

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

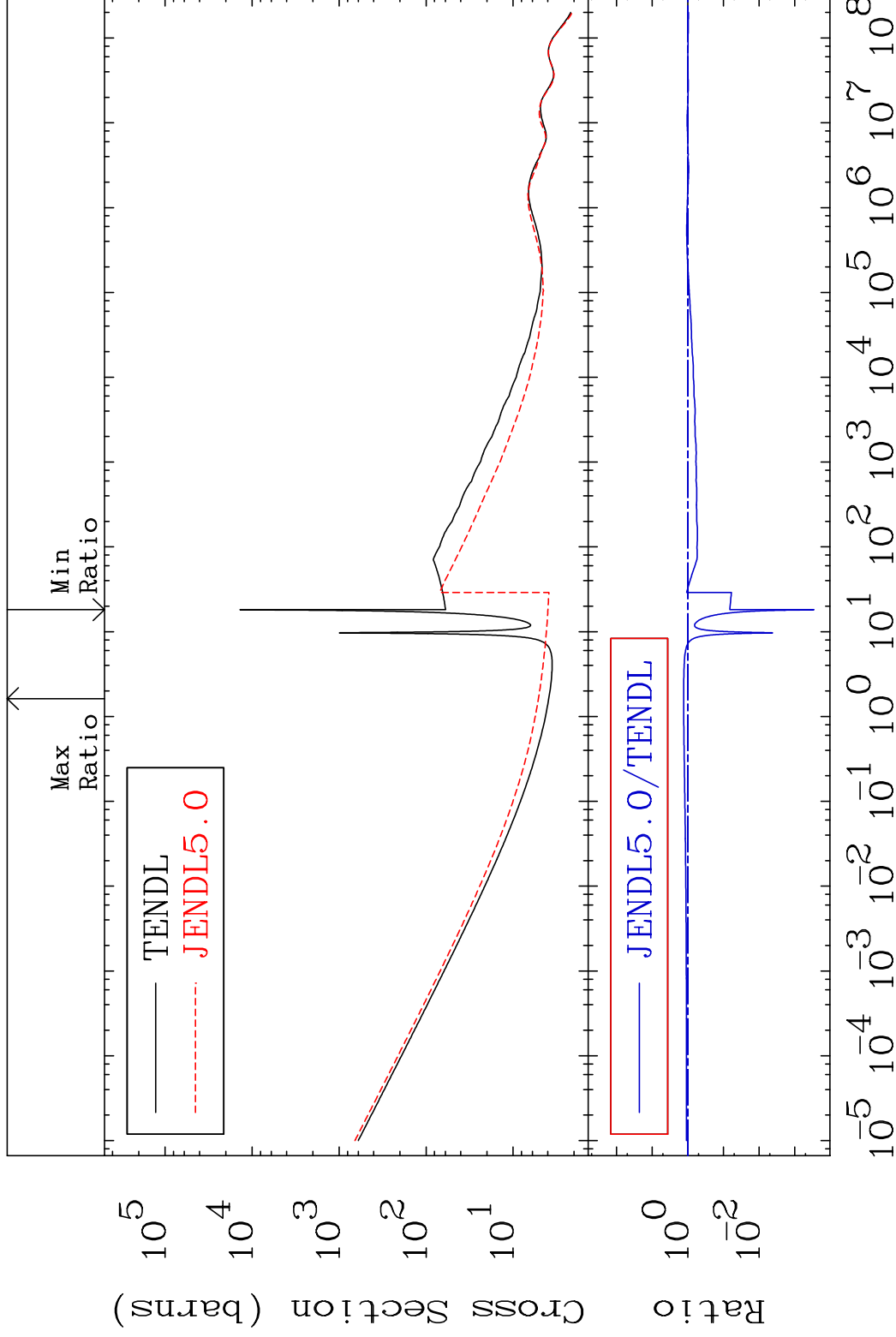
MAT 5534

Total

55-Cs-136

Cross Section

-99.97 To 31.55 %



1

Incident Energy (eV)

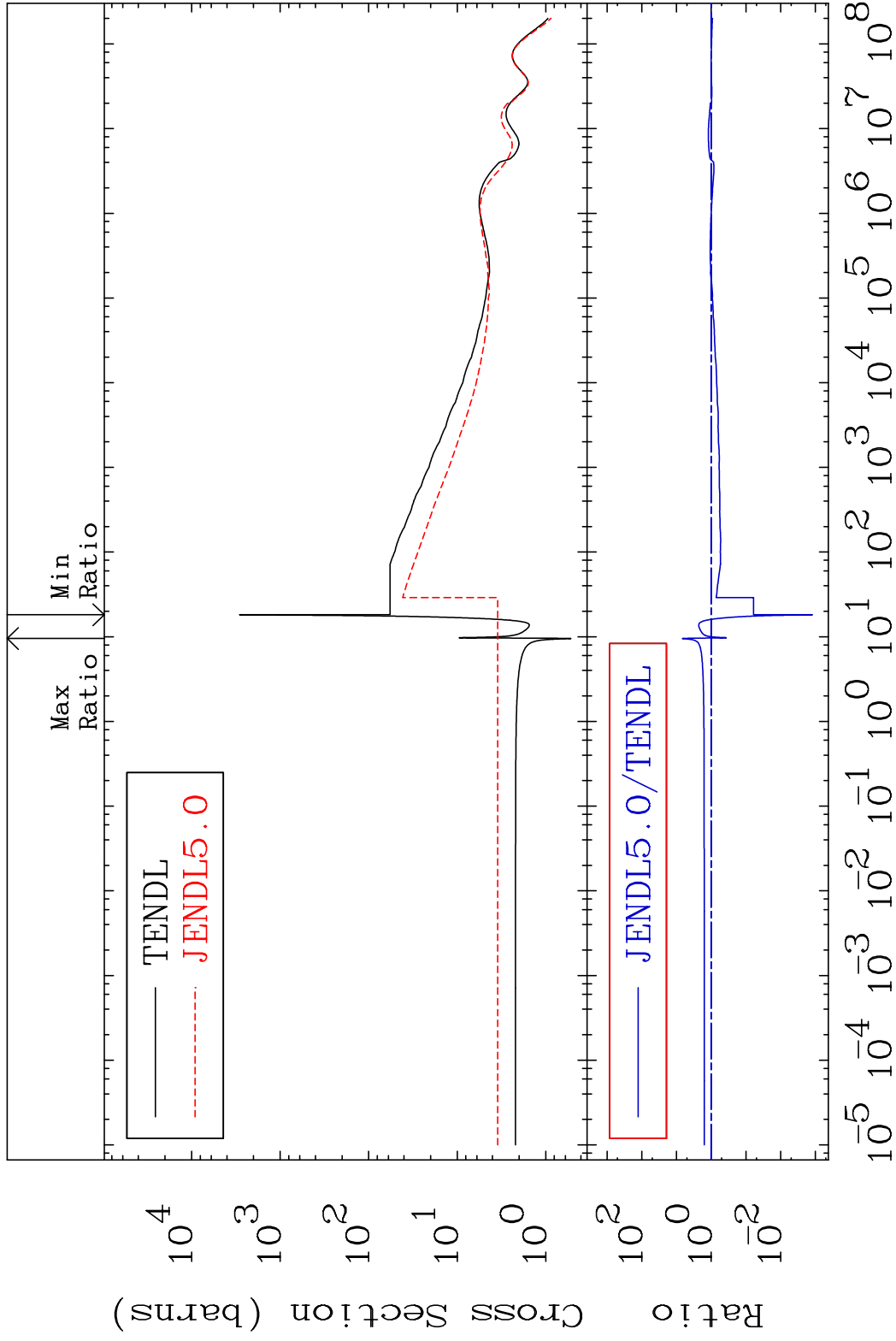
55-Cs-136

MAT 5534

Elastic

55-Cs-136

Cross Section -99.88 To 578.4 %

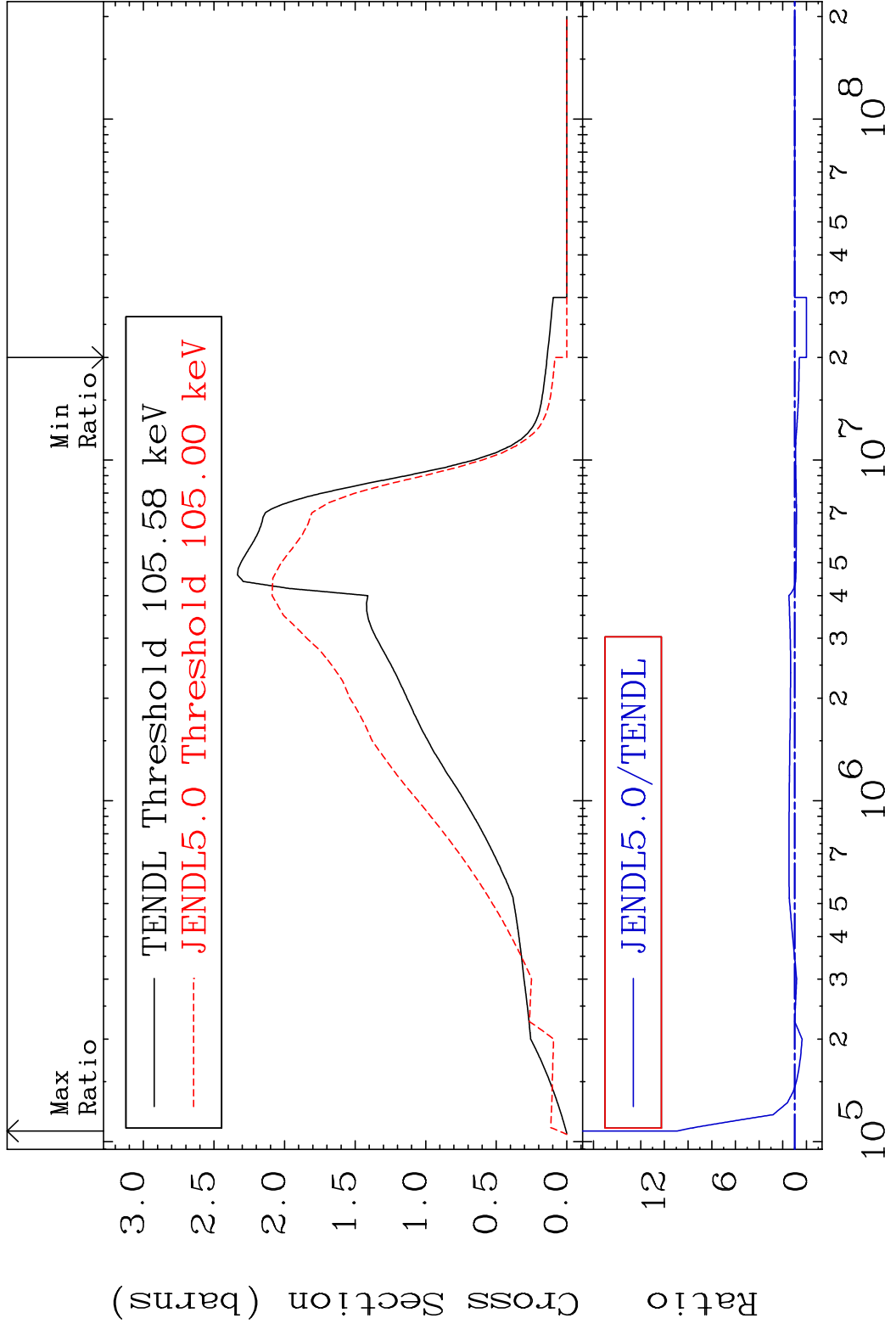


2

Incident Energy (eV)

55-Cs-136

MAT 5534 Inelastic 55-Cs-136
 Cross Section -100.0 To 992.2 %



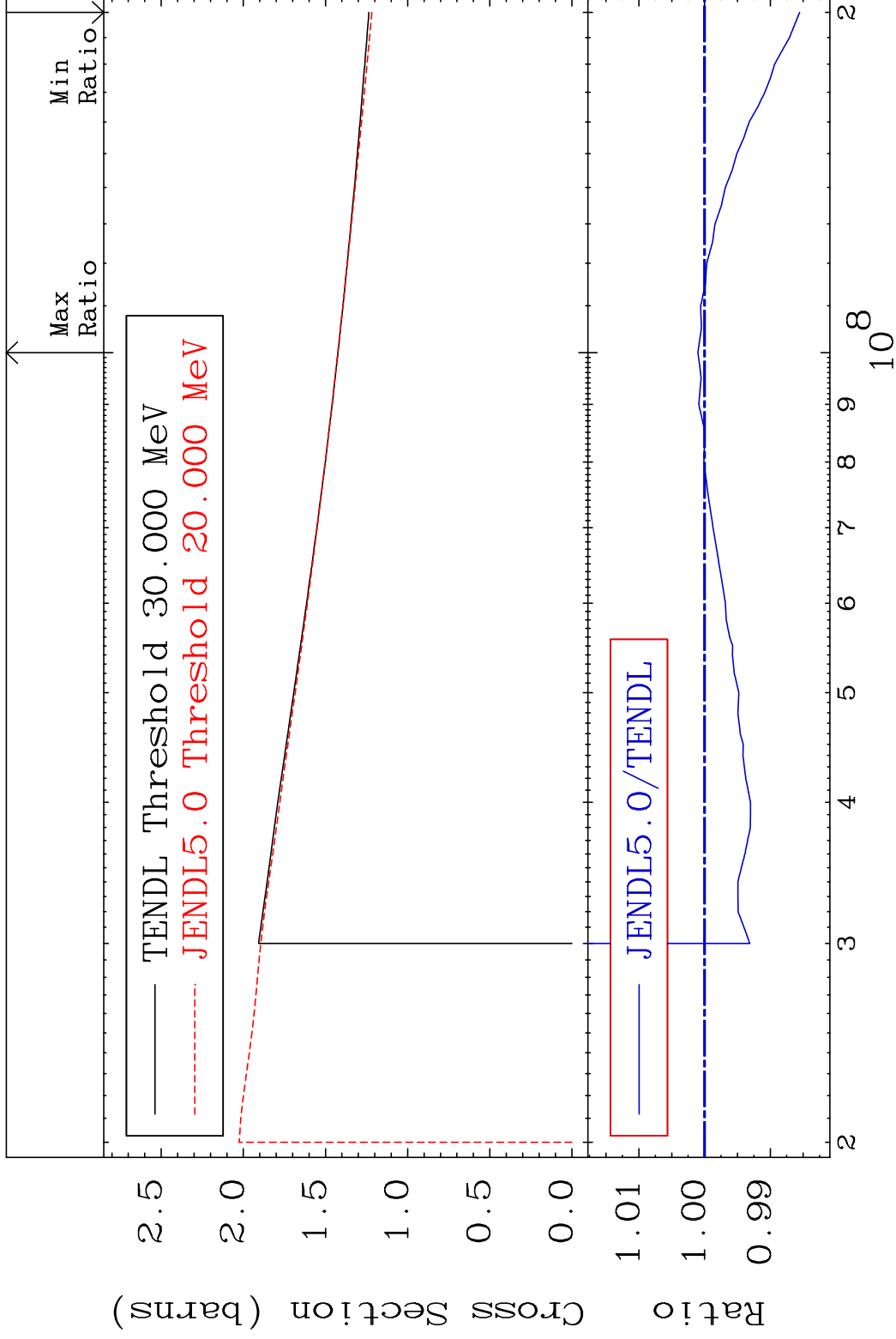
3 2 3 4 5 7 2 3 4 5 7 2 3 4 5 7 8 2
 10⁵ 10⁶ 10⁷ 10⁸
 55-Cs-136

MAT 5534

(n, remainder)

55-Cs-136

Cross Section -1.446 To 0.102 %



4

Incident Energy (eV)

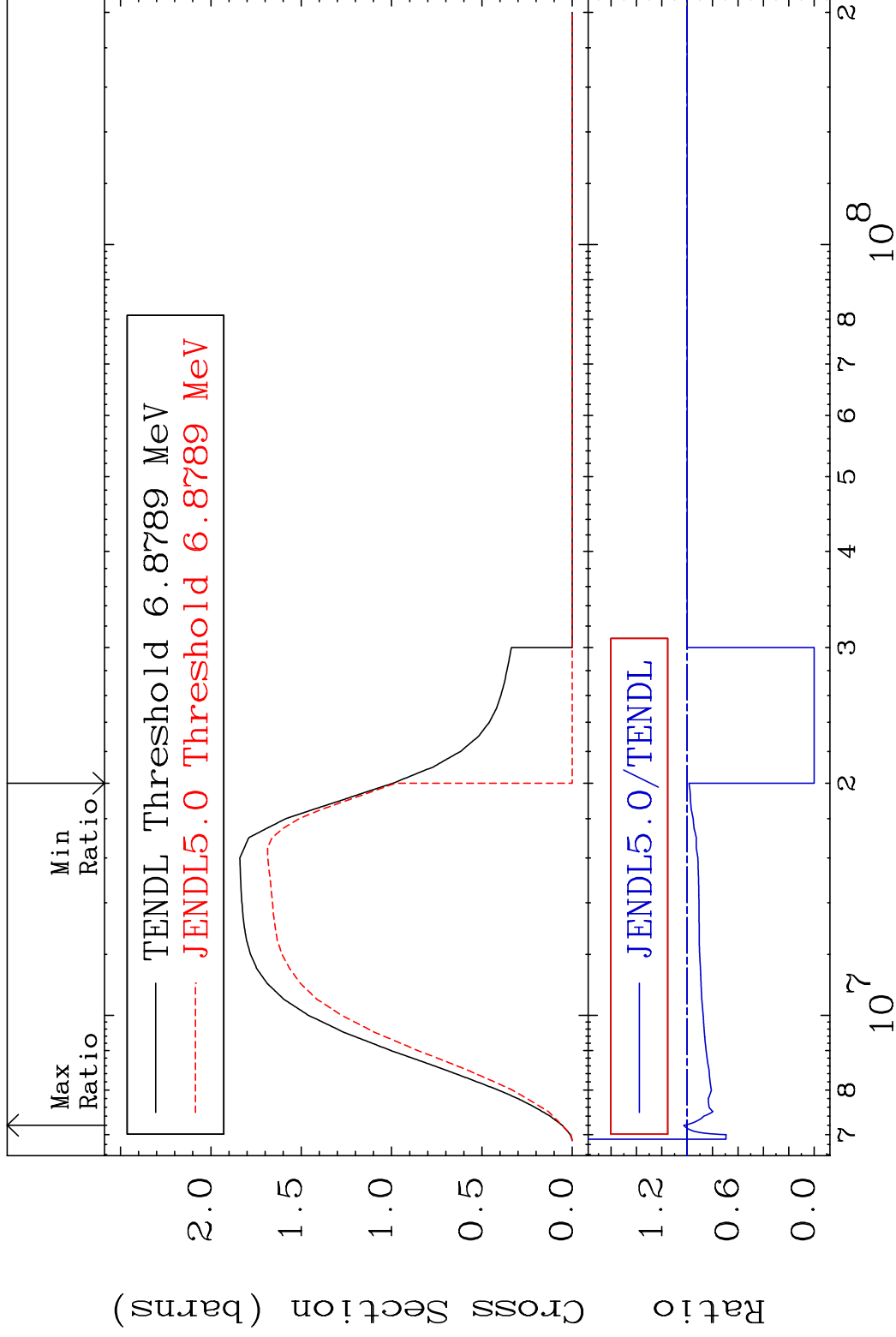
55-Cs-136

MAT 5534

(n,2n)

55-Cs-136

Cross Section -100.0 To 2.804 %



5

Incident Energy (eV)

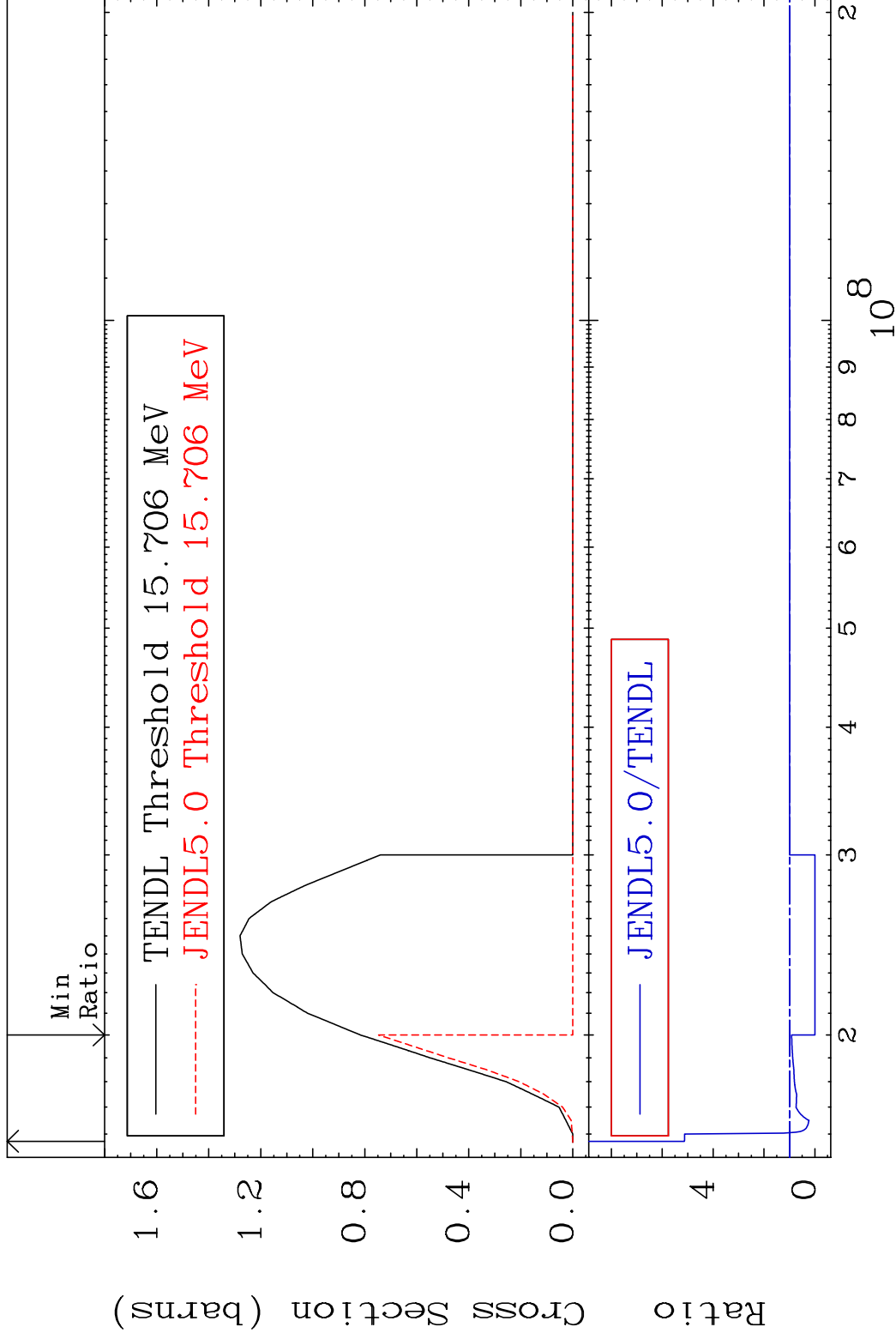
55-Cs-136

MAT 5534

(n,3n)

55-Cs-136

Cross Section -100.0 To 413.4 %



6

Incident Energy (eV)

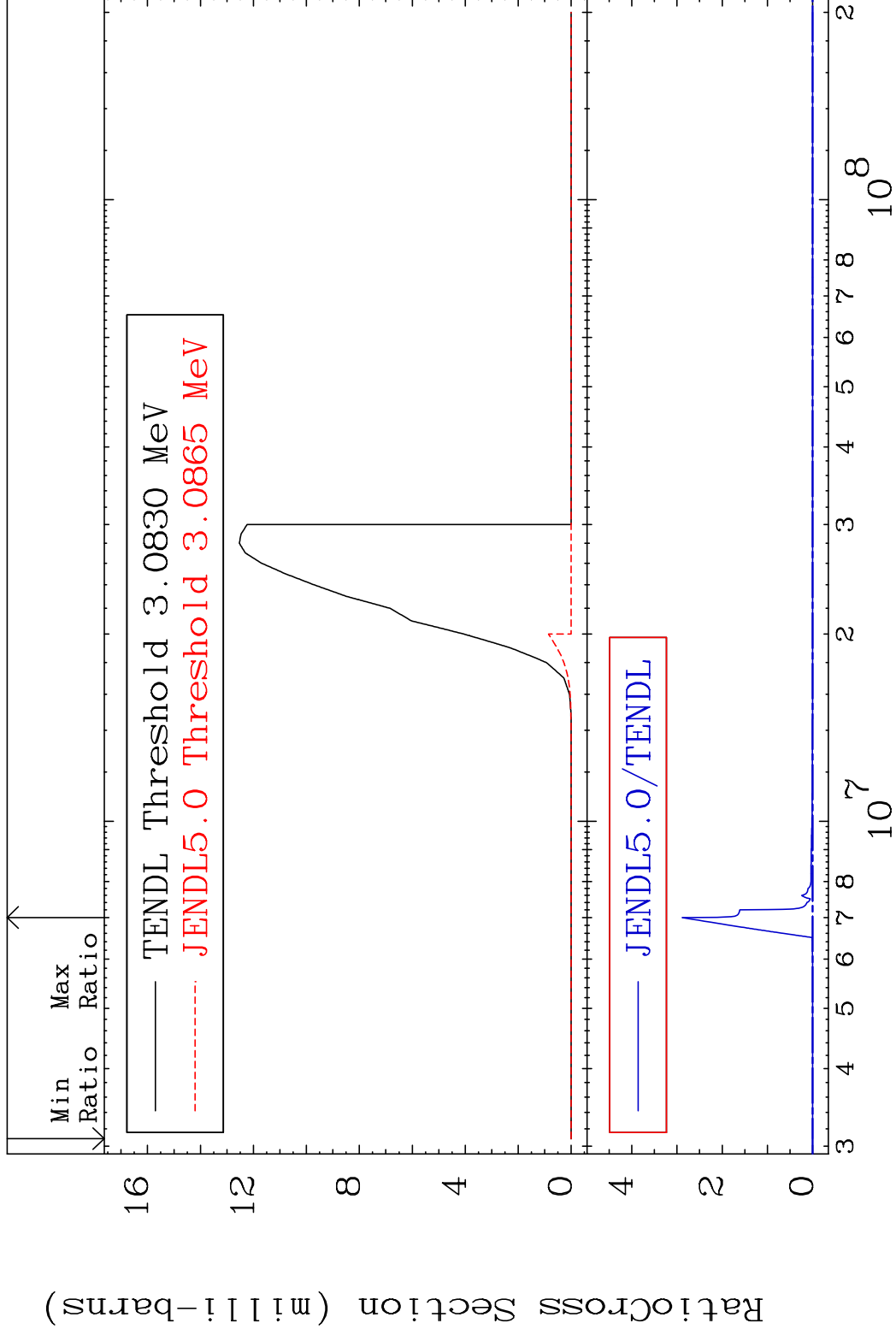
55-Cs-136

MAT 5534

(n,n') α

55-Cs-136

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

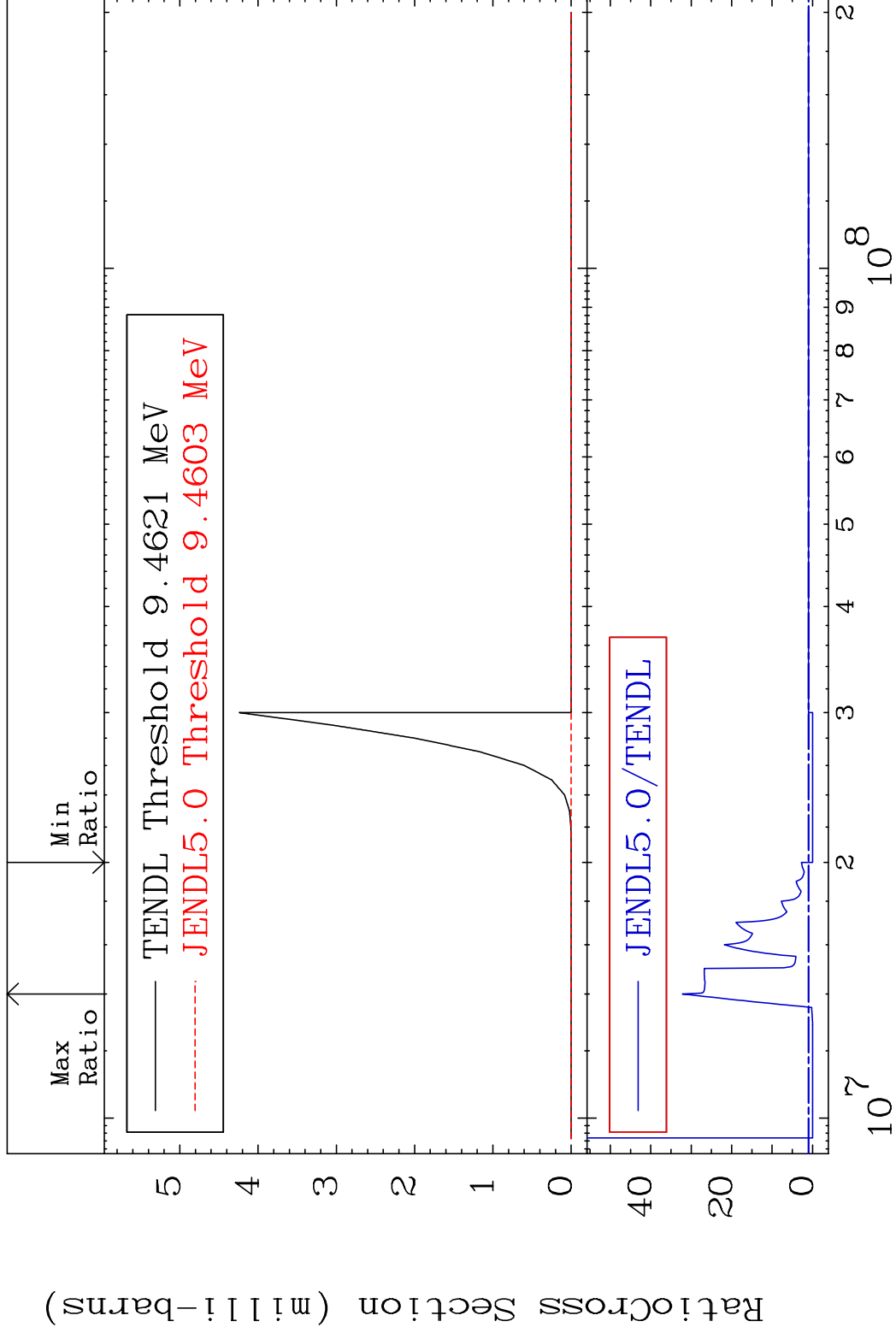
55-Cs-136

MAT 5534

(n,2n) α

55-Cs-136

Cross Section -100.0 To 3119. %



8

Incident Energy (eV)

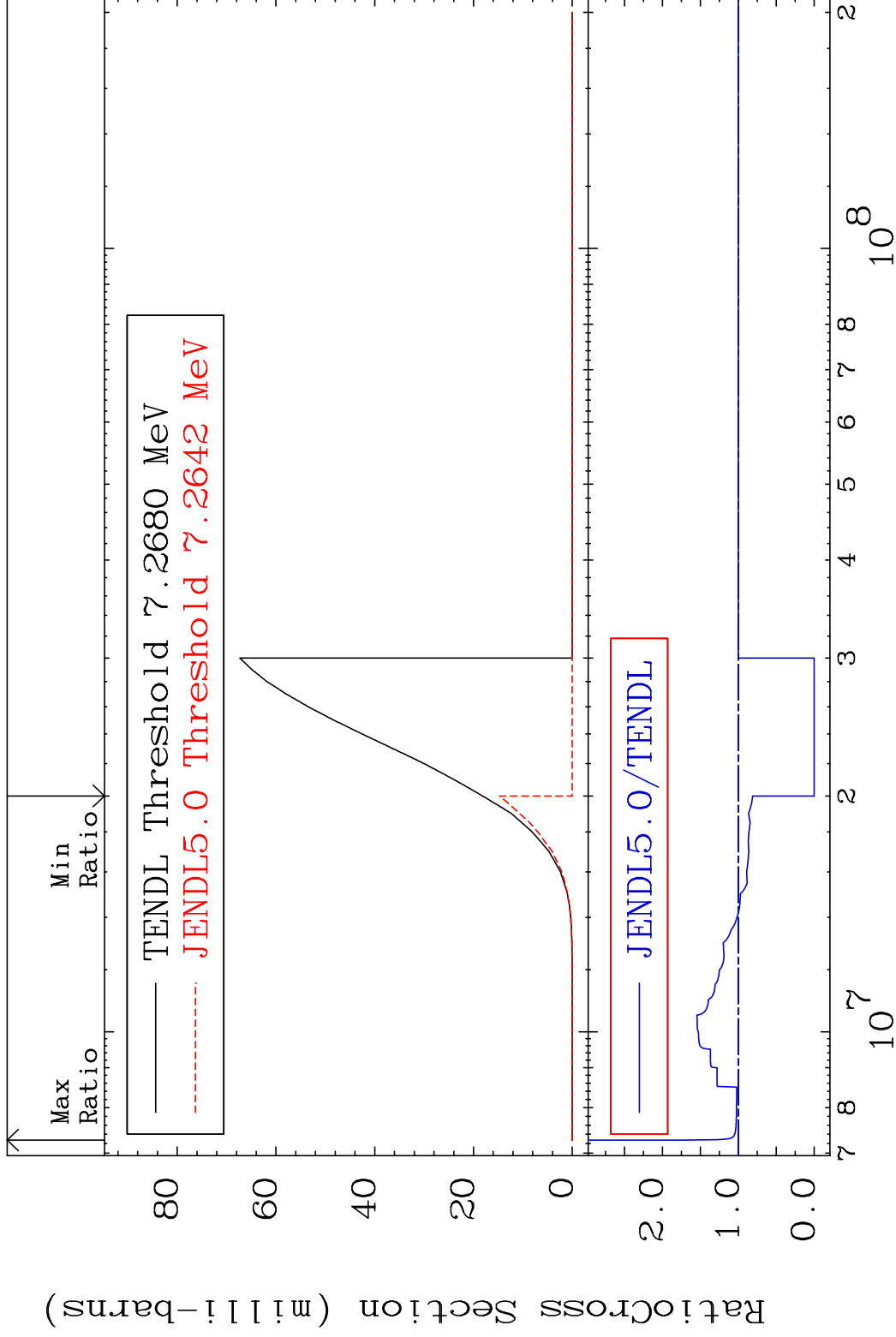
55-Cs-136

MAT 5534

(n, n') p

55-Cs-136

Cross Section -100.0 To 72.05 %



9

Incident Energy (eV)

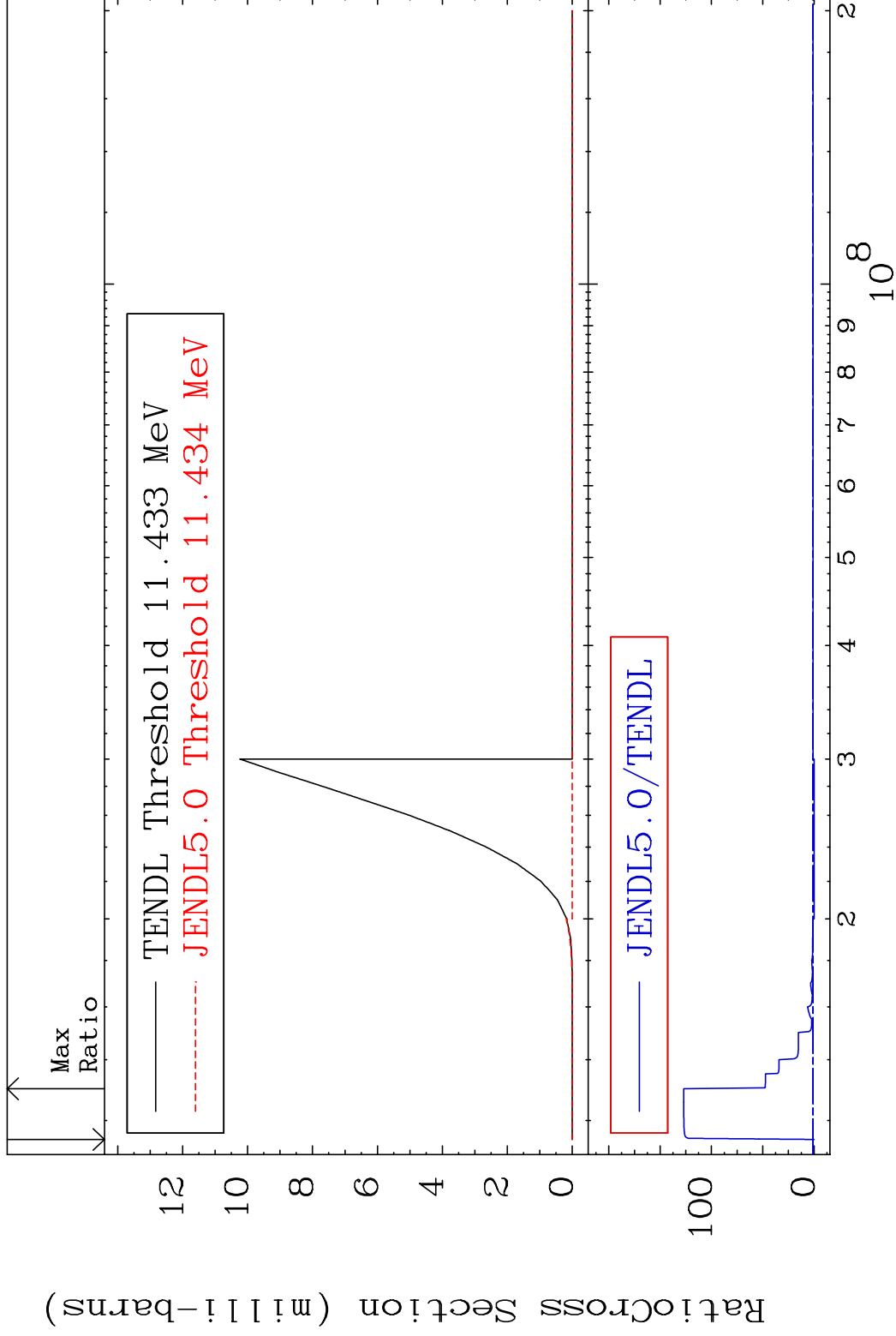
55-Cs-136

MAT 5534

(n, n') d

55-Cs-136

Cross Section -100.0 To 9999. %

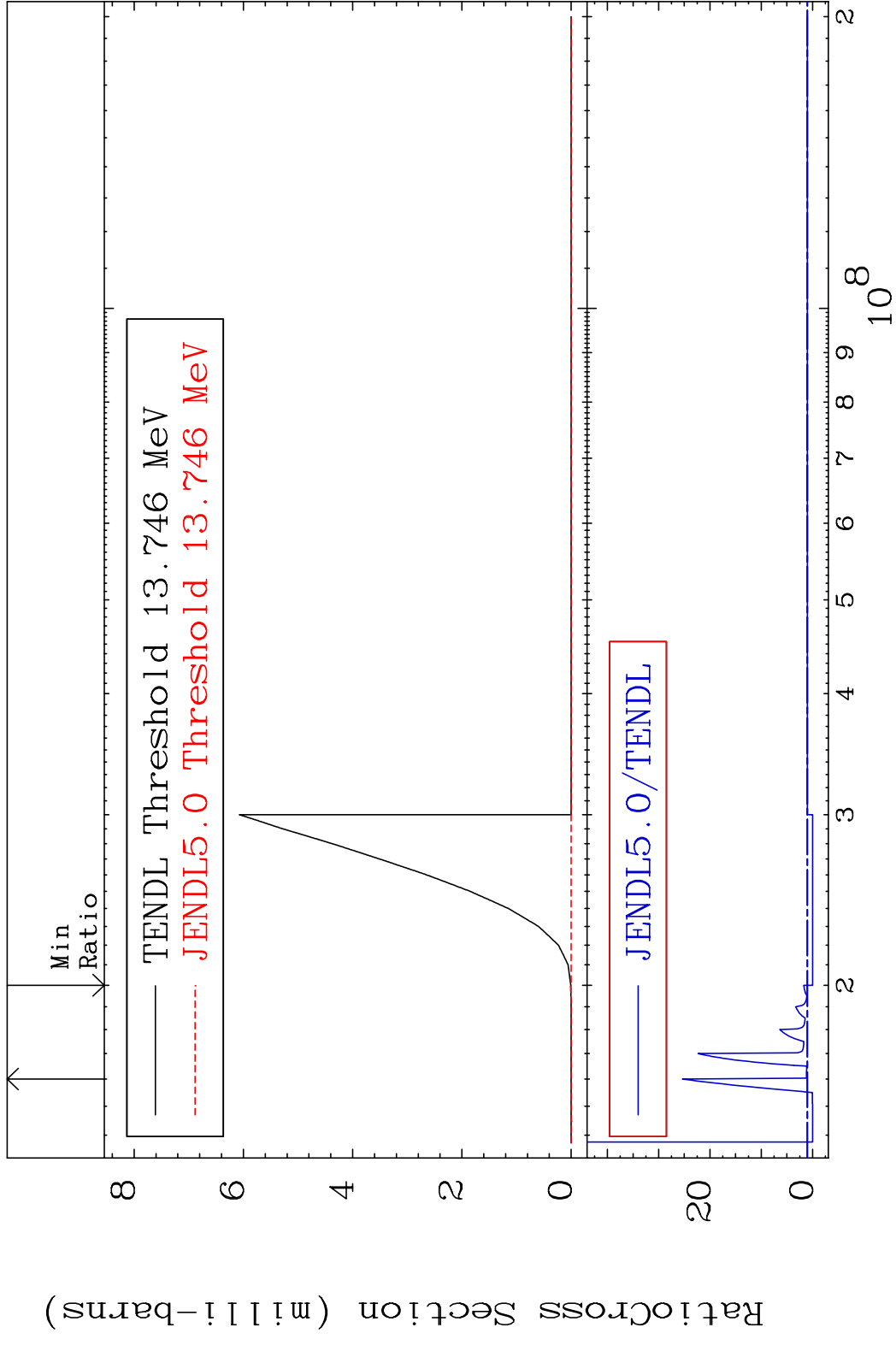


10

Incident Energy (eV)

55-Cs-136

MAT 5534 (n, n') t 55-Cs-136
 Cross Section -100.0 To 2438. %

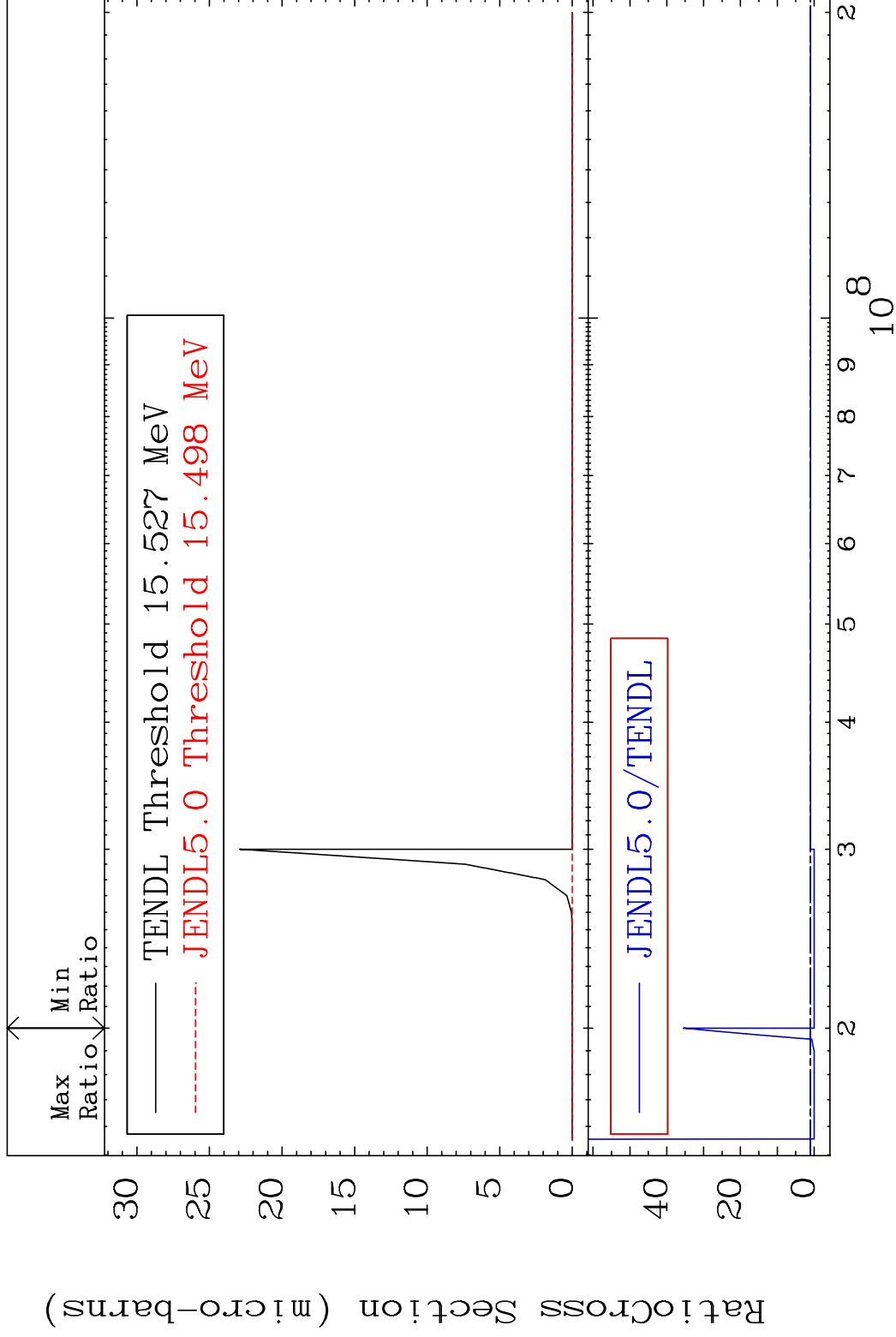


MAT 5534

(n,n') He-3

55-Cs-136

Cross Section -100.0 To 3441. %

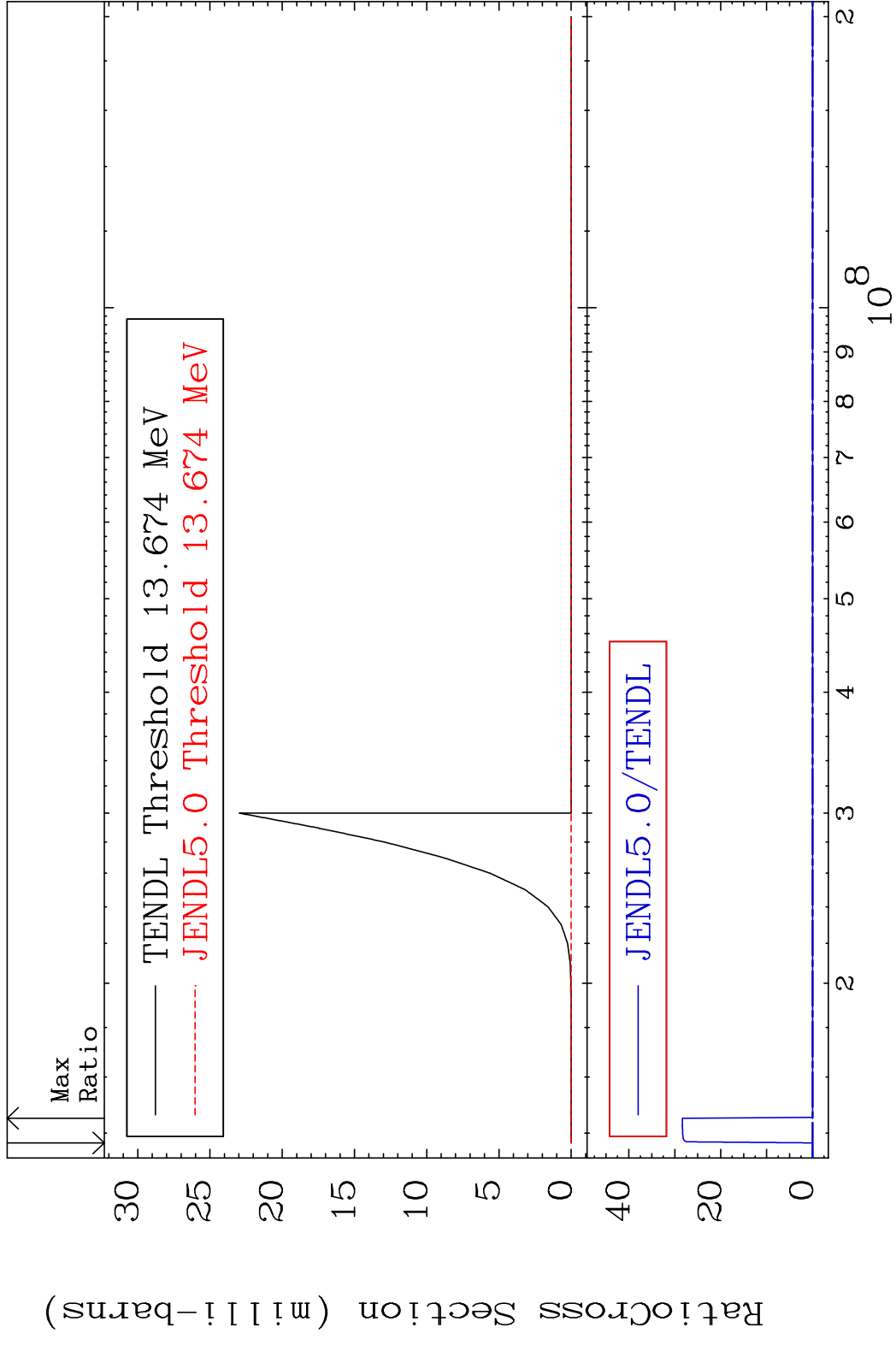


12

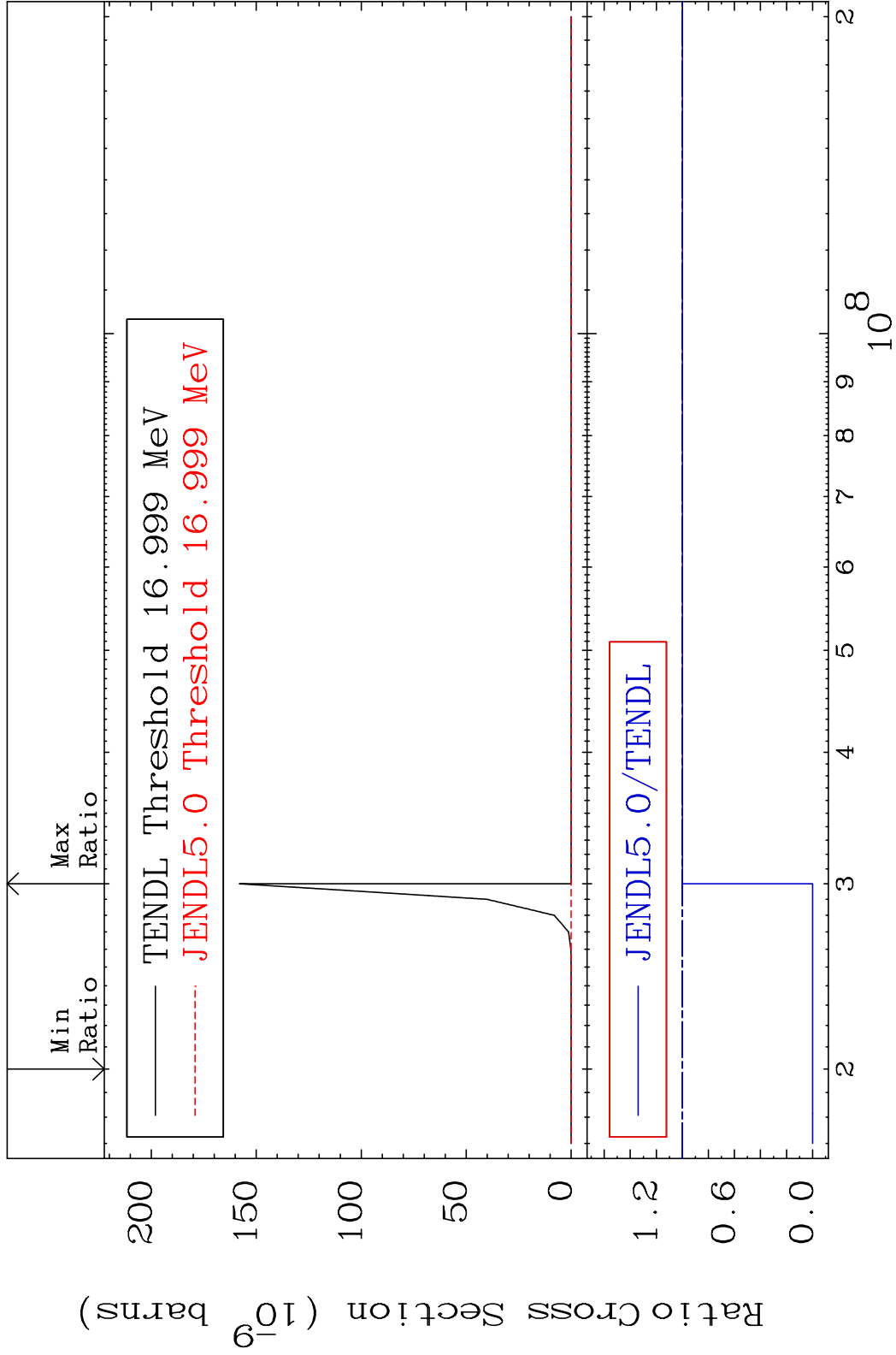
Incident Energy (eV)

55-Cs-136

MAT 5534 (n,2n) p 55-Cs-136
 Cross Section -100.0 To 9999. %



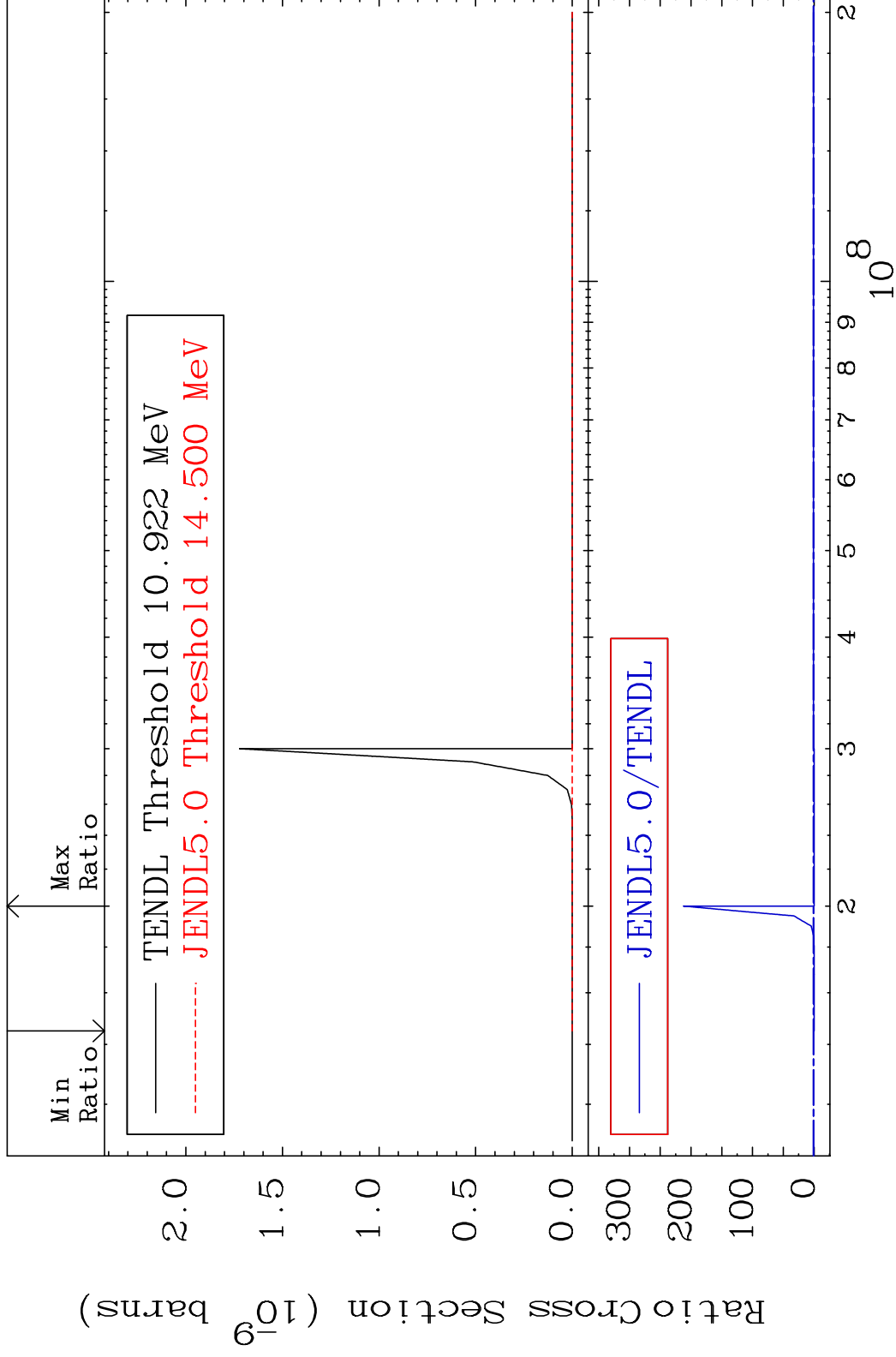
MAT 5534 (n,2n) p 55-Cs-136
 Cross Section -100.0 To 0.000 %



MAT 5534

(n,n') p α 55-Cs-136

Cross Section -100.0 To 9999. %

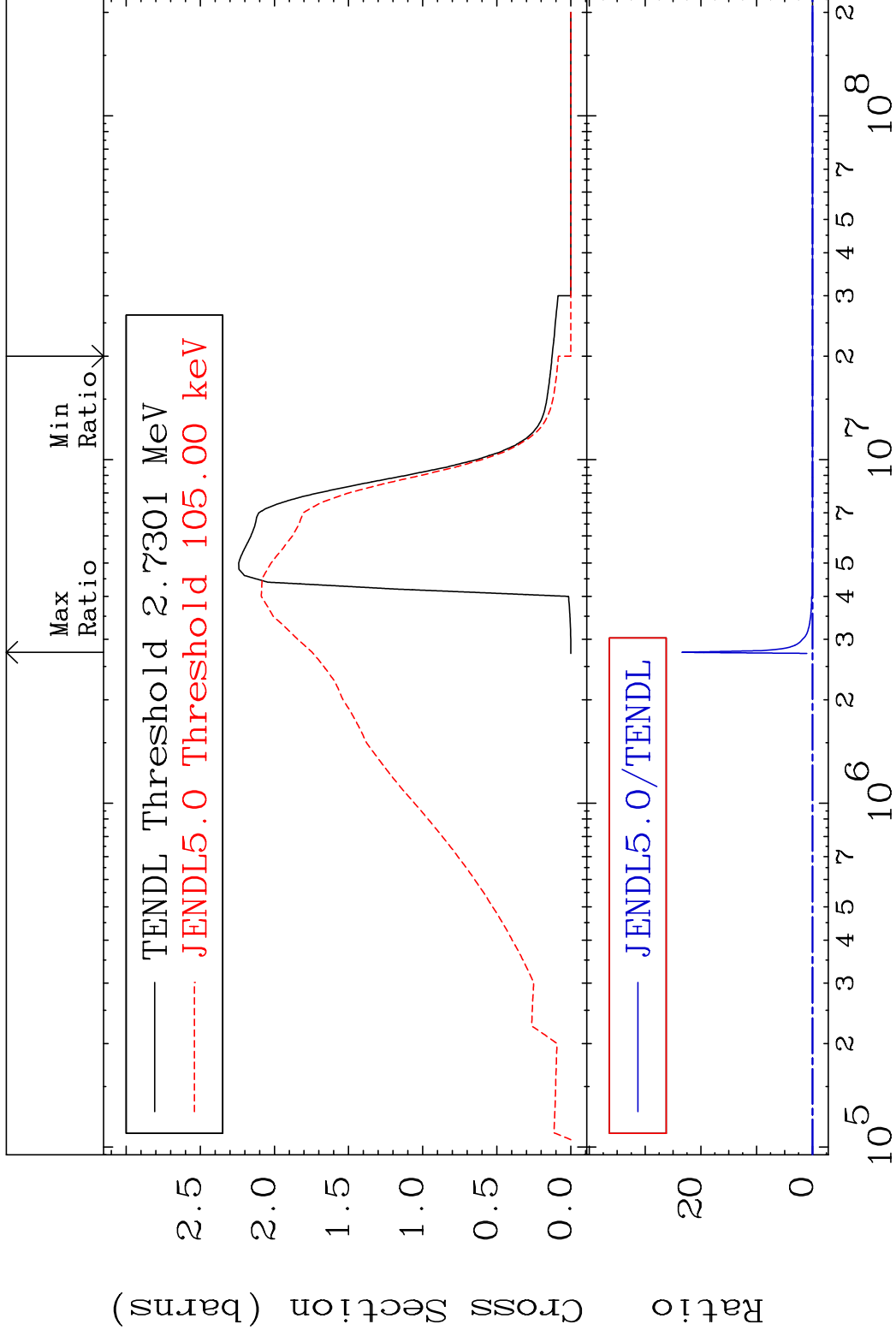


MAT 5534

(n,n') Continuum

55-Cs-136

Cross Section -100.0 To 9999. %



16

Incident Energy (eV)

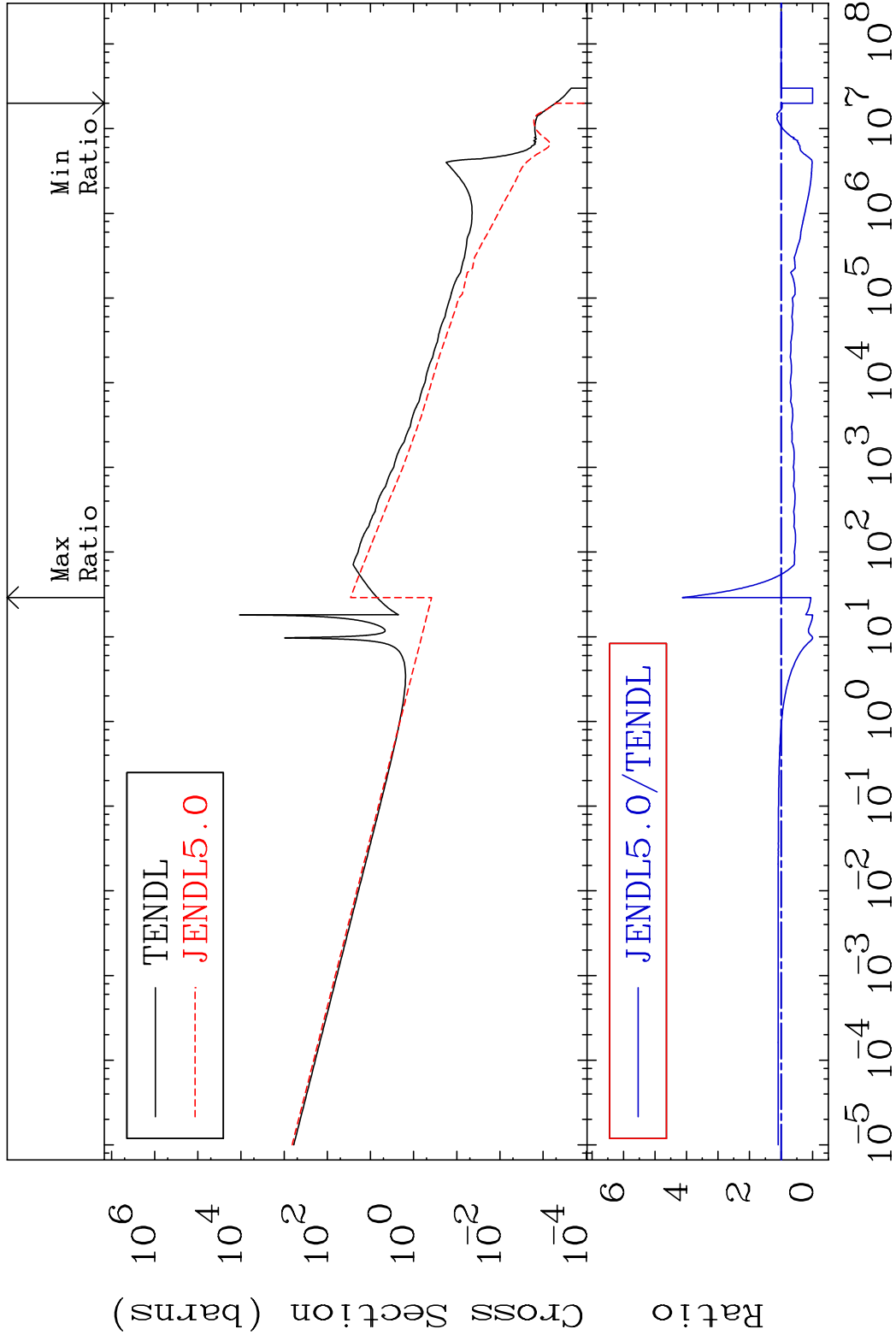
55-Cs-136

MAT 5534

(n, γ)

55-Cs-136

Cross Section -100.0 To 313.3 %



17

Incident Energy (eV)

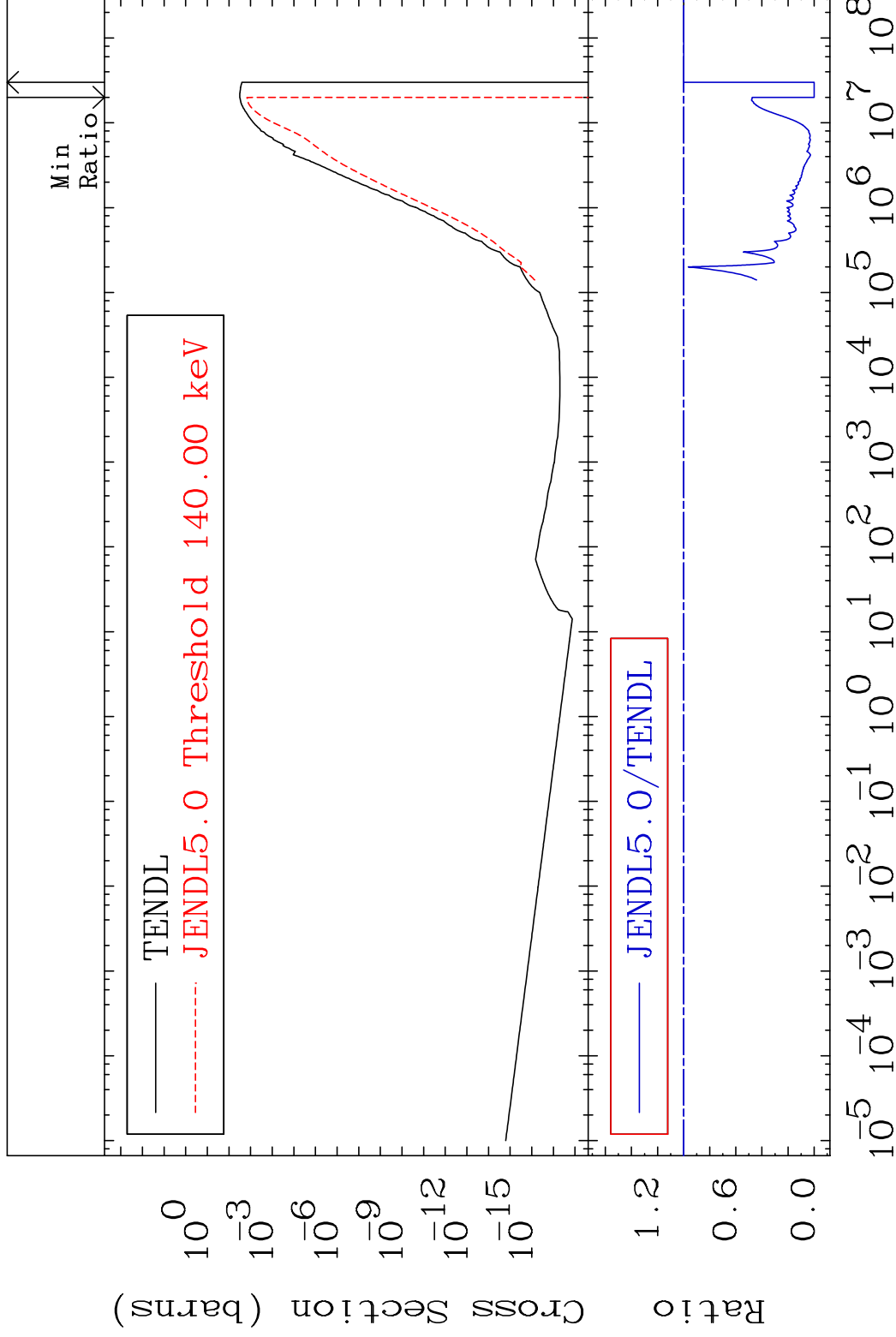
55-Cs-136

MAT 5534

(n,p)

55-Cs-136

Cross Section -100.0 To 0.000 %



18

Incident Energy (eV)

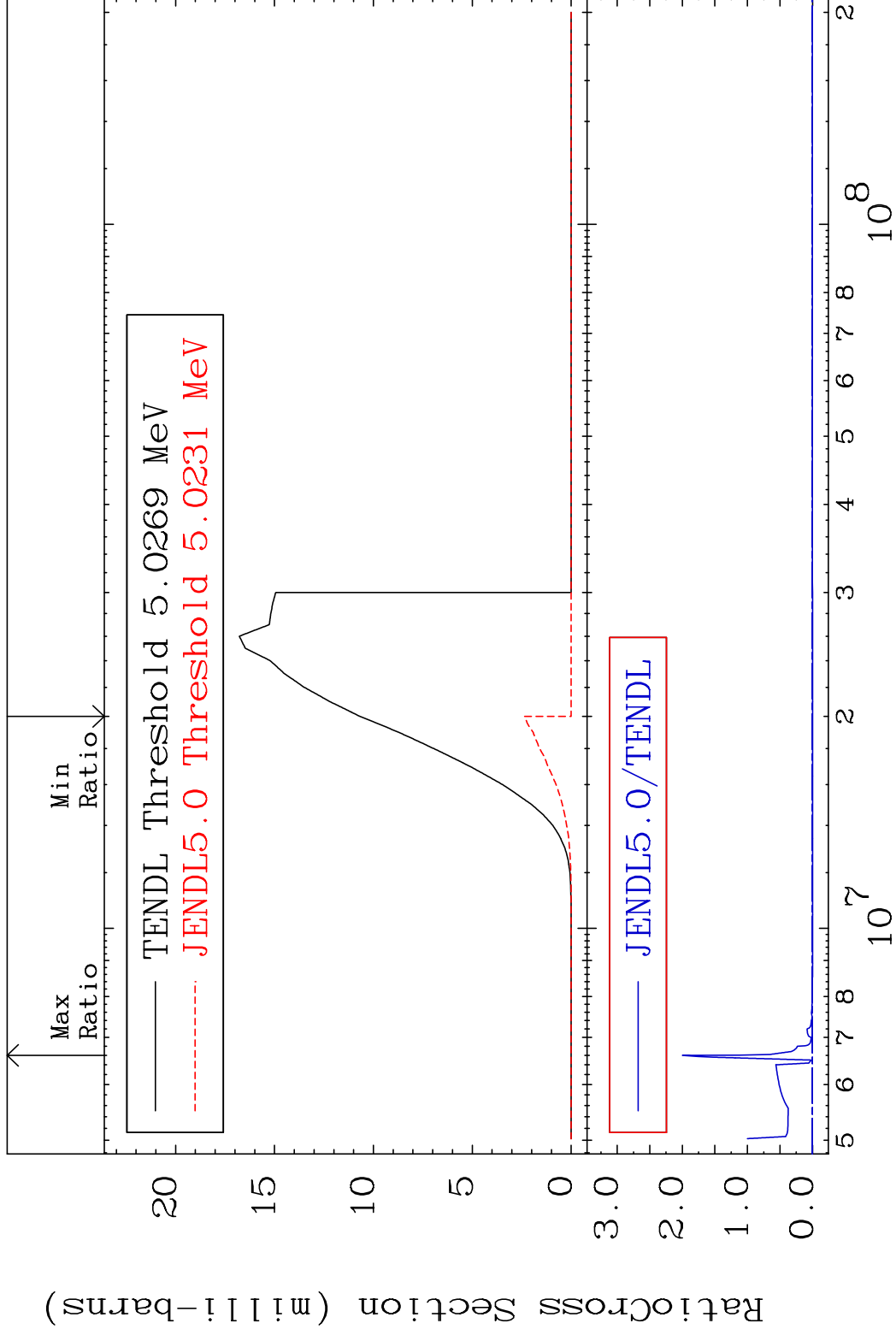
55-Cs-136

MAT 5534

(n,d)

55-Cs-136

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

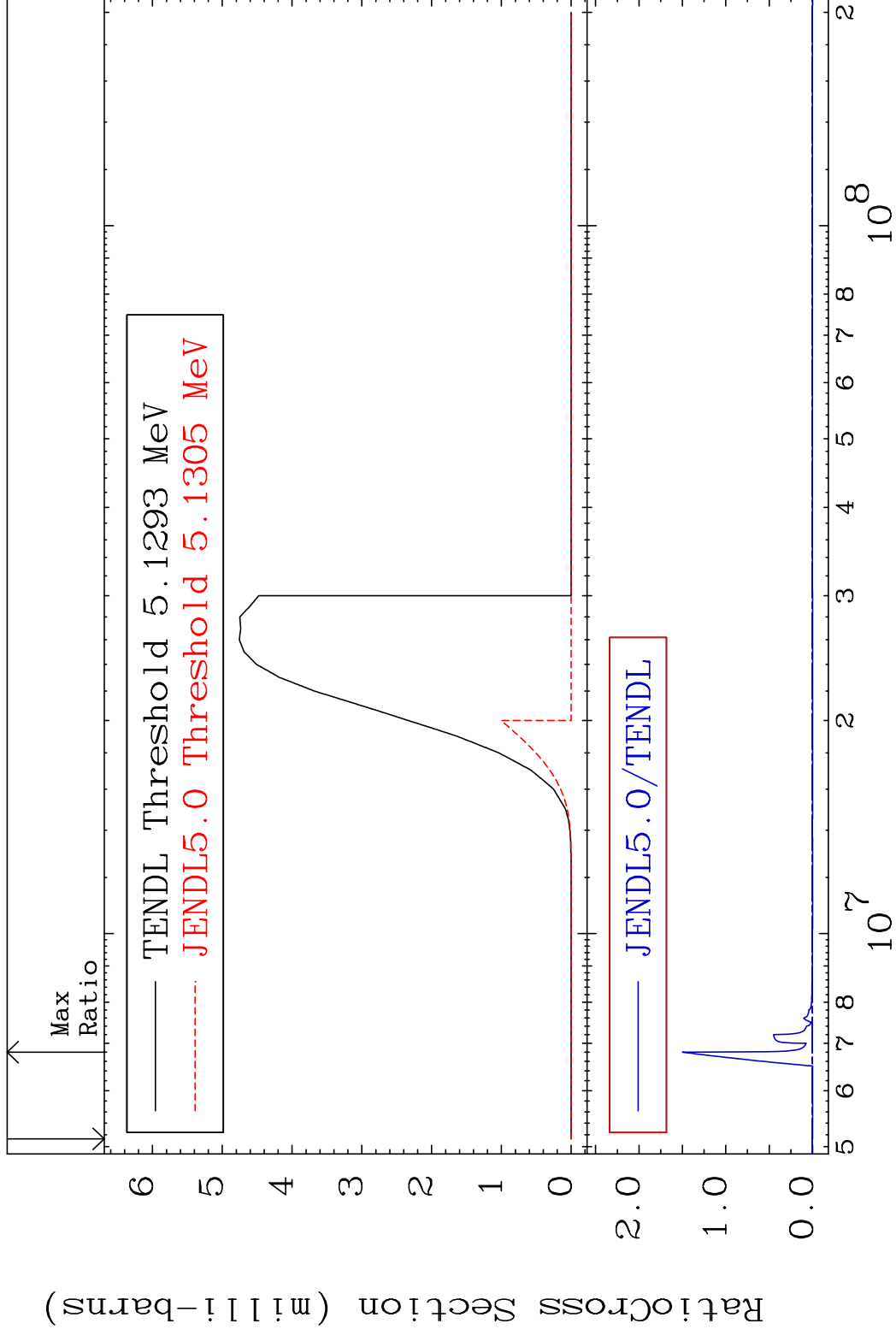
55-Cs-136

MAT 5534

(n, t)

55-Cs-136

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

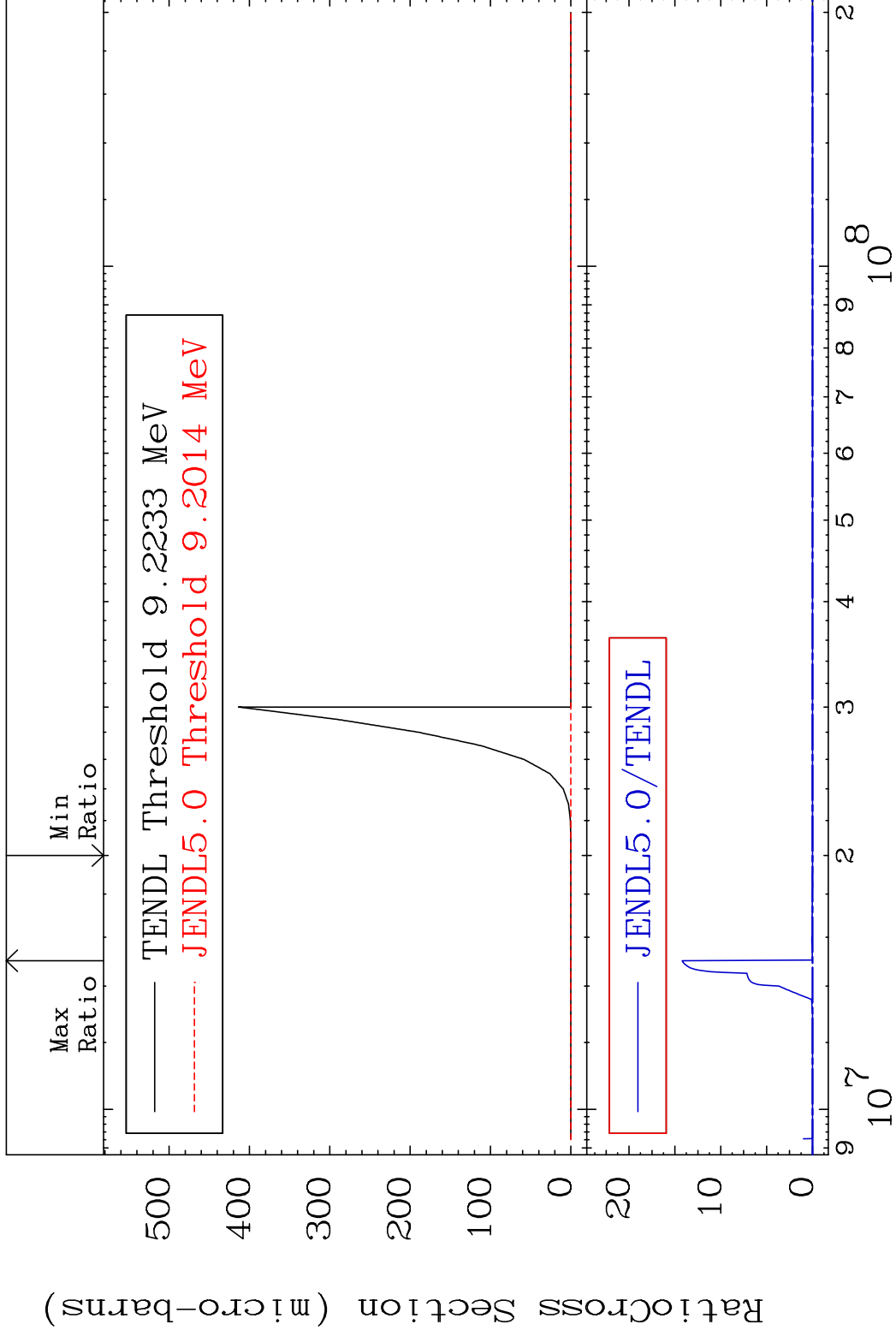
55-Cs-136

MAT 5534

(n, He-3)

55-Cs-136

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

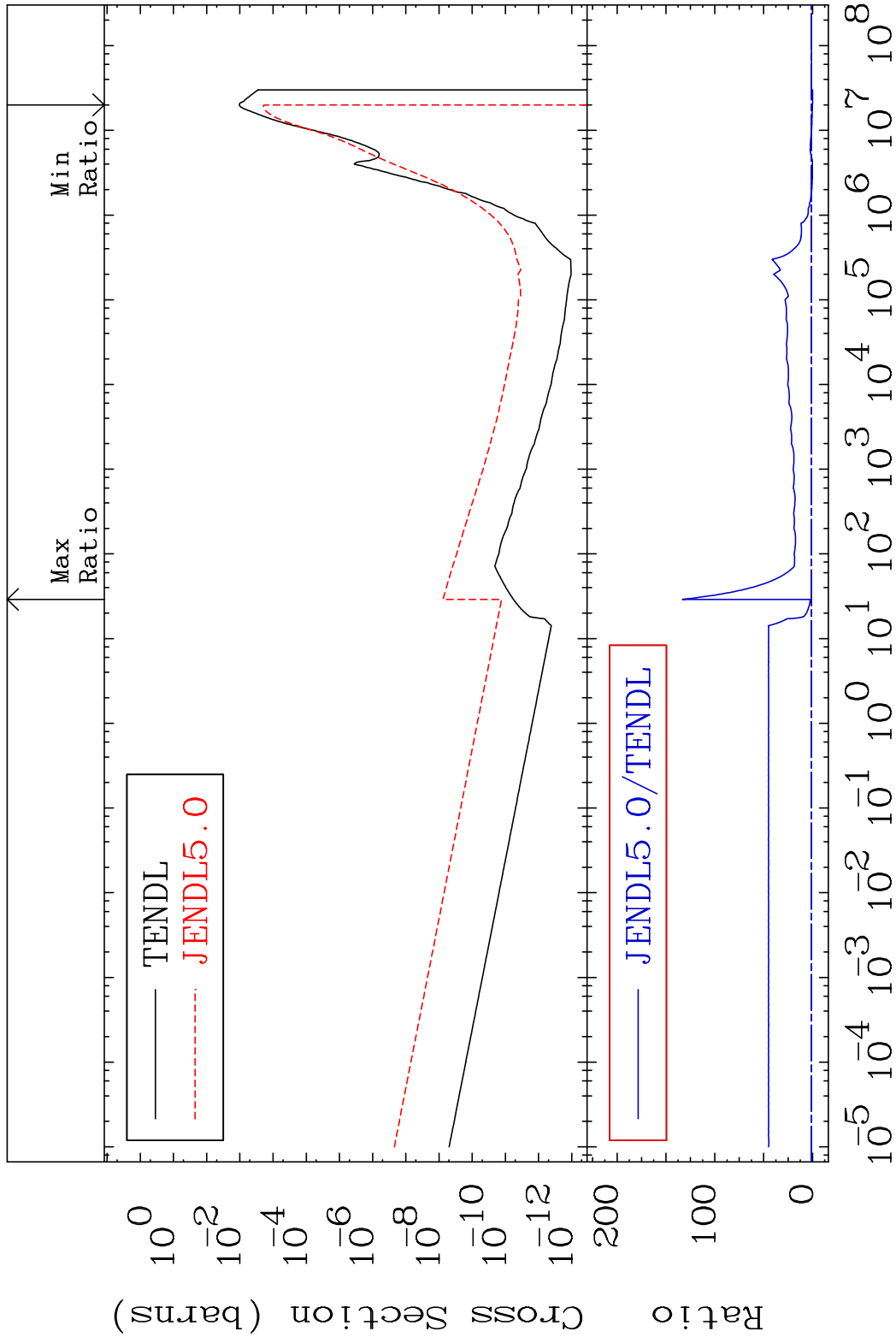
55-Cs-136

MAT 5534

(n, α)

55-Cs-136

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

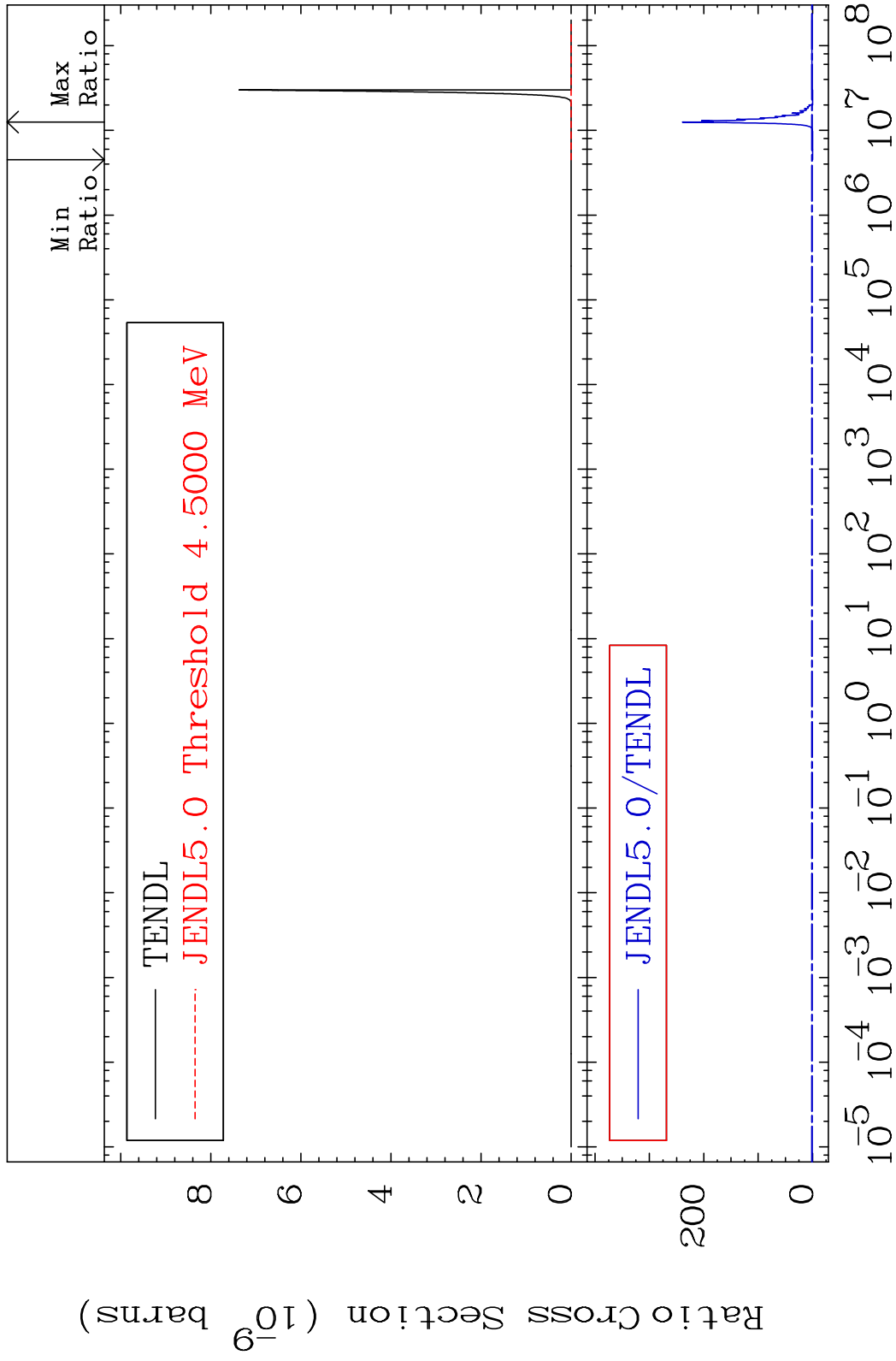
55-Cs-136

MAT 5534

(n, 2α)

55-Cs-136

Cross Section -100.0 To 9999. %

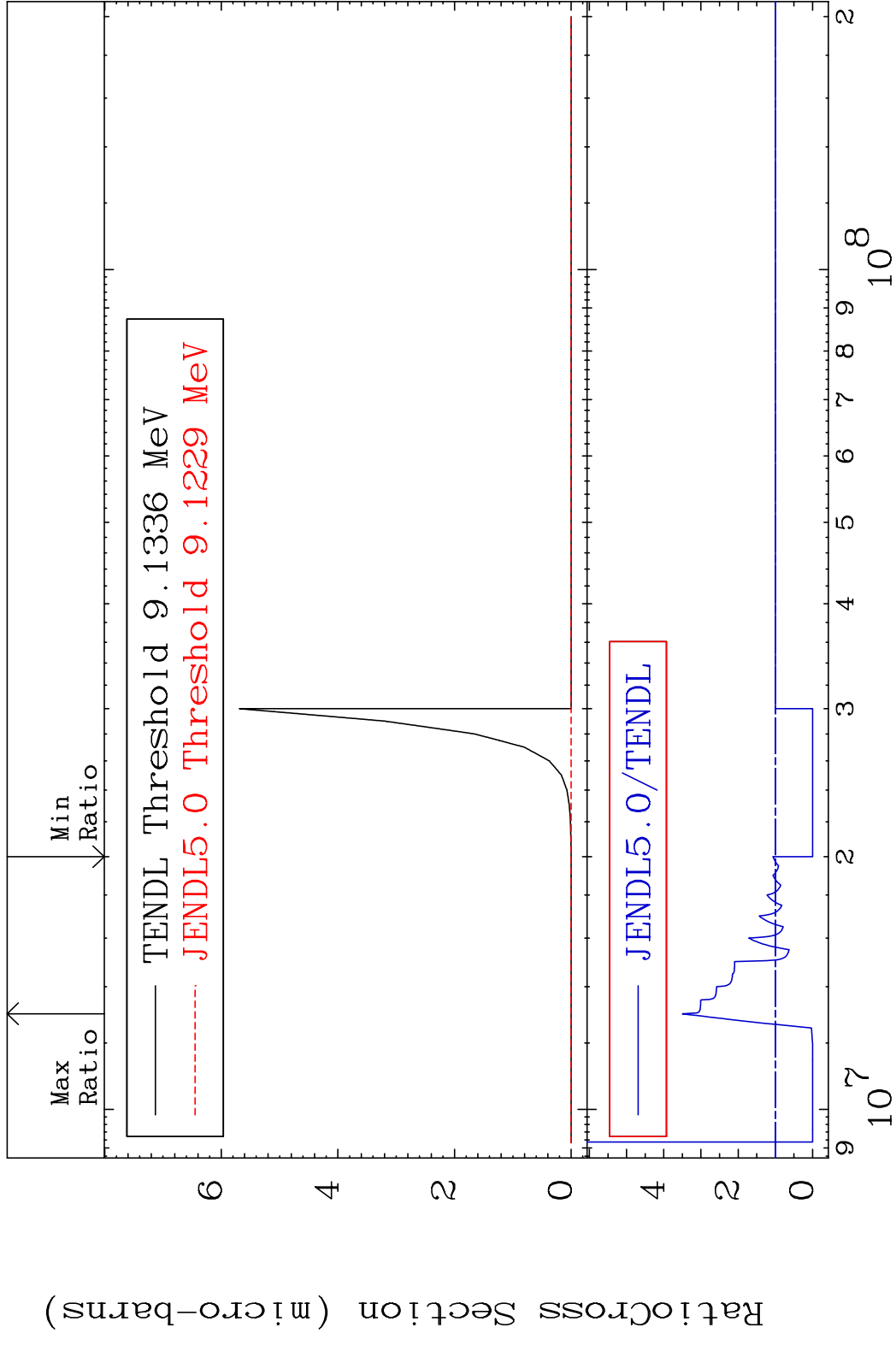


23

Incident Energy (eV)

55-Cs-136

MAT 5534 (n,2p) 55-Cs-136
 Cross Section -100.0 To 250.0 %



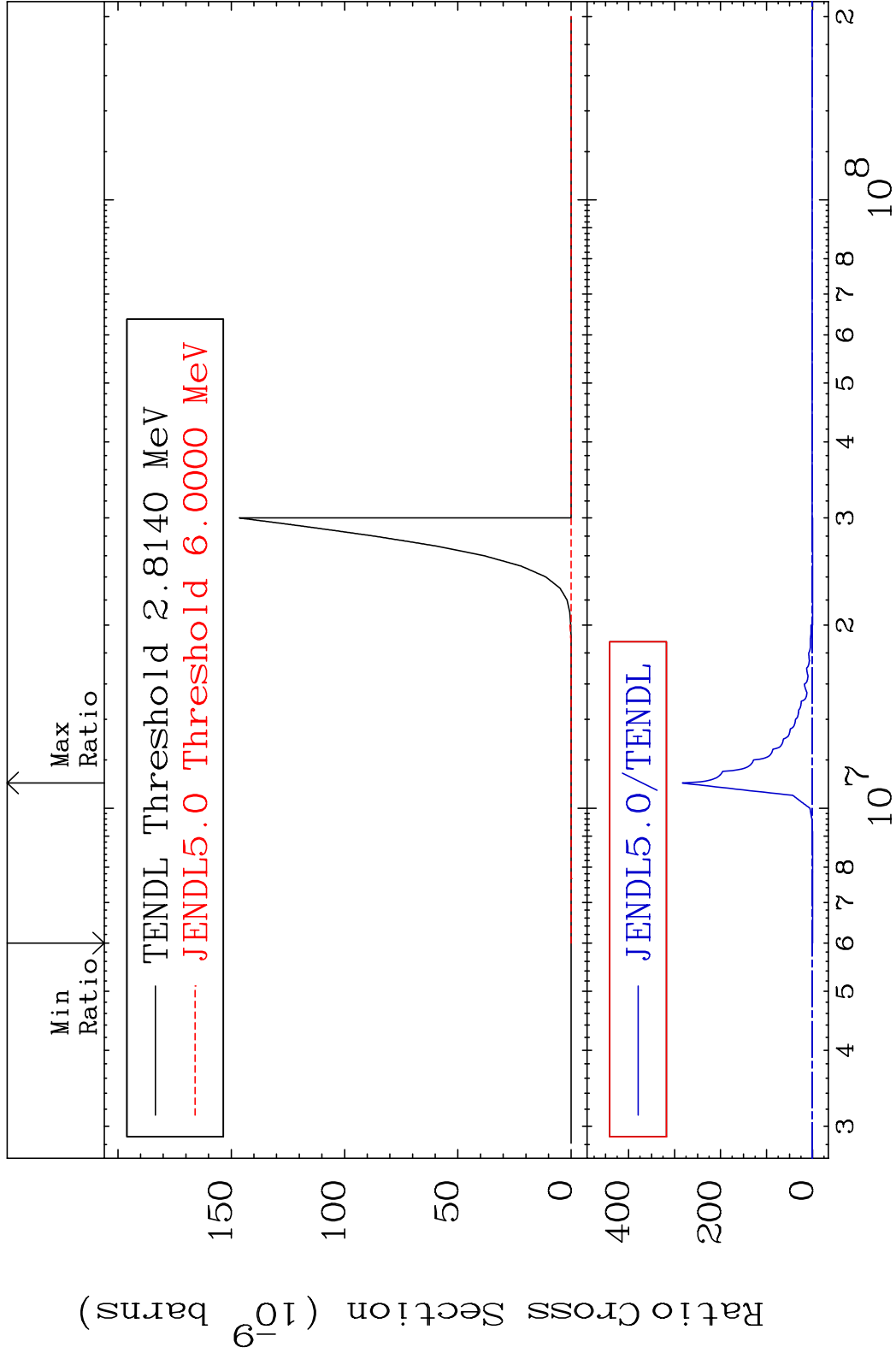
24 55-Cs-136

MAT 5534

(n,p) α

55-Cs-136

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

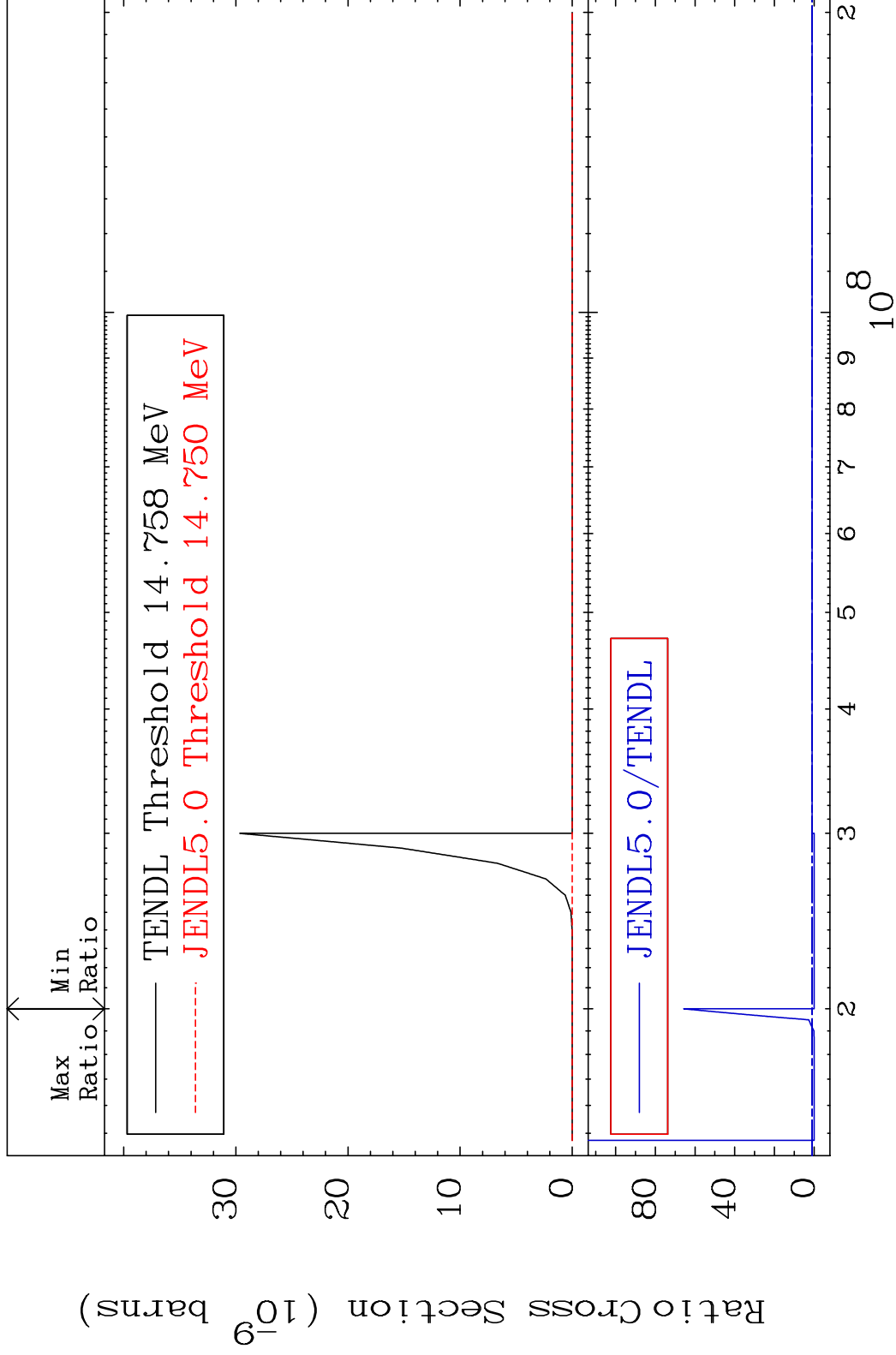
55-Cs-136

MAT 5534

(n,p) d

55-Cs-136

Cross Section -100.0 To 6472. %

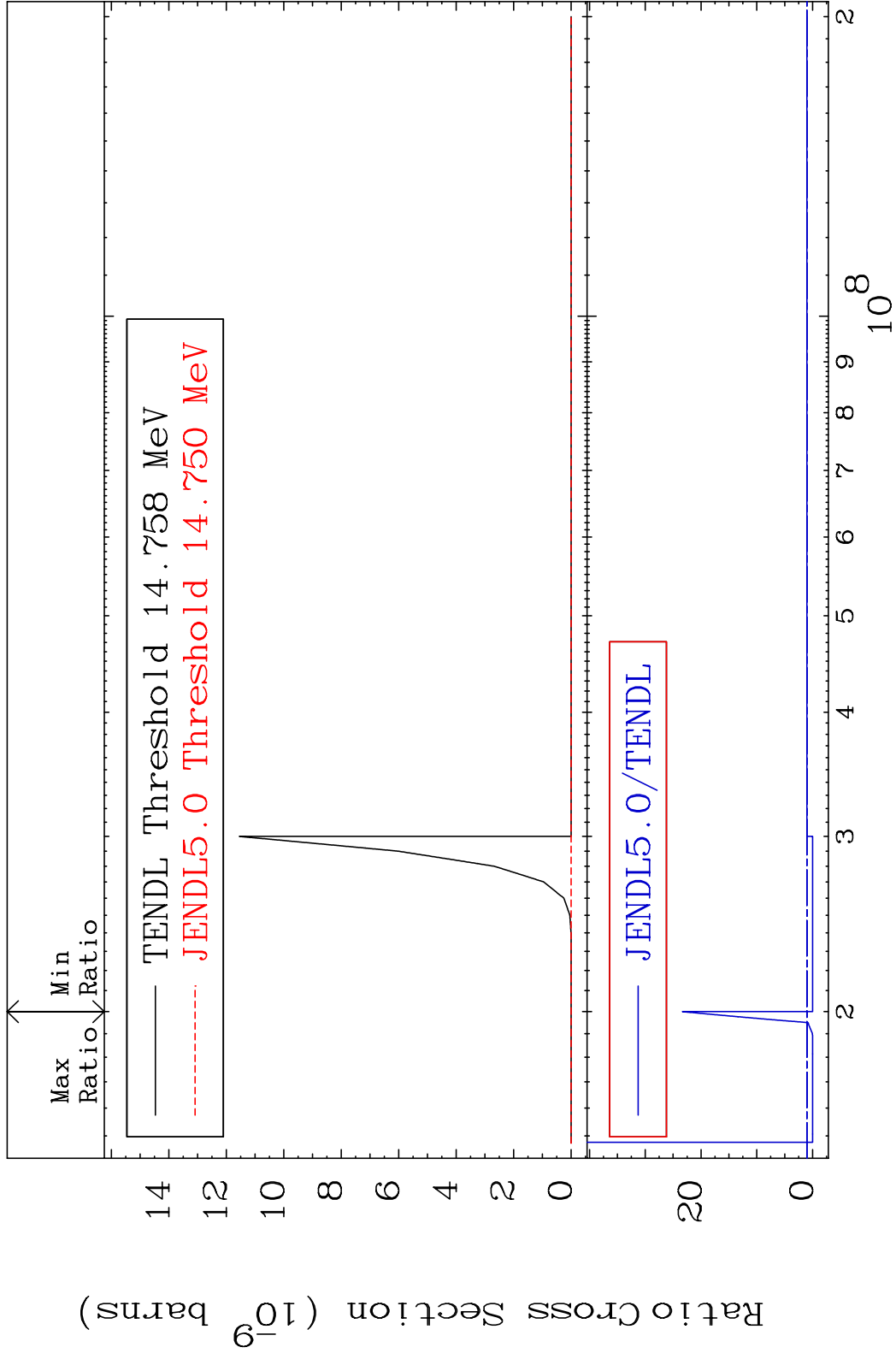


26

Incident Energy (eV)

55-Cs-136

MAT 5534 (n,p) t 55-Cs-136
 Cross Section -100.0 To 2235. %

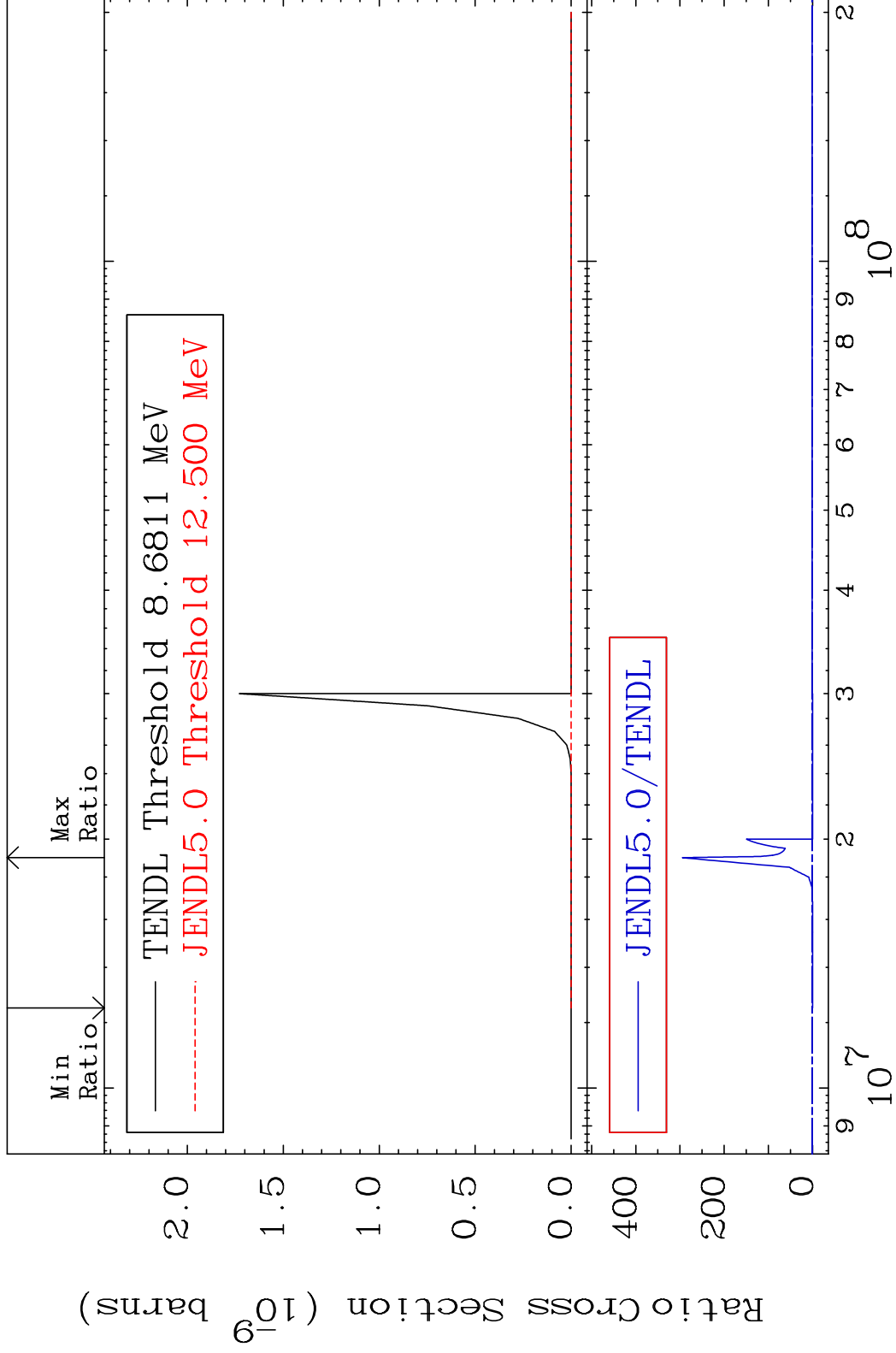


MAT 5534

(n,d) α

55-Cs-136

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

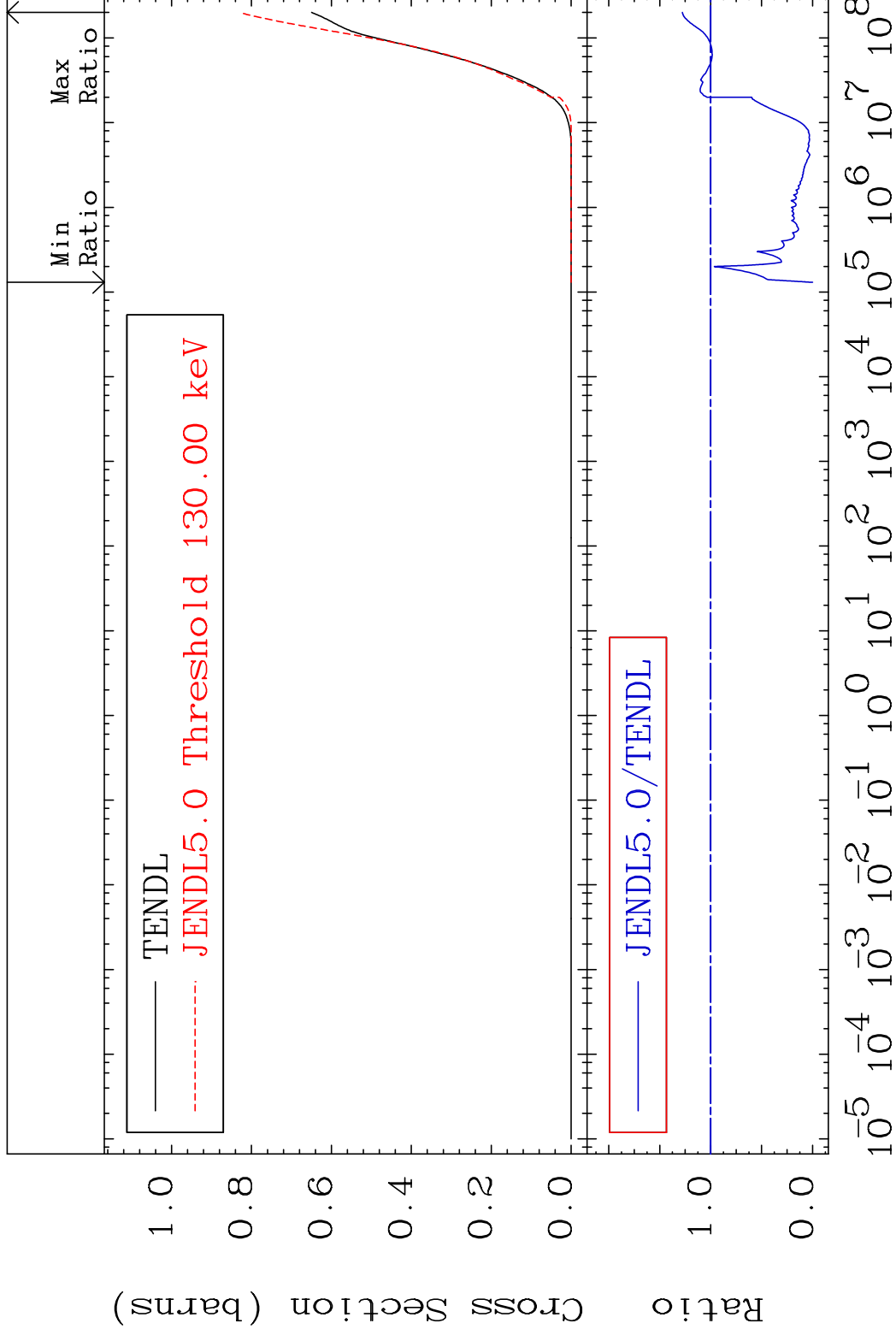
55-Cs-136

MAT 5534

Hydrogen Production

55-Cs-136

Cross Section -100.0 To 27.79 %



29

Incident Energy (eV)

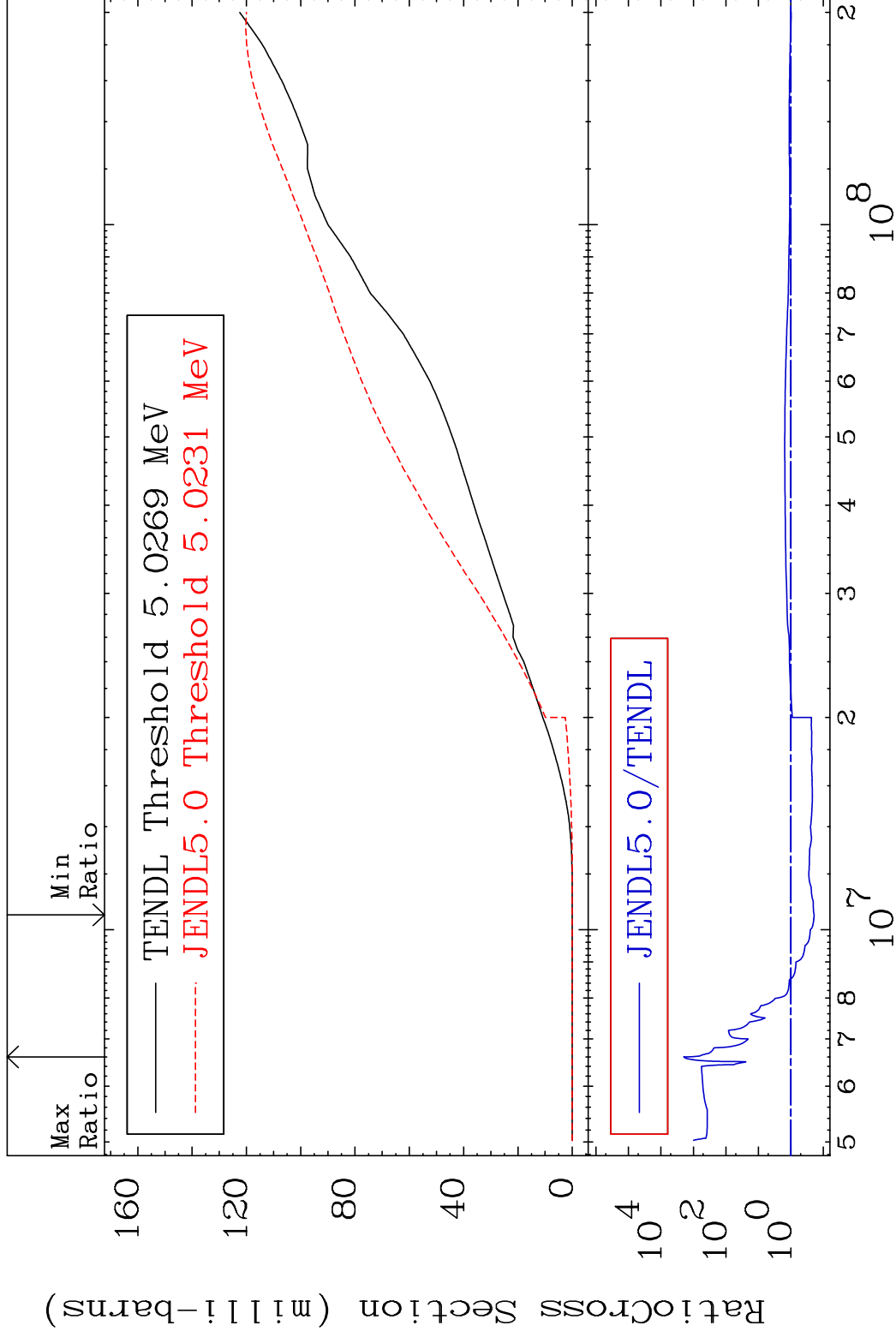
55-Cs-136

MAT 5534

Deuterium Production

55-Cs-136

Cross Section -80.69 To 9999. %

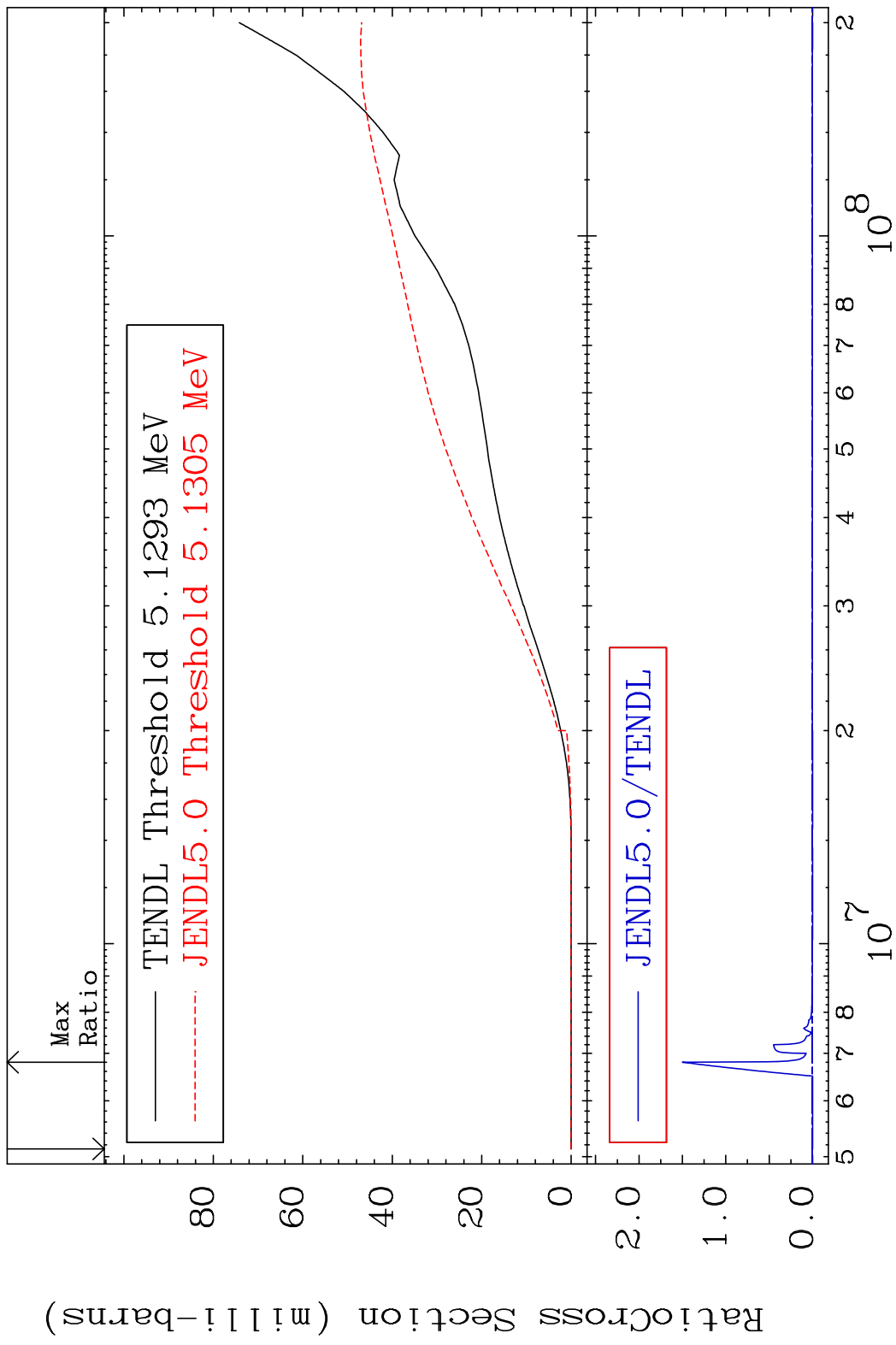


30

Incident Energy (eV)

55-Cs-136

MAT 5534 Tritium Production 55-Cs-136
 Cross Section -100.0 To 9999. %

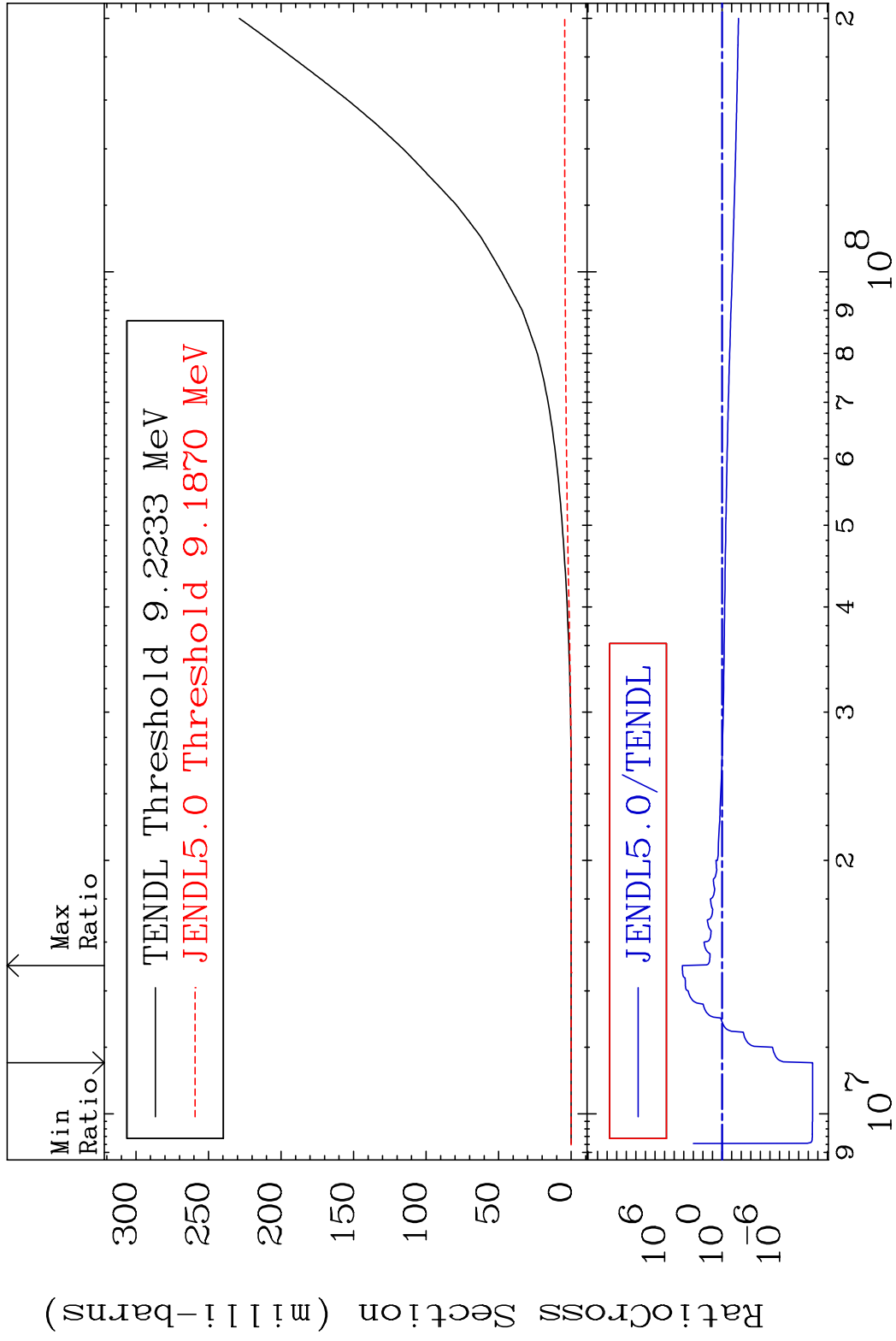


MAT 5534

He-3 Production

55-Cs-136

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

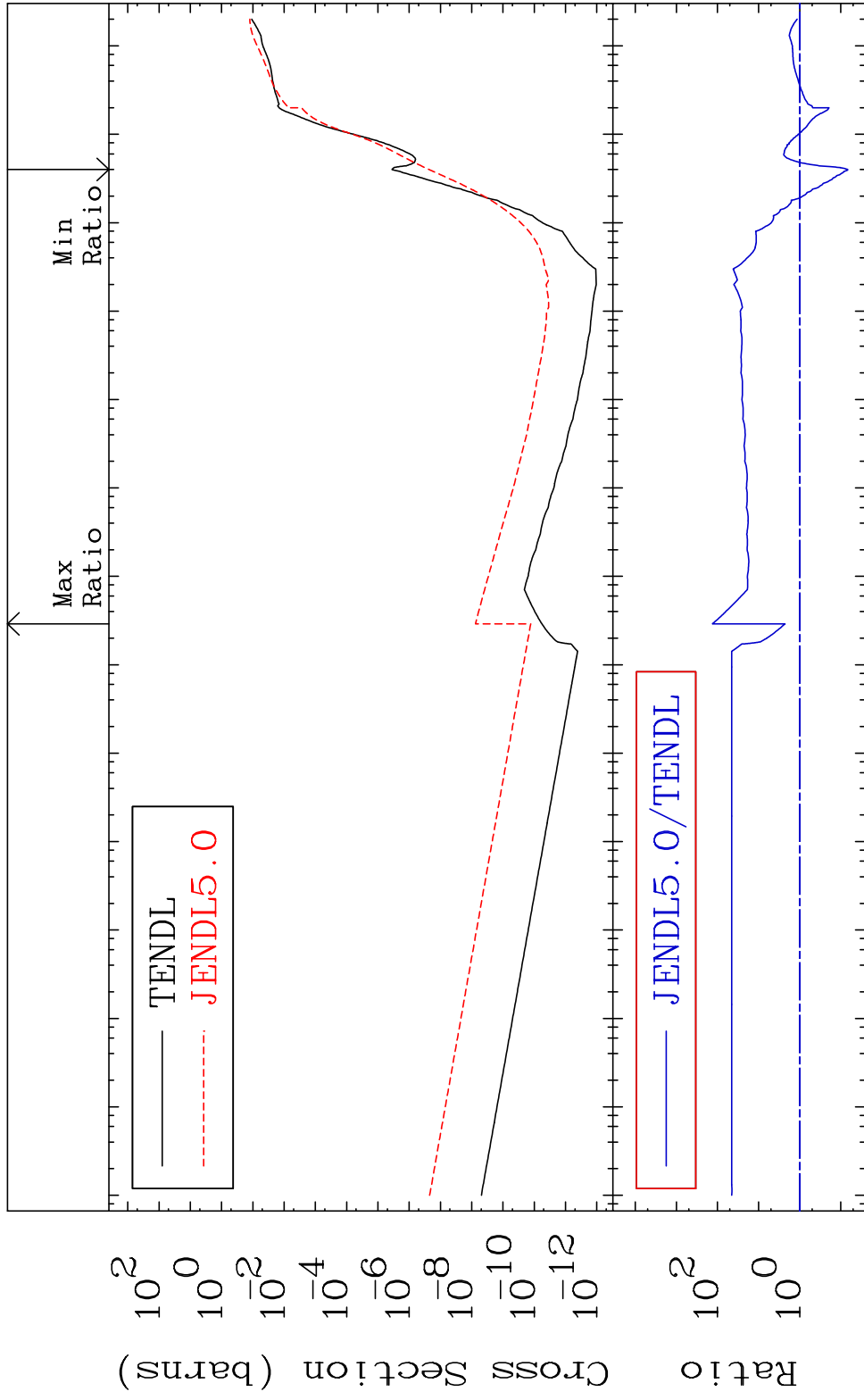
55-Cs-136

MAT 5534

He-4 Production

55-Cs-136

Cross Section -93.43 To 9999. %

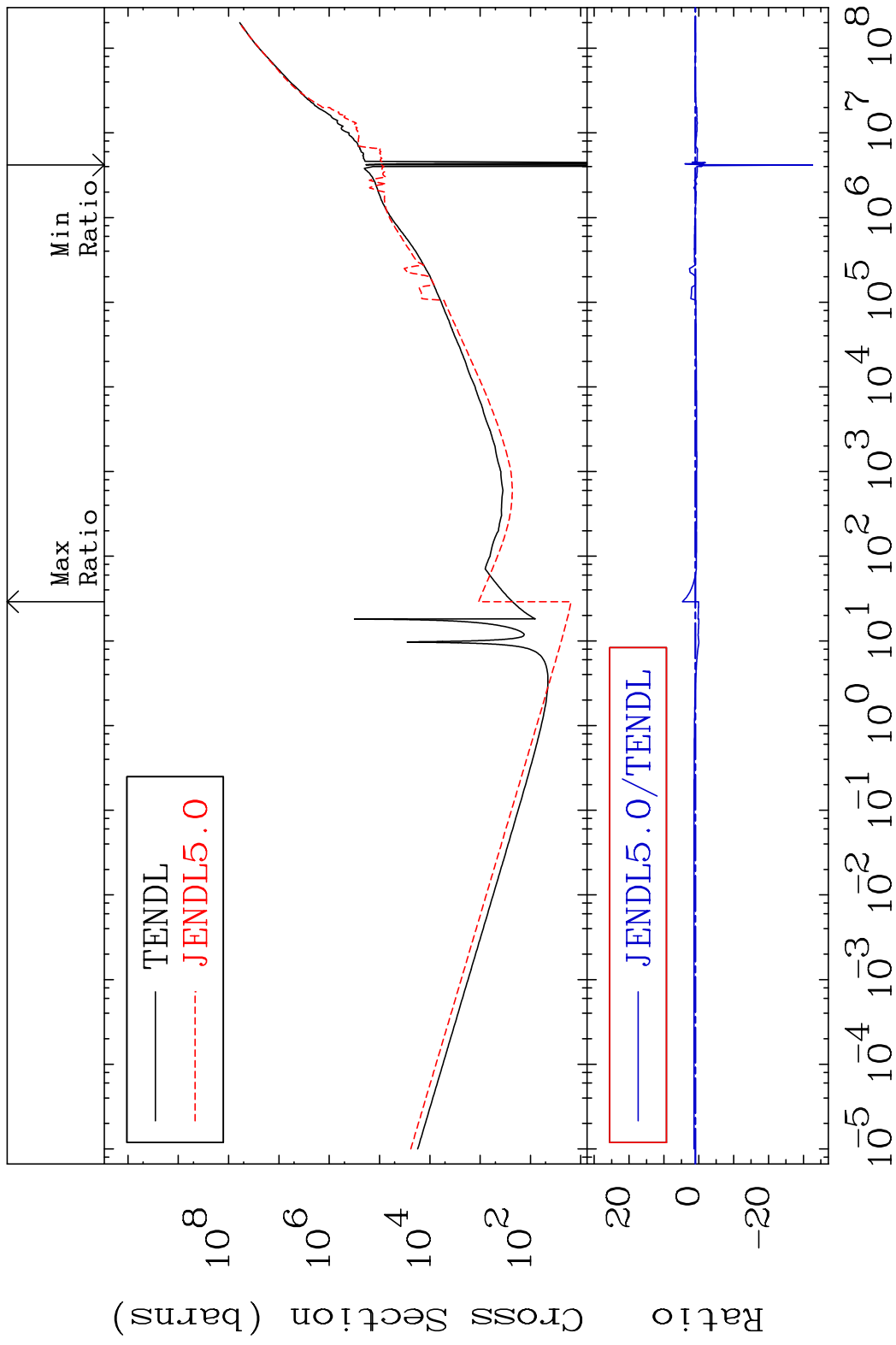


33

Incident Energy (eV)

55-Cs-136

MAT 5534 Kerma total (eV-barns) 55-Cs-136
 Cross Section -3361. To 371.8 %

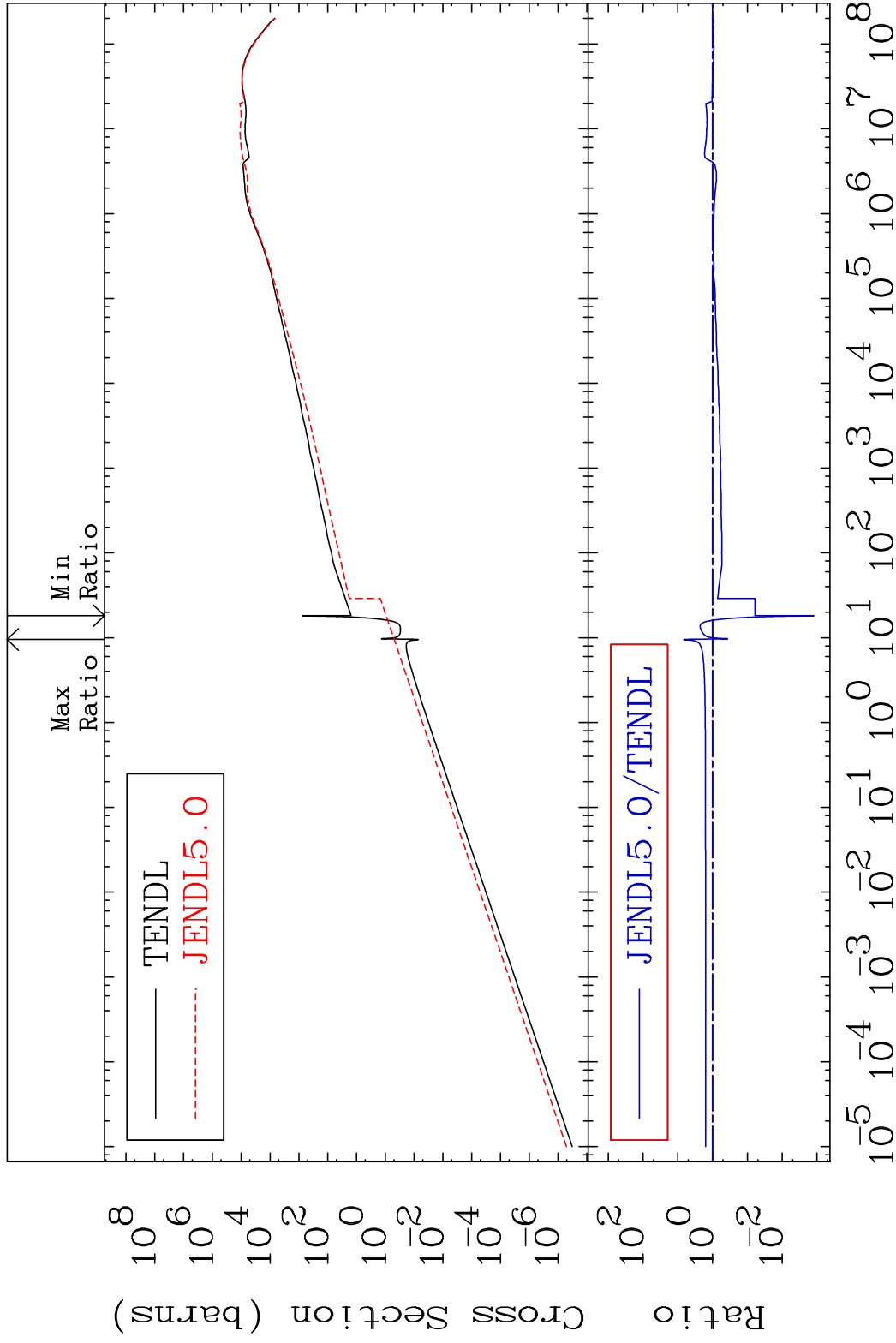


MAT 5534

55-Cs-136

Kerma elastic

Cross Section -99.88 To 578.4 %

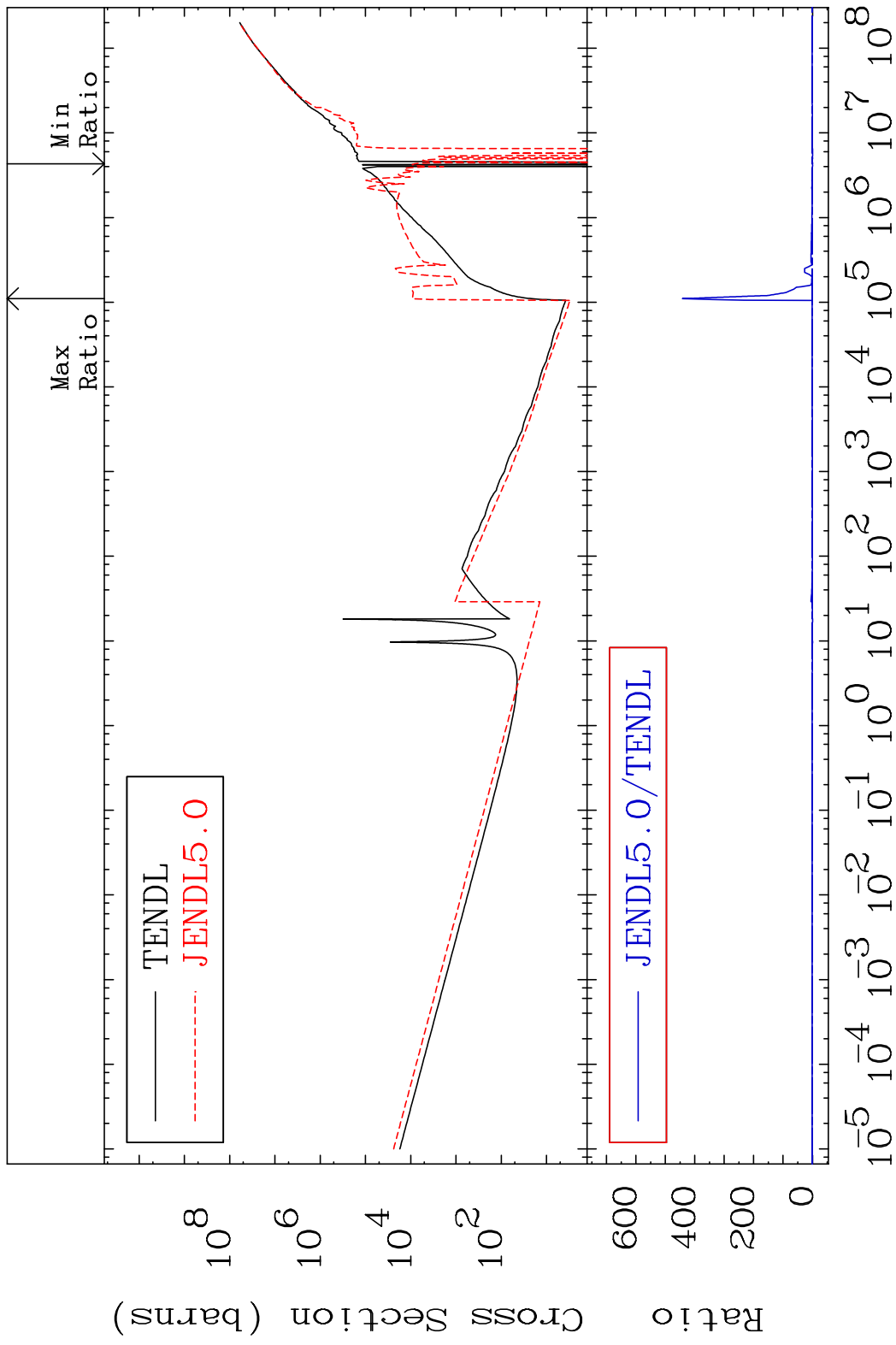


35

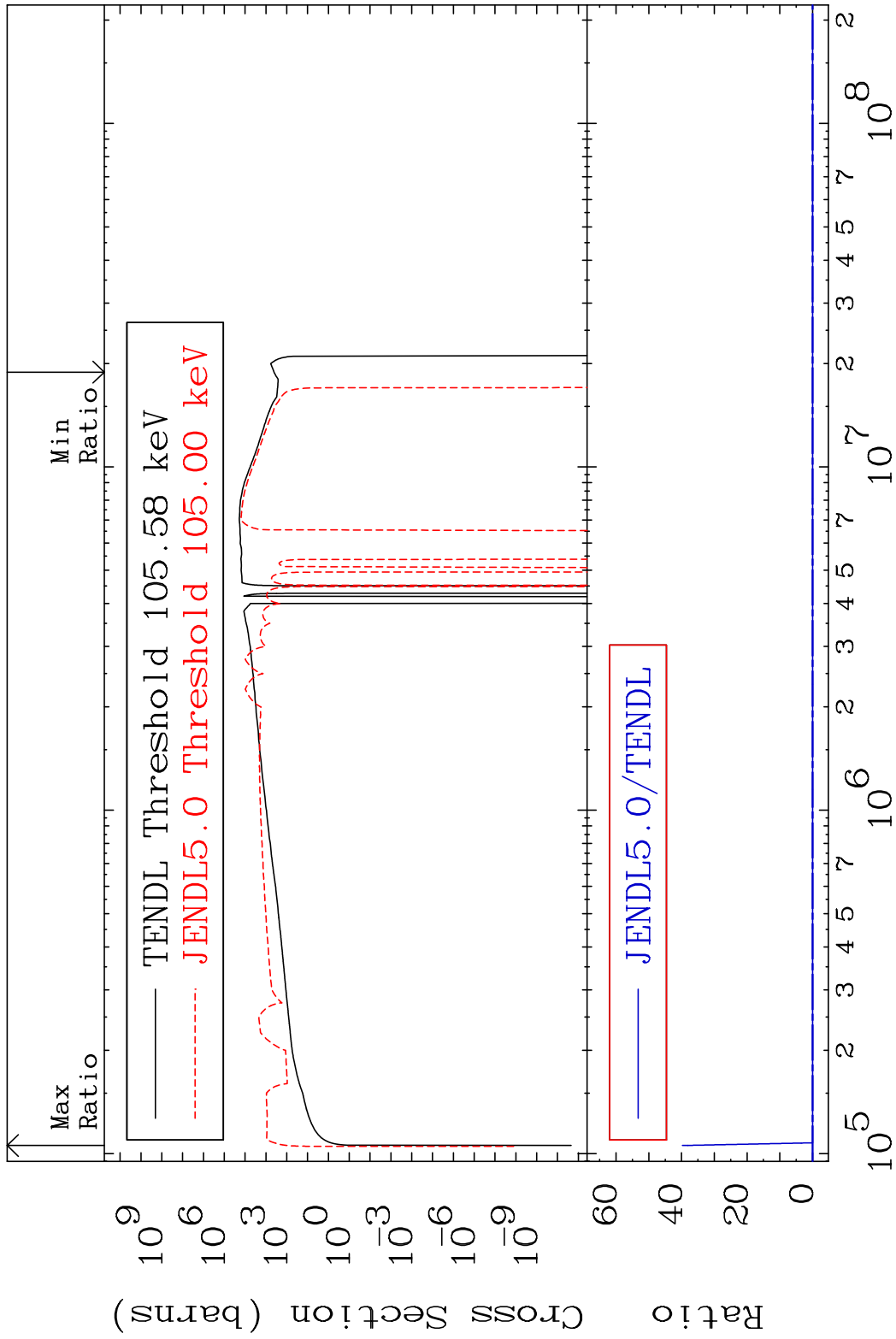
Incident Energy (eV)

55-Cs-136

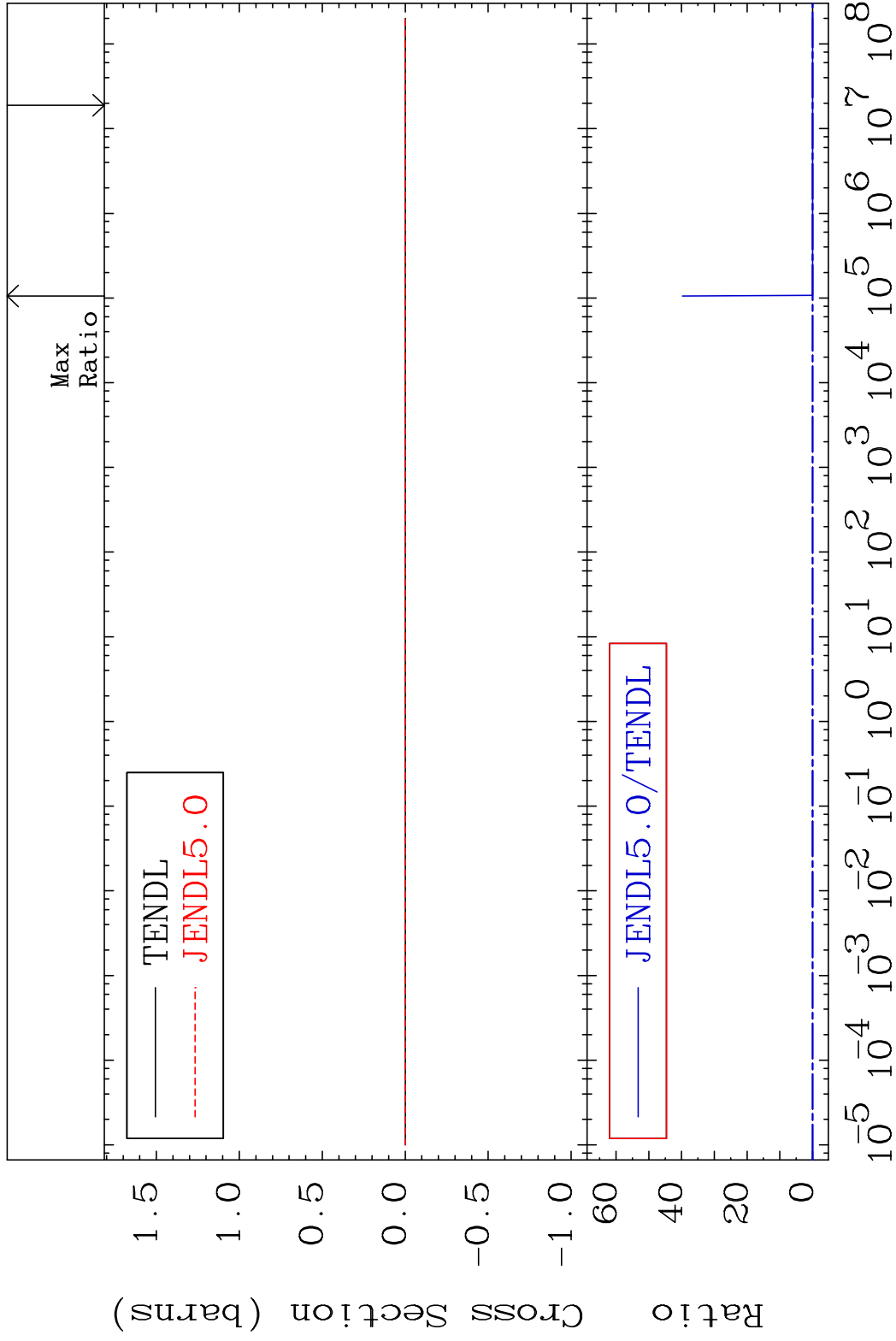
MAT 5534 Kerma non-elastic (all but mt2) 55-Cs-136
 Cross Section -120.4 To 9999. %



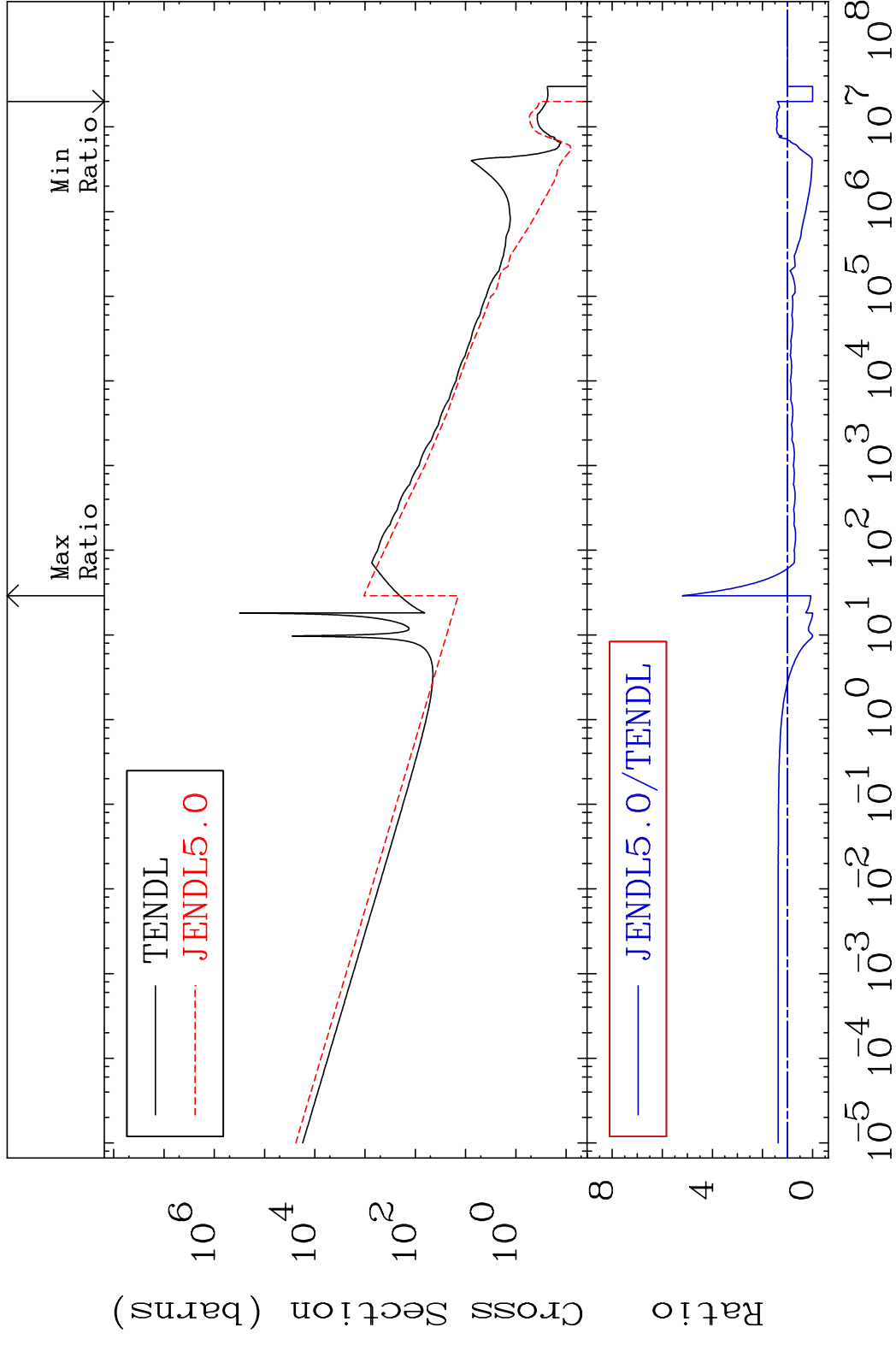
MAT 5534 Kerma inelastic (mt51-91) 55-Cs-136
 Cross Section -137.4 To 9999. %



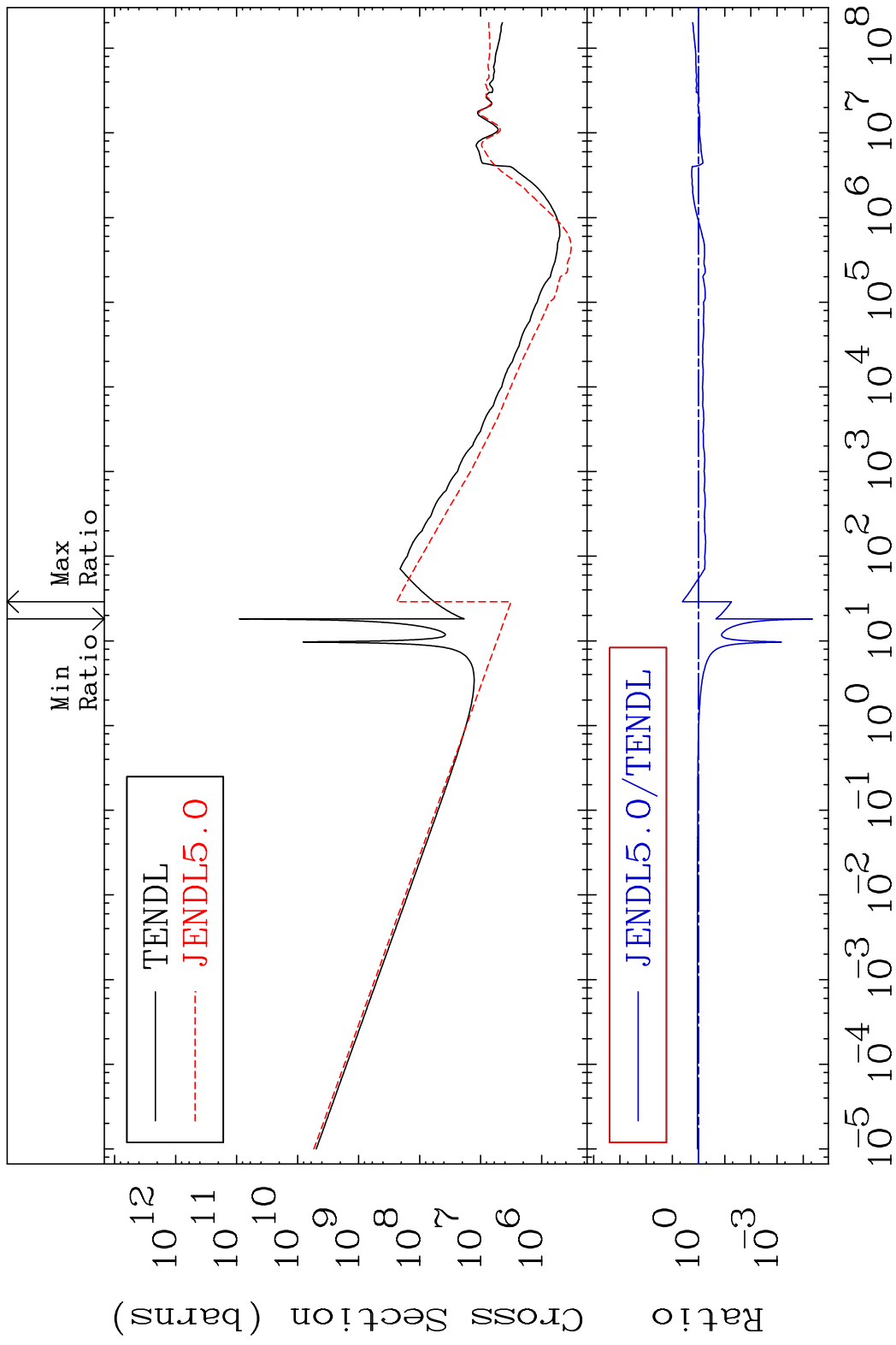
MAT 5534 Kerma fission (mt18 or mt19-20-21-38)55-Cs-136
 Cross Section -137.4 To 9999. %



MAT 5534 Kerma capture (mt102) 55-Cs-136
 Cross Section -100.0 To 419.9 %

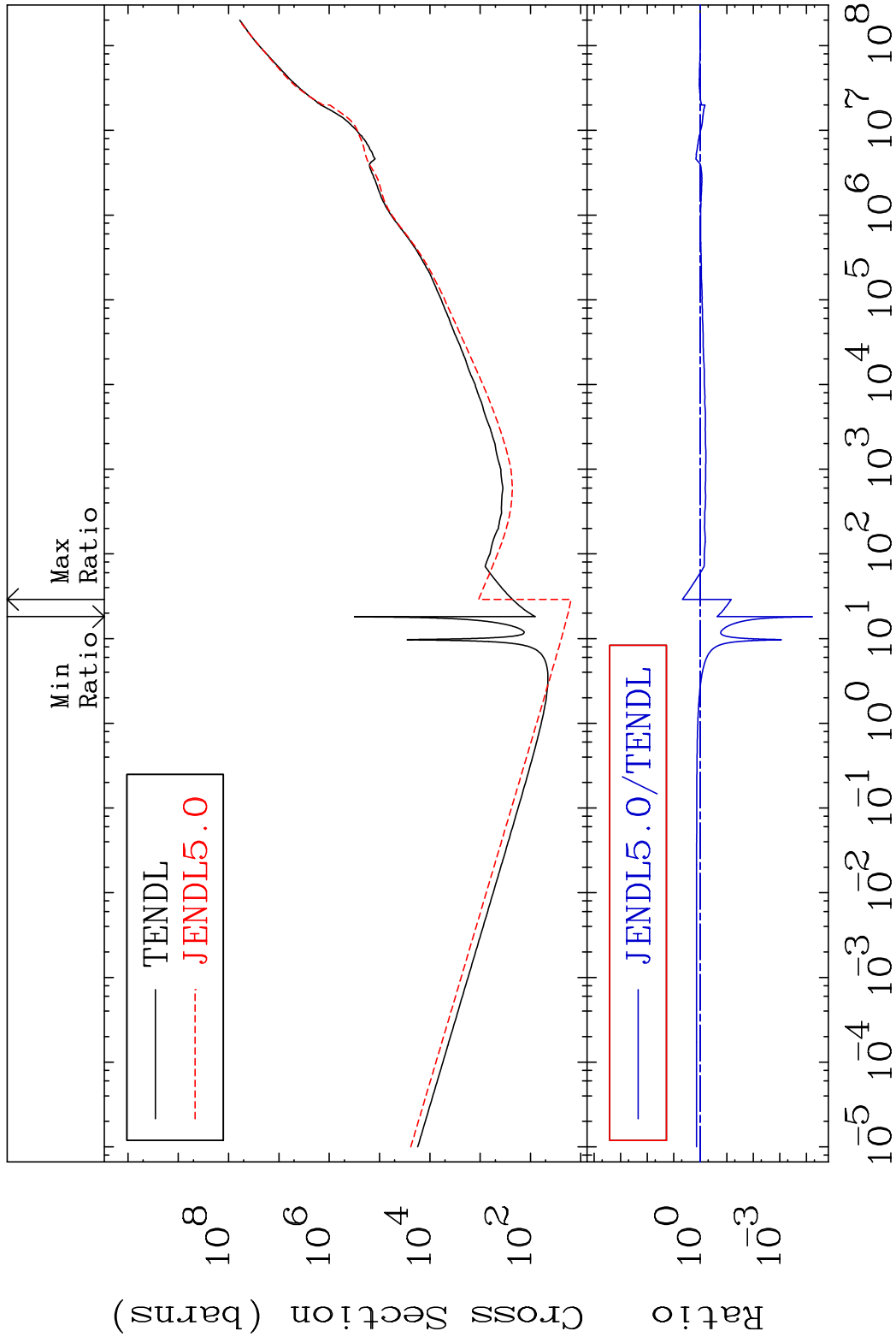


MAT 5534 Total photon (eV-barns) 55-Cs-136
 Cross Section -100.0 To 313.4 %

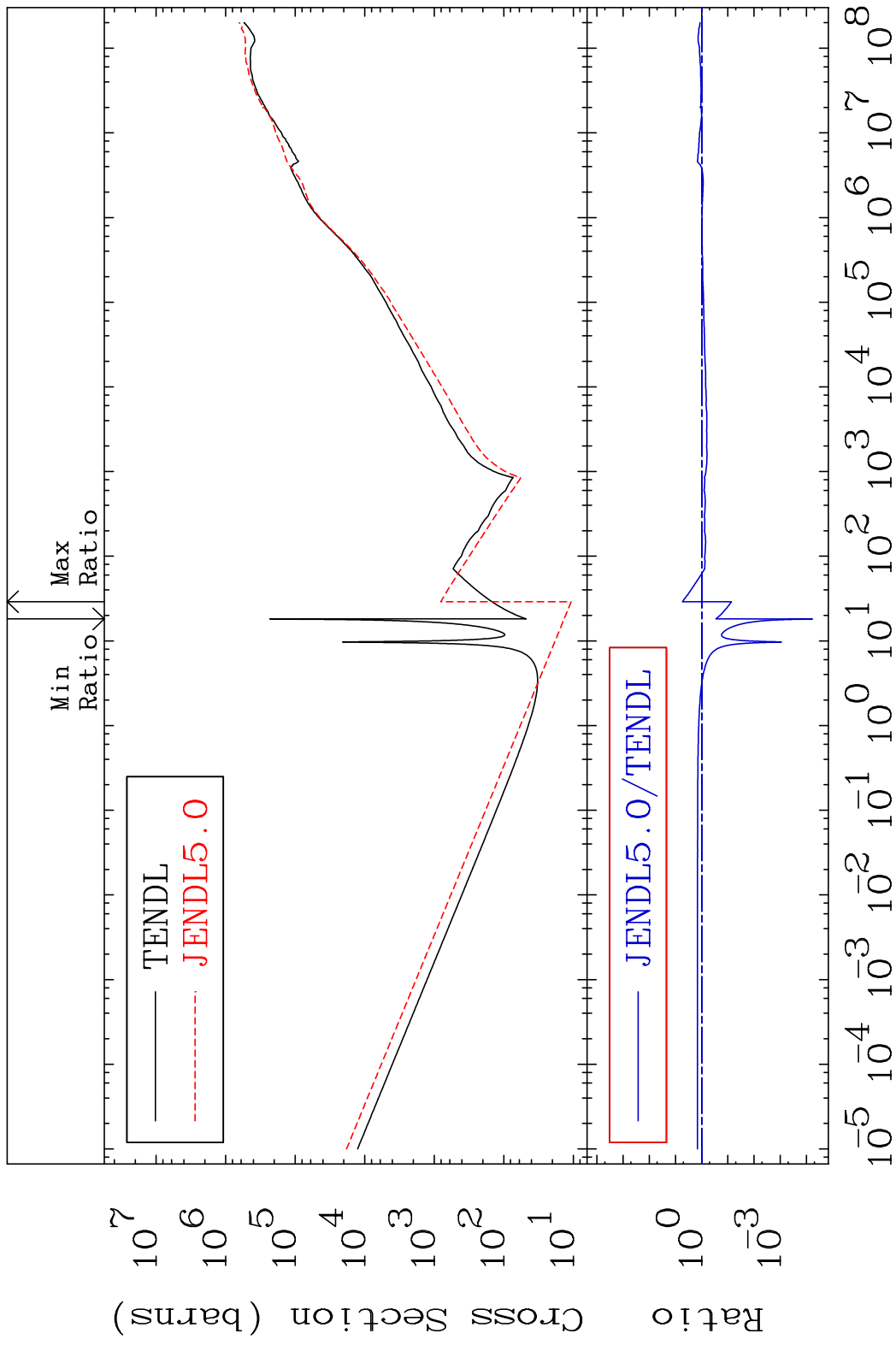


40 Incident Energy (eV) 55-Cs-136

MAT 5534 Total kinematic kerma (high limit) 55-Cs-136
 Cross Section -99.99 To 371.8 %



MAT 5534 Dpa total (eV-barns) 55-Cs-136
 Cross Section -99.99 To 446.2 %



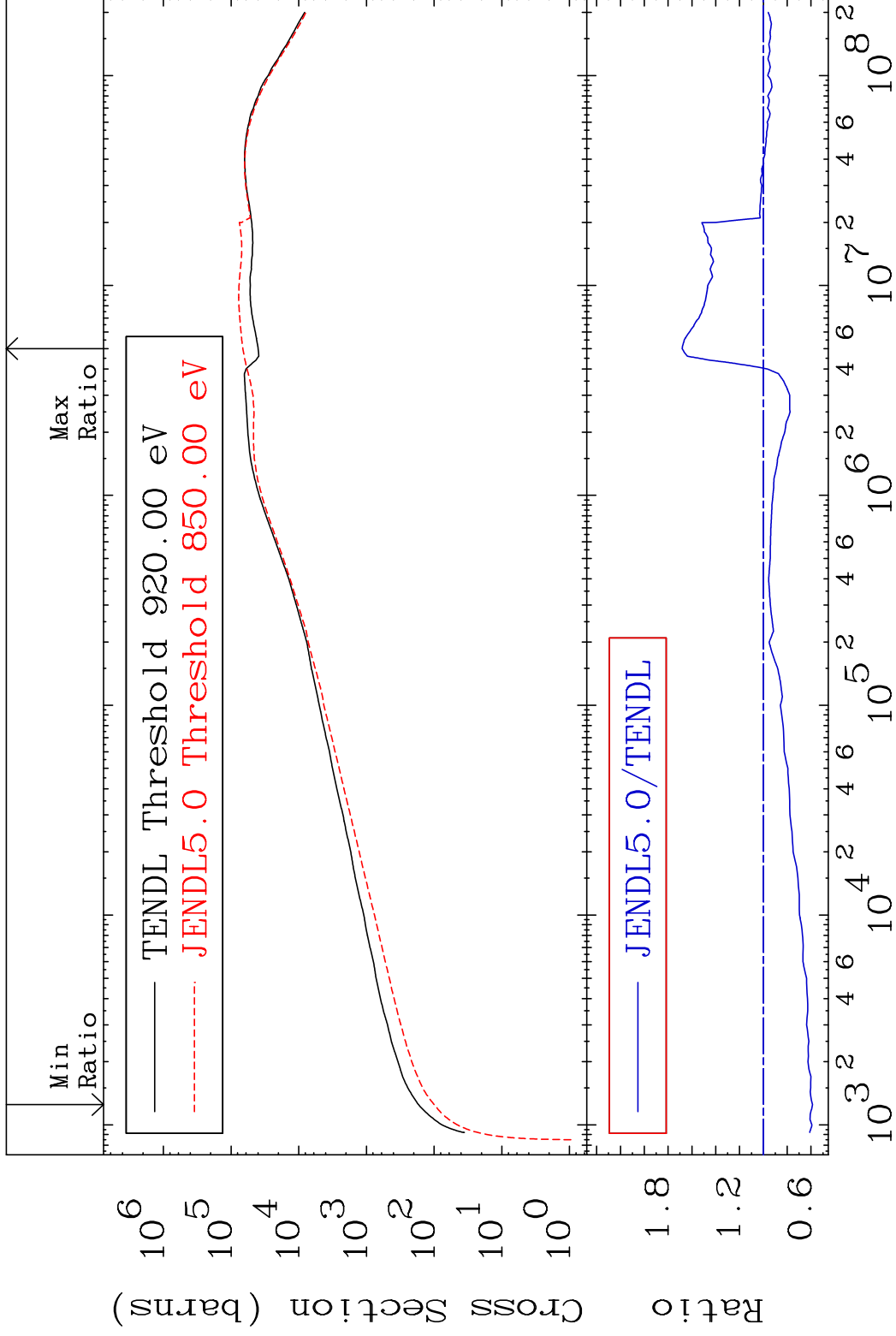
MAT 5534

Dpa elastic (mt2)

55-Cs-136

Cross Section

-41.23 To 68.20 %

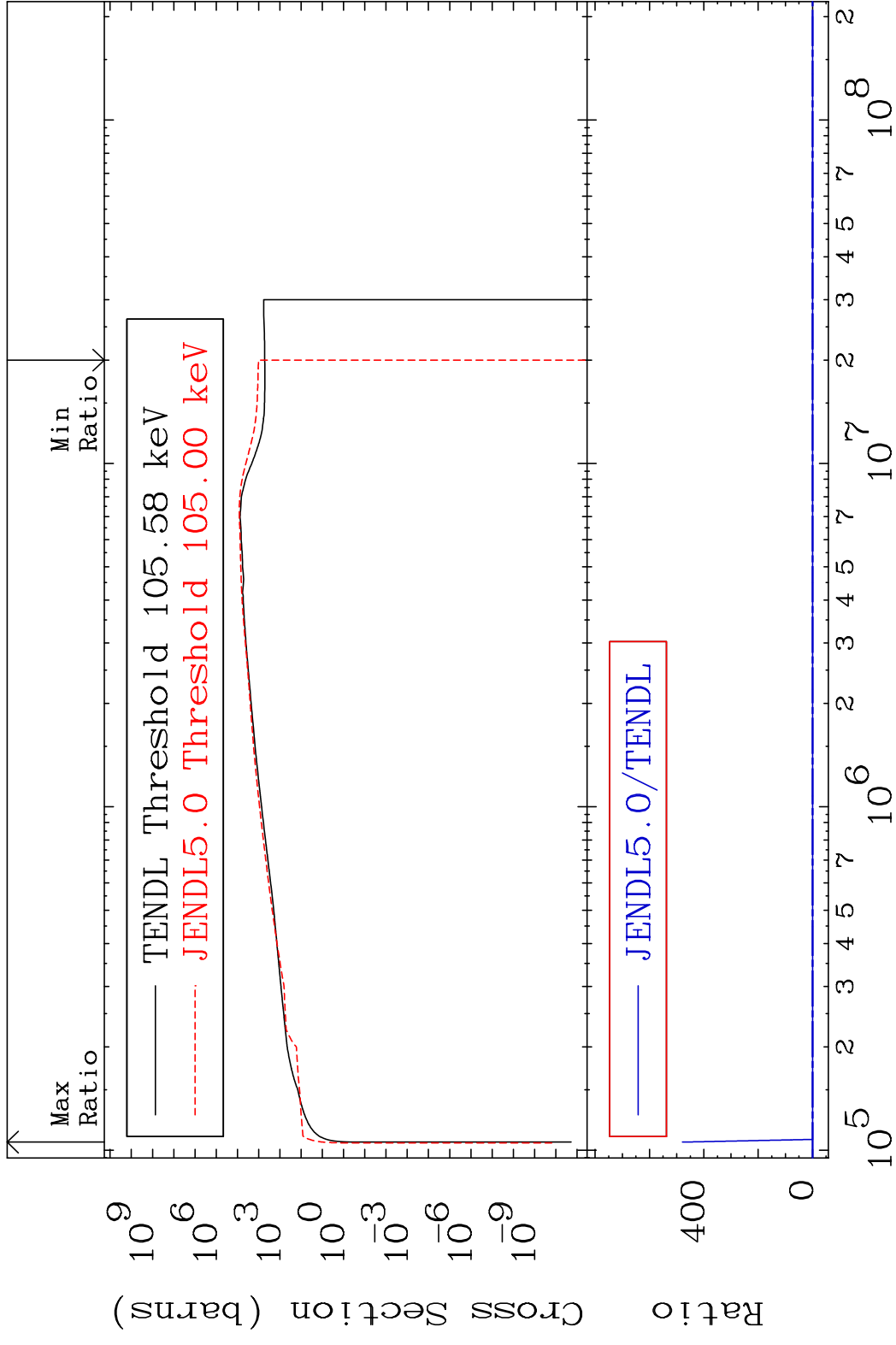


43

Incident Energy (eV)

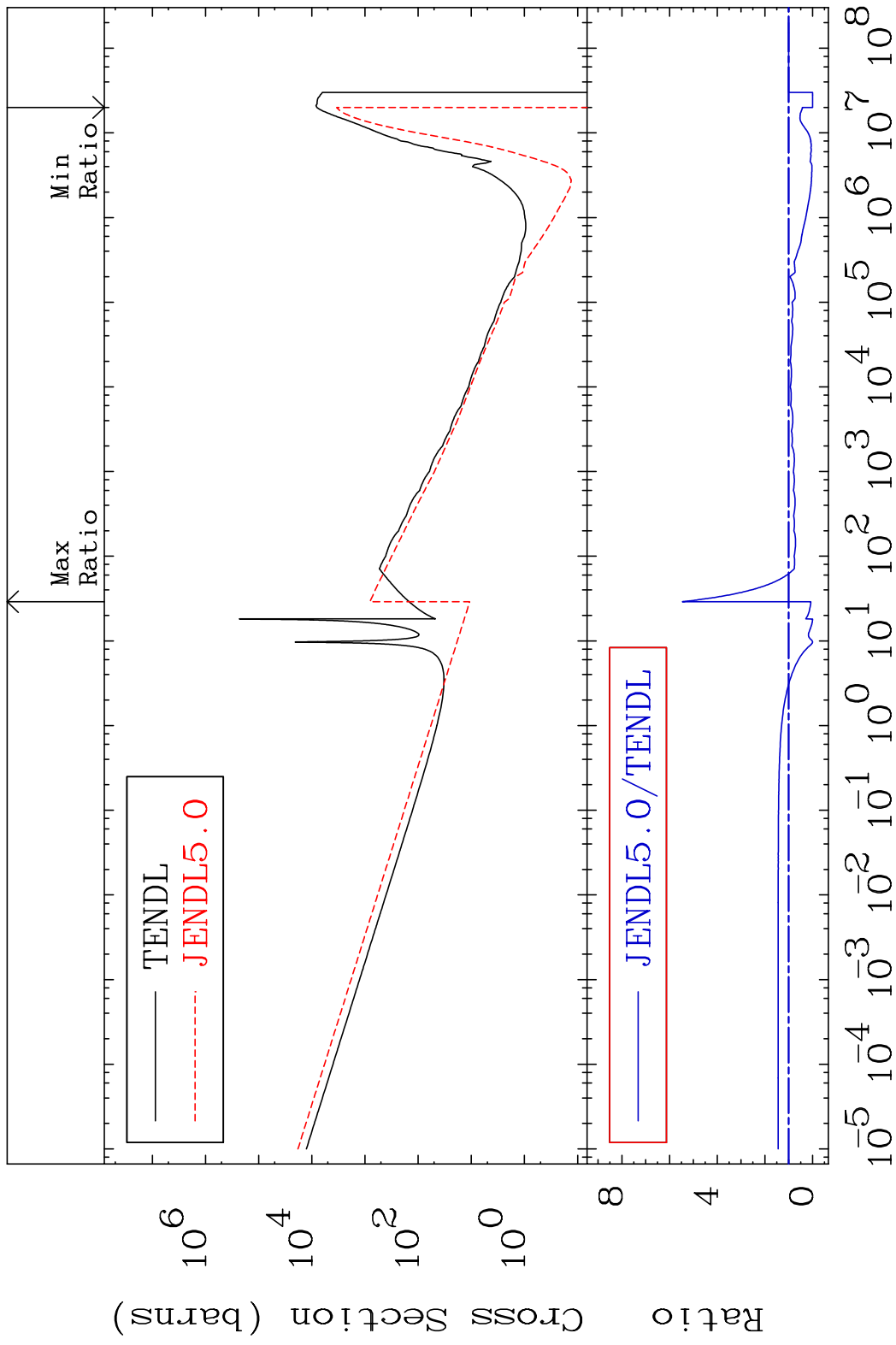
55-Cs-136

MAT 5534 Dpa inelastic (mt51-91) 55-Cs-136
 Cross Section -100.0 To 9999. %

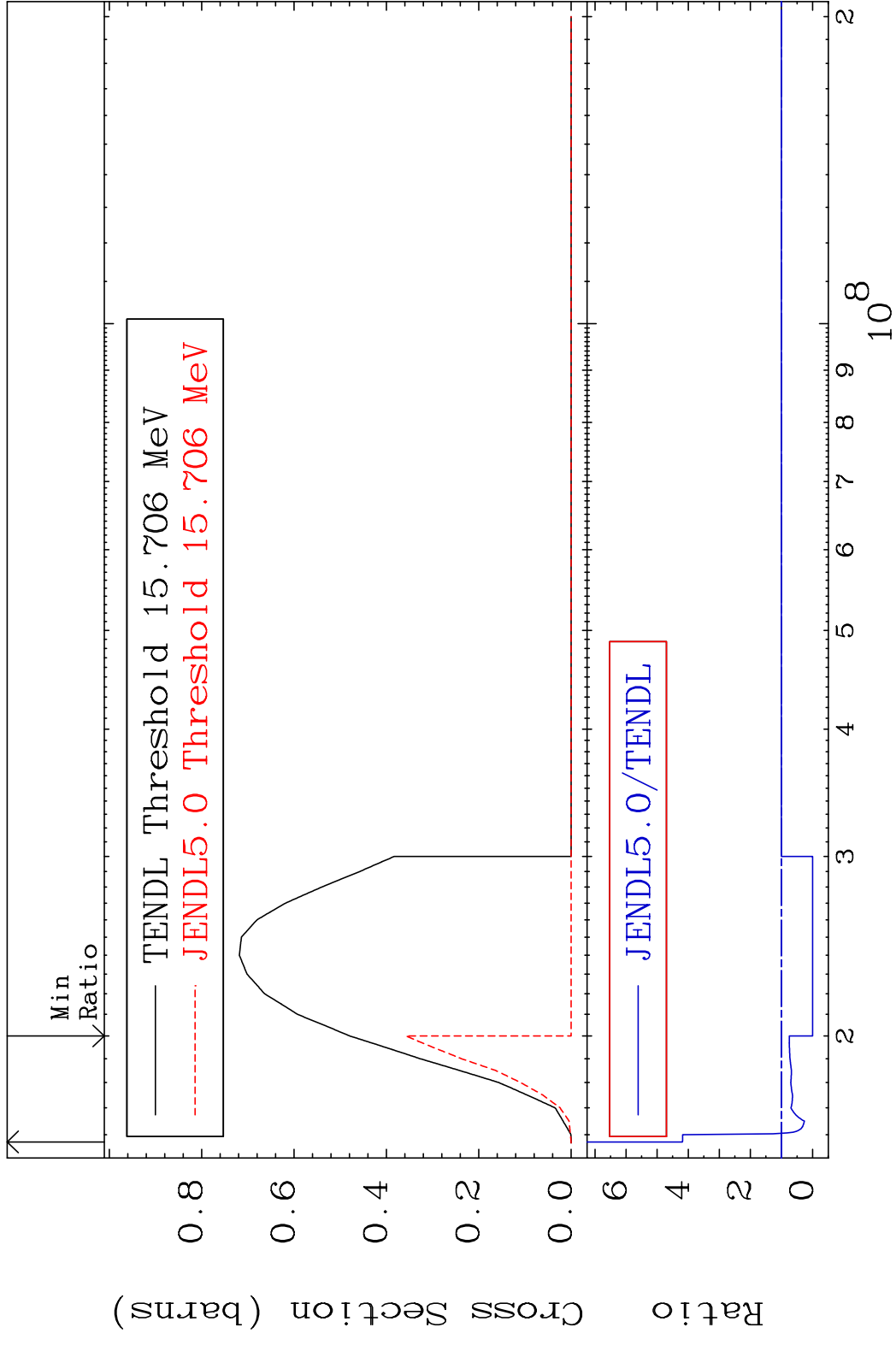


44 Incident Energy (eV) 55-Cs-136

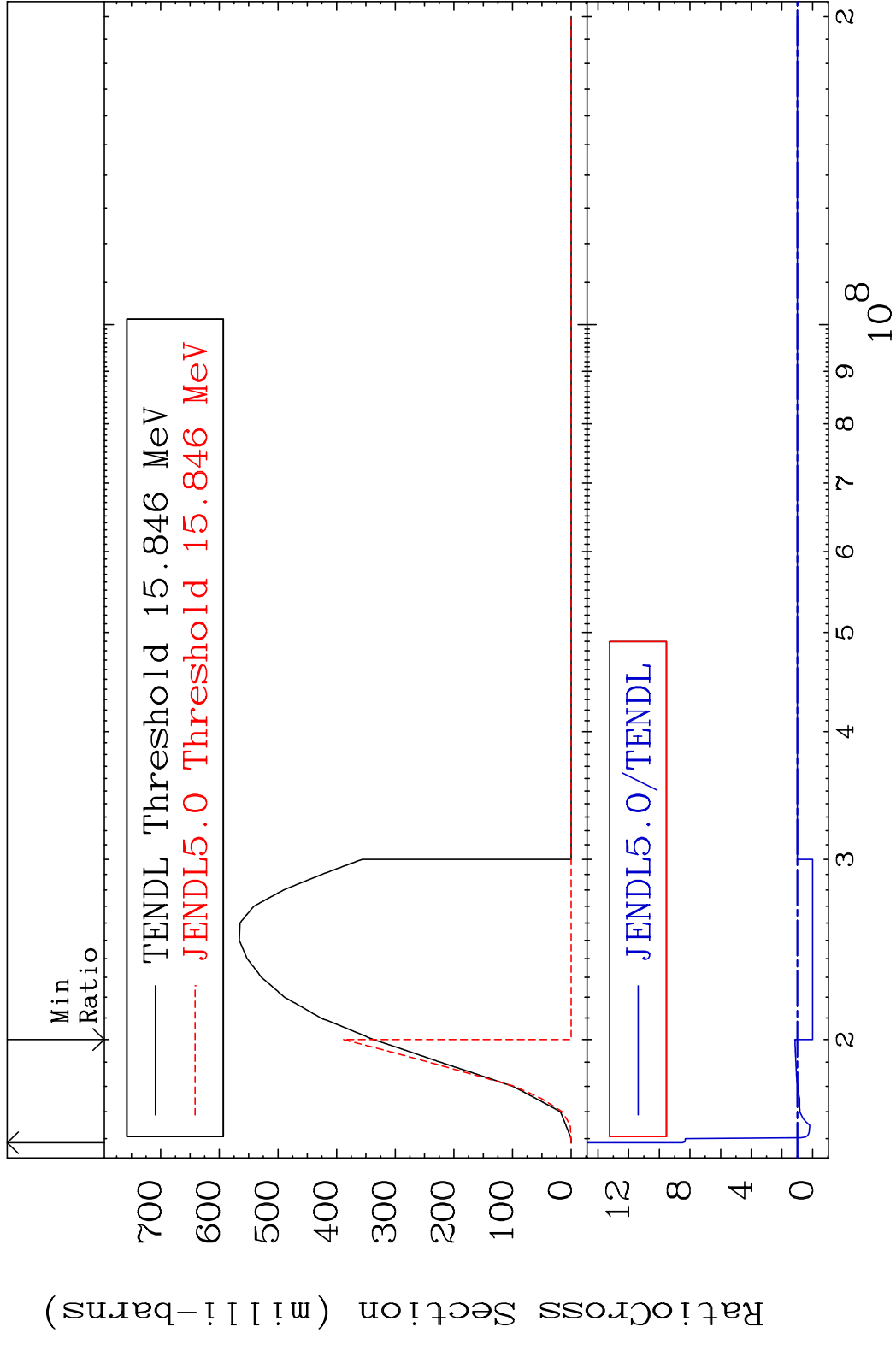
MAT 5534 Dpa disappearance (mt102 -120) 55-Cs-136
Cross Section -100.0 To 446.2 %

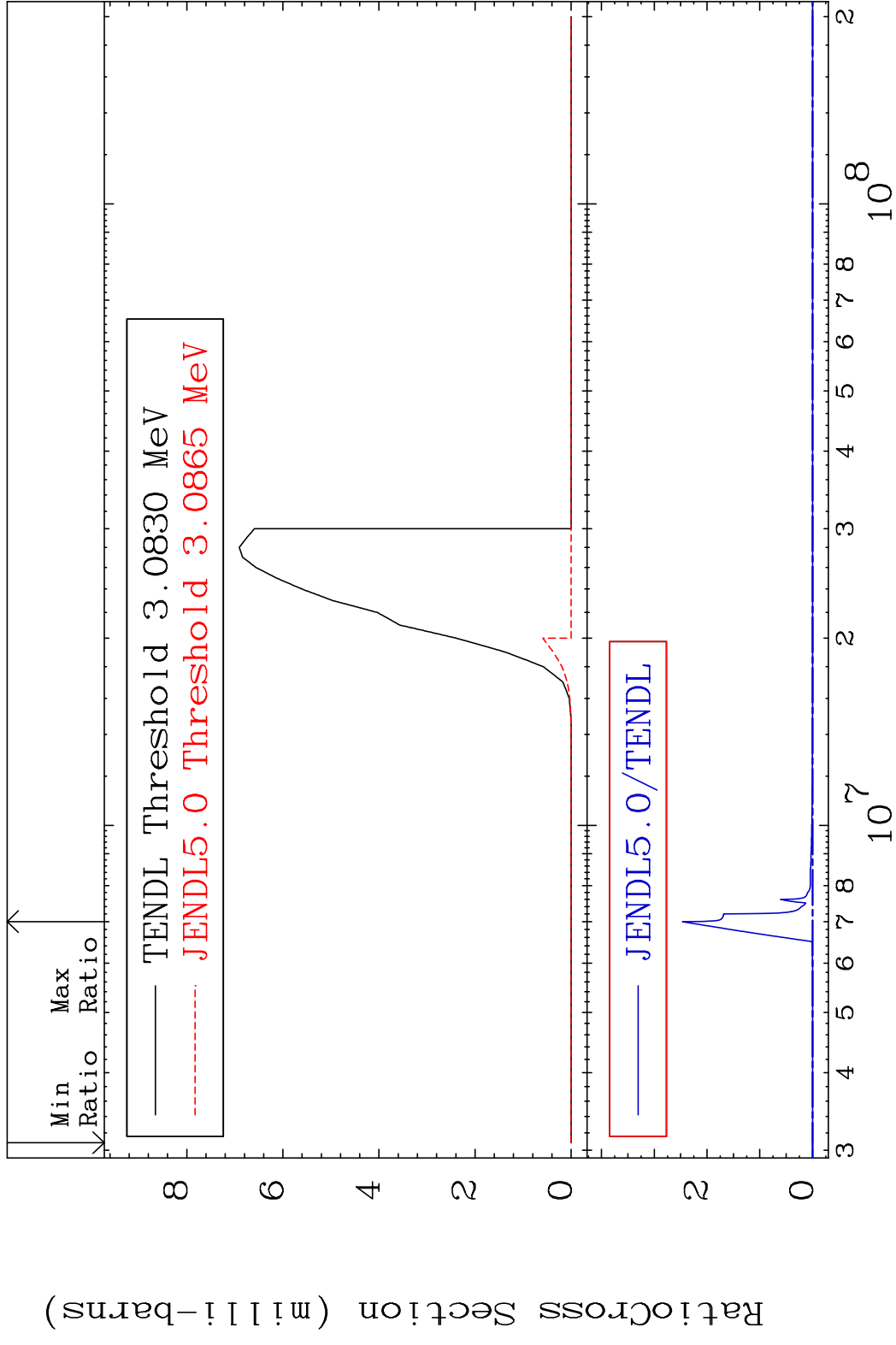


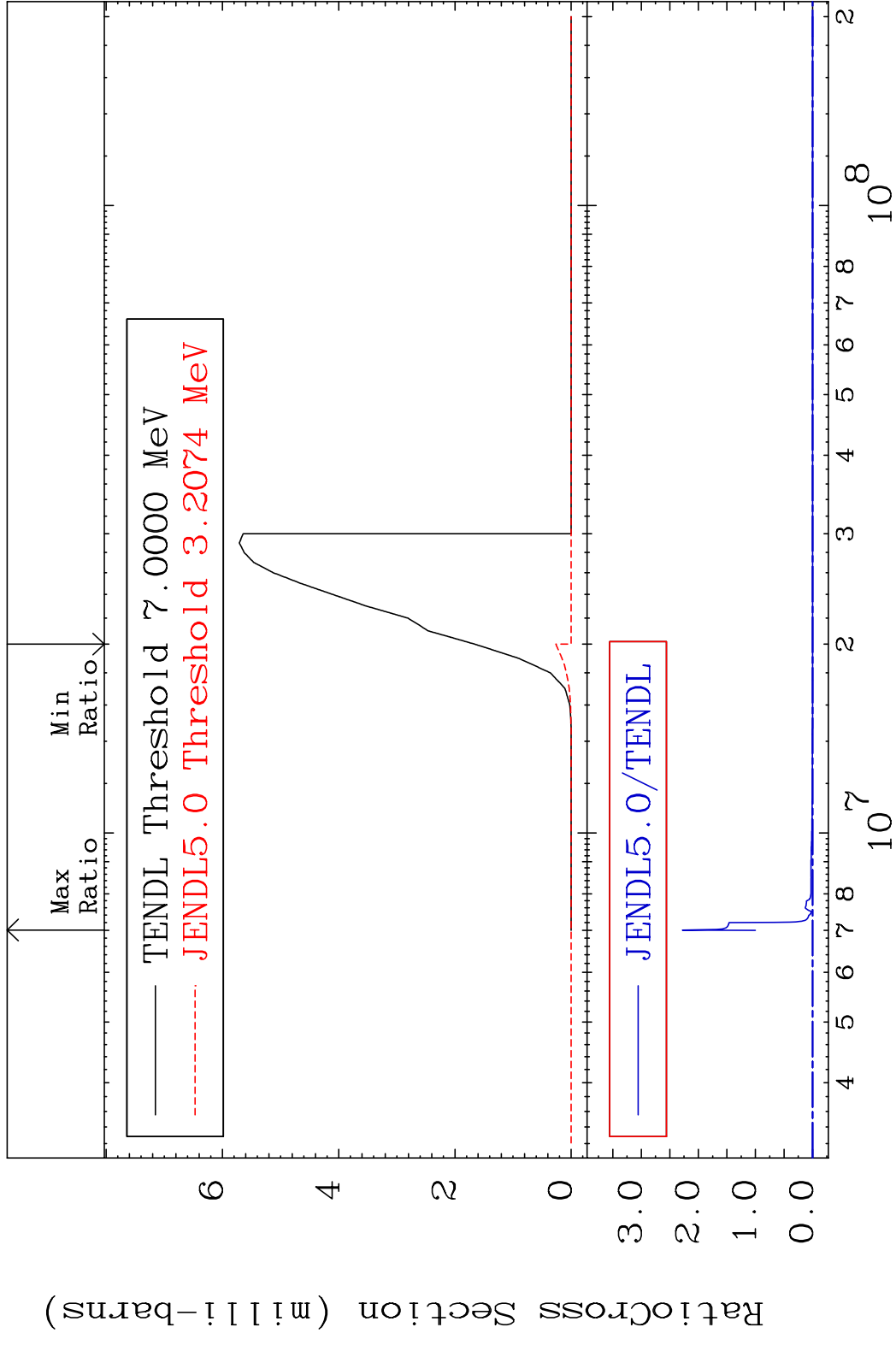
MAT 5534 (n,3n):55-Cs-134g 55-Cs-136
 Radionuclide Production Cross Section Ratio 318.9 %



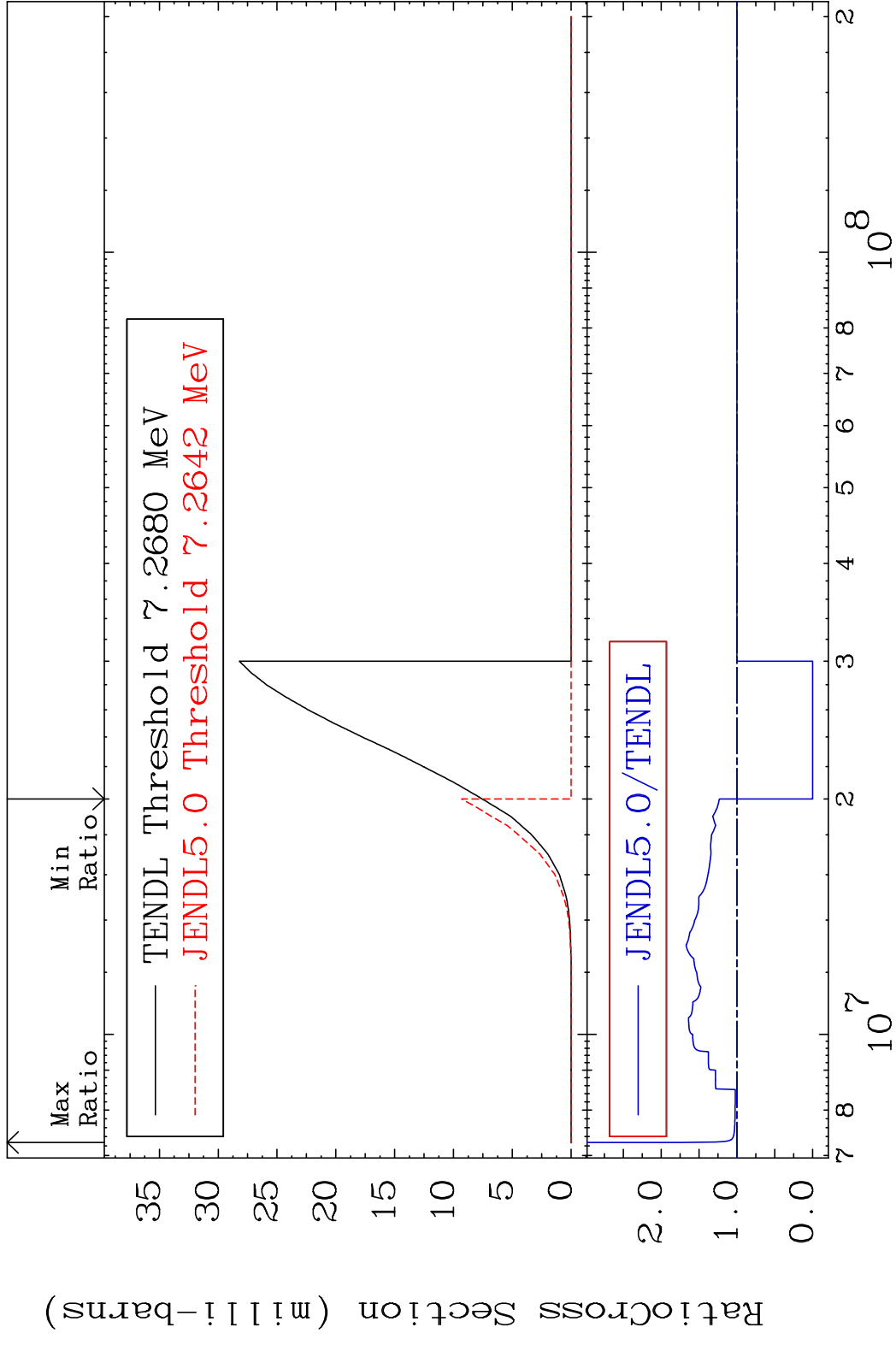
MAT 5534 (n, 3n):55-Cs-134m3 55-Cs-136
 Radionuclide Production Cross Section 180.0 dth 749.5 %

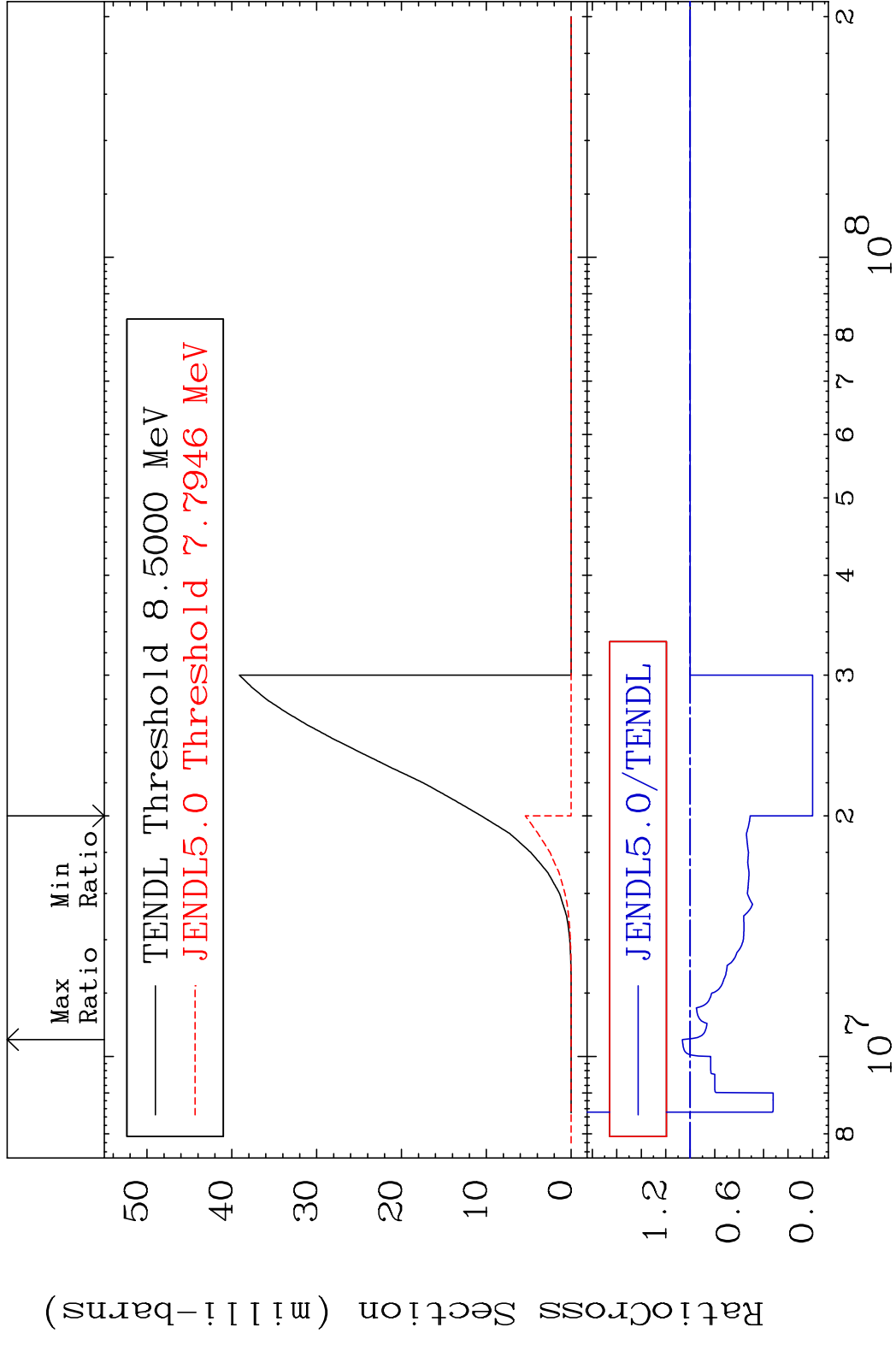


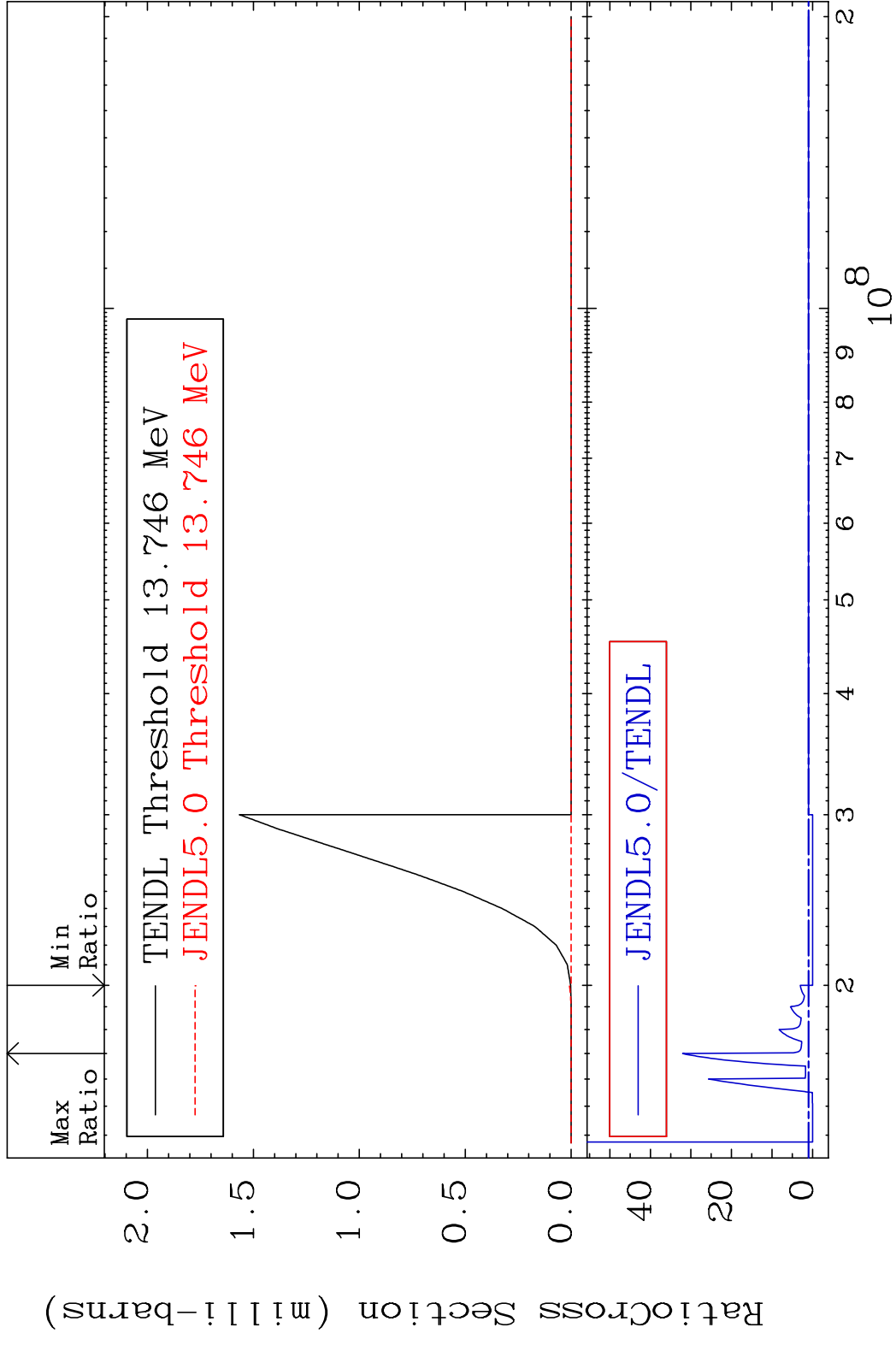




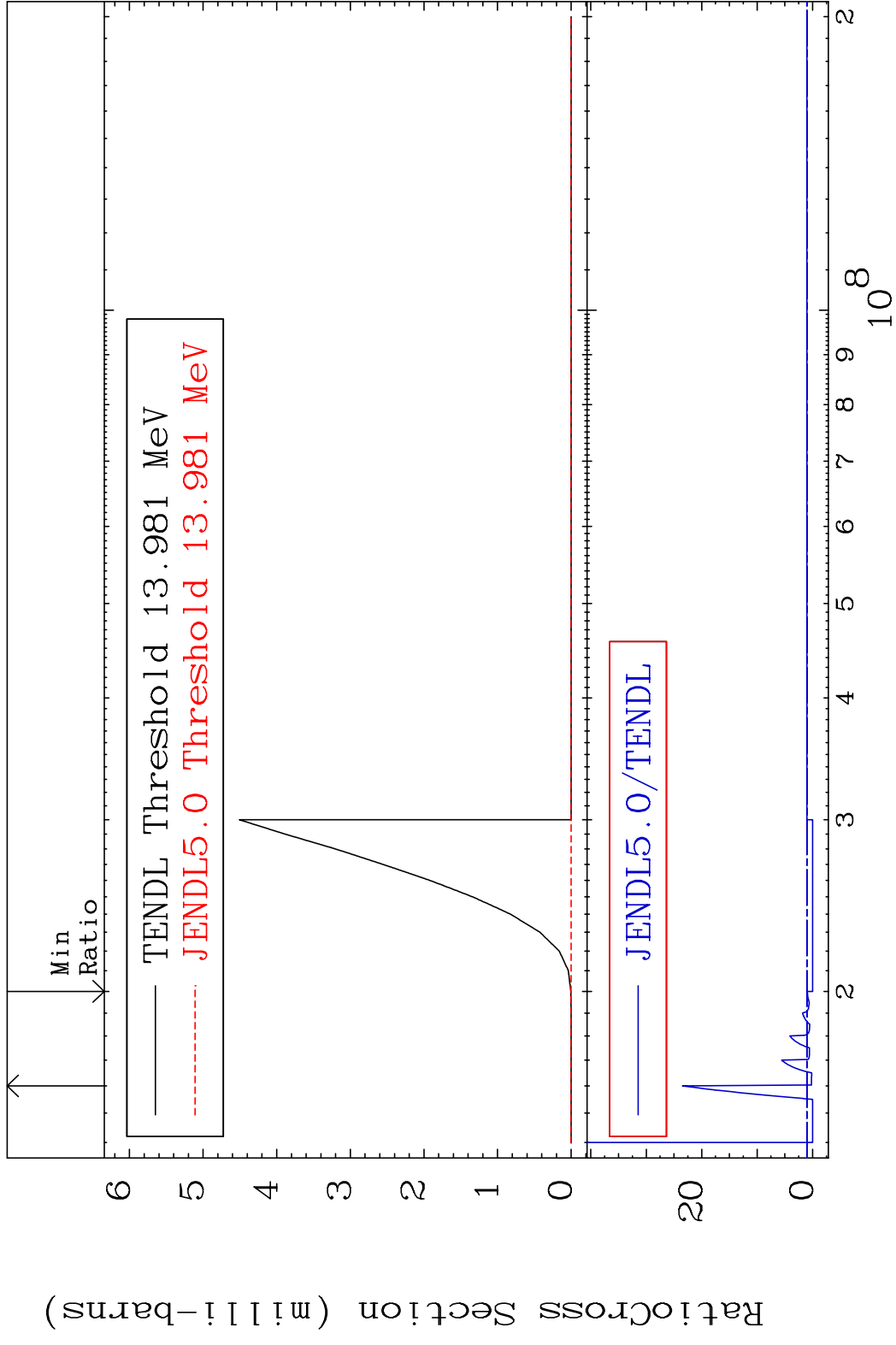
MAT 5534 (n, n') p:54-Xe-135g 55-Cs-136
 Radionuclide Production Cross Section Ratio 72.01 %

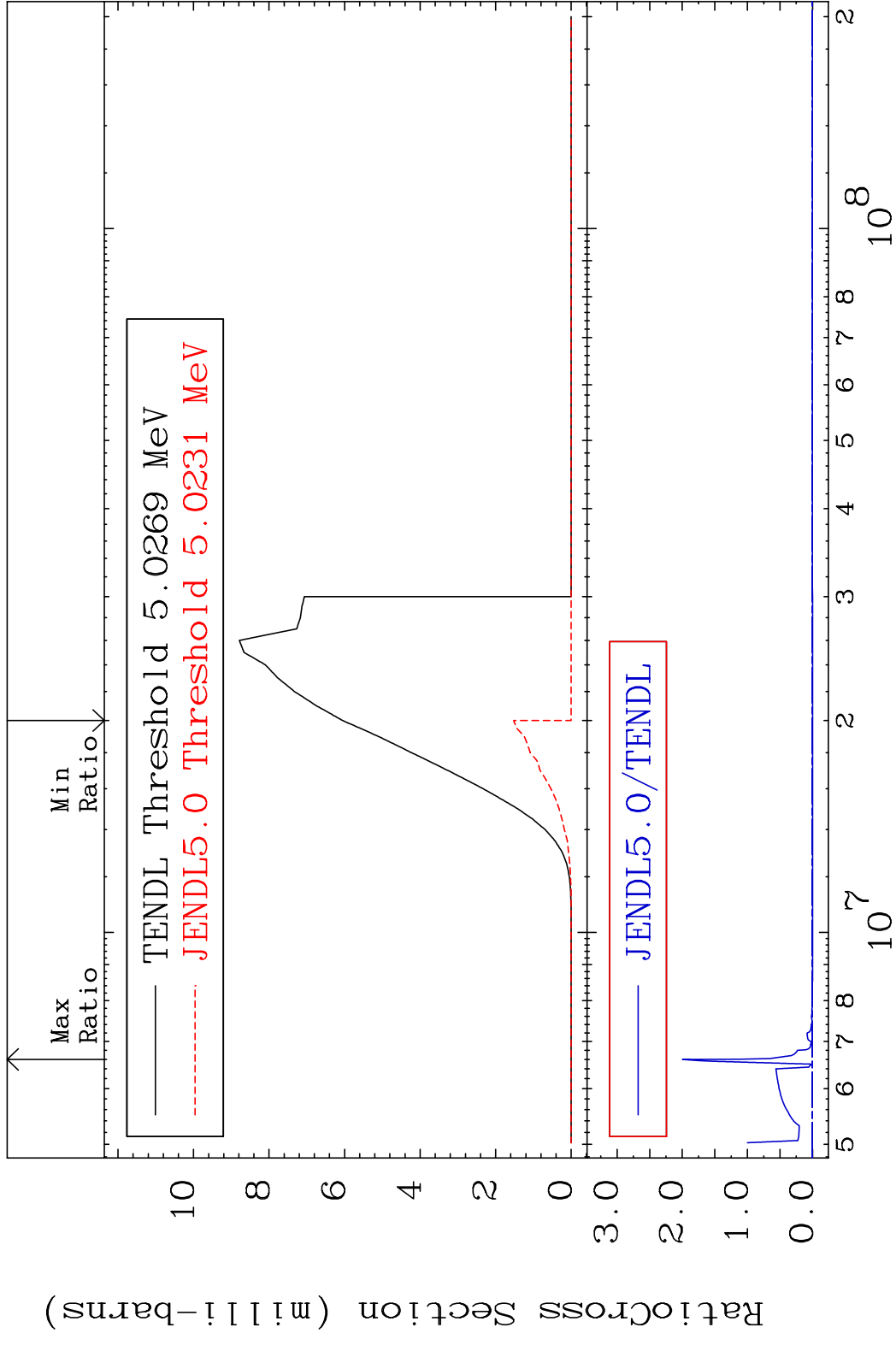


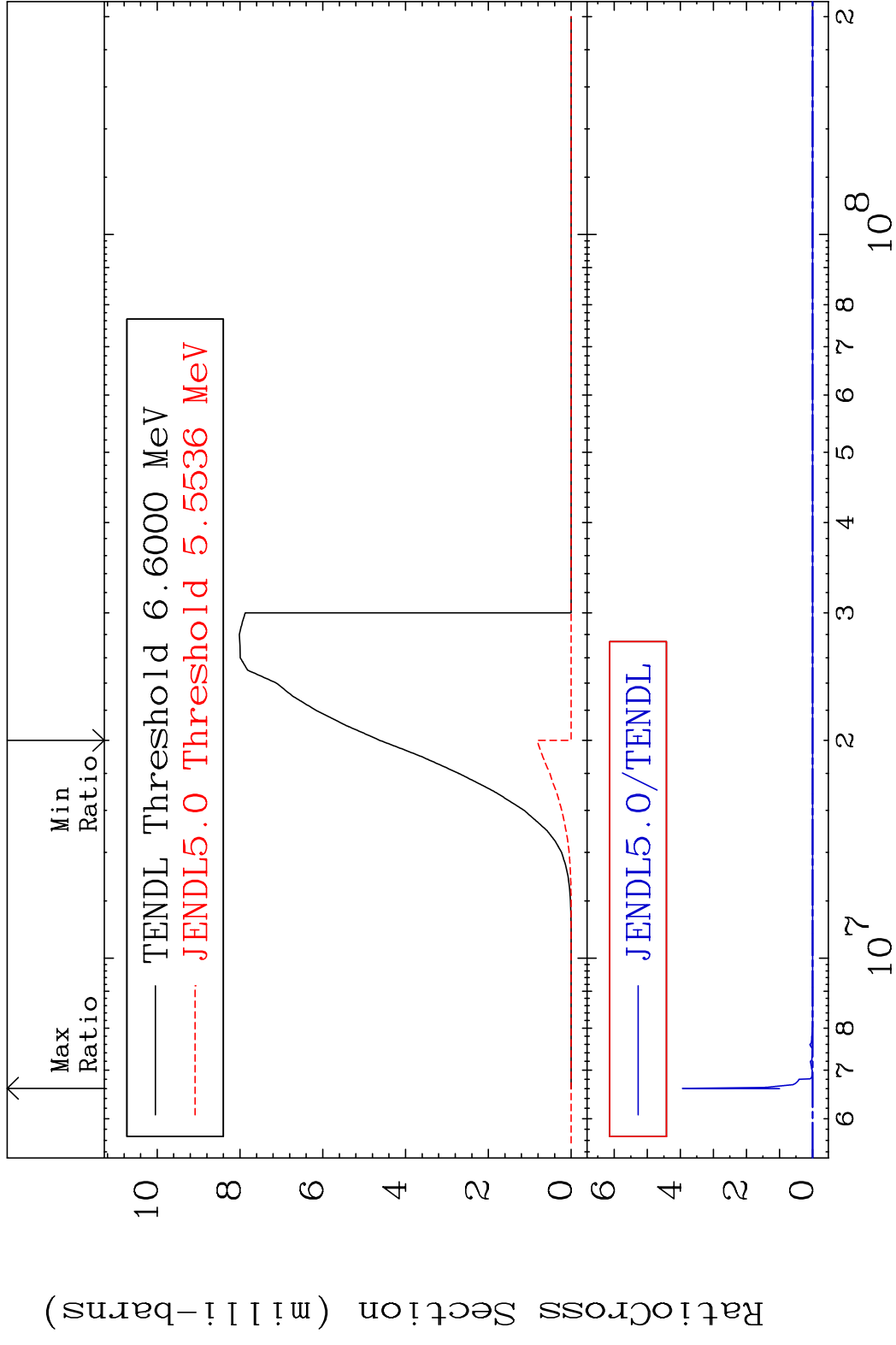




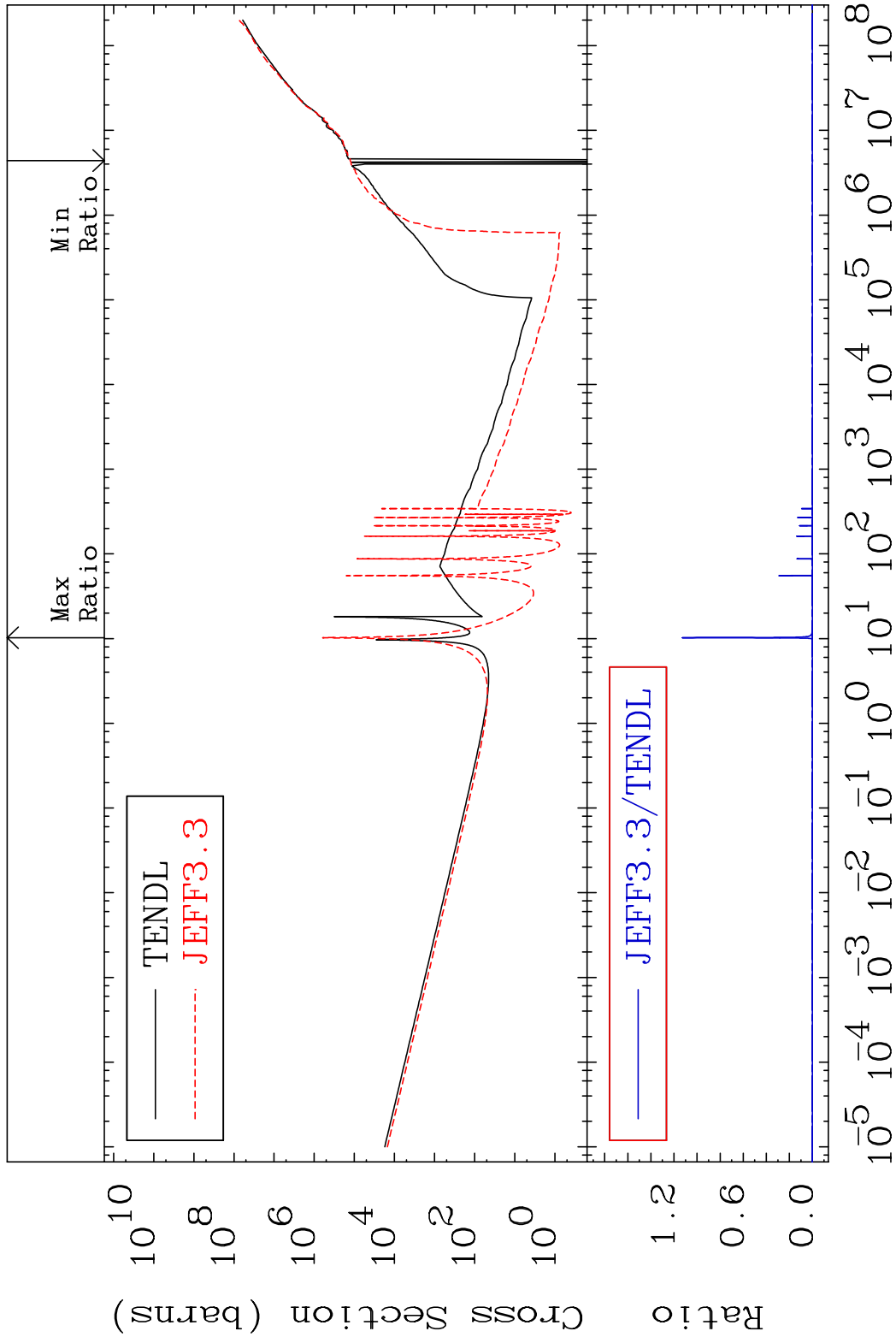
MAT 5534 (n, n') t:54-Xe-133m1 55-Cs-136
 Radionuclide Production Cross Section Ratio 2249. %



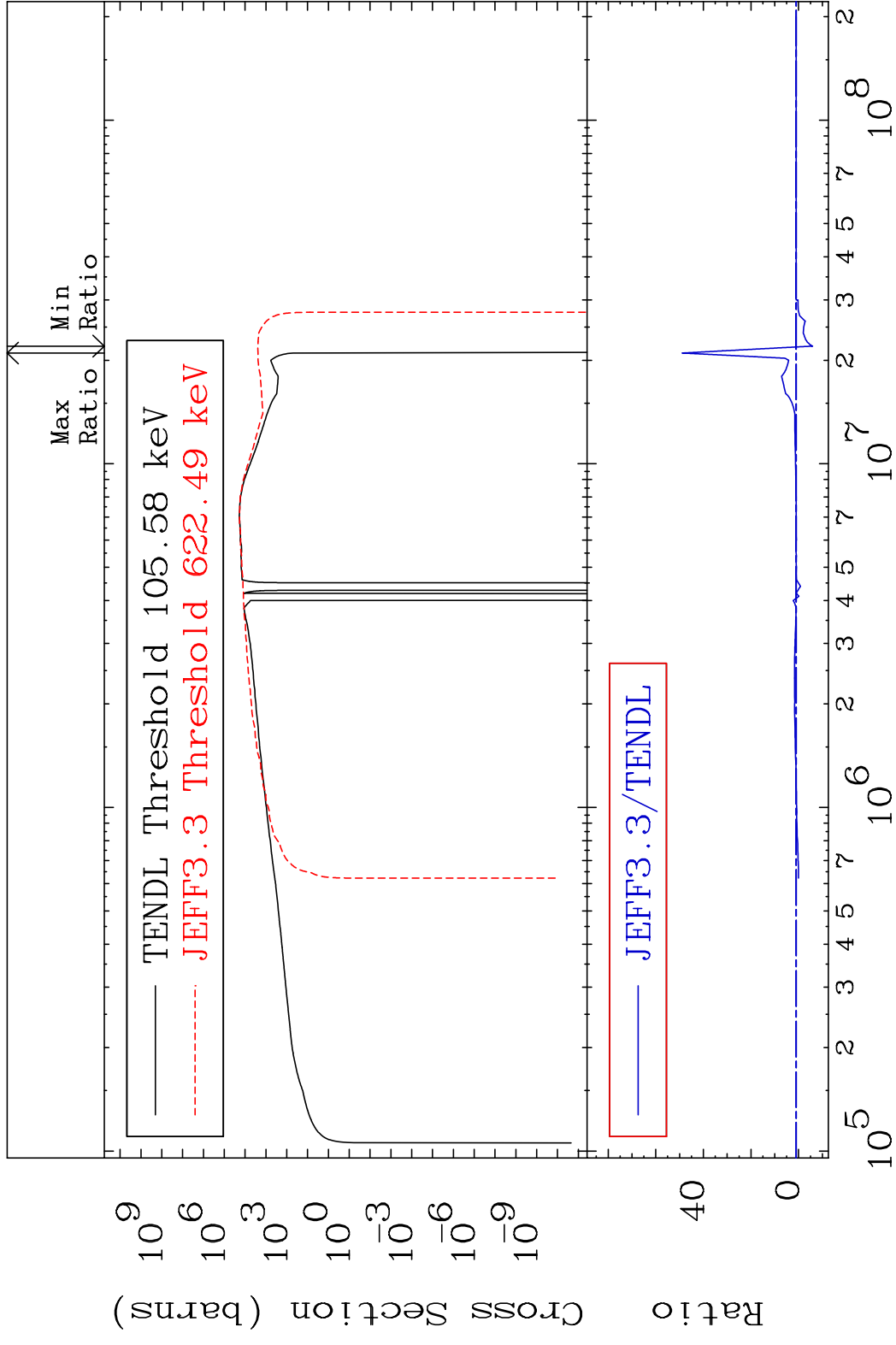




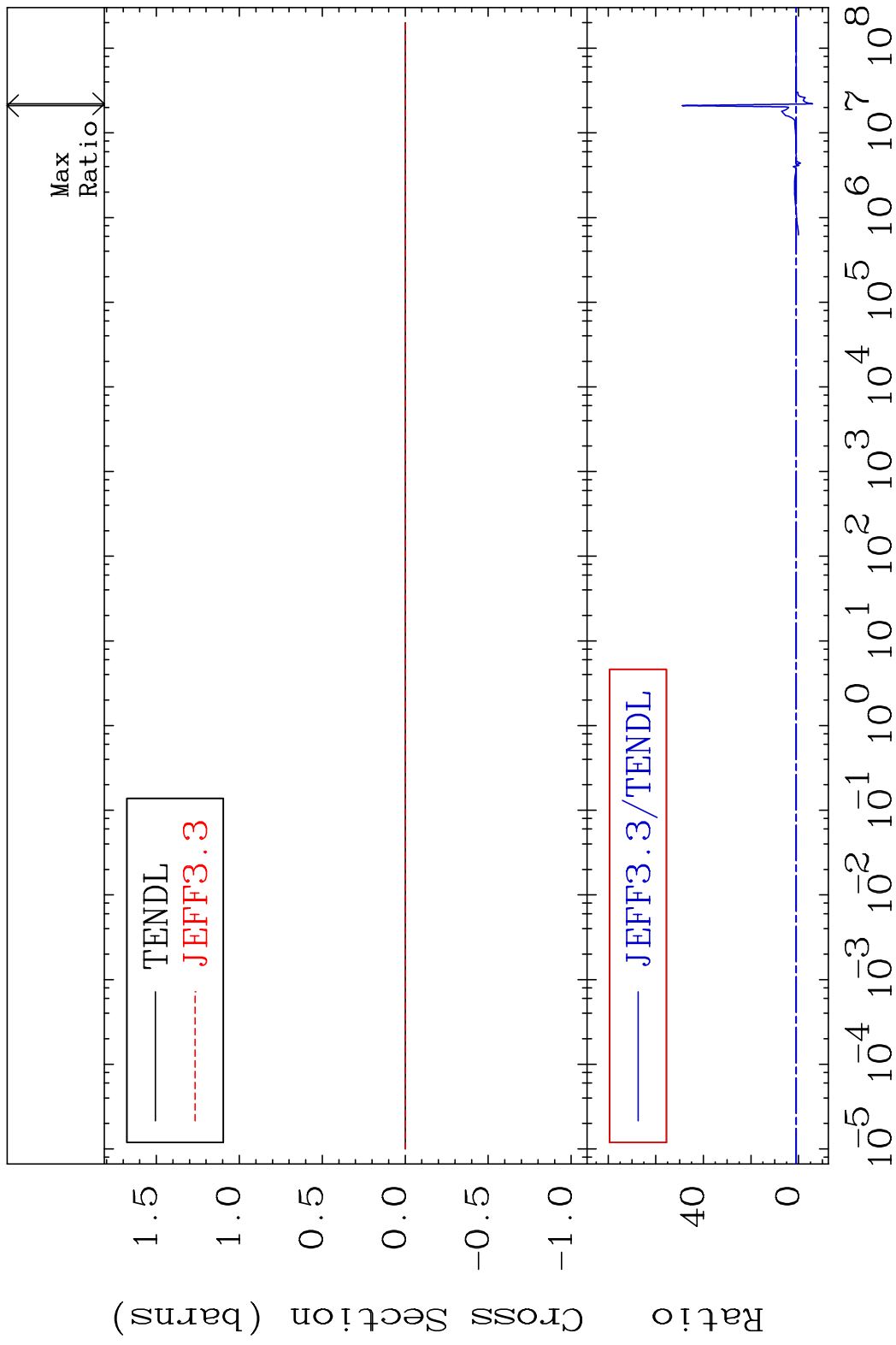
MAT 5534 Kerma non-elastic (all but mt2) 55-Cs-136
 Cross Section -178.4 To 9999. %



MAT 5534 Kerma inelastic (mt51-91) 55-Cs-136
 Cross Section -687.6 To 4783. %



MAT 5534 Kerma fission (mt18 or mt19-20-21-38)55-Cs-136
 Cross Section -687.6 To 4783. %

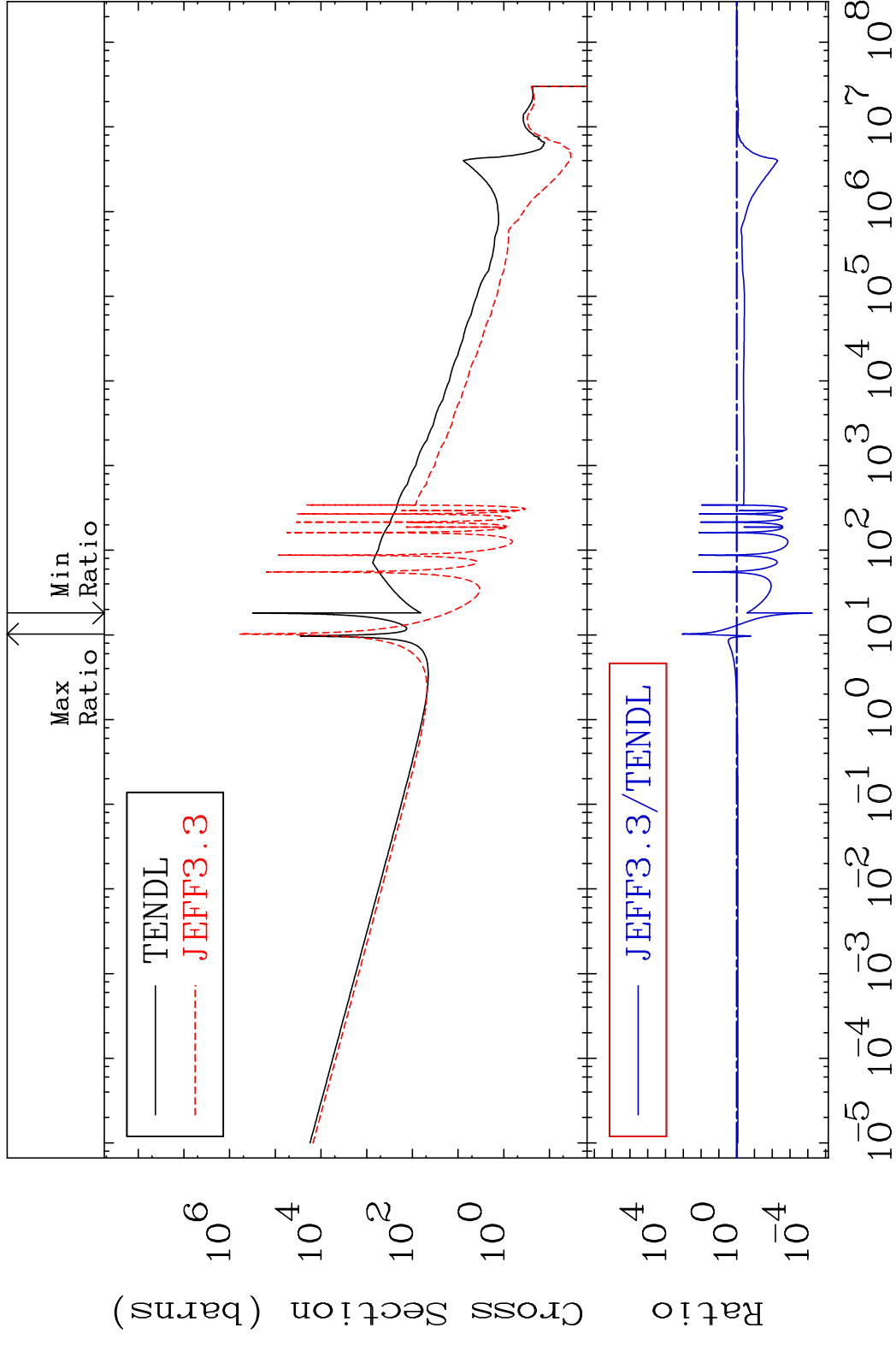


MAT 5534

Kerma capture (mt102)

55-Cs-136

Cross Section -99.99 To 9999. %

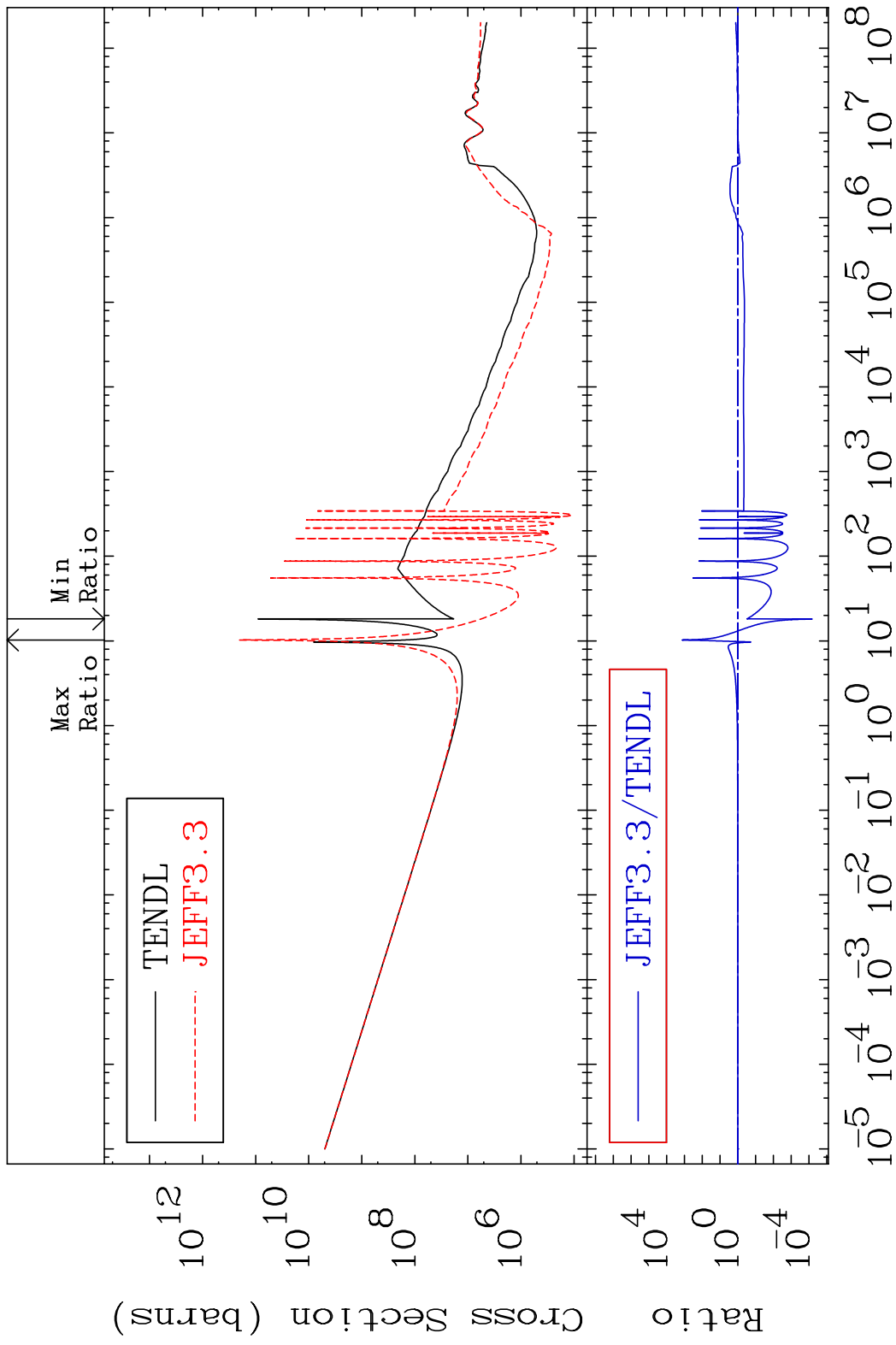


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Incident Energy (eV)

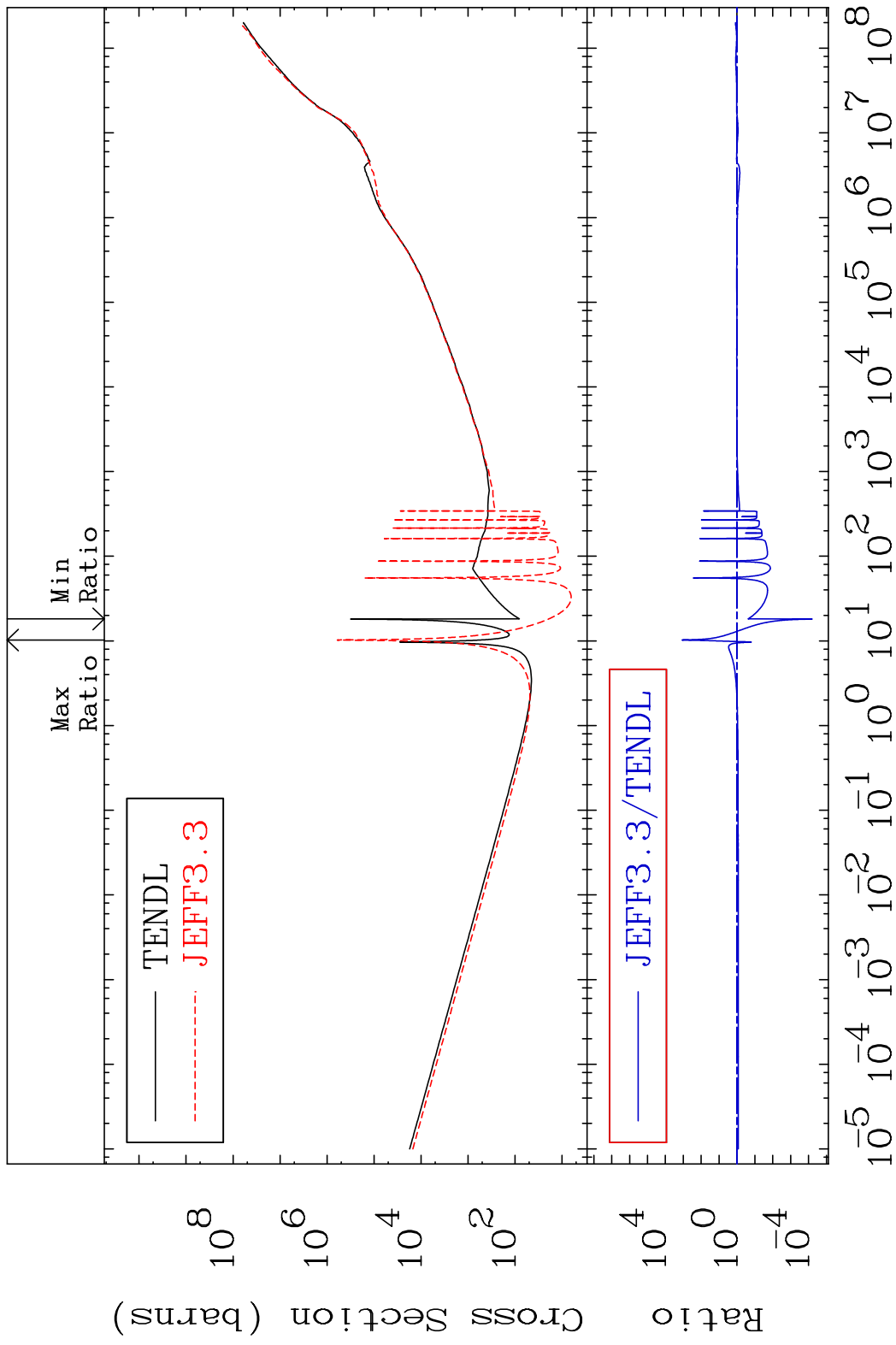
55-Cs-136

MAT 5534 Total photon (eV-barns) 55-Cs-136
 Cross Section -99.99 To 9999. %



60 Incident Energy (eV) 55-Cs-136

MAT 5534 Total kinematic kerma (high limit) 55-Cs-136
 Cross Section -99.99 To 9999. %

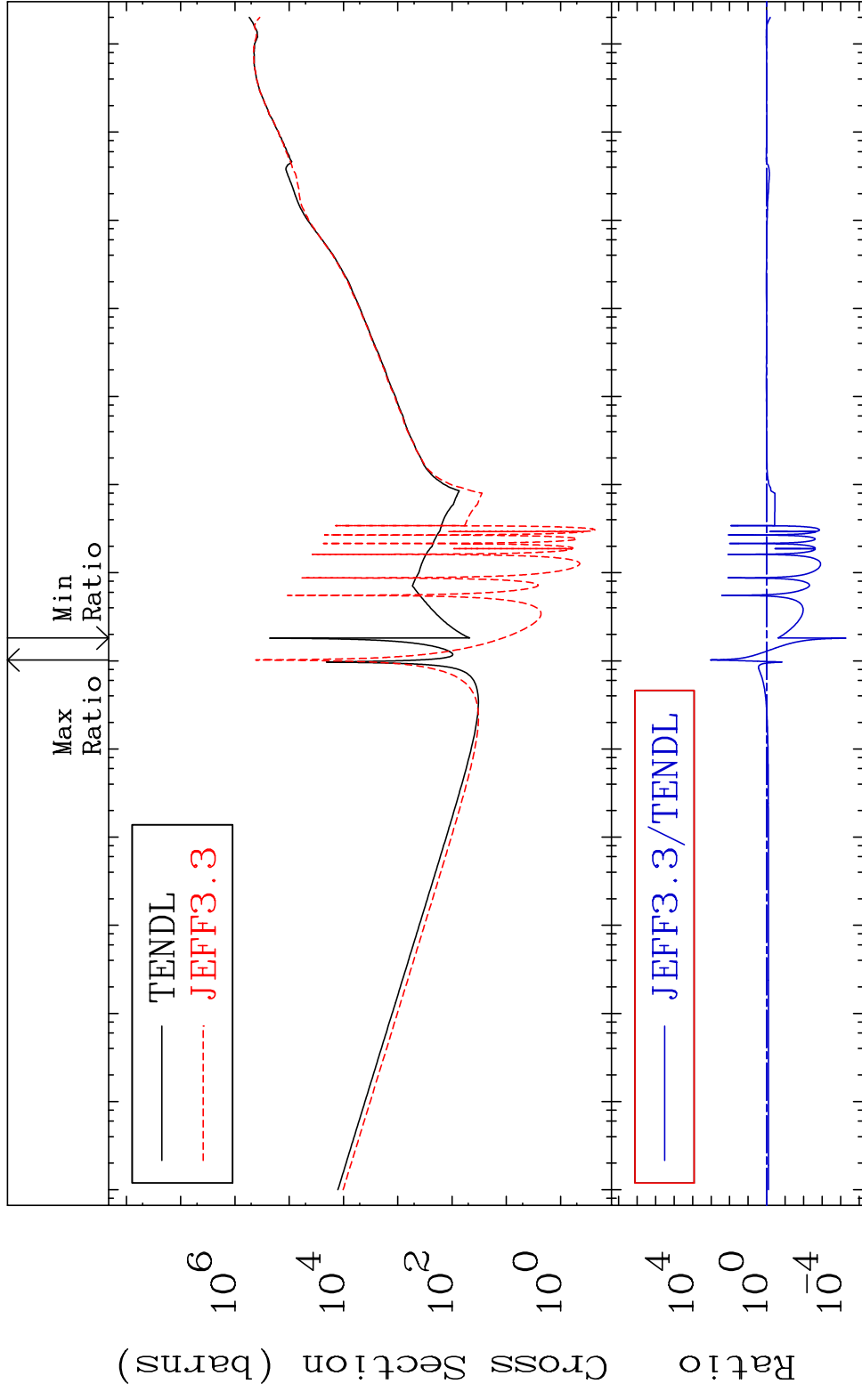


MAT 5534

Dpa total (eV-barns)

55-Cs-136

Cross Section -100.0 To 9999. %

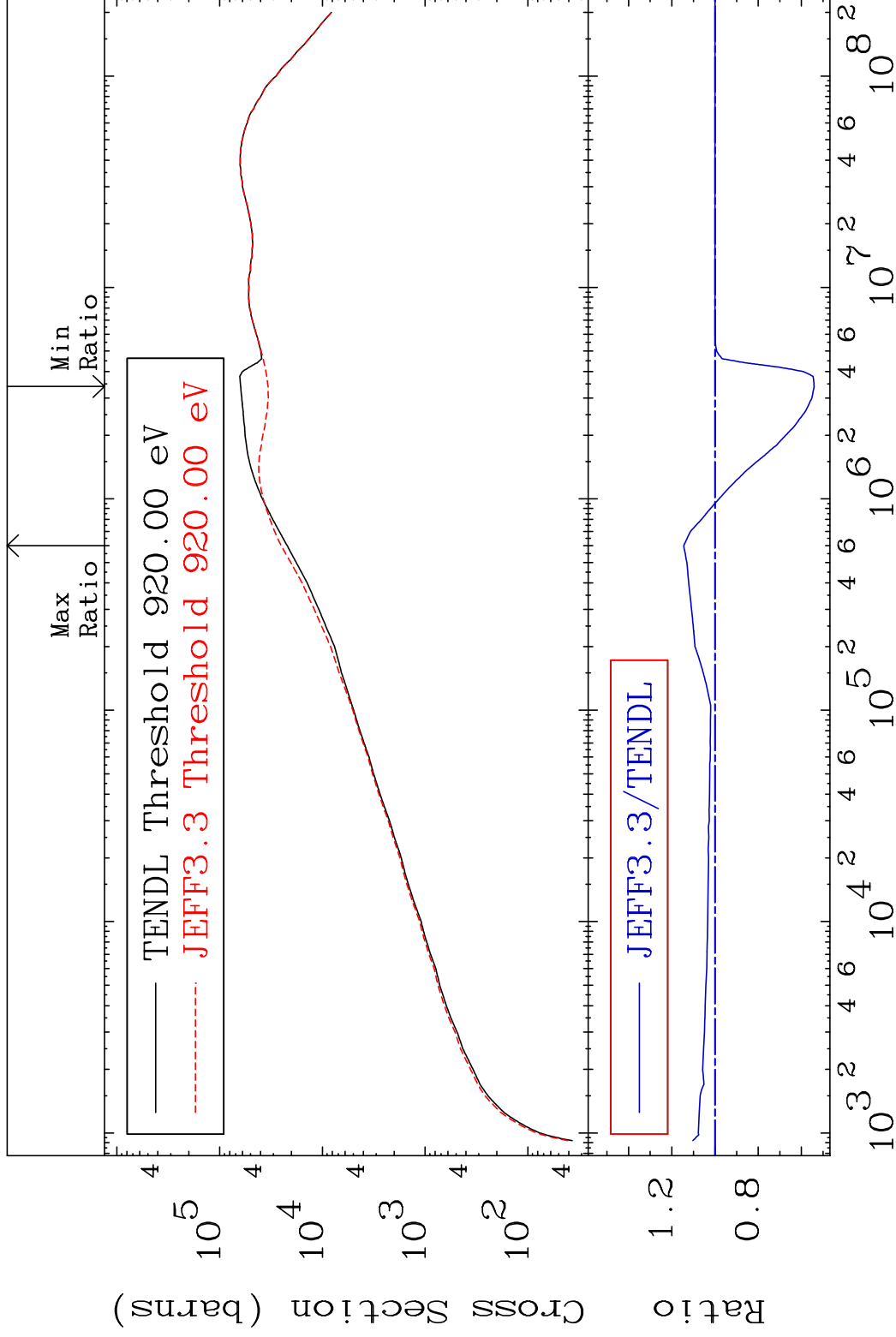


MAT 5534

Dpa elastic (mt2)

55-Cs-136

Cross Section -45.87 To 14.51 %



63

Incident Energy (eV)

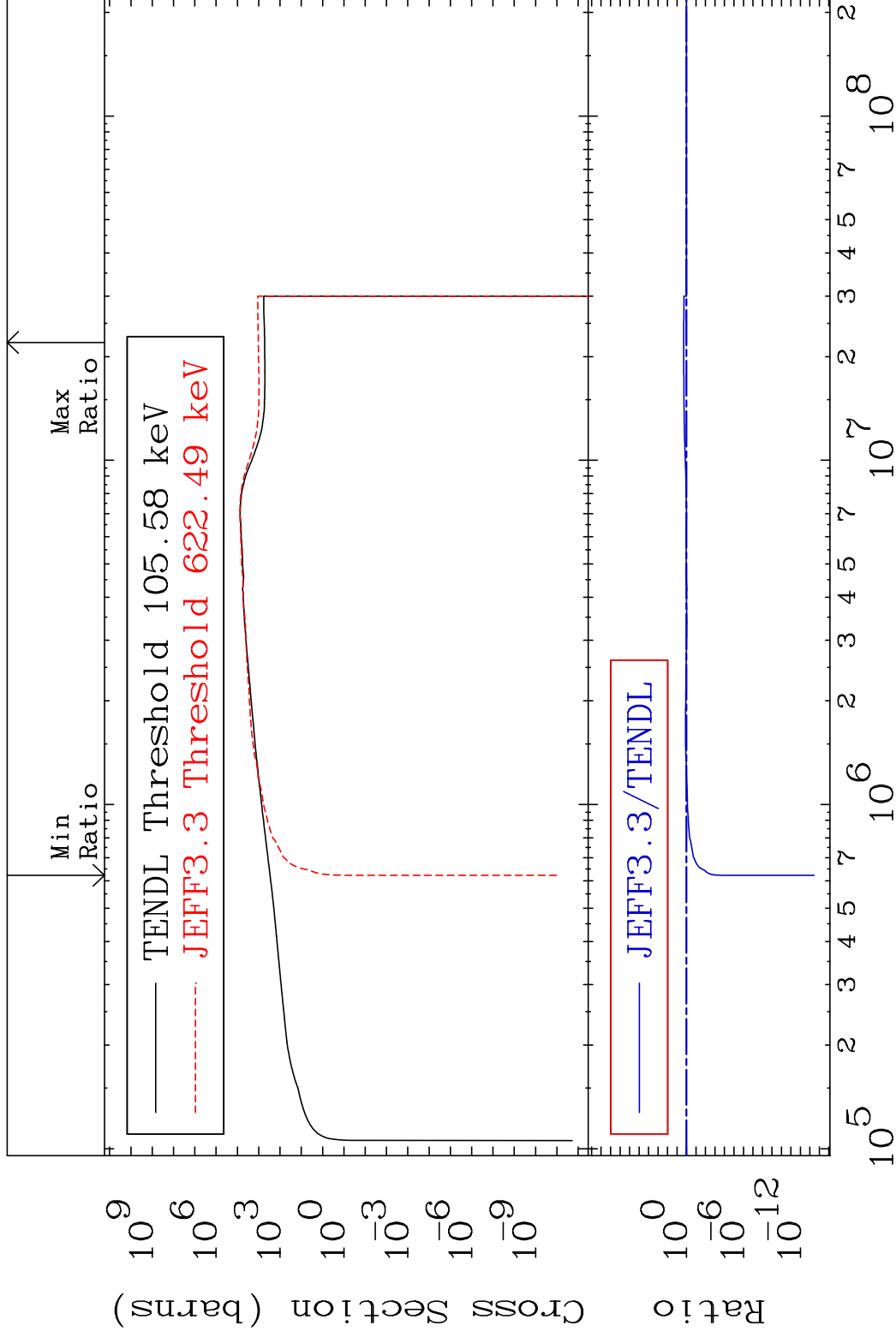
55-Cs-136

MAT 5534

Dpa inelastic (mt51-91)

55-Cs-136

Cross Section -100.0 To 99.74 %

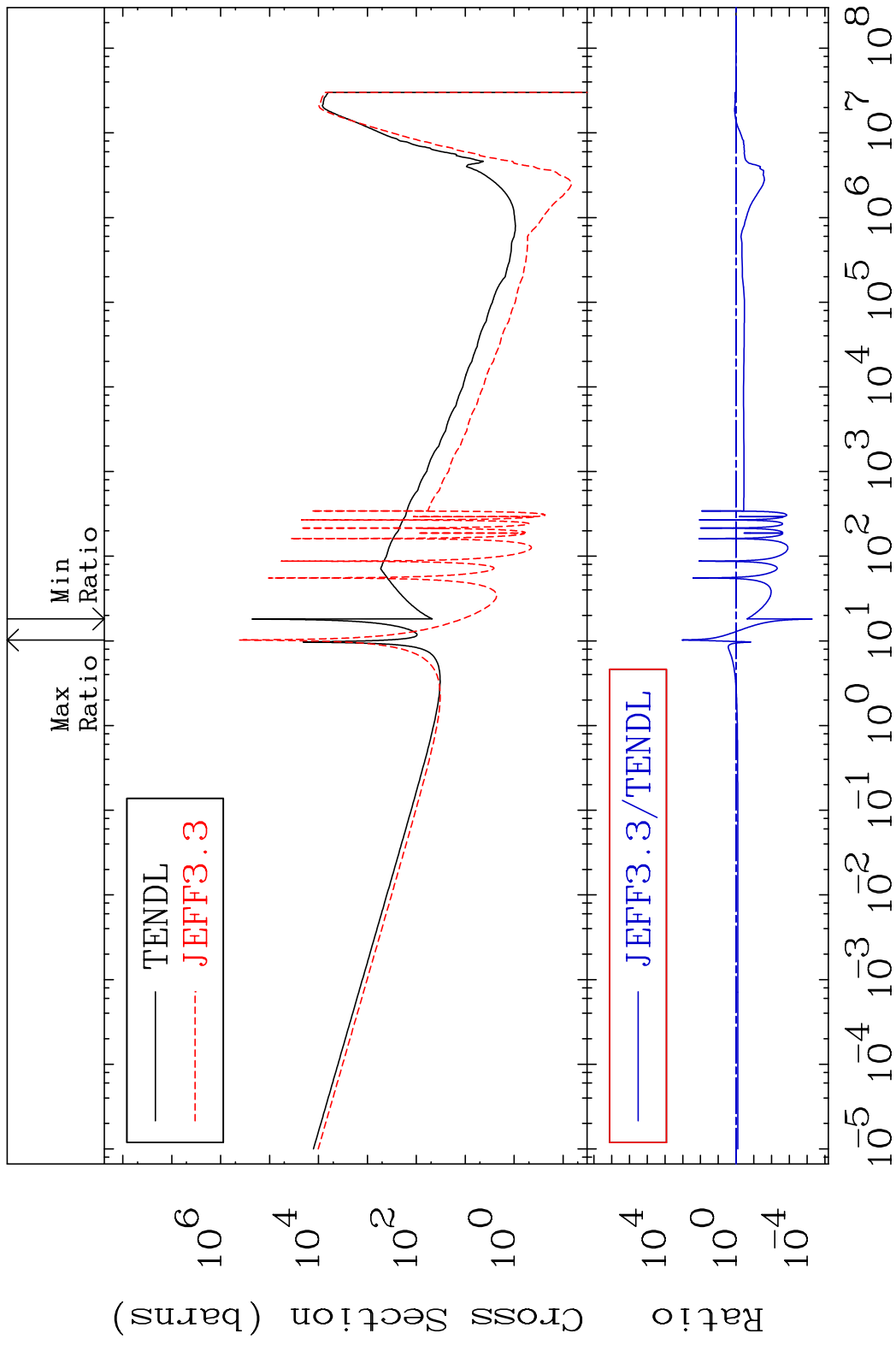


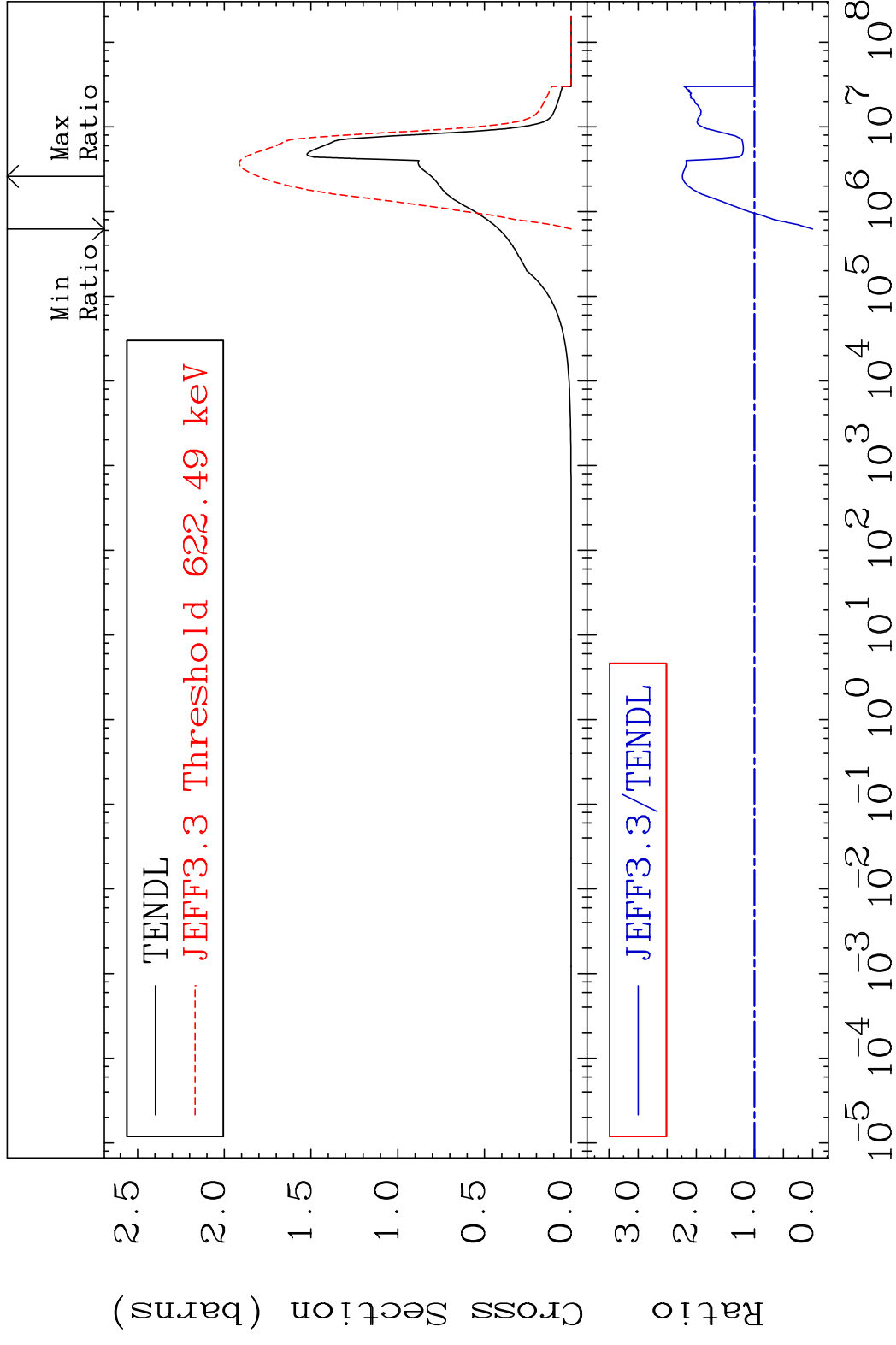
64

Incident Energy (eV)

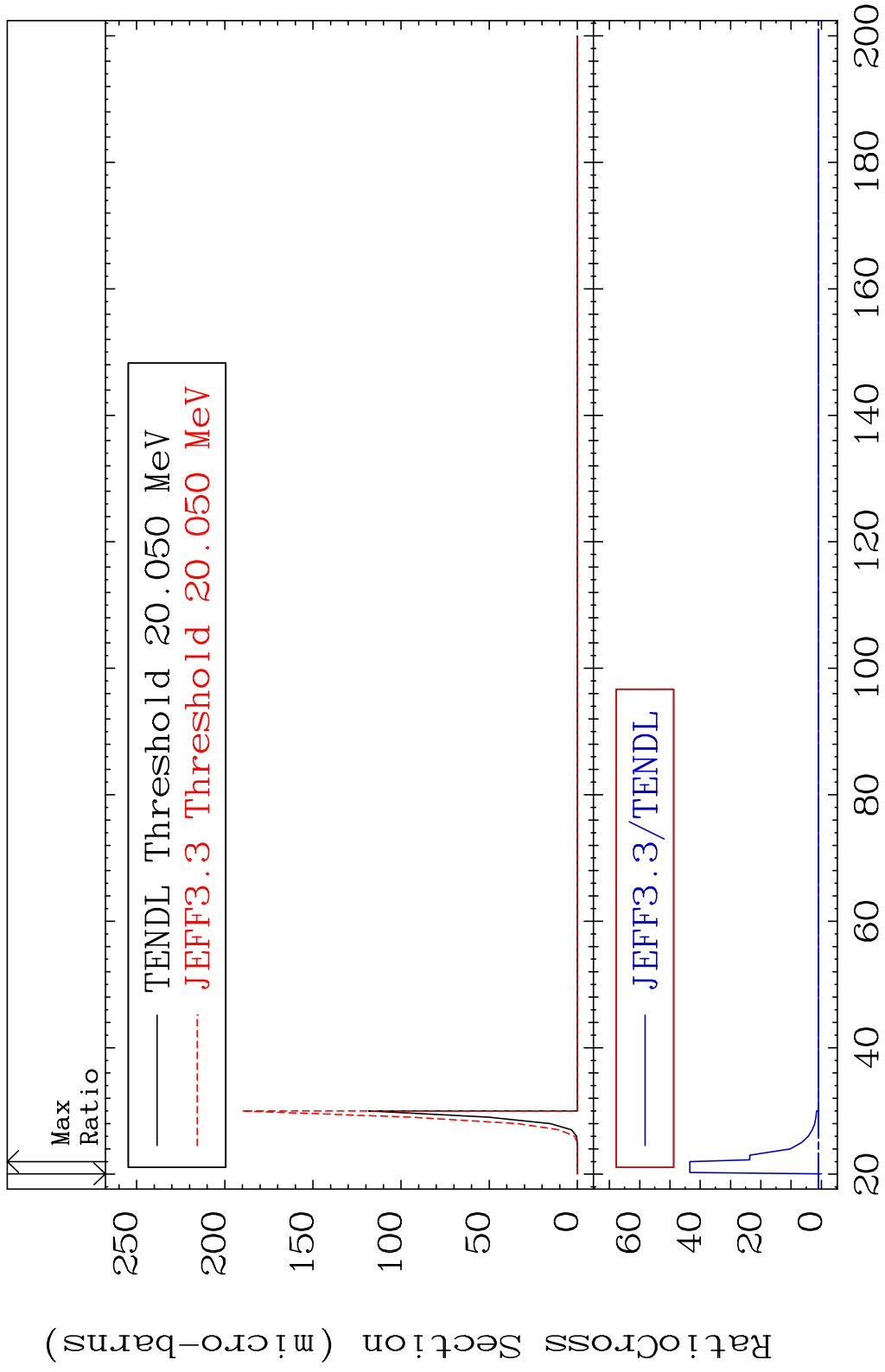
55-Cs-136

MAT 5534 Dpa disappearance (mt102 -120) 55-Cs-136
 Cross Section -100.0 To 9999. %

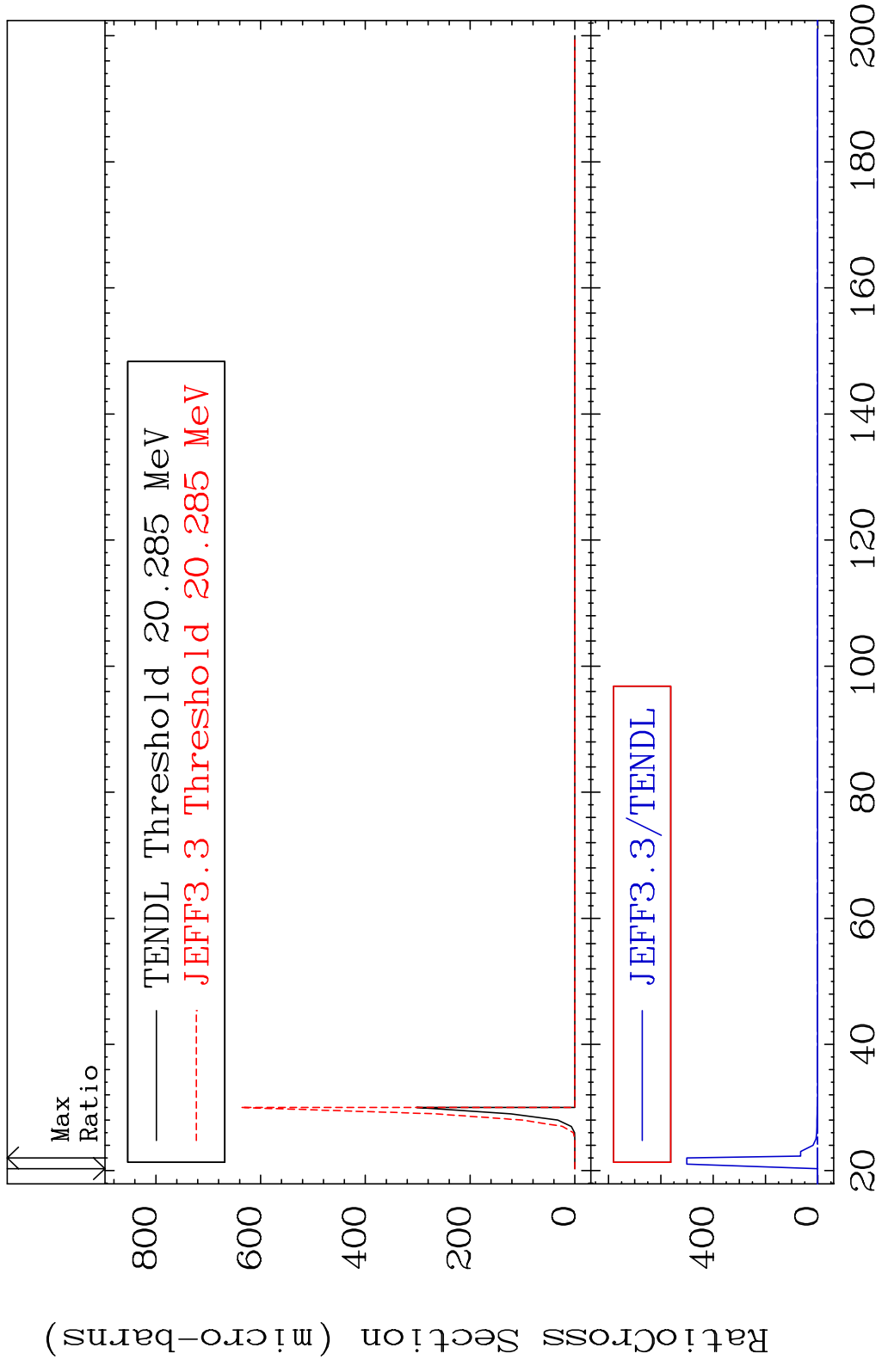




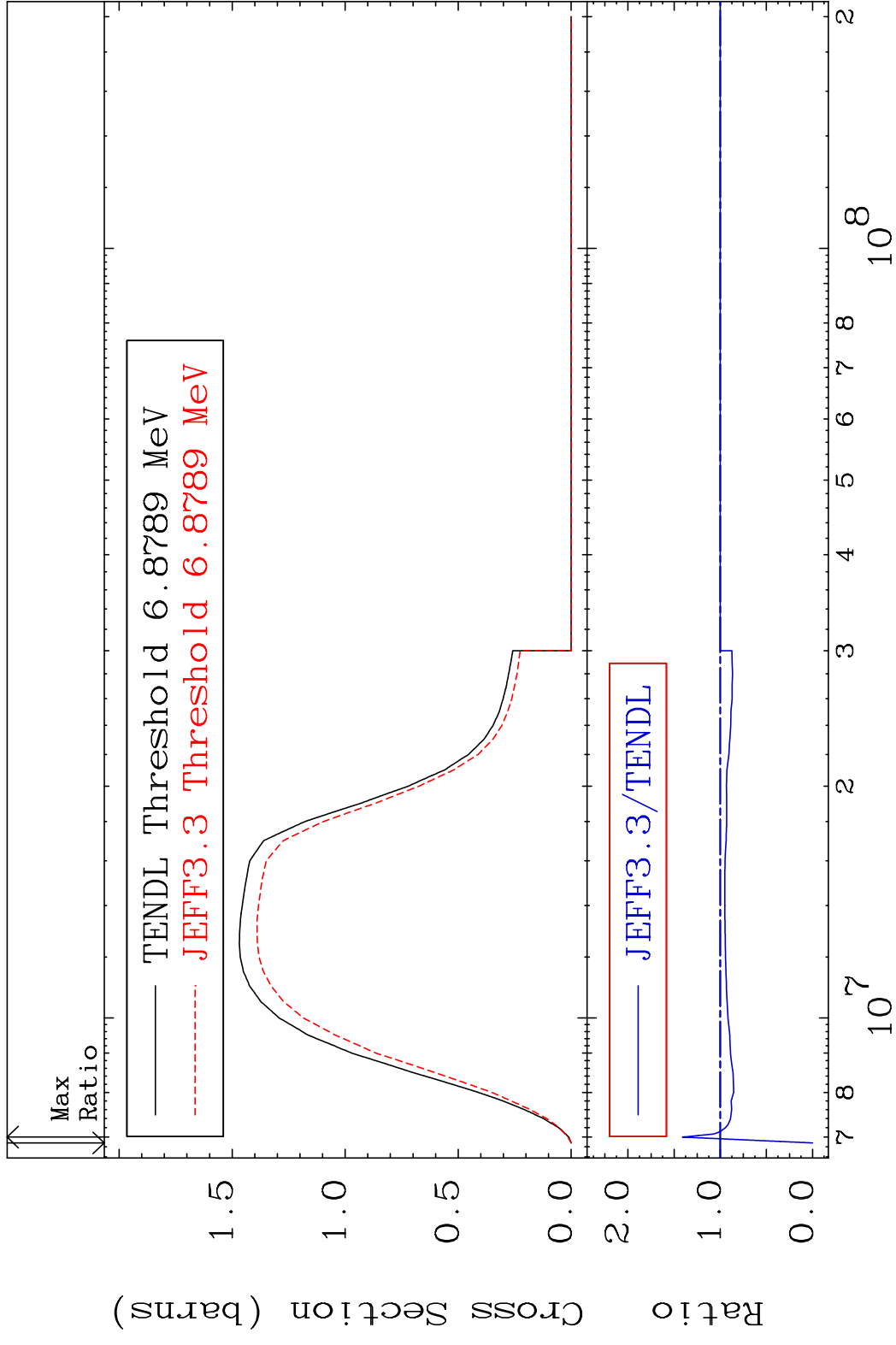
MAT 5534 (n,2n) d:54-Xe-133g 55-Cs-136
 Radionuclide Production Cross Section Ratio 4247. %



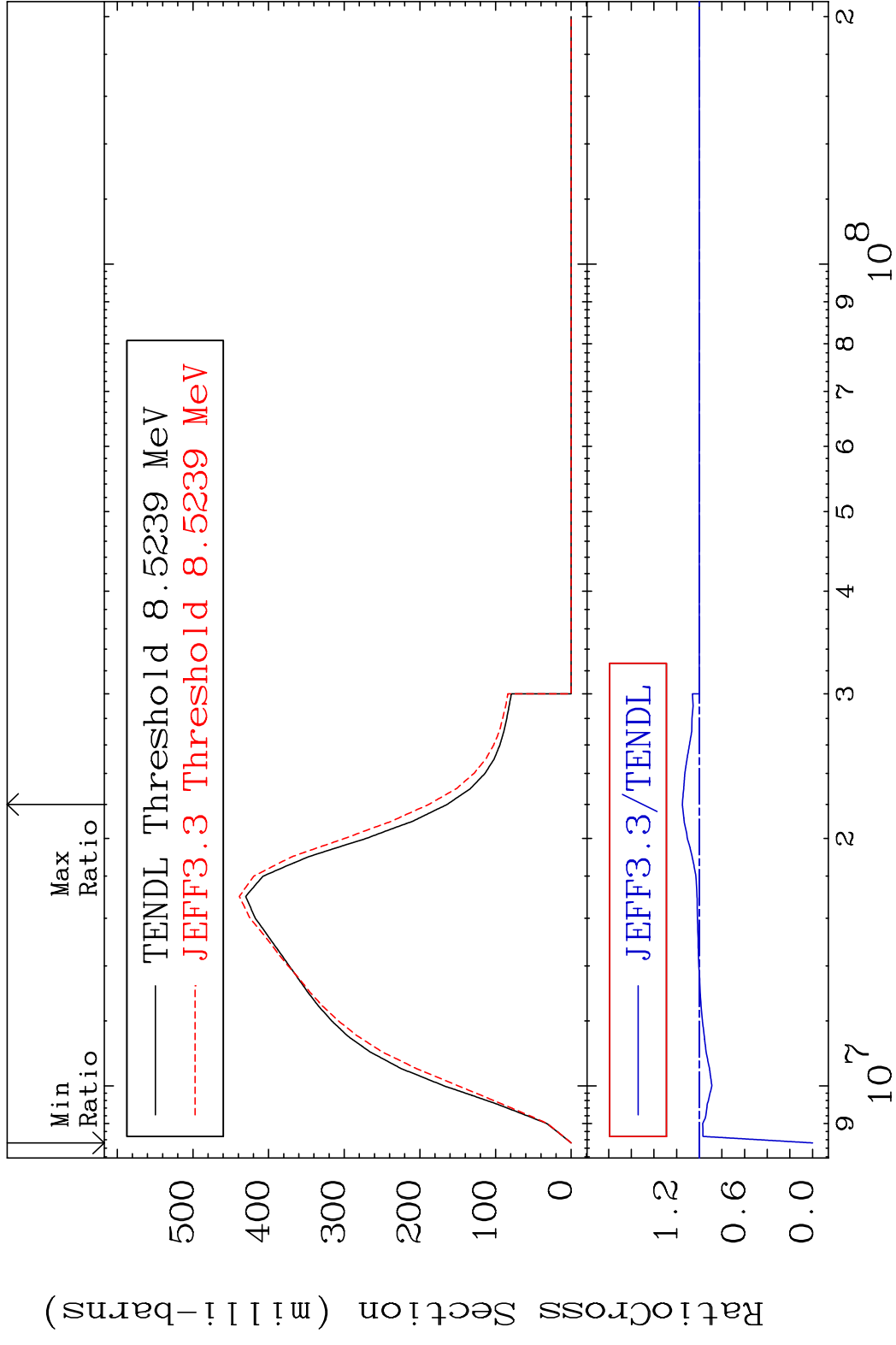
MAT 5534 (n,2n) d:54-Xe-133m1 55-Cs-136
 Radionuclide Production Cross Section Ratio 9999. %



MAT 5534 (n,2n):55-Cs-135g 55-Cs-136
 Radionuclide Production Cross Section 41.08 %

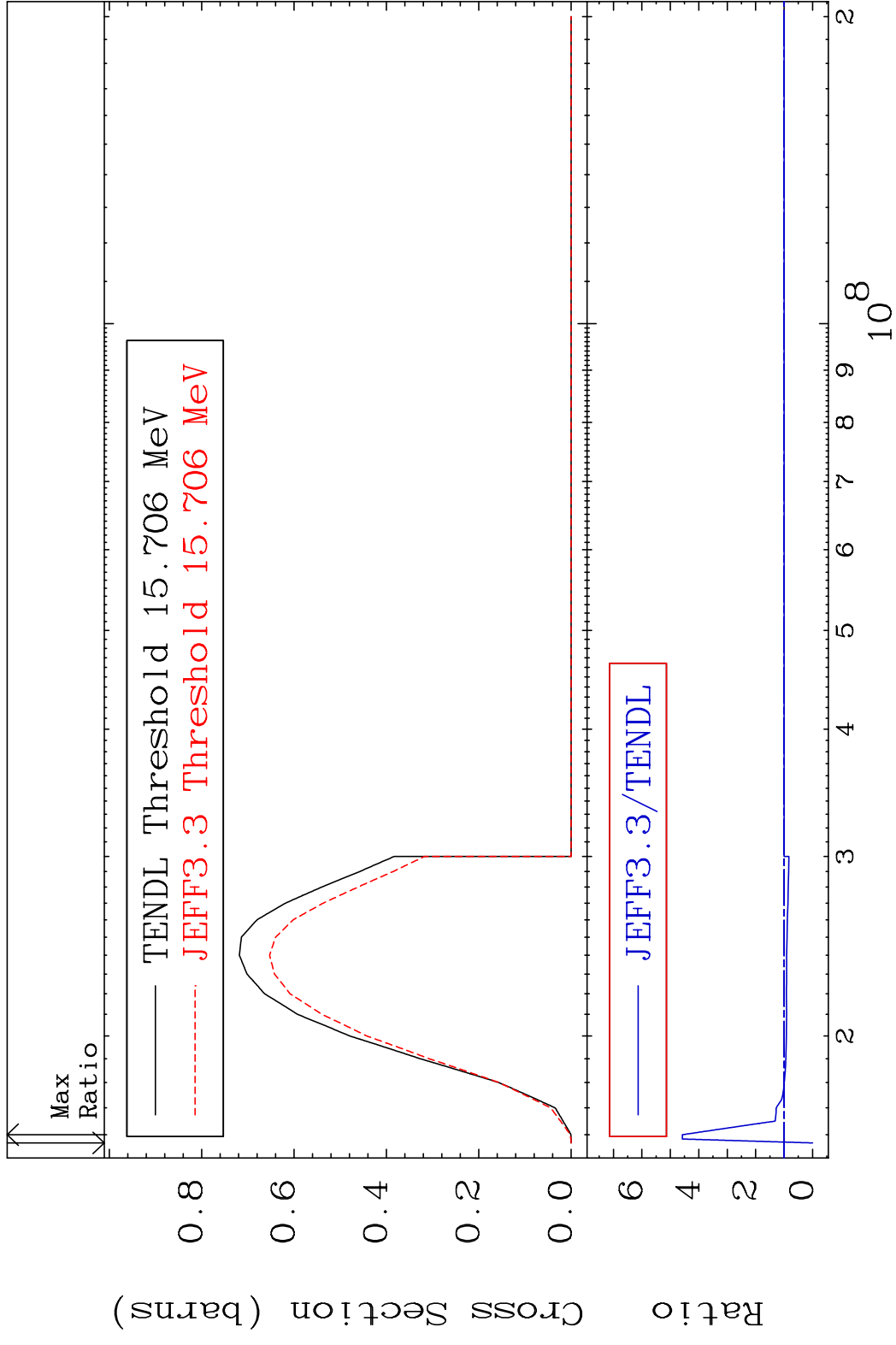


MAT 5534 (n,2n):55-Cs-135m10 55-Cs-136
 Radionuclide Production Cross Section 180.01 d10 14.93 %

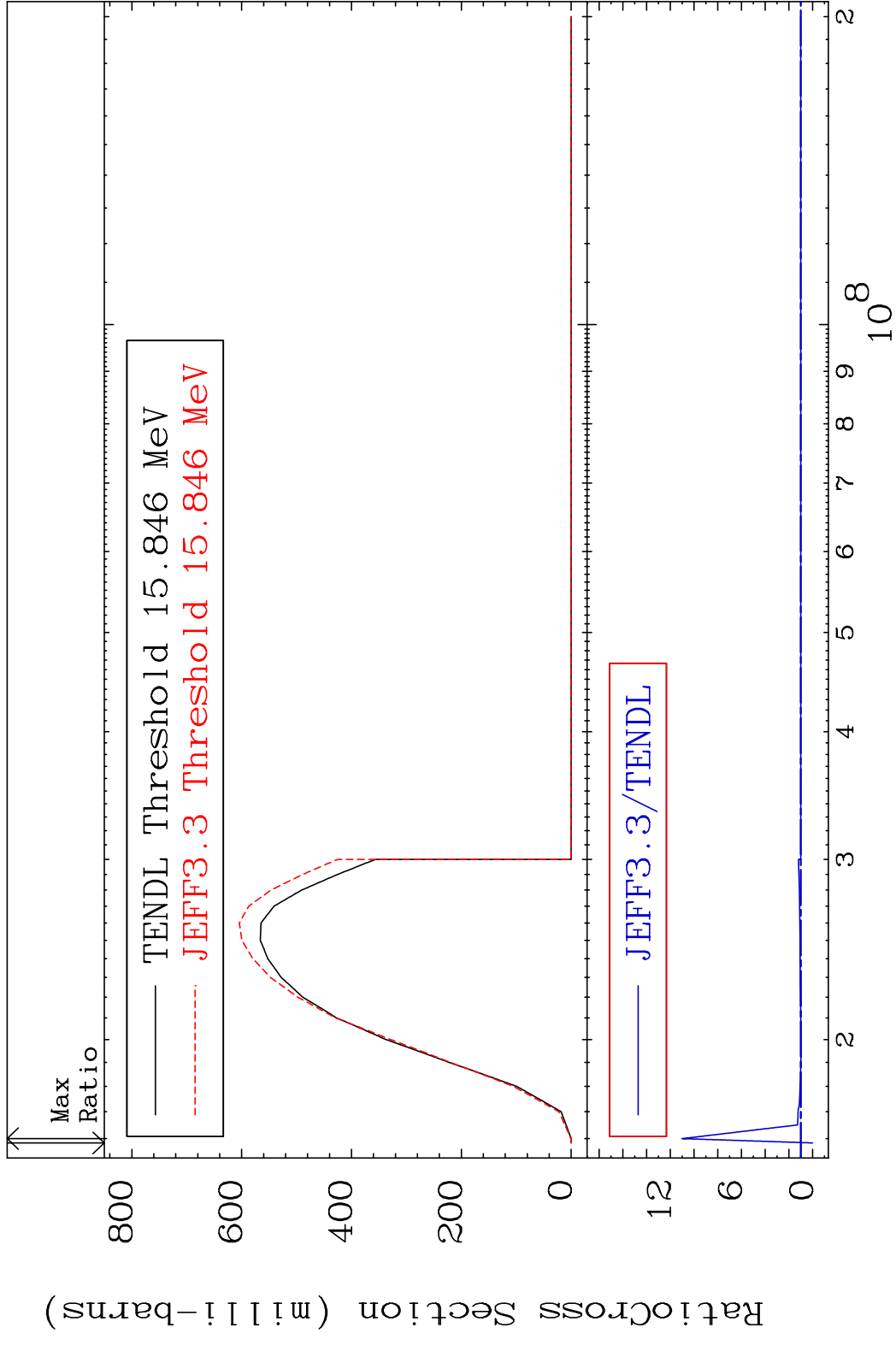


70 Incident Energy (eV) 55-Cs-136

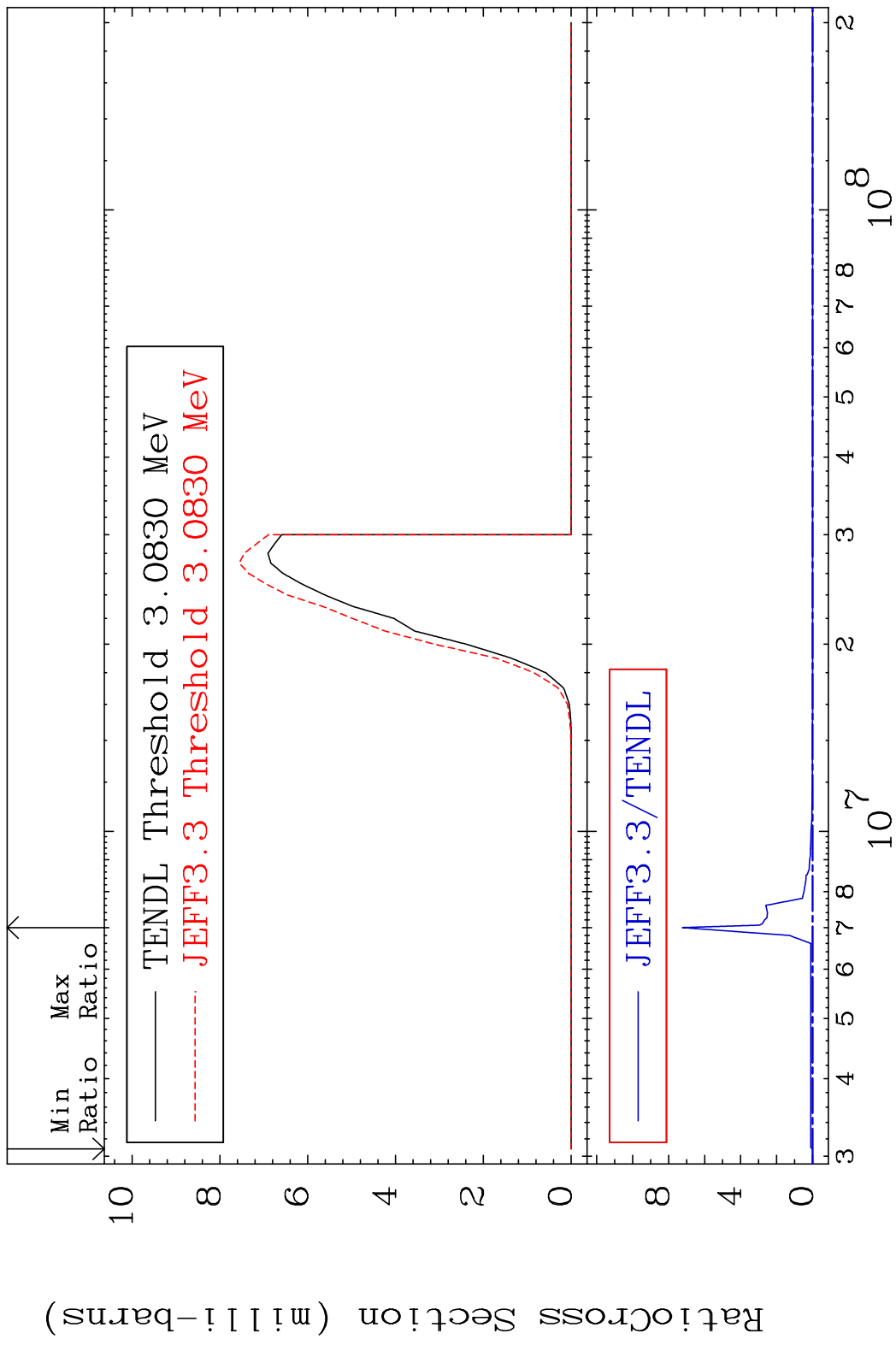
MAT 5534 (n,3n):55-Cs-134g 55-Cs-136
 Radionuclide Production Cross Section Ratio 357.7 %



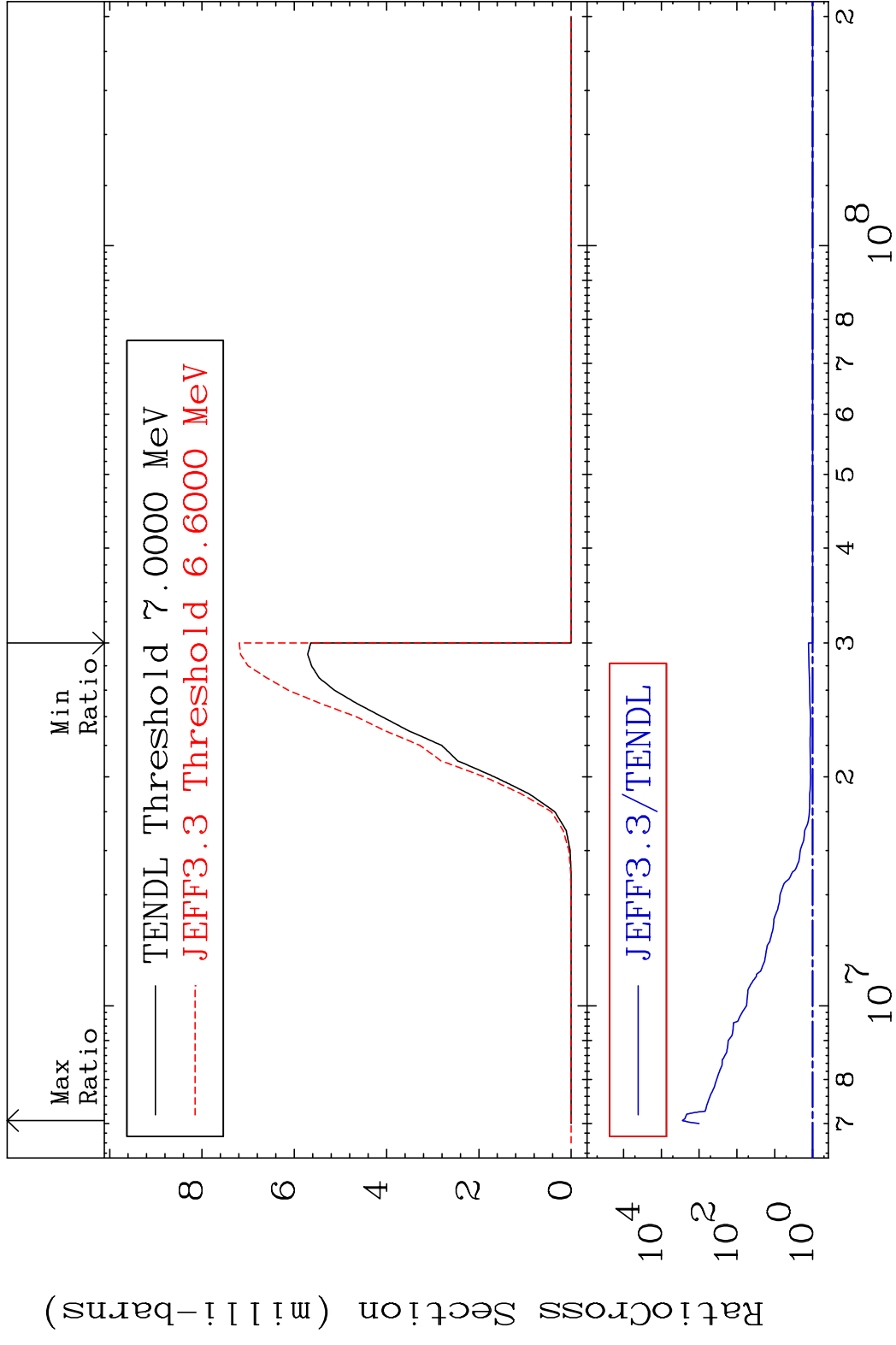
MAT 5534 (n, 3n):55-Cs-134m3 55-Cs-136
 Radionuclide Production Cross Section Ratio 997.8 %



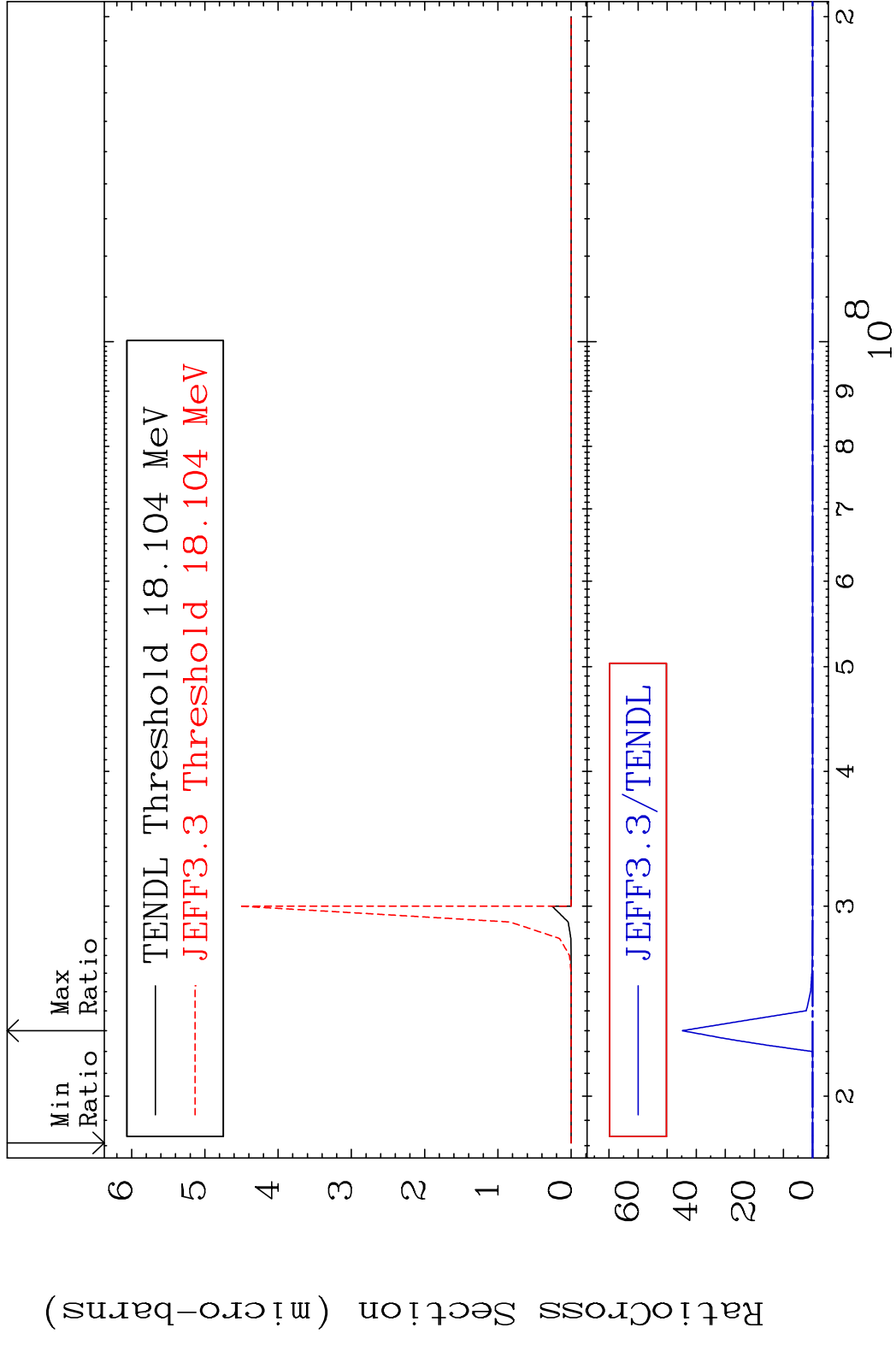
MAT 5534 (n, n') α :53-I -132g 55-Cs-136
 Radionuclide Production Cross Section to 9999. %

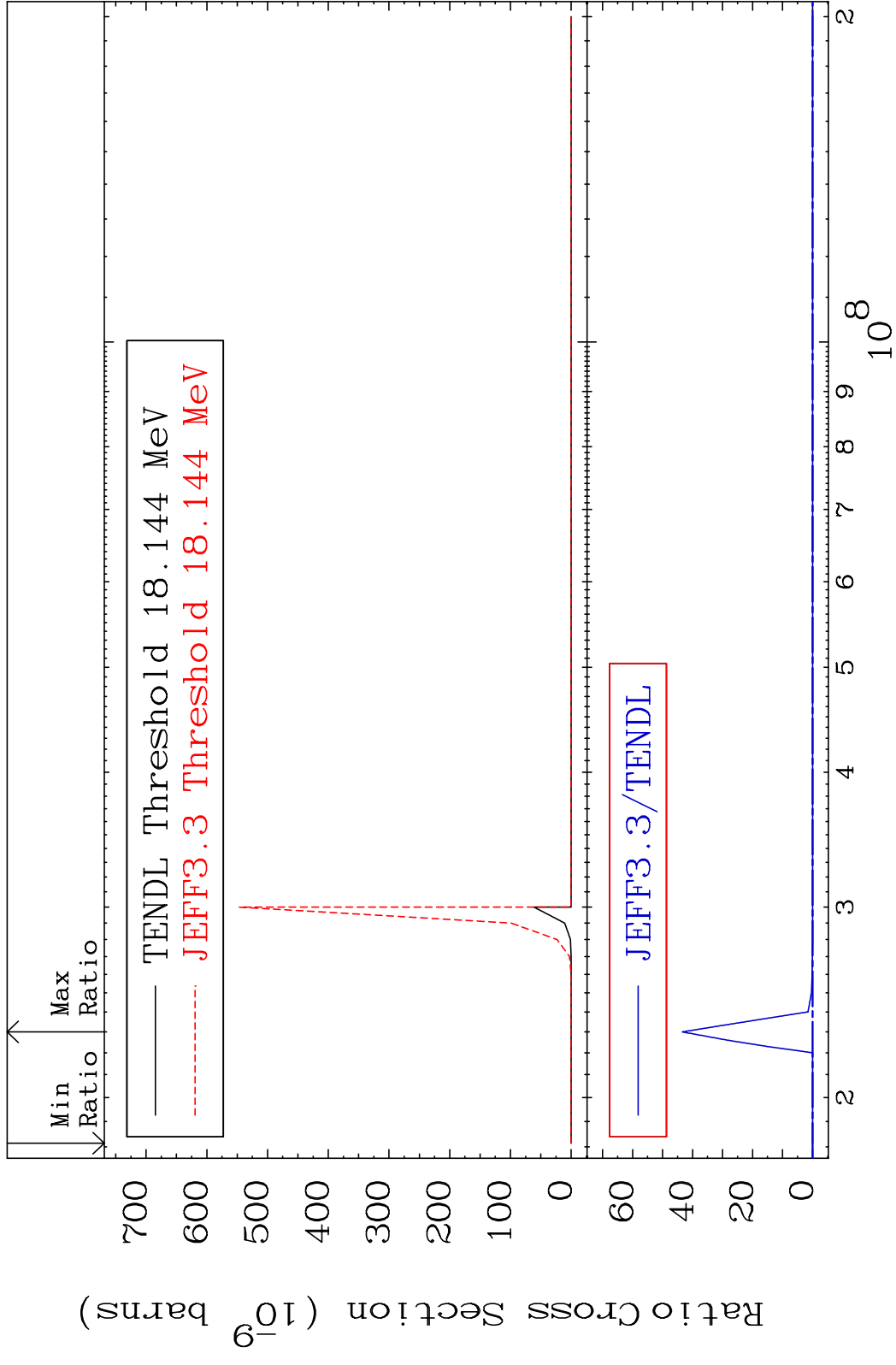


MAT 5534 (n, n') α :53-I -132m3 55-Cs-136
 Radionuclide Production Cross Section 9999. %

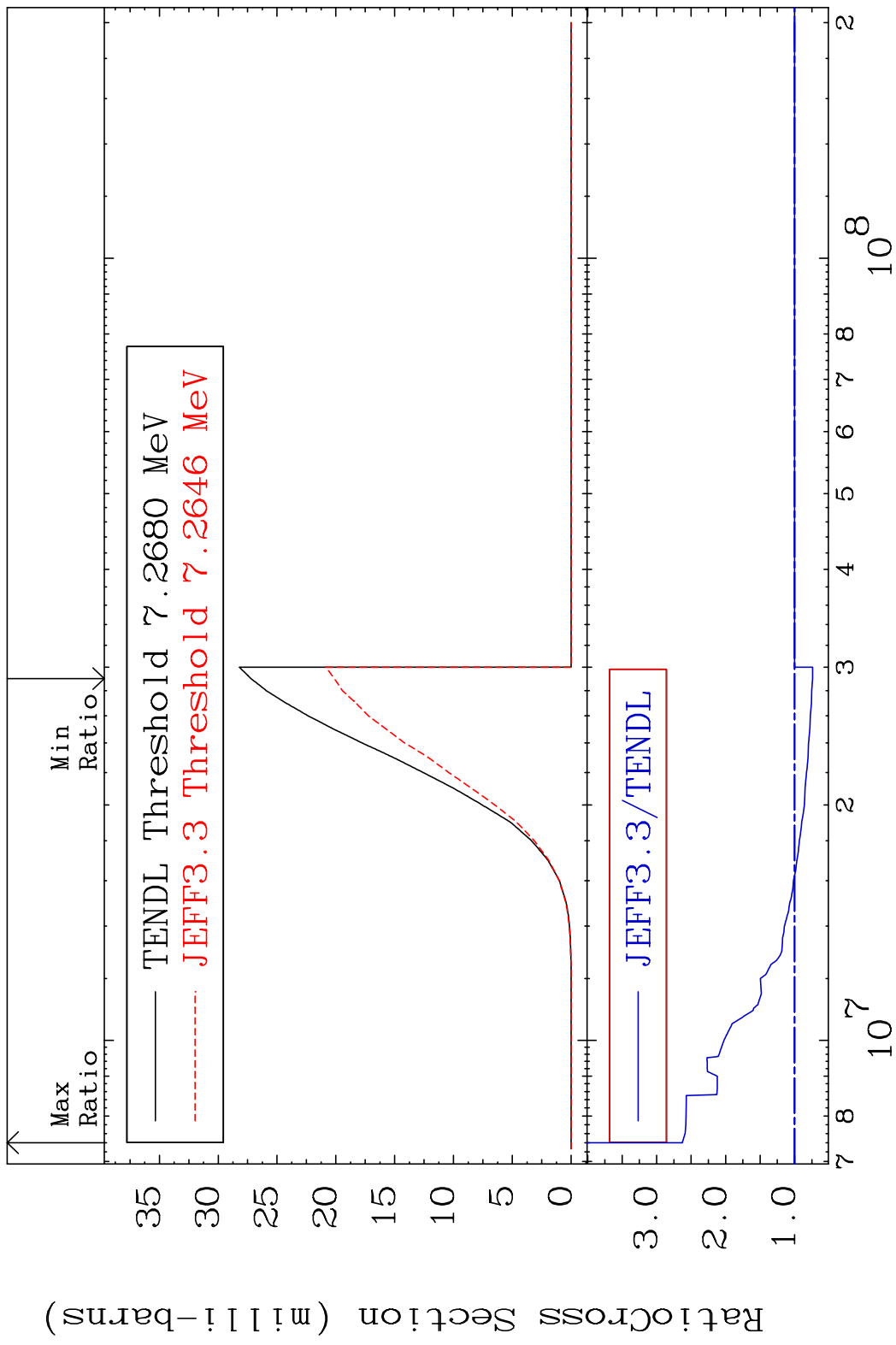


MAT 5534 (n,3n) α :53-I -130g 55-Cs-136
 Radionuclide Production Cross Section Ratio 9999. %

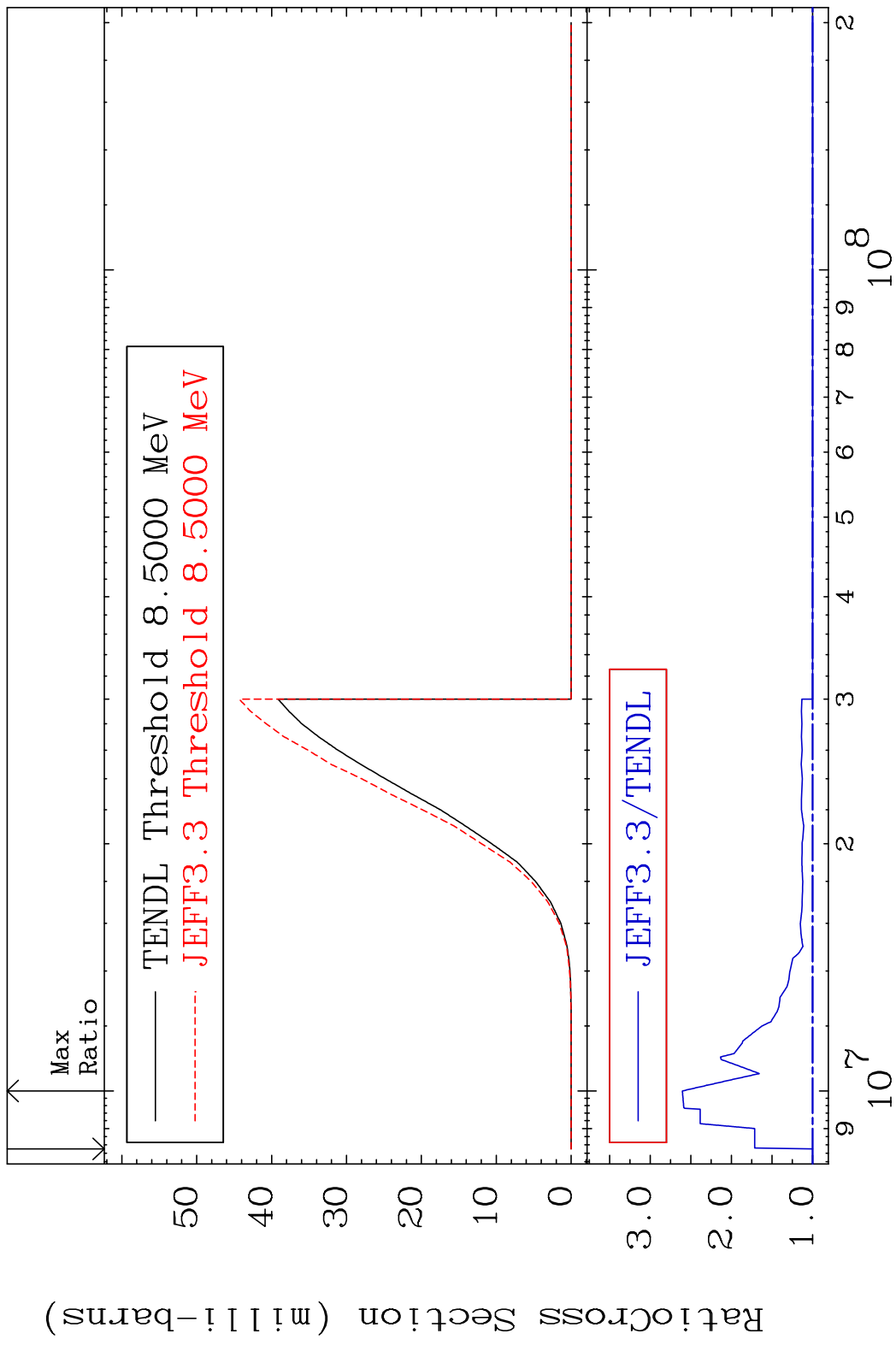




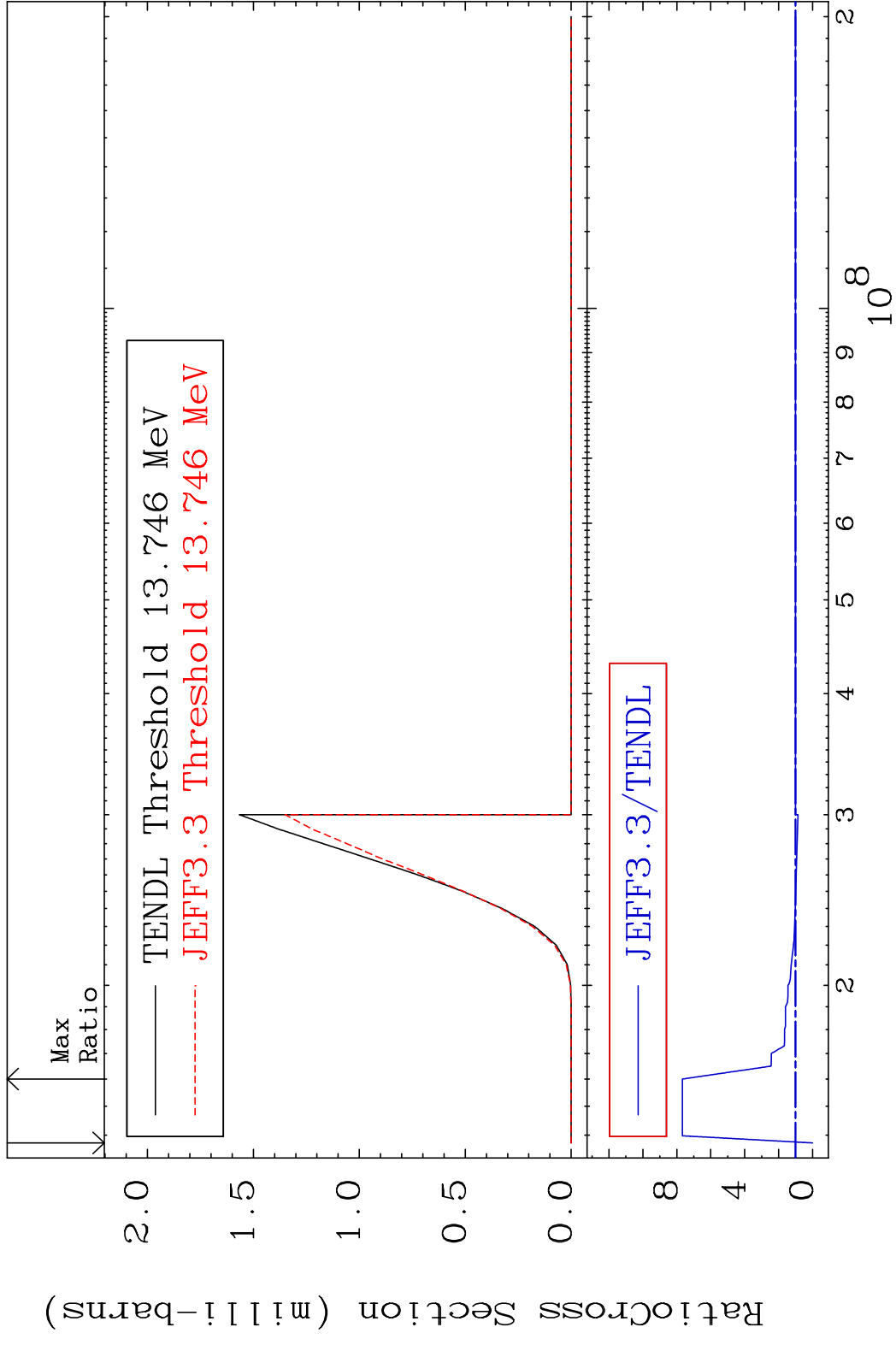
MAT 5534 (n, n') p:54-Xe-135g 55-Cs-136
 Radionuclide Production Cross Section 162.7 %



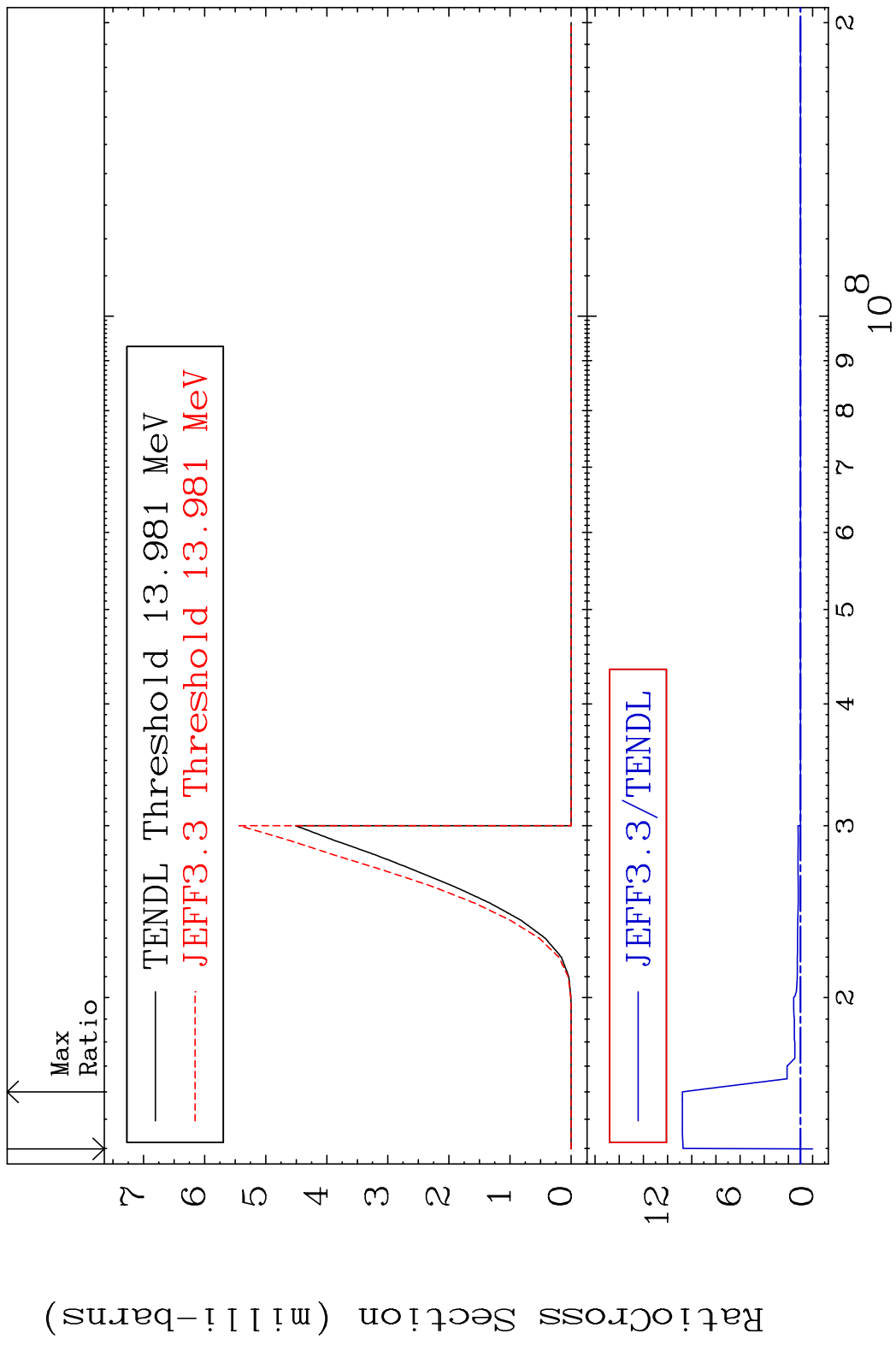
MAT 5534 (n, n') p:54-Xe-135m2 55-Cs-136
 Radionuclide Production Cross Section 160.4 %

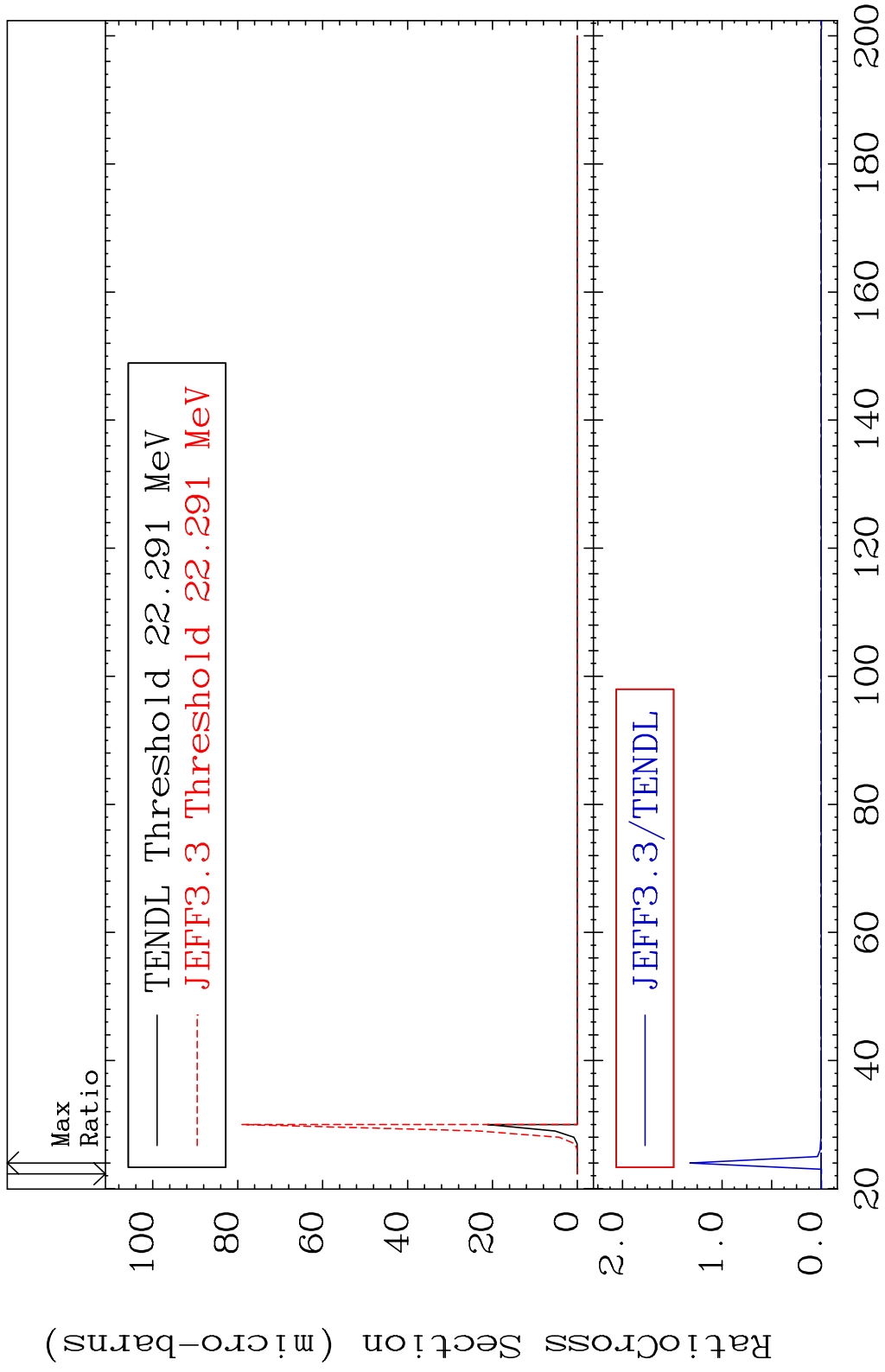


MAT 5534 (n, n') t:54-Xe-133g 55-Cs-136
 Radionuclide Production Cross Section Ratio 667.4 %

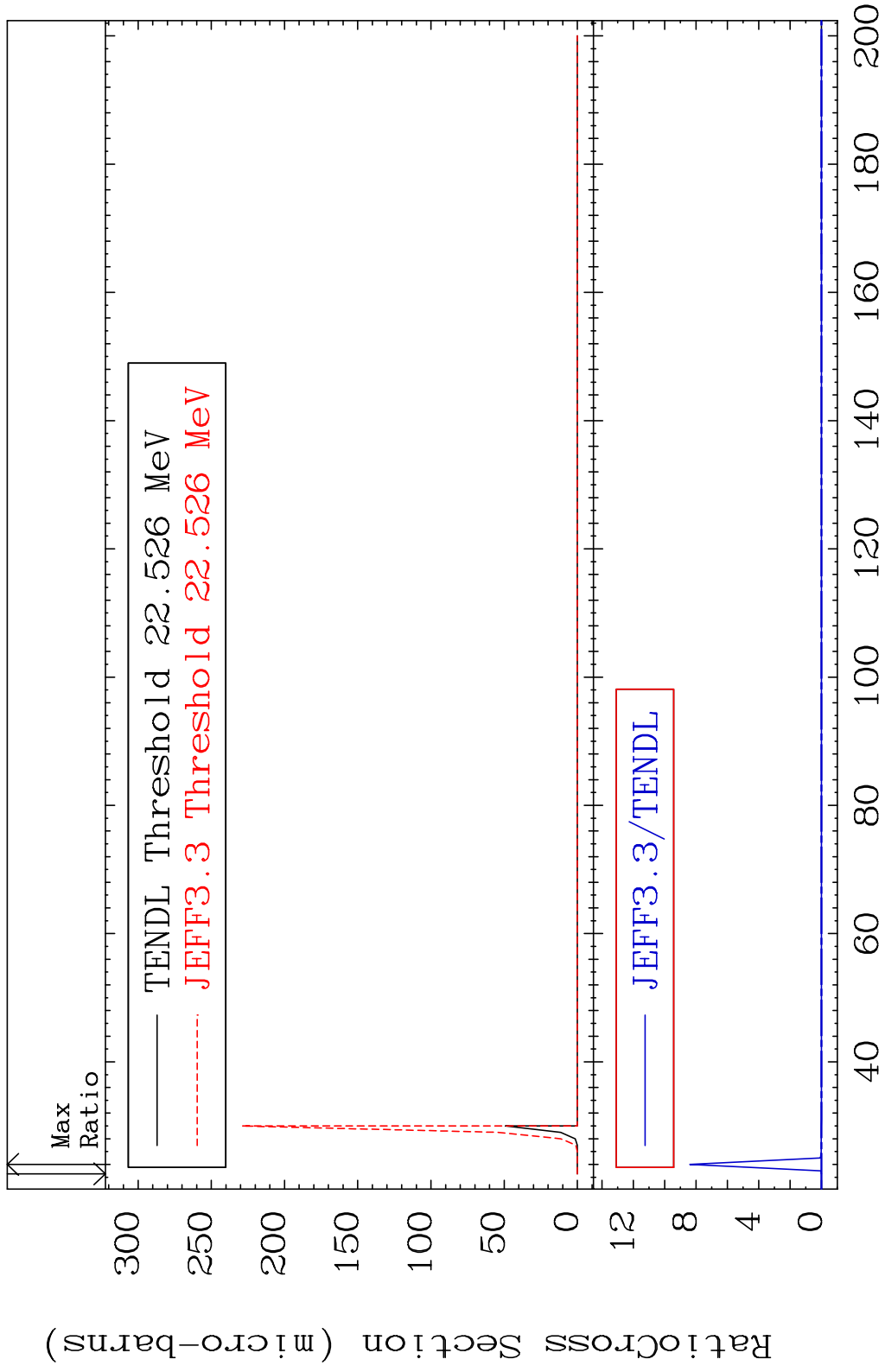


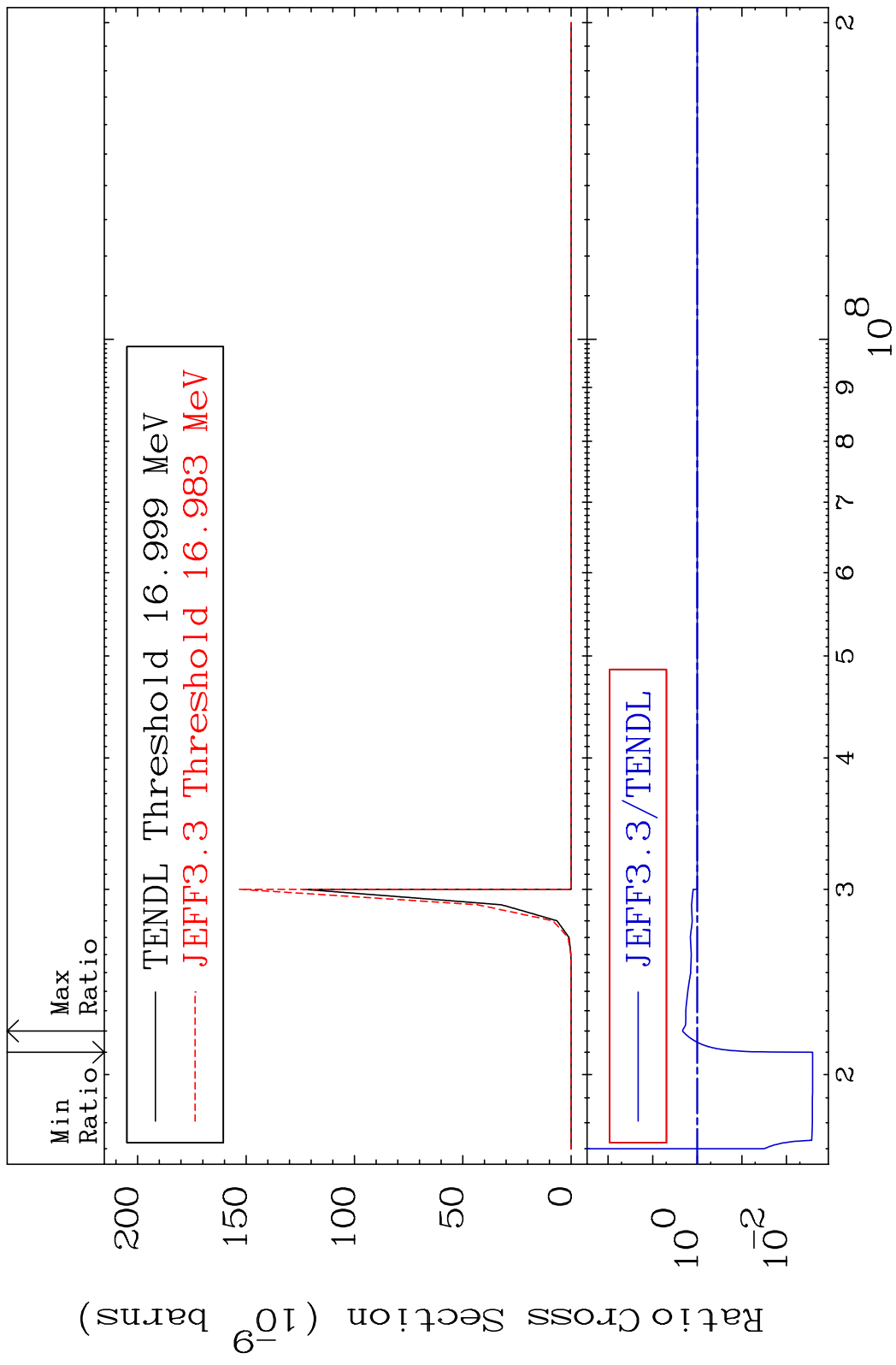
MAT 5534 (n, n') t:54-Xe-133m1 55-Cs-136
 Radionuclide Production Cross Section Ratio 977.0 %

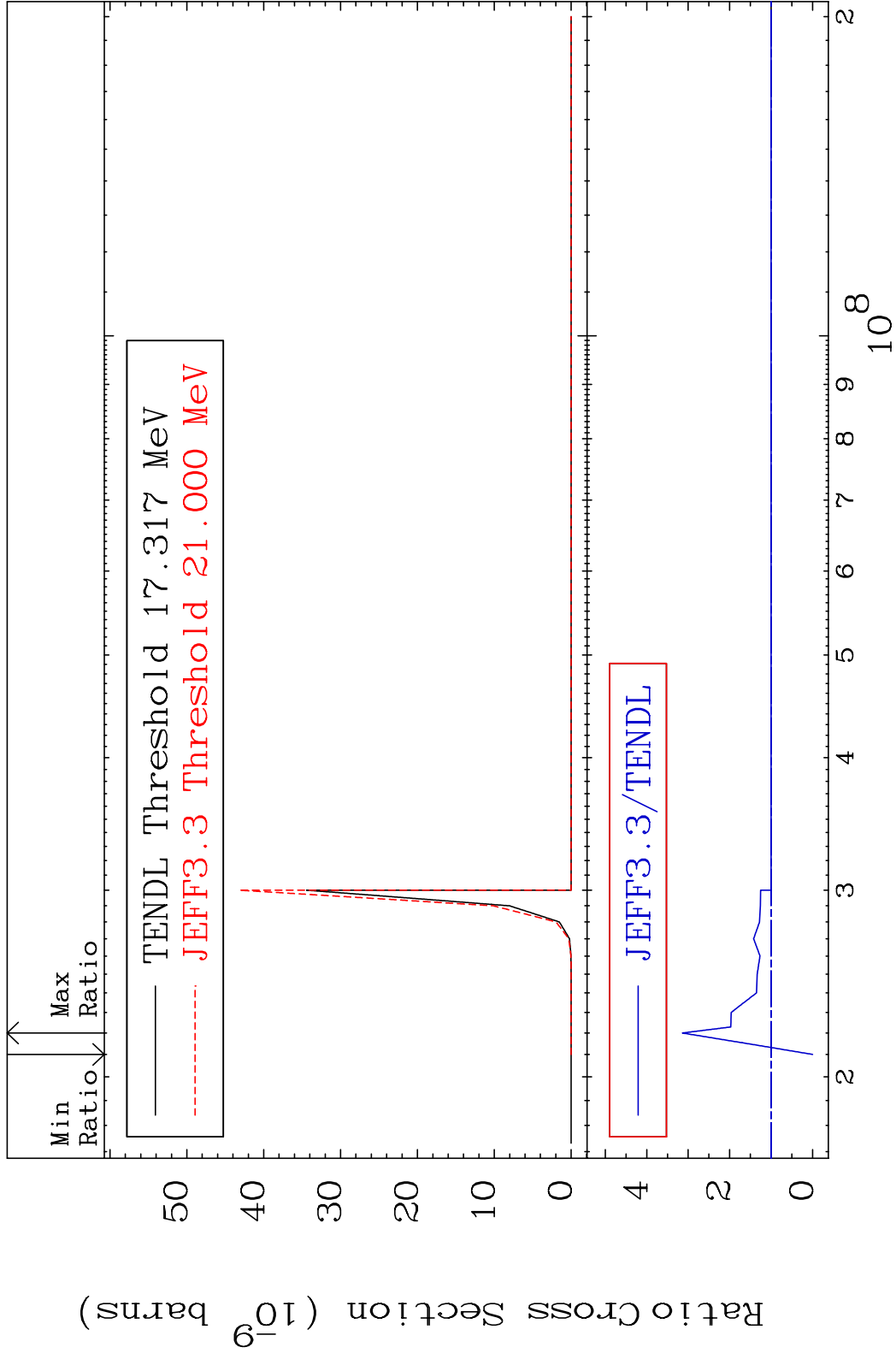


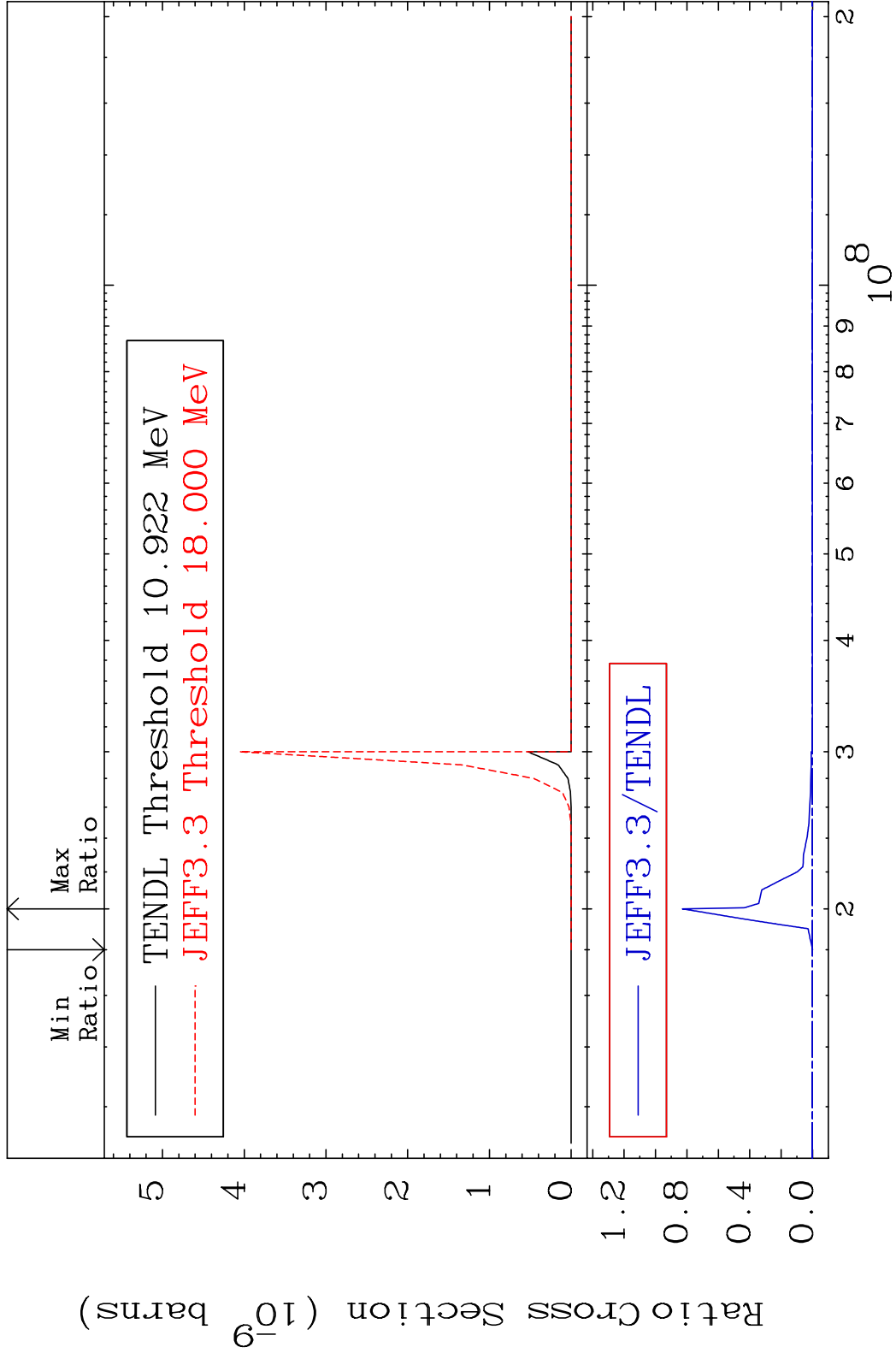


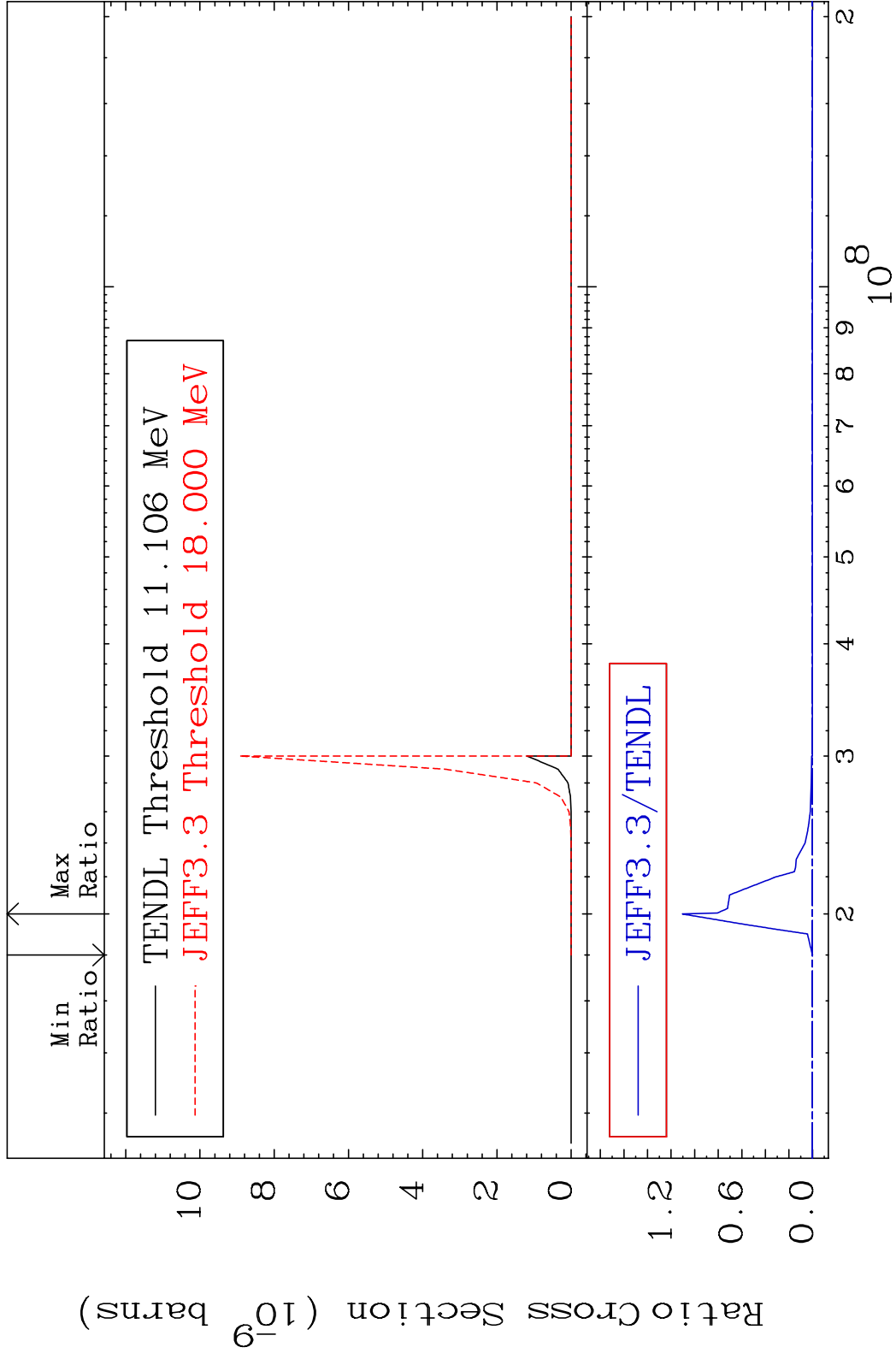
MAT 5534 (n,3n) p:54-Xe-133m1 55-Cs-136
 Radionuclide Production Cross Section (%) 9999. %



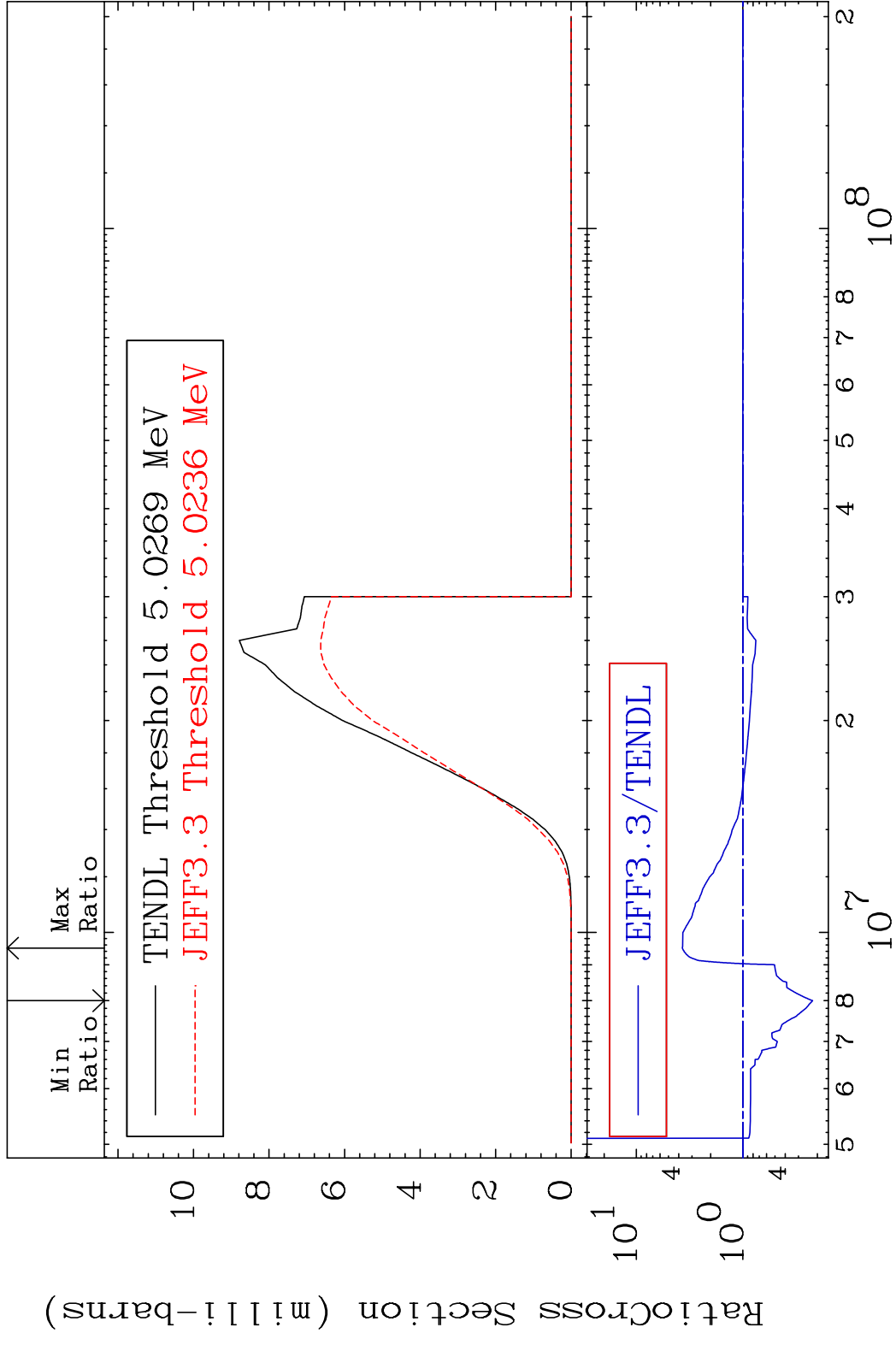




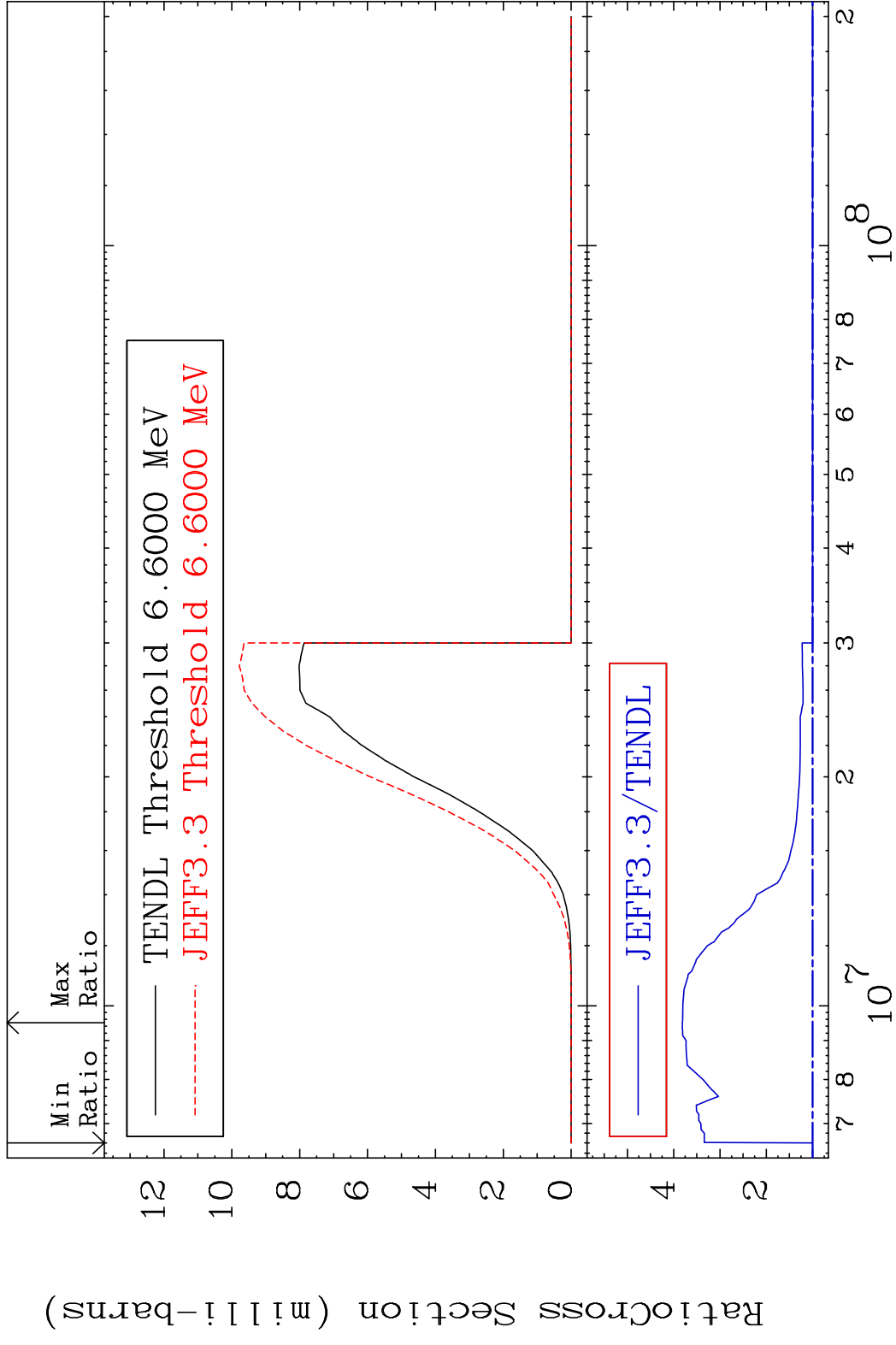




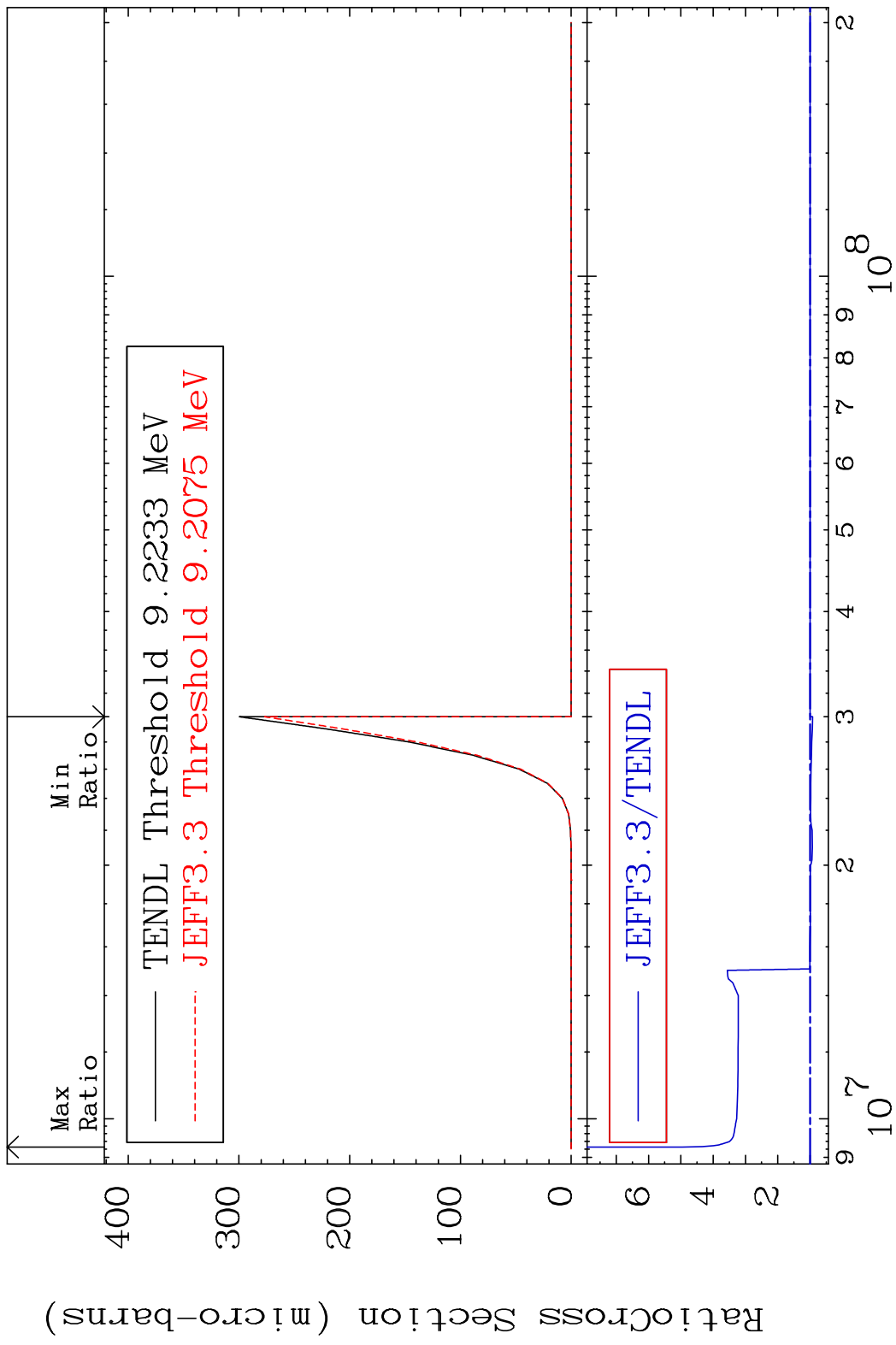
MAT 5534 (n, d):54-Xe-135g 55-Cs-136
 Radionuclide Production Cross Section 269.6 %



MAT 5534 (n, d):54-Xe-135m2 55-Cs-136
 Radionuclide Production Cross Section 281.2 %

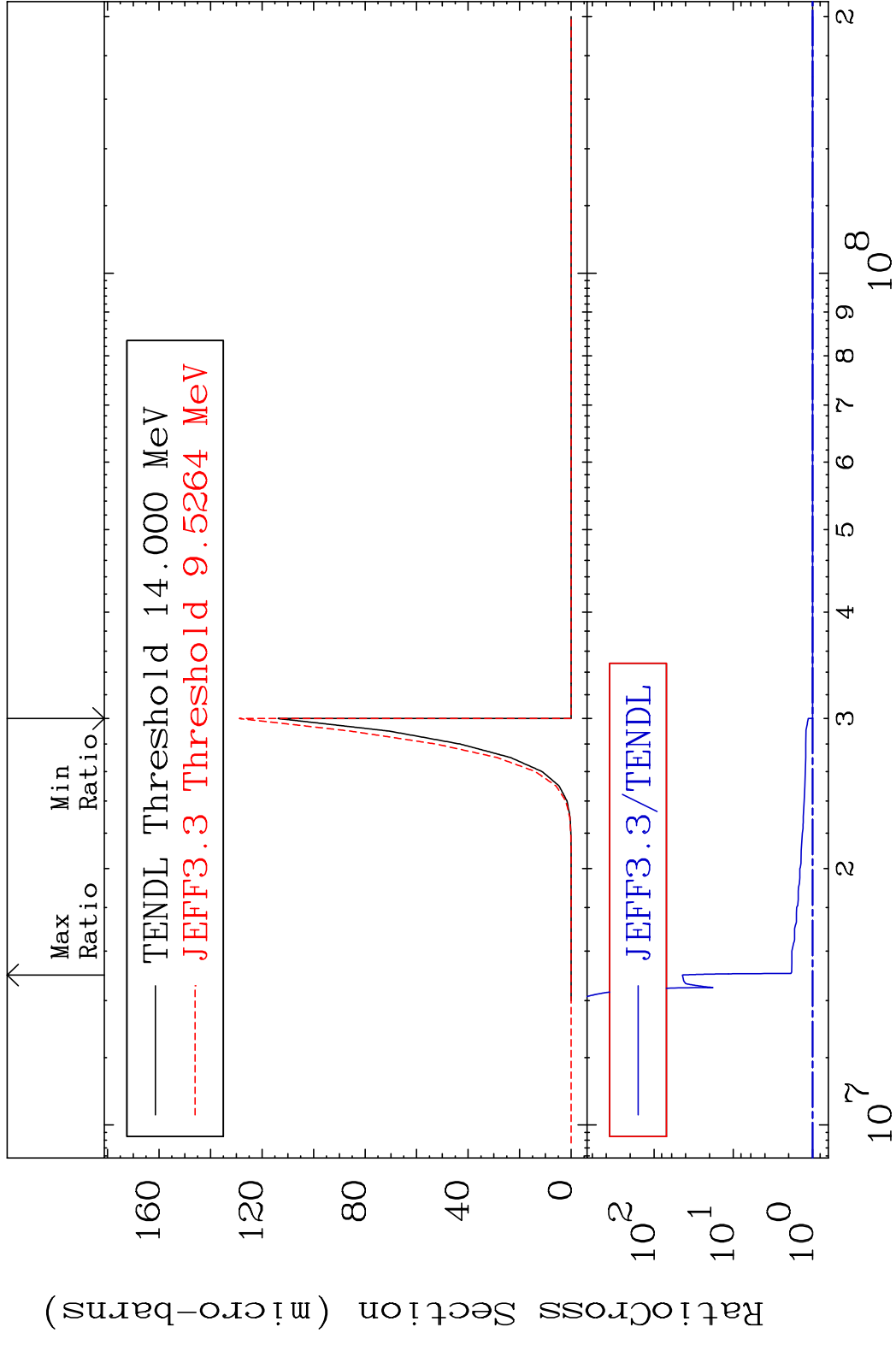


MAT 5534 (n, He-3):53-I -134g 55-Cs-136
 Radionuclide Production Cross Section 395.4 %

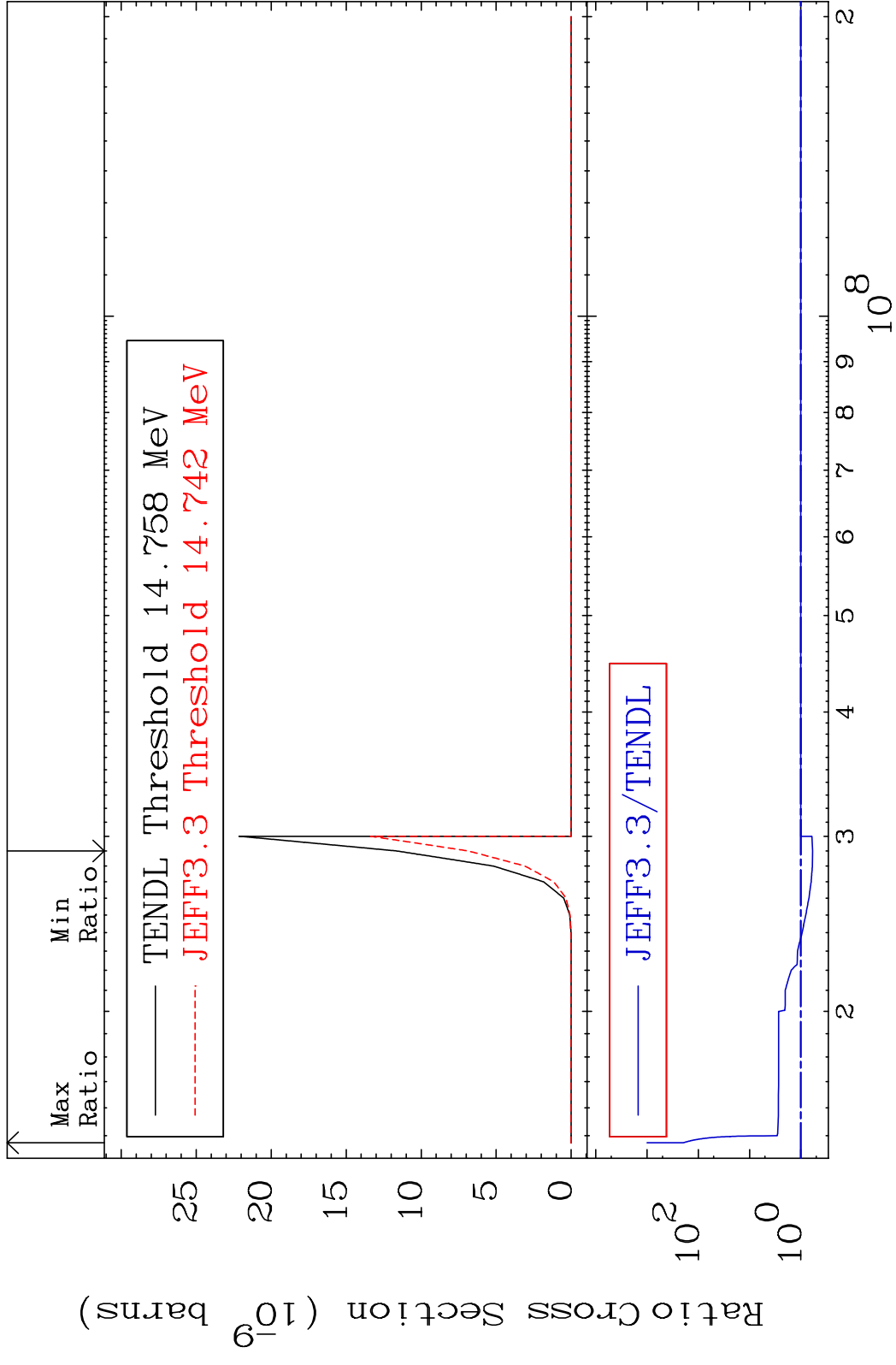


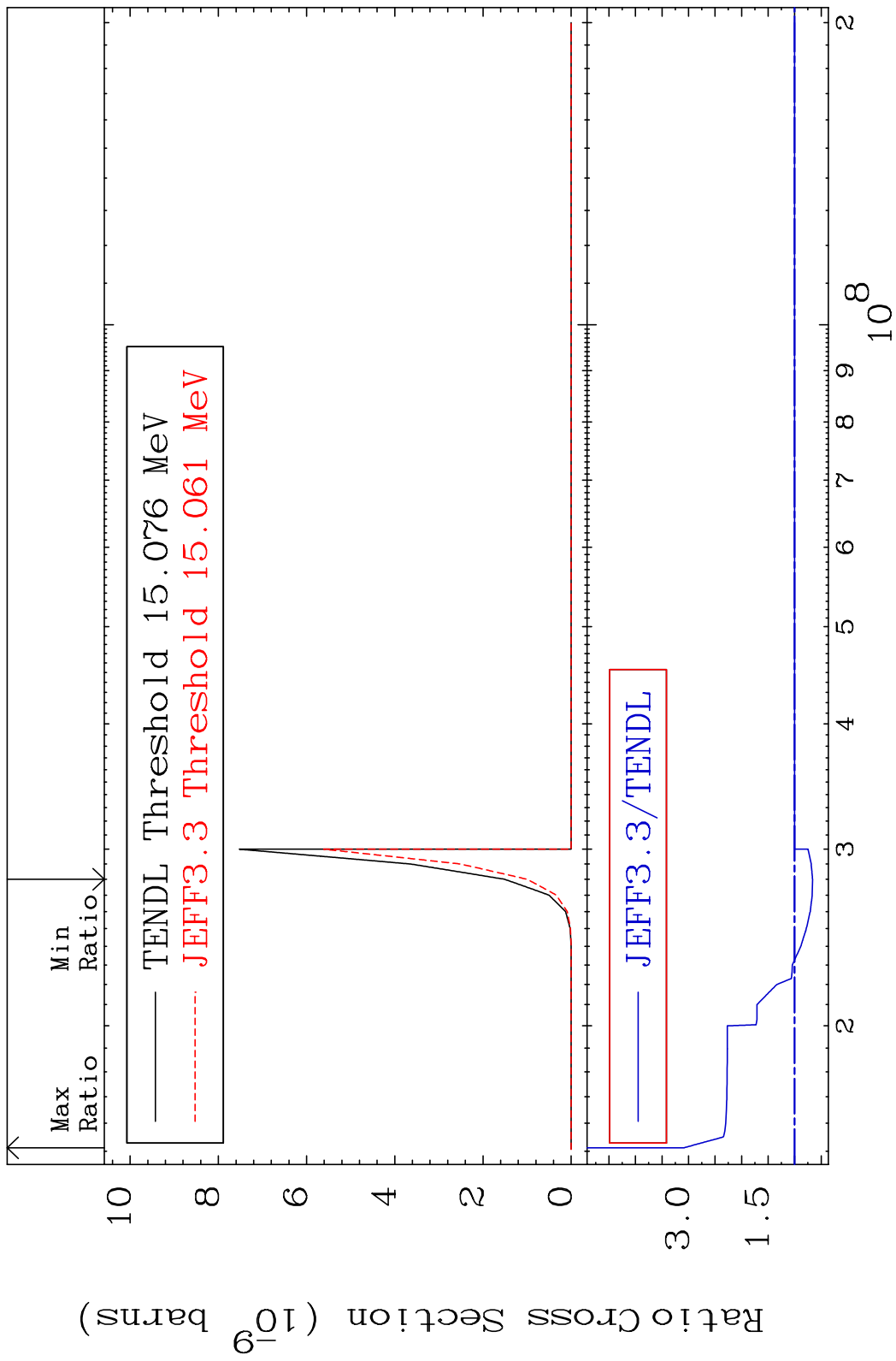
89 55-Cs-136

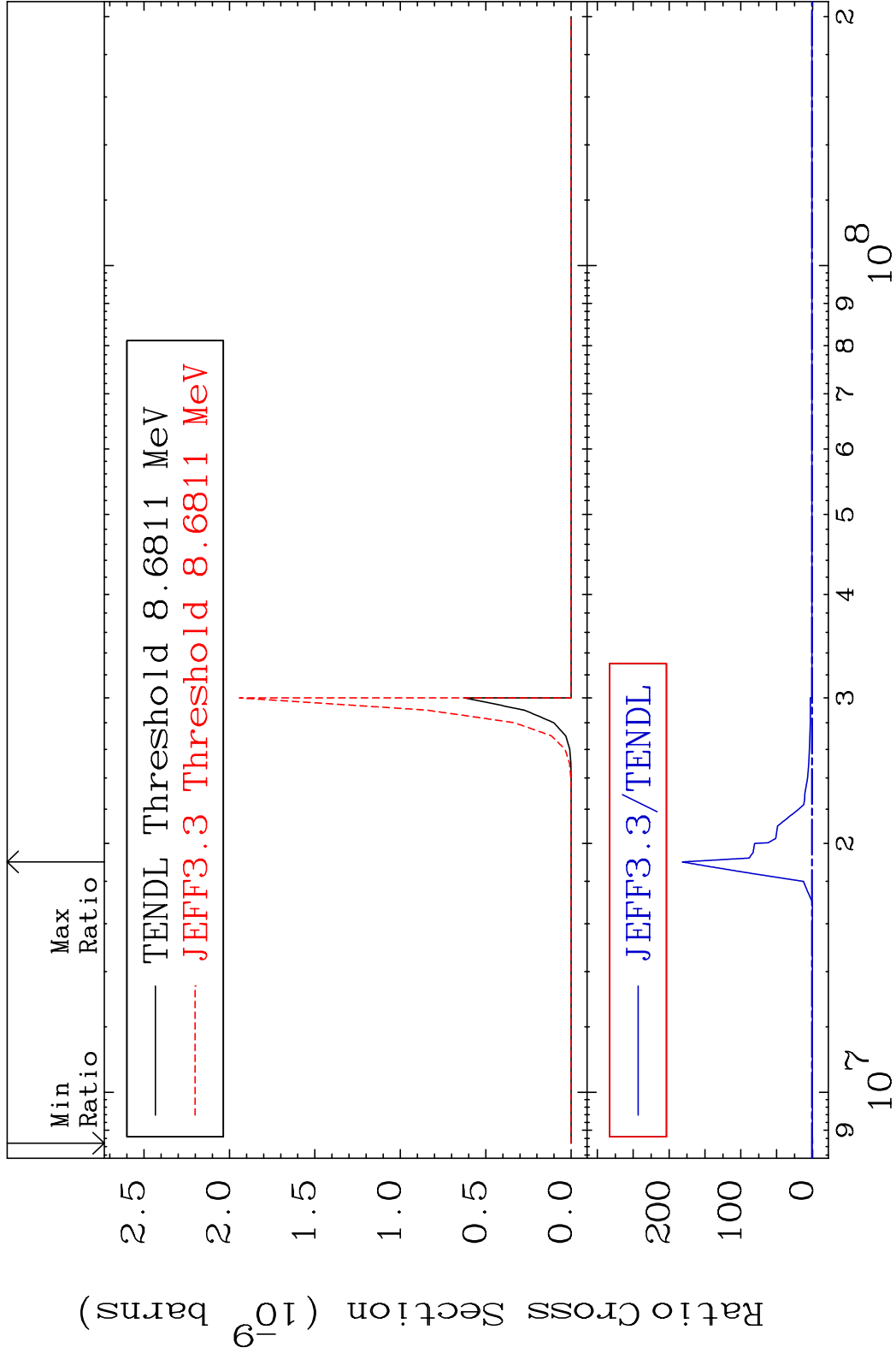
MAT 5534 (n, He-3):53-I -134m5 55-Cs-136
 Radionuclide Production Cross Section 4294. %



90 55-Cs-136







MAT 5534 (n,d) α :52-Te-131m1 55-Cs-136
 Radionuclide Production Cross Section Ratio 9999. %

