

Program Complot
(Version 2021-1)

by

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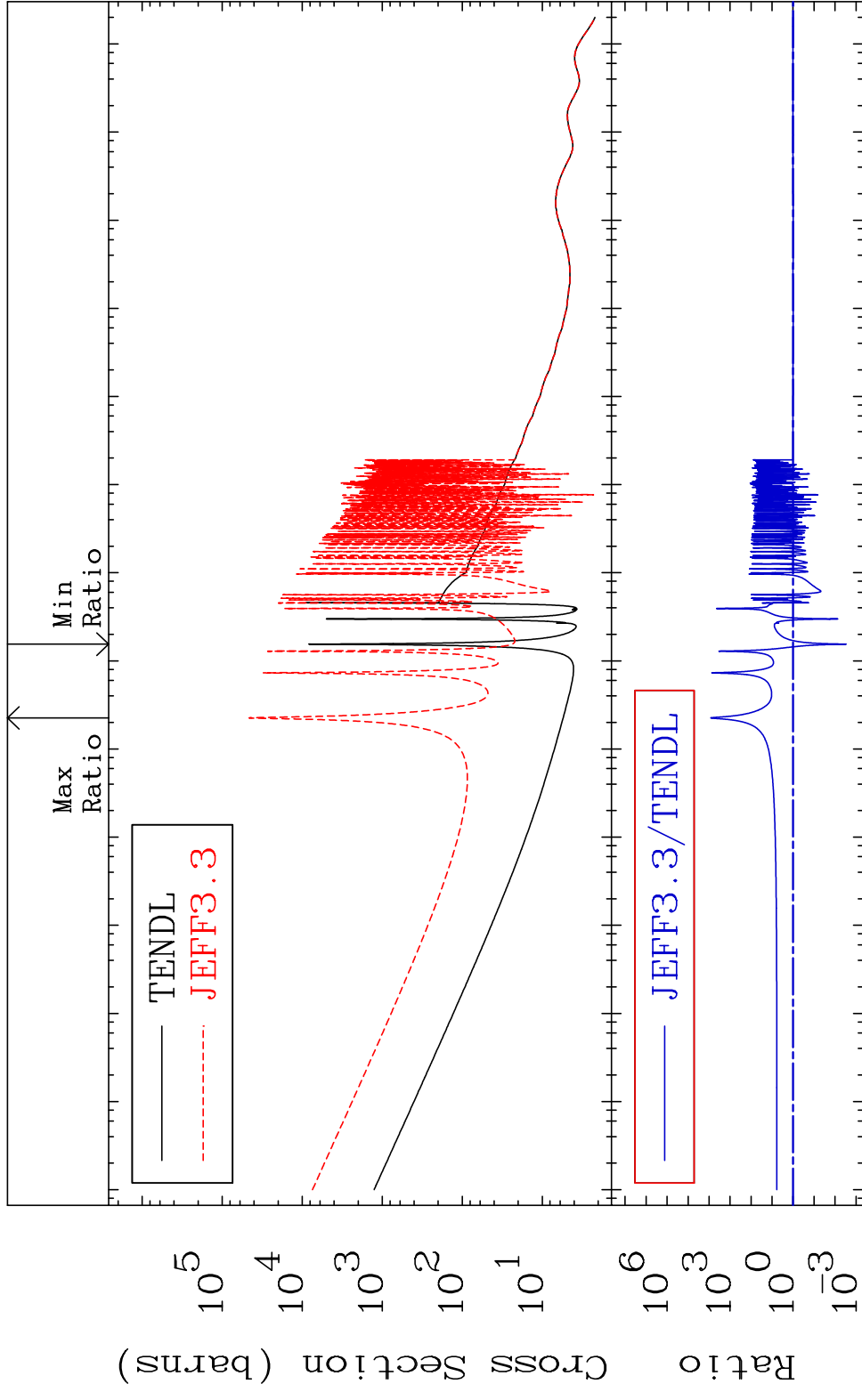
Press Mouse Button to Start

MAT 5722

57-La-137

Total

Cross Section -99.71 To 9999. %



1

Incident Energy (eV)

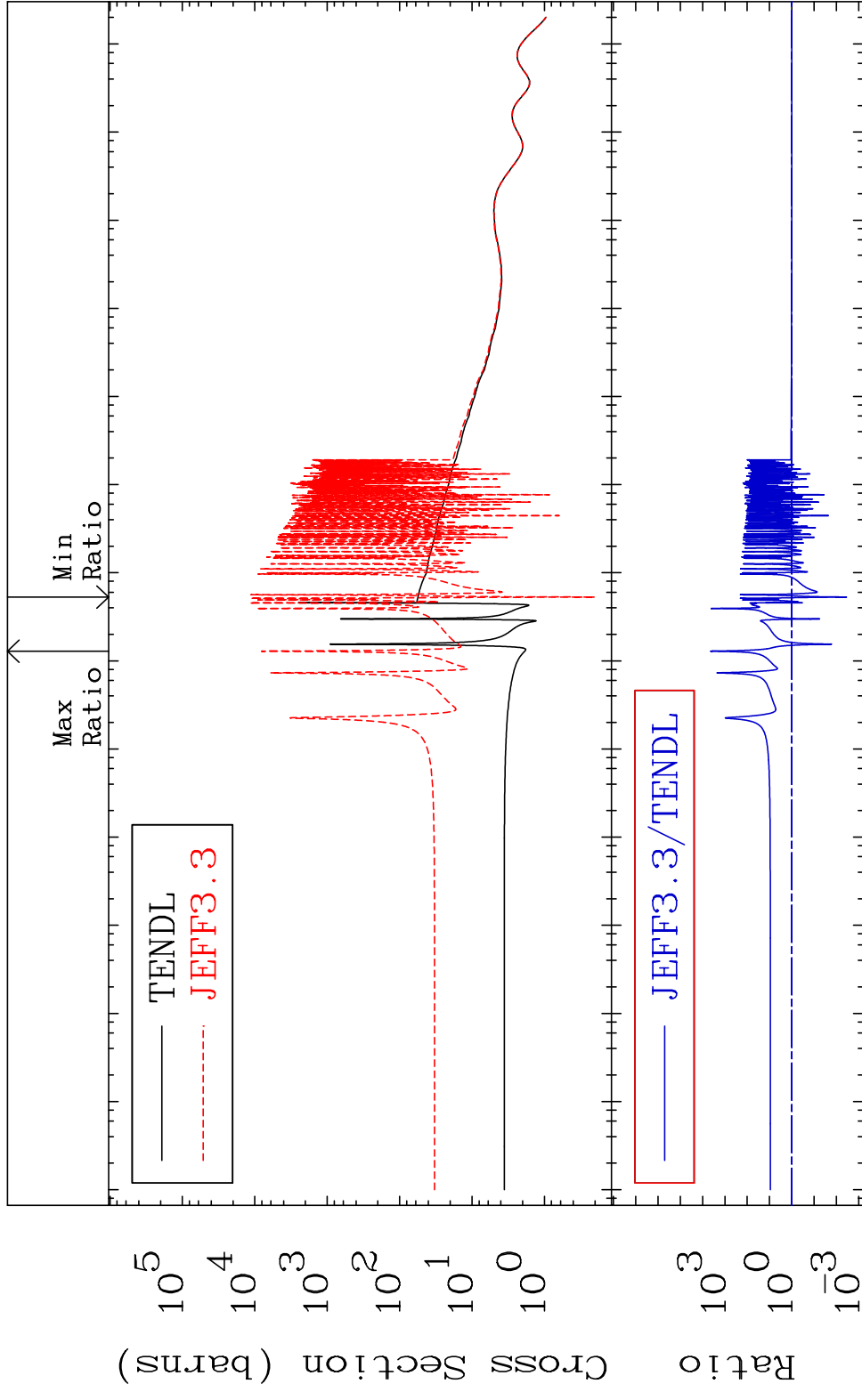
57-La-137

MAT 5722

Elastic

57-La-137

Cross Section -99.64 To 9999. %



2

Incident Energy (eV)

57-La-137

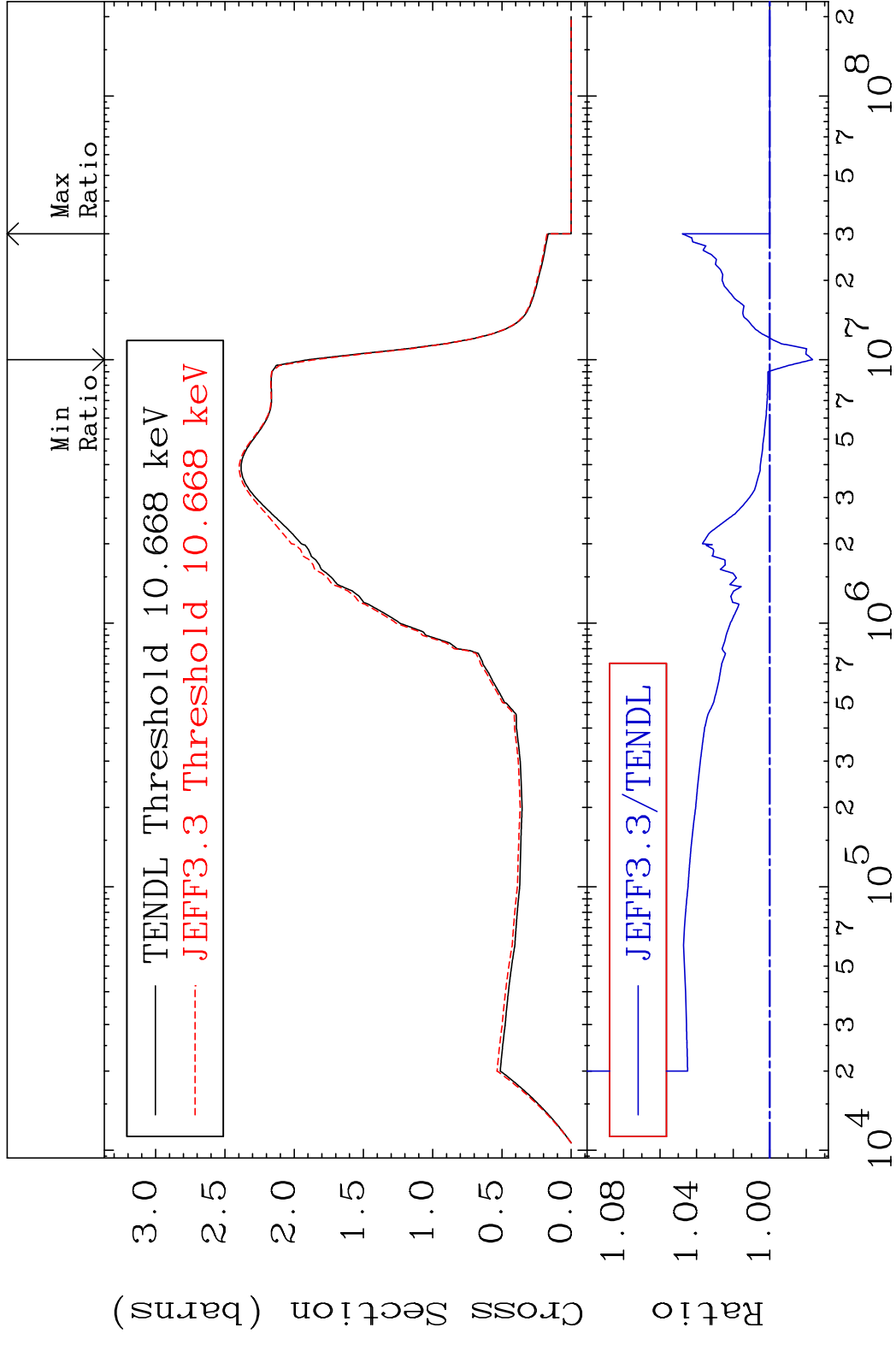
MAT 5722

Inelastic

57-La-137

Cross Section

-2.342 To 4.779 %



Incident Energy (eV)

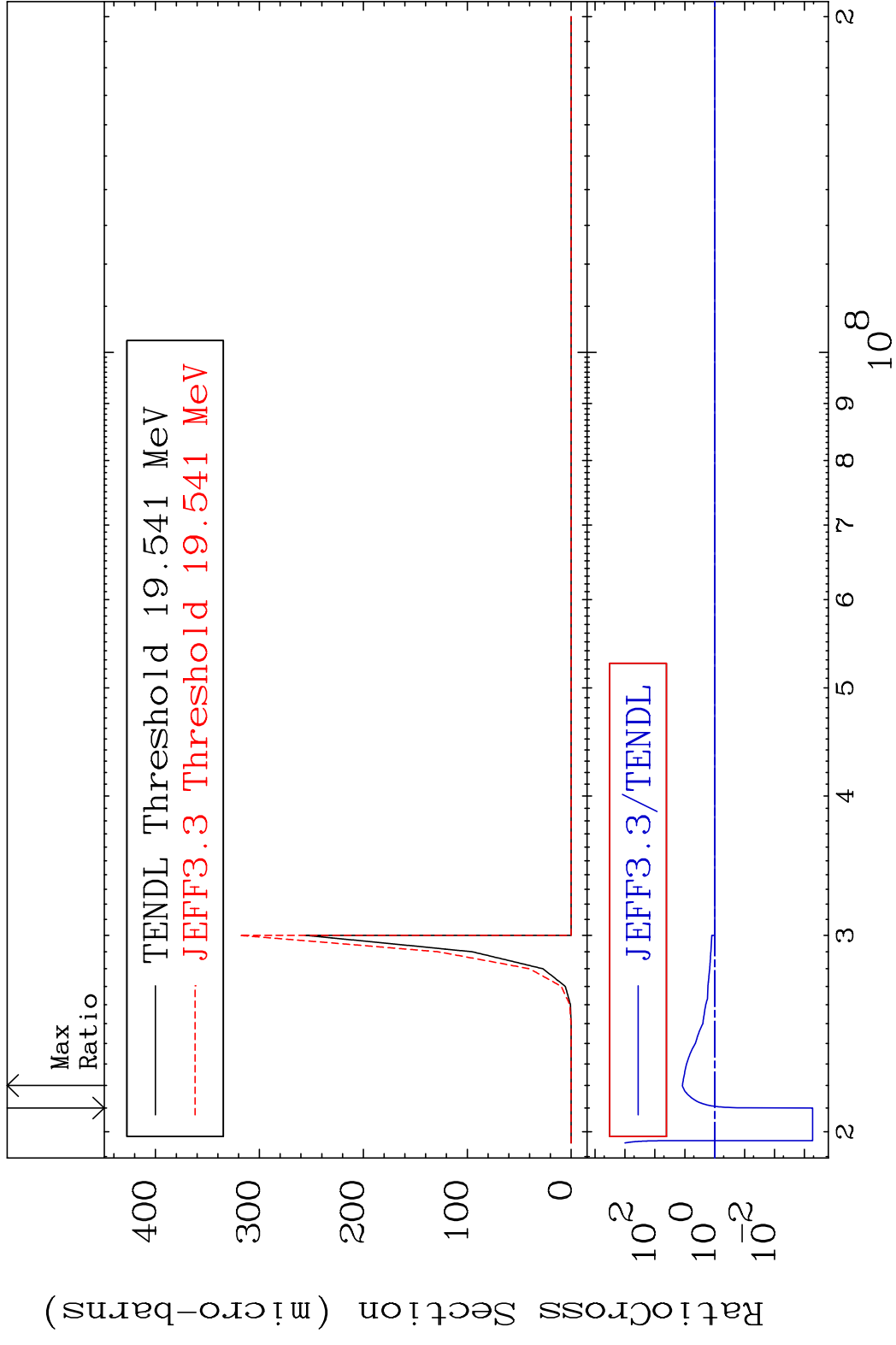
57-La-137

MAT 5722

(n,2n) d

57-La-137

Cross Section -99.95 To 1106. %

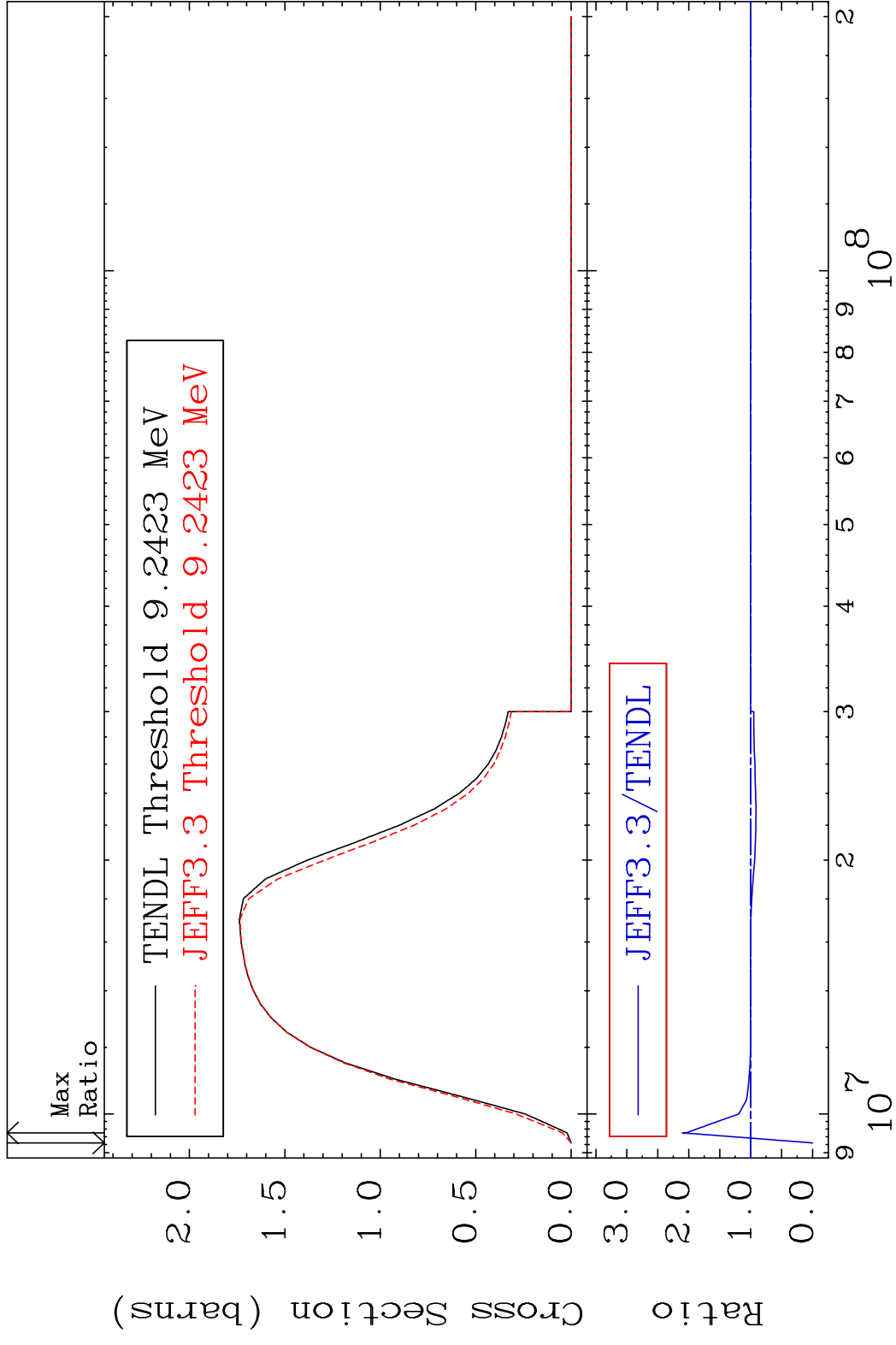


MAT 5722

(n,2n)

57-La-137

Cross Section -100.0 To 110.3 %



5

Incident Energy (eV)

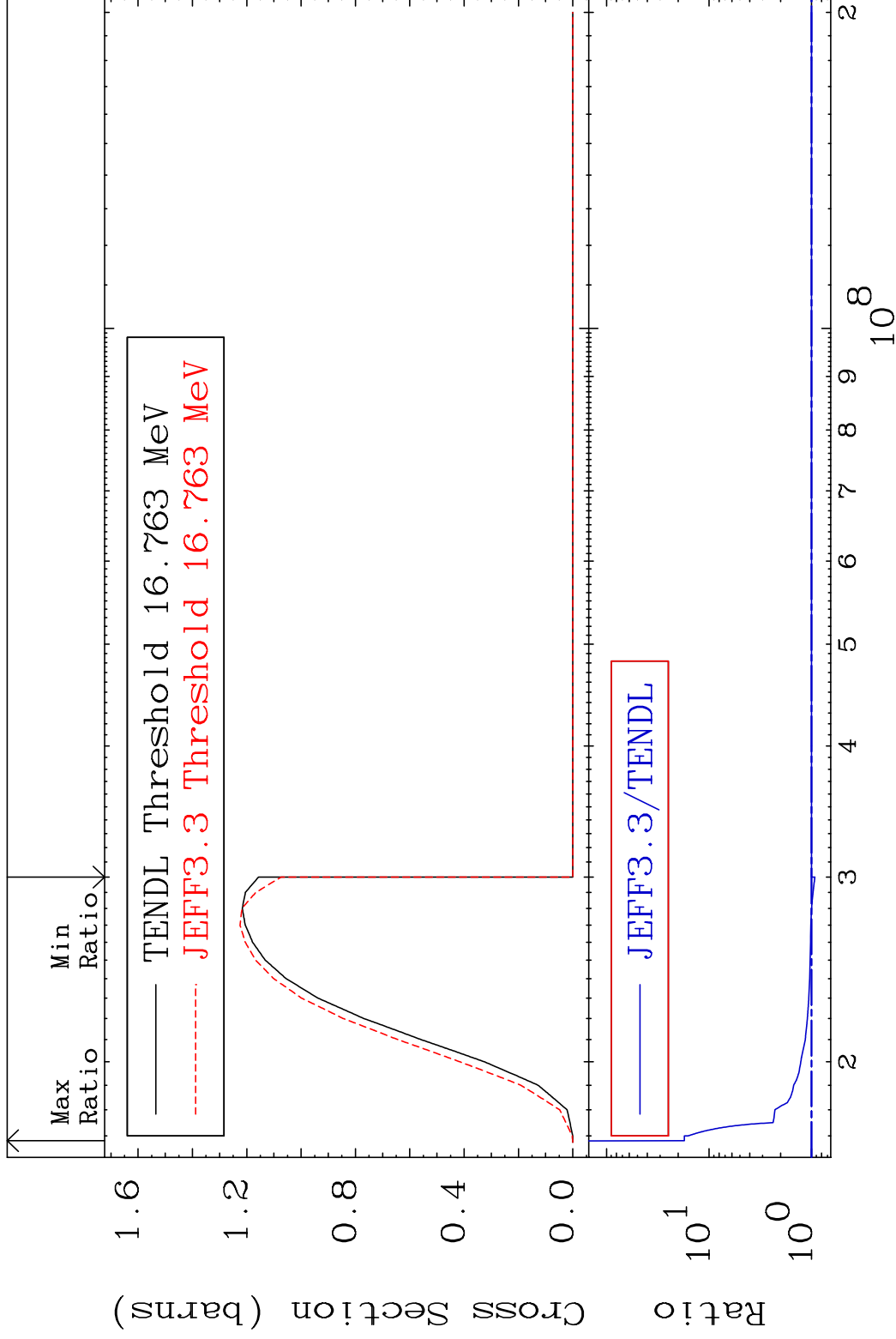
57-La-137

MAT 5722

(n,3n)

57-La-137

Cross Section -7.170 To 1644. %



6

Incident Energy (eV)

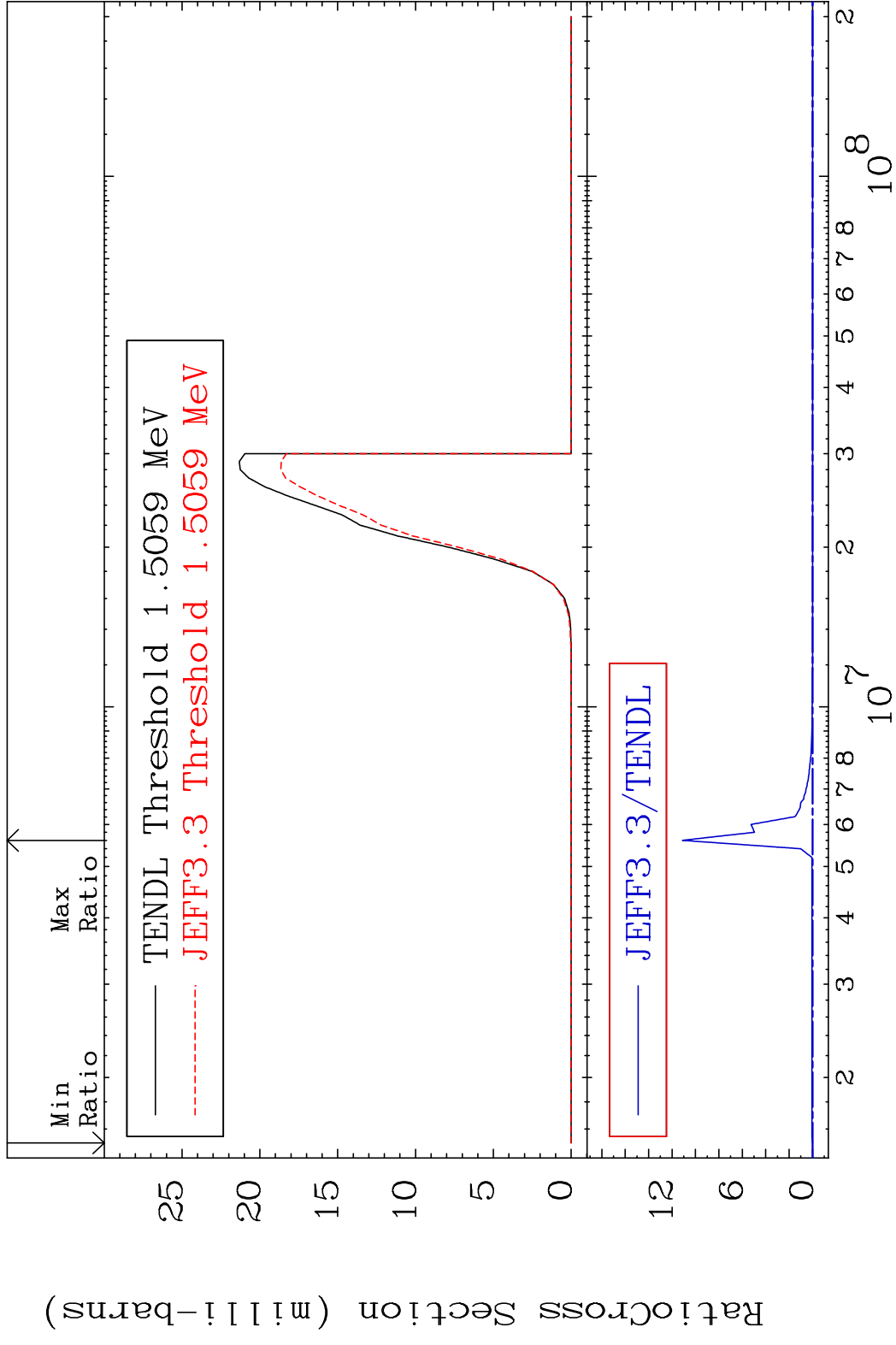
57-La-137

MAT 5722

(n, n') α

57-La-137

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

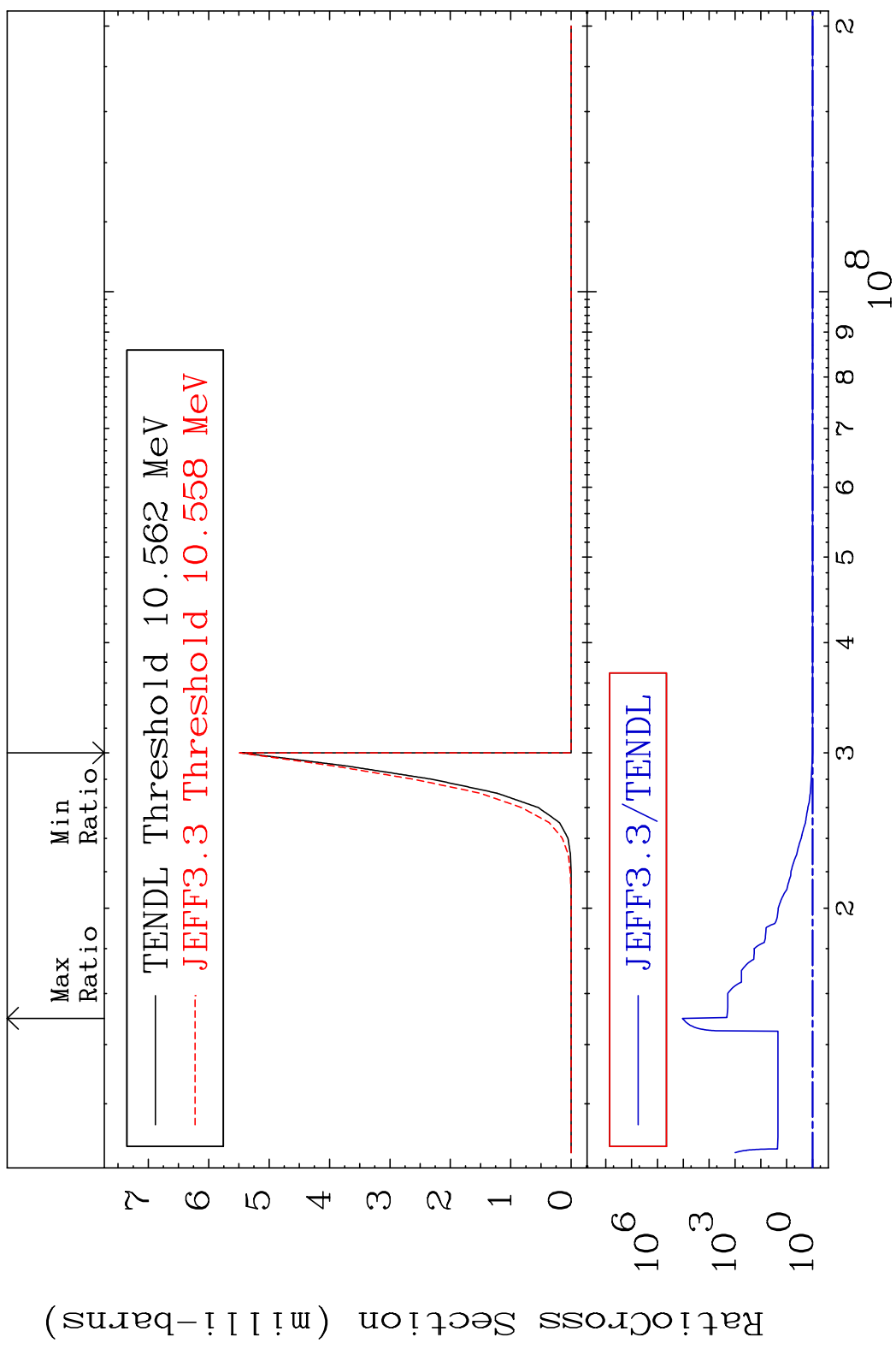
57-La-137

MAT 5722

(n,2n) α

57-La-137

Cross Section 0.000 To 9999. %

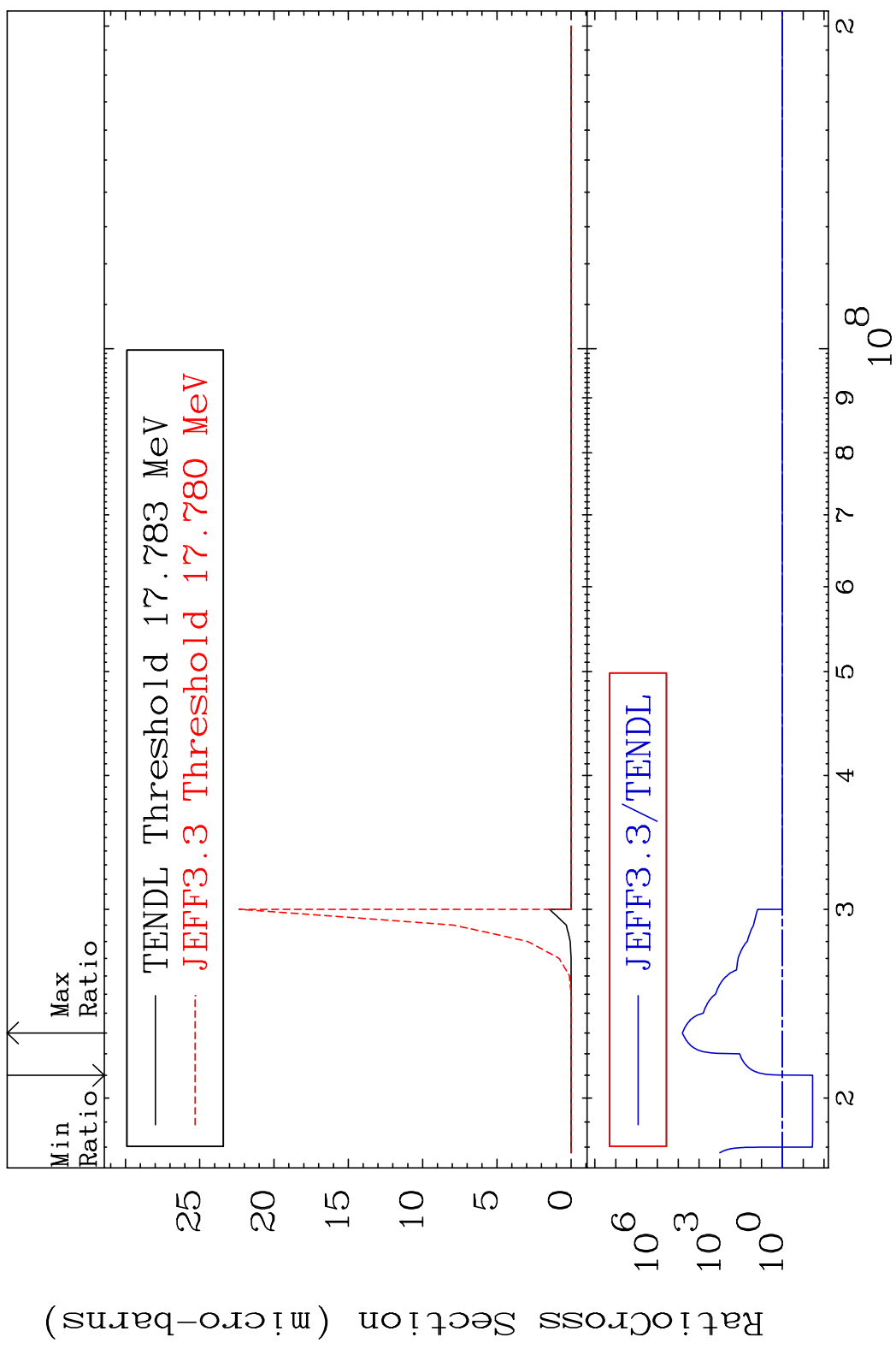


MAT 5722

(n,3n) α

57-La-137

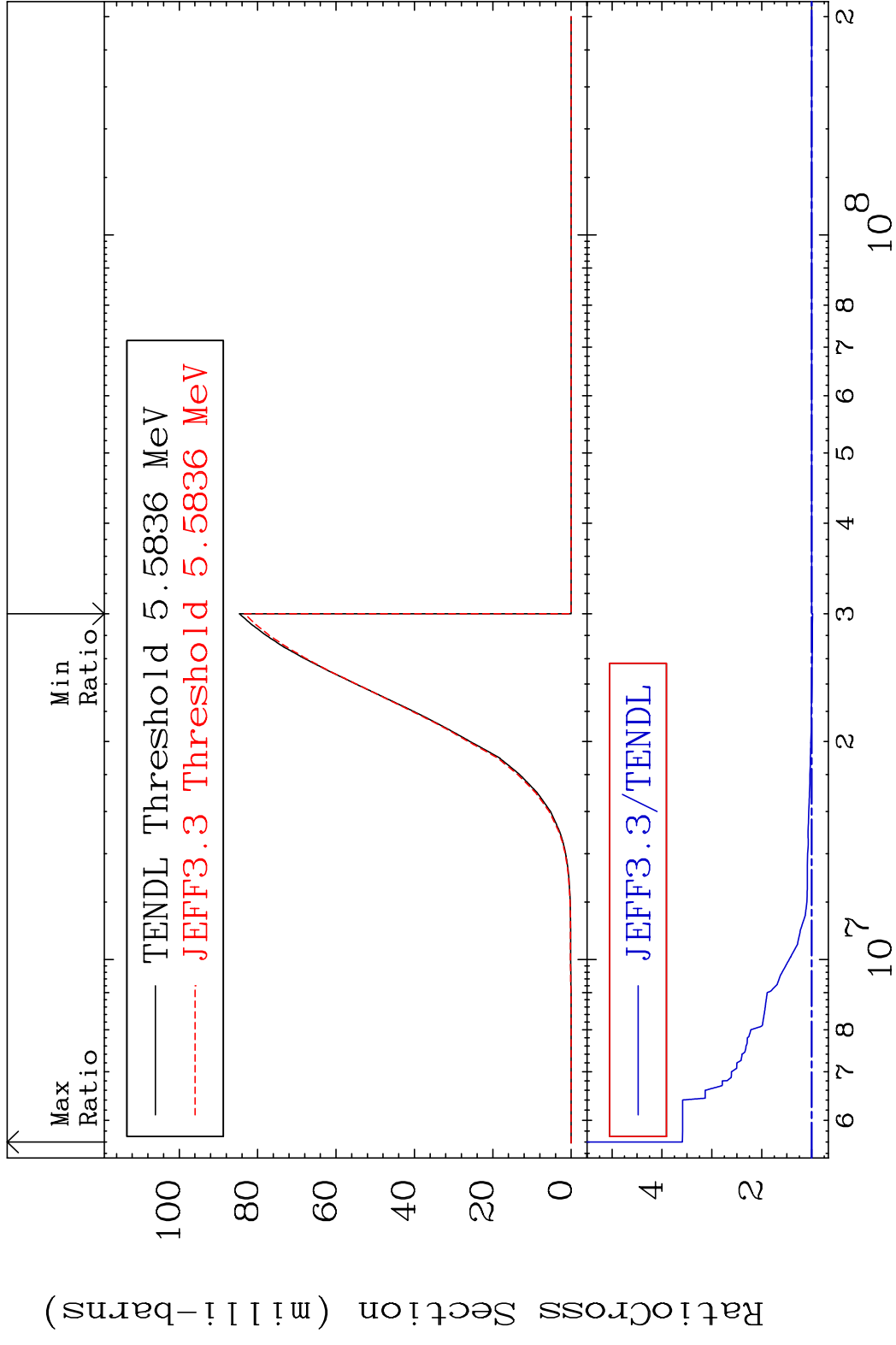
Cross Section -96.44 To 9999. %



MAT 5722

(n, n') p 57-La-137

Cross Section -1.531 To 259.2 %



10

Incident Energy (eV)

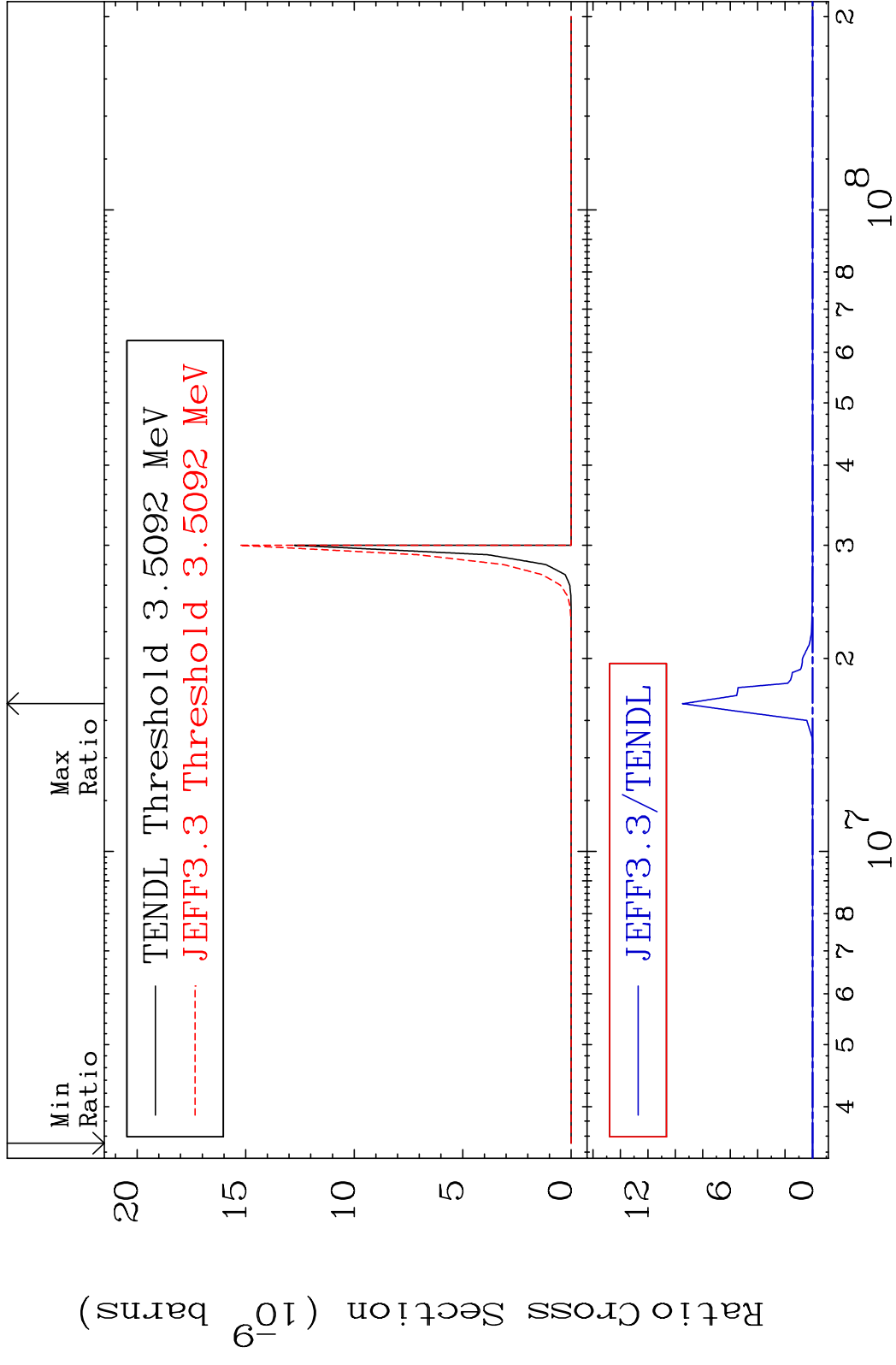
57-La-137

MAT 5722

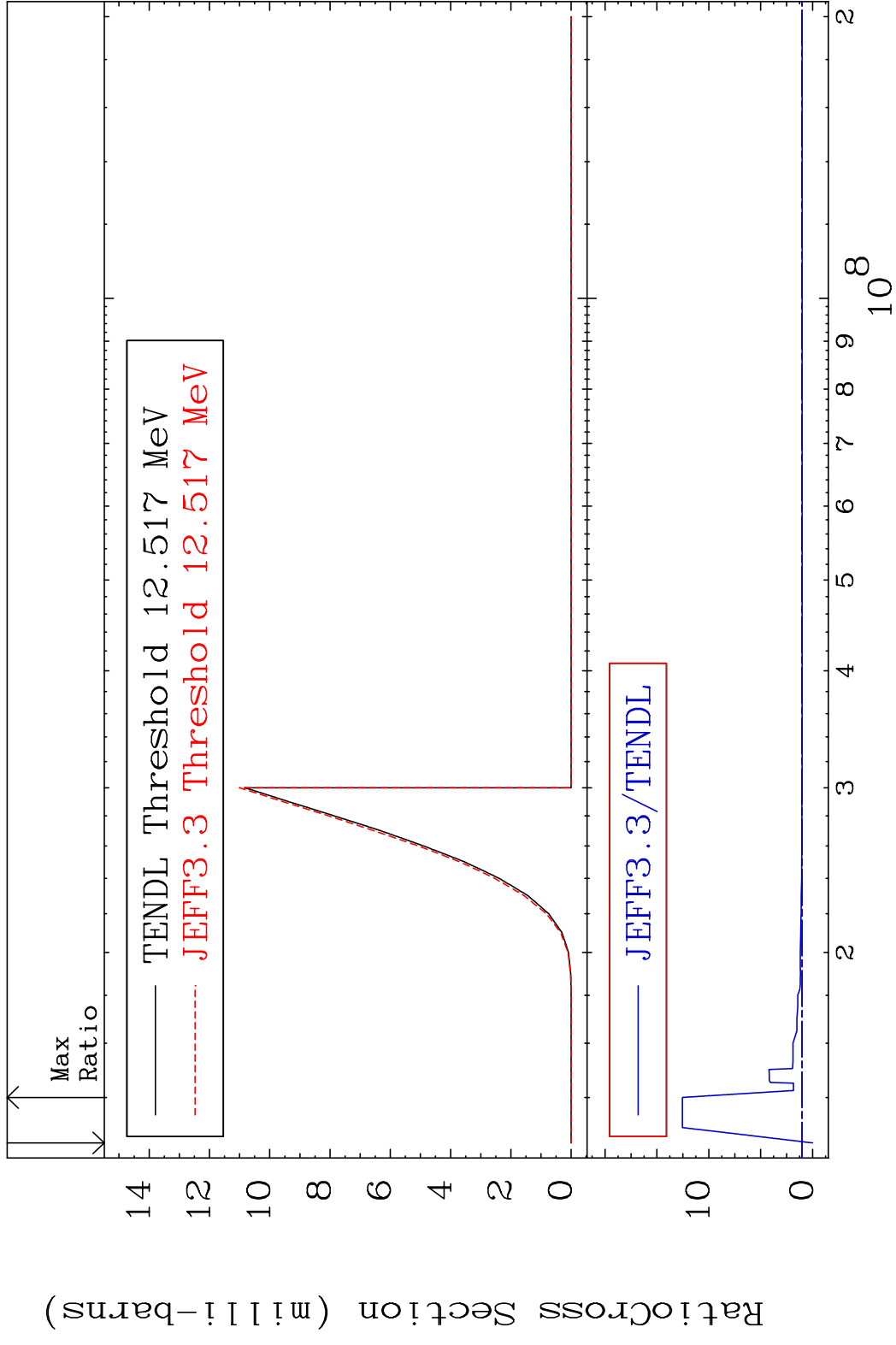
(n, n') 2α

57-La-137

Cross Section -100.0 To 9999. %



MAT 5722 (n, n') d 57-La-137
 Cross Section -100.0 To 1155. %

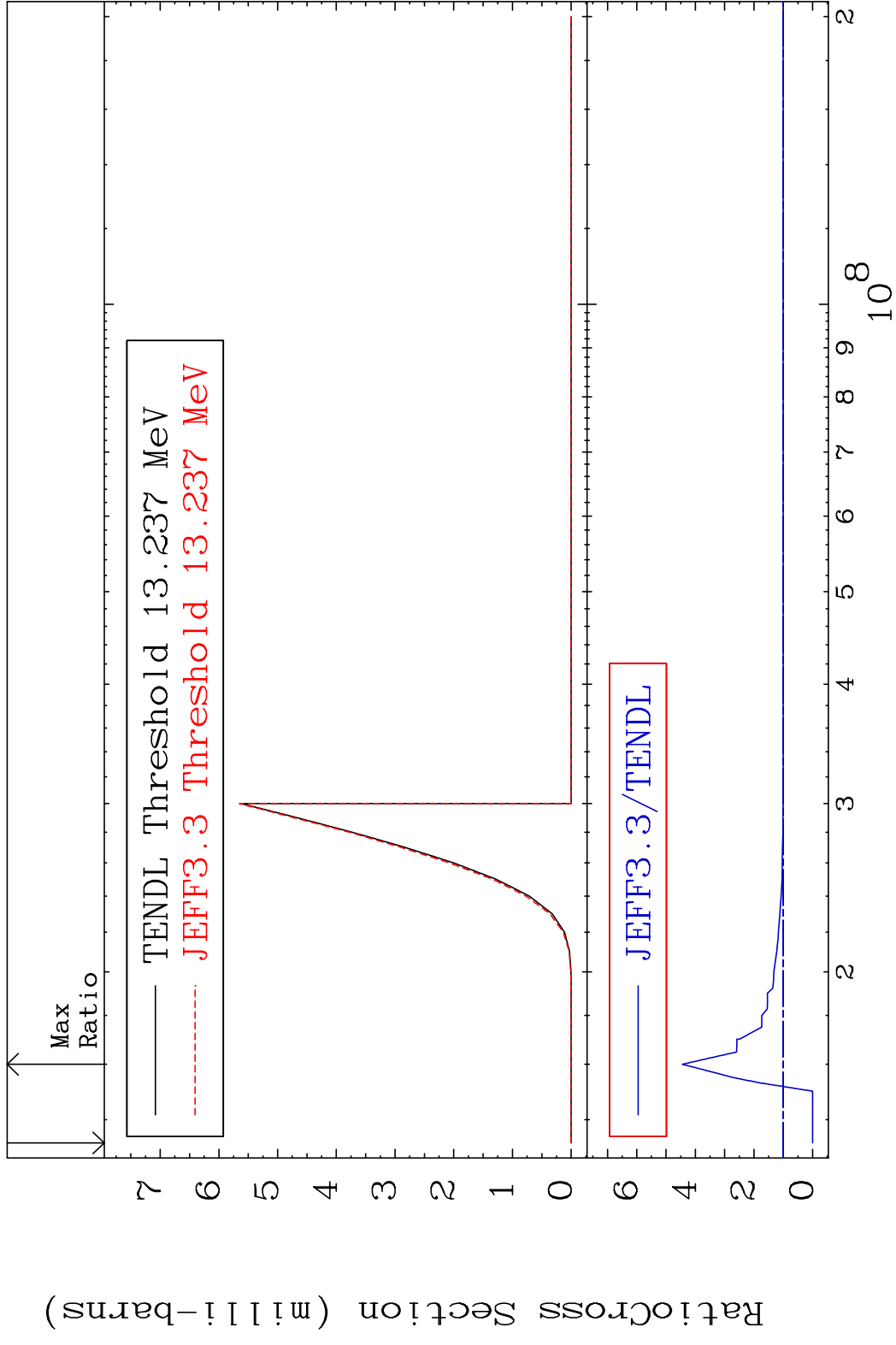


MAT 5722

(n, n') t

57-La-137

Cross Section -100.0 To 344.4 %

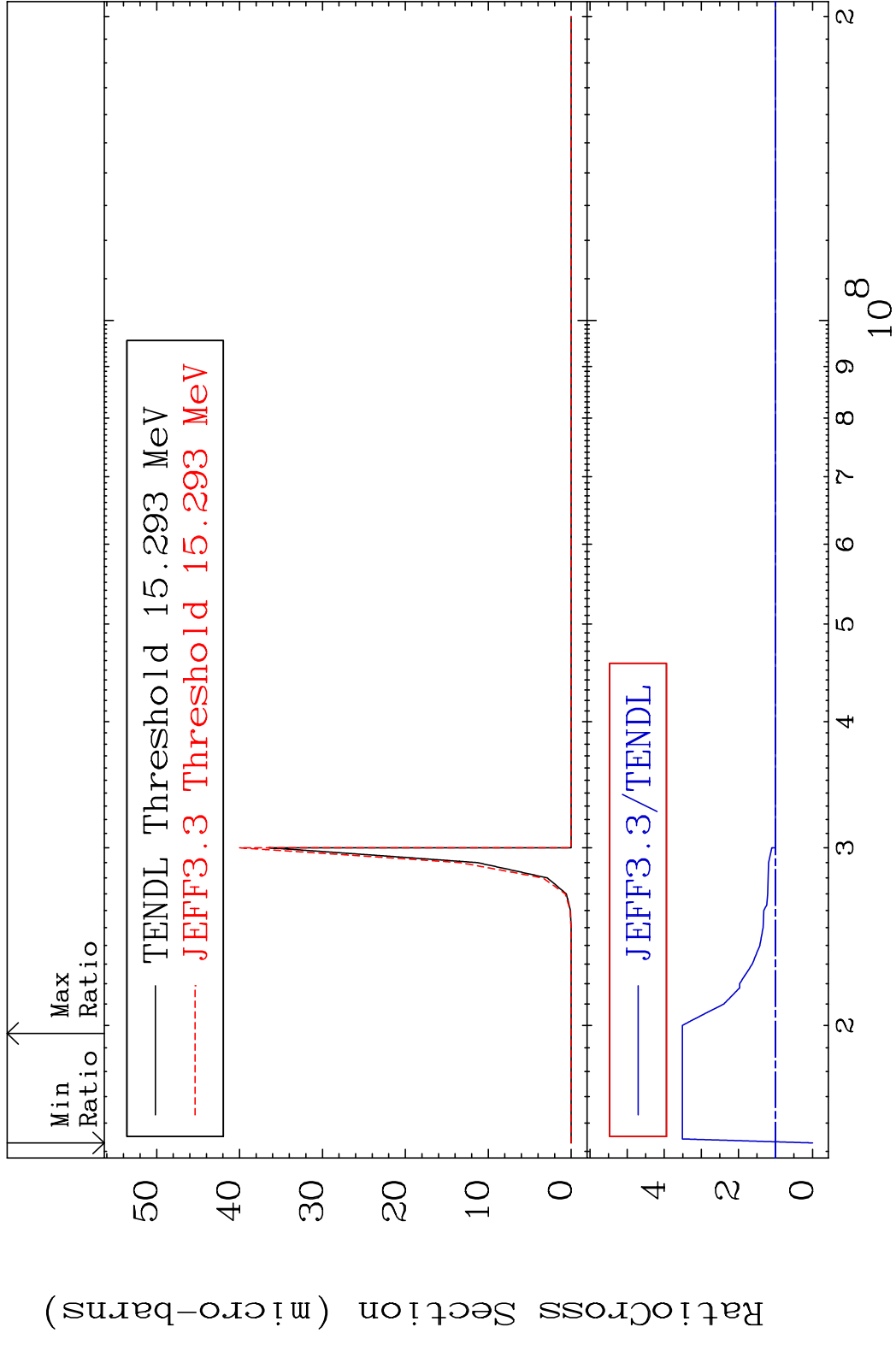


MAT 5722

(n,n') He-3

57-La-137

Cross Section -100.0 To 251.1 %

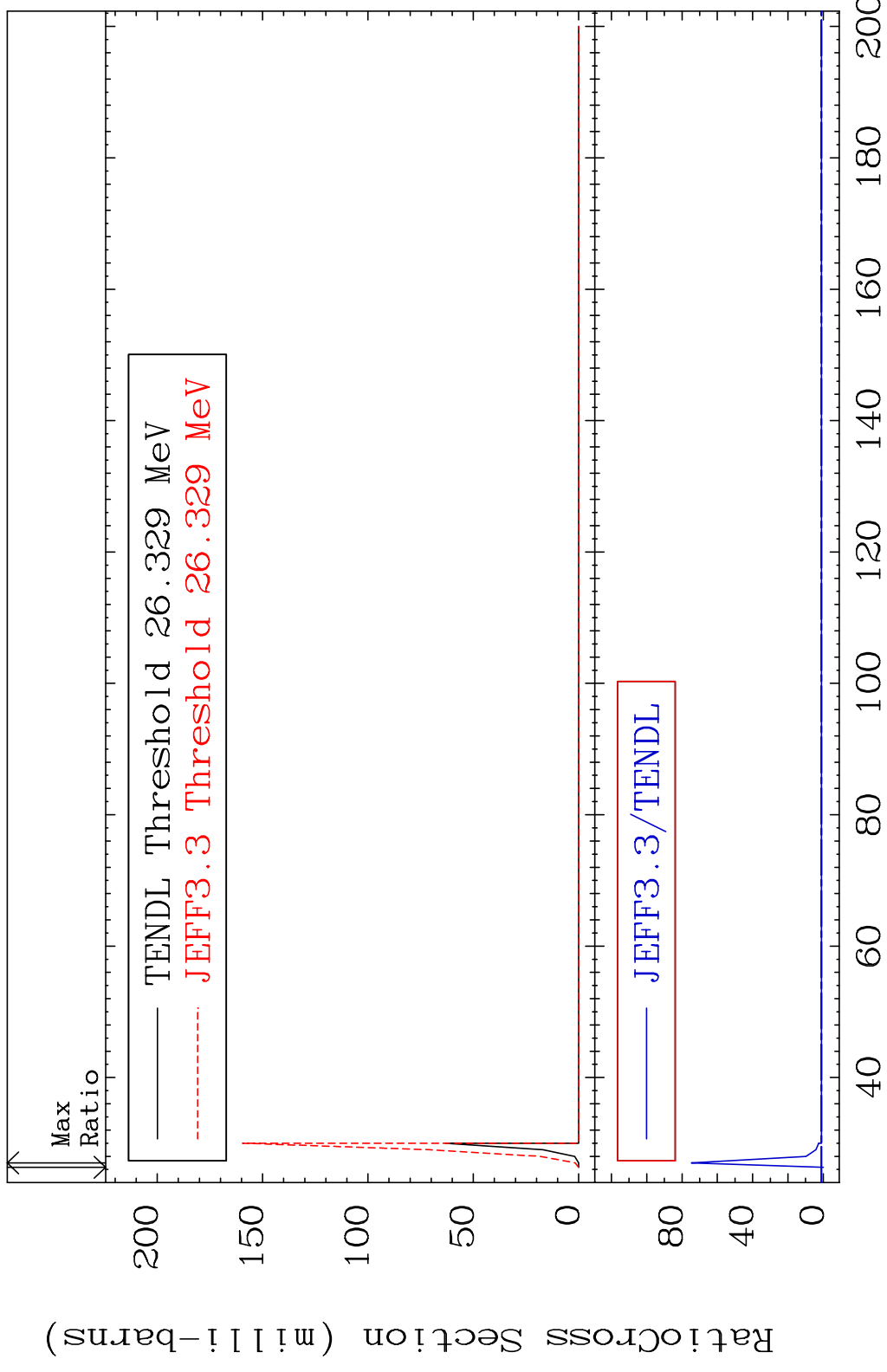


MAT 5722

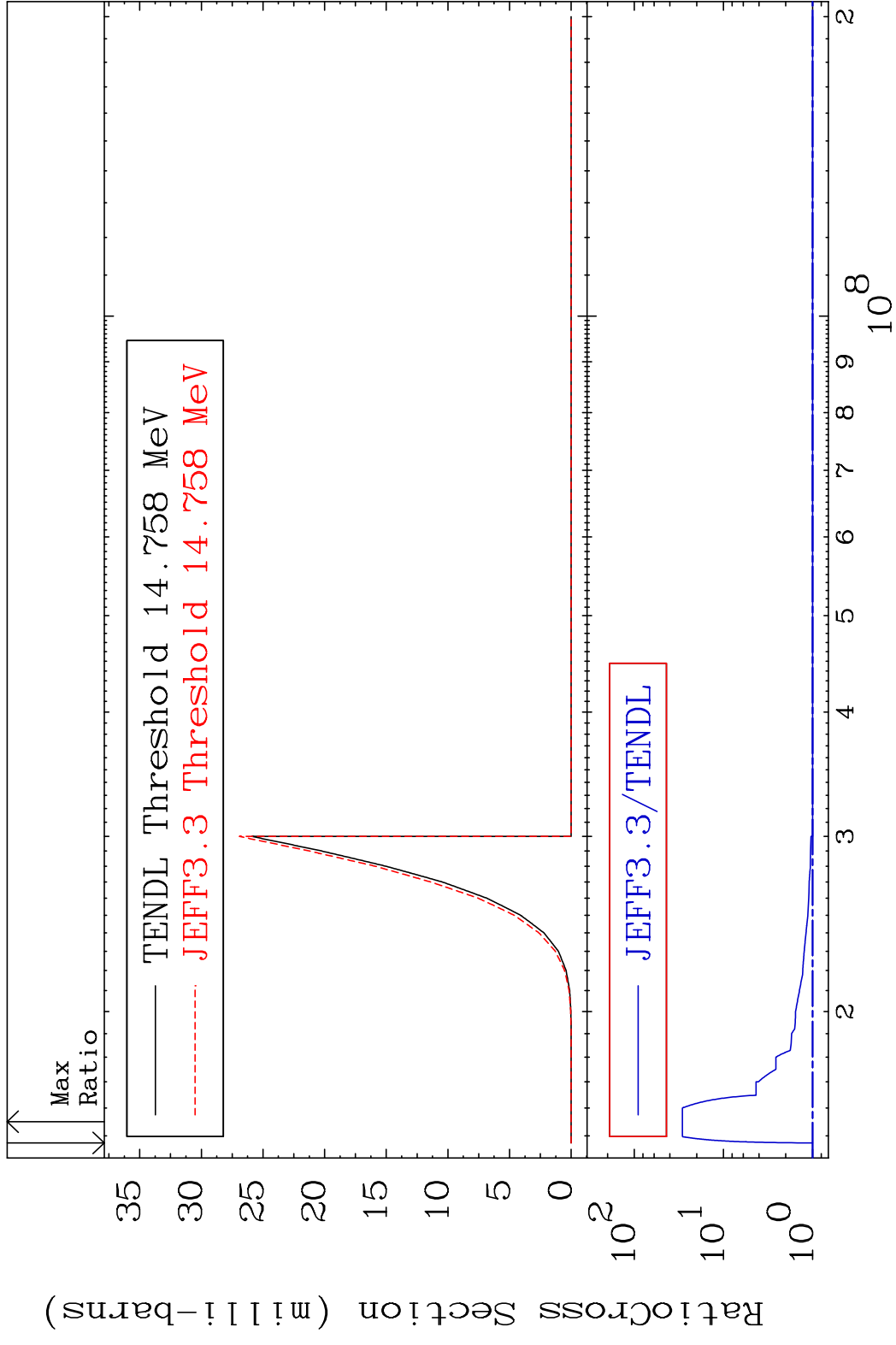
(n,4n)

57-La-137

Cross Section -100.0 To 7373. %



MAT 5722 (n,2n) p 57-La-137
 Cross Section 0.000 To 2794. %



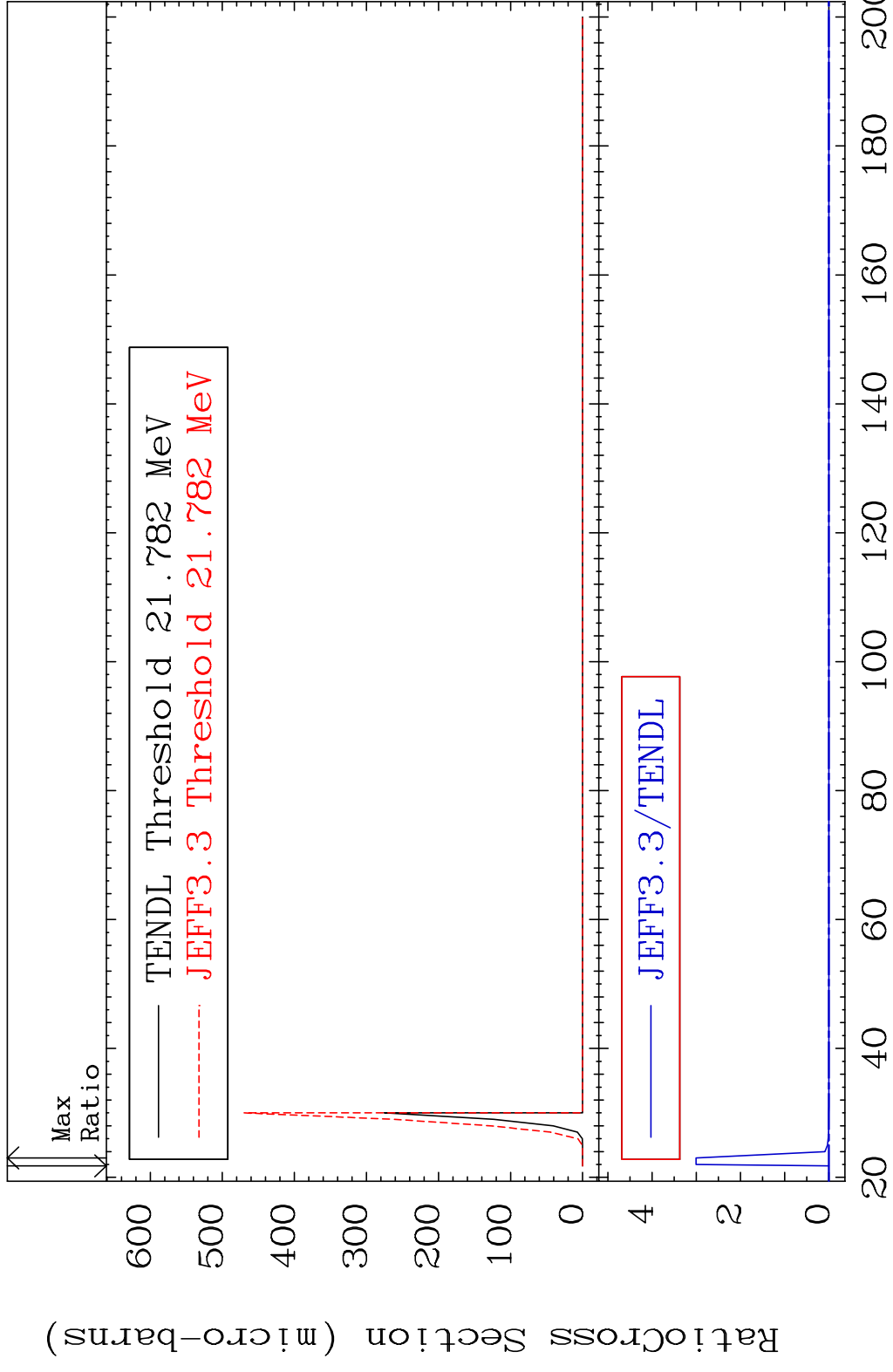
MAT 5722

(n,3n) p

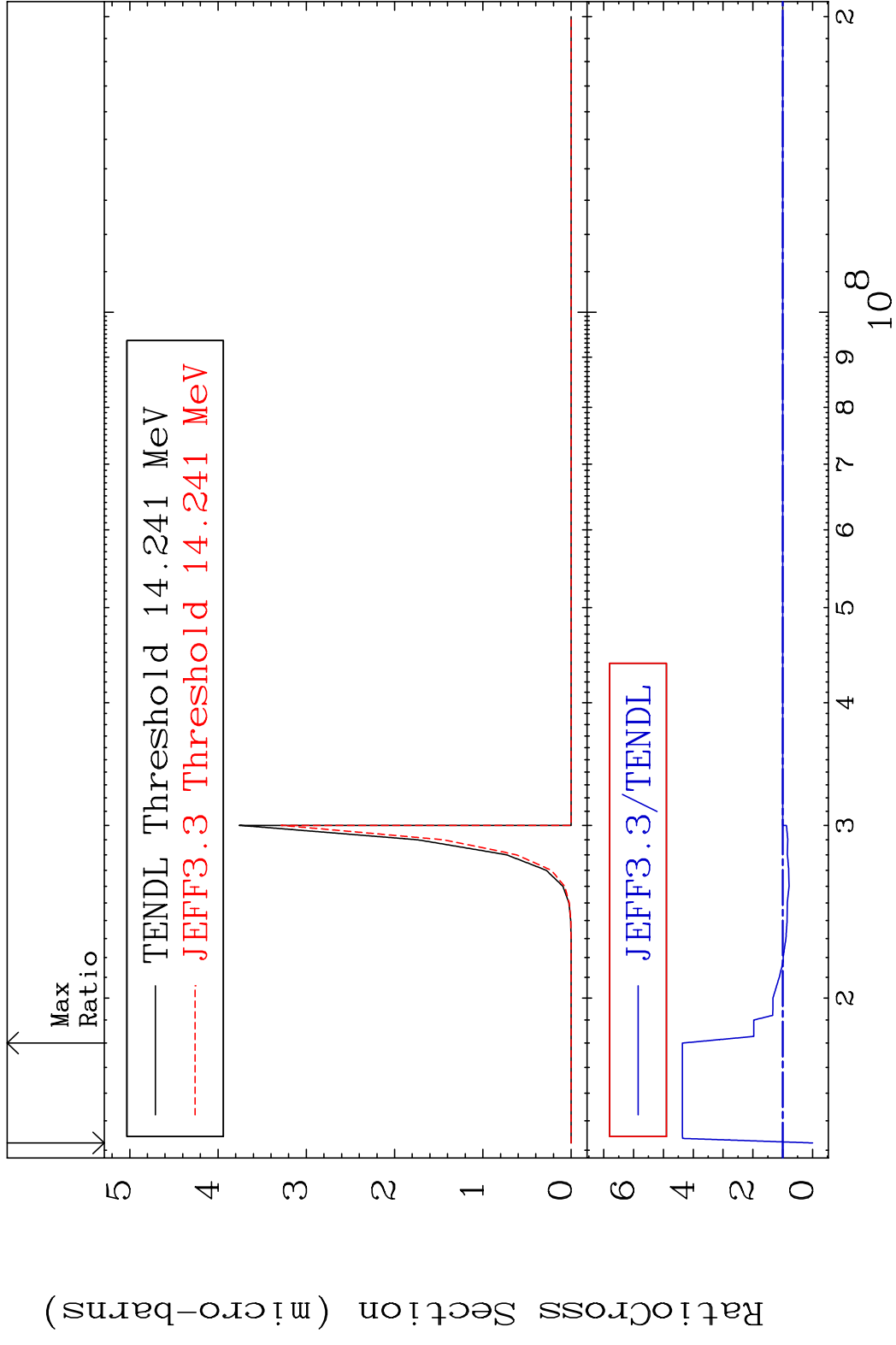
57-La-137

Cross Section

-100.0 To 9999. %



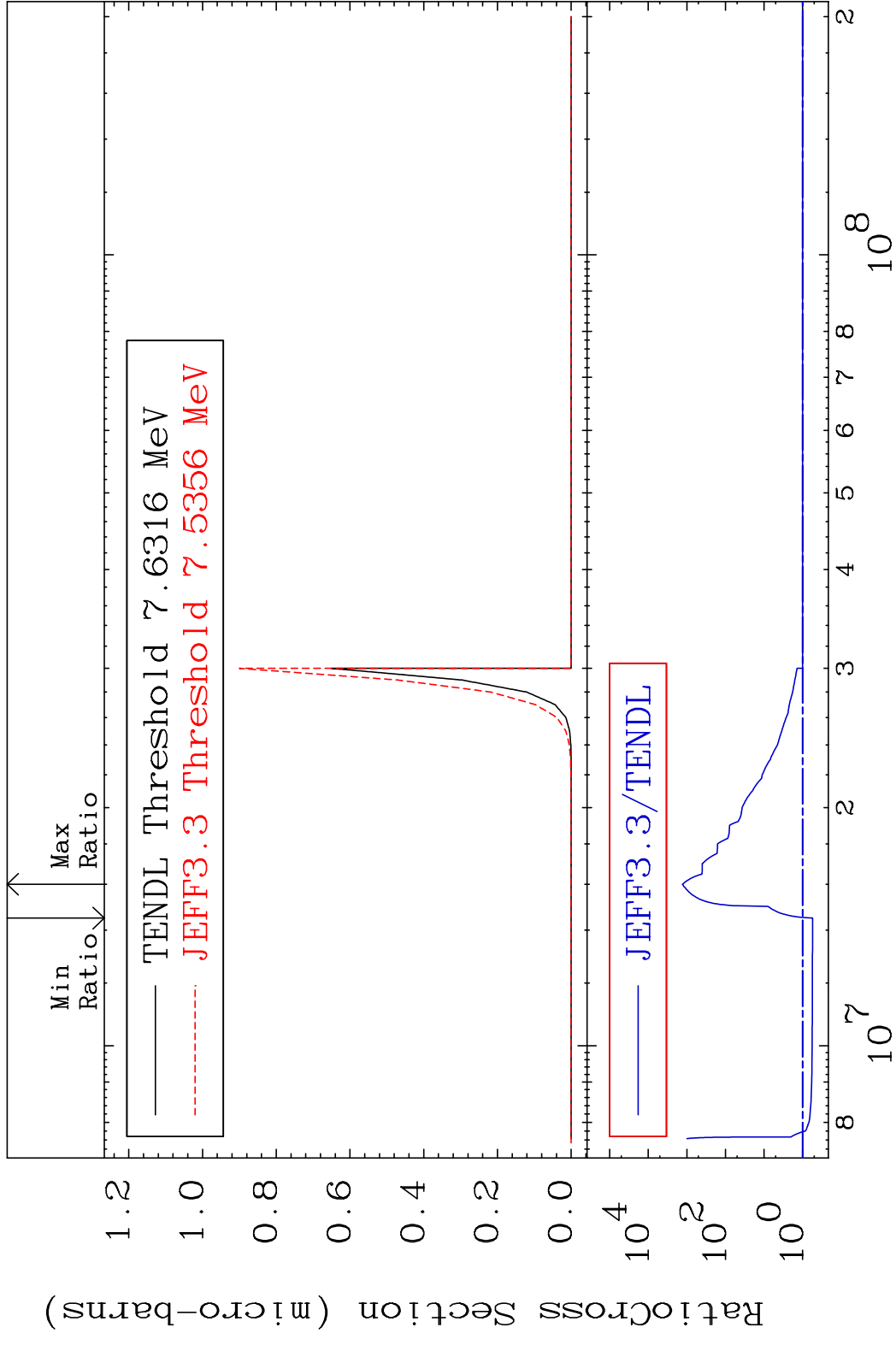
MAT 5722 (n,2n) p 57-La-137
 Cross Section -100.0 To 336.5 %



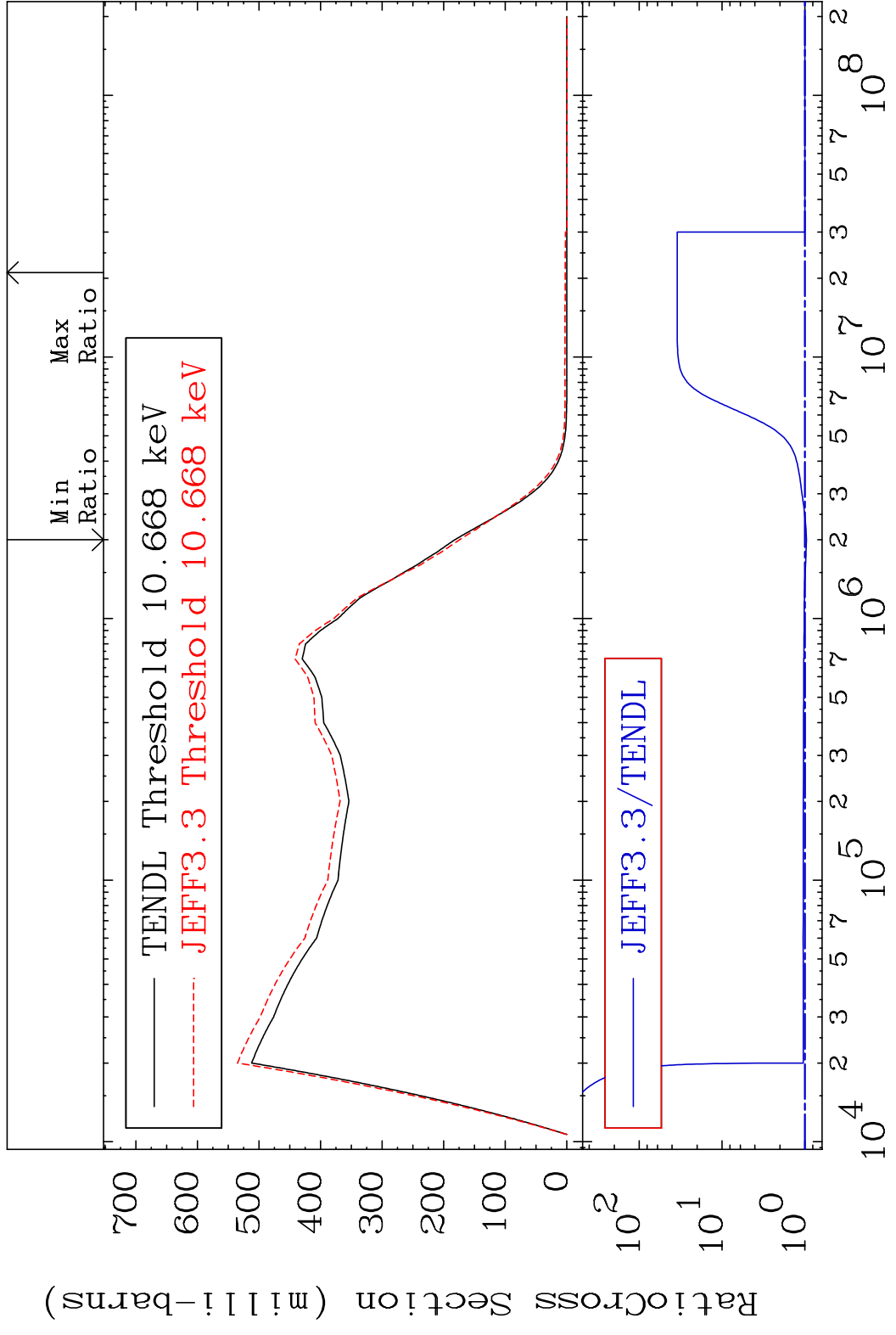
MAT 5722

(n,n') p α 57-La-137

Cross Section -44.81 To 9999. %

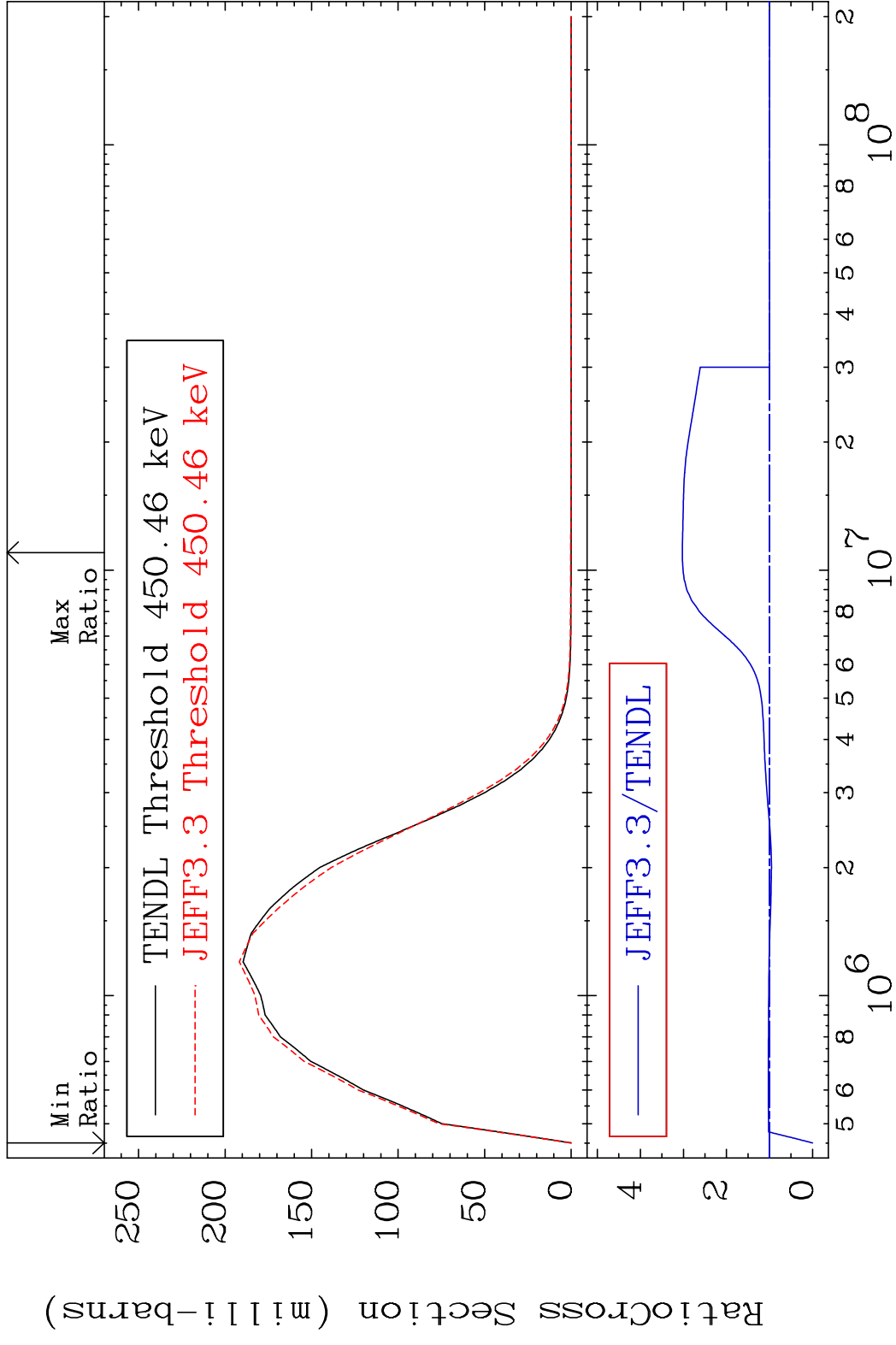


MAT 5722 MT= 51 (n, n') Level 57-La-137
 Cross Section -4.324 To 3373. %

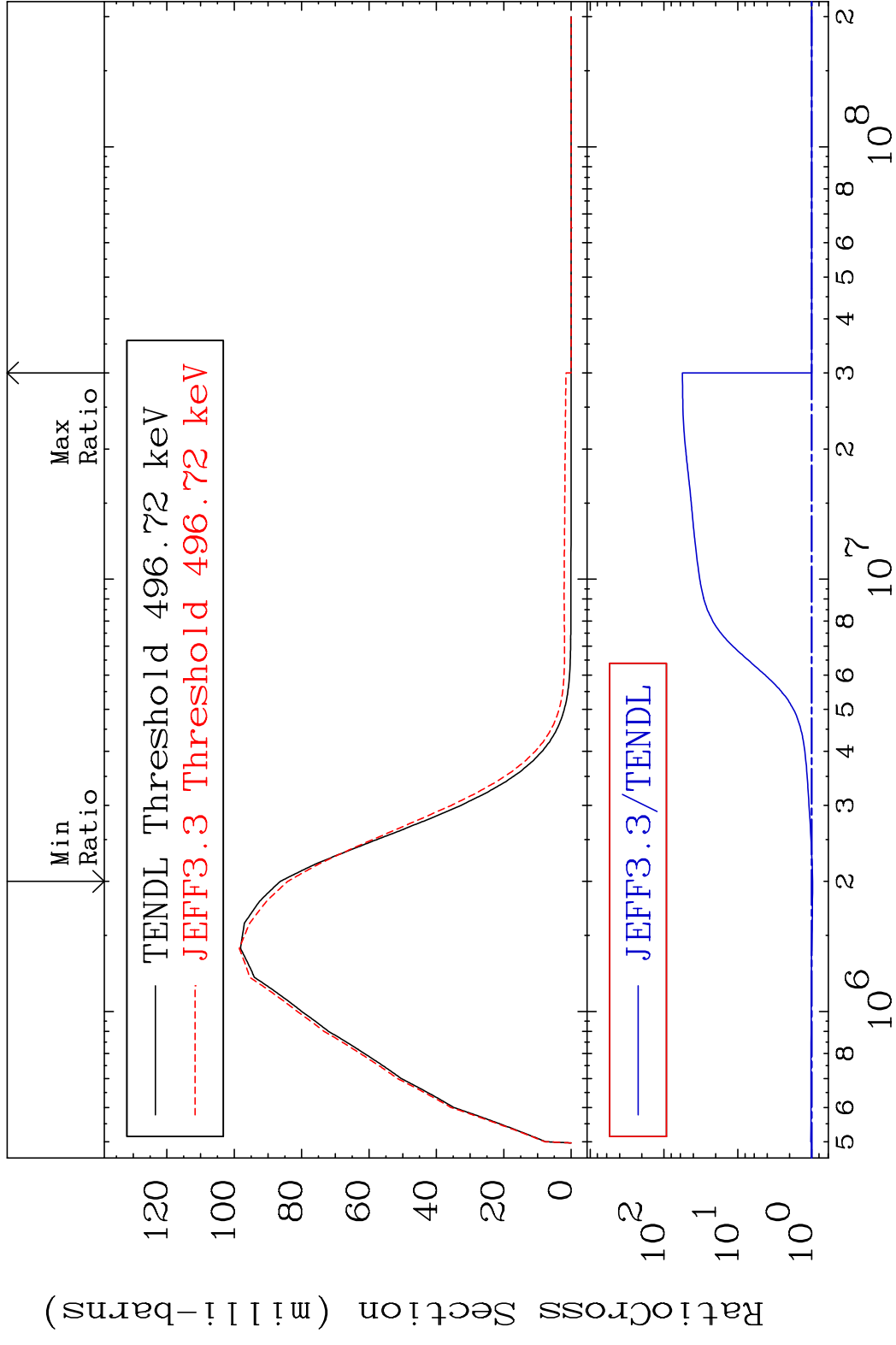


20 Incident Energy (eV) 57-La-137

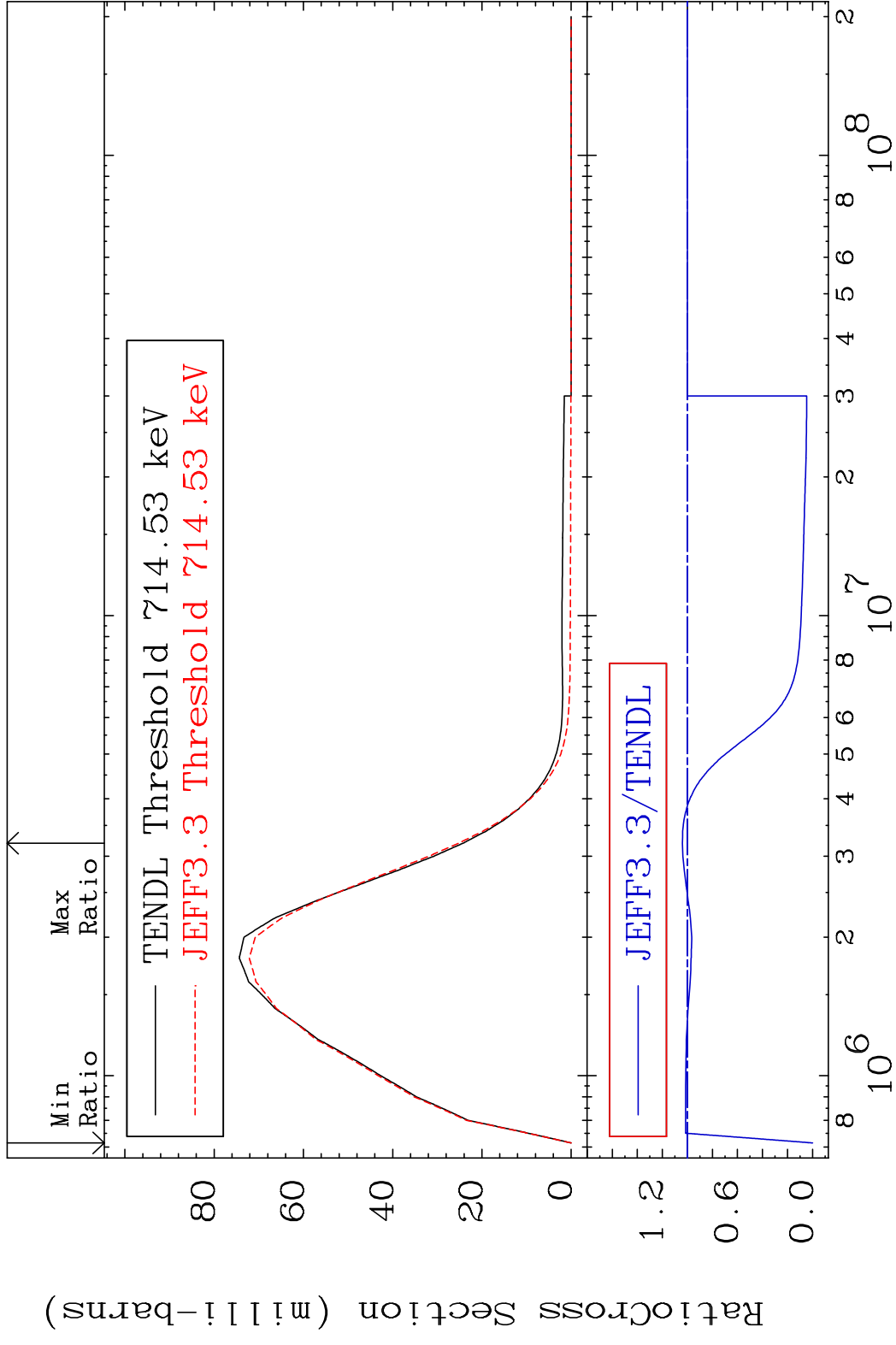
MAT 5722 MT= 52 (n, n') Level 57-La-137
 Cross Section -100.0 To 202.5 %



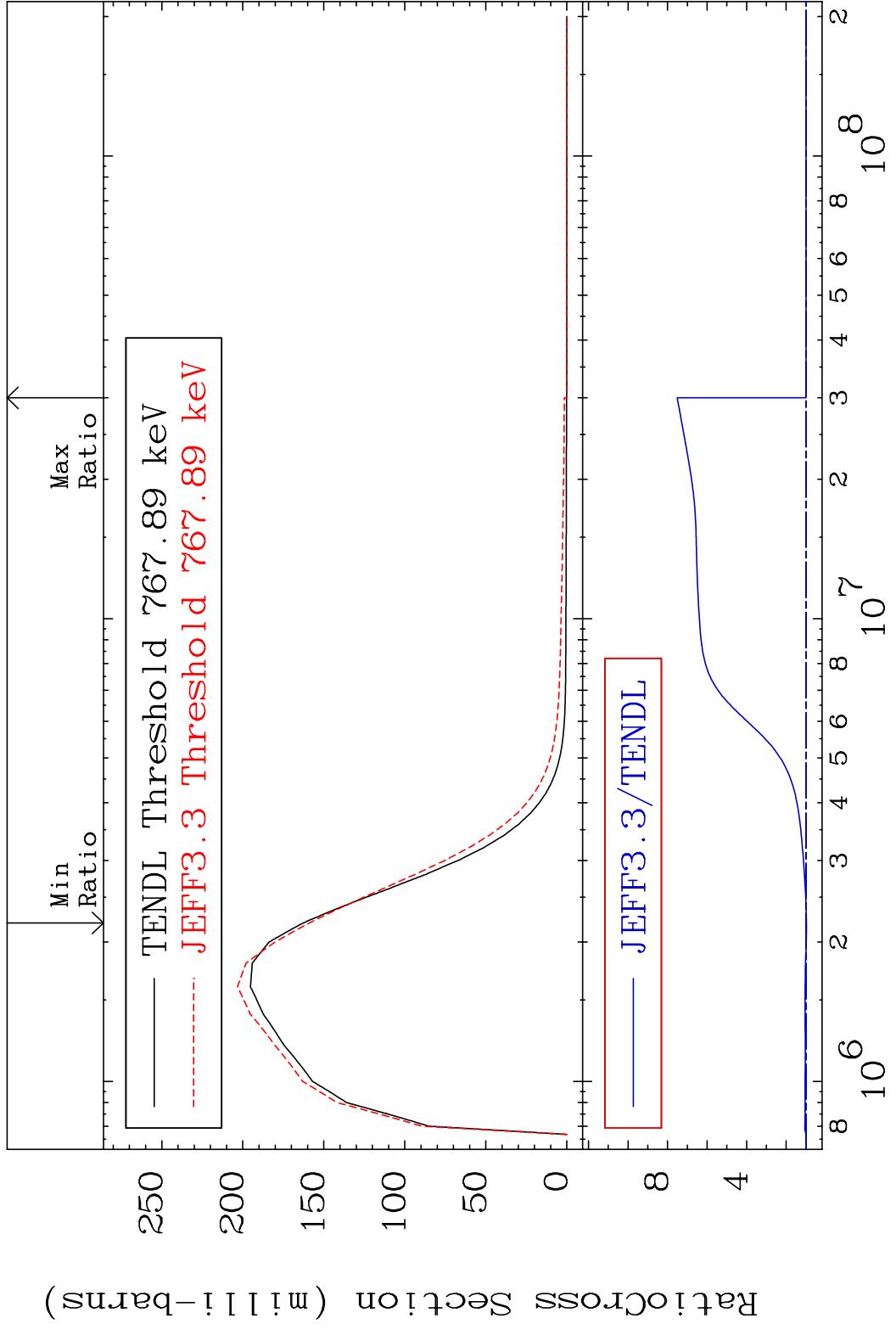
MAT 5722 MT= 53 (n, n') Level 57-La-137
 Cross Section -2.565 To 5548. %



MAT 5722 MT= 55 (n,n') Level 57-La-137
 Cross Section -100.0 To 4.027 %



MAT 5722 MT= 56 (n, n') Level 57-La-137
 Cross Section -2.386 To 651.3 %

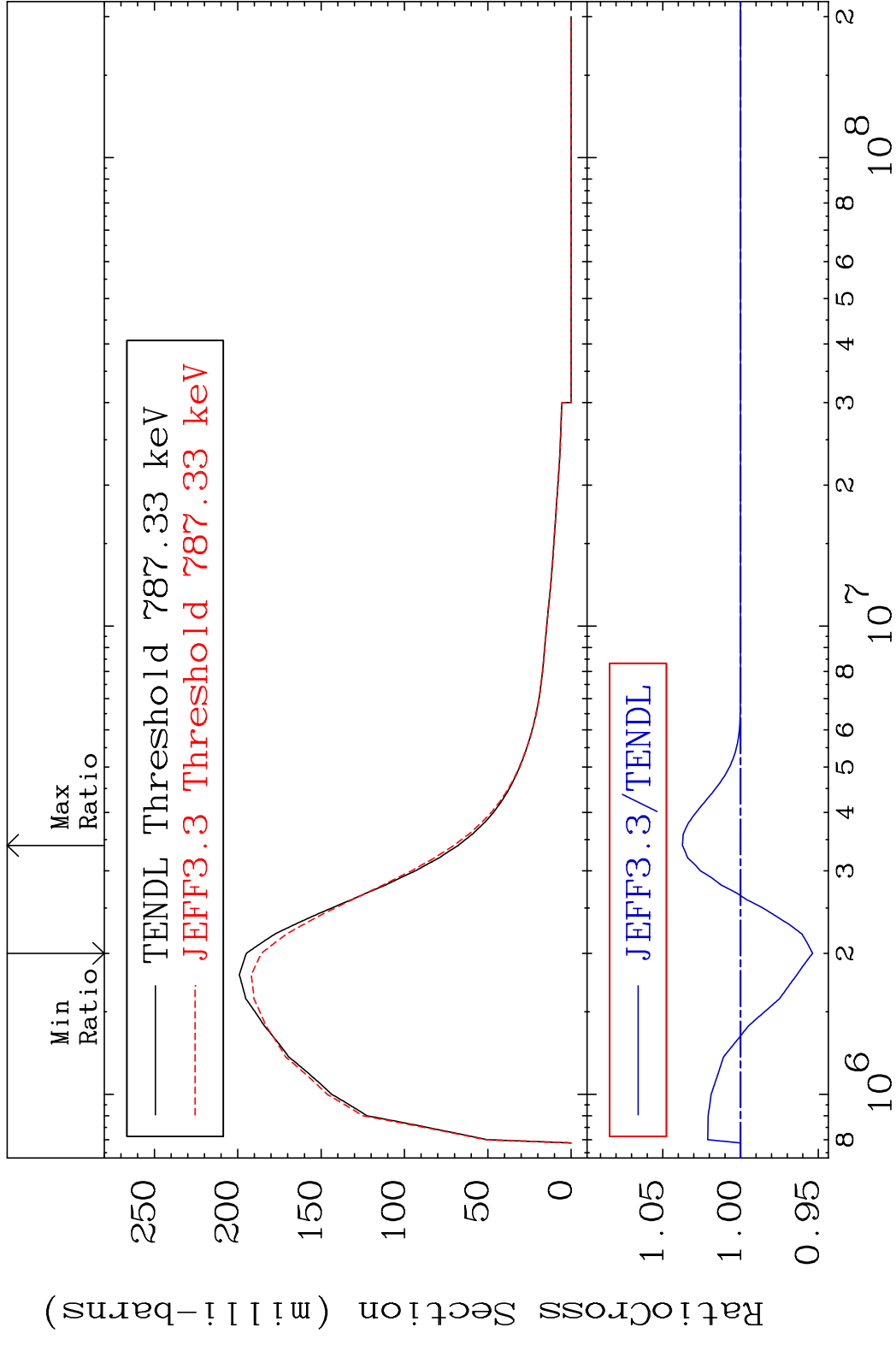


MAT 5722

MT= 57 (n,n') Level

57-La-137

Cross Section -4.631 To 3.739 %



26

Incident Energy (eV)

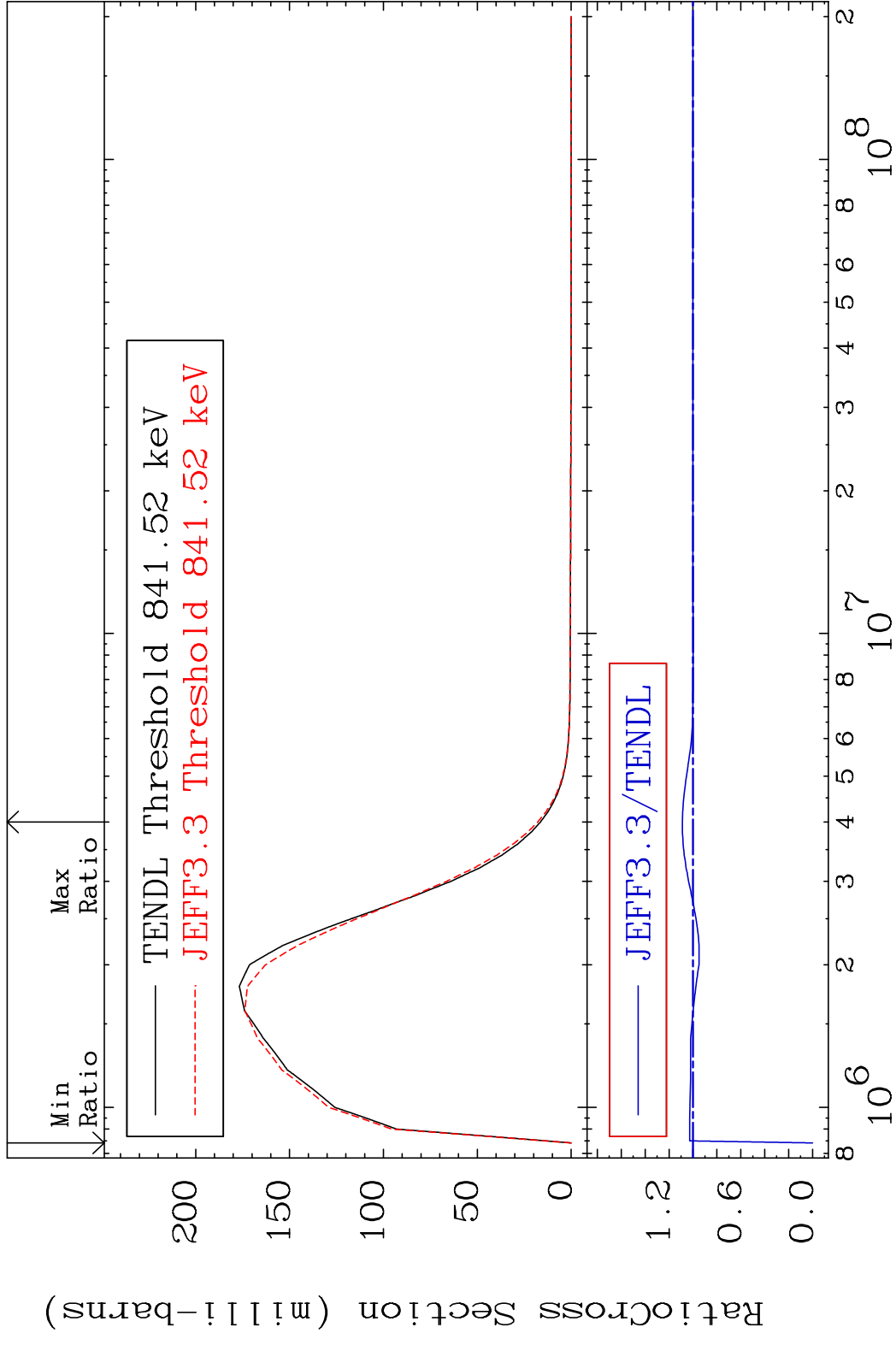
57-La-137

MAT 5722

MT= 58 (n, n') Level

57-La-137

Cross Section -100.0 To 8.897 %



27

Incident Energy (eV)

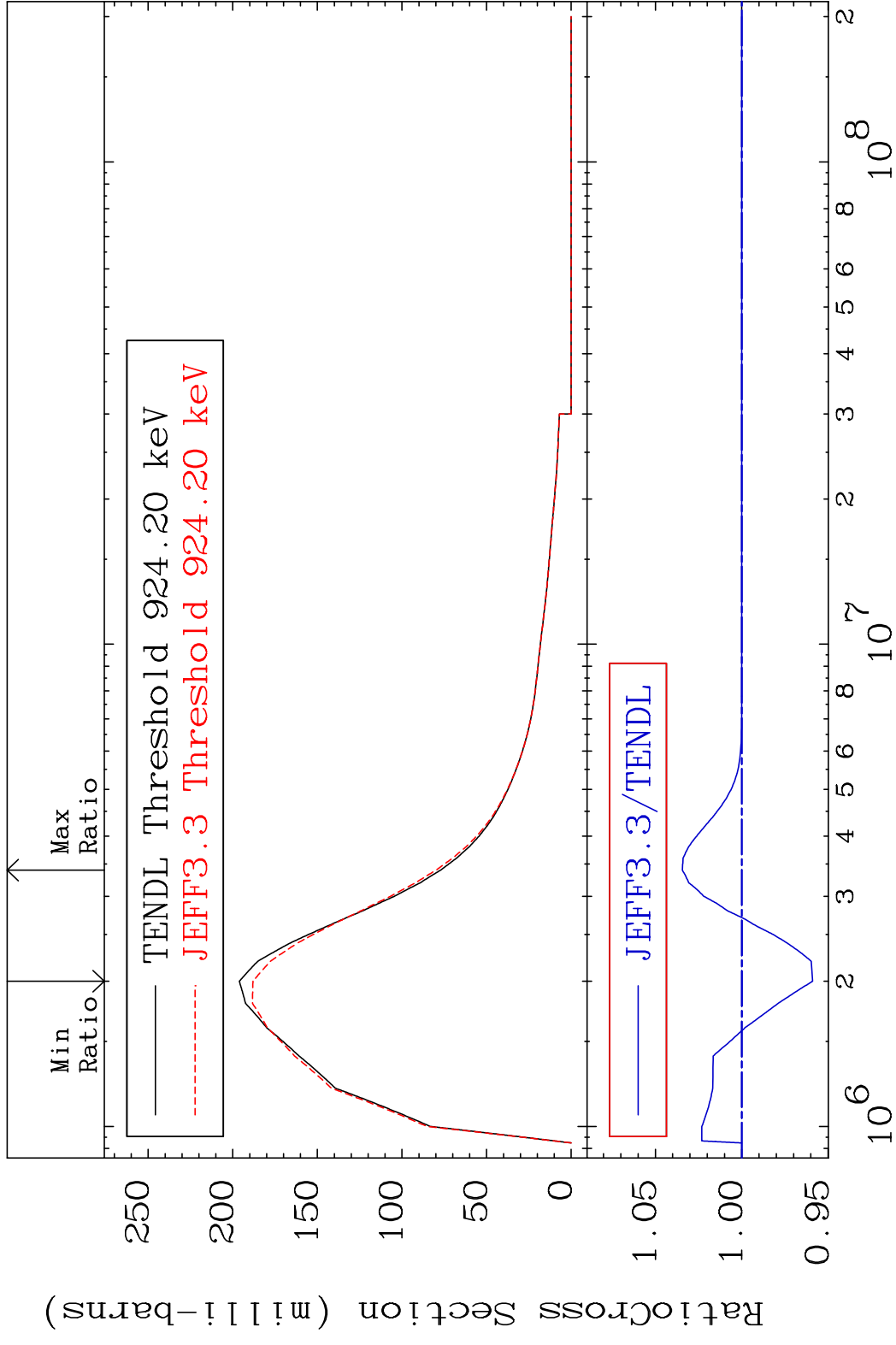
57-La-137

MAT 5722

MT= 59 (n,n') Level

57-La-137

Cross Section -4.100 To 3.439 %



28

Incident Energy (eV)

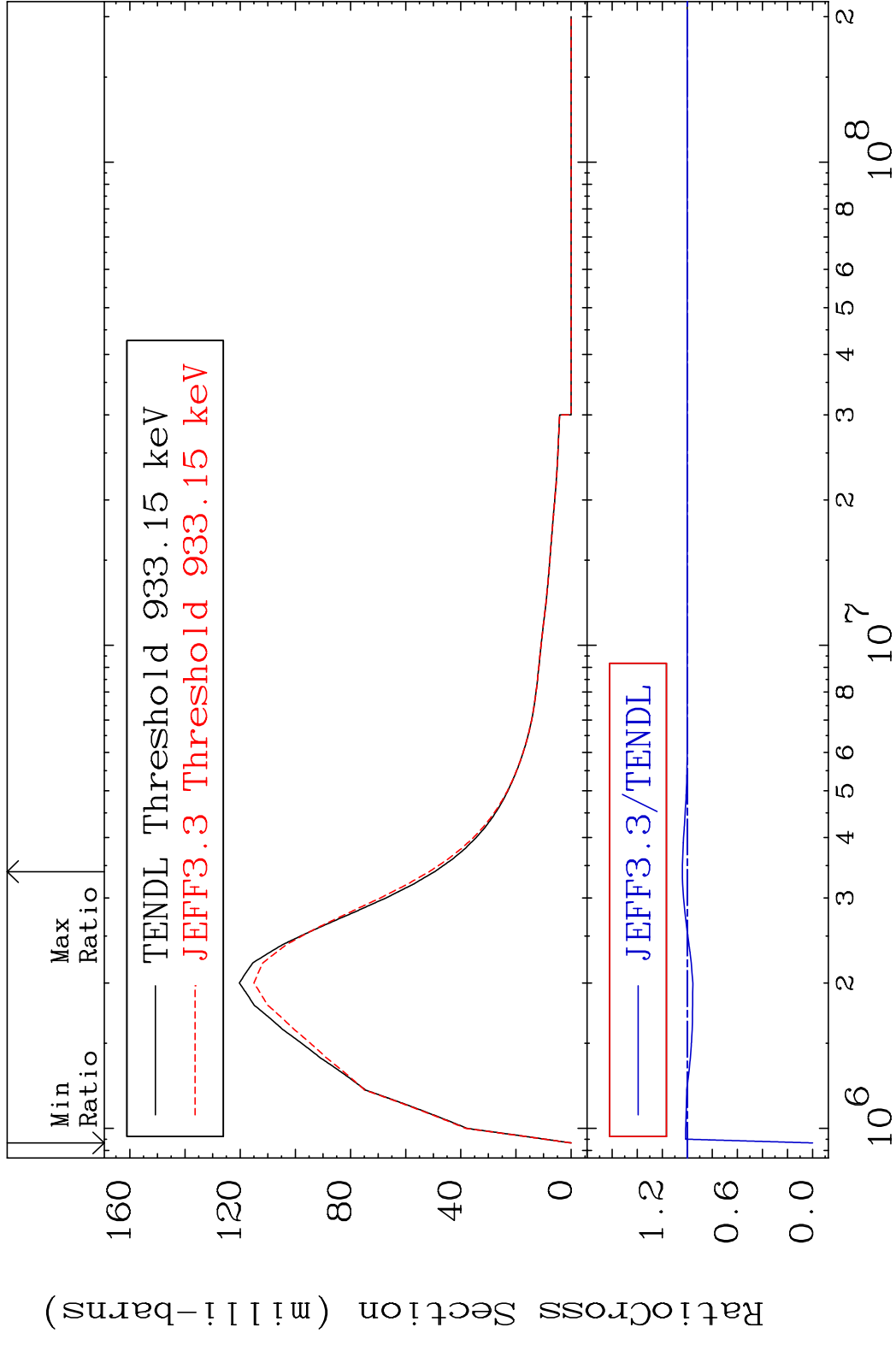
57-La-137

MAT 5722

MT= 60 (n, n') Level

57-La-137

Cross Section -100.0 To 3.934 %

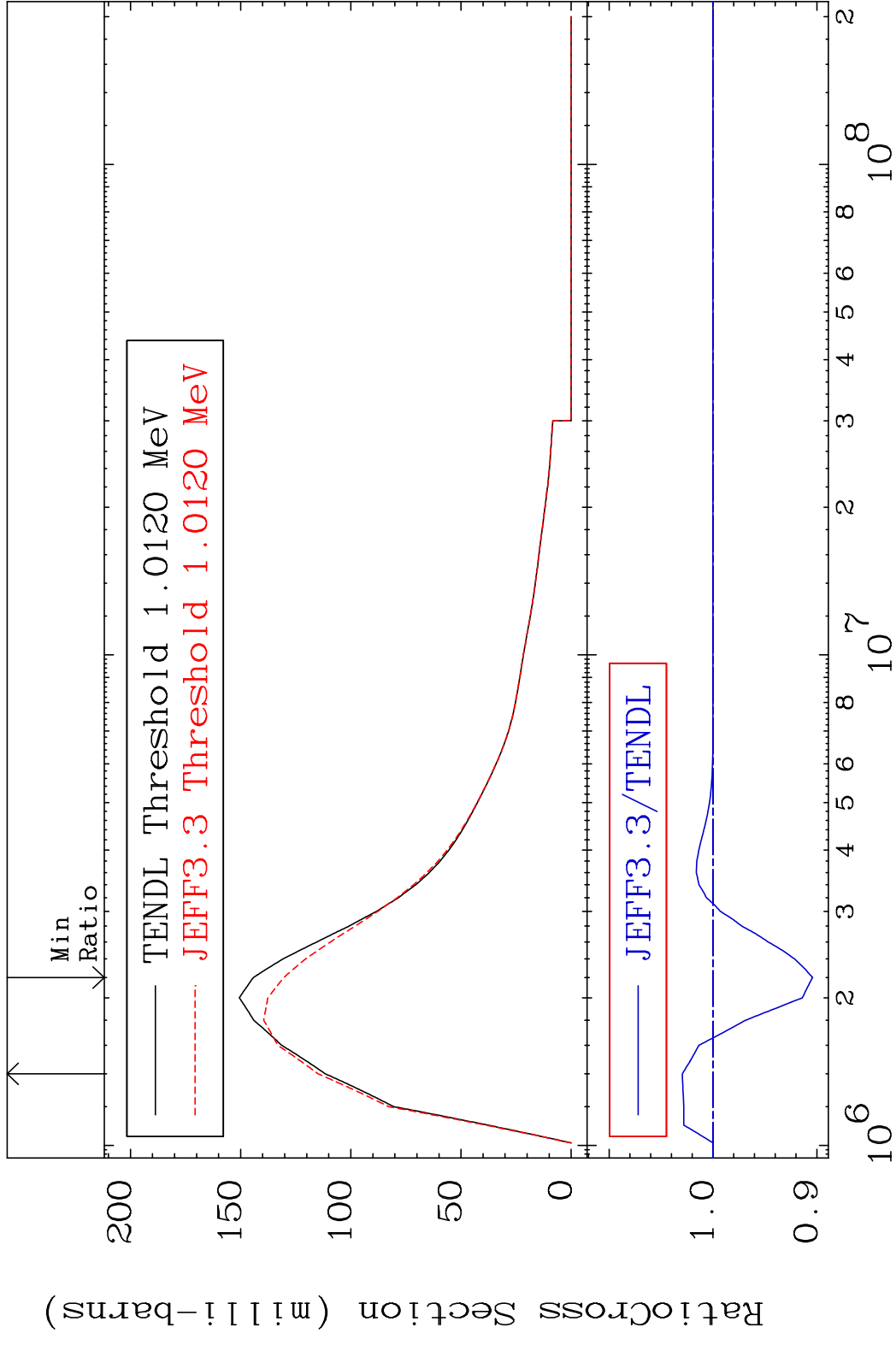


29

Incident Energy (eV)

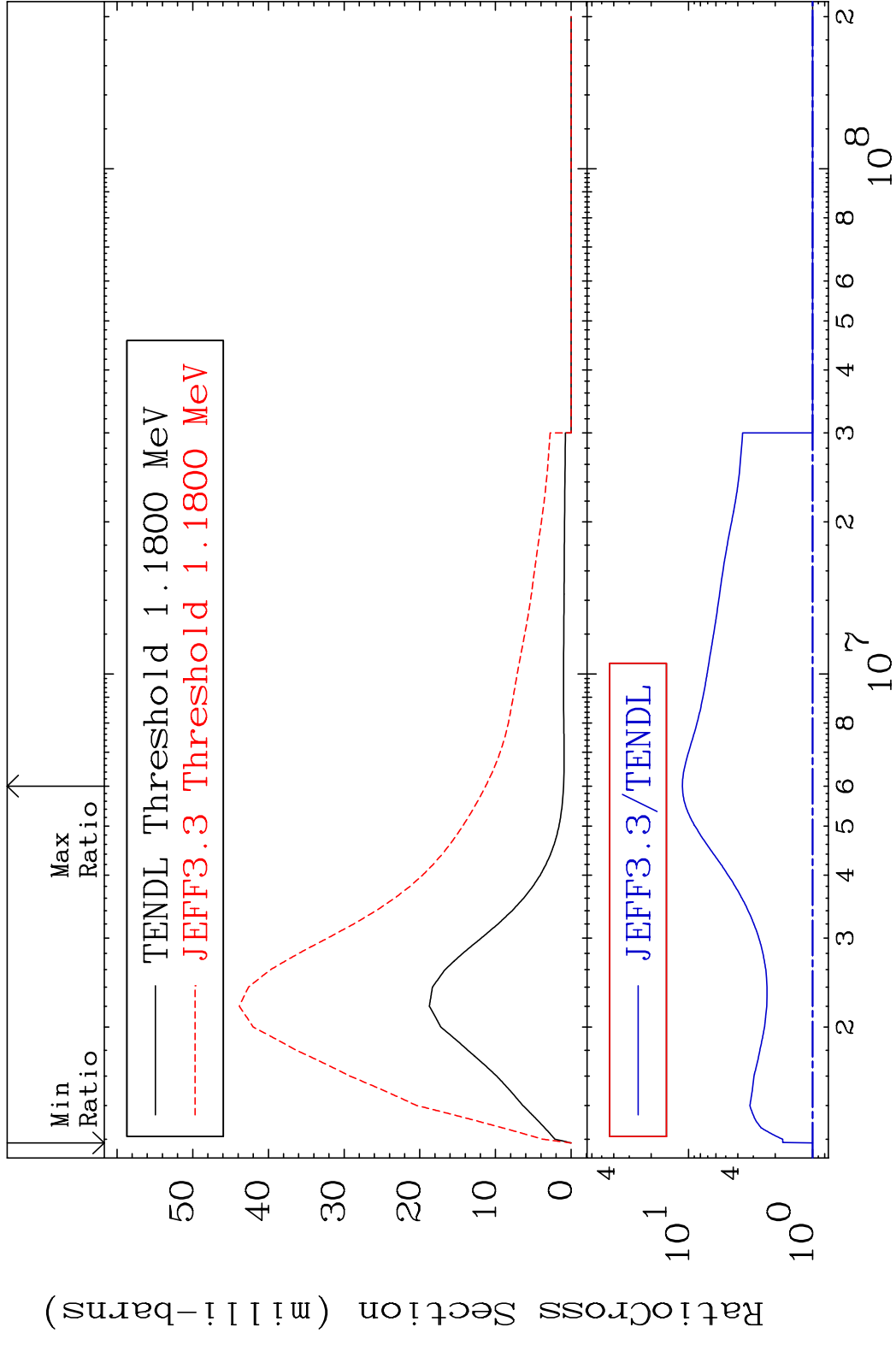
57-La-137

MAT 5722 MT= 61 (n,n') Level 57-La-137
 Cross Section -9.588 To 2.952 %

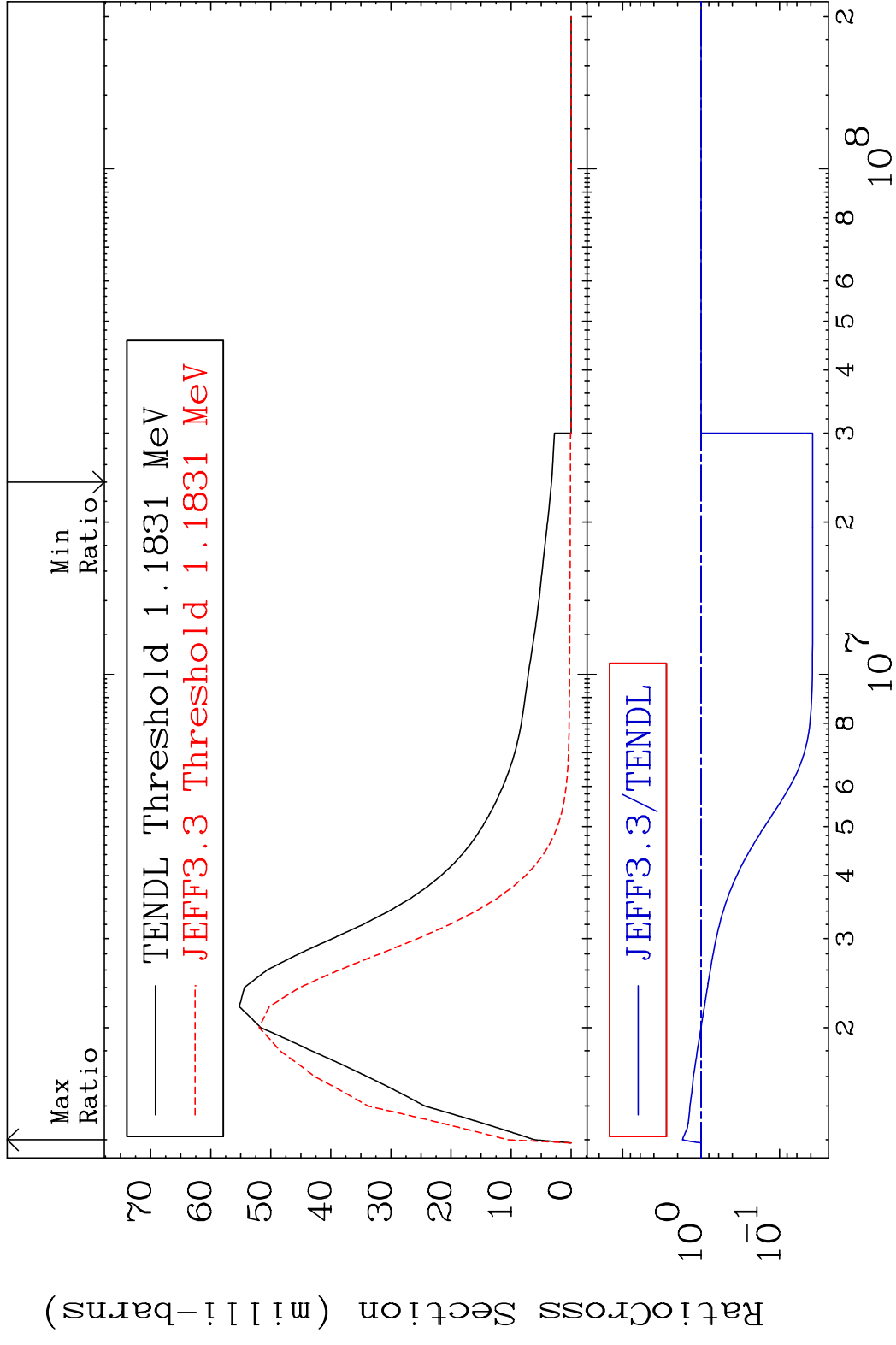


30 Incident Energy (eV) 57-La-137

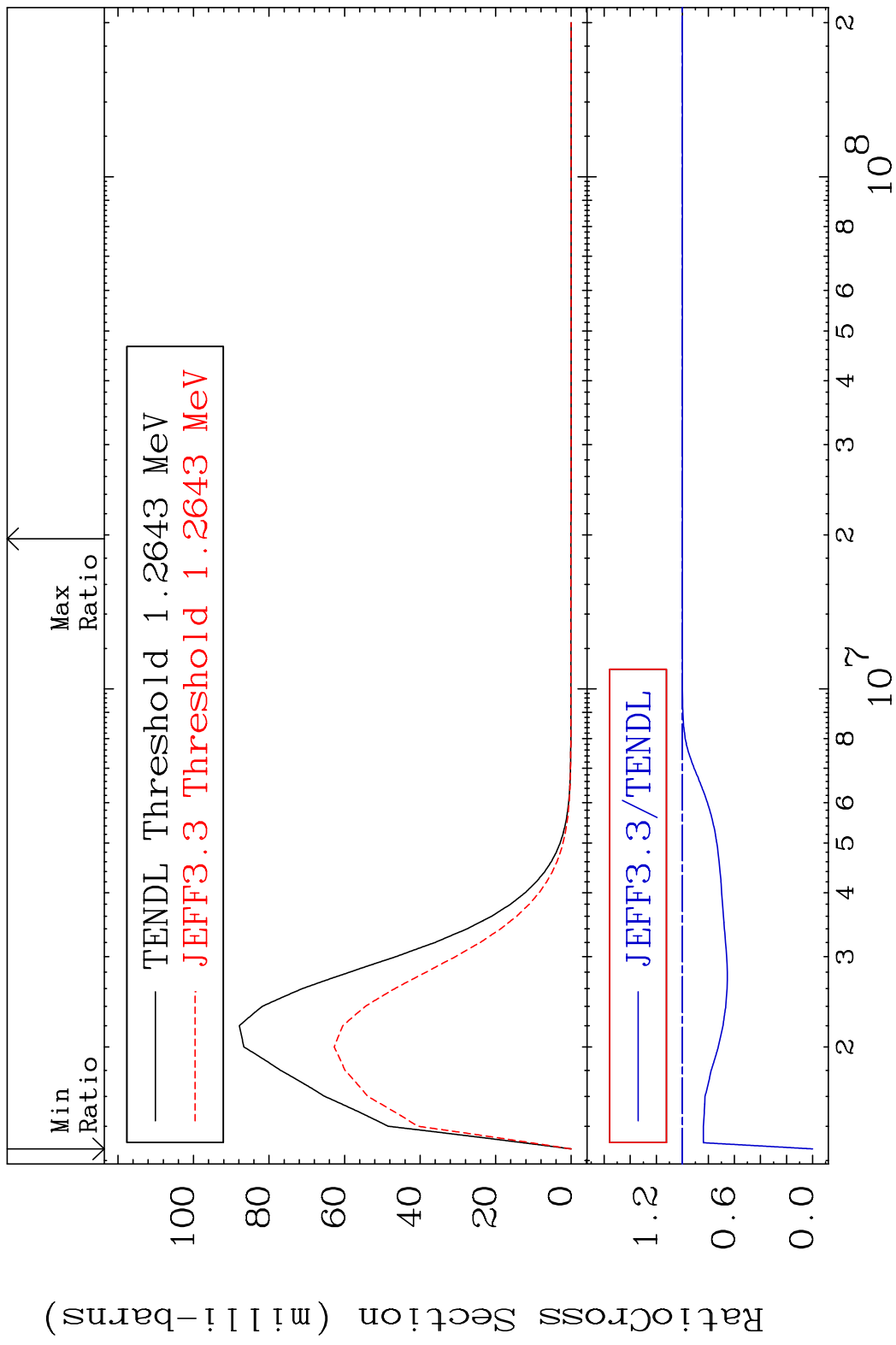
MAT 5722 MT= 62 (n,n') Level 57-La-137
 Cross Section 0.000 To 1020. %



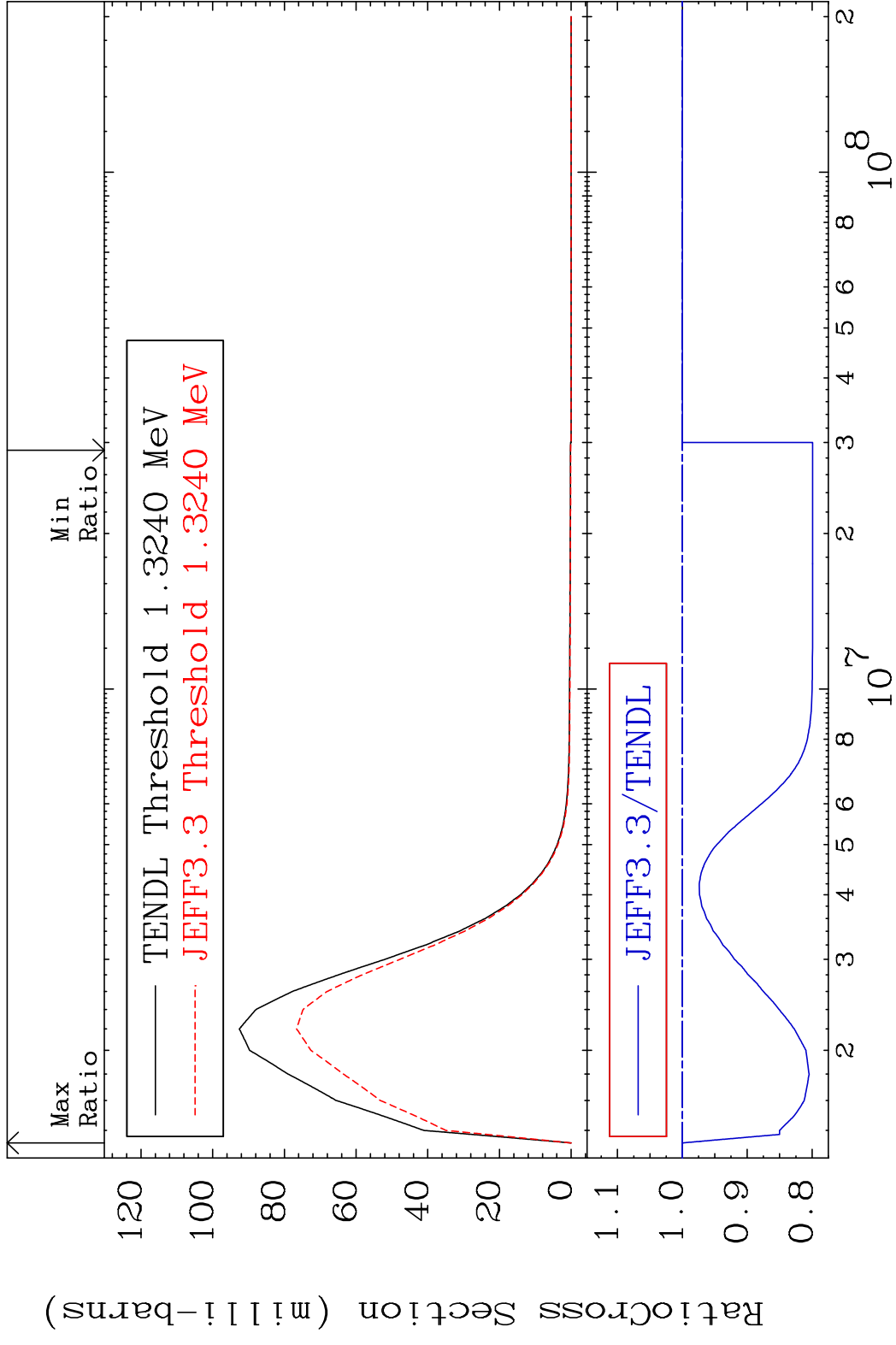
MAT 5722 MT= 63 (n, n') Level 57-La-137
 Cross Section -96.20 To 73.62 %



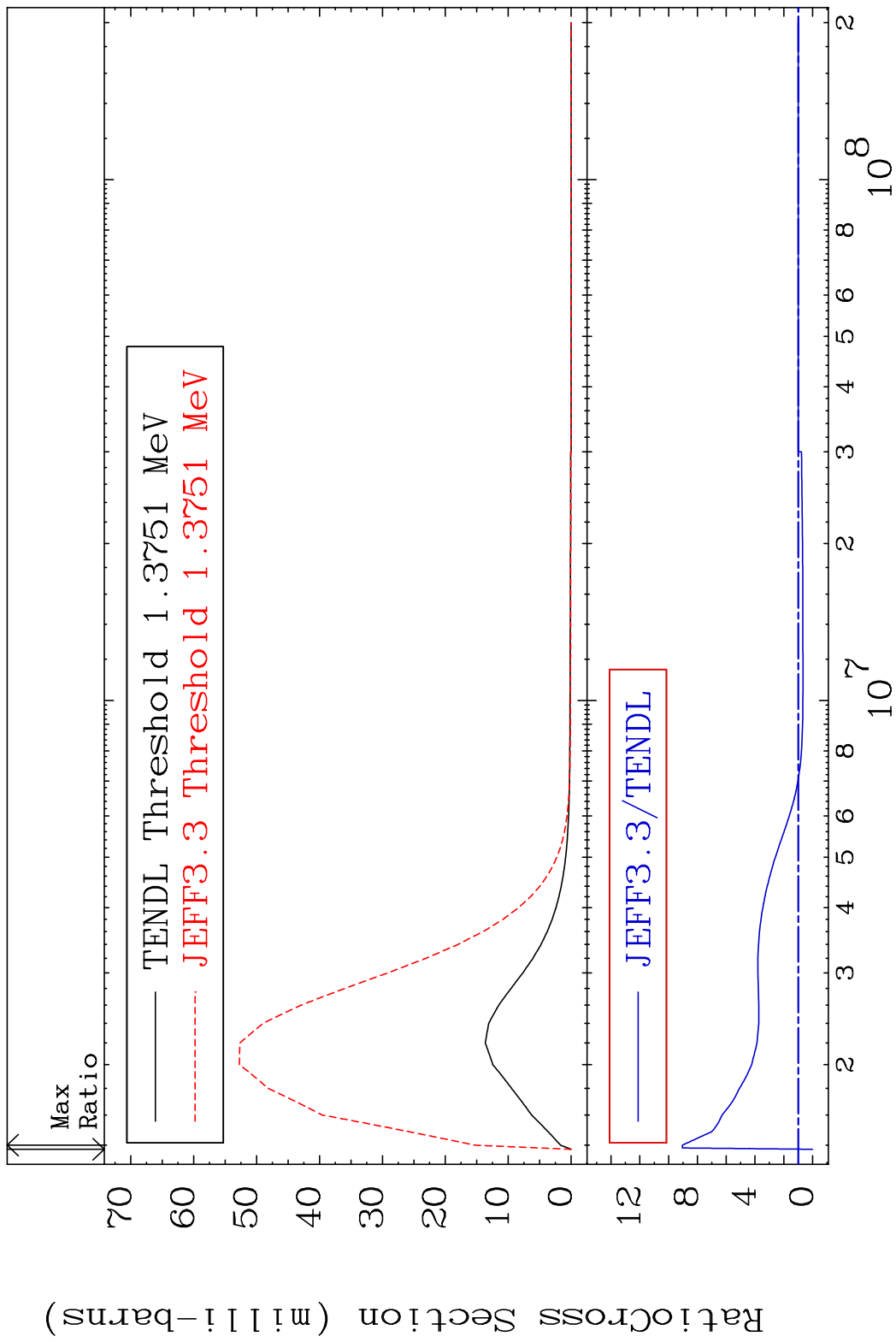
MAT 5722 MT= 64 (n, n') Level 57-La-137
 Cross Section -100.0 To 0.000 %



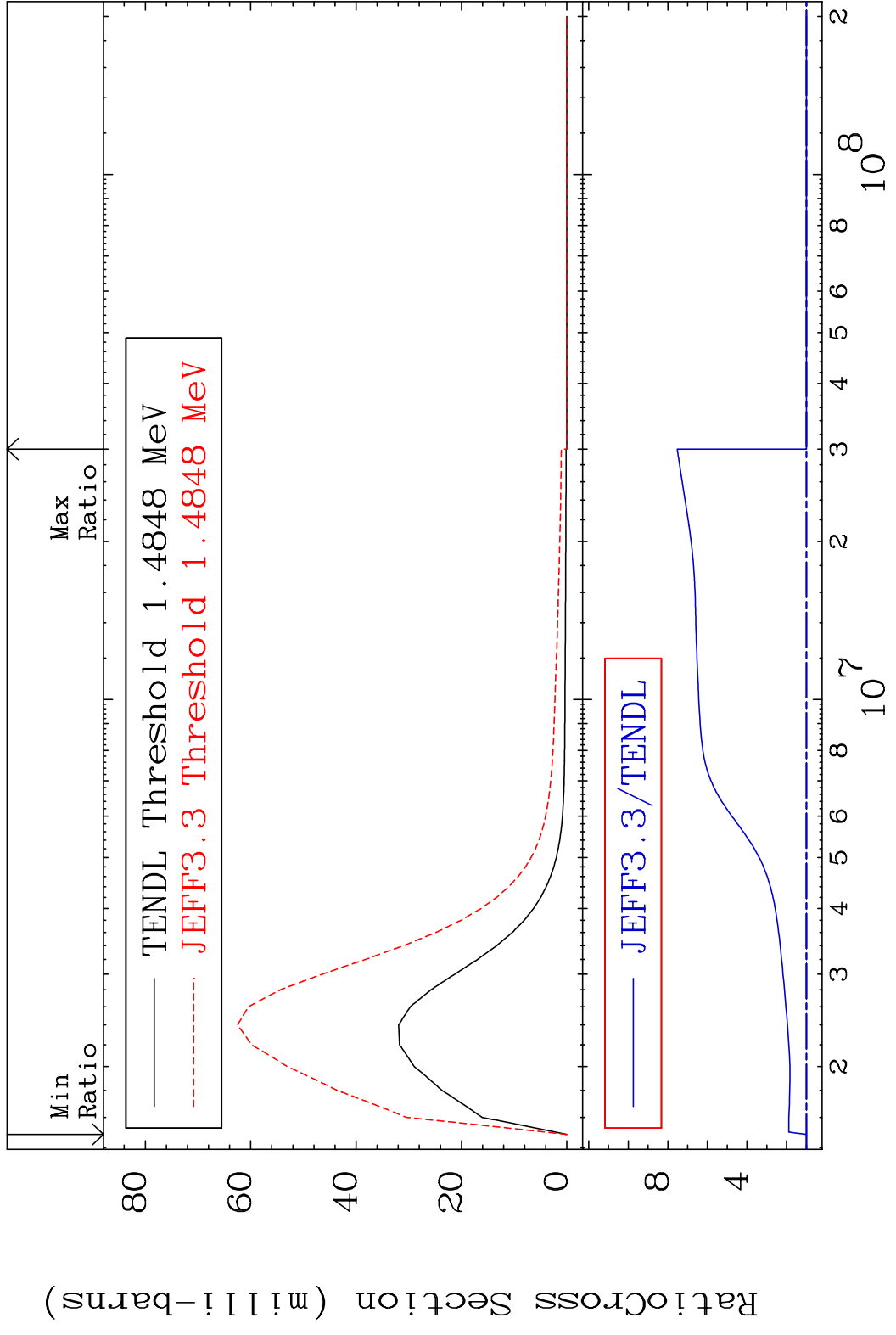
MAT 5722 MT= 65 (n,n') Level 57-La-137
 Cross Section -20.08 To 0.000 %



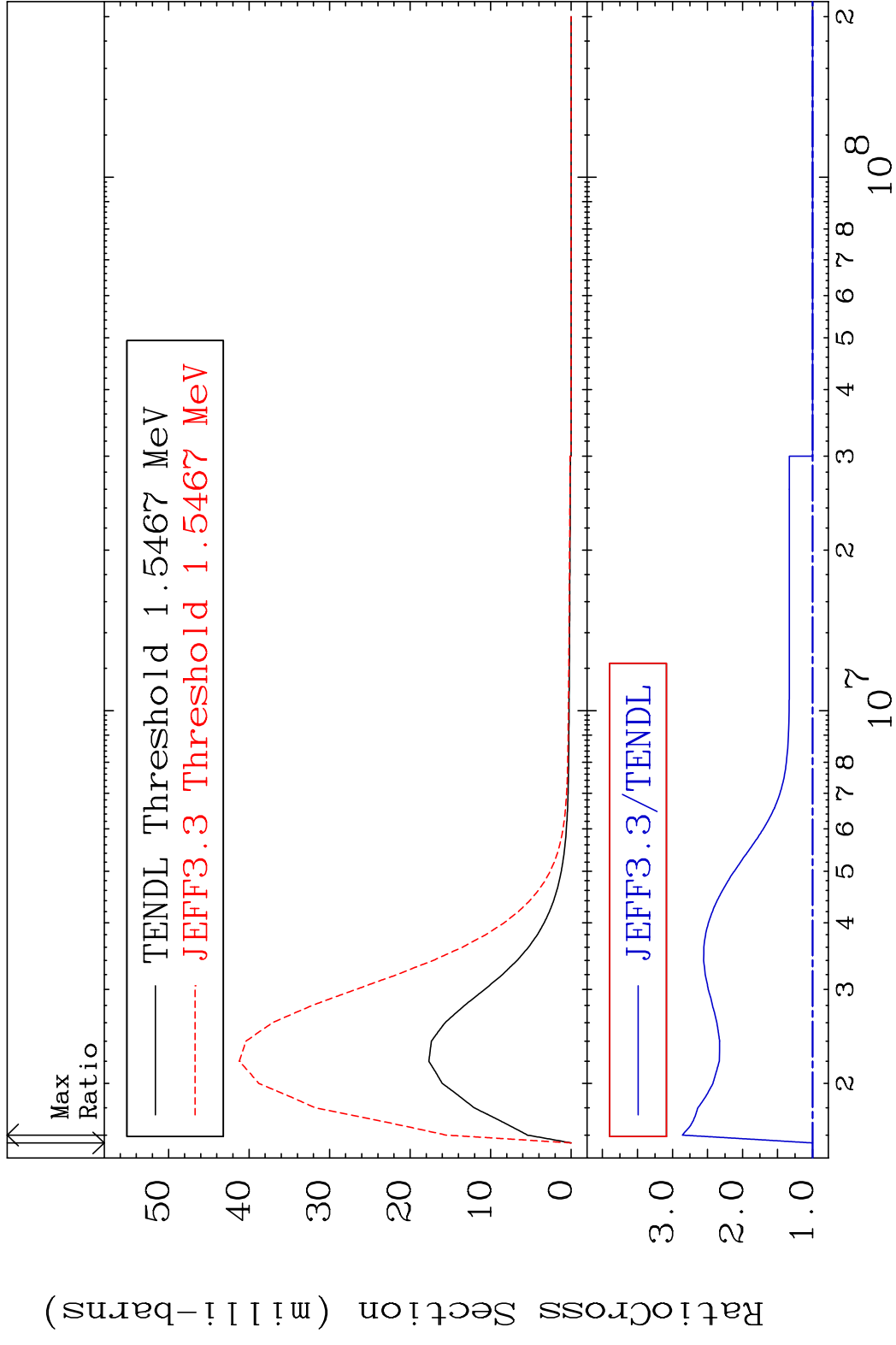
MAT 5722 MT= 66 (n,n') Level 57-La-137
 Cross Section -100.0 To 804.6 %



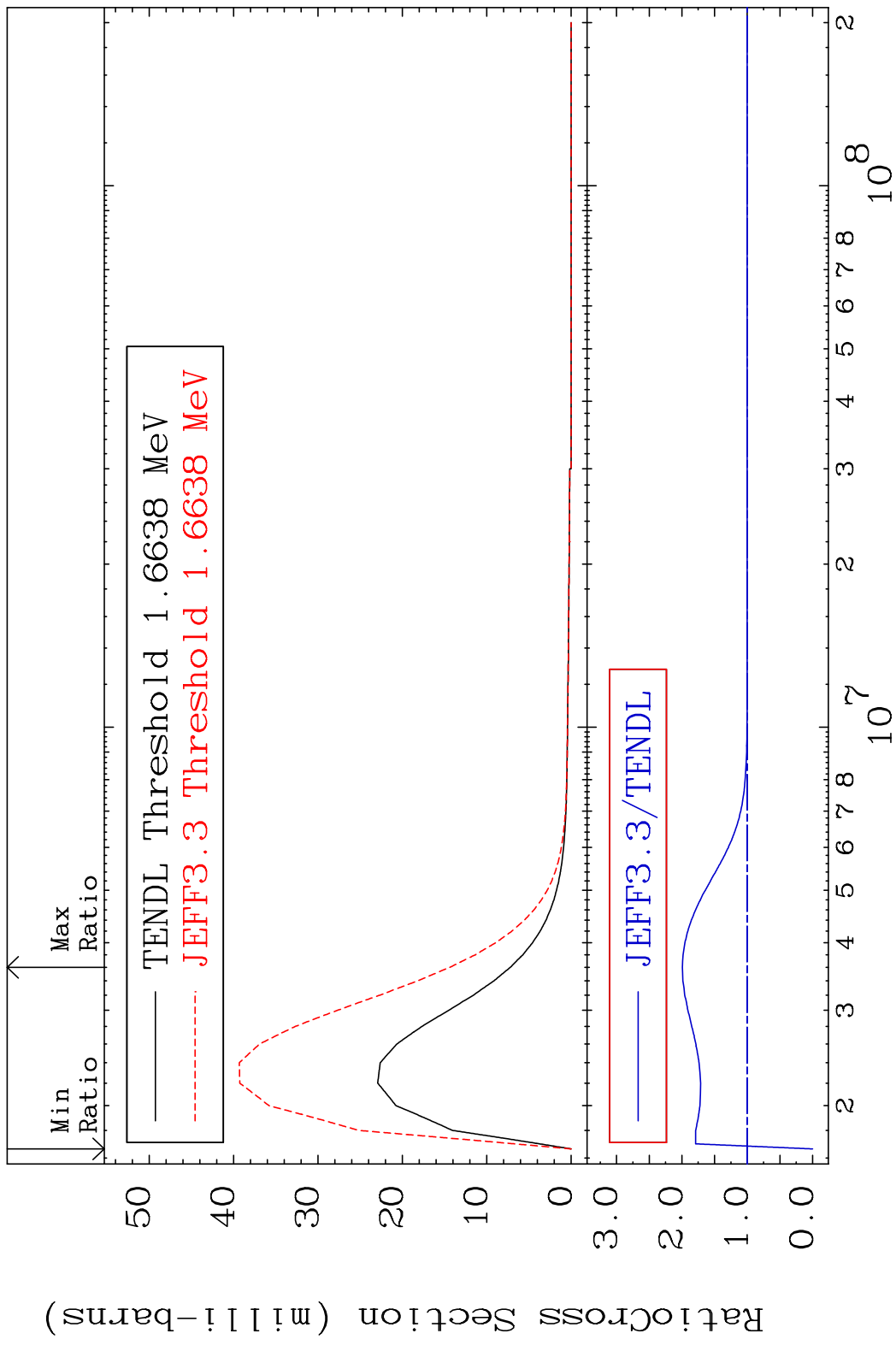
MAT 5722 MT= 67 (n, n') Level 57-La-137
 Cross Section 0.000 To 652.8 %



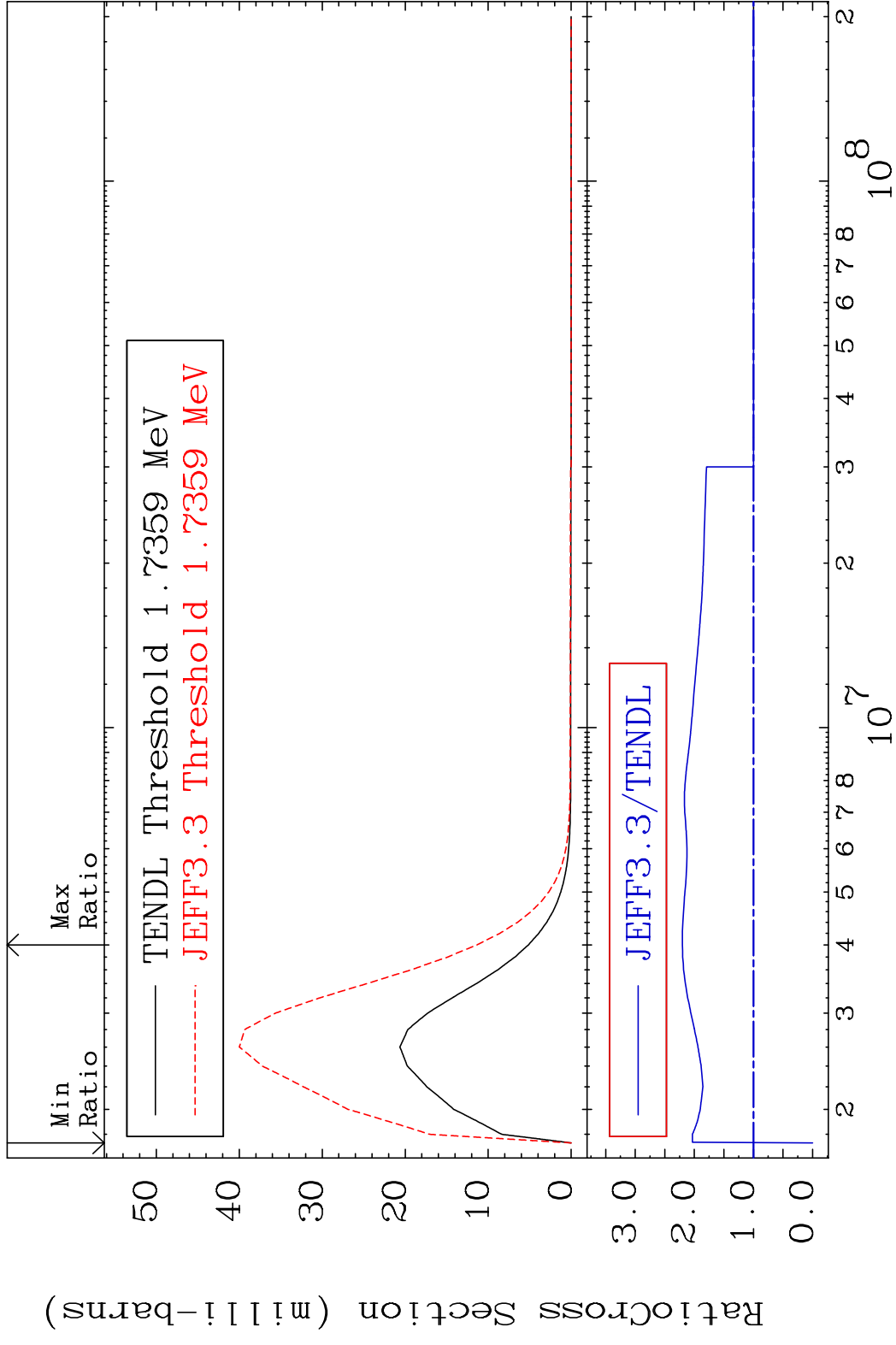
MAT 5722 MT= 68 (n,n') Level 57-La-137
 Cross Section 0.000 To 185.9 %



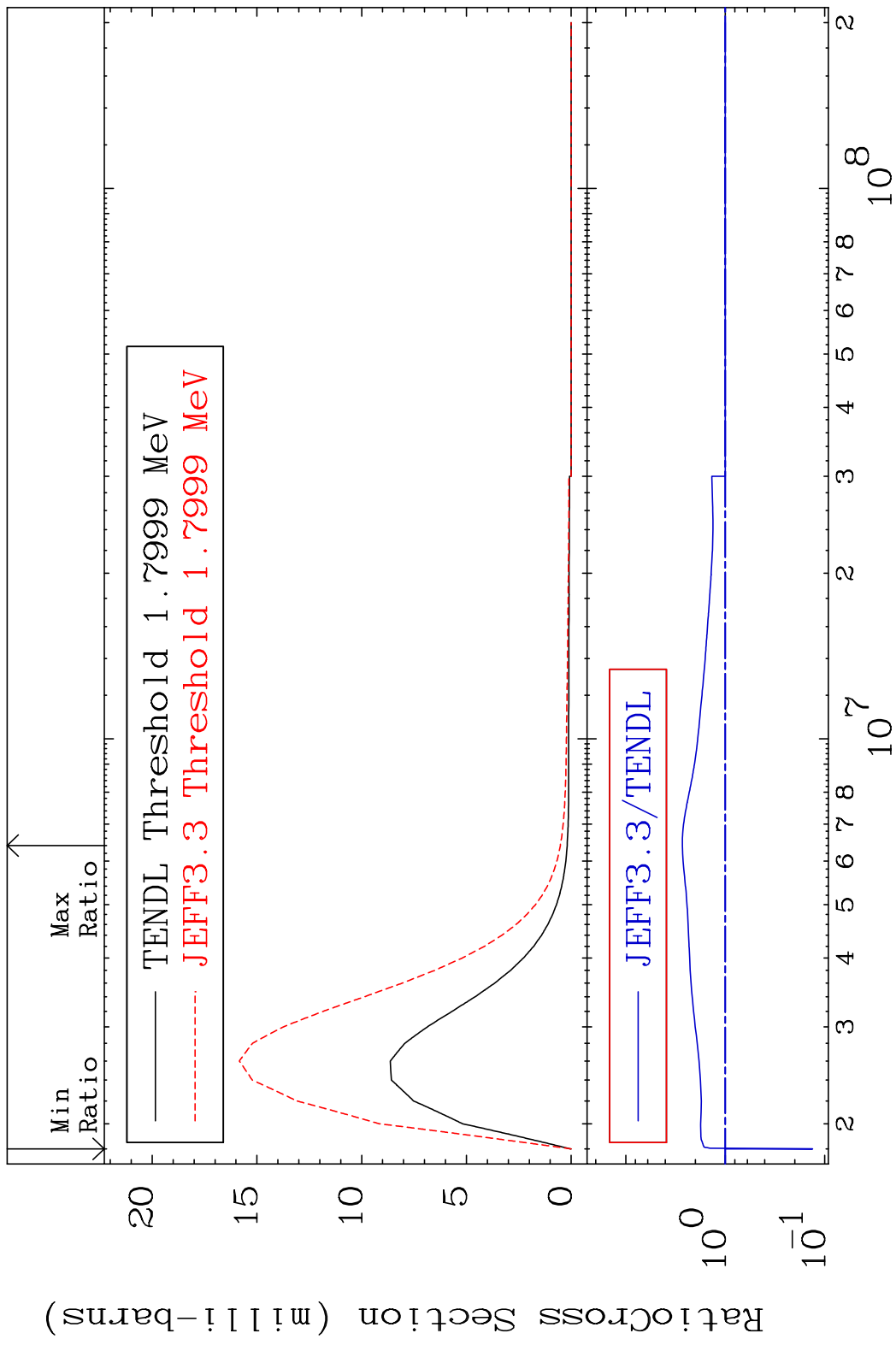
MAT 5722 MT= 69 (n, n') Level 57-La-137
 Cross Section -100.0 To 99.31 %



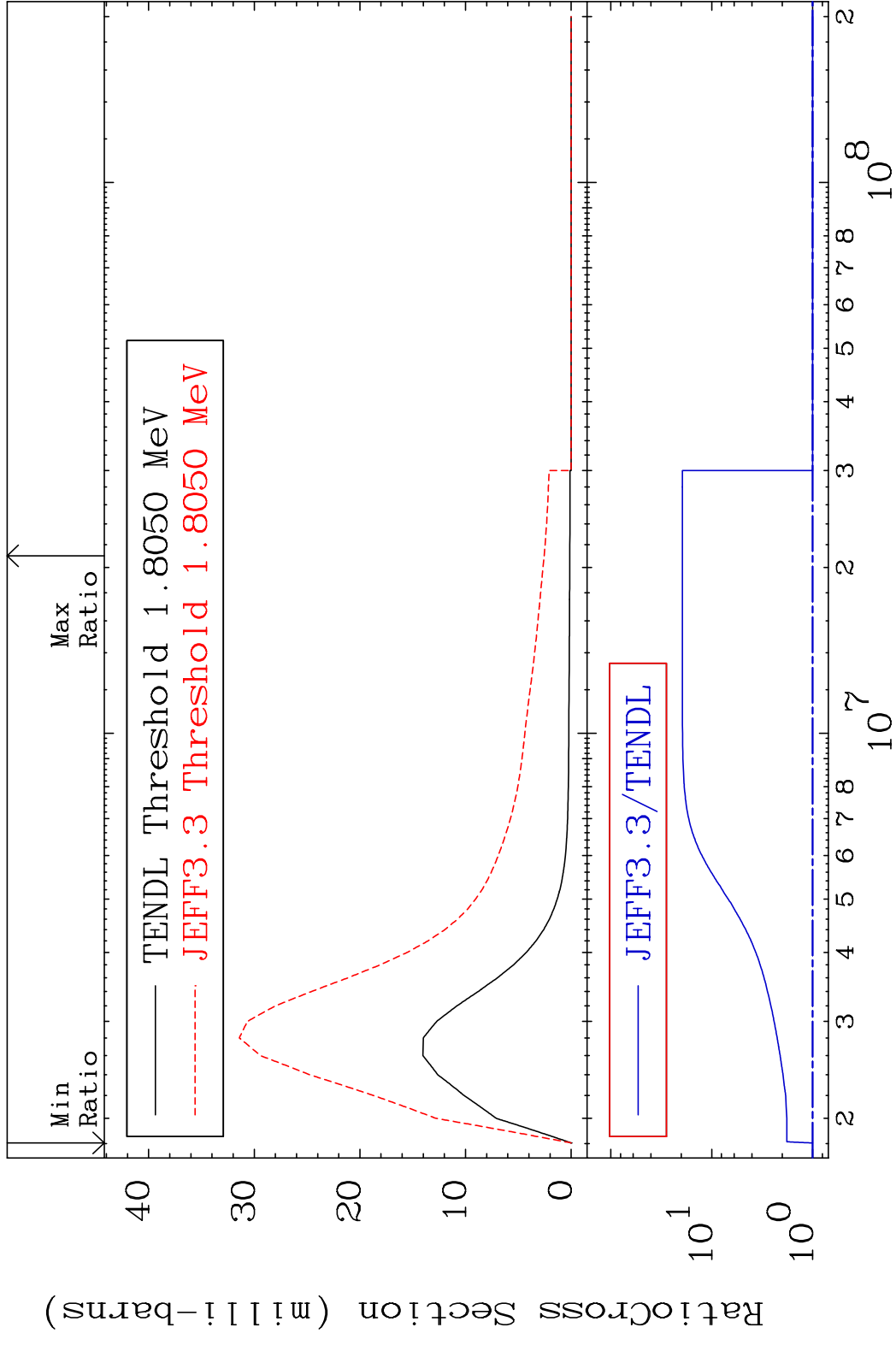
MAT 5722 MT= 70 (n, n') Level 57-La-137
 Cross Section -100.0 To 120.3 %



MAT 5722 MT= 72 (n, n') Level 57-La-137
 Cross Section -86.75 To 169.8 %

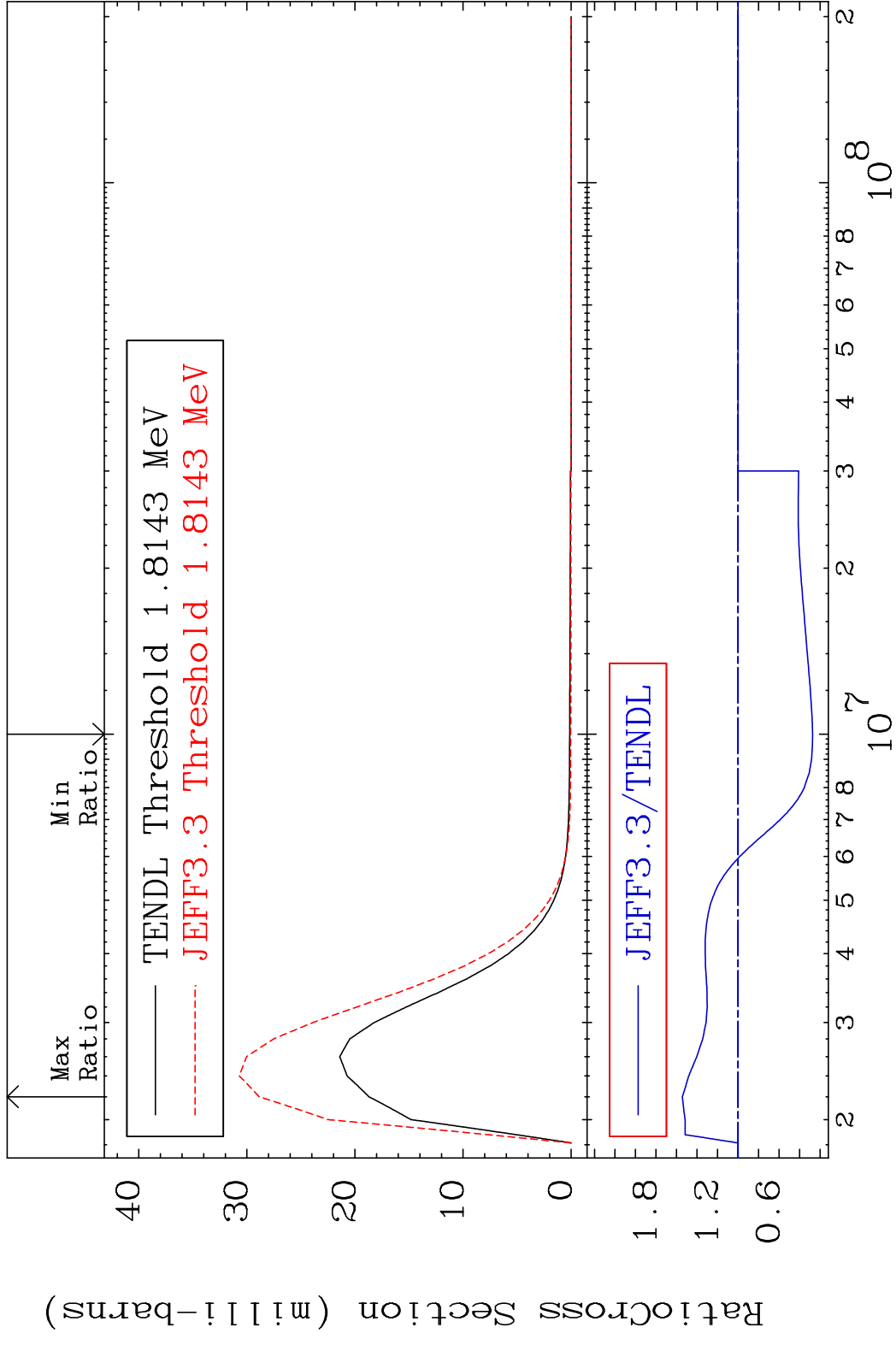


MAT 5722 MT= 73 (n, n') Level 57-La-137
 Cross Section 0.000 To 1855. %



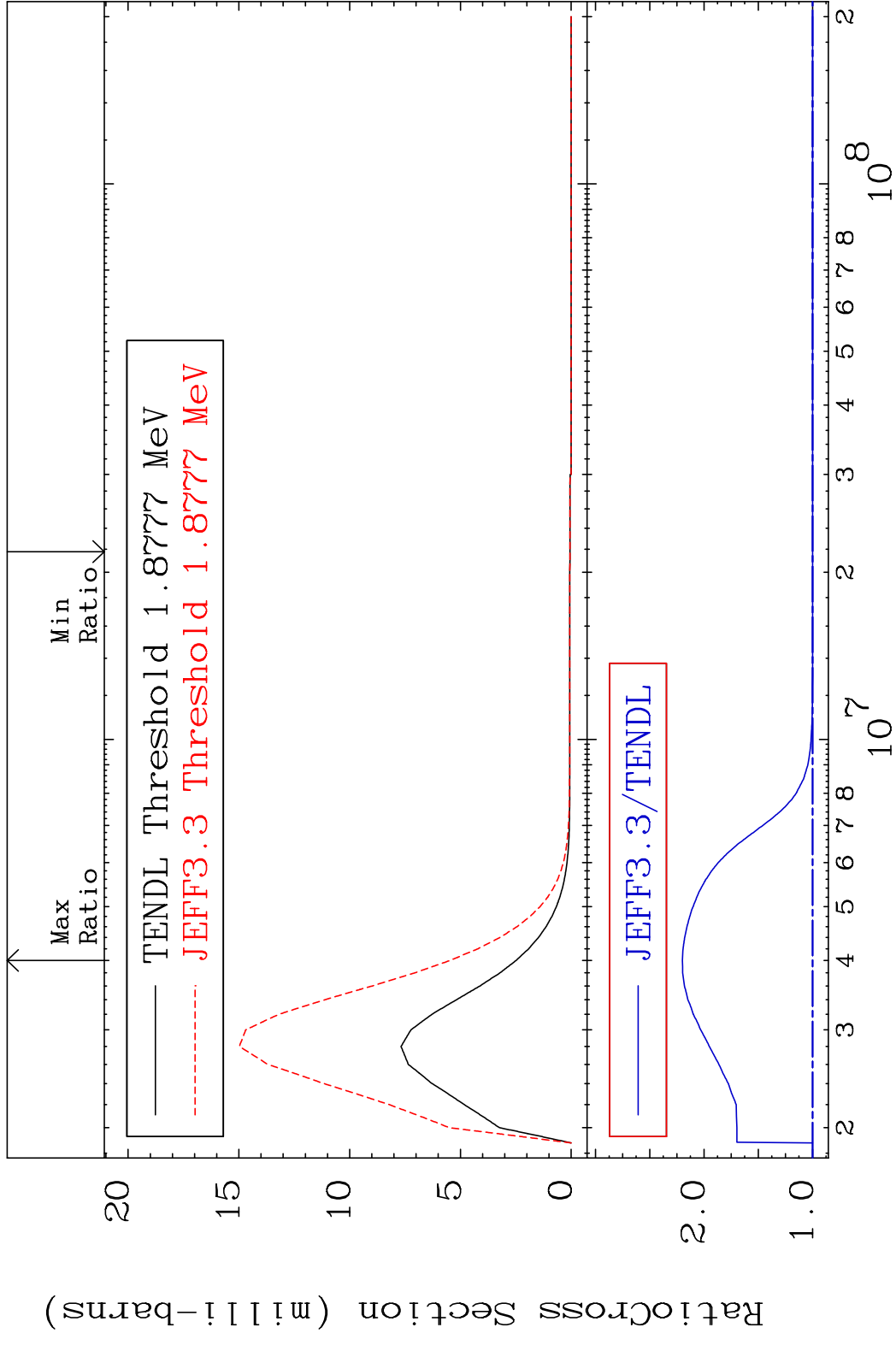
42 Incident Energy (eV) 57-La-137

MAT 5722 MT= 74 (n,n') Level 57-La-137
 Cross Section -72.69 To 54.30 %

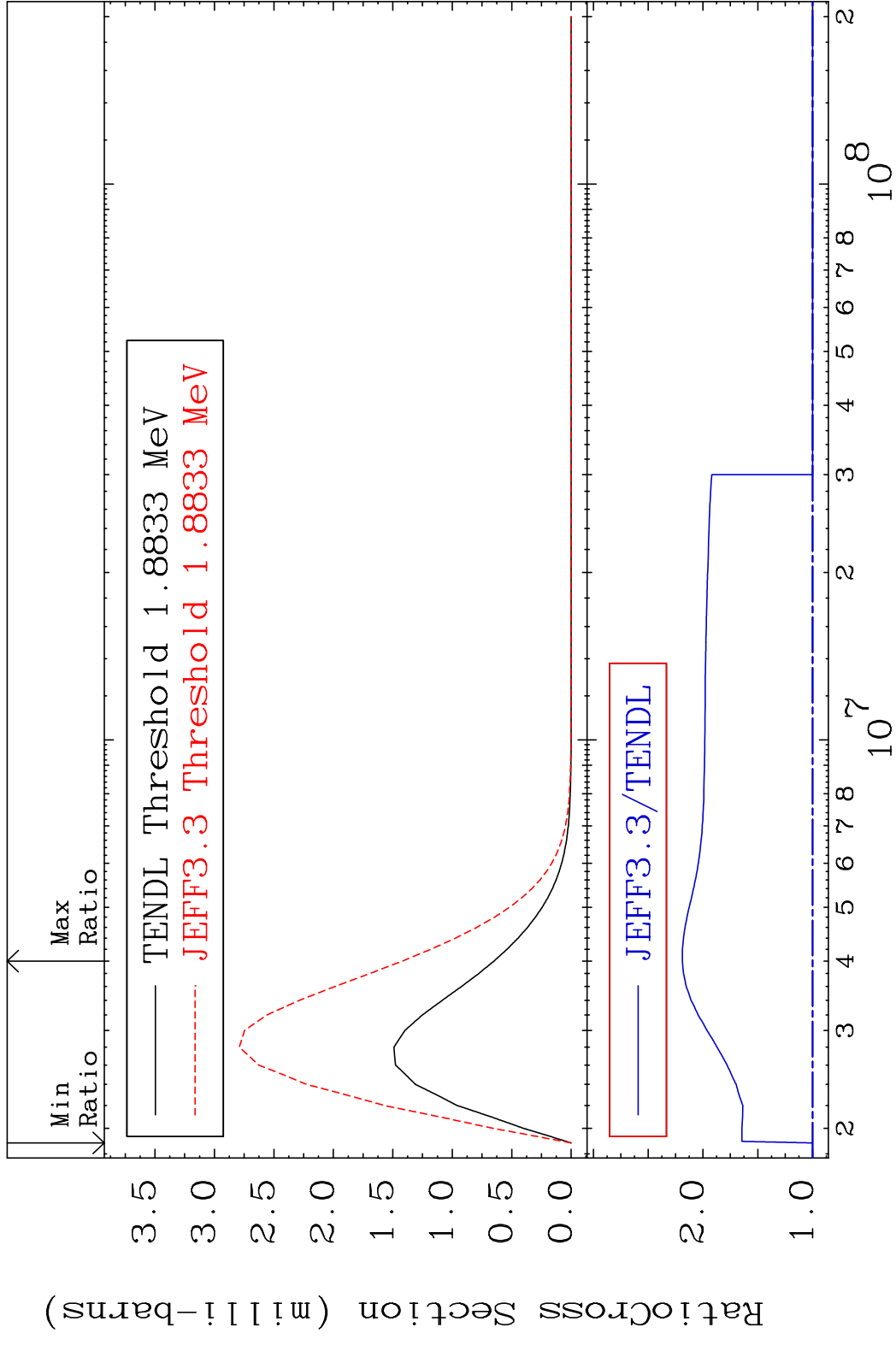


43 Incident Energy (eV) 57-La-137

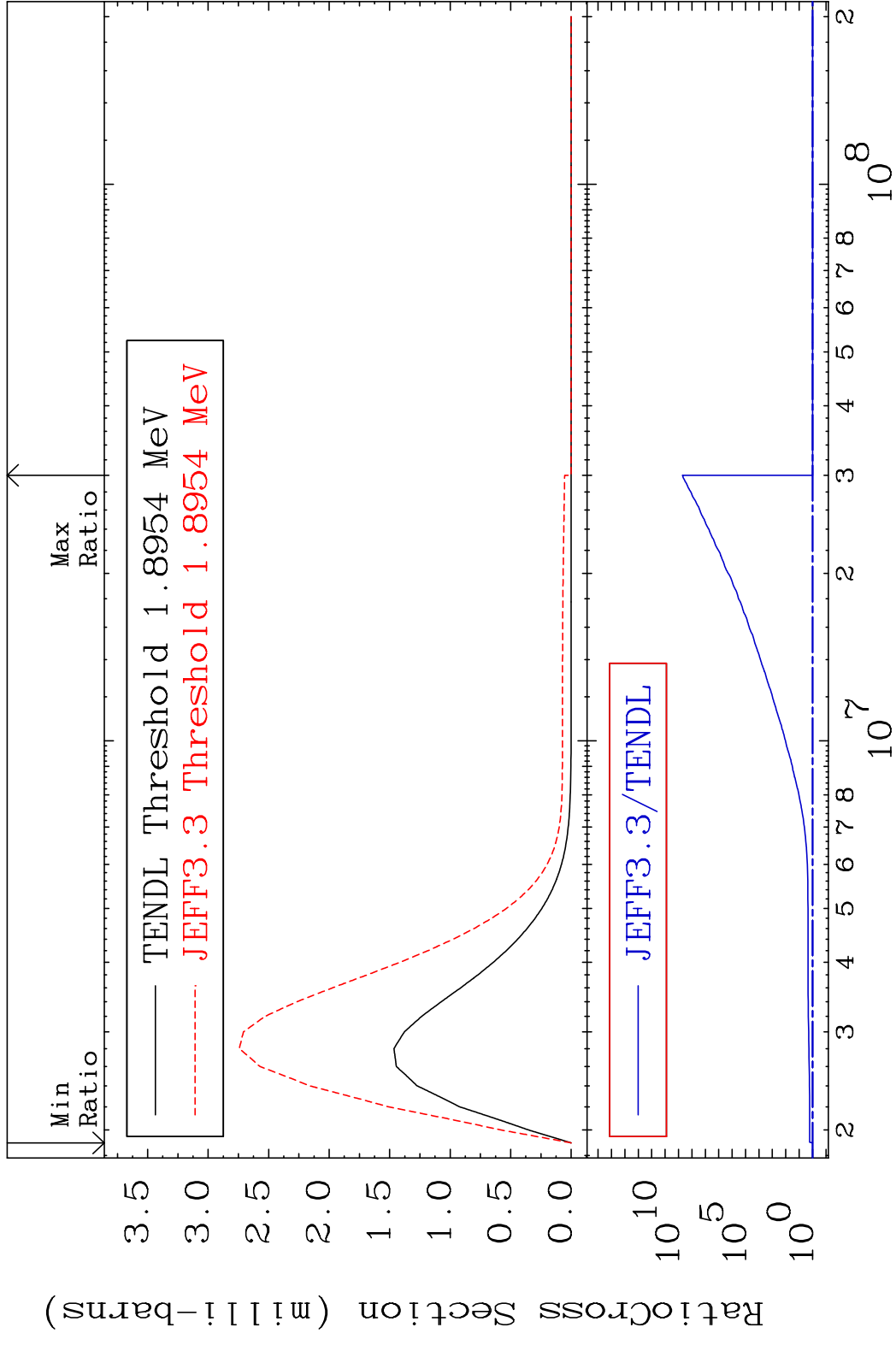
MAT 5722 MT= 75 (n,n') Level 57-La-137
 Cross Section 0.000 To 120.0 %



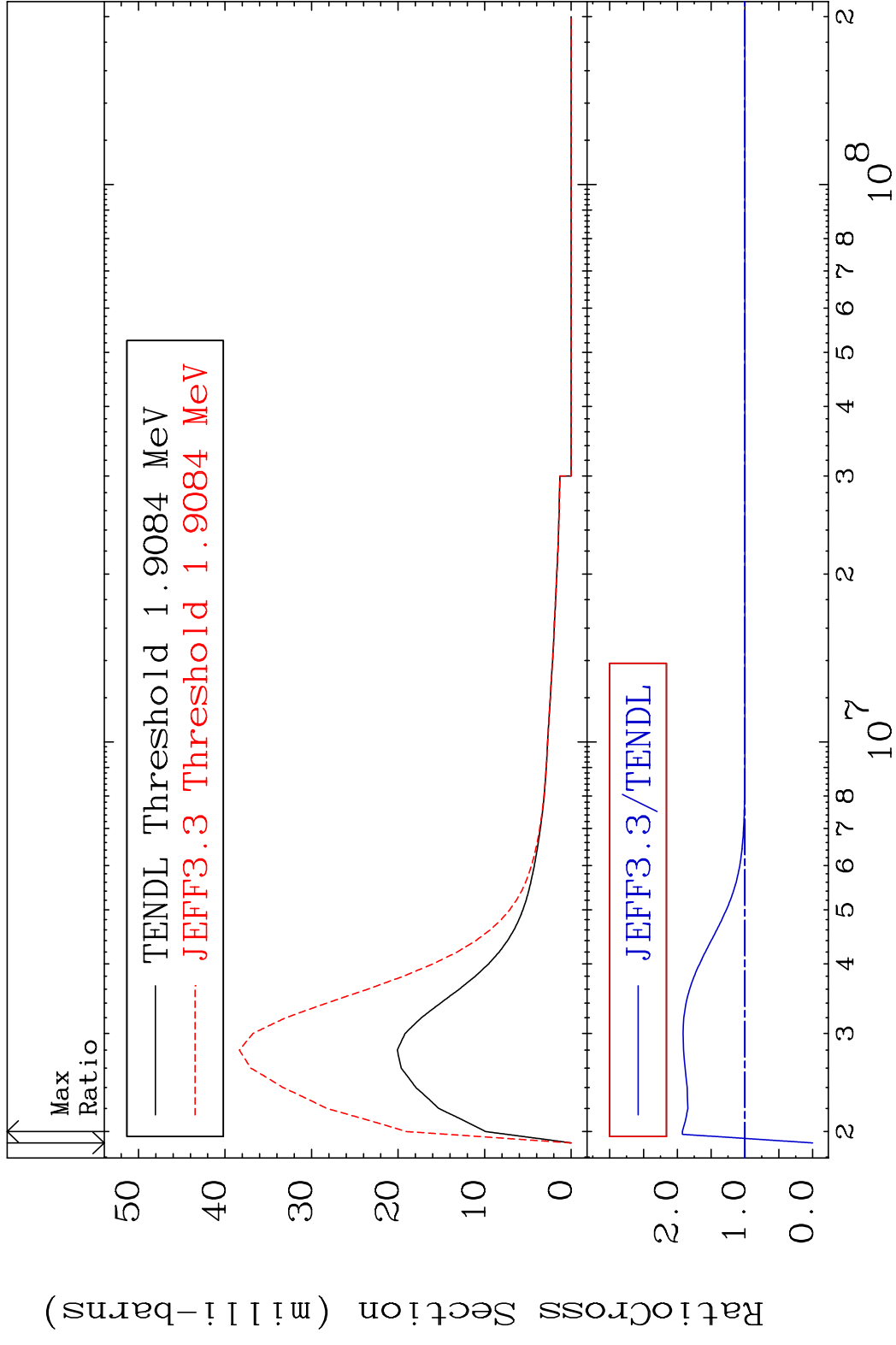
MAT 5722 MT= 76 (n,n') Level 57-La-137
 Cross Section 0.000 To 118.8 %



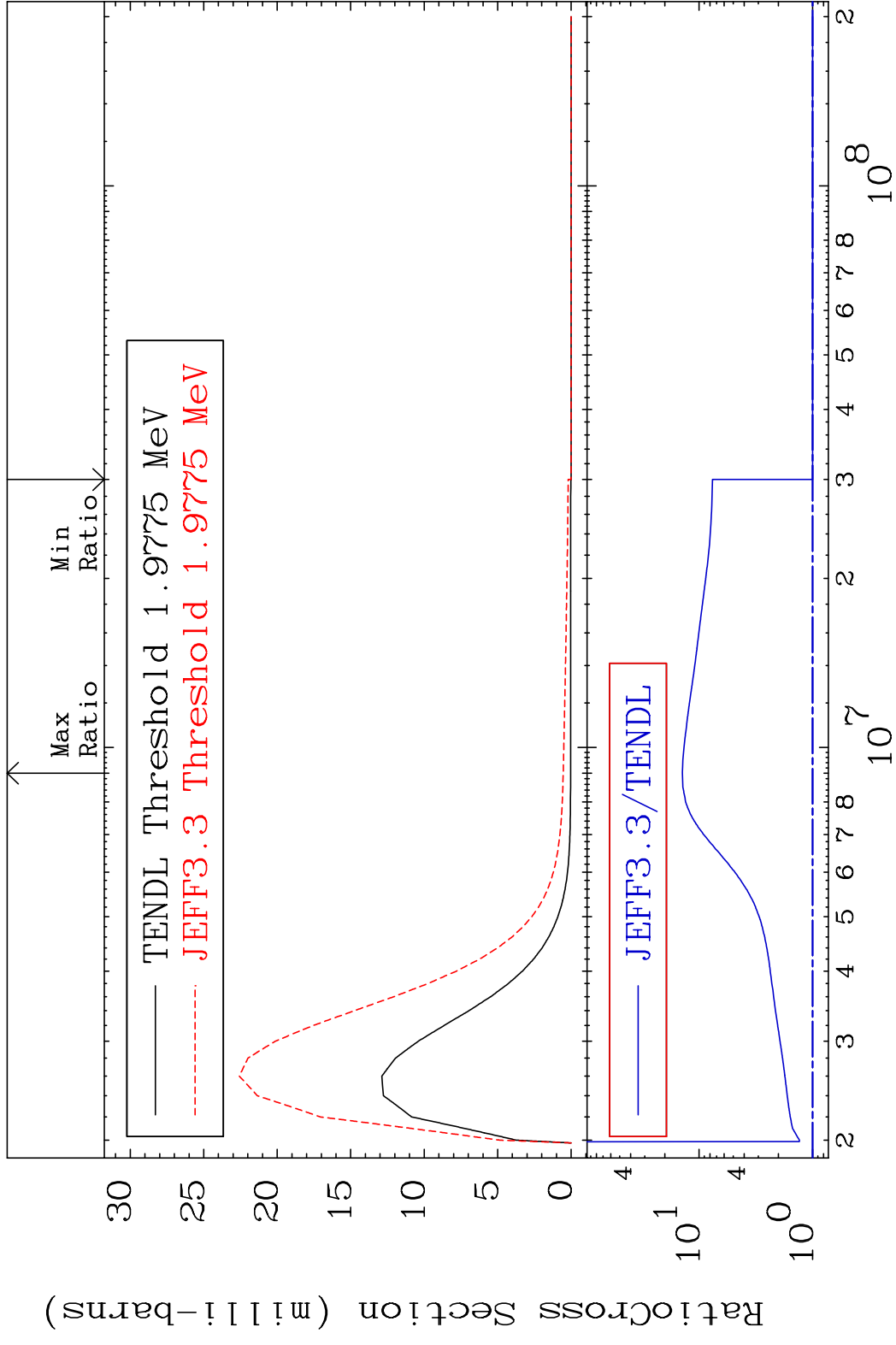
MAT 5722 MT= 77 (n,n') Level 57-La-137
 Cross Section 0.000 To 9999. %



MAT 5722 MT= 78 (n, n') Level 57-La-137
 Cross Section -100.0 To 92.55 %



MAT 5722 MT= 79 (n, n') Level 57-La-137
 Cross Section 0.000 To 1302. %

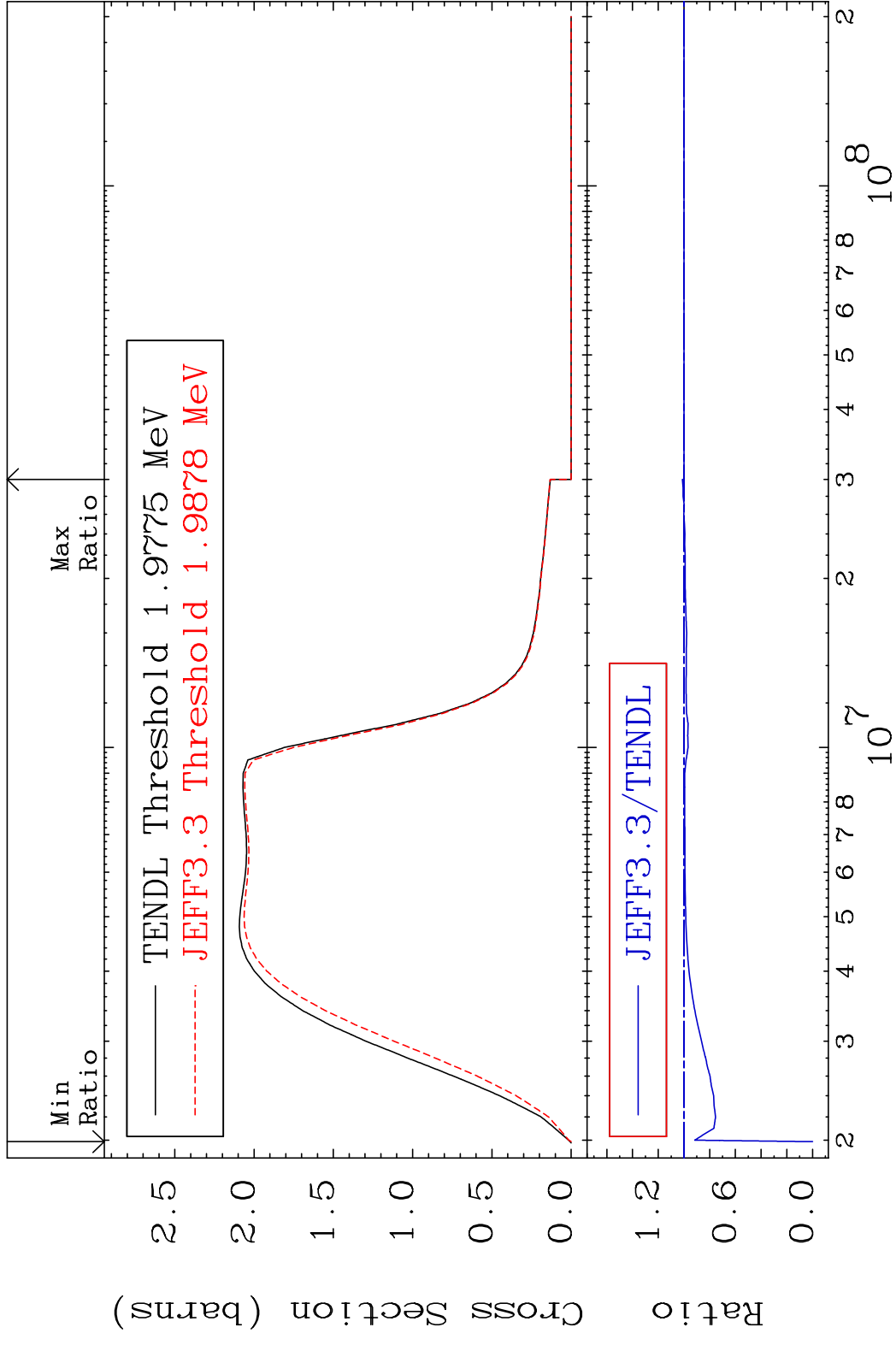


MAT 5722

(n, n') Continuum

57-La-137

Cross Section -100.0 To 1.251 %



49

Incident Energy (eV)

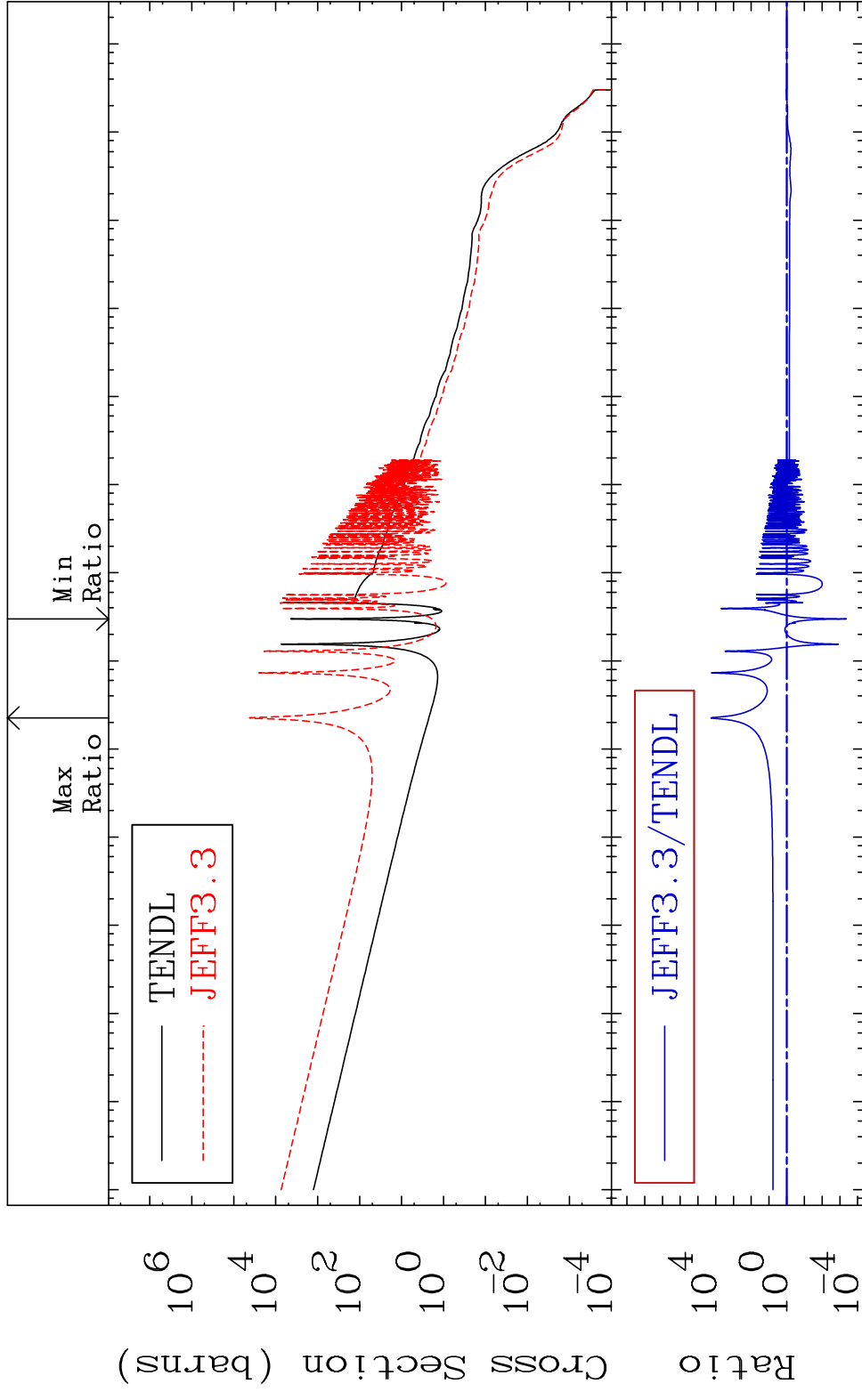
57-La-137

MAT 5722

57-La-137

(n, γ)

Cross Section -99.96 To 9999. %



Ratio

50

Incident Energy (eV)

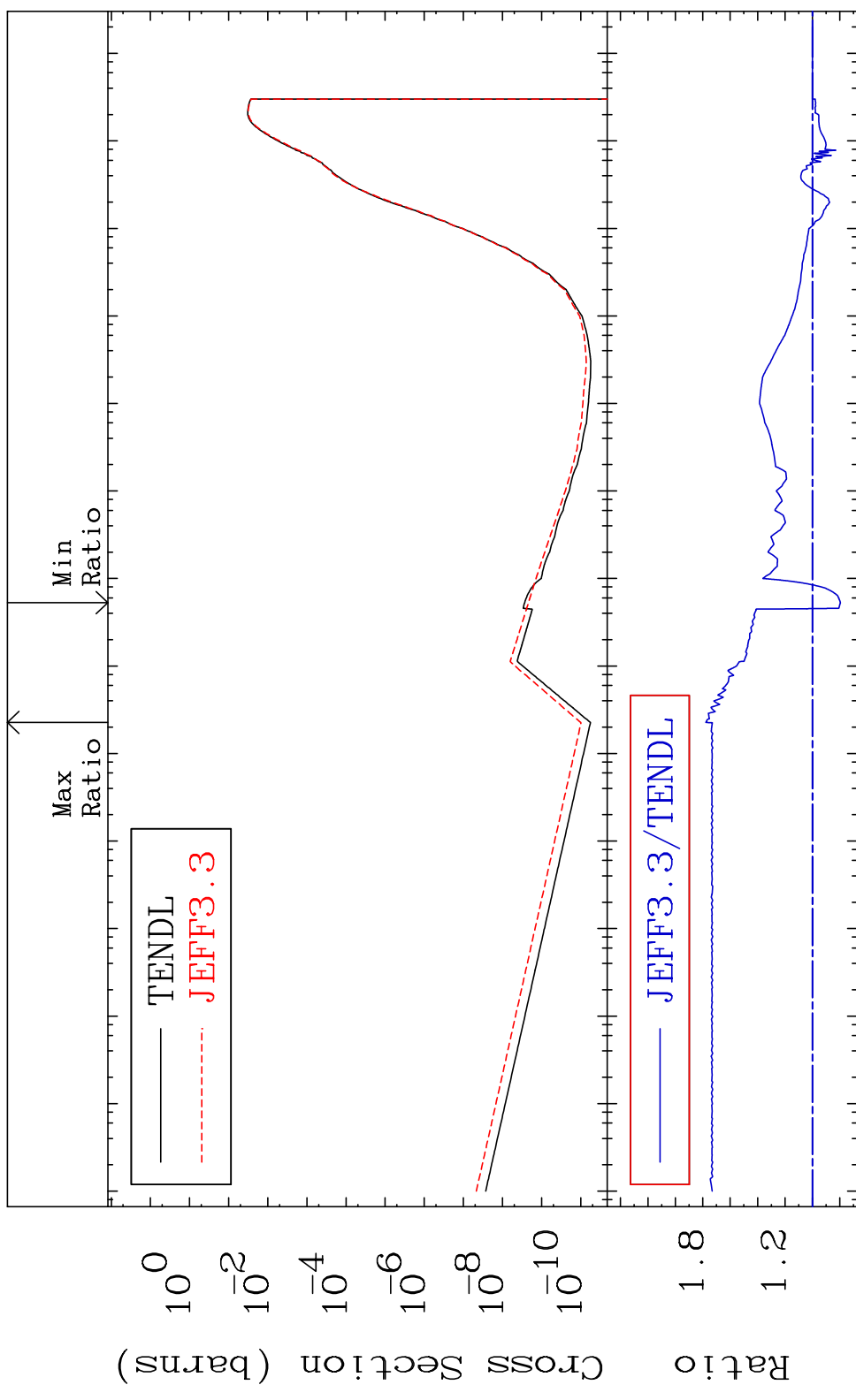
57-La-137

MAT 5722

(n, p)

57-La-137

Cross Section -20.43 To 77.80 %

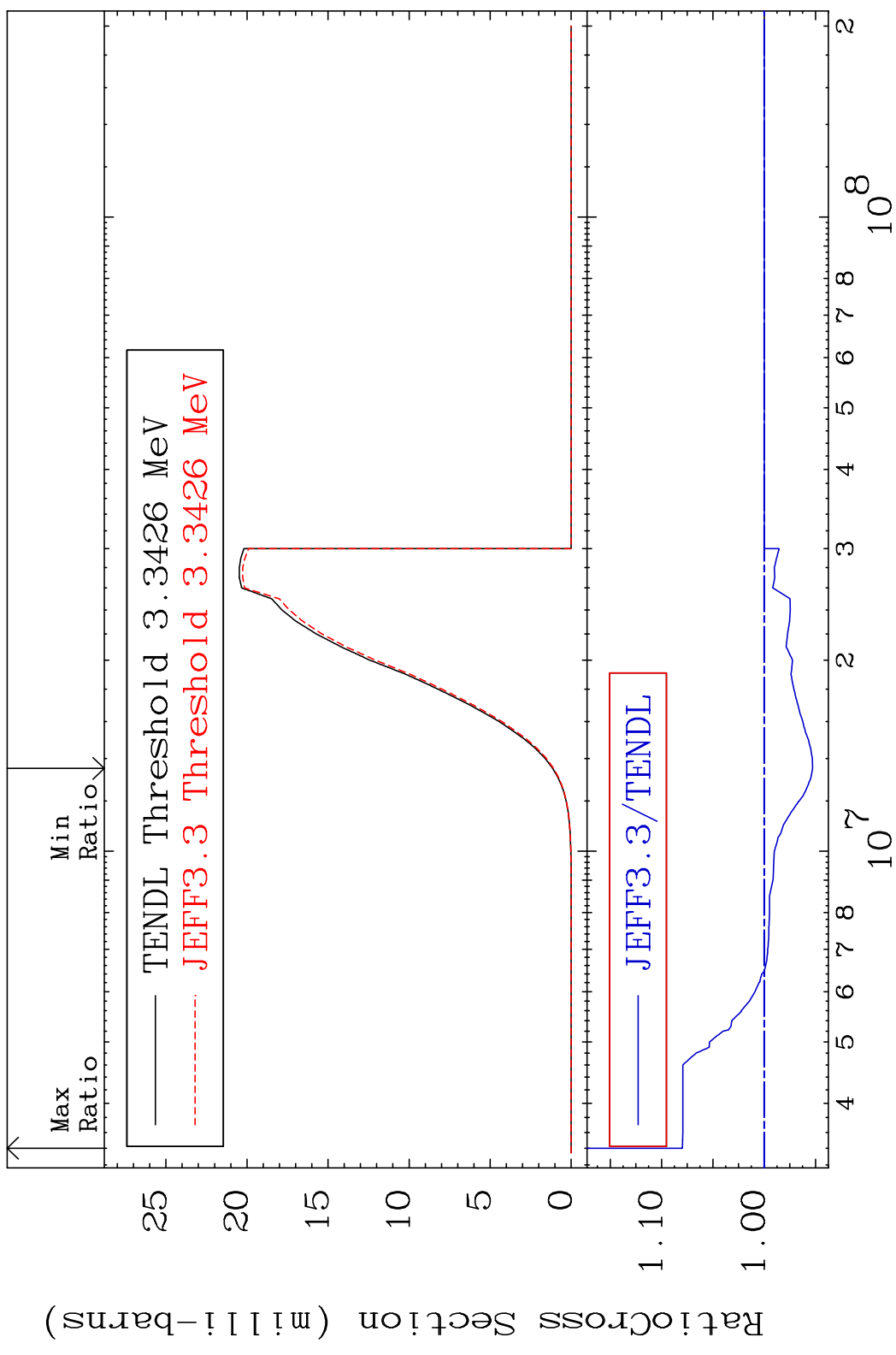


MAT 5722

(n,d)

57-La-137

Cross Section -4.716 To 7.971 %

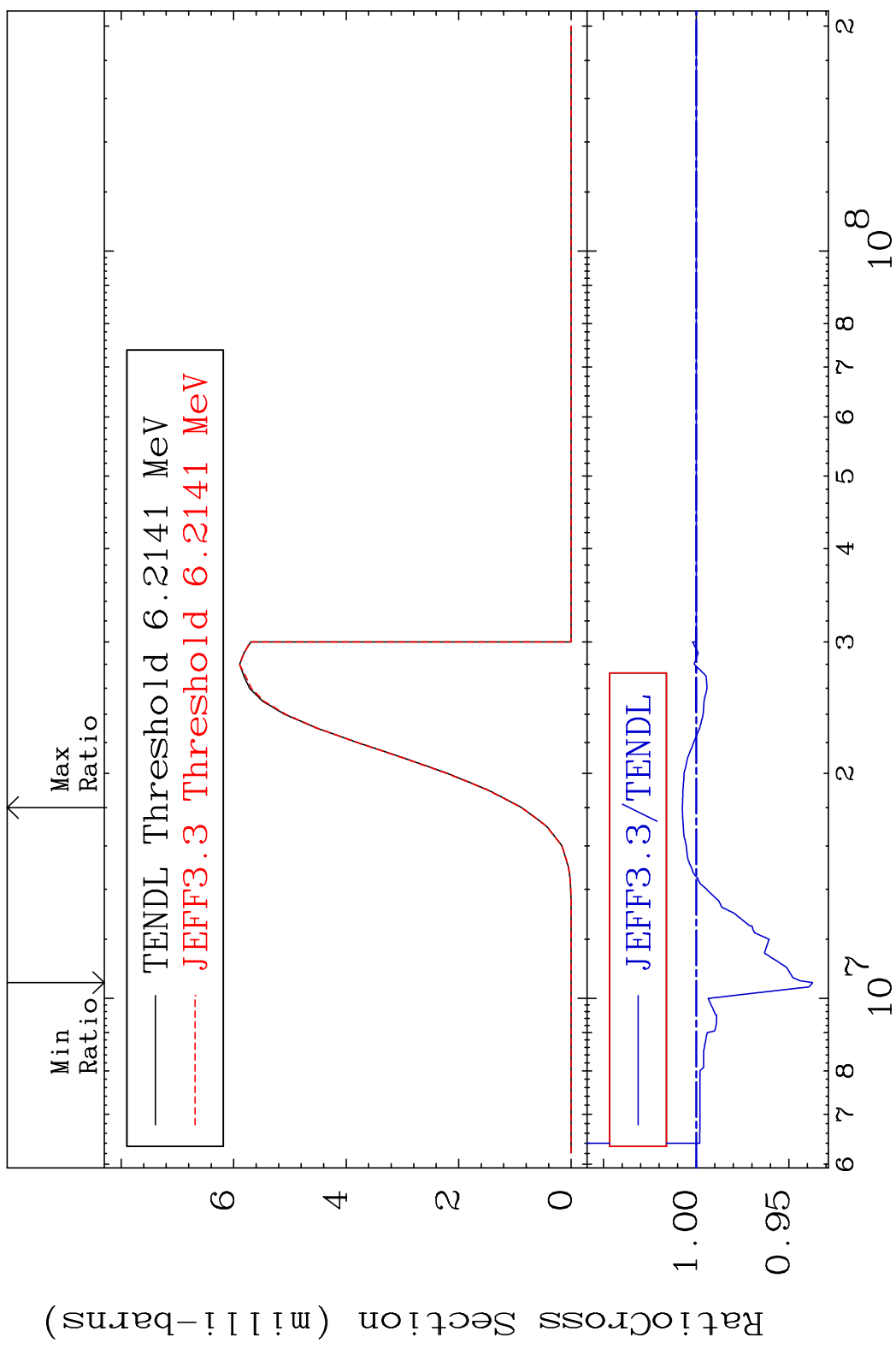


MAT 5722

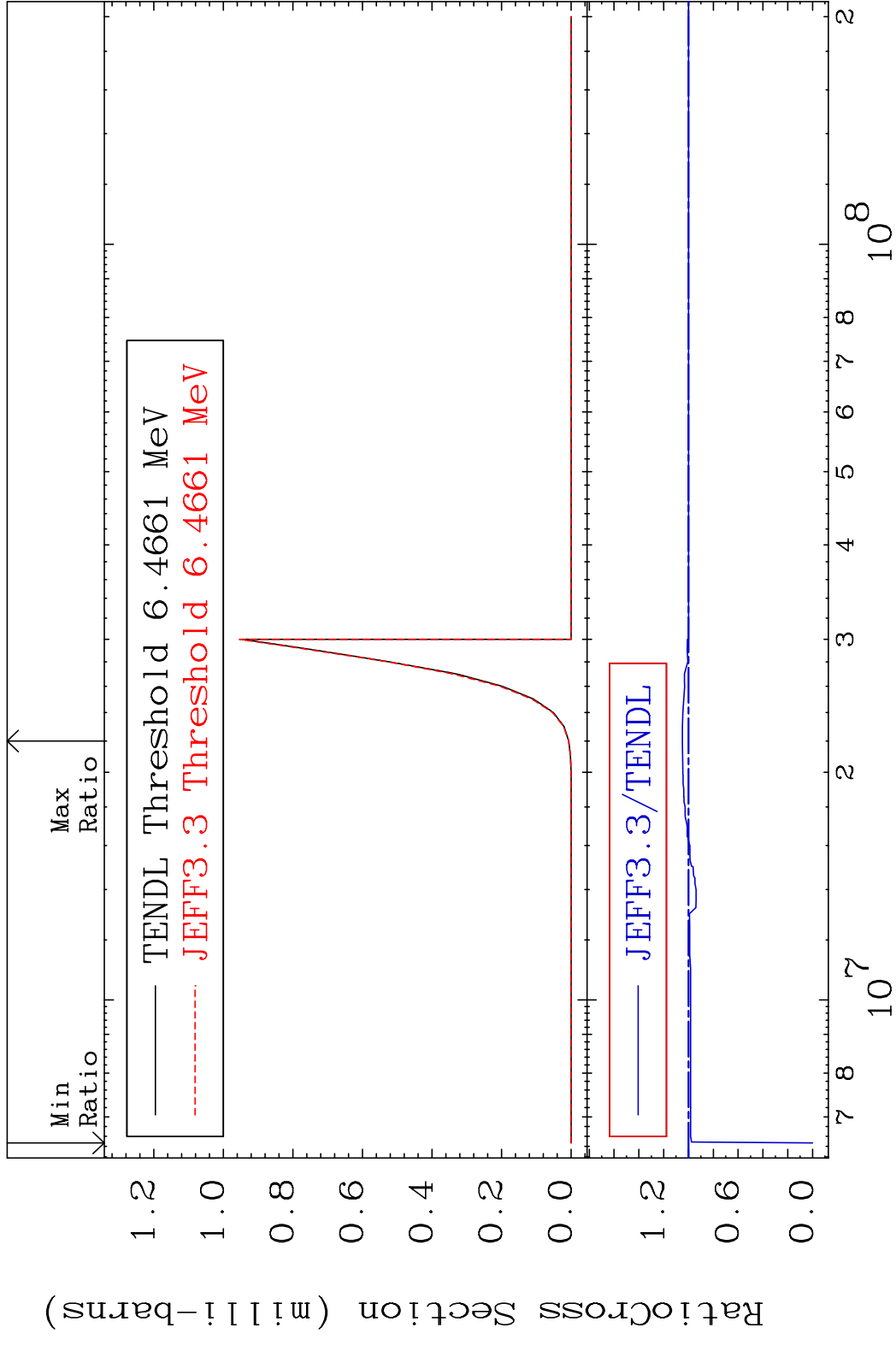
(n, t)

57-La-137

Cross Section -6.275 To 0.749 %



Cross Section -100.0 To 4.953 %

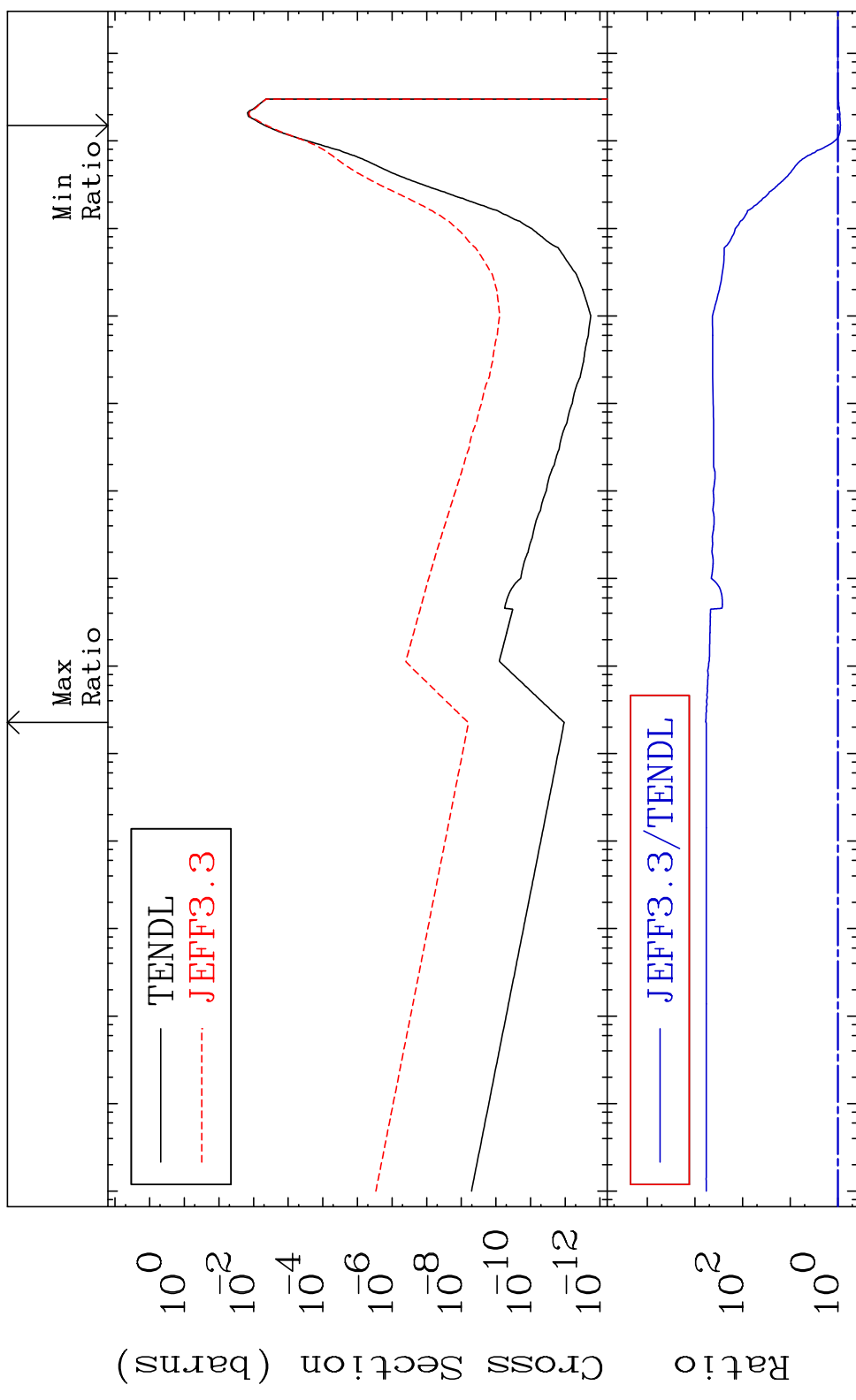


MAT 5722

(n, α)

57-La-137

Cross Section -11.41 To 9999. %

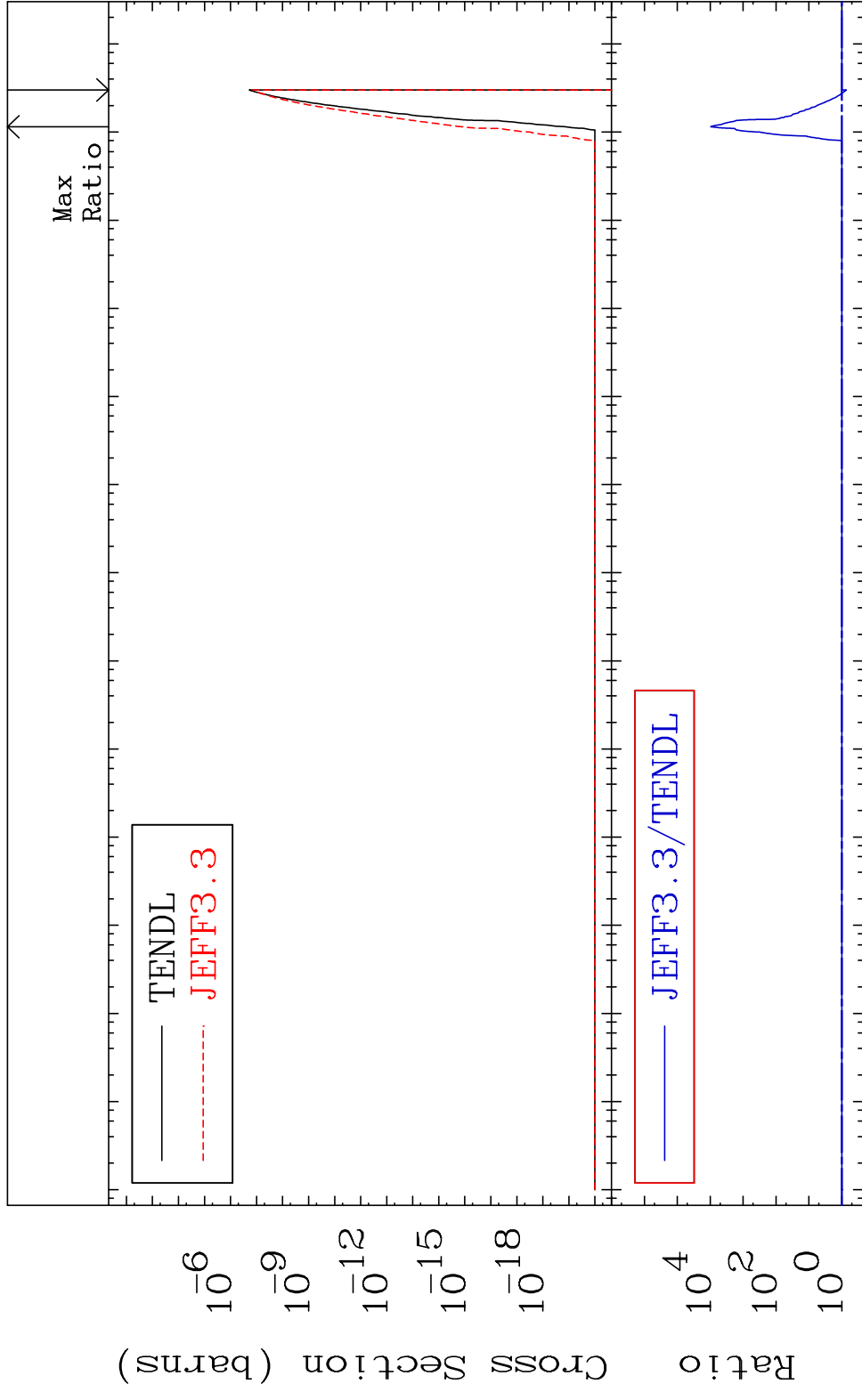


MAT 5722

(n, 2α)

57-La-137

Cross Section -26.90 To 9999. %

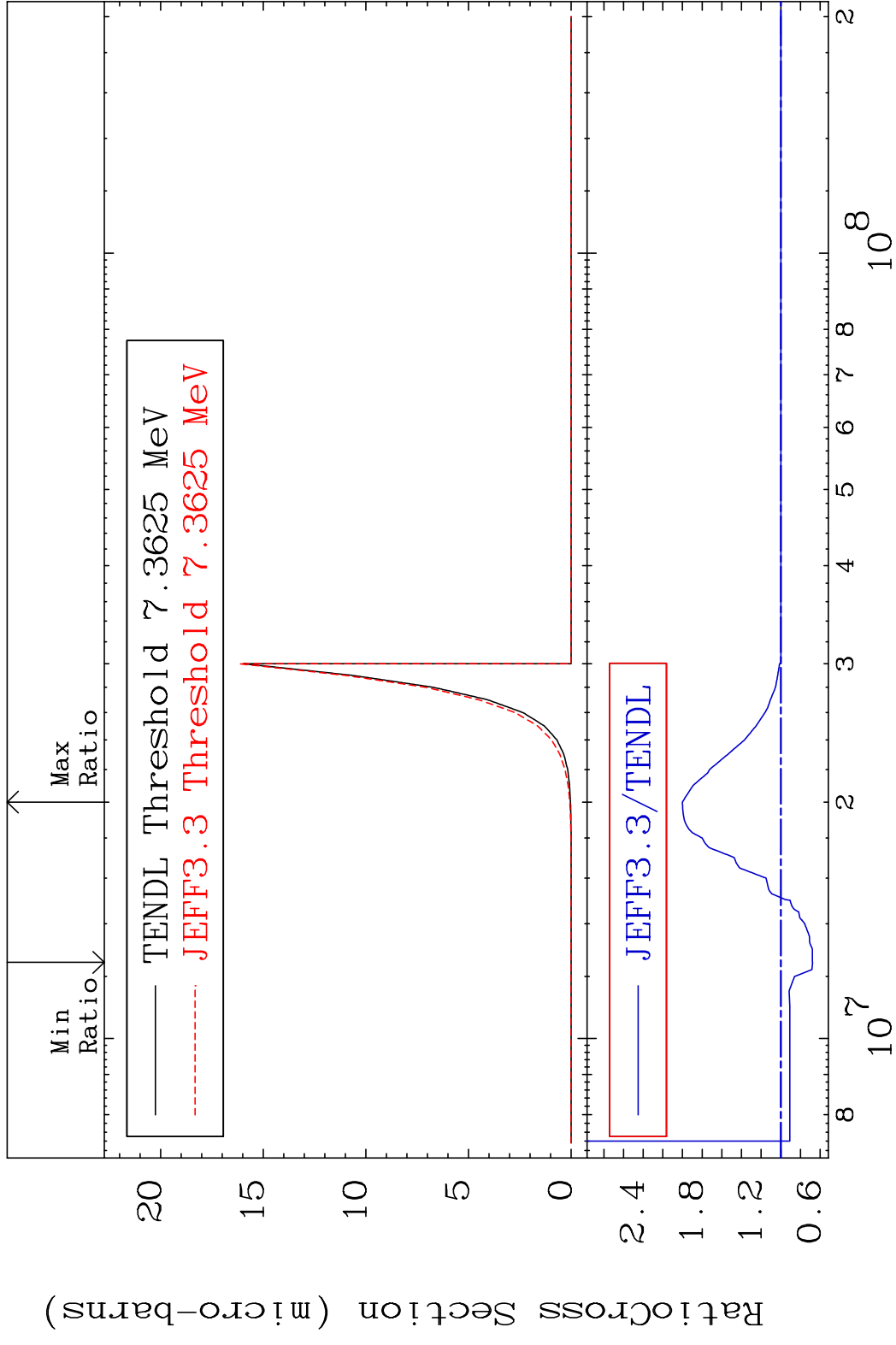


MAT 5722

(n,2p)

57-La-137

Cross Section -32.27 To 100.1 %

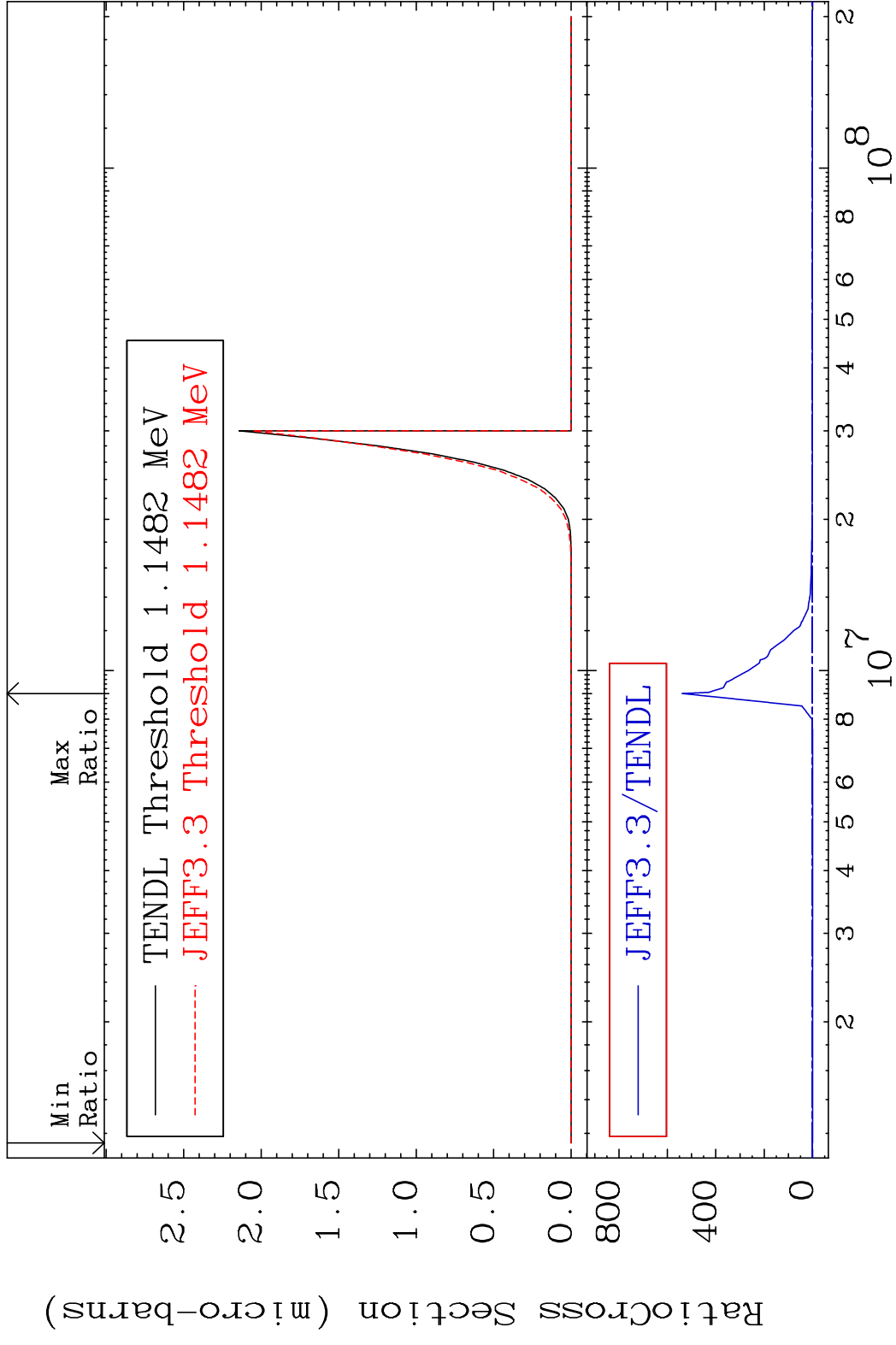


MAT 5722

(n,p) α

57-La-137

Cross Section -100.0 To 9999. %

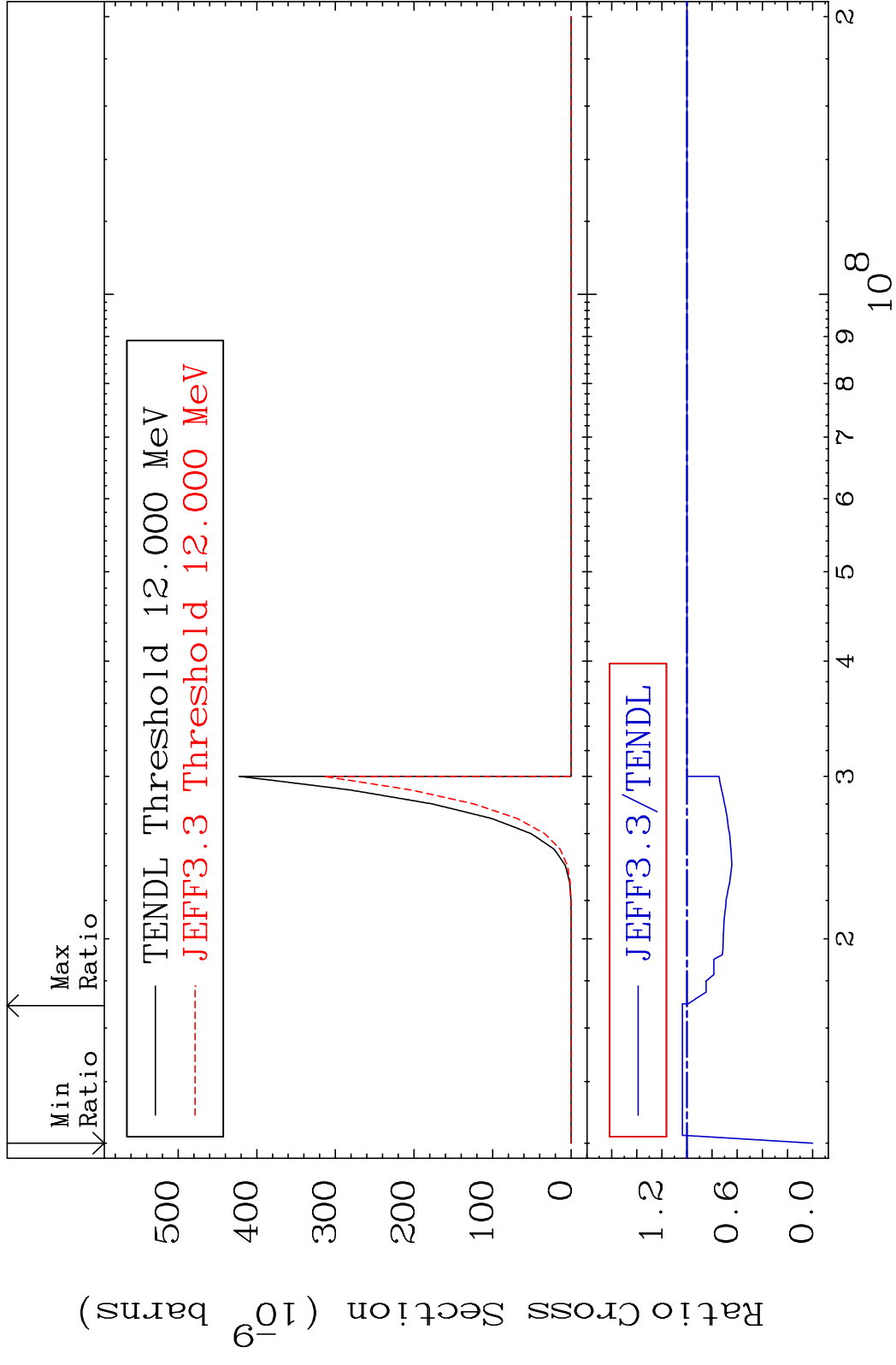


MAT 5722

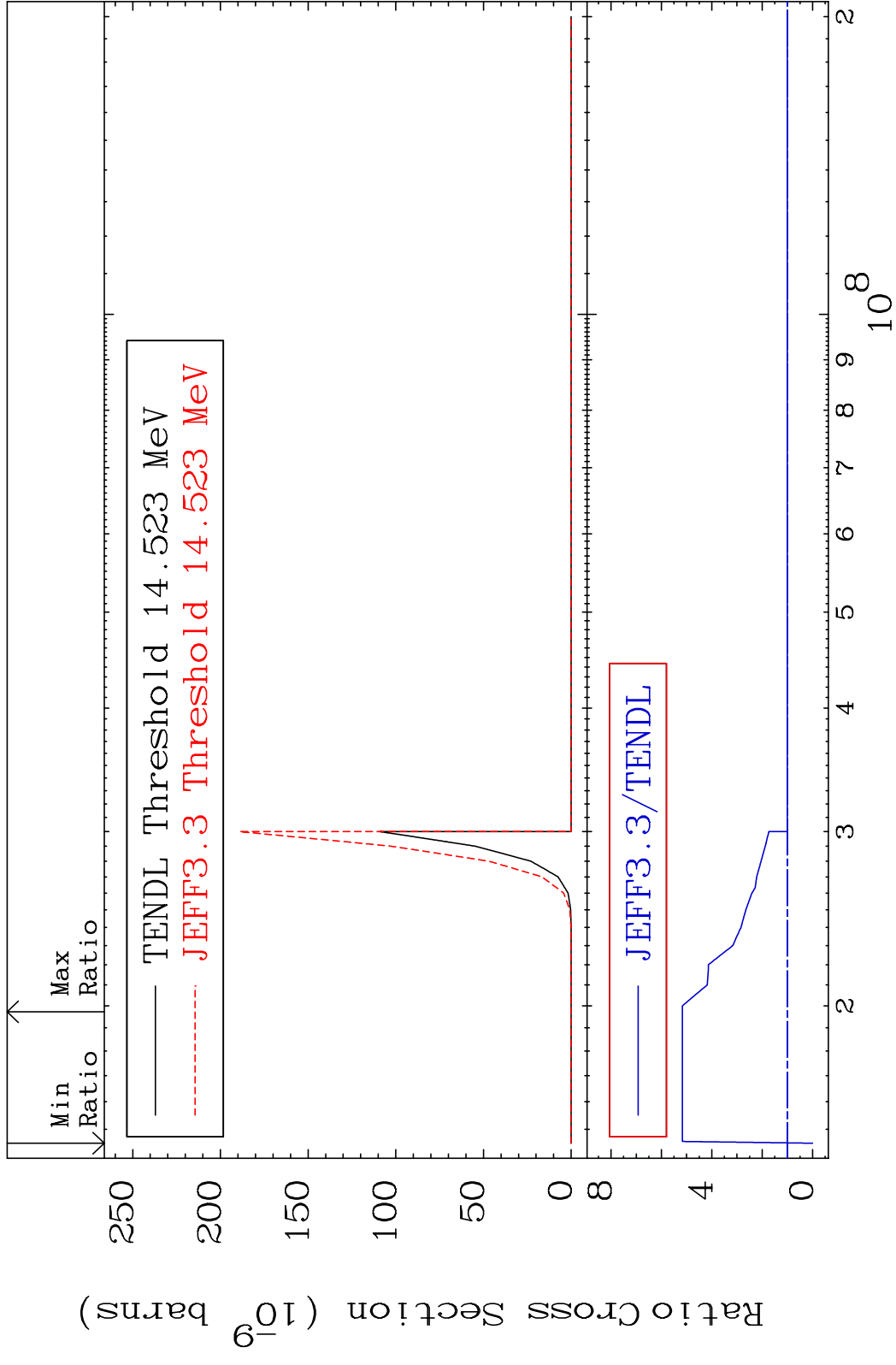
(n,p) d

57-La-137

Cross Section -100.0 To 3.707 %



MAT 5722 (n,p) t 57-La-137
 Cross Section -100.0 To 416.9 %

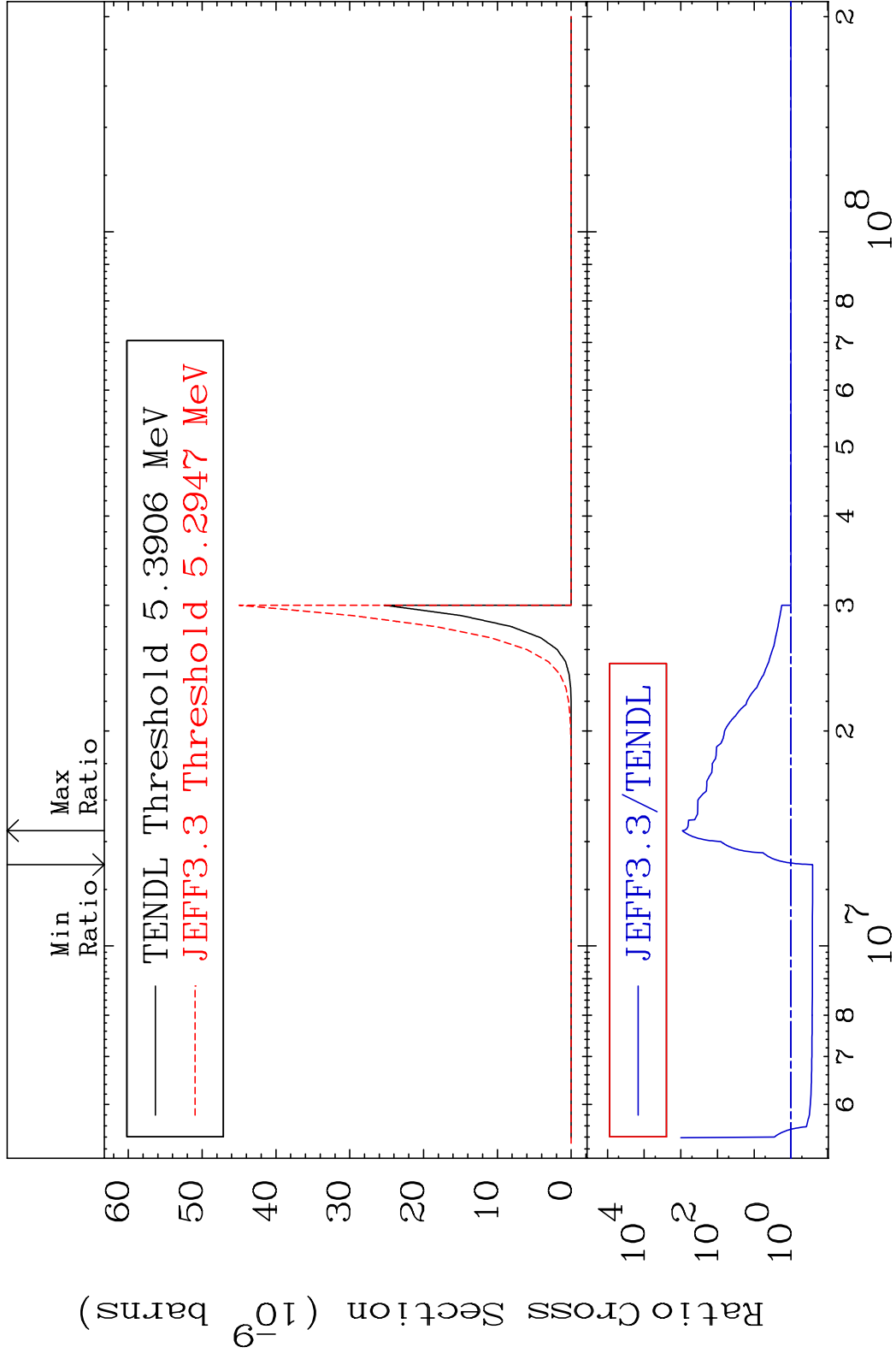


MAT 5722

(n,d) α

57-La-137

Cross Section -74.27 To 9999. %



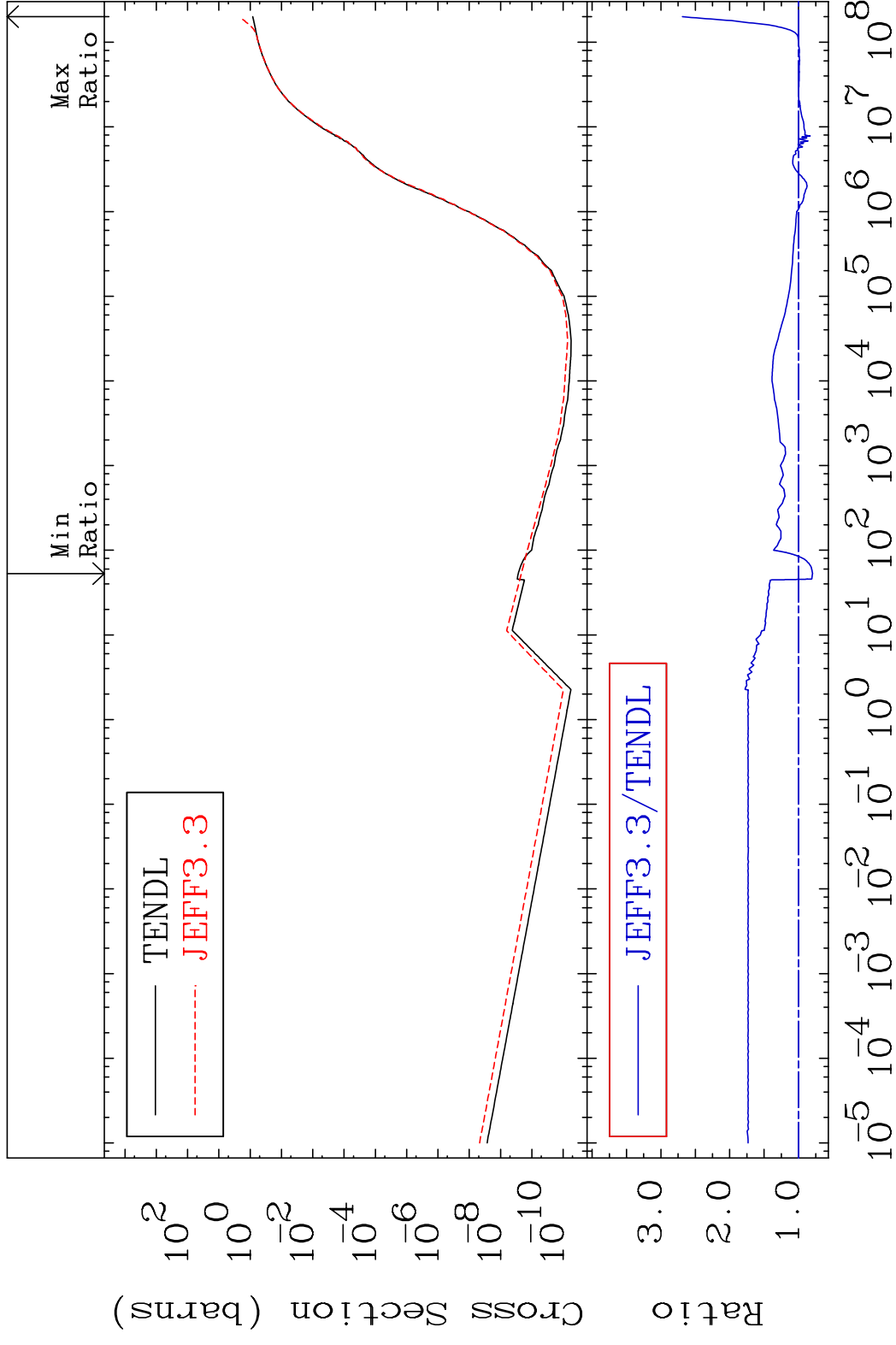
MAT 5722

Hydrogen Production

57-La-137

Cross Section

-20.43 To 168.8 %

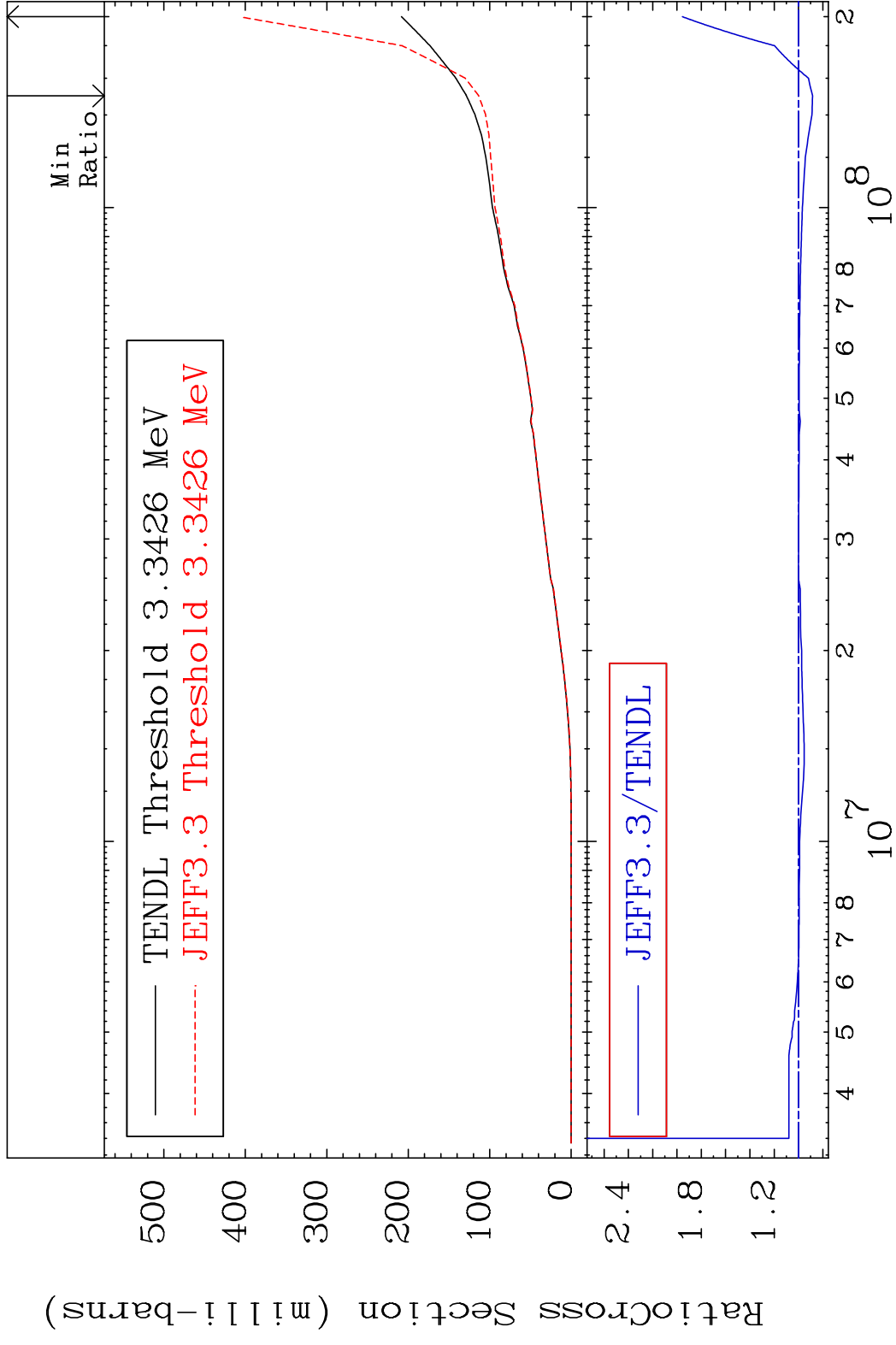


MAT 5722

Deuterium Production

57-La-137

Cross Section -11.58 To 95.60 %

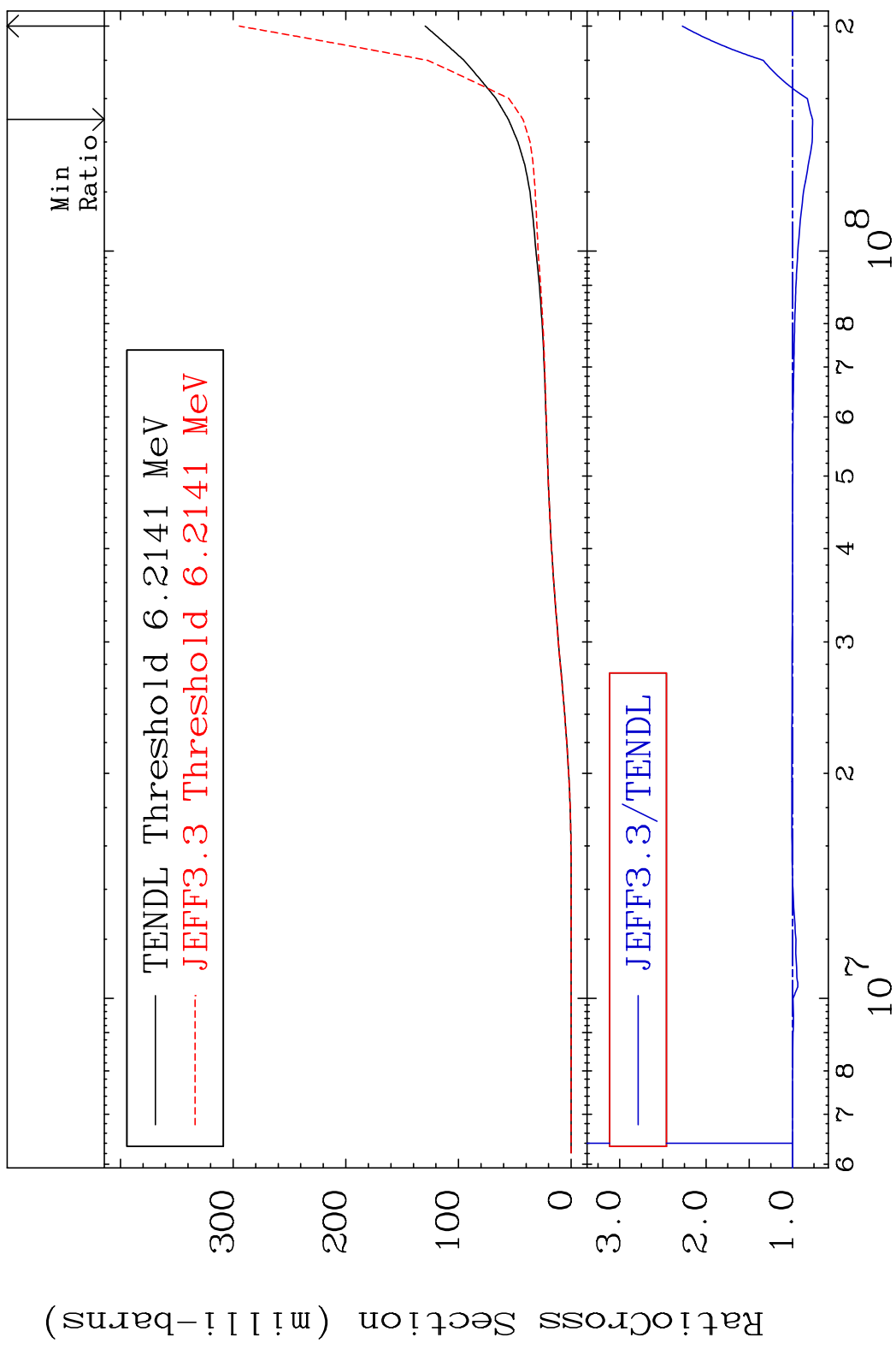


MAT 5722

Tritium Production

57-La-137

Cross Section -23.25 To 127.4 %



64

Incident Energy (eV)

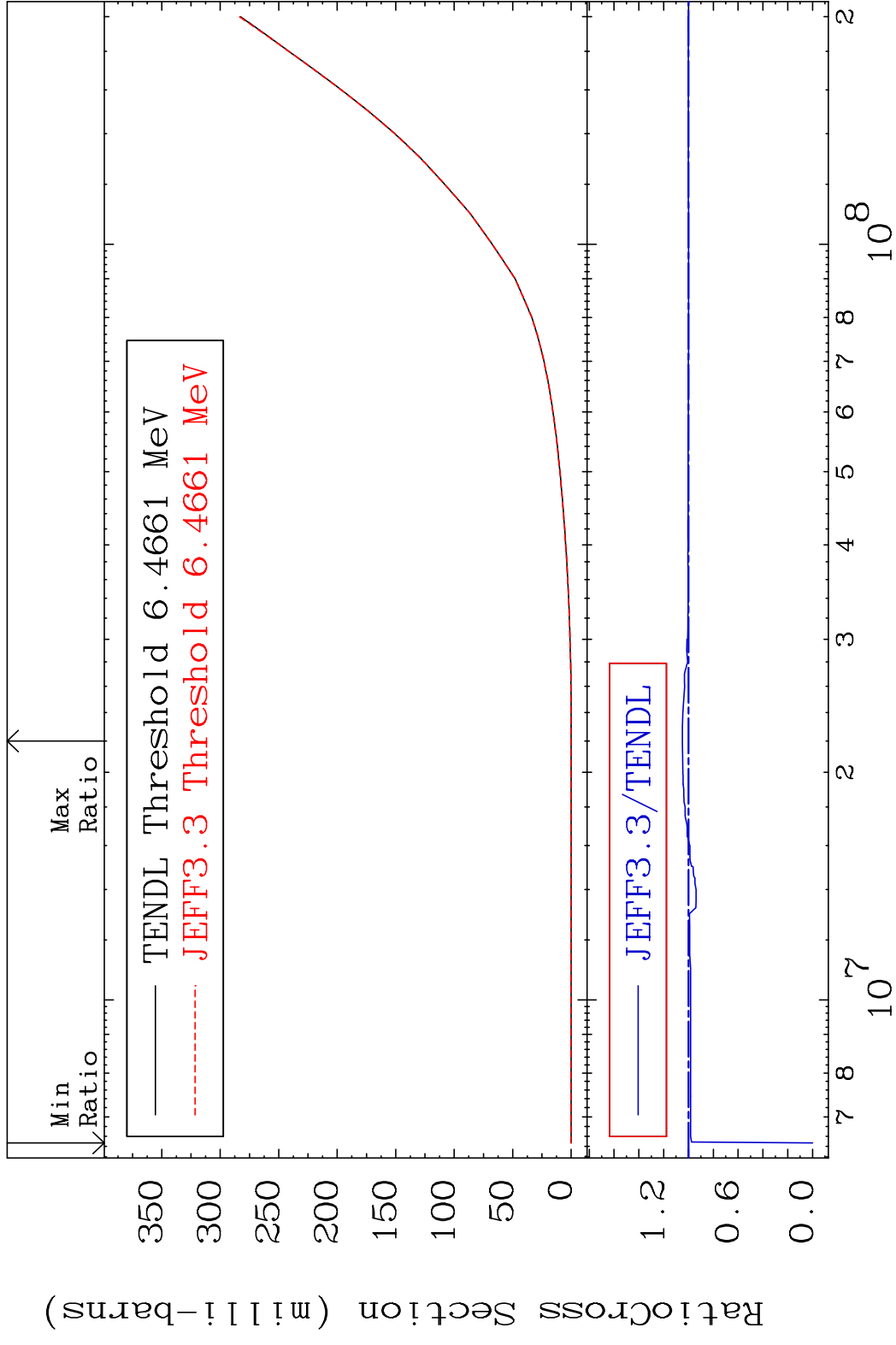
57-La-137

MAT 5722

He-3 Production

57-La-137

Cross Section -100.0 To 4.953 %

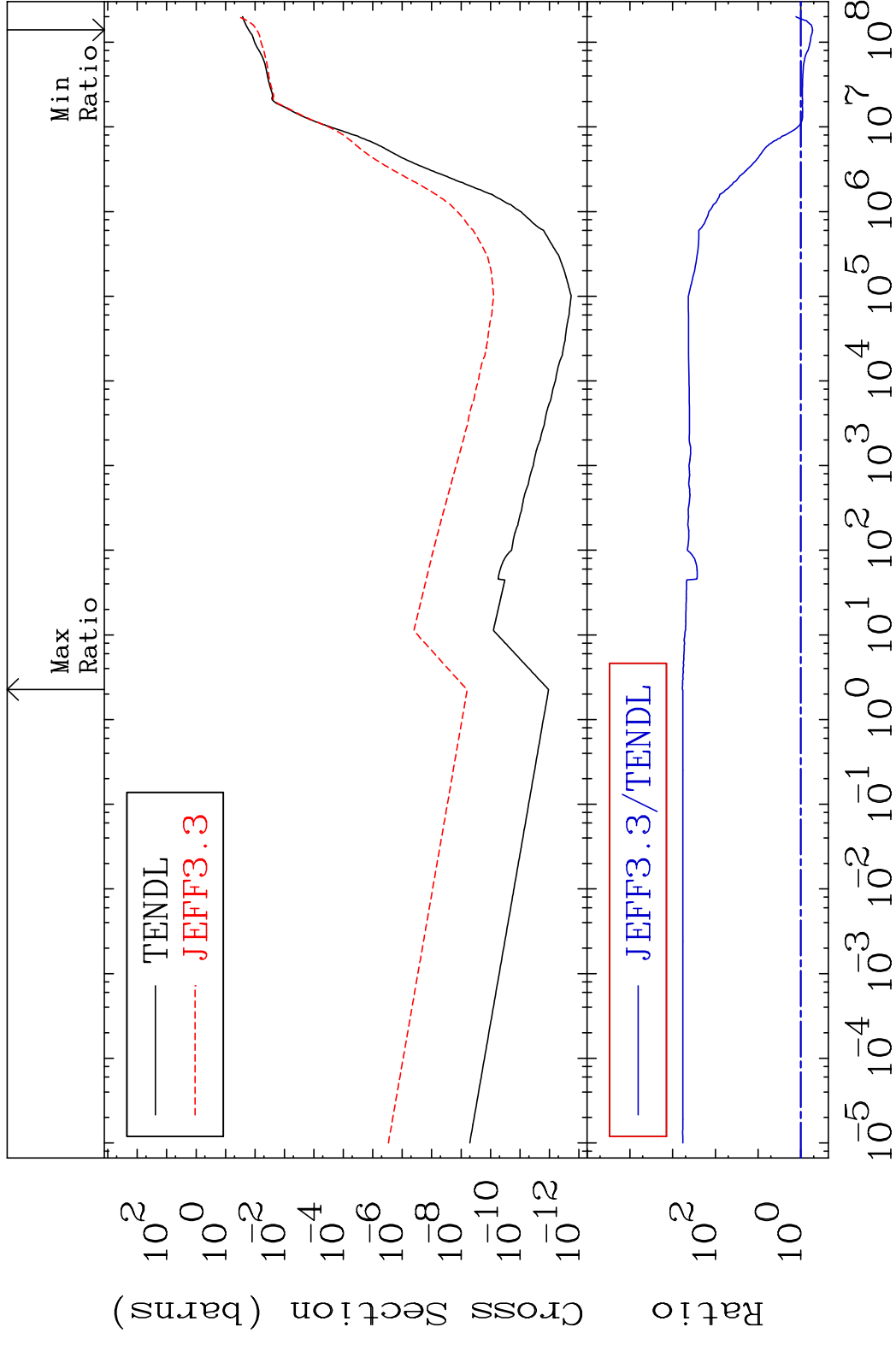


MAT 5722

He-4 Production

57-La-137

Cross Section -46.91 To 9999. %



66

Incident Energy (eV)

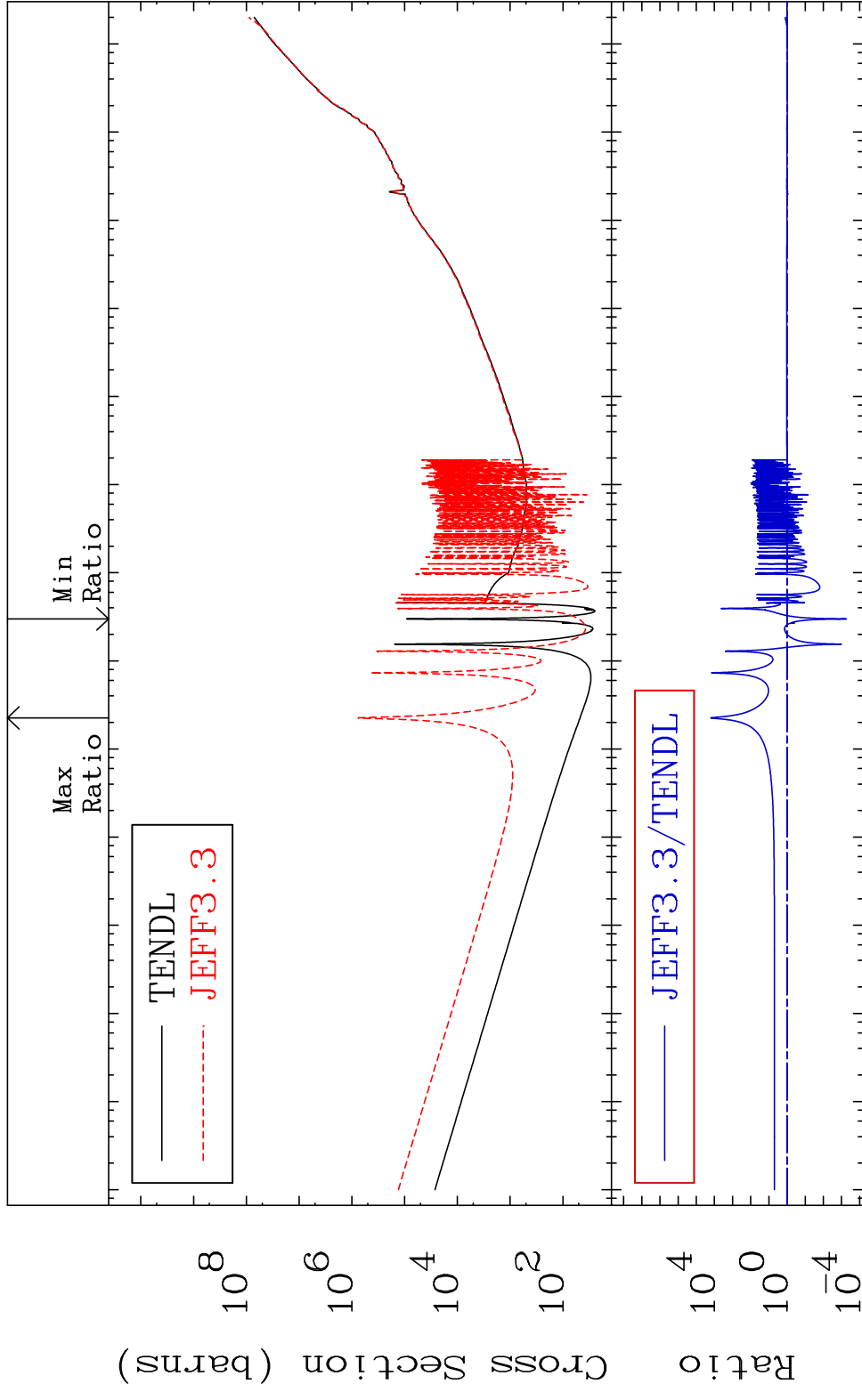
57-La-137

MAT 5722

Kerma total (eV-barns)

57-La-137

Cross Section -99.95 To 9999. %



67

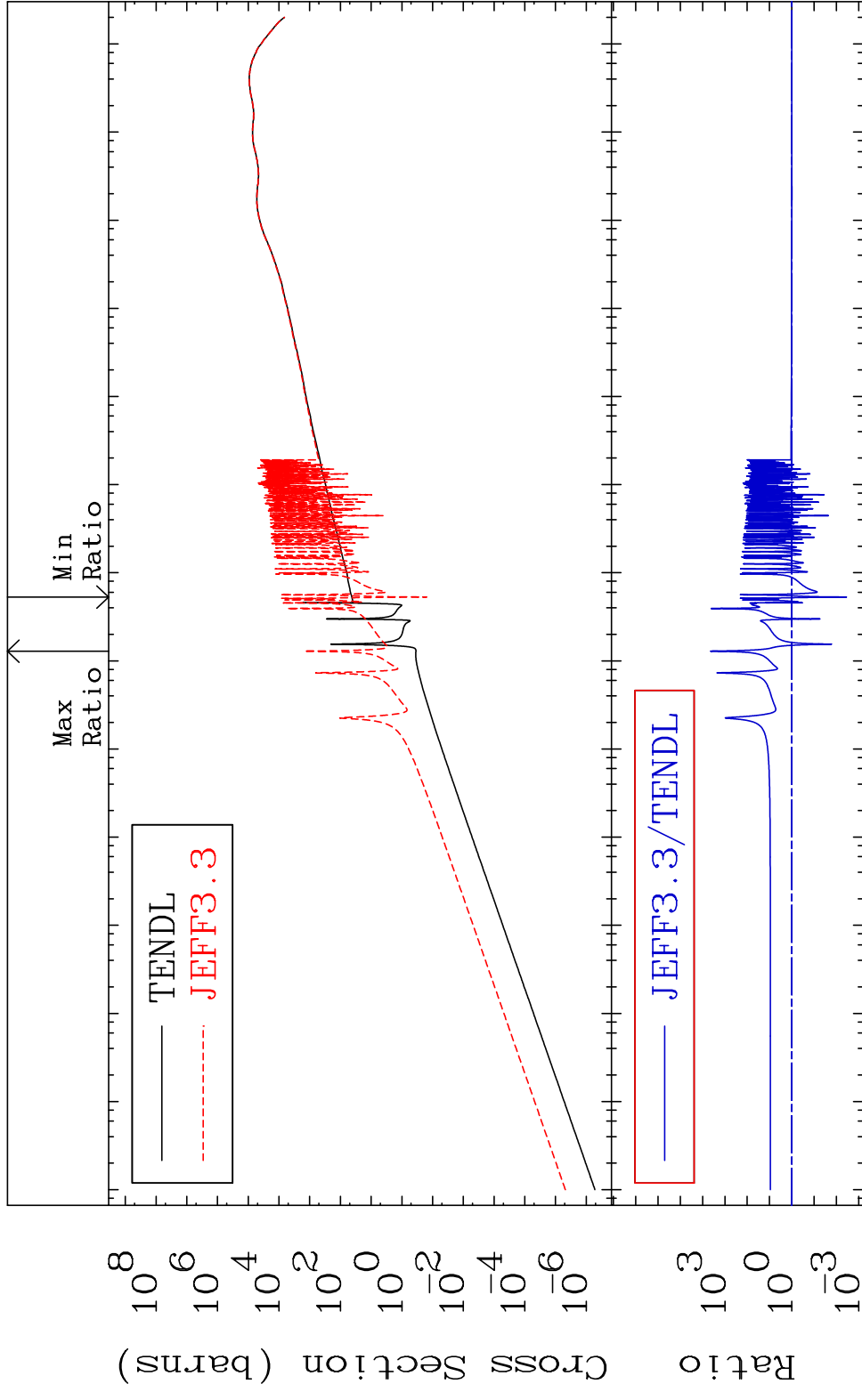
Incident Energy (eV)

57-La-137

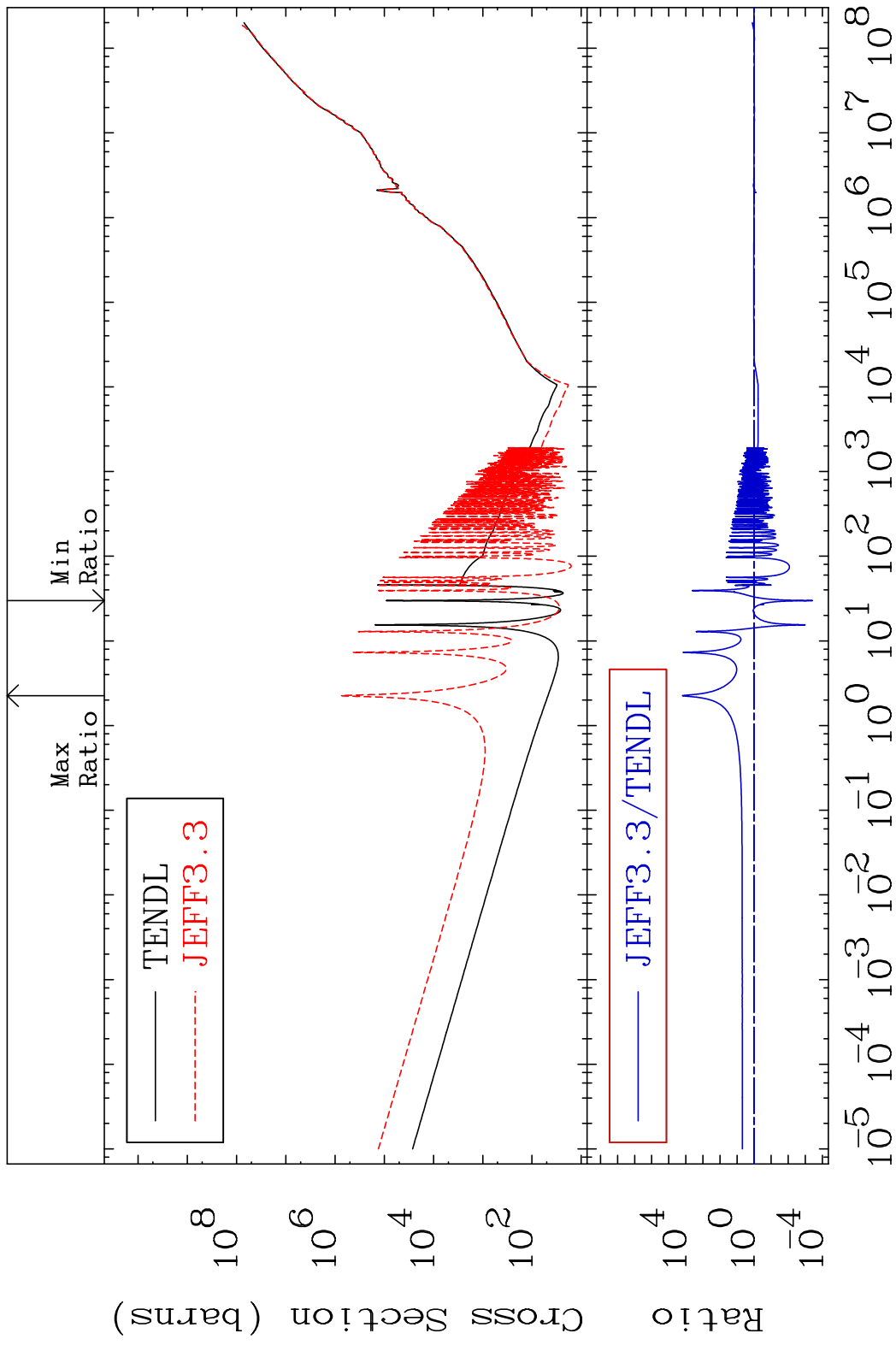
MAT 5722

Kerma elastic Cross Section -99.64 To 9999. %

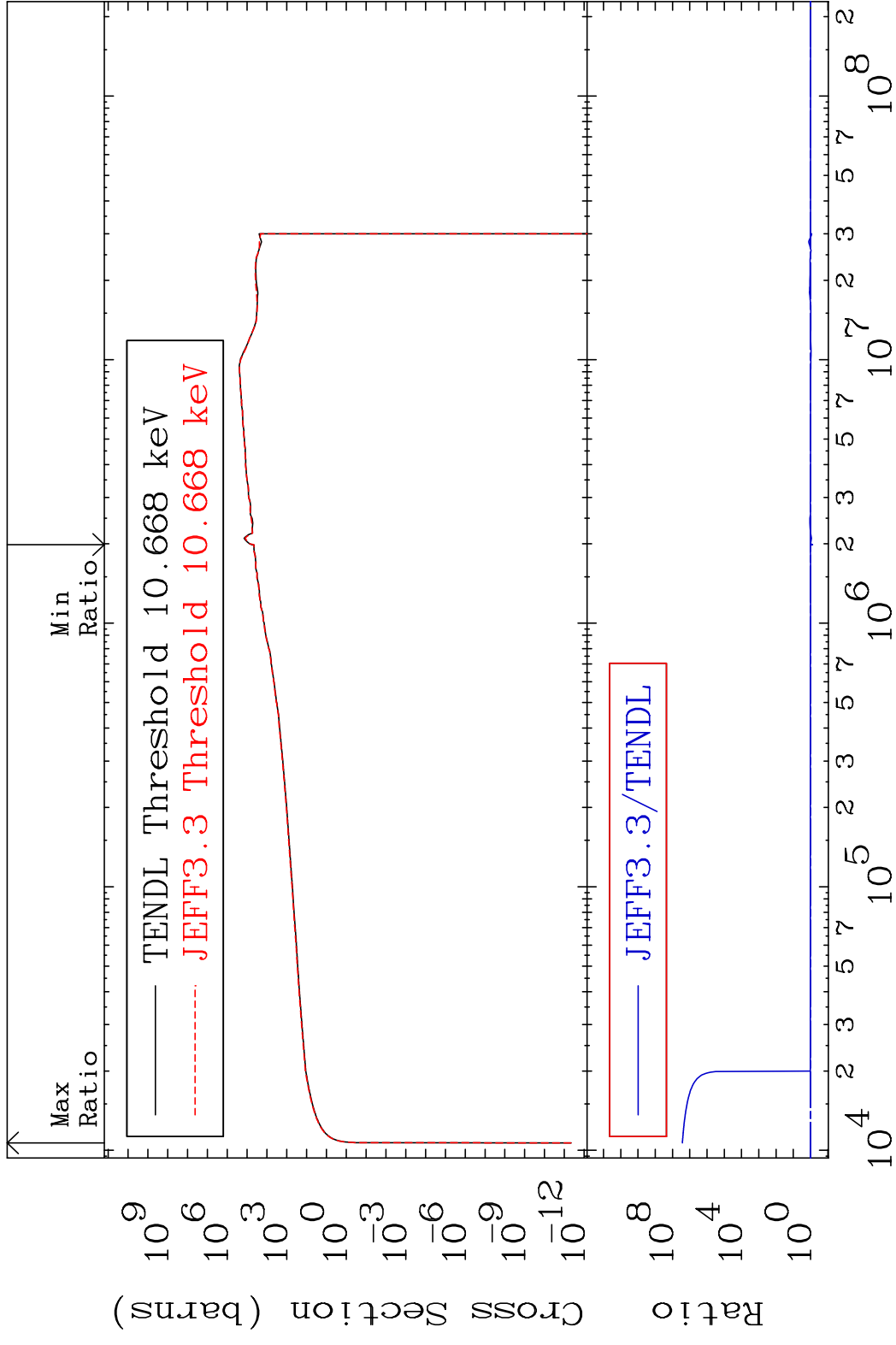
57-La-137



MAT 5722 Kerma non-elastic (all but mt2) 57-La-137
 Cross Section -99.96 To 9999. %

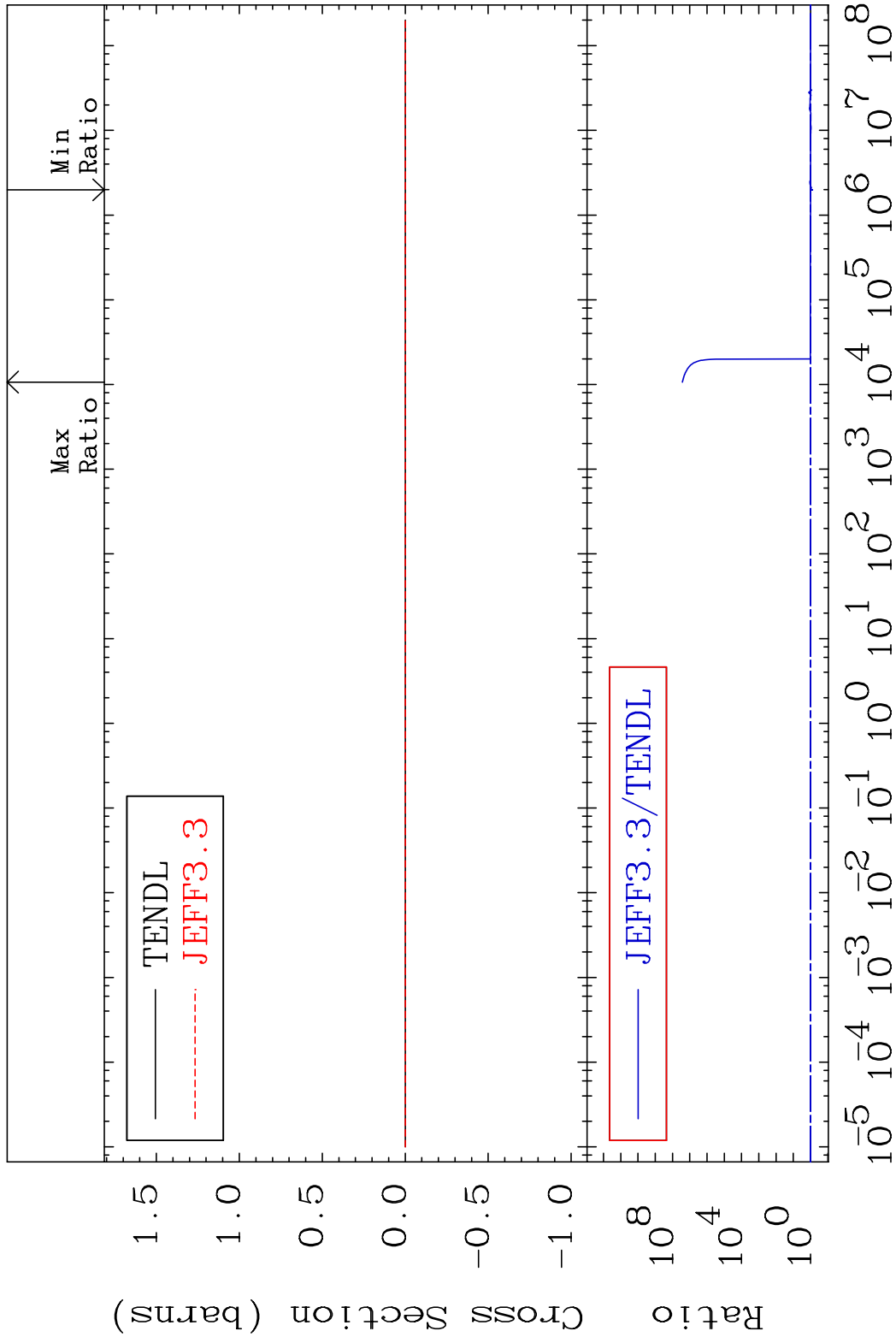


MAT 5722 Kerma inelastic (mt51-91) 57-La-137
 Cross Section -23.04 To 9999. %



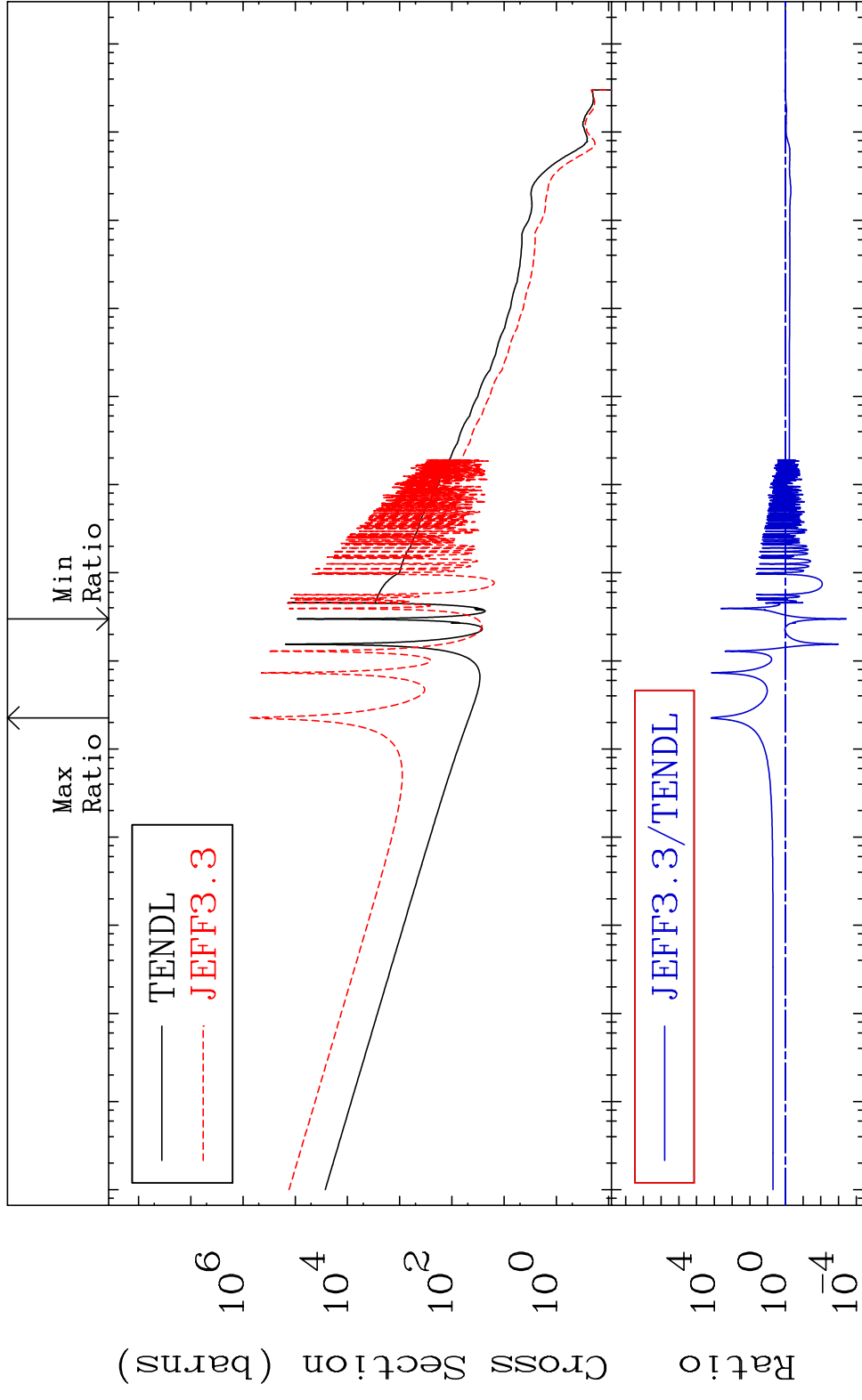
70 Incident Energy (eV) 57-La-137

MAT 5722 Kerma fission (mt18 or mt19-20-21-38) 57-La-137
 Cross Section -23.04 To 9999. %



MAT 5722

Kerma capture (mt102) 57-La-137
Cross Section -99.96 To 9999. %

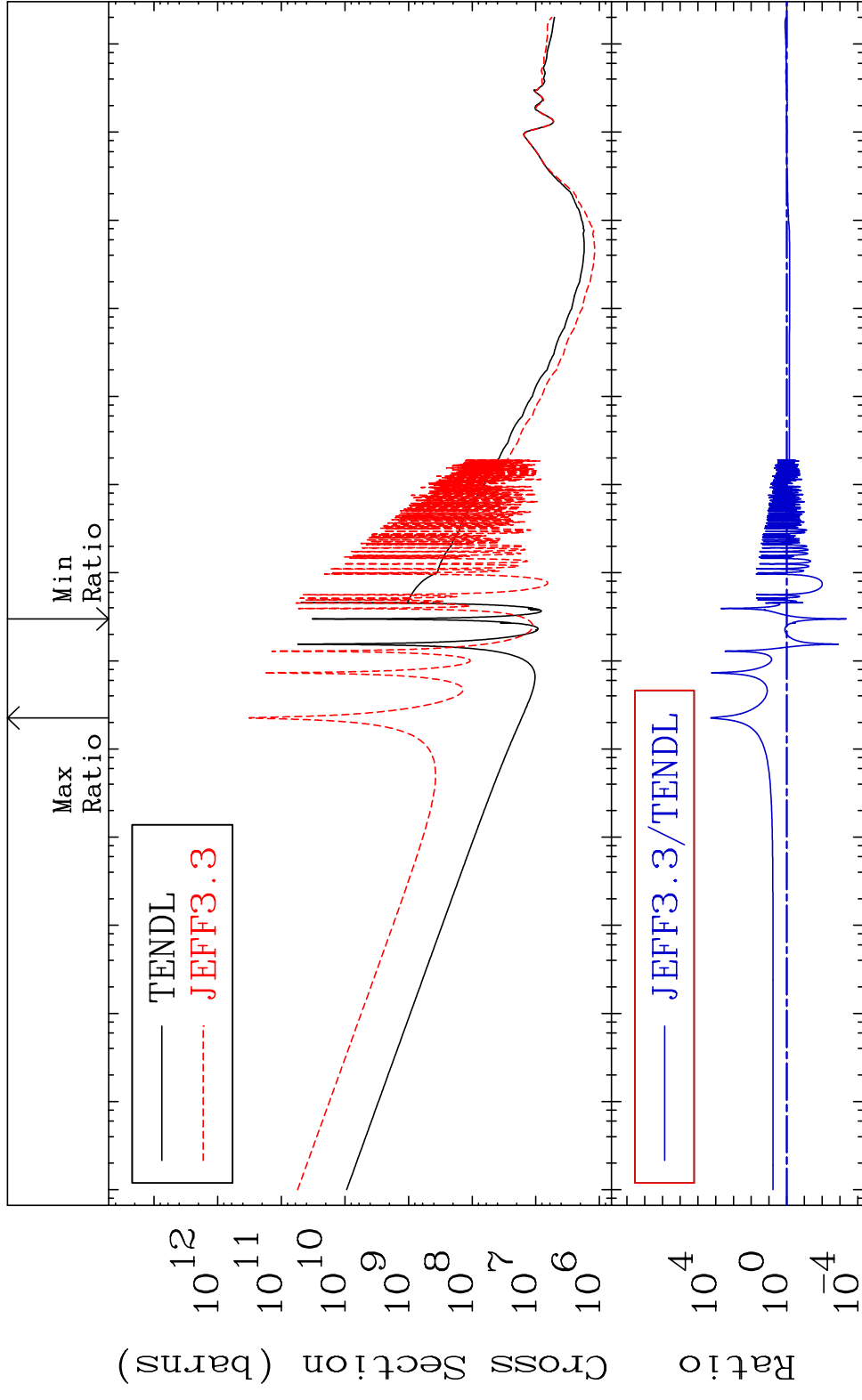


72

Incident Energy (eV)

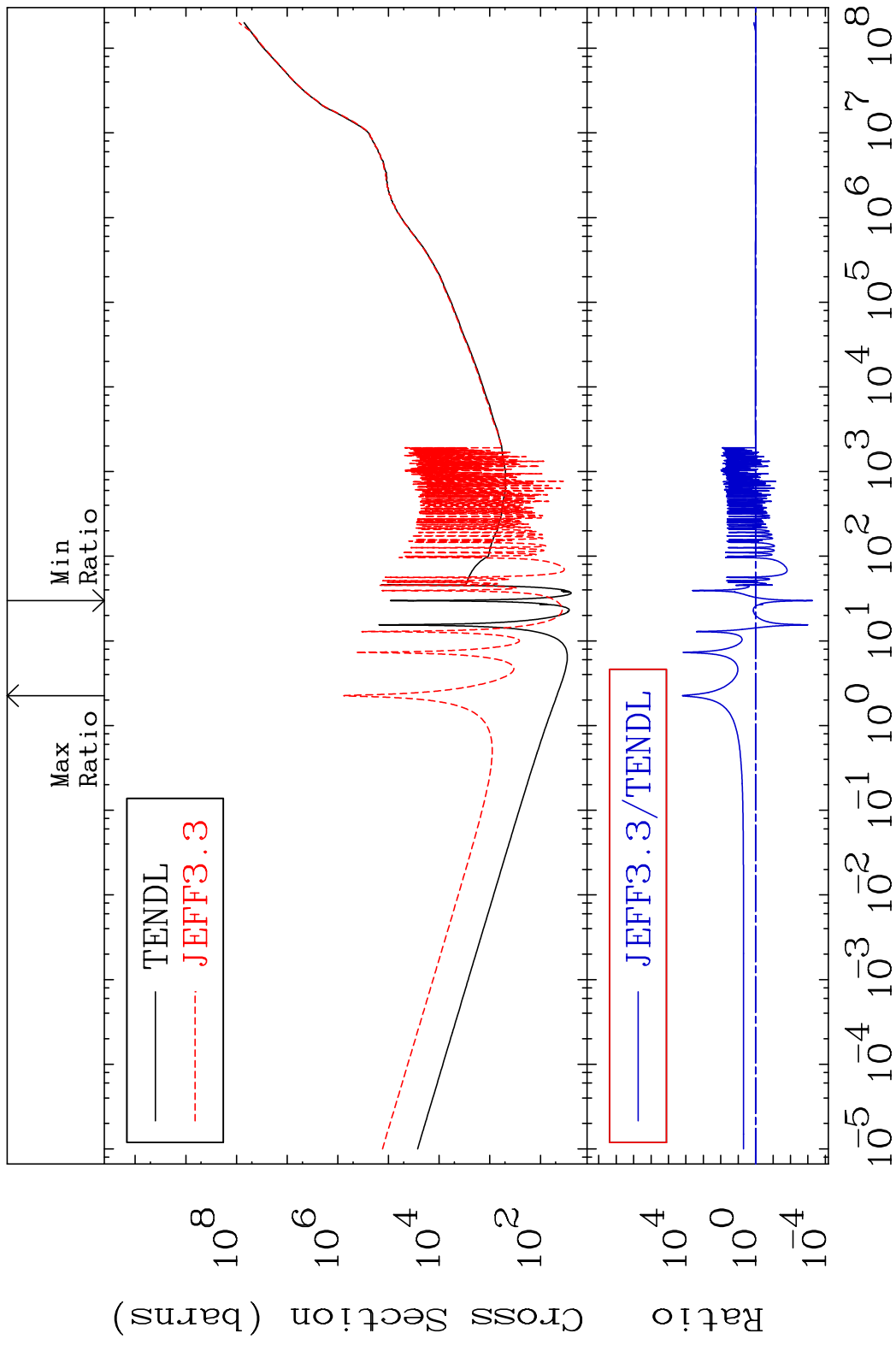
57-La-137

MAT 5722 Total photon (eV-barns) 57-La-137
 Cross Section -99.96 To 9999. %



73 Incident Energy (eV) 57-La-137

MAT 5722 Total kinematic kerma (high limit) 57-La-137
 Cross Section -99.95 To 9999. %

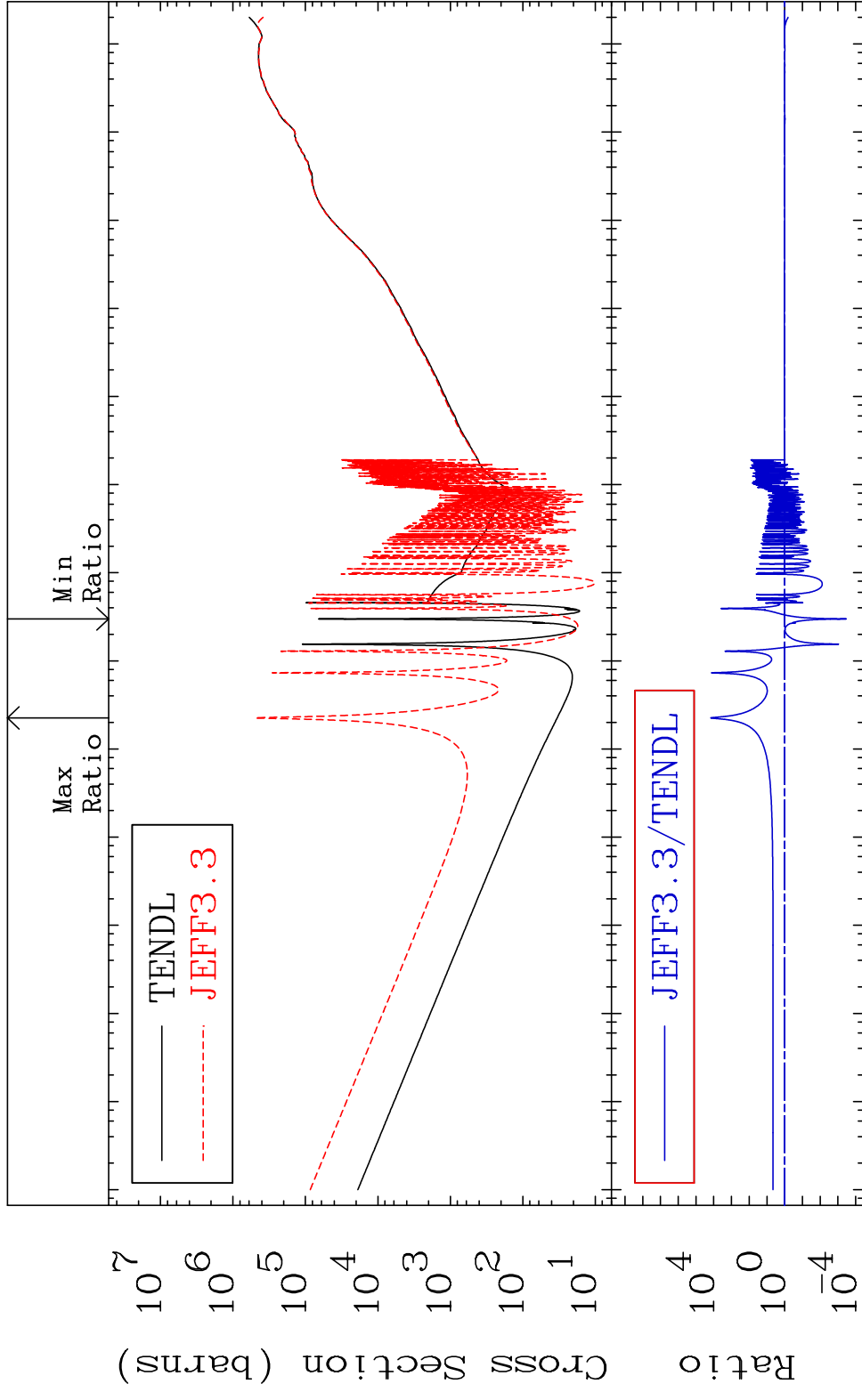


MAT 5722

Dpa total (eV-barns)

57-La-137

Cross Section -99.97 To 9999. %



75

Incident Energy (eV)

57-La-137

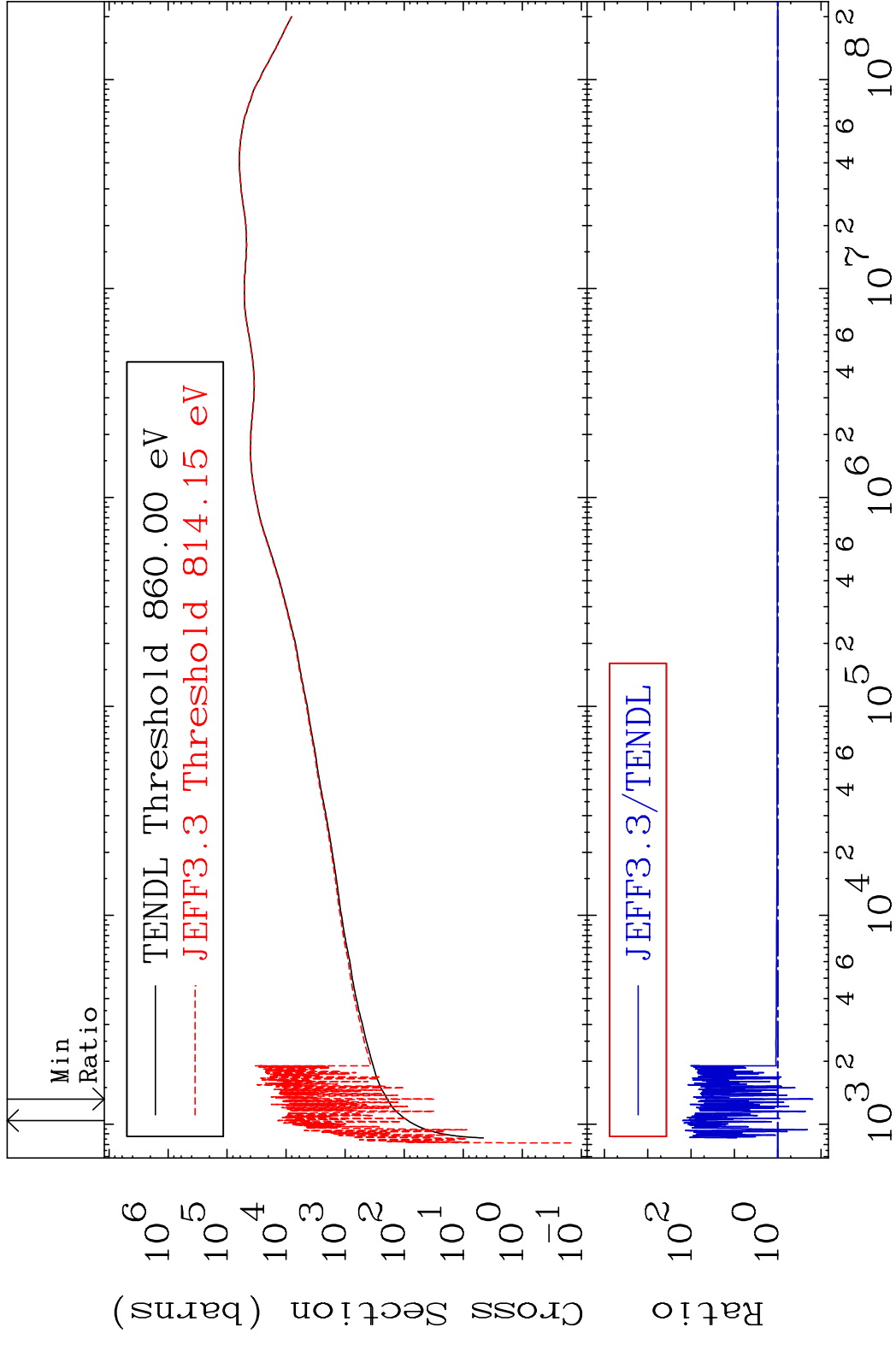
MAT 5722

Dpa elastic (mt2)

57-La-137

Cross Section

-84.38 To 9999. %



76

Incident Energy (eV)

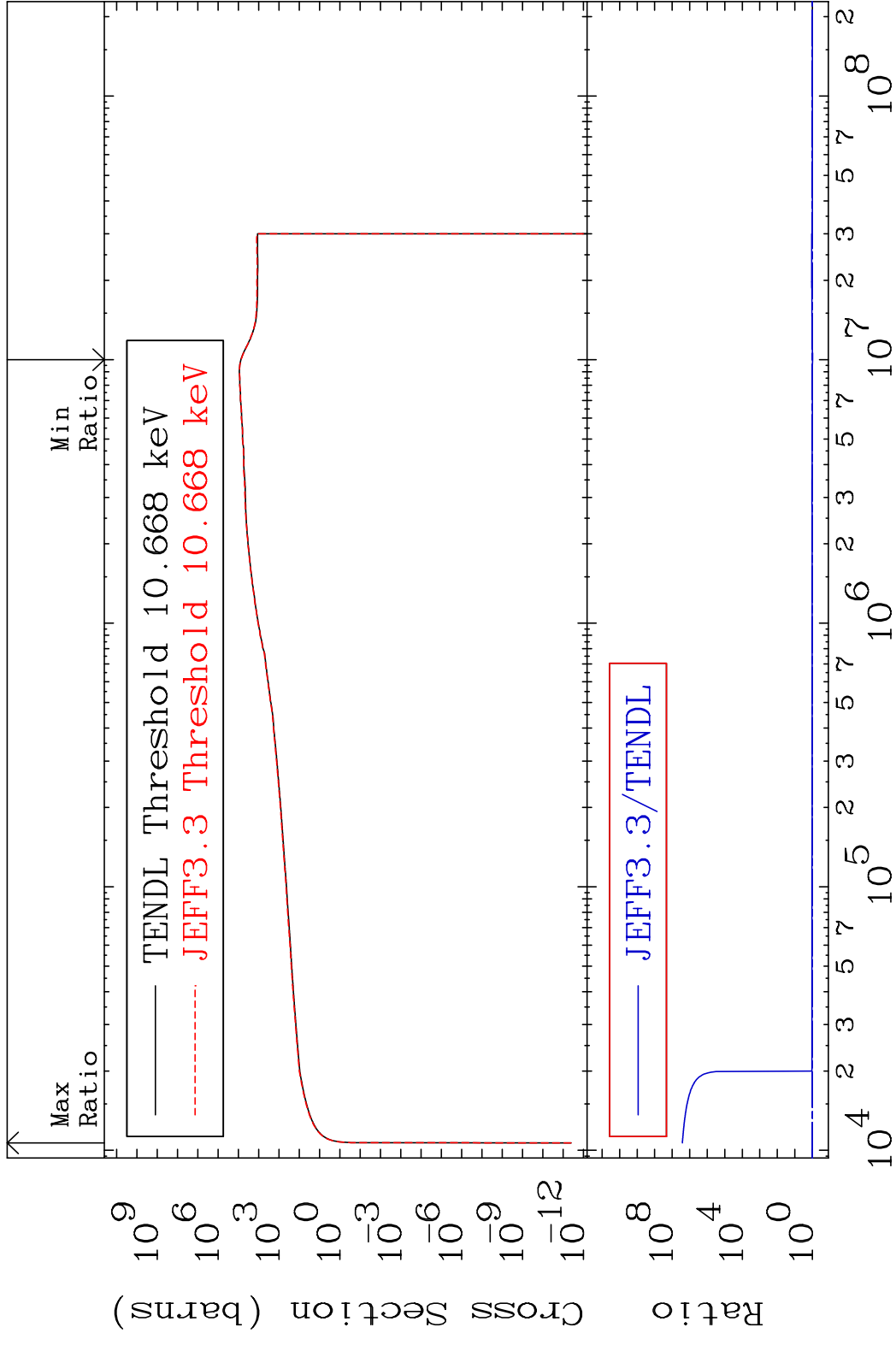
57-La-137

MAT 5722

Dpa inelastic (mt51-91)

57-La-137

Cross Section -2.541 To 9999. %

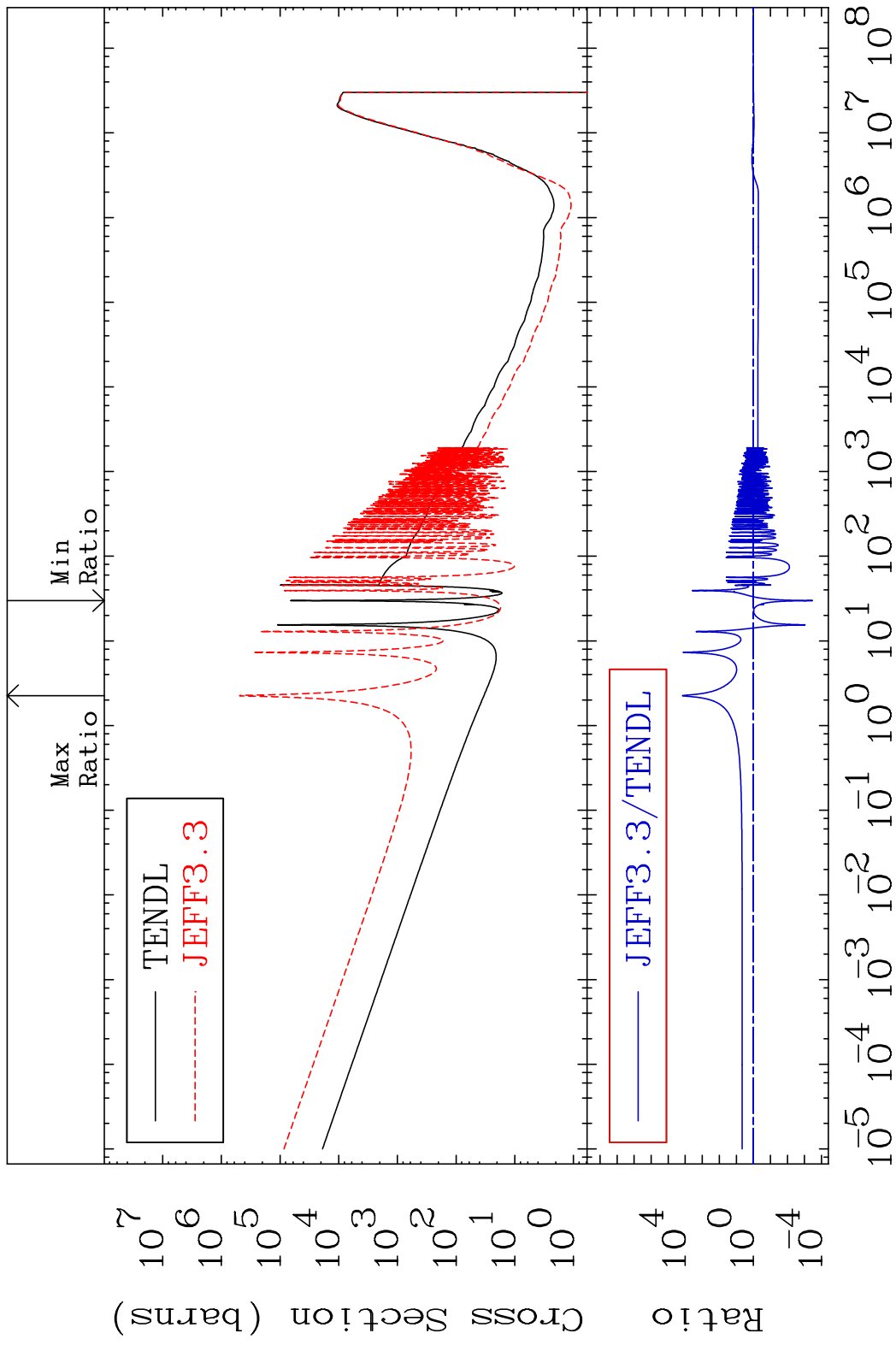


77

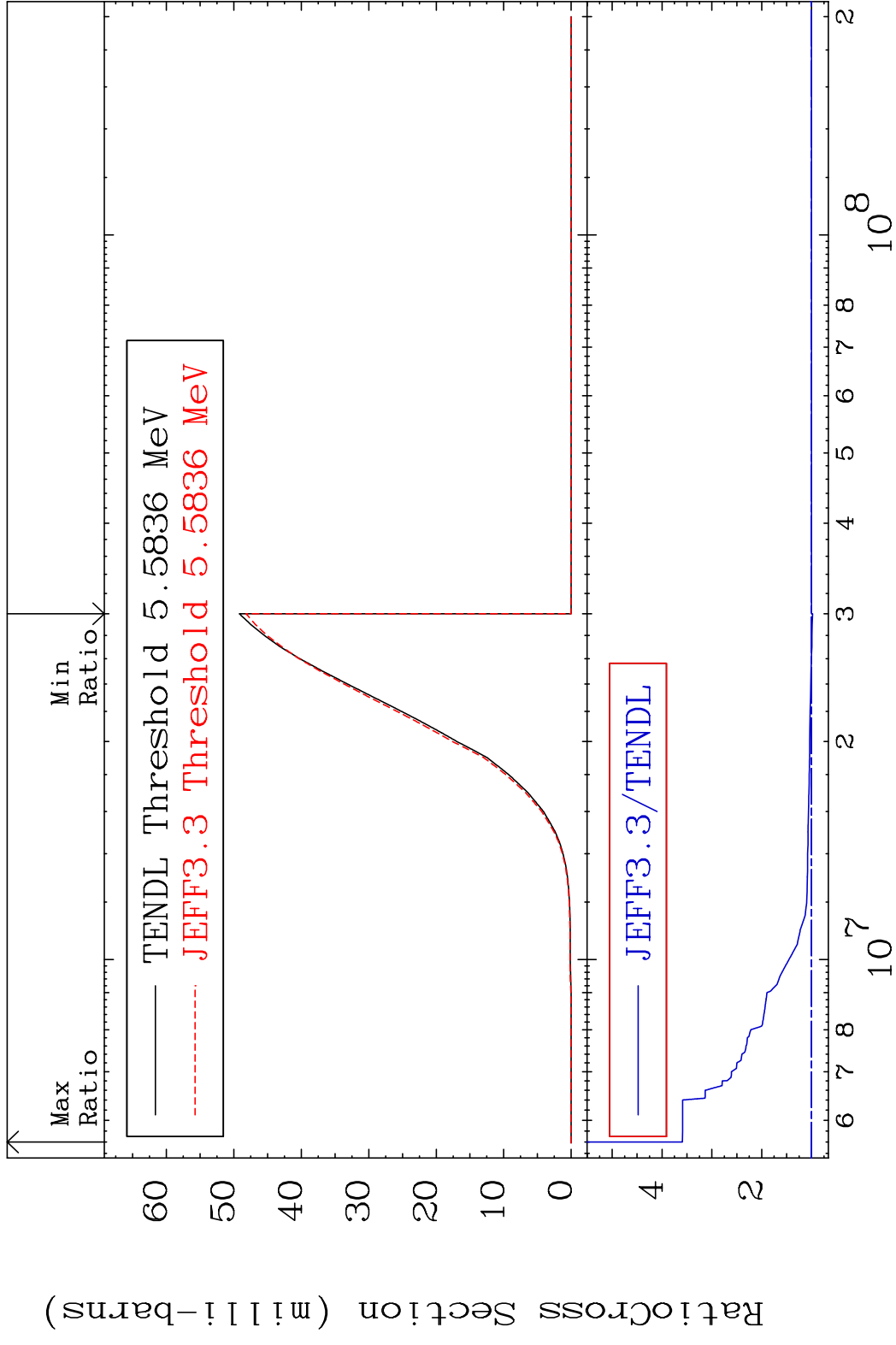
Incident Energy (eV)

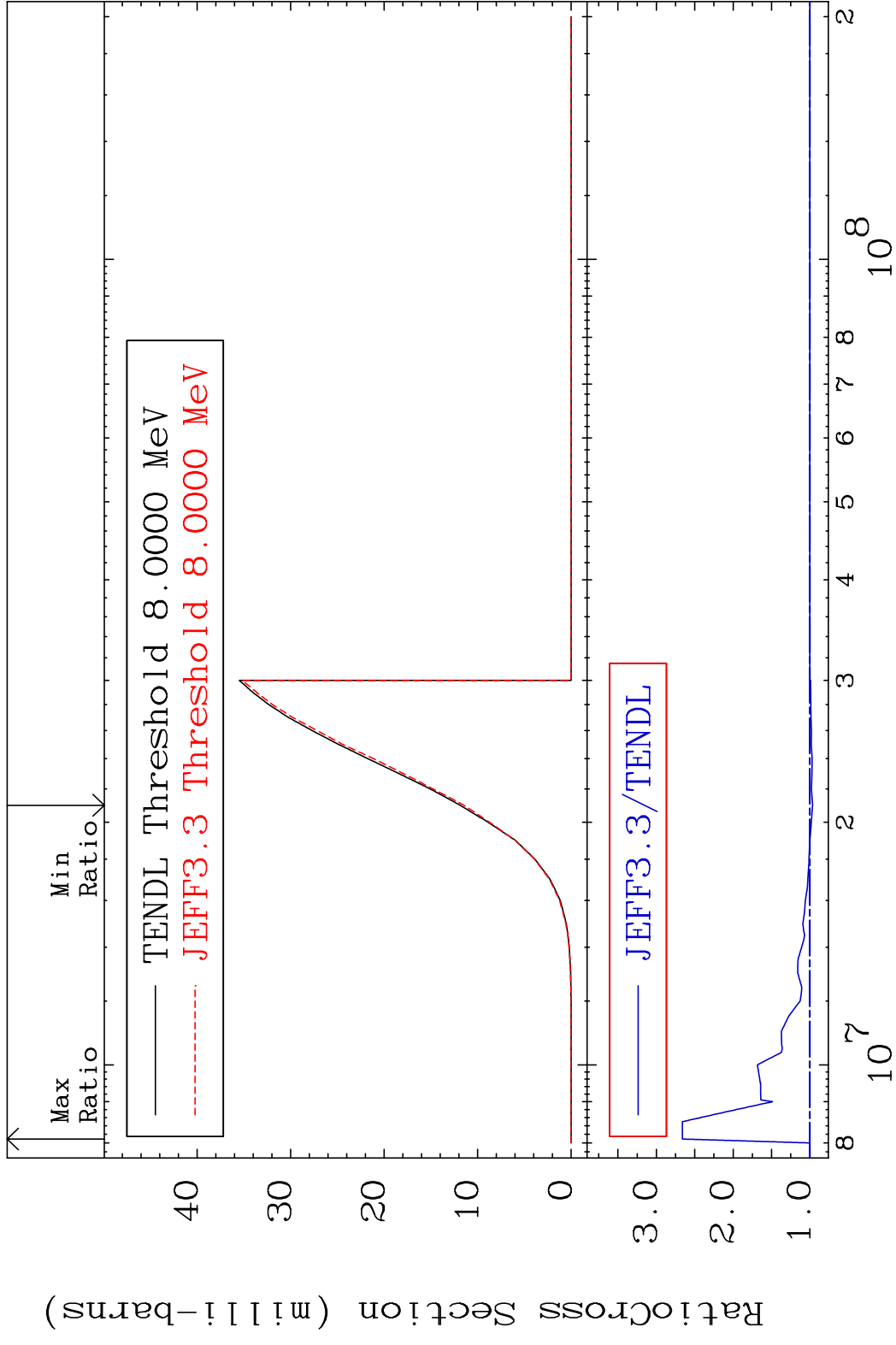
57-La-137

MAT 5722 Dpa disappearance (mt102 -120) 57-La-137
 Cross Section -99.97 To 9999. %

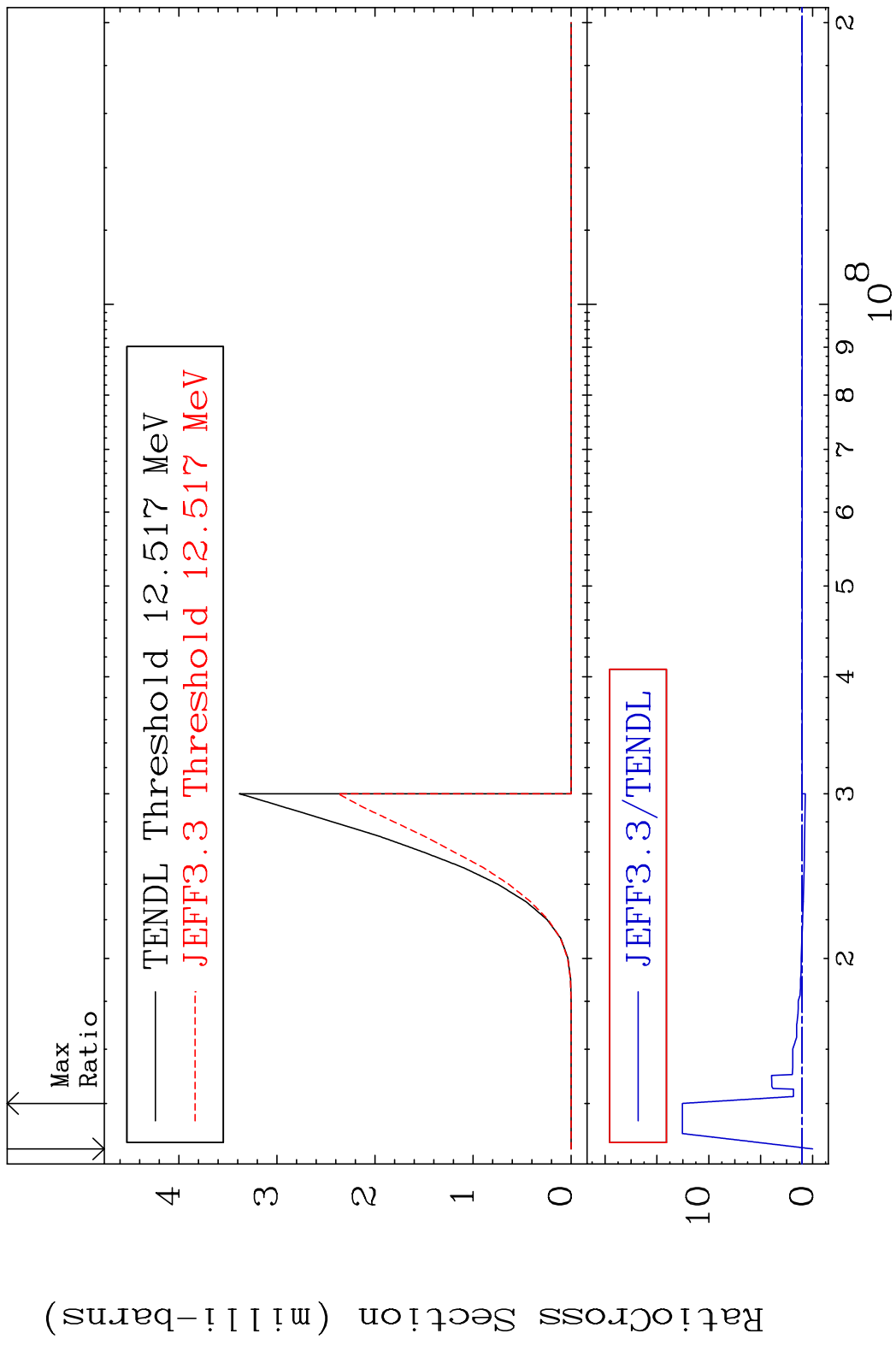


MAT 5722 (n, n') p:56-Ba-136g 57-La-137
 Radionuclide Production Cross Section 259.2 %

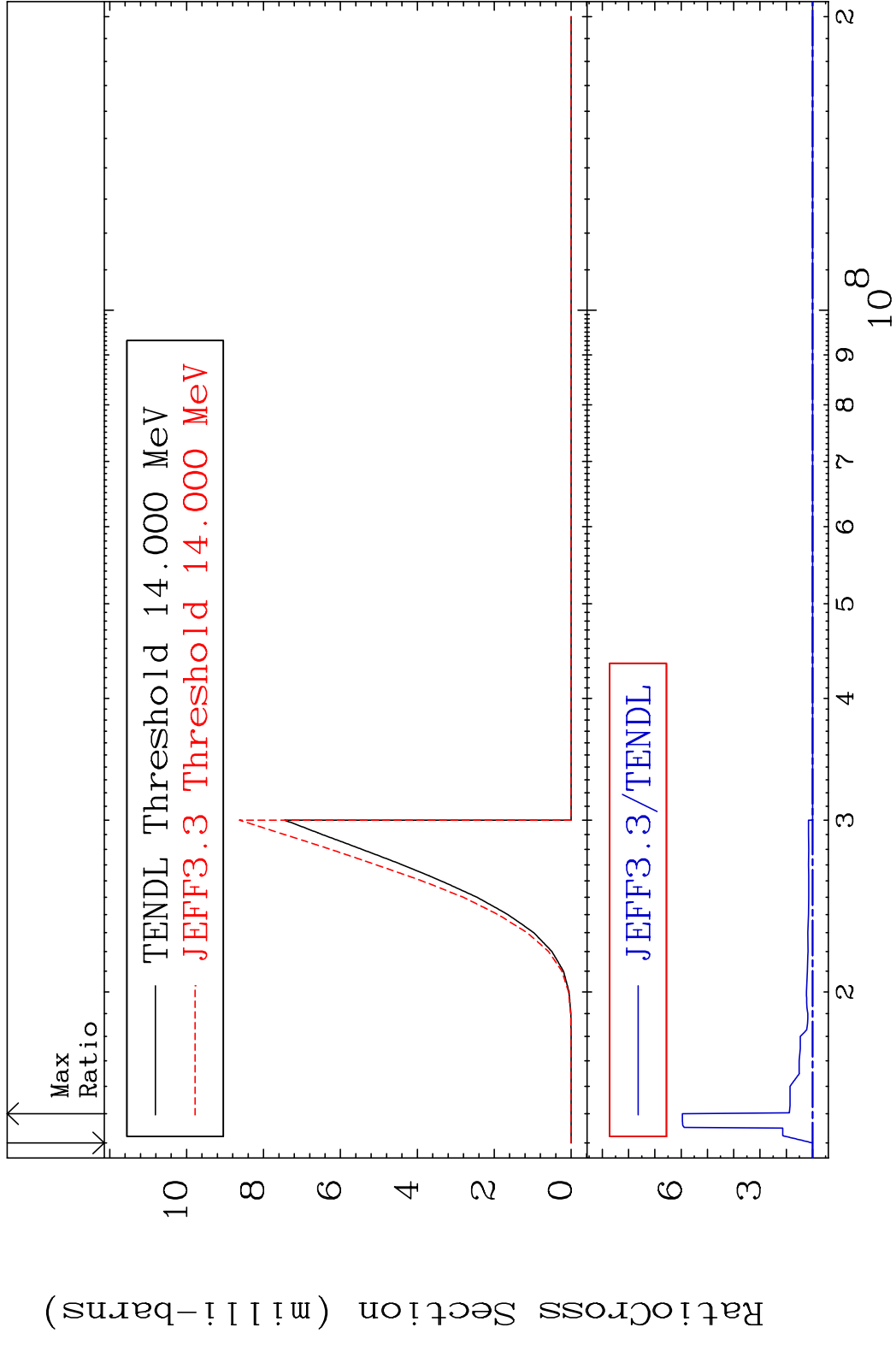


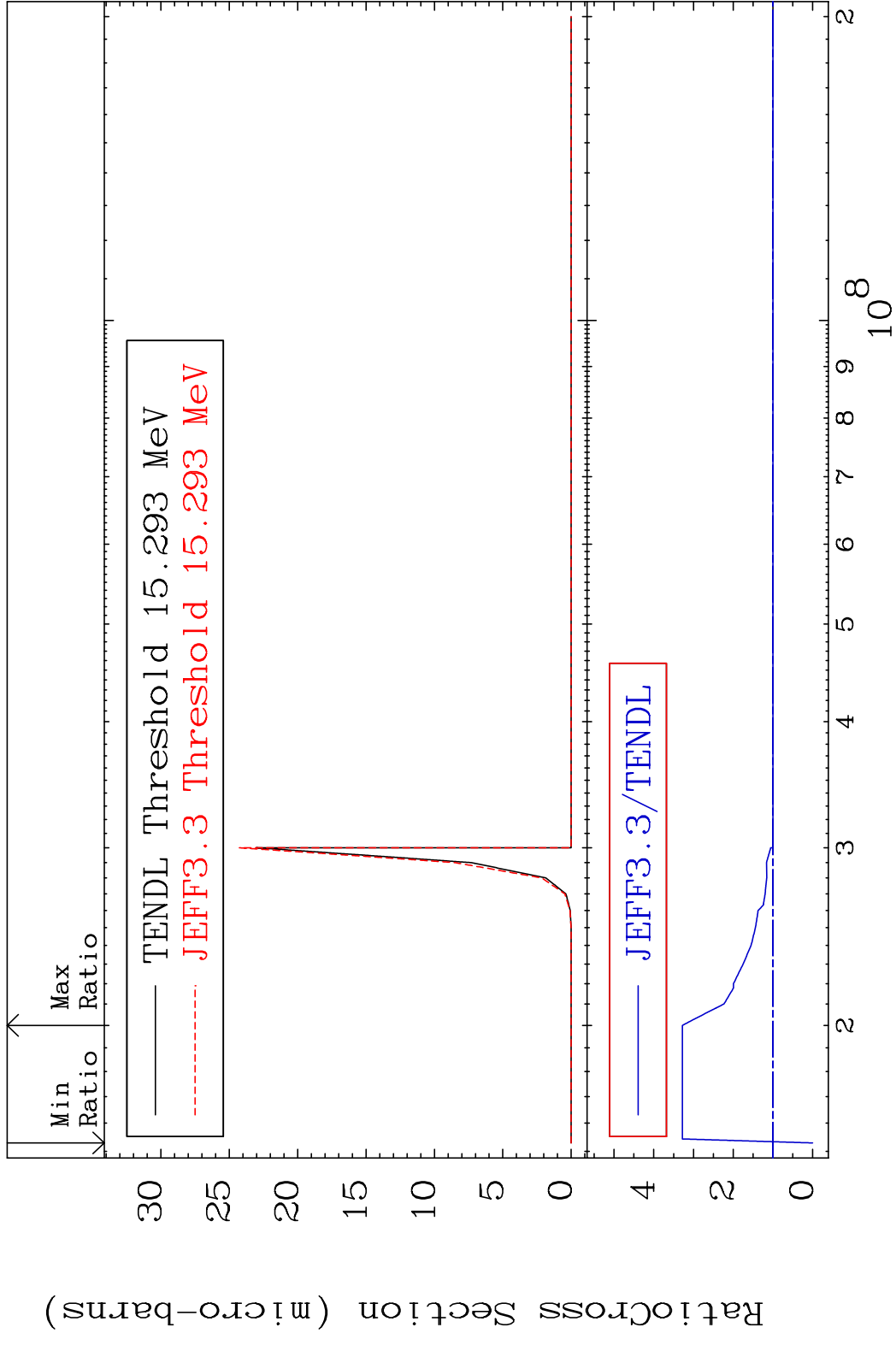


MAT 5722 (n, n') d:56-Ba-135g 57-La-137
 Radionuclide Production Cross Section 1800 d to 1155. %

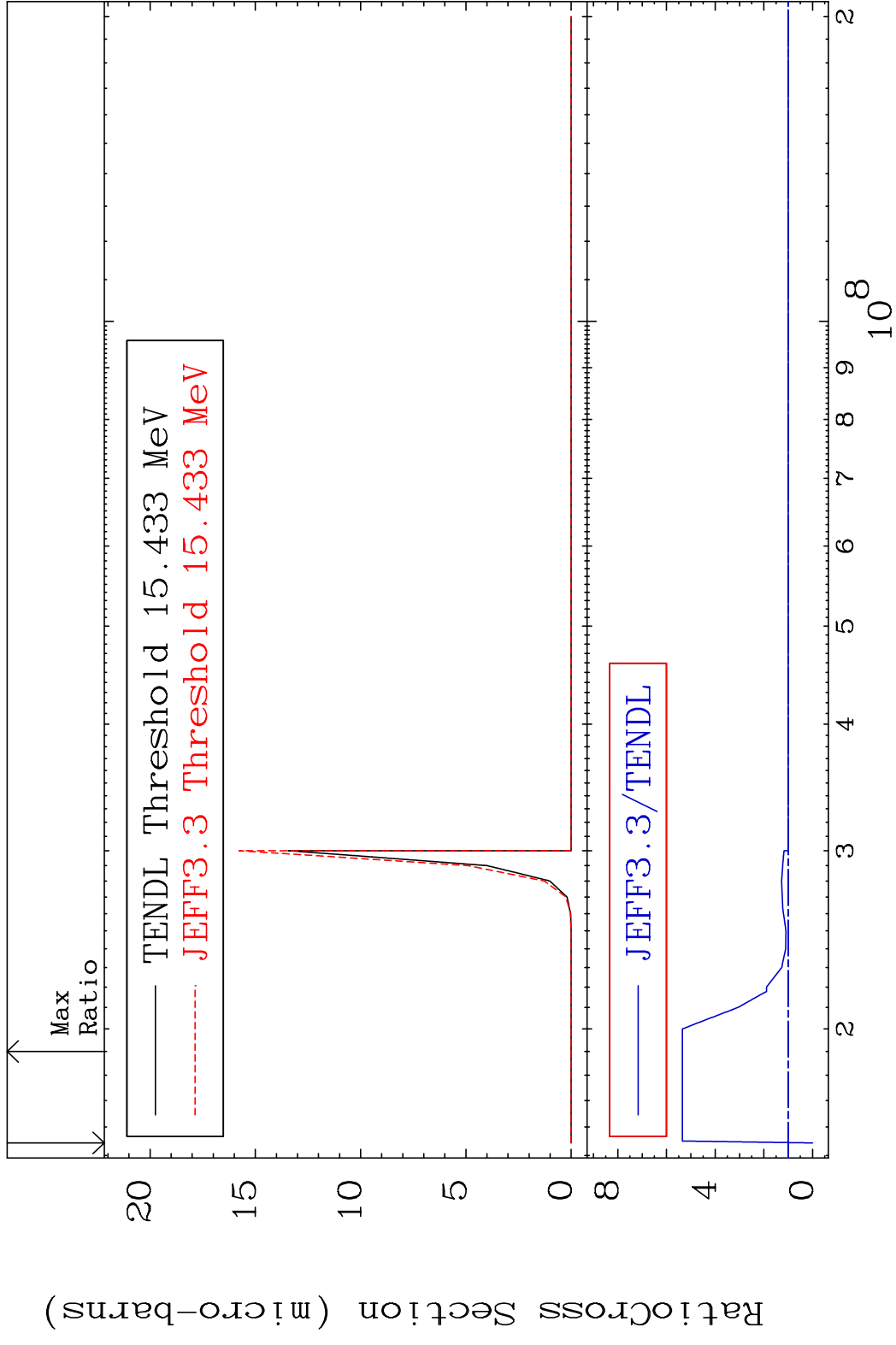


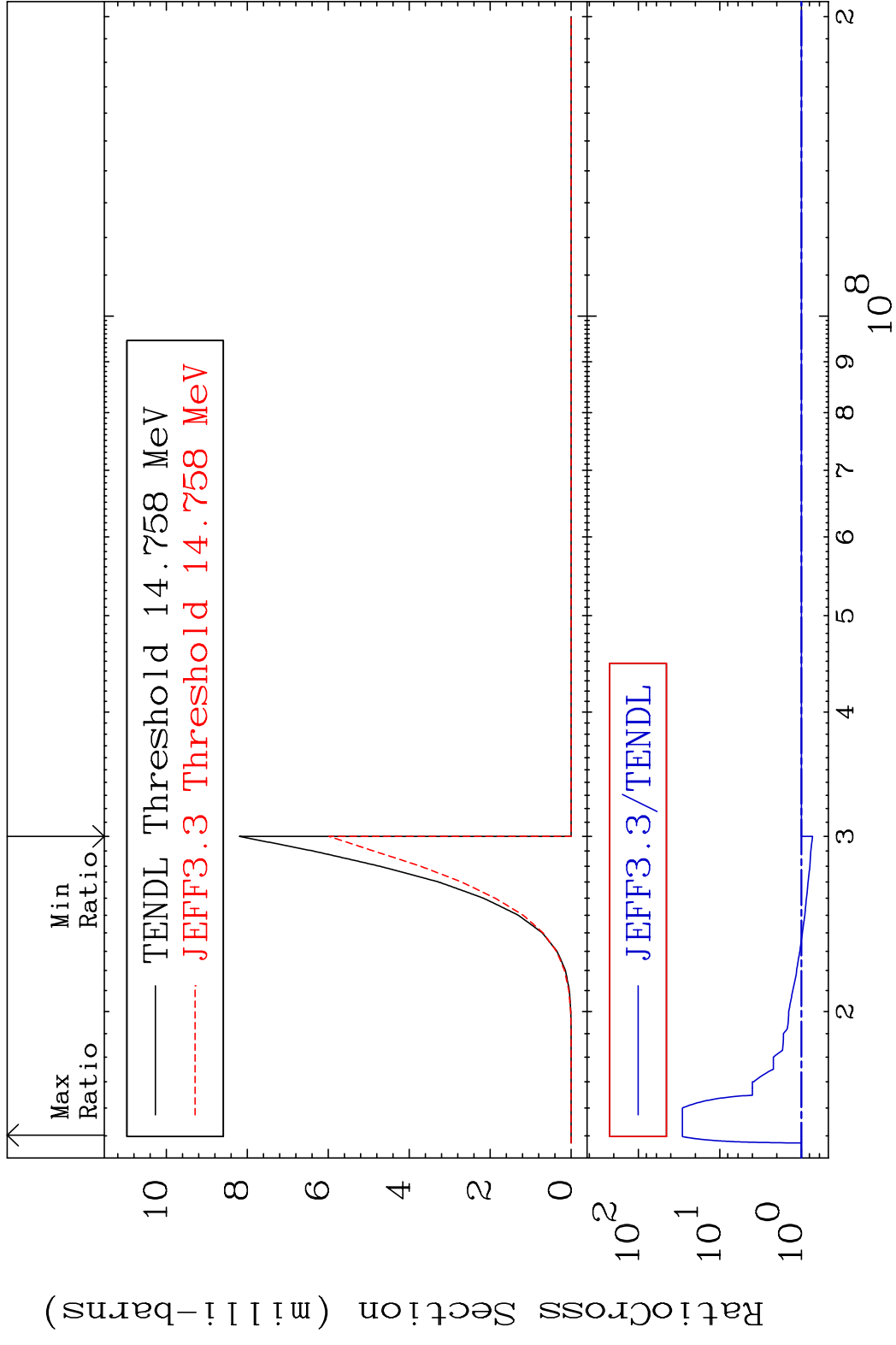
MAT 5722 (n, n') d:56-Ba-135m2 57-La-137
 Radionuclide Production Cross Section 495.5 %

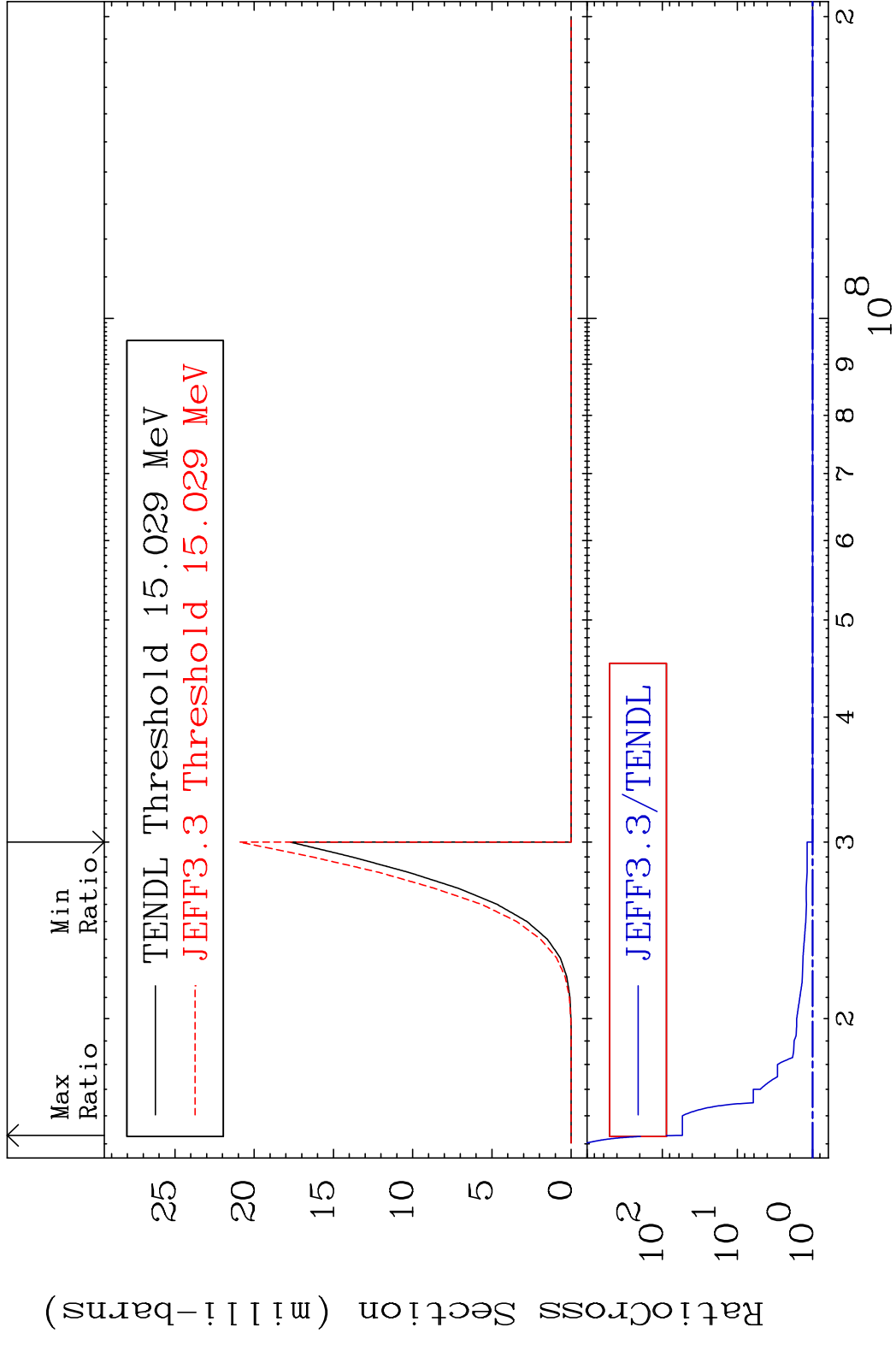


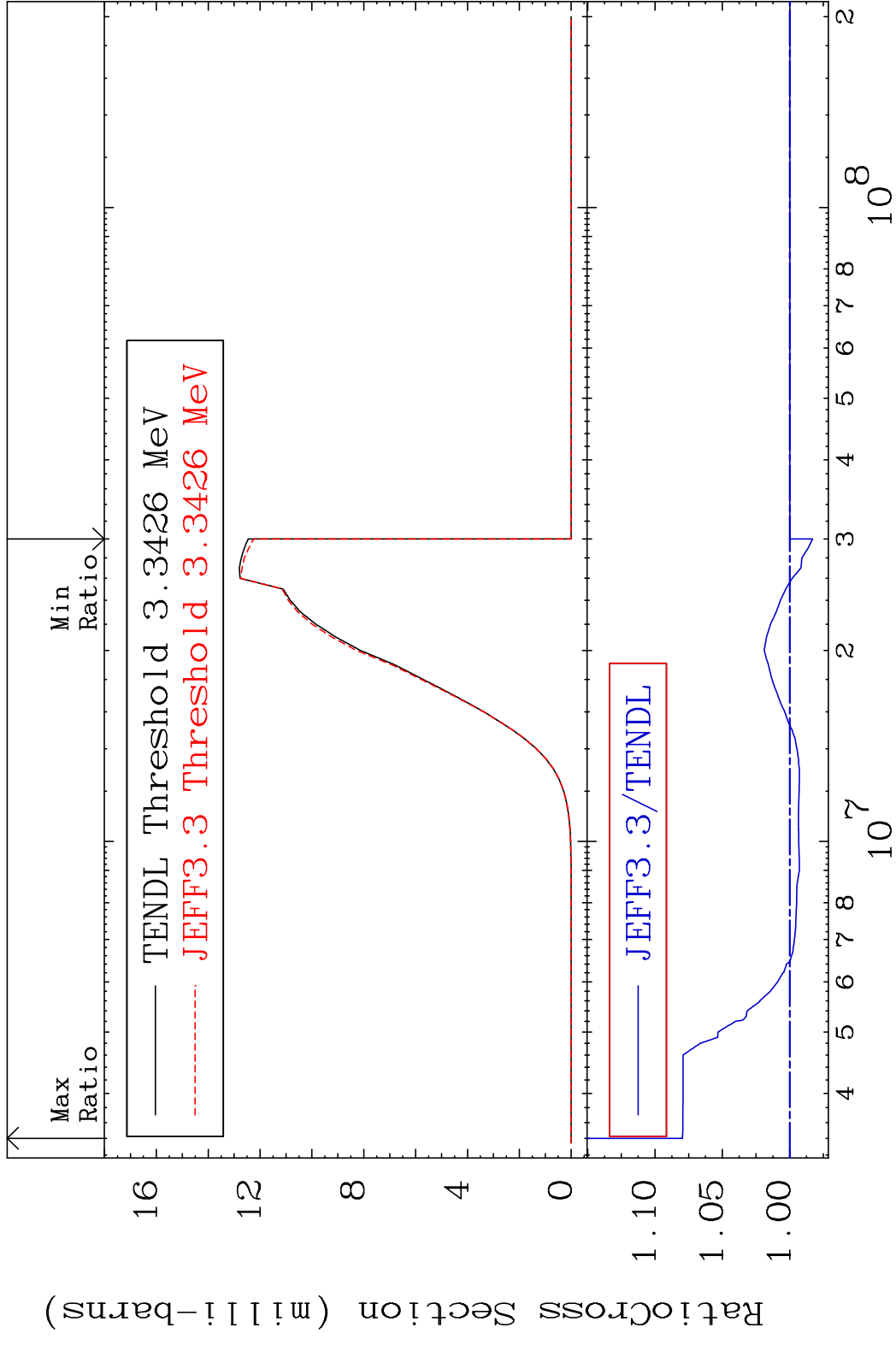


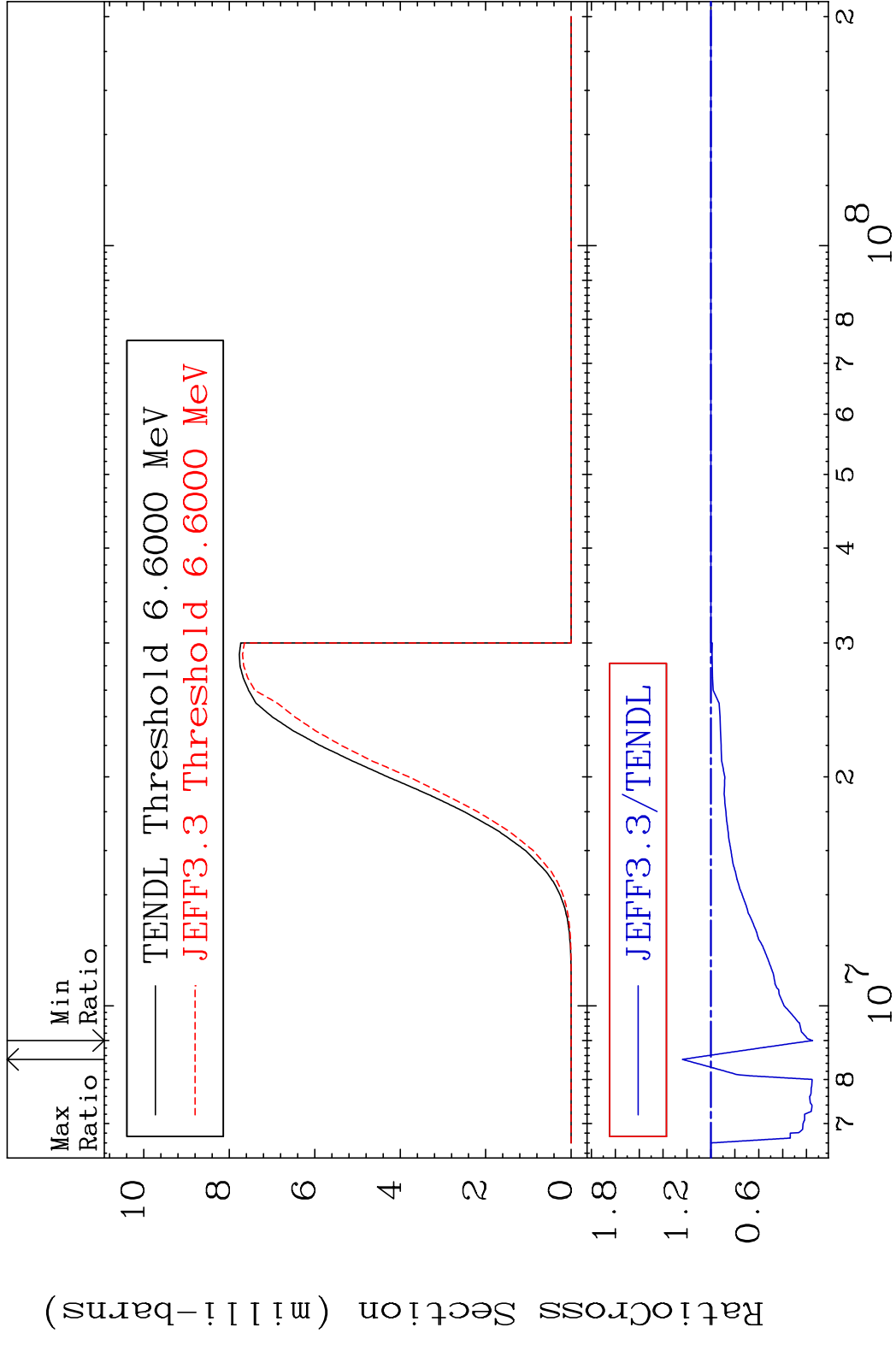
MAT 5722 (n, n') He-3:55-Cs-134m3 57-La-137
 Radionuclide Production Cross Section 180.0 dth 435.0 %

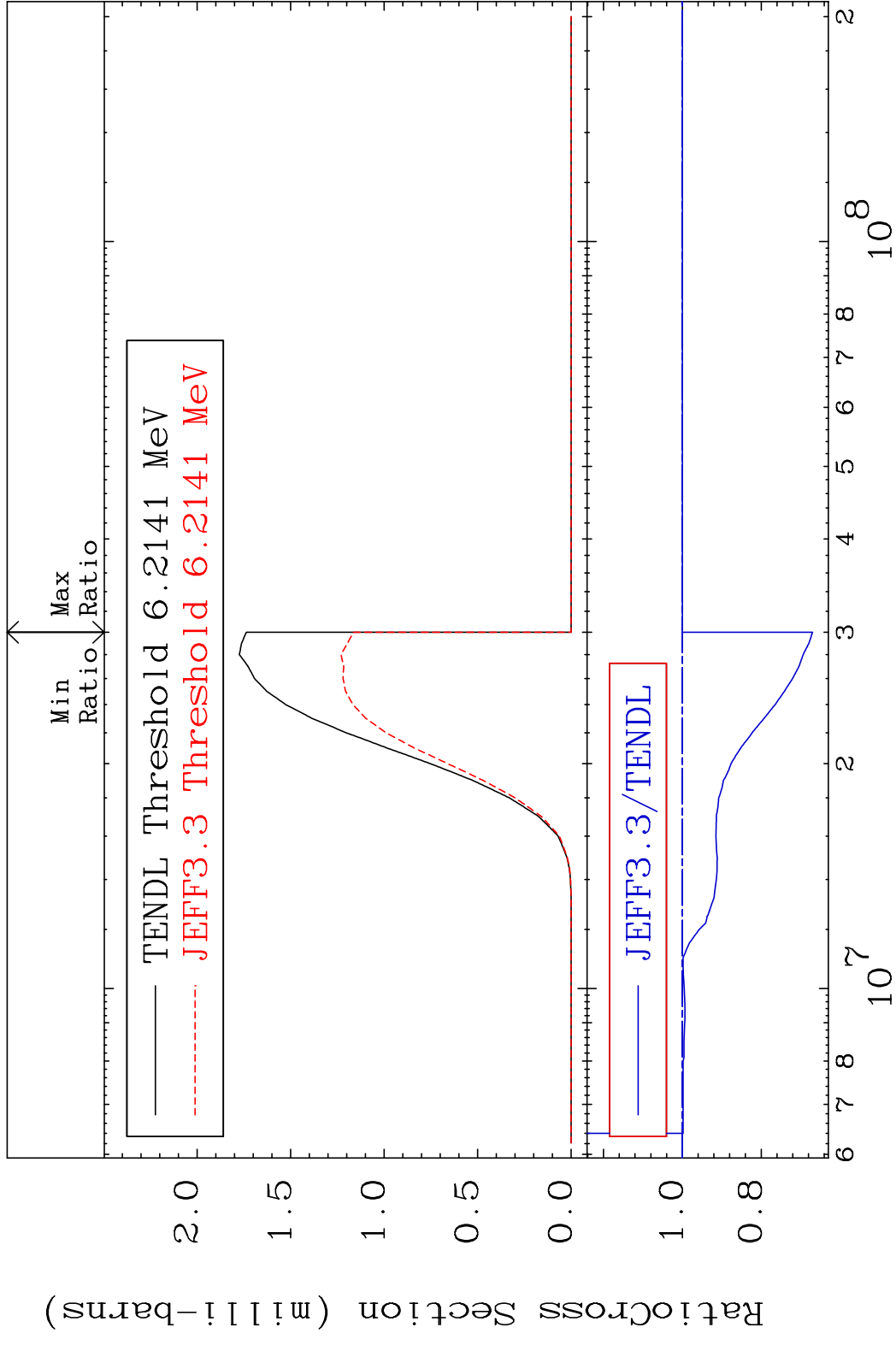




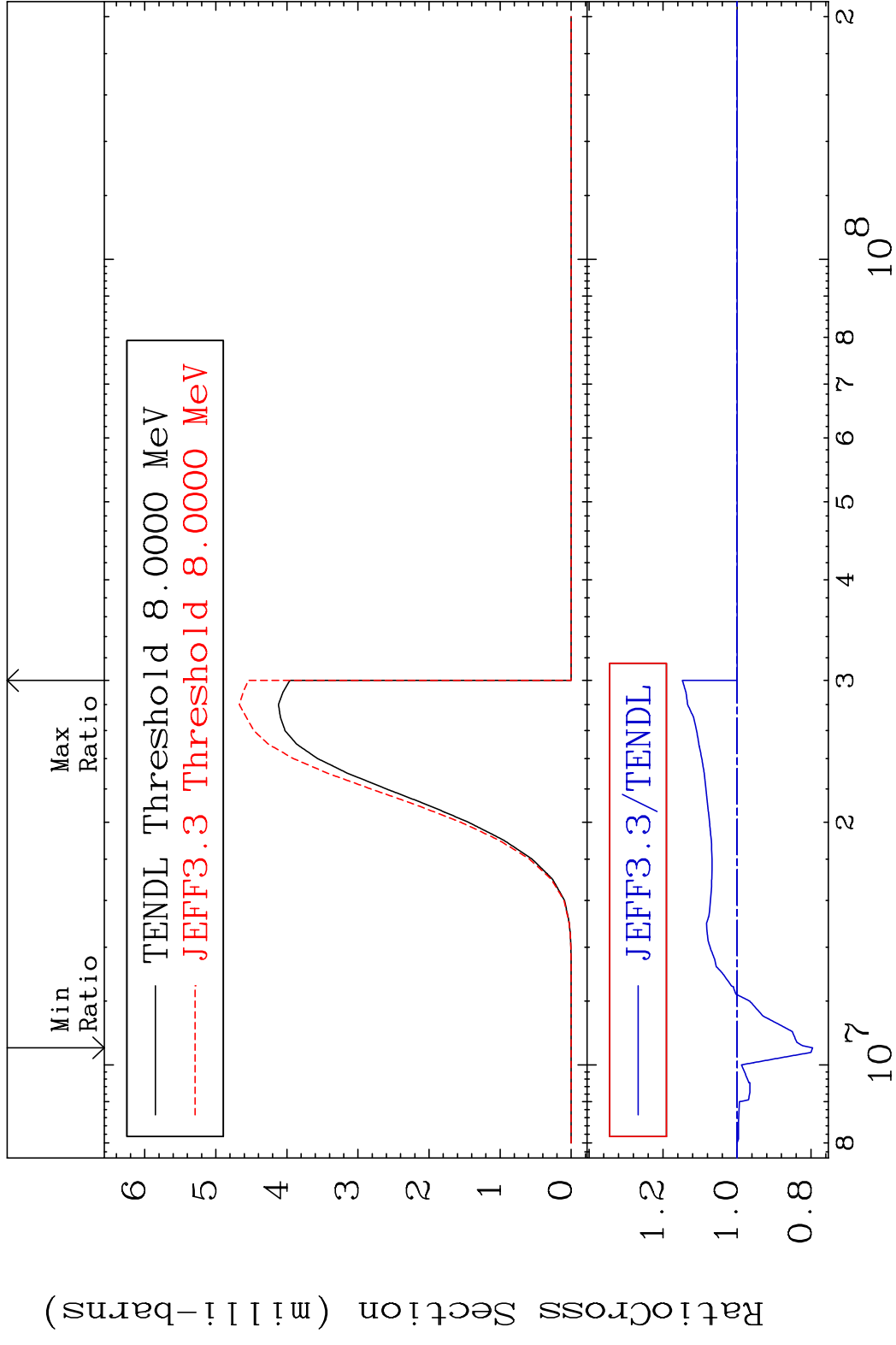




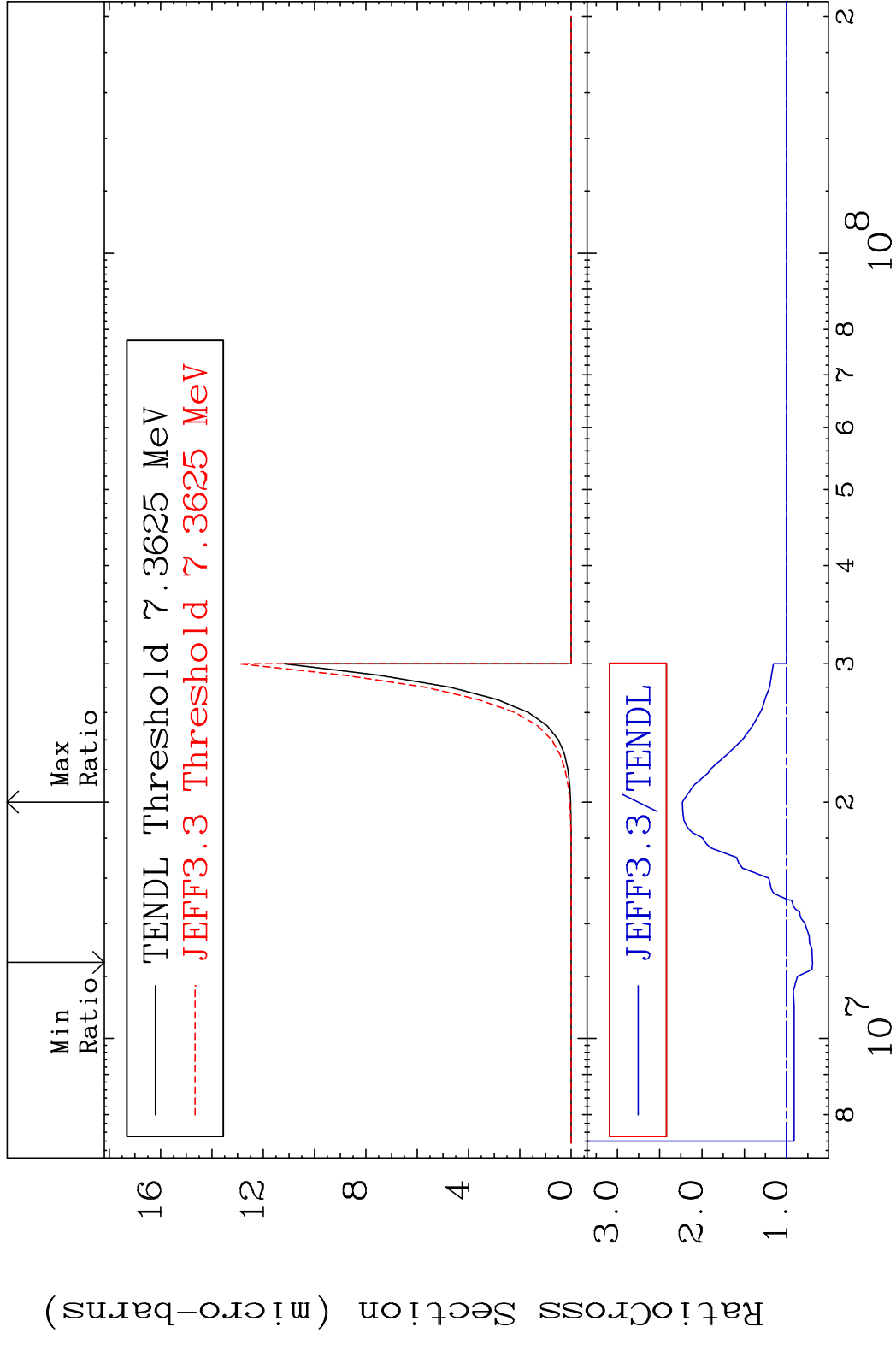




MAT 5722 (n, t):56-Ba-135m2 57-La-137
 Radionuclide Production Cross Section 14.78 %



90 Incident Energy (eV) 57-La-137



MAT 5722 (n, p) α :54-Xe-133g 57-La-137
 Radionuclide Production Cross Section Ratio 9999. %

