

Program Complot
(Version 2021-1)

by

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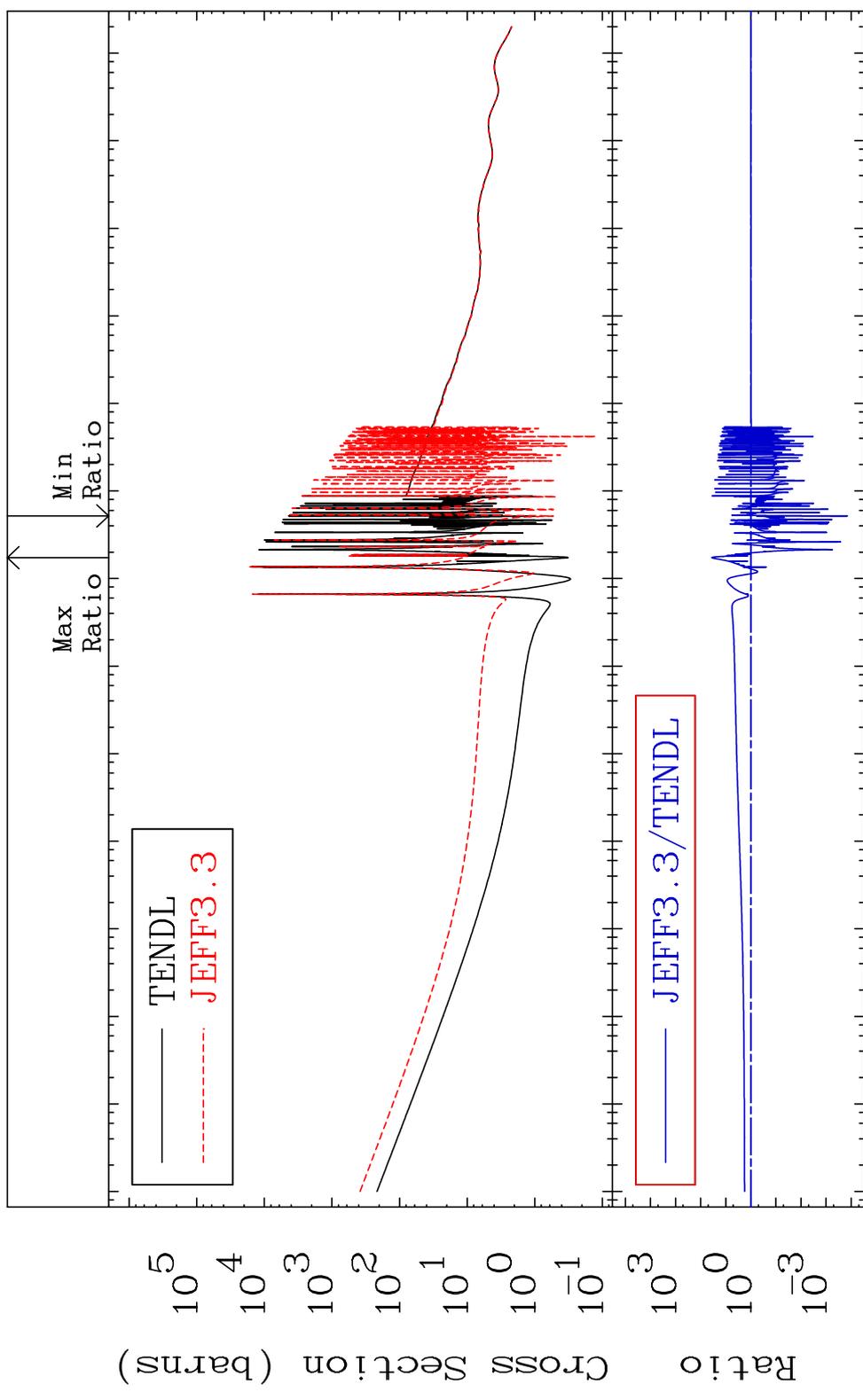
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5825

Total Cross Section -99.99 To 3503. %
58-Ce-136



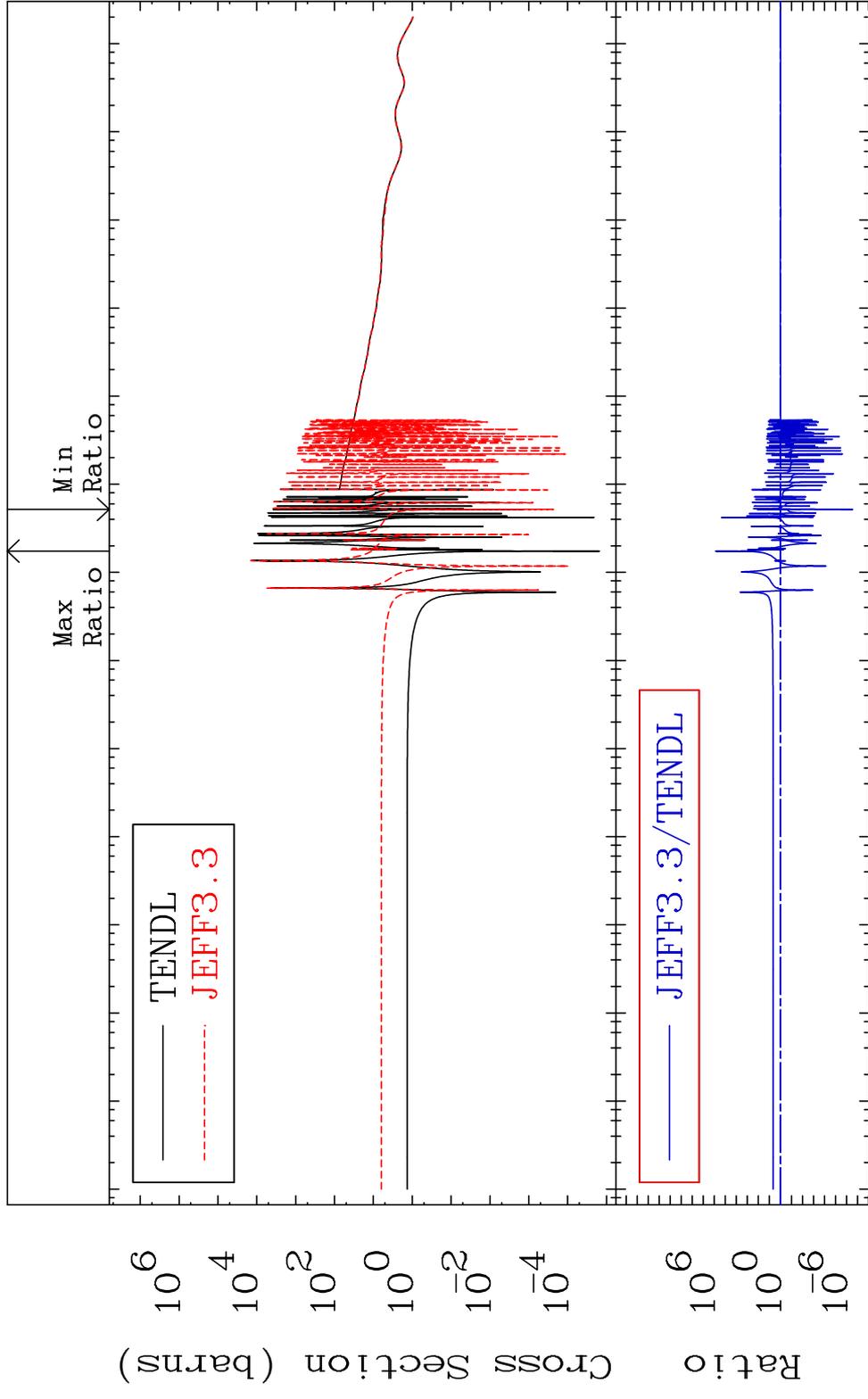
1 Incident Energy (eV) 58-Ce-136

MAT 5825

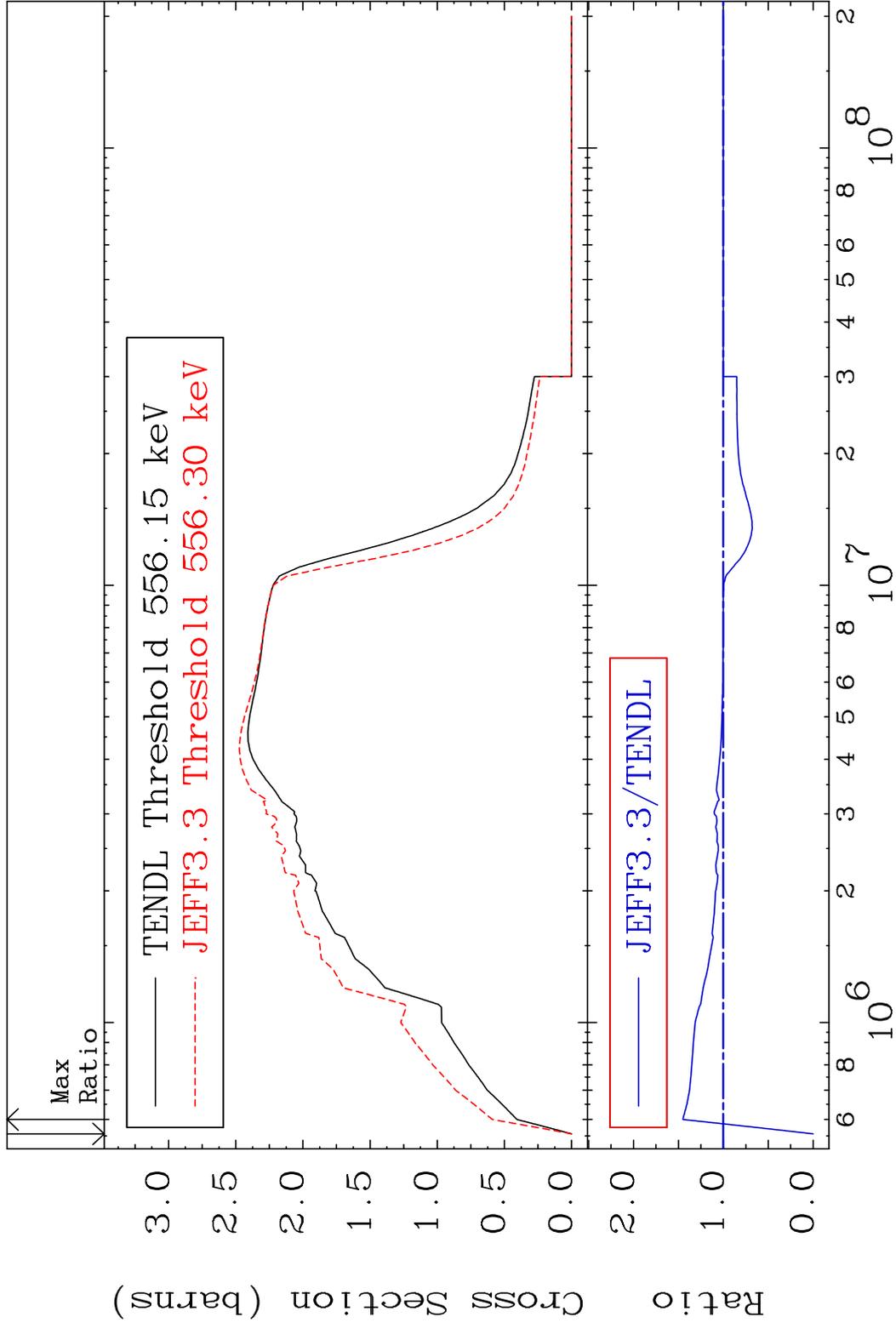
58-Ce-136

Elastic

Cross Section -100.0 To 9999. %



MAT 5825 Inelastic 58-Ce-136
 Cross Section -100.0 To 45.10 %



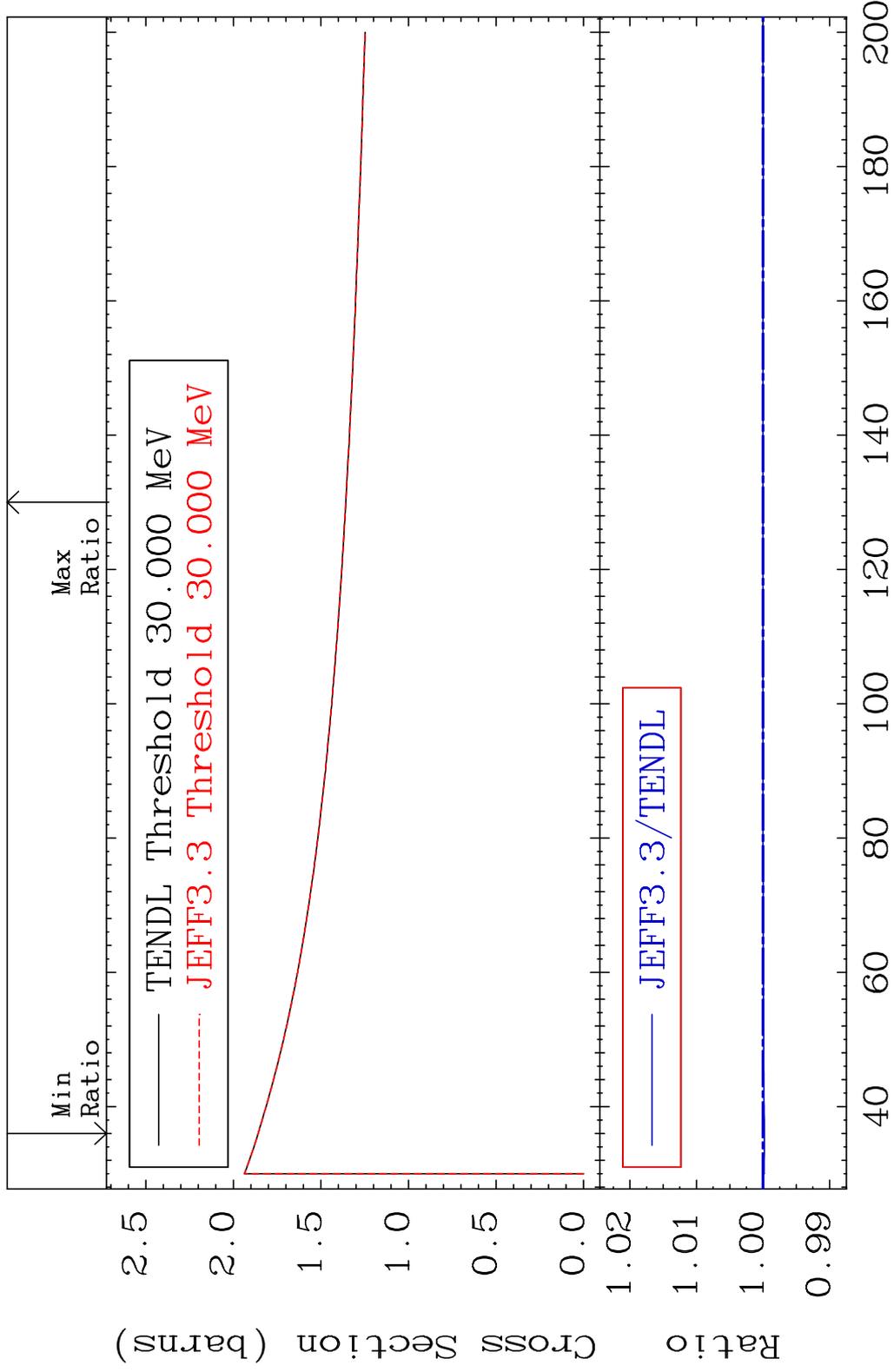
3 Incident Energy (eV) 58-Ce-136

MAT 5825

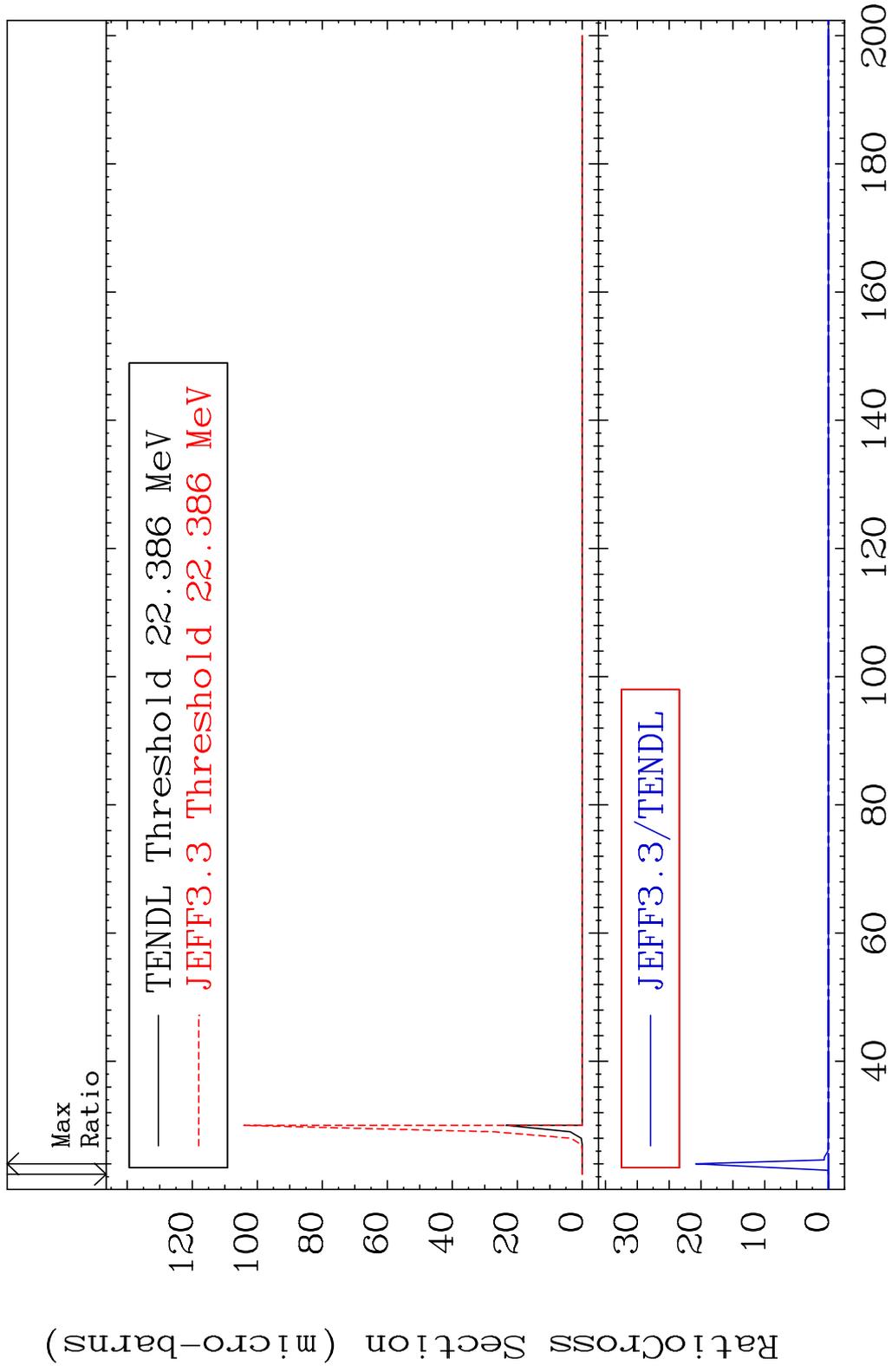
(n, remainder)

58-Ce-136

Cross Section -0.022 To 0.000 %



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

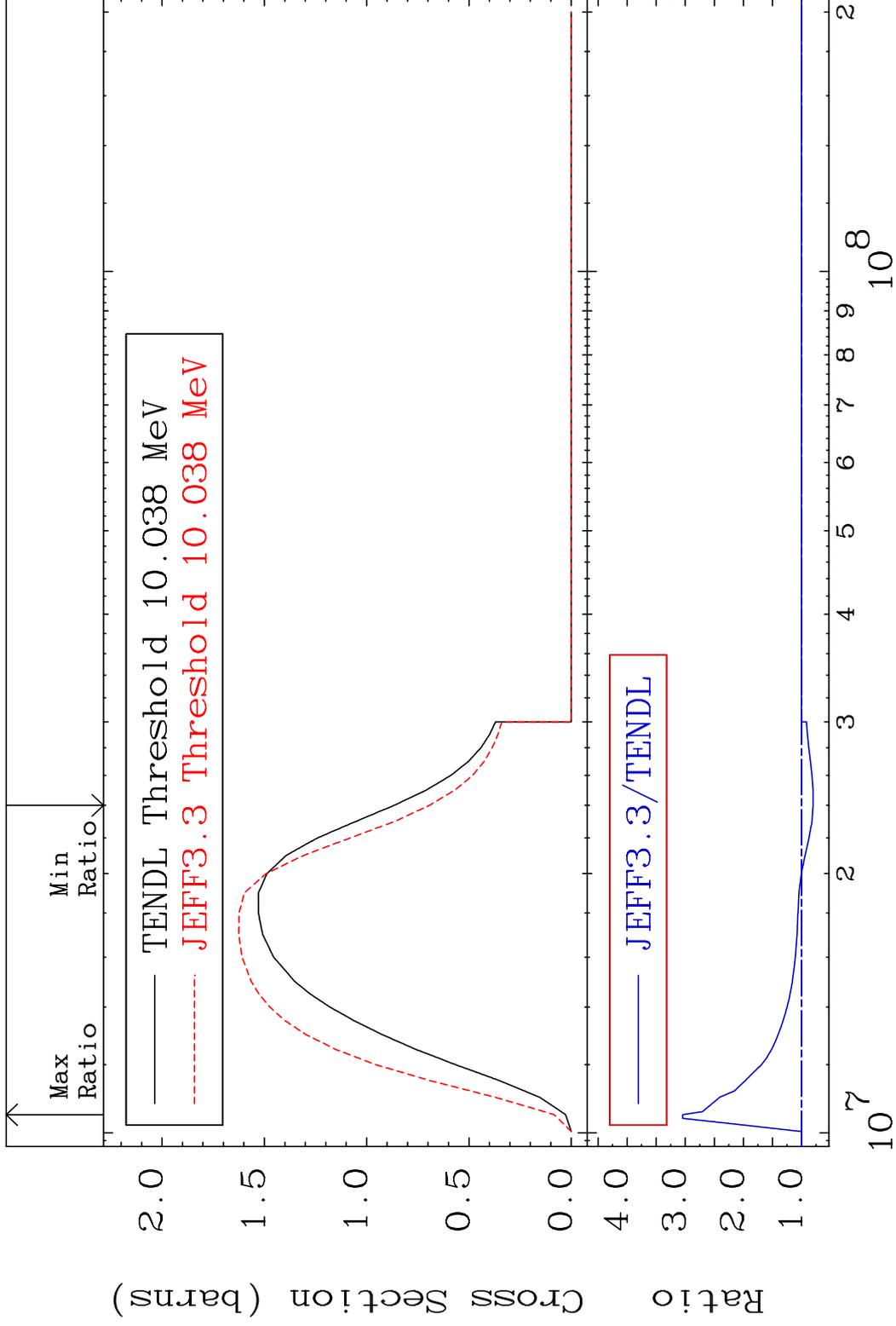


MAT 5825

(n,2n)

58-Ce-136

Cross Section -19.83 To 204.5 %



6

Incident Energy (eV)

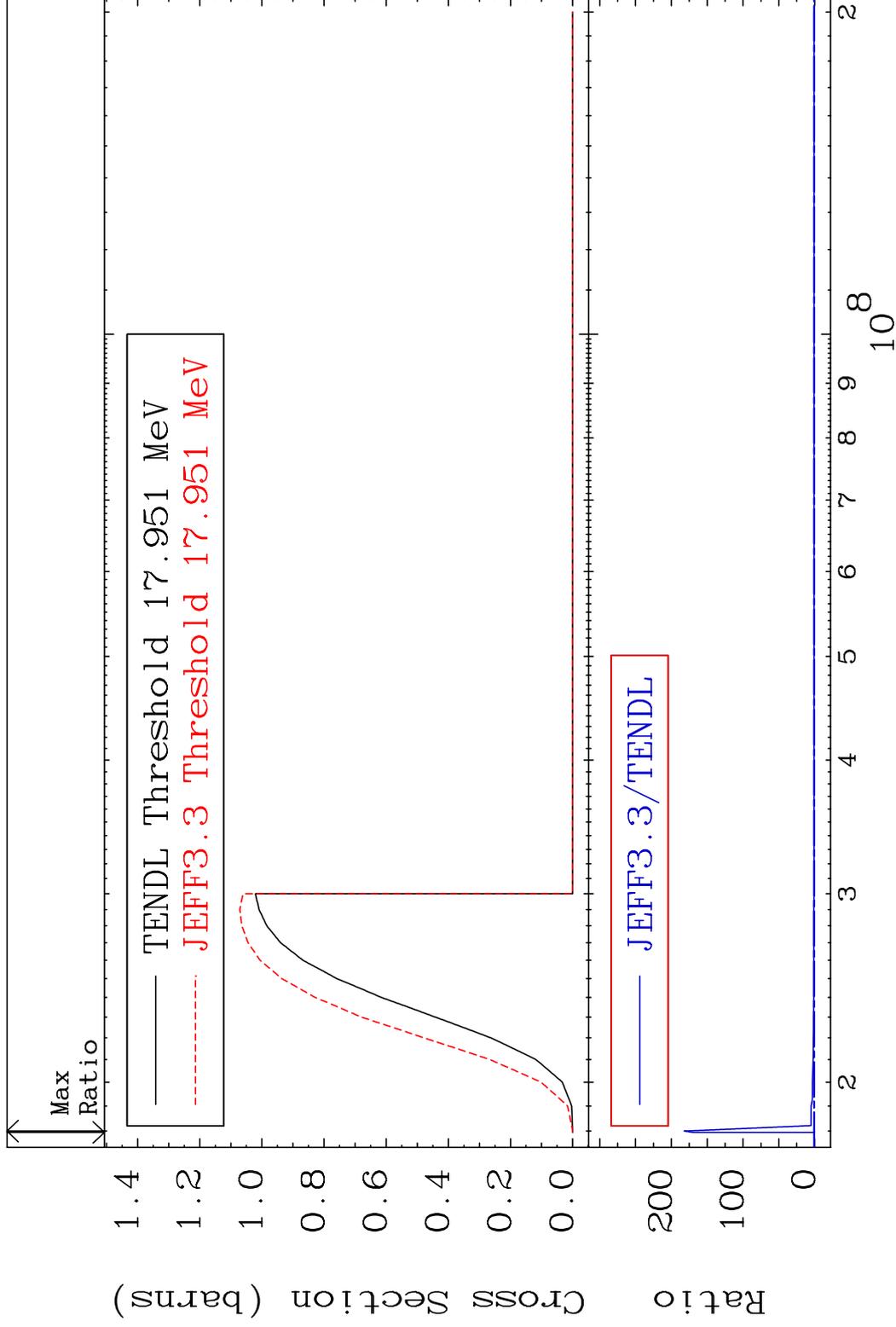
58-Ce-136

MAT 5825

(n,3n)

58-Ce-136

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

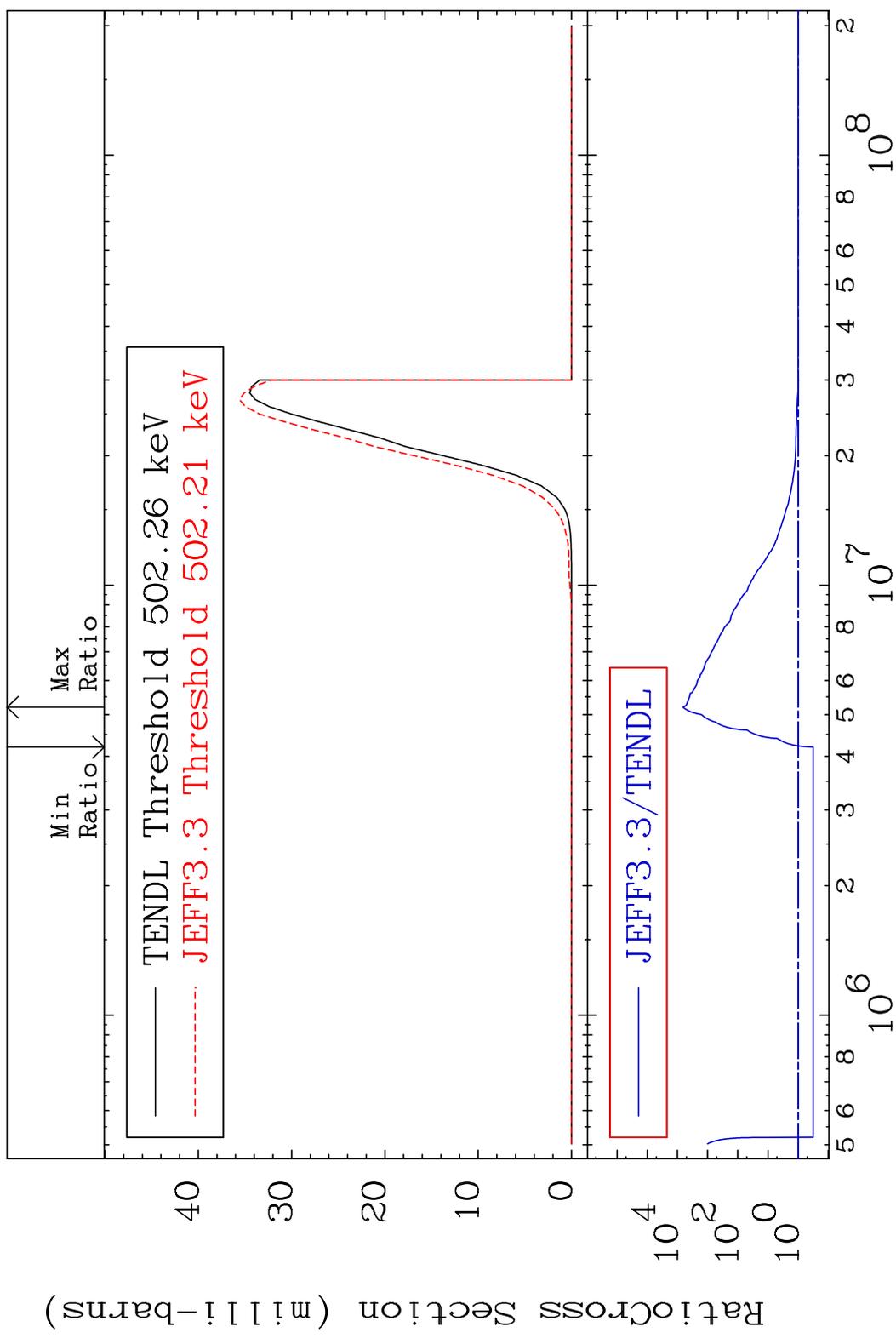
58-Ce-136

MAT 5825

(n, n') α

58-Ce-136

Cross Section -68.23 To 9999. %

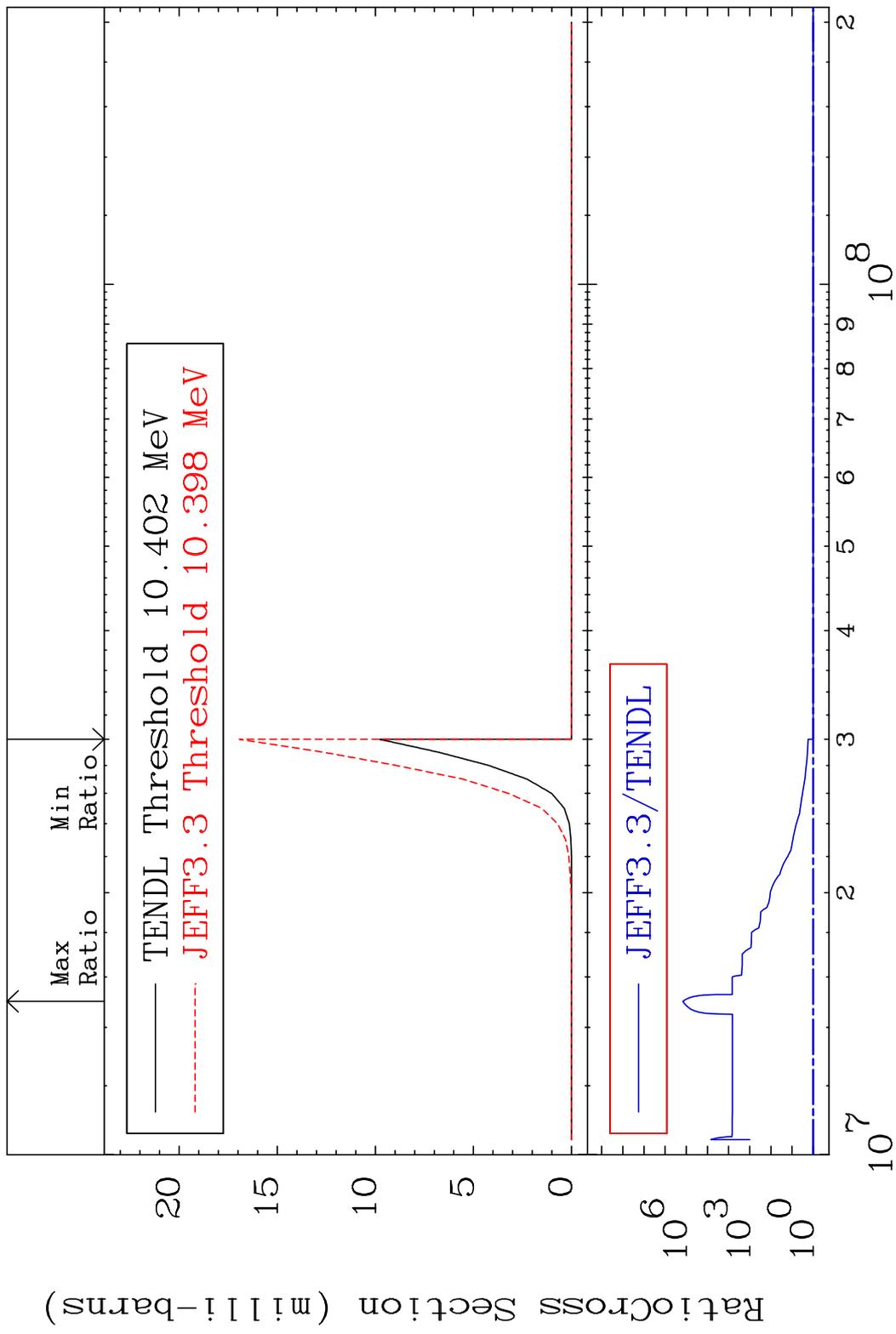


MAT 5825

(n,2n) α

58-Ce-136

Cross Section 0.000 To 9999. %



9

Incident Energy (eV)

58-Ce-136

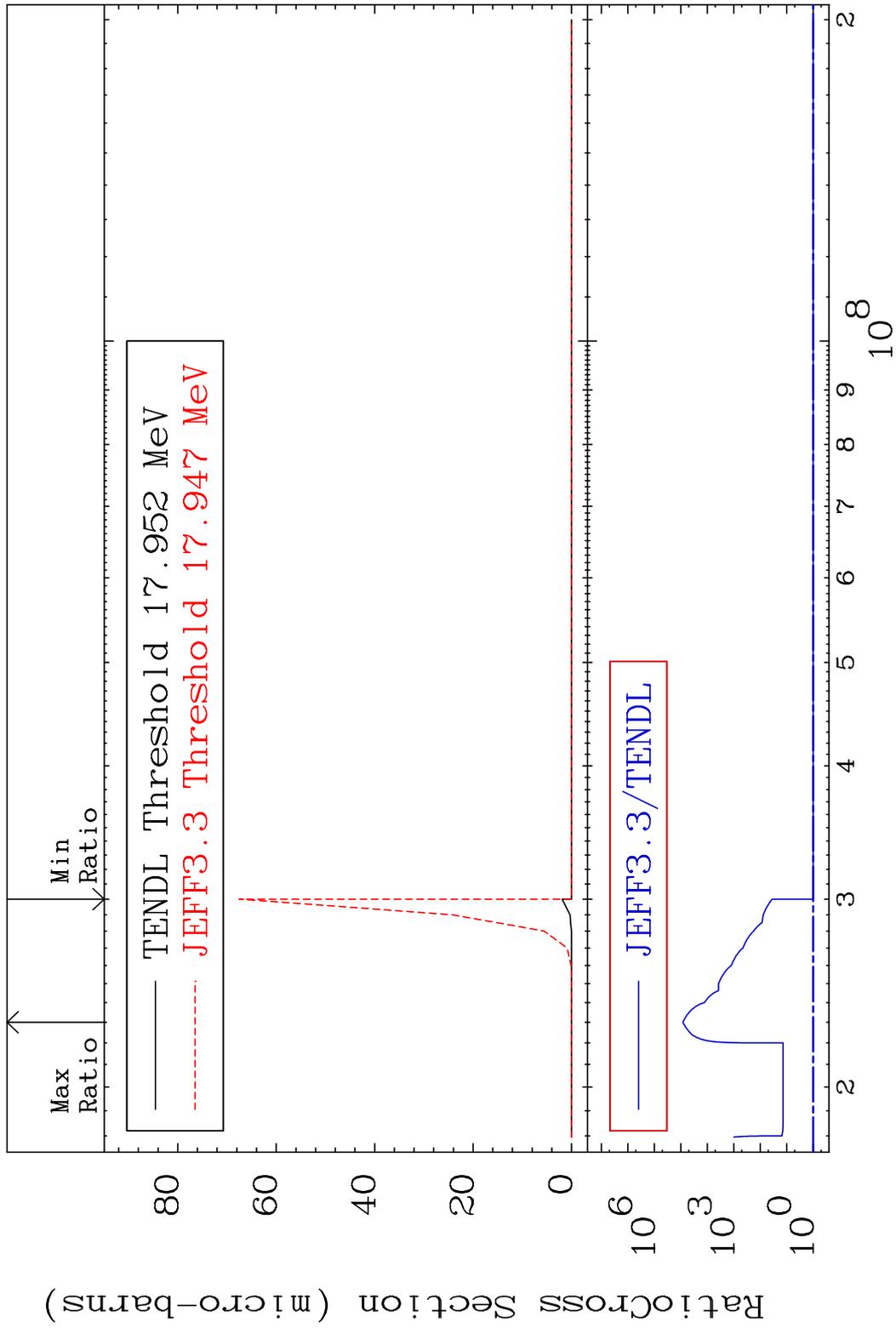
MAT 5825

(n,3n) α

58-Ce-136

Cross Section 0.000

To 9999. %



10

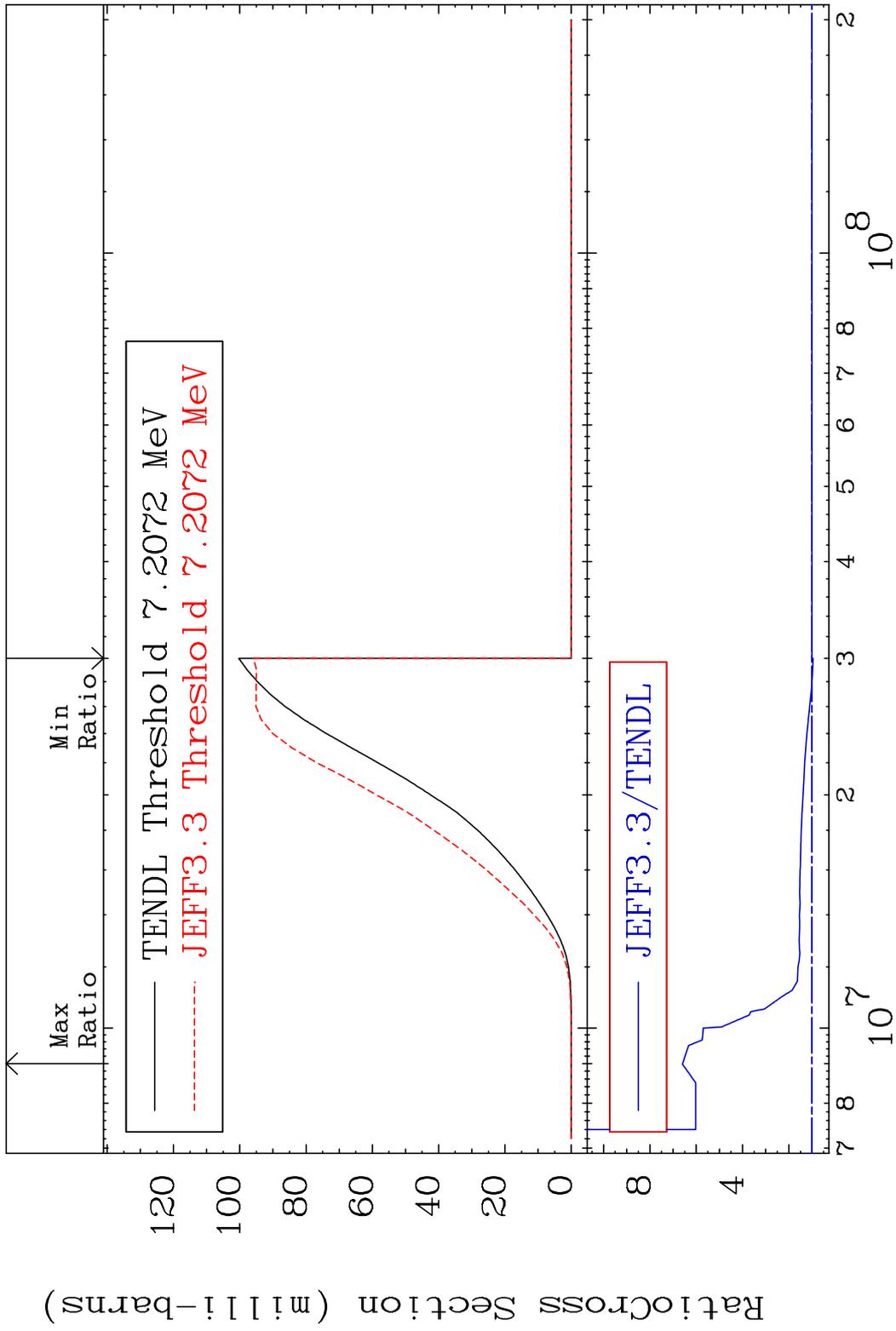
Incident Energy (eV)

58-Ce-136

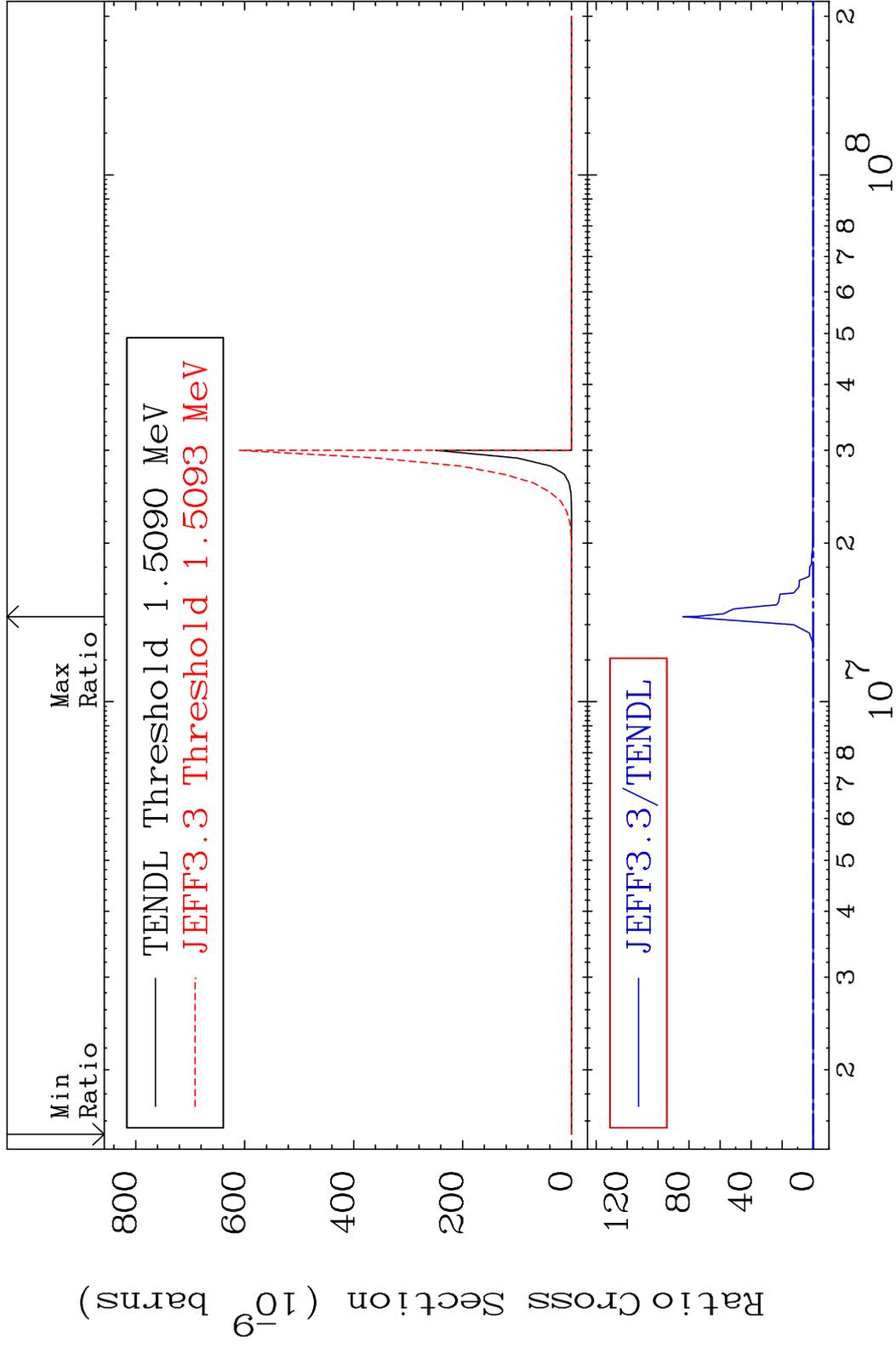
MAT 5825

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

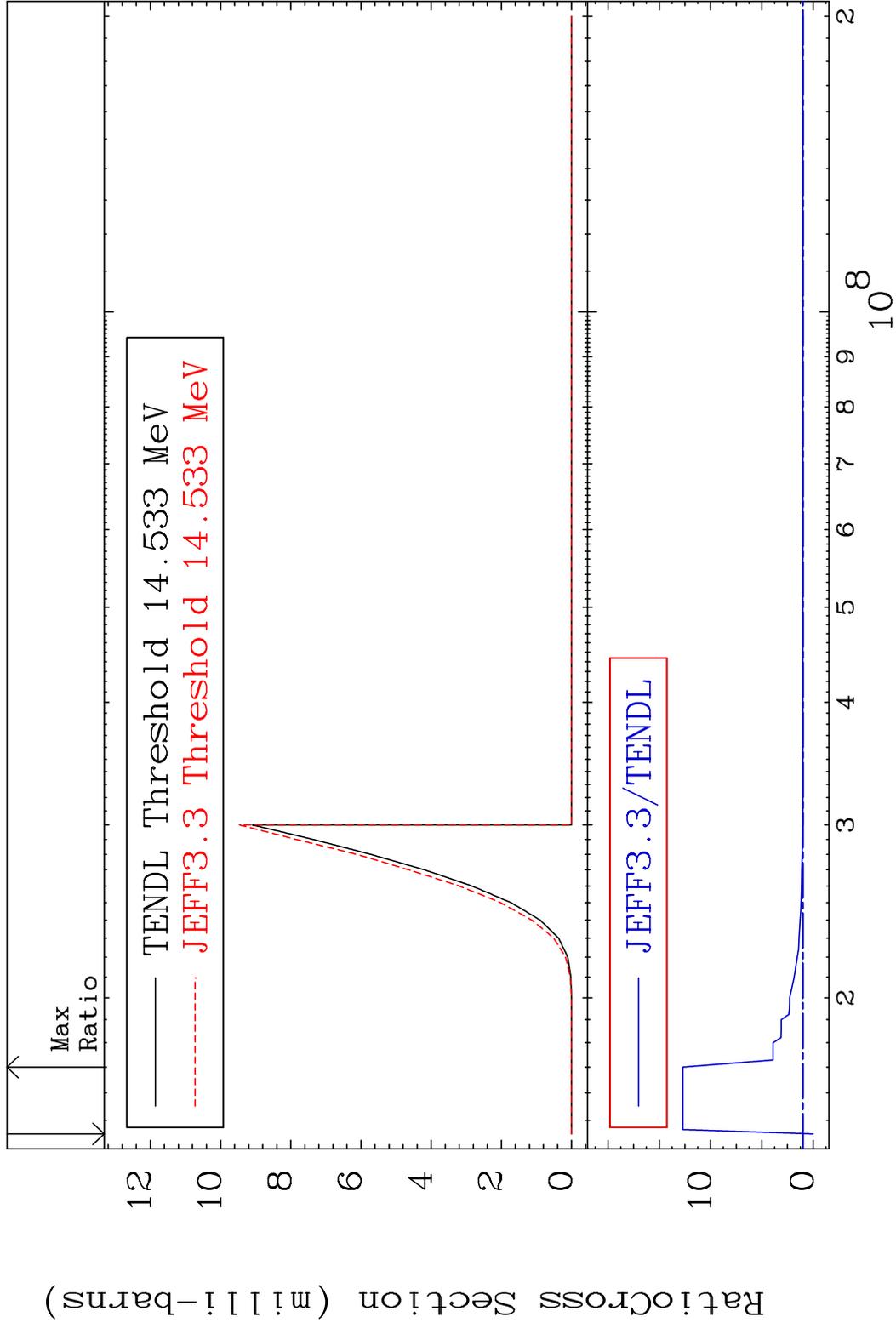
Cross Section -4.446 To 558.6 %



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 1170. %

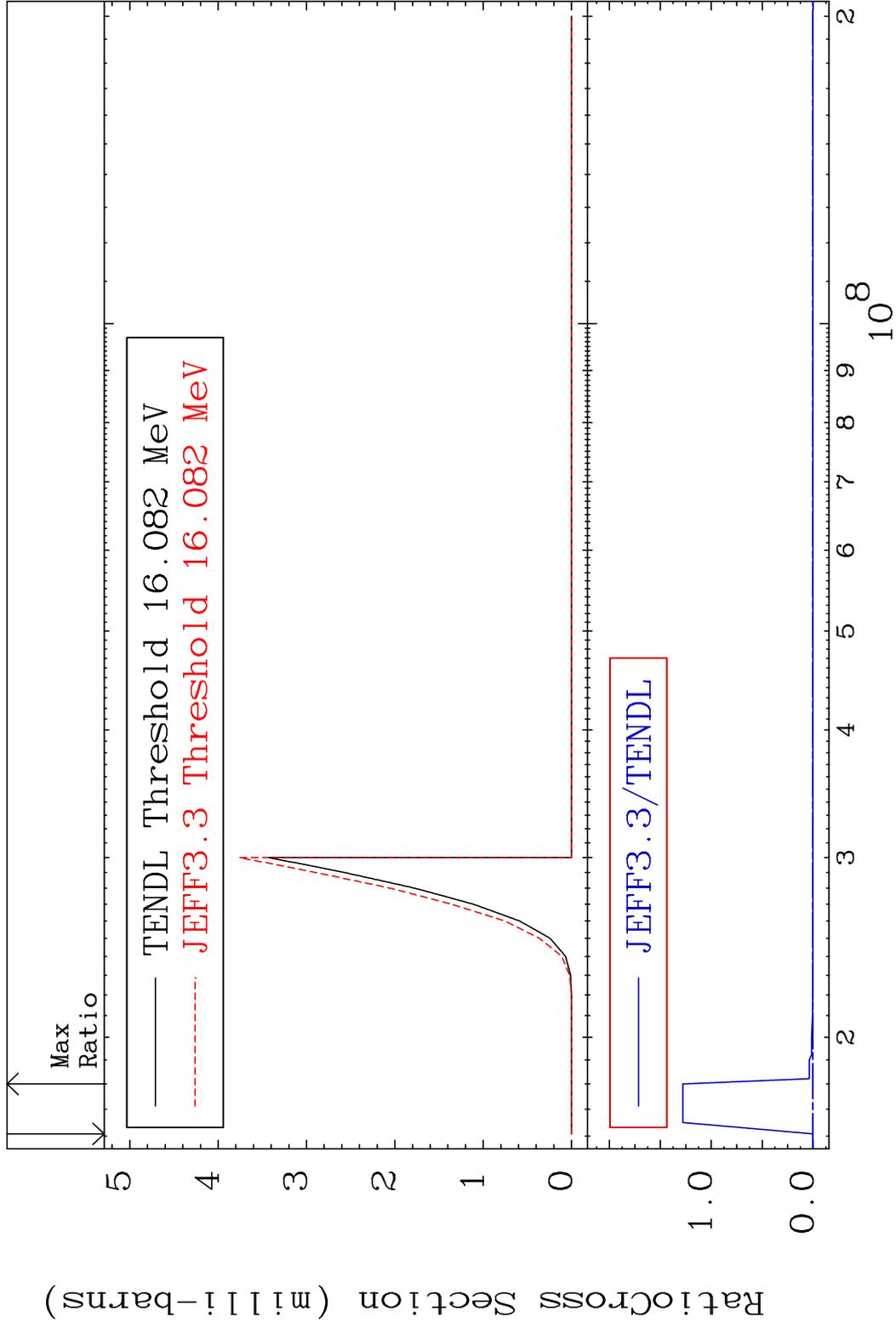


MAT 5825

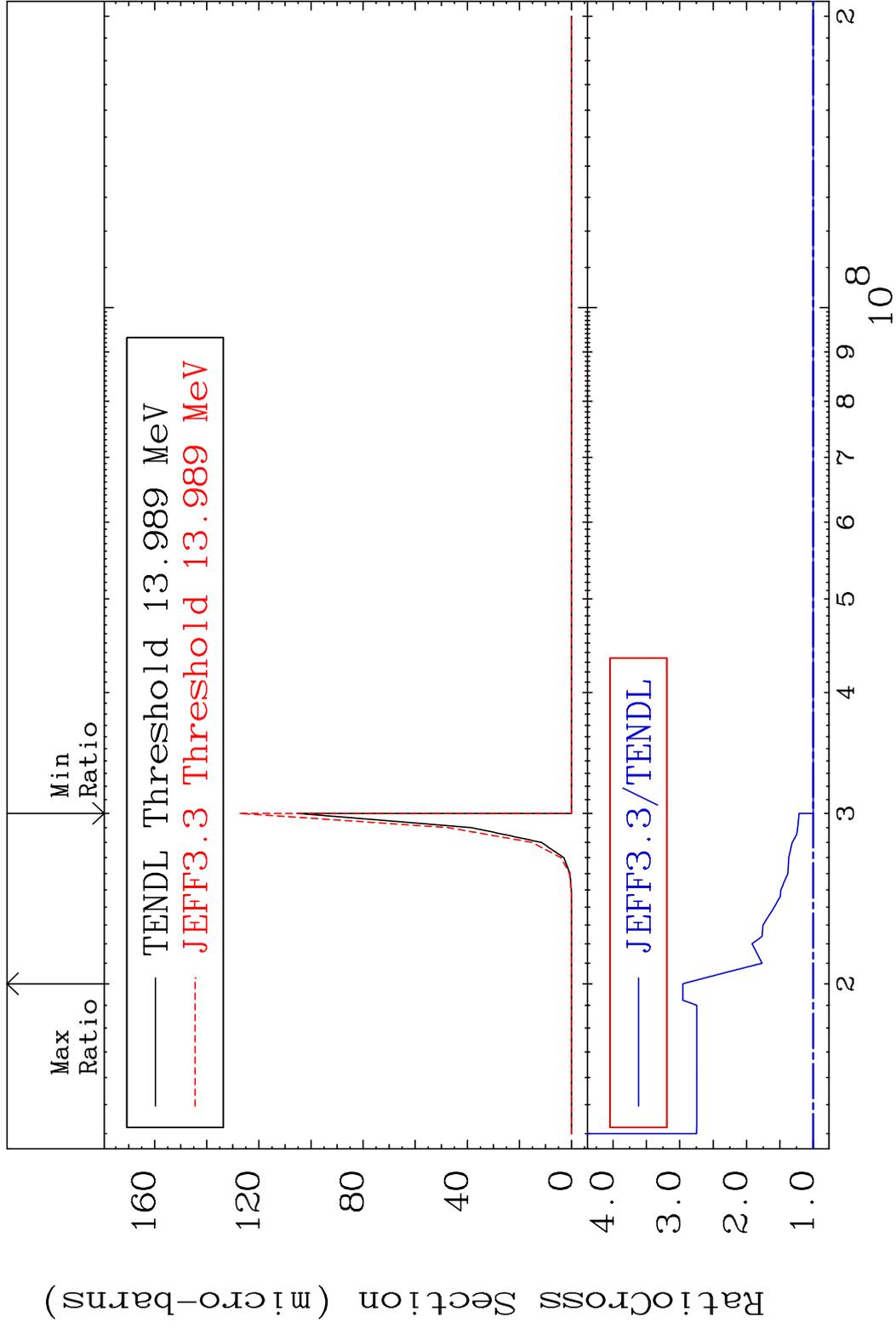
(n, n') t

58-Ce-136

Cross Section -100.0 To 9999. %



MAT 5825 (n,n') He-3 58-Ce-136
 Cross Section 0.000 To 195.4 %

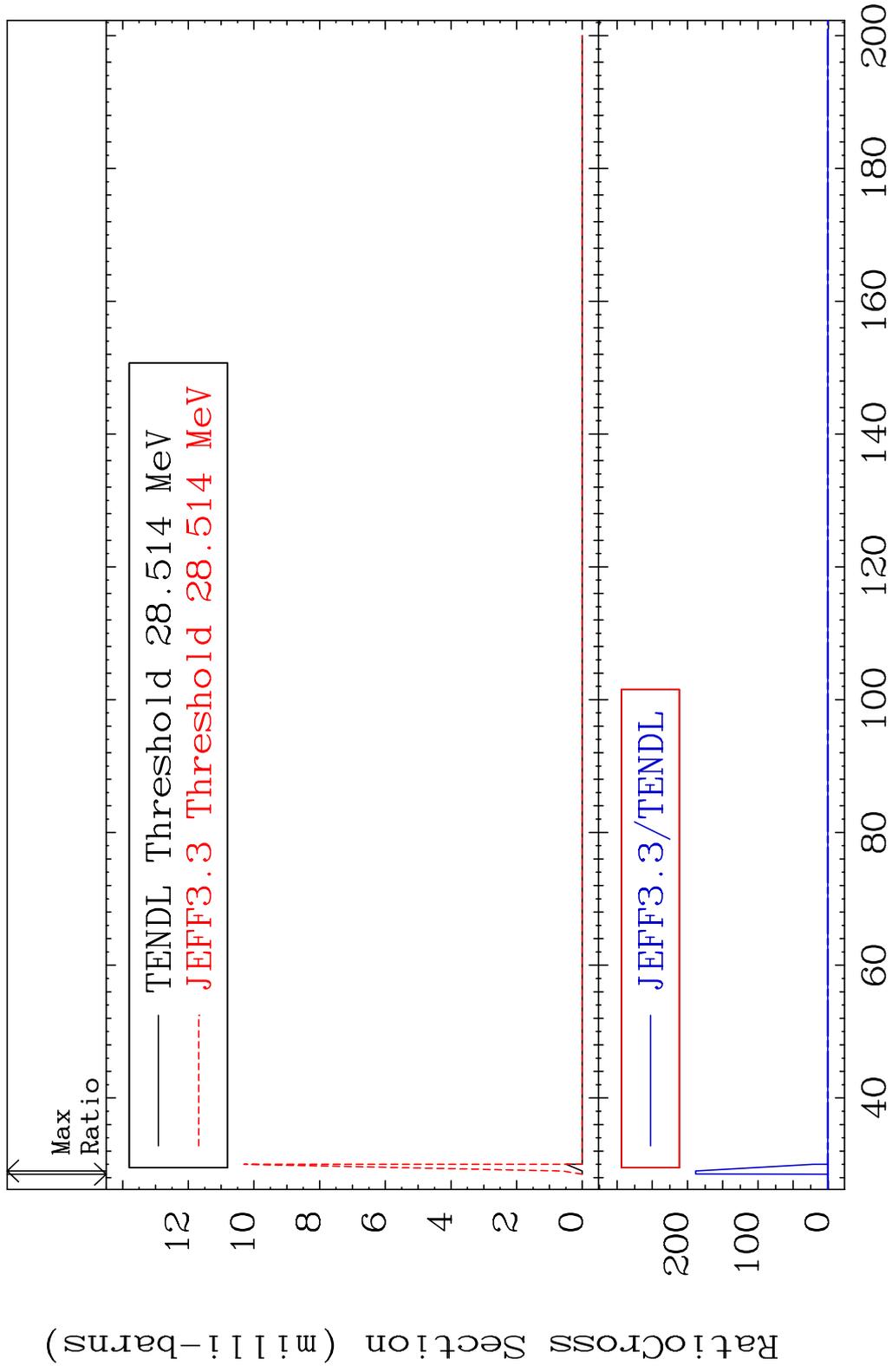


MAT 5825

(n,4n)

58-Ce-136

Cross Section -100.0 To 9999. %

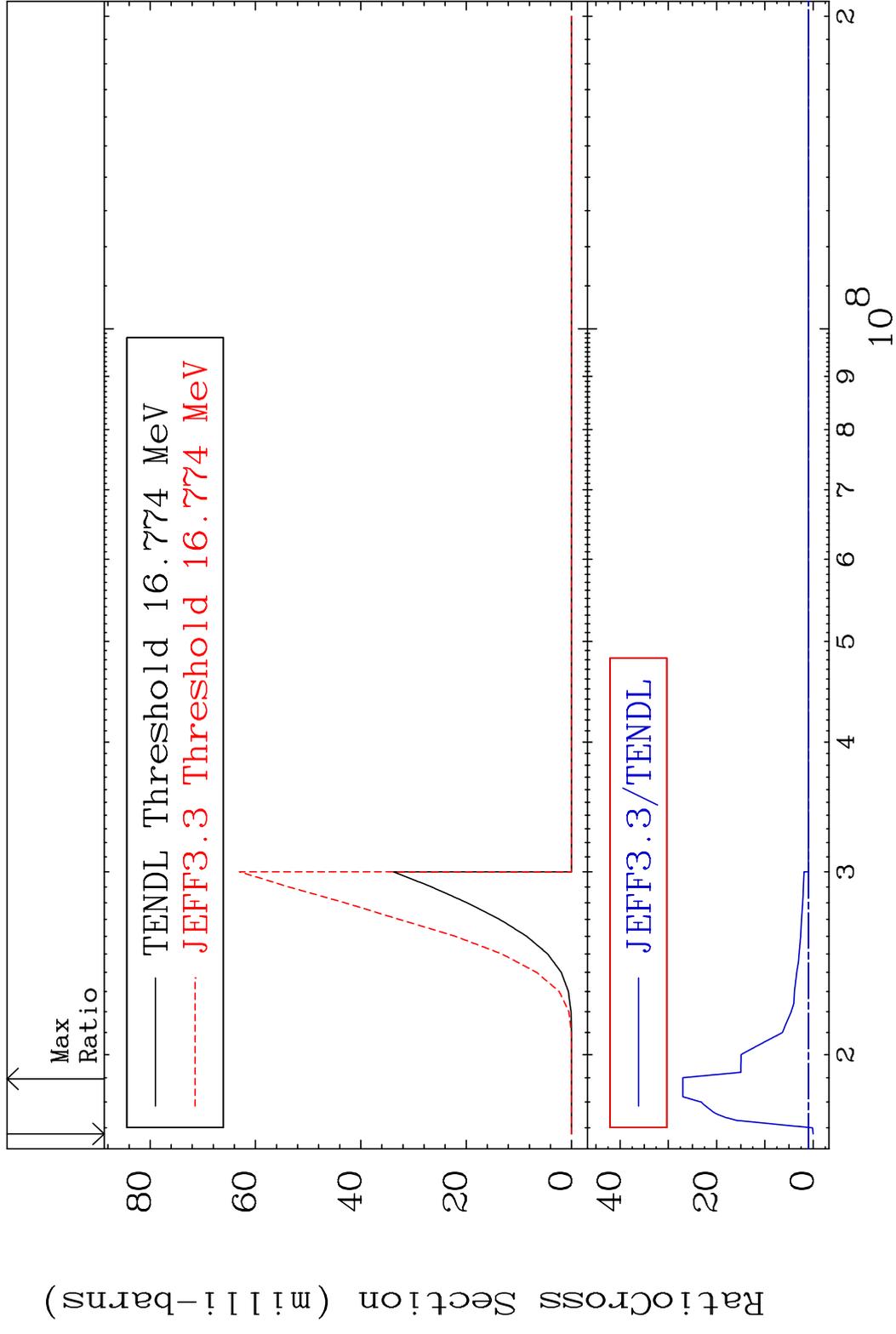


16

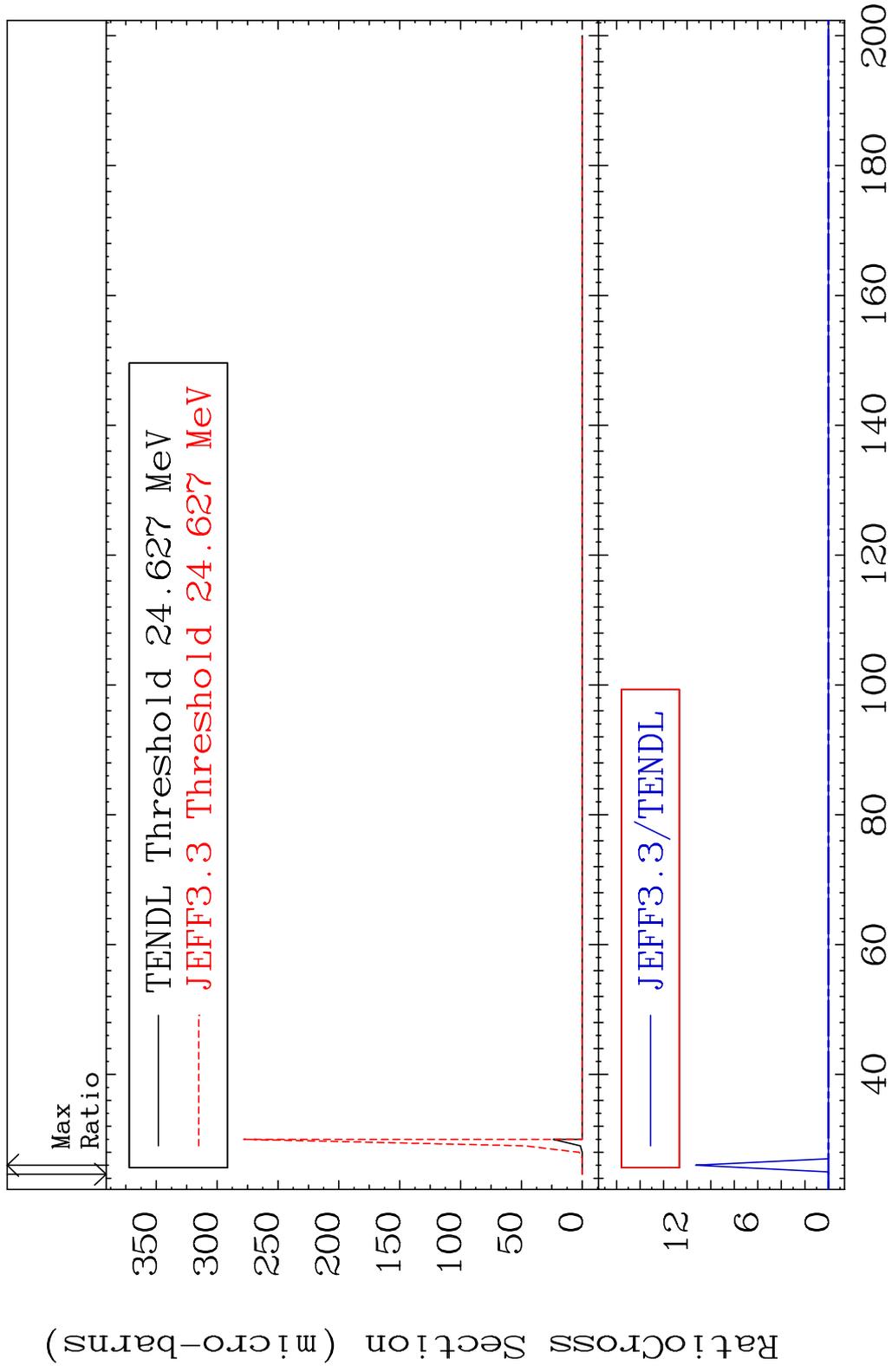
Incident Energy (MeV)

58-Ce-136

MAT 5825 (n,2n) p 58-Ce-136
 Cross Section -100.0 To 2600. %



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

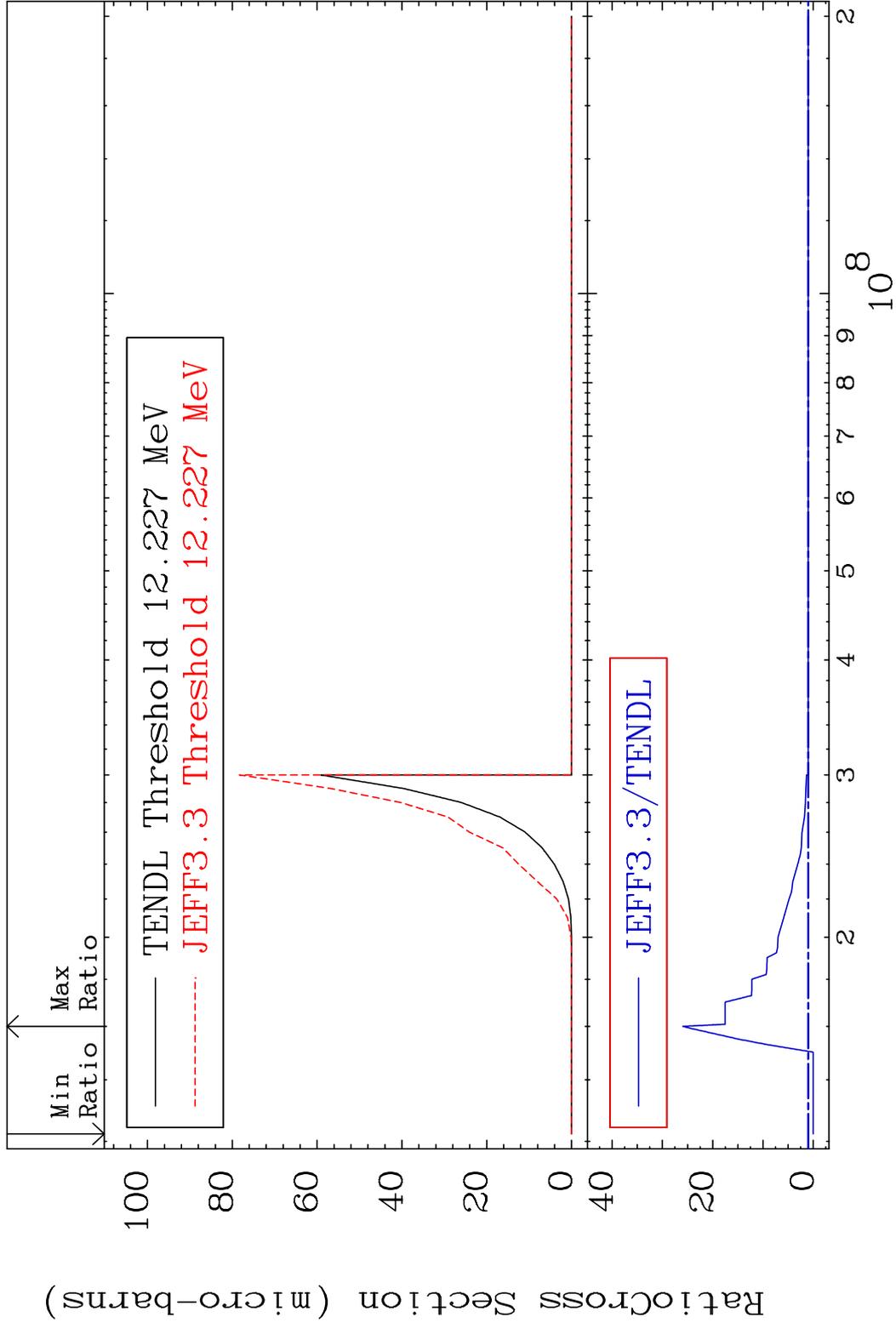


MAT 5825

(n,2n) p

58-Ce-136

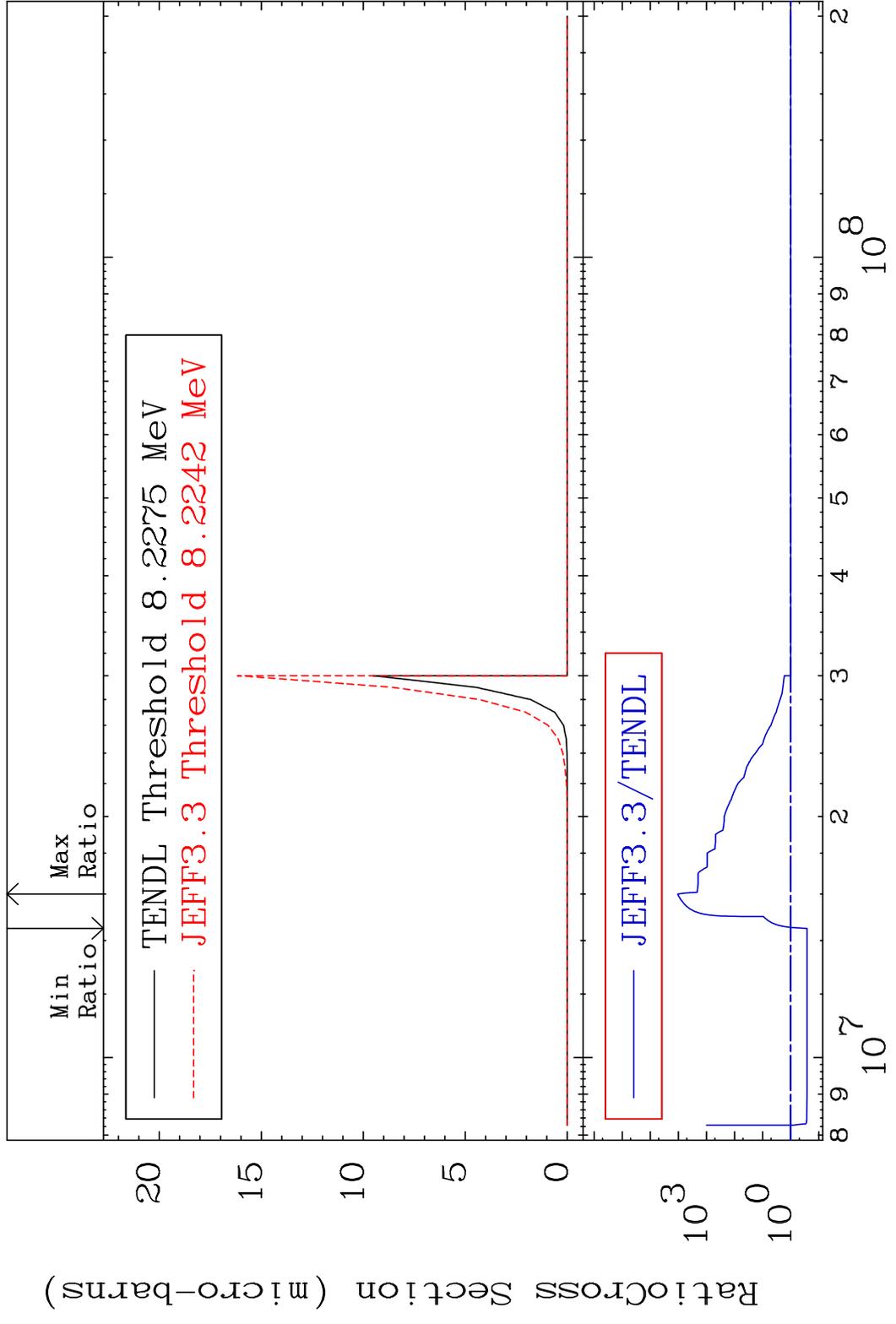
Cross Section -100.0 To 2494. %



MAT 5825

(n,n') p α
Cross Section -73.52 To 9999. %

58-Ce-136

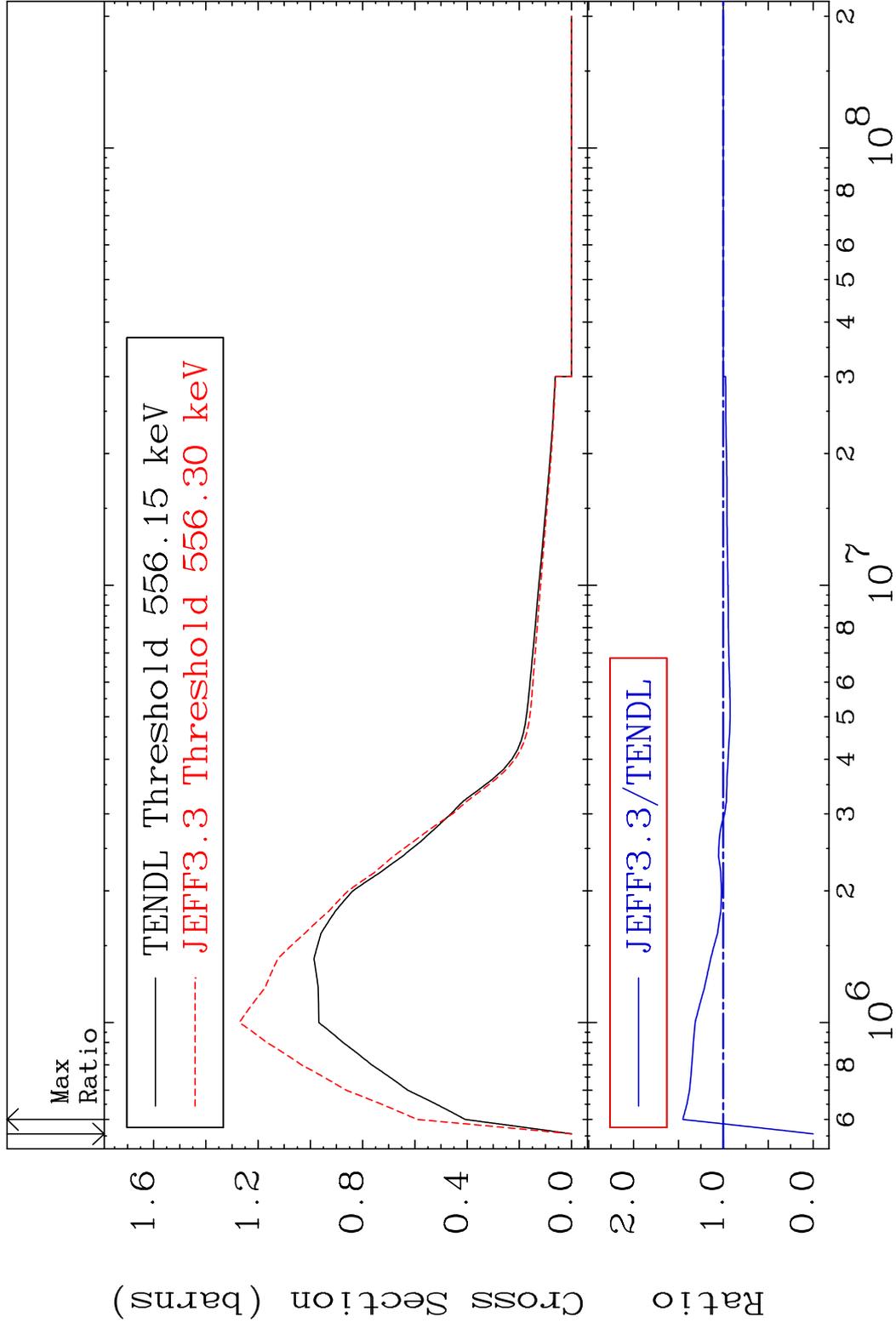


20

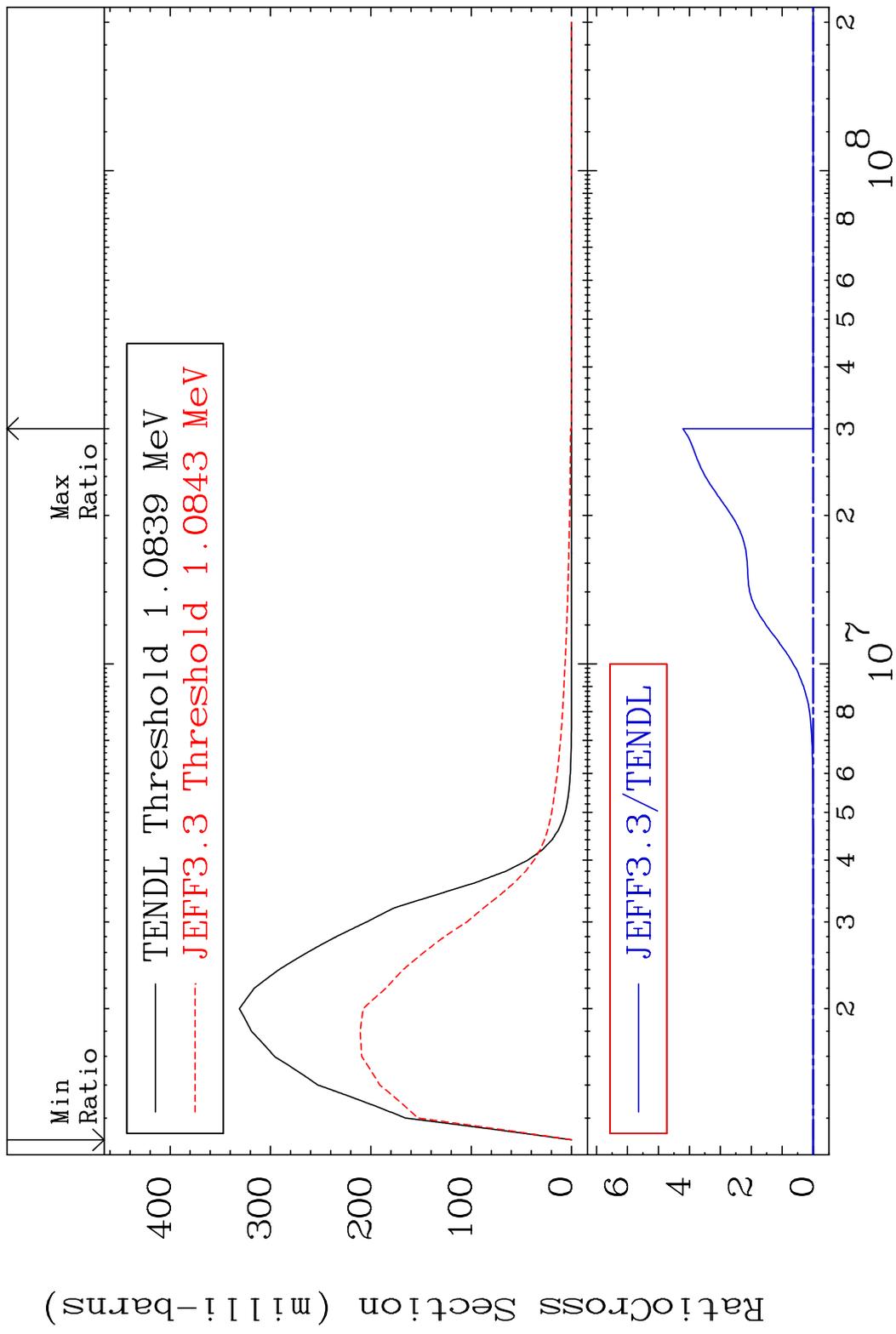
Incident Energy (eV)

58-Ce-136

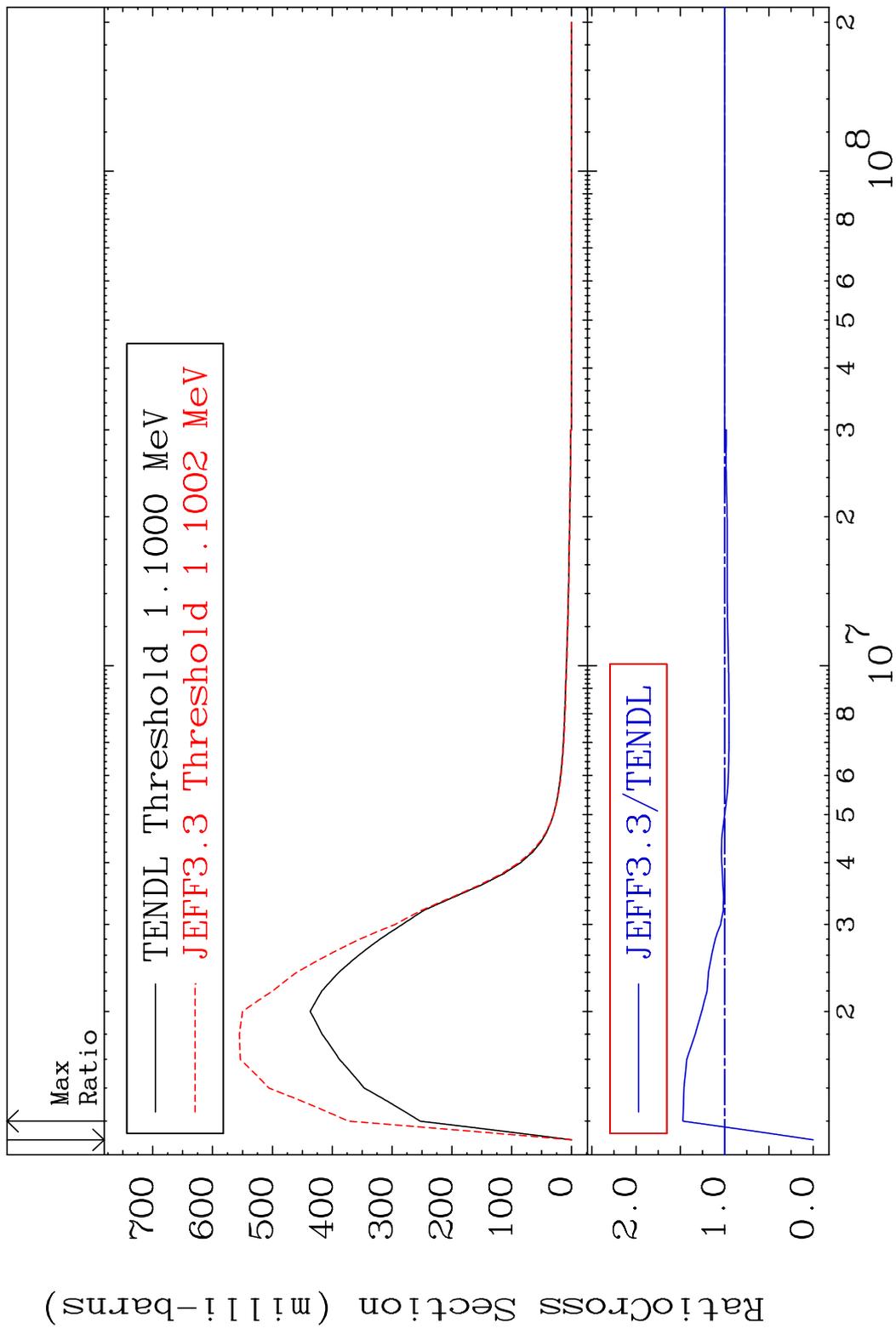
MAT 5825 MT= 51 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 45.10 %



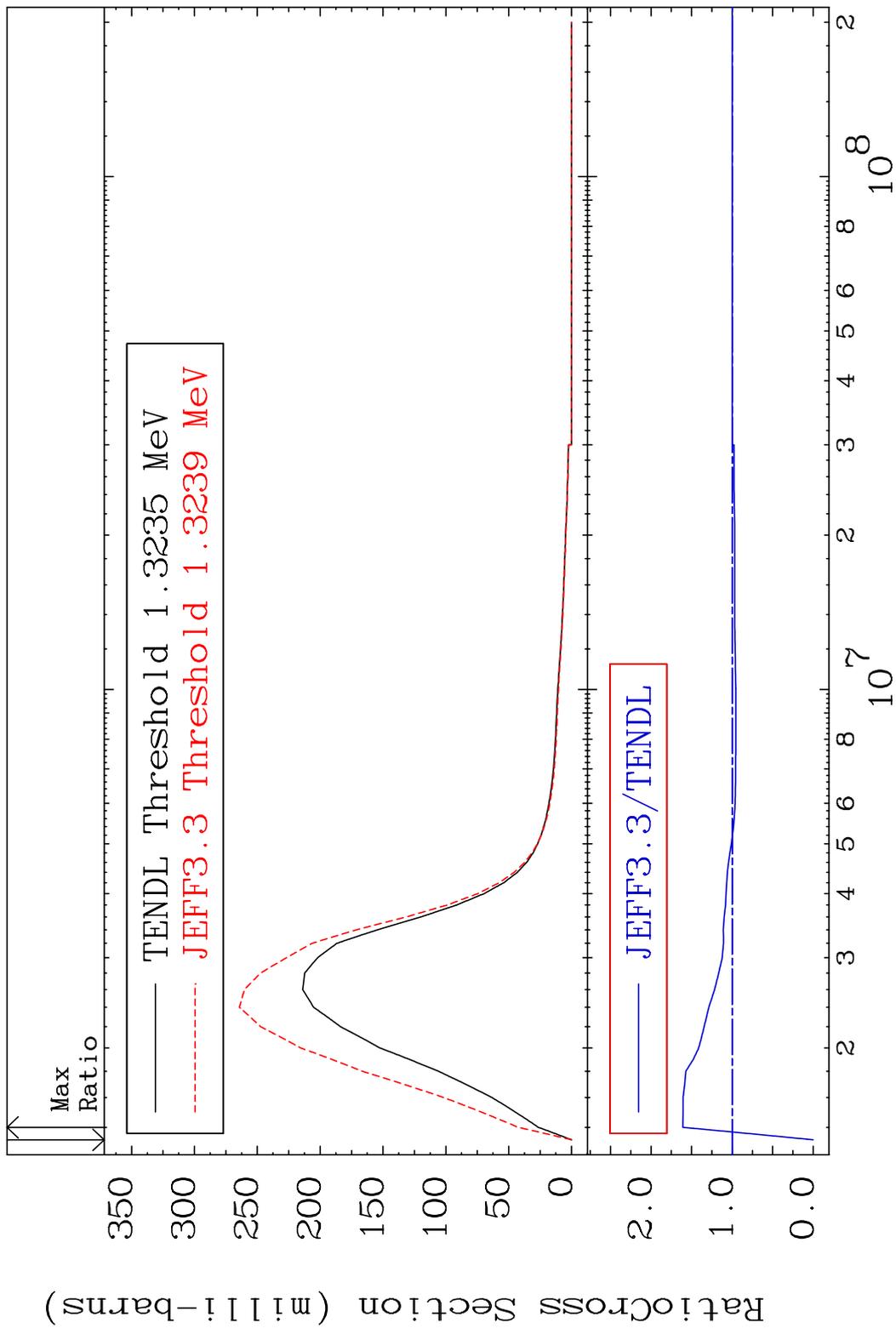
MAT 5825 MT= 52 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 9999. %



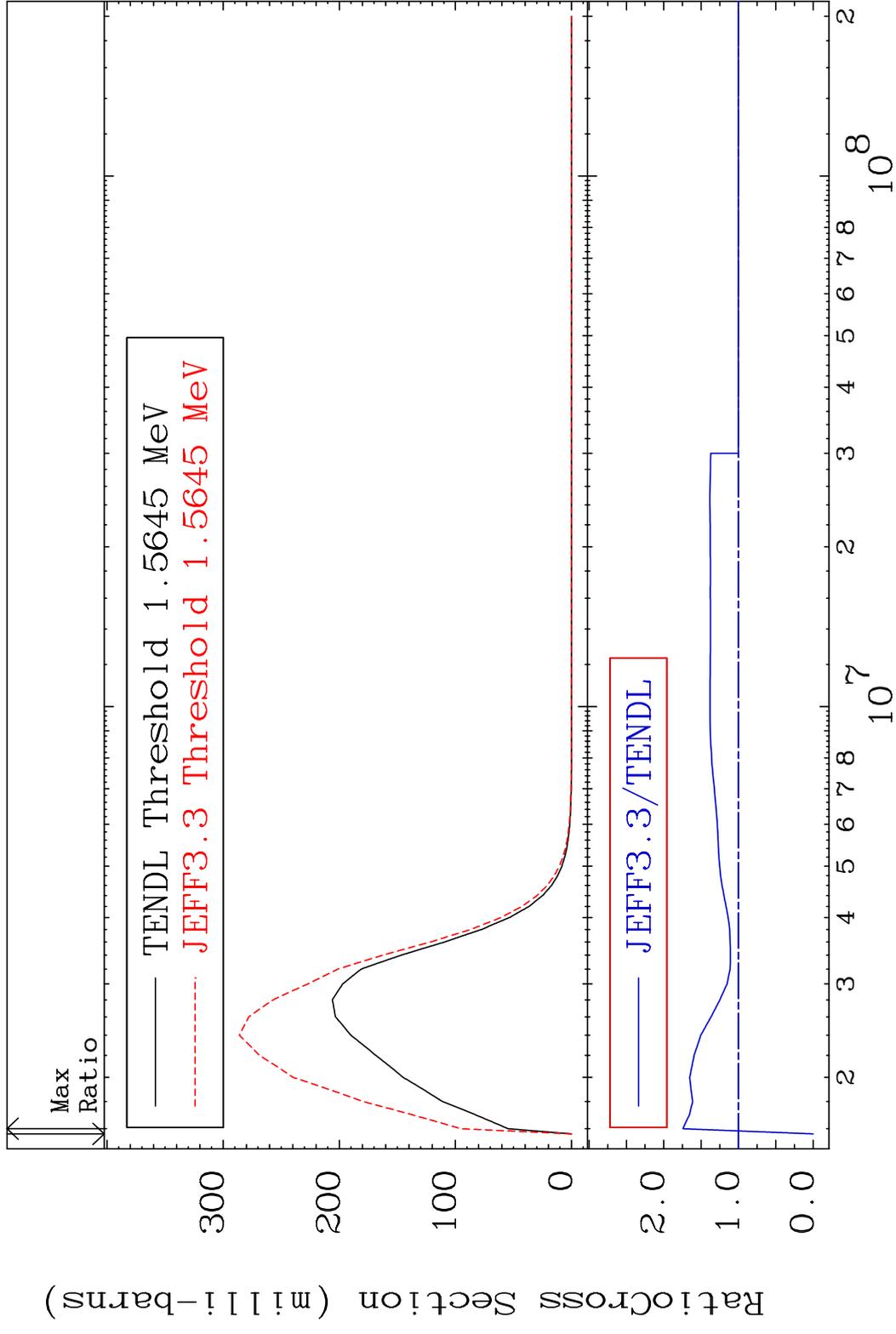
MAT 5825 MT= 53 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 47.16 %



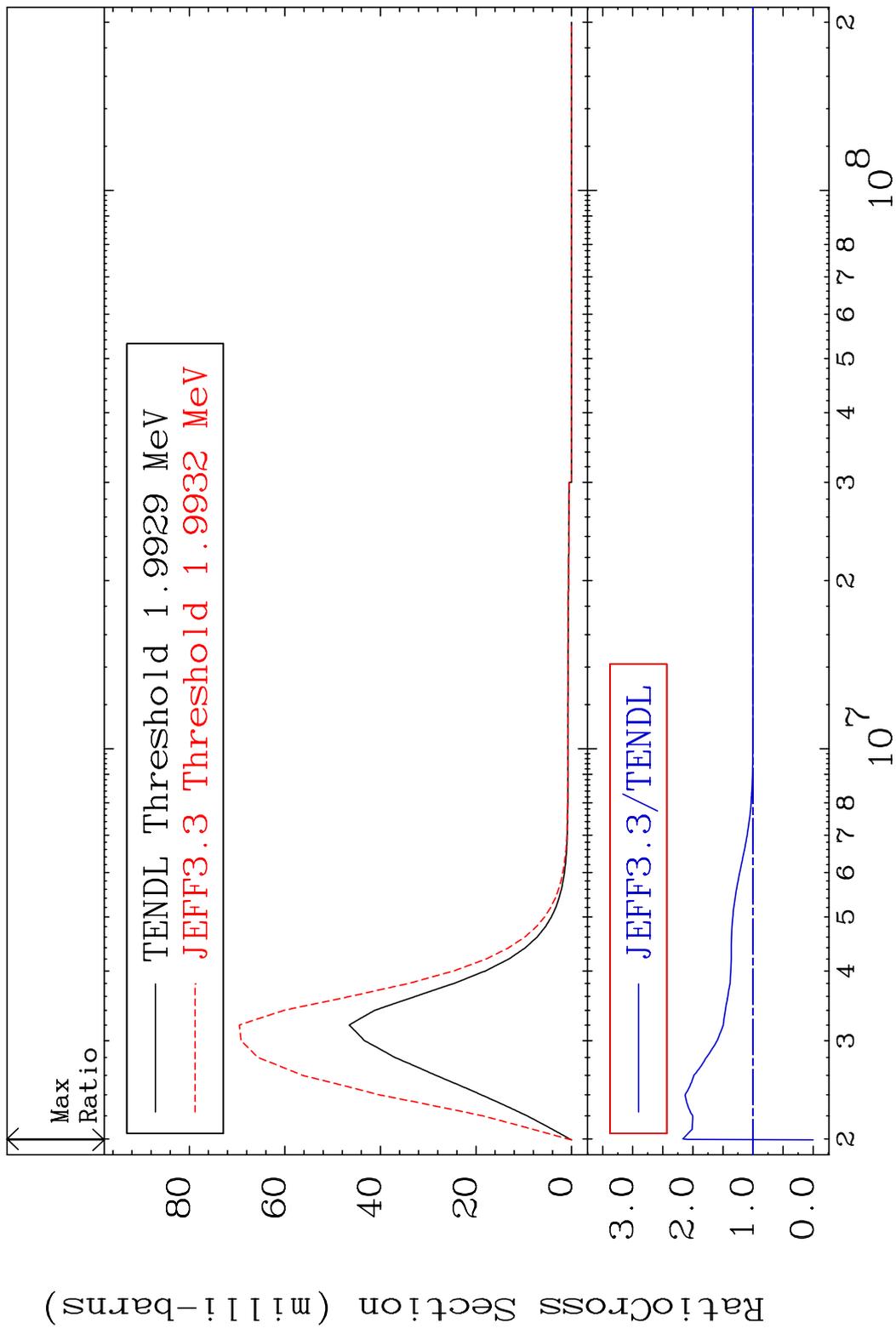
MAT 5825 MT= 54 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 60.81 %



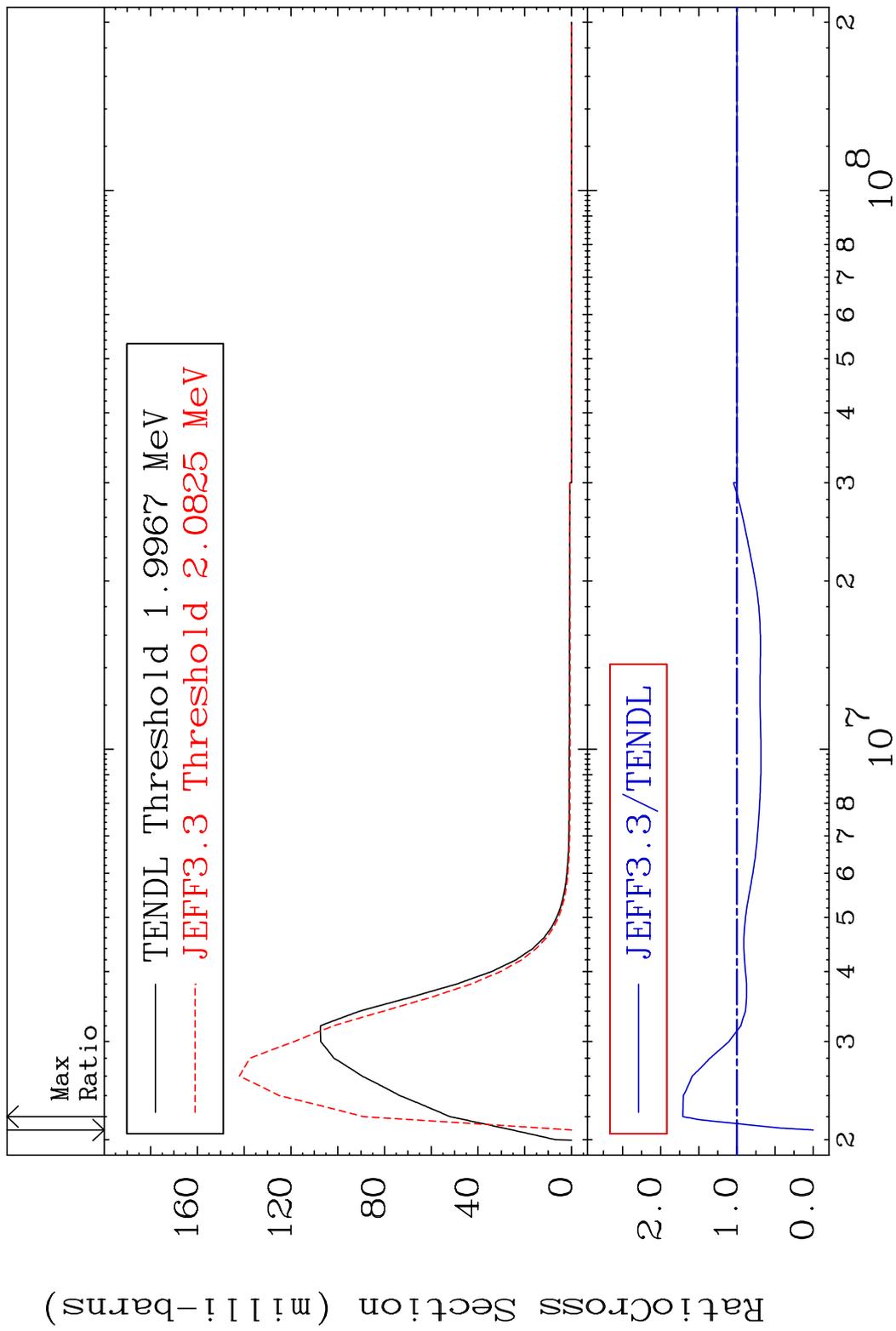
MAT 5825 MT= 55 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 74.44 %



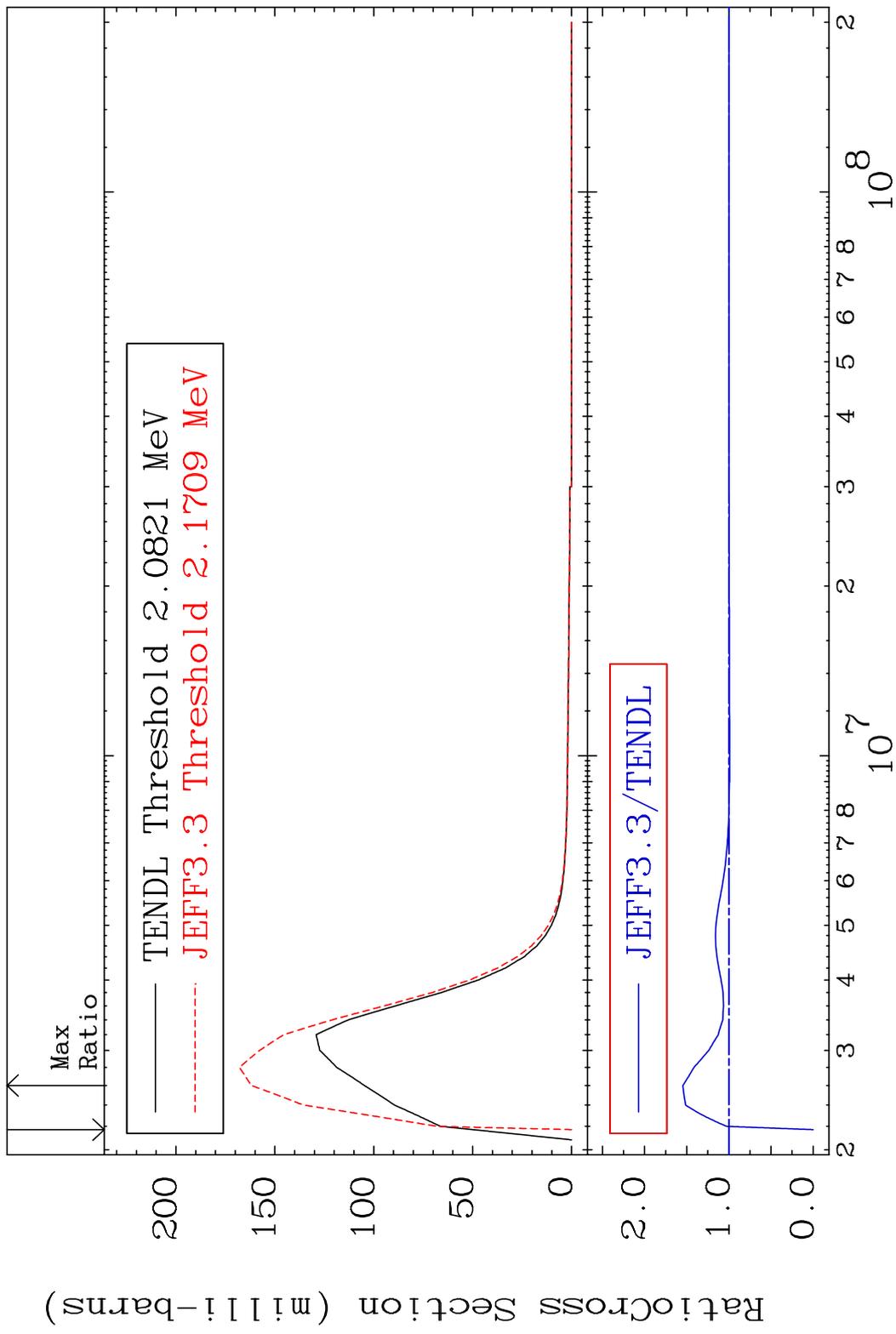
MAT 5825 MT= 56 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 116.7 %



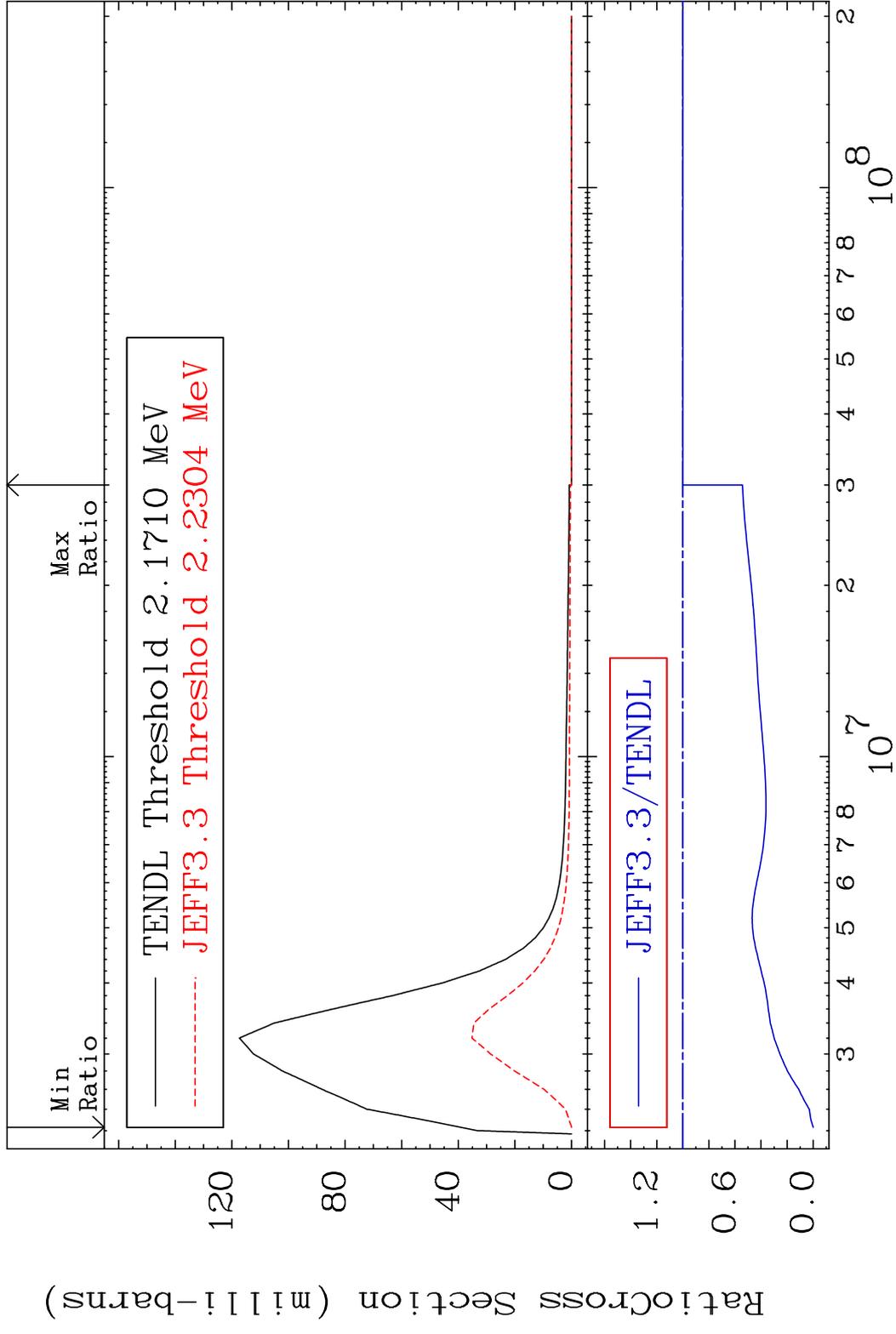
MAT 5825 MT= 57 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 70.95 %



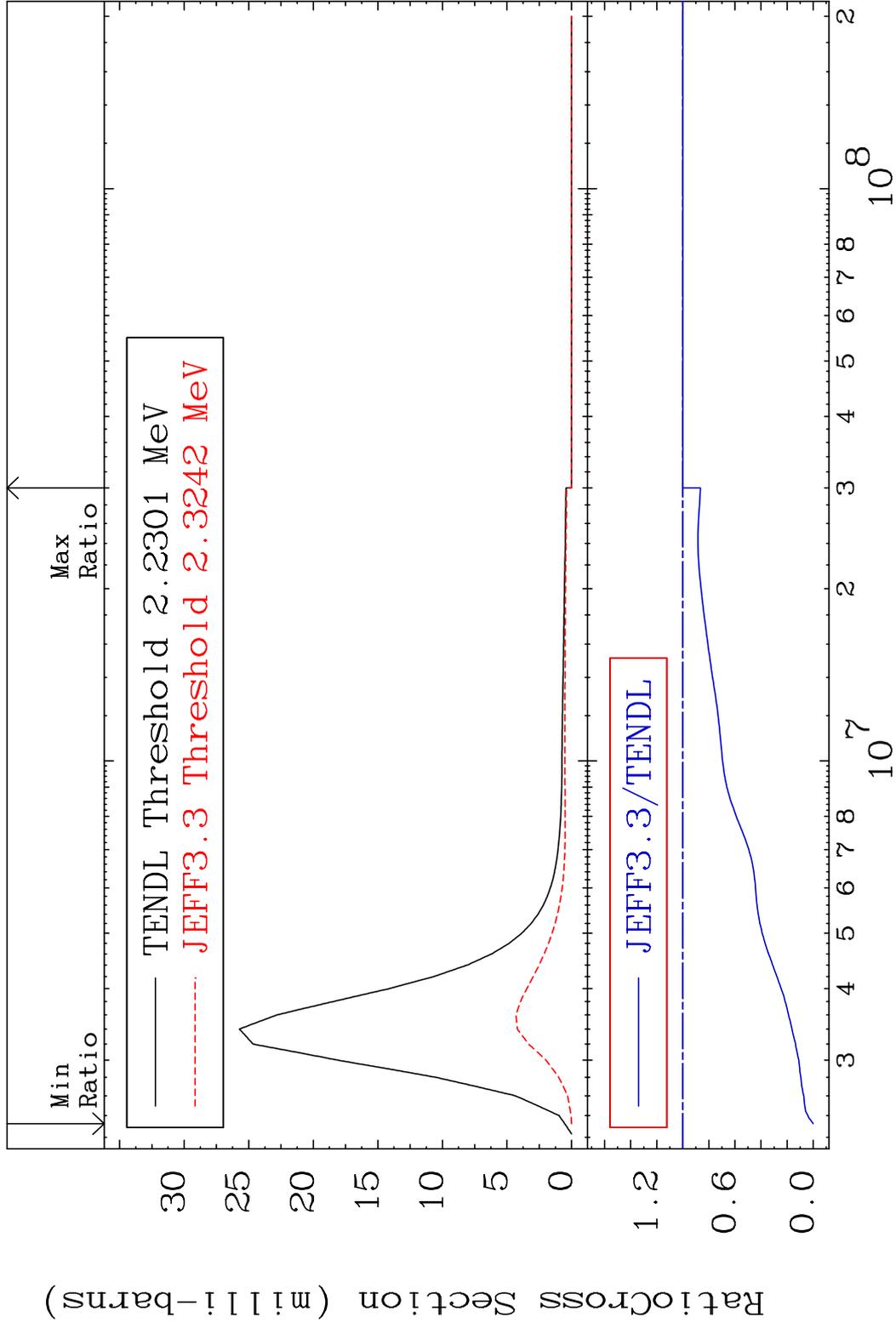
MAT 5825 MT= 58 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 54.62 %



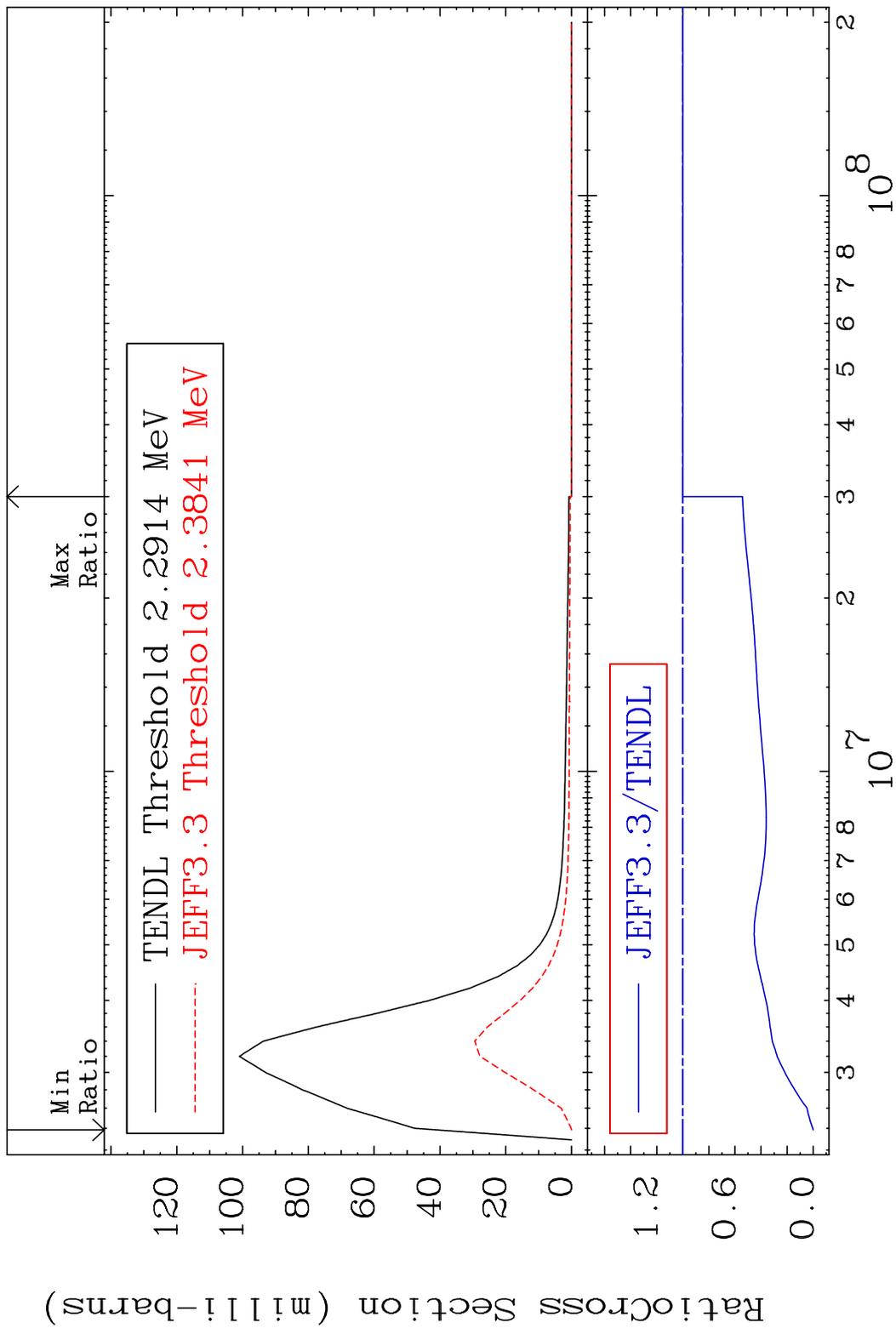
MAT 5825 MT= 59 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %



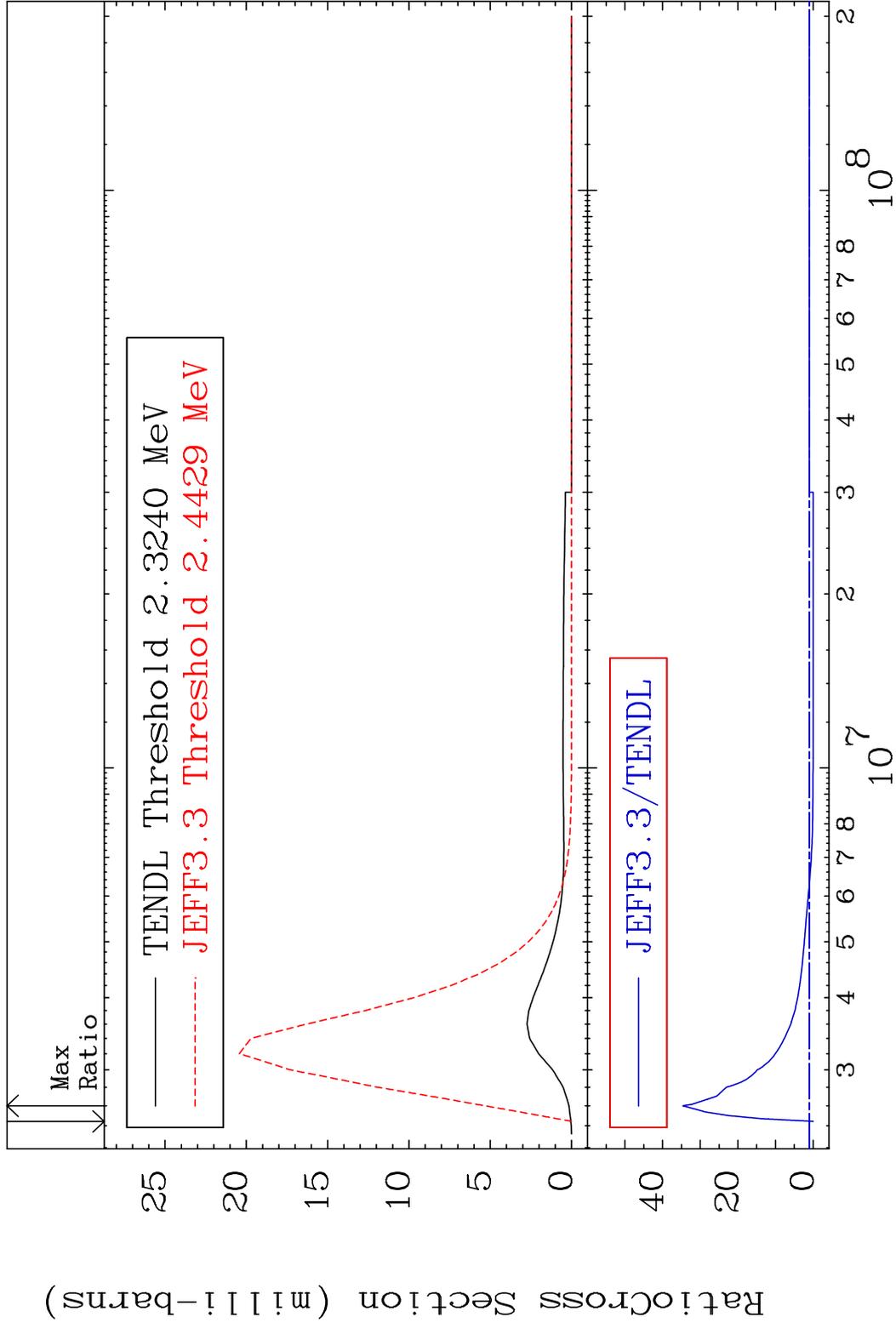
MAT 5825 MT= 60 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %



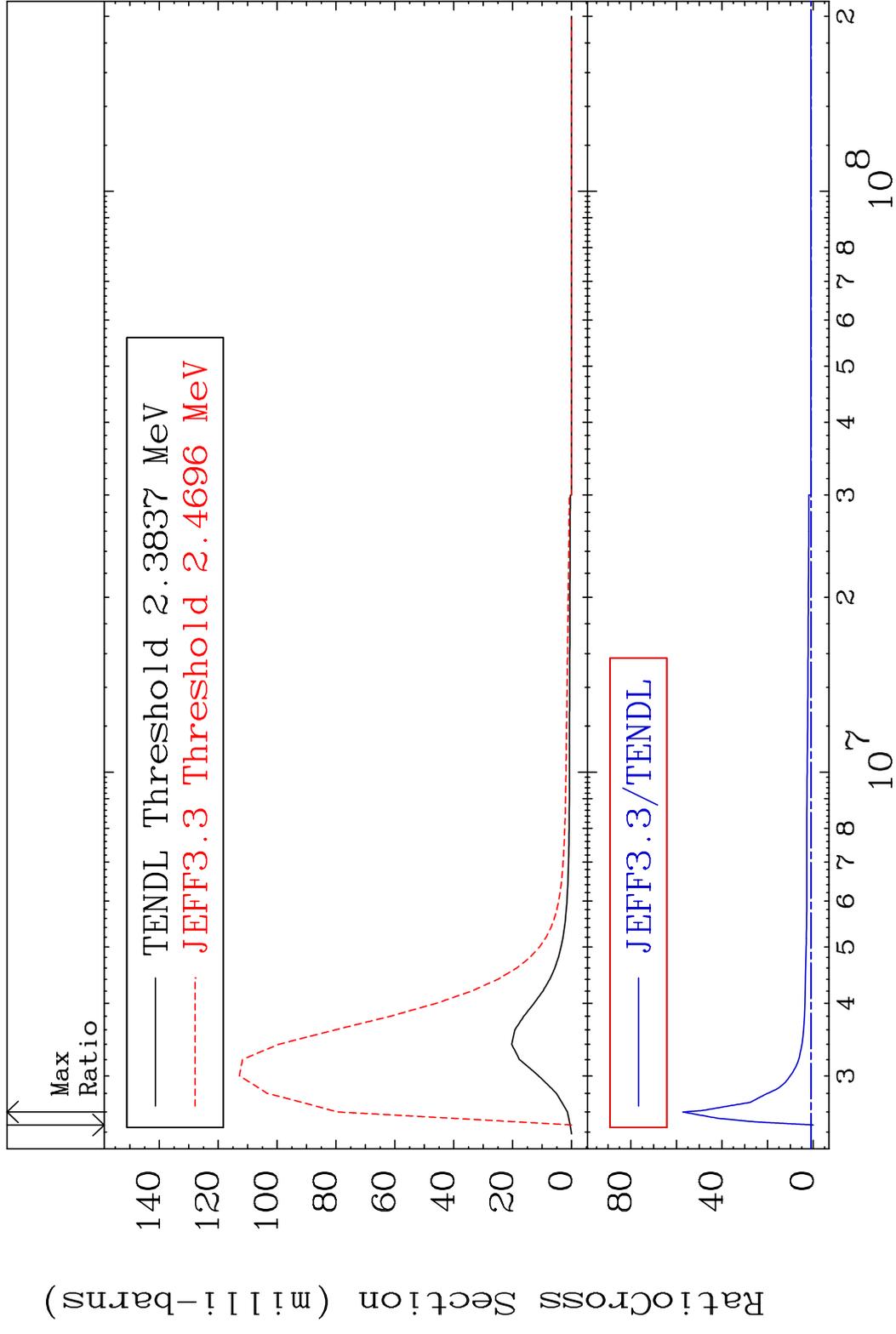
MAT 5825 MT= 61 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %



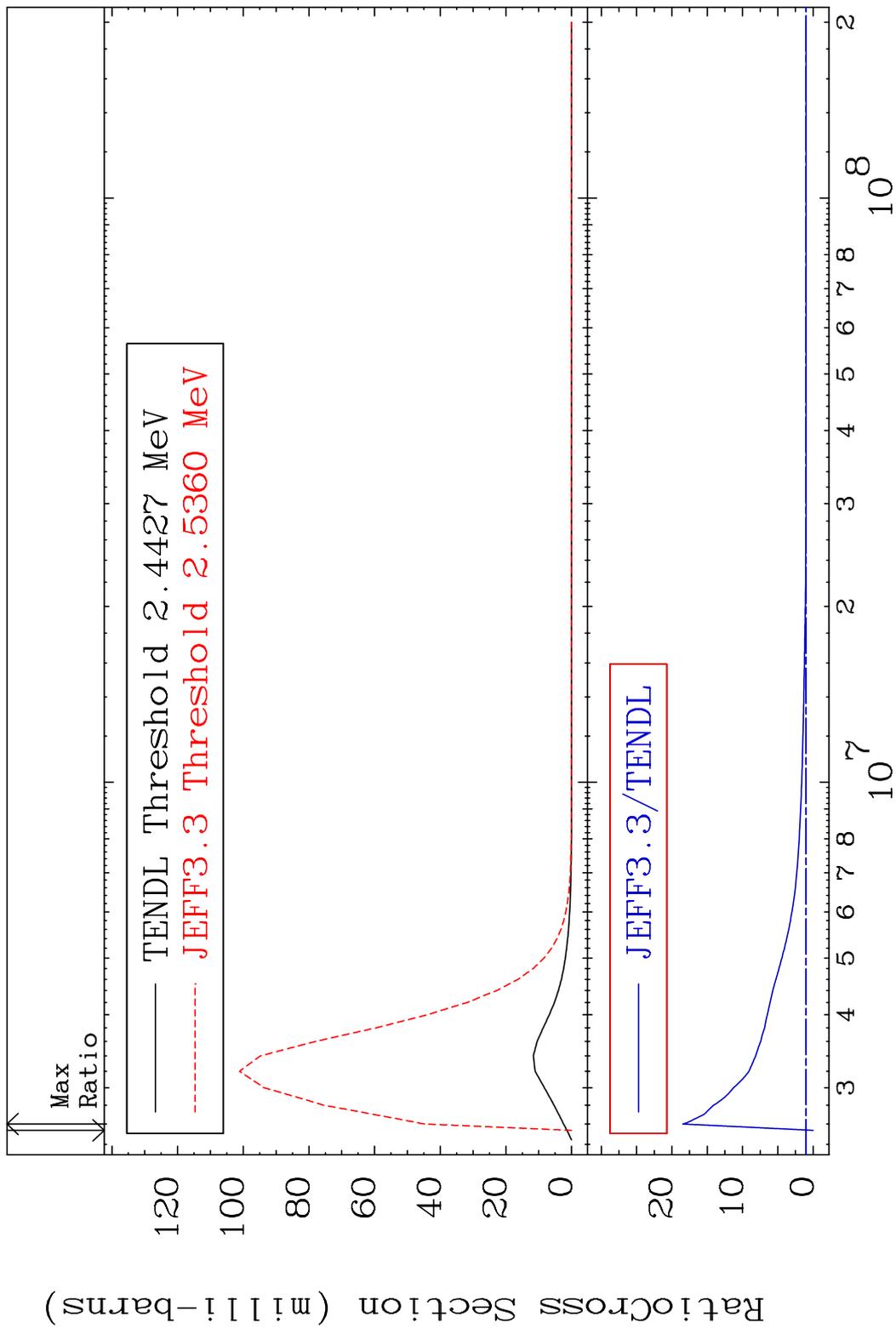
MAT 5825 MT= 62 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 3362. %



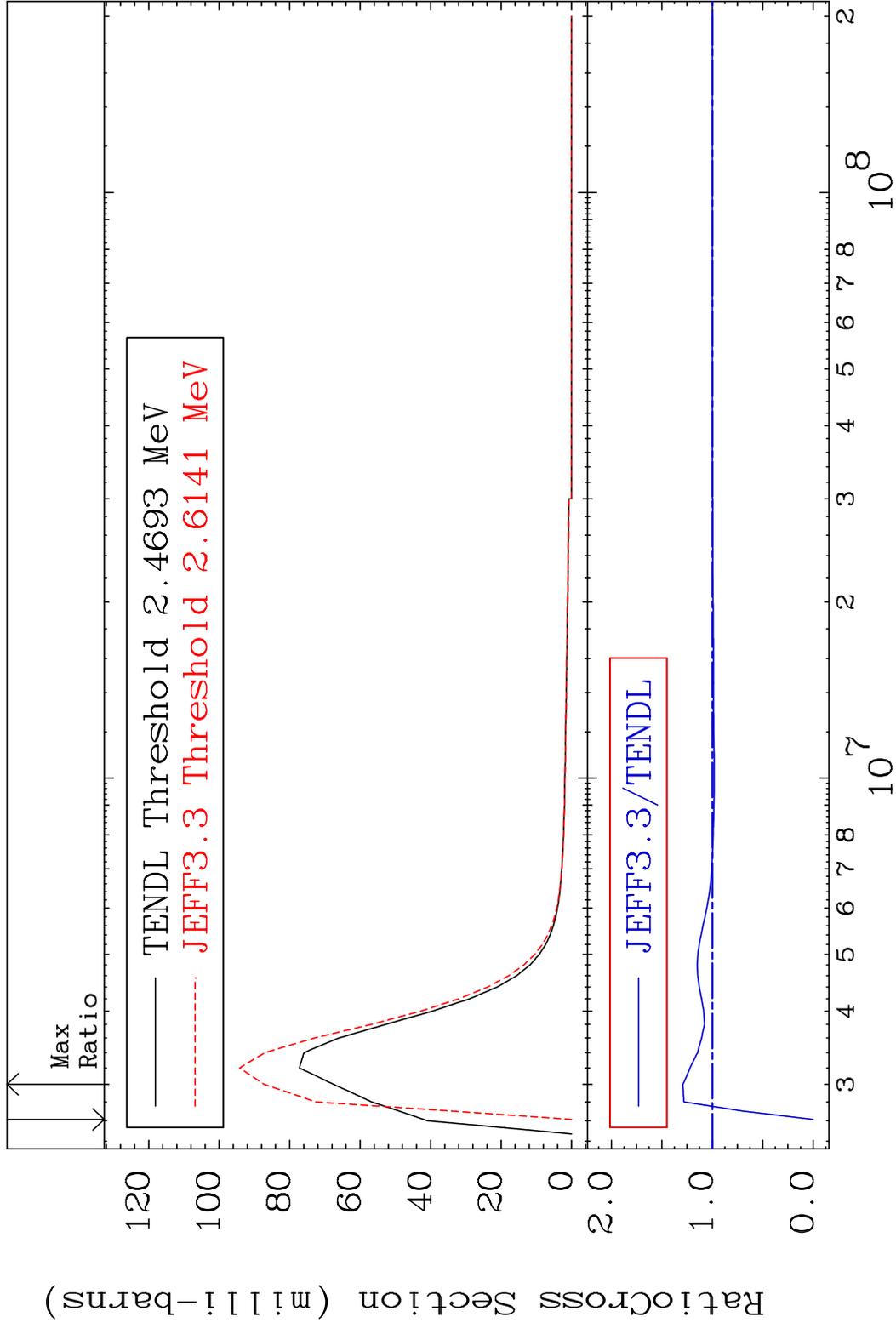
MAT 5825 MT= 63 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 5618. %



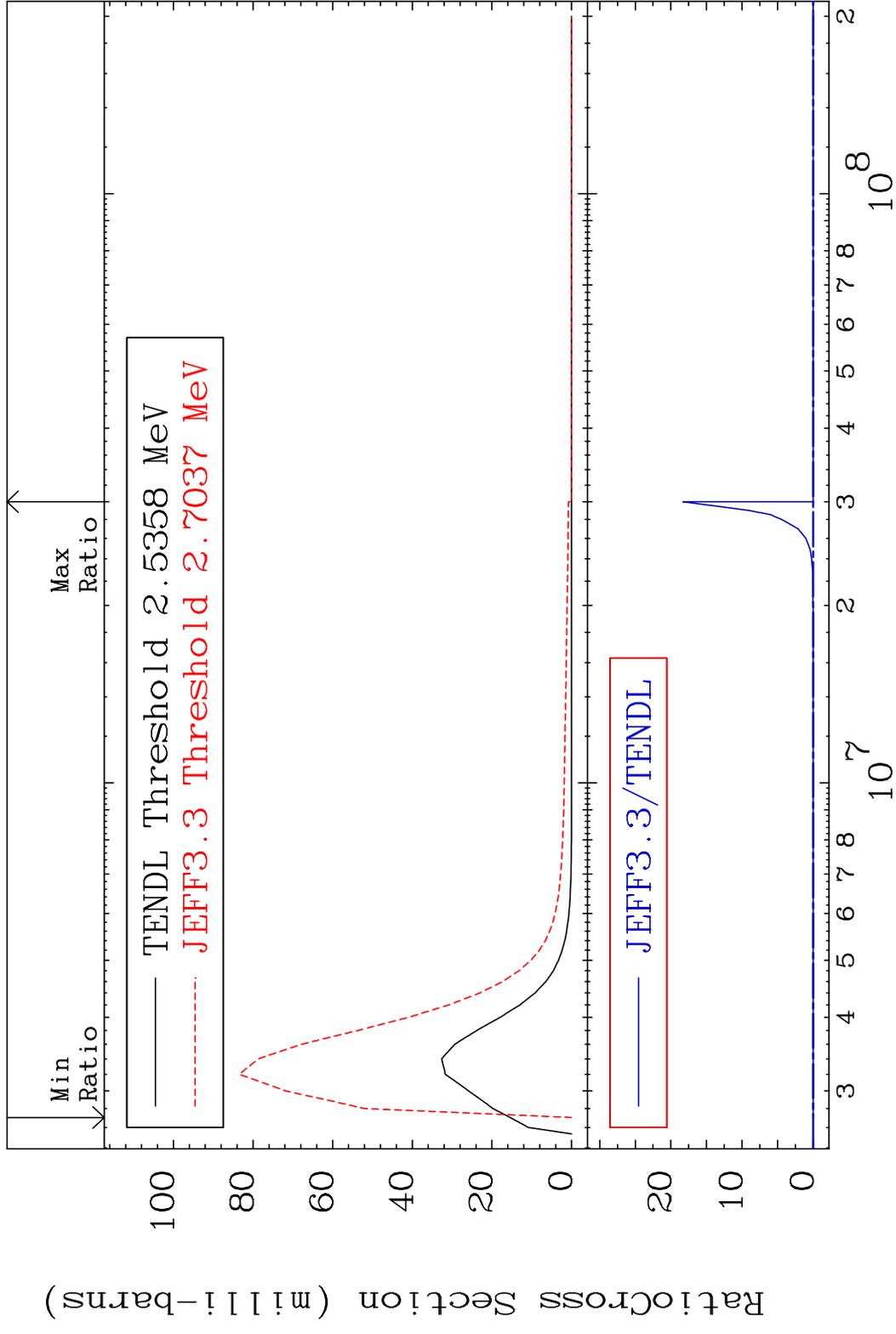
MAT 5825 MT= 64 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 1746. %



MAT 5825 MT= 65 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 29.13 %

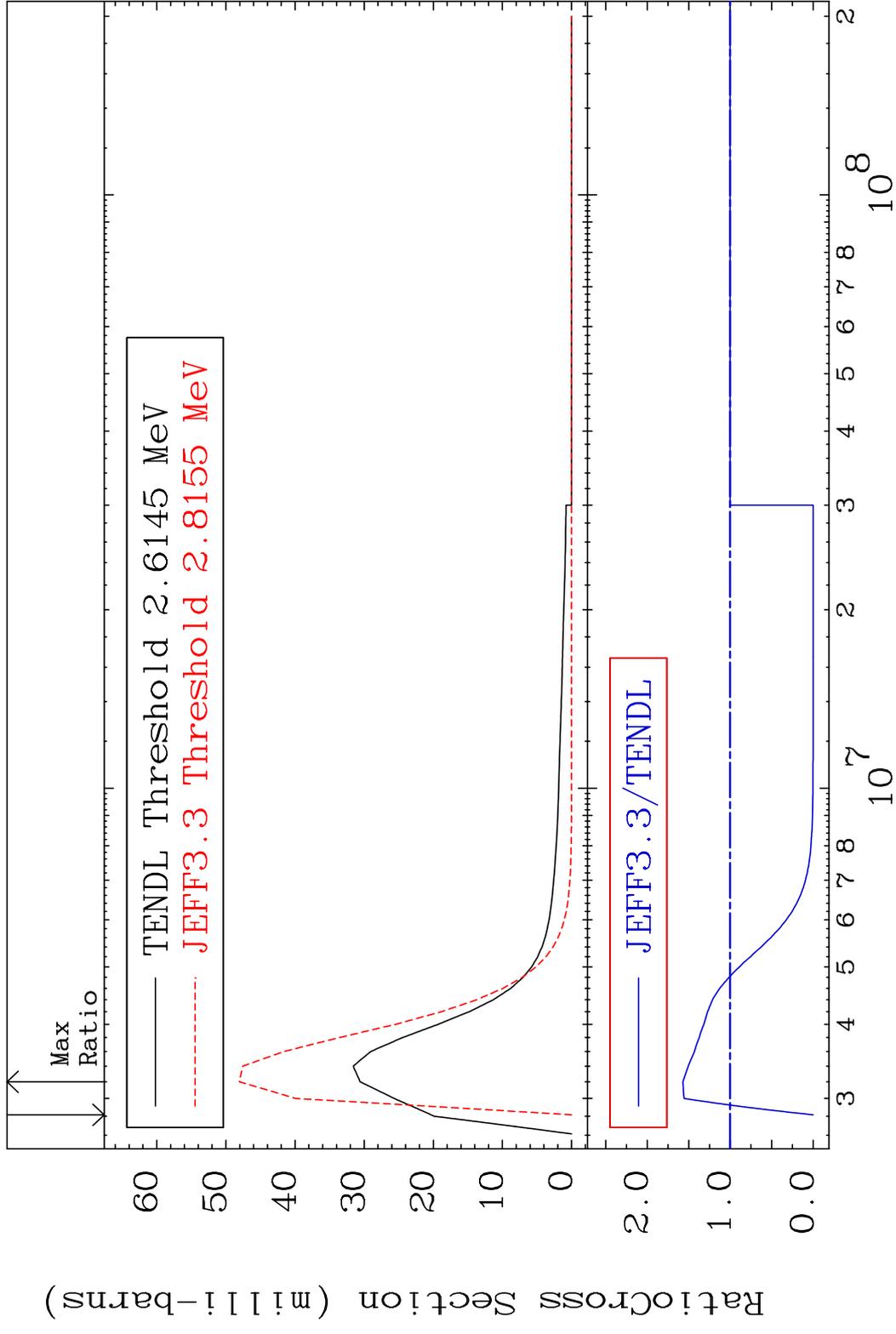


MAT 5825 MT= 66 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 9999. %

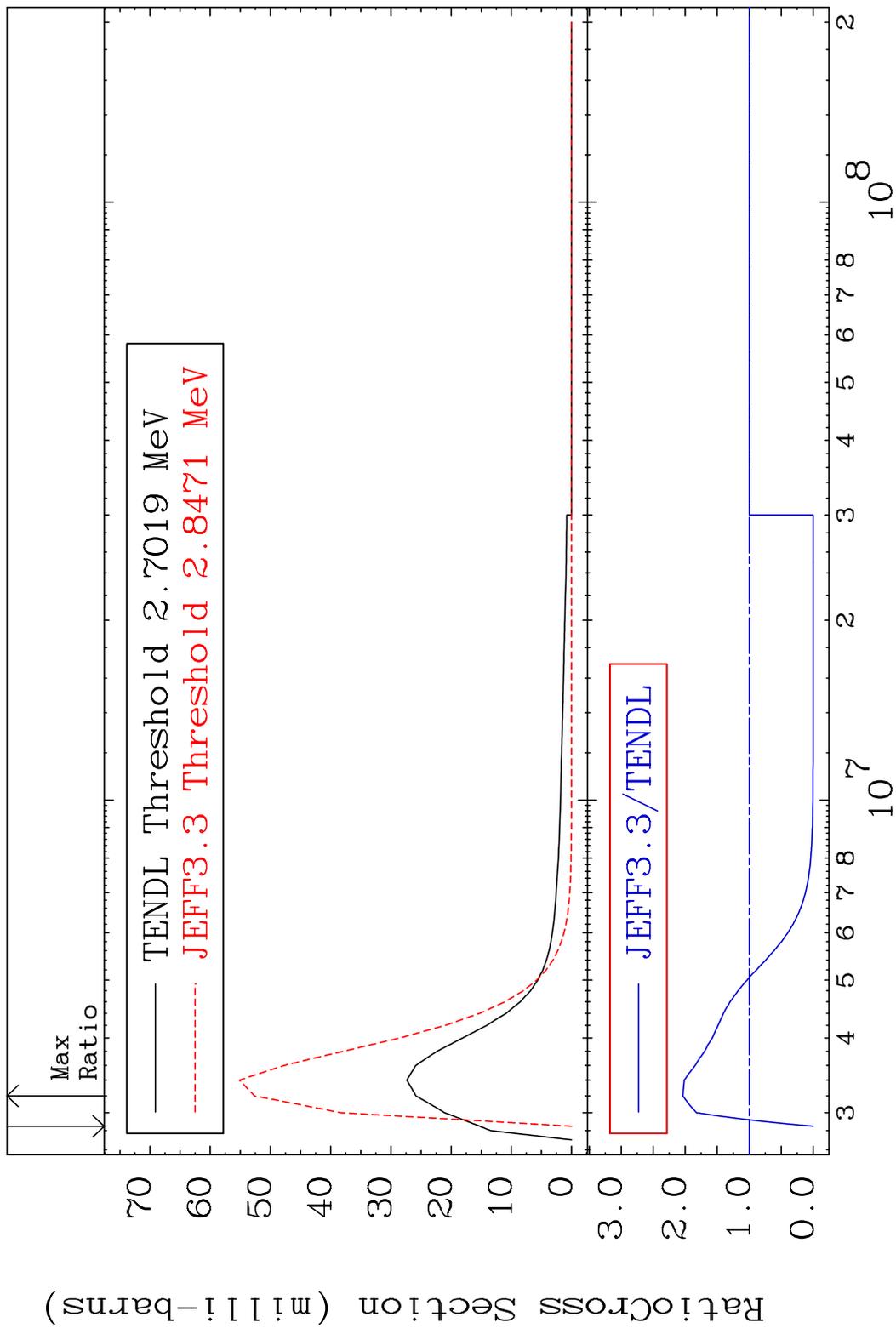


36 Incident Energy (eV) 58-Ce-136

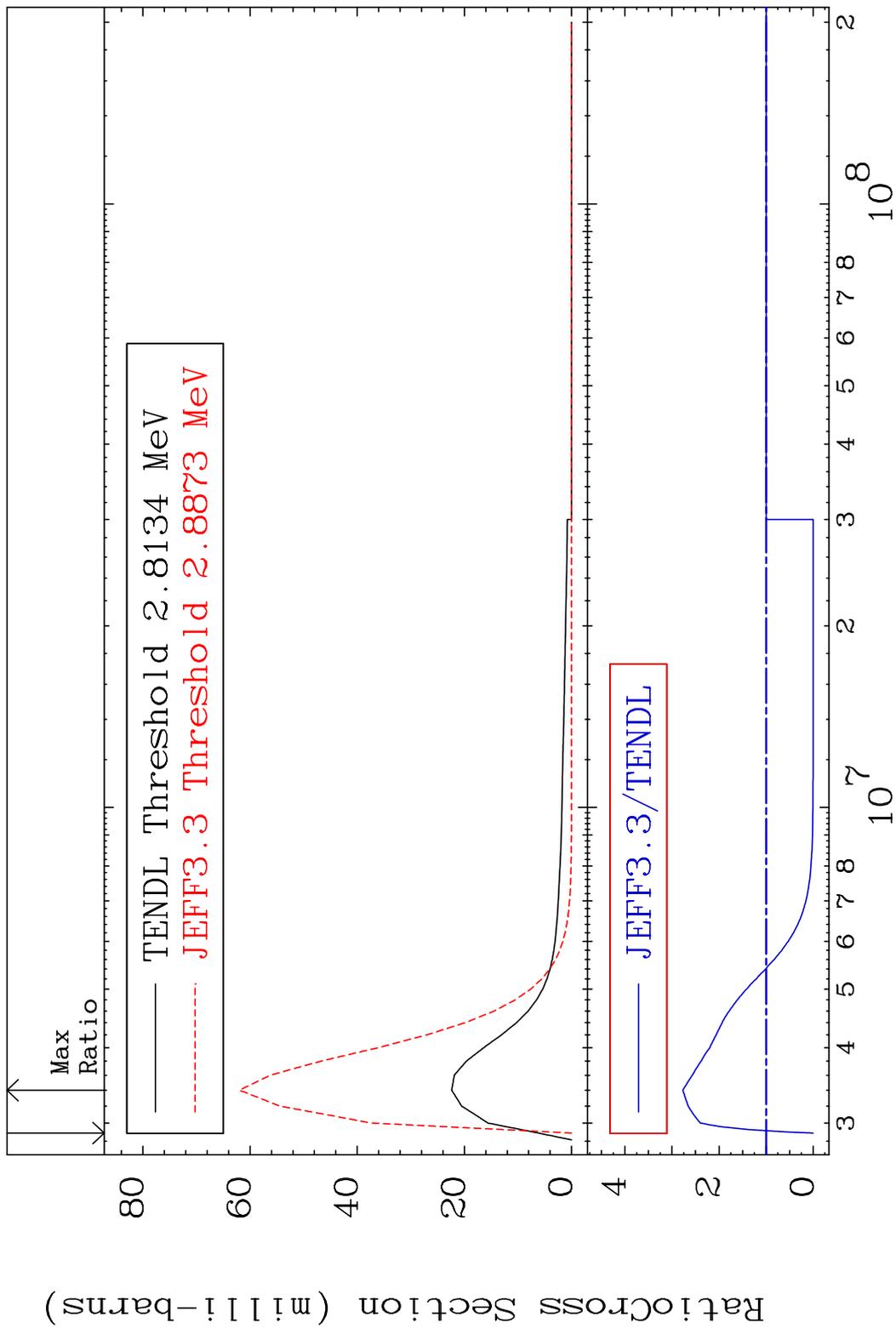
MAT 5825 MT= 67 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 57.14 %



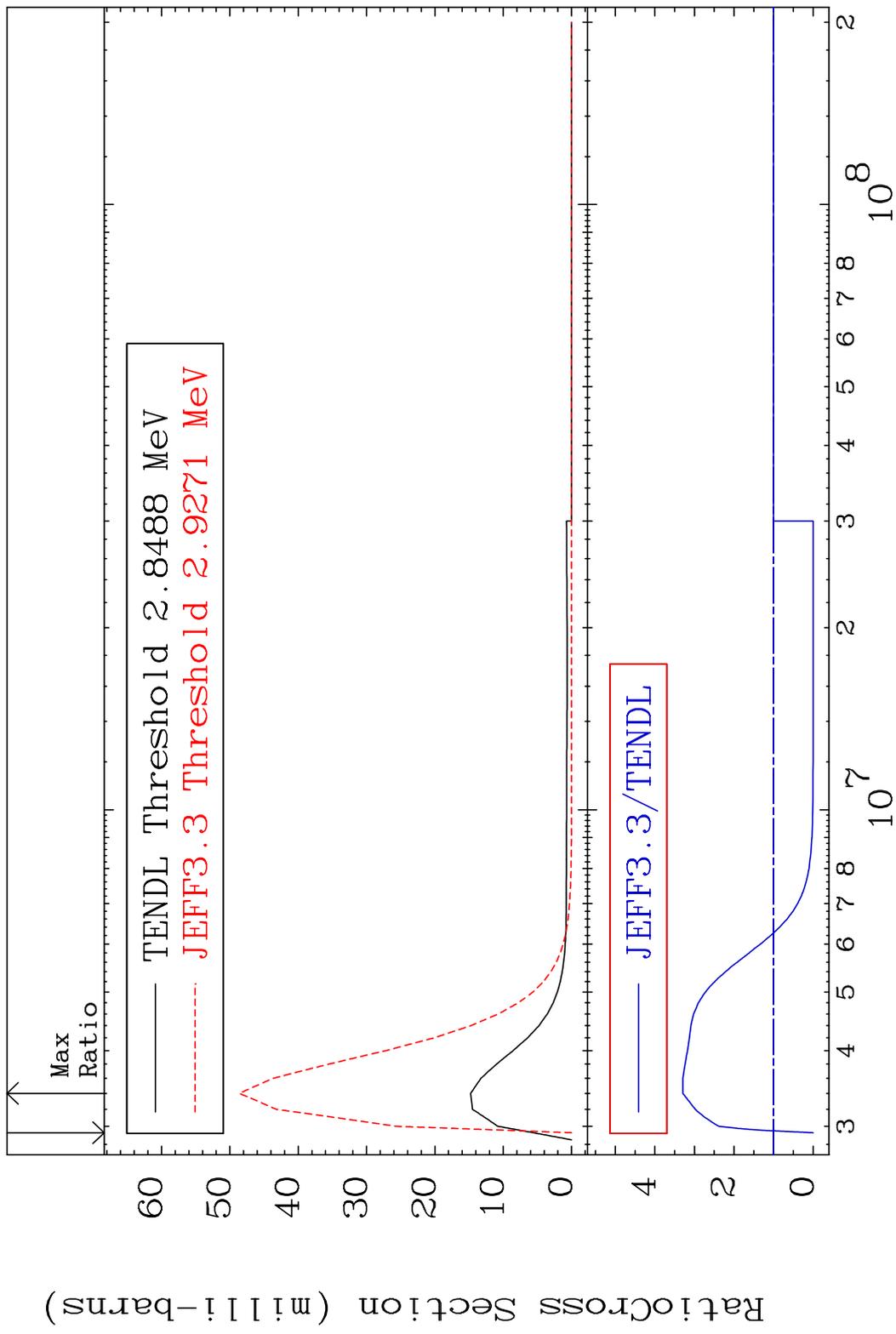
MAT 5825 MT= 68 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 103.8 %



MAT 5825 MT= 69 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 177.0 %

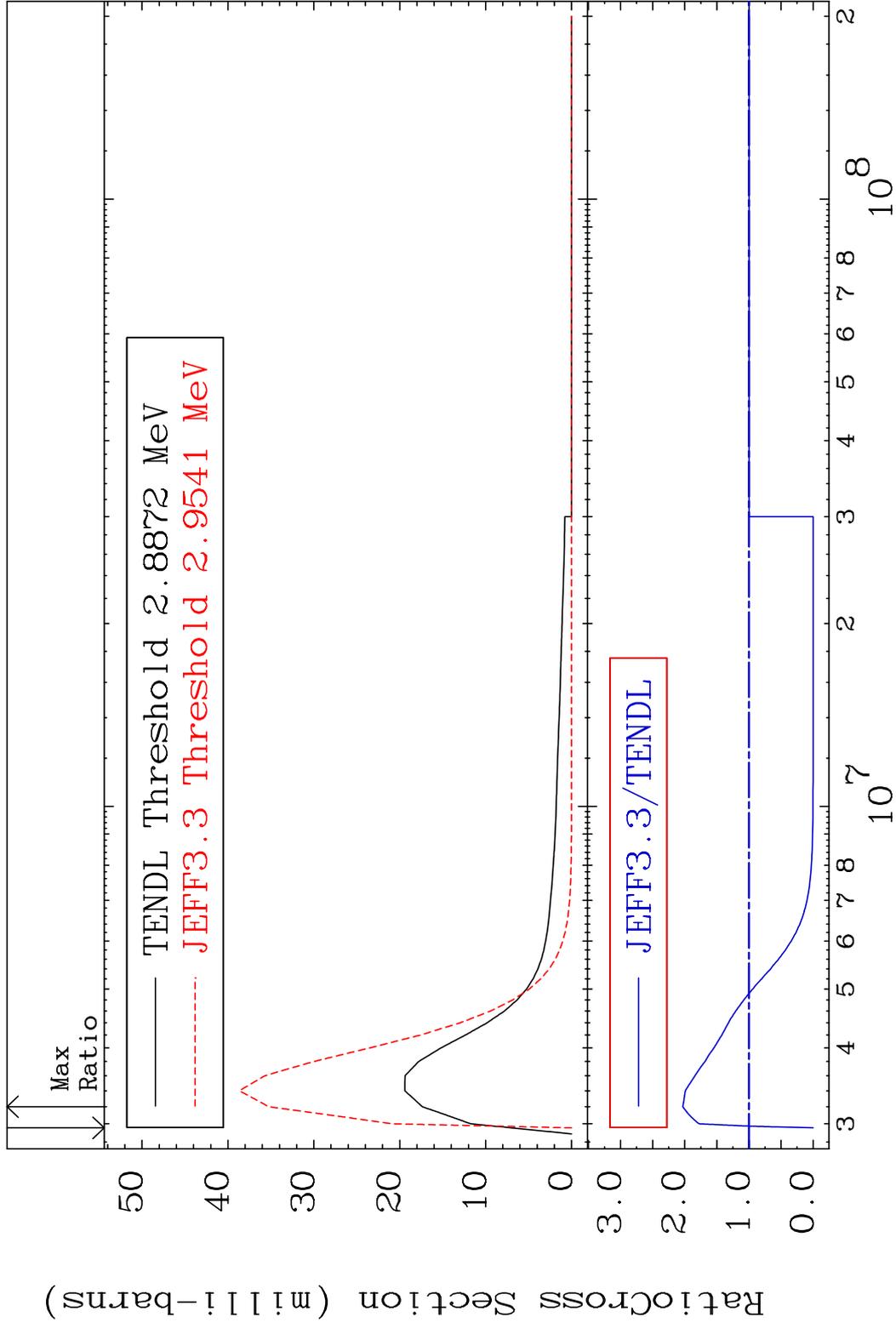


MAT 5825 MT= 70 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 229.4 %

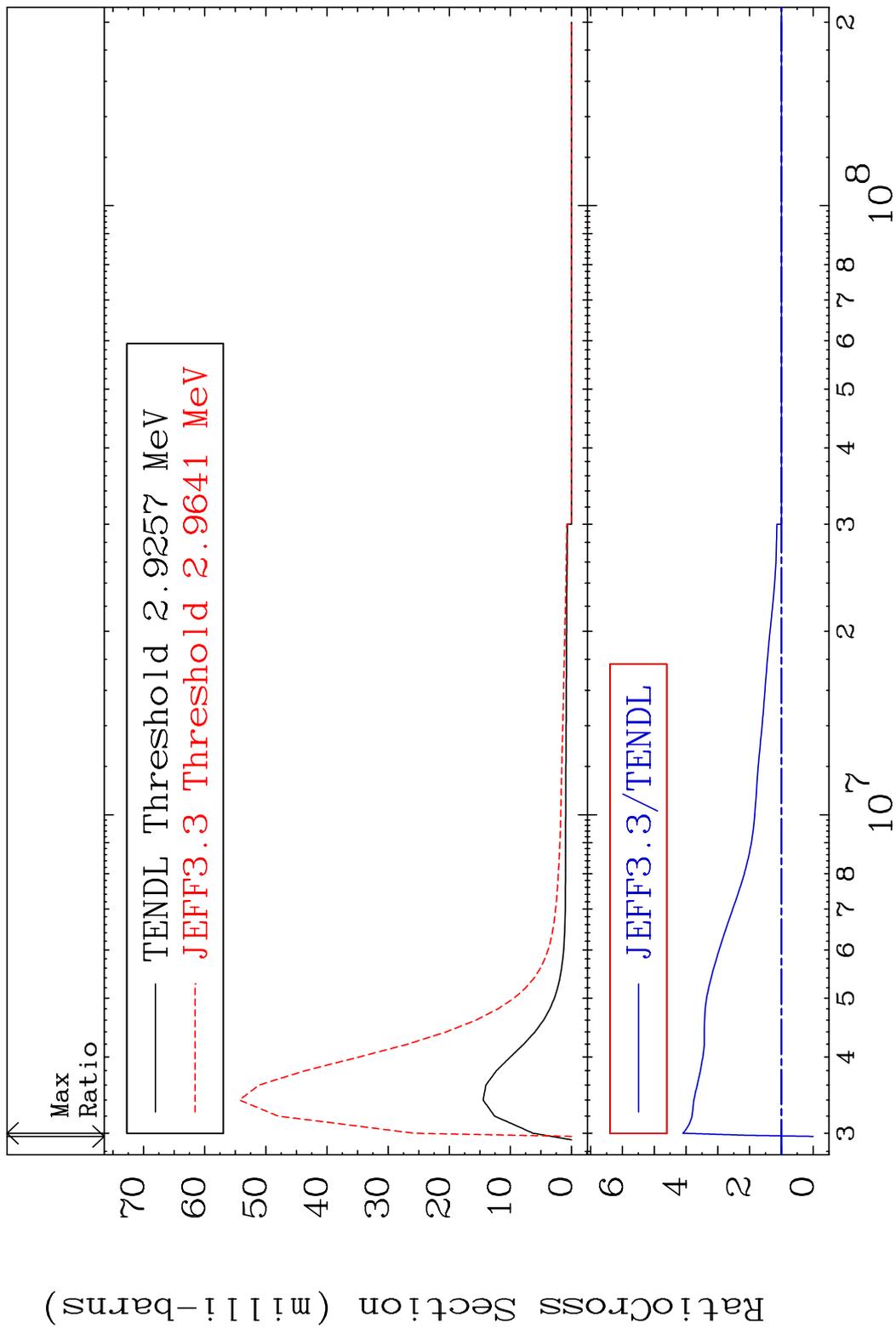


40 Incident Energy (eV) 58-Ce-136

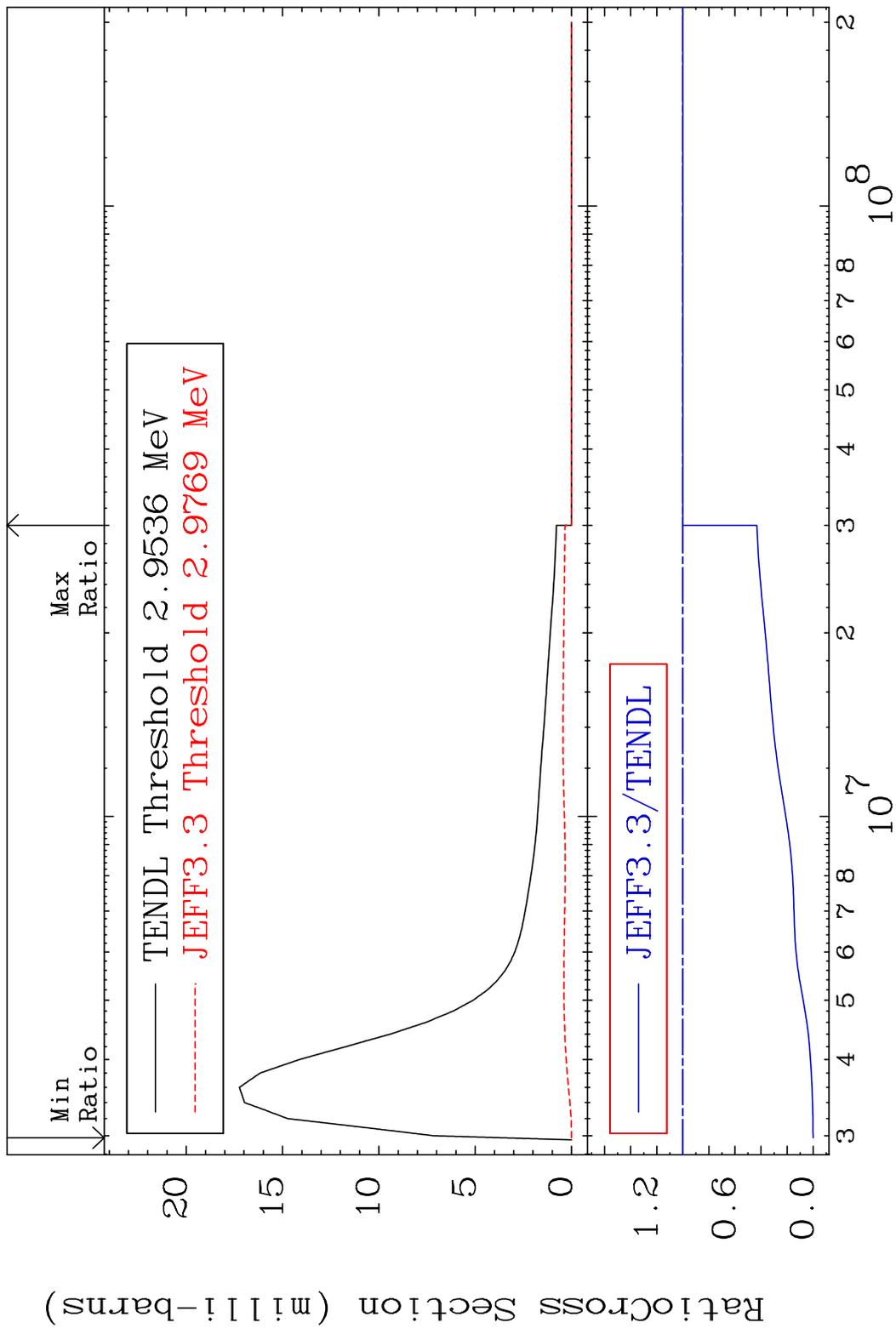
MAT 5825 MT= 71 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 103.0 %



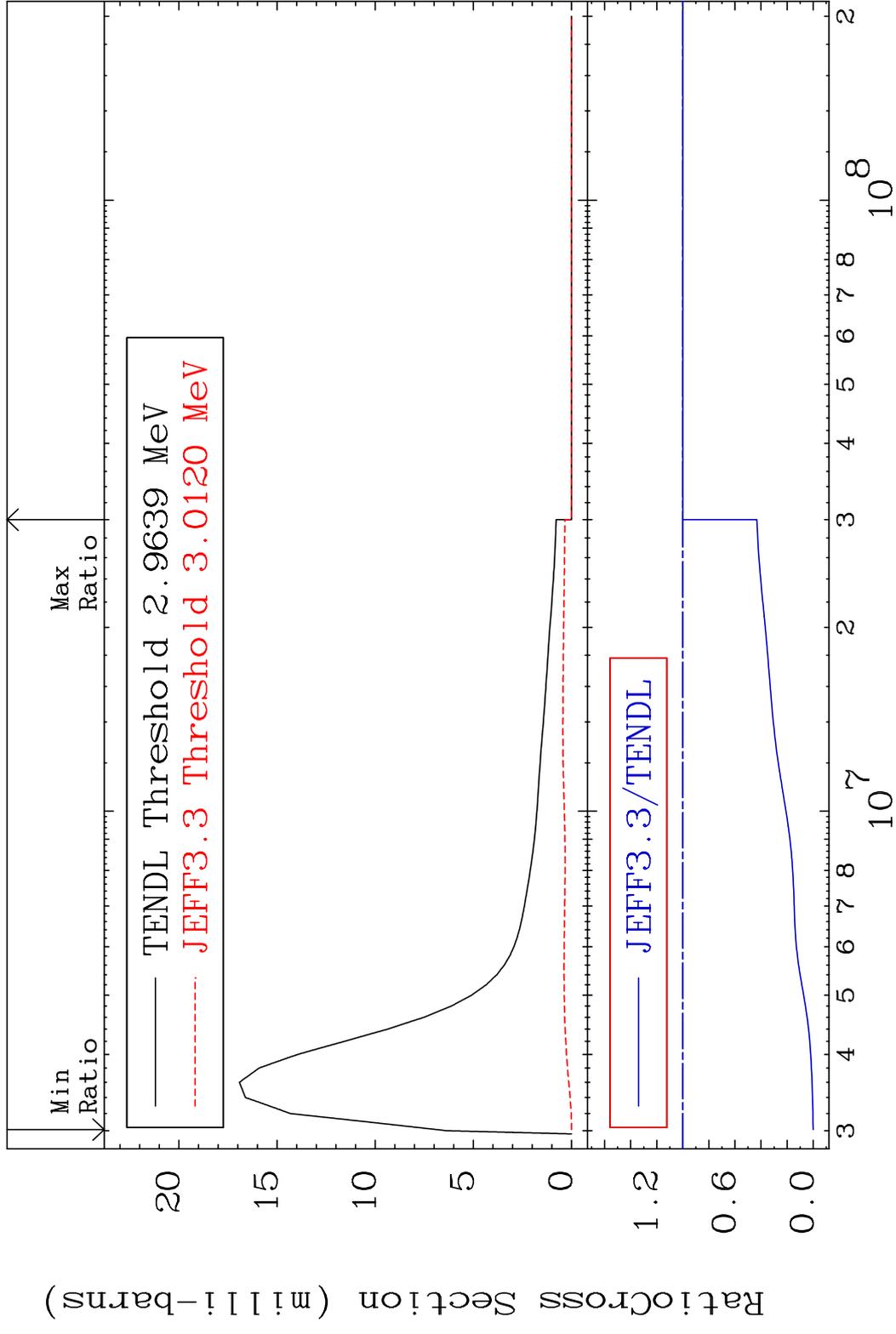
MAT 5825 MT= 72 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 310.1 %



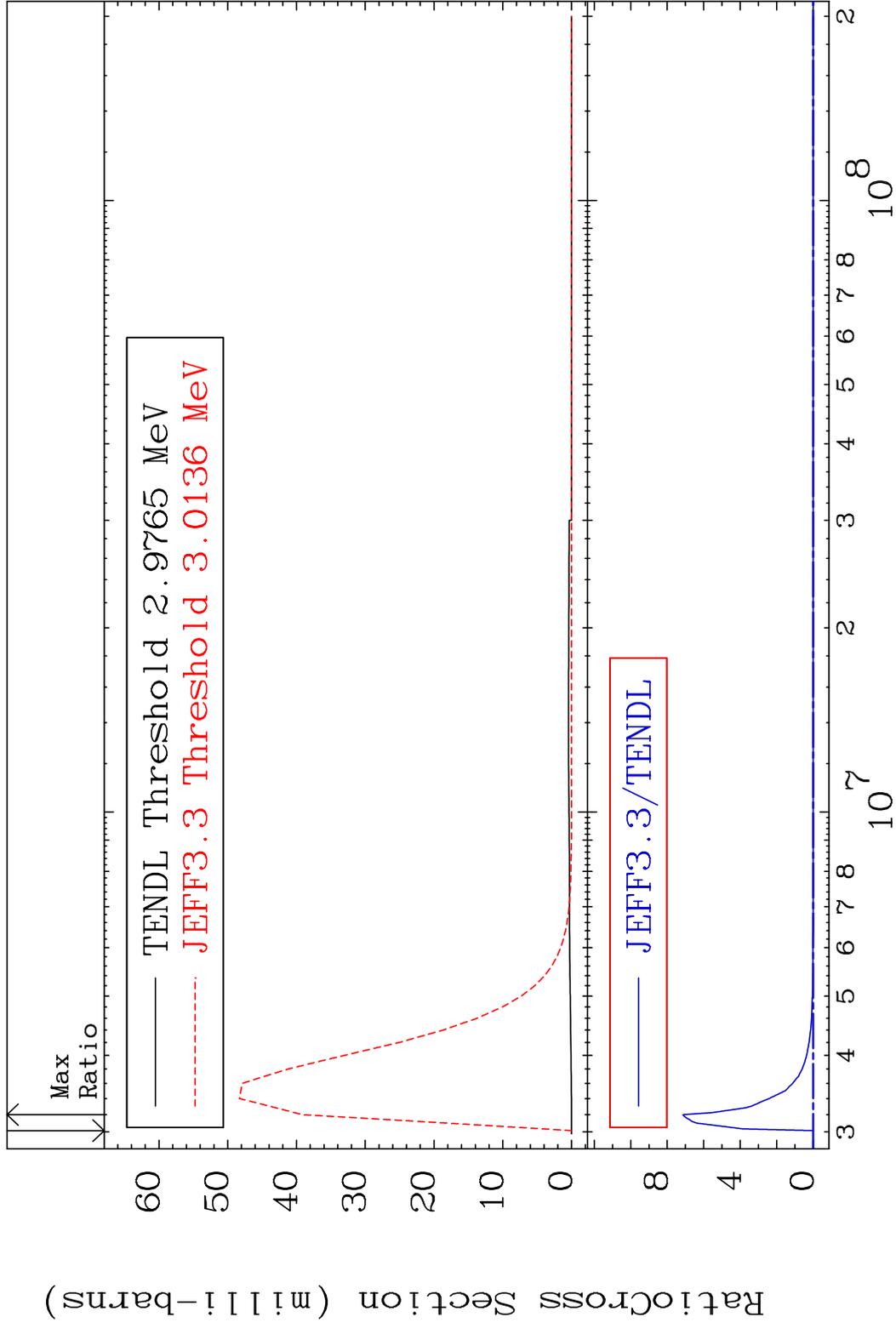
MAT 5825 MT= 73 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %



MAT 5825 MT= 74 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %

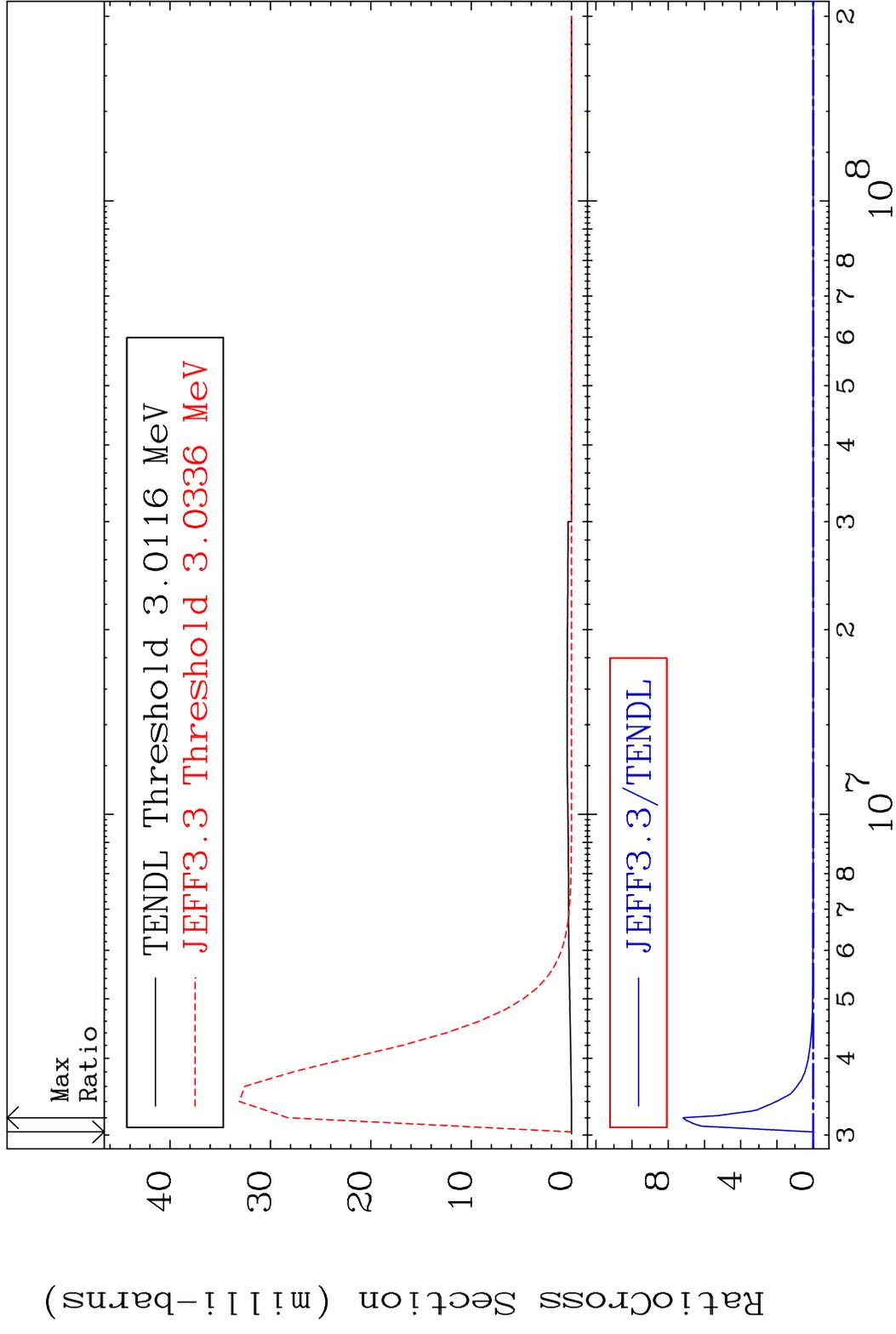


MAT 5825 MT= 75 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 9999. %

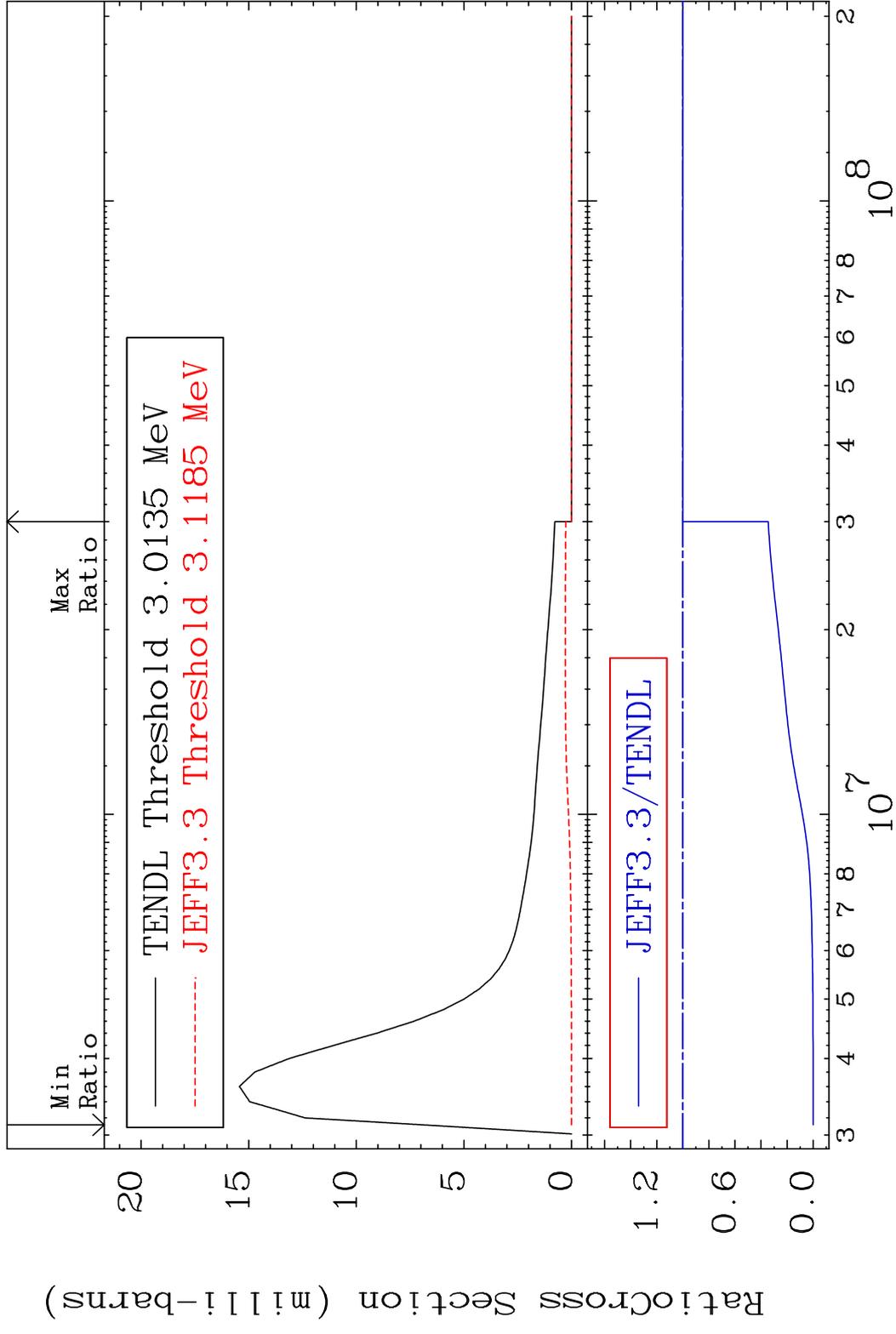


45 Incident Energy (eV) 58-Ce-136

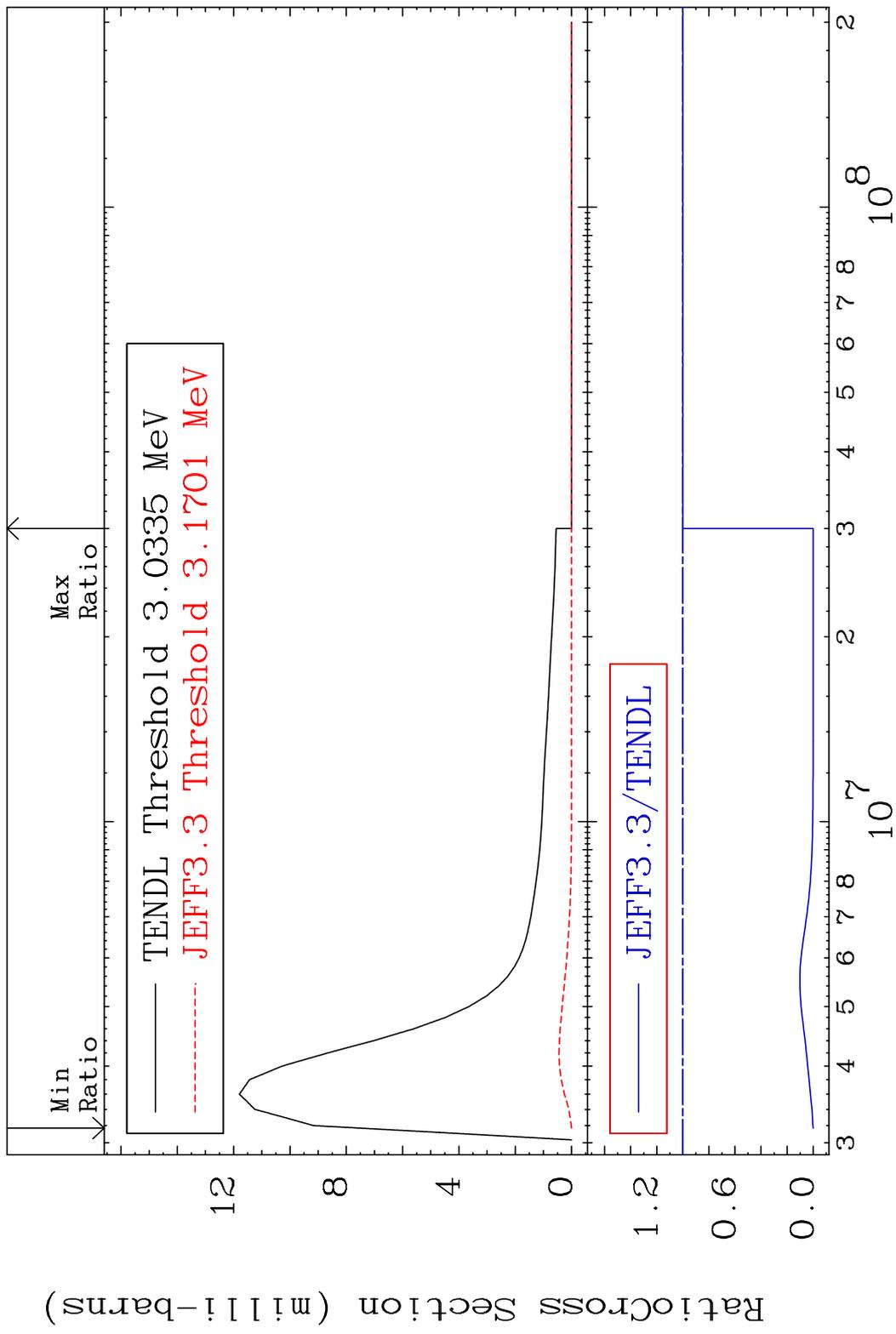
MAT 5825 MT= 76 (n,n') Level 58-Ce-136
 Cross Section -100.0 To 9999. %



MAT 5825 MT= 77 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %



MAT 5825 MT= 78 (n, n') Level 58-Ce-136
 Cross Section -100.0 To 0.000 %

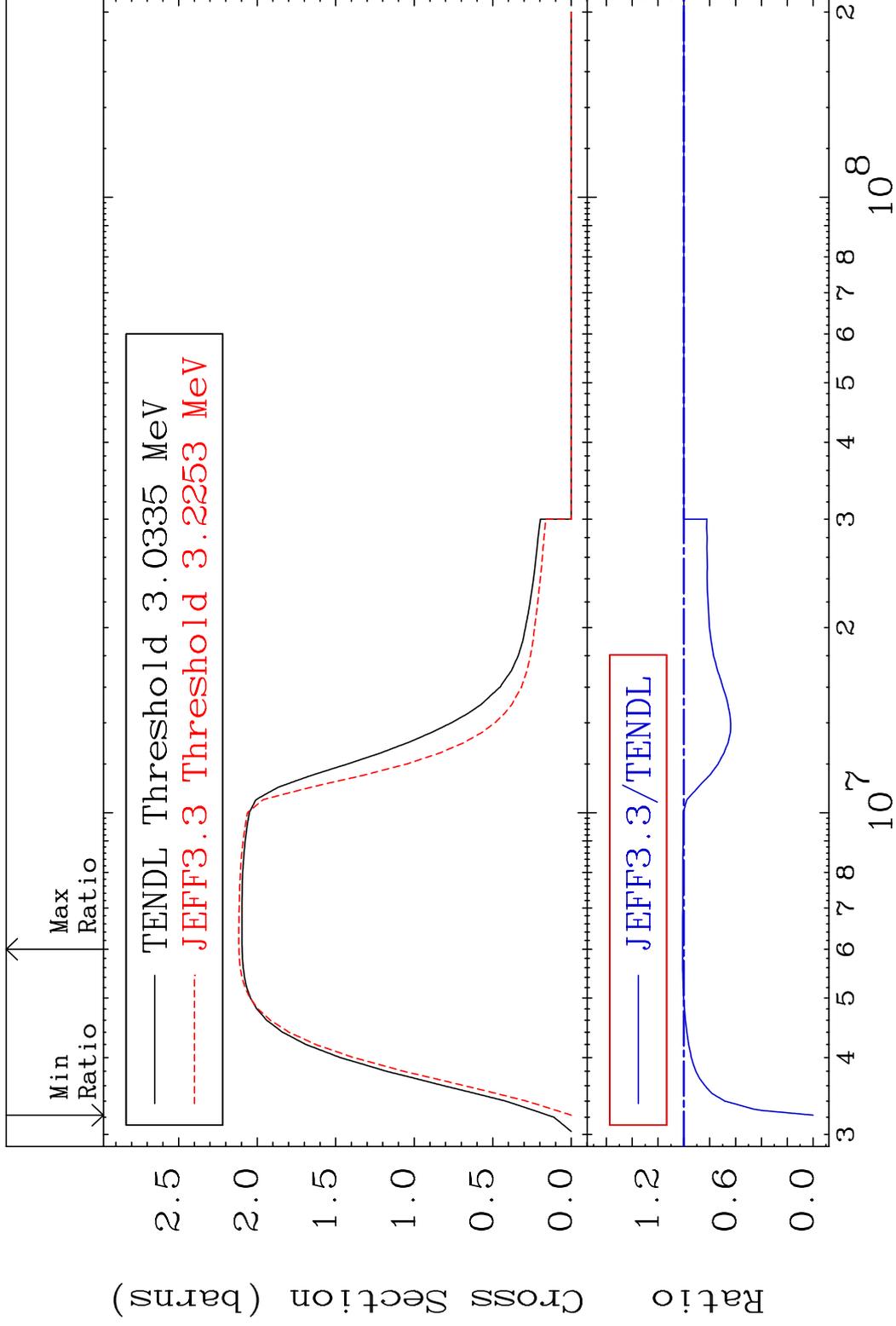


MAT 5825

(n, n') Continuum

58-Ce-136

Cross Section -100.0 To 0.978 %



49

Incident Energy (eV)

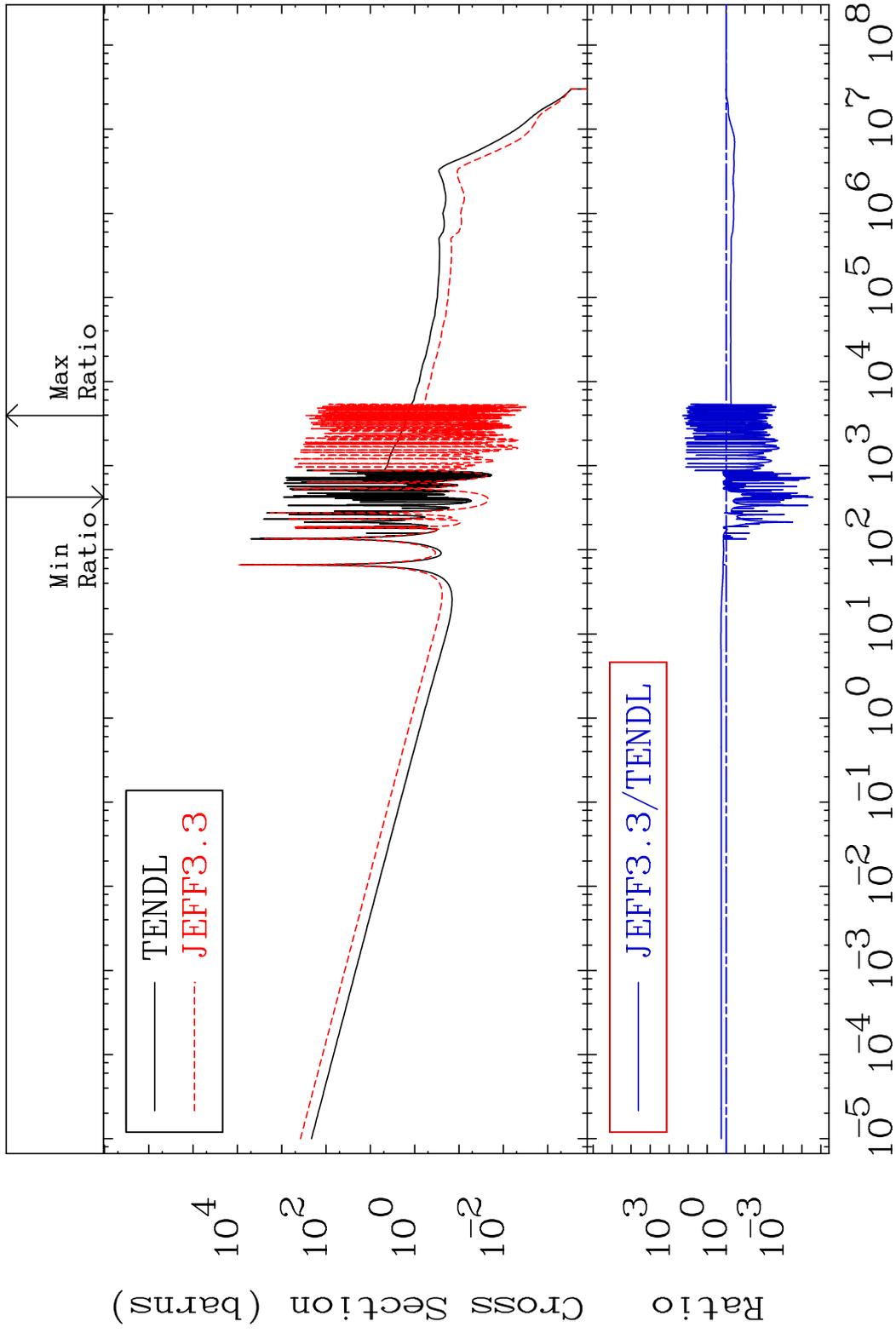
58-Ce-136

MAT 5825

(n, γ)

58-Ce-136

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

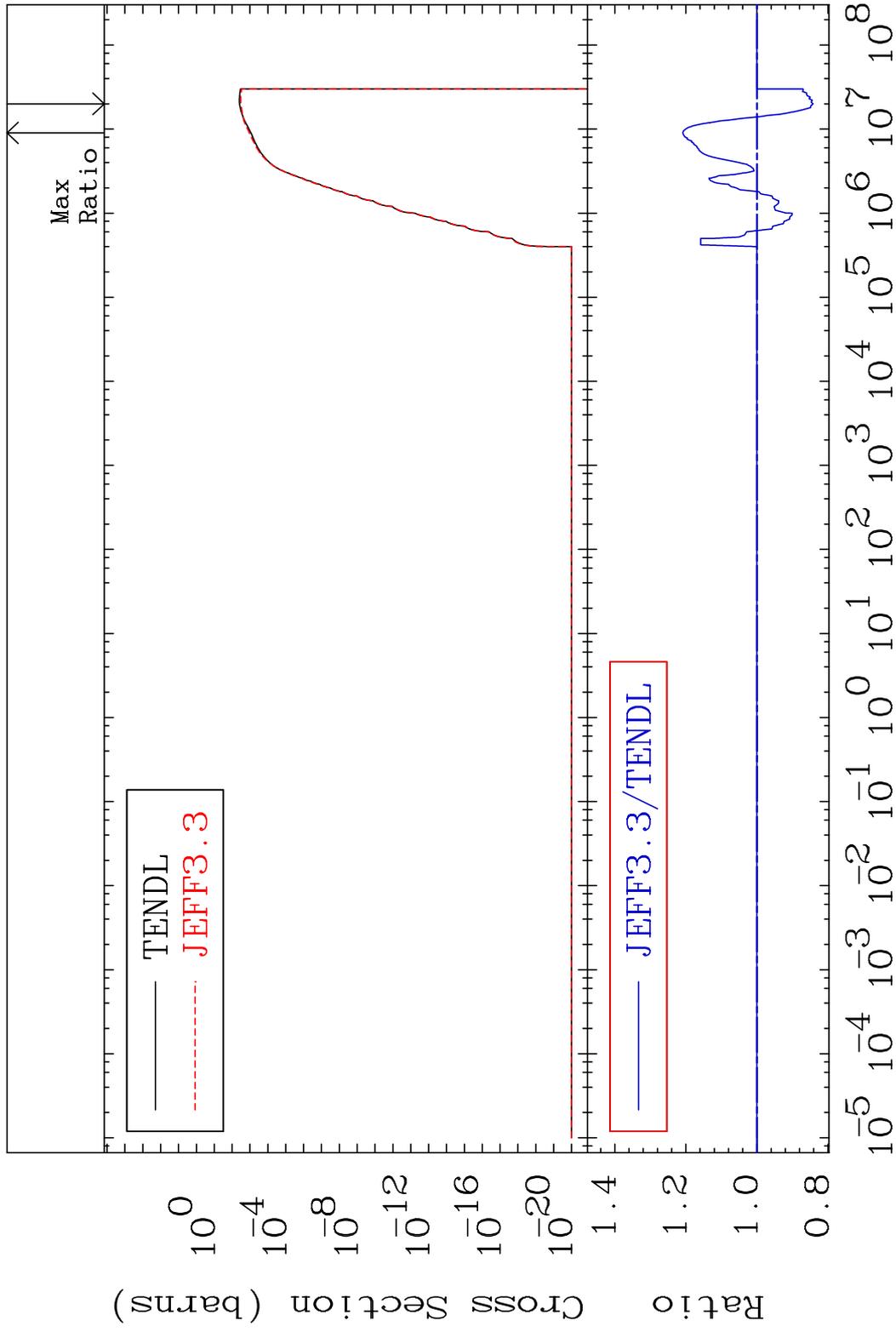
58-Ce-136

MAT 5825

(n, p)

58-Ce-136

Cross Section -15.83 To 20.86 %

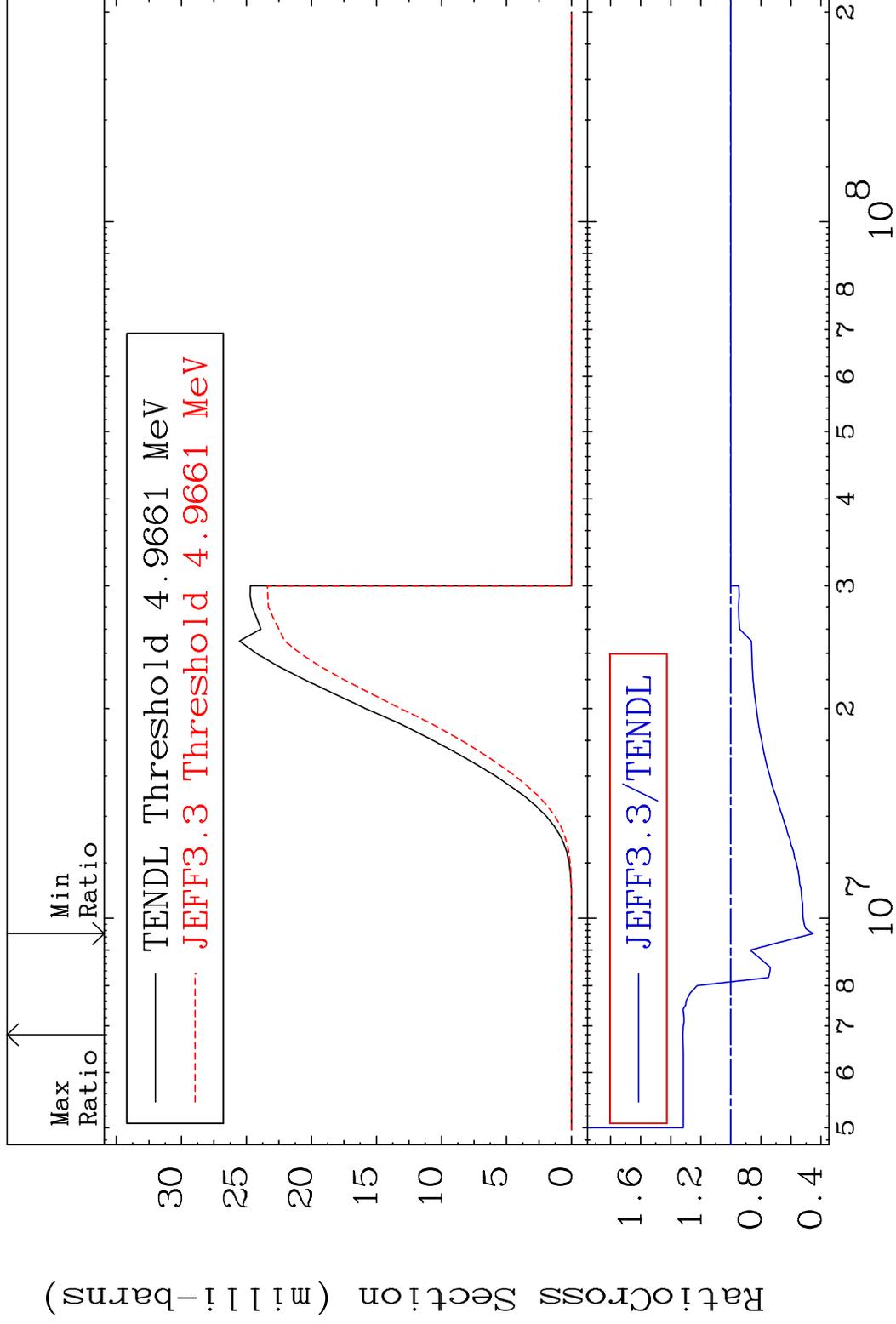


MAT 5825

(n,d)

58-Ce-136

Cross Section -54.74 To 31.95 %

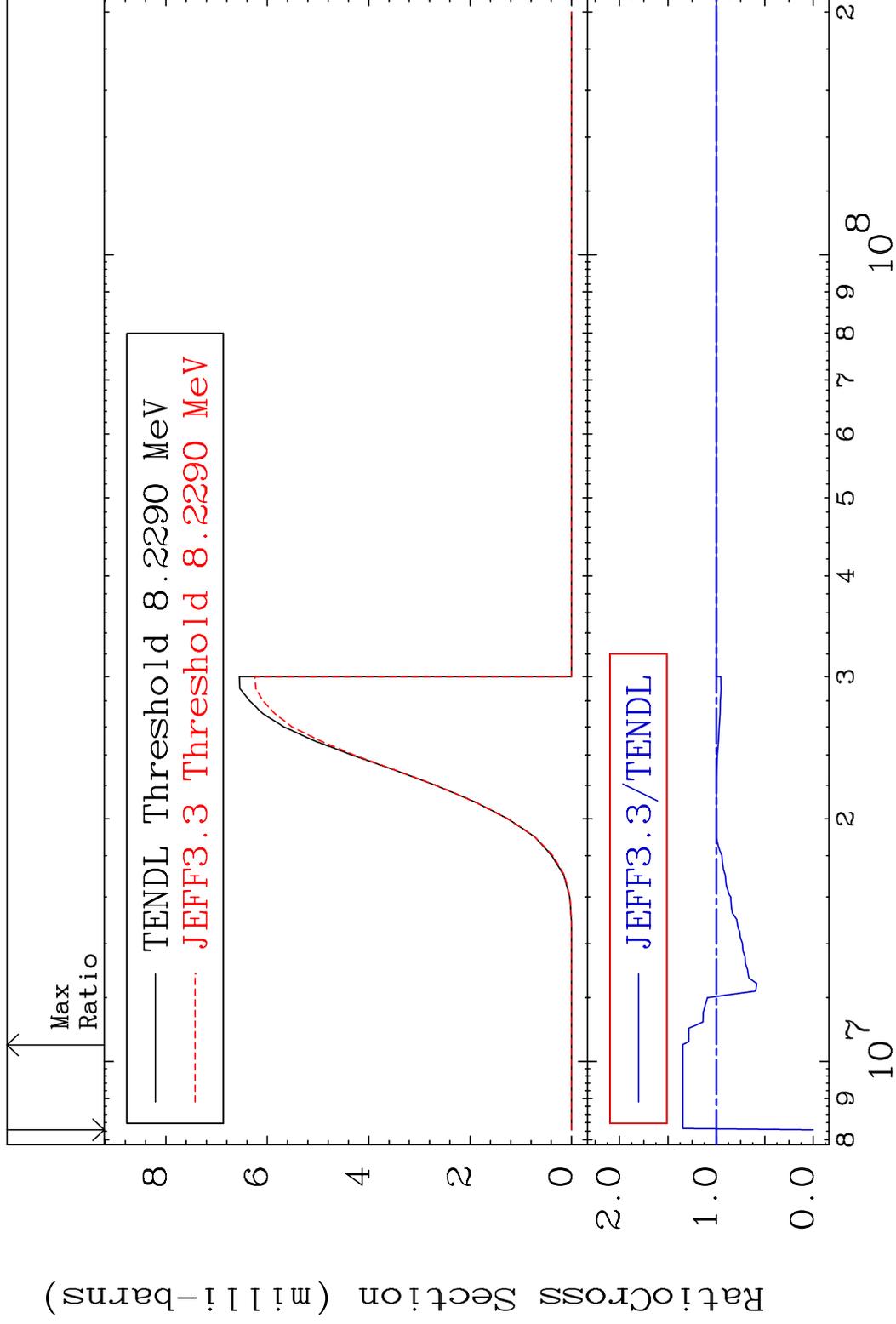


MAT 5825

(n, t)

58-Ce-136

Cross Section -100.0 To 34.61 %



53

Incident Energy (eV)

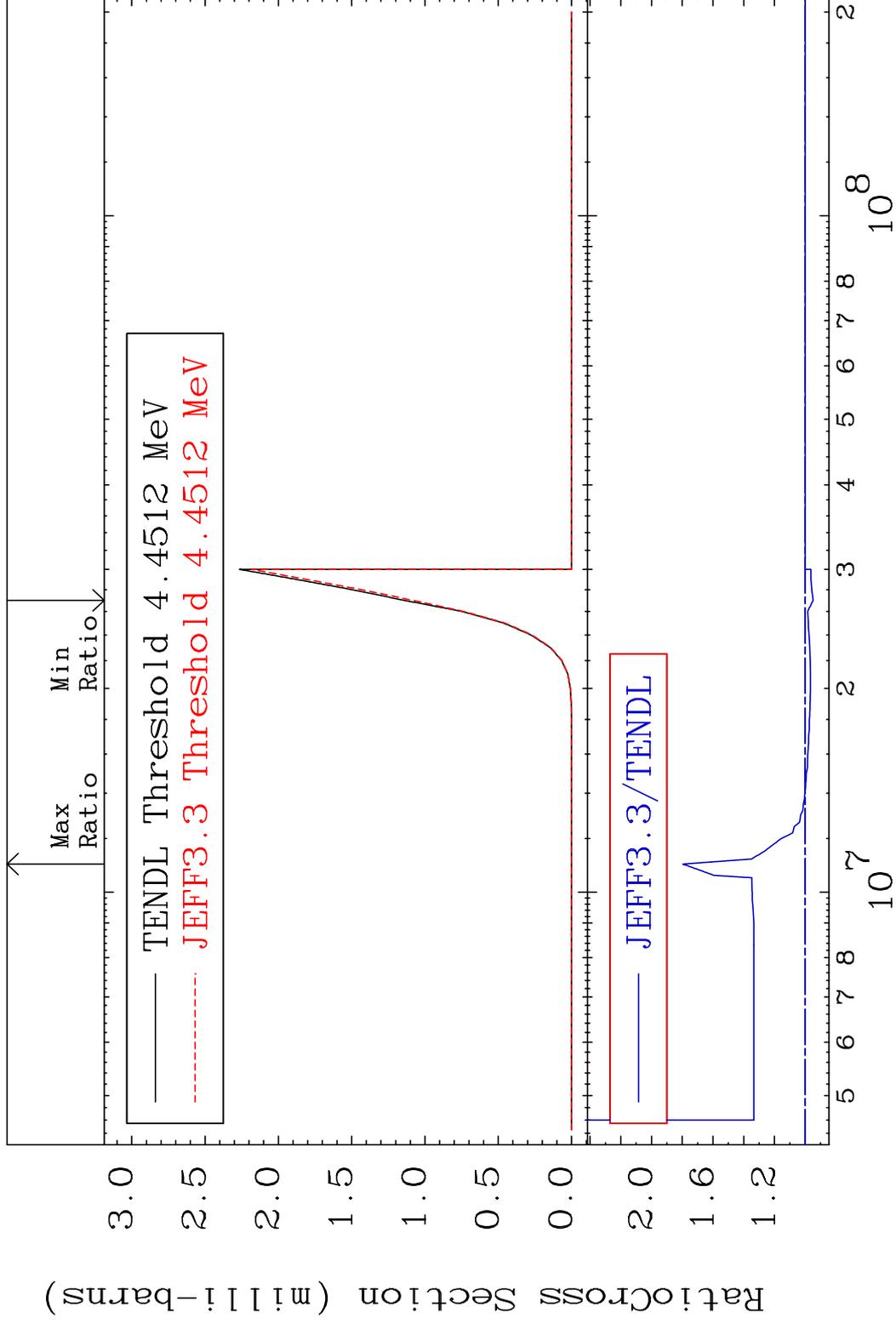
58-Ce-136

MAT 5825

(n, He-3)

58-Ce-136

Cross Section -5.158 To 79.62 %



54

Incident Energy (eV)

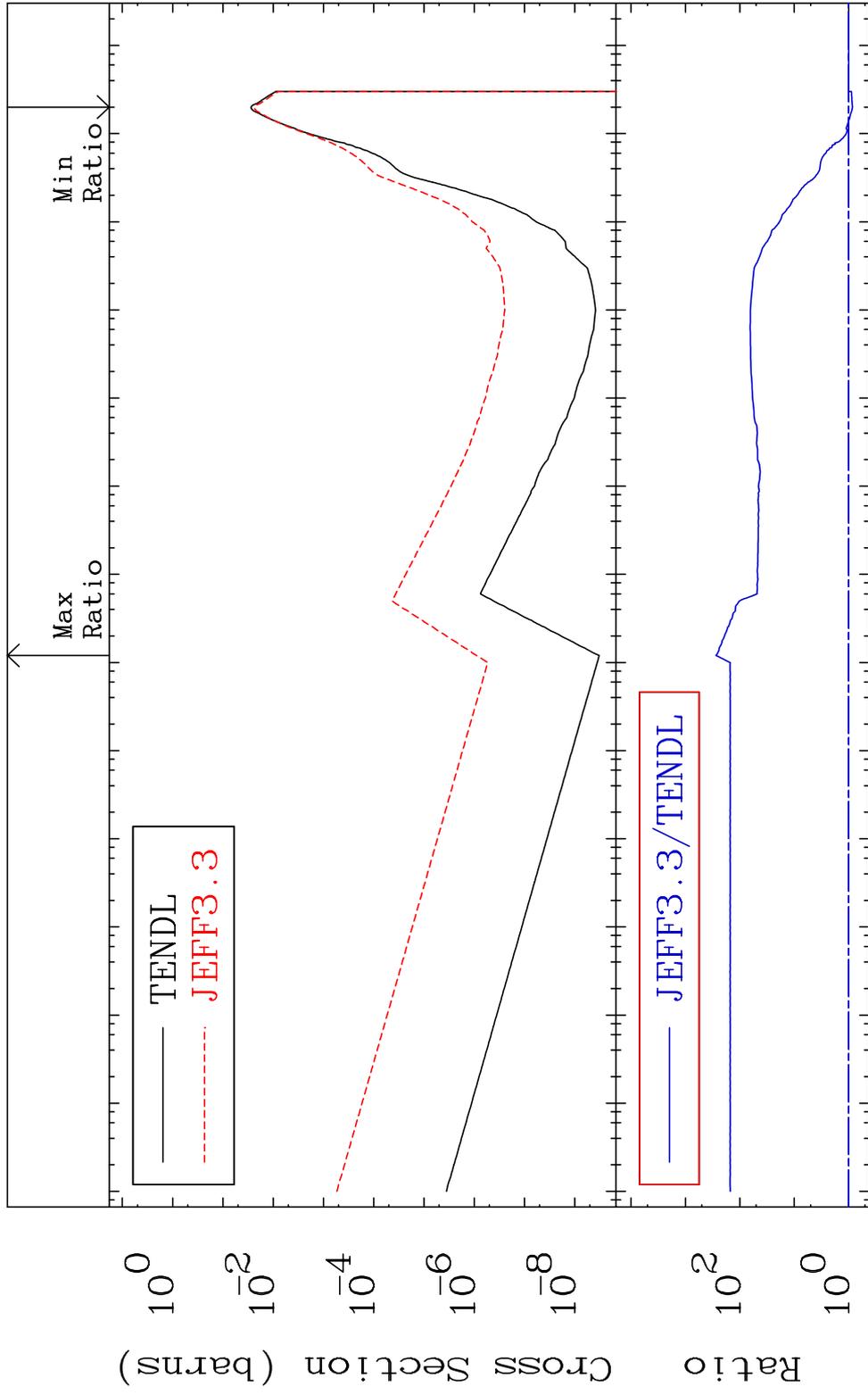
58-Ce-136

MAT 5825

(n, α)

58-Ce-136

Cross Section -15.10 To 9999. %



55

Incident Energy (eV)

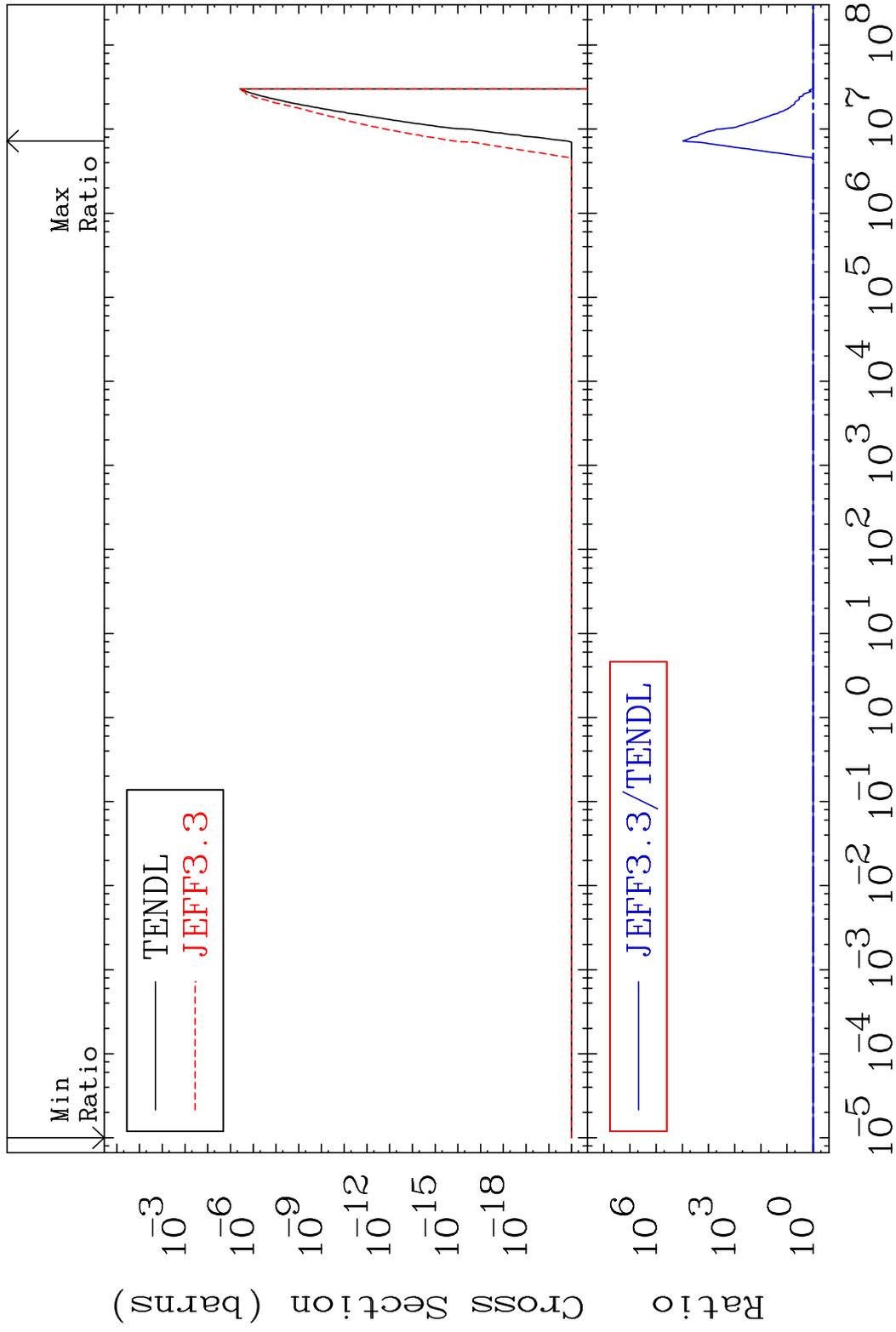
58-Ce-136

MAT 5825

(n,2α)

58-Ce-136

Cross Section 0.000 To 9999. %

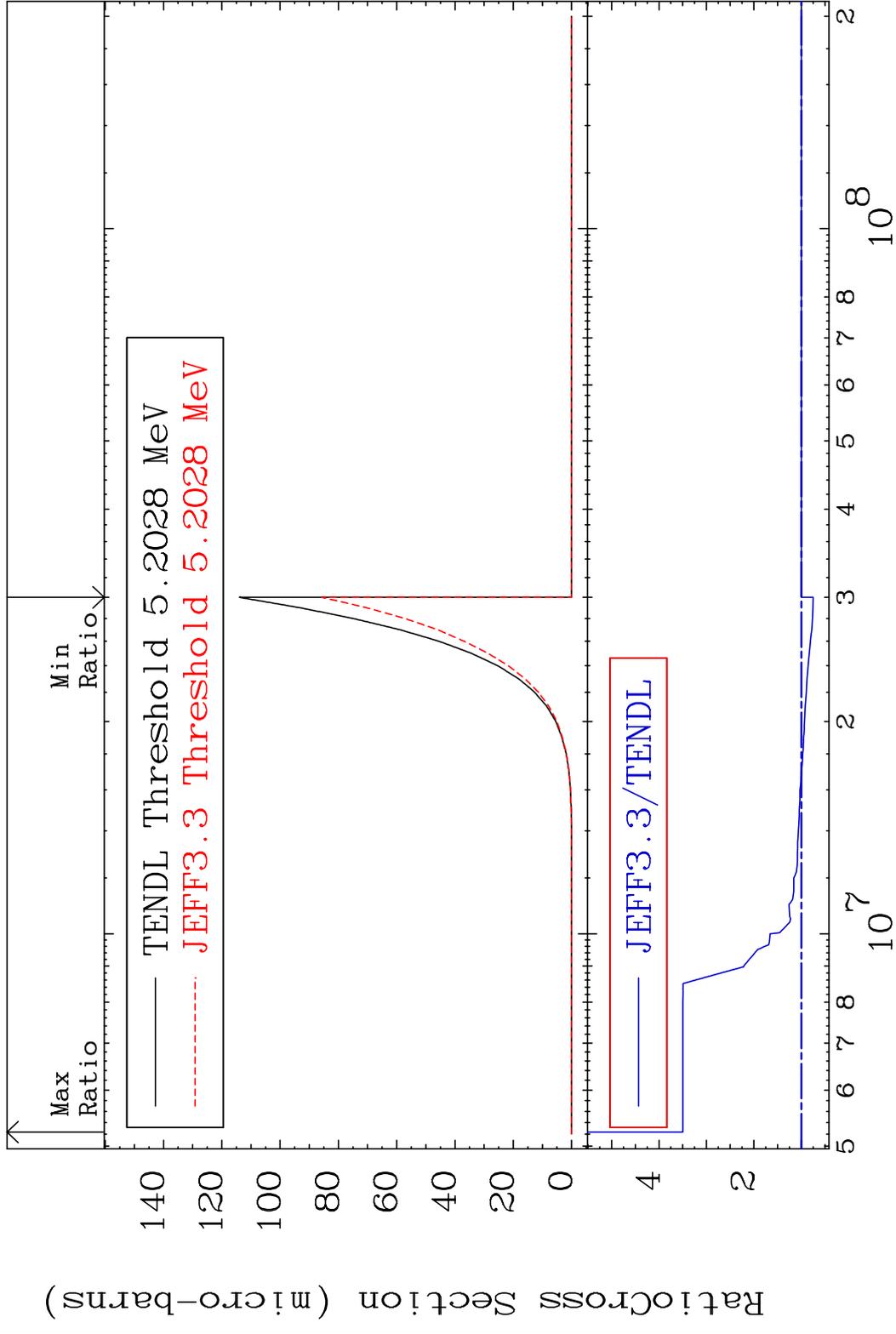


56

Incident Energy (eV)

58-Ce-136

MAT 5825 (n,2p) 58-Ce-136
 Cross Section -24.90 To 249.8 %

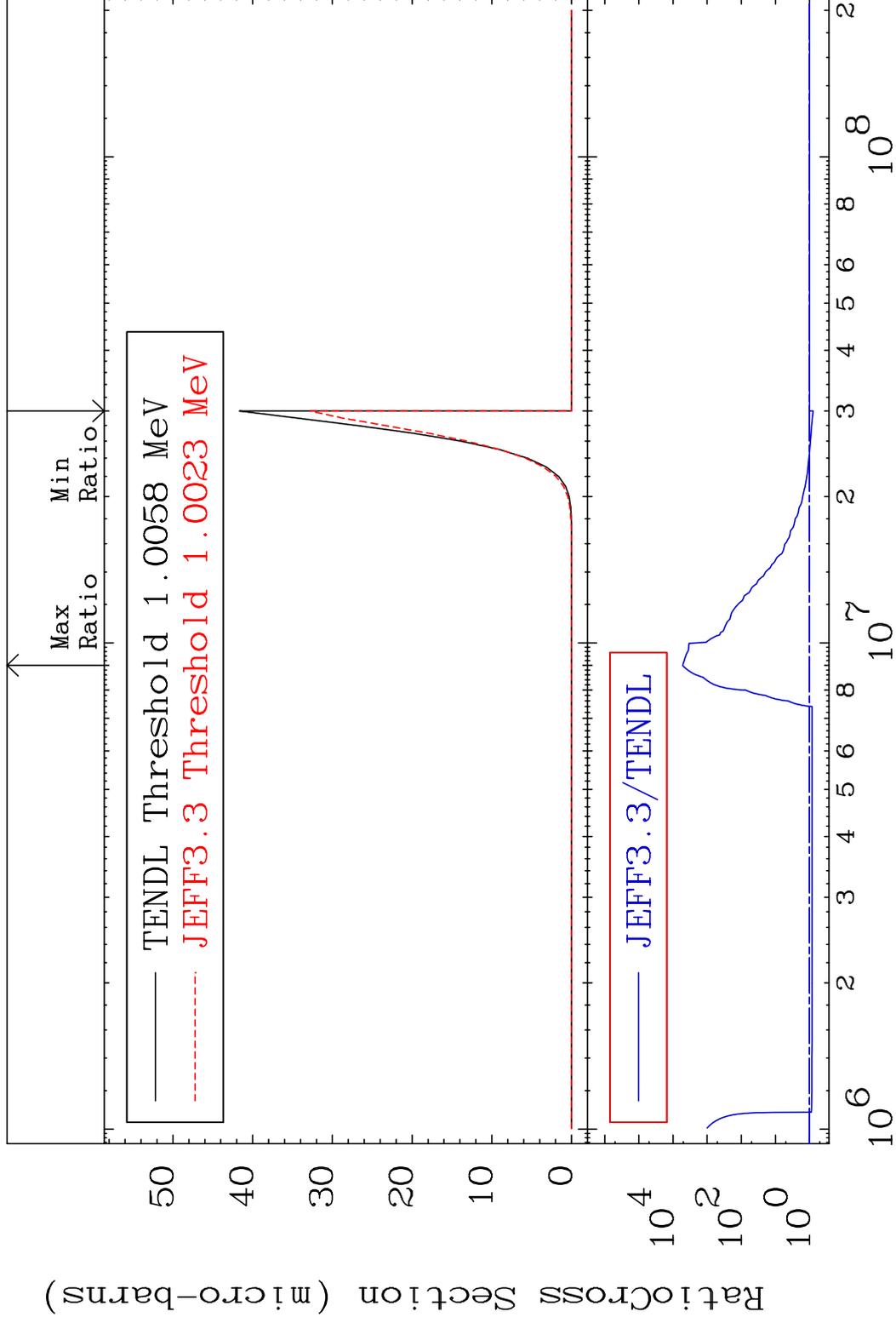


MAT 5825

(n,p) α

58-Ce-136

Cross Section -21.30 To 9999. %



58

Incident Energy (eV)

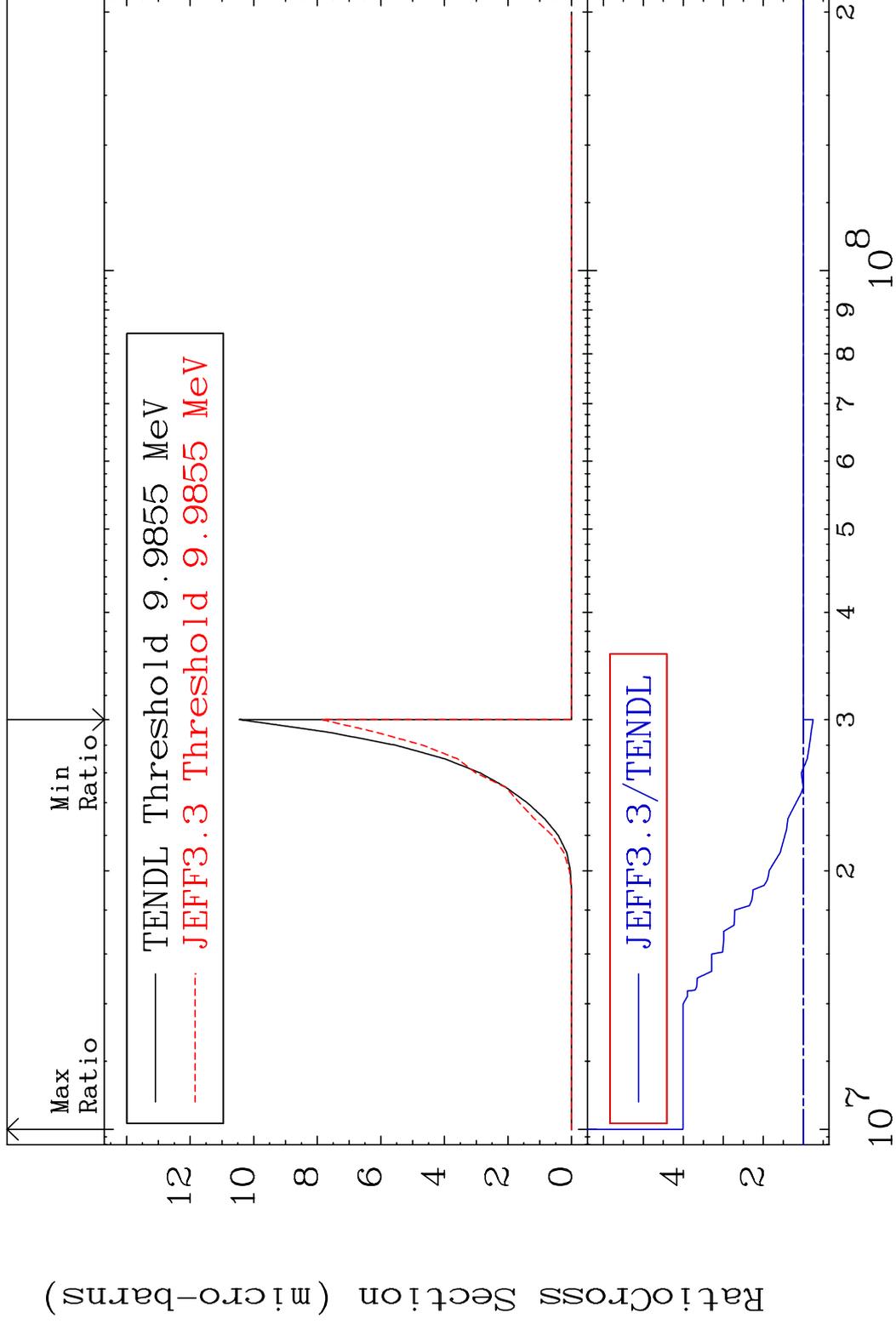
58-Ce-136

MAT 5825

(n,p) d

58-Ce-136

Cross Section -24.67 To 301.2 %



59

Incident Energy (eV)

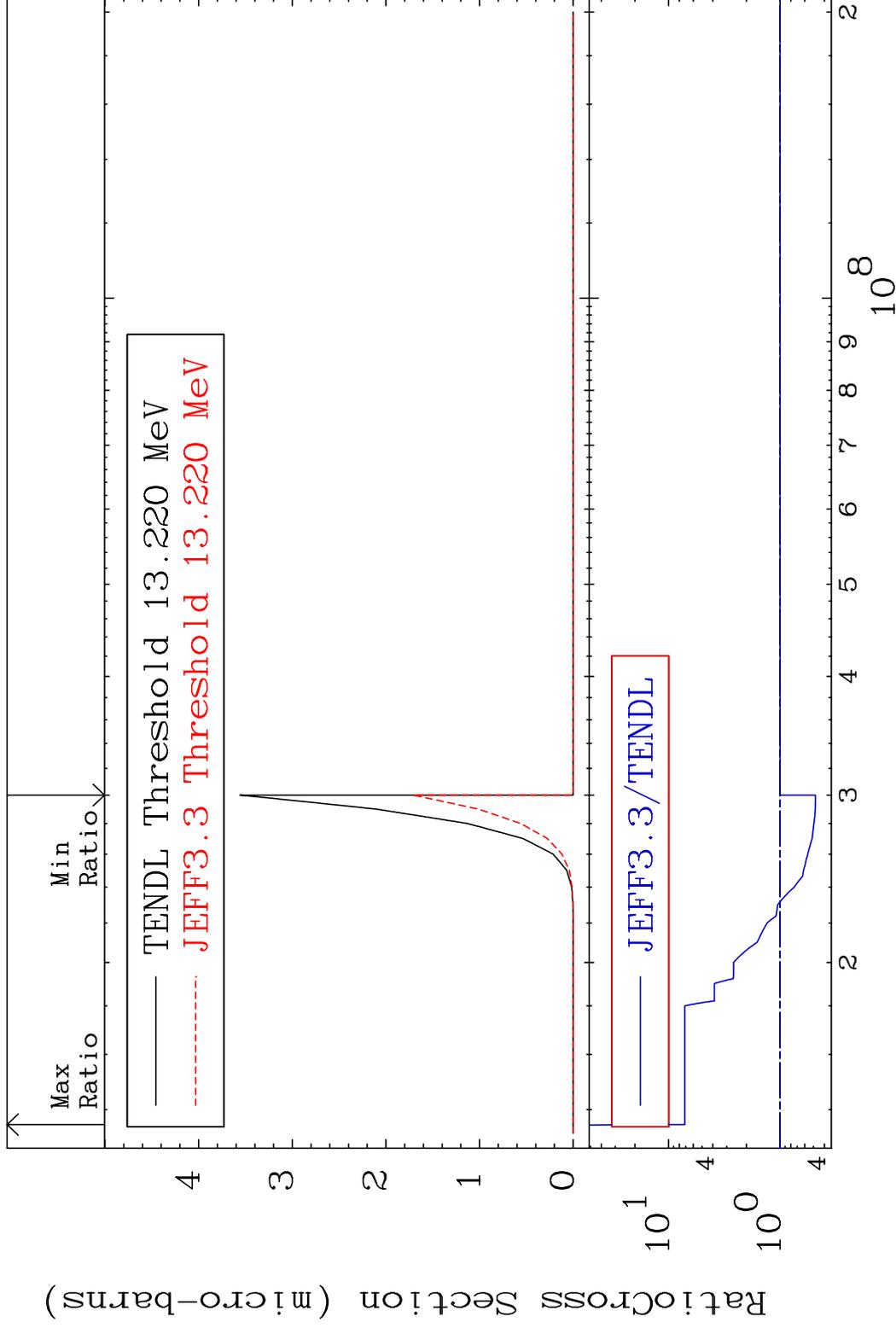
58-Ce-136

MAT 5825

(n,p) t

58-Ce-136

Cross Section -51.94 To 614.0 %

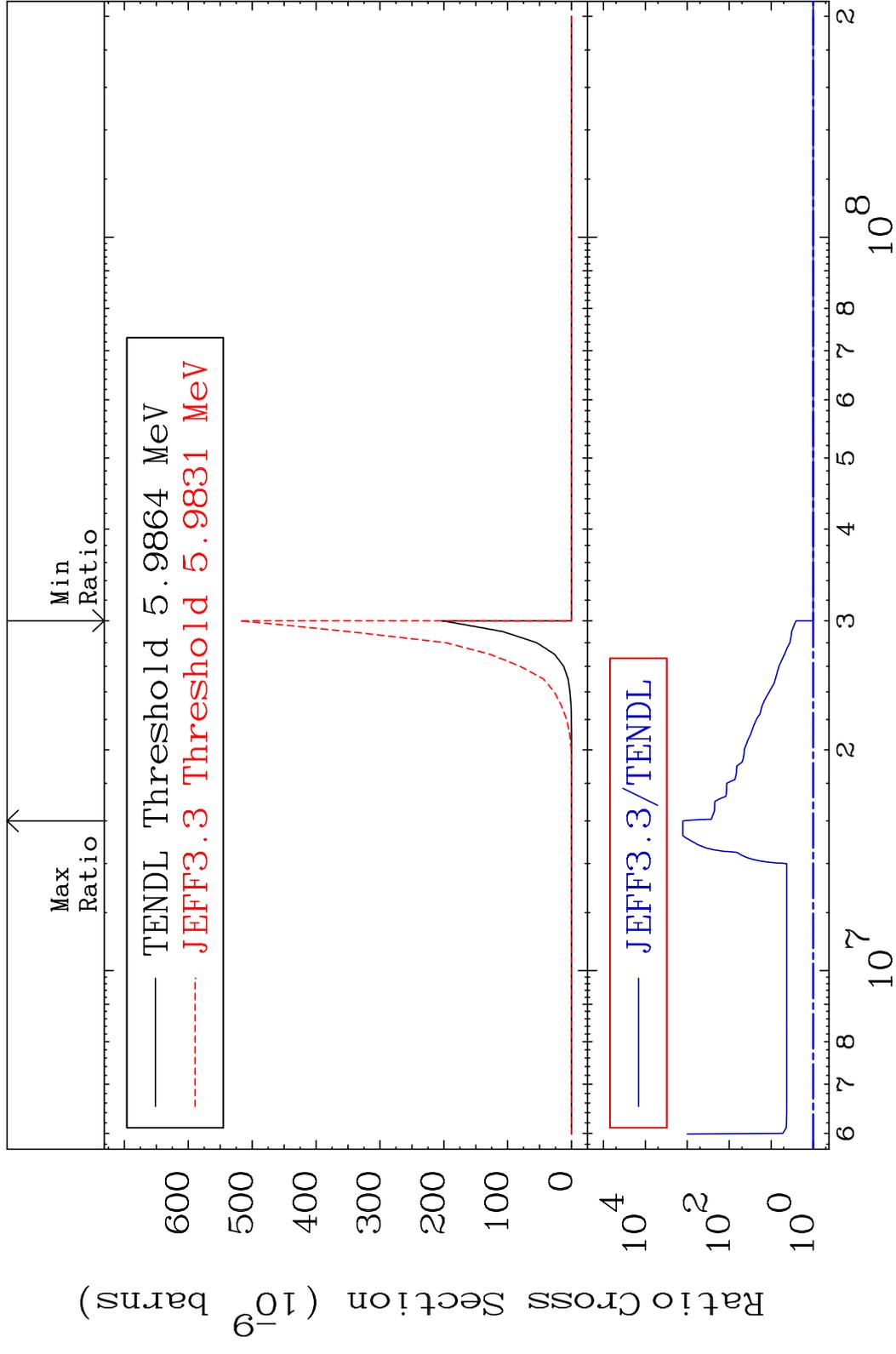


60

Incident Energy (eV)

58-Ce-136

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

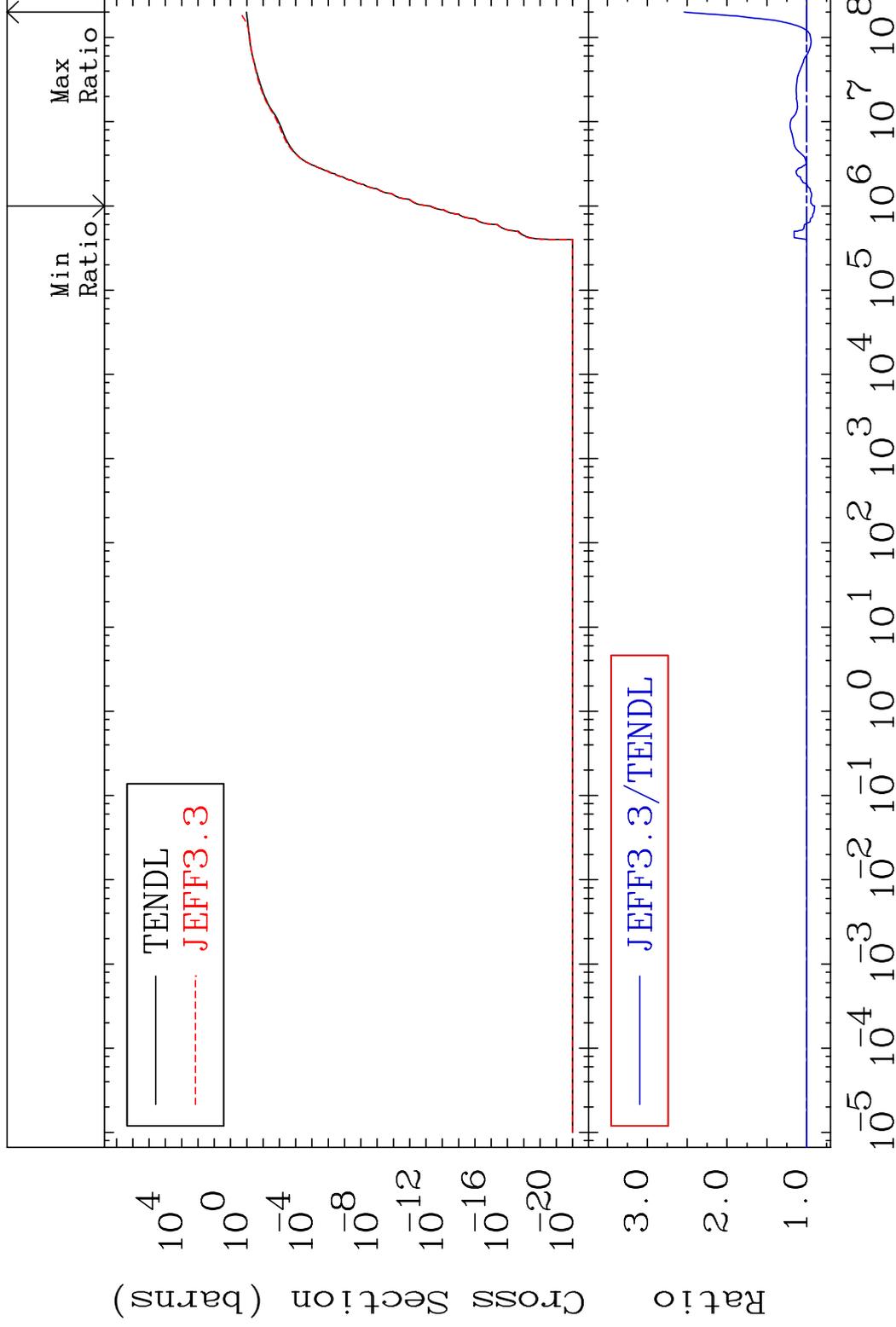


MAT 5825

Hydrogen Production

58-Ce-136

Cross Section -9.931 To 153.8 %



62

Incident Energy (eV)

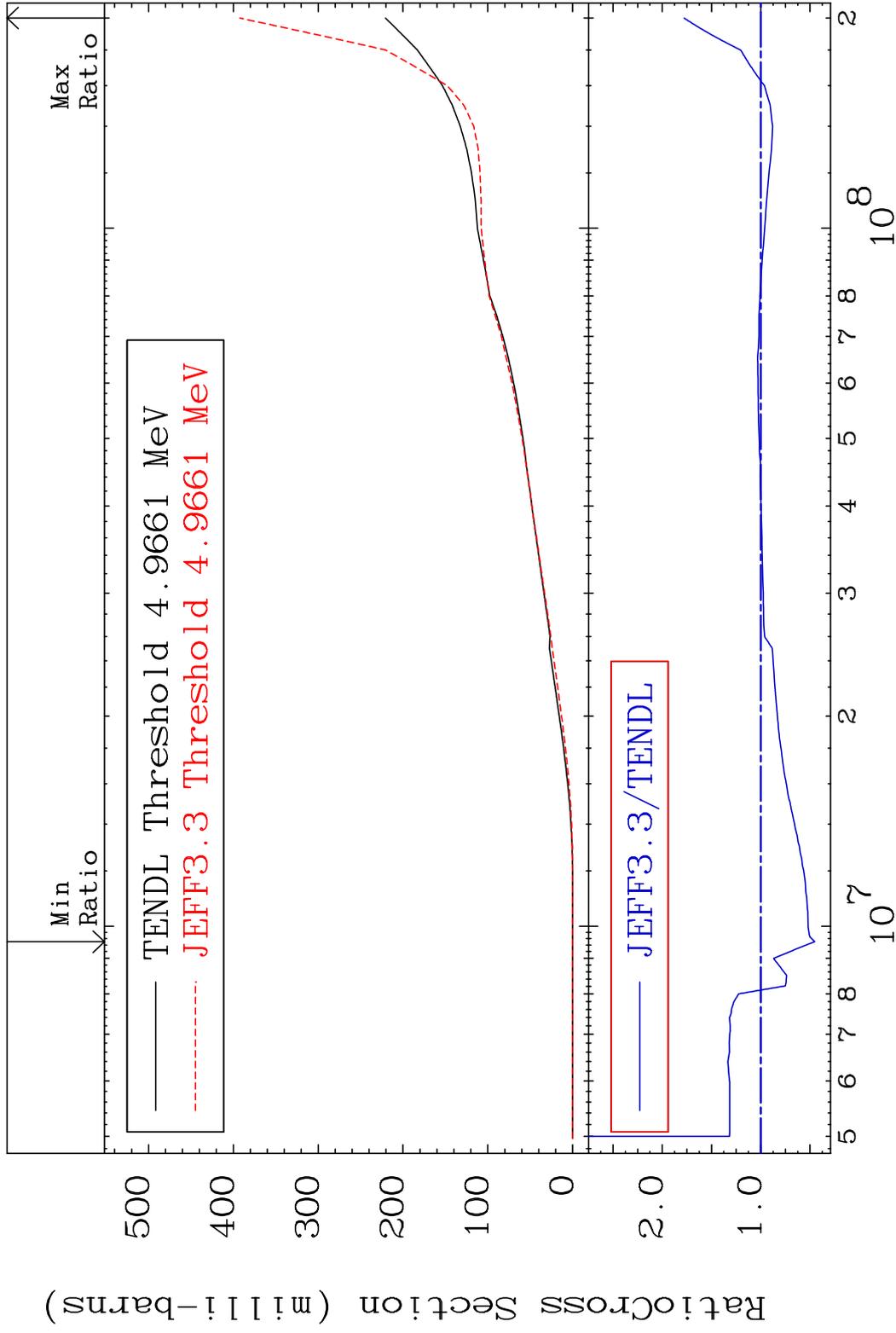
58-Ce-136

MAT 5825

Deuterium Production

58-Ce-136

Cross Section -54.74 To 77.80 %

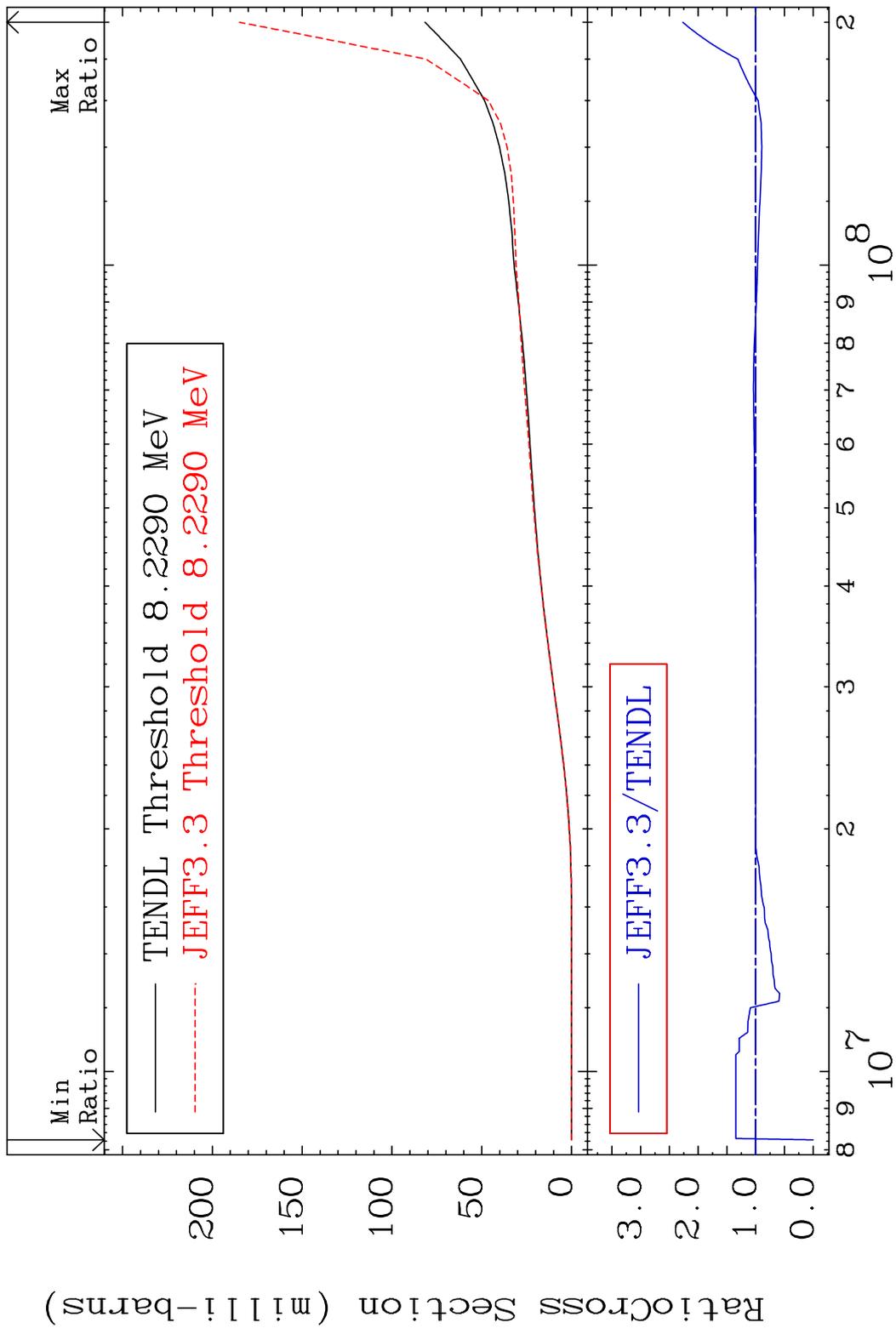


63

Incident Energy (eV)

58-Ce-136

MAT 5825 Tritium Production 58-Ce-136
 Cross Section -100.0 To 126.7 %

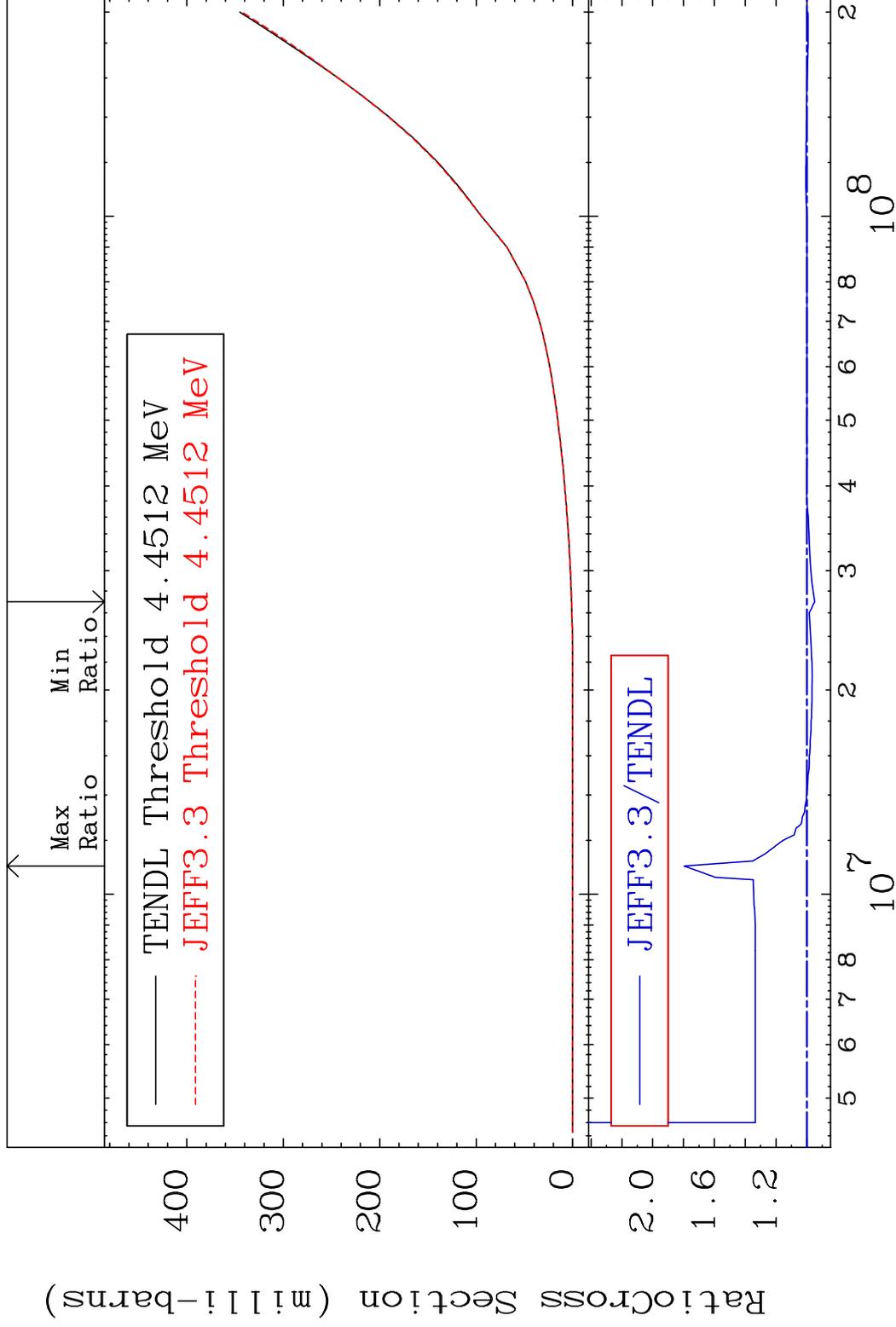


MAT 5825

He-3 Production

58-Ce-136

Cross Section -5.049 To 79.62 %



65

Incident Energy (eV)

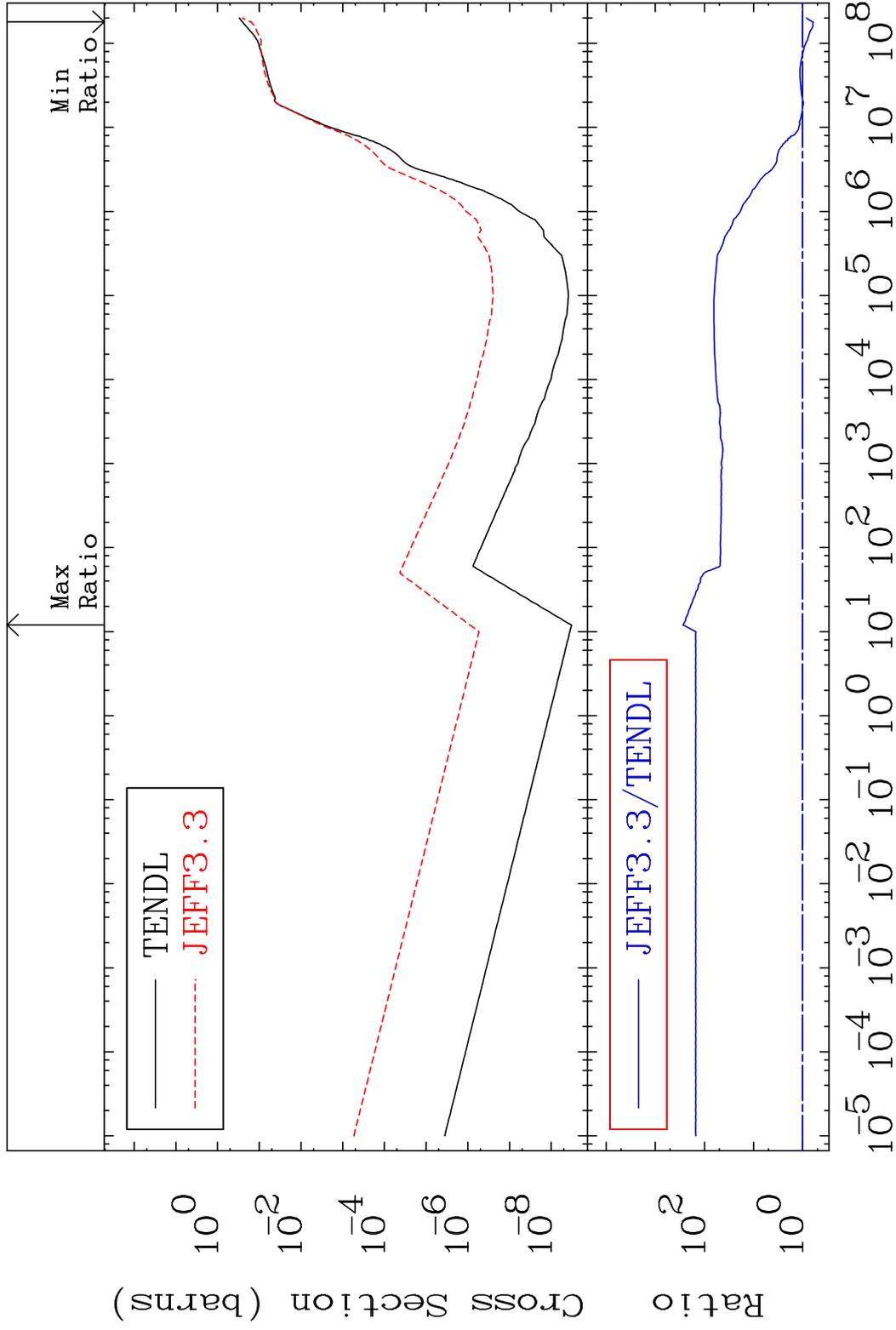
58-Ce-136

MAT 5825

He-4 Production

58-Ce-136

Cross Section -38.47 To 9999. %

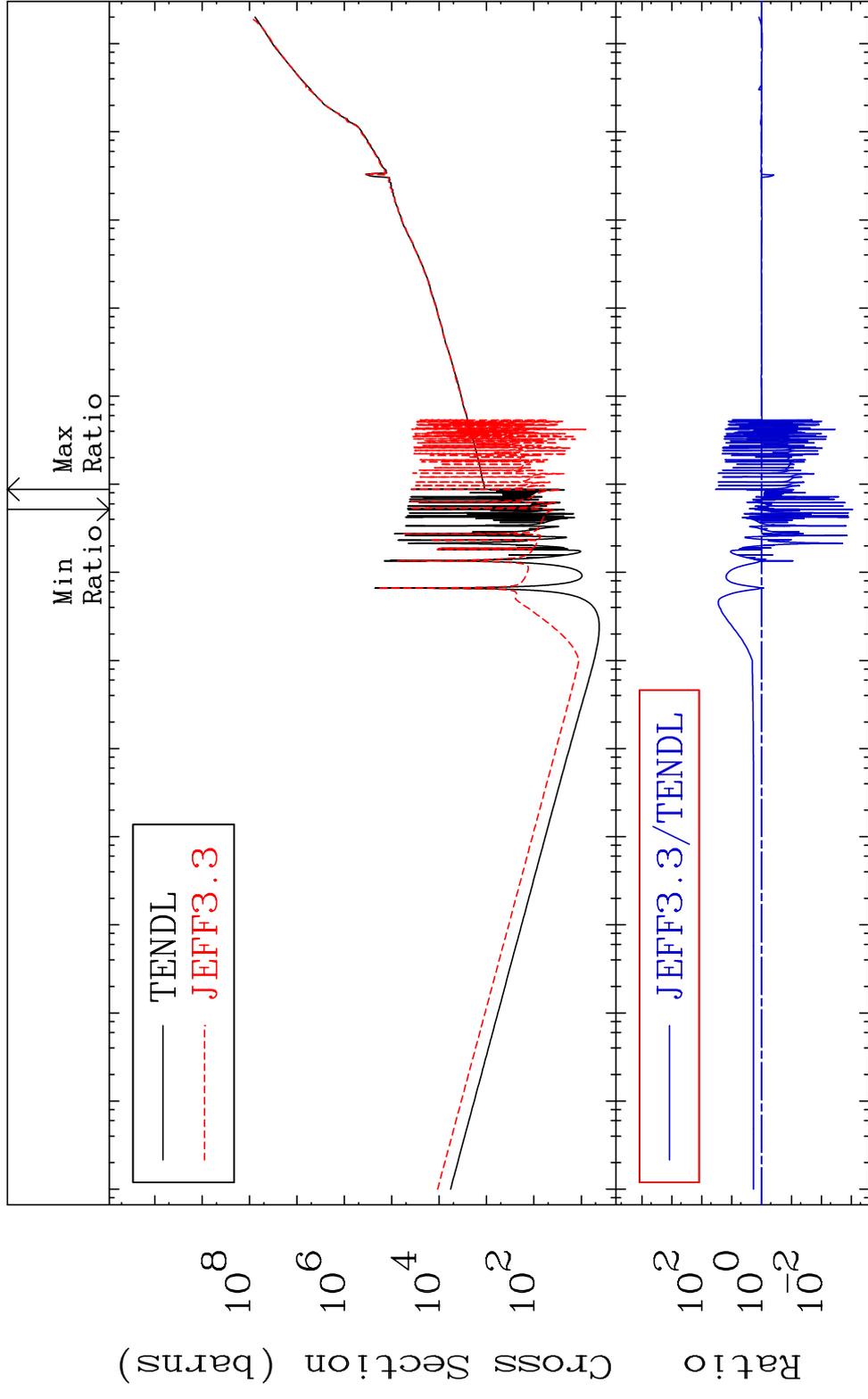


66

Incident Energy (eV)

58-Ce-136

MAT 5825 Kerma total (eV-barns) 58-Ce-136
 Cross Section -99.91 To 3297. %

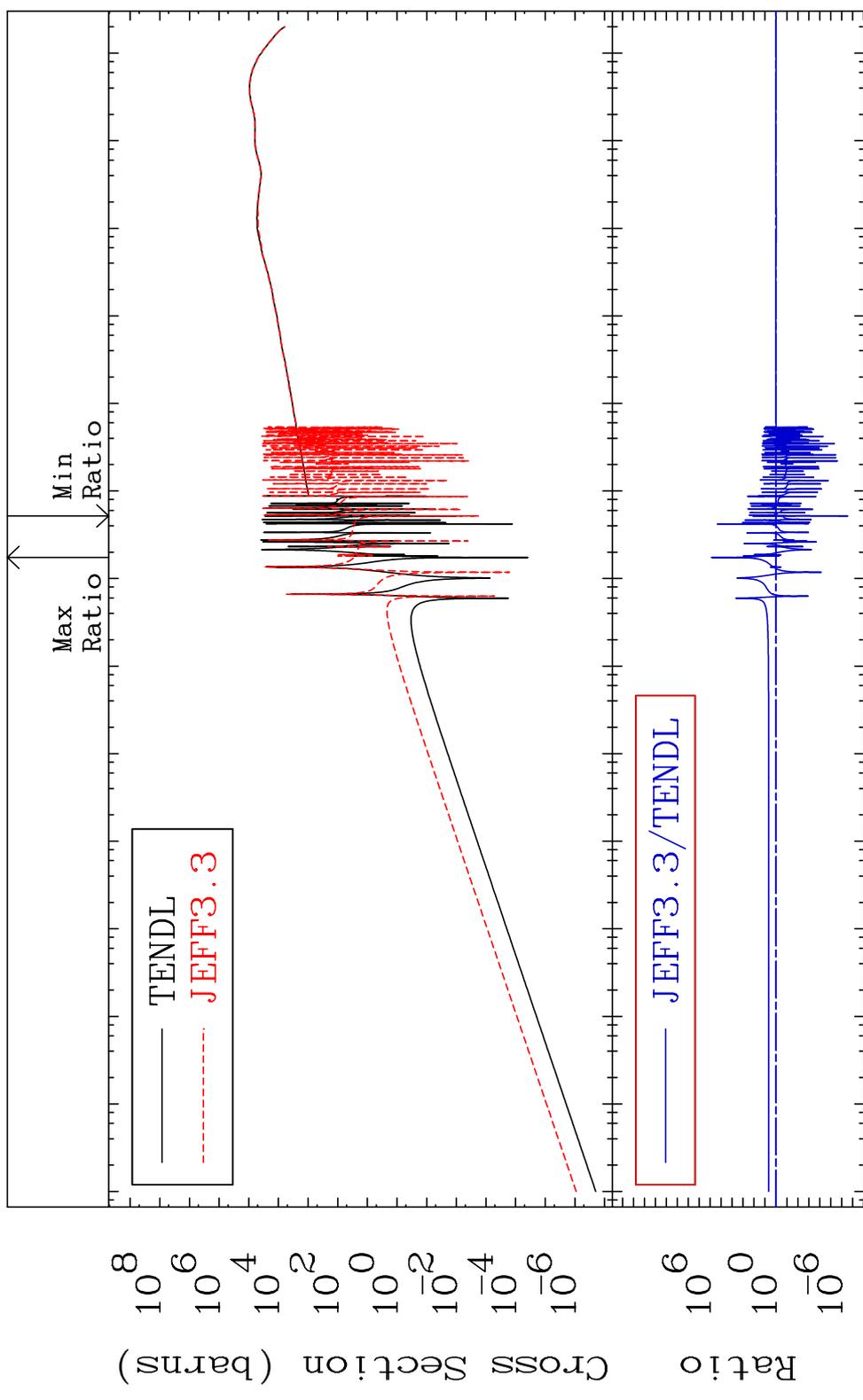


67 Incident Energy (eV) 58-Ce-136

MAT 5825

Kerma elastic
Cross Section -100.0 To 9999. %

58-Ce-136

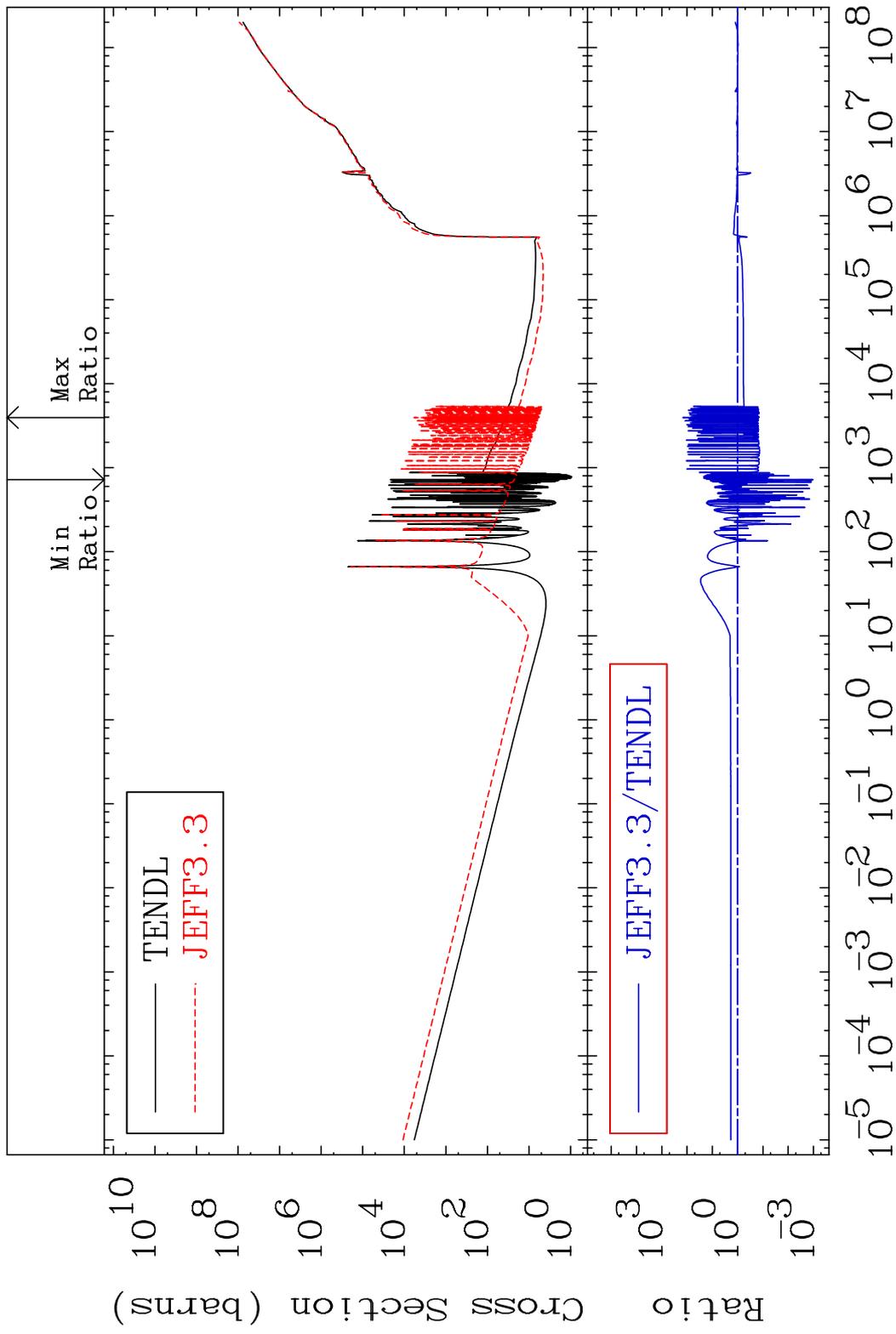


68

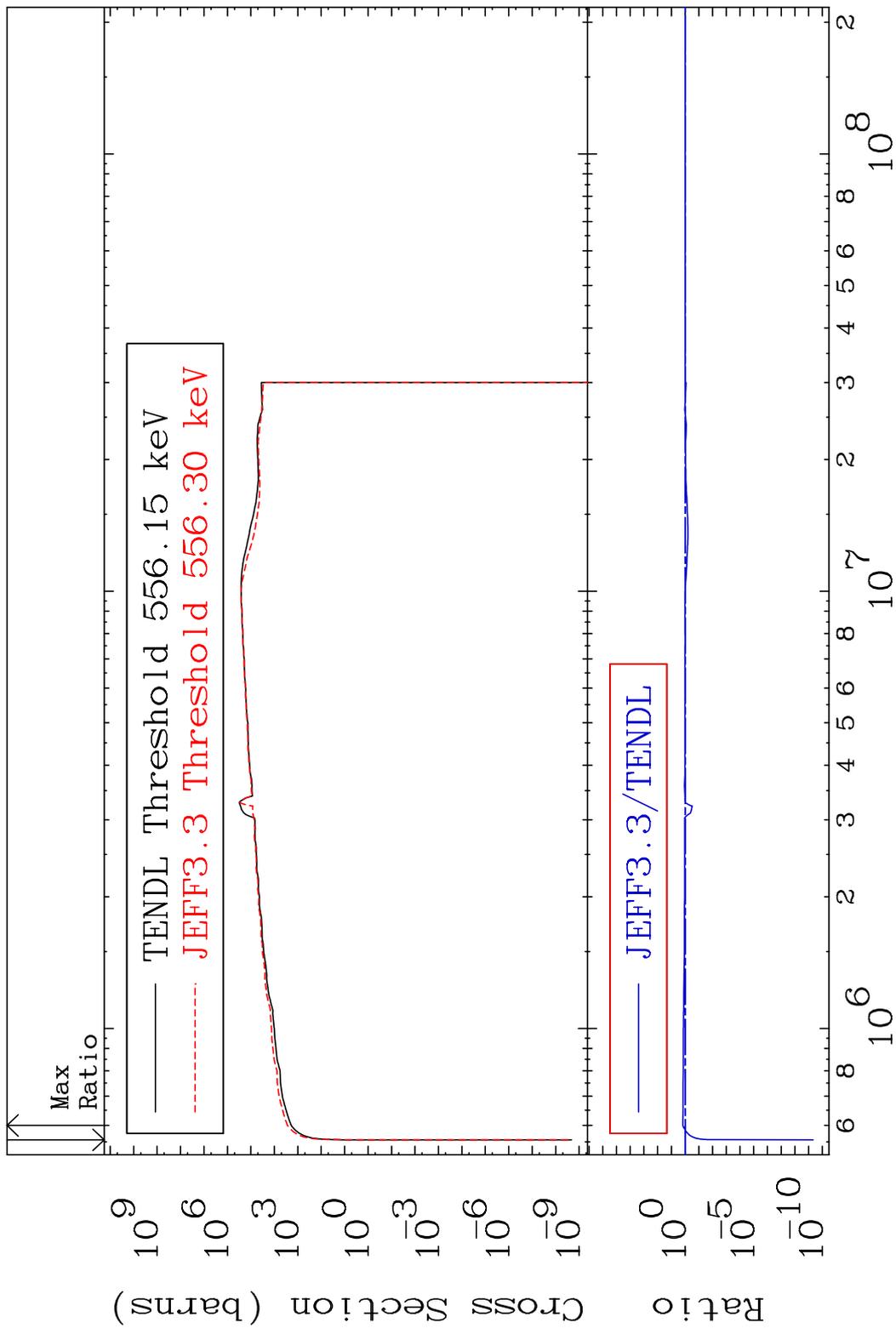
Incident Energy (eV)

58-Ce-136

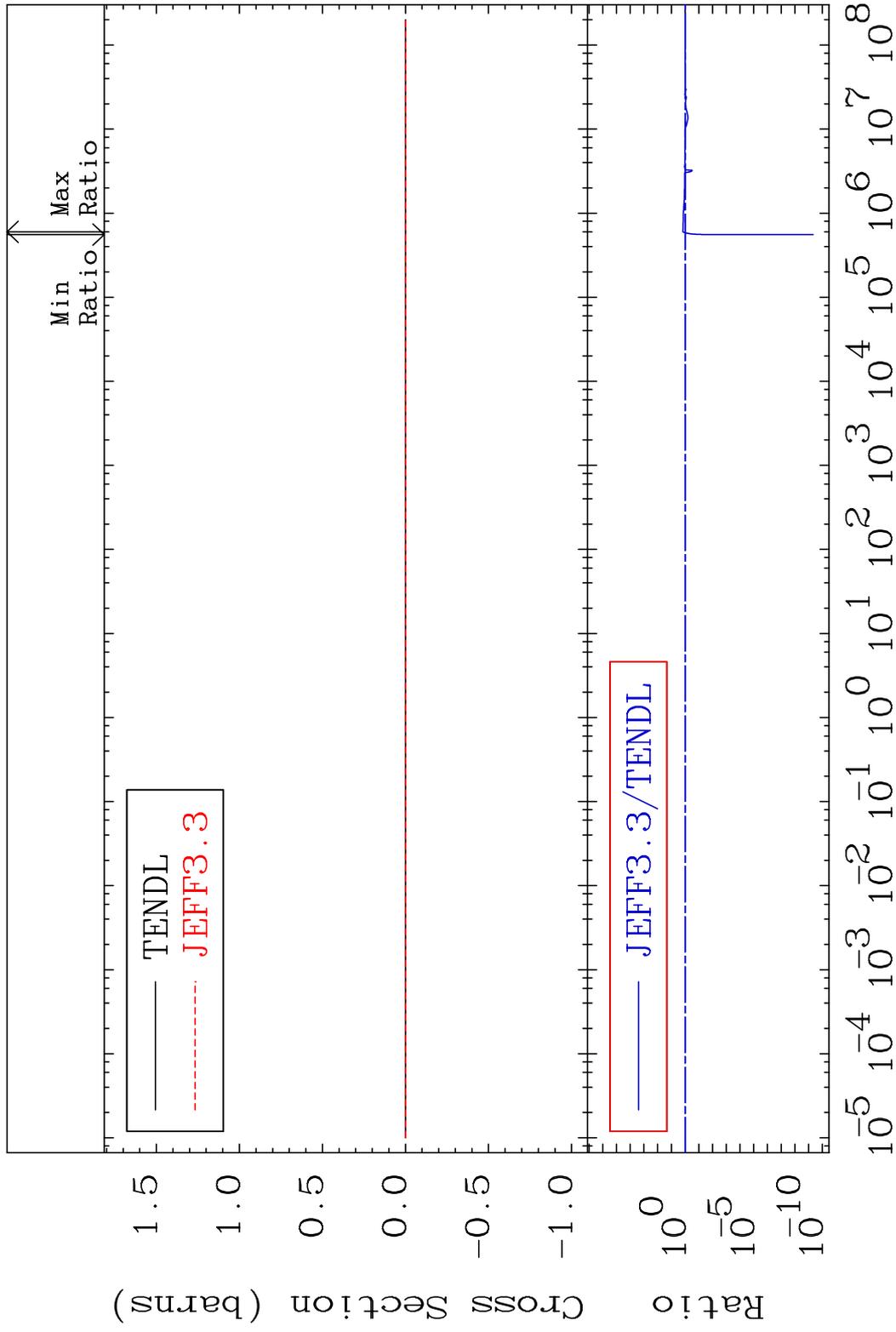
MAT 5825 Kerma non-elastic (all but mt2) 58-Ce-136
 Cross Section -99.90 To 9999. %



MAT 5825 Kerma inelastic (mt51-91) 58-Ce-136
 Cross Section -100.0 To 45.53 %



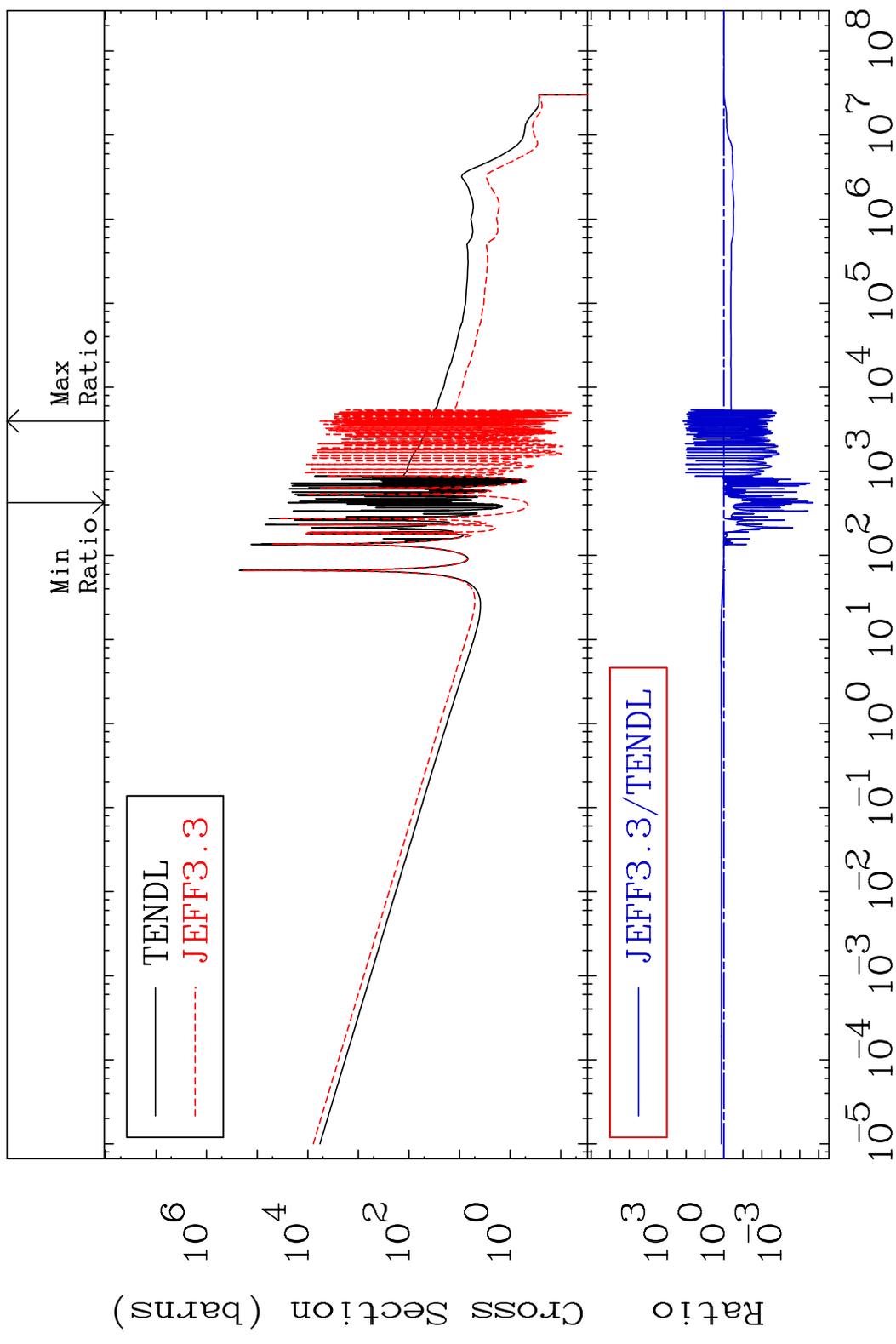
MAT 5825 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-136
 Cross Section -100.0 To 45.53 %



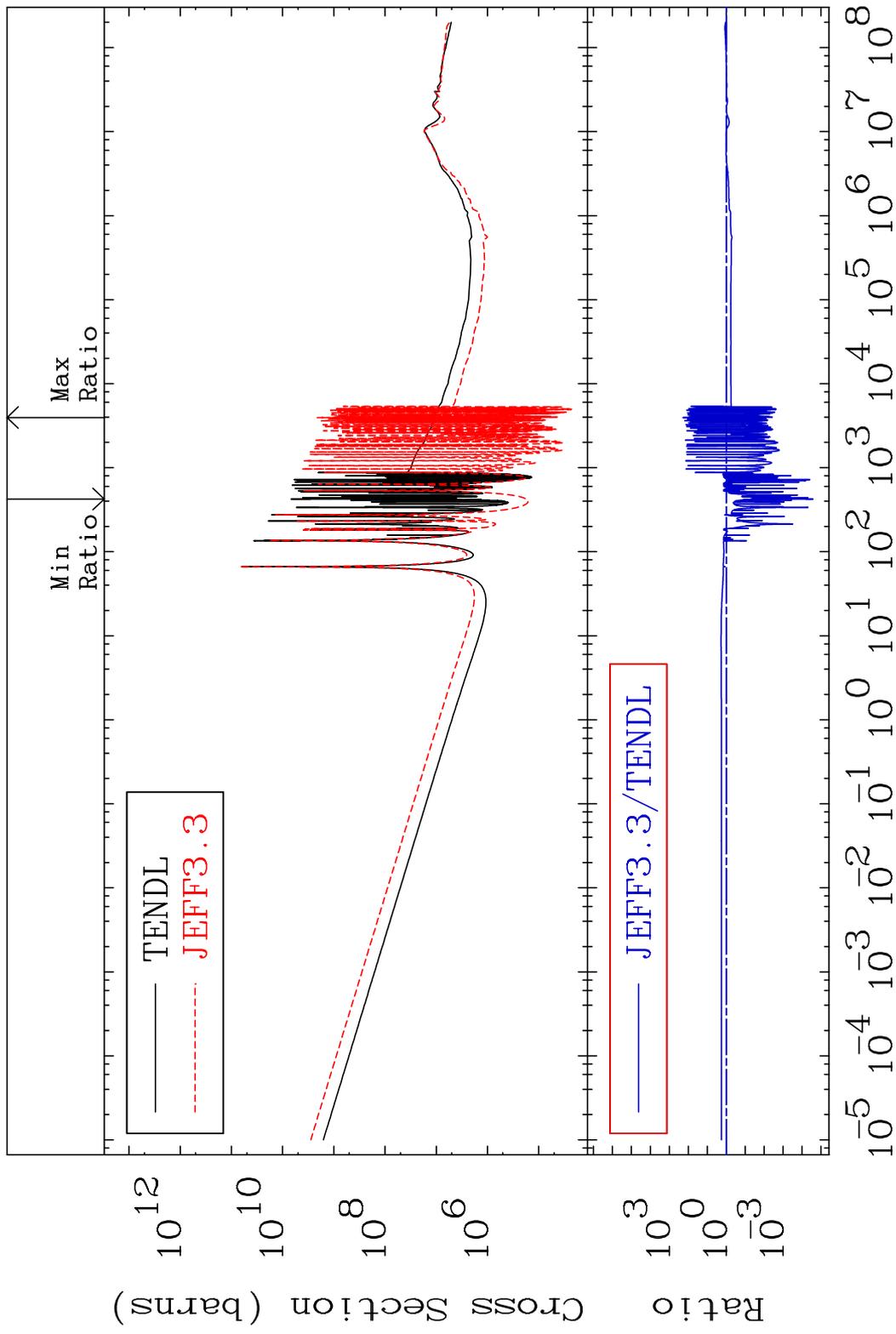
MAT 5825

Kerma capture (mt102) 58-Ce-136

Cross Section -100.0 To 9999. %

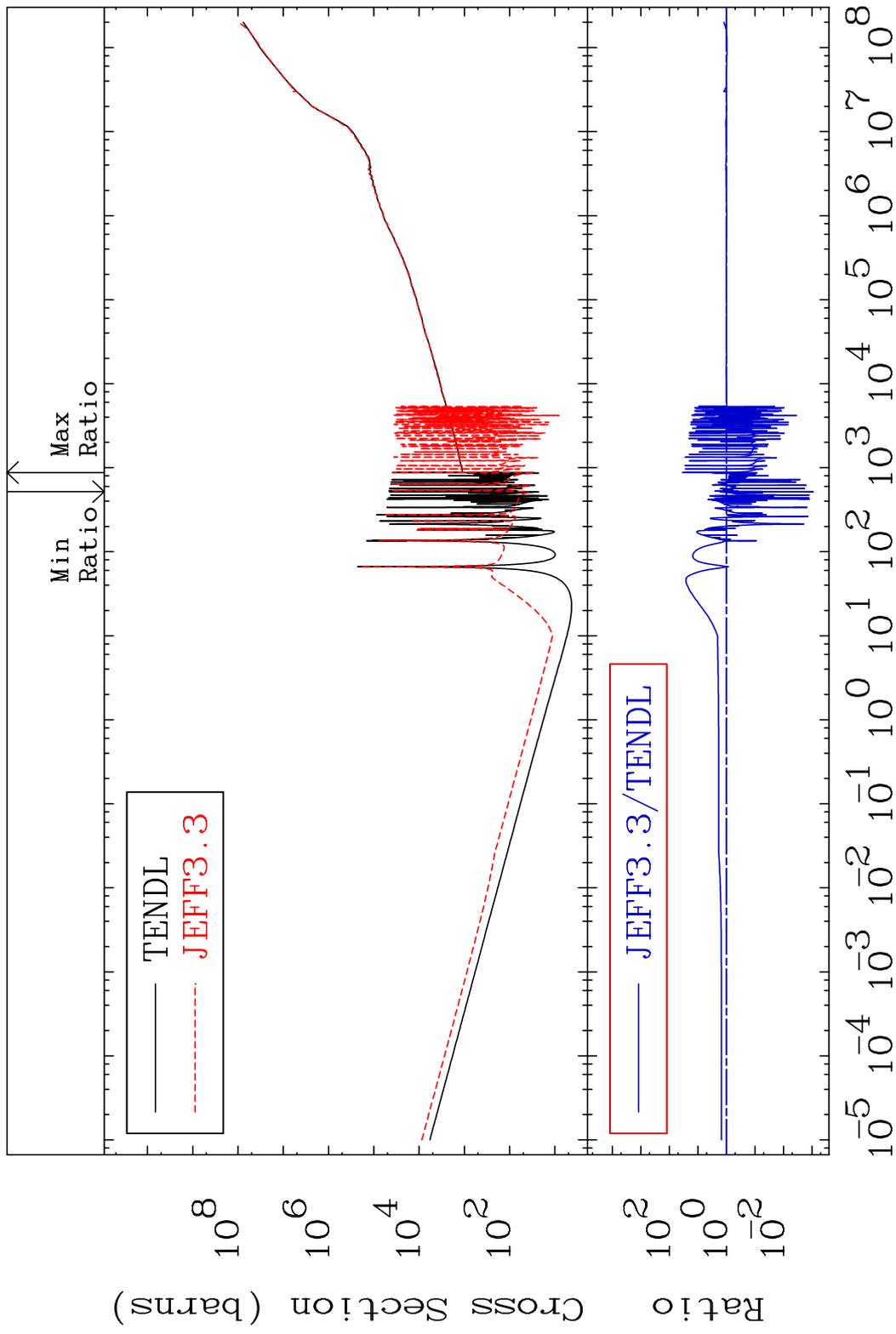


MAT 5825 Total photon (eV-barns) 58-Ce-136
 Cross Section -100.0 To 9999. %



73 Incident Energy (eV) 58-Ce-136

MAT 5825 Total kinematic kerma (high limit) 58-Ce-136
 Cross Section -99.91 To 3297. %

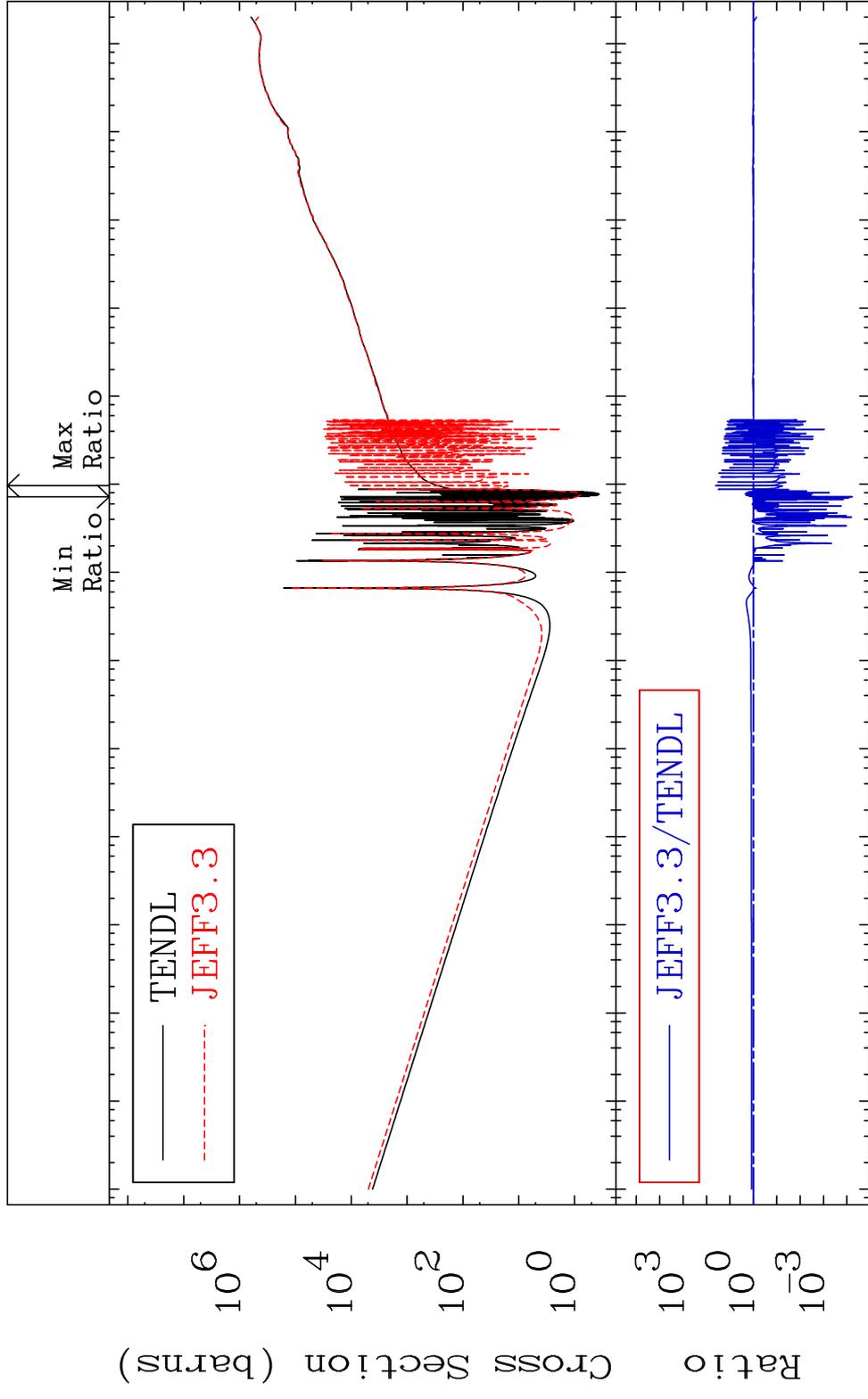


MAT 5825

Dpa total (eV-barns)

58-Ce-136

Cross Section -99.99 To 3863. %

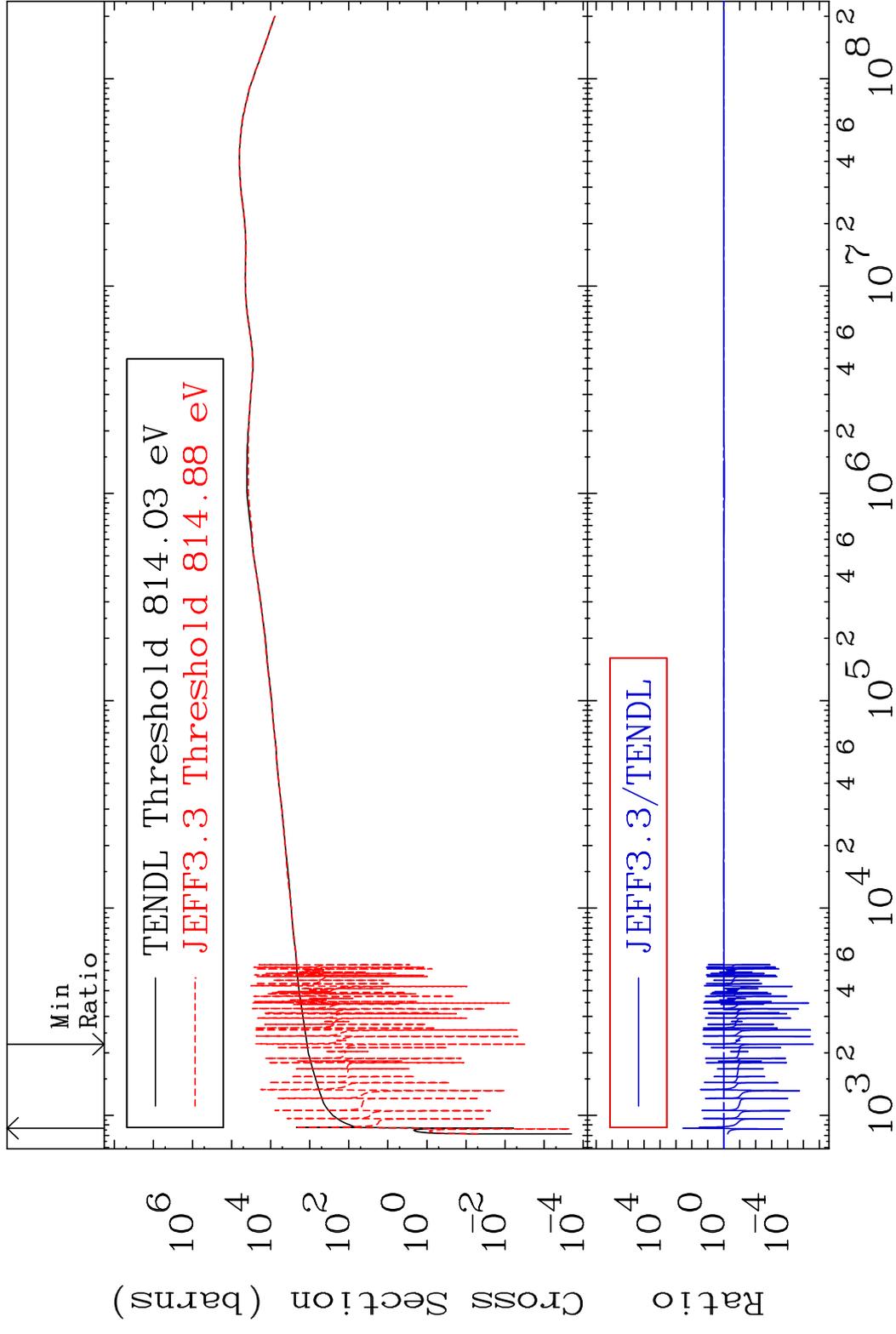


75

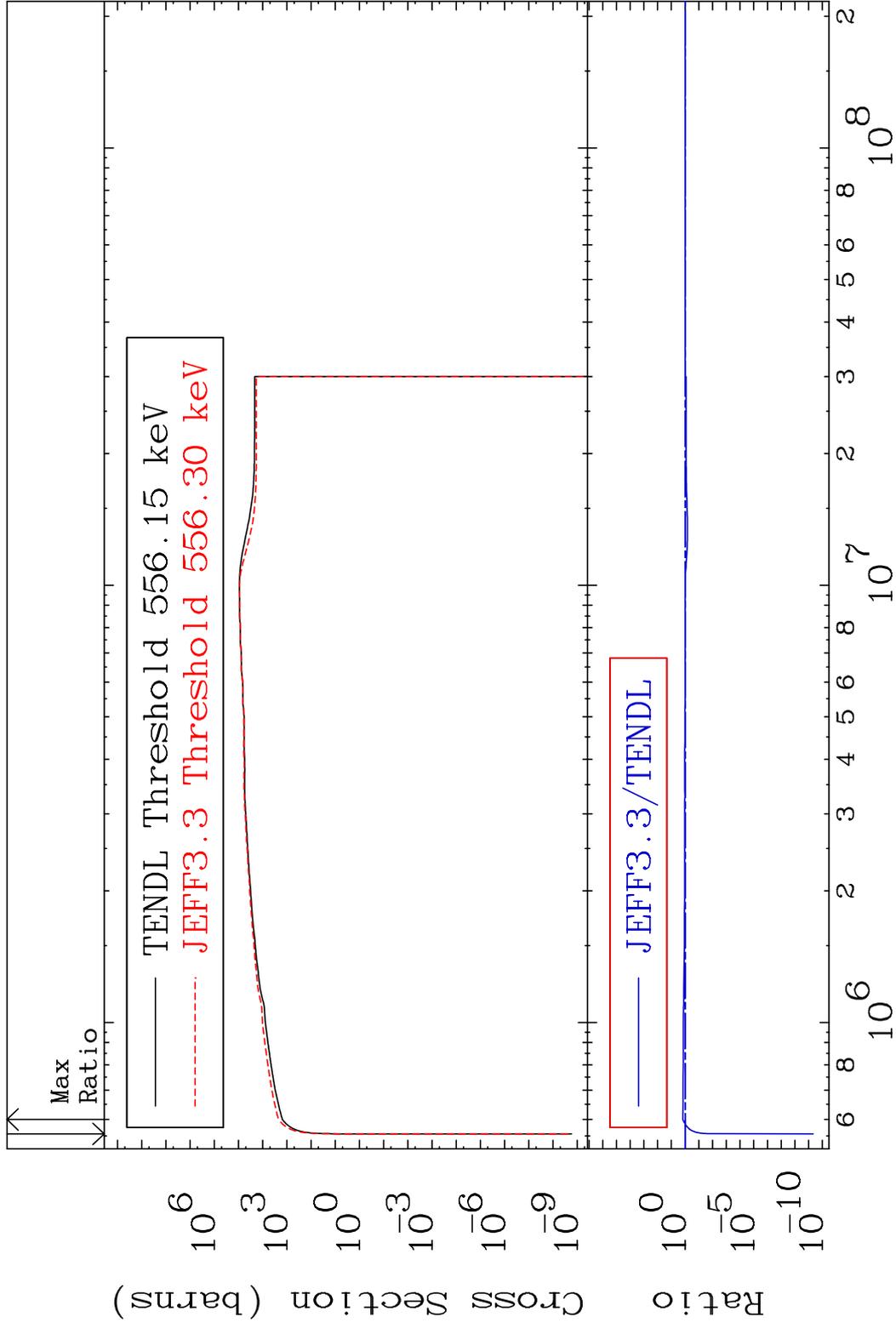
Incident Energy (eV)

58-Ce-136

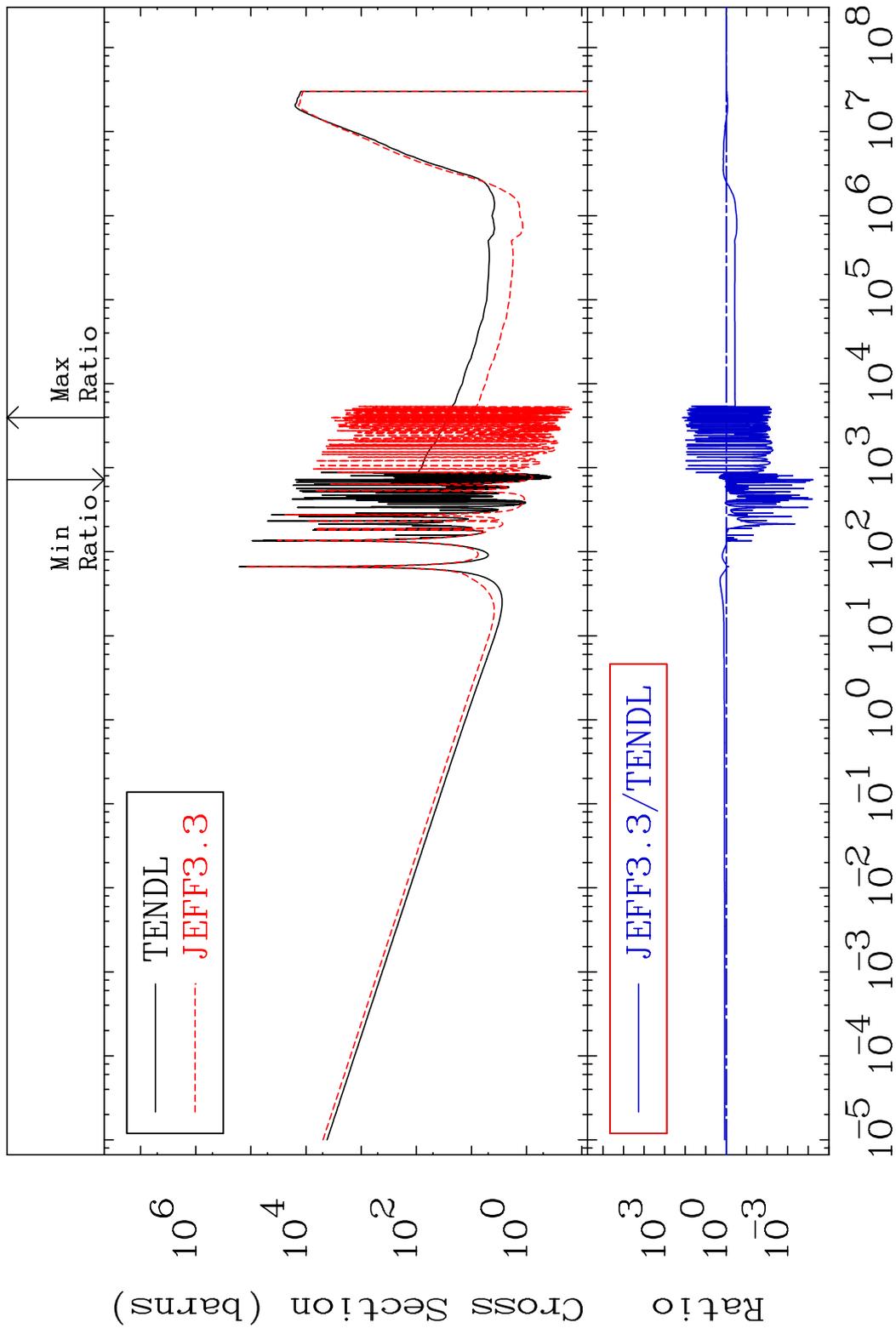
MAT 5825 Dpa elastic (mt2) 58-Ce-136
 Cross Section -100.0 To 9999. %



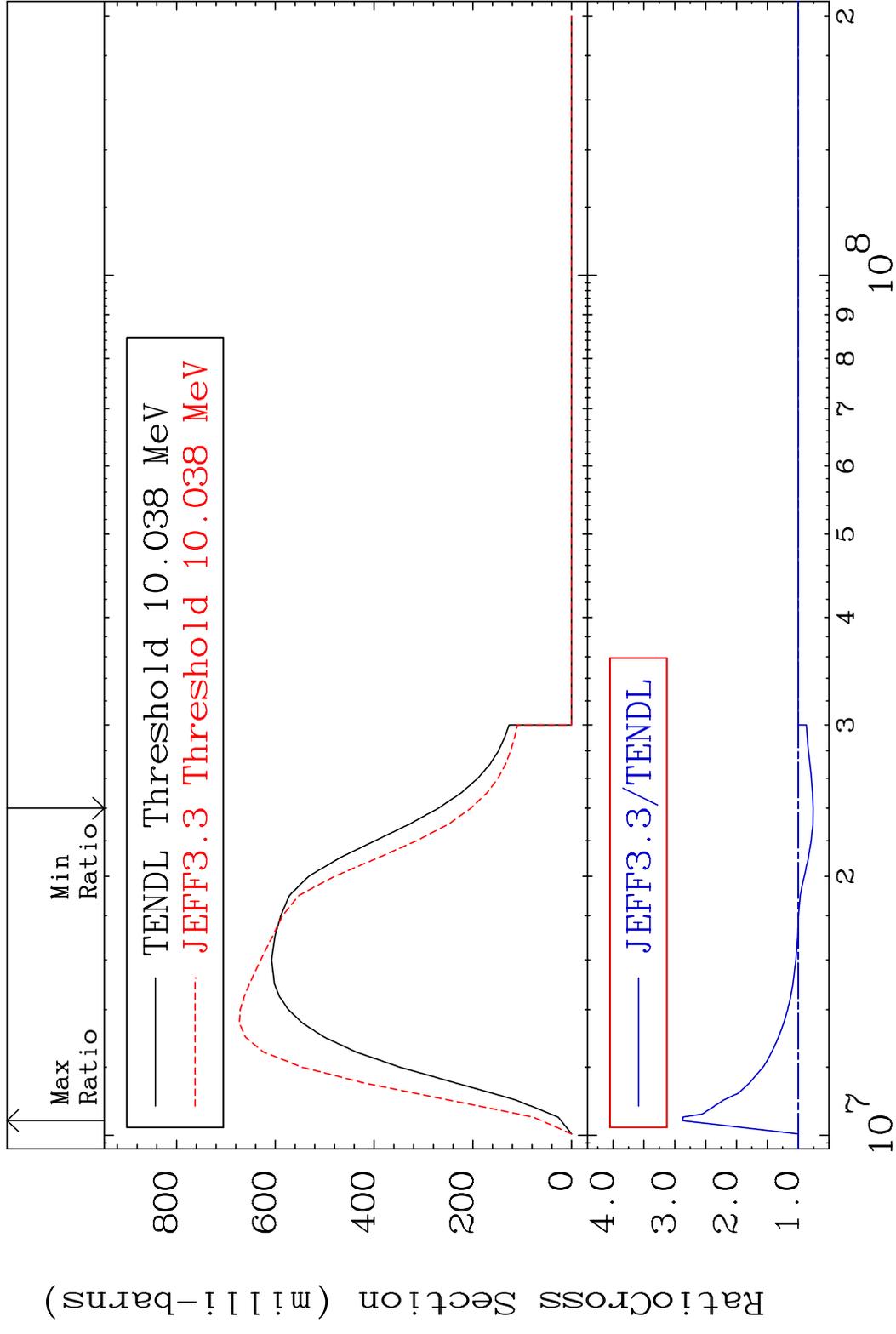
MAT 5825 Dpa inelastic (mt51-91) 58-Ce-136
 Cross Section -100.0 To 45.52 %



MAT 5825 Dpa disappearance (mt102 -120) 58-Ce-136
 Cross Section -99.99 To 9999. %

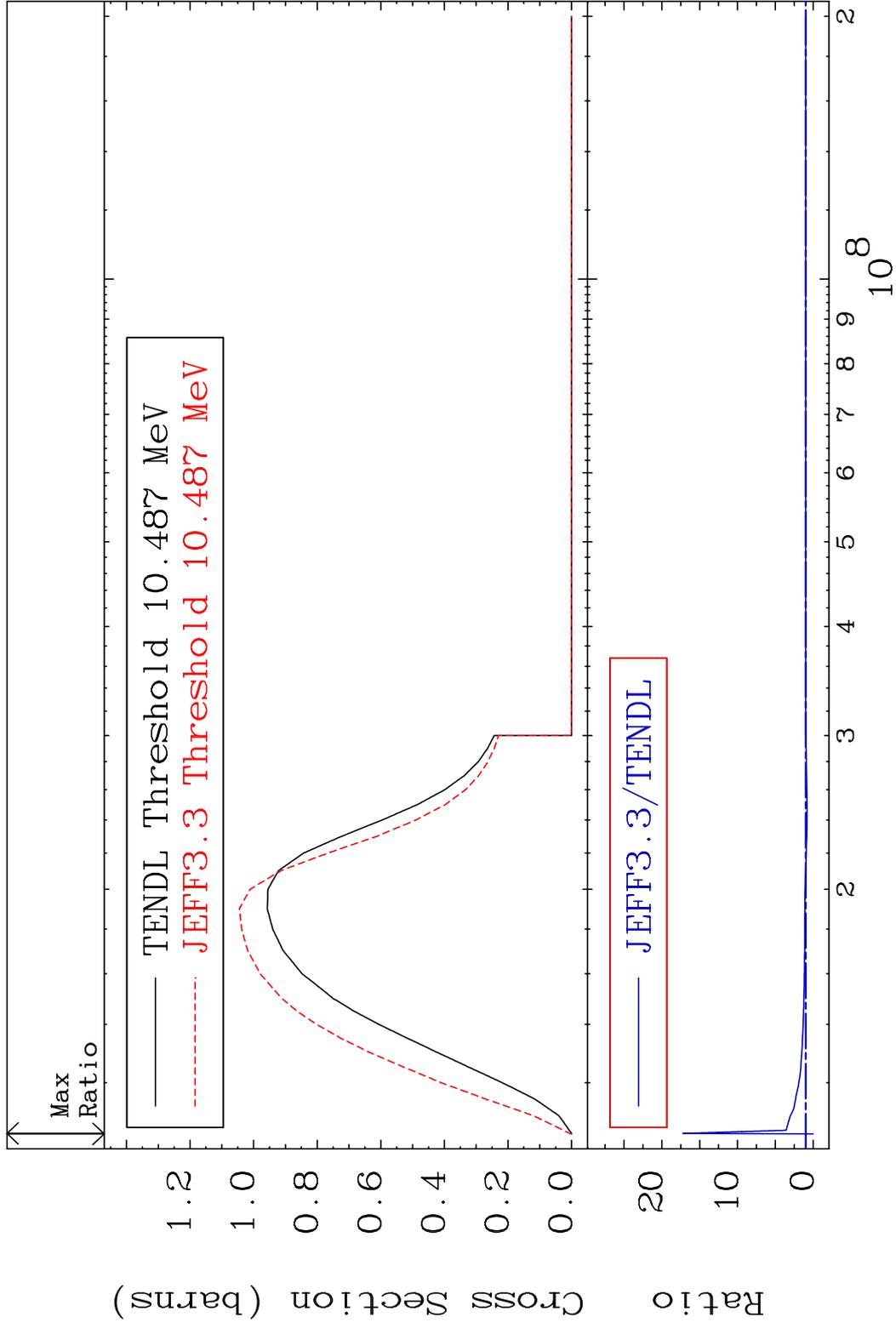


MAT 5825 (n,2n):58-Ce-135g 58-Ce-136
 Radionuclide Production Cross Section 186.9 %

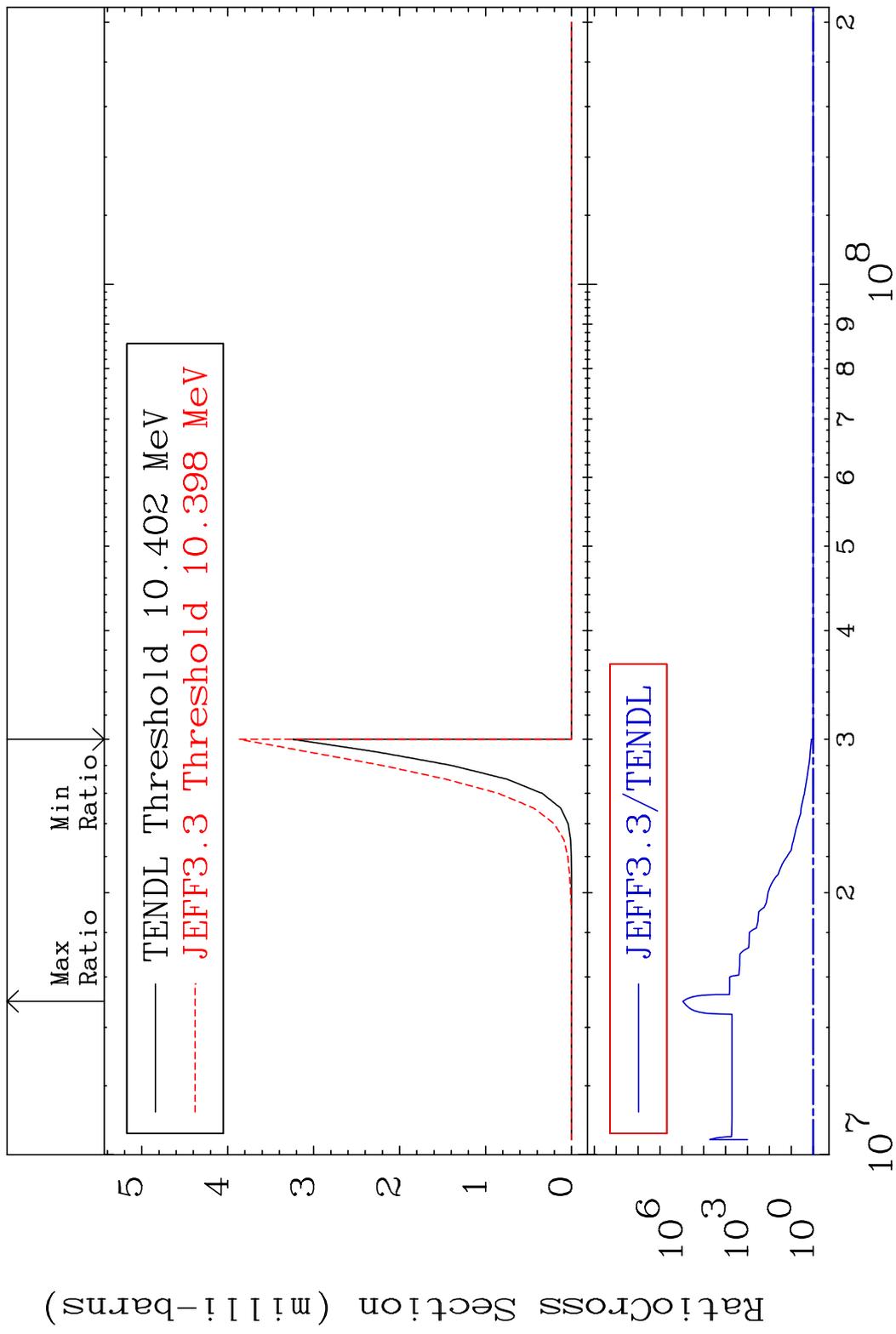


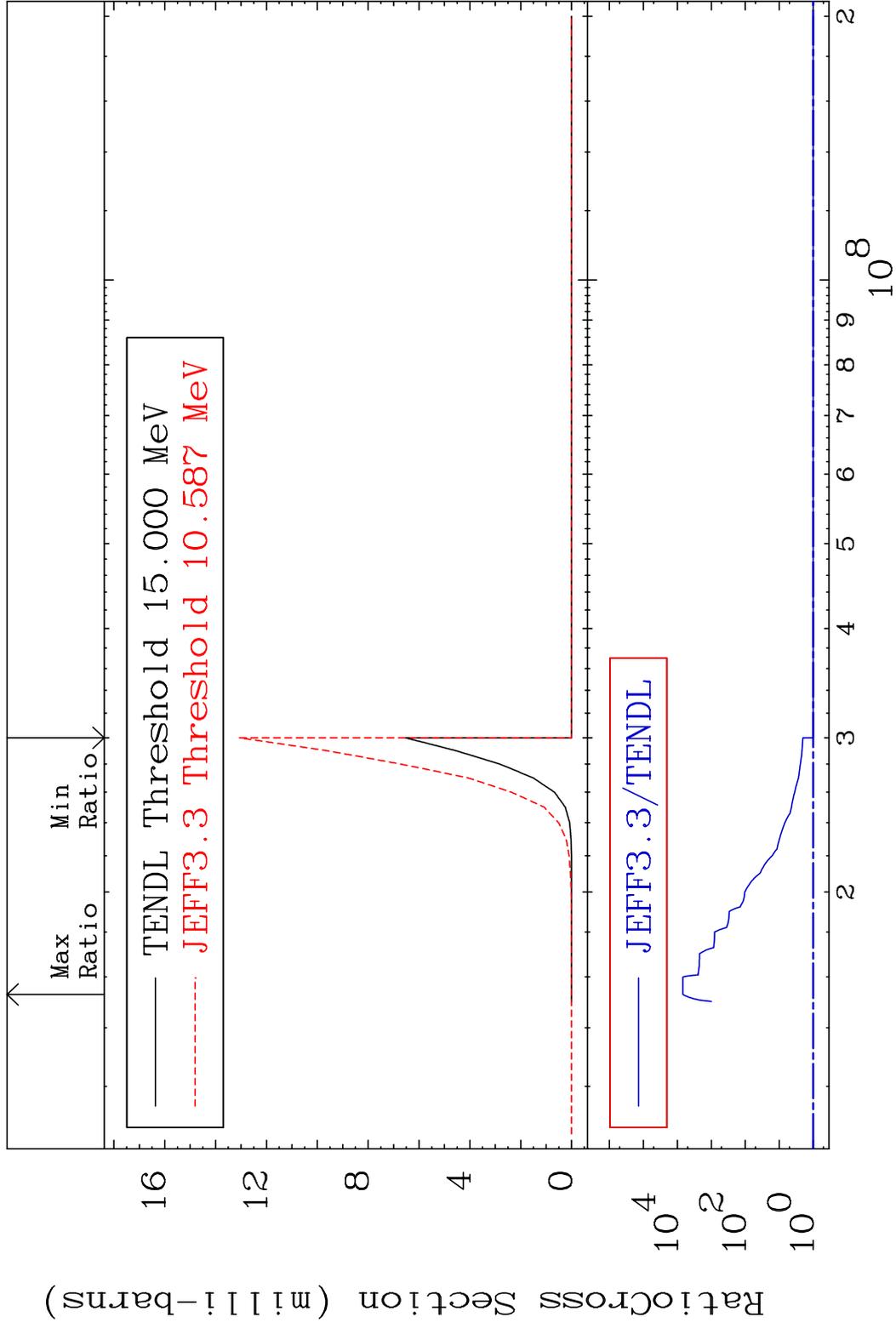
79 Incident Energy (eV) 58-Ce-136

MAT 5825 (n,2n):58-Ce-135m4 58-Ce-136
 Radionuclide Production Cross Section 180.01 dth 1622. %

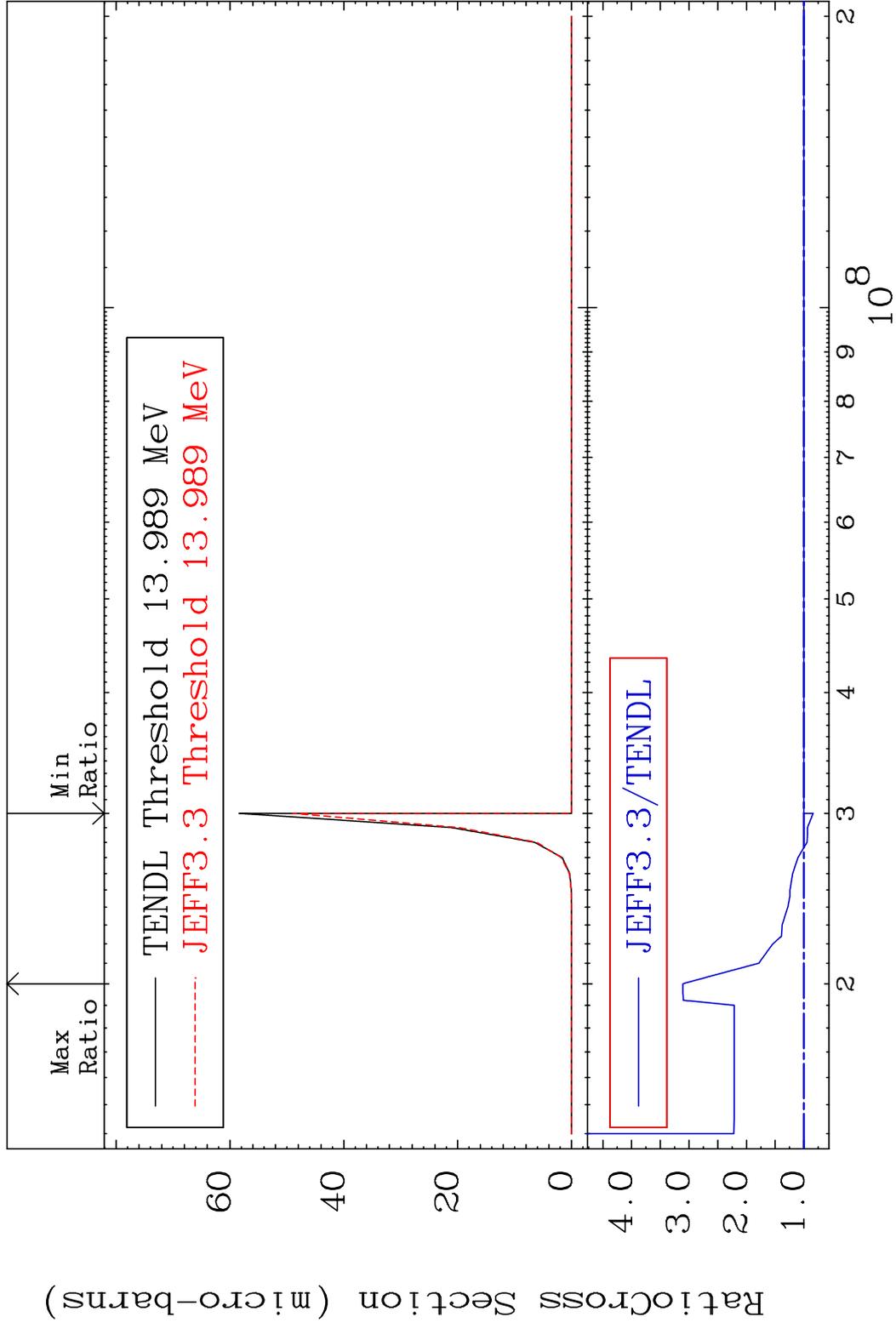


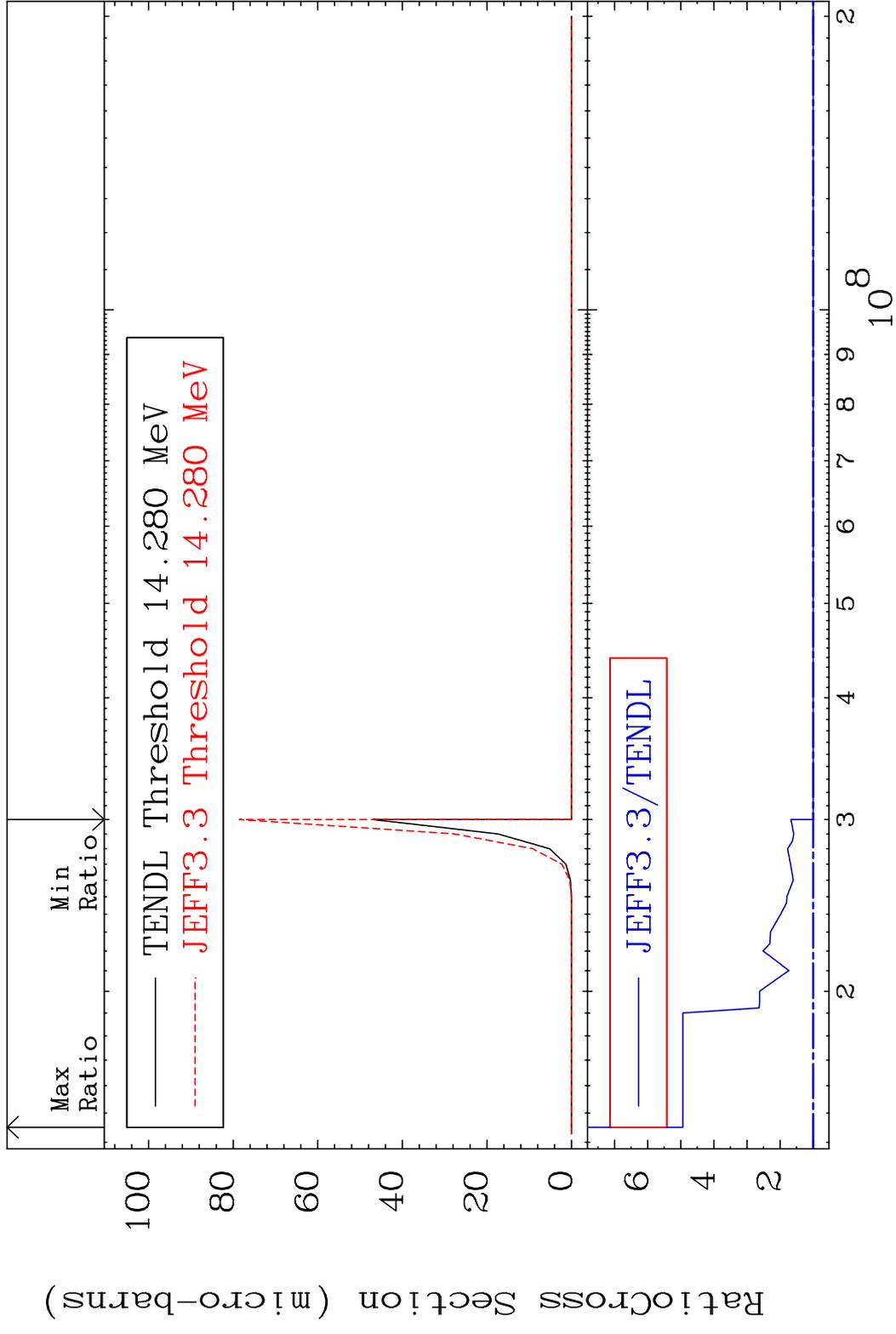
MAT 5825 (n,2n) α :56-Ba-131g 58-Ce-136
 Radionuclide Production Cross Section 9999. %



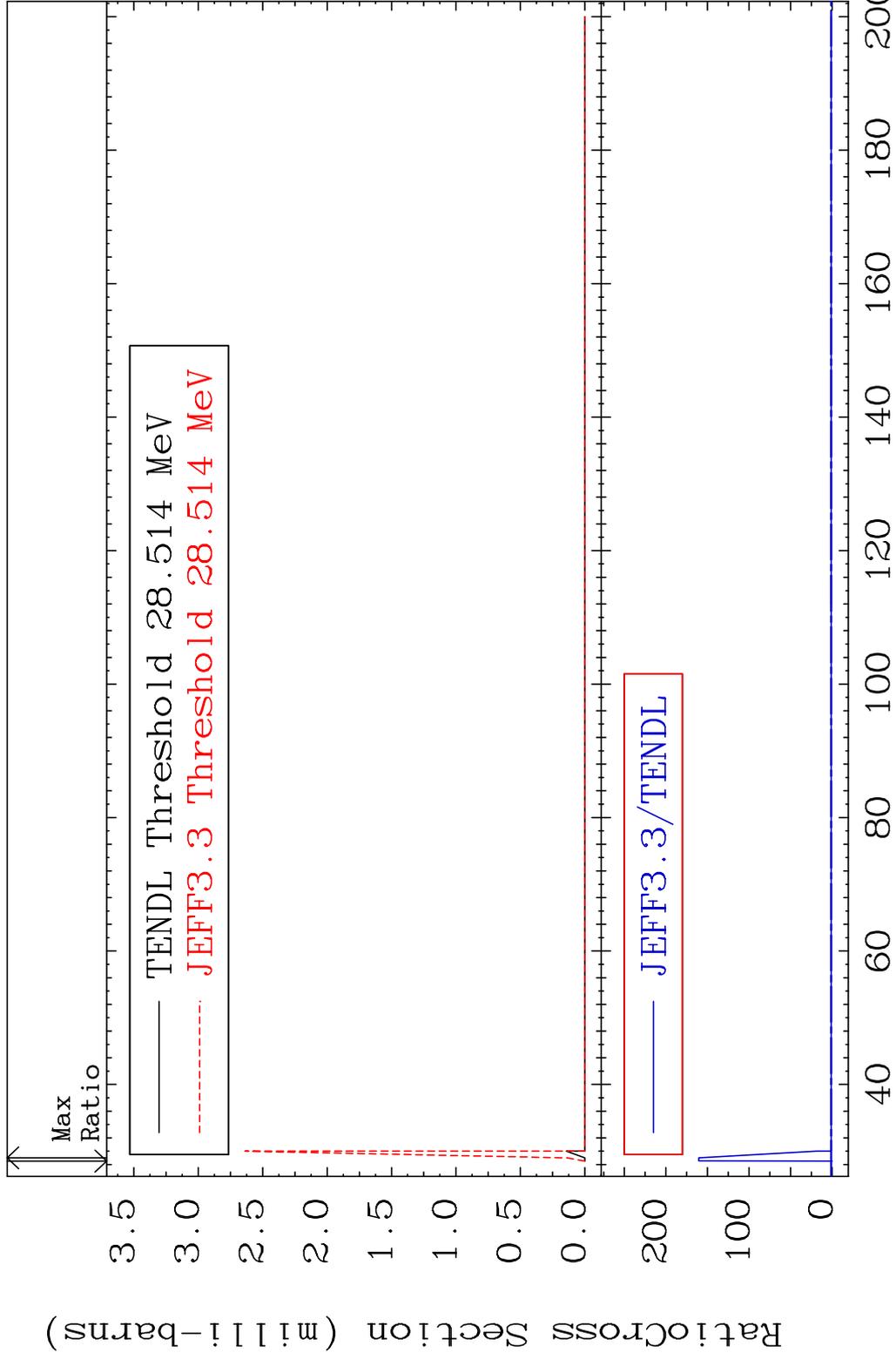


MAT 5825 (n, n') He-3:56-Ba-133g 58-Ce-136
 Radionuclide Production Cross Section to 210.8 %

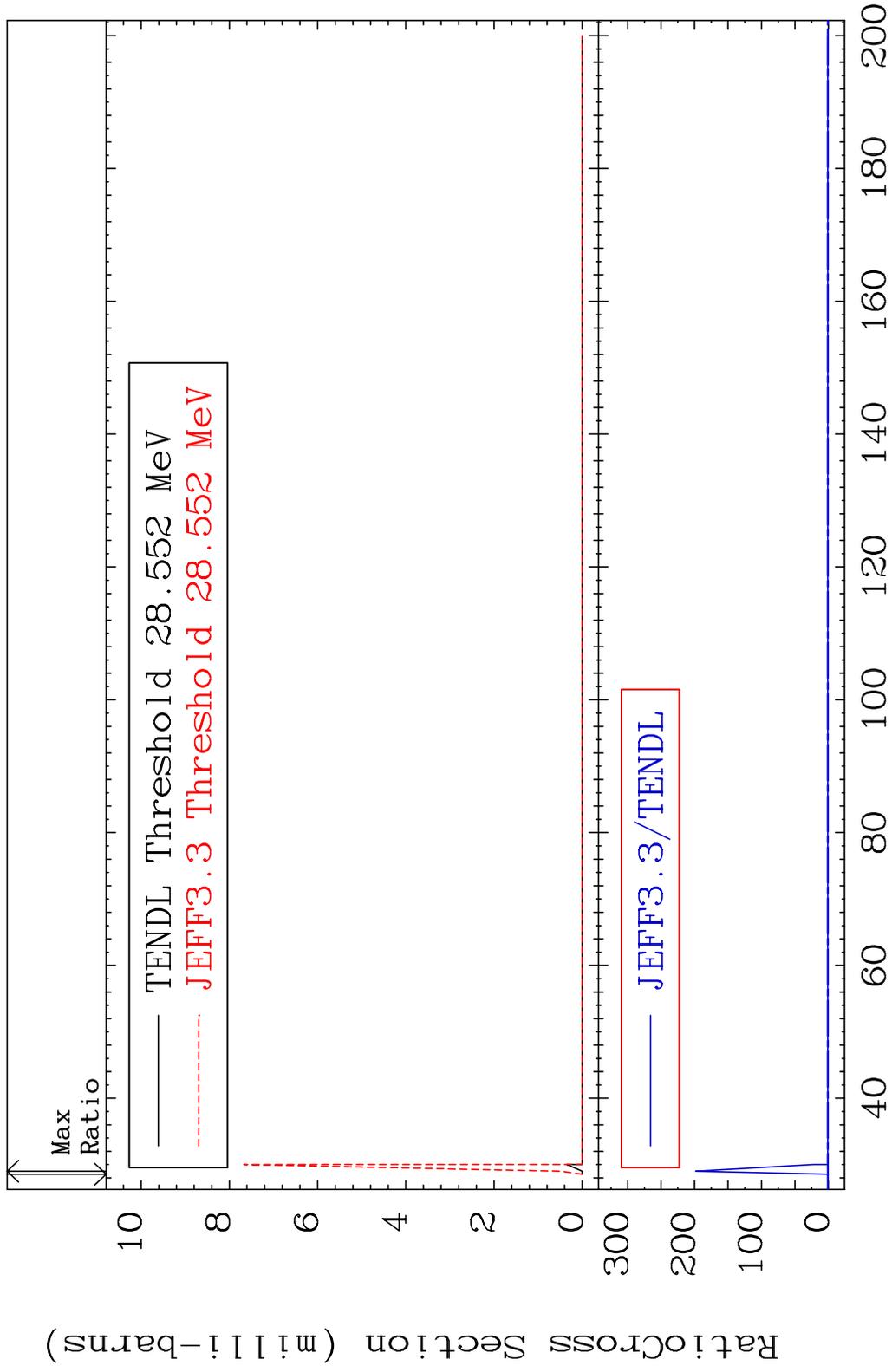




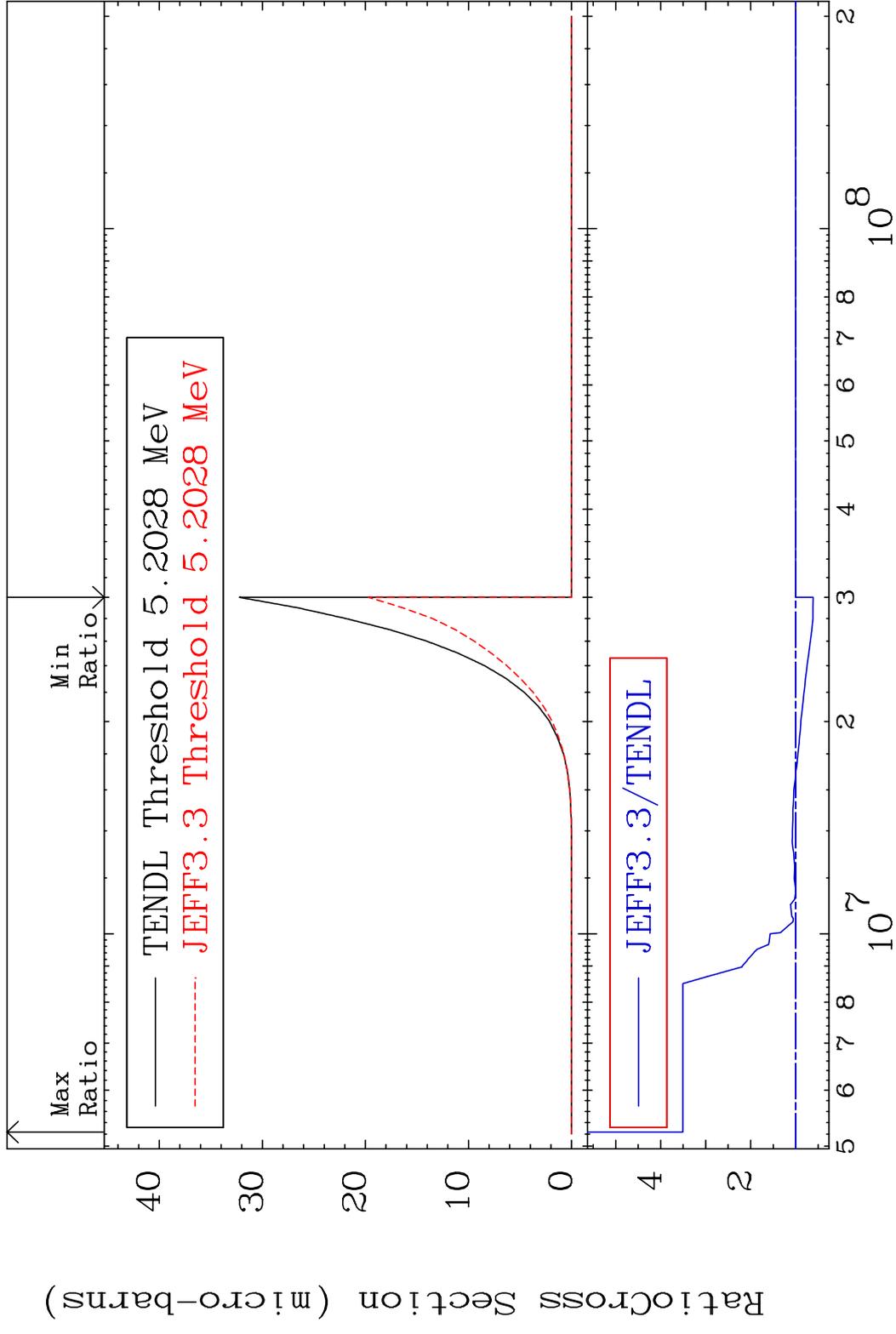
MAT 5825 (n,4n):58-Ce-133g 58-Ce-136
 Radionuclide Production Cross Section Ratio 9999. %



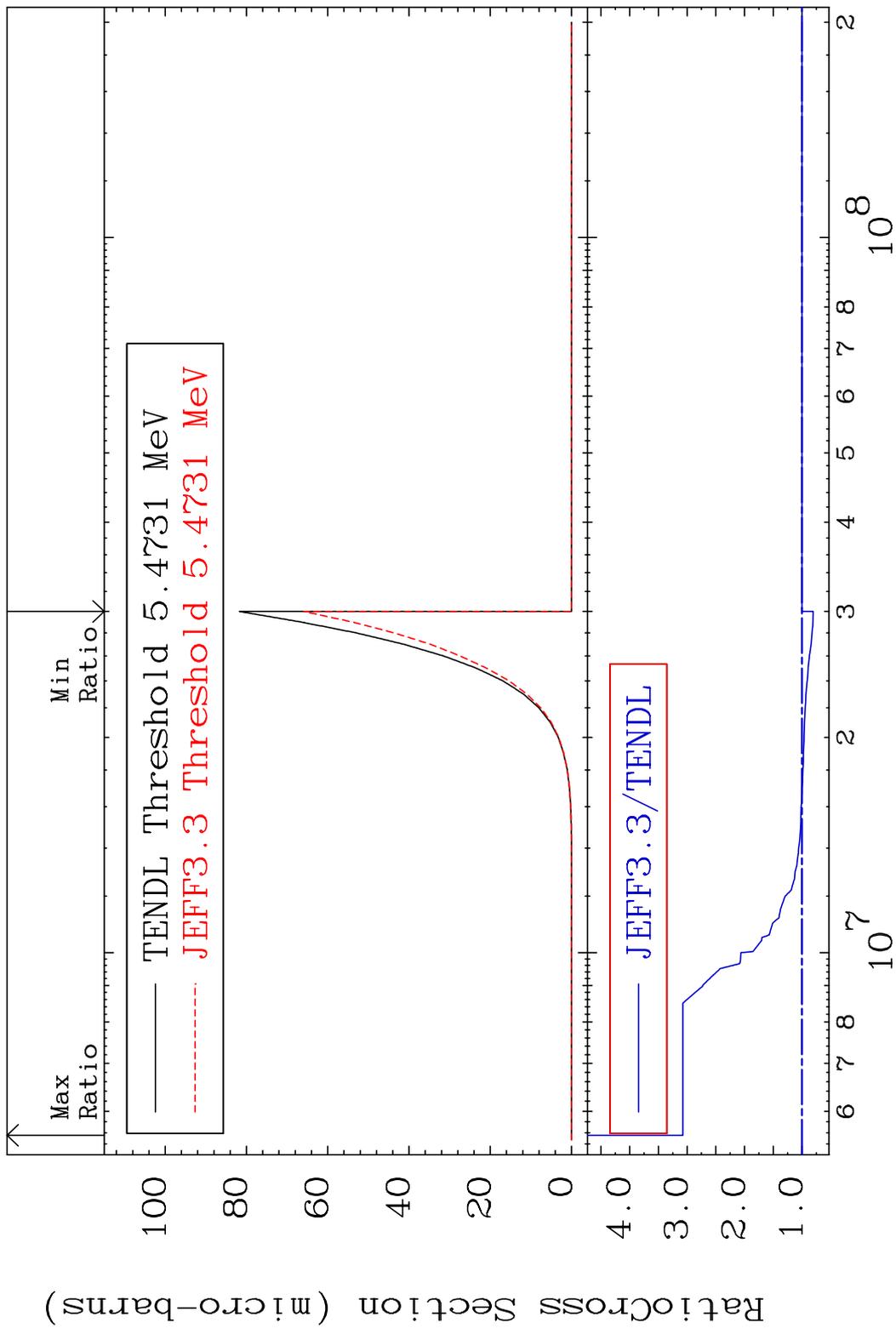
MAT 5825 (n, 4n):58-Ce-133m1 58-Ce-136
 Radionuclide Production Cross Section Ratio 9999. %

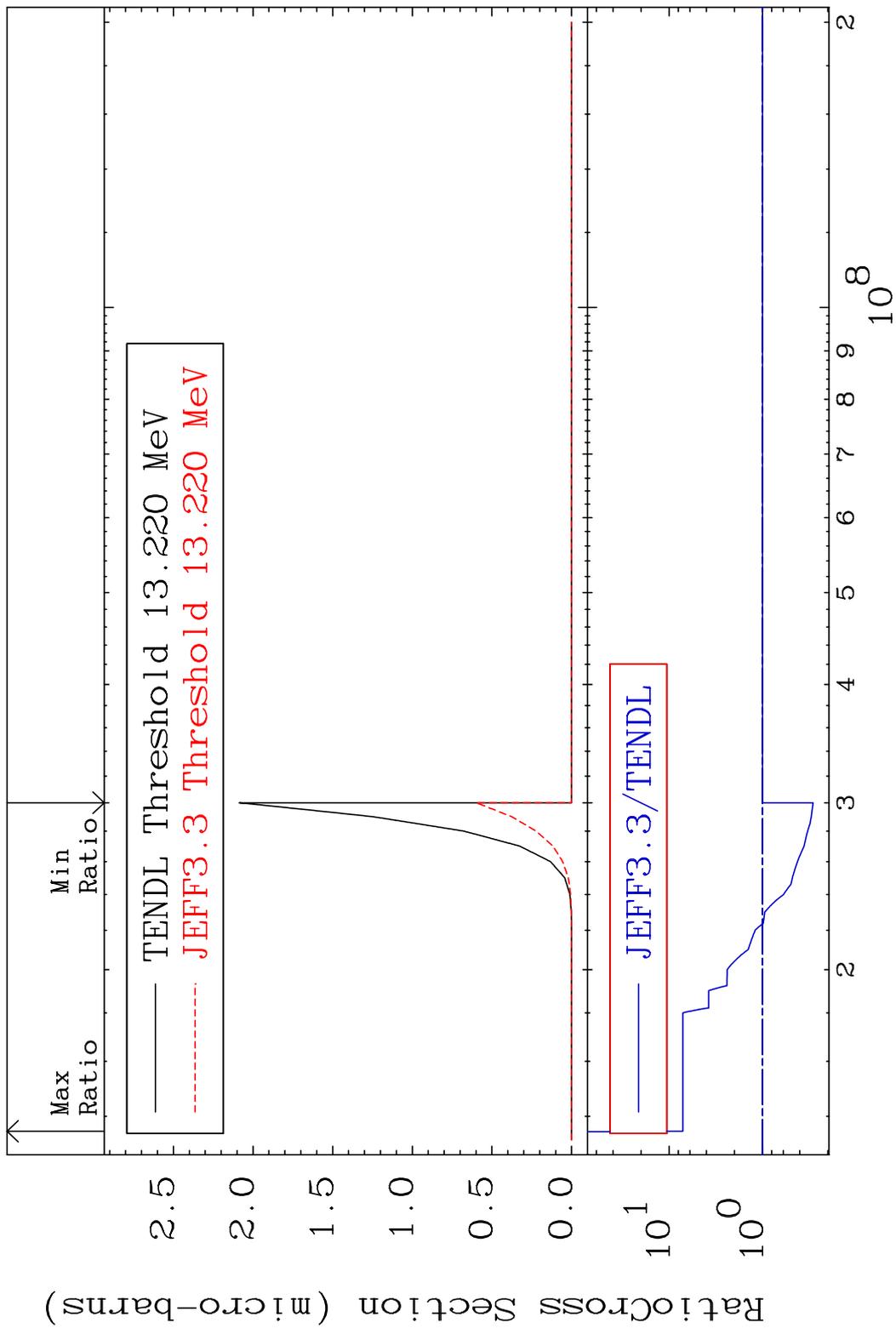


MAT 5825 (n,2p):56-Ba-135g 58-Ce-136
 Radionuclide Production Cross Section 38e-21 to 250.8 %



MAT 5825 (n, 2p) : 56-Ba-135m2 58-Ce-136
 Radionuclide Production Cross Section 19e371 d10 207.4 %





MAT 5825 (n, p) t:56-Ba-133m2 58-Ce-136
 Radionuclide Production Cross Section 631.9 %

