

Program Complot
(Version 2021-1)

by

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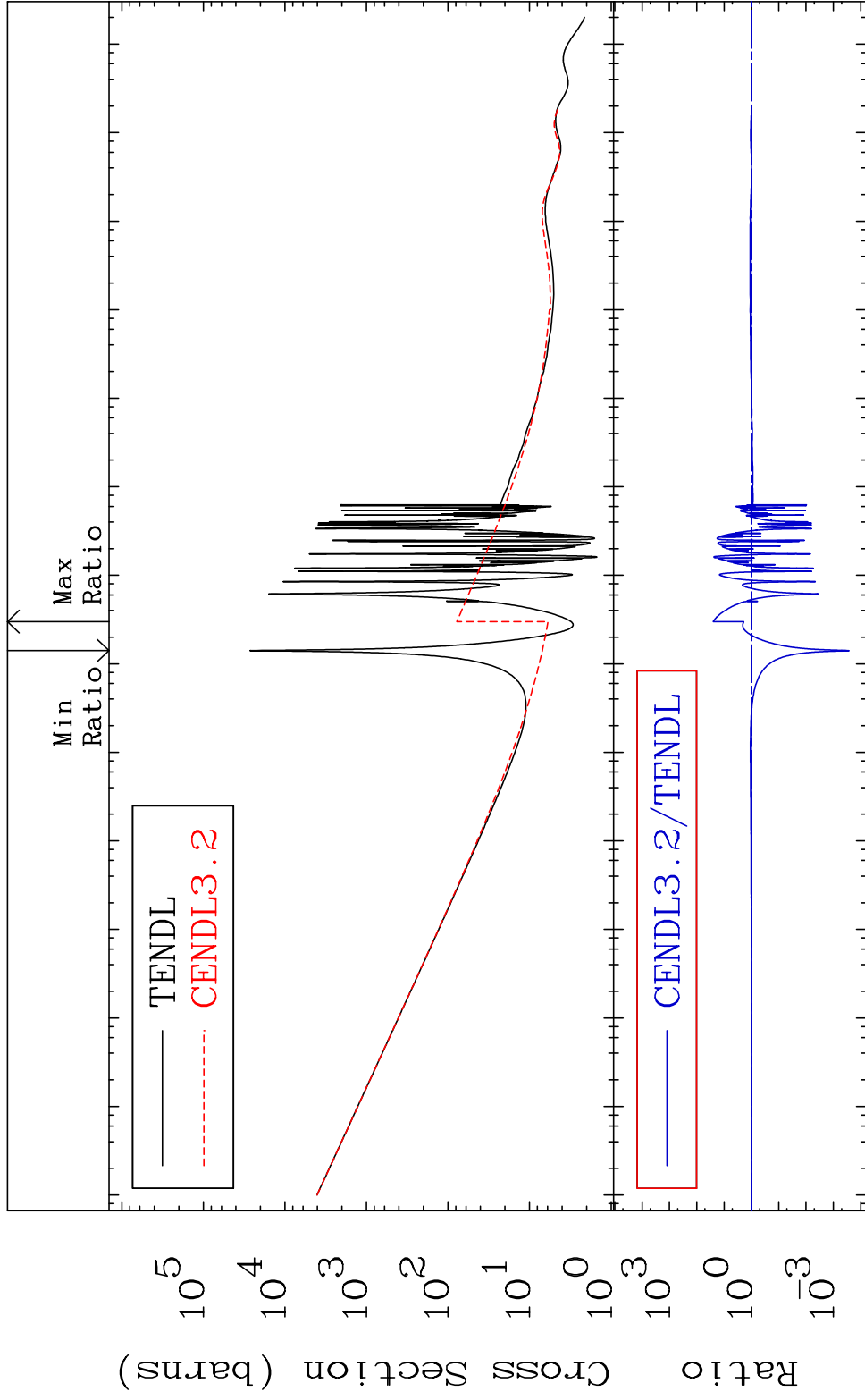
Press Mouse Button to Start

MAT 5337

Total

53-I -131

Cross Section -99.97 To 2402. %



1

Incident Energy (eV)

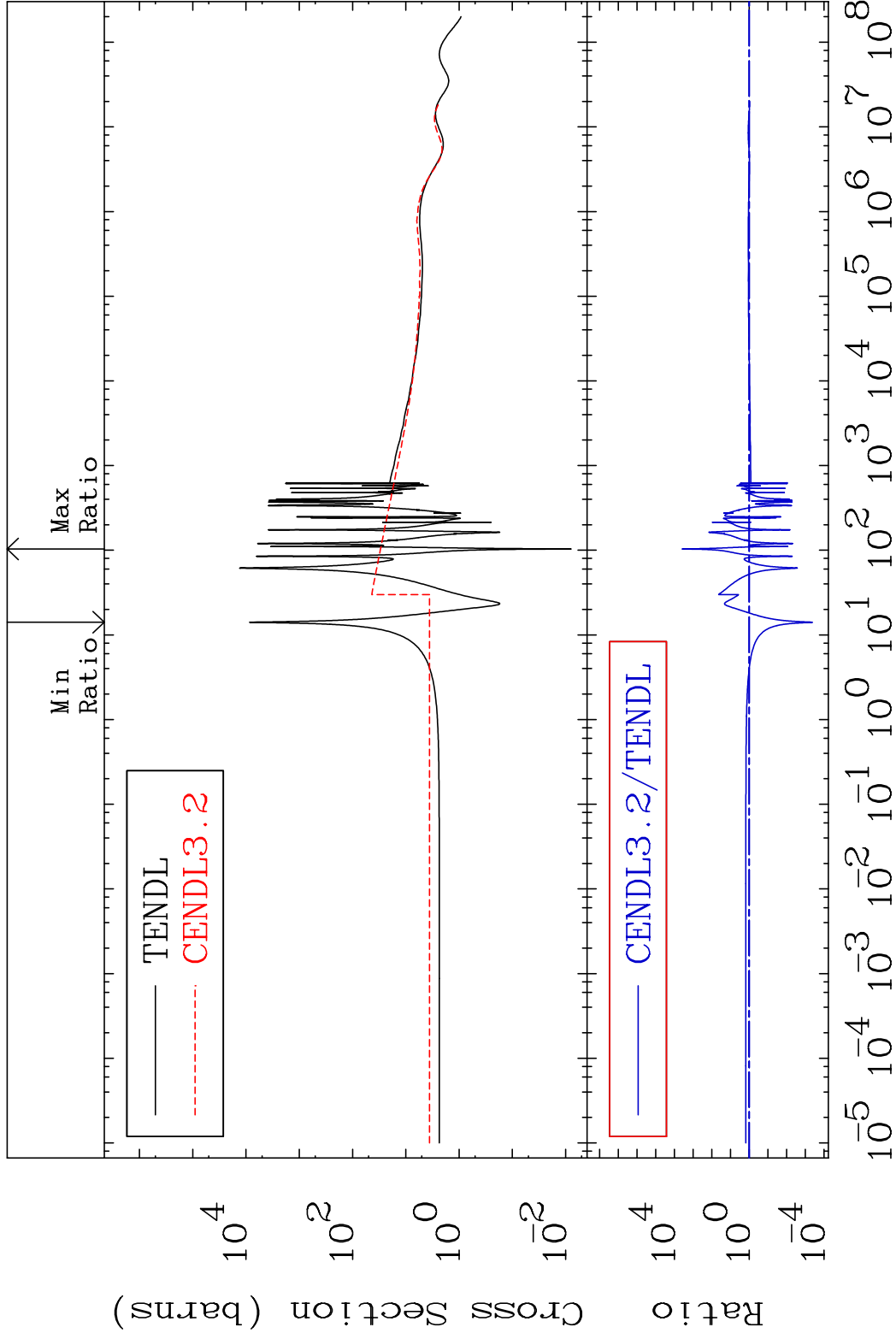
53-I -131

MAT 5337

Elastic

53-I -131

Cross Section -99.96 To 9999. %



2

Incident Energy (eV)

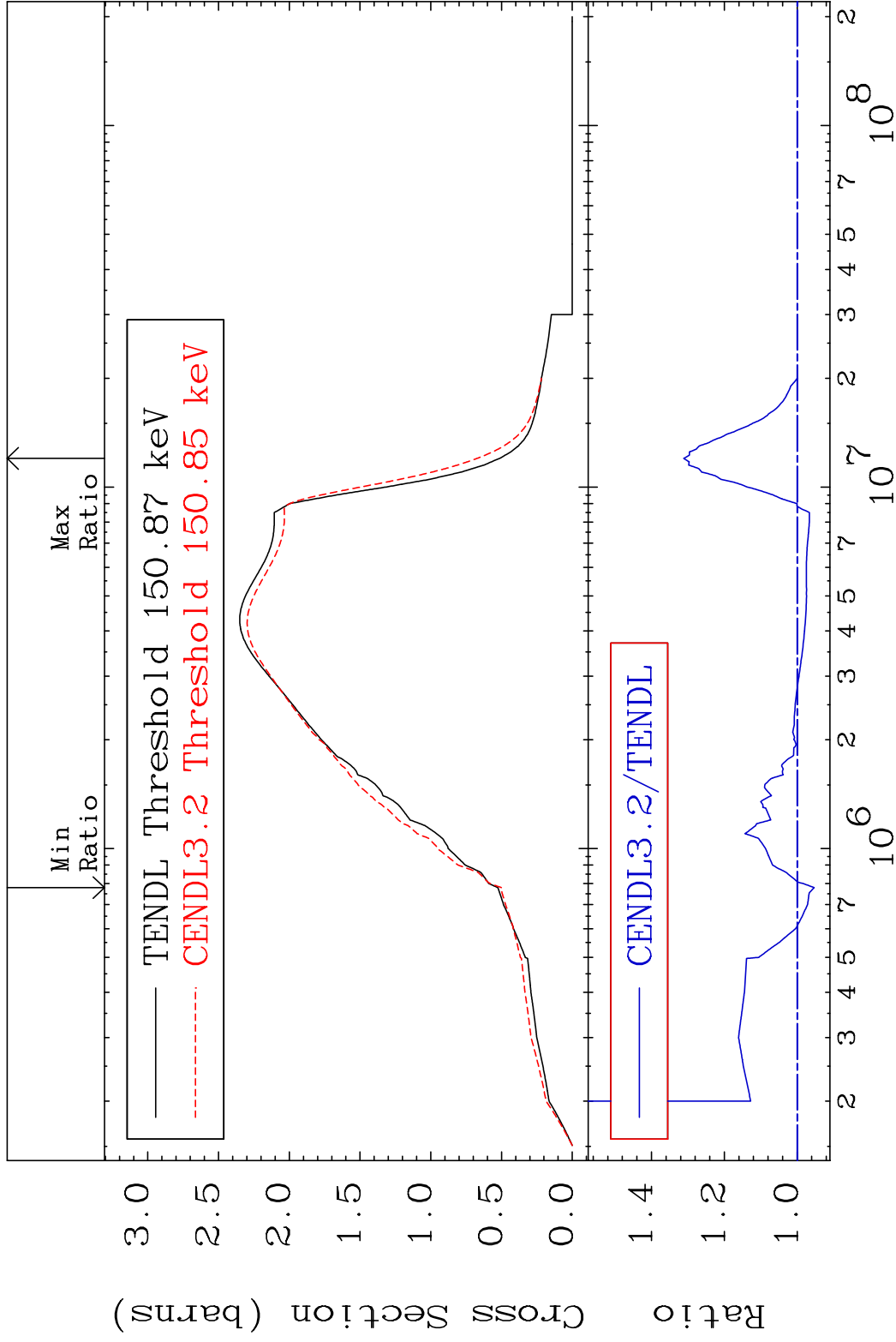
53-I -131

MAT 5337

Inelastic

53-I -131

Cross Section -4.645 To 31.17 %



3

Incident Energy (eV)

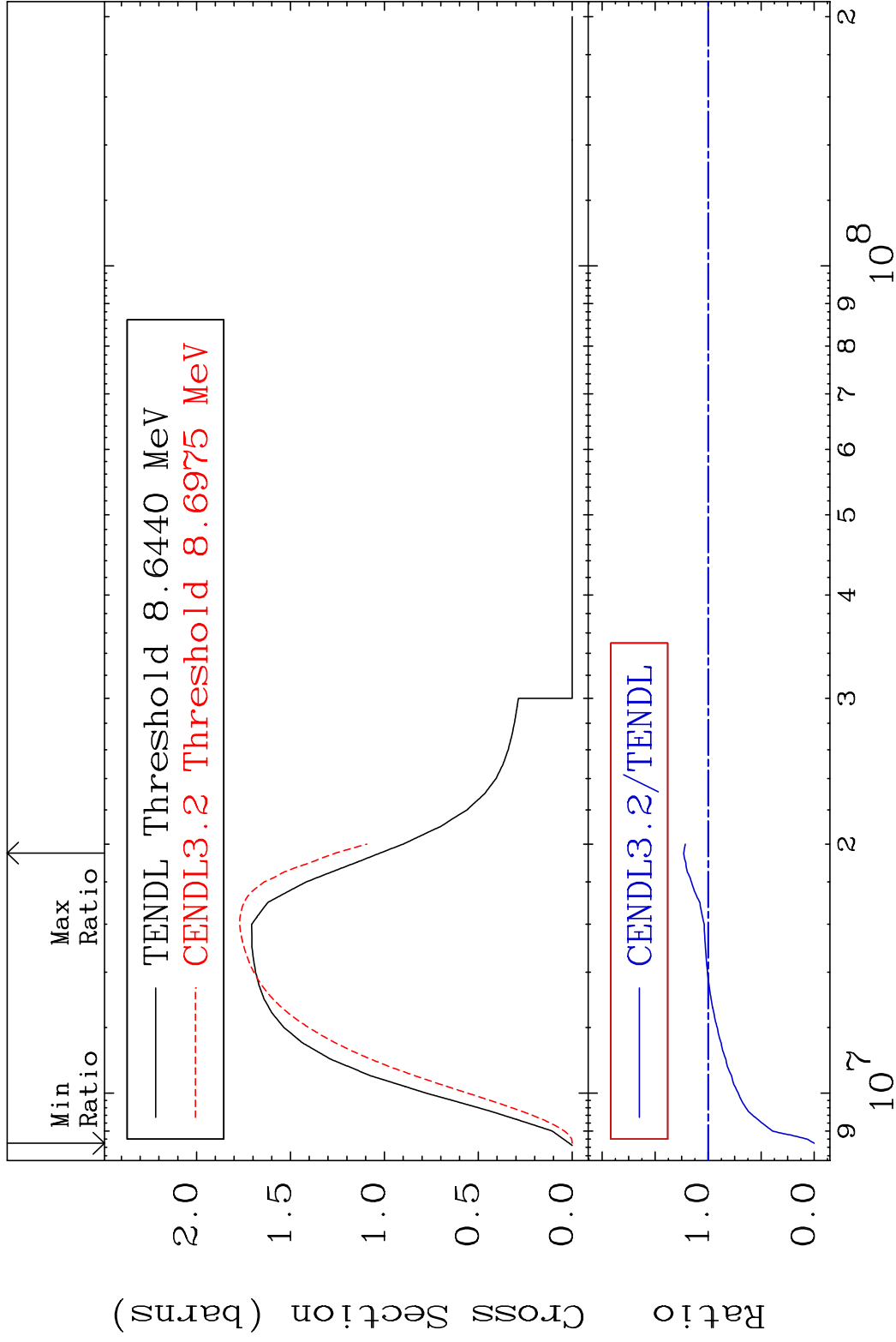
53-I -131

MAT 5337

(n,2n)

53-I -131

Cross Section -100.0 To 23.07 %



4

Incident Energy (eV)

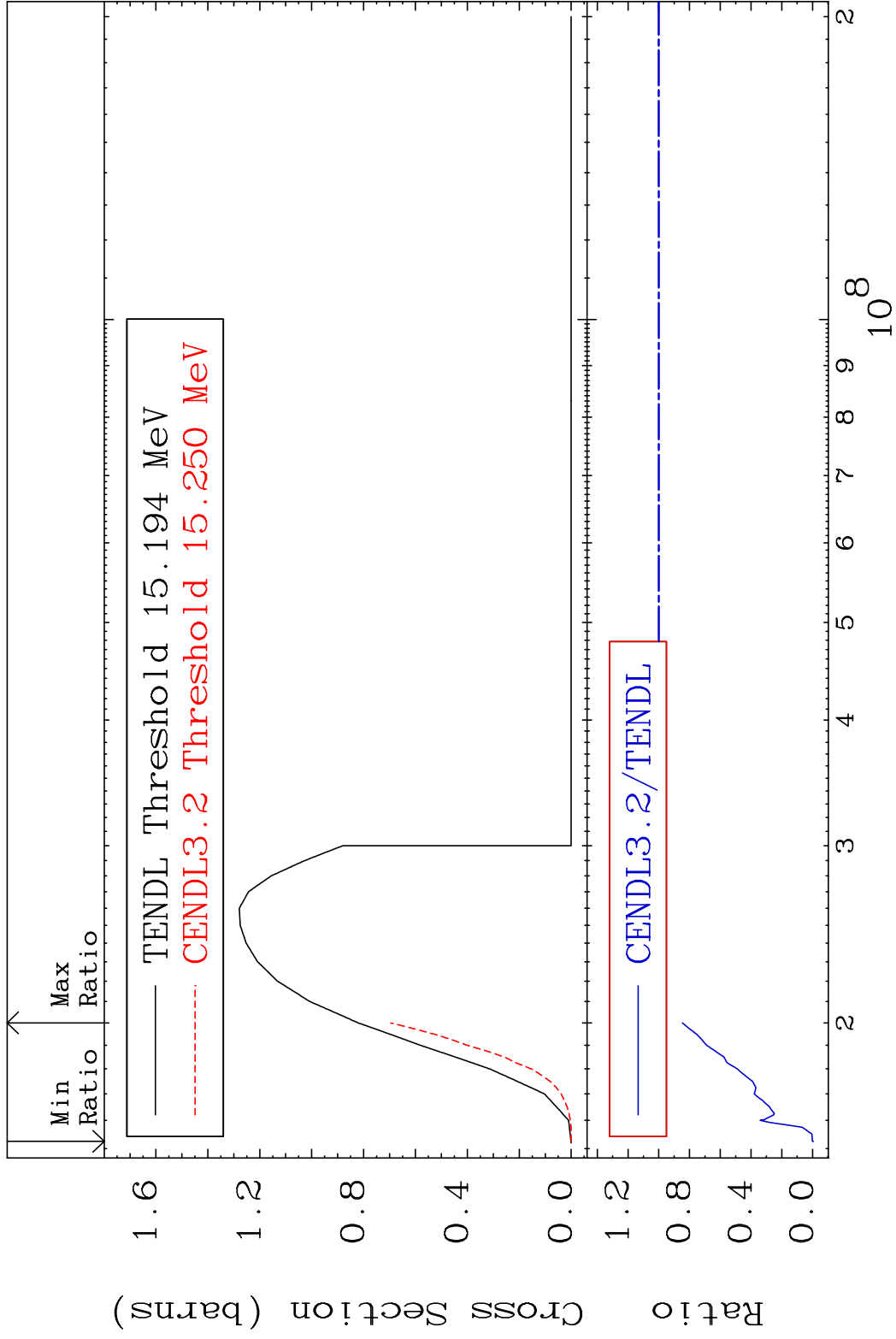
53-I -131

MAT 5337

(n,3n)

53-I -131

Cross Section -100.0 To -15.33%



5

Incident Energy (eV)

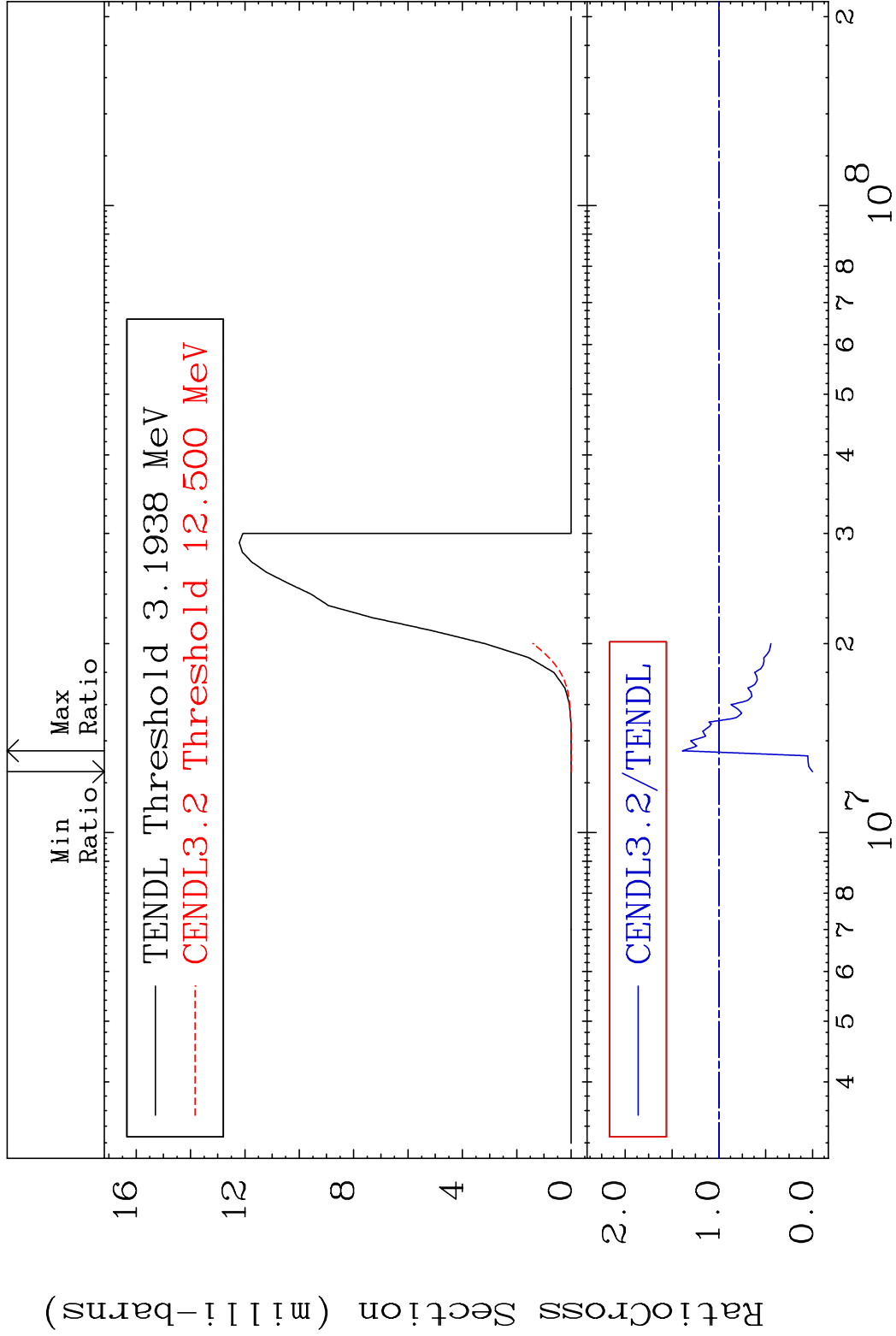
53-I -131

MAT 5337

(n, n') α

53-I -131

Cross Section -100.0 To 38.98 %



6

Incident Energy (eV)

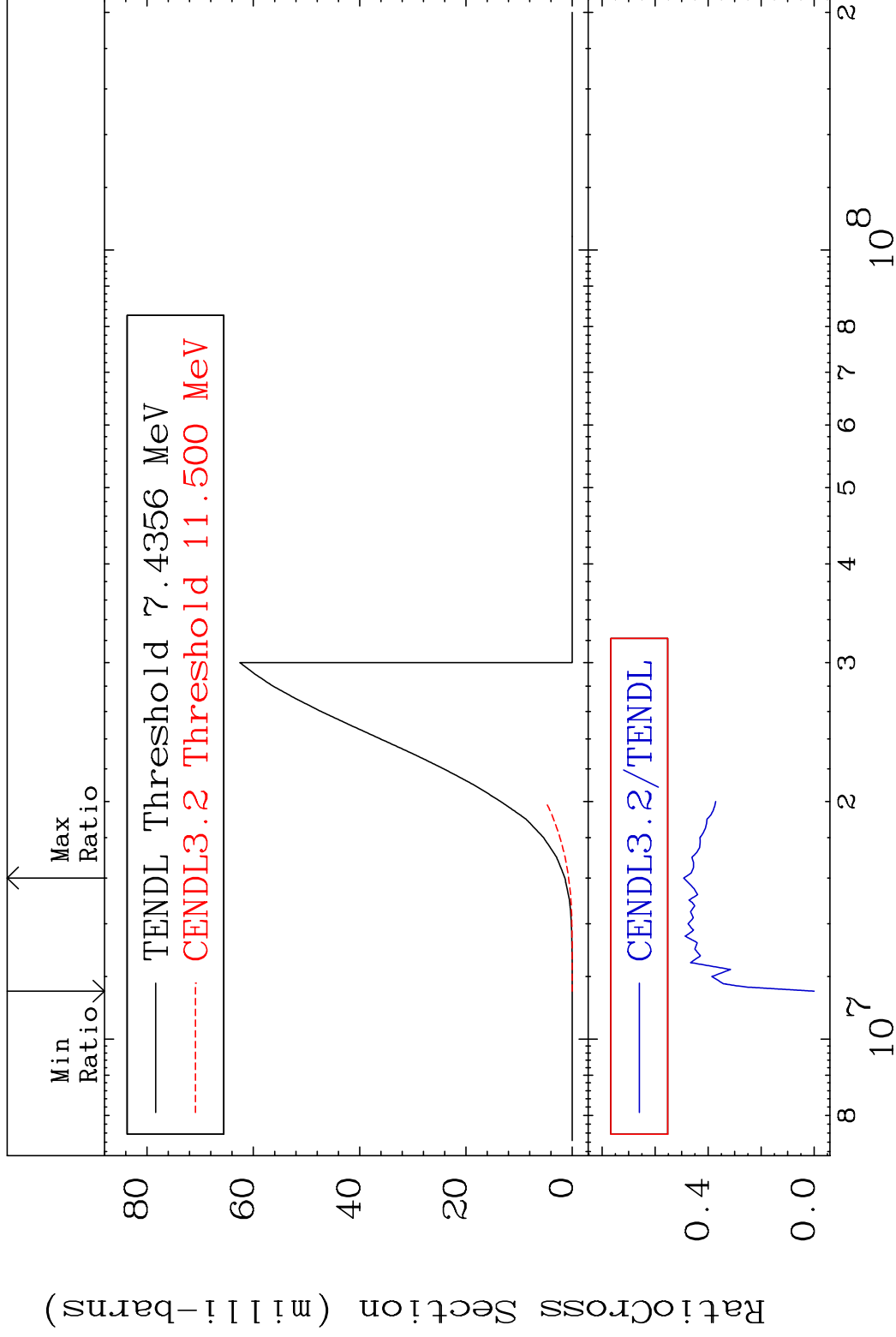
53-I -131

MAT 5337

(n, n') p

53-I -131

Cross Section -100.0 To -50.75%

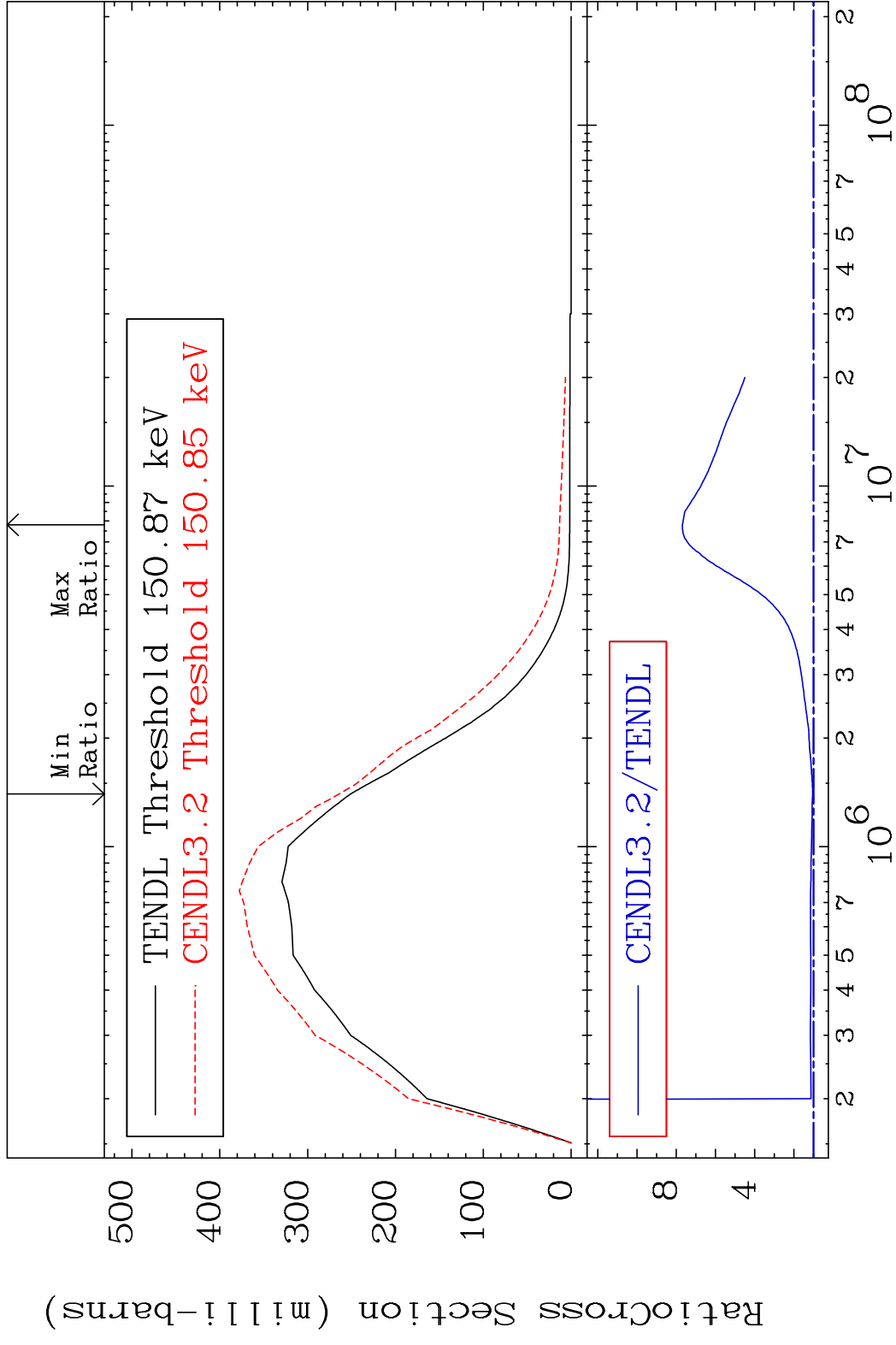


7

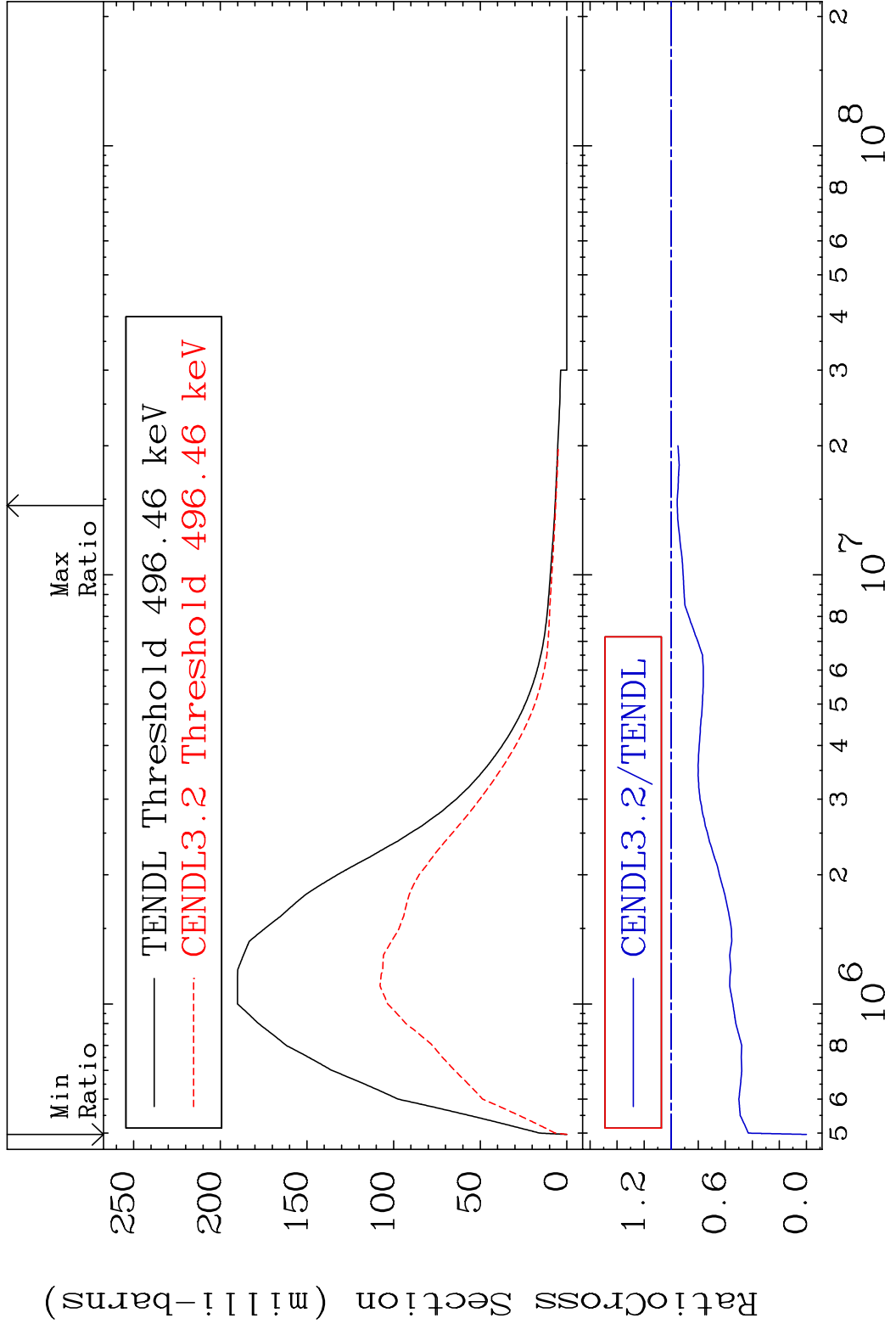
Incident Energy (eV)

53-I -131

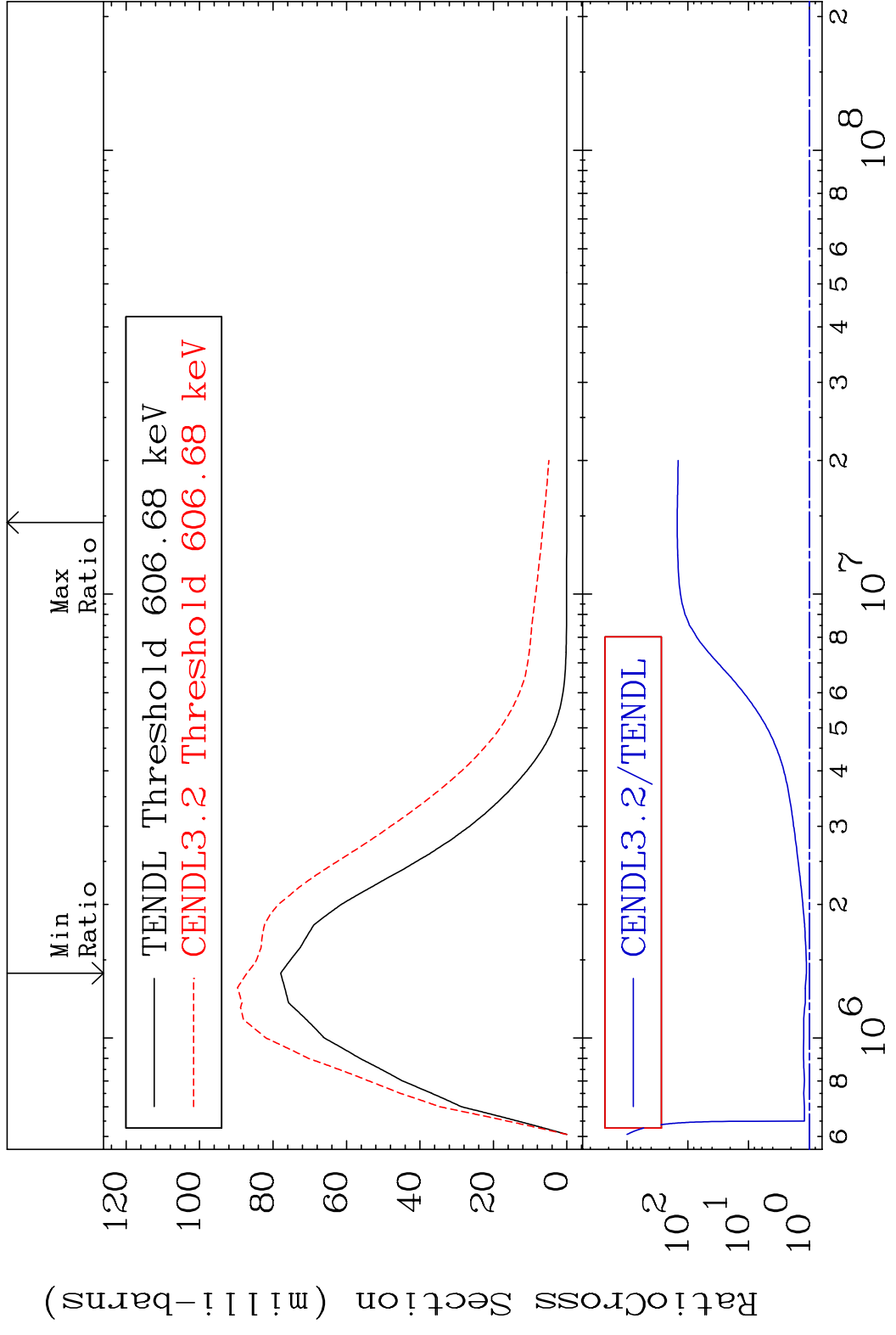
MAT 5337 MT= 51 (n, n') Level 53-I -131
 Cross Section 5.209 To 668.8 %



MAT 5337 MT= 52 (n, n') Level 53-I -131
 Cross Section -100.0 To -4.431%

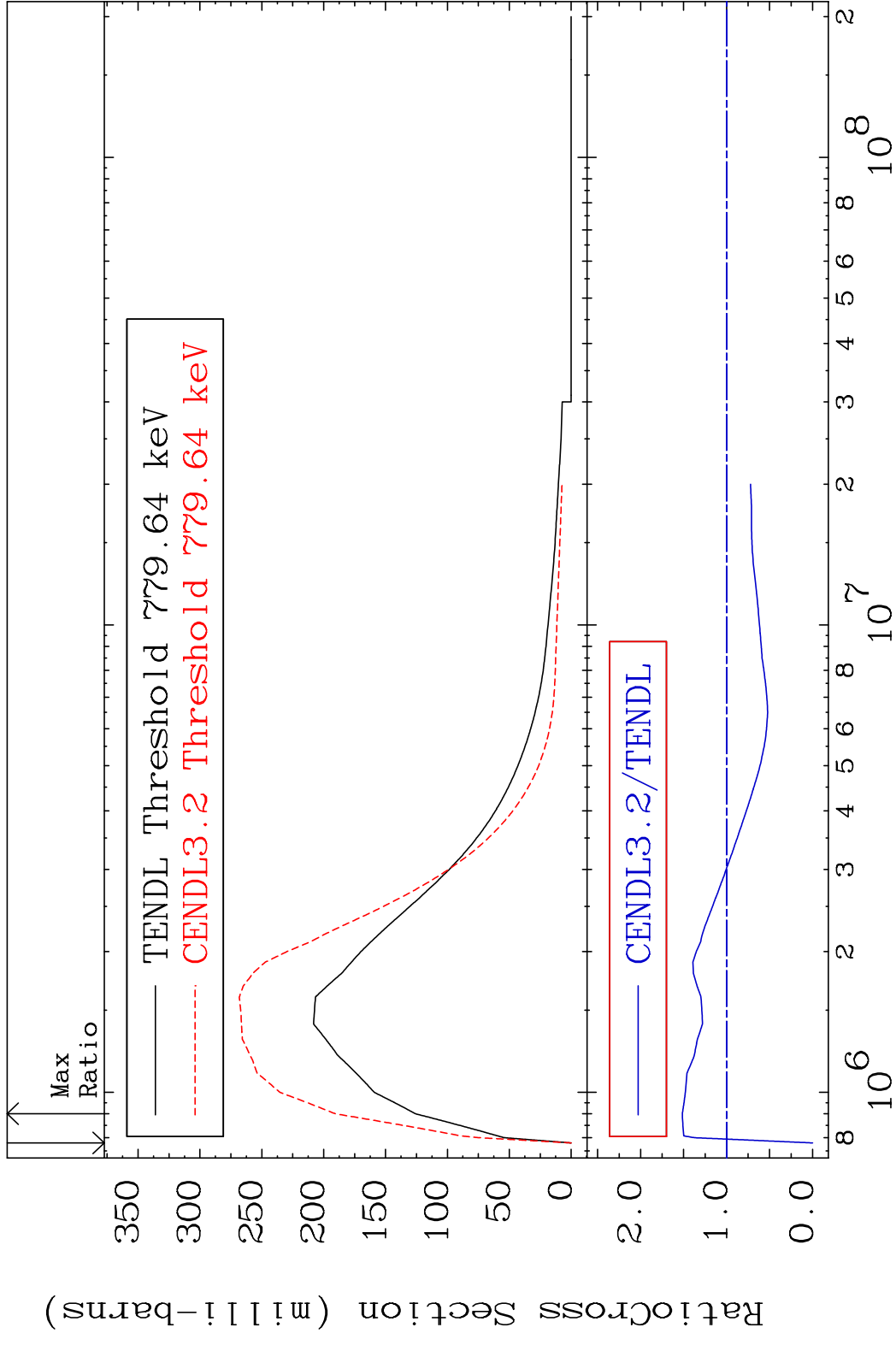


MAT 5337 MT= 53 (n, n') Level 53-I -131
 Cross Section 11.83 To 9999. %

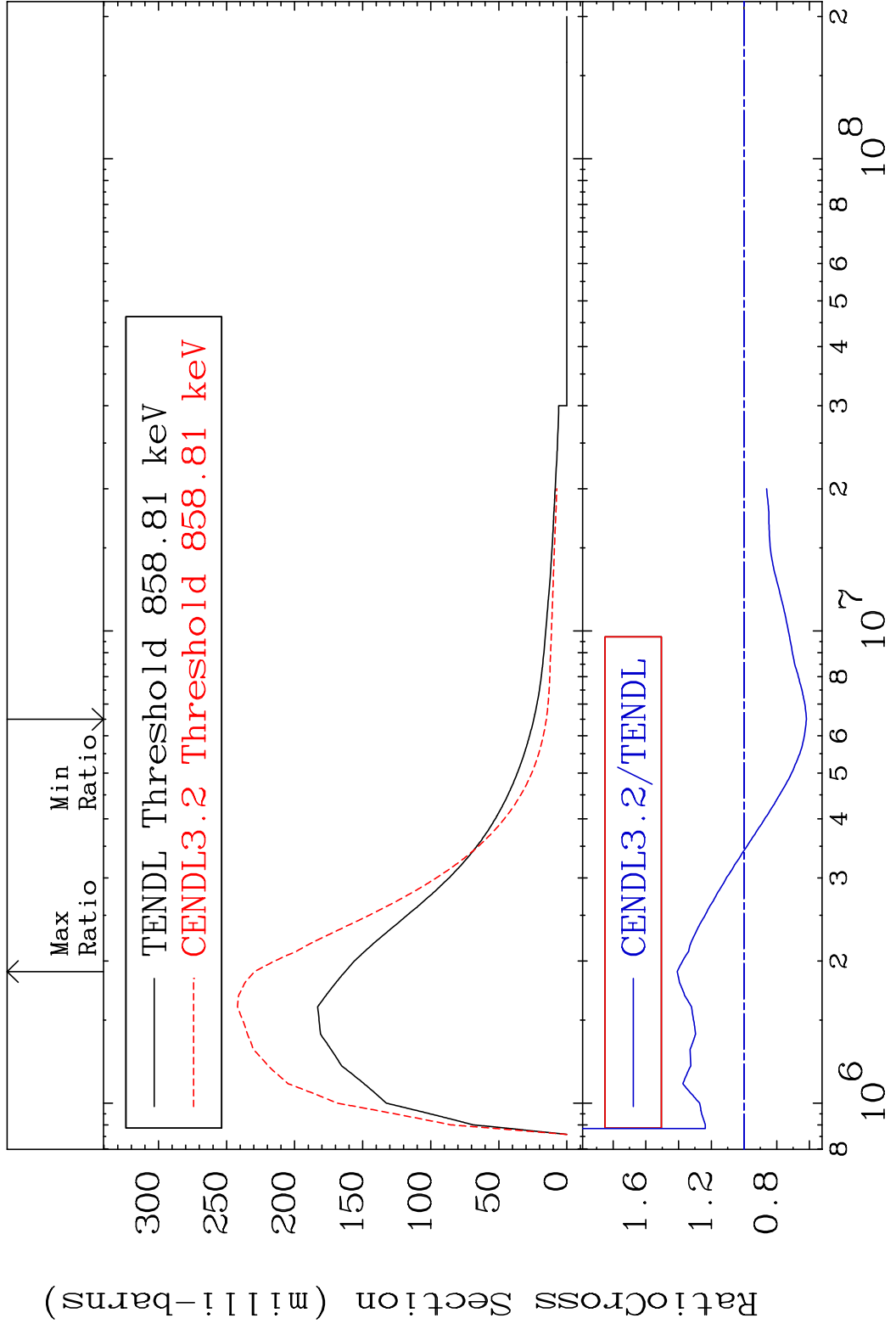


10 Incident Energy (eV) 53-I -131

MAT 5337 MT= 54 (n,n') Level 53-I -131
 Cross Section -100.0 To 51.44 %

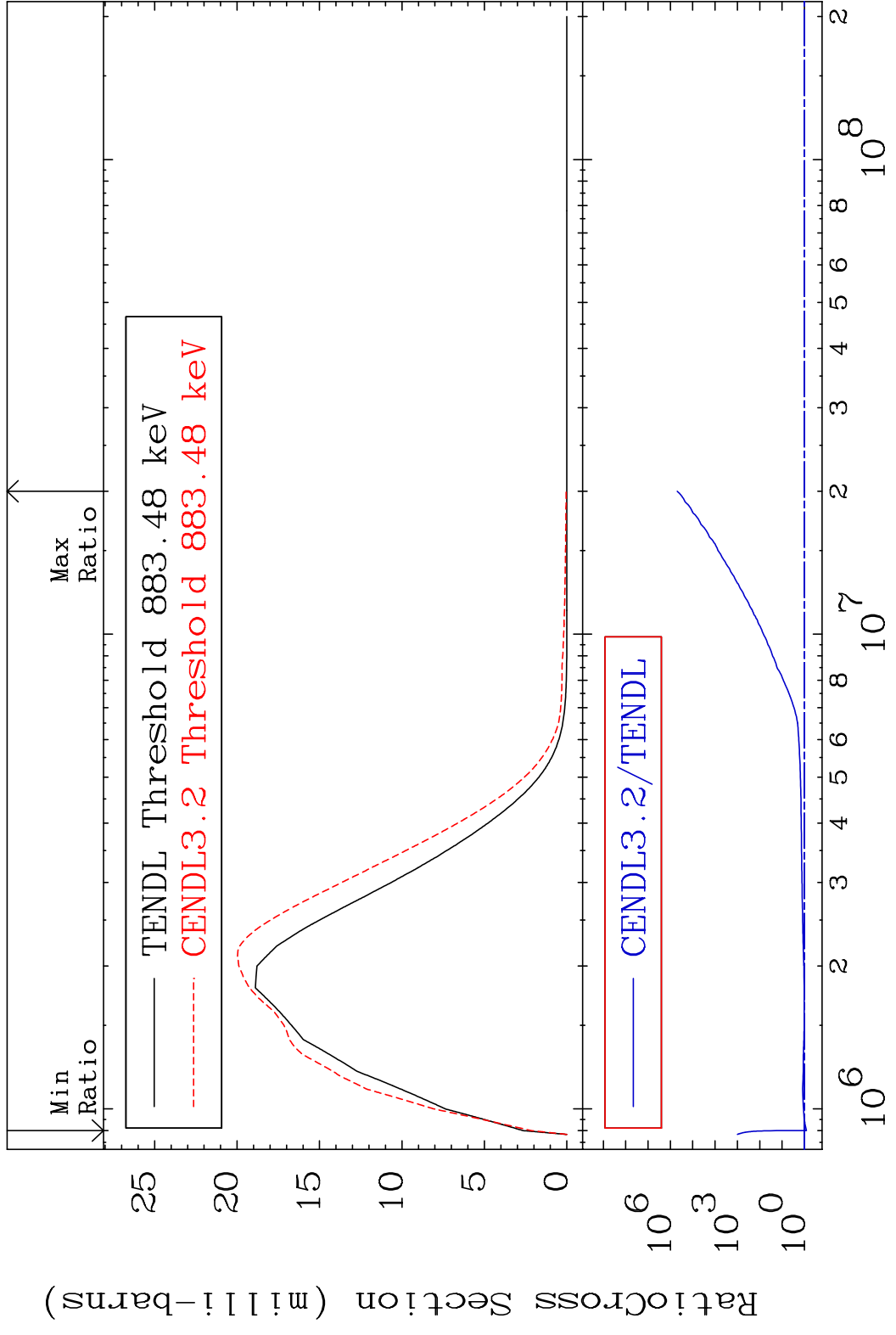


MAT 5337 MT= 55 (n,n') Level 53-I -131
 Cross Section -38.12 To 40.85 %



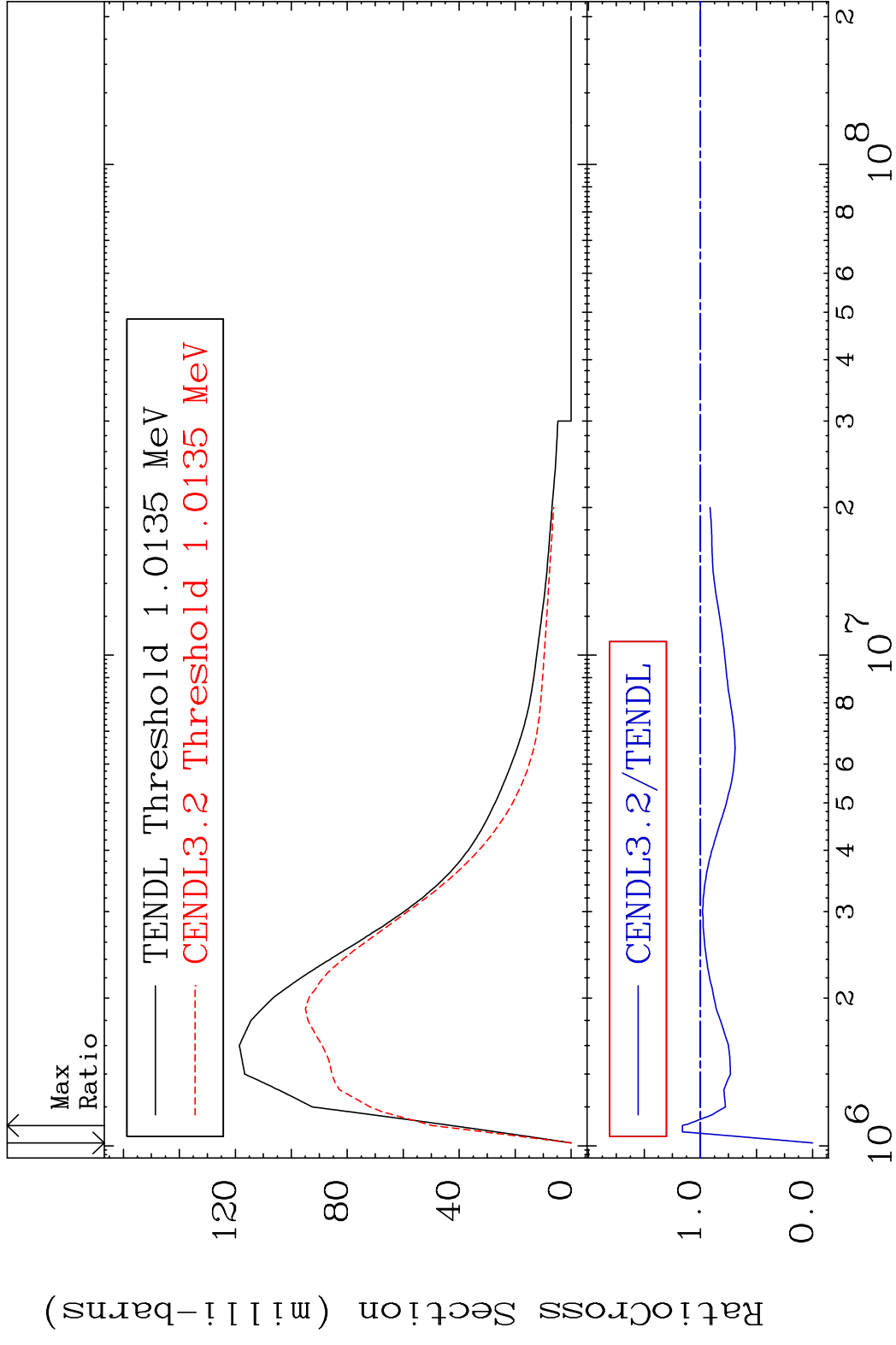
12 Incident Energy (eV) 53-I -131

MAT 5337 MT= 56 (n, n') Level 53-I -131
 Cross Section -18.45 To 9999. %



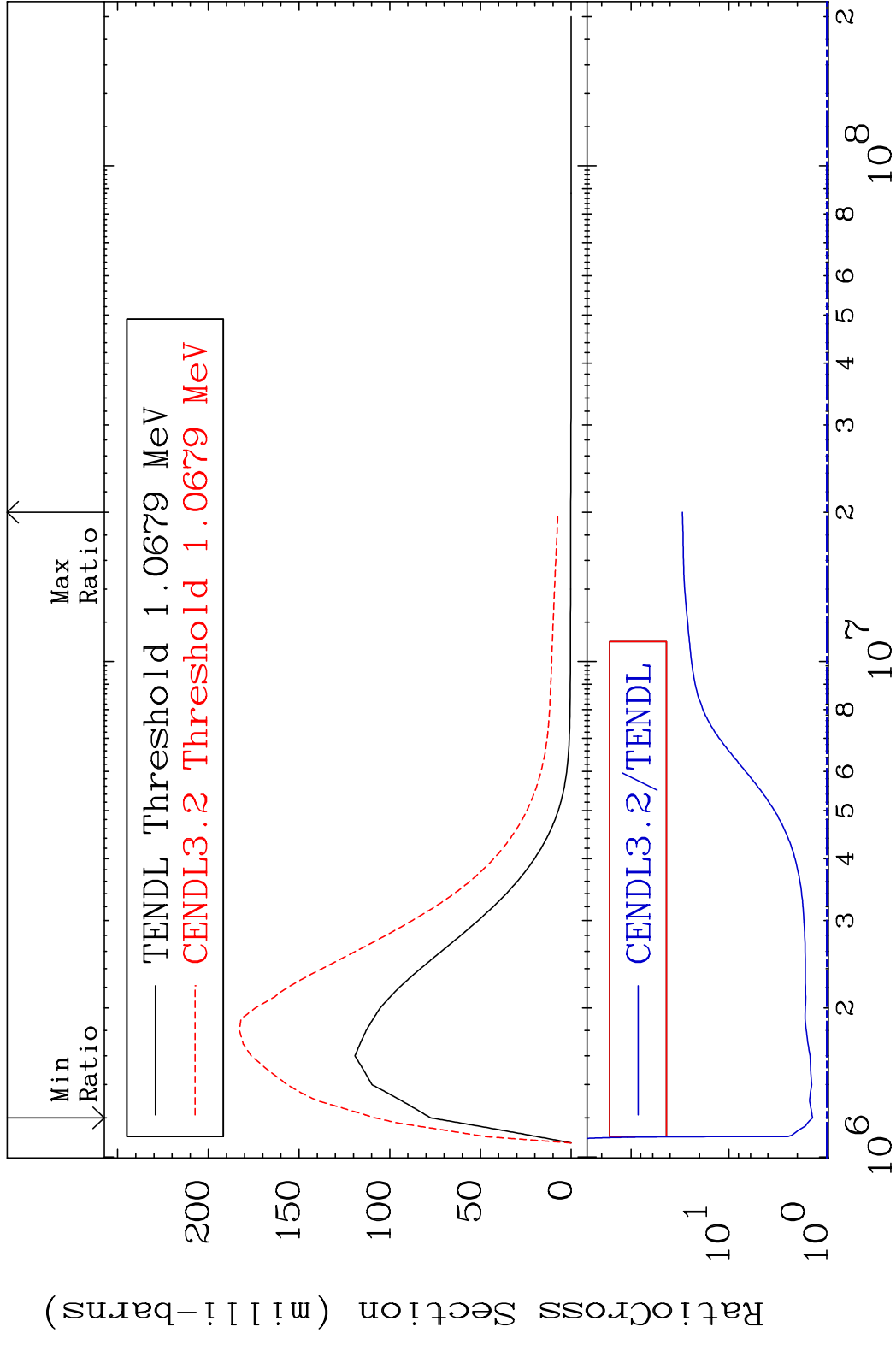
13 Incident Energy (eV) 53-I -131

MAT 5337 MT= 57 (n,n') Level 53-I -131
 Cross Section -100.0 To 16.13 %



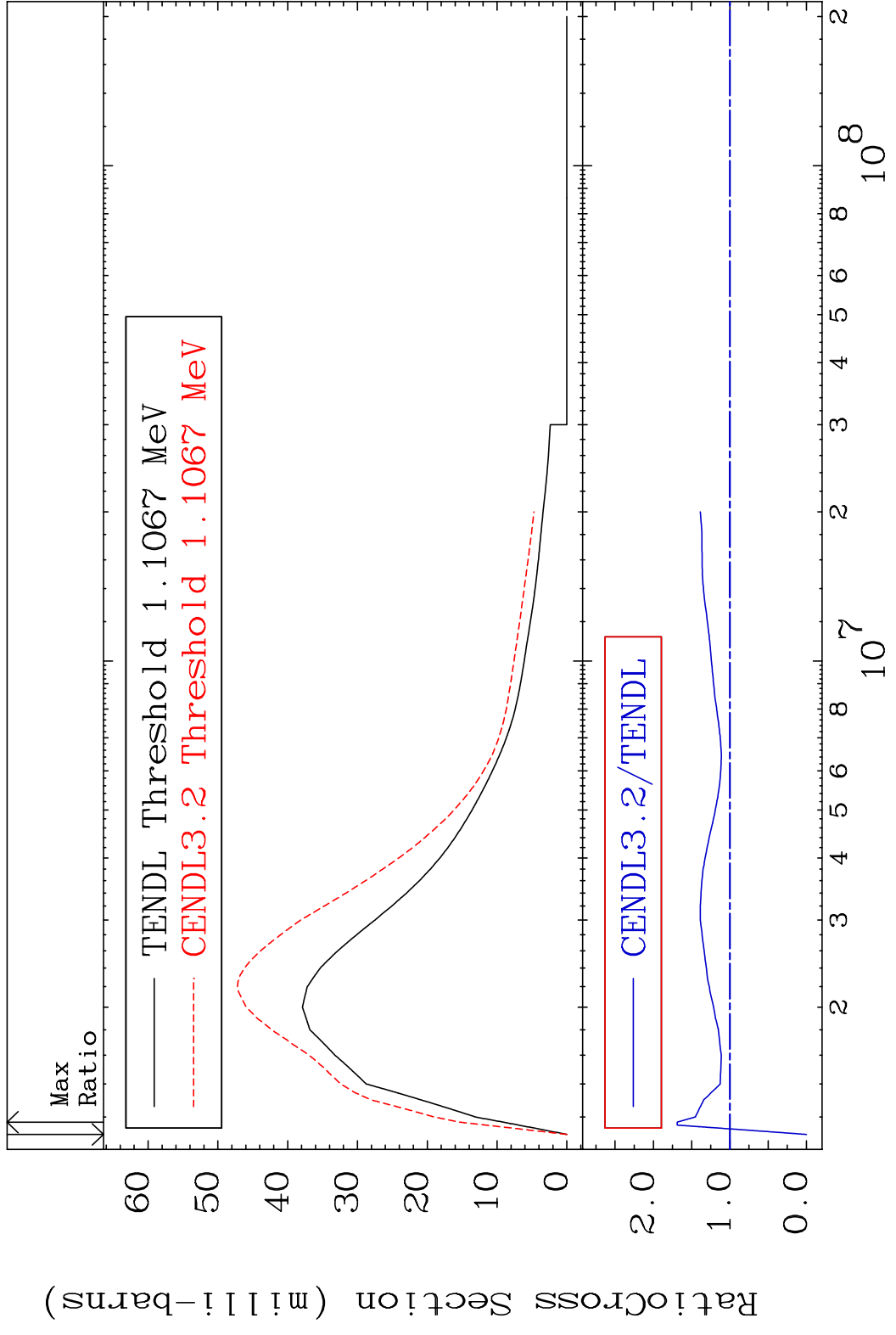
14 53-I -131

MAT 5337 MT= 58 (n, n') Level 53-I -131
 Cross Section 39.51 To 2894. %

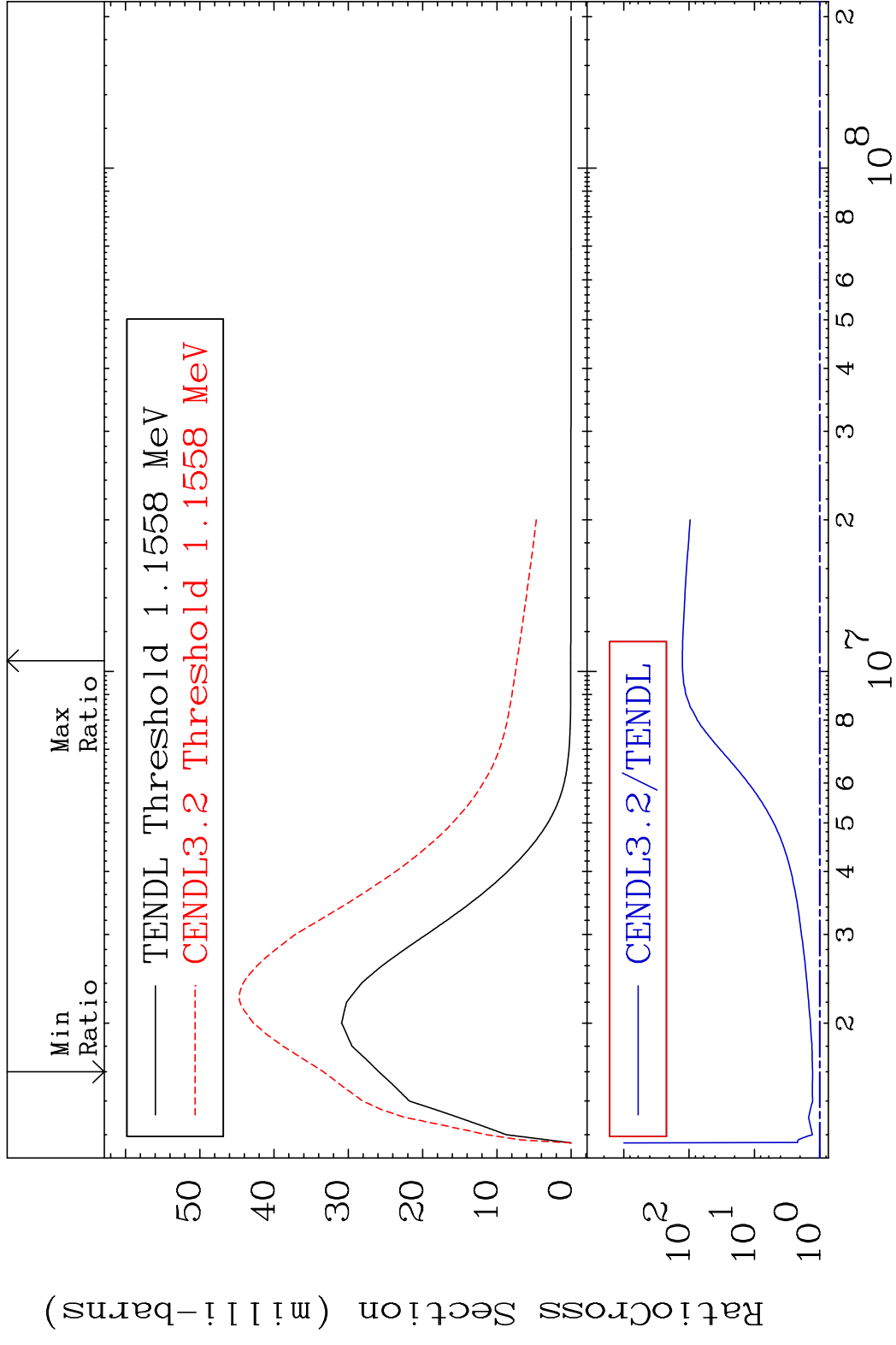


15 Incident Energy (eV) 53-I -131

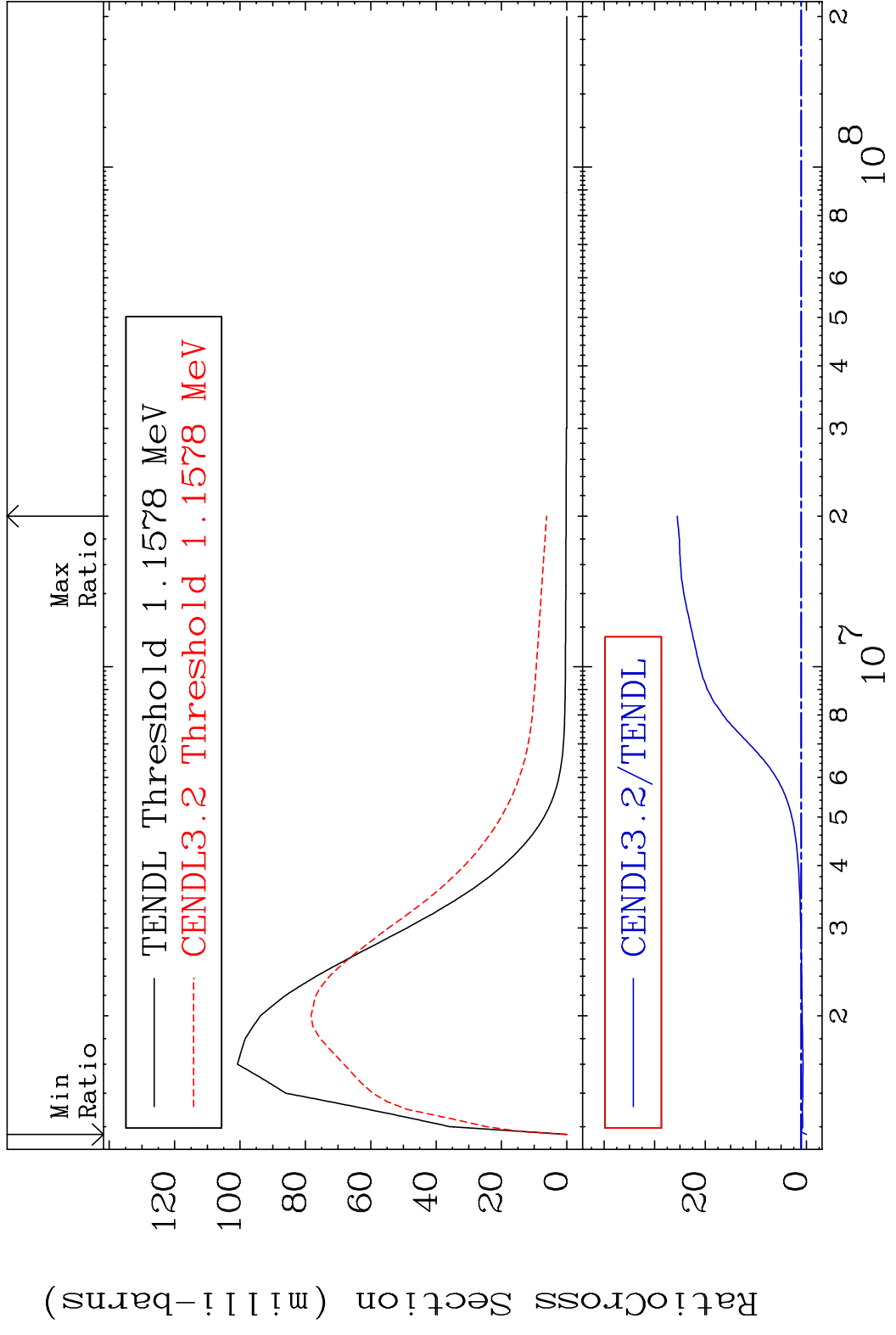
MAT 5337 MT= 59 (n,n') Level 53-I -131
 Cross Section -100.0 To 68.85 %



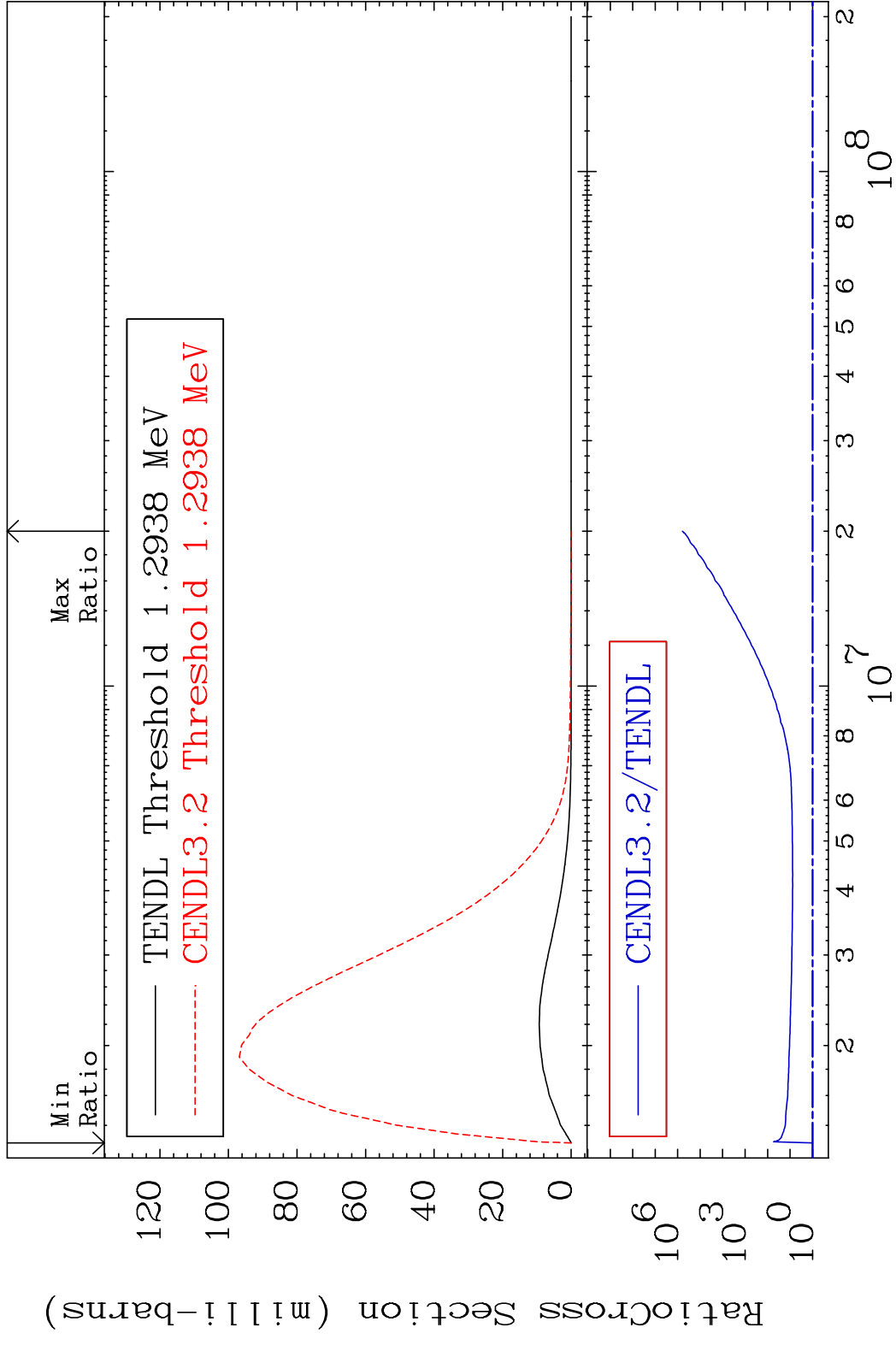
MAT 5337 MT= 60 (n, n') Level 53-I -131
 Cross Section 28.77 To 9999. %



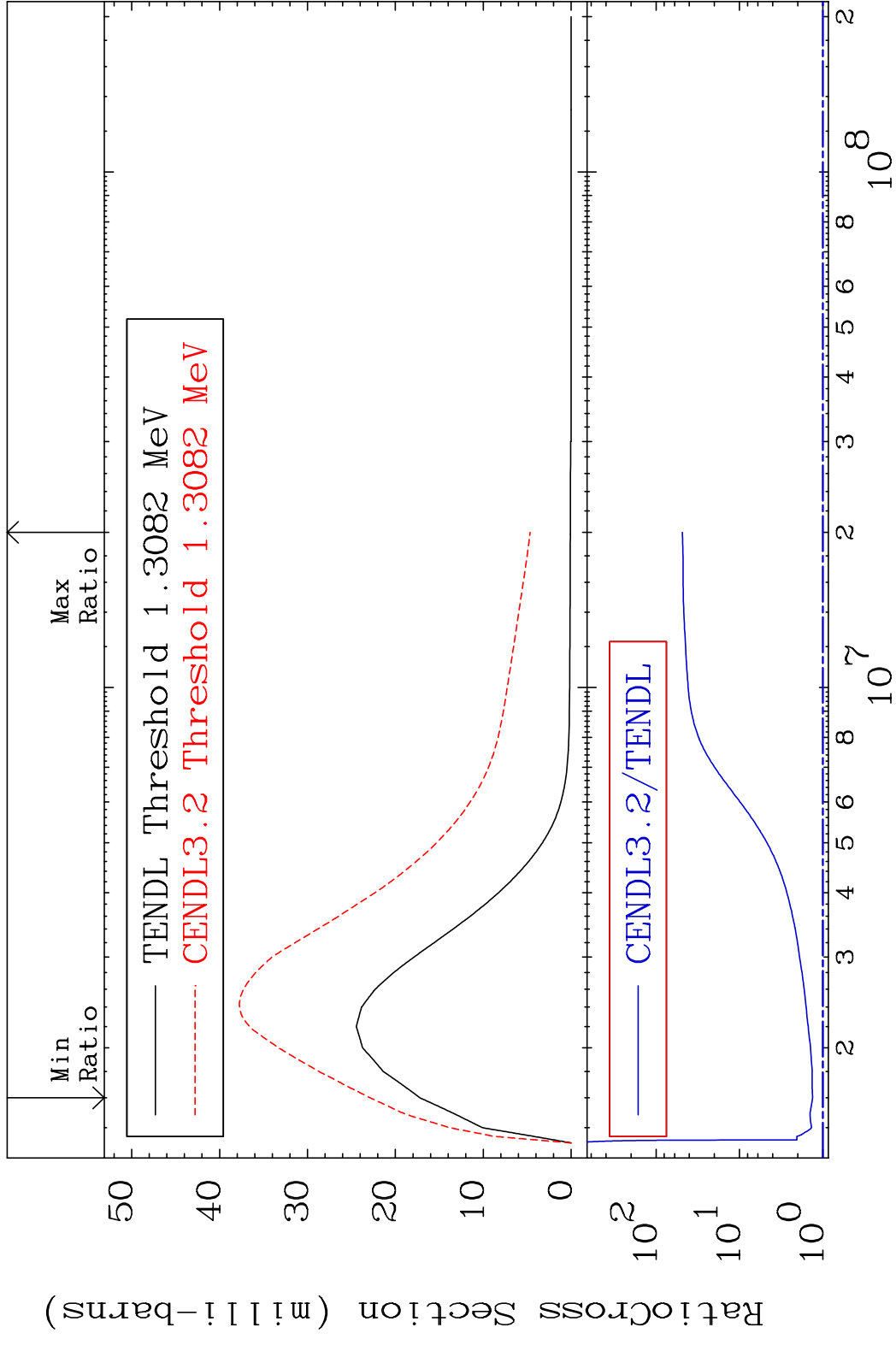
MAT 5337 MT= 61 (n, n') Level 53-I -131
 Cross Section -100.0 To 2455. %



MAT 5337 MT= 62 (n, n') Level 53-I -131
 Cross Section 0.000 To 9999. %

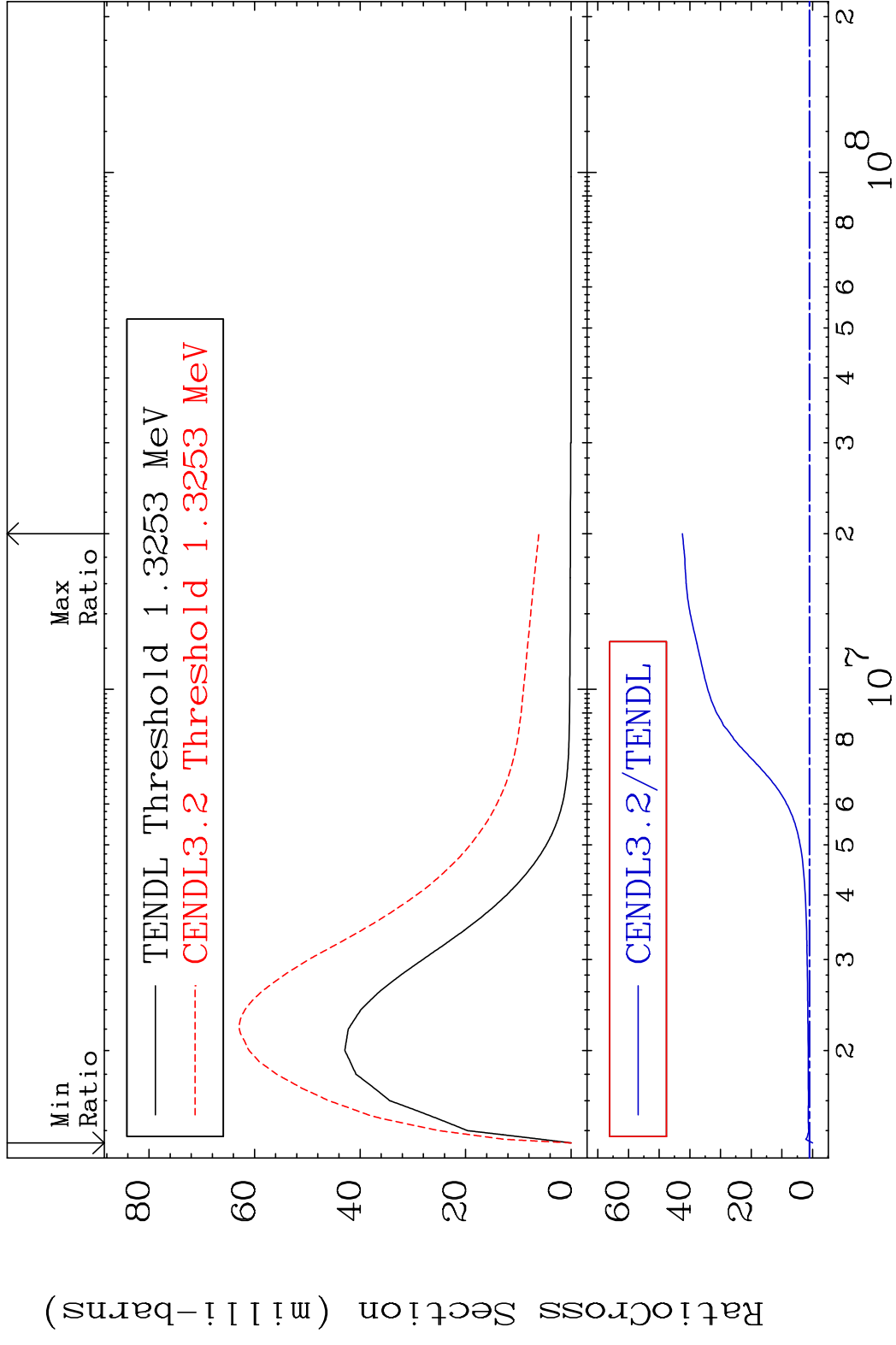


MAT 5337 MT= 63 (n, n') Level 53-I -131
 Cross Section 32.90 To 4742. %

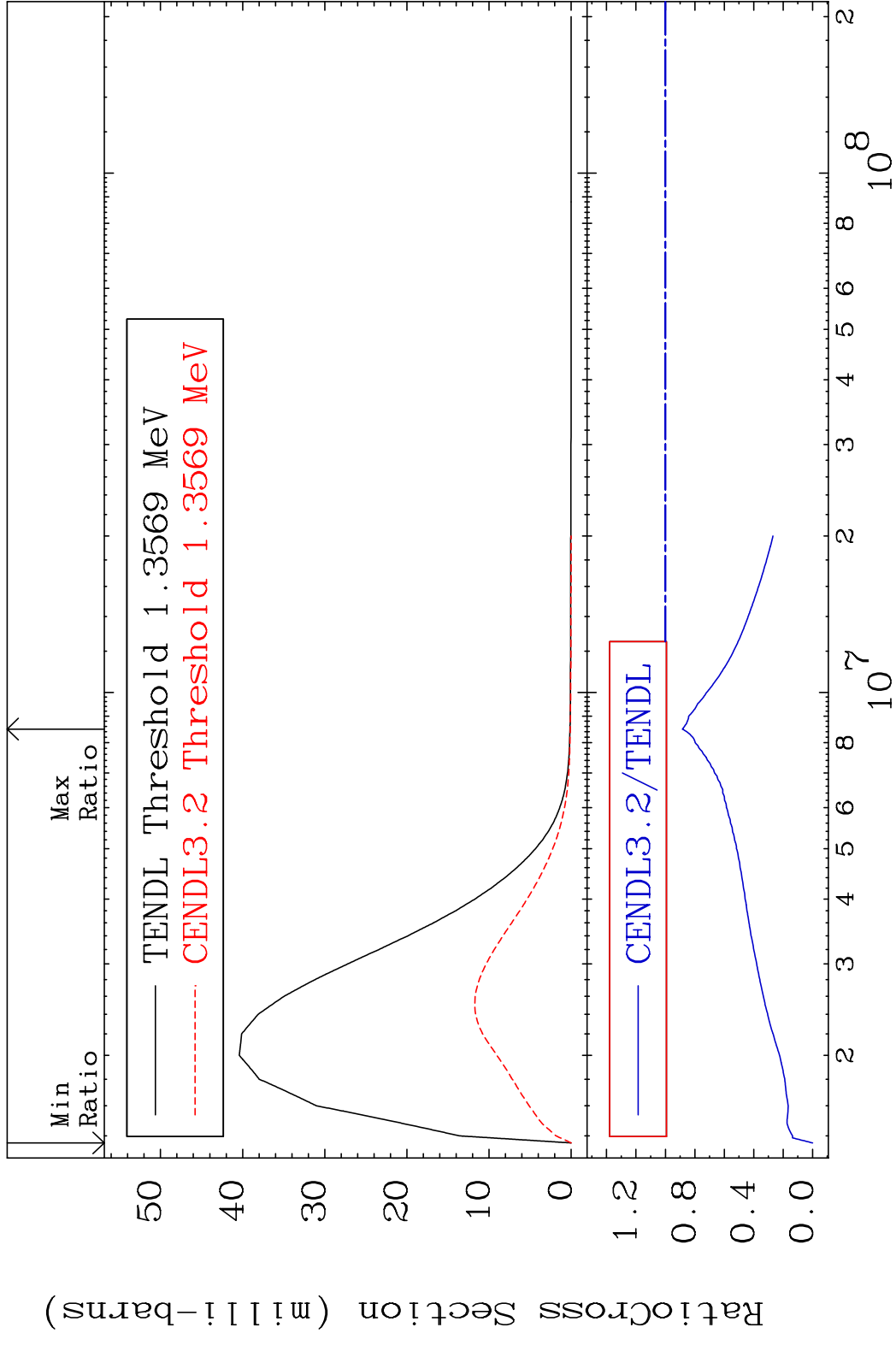


20 Incident Energy (eV) 53-I -131

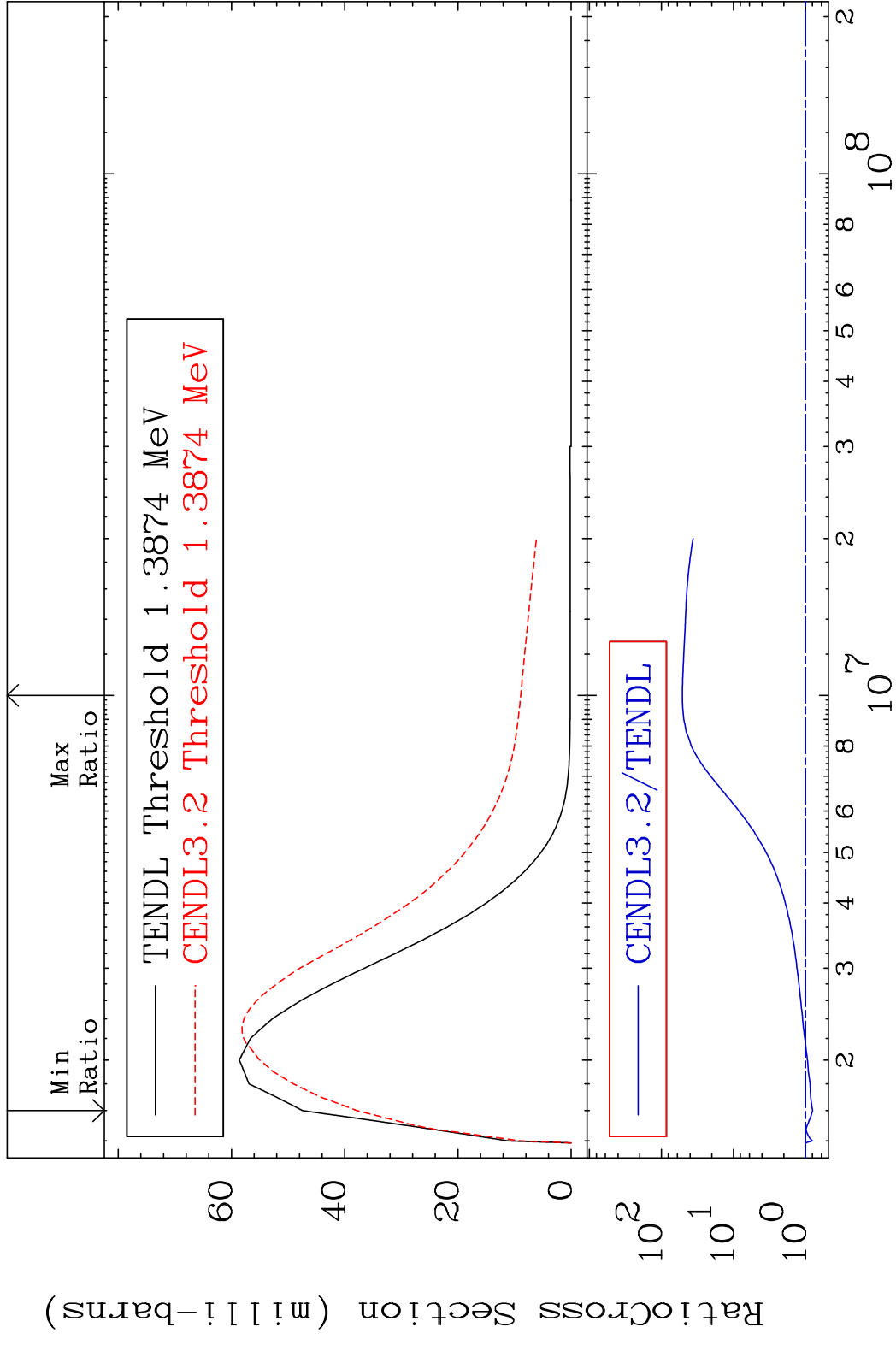
MAT 5337 MT= 64 (n, n') Level 53-I -131
 Cross Section -100.0 To 4144. %



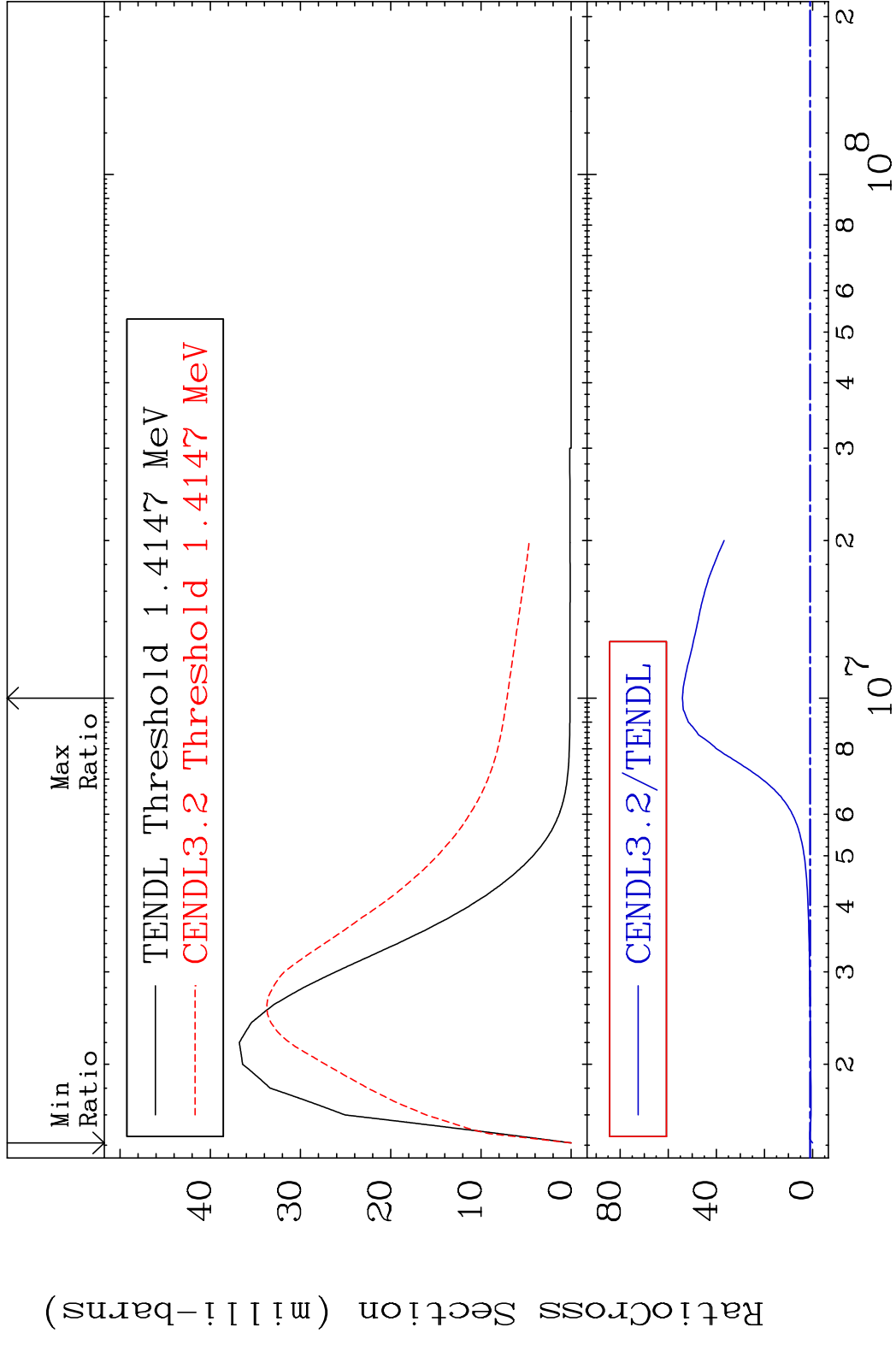
MAT 5337 MT= 65 (n,n') Level 53-I -131
 Cross Section -100.0 To -11.52%



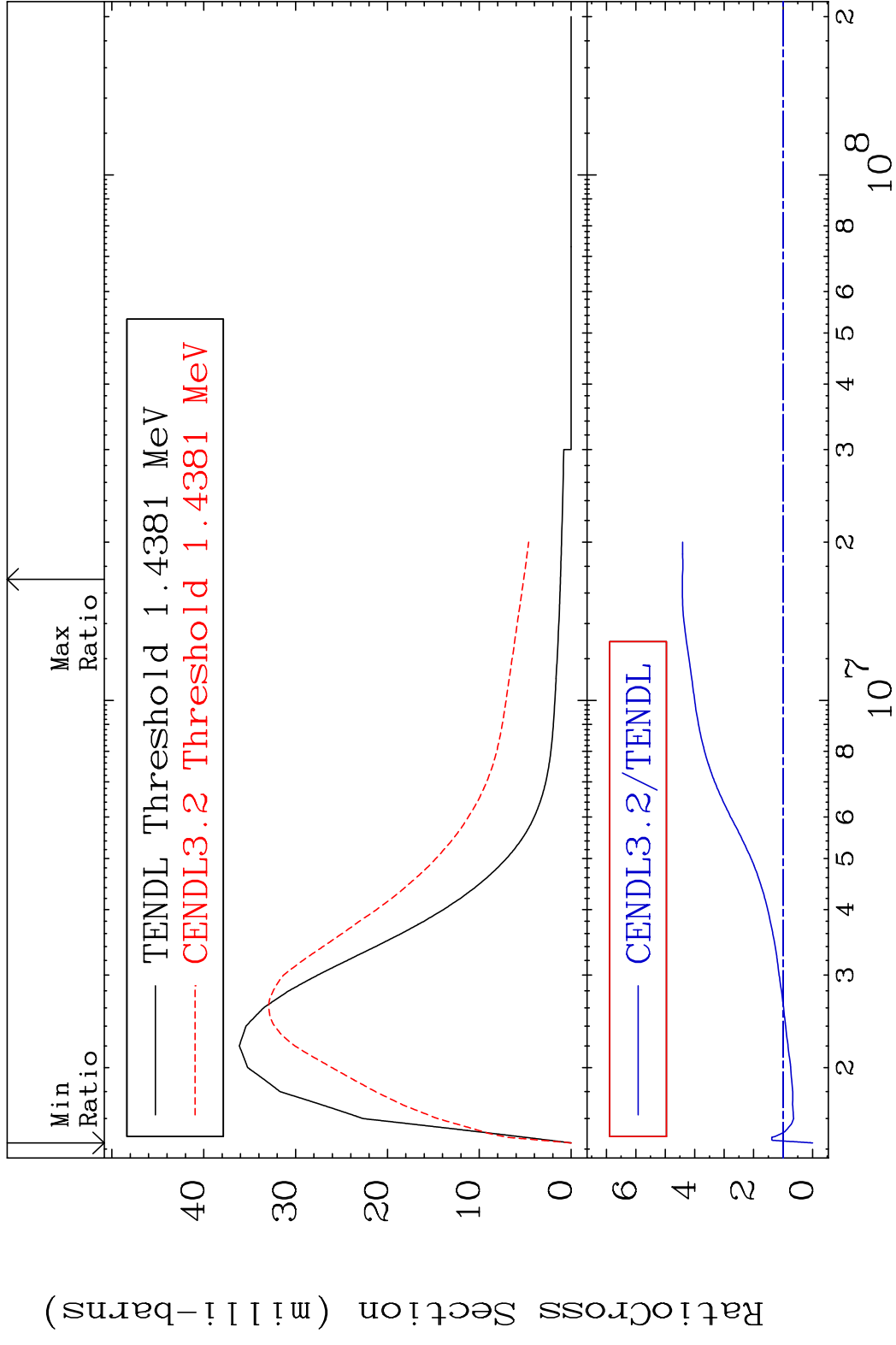
MAT 5337 MT= 66 (n,n') Level 53-I -131
 Cross Section -20.28 To 5014. %



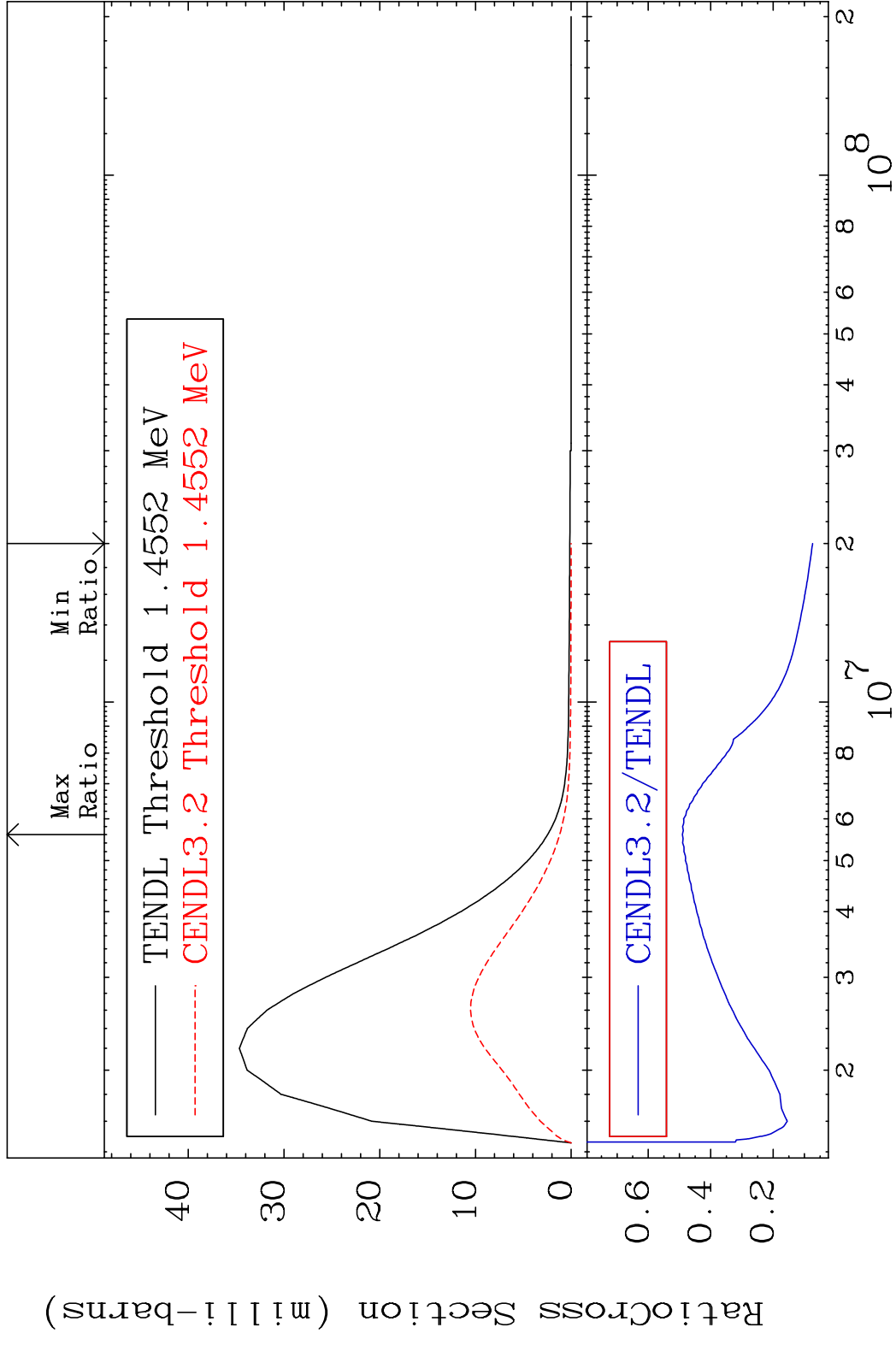
MAT 5337 MT= 67 (n,n') Level 53-I -131
 Cross Section -100.0 To 5314. %



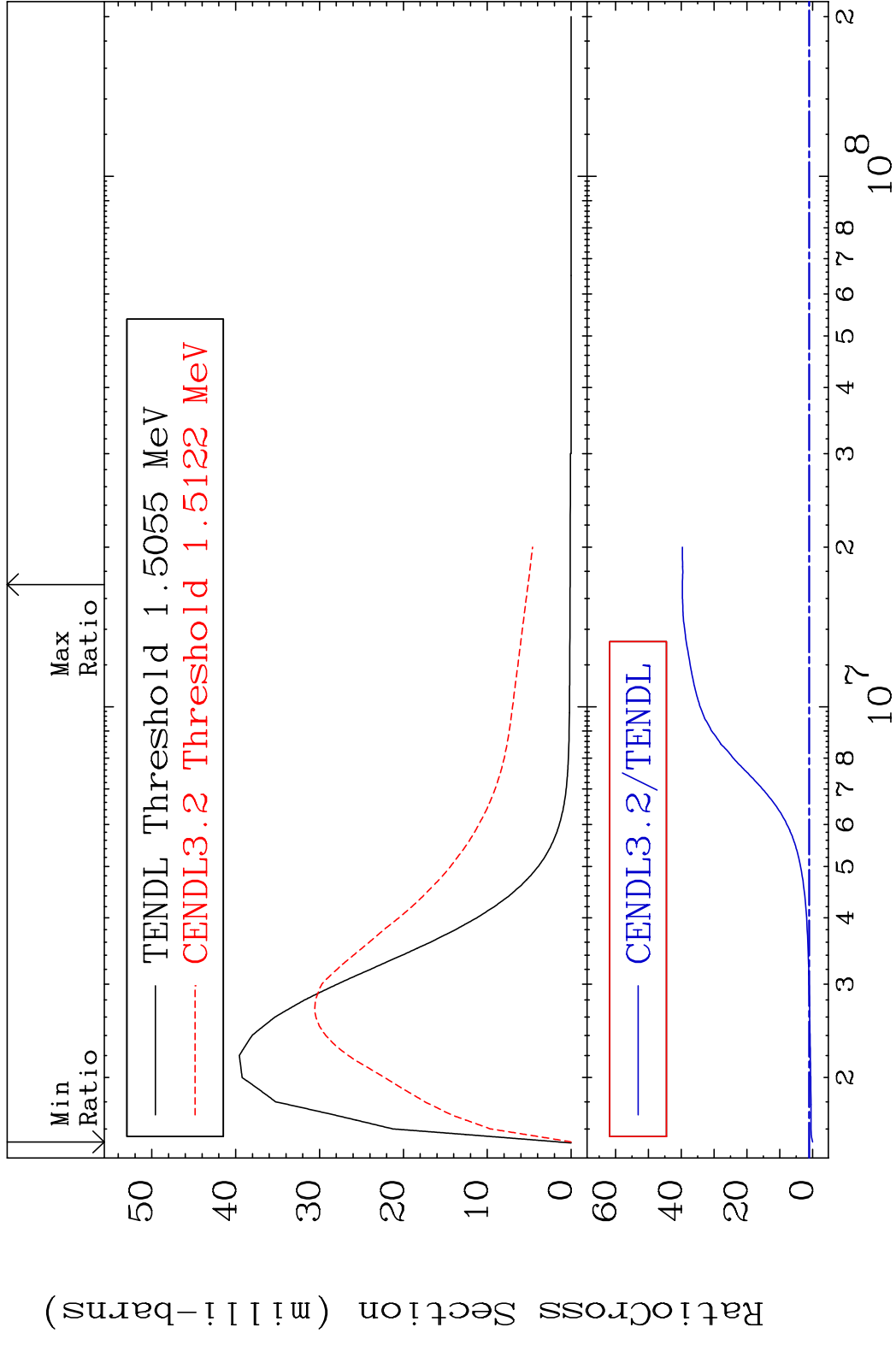
MAT 5337 MT= 68 (n, n') Level 53-I -131
 Cross Section -100.0 To 342.0 %



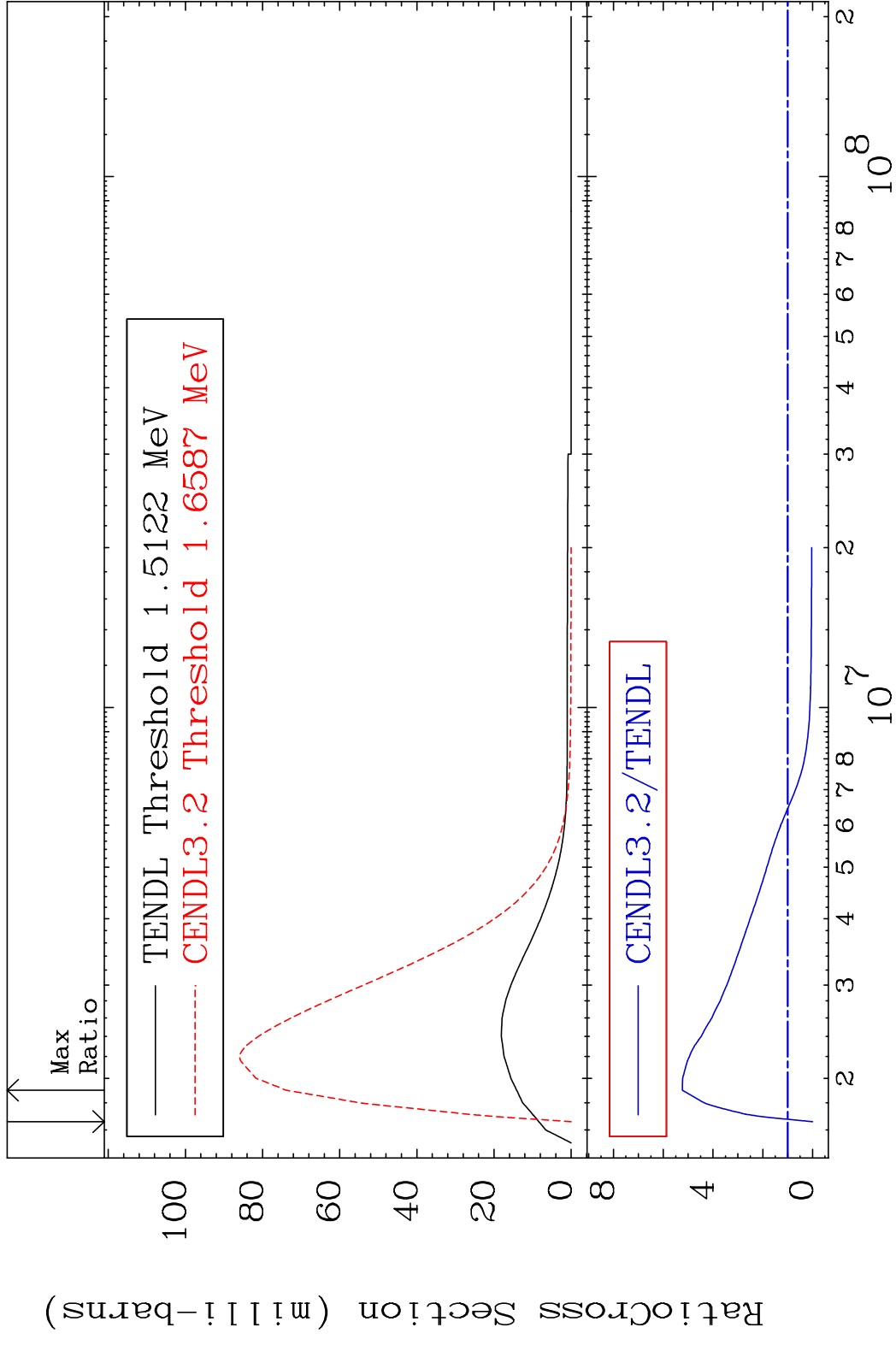
MAT 5337 MT= 69 (n,n') Level 53-I -131
 Cross Section -92.60 To -50.91%



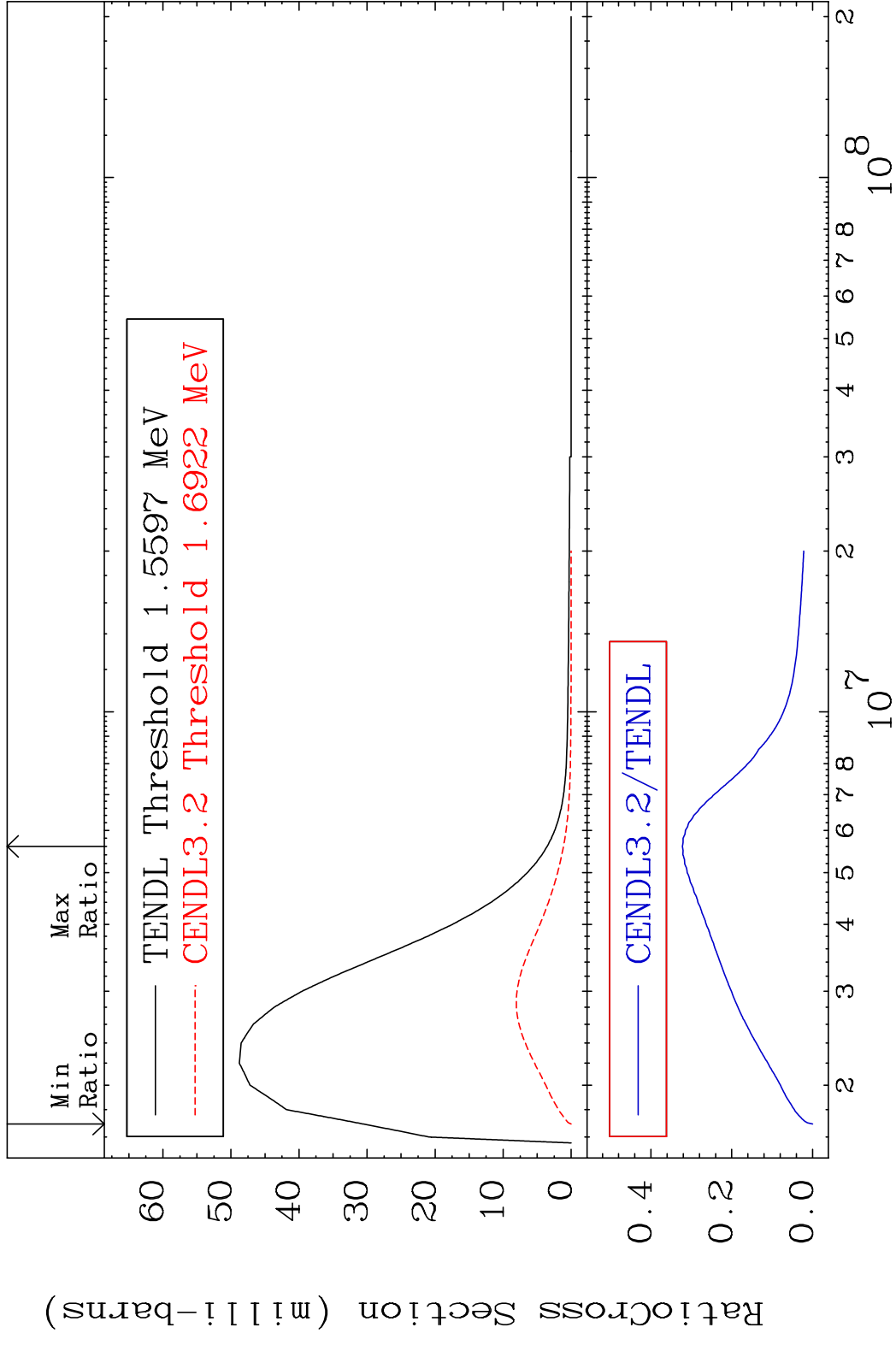
MAT 5337 MT= 70 (n, n') Level 53-I -131
 Cross Section -100.0 To 3867. %



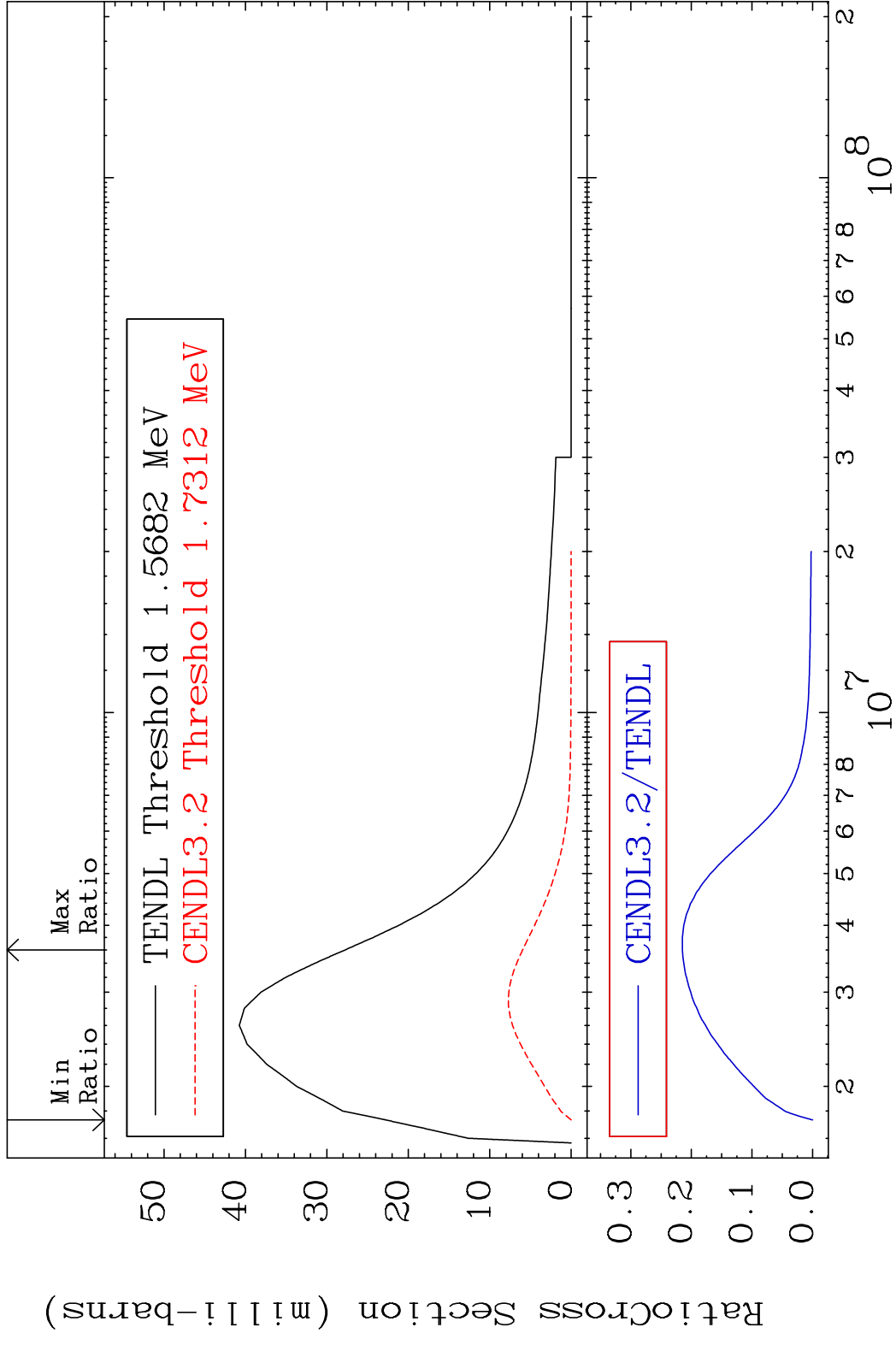
MAT 5337 MT= 71 (n,n') Level 53-I -131
 Cross Section -100.0 To 423.3 %



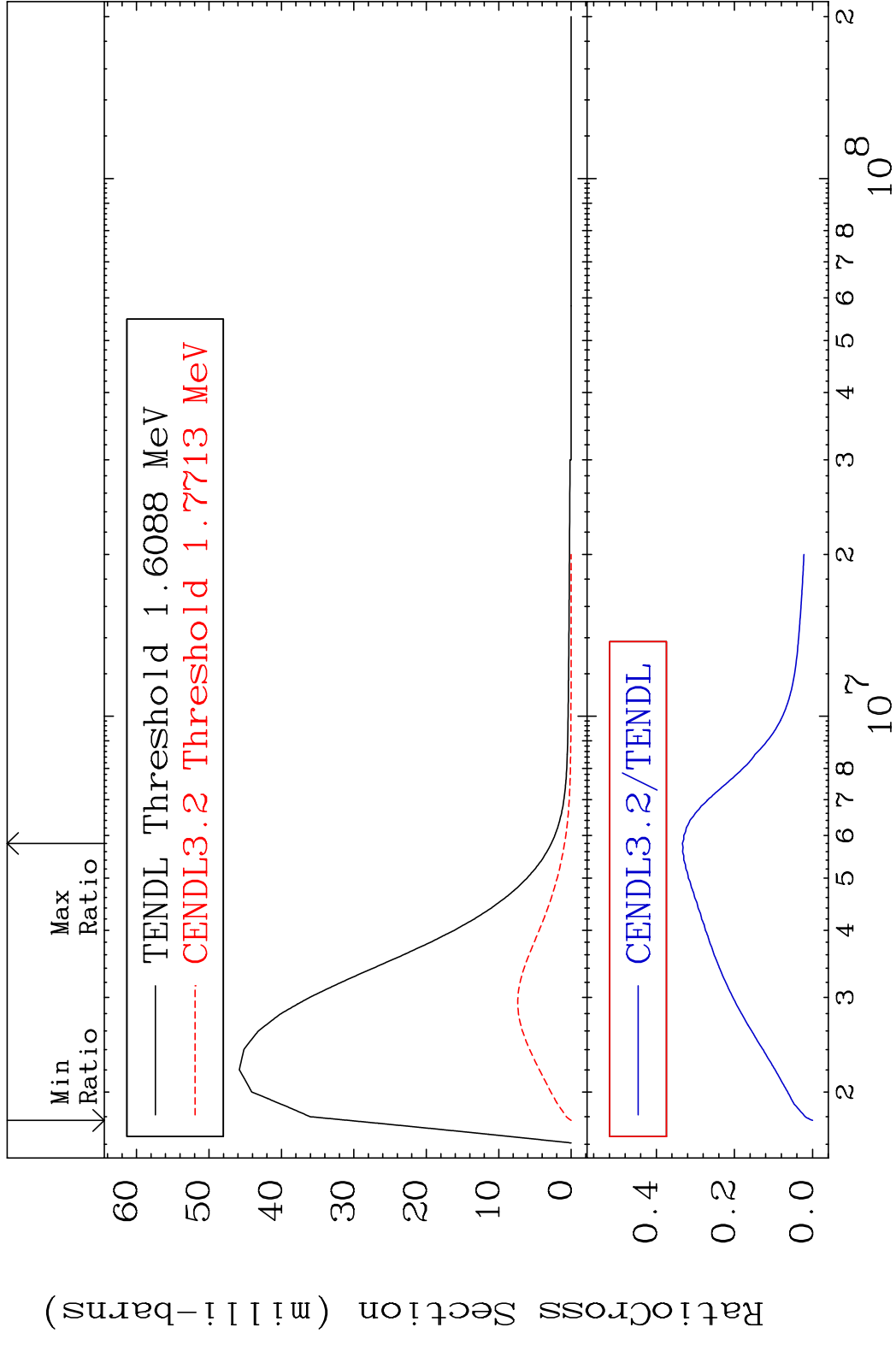
MAT 5337 MT= 72 (n,n') Level 53-I -131
 Cross Section -100.0 To -67.77%



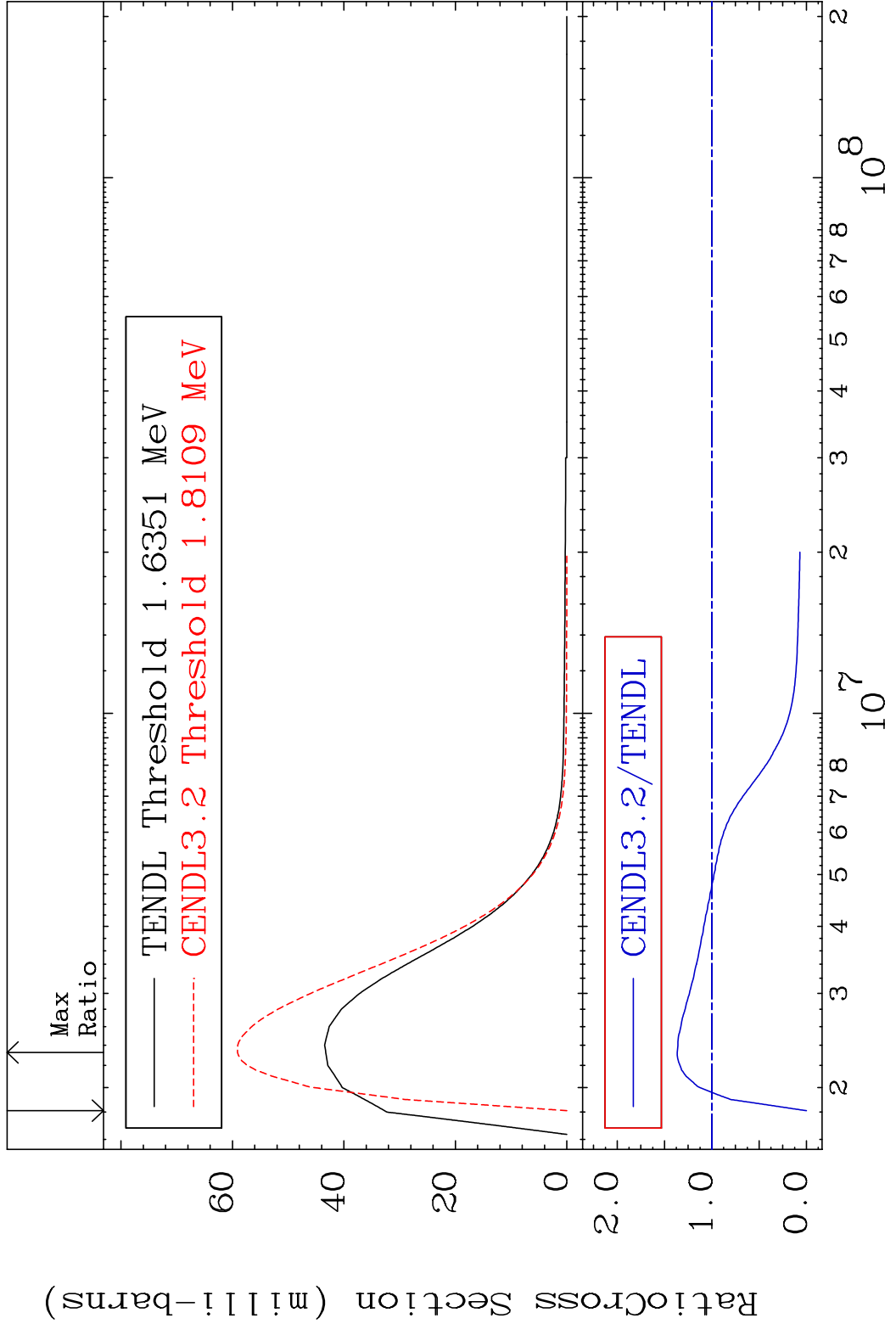
MAT 5337 MT= 73 (n,n') Level 53-I -131
 Cross Section -100.0 To -78.51%



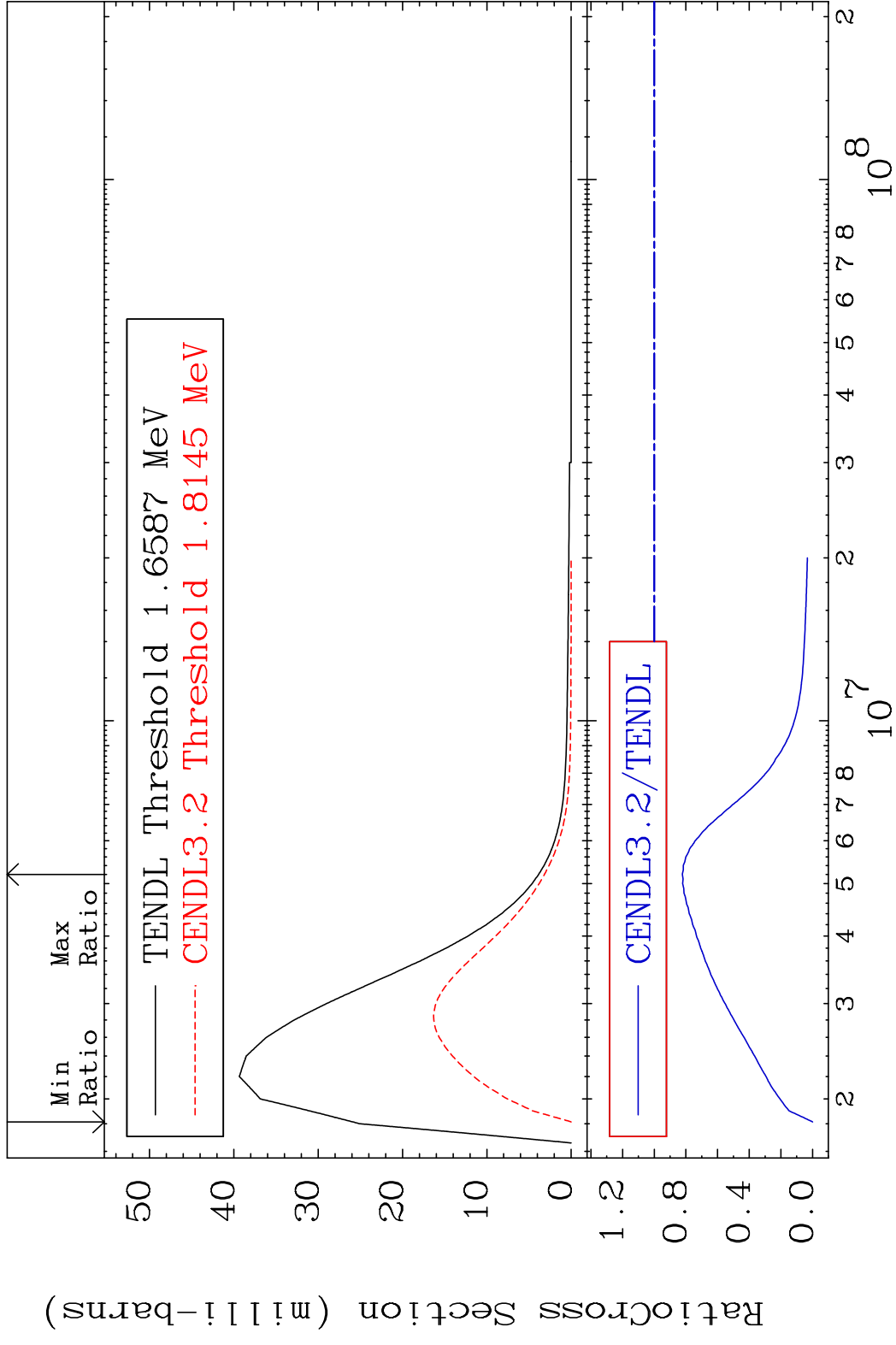
MAT 5337 MT= 74 (n,n') Level 53-I -131
 Cross Section -100.0 To -66.67%



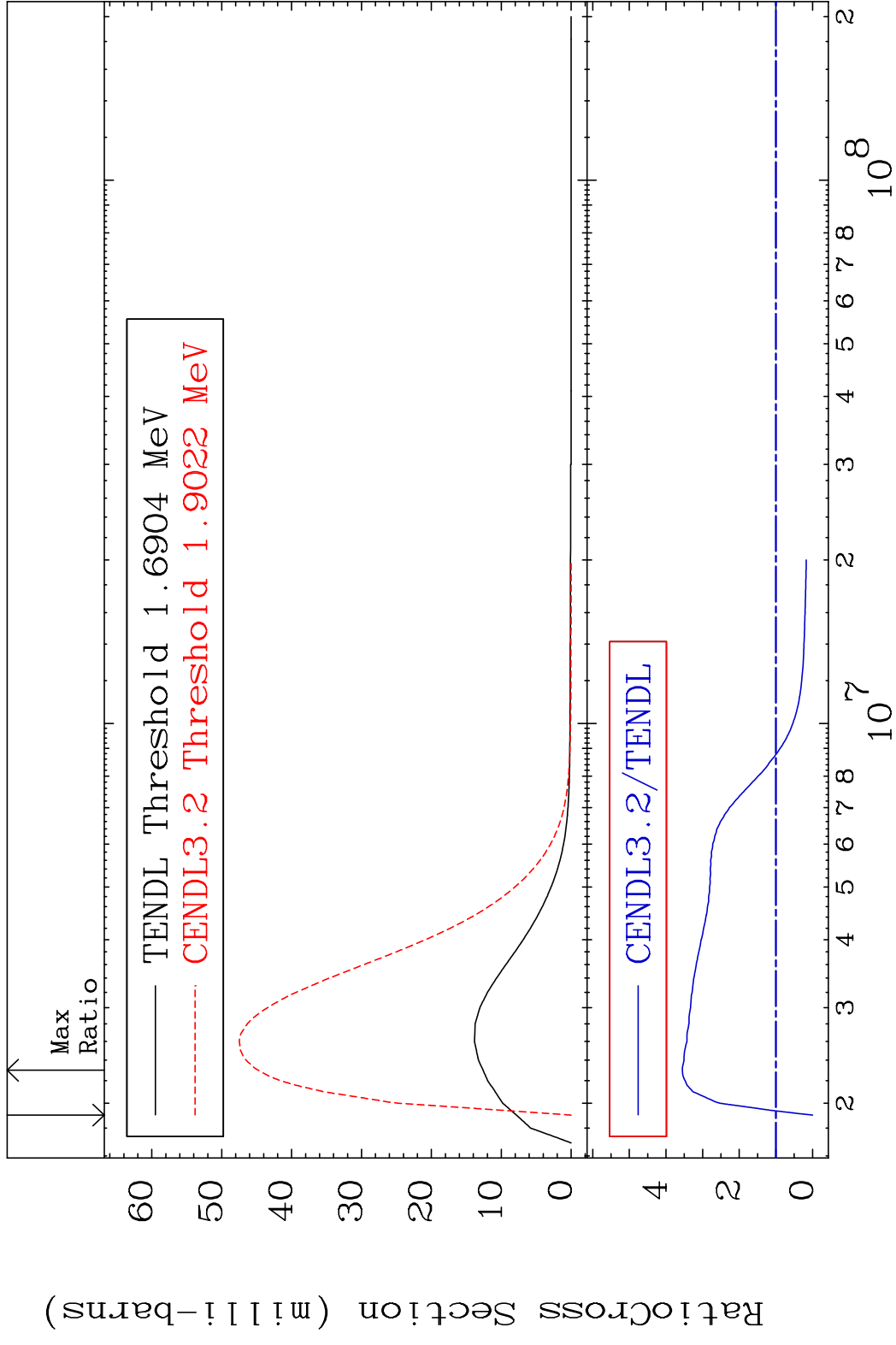
MAT 5337 MT= 75 (n,n') Level 53-I -131
 Cross Section -100.0 To 36.62 %



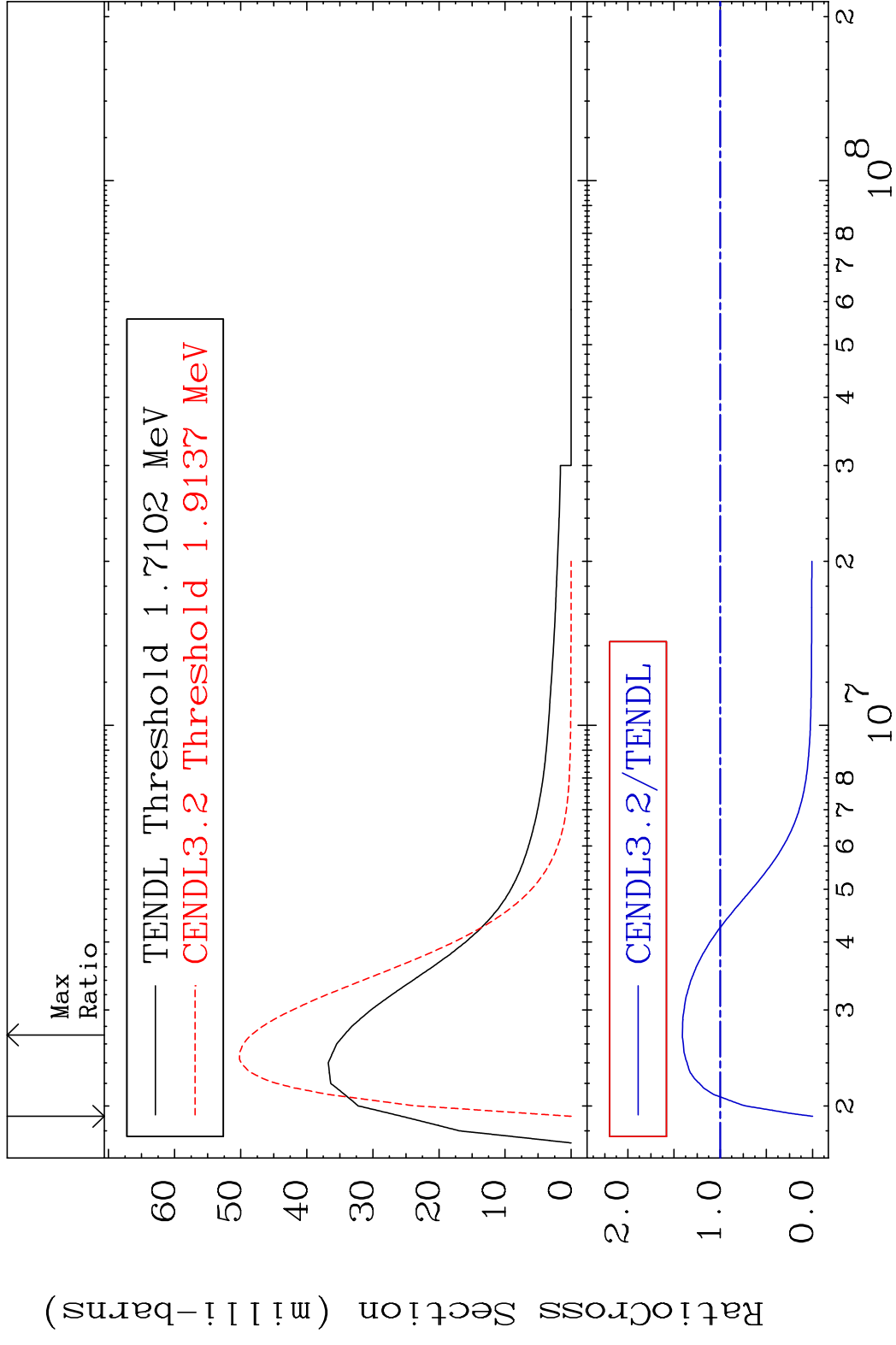
MAT 5337 MT= 76 (n,n') Level 53-I -131
 Cross Section -100.0 To -17.75%



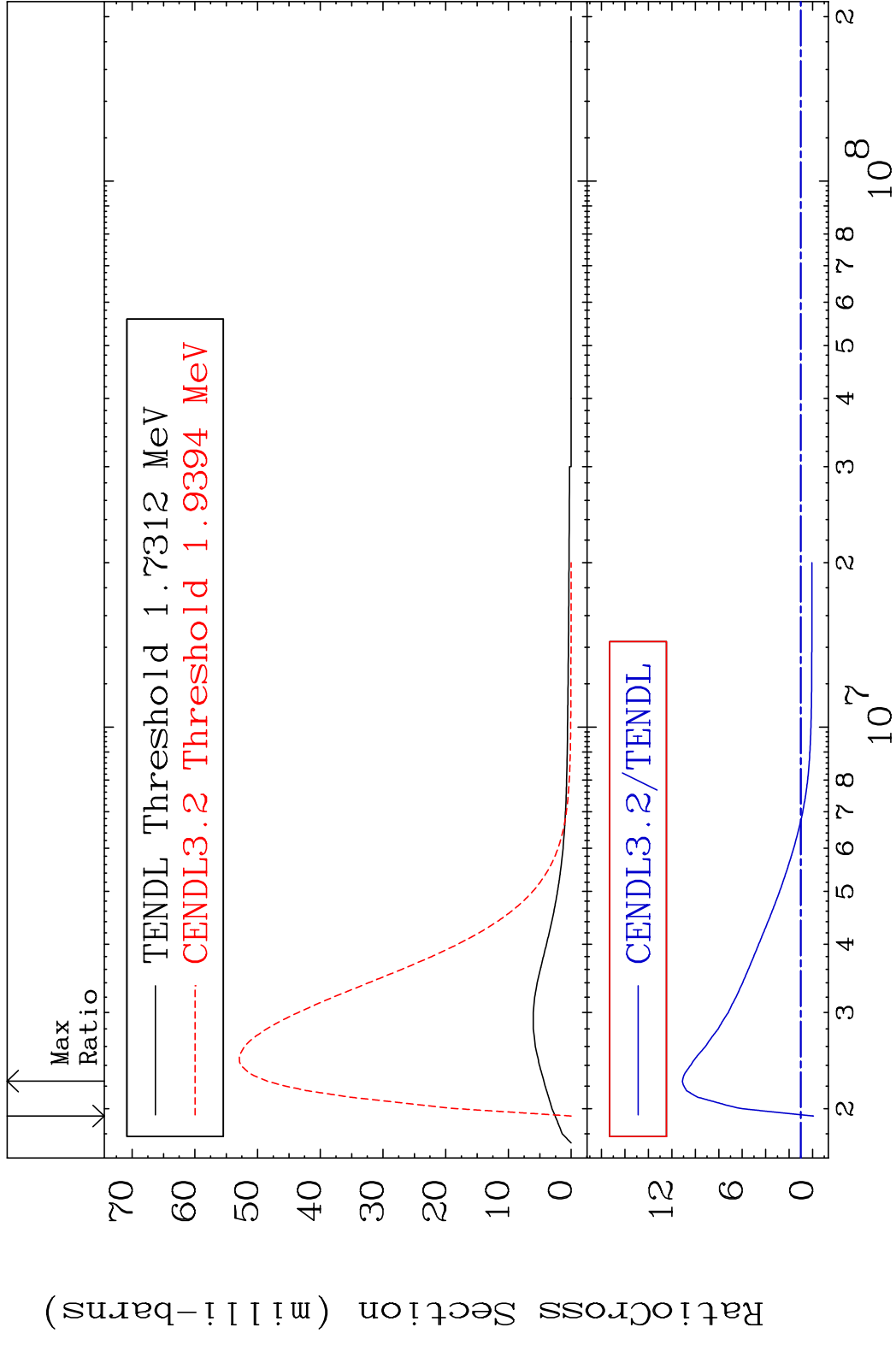
MAT 5337 MT= 77 (n,n') Level 53-I -131
 Cross Section -100.0 To 255.3 %



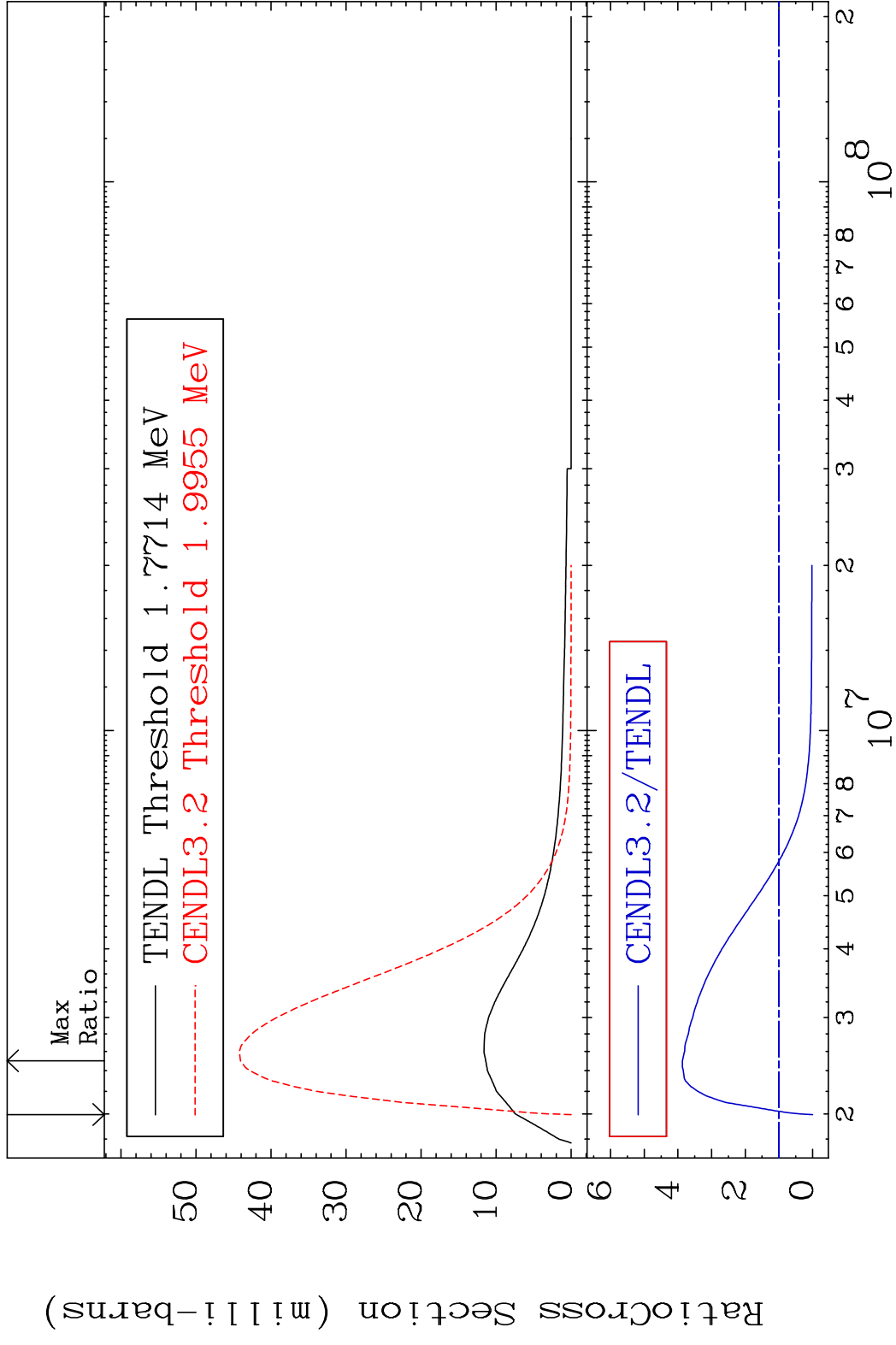
MAT 5337 MT= 78 (n,n') Level 53-I -131
 Cross Section -100.0 To 40.99 %



MAT 5337 MT= 79 (n,n') Level 53-I -131
 Cross Section -100.0 To 1011. %



MAT 5337 MT= 80 (n,n') Level 53-I -131
 Cross Section -100.0 To 286.8 %

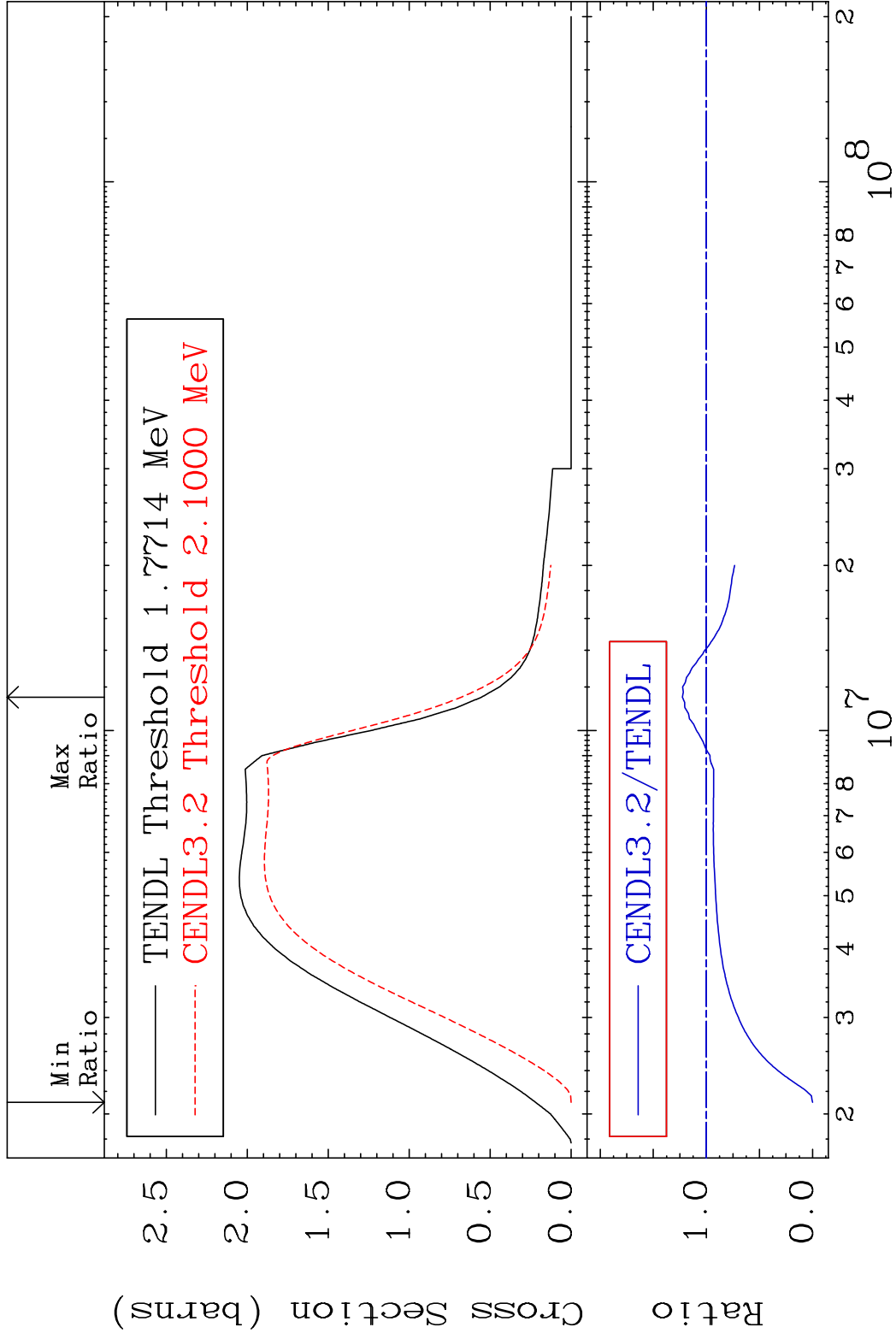


MAT 5337

(n,n') Continuum

53-I -131

Cross Section -100.0 To 22.63 %



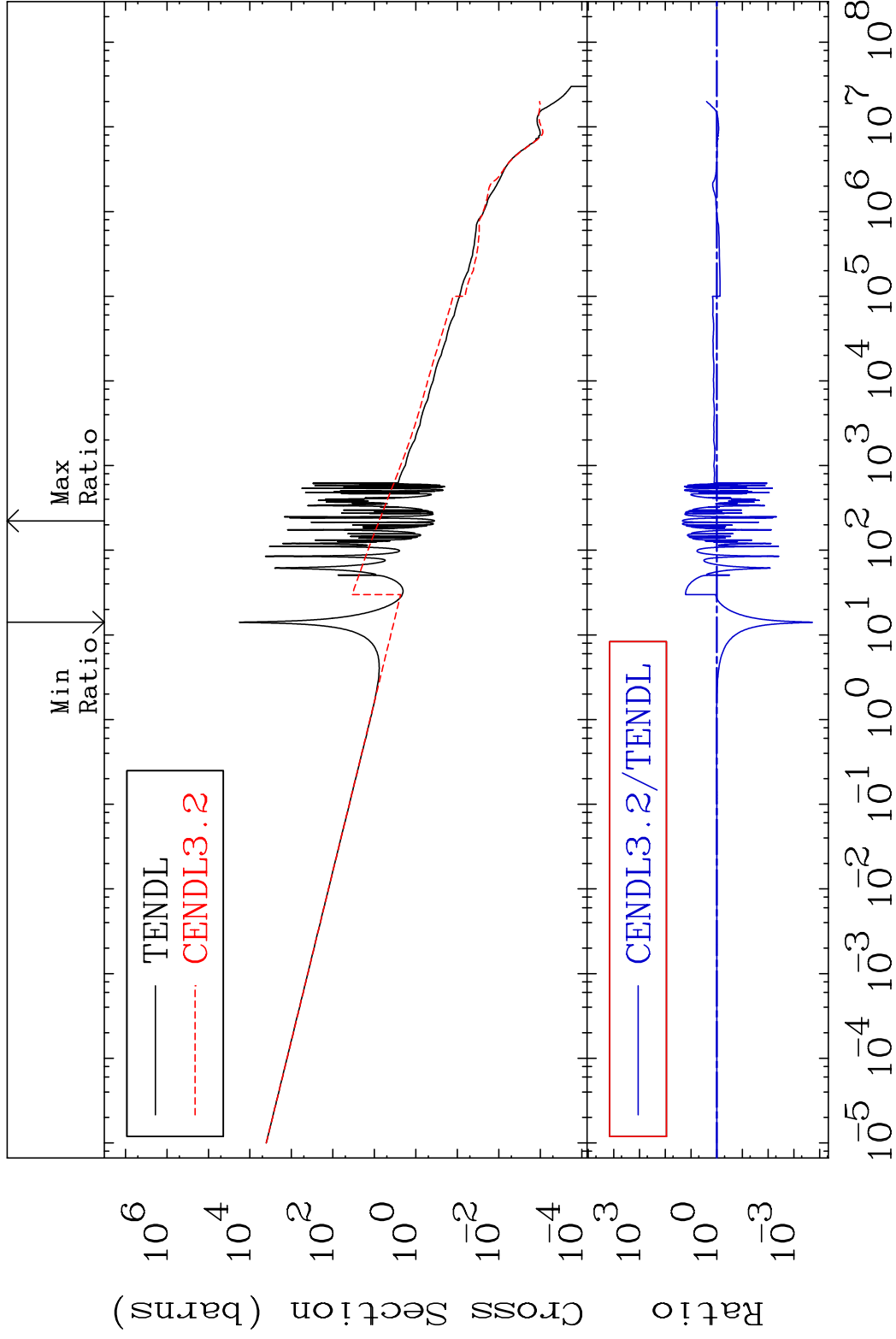
38

Incident Energy (eV)

53-I -131

MAT 5337

(n, γ)
Cross Section -99.98 To 2072. %
53-I -131



39

Incident Energy (eV)

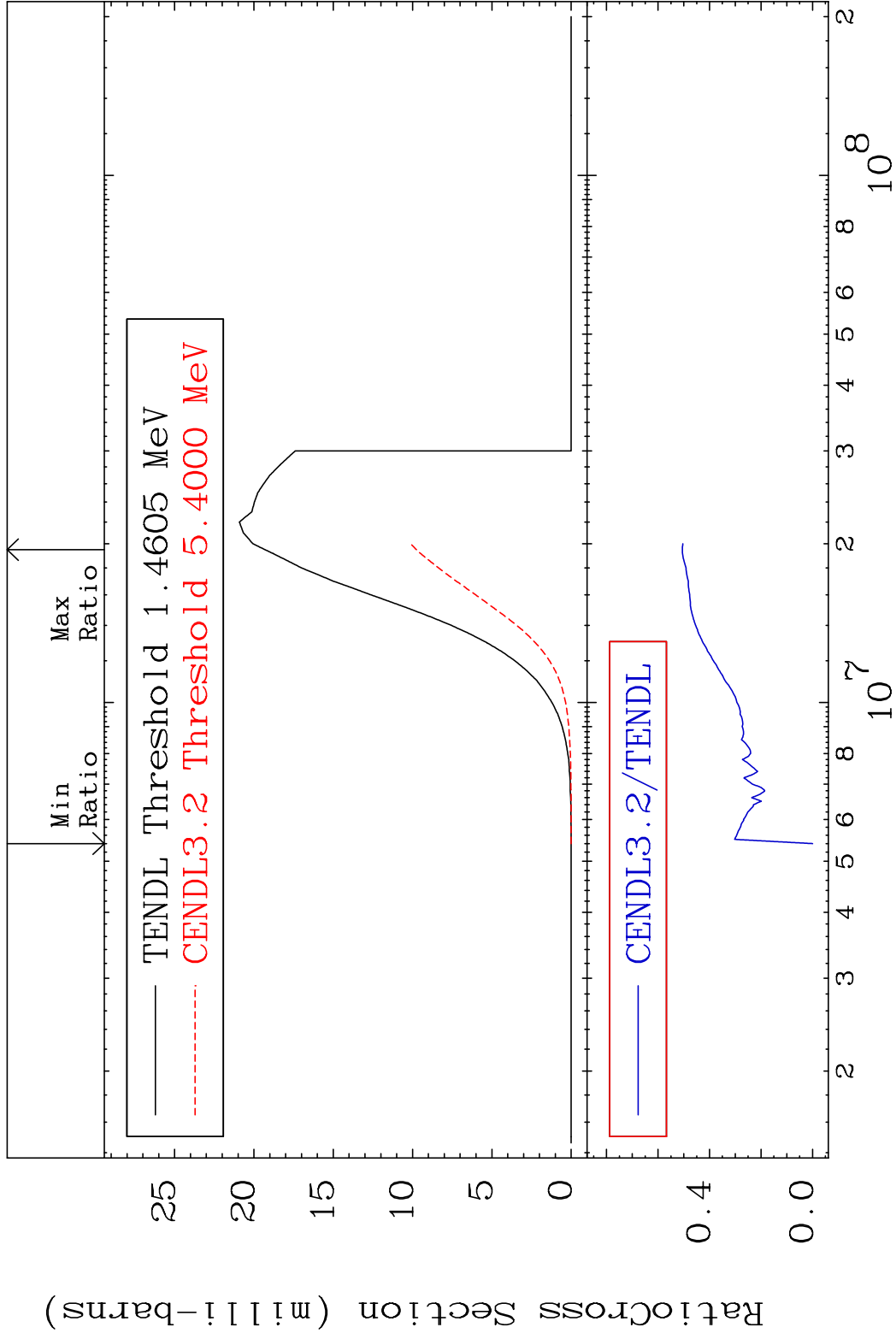
53-I -131

MAT 5337

(n, p)

53-I -131

Cross Section -100.0 To -49.45%



40

Incident Energy (eV)

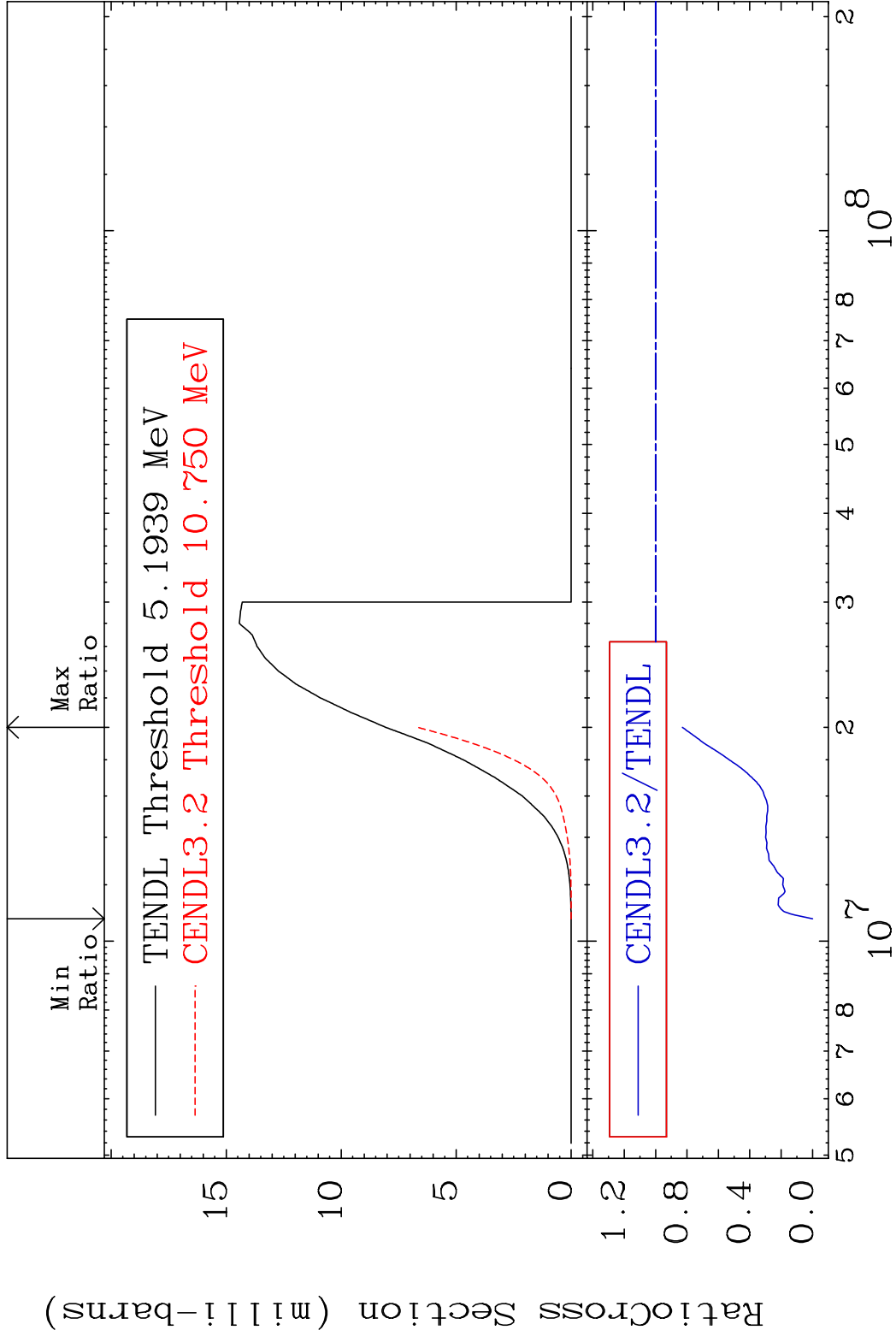
53-I -131

MAT 5337

(n,d)

53-I -131

Cross Section -100.0 To -17.05%



41

Incident Energy (eV)

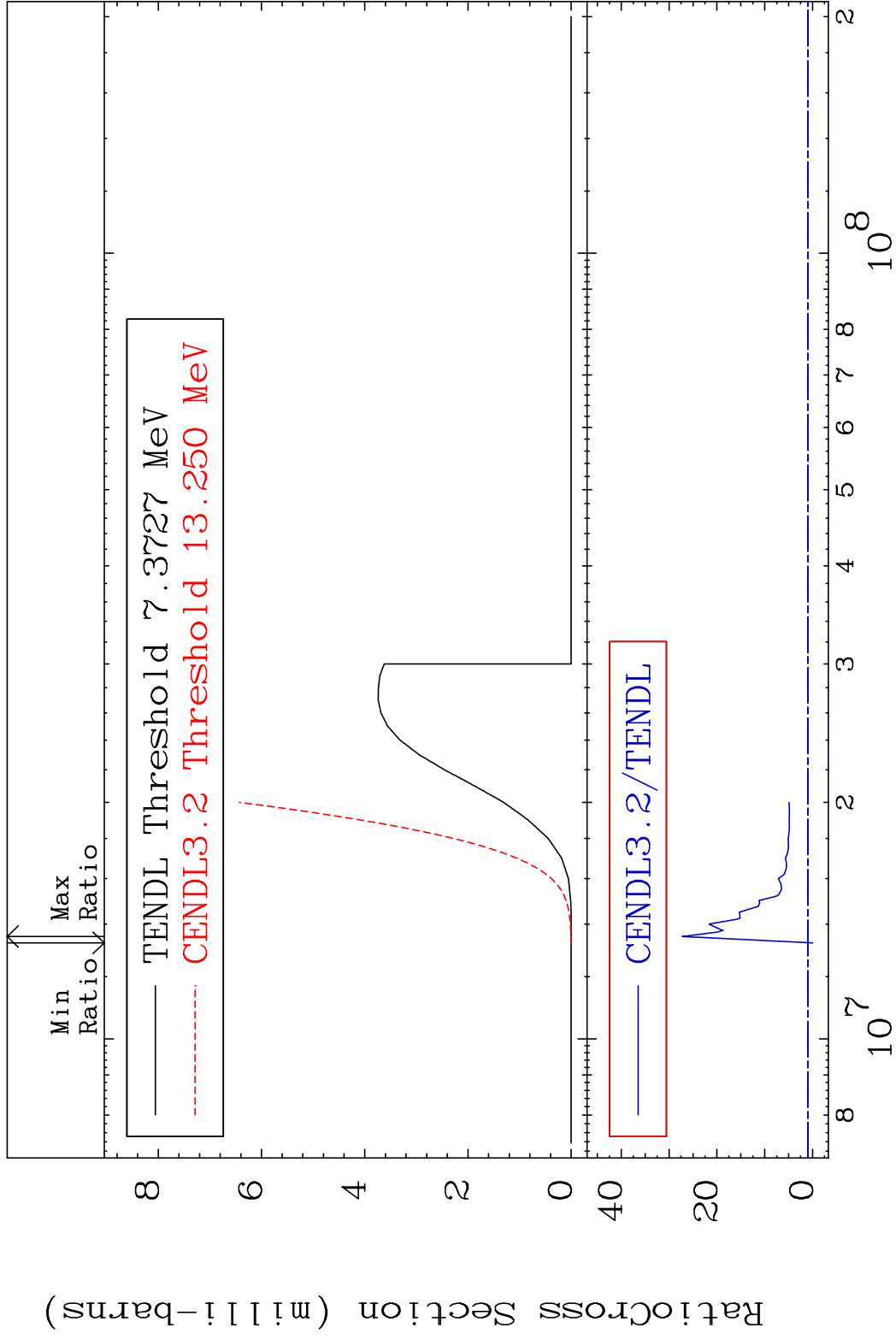
53-I -131

MAT 5337

(n, t)

53-I -131

Cross Section -100.0 To 2623. %



42

Incident Energy (eV)

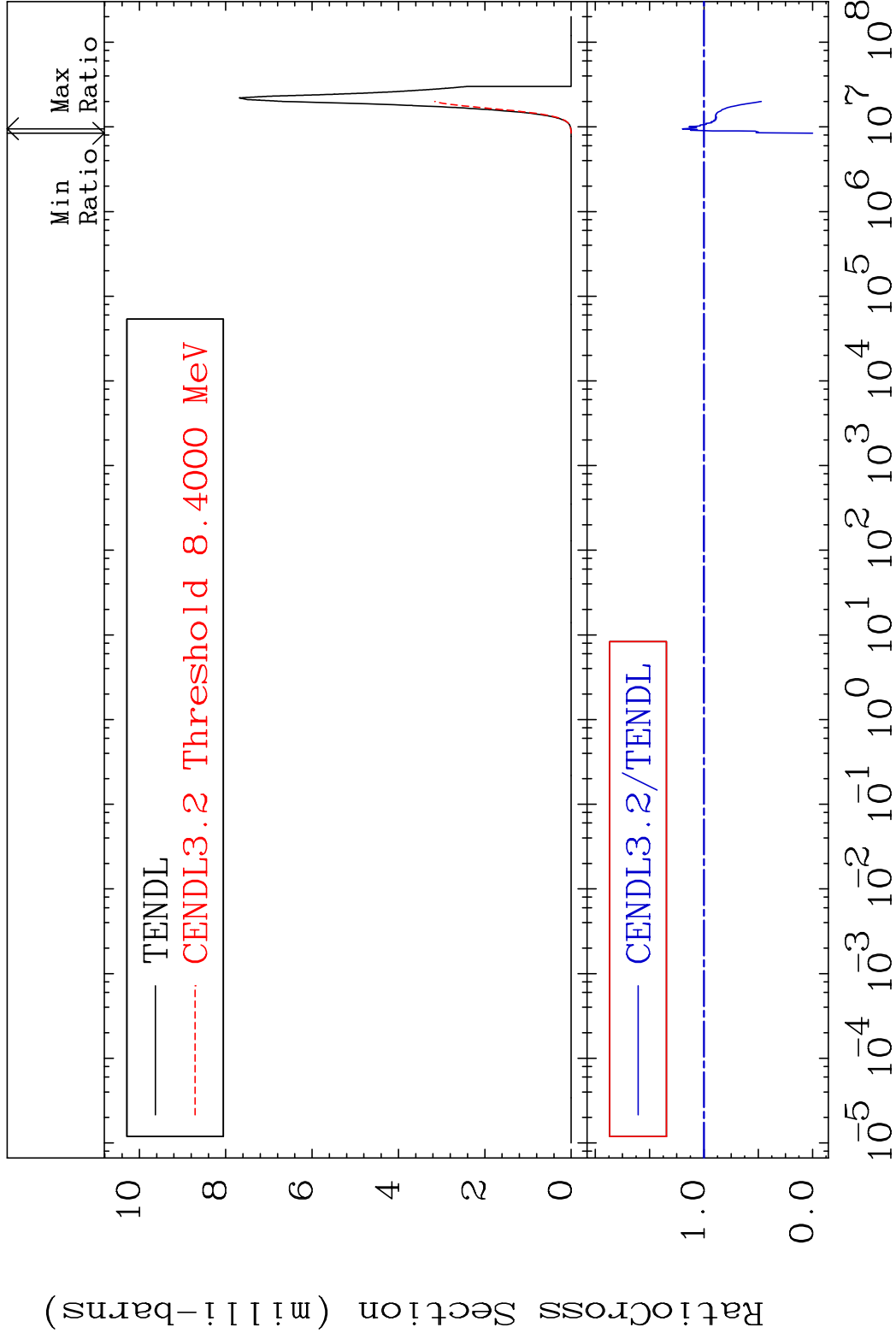
53-I -131

MAT 5337

(n, α)

53-I -131

Cross Section -100.0 To 19.88 %



43

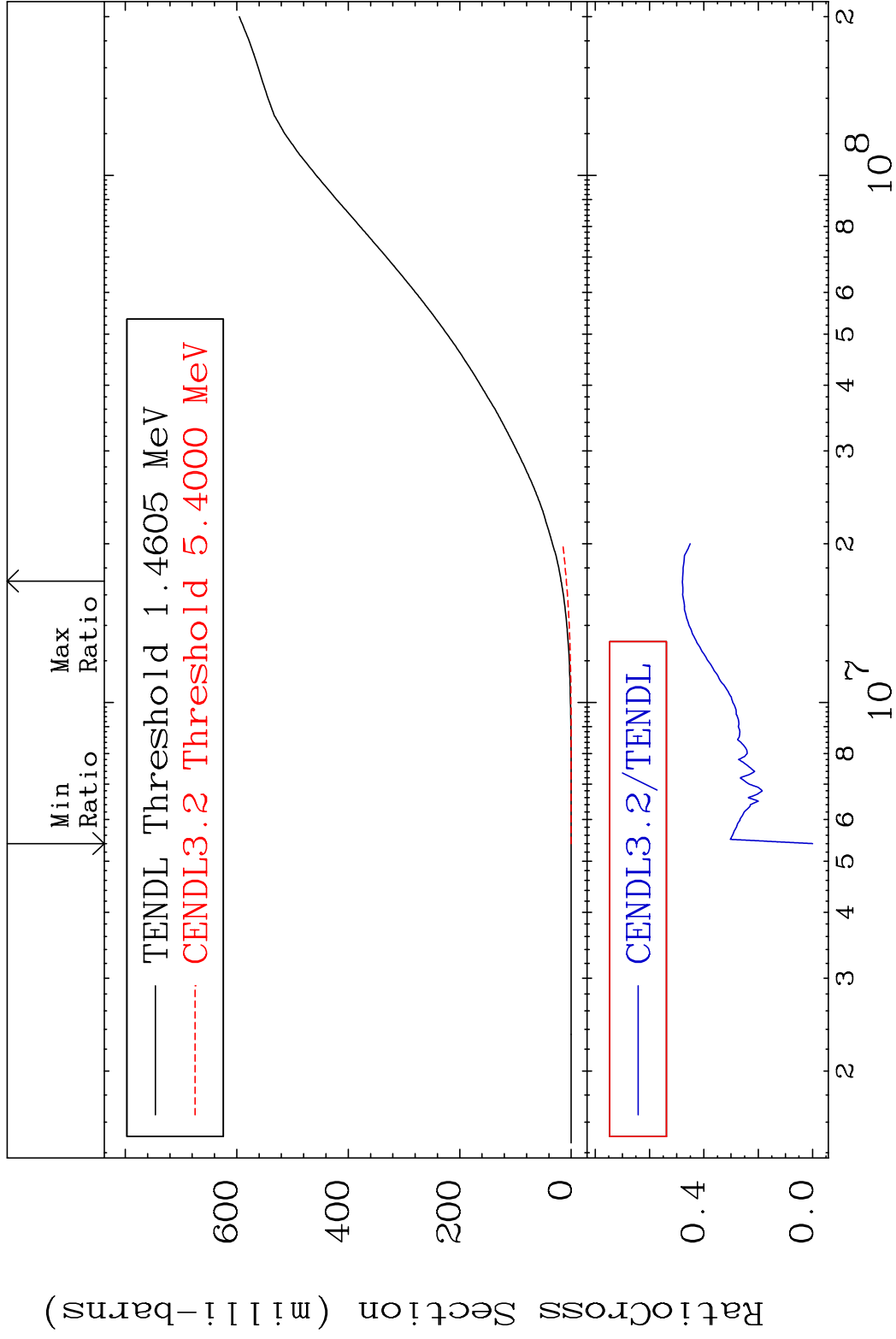
Incident Energy (eV)

53-I -131

MAT 5337

Hydrogen Production 53-I -131

Cross Section -100.0 To -52.07%



44

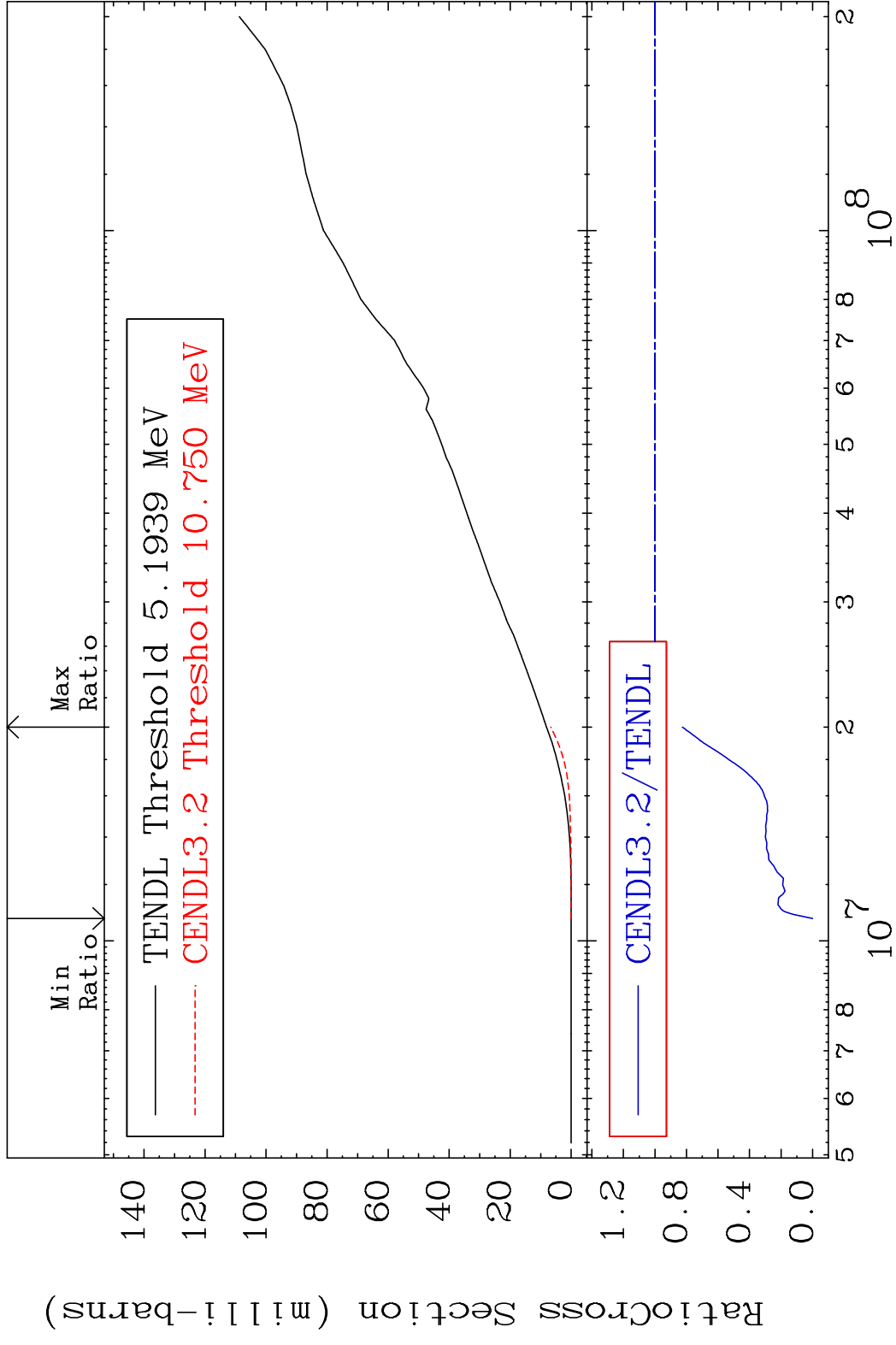
Incident Energy (eV)

53-I -131

MAT 5337

Deuterium Production 53-I -131

Cross Section -100.0 To -17.39%



45

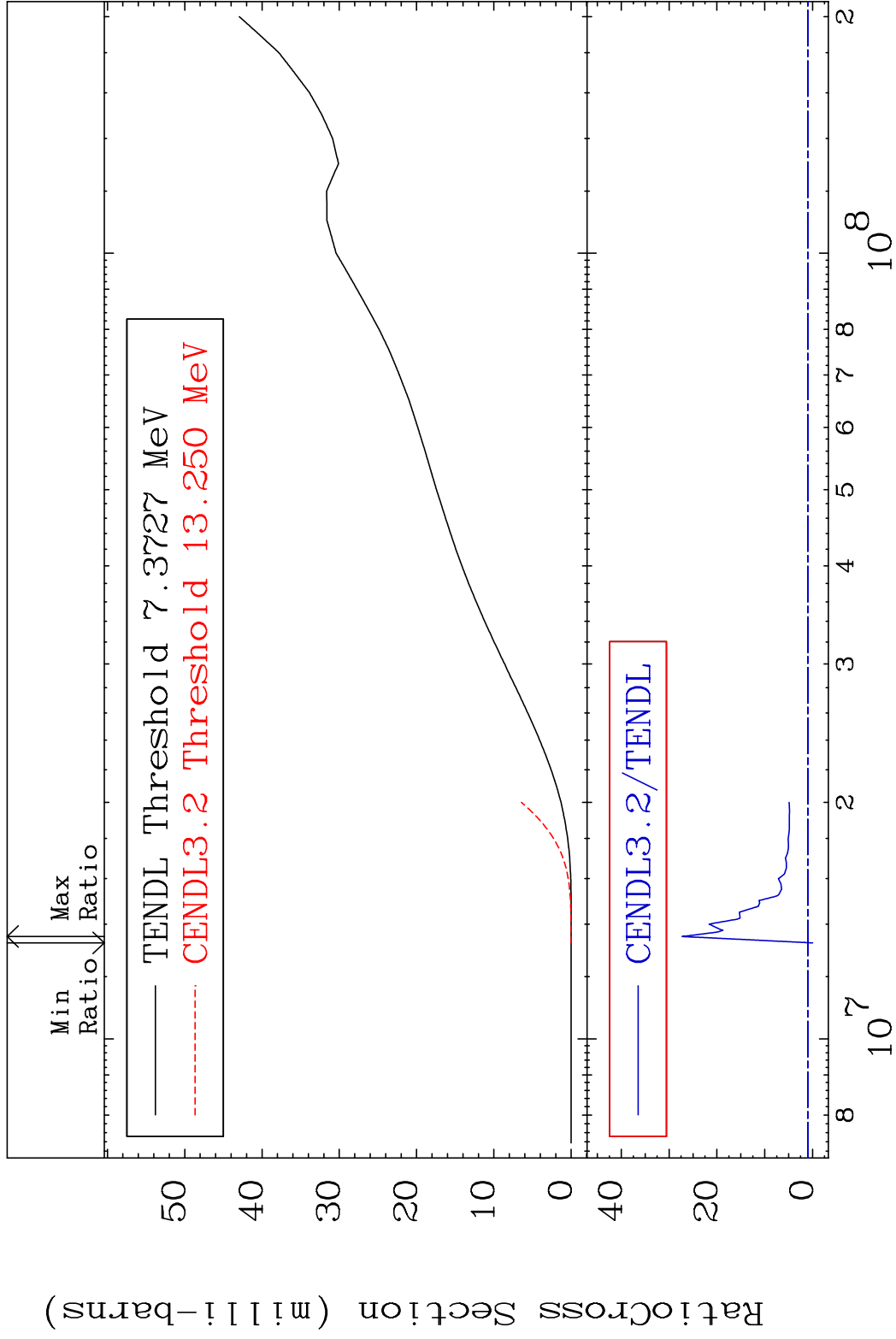
Incident Energy (eV)

53-I -131

MAT 5337

Tritium Production 53-I -131

Cross Section -100.0 To 2623. %



46

Incident Energy (eV)

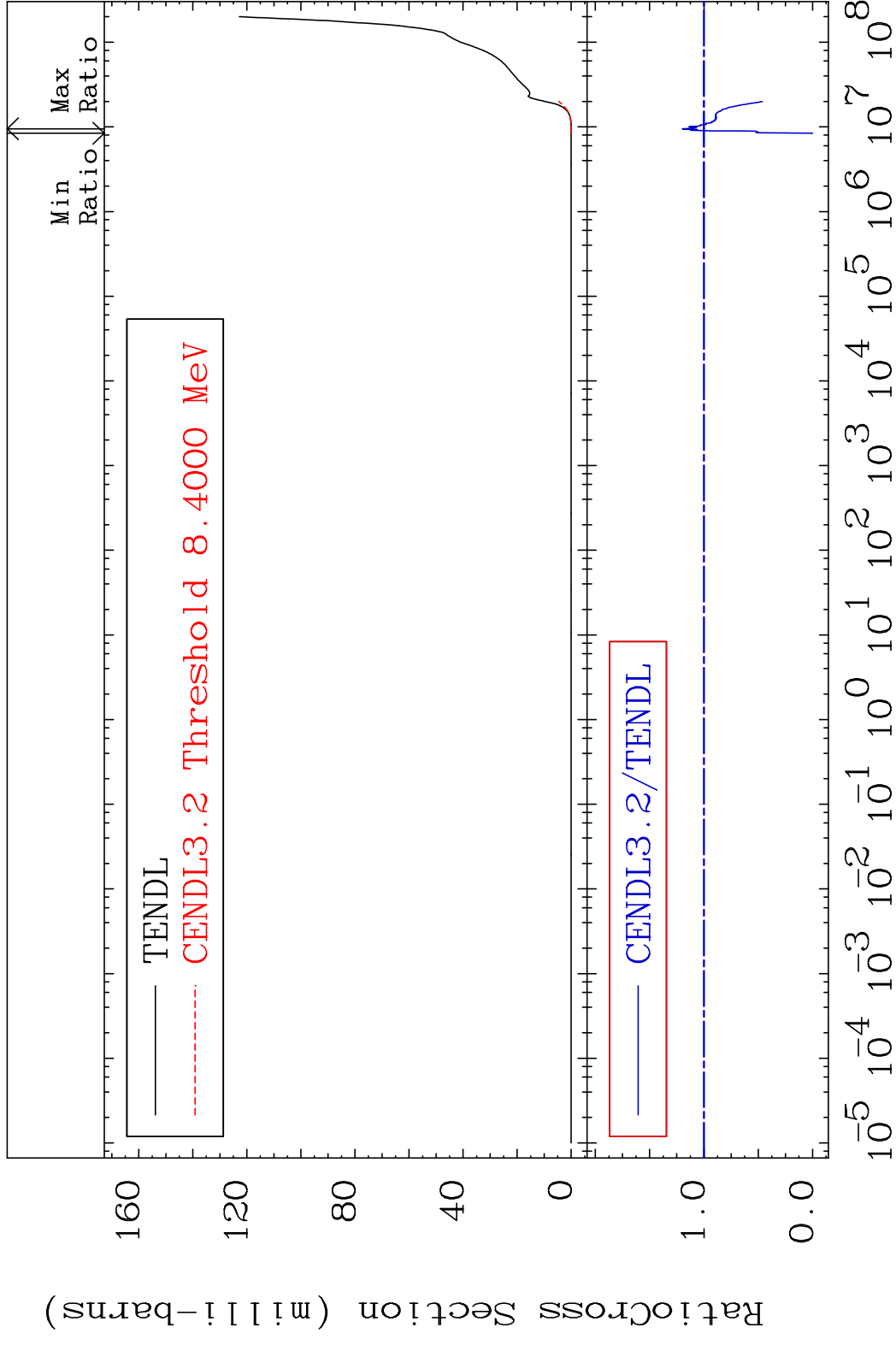
53-I -131

MAT 5337

He-4 Production

53-I -131

Cross Section -100.0 To 19.88 %

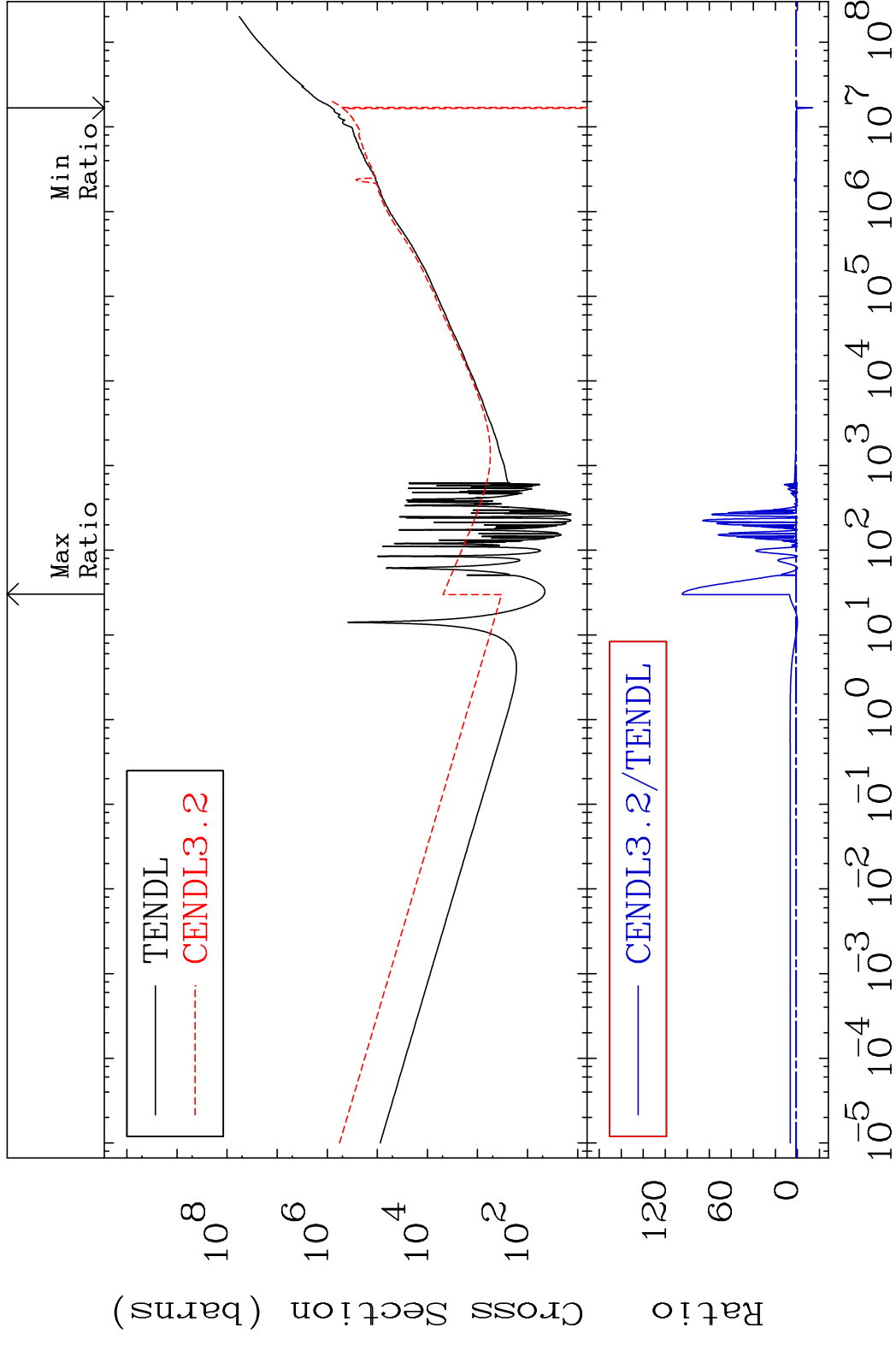


47

Incident Energy (eV)

53-I -131

MAT 5337 Kerma total (eV-barns) 53-I -131
 Cross Section -1481. To 9999. %

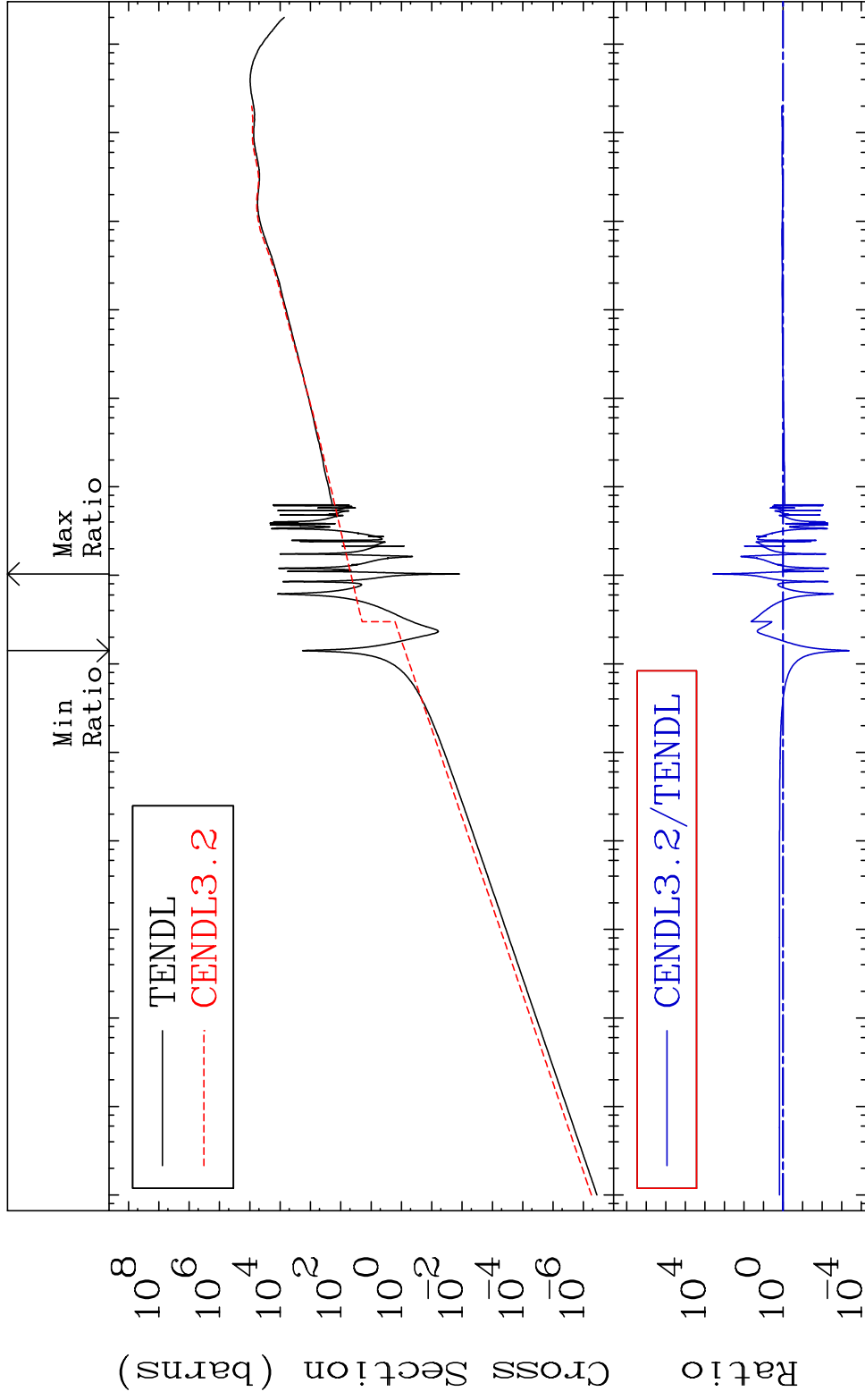


MAT 5337

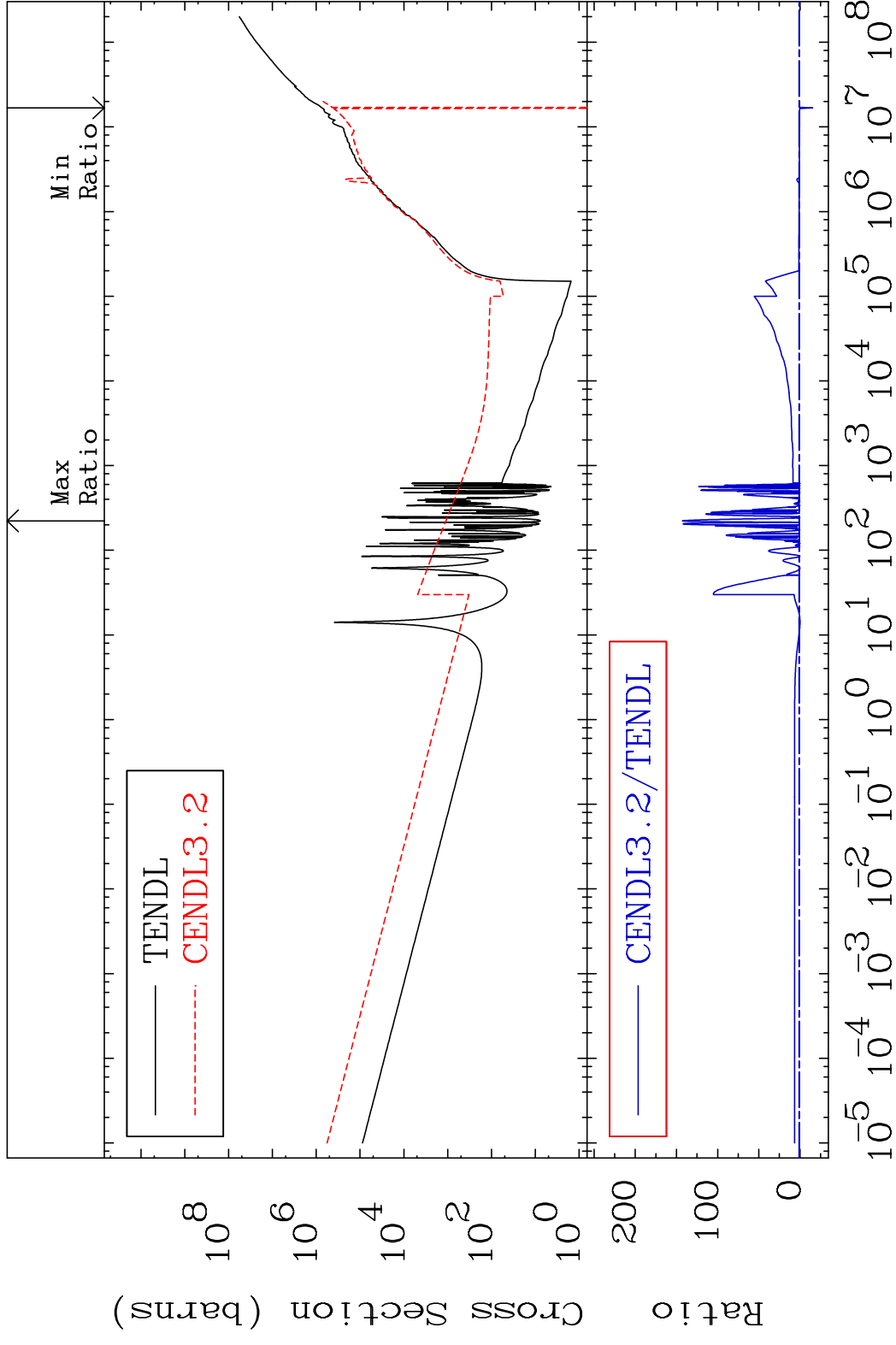
Kerma elastic
Cross Section

53-I -131

-99.96 To 9999. %

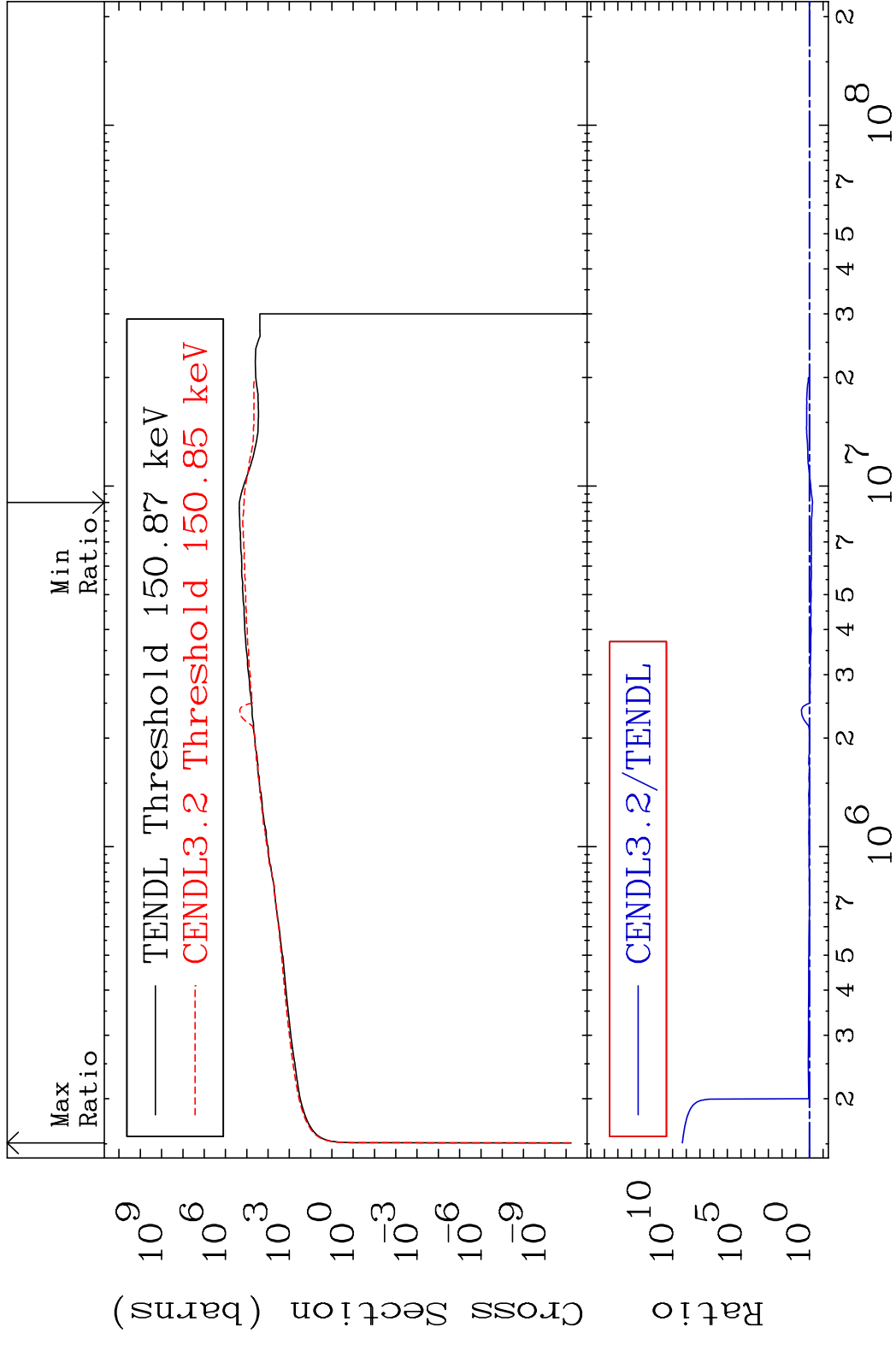


MAT 5337 Kerma non-elastic (all but mt2) 53-I -131
 Cross Section -1624. To 9999. %

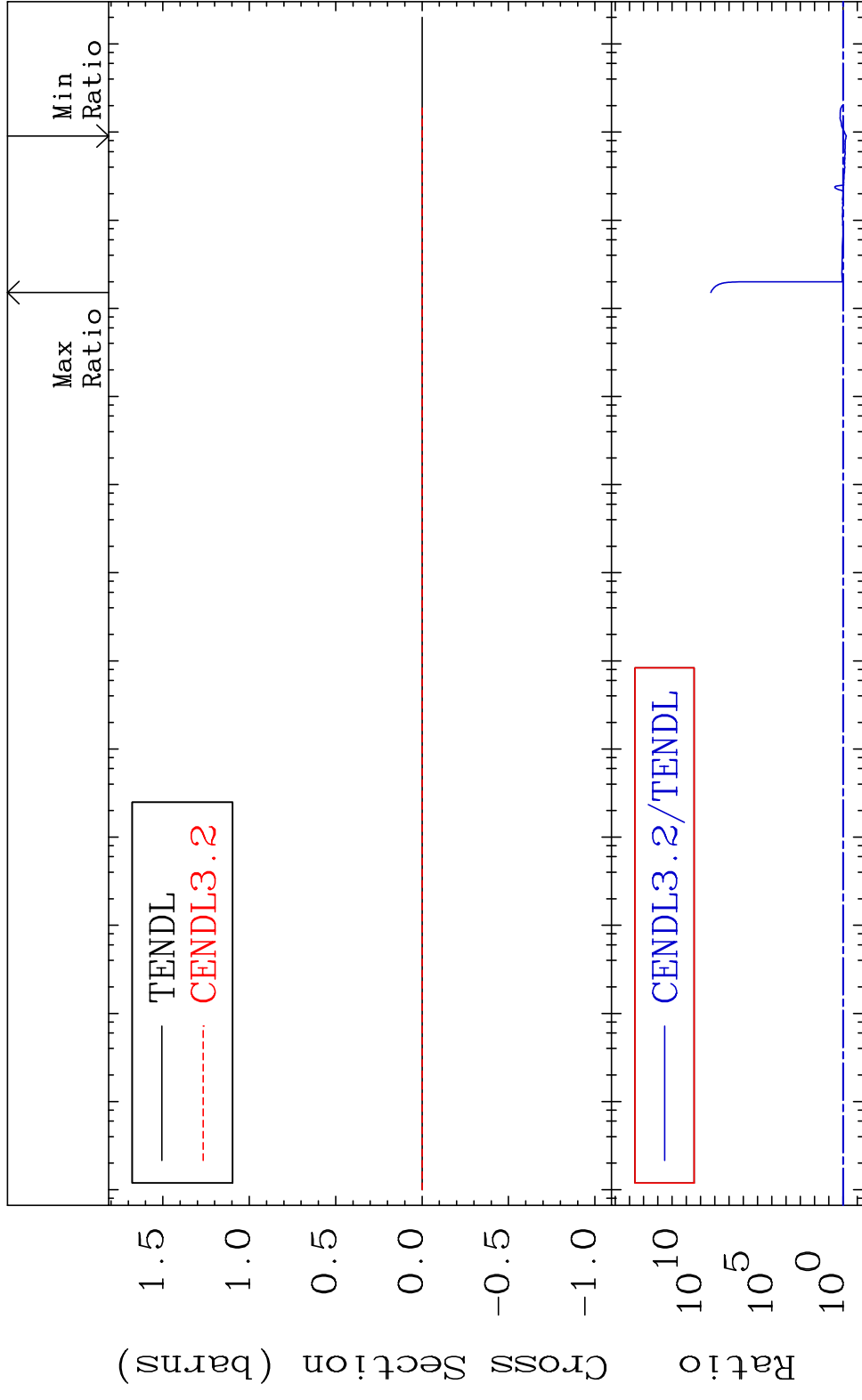


50 Incident Energy (eV) 53-I -131

MAT 5337 Kerma inelastic (mt51-91) 53-I -131
 Cross Section -40.47 To 9999. %

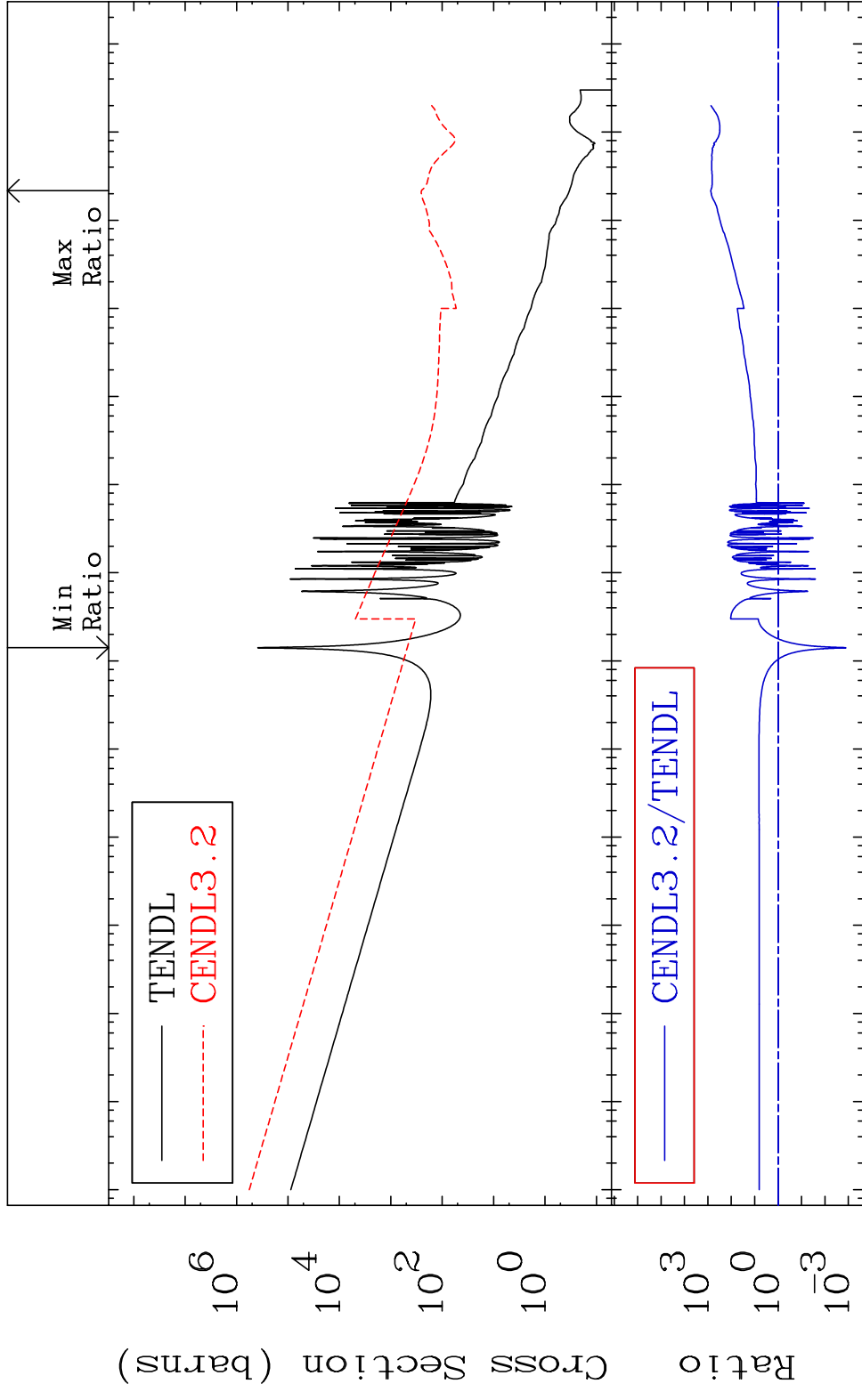


MAT 5337 Kerma fission (mt18 or mt19-20-21-38)53-I -131
 Cross Section -40.47 To 9999. %



MAT 5337

Kerma capture (mt102) 53-I -131
Cross Section -99.88 To 9999. %

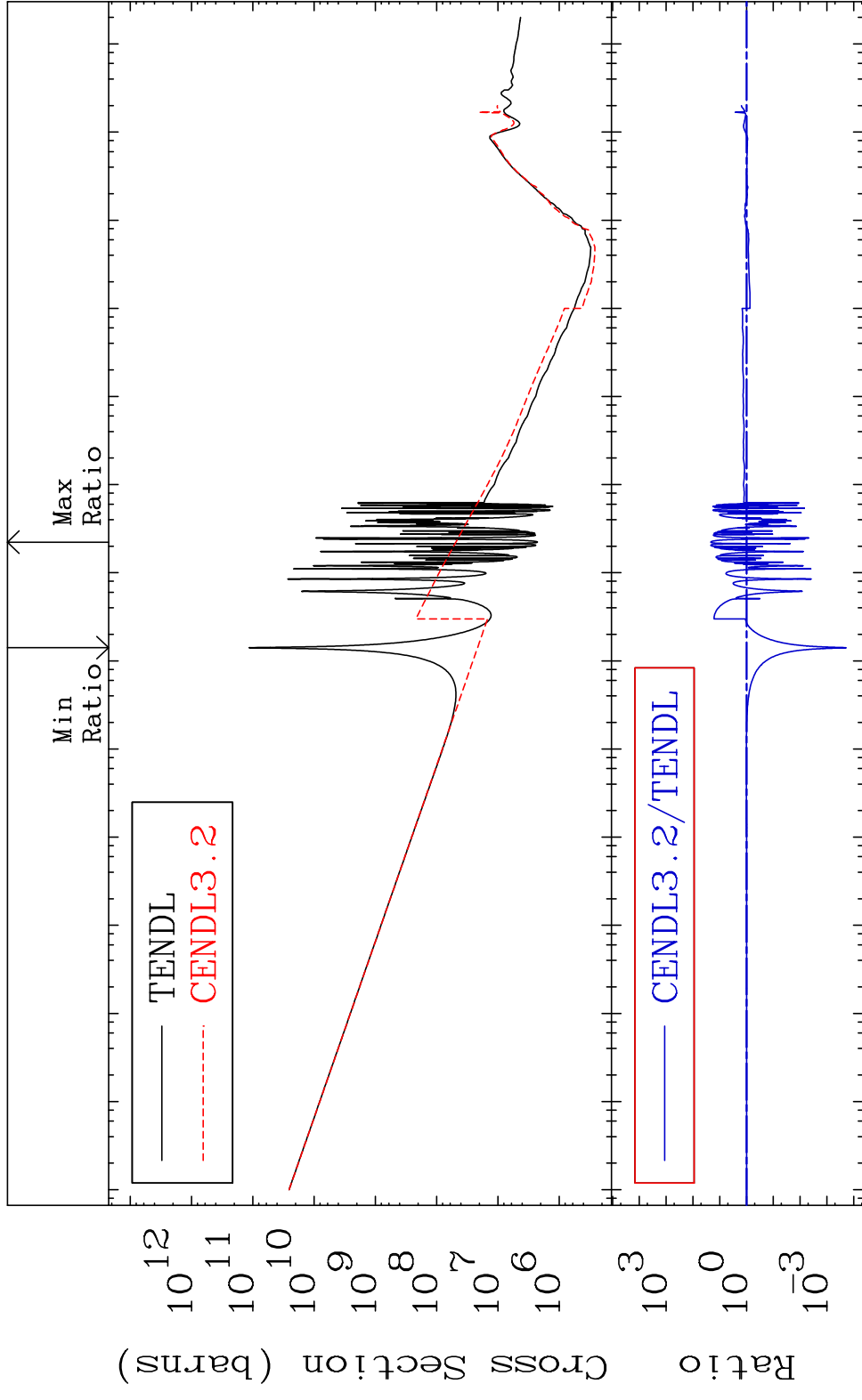


53

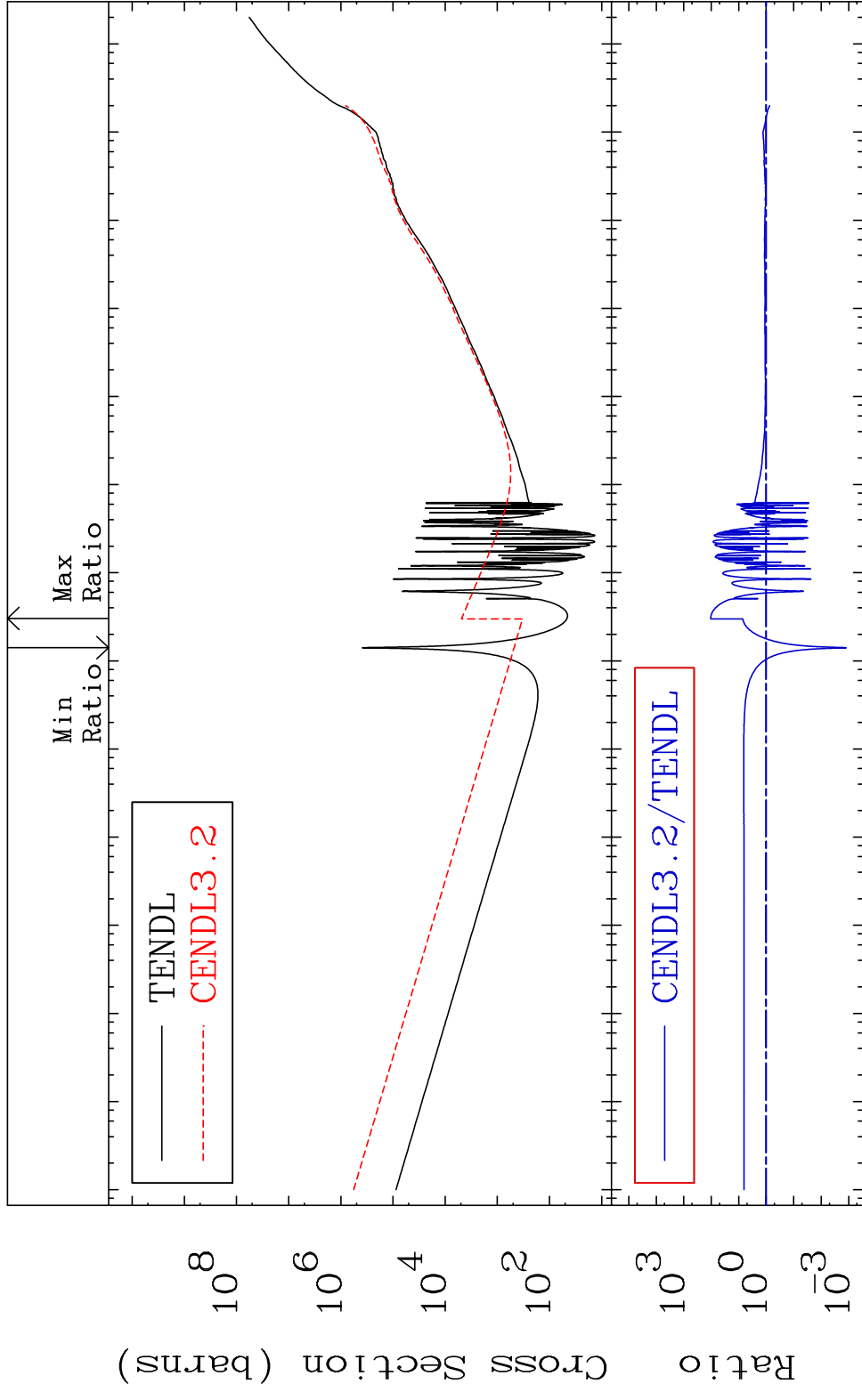
Incident Energy (eV)

53-I -131

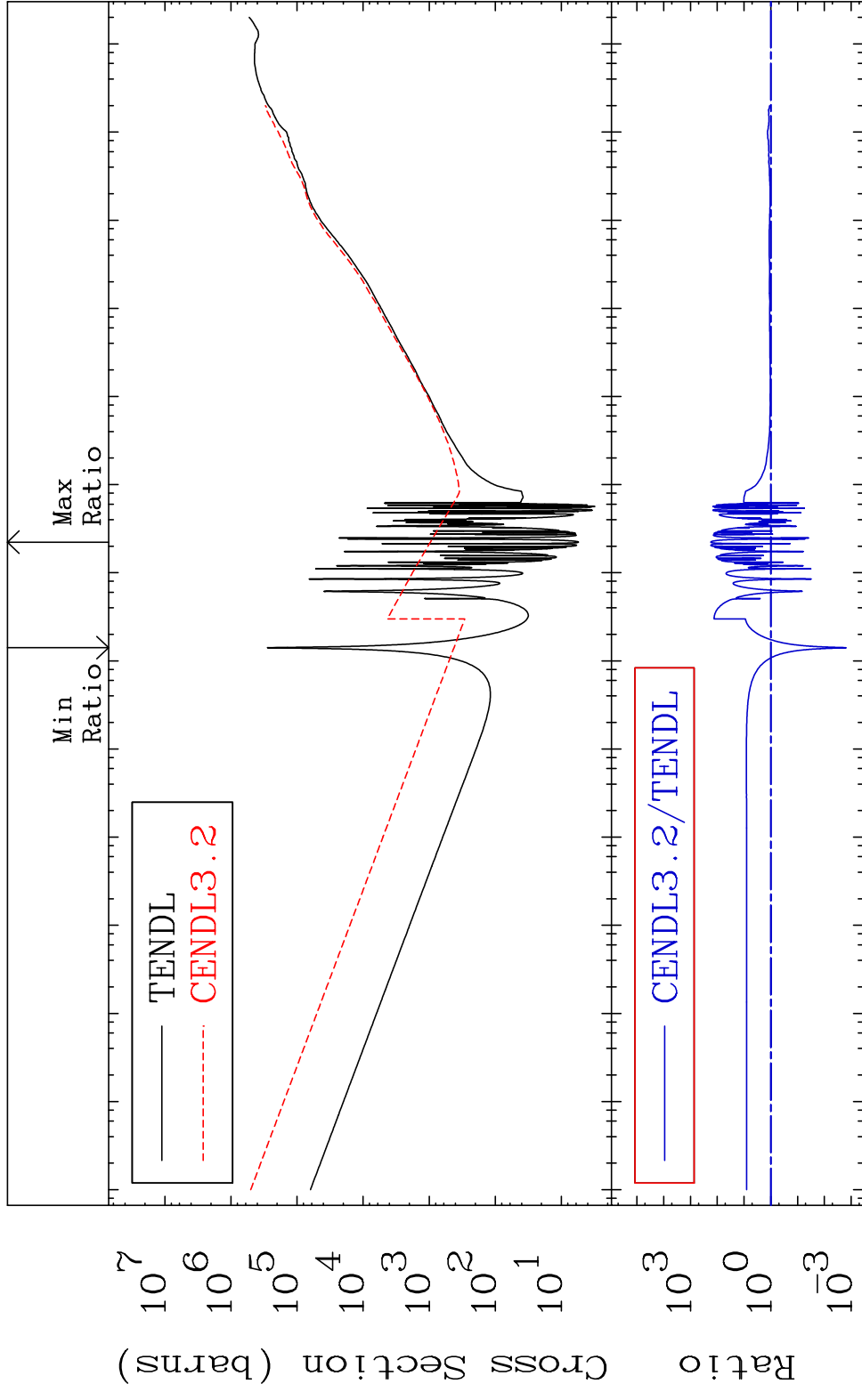
MAT 5337 Total photon (eV-barns) 53-I -131
 Cross Section -99.98 To 2071. %



MAT 5337 Total kinematic kerma (high limit) 53-I -131
 Cross Section -99.88 To 9999. %



MAT 5337 Dpa total (eV-barns) 53-I -131
 Cross Section -99.85 To 9999. %

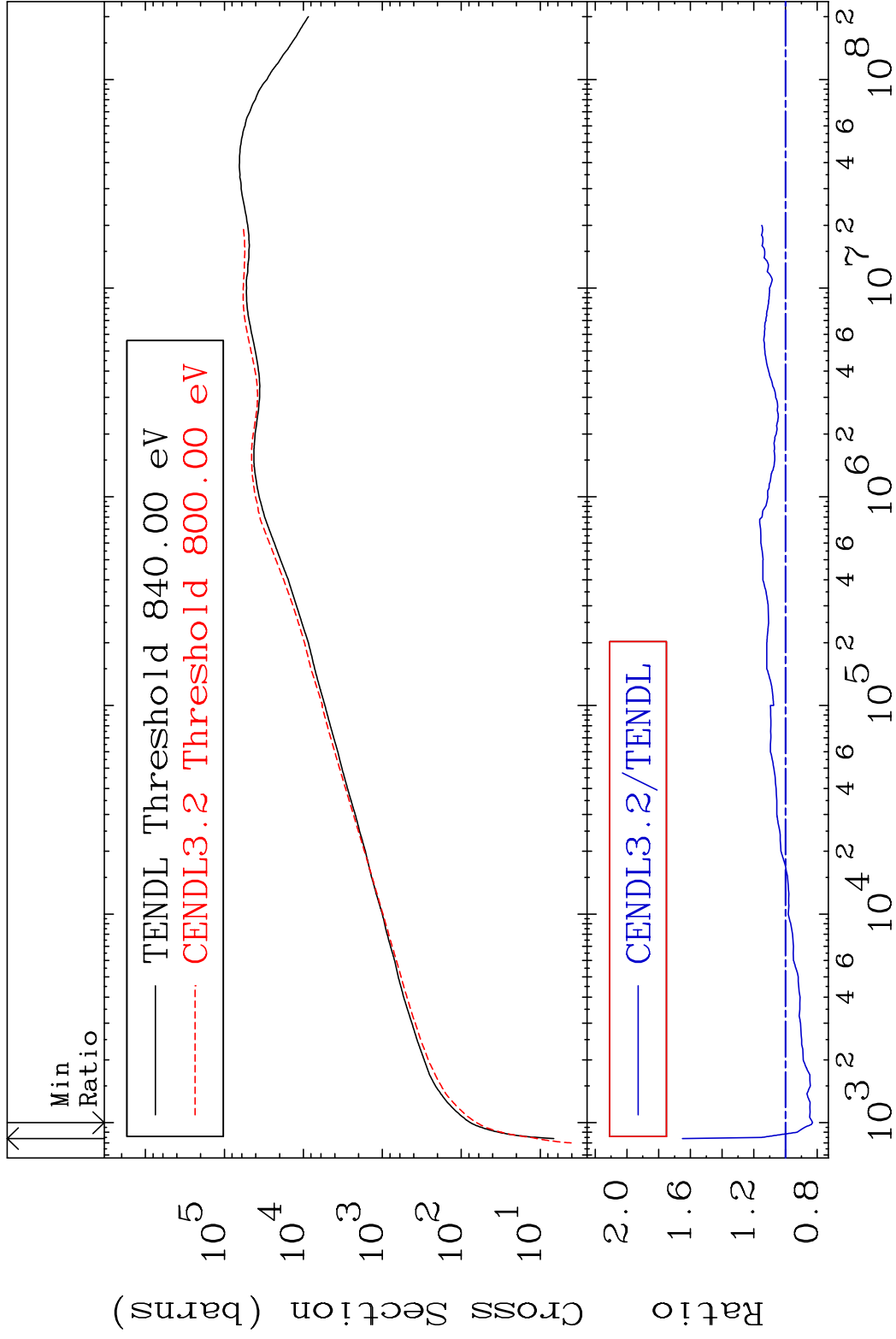


MAT 5337

Dpa elastic (mt2)

53-I -131

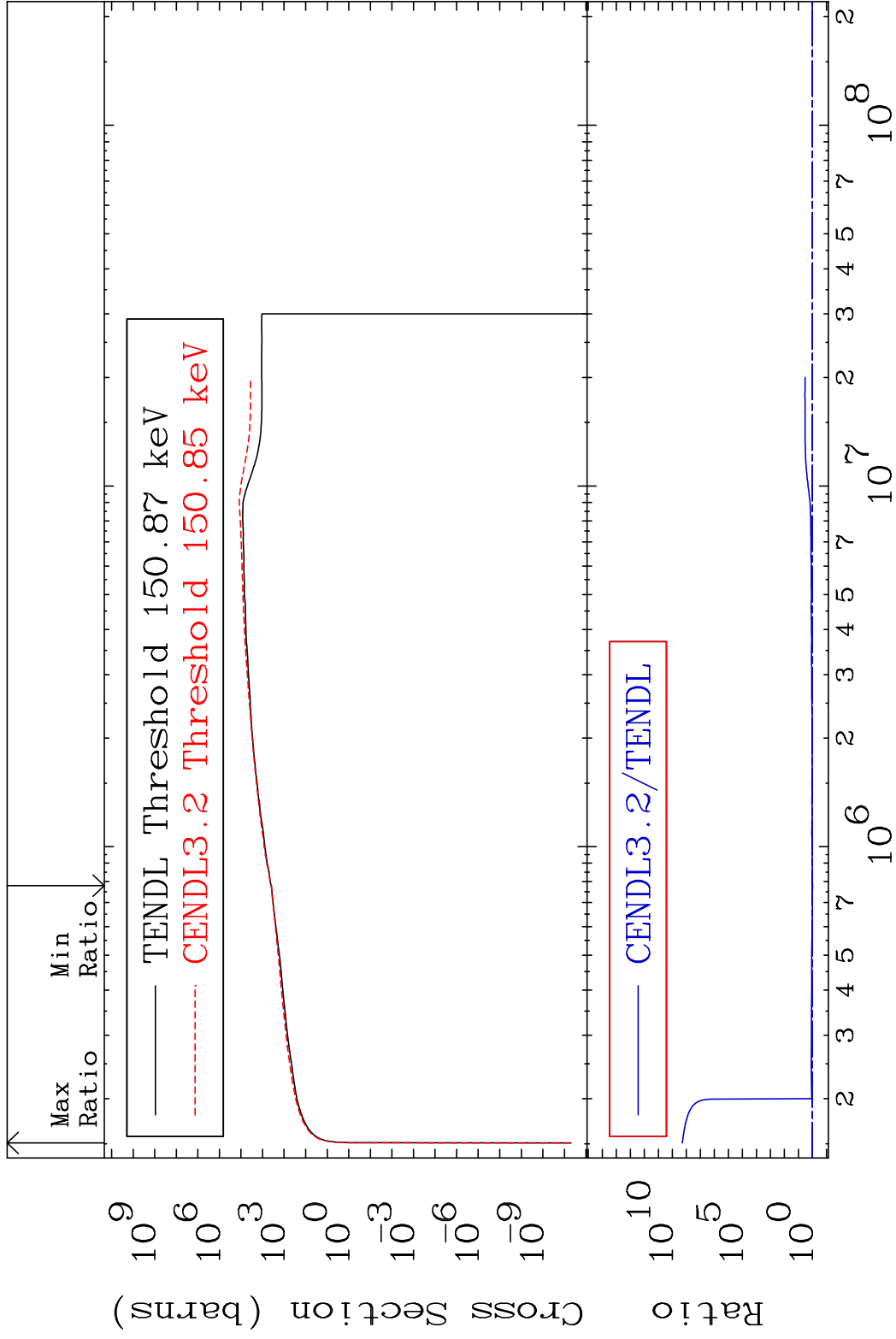
Cross Section -17.04 To 65.06 %



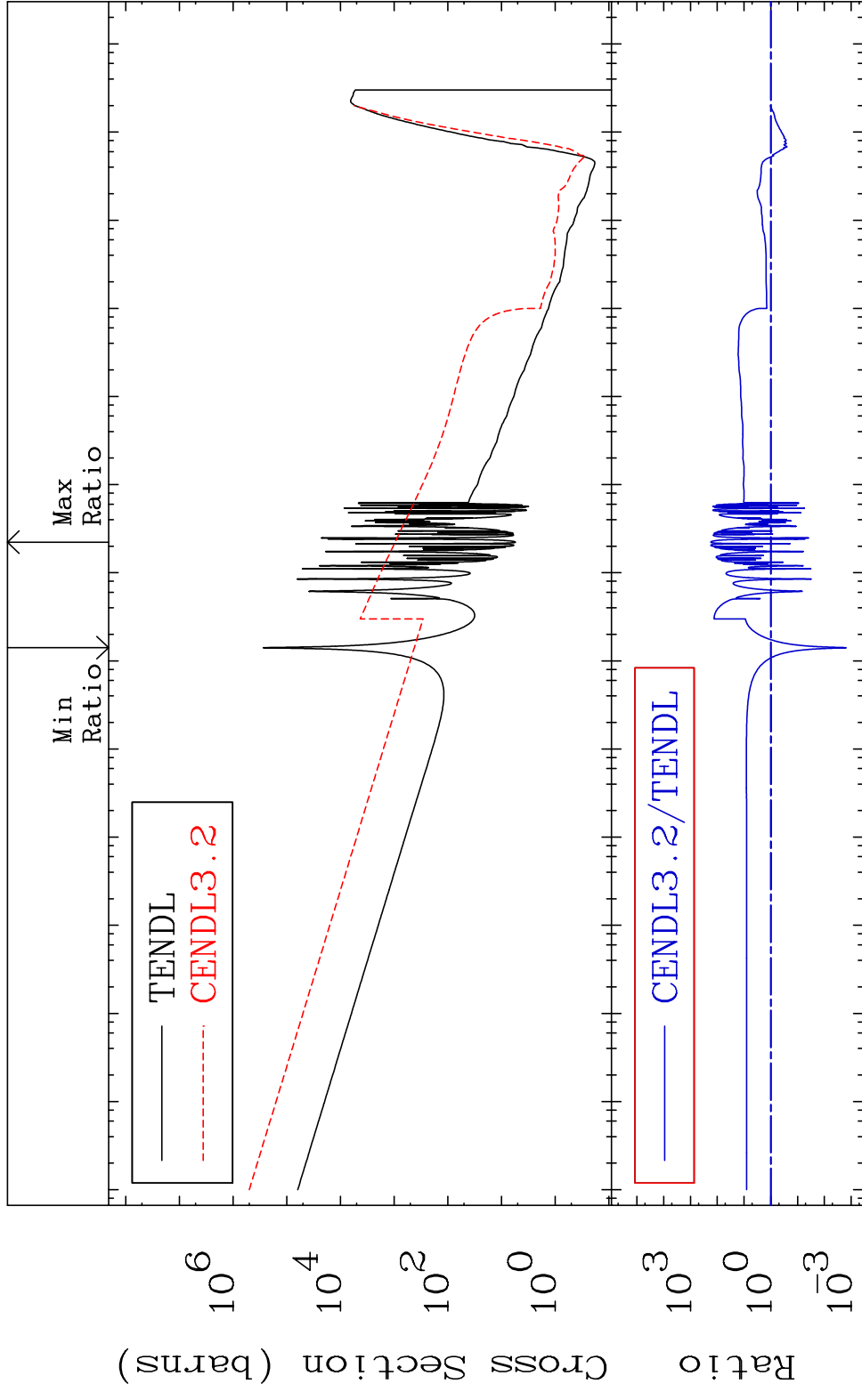
57

Incident Energy (eV)

53-I -131

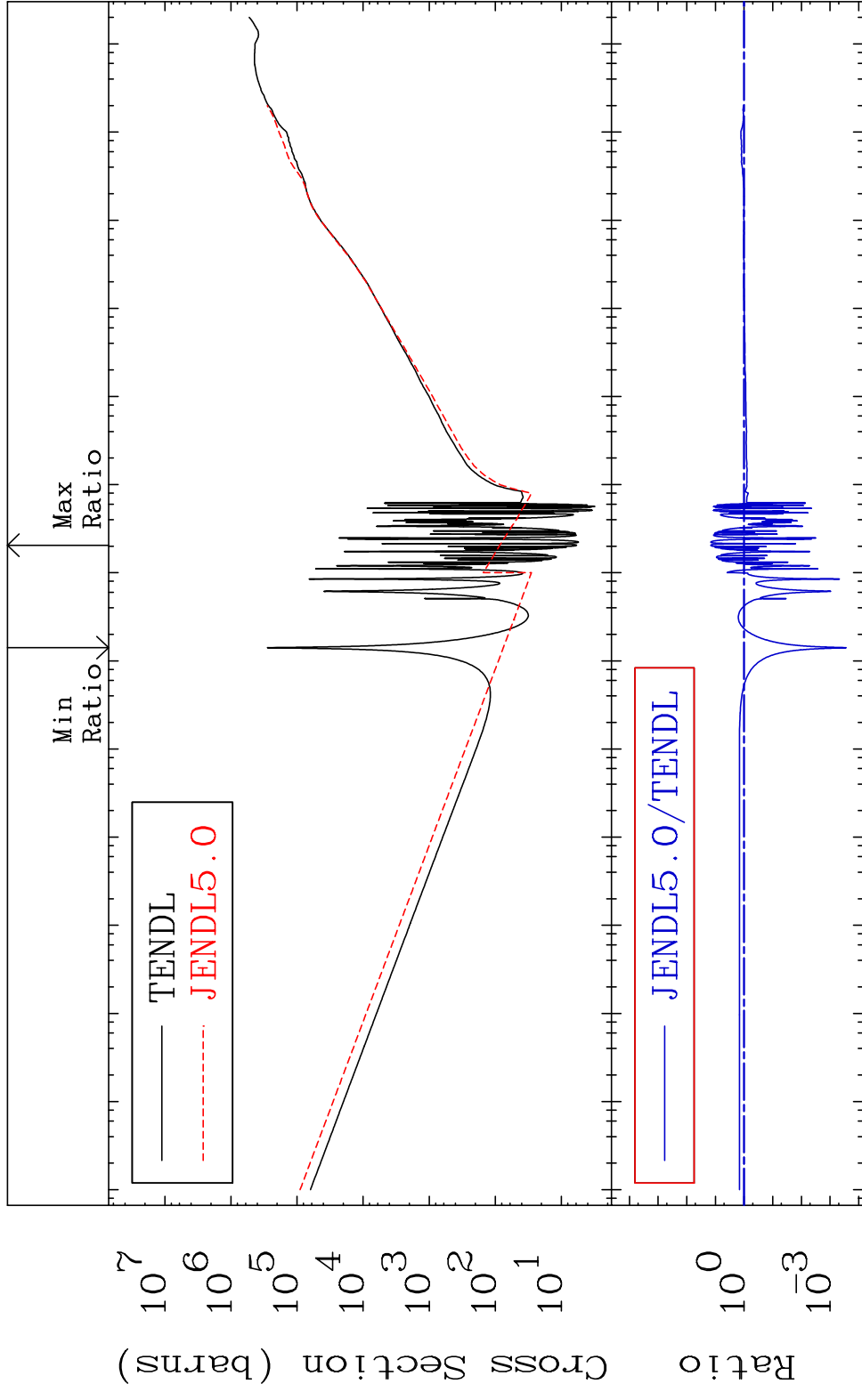


MAT 5337 Dpa disappearance (mt102 -120) 53-I -131
 Cross Section -99.85 To 9999. %



59 Incident Energy (eV) 53-I -131

MAT 5337 Dpa total (eV-barns) 53-I -131
 Cross Section -99.97 To 1358. %



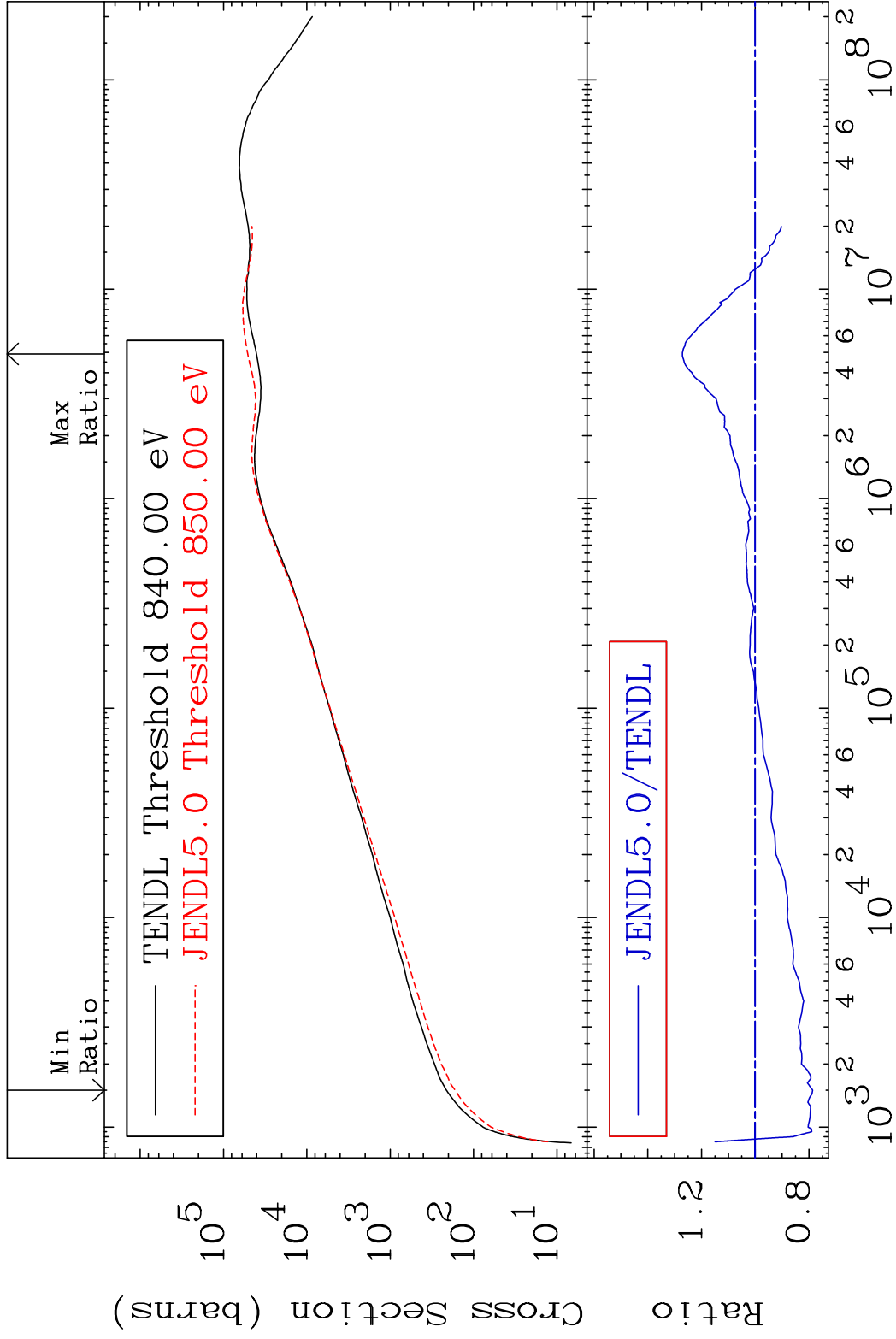
60 Incident Energy (eV) 53-I -131

MAT 5337

Dpa elastic (mt2)

53-I -131

Cross Section -21.35 To 27.13 %

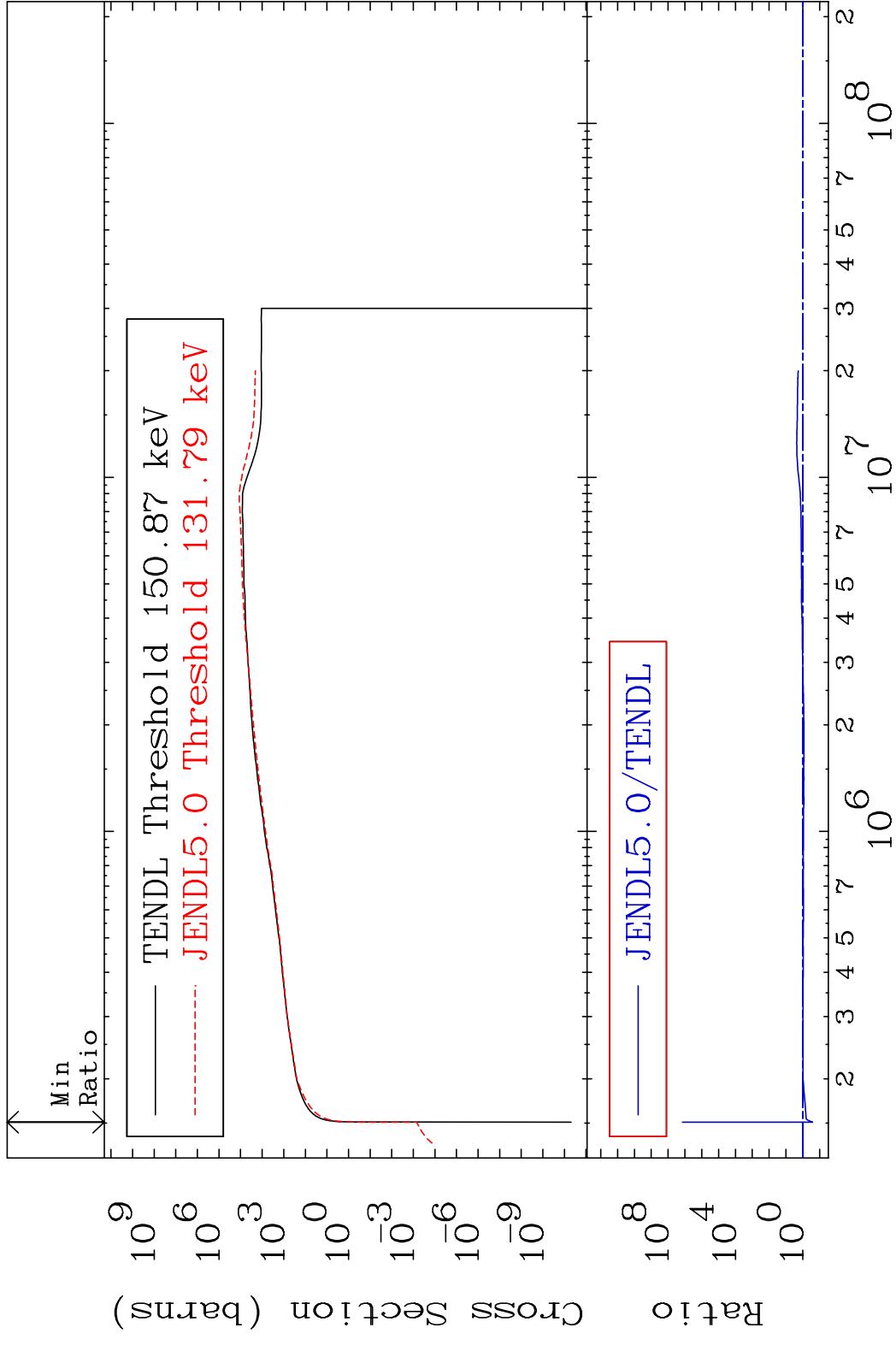


61

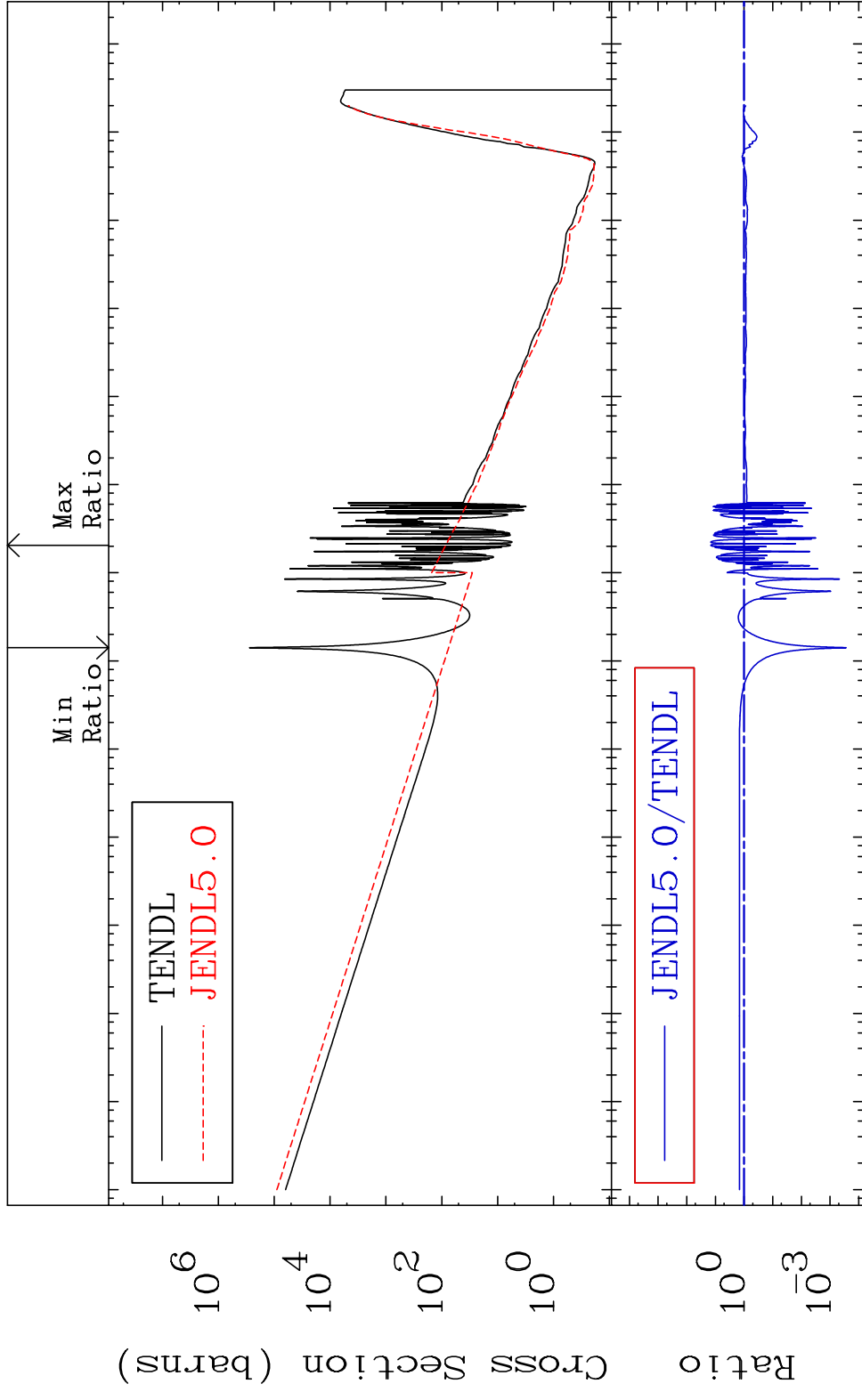
Incident Energy (eV)

53-I -131

MAT 5337 Dpa inelastic (mt51-91) 53-I -131
 Cross Section -73.61 To 9999. %

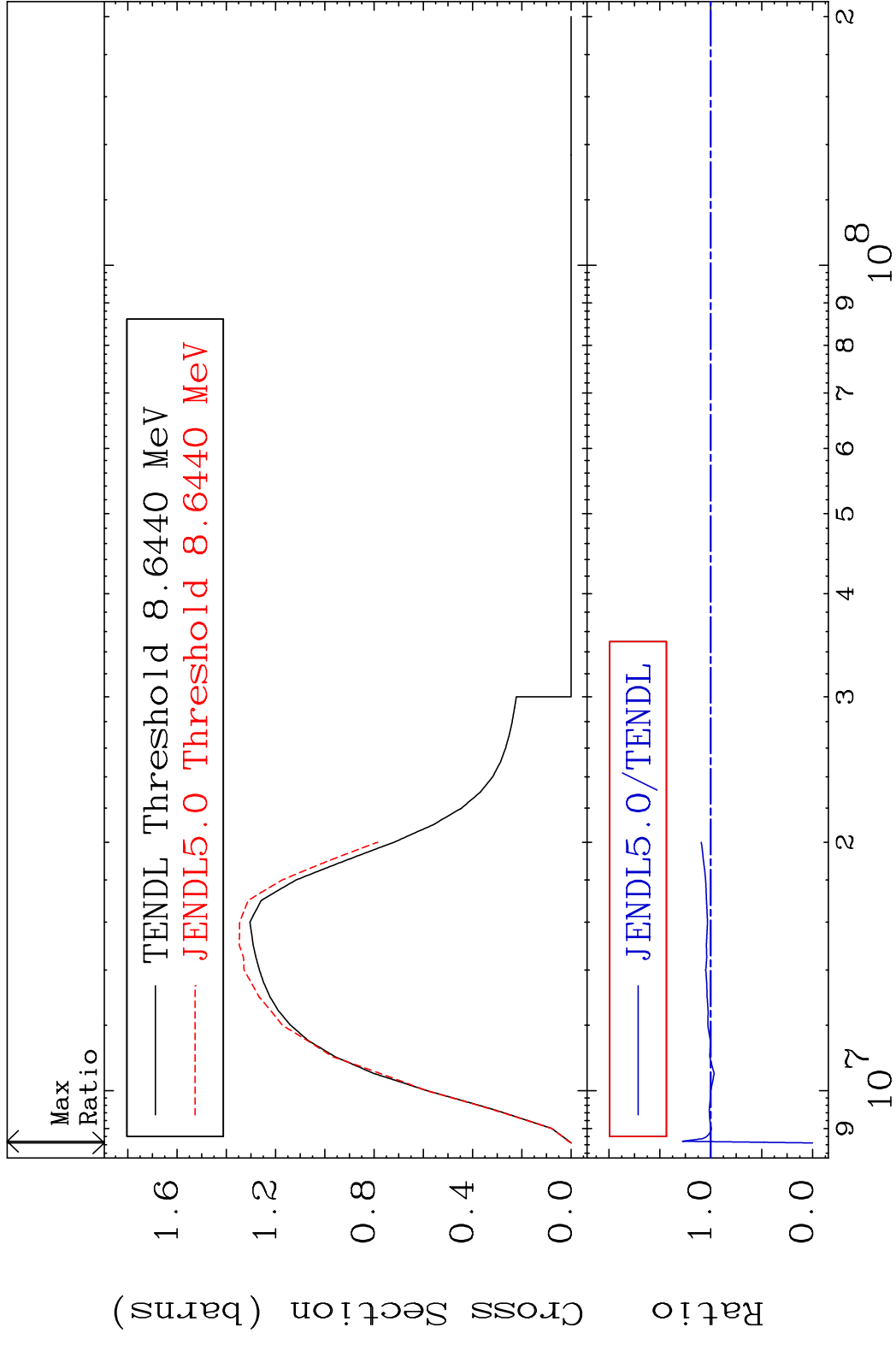


MAT 5337 Dpa disappearance (mt102 -120) 53-I -131
 Cross Section -99.97 To 1358. %

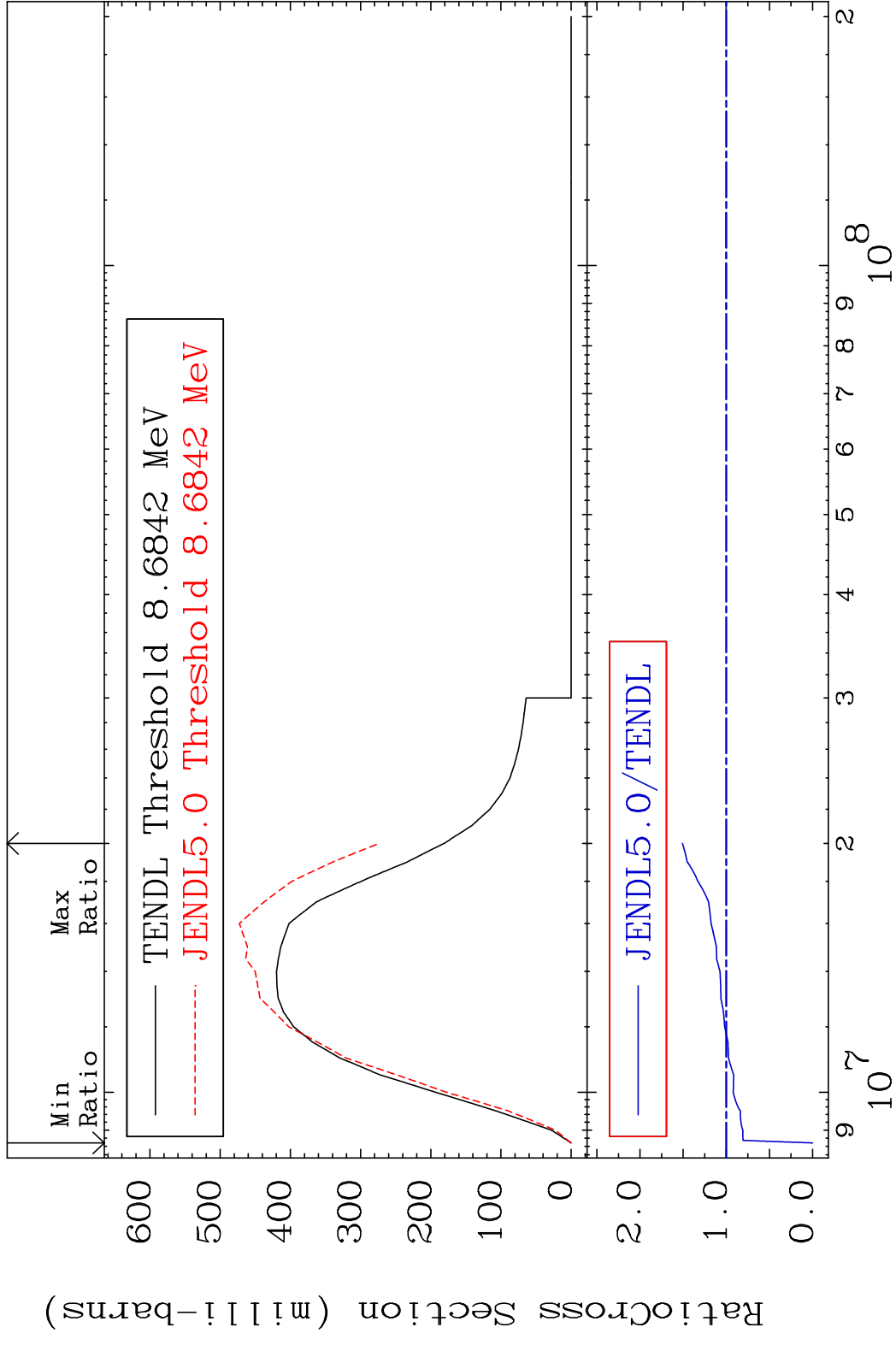


63 Incident Energy (eV) 53-I -131

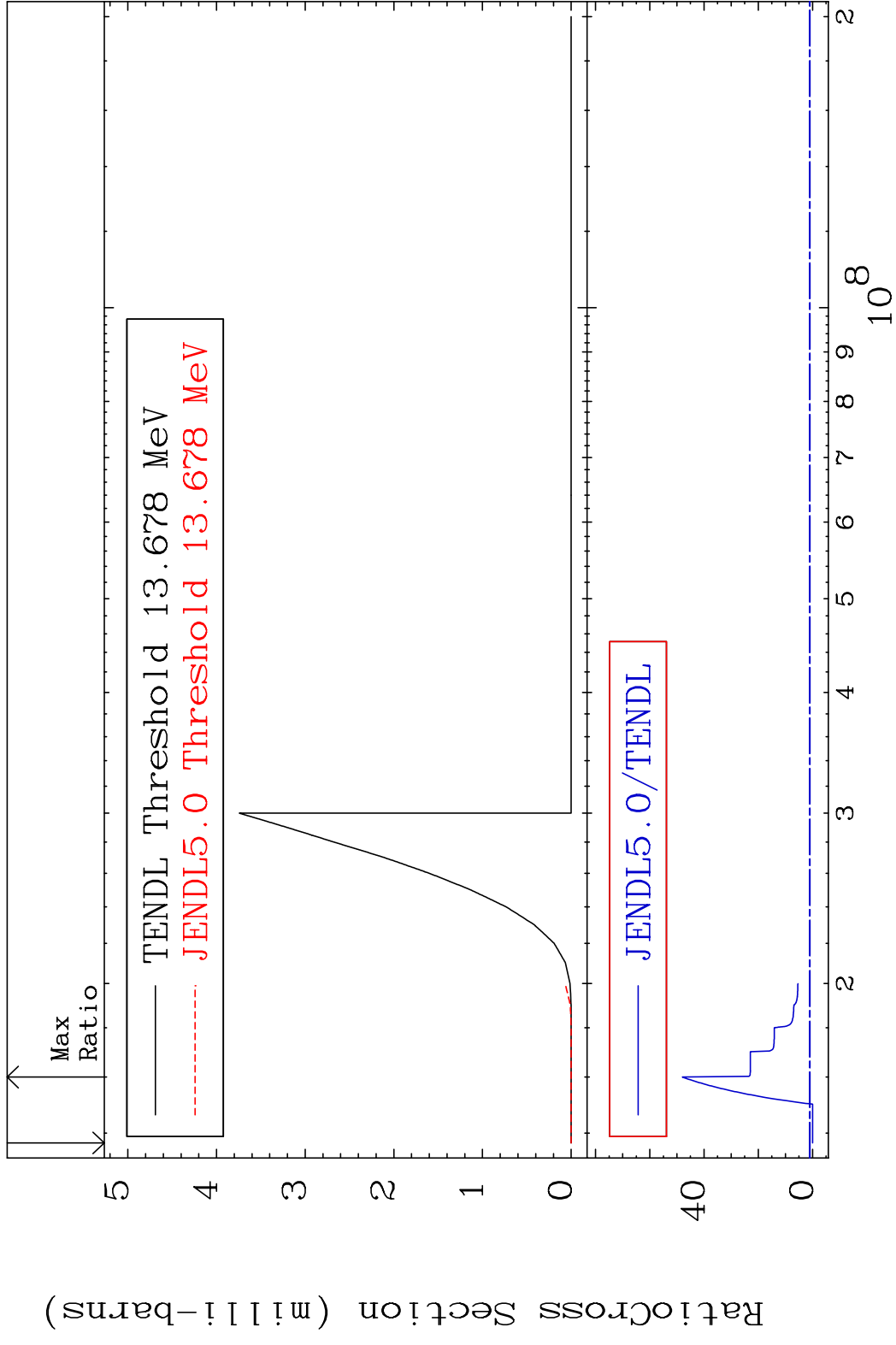
MAT 5337 (n,2n):53-I -130g 53-I -131
 Radionuclide Production Cross Section Ratio 27.93 %



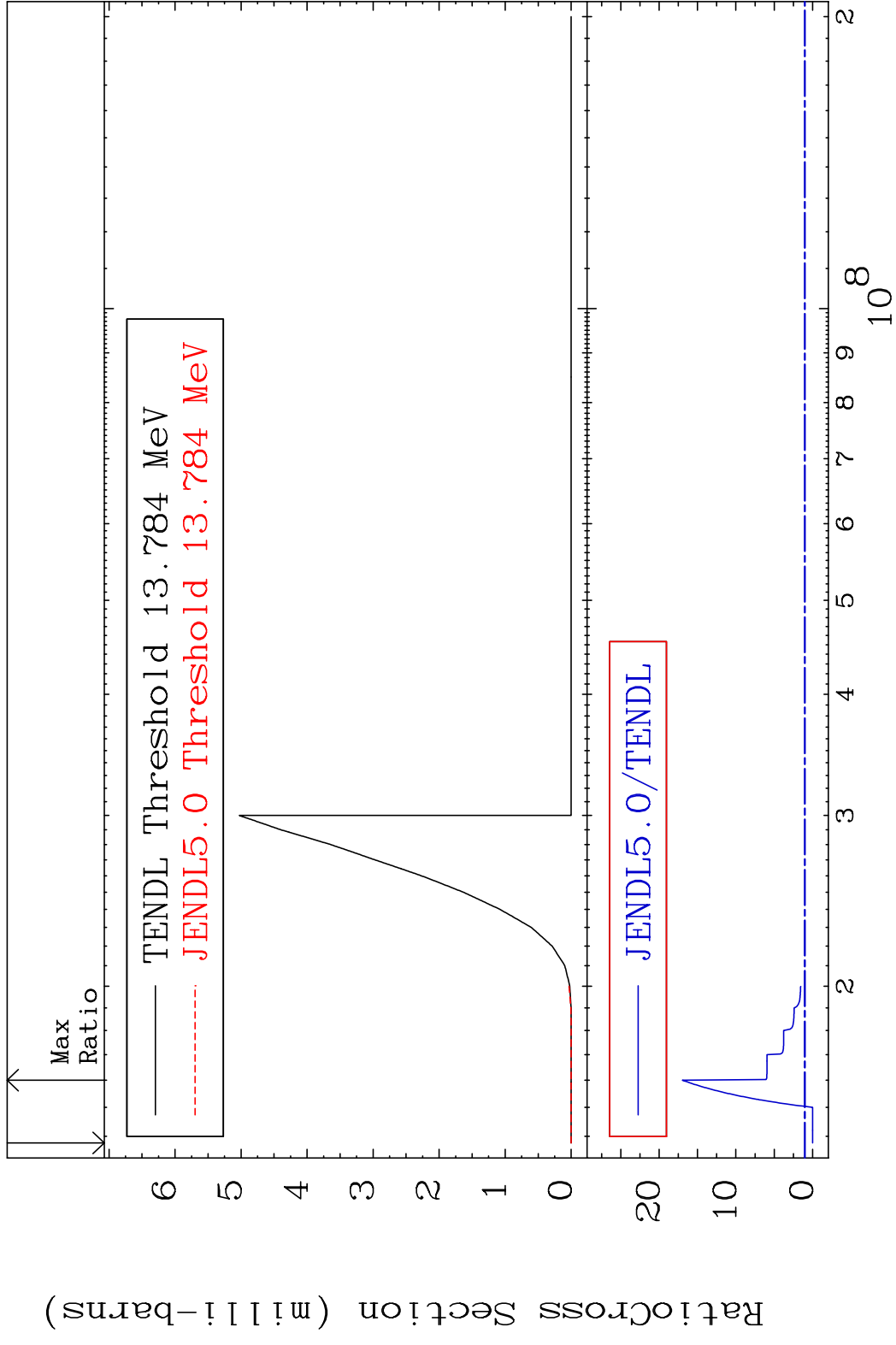
MAT 5337 (n,2n):53-I -130m1 53-I -131
 Radionuclide Production Cross Section 180.01 dth 50.93 %

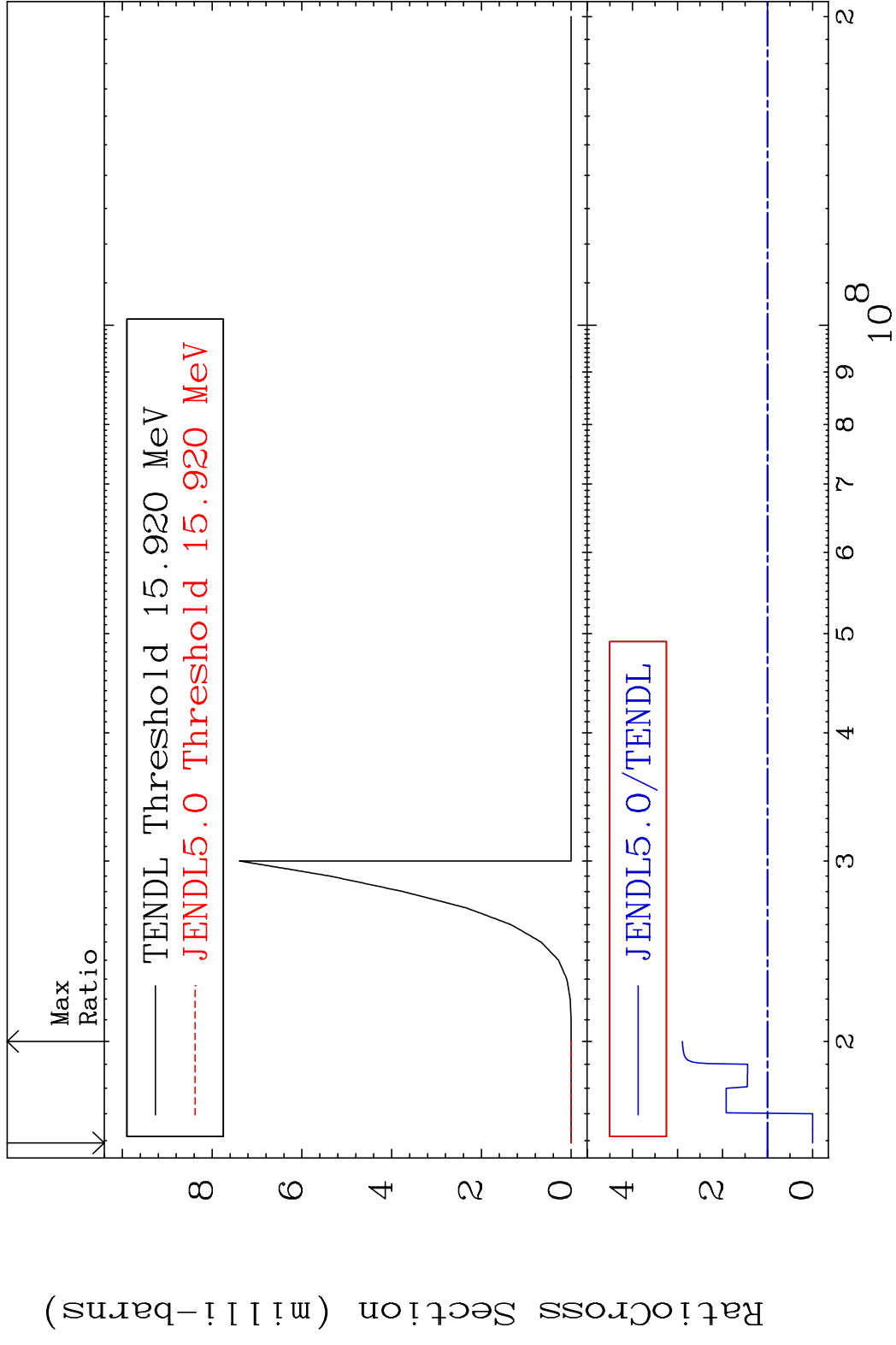


MAT 5337 (n, n') d:52-Te-129g 53-I -131
 Radionuclide Production Cross Section 1800 d to 4700 . %

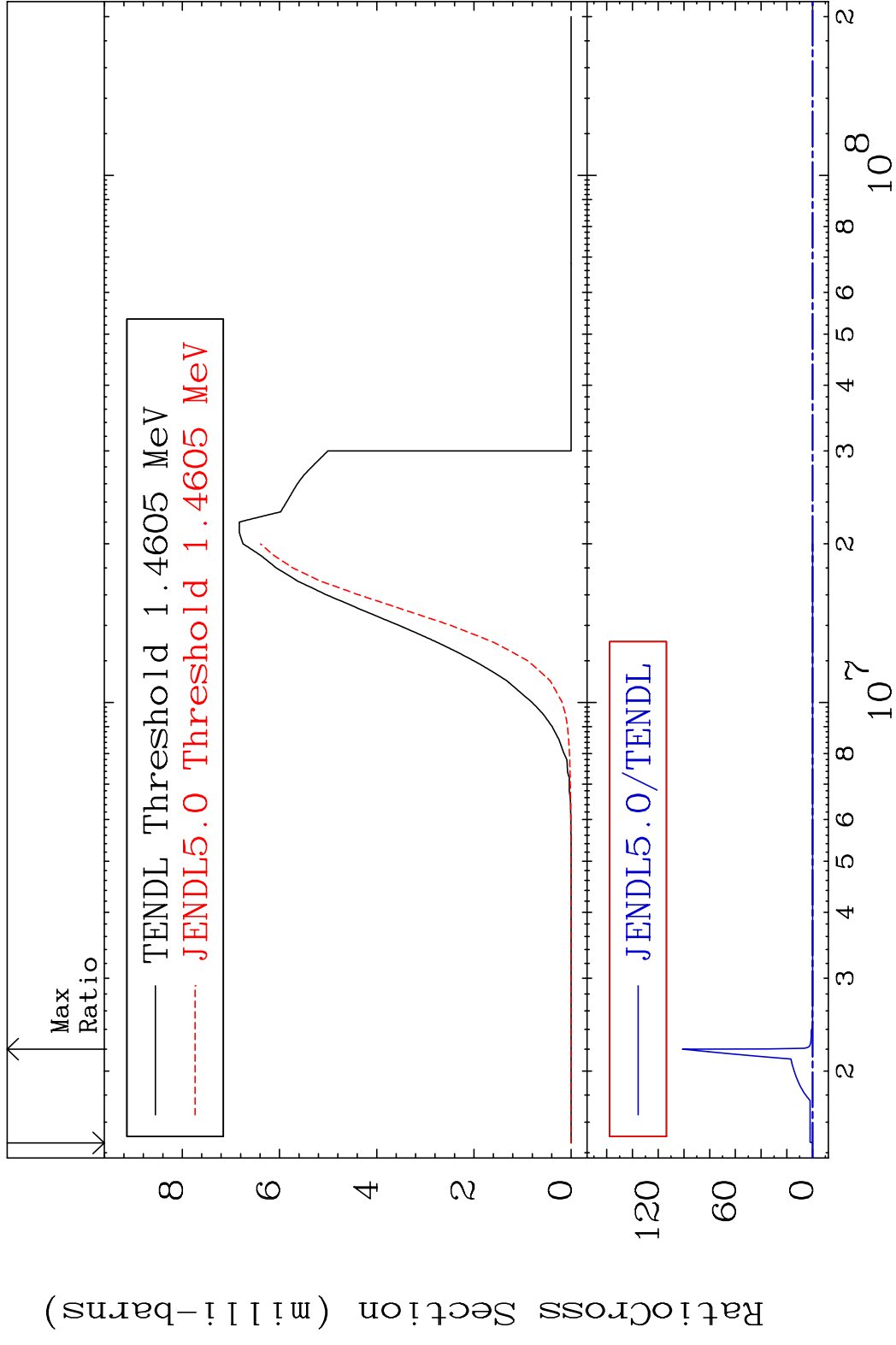


MAT 5337 (n, n') d:52-Te-129m1 53-I -131
 Radionuclide Production Cross Section Ratio 1597. %



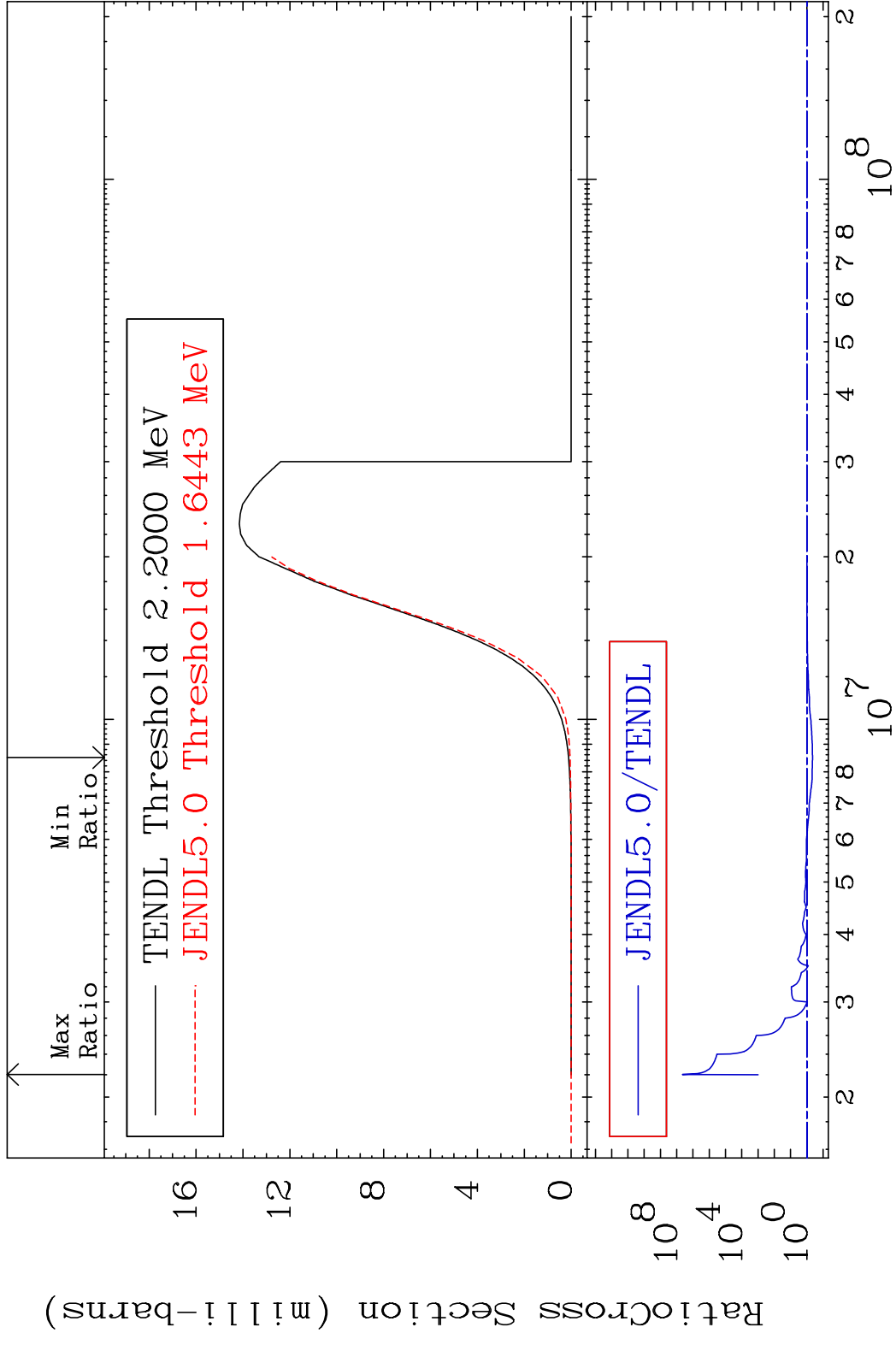


MAT 5337 (n,p):52-Te-131g 53-I -131
 Radionuclide Production Cross Section to 9999. %

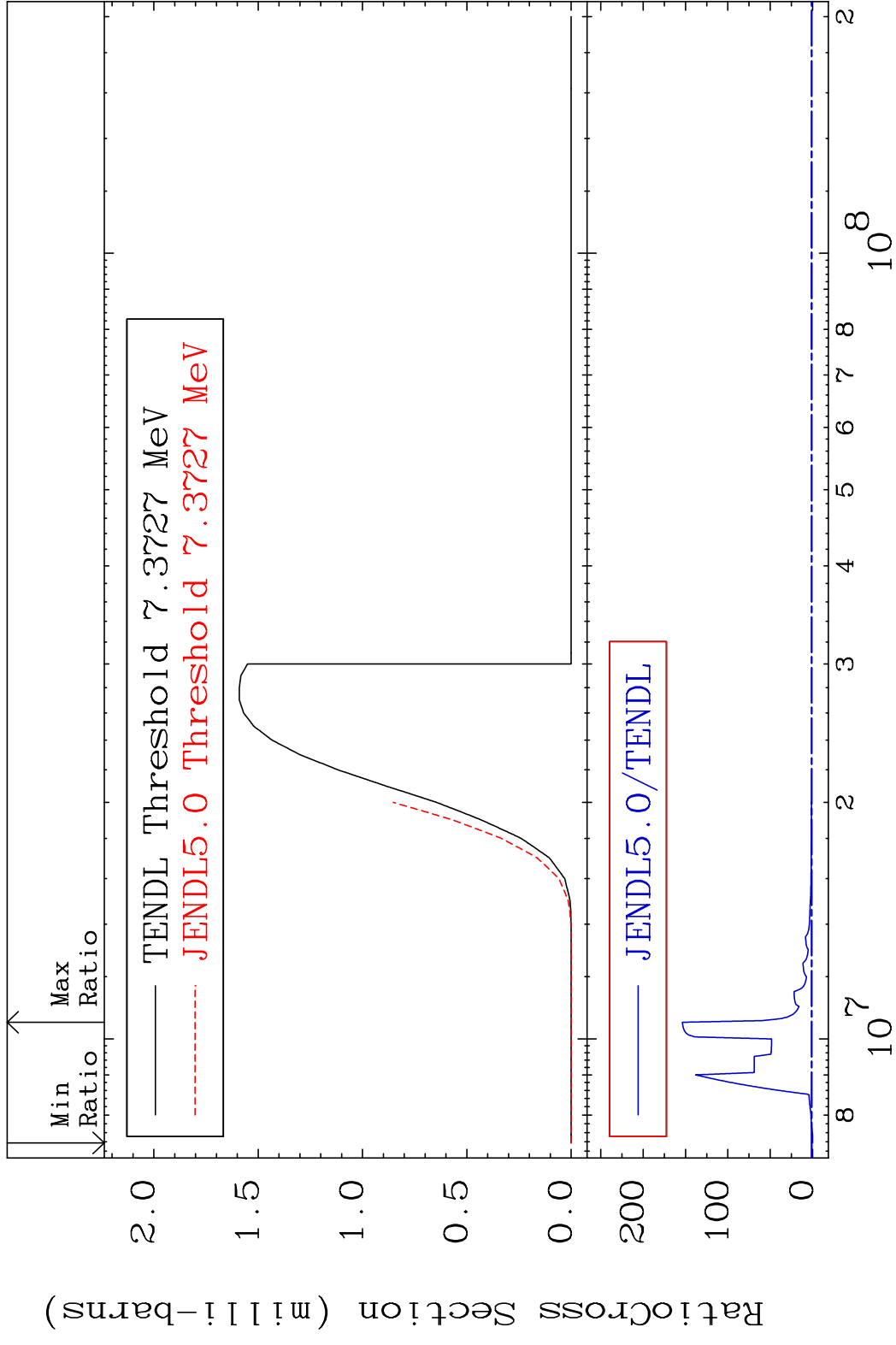


70 Incident Energy (eV) 53-I -131

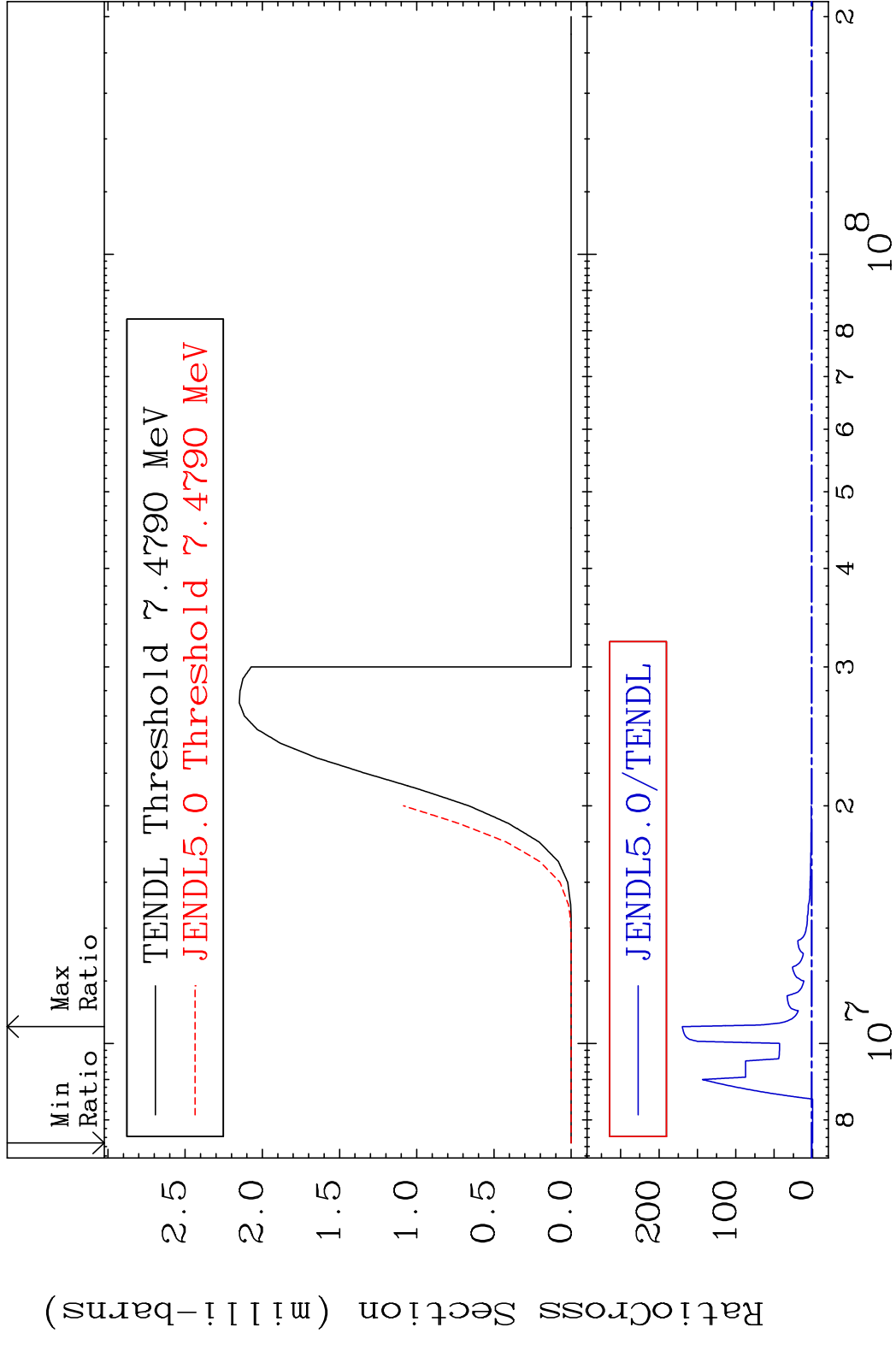
MAT 5337 (n, p):52-Te-131m1 53-I -131
 Radionuclide Production Cross Section to 9999. %



MAT 5337 (n,t):52-Te-129g 53-I -131
 Radionuclide Production Cross Section to 9999. %



MAT 5337 (n, t):52-Te-129m1 53-I -131
 Radionuclide Production Cross Section to 9999. %



73 Incident Energy (eV) 53-I -131