

Program Complot
(Version 2018-1)

by

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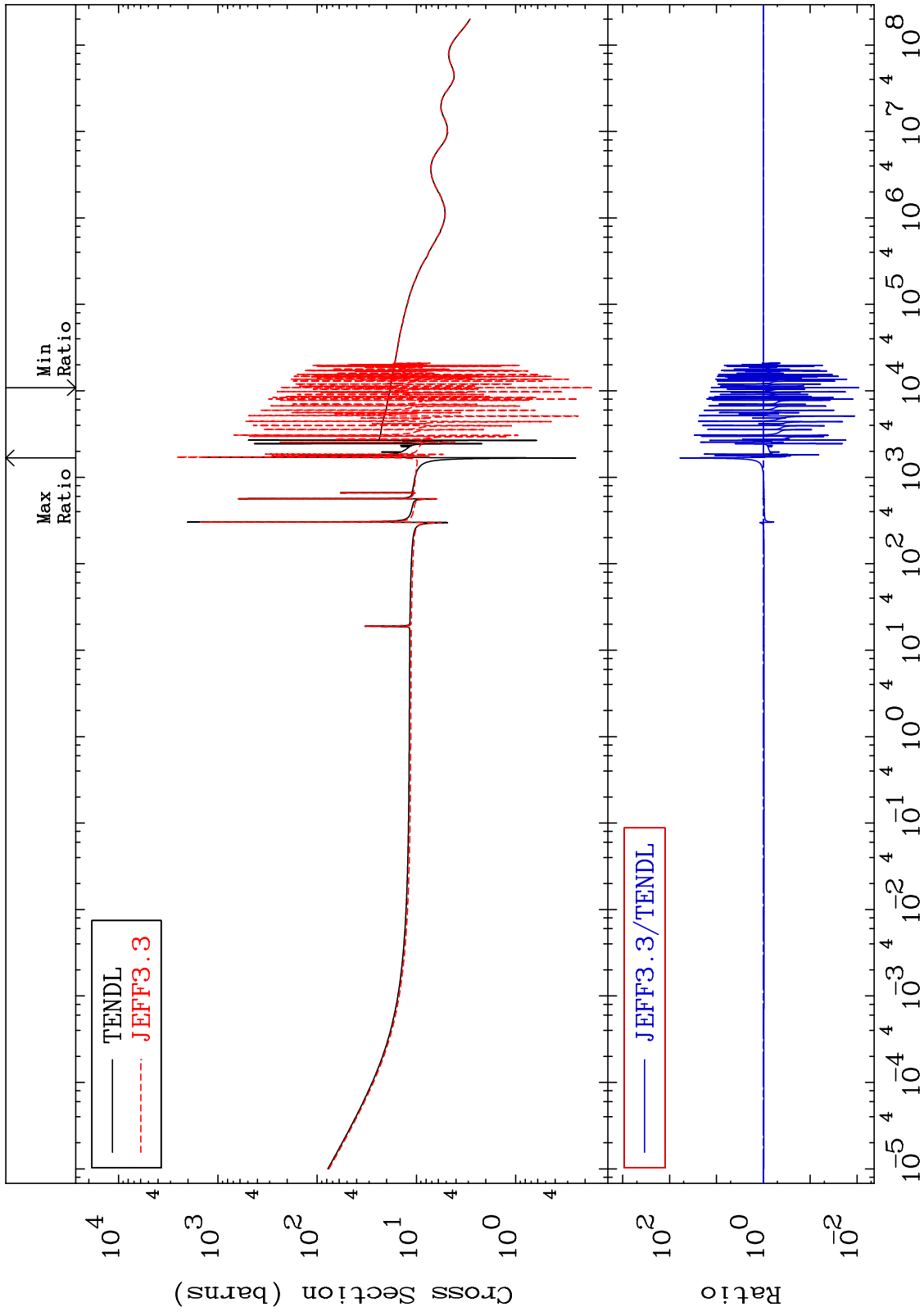
Press Mouse Button to Start

MAT 7843

Total
Cross Section

78-Pt-196

-99.09 To 5840. %



1

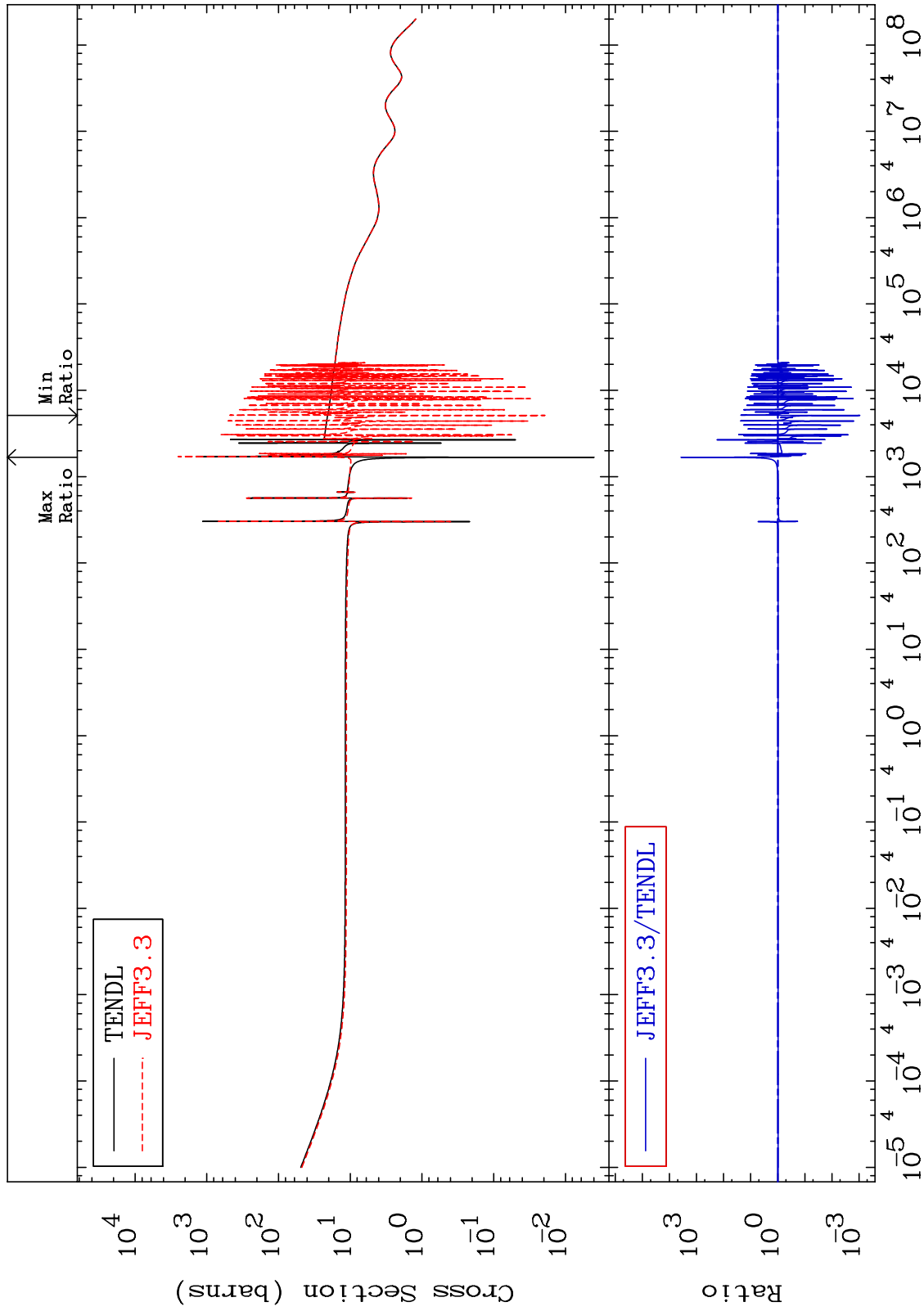
Incident Energy (eV)

78-Pt-196

MAT 7843

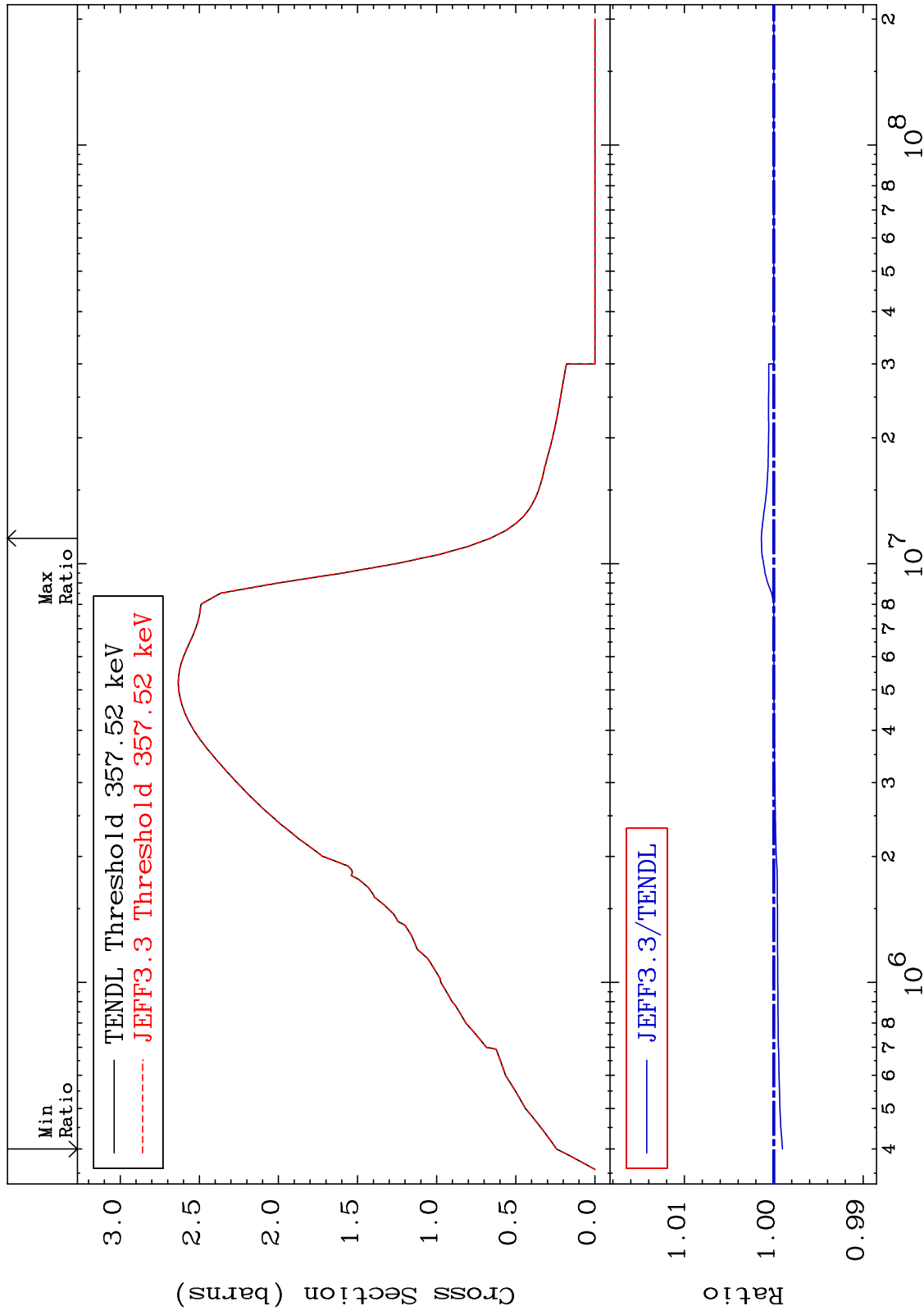
Elastic
Cross Section

78-Pt-196
-99.91 To 9999. %



MAT 7843 78-Pt-196 -0.096 To 0.140 %

Inelastic Cross Section

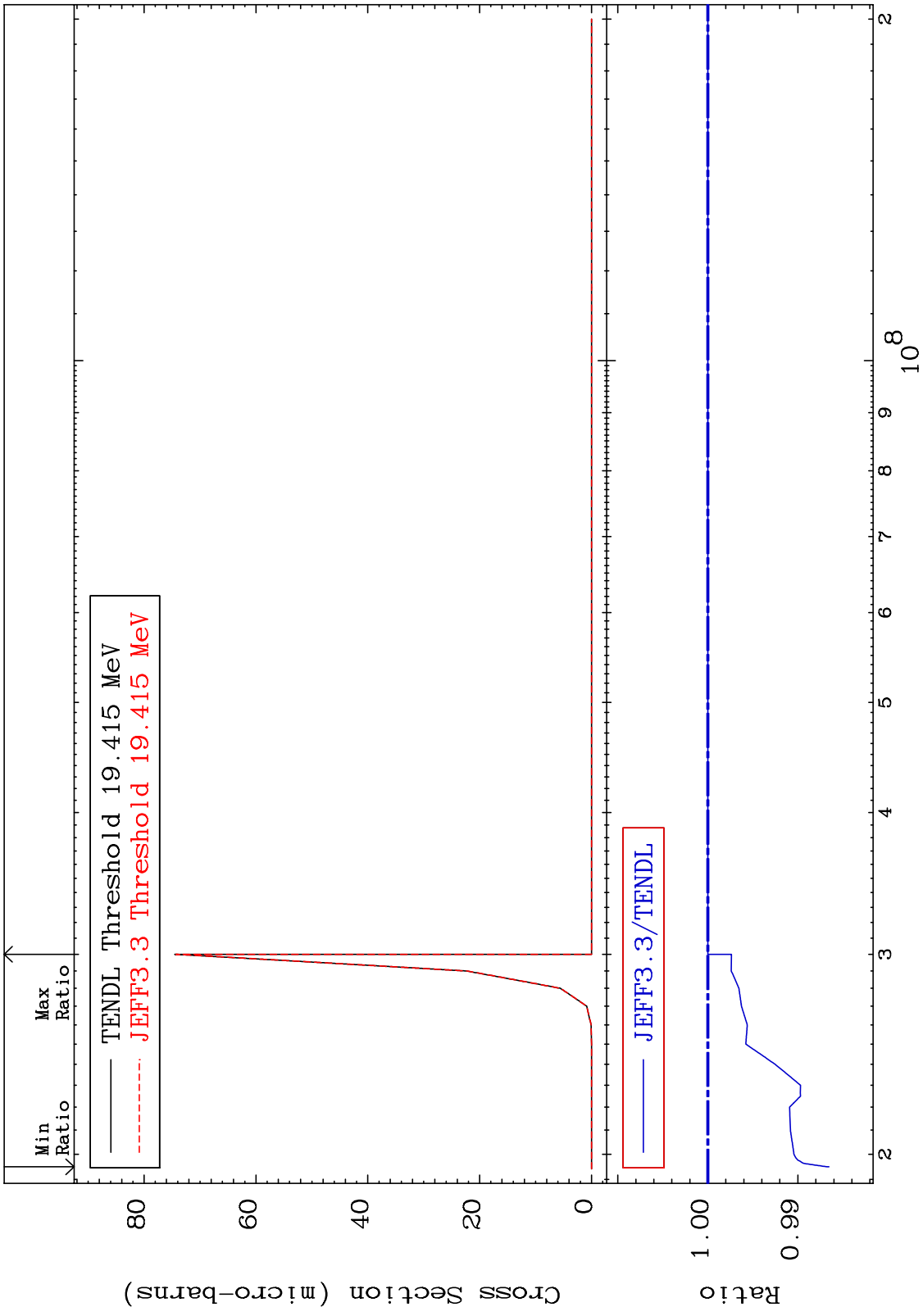


78-Pt-196

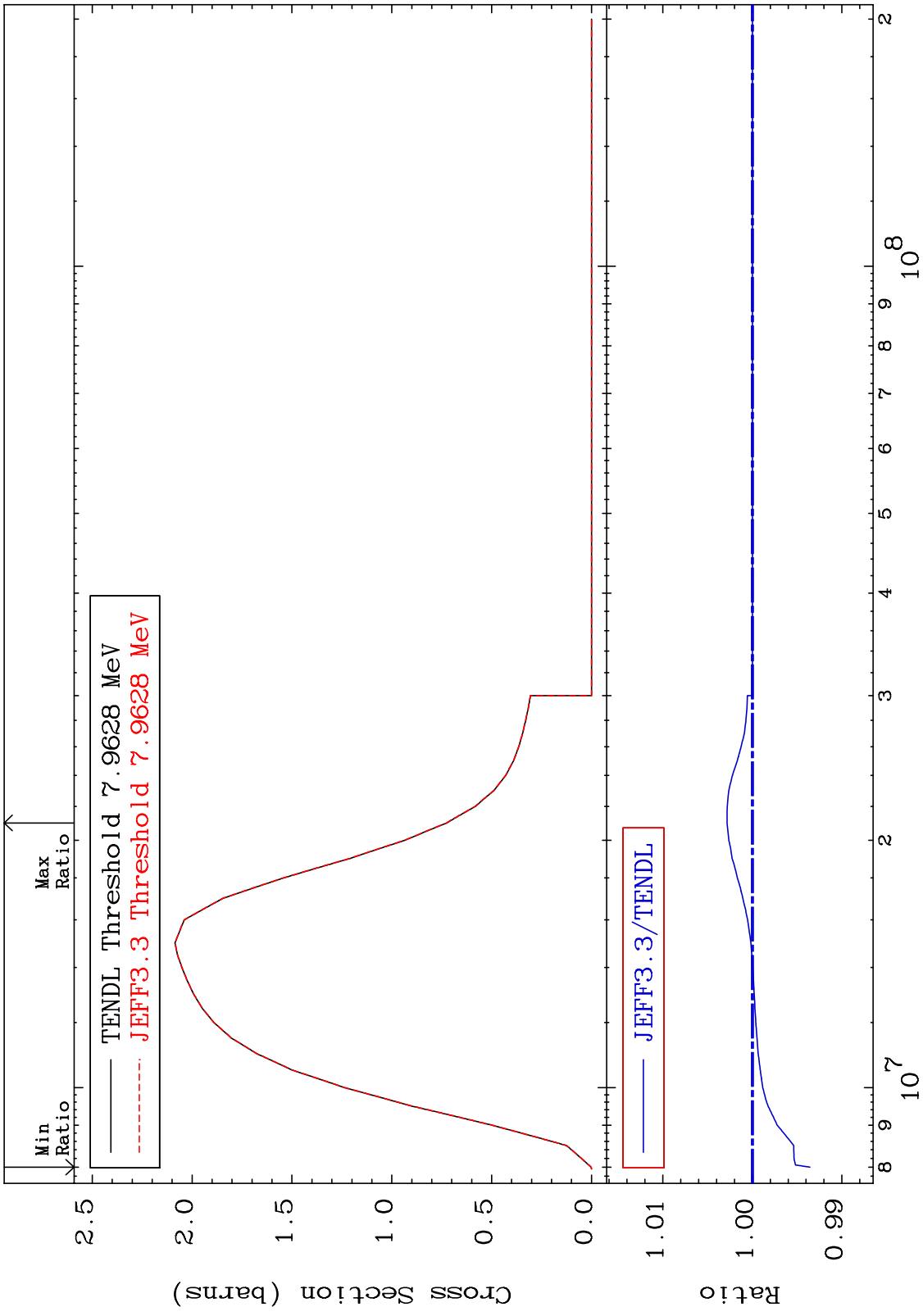
Incident Energy (eV)

3

MAT 7843 (n,2n) d 78-Pt-196
 Cross Section -1.346 To 0.000 %

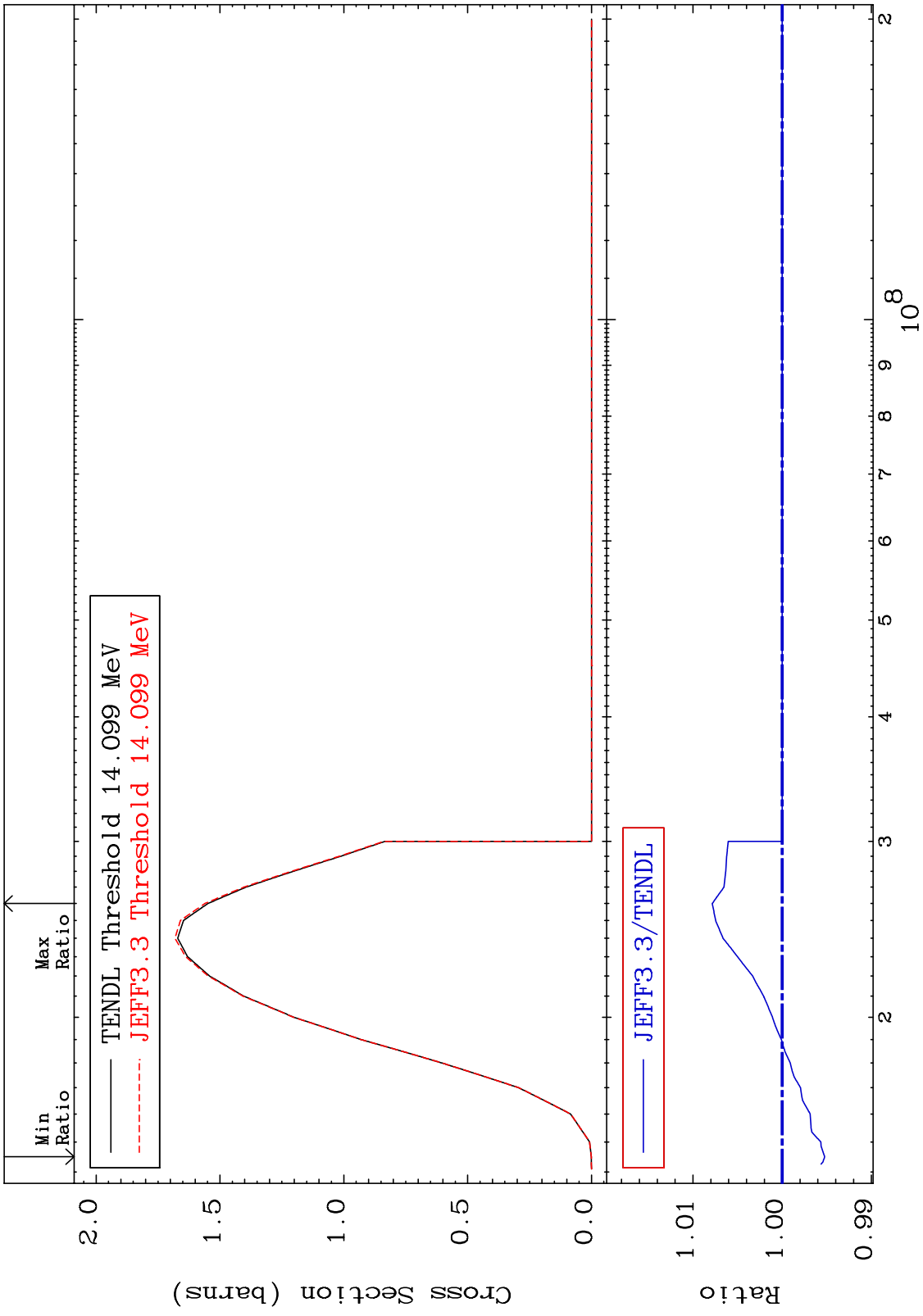


MAT 7843 (n,2n) 78-Pt-196
Cross Section -0.642 To 0.283 %



5 Incident Energy (eV) 78-Pt-196

MAT 7843 (n,3n) 78-Pt-196
 Cross Section -0.475 To 0.783 %



MAT 7843

$(n, n') \alpha$

78-Pt-196

Cross Section

-60.35 To 9999. %

Max Ratio

Min Ratio

TENDL Threshold 2.6875 keV
JEFF3.3 Threshold 20.798 keV

Cross Section (milli-barns)

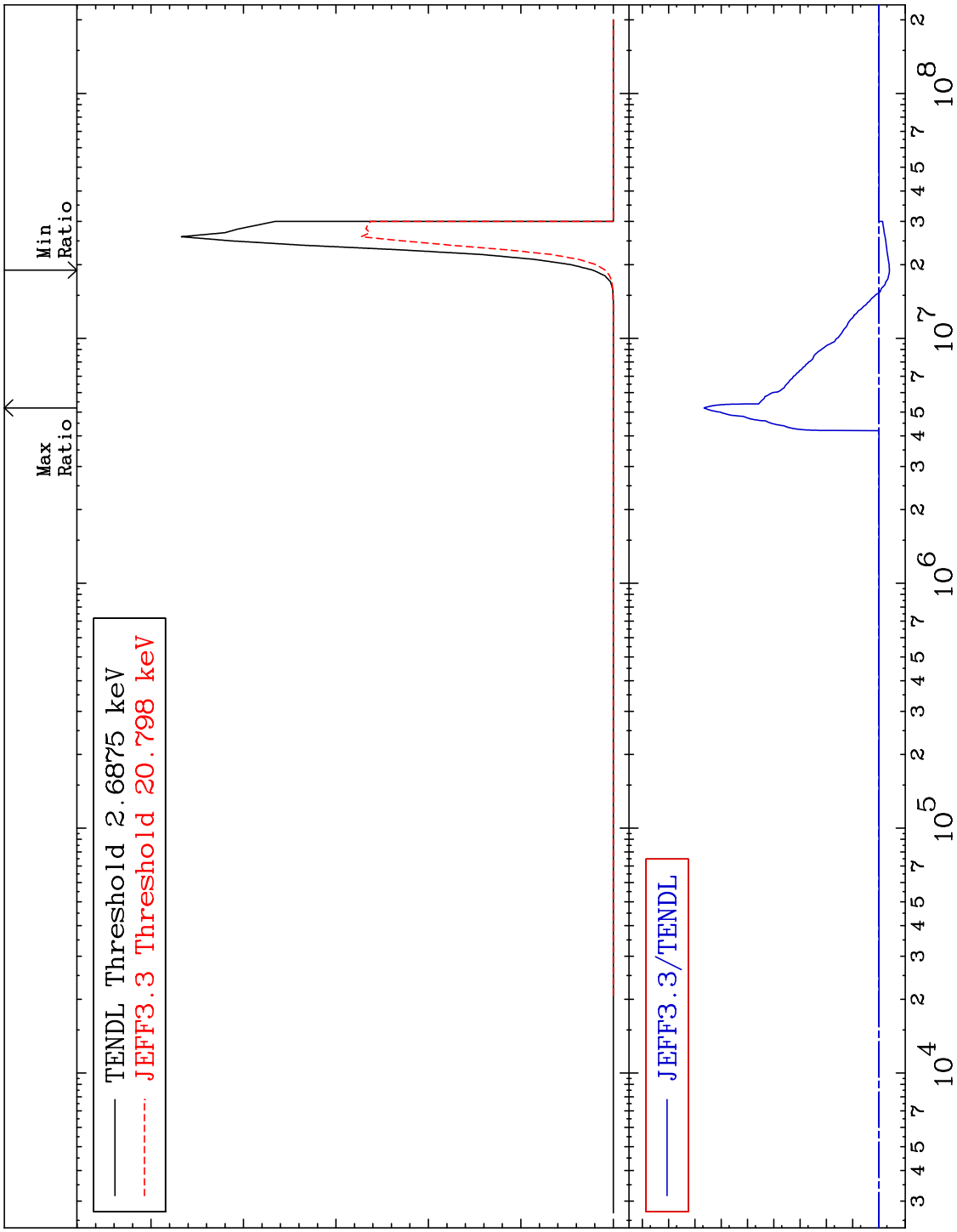
JEFF3.3/TENDL

Ratio

7

Incident Energy (eV)

78-Pt-196



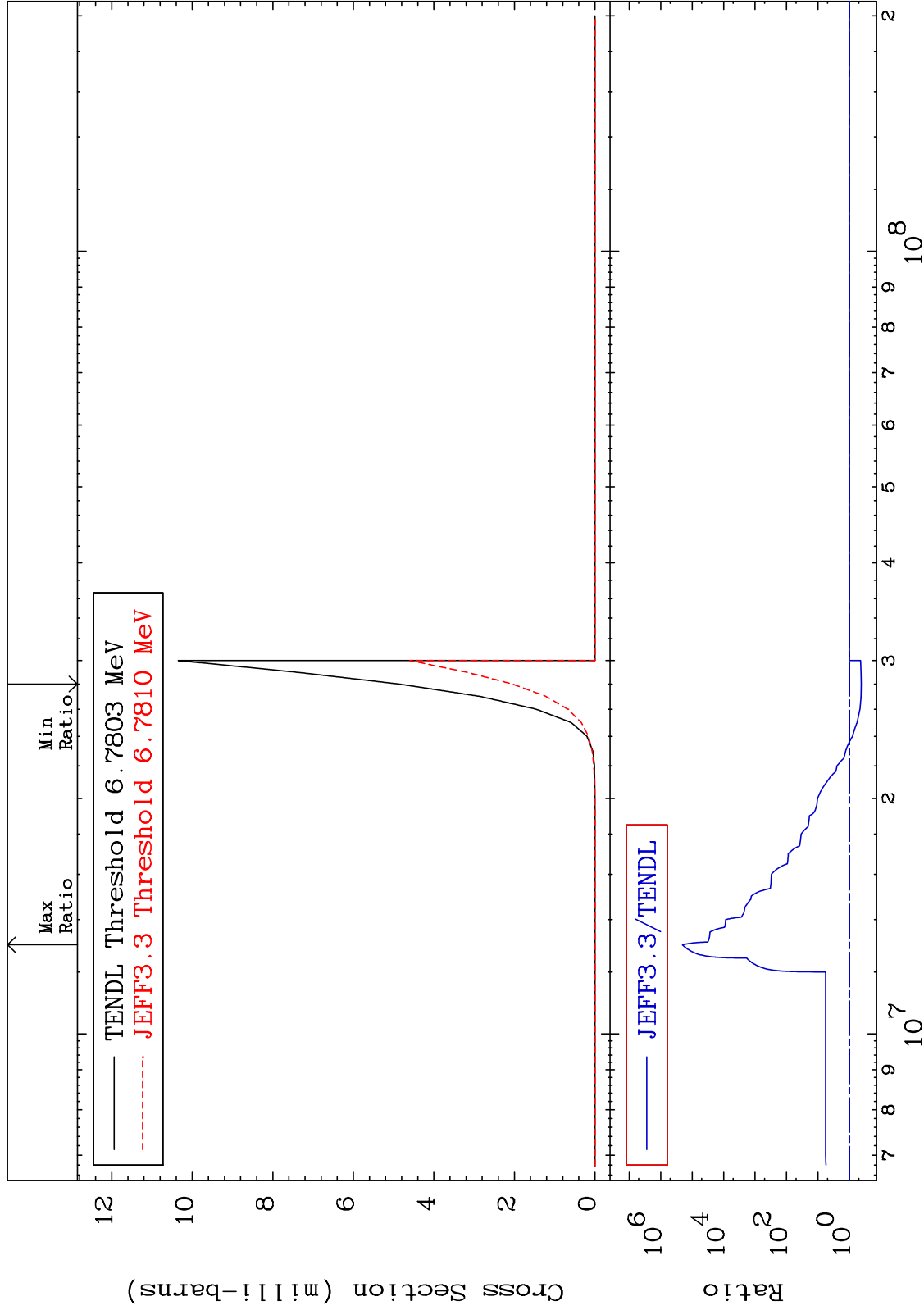
MAT 7843

(n,2n) α

78-Pt-196

-57.91 To 9999. %

Cross Section

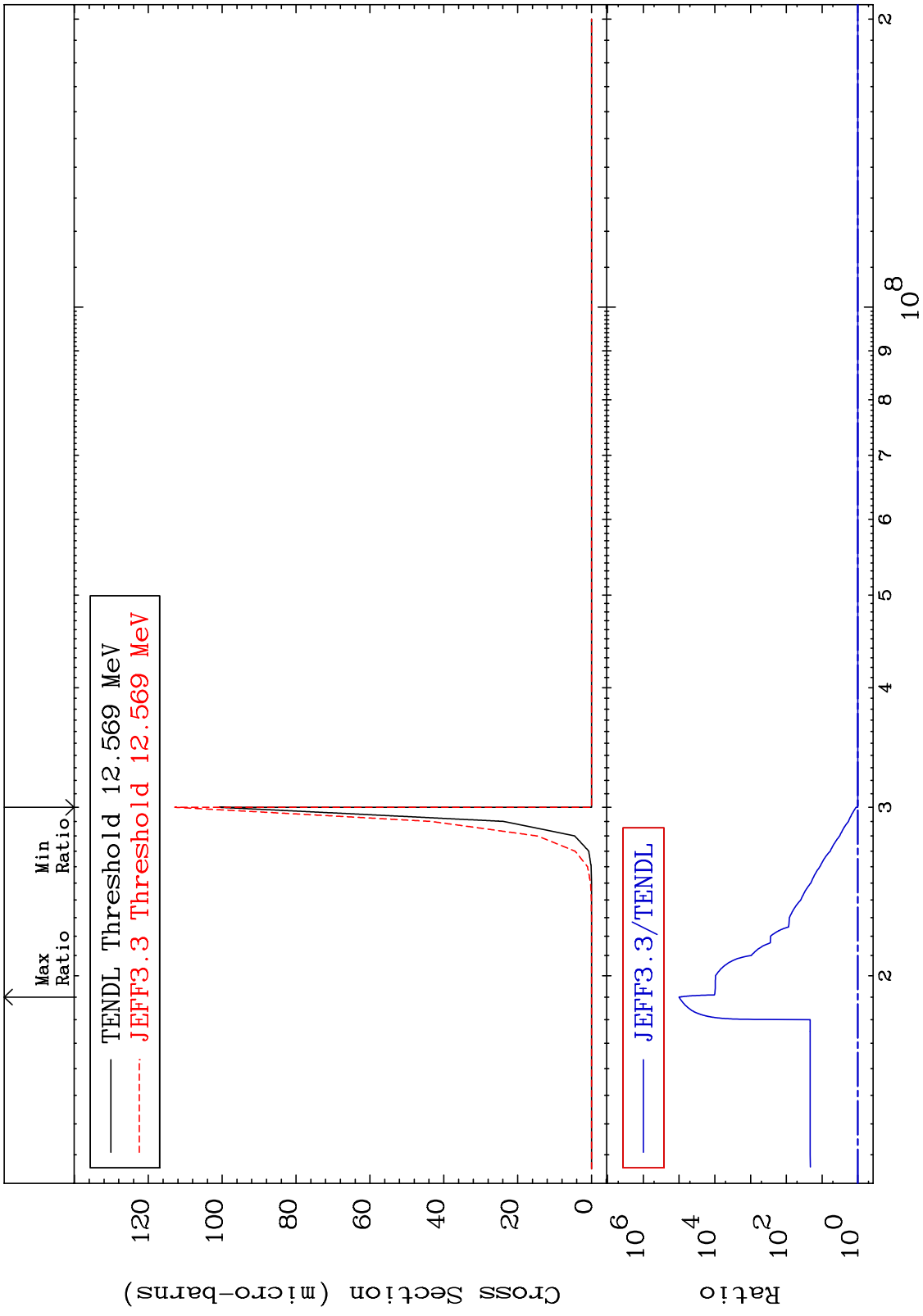


8

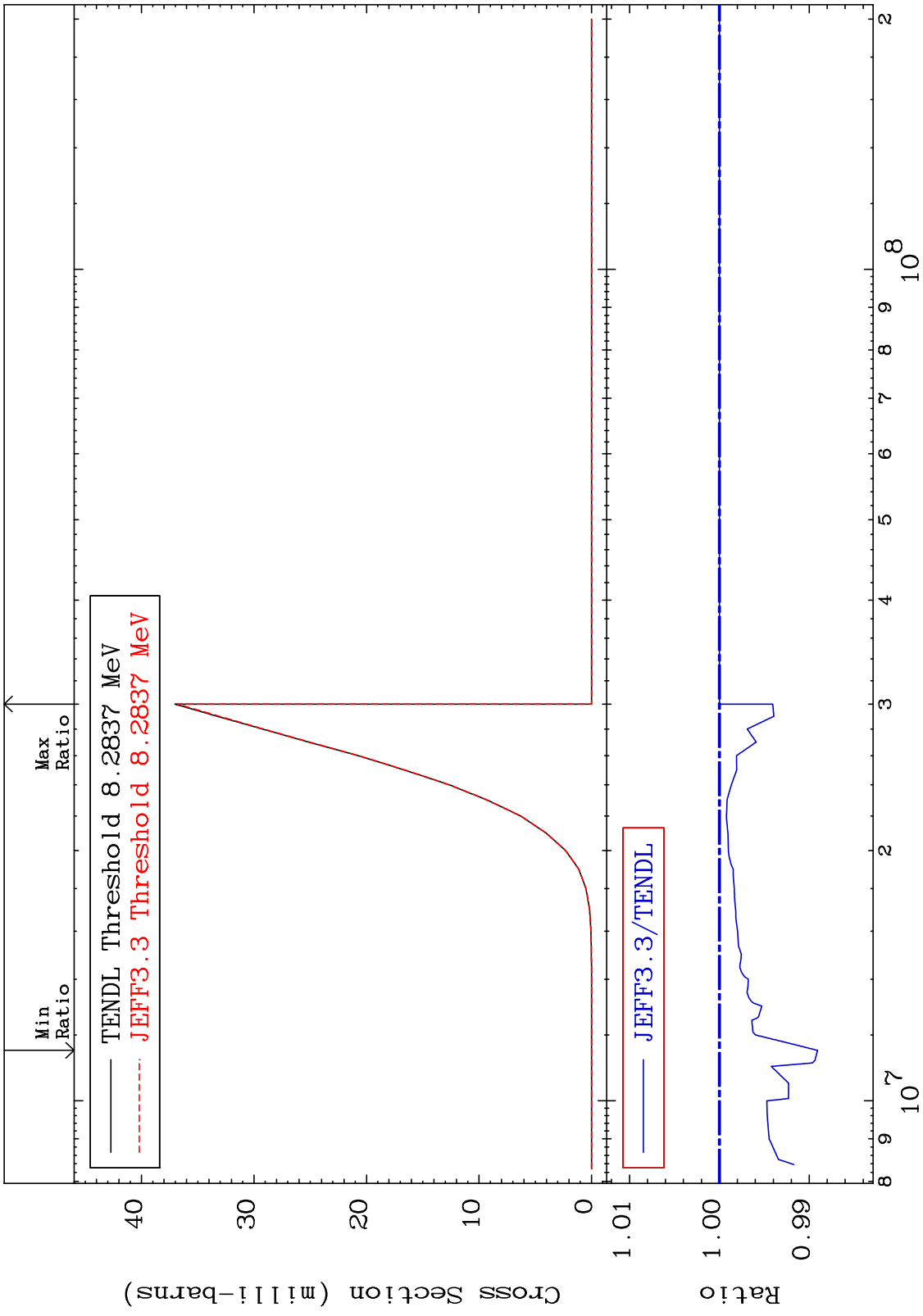
Incident Energy (eV)

78-Pt-196

MAT 7843 (n,3n) α 78-Pt-196
 Cross Section 0.000 To 9999. %

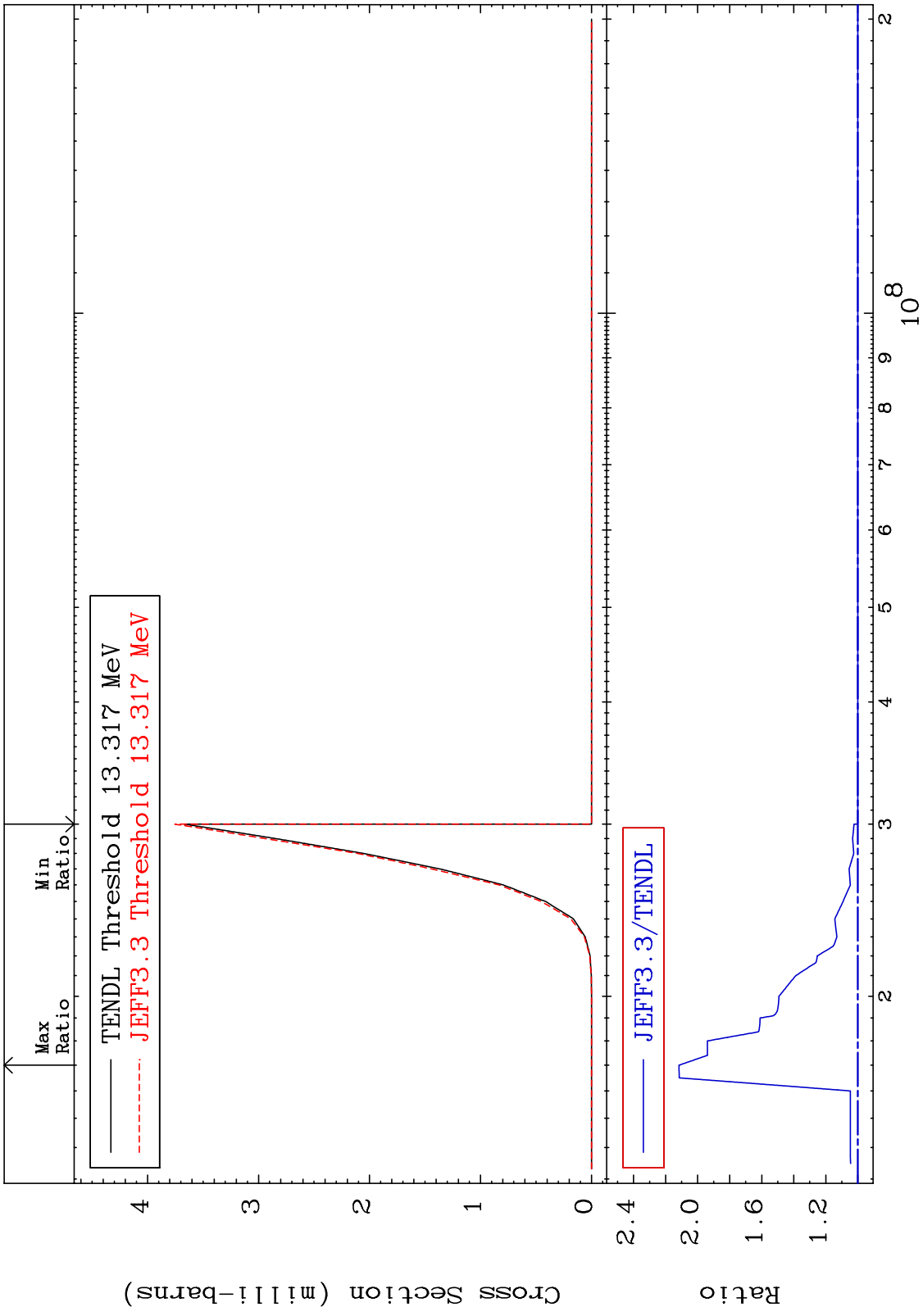


MAT 7843 (n,n') p 78-Pt-196
Cross Section -1.092 To 0.000 %

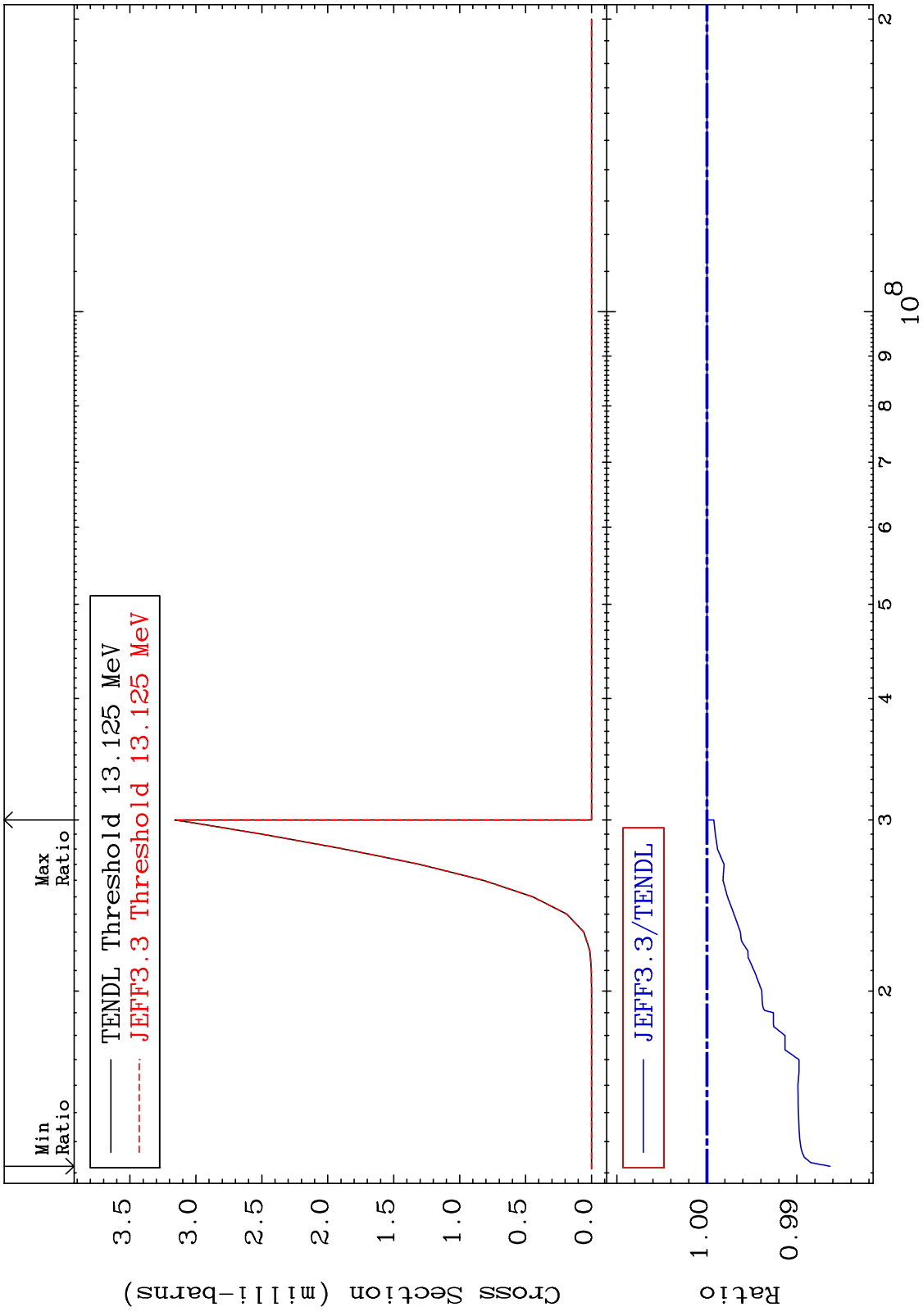


10 Incident Energy (eV) 78-Pt-196

MAT 7843 (n,n') d 78-Pt-196
 Cross Section 0.000 To 111.6 %



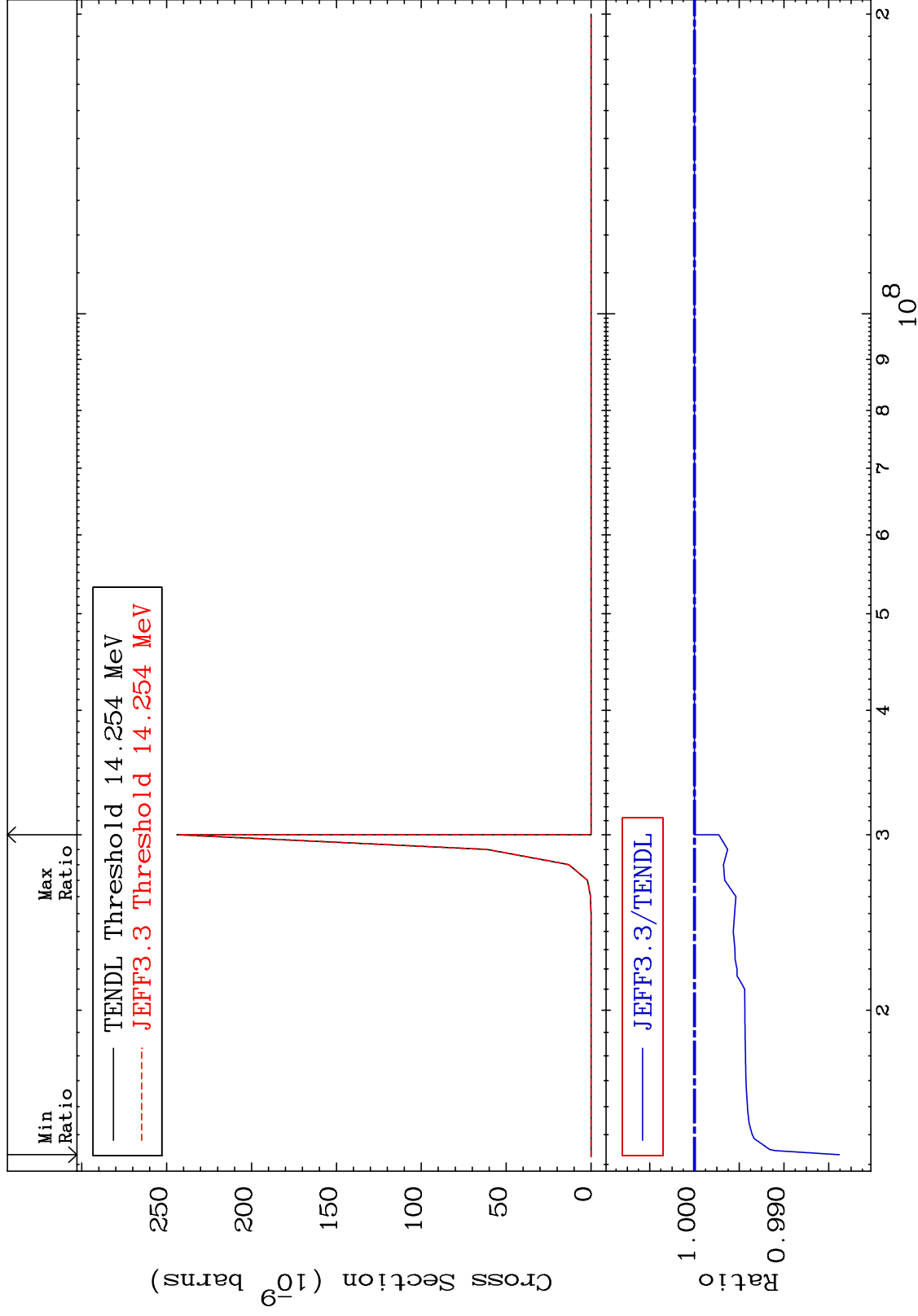
MAT 7843 (n,n') t 78-Pt-196
 Cross Section -1.368 To 0.000 %



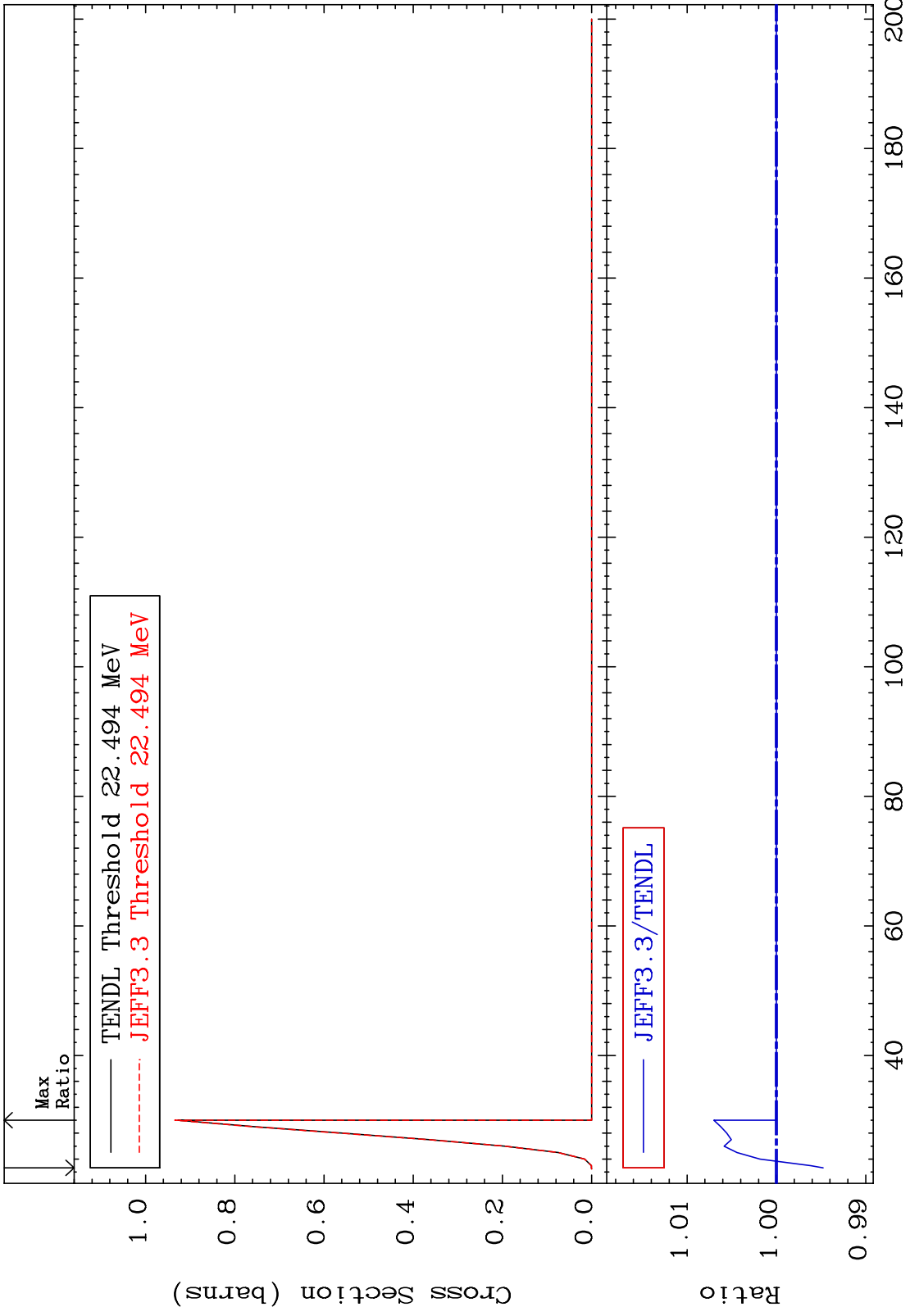
MAT 7843

(n, n') He-3
Cross Section

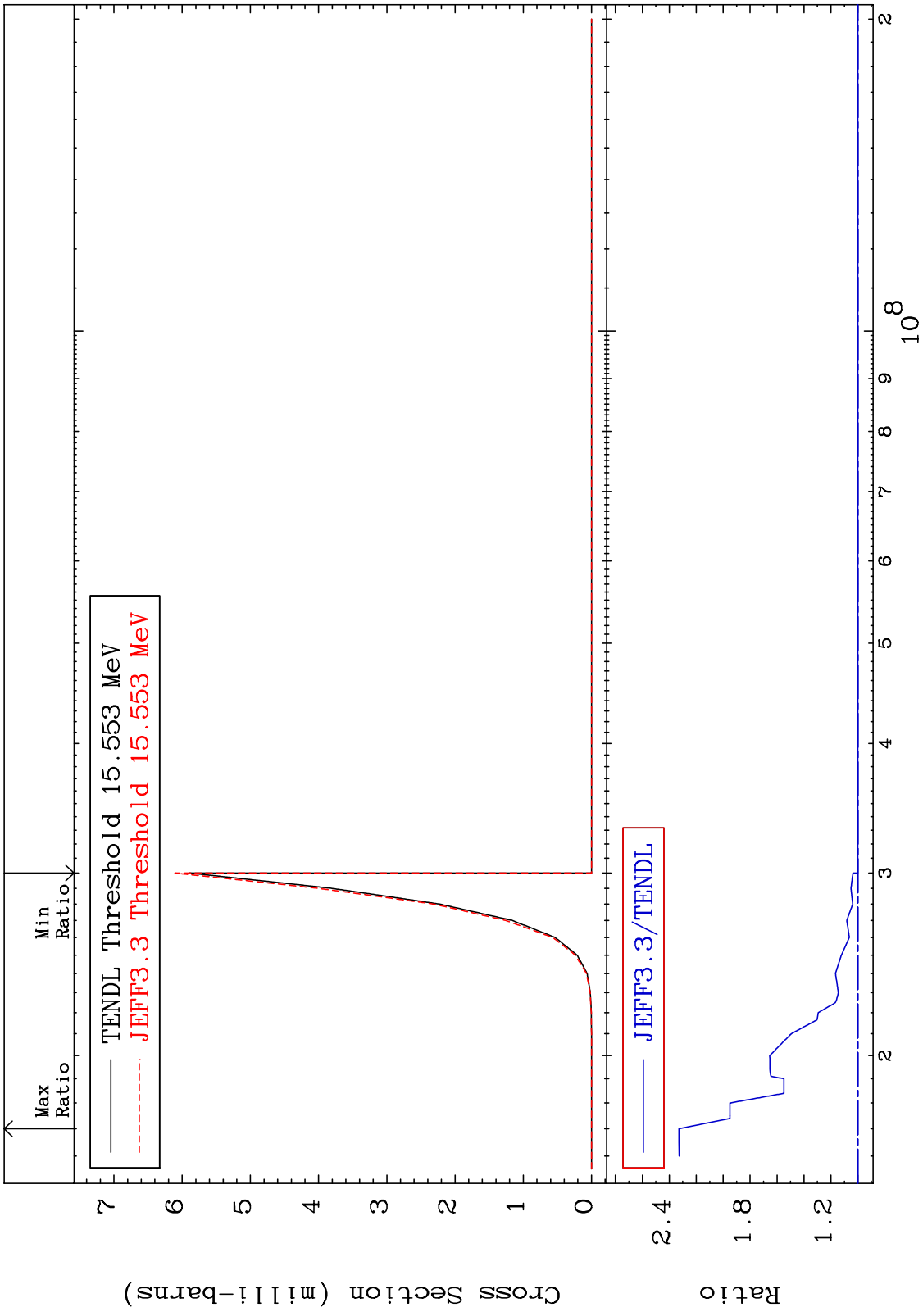
78-Pt-196
-1.617 To 0.000 %



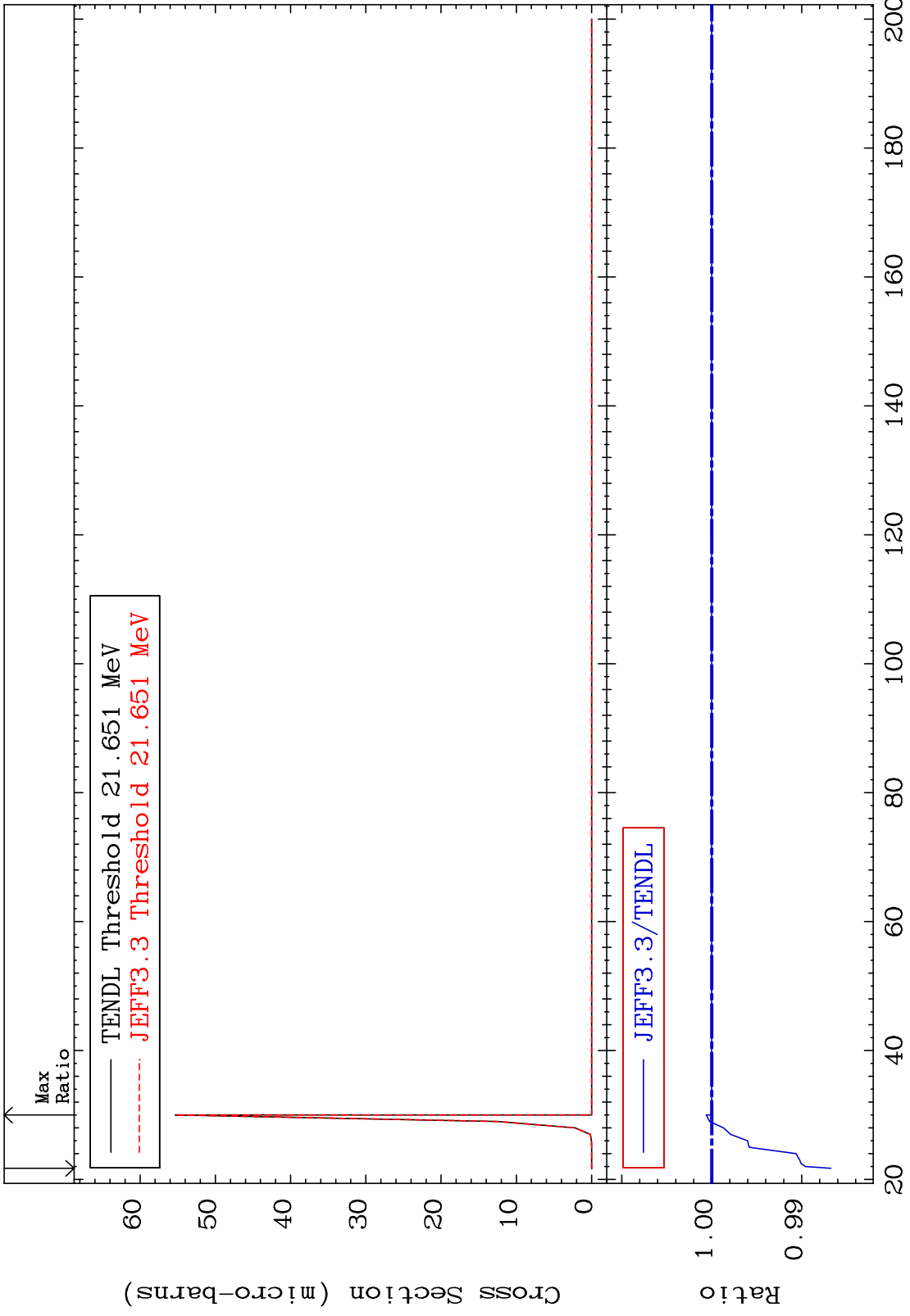
MAT 7843 (n,4n) Cross Section 78-Pt-196 -0.523 To 0.699 %



MAT 7843 (n,2n) p 78-Pt-196
 Cross Section 0.000 To 132.8 %



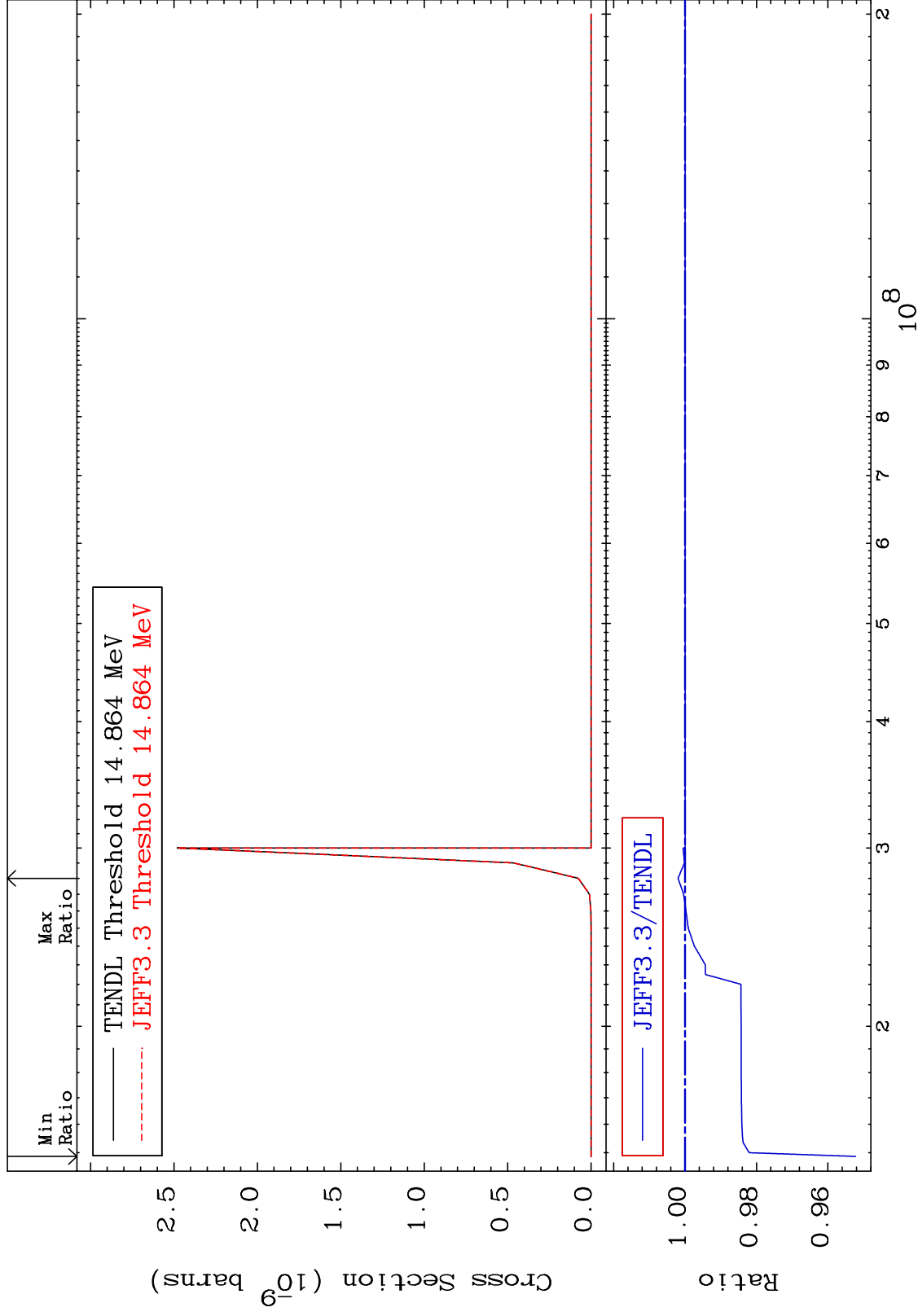
MAT 7843 (n,3n) p 78-Pt-196
 Cross Section -1.324 To 0.061 %



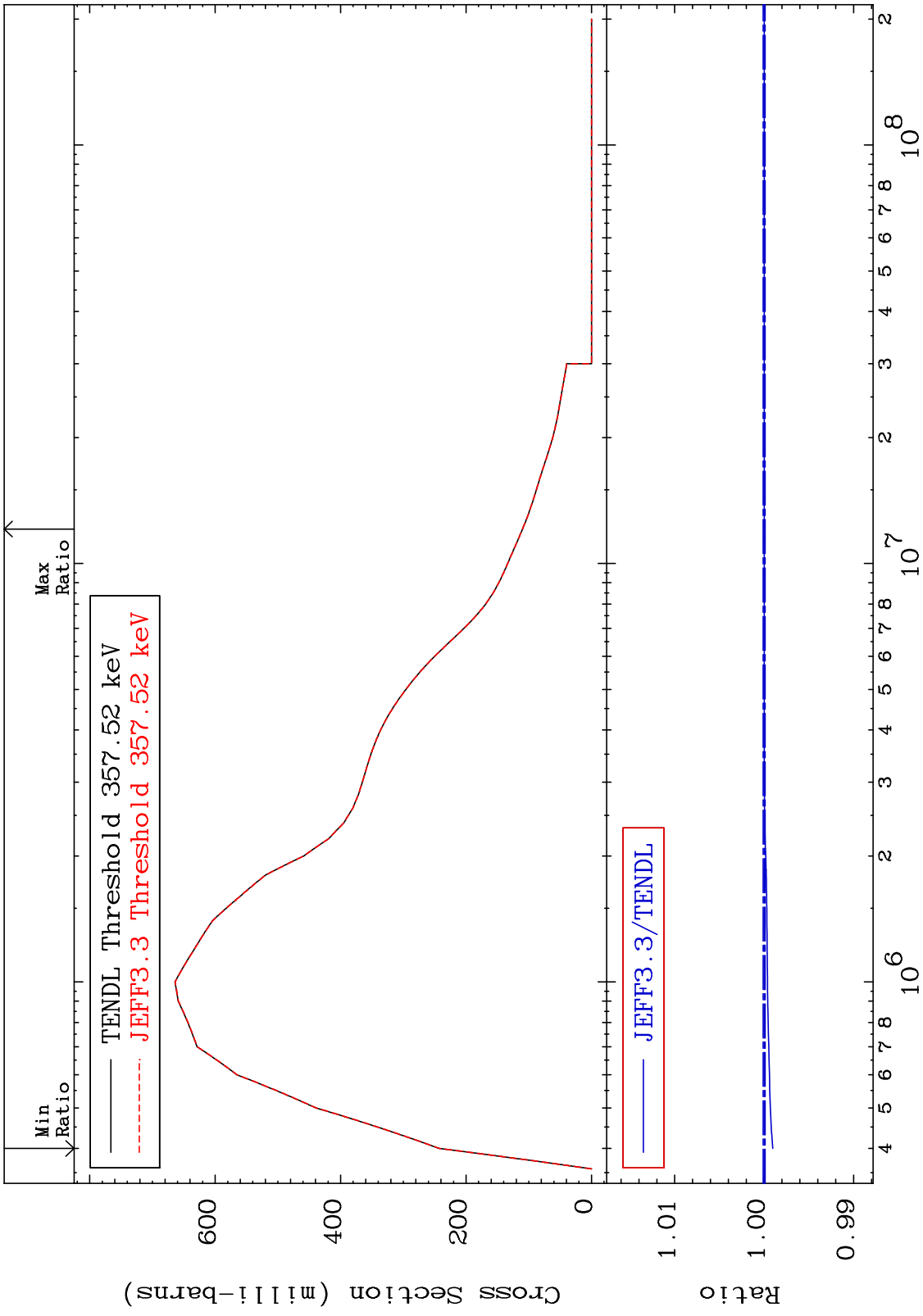
MAT 7843

(n,2n) p
Cross Section

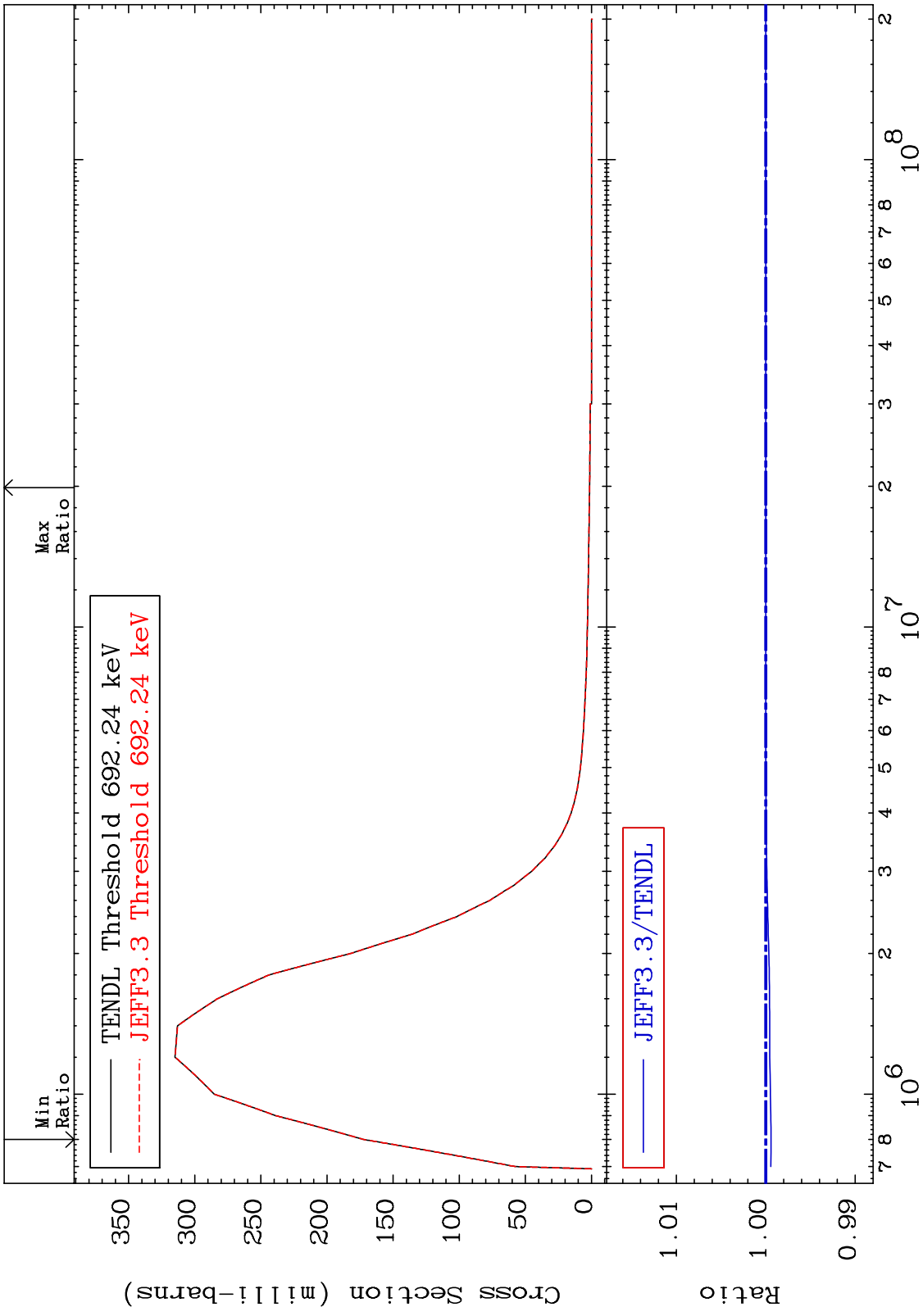
78-Pt-196
-4.777 To 0.197 %



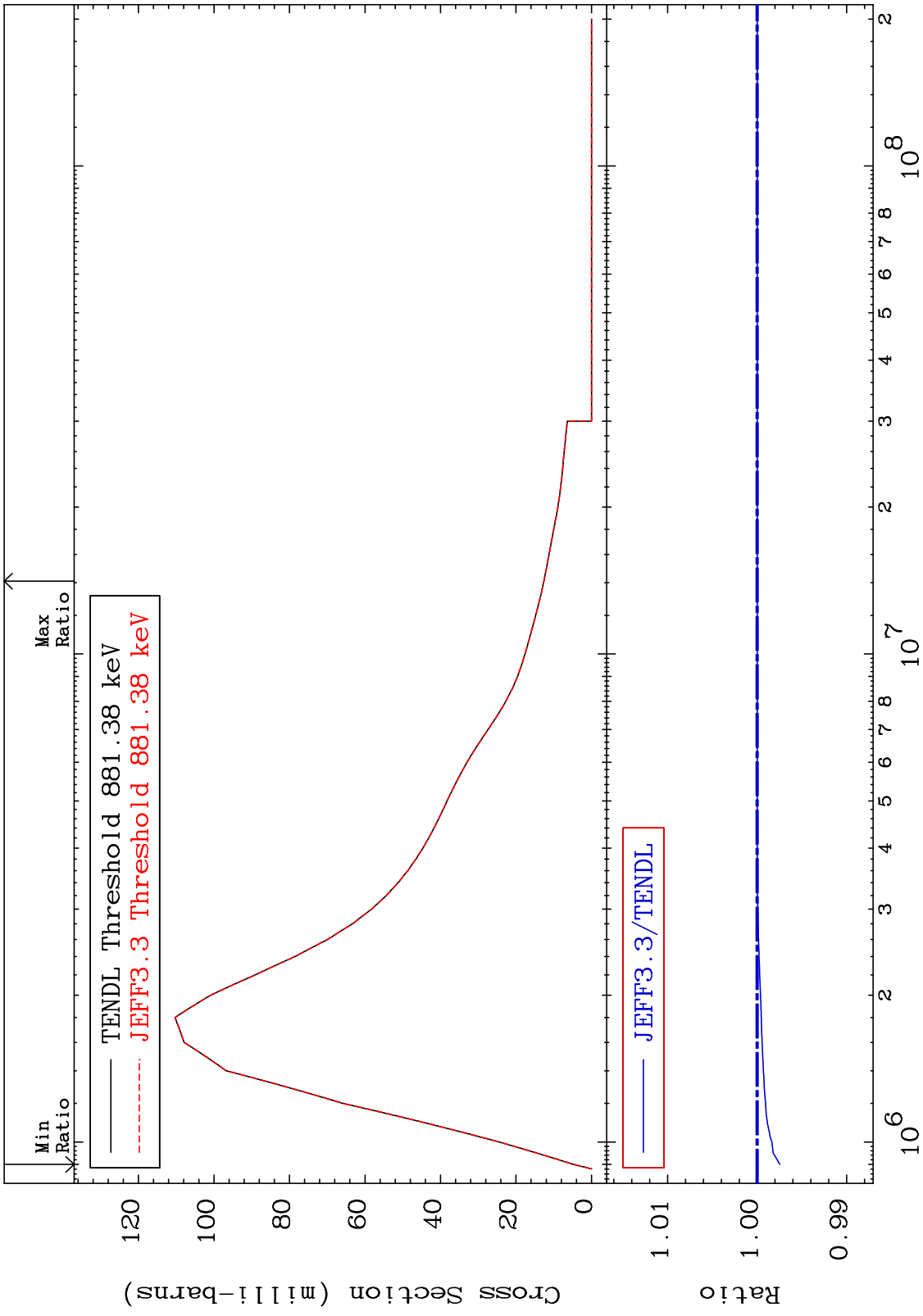
MAT 7843 MT= 51 (n, n') Level Cross Section 78-Pt-196
 -0.096 To 0.000 %



MAT 7843 MT= 52 (n,n') Level Cross Section 78-Pt-196
 -0.059 To 0.000 %

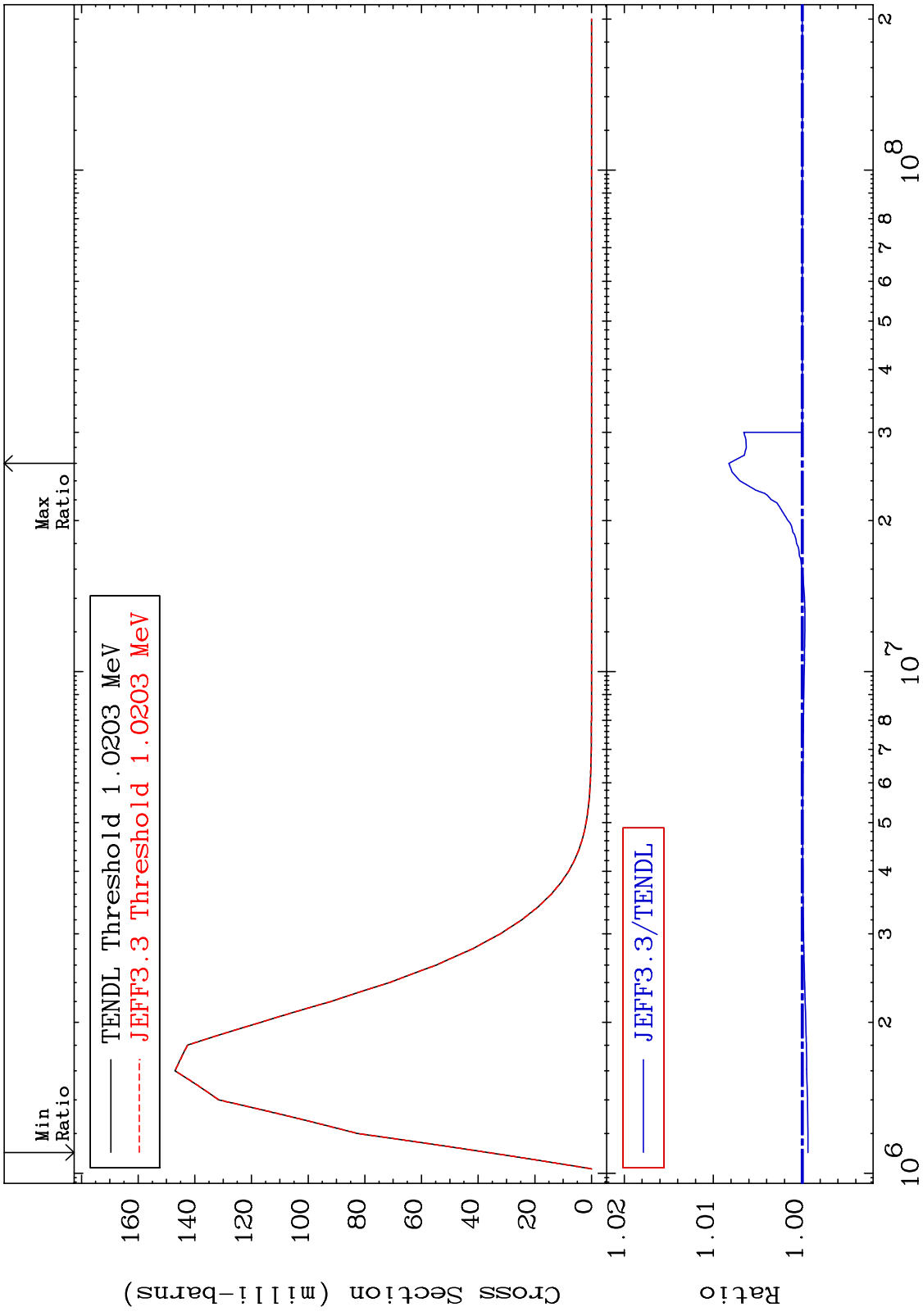


MAT 7843 MT= 53 (n,n') Level Cross Section 78-Pt-196 -0.252 To 0.000 %

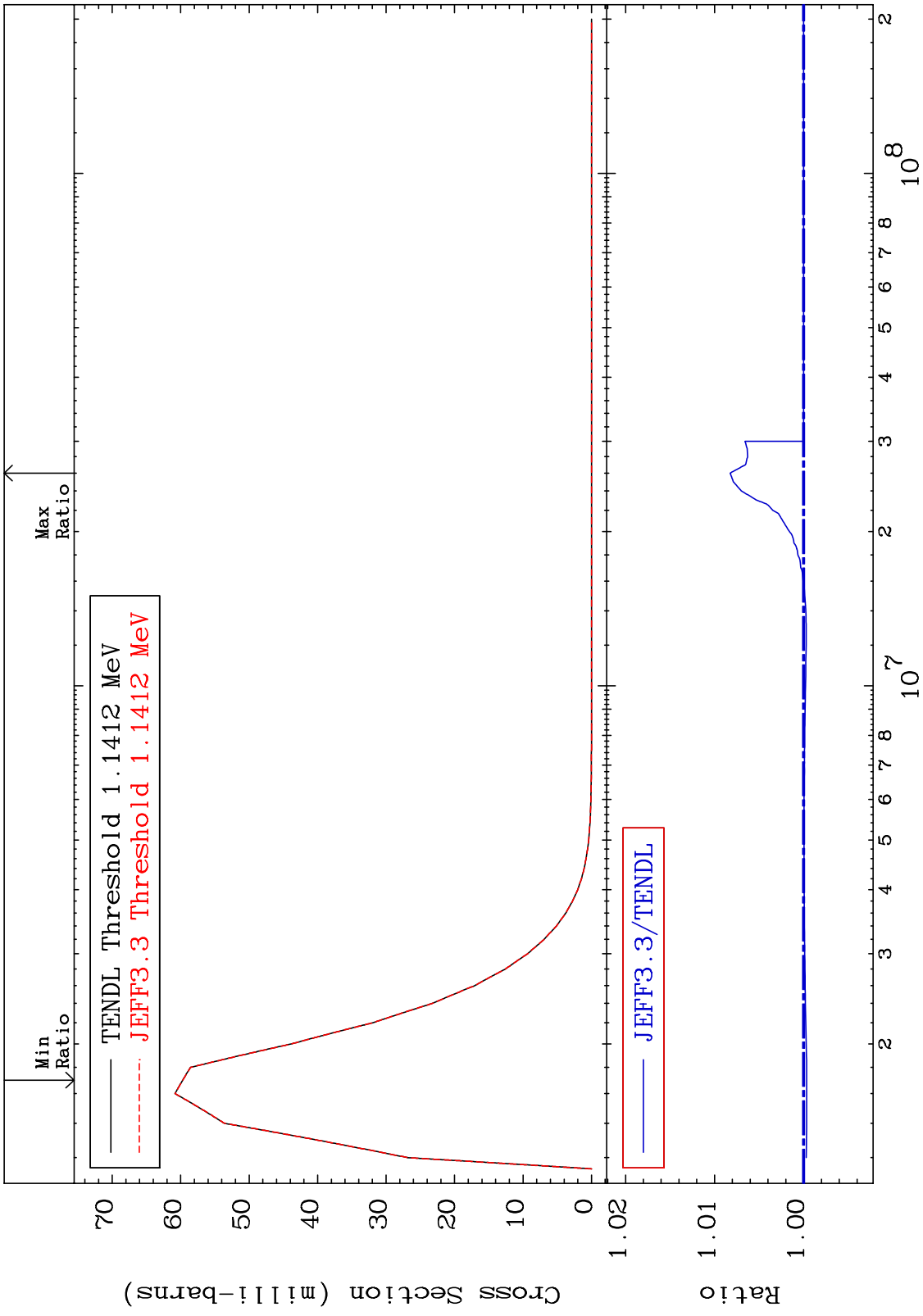


78-Pt-196

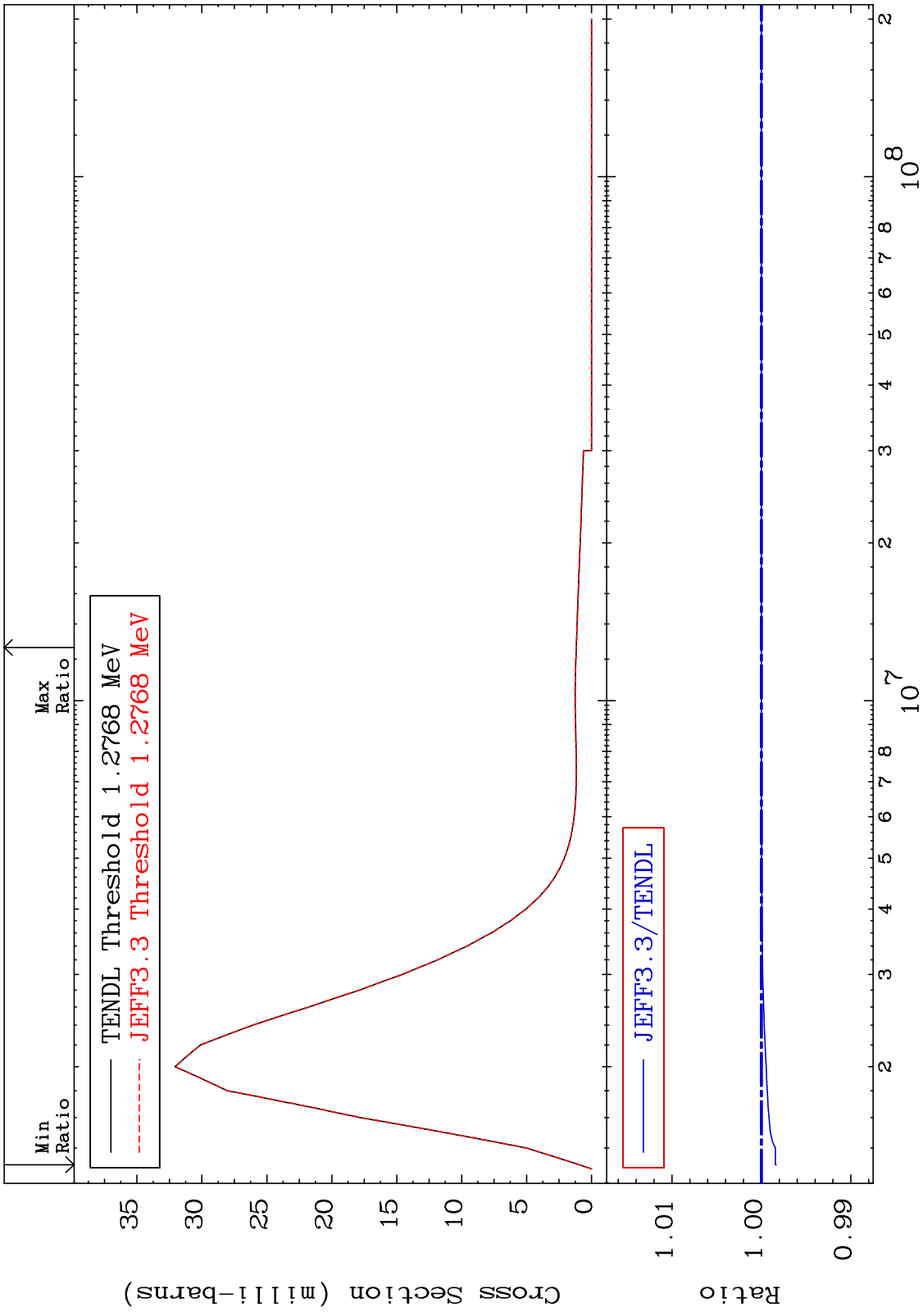
MAT 7843 MT= 54 (n,n') Level Cross Section 78-Pt-196 -0.064 To 0.825 %



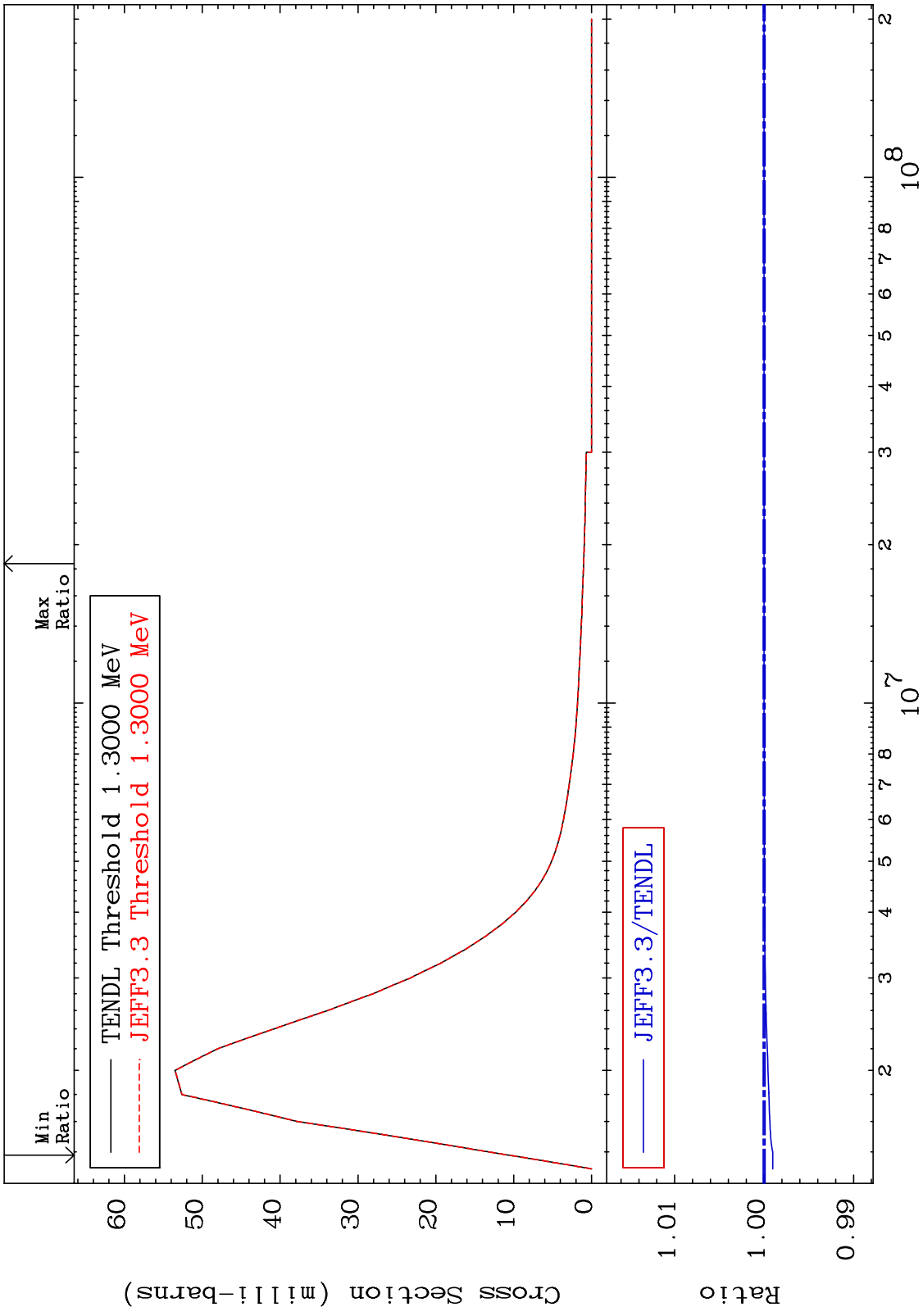
MAT 7843 MT= 55 (n,n') Level Cross Section 78-Pt-196
 -0.035 To 0.825 %



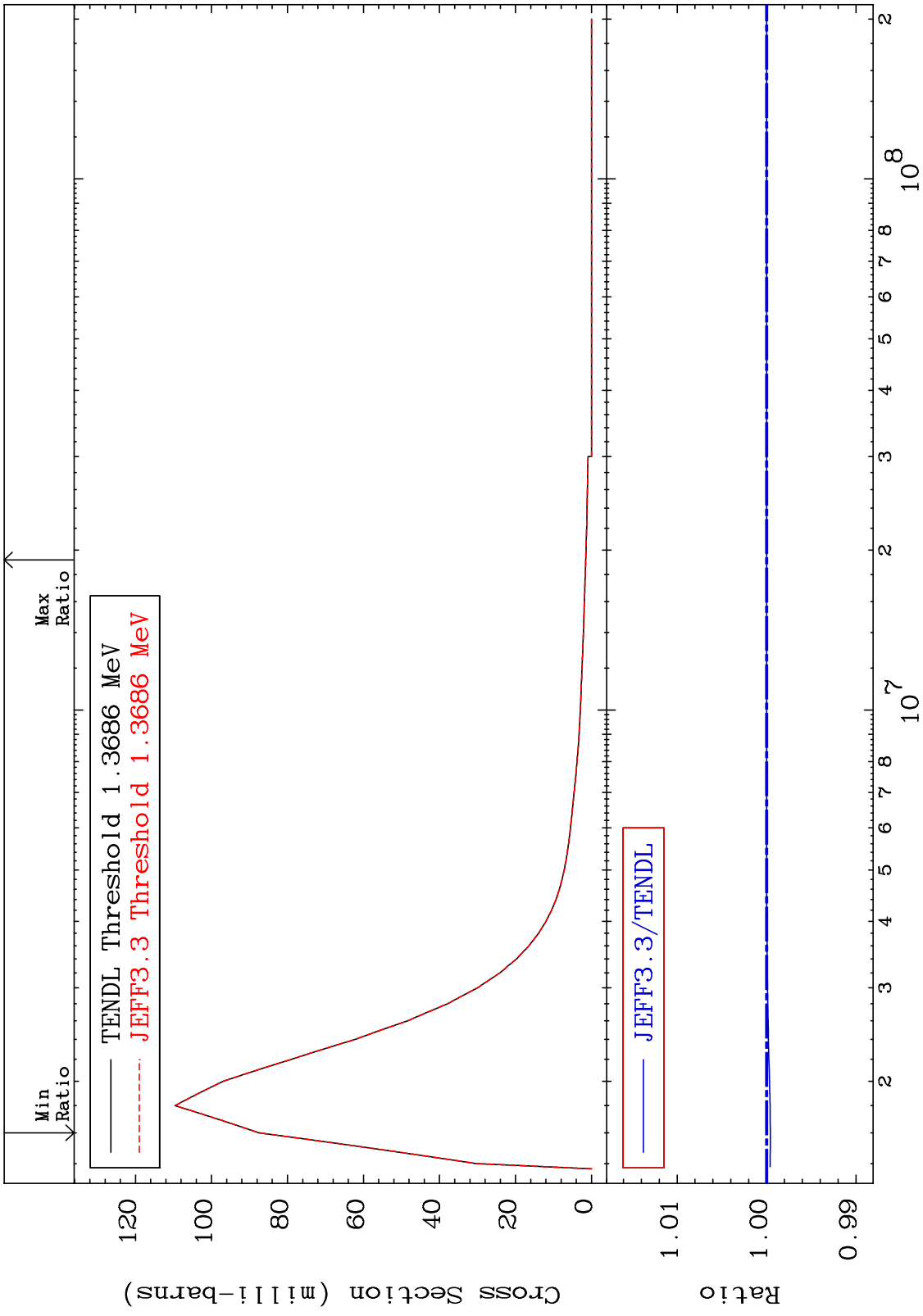
MAT 7843 MT= 56 (n,n') Level Cross Section 78-Pt-196
 -0.157 To 0.000 %



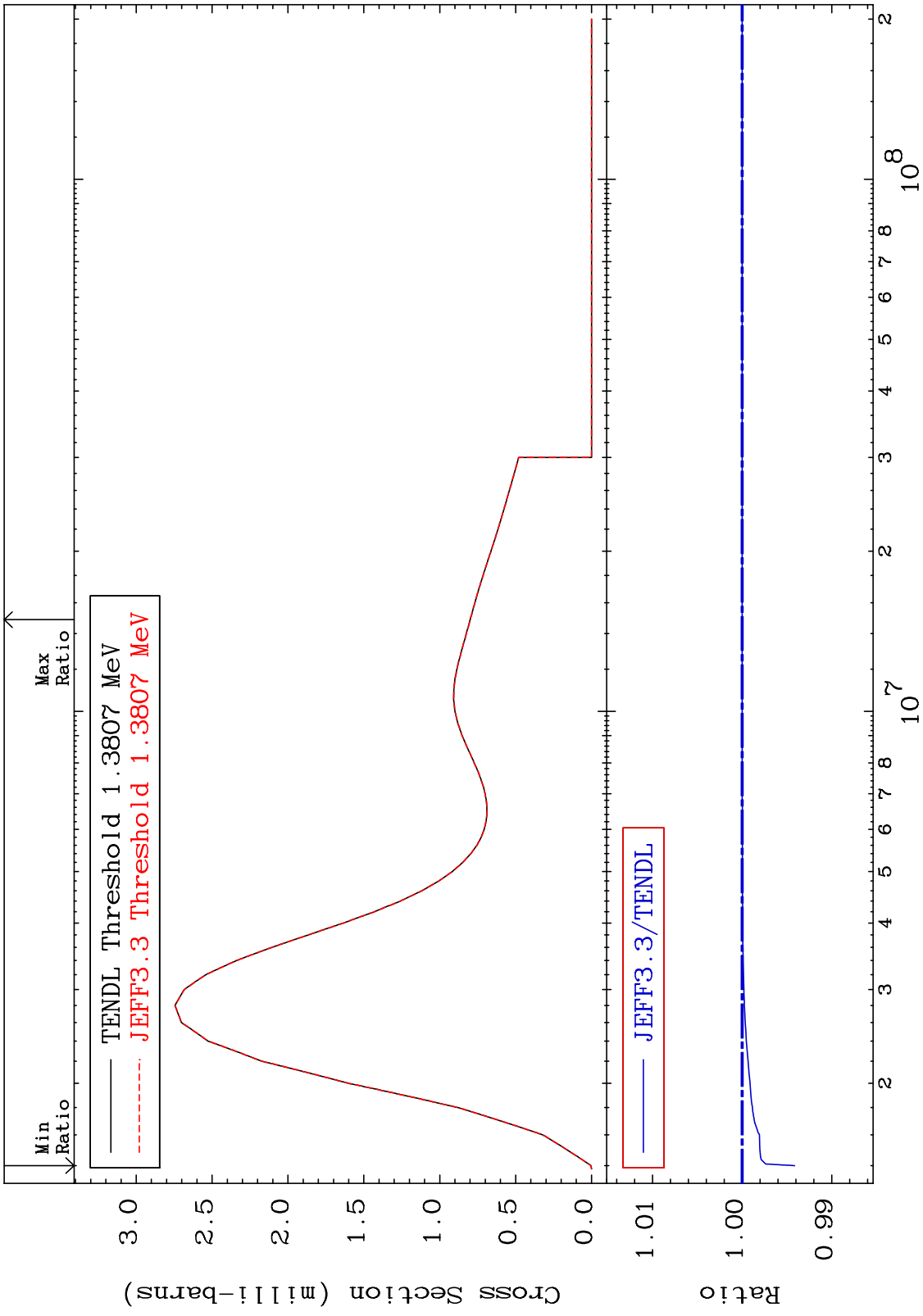
MAT 7843 MT= 57 (n, n') Level Cross Section 78-Pt-196
 -0.097 To 0.000 %



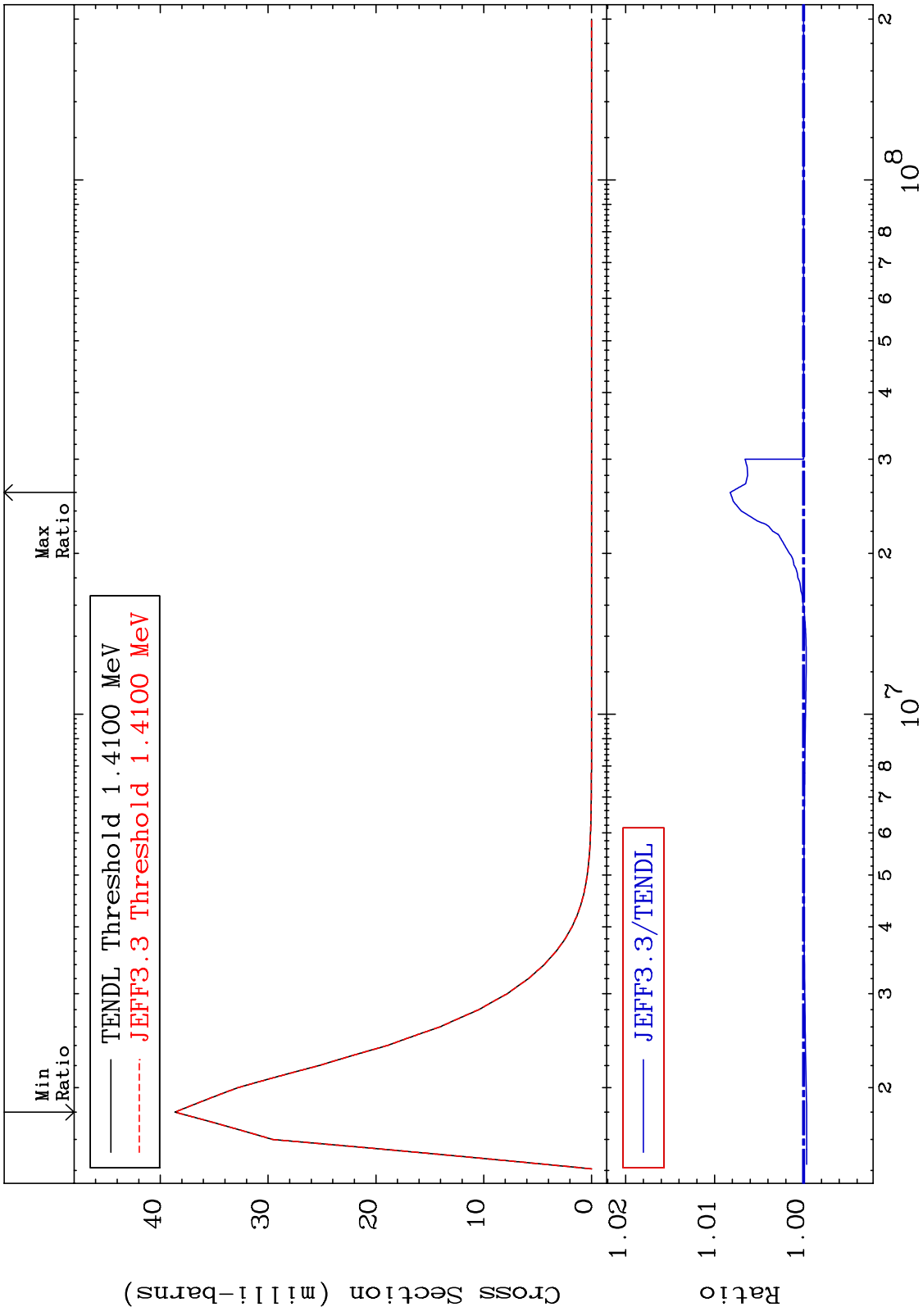
MAT 7843 MT= 58 (n,n') Level Cross Section 78-Pt-196
 -0.042 To 0.000 %



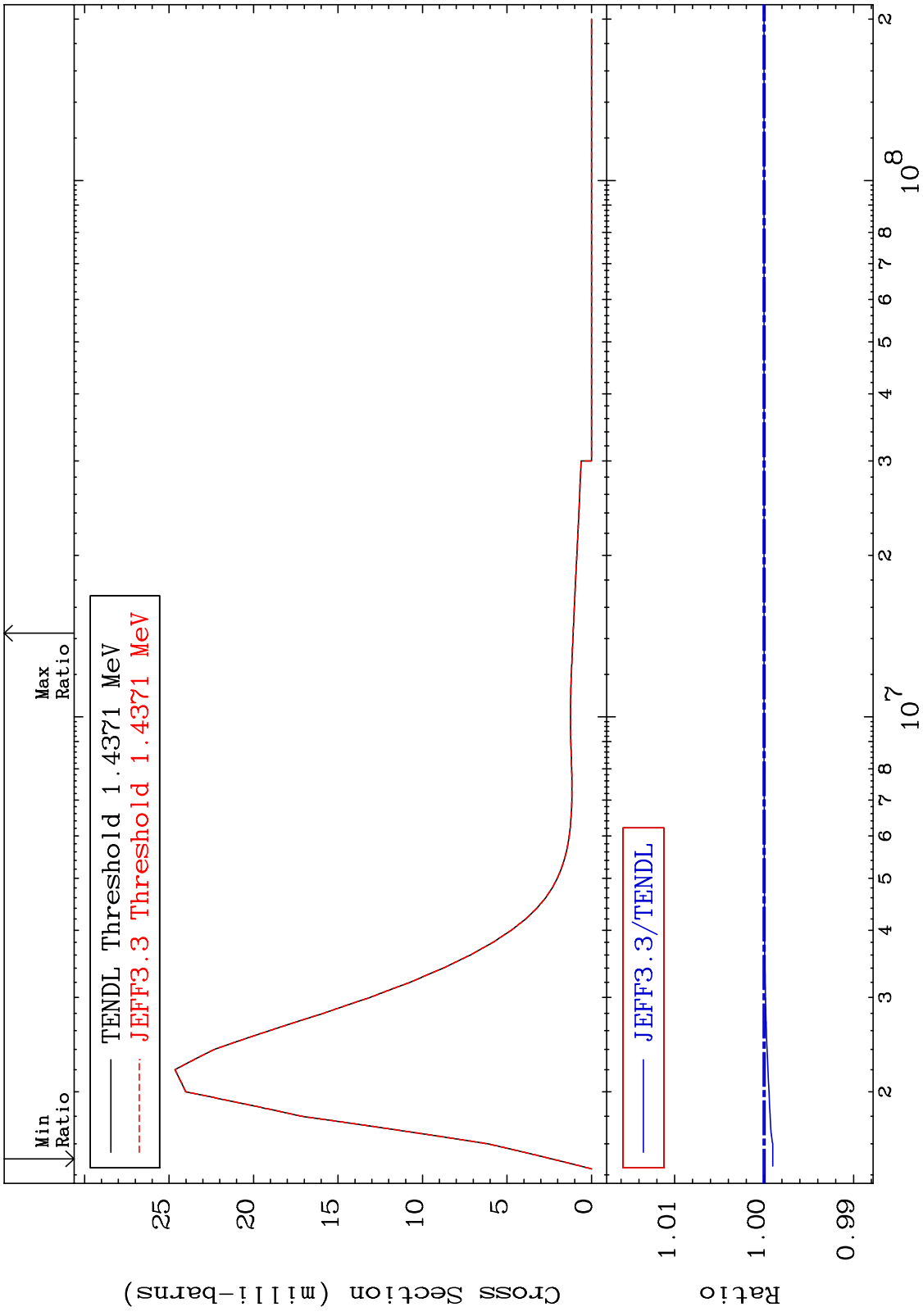
MAT 7843 MT= 59 (n,n') Level Cross Section 78-Pt-196 -0.585 To 0.000 %



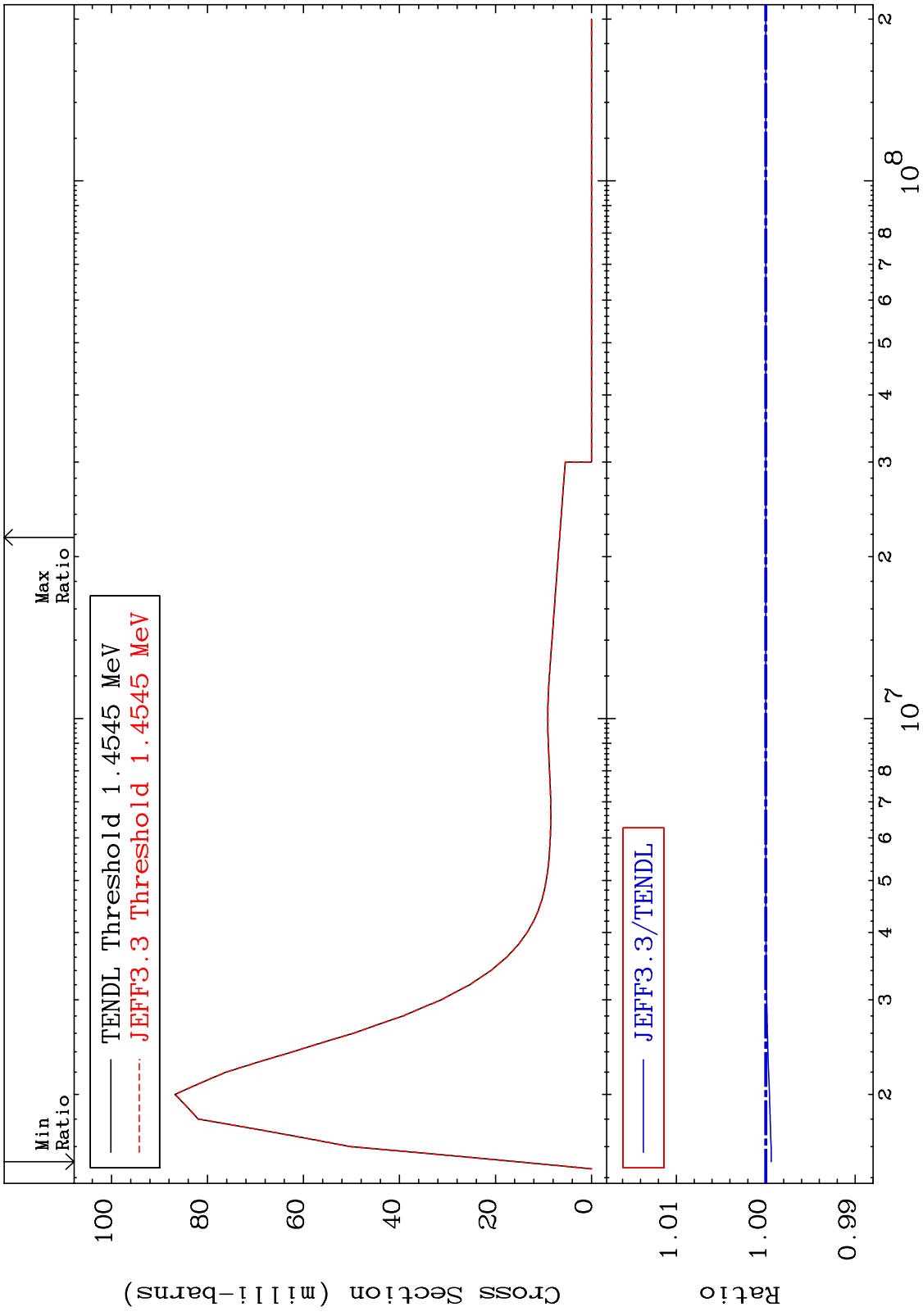
MAT 7843 MT= 60 (n,n') Level Cross Section 78-Pt-196
 -0.034 To 0.825 %



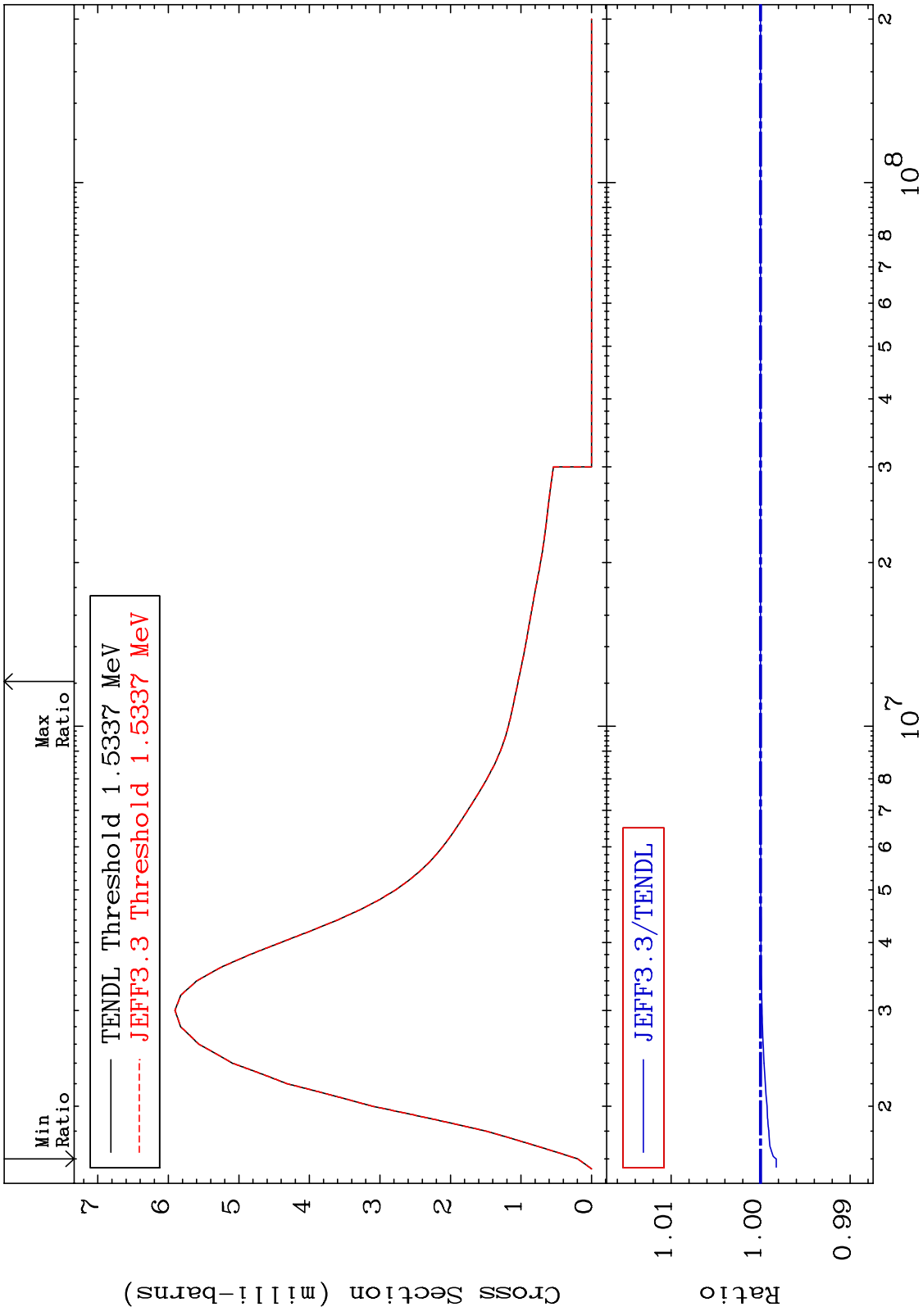
MAT 7843 MT= 61 (n,n') Level Cross Section 78-Pt-196 -0.097 To 0.000 %



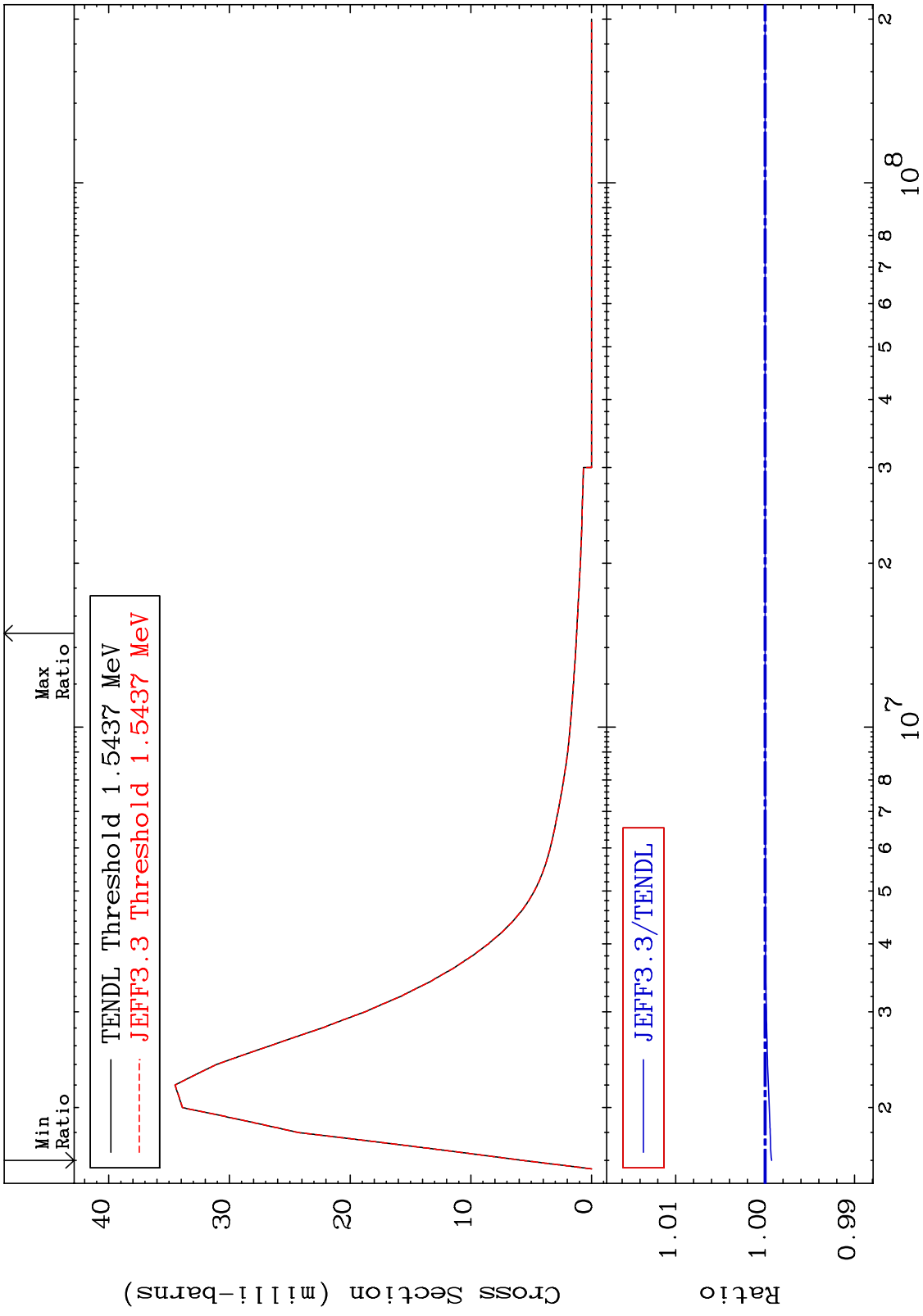
MAT 7843 MT= 62 (n, n') Level Cross Section 78-Pt-196 -0.060 To 0.000 %



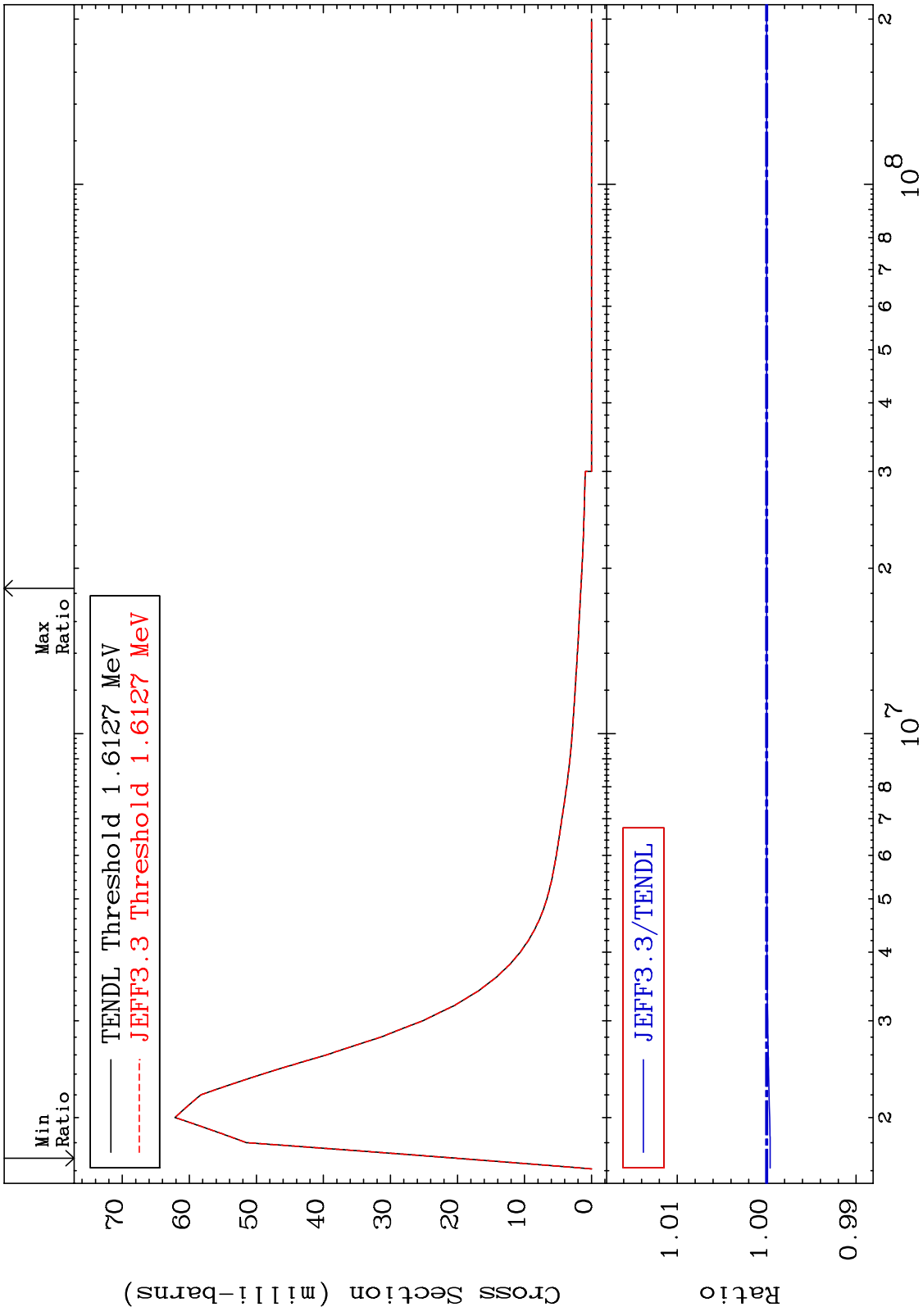
MAT 7843 MT= 63 (n,n') Level Cross Section 78-Pt-196
 -0.175 To 0.000 %



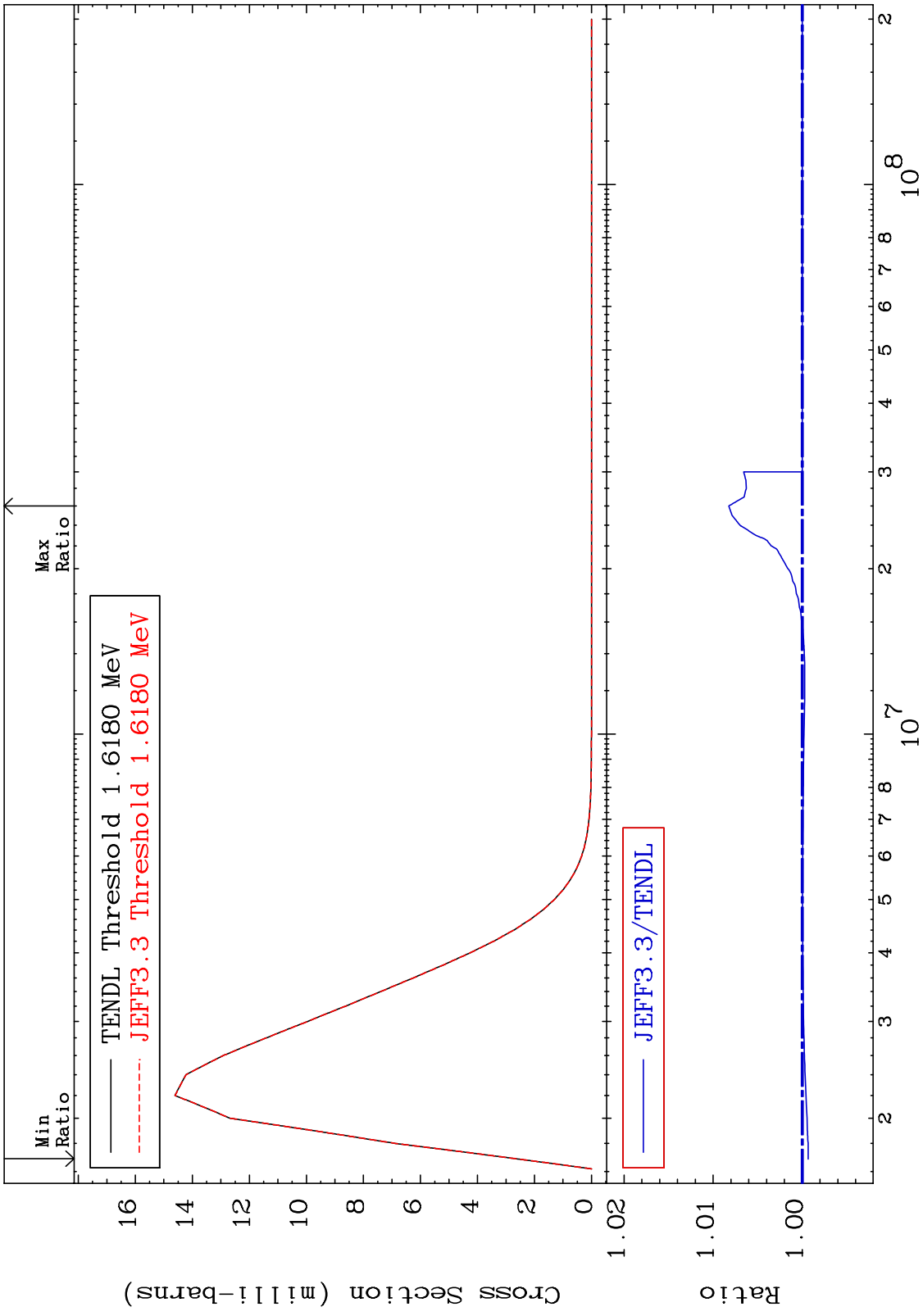
MAT 7843 MT= 64 (n,n') Level Cross Section 78-Pt-196 -0.073 To 0.000 %



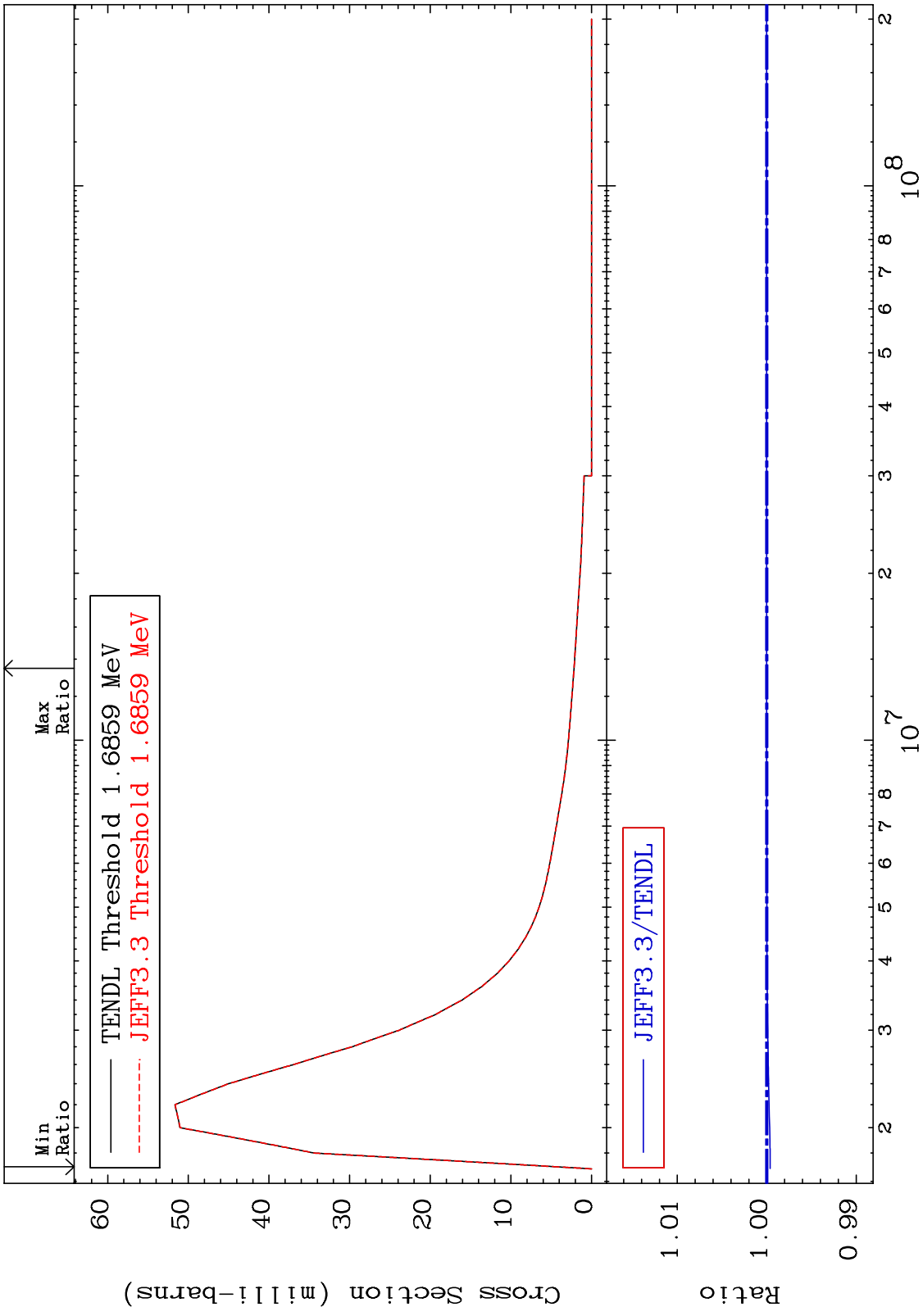
MAT 7843 MT= 65 (n,n') Level Cross Section 78-Pt-196 -0.039 To 0.000 %



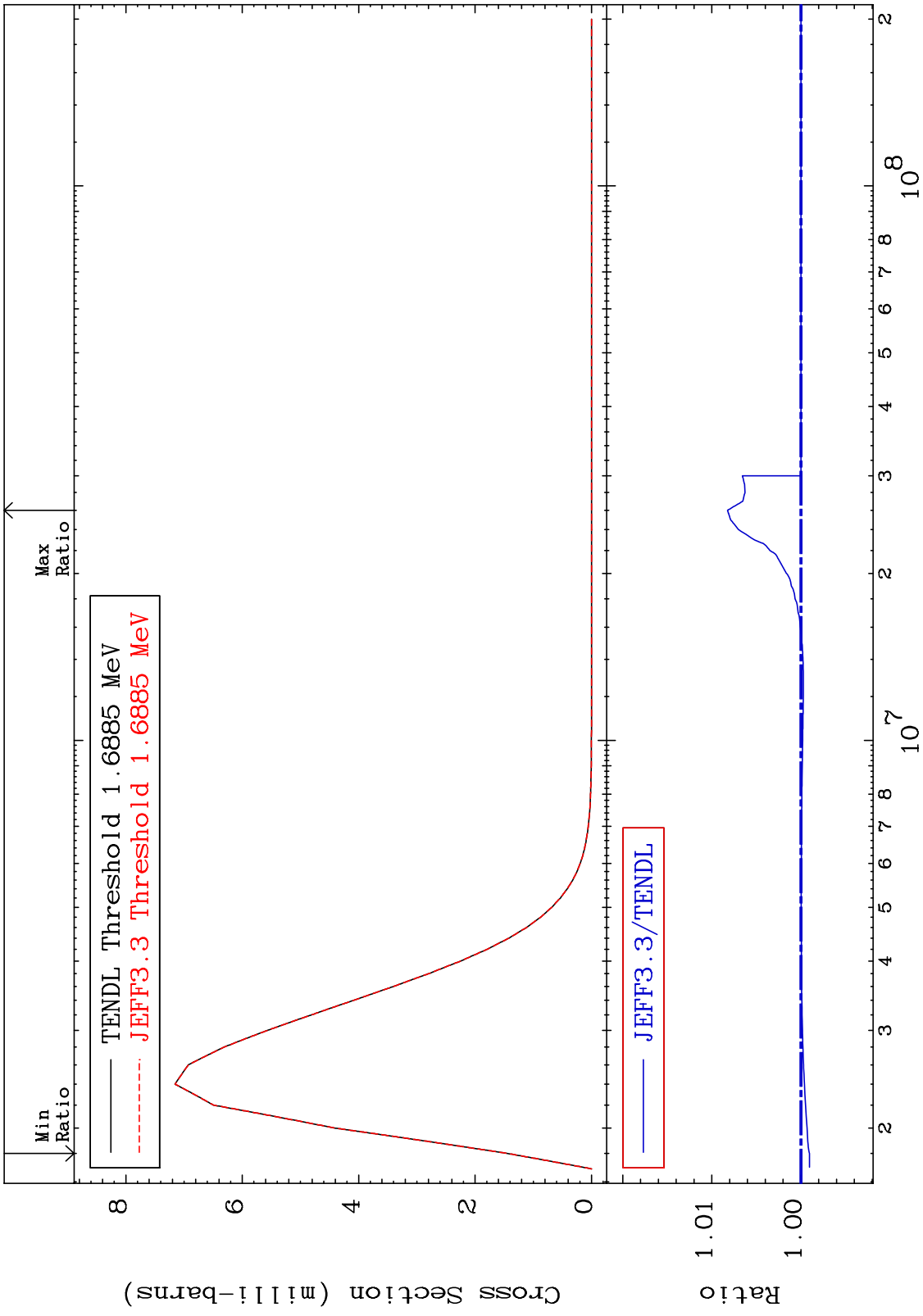
MAT 7843 MT= 66 (n,n') Level Cross Section 78-Pt-196
 -0.066 To 0.825 %



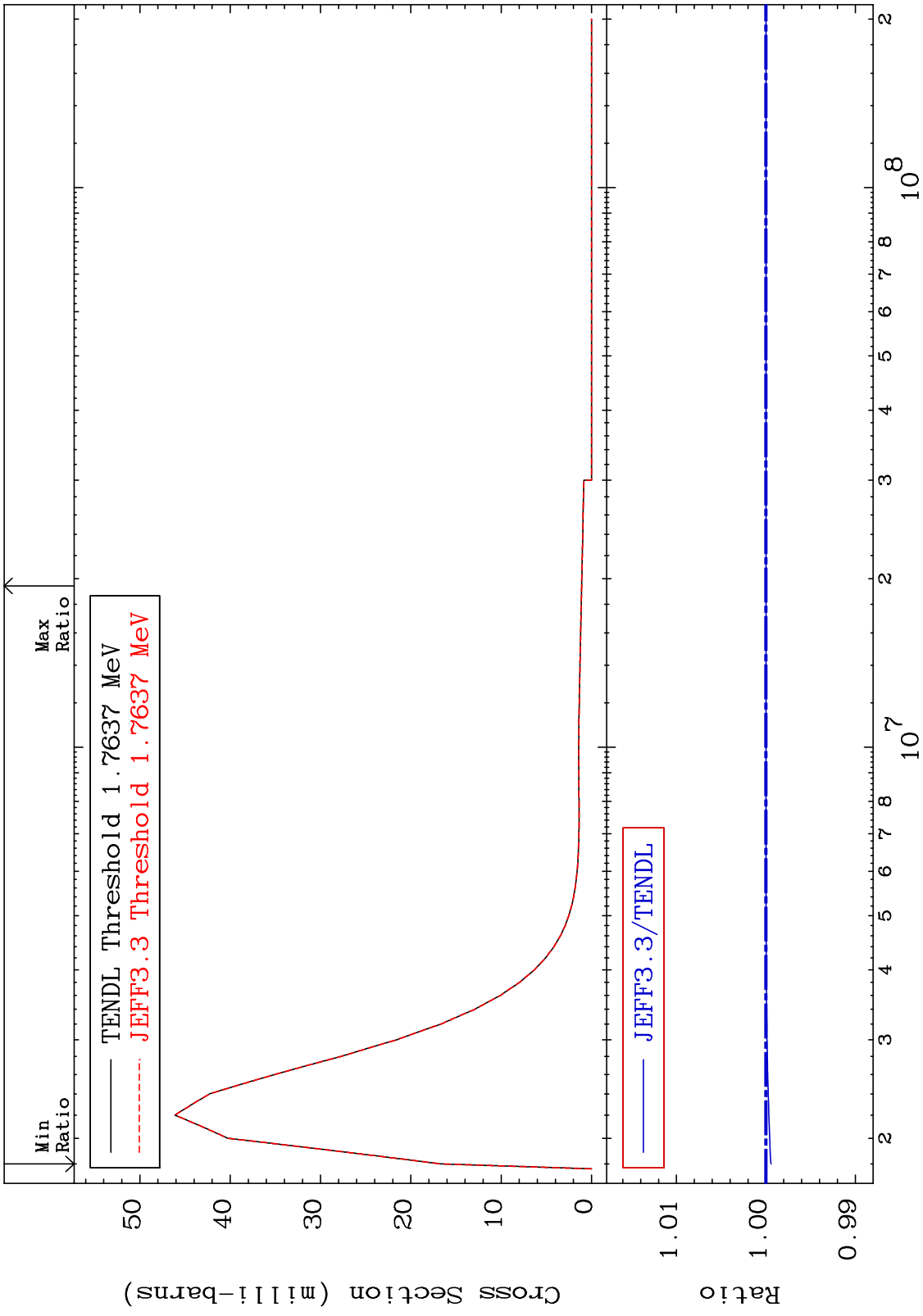
MAT 7843 MT= 67 (n,n') Level Cross Section 78-Pt-196 -0.038 To 0.000 %



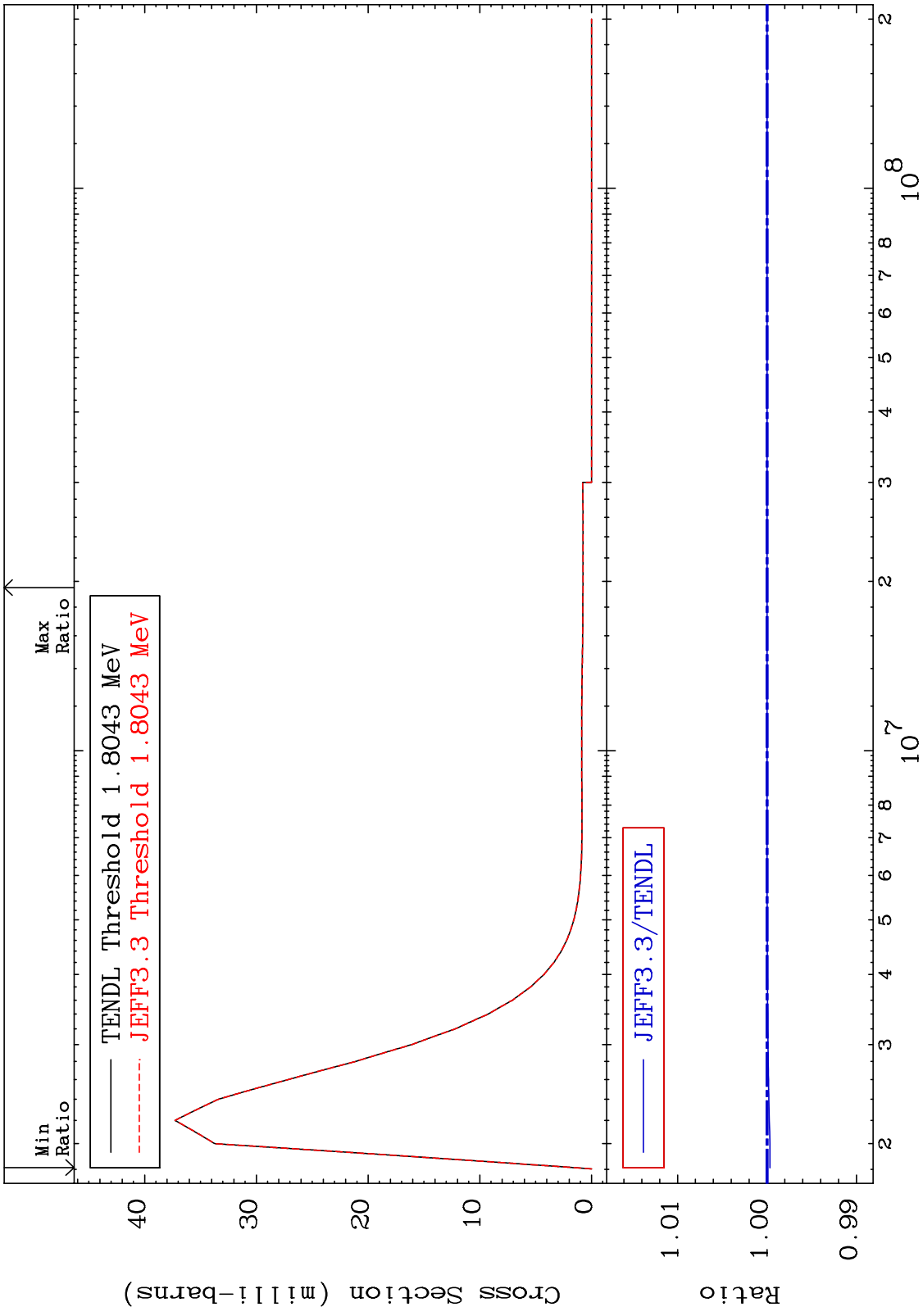
MAT 7843 MT= 68 (n,n') Level Cross Section 78-Pt-196
 -0.096 To 0.825 %



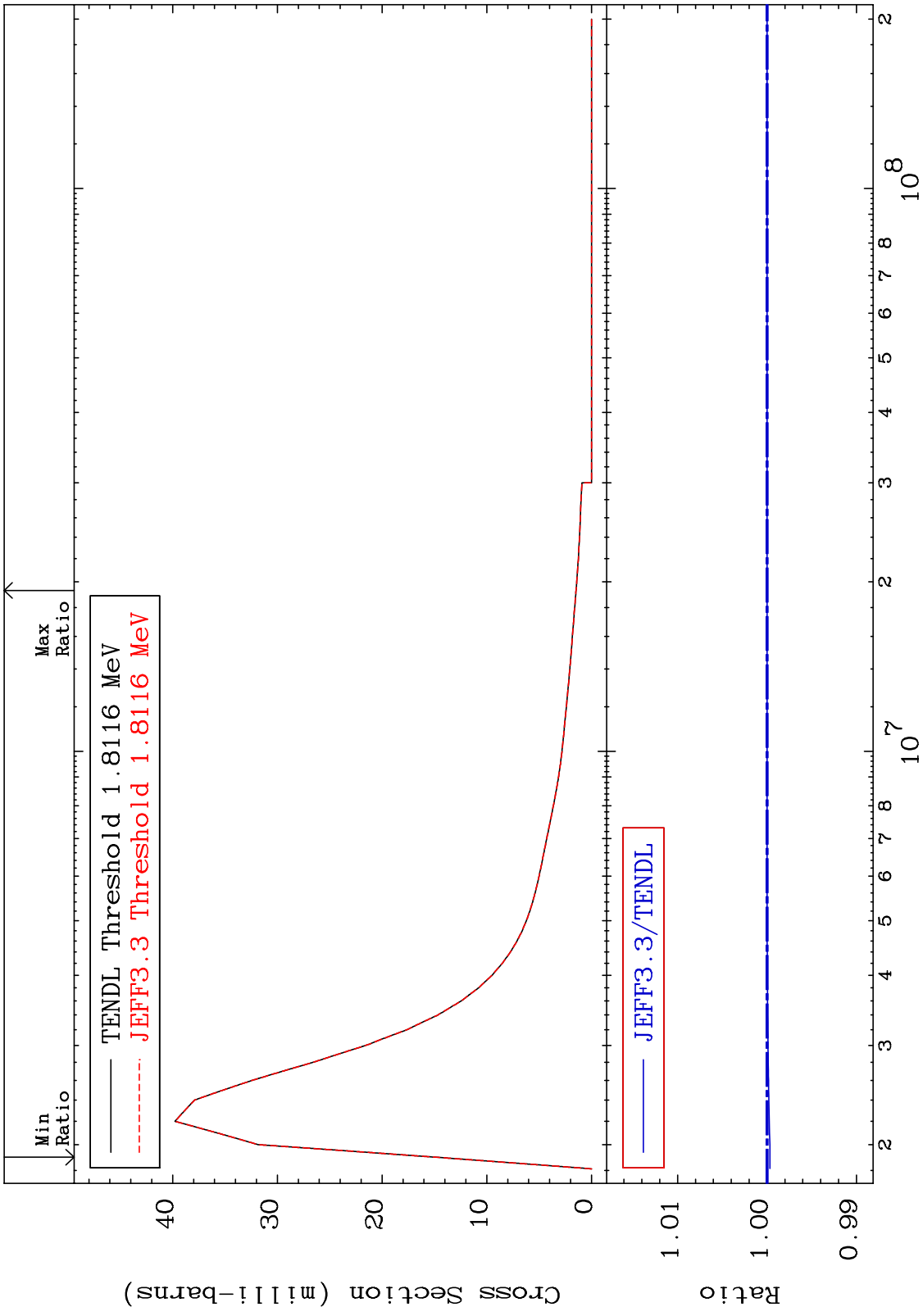
MAT 7843 MT= 69 (n,n') Level Cross Section 78-Pt-196 -0.057 To 0.000 %



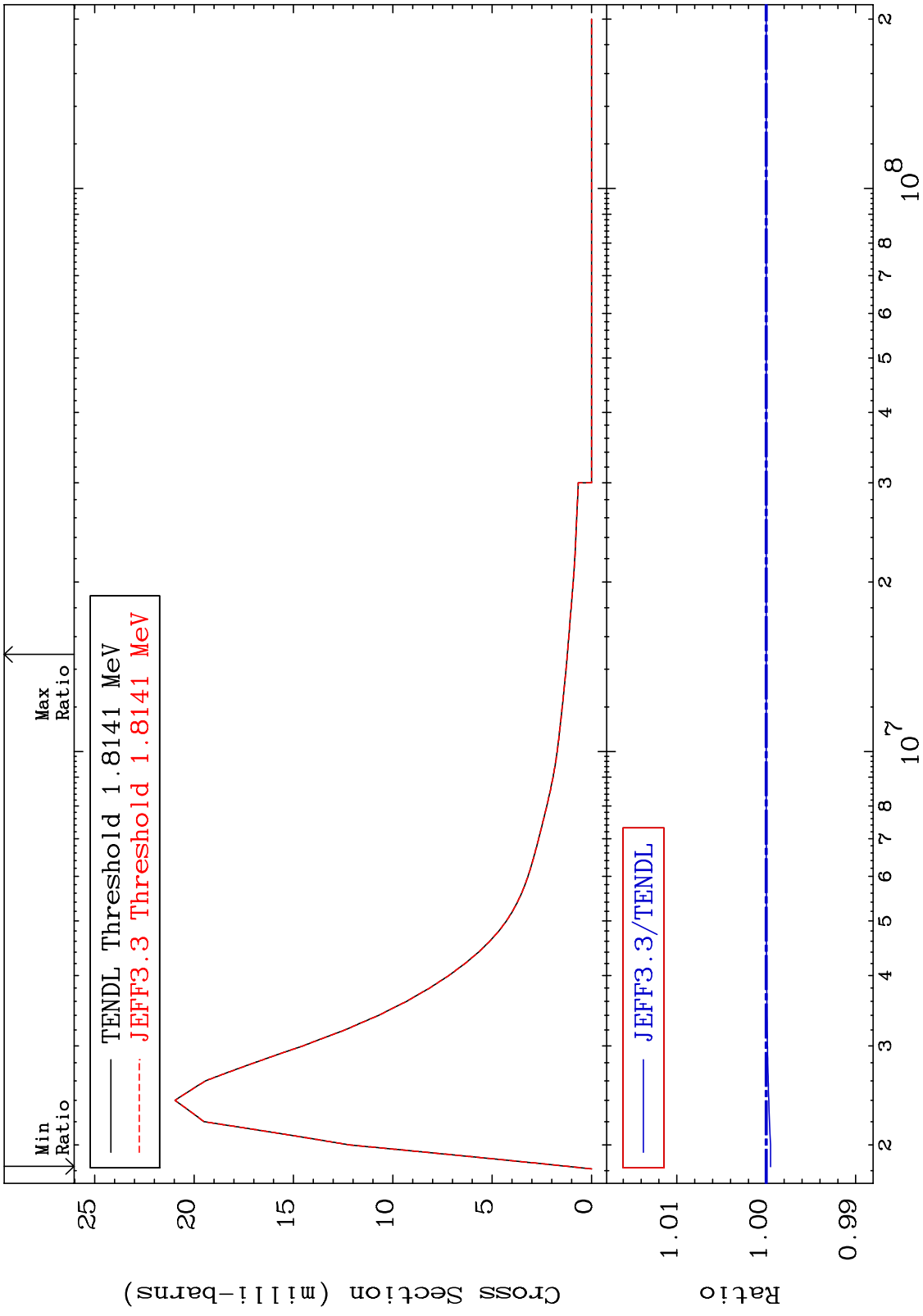
MAT 7843 MT= 70 (n,n') Level Cross Section 78-Pt-196
 -0.032 To 0.000 %



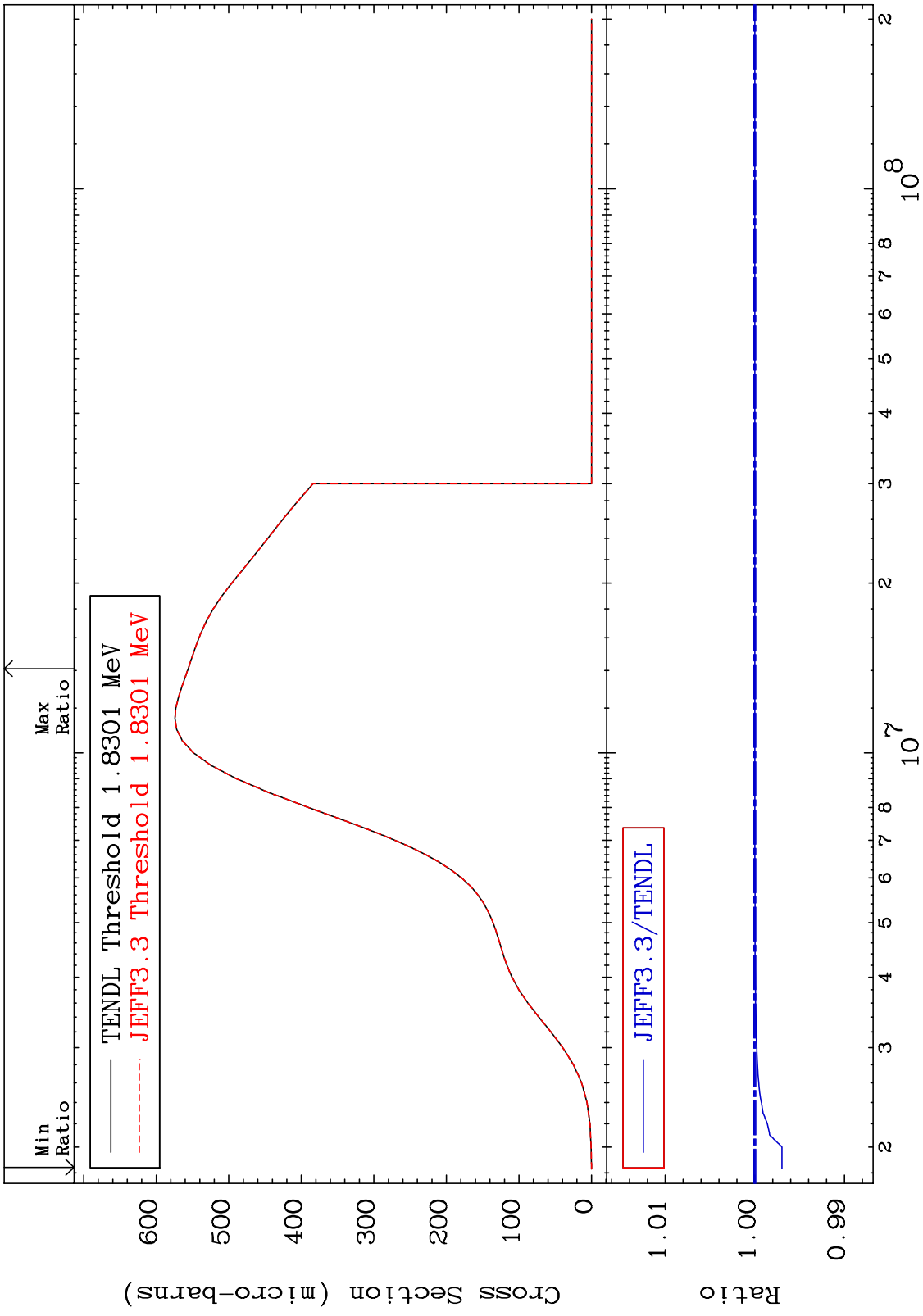
MAT 7843 MT= 71 (n,n') Level Cross Section 78-Pt-196
 -0.032 To 0.000 %



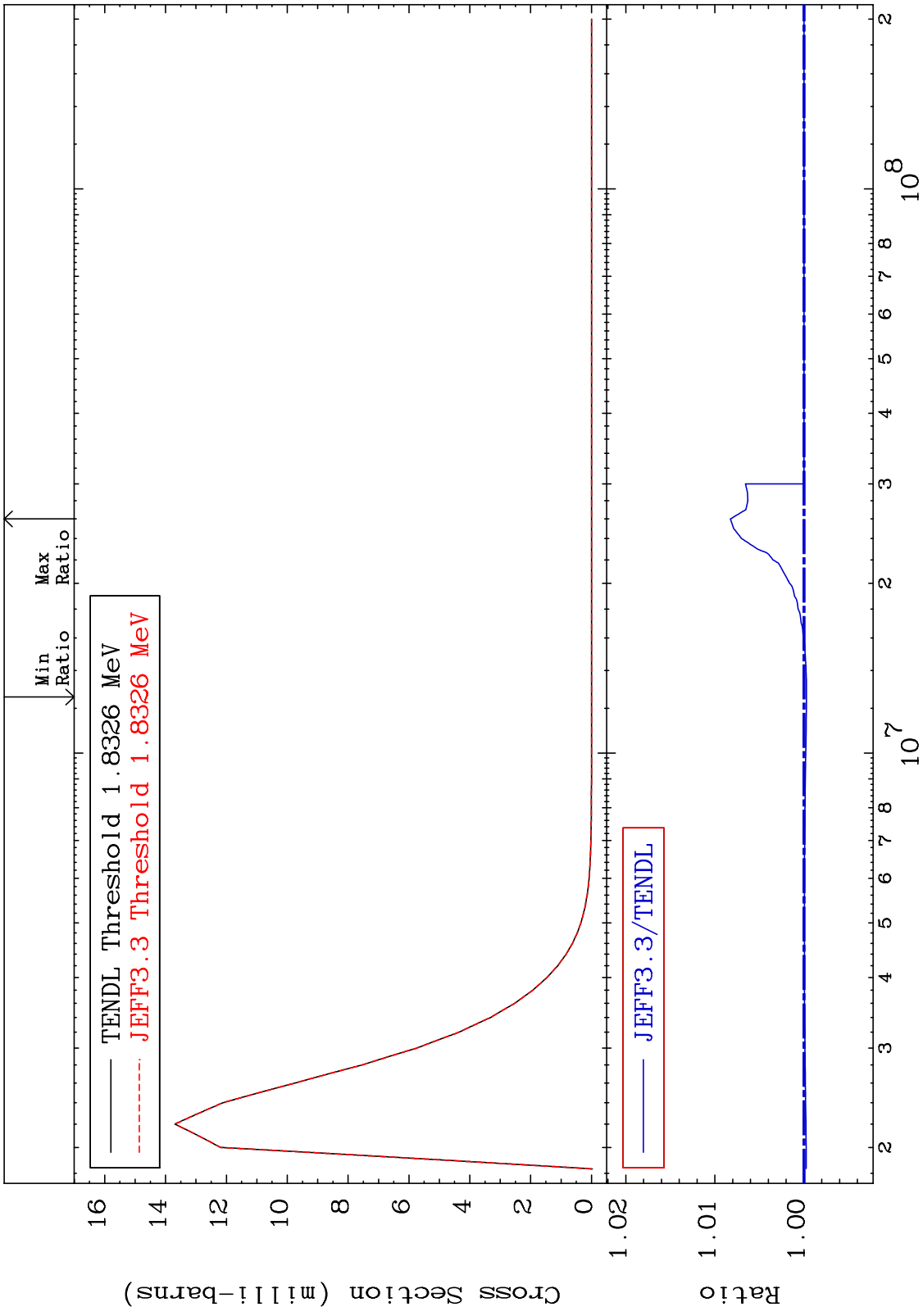
MAT 7843 MT= 72 (n,n') Level Cross Section 78-Pt-196
 -0.049 To 0.000 %



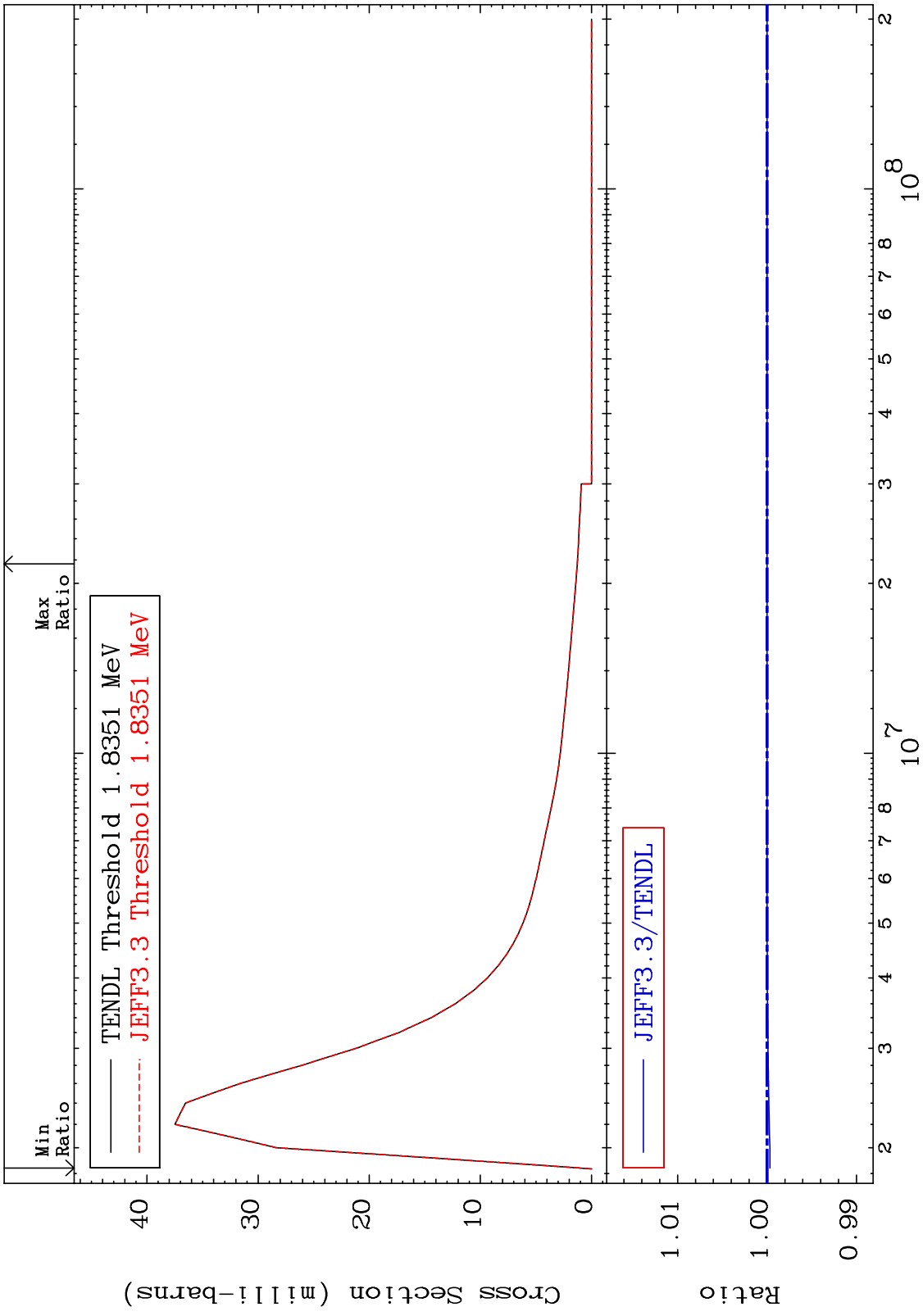
MAT 7843 MT= 73 (n,n') Level Cross Section 78-Pt-196
 -0.304 To 0.000 %



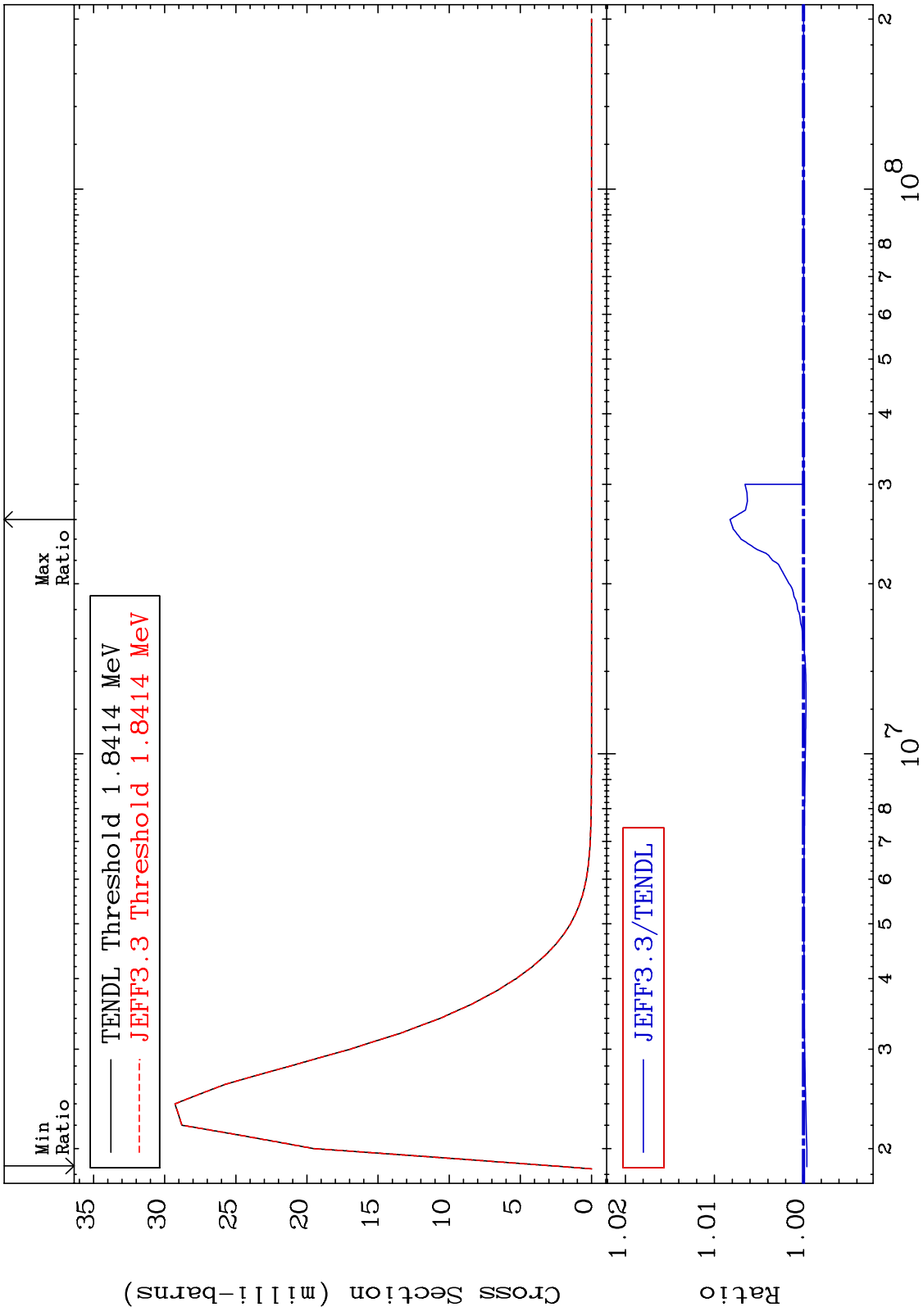
MAT 7843 MT= 74 (n,n') Level Cross Section 78-Pt-196
 -0.029 To 0.826 %



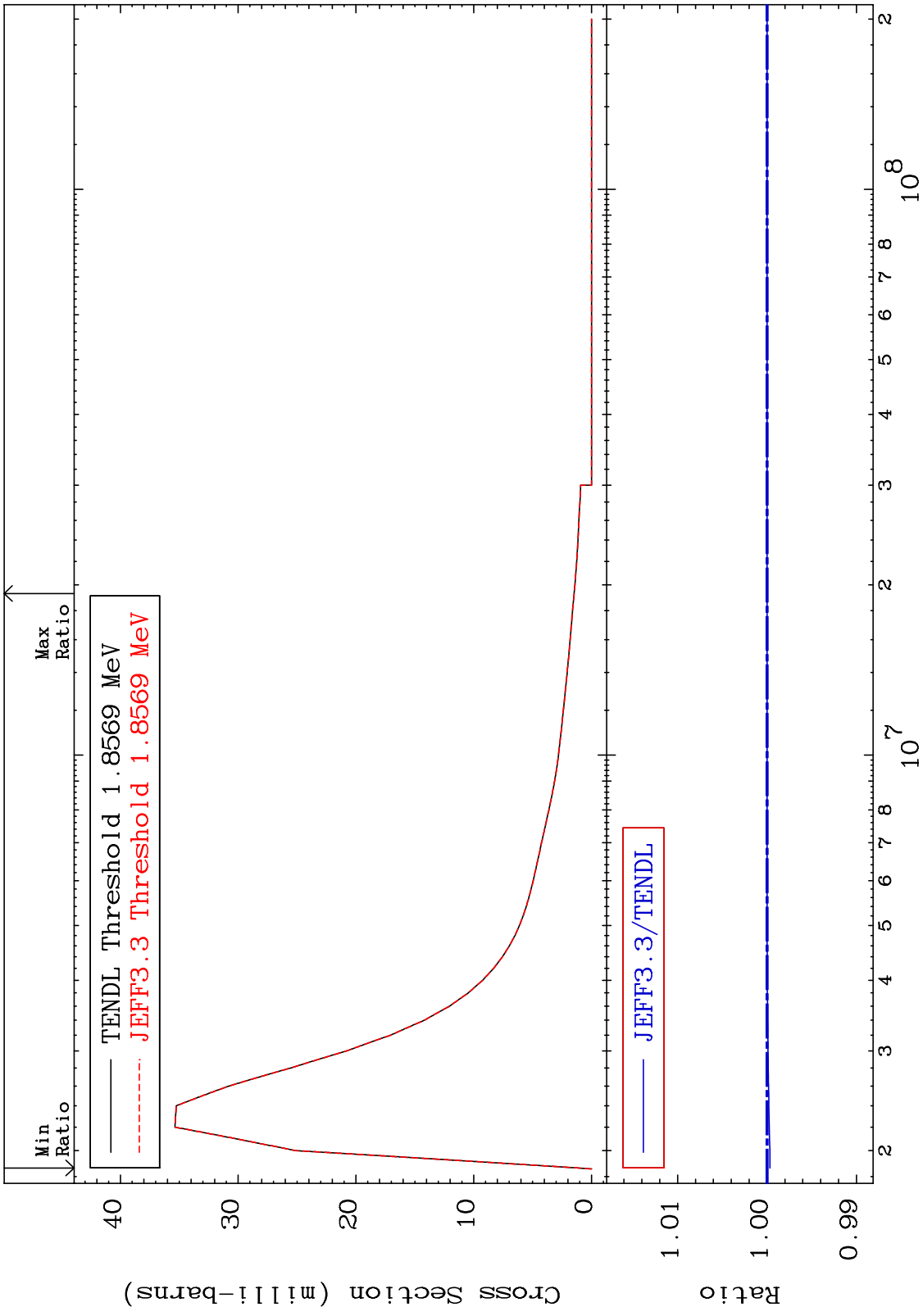
MAT 7843 MT= 75 (n,n') Level Cross Section 78-Pt-196
 -0.032 To 0.000 %



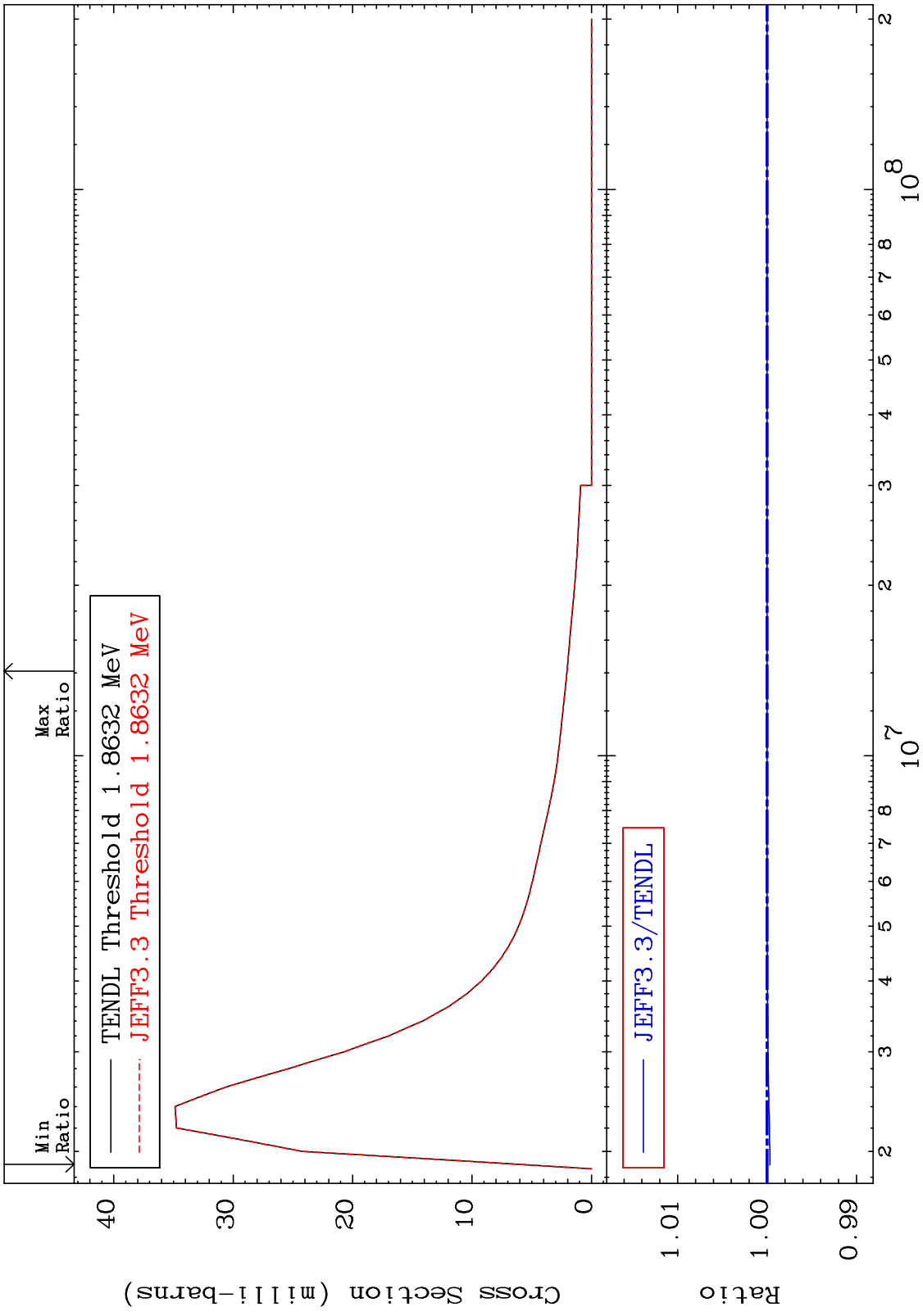
MAT 7843 MT= 76 (n,n') Level Cross Section 78-Pt-196
 -0.038 To 0.825 %



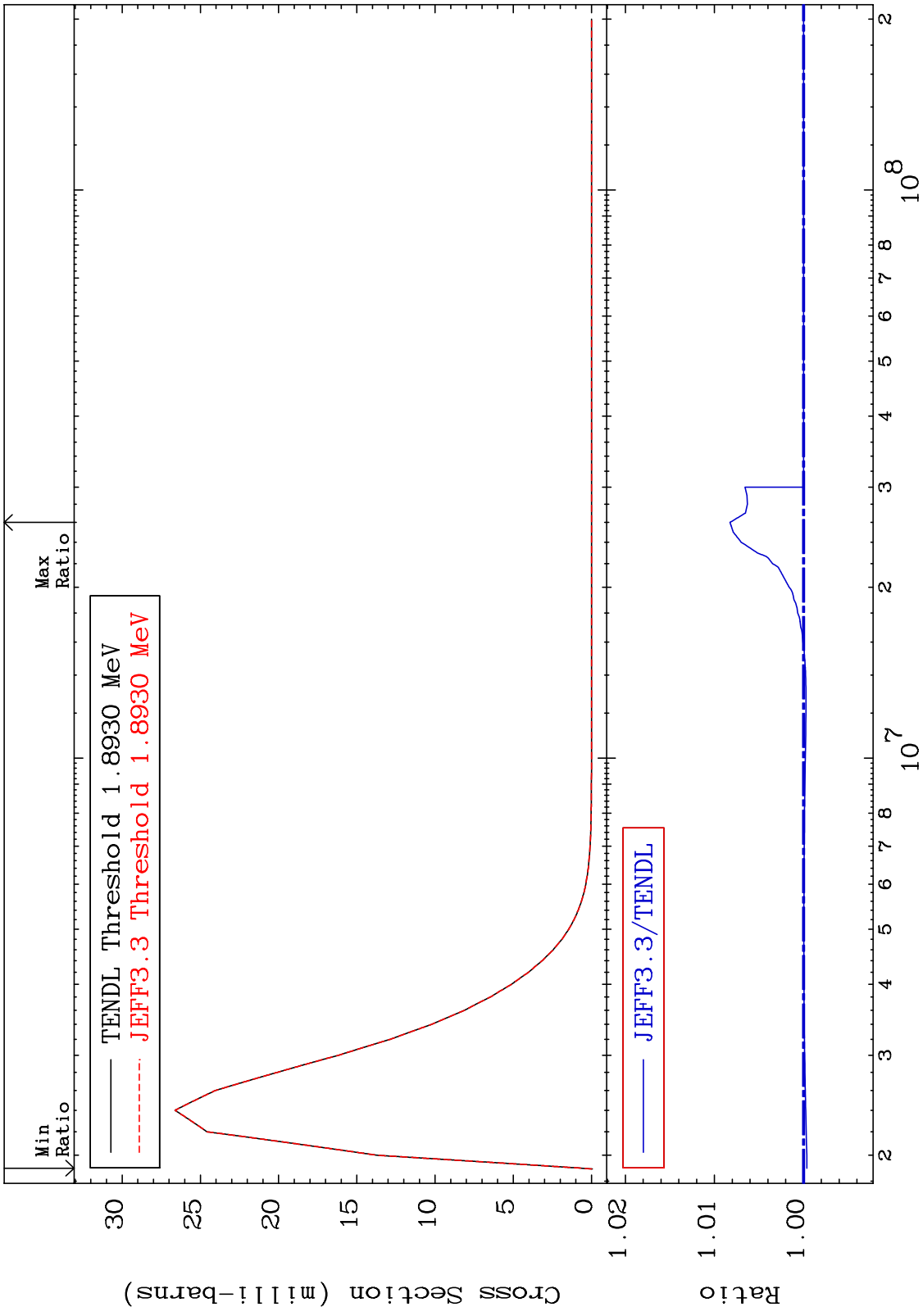
MAT 7843 MT= 77 (n,n') Level Cross Section 78-Pt-196 -0.031 To 0.000 %



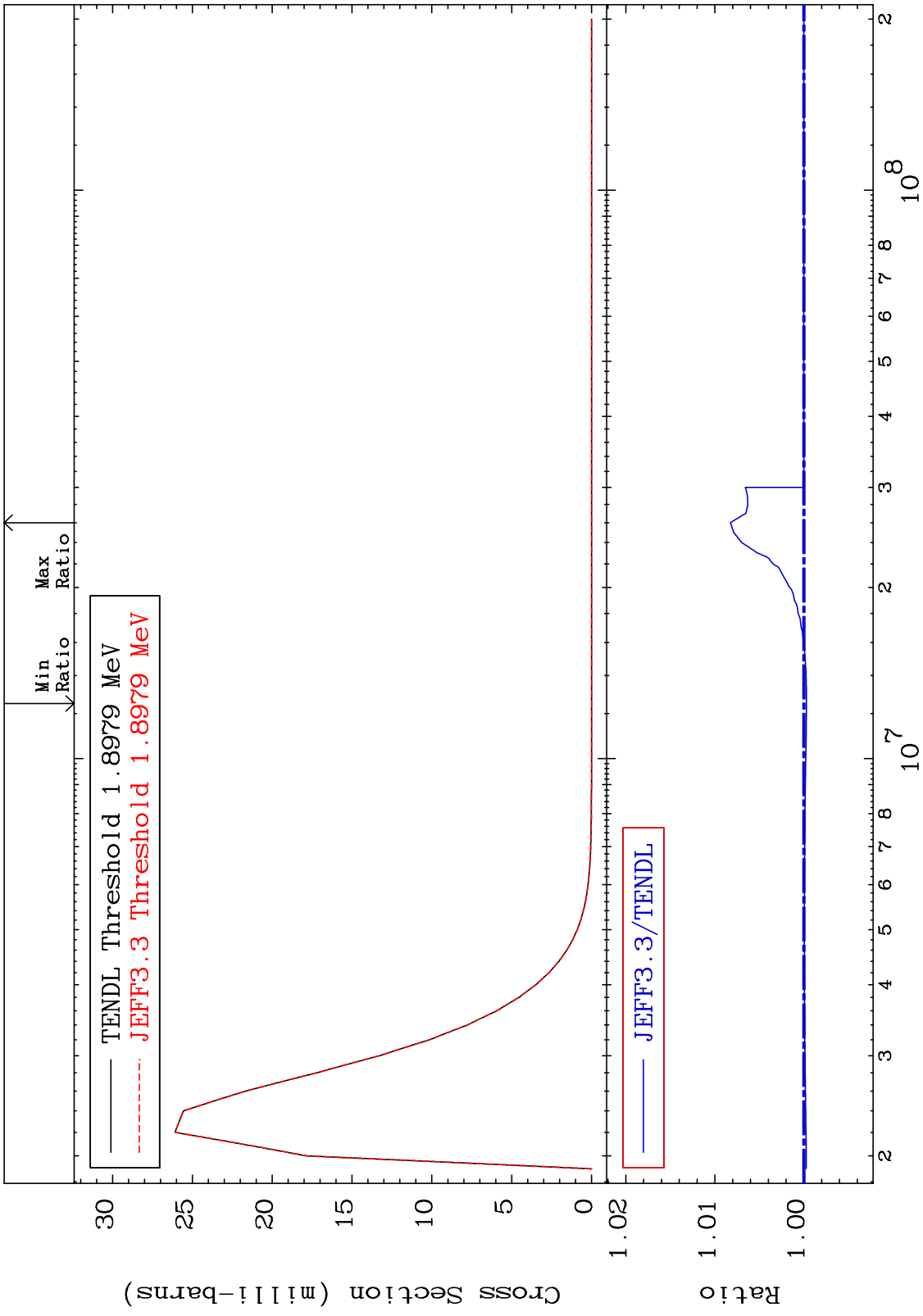
MAT 7843 MT= 78 (n,n') Level Cross Section 78-Pt-196 -0.031 To 0.000 %



MAT 7843 MT= 79 (n,n') Level Cross Section 78-Pt-196
 -0.038 To 0.825 %



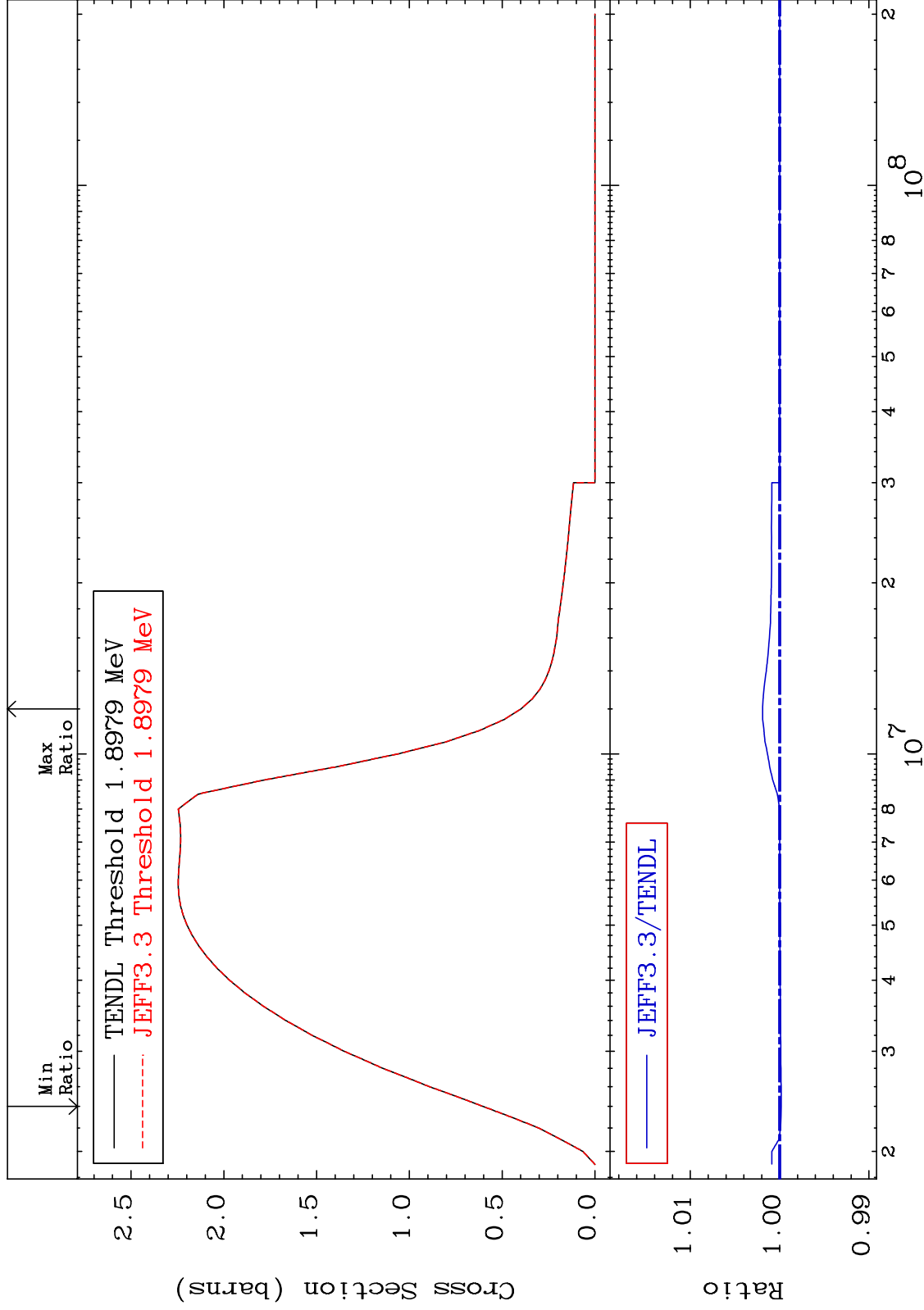
MAT 7843 MT= 80 (n, n') Level Cross Section 78-Pt-196
 -0.029 To 0.825 %



MAT 7843

(n, n') Continuum
Cross Section

78-Pt-196
-0.017 To 0.191 %



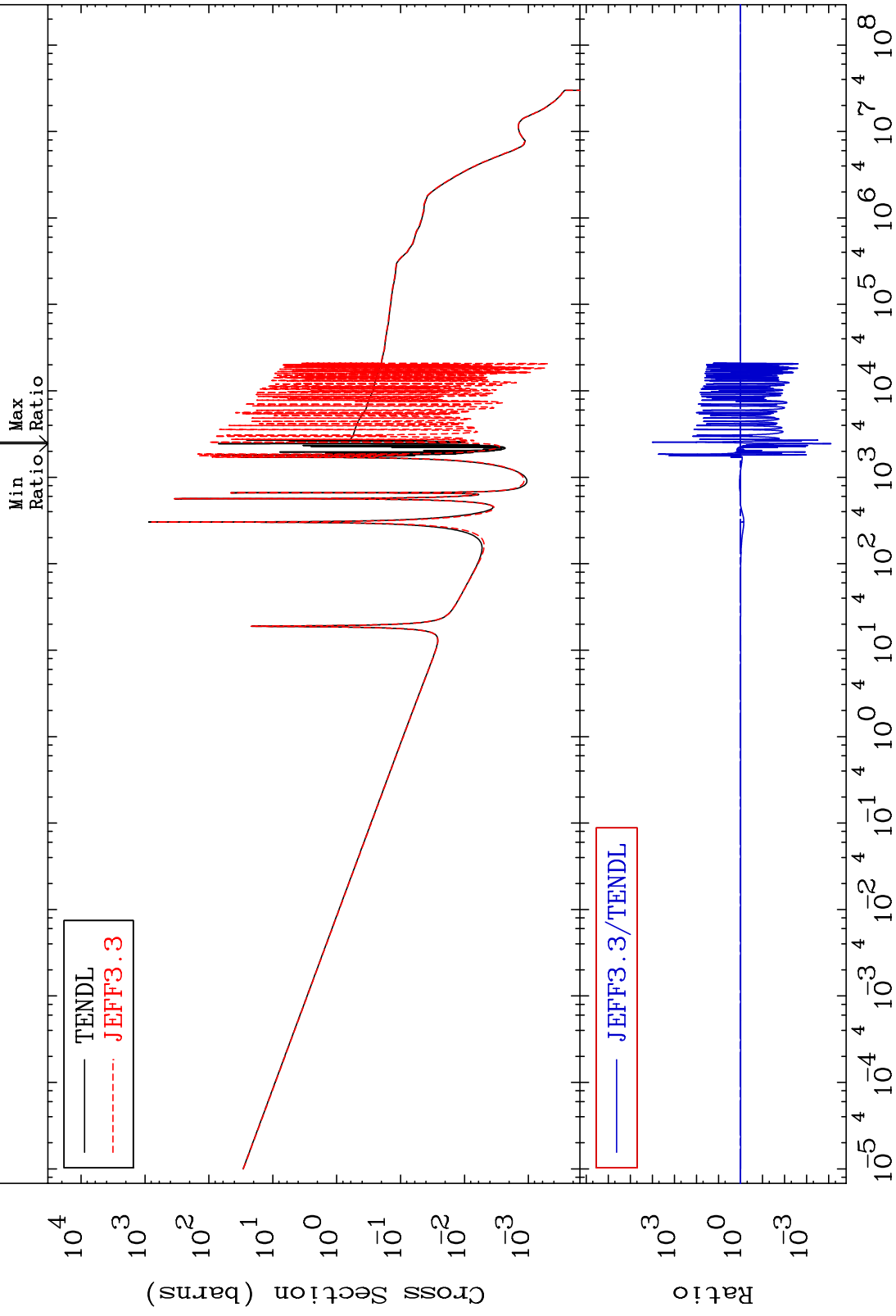
MAT 7843

(n, γ)

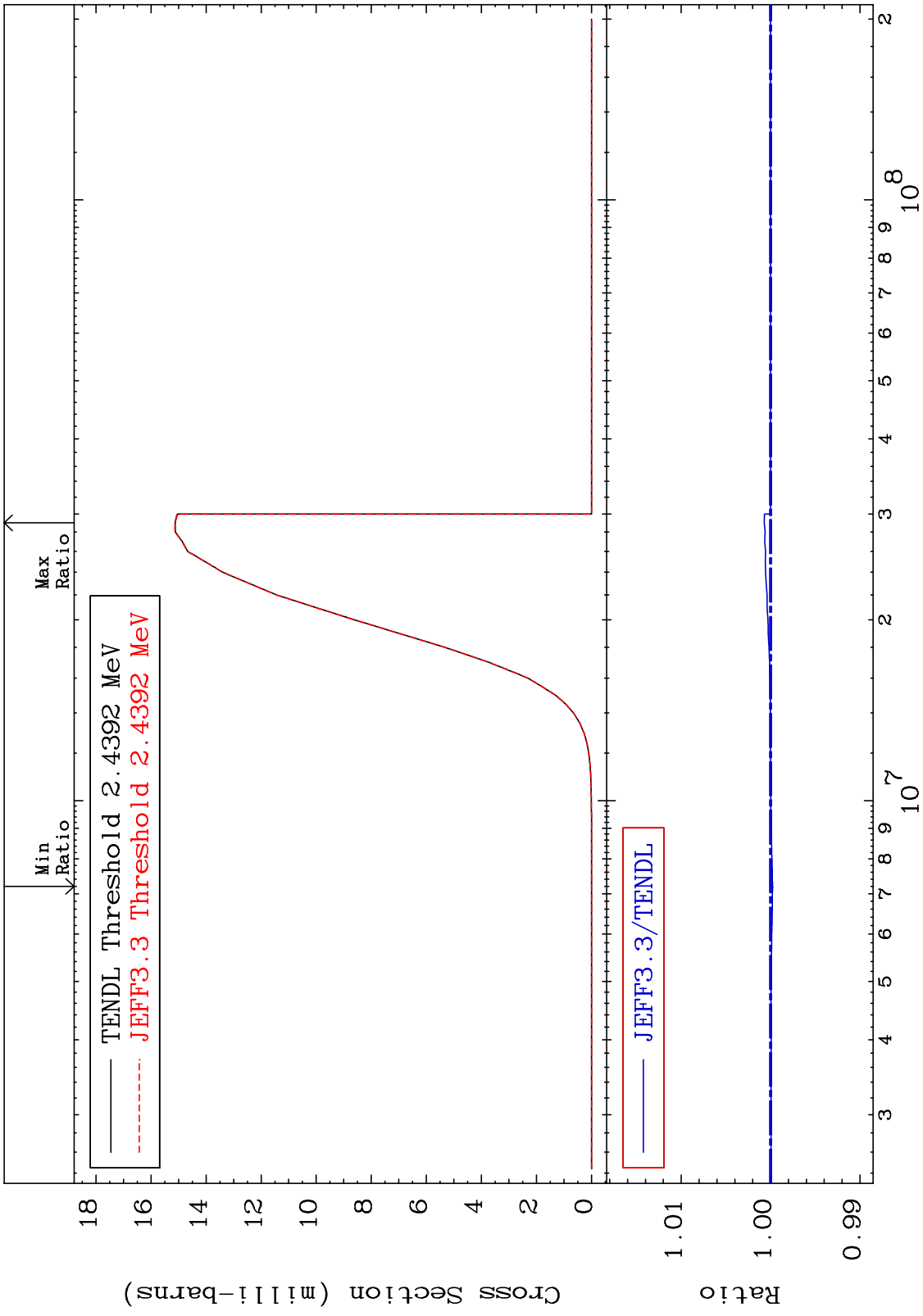
78-Pt-196

-99.99 To 9999. %

Cross Section



MAT 7843 (n,p) Cross Section 78-Pt-196
 -0.024 To 0.071 %



50 Incident Energy (eV) 78-Pt-196

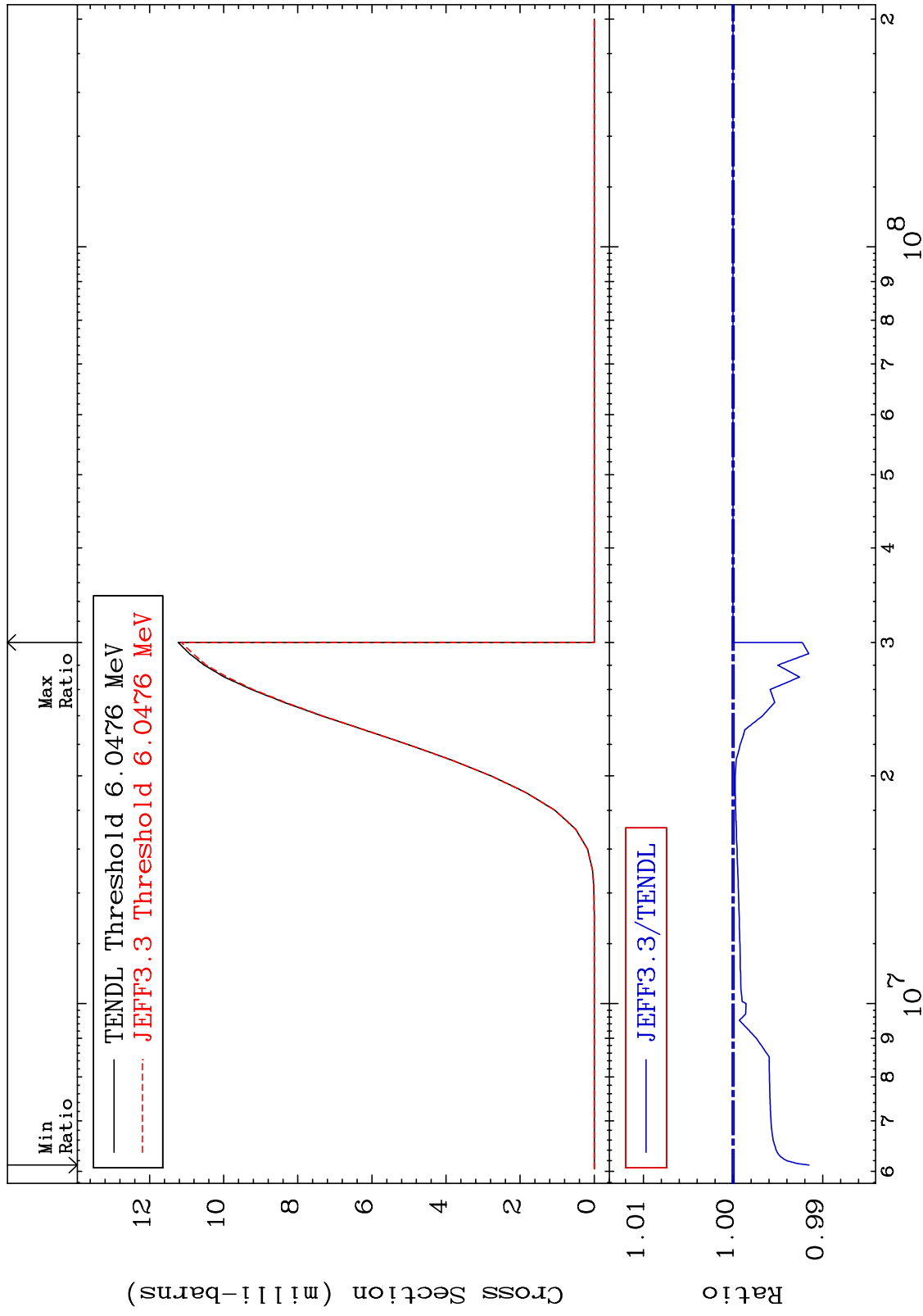
MAT 7843

(n,d)

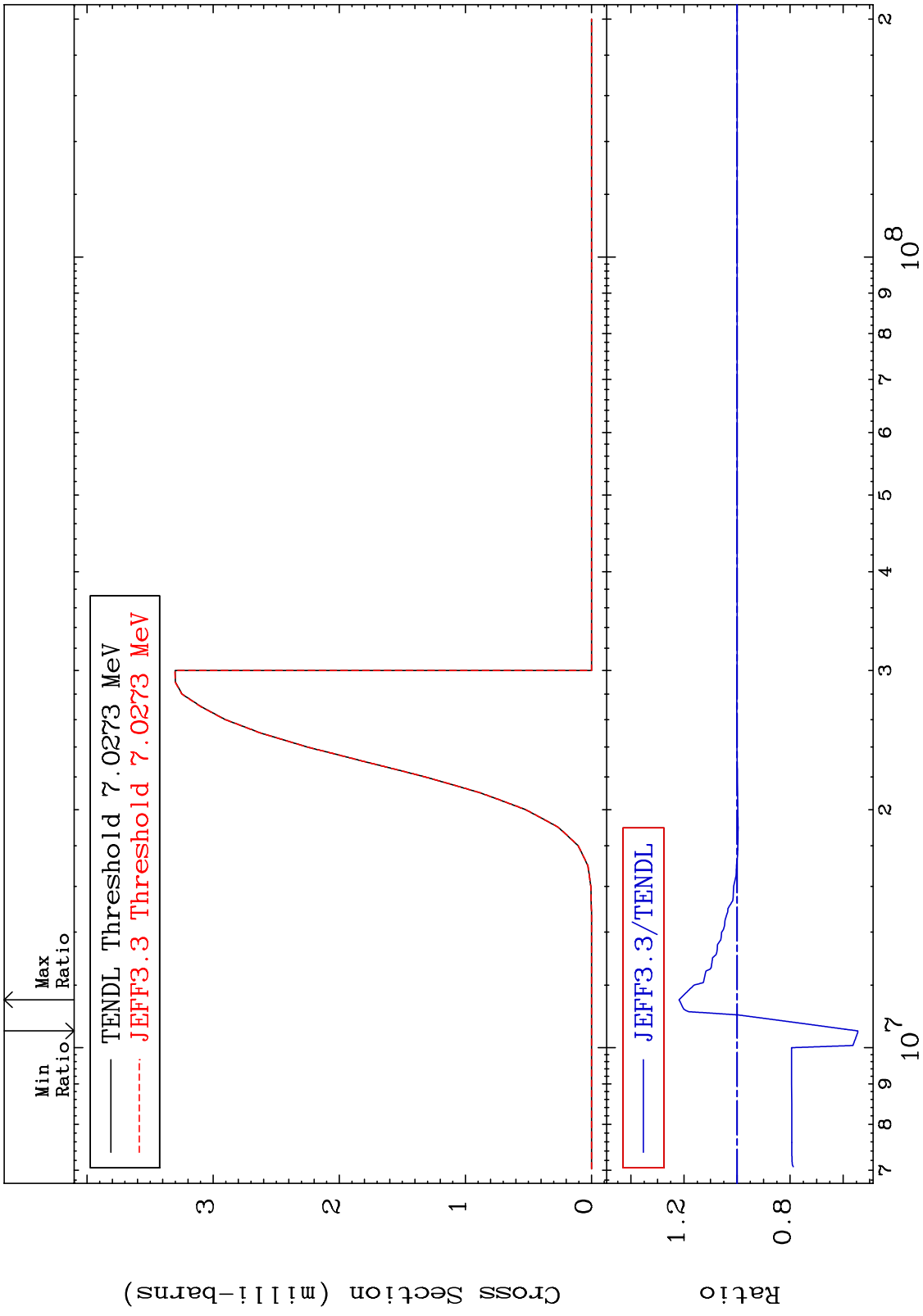
78-Pt-196

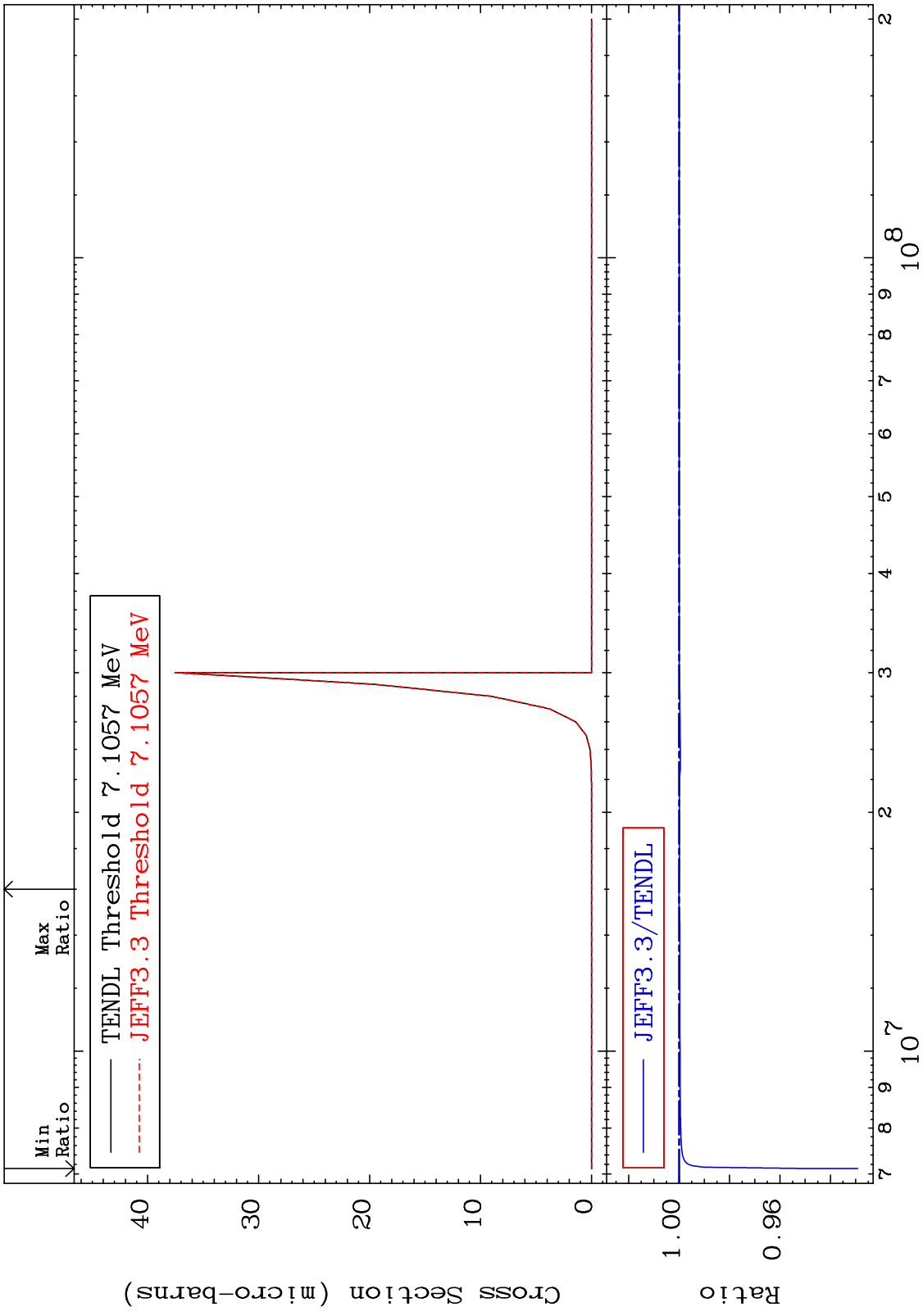
-0.847 To 0.000 %

Cross Section



MAT 7843 (n,t) Cross Section 78-Pt-196
 -45.54 To 21.87 %





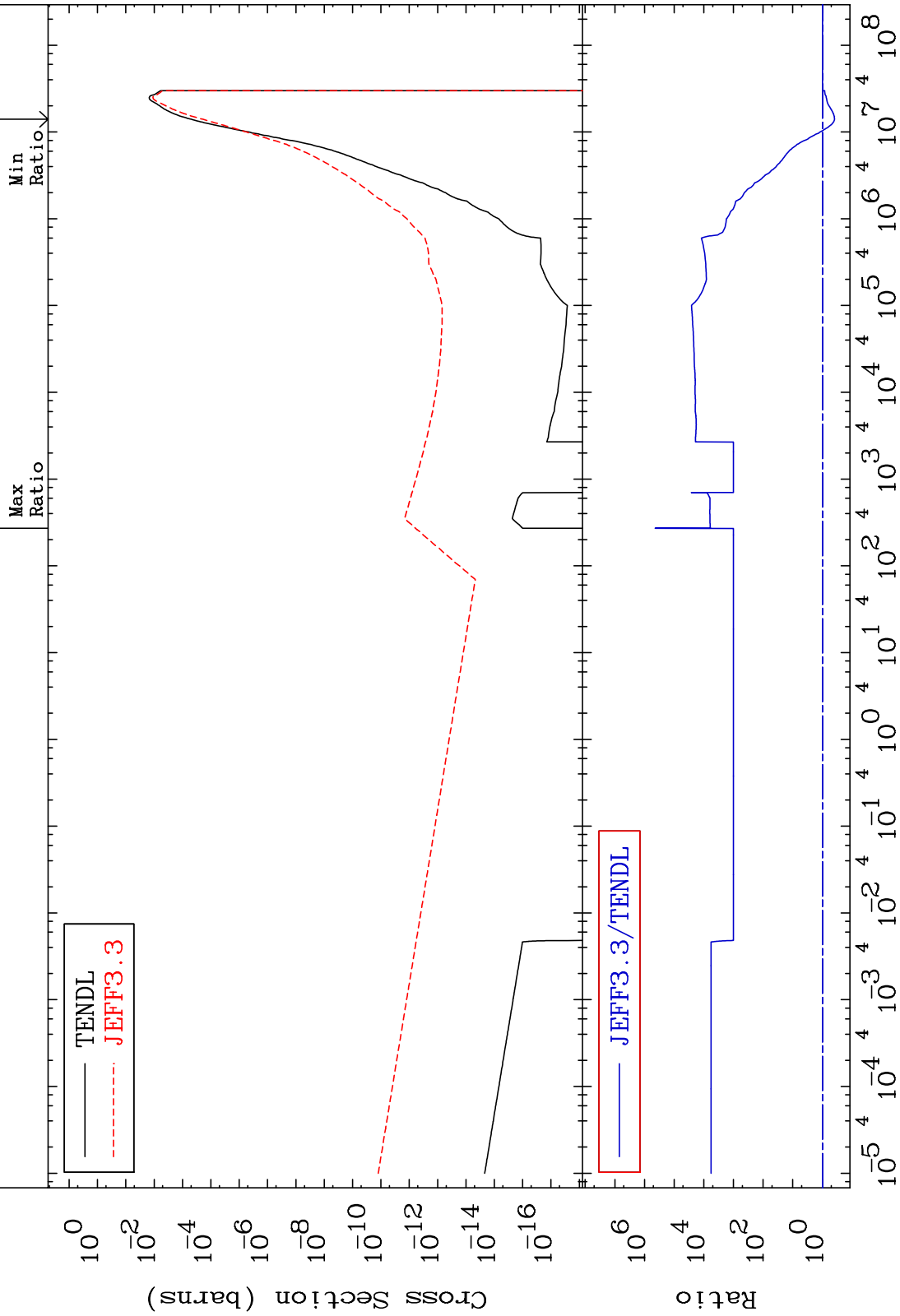
MAT 7843

(n, α)

78-Pt-196

-61.29 To 9999. %

Cross Section



MAT 7843

(n,2p)

78-Pt-196

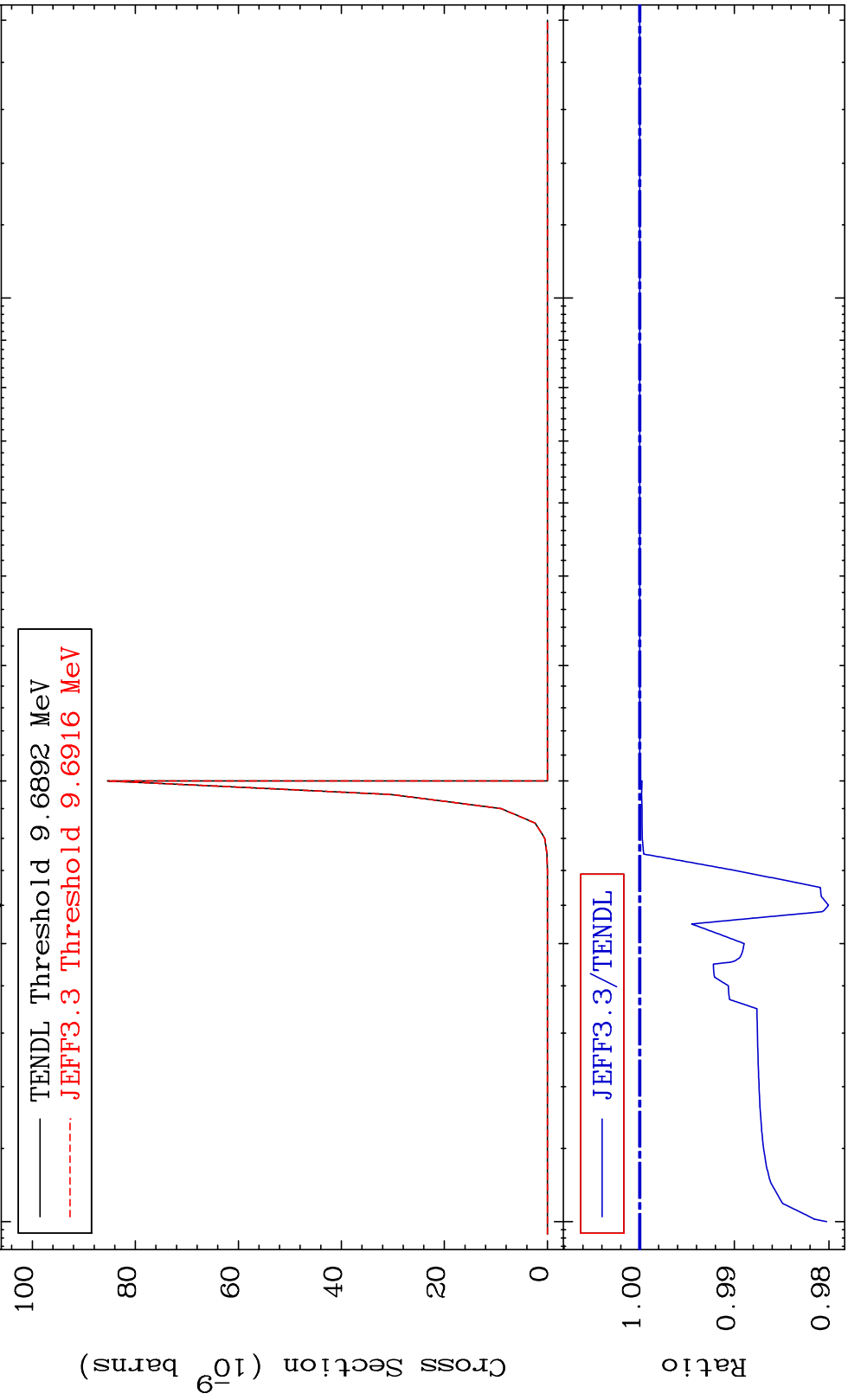
-1.996 To 0.000 %

Cross Section

Min Ratio

Max Ratio

TENDL Threshold 9.6892 MeV
JEFF3.3 Threshold 9.6916 MeV

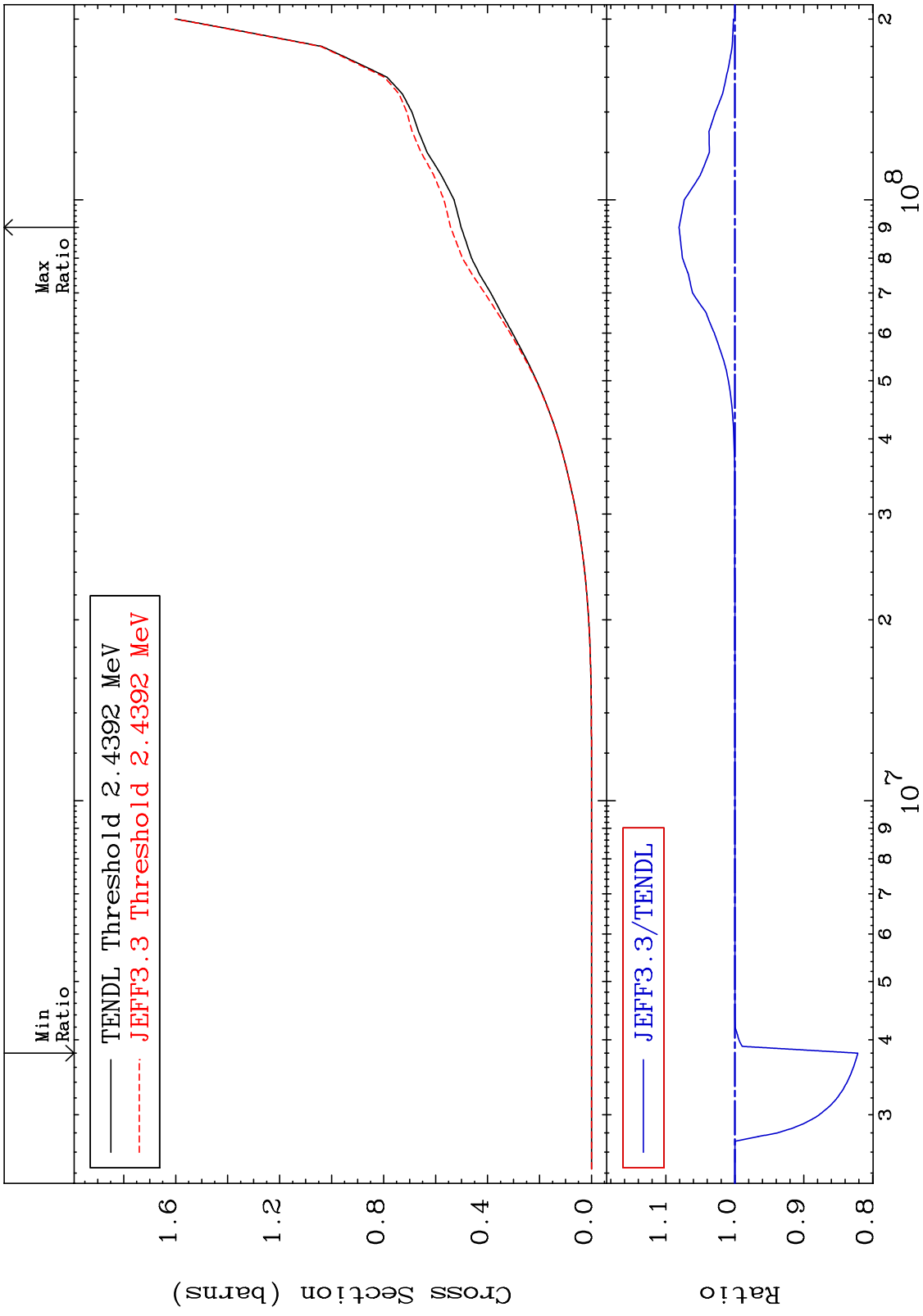


Incident Energy (eV)

78-Pt-196

55

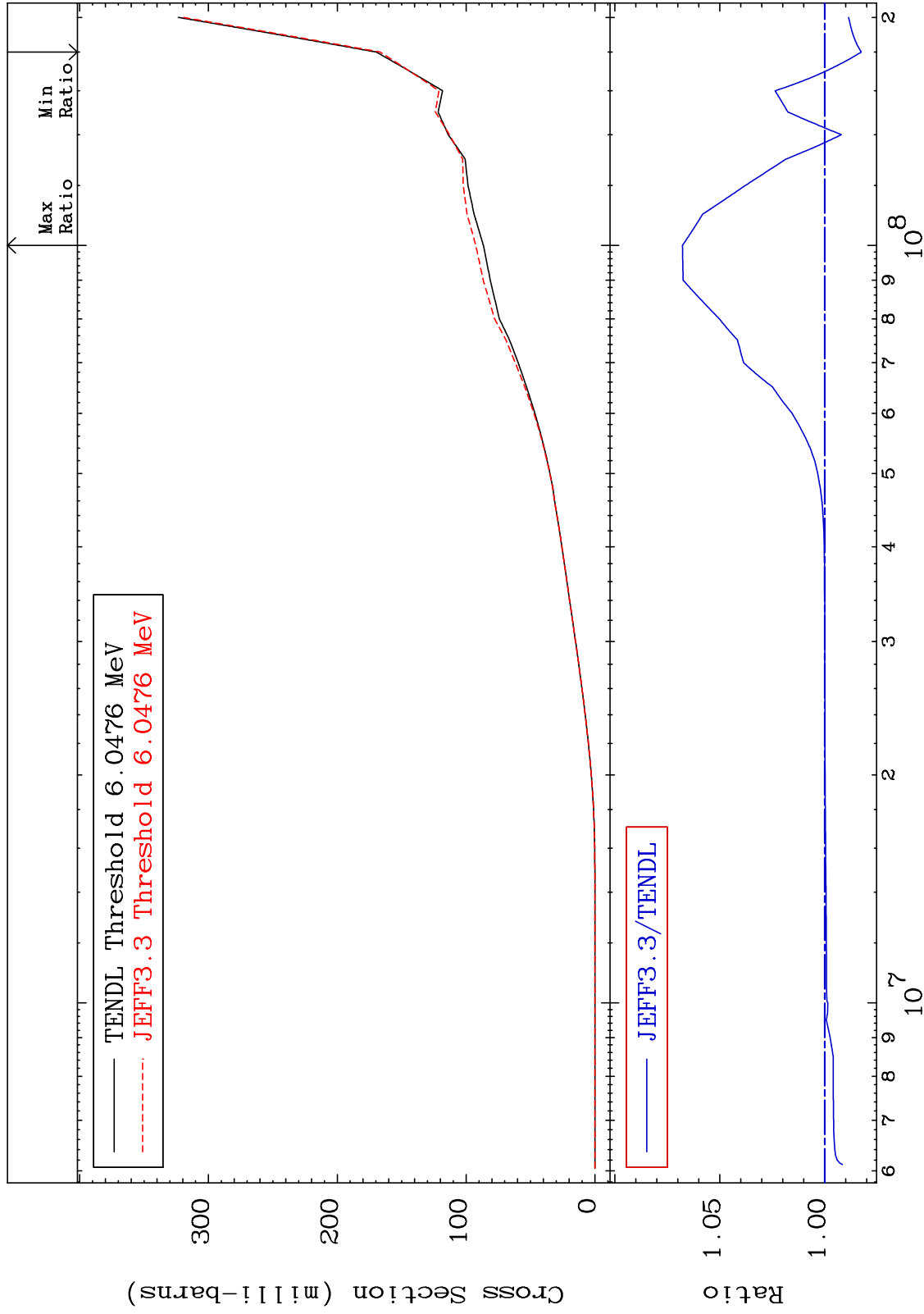
MAT 7843 Hydrogen Production Cross Section 78-Pt-196
 -17.84 To 8.097 %



MAT 7843

Deuterium Production
Cross Section

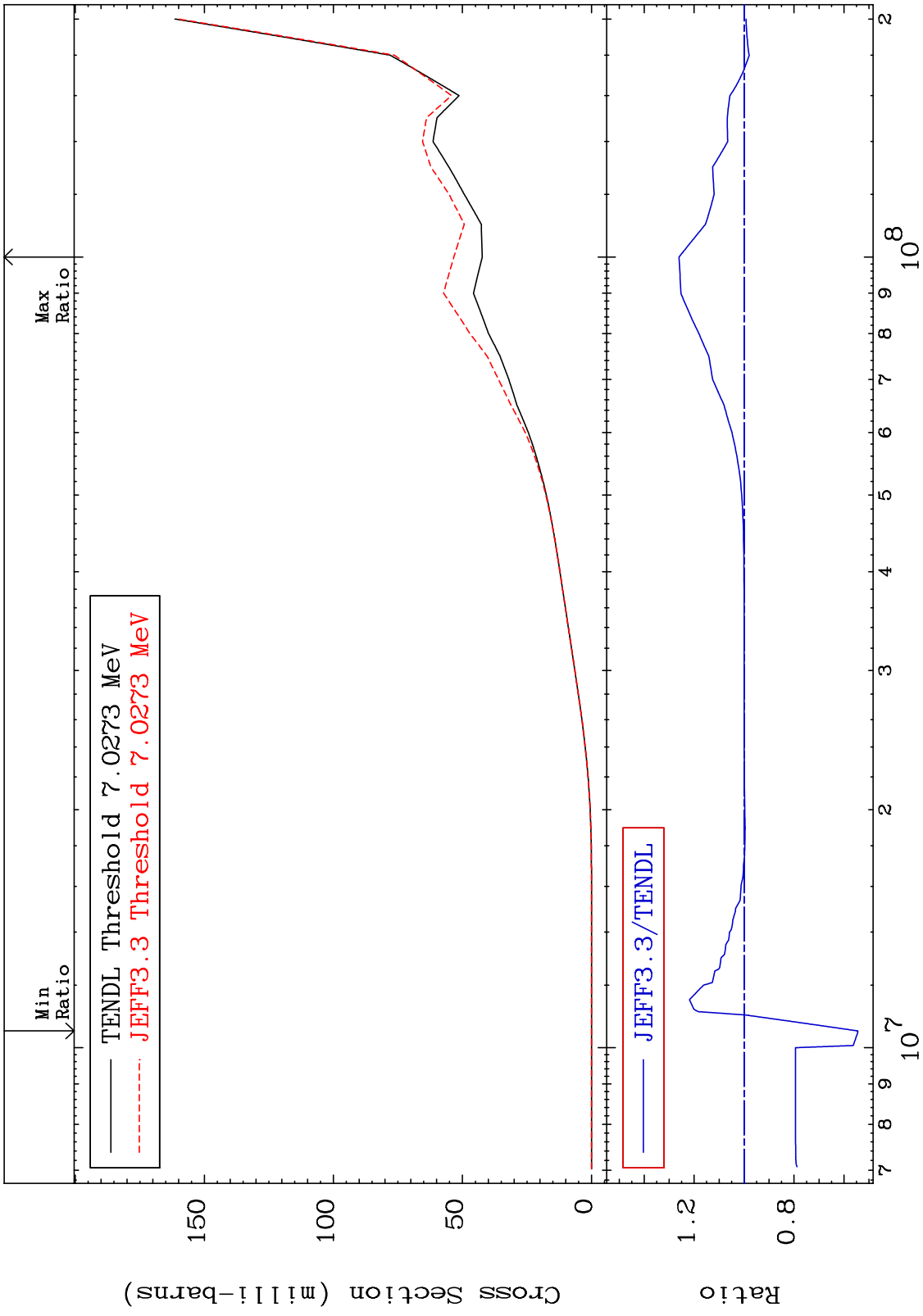
78-Pt-196
-1.742 To 6.775 %



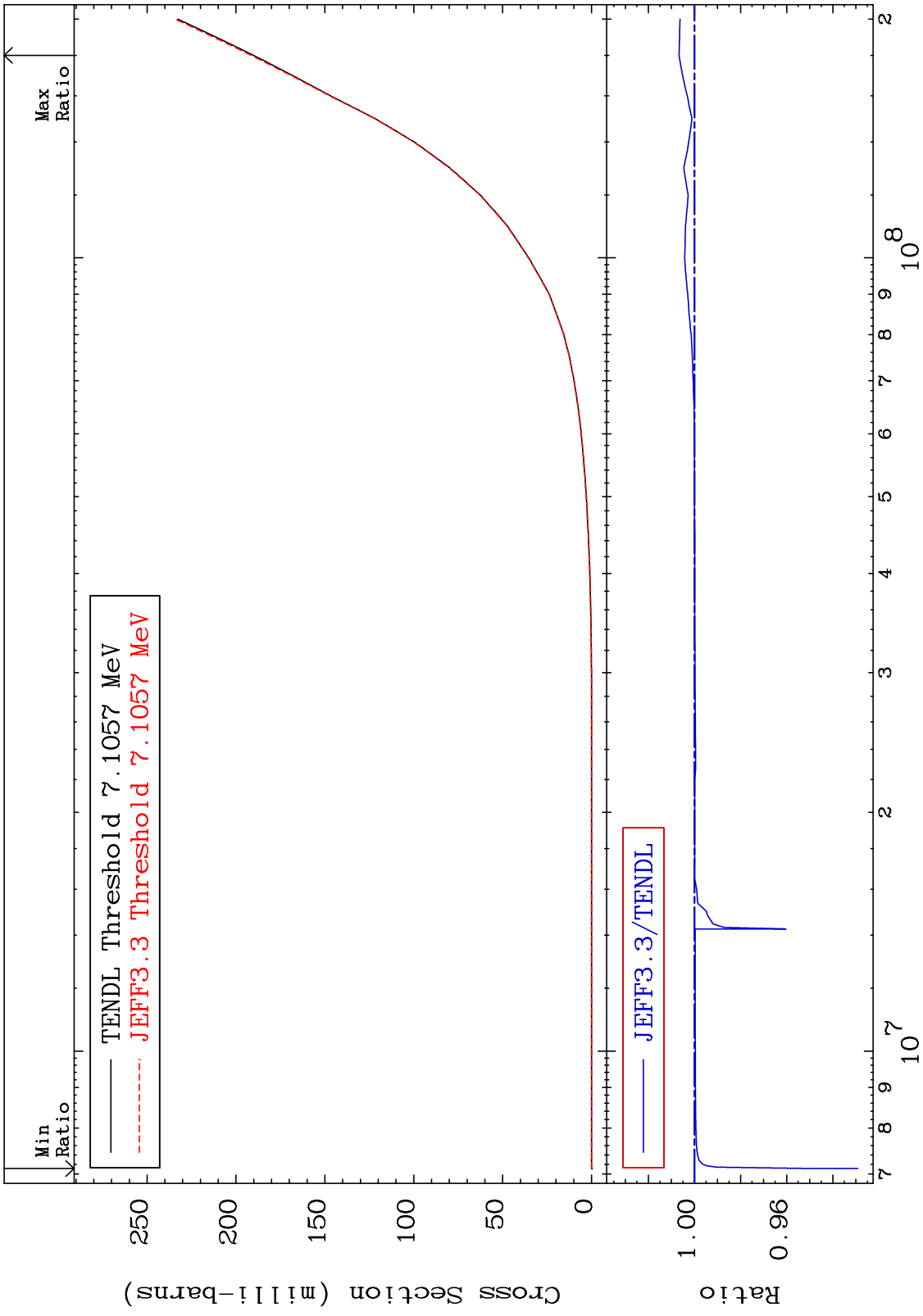
57

78-Pt-196

MAT 7843 Tritium Production Cross Section 78-Pt-196
 -45.54 To 26.04 %



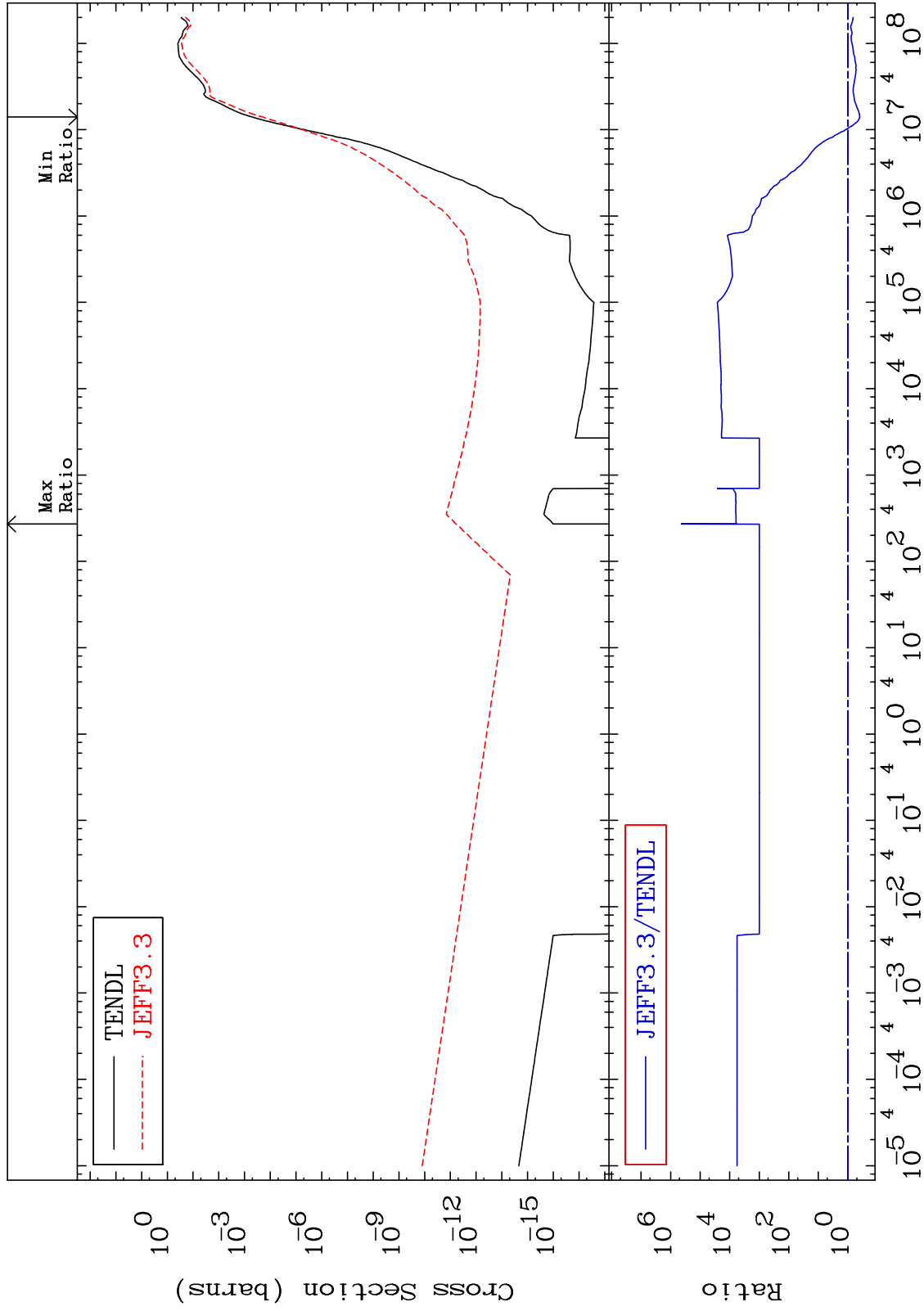
MAT 7843 He-3 Production Cross Section 78-Pt-196
 -7.088 To 0.669 %



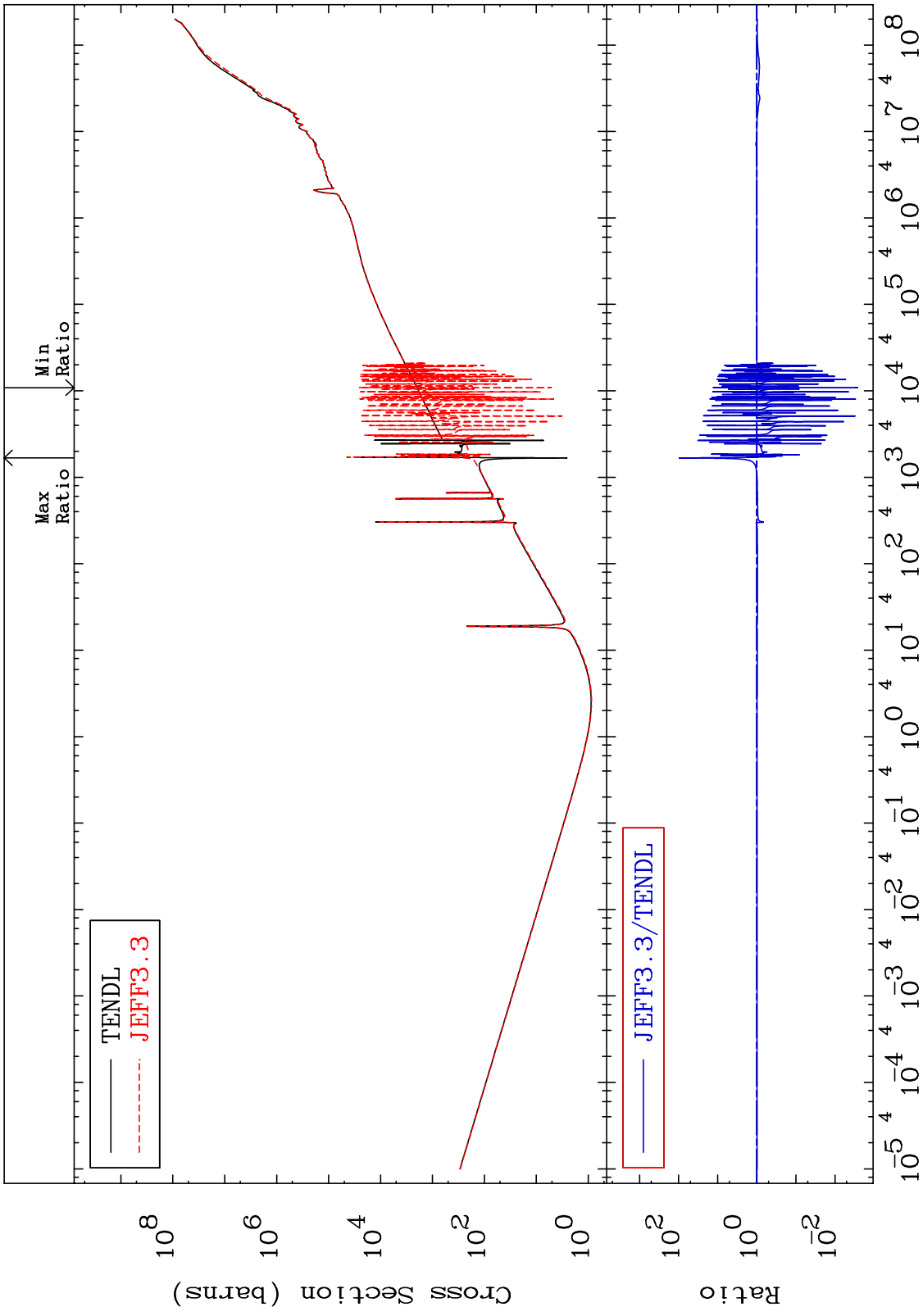
MAT 7843

He-4 Production
Cross Section

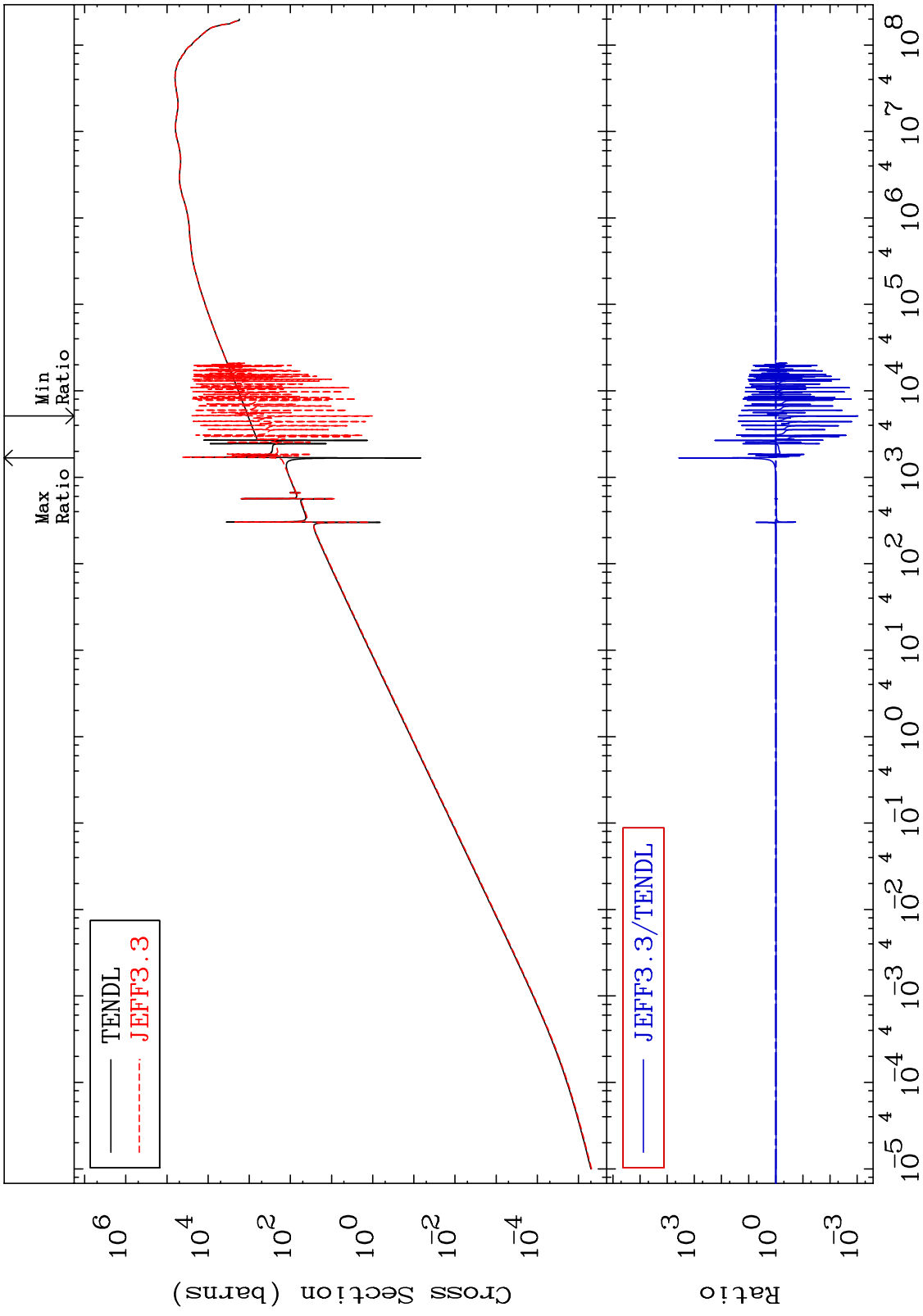
78-Pt-196
-60.37 To 9999. %



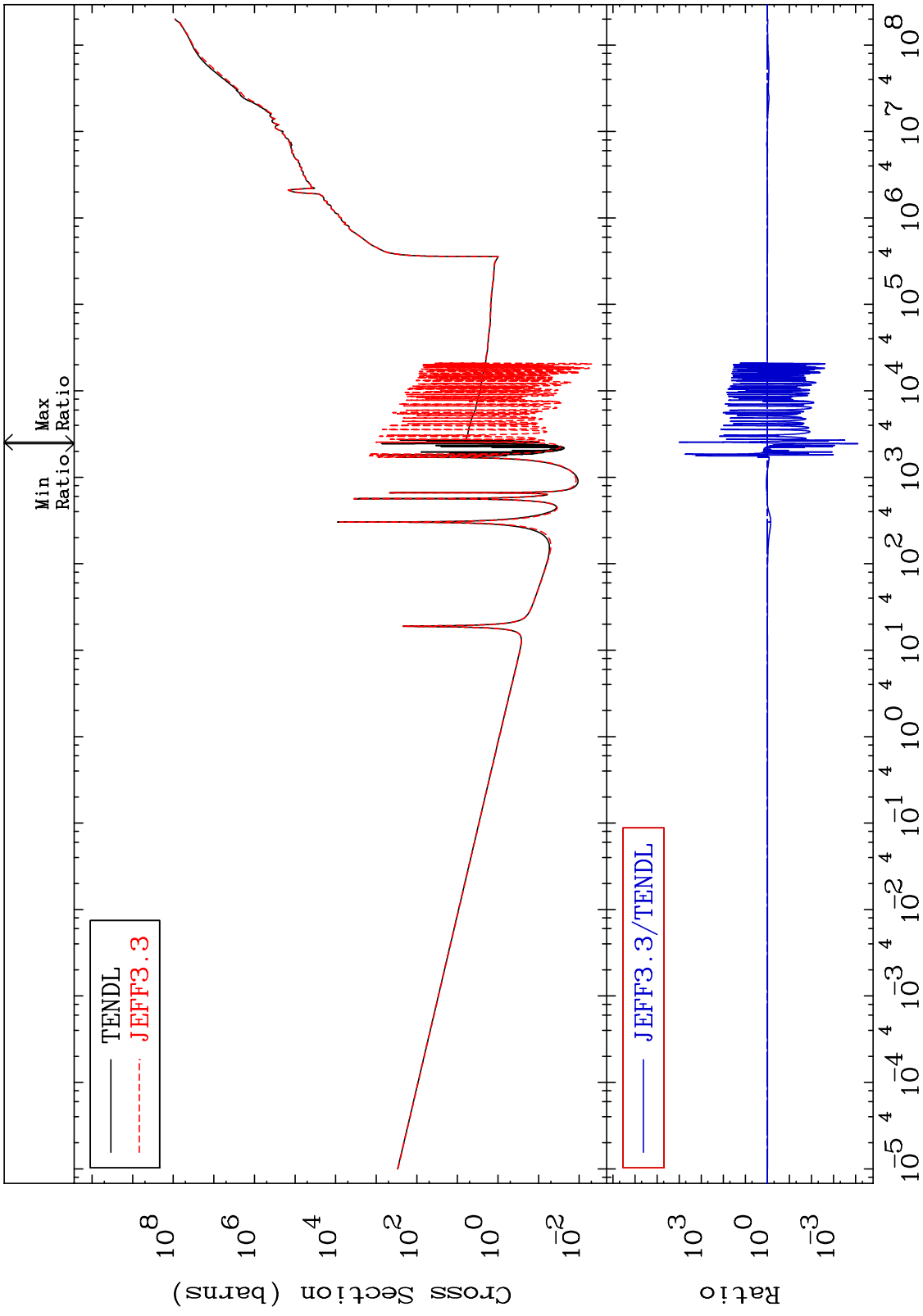
MAT 7843 Kerma total (eV-barns) 78-Pt-196
 Cross Section -99.74 To 9659. %

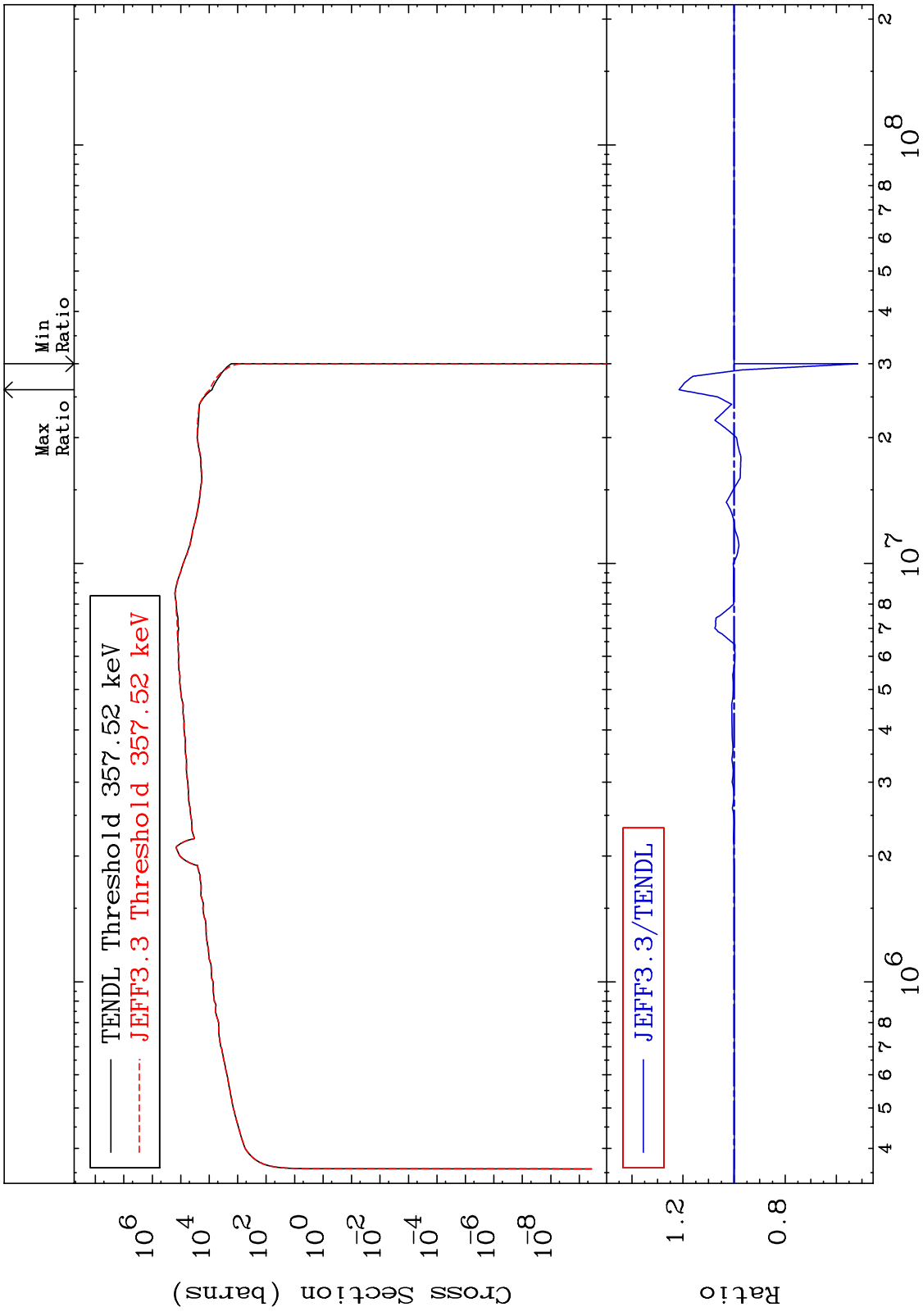


MAT 7843 Kerma elastic Cross Section 78-Pt-196
 -99.91 To 9999. %



MAT 7843 Kerma non-elastic (all but mt.2) 78-Pt-196
 Cross Section -99.99 To 9999. %

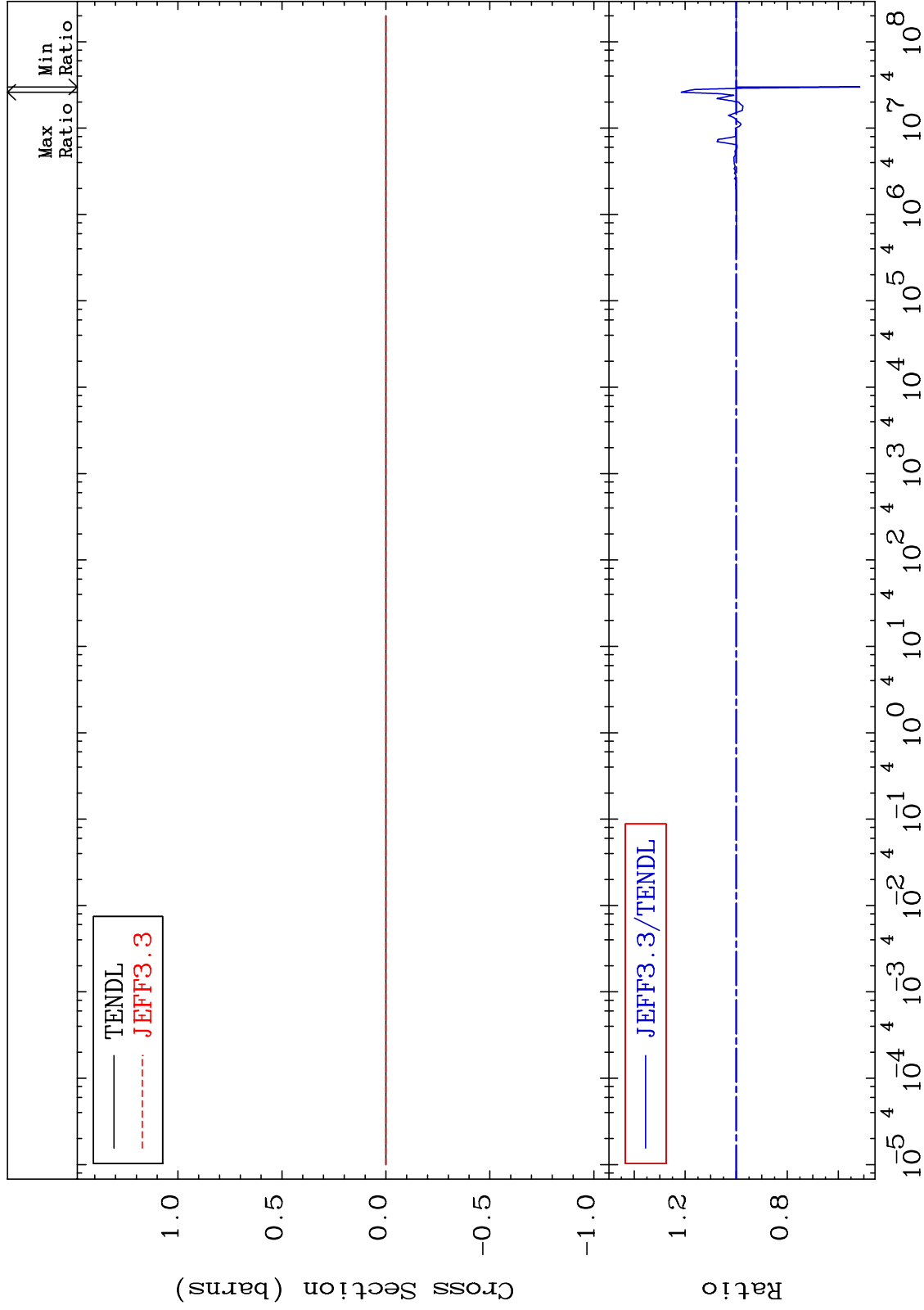




MAT 7843

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

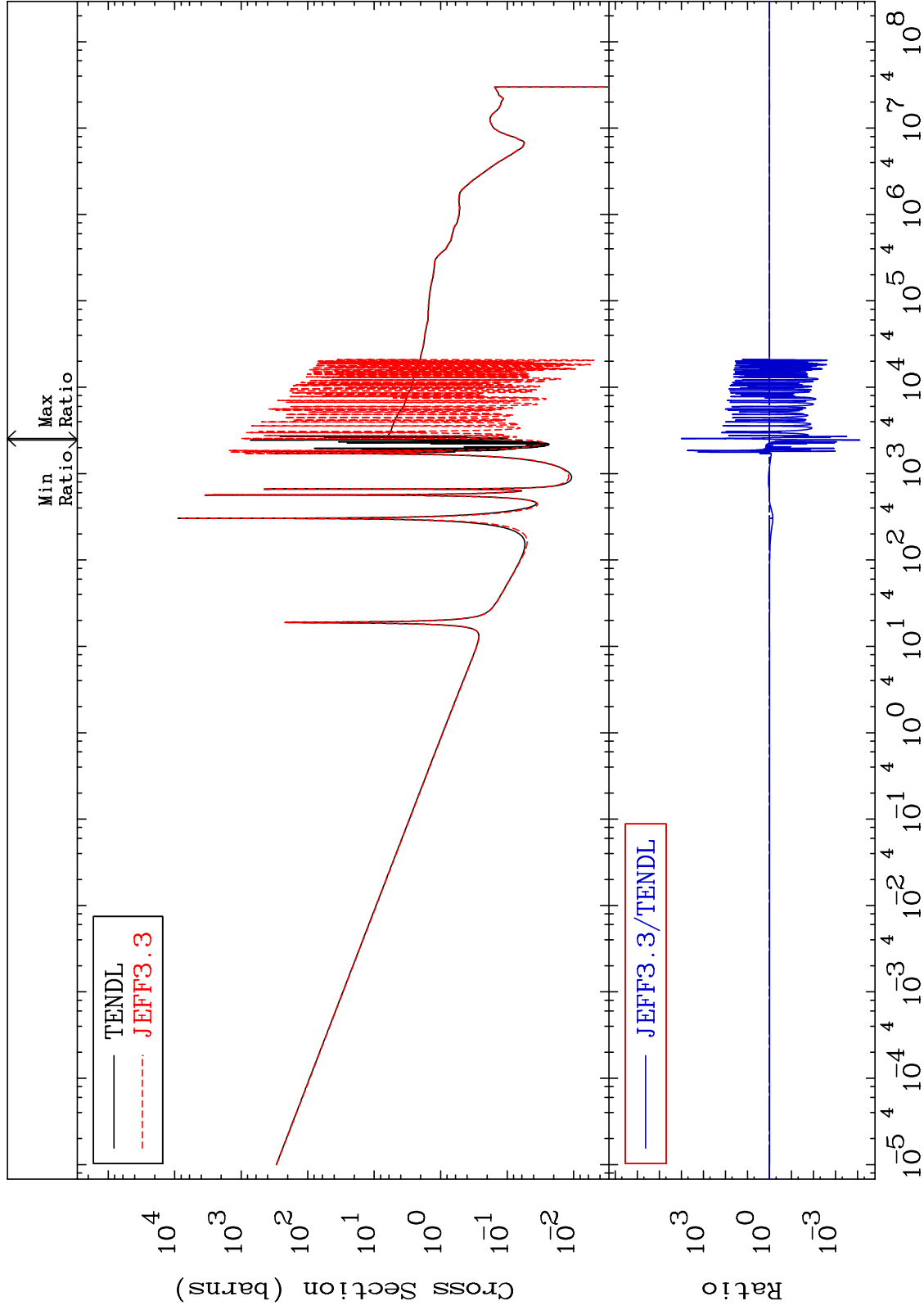
78-Pt-196
-48.42 To 21.55 %



MAT 7843

Kerma capture (mt102)
Cross Section

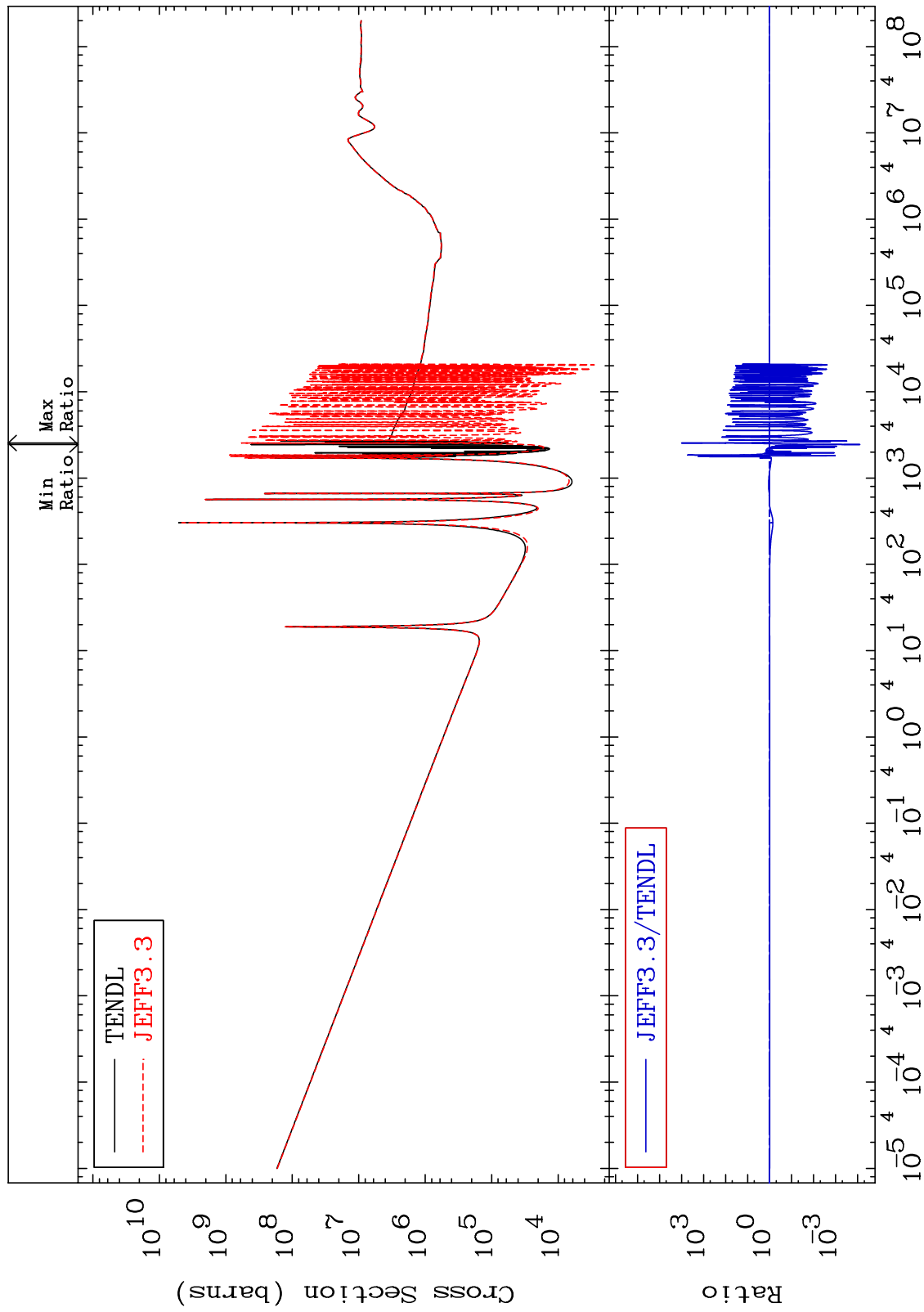
78-Pt-196
-99.99 To 9999. %



MAT 7843

Total photon (eV-barns)
Cross Section

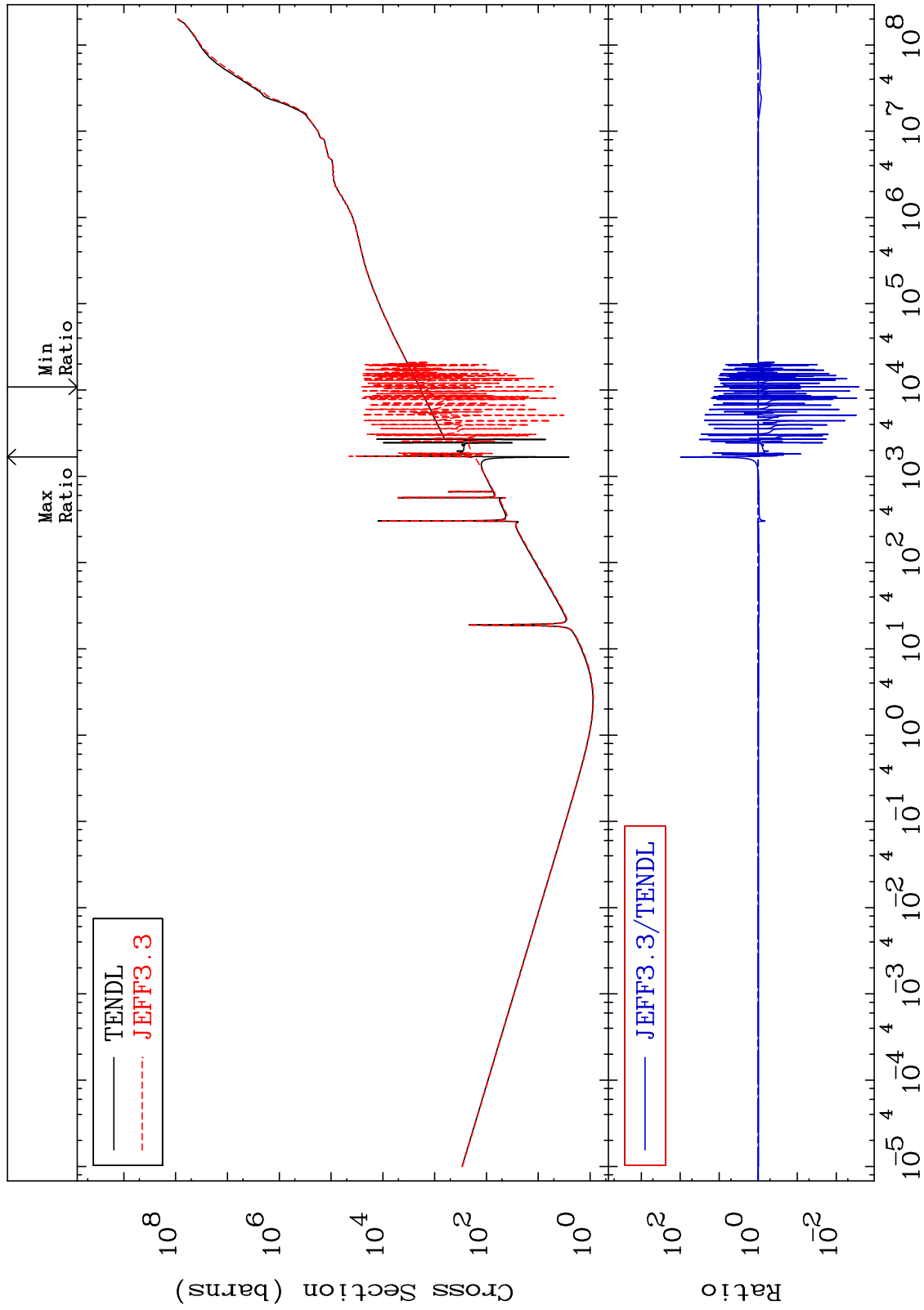
78-Pt-196
-99.99 To 9999. %



MAT 7843

Total kinematic kerma (high limit)
Cross Section

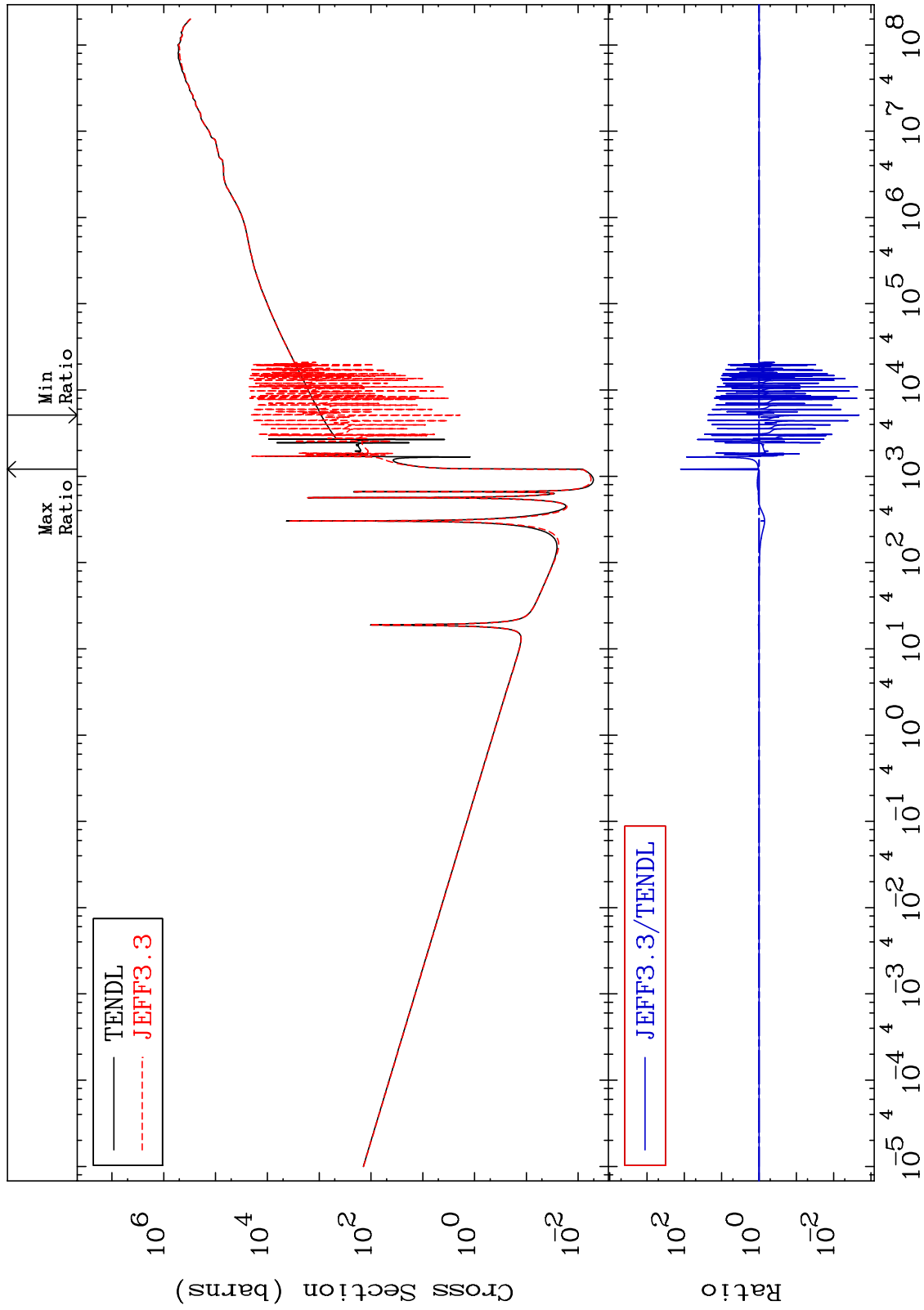
78-Pt-196
-99.74 To 9659. %



MAT 7843

Dpa total (eV-barns)
Cross Section

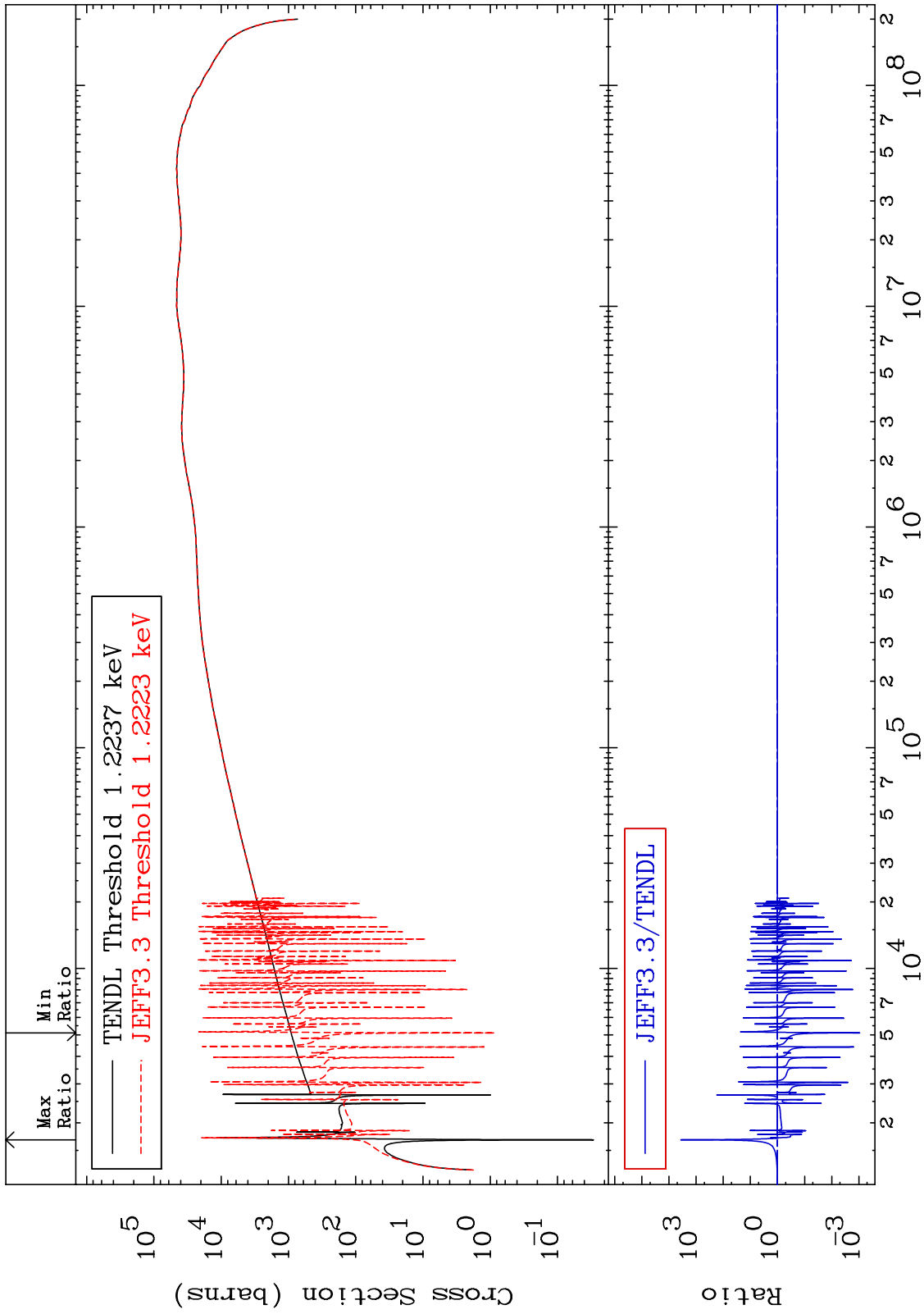
78-Pt-196
-99.79 To 9999. %



MAT 7843

Dpa elastic (mt2)
Cross Section

78-Pt-196
-99.91 To 9999. %

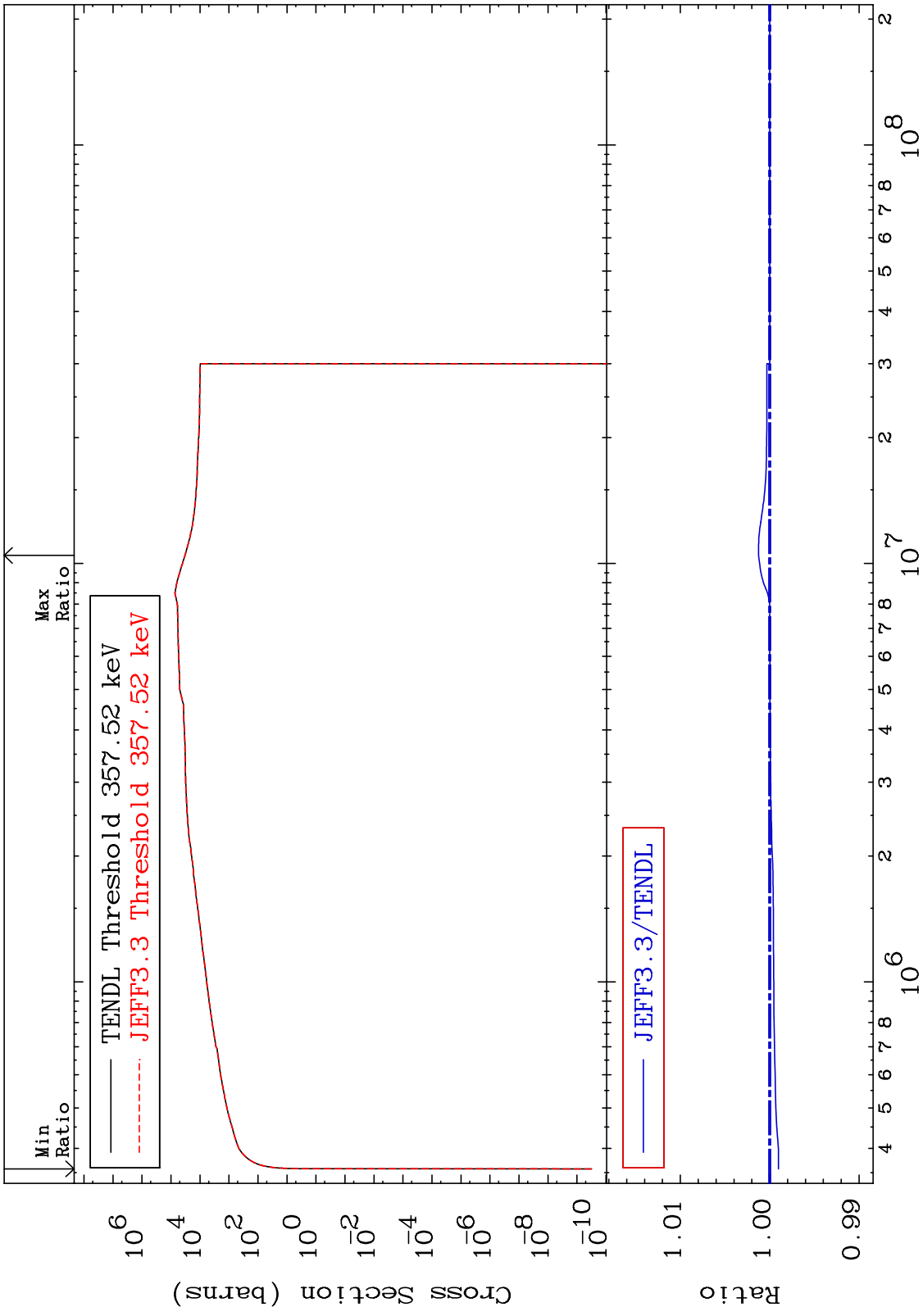


70

Incident Energy (eV)

78-Pt-196

MAT 7843 Dpa inelastic (mt51-91) 78-Pt-196
 Cross Section -0.096 To 0.125 %

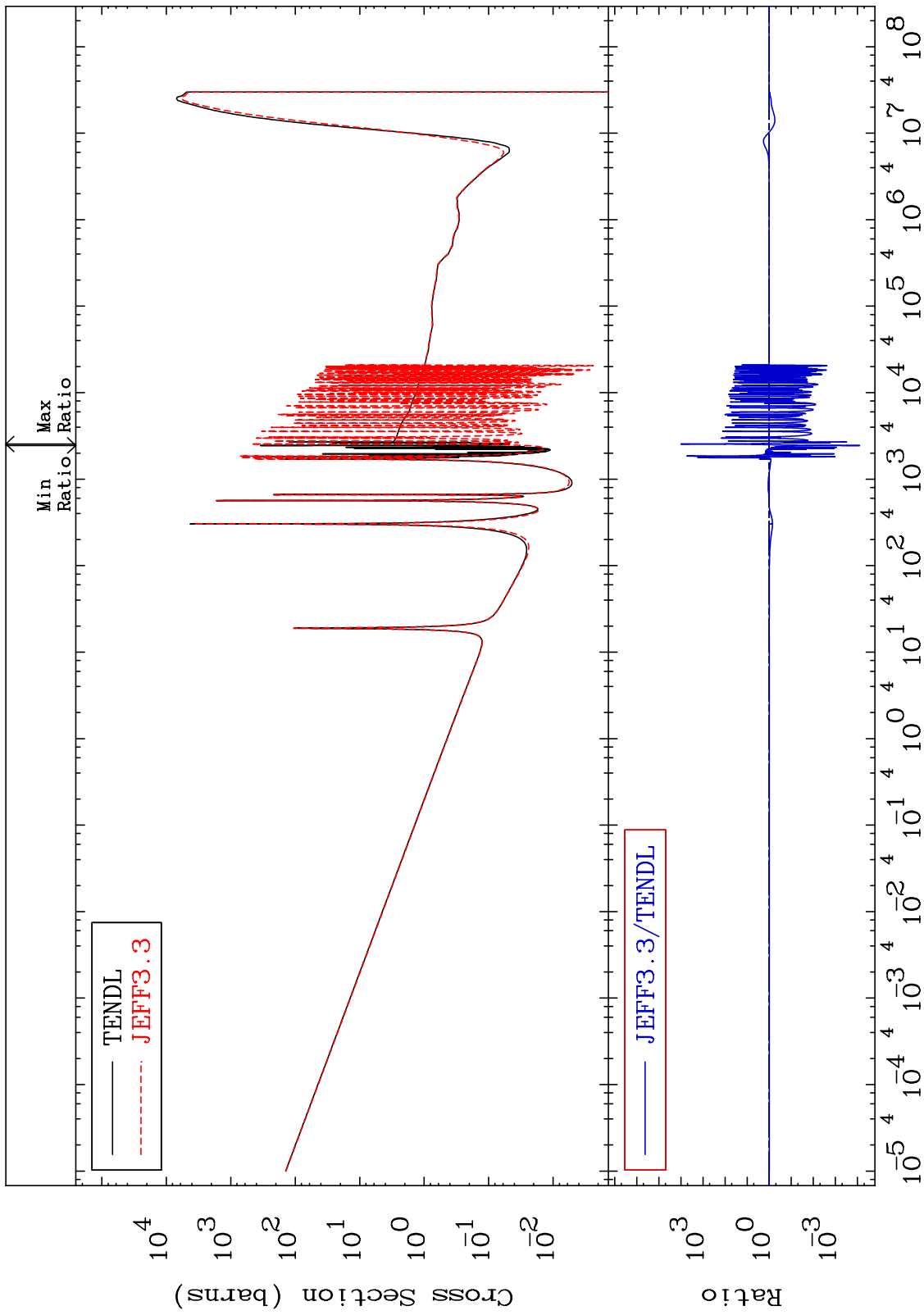


71 Incident Energy (eV) 78-Pt-196

MAT 7843

Dpa disappearance (mt102 -120)
Cross Section

78-Pt-196
-99.99 To 9999. %



72

Incident Energy (eV)

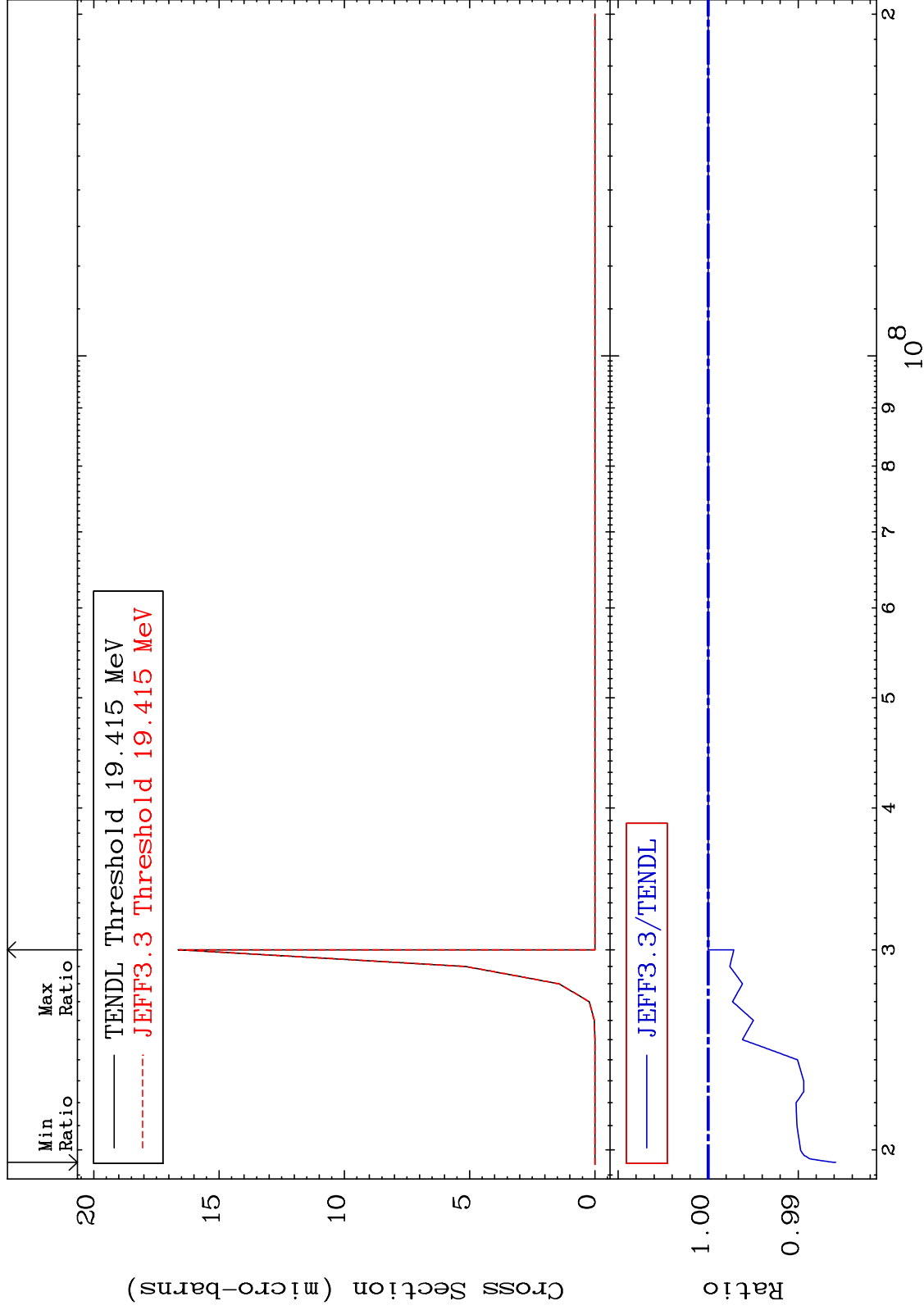
78-Pt-196

MAT 7843

(n,2n) d:77-Ir-193g

78-Pt-196

Radionuclide Production Cross Section -1.416 To 0.000 %



73

Incident Energy (eV)

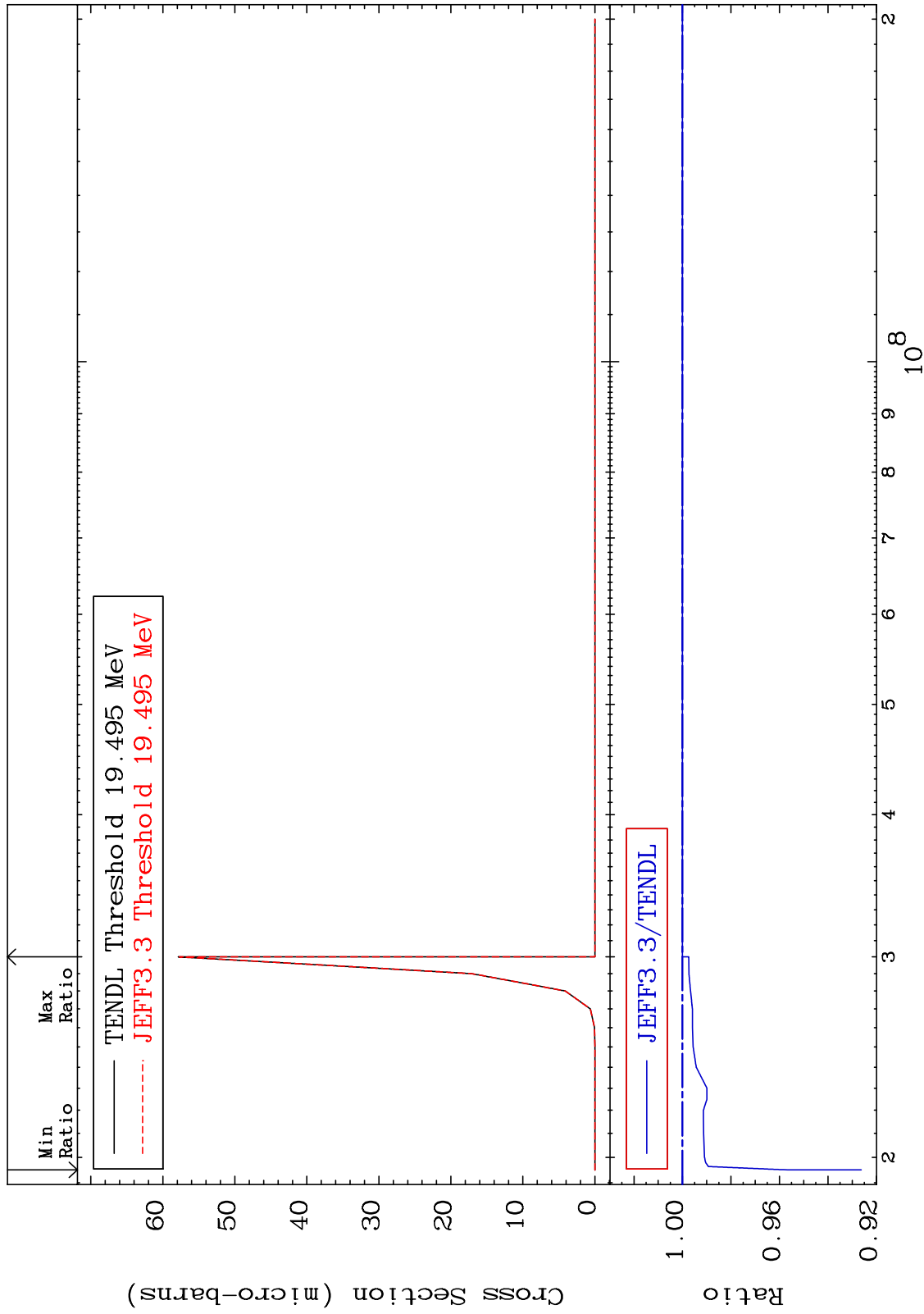
78-Pt-196

MAT 7843

(n,2n) d:77-Ir-193m2

78-Pt-196

Radionuclide Production Cross Section -7.375 To 0.000 %



74

Incident Energy (eV)

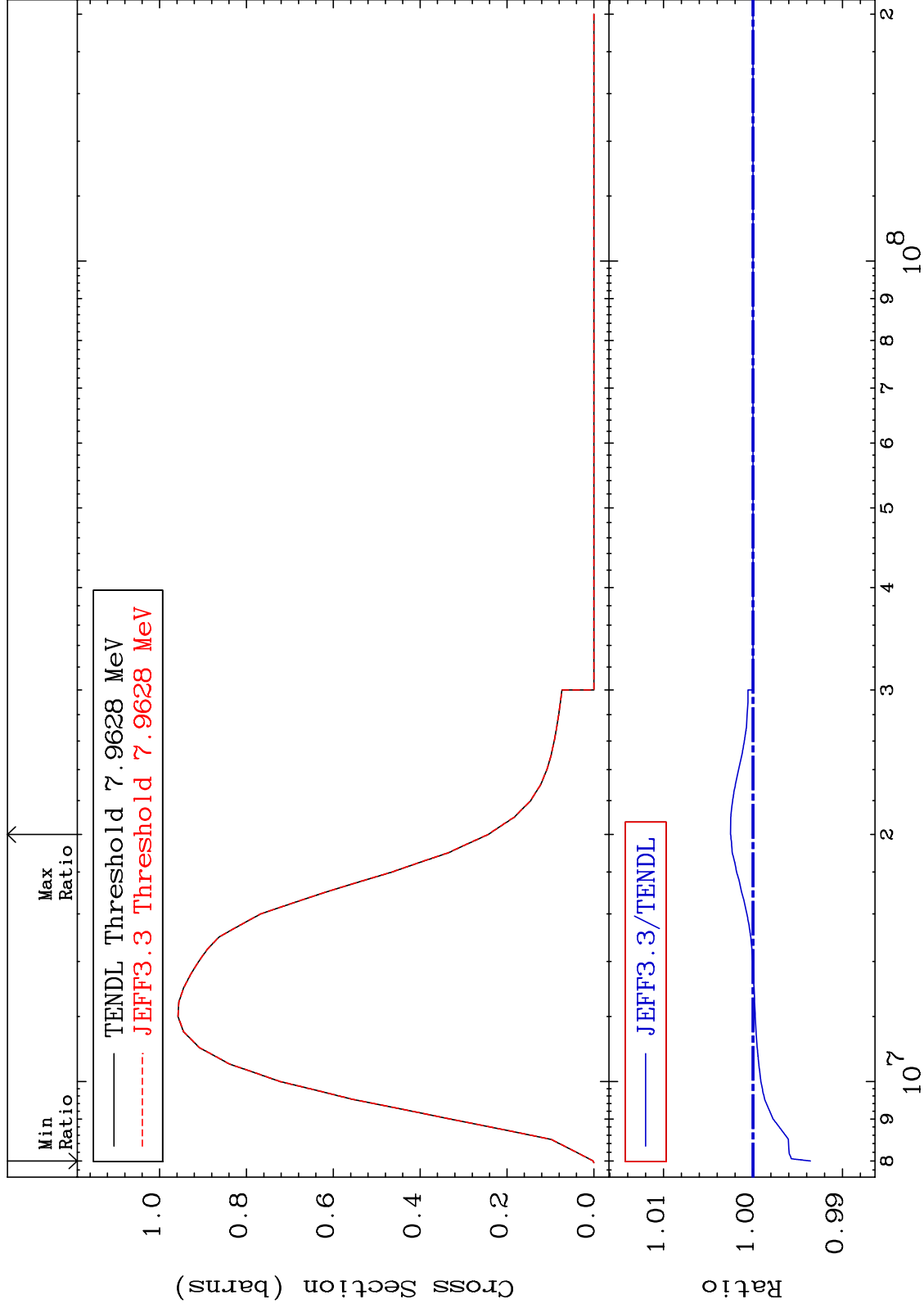
78-Pt-196

MAT 7843

(n,2n):78-Pt-195g

78-Pt-196

Radionuclide Production Cross Section -0.642 To 0.251 %



75

Incident Energy (eV)

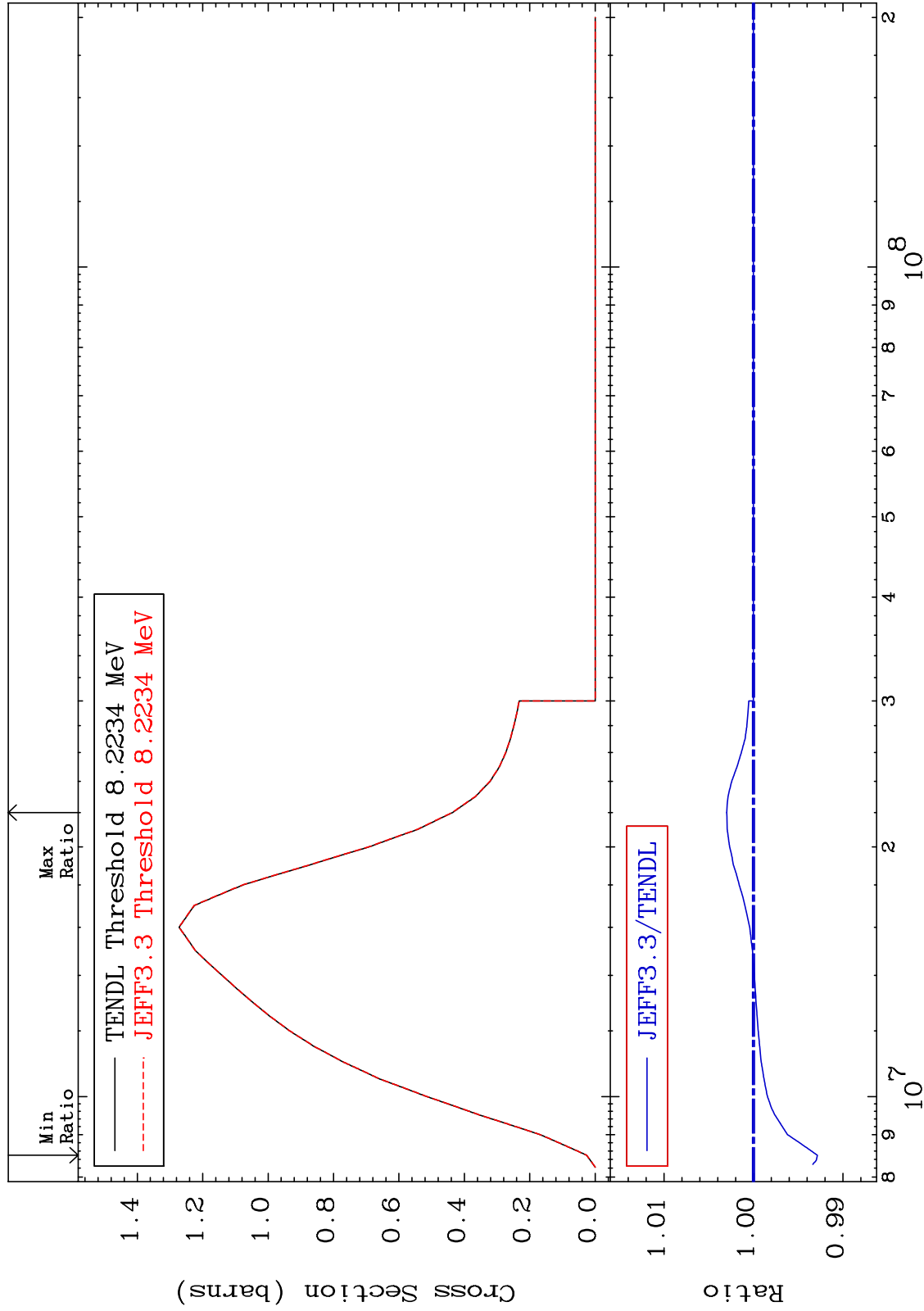
78-Pt-196

MAT 7843

(n,2n):78-Pt-195m7

78-Pt-196

Radionuclide Production Cross Section -0.713 To 0.299 %



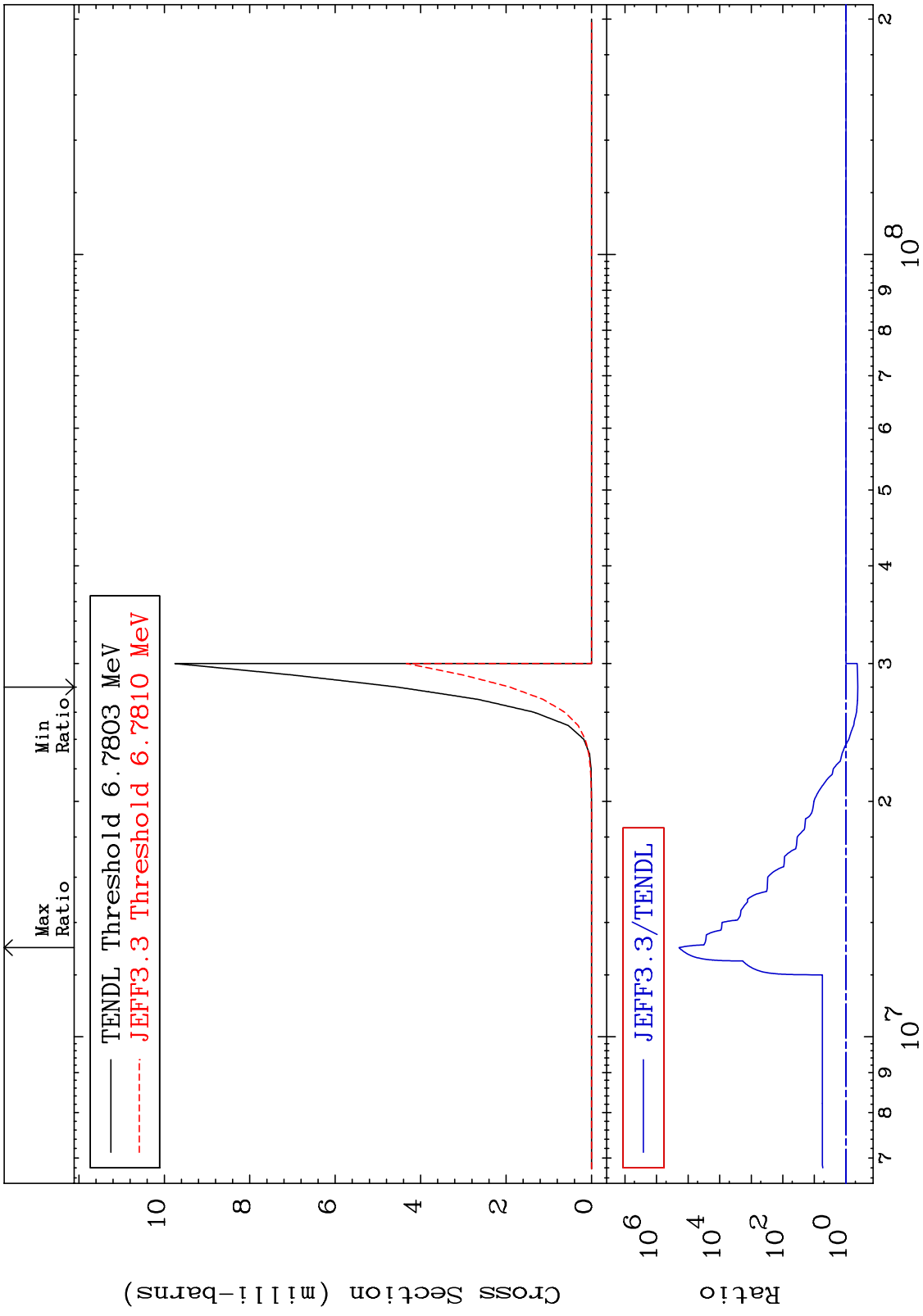
76

Incident Energy (eV)

78-Pt-196

MAT 7843

(n,2n) α : 76-Os-191g 78-Pt-196
Radionuclide Production Cross Section -57.88 To 9999. %



77

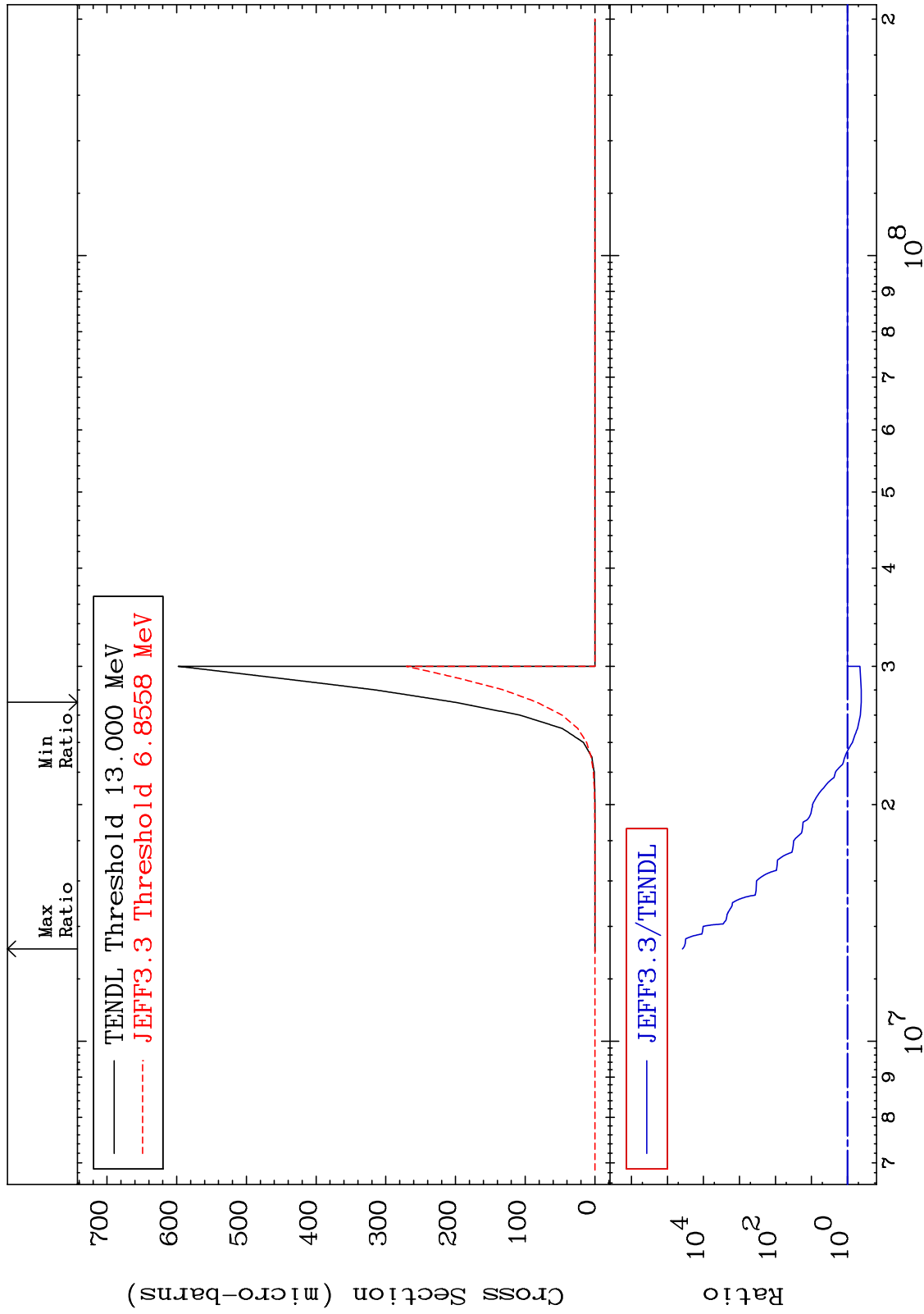
78-Pt-196

MAT 7843

(n,2n) α :76-0s-191m1

78-Pt-196

Radionuclide Production Cross Section -58.65 To 9999. %

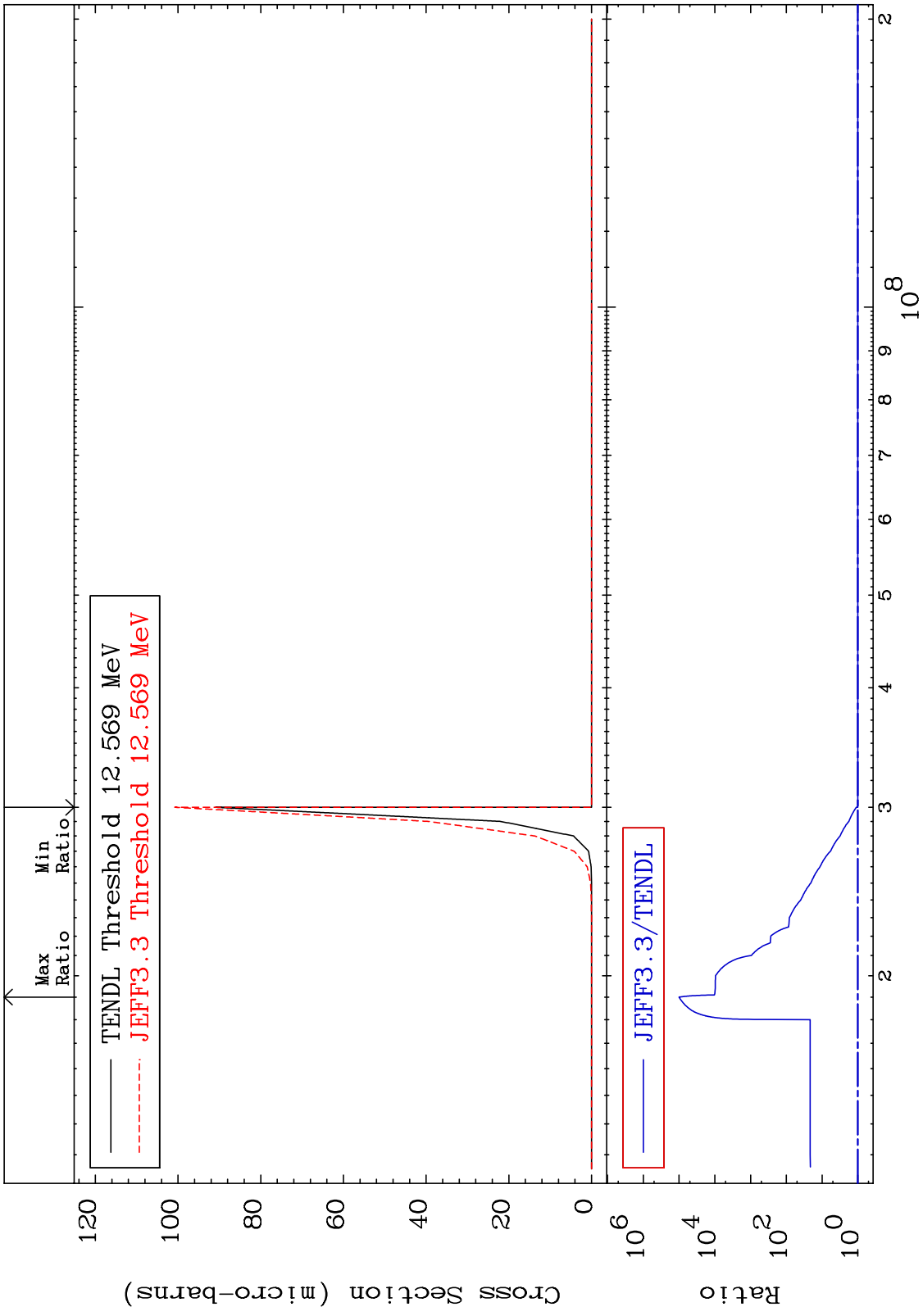


78

Incident Energy (eV)

78-Pt-196

MAT 7843 (n,3n) α : 76-Os-190g 78-Pt-196
 Radionuclide Production Cross Section 0.000 To 9999. %

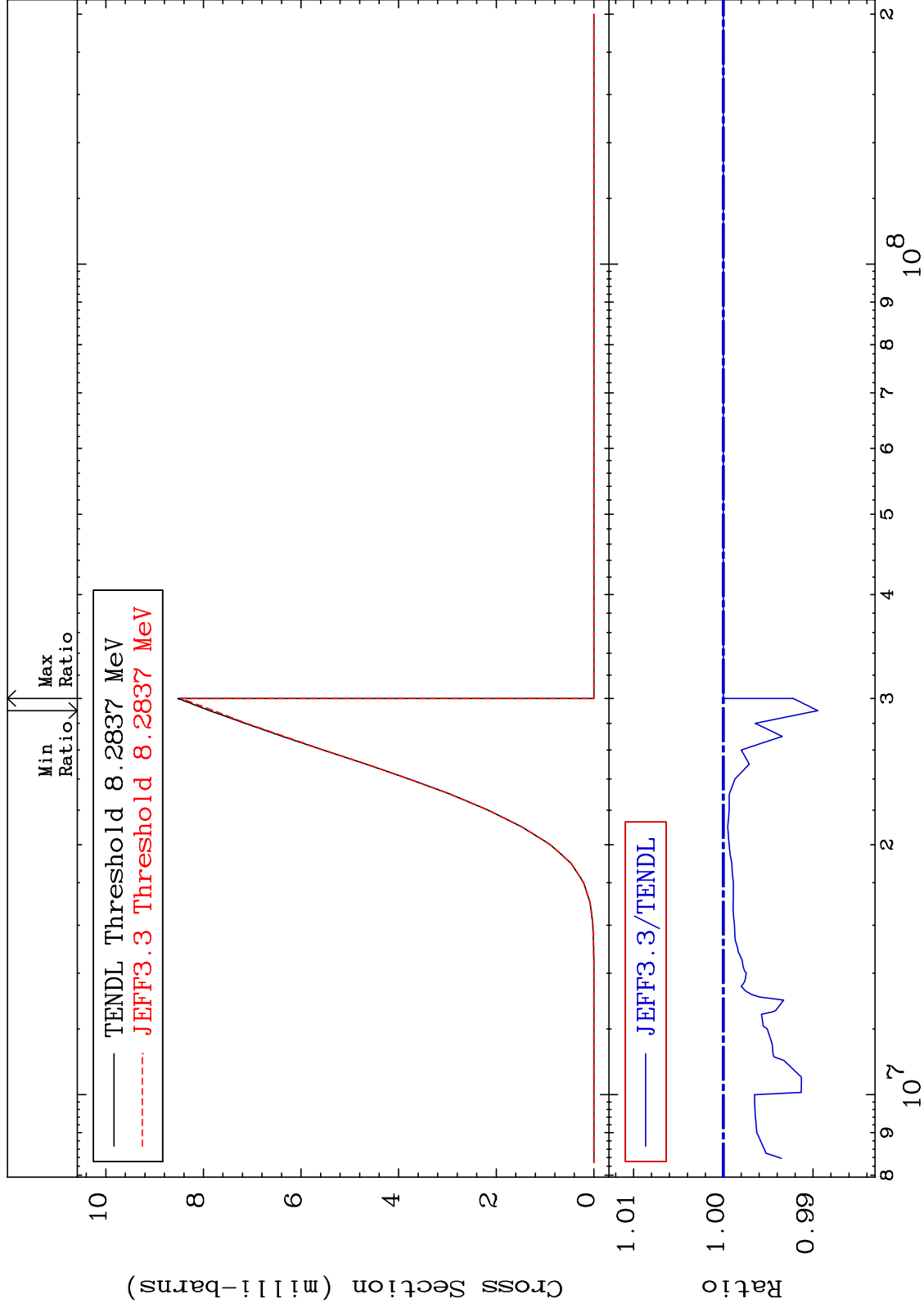


MAT 7843

(n, n') p: 77-Ir-195g

78-Pt-196

Radionuclide Production Cross Section -1.052 To 0.000 %

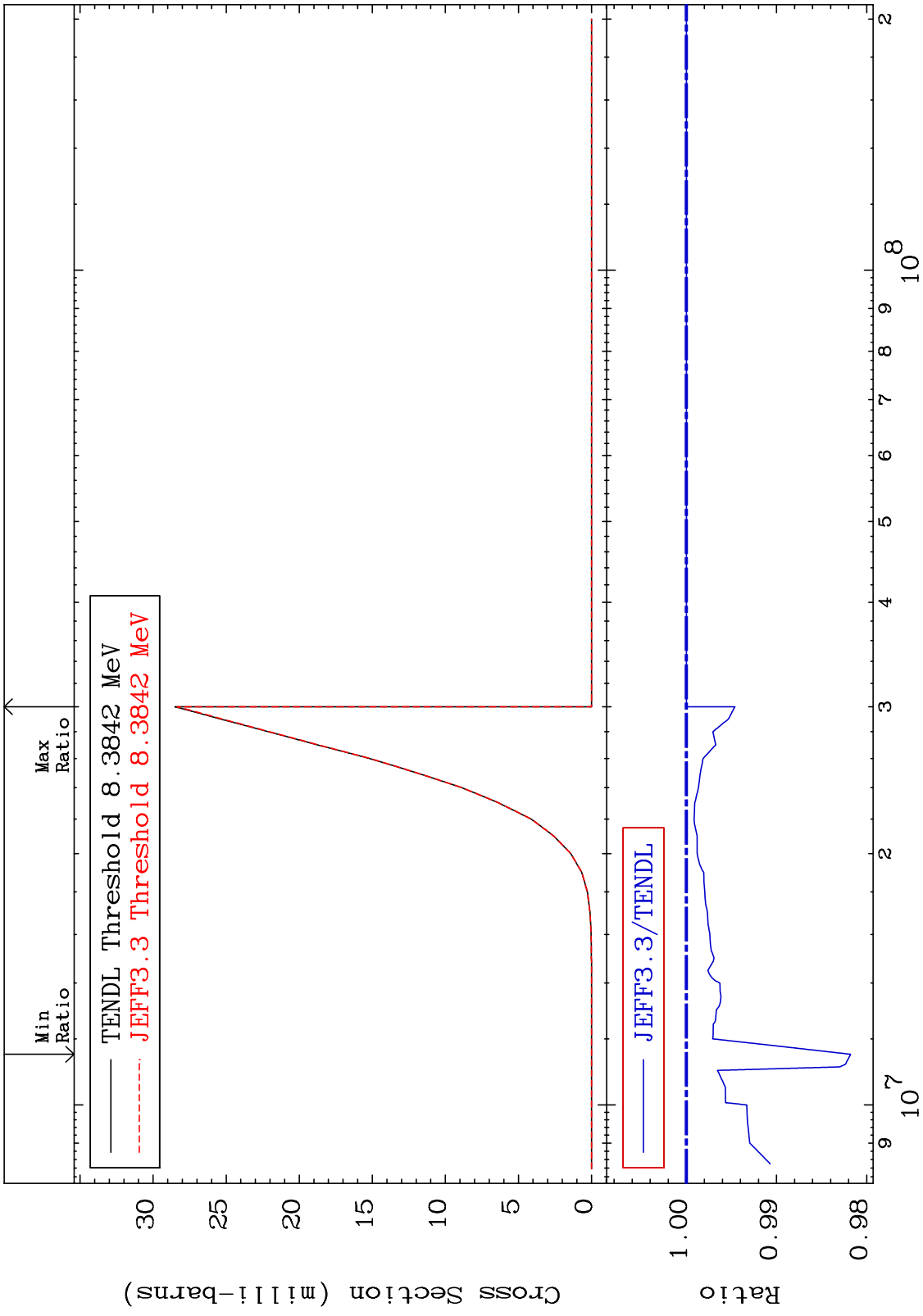


80

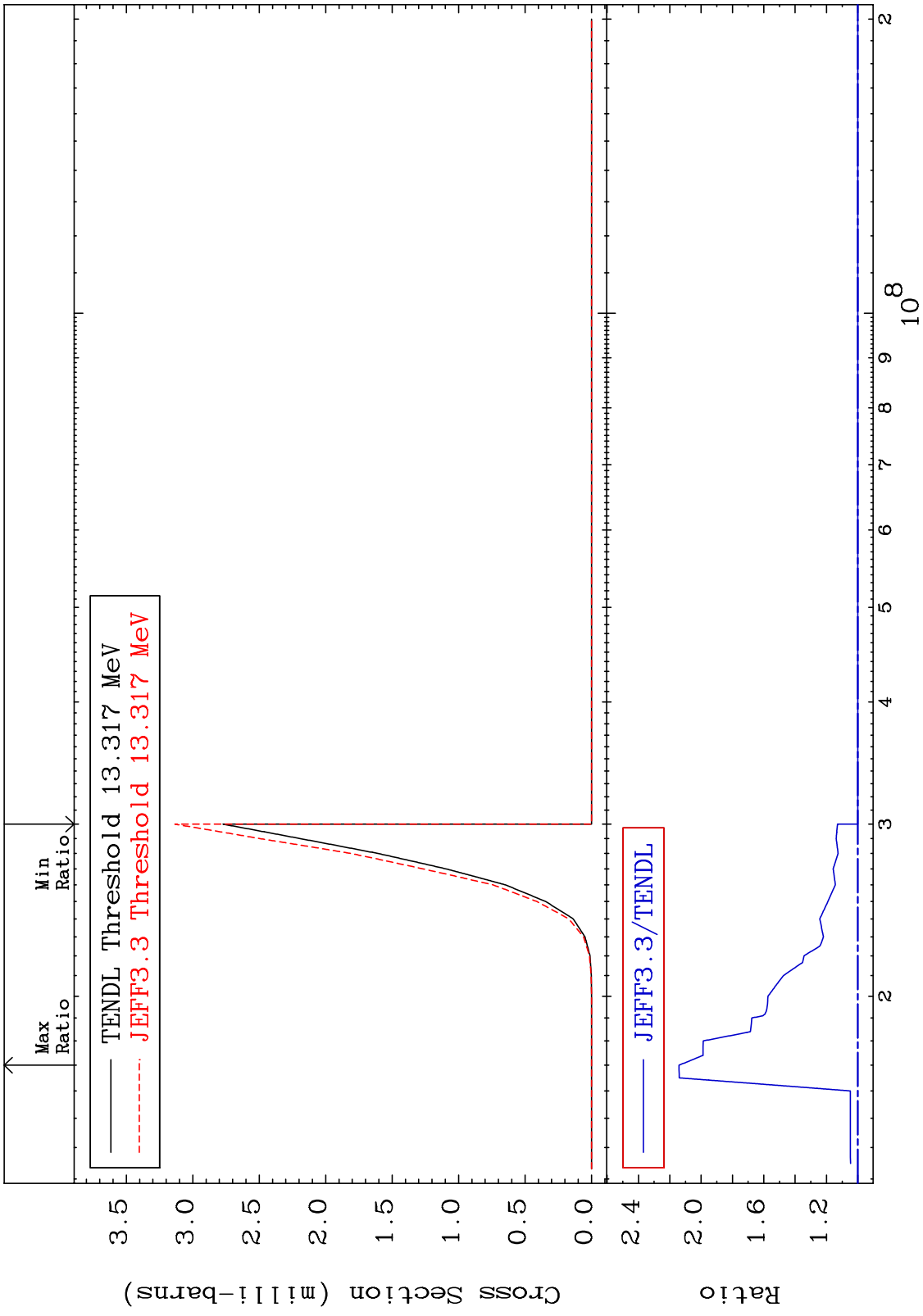
Incident Energy (eV)

78-Pt-196

MAT 7843 (n, n') p:77-Ir-195m2 78-Pt-196
 Radionuclide Production Cross Section -1.821 To 0.000 %

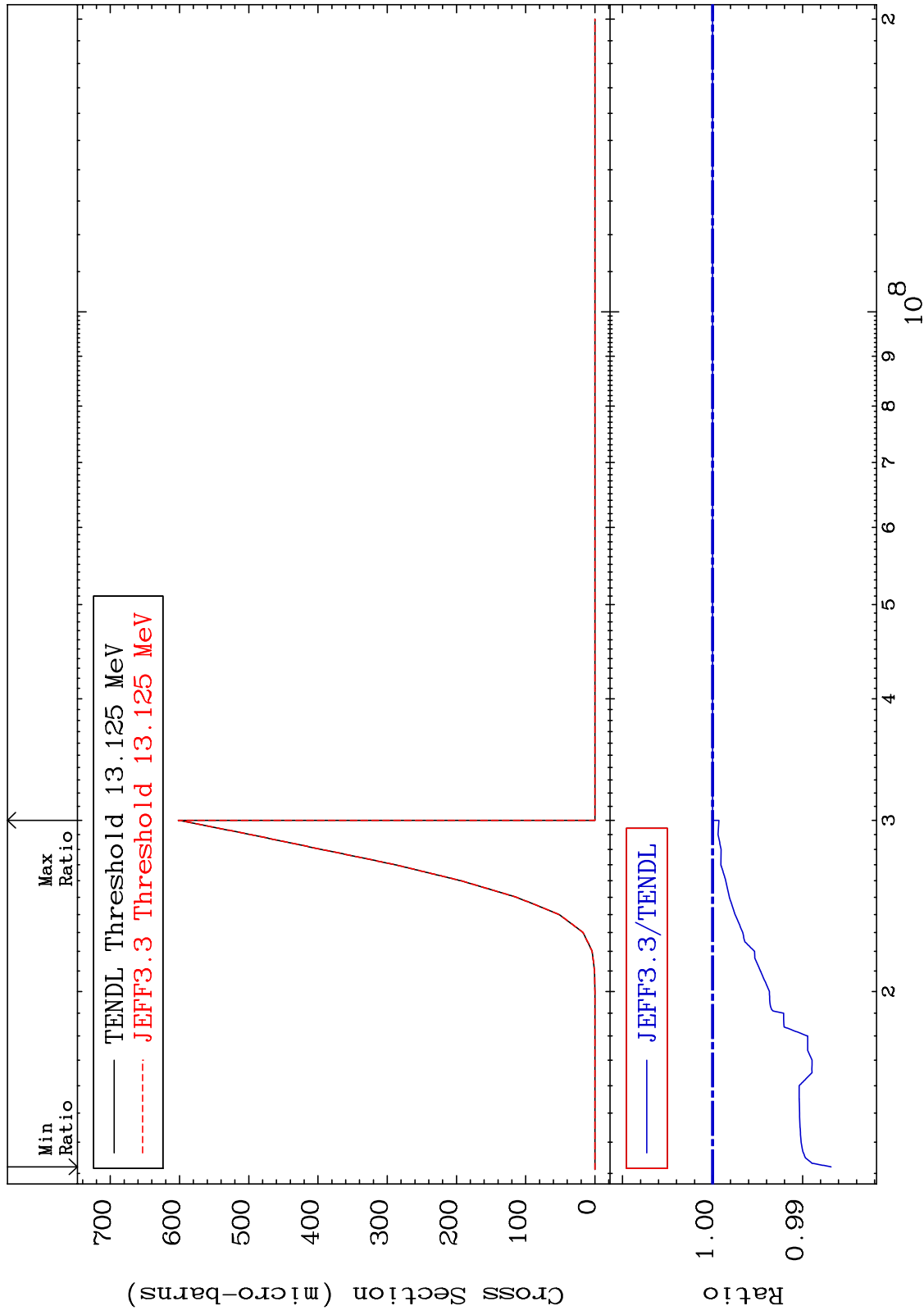


MAT 7843 (n, n') d: 77-Ir-194g 78-Pt-196
 Radionuclide Production Cross Section 0.000 To 114.1 %



MAT 7843

(n, n') t: 77-Ir-193g 78-Pt-196
Radionuclide Production Cross Section -1.317 To 0.000 %

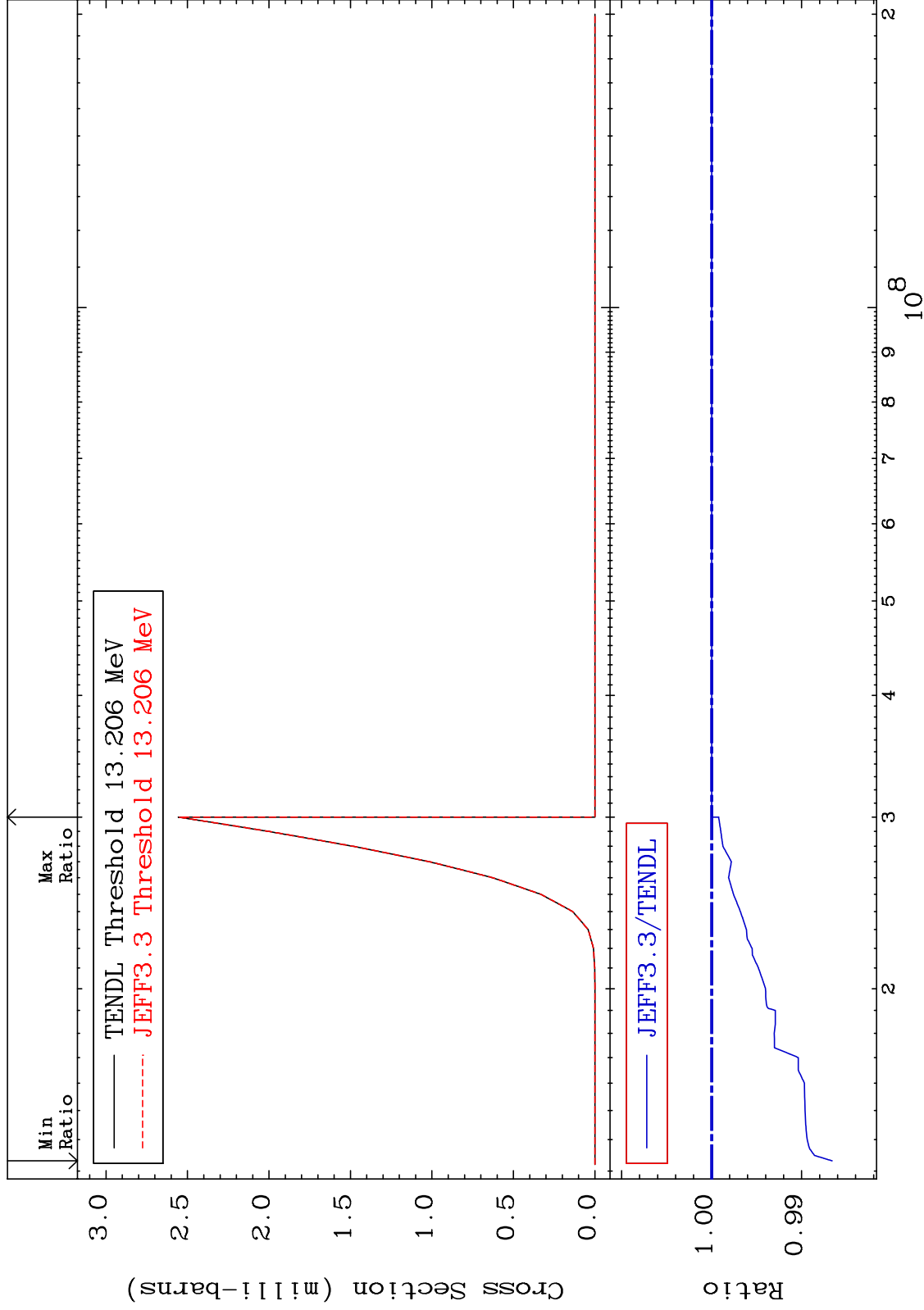


MAT 7843

(n,n') t:77-Ir-193m2

78-Pt-196

Radionuclide Production Cross Section -1.339 To 0.000 %

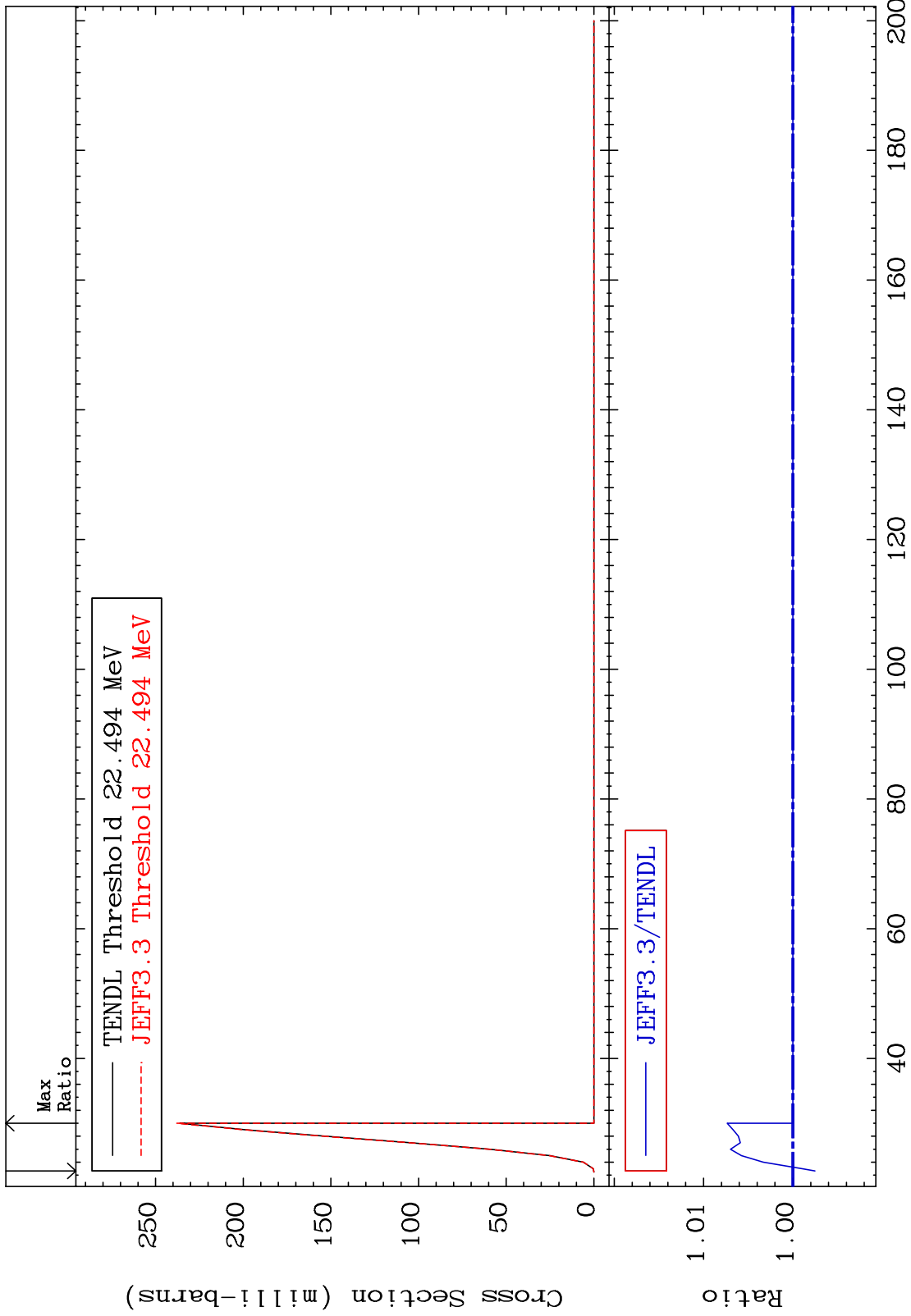


MAT 7843

(n, 4n) : 78-Pt-193g

78-Pt-196

Radionuclide Production Cross Section -0.247 To 0.736 %



85

Incident Energy (MeV)

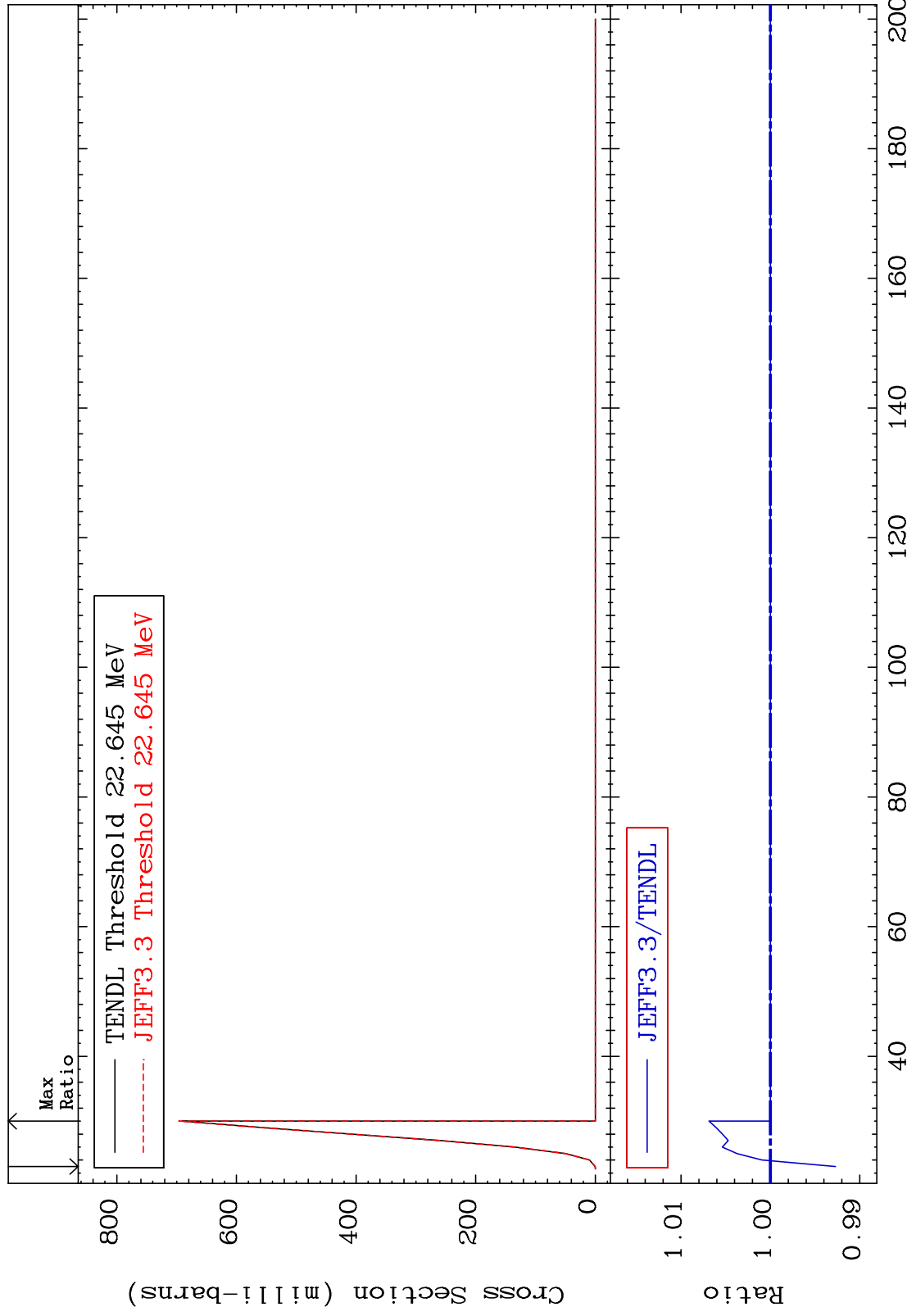
78-Pt-196

MAT 7843

(n,4n):78-Pt-193m5

78-Pt-196

Radionuclide Production Cross Section -0.728 To 0.687 %

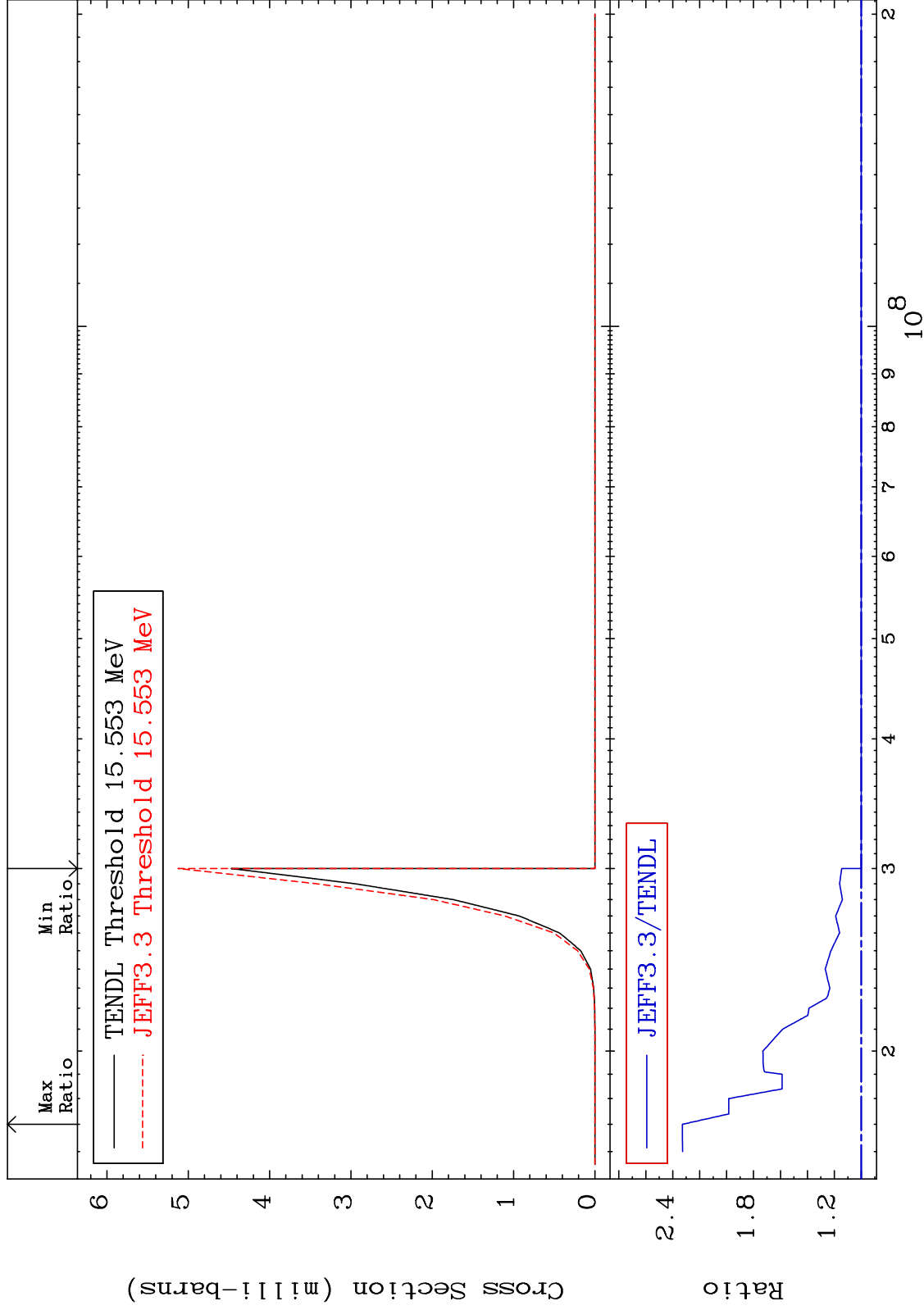


MAT 7843

(n,2n) p:77-Ir-194g

78-Pt-196

Radionuclide Production Cross Section 0.000 To 132.8 %

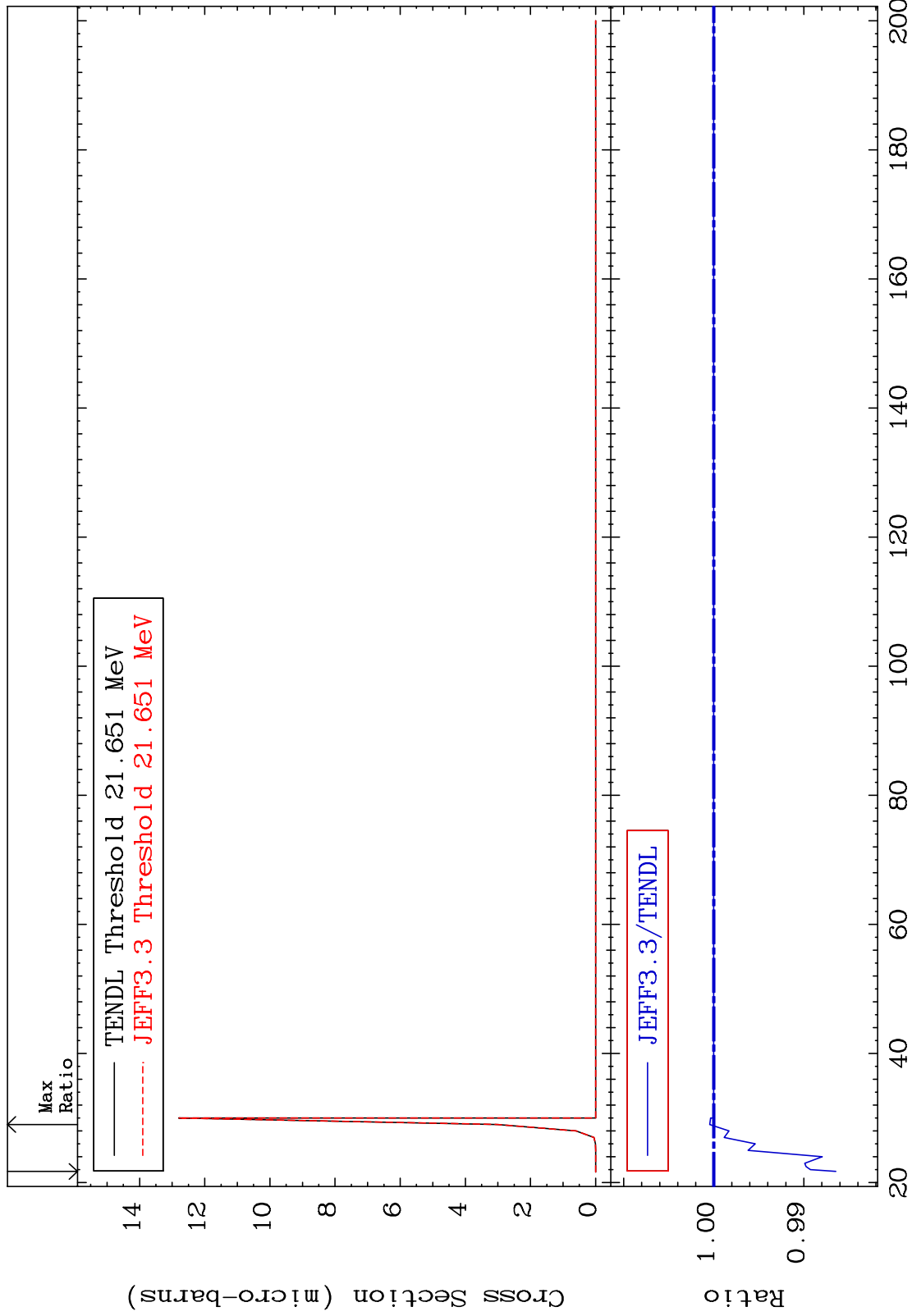


MAT 7843

(n,3n) p:77-Ir-193g

78-Pt-196

Radionuclide Production Cross Section -1.355 To 0.044 %



88

Incident Energy (MeV)

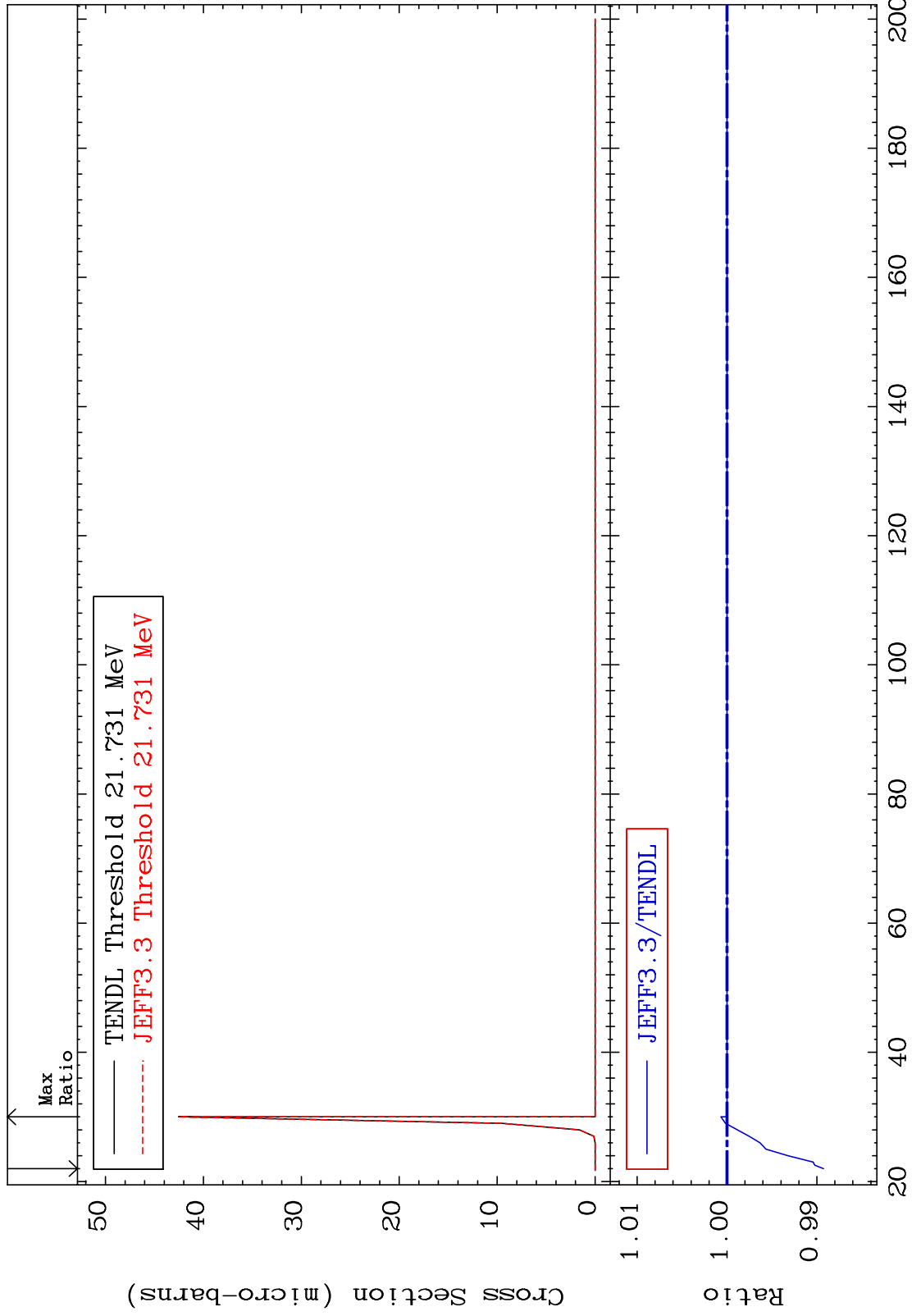
78-Pt-196

MAT 7843

(n,3n) p:77-Ir-193m2

78-Pt-196

Radionuclide Production Cross Section -1.073 To 0.069 %

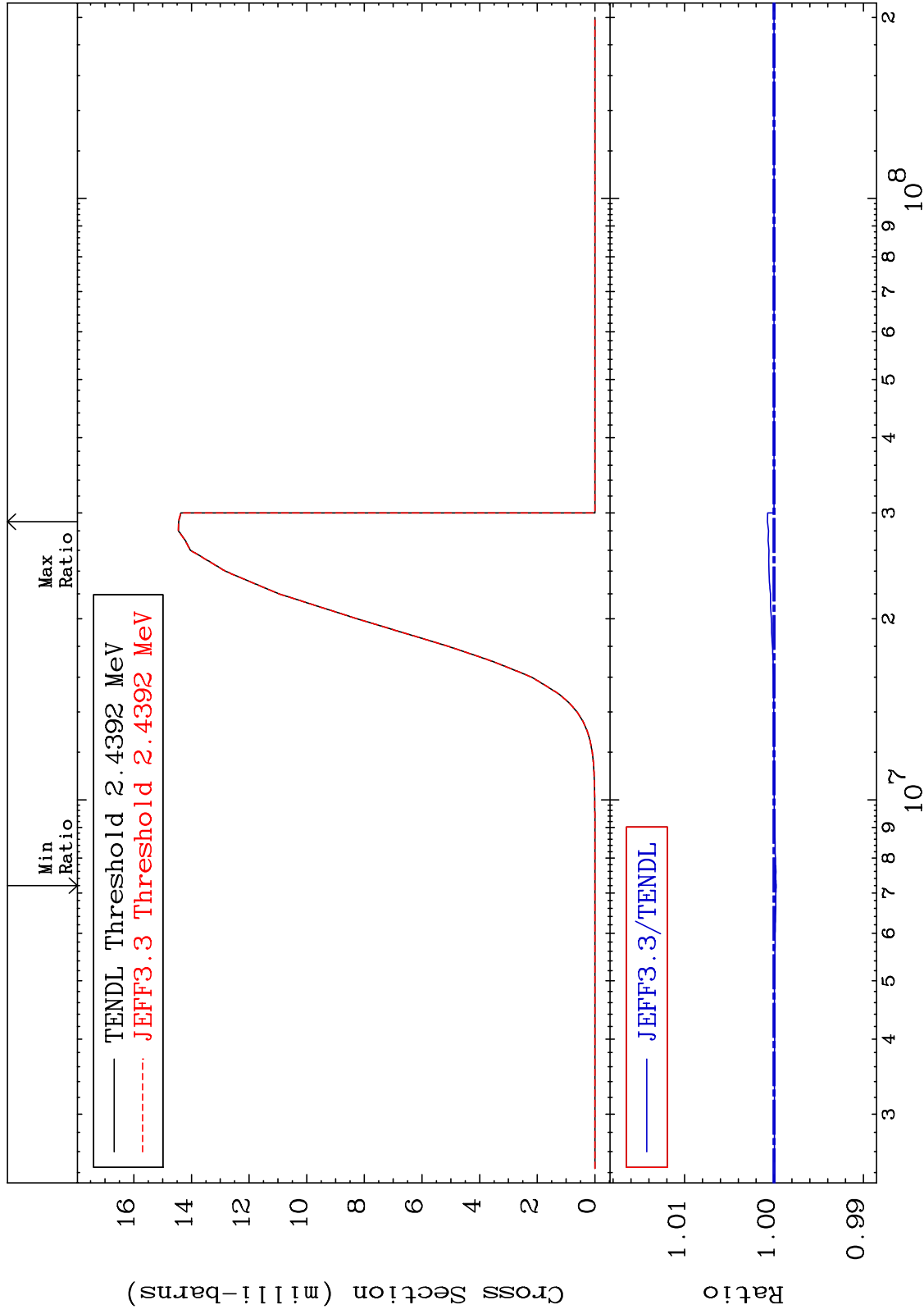


MAT 7843

(n,p) : 77-Ir-196g

78-Pt-196

Radionuclide Production Cross Section -0.024 To 0.073 %



90

Incident Energy (eV)

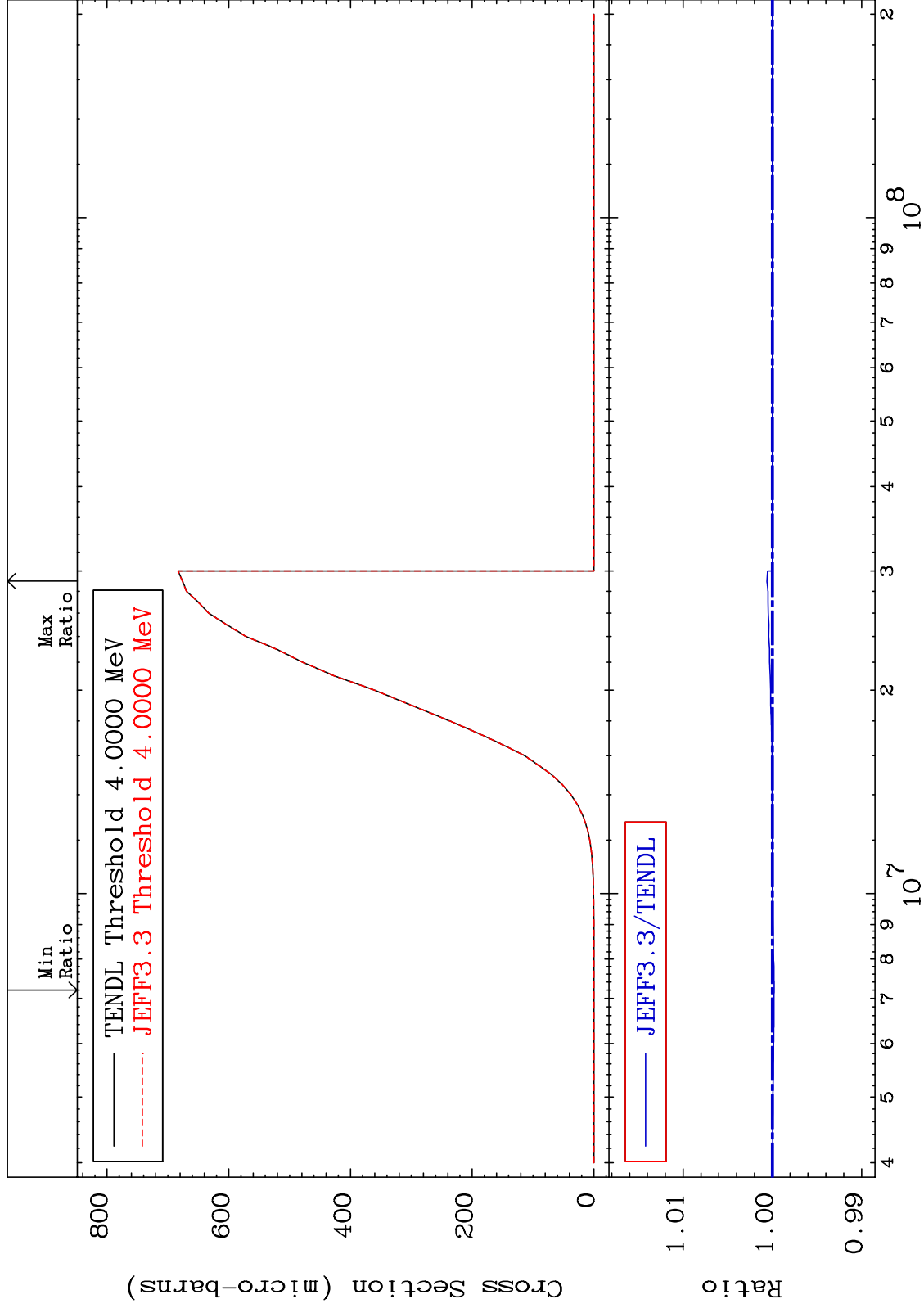
78-Pt-196

MAT 7843

(n,p):77-Ir-196m4

78-Pt-196

Radionuclide Production Cross Section -0.020 To 0.061 %



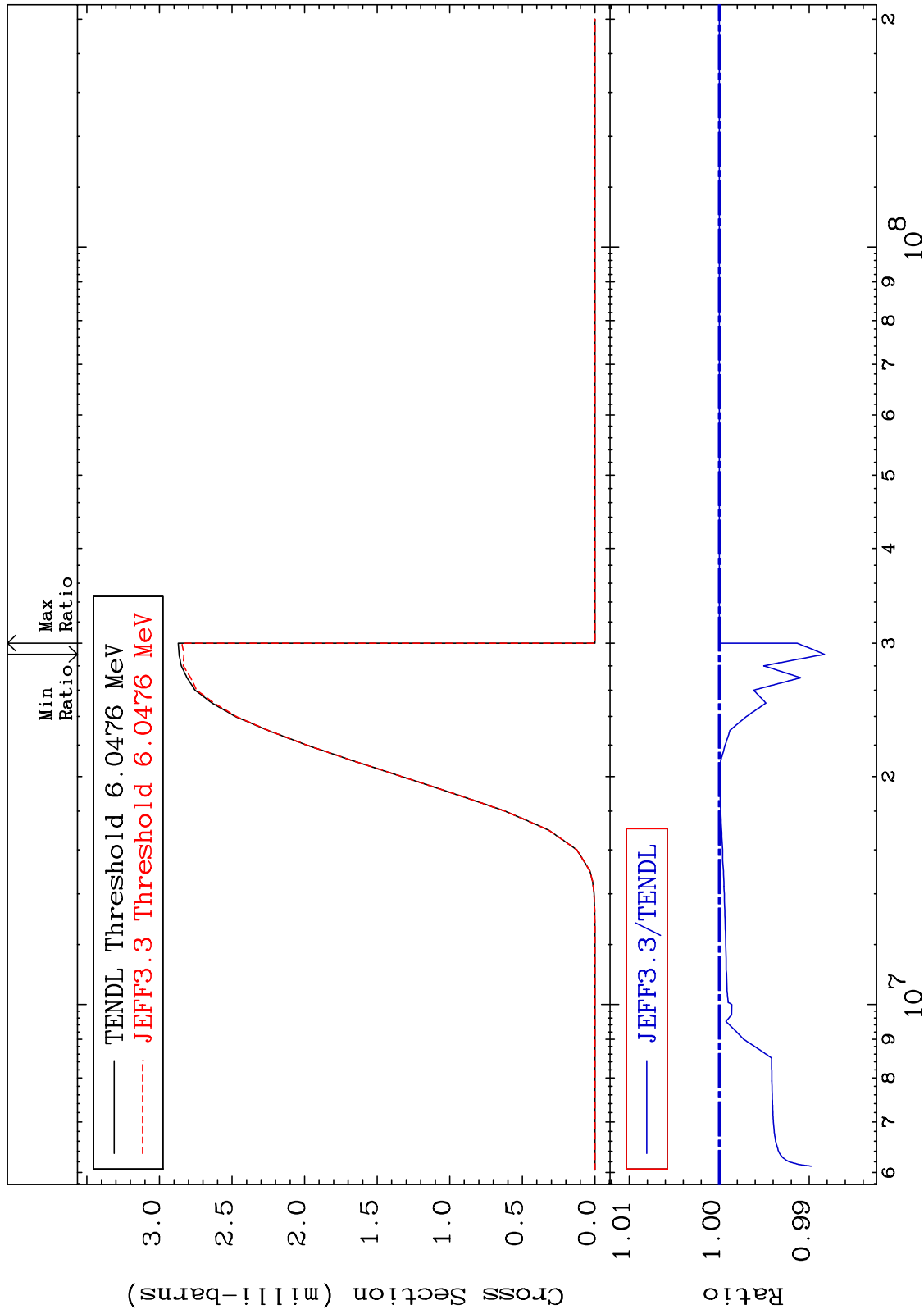
91

Incident Energy (eV)

78-Pt-196

MAT 7843

(n,d) : 77-Ir-195g 78-Pt-196
Radionuclide Production Cross Section -1.170 To 0.000 %

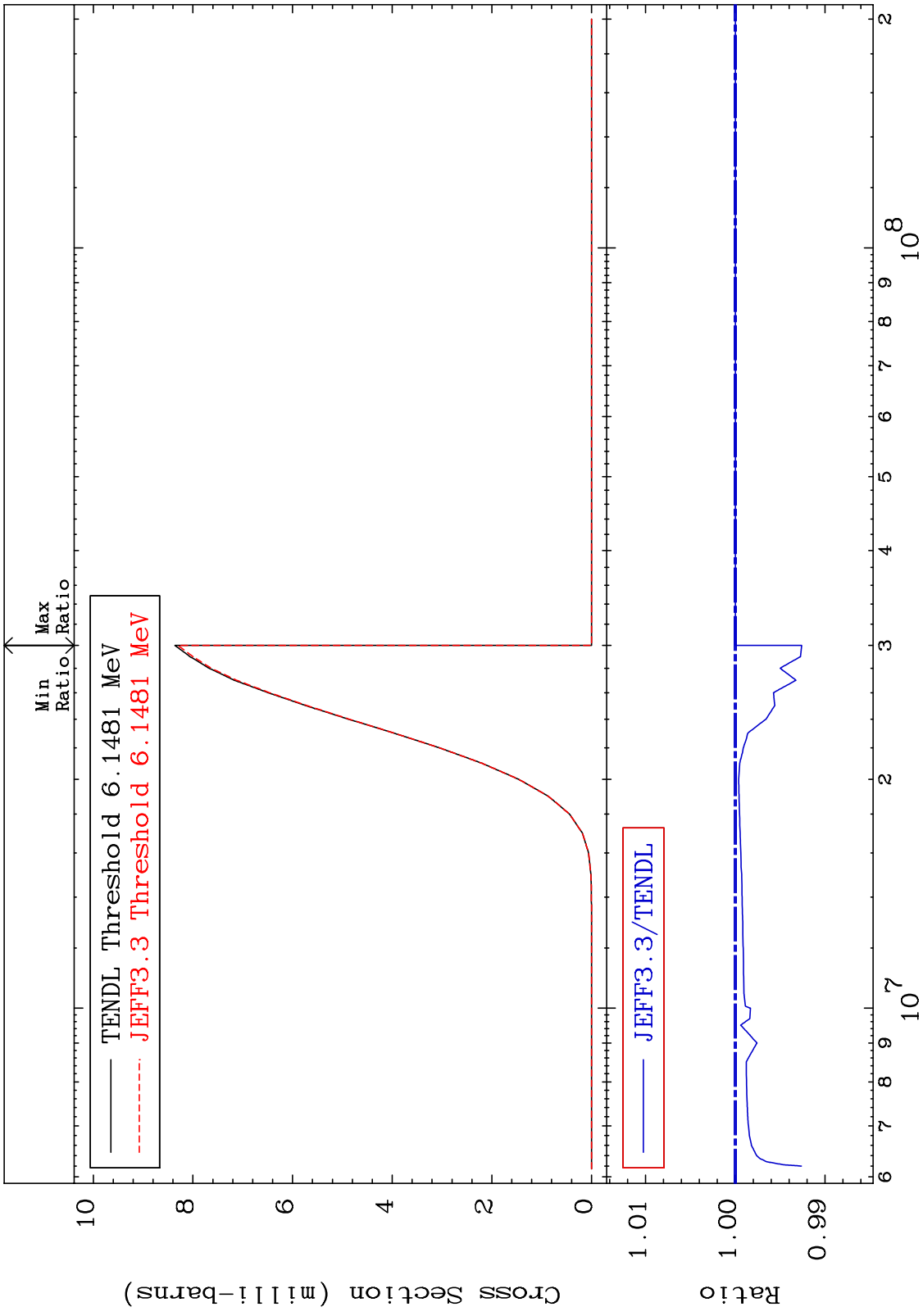


92

Incident Energy (eV)

78-Pt-196

MAT 7843 (n,d):77-Ir-195m2 78-Pt-196
 Radionuclide Production Cross Section -0.739 To 0.000 %

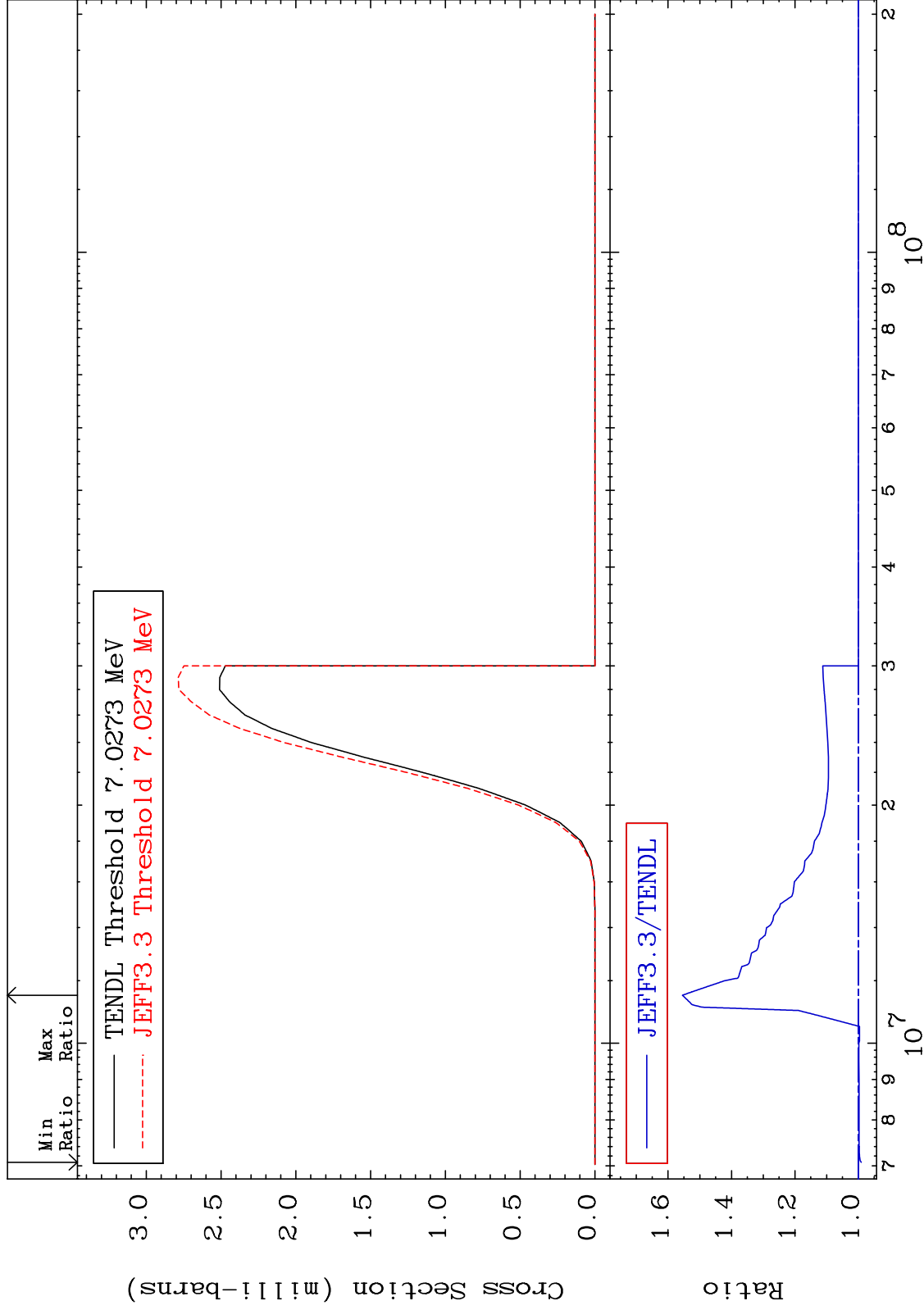


MAT 7843

(n, t) : 77-Ir-194g

78-Pt-196

Radionuclide Production Cross Section -0.927 To 55.46 %



MAT 7843

(n, t) : 77-Ir-194g

78-Pt-196

Radionuclide Production Cross Section -0.927 To 55.46 %

