

Program Complot
(Version 2021-1)

by

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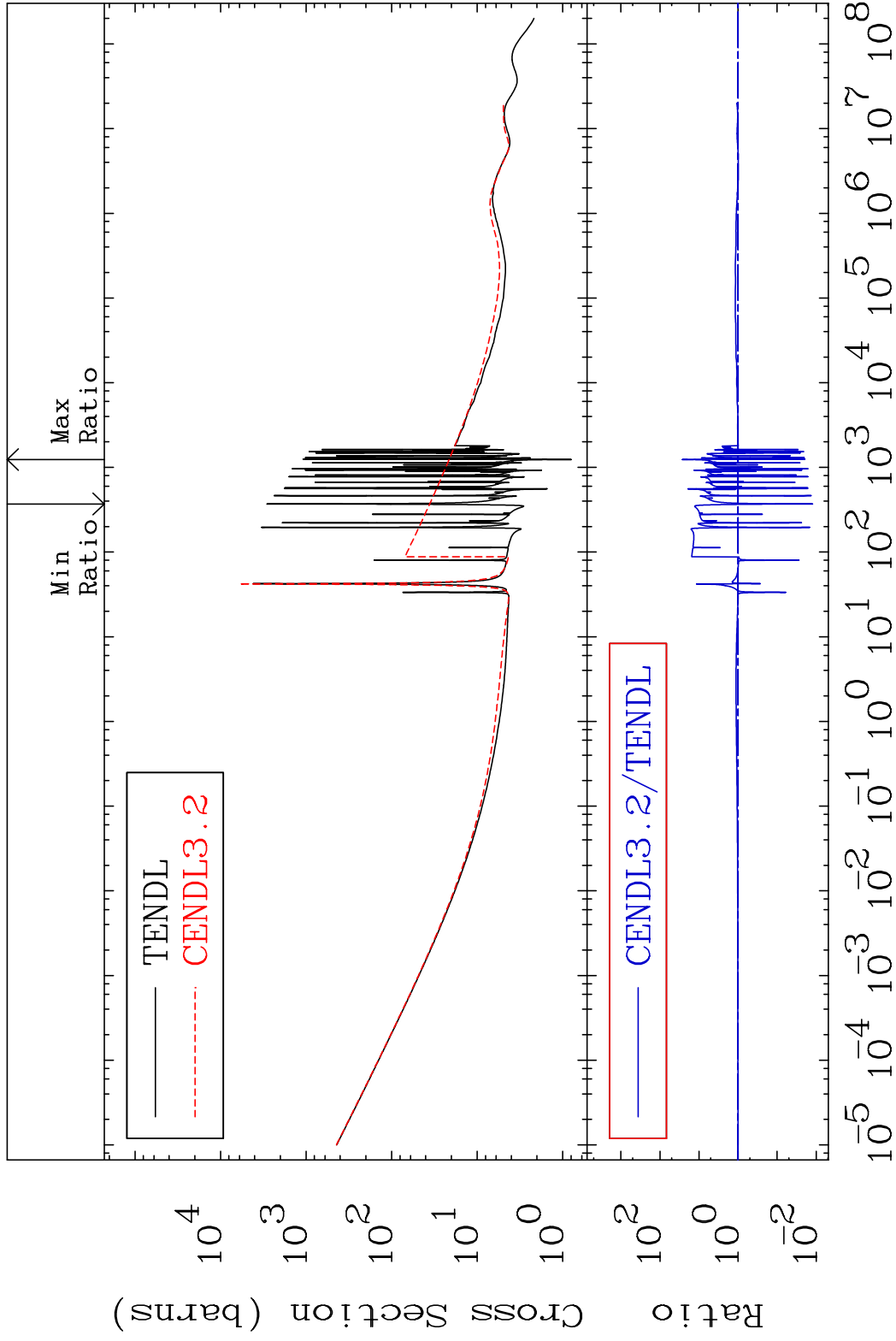
Press Mouse Button to Start

MAT 5531

Total

55-Cs-135

Cross Section -98.76 To 2570. %



1

Incident Energy (eV)

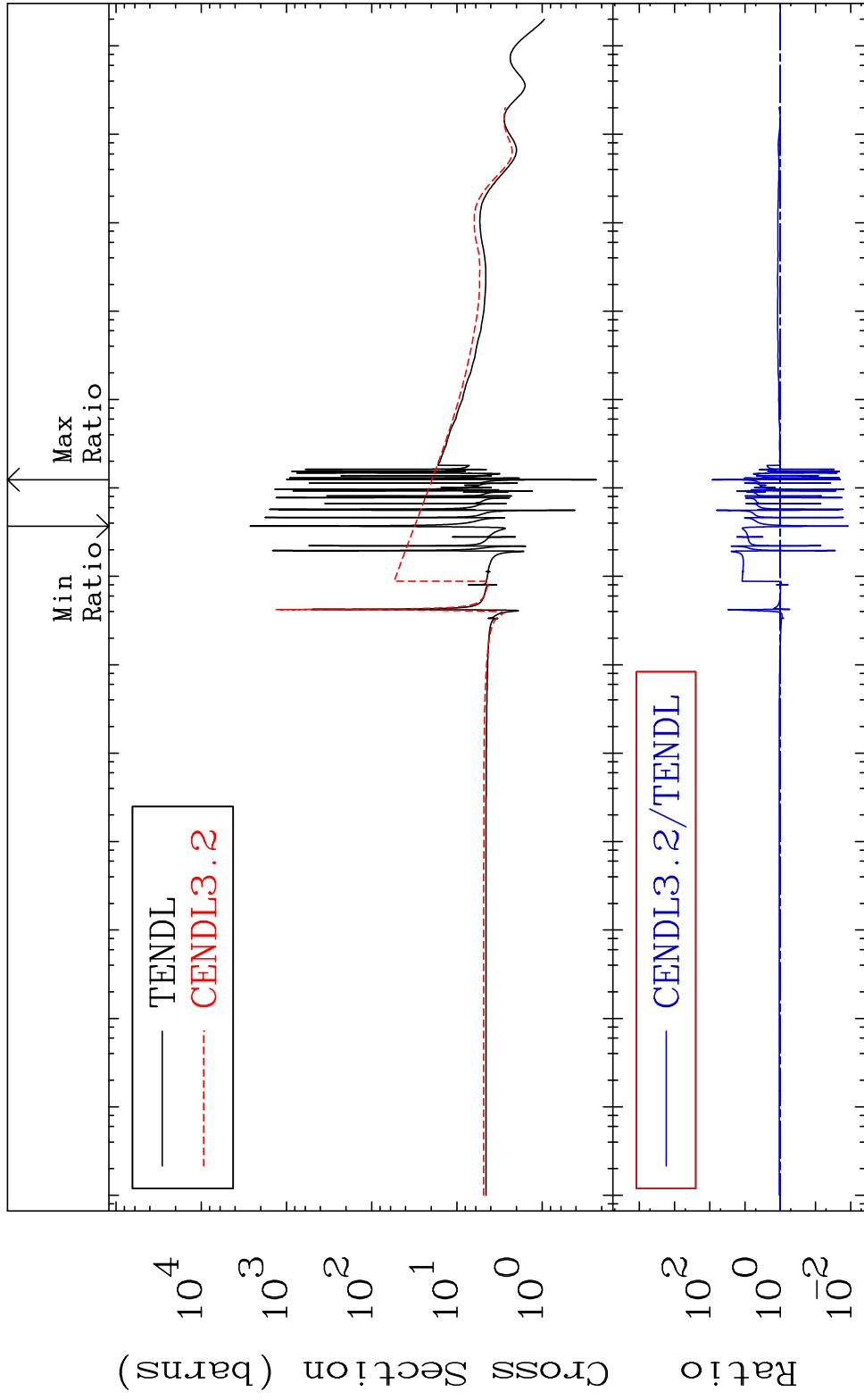
55-Cs-135

MAT 5531

Elastic

55-Cs-135

Cross Section -98.83 To 8369. %

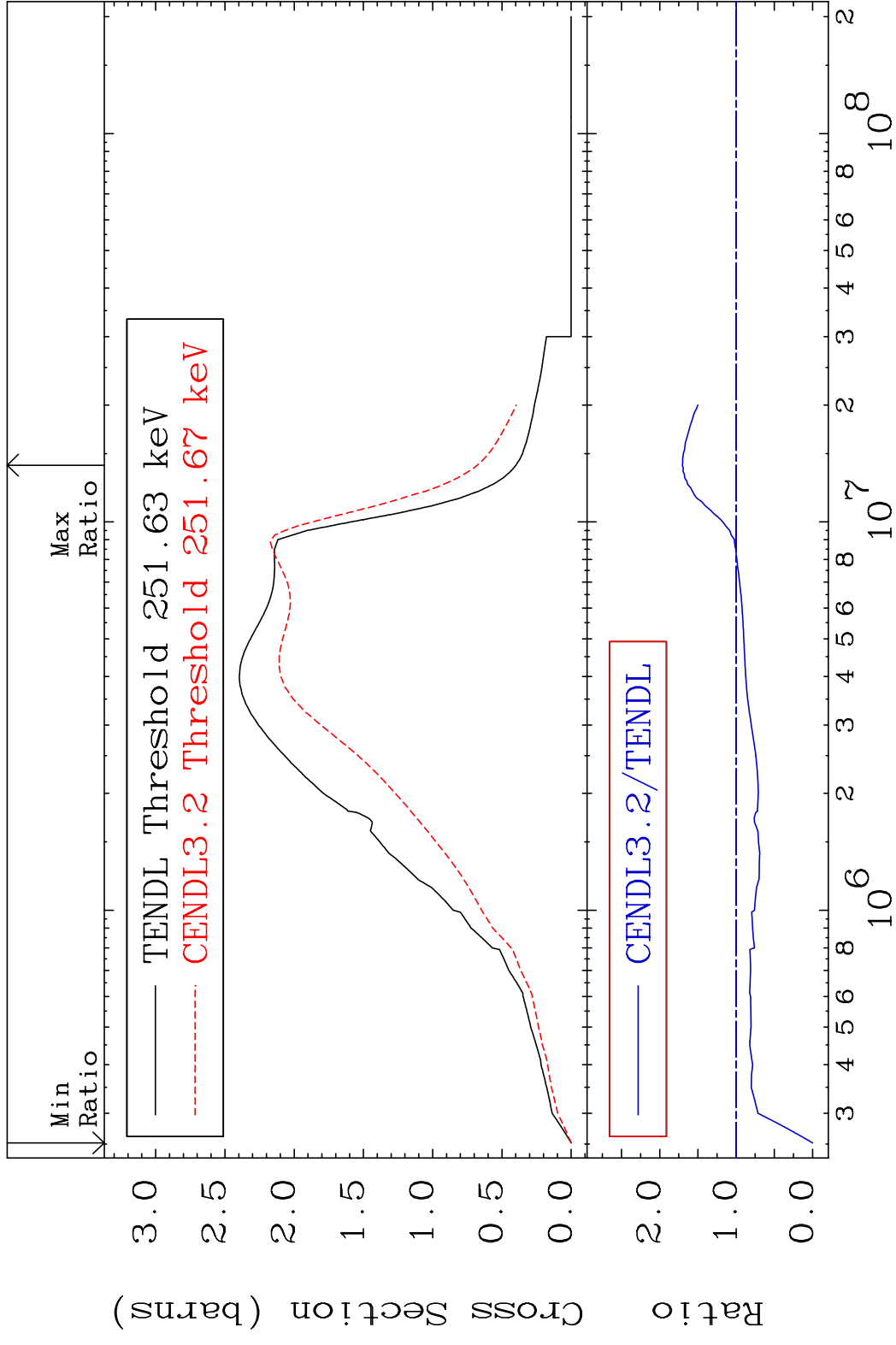


2

Incident Energy (eV)

55-Cs-135

MAT 5531 Inelastic 55-Cs-135
 Cross Section -100.0 To 70.38 %

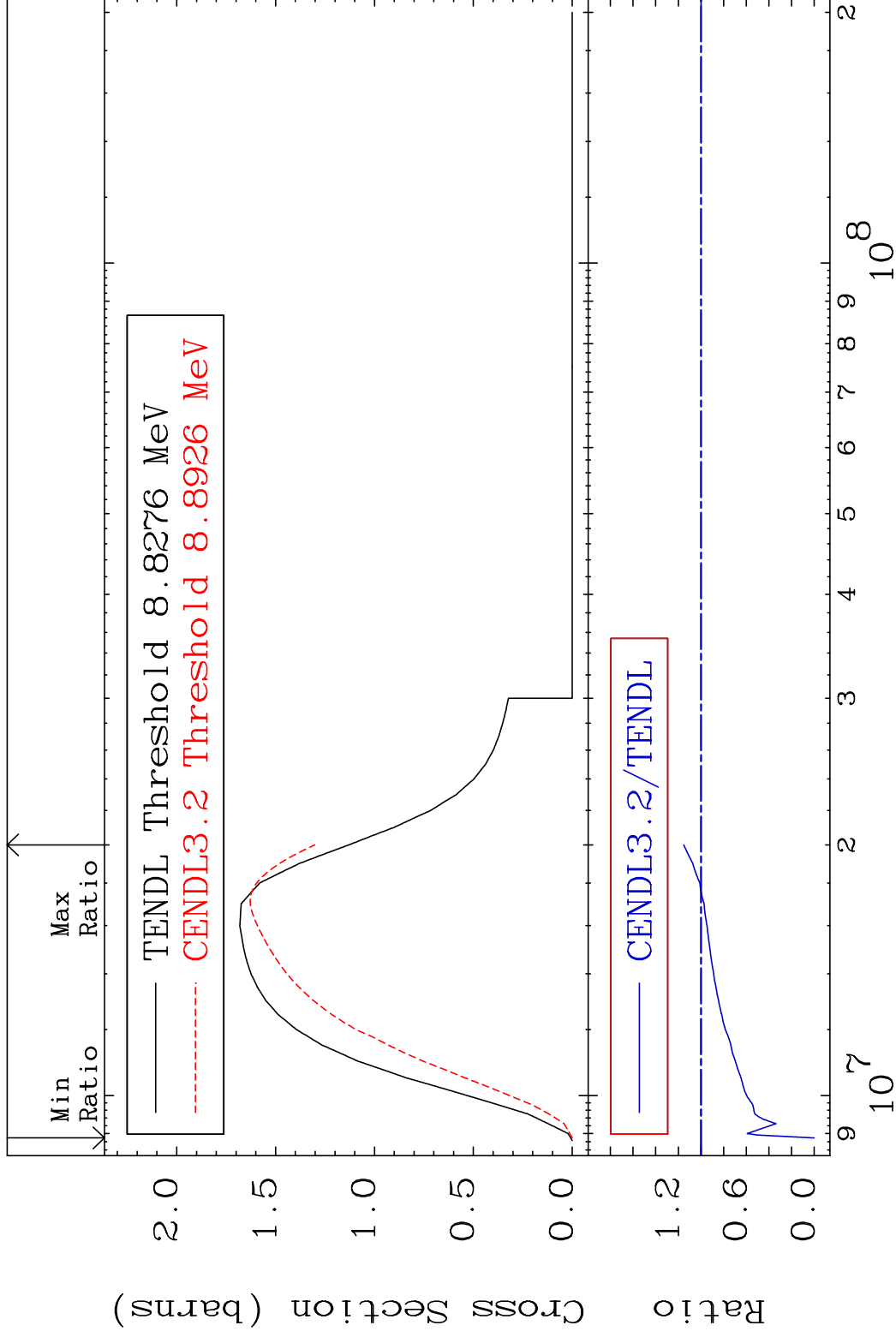


MAT 5531

(n,2n)

55-Cs-135

Cross Section -100.0 To 15.29 %



4

Incident Energy (eV)

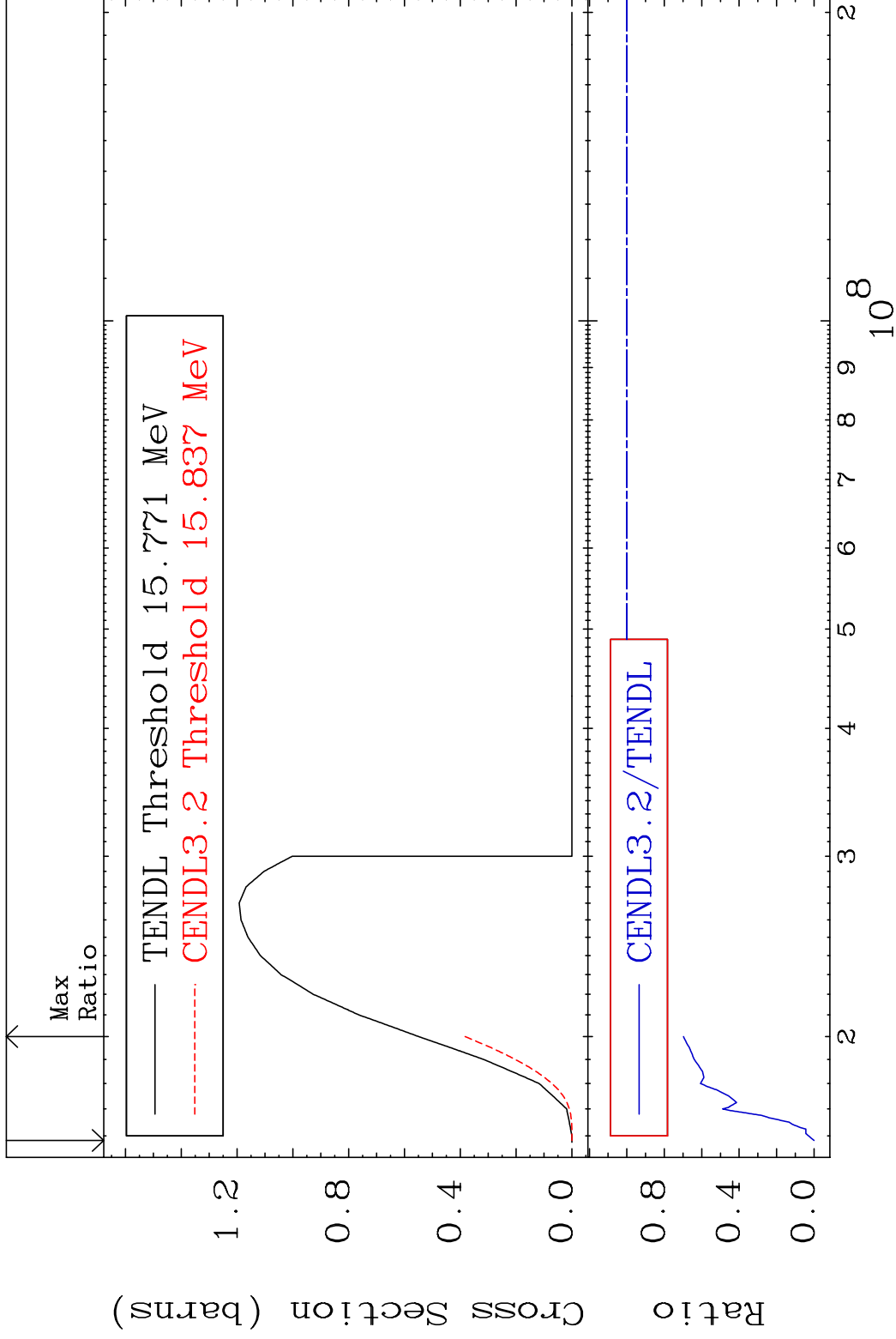
55-Cs-135

MAT 5531

(n,3n)

55-Cs-135

Cross Section -100.0 To -30.25%



5

Incident Energy (eV)

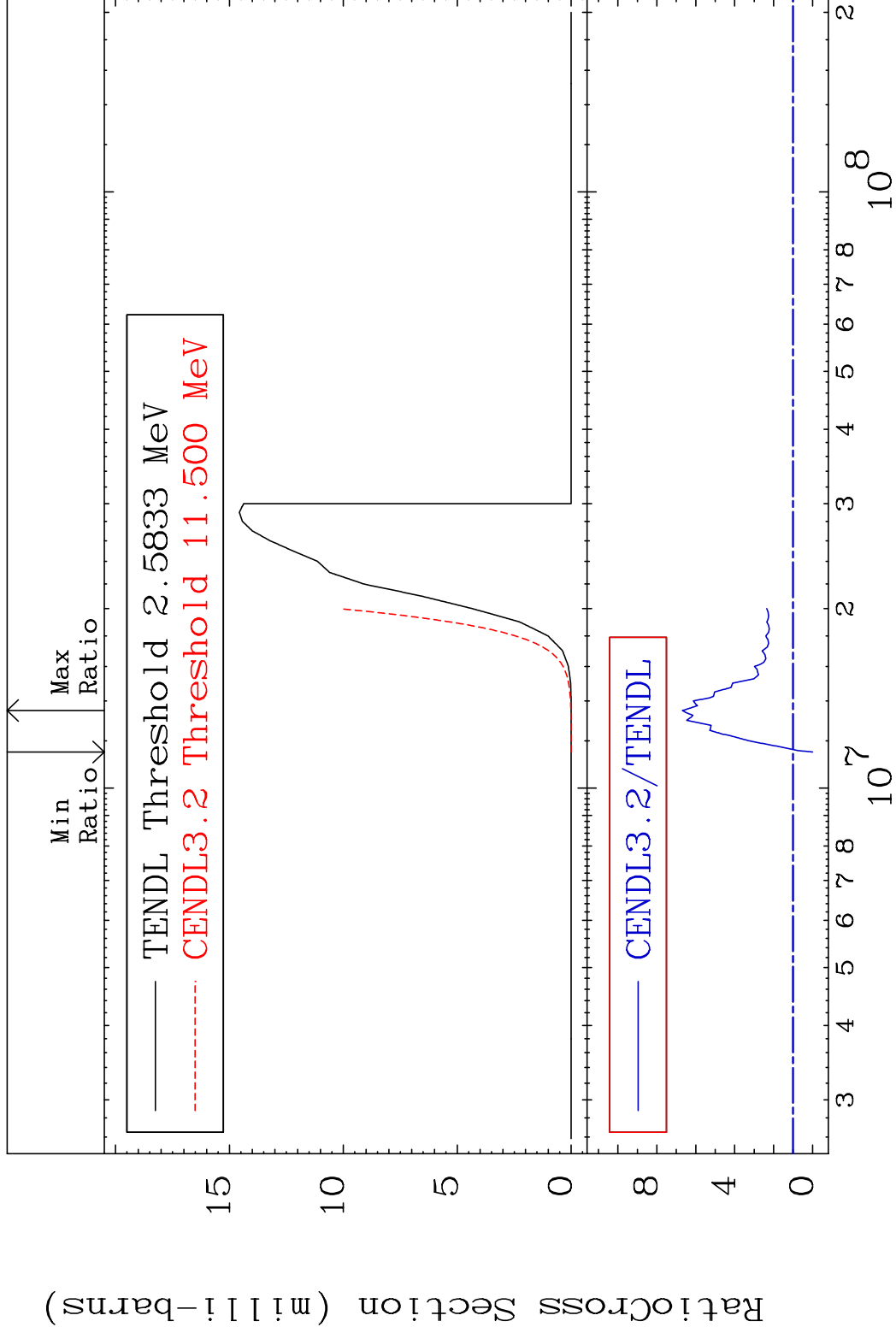
55-Cs-135

MAT 5531

(n, n') α

55-Cs-135

Cross Section -100.0 To 568.8 %



6

Incident Energy (eV)

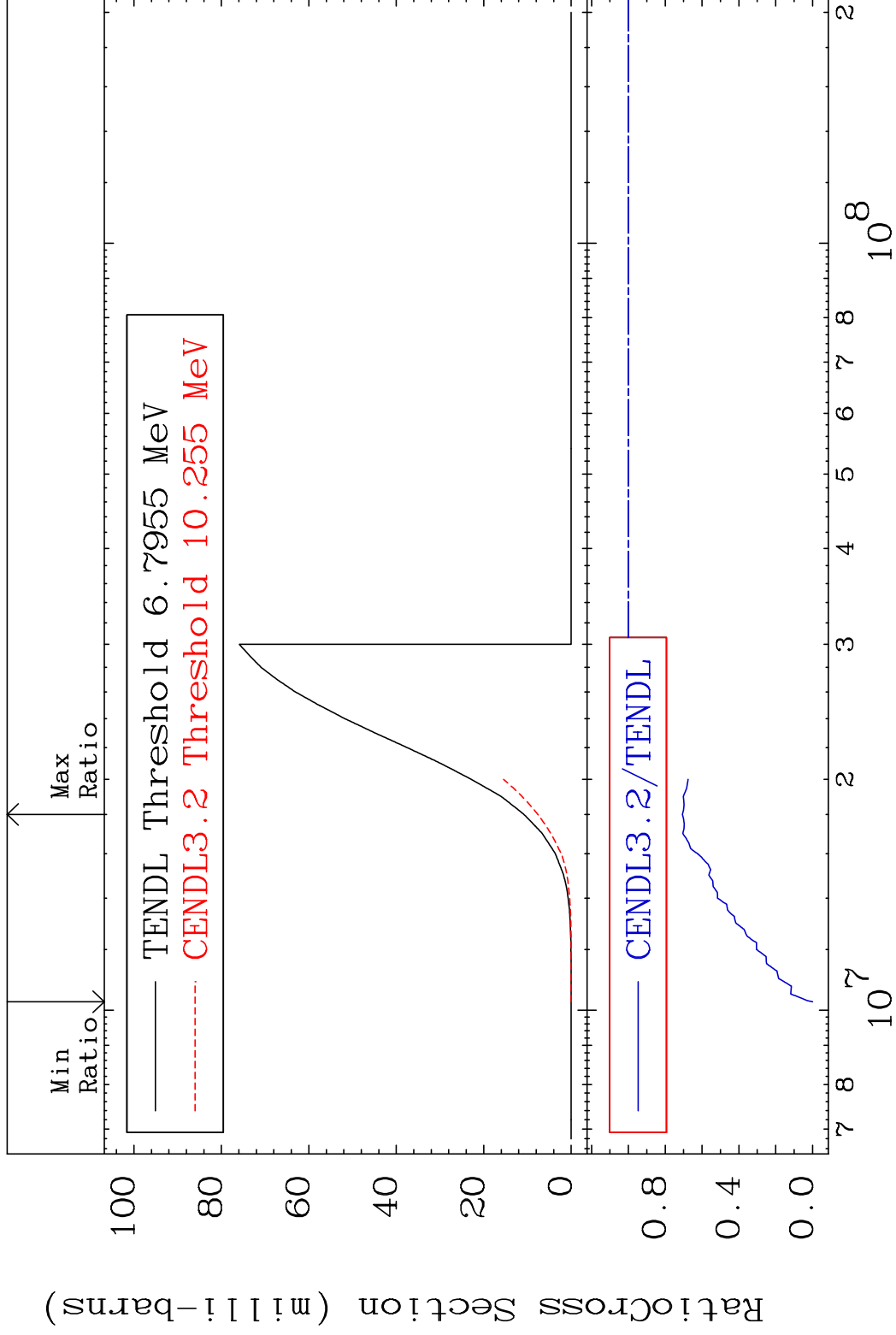
55-Cs-135

MAT 5531

(n, n') p

55-Cs-135

Cross Section -100.0 To -29.31%

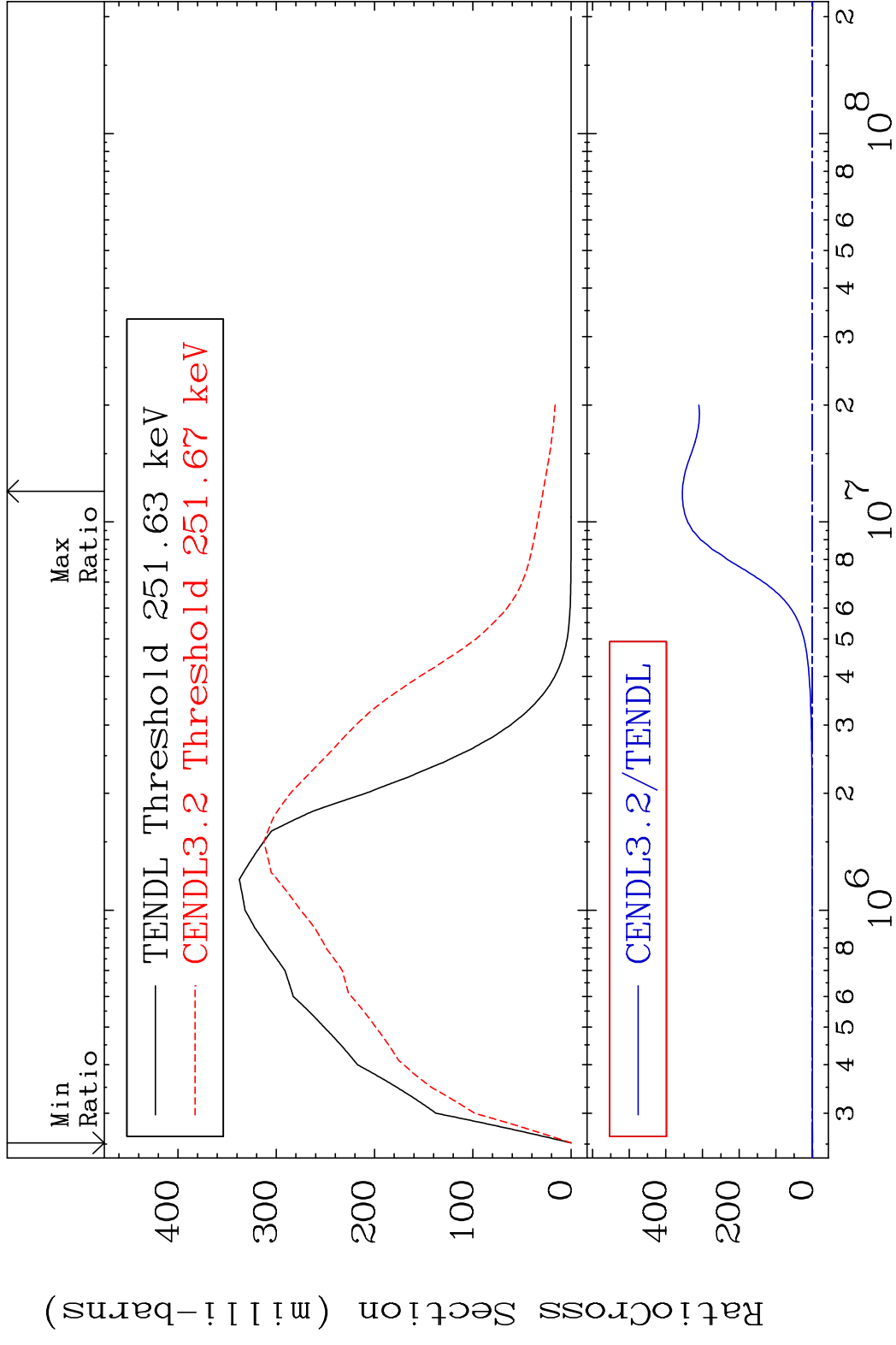


7

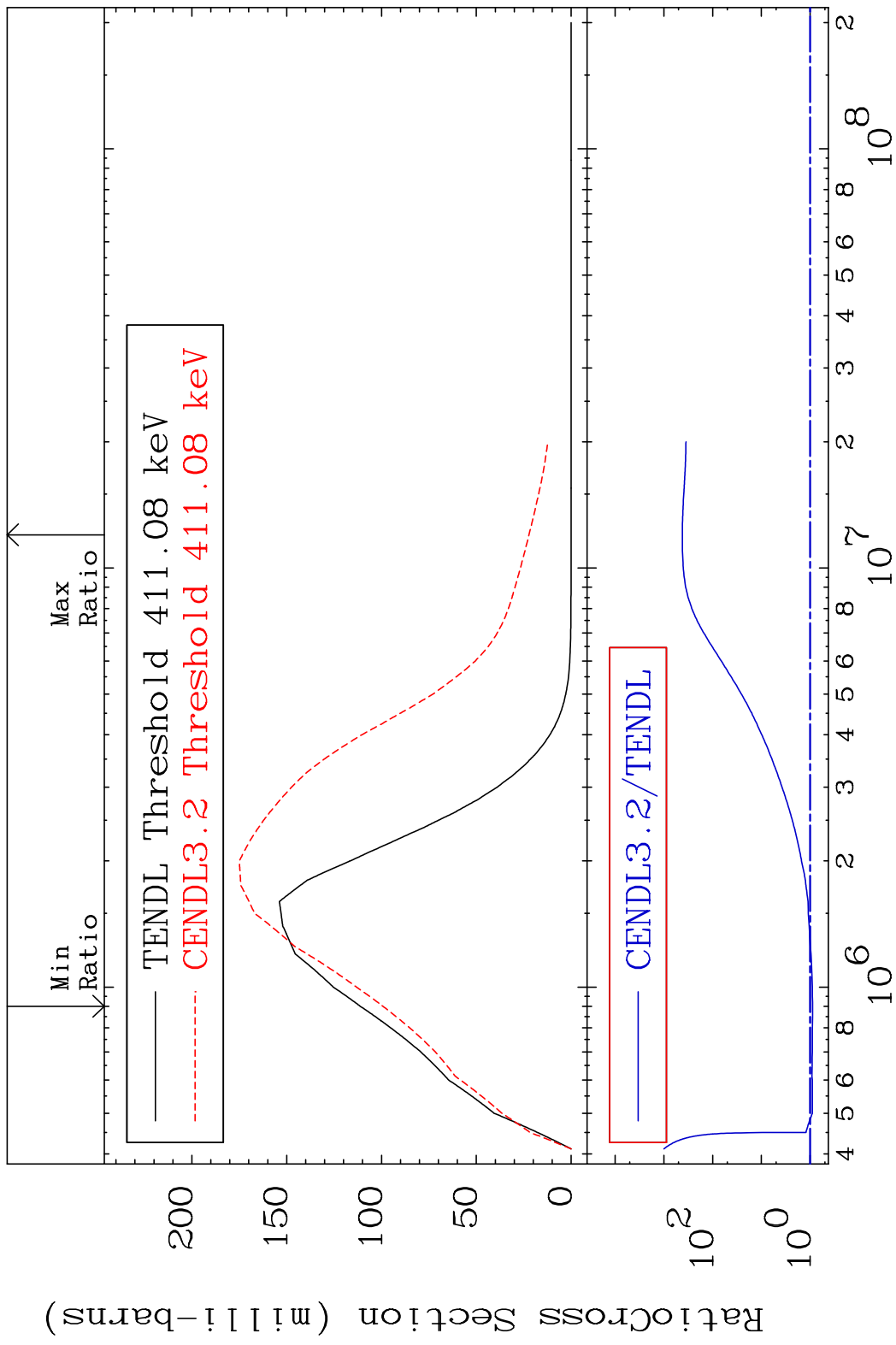
Incident Energy (eV)

55-Cs-135

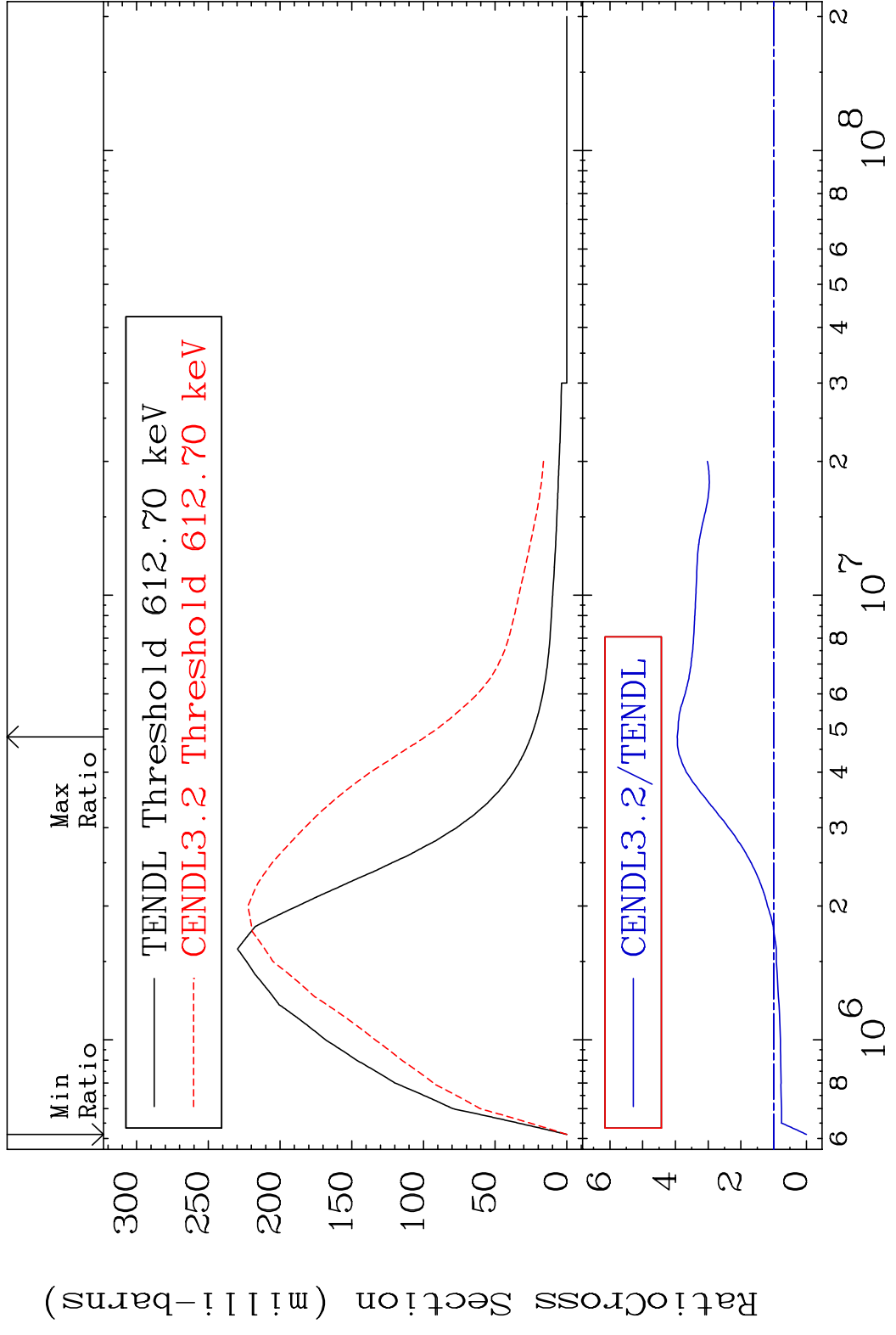
MAT 5531 MT= 51 (n, n') Level 55-Cs-135
 Cross Section -100.0 To 9999. %



MAT 5531 MT= 52 (n, n') Level 55-Cs-135
 Cross Section -10.77 To 9999. %



MAT 5531 MT= 53 (n, n') Level 55-Cs-135
 Cross Section -100.0 To 294.6 %



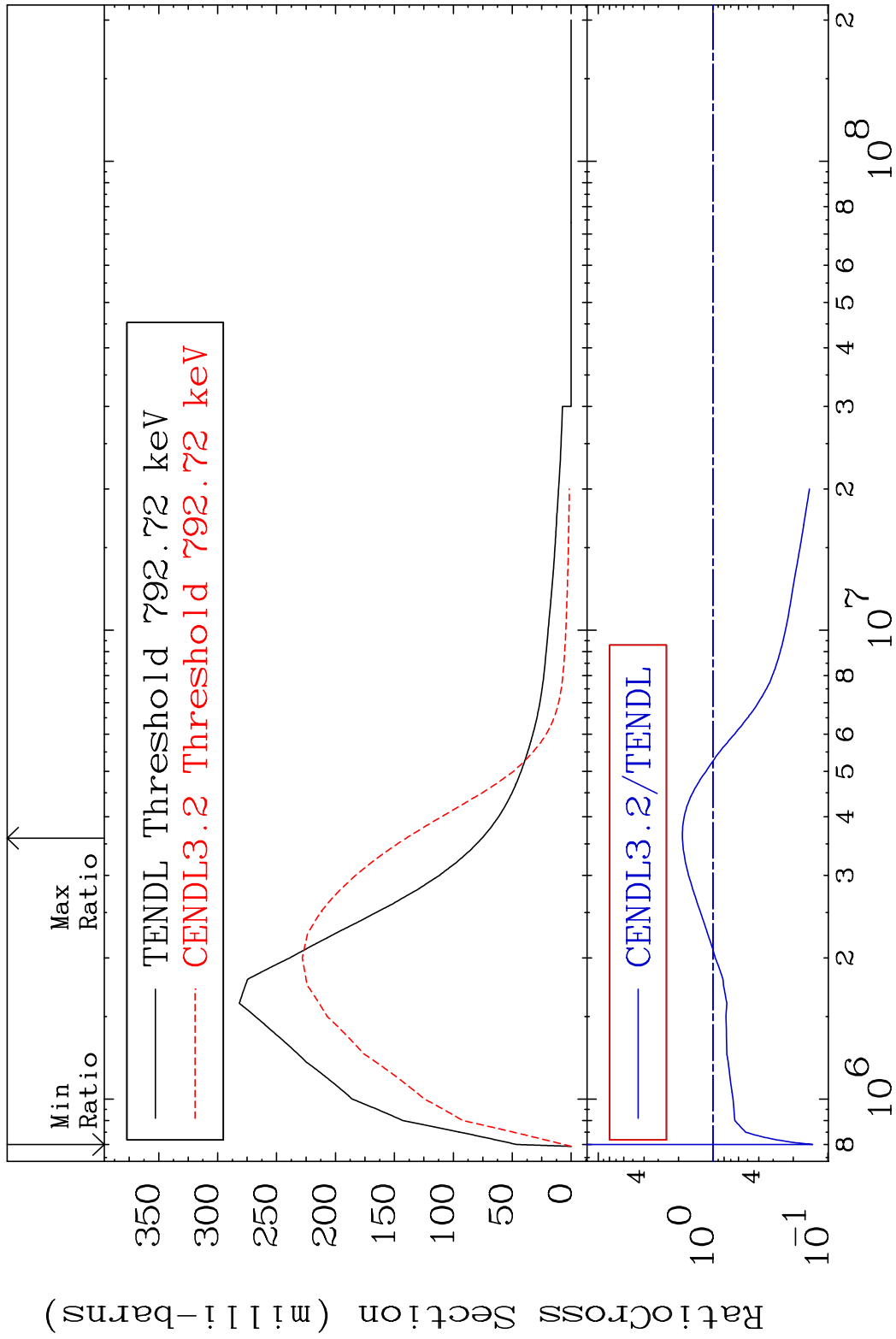
10 Incident Energy (eV) 55-Cs-135

MAT 5531

MT= 54 (n,n') Level

55-Cs-135

Cross Section -86.42 To 85.18 %



11

Incident Energy (eV)

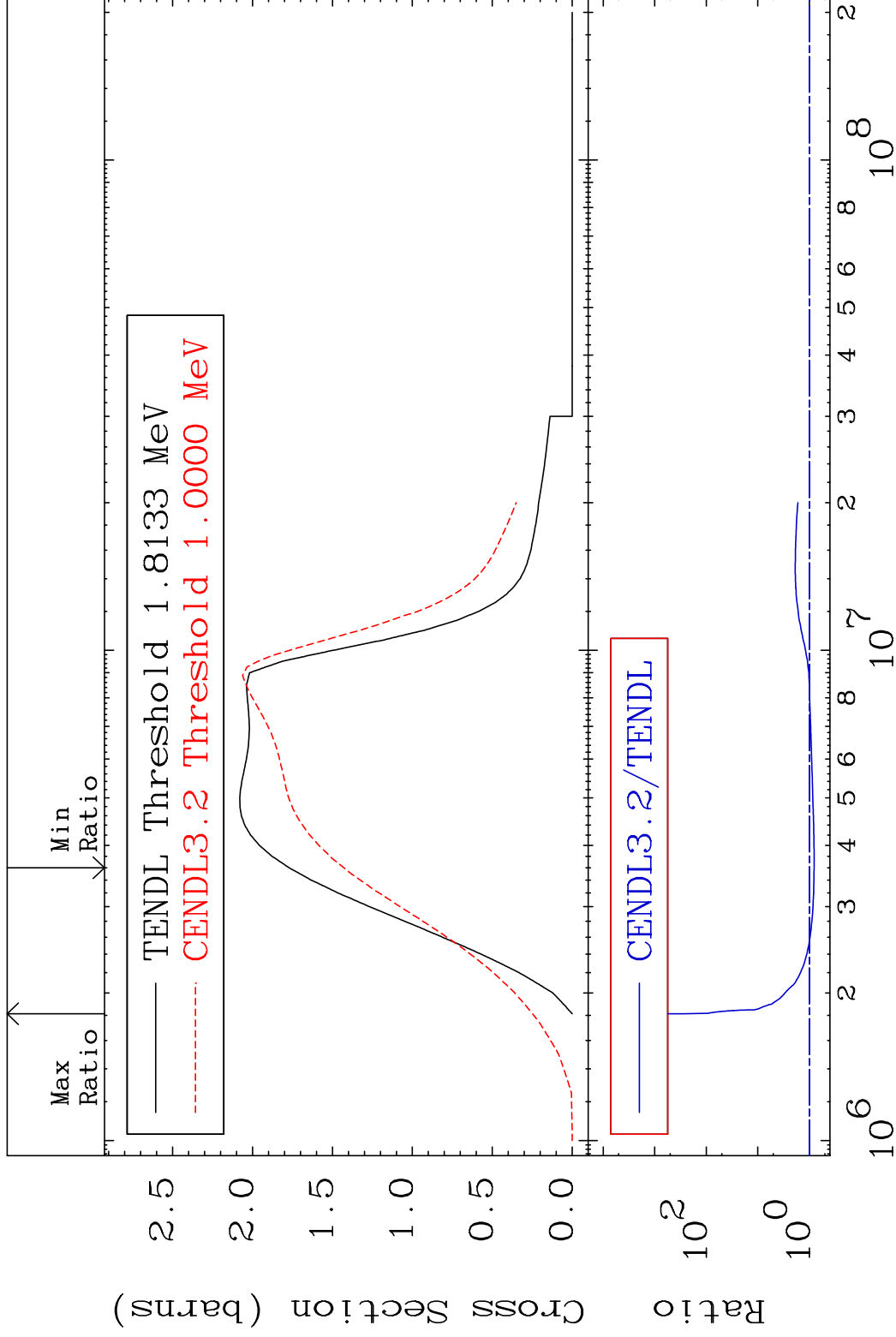
55-Cs-135

MAT 5531

(n,n') Continuum

55-Cs-135

Cross Section -19.37 To 9999. %



12

Incident Energy (eV)

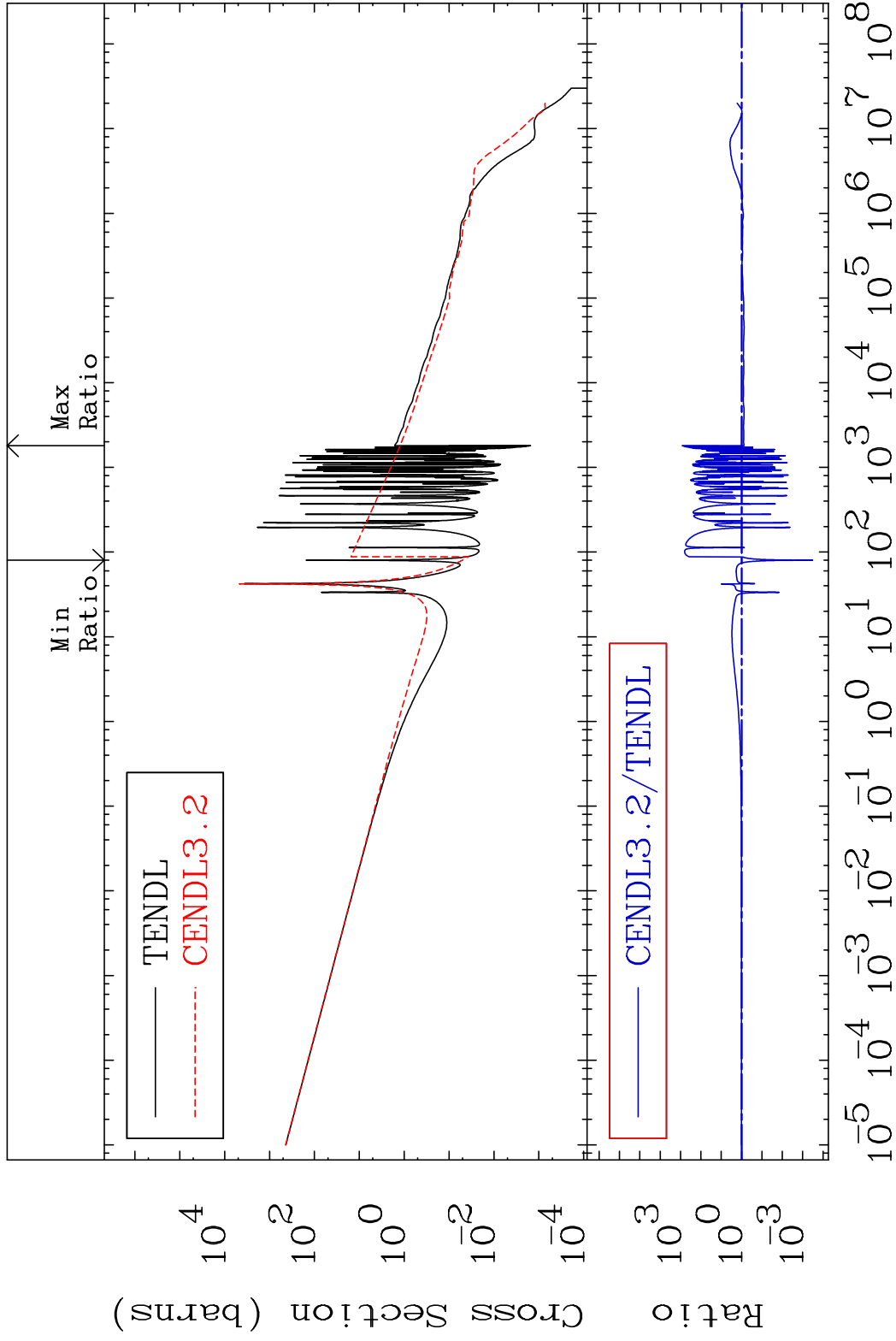
55-Cs-135

MAT 5531

(n, γ)

55-Cs-135

Cross Section -99.97 To 9999. %



13

Incident Energy (eV)

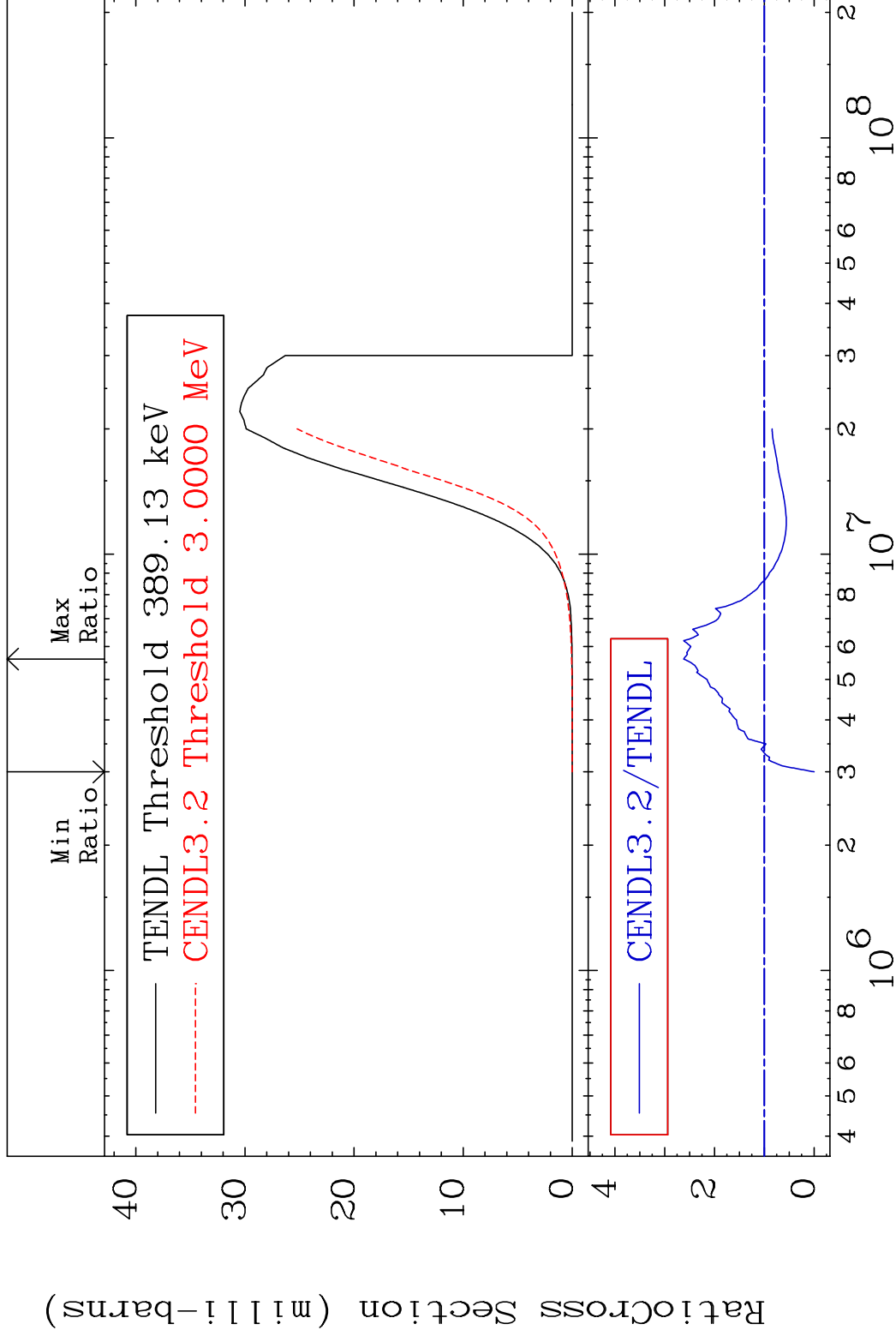
55-Cs-135

MAT 5531

(n, p)

55-Cs-135

Cross Section -100.0 To 161.9 %



14

Incident Energy (eV)

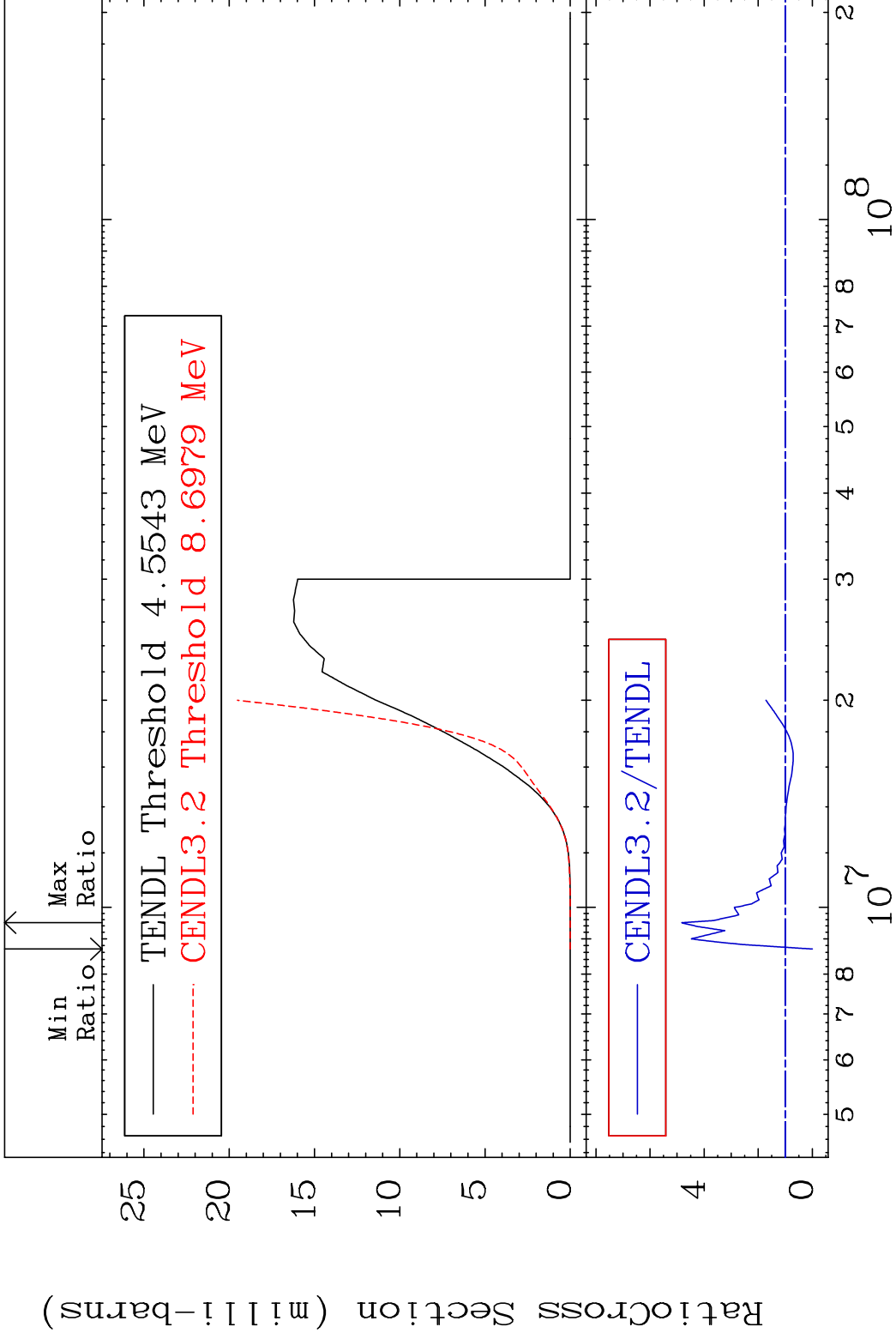
55-Cs-135

MAT 5531

(n,d)

55-Cs-135

Cross Section -100.0 To 382.7 %



15

Incident Energy (eV)

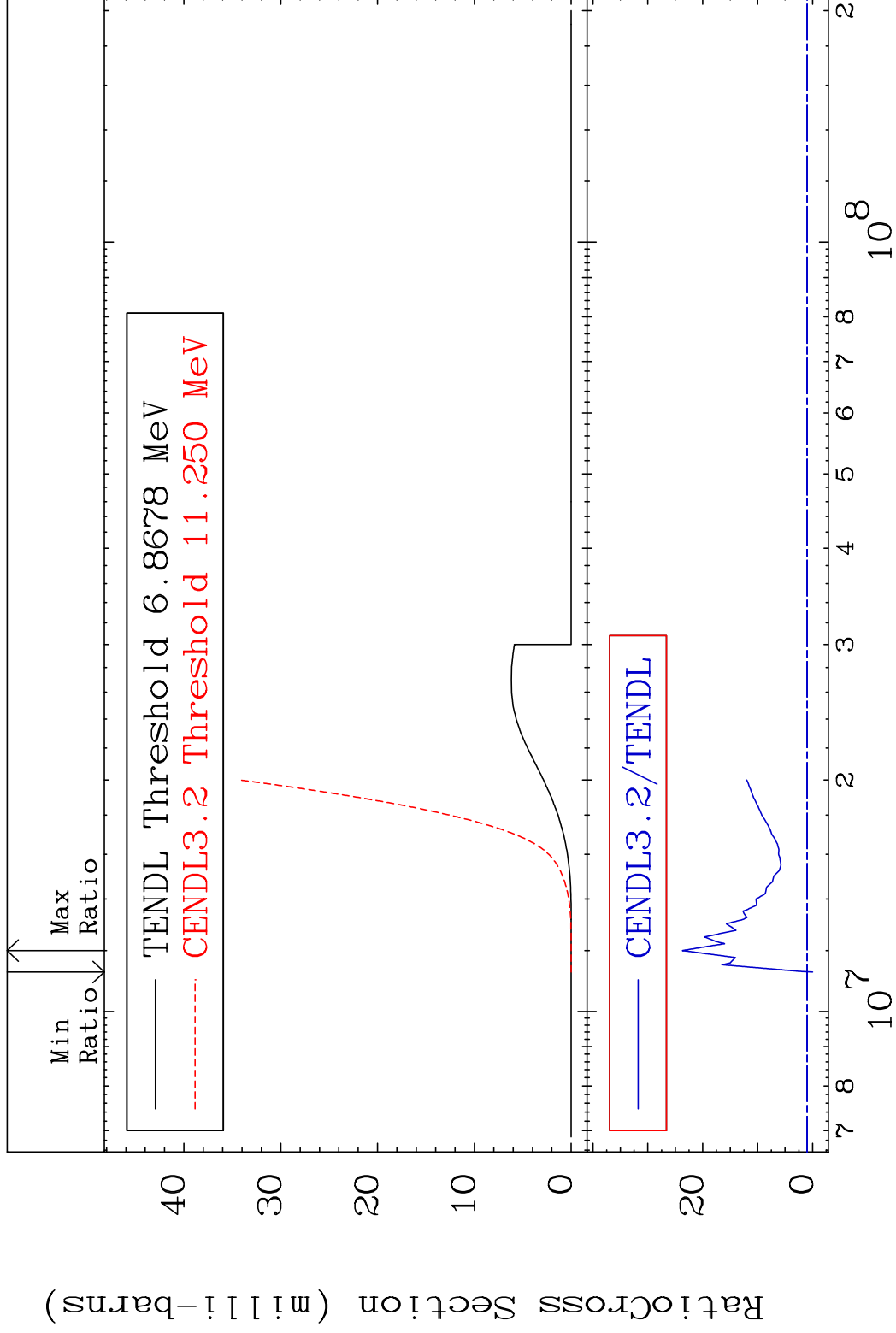
55-Cs-135

MAT 5531

(n, t)

55-Cs-135

Cross Section -100.0 To 2271. %



16

Incident Energy (eV)

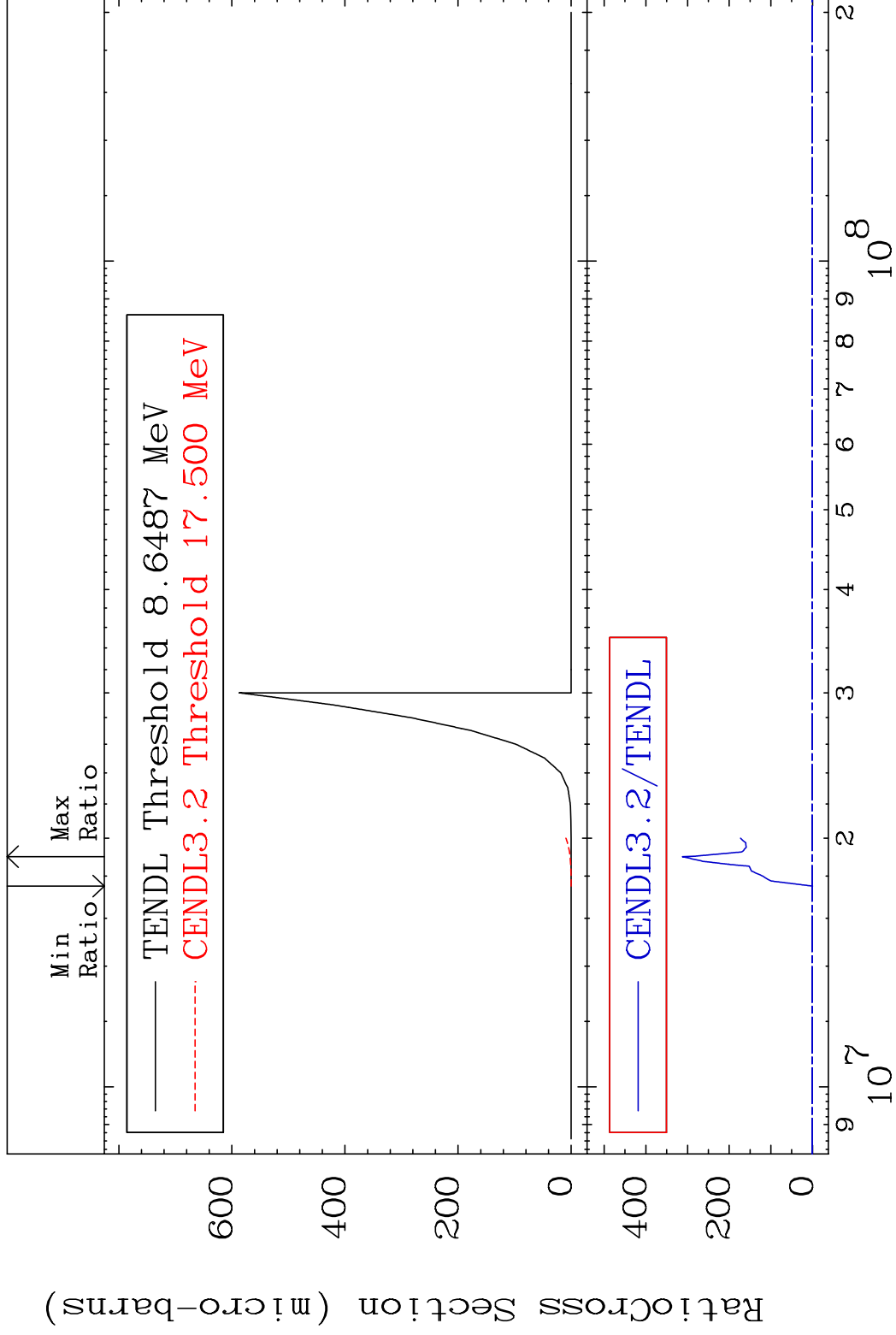
55-Cs-135

MAT 5531

(n, He-3)

55-Cs-135

Cross Section -100.0 To 9999. %



17

Incident Energy (eV)

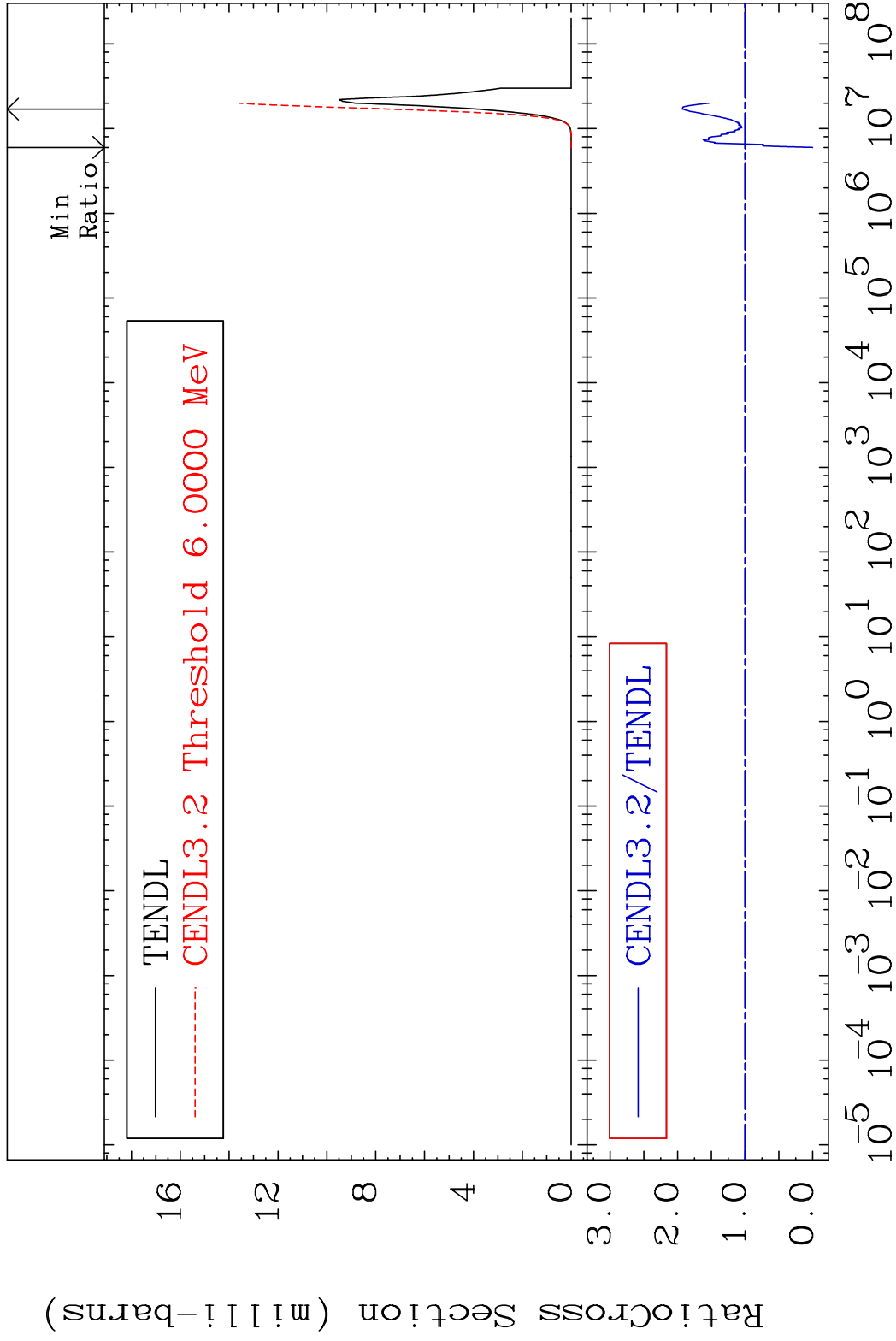
55-Cs-135

MAT 5531

(n, α)

55-Cs-135

Cross Section -100.0 To 93.03 %



18

Incident Energy (eV)

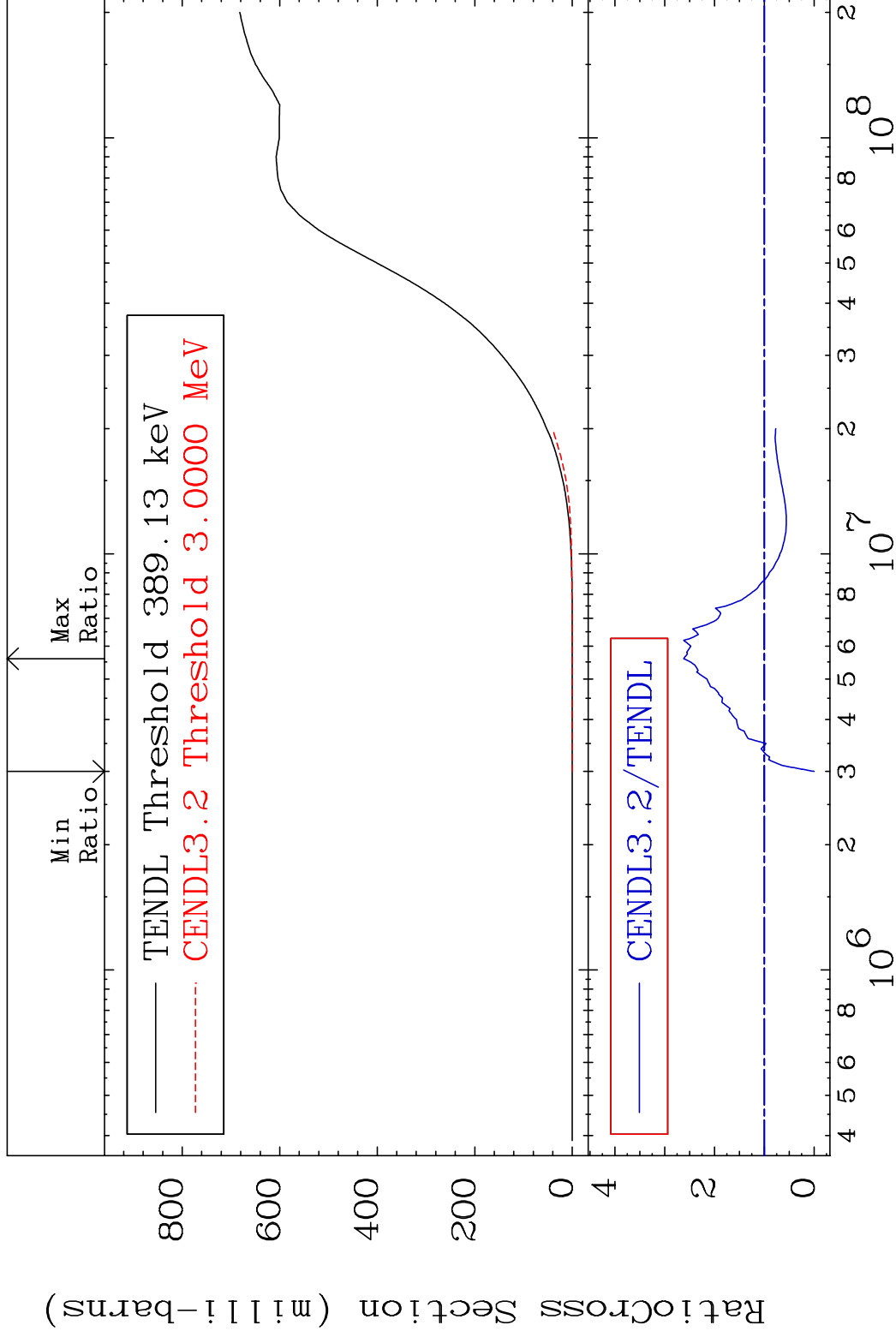
55-Cs-135

MAT 5531

Hydrogen Production

55-Cs-135

Cross Section -100.0 To 161.9 %

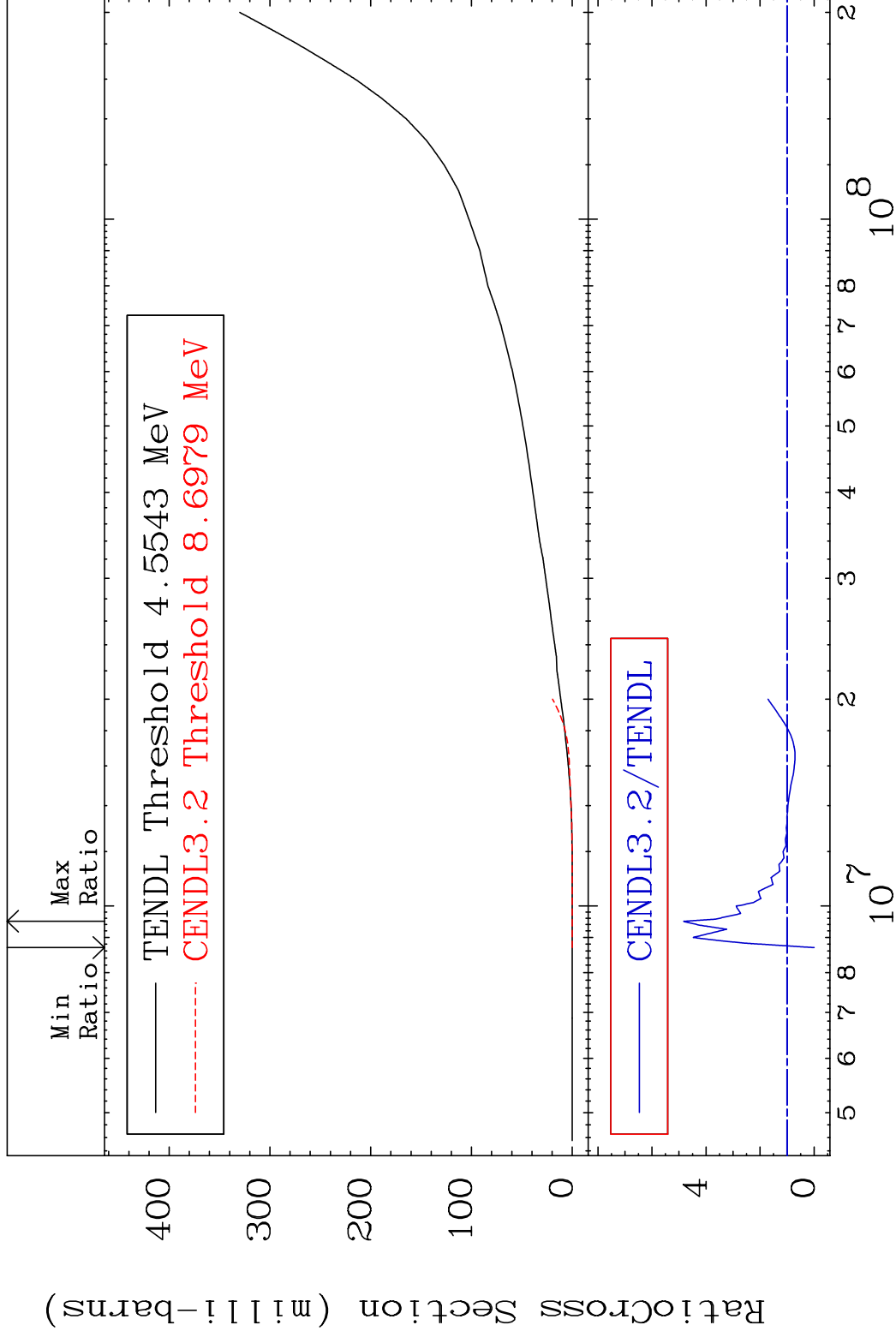


MAT 5531

Deuterium Production

55-Cs-135

Cross Section -100.0 To 382.7 %

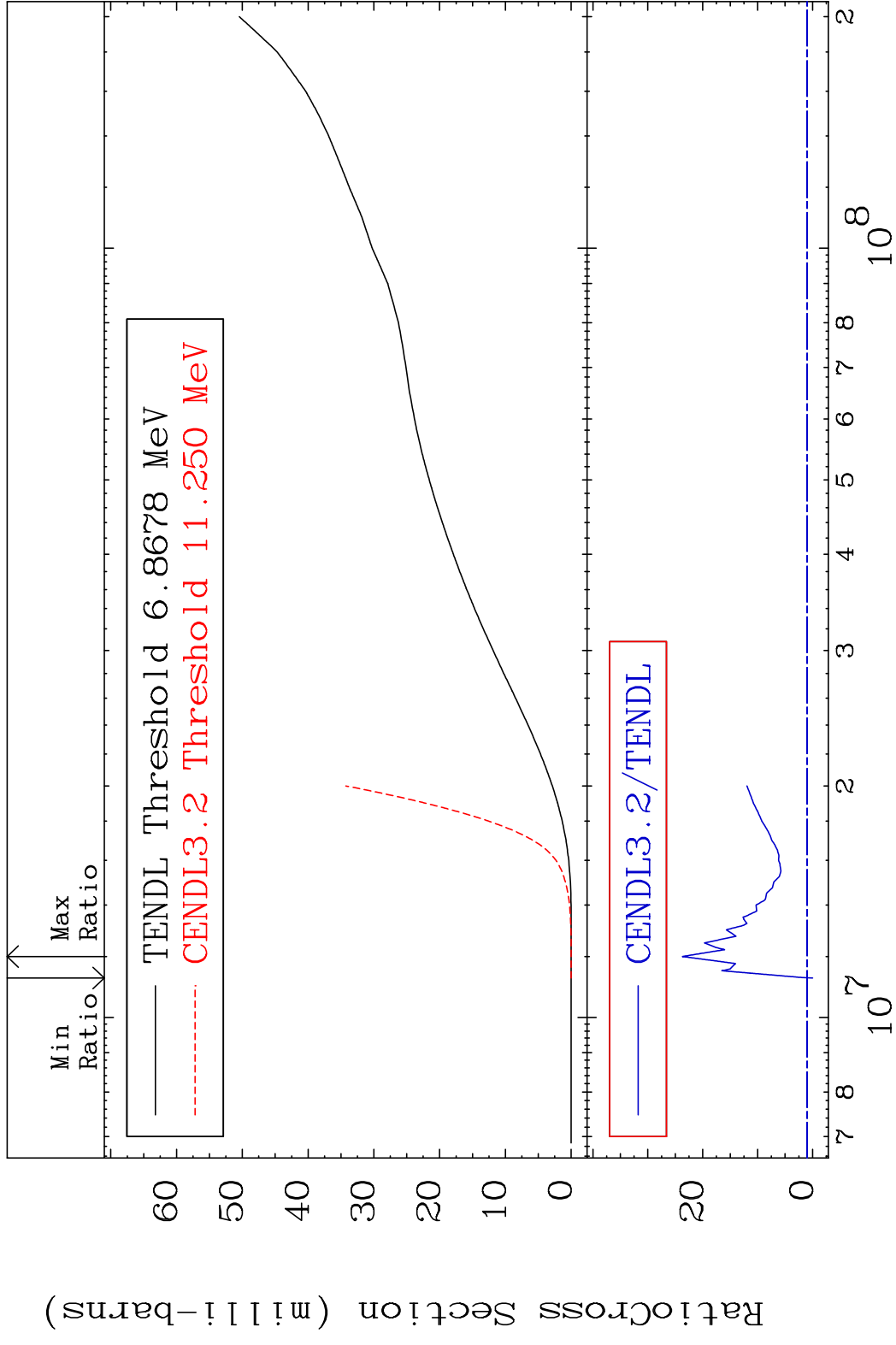


20

Incident Energy (eV)

55-Cs-135

MAT 5531 Tritium Production 55-Cs-135
 Cross Section -100.0 To 2271. %

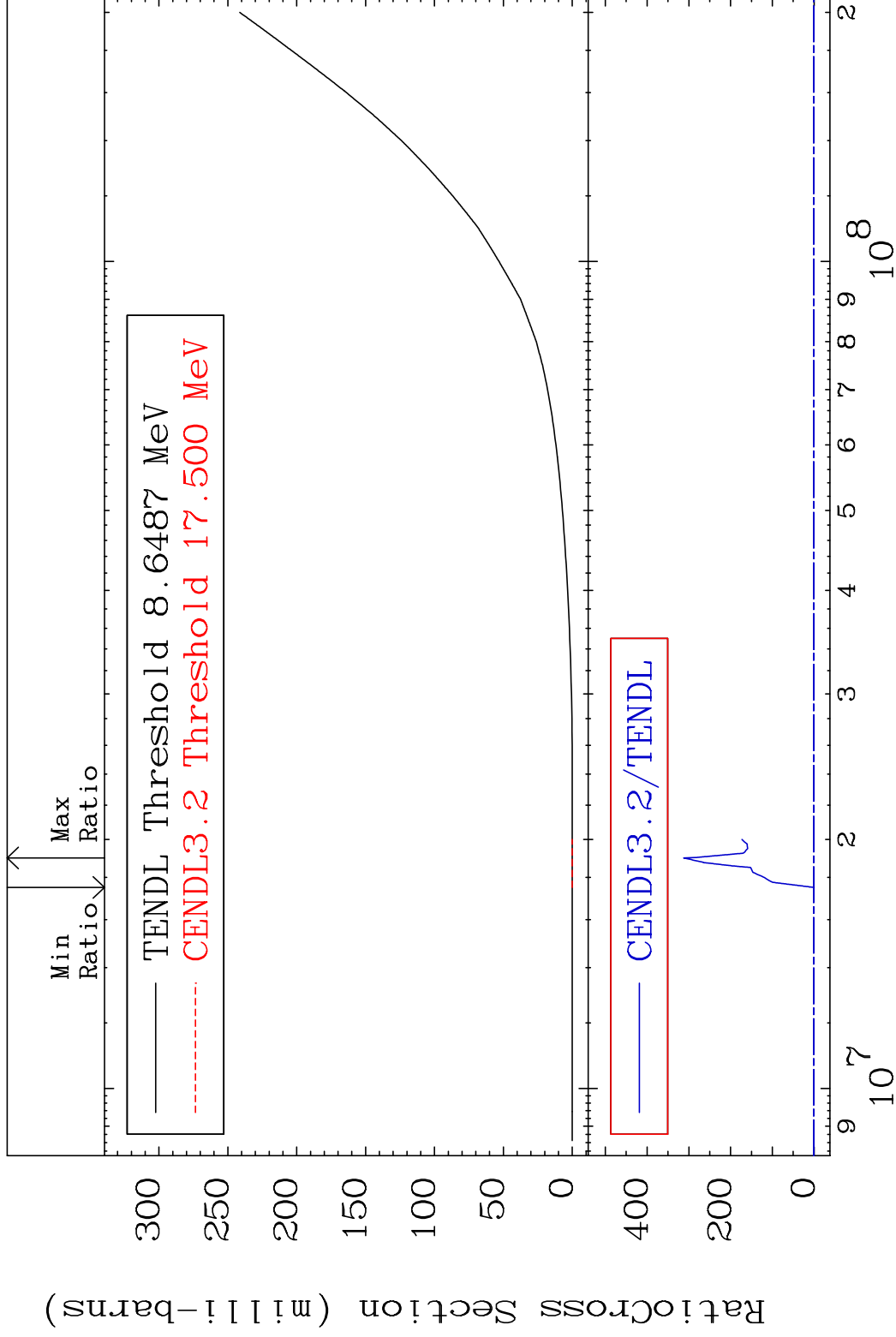


MAT 5531

He-3 Production

55-Cs-135

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

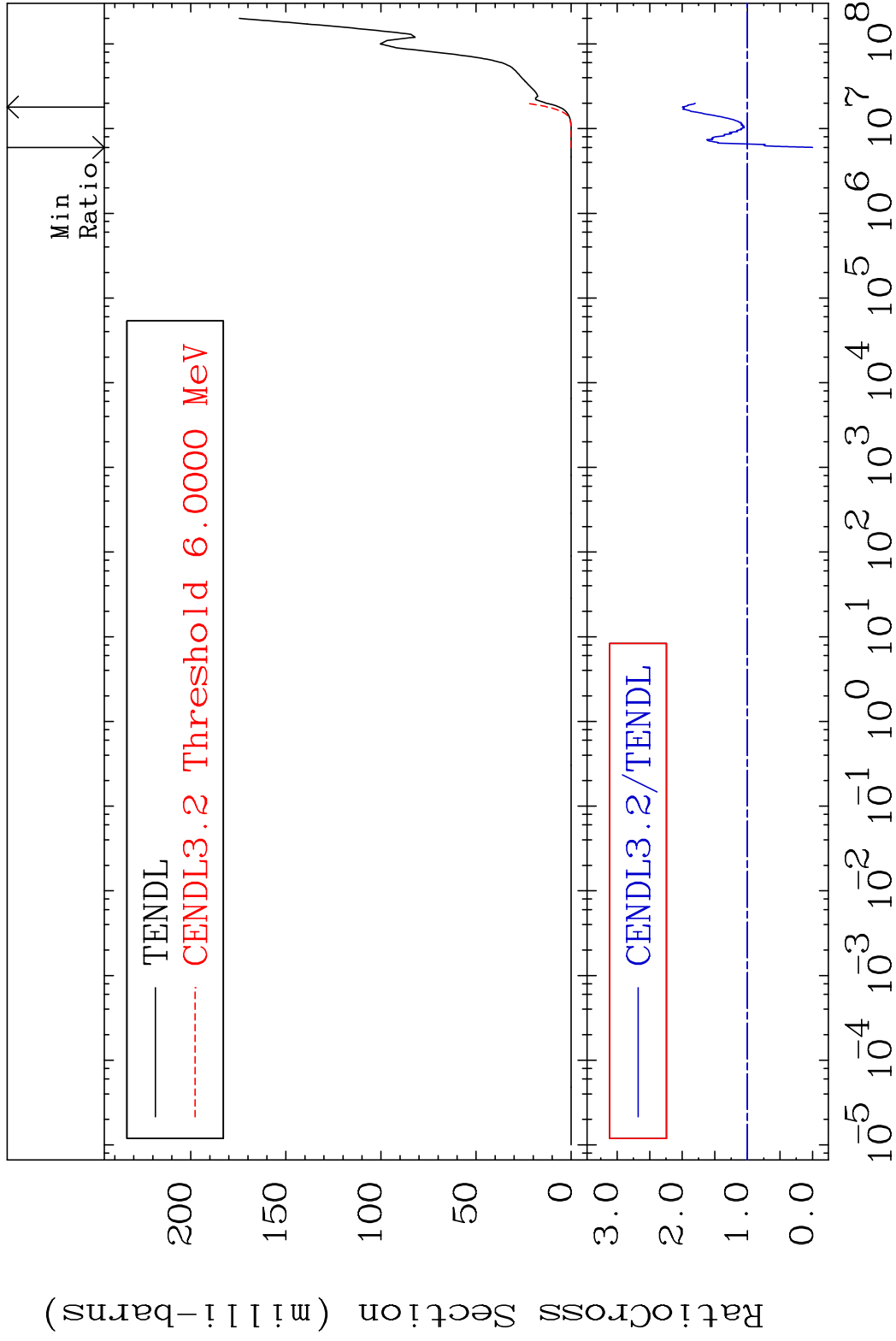
55-Cs-135

MAT 5531

He-4 Production

55-Cs-135

Cross Section -100.0 To 99.86 %

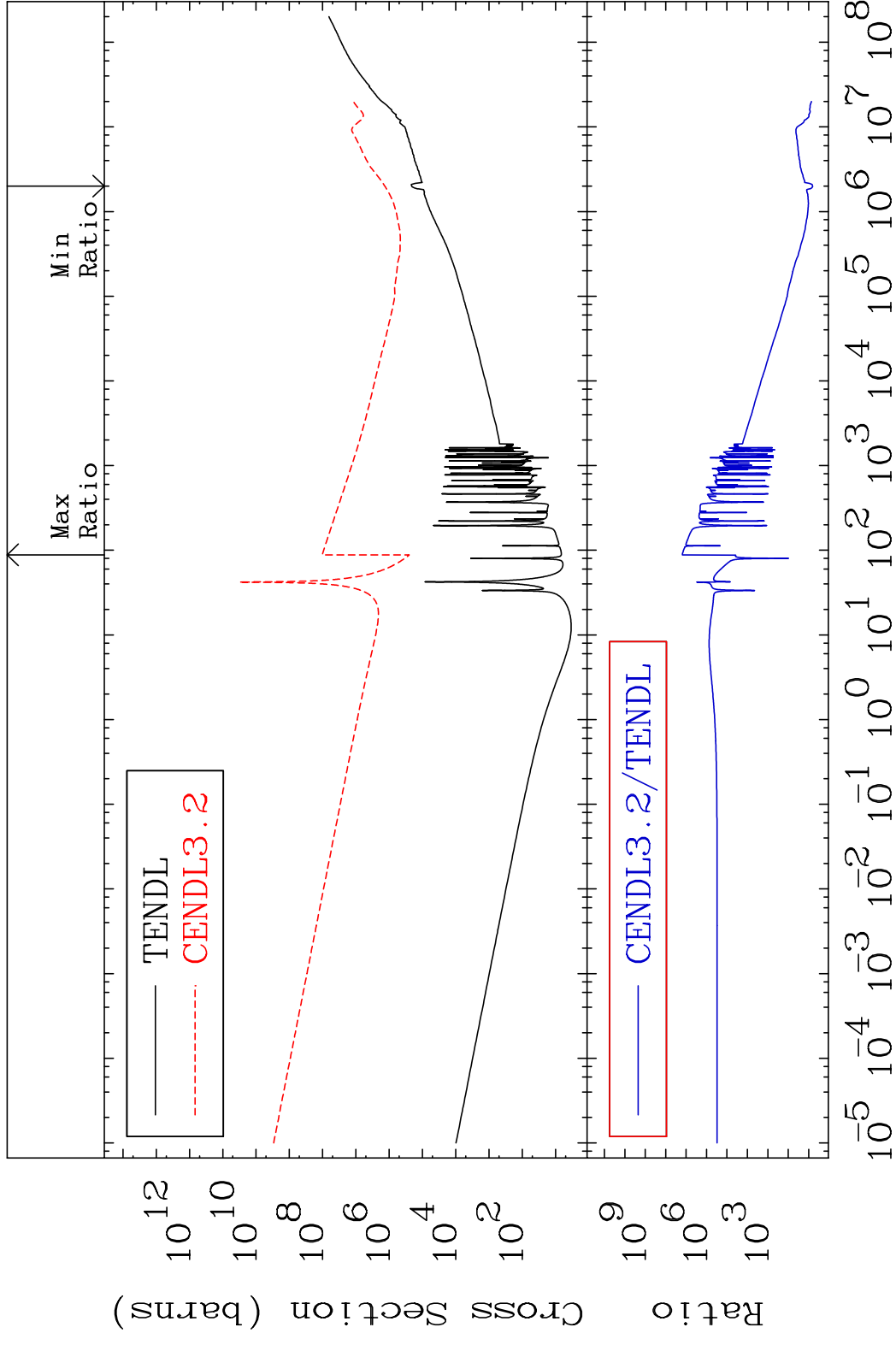


23

Incident Energy (eV)

55-Cs-135

MAT 5531 Kerma total (eV-barns) 55-Cs-135
 Cross Section 543.4 To 9999. %

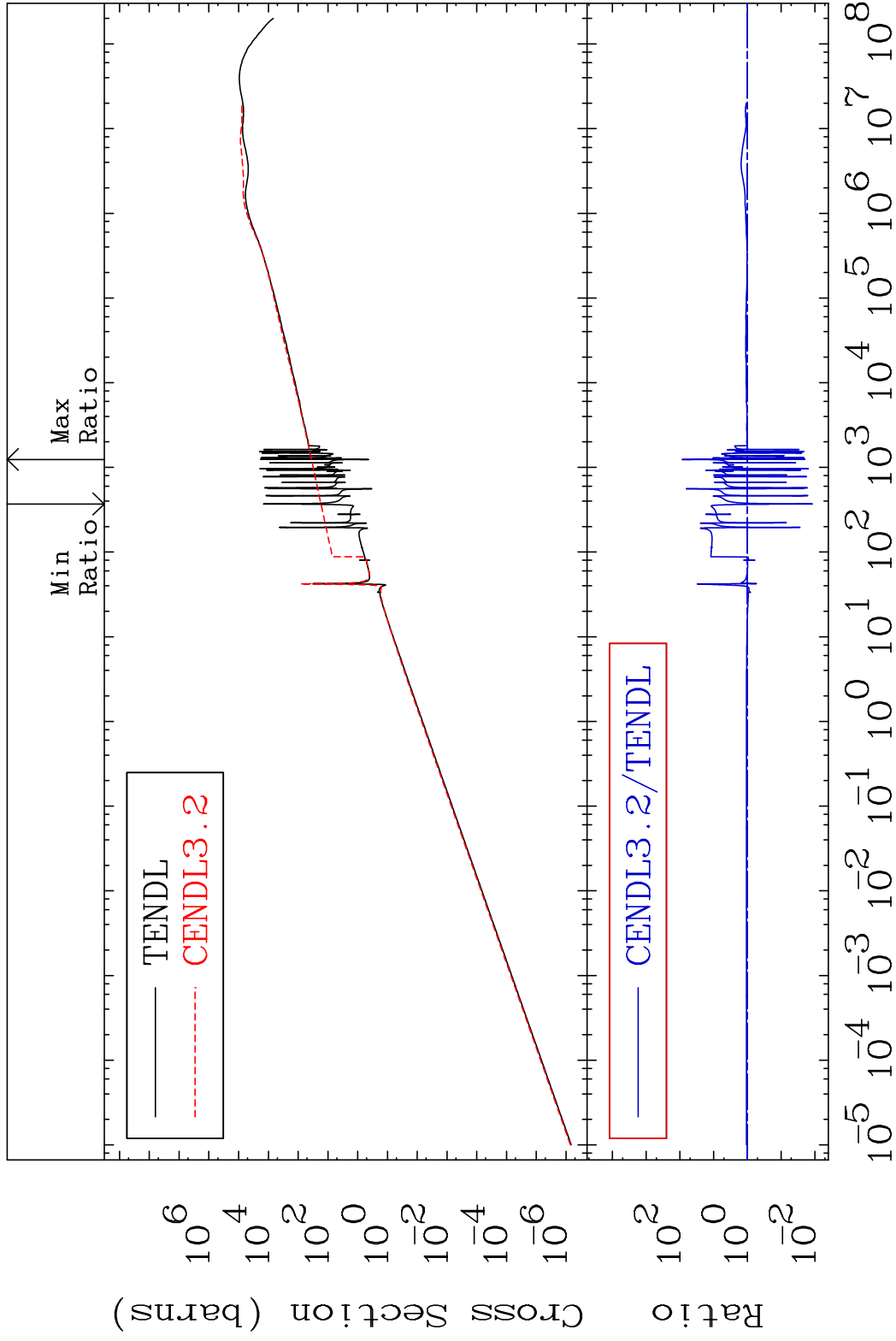


MAT 5531

Kerma elastic

55-Cs-135

Cross Section -98.83 To 8368. %

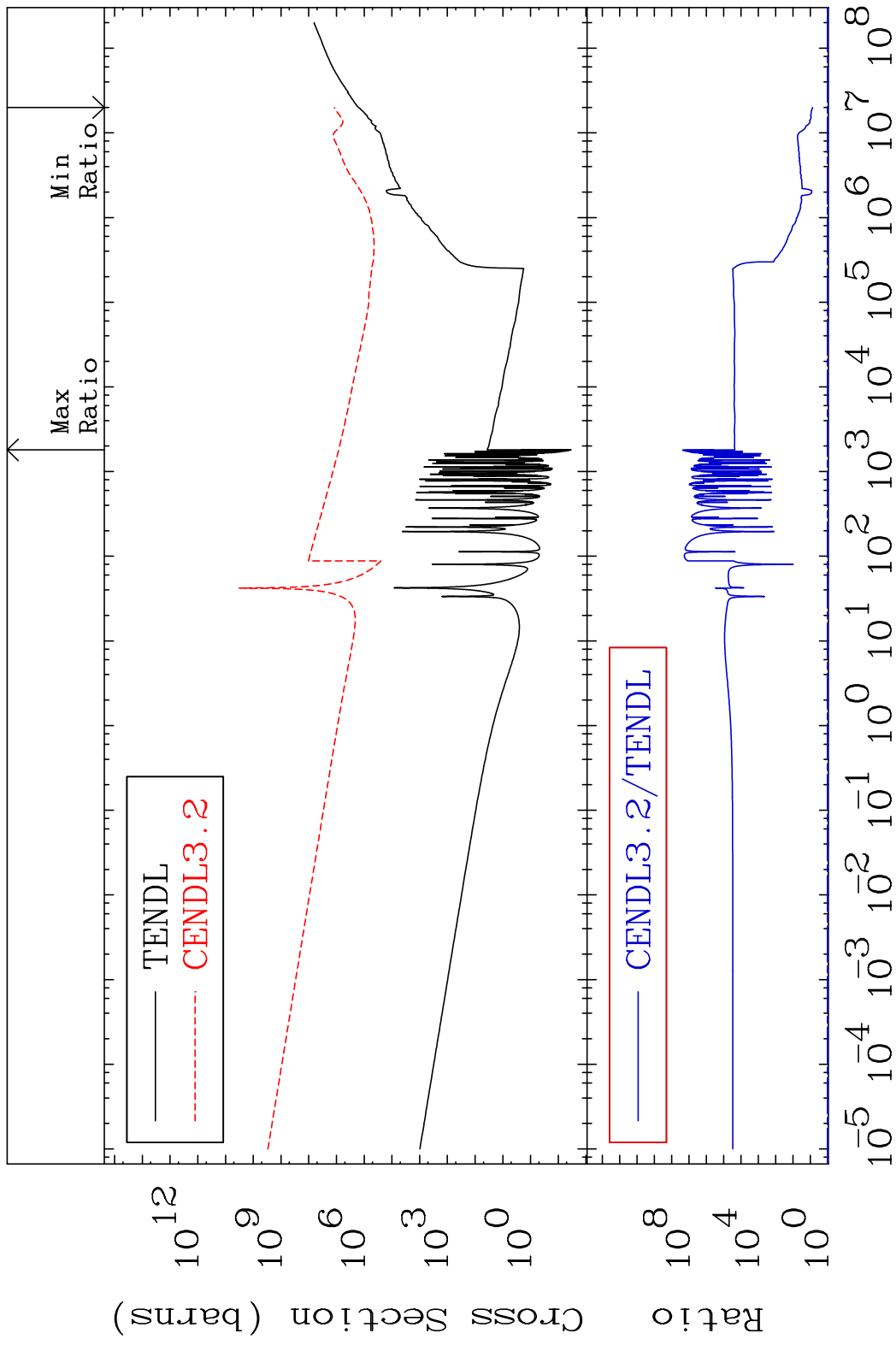


25

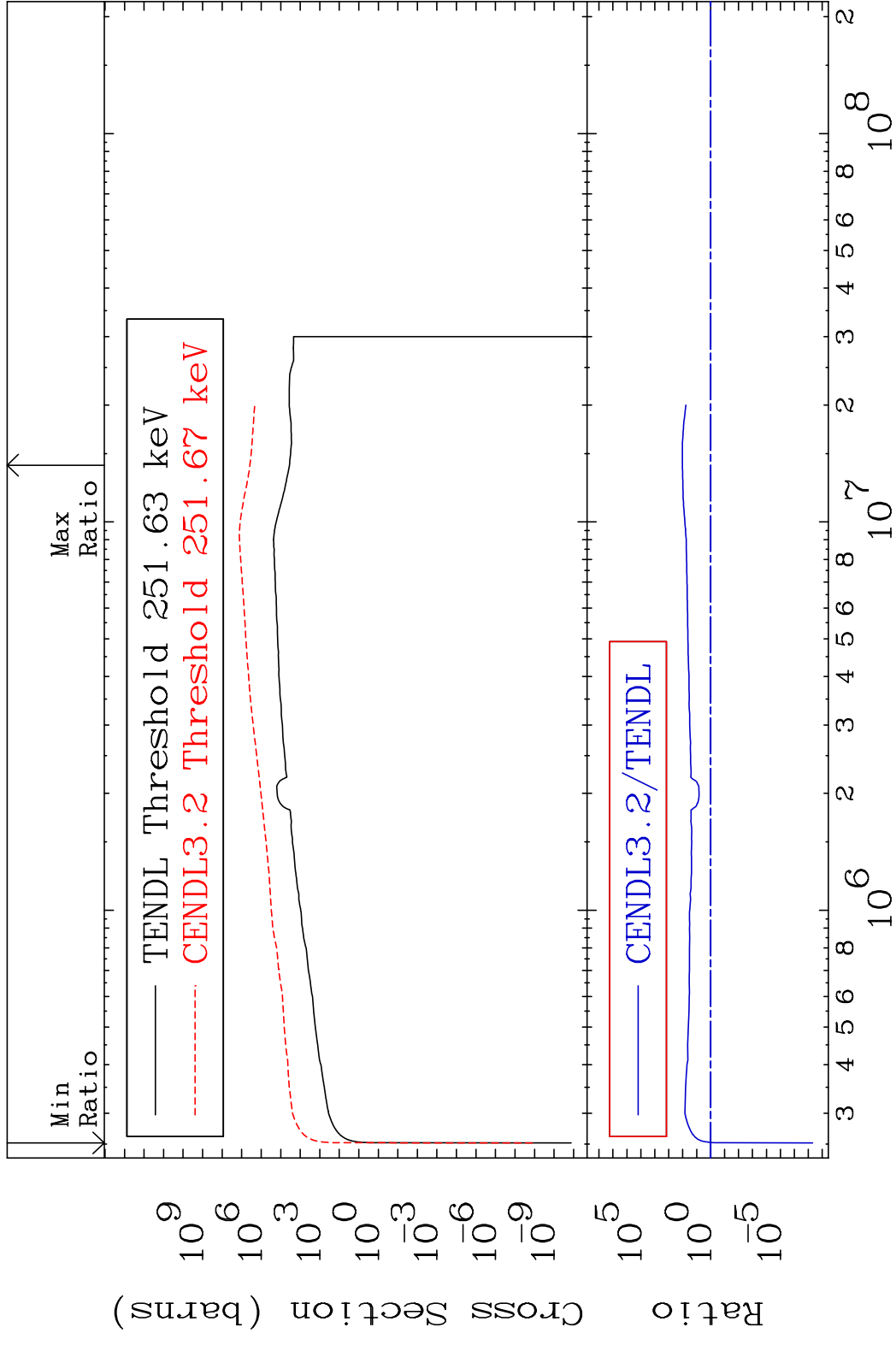
Incident Energy (eV)

55-Cs-135

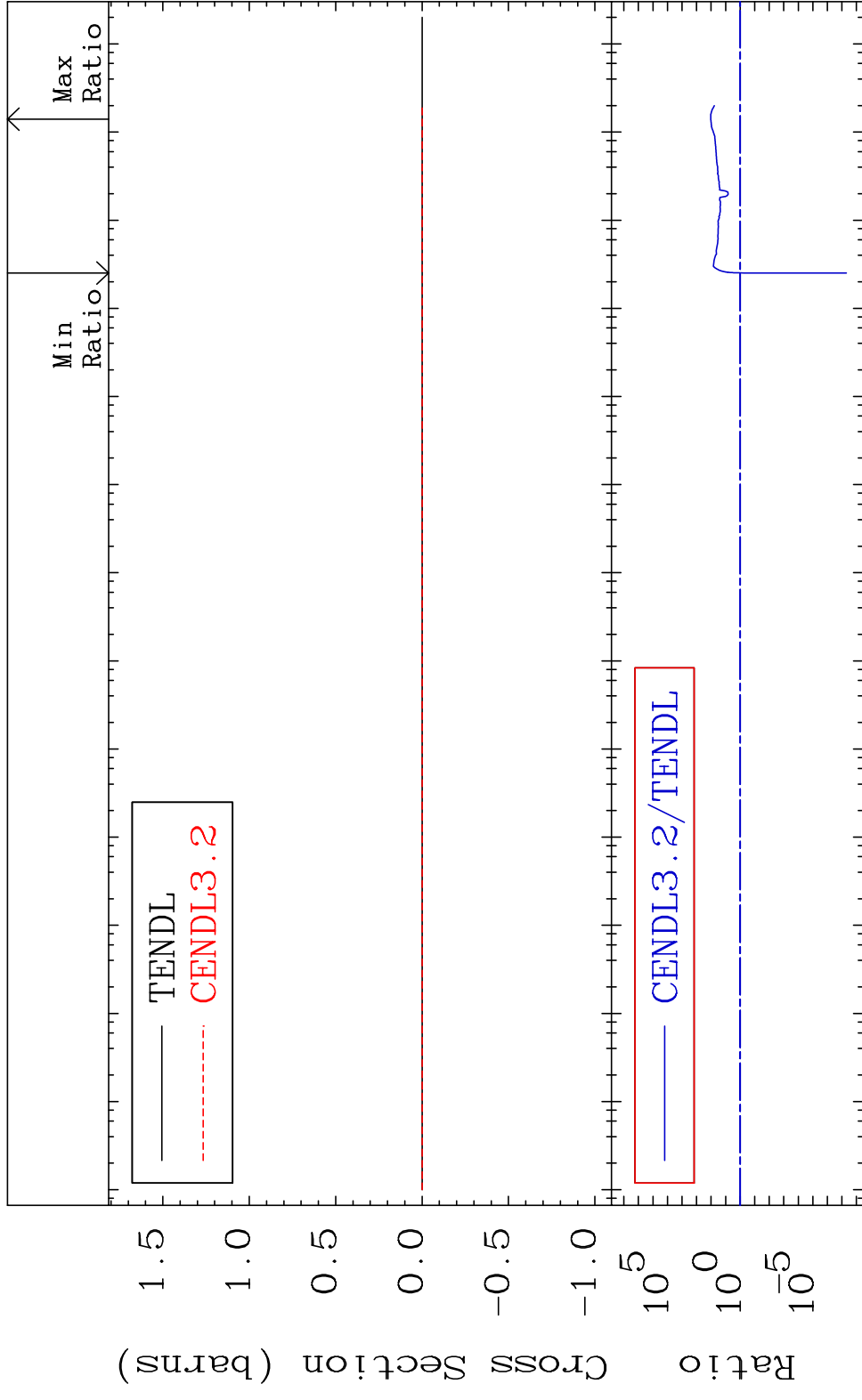
MAT 5531 Kerma non-elastic (all but mt2) 55-Cs-135
 Cross Section 653.2 To 9999. %



MAT 5531 Kerma inelastic (mt51-91) 55-Cs-135
 Cross Section -100.0 To 9999. %



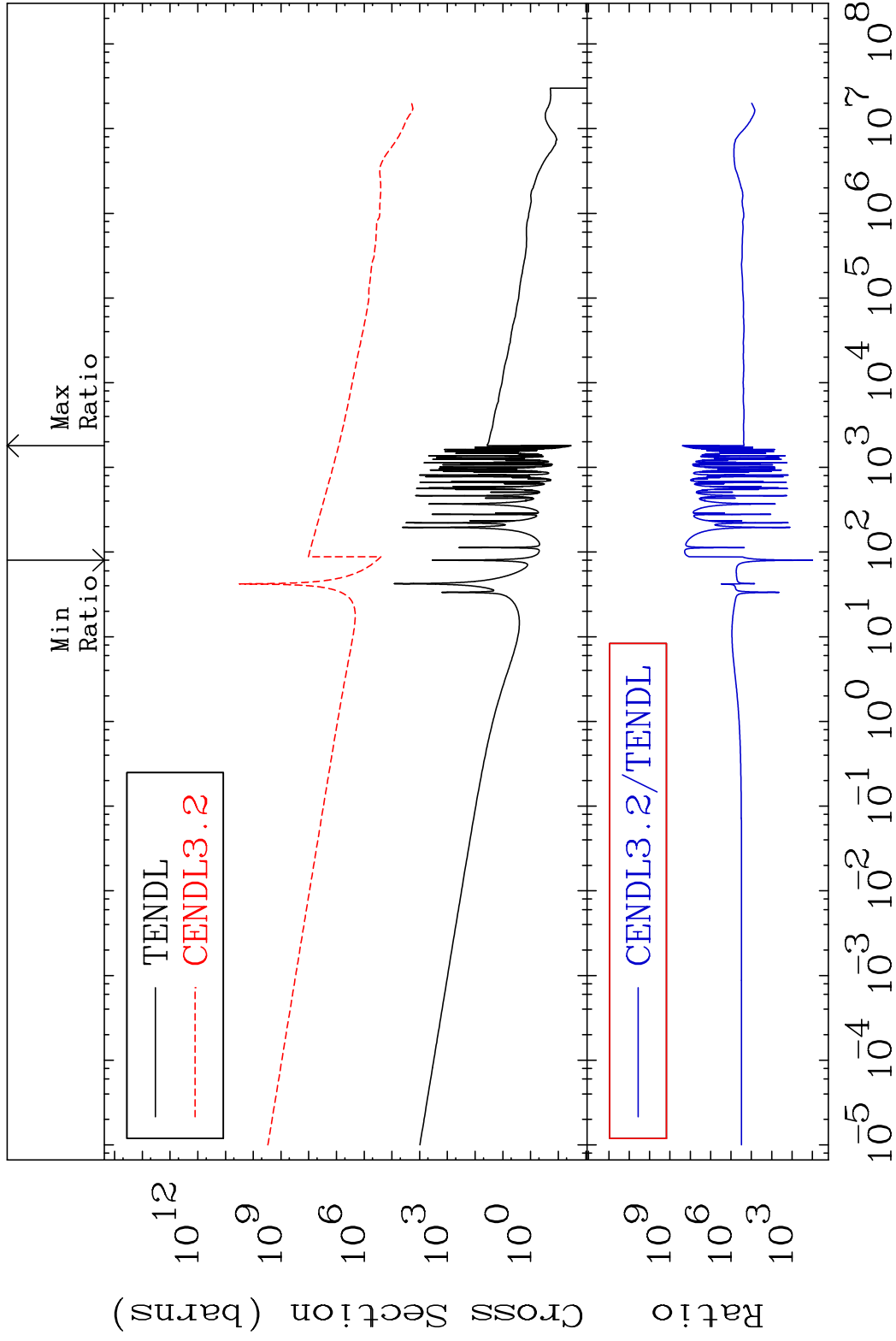
MAT 5531 Kerma fission (mt18 or mt19-20-21-38)55-Cs-135
 Cross Section -100.0 To 9999. %



MAT 5531

Kerma capture (mt102) 55-Cs-135

Cross Section 9701. To 9999. %

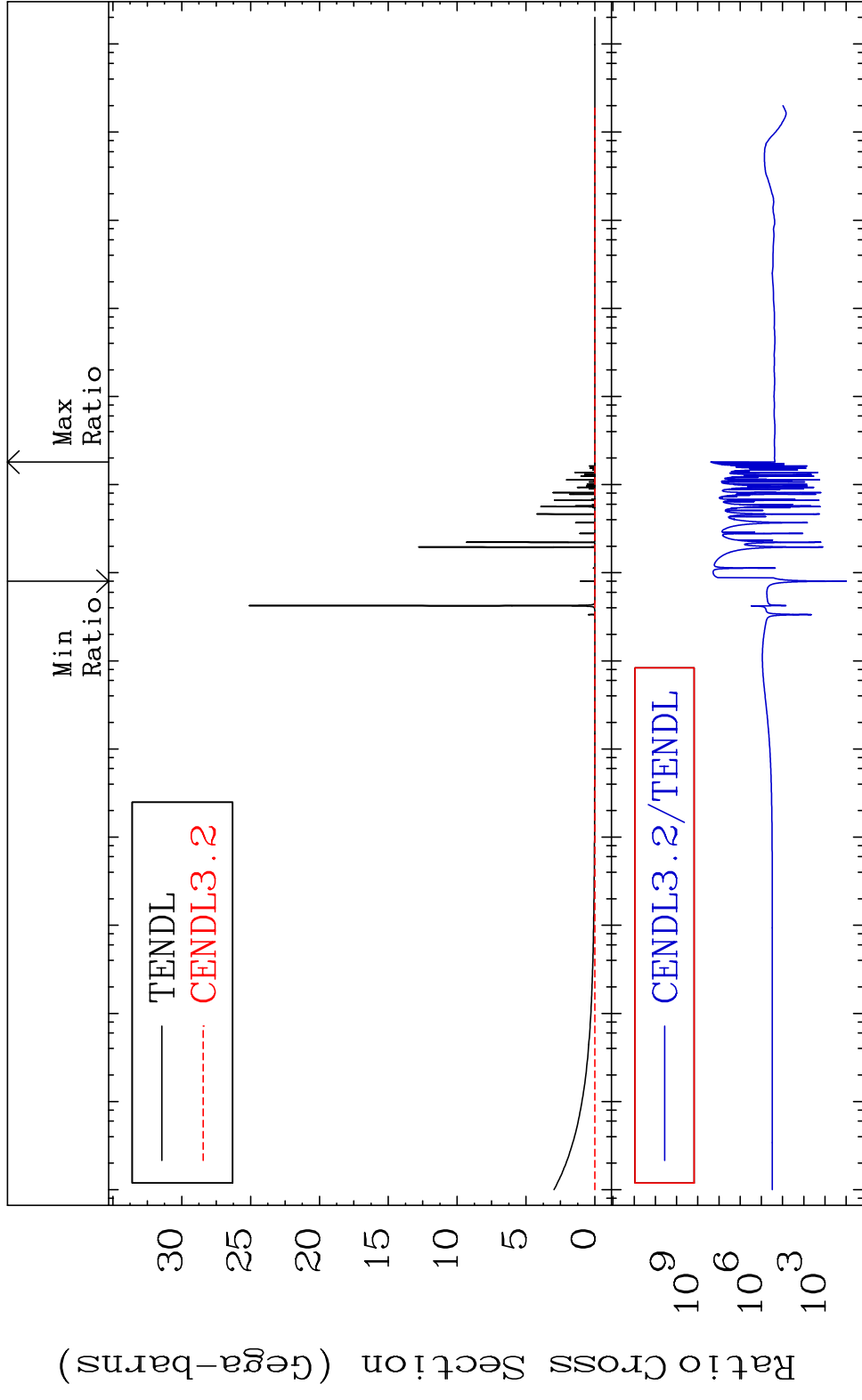


29

Incident Energy (eV)

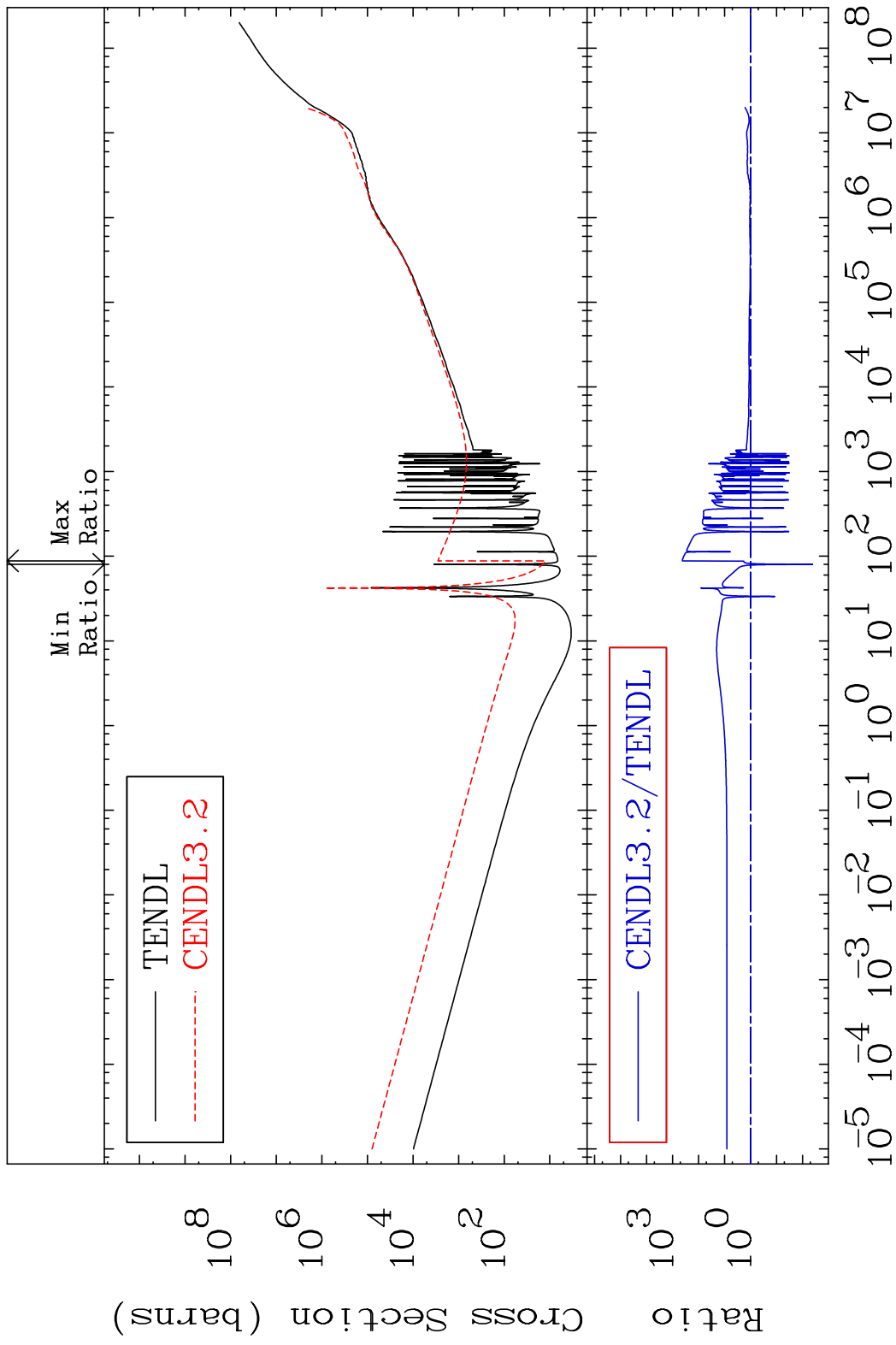
55-Cs-135

MAT 5531 Total photon (eV-barns) 55-Cs-135
 Cross Section 9701. To 9999. %



30 Incident Energy (eV) 55-Cs-135

MAT 5531 Total kinematic kerma (high limit) 55-Cs-135
 Cross Section -99.59 To 9999. %

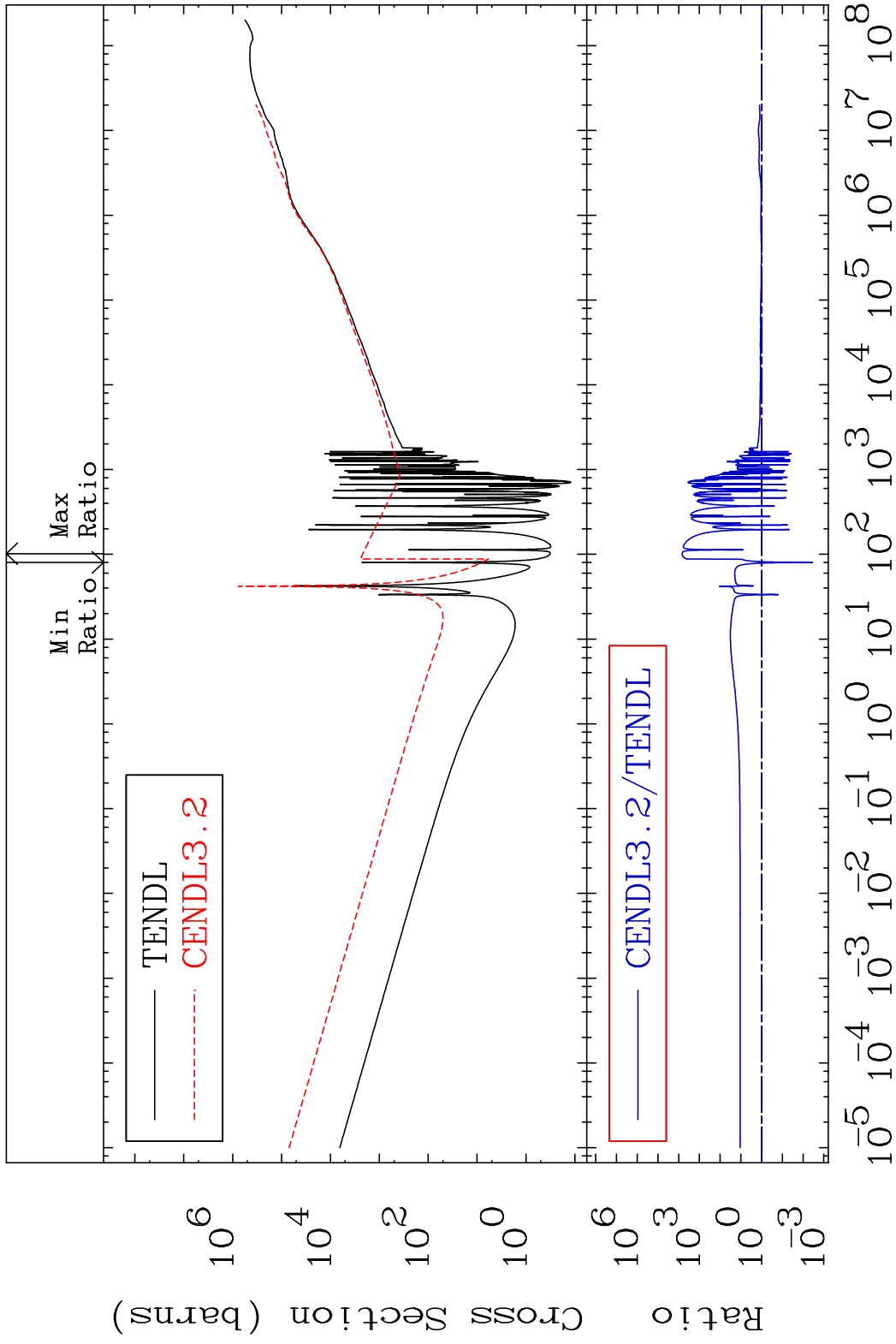


MAT 5531

Dpa total (eV-barns)

55-Cs-135

Cross Section -99.65 To 9999. %



32

Incident Energy (eV)

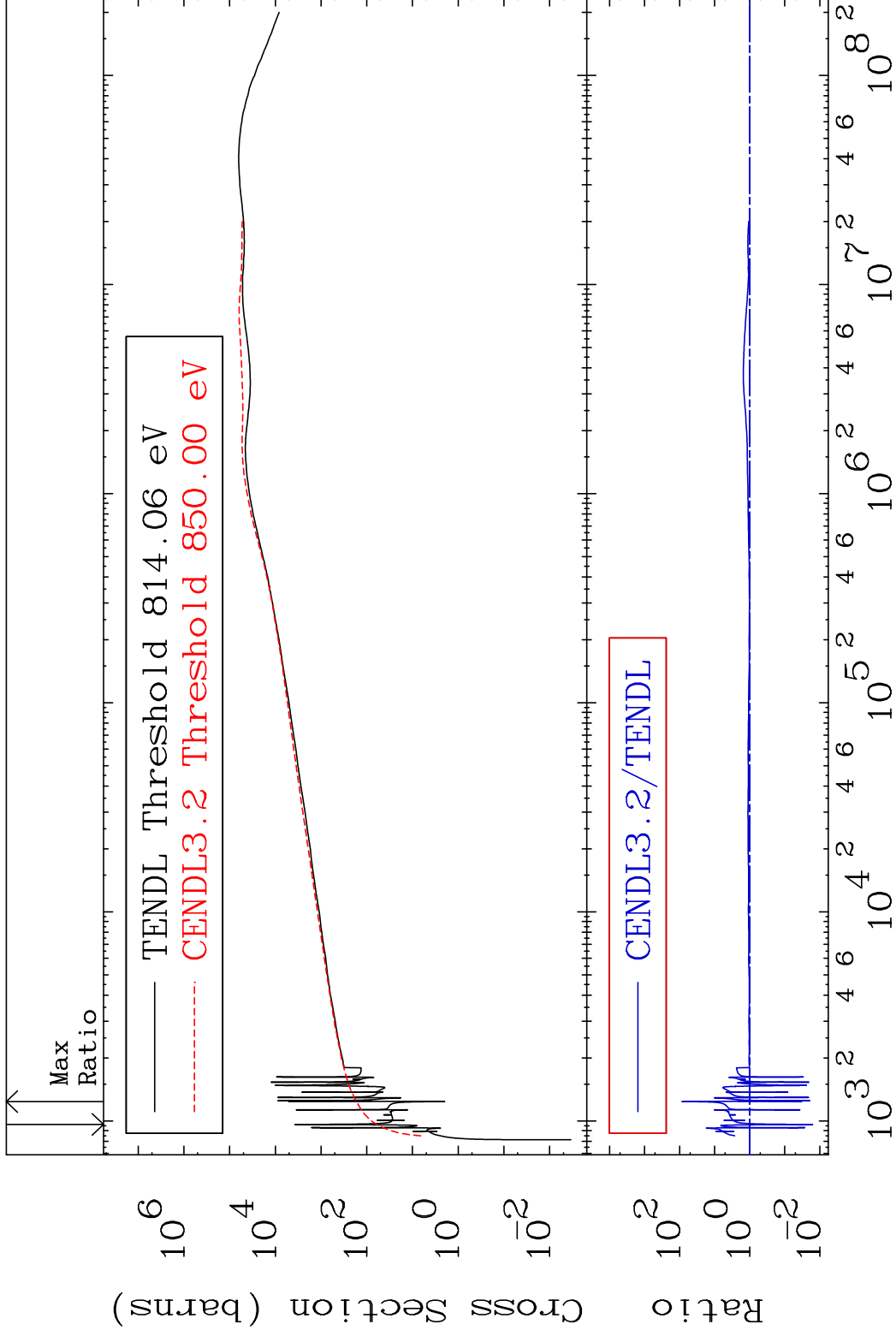
55-Cs-135

MAT 5531

Dpa elastic (mt2)

55-Cs-135

Cross Section -98.38 To 8369. %

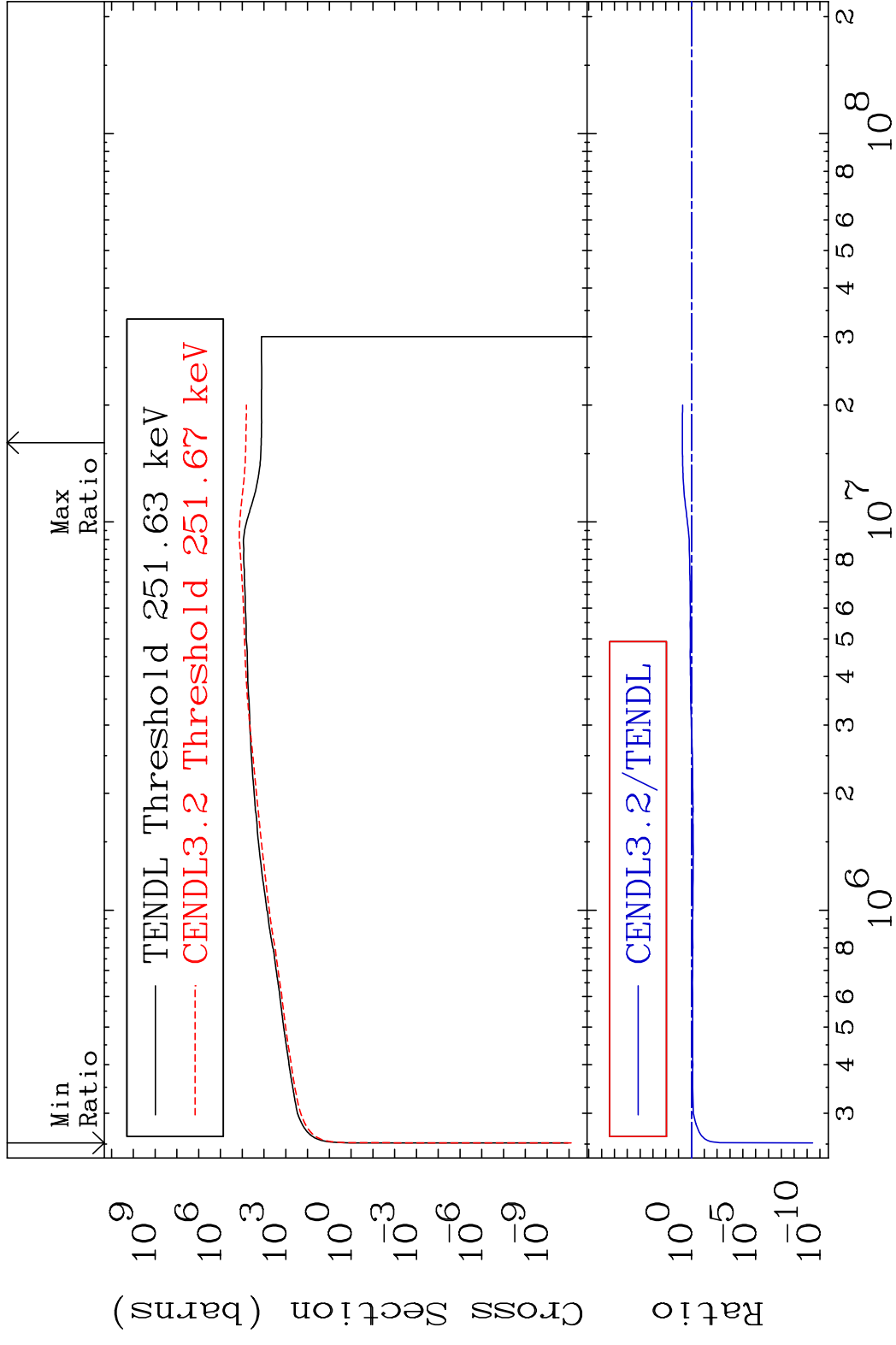


33

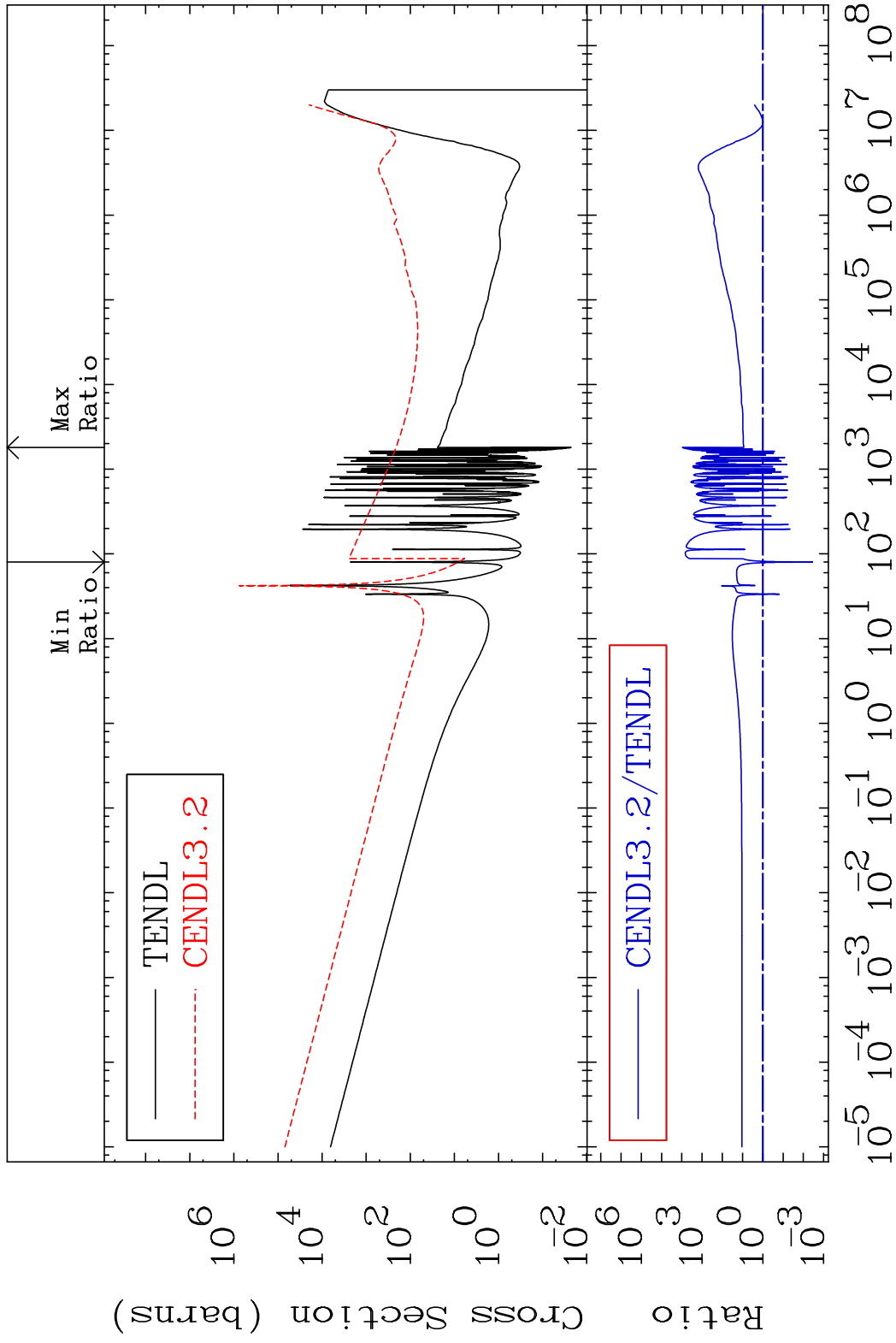
Incident Energy (eV)

55-Cs-135

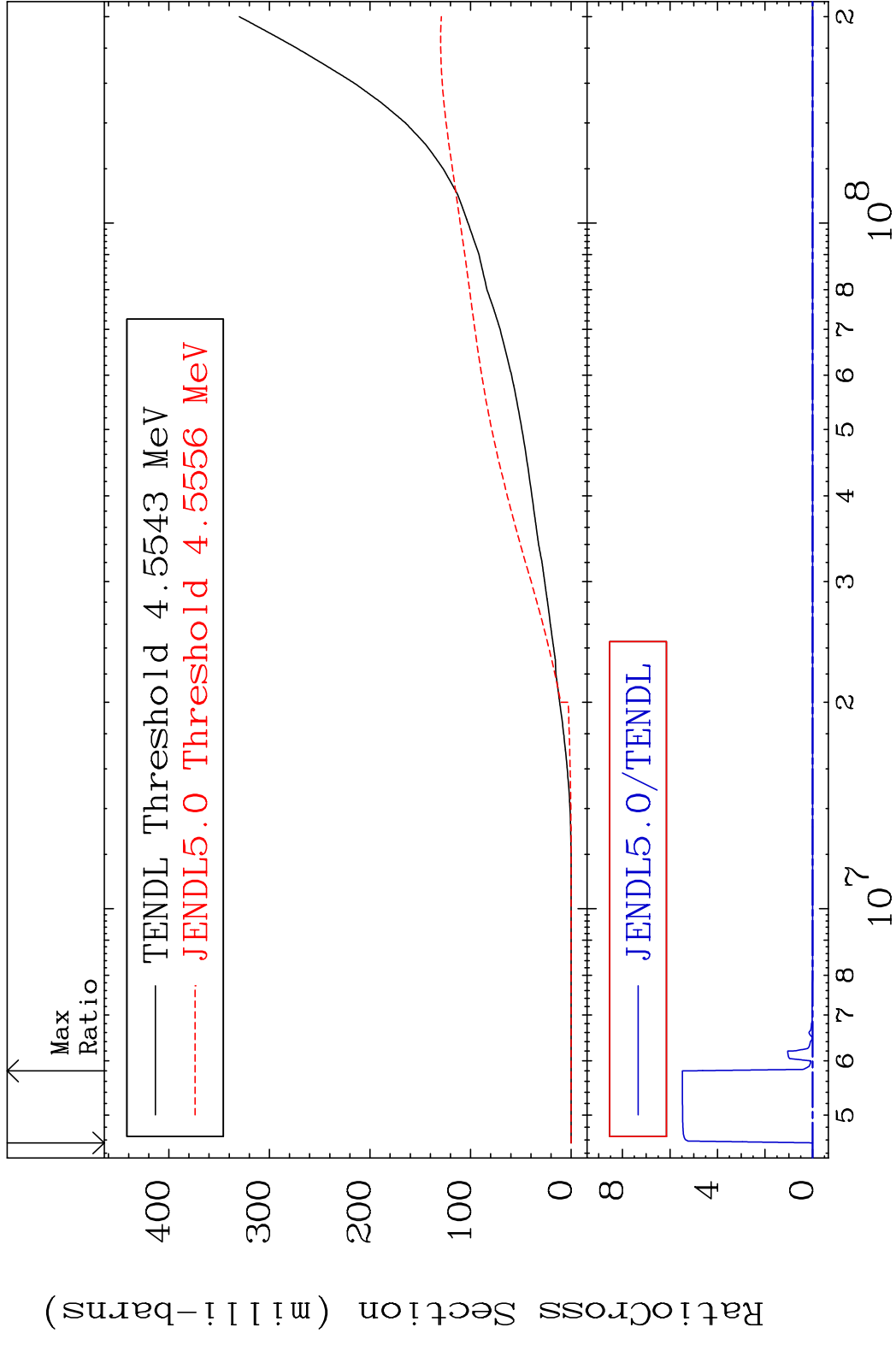
MAT 5531 Dpa inelastic (mt51-91) 55-Cs-135
 Cross Section -100.0 To 412.2 %



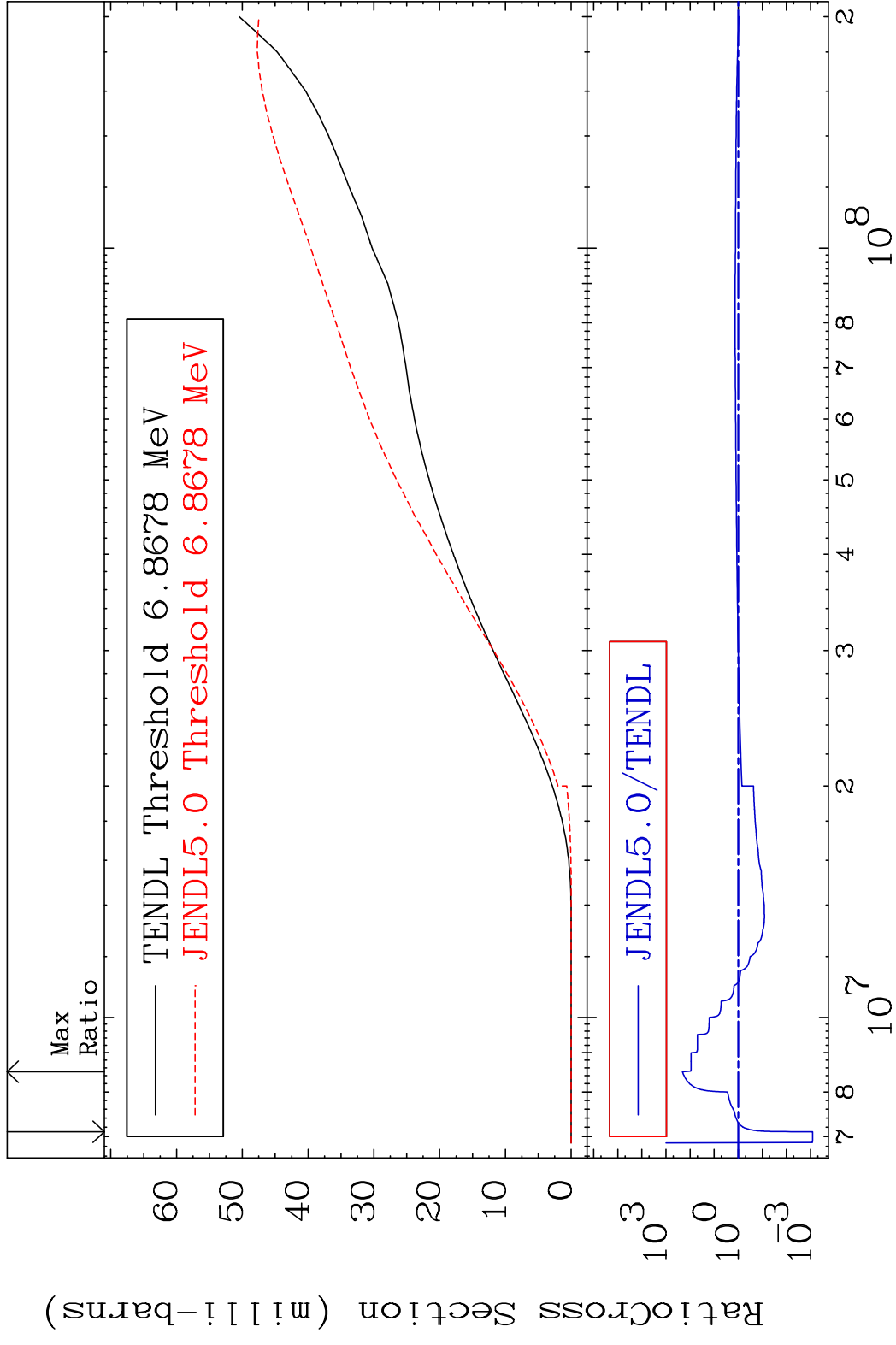
MAT 5531 Dpa disappearance (mt102 -120) 55-Cs-135
 Cross Section -99.65 To 9999. %



MAT 5531 Deuterium Production 55-Cs-135
 Cross Section -100.0 To 9999. %



MAT 5531 Tritium Production 55-Cs-135
 Cross Section -99.92 To 9999. %

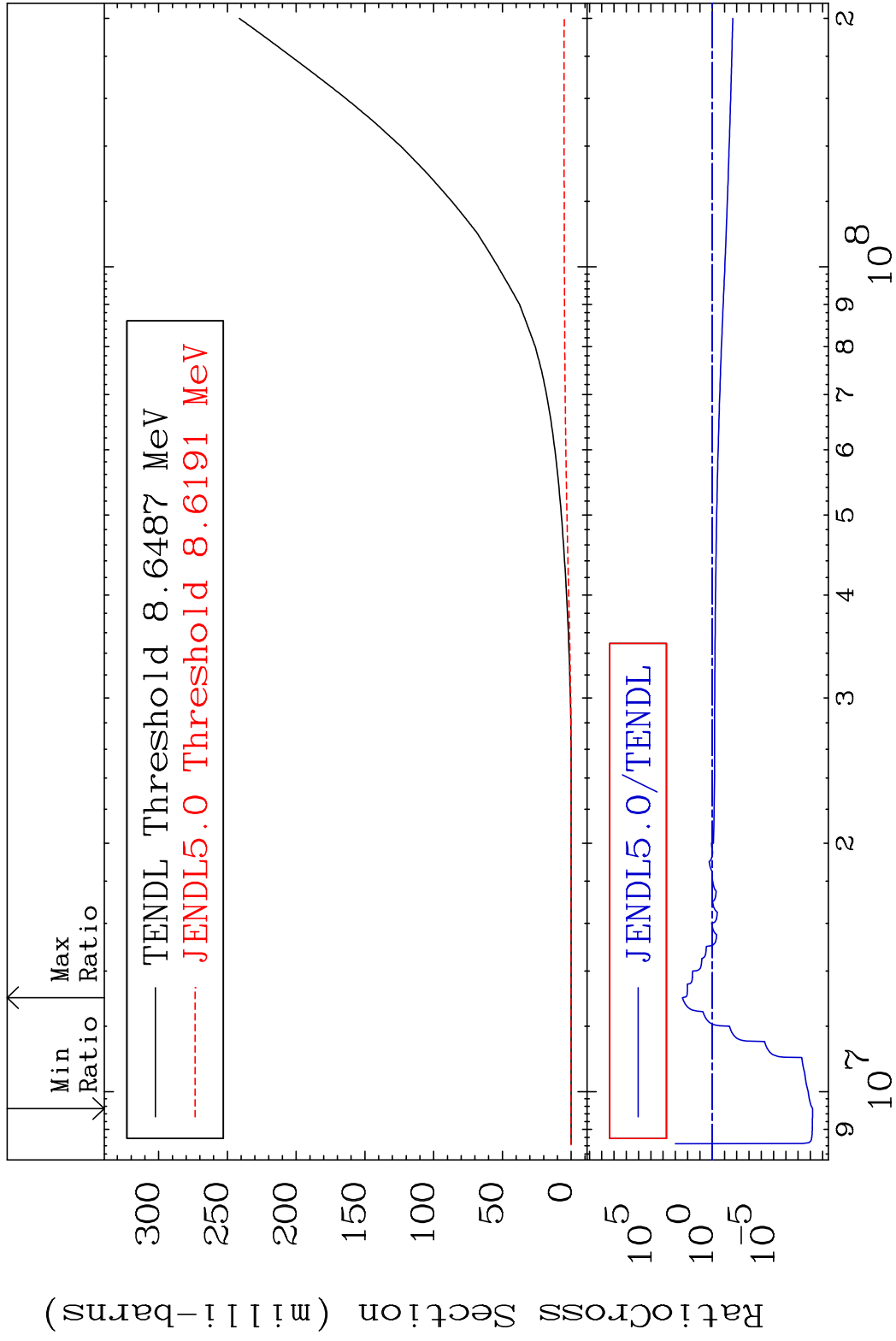


MAT 5531

He-3 Production

55-Cs-135

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

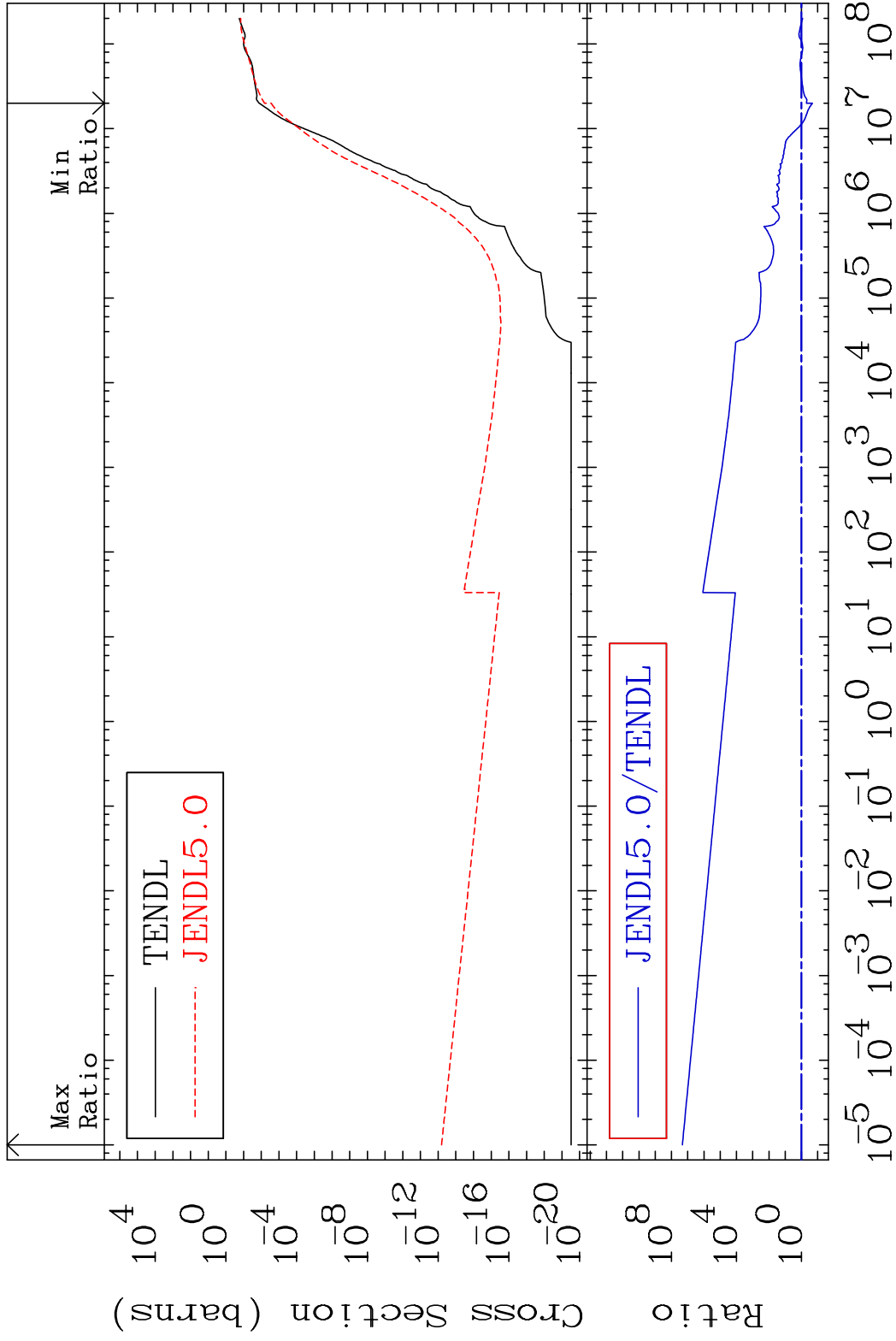
55-Cs-135

MAT 5531

He-4 Production

55-Cs-135

Cross Section -79.32 To 9999. %

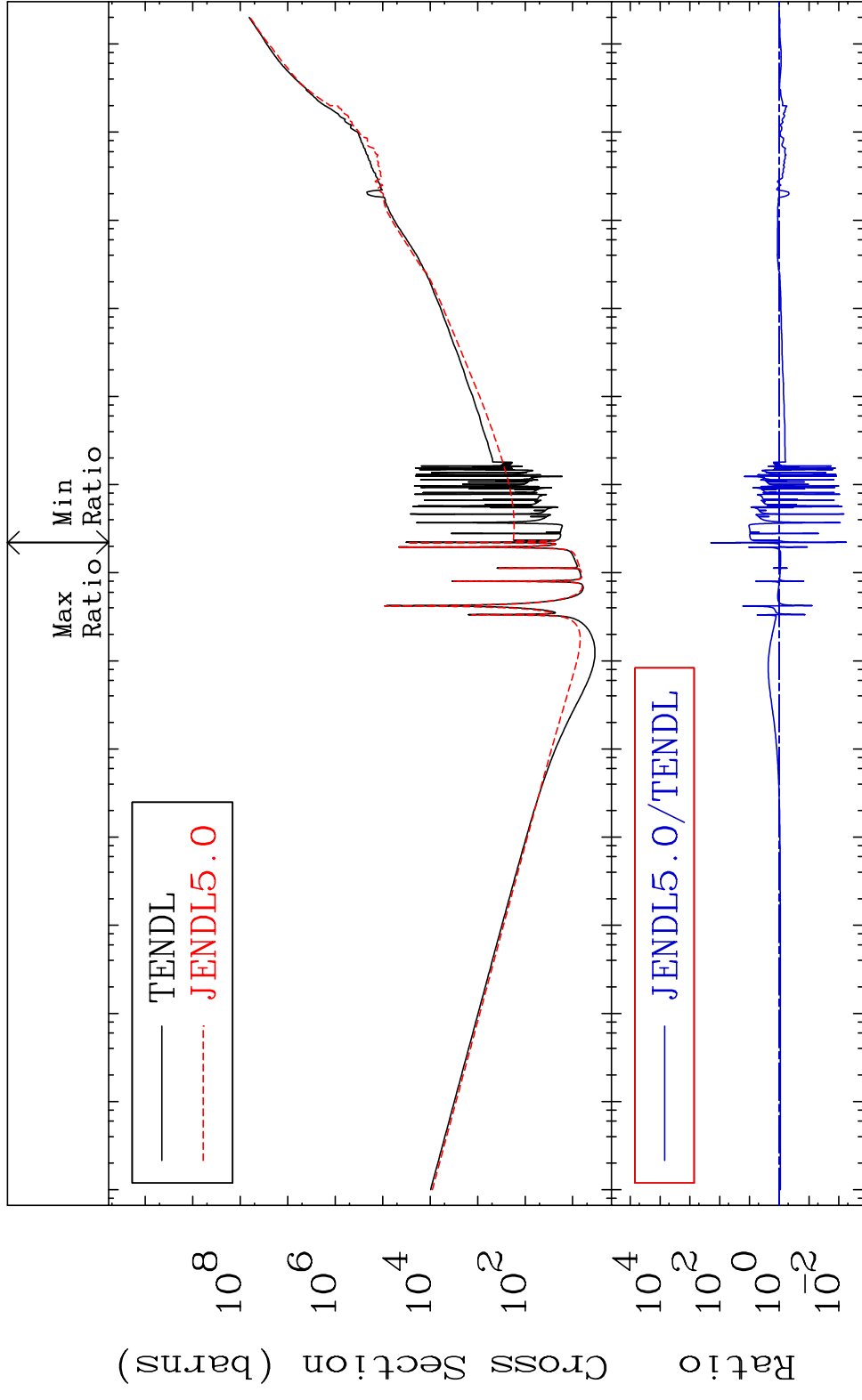


39

Incident Energy (eV)

55-Cs-135

MAT 5531 Kerma total (eV-barns) 55-Cs-135
 Cross Section -99.44 To 9999. %



40 Incident Energy (eV) 55-Cs-135

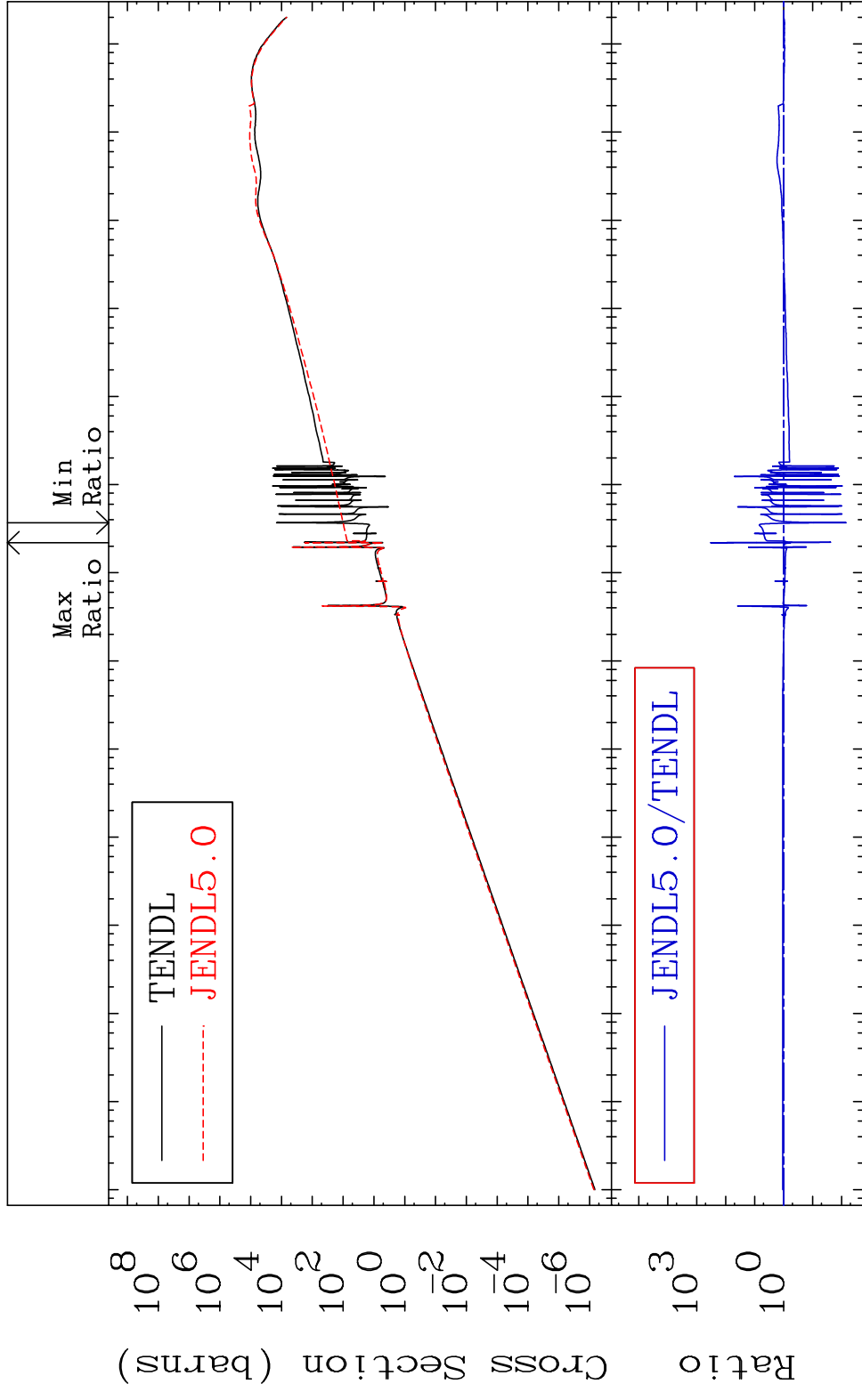
MAT 5531

Kerma elastic

55-Cs-135

Cross Section

-99.31 To 9999. %



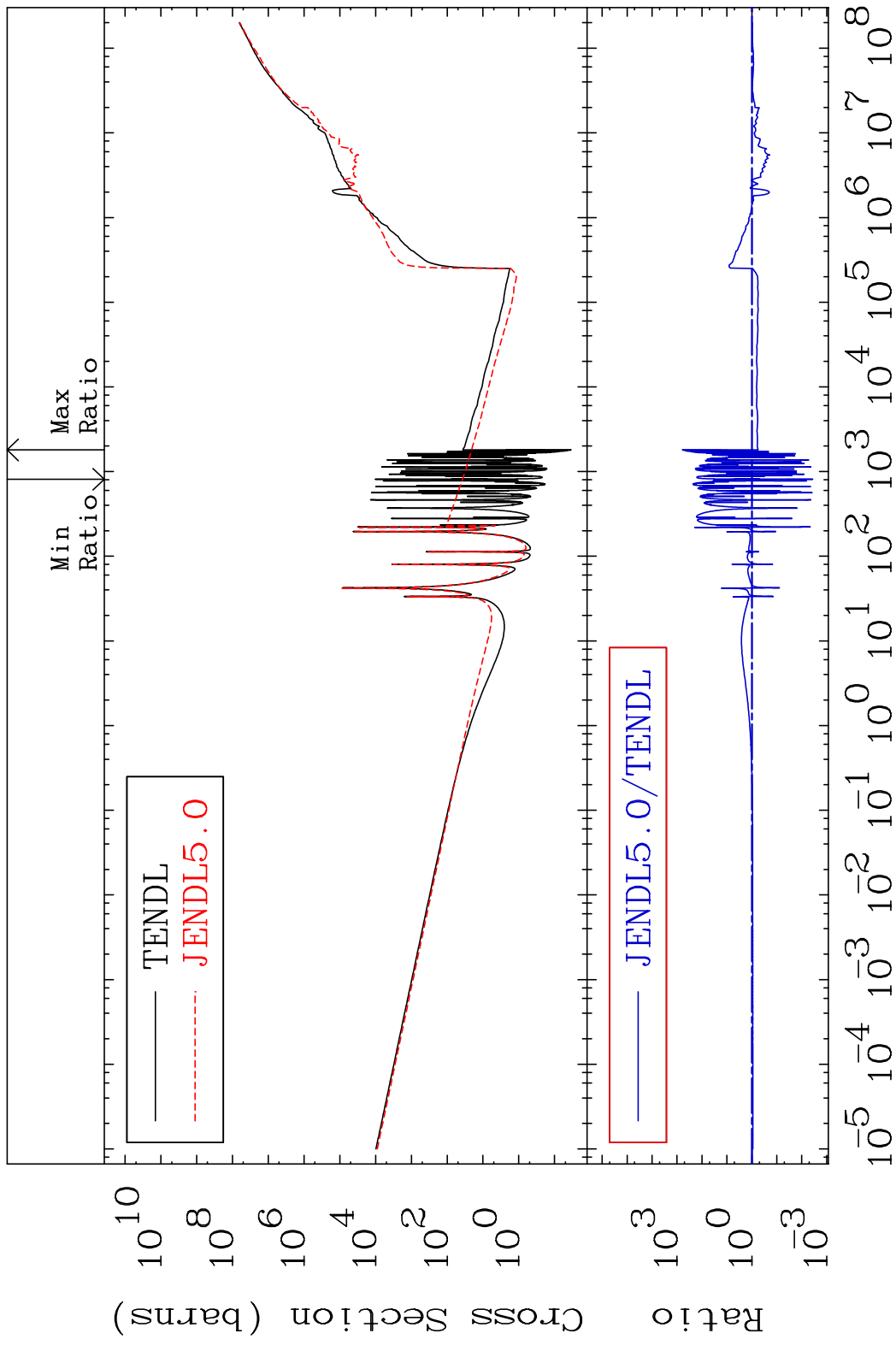
10⁸ 10⁷ 10⁶ 10⁵ 10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵

41

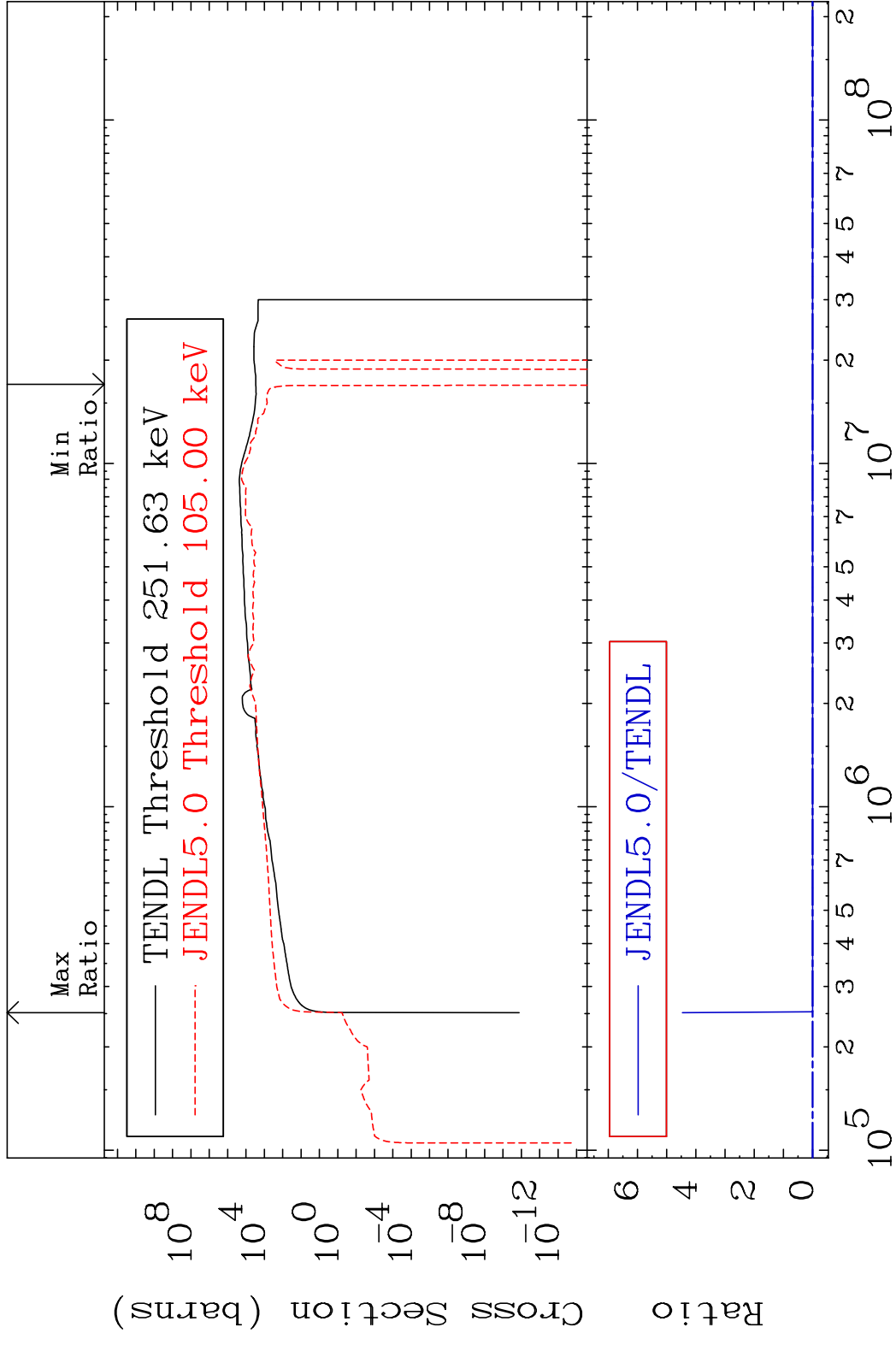
Incident Energy (eV)

55-Cs-135

MAT 5531 Kerma non-elastic (all but mt2) 55-Cs-135
 Cross Section -99.63 To 9999. %

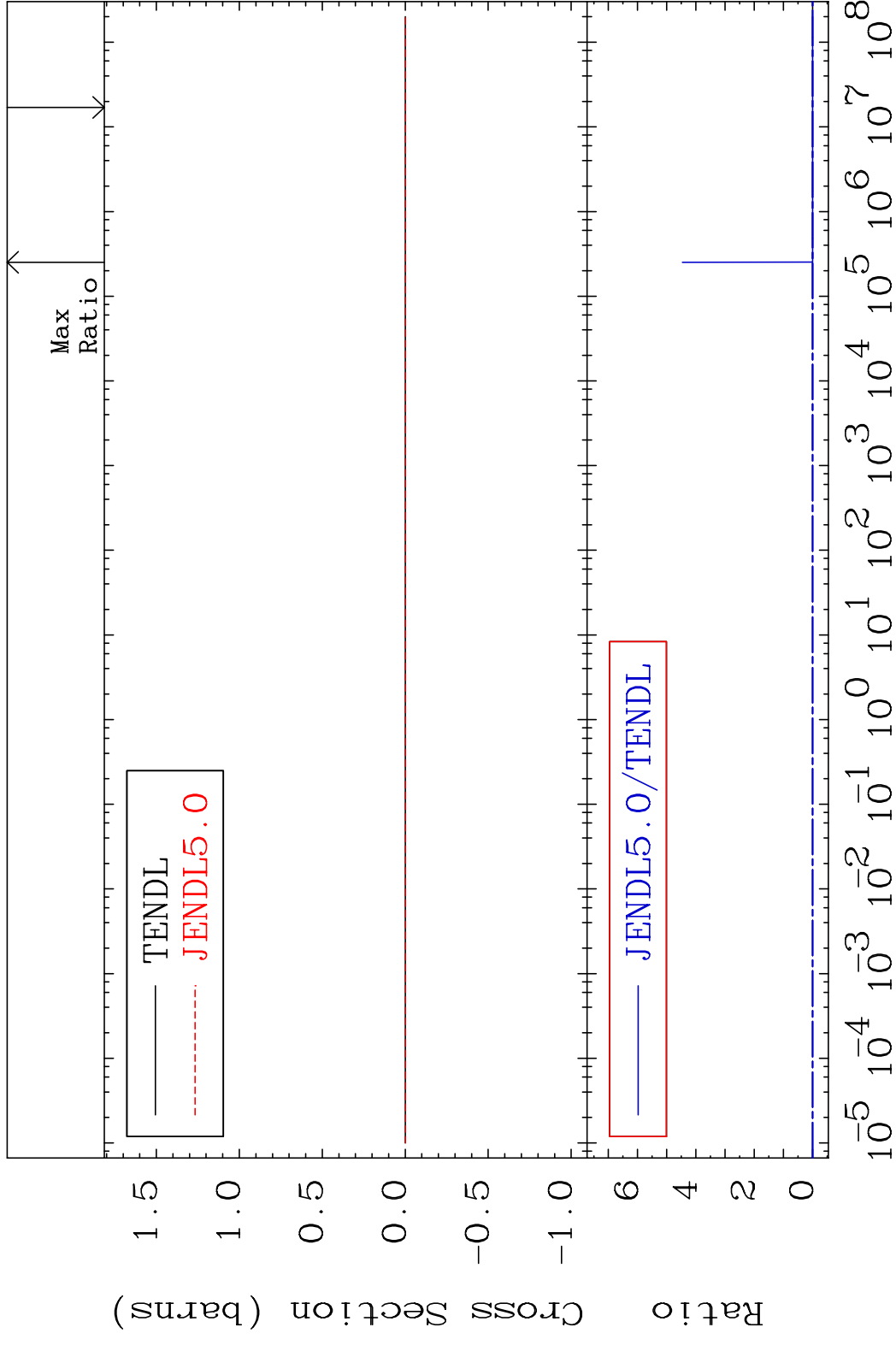


MAT 5531 Kerma inelastic (mt51-91) 55-Cs-135
 Cross Section -104.6 To 9999. %



43 Incident Energy (eV) 55-Cs-135

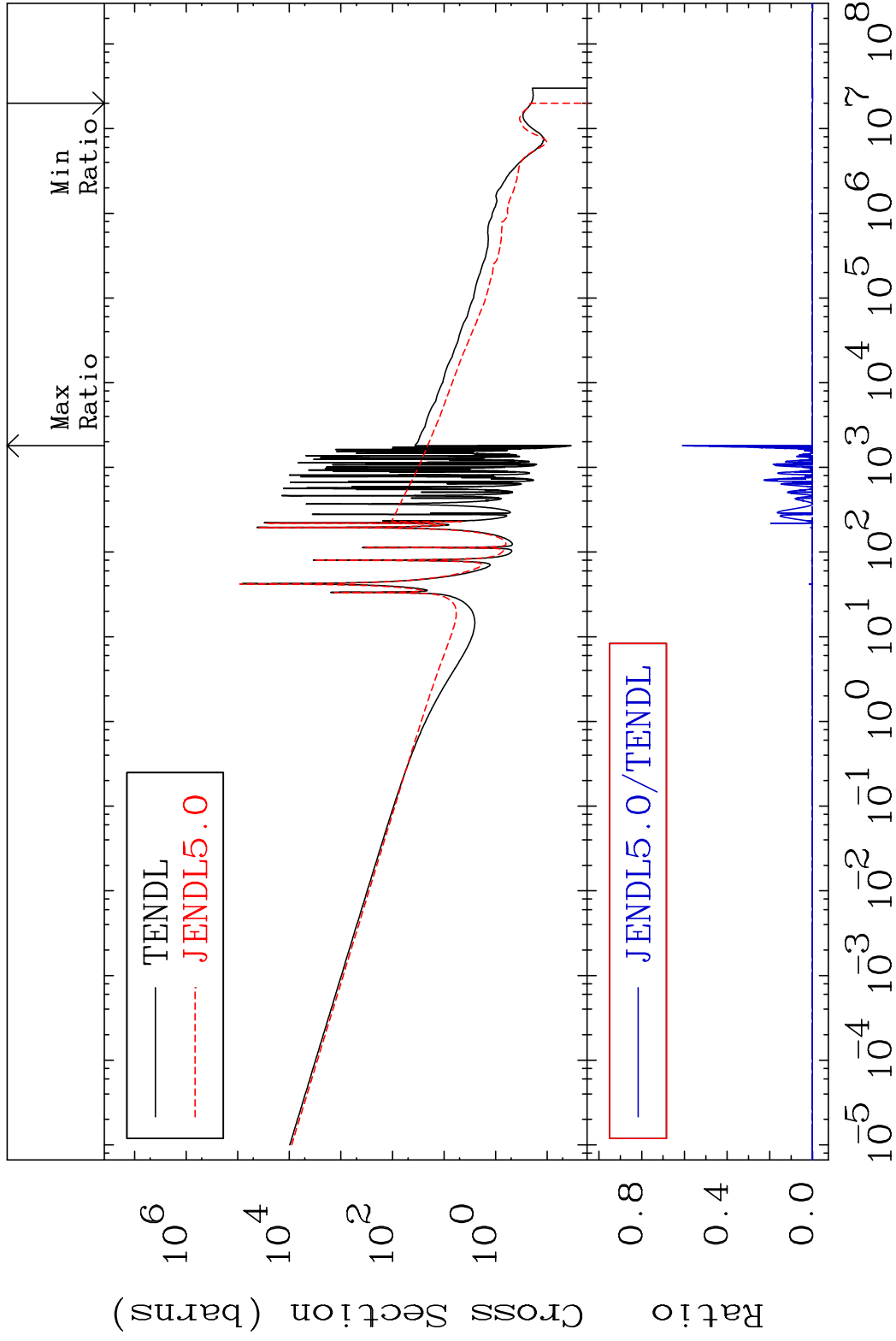
MAT 5531 Kerma fission (mt18 or mt19-20-21-38)55-Cs-135
 Cross Section -104.6 To 9999. %



MAT 5531

Kerma capture (mt102) 55-Cs-135

Cross Section -100.0 To 9999. %

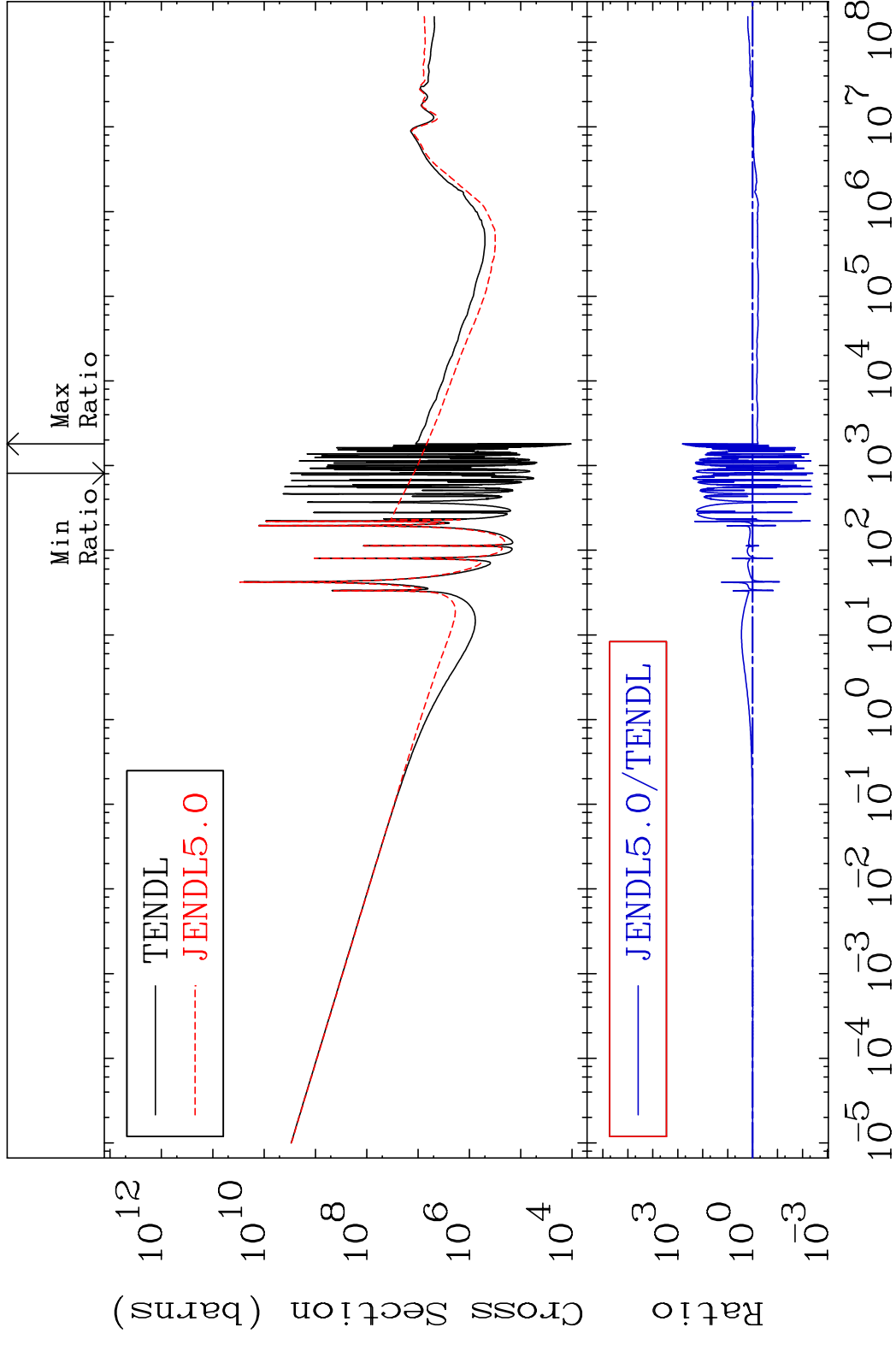


45

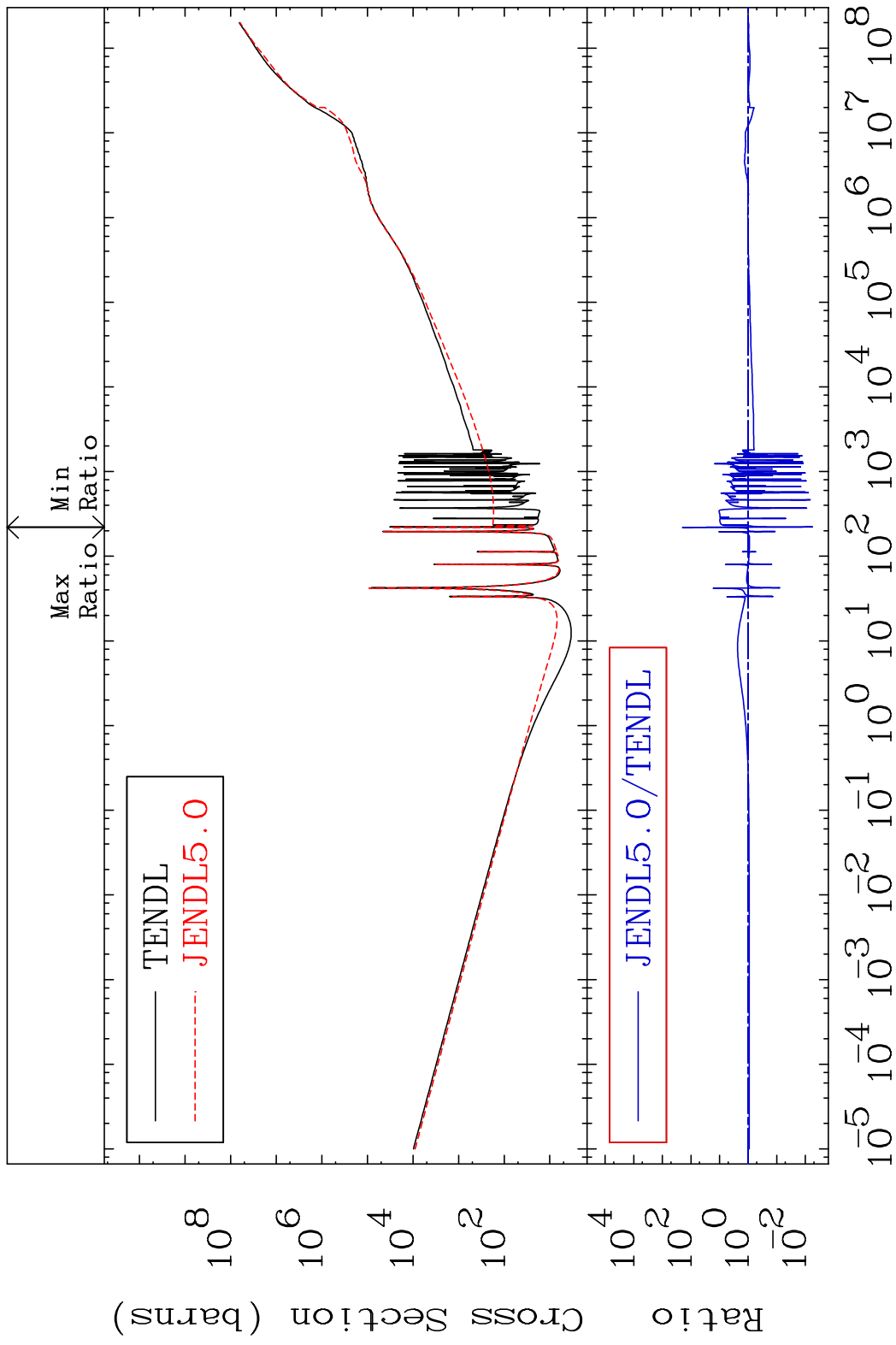
Incident Energy (eV)

55-Cs-135

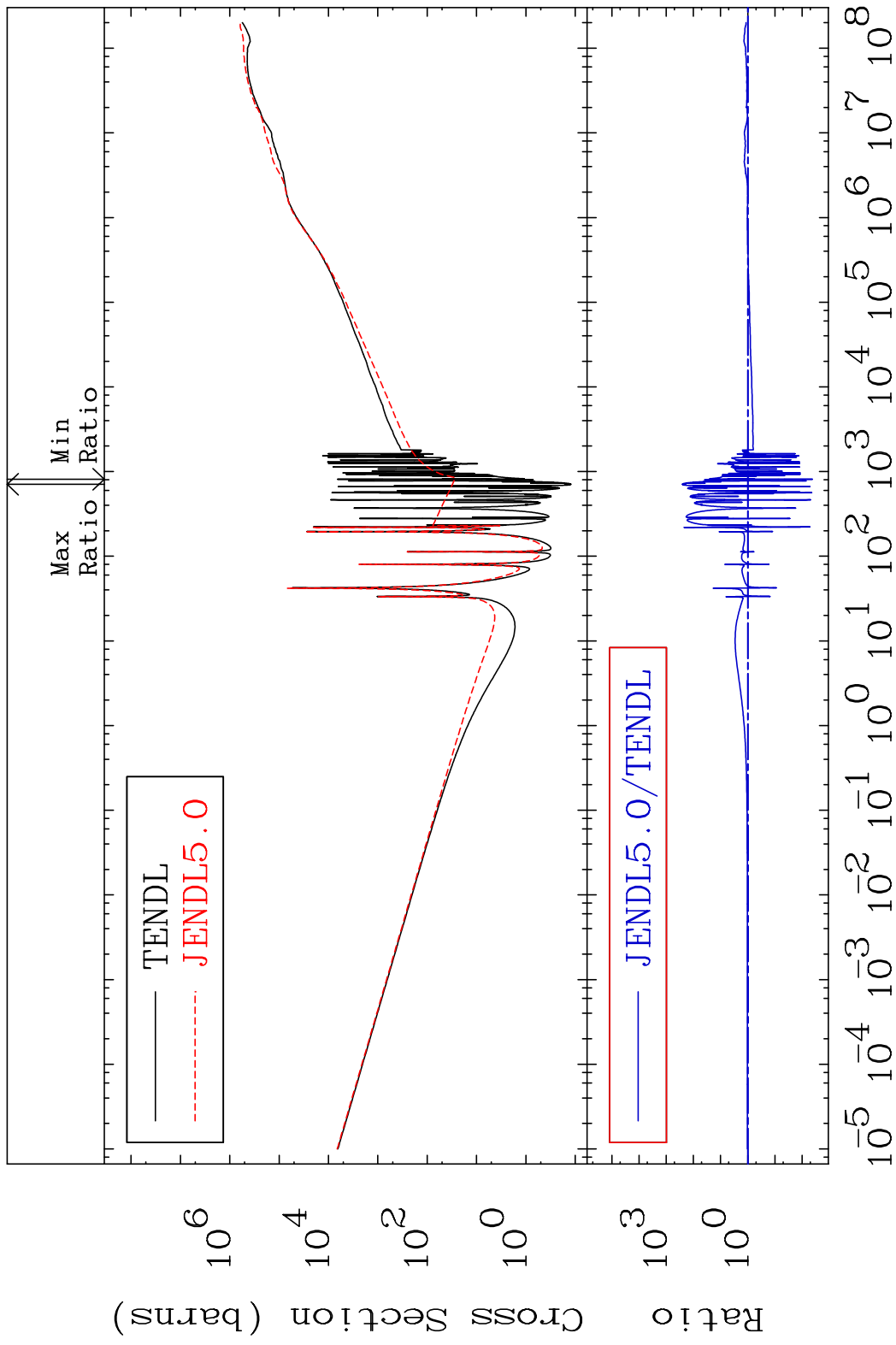
MAT 5531 Total photon (eV-barns) 55-Cs-135
 Cross Section -99.60 To 9999. %



MAT 5531 Total kinematic kerma (high limit) 55-Cs-135
 Cross Section -99.44 To 9999. %



MAT 5531 Dpa total (eV-barns) 55-Cs-135
 Cross Section -99.59 To 9999. %



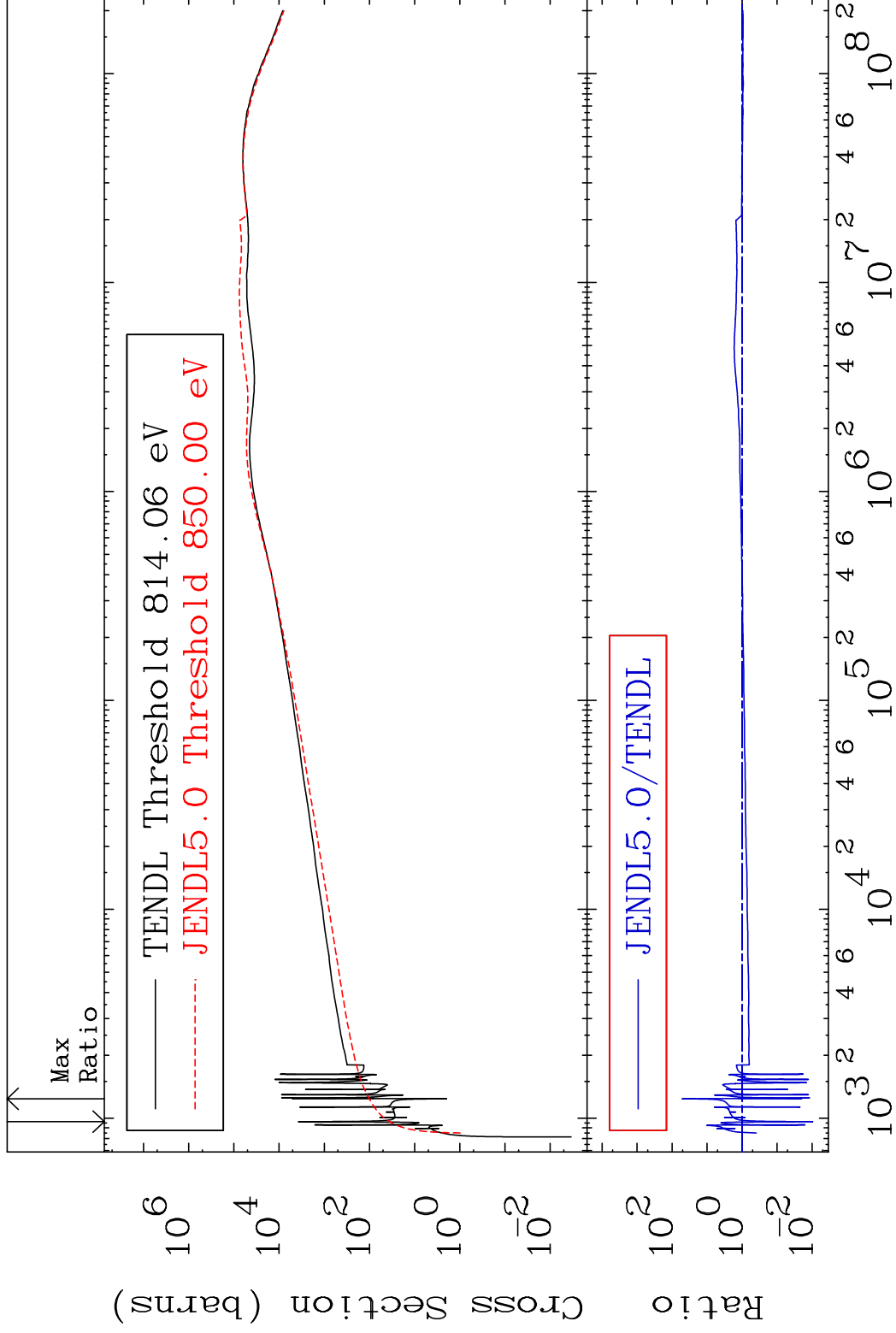
MAT 5531

Dpa elastic (mt2)

55-Cs-135

Cross Section

-99.03 To 4986. %



49

Incident Energy (eV)

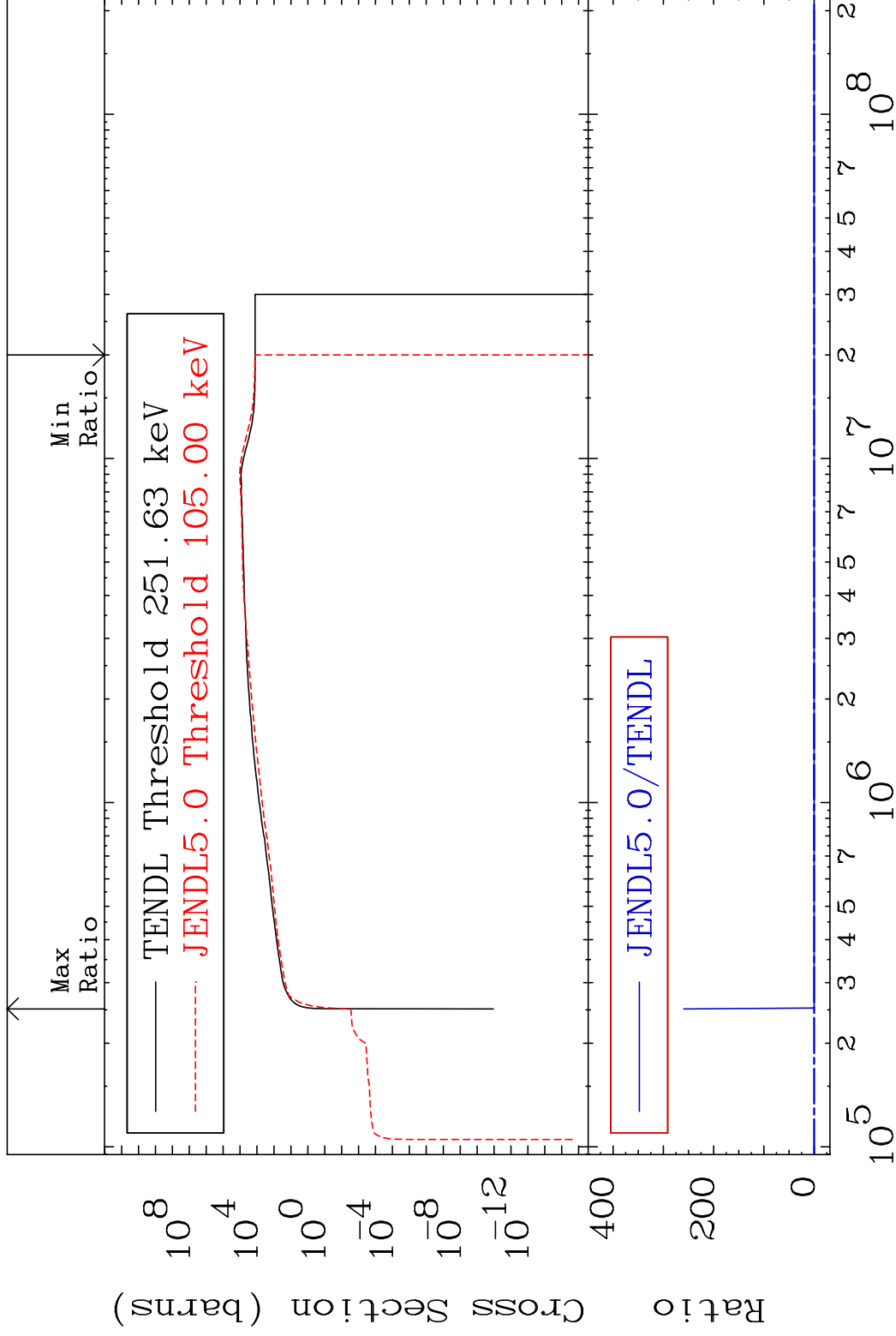
55-Cs-135

MAT 5531

Dpa inelastic (mt51-91)

55-Cs-135

Cross Section -100.0 To 9999. %

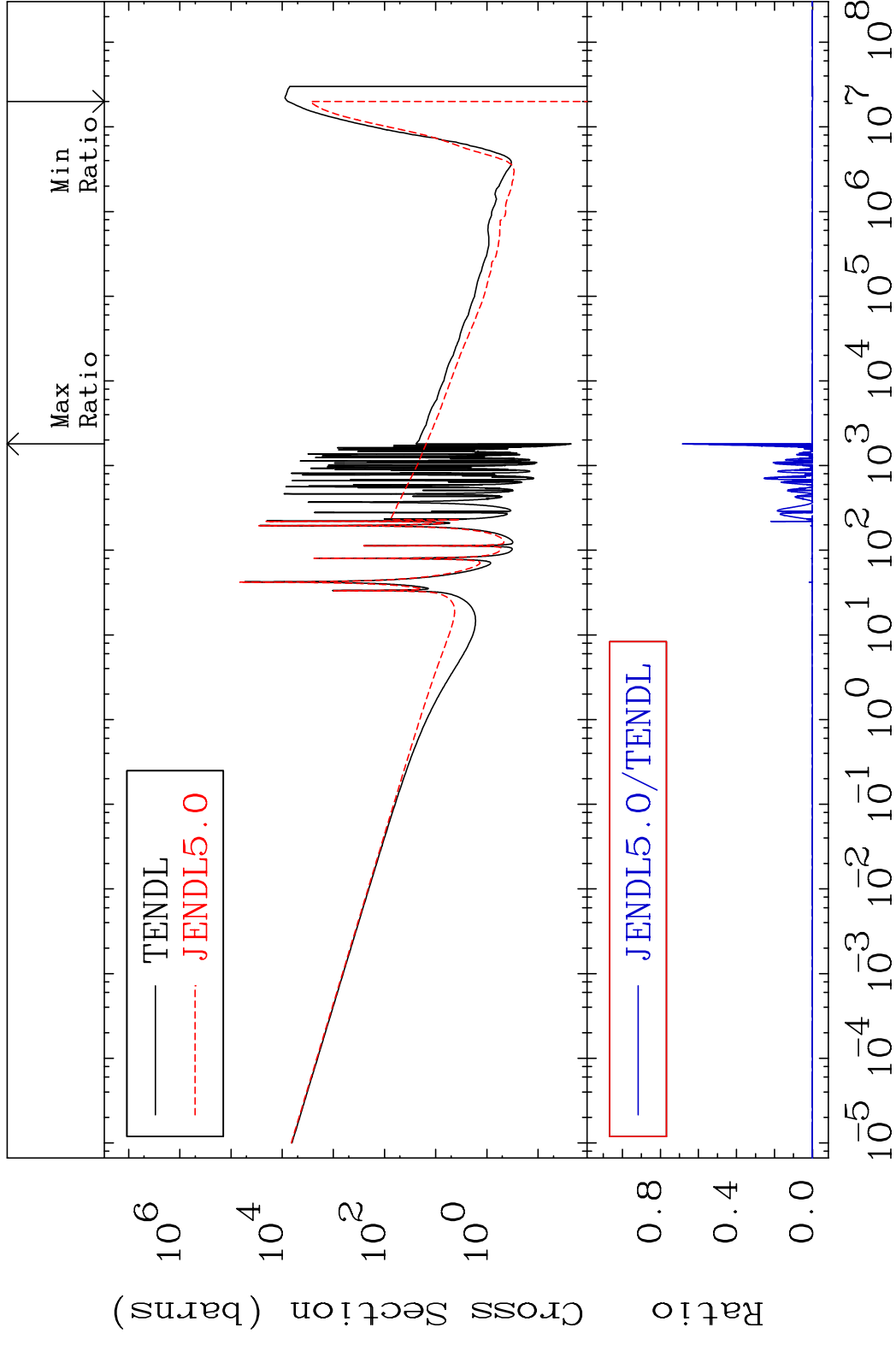


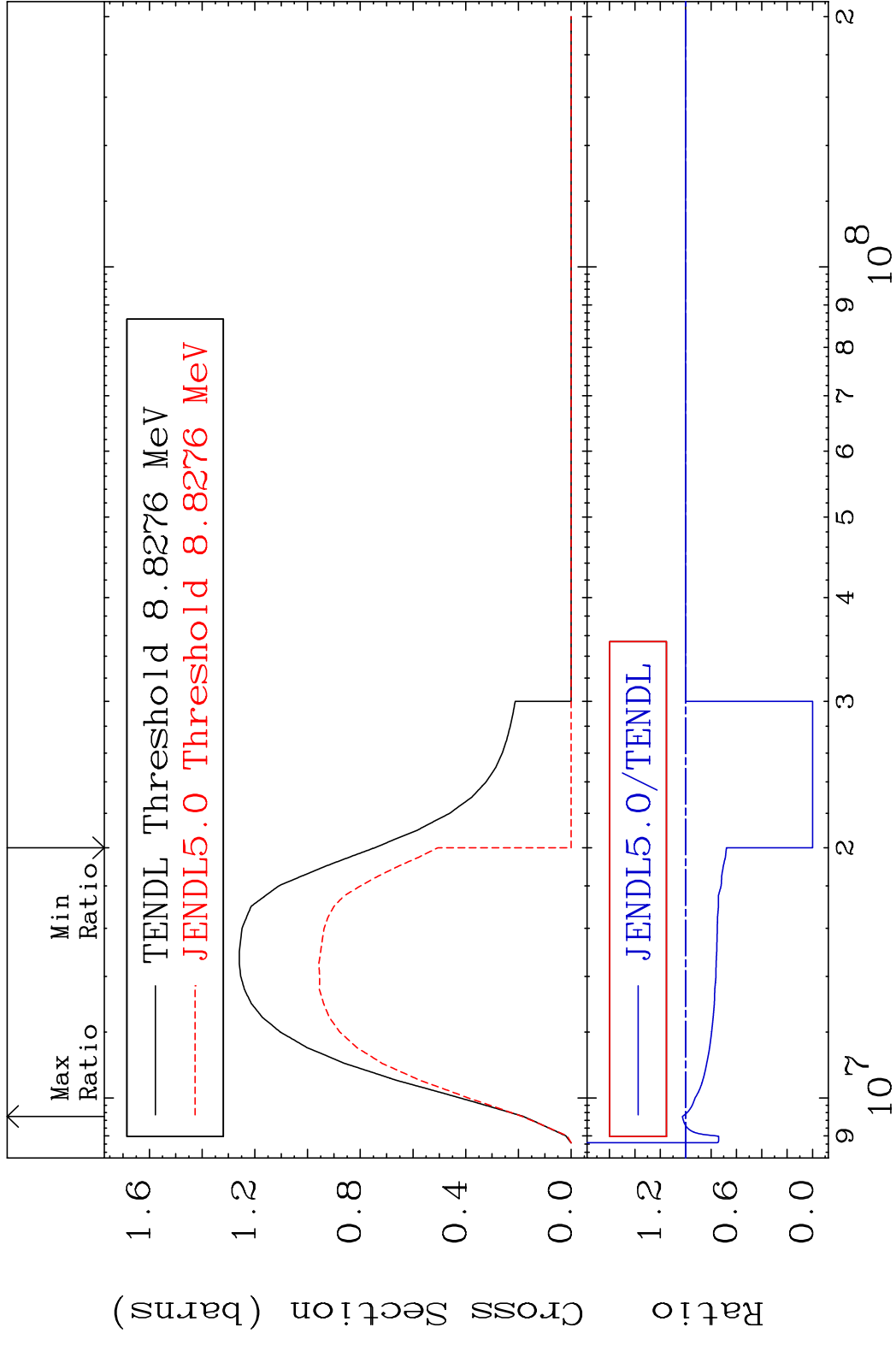
50

Incident Energy (eV)

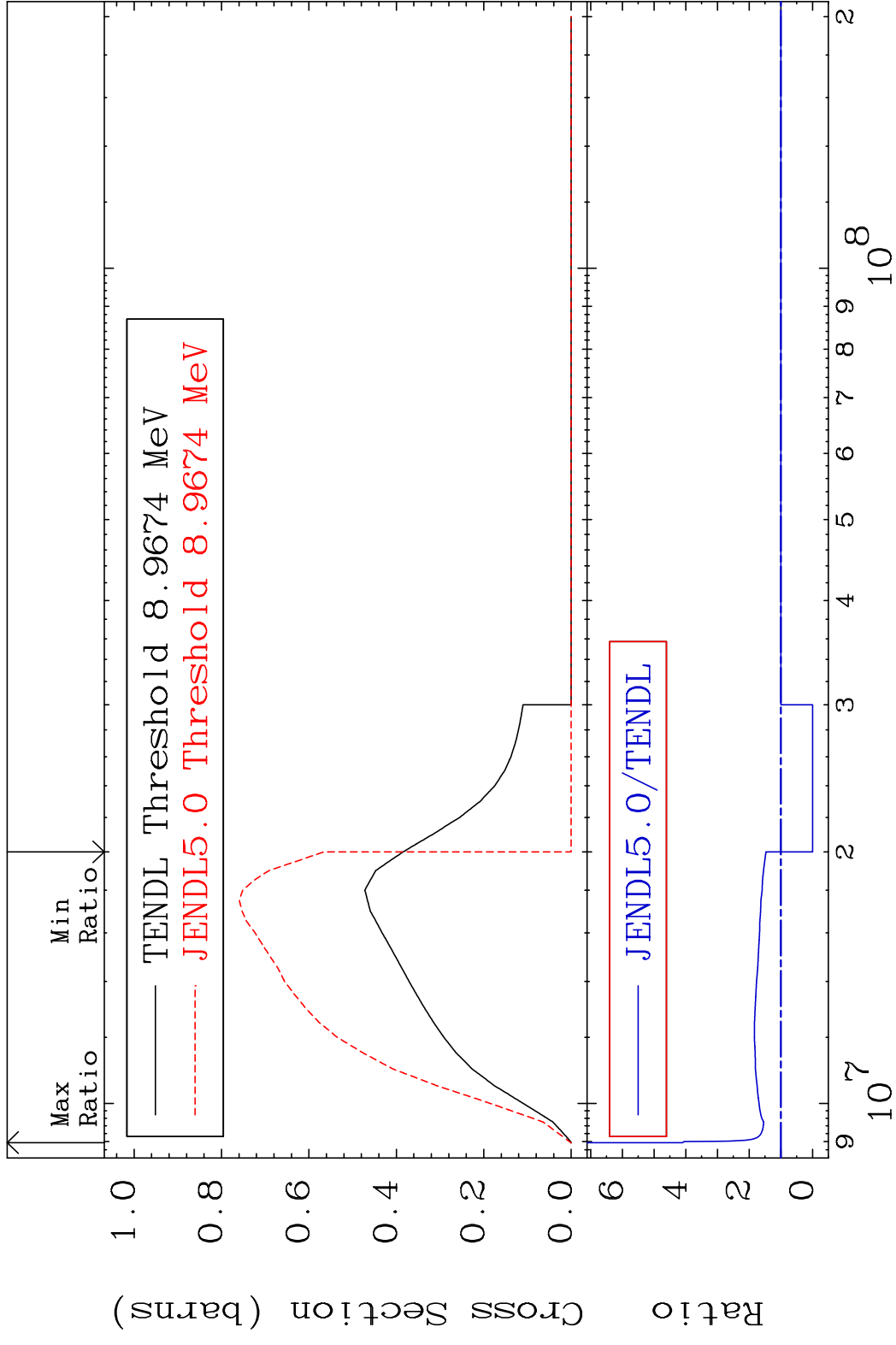
55-Cs-135

MAT 5531 Dpa disappearance (mt102 -120) 55-Cs-135
 Cross Section -100.0 To 9999. %

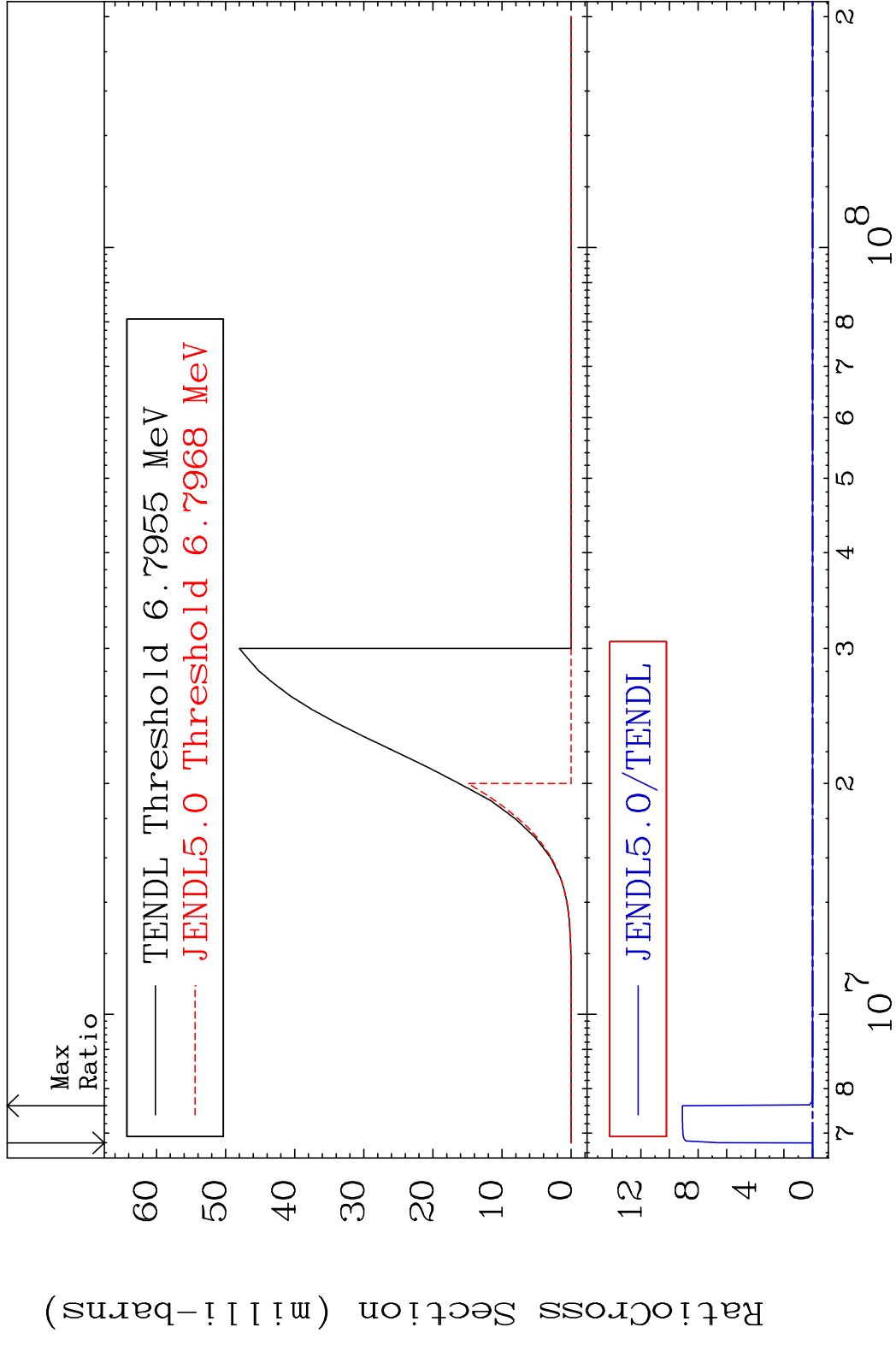


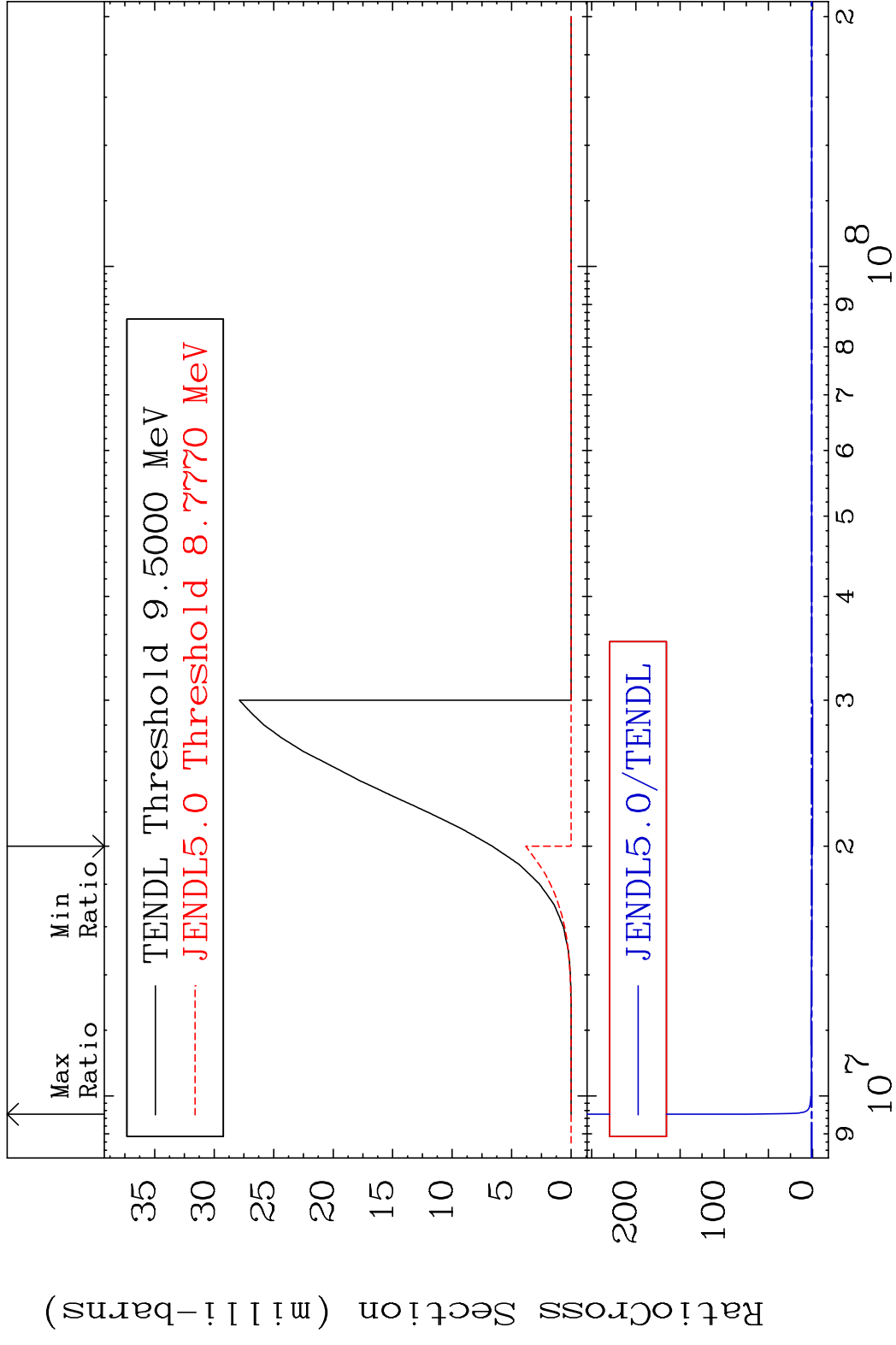


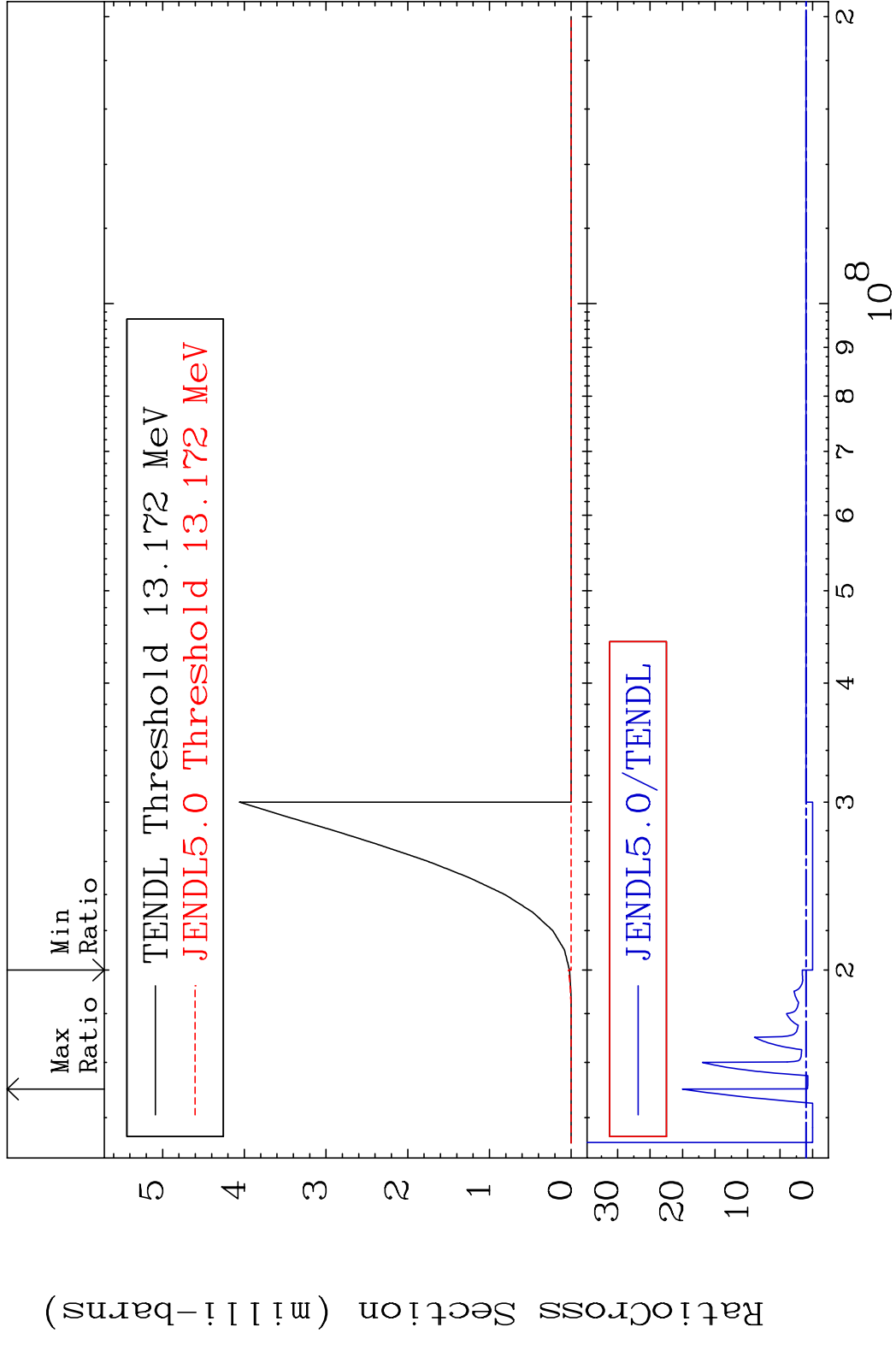
MAT 5531 (n,2n):55-Cs-134m3 55-Cs-135
 Radionuclide Production Cross Section Ratio 310.8 %

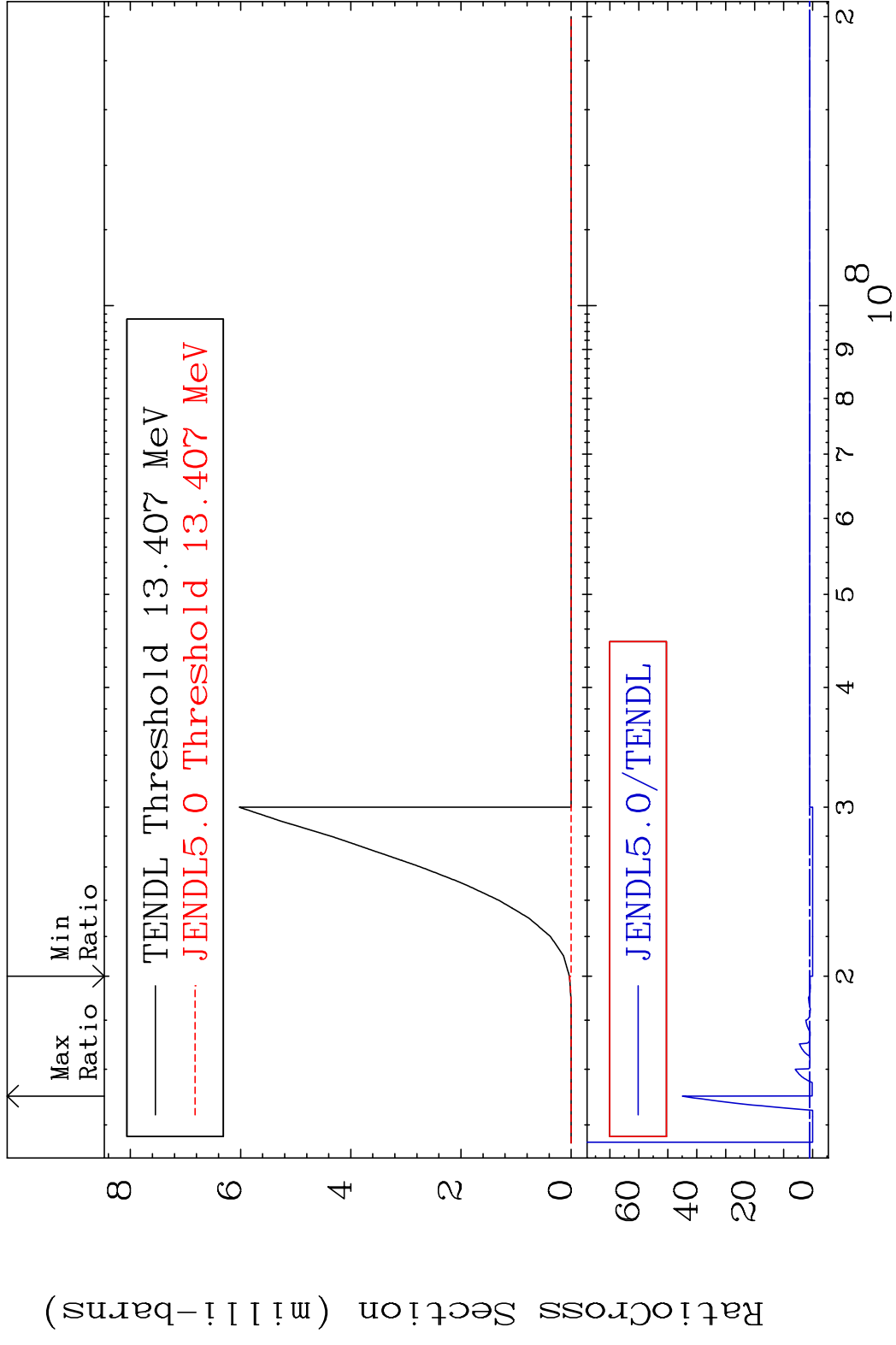


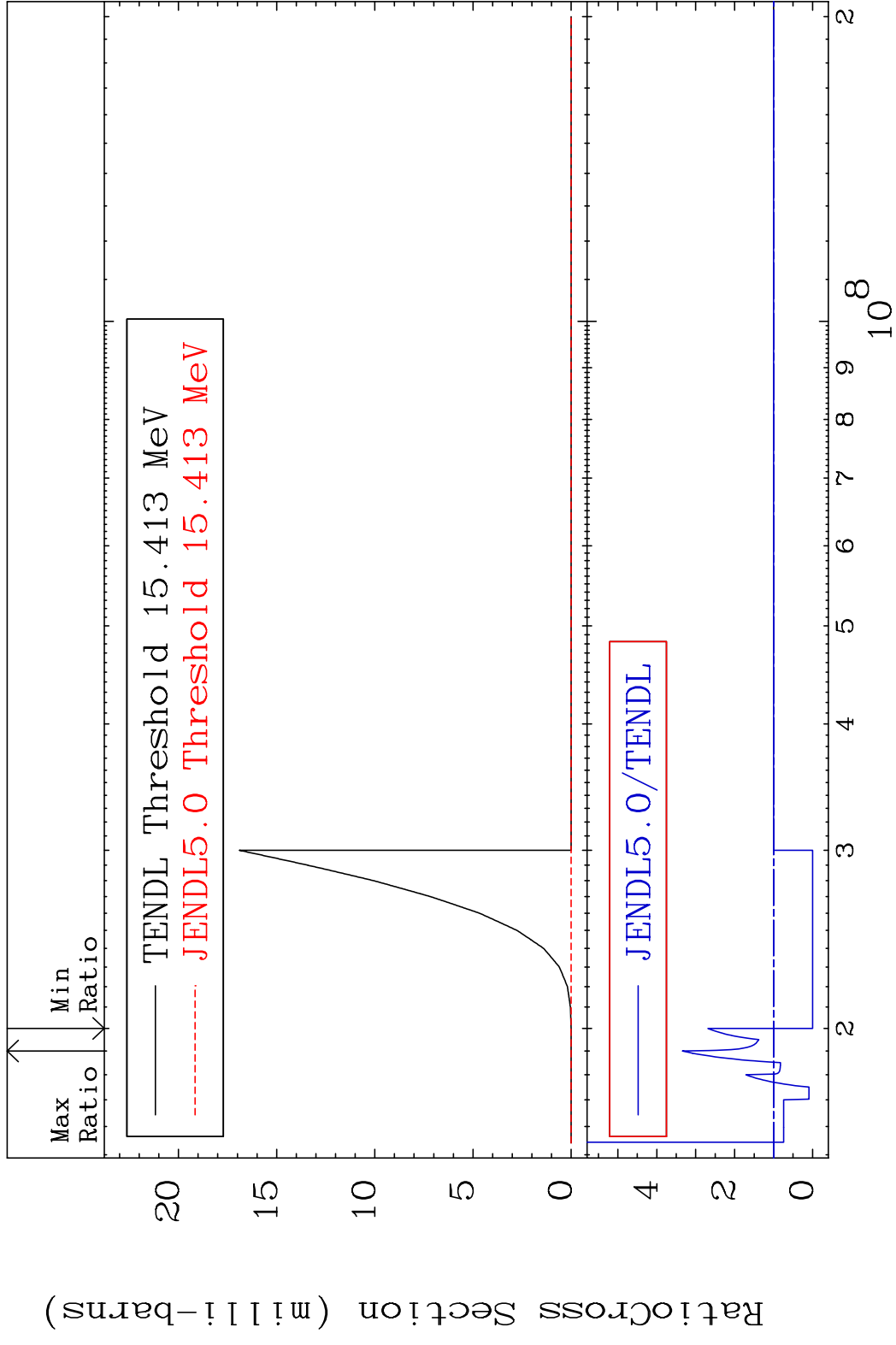
MAT 5531 (n, n') p:54-Xe-134g 55-Cs-135
 Radionuclide Production Cross Section Ratio 9999. %

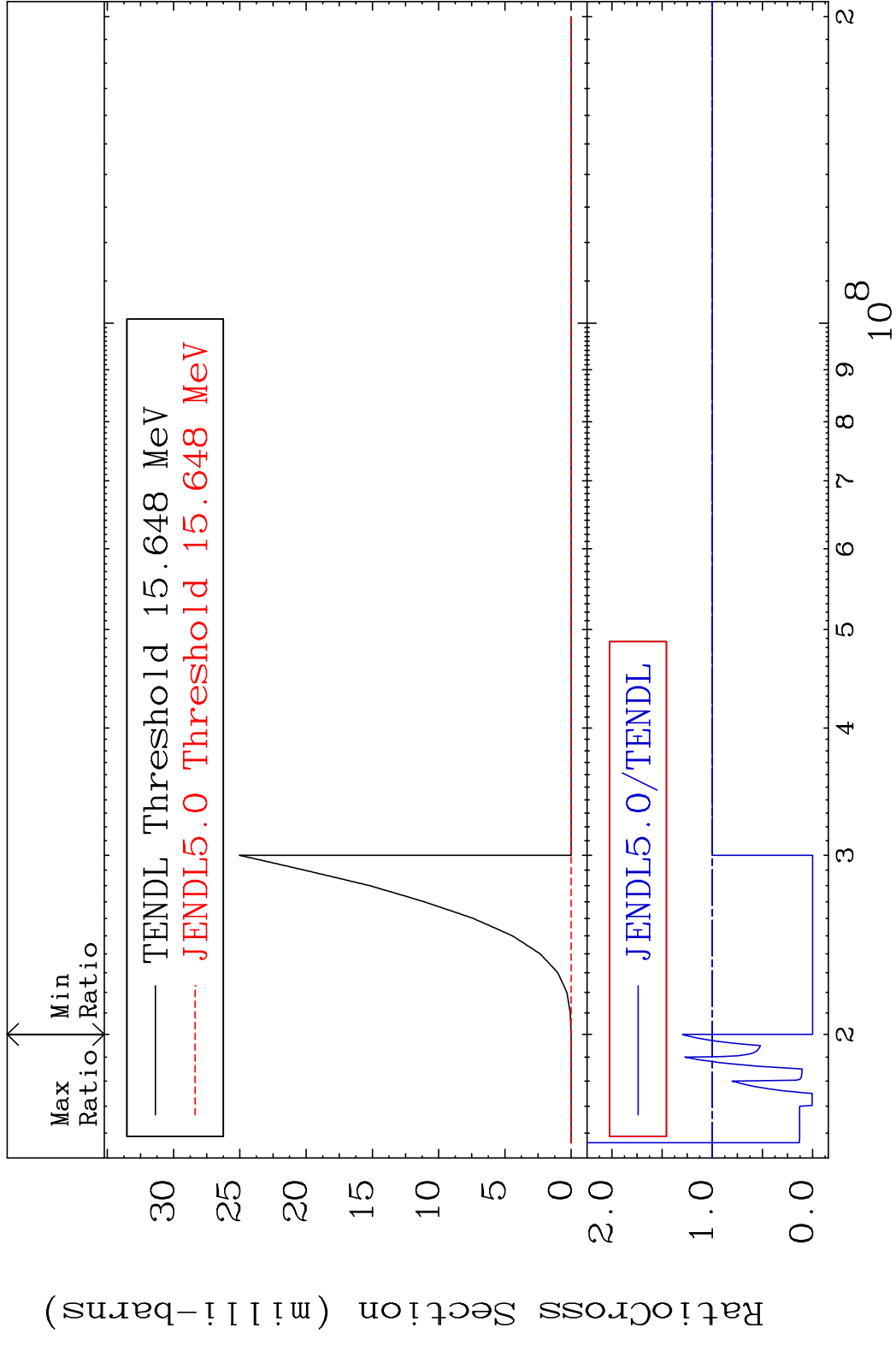




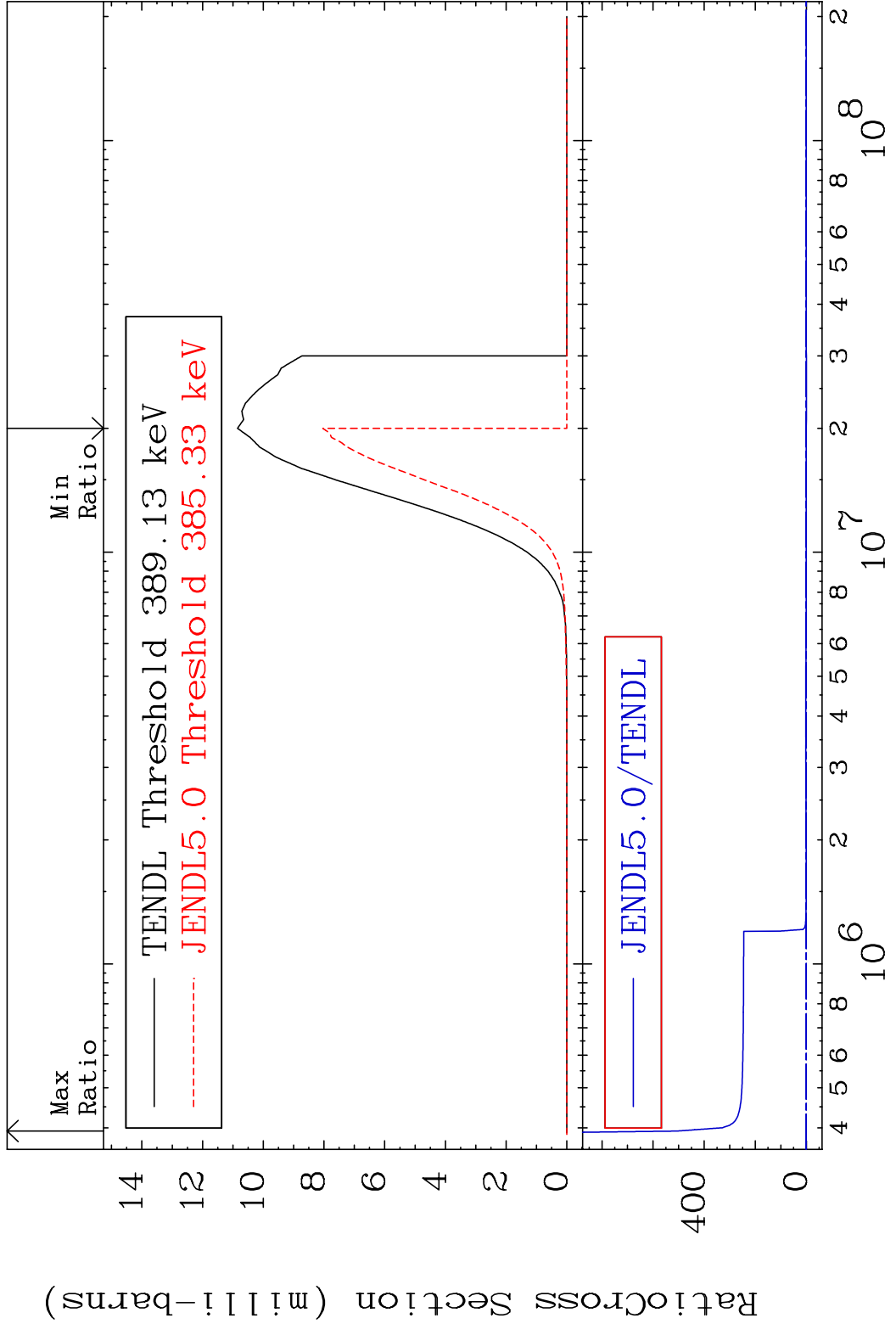




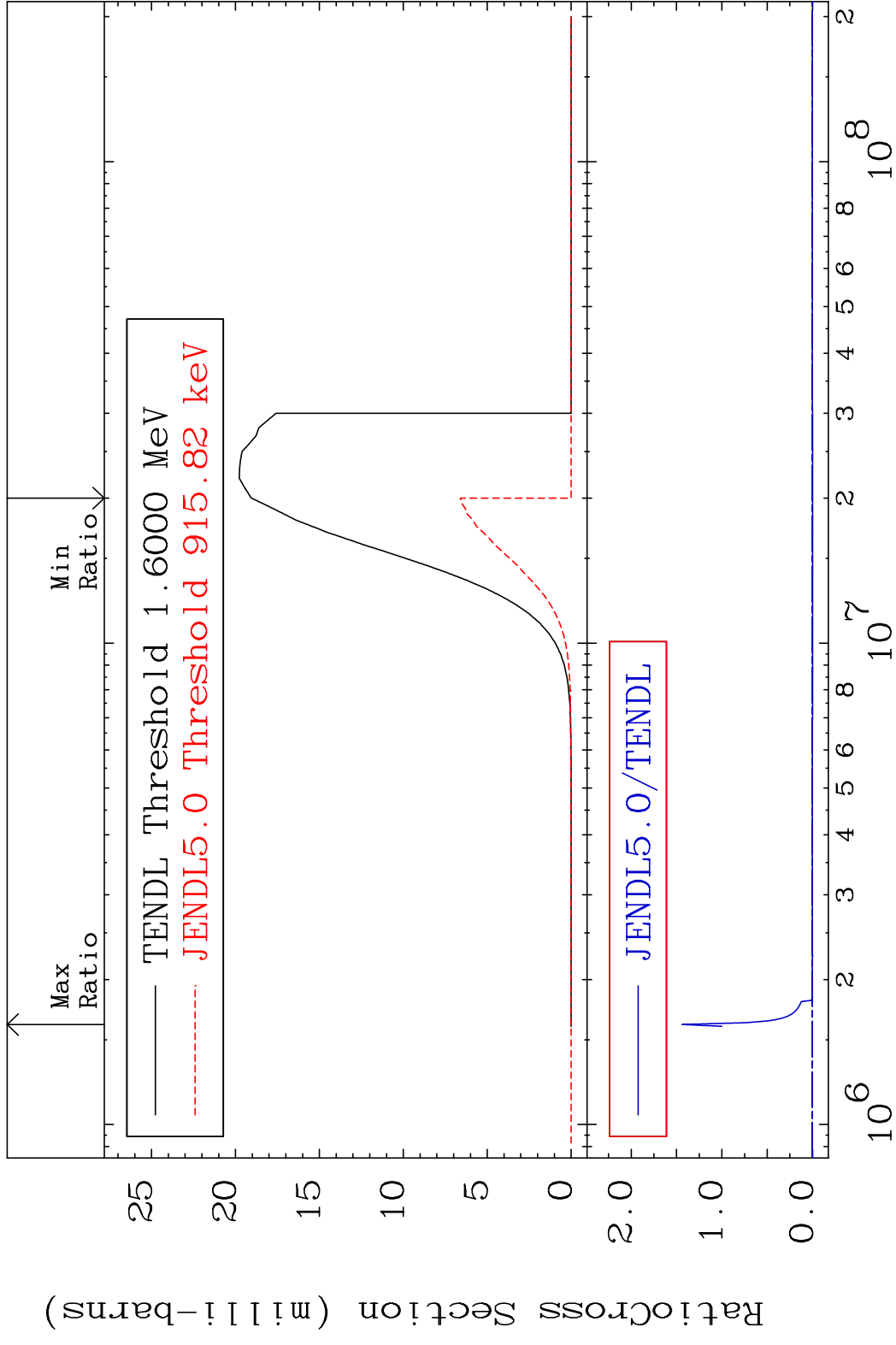




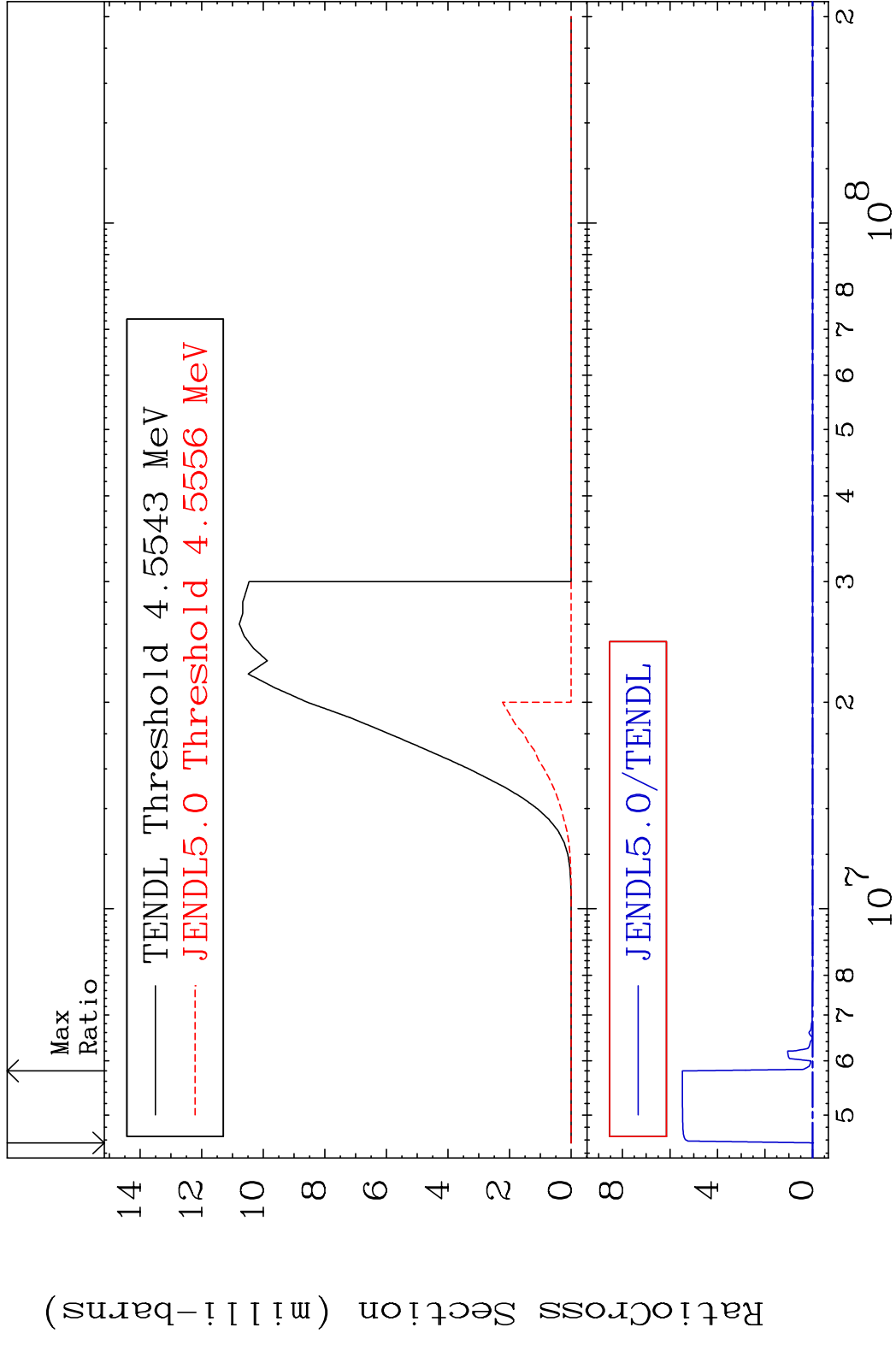
MAT 5531 (n,p):54-Xe-135g 55-Cs-135
 Radionuclide Production Cross Section Ratio 9999. %

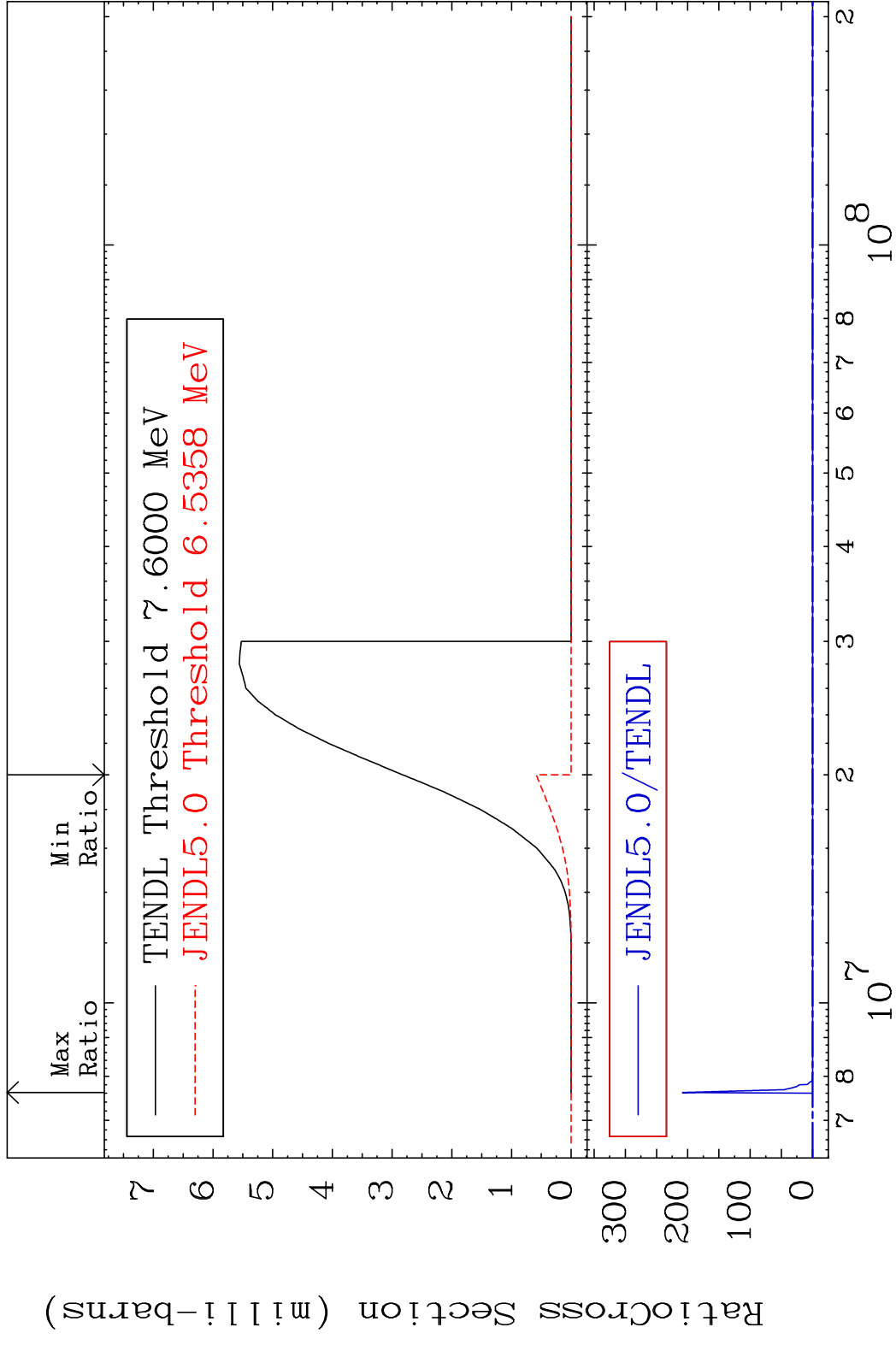


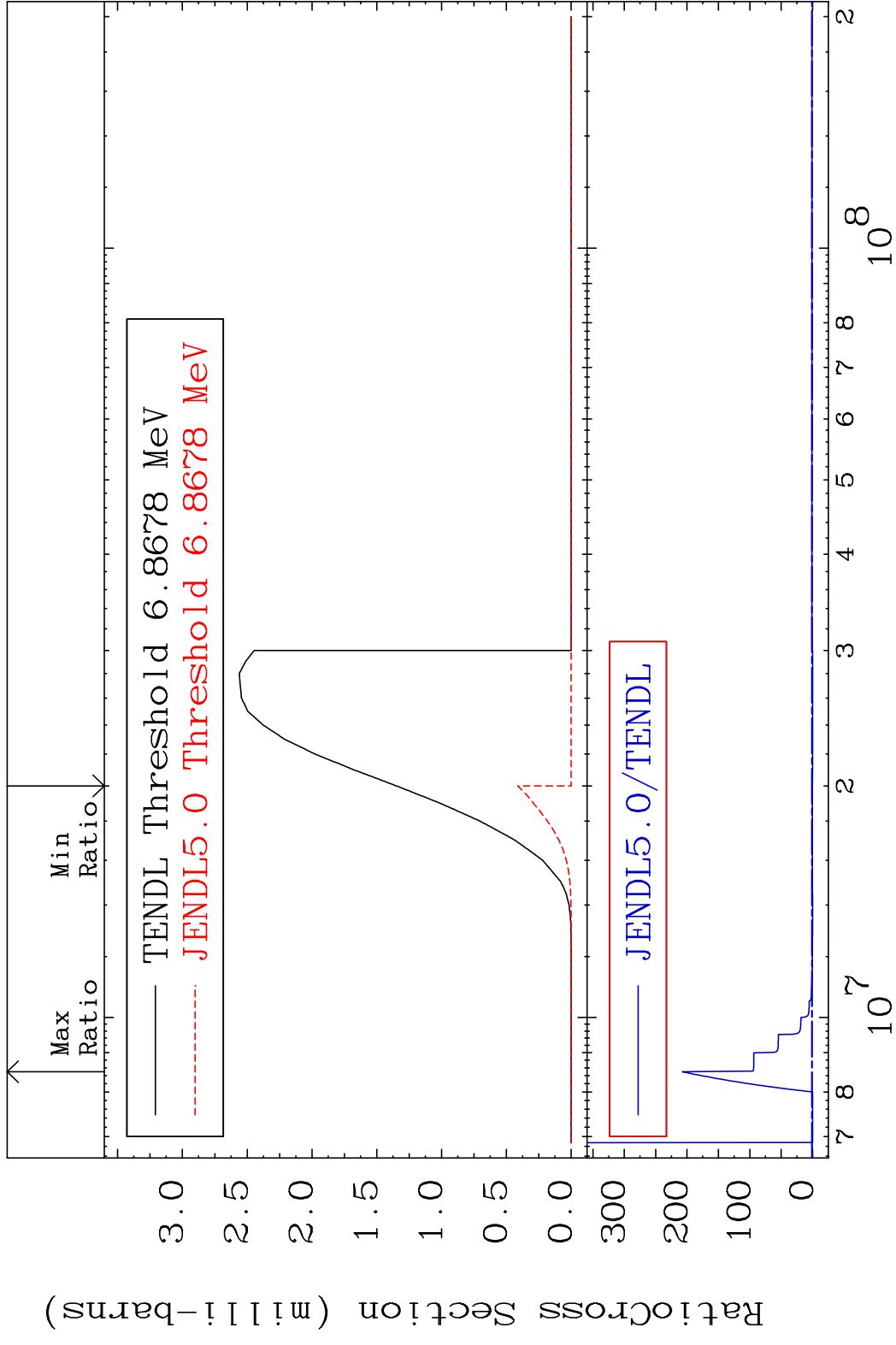
60 Incident Energy (eV) 55-Cs-135



MAT 5531 (n,d):54-Xe-134g 55-Cs-135
 Radionuclide Production Cross Section (%)







MAT 5531 (n, t):54-Xe-133m1 55-Cs-135
 Radionuclide Production Cross Section 6714. %

