

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

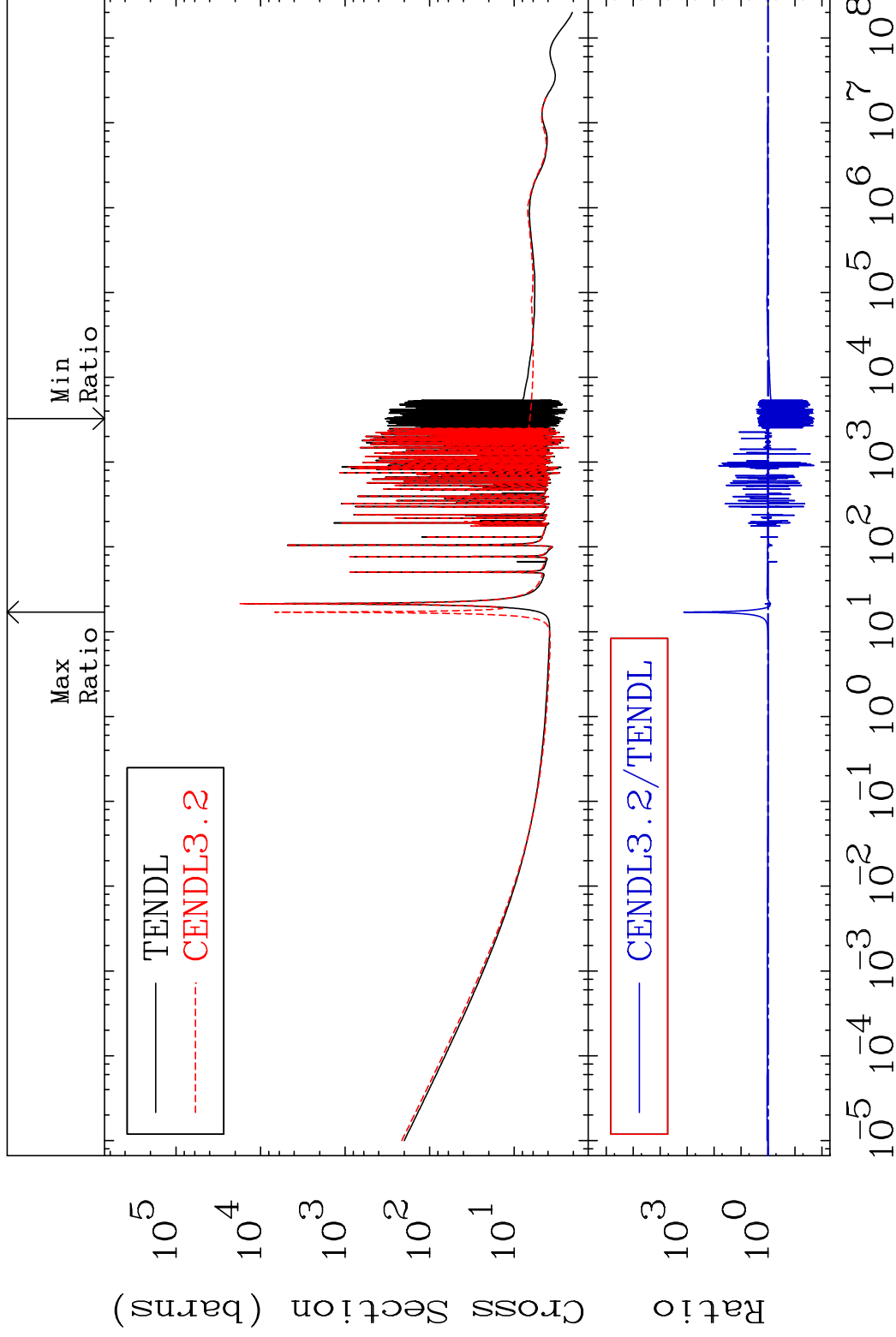
MAT 5131

Total

51-Sb-123

Cross Section

-98.06 To 9999. %



1

Incident Energy (eV)

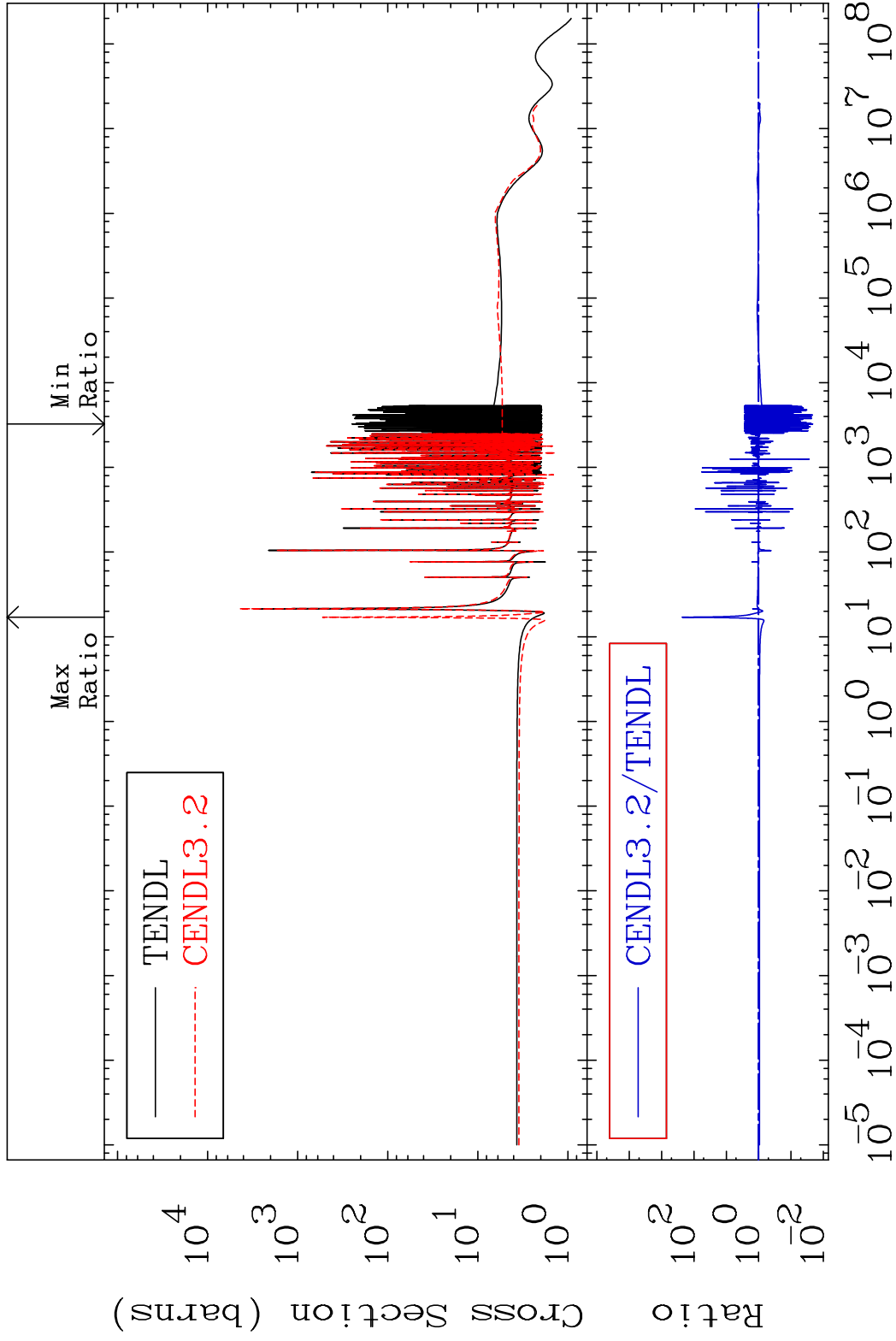
51-Sb-123

MAT 5131

Elastic

51-Sb-123

Cross Section -97.84 To 9999. %



2

Incident Energy (eV)

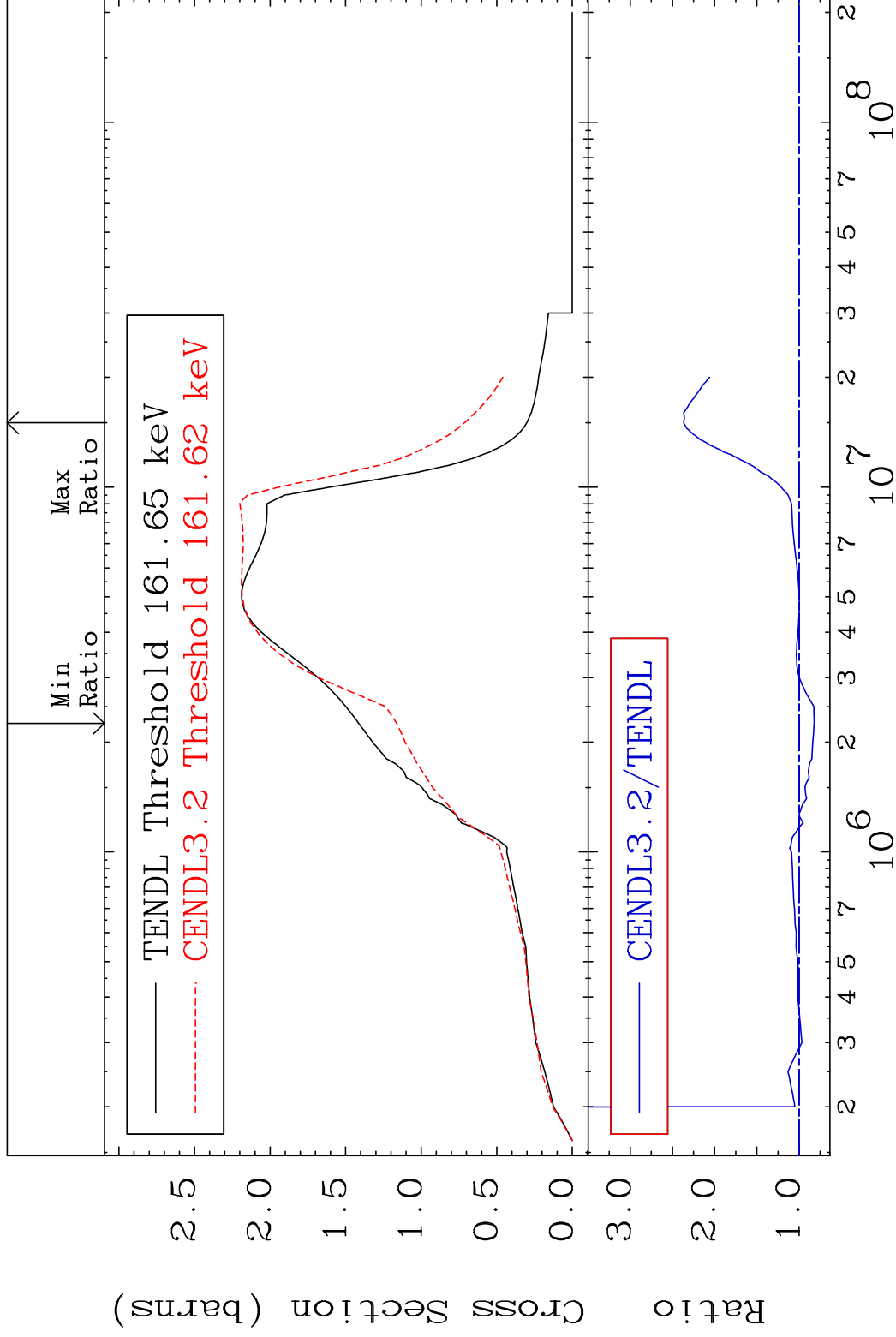
51-Sb-123

MAT 5131

Inelastic

51-Sb-123

Cross Section -17.81 To 136.7 %



3

Incident Energy (eV)

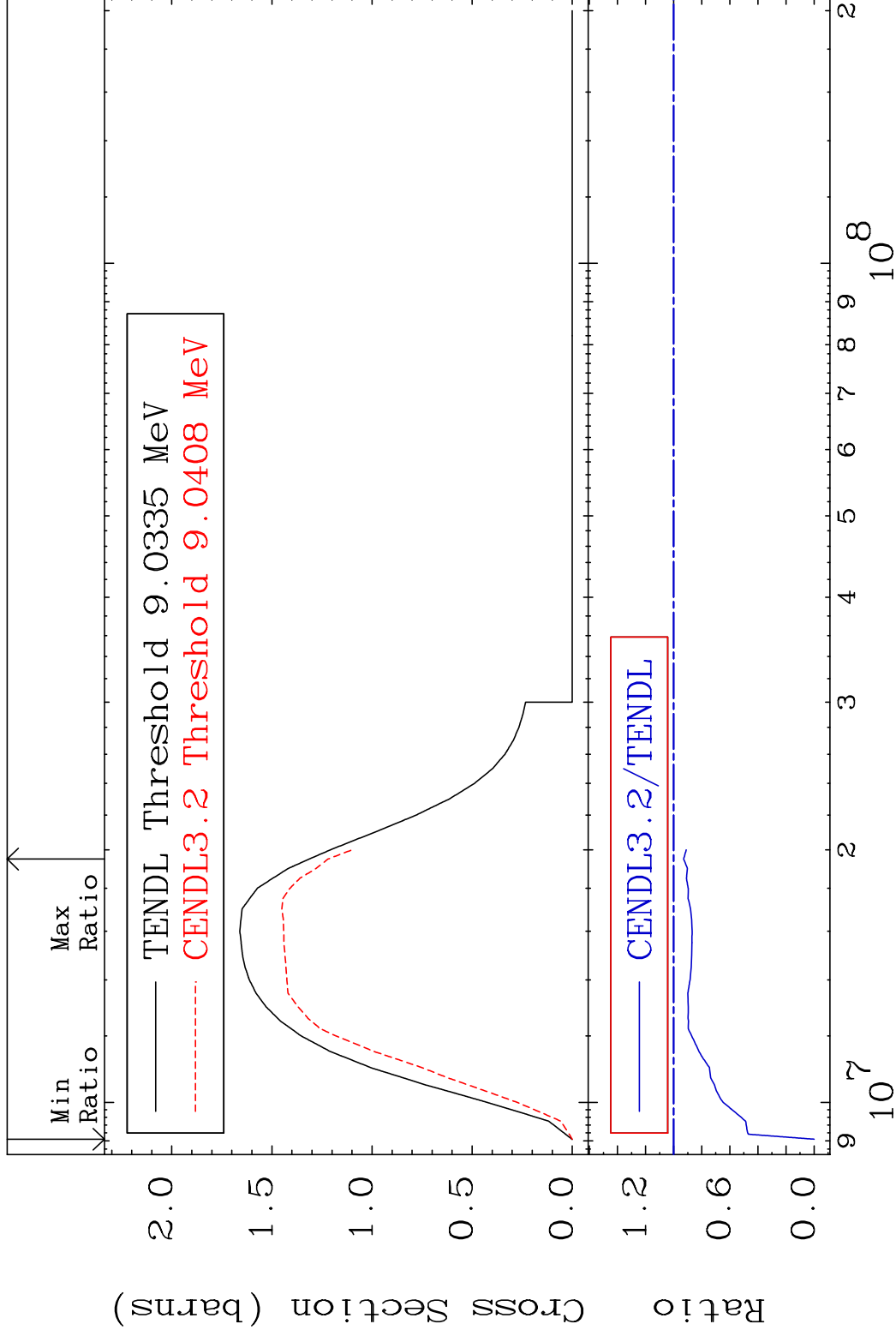
51-Sb-123

MAT 5131

(n,2n)

51-Sb-123

Cross Section -100.0 To -7.120%



4

Incident Energy (eV)

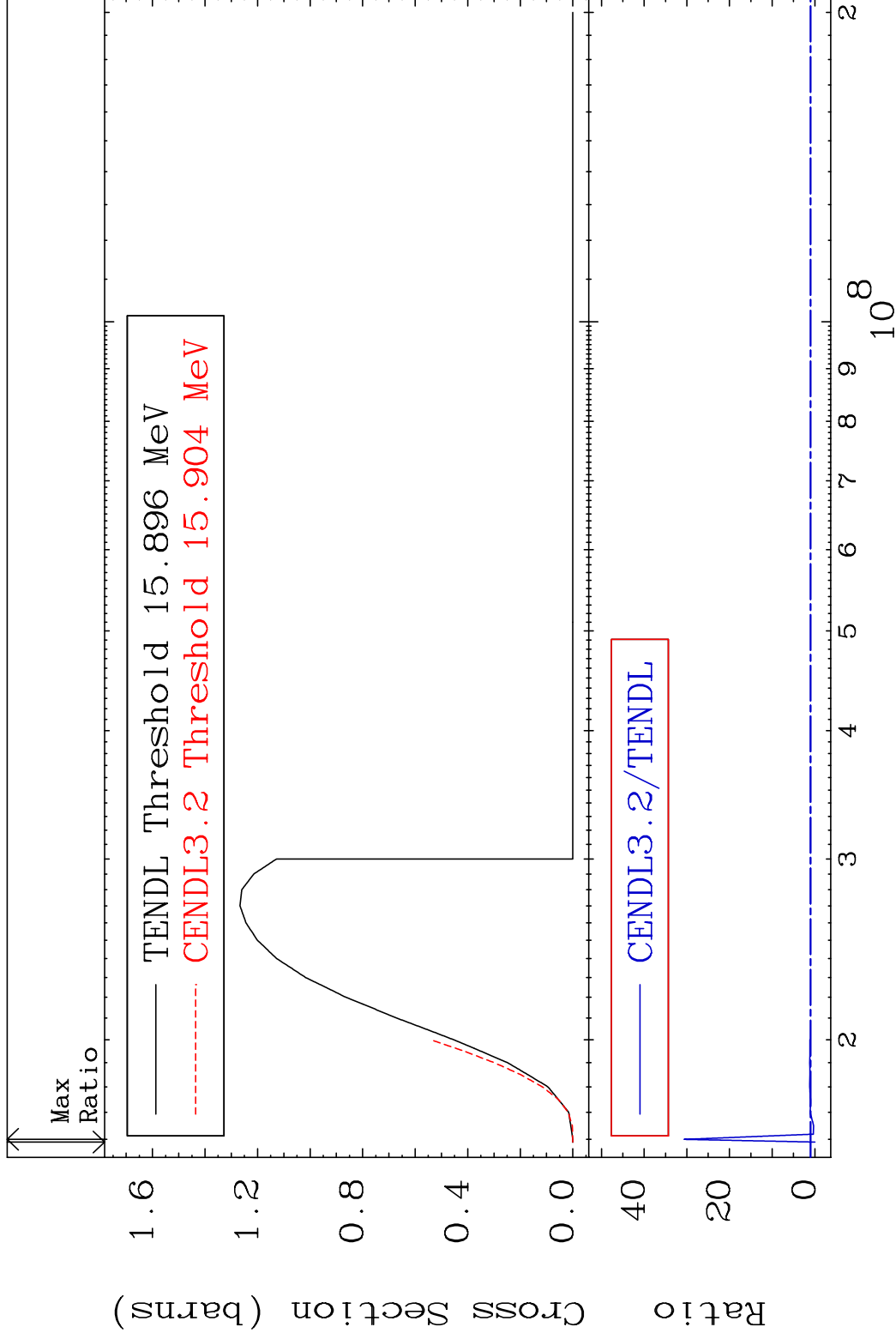
51-Sb-123

MAT 5131

(n,3n)

51-Sb-123

Cross Section -100.0 To 2959. %



5

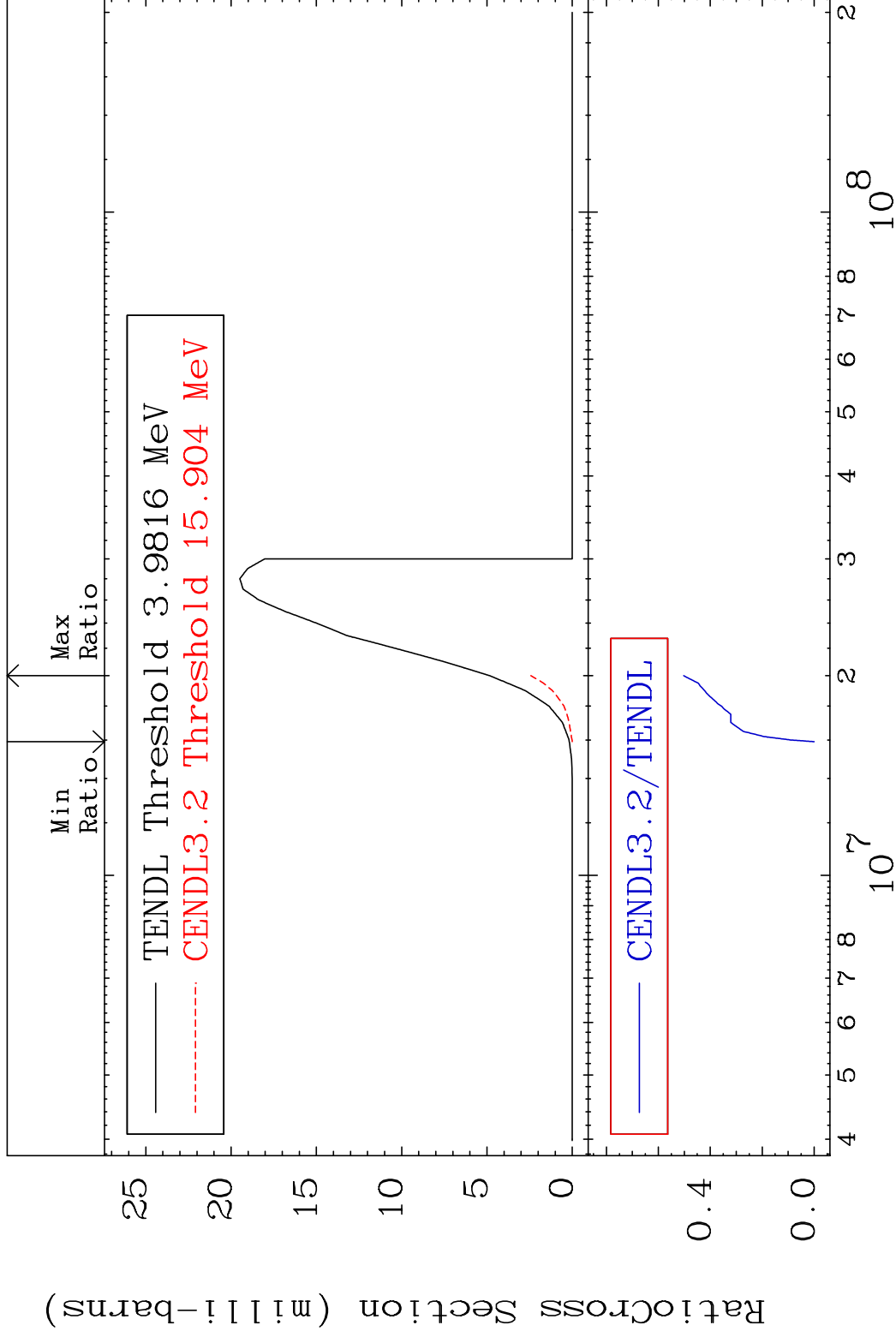
Incident Energy (eV)

51-Sb-123

MAT 5131

(n, n') α 51-Sb-123

Cross Section -100.0 To -49.75%



6

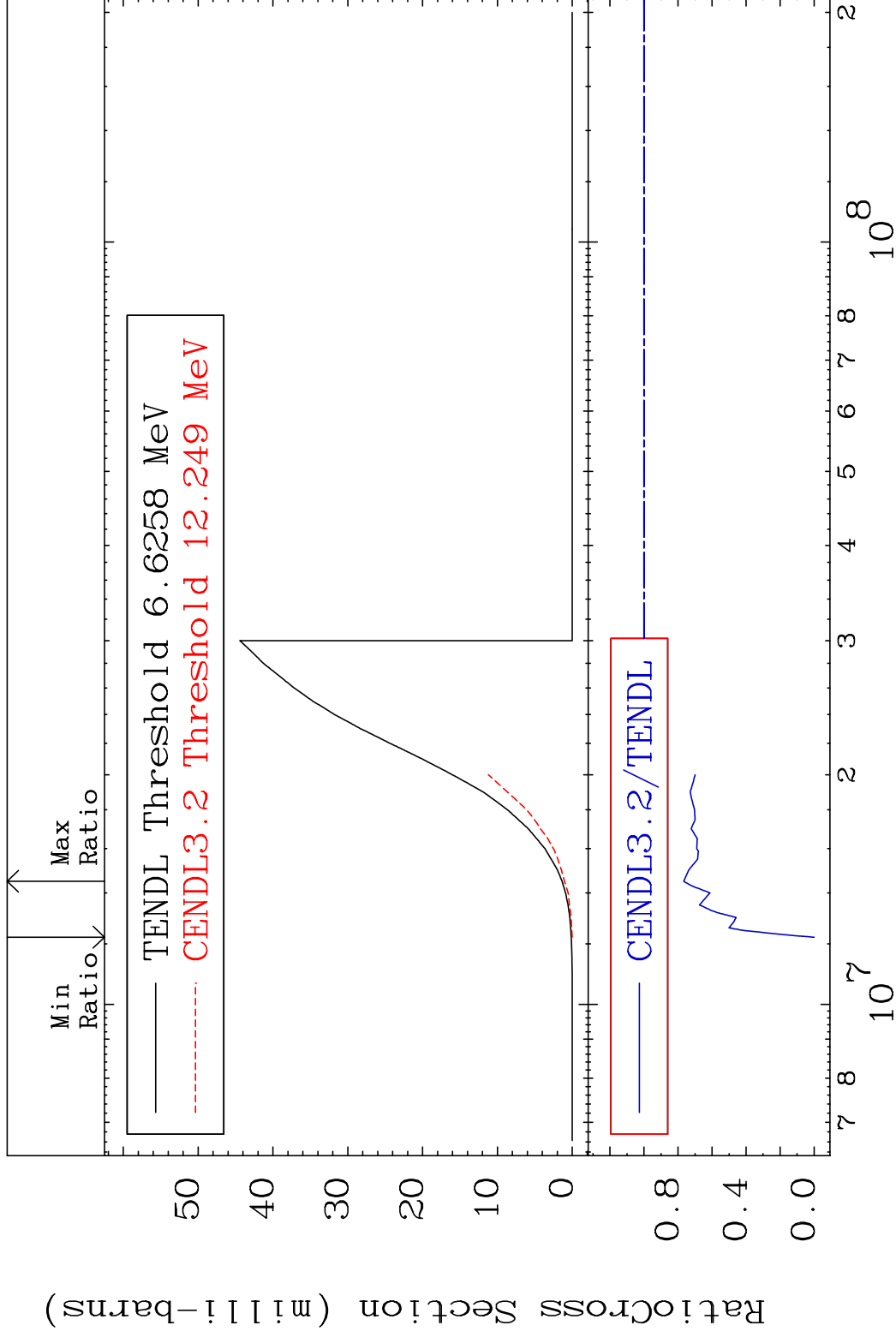
Incident Energy (eV)

51-Sb-123

MAT 5131

(n, n') p 51-Sb-123

Cross Section -100.0 To -23.31%

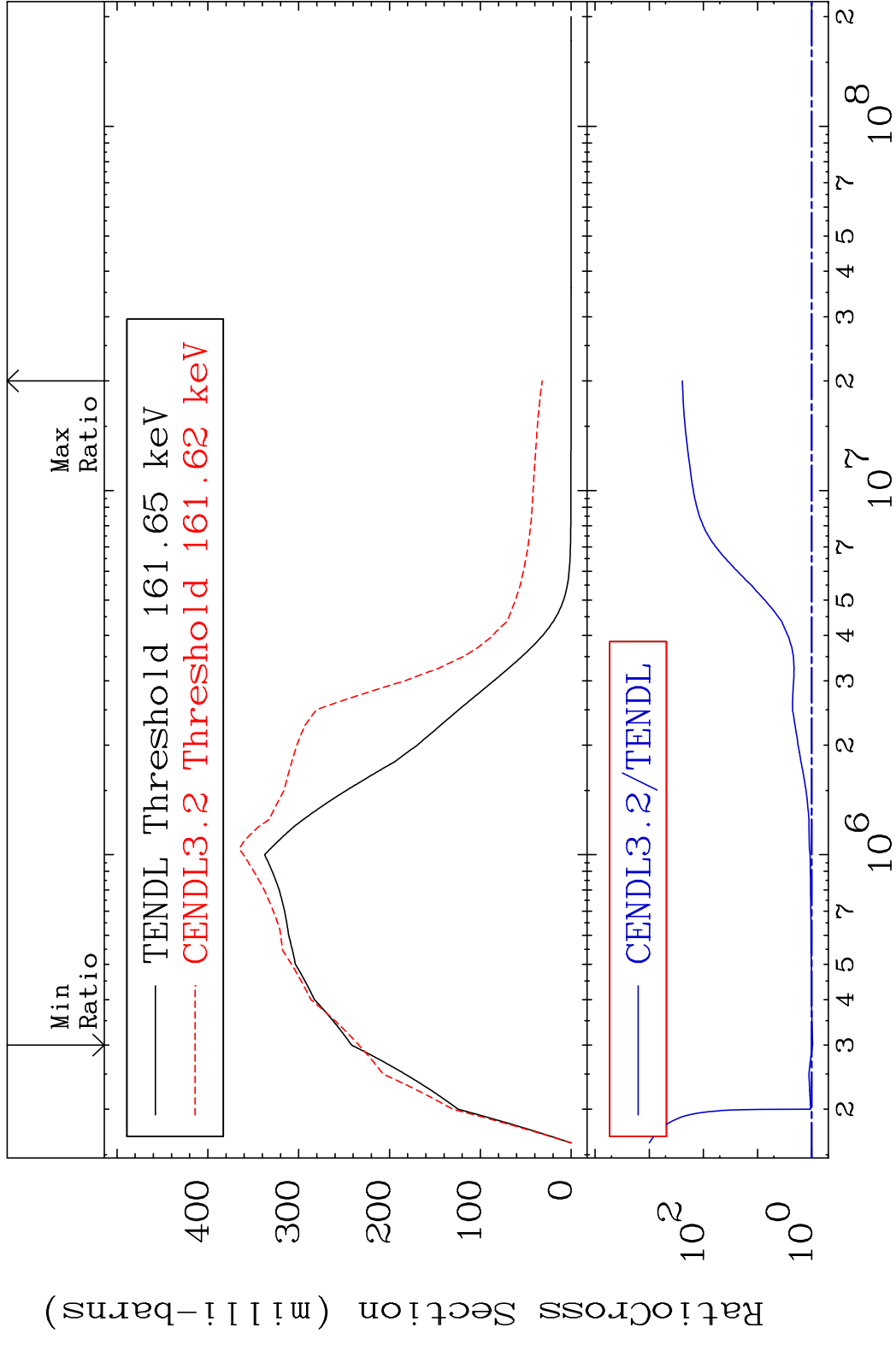


7

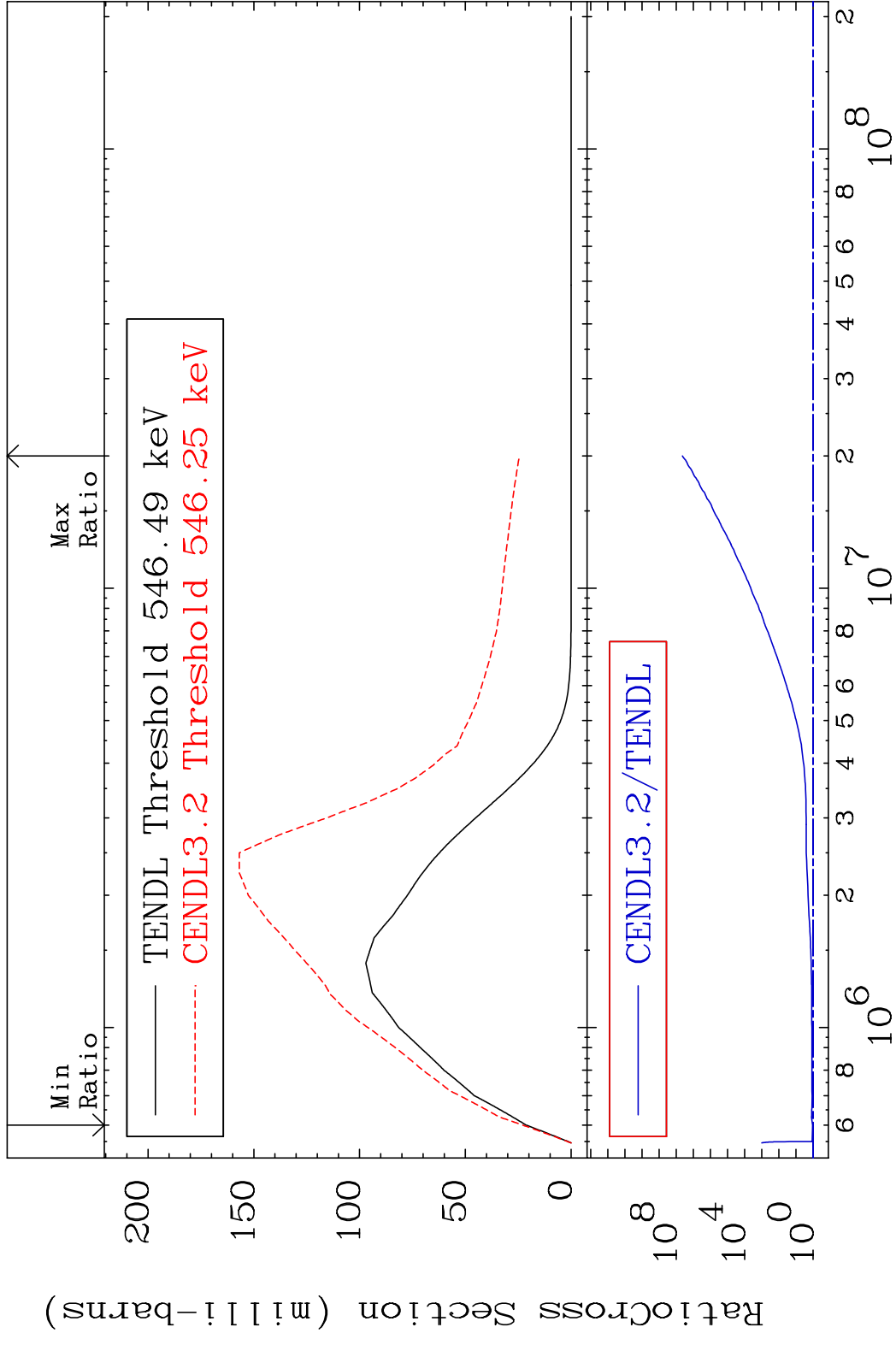
Incident Energy (eV)

51-Sb-123

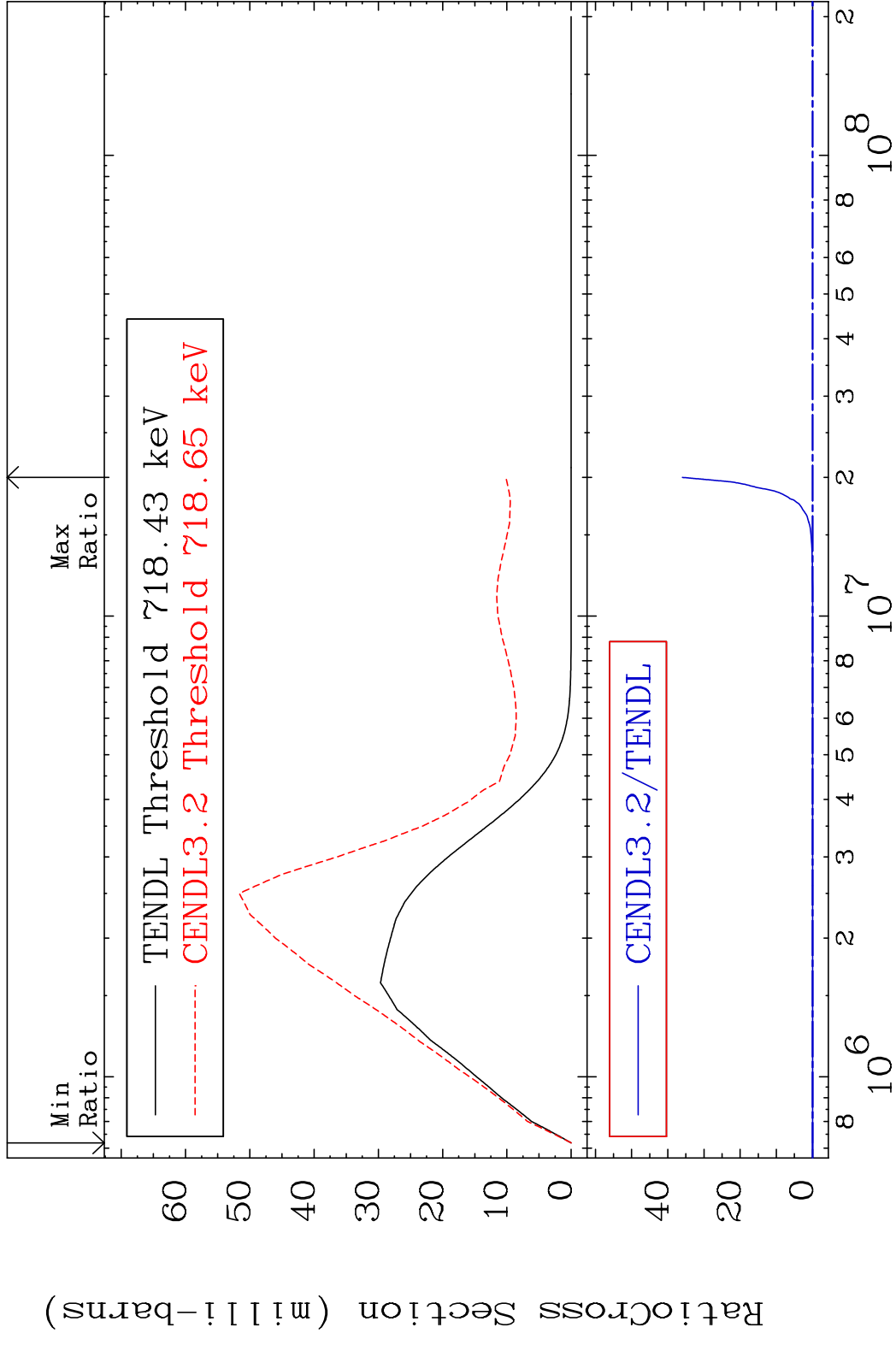
MAT 5131 MT= 51 (n,n') Level 51-Sb-123
 Cross Section -3.363 To 9999. %



MAT 5131 MT= 52 (n, n') Level 51-Sb-123
 Cross Section 7.679 To 9999. %

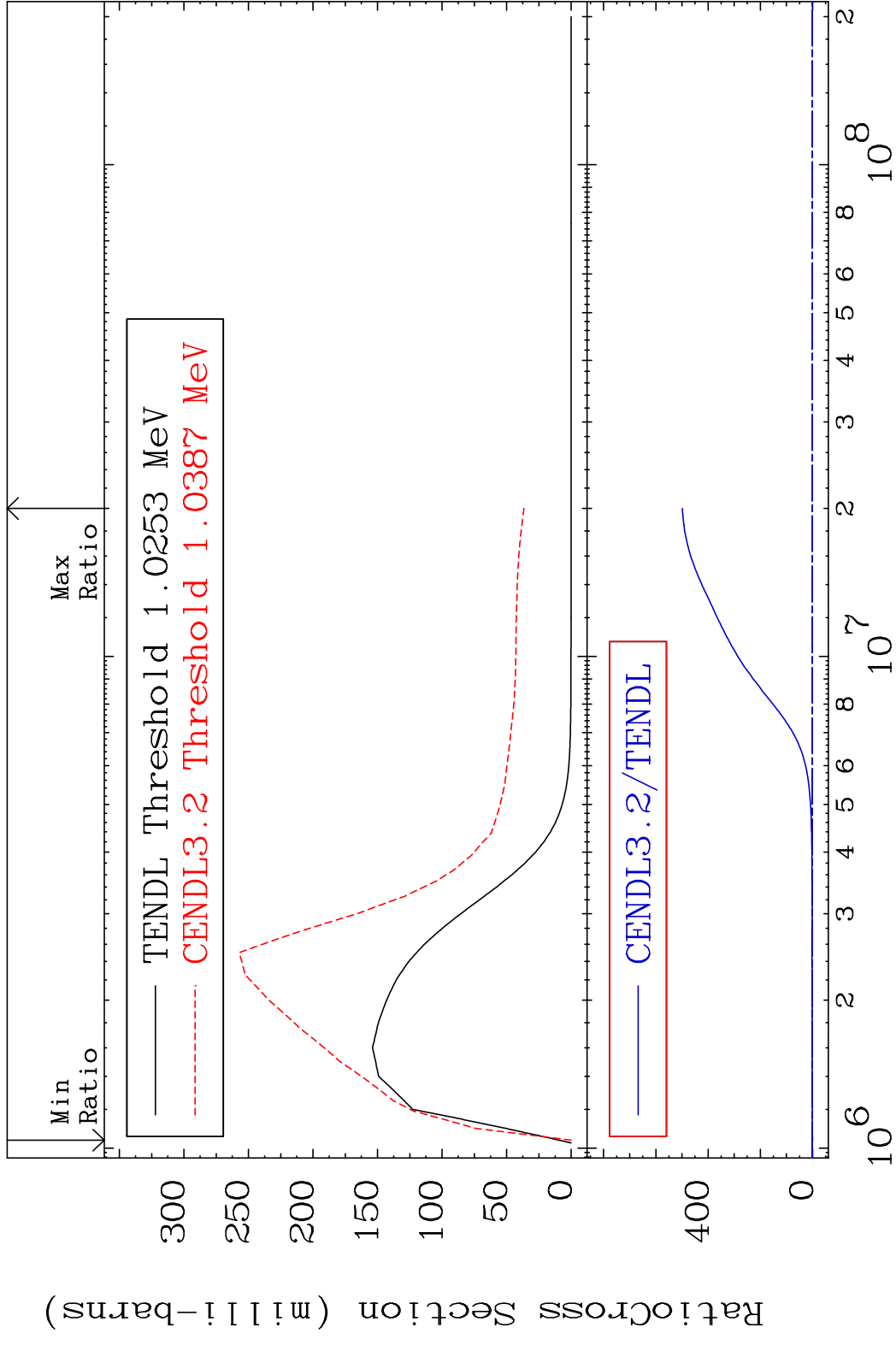


MAT 5131 MT= 53 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 9999. %



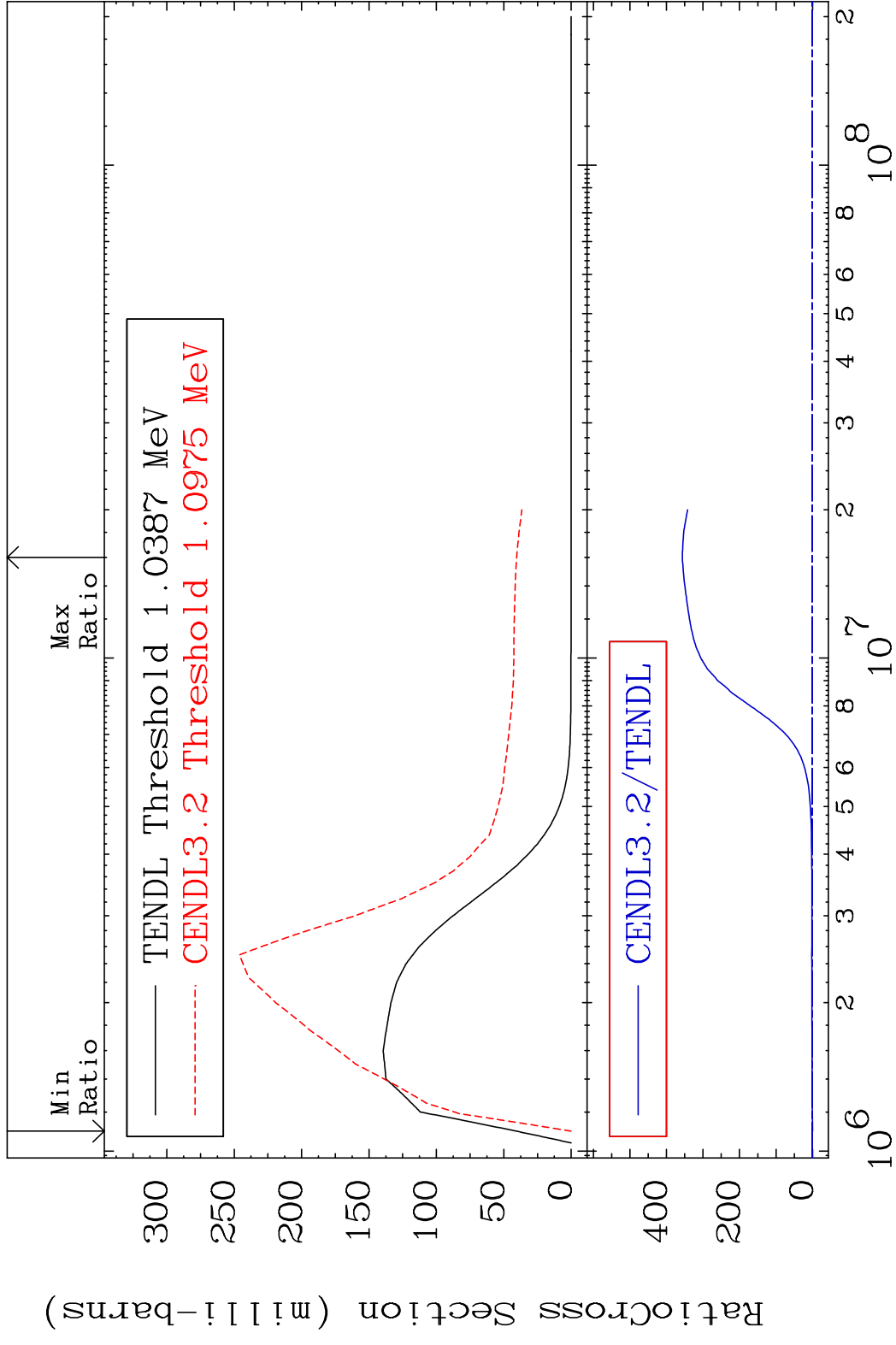
10 Incident Energy (eV) 51-Sb-123

MAT 5131 MT= 54 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 9999. %



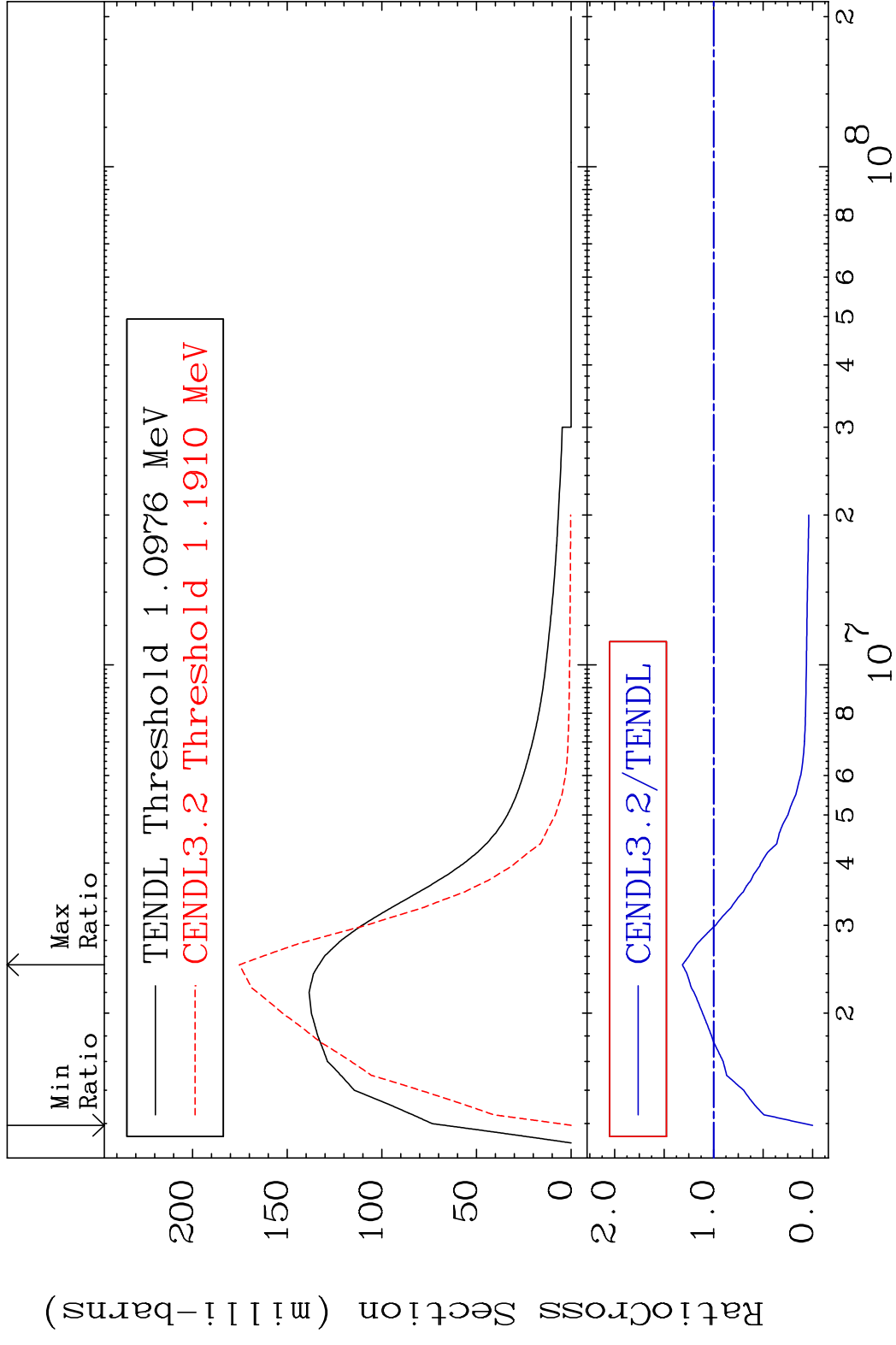
11 Incident Energy (eV) 51-Sb-123

MAT 5131 MT= 55 (n, n') Level 51-Sb-123
 Cross Section -100.0 To 9999. %



12 Incident Energy (eV) 51-Sb-123

MAT 5131 MT= 56 (n,n') Level 51-Sb-123
 Cross Section -100.0 To 31.53 %

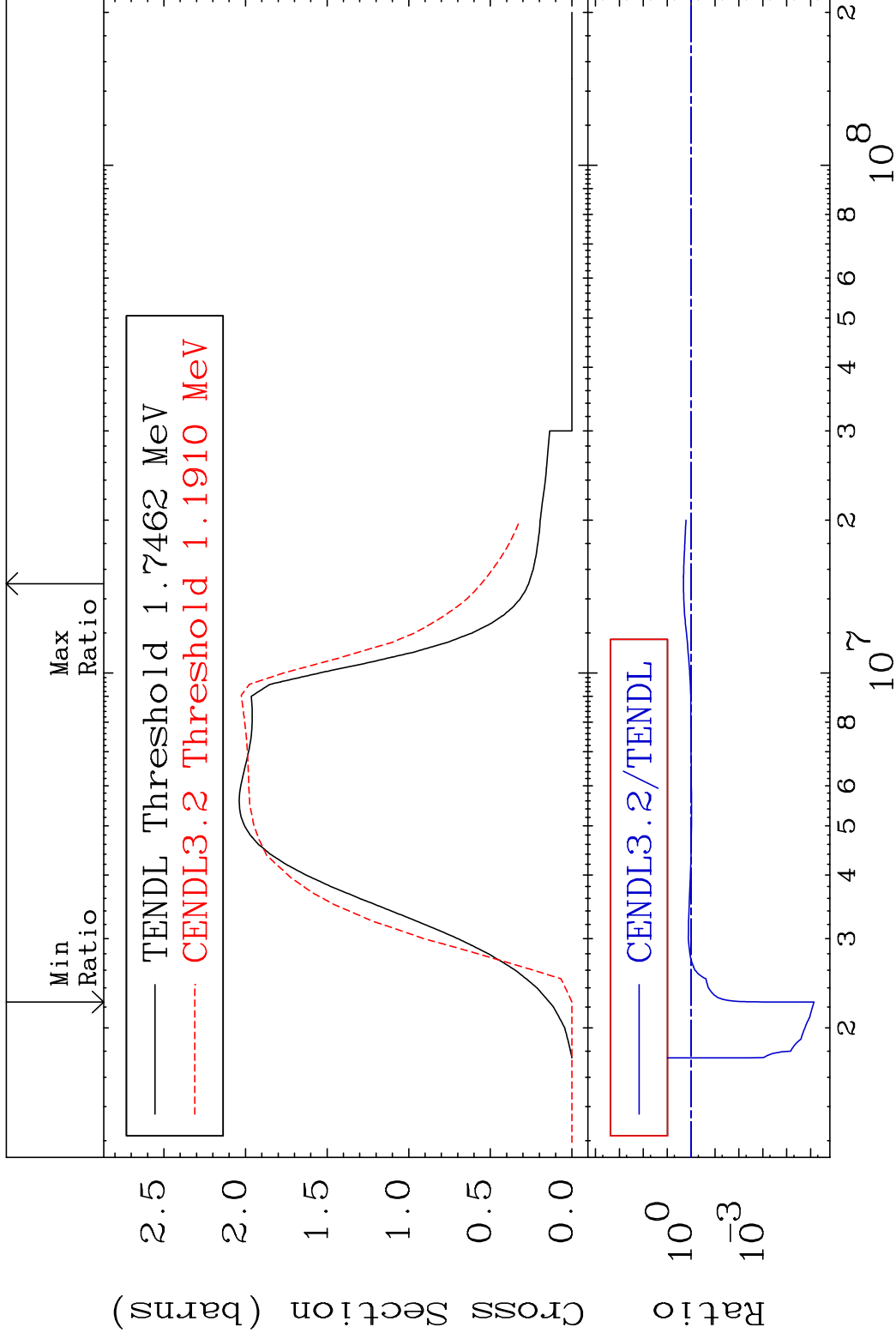


MAT 5131

(n, n') Continuum

51-Sb-123

Cross Section -100.0 To 109.2 %

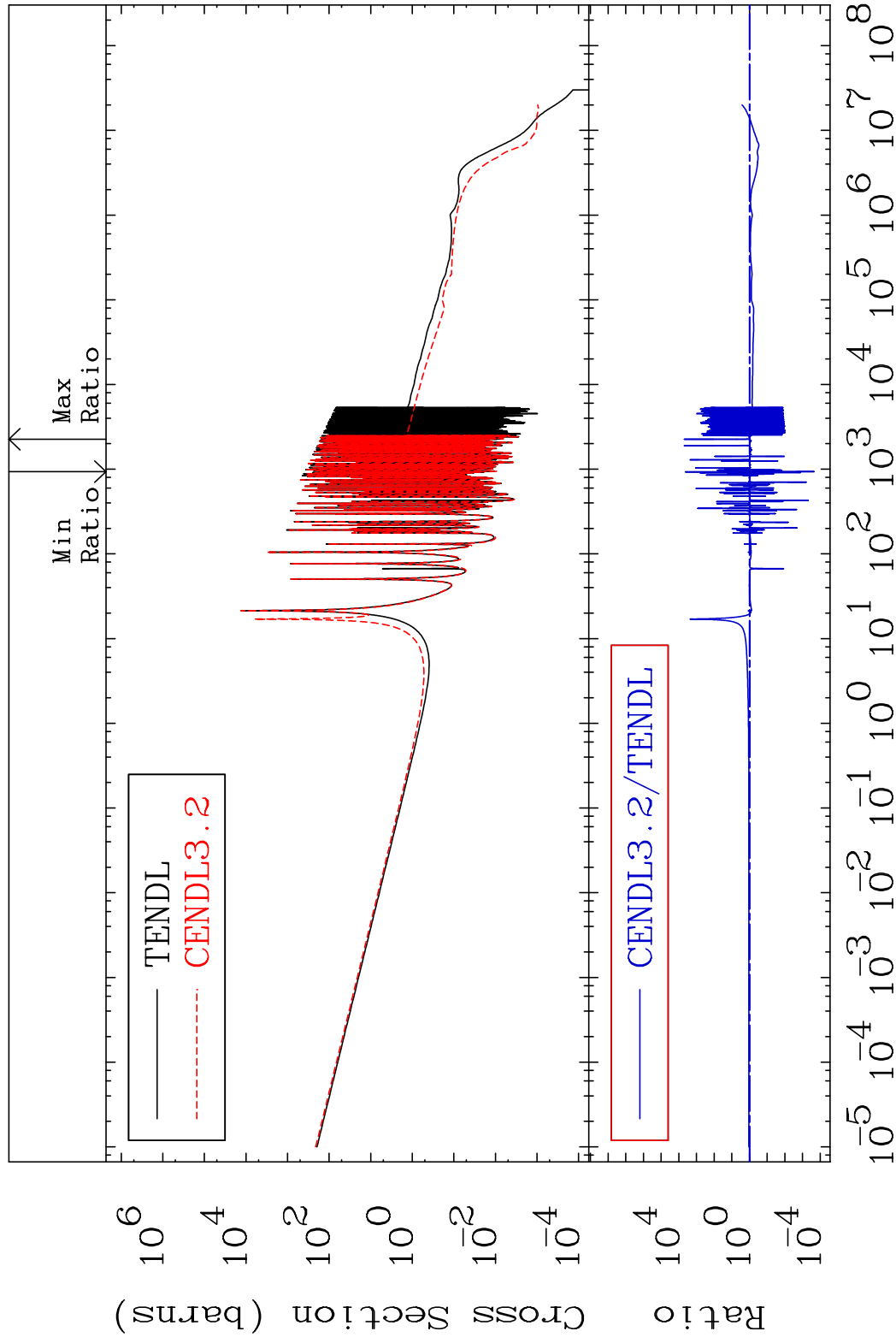


MAT 5131

(n, γ)

51-Sb-123

Cross Section -99.98 To 9999. %



15

Incident Energy (eV)

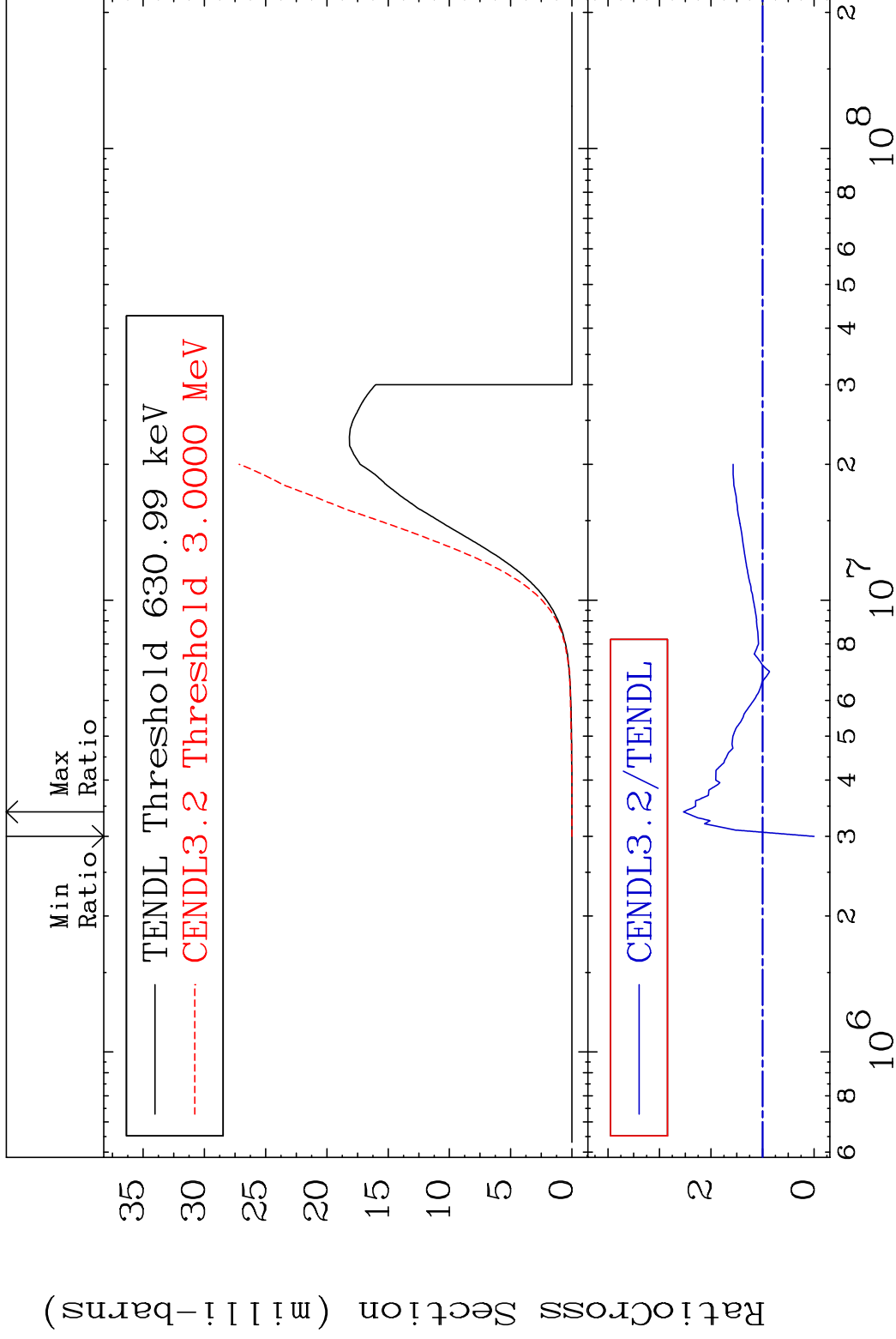
51-Sb-123

MAT 5131

(n, p)

51-Sb-123

Cross Section -100.0 To 153.5 %



16

Incident Energy (eV)

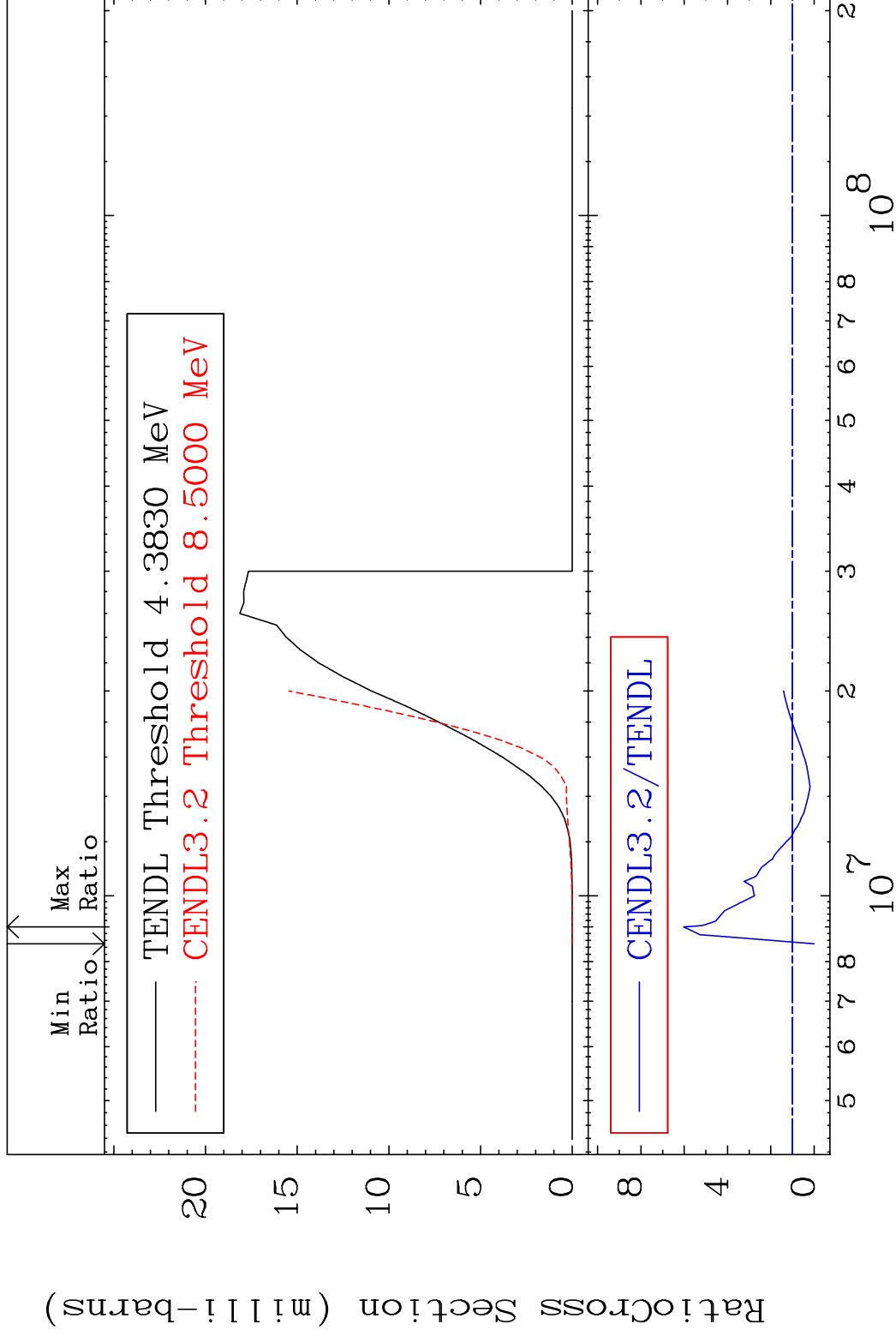
51-Sb-123

MAT 5131

(n,d)

51-Sb-123

Cross Section -100.0 To 502.7 %



17

Incident Energy (eV)

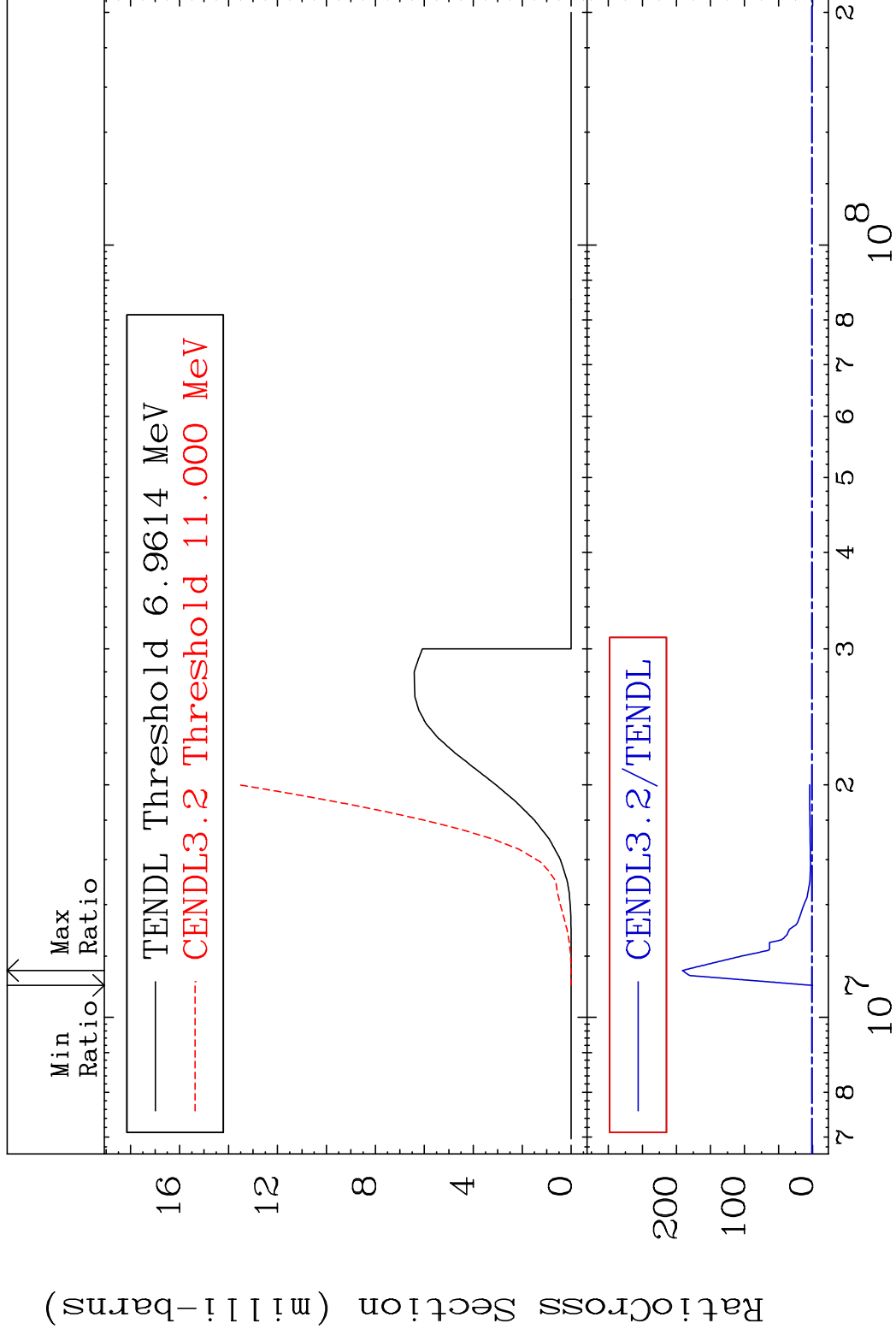
51-Sb-123

MAT 5131

(n, t)

51-Sb-123

Cross Section -100.0 To 9999. %



18

Incident Energy (eV)

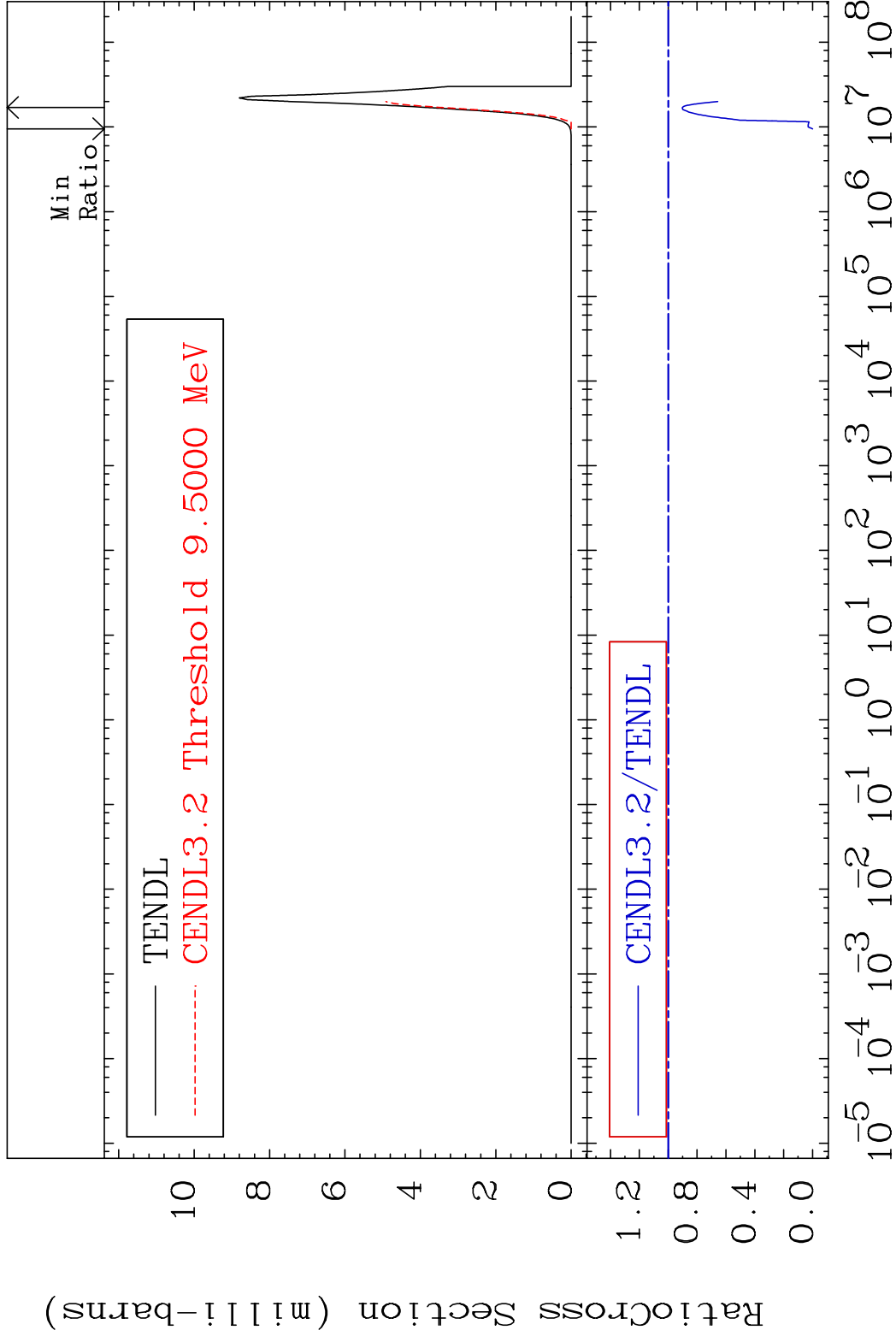
51-Sb-123

MAT 5131

(n, α)

51-Sb-123

Cross Section -100.0 To -9.786%

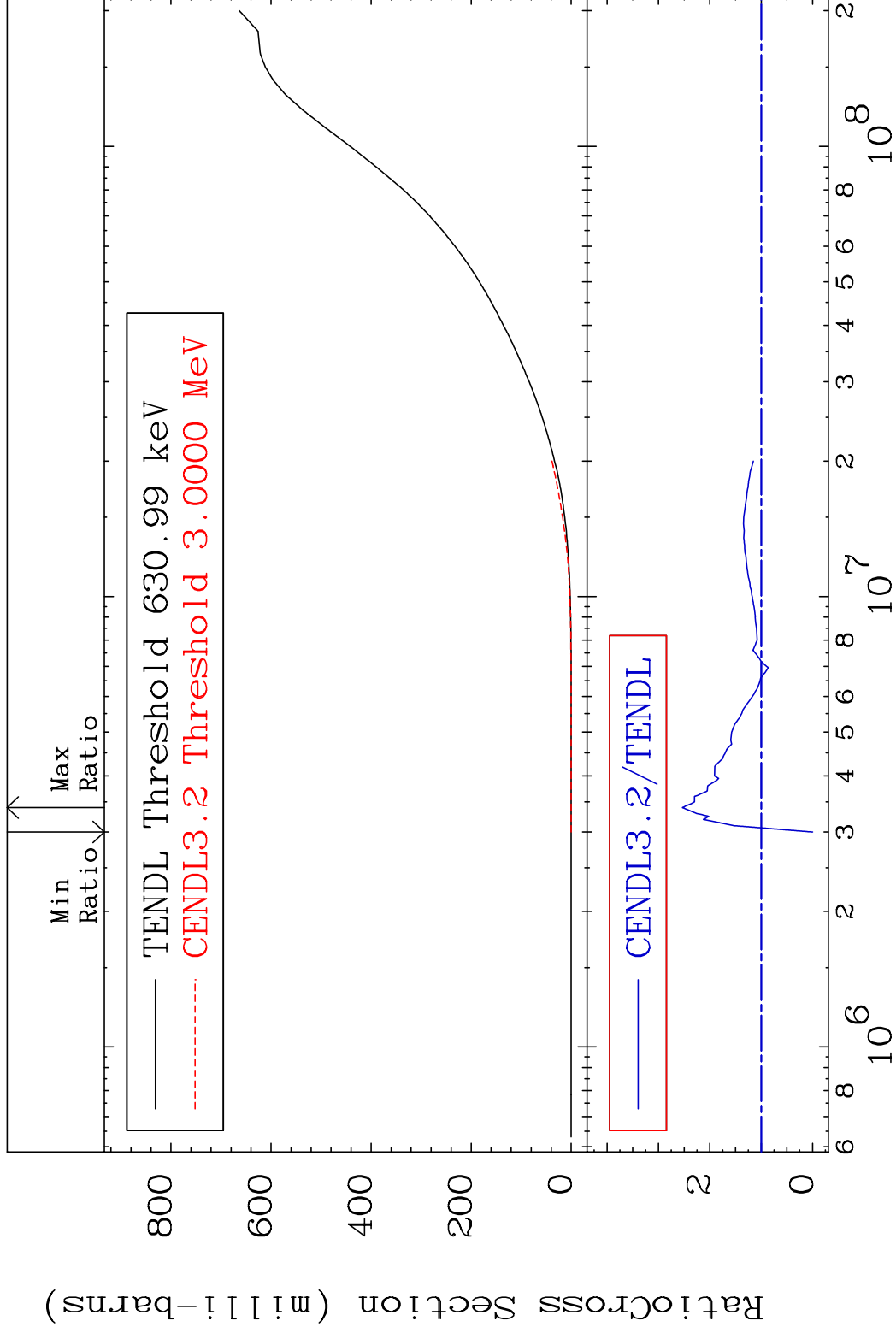


MAT 5131

Hydrogen Production

51-Sb-123

Cross Section -100.0 To 153.5 %



20

Incident Energy (eV)

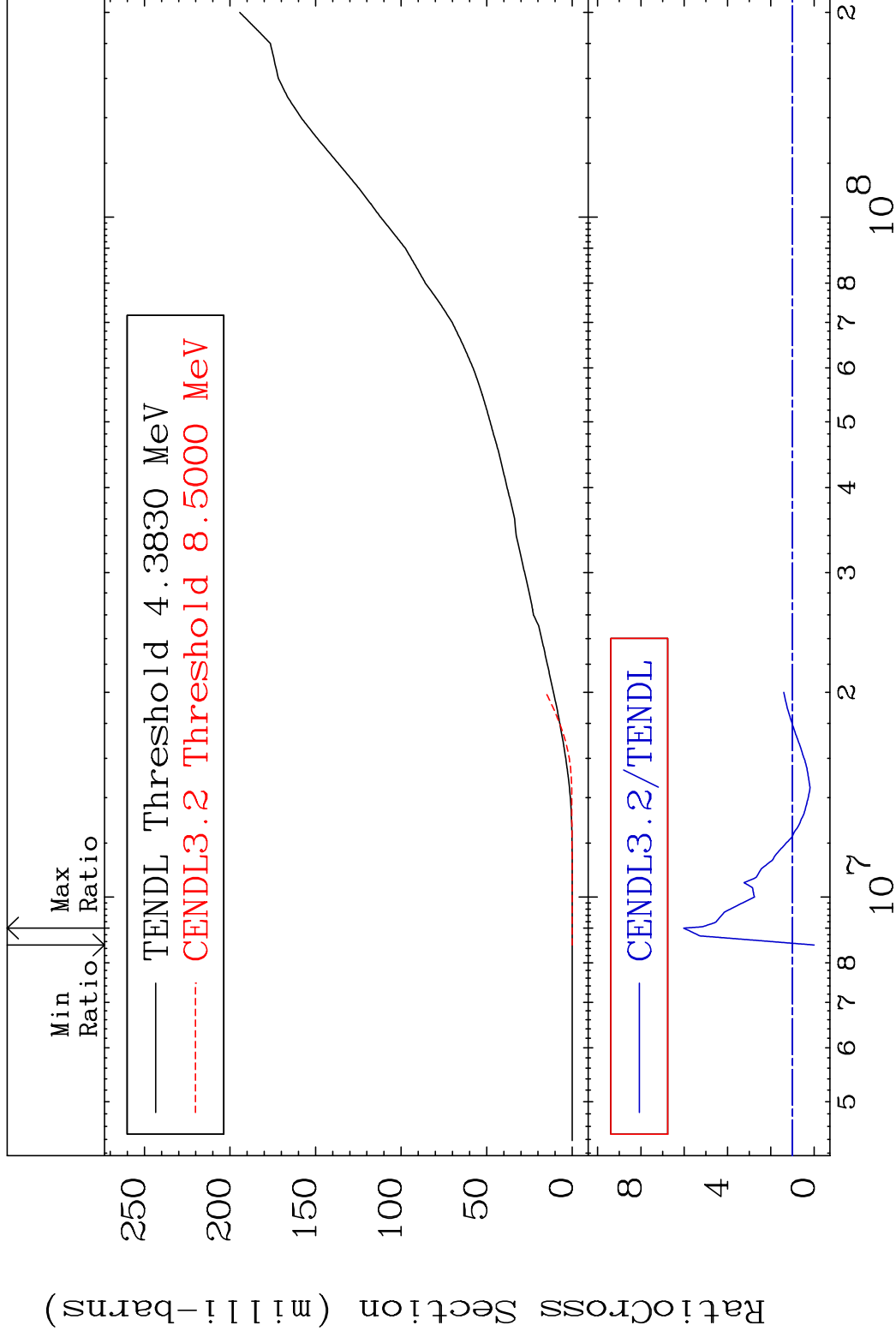
51-Sb-123

MAT 5131

Deuterium Production

51-Sb-123

Cross Section -100.0 To 502.7 %

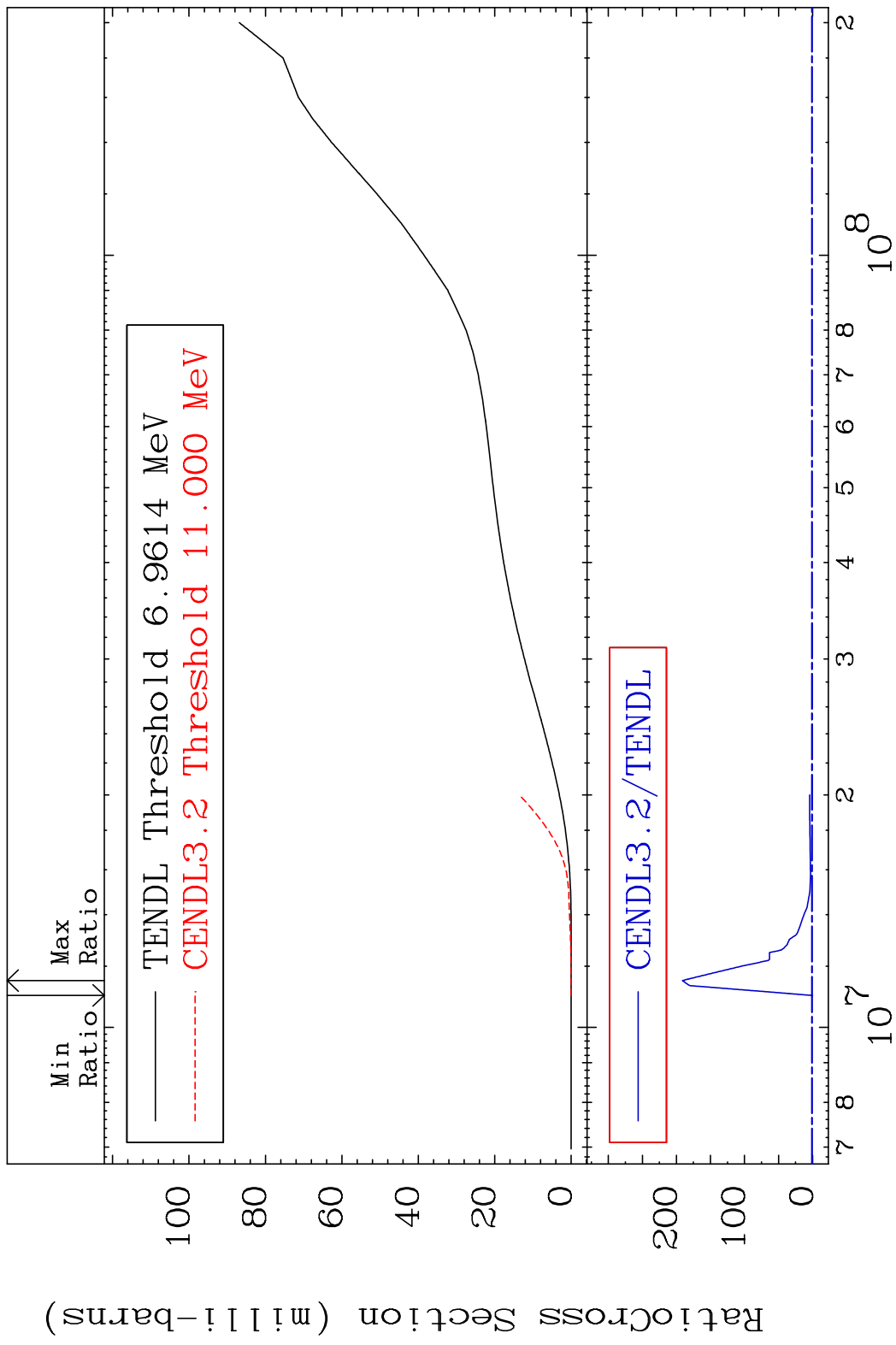


21

Incident Energy (eV)

51-Sb-123

MAT 5131 Tritium Production 51-Sb-123
 Cross Section -100.0 To 9999. %

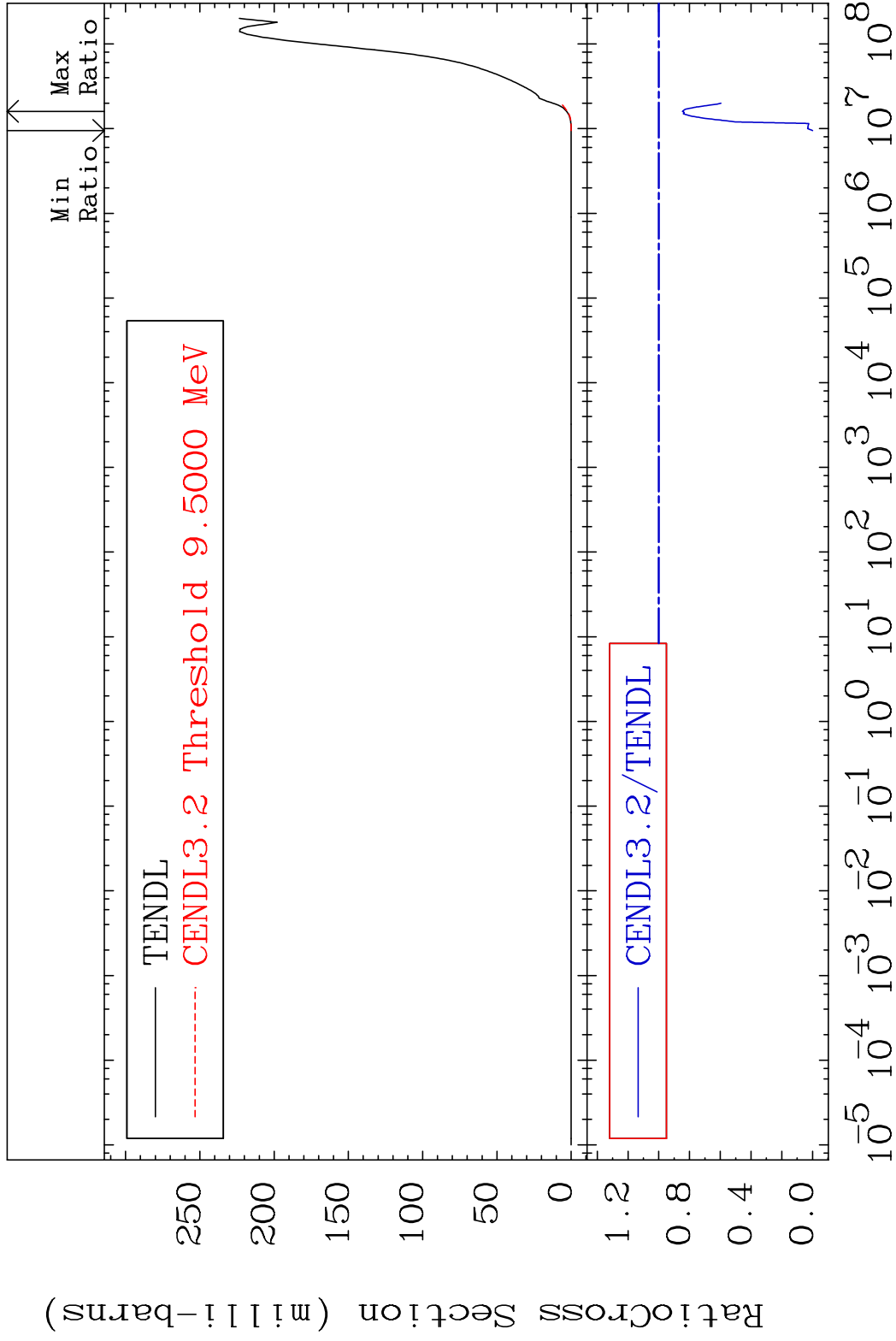


MAT 5131

He-4 Production

51-Sb-123

Cross Section -100.0 To -15.33%



23

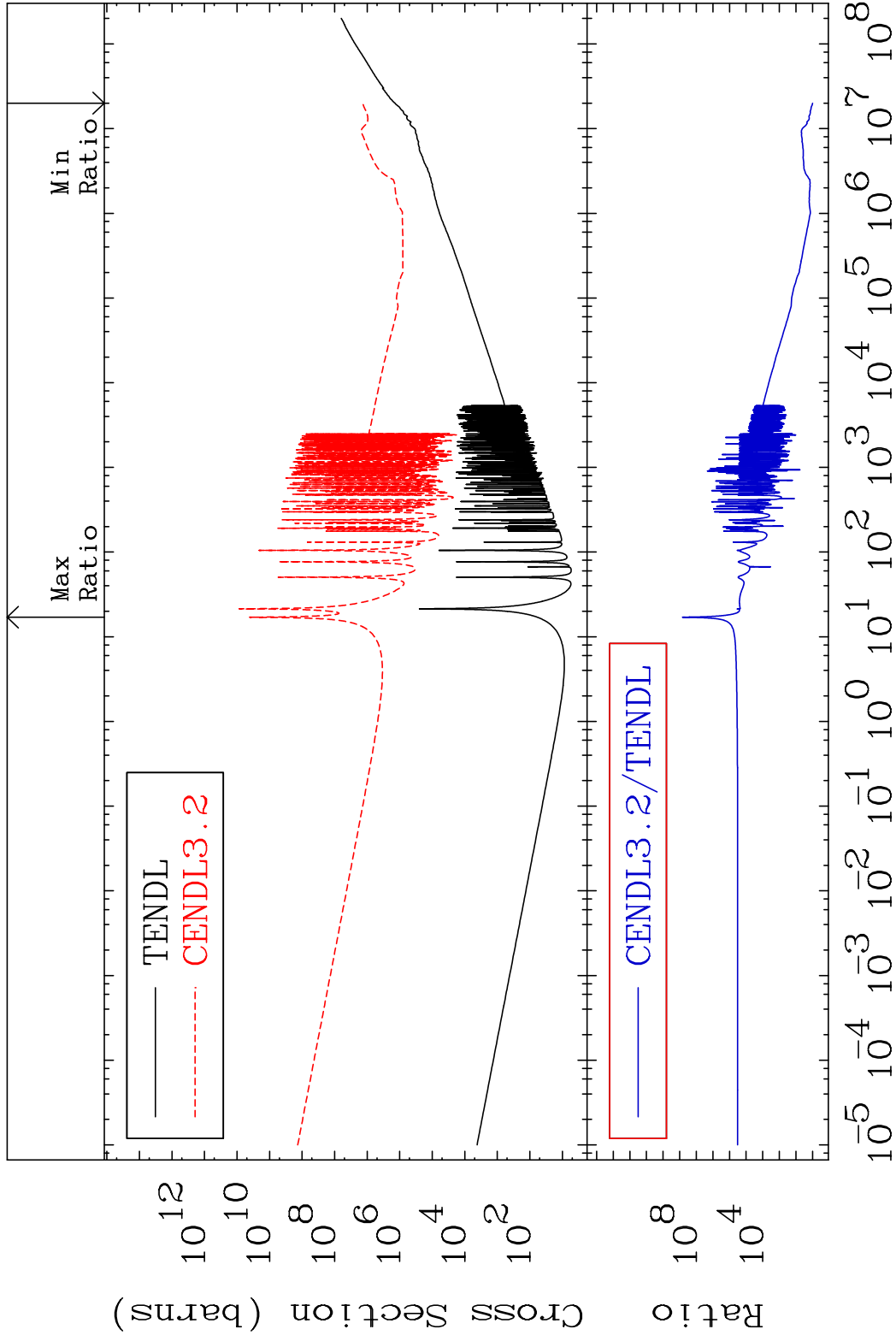
Incident Energy (eV)

51-Sb-123

MAT 5131

Kerma total (eV-barns) 51-Sb-123

Cross Section 897.6 To 9999. %

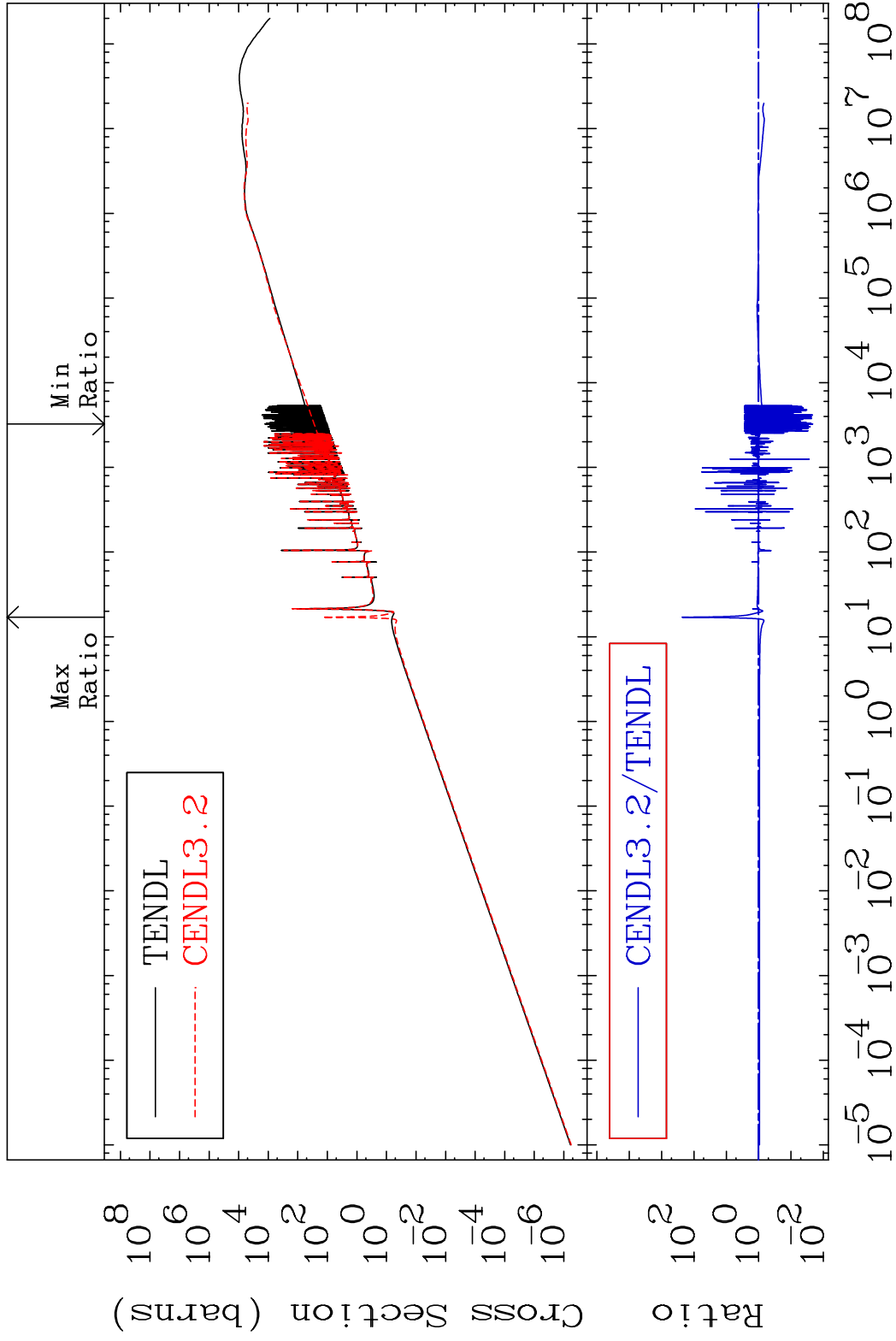


MAT 5131

Kerma elastic

51-Sb-123

Cross Section -97.84 To 9999. %

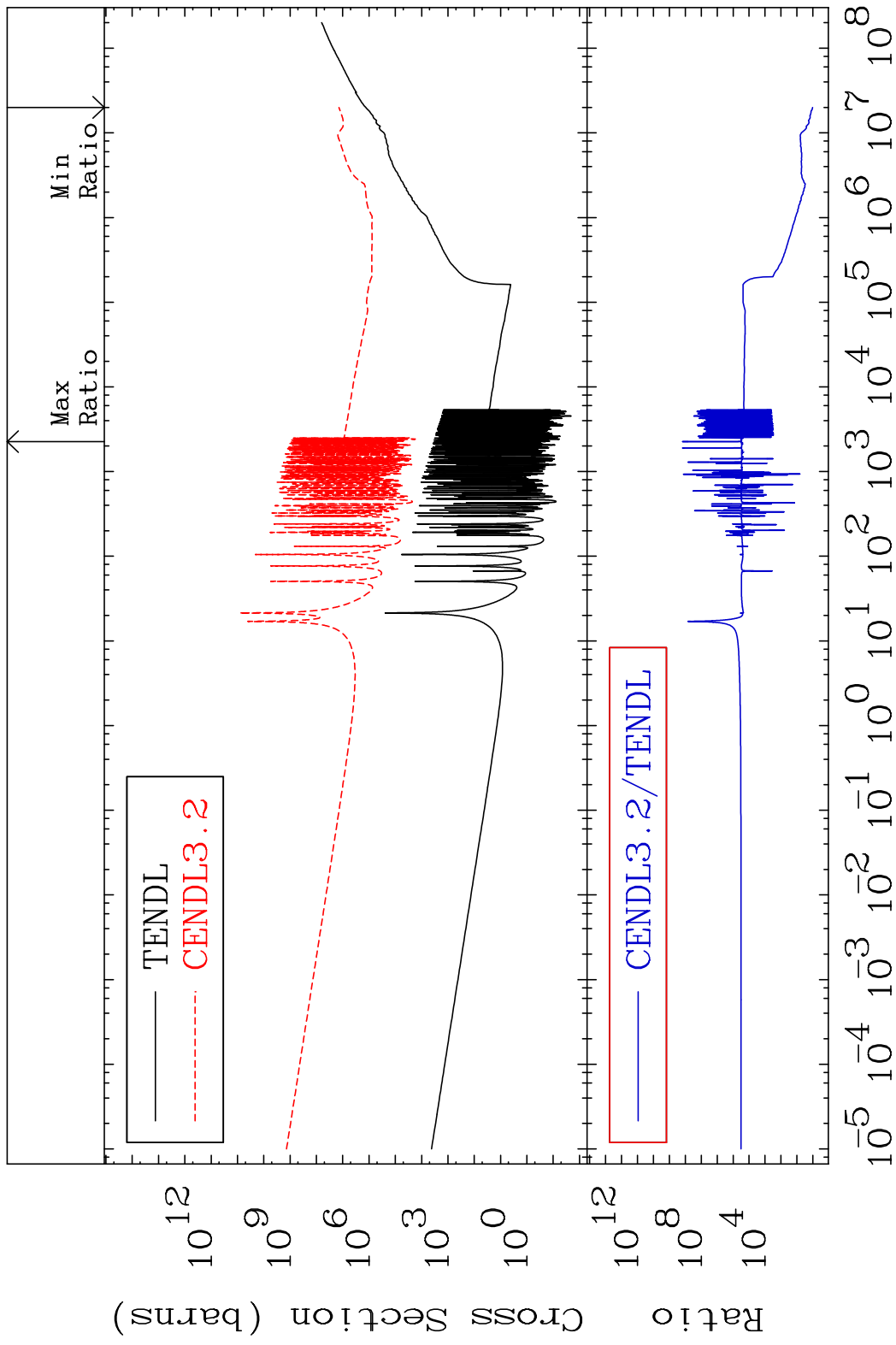


25

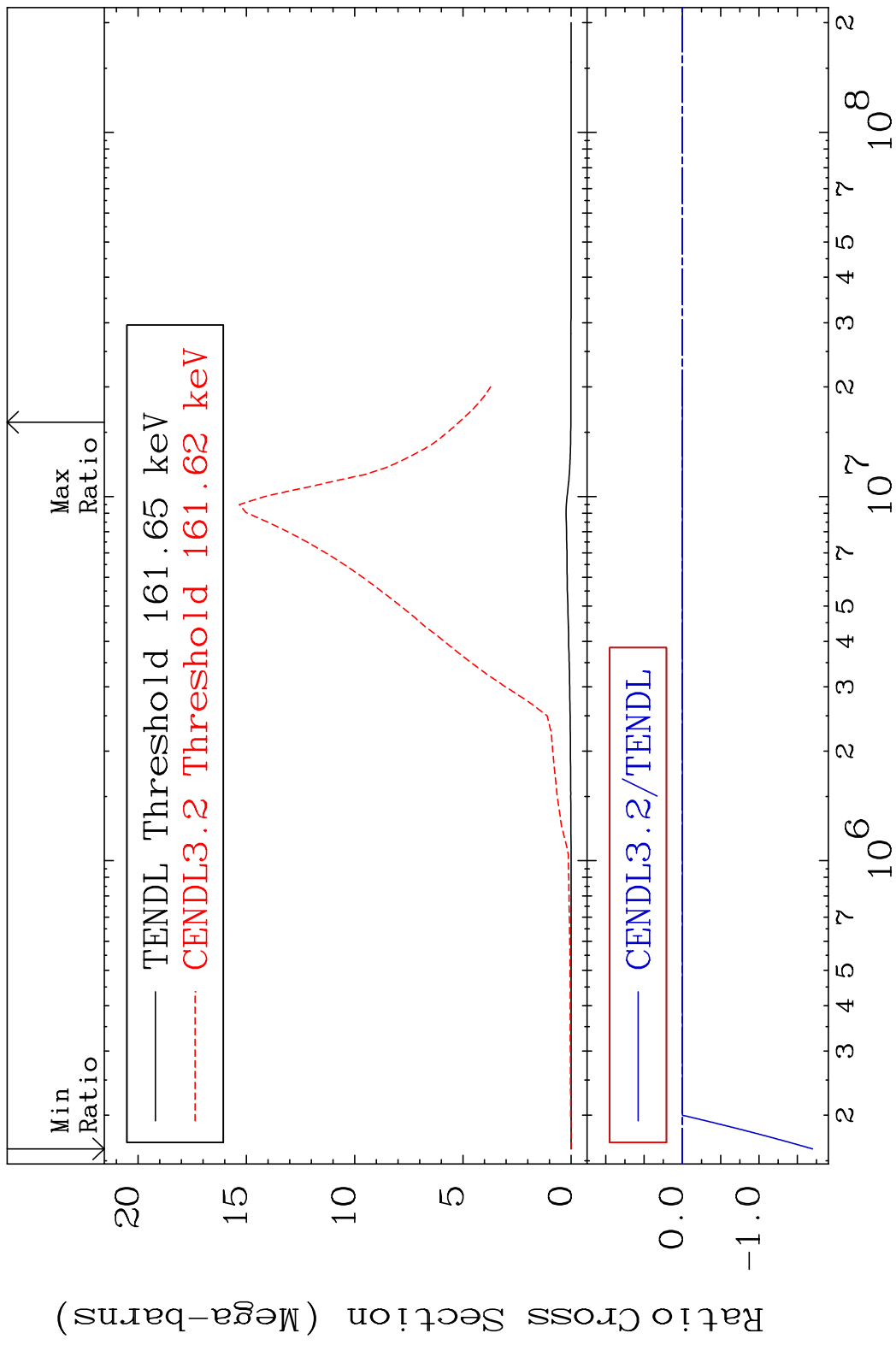
Incident Energy (eV)

51-Sb-123

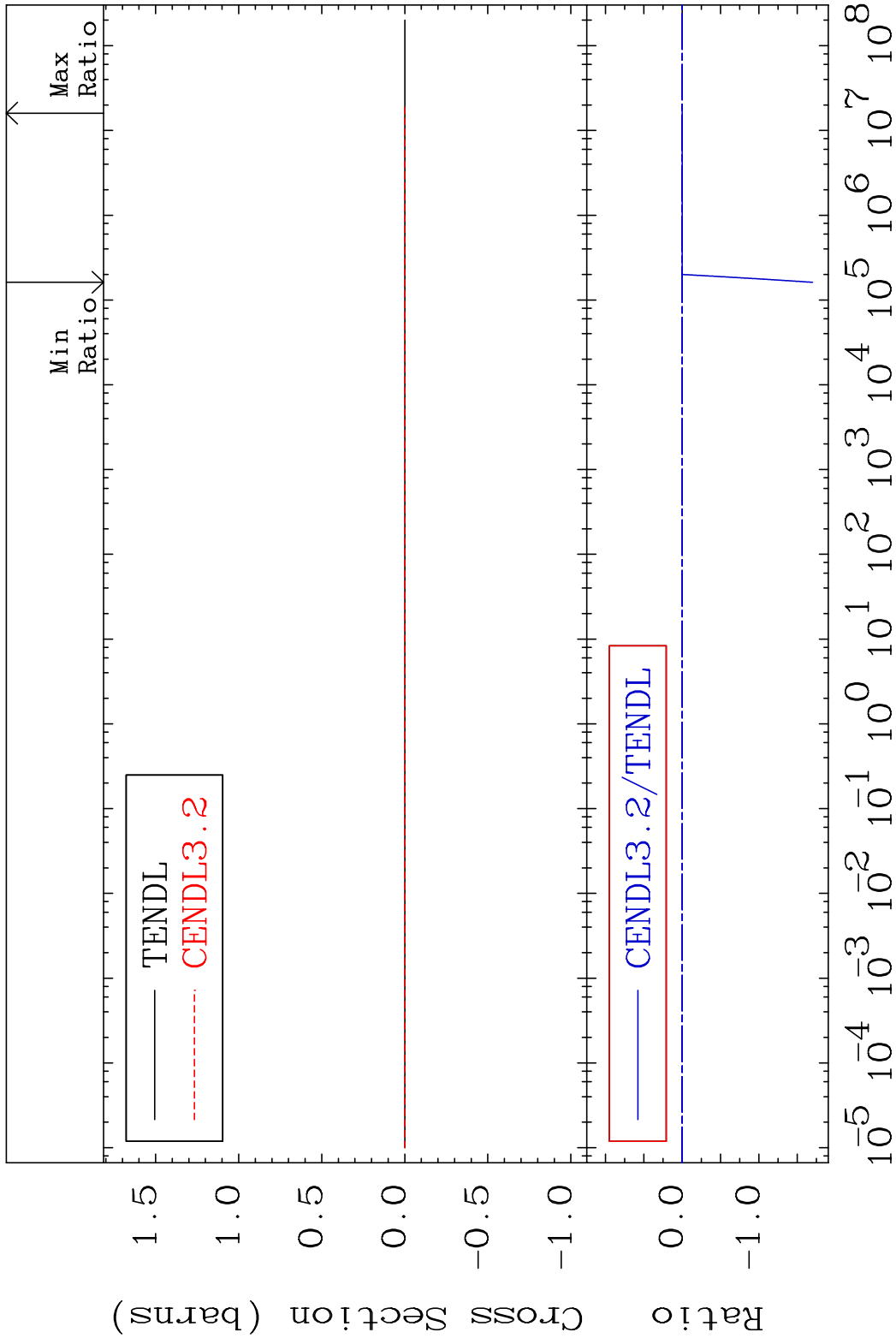
MAT 5131 Kerma non-elastic (all but mt2) 51-Sb-123
 Cross Section 949.8 To 9999. %



MAT 5131 Kerma inelastic (mt51-91) 51-Sb-123
 Cross Section -9999. To 9999. %

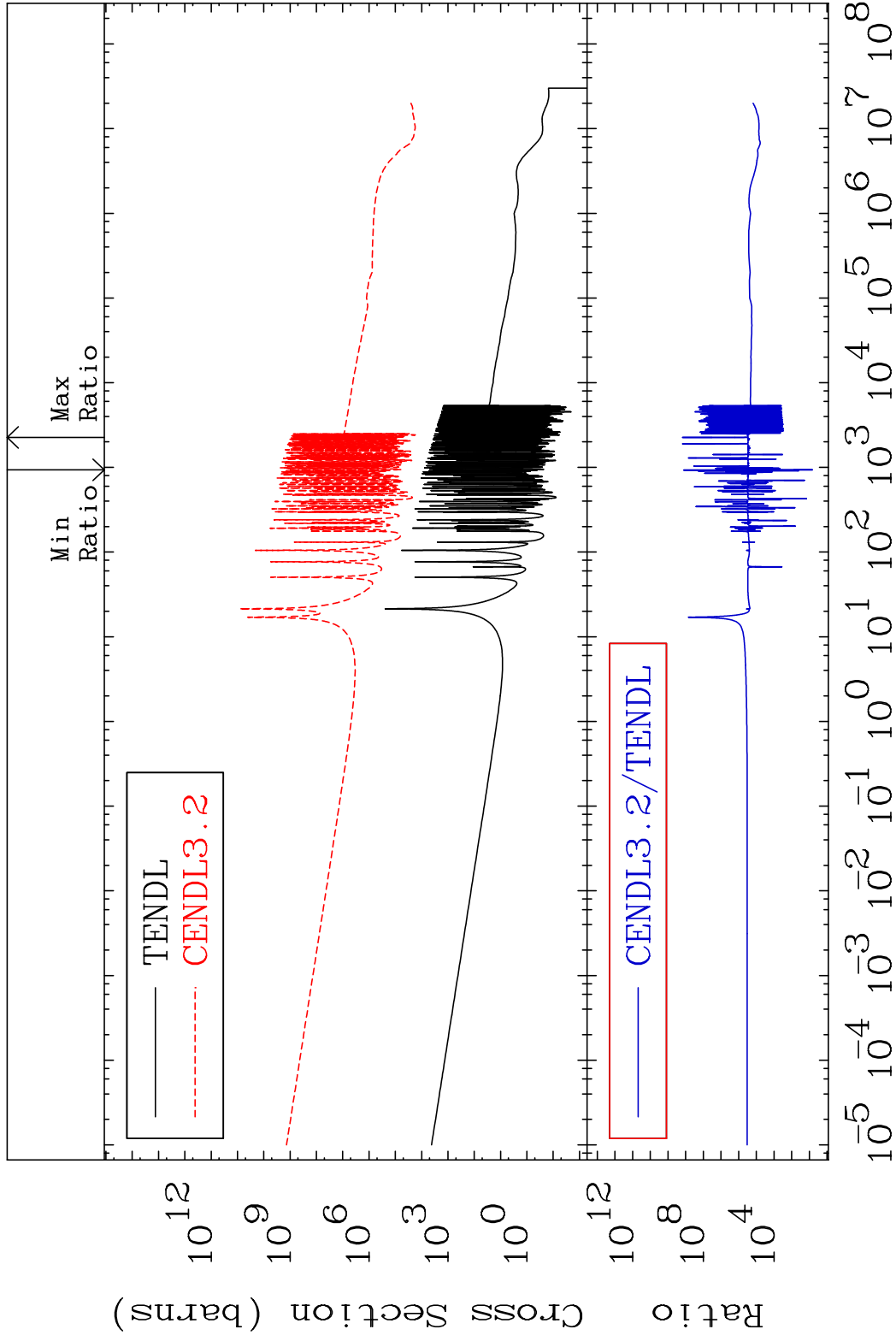


MAT 5131 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-123
 Cross Section -9999. To 9999. %



MAT 5131

Kerma capture (mt102) 51-Sb-123
Cross Section 6468. To 9999. %

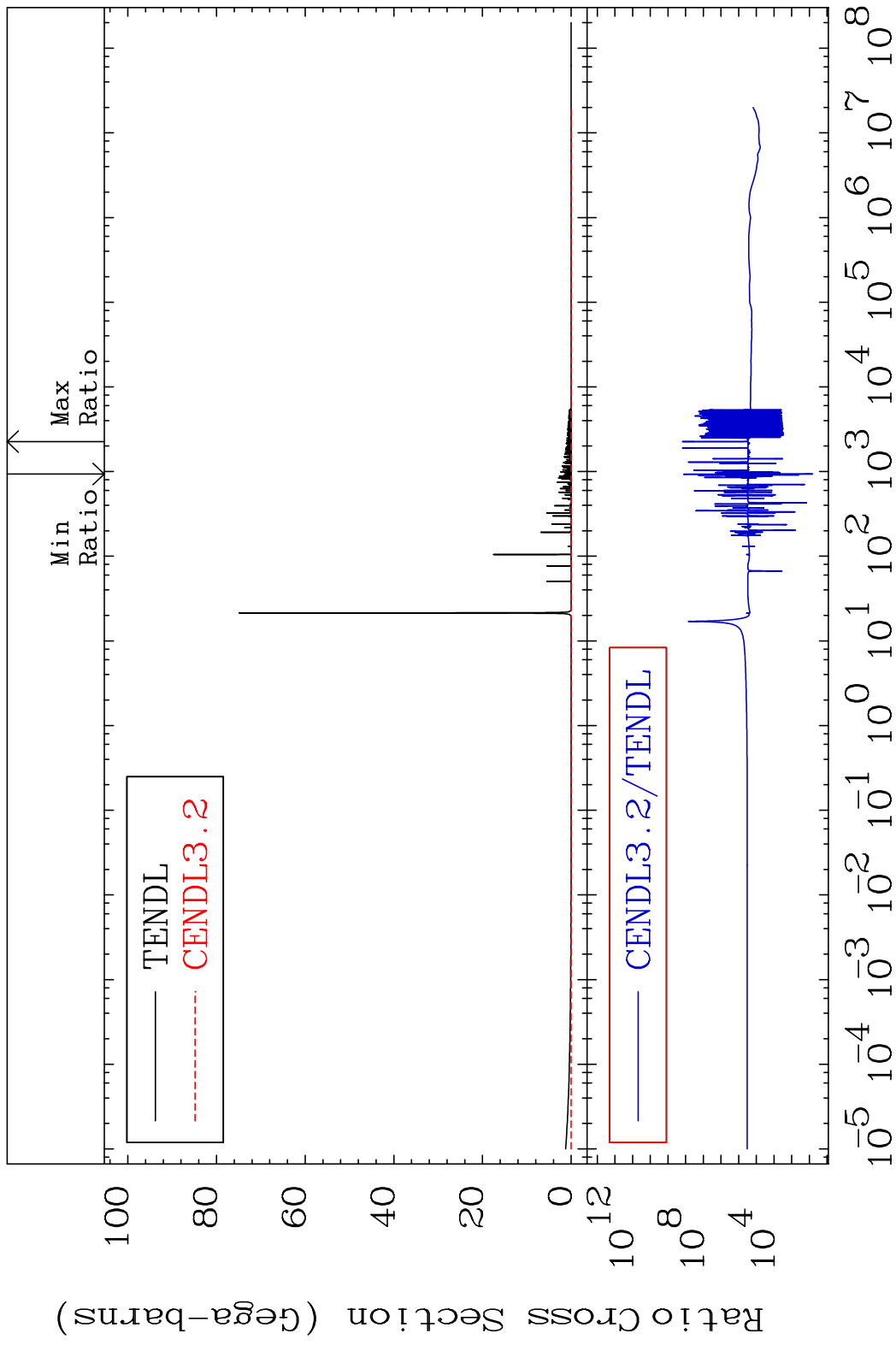


29

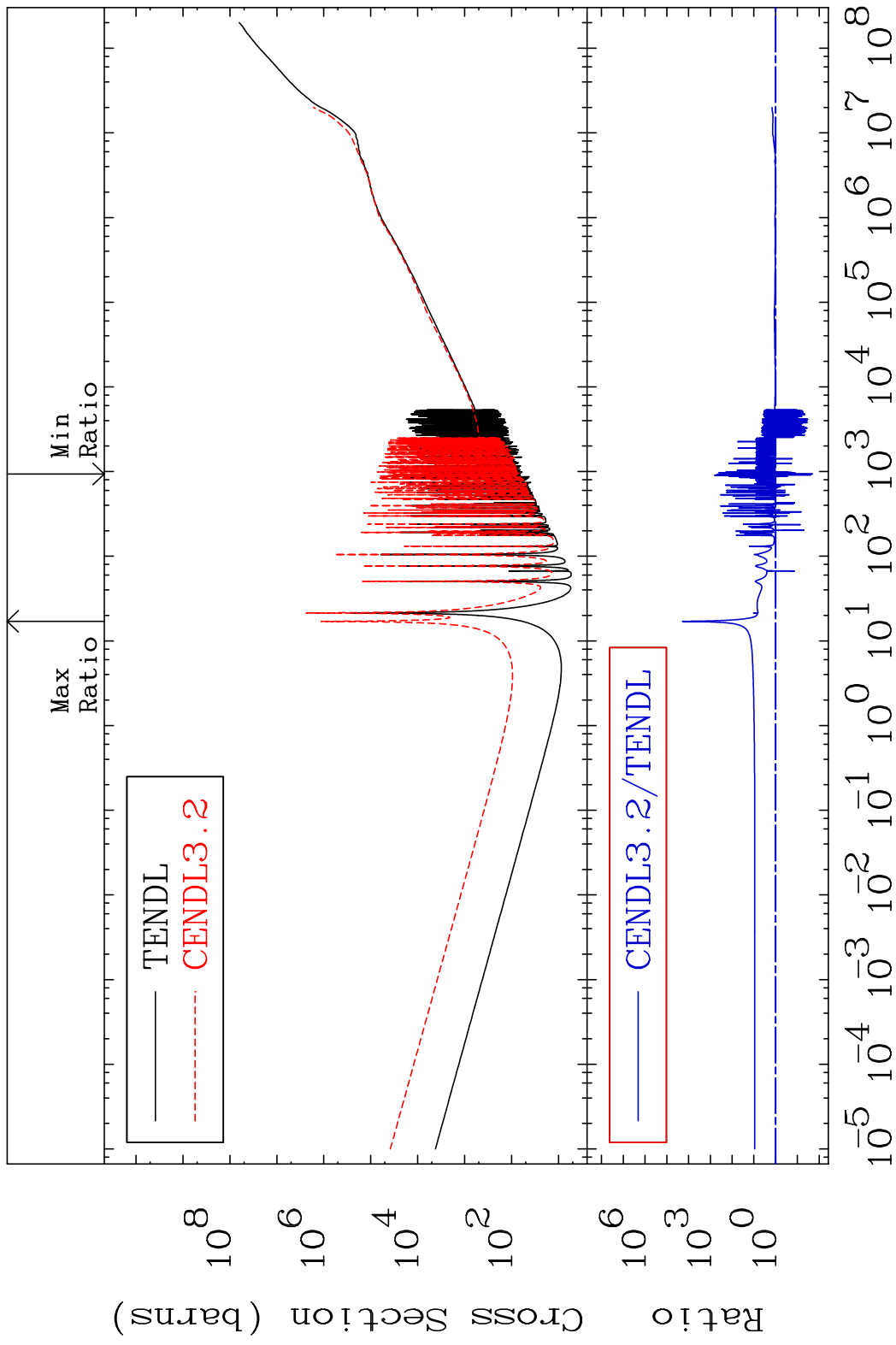
Incident Energy (eV)

51-Sb-123

MAT 5131 Total photon (eV-barns) 51-Sb-123
 Cross Section 6468. To 9999. %



MAT 5131 Total kinematic kerma (high limit) 51-Sb-123
 Cross Section -98.00 To 9999. %

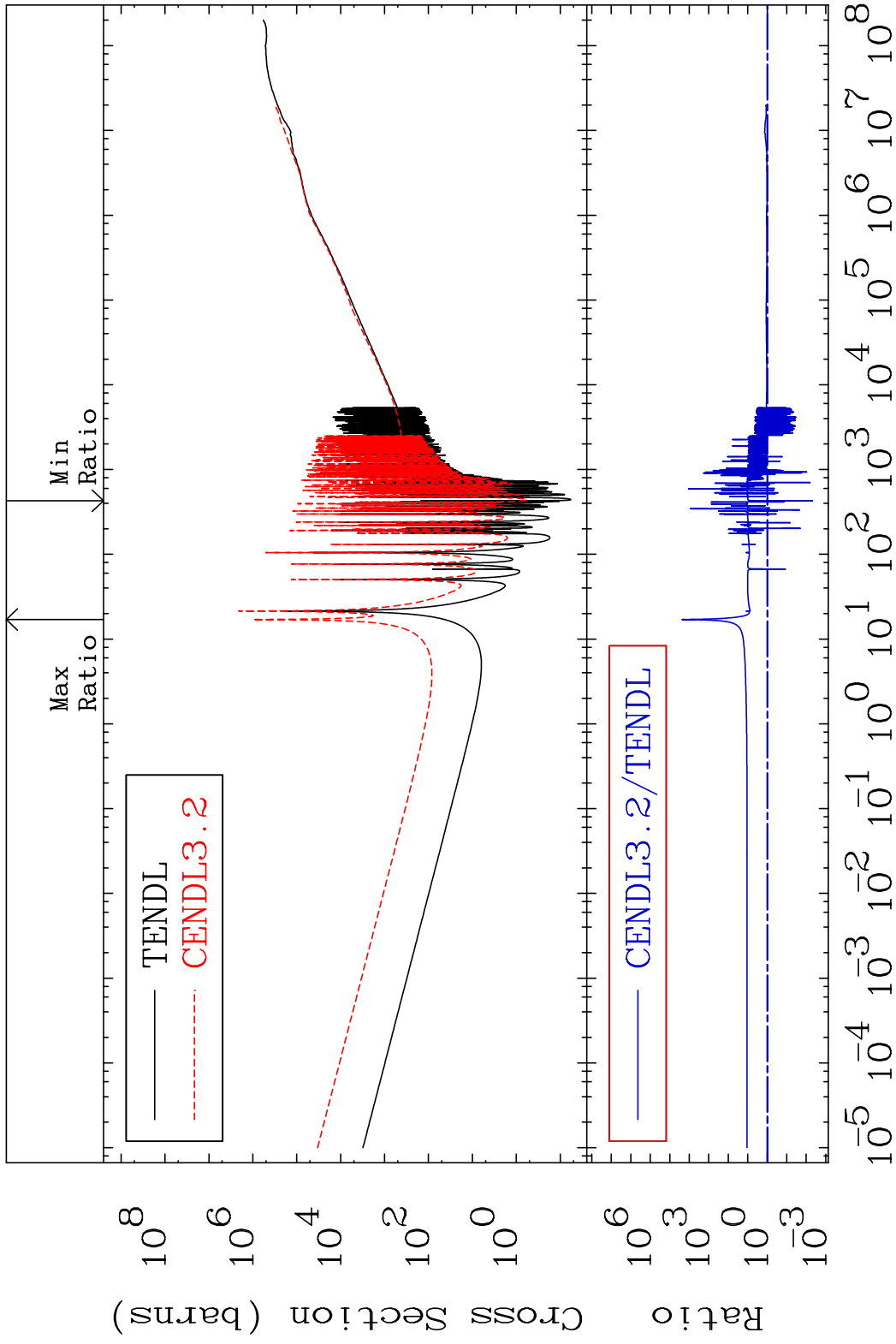


MAT 5131

Dpa total (eV-barns)

51-Sb-123

Cross Section -99.52 To 9999. %



32

Incident Energy (eV)

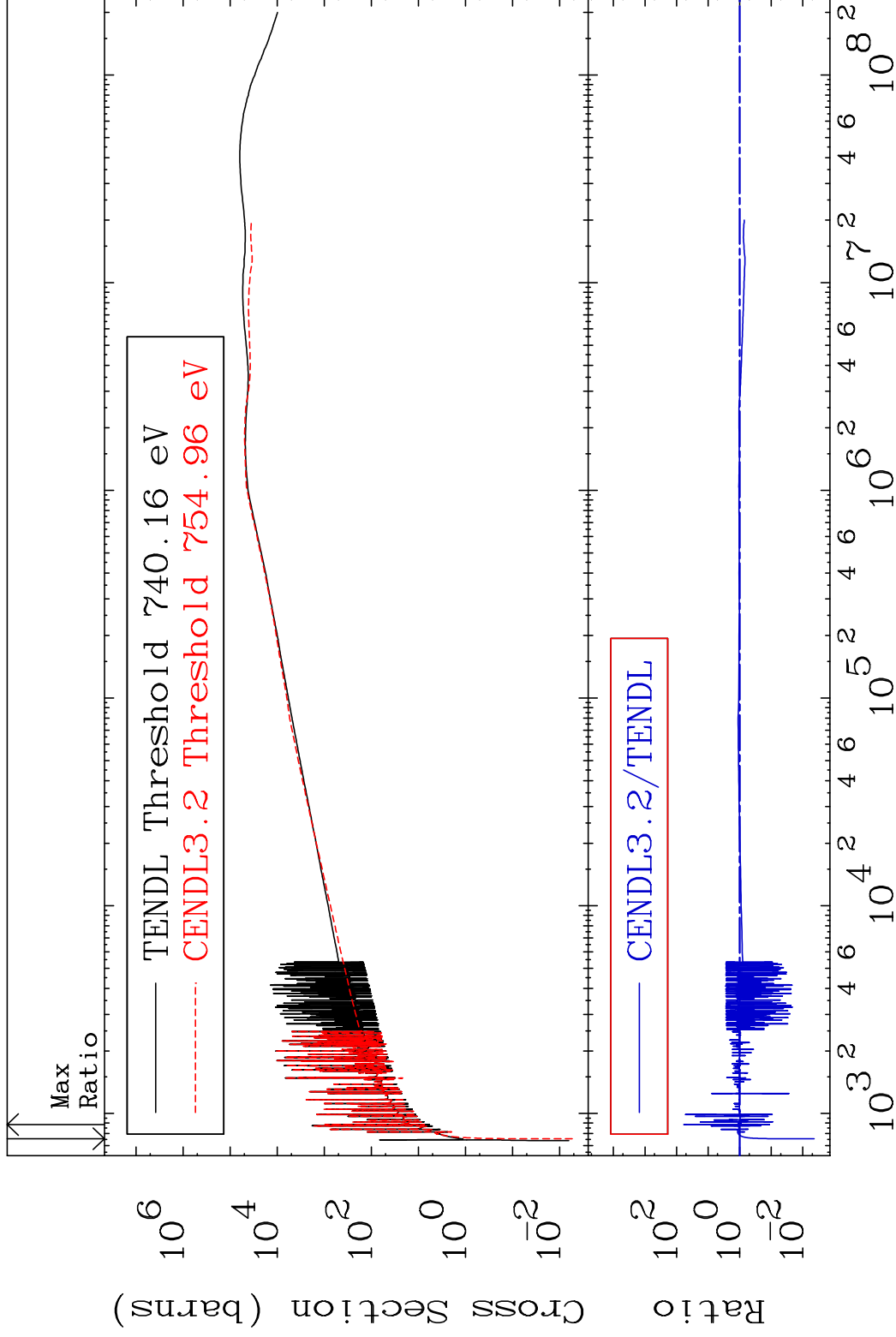
51-Sb-123

MAT 5131

Dpa elastic (mt2)

51-Sb-123

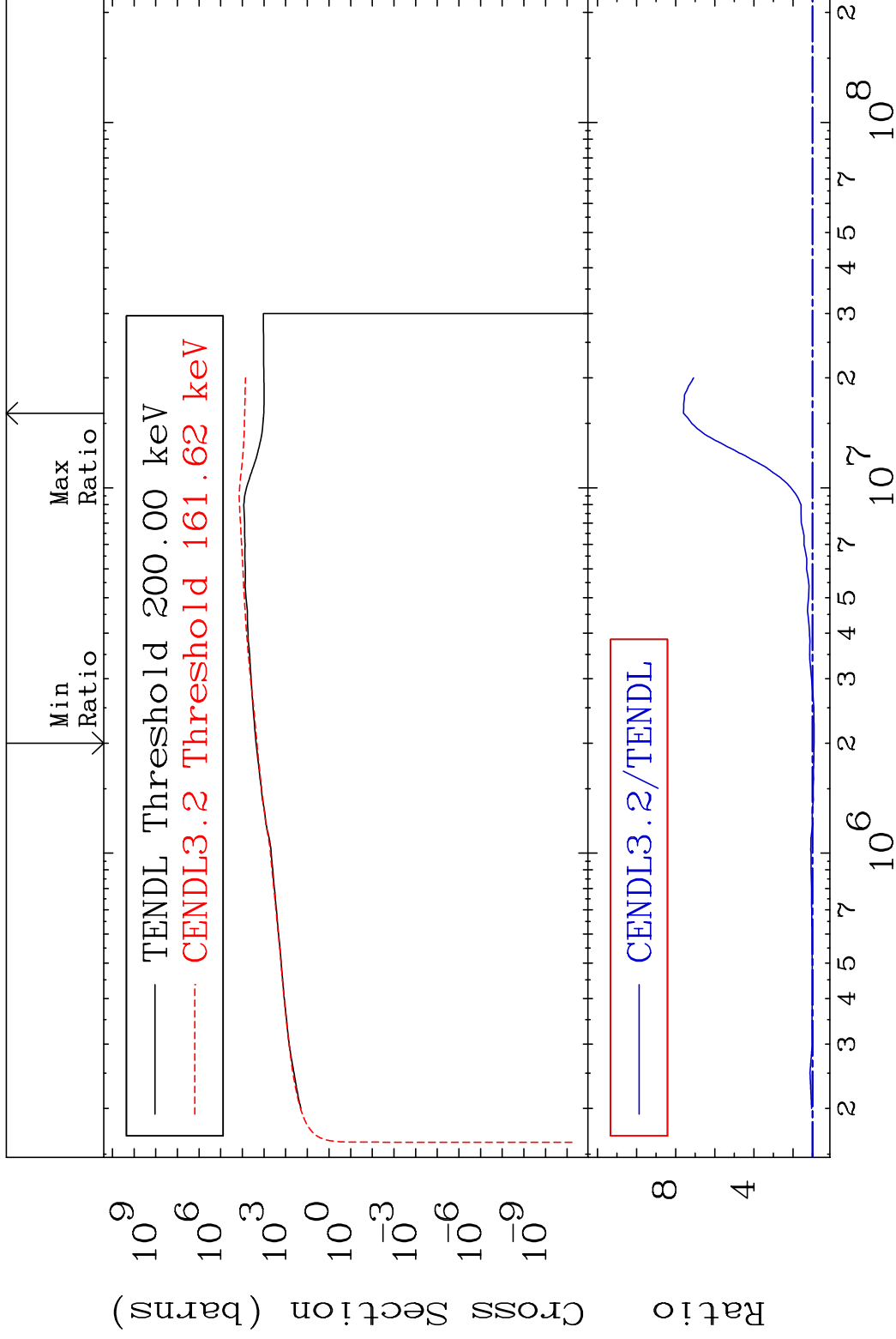
Cross Section -99.56 To 5851. %



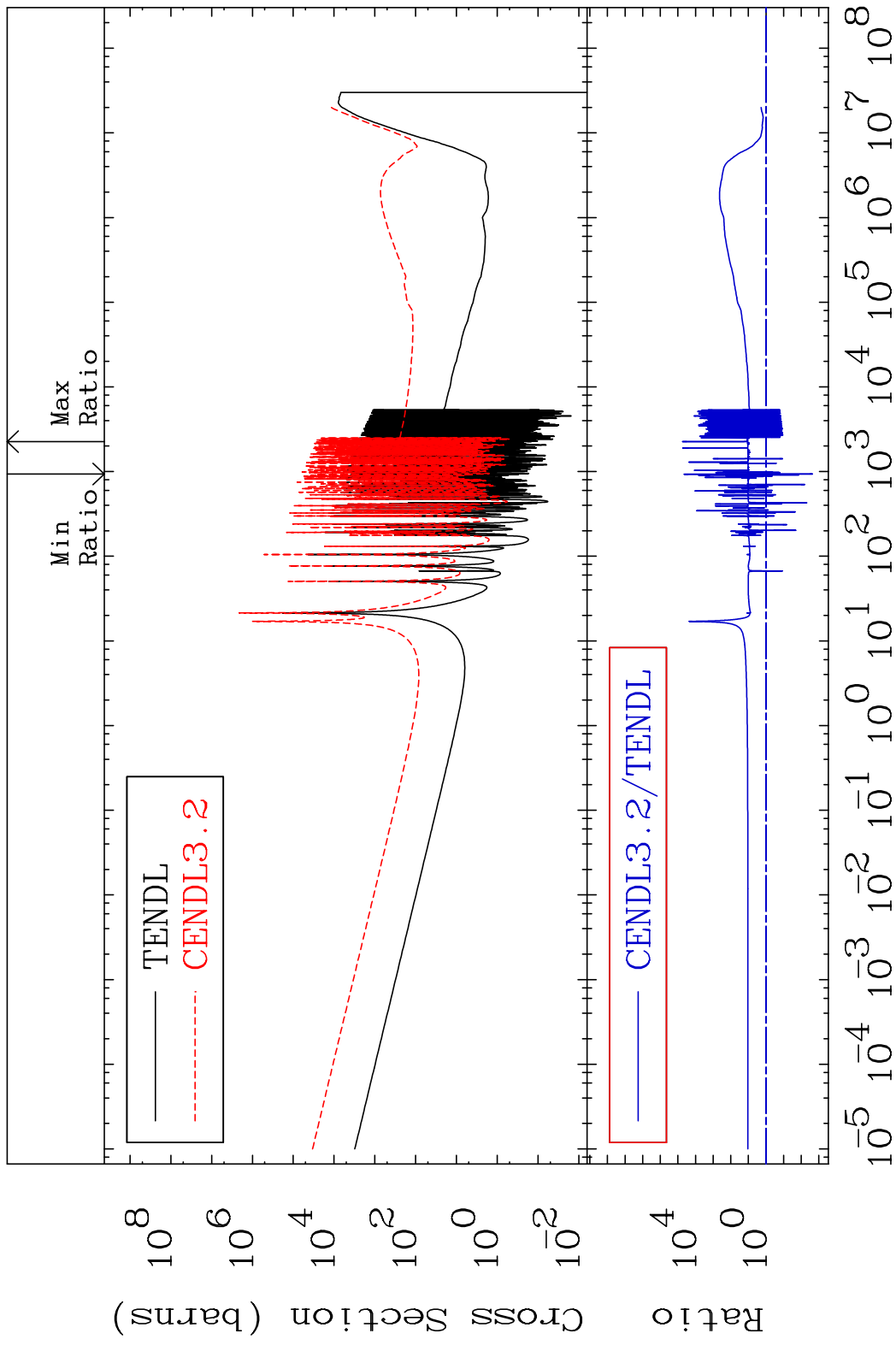
33

Incident Energy (eV)

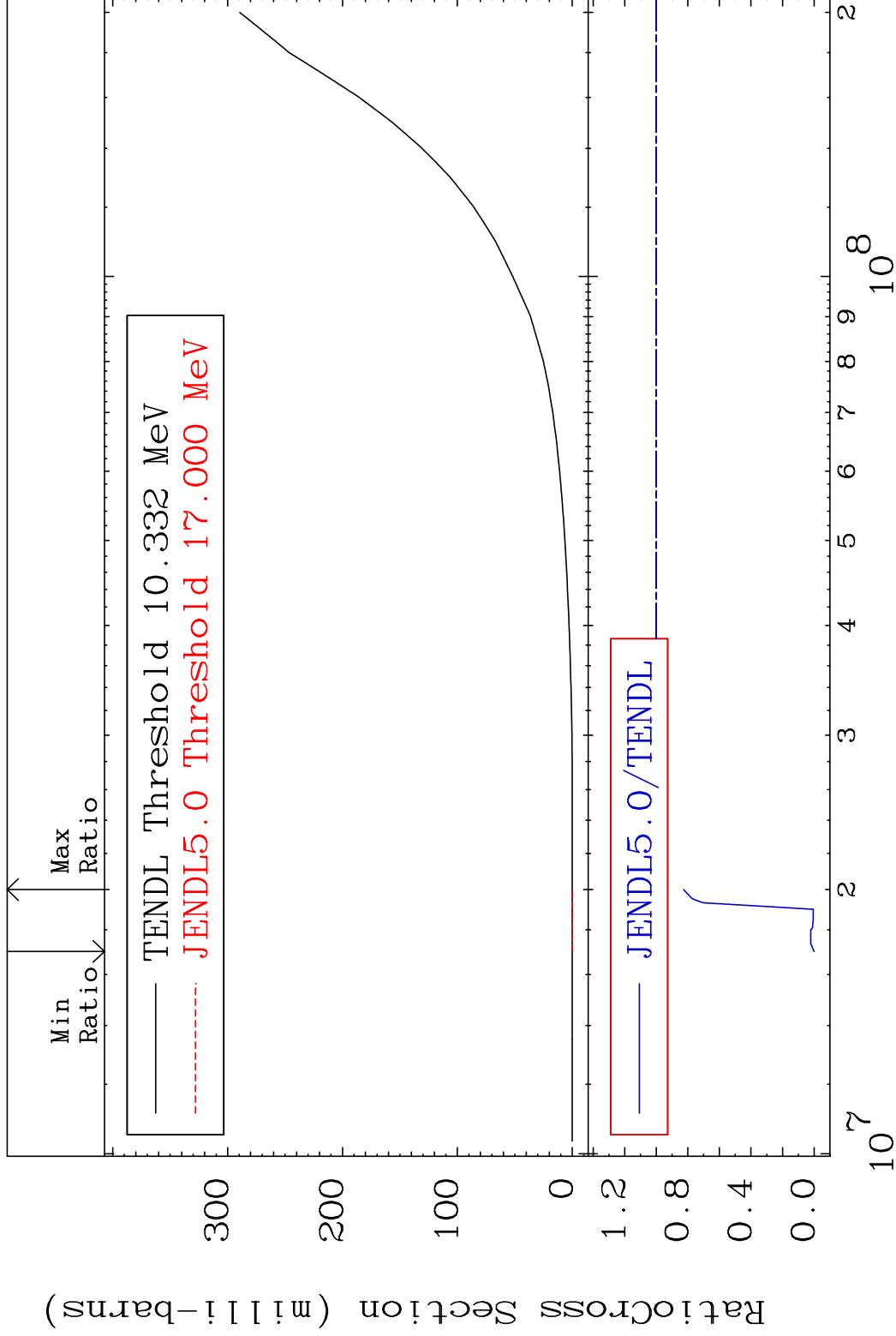
51-Sb-123



MAT 5131 Dpa disappearance (mt102 -120) 51-Sb-123
 Cross Section -99.77 To 9999. %



Cross Section -100.0 To -17.35%

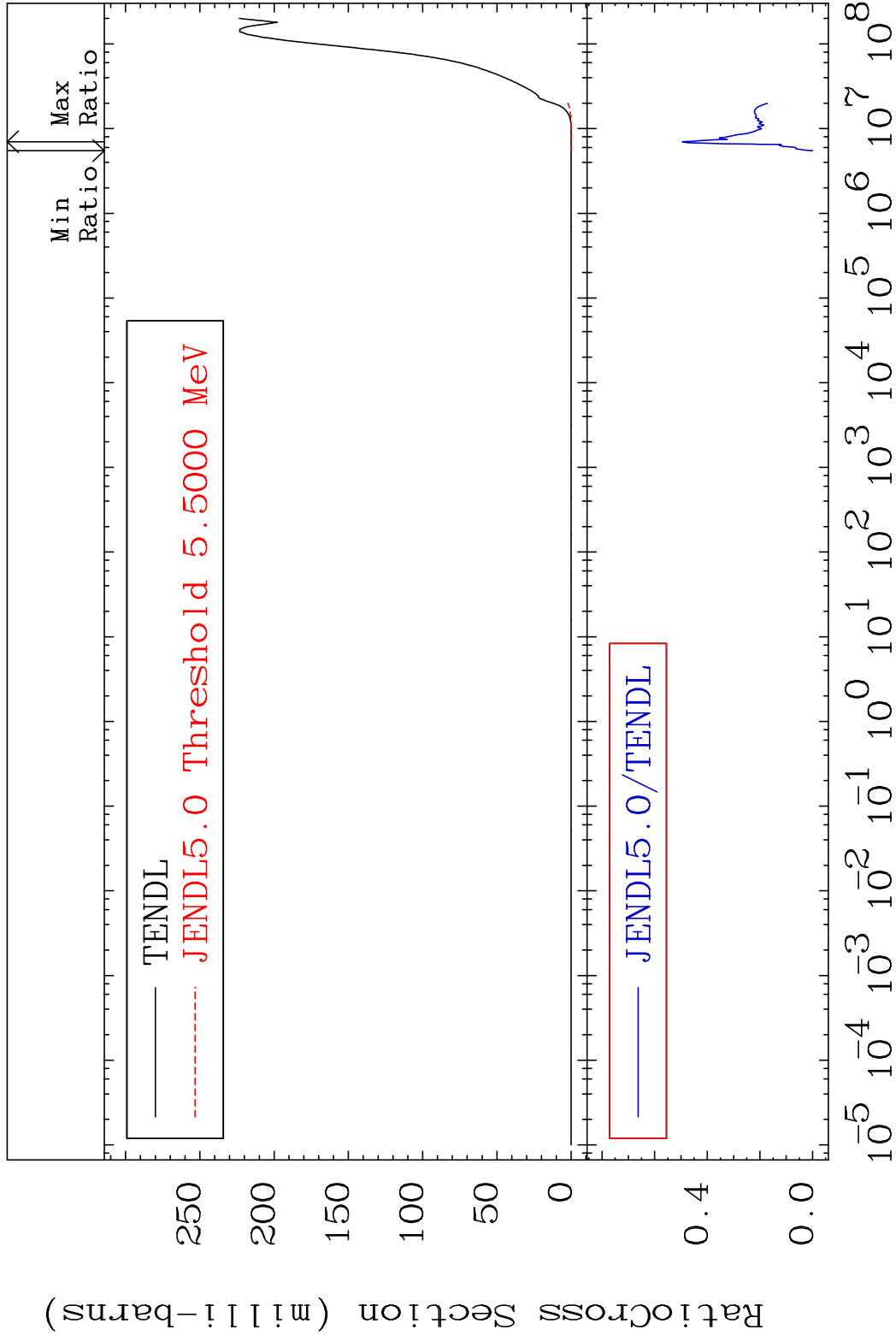


MAT 5131

He-4 Production

51-Sb-123

Cross Section -100.0 To -50.53%

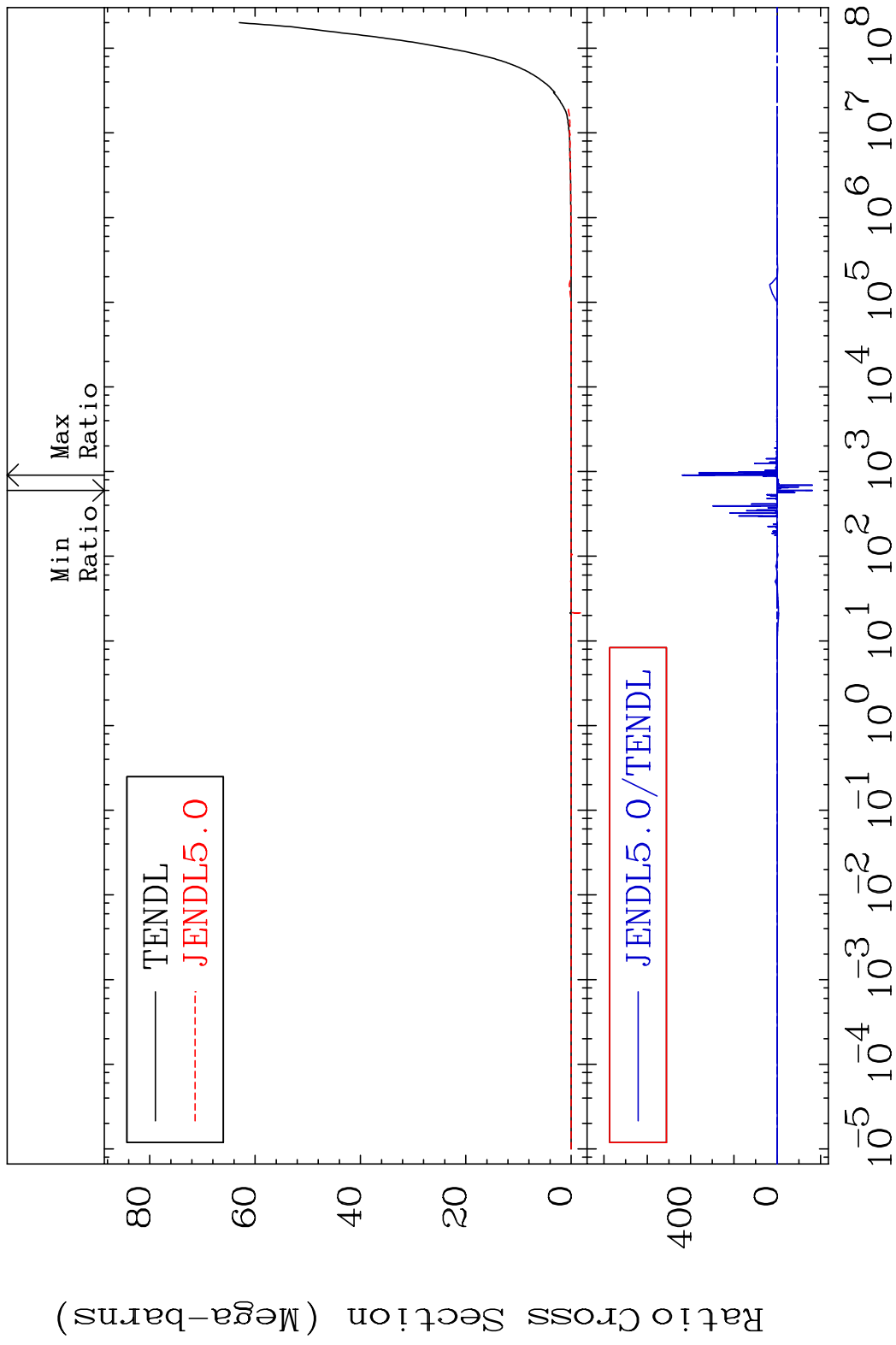


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Incident Energy (eV)

51-Sb-123

MAT 5131 Kerma total (eV-barns) 51-Sb-123
Cross Section -9999. To 9999. %

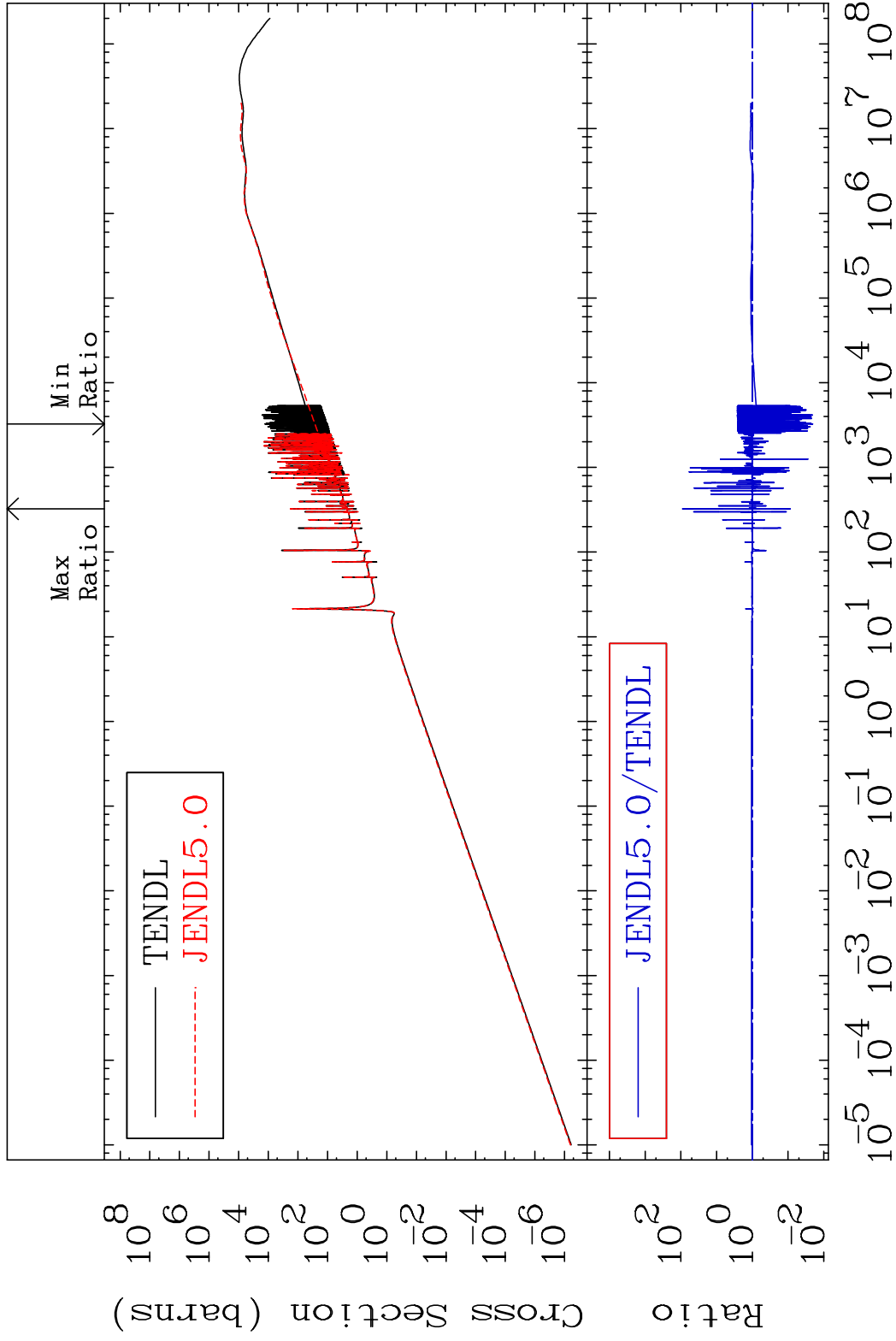


MAT 5131

Kerma elastic

51-Sb-123

Cross Section -97.94 To 8999. %

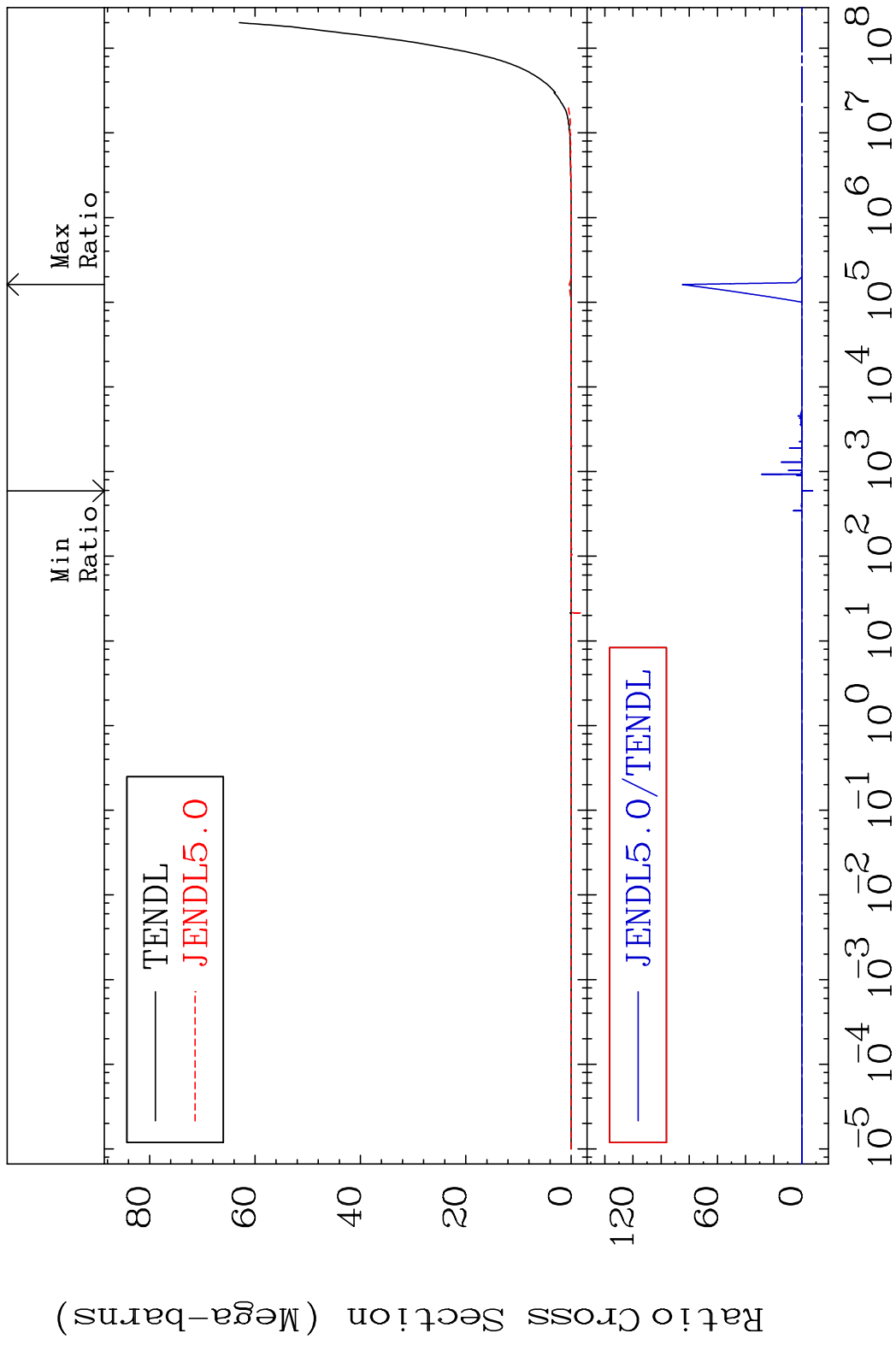


39

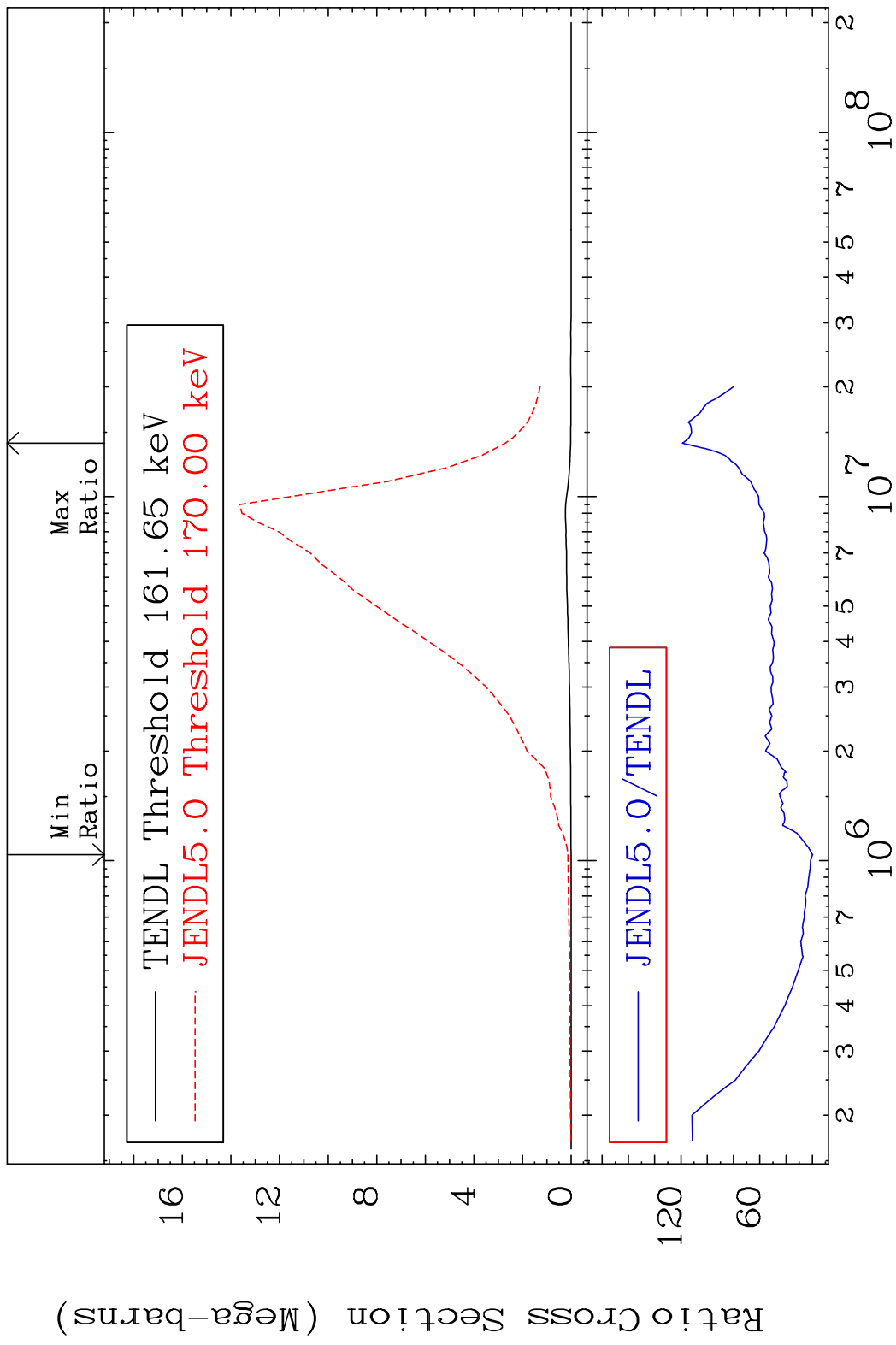
Incident Energy (eV)

51-Sb-123

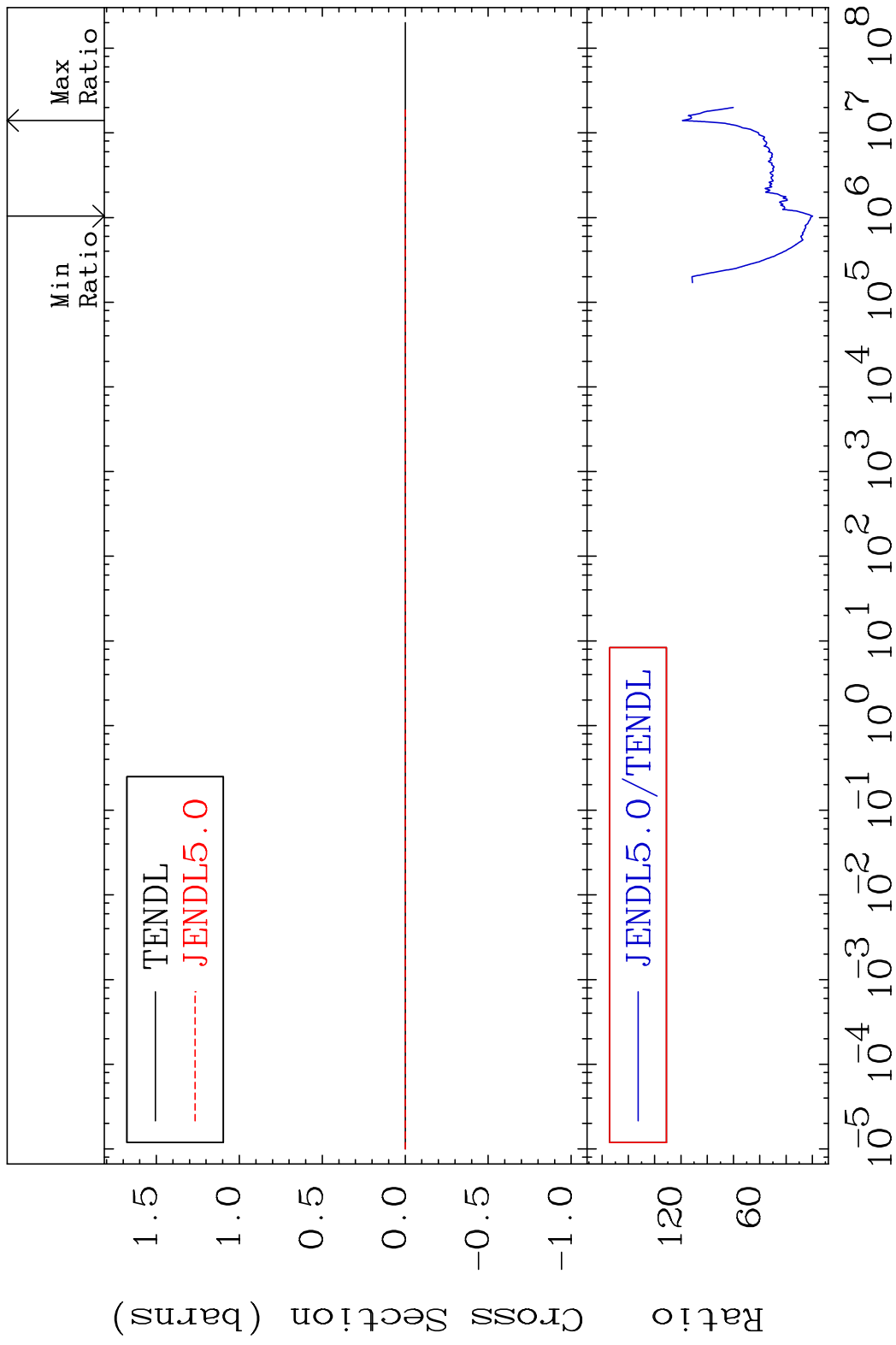
MAT 5131 Kerma non-elastic (all but mt2) 51-Sb-123
 Cross Section -9999. To 9999. %



MAT 5131 Kerma inelastic (mt51-91) 51-Sb-123
 Cross Section 1883. To 9999. %

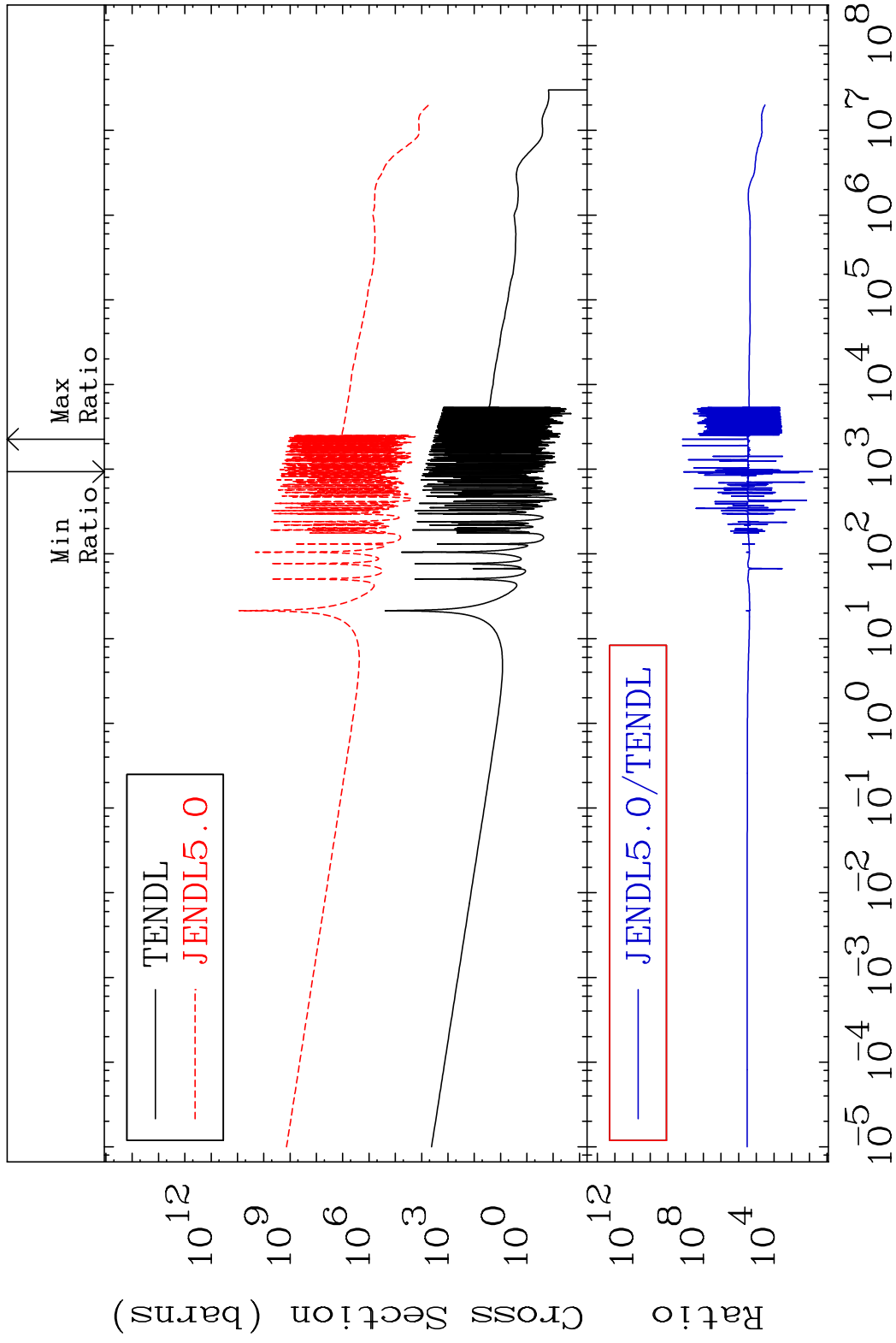


MAT 5131 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-123
 Cross Section 1883. To 9999. %



MAT 5131

Kerma capture (mt102) 51-Sb-123
Cross Section 6468. To 9999. %

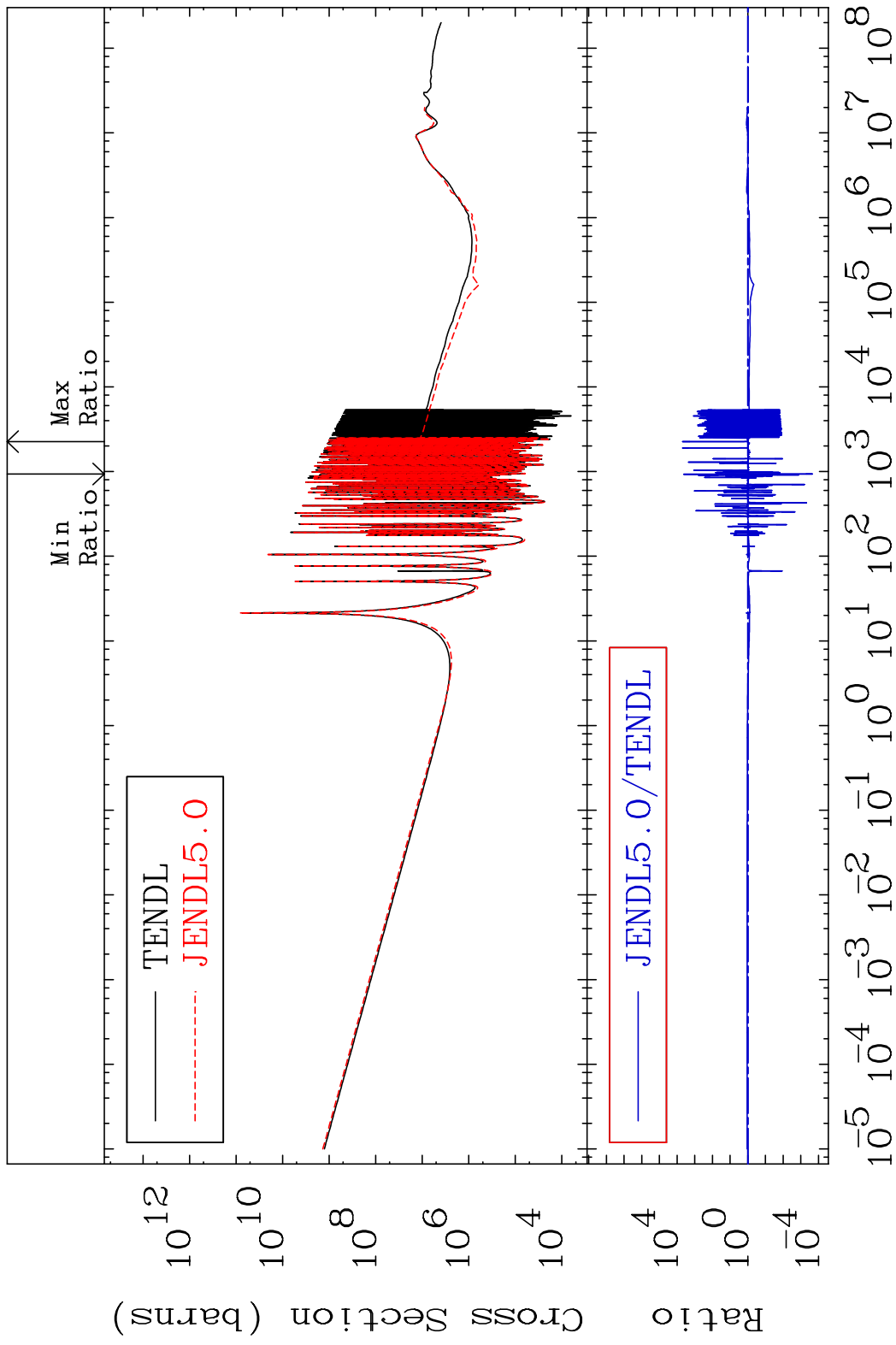


43

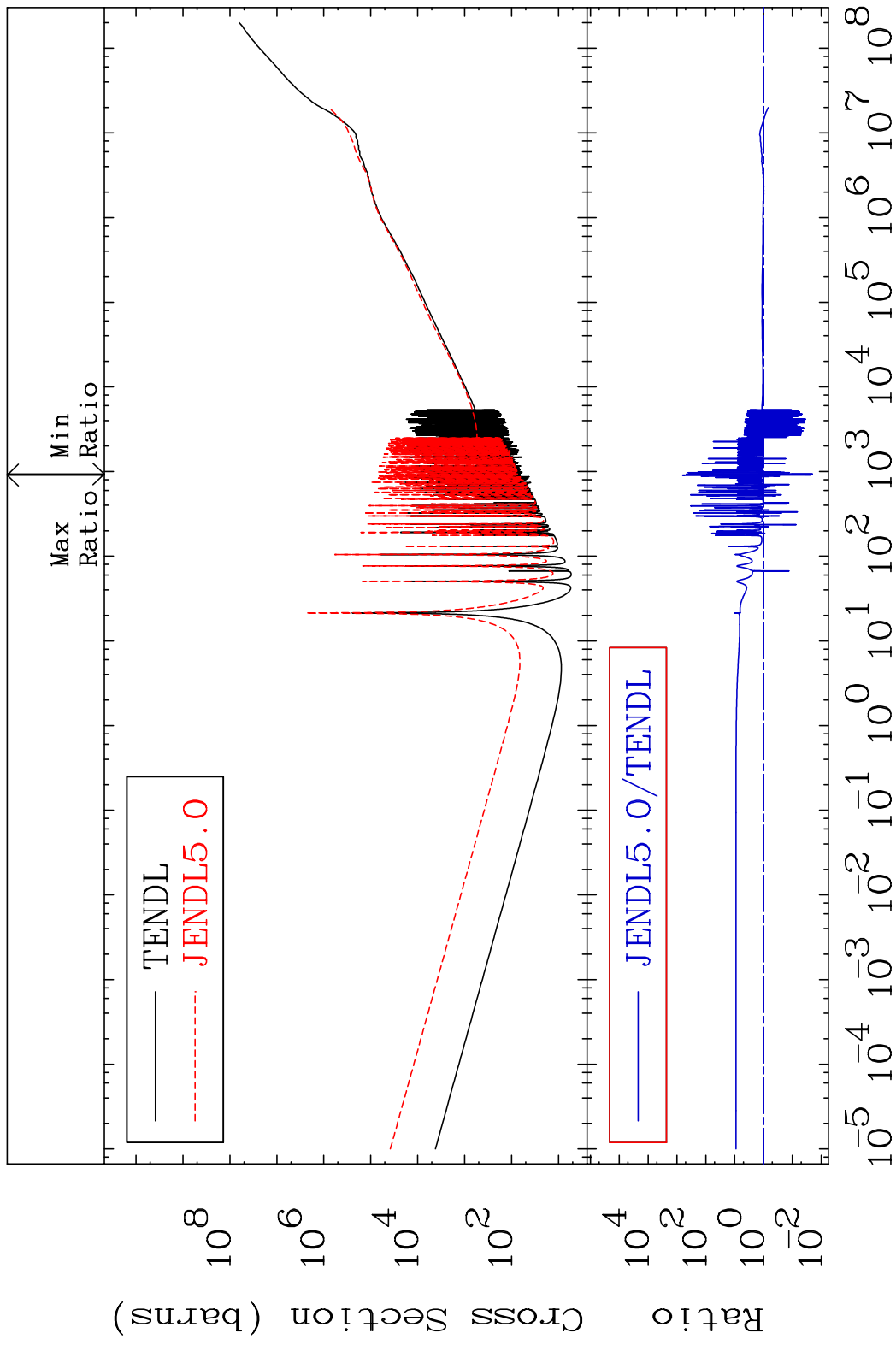
Incident Energy (eV)

51-Sb-123

MAT 5131 Total photon (eV-barns) 51-Sb-123
Cross Section -99.98 To 9999. %



MAT 5131 Total kinematic kerma (high limit) 51-Sb-123
 Cross Section -98.00 To 9999. %

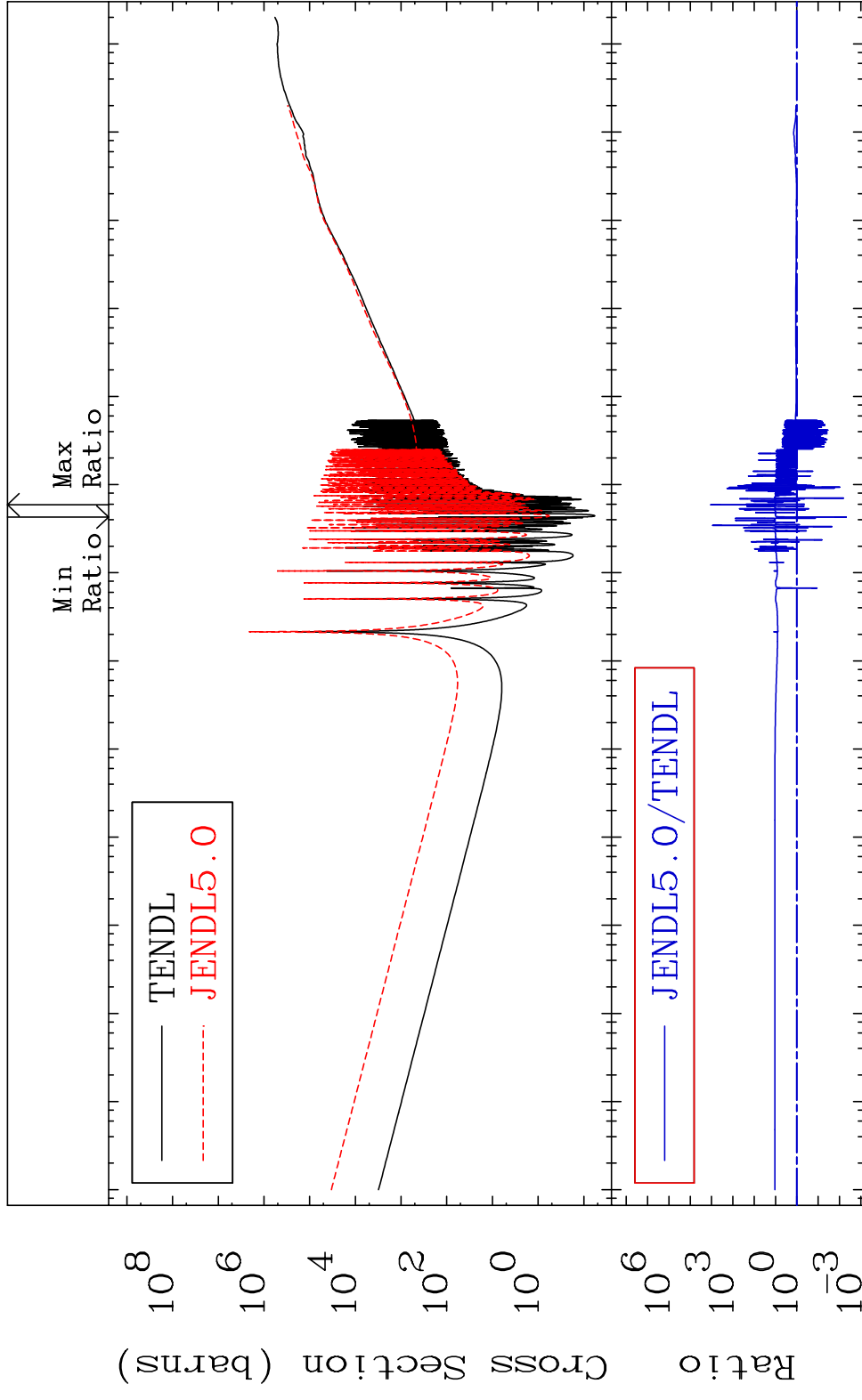


MAT 5131

Dpa total (eV-barns)

51-Sb-123

Cross Section -99.52 To 9999. %

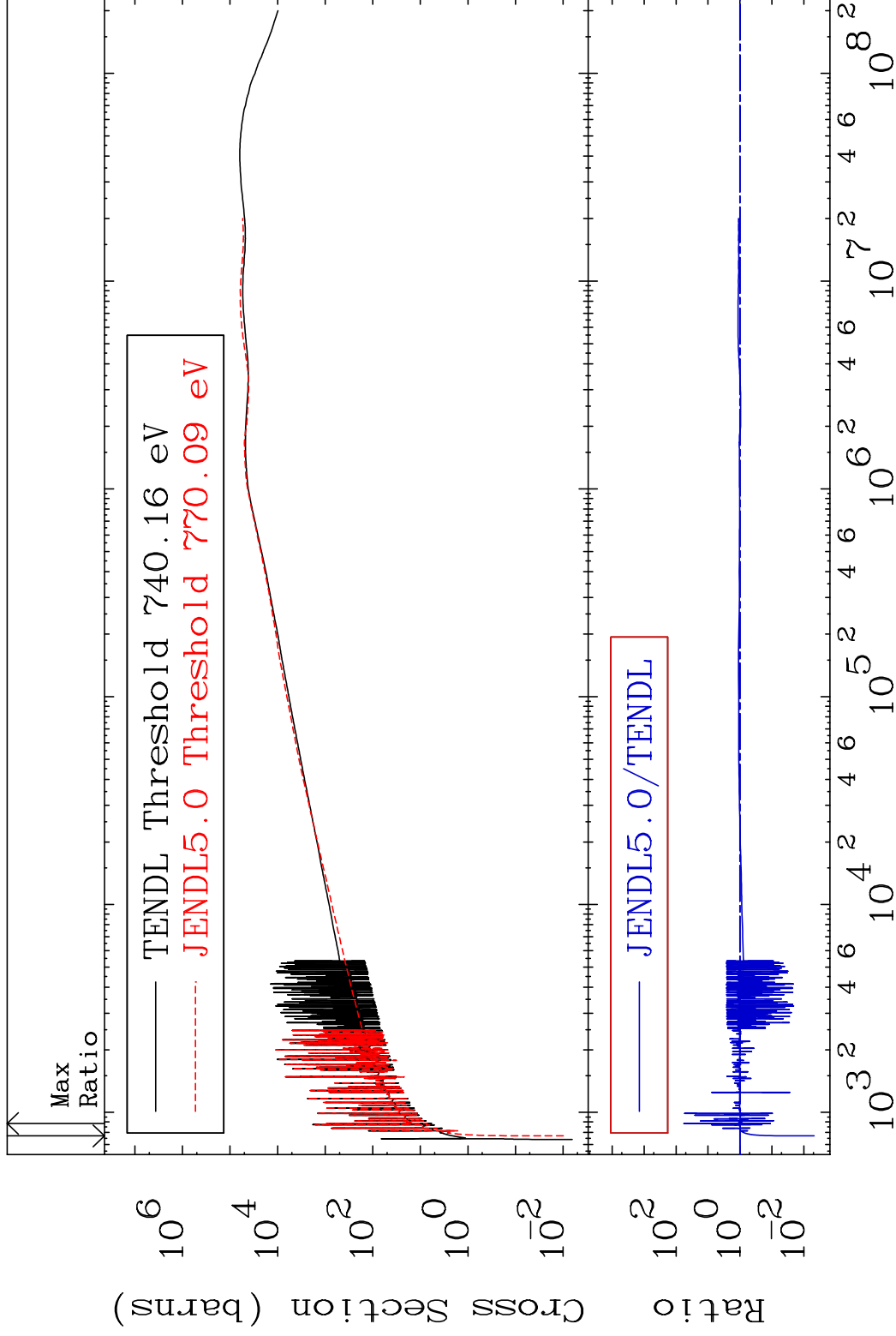


MAT 5131

Dpa elastic (mt2)

51-Sb-123

Cross Section -99.52 To 5683. %



47

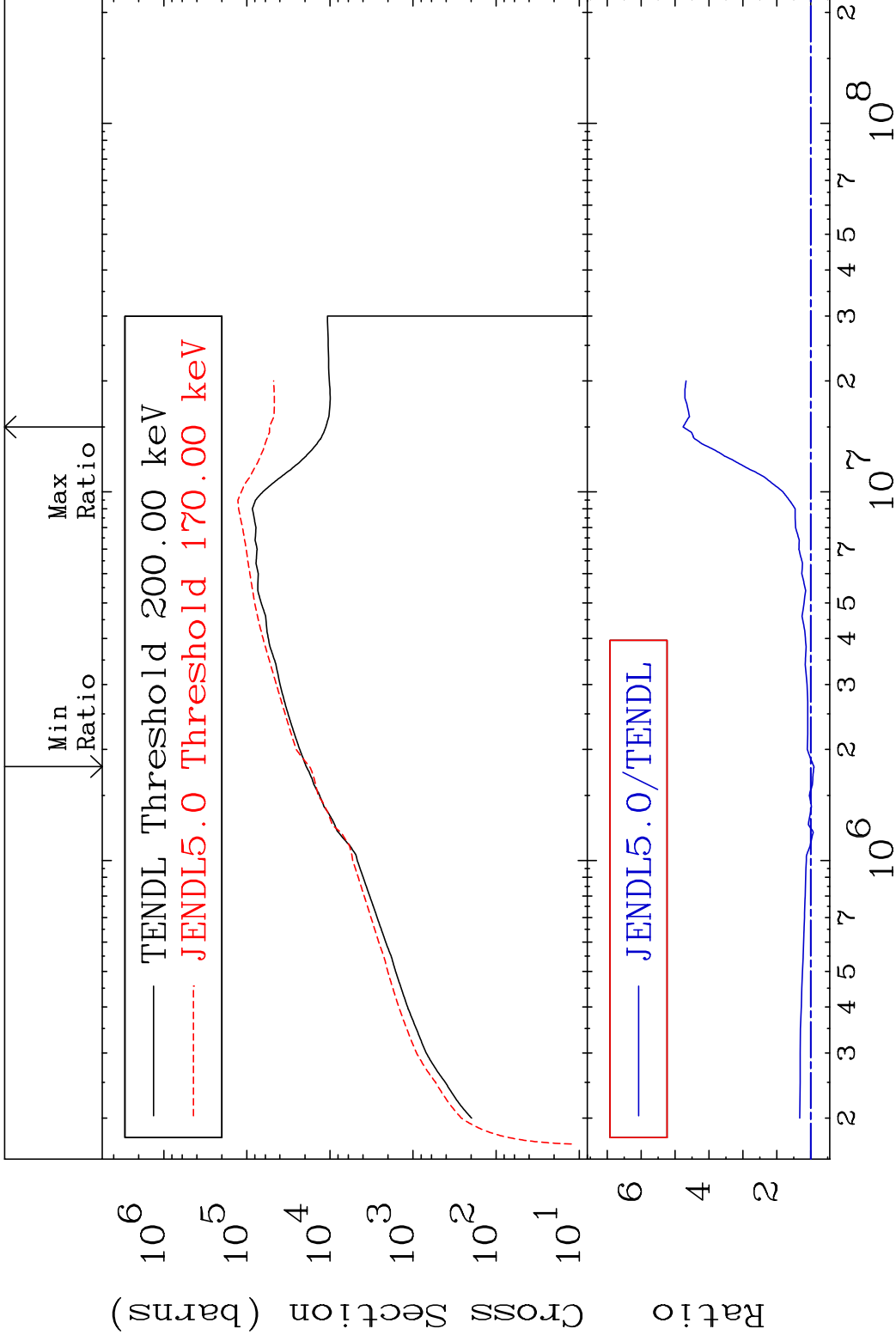
Incident Energy (eV)

51-Sb-123

MAT 5131

Dpa inelastic (mt51-91) 51-Sb-123

Cross Section -9.238 To 376.5 %

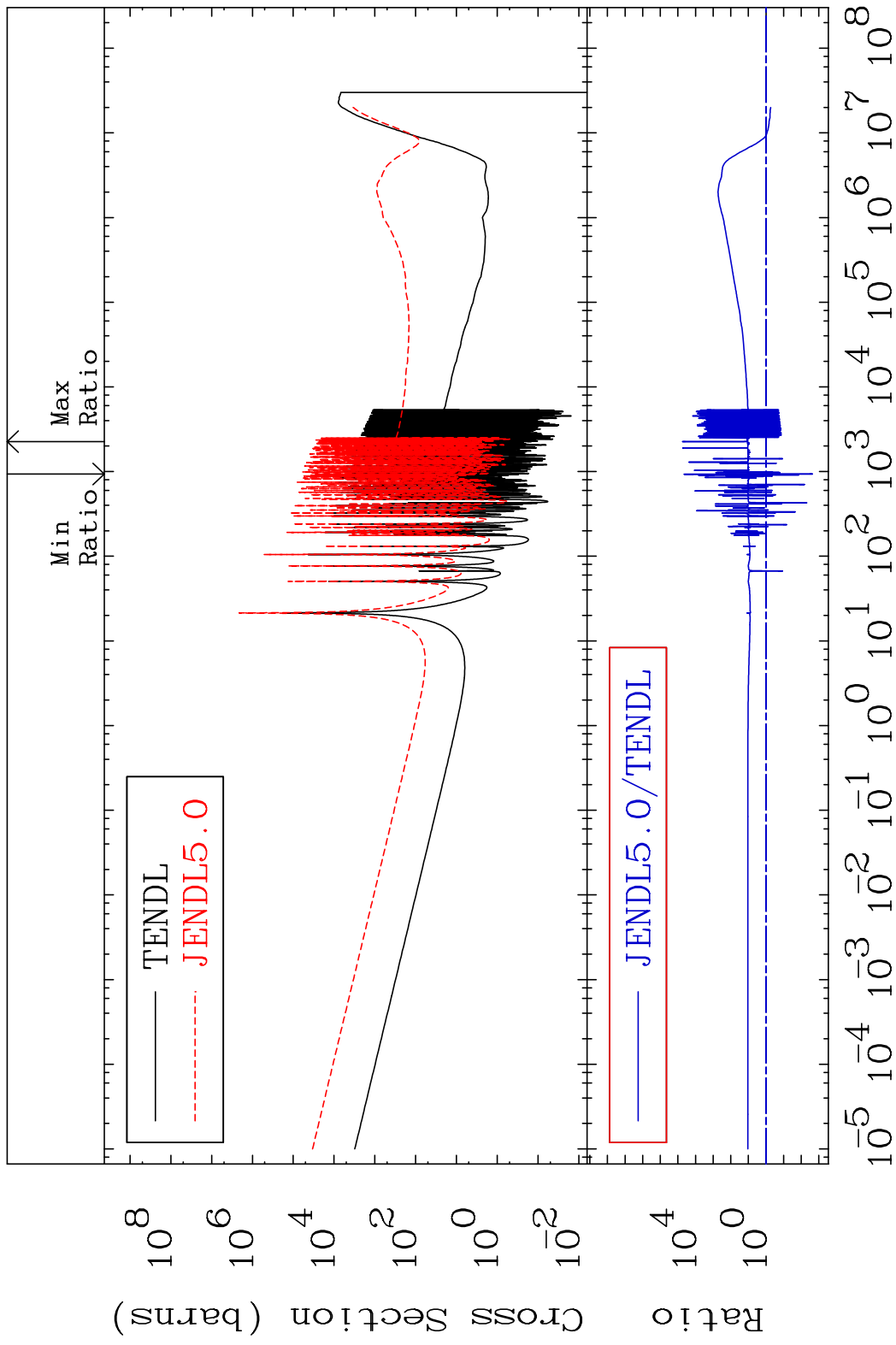


48

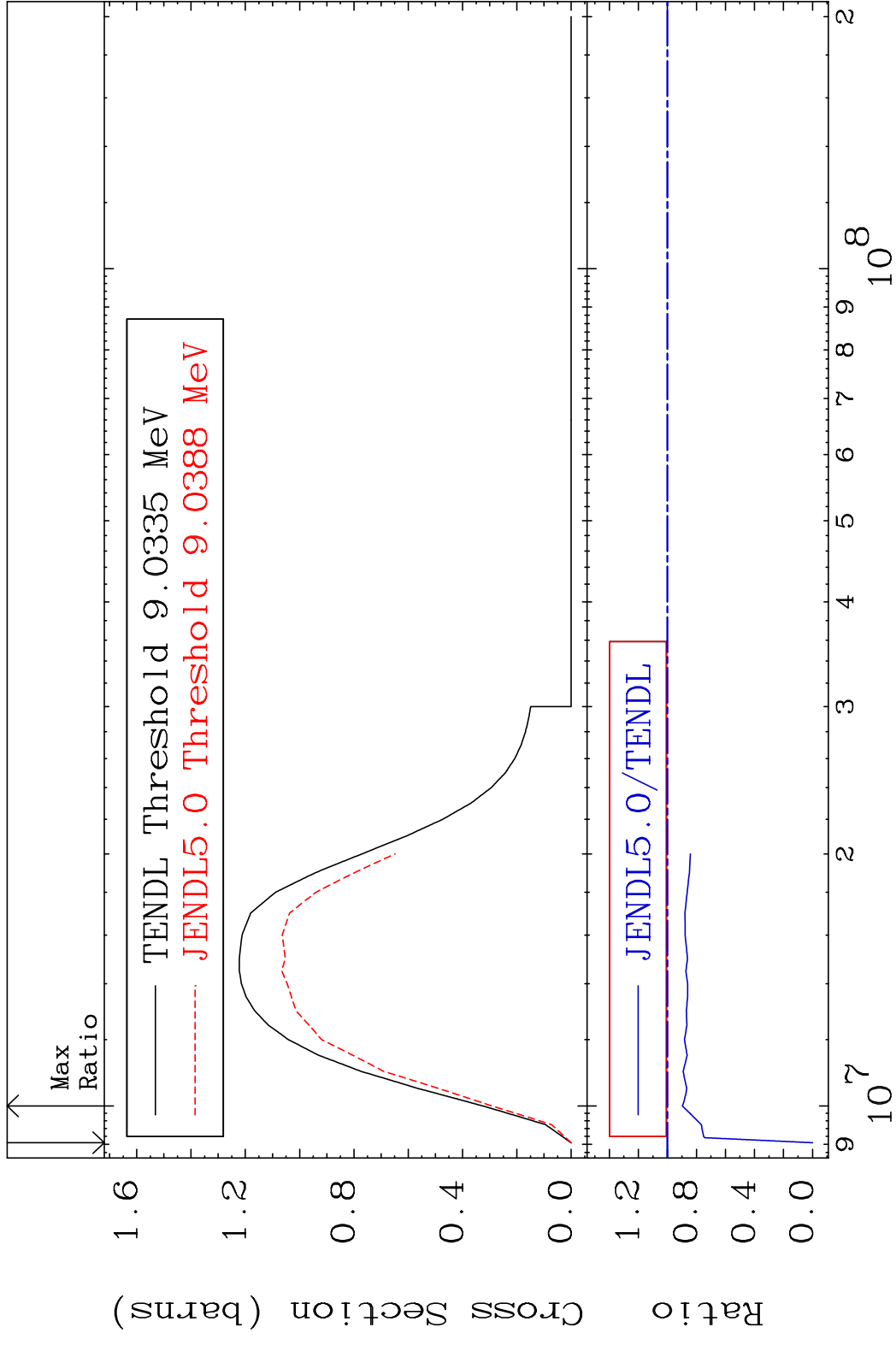
Incident Energy (eV)

51-Sb-123

MAT 5131 Dpa disappearance (mt102 -120) 51-Sb-123
 Cross Section -99.77 To 9999. %

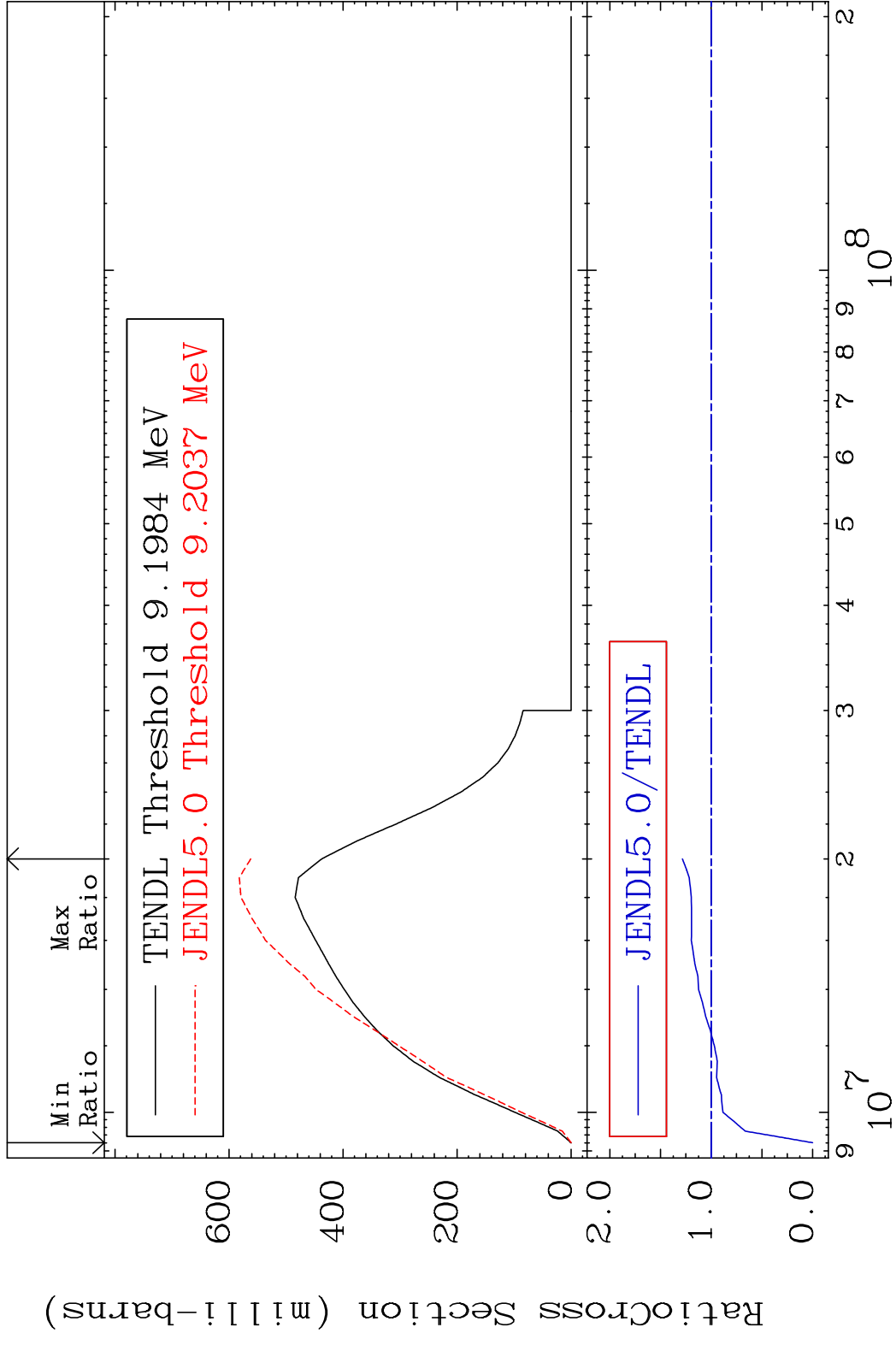


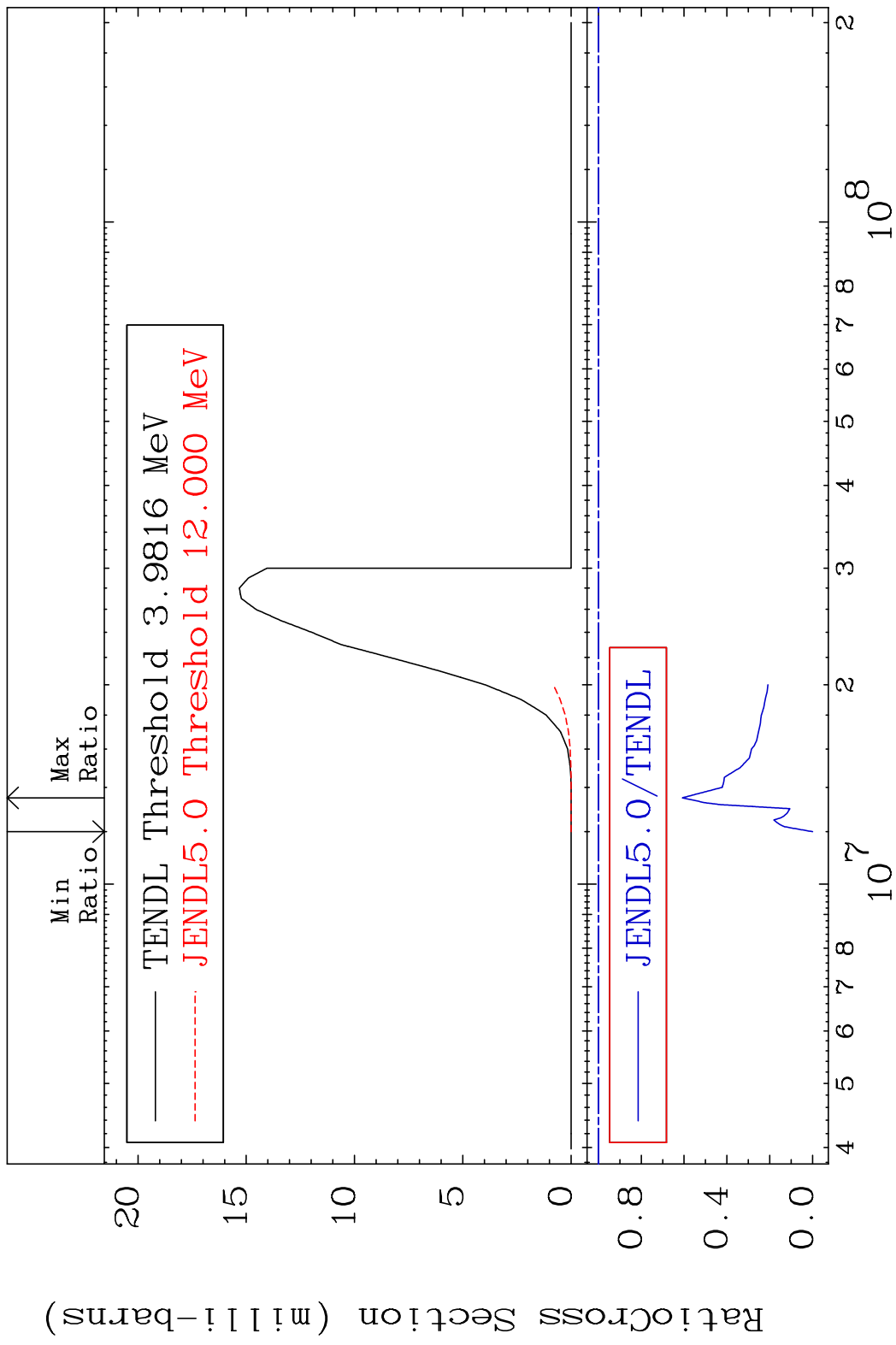
MAT 5131 (n,2n):51-Sb-122g 51-Sb-123
 Radionuclide Production Cross Section Ratio -10.31%



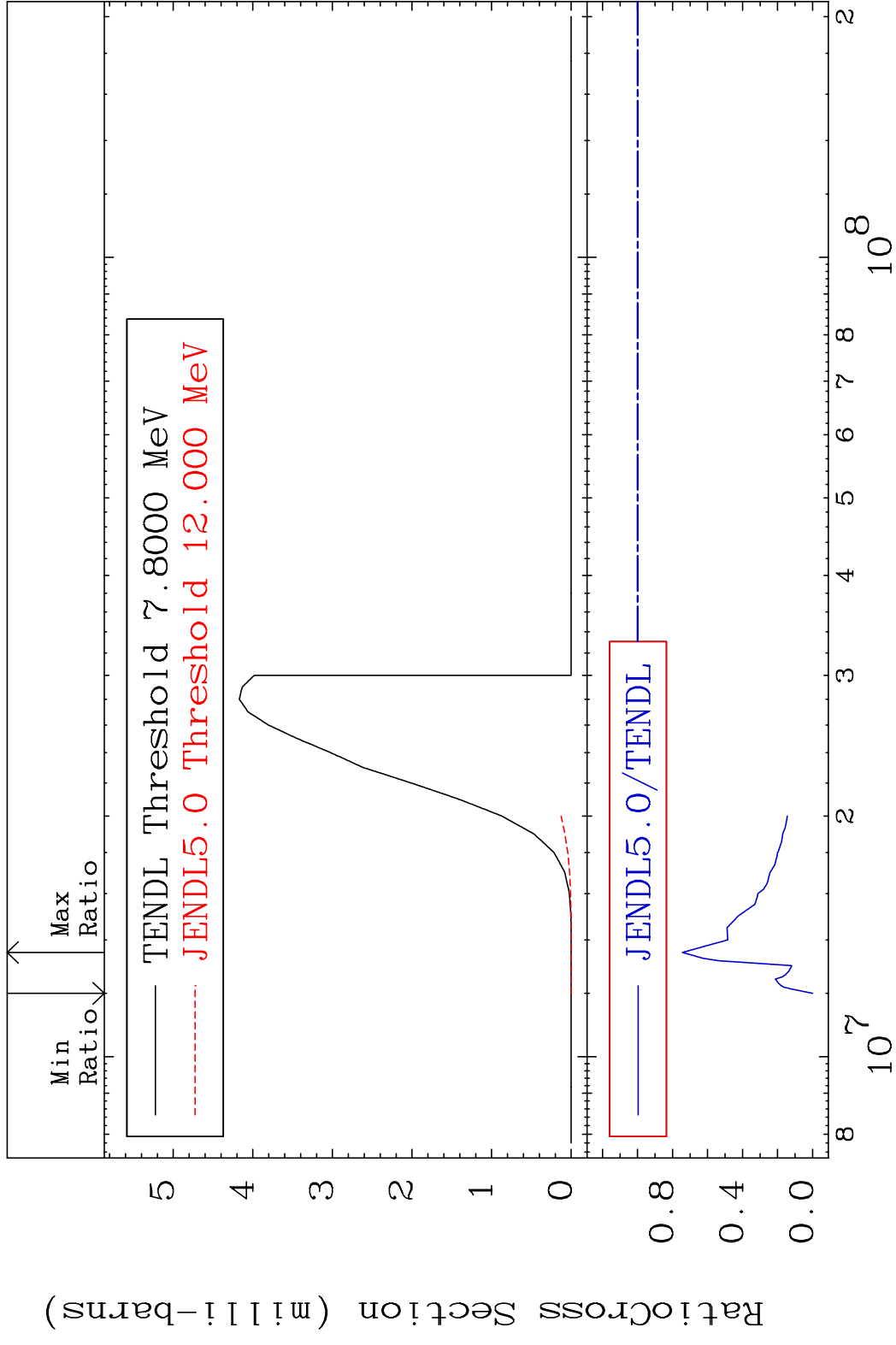
50 Incident Energy (eV) 51-Sb-123

MAT 5131 (n,2n):51-Sb-122m5 51-Sb-123
 Radionuclide Production Cross Section 180.01 dth 28.46 %

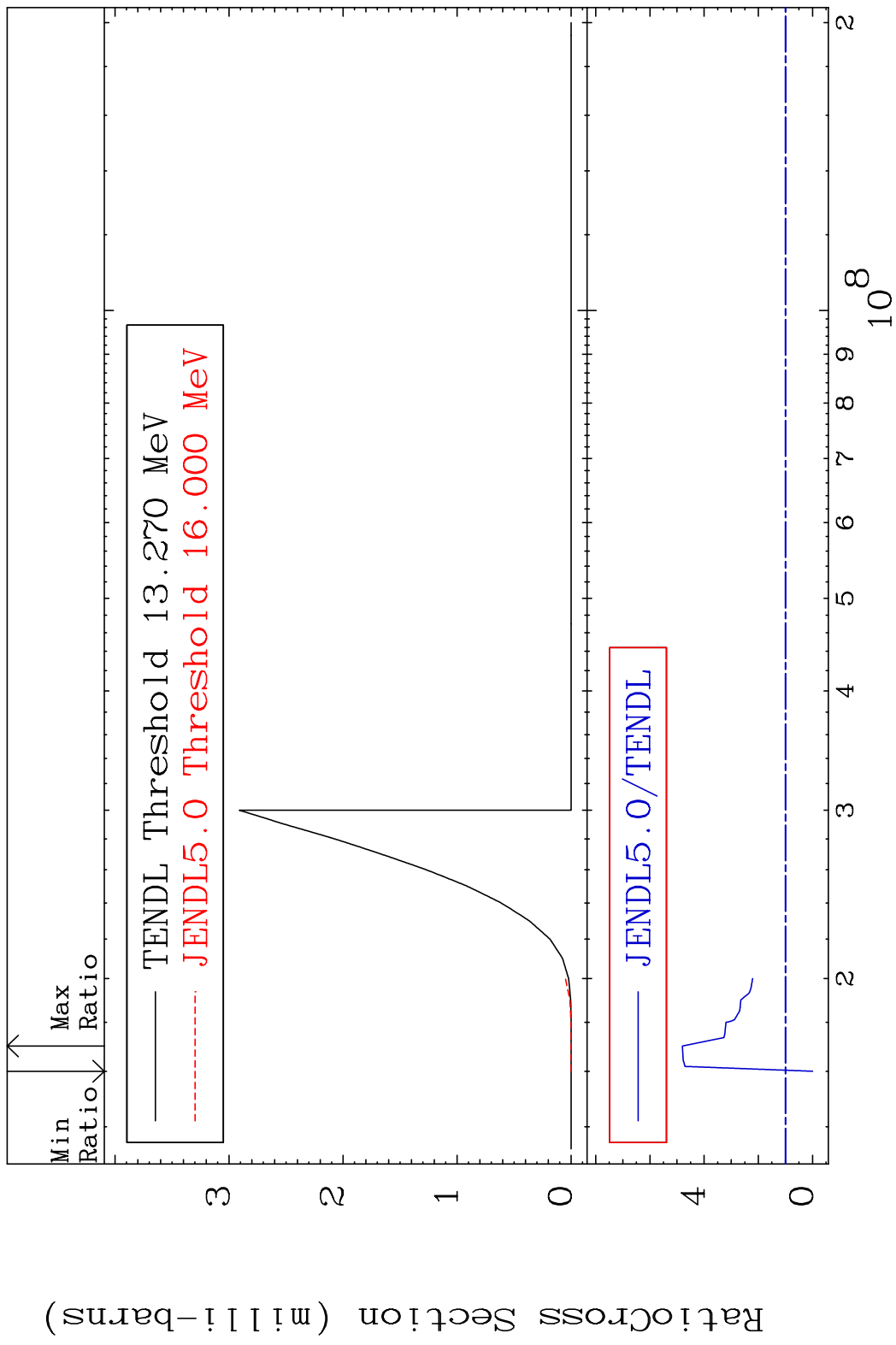


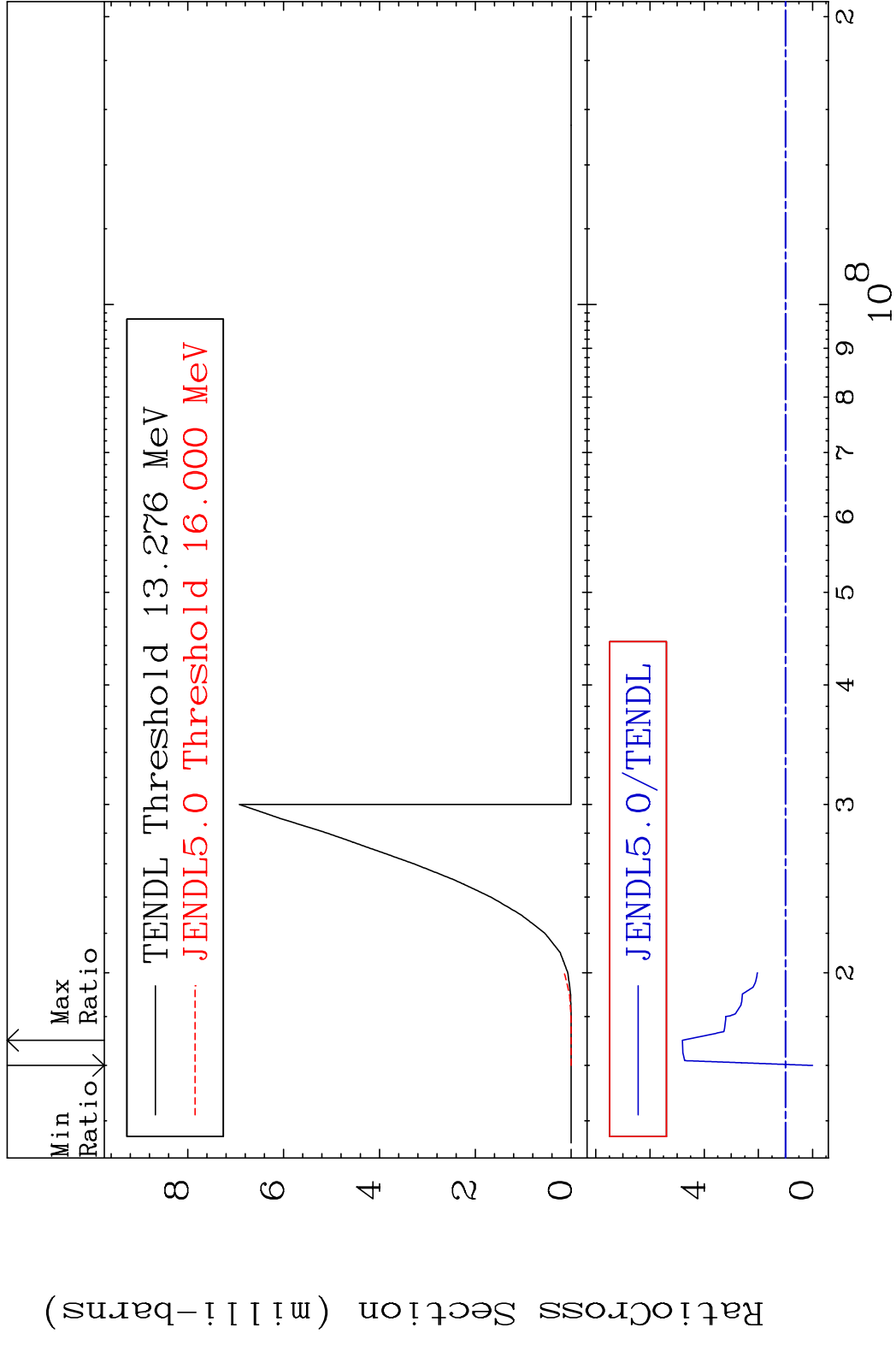


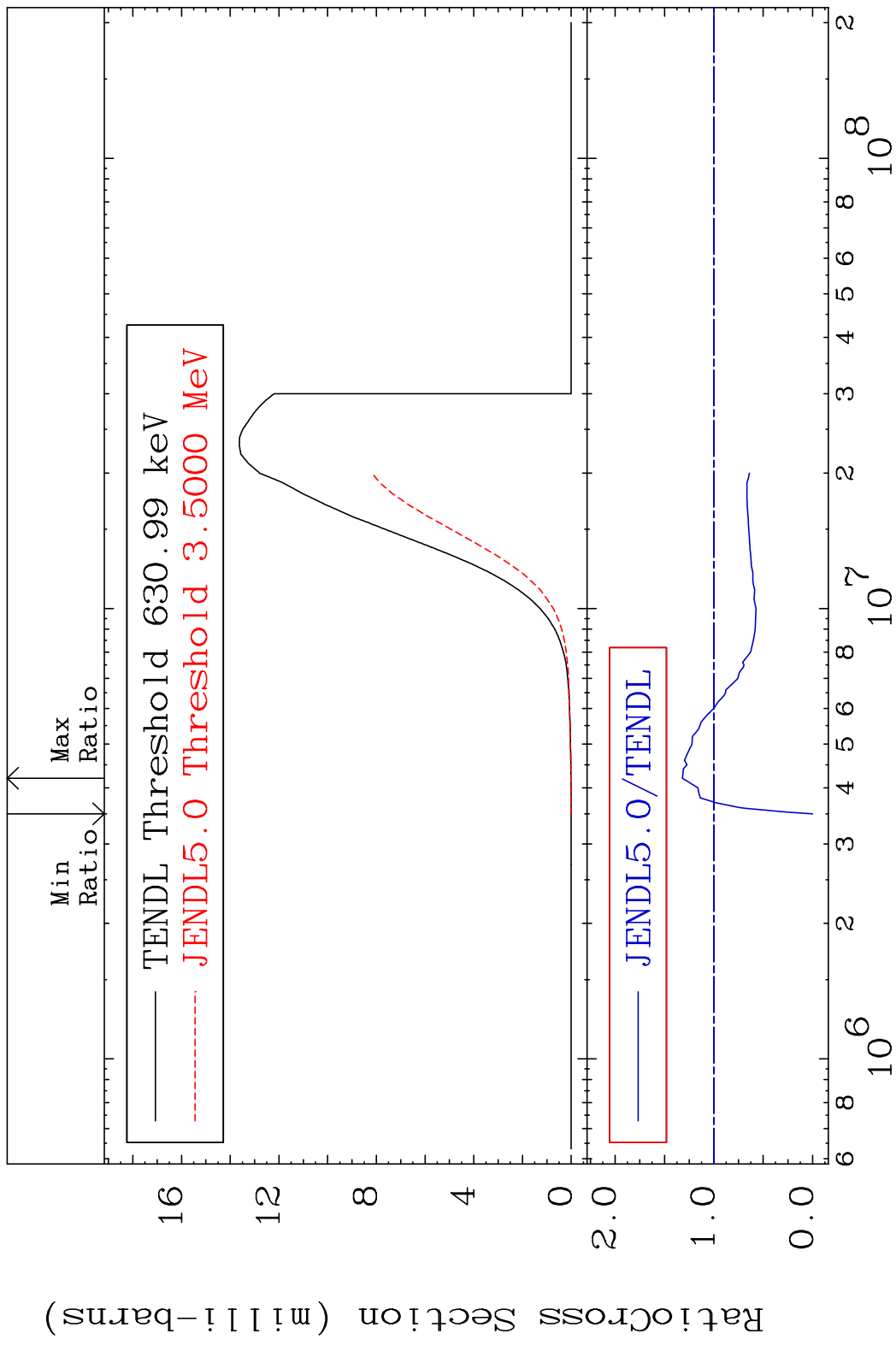
MAT 5131 (n, n') α :49-In-119m1 51-Sb-123
 Radionuclide Production Cross Section Ratio -25.60%



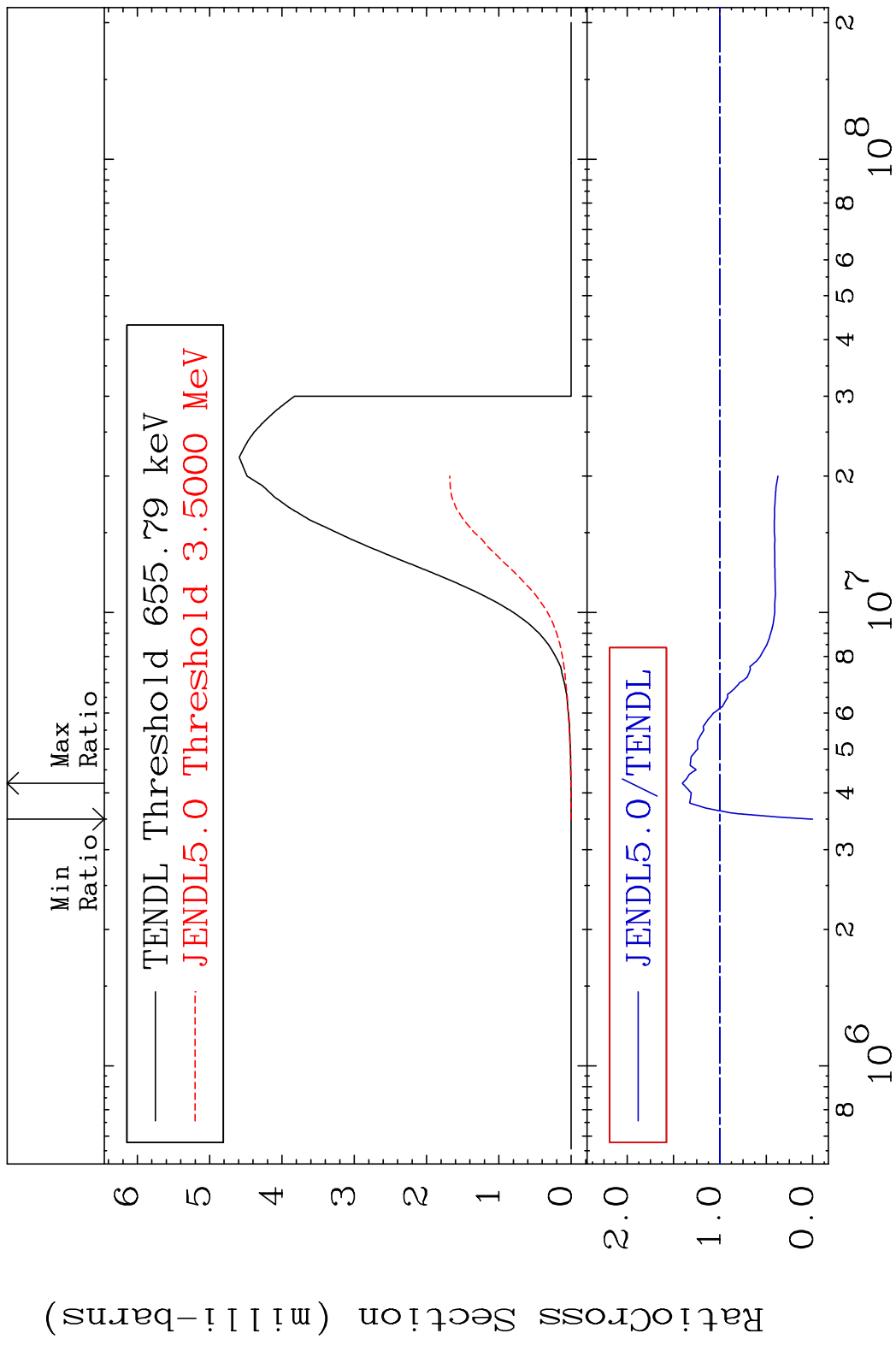
MAT 5131 (n, n') d:50-Sn-121g 51-Sb-123
 Radionuclide Production Cross Section 180.0 d to 380.3 %

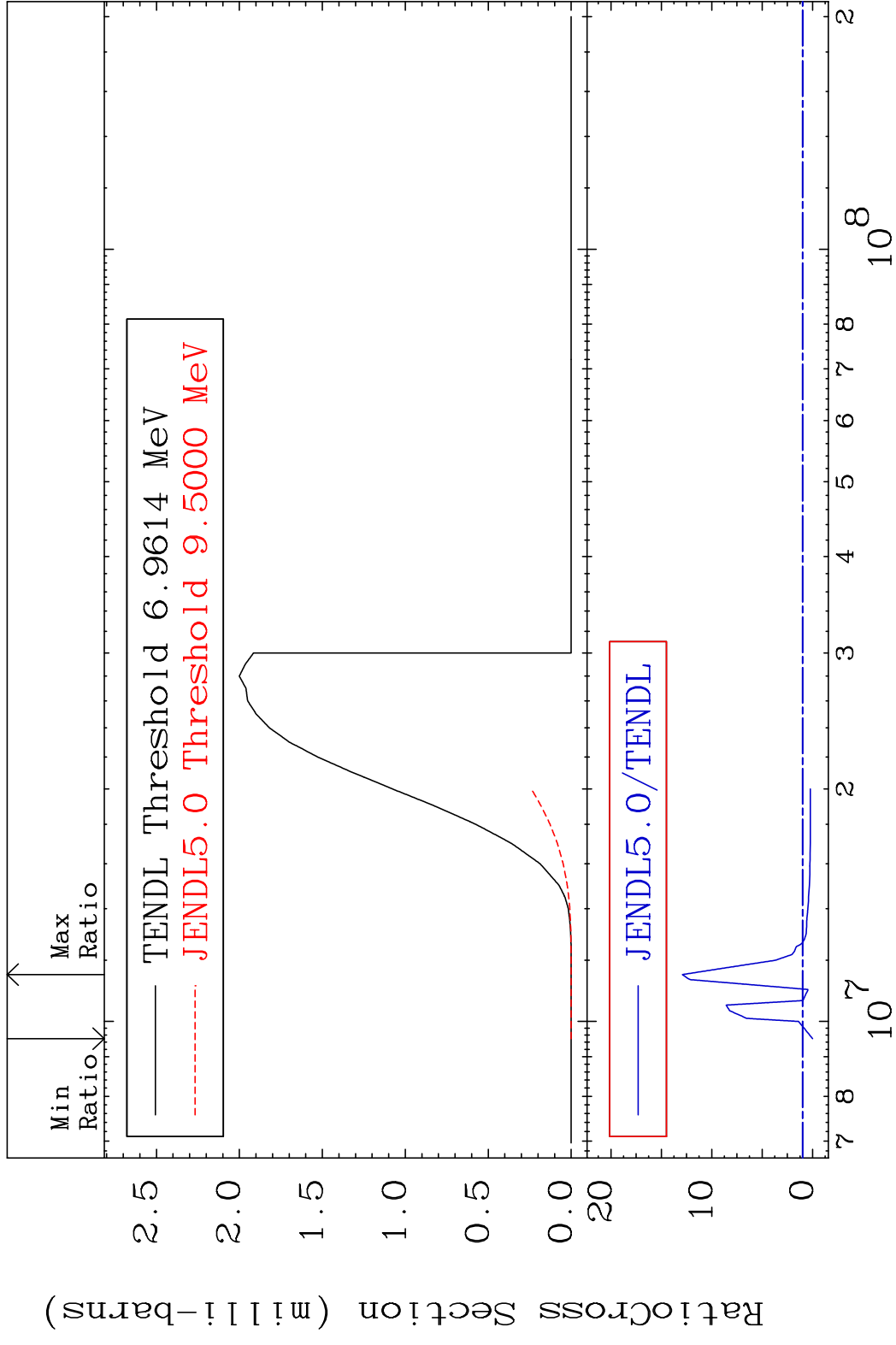




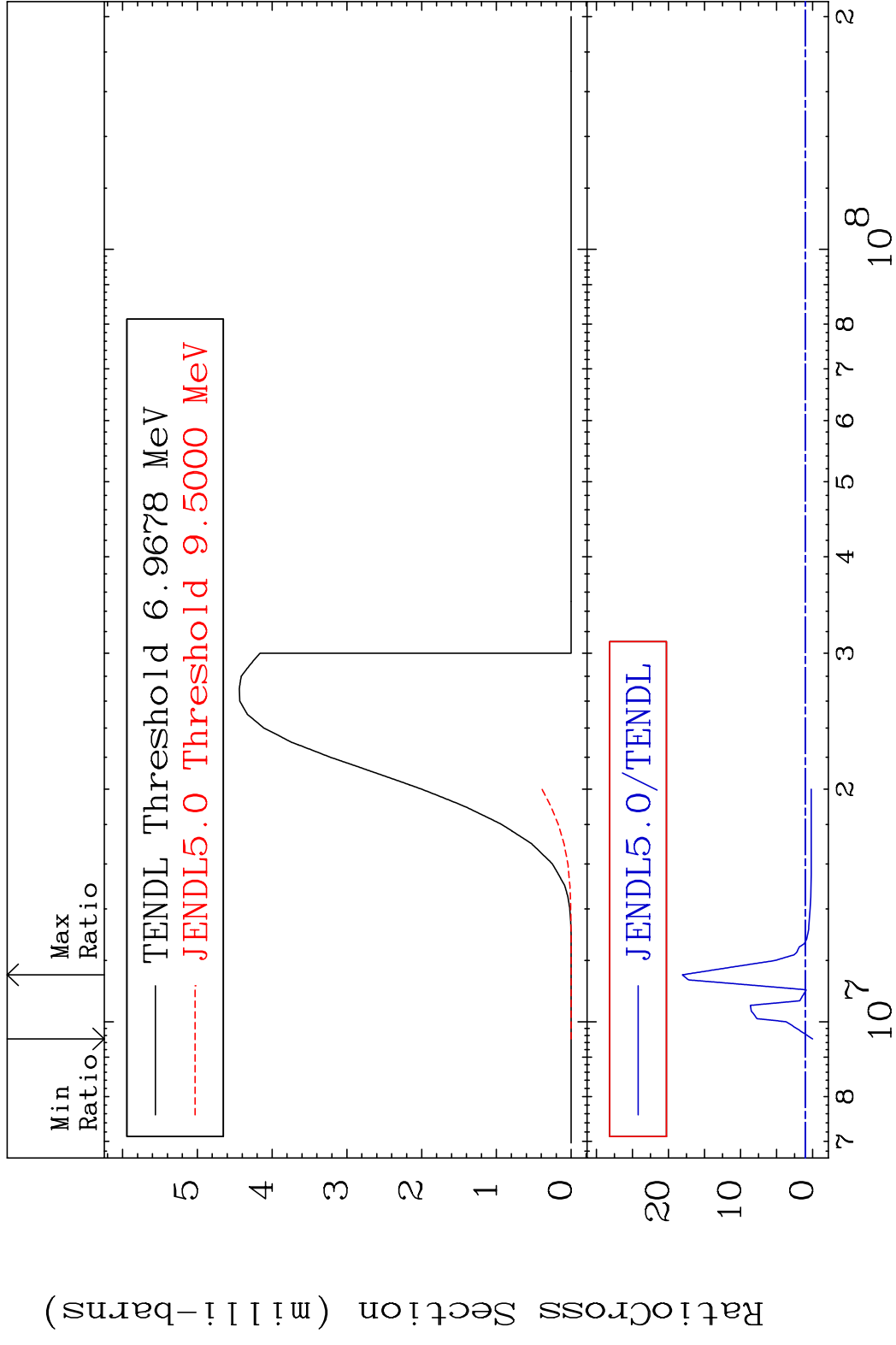


MAT 5131 (n, p):50-Sn-123m1 51-Sb-123
 Radionuclide Production Cross Section Ratio 40.49 %

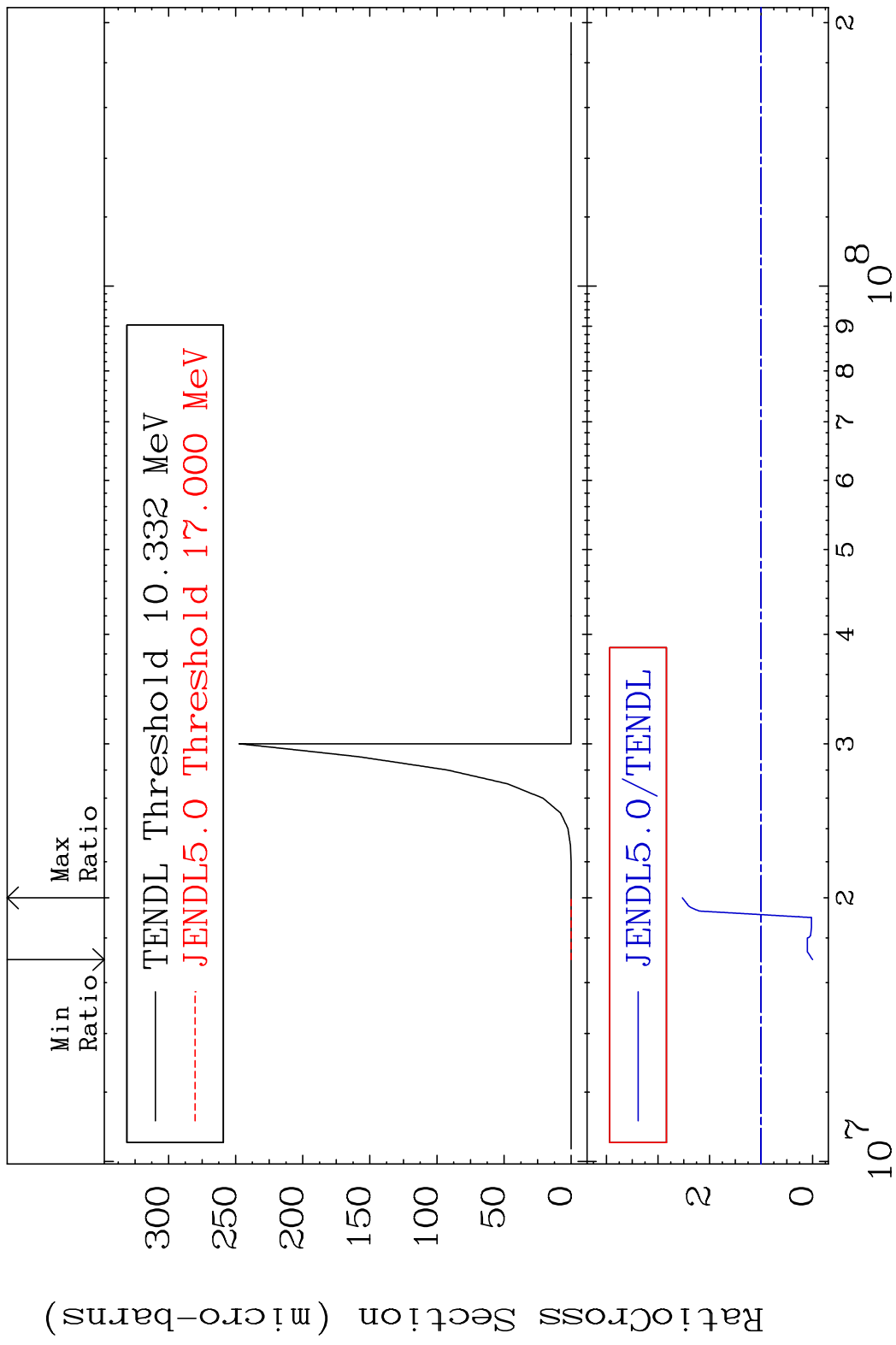


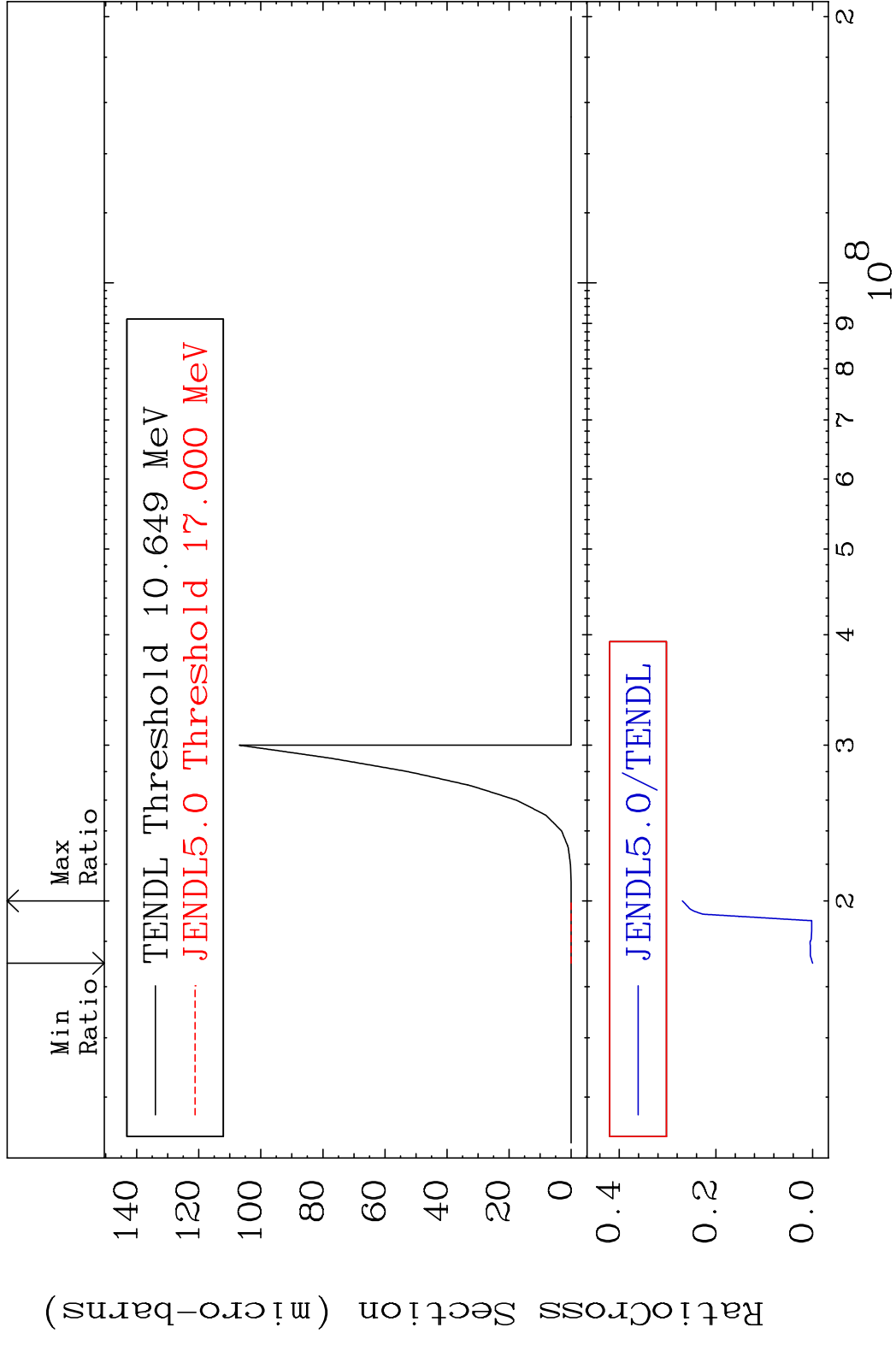


MAT 5131 (n, t):50-Sn-121m1 51-Sb-123
 Radionuclide Production Cross Section 180.01 dth 1707. %



MAT 5131 (n, He-3):49-In-121g 51-Sb-123
 Radionuclide Production Cross Section 152.6 %



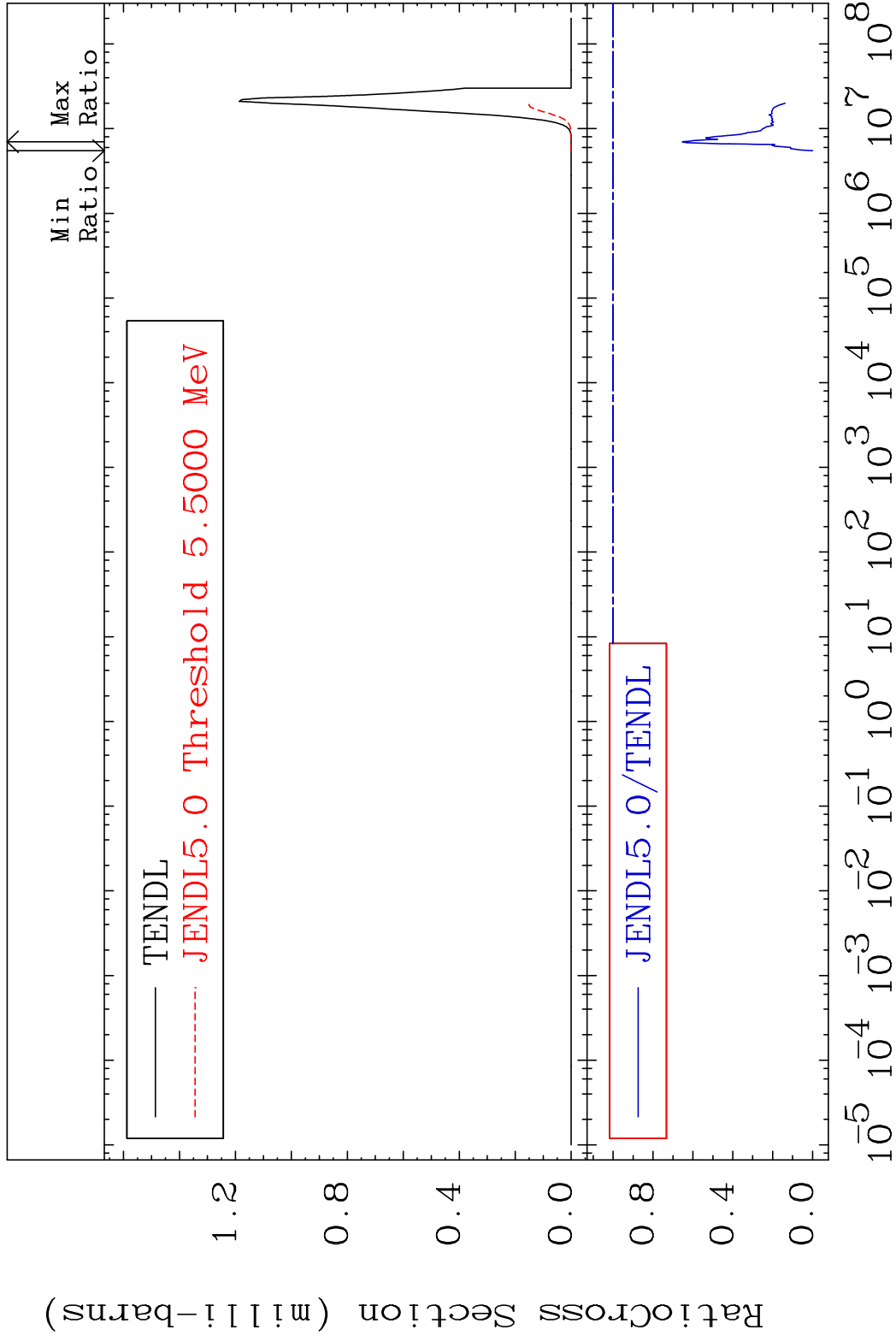


MAT 5131

(n, α): 49-In-120g

51-Sb-123

Radionuclide Production Cross Section Ratio -34.71%

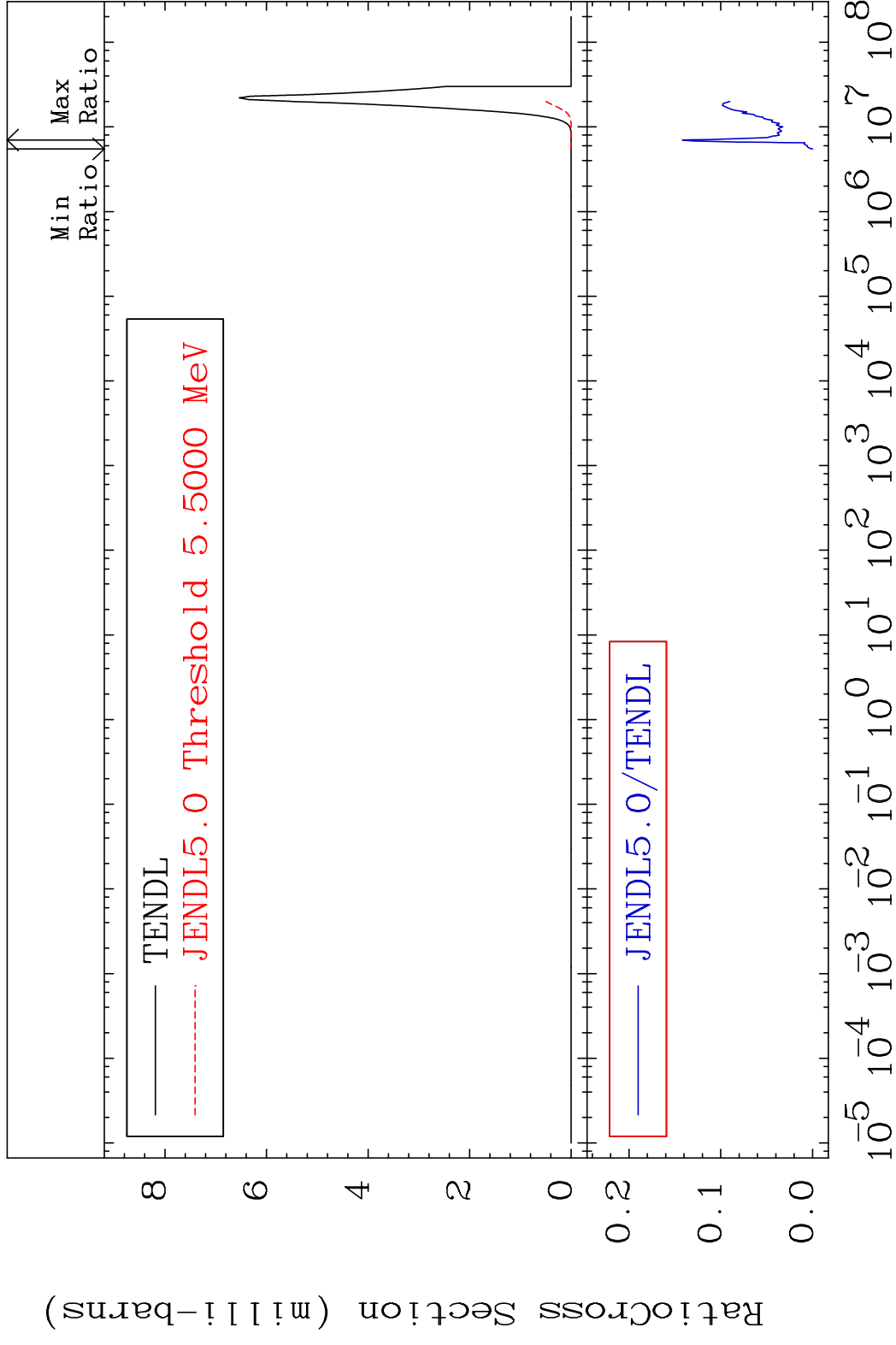


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Incident Energy (eV)

51-Sb-123

MAT 5131 (n, α): 49-In-120m1 51-Sb-123
 Radionuclide Production Cross Section Ratio -85.81%

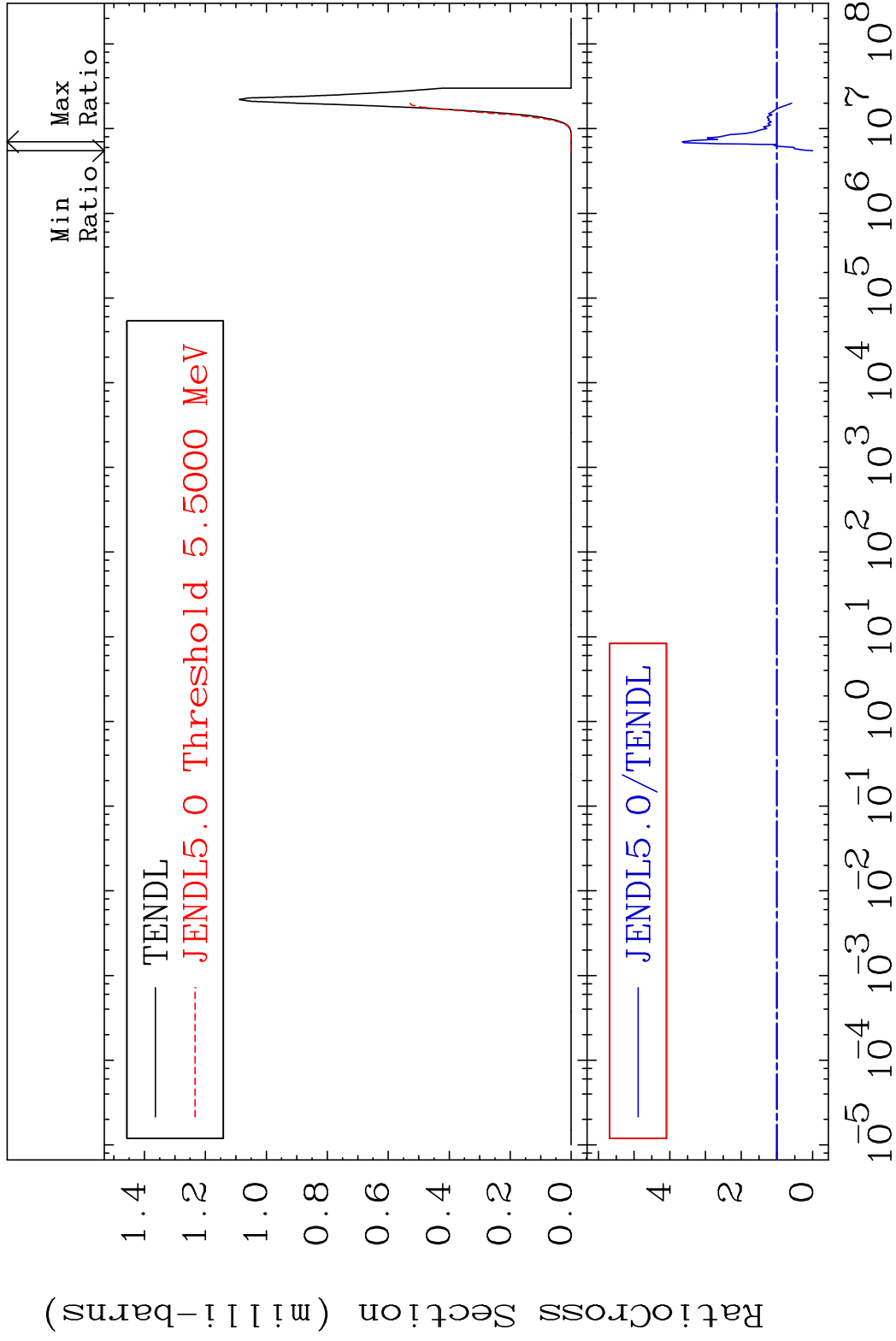


MAT 5131

(n, α): 49-In-120m2

51-Sb-123

Radionuclide Production Cross Section 180.0 mb to 264.7 %



64

Incident Energy (eV)

51-Sb-123