

Program Complot
(Version 2021-1)

by

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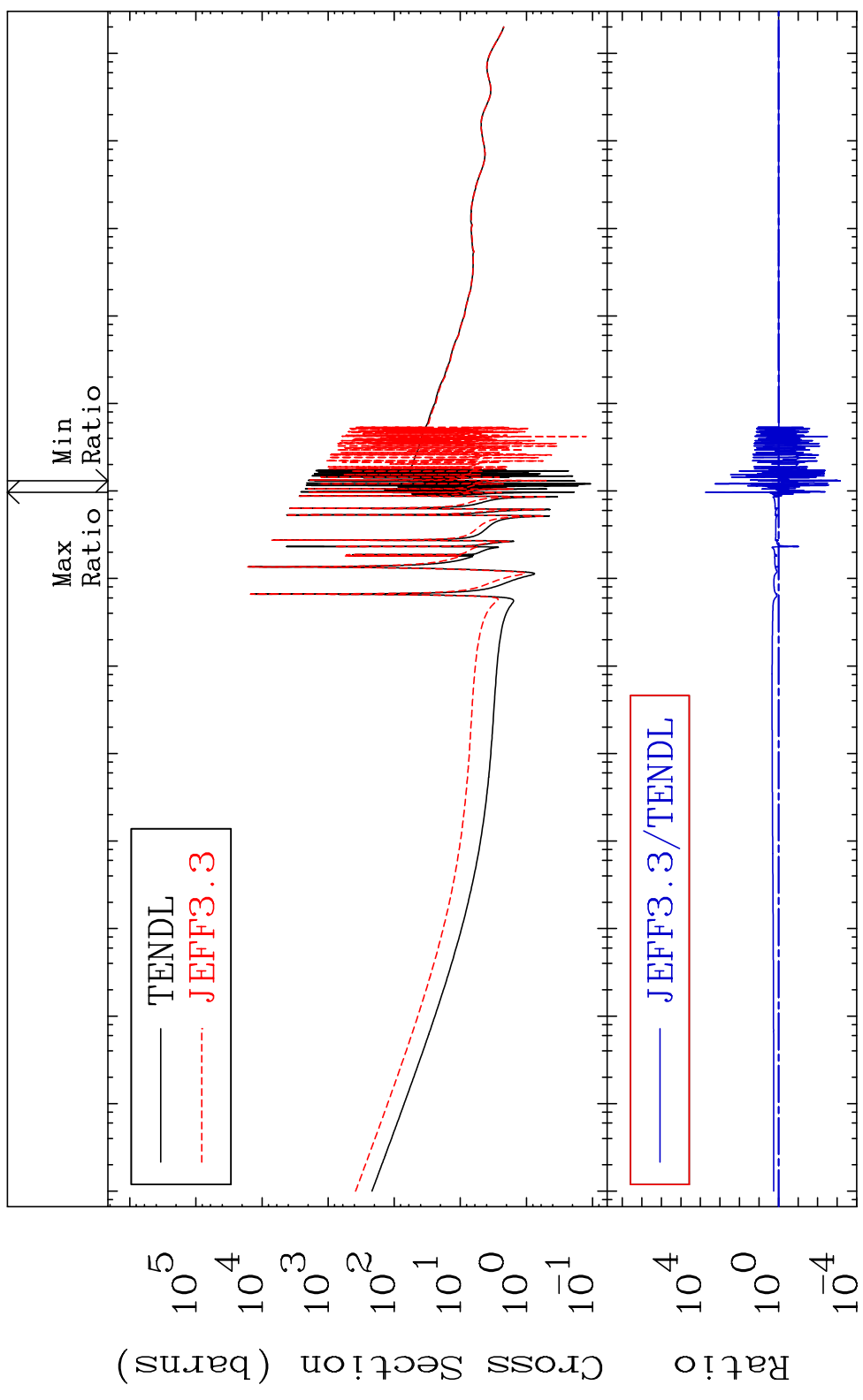
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5825

Total 58-Ce-136
Cross Section -99.93 To 9999. %



1

Incident Energy (eV)

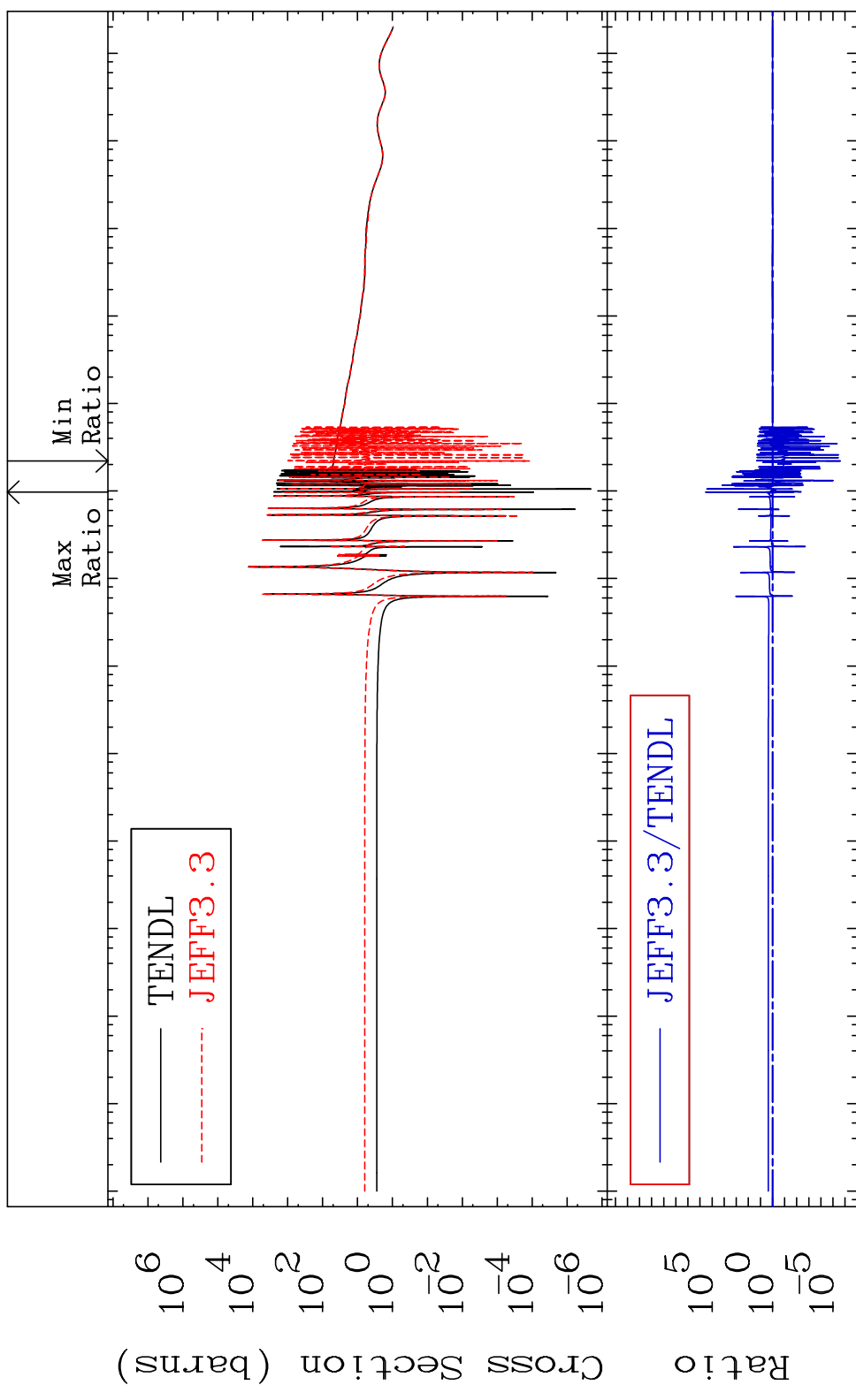
58-Ce-136

MAT 5825

58-Ce-136

Elastic

Cross Section -100.0 To 9999. %

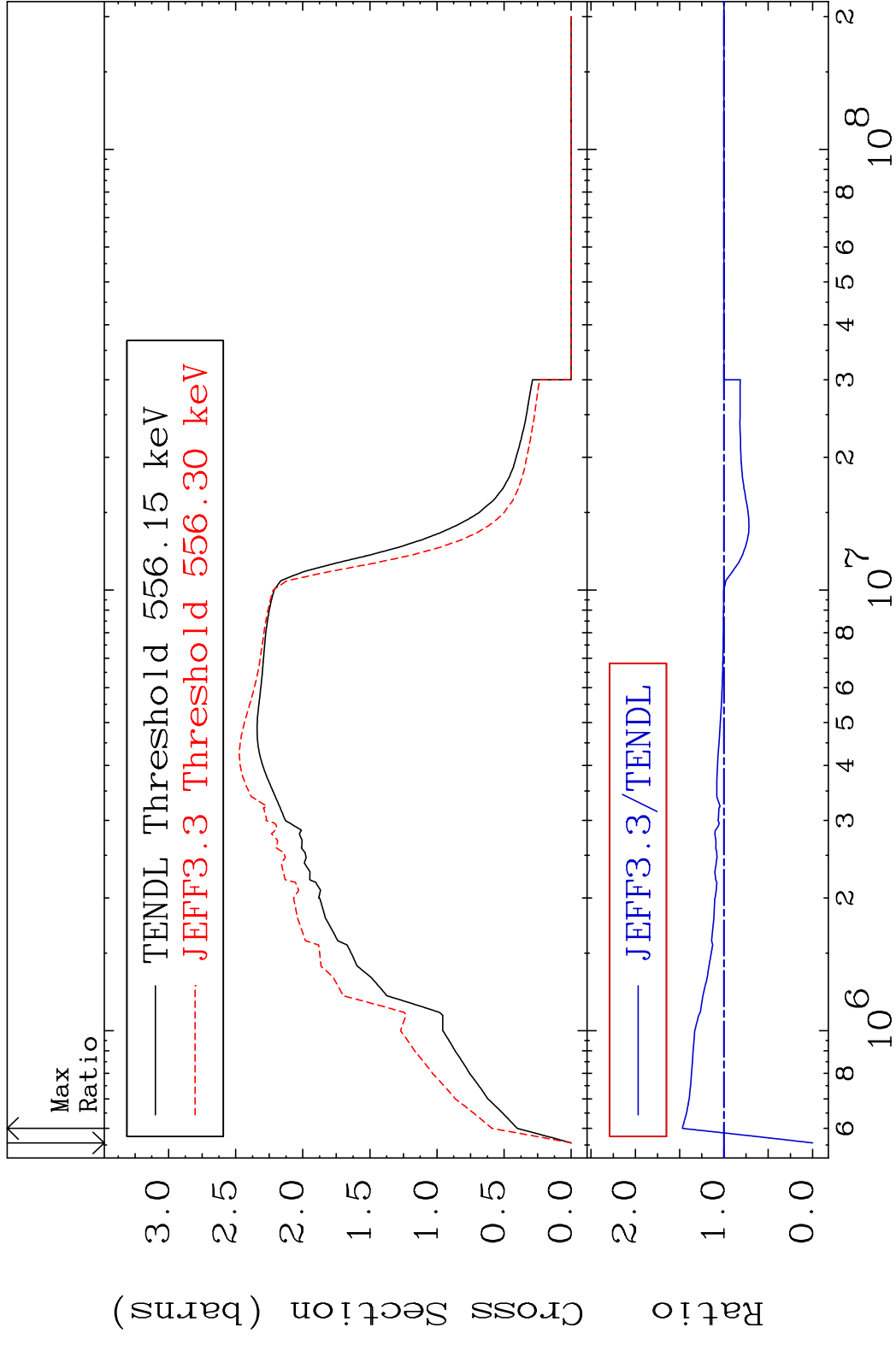


2

Incident Energy (eV)

58-Ce-136

MAT 5825 Inelastic 58-Ce-136
 Cross Section -100.0 To 46.93 %



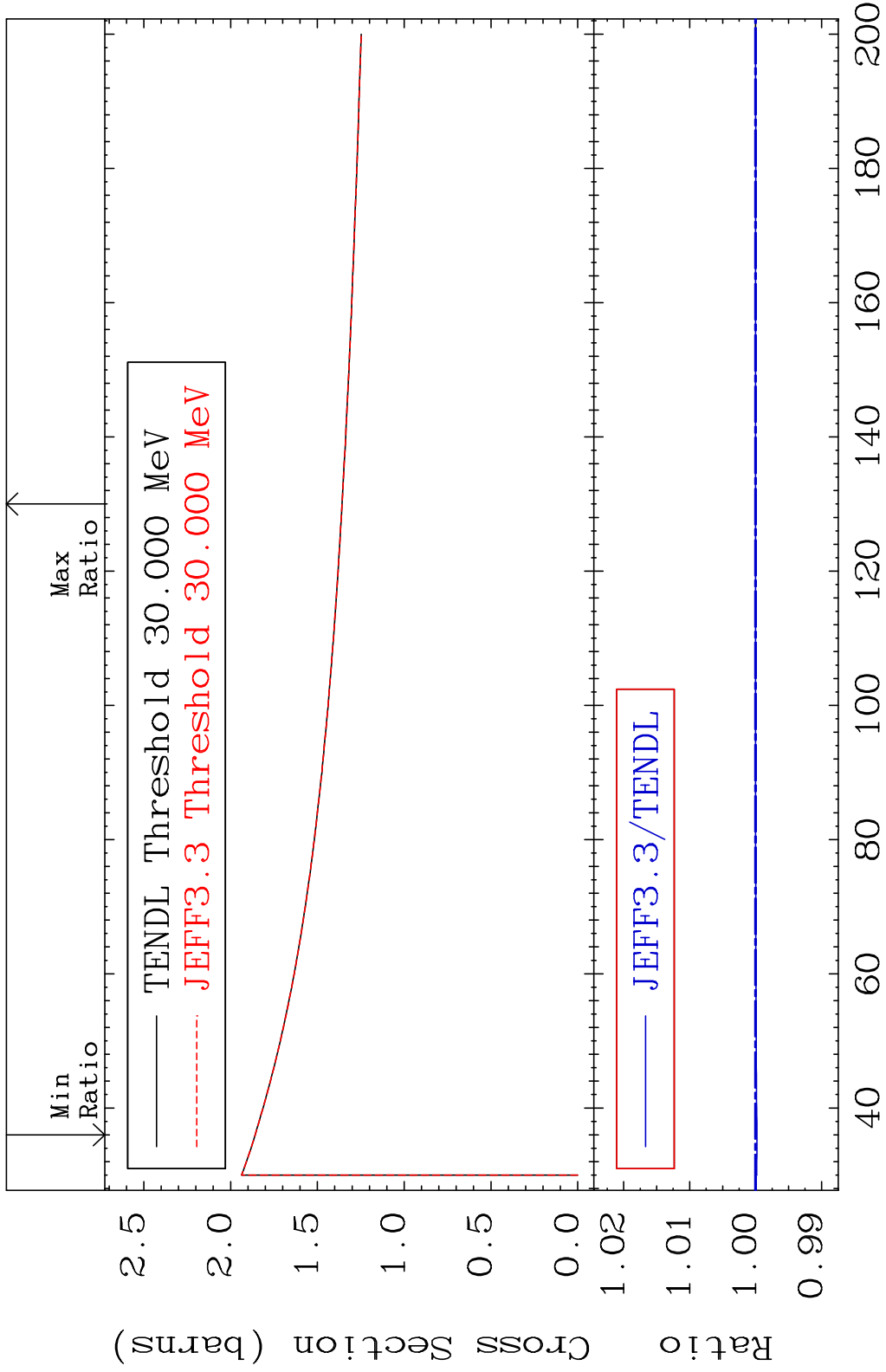
3 Incident Energy (eV) 58-Ce-136

MAT 5825

(n, remainder)

58-Ce-136

Cross Section -0.022 To 0.000 %

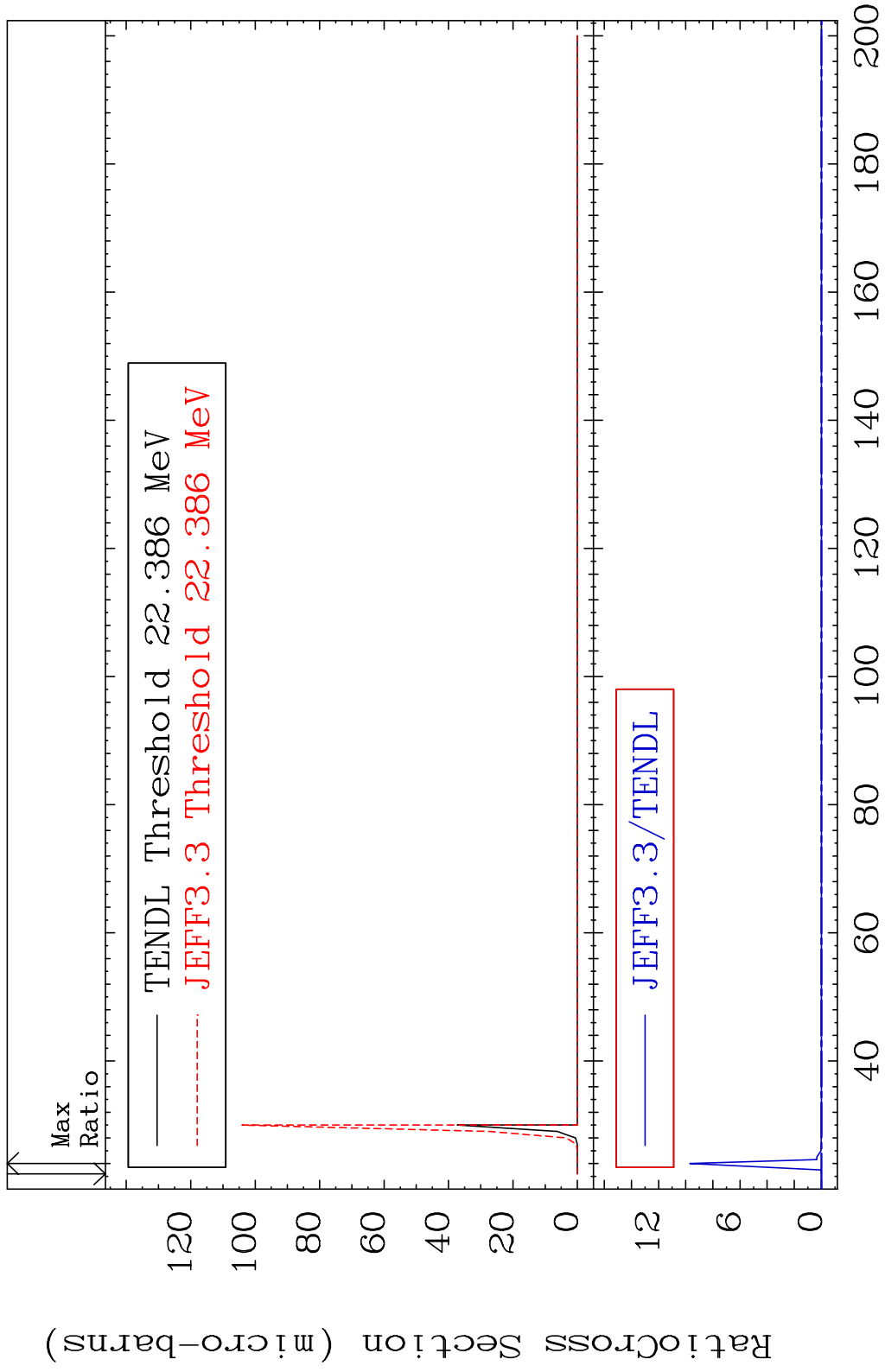


4

Incident Energy (MeV)

58-Ce-136

MAT 5825 (n,2n) d 58-Ce-136
Cross Section -100.0 To 9999. %



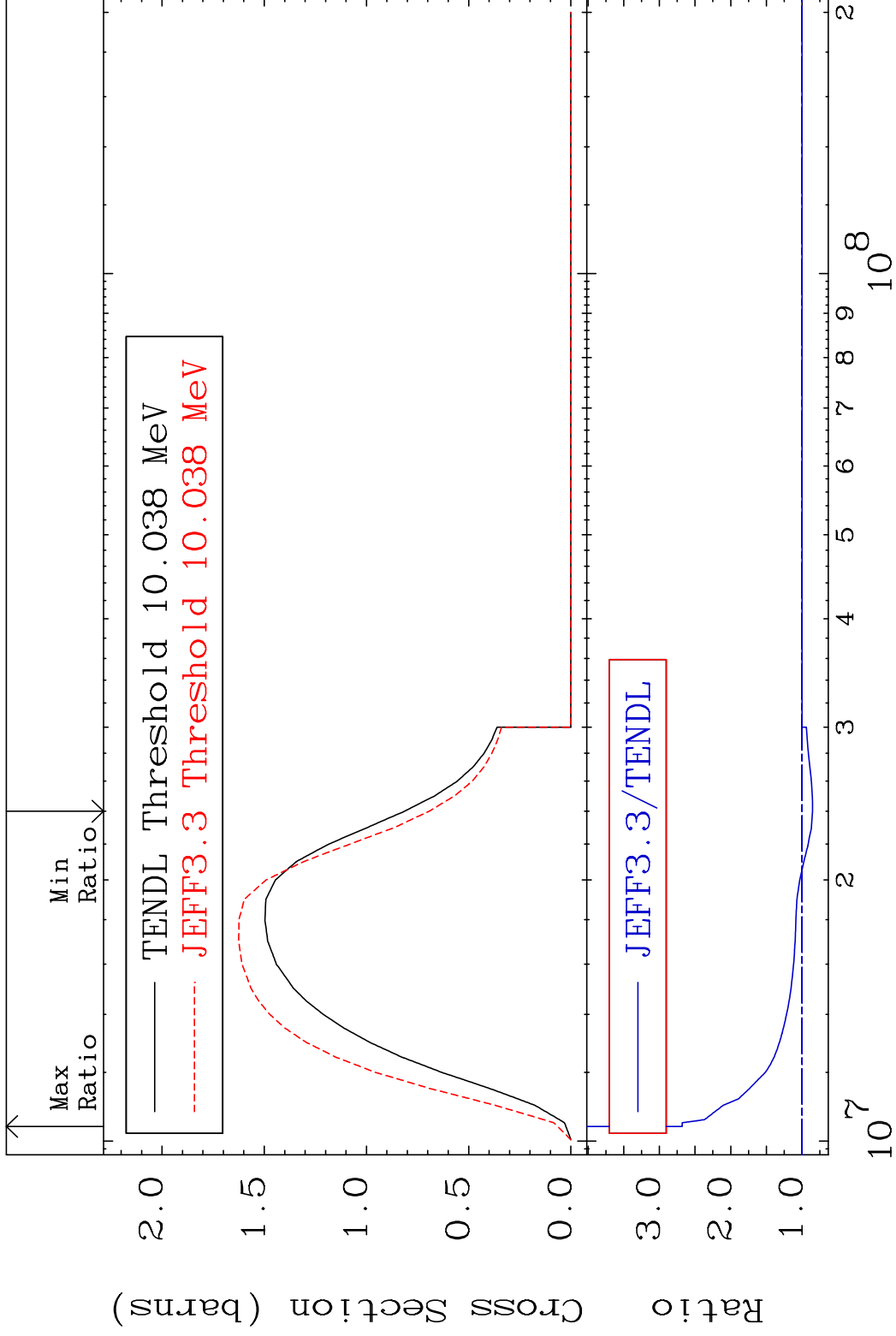
5 Incident Energy (MeV) 58-Ce-136

MAT 5825

(n,2n)

58-Ce-136

Cross Section -14.76 To 168.1 %



6

Incident Energy (eV)

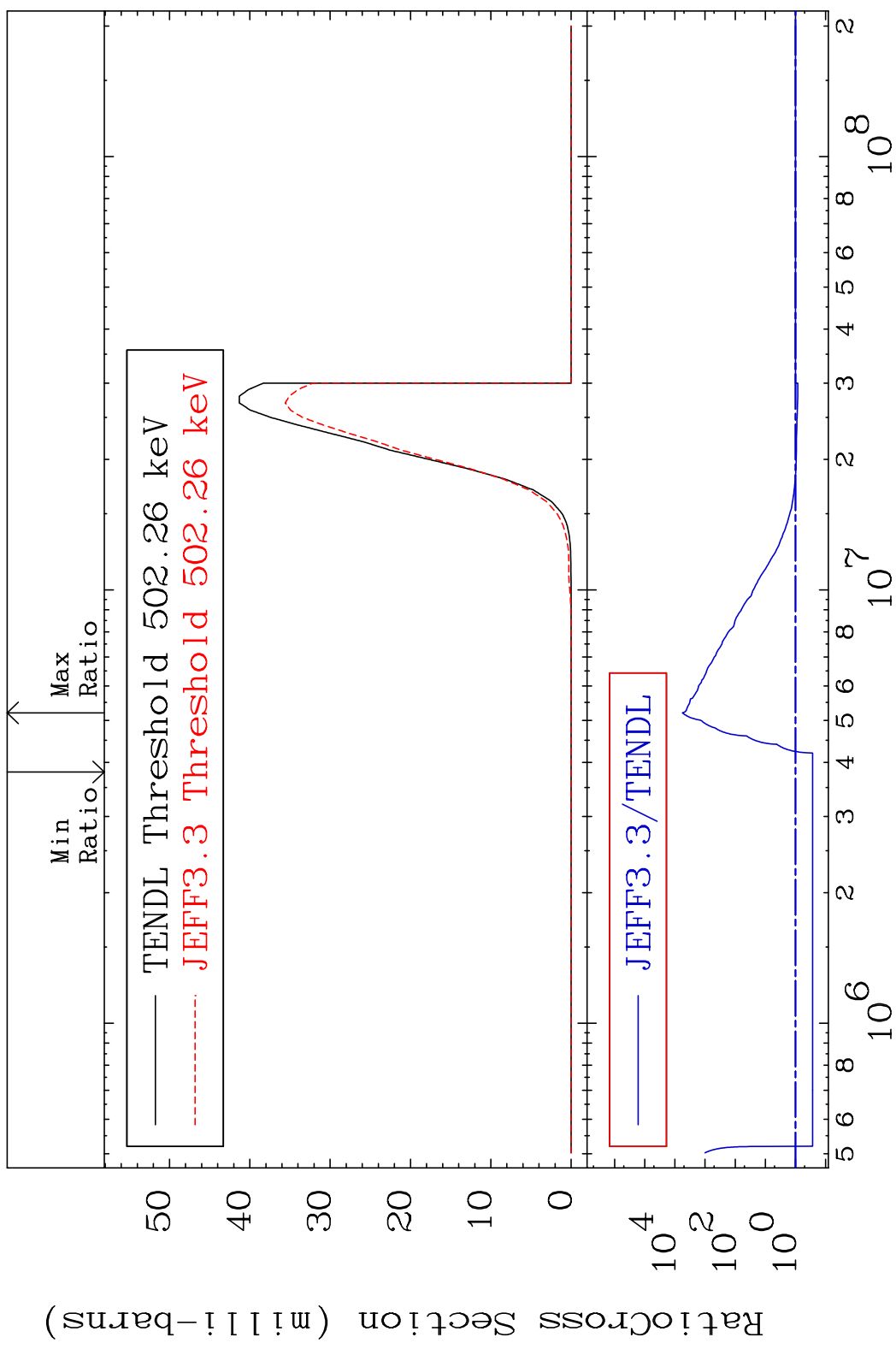
58-Ce-136

MAT 5825

(n, n') α

58-Ce-136

Cross Section -72.71 To 9999. %



8

Incident Energy (eV)

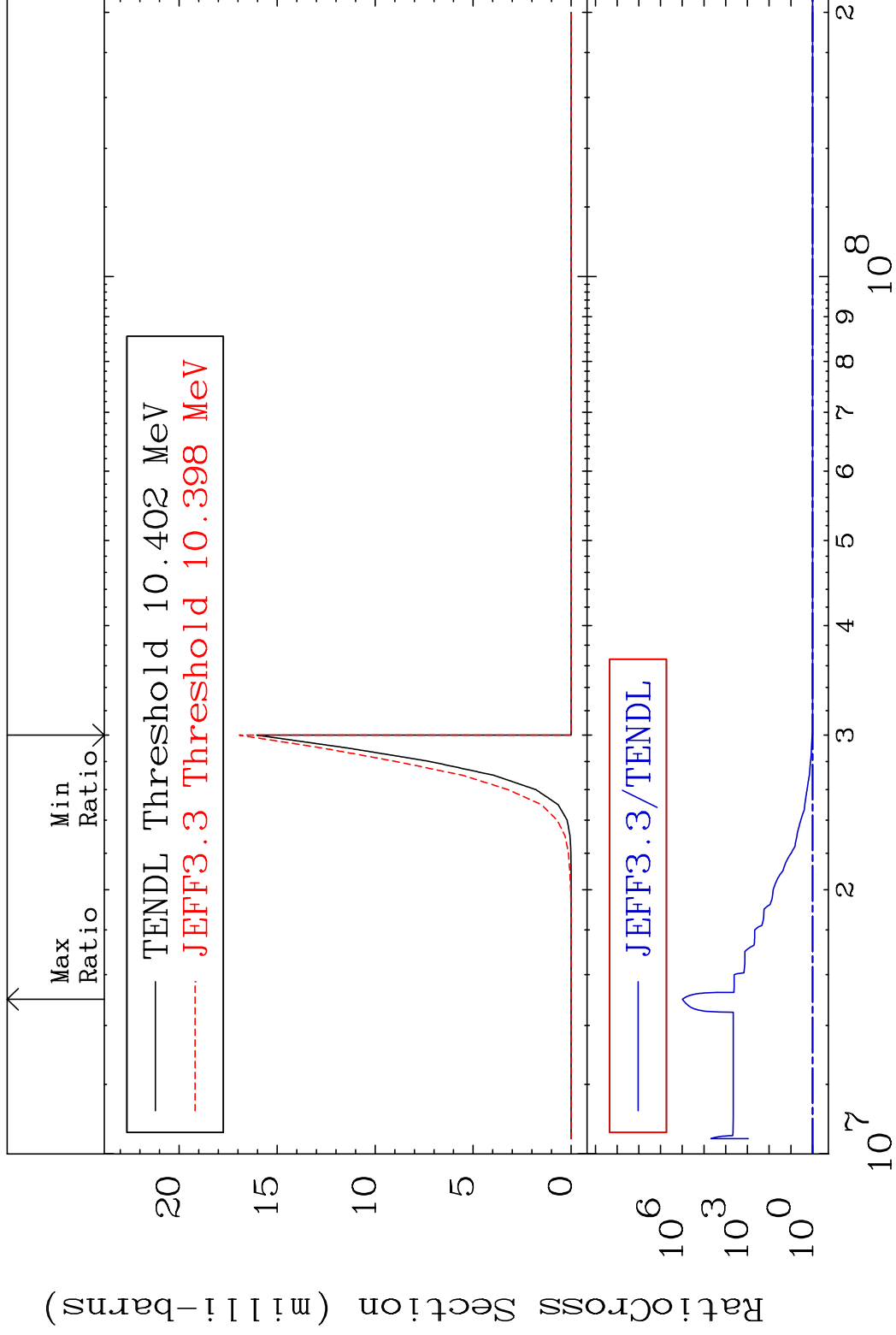
58-Ce-136

MAT 5825

(n,2n) α

58-Ce-136

Cross Section 0.000 To 9999. %

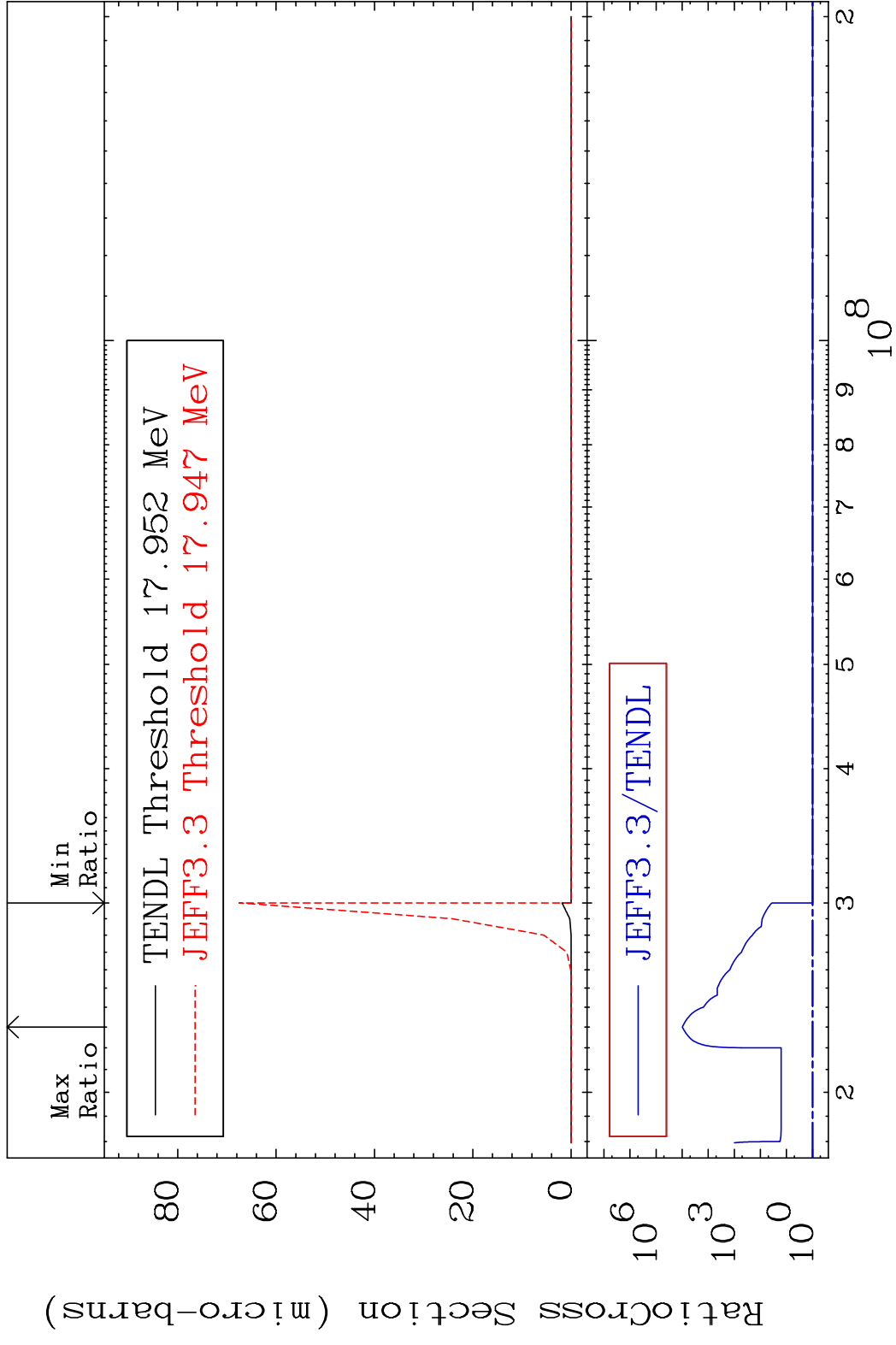


9

Incident Energy (eV)

58-Ce-136

MAT 5825 (n,3n) α 58-Ce-136
 Cross Section 0.000 To 9999. %

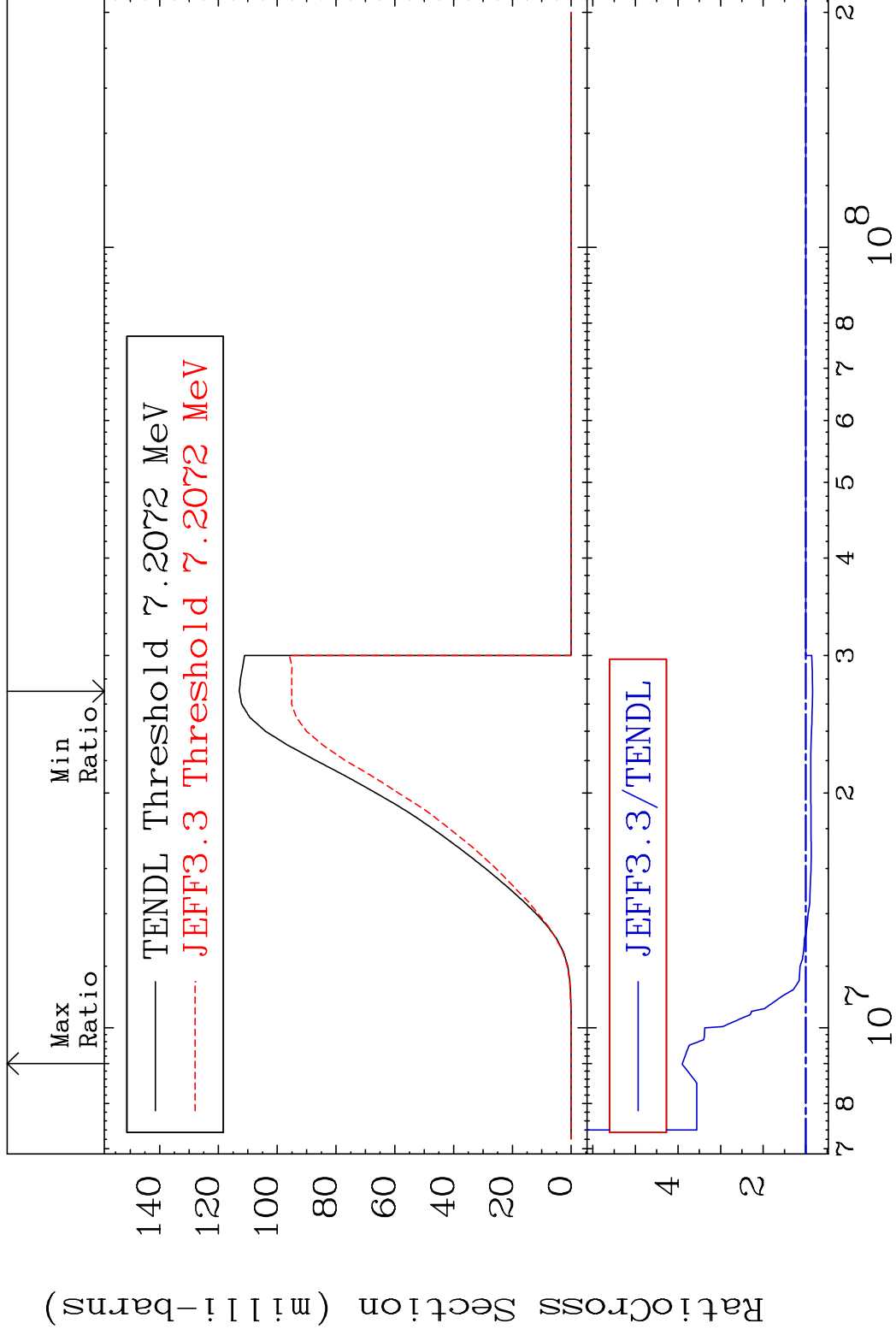


10 Incident Energy (eV) 58-Ce-136

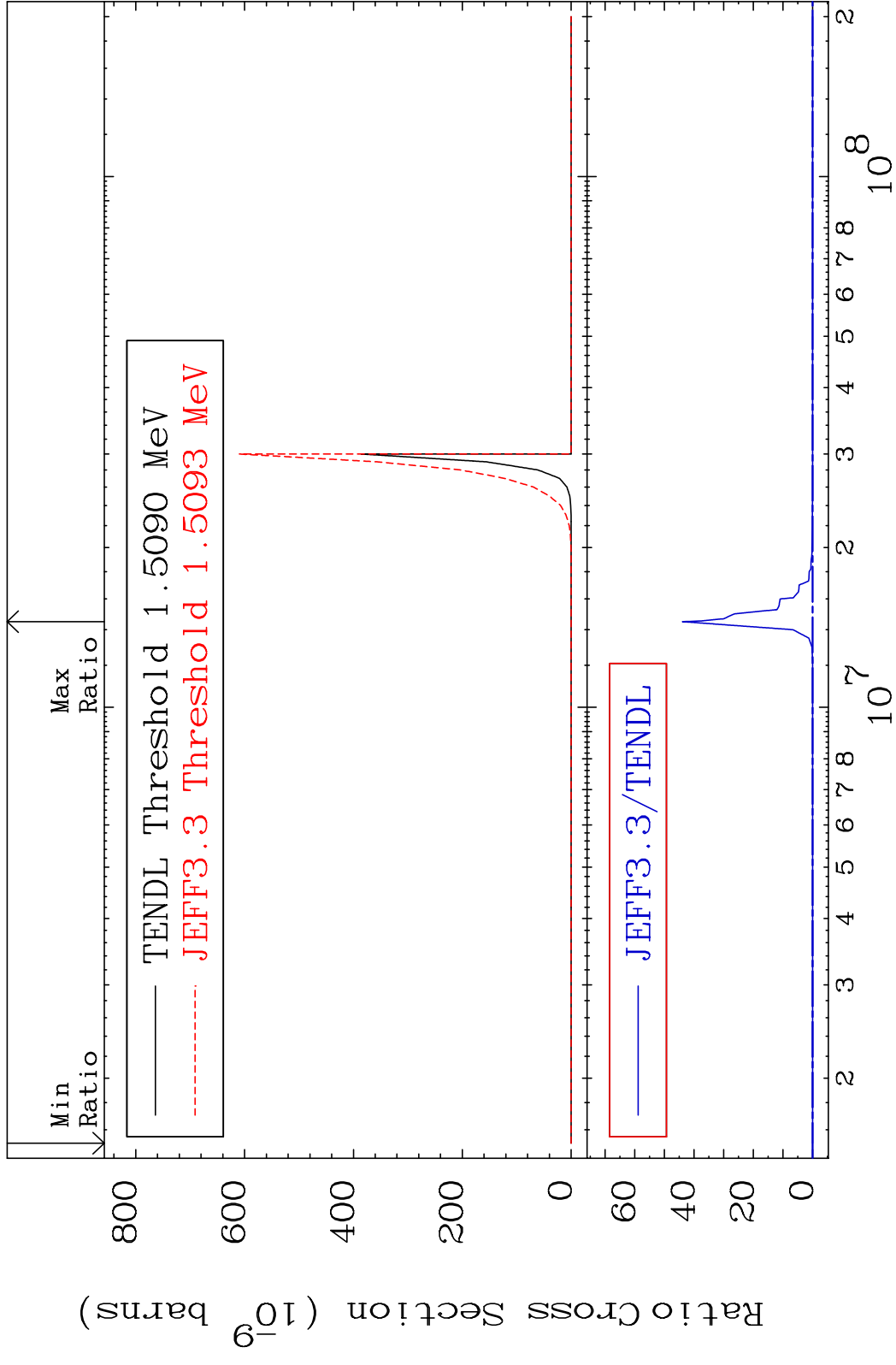
MAT 5825

(n, n') p 58-Ce-136

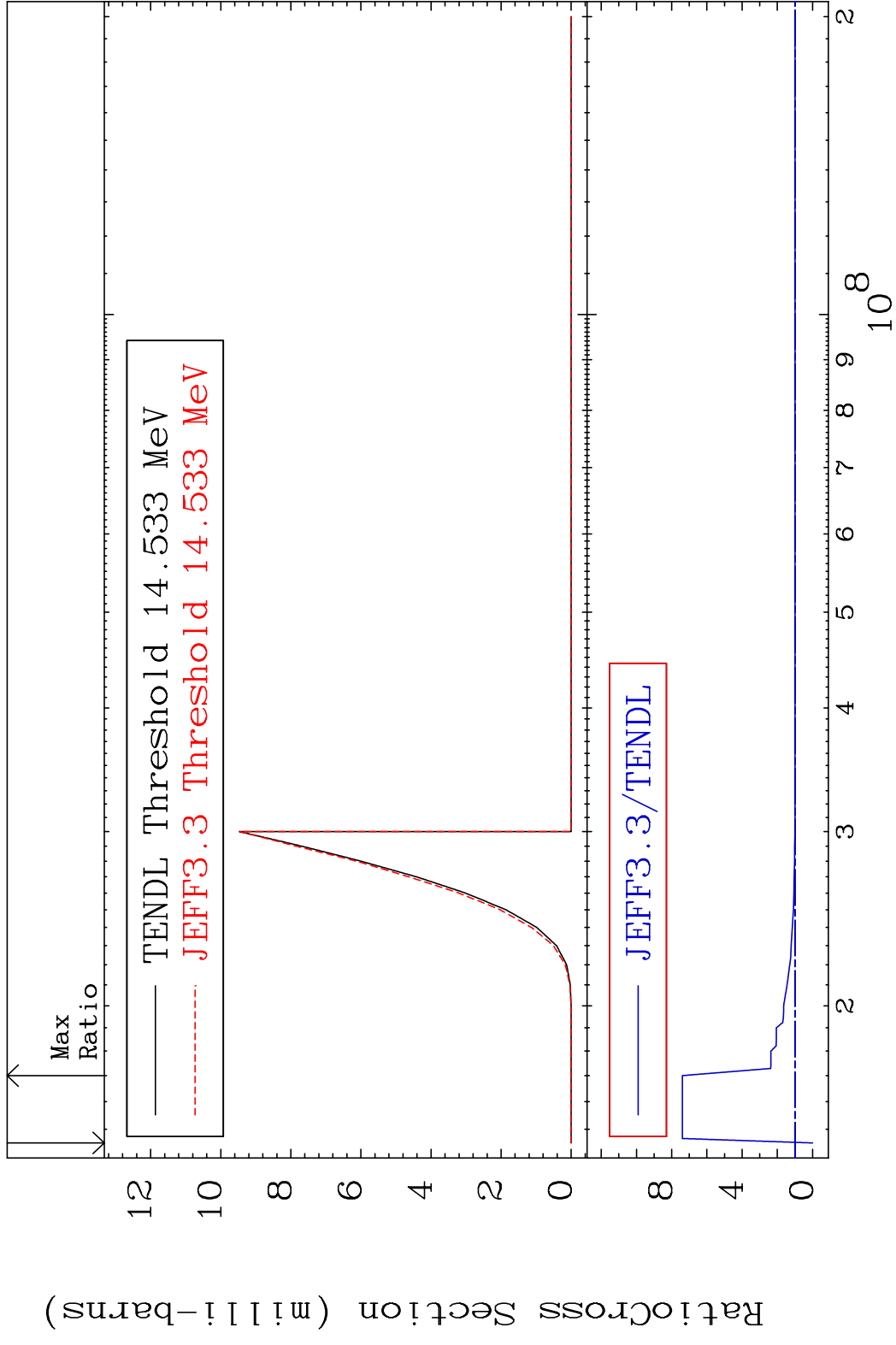
Cross Section -15.82 To 289.8 %



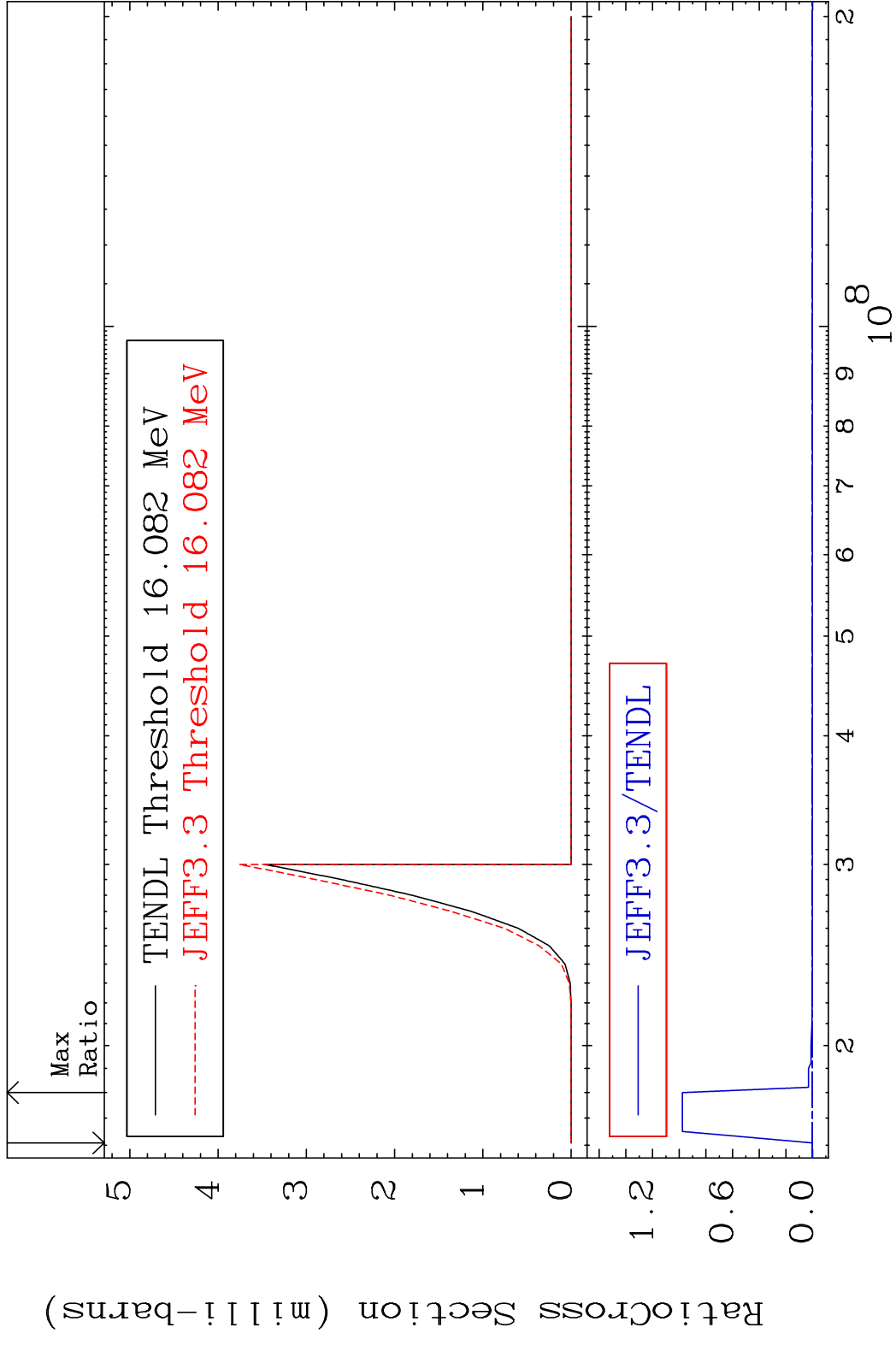
MAT 5825 (n, n') 2α 58-Ce-136
 Cross Section -100.0 To 9999. %



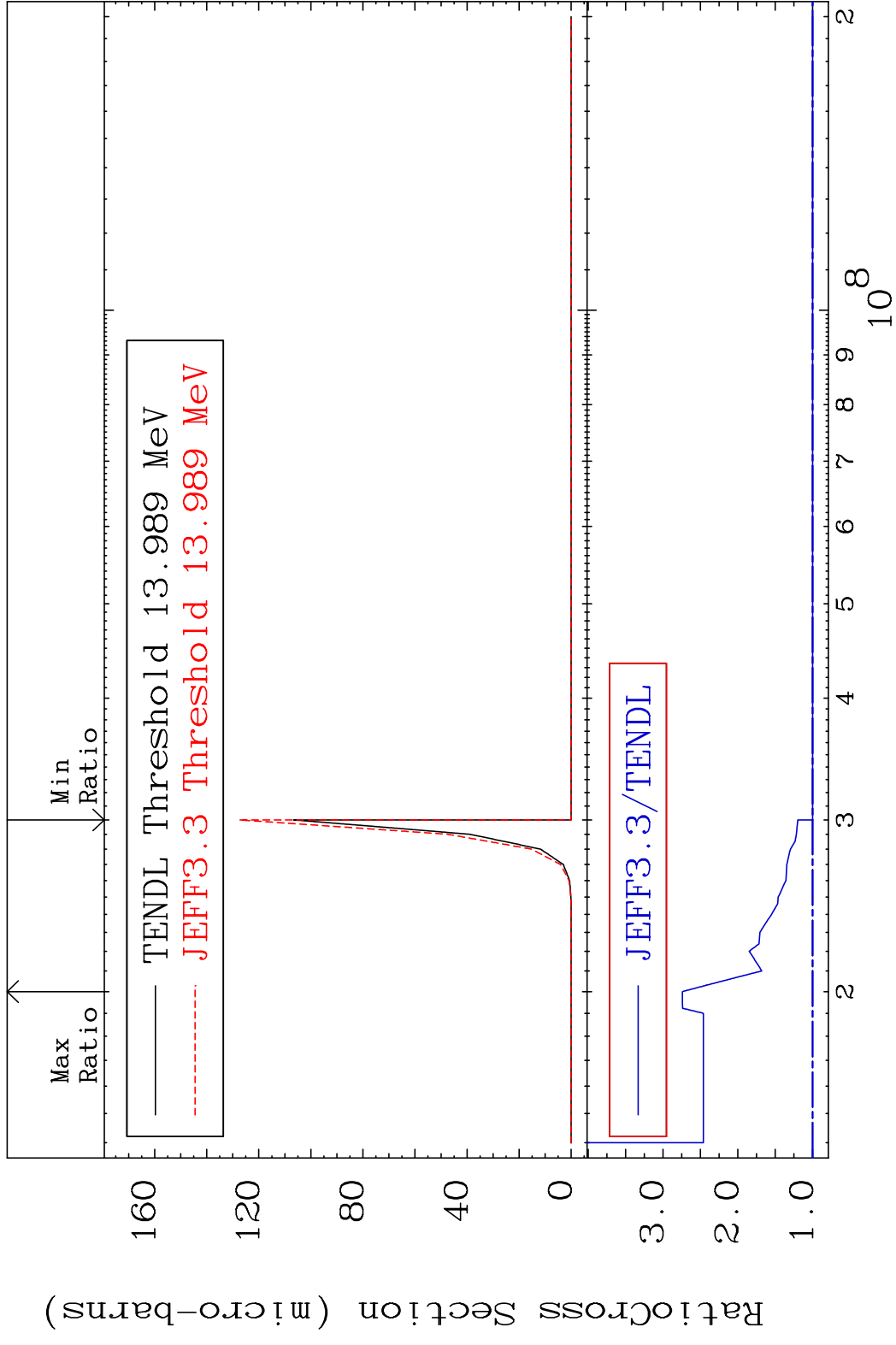
MAT 5825 (n, n') d 58-Ce-136
 Cross Section -100.0 To 639.3 %



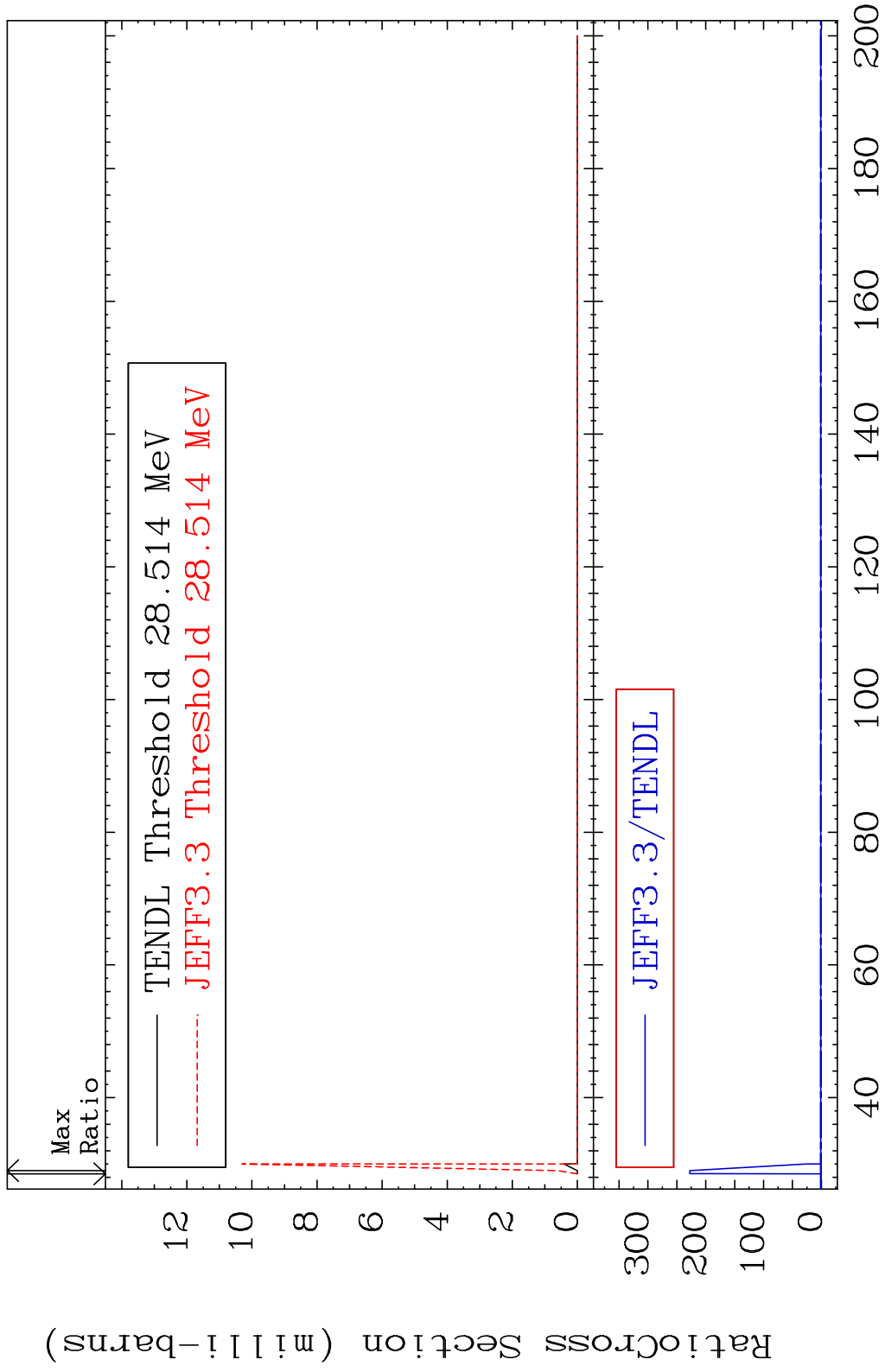
MAT 5825 (n, n') t 58-Ce-136
 Cross Section -100.0 To 9999. %



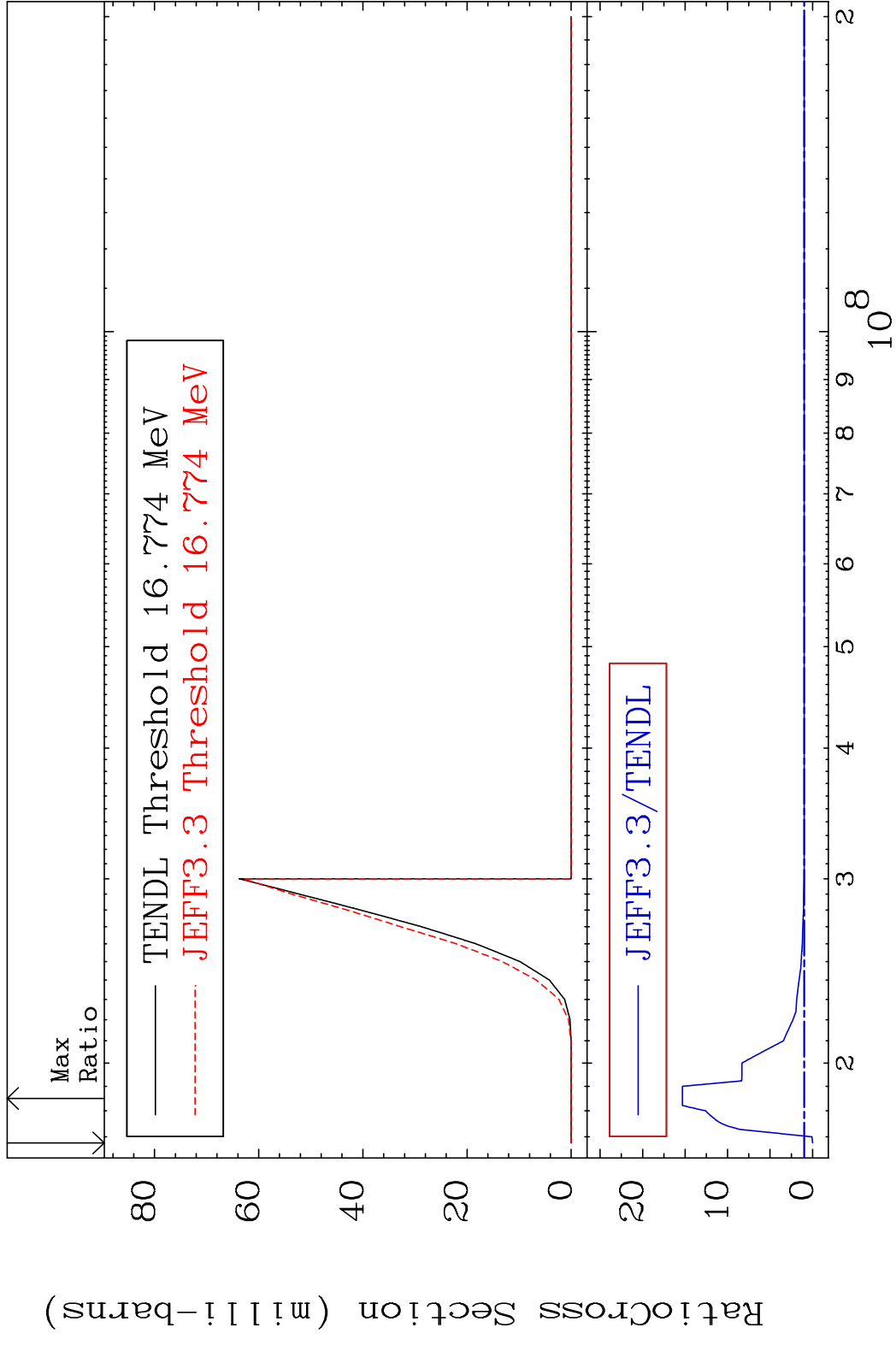
MAT 5825 (n,n') He-3 58-Ce-136
 Cross Section 0.000 To 174.2 %



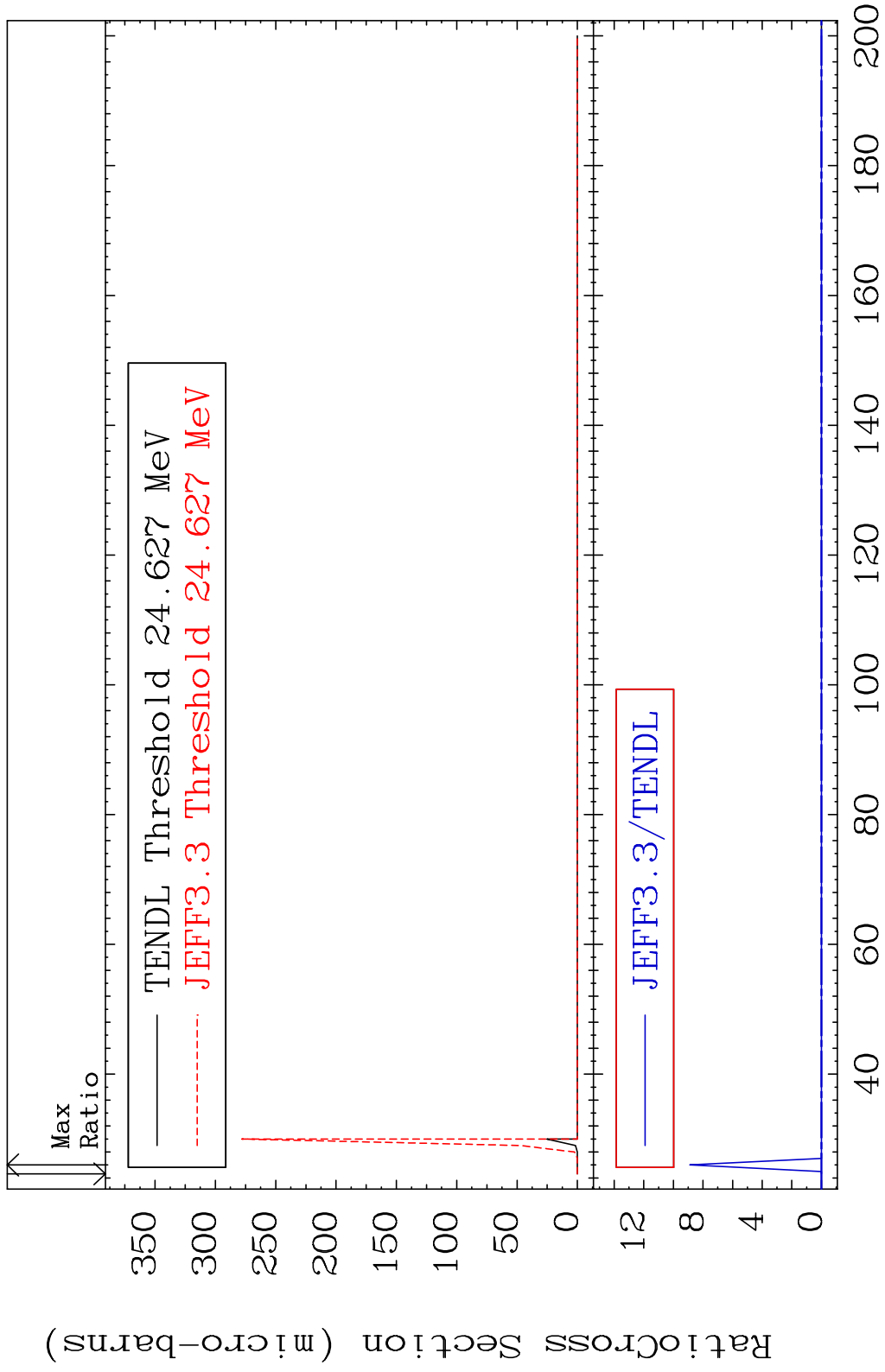
MAT 5825 (n,4n) 58-Ce-136
 Cross Section -100.0 To 9999. %



MAT 5825 (n,2n) p 58-Ce-136
 Cross Section -100.0 To 1432. %



MAT 5825 (n,3n) p 58-Ce-136
 Cross Section -100.0 To 9999. %

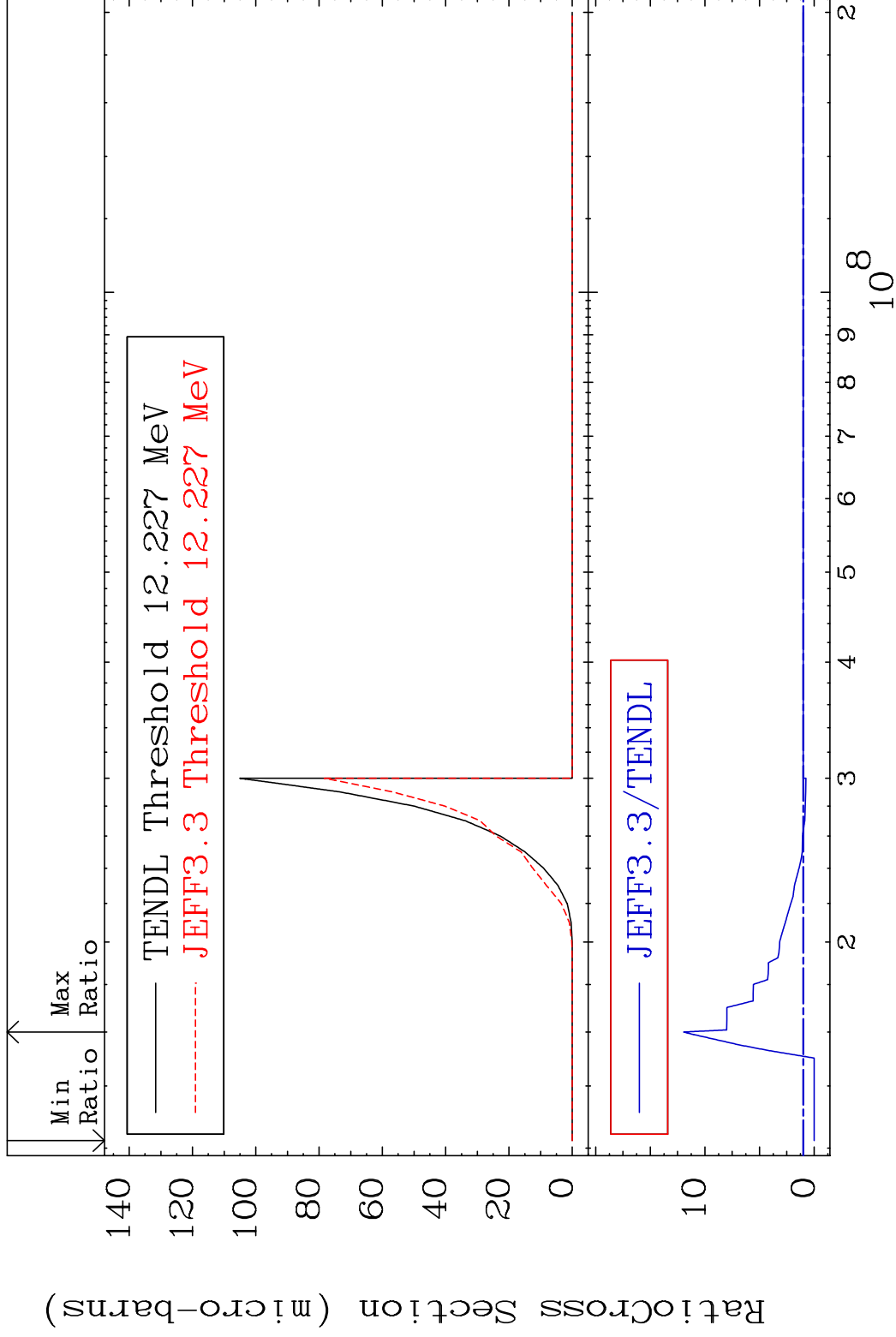


MAT 5825

(n,2n) p

58-Ce-136

Cross Section -100.0 To 1094. %



19

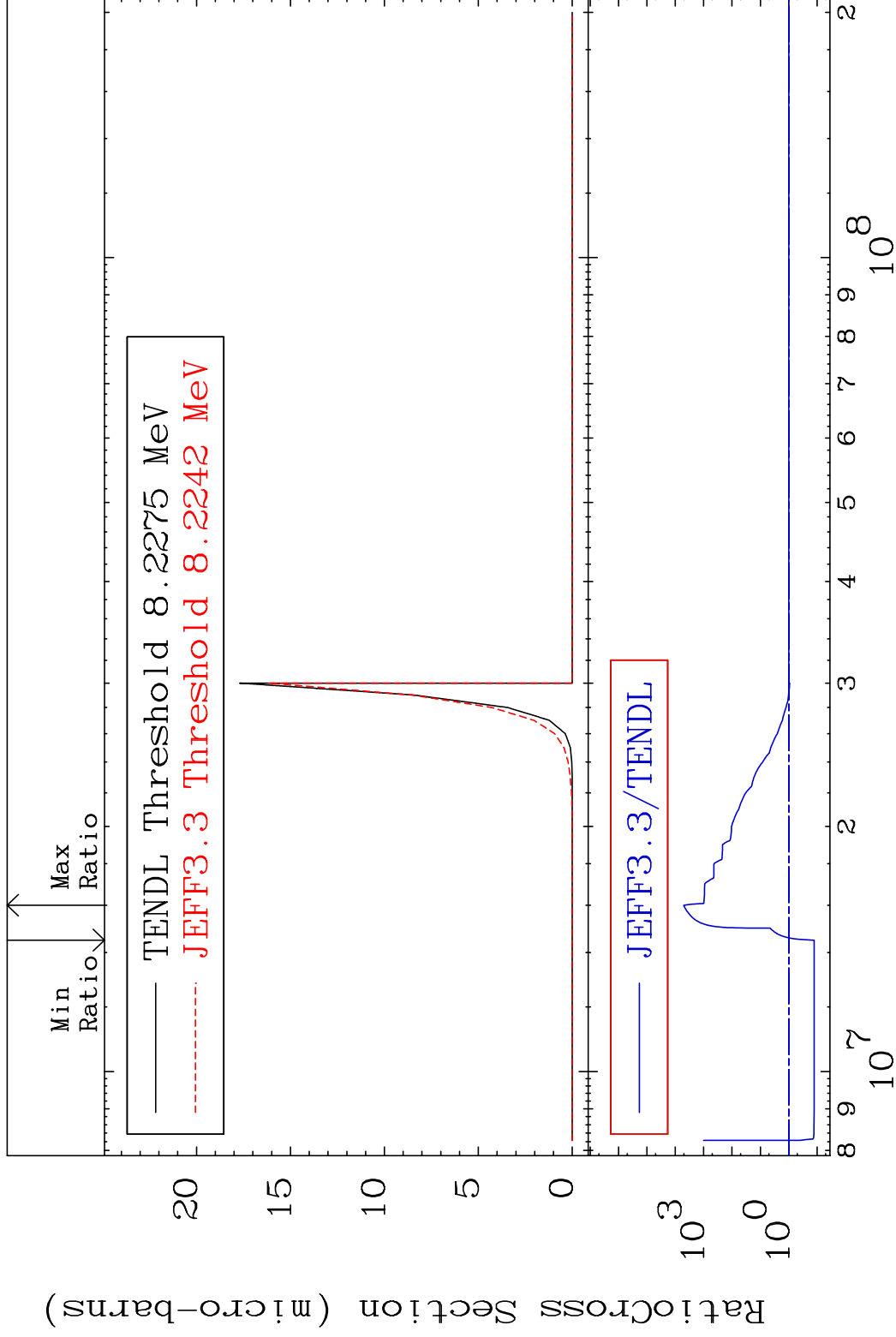
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,n') p α 58-Ce-136

Cross Section -87.31 To 9999. %

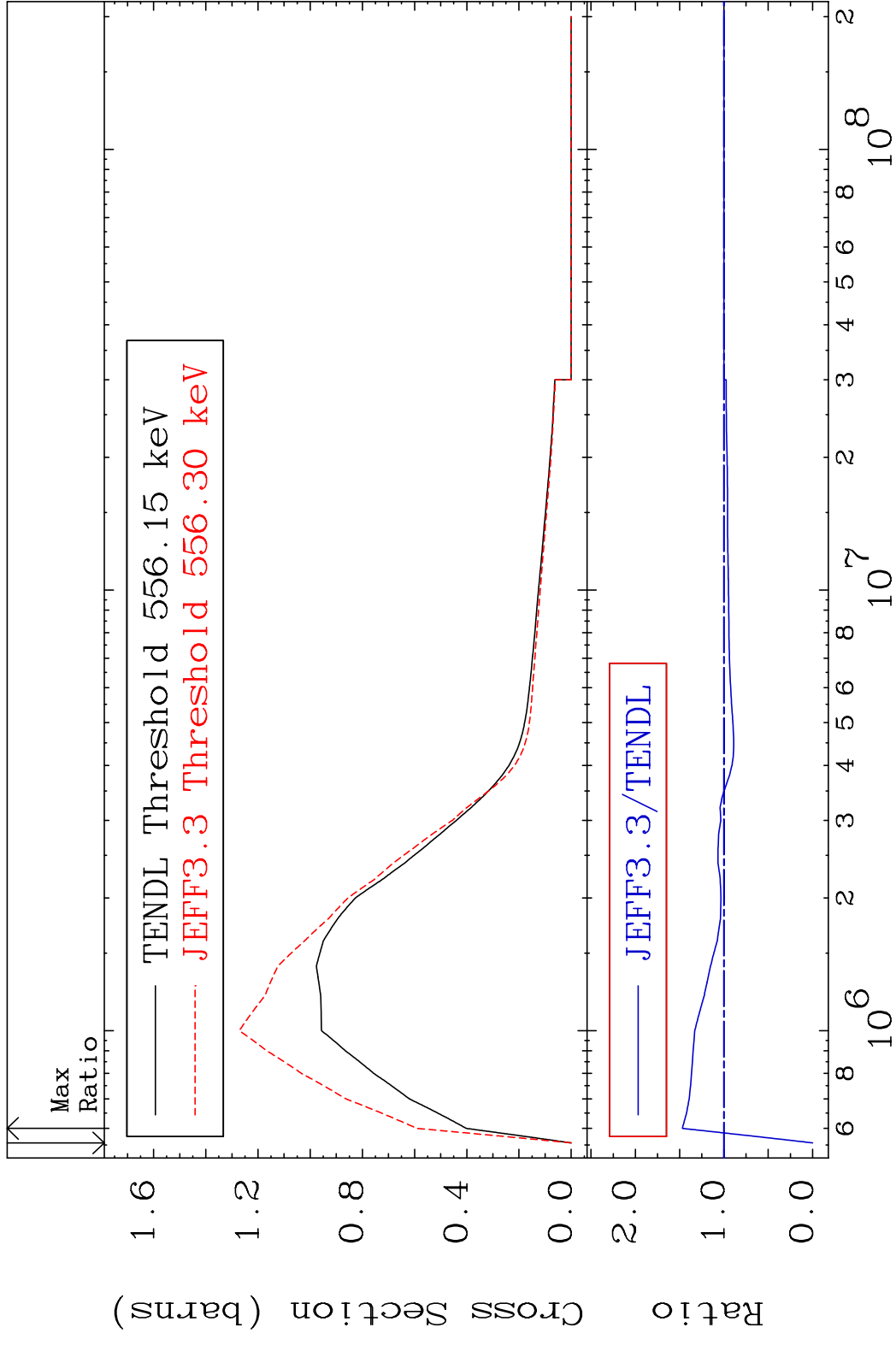


20

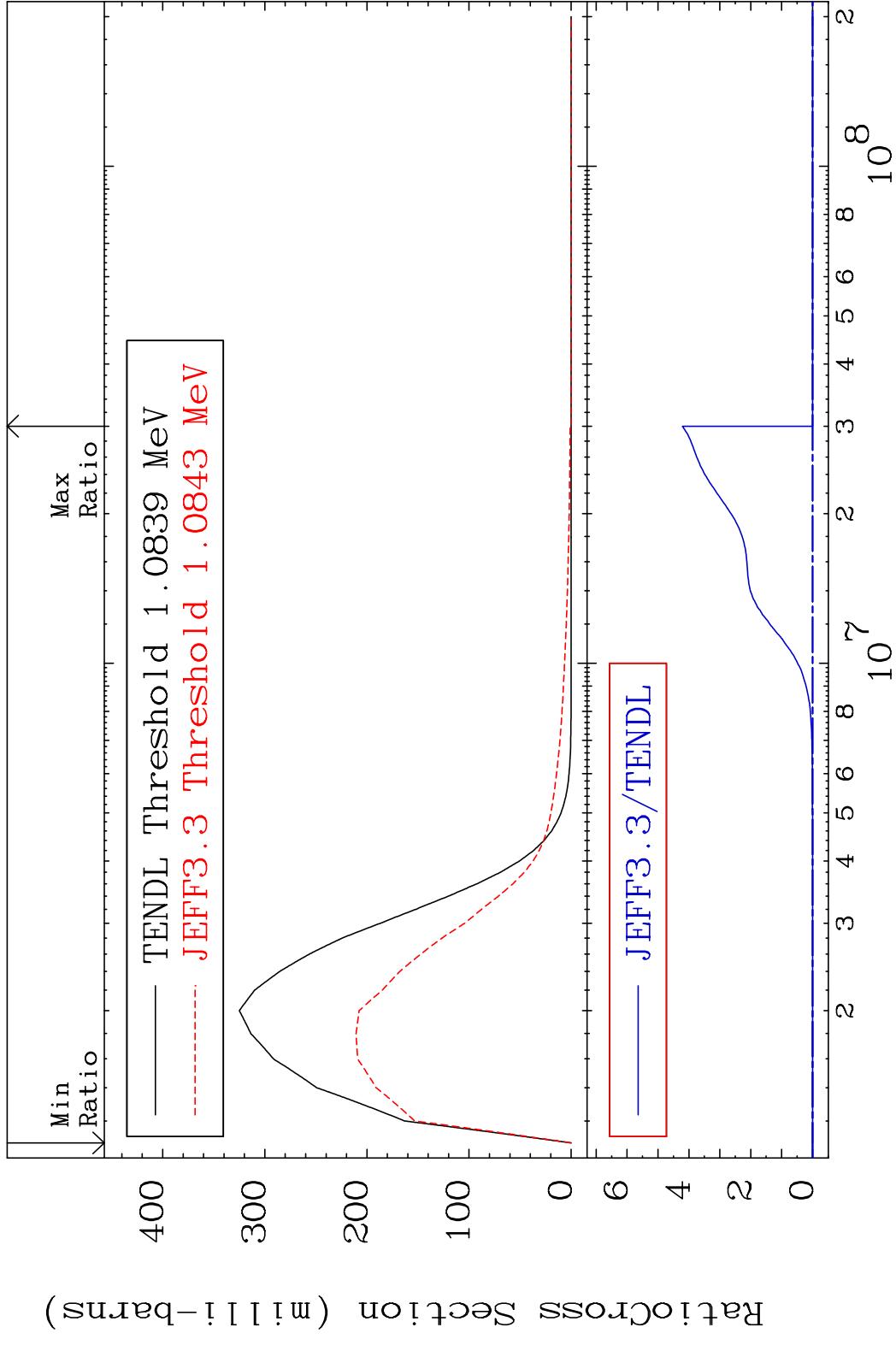
Incident Energy (eV)

58-Ce-136

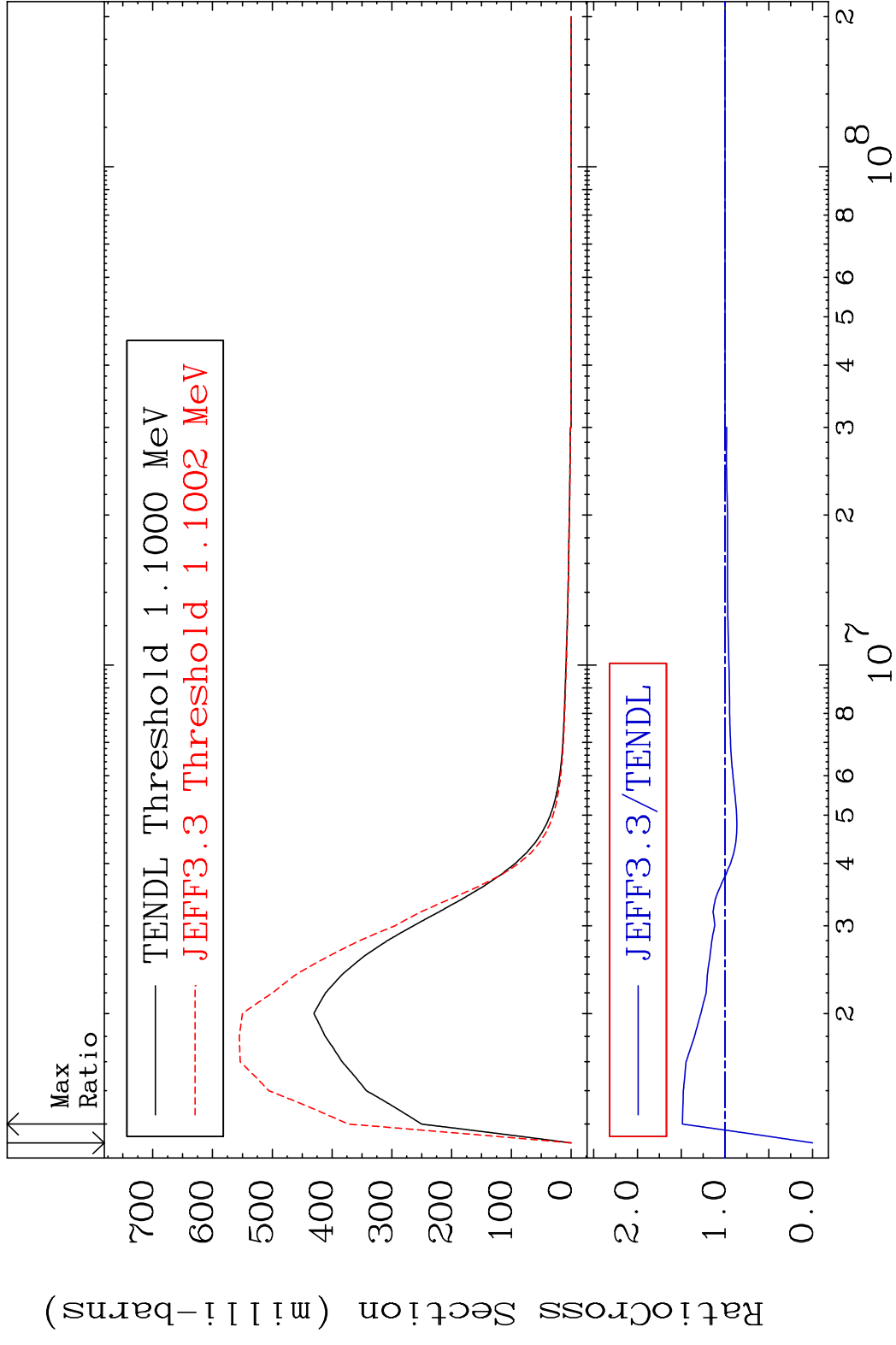
MAT 5825 MT= 51 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 46.93 %



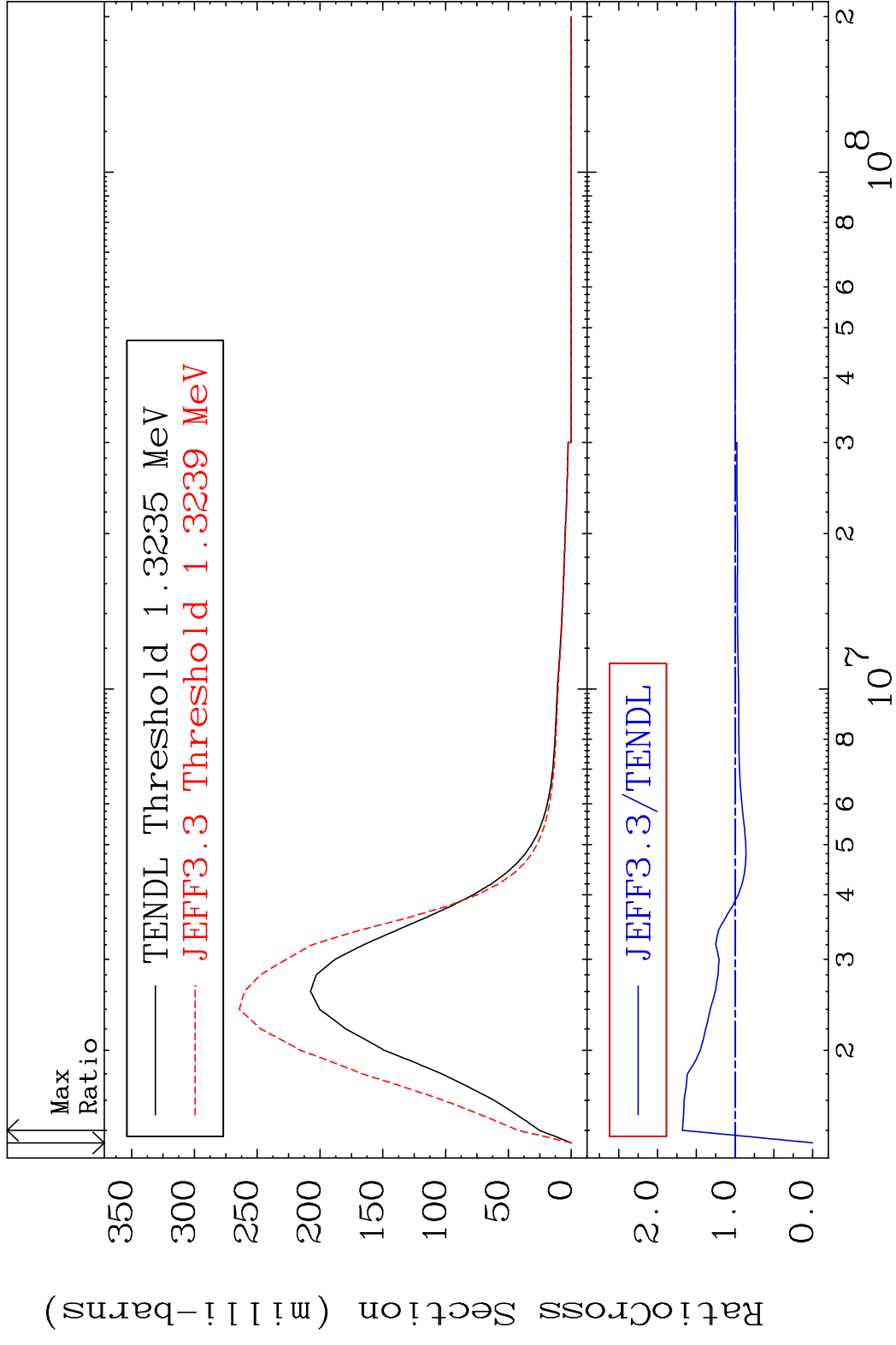
MAT 5825 MT= 52 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 9999. %



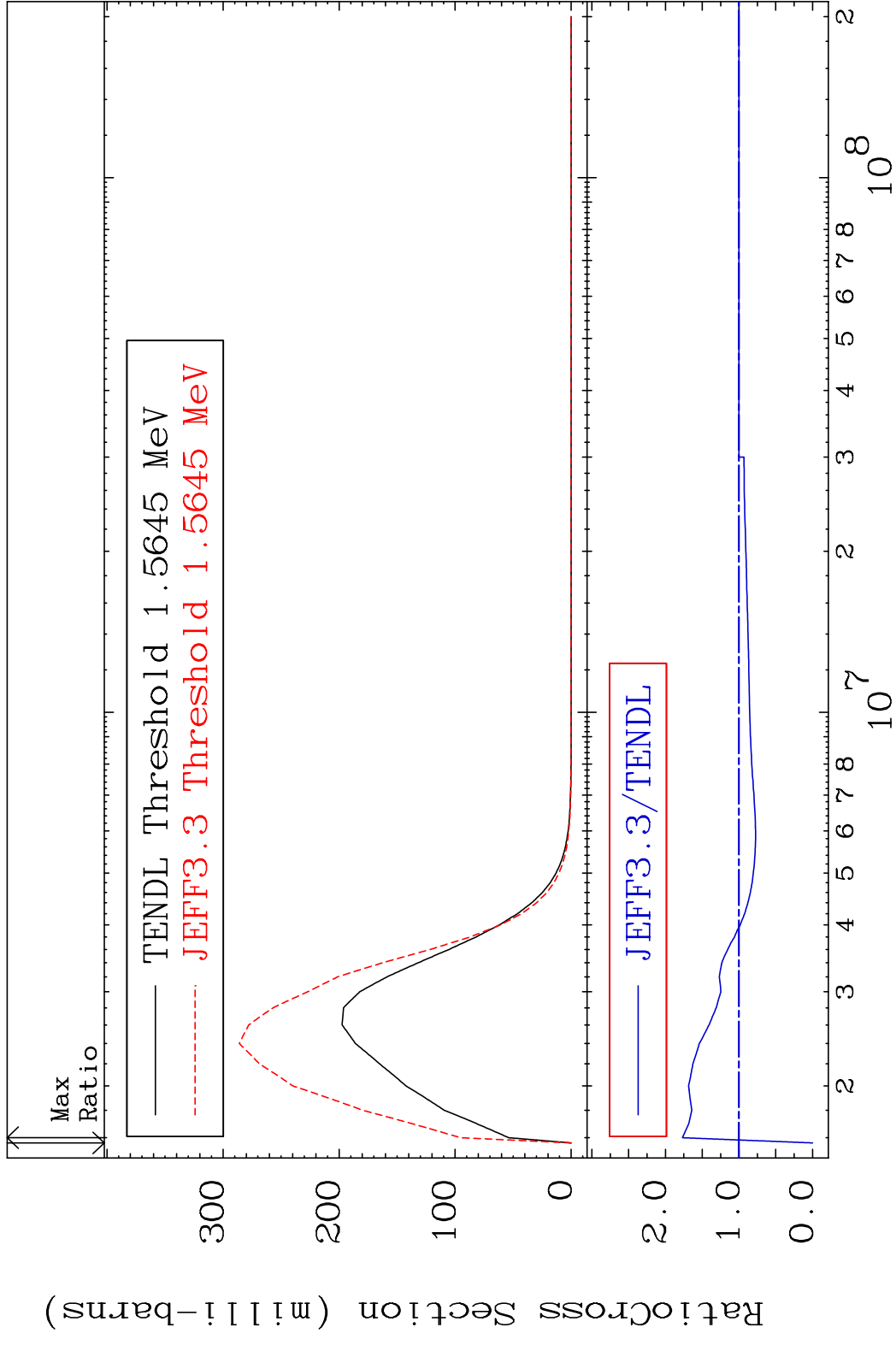
MAT 5825 MT= 53 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 48.78 %



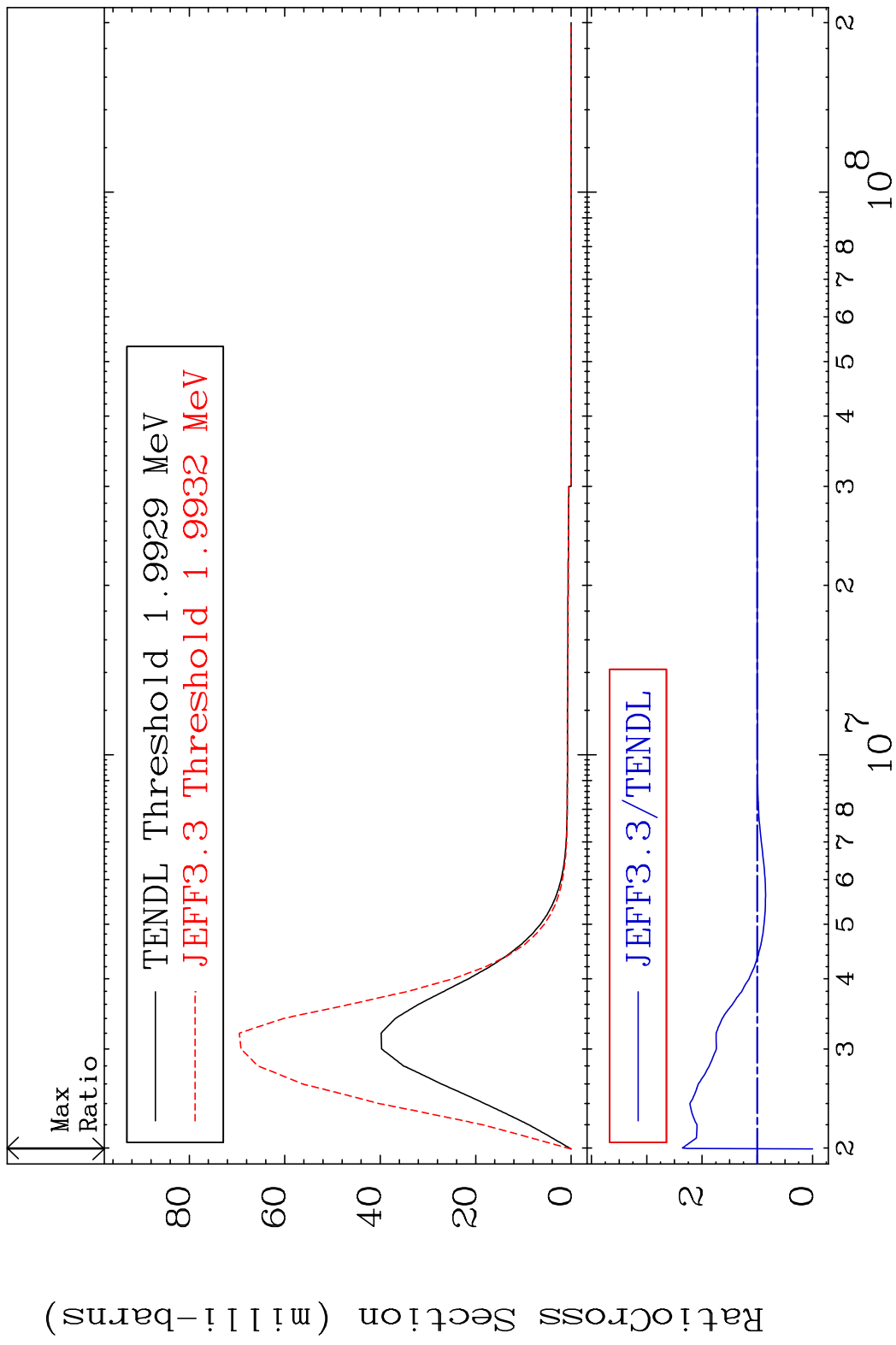
MAT 5825 MT= 54 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 67.89 %



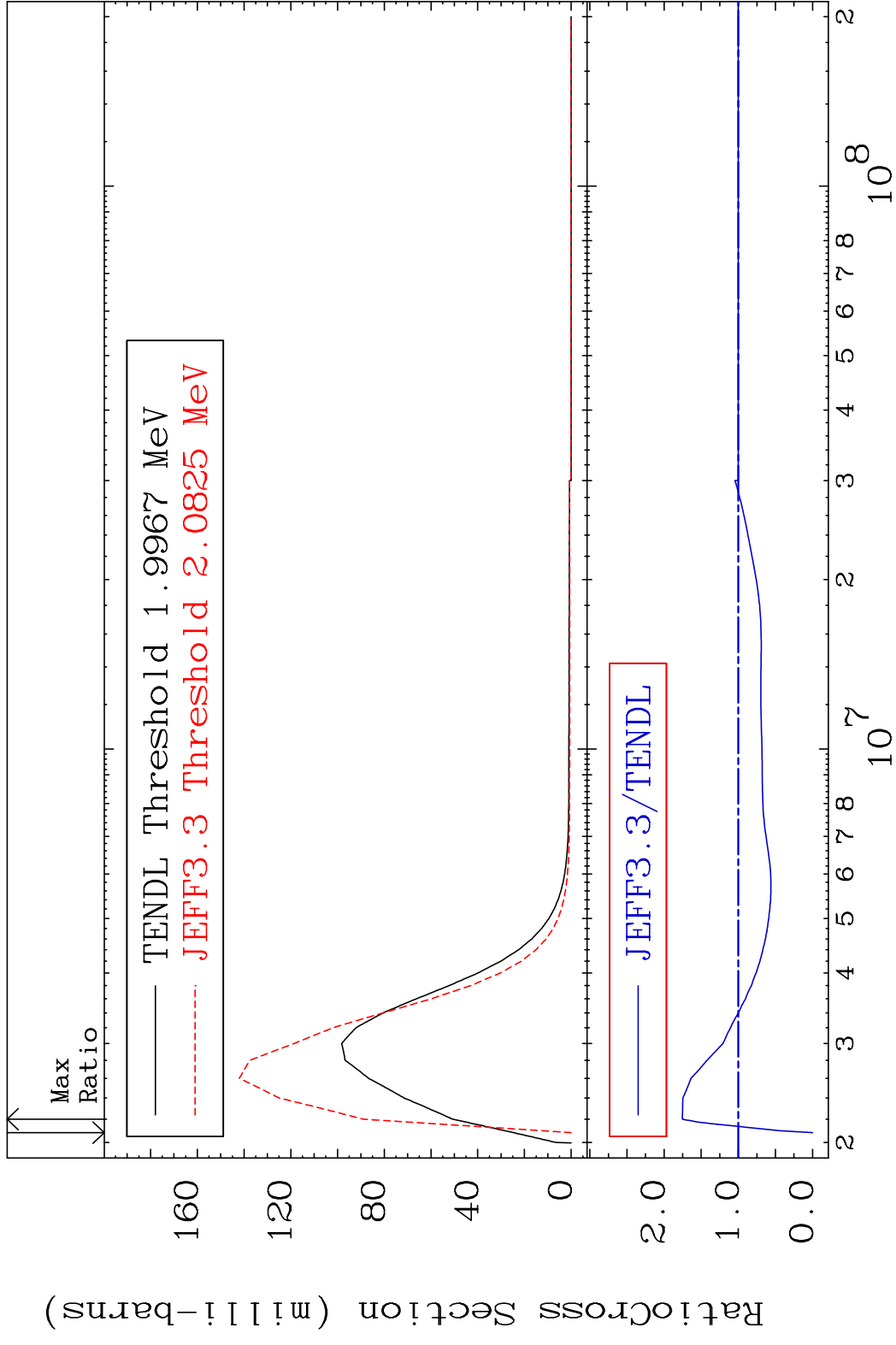
MAT 5825 MT= 55 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 76.97 %



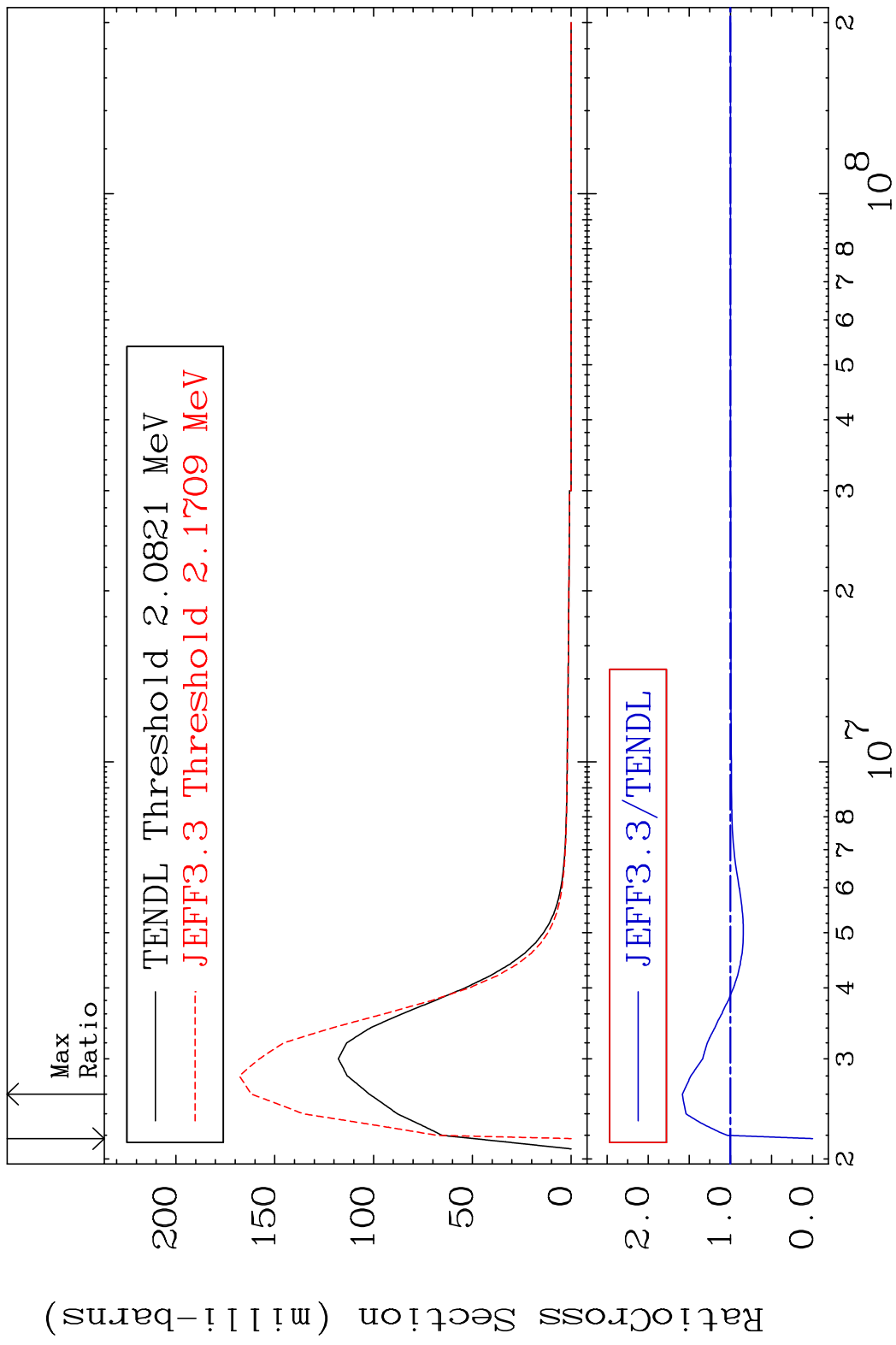
MAT 5825 MT= 56 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 135.6 %



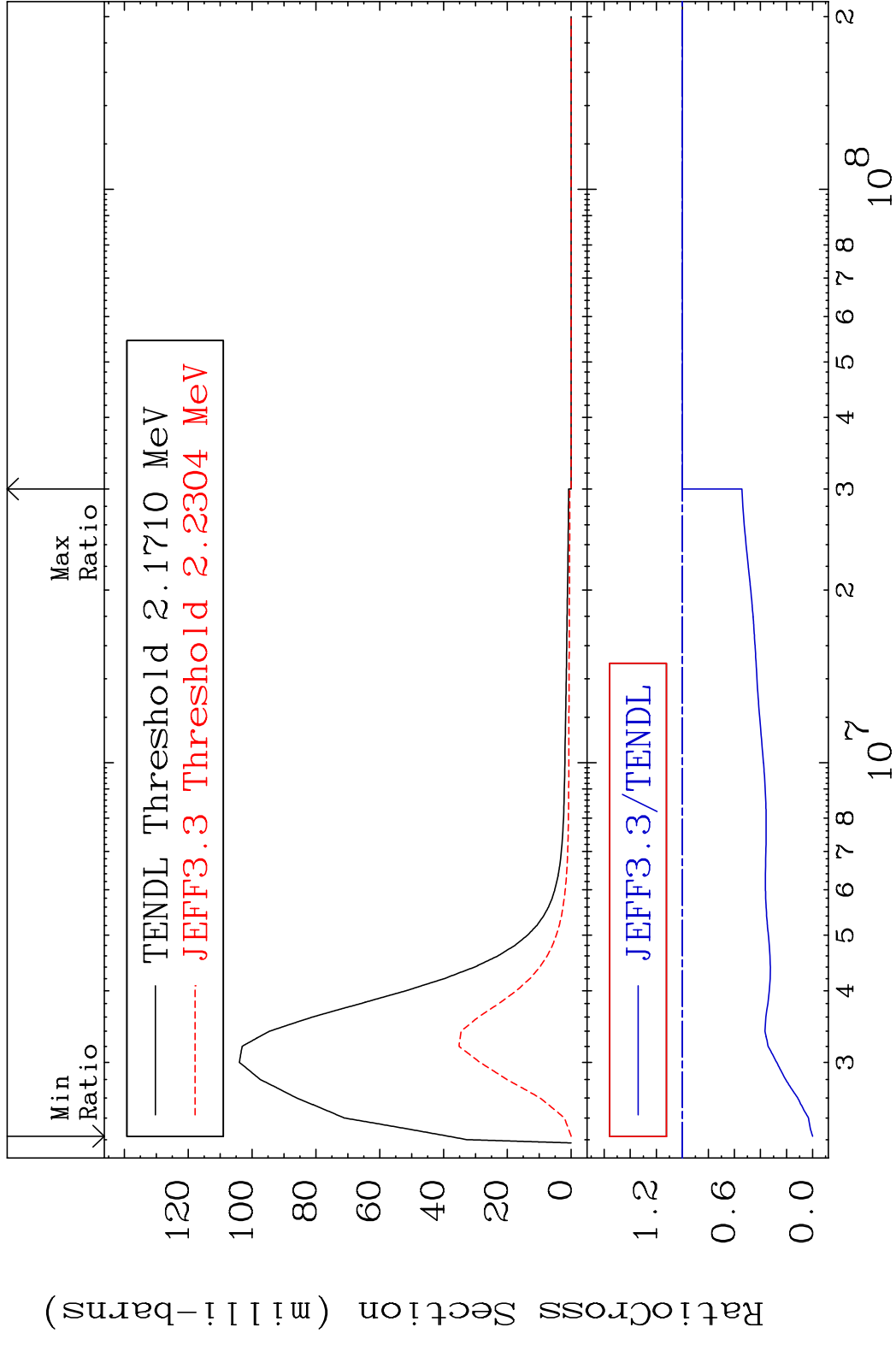
MAT 5825 MT= 57 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 75.38 %



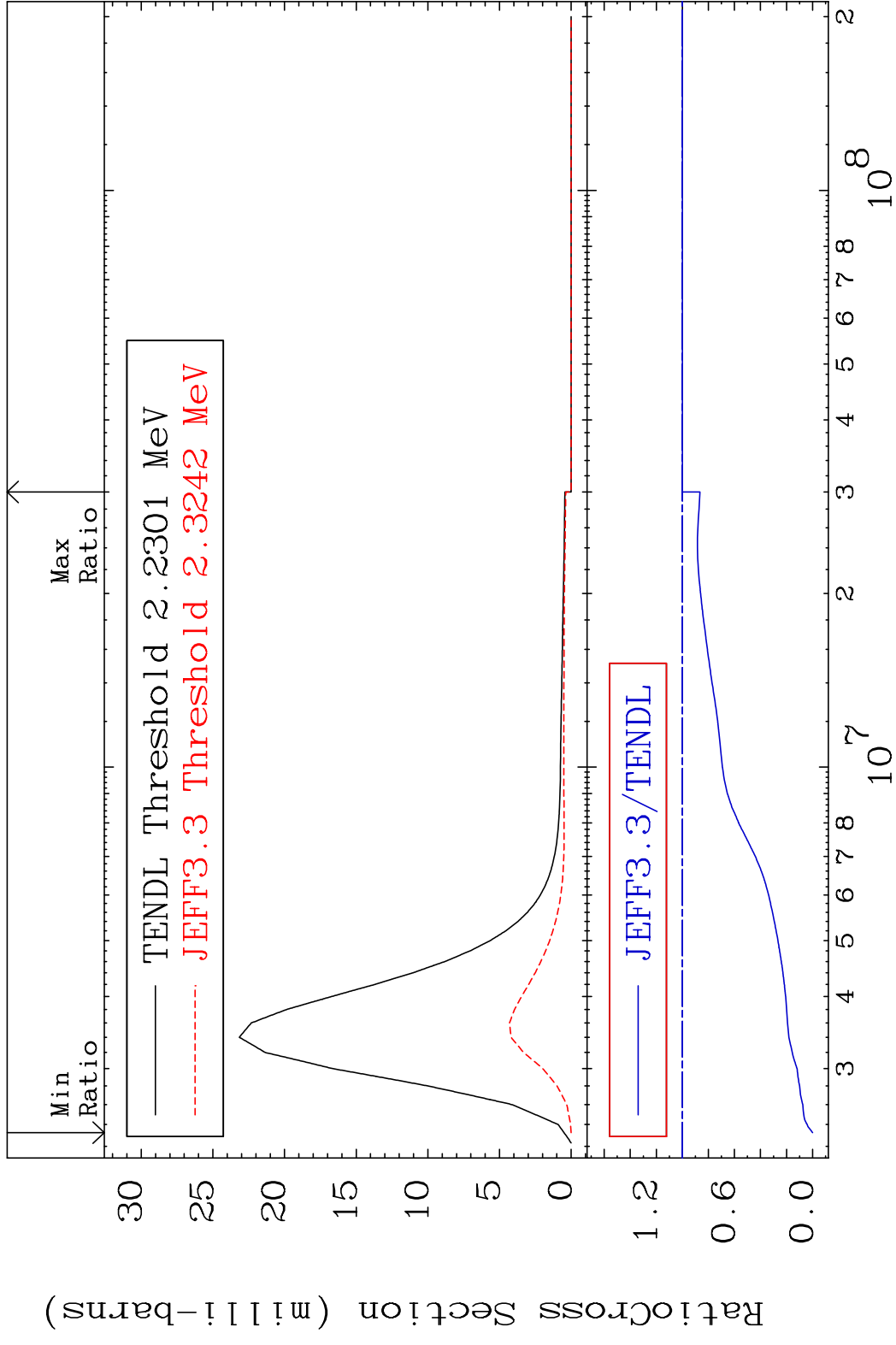
MAT 5825 MT= 58 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 58.48 %



MAT 5825 MT= 59 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %

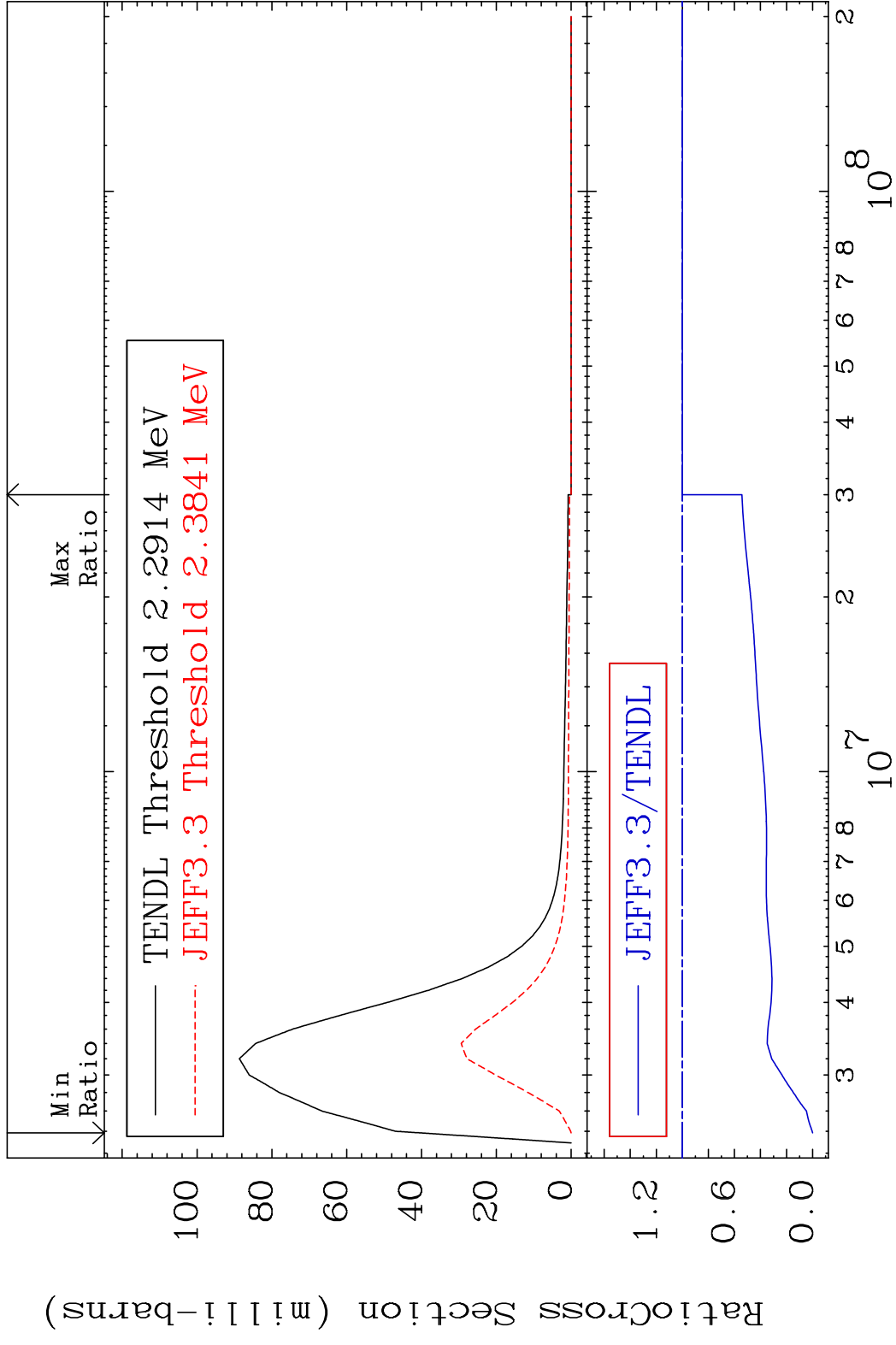


MAT 5825 MT= 60 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %

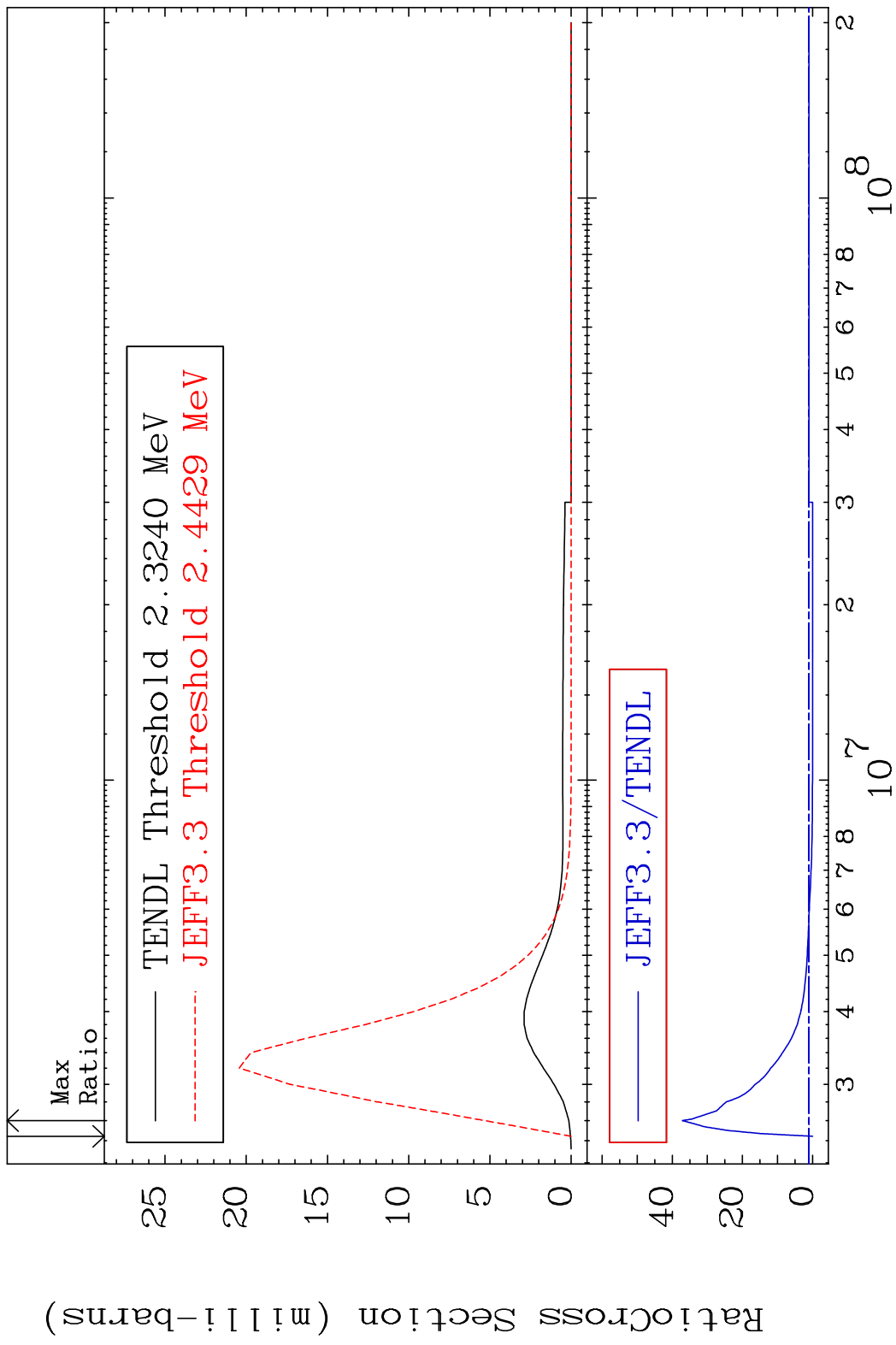


30 58-Ce-136

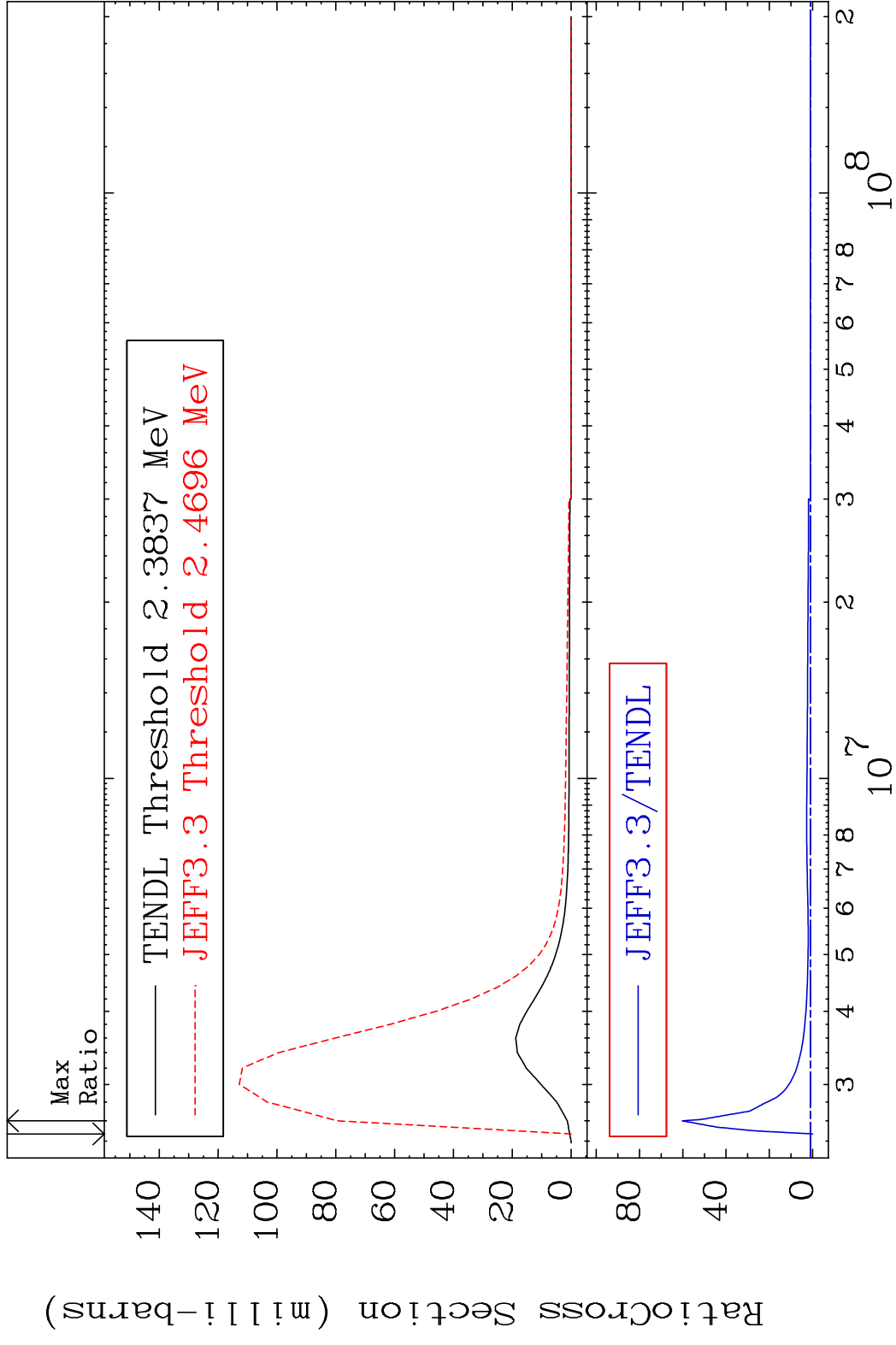
MAT 5825 MT= 61 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %



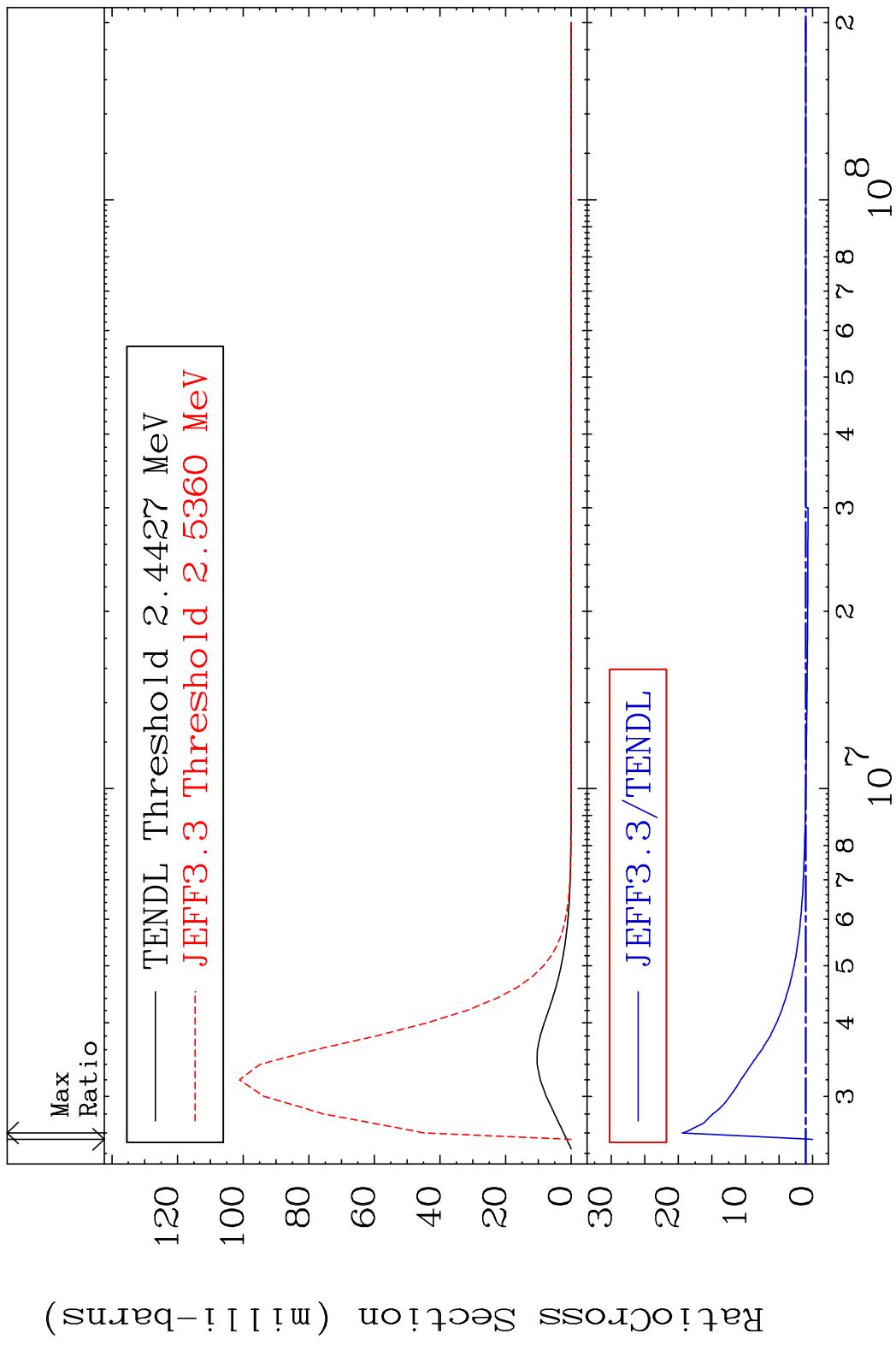
MAT 5825 MT= 62 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 3613. %



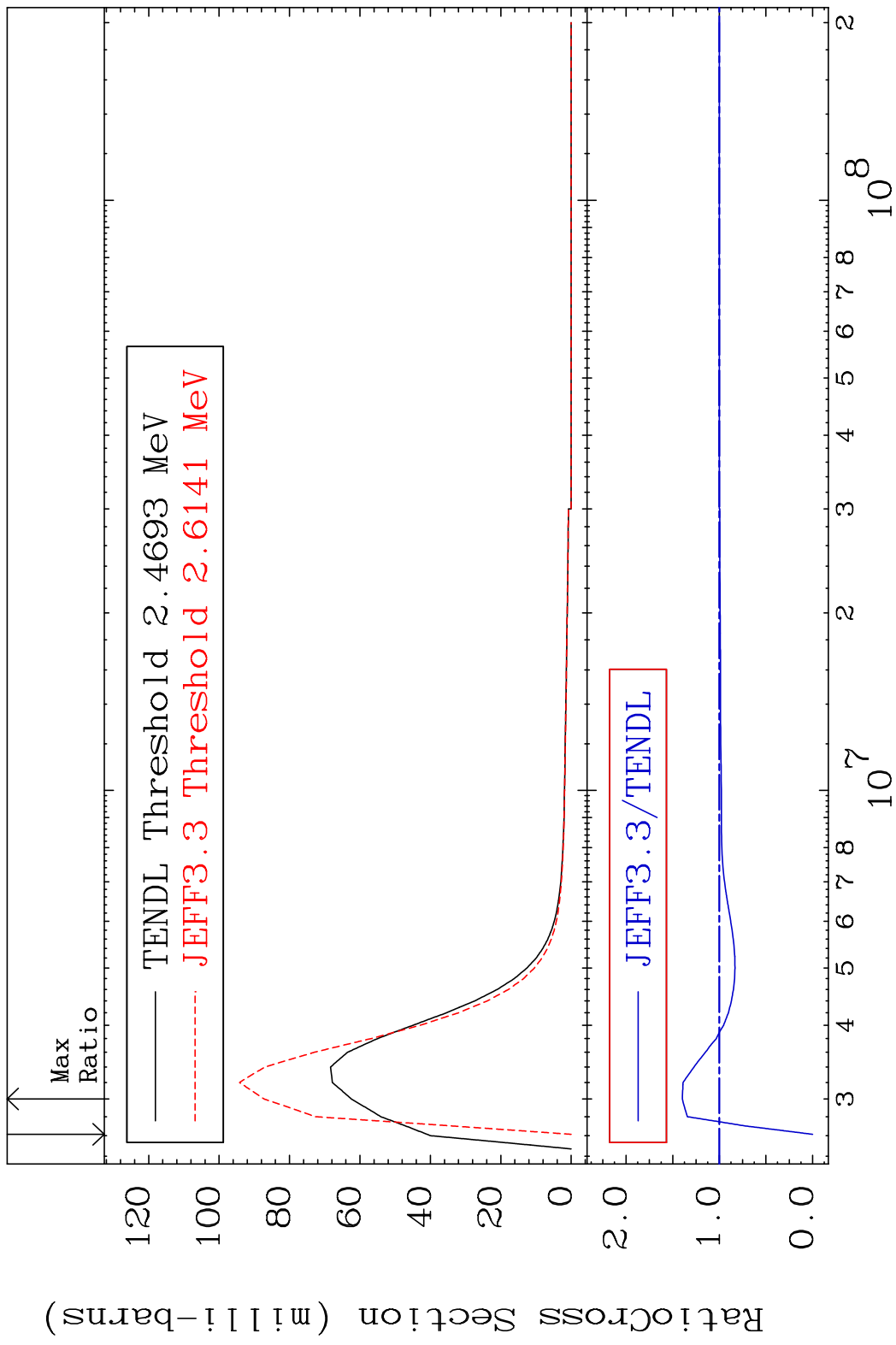
MAT 5825 MT= 63 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 5920. %



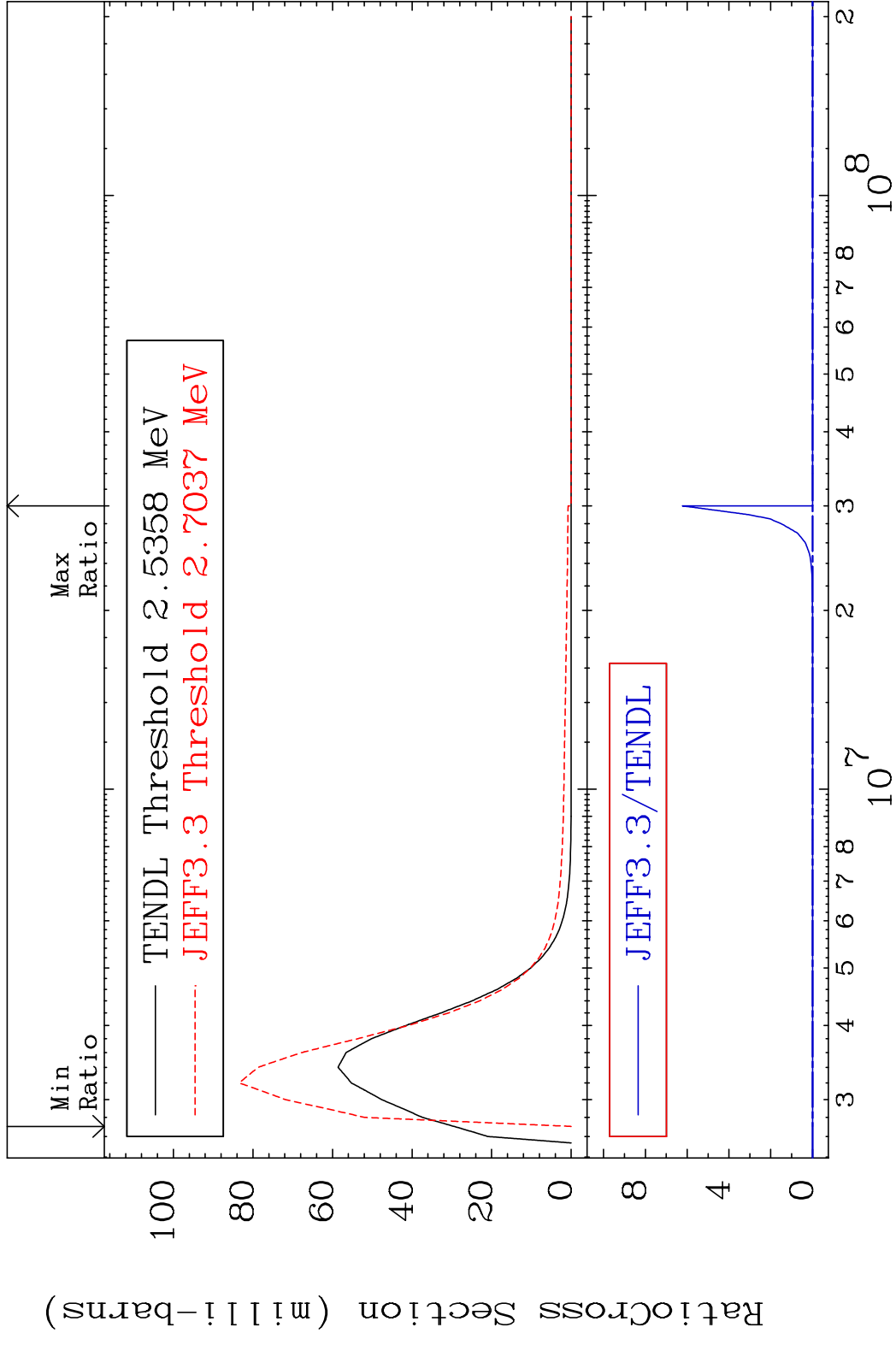
MAT 5825 MT= 64 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 1841. %



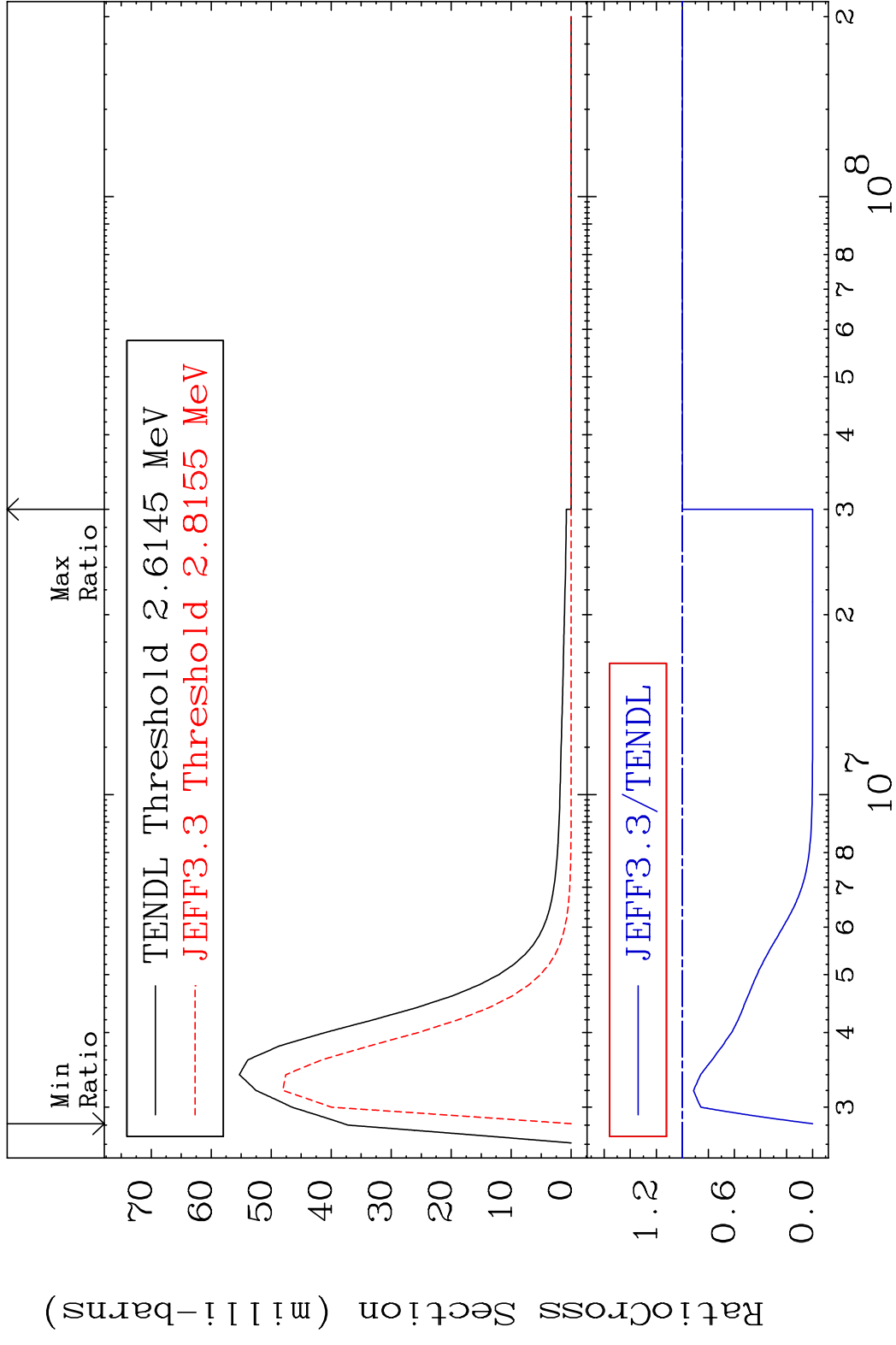
MAT 5825 MT= 65 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 39.67 %



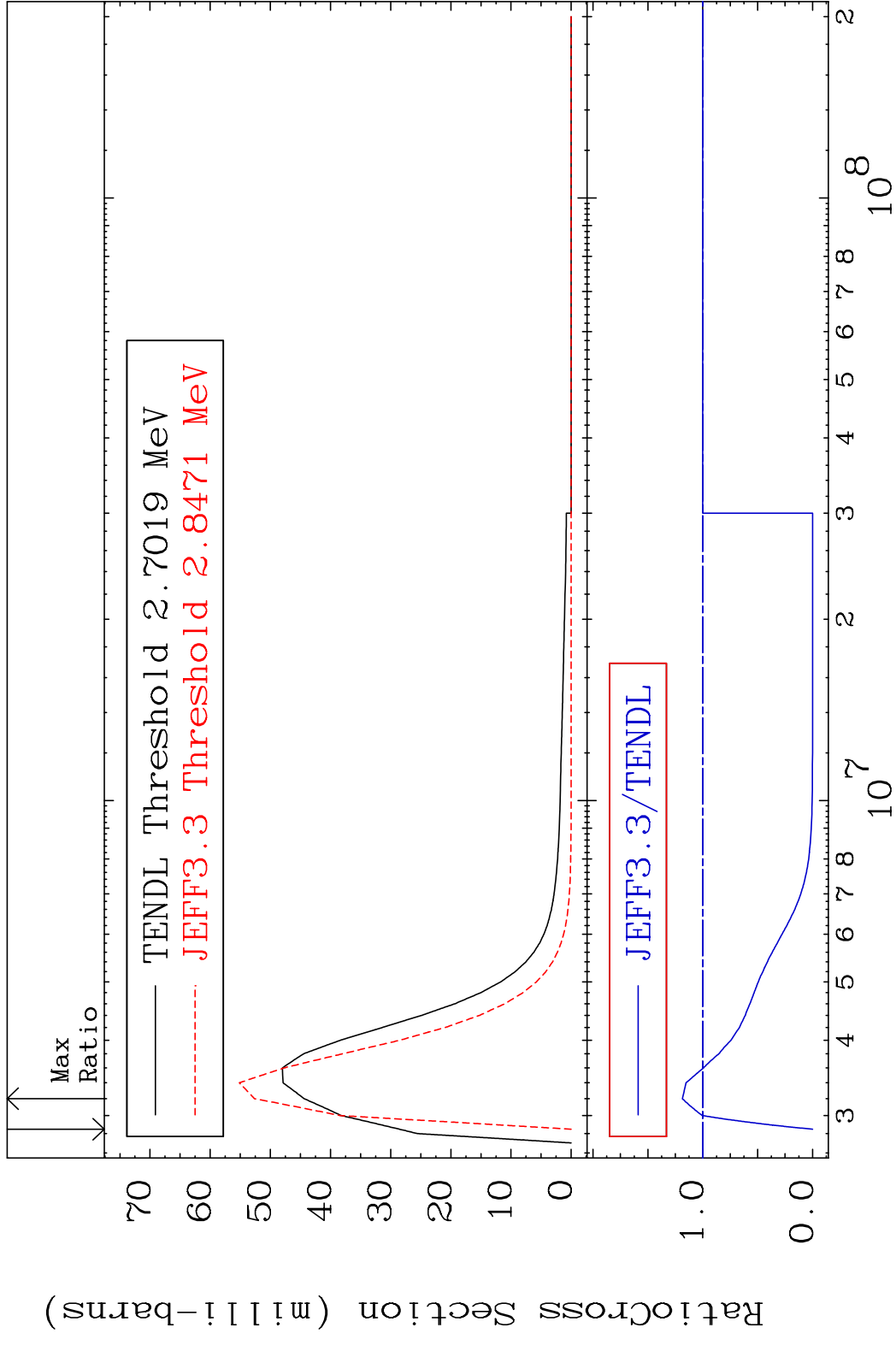
MAT 5825 MT= 66 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 9999. %



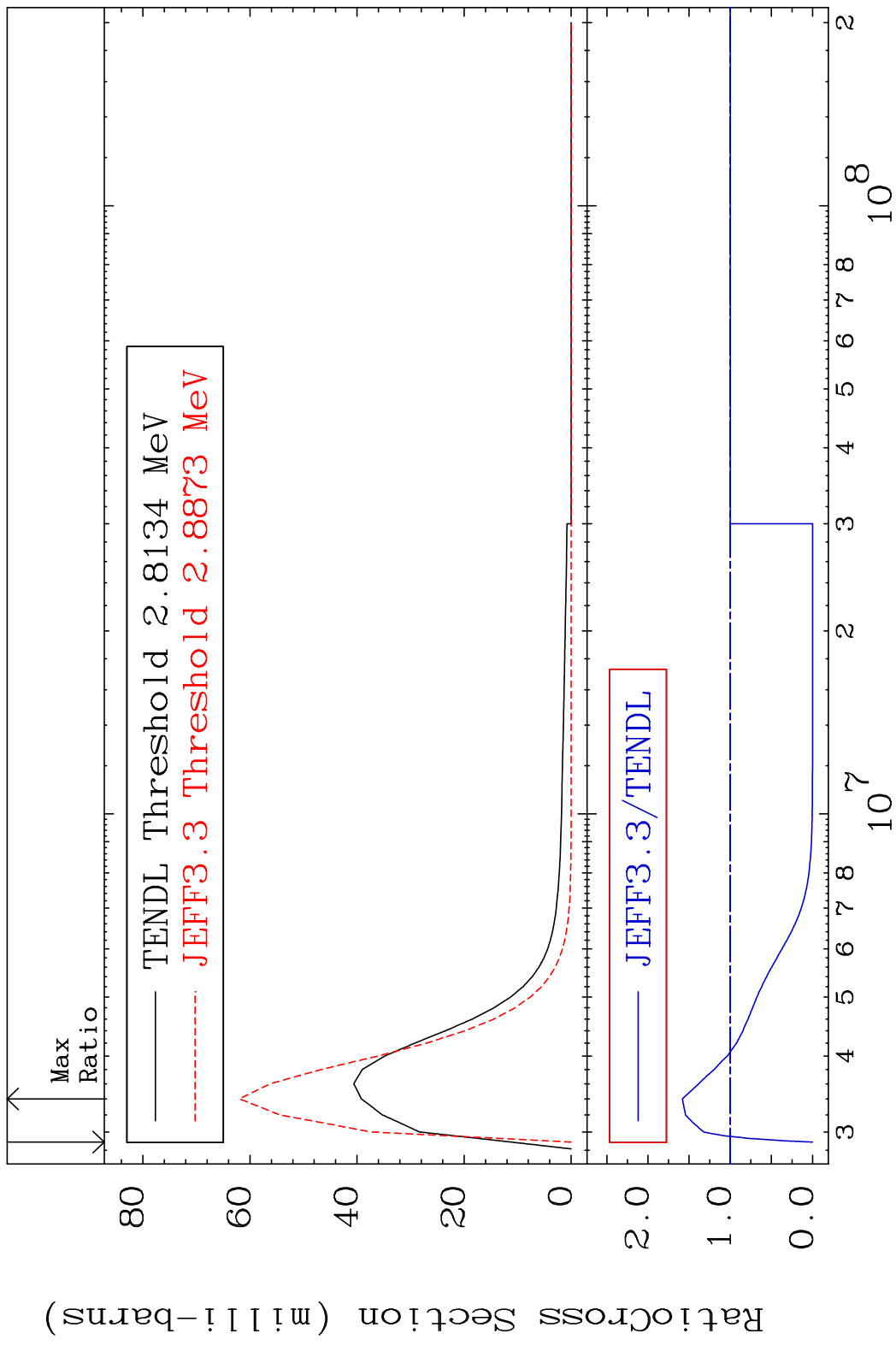
MAT 5825 MT= 67 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %



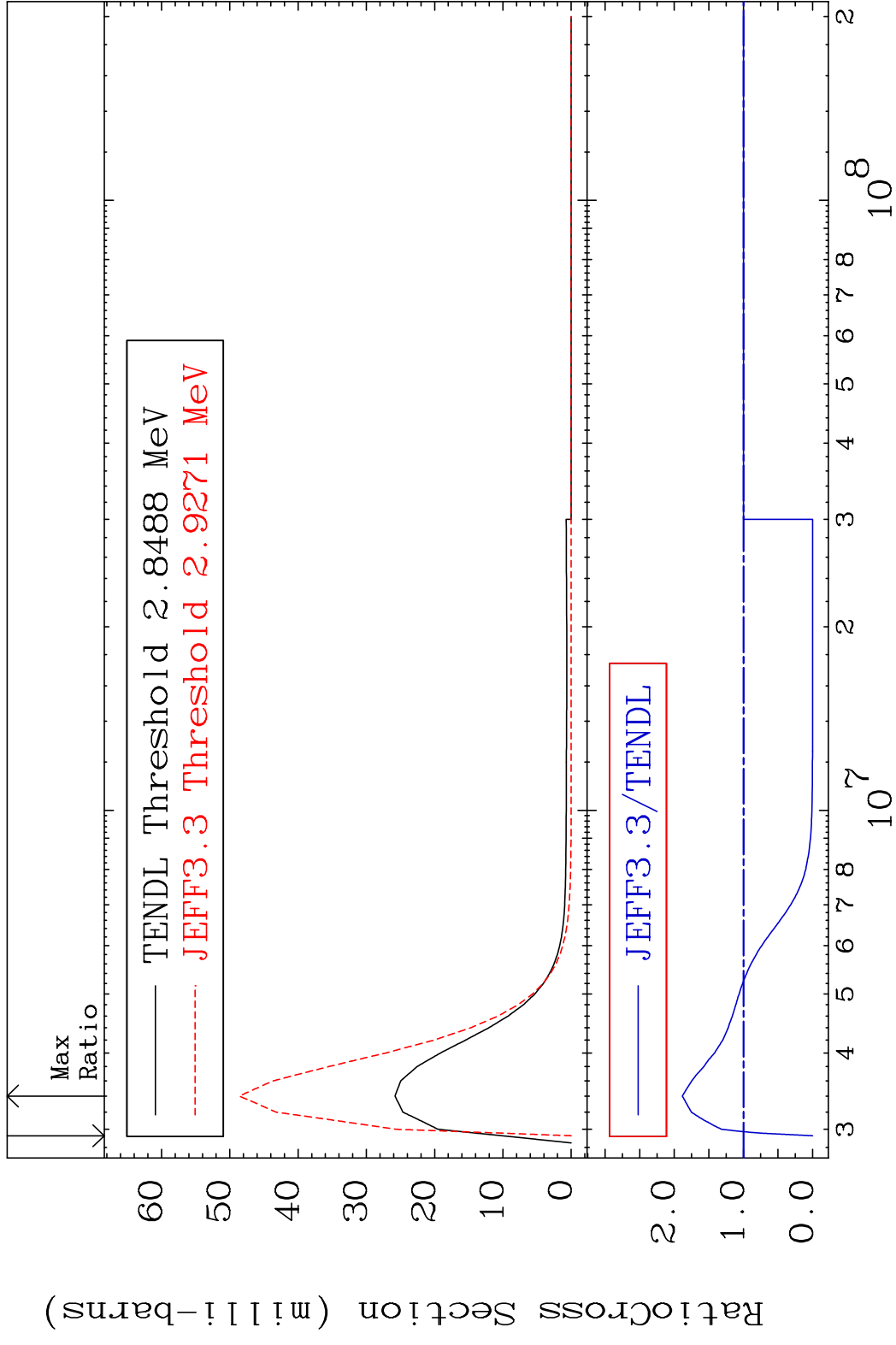
MAT 5825 MT= 68 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 18.60 %



MAT 5825 MT= 69 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 58.21 %

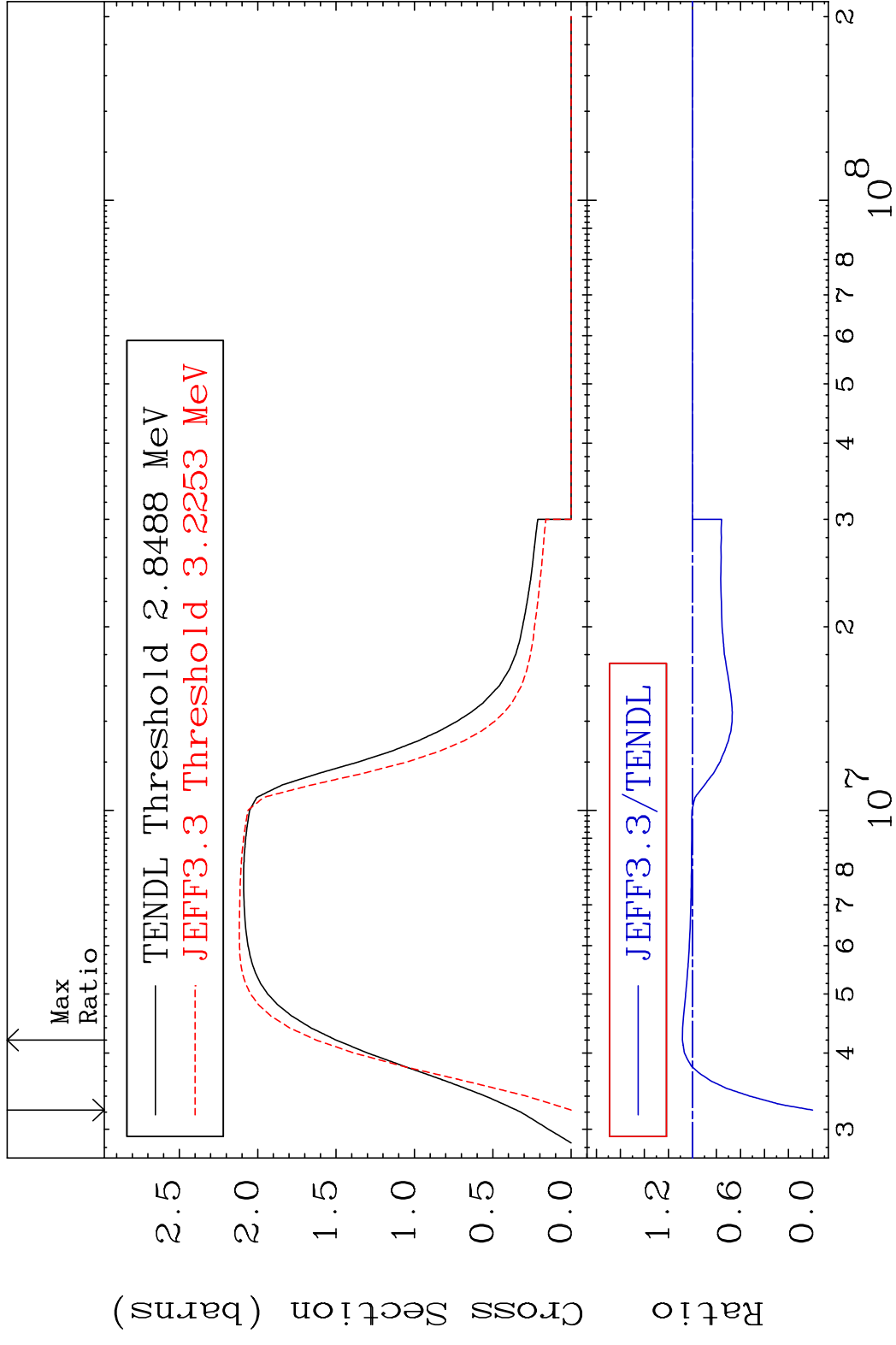


MAT 5825 MT= 70 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 88.32 %



40 Incident Energy (eV) 58-Ce-136

MAT 5825 (n,n') Continuum 58-Ce-136
 Cross Section -100.0 To 8.411 %

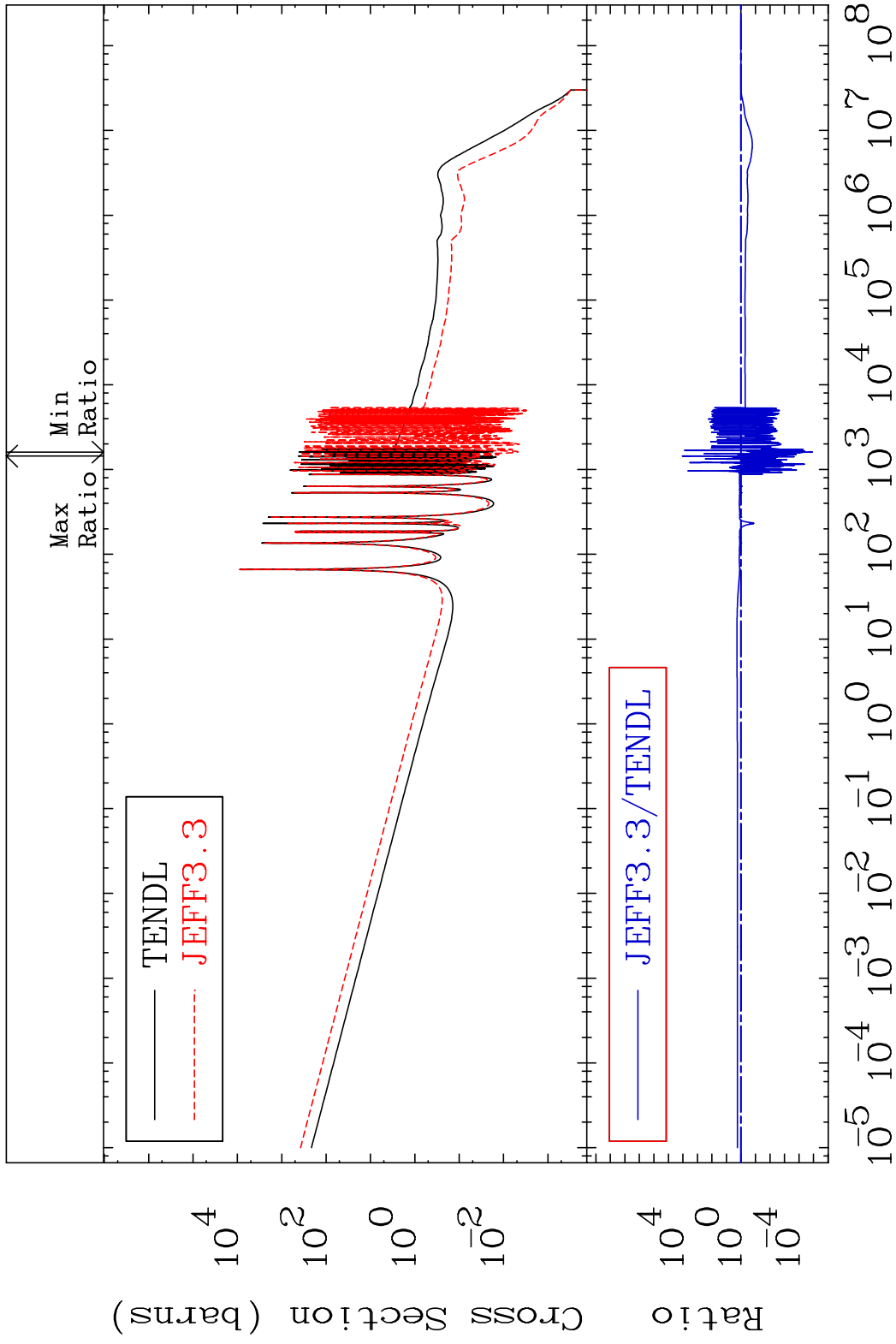


MAT 5825

(n, γ)

58-Ce-136

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

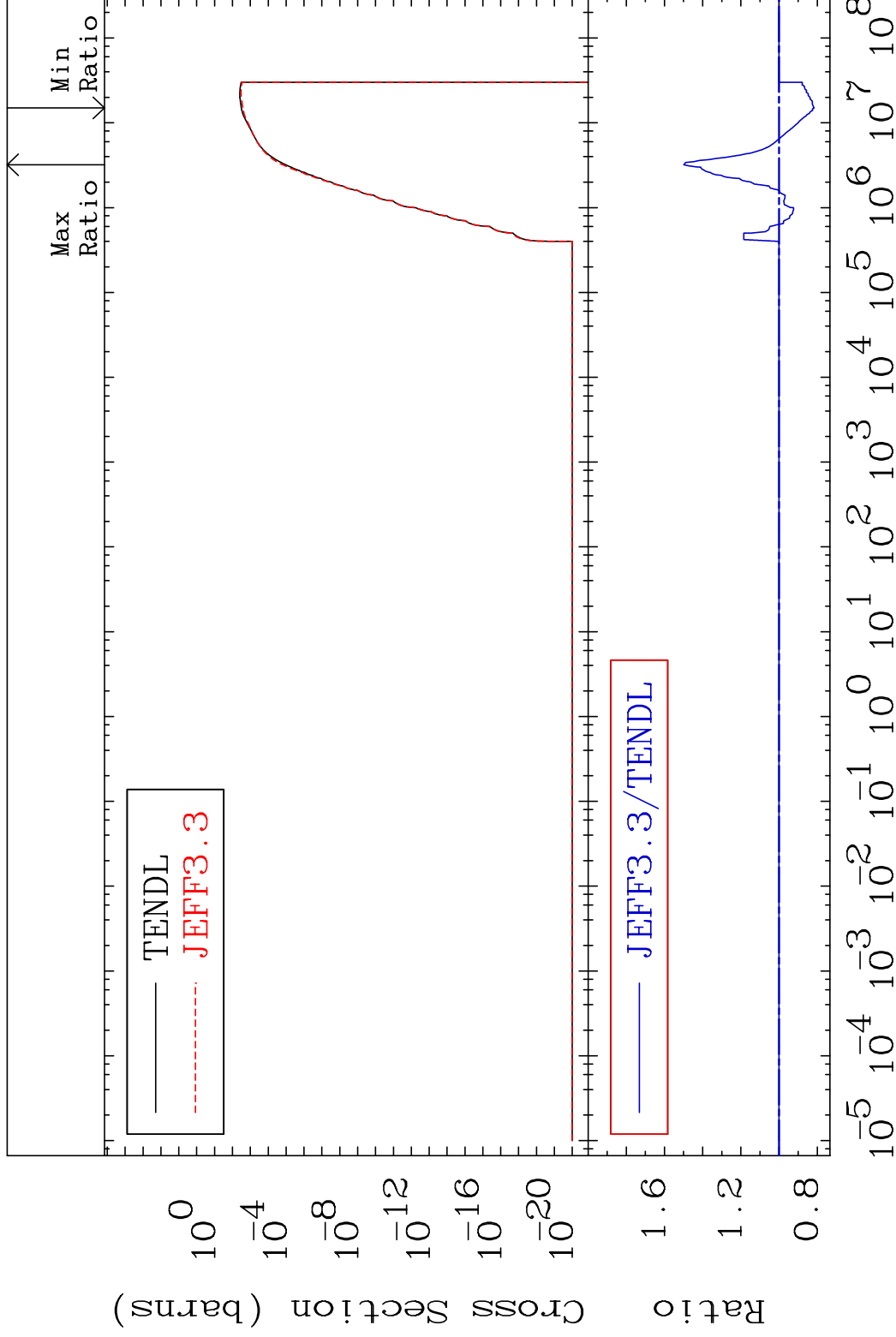
58-Ce-136

MAT 5825

(n, p)

58-Ce-136

Cross Section -18.34 To 49.94 %



43

Incident Energy (eV)

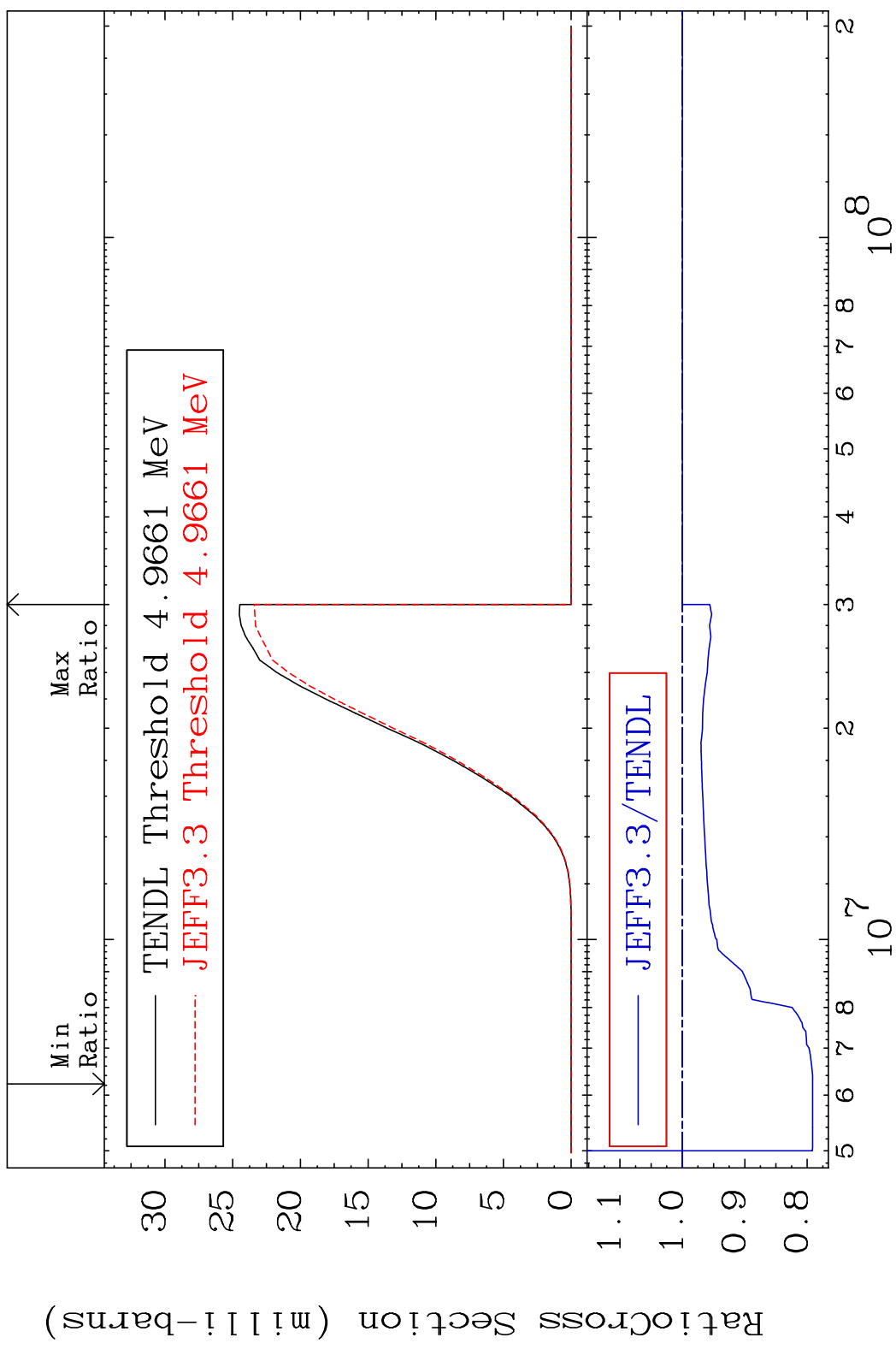
58-Ce-136

MAT 5825

(n,d)

58-Ce-136

Cross Section -20.86 To 0.000 %

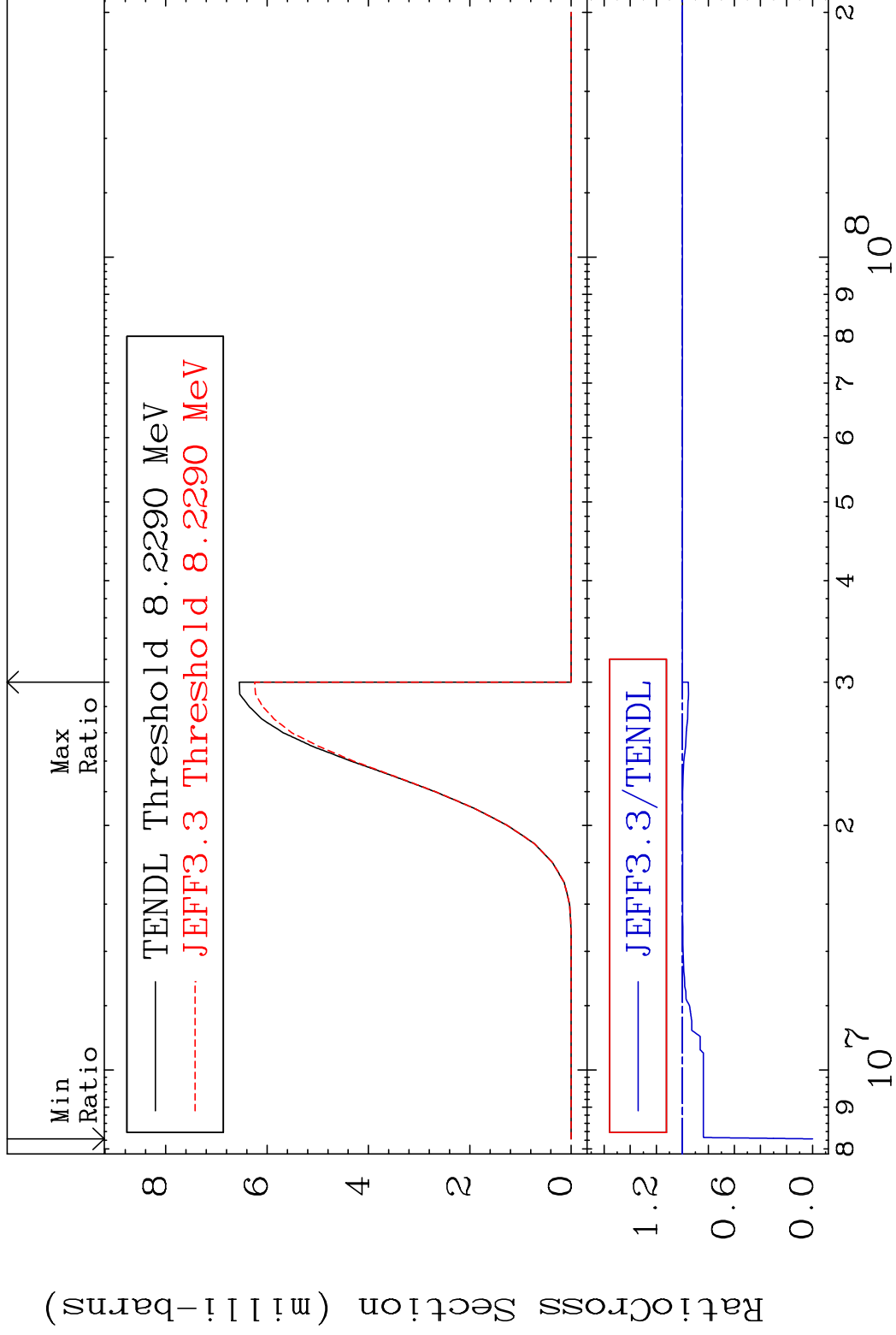


MAT 5825

(n, t)

58-Ce-136

Cross Section -100.0 To 0.000 %



45

Incident Energy (eV)

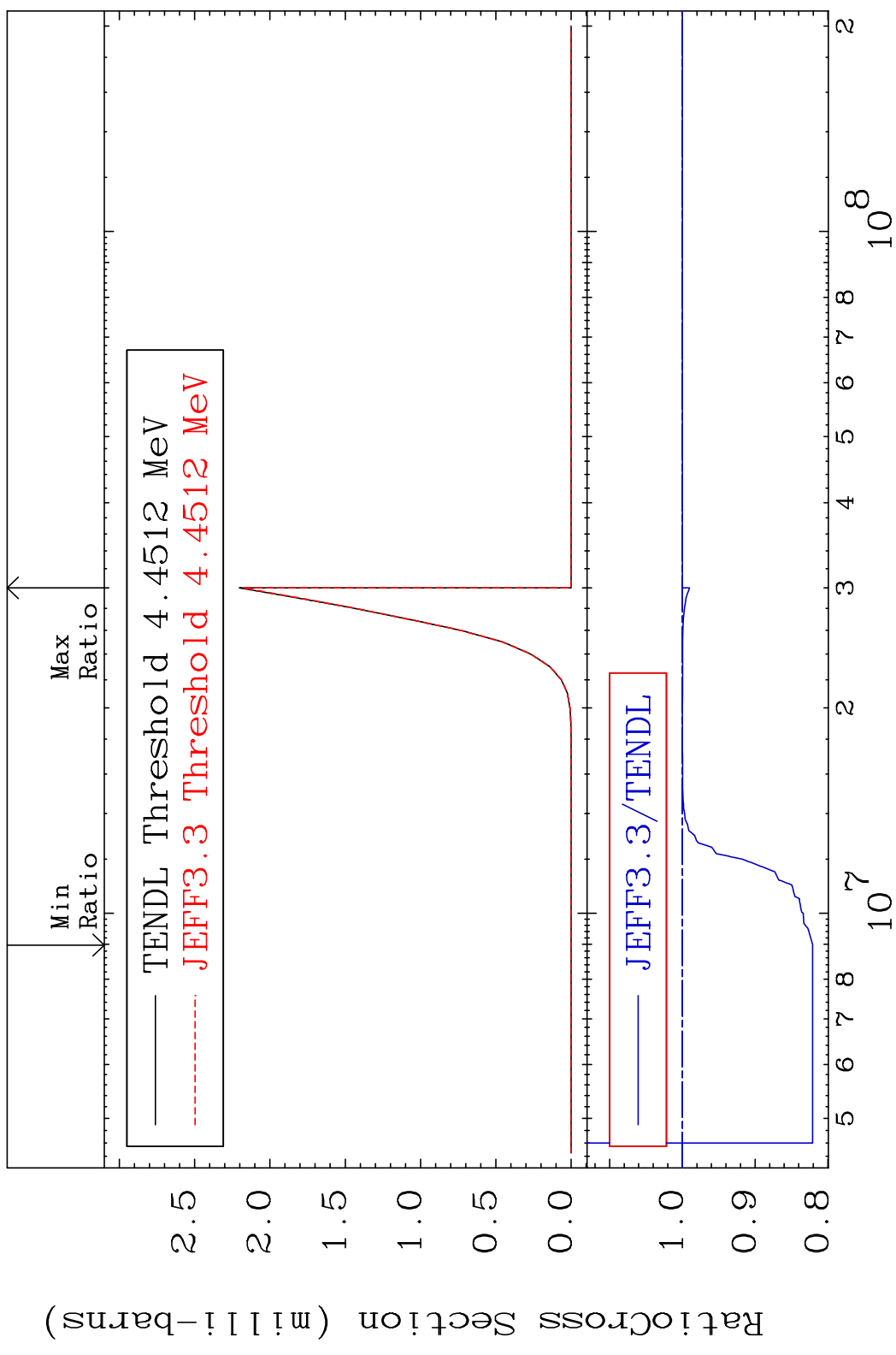
58-Ce-136

MAT 5825

(n, He-3)

58-Ce-136

Cross Section -17.90 To 0.000 %

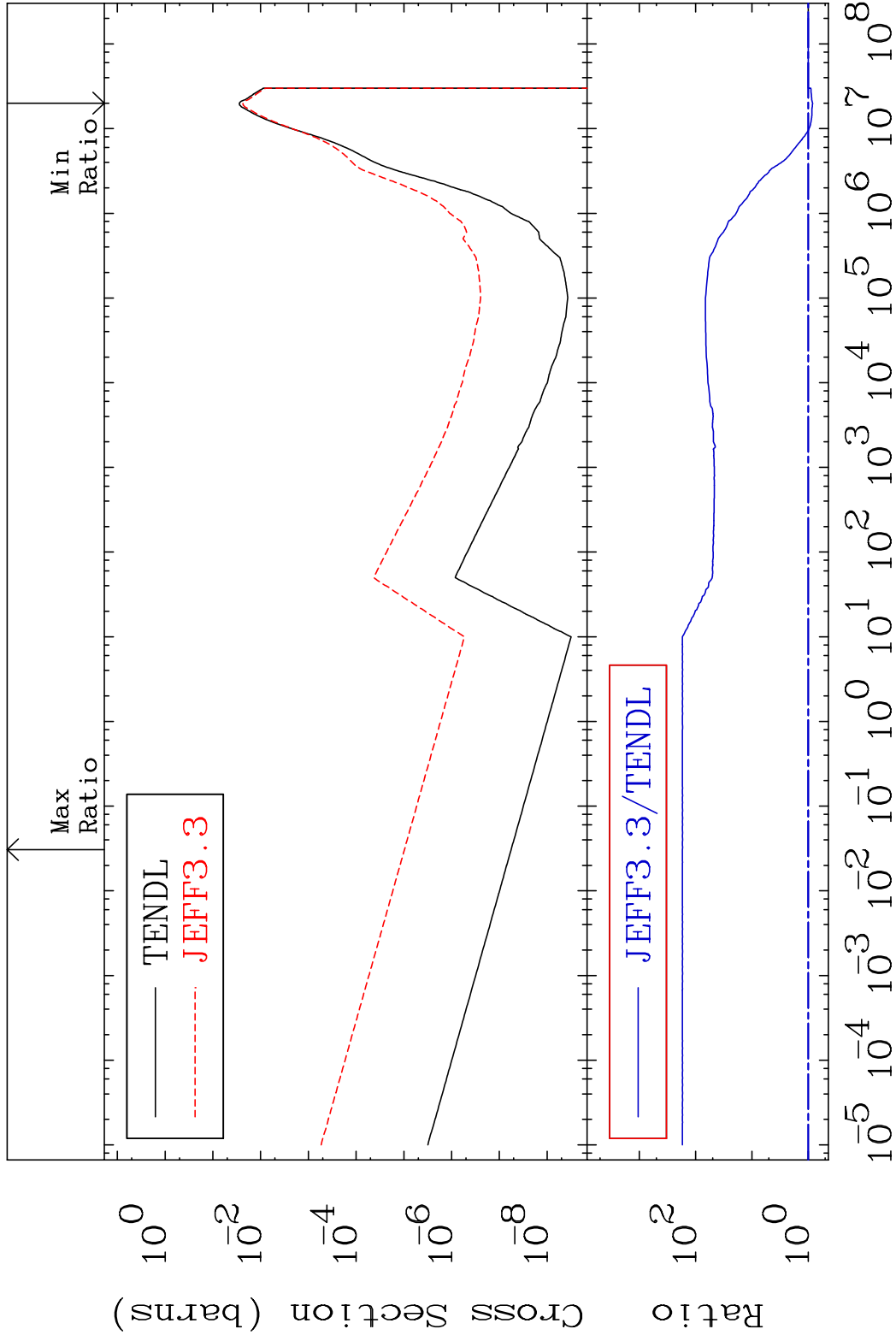


MAT 5825

(n, α)

58-Ce-136

Cross Section -16.03 To 9999. %



47

Incident Energy (eV)

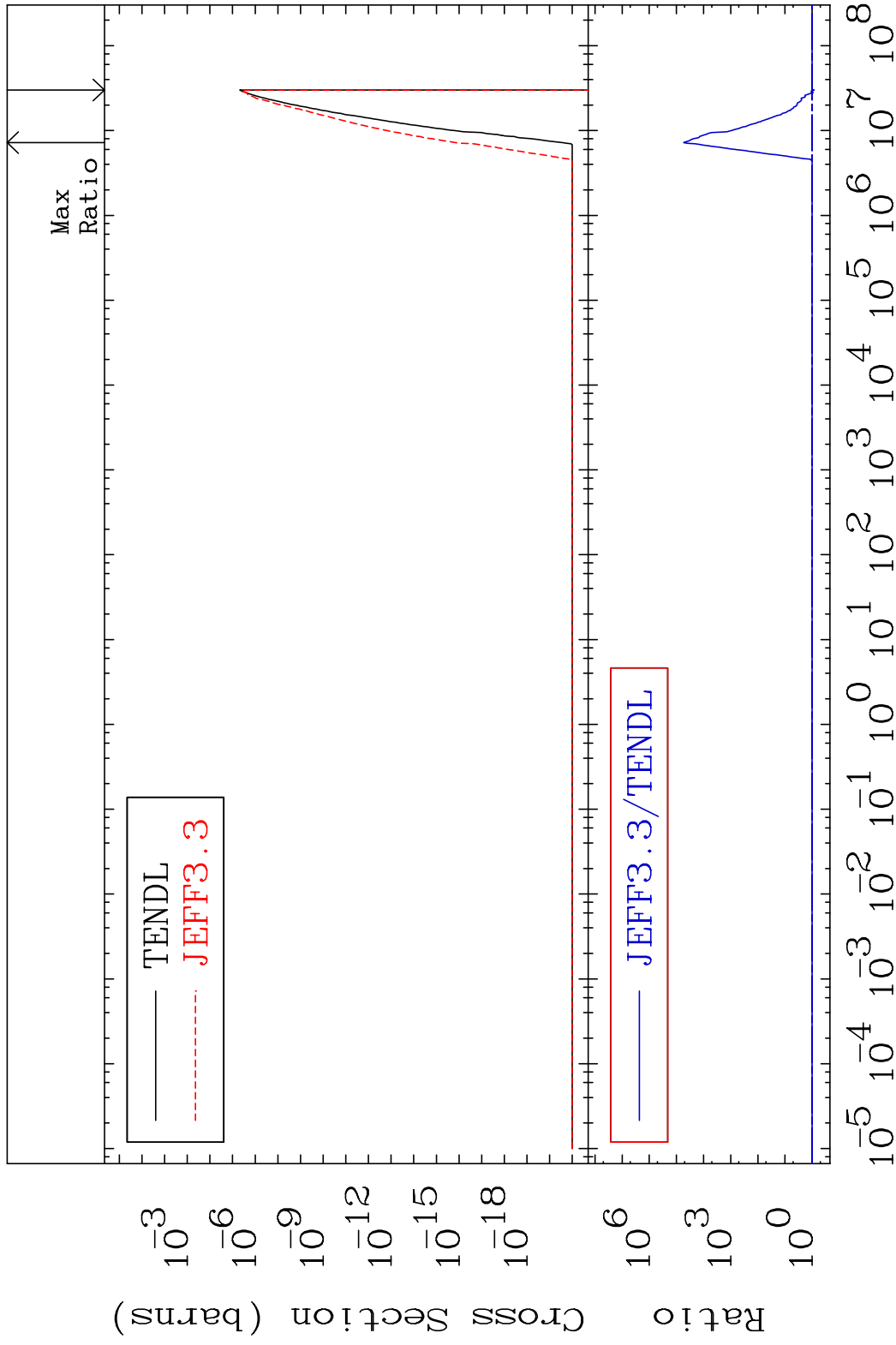
58-Ce-136

MAT 5825

(n, 2α)

58-Ce-136

Cross Section -15.59 To 9999. %



48

Incident Energy (eV)

58-Ce-136

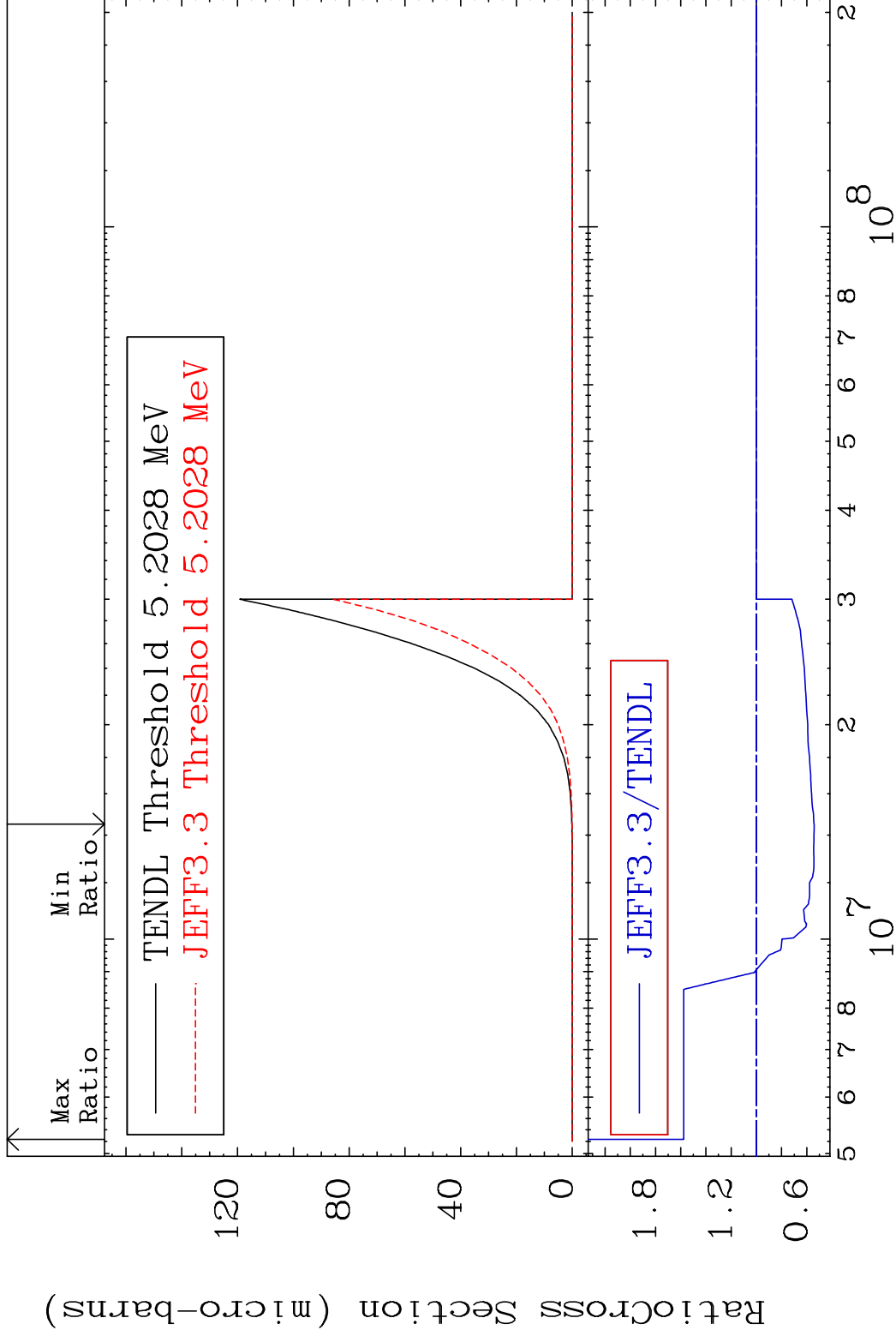
MAT 5825

(n,2p)

58-Ce-136

Cross Section

-45.82 To 57.67 %



49

Incident Energy (eV)

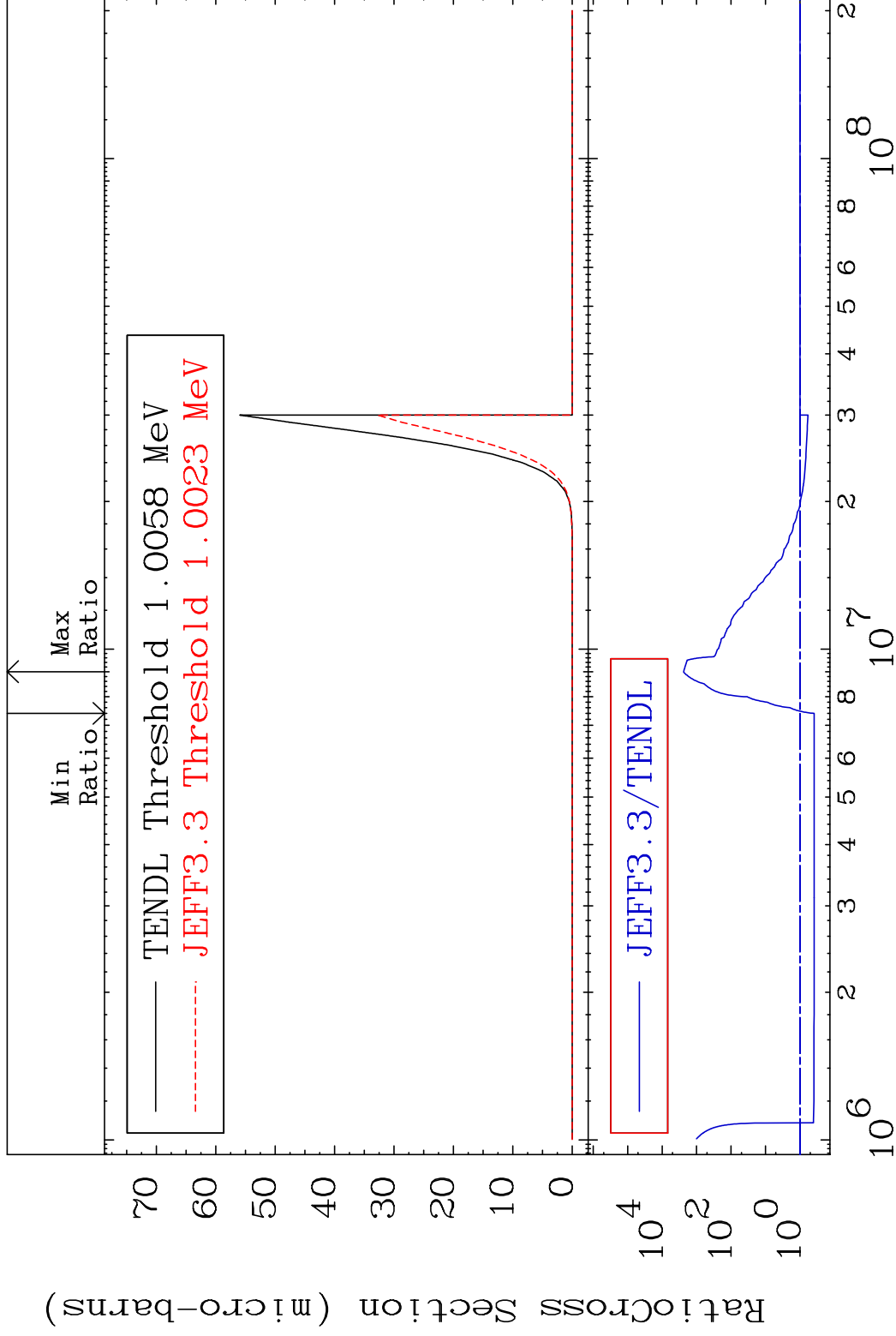
58-Ce-136

MAT 5825

(n,p) α

58-Ce-136

Cross Section -61.26 To 9999. %



50

Incident Energy (eV)

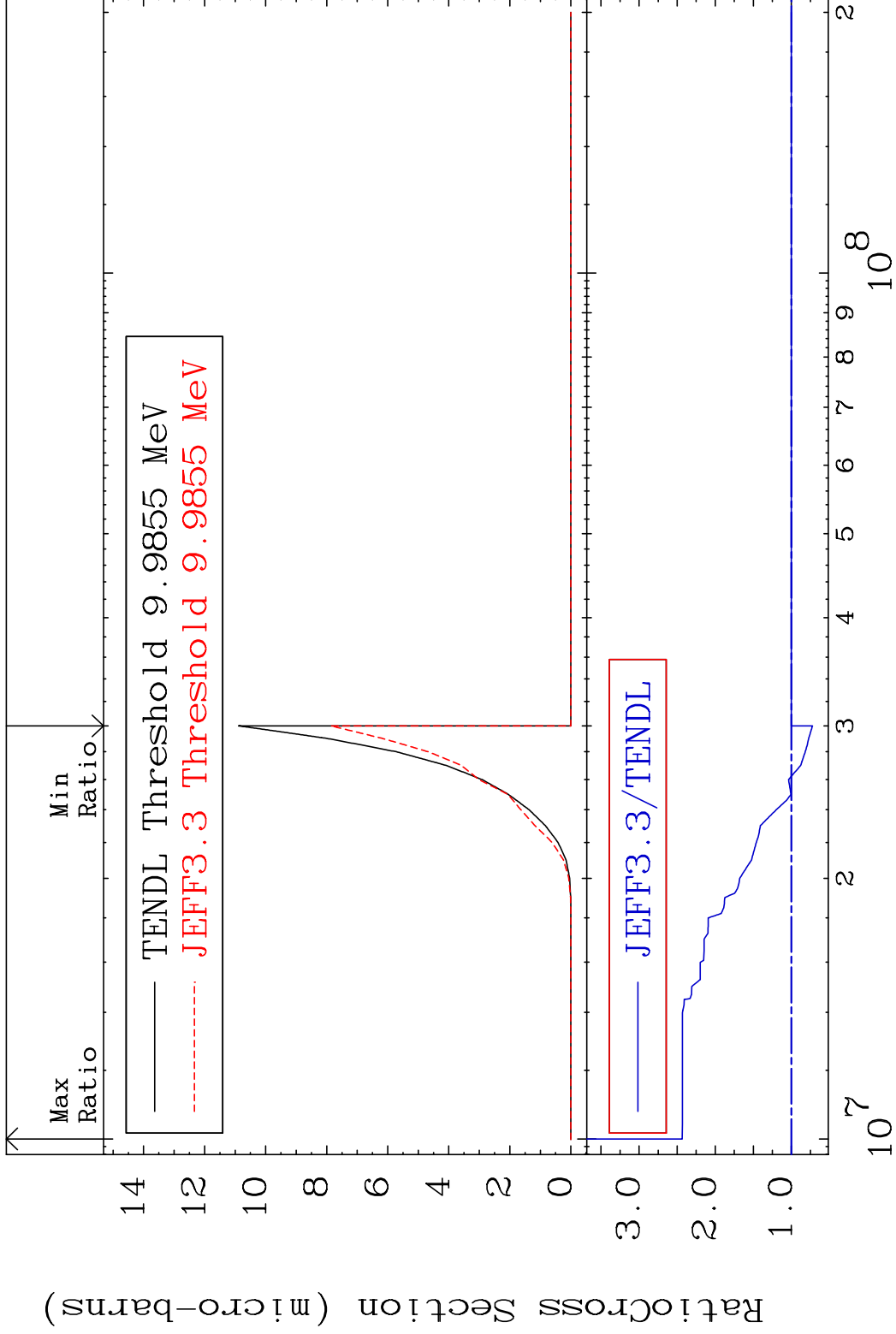
58-Ce-136

MAT 5825

(n,p) d

58-Ce-136

Cross Section -27.67 To 143.4 %

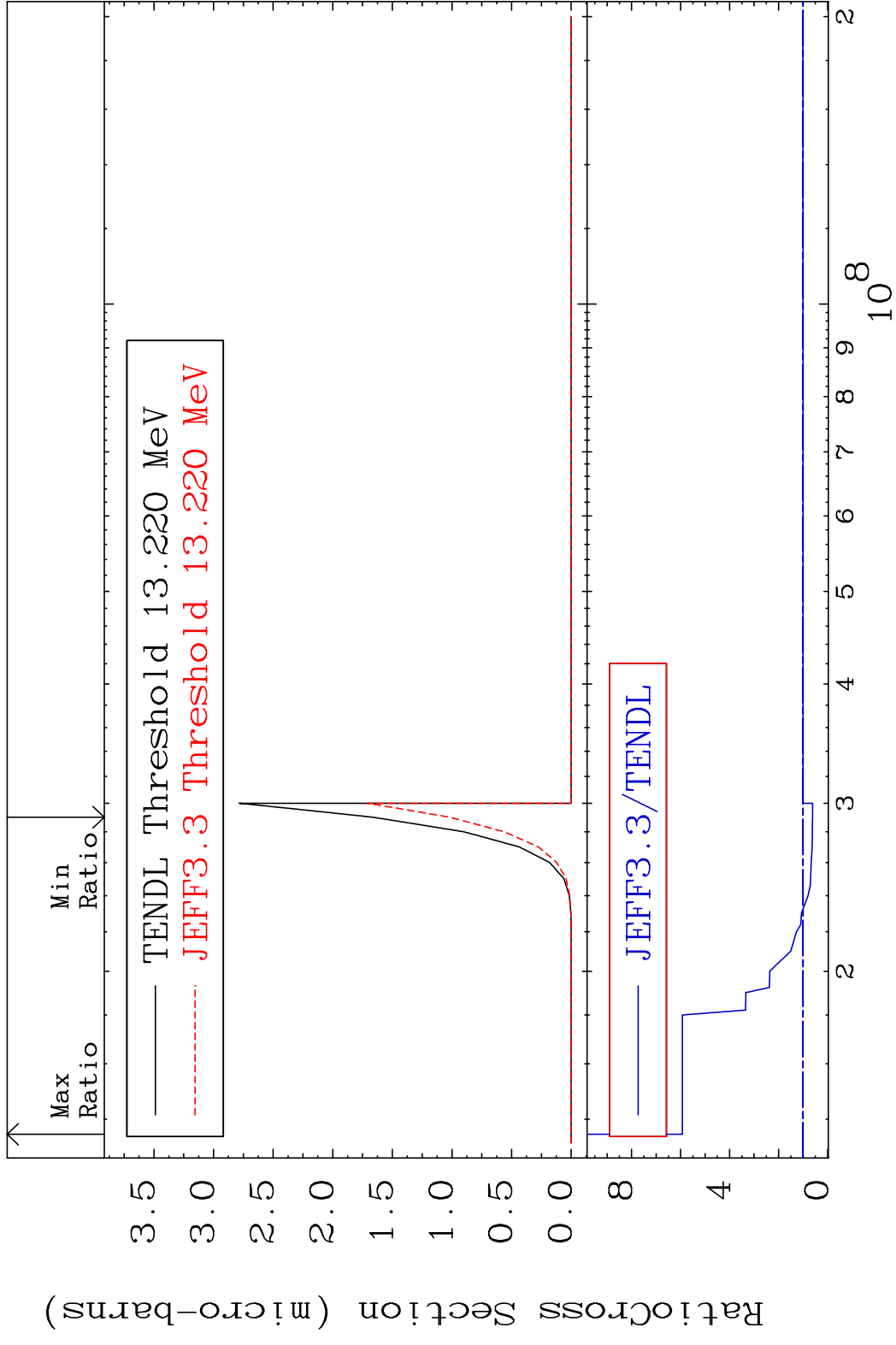


51

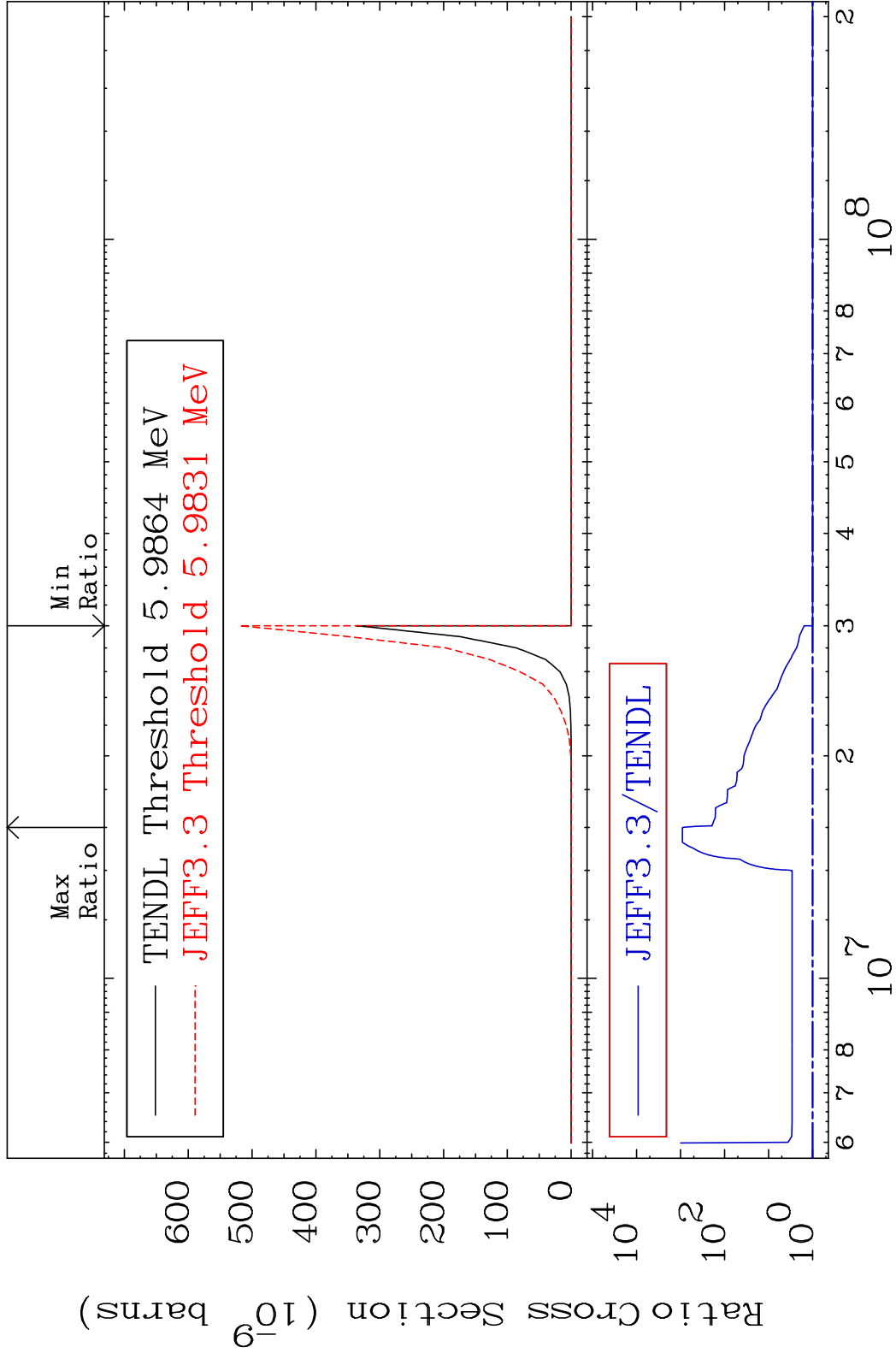
Incident Energy (eV)

58-Ce-136

MAT 5825 (n,p) t 58-Ce-136
 Cross Section -38.71 To 492.9 %



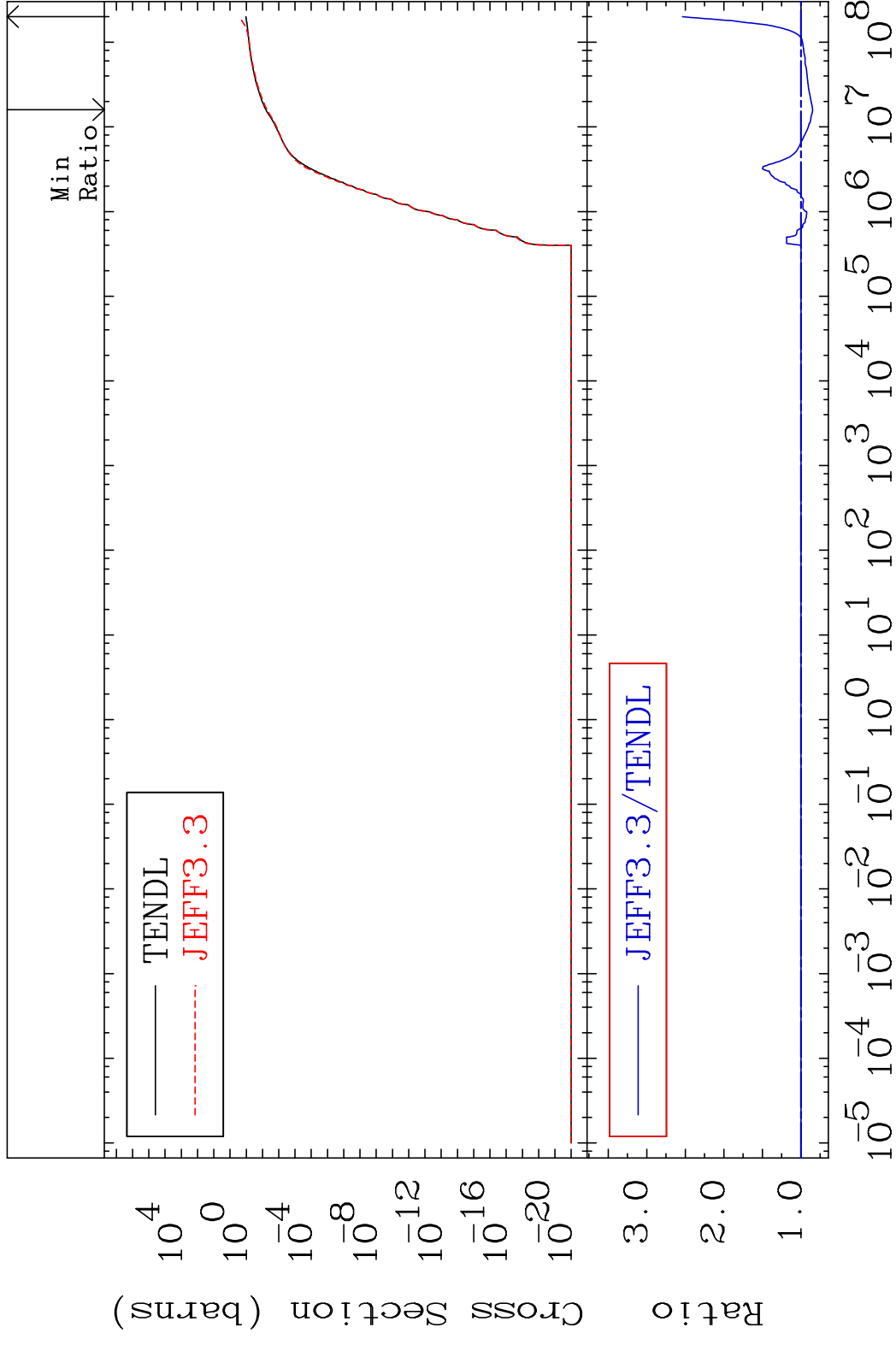
MAT 5825 (n,d) α 58-Ce-136
 Cross Section 0.000 To 9999. %



MAT 5825

Hydrogen Production
Cross Section -15.17 To 153.8 %

58-Ce-136

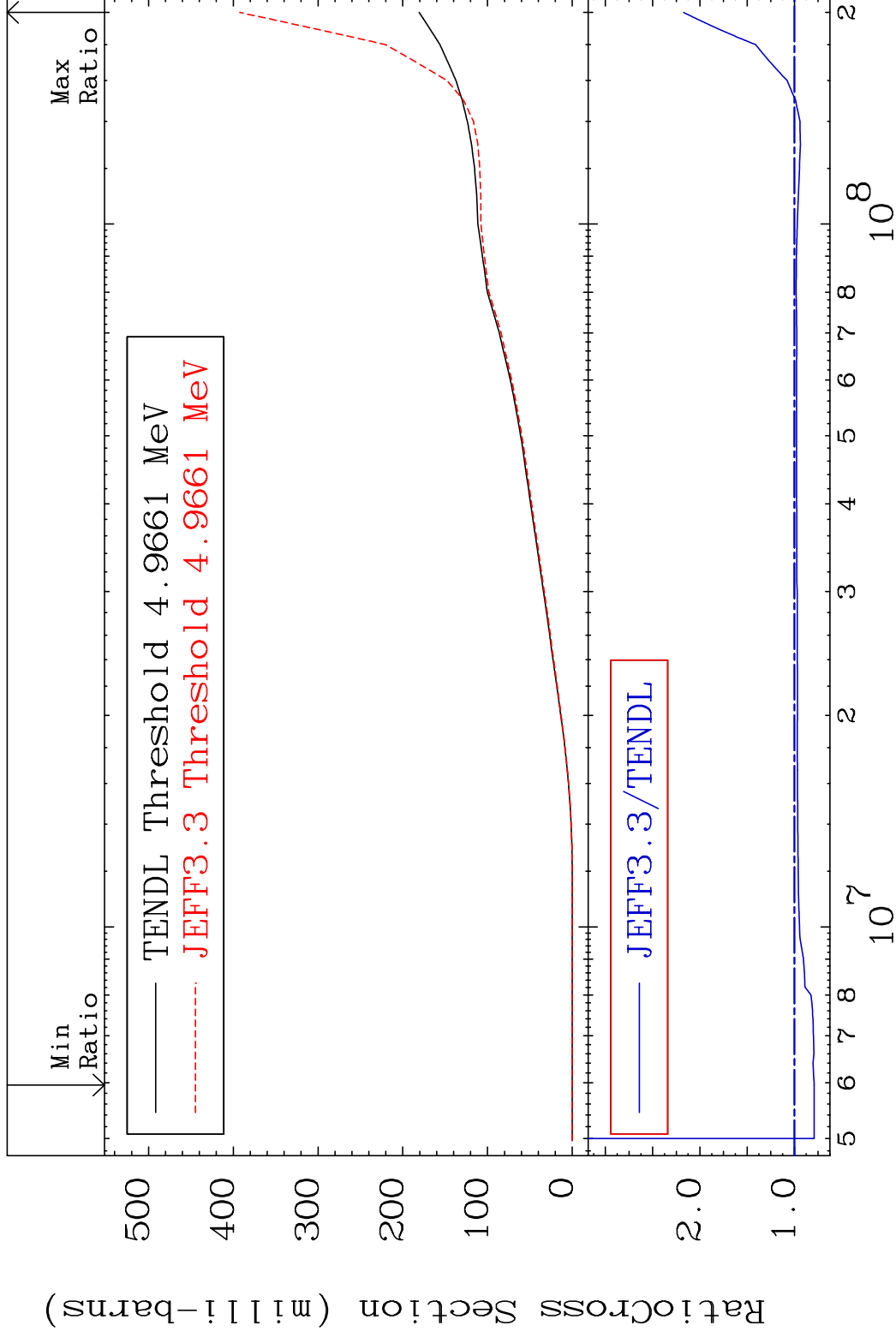


MAT 5825

Deuterium Production

58-Ce-136

Cross Section -20.86 To 117.2 %

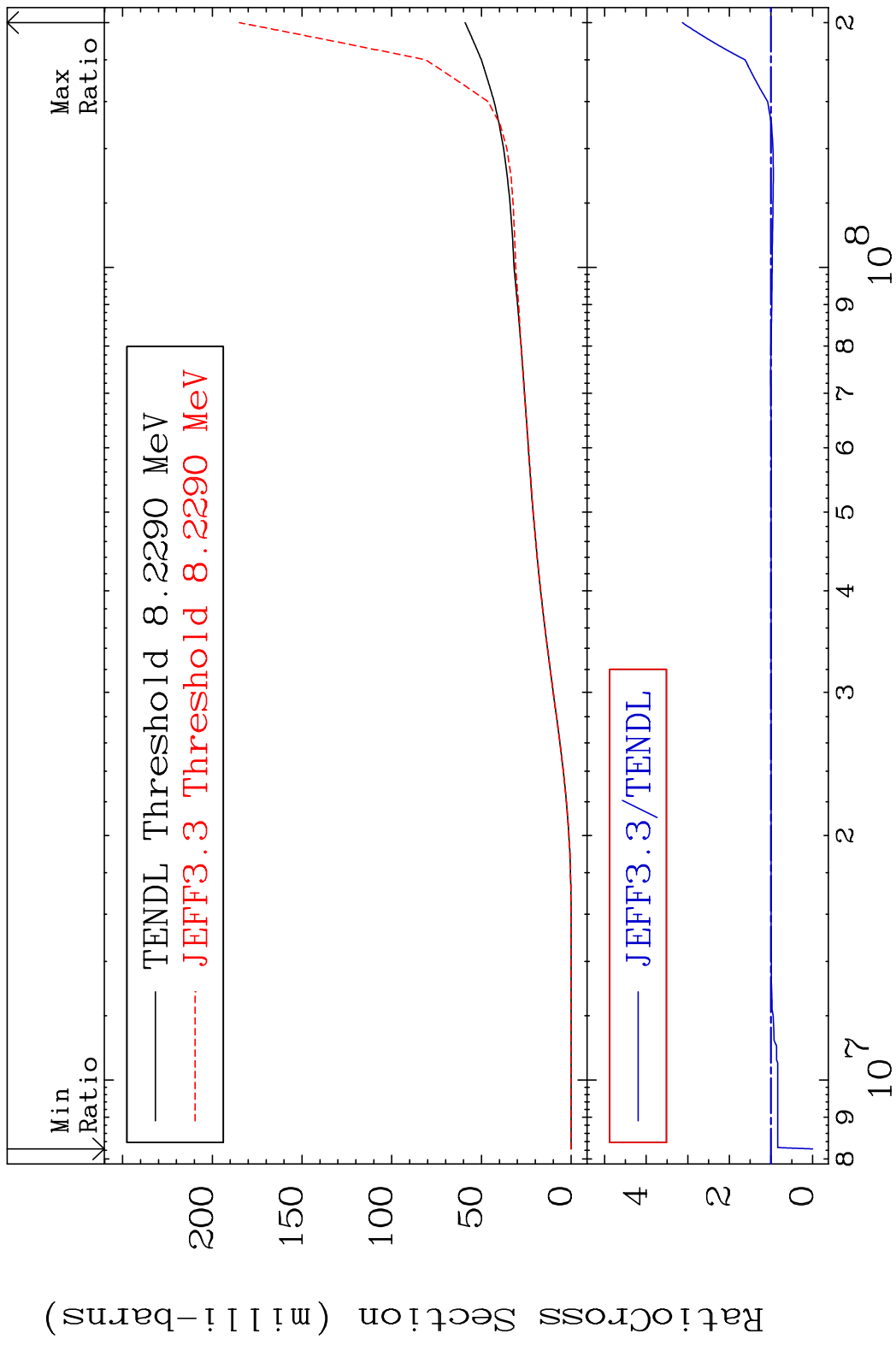


55

Incident Energy (eV)

58-Ce-136

MAT 5825 Tritium Production 58-Ce-136
 Cross Section -100.0 To 213.1 %



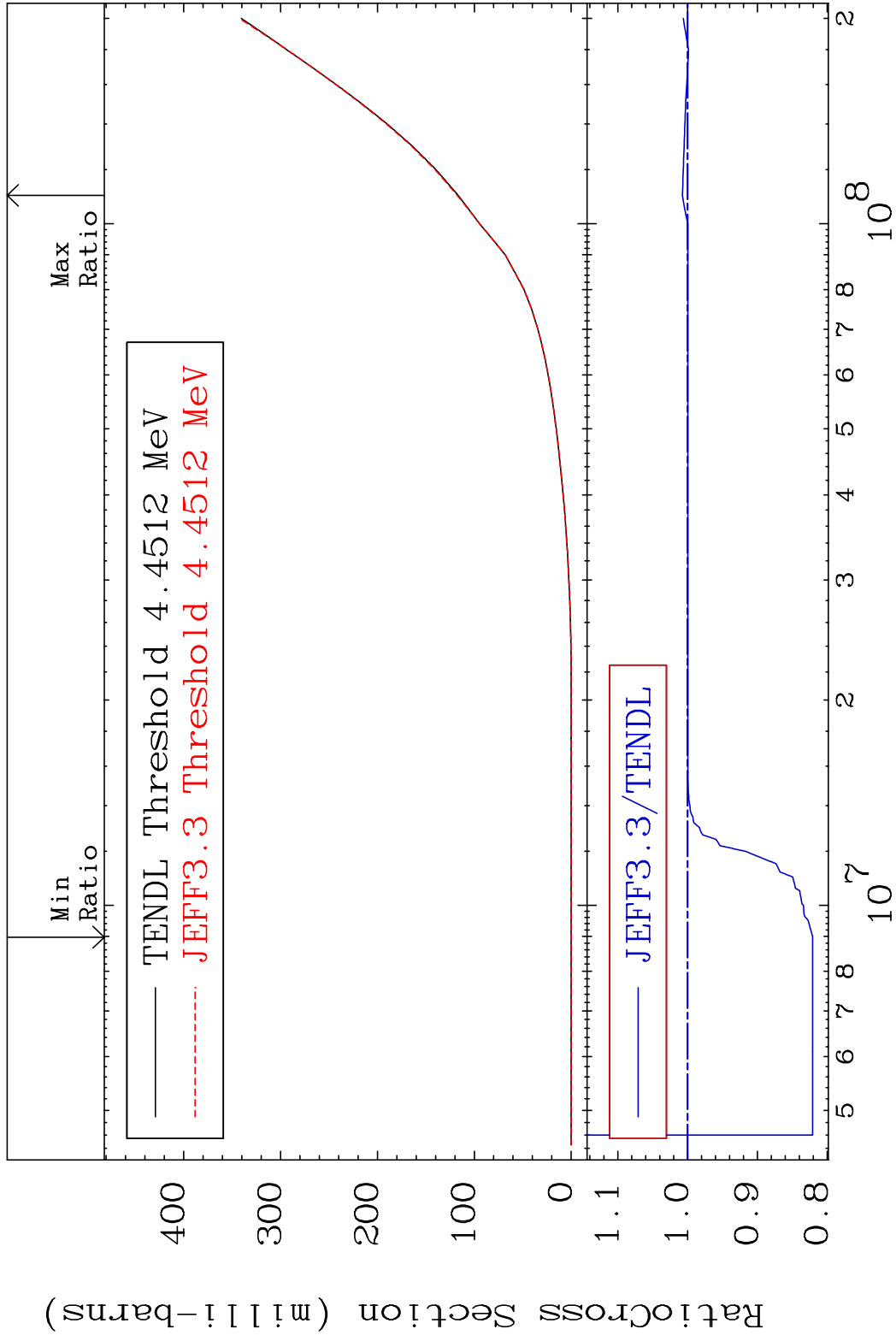
56 Incident Energy (eV) 58-Ce-136

MAT 5825

He-3 Production

58-Ce-136

Cross Section -17.90 To 0.756 %



57

Incident Energy (eV)

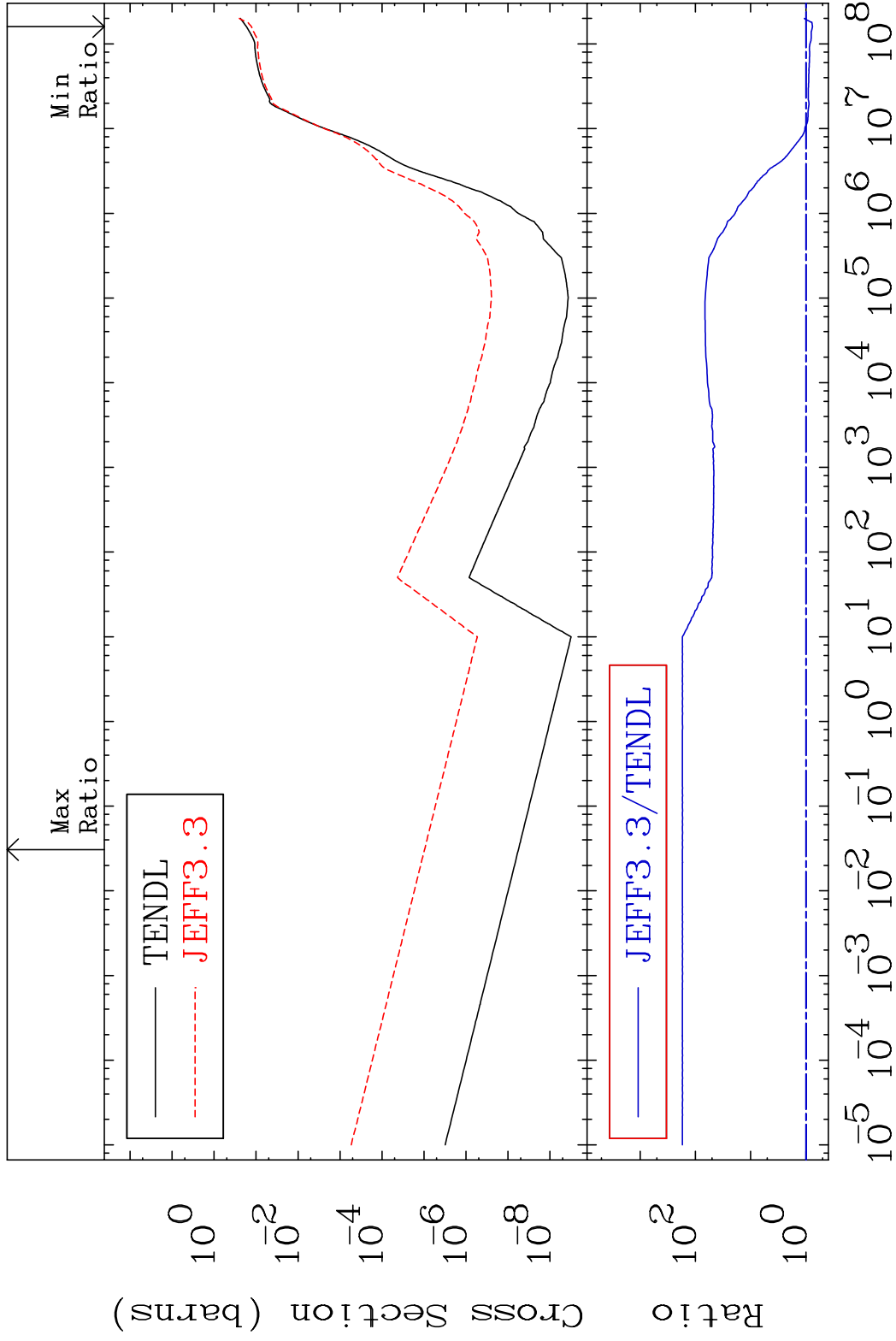
58-Ce-136

MAT 5825

He-4 Production

58-Ce-136

Cross Section -24.06 To 9999. %



58

Incident Energy (eV)

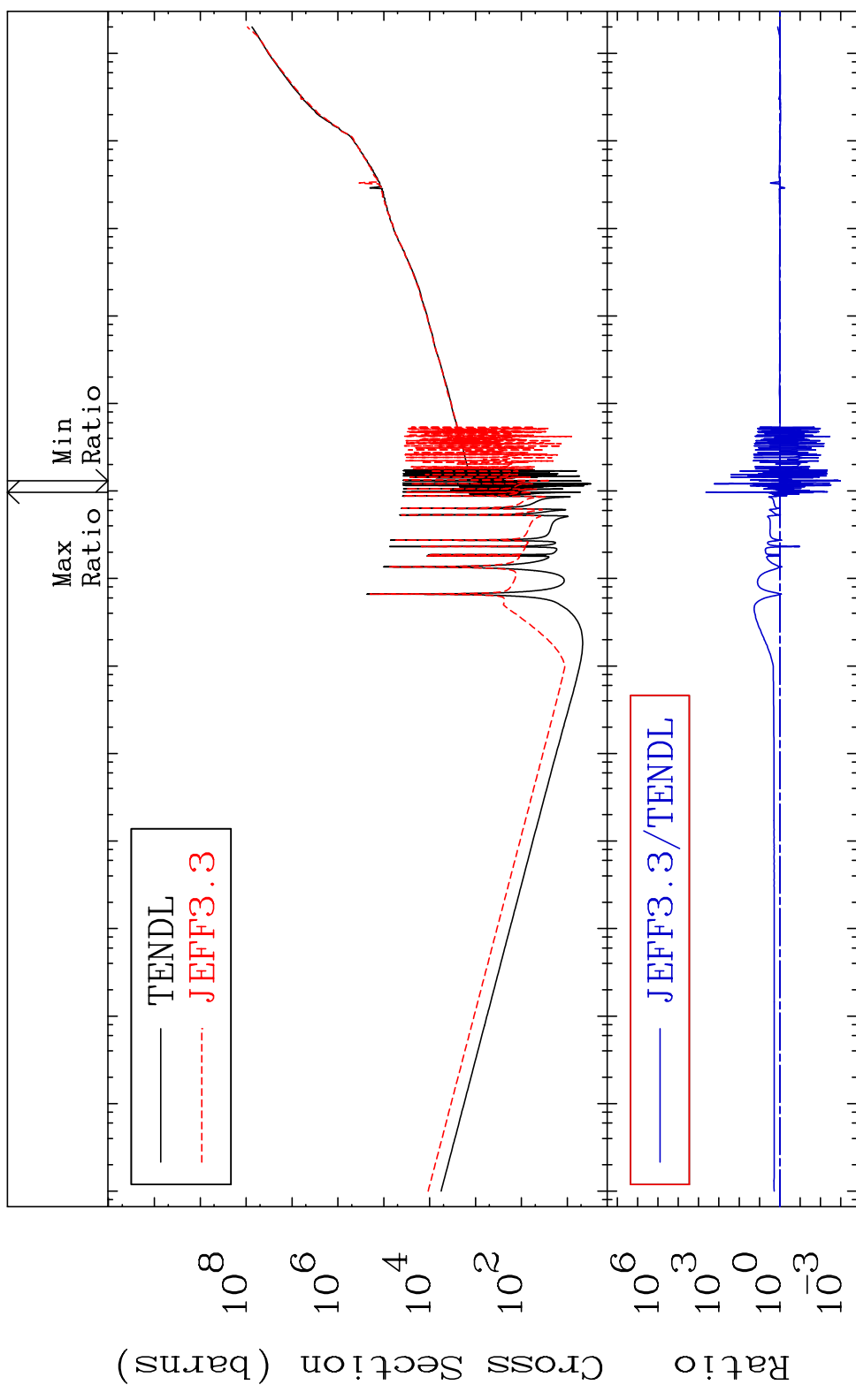
58-Ce-136

MAT 5825

Kerma total (eV-barns)

58-Ce-136

Cross Section -99.90 To 9999. %



59

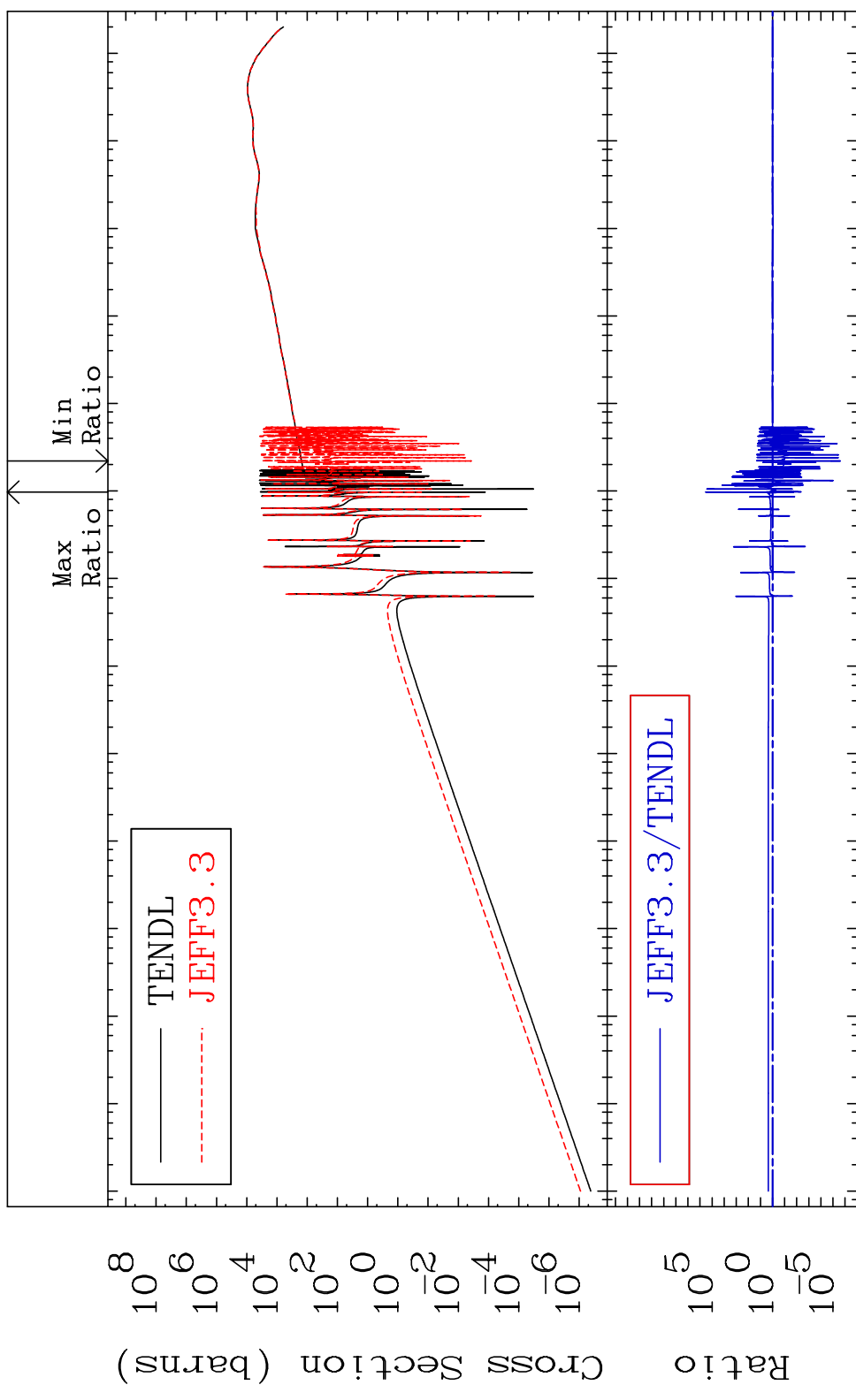
Incident Energy (eV)

58-Ce-136

MAT 5825

Kerma elastic
Cross Section -100.0 To 9999. %

58-Ce-136

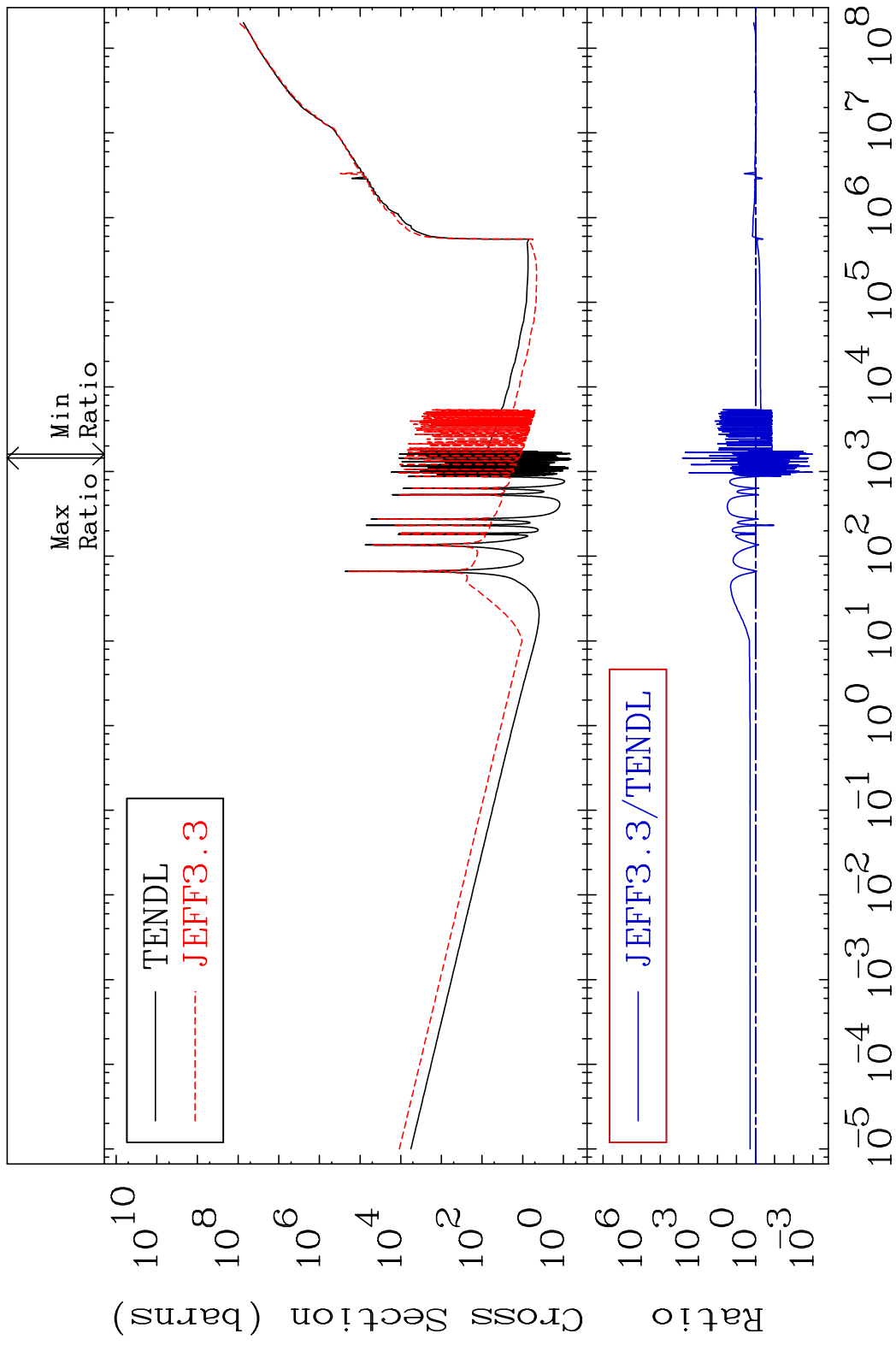


60

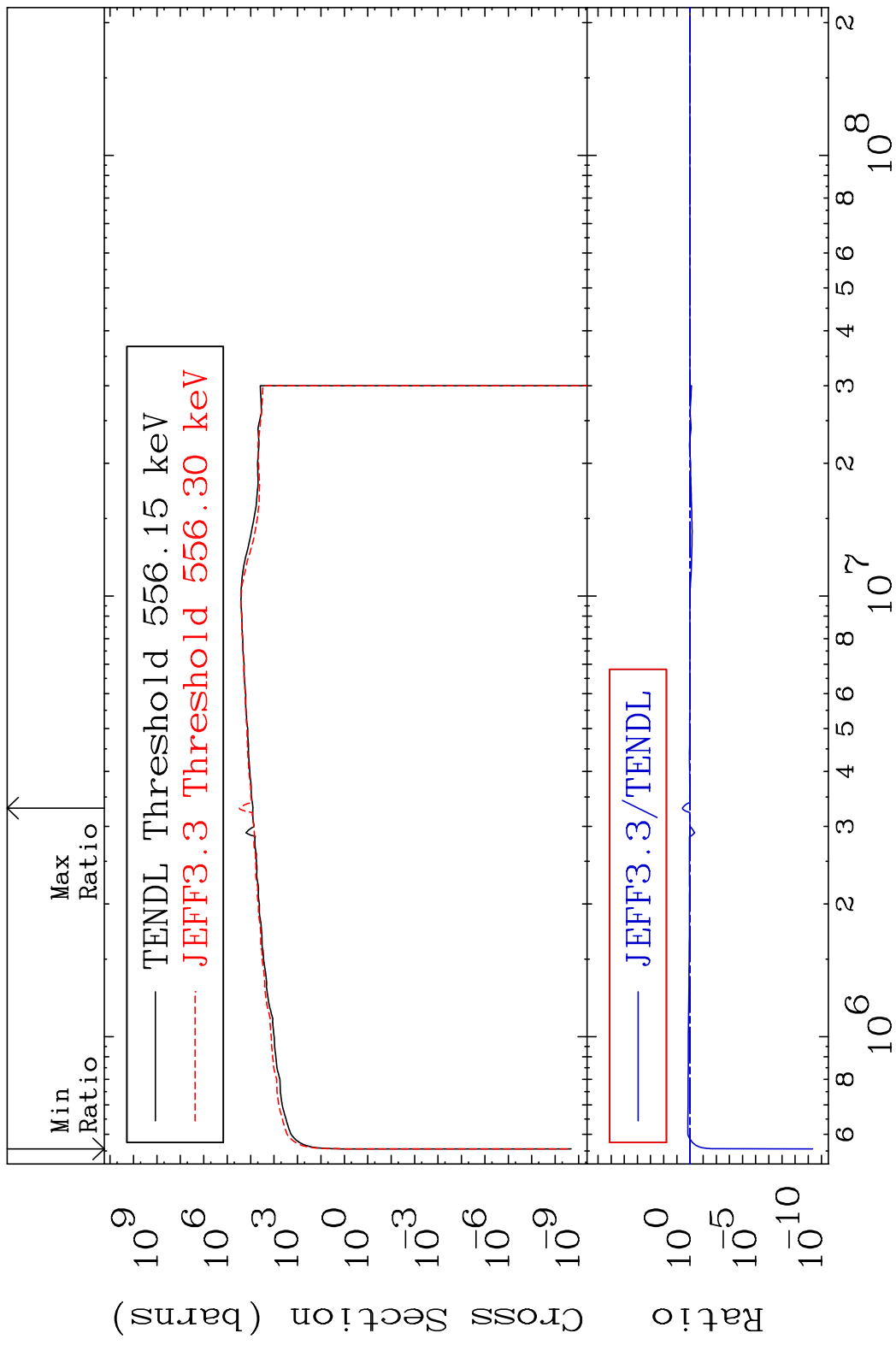
Incident Energy (eV)

58-Ce-136

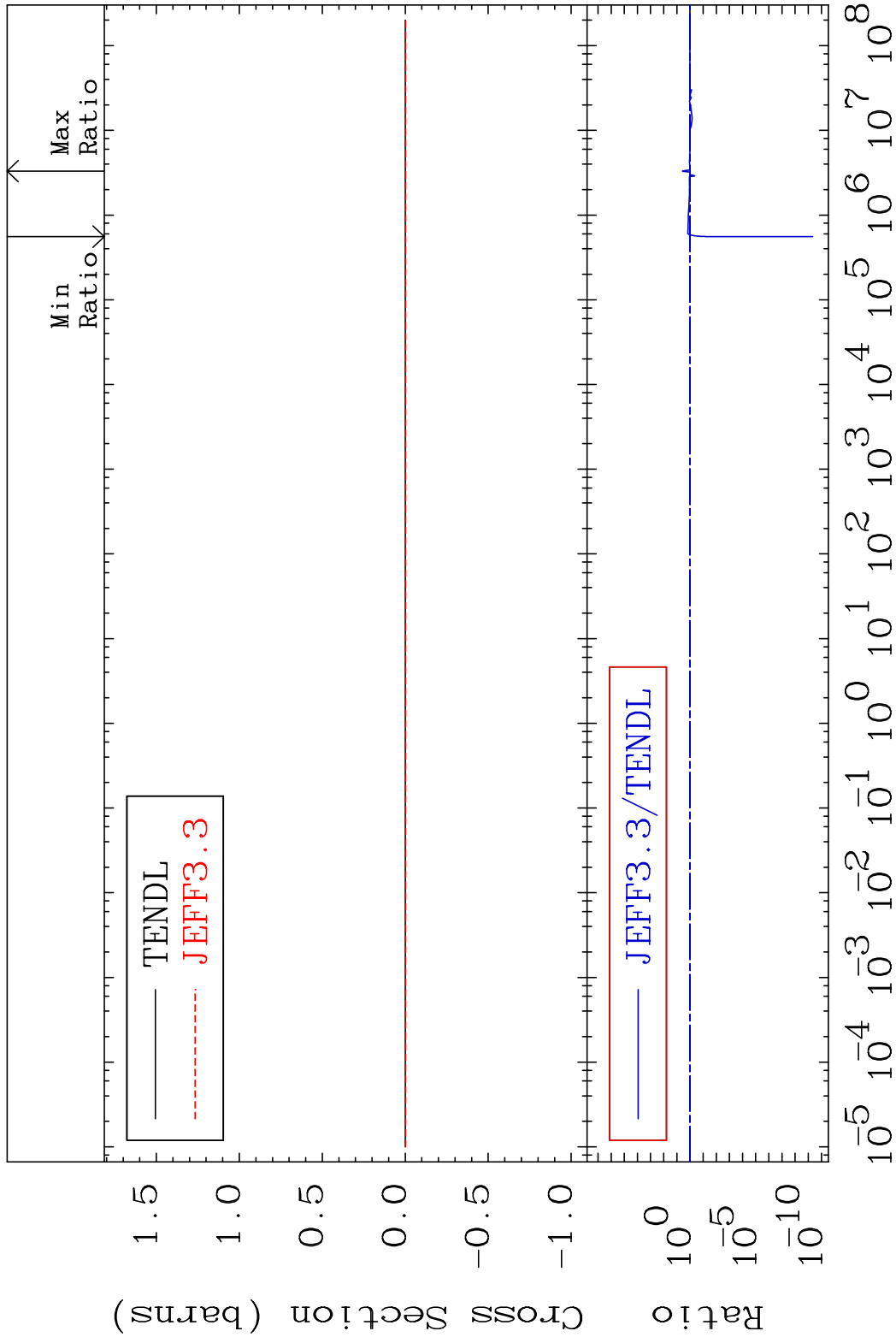
MAT 5825 Kerma non-elastic (all but mt2) 58-Ce-136
 Cross Section -99.90 To 9999. %



MAT 5825 Kerma inelastic (mt51-91) 58-Ce-136
 Cross Section -100.0 To 281.6 %

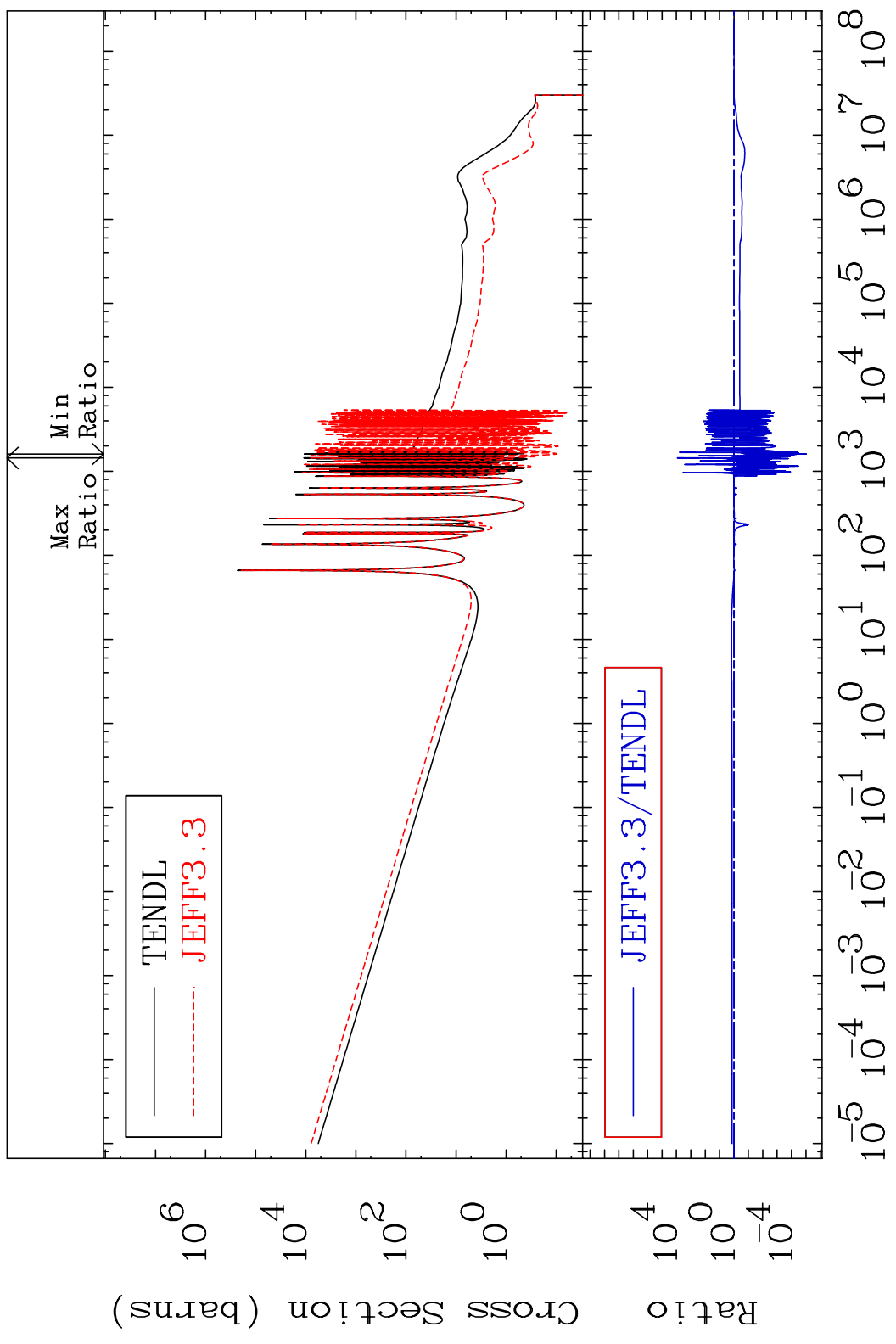


MAT 5825 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-136
 Cross Section -100.0 To 281.6 %



MAT 5825

Kerma capture (mt102) 58-Ce-136
Cross Section -100.0 To 9999. %

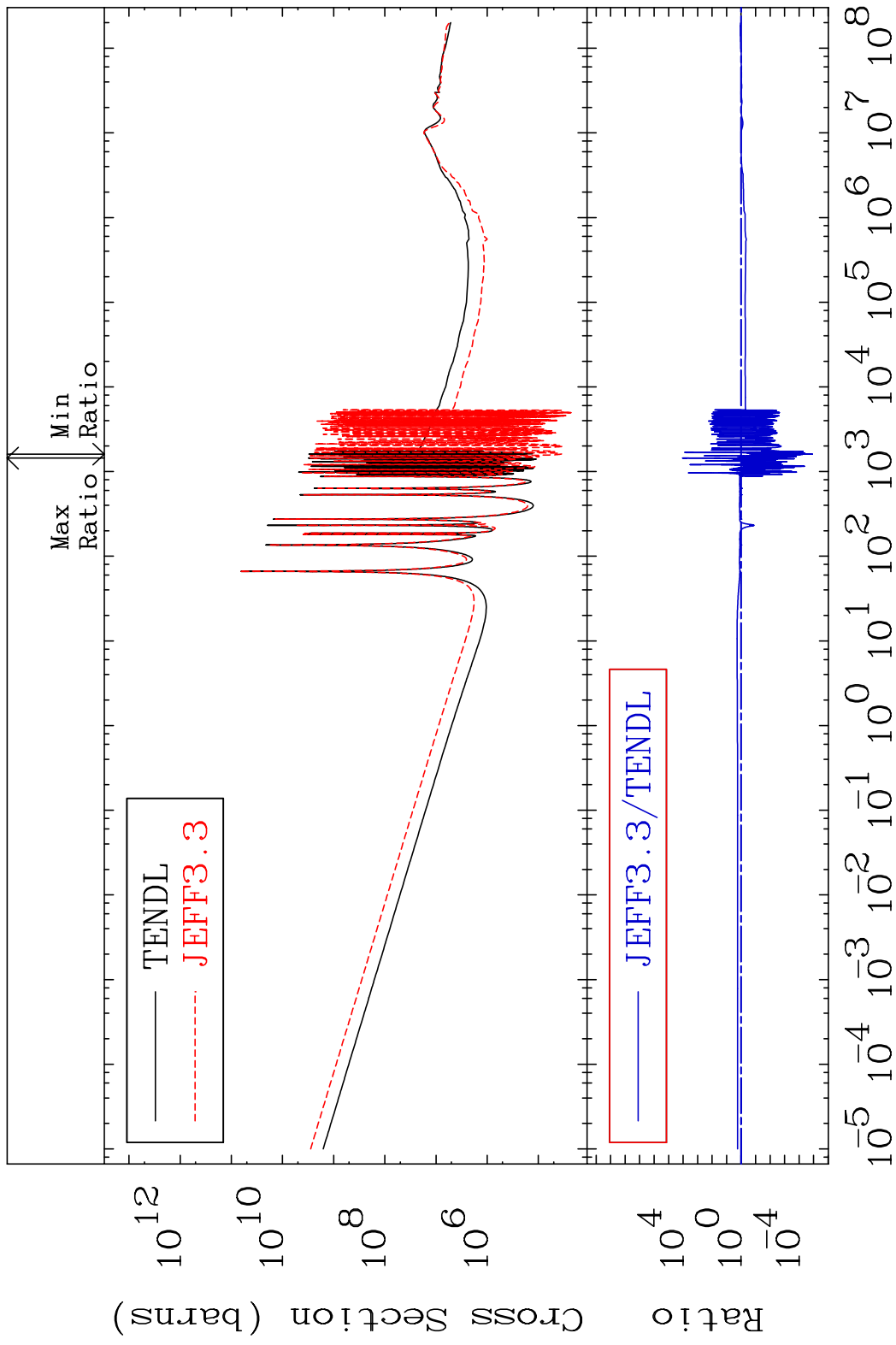


64

Incident Energy (eV)

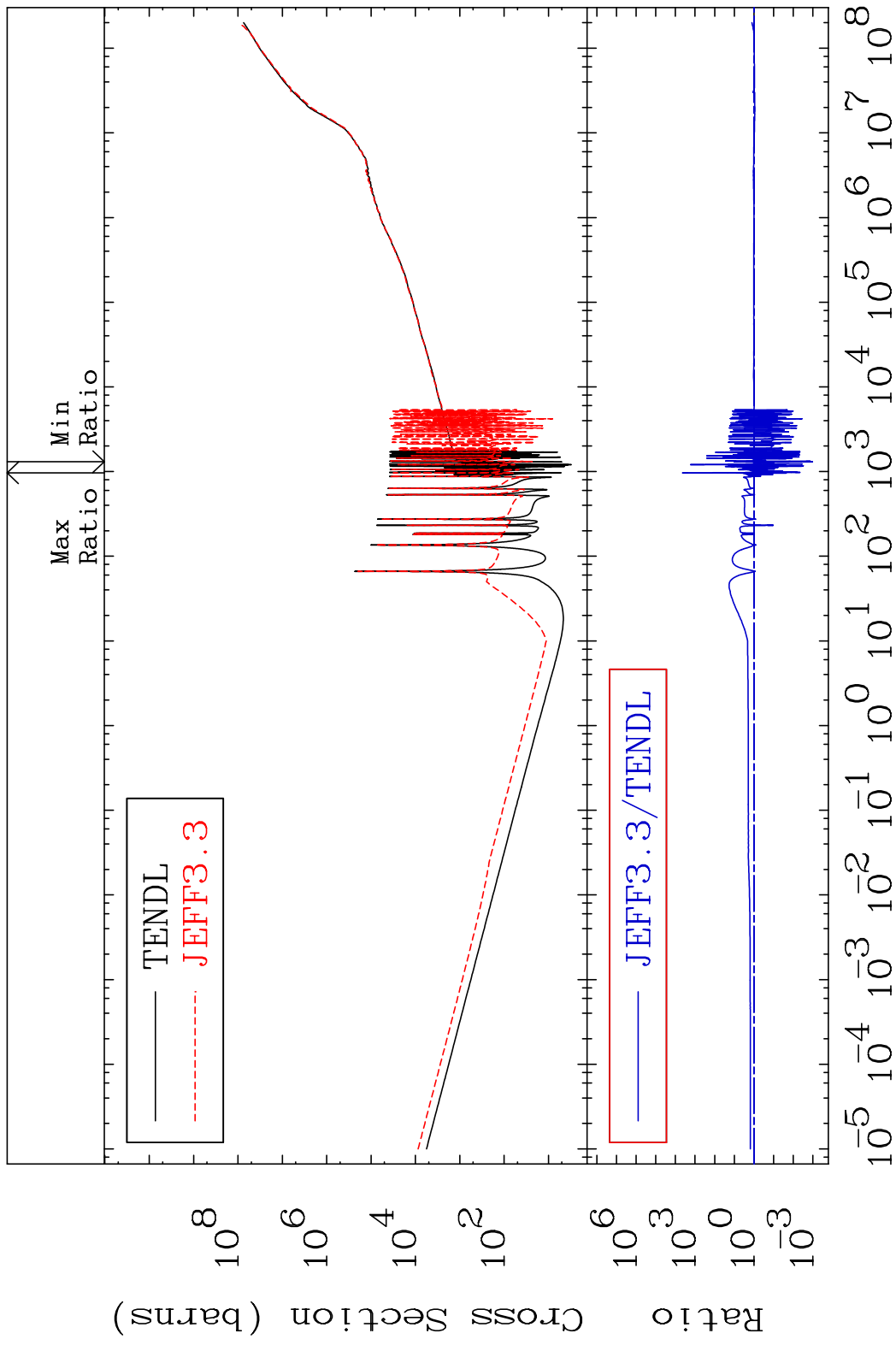
58-Ce-136

MAT 5825 Total photon (eV-barns) 58-Ce-136
 Cross Section -100.0 To 9999. %



65 Incident Energy (eV) 58-Ce-136

MAT 5825 Total kinematic kerma (high limit) 58-Ce-136
Cross Section -99.90 To 9999. %

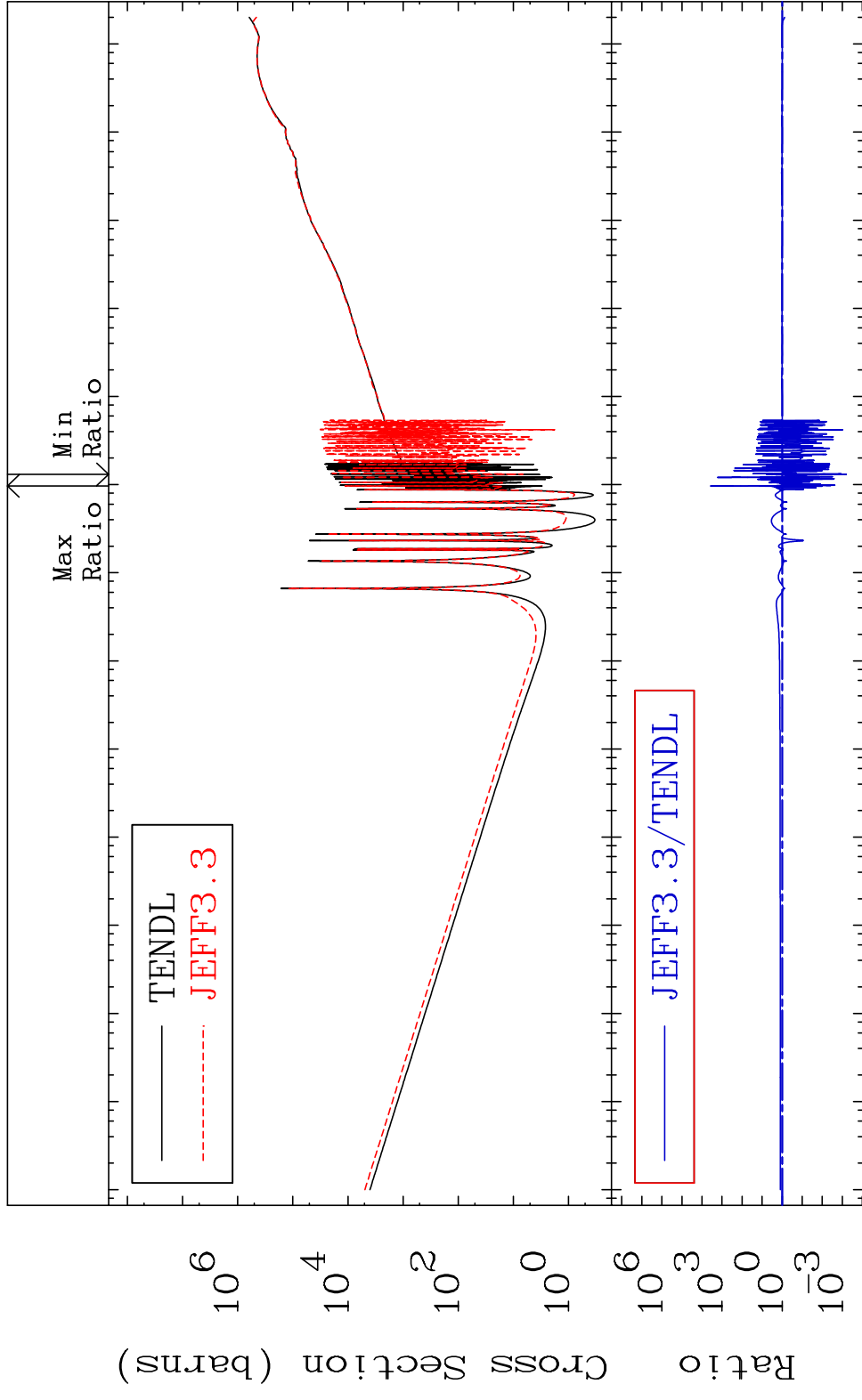


MAT 5825

Dpa total (eV-barns)

58-Ce-136

Cross Section -99.94 To 9999. %



67

Incident Energy (eV)

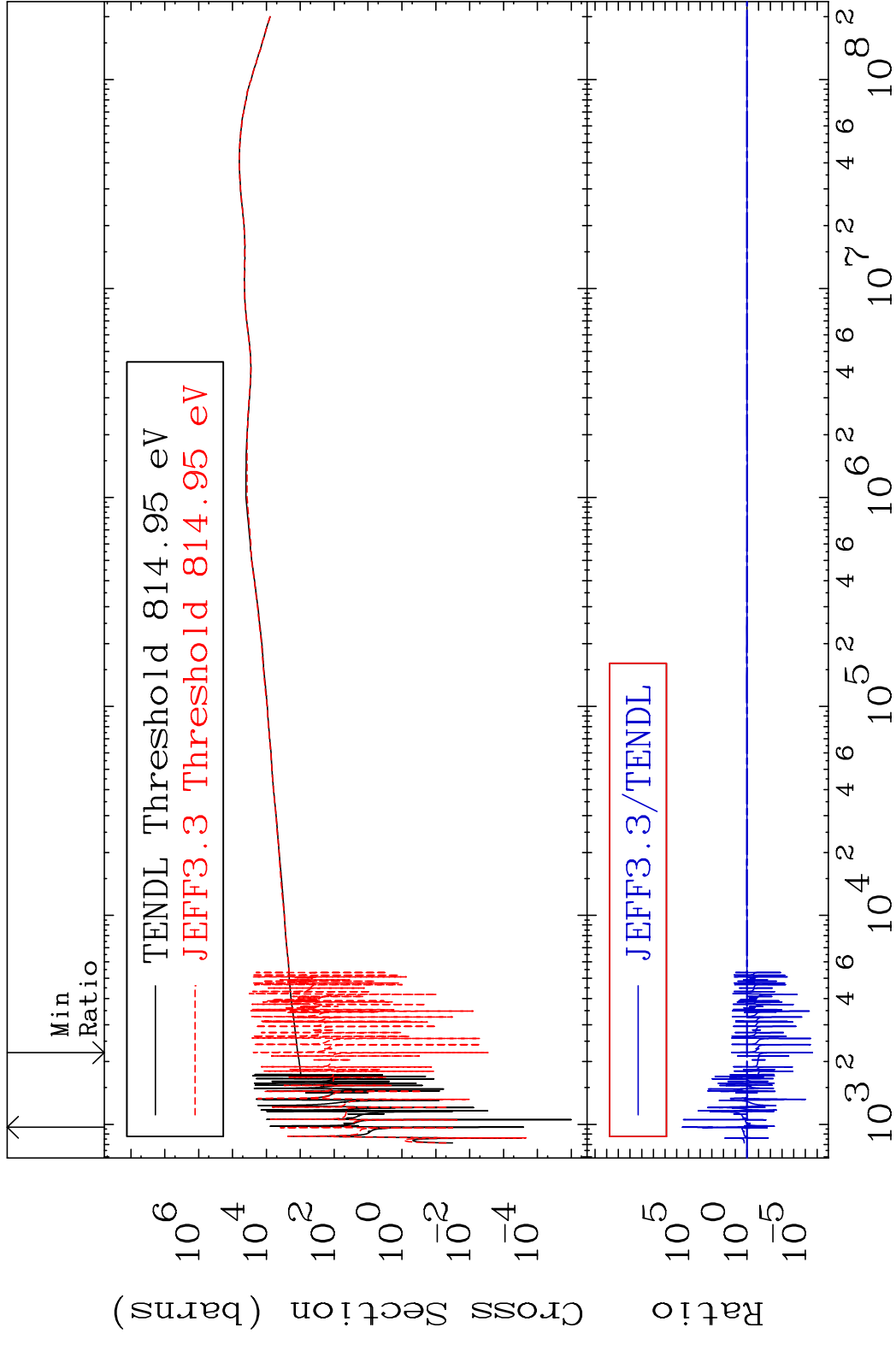
58-Ce-136

MAT 5825

Dpa elastic (mt2)

58-Ce-136

Cross Section -100.0 To 9999. %

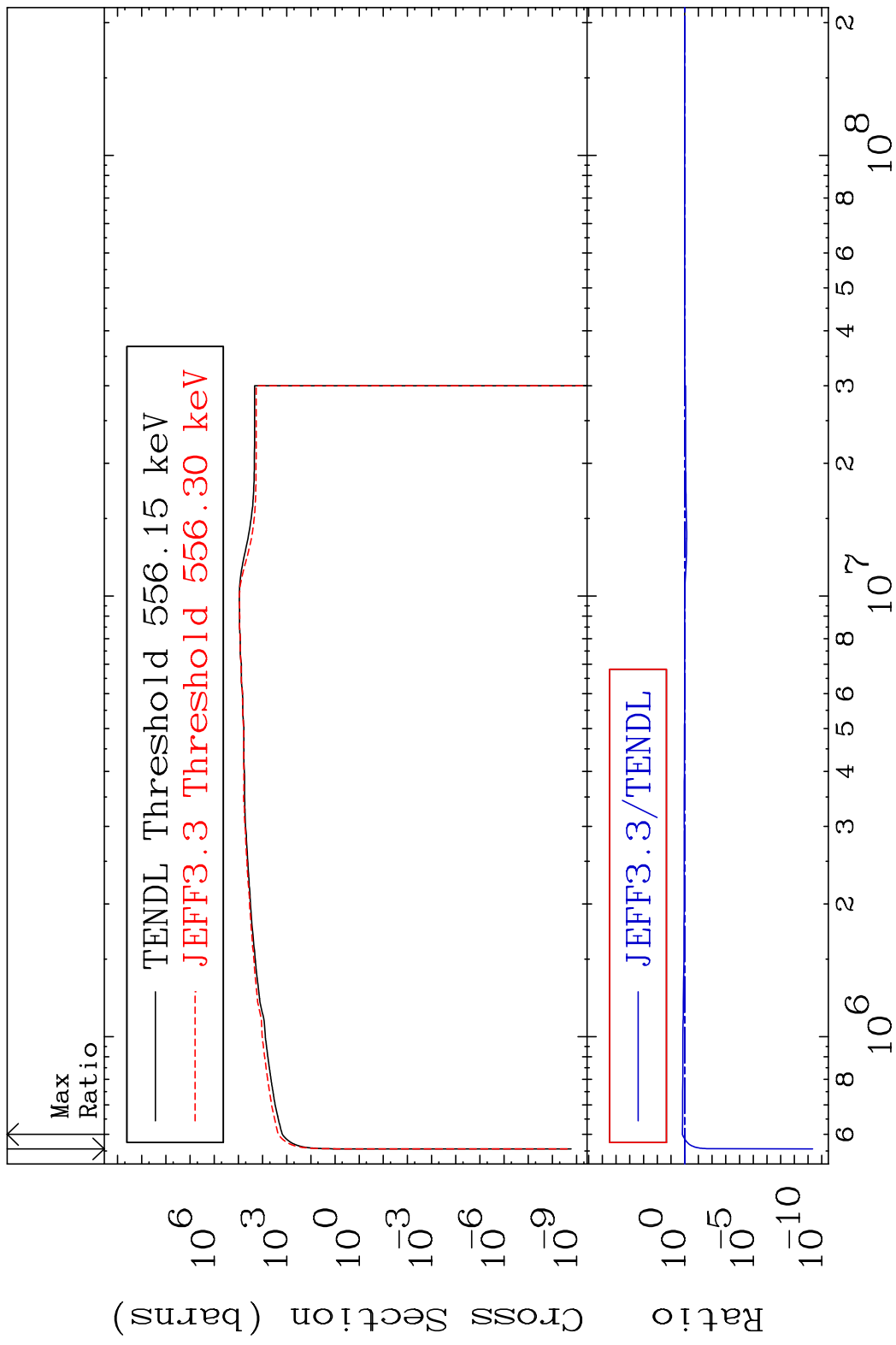


68

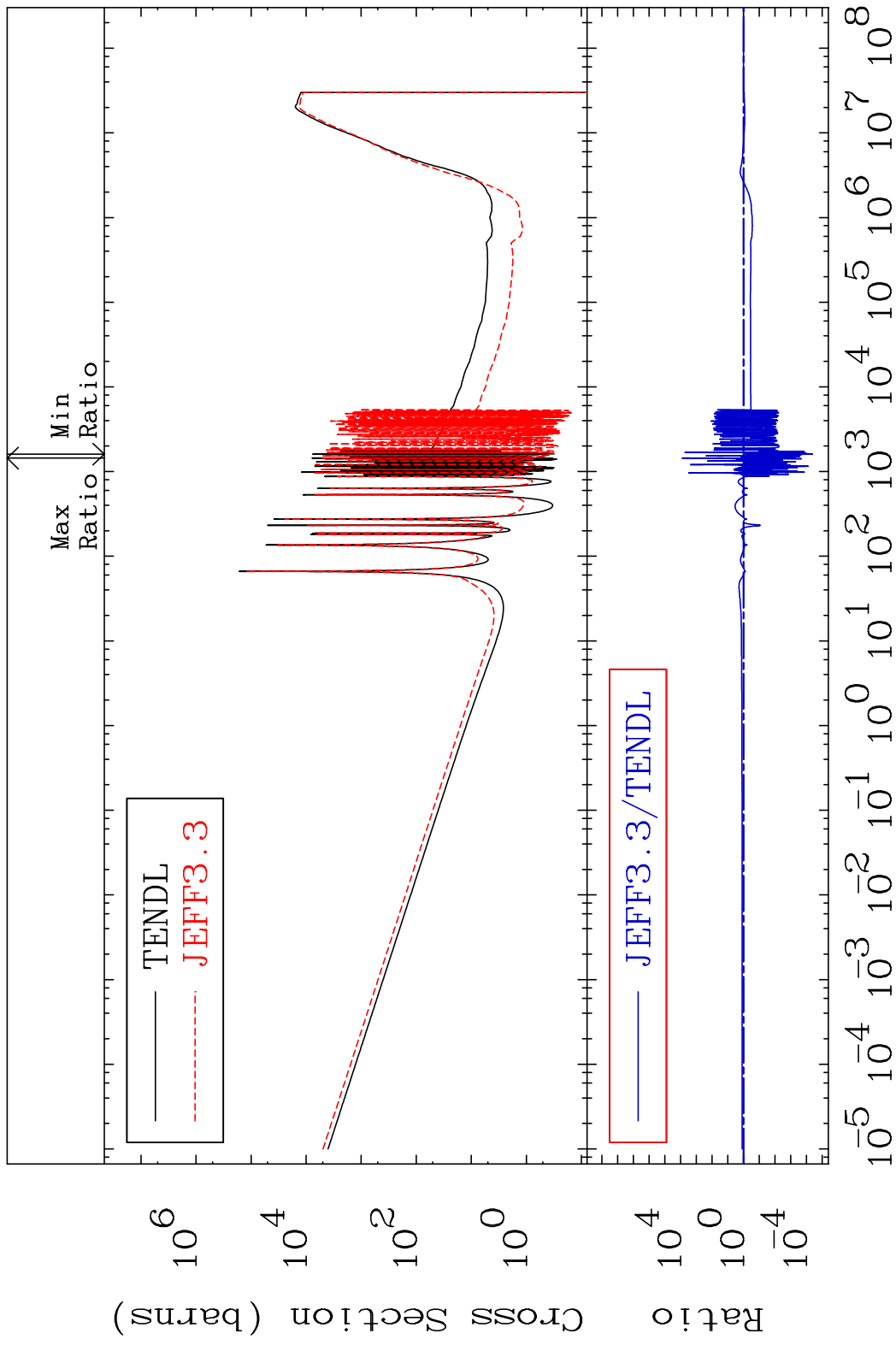
Incident Energy (eV)

58-Ce-136

MAT 5825 Dpa inelastic (mt51-91) 58-Ce-136
 Cross Section -100.0 To 47.38 %

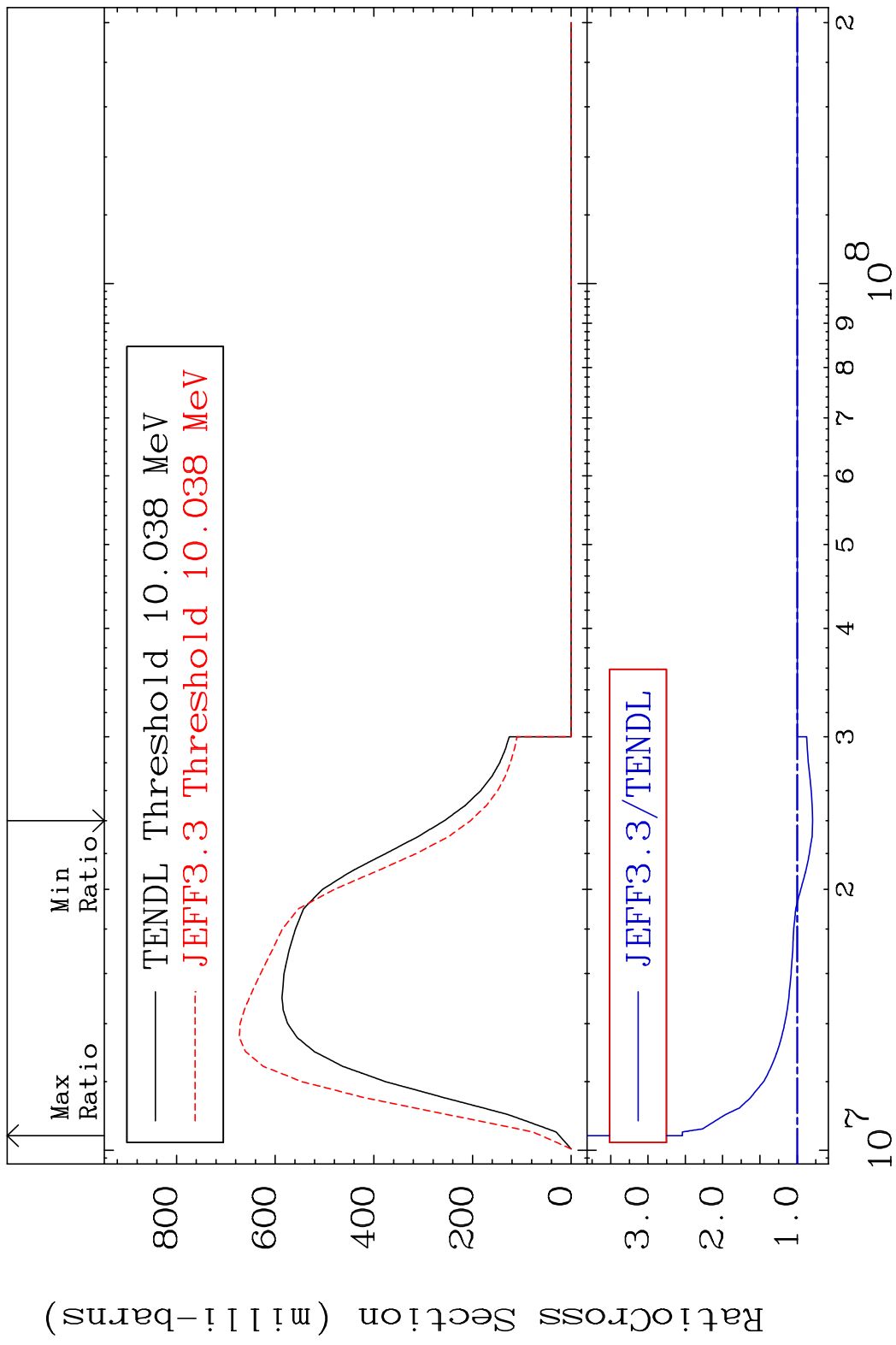


MAT 5825 Dpa disappearance (mt102 -120) 58-Ce-136
Cross Section -100.0 To 9999. %



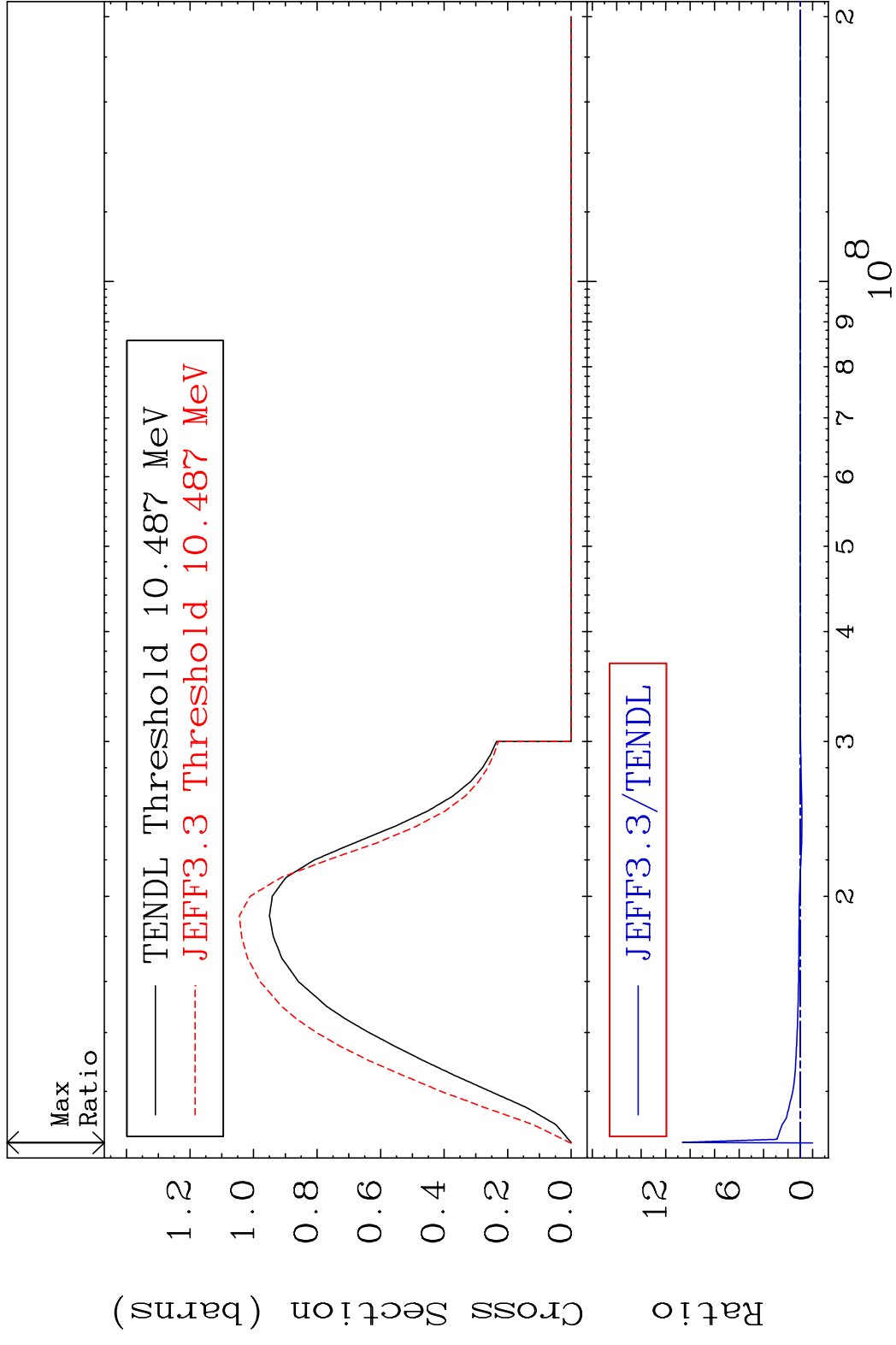
70 Incident Energy (eV) 58-Ce-136

MAT 5825 (n,2n):58-Ce-135g 58-Ce-136
 Radionuclide Production Cross Section 154.0 %

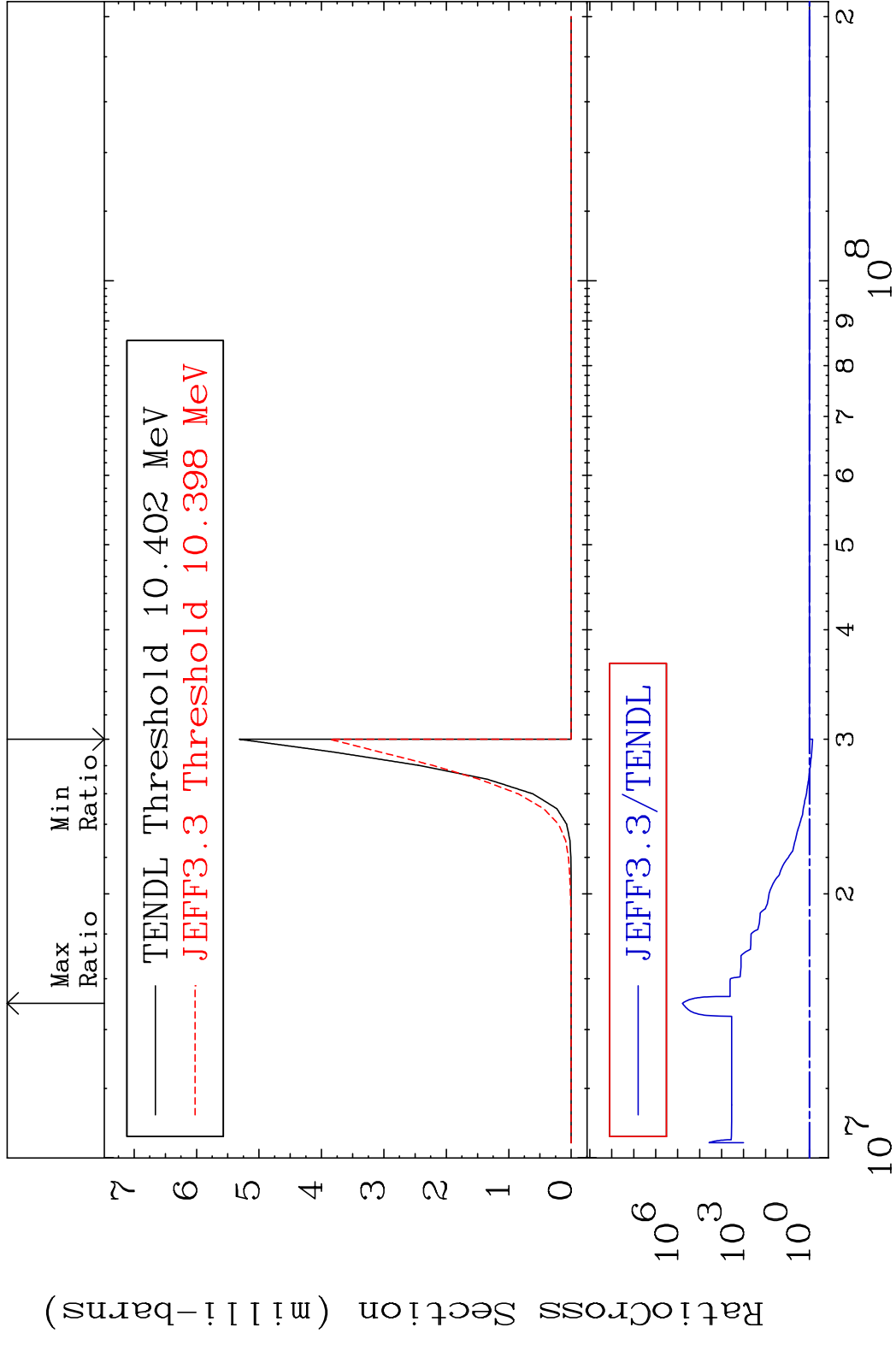


71 Incident Energy (eV) 58-Ce-136

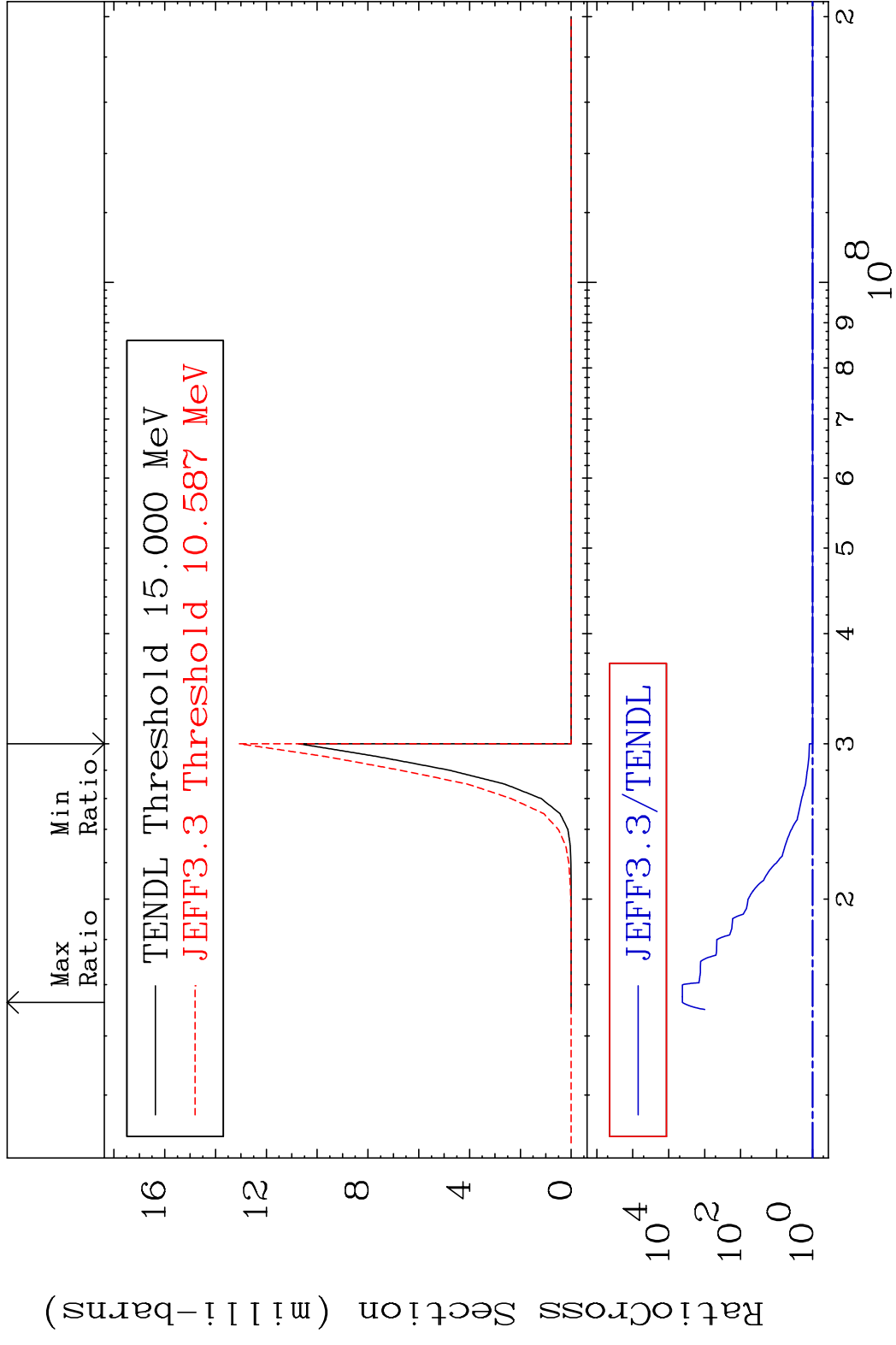
MAT 5825 (n,2n):58-Ce-135m4 58-Ce-136
 Radionuclide Production Cross Section 180.01 dth 963.6 %

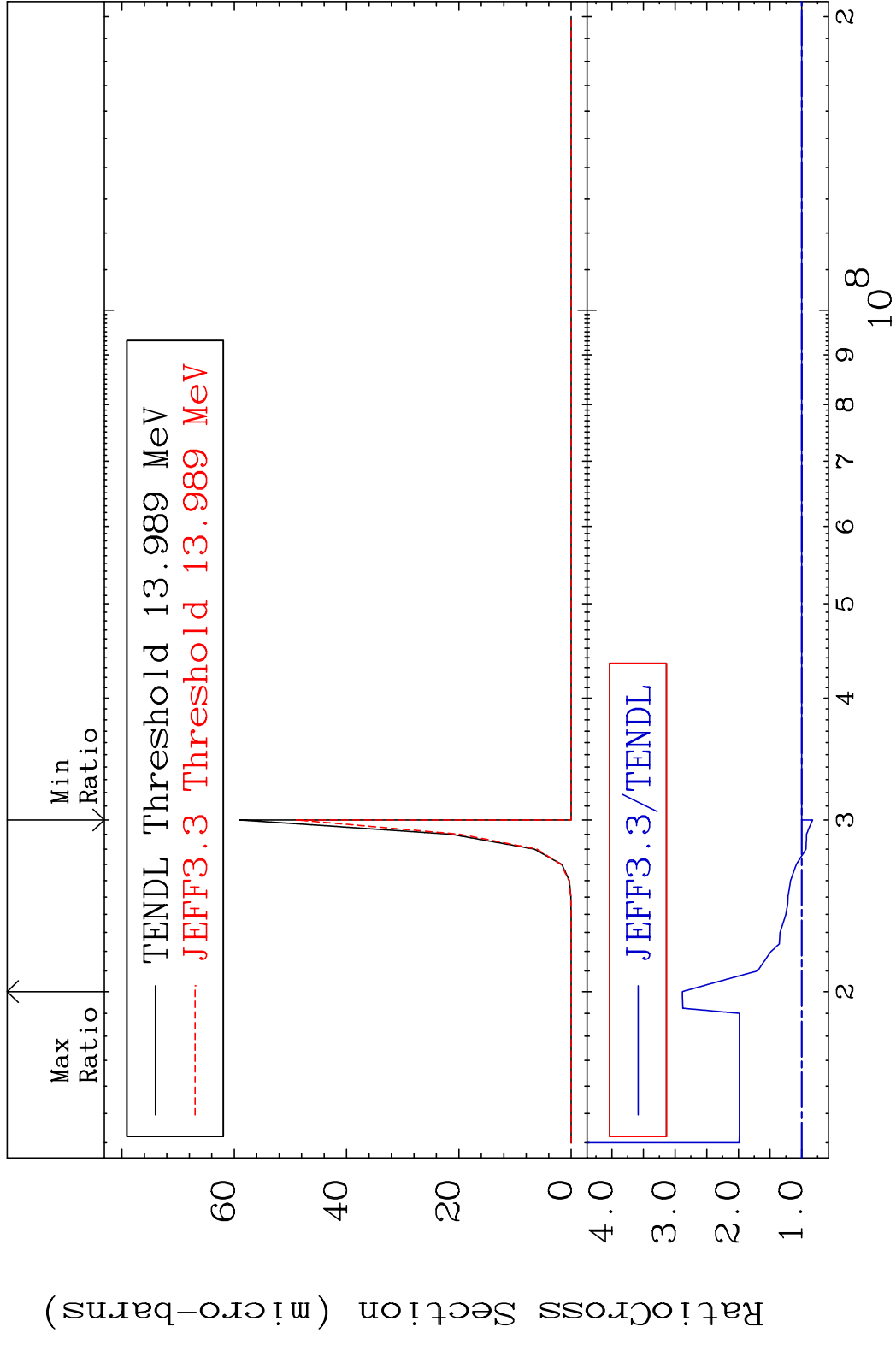


MAT 5825 (n,2n) α :56-Ba-131g 58-Ce-136
 Radionuclide Production Cross Section to 9999. %

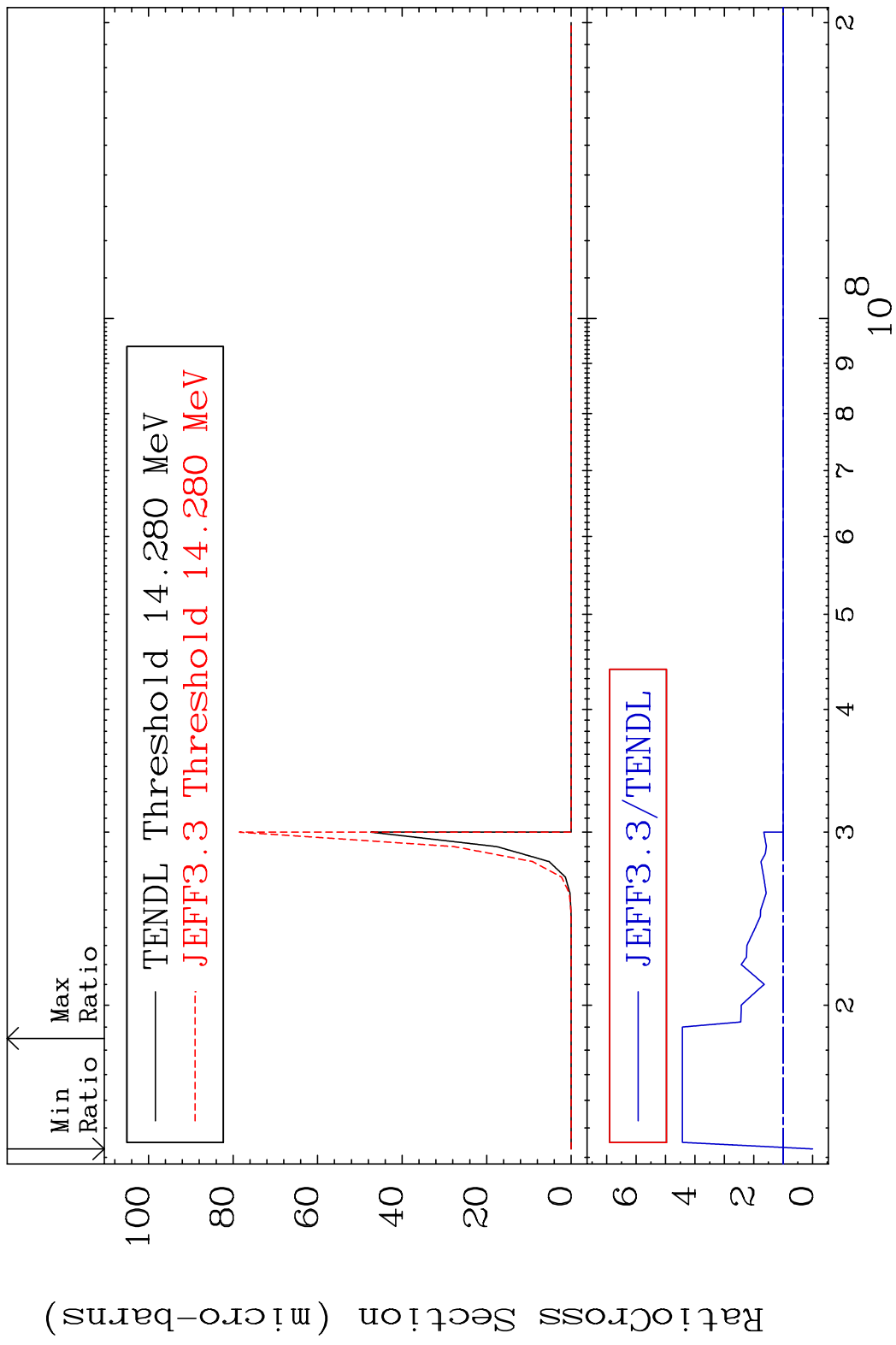


MAT 5825 (n,2n) α :56-Ba-131m2 58-Ce-136
 Radionuclide Production Cross Section 9999. %

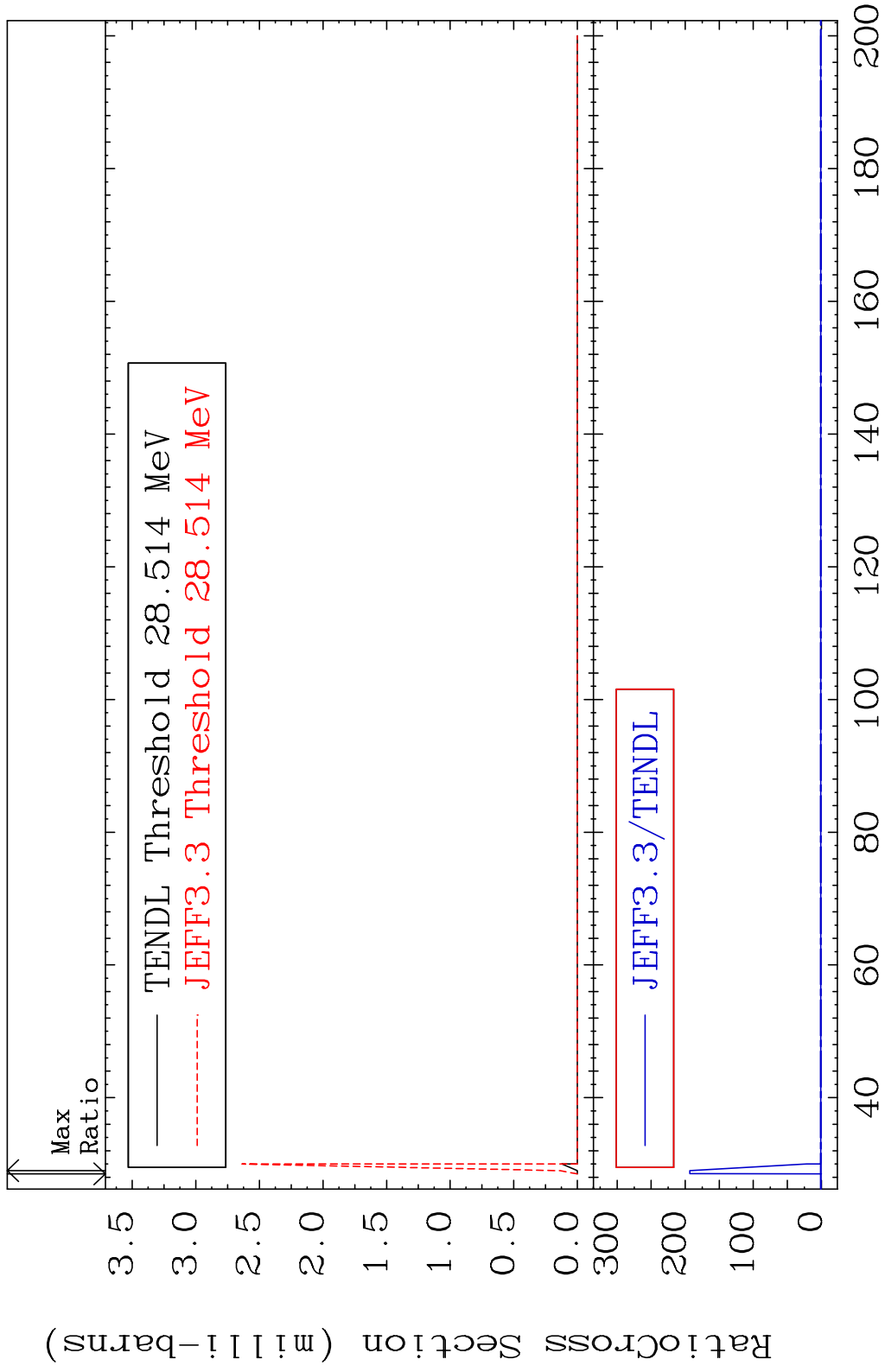




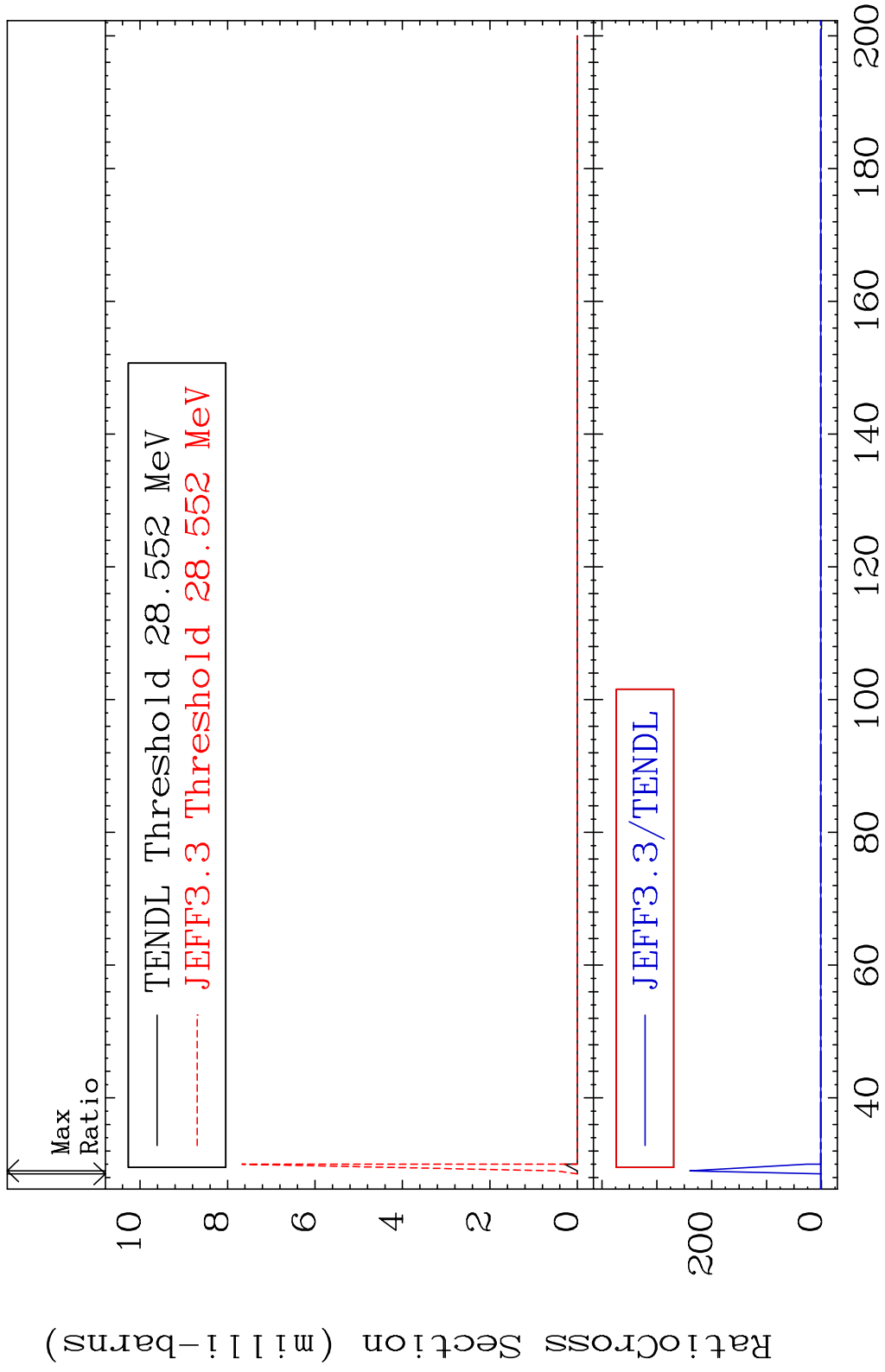
MAT 5825 (n, n') He-3:56-Ba-133m2 58-Ce-136
 Radionuclide Production Cross Section 100% 342.9 %



MAT 5825 (n,4n):58-Ce-133g 58-Ce-136
 Radionuclide Production Cross Section Ratio 9999. %

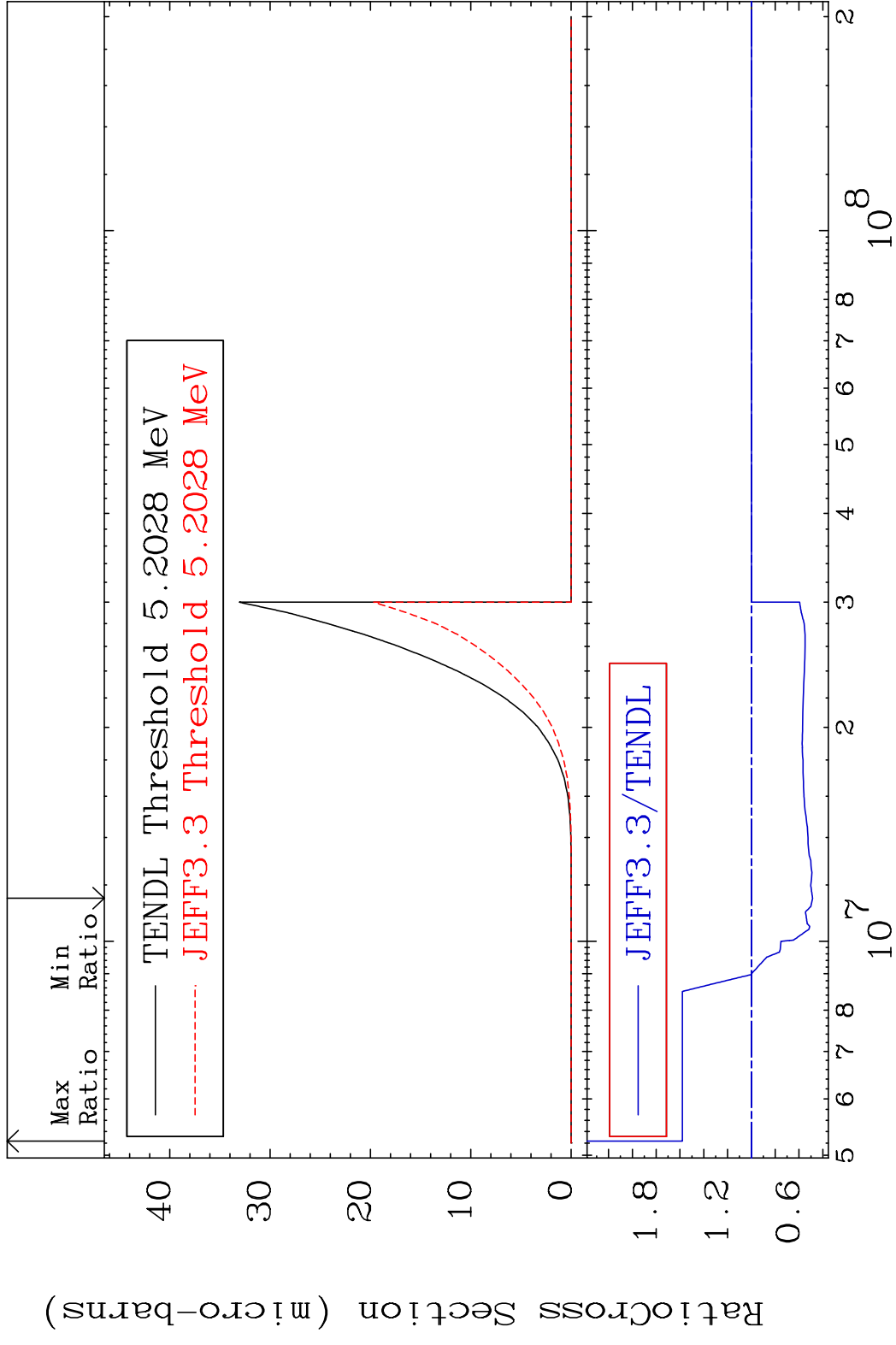


MAT 5825 (n, 4n):58-Ce-133m1 58-Ce-136
 Radionuclide Production Cross Section Ratio 9999. %

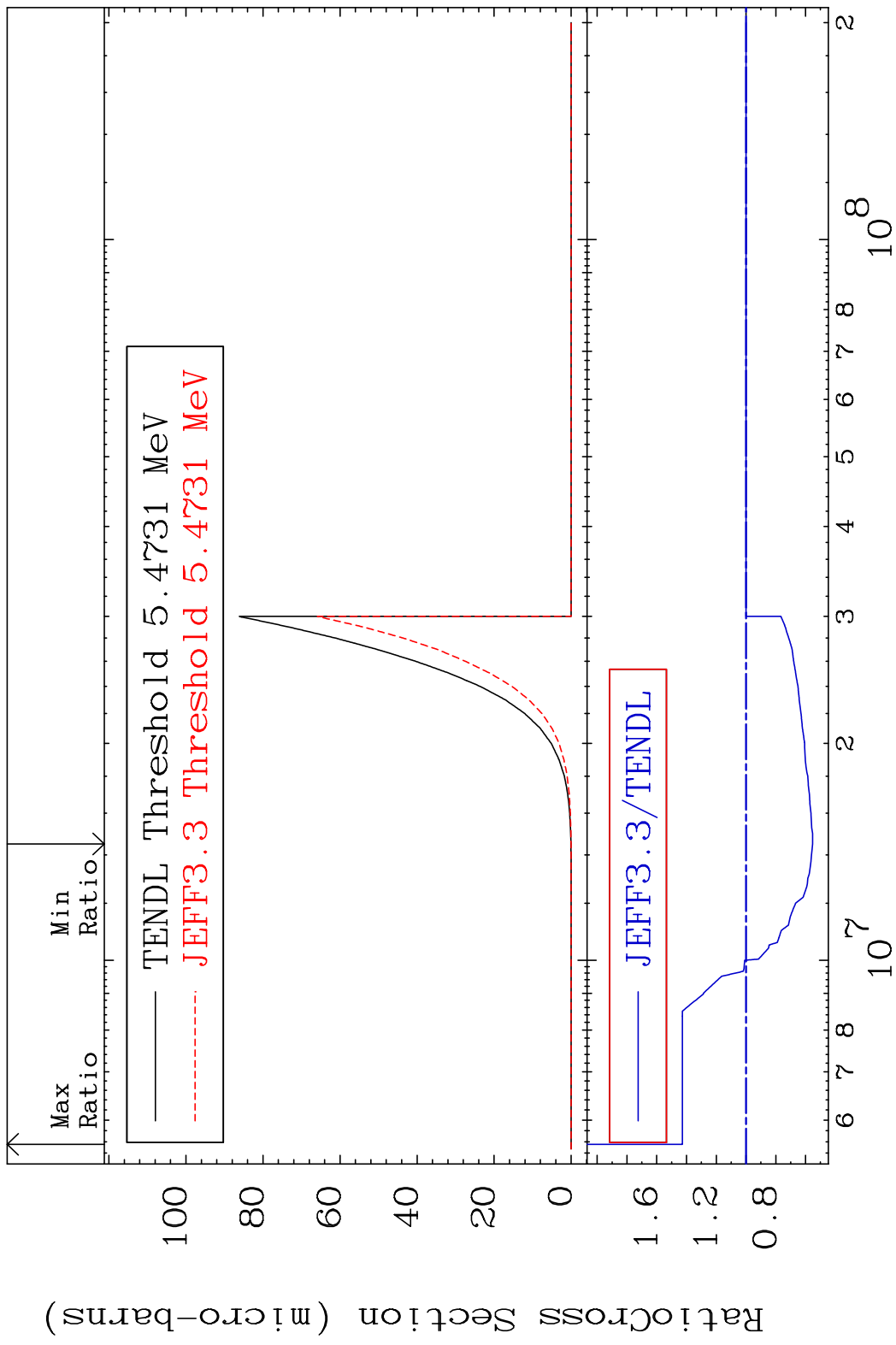


78 Incident Energy (MeV) 58-Ce-136

MAT 5825 (n,2p):56-Ba-135g 58-Ce-136
 Radionuclide Production Cross Section 58.00 %



MAT 5825 (n, 2p) :56-Ba-135m2 58-Ce-136
 Radionuclide Production Cross Section 42.78 %



80 Incident Energy (eV) 58-Ce-136

MAT 5825 (n,p) t:56-Ba-133g 58-Ce-136
 Radionuclide Production Cross Section 493.3 %

