

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

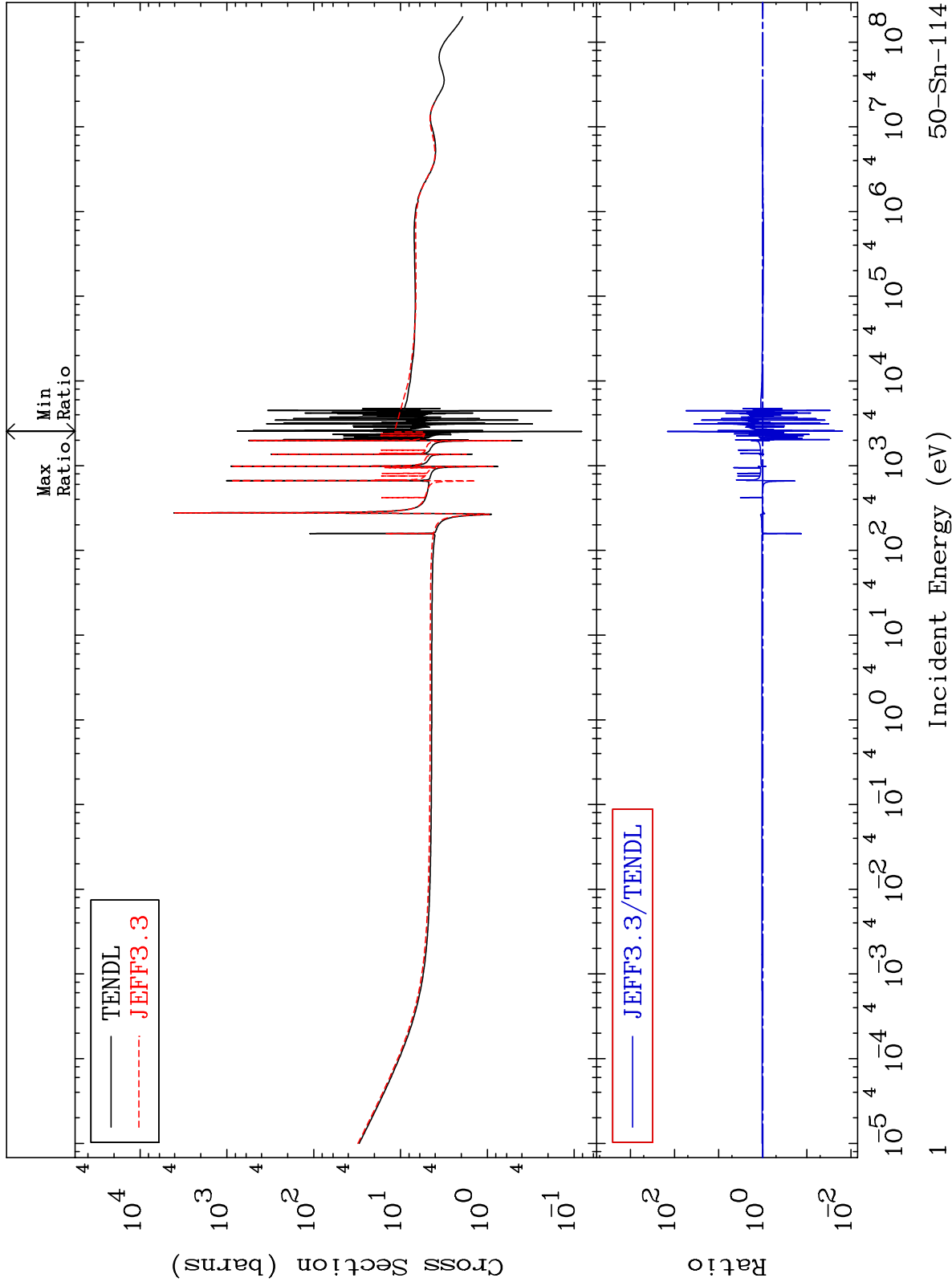
MAT 5031

Total

50-Sn-114

Cross Section

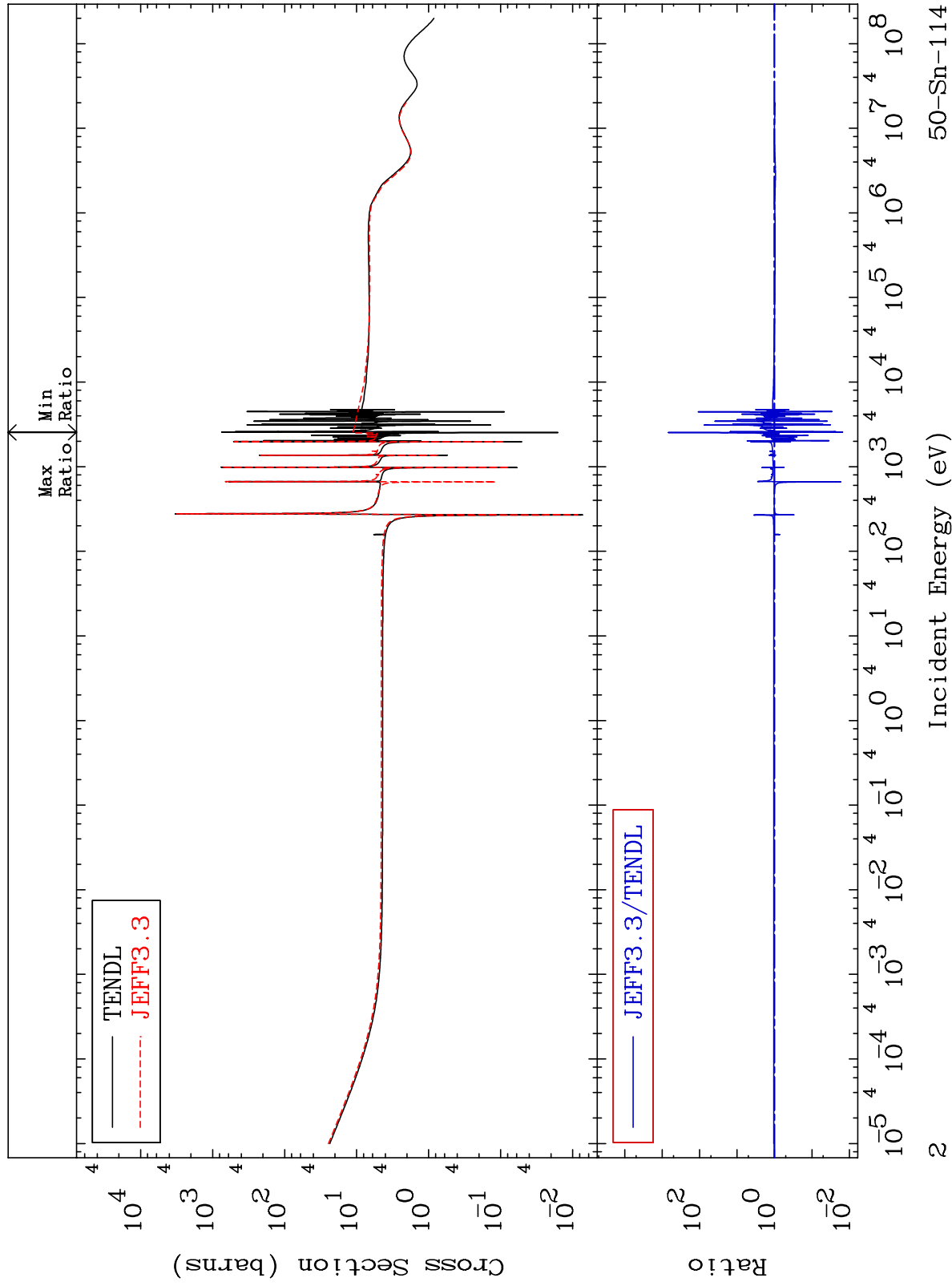
-98.46 To 9999. %



MAT 5031

Elastic  
Cross Section

50-Sn-114  
-98.51 To 9999. %



50-Sn-114

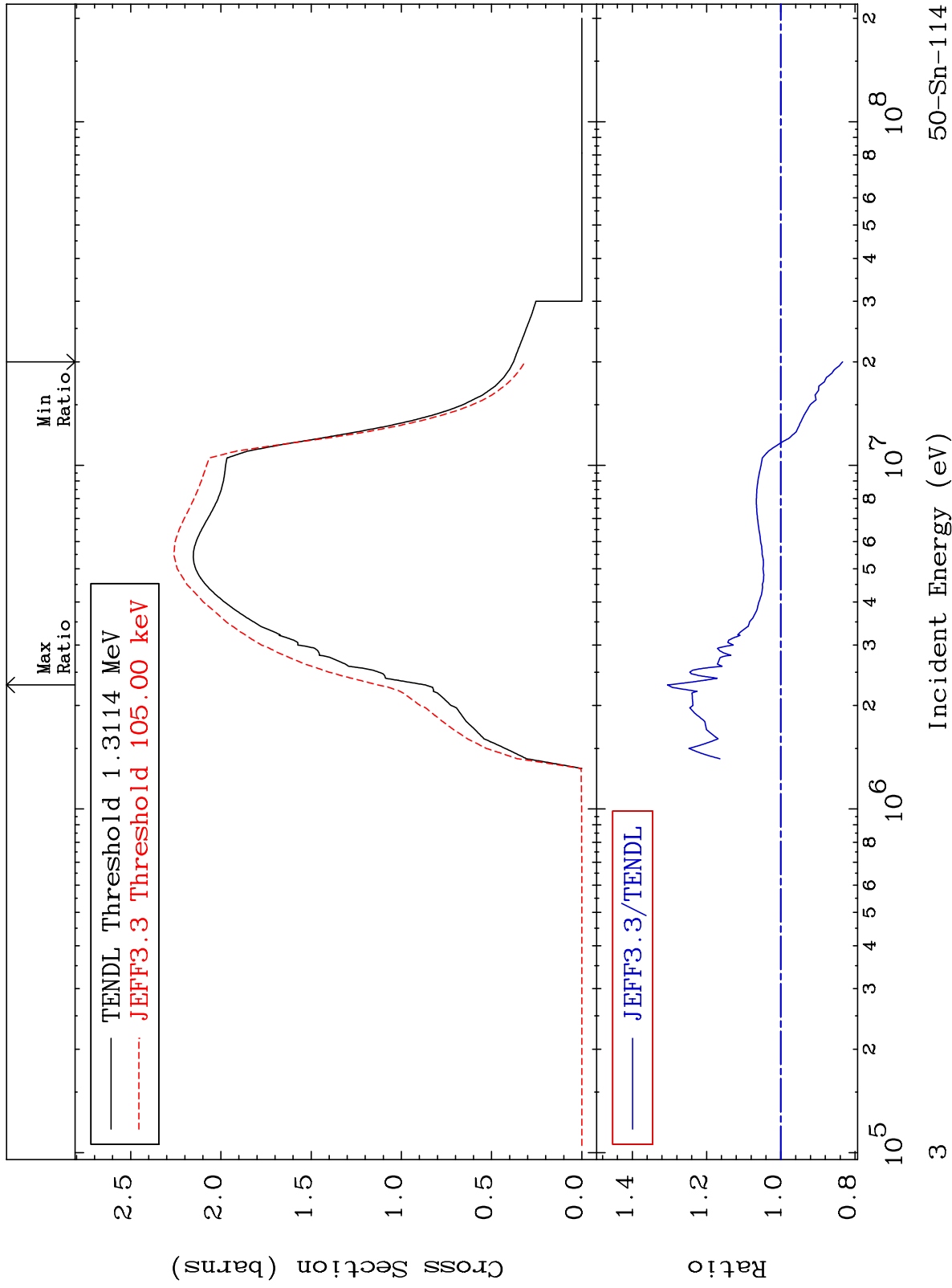
Incident Energy (eV)

2

MAT 5031

Inelastic  
Cross Section

50-Sn-114  
-16.67 To 30.51 %



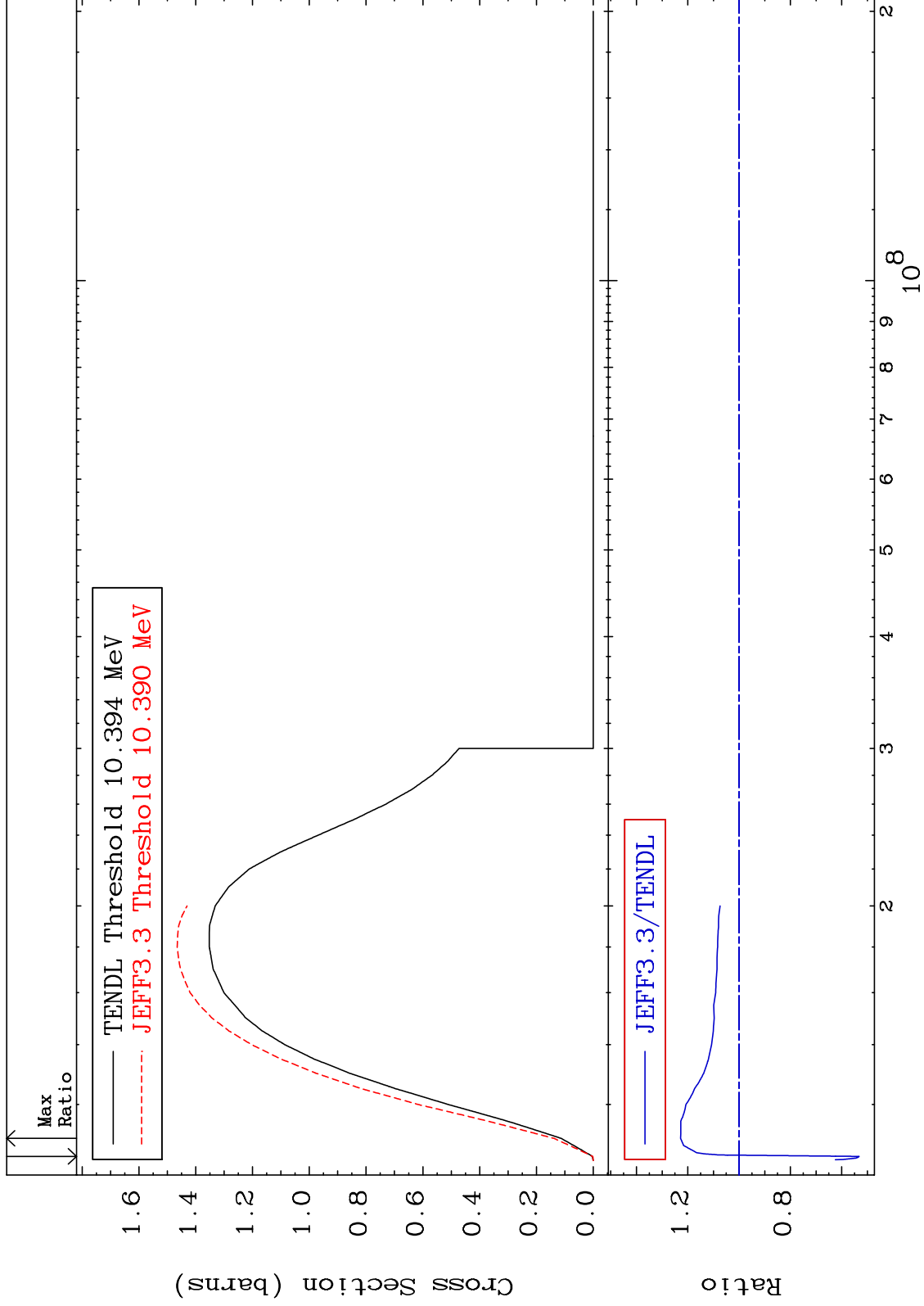
MAT 5031

(n,2n)

50-Sn-114

Cross Section

-46.81 To 22.79 %



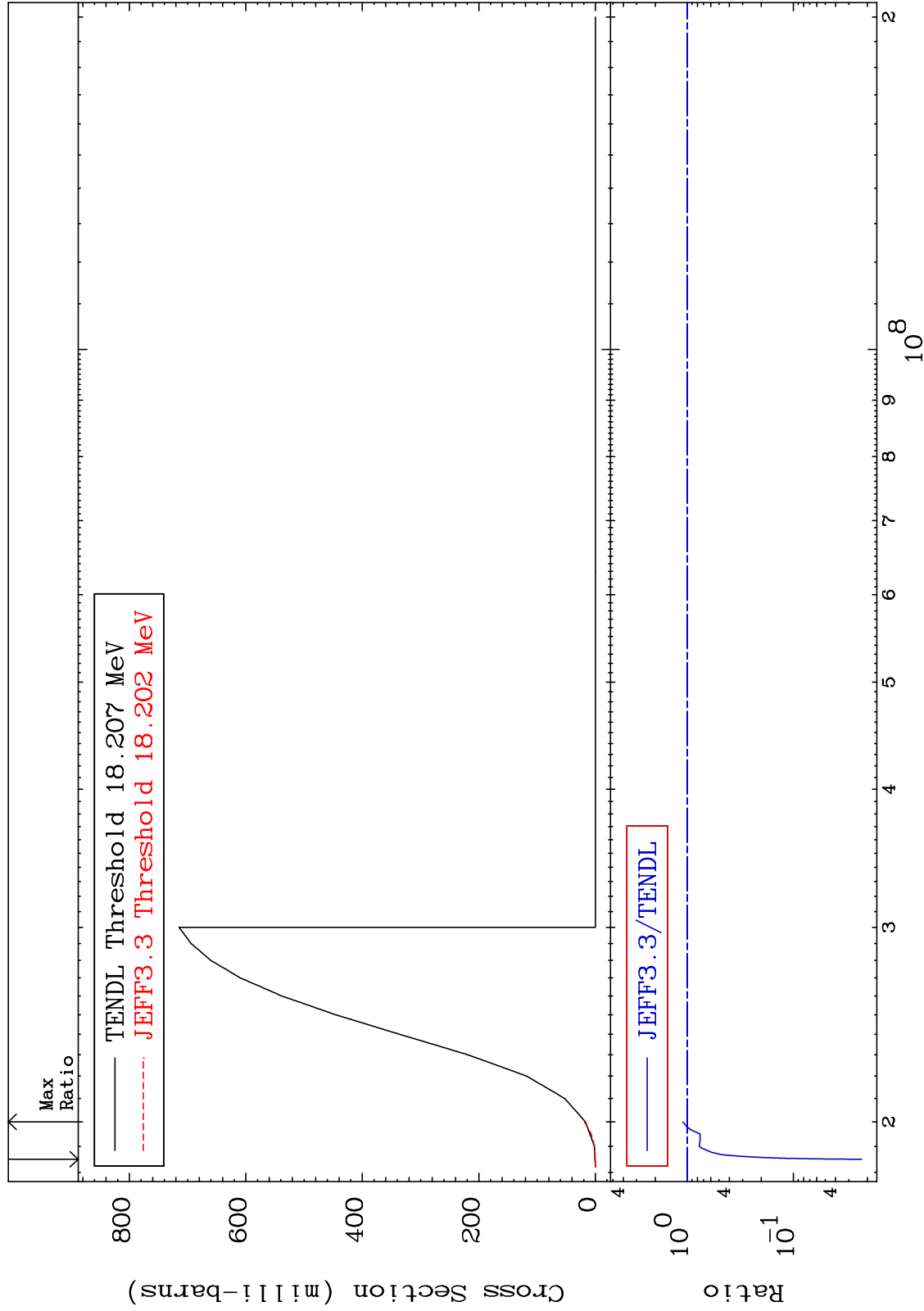
MAT 5031

(n,3n)

50-Sn-114

Cross Section

-97.73 To 9.770 %



5

Incident Energy (eV)

50-Sn-114

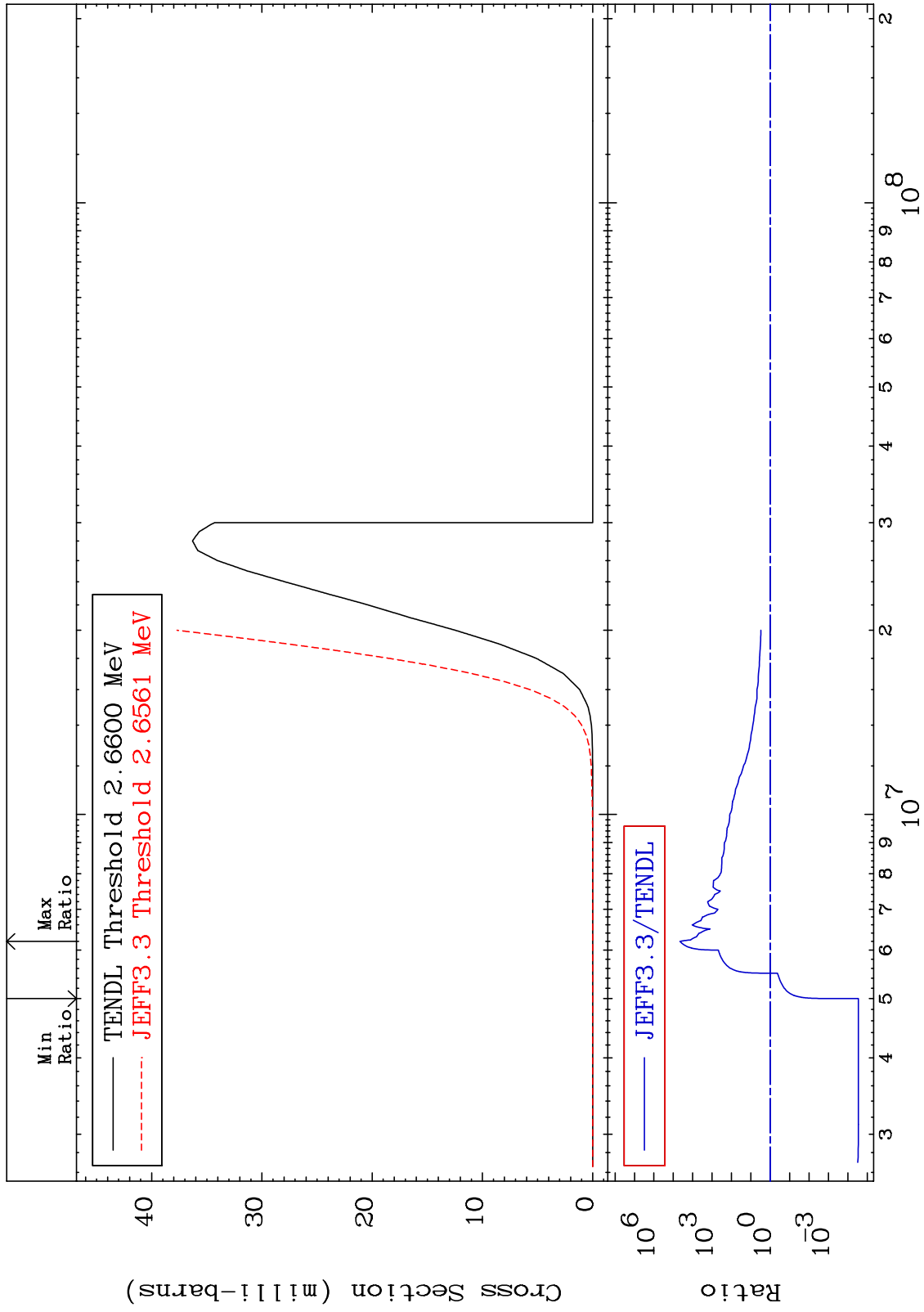
MAT 5031

(n, n')  $\alpha$

50-Sn-114

Cross Section

-100.0 To 9999. %



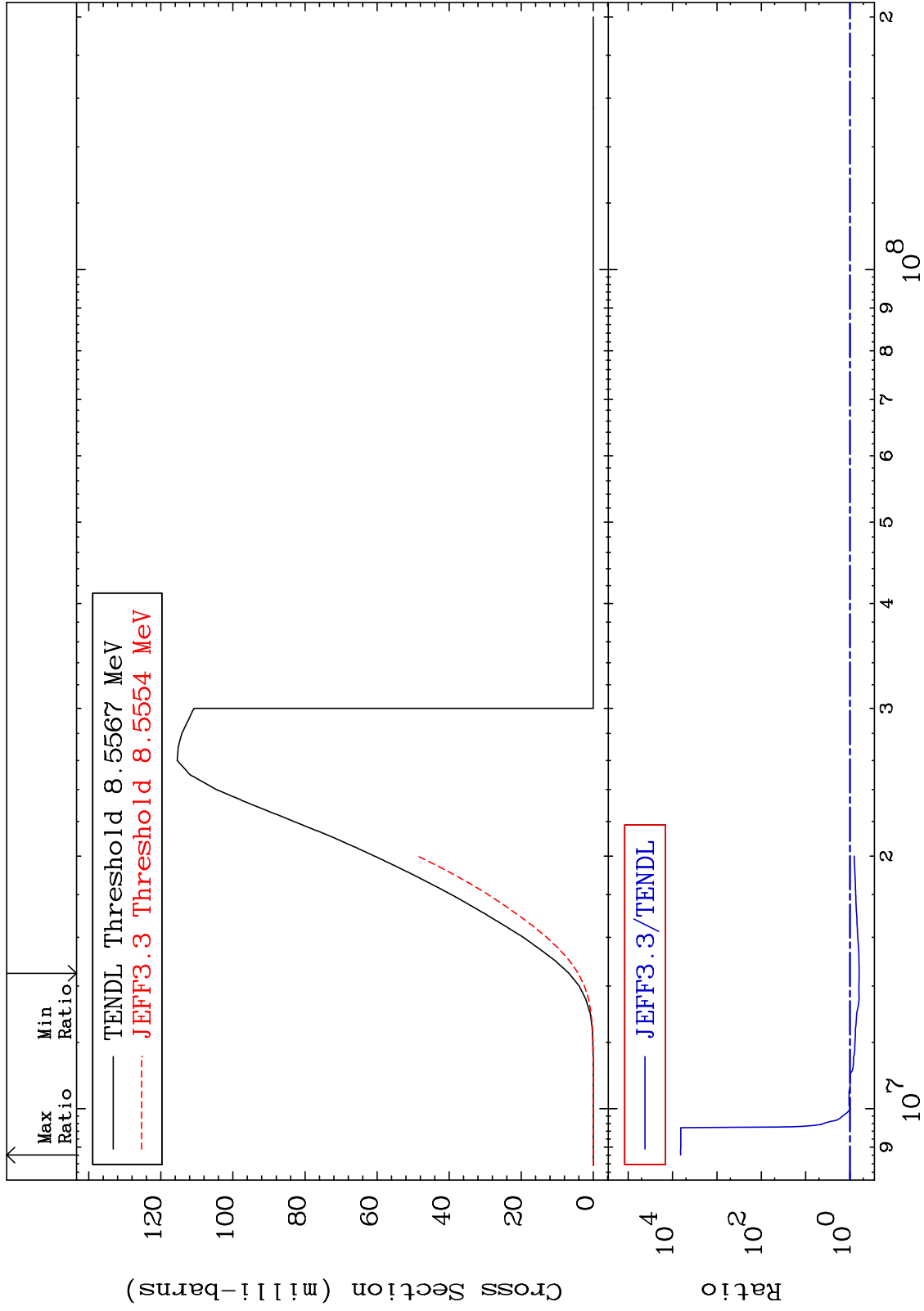
MAT 5031

(n,n') p

50-Sn-114

Cross Section

-38.11 To 9999. %



50-Sn-114

Incident Energy (eV)

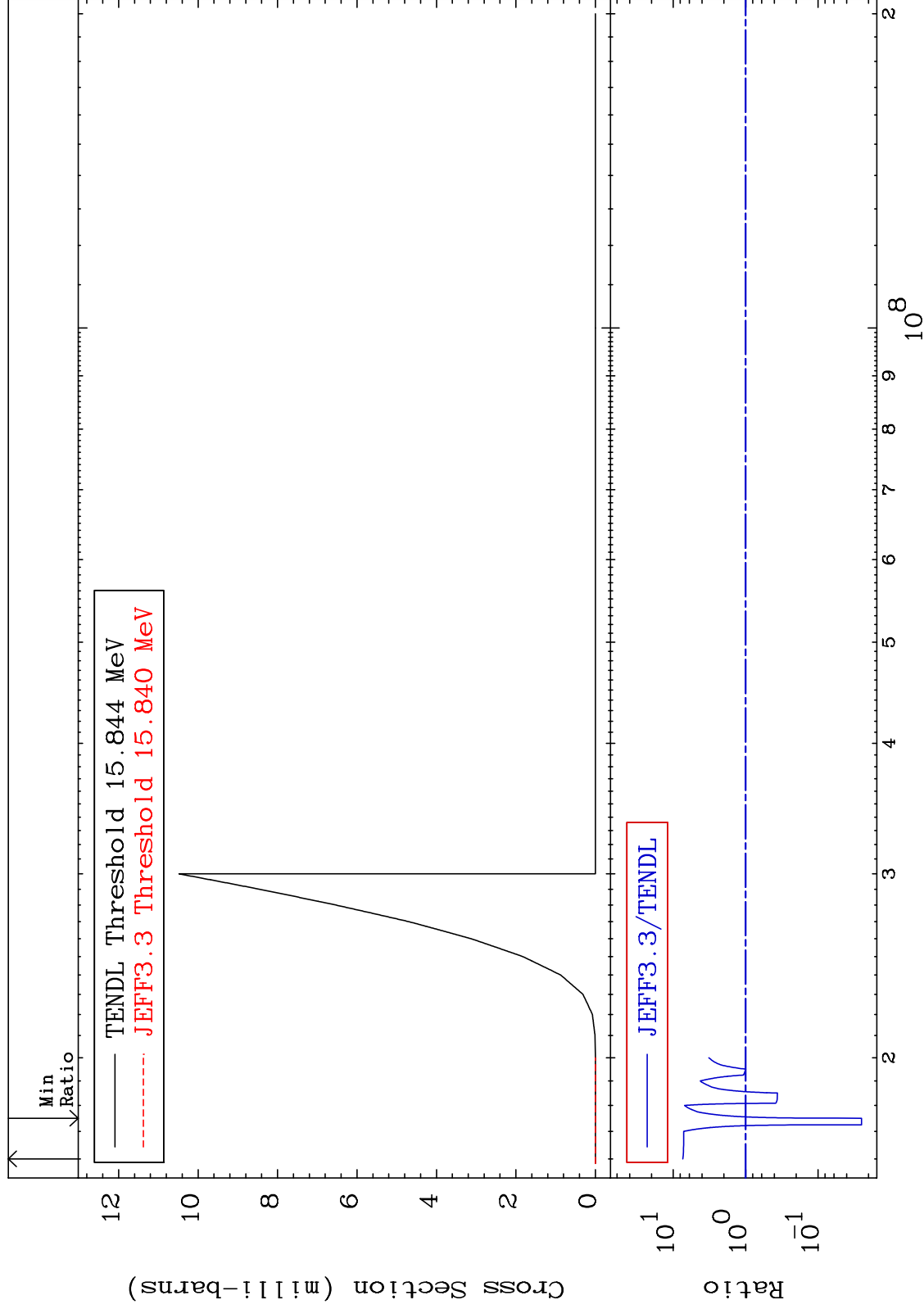
7



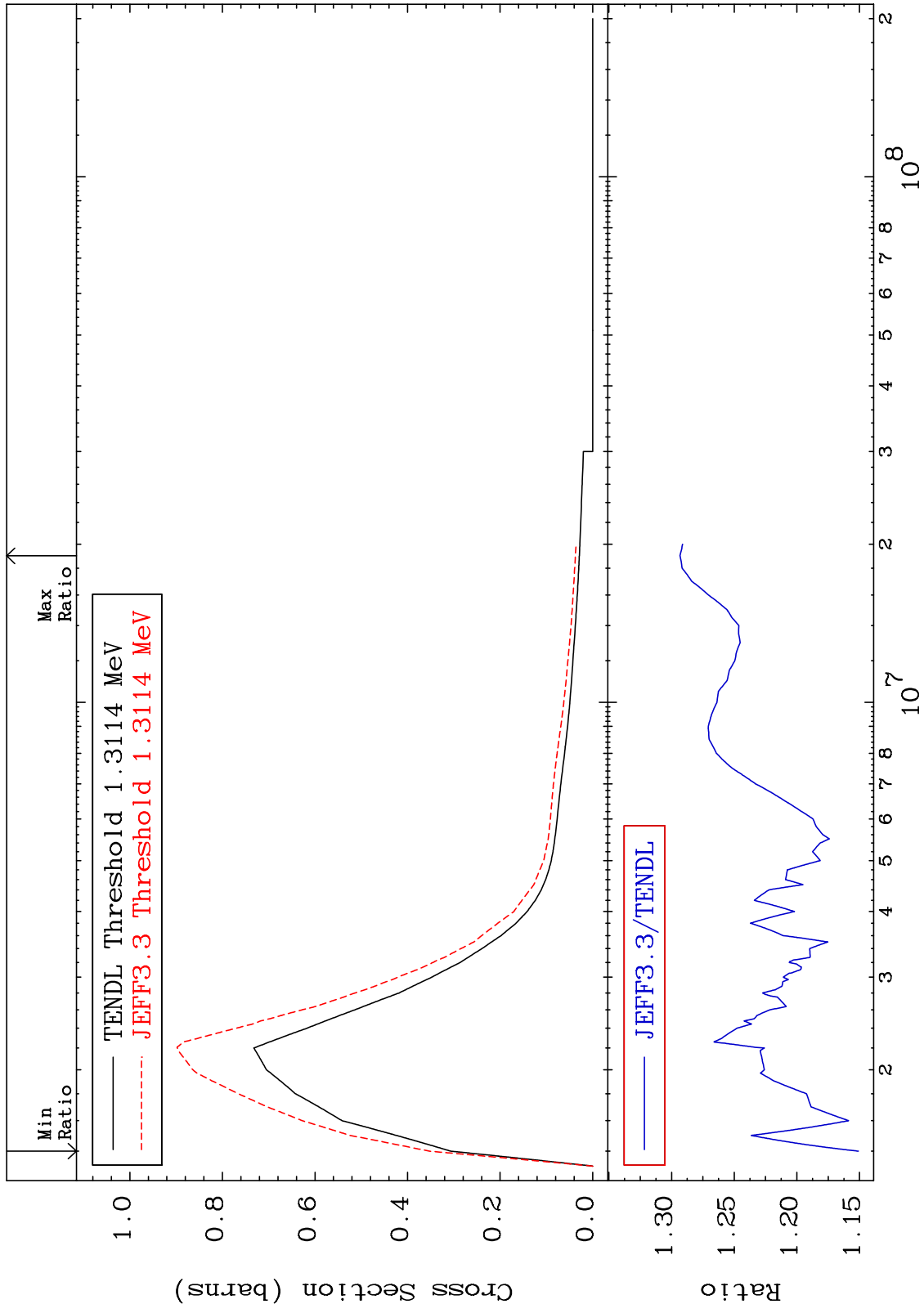
MAT 5031

(n, n') d  
Cross Section

50-Sn-114  
-97.50 To 636.5 %



MAT 5031 MT= 51 (n, n') Level Cross Section 50-Sn-114 To 29.32 %  
 15.09

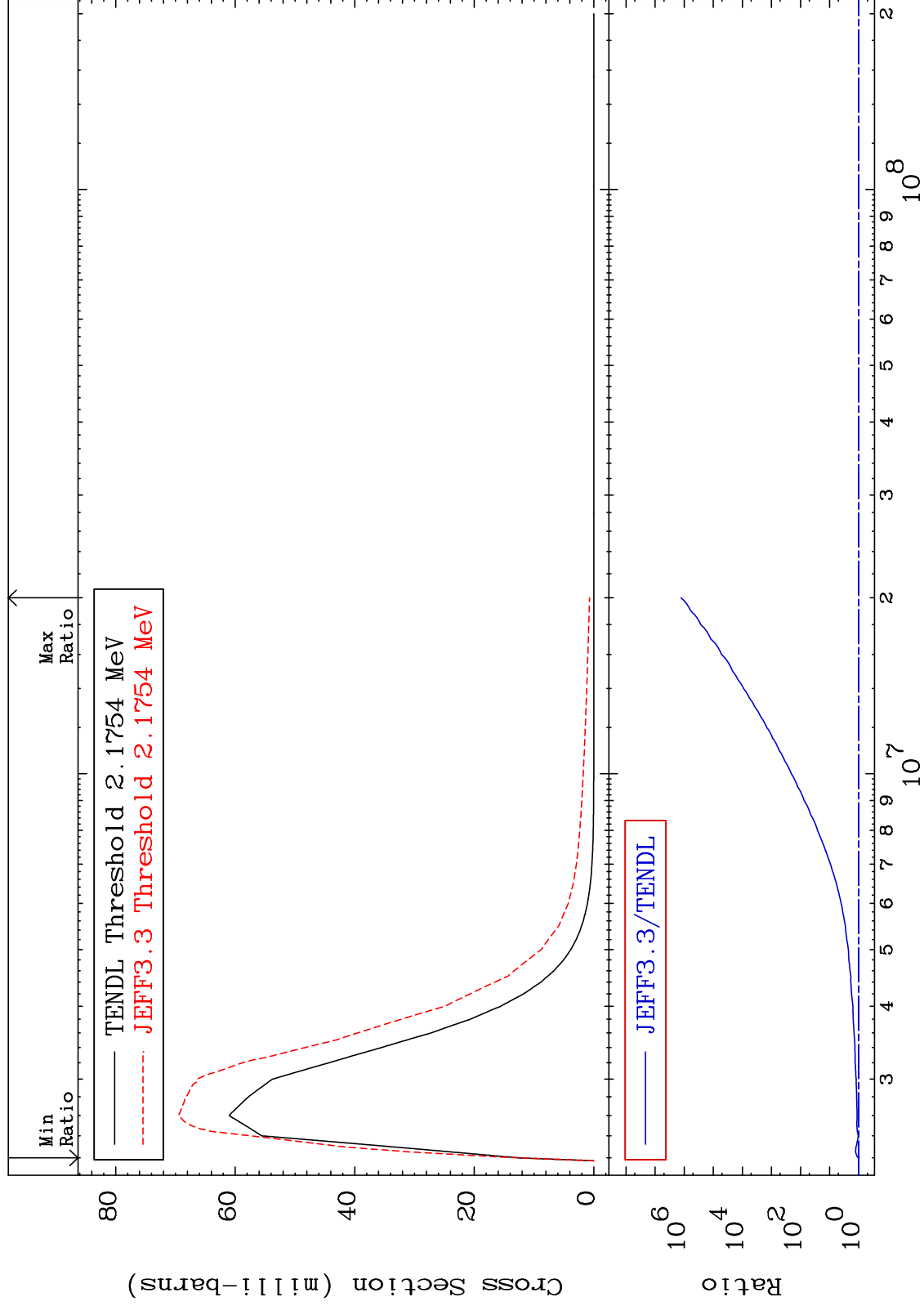




MAT 5031

MT= 53 (n,n') Level  
Cross Section

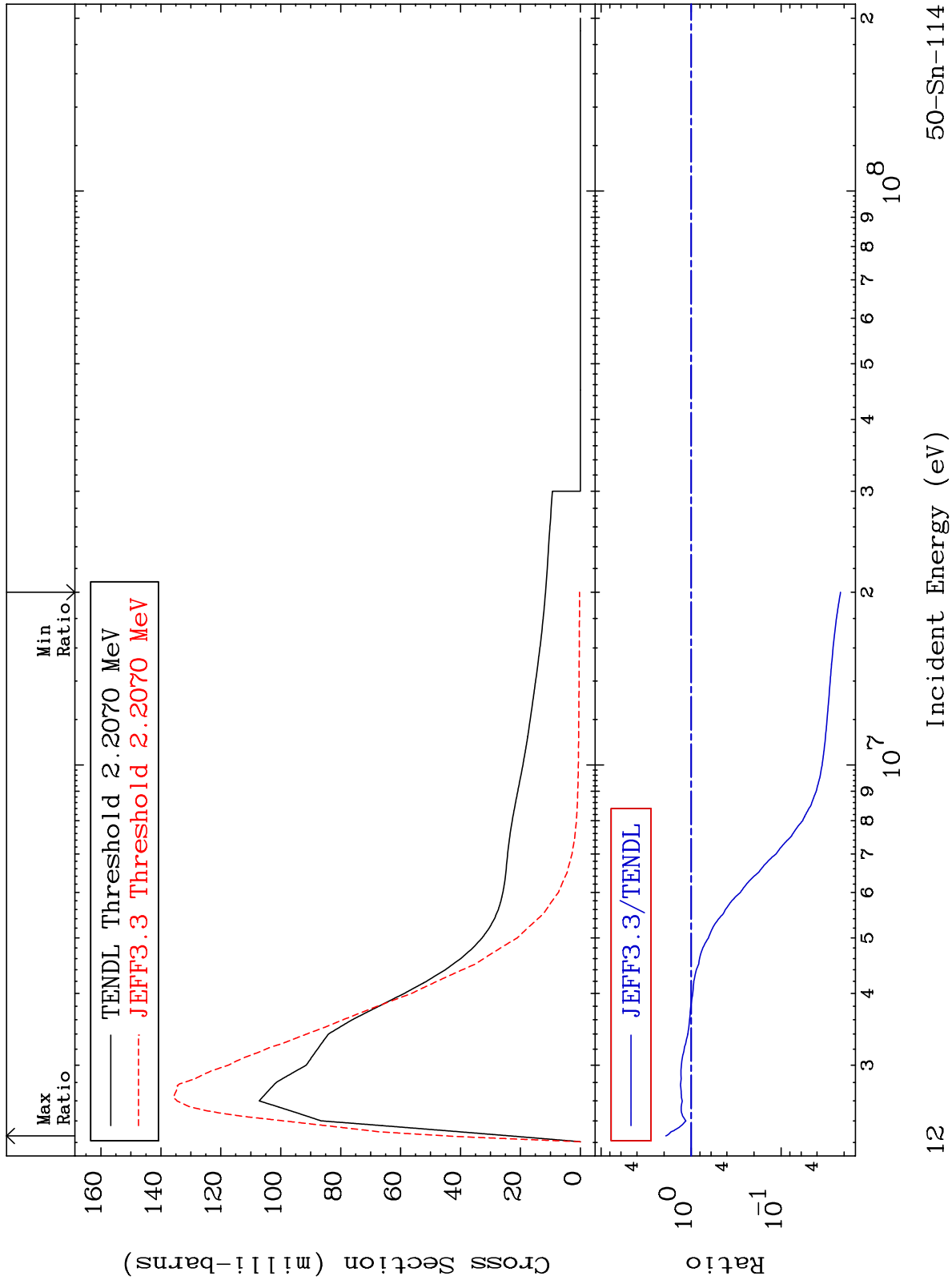
50-Sn-114  
-4.218 To 9999. %



MAT 5031

MT= 54 (n,n') Level  
Cross Section

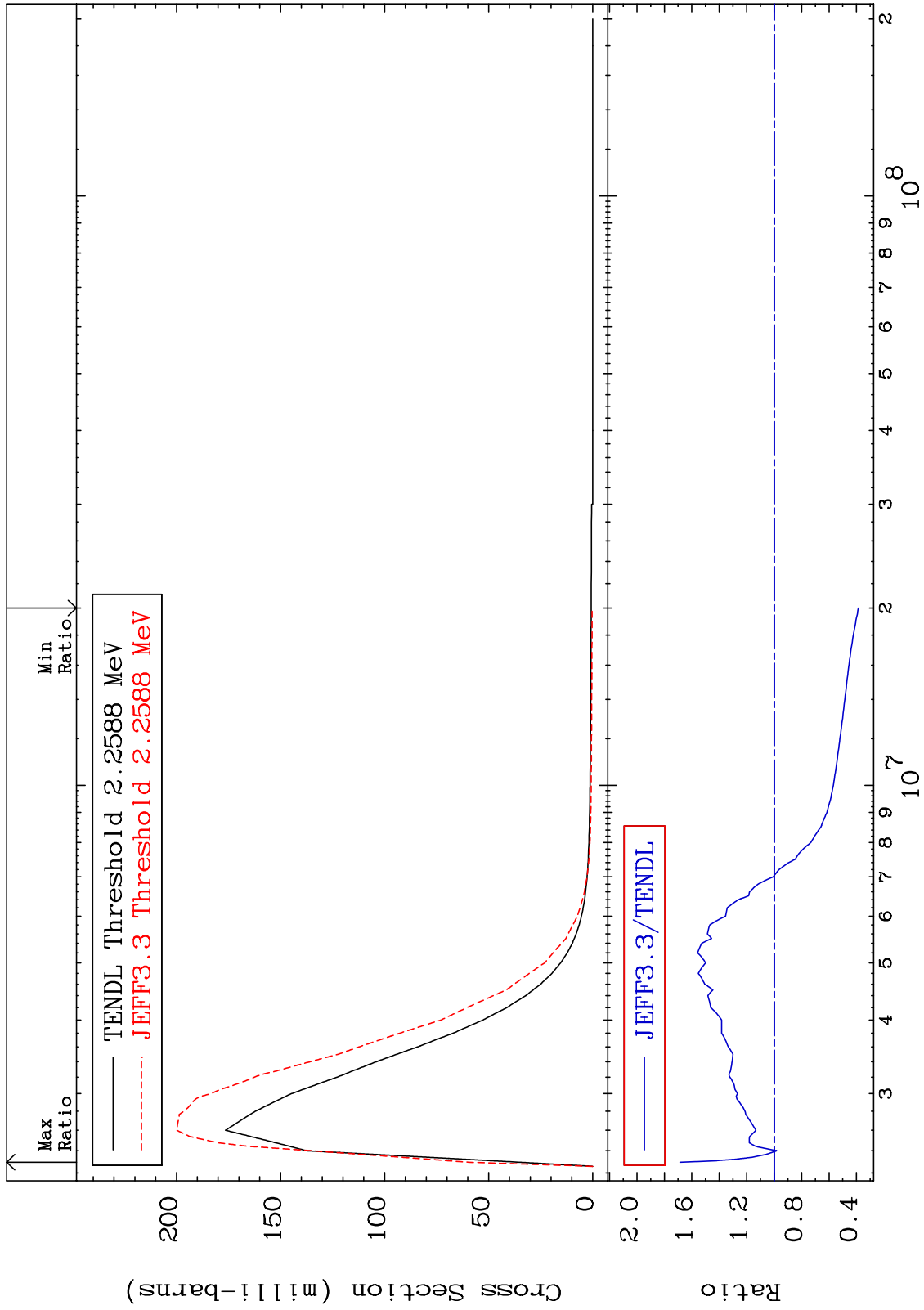
50-Sn-114  
-97.80 To 90.77 %



MAT 5031

MT= 55 (n,n') Level  
Cross Section

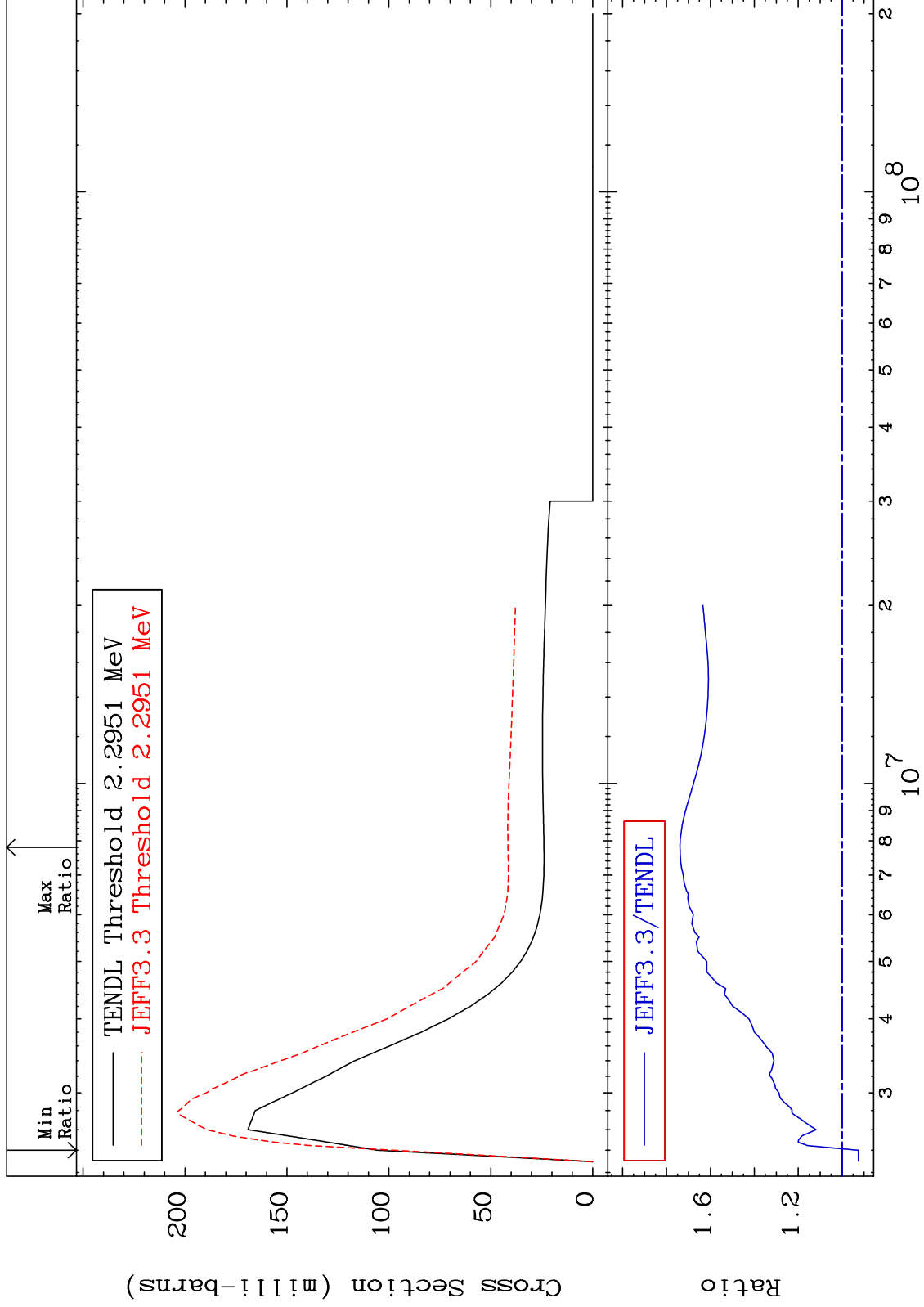
50-Sn-114  
-61.40 To 68.60 %



MAT 5031

MT= 56 (n,n') Level  
Cross Section

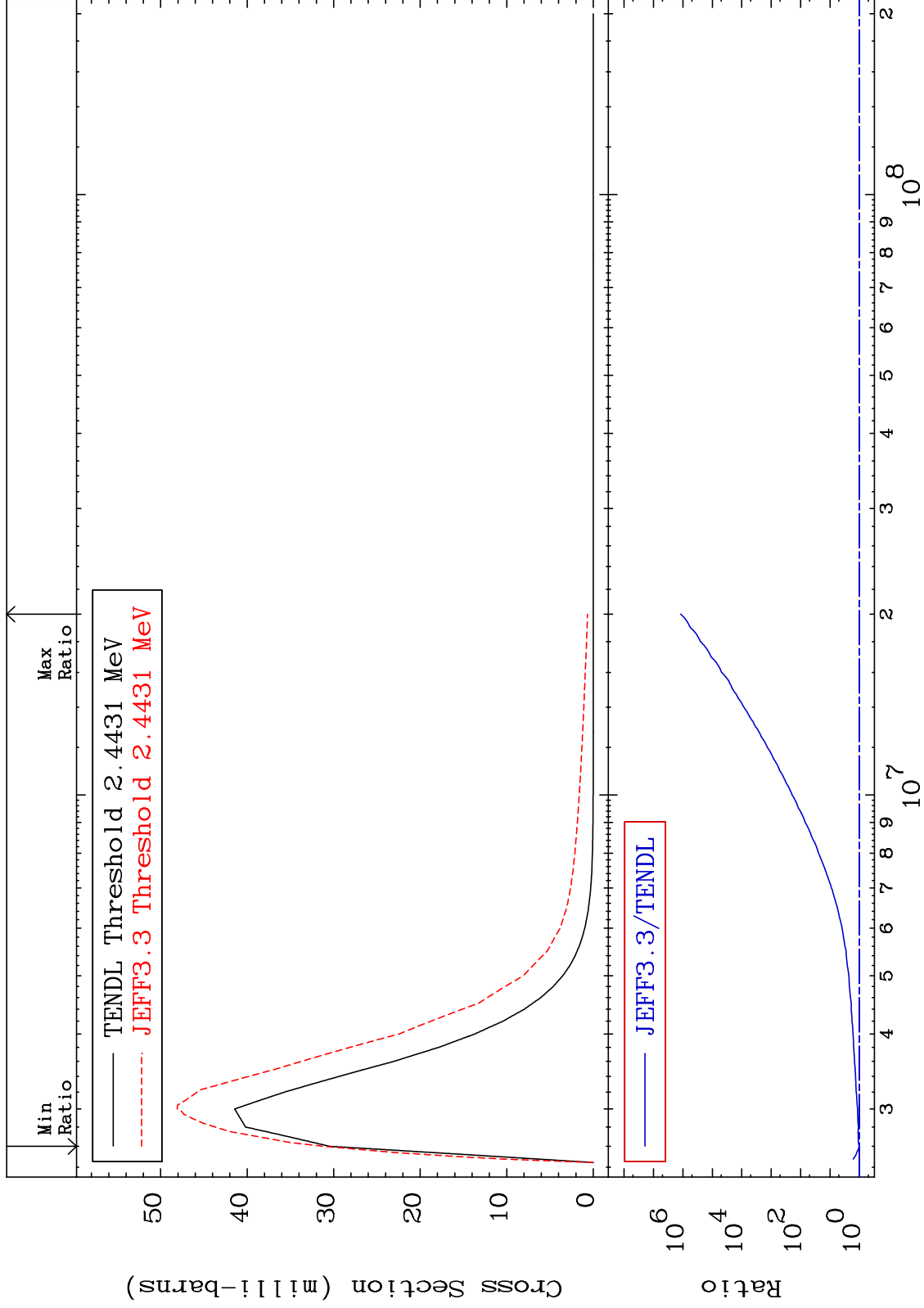
50-Sn-114  
-7.428 To 73.84 %



MAT 5031

MT= 57 (n,n') Level  
Cross Section

50-Sn-114  
2.181 To 9999. %

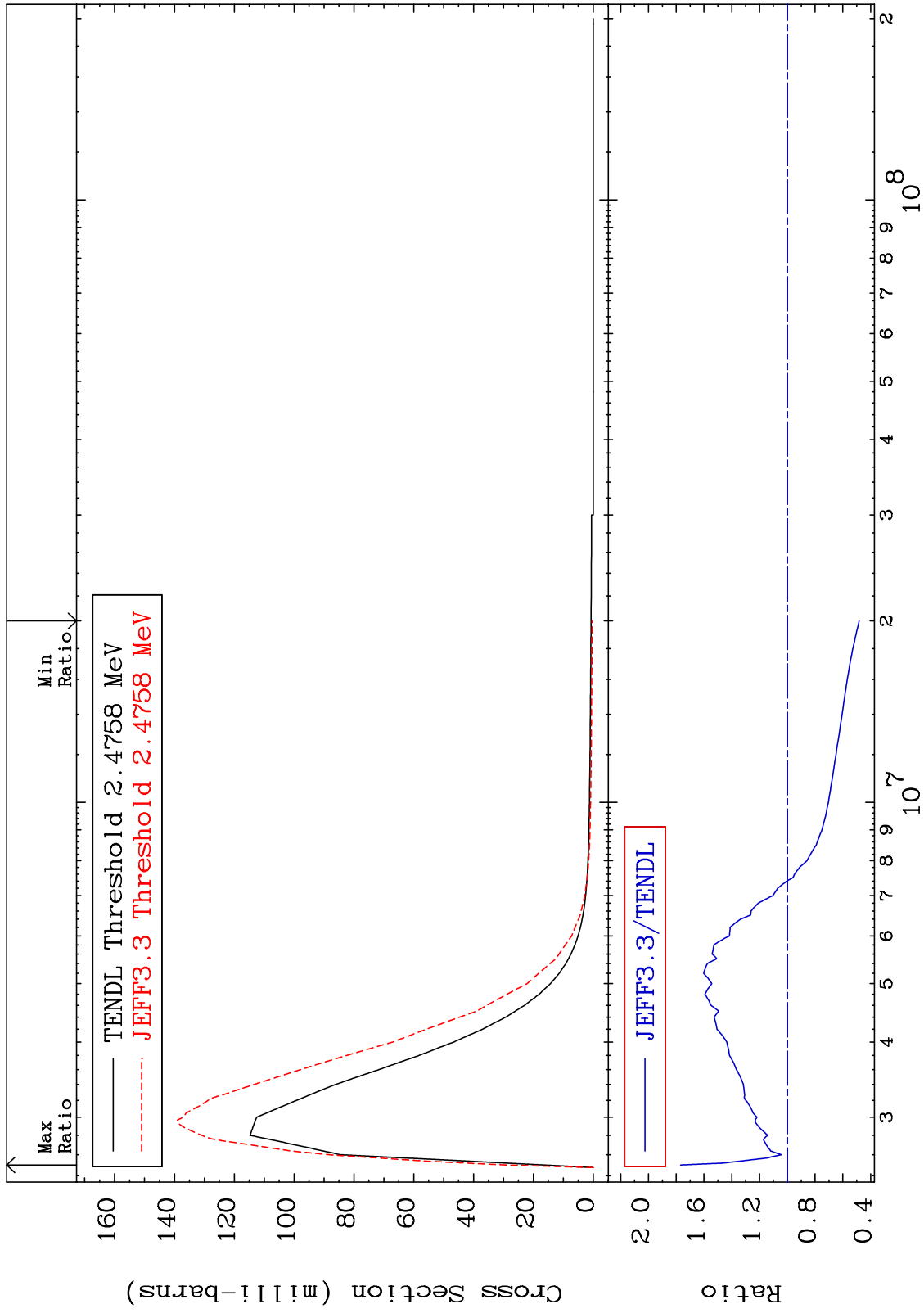




MAT 5031

MT= 58 (n,n') Level  
Cross Section

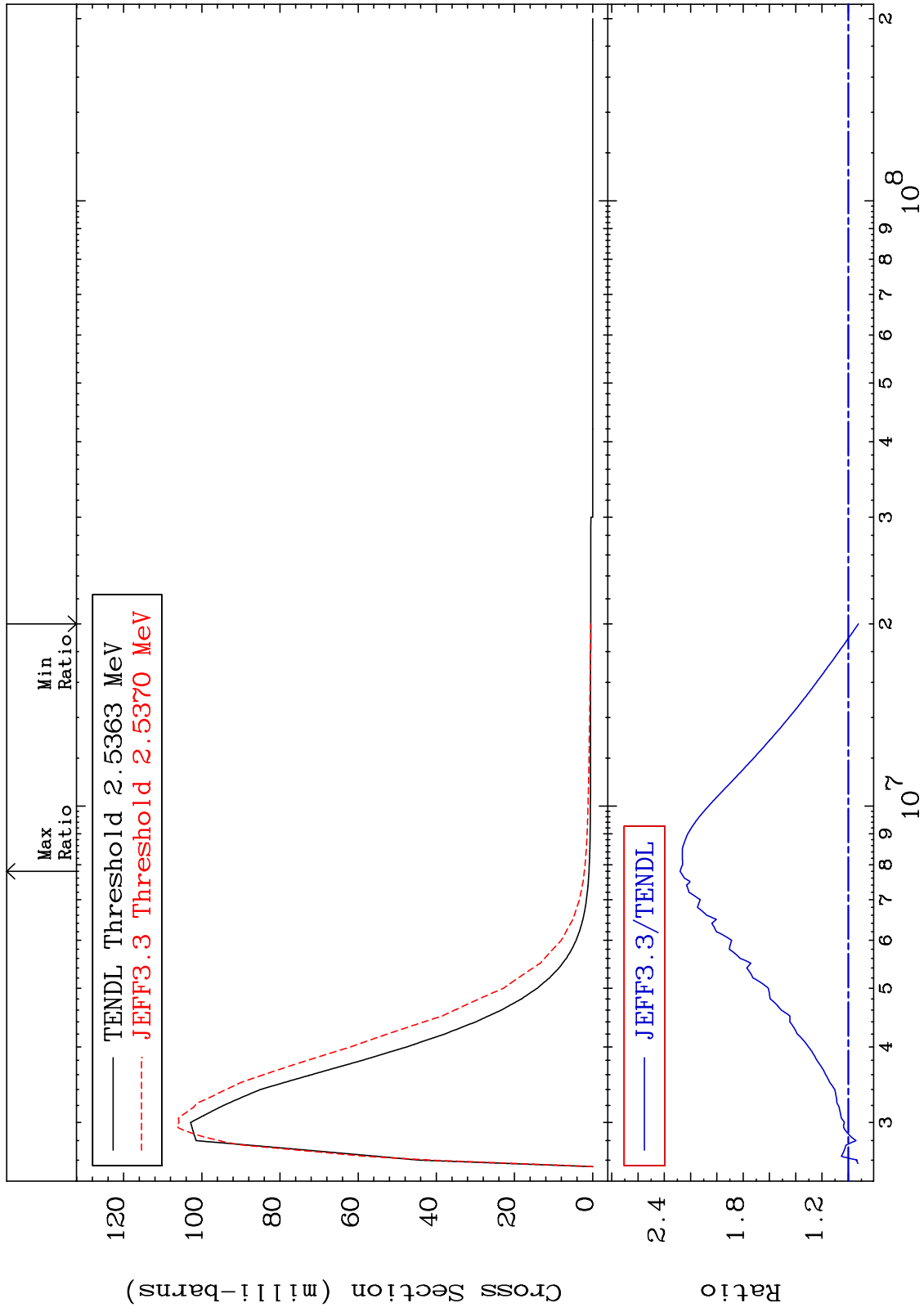
50-Sn-114  
-51.76 To 76.84 %



MAT 5031

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

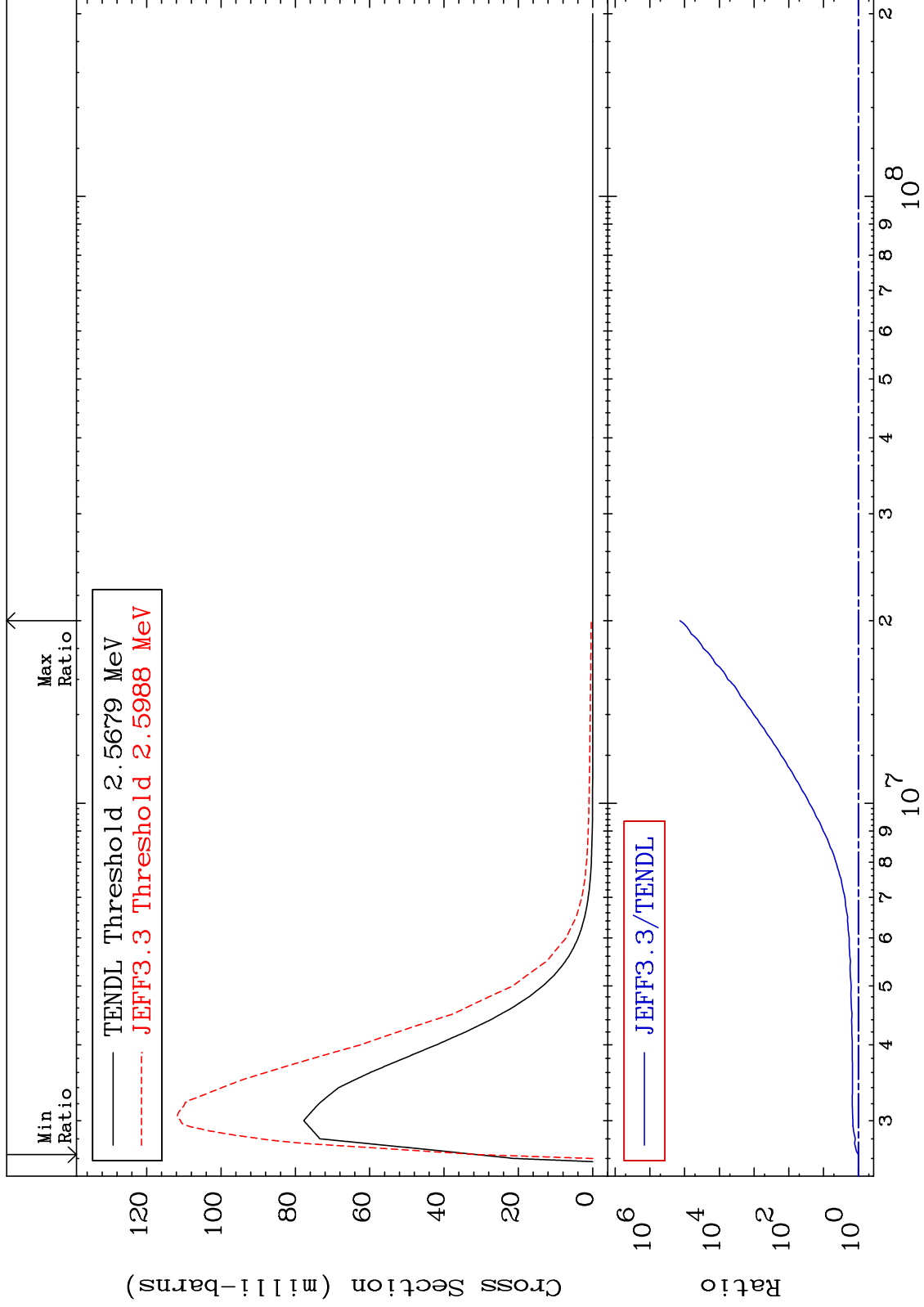
50-Sn-114  
-7.741 To 128.0 %



MAT 5031

MT= 60 (n,n') Level  
Cross Section

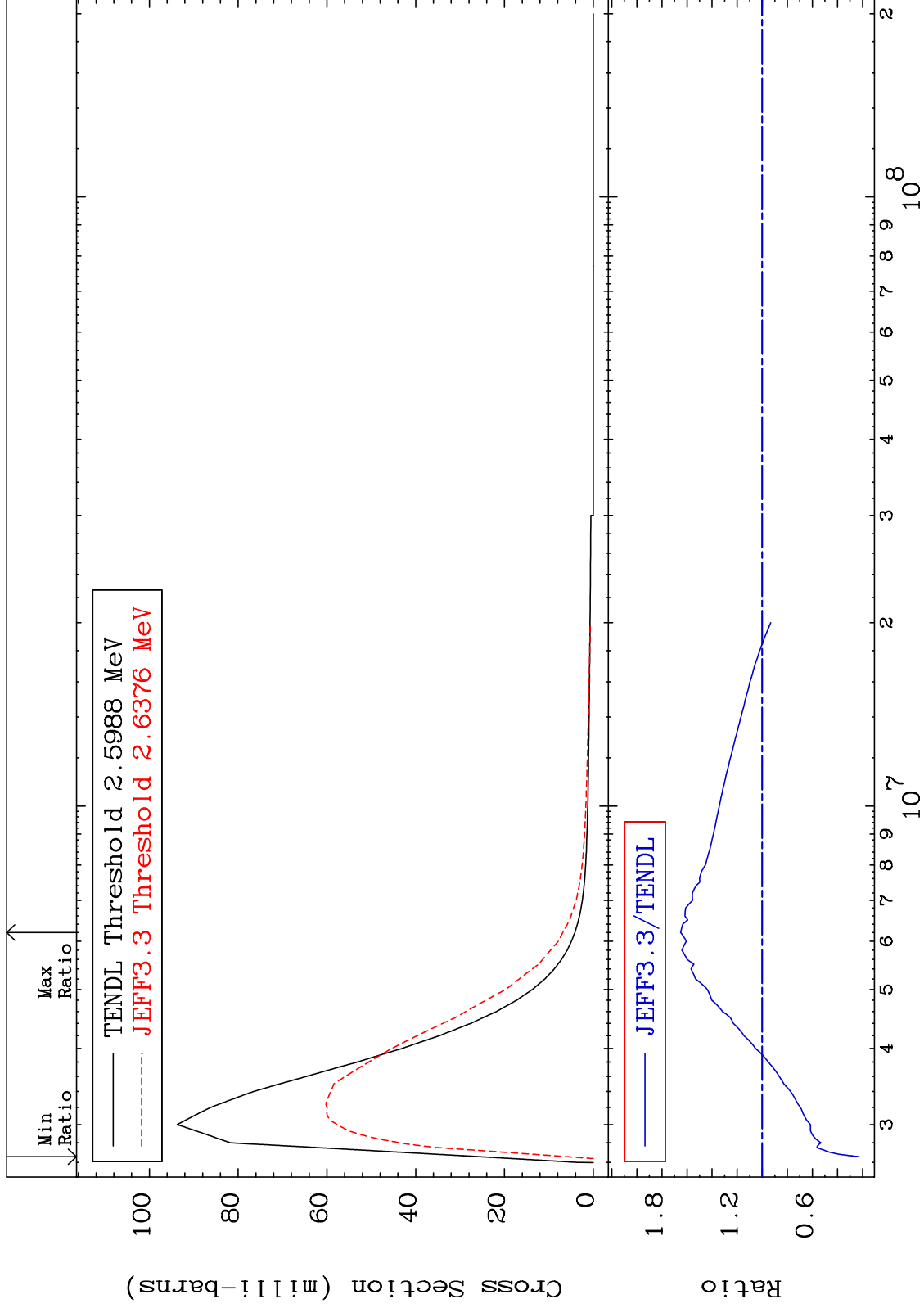
50-Sn-114  
-0.841 To 9999. %



MAT 5031

MT= 61 (n,n') Level  
Cross Section

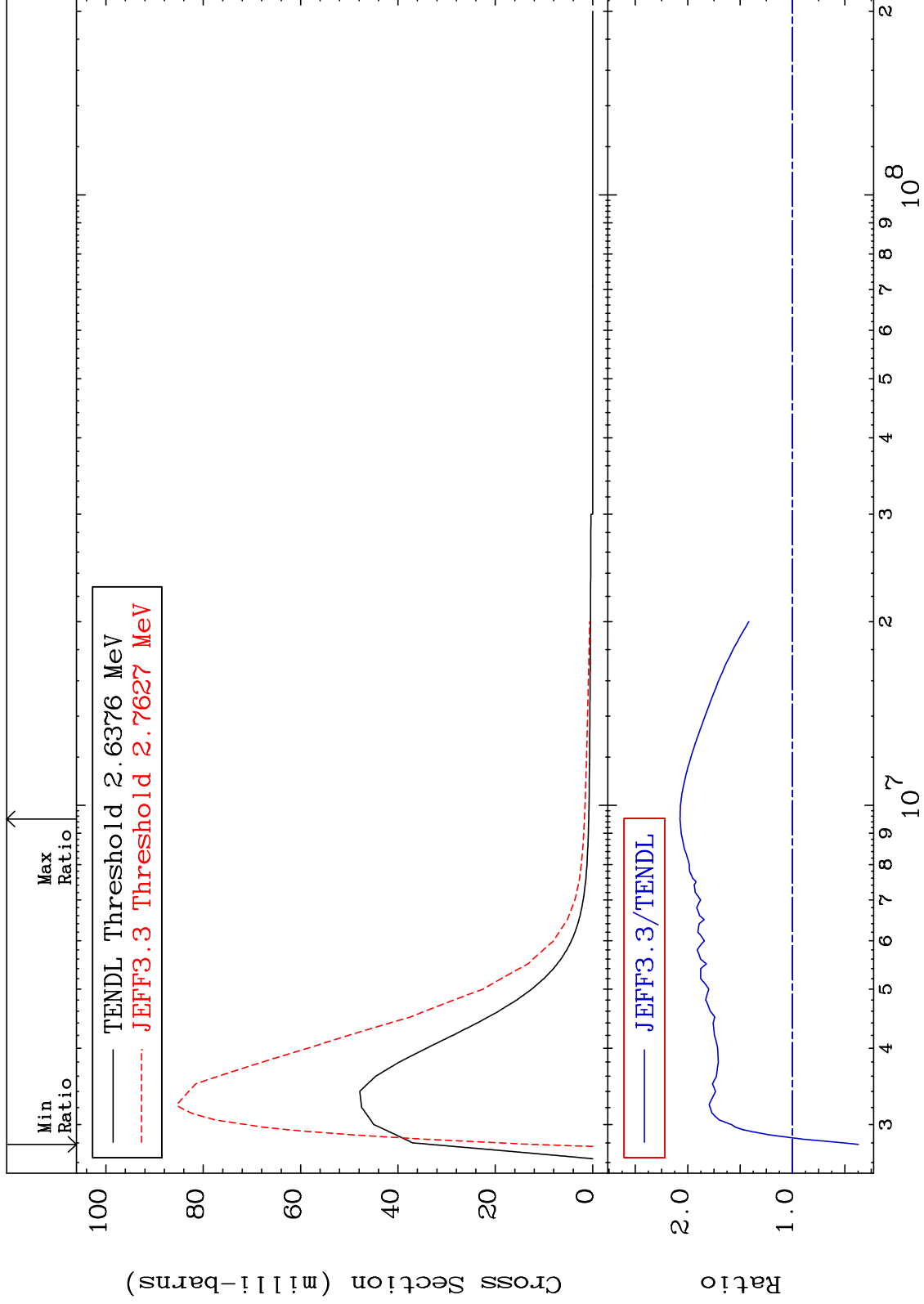
50-Sn-114  
-77.31 To 65.09 %



MAT 5031

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

50-Sn-114  
-62.85 To 107.4 %



20

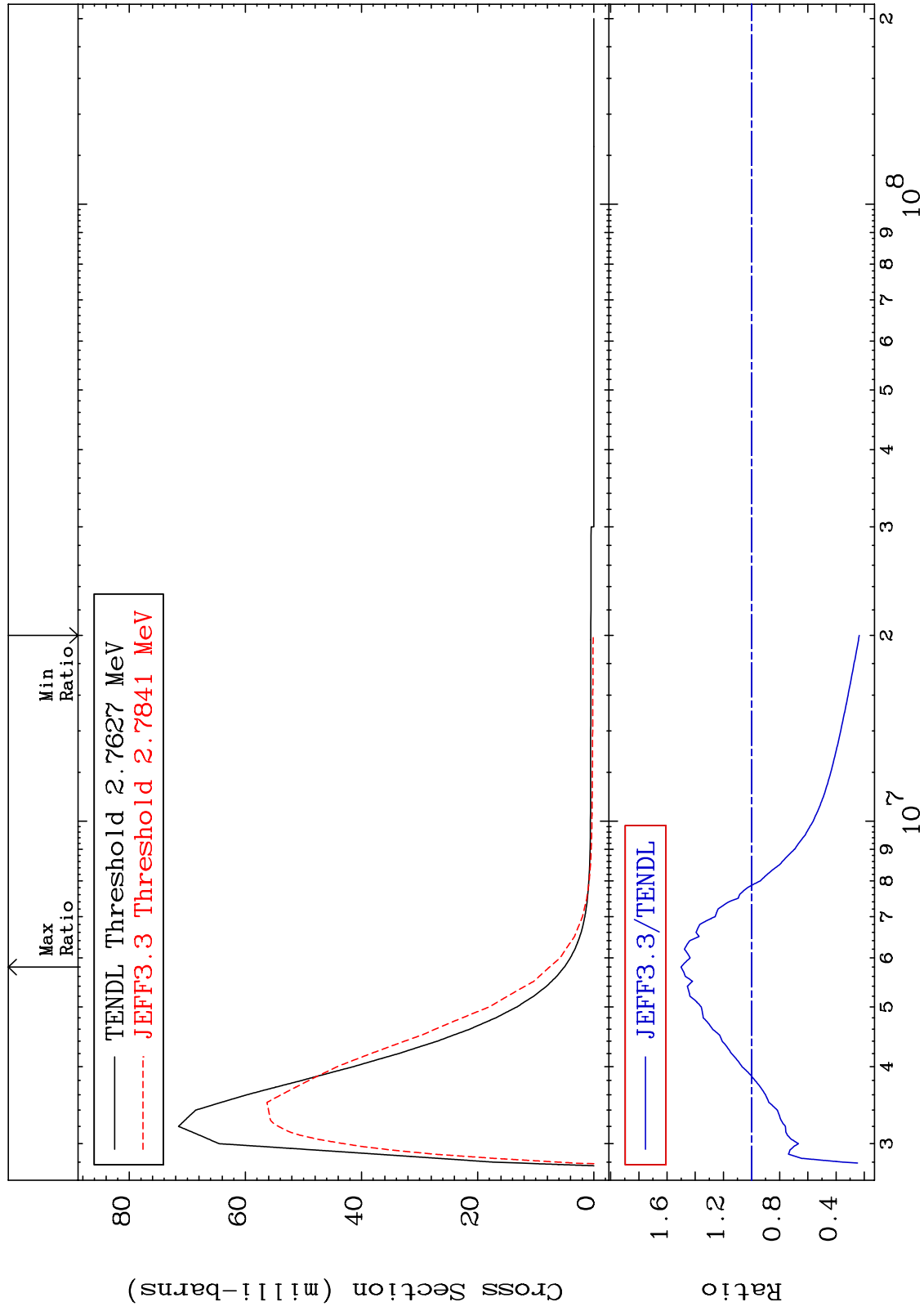
Incident Energy (eV)

50-Sn-114

MAT 5031

MT= 63 (n,n') Level  
Cross Section

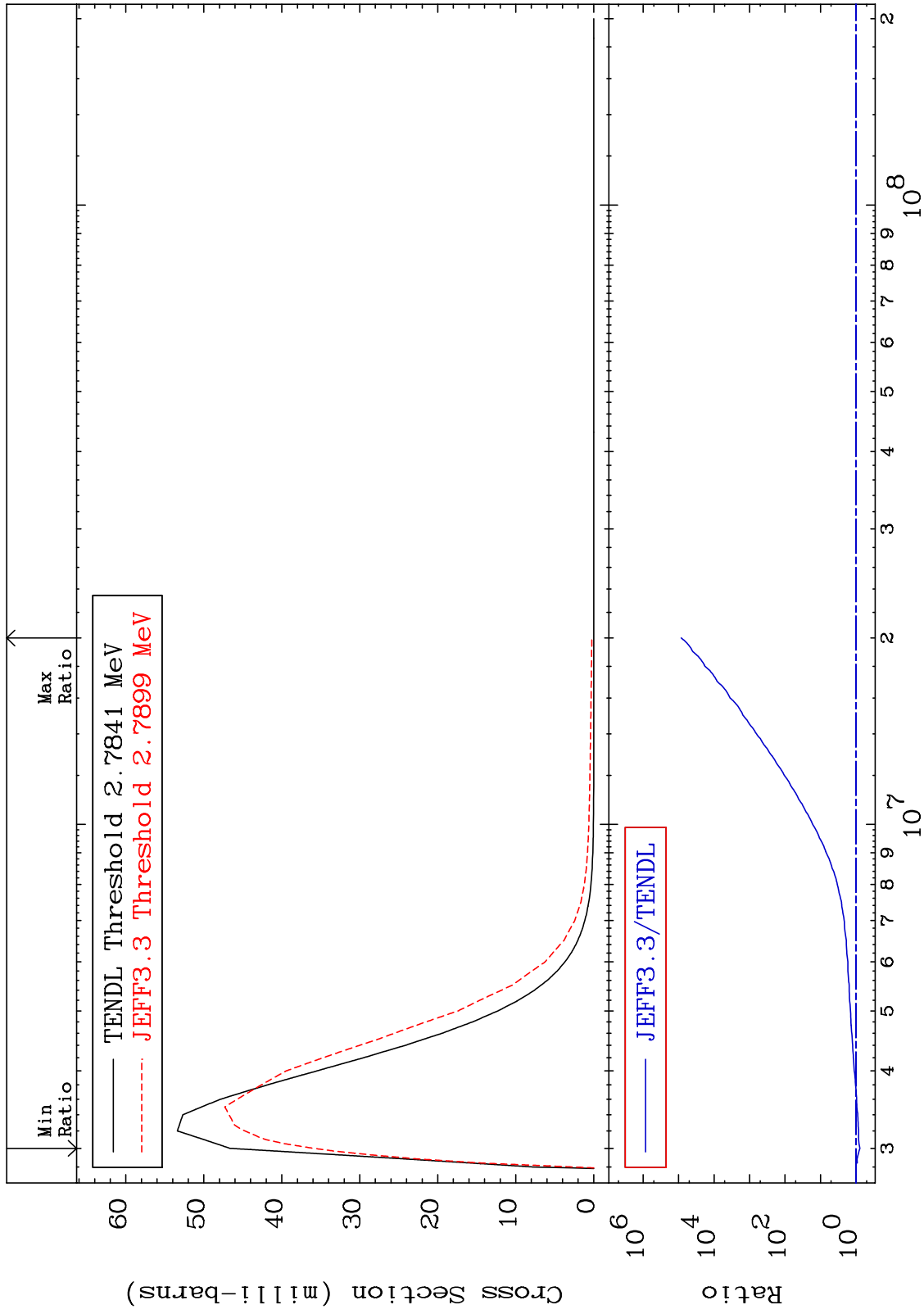
50-Sn-114  
-76.50 To 50.05 %



MAT 5031

MT= 64 (n,n') Level  
Cross Section

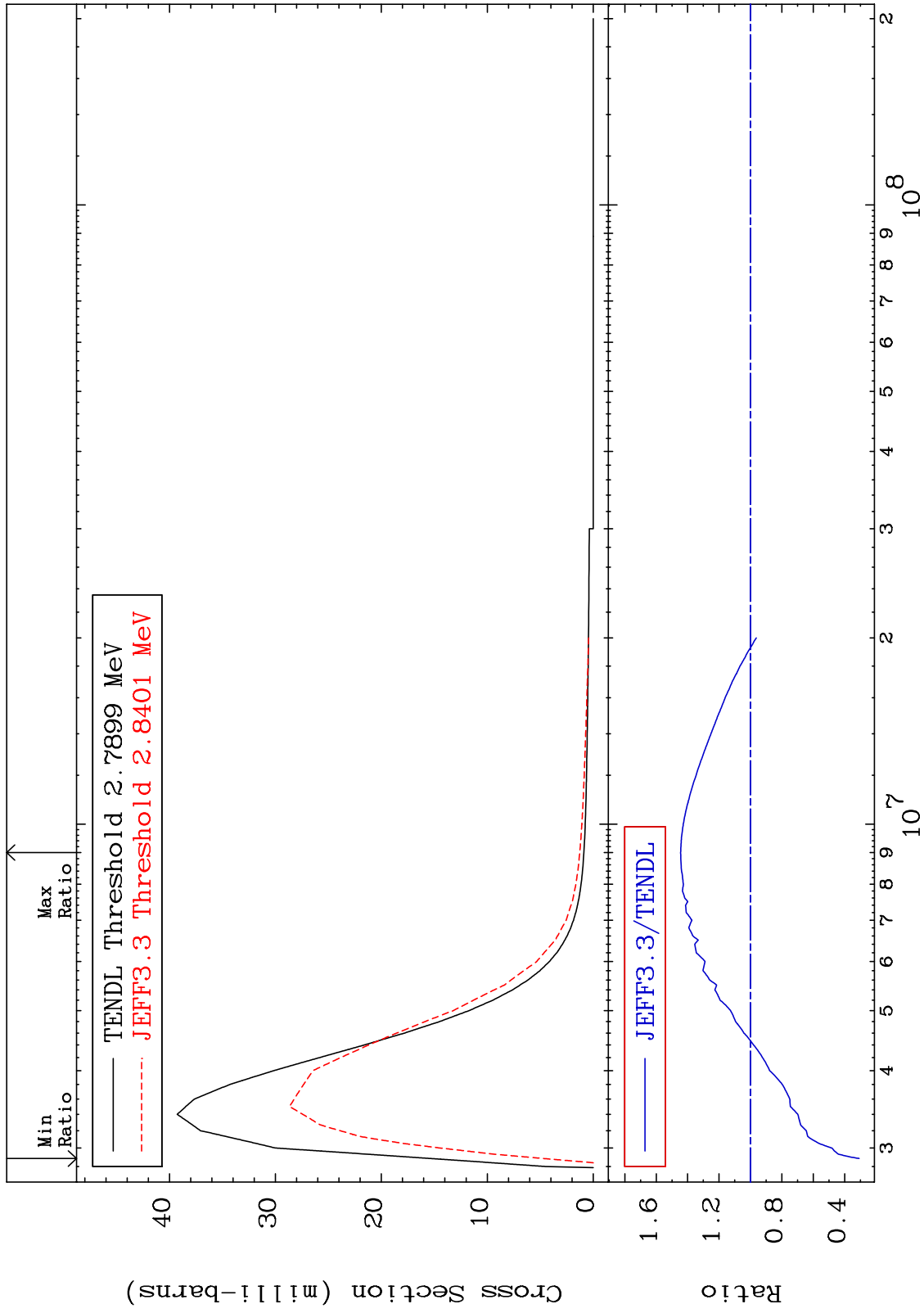
50-Sn-114  
-22.96 To 9999. %



MAT 5031

MT= 65 (n,n') Level  
Cross Section

50-Sn-114  
-69.24 To 44.47 %

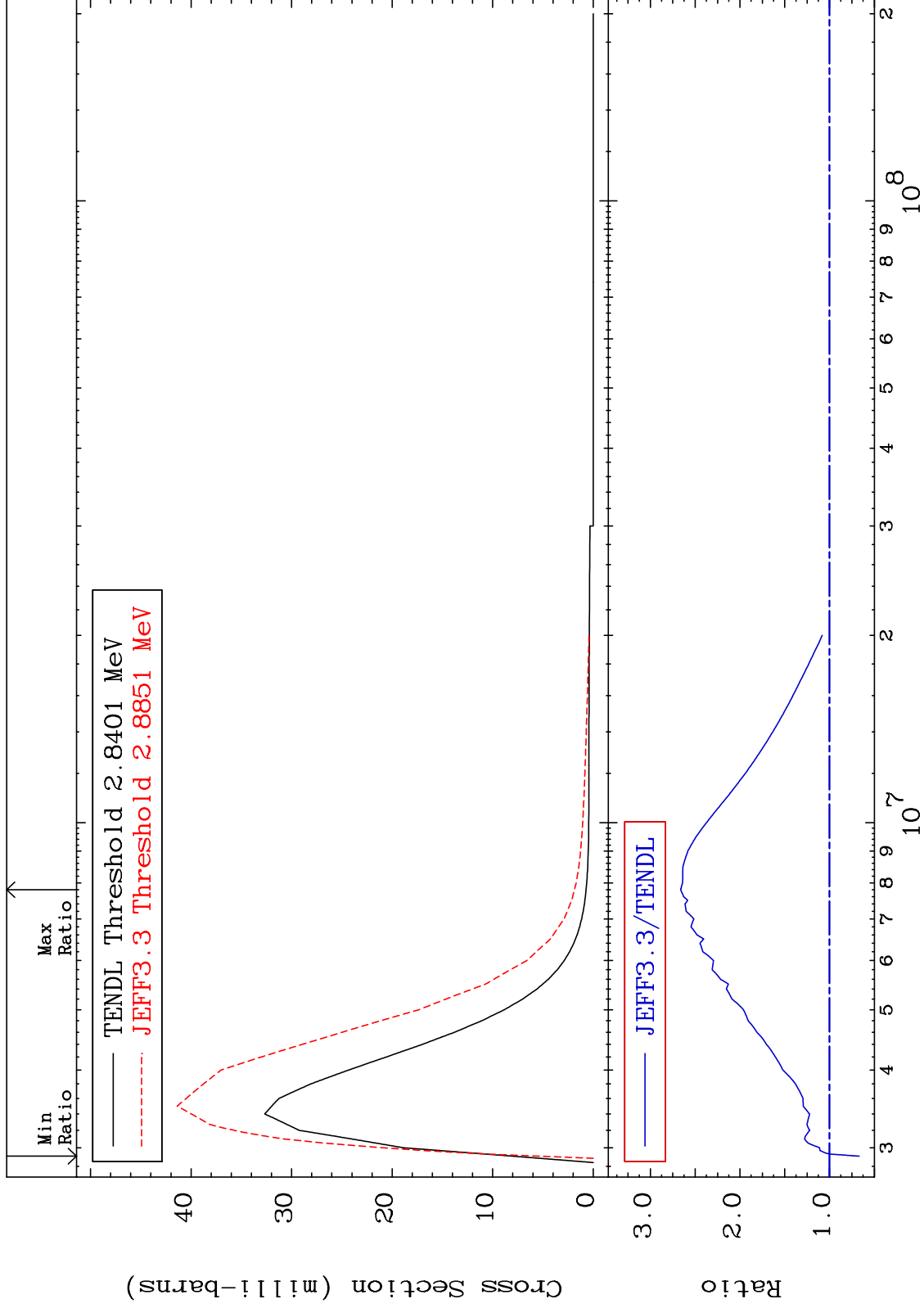




MAT 5031

MT= 66 (n,n') Level  
Cross Section

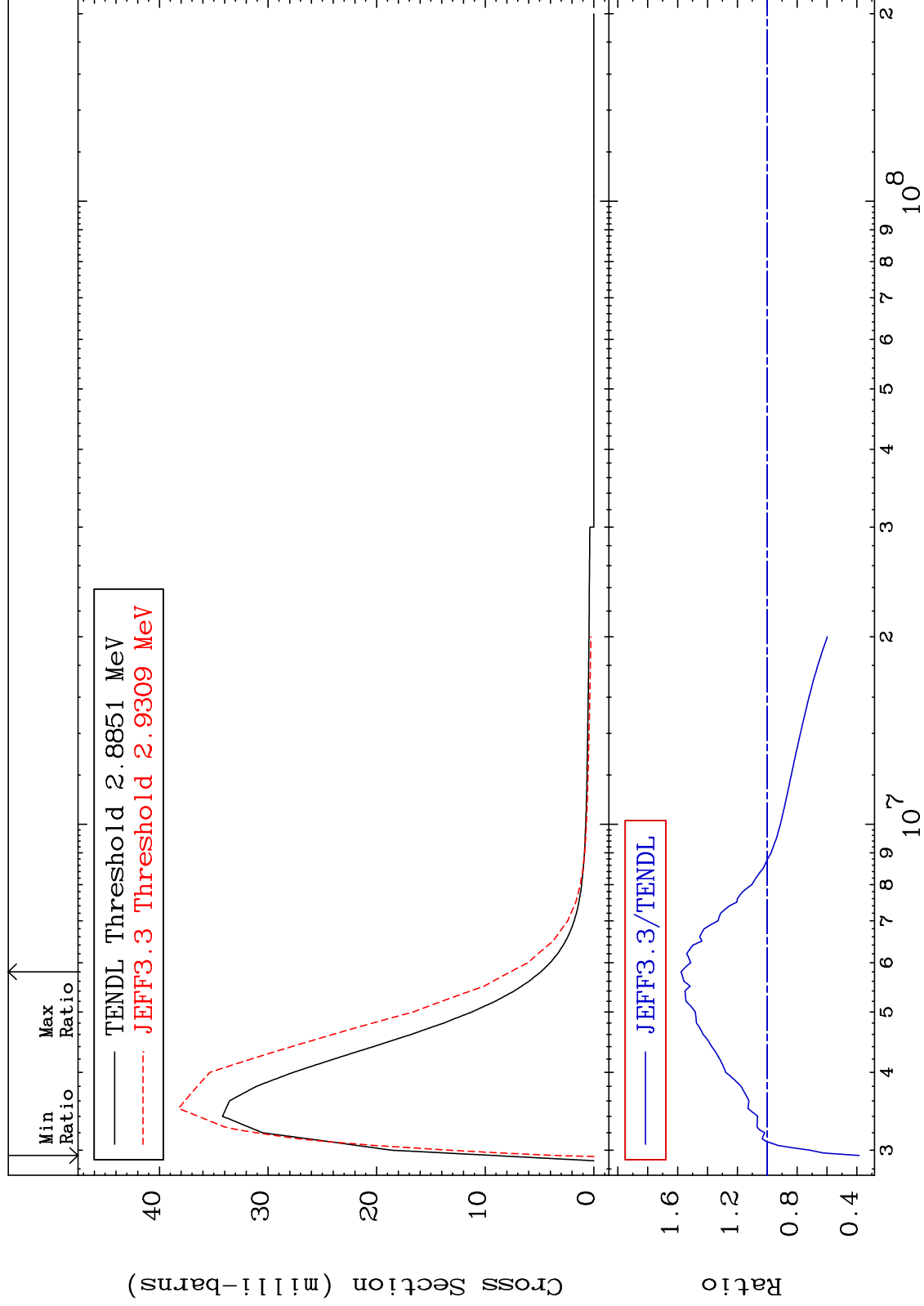
50-Sn-114  
-33.09 To 166.2 %



MAT 5031

MT= 67 (n,n') Level  
Cross Section

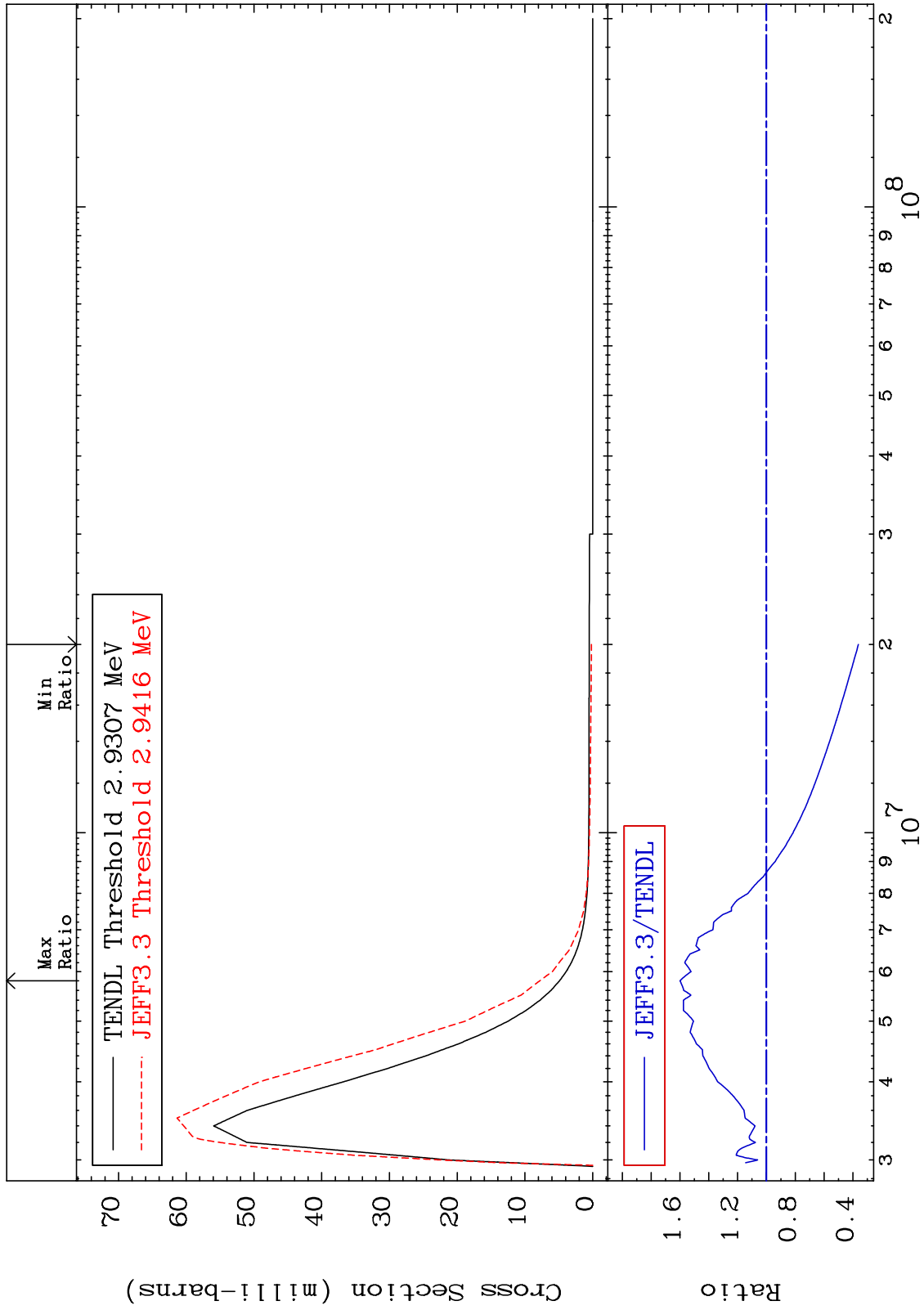
50-Sn-114  
-61.60 To 57.70 %



MAT 5031

MT= 68 (n,n') Level  
Cross Section

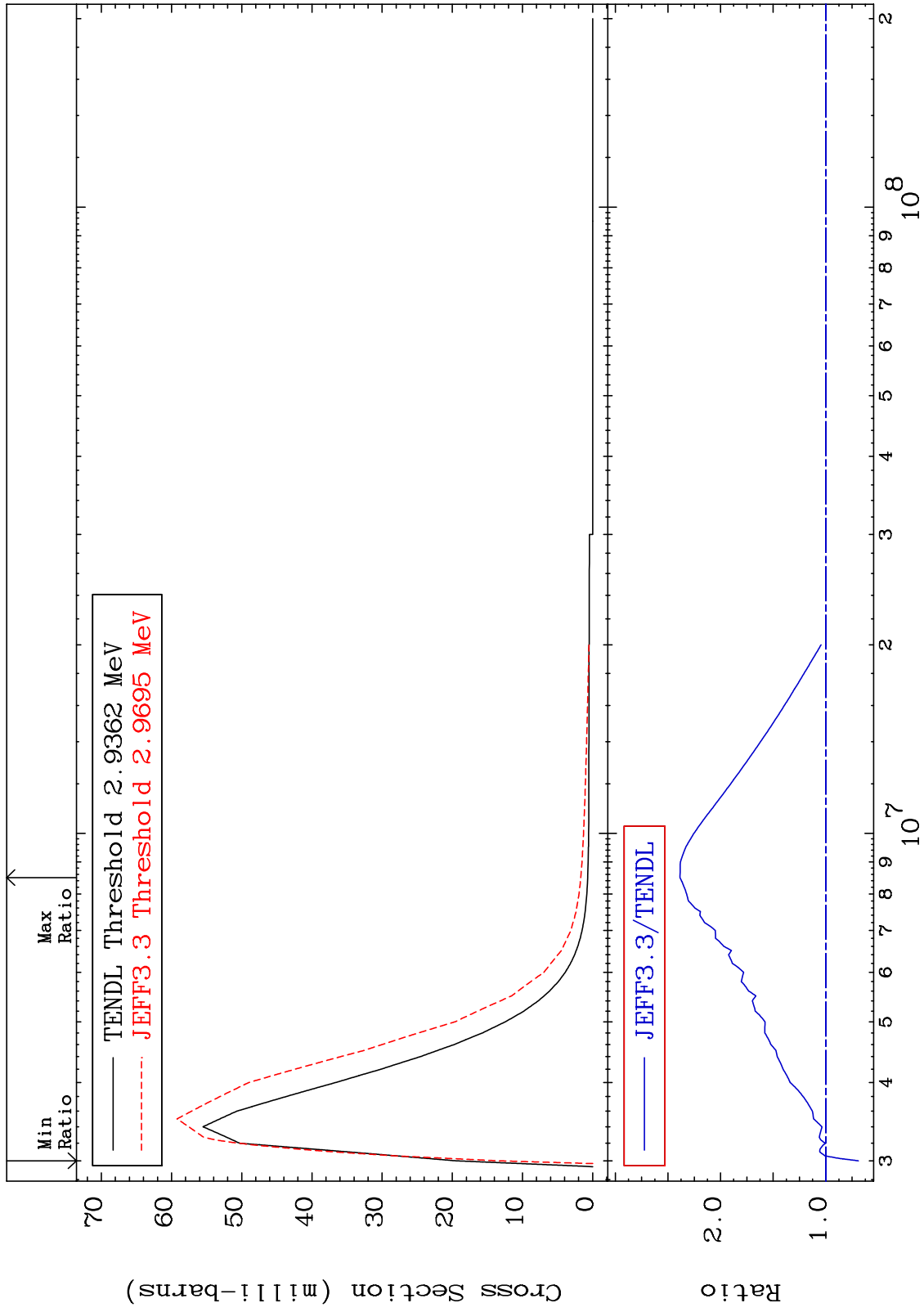
50-Sn-114  
-63.82 To 59.95 %



MAT 5031

MT= 69 (n,n') Level  
Cross Section

50-Sn-114  
-31.01 To 138.5 %



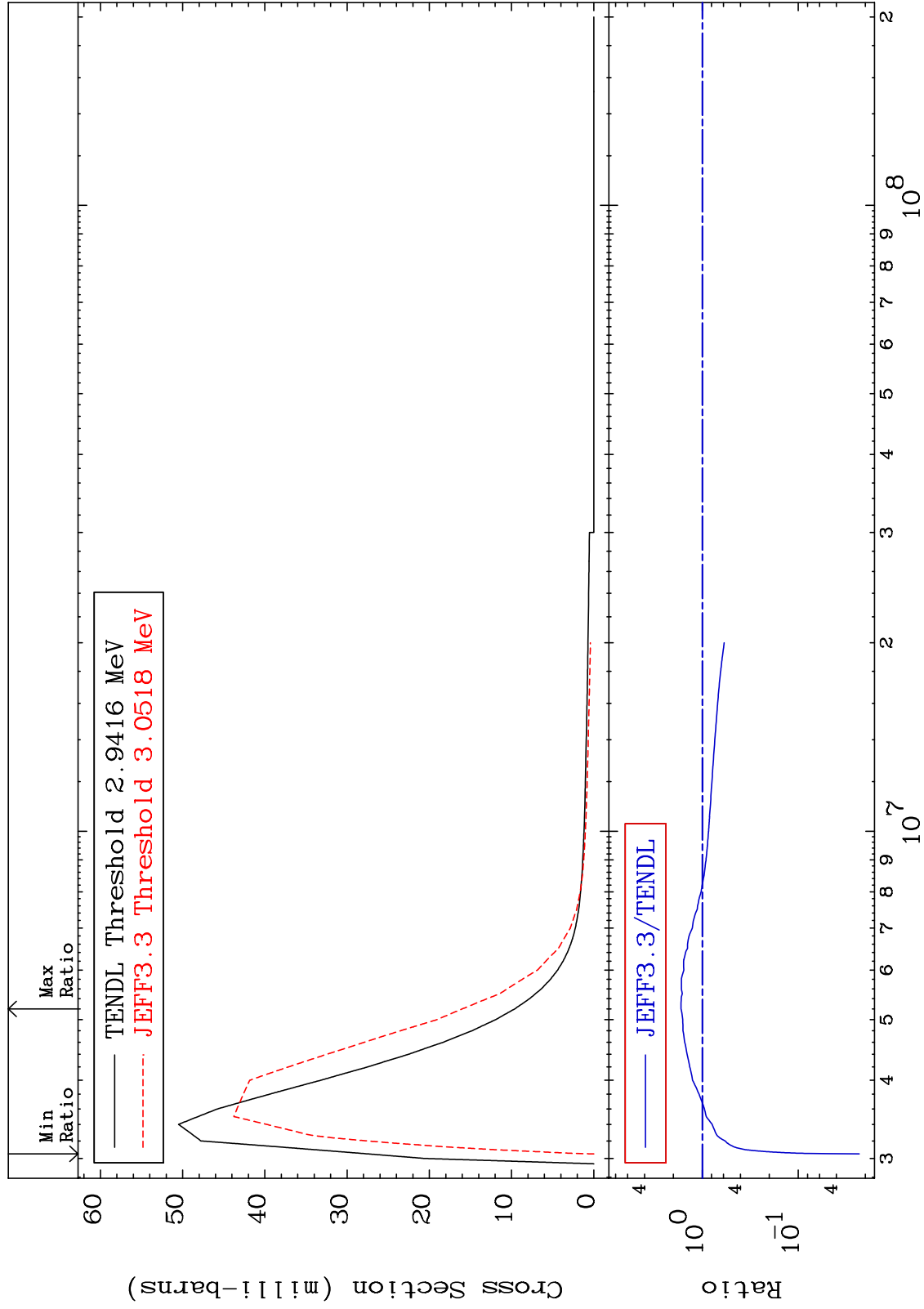
27

50-Sn-114

MAT 5031

MT= 70 (n,n') Level  
Cross Section

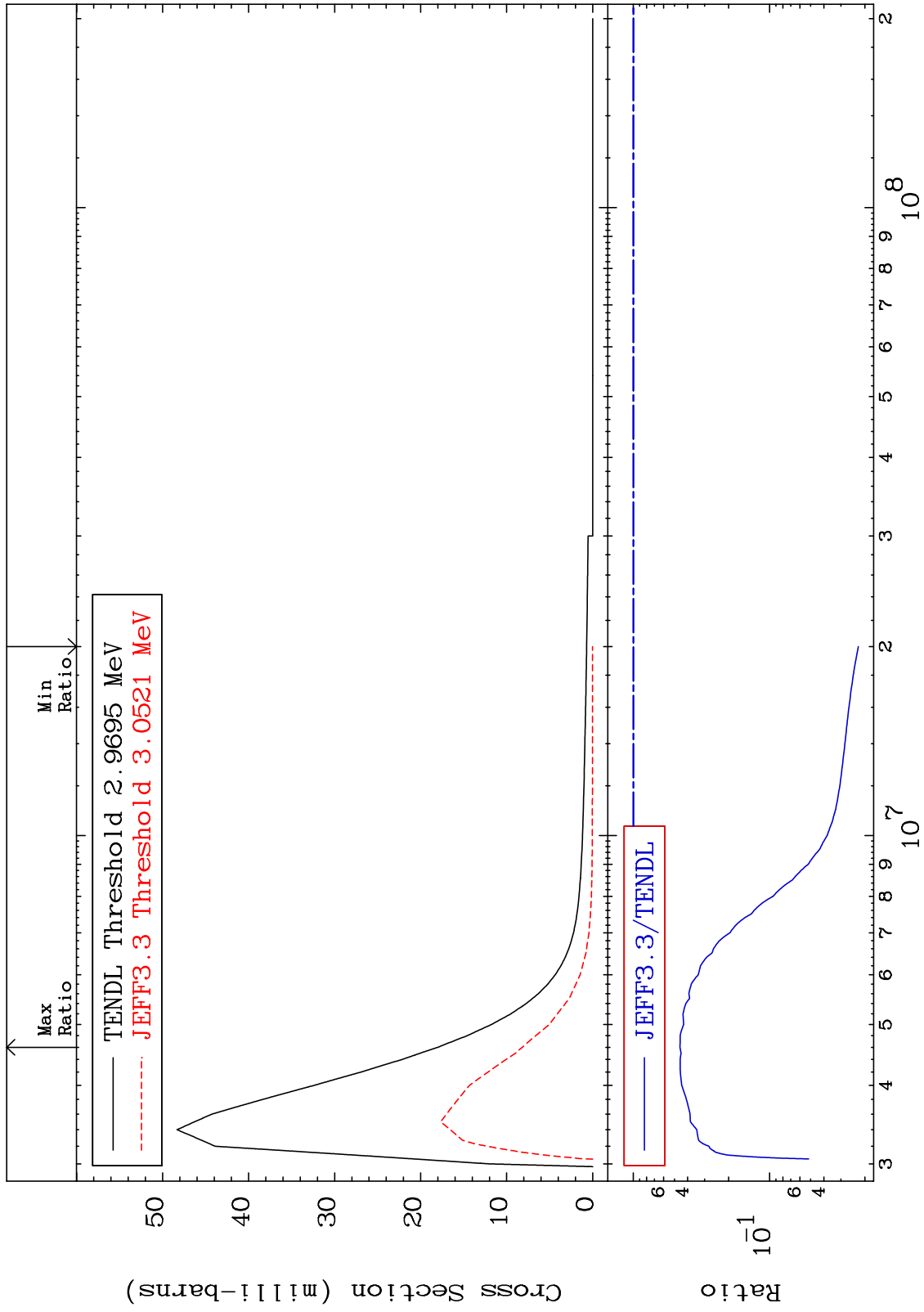
50-Sn-114  
-97.69 To 66.34 %



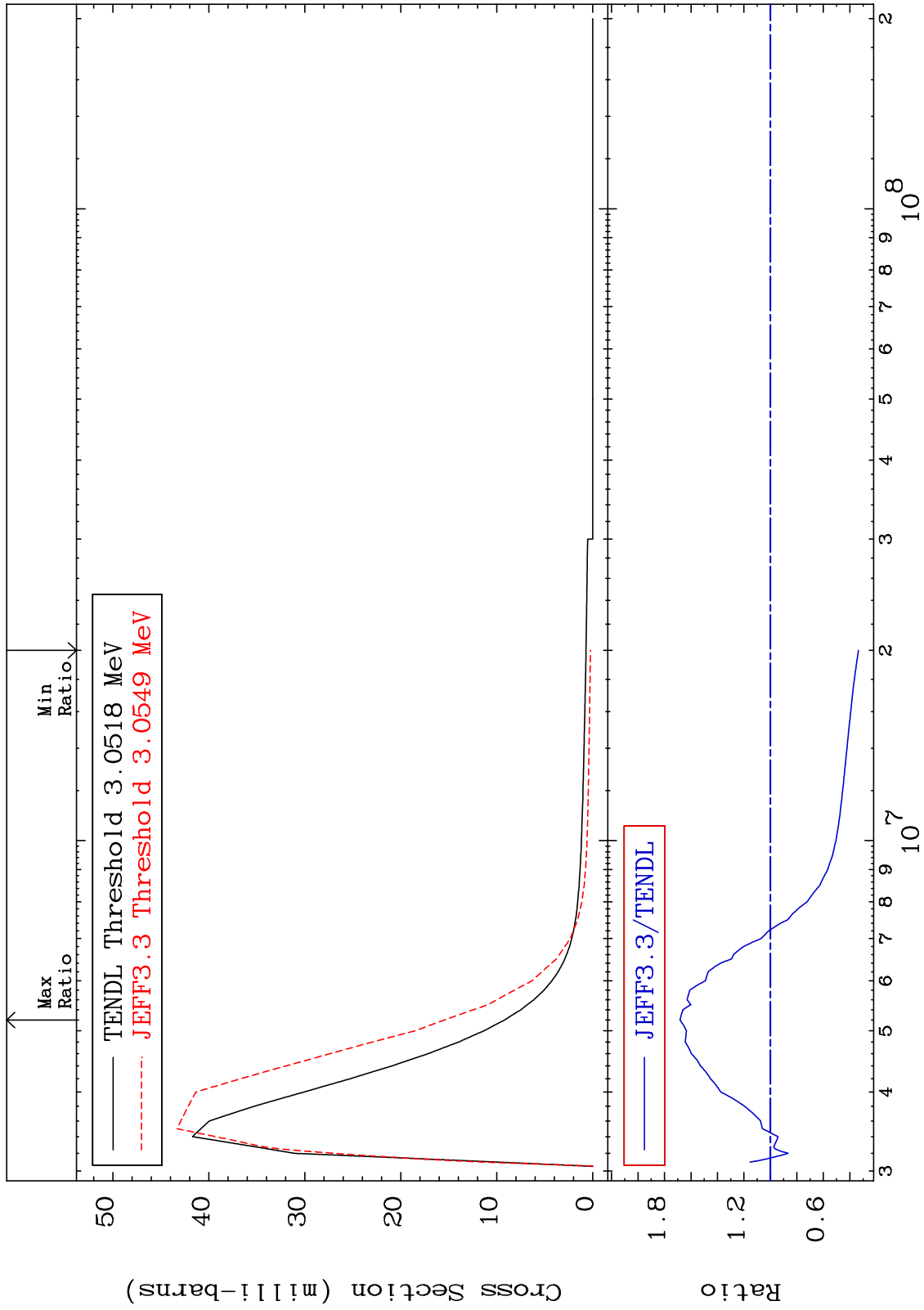
MAT 5031

MT= 71 (n,n') Level  
Cross Section

50-Sn-114  
-97.77 To -54.53%



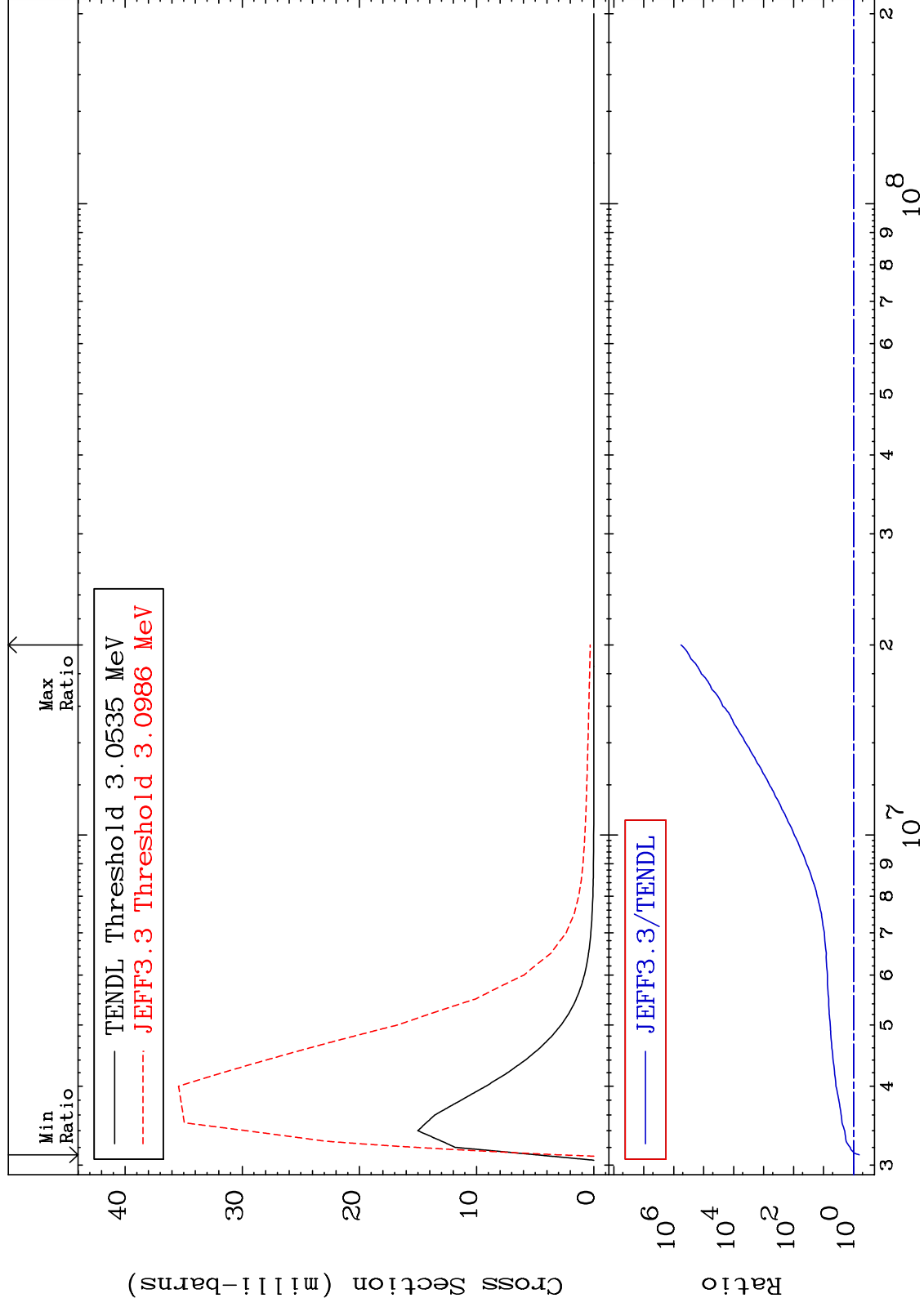
MAT 5031 MT= 72 (n,n') Level  
Cross Section 50-Sn-114  
-66.49 To 68.27 %



MAT 5031

MT= 73 (n,n') Level  
Cross Section

50-Sn-114  
-35.65 To 9999. %

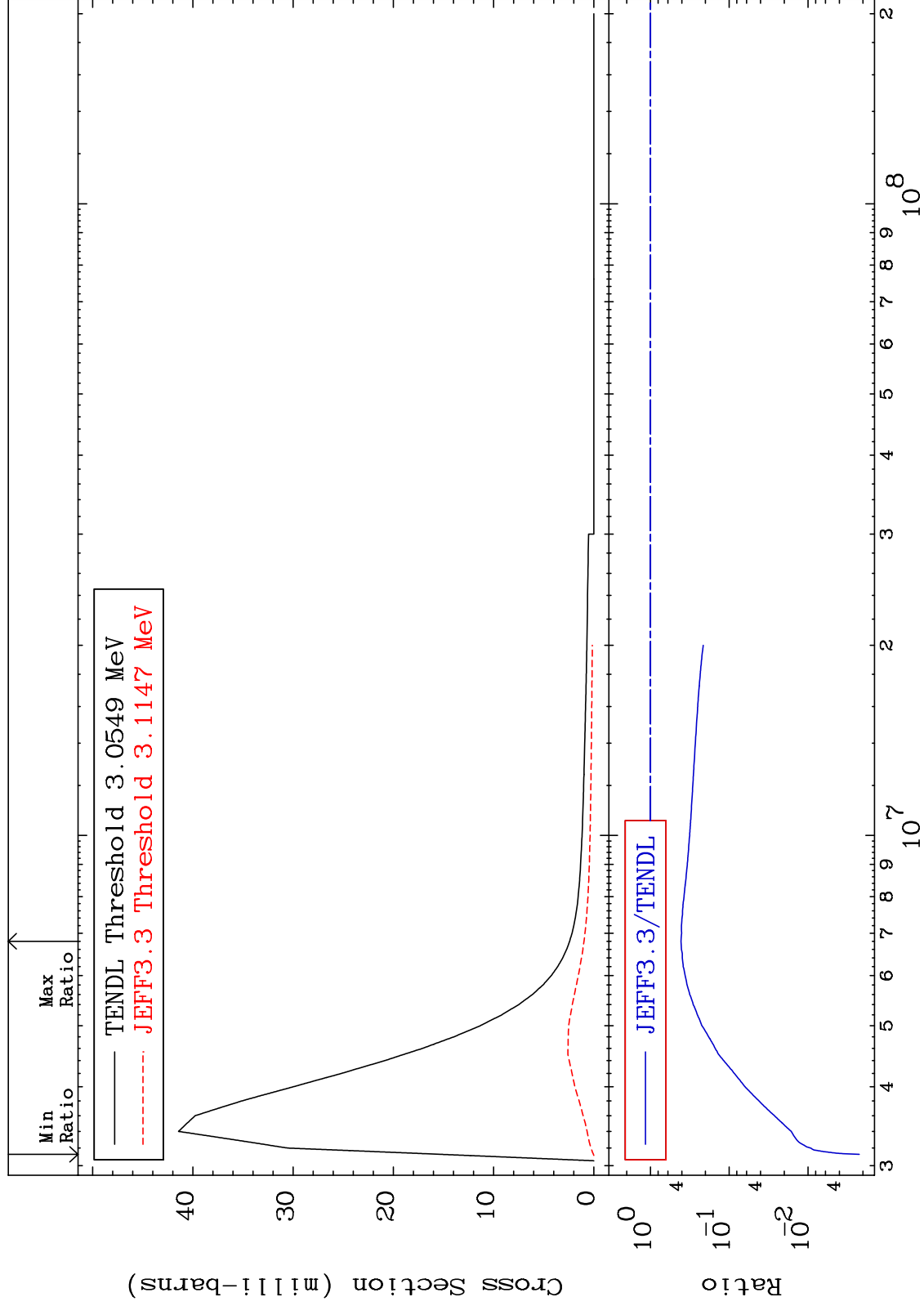




MAT 5031

MT= 74 (n,n') Level  
Cross Section

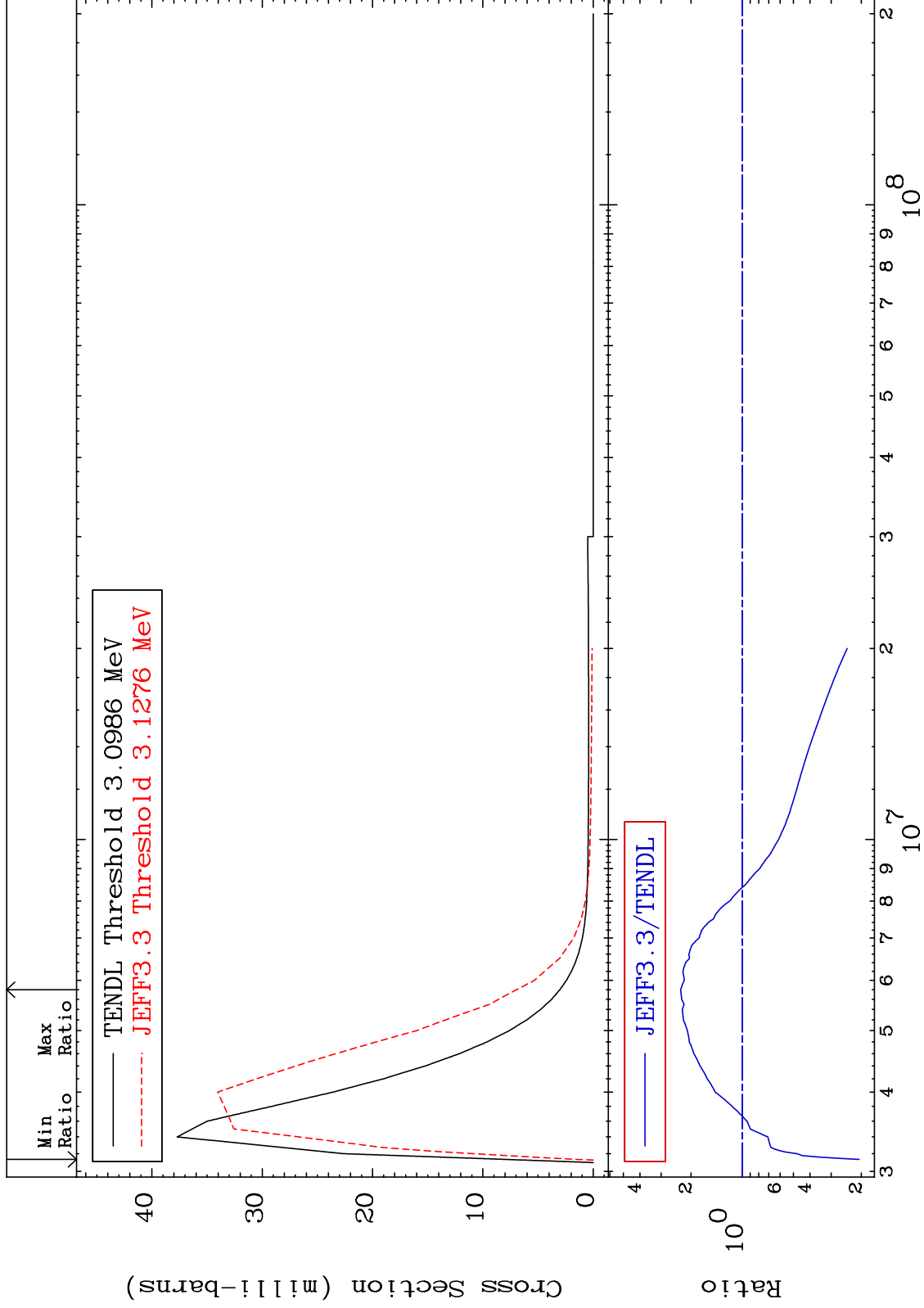
50-Sn-114  
-99.78 To -59.14%



MAT 5031

MT= 75 (n,n') Level  
Cross Section

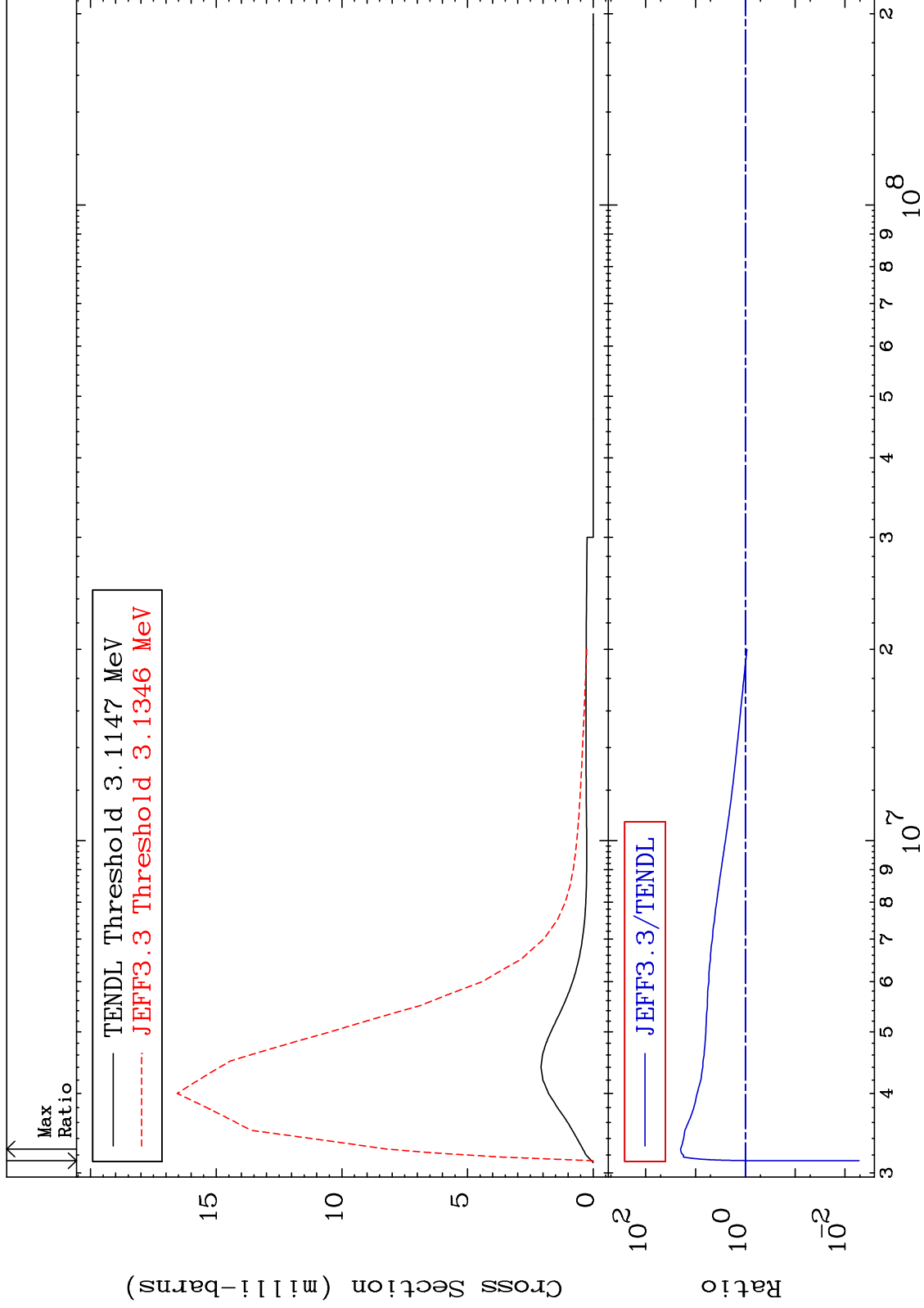
50-Sn-114  
-79.44 To 130.4 %



MAT 5031

MT= 76 (n,n') Level  
Cross Section

50-Sn-114  
-99.48 To 1891. %

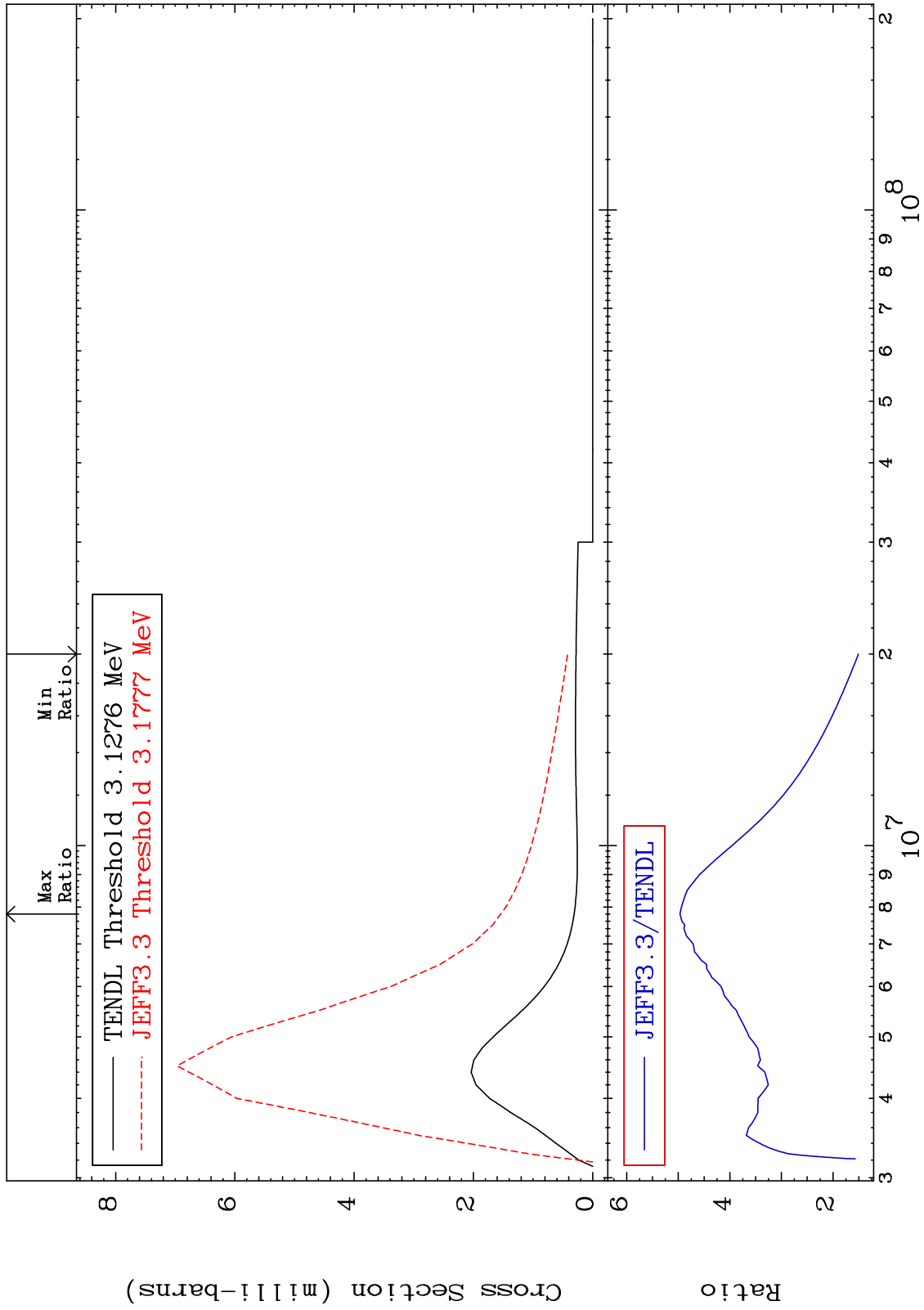


34

Incident Energy (eV)

50-Sn-114

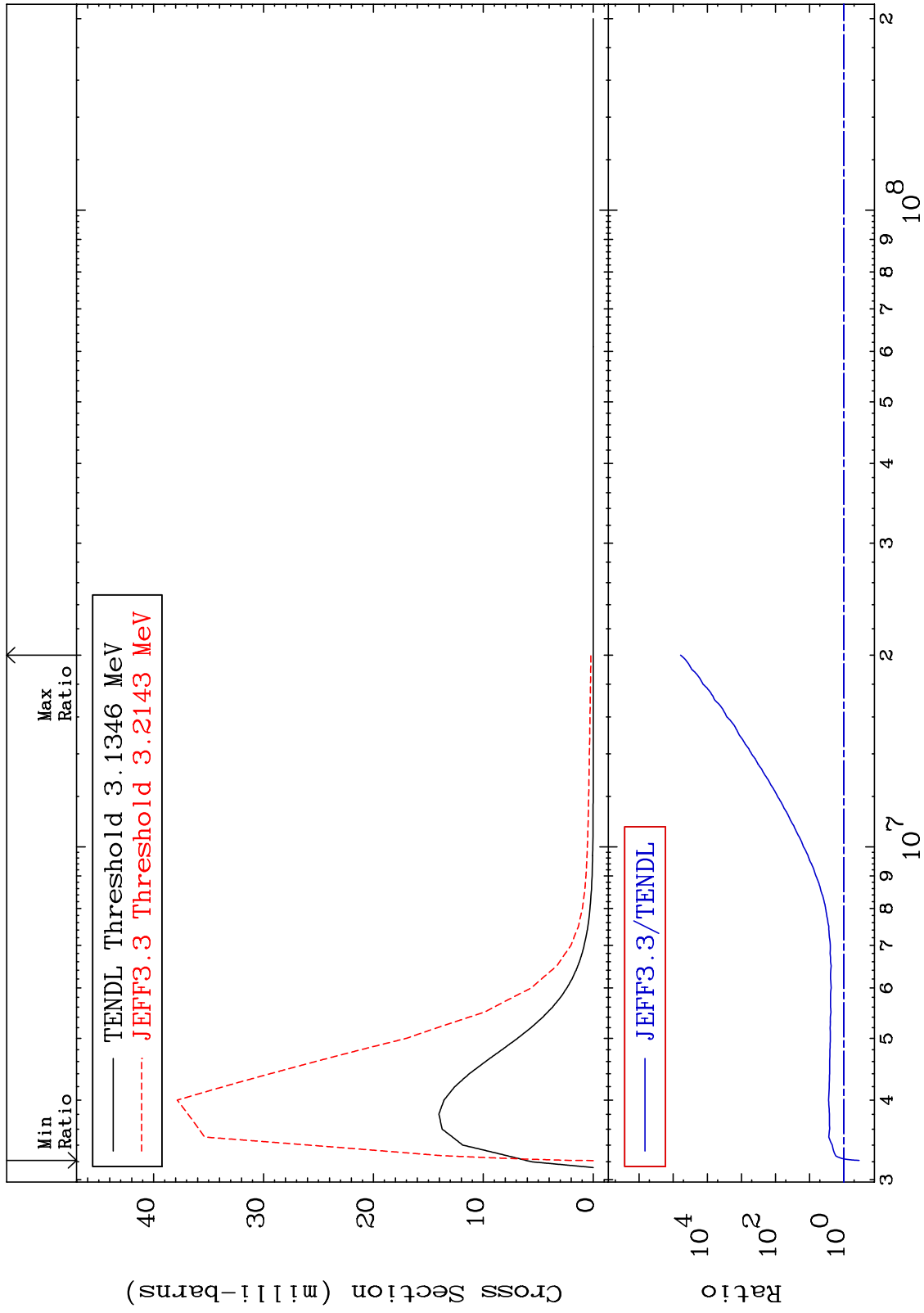
MAT 5031 MT= 77 (n,n') Level Cross Section 50-Sn-114 To 396.7 %



MAT 5031

MT= 78 (n,n') Level  
Cross Section

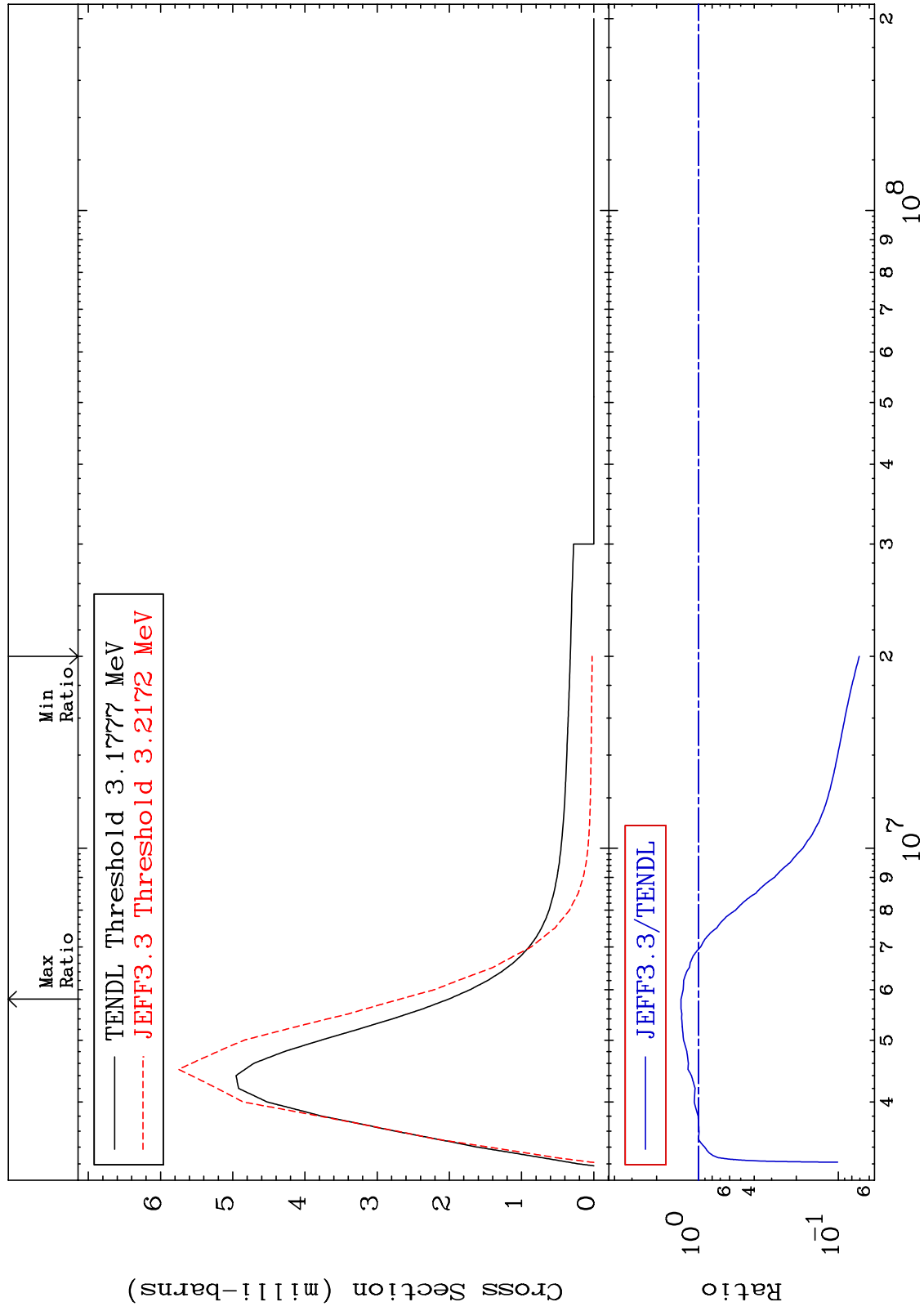
50-Sn-114  
-64.61 To 9999. %



MAT 5031

MT= 79 (n,n') Level  
Cross Section

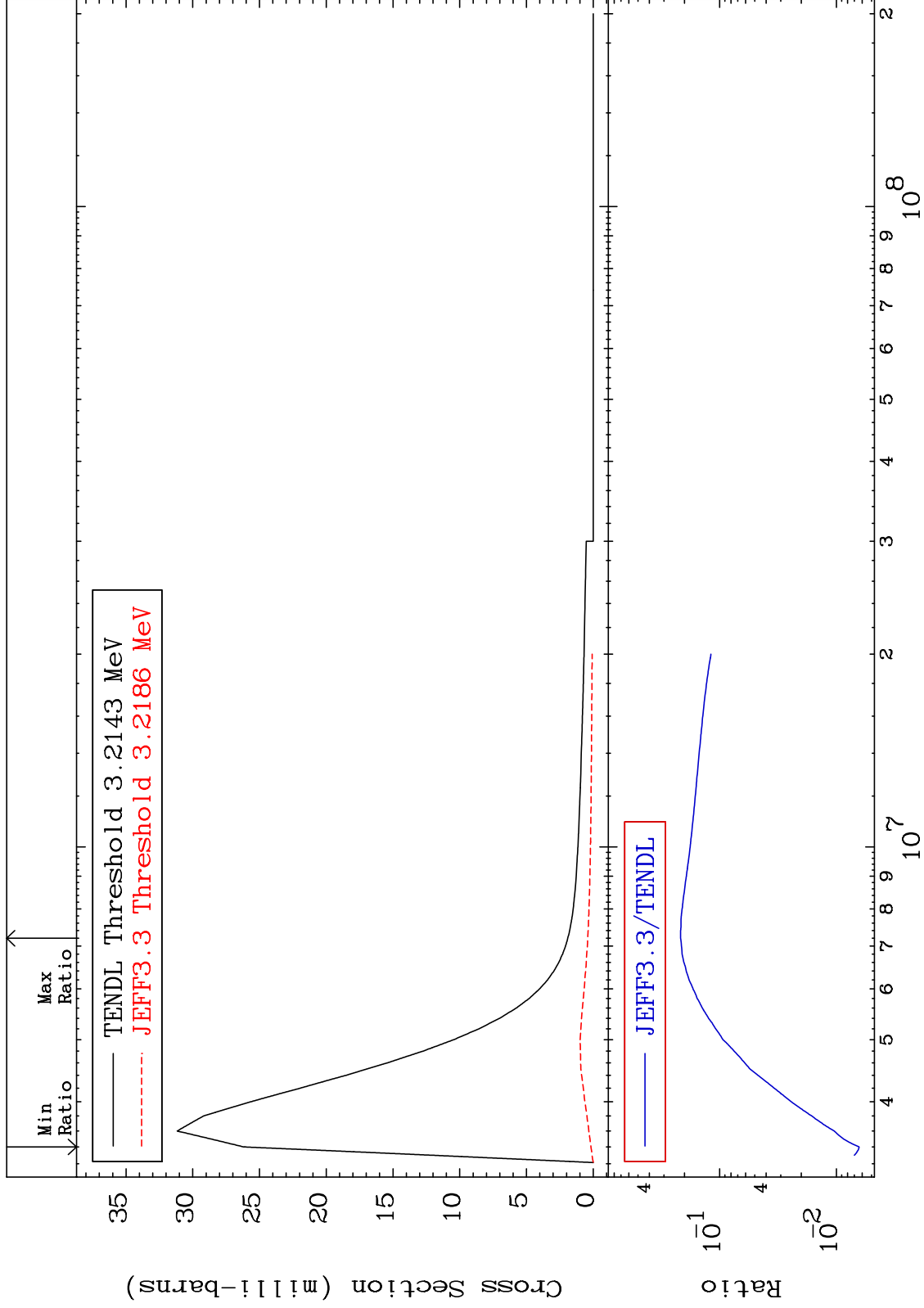
50-Sn-114  
-92.92 To 33.56 %



MAT 5031

MT= 80 (n,n') Level  
Cross Section

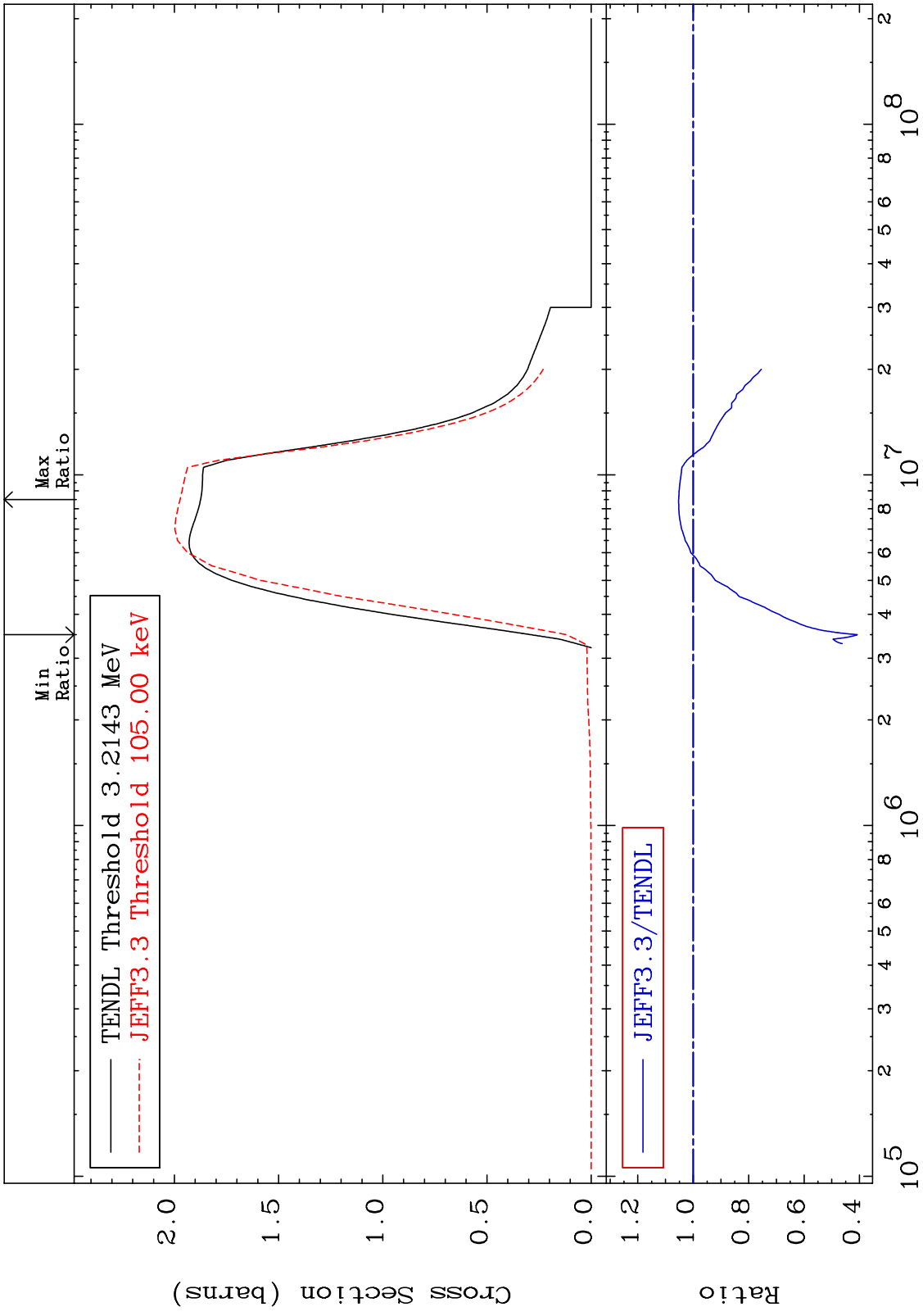
50-Sn-114  
-99.36 To -78.41%



MAT 5031

(n, n') Continuum  
Cross Section

50-Sn-114  
-59.21 To 5.271 %



39

Incident Energy (eV)

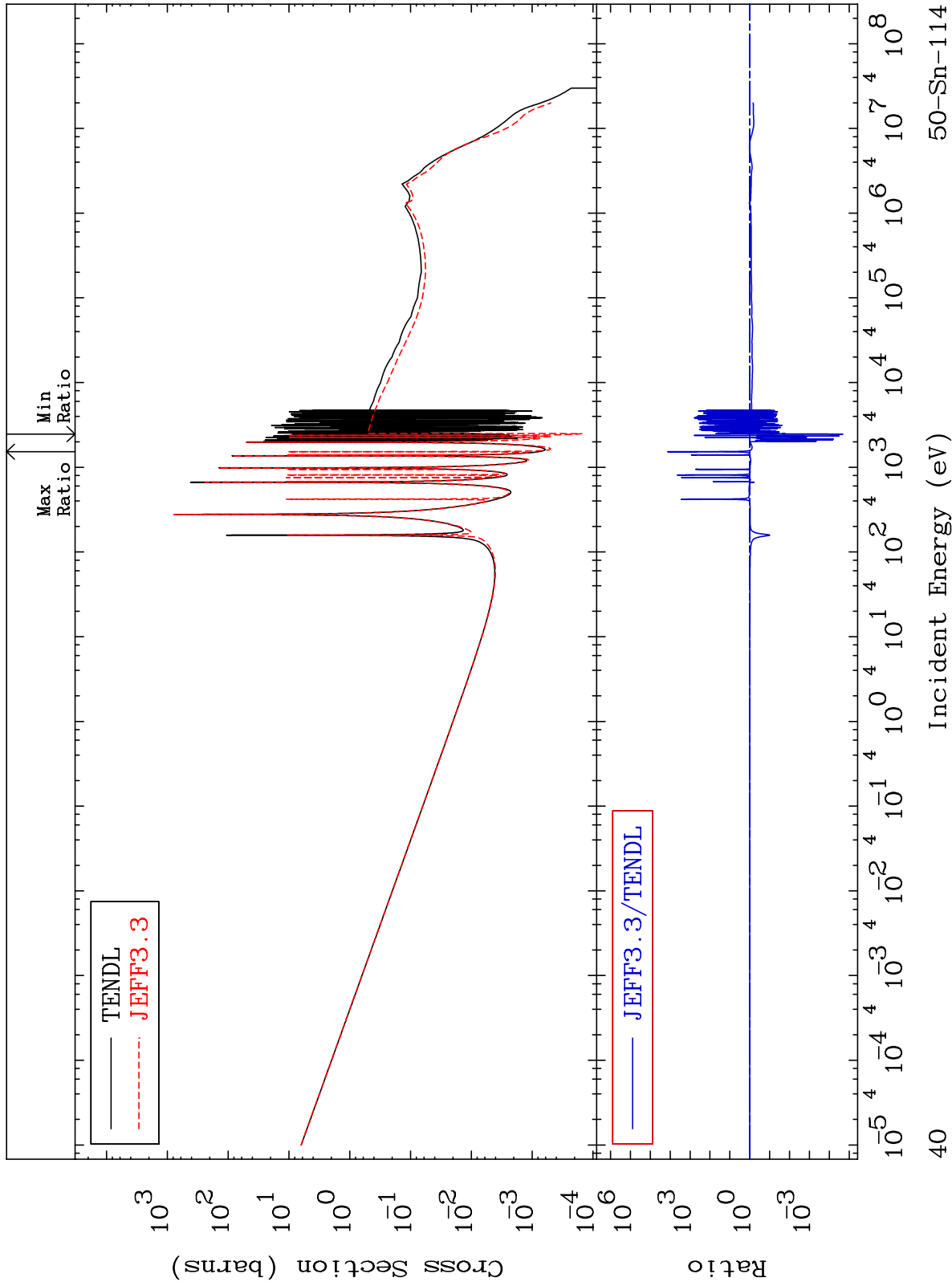
50-Sn-114



MAT 5031

(n,  $\gamma$ )  
Cross Section

50-Sn-114  
-100.0 To 9999. %



50-Sn-114

40

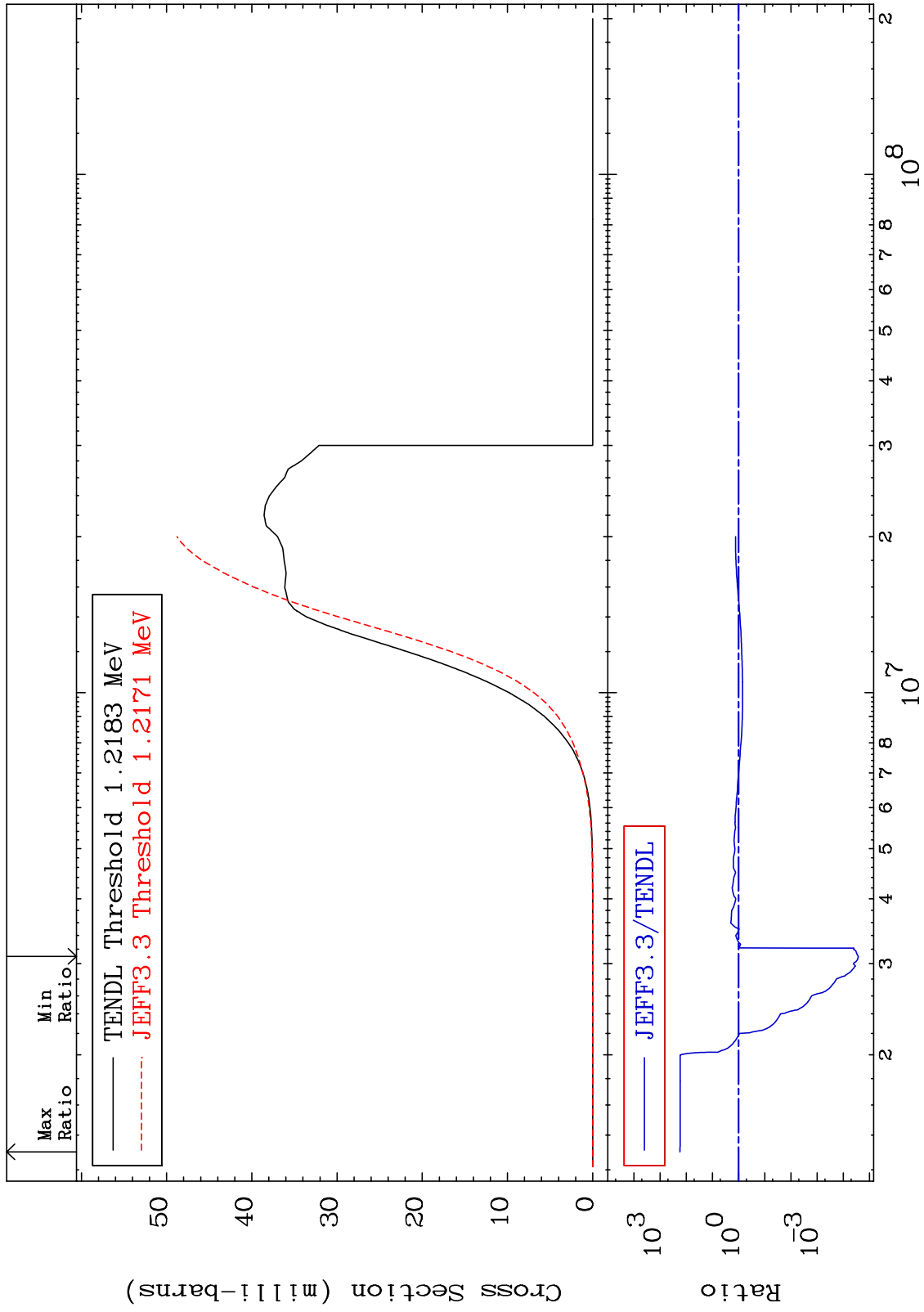
MAT 5031

(n,p)

50-Sn-114

Cross Section

-100.0 To 9999. %



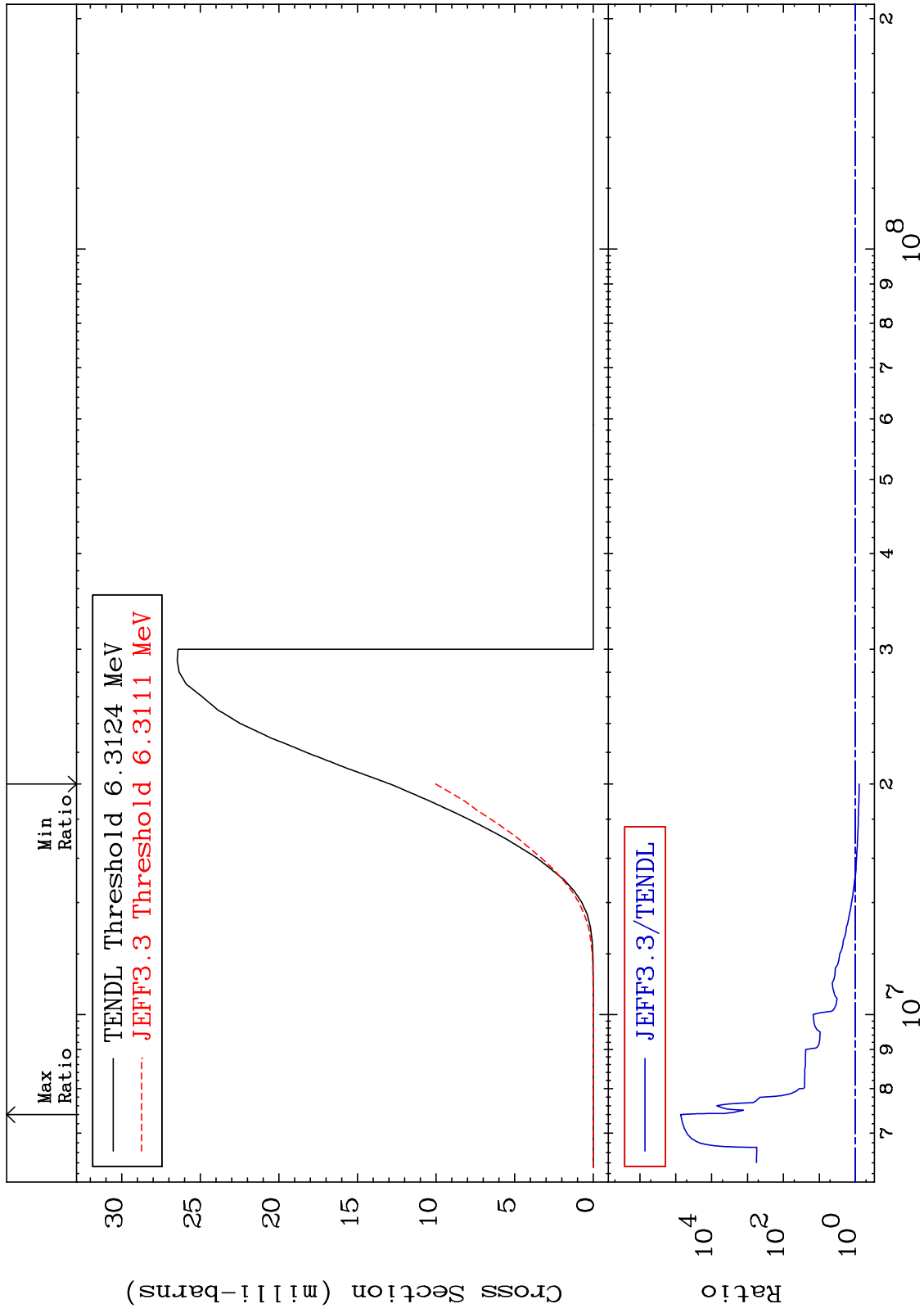
MAT 5031

(n, d)

50-Sn-114

Cross Section

-22.45 To 9999. %



50-Sn-114

Incident Energy (eV)

42

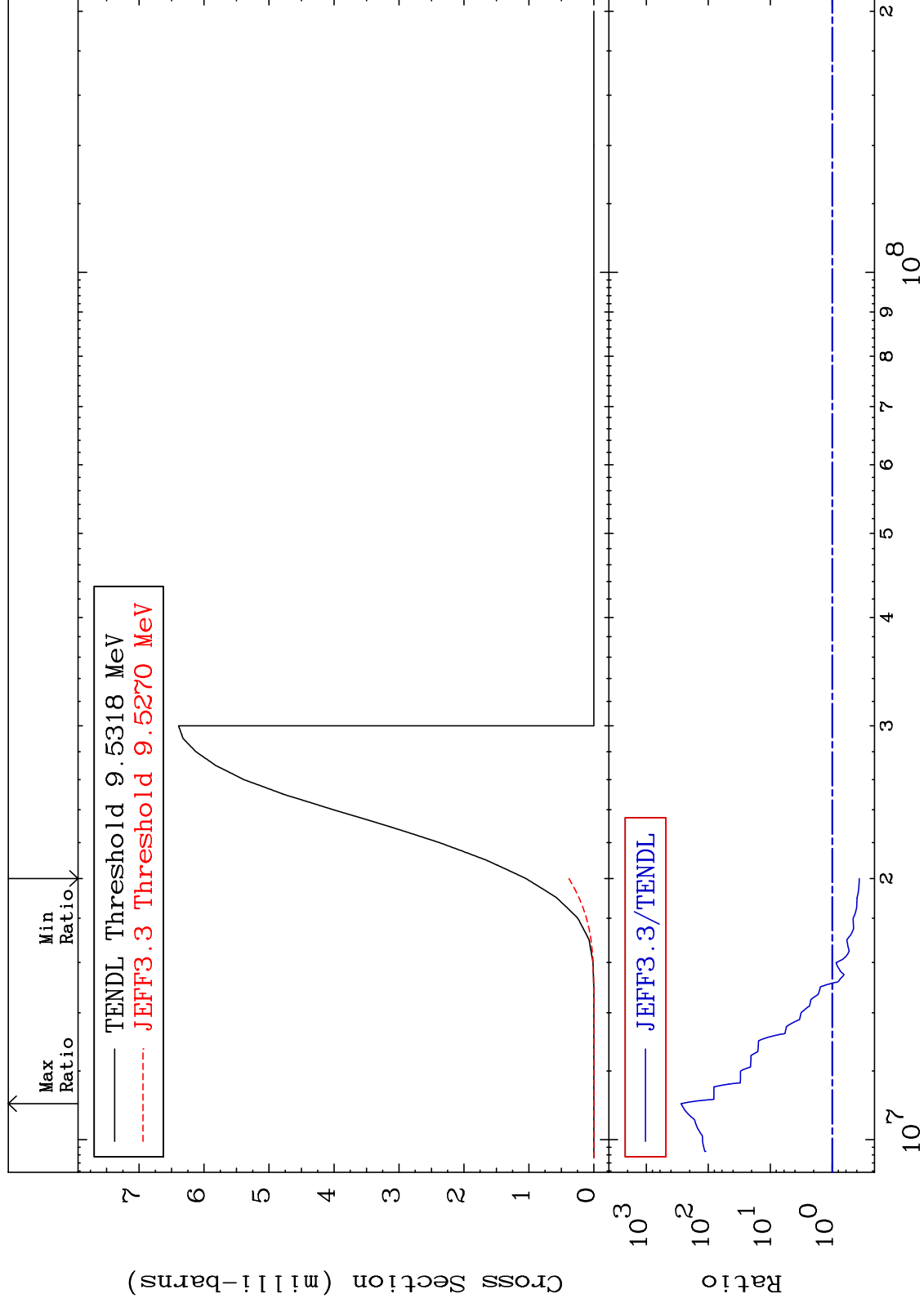
MAT 5031

(n, t)

50-Sn-114

Cross Section

-63.38 To 9999. %



50-Sn-114

Incident Energy (eV)

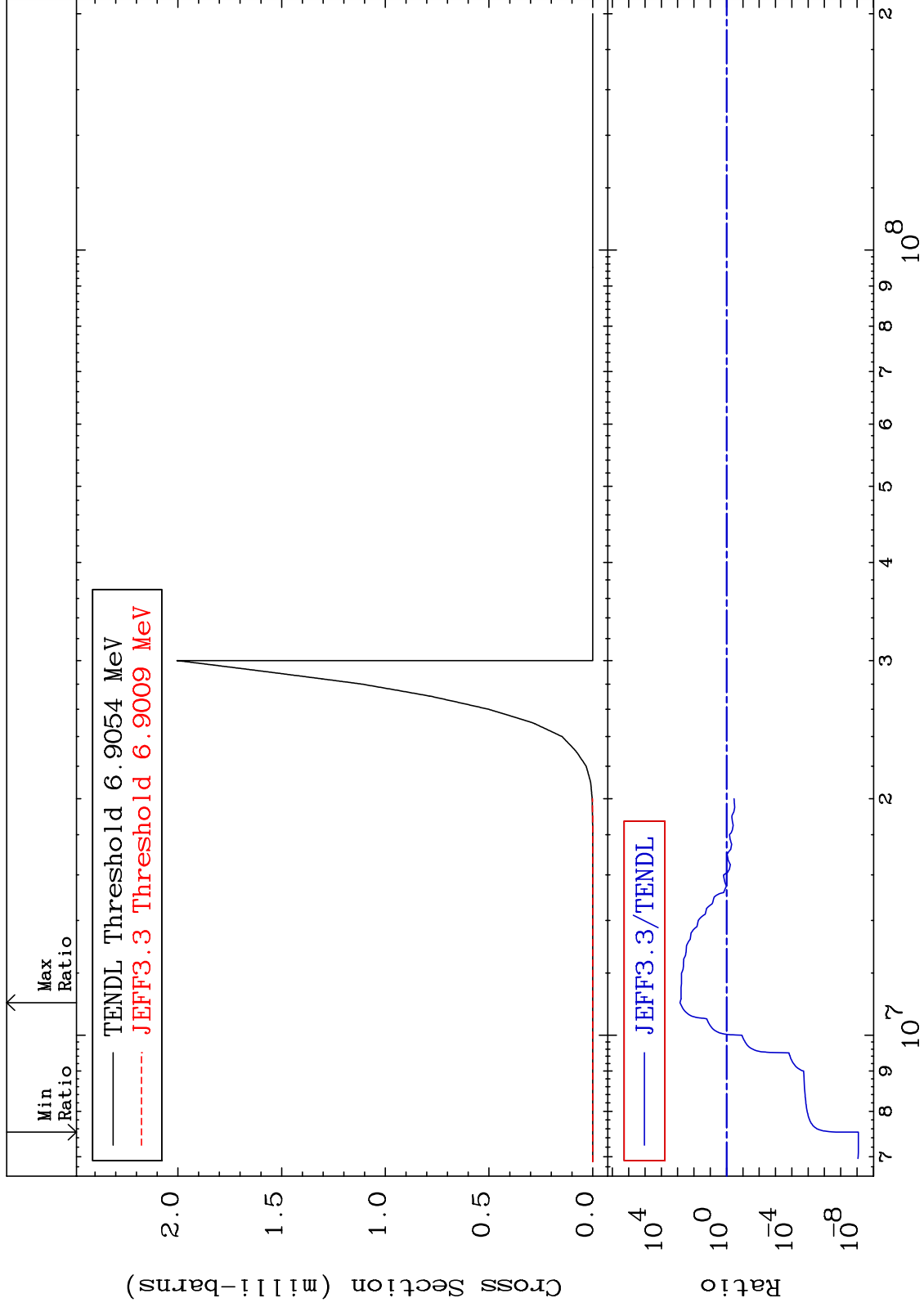
MAT 5031

(n, He-3)

50-Sn-114

Cross Section

-100.0 To 9999. %



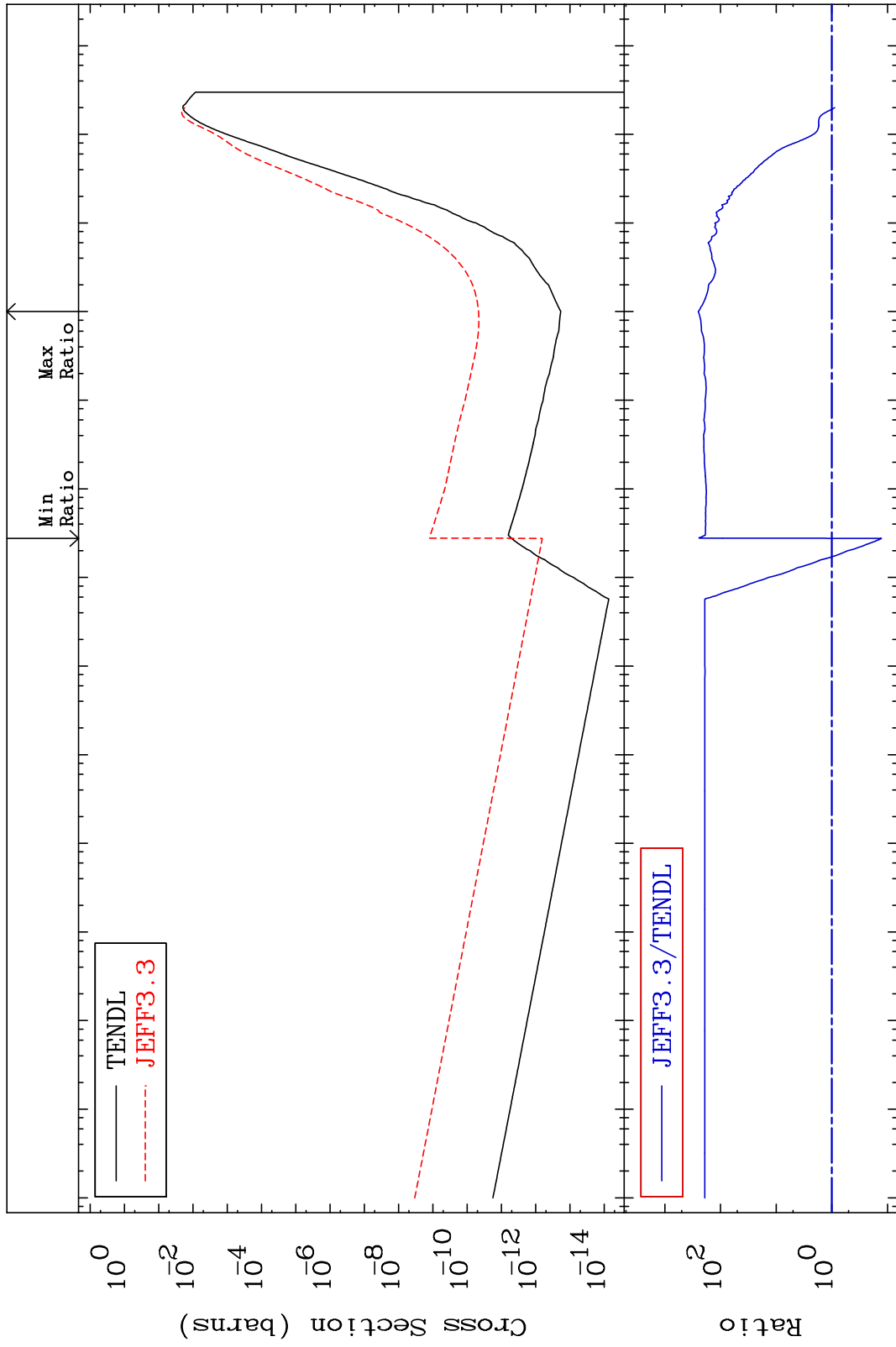
MAT 5031

(n,  $\alpha$ )

50-Sn-114

Cross Section

-87.22 To 9999. %



45

Incident Energy (eV)

50-Sn-114

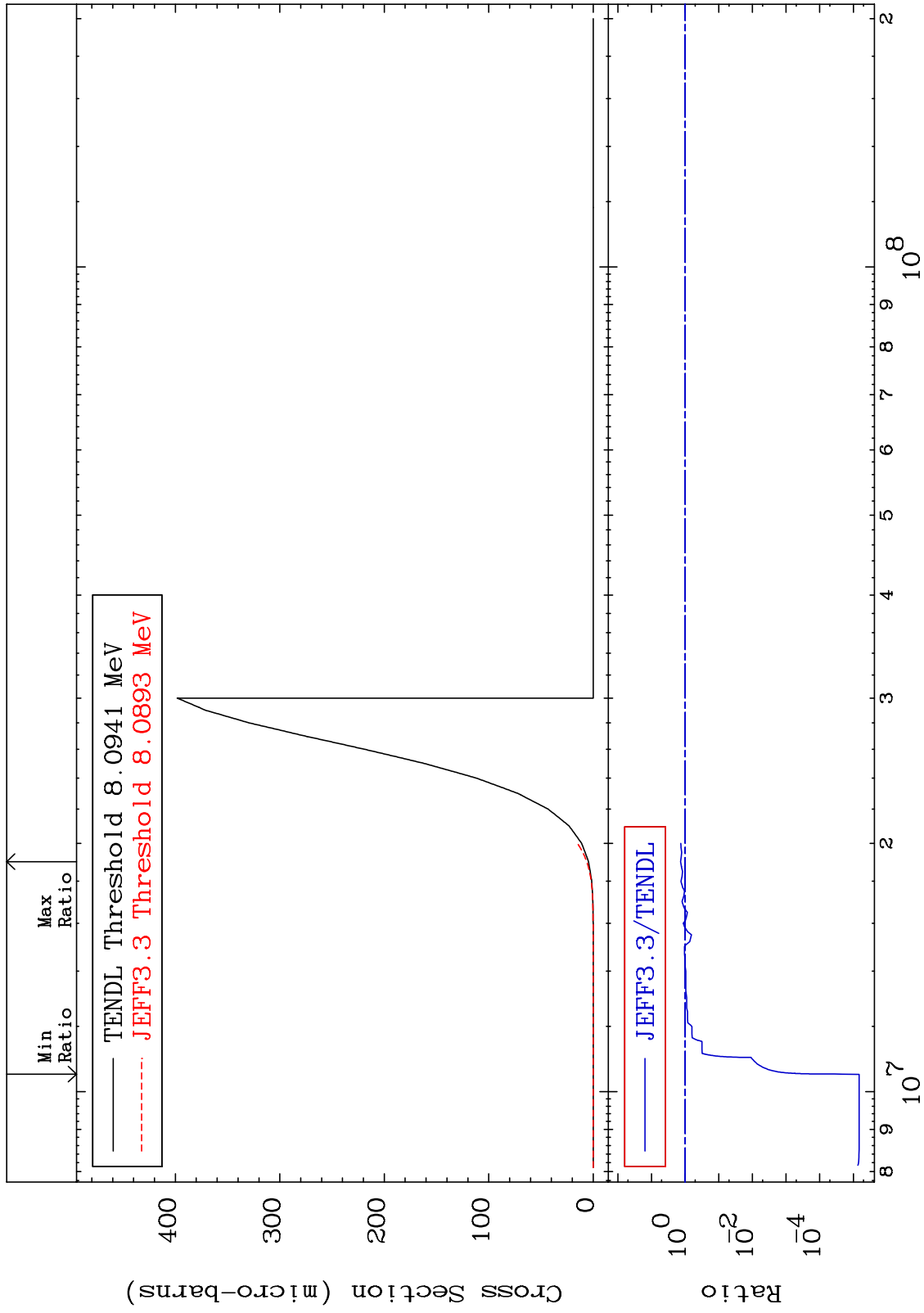
MAT 5031

(n,2p)

50-Sn-114

Cross Section

-100.0 To 36.26 %



50-Sn-114

Incident Energy (eV)

46

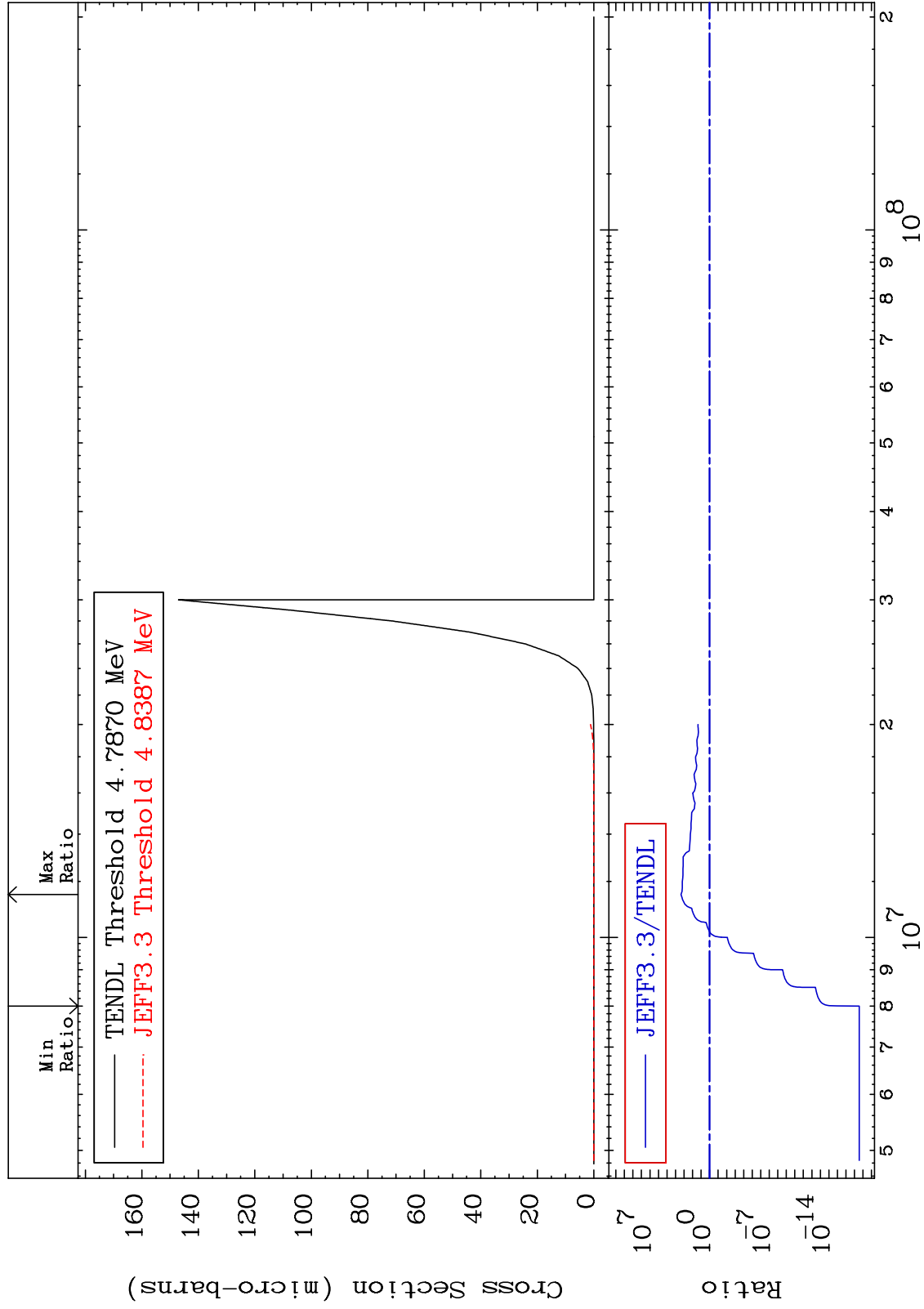
MAT 5031

(n,p)  $\alpha$

50-Sn-114

Cross Section

-100.0 To 9999. %

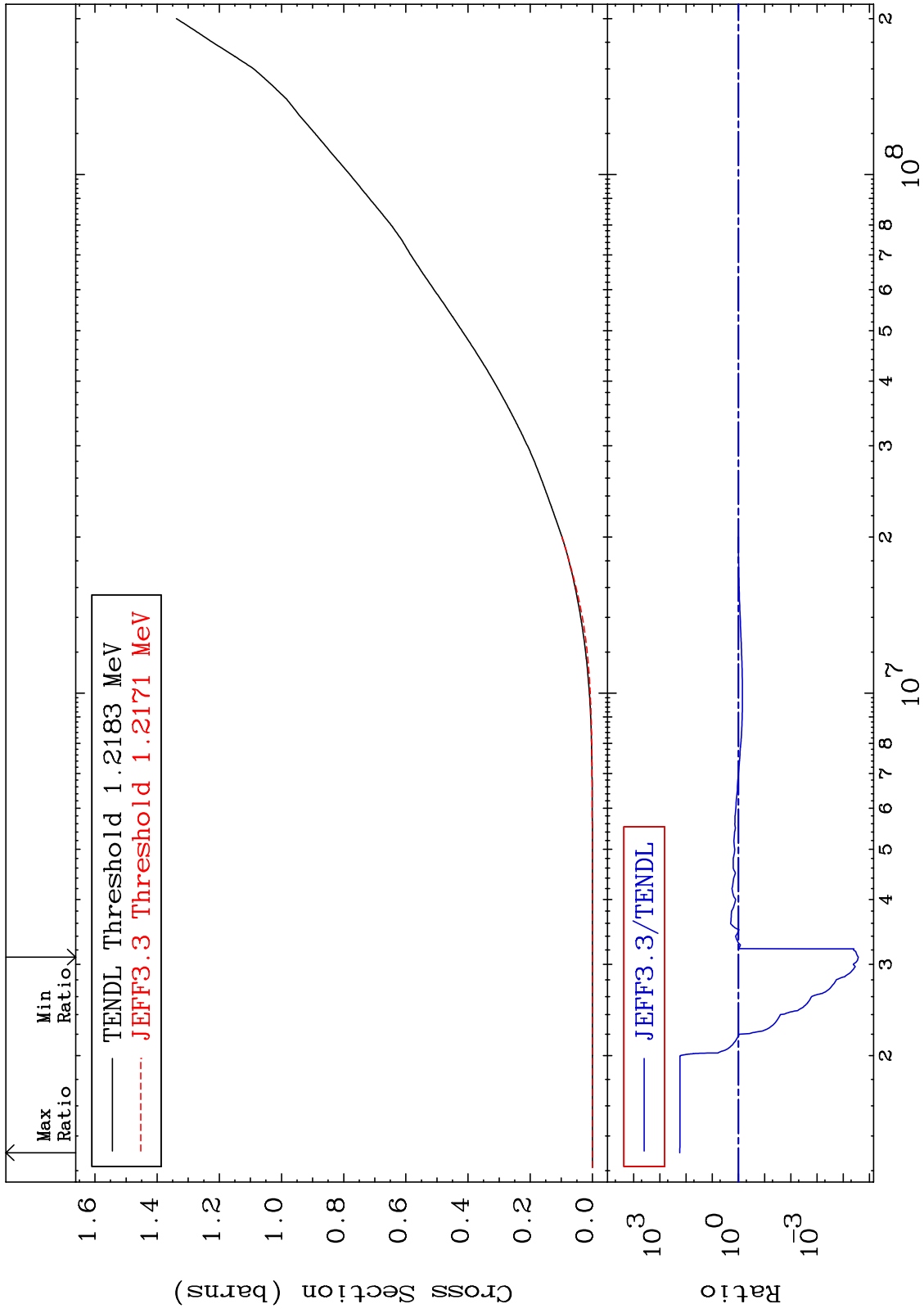




MAT 5031

Hydrogen Production  
Cross Section

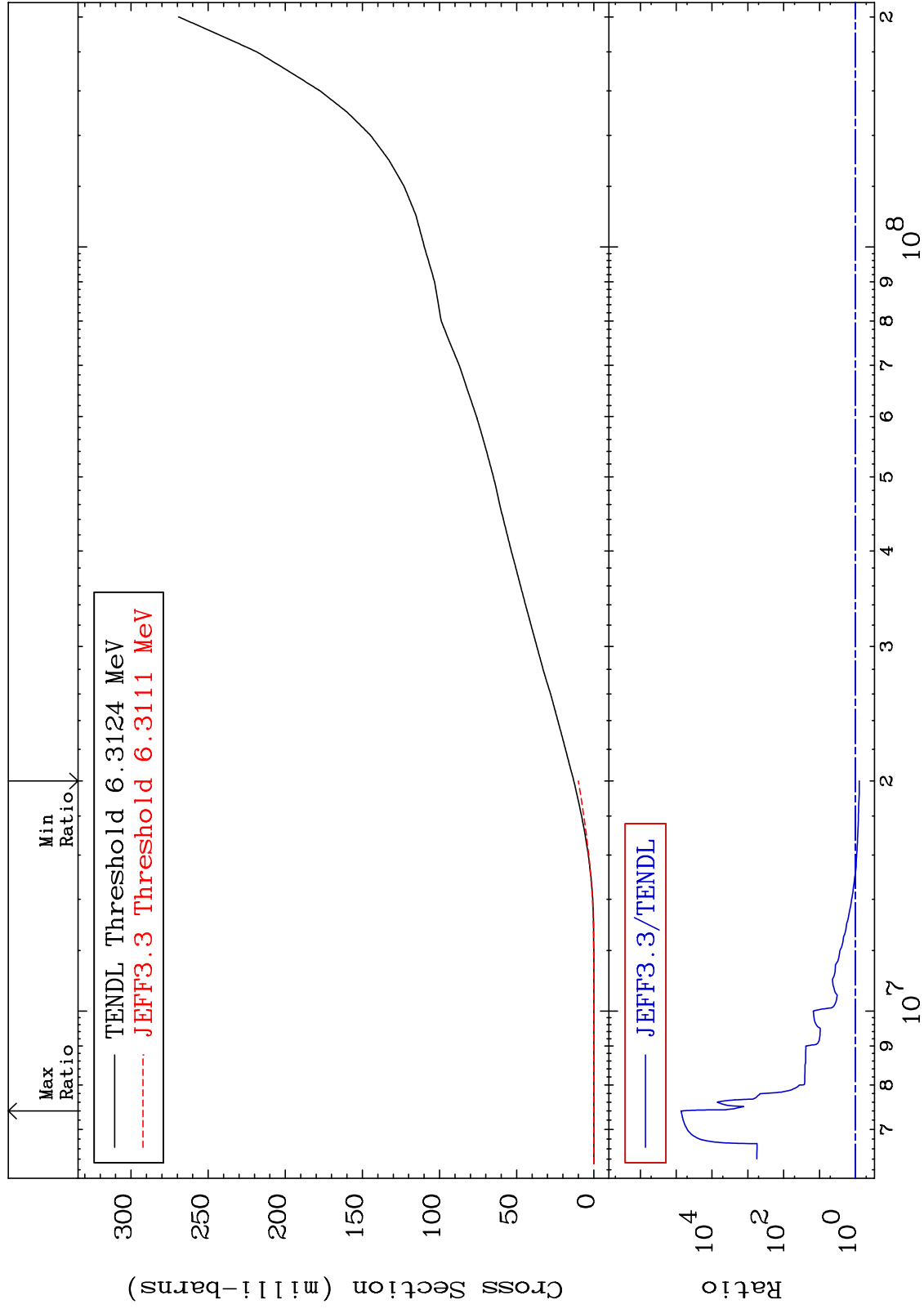
50-Sn-114  
-100.0 To 9999. %



MAT 5031

Deuterium Production  
Cross Section

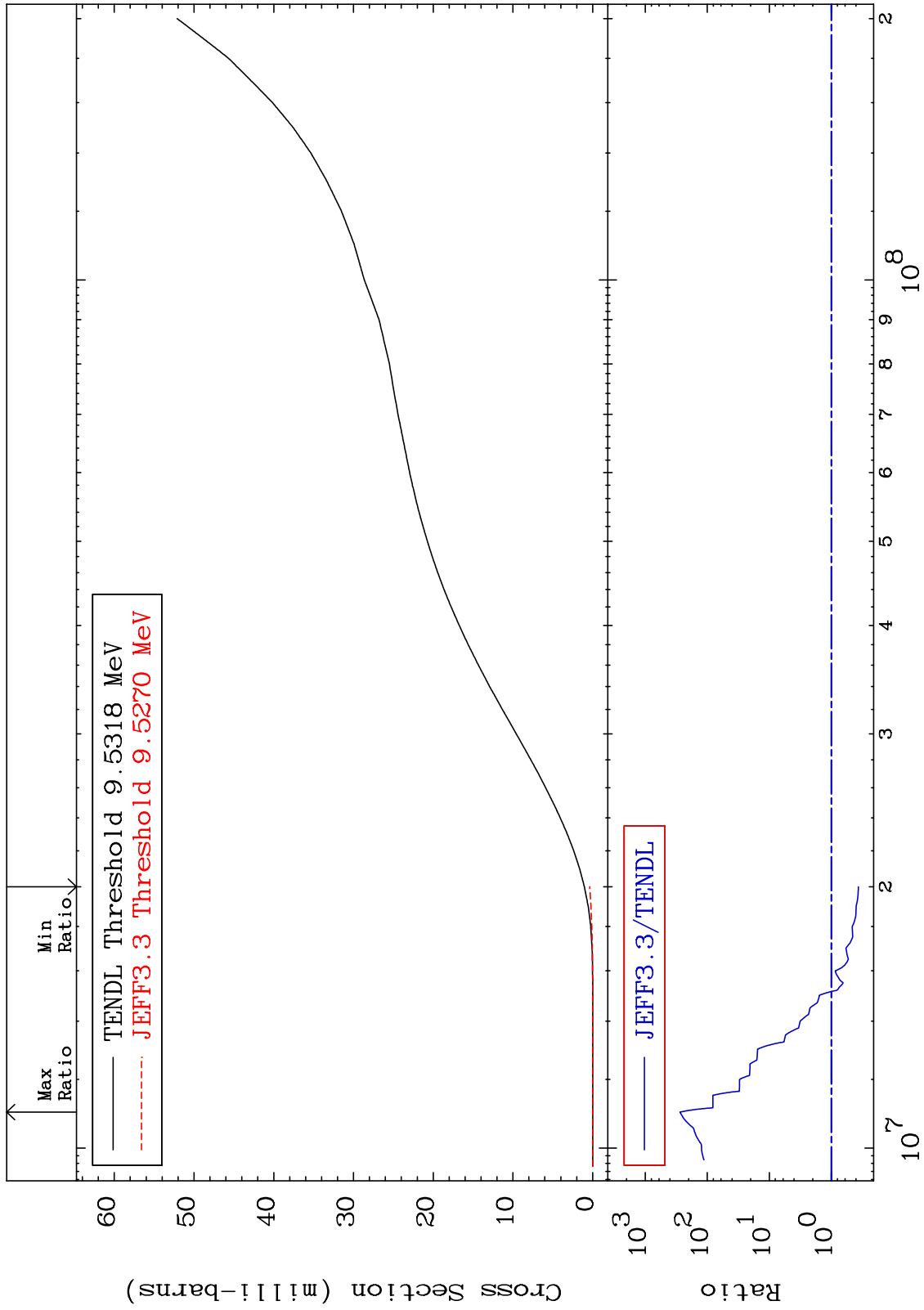
50-Sn-114  
-22.44 To 9999. %



MAT 5031

Tritium Production  
Cross Section

50-Sn-114  
-63.38 To 9999. %



50-Sn-114

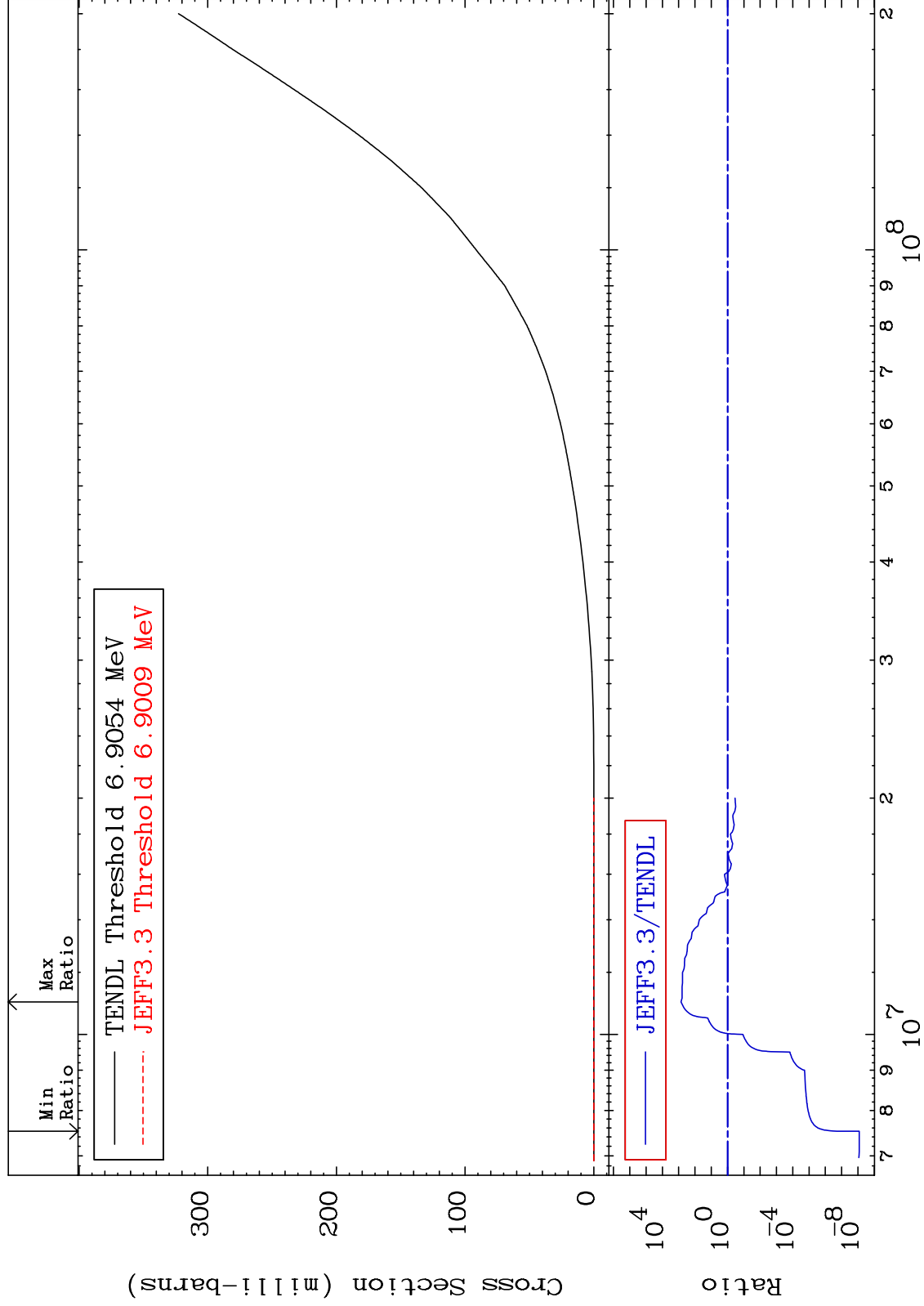
Incident Energy (eV)

50

MAT 5031

He-3 Production  
Cross Section

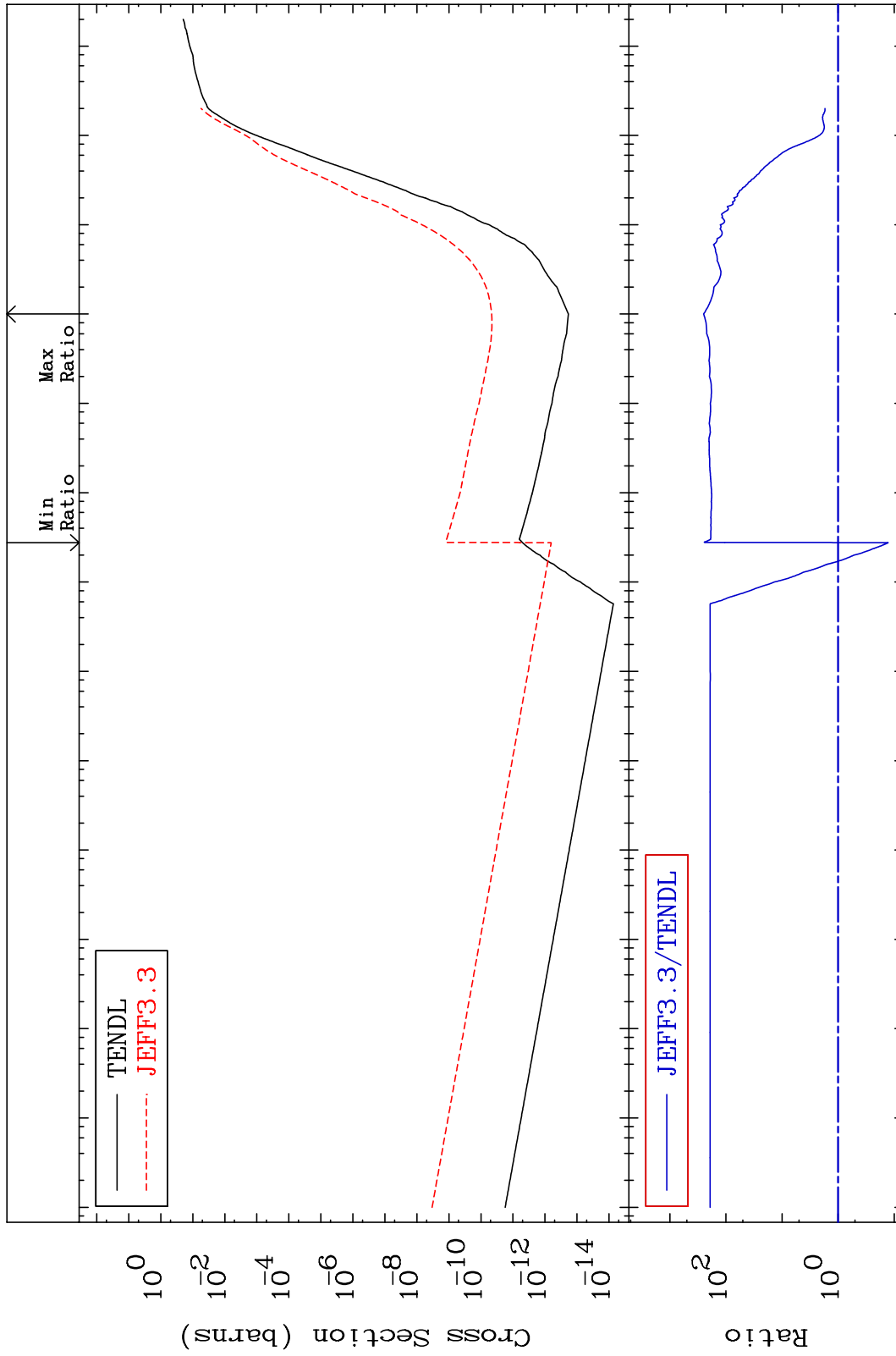
50-Sn-114  
-100.0 To 9999. %



MAT 5031

He-4 Production  
Cross Section

50-Sn-114  
-87.22 To 9999. %



52

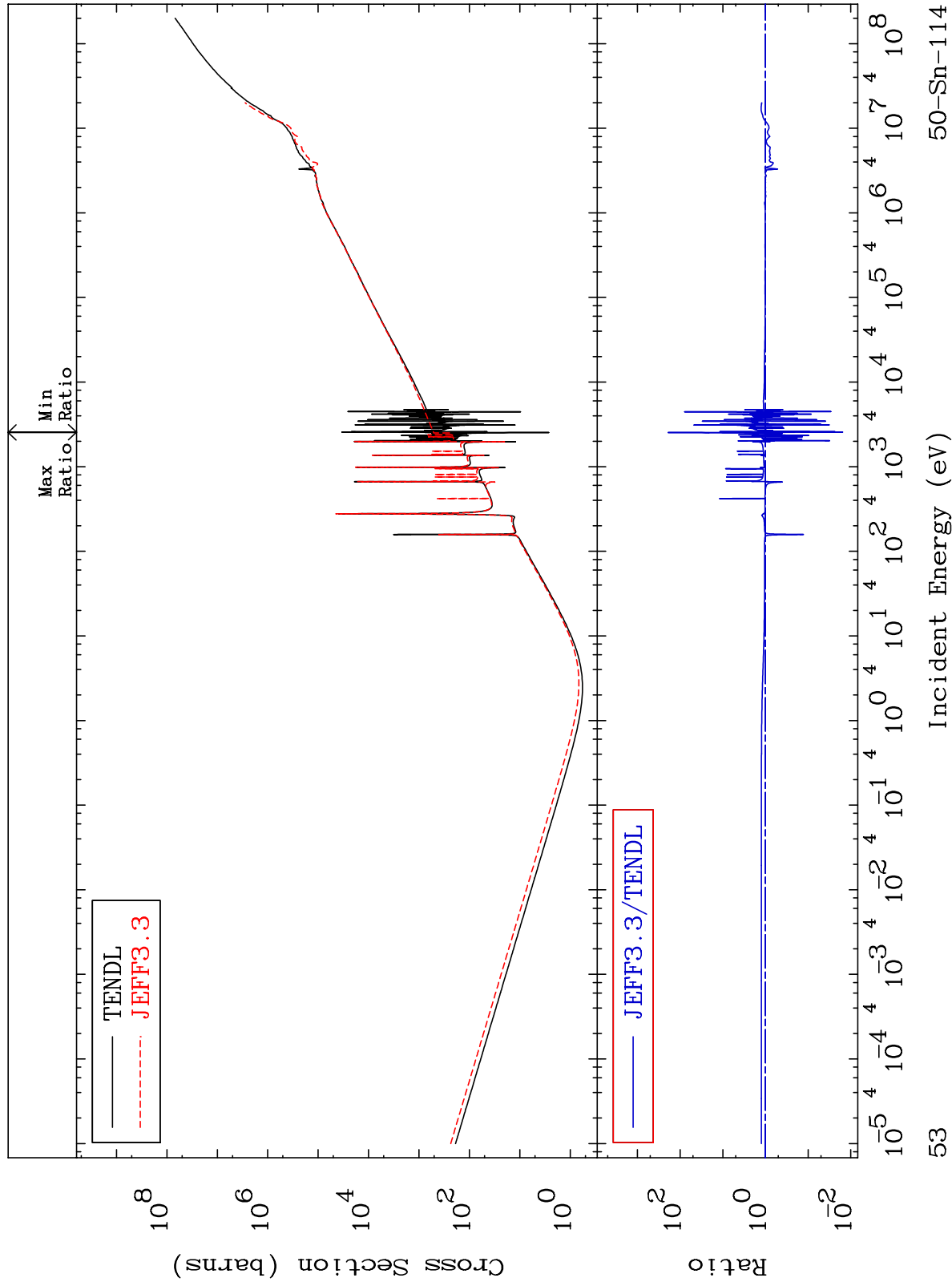
Incident Energy (eV)

50-Sn-114

MAT 5031

Kerma total (eV-barns)  
Cross Section

50-Sn-114  
-98.46 To 9999. %



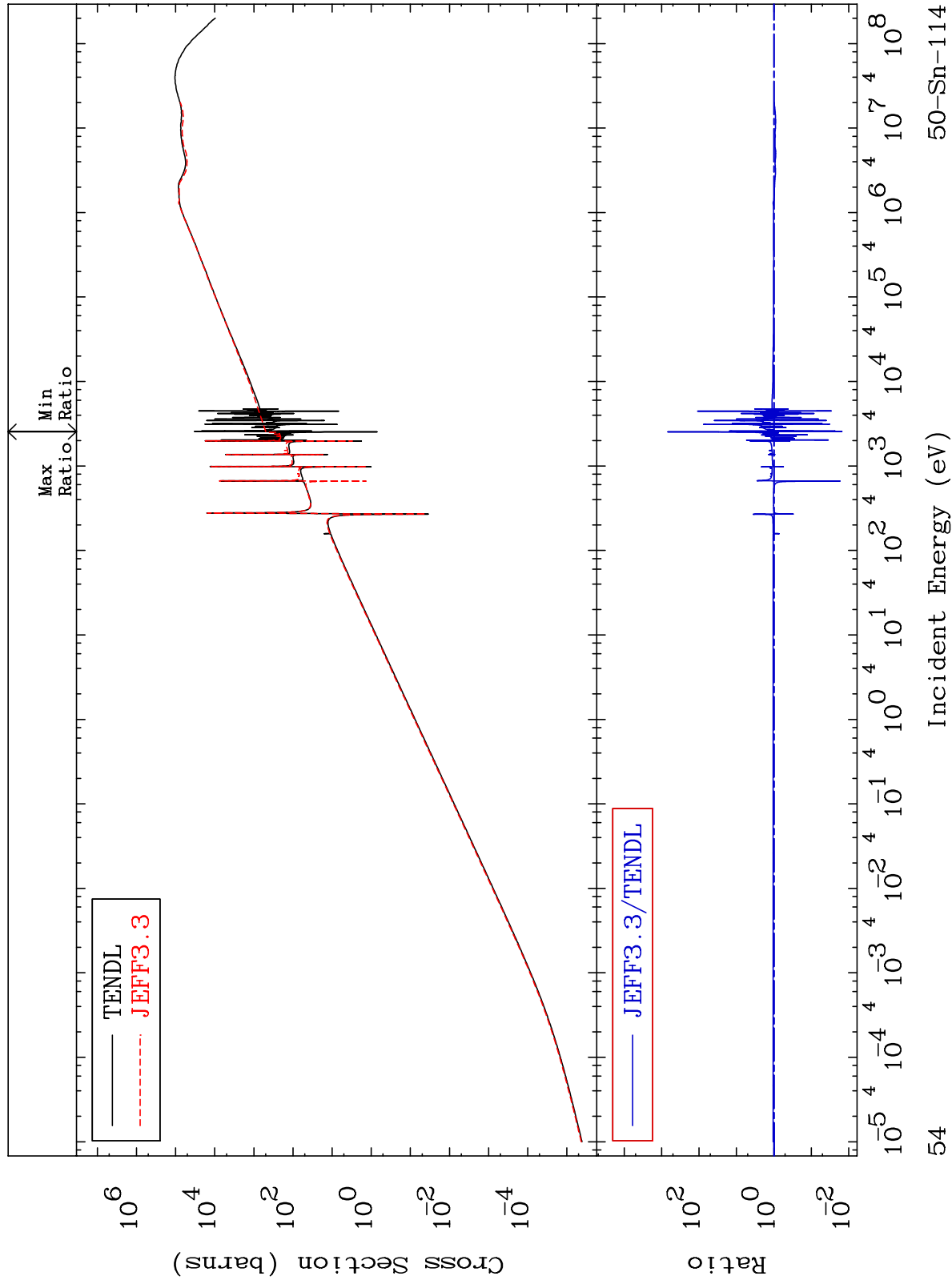
53

50-Sn-114

MAT 5031

Kerma elastic  
Cross Section

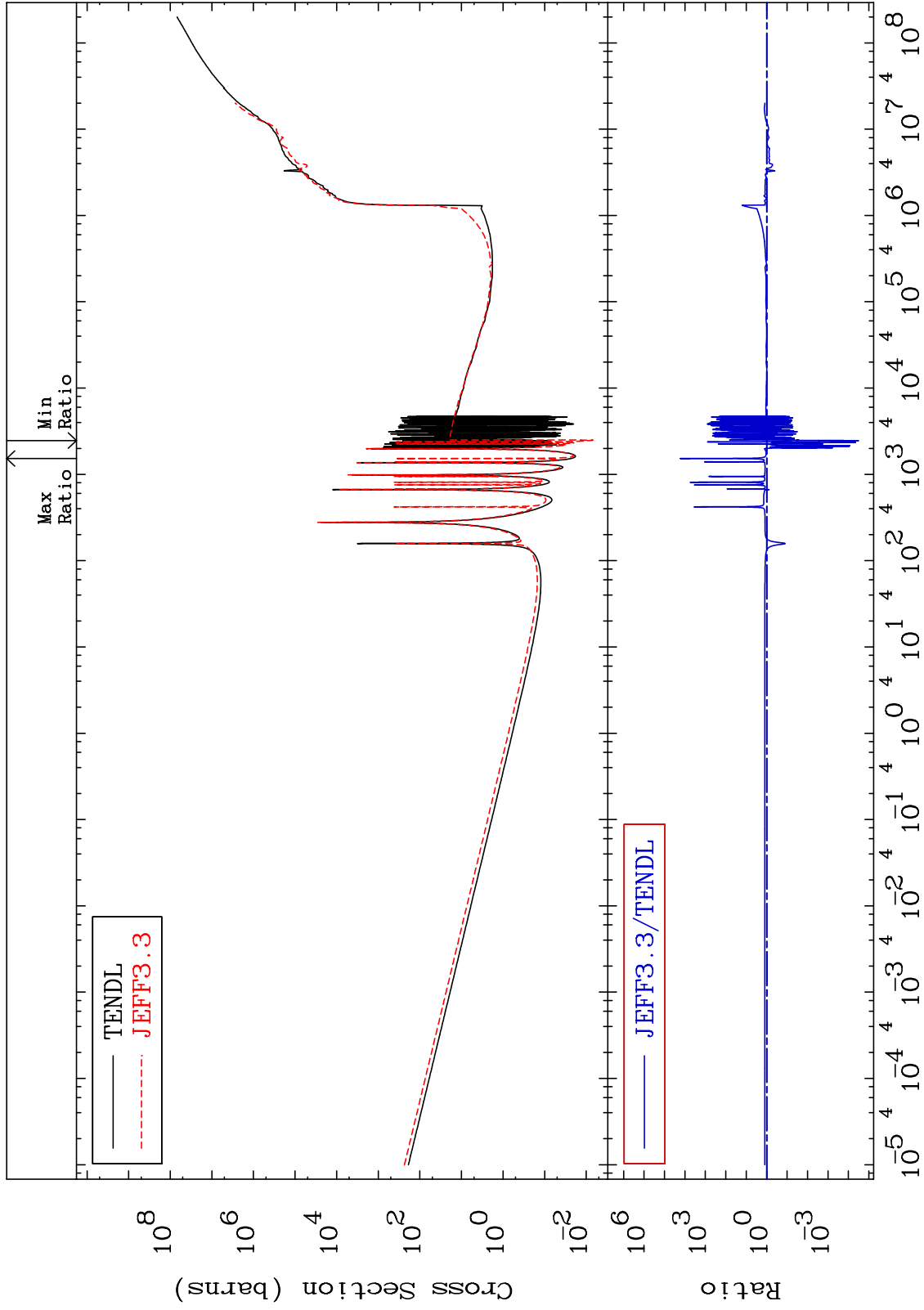
50-Sn-114  
-98.51 To 9999. %



MAT 5031

Kerma non-elastic (all but mt2)  
Cross Section

50-Sn-114  
-100.0 To 9999. %

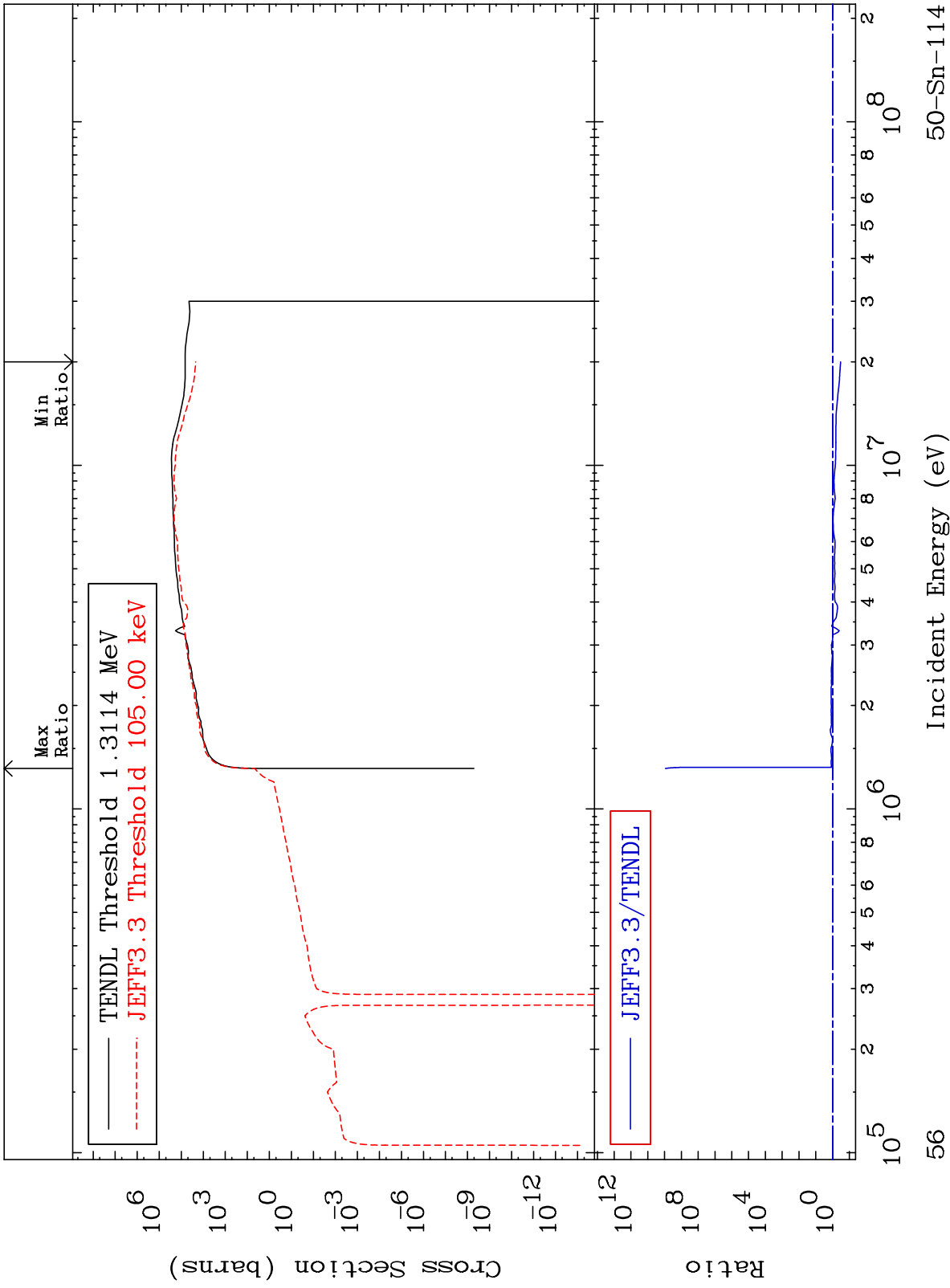




MAT 5031

Kerma inelastic (mt51-91)  
Cross Section

50-Sn-114  
-66.79 To 9999. %



56

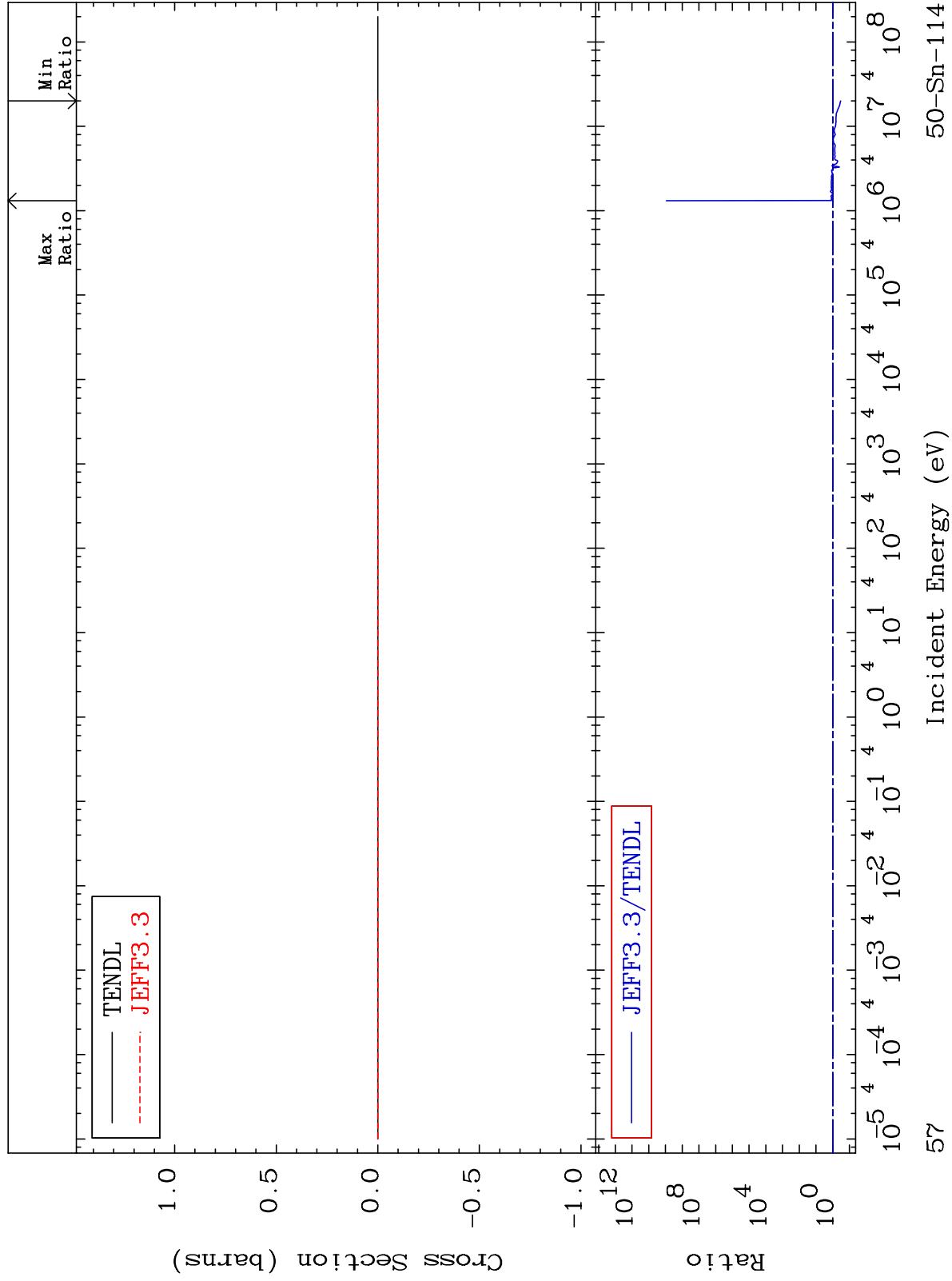
Incident Energy (eV)

50-Sn-114

MAT 5031

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

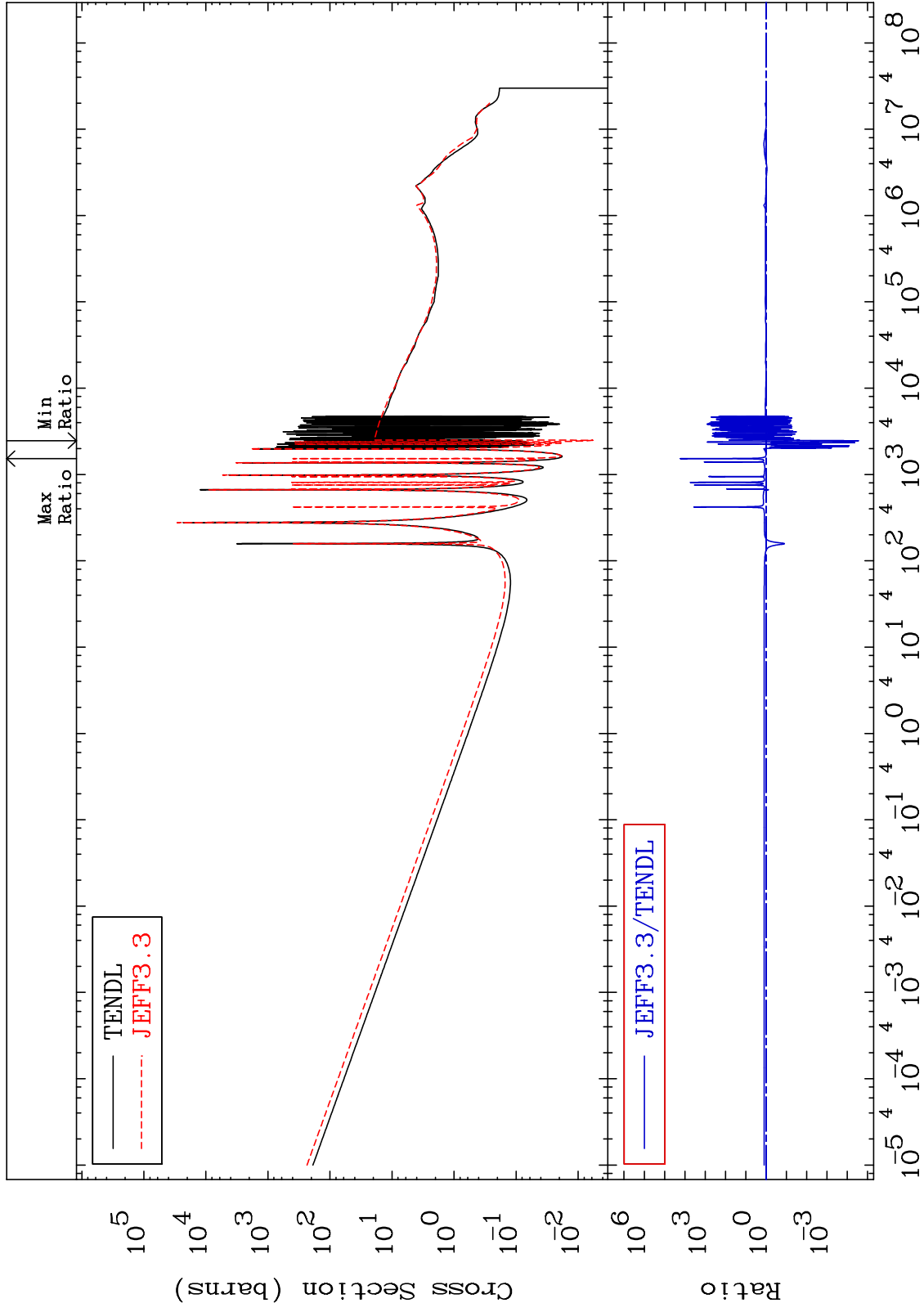
50-Sn-114  
-66.79 To 9999. %



MAT 5031

Kerma capture (mt102)  
Cross Section

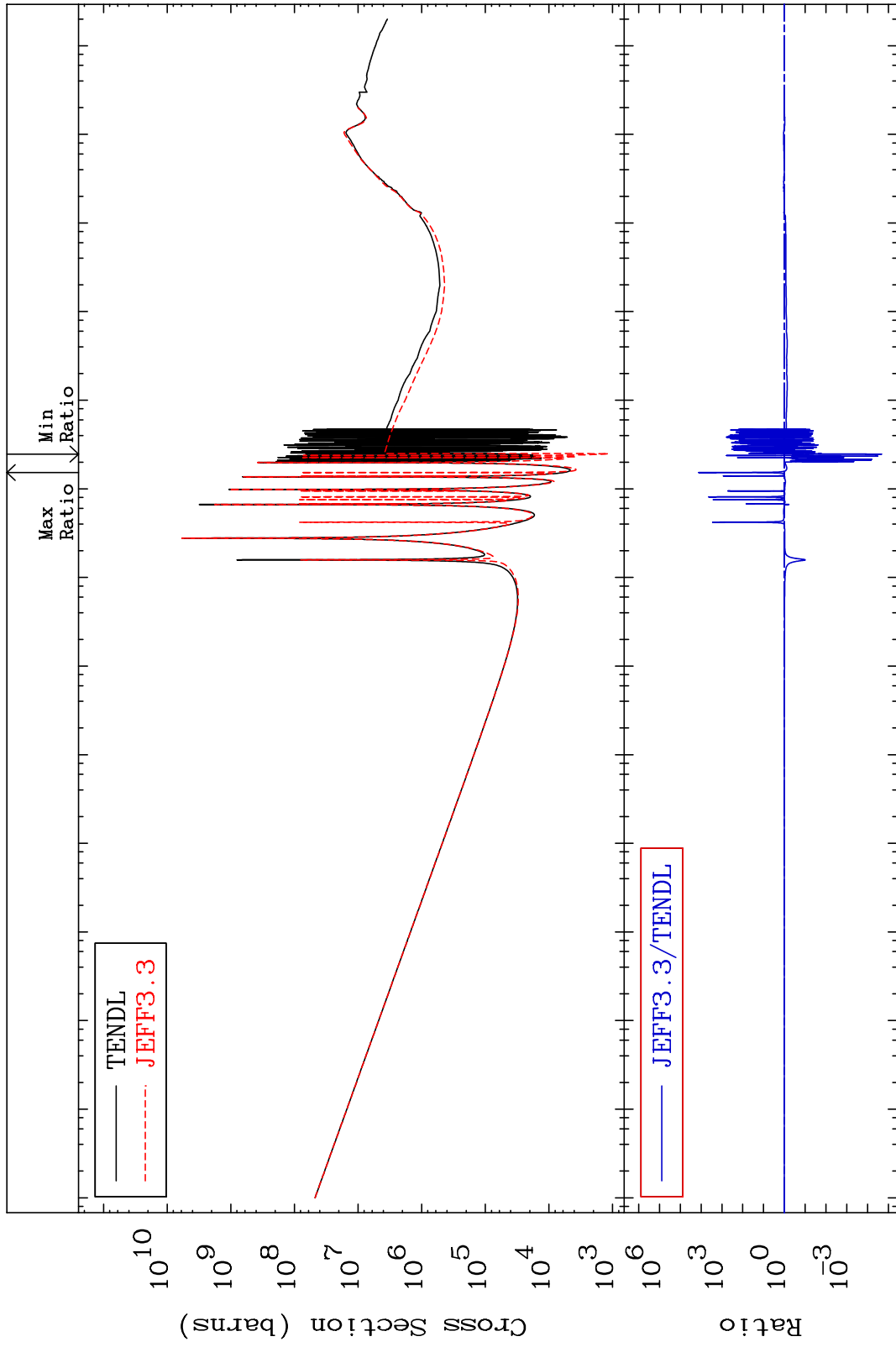
50-Sn-114  
-100.0 To 9999. %



MAT 5031

Total photon (eV-barns)  
Cross Section

50-Sn-114  
-100.0 To 9999. %



59

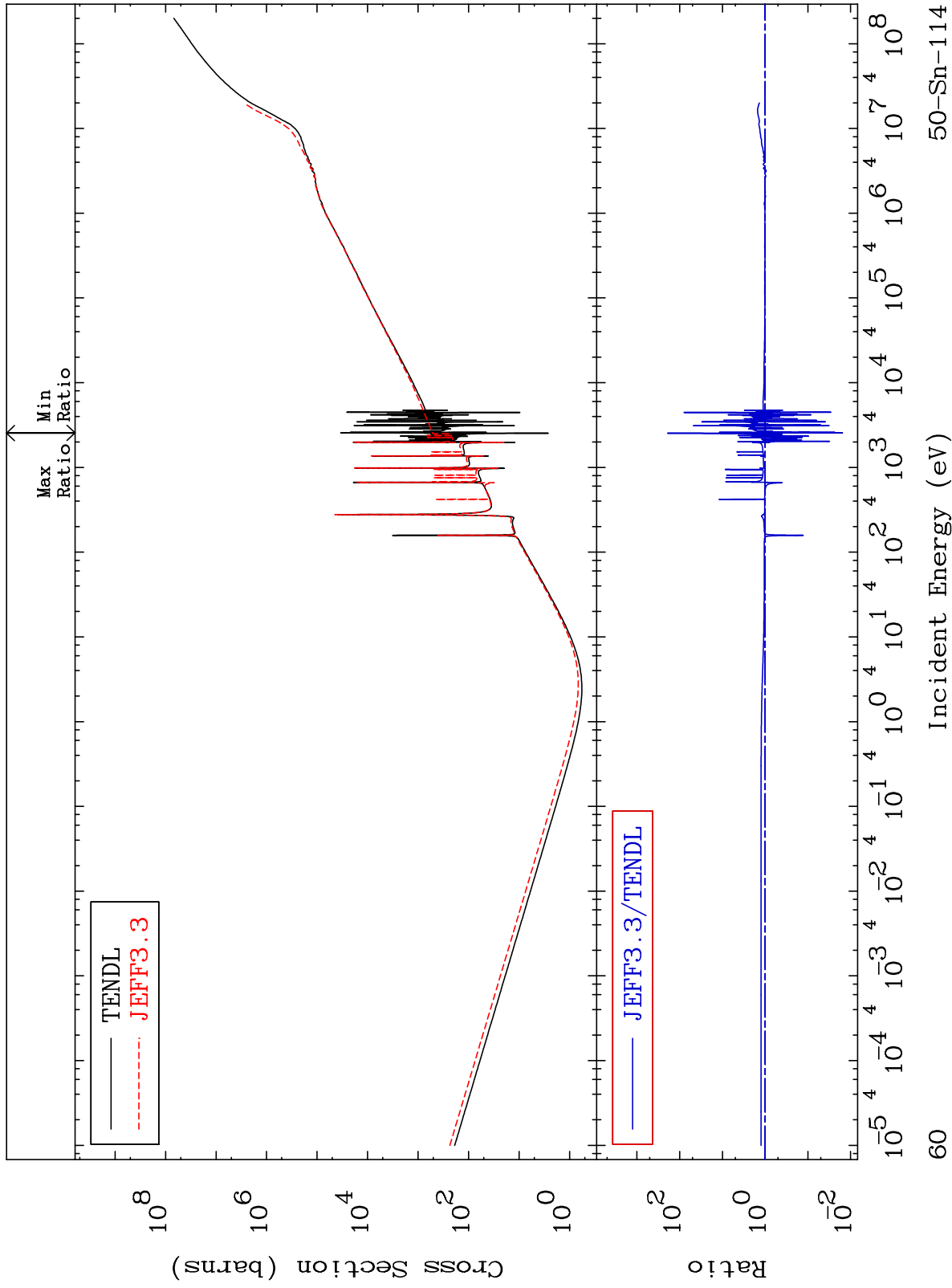
Incident Energy (eV)

50-Sn-114

MAT 5031

Total kinematic kerma (high limit)  
Cross Section

50-Sn-114  
-98.46 To 9999. %



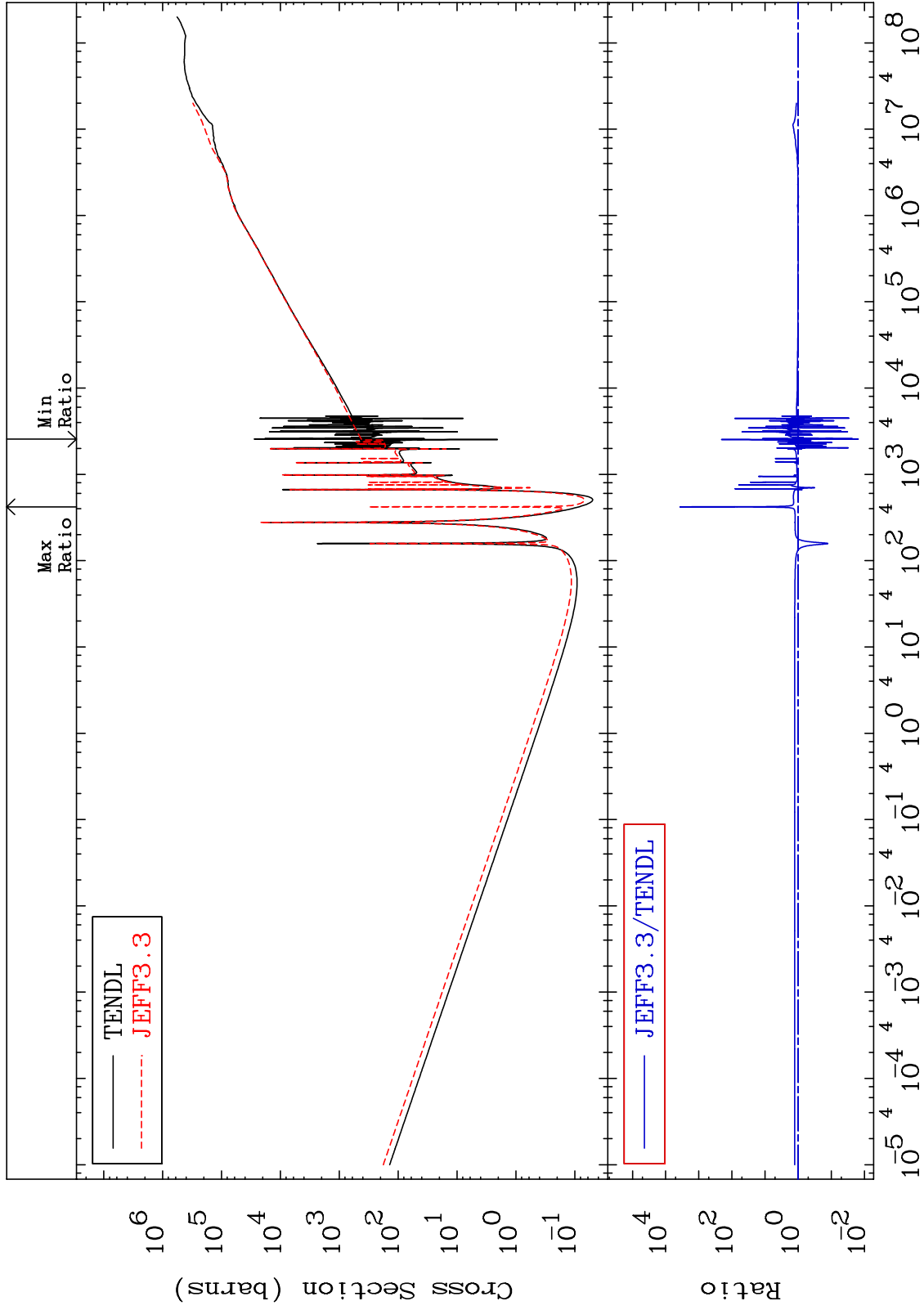
60

50-Sn-114

MAT 5031

Dpa total (eV-barns)  
Cross Section

50-Sn-114  
-98.48 To 9999. %



61

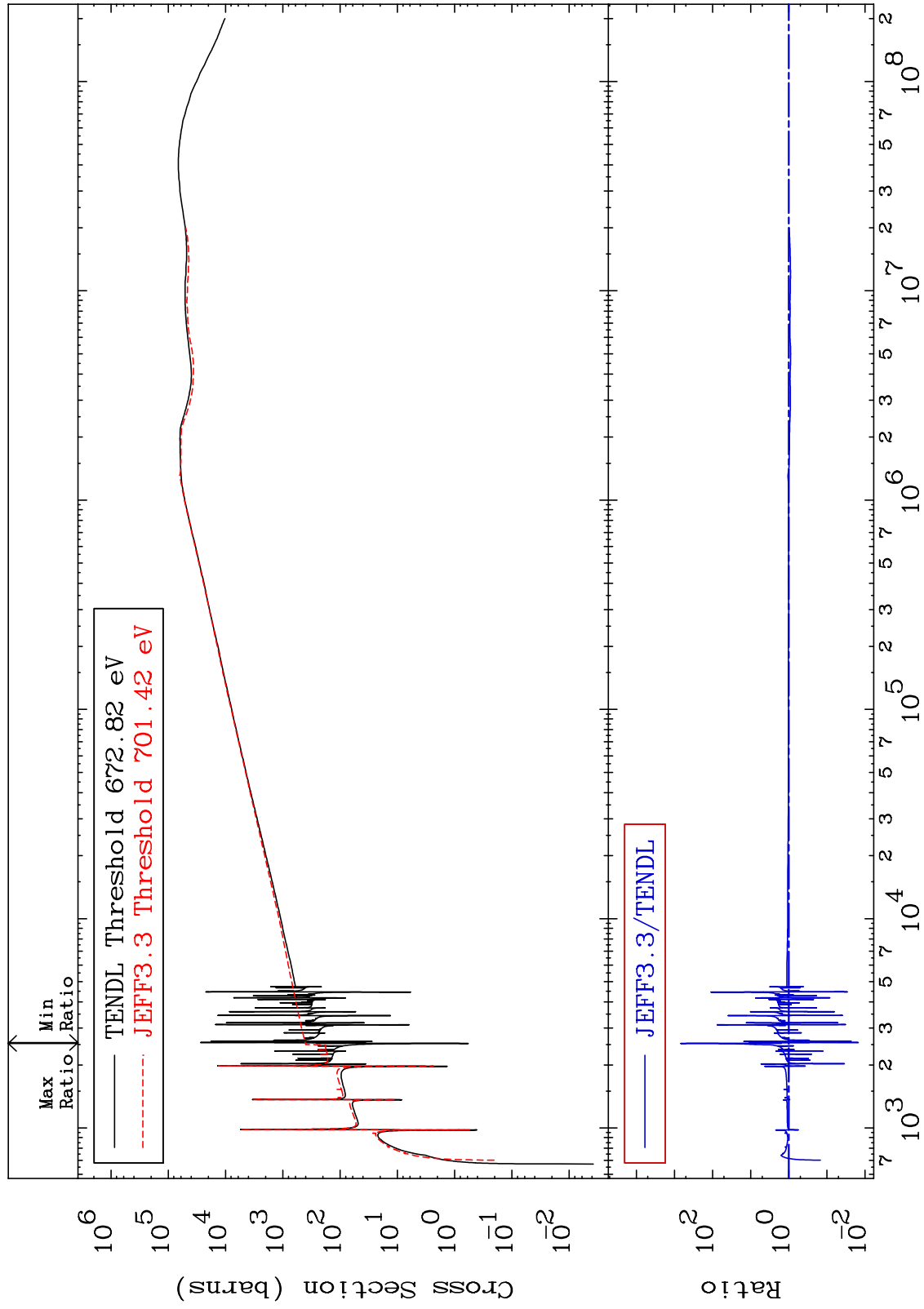
Incident Energy (eV)

50-Sn-114

MAT 5031

Dpa elastic (mt2)  
Cross Section

50-Sn-114  
-98.52 To 9999. %



62

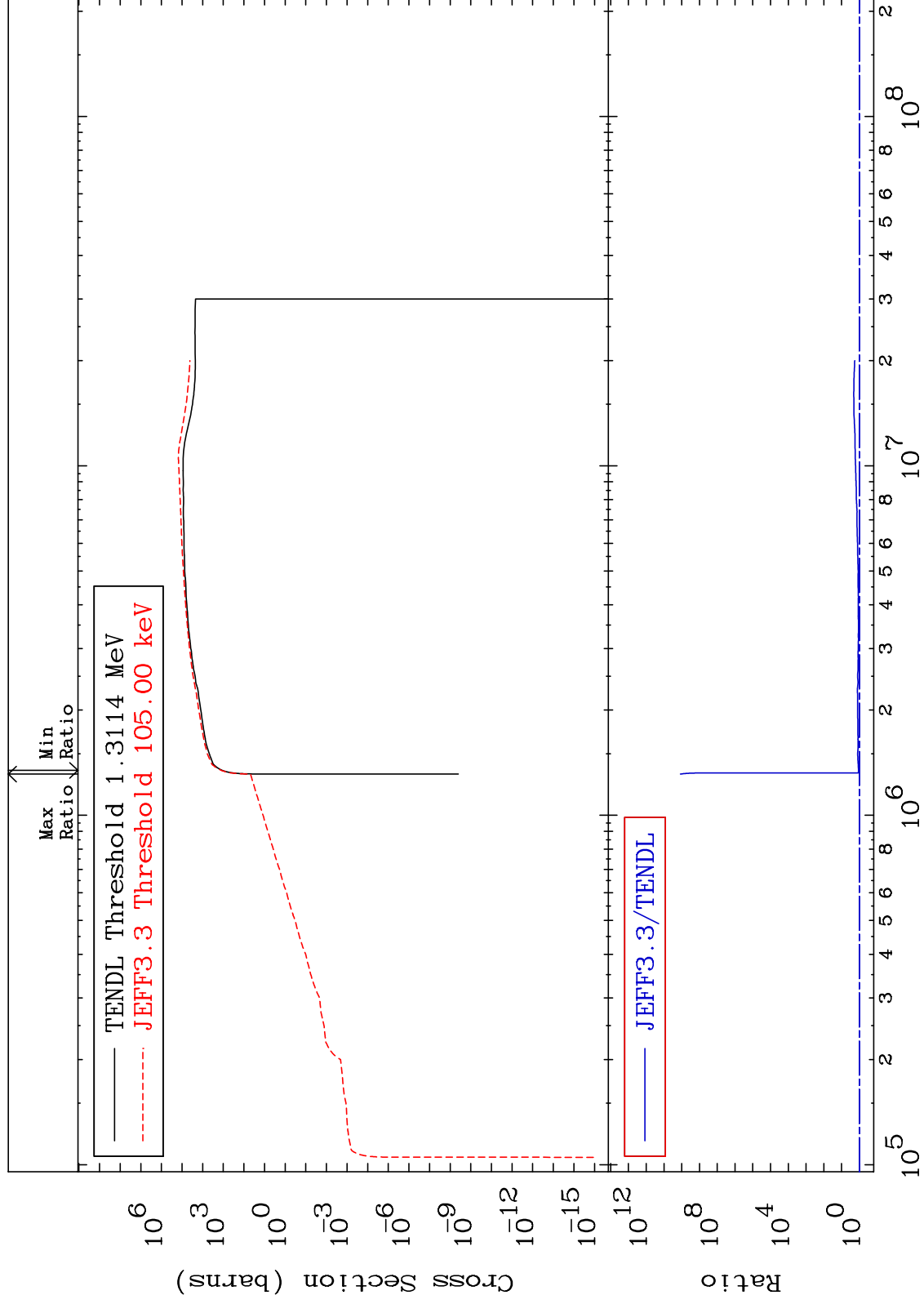
Incident Energy (eV)

50-Sn-114

MAT 5031

Dpa inelastic (mt51-91)  
Cross Section

50-Sn-114  
10.99 To 9999. %



Incident Energy (eV)

50-Sn-114

63



MAT 5031

Dpa disappearance (mt102 -120)  
Cross Section

50-Sn-114  
-100.0 To 9999. %

