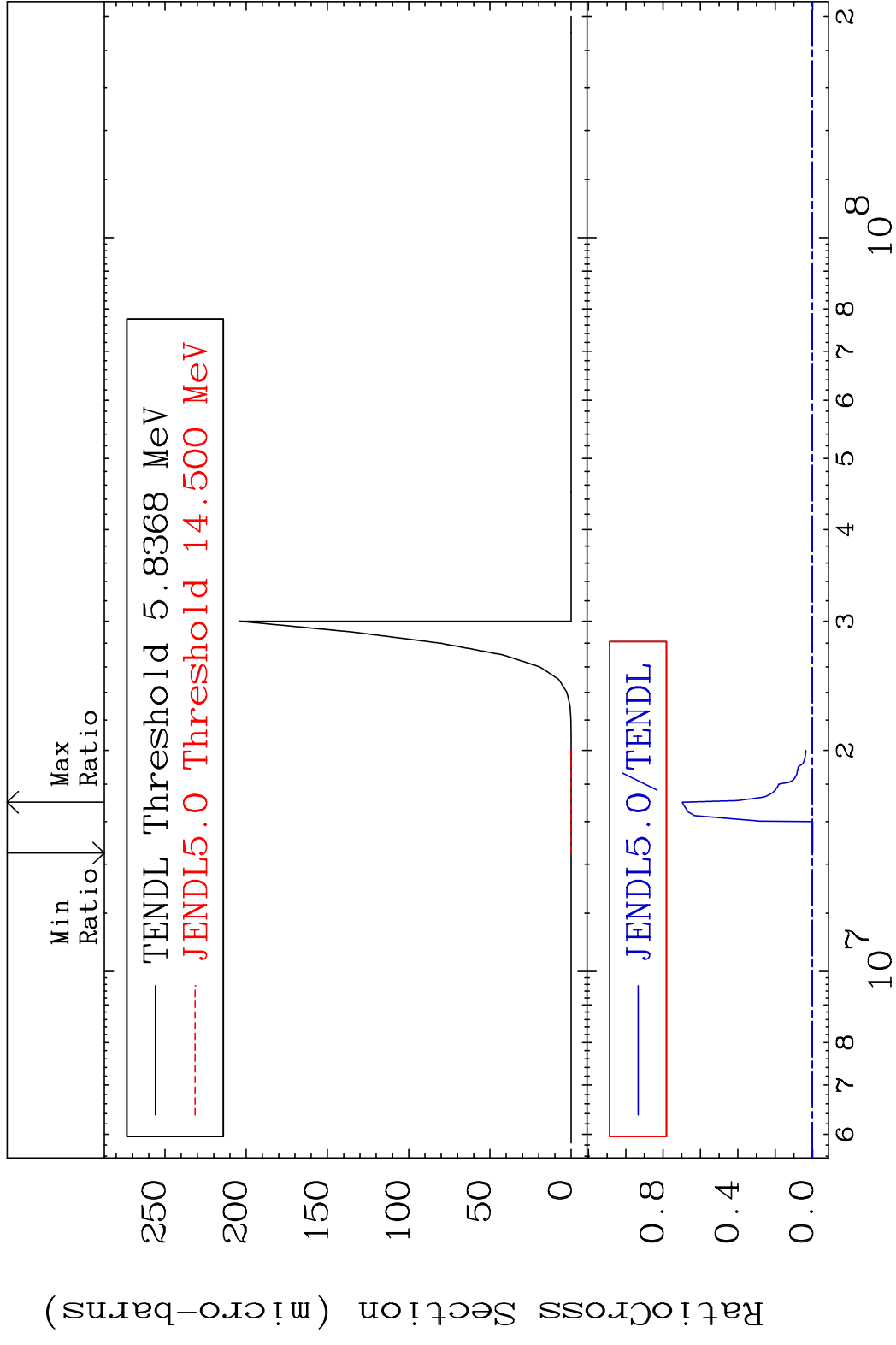




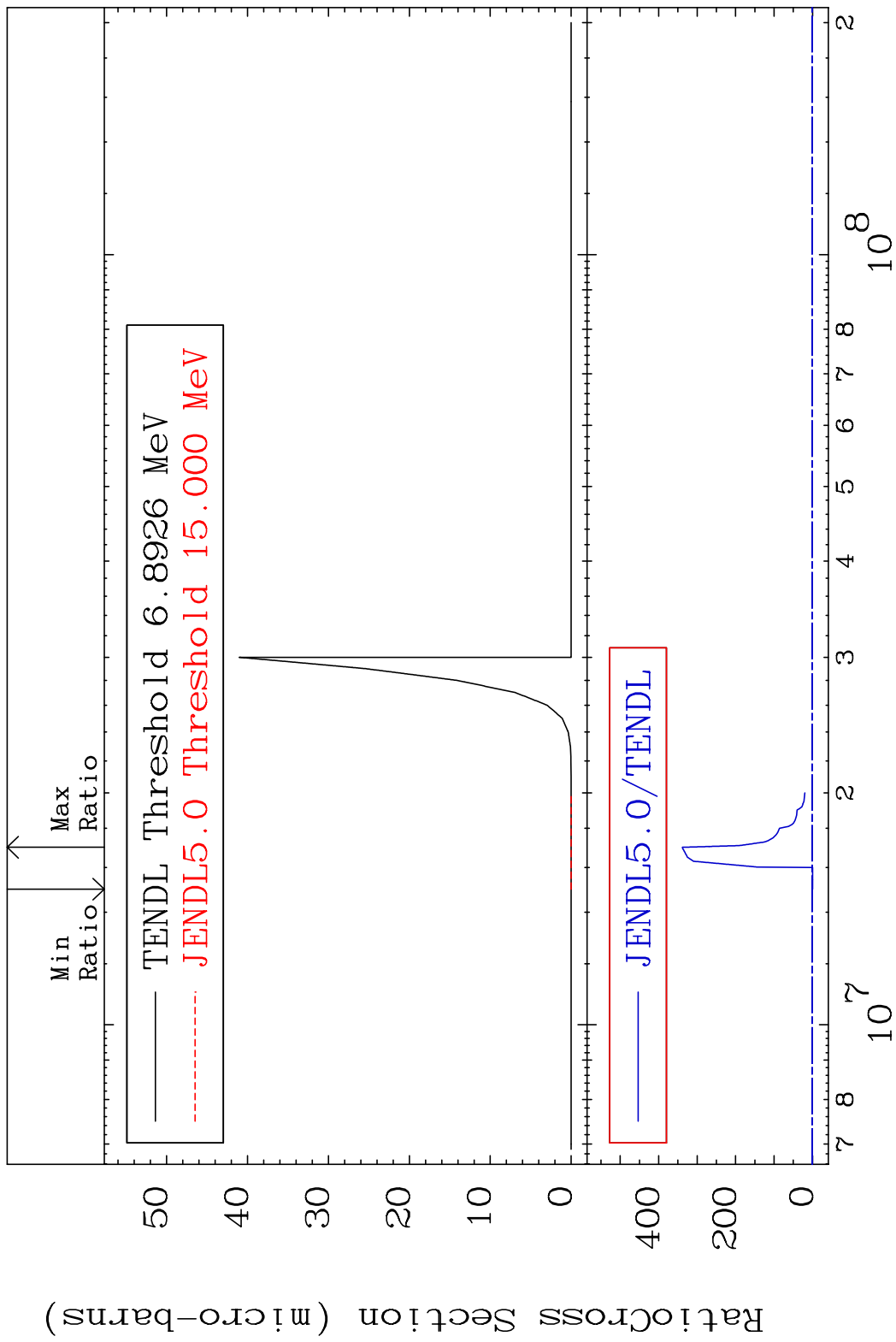
MAT 7237 (n, t):71-Lu-176m1 72-Hf-178
 Radionuclide Production Cross Section Ratio 6747. %

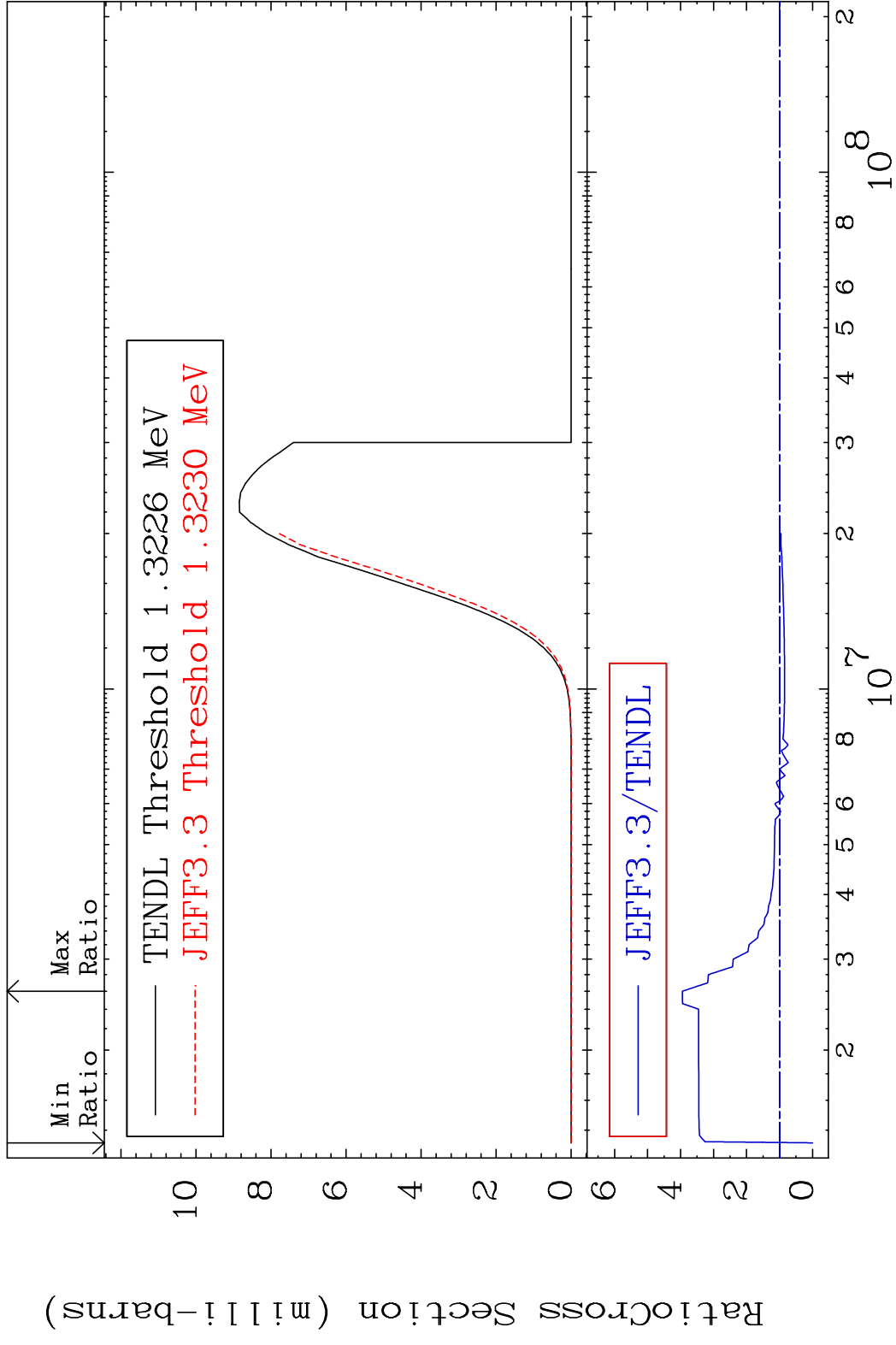


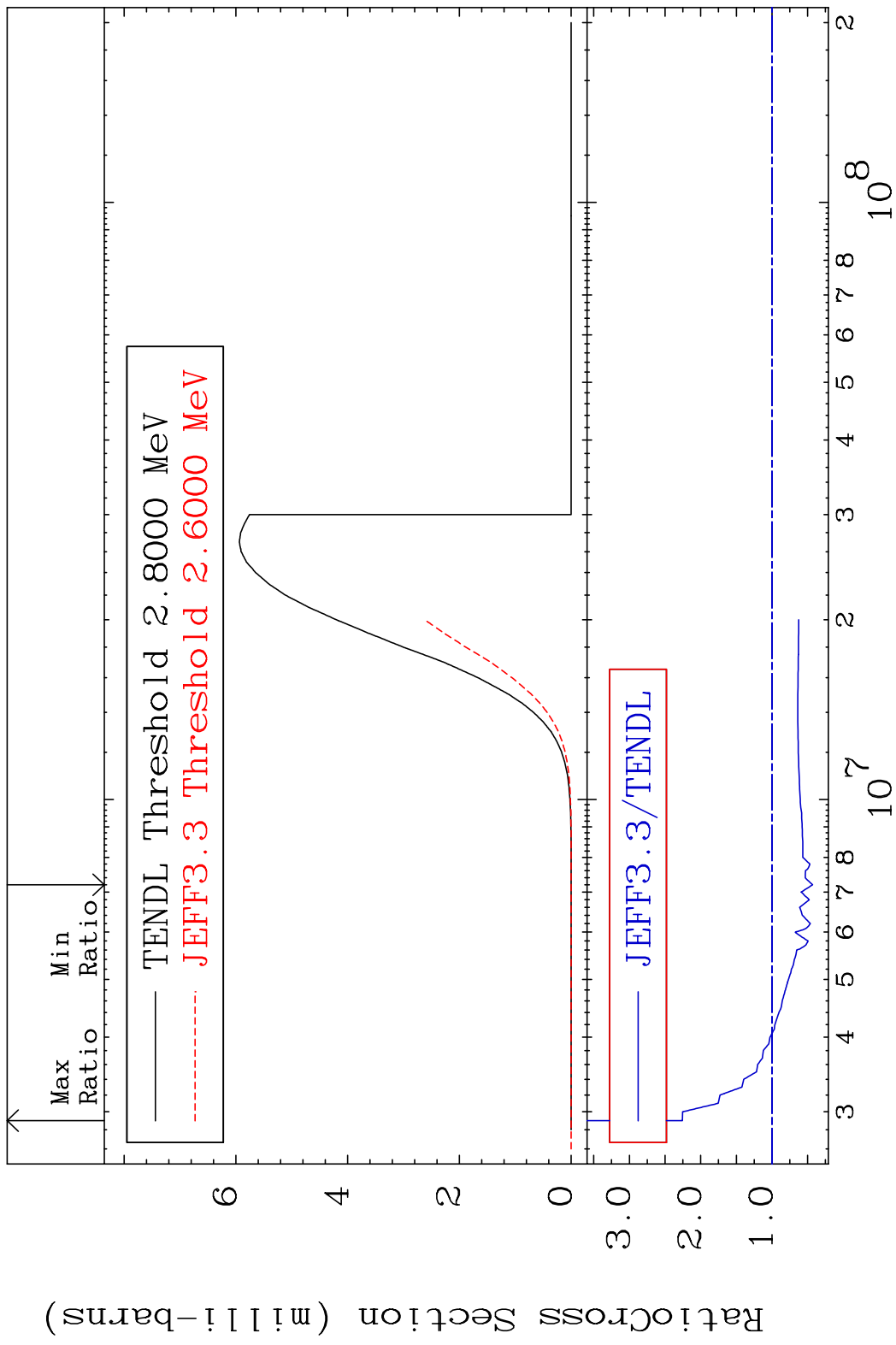
MAT 7237 (n, He-3): 70-Yb-176g 72-Hf-178
 Radionuclide Production Cross Section Ratio 9999. %



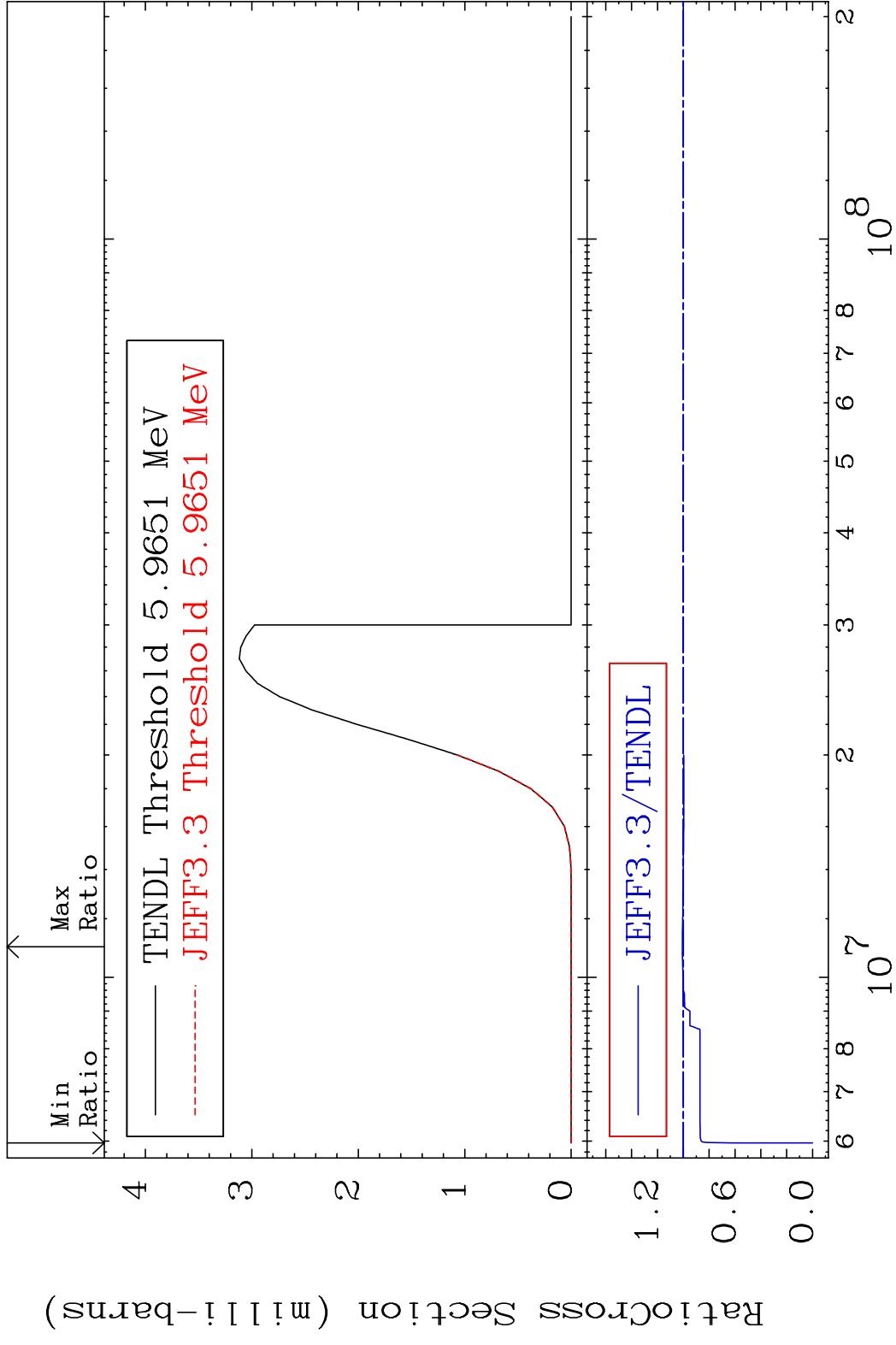
70 Incident Energy (eV) 72-Hf-178



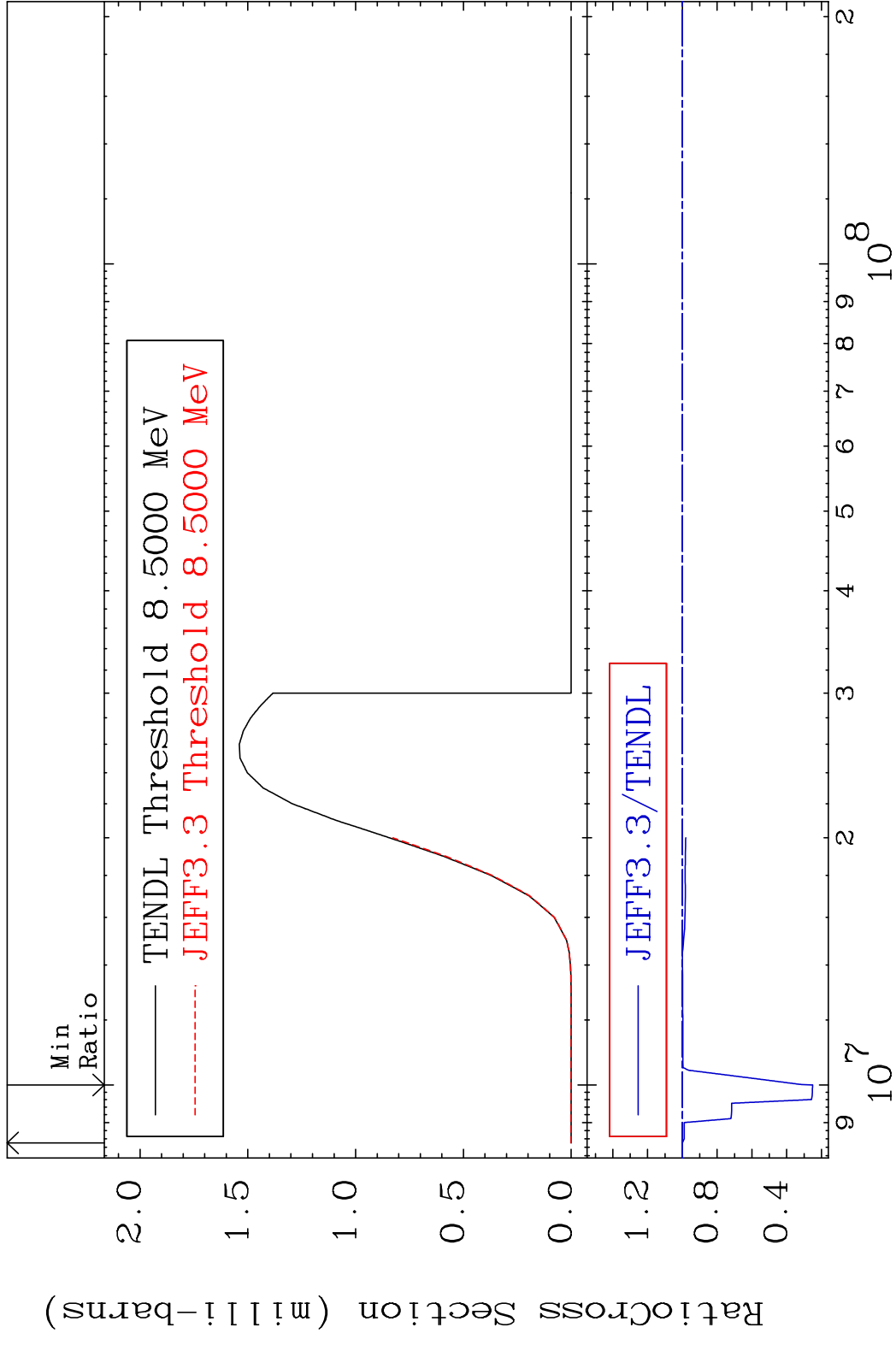




MAT 7237 (n, t):71-Lu-176g 72-Hf-178
 Radionuclide Production Cross Section 180.01 dth 0.738 %

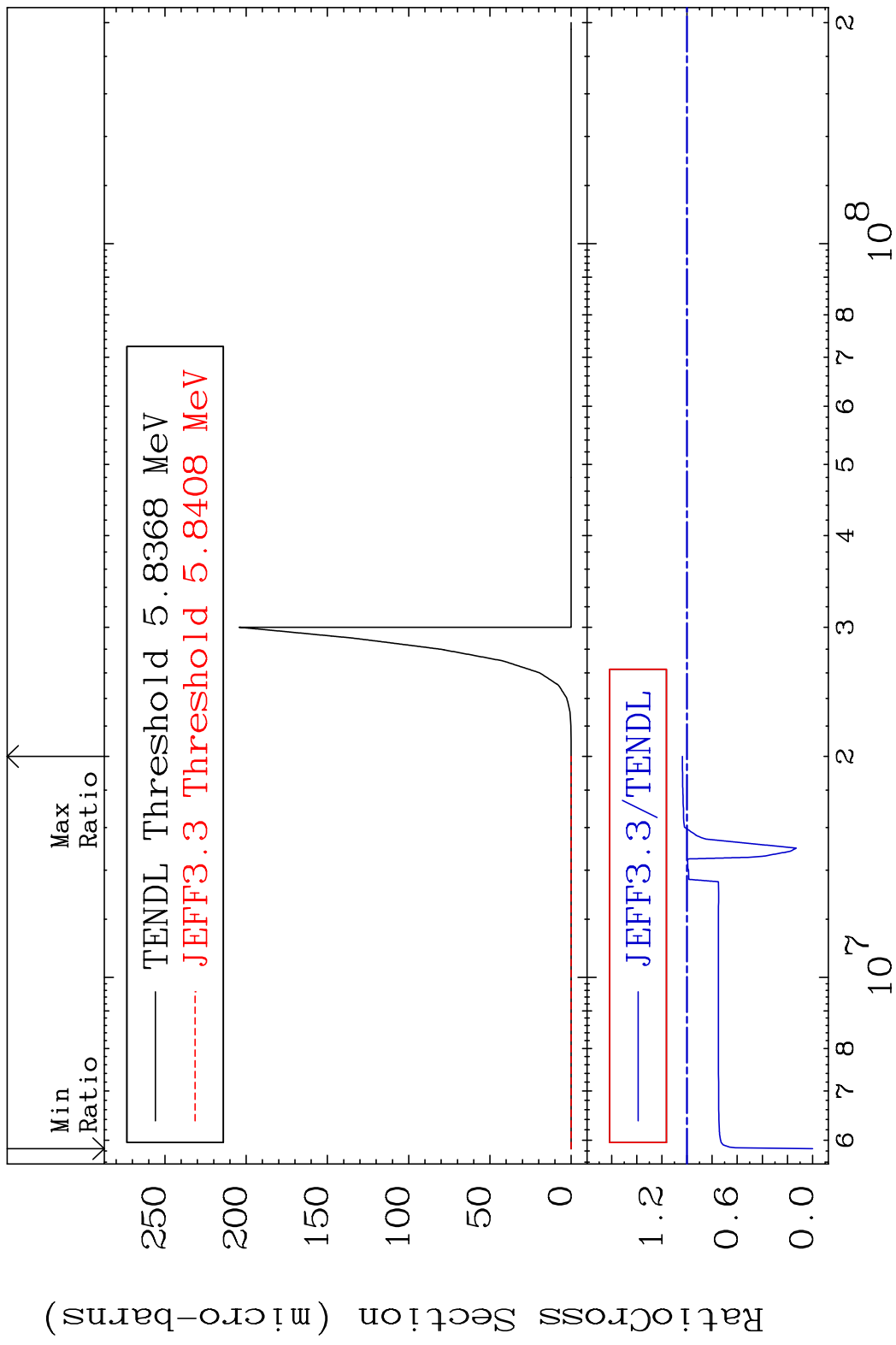


MAT 7237 (n, t):71-Lu-176m1 72-Hf-178
 Radionuclide Production Cross Section 0.000 %



75 Incident Energy (eV) 72-Hf-178

MAT 7237 (n, He-3) : 70-Yb-176g 72-Hf-178
 Radionuclide Production Cross Section Ratio 3.690 %



76 Incident Energy (eV) 72-Hf-178

MAT 7237 (n, He-3) : 70-Yb-176m5 72-Hf-178
 Radionuclide Production Cross Section Ratio -38.09%

