

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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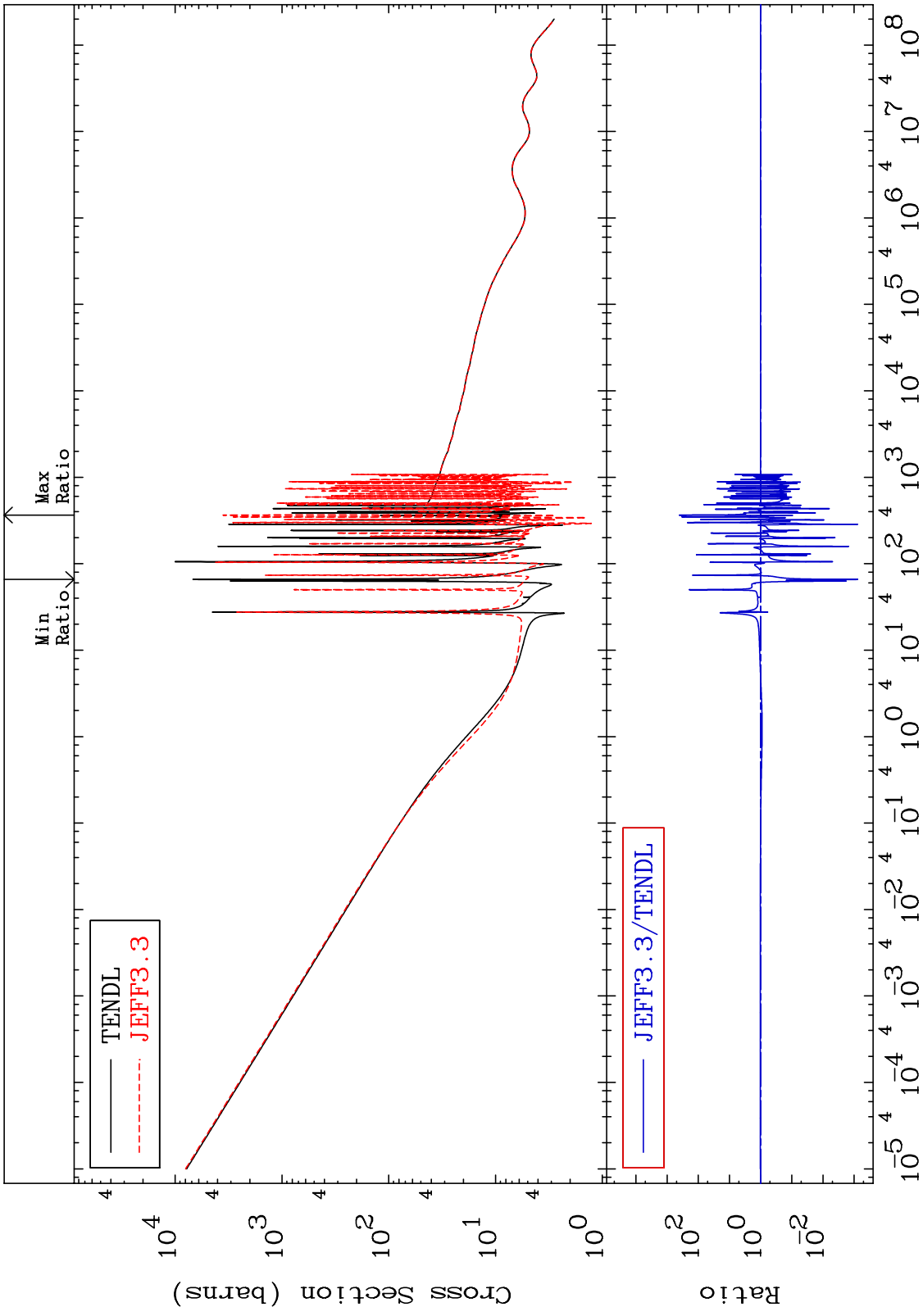
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7825 78-Pt-190 -99.92 To 9999. %
Total Cross Section

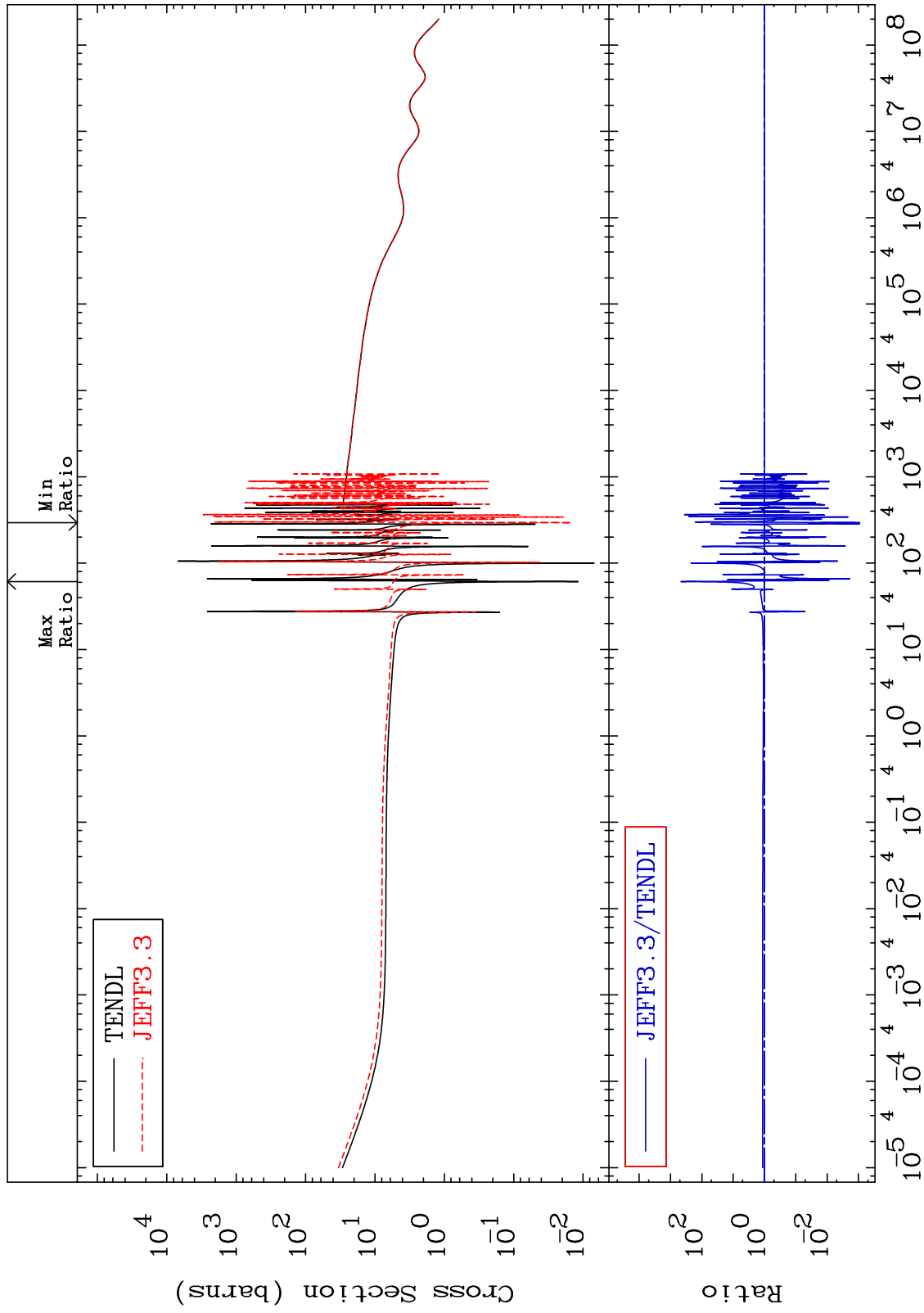


Incident Energy (eV) 78-Pt-190

MAT 7825

Elastic
Cross Section

78-Pt-190
-99.91 To 9999. %

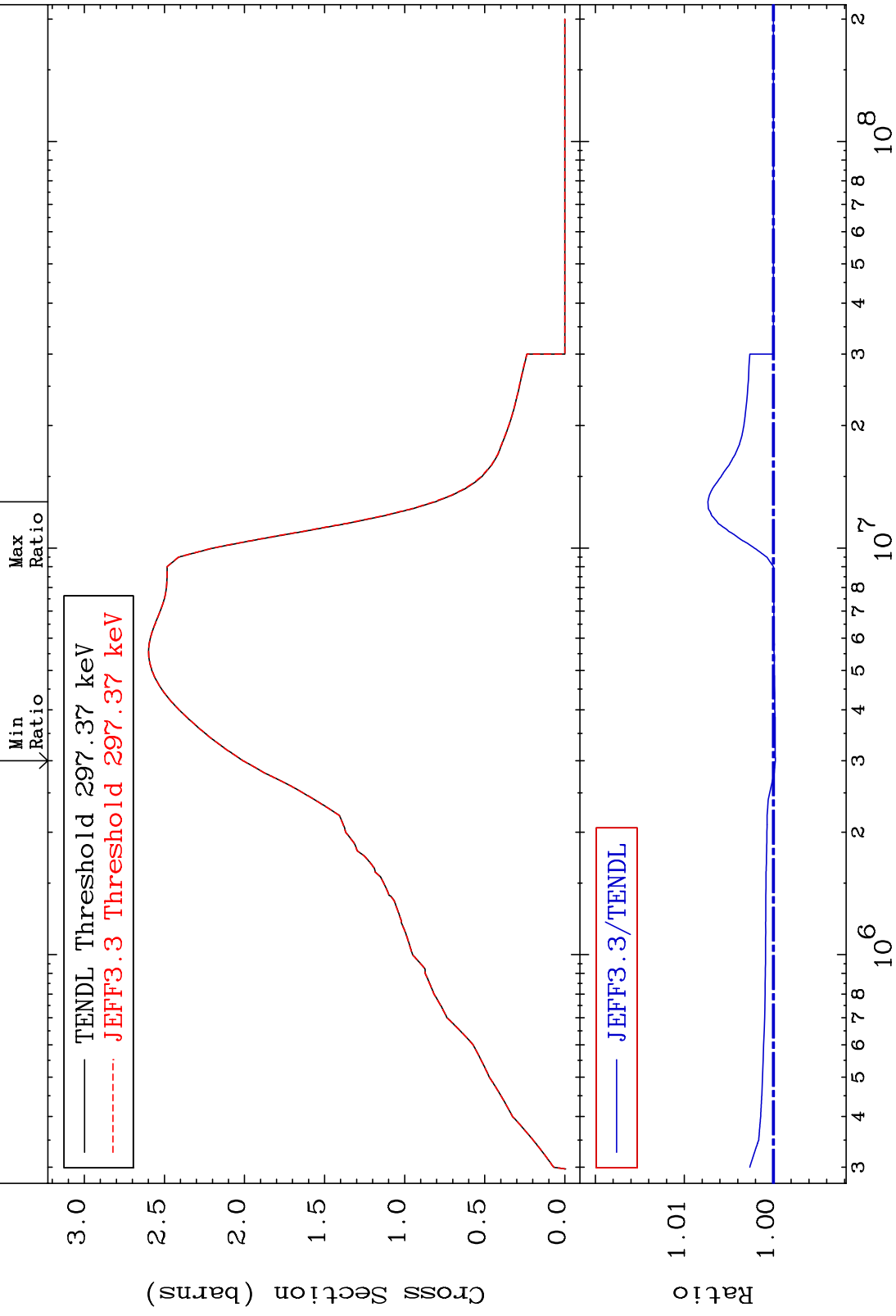


MAT 7825

Inelastic
Cross Section

78-Pt-190

-0.022 To 0.737 %

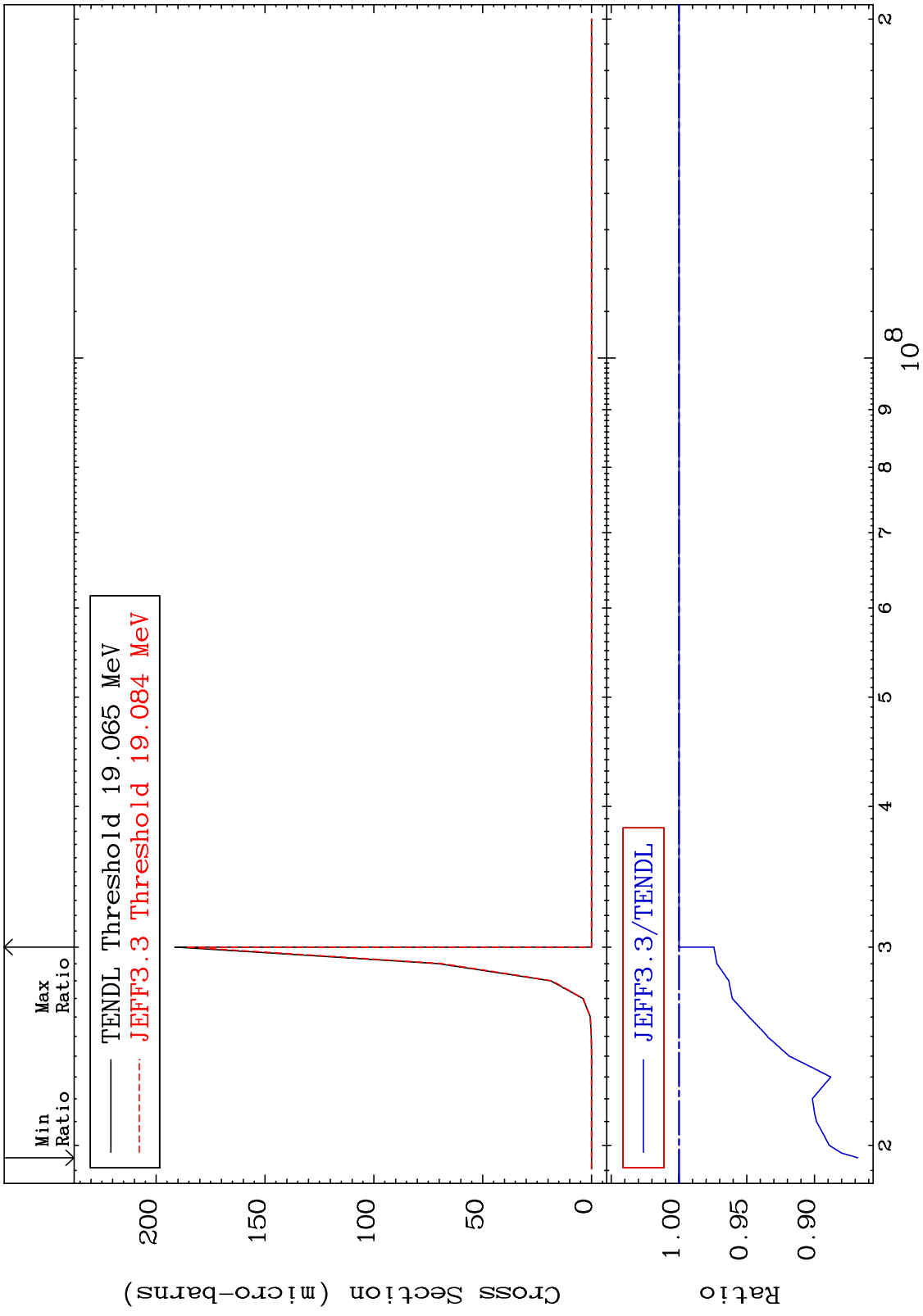


3

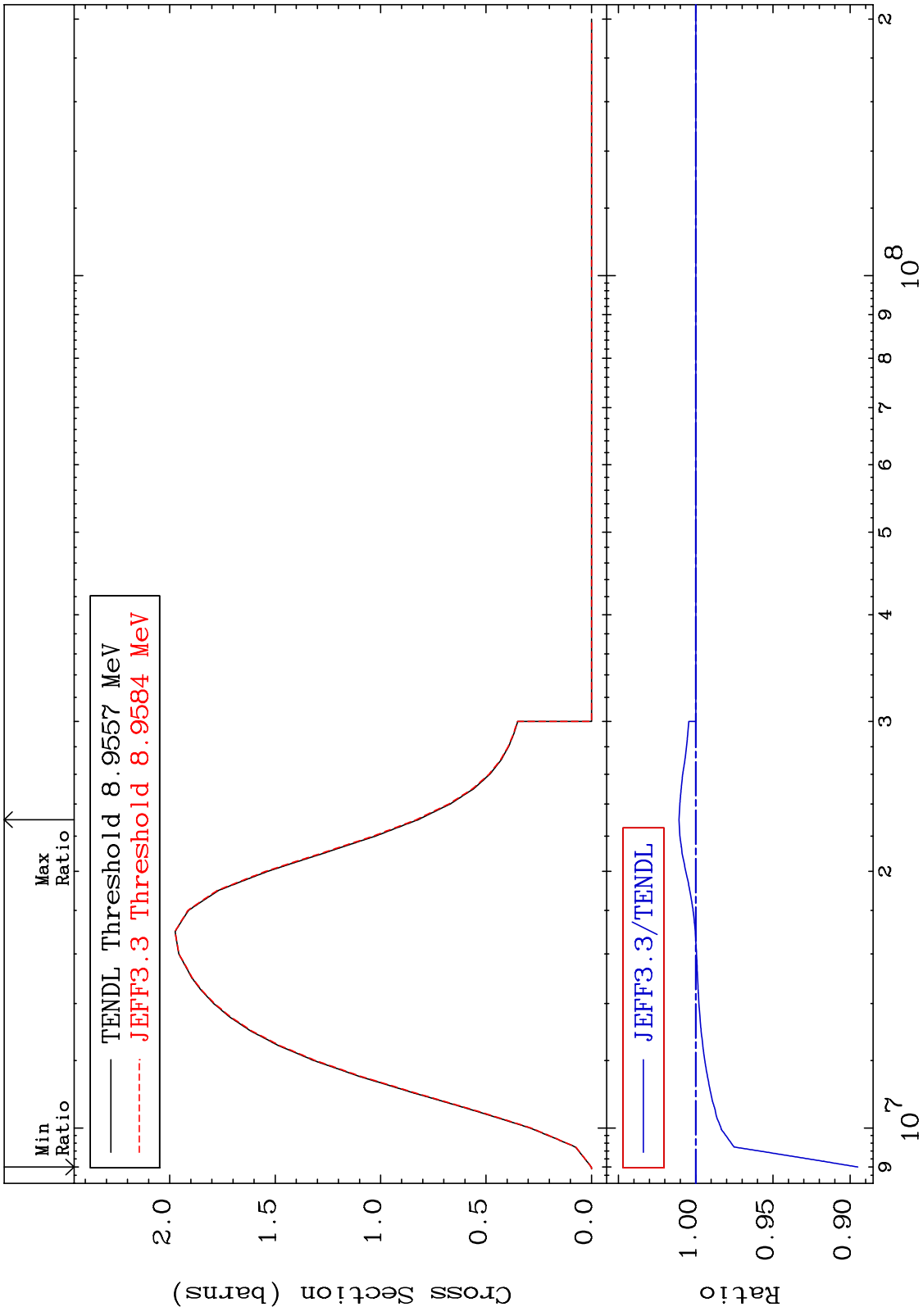
Incident Energy (eV)

78-Pt-190

MAT 7825 (n,2n) d 78-Pt-190
 Cross Section -13.20 To 0.000 %

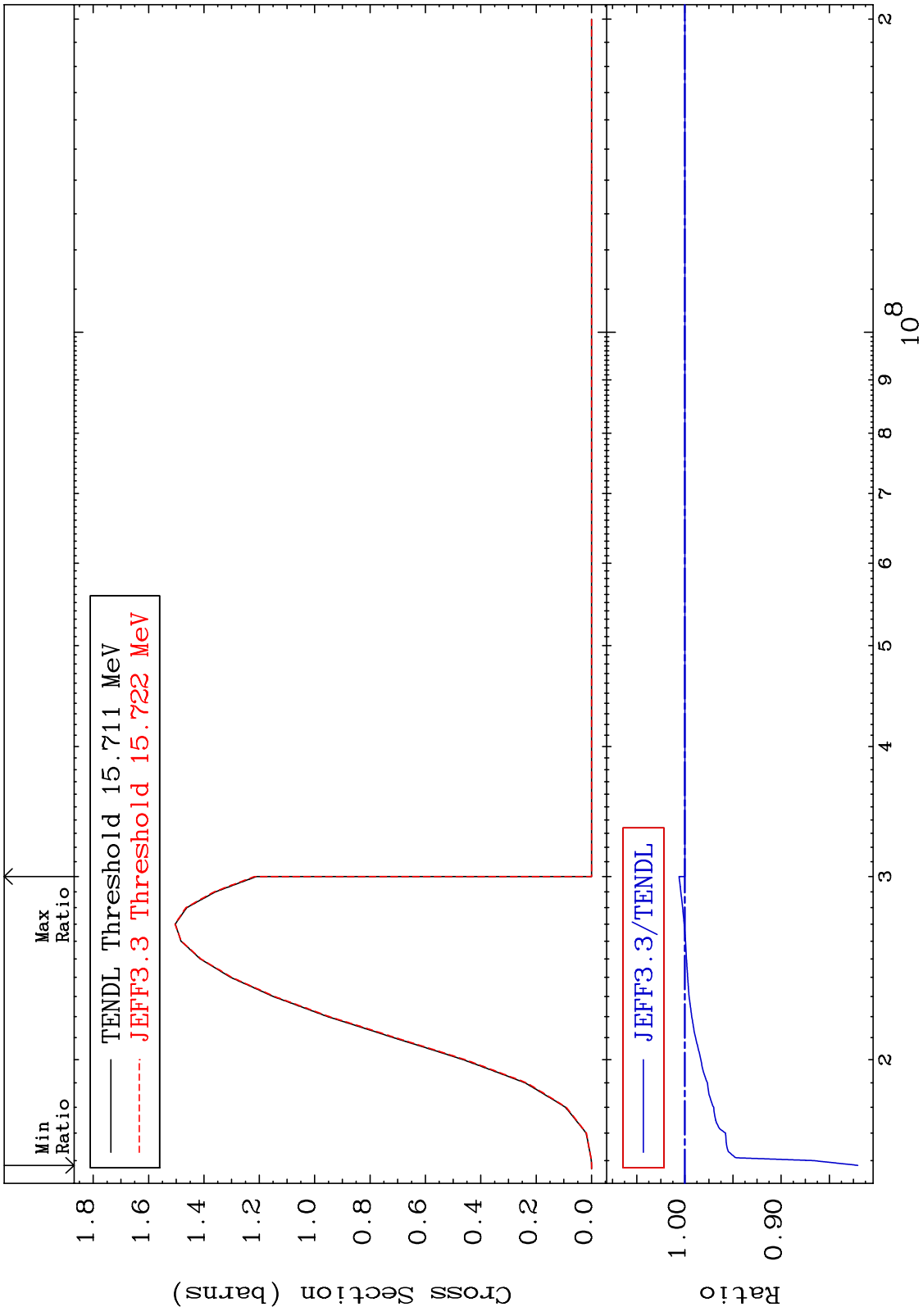


MAT 7825 (n,2n) 78-Pt-190
Cross Section -10.49 To 1.081 %



5 7 8 9 10 10 8 2
Incident Energy (eV) 78-Pt-190

MAT 7825 (n,3n) Cross Section 78-Pt-190
 -17.96 To 0.603 %



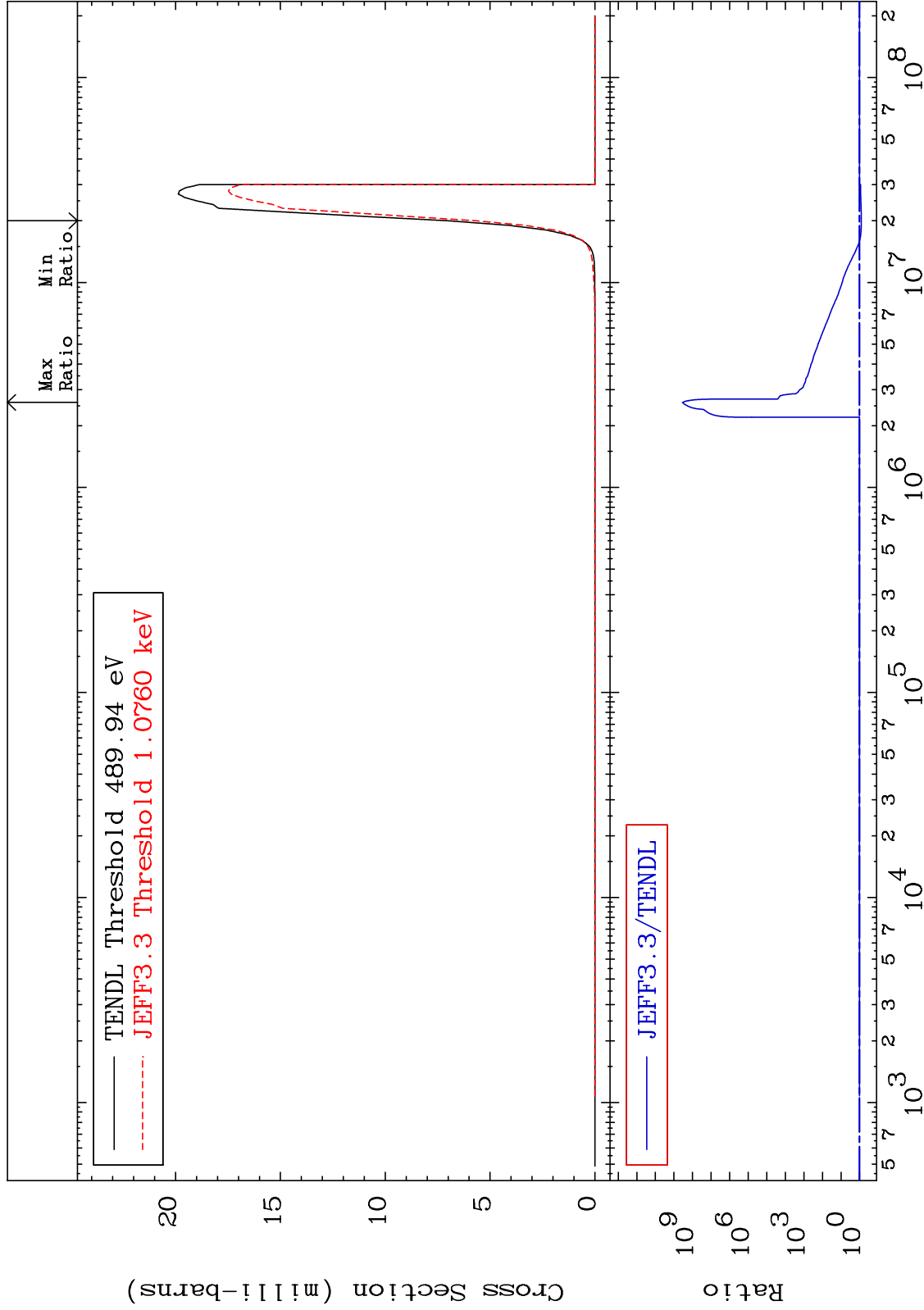
MAT 7825

$(n, n') \alpha$

78-Pt-190

-18.97 To 9999. %

Cross Section



7

Incident Energy (eV)

78-Pt-190

MAT 7825

(n,2n) α

78-Pt-190

-15.85 To 9999. %

Cross Section

Max Ratio

Min Ratio

TENDL Threshold 5.0233 MeV
JEFF3.3 Threshold 5.0382 MeV

Cross Section (milli-barns)

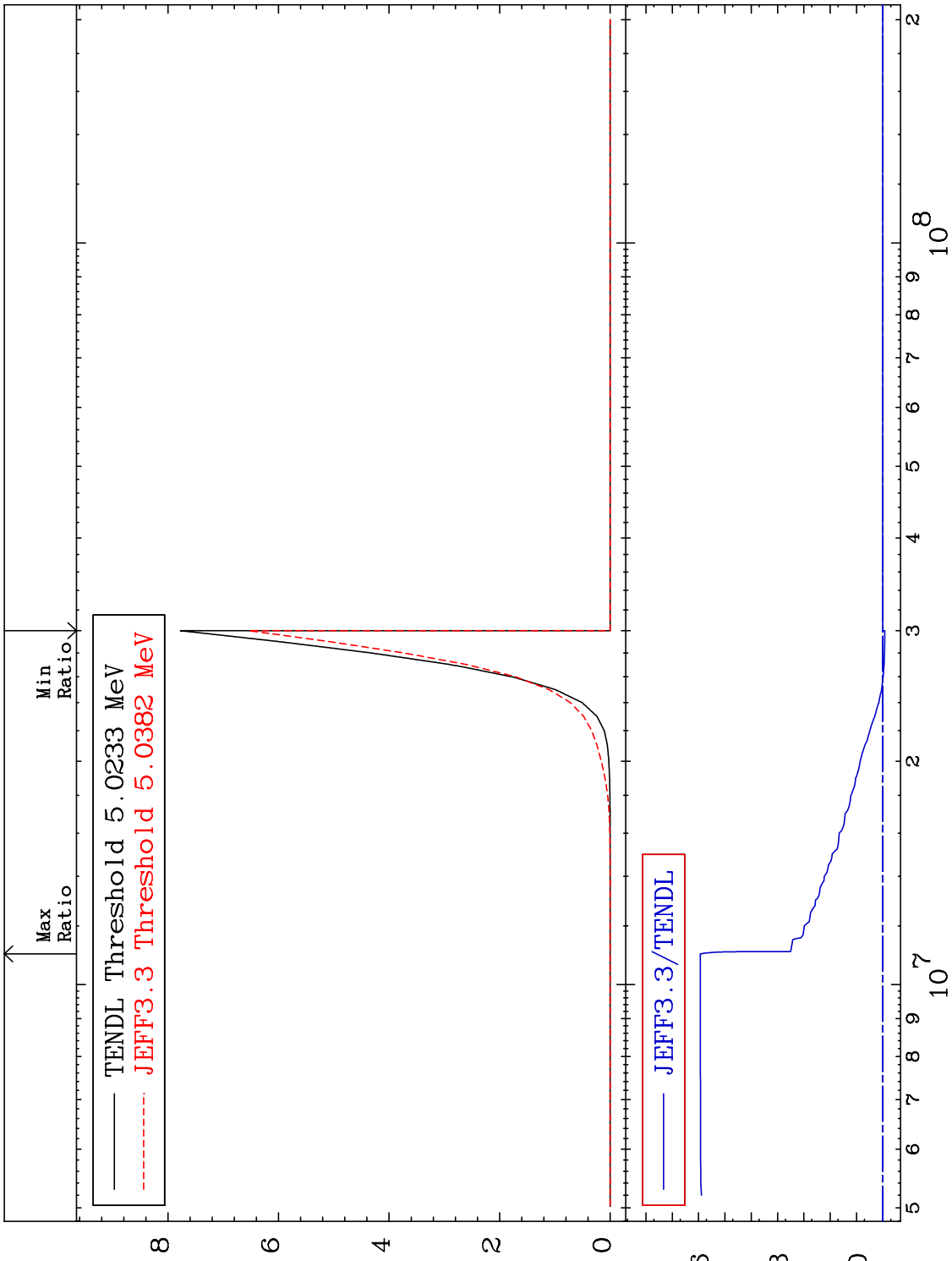
JEFF3.3/TENDL

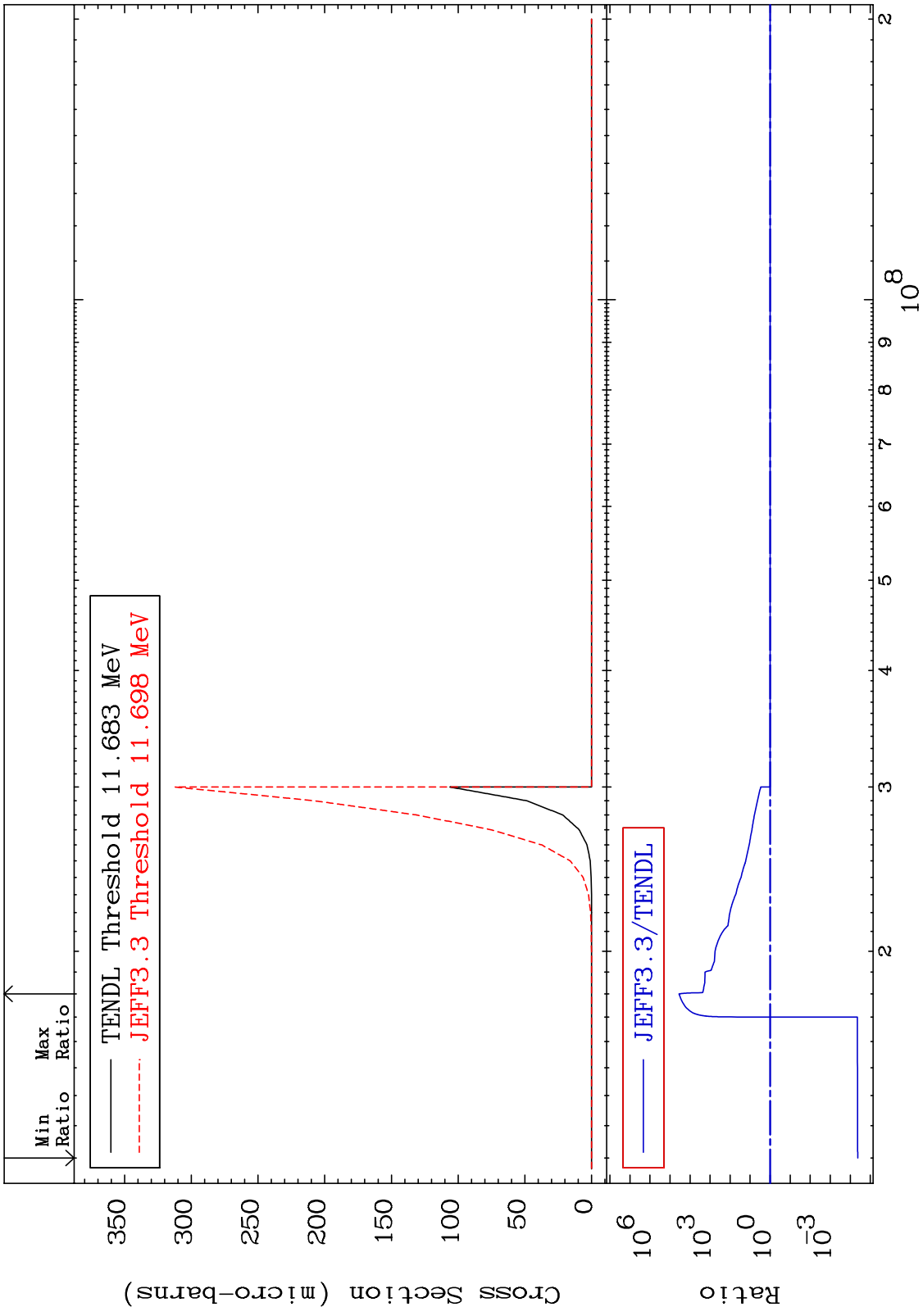
Ratio

8

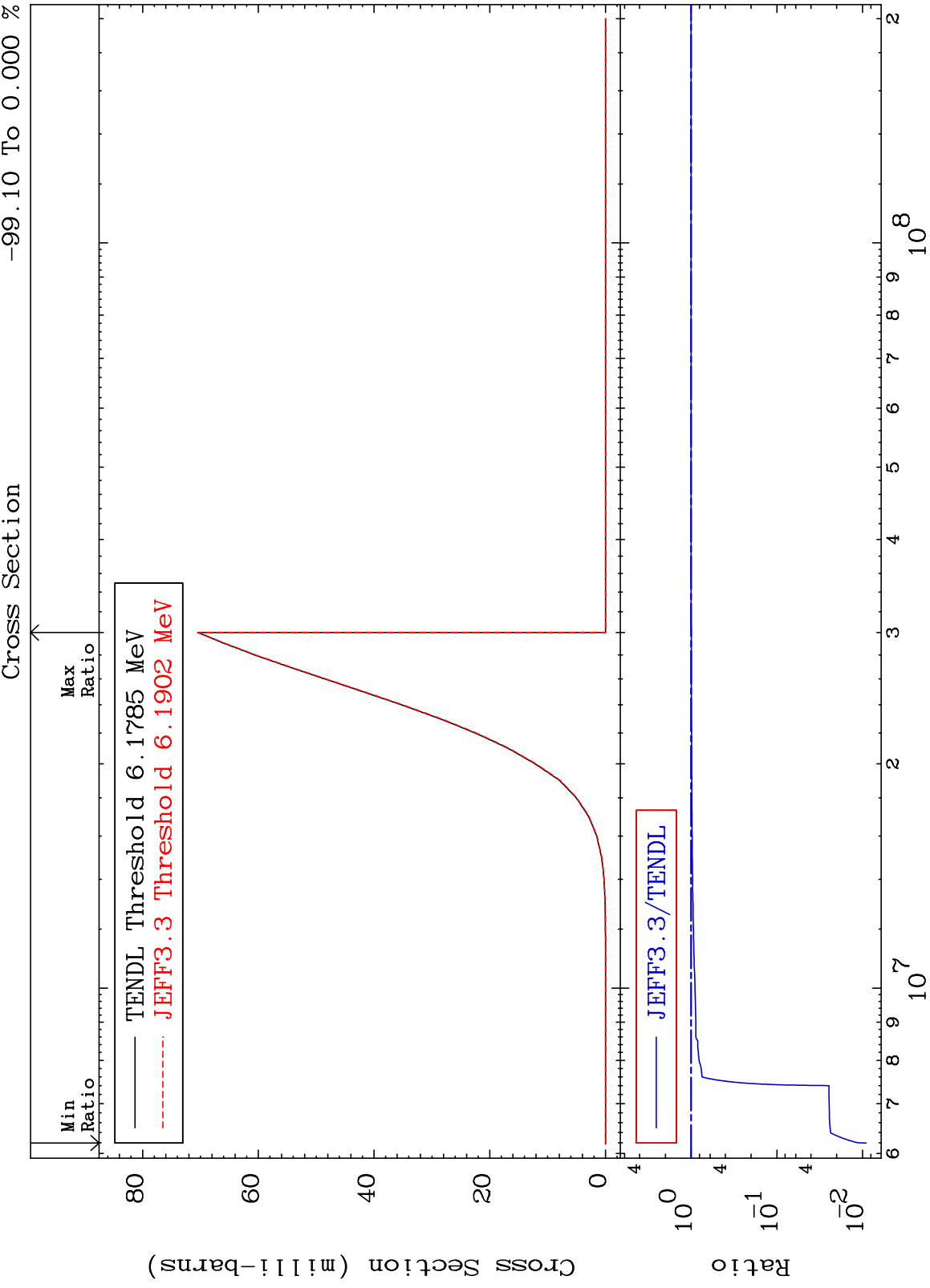
Incident Energy (eV)

78-Pt-190



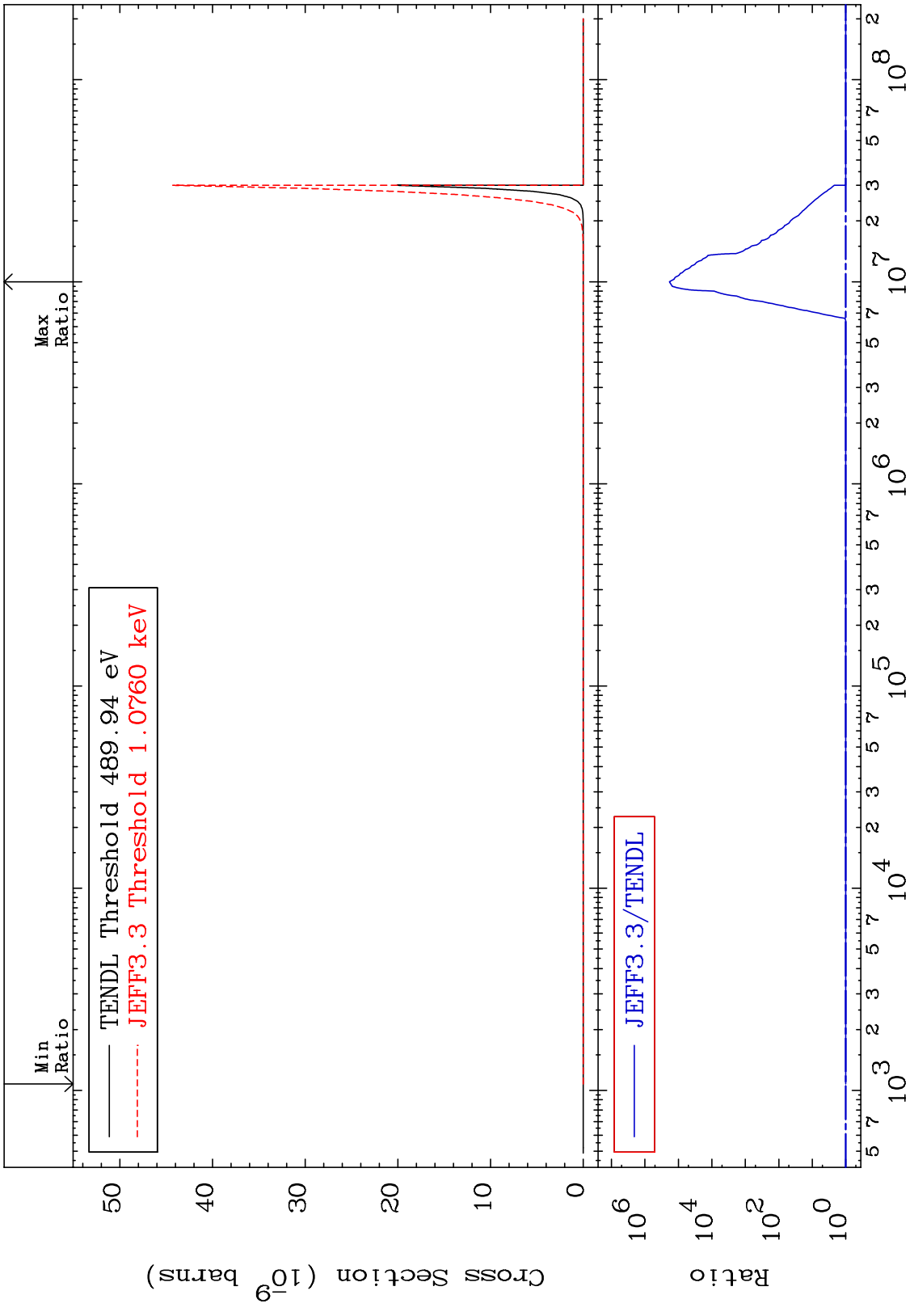


MAT 7825 (n, n') p 78-Pt-190 -99.10 To 0.000 %

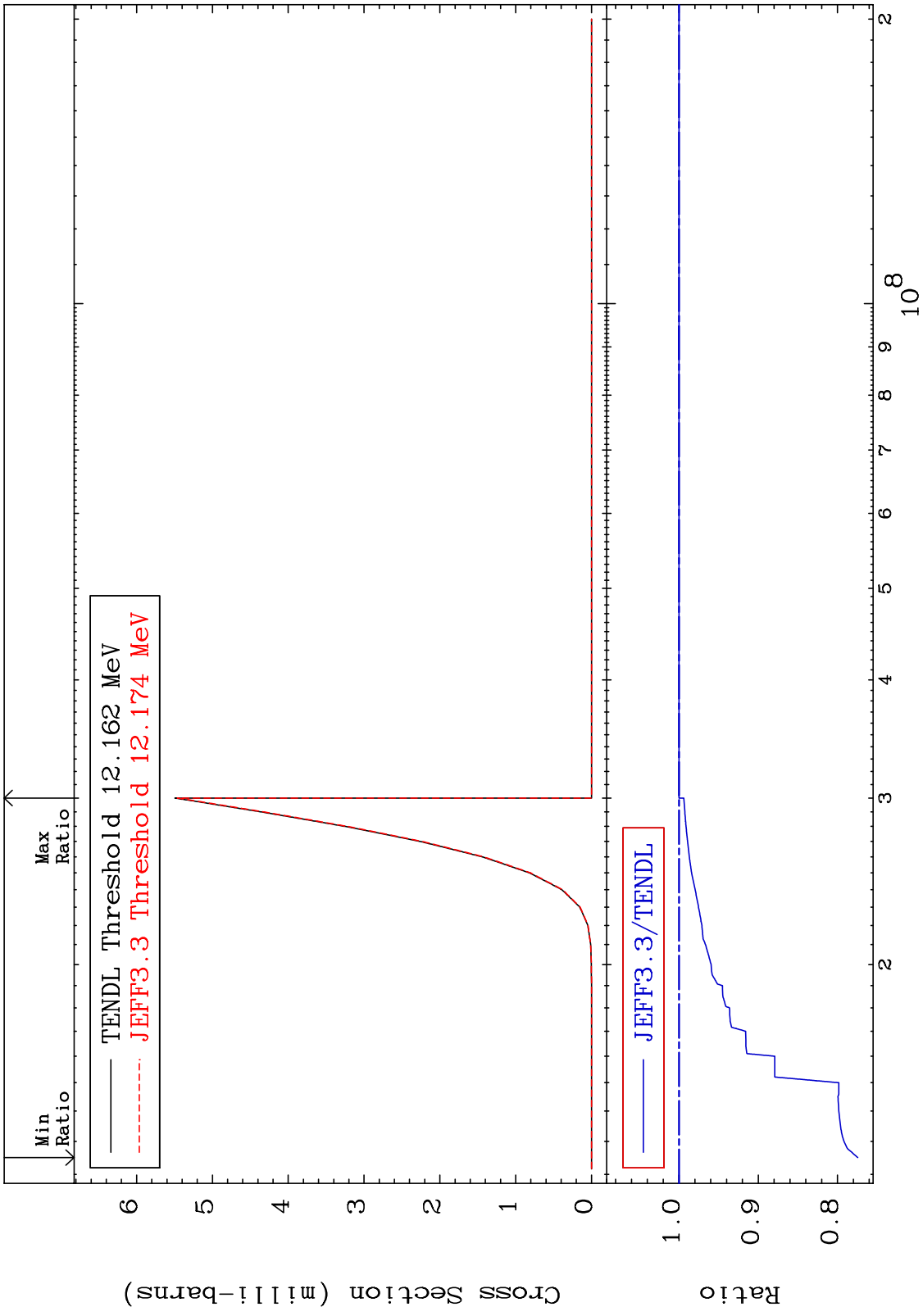


10 Incident Energy (eV) 78-Pt-190

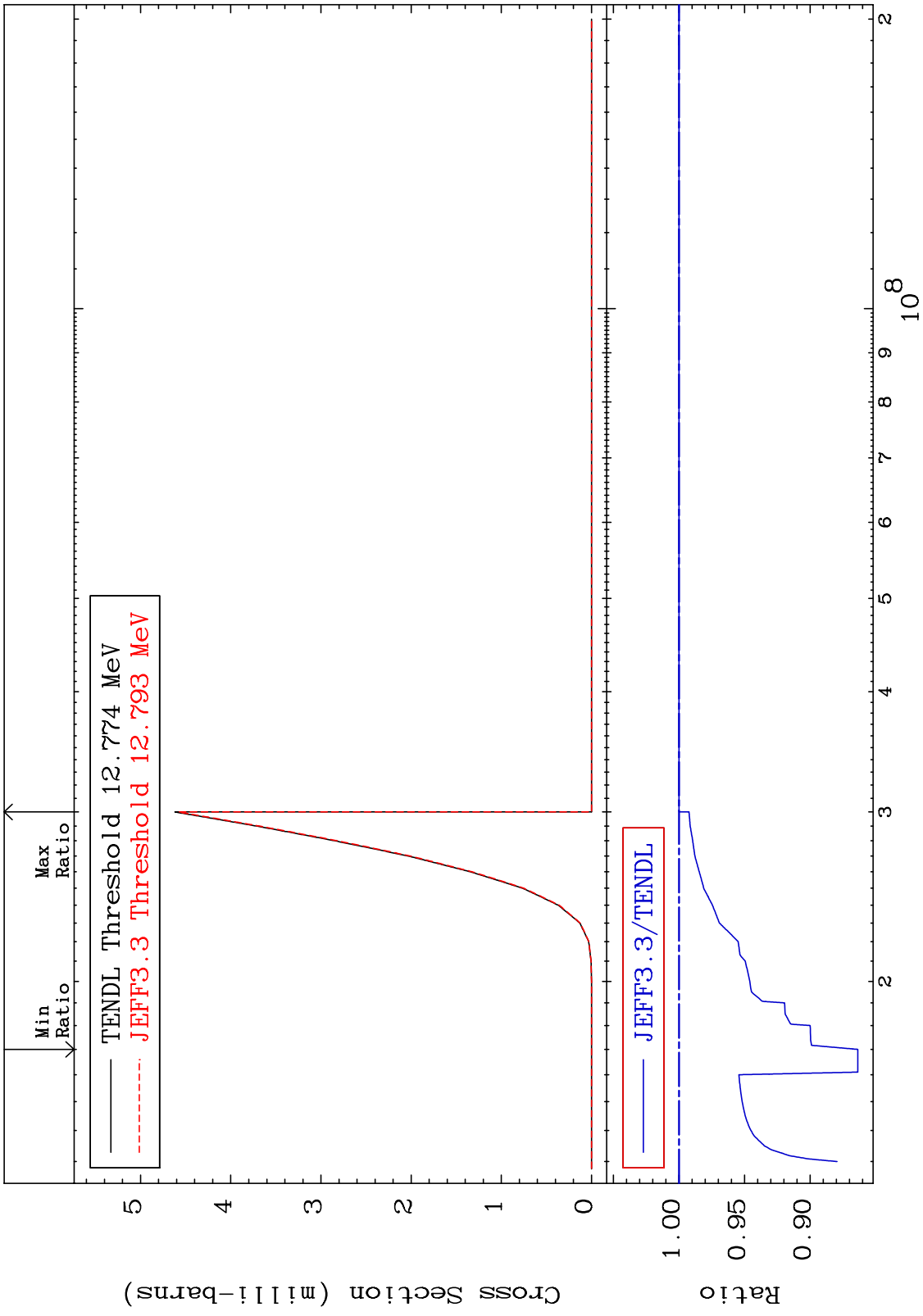
MAT 7825 (n,n') 2α Cross Section 78-Pt-190 To 9999. %



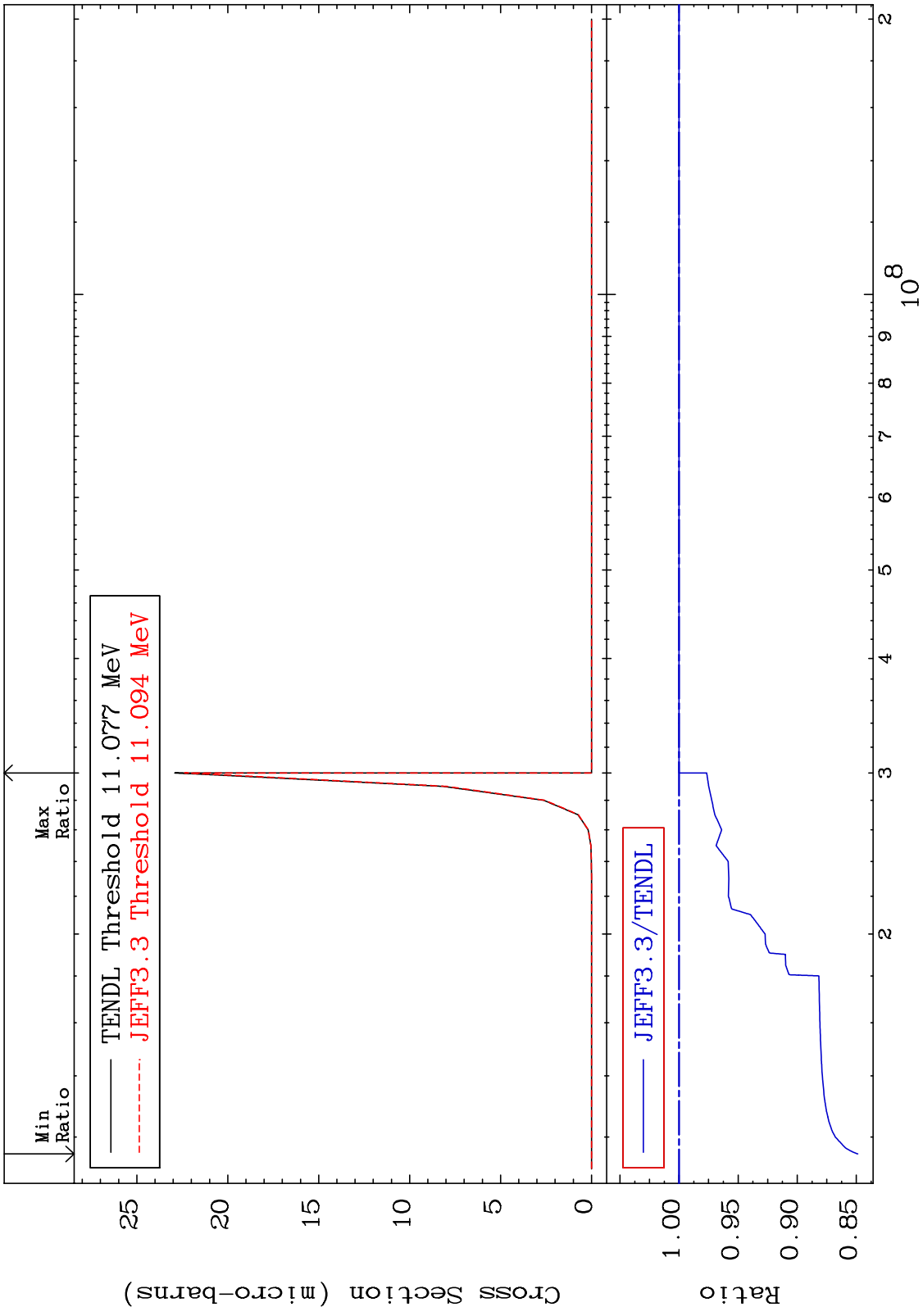
MAT 7825 (n, n') d 78-Pt-190
 Cross Section -22.57 To 0.000 %



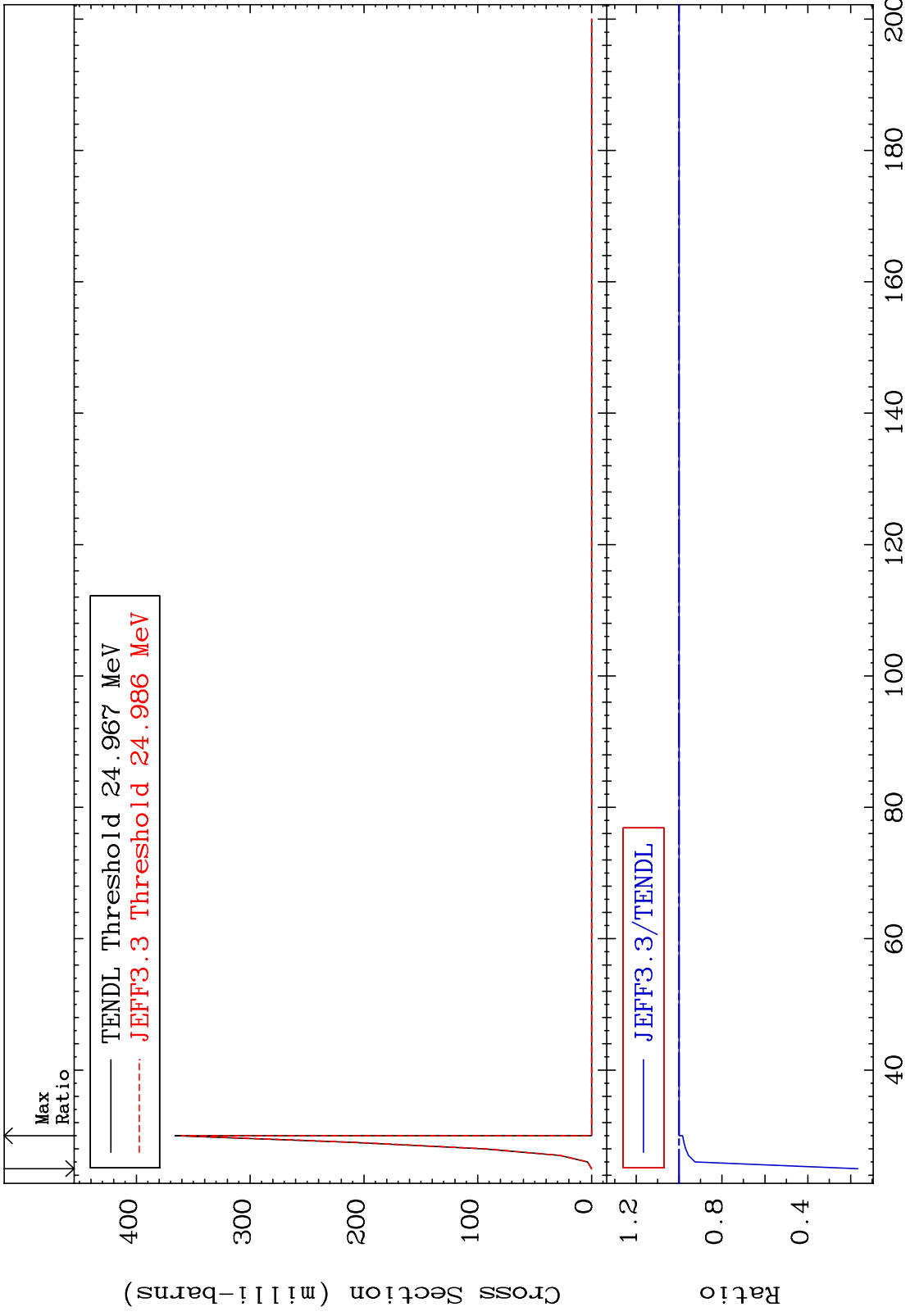
MAT 7825 (n,n') t 78-Pt-190
 Cross Section -13.64 To 0.000 %



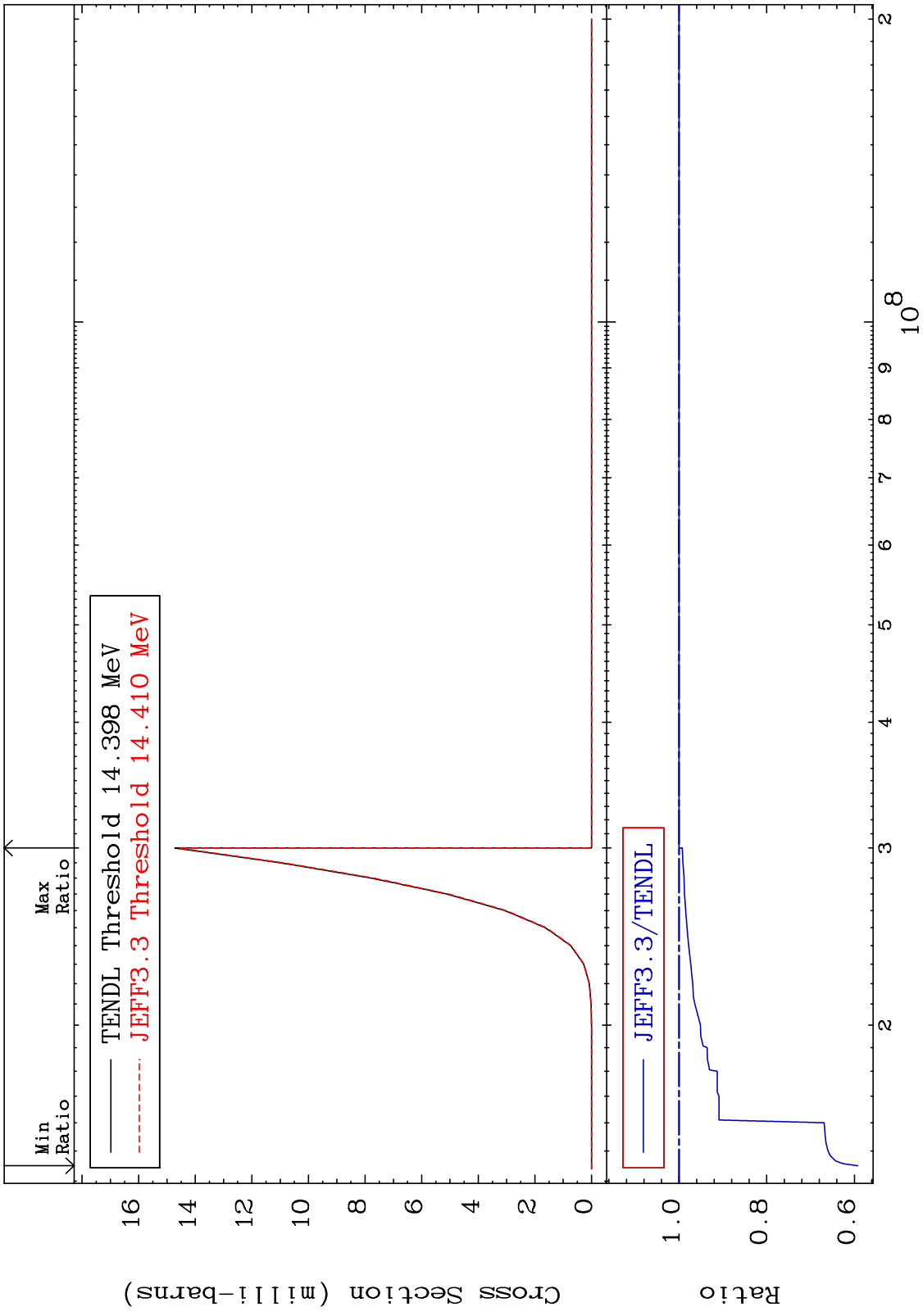
MAT 7825 (n, n') He-3 78-Pt-190
 Cross Section -15.13 To 0.000 %



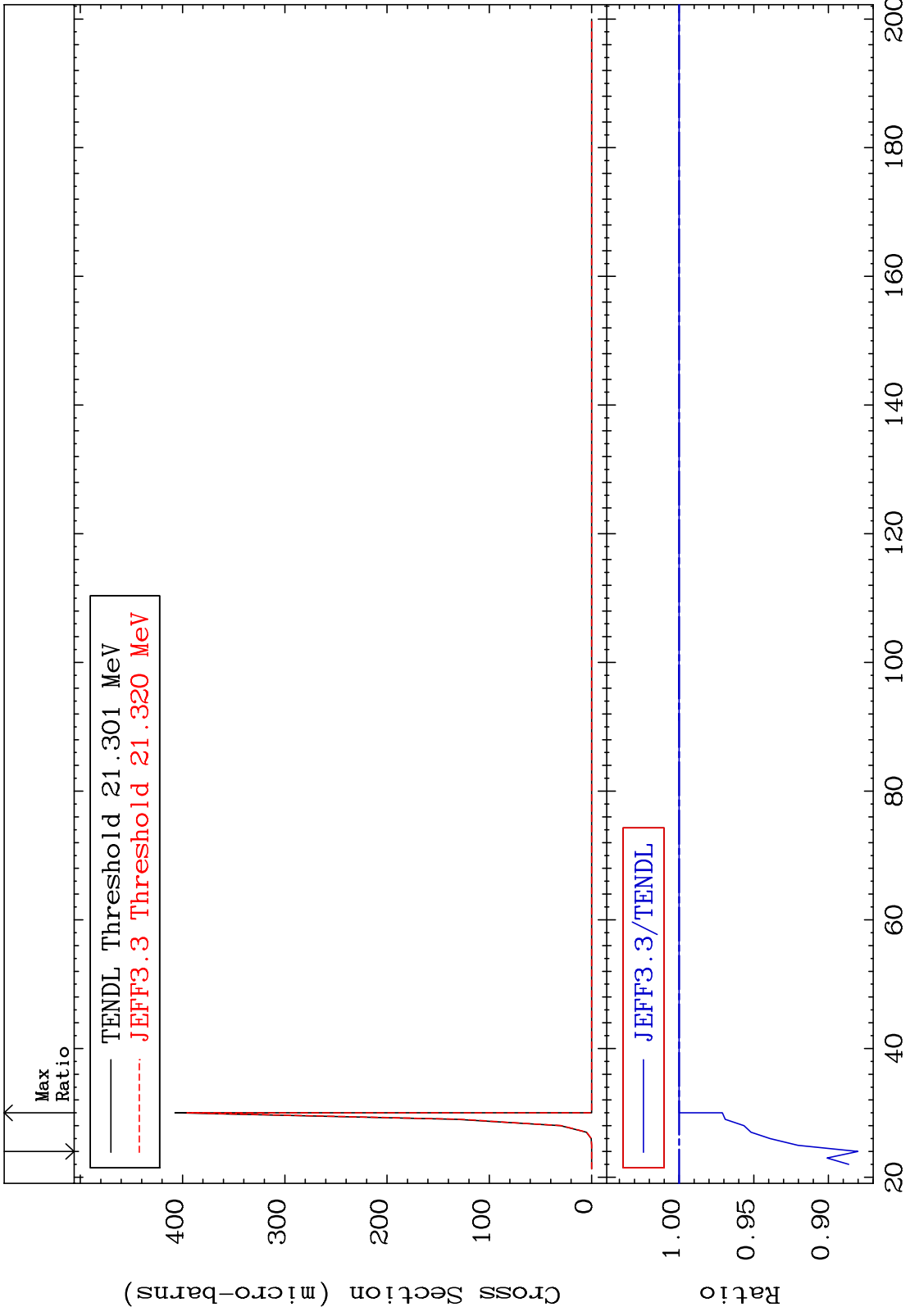
MAT 7825 (n,4n) Cross Section 78-Pt-190 -83.41 To 0.000 %



MAT 7825 (n,2n) p 78-Pt-190
 Cross Section -40.78 To 0.000 %

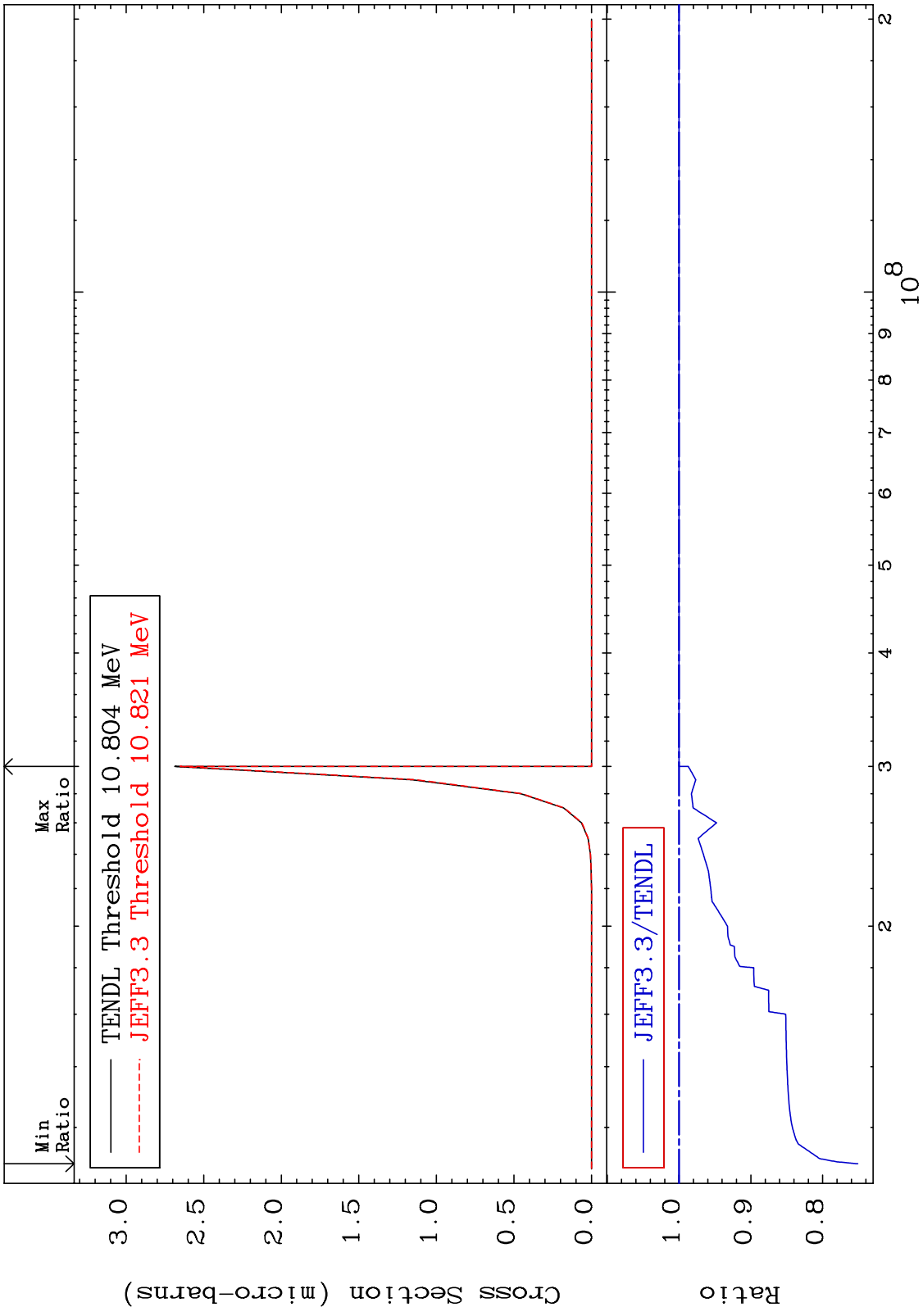


MAT 7825 (n,3n) p 78-Pt-190
Cross Section -11.99 To 0.000 %

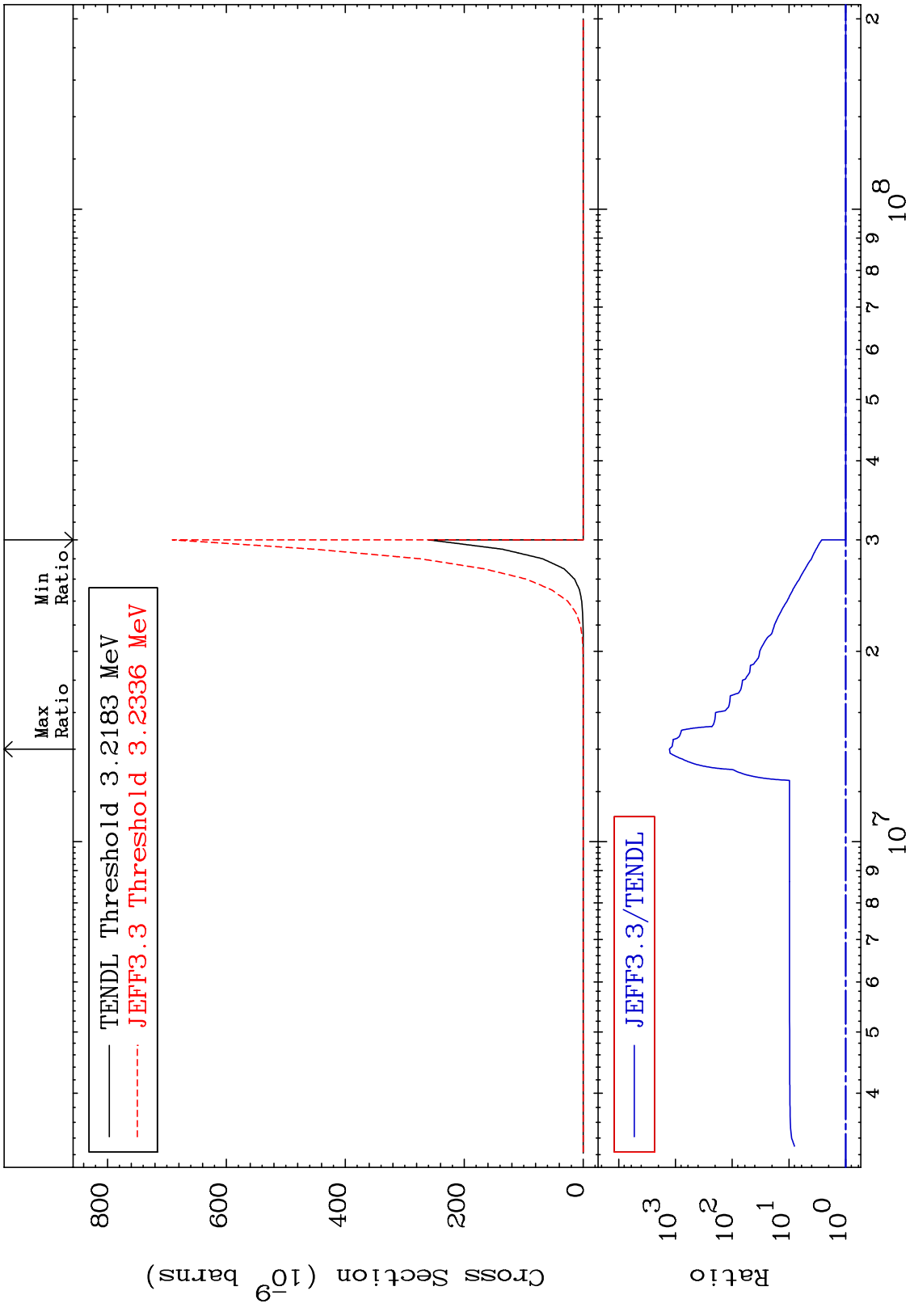


17 78-Pt-190

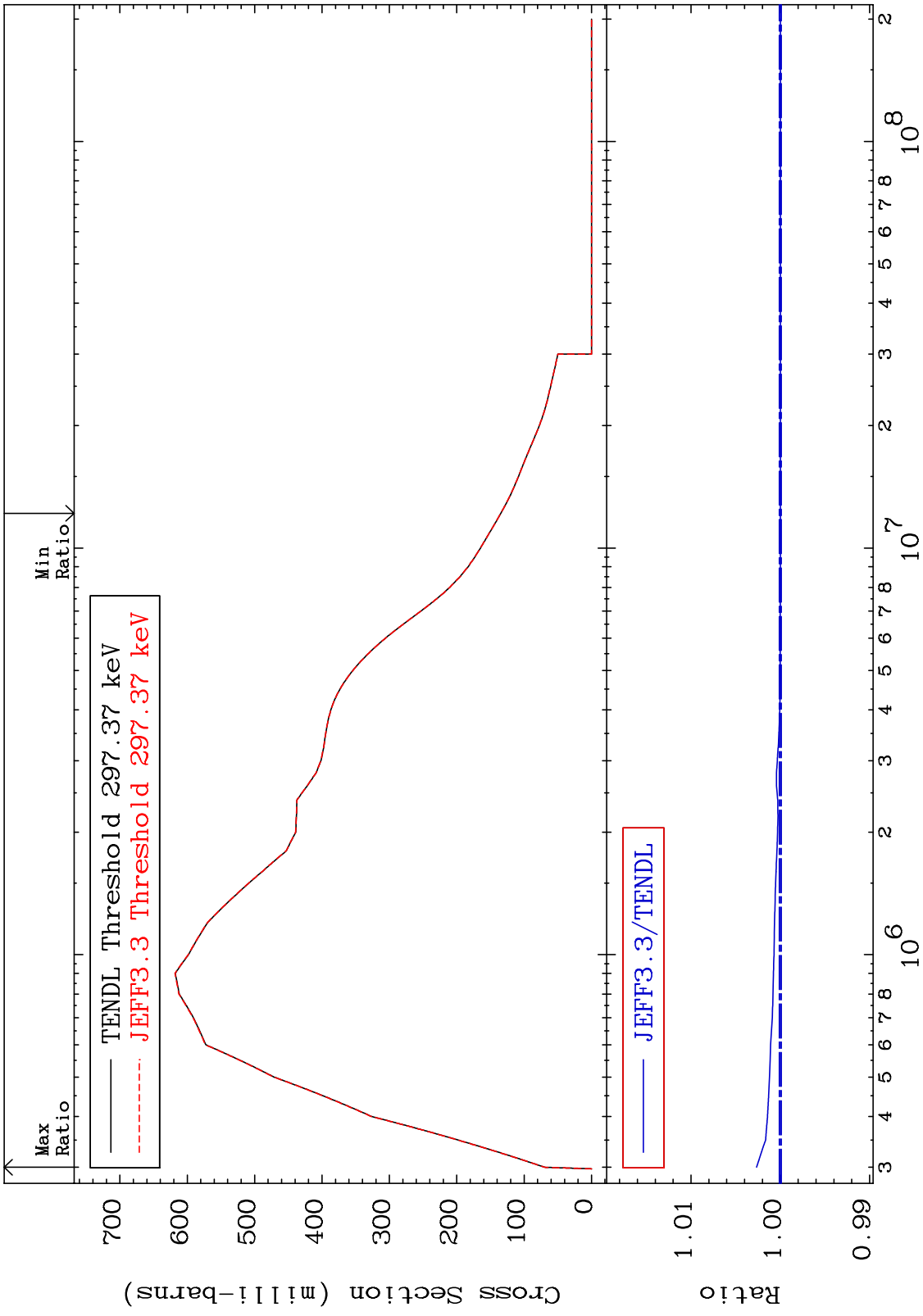
MAT 7825 (n,2n) p 78-Pt-190
 Cross Section -24.89 To 0.000 %



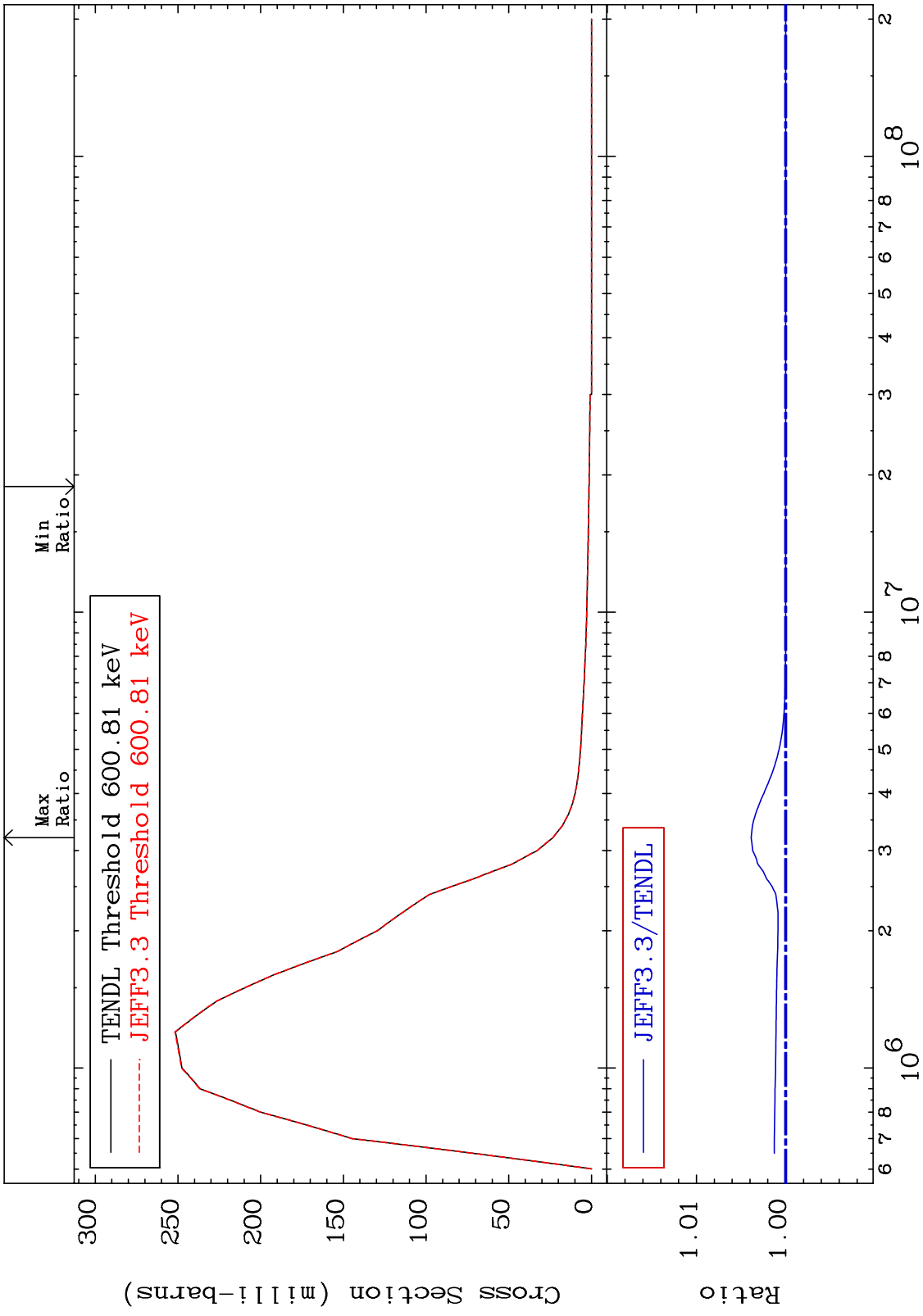
MAT 7825 (n, n') p α Cross Section 78-Pt-190 To 9999. %



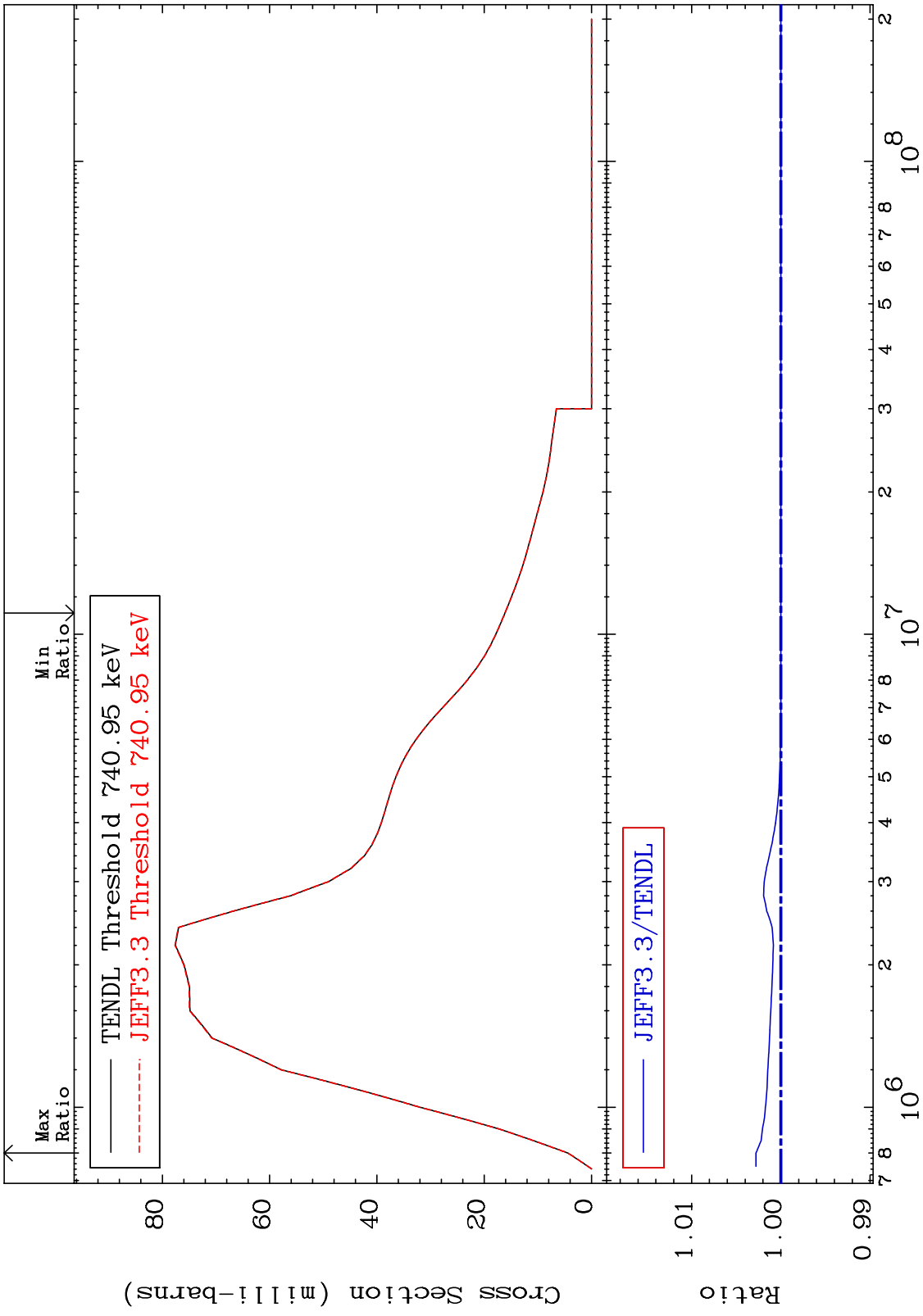
MAT 7825 MT= 51 (n,n') Level Cross Section 78-Pt-190 To 0.266 %



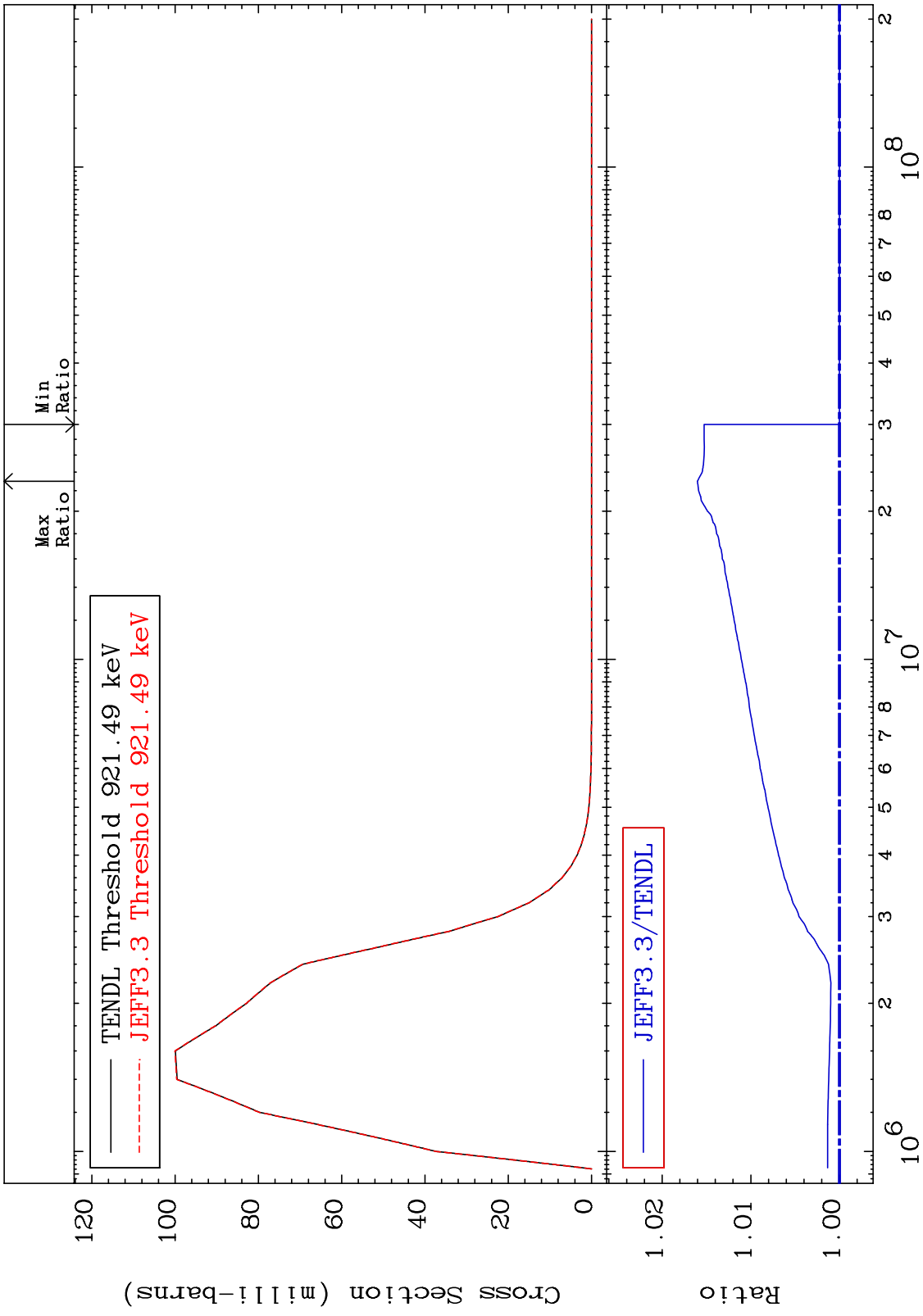
MAT 7825 MT= 52 (n,n') Level Cross Section 78-Pt-190 To 0.386 %



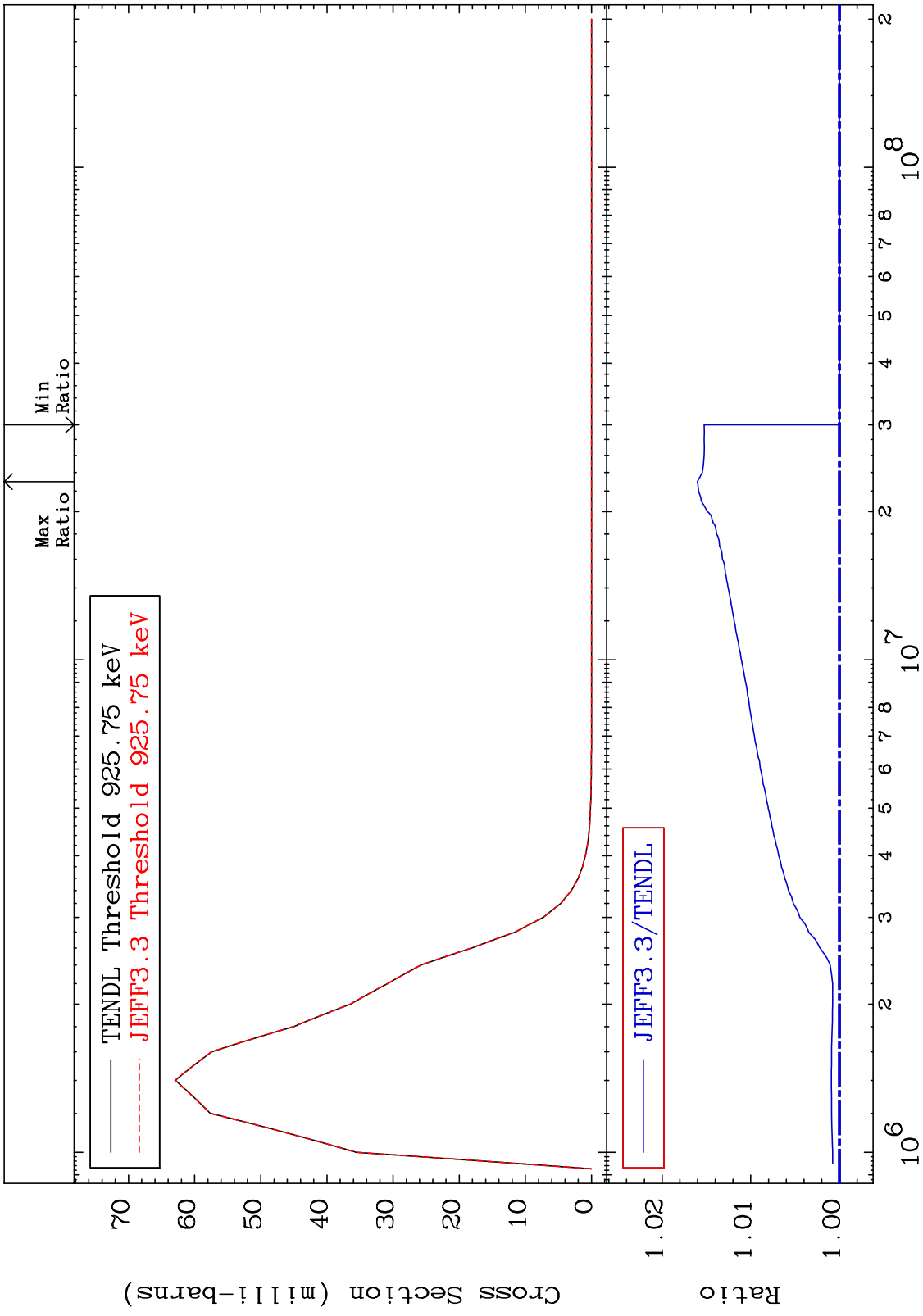
MAT 7825 MT= 53 (n,n') Level Cross Section 78-Pt-190 To 0.278 %



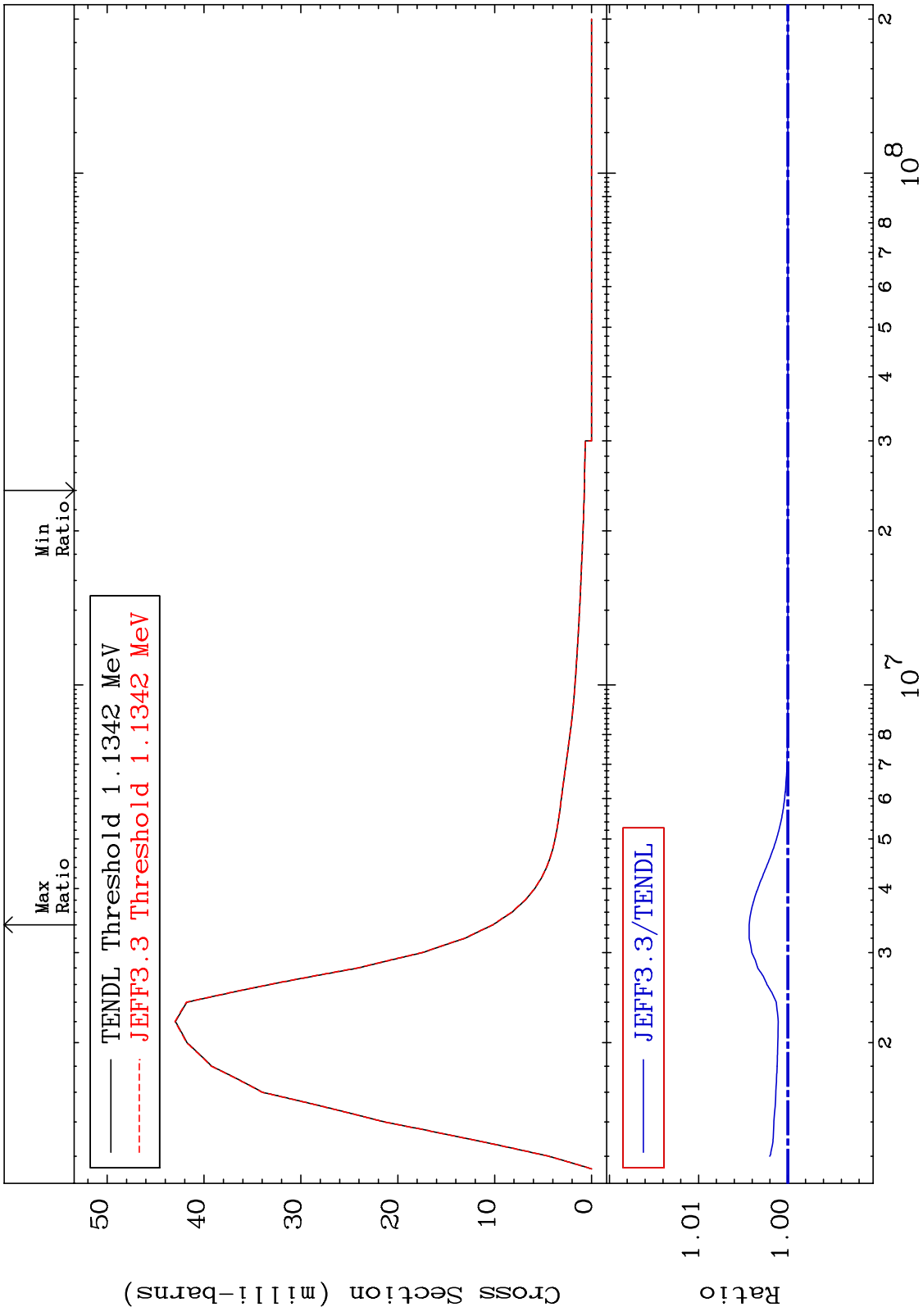
MAT 7825 MT= 54 (n,n') Level Cross Section 78-Pt-190 To 1.602 %



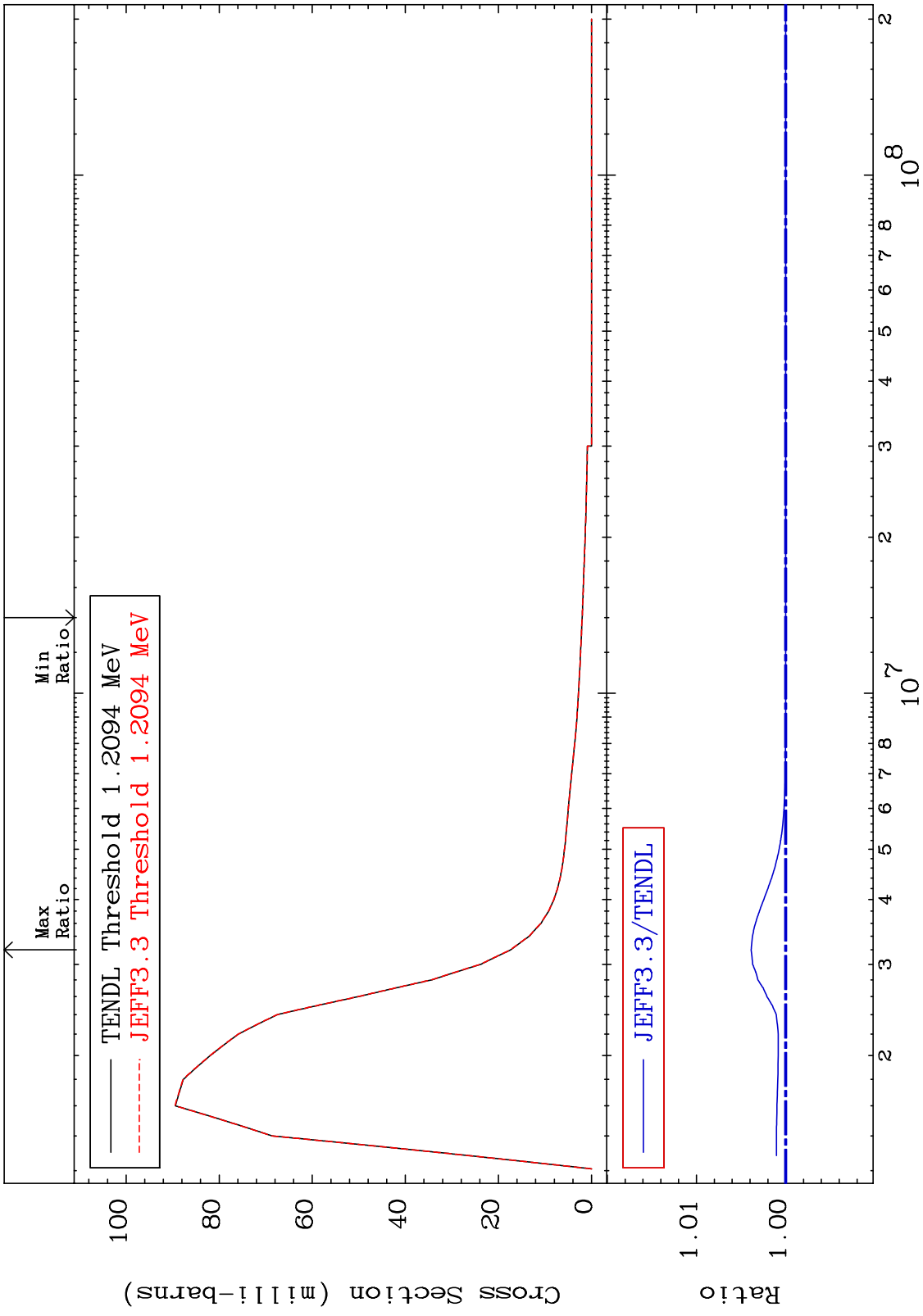
MAT 7825 MT= 55 (n,n') Level Cross Section 78-Pt-190 To 1.601 %



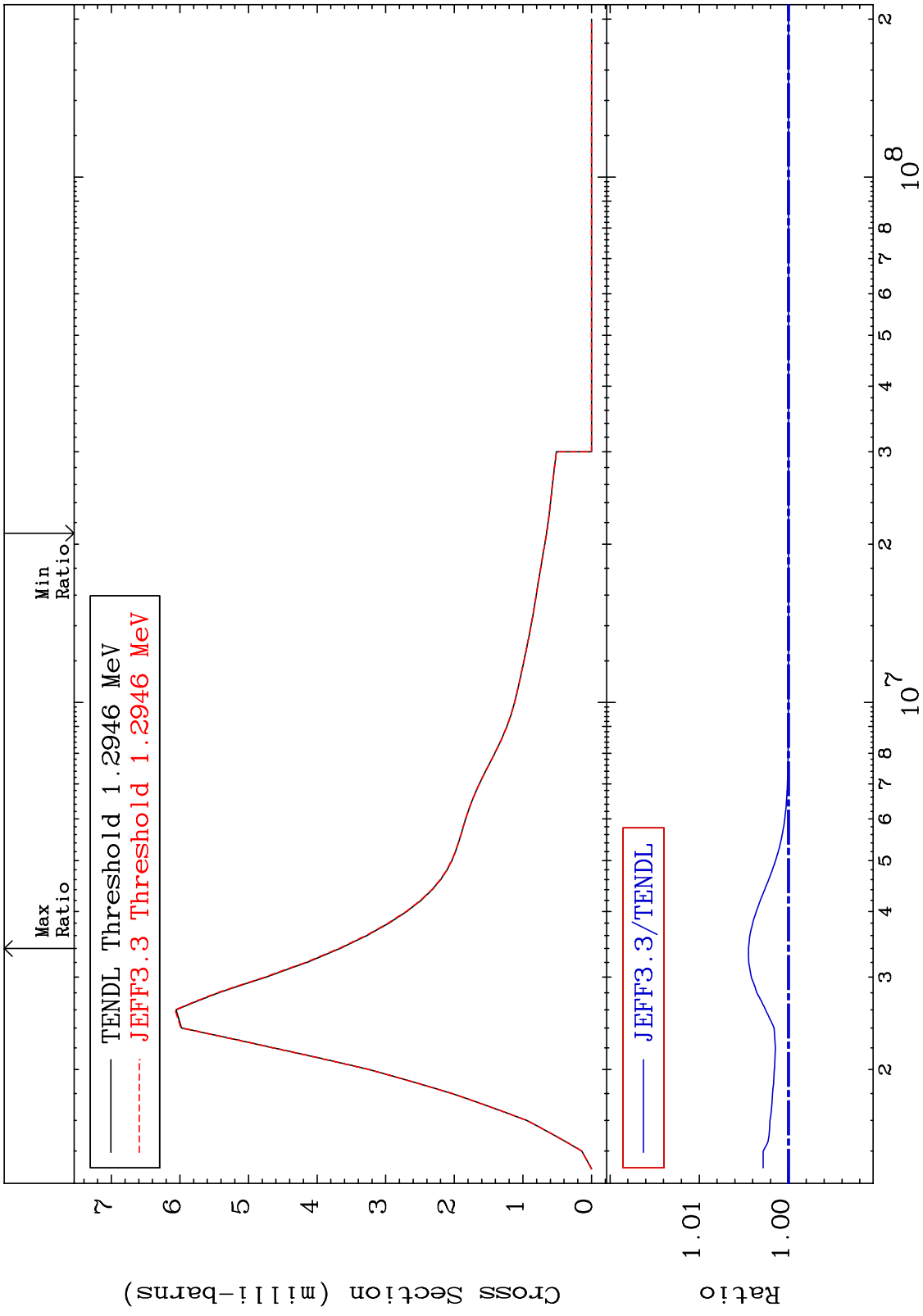
MAT 7825 MT= 56 (n,n') Level Cross Section 78-Pt-190 To 0.434 %



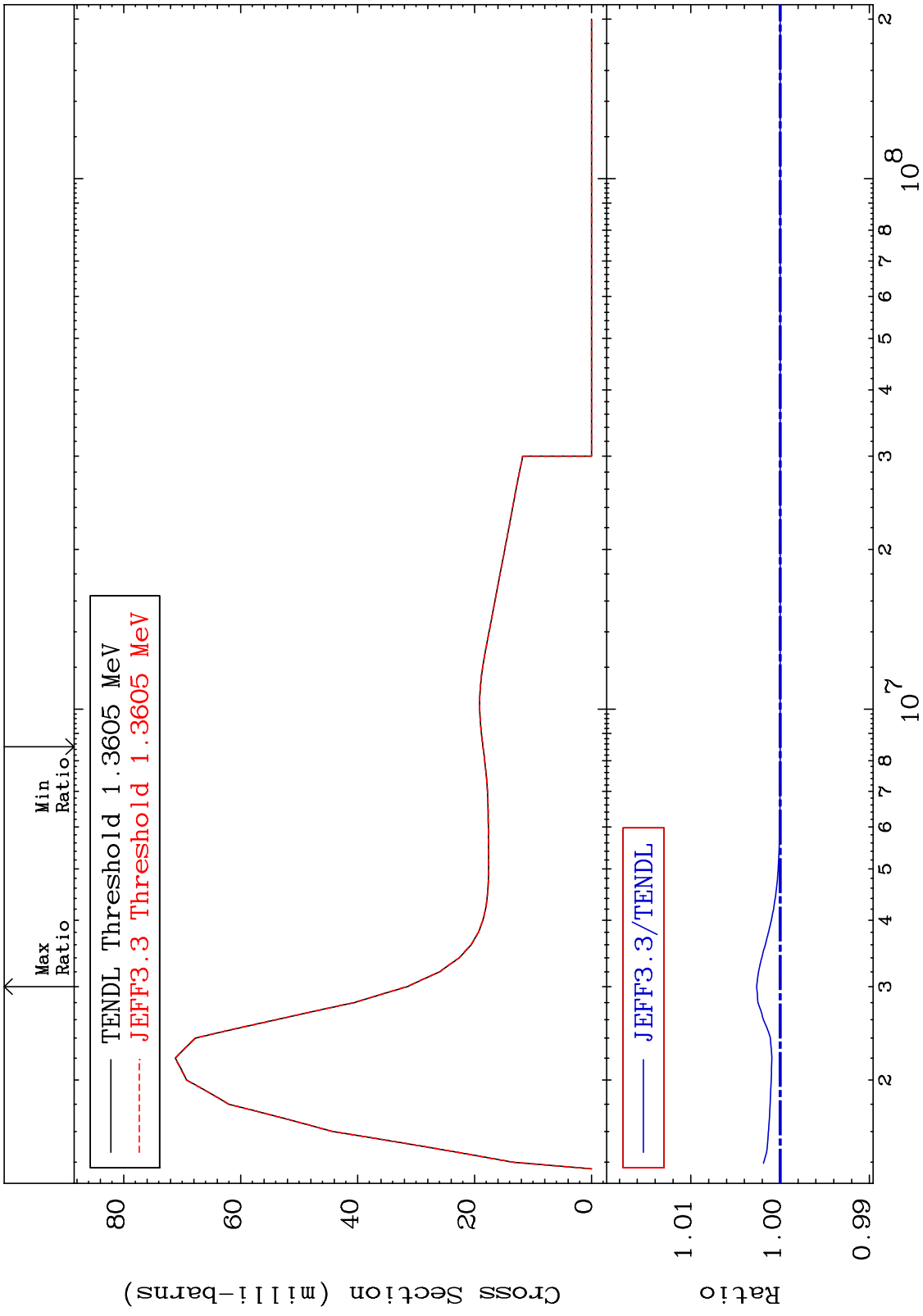
MAT 7825 MT= 57 (n,n') Level Cross Section 78-Pt-190 To 0.387 %



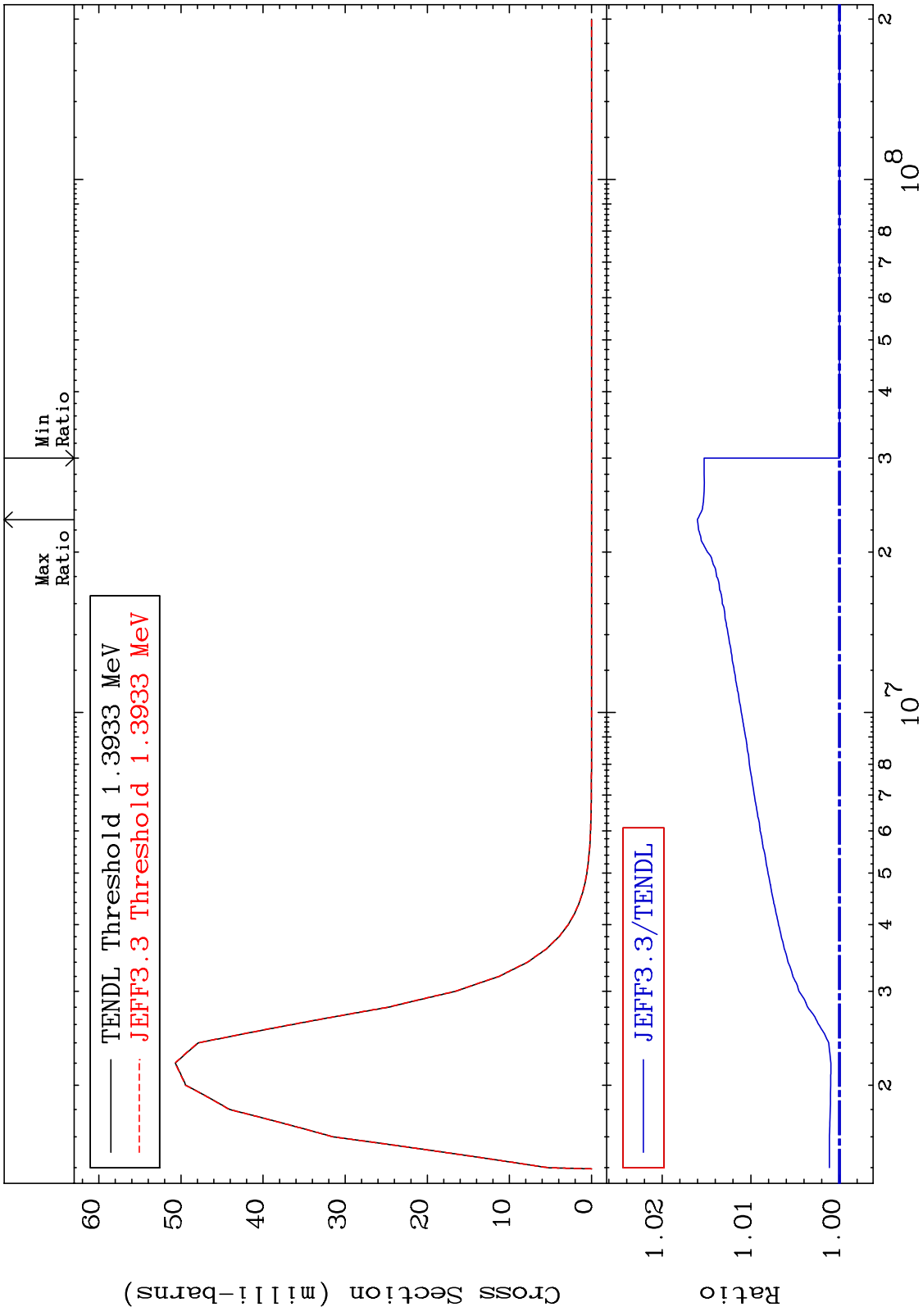
MAT 7825 MT= 58 (n, n') Level Cross Section 78-Pt-190 To 0.448 %



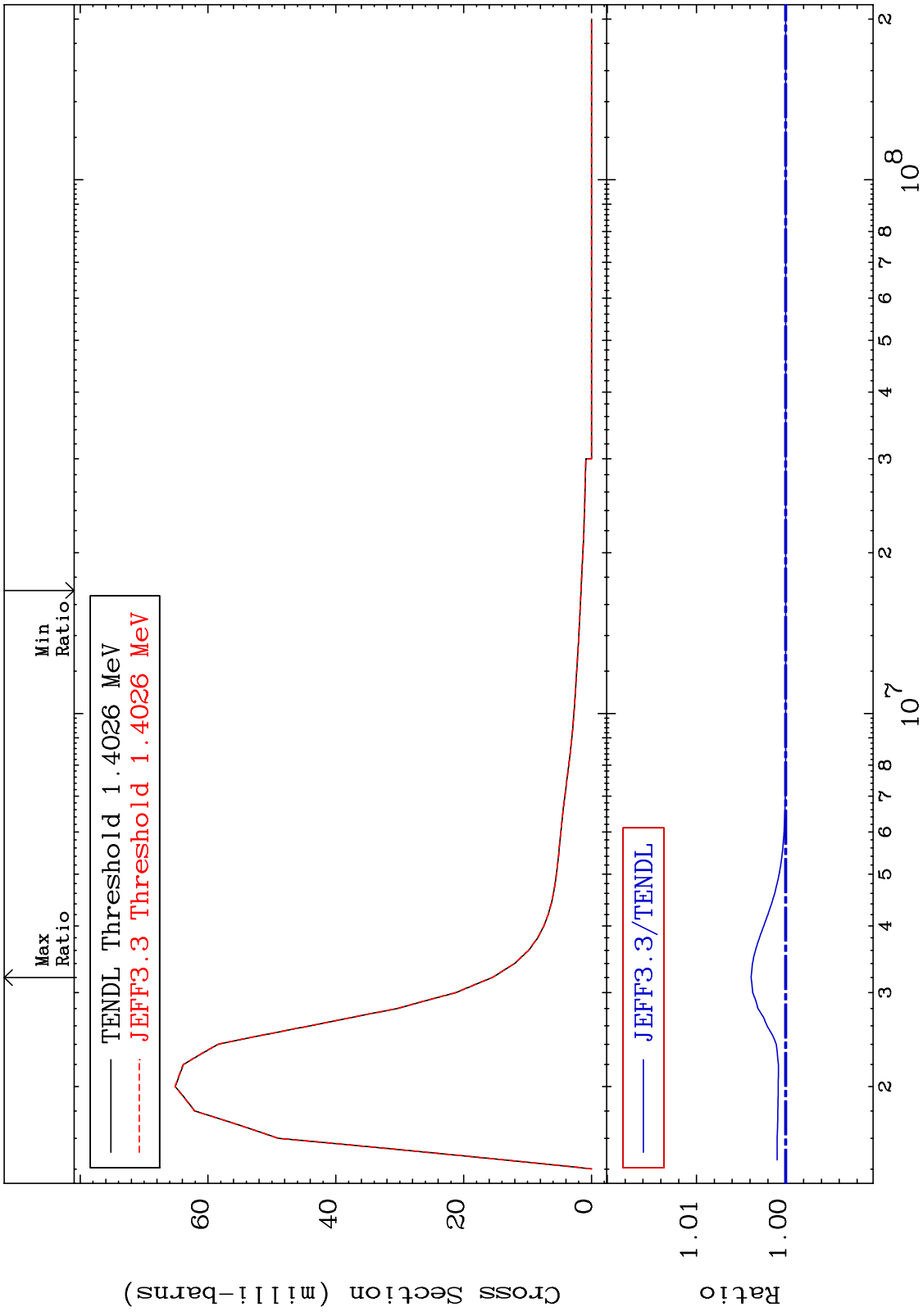
MAT 7825 MT= 59 (n,n') Level Cross Section 78-Pt-190 To 0.263 %



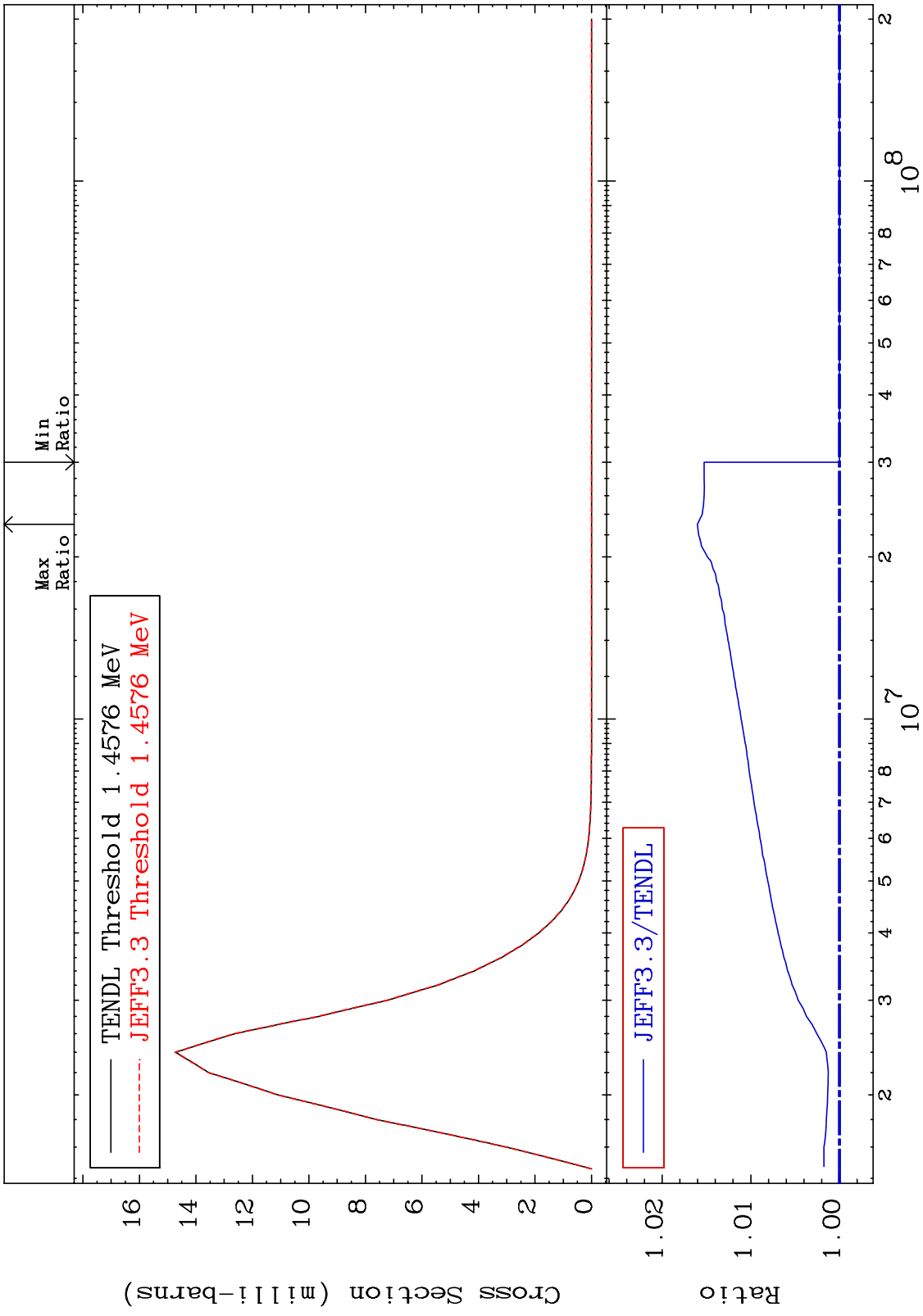
MAT 7825 MT= 60 (n,n') Level Cross Section 78-Pt-190 To 1.602 %



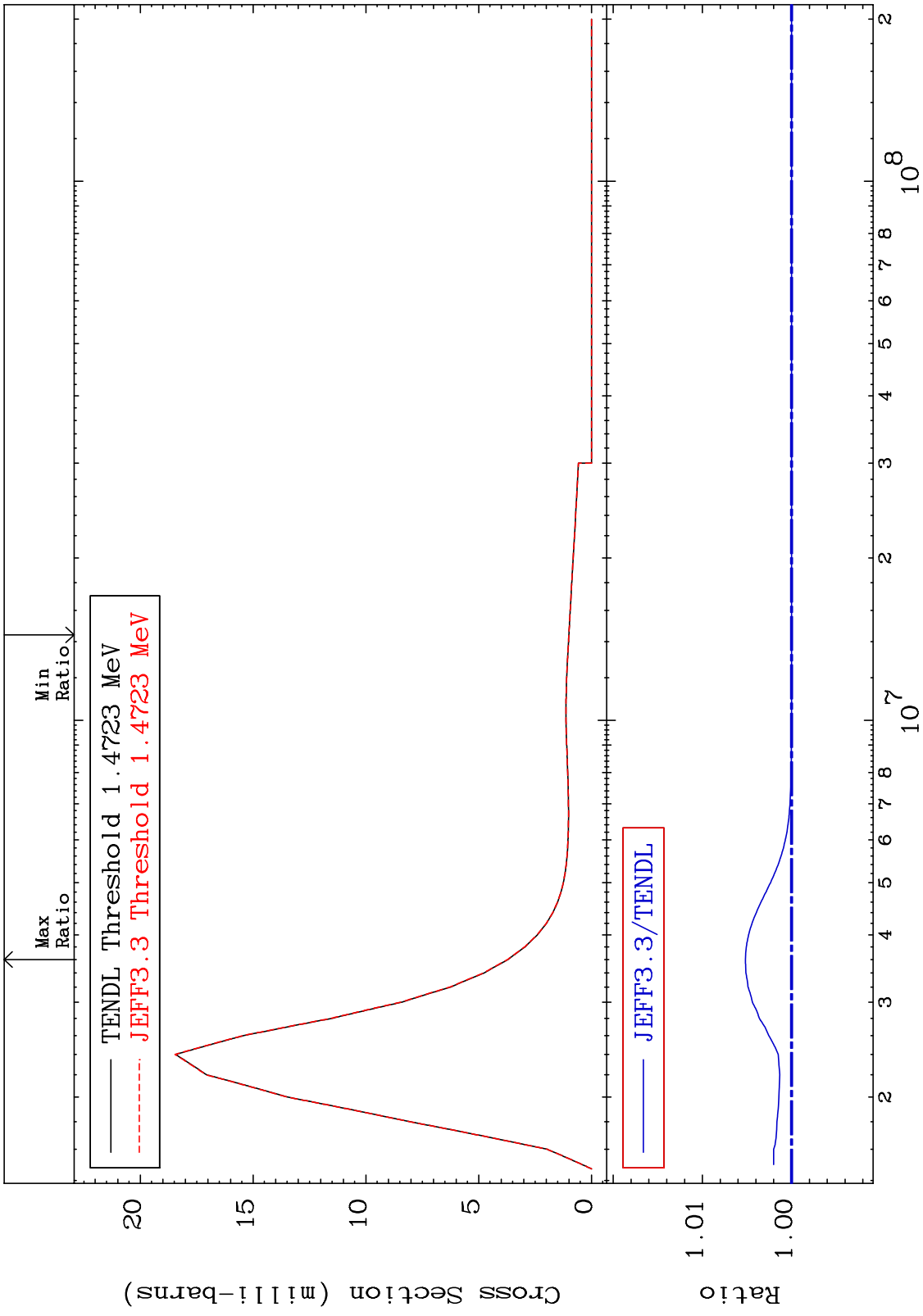
MAT 7825 MT= 61 (n,n') Level Cross Section 78-Pt-190 To 0.388 %



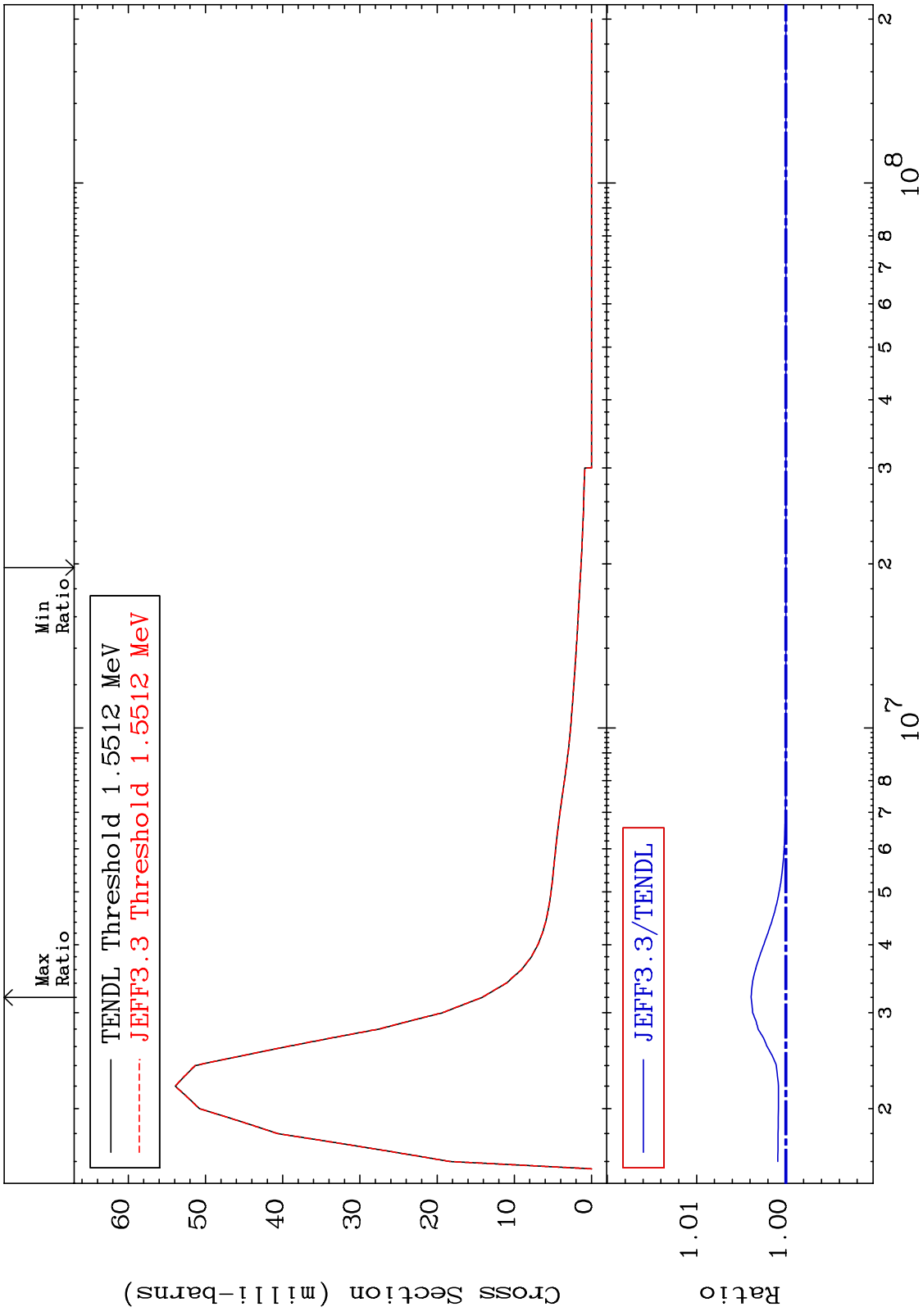
MAT 7825 MT= 62 (n,n') Level Cross Section 78-Pt-190 To 1.602 %



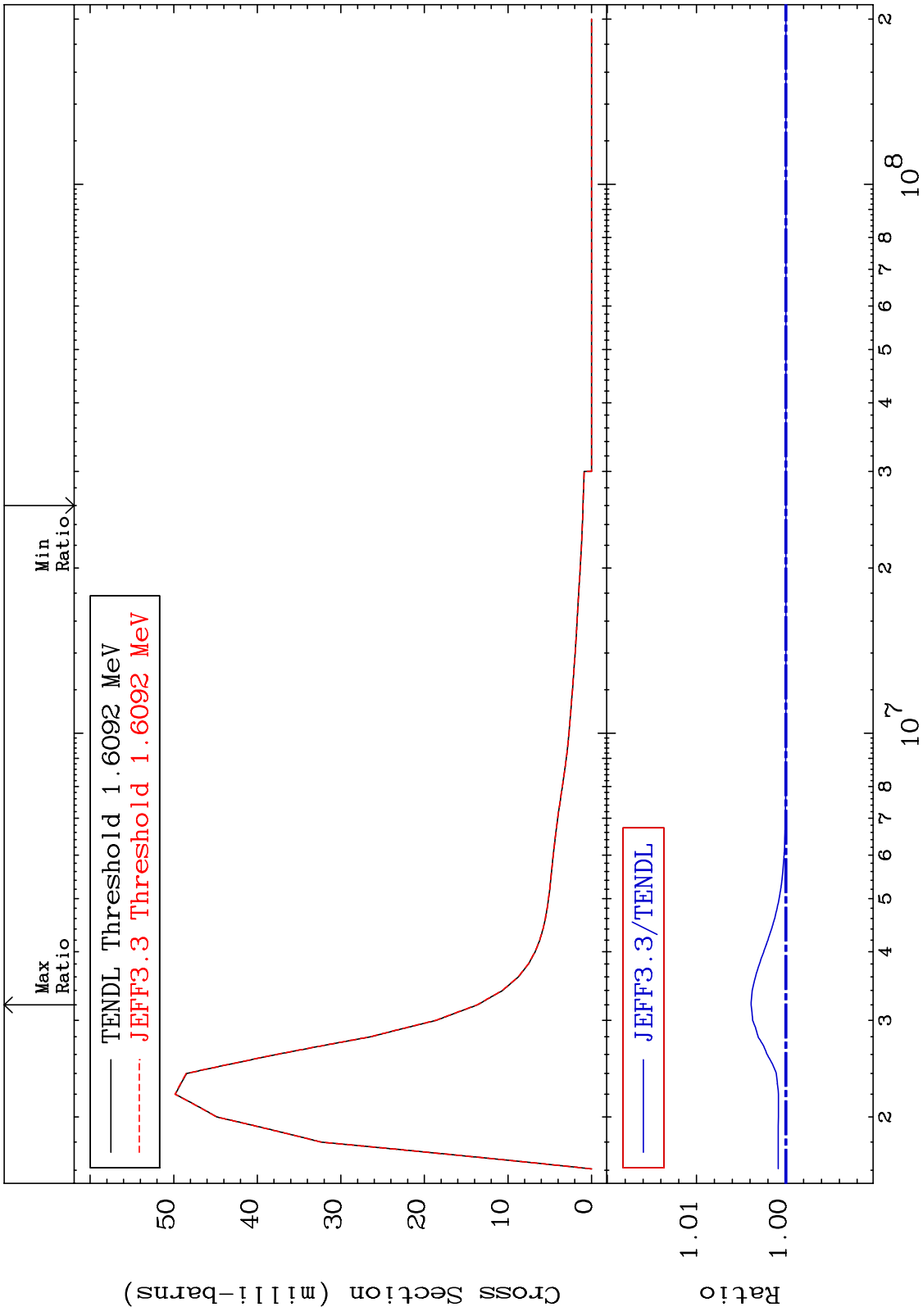
MAT 7825 MT= 63 (n,n') Level Cross Section 78-Pt-190 To 0.518 %



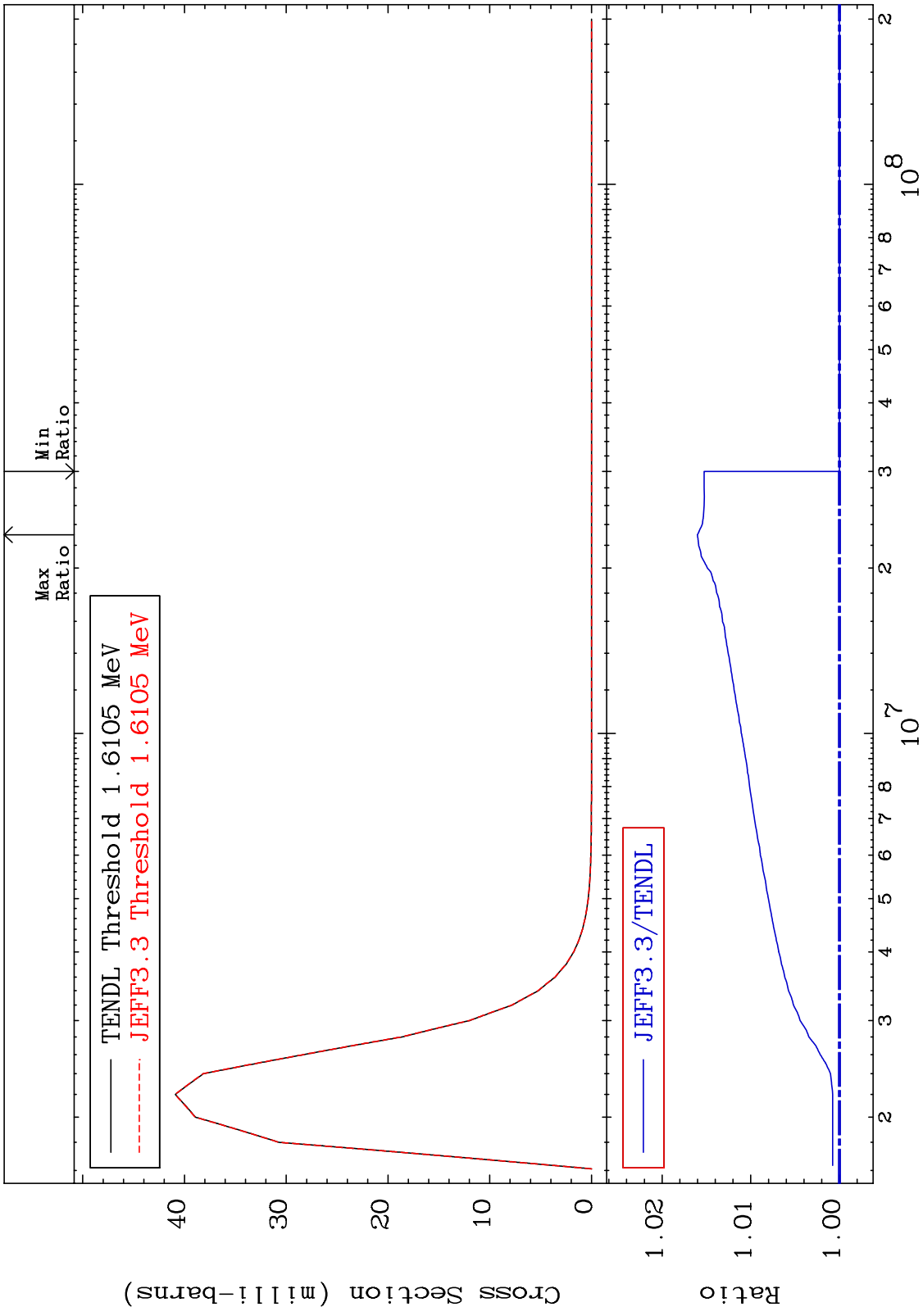
MAT 7825 MT= 64 (n,n') Level Cross Section 78-Pt-190 To 0.389 %



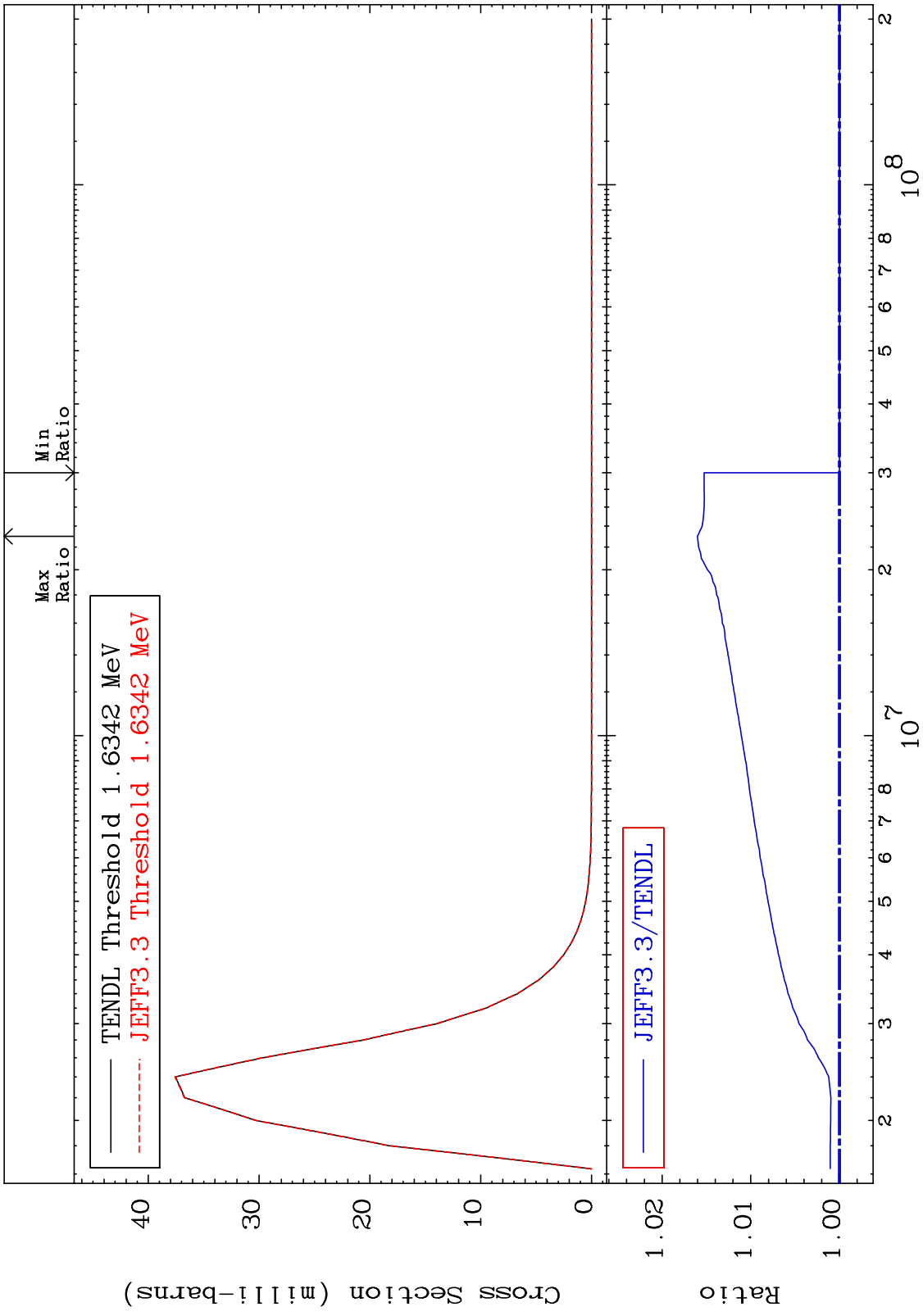
MAT 7825 MT= 65 (n,n') Level Cross Section 78-Pt-190 To 0.390 %



MAT 7825 MT= 66 (n,n') Level Cross Section 78-Pt-190 To 1.601 %

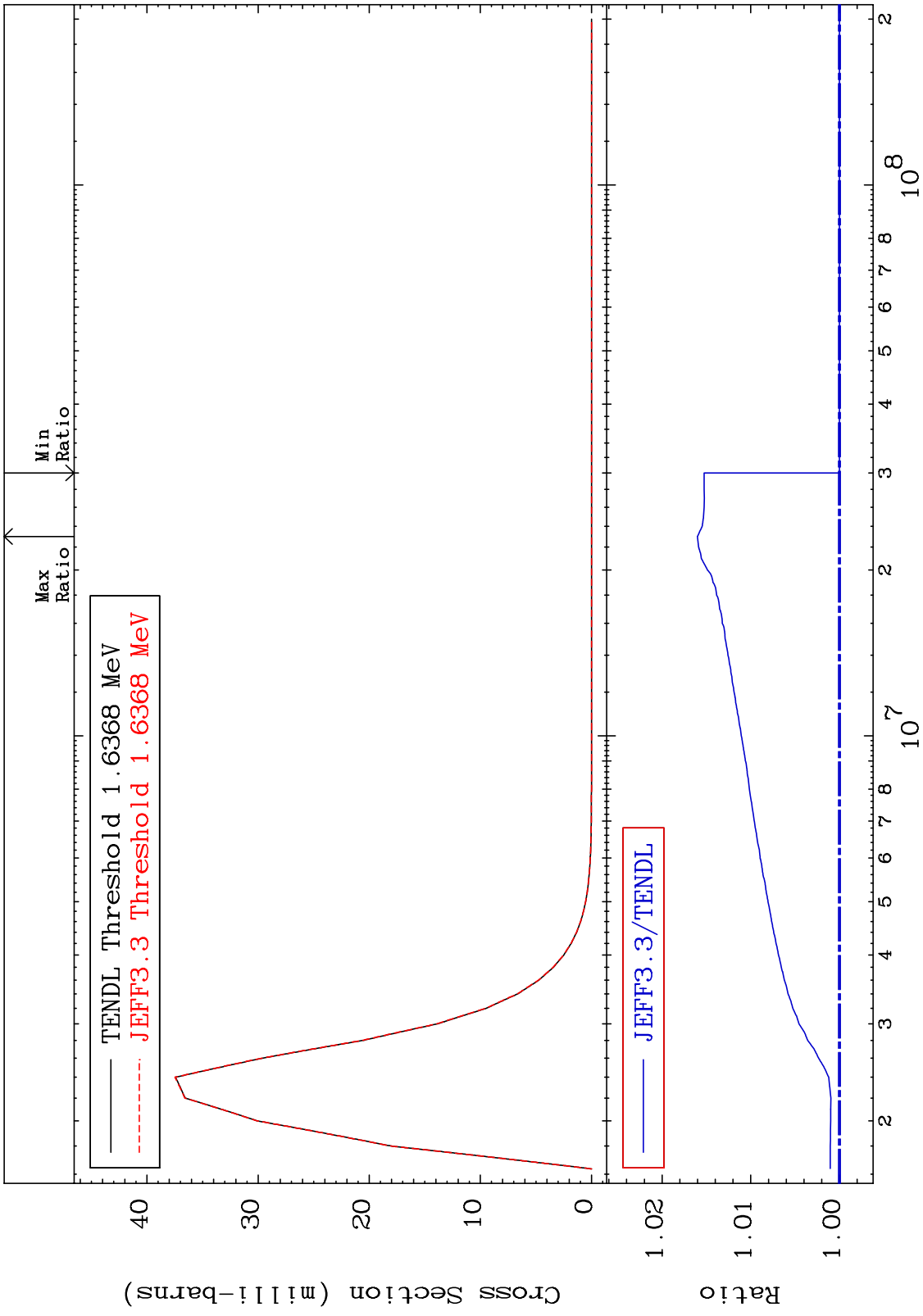


MAT 7825 MT= 67 (n, n') Level Cross Section 78-Pt-190 To 1.602 %

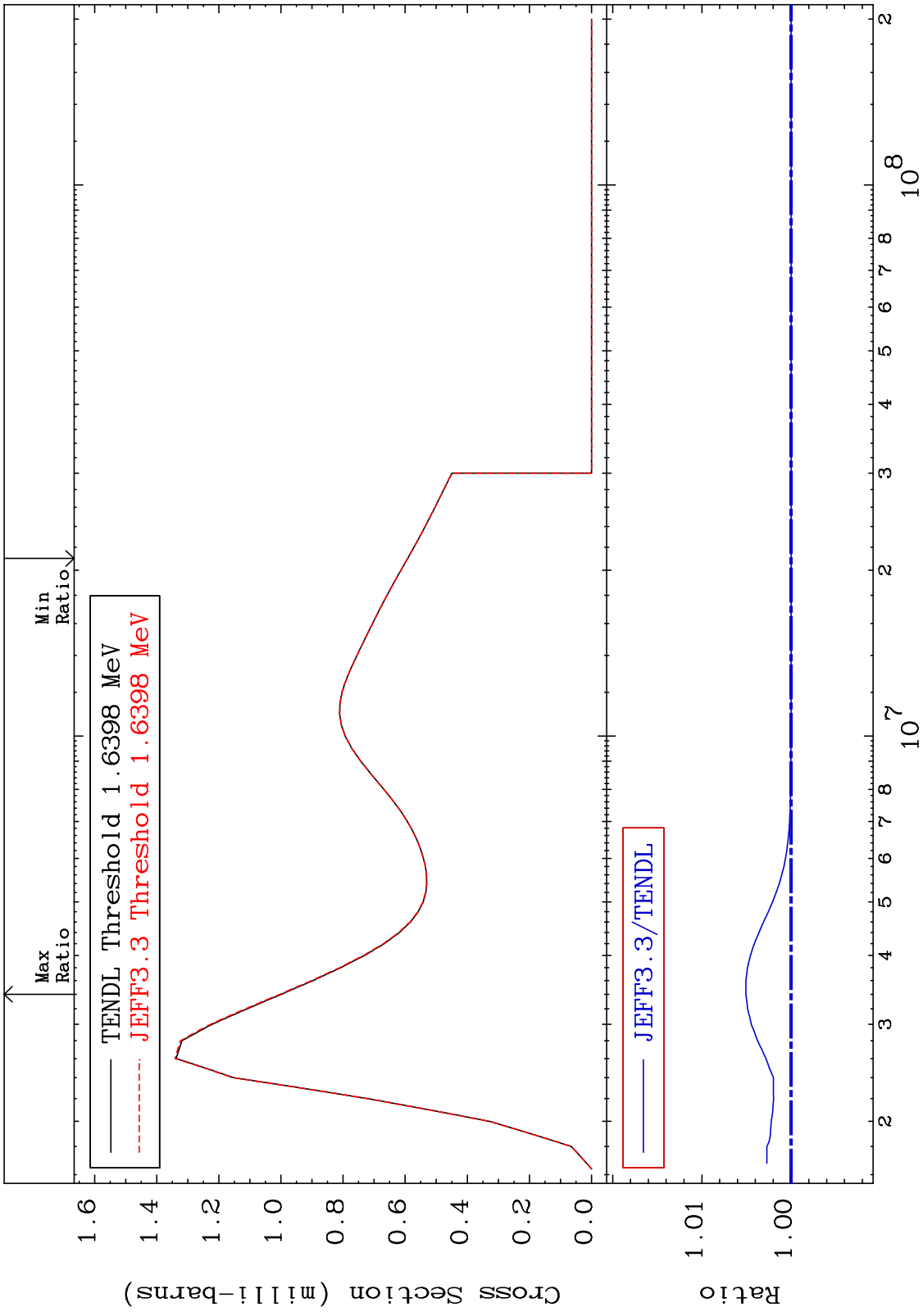


36 78-Pt-190

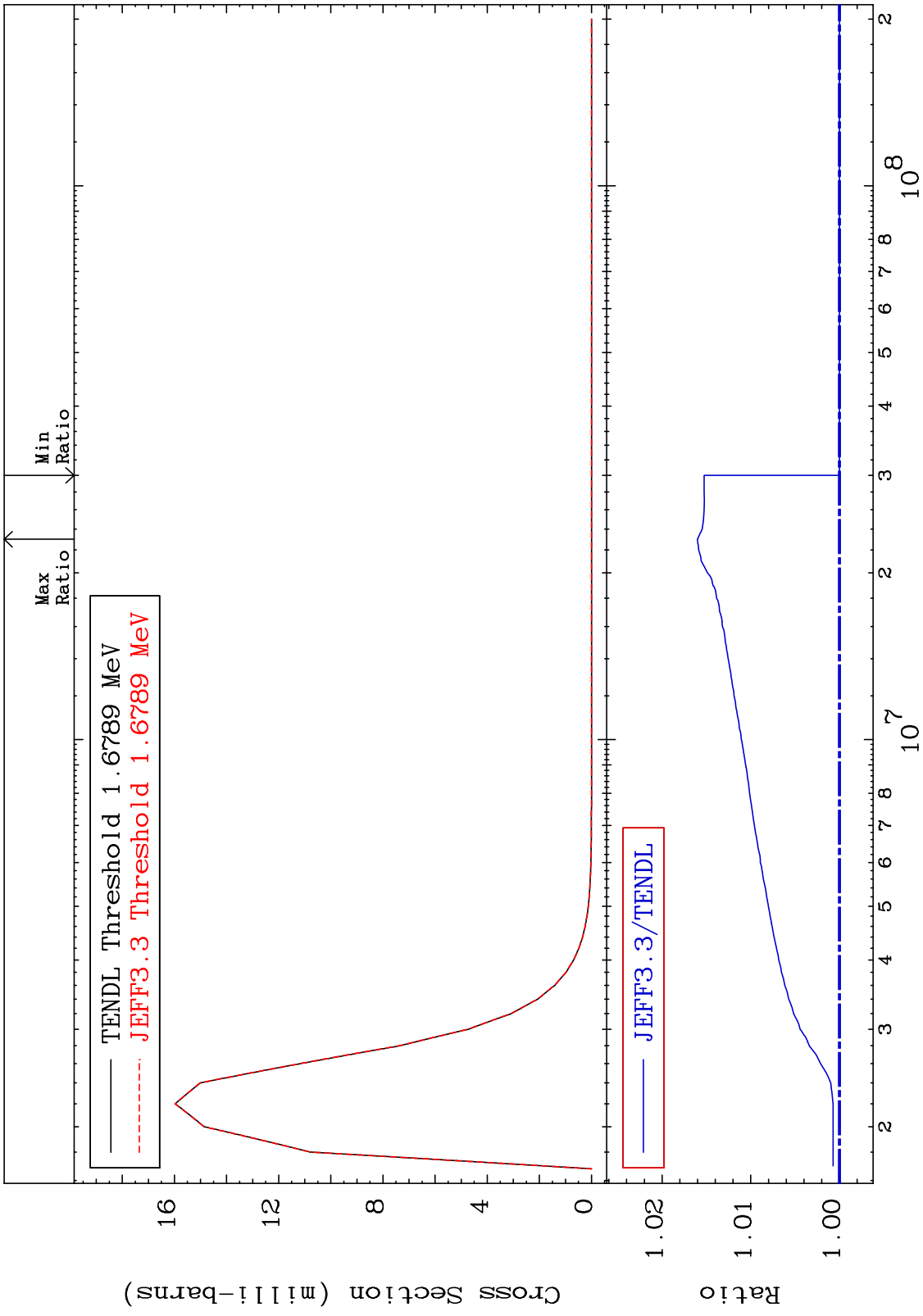
MAT 7825 MT= 68 (n, n') Level Cross Section 78-Pt-190 To 1.602 %



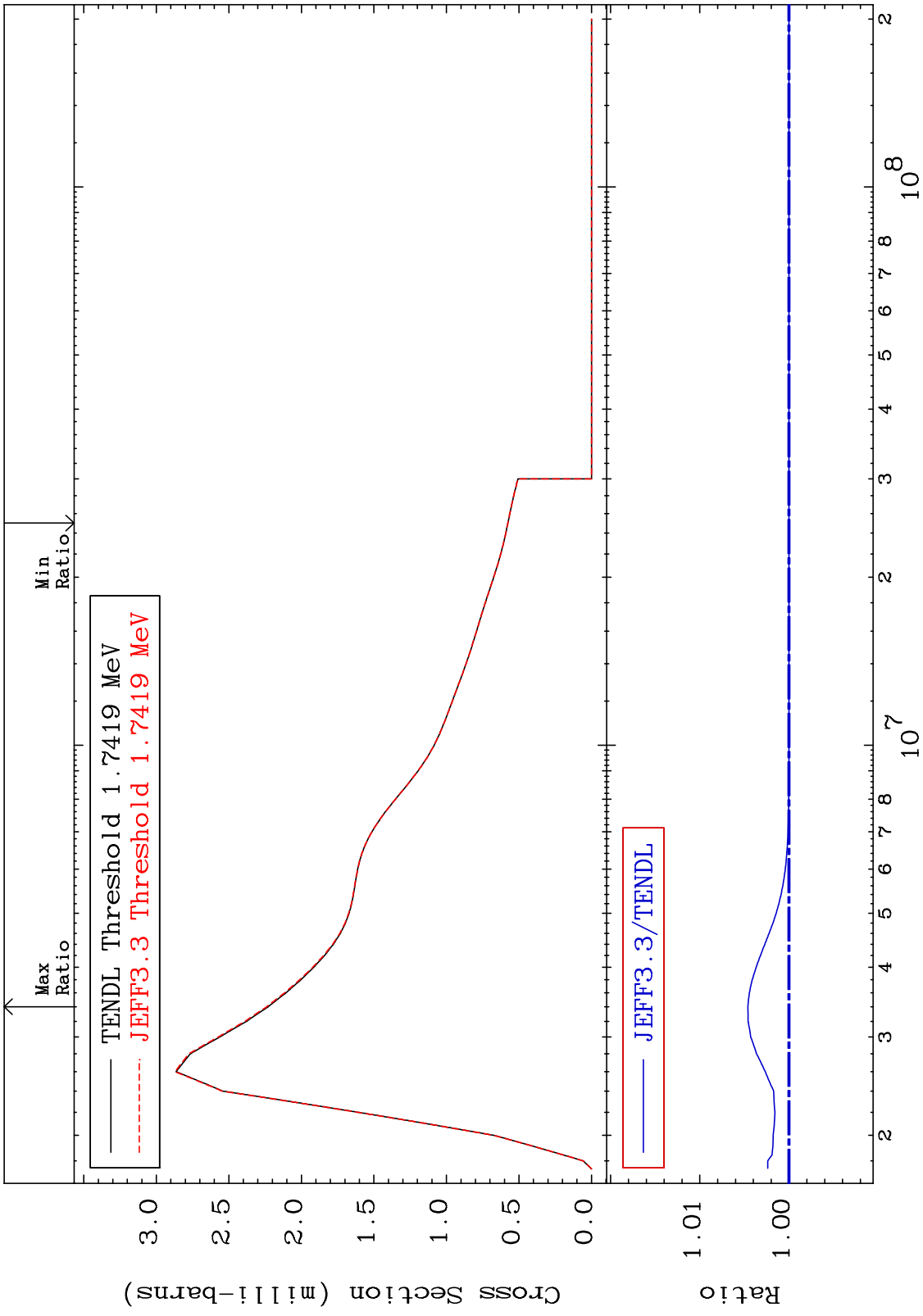
MAT 7825 MT= 69 (n,n') Level Cross Section 78-Pt-190 To 0.507 %



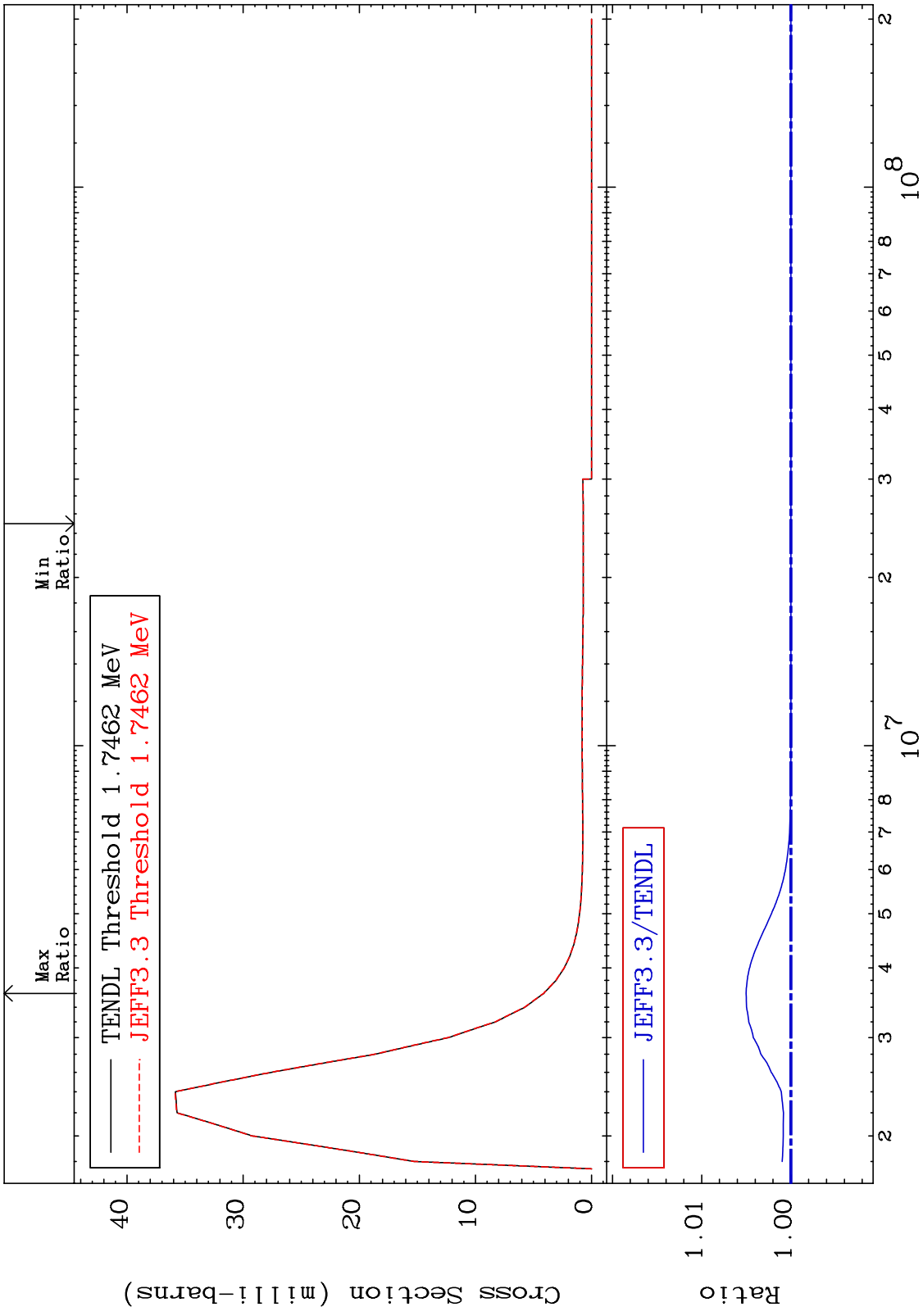
MAT 7825 MT= 70 (n,n') Level Cross Section 78-Pt-190 To 1.601 %



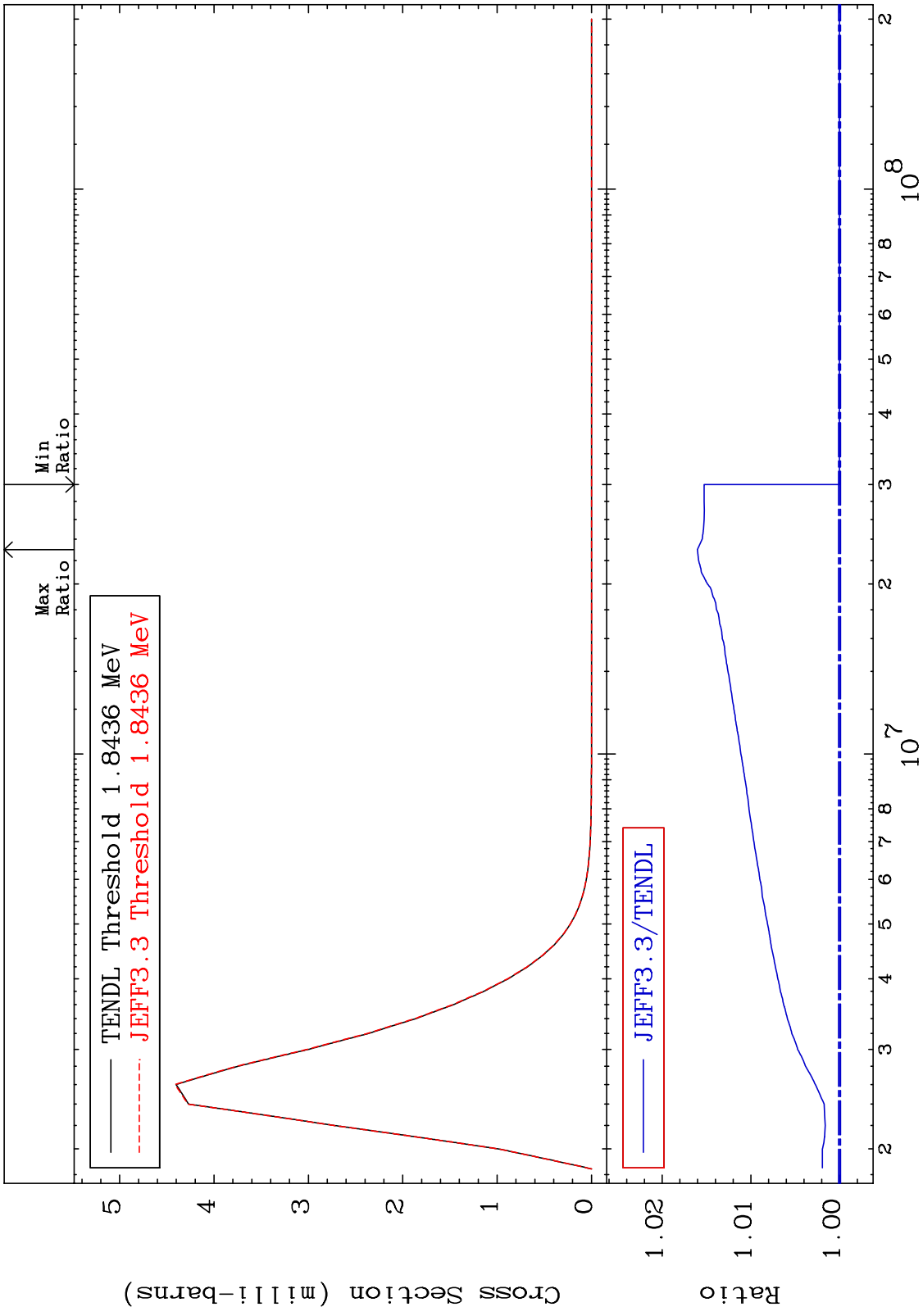
MAT 7825 MT= 71 (n,n') Level Cross Section 78-Pt-190 To 0.462 %



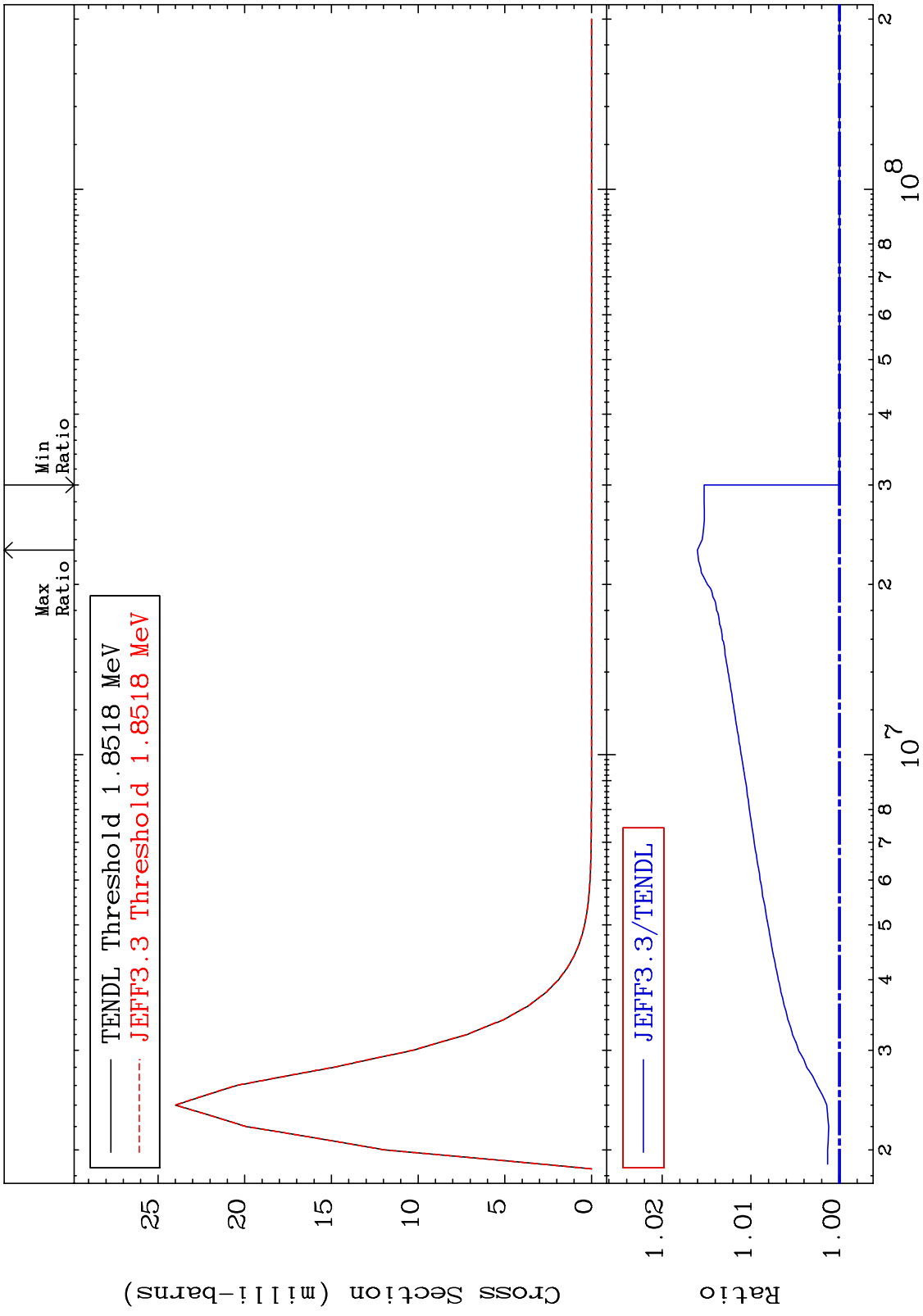
MAT 7825 MT= 72 (n,n') Level Cross Section 78-Pt-190 To 0.503 %



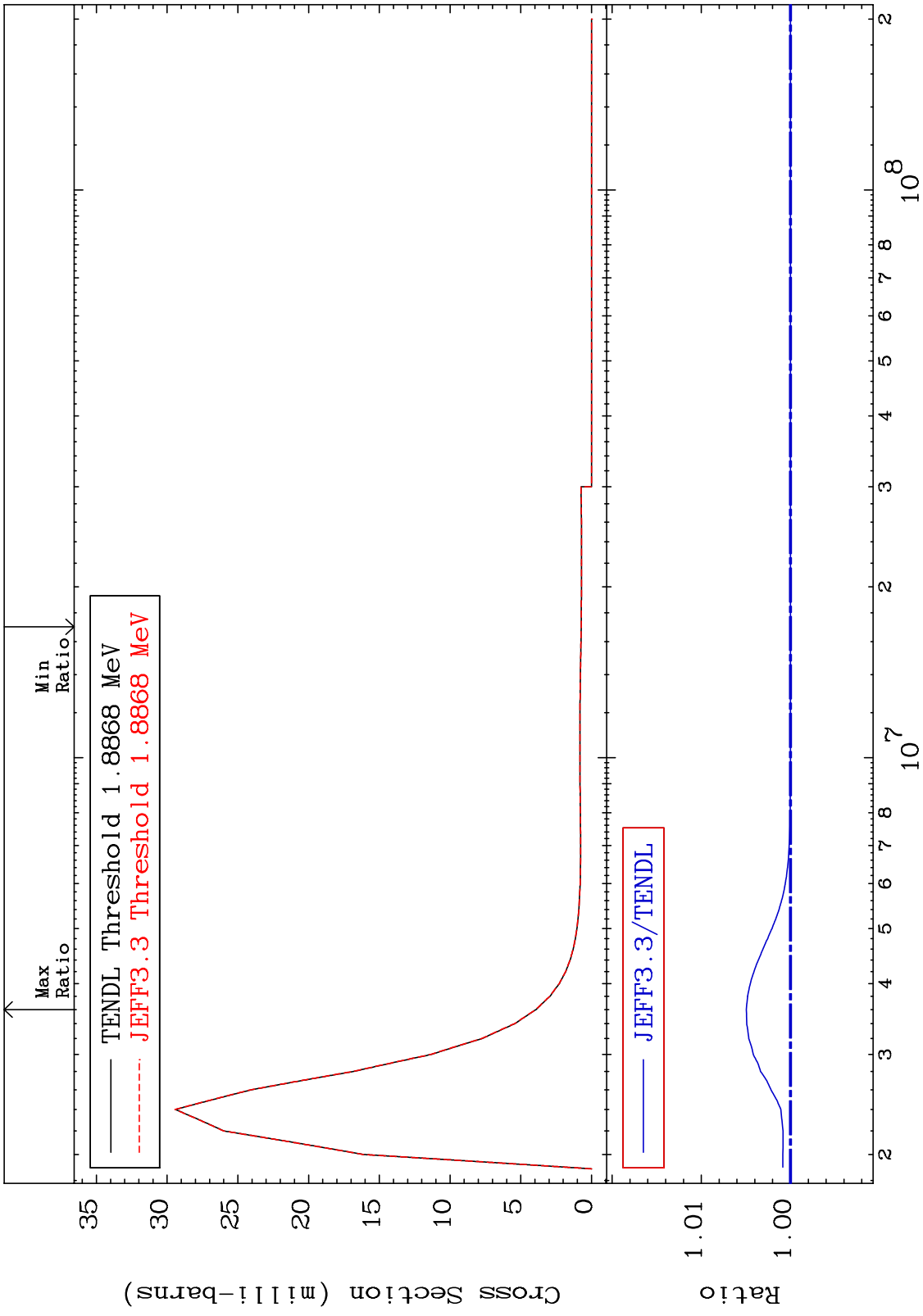
MAT 7825 MT= 73 (n,n') Level Cross Section 78-Pt-190 To 1.603 %



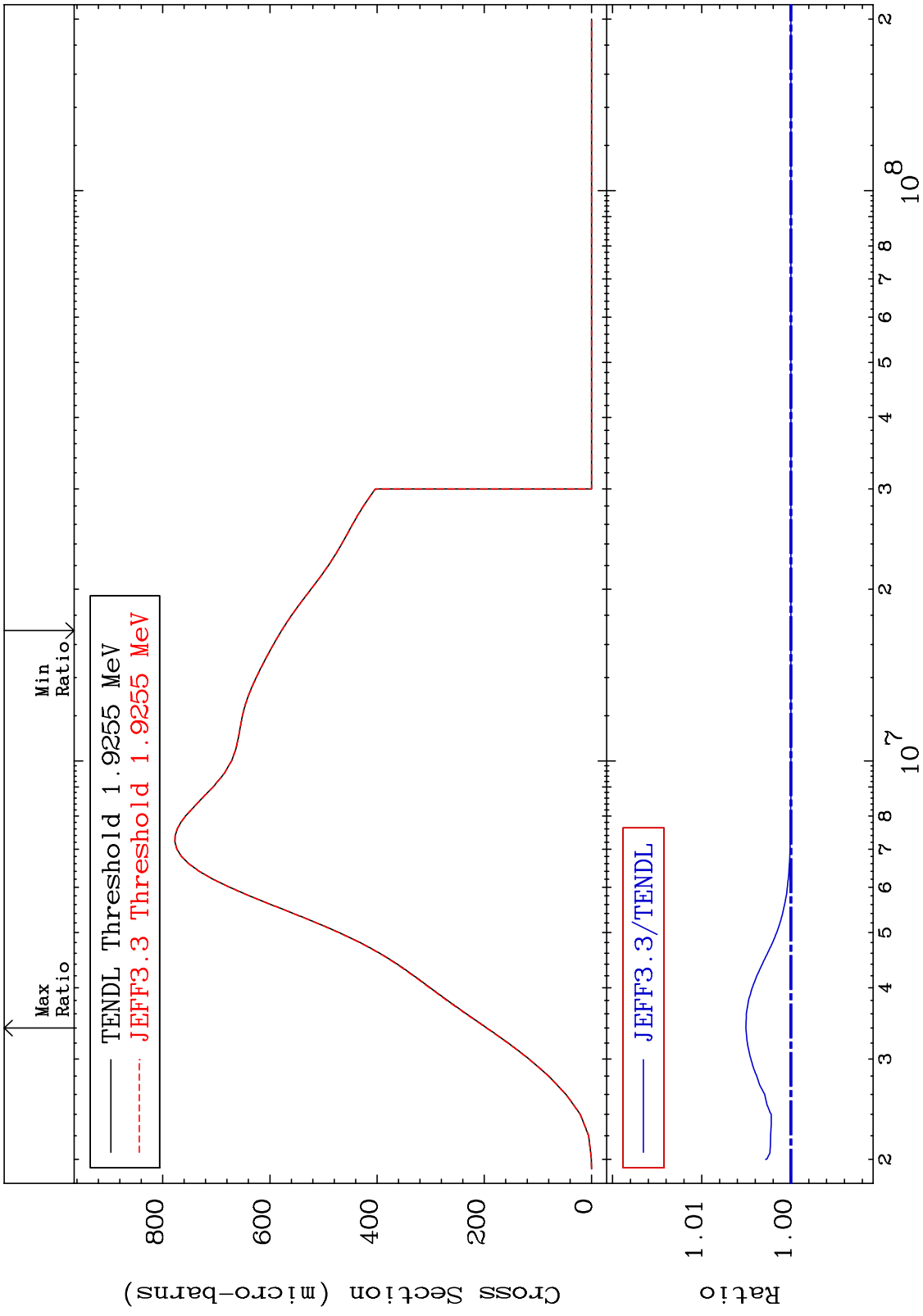
MAT 7825 MT= 74 (n,n') Level Cross Section 78-Pt-190 To 1.602 %



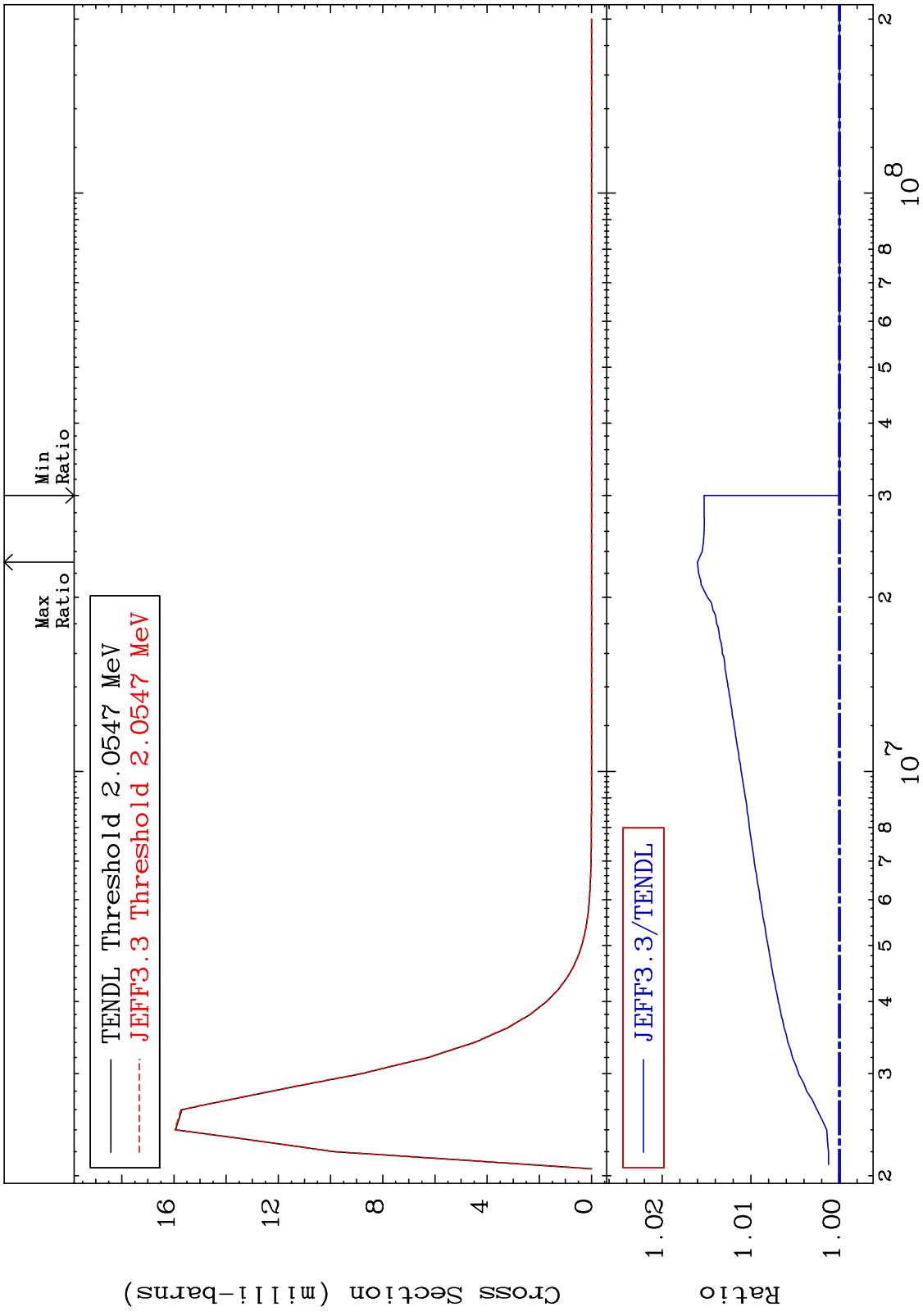
MAT 7825 MT= 75 (n,n') Level Cross Section 78-Pt-190 To 0.494 %



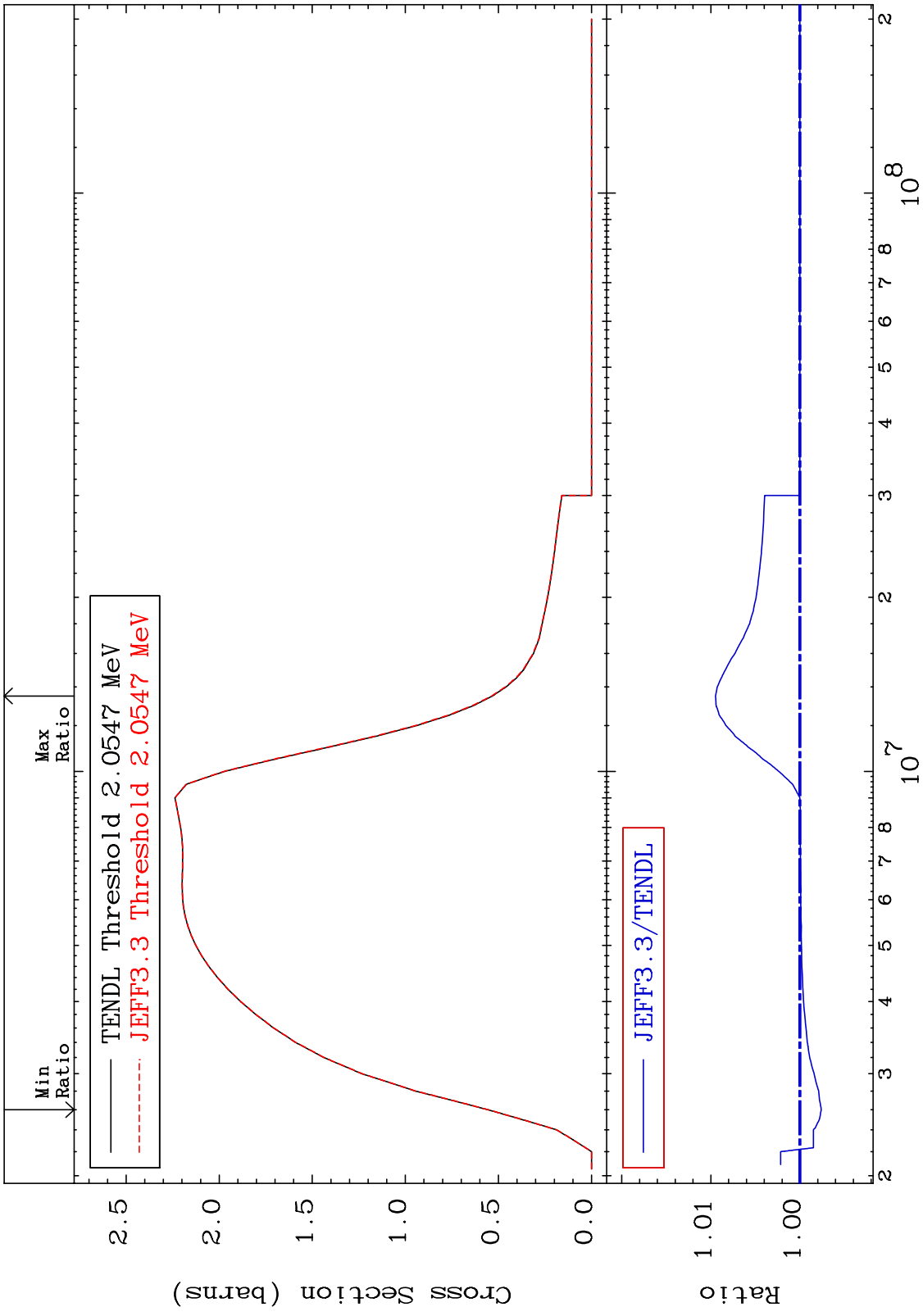
MAT 7825 MT= 76 (n,n') Level Cross Section 78-Pt-190 To 0.505 %



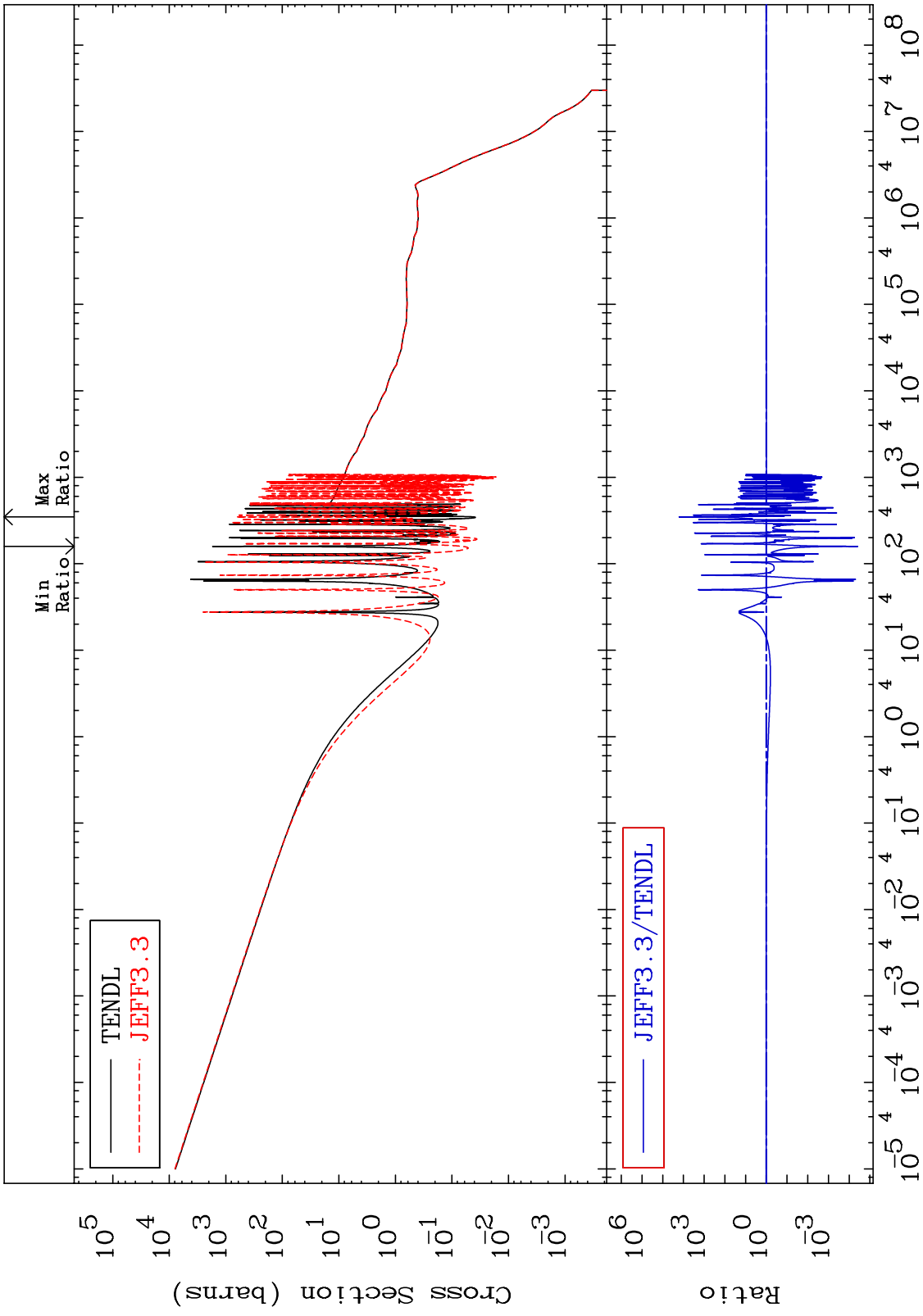
MAT 7825 MT= 77 (n,n') Level Cross Section 78-Pt-190 To 1.603 %



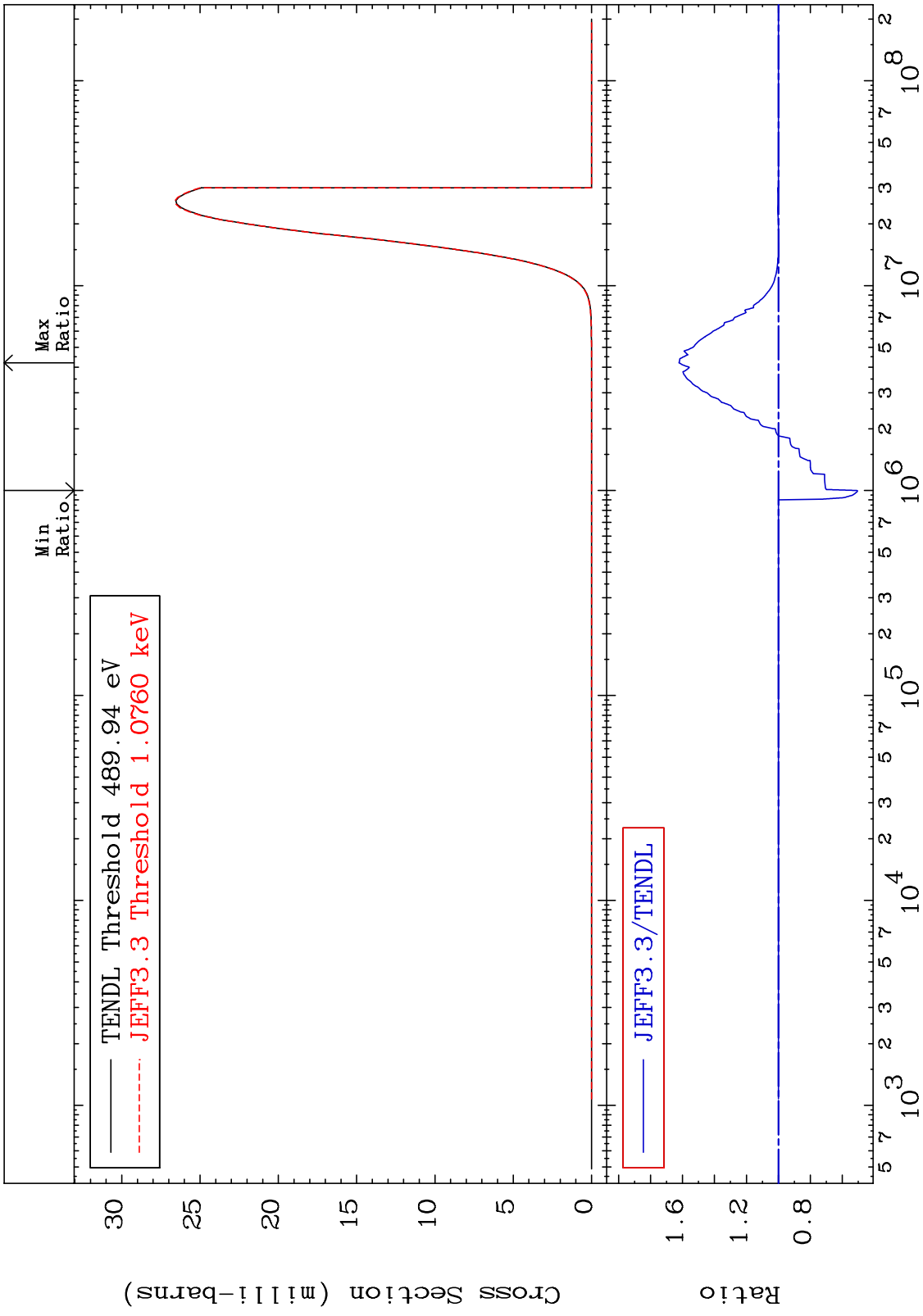
MAT 7825 (n, n') Continuum Cross Section 78-Pt-190
 -0.240 To 0.947 %



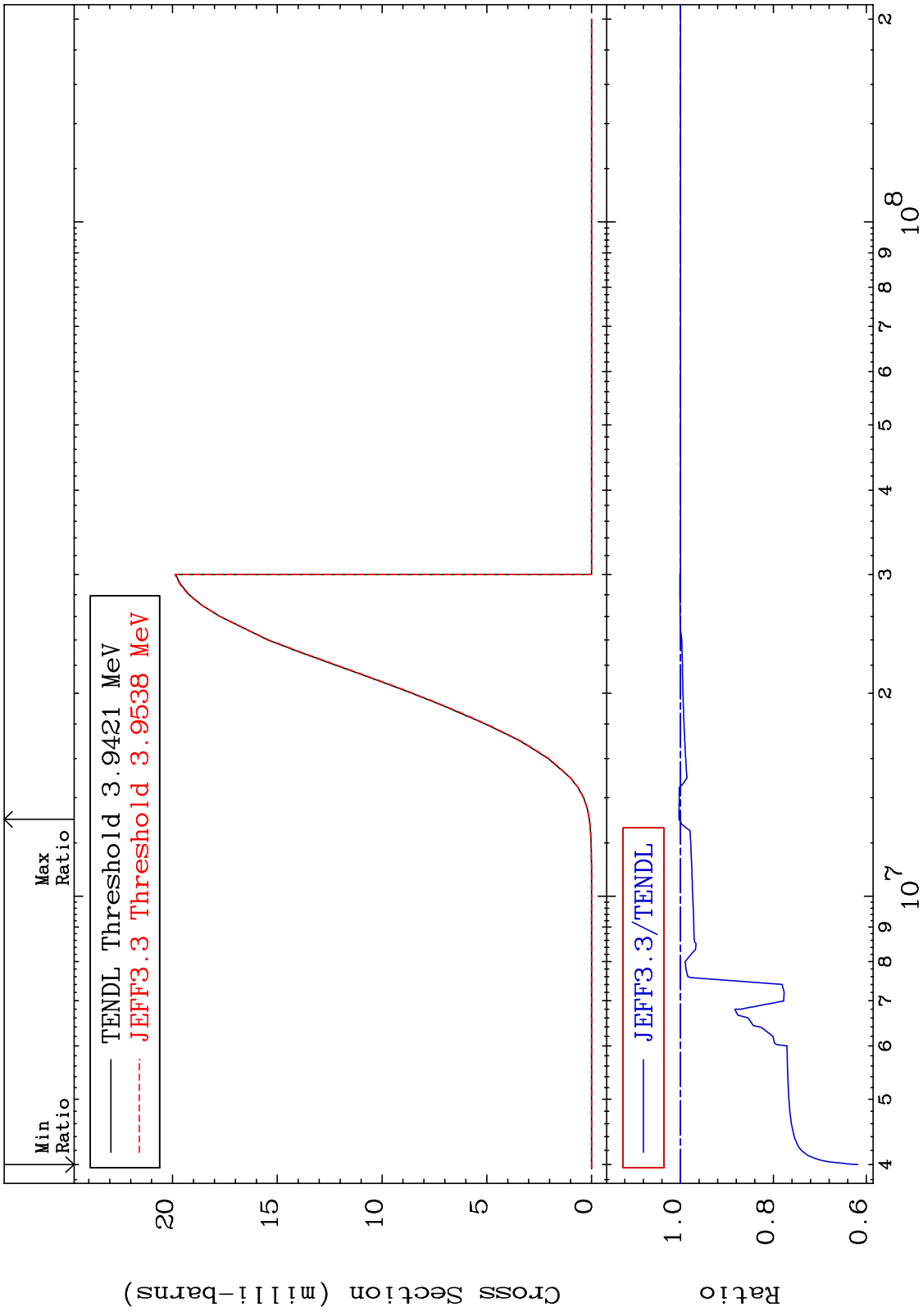
MAT 7825 78-Pt-190
-100.0 To 9999. %
 (n, γ)
 Cross Section



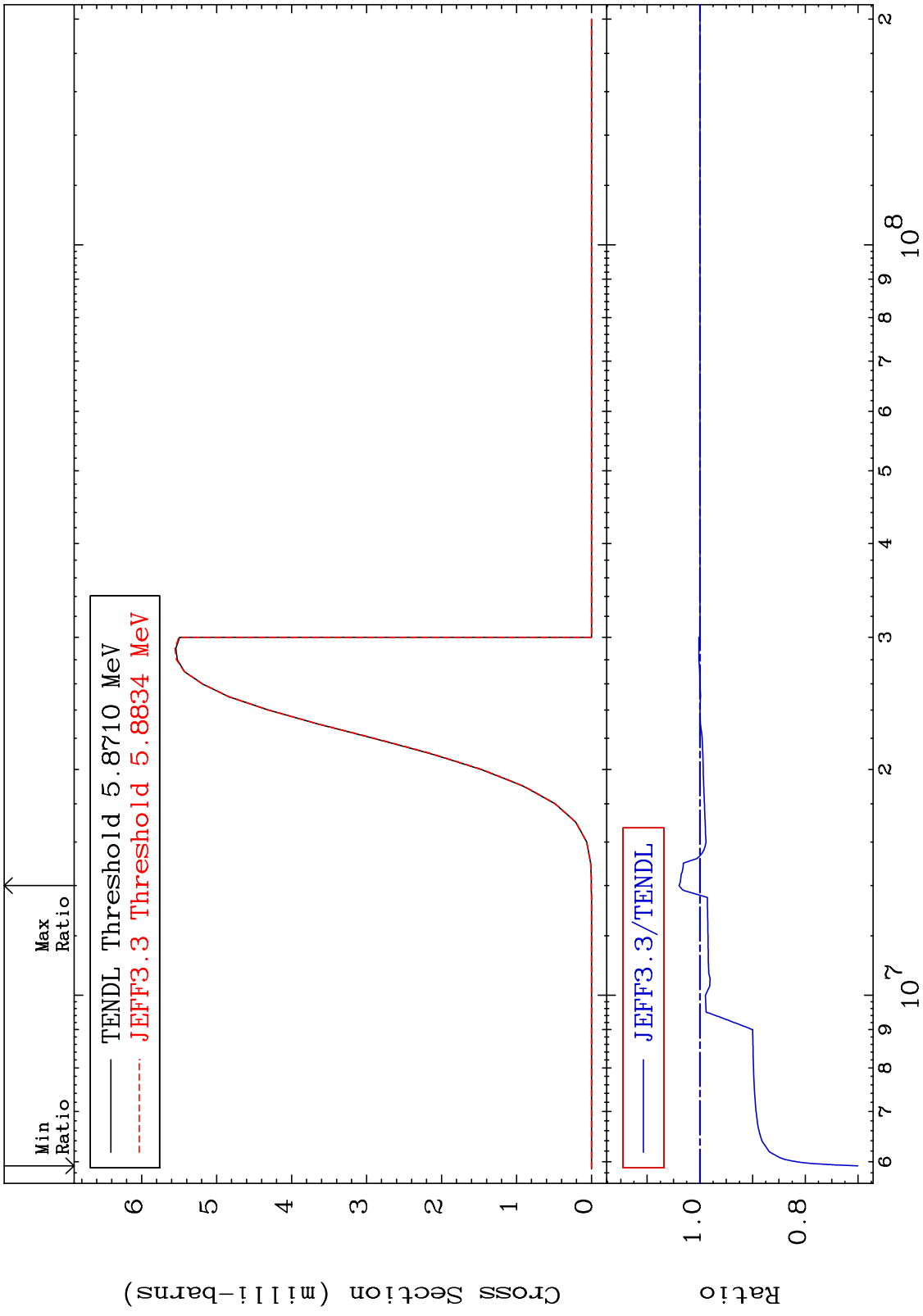
MAT 7825 (n,p) Cross Section 78-Pt-190
-49.70 To 62.15 %



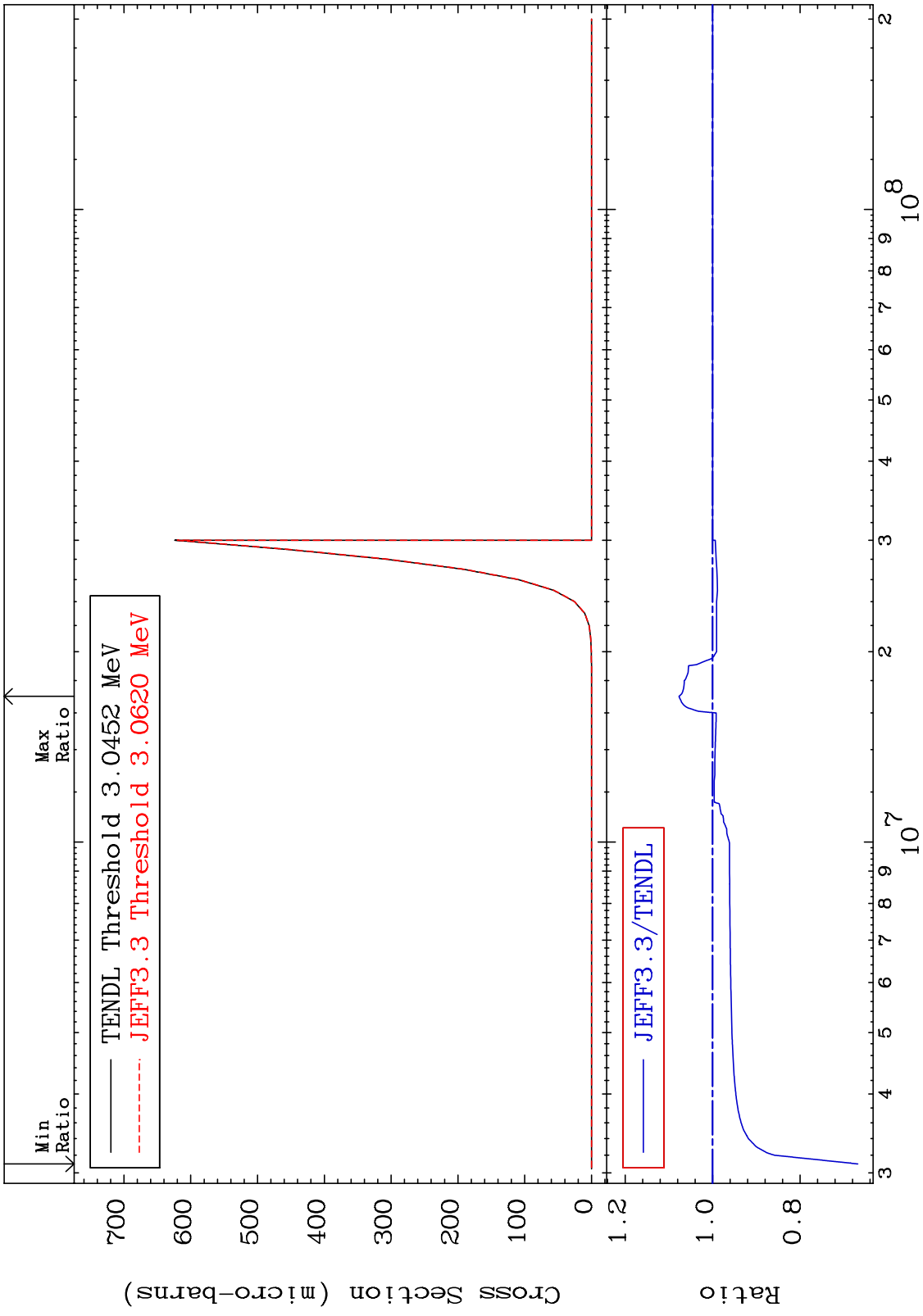
MAT 7825 (n,d) 78-Pt-190
 Cross Section -38.18 To 0.320 %



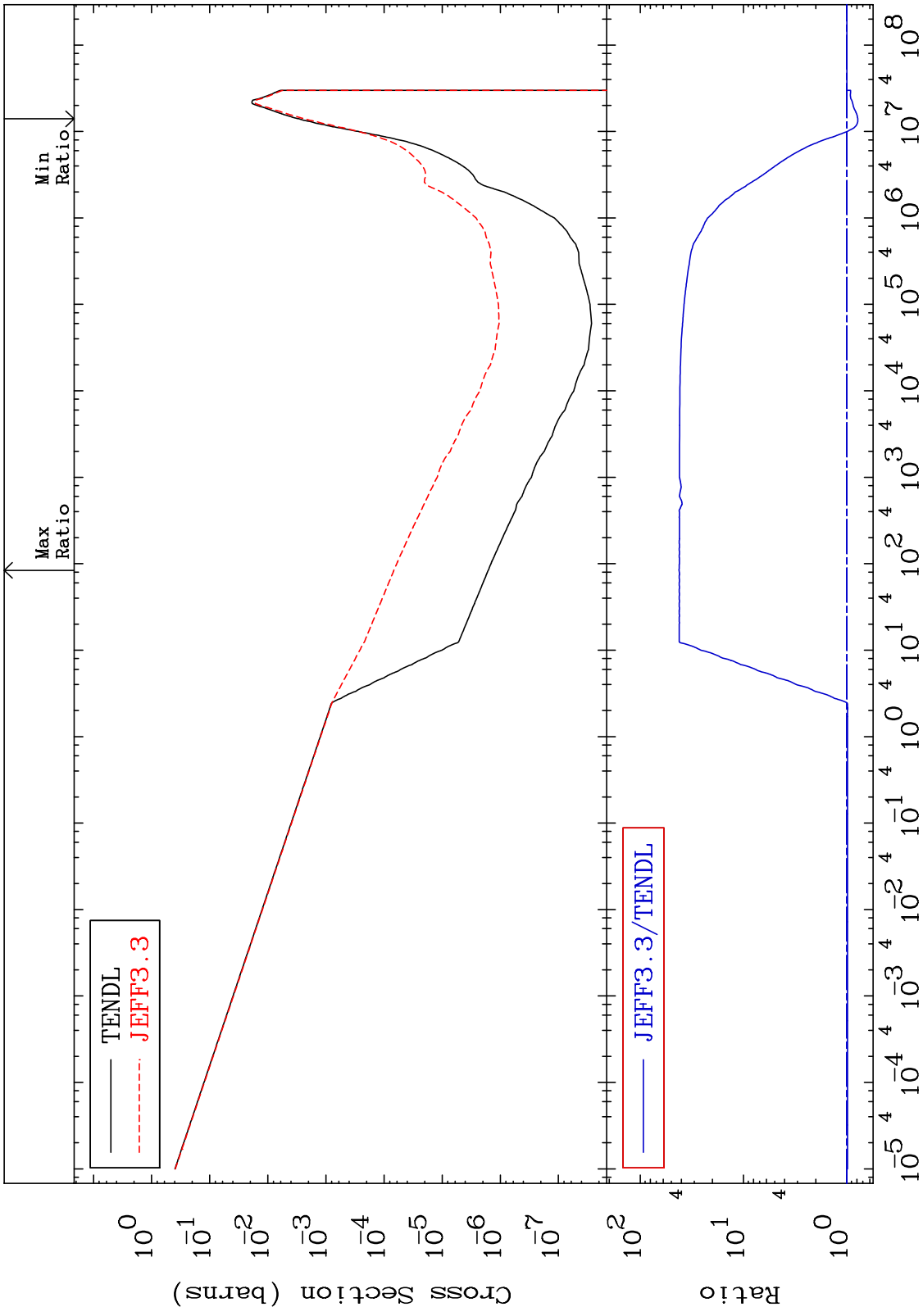
50 Incident Energy (eV) 78-Pt-190

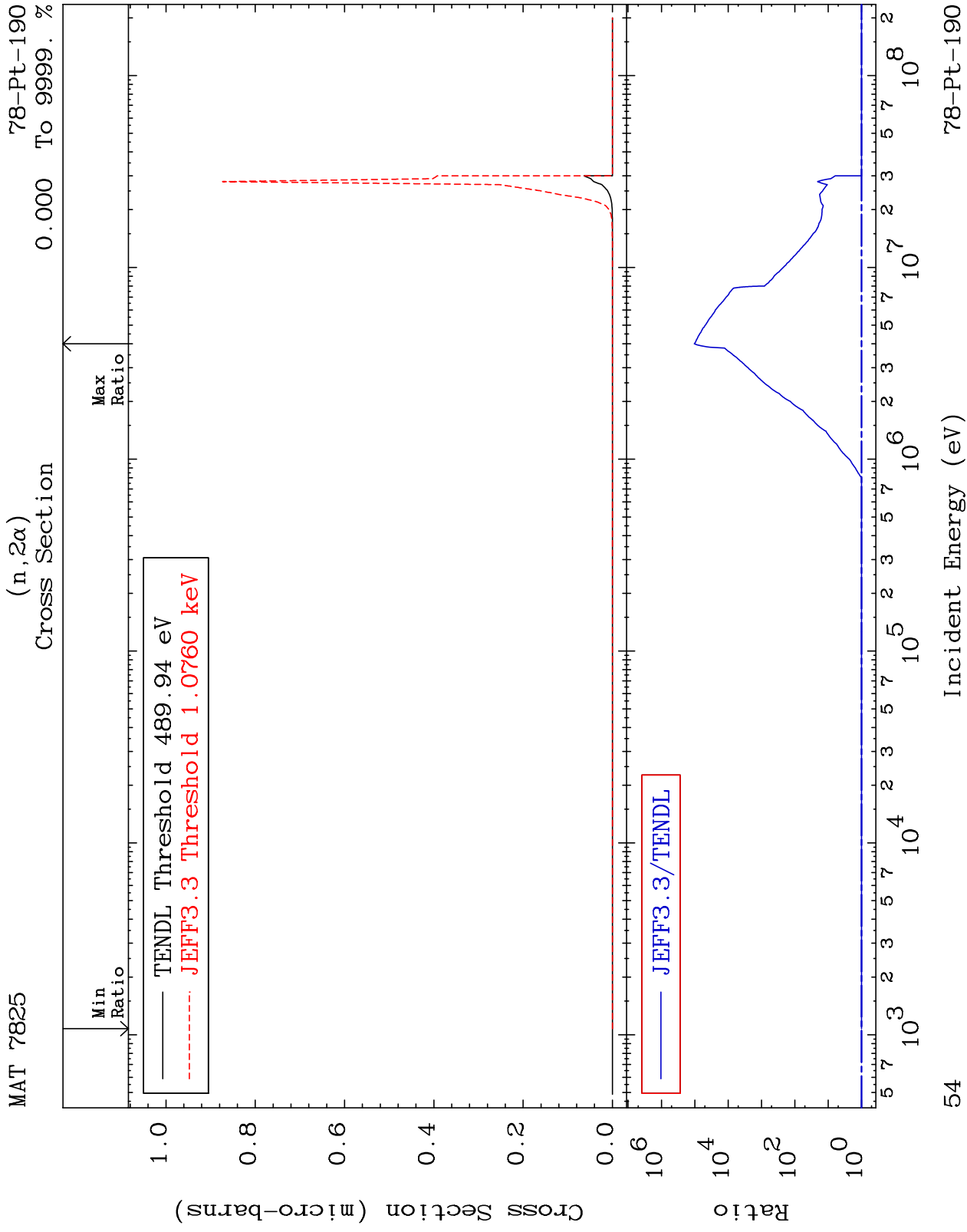


MAT 7825 (n, He-3) Cross Section 78-Pt-190
 -33.22 To 7.664 %

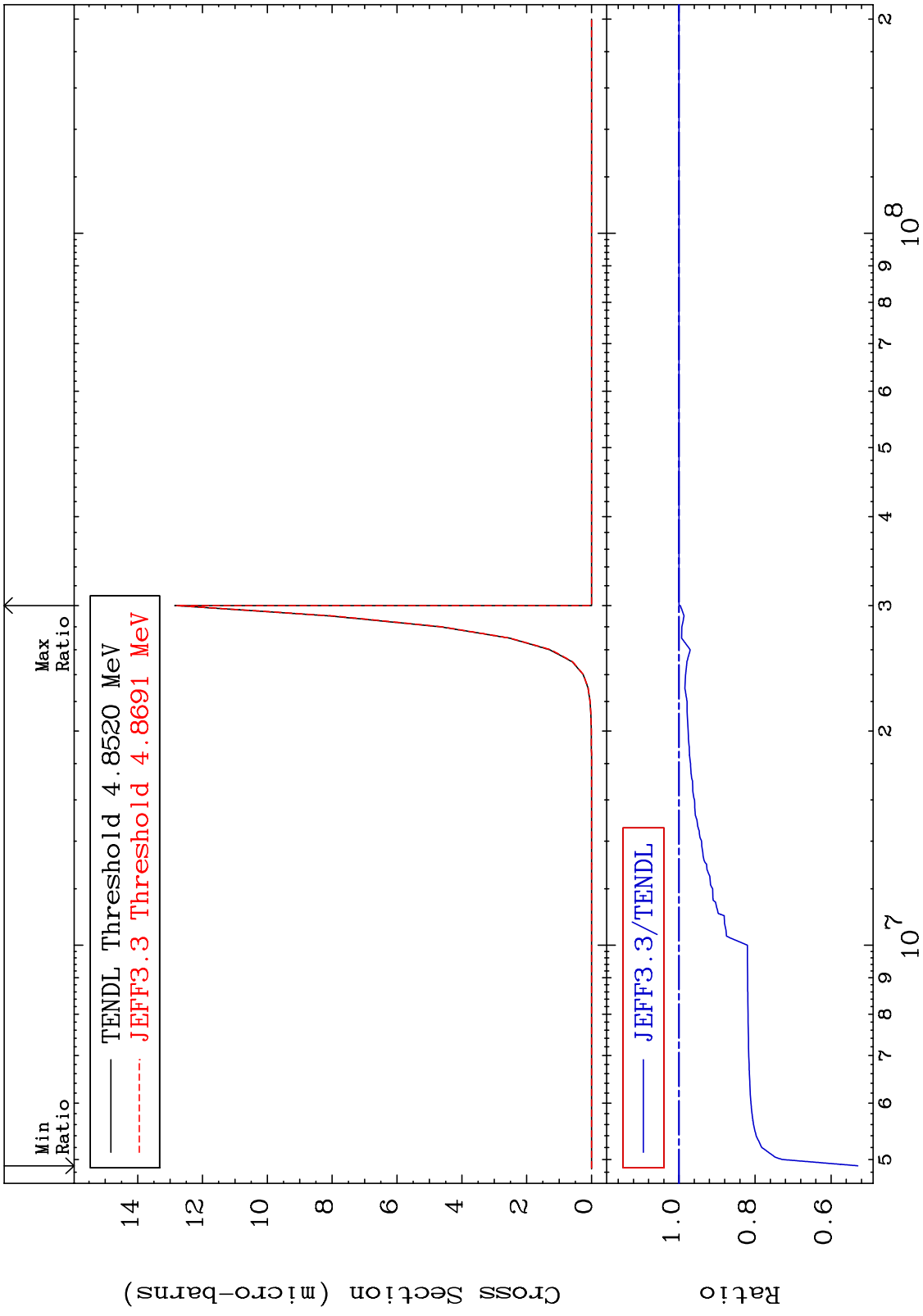


MAT 7825 78-Pt-190
-21.76 To 4113. %
(n,α)
Cross Section

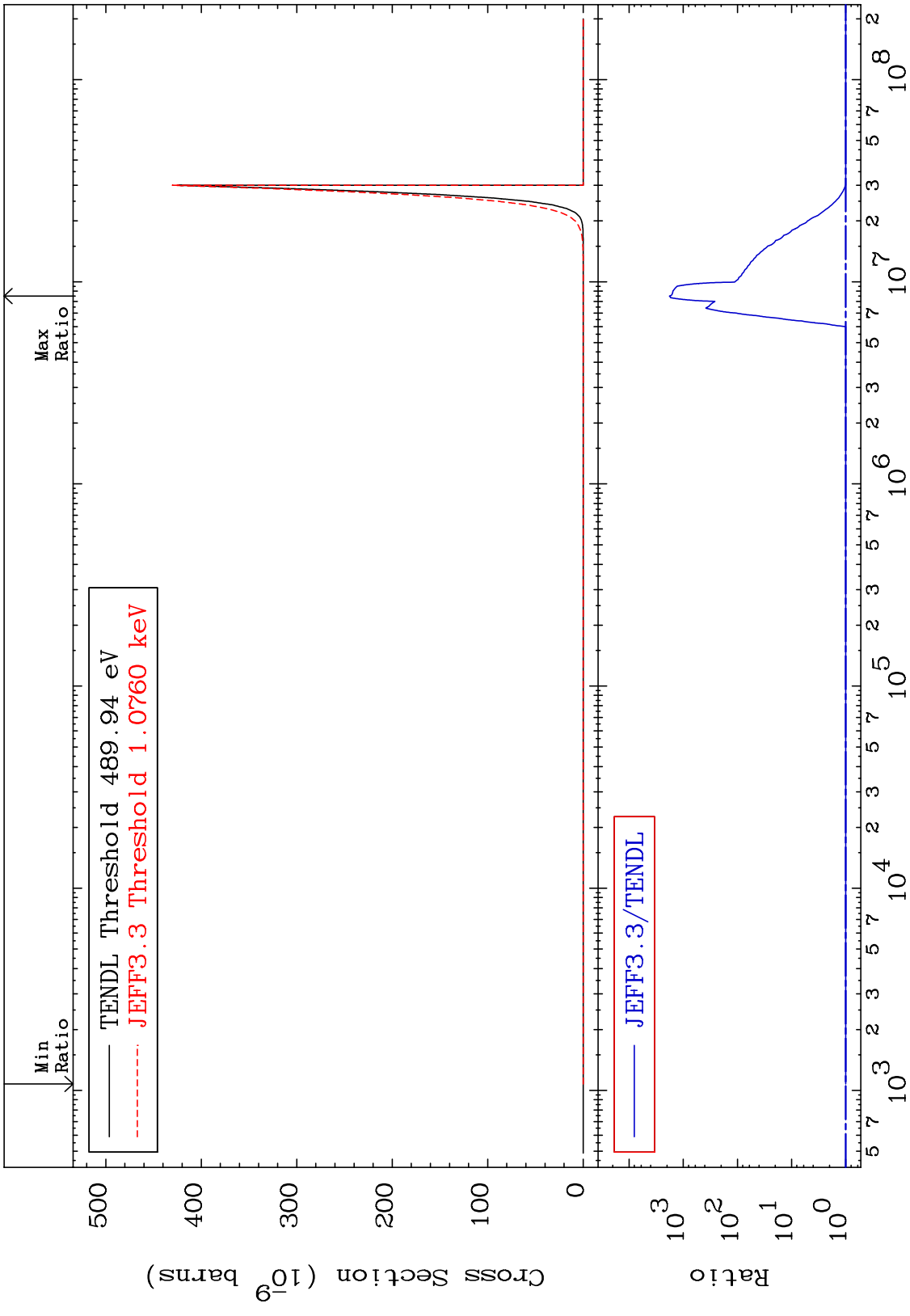




MAT 7825 (n,2p) Cross Section 78-Pt-190
 -47.04 To 0.000 %



MAT 7825 (n,p) α 78-Pt-190
 Cross Section To 9999. %



56 Incident Energy (eV) 78-Pt-190

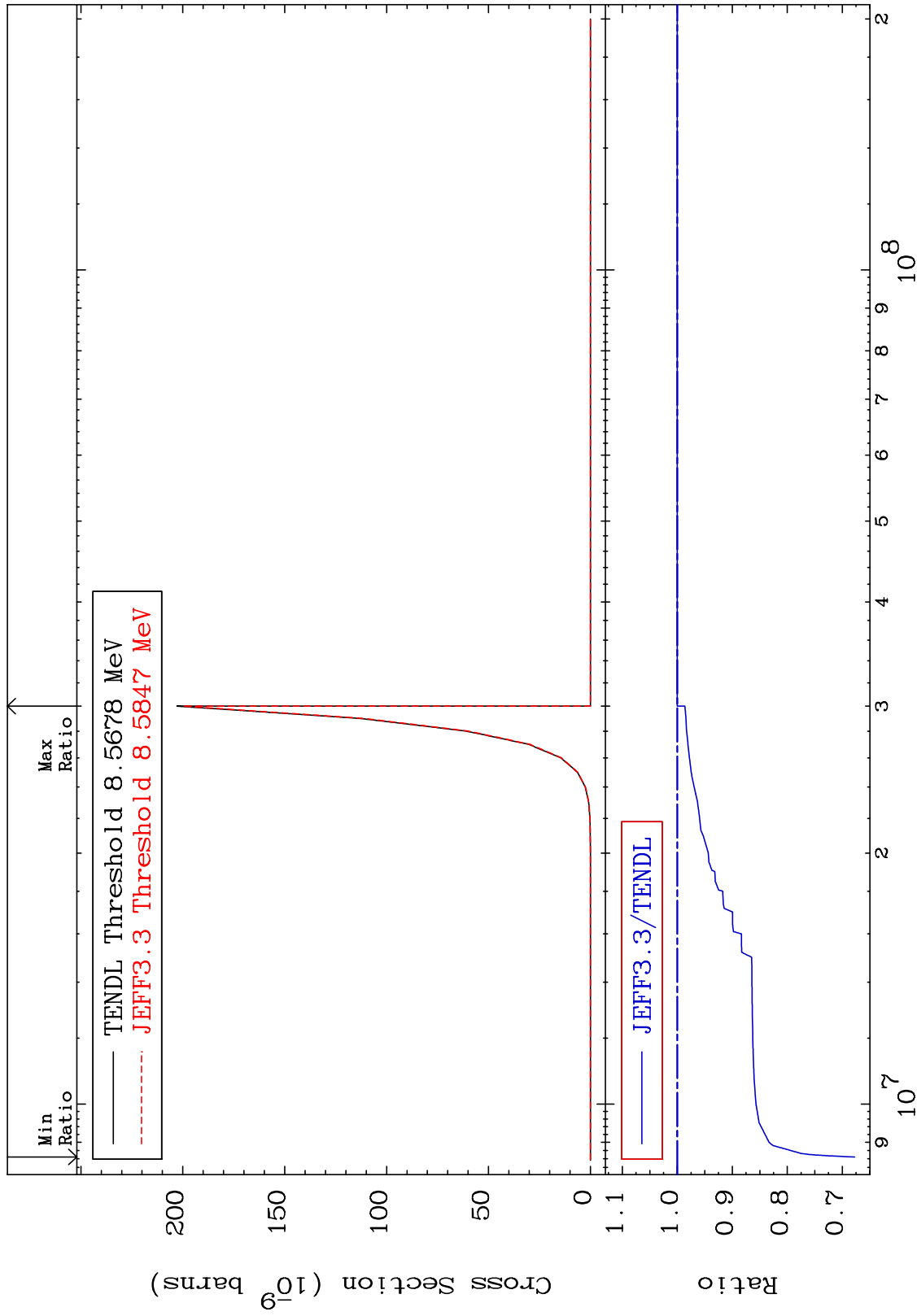
MAT 7825

(n,p) d

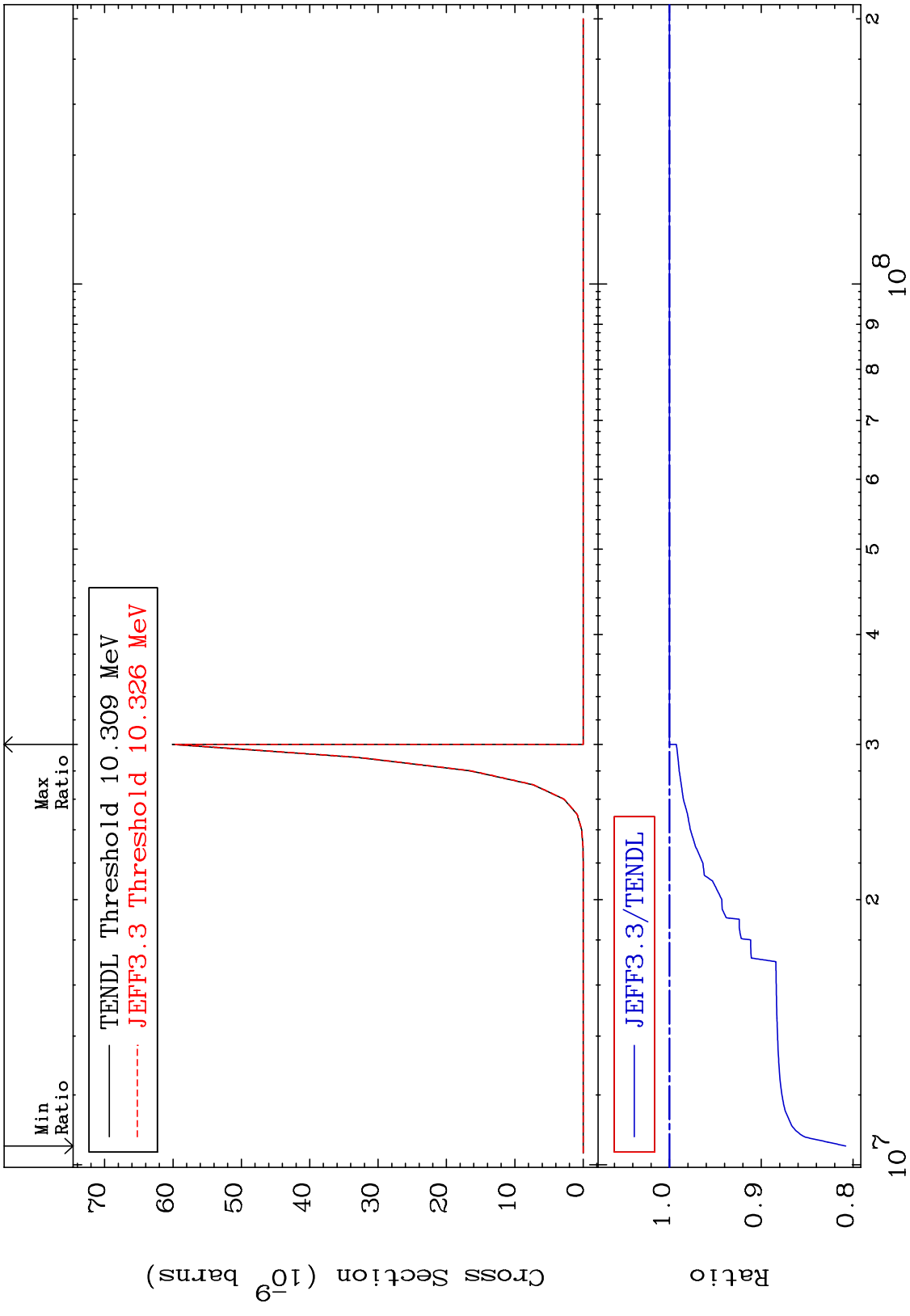
78-Pt-190

Cross Section

-32.27 To 0.000 %



MAT 7825 (n,p) t 78-Pt-190
 Cross Section -19.20 To 0.000 %



58 78-Pt-190

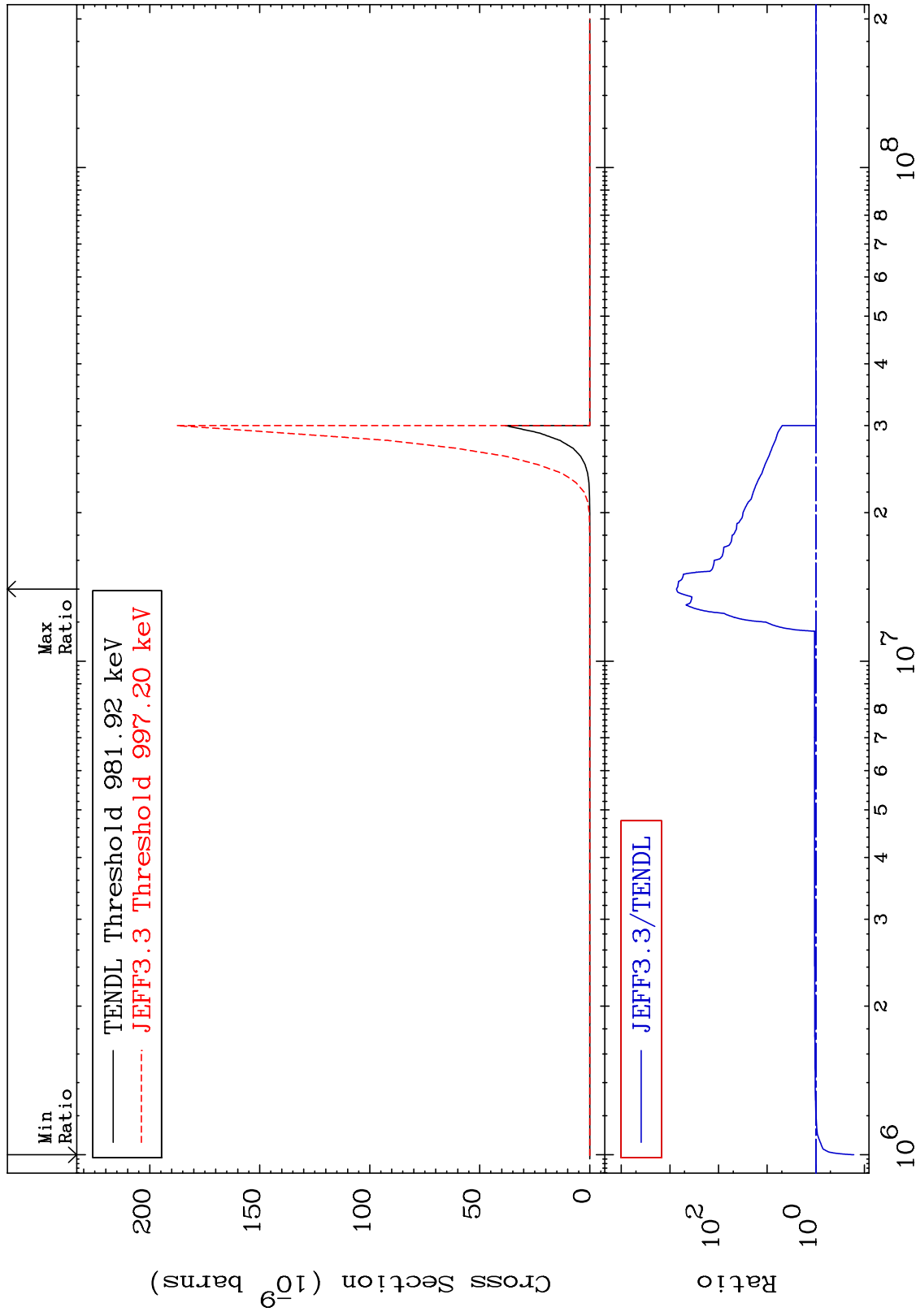
MAT 7825

(n,d) α

78-Pt-190

Cross Section

-83.46 To 9999. %



59

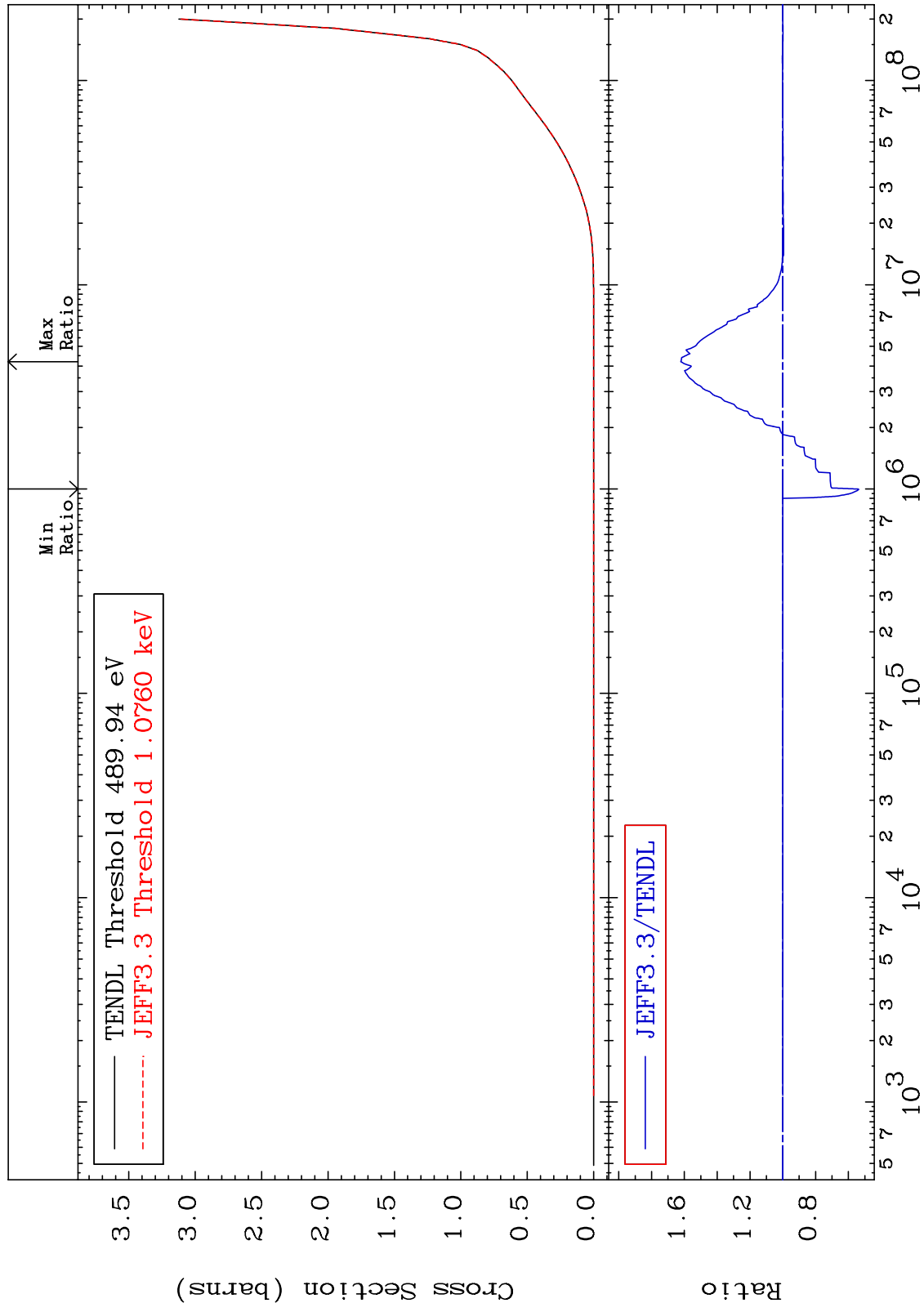
Incident Energy (eV)

78-Pt-190

MAT 7825

Hydrogen Production
Cross Section

78-Pt-190
-46.50 To 62.15 %



60

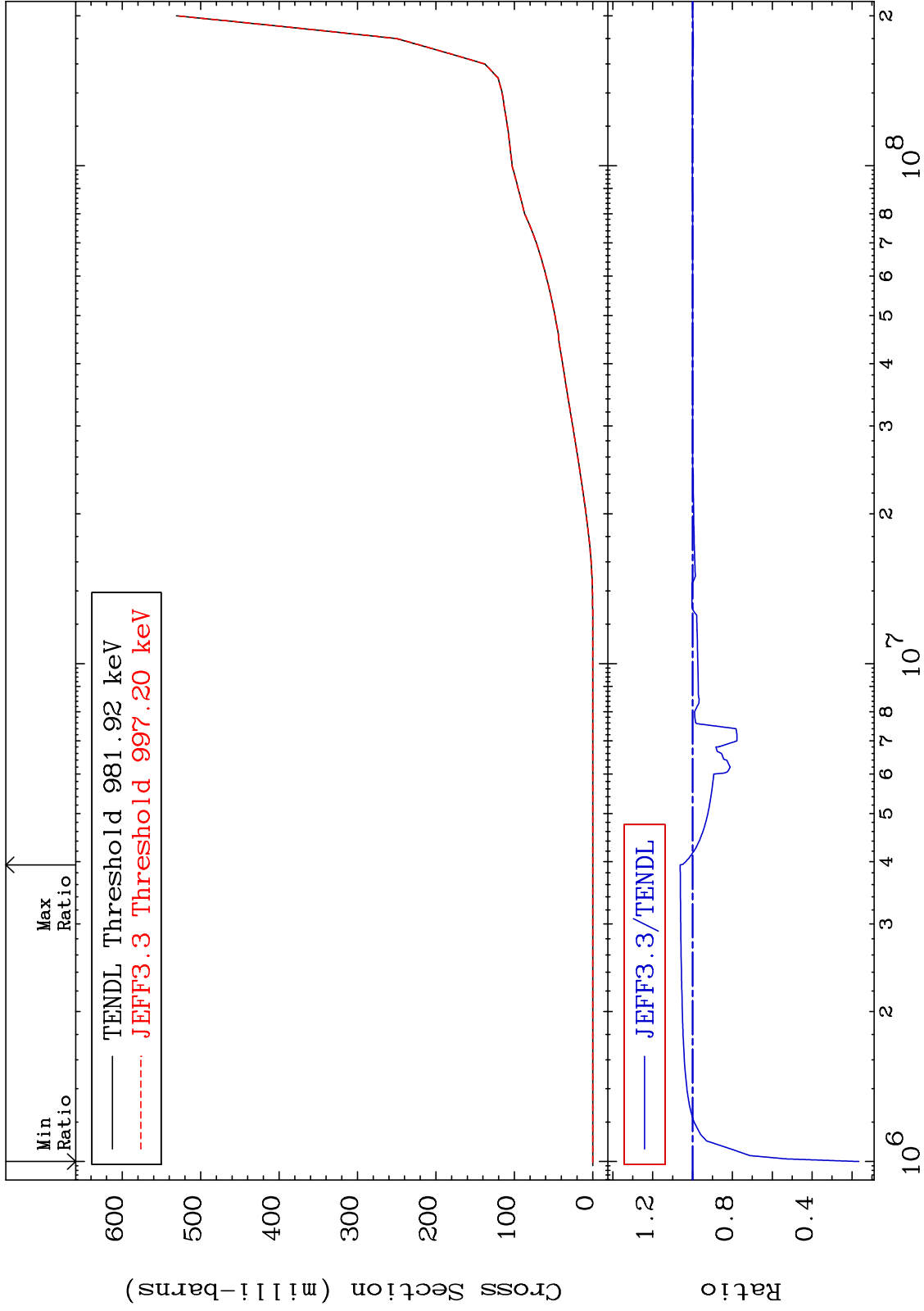
Incident Energy (eV)

78-Pt-190

MAT 7825

Deuterium Production
Cross Section

78-Pt-190
-83.46 To 6.192 %



61

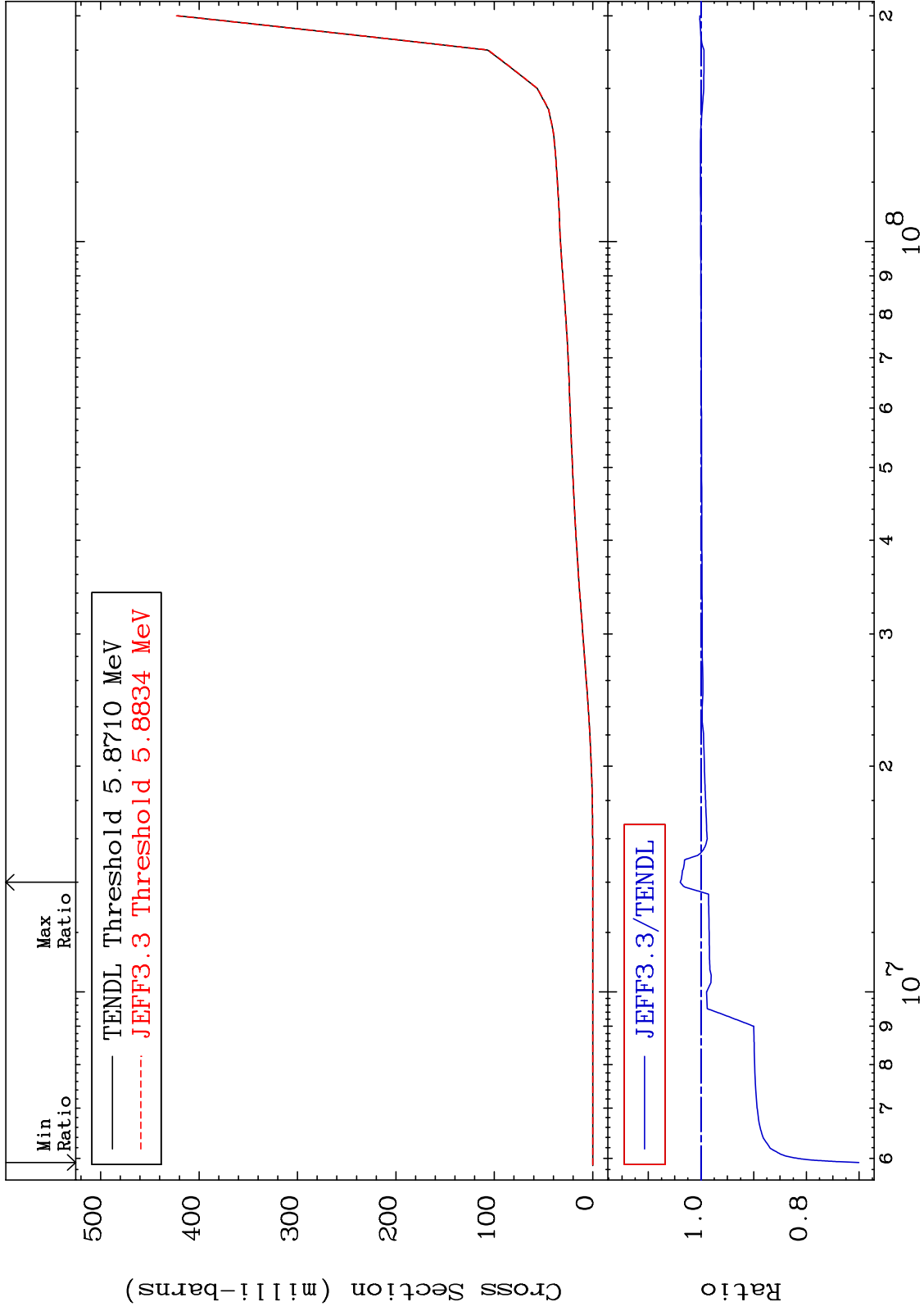
Incident Energy (eV)

78-Pt-190

MAT 7825

Tritium Production
Cross Section

78-Pt-190
-29.96 To 3.949 %

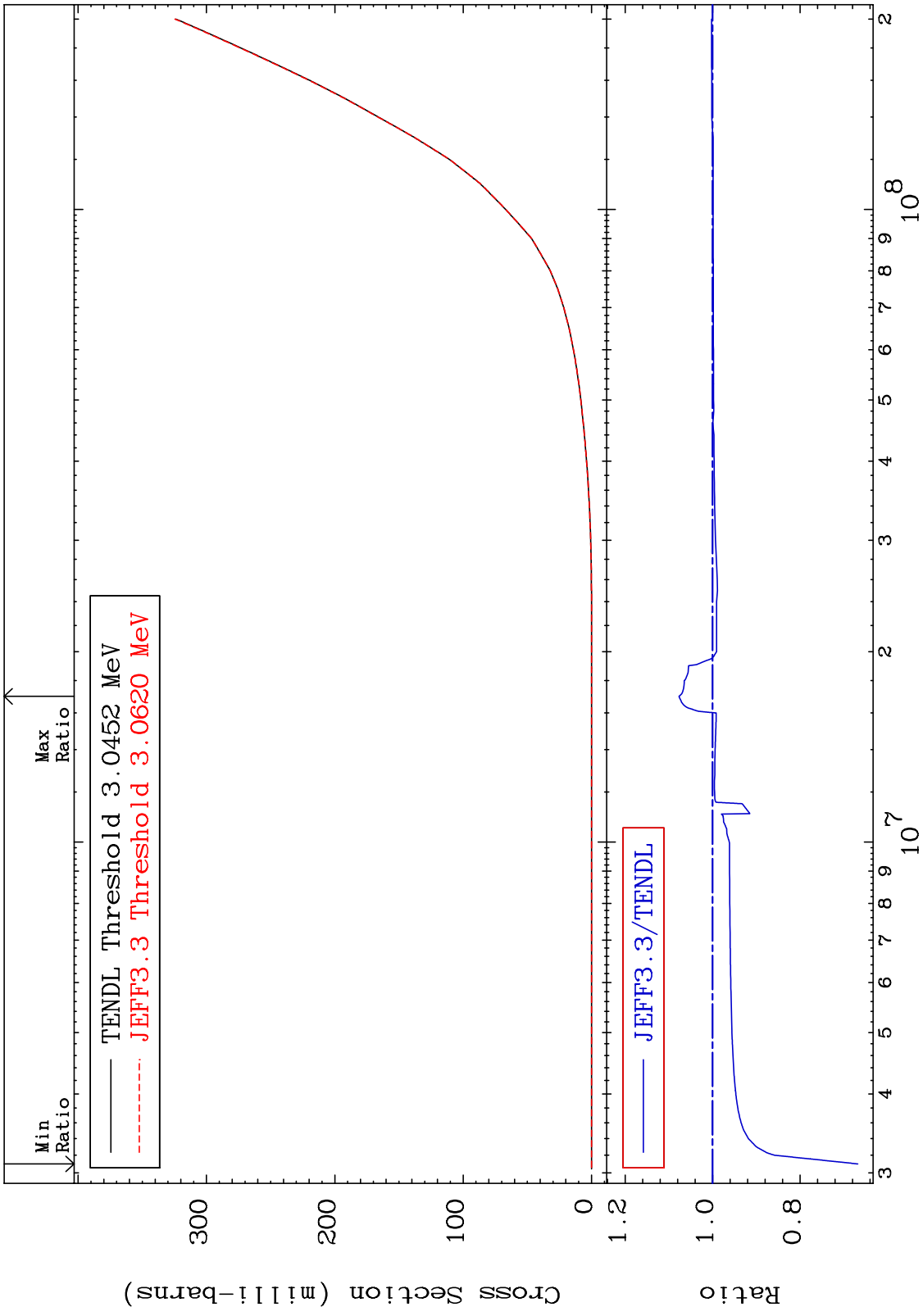


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Incident Energy (eV)

78-Pt-190

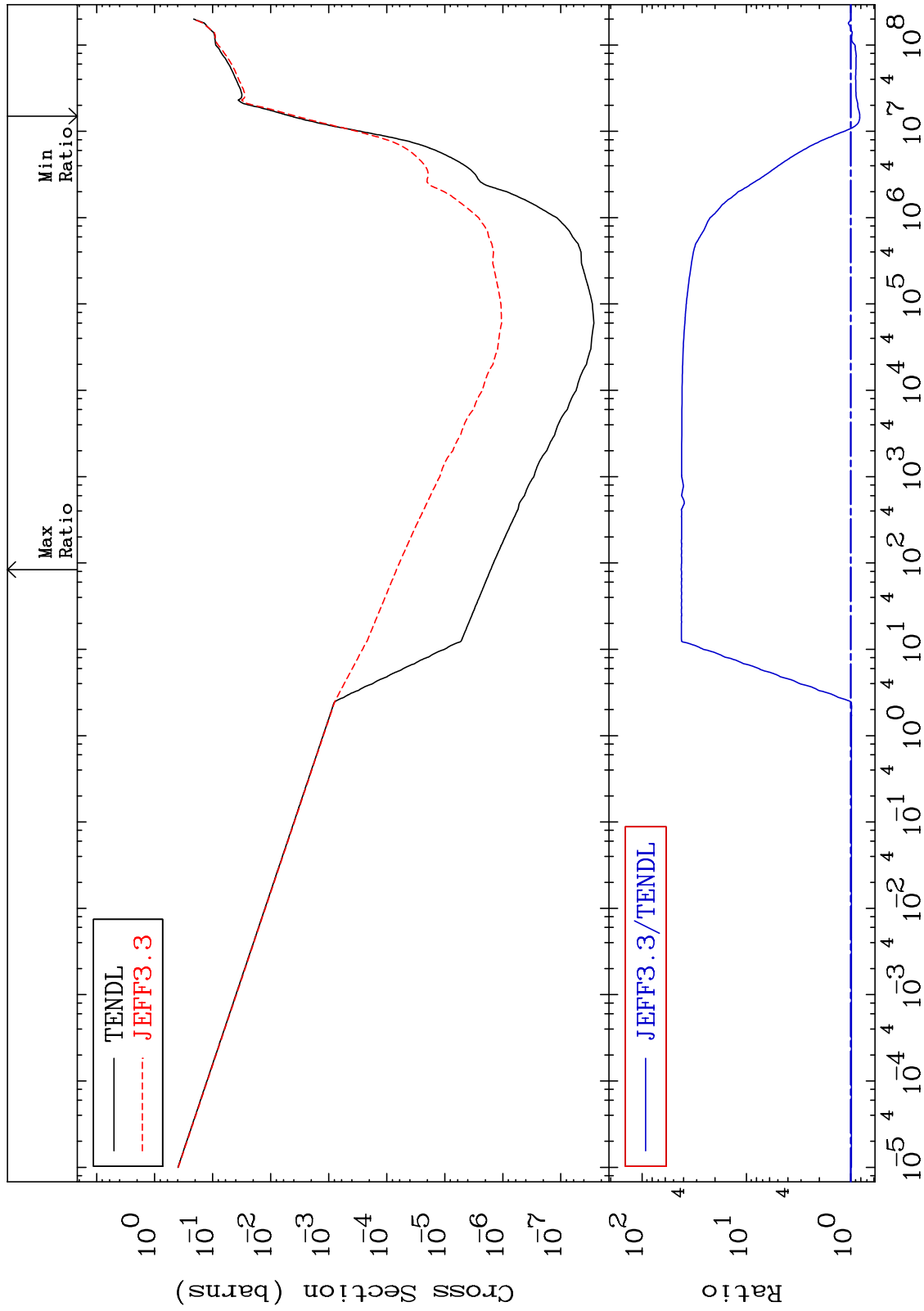
MAT 7825 He-3 Production Cross Section 78-Pt-190
 -33.22 To 7.664 %



MAT 7825

He-4 Production
Cross Section

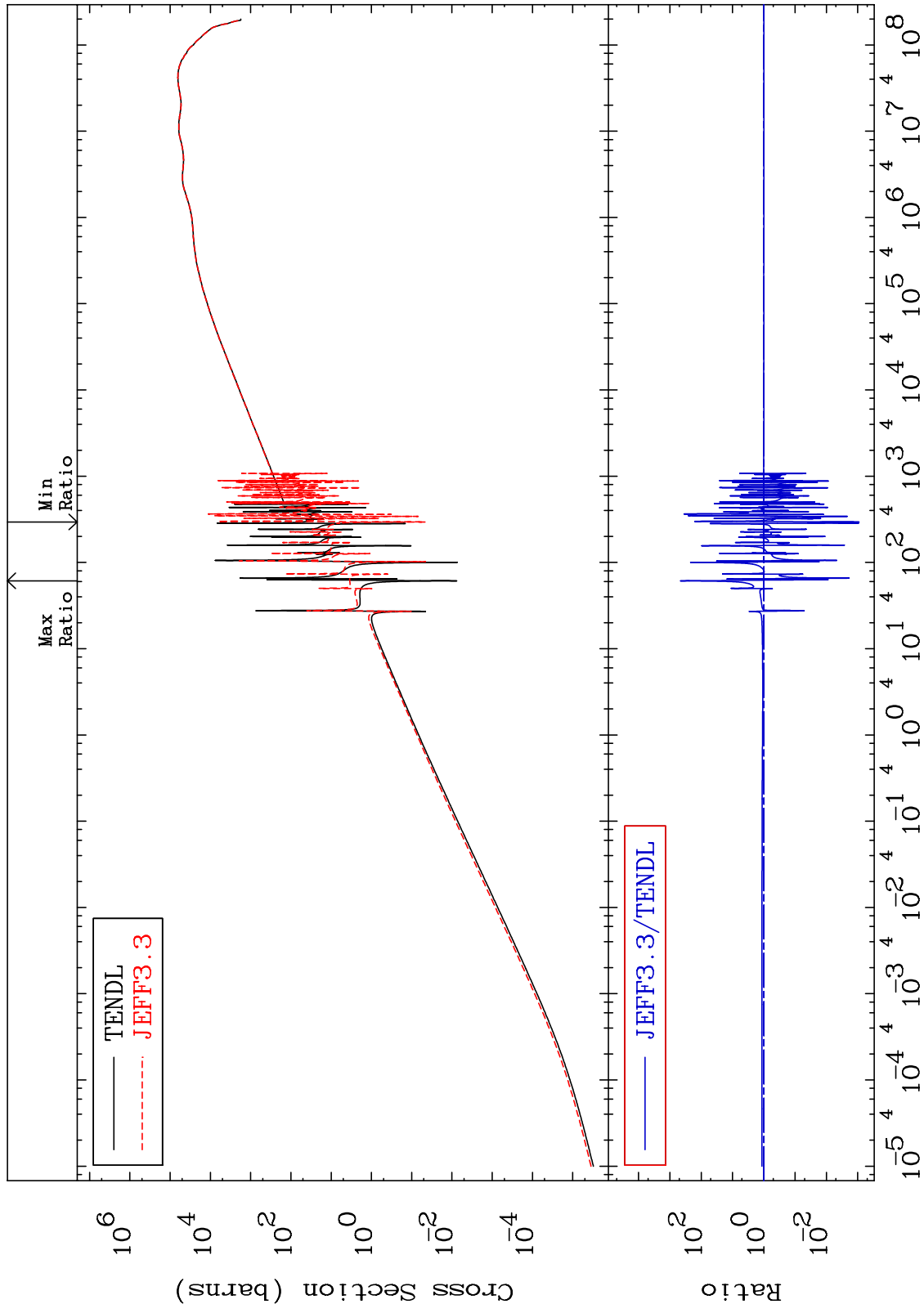
78-Pt-190
-18.01 To 4113. %



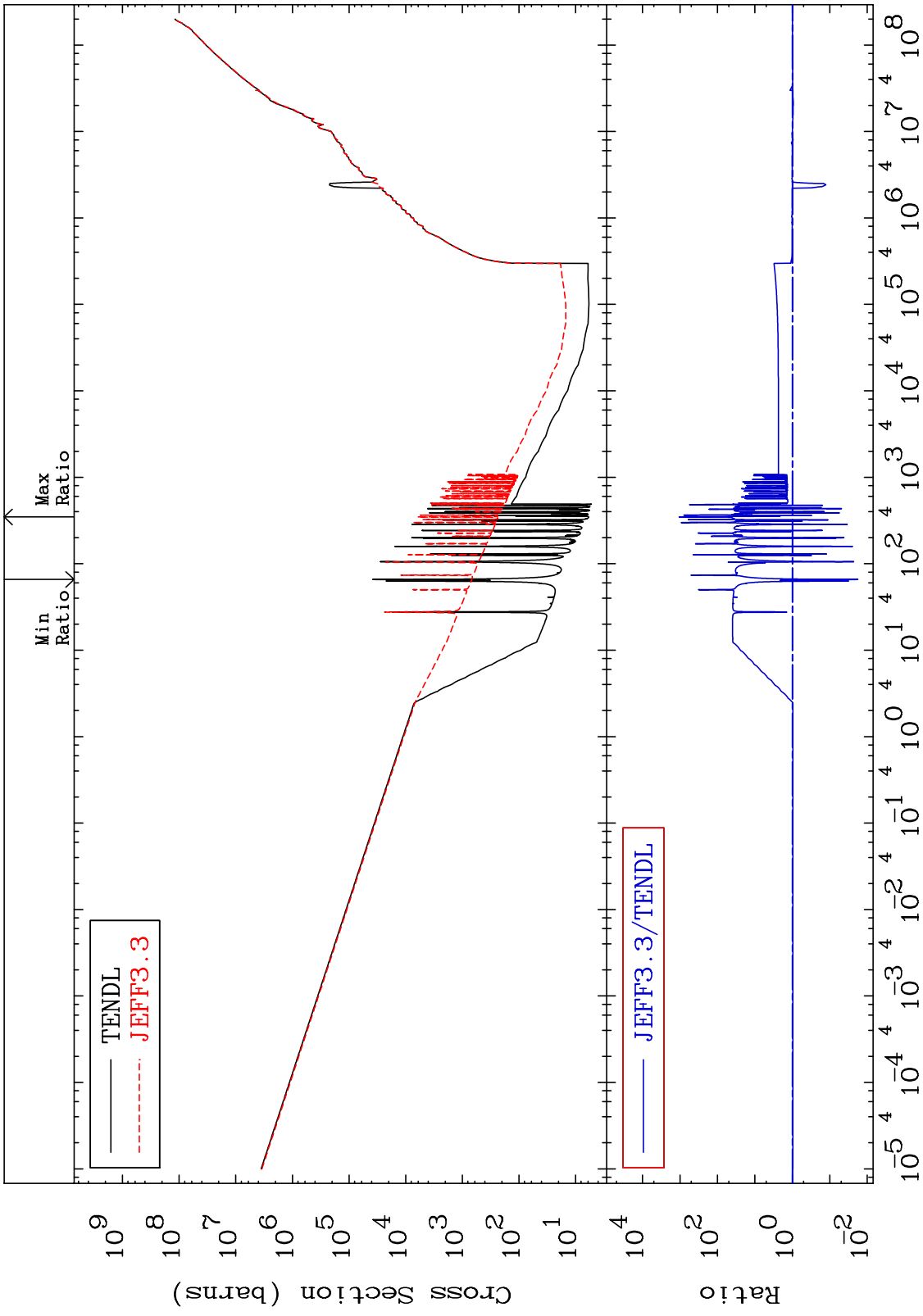
MAT 7825

Kerma elastic
Cross Section

78-Pt-190
-99.91 To 9999. %



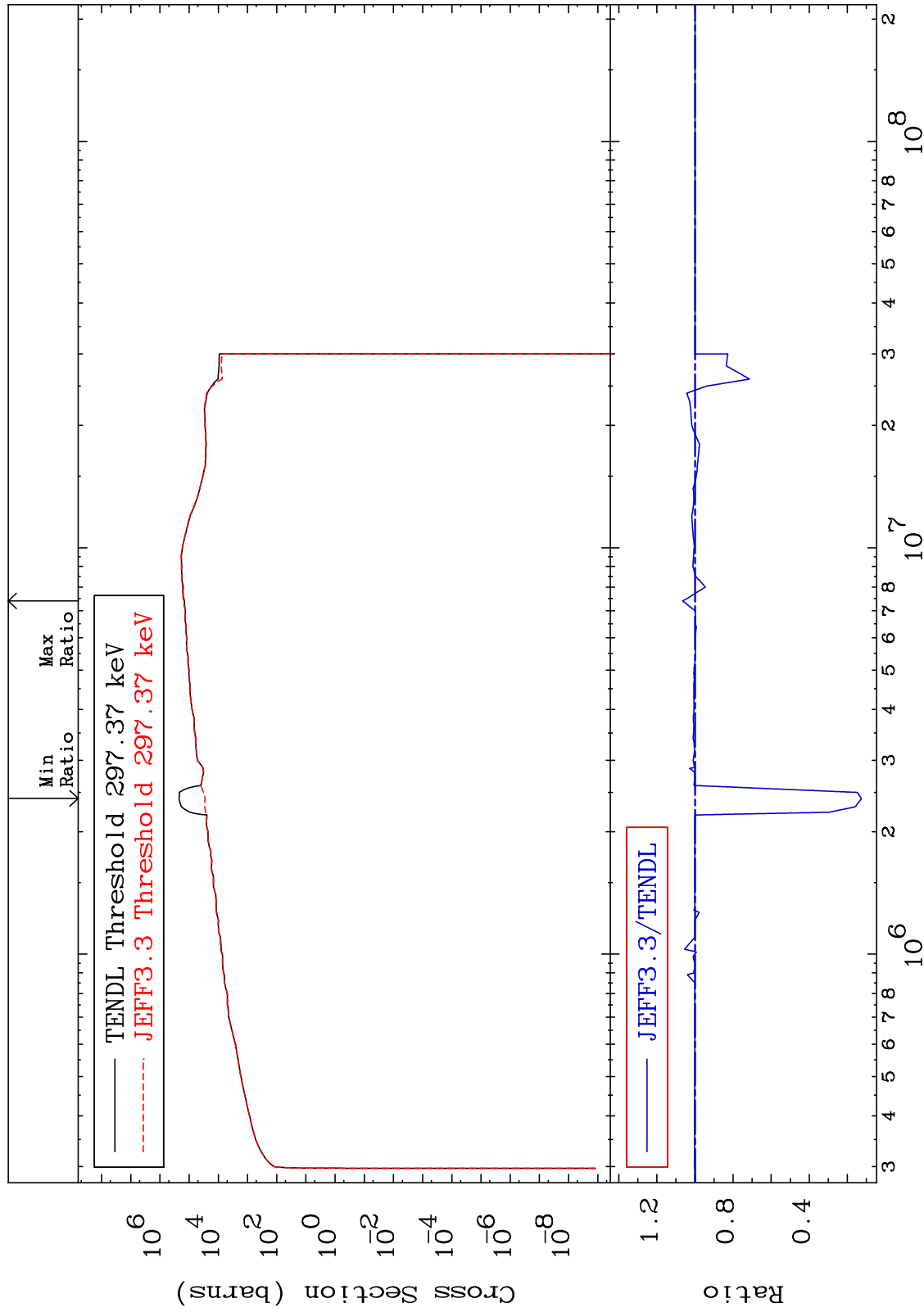
MAT 7825 Kerma non-elastic (all but mt2) 78-Pt-190
 -98.21 To 9999. %
 Cross Section



MAT 7825

Kerma inelastic (mt51-91)
Cross Section

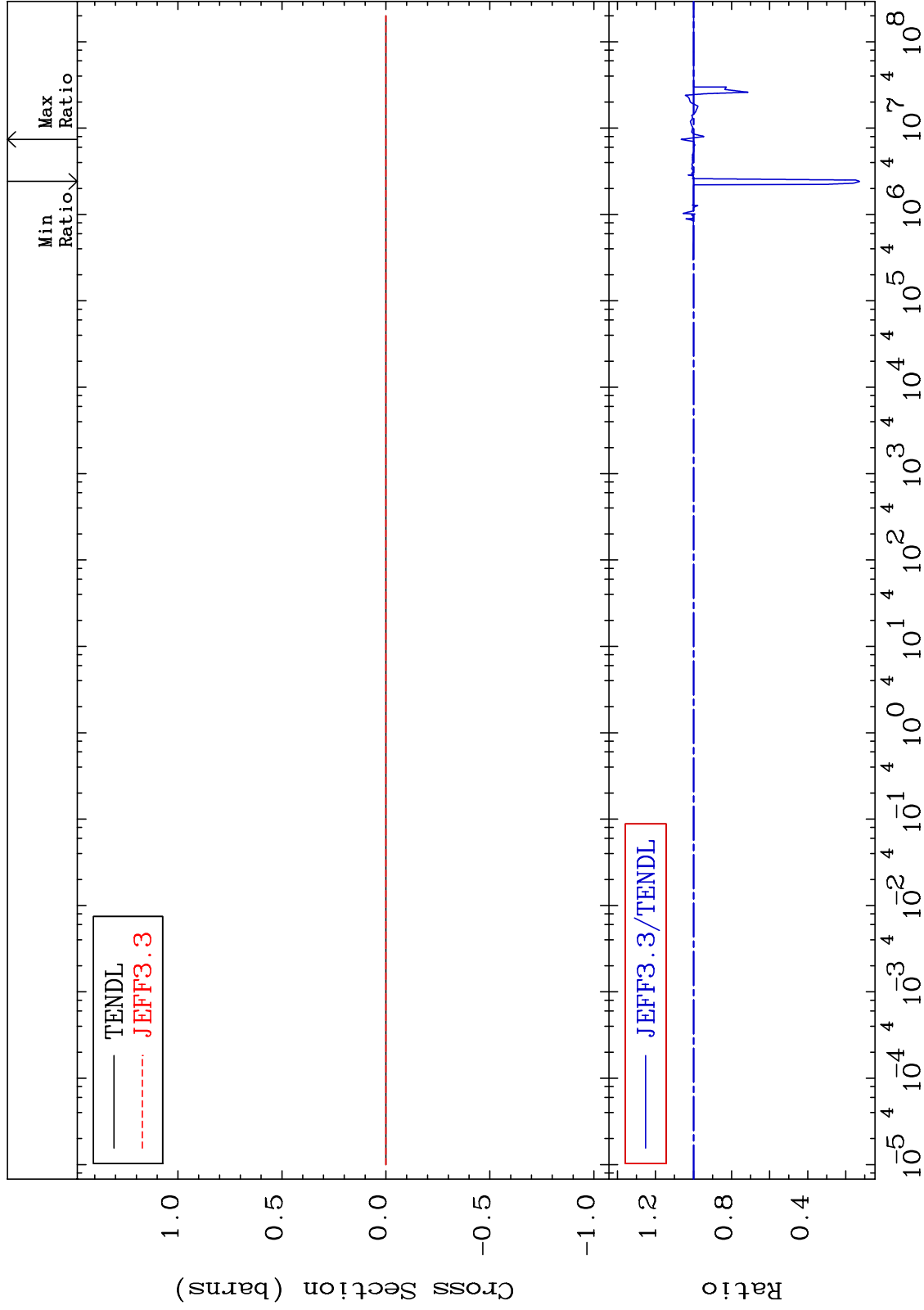
78-Pt-190
-87.36 To 6.463 %



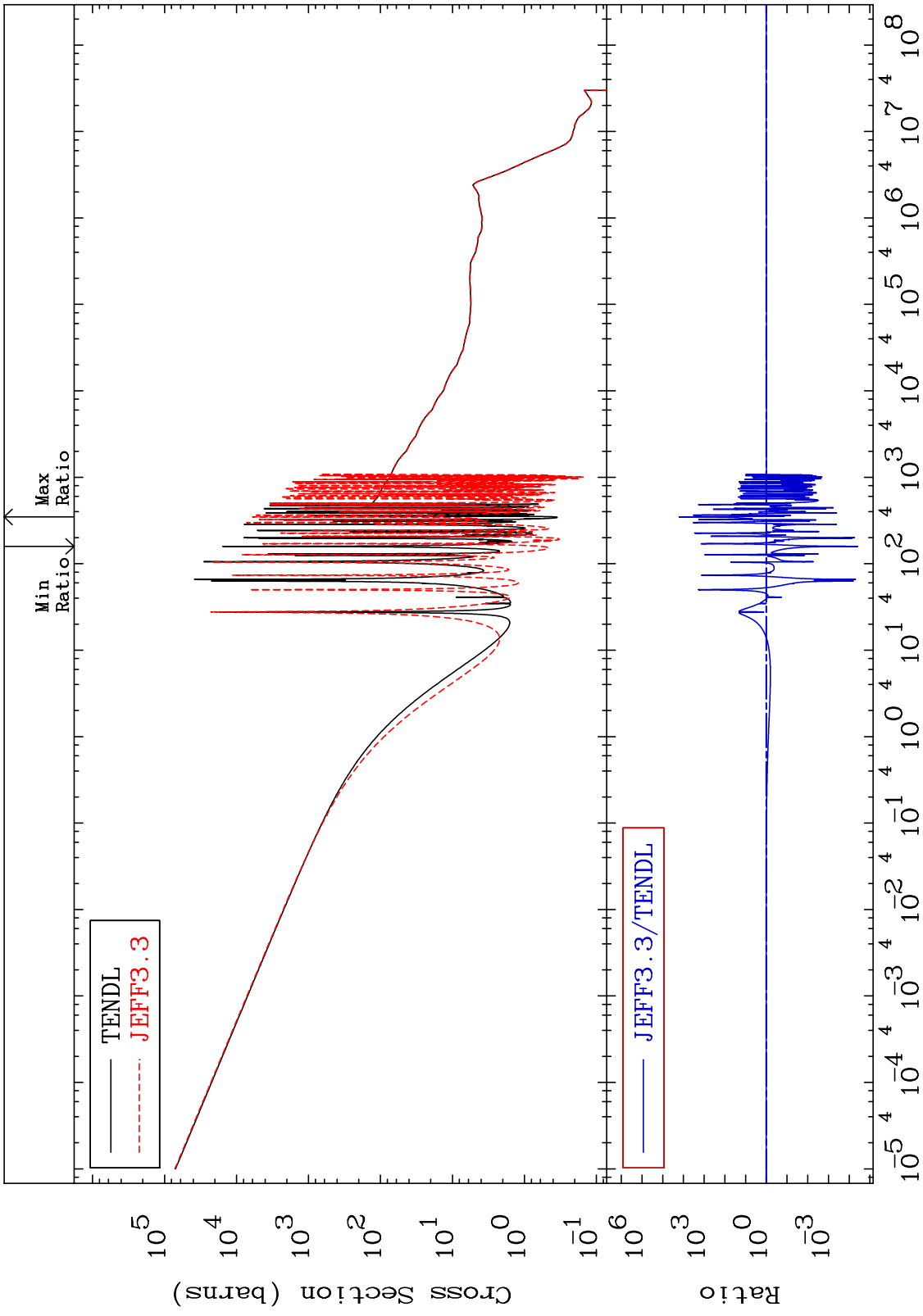
MAT 7825

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

78-Pt-190
-87.36 To 6.463 %

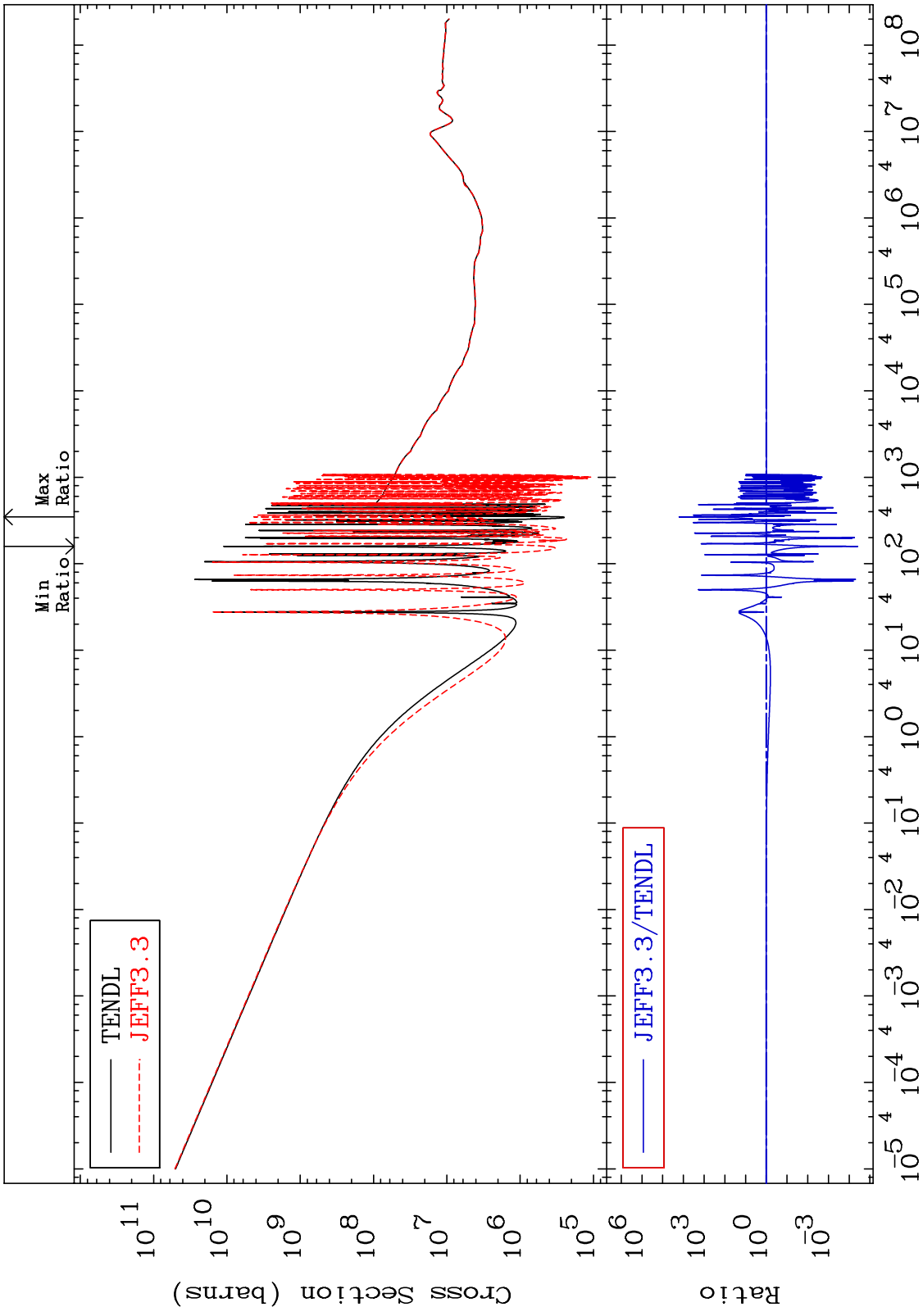


MAT 7825 Kerma capture (mt102) 78-Pt-190
 -100.0 To 9999. %



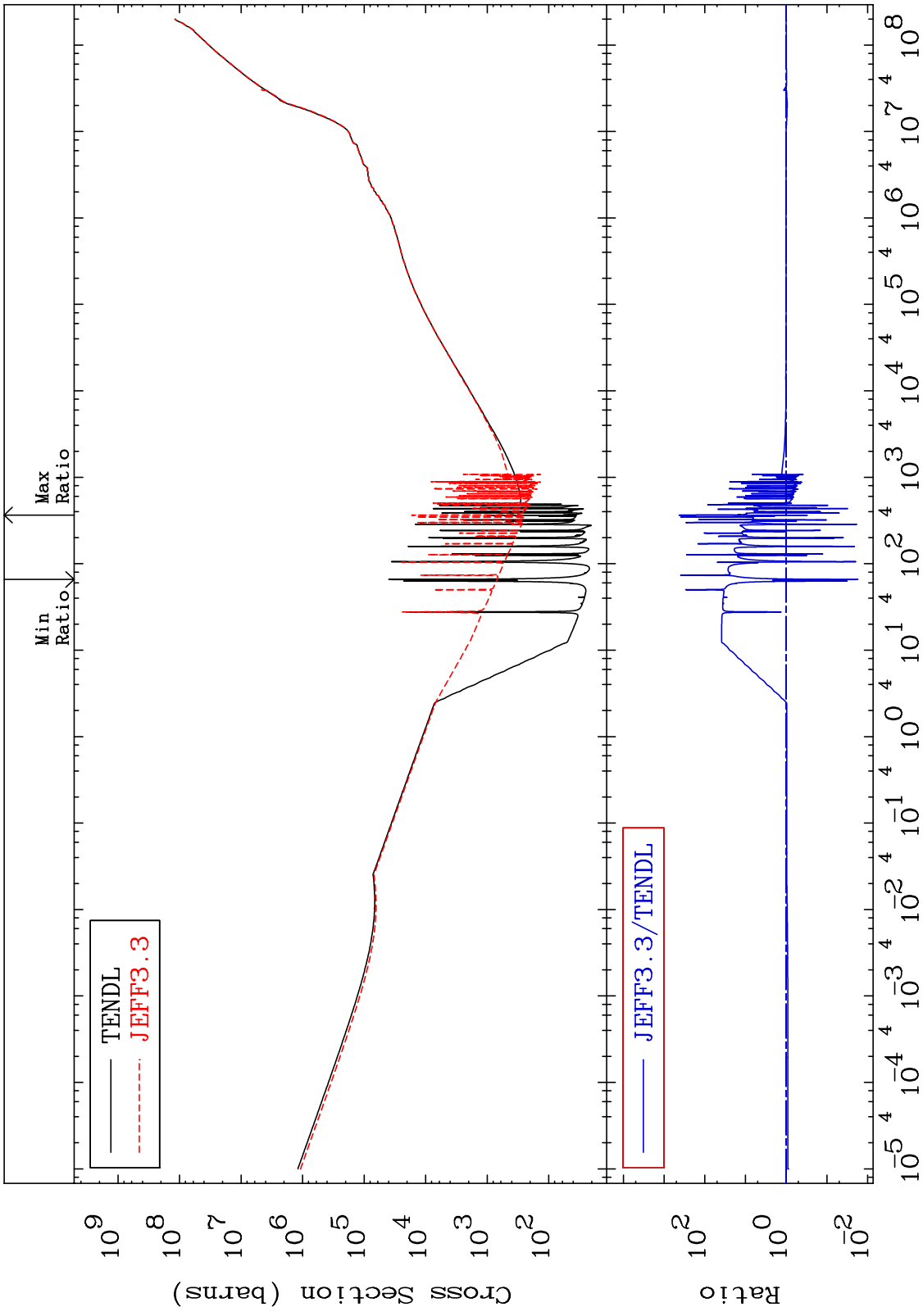
70 78-Pt-190

MAT 7825 78-Pt-190
 Total photon (eV-barns) -100.0 To 9999. %
 Cross Section

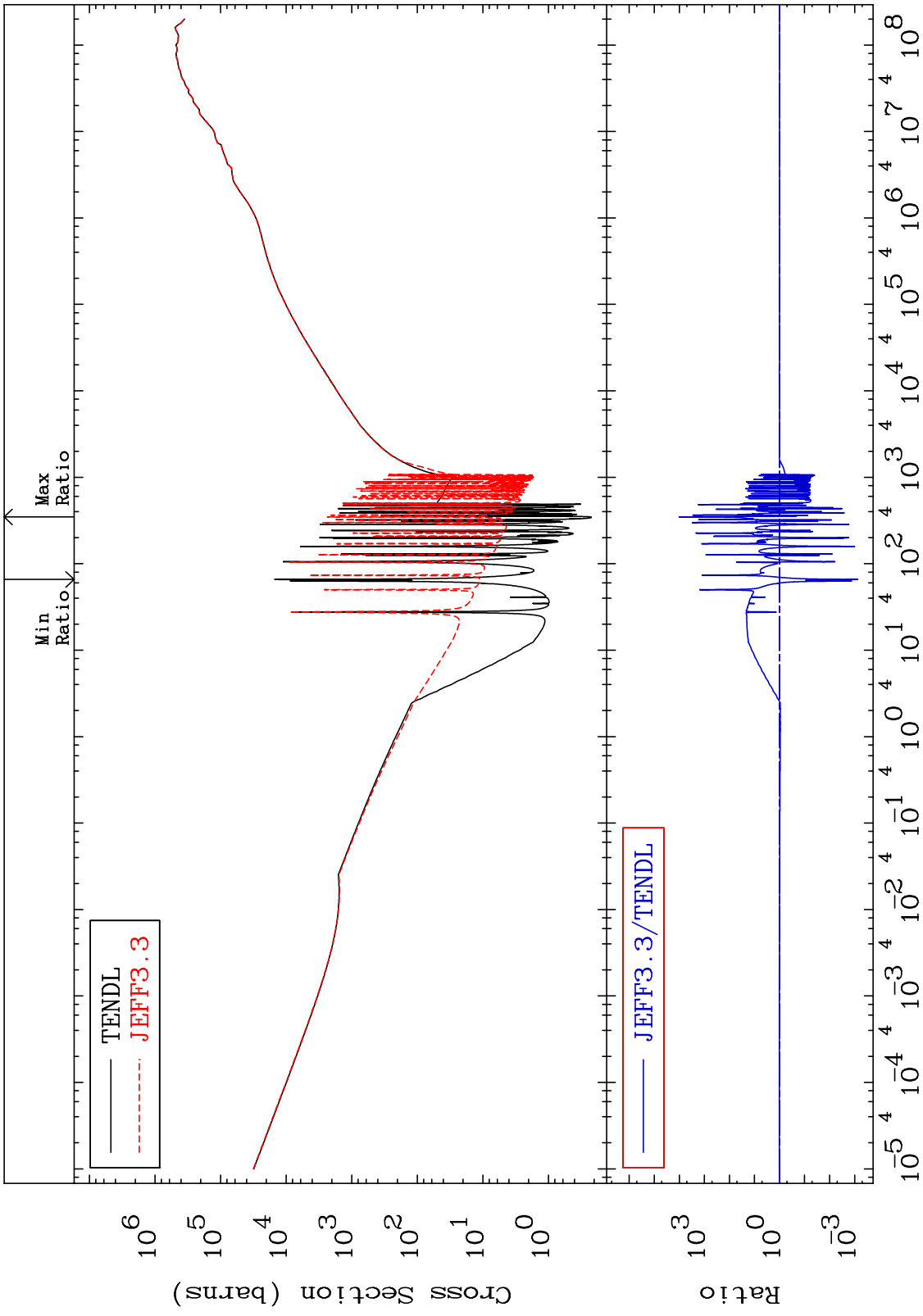


71 78-Pt-190

MAT 7825 Total kinematic kerma (high limit) 78-Pt-190
 Cross Section -98.27 To 9999. %

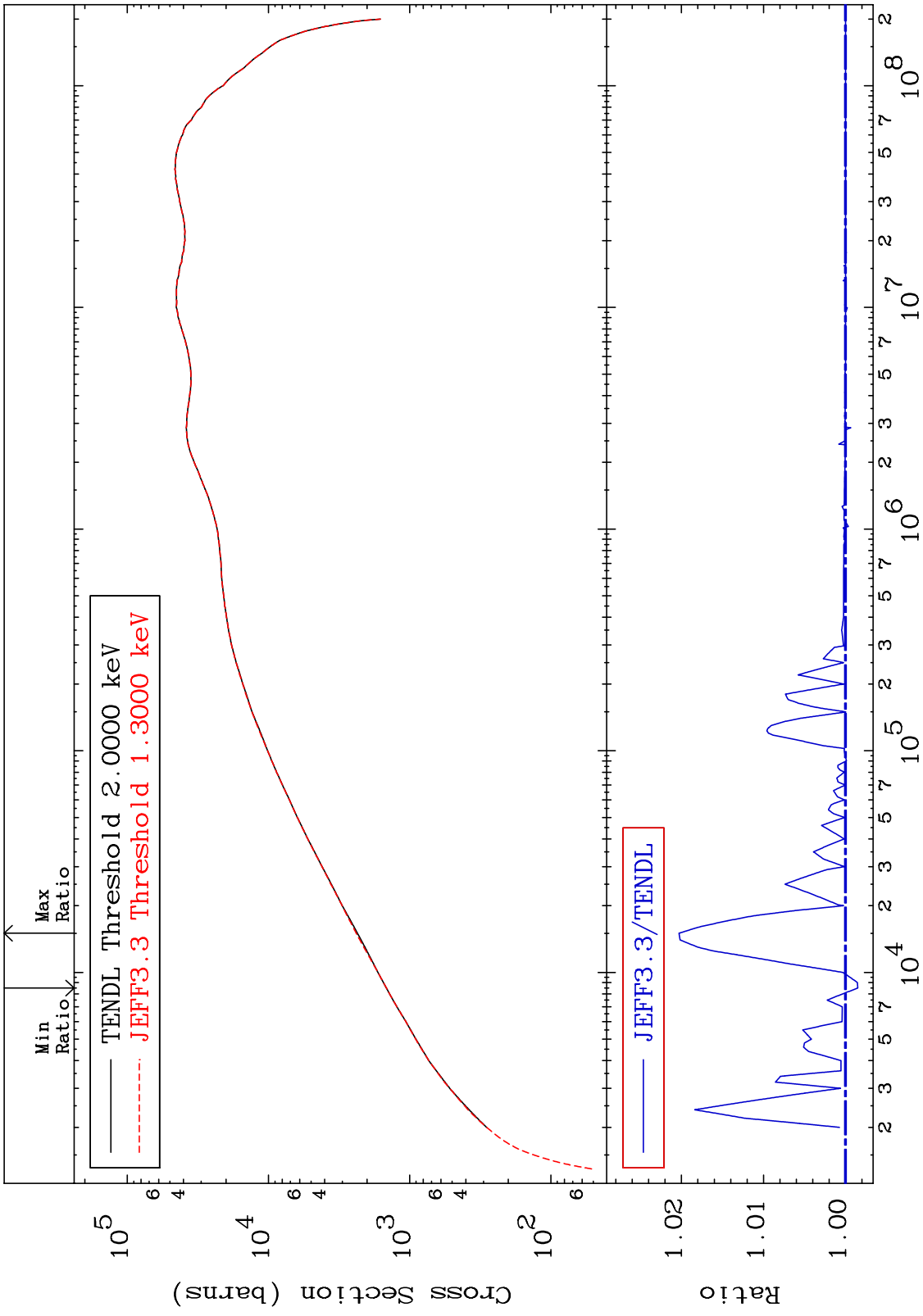


MAT 7825 Dpa total (eV-barns) 78-Pt-190
 -99.93 To 9999. %

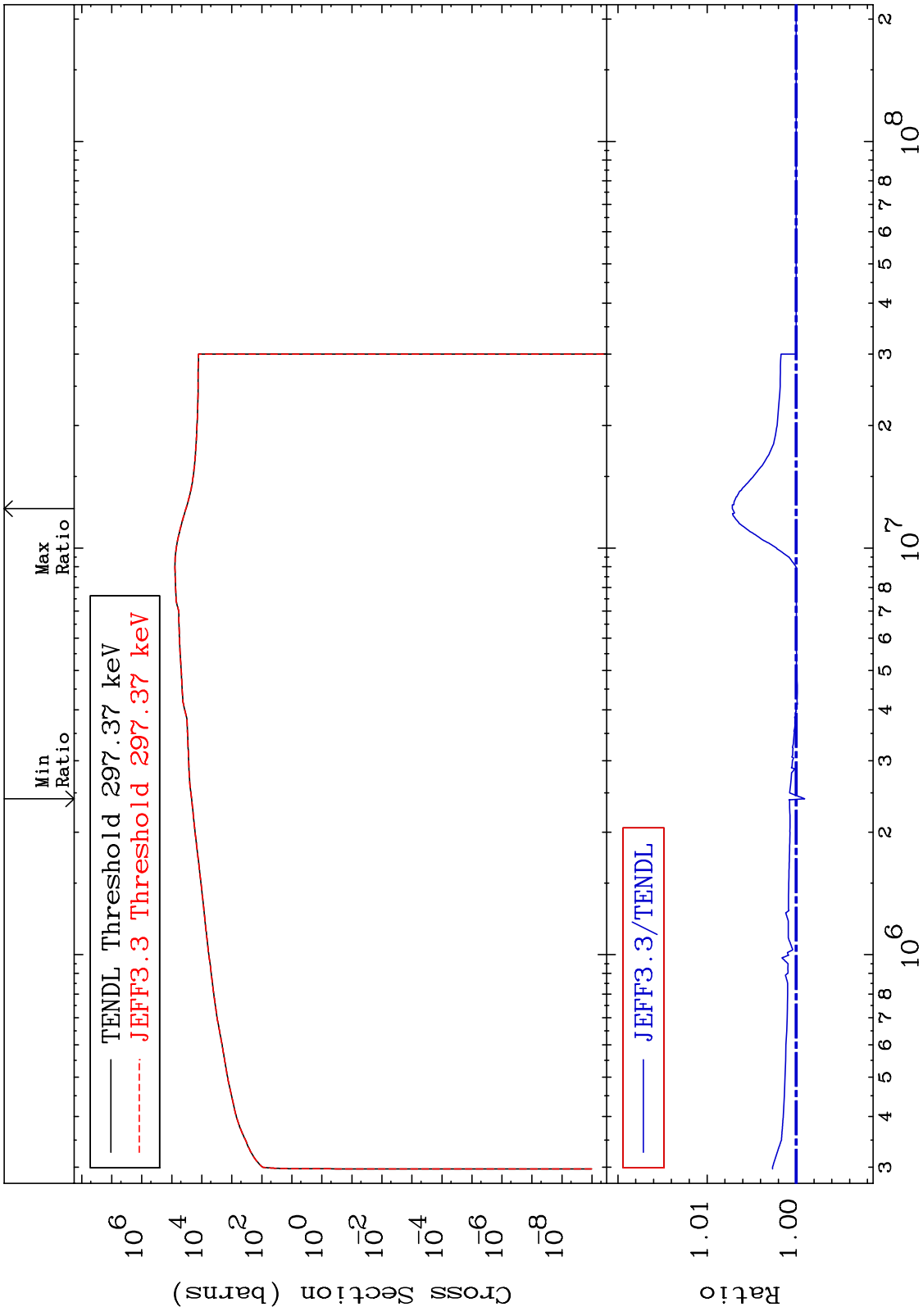


73 Incident Energy (eV) 78-Pt-190

MAT 7825 78-Pt-190
 Dpa elastic (mt2) -0.151 To 2.030 %
 Cross Section

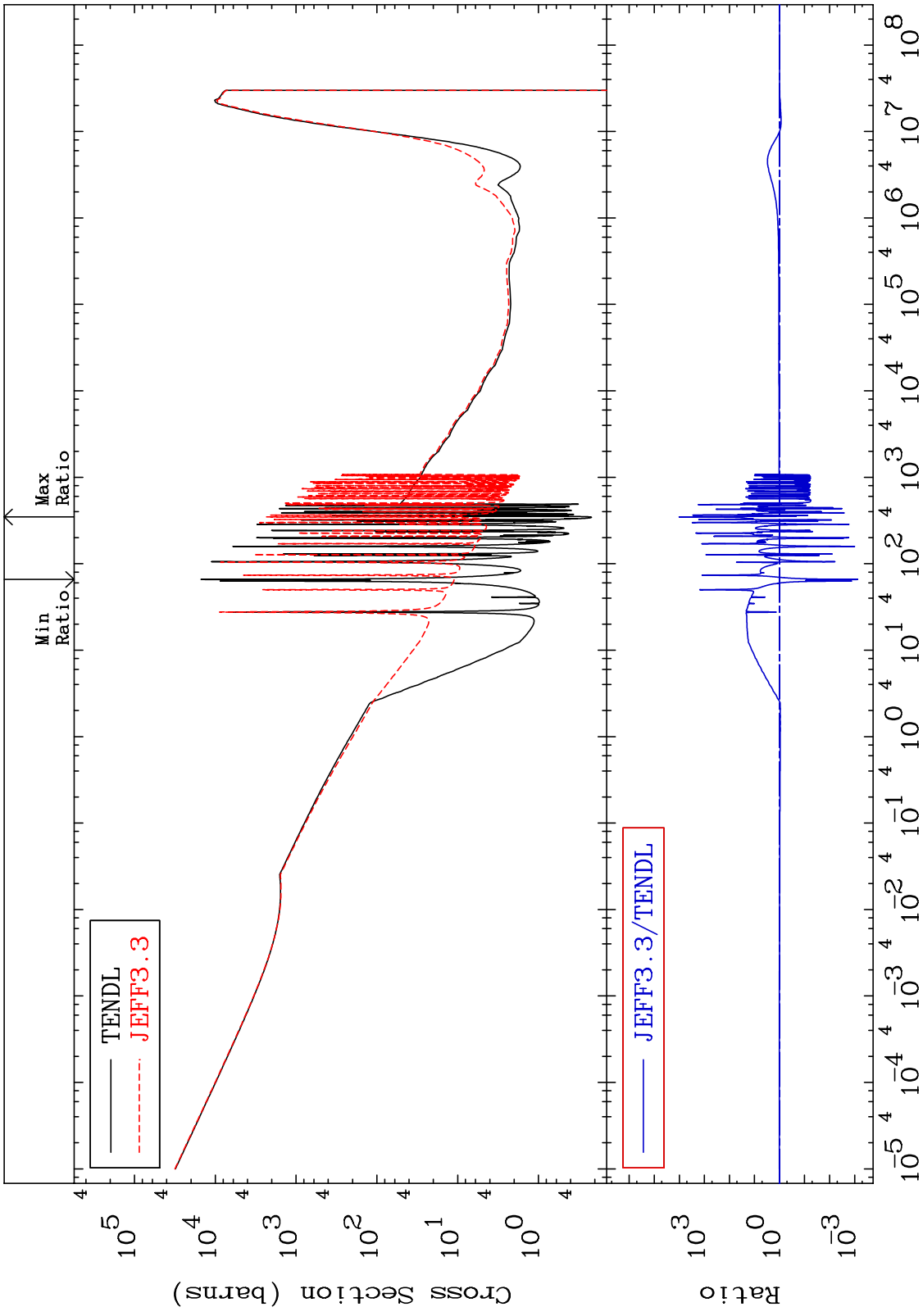


MAT 7825 Dpa inelastic (mt51-91) 78-Pt-190
 Cross Section -0.095 To 0.718 %

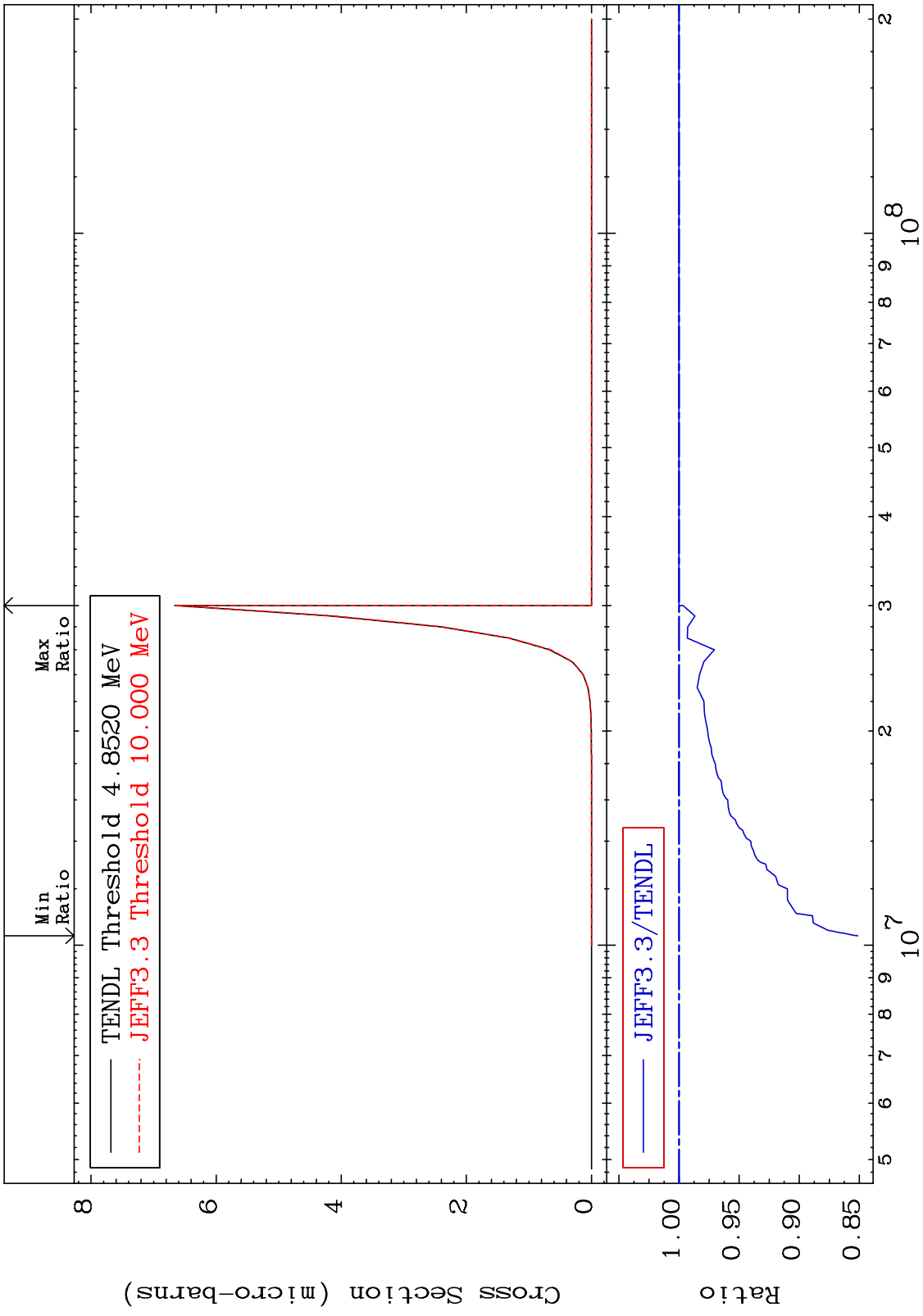


75 Incident Energy (eV) 78-Pt-190

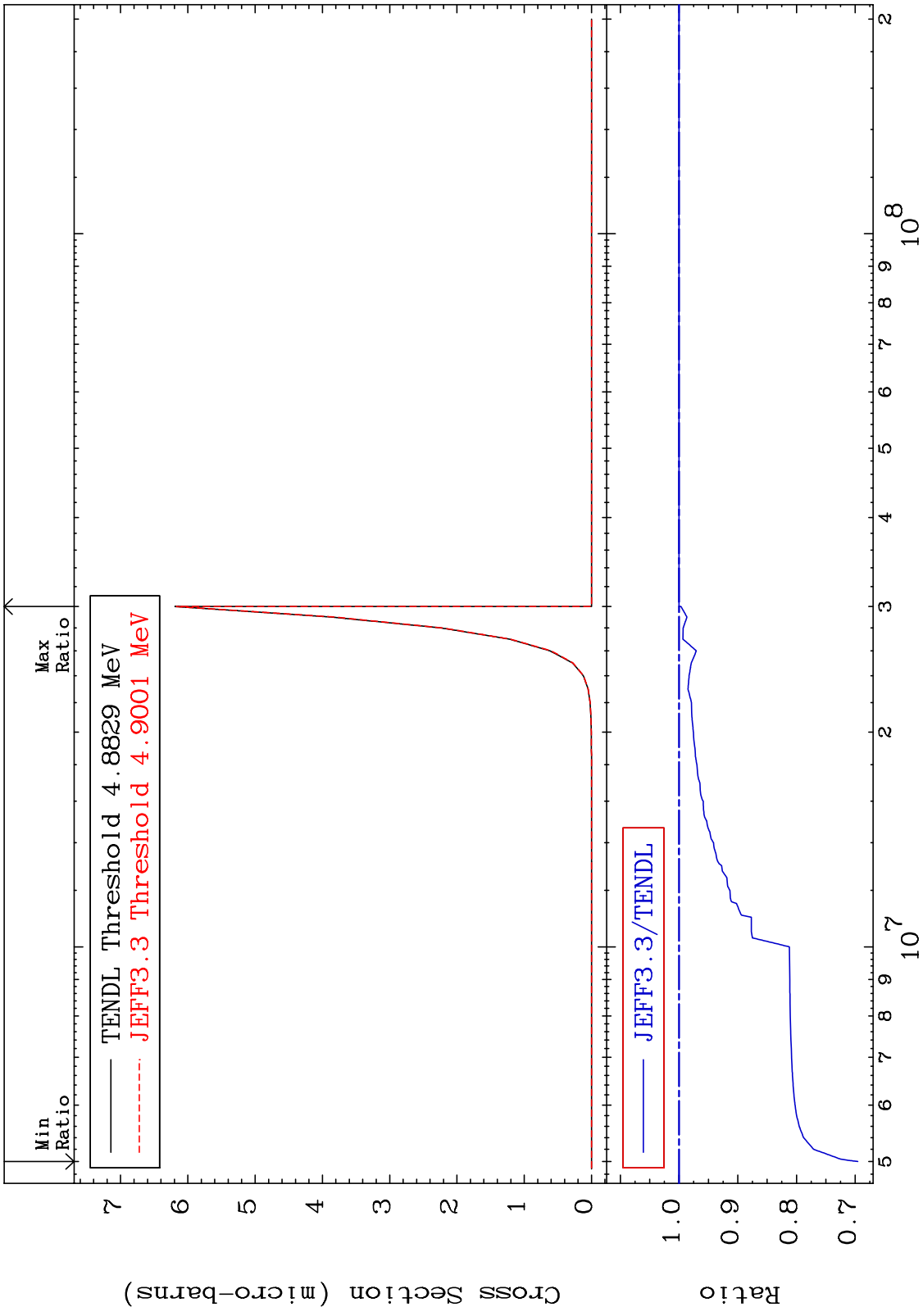
MAT 7825 Dpa disappearance (mt102 -120) 78-Pt-190
 Cross Section -99.93 To 9999. %



MAT 7825 (n,2p):76-0s-189g 78-Pt-190
 Radionuclide Production Cross Section -14.87 To 0.000 %



MAT 7825 (n,2p):76-0s-189m1 78-Pt-190
 Radionuclide Production Cross Section -30.45 To 0.000 %



78 78-Pt-190

MAT 7825 (n,2p):76-0s-189m1 78-Pt-190
 Radionuclide Production Cross Section -30.45 To 0.000 %

