

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

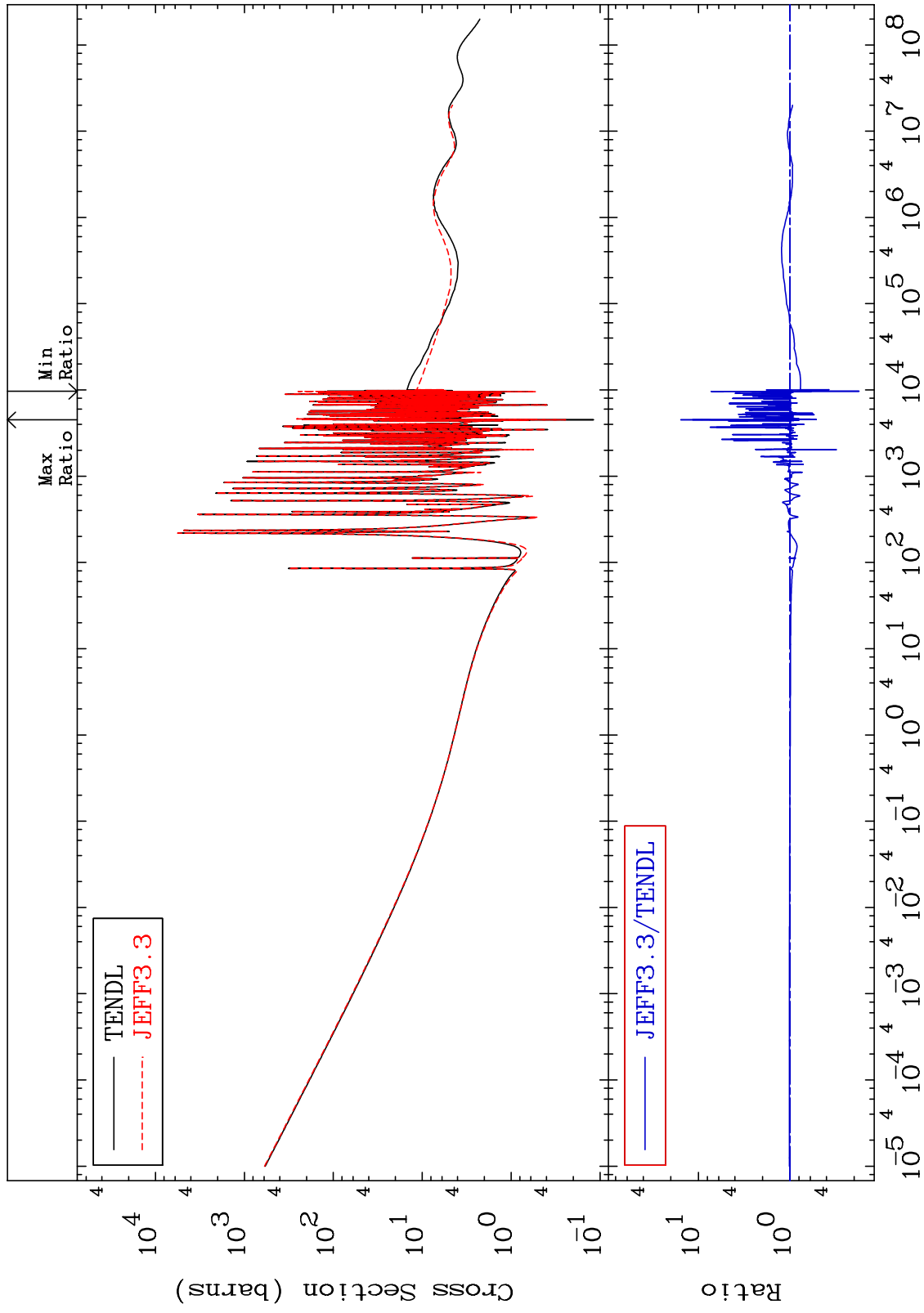
MAT 5925

Total

59-Pr-141

Cross Section

-82.29 To 1463. %



1

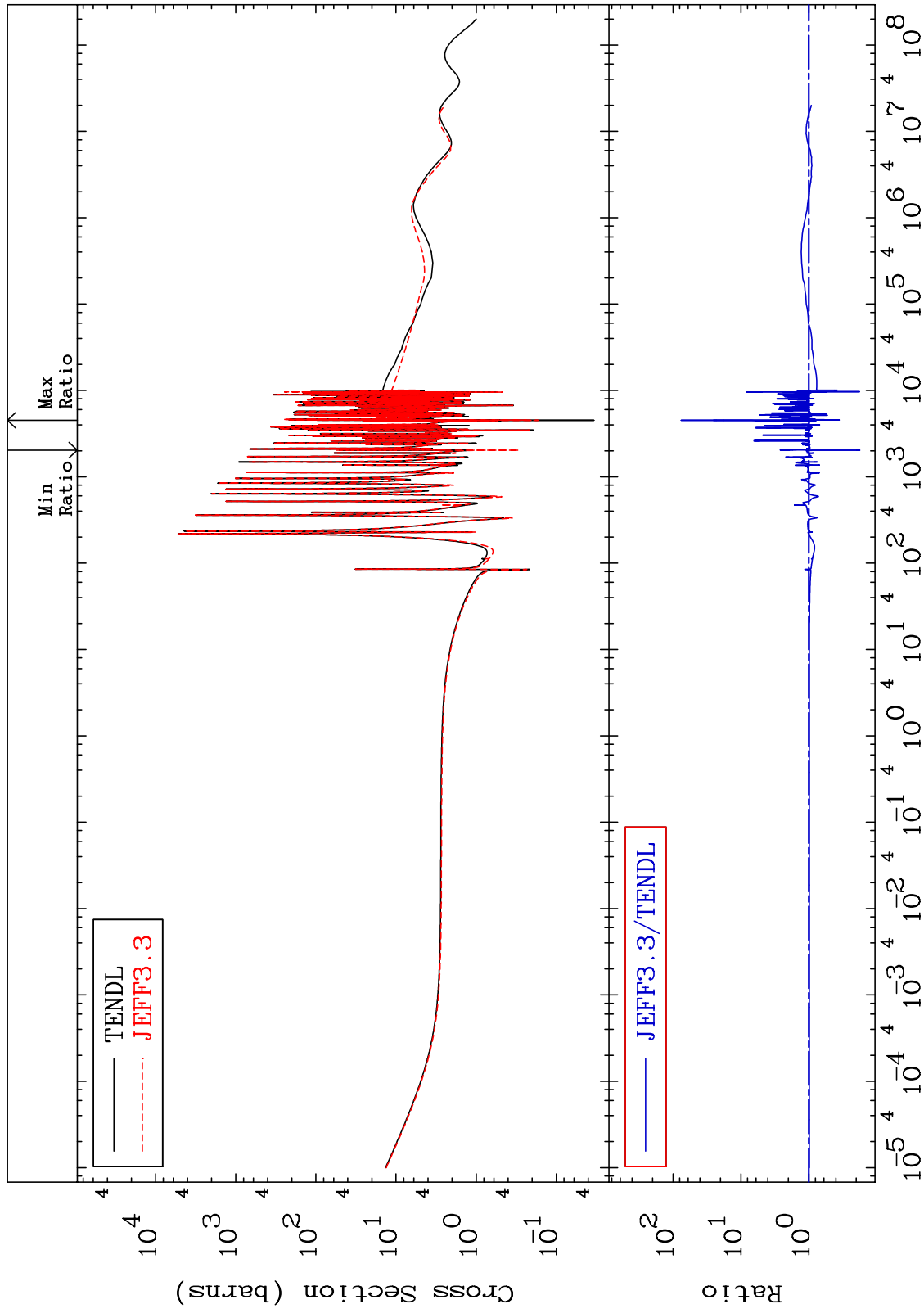
Incident Energy (eV)

59-Pr-141

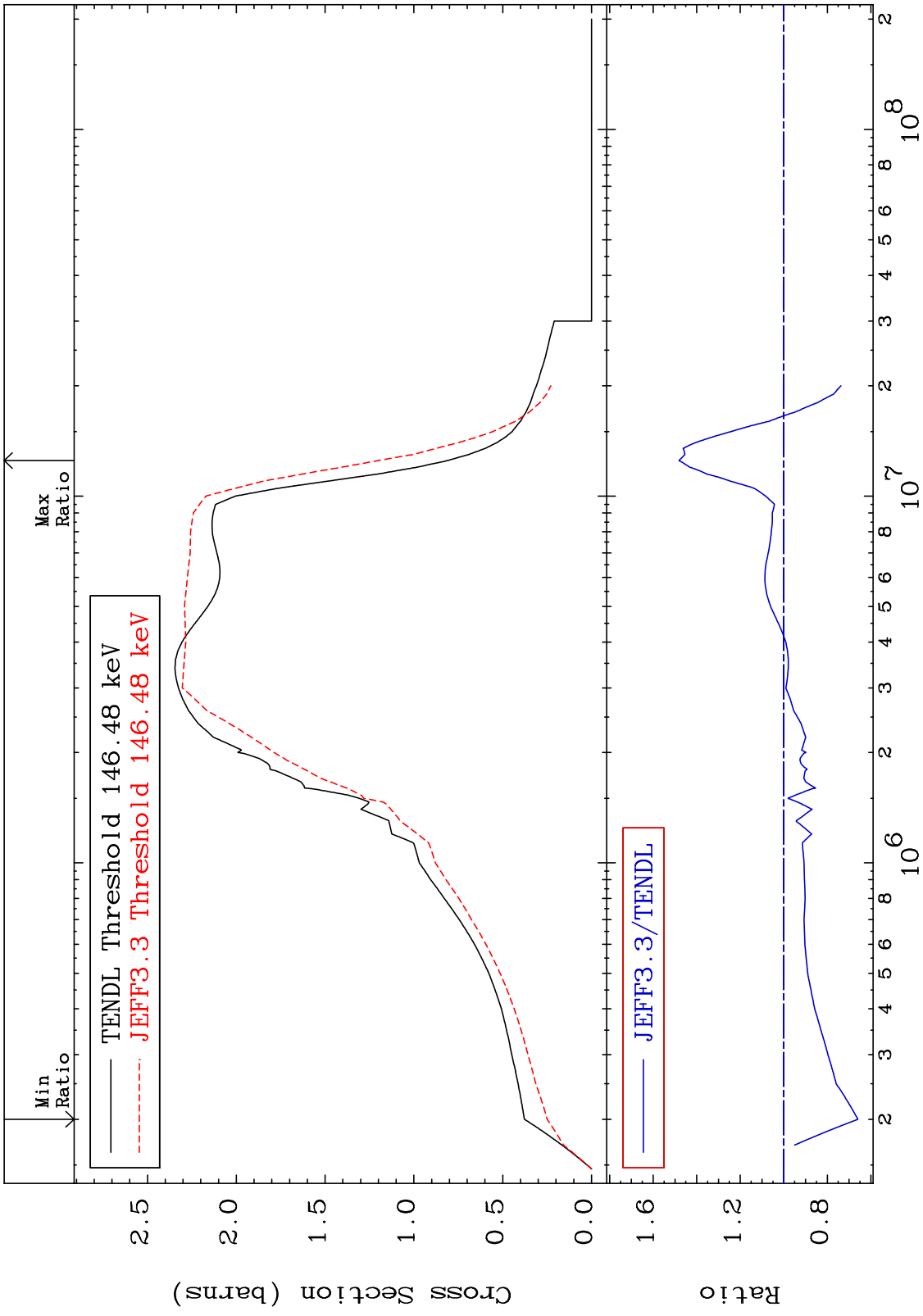
MAT 5925

Elastic  
Cross Section

59-Pr-141  
-82.24 To 7469. %

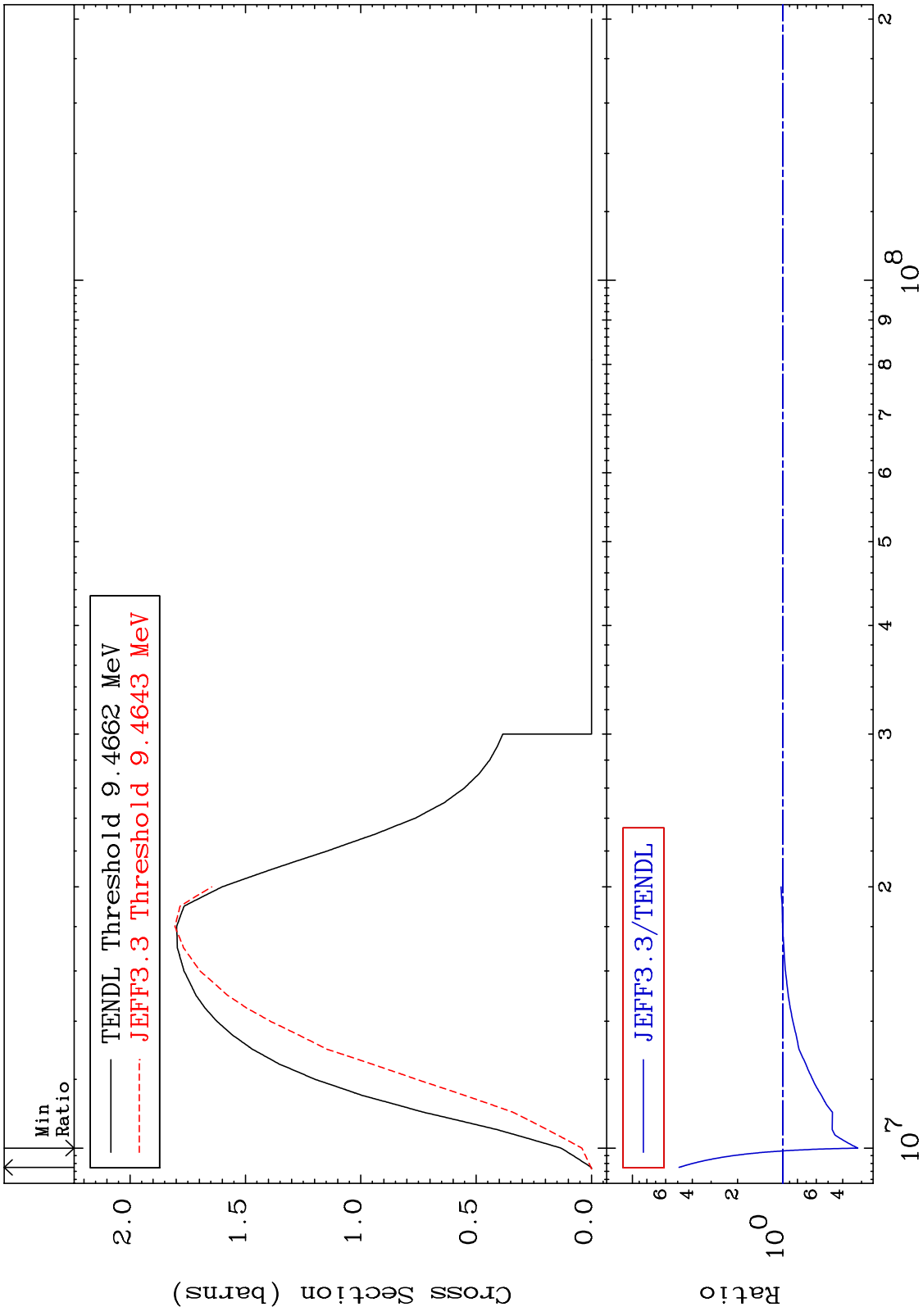


MAT 5925 59-Pr-141 Inelastic Cross Section -34.03 To 48.12 %



3 59-Pr-141

MAT 5925 (n,2n) Cross Section 59-Pr-141 -68.28 To 389.2 %



4 Incident Energy (eV) 59-Pr-141

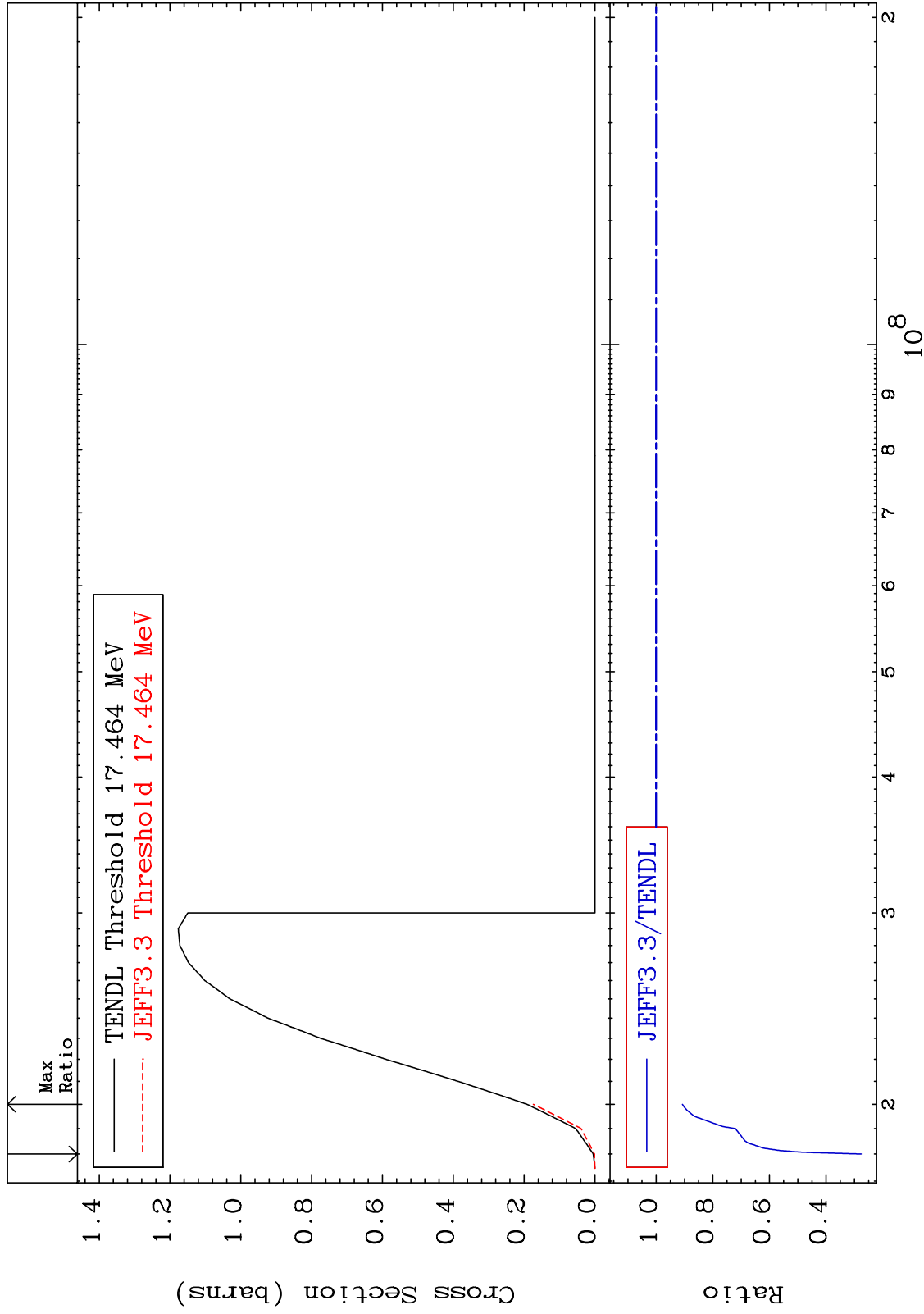
MAT 5925

(n,3n)

59-Pr-141

Cross Section

-72.41 To -9.279%



5

Incident Energy (eV)

59-Pr-141

MAT 5925

(n, n')  $\alpha$

59-Pr-141

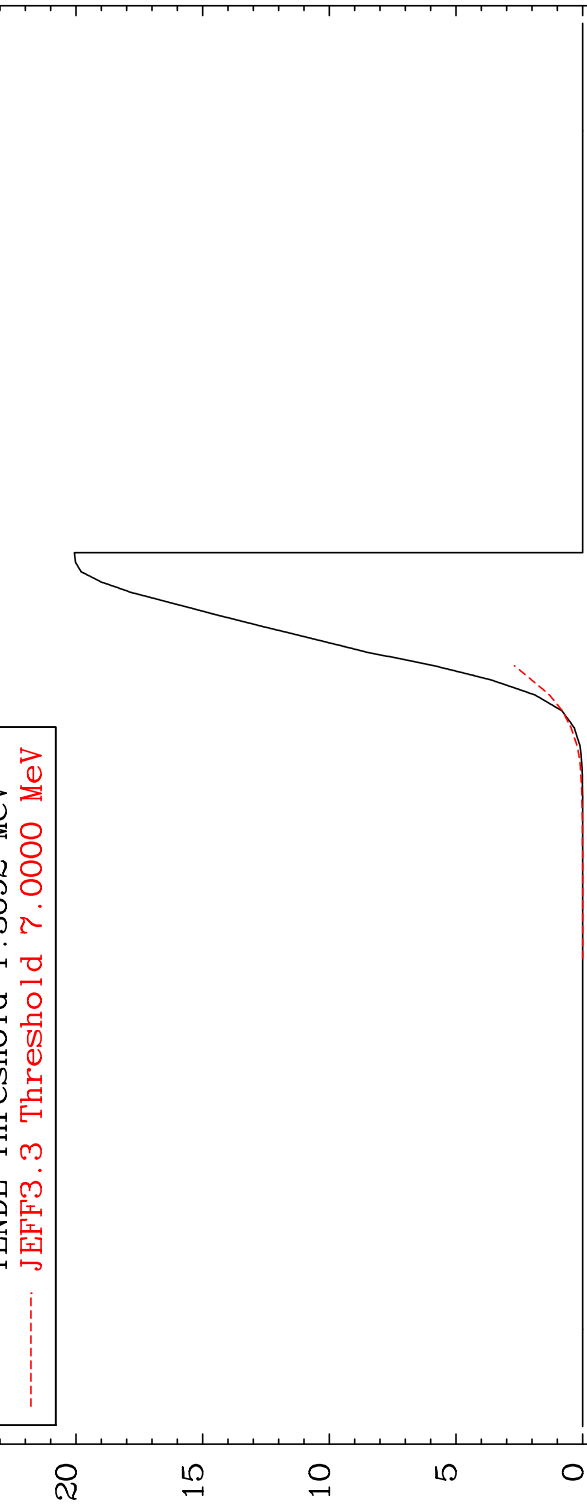
-54.04 To 4552. %

Cross Section

Max Ratio  
Min Ratio

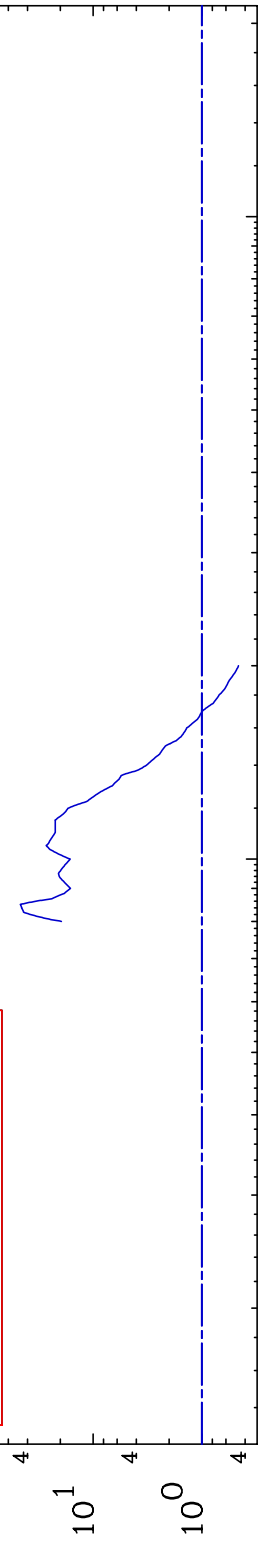
TENDL Threshold 1.3092 MeV  
JEFF3.3 Threshold 7.0000 MeV

Cross Section (milli-barns)



JEFF3.3/TENDL

Ratio



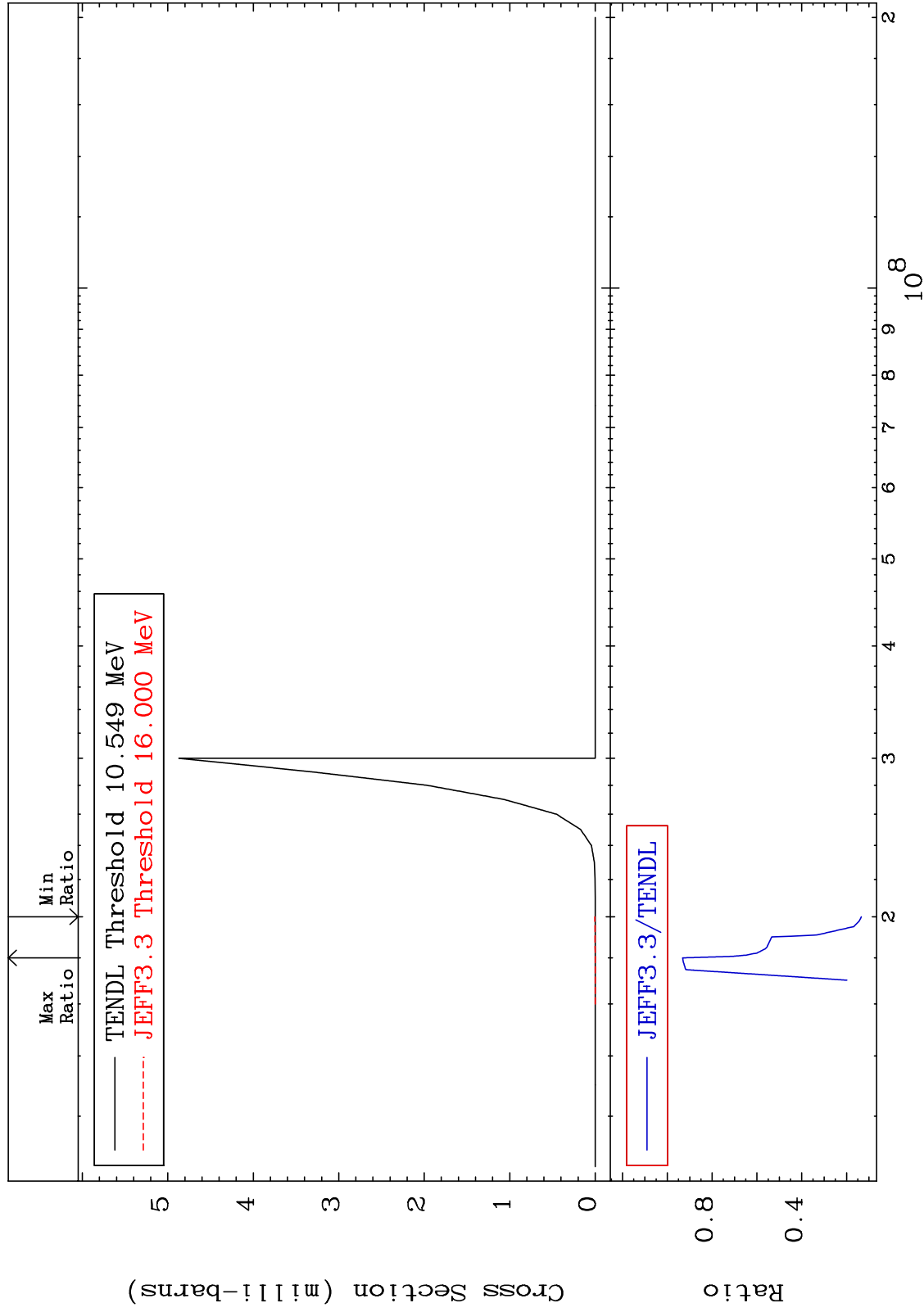
MAT 5925

(n,2n)  $\alpha$

59-Pr-141

Cross Section

9999. To 9999. %

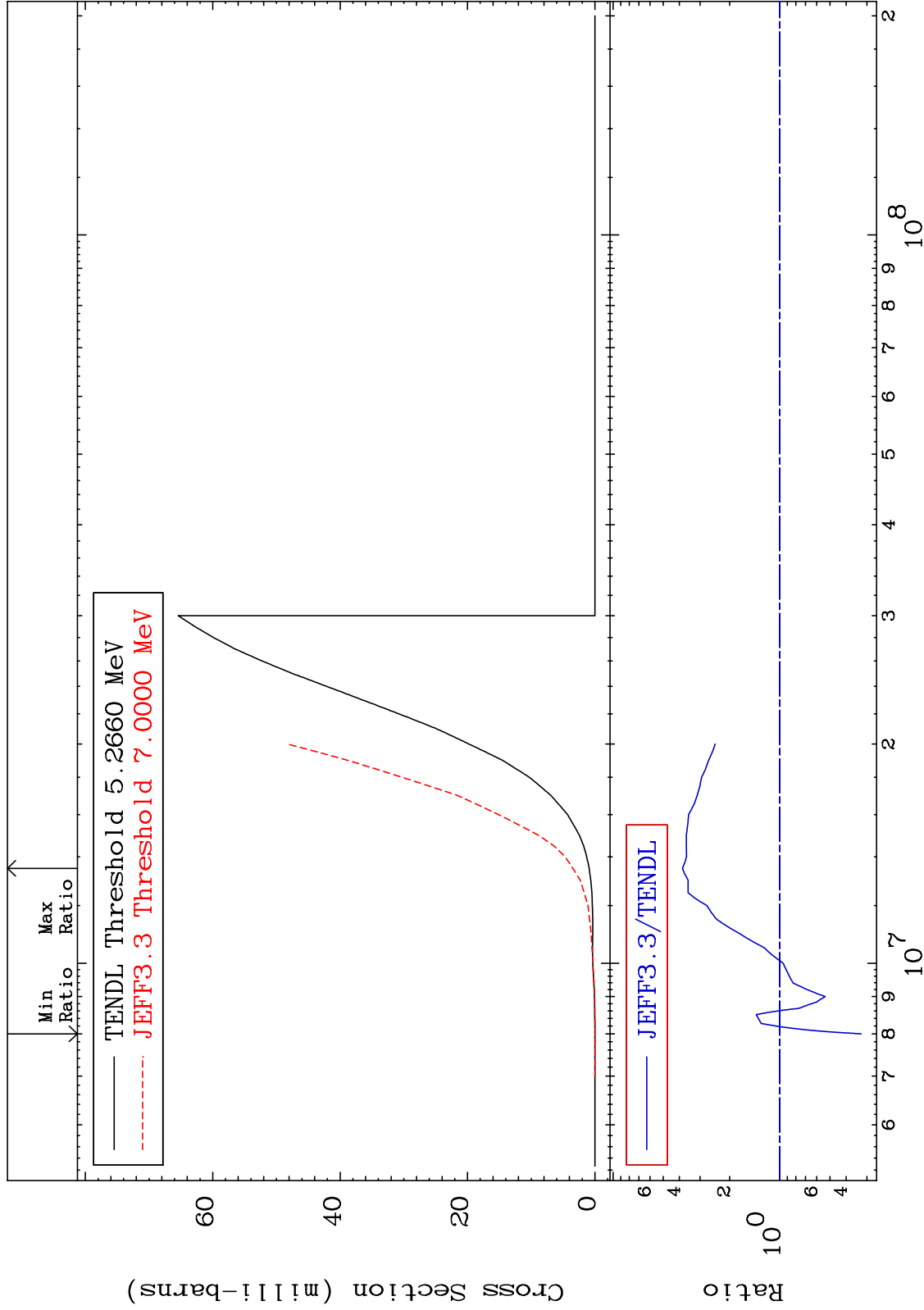




MAT 5925

(n, n') p  
Cross Section

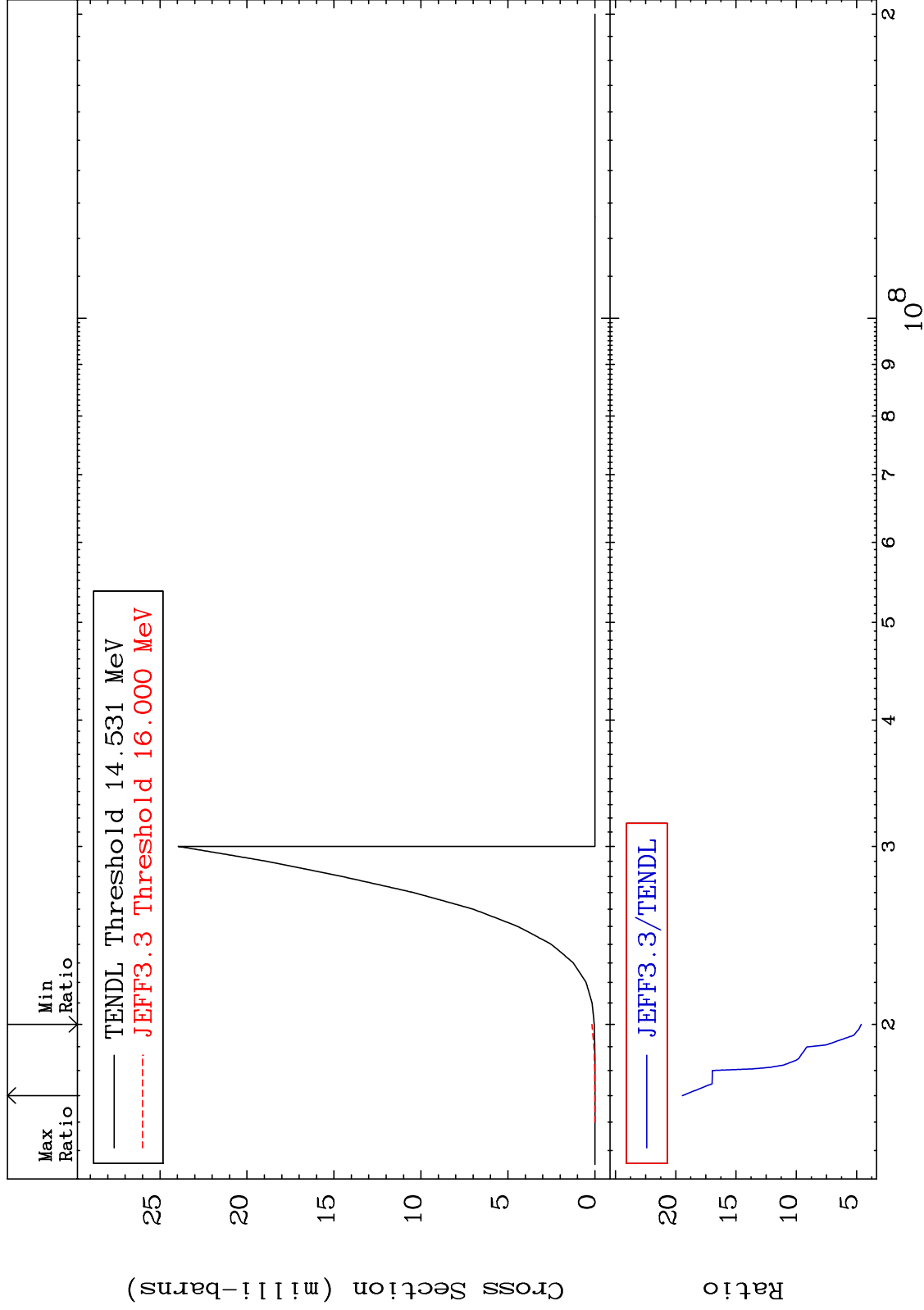
59-Pr-141  
-67.59 To 283.3 %



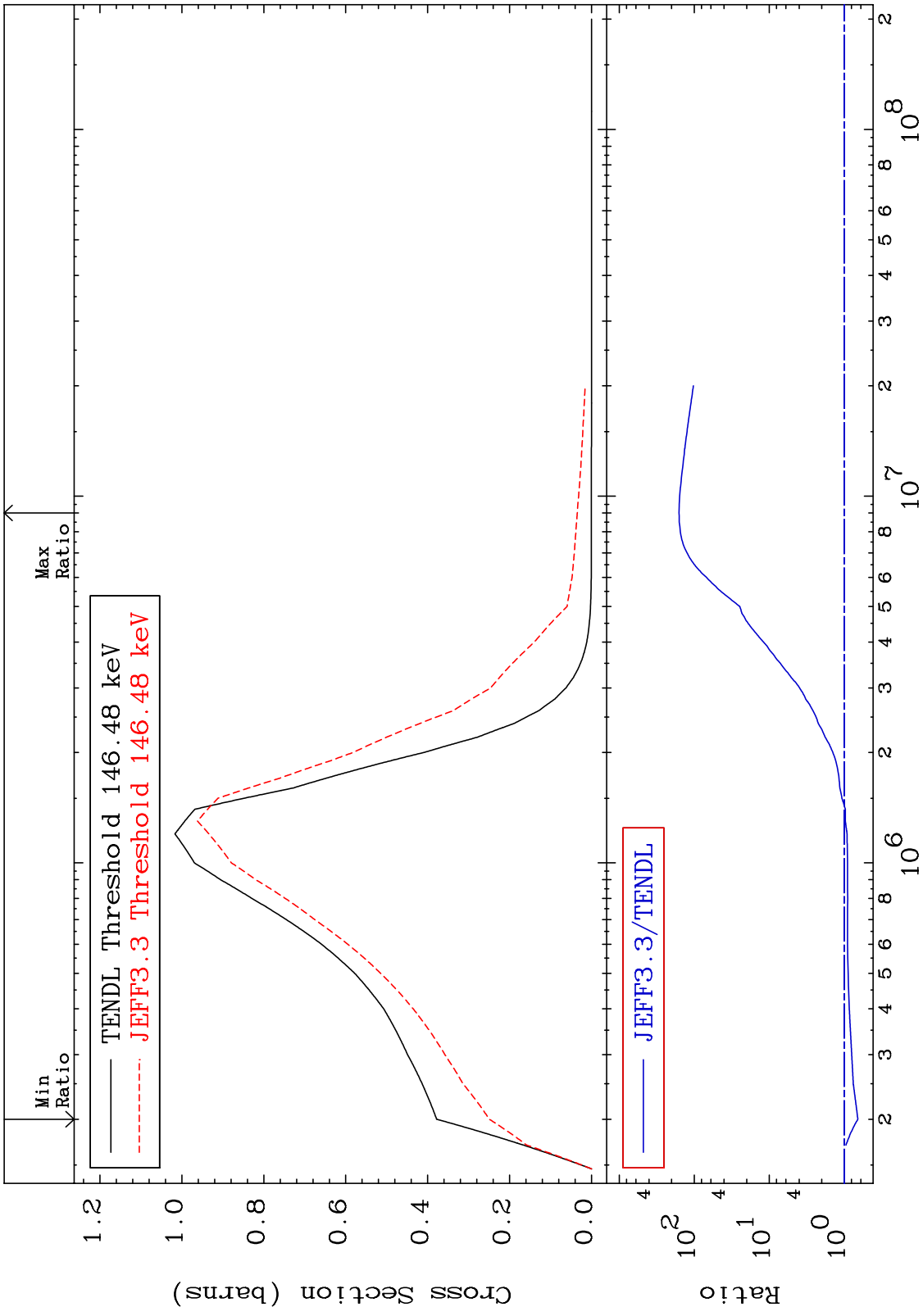
MAT 5925

(n,2n) p  
Cross Section

59-Pr-141  
361.9 To 1844. %

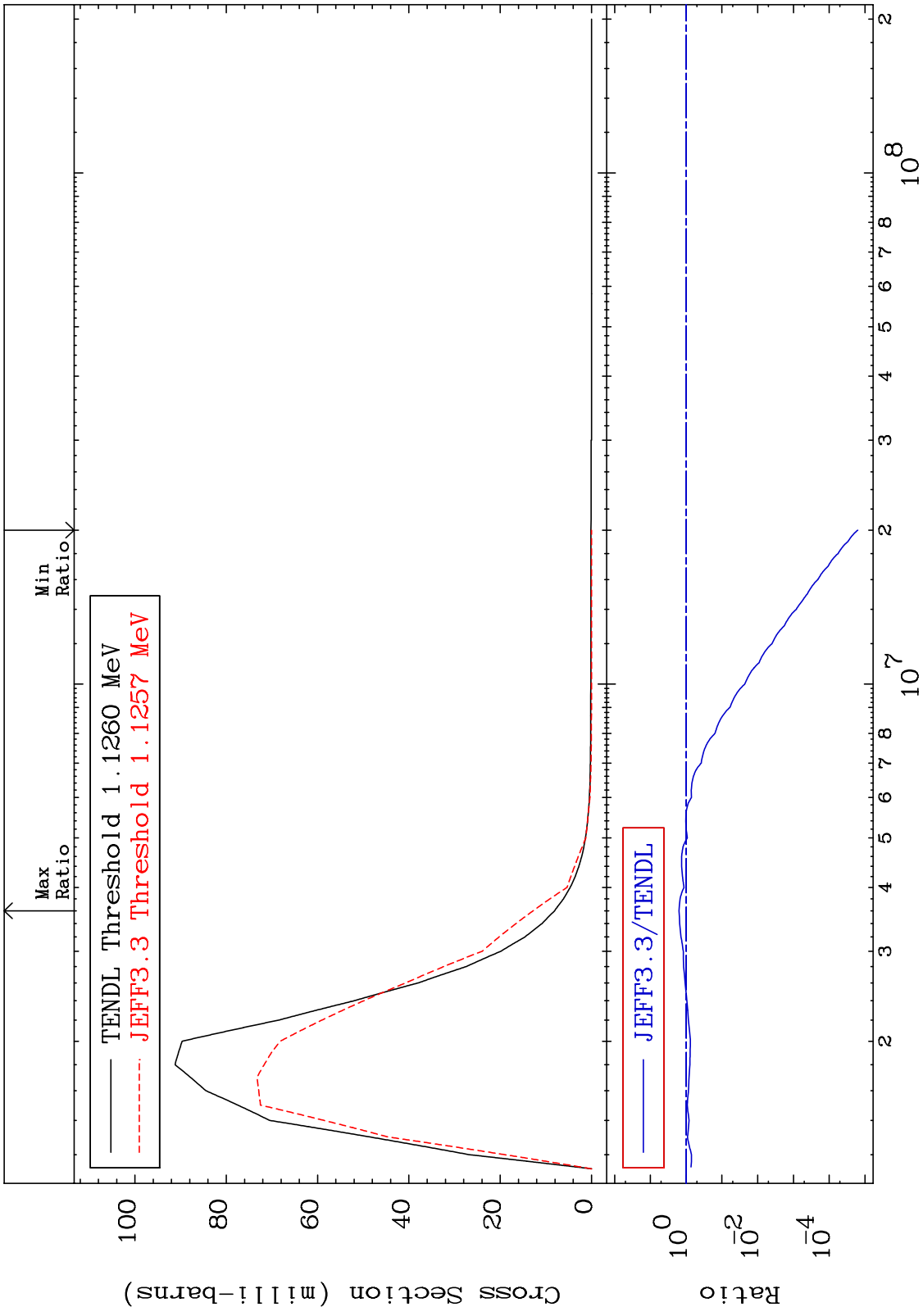


MAT 5925 MT= 51 (n,n') Level Cross Section 59-Pr-141  
 -34.03 To 9999. %

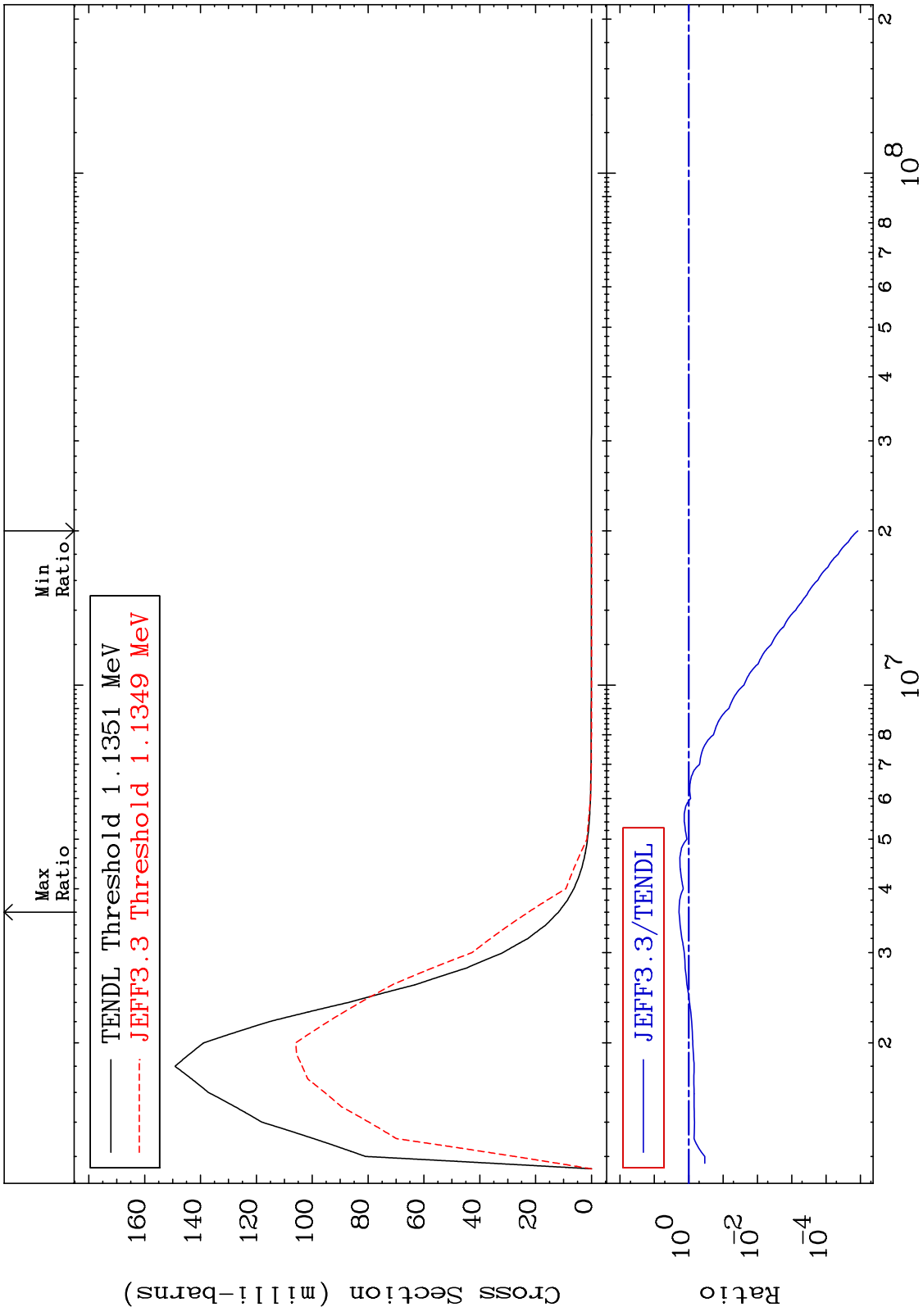


10 Incident Energy (eV) 59-Pr-141

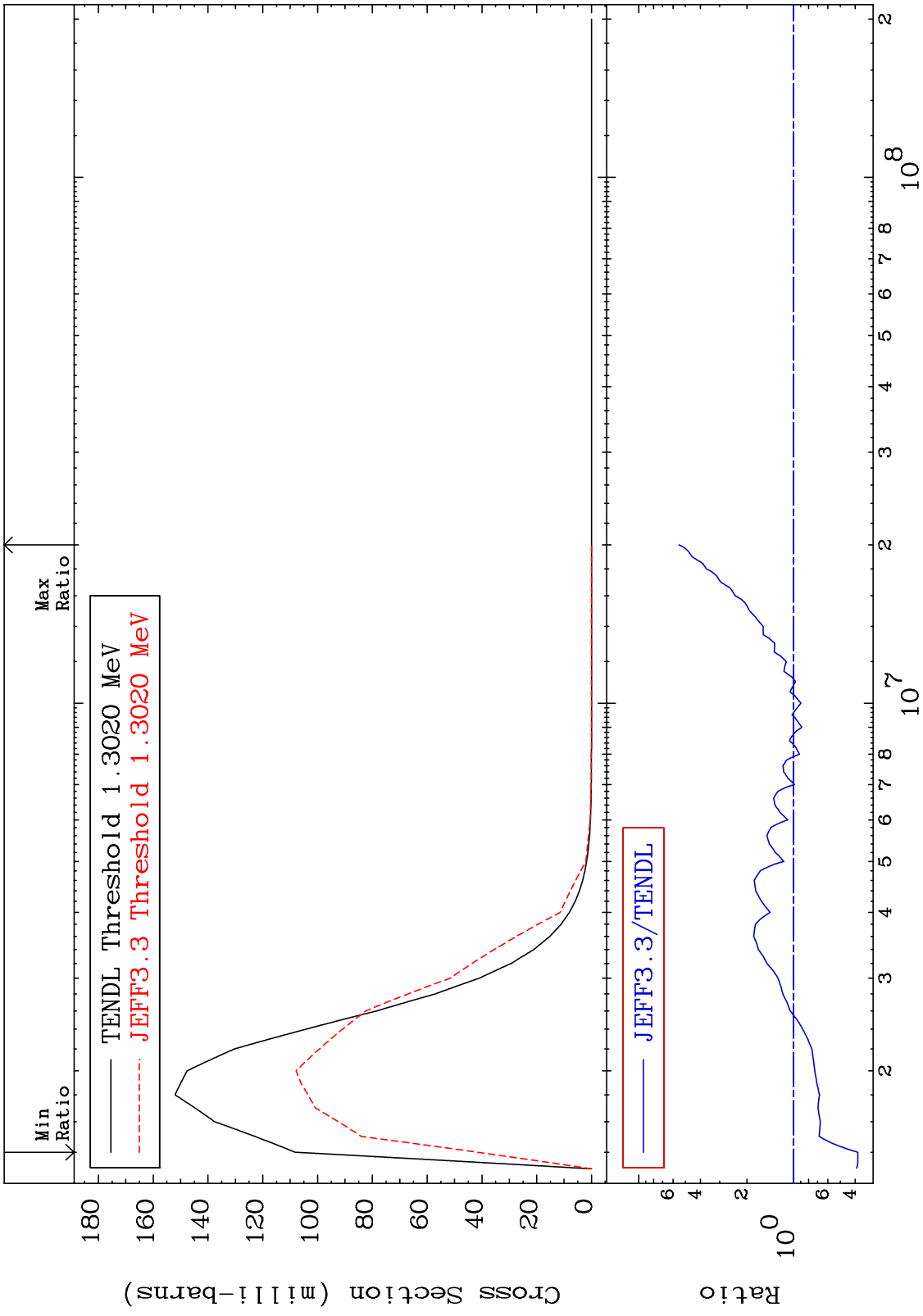
MAT 5925 MT= 52 (n,n') Level Cross Section 59-Pr-141 -100.0 To 57.99 %



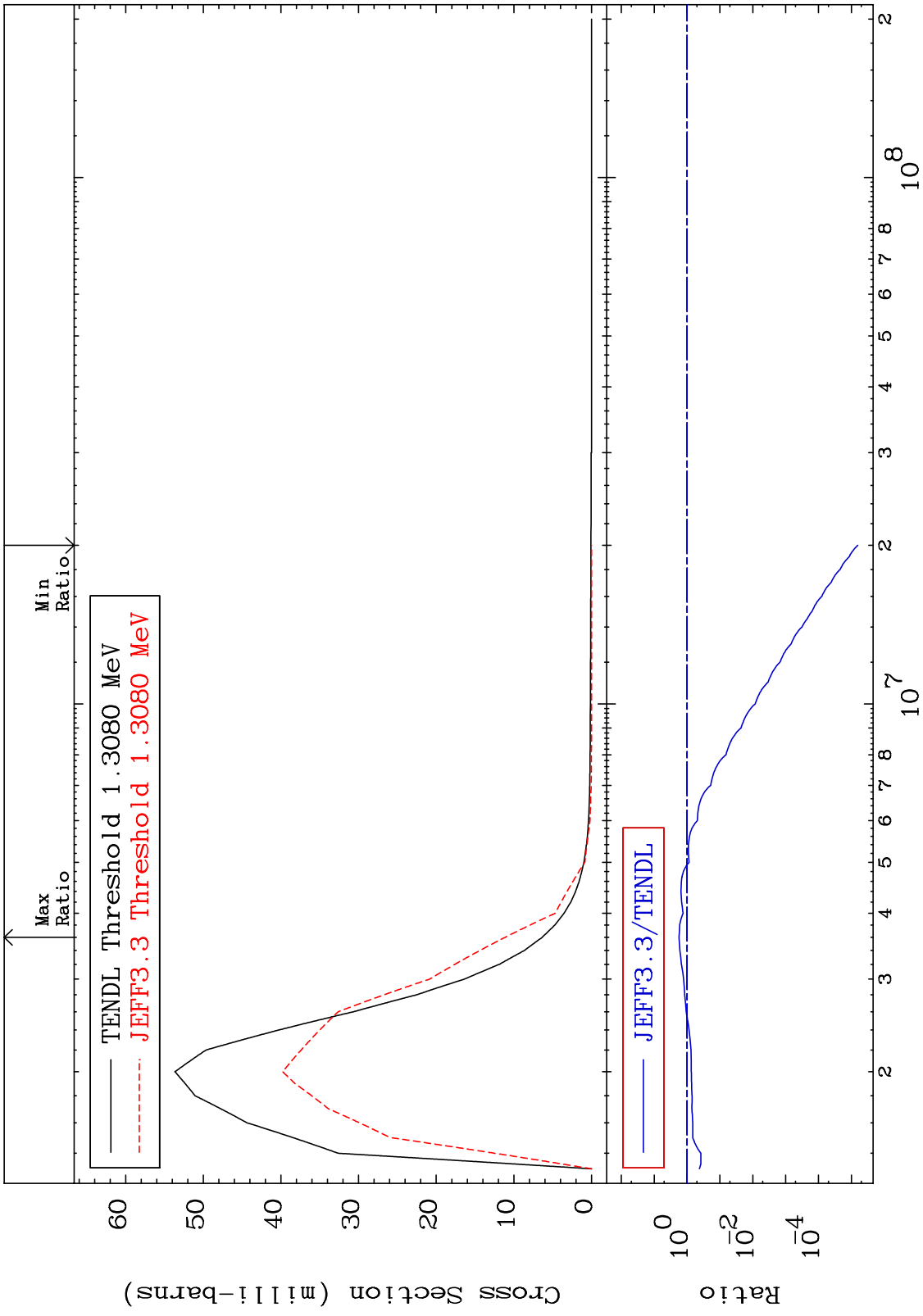
MAT 5925 MT= 53 (n, n') Level Cross Section 59-Pr-141 -100.0 To 91.37 %



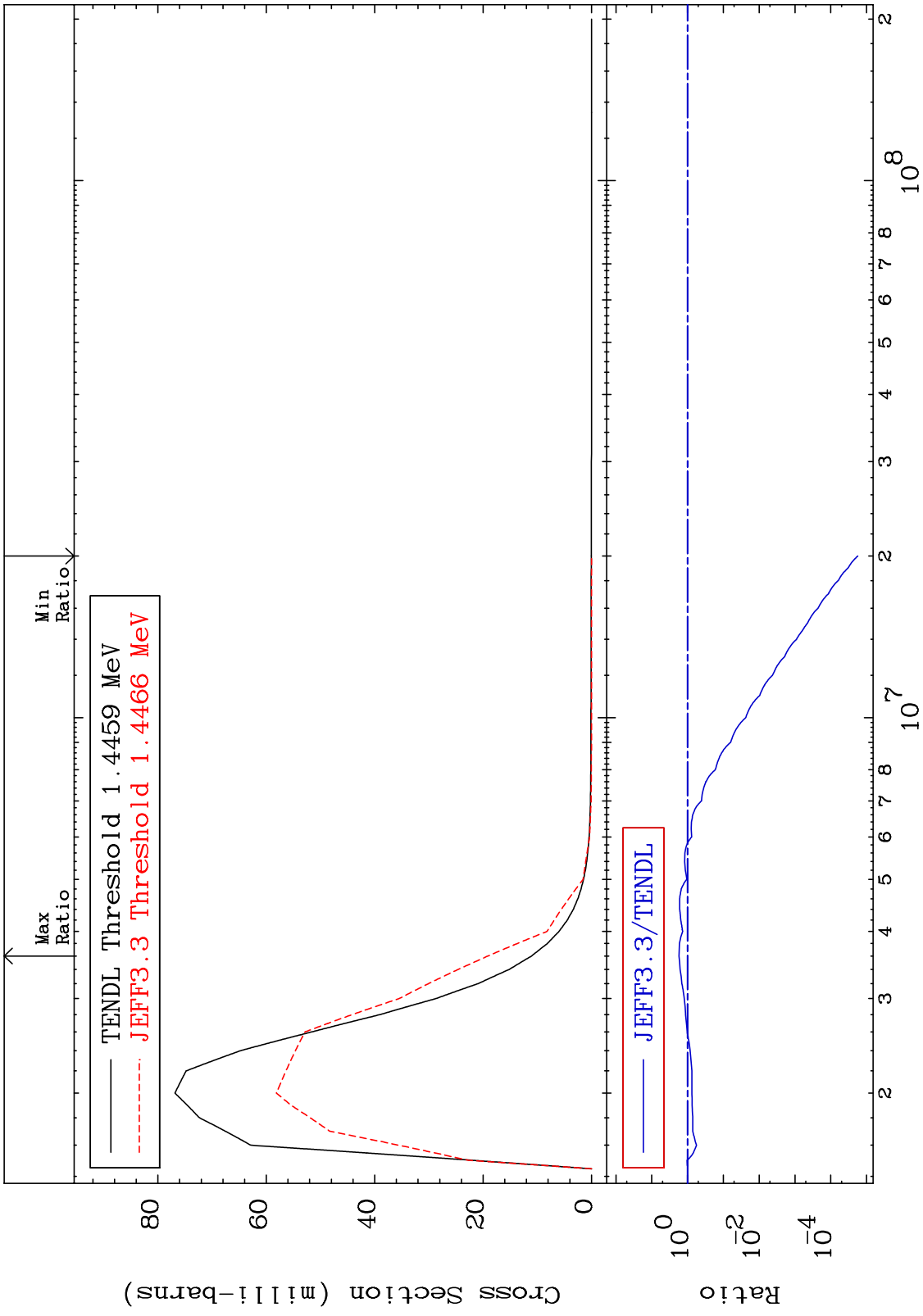
MAT 5925 MT= 54 (n,n') Level Cross Section 59-Pr-141 -61.53 To 448.6 %



MAT 5925 MT= 55 (n,n') Level Cross Section 59-Pr-141 -100.0 To 75.29 %

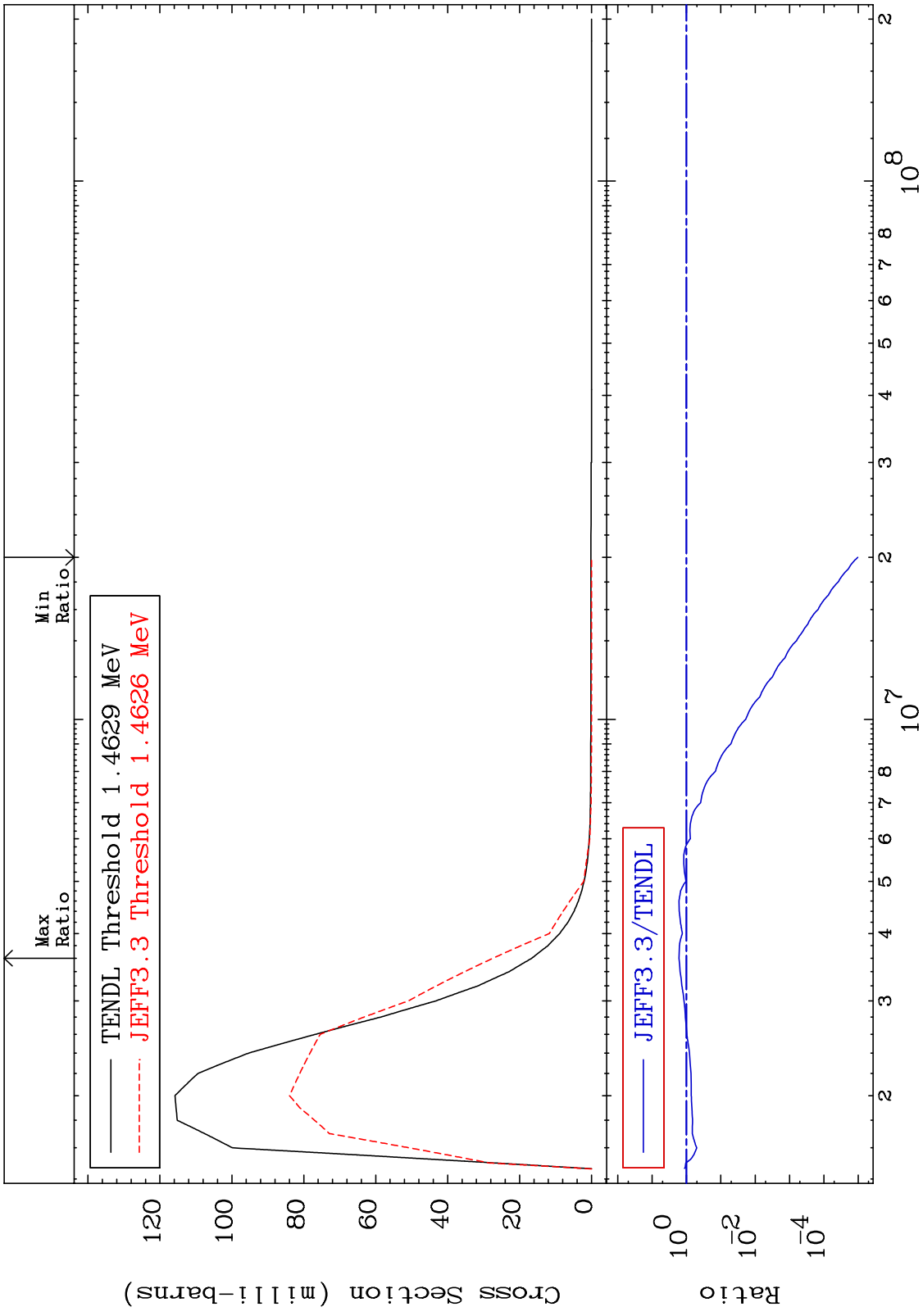


MAT 5925 MT= 56 (n,n') Level Cross Section 59-Pr-141 -100.0 To 72.75 %

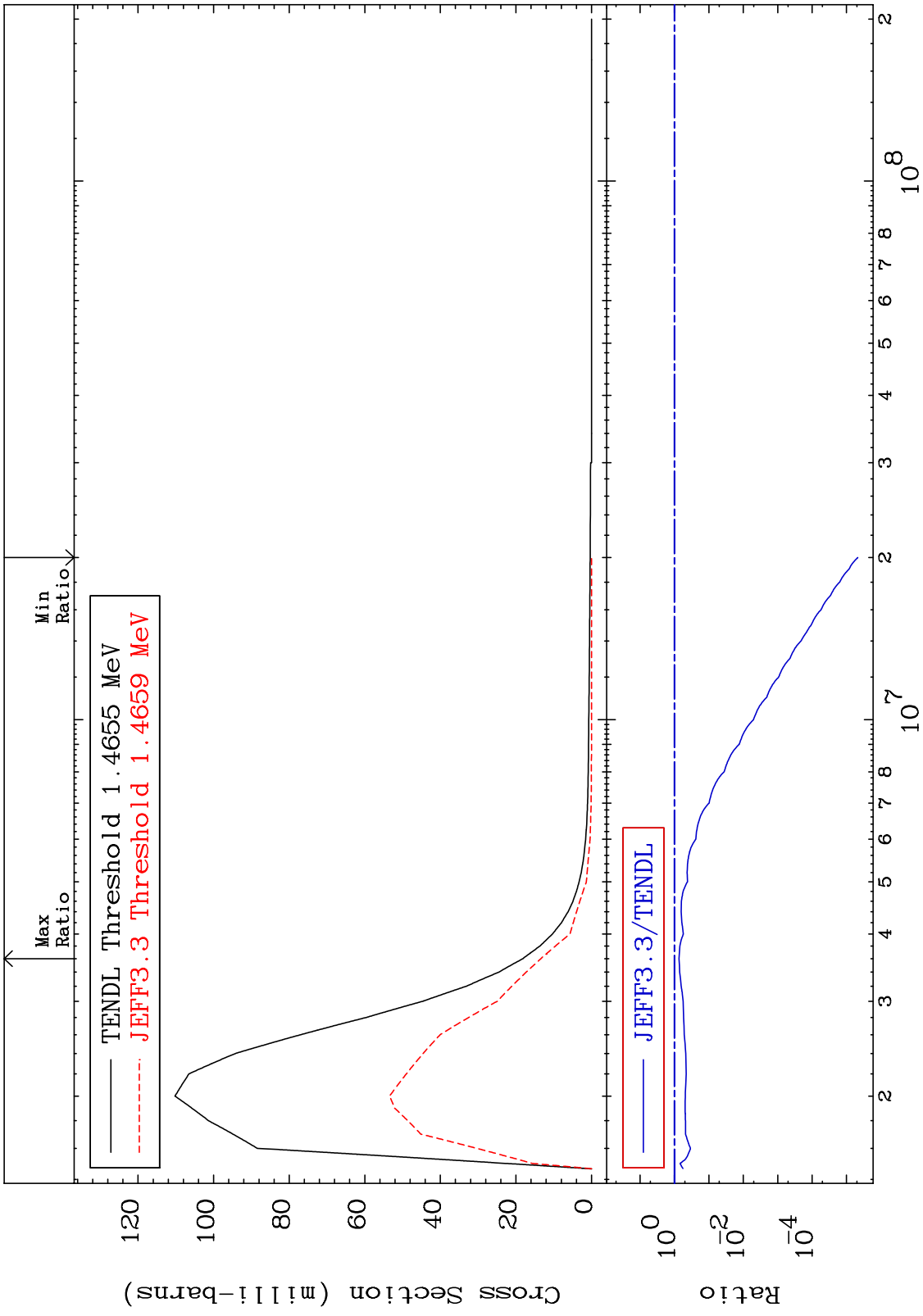




MAT 5925 MT= 57 (n,n') Level Cross Section 59-Pr-141 -100.0 To 64.88 %



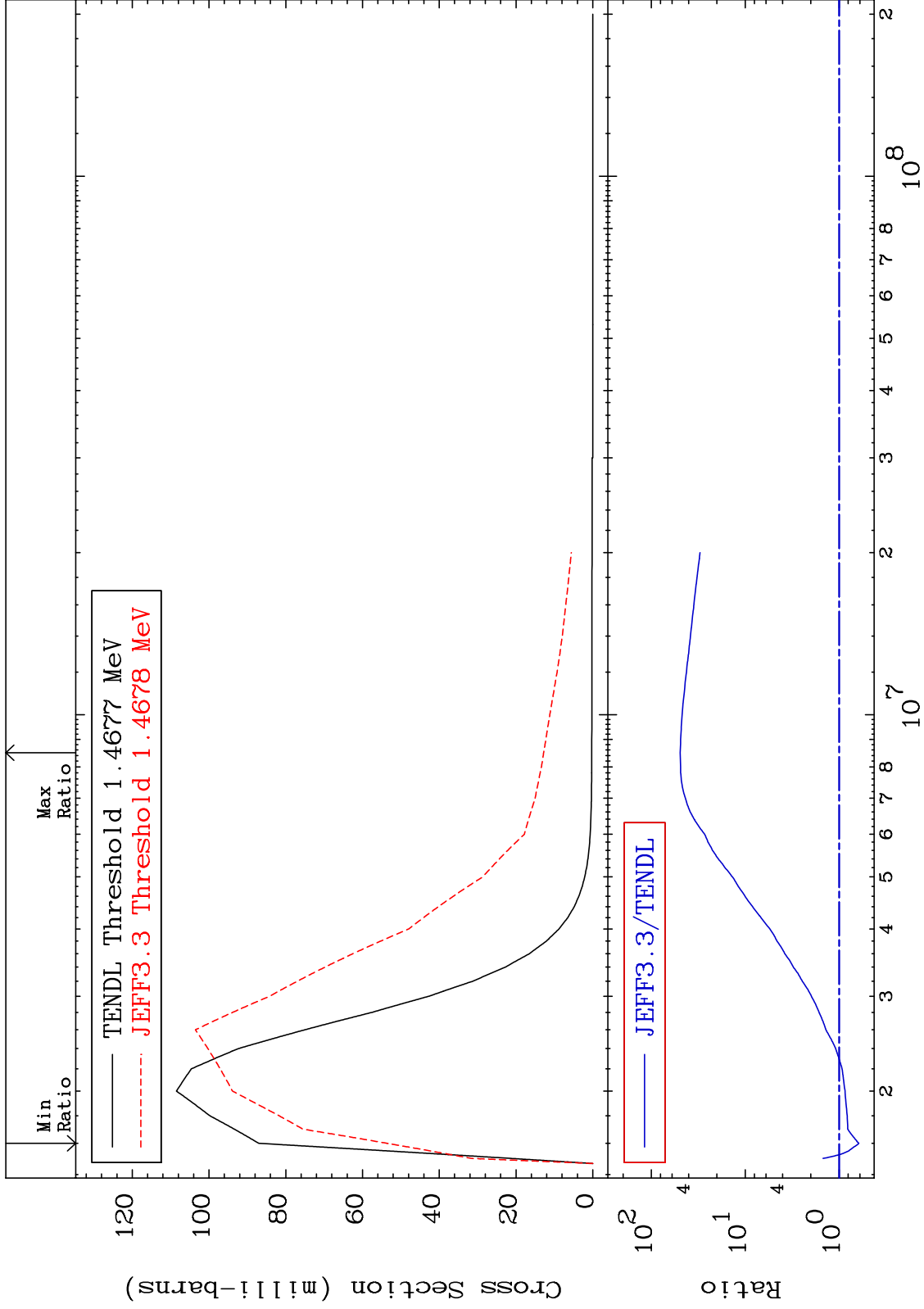
MAT 5925 MT= 58 (n,n') Level Cross Section 59-Pr-141 -100.0 To -26.33%



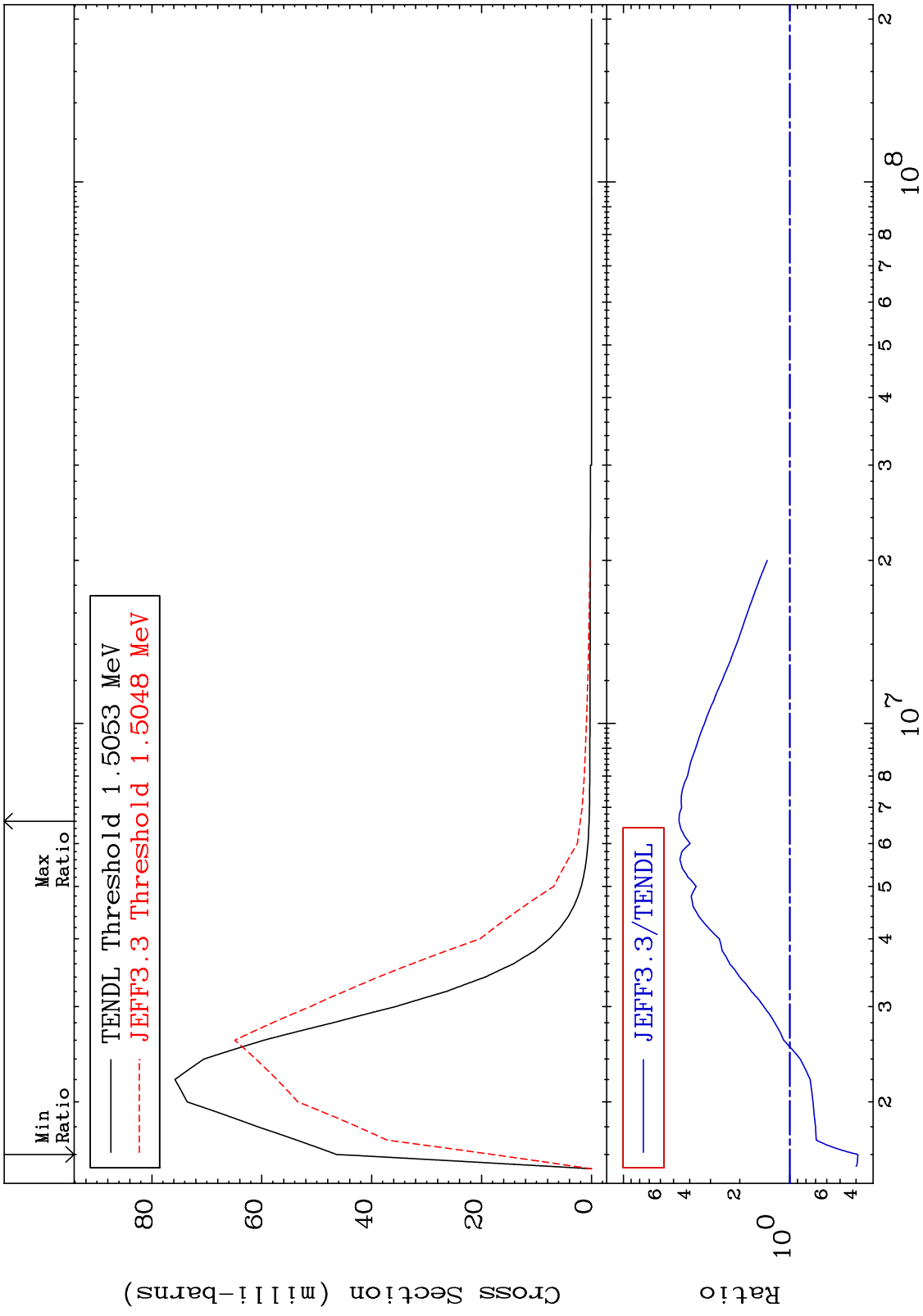
MAT 5925

MT= 59 (n,n') Level  
Cross Section

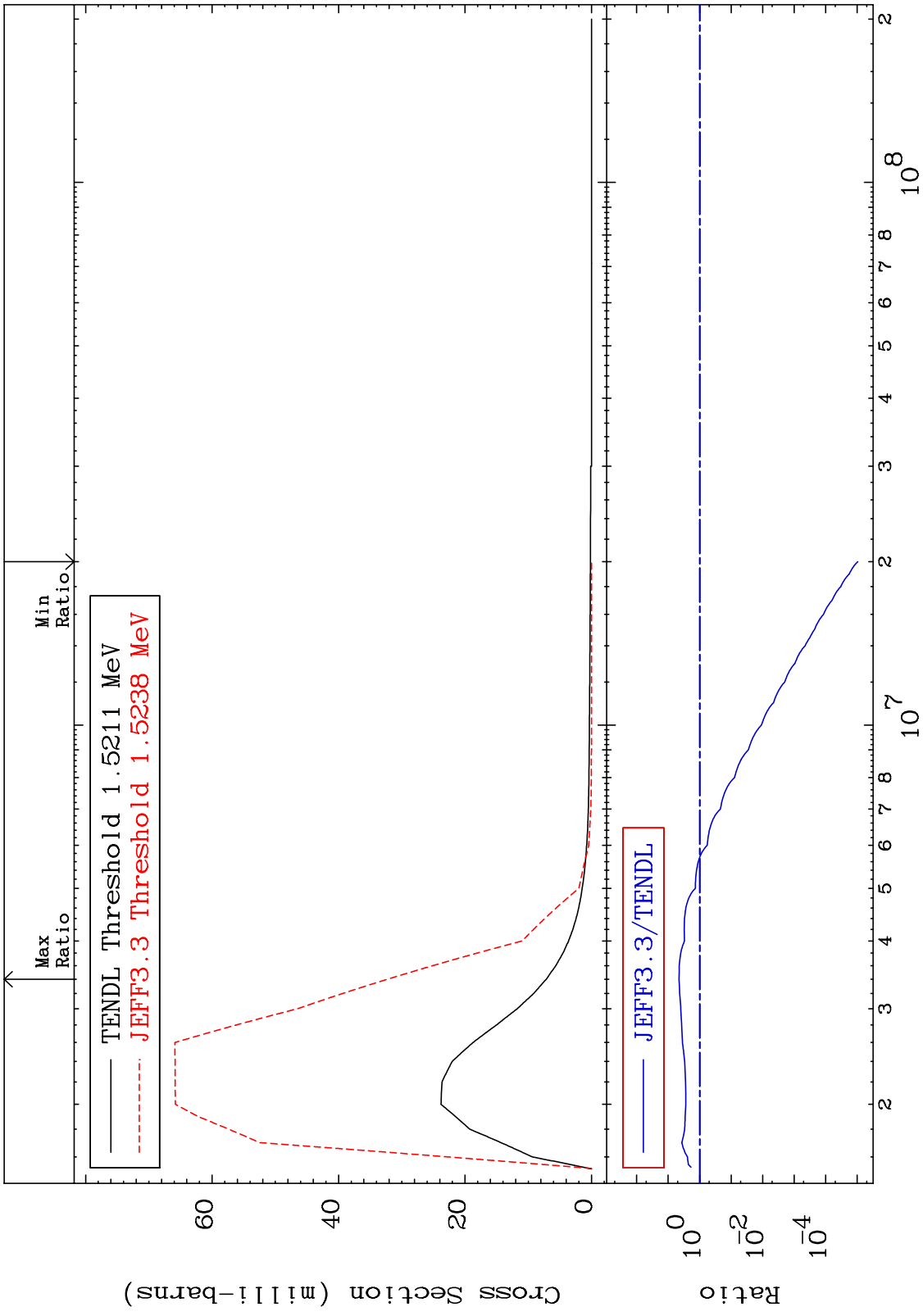
59-Pr-141  
-38.47 To 4825. %



MAT 5925 MT= 60 (n,n') Level Cross Section 59-Pr-141 -60.92 To 363.4 %



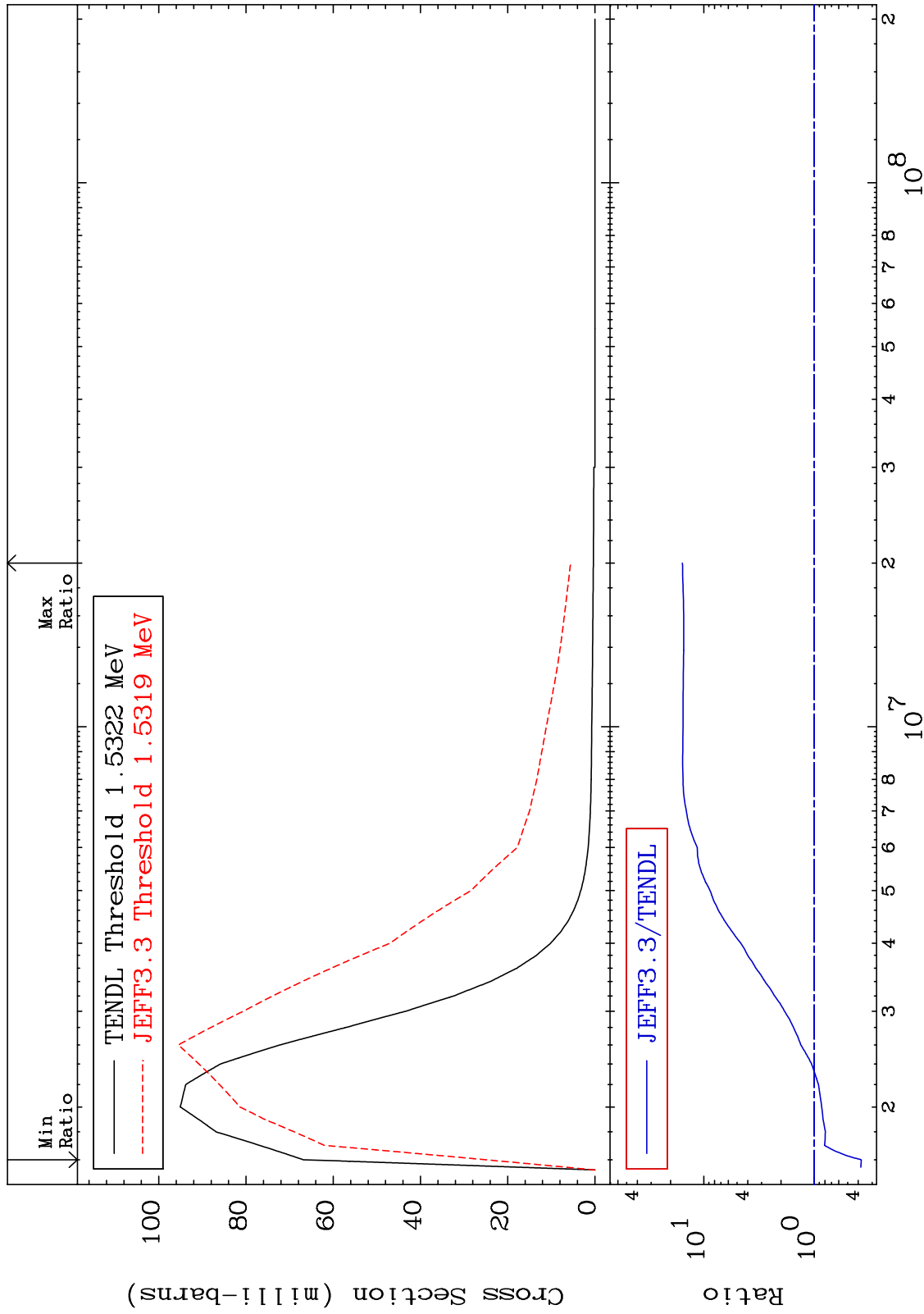
MAT 5925      MT= 61 (n,n') Level Cross Section      59-Pr-141  
 -100.0 To 350.7 %



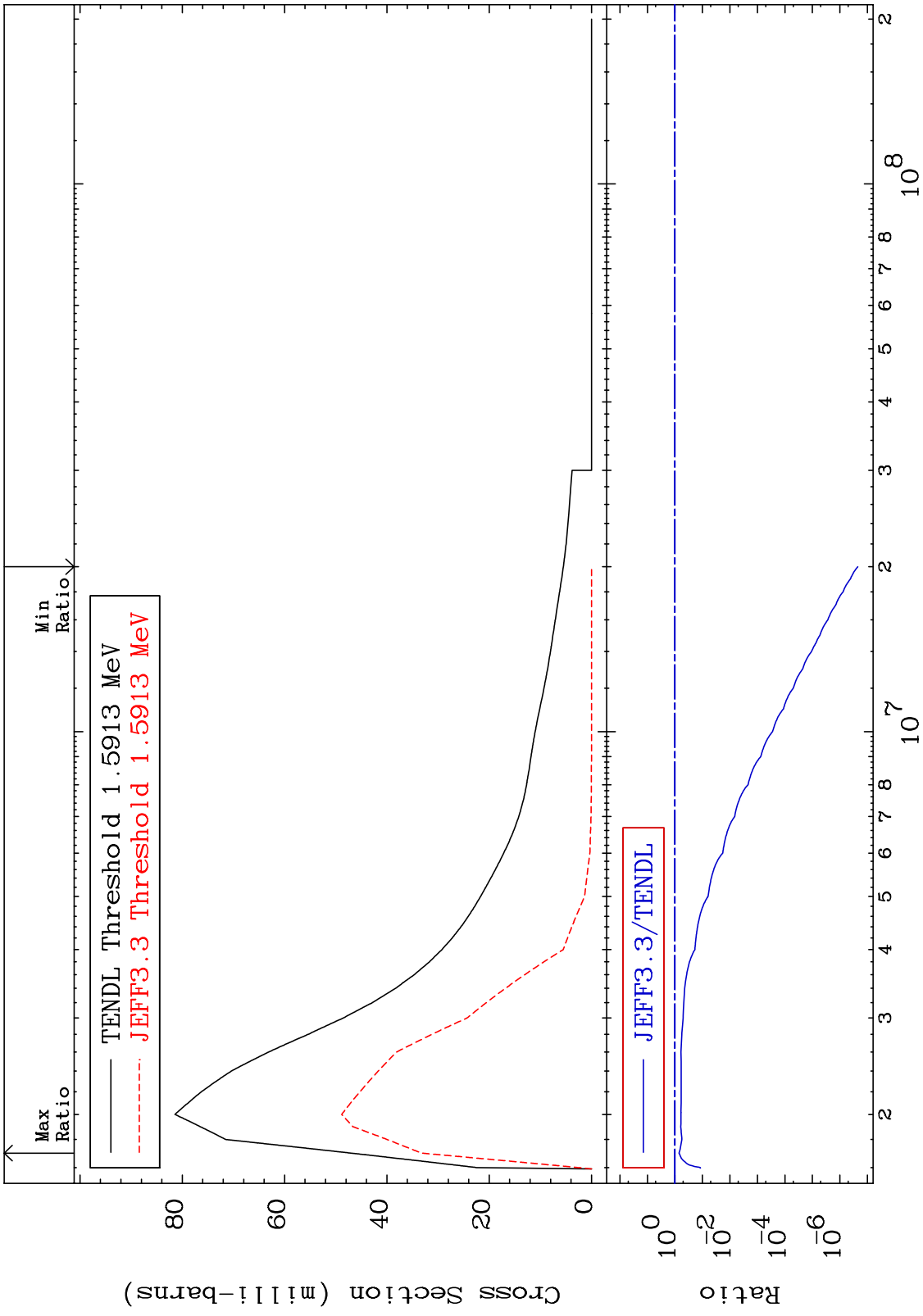
MAT 5925

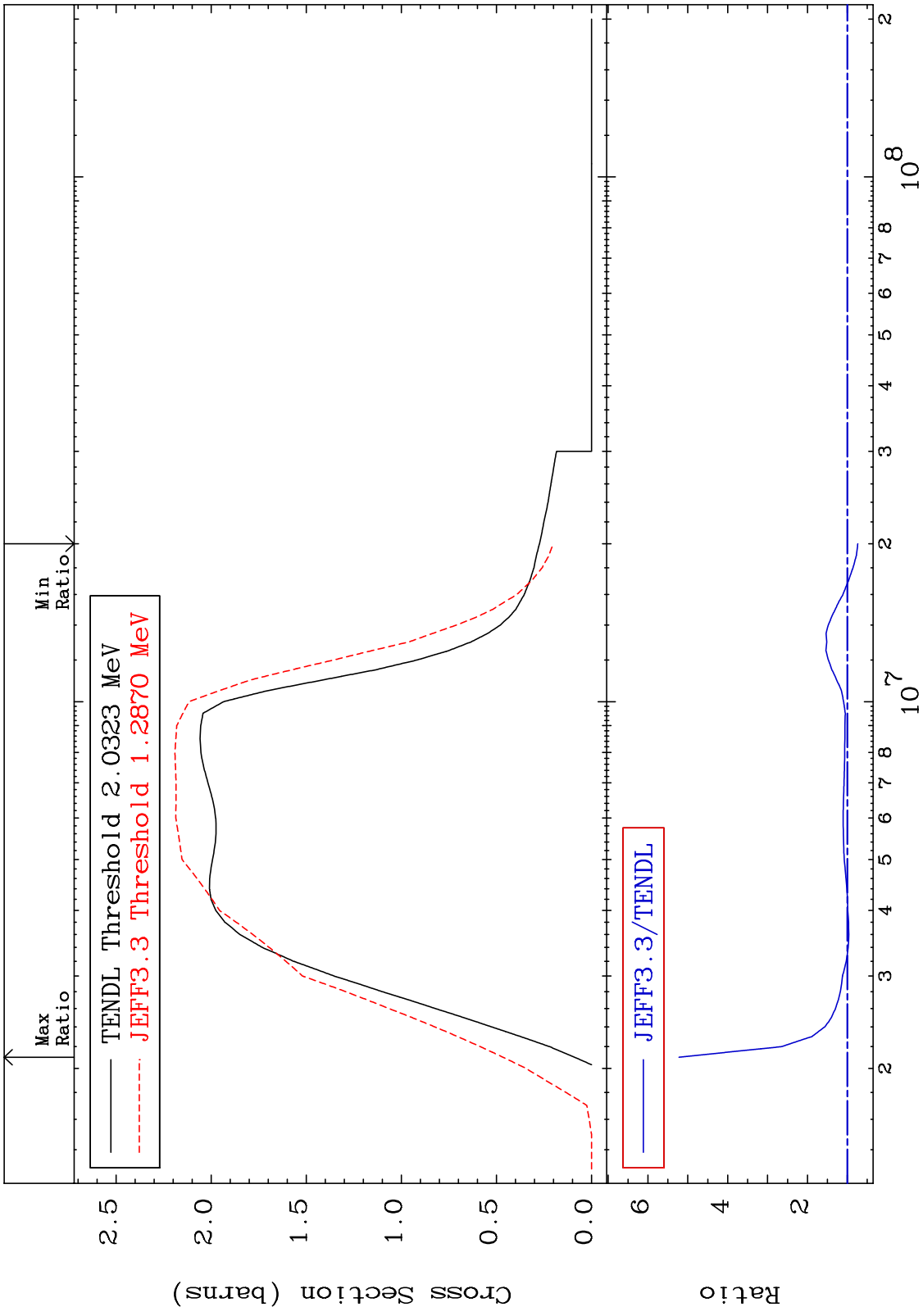
MT= 62 (n,n') Level  
Cross Section

59-Pr-141  
-62.42 To 1460. %



MAT 5925 MT= 63 (n,n') Level Cross Section 59-Pr-141 -100.0 To -29.24%







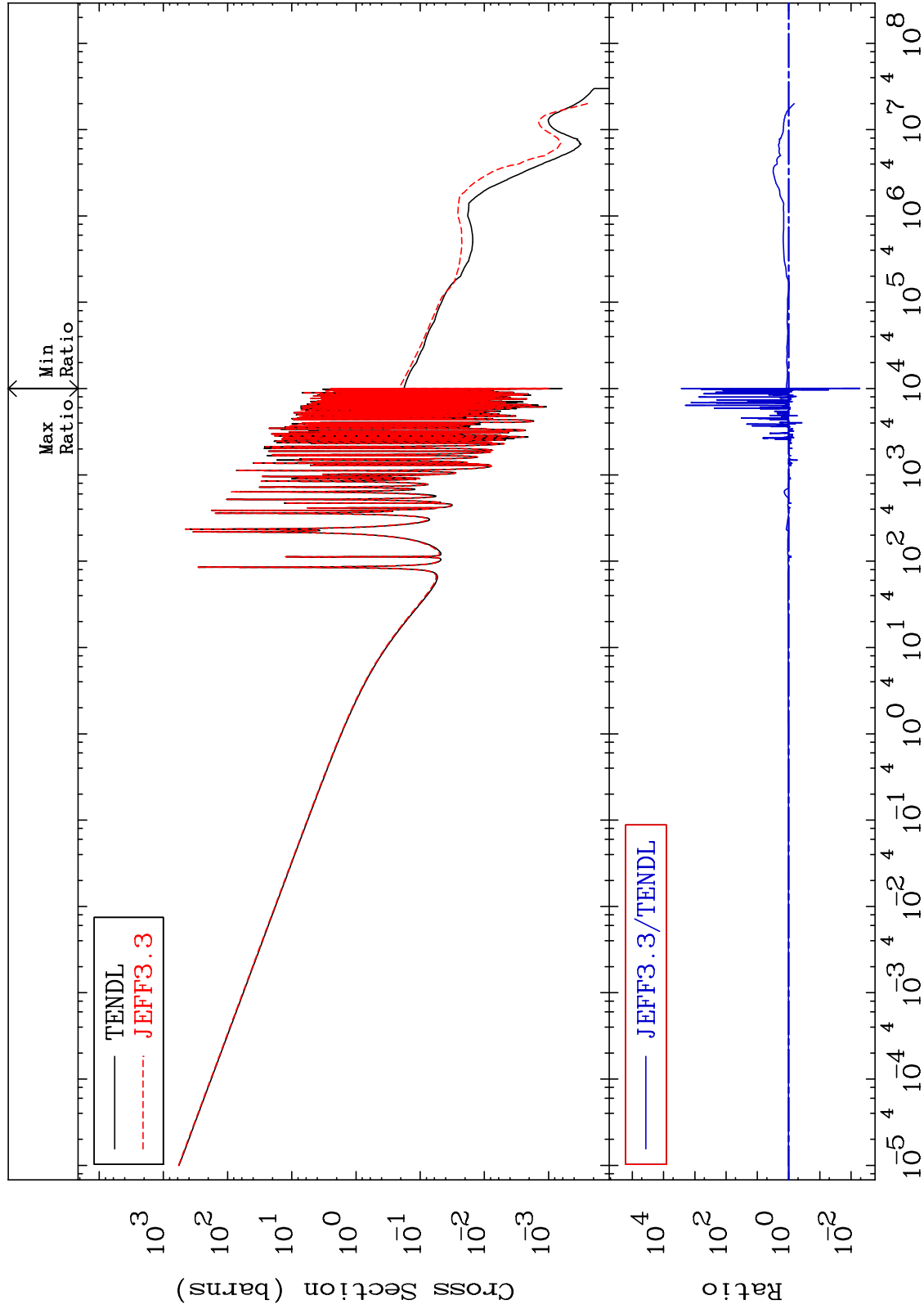
MAT 5925

(n,  $\gamma$ )

59-Pr-141

Cross Section

-99.47 To 9999. %



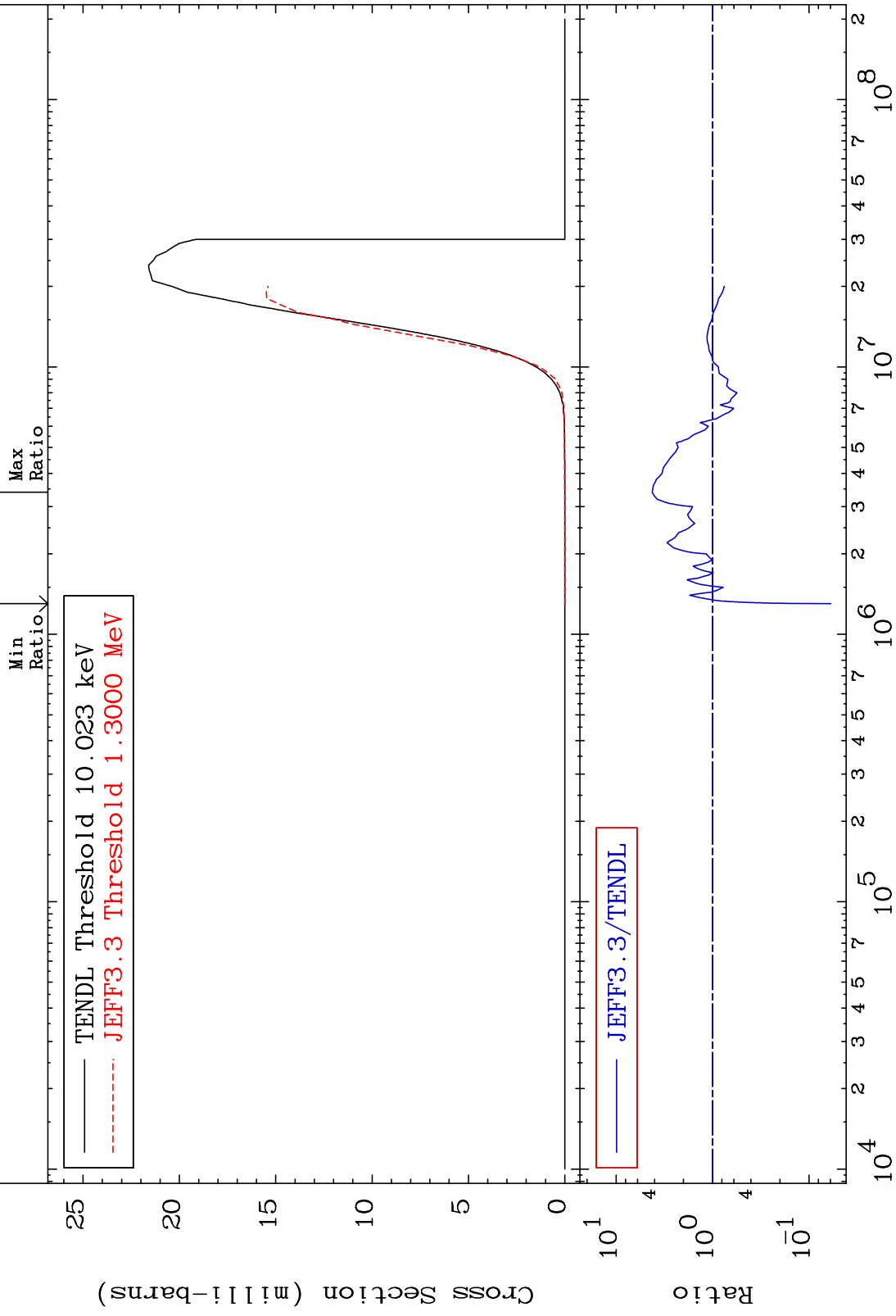
MAT 5925

(n,p)

59-Pr-141

-94.07 To 322.0 %

Cross Section



25

Incident Energy (eV)

59-Pr-141

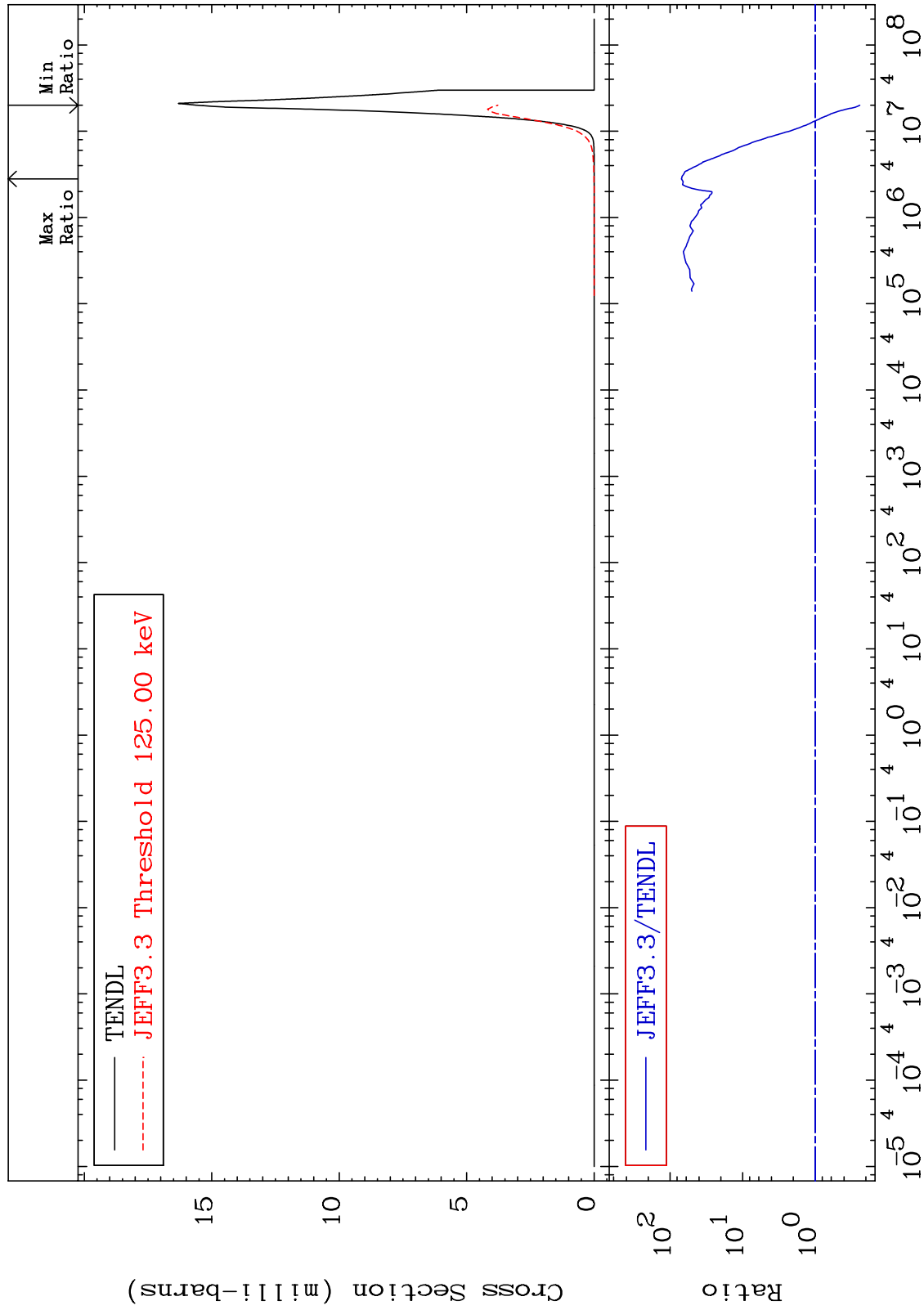
MAT 5925

(n,  $\alpha$ )

59-Pr-141

Cross Section

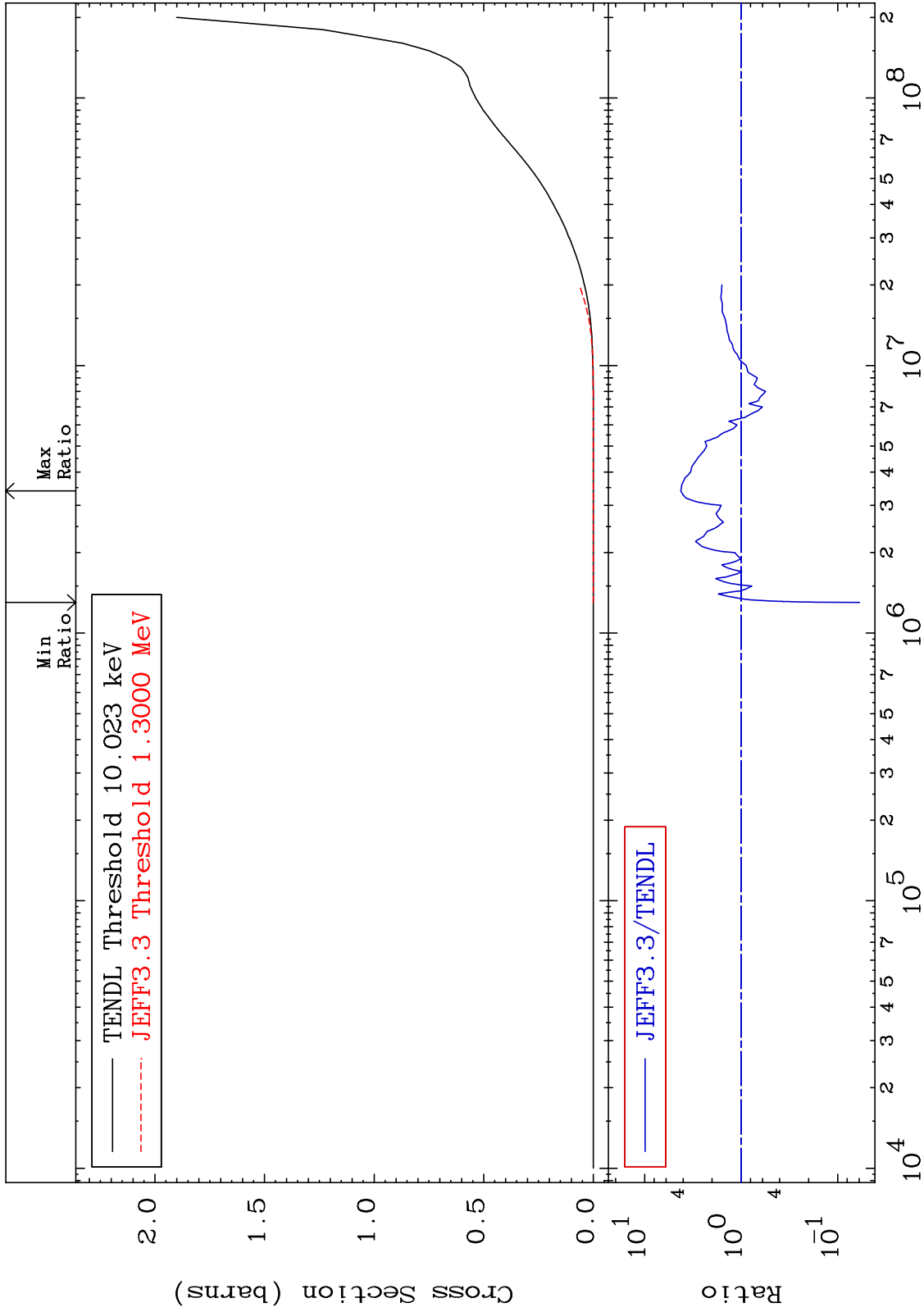
-75.76 To 6872. %



MAT 5925

Hydrogen Production  
Cross Section

59-Pr-141  
-94.07 To 322.0 %



27

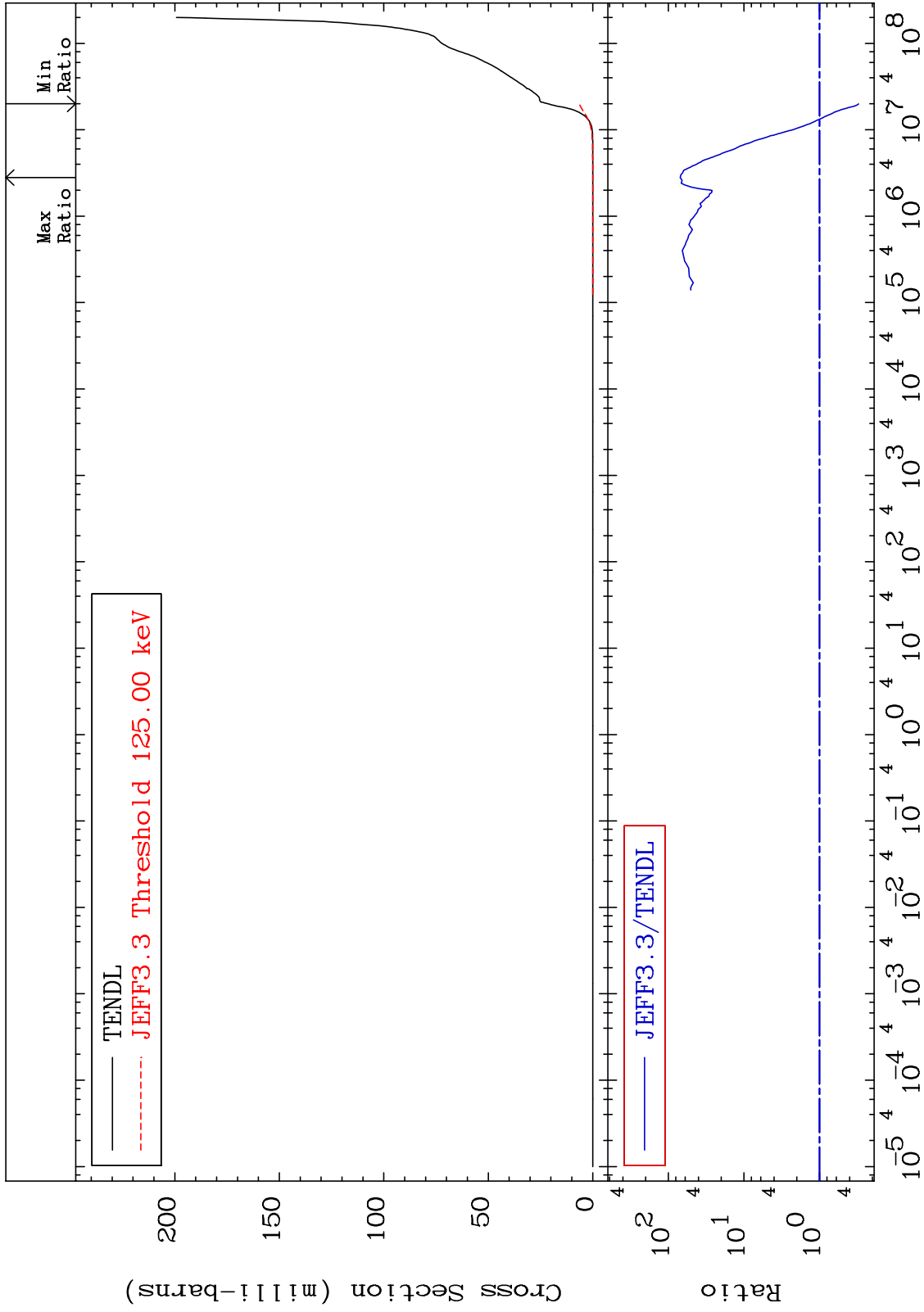
Incident Energy (eV)

59-Pr-141

MAT 5925

He-4 Production  
Cross Section

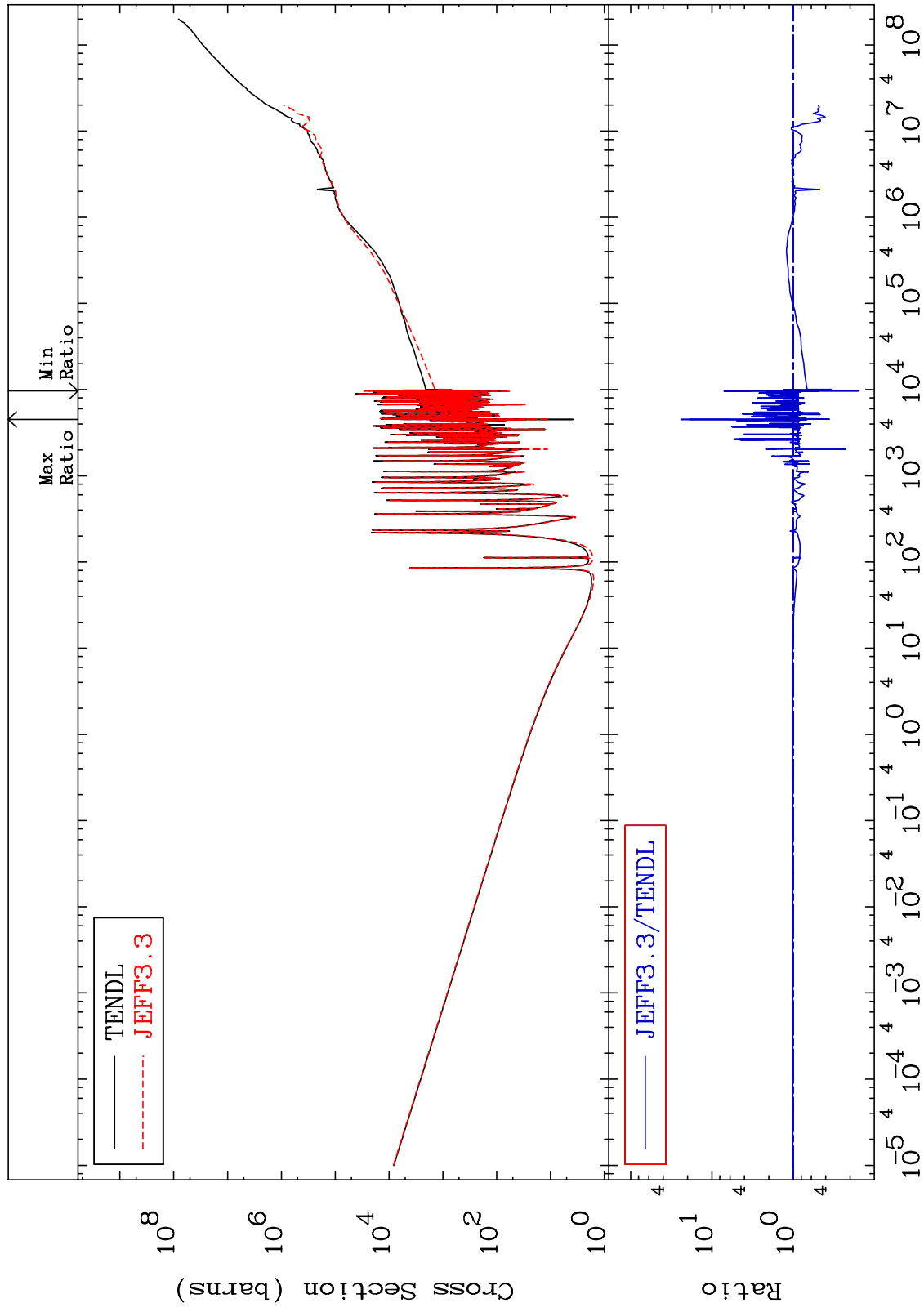
59-Pr-141  
-69.80 To 6872. %



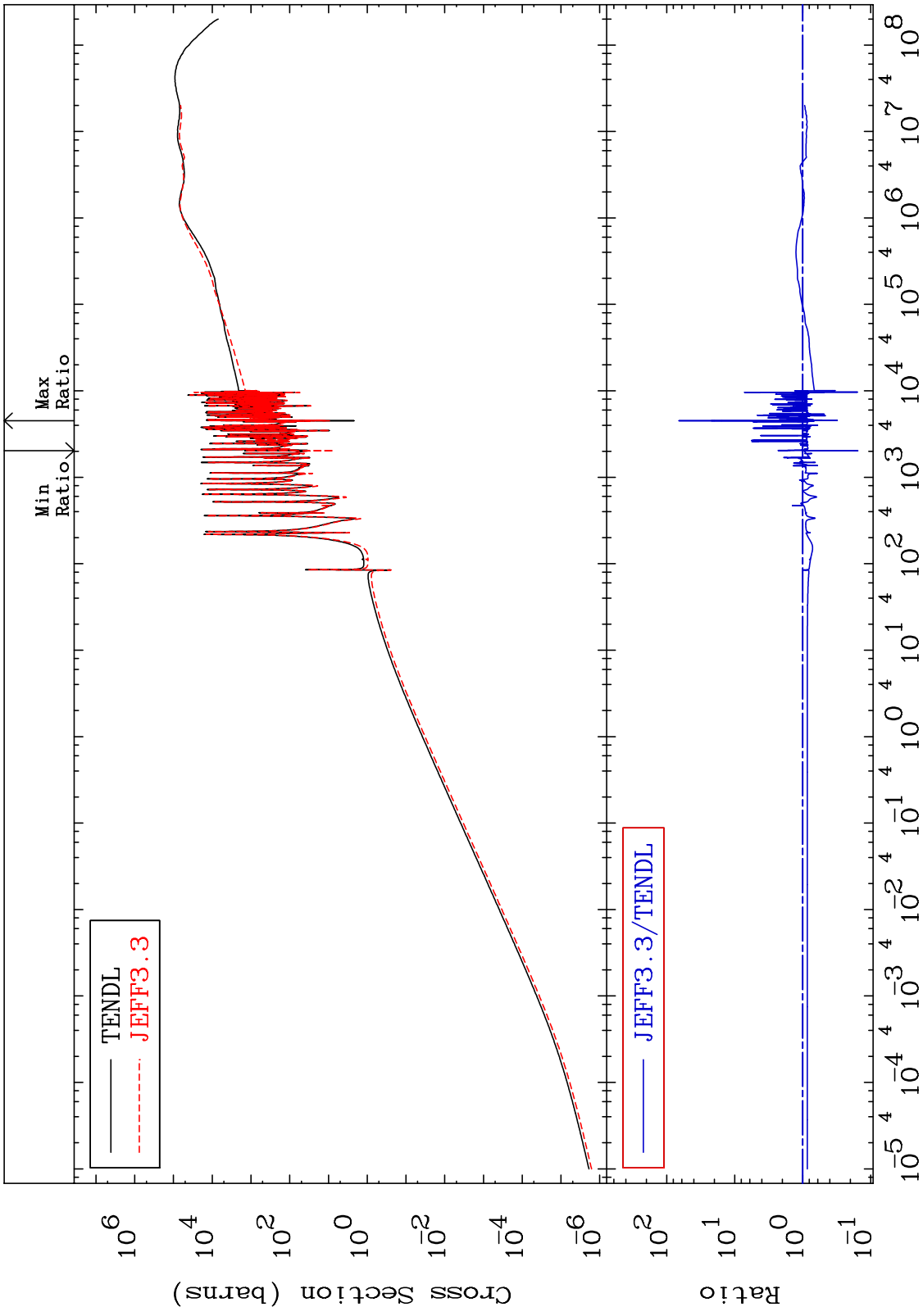
MAT 5925

Kerma total (eV-barns)  
Cross Section

59-Pr-141  
-84.47 To 2315. %



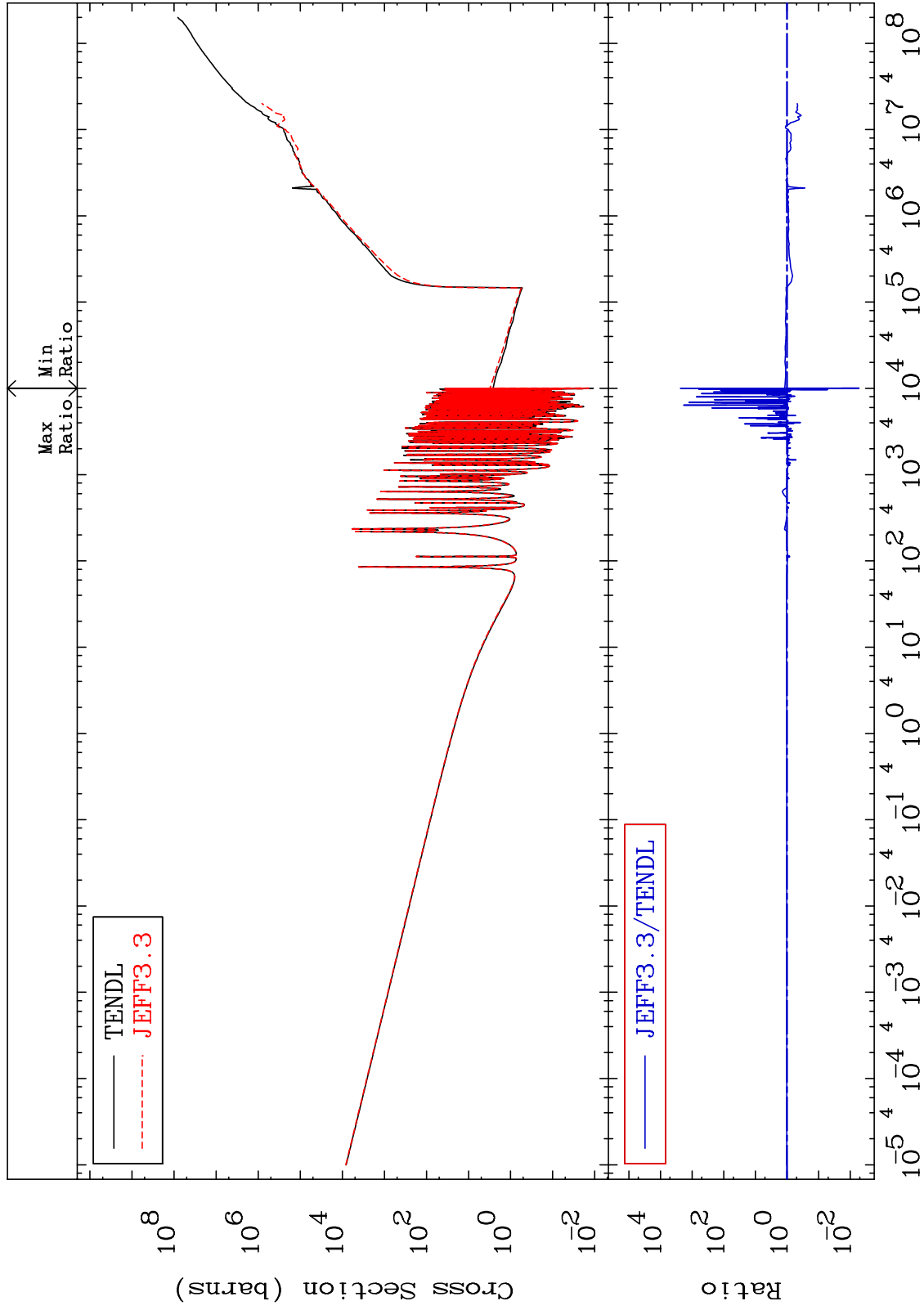
MAT 5925 59-Pr-141  
 Kerma elastic Cross Section -84.52 To 6505. %



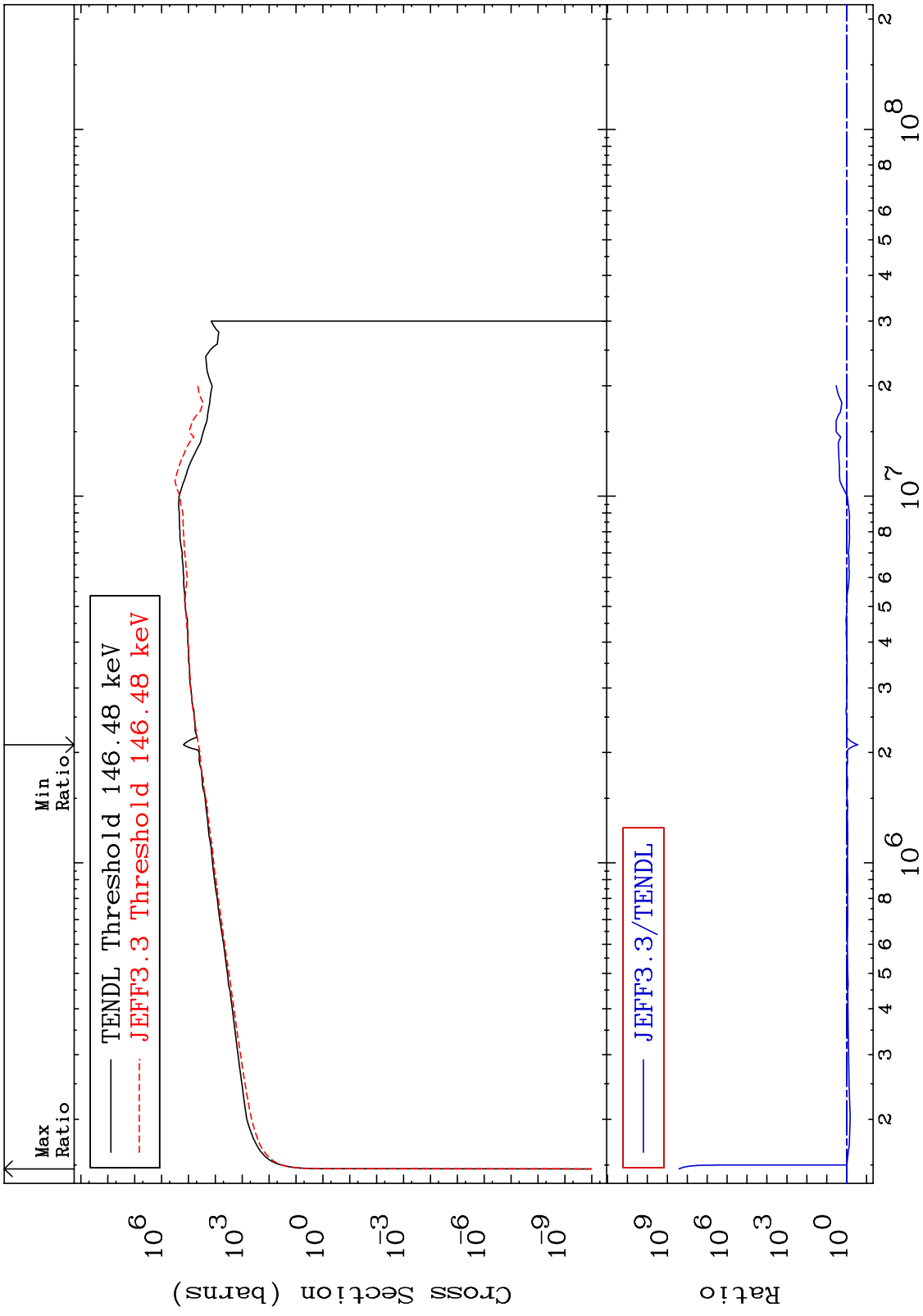
MAT 5925

Kerma non-elastic (all but mt2)  
Cross Section

59-Pr-141  
-99.47 To 9999. %



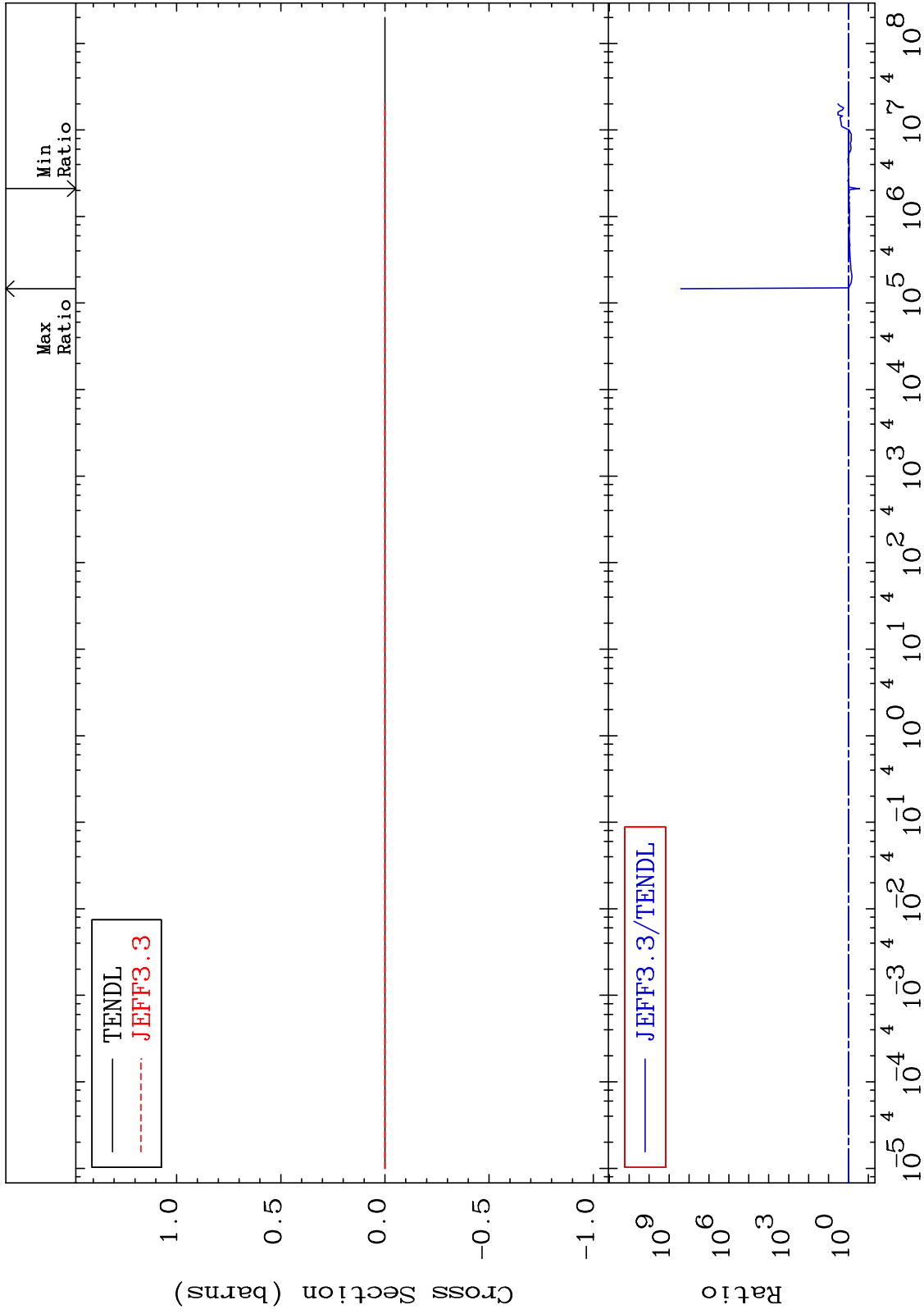




MAT 5925

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

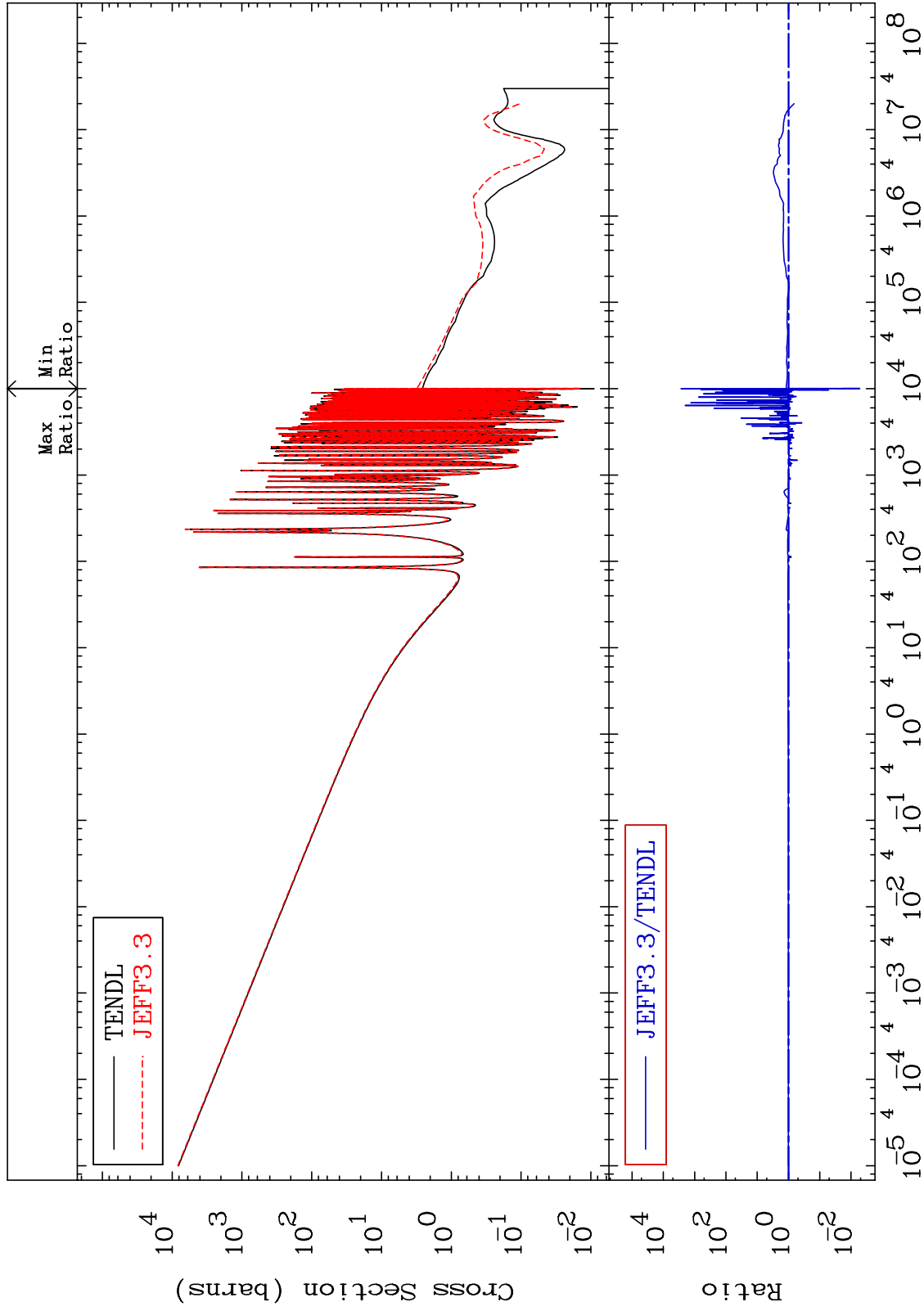
59-Pr-141  
-72.49 To 9999. %



MAT 5925

Kerma capture (mt102)  
Cross Section

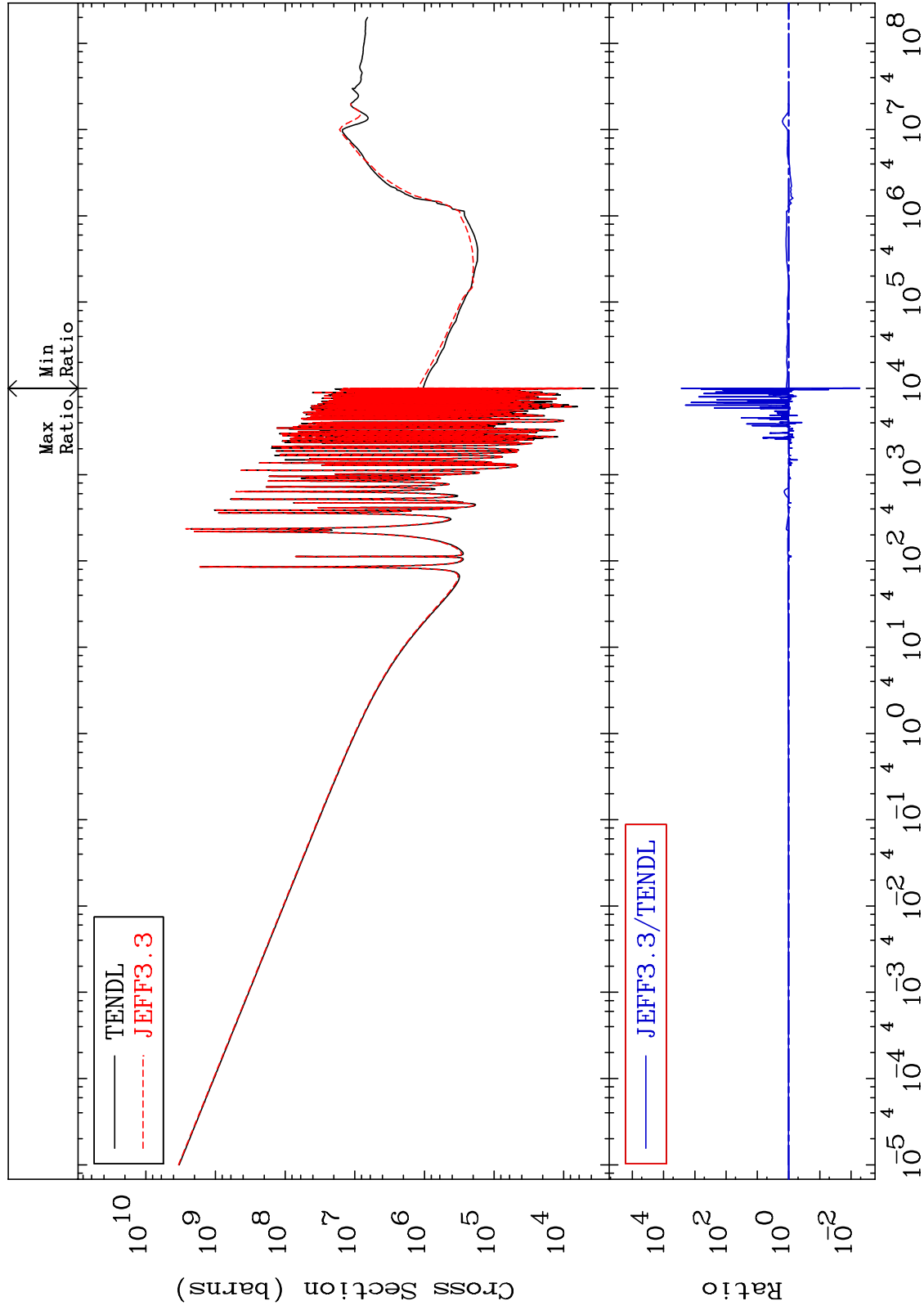
59-Pr-141  
-99.47 To 9999. %



MAT 5925

Total photon (eV-barns)  
Cross Section

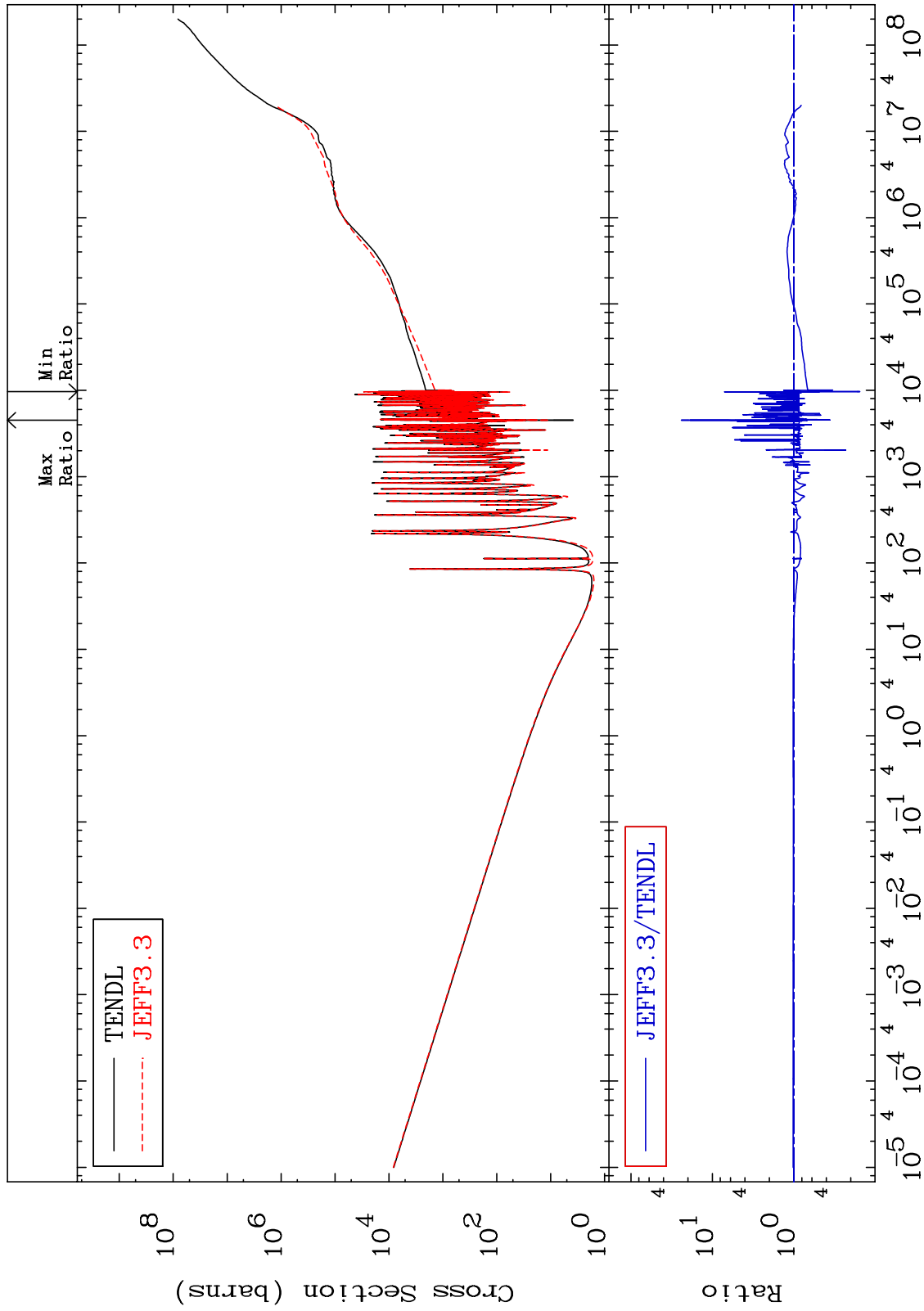
59-Pr-141  
-99.47 To 9999. %



MAT 5925

Total kinematic kerma (high limit)  
Cross Section

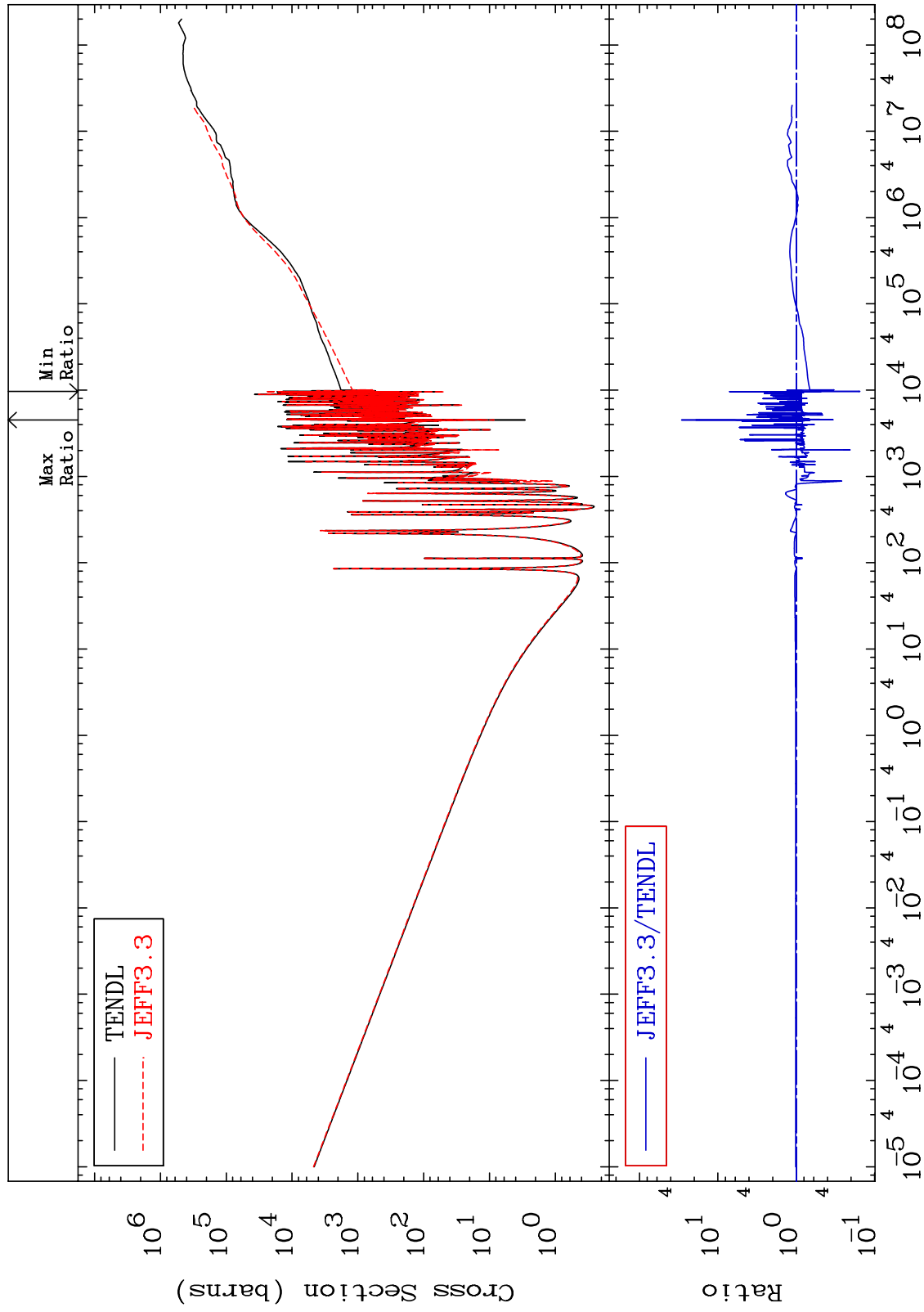
59-Pr-141  
-84.47 To 2315. %



MAT 5925

Dpa total (eV-barns)  
Cross Section

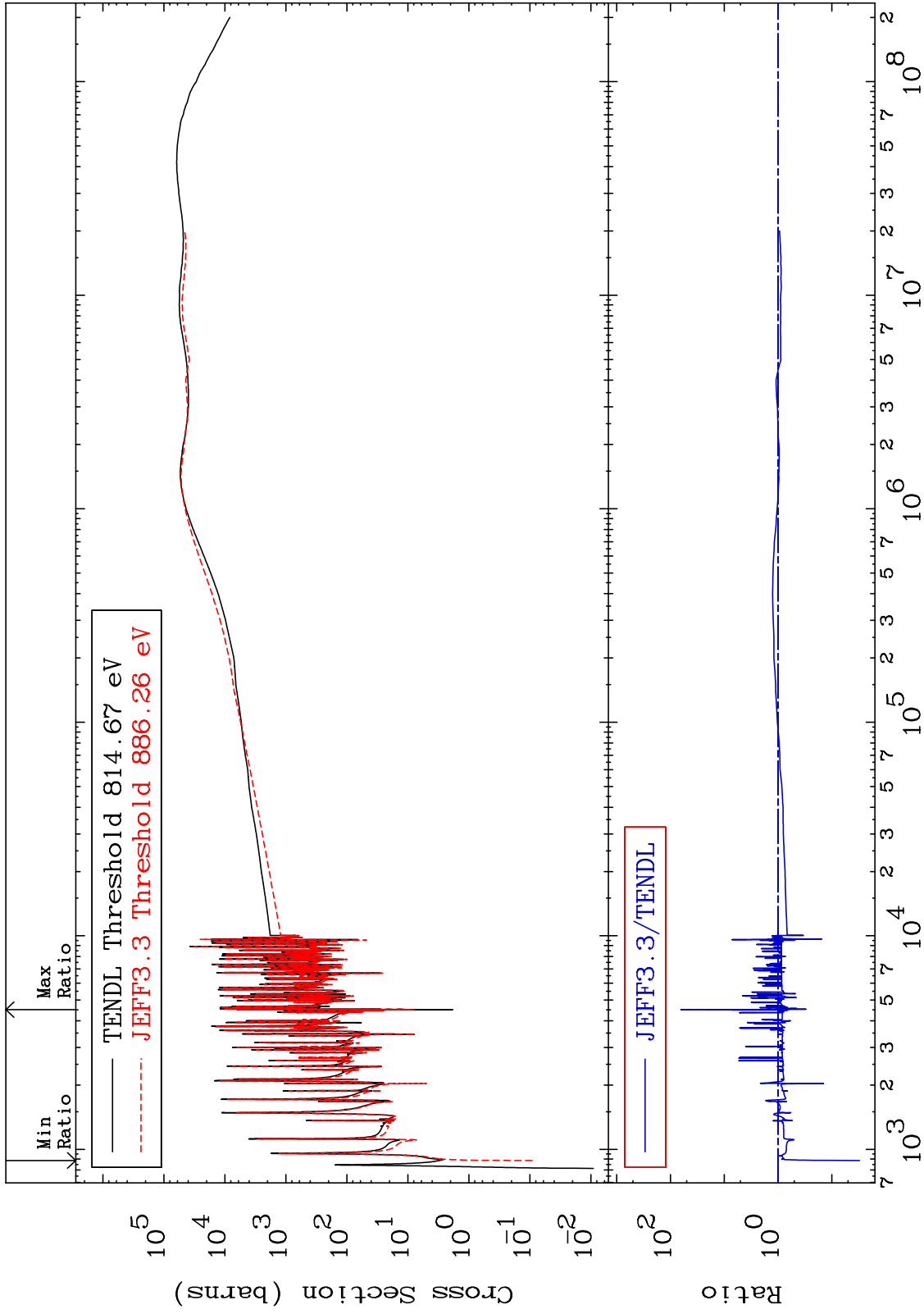
59-Pr-141  
-84.52 To 2816. %



MAT 5925

Dpa elastic (mt2)  
Cross Section

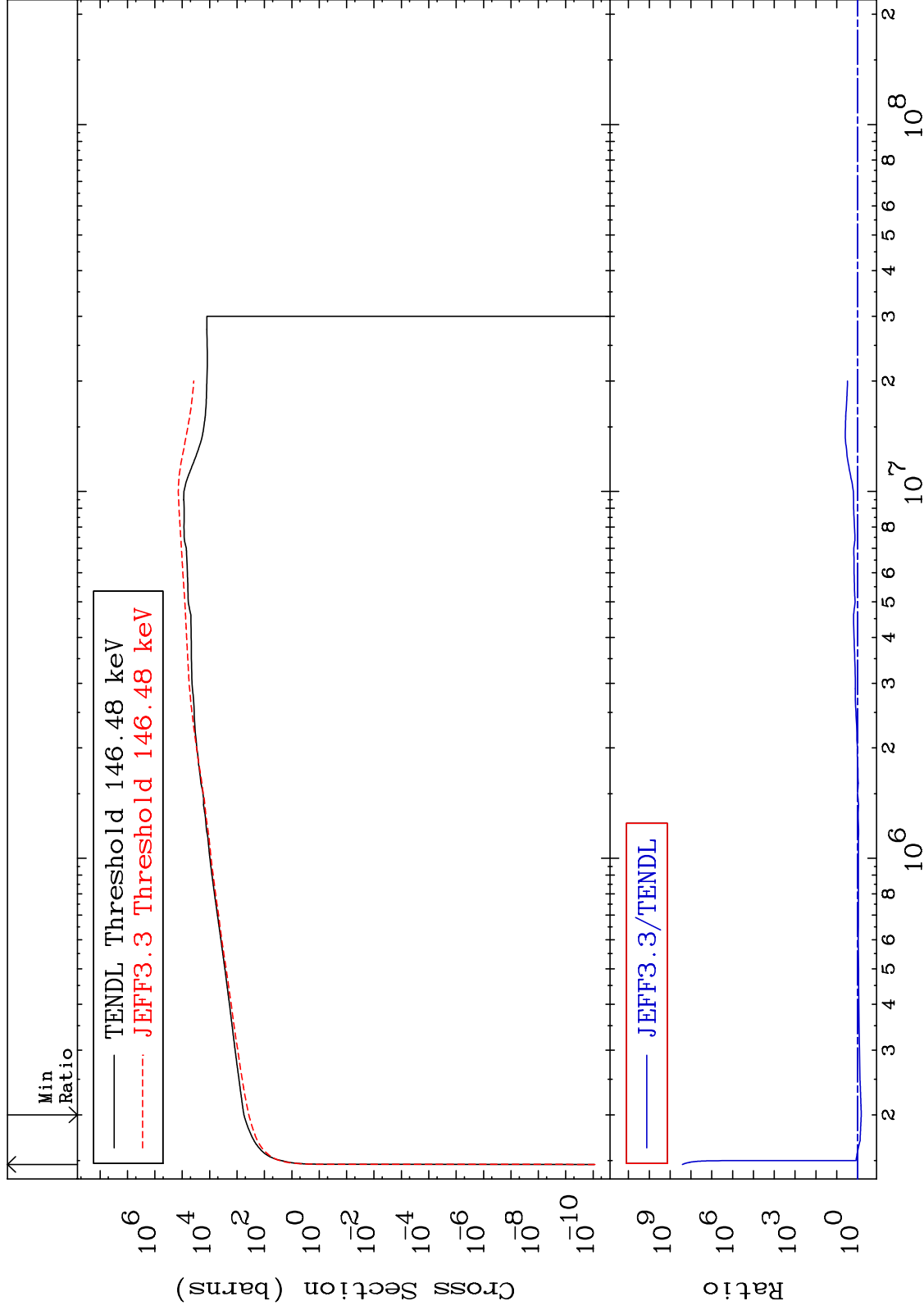
59-Pr-141  
-96.97 To 6337. %



MAT 5925

Dpa inelastic (mt51-91)  
Cross Section

59-Pr-141  
-33.85 To 9999. %





MAT 5925

Dpa disappearance (mt102 -120)  
Cross Section

59-Pr-141  
-99.47 To 9999. %

