

Program Complot  
(Version 2021-1)

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

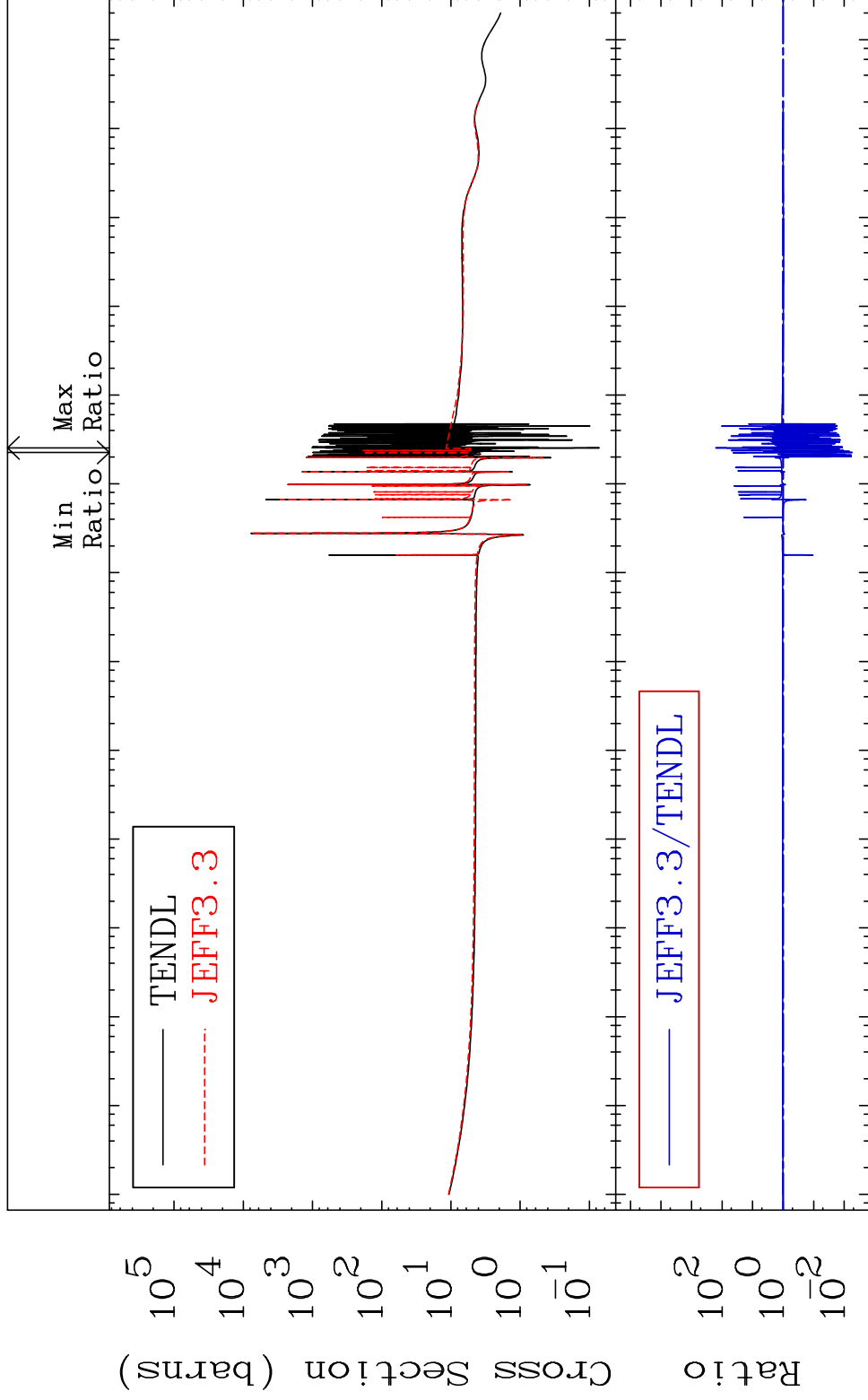
MAT 5031

Total

50-Sn-114

Cross Section

-99.45 To 9999. %



1

Incident Energy (eV)

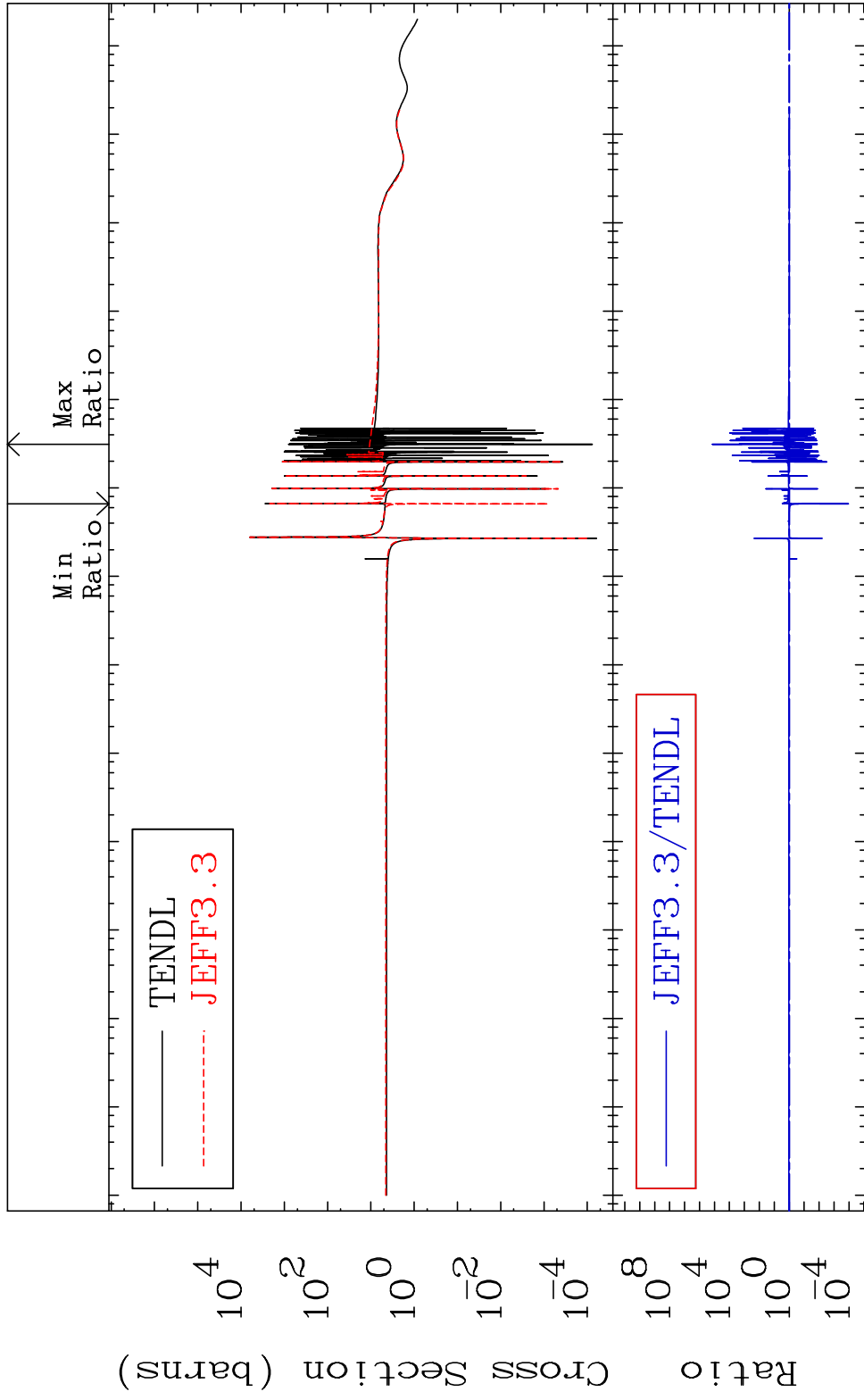
50-Sn-114

MAT 5031

Elastic

50-Sn-114

Cross Section -99.99 To 9999. %



2

Incident Energy (eV)

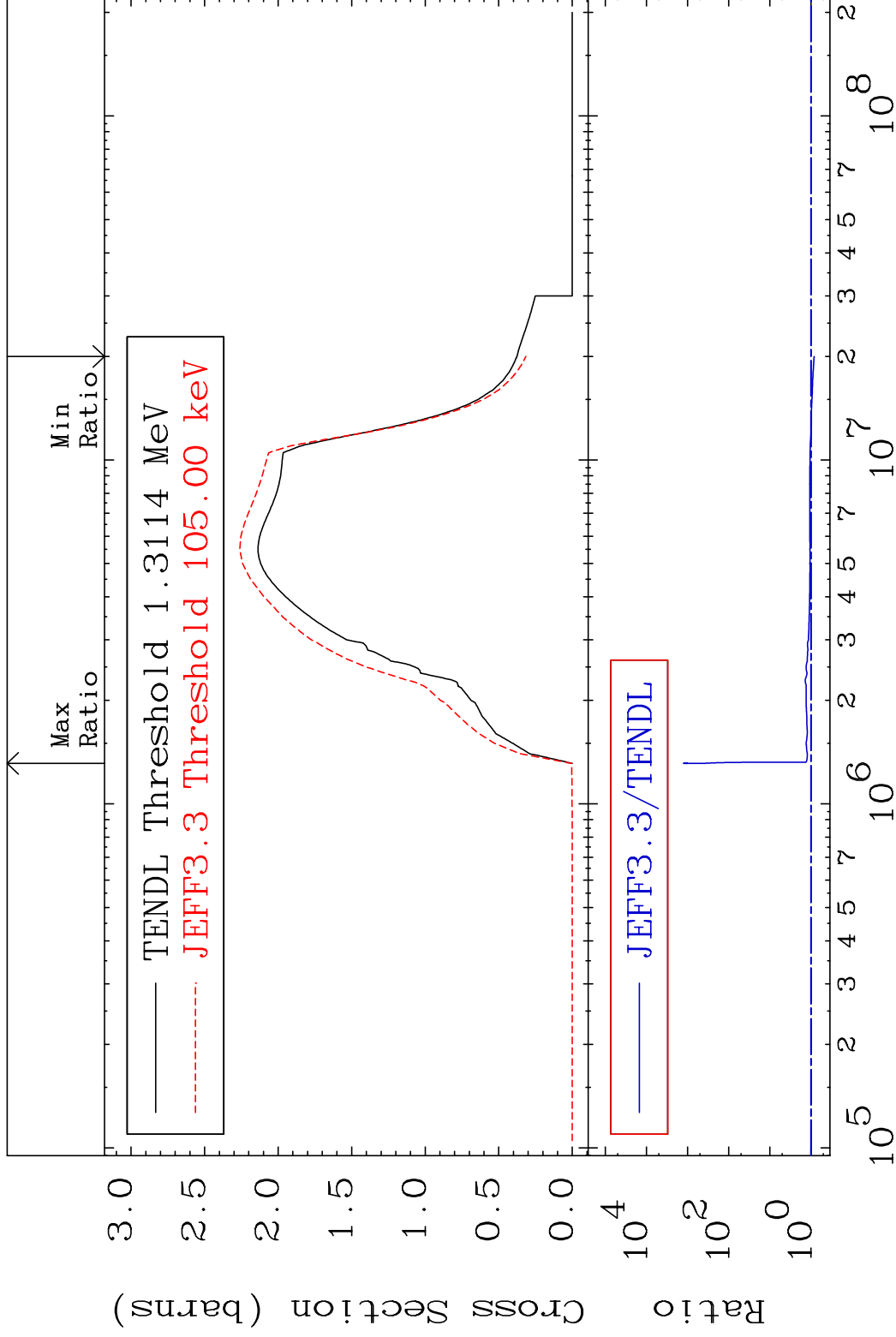
50-Sn-114

MAT 5031

Inelastic

50-Sn-114

Cross Section -16.26 To 9999. %



3

Incident Energy (eV)

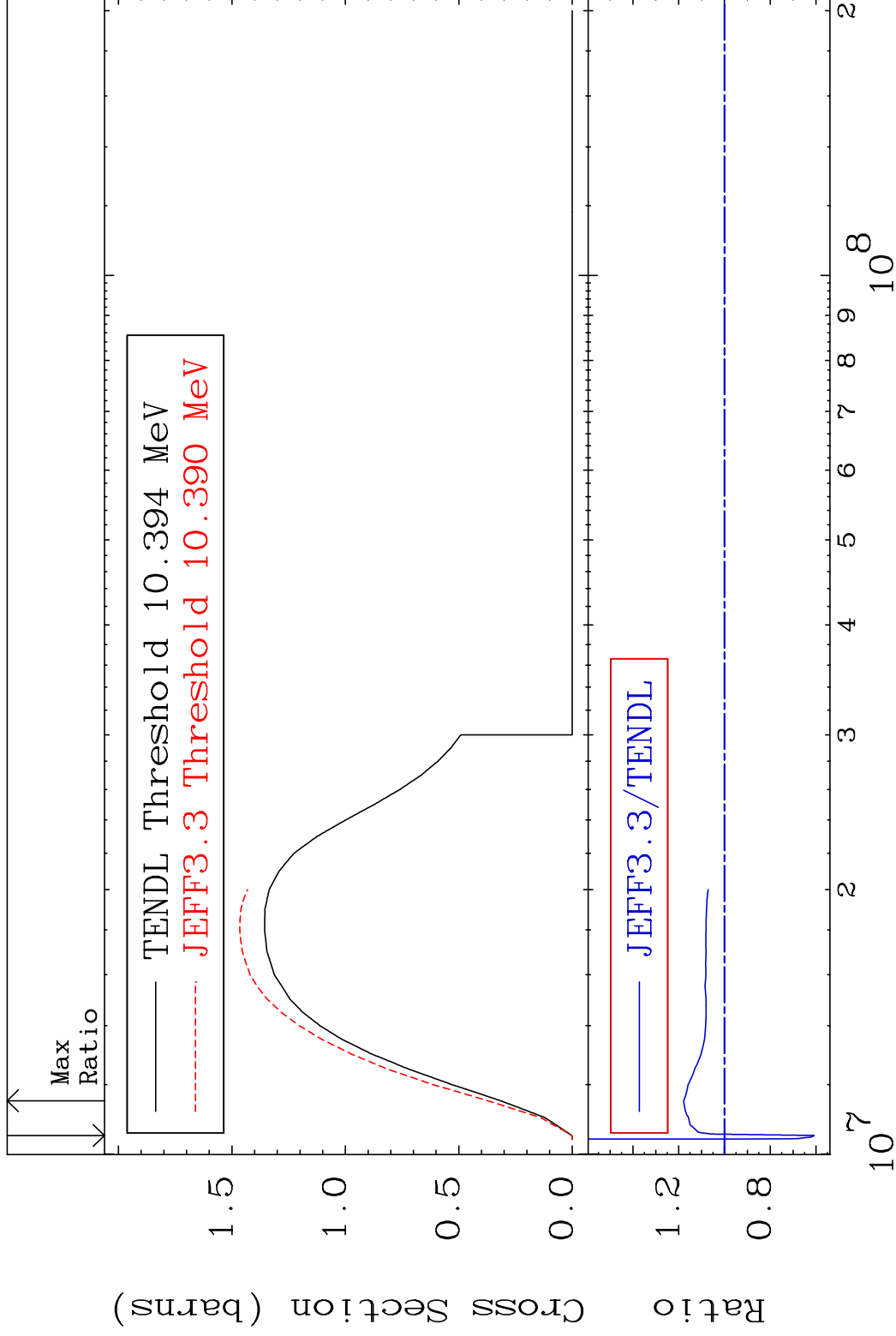
50-Sn-114

MAT 5031

(n,2n)

50-Sn-114

Cross Section -39.15 To 17.83 %



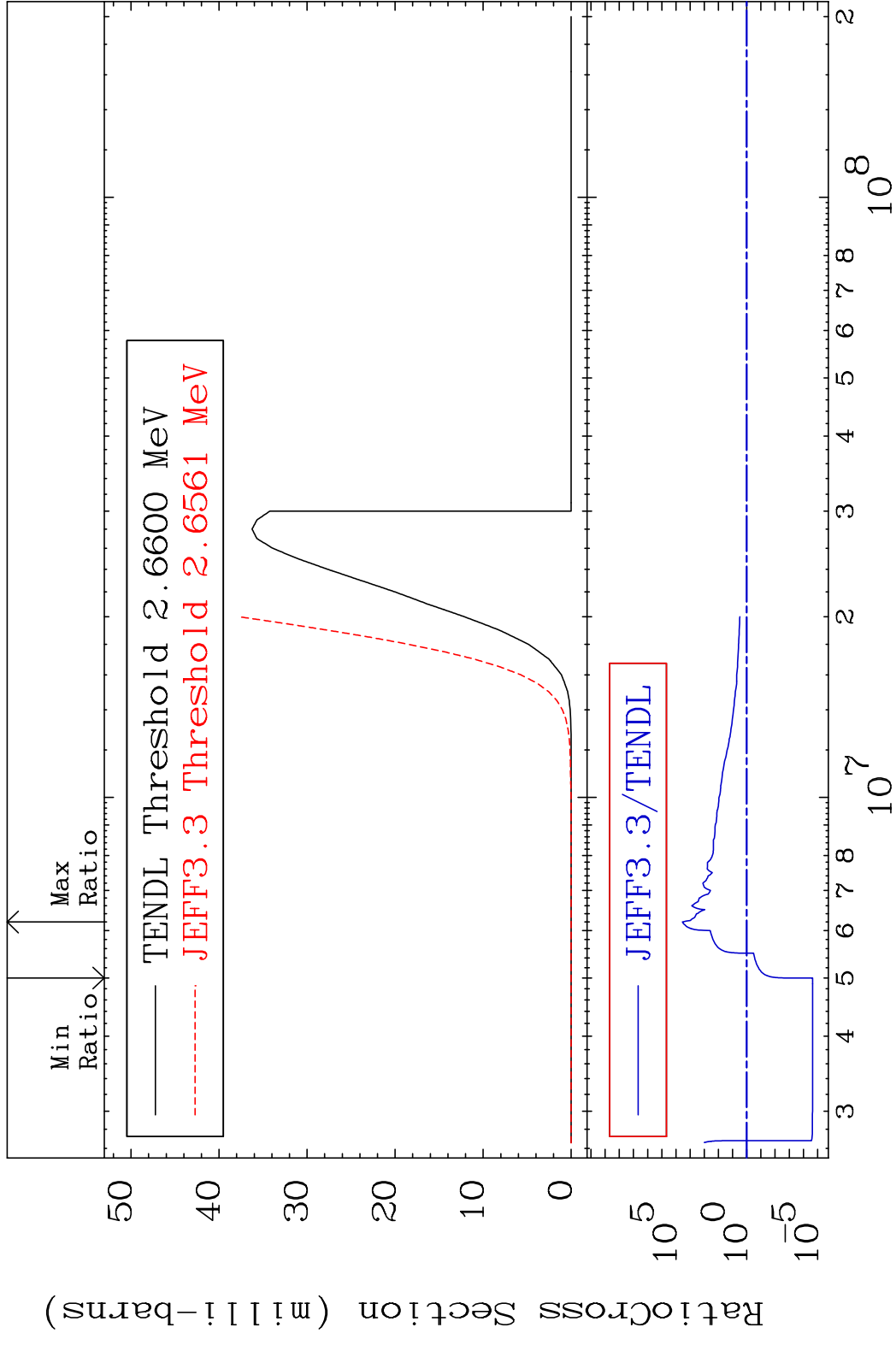
4

Incident Energy (eV)

50-Sn-114



MAT 5031 (n, n')  $\alpha$  50-Sn-114  
 Cross Section -100.0 To 9999. %



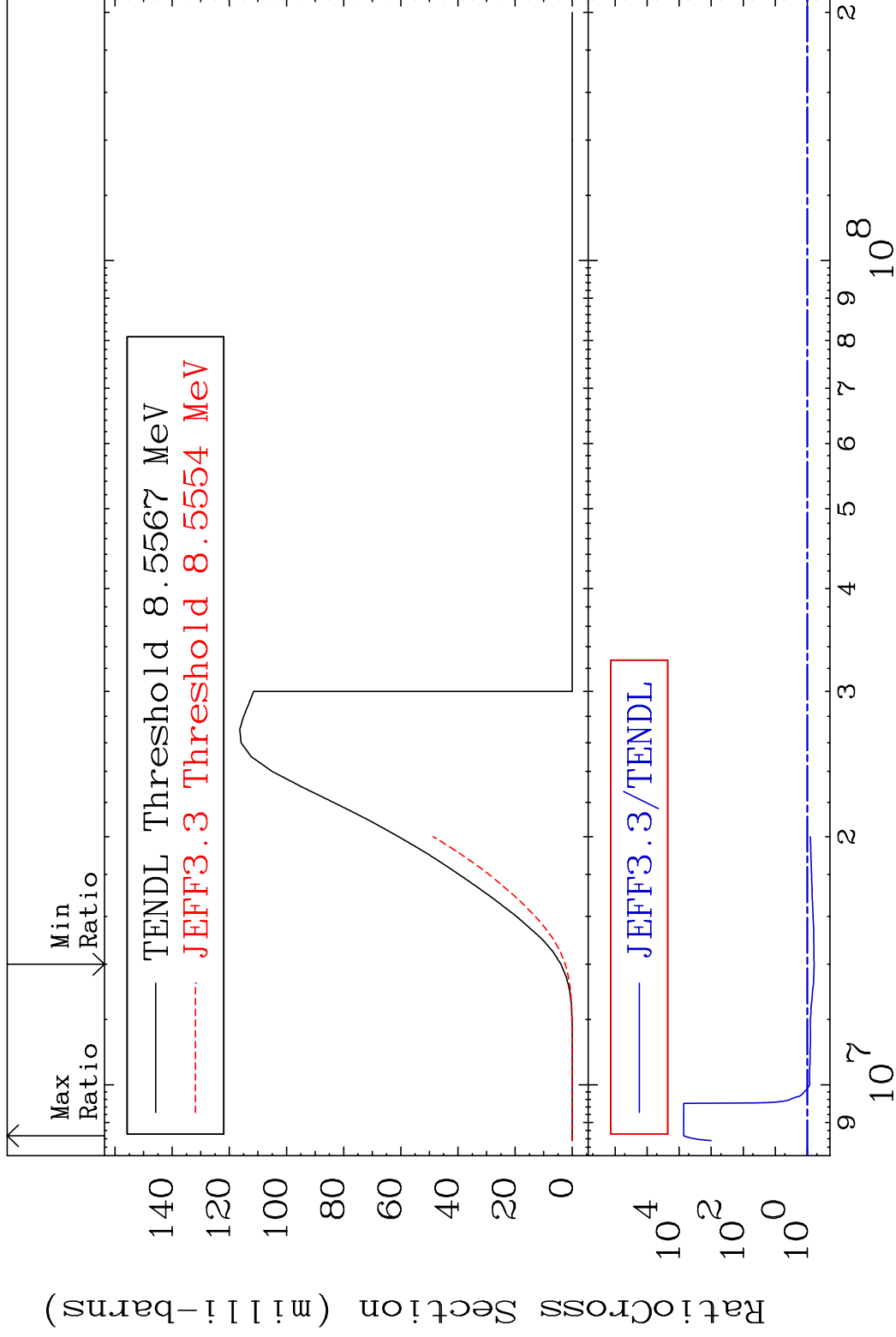
6 Incident Energy (eV) 50-Sn-114

MAT 5031

(n, n') p

50-Sn-114

Cross Section -38.75 To 9999. %



7

Incident Energy (eV)

50-Sn-114

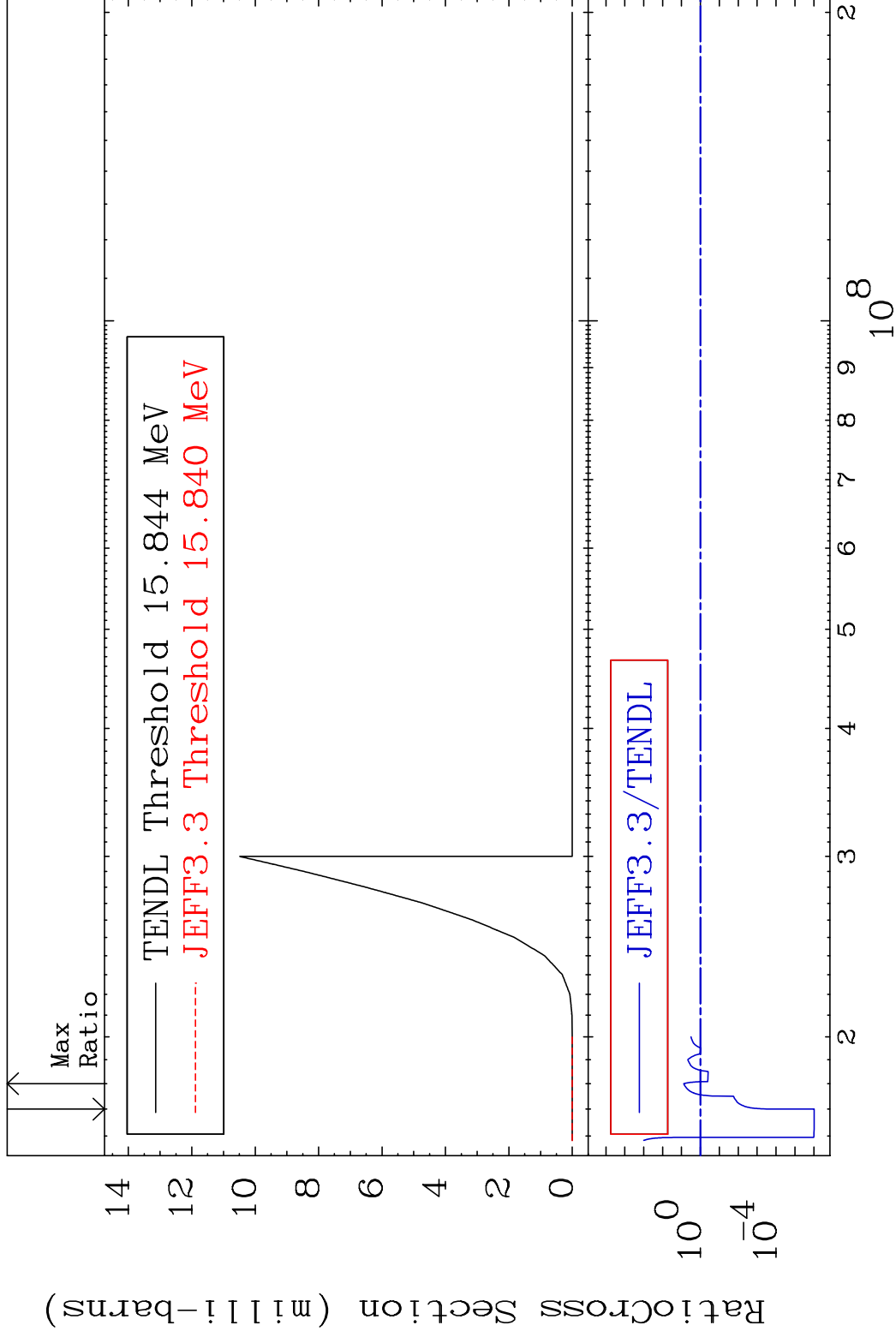


MAT 5031

(n, n') d

50-Sn-114

Cross Section -100.0 To 670.6 %

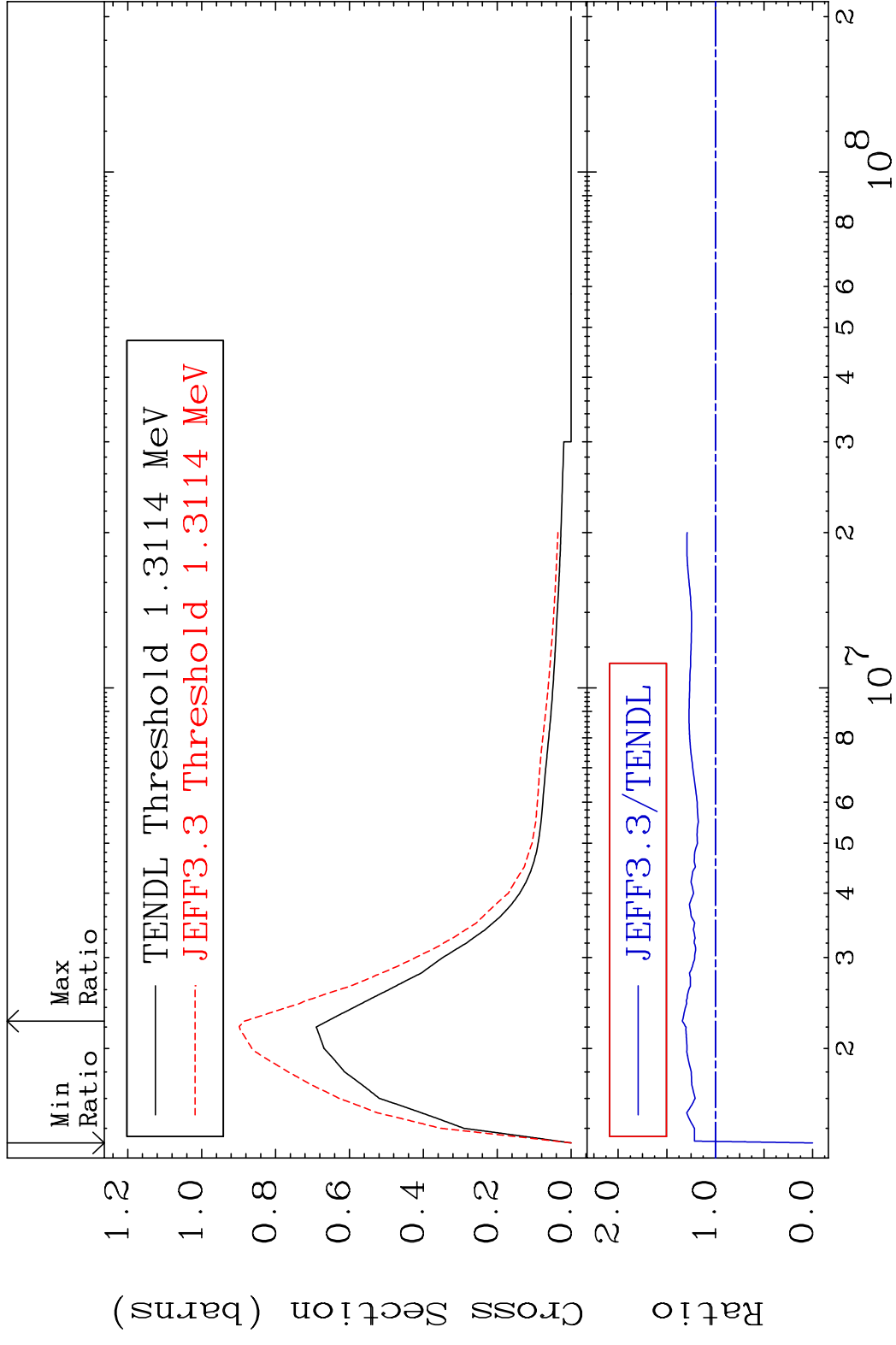


8

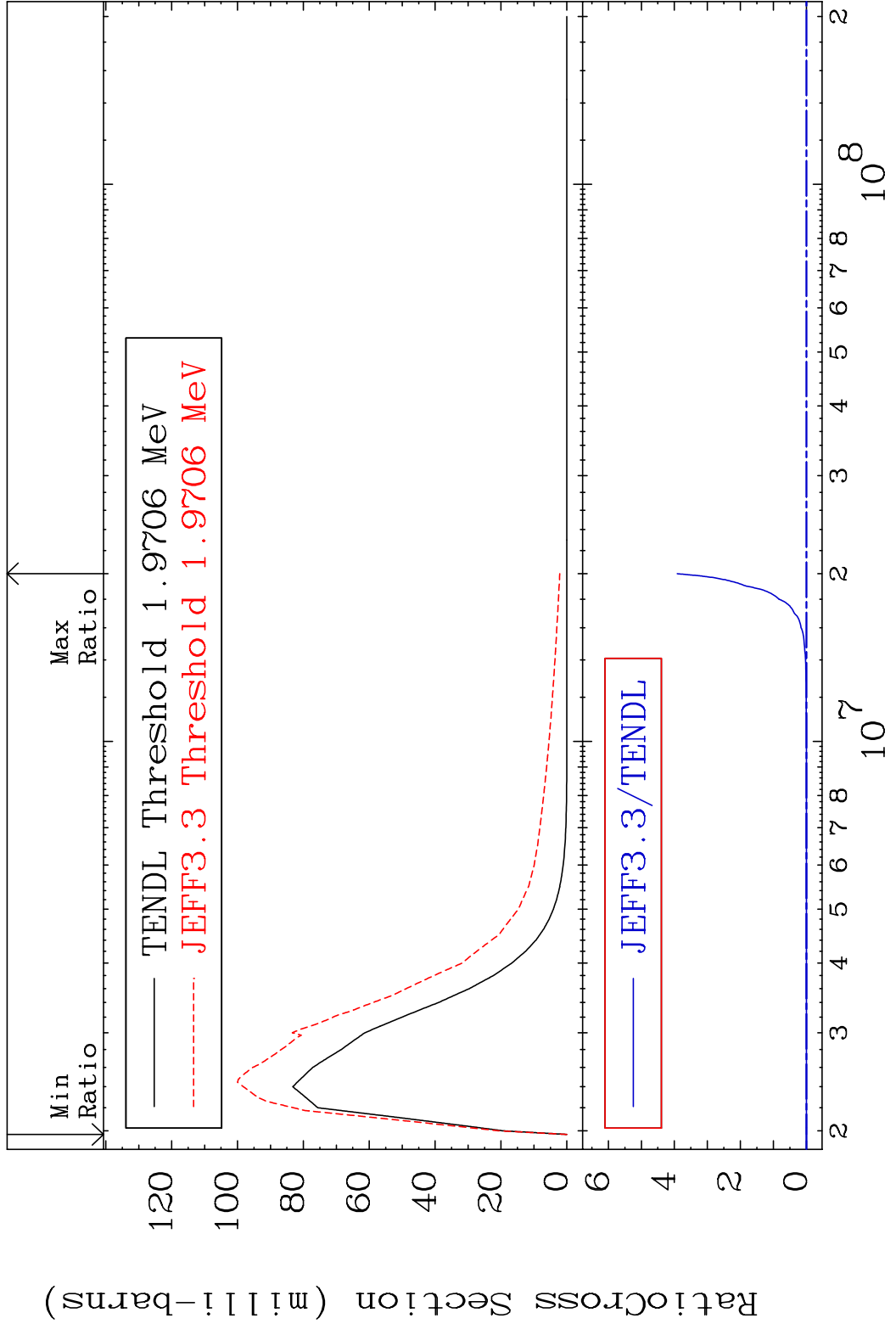
Incident Energy (eV)

50-Sn-114

MAT 5031 MT= 51 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 33.97 %



MAT 5031 MT= 52 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %



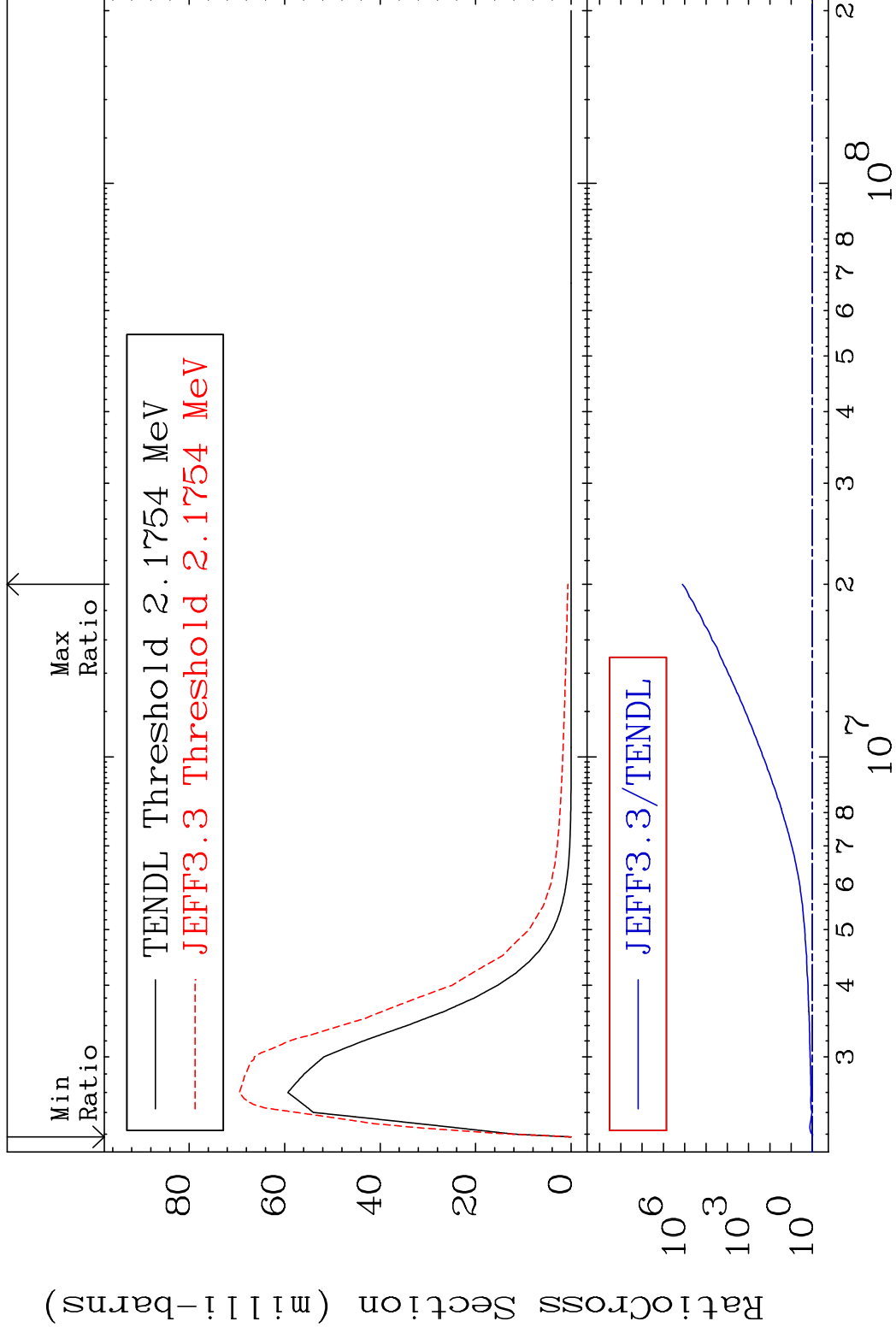
10 Incident Energy (eV) 50-Sn-114

MAT 5031

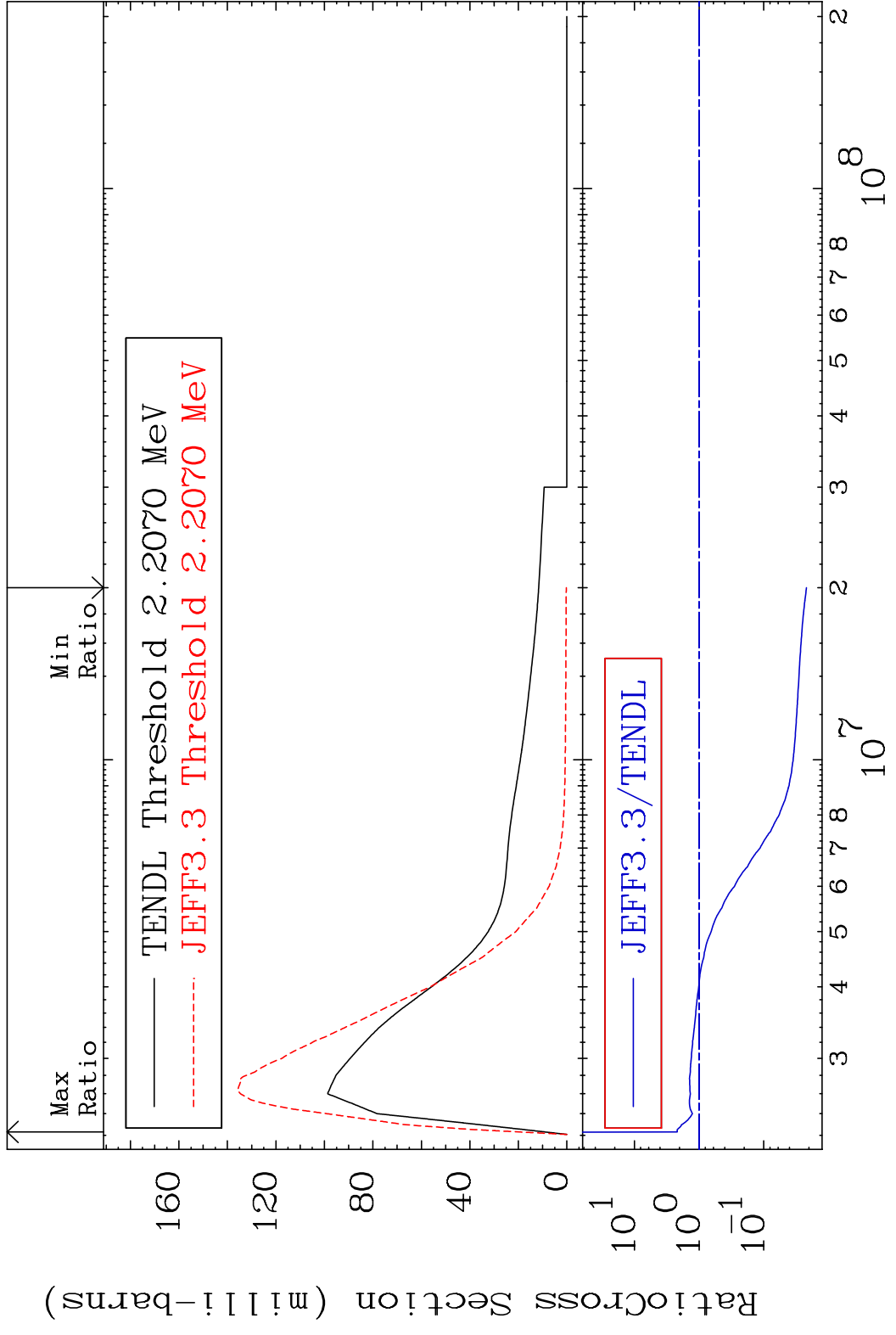
MT= 53 (n, n') Level

50-Sn-114

Cross Section -0.784 To 9999. %

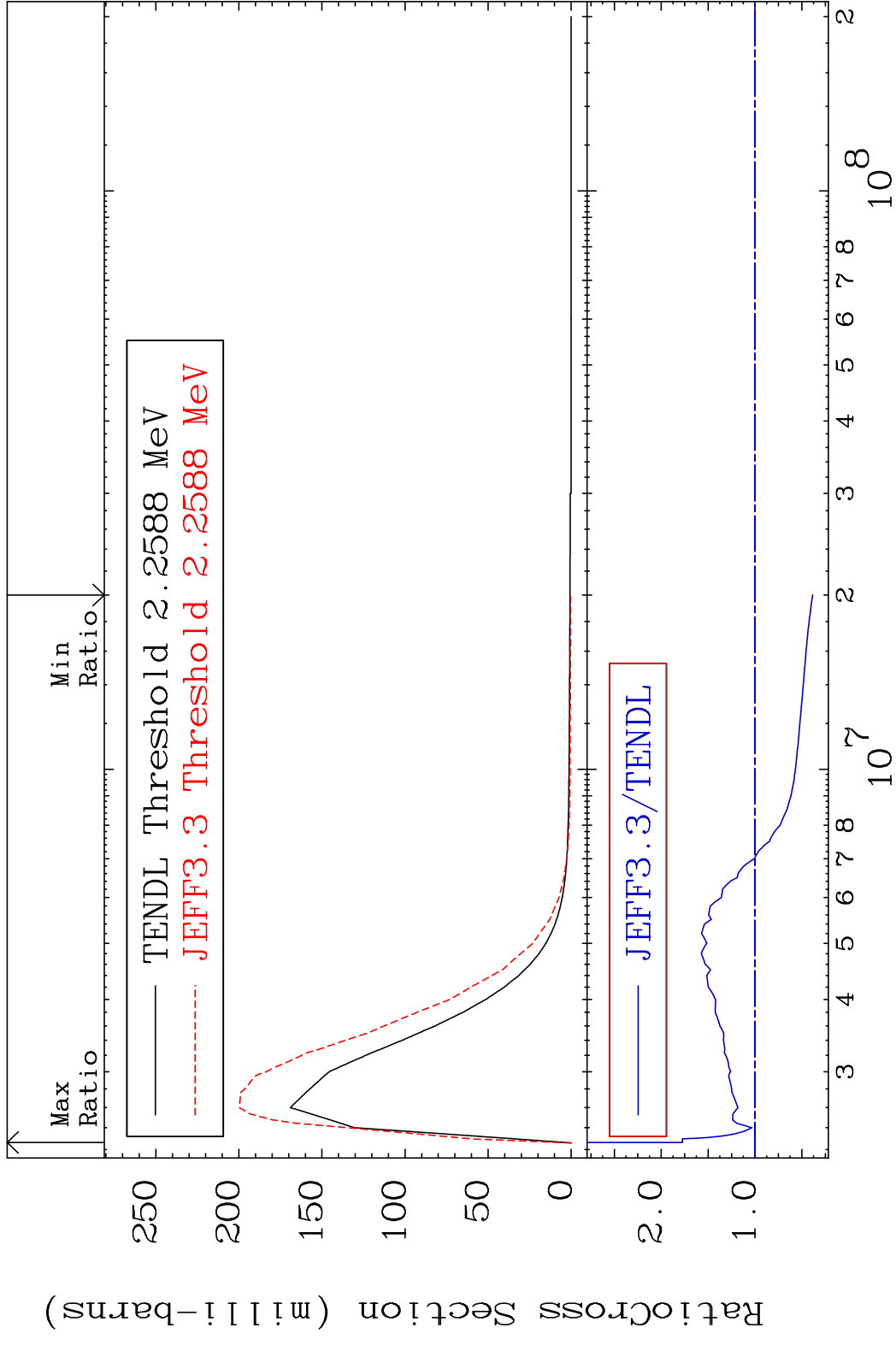


MAT 5031 MT= 54 (n, n') Level 50-Sn-114  
 Cross Section -97.80 To 117.8 %

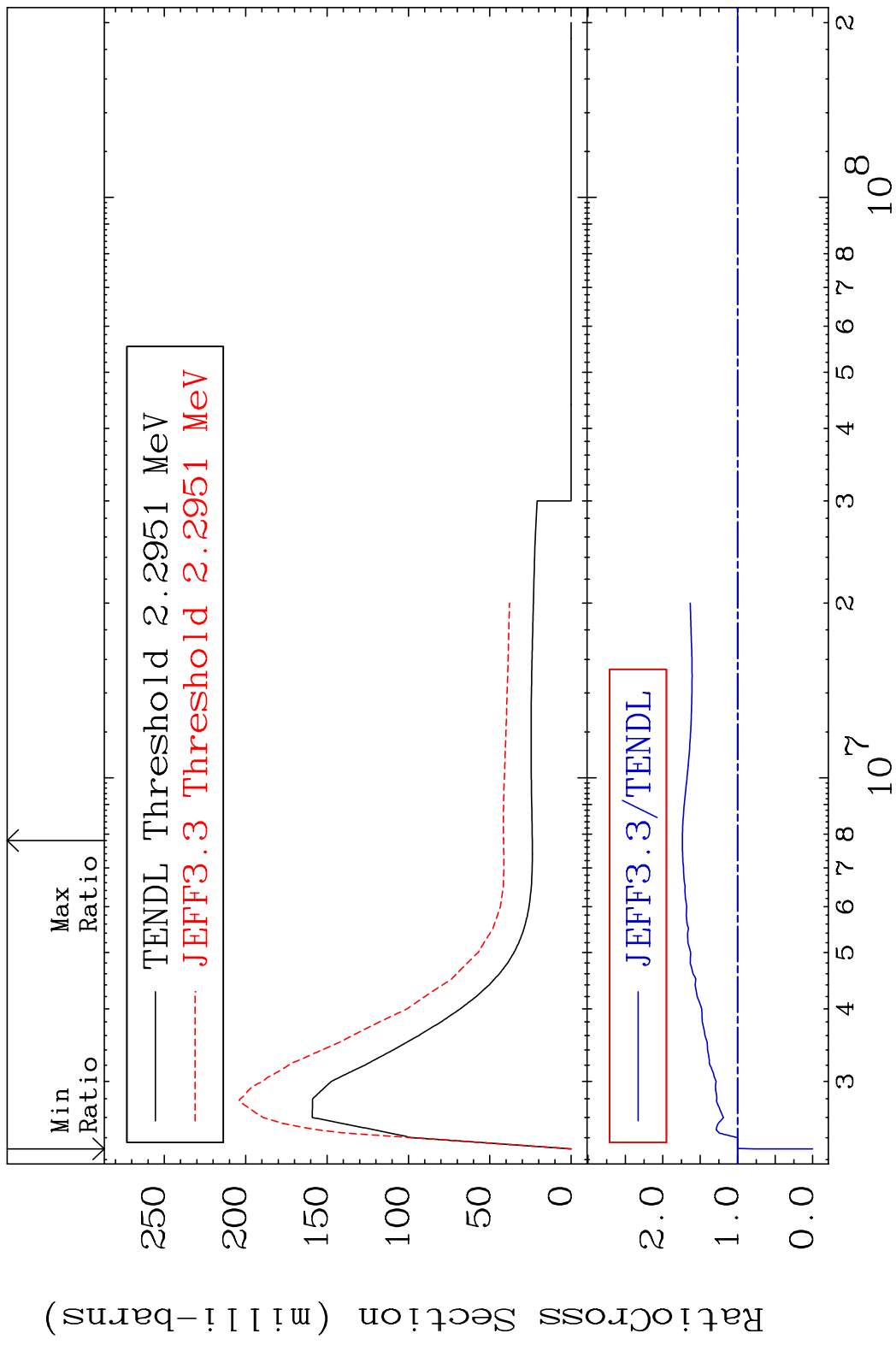


12 Incident Energy (eV) 50-Sn-114

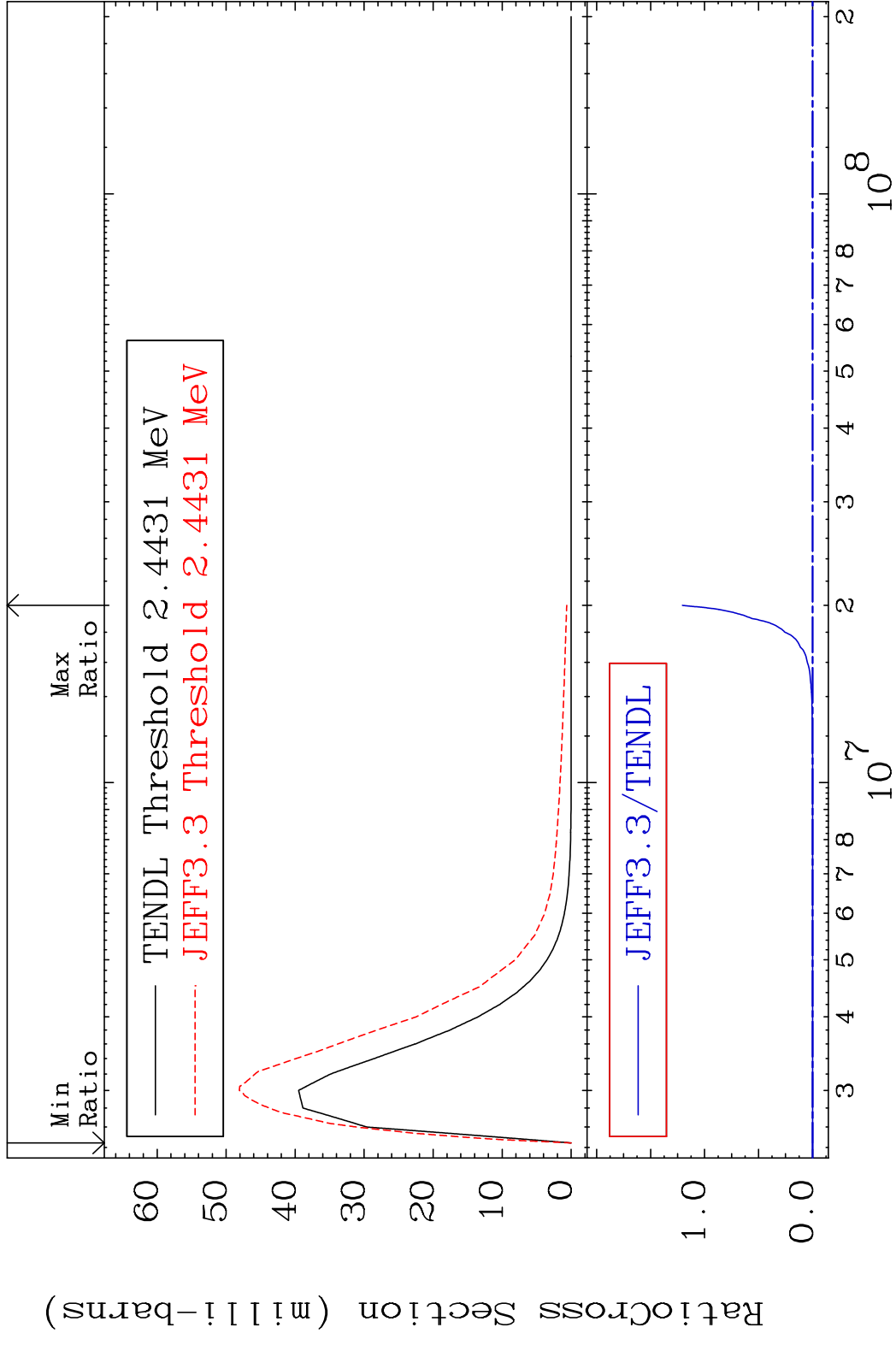
MAT 5031 MT= 55 (n,n') Level 50-Sn-114  
 Cross Section -61.40 To 77.46 %



MAT 5031 MT= 56 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 73.87 %

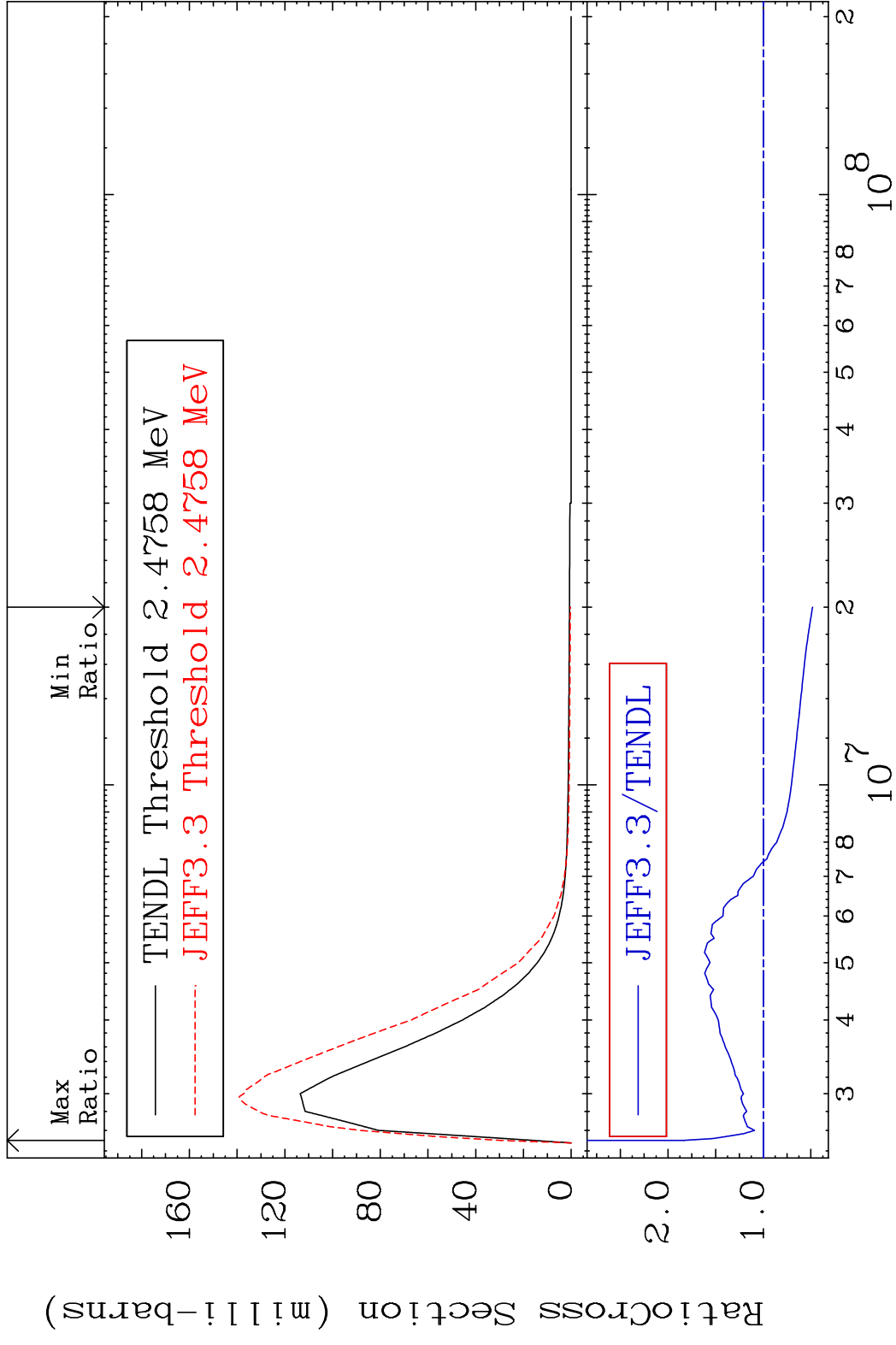


MAT 5031 MT= 57 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %

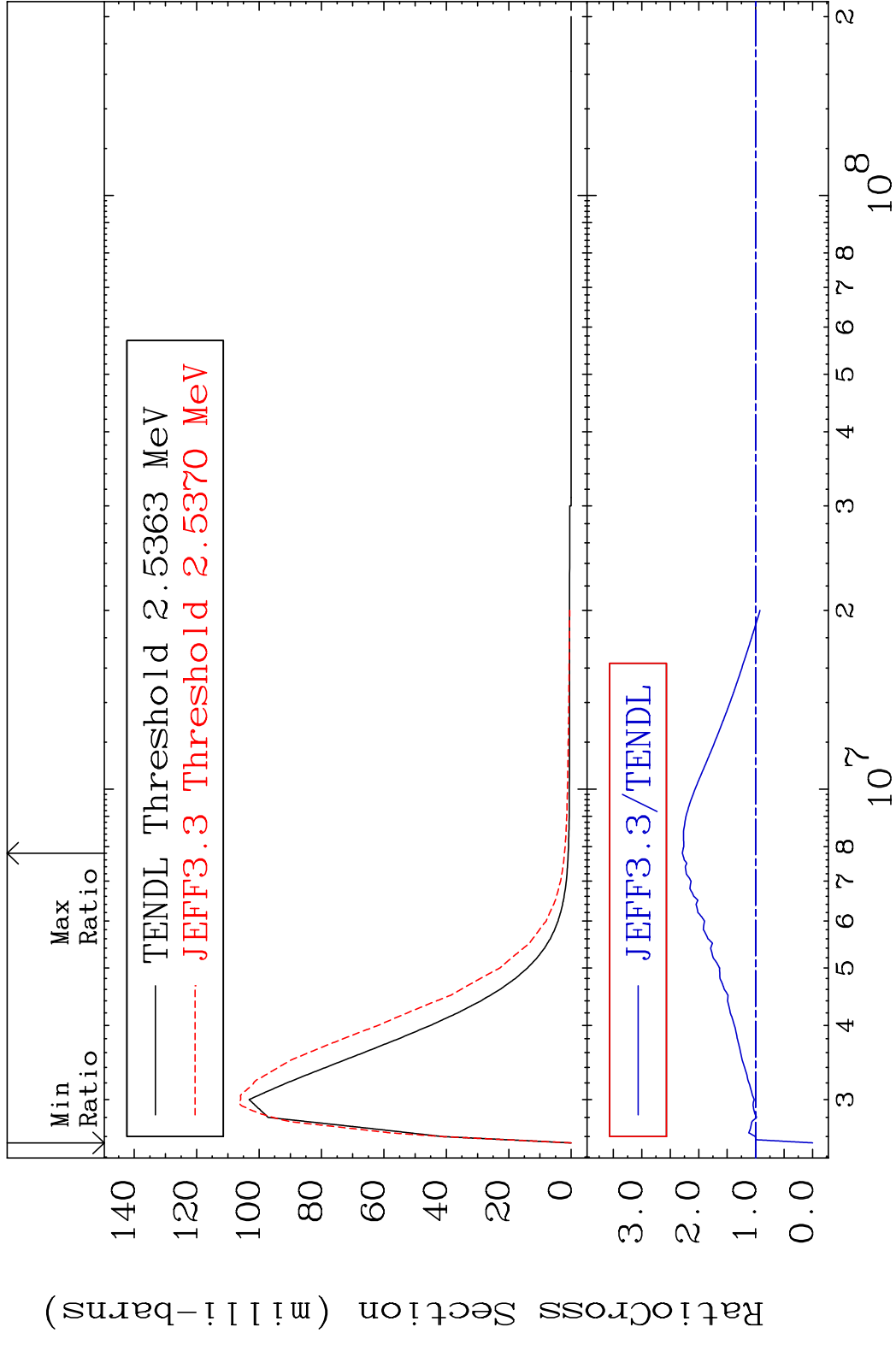




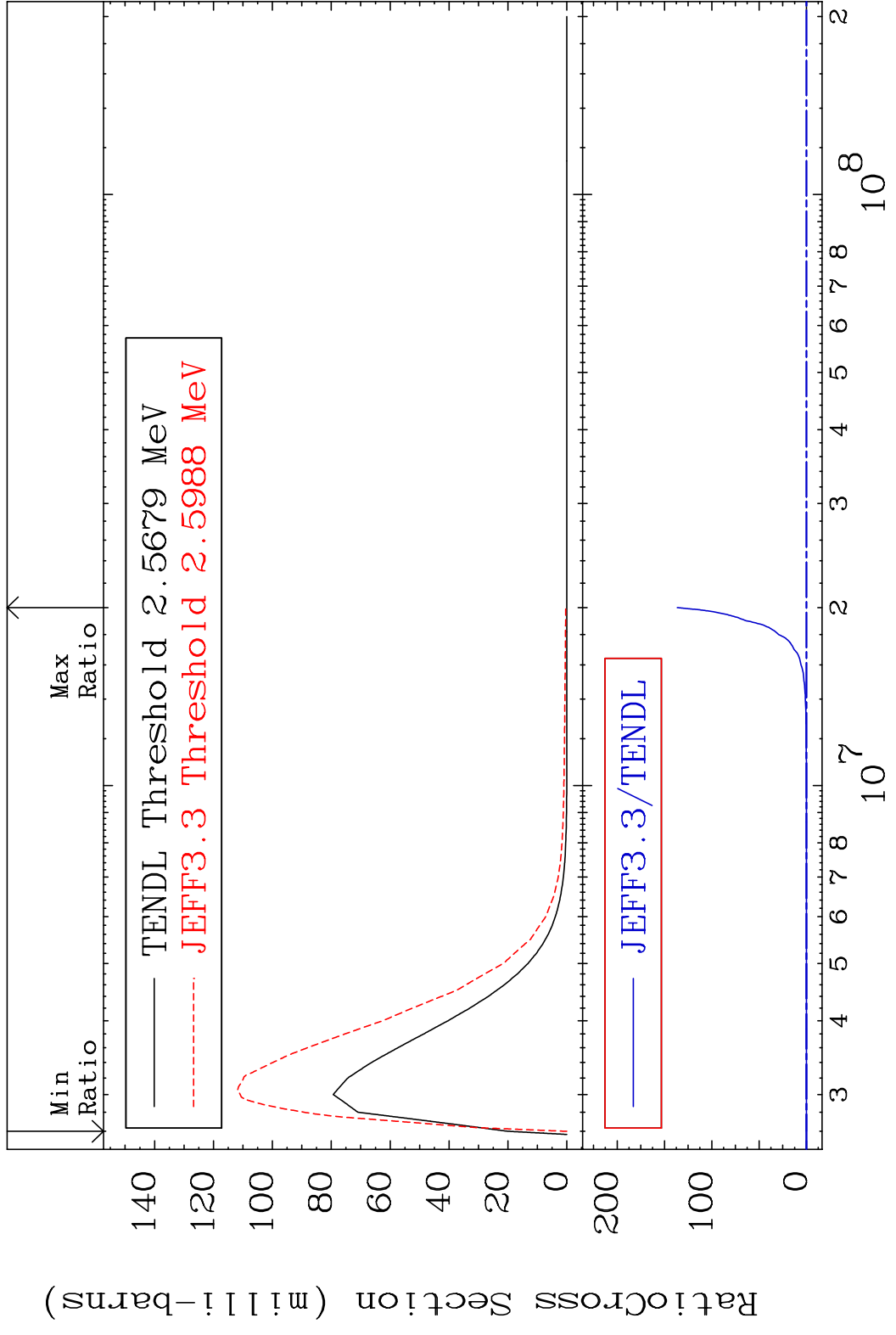
MAT 5031 MT= 58 (n,n') Level 50-Sn-114  
 Cross Section -51.76 To 84.91 %



MAT 5031 MT= 59 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 128.7 %

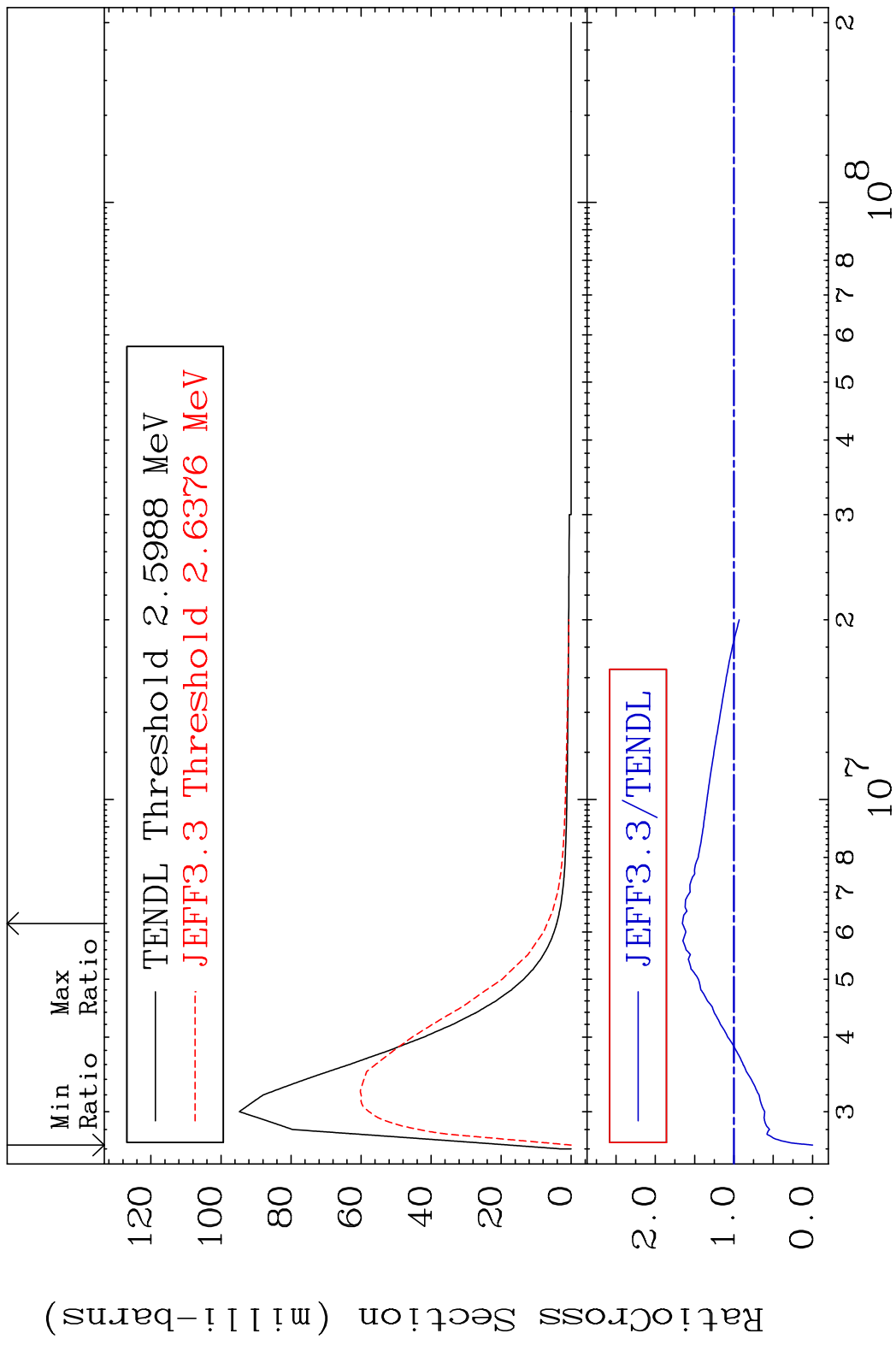


MAT 5031 MT= 60 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %

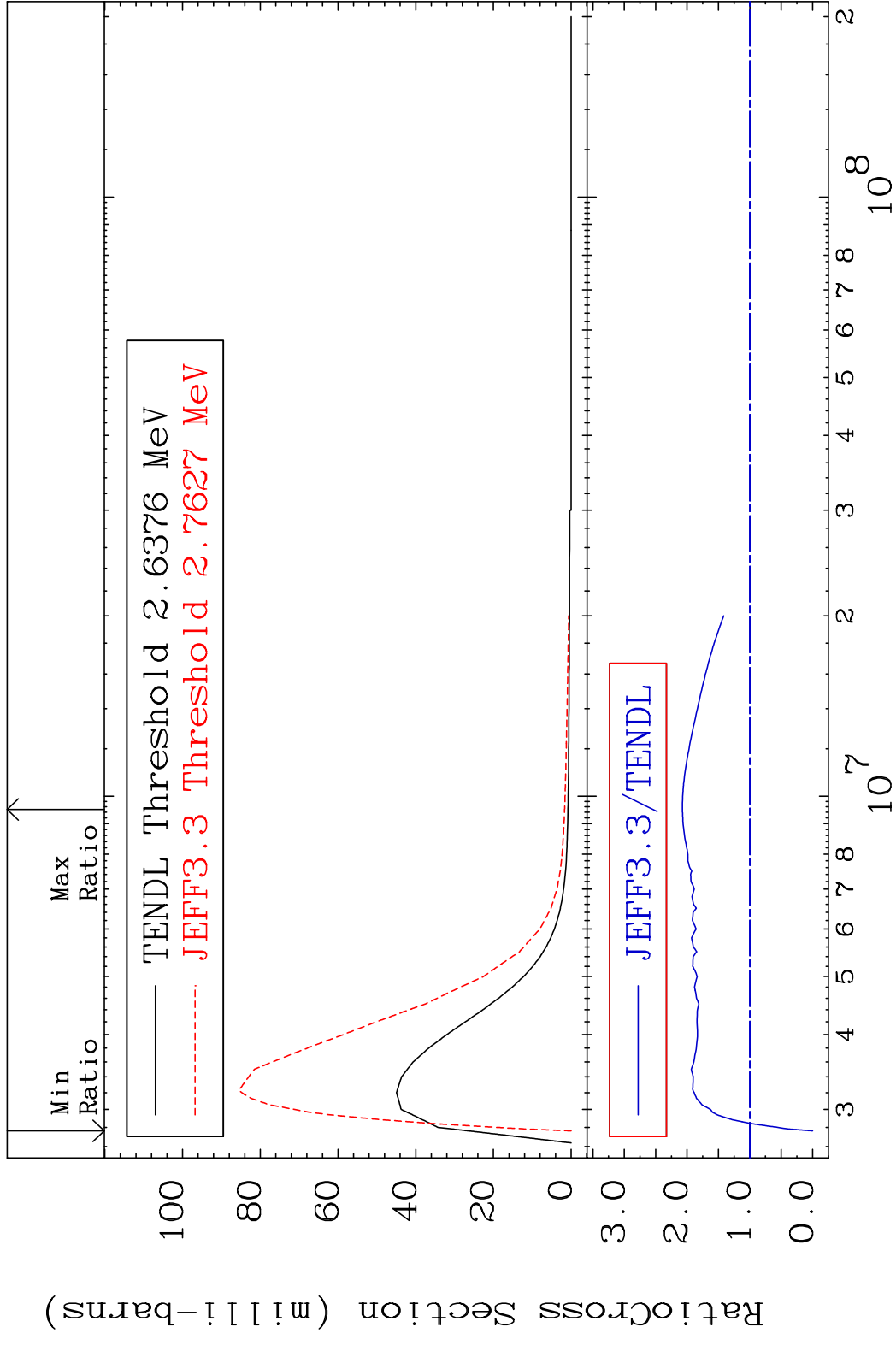


18 Incident Energy (eV) 50-Sn-114

MAT 5031 MT= 61 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 65.59 %

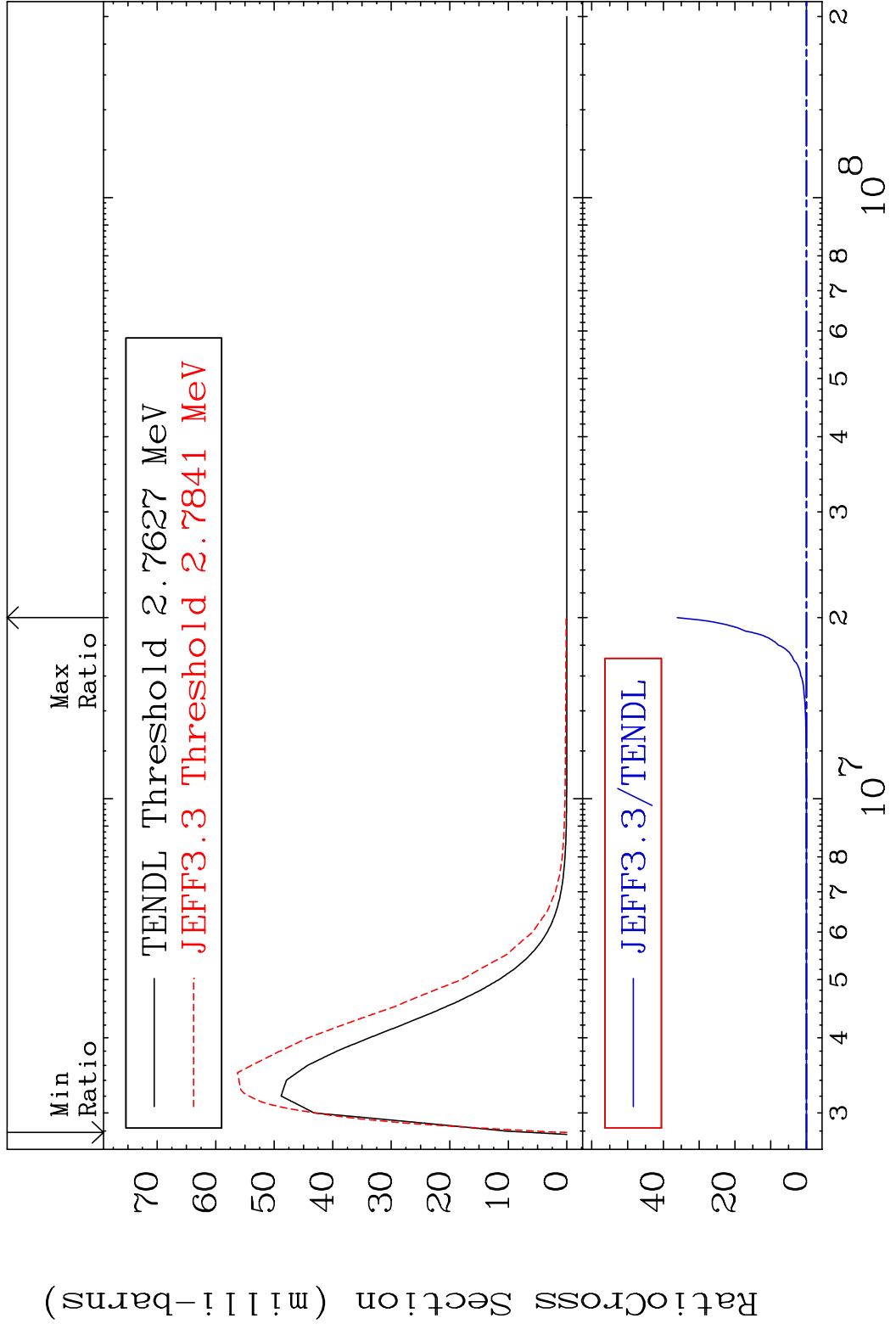


MAT 5031 MT= 62 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 107.5 %

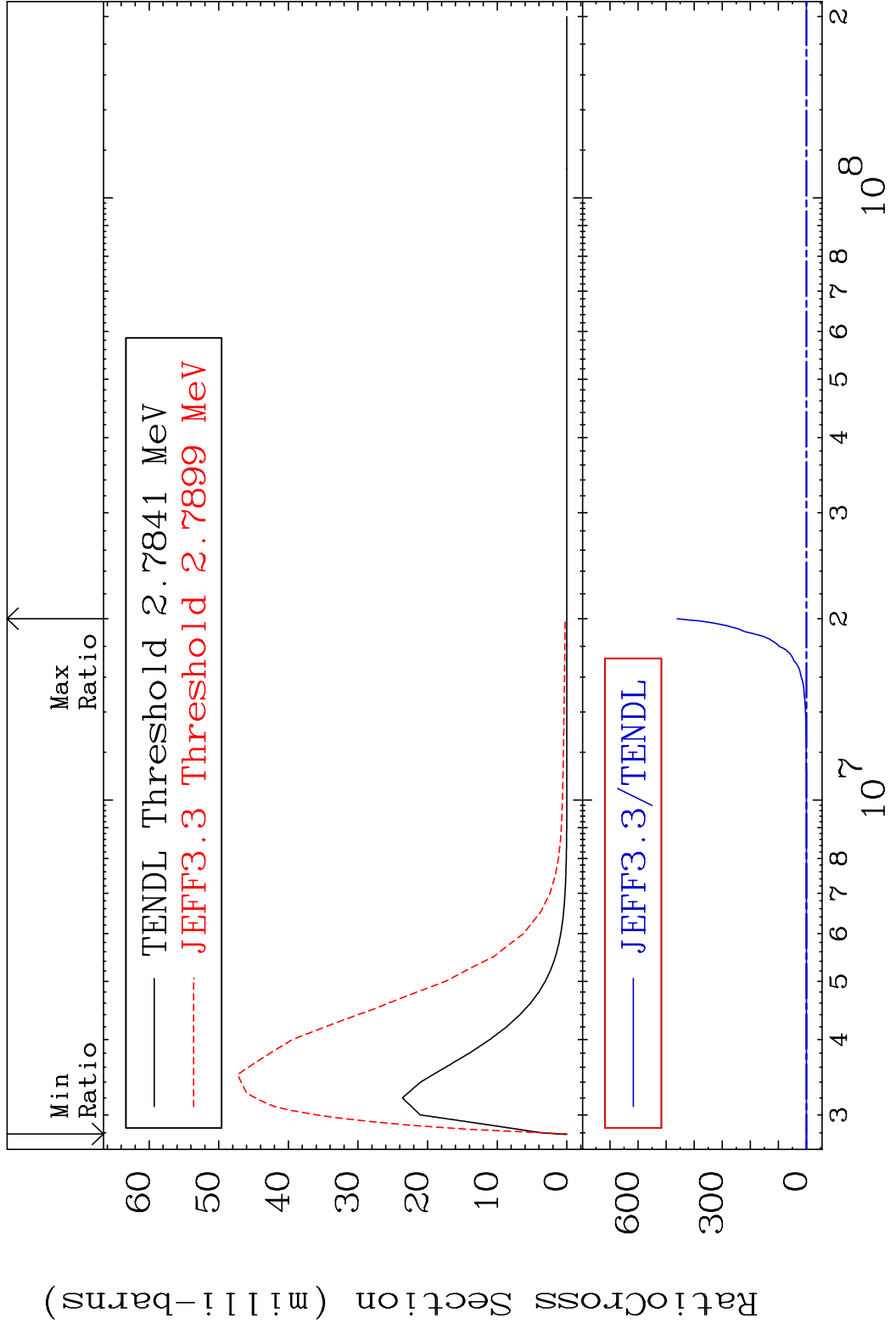


20 Incident Energy (eV) 50-Sn-114

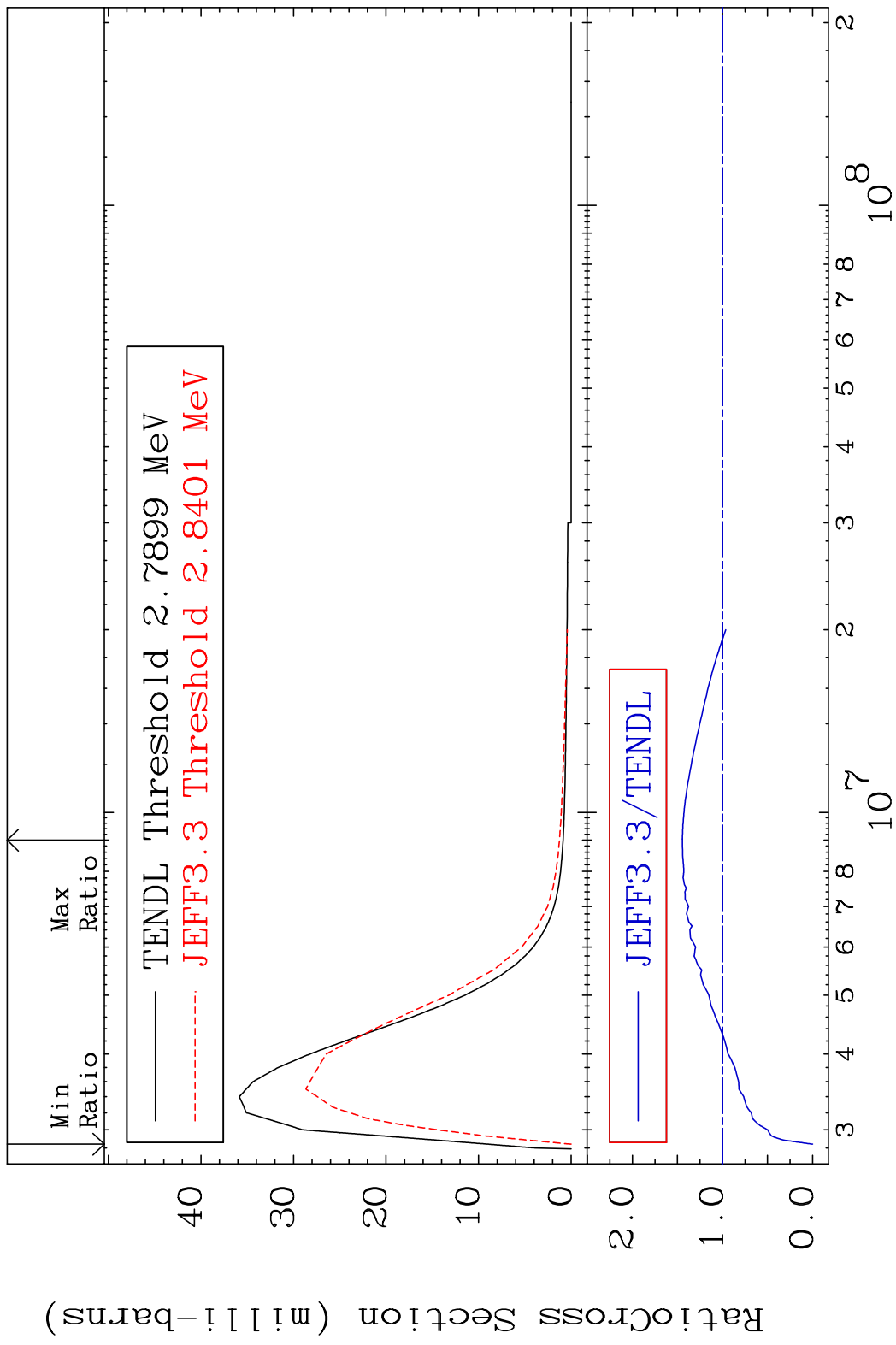
MAT 5031 MT= 63 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %



MAT 5031 MT= 64 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %



MAT 5031 MT= 65 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 44.56 %



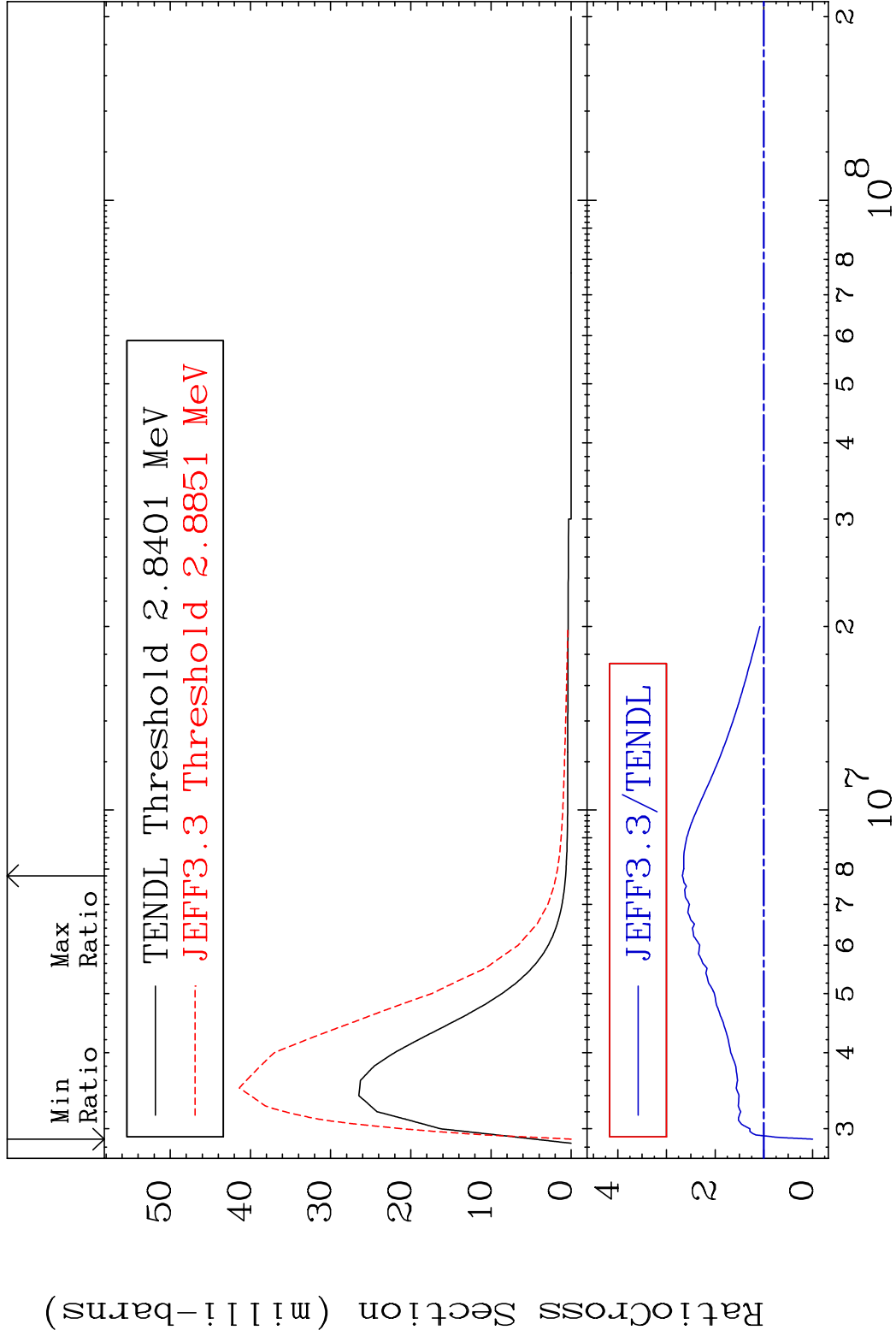


MAT 5031

MT= 66 (n,n') Level

50-Sn-114

Cross Section -100.0 To 167.3 %

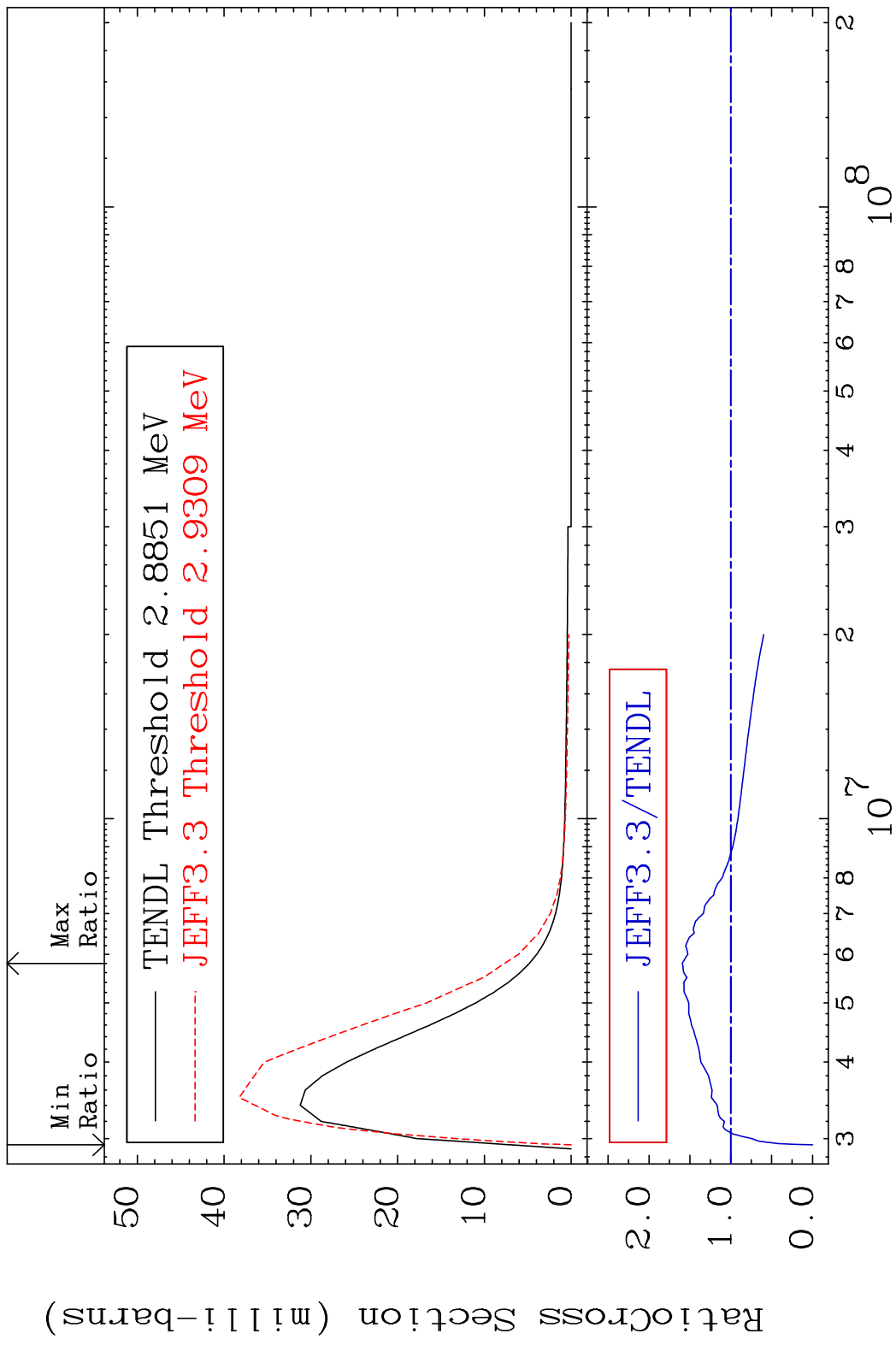


24

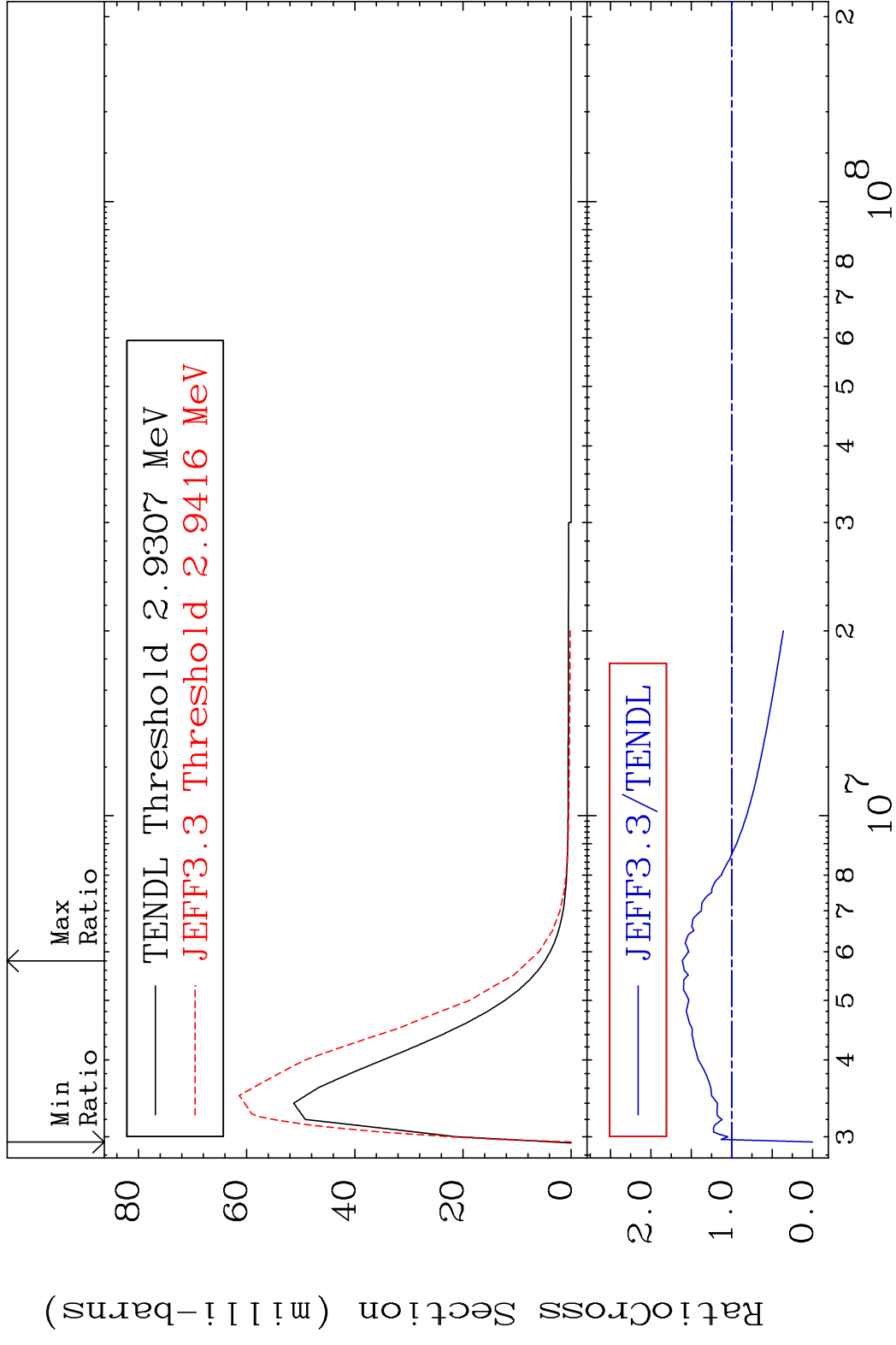
Incident Energy (eV)

50-Sn-114

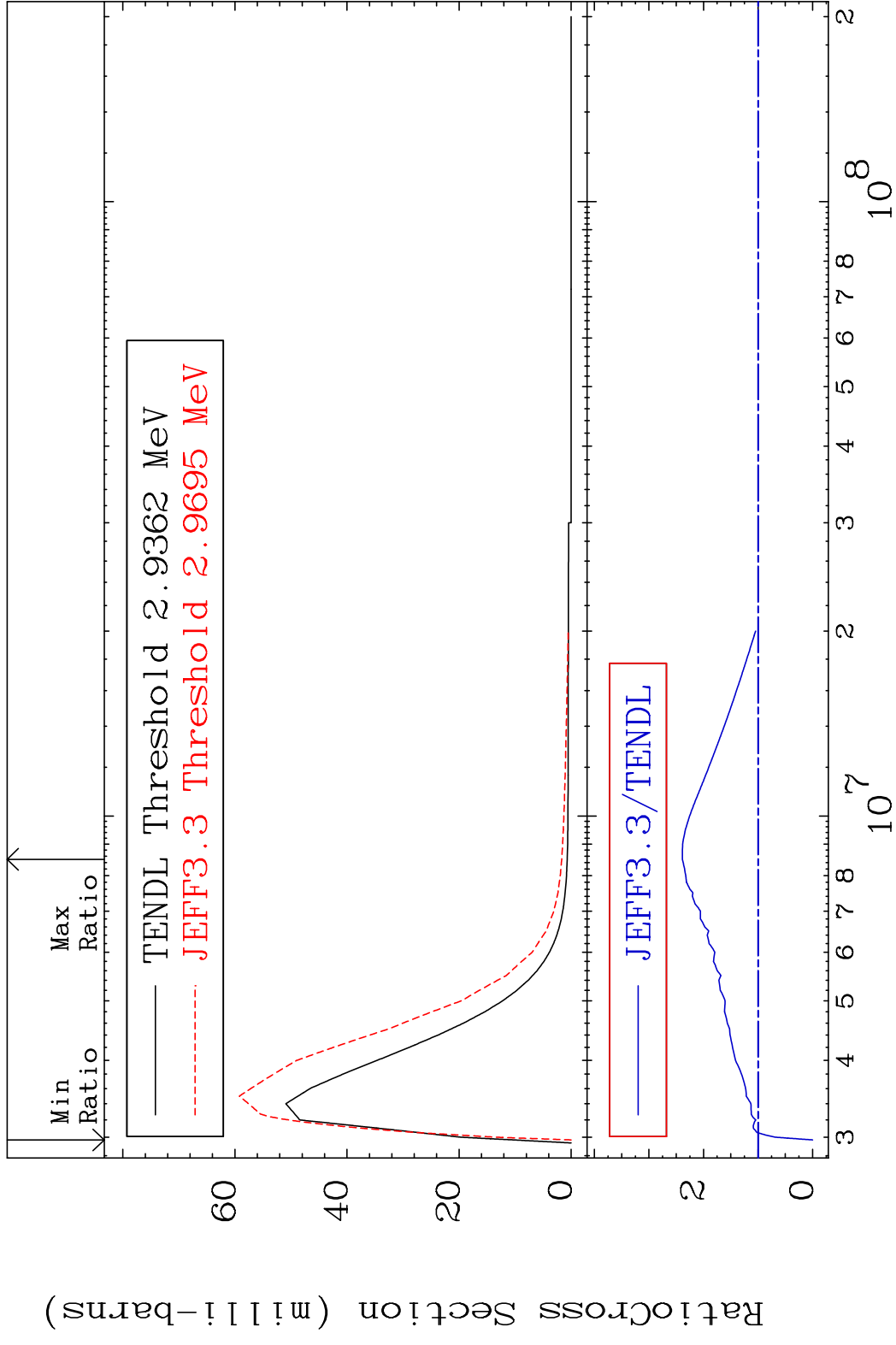
MAT 5031 MT= 67 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 59.21 %



MAT 5031 MT= 68 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 61.08 %



MAT 5031 MT= 69 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 138.8 %

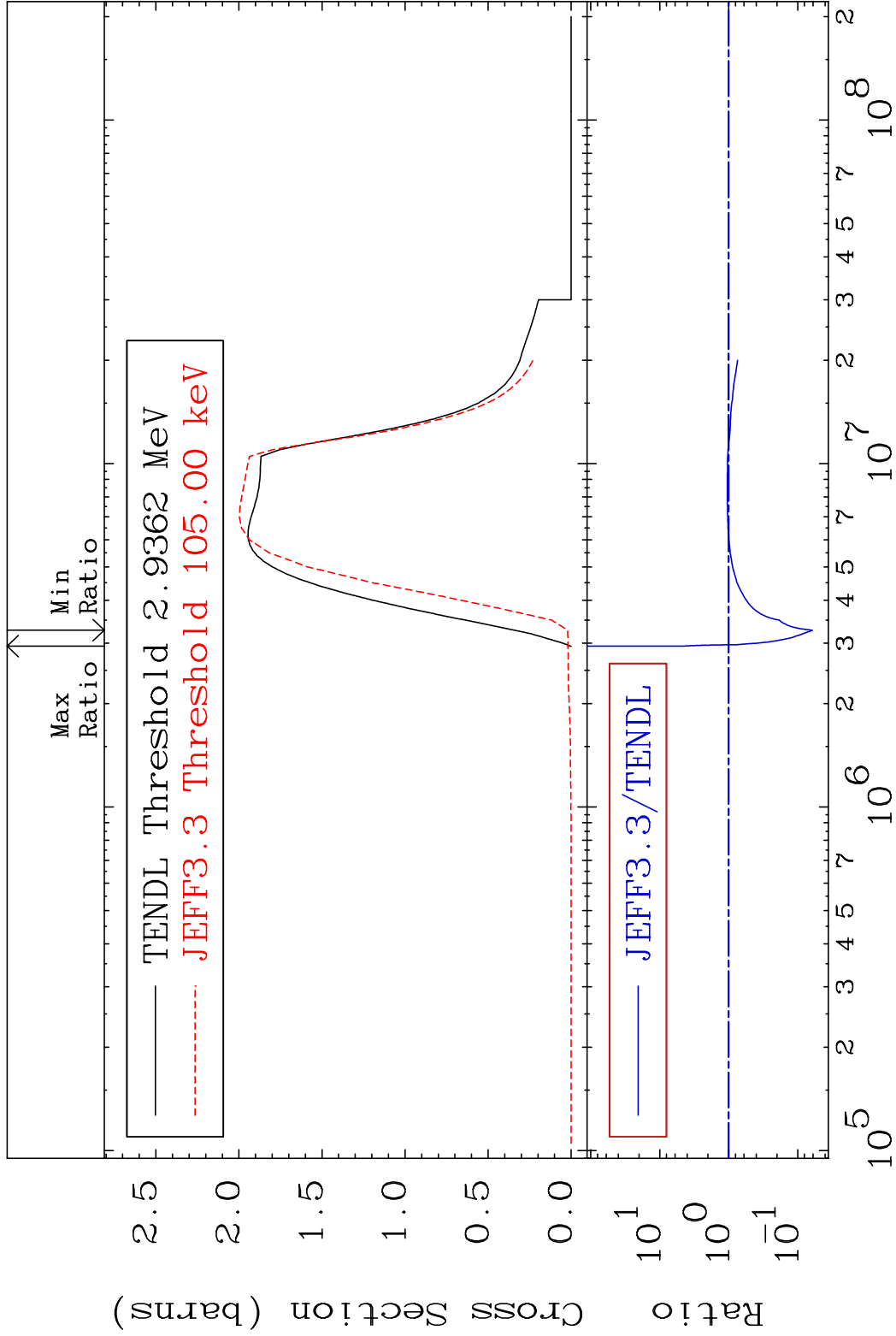


MAT 5031

(n, n') Continuum

50-Sn-114

Cross Section -93.90 To 370.7 %



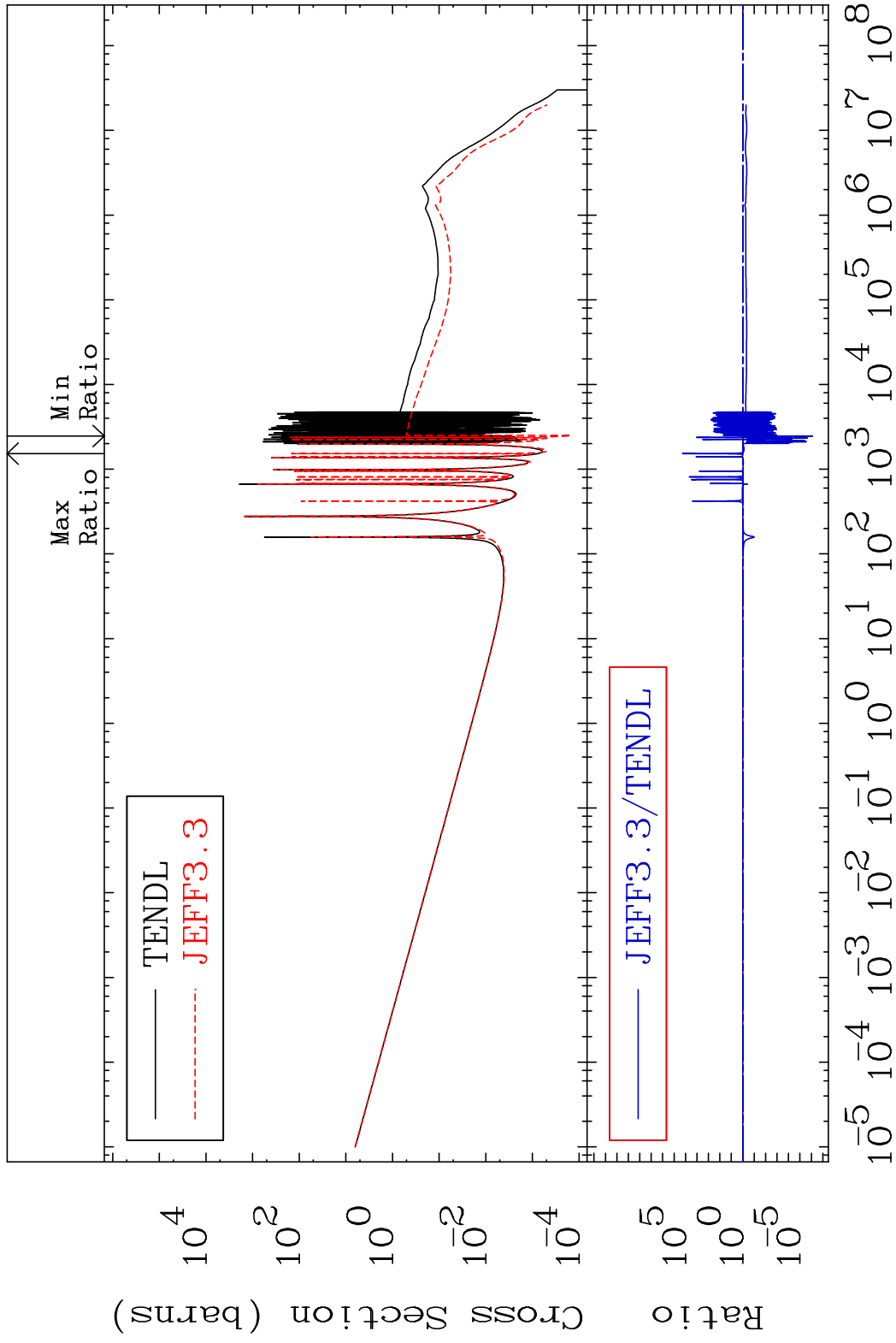
28

Incident Energy (eV)

50-Sn-114

MAT 5031

(n,  $\gamma$ )  
Cross Section -100.0 To 9999. %  
50-Sn-114

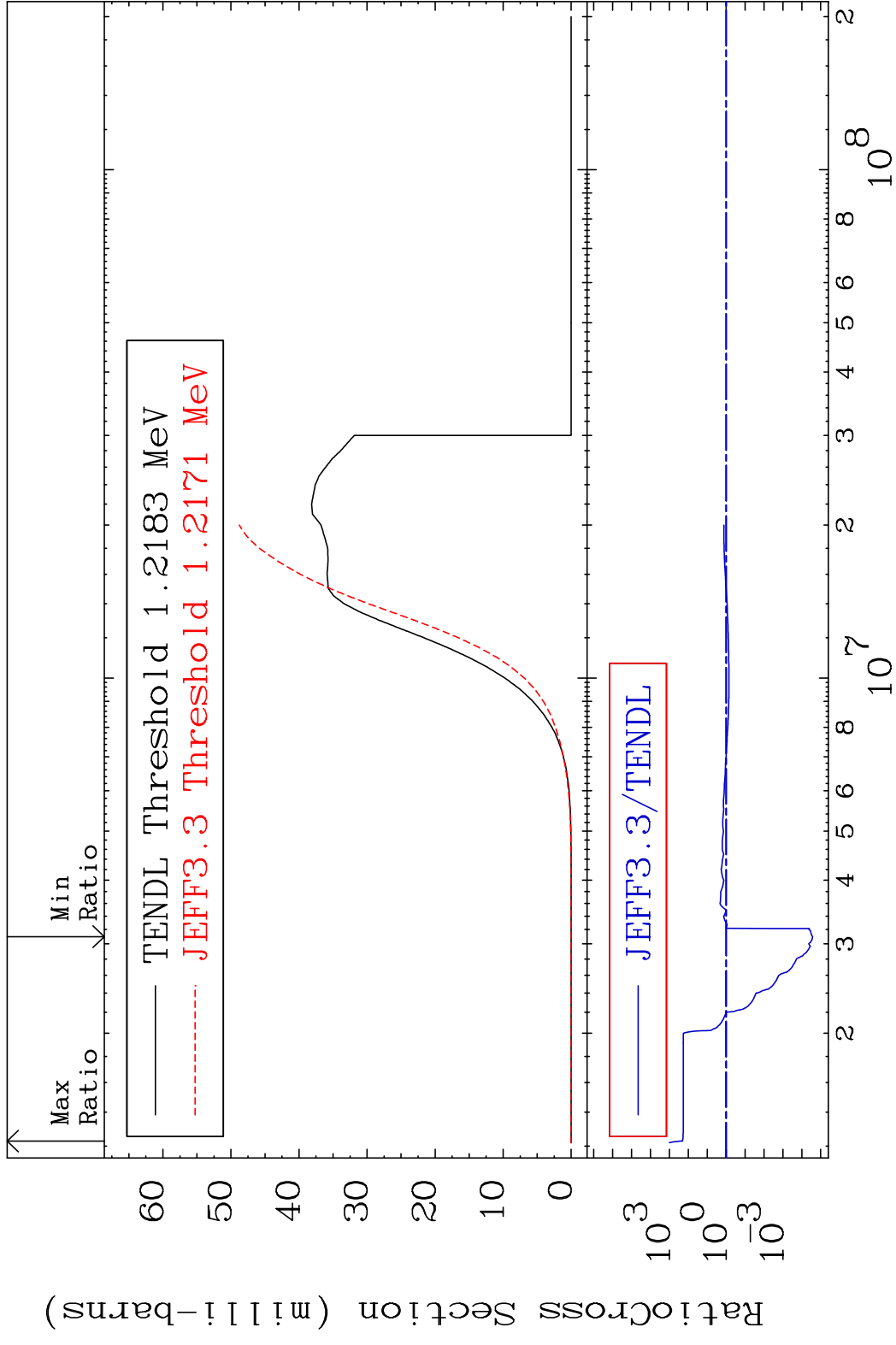


29

Incident Energy (eV)

50-Sn-114

MAT 5031 (n,p) 50-Sn-114  
 Cross Section -100.0 To 9999. %

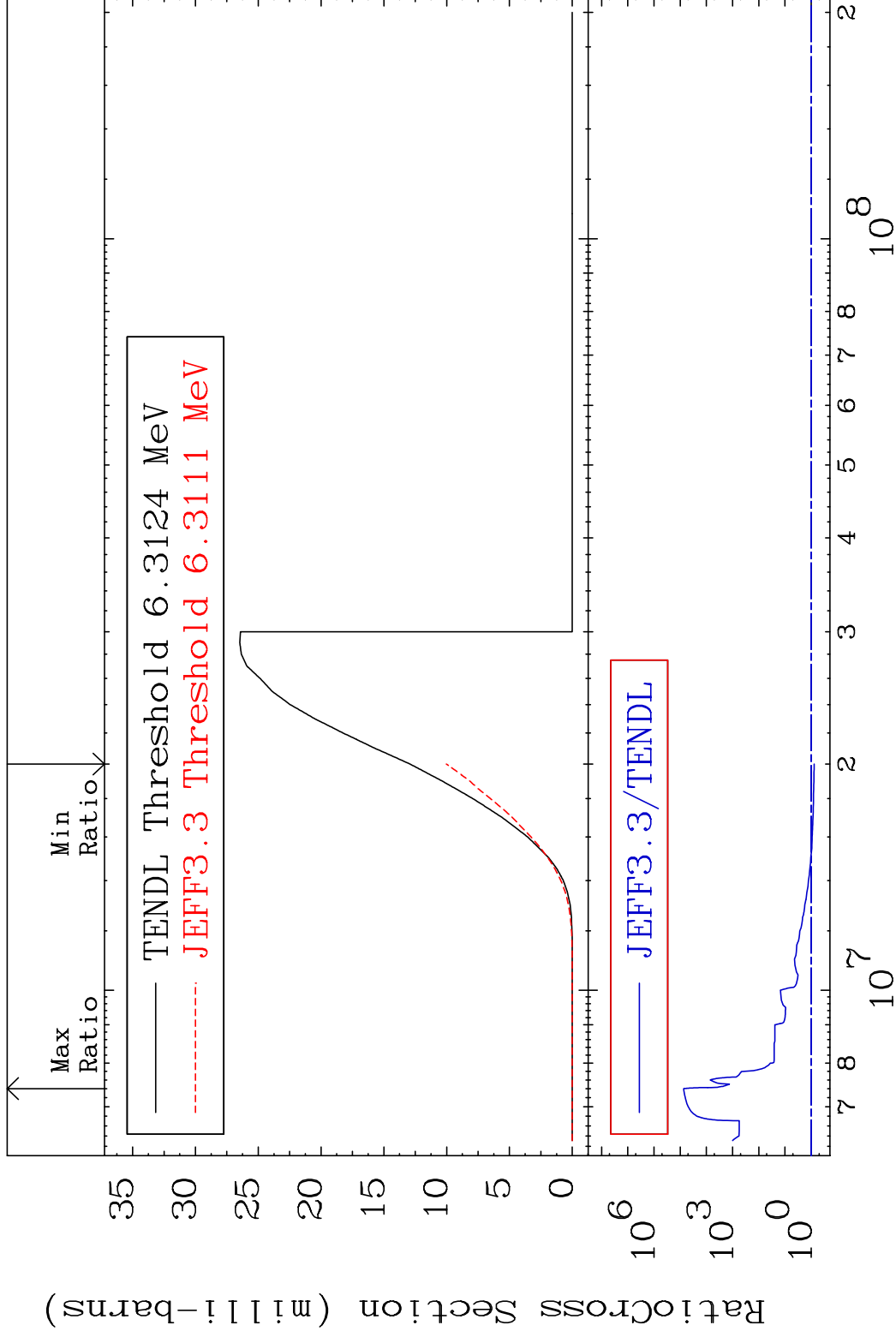


MAT 5031

(n,d)

50-Sn-114

Cross Section -22.44 To 9999. %



31

Incident Energy (eV)

50-Sn-114

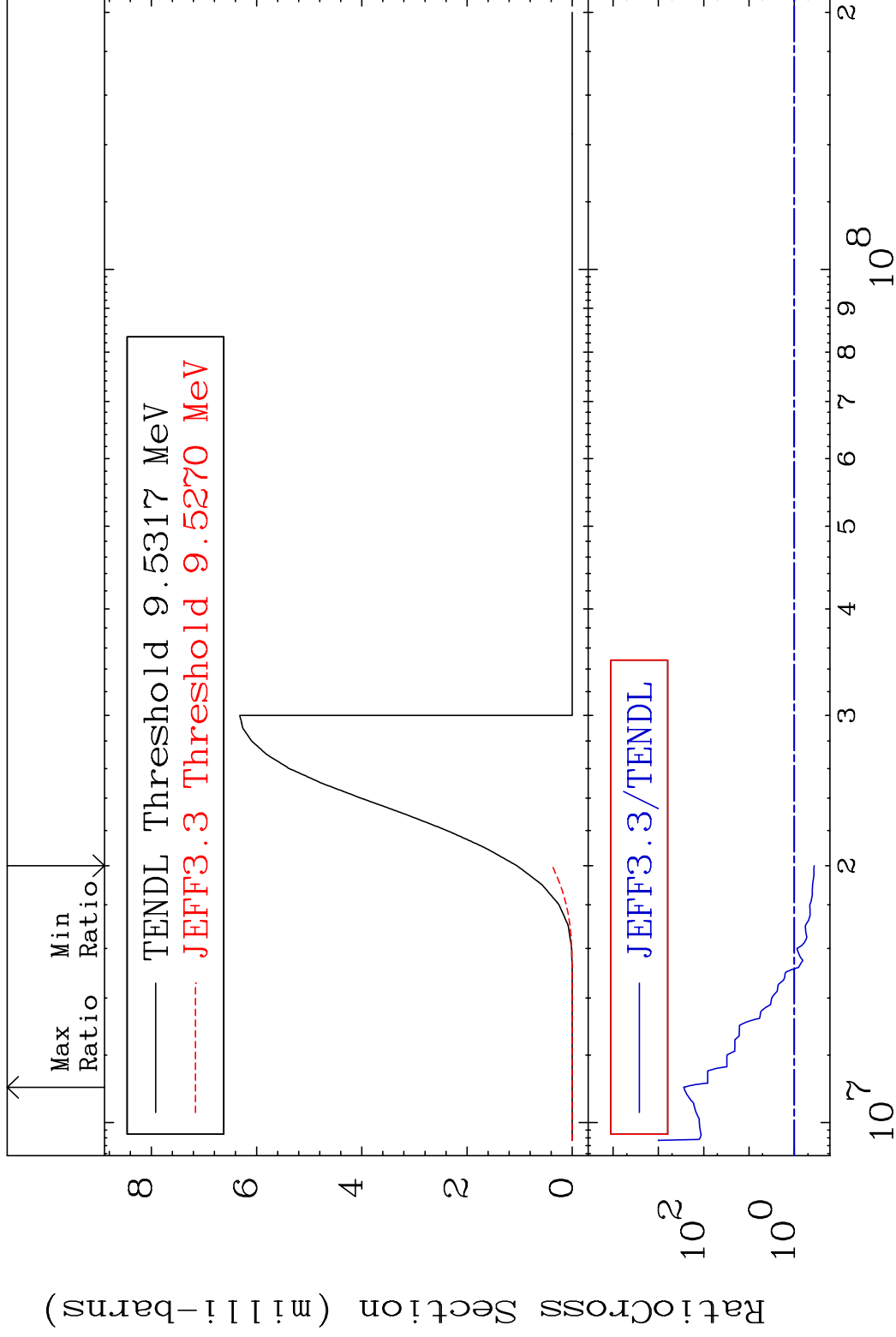


MAT 5031

(n, t)

50-Sn-114

Cross Section -63.55 To 9999. %



32

Incident Energy (eV)

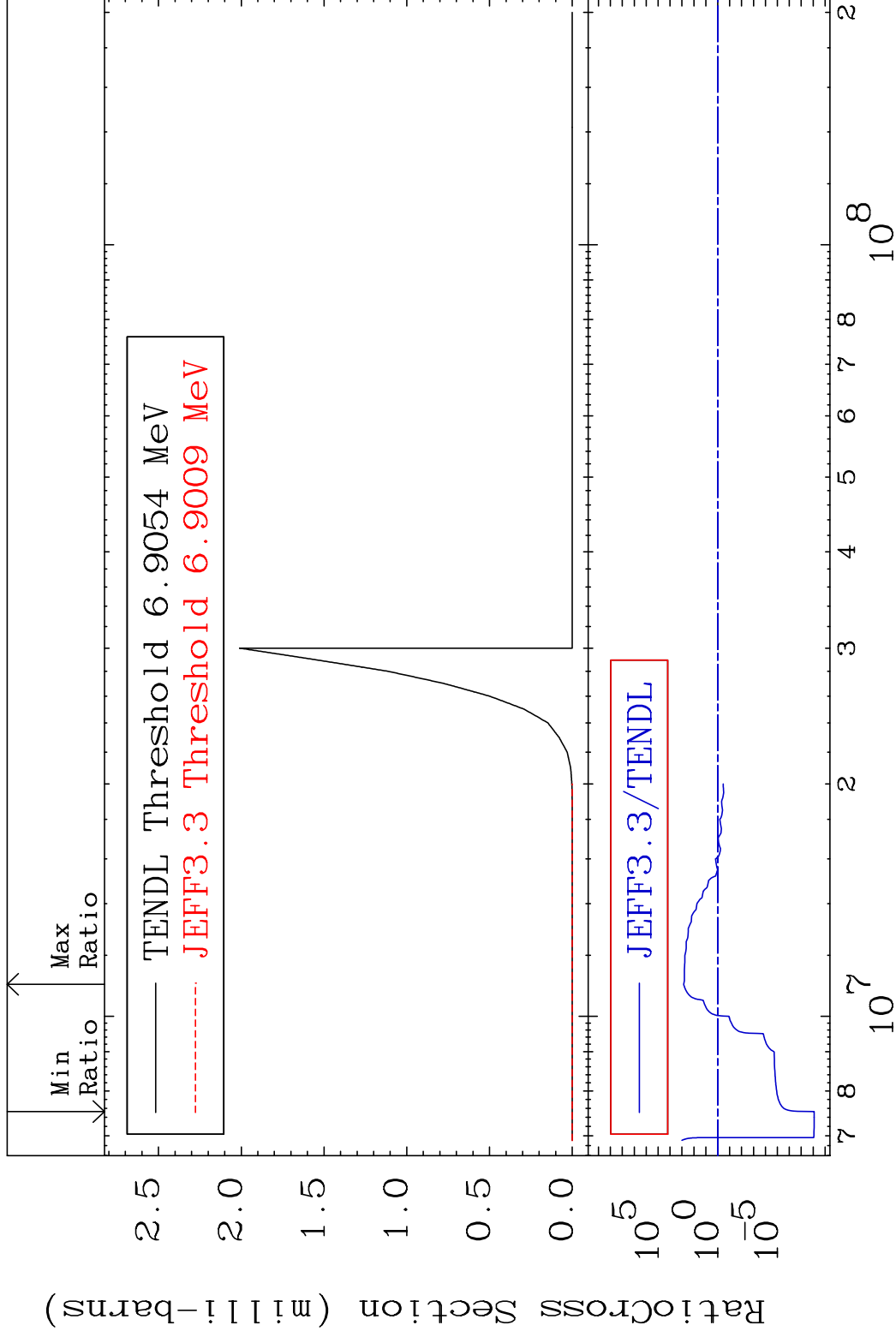
50-Sn-114

MAT 5031

(n, He-3)

50-Sn-114

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

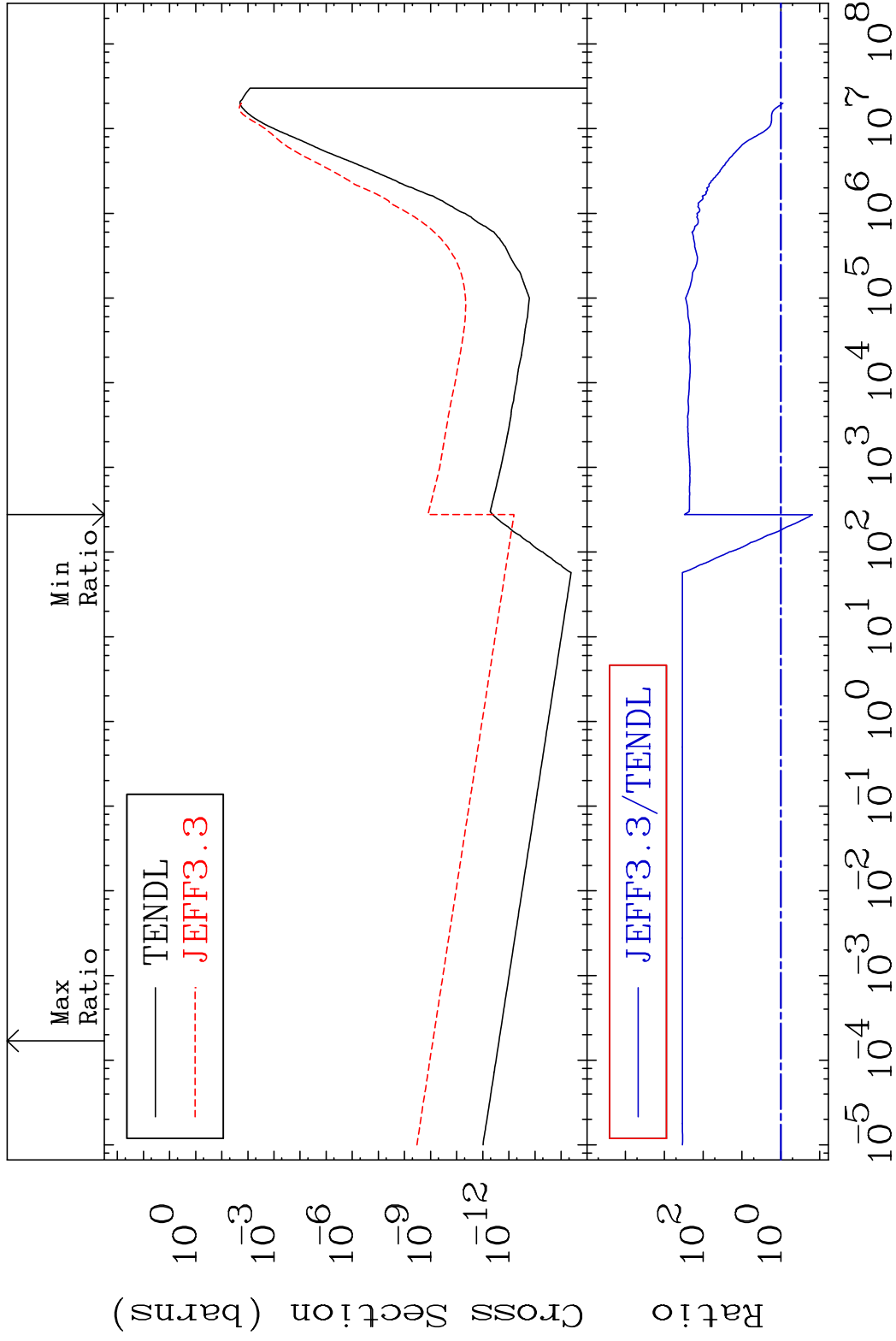
50-Sn-114

MAT 5031

(n,  $\alpha$ )

50-Sn-114

Cross Section -84.73 To 9999. %

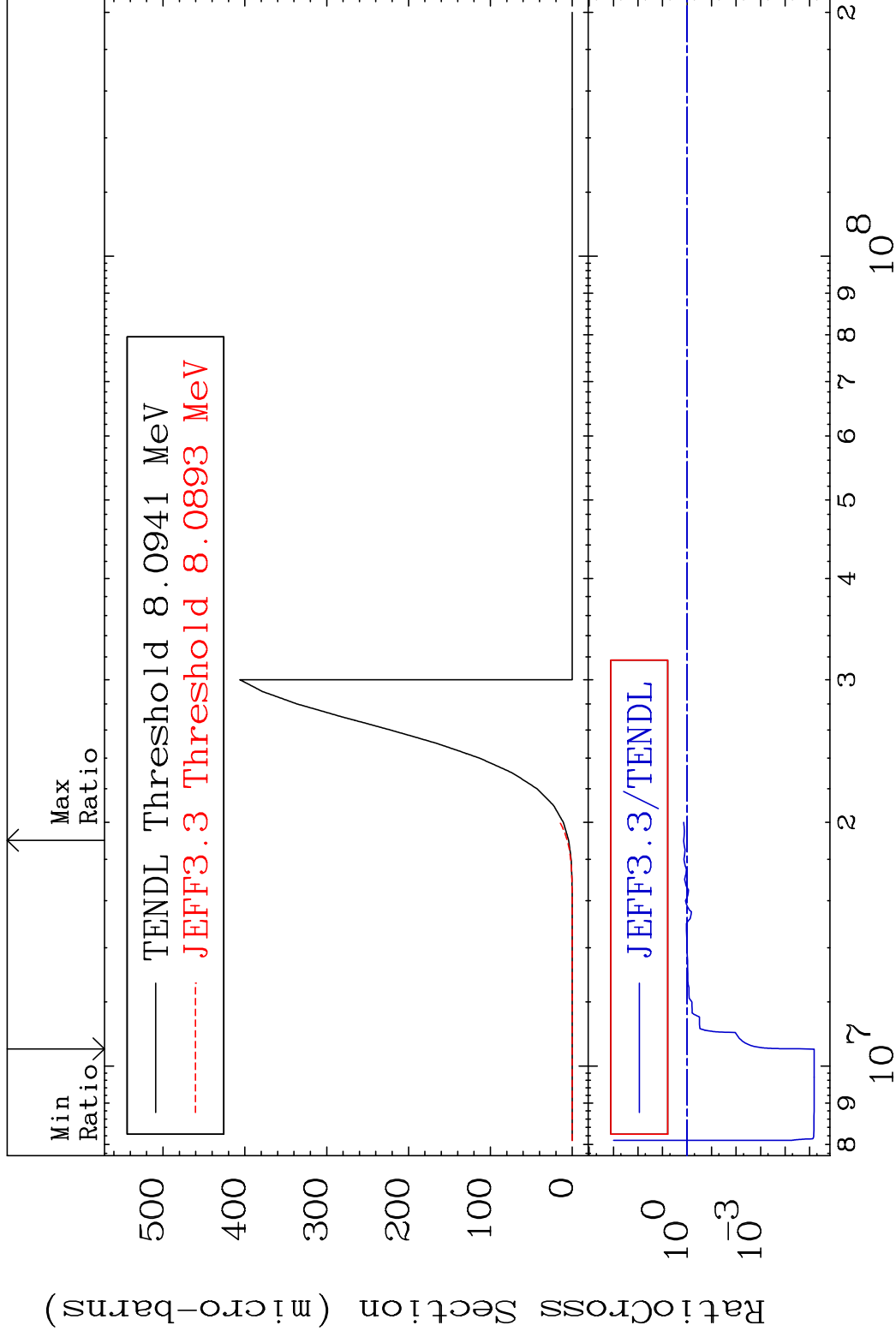


MAT 5031

(n,2p)

50-Sn-114

Cross Section -100.0 To 37.71 %

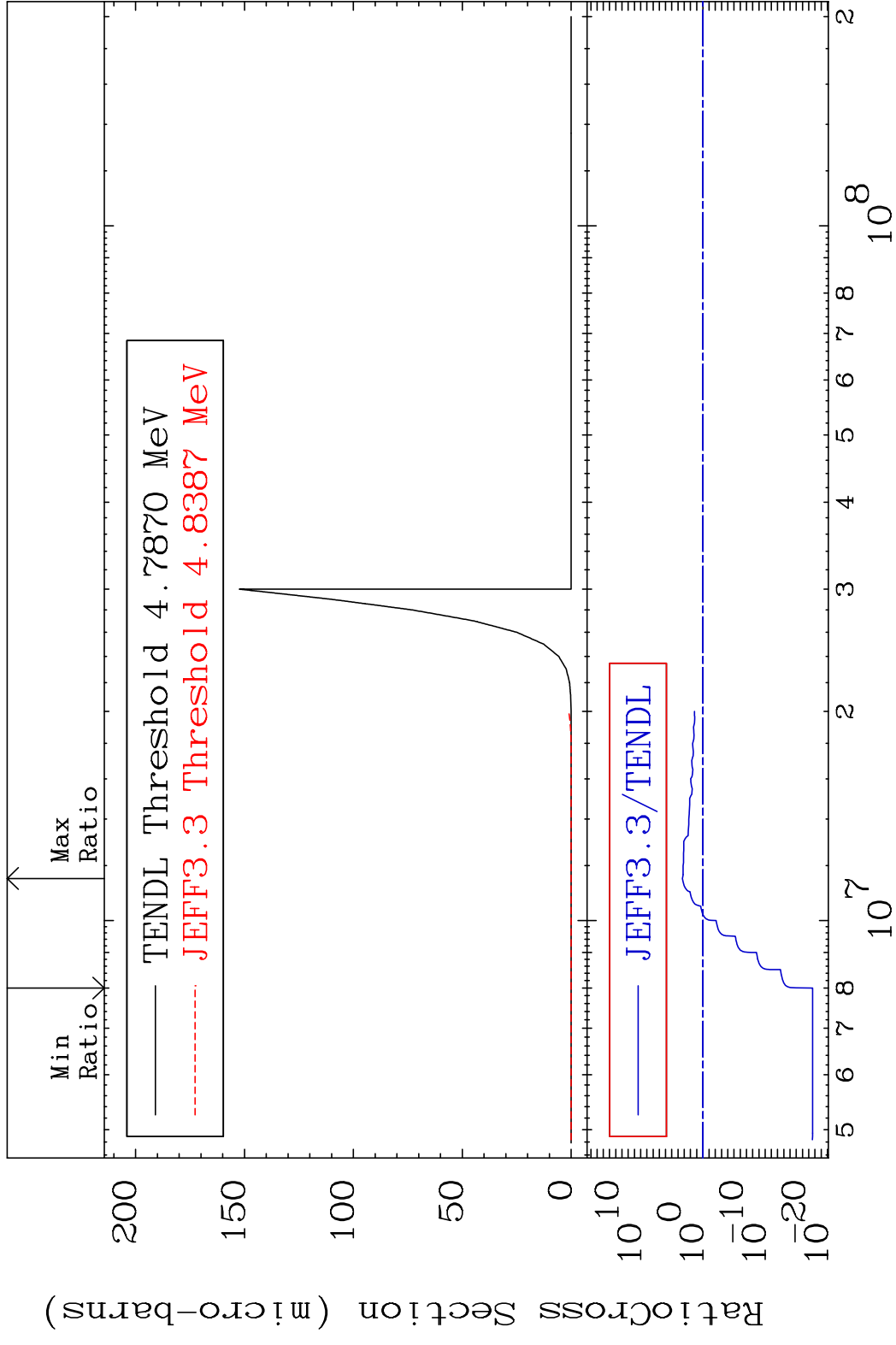


35

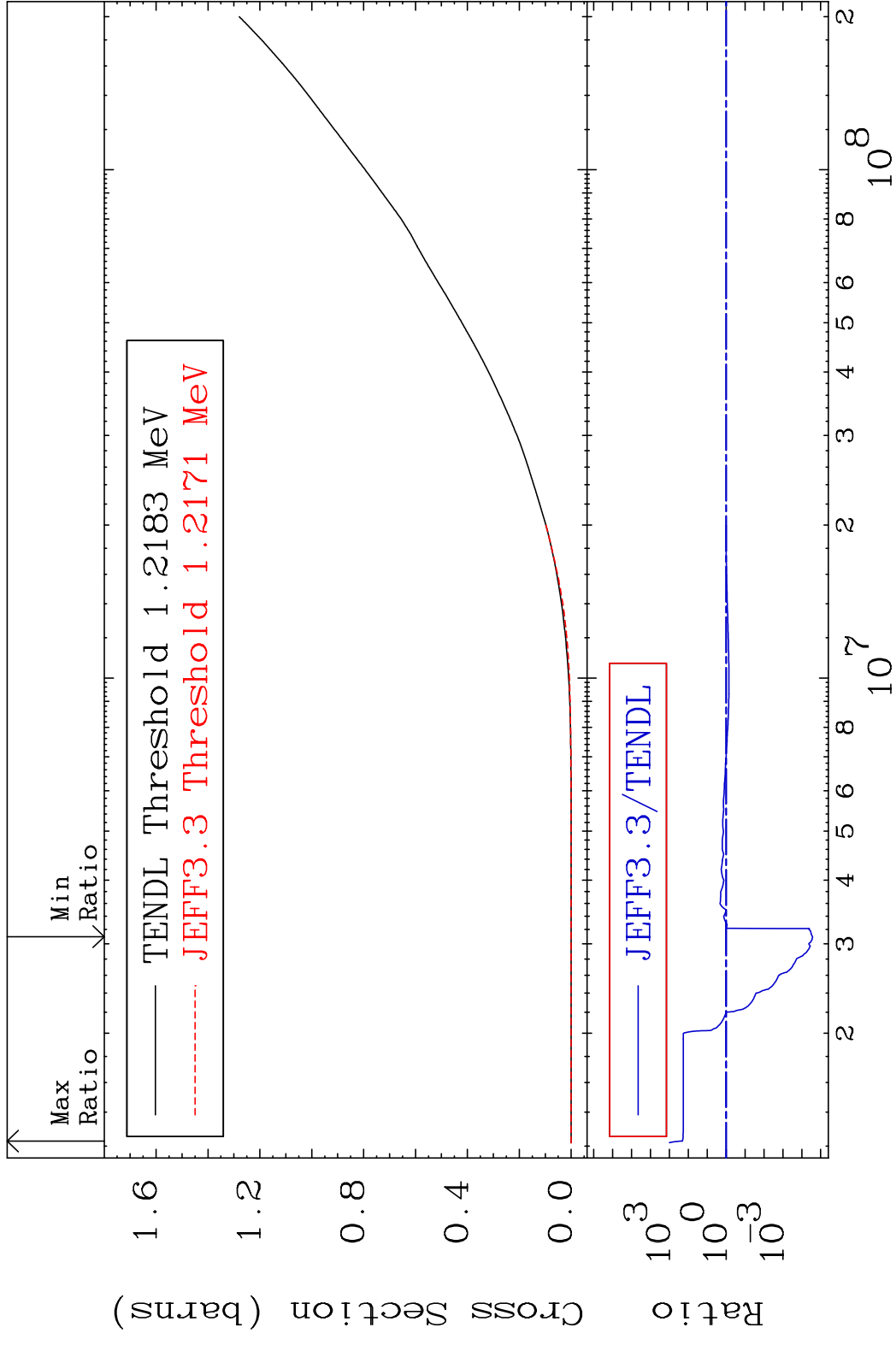
Incident Energy (eV)

50-Sn-114

MAT 5031 (n,p)  $\alpha$  50-Sn-114  
 Cross Section -100.0 To 9999. %



MAT 5031 Hydrogen Production 50-Sn-114  
 Cross Section -100.0 To 9999. %

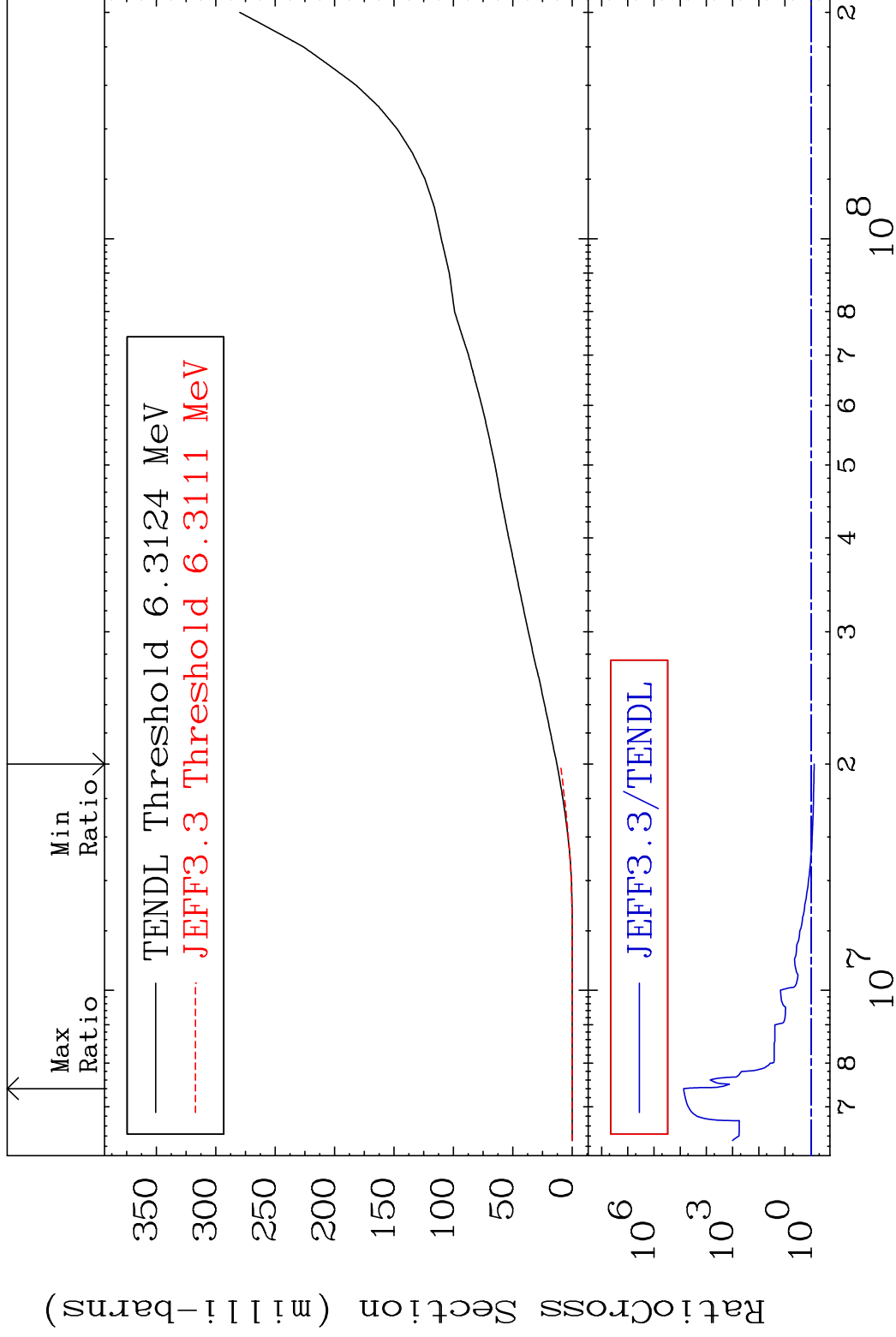


MAT 5031

Deuterium Production

50-Sn-114

Cross Section -22.43 To 9999. %



38

Incident Energy (eV)

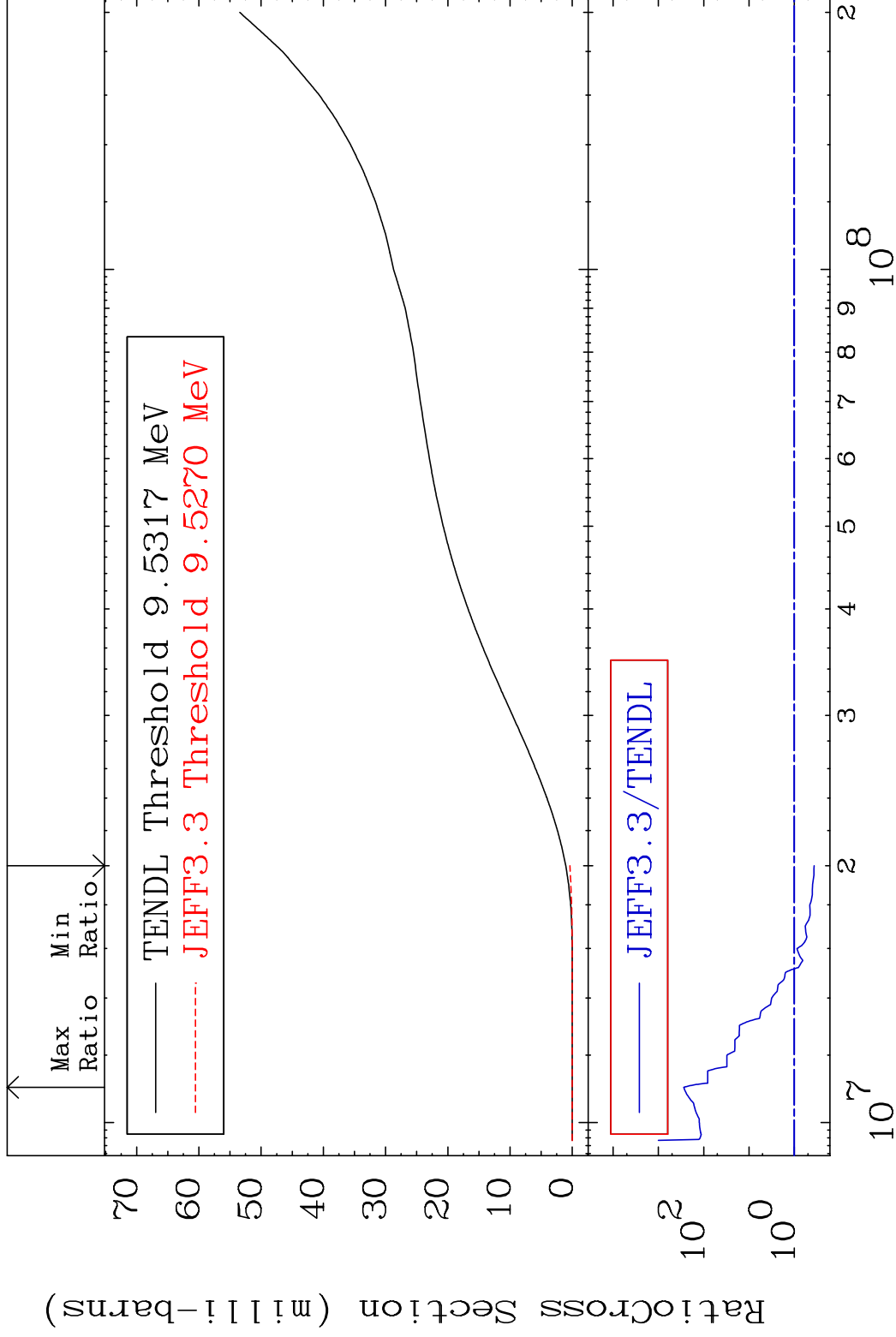
50-Sn-114

MAT 5031

Tritium Production

50-Sn-114

Cross Section -63.55 To 9999. %



39

Incident Energy (eV)

50-Sn-114

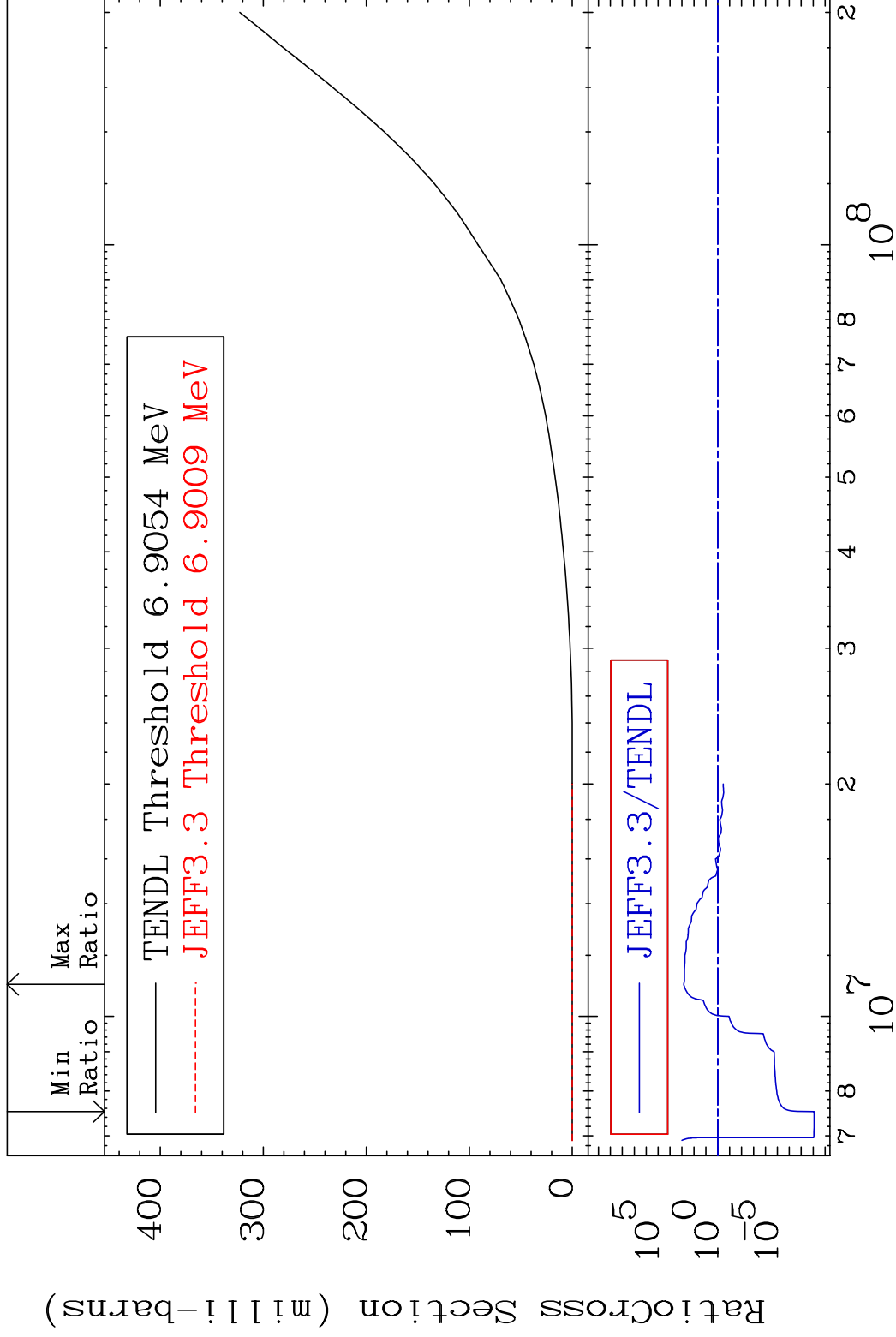


MAT 5031

He-3 Production

50-Sn-114

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

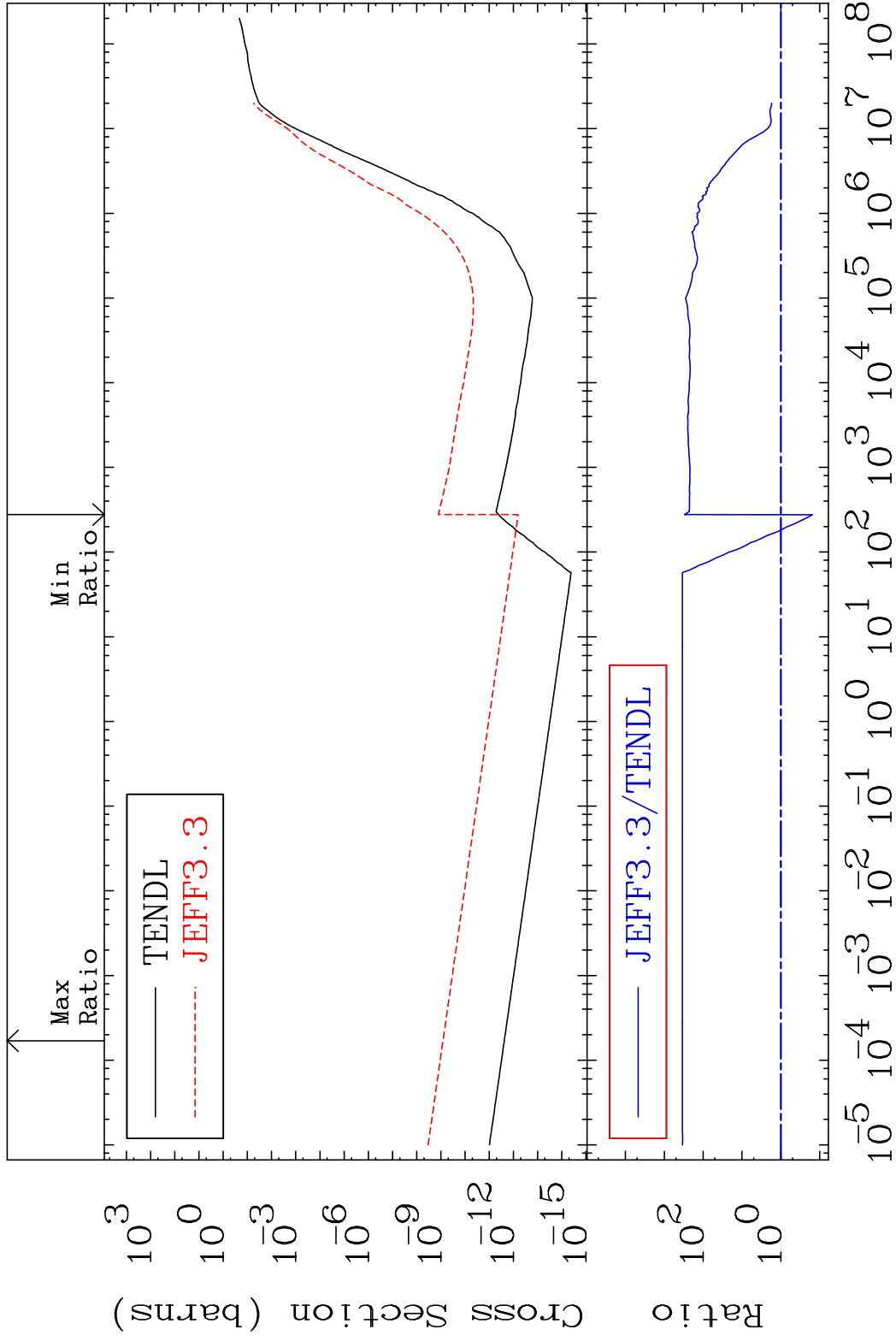
50-Sn-114

MAT 5031

He-4 Production

50-Sn-114

Cross Section -84.73 To 9999. %

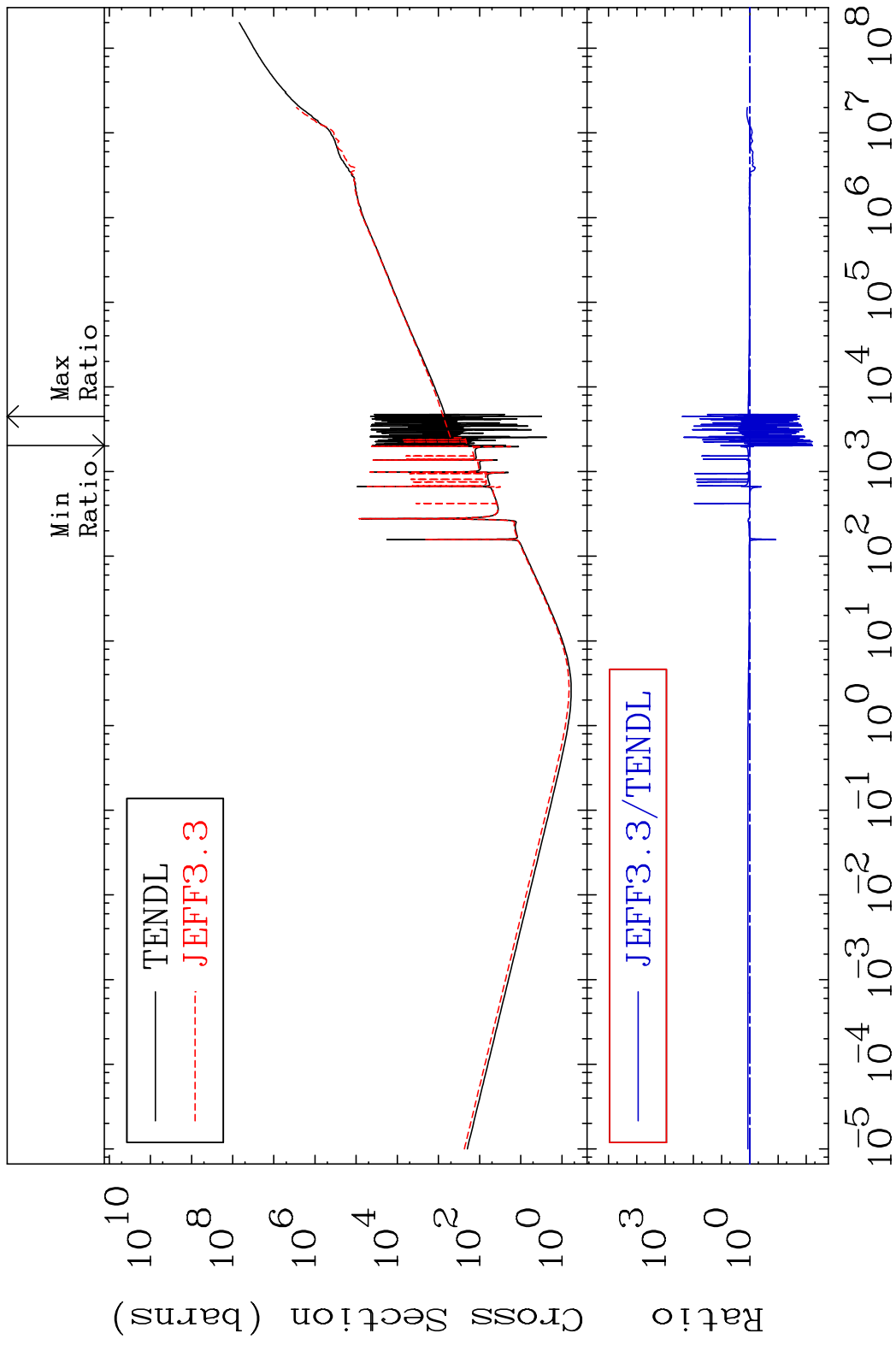


41

Incident Energy (eV)

50-Sn-114

MAT 5031 Kerma total (eV-barns) 50-Sn-114  
 Cross Section -99.40 To 9999. %

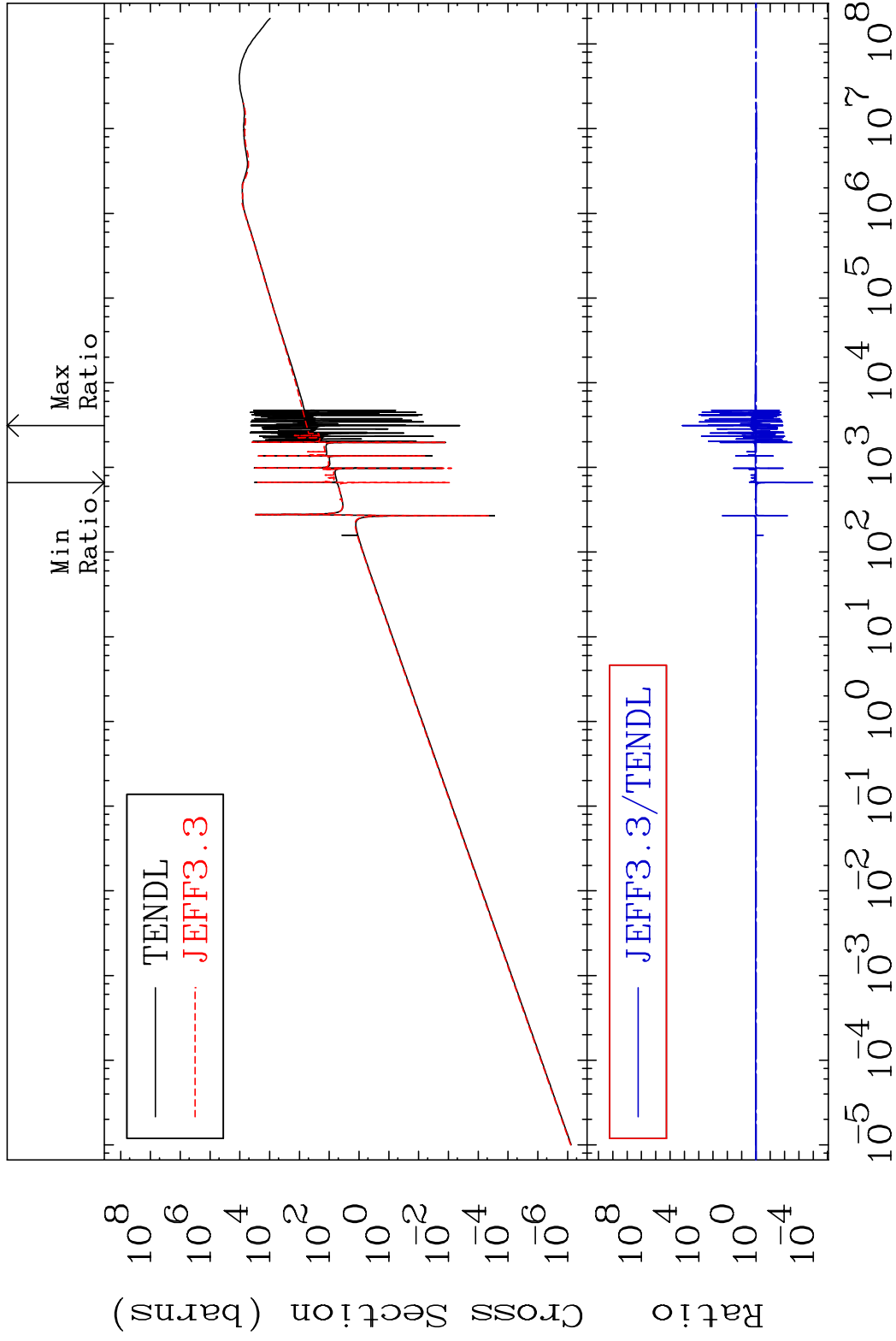


MAT 5031

Kerma elastic

50-Sn-114

Cross Section -99.99 To 9999. %

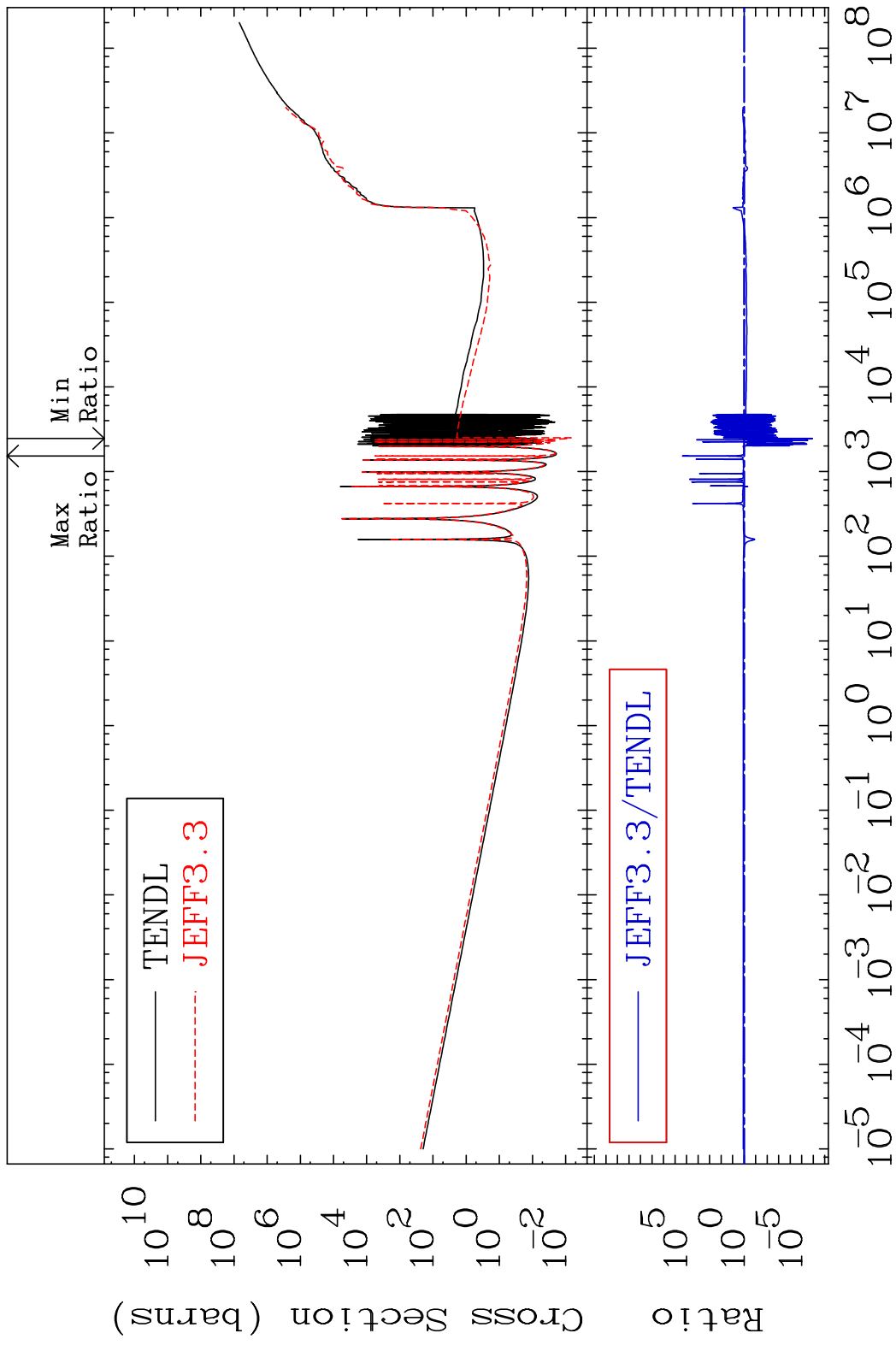


43

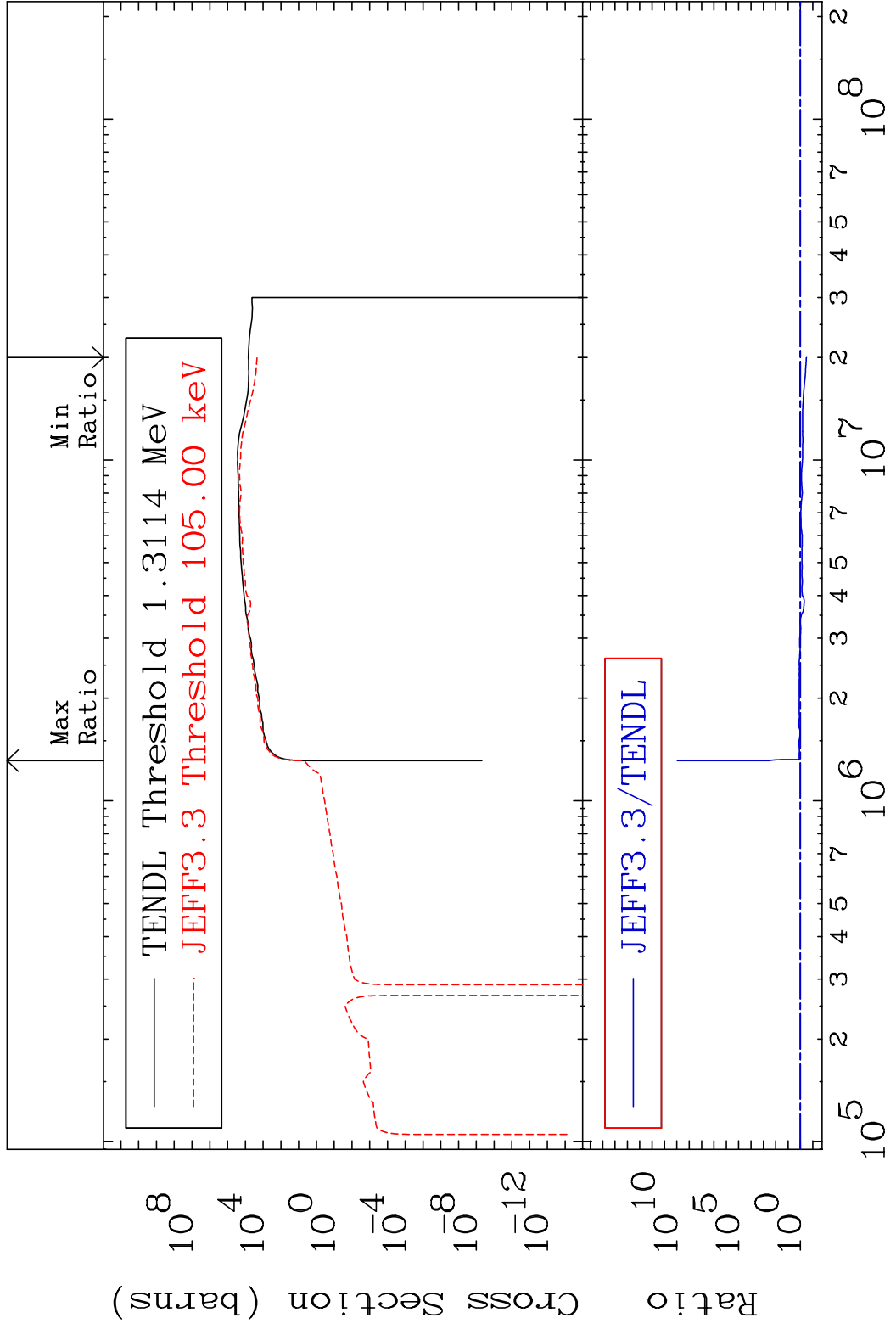
Incident Energy (eV)

50-Sn-114

MAT 5031 Kerma non-elastic (all but mt2) 50-Sn-114  
 Cross Section -100.0 To 9999. %

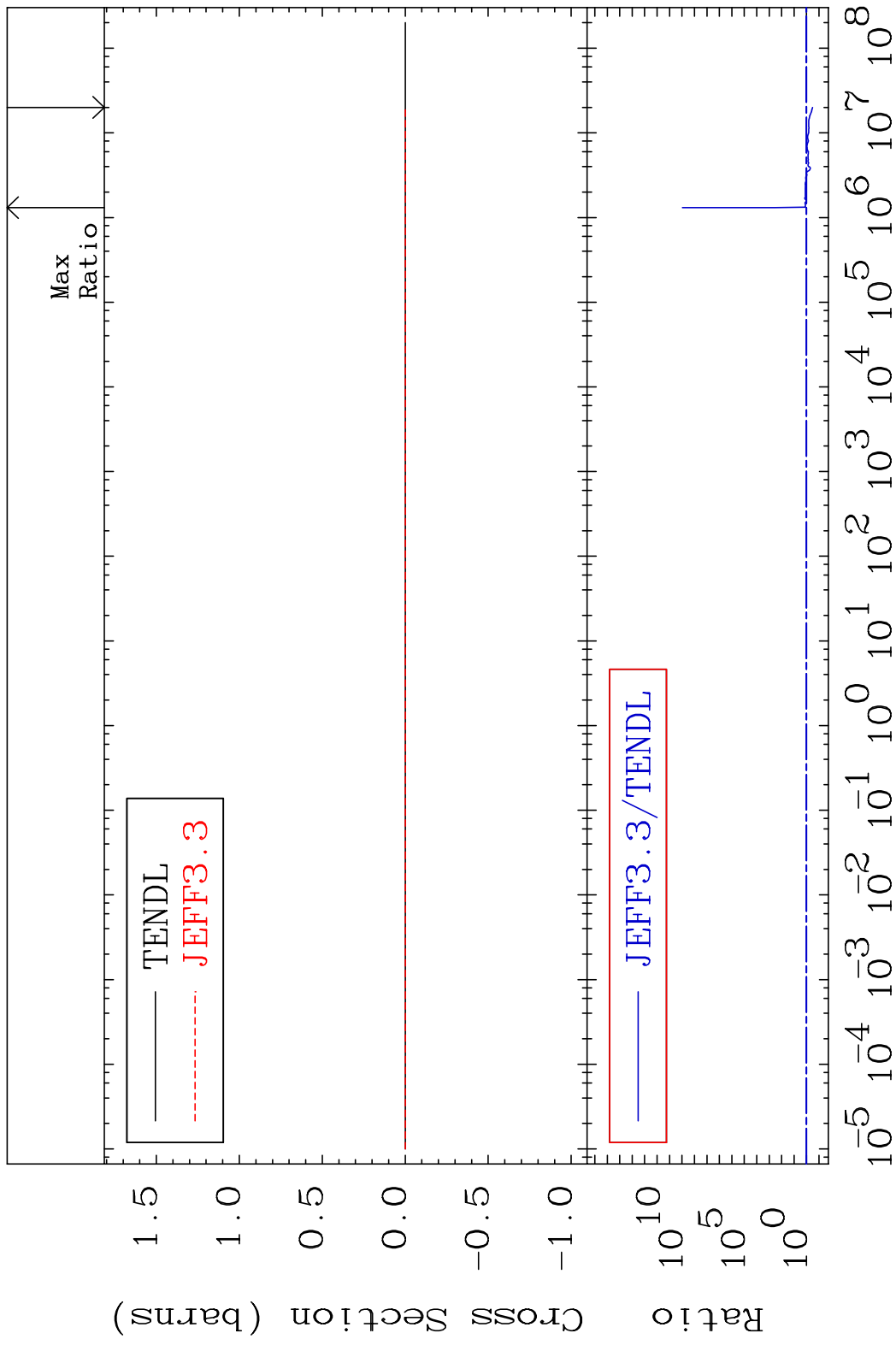


MAT 5031 Kerma inelastic (mt51-91) 50-Sn-114  
 Cross Section -67.00 To 9999. %



45 50-Sn-114

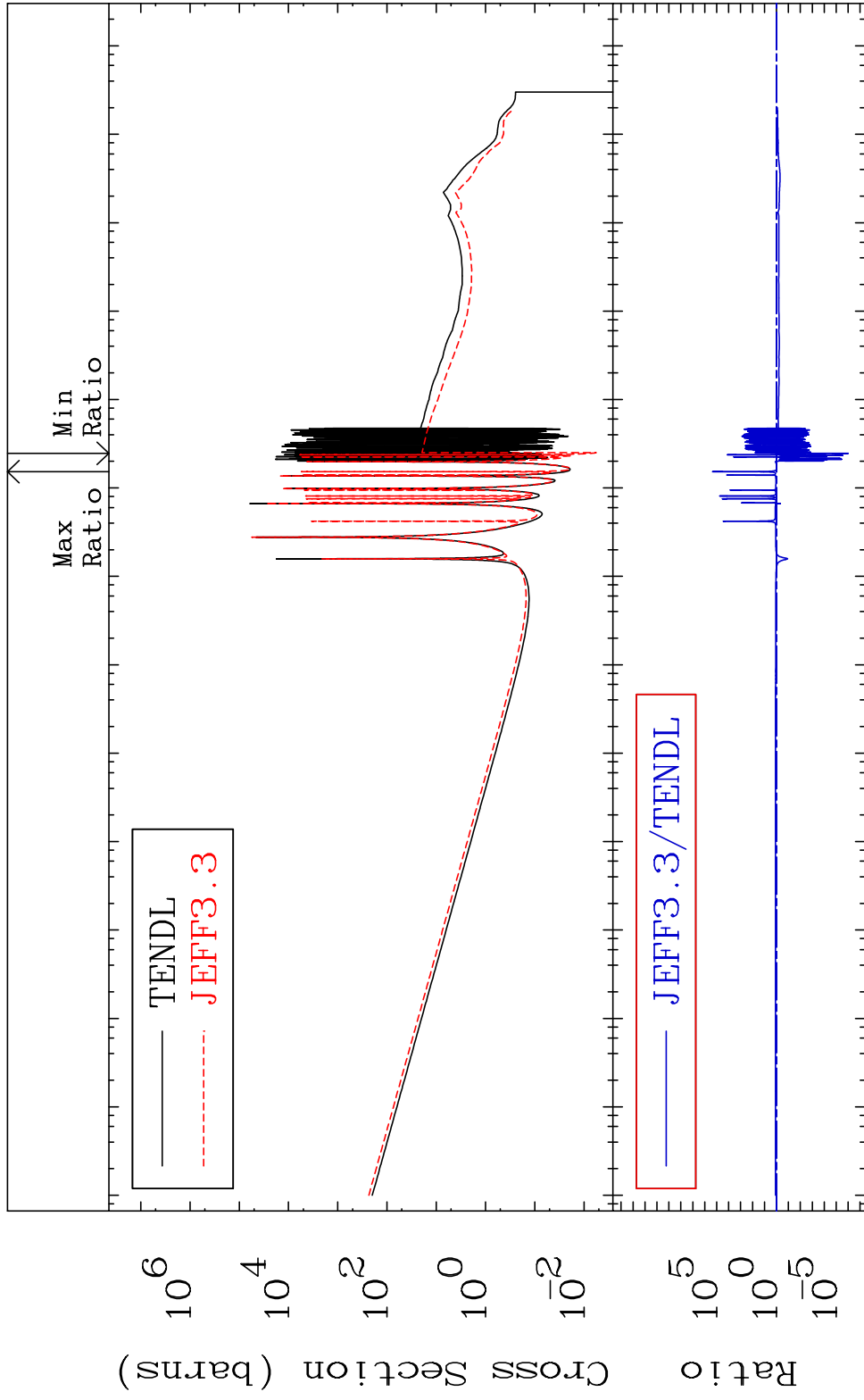
MAT 5031 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-114  
 Cross Section -67.00 To 9999. %



MAT 5031

Kerma capture (mt102) 50-Sn-114

Cross Section -100.0 To 9999. %



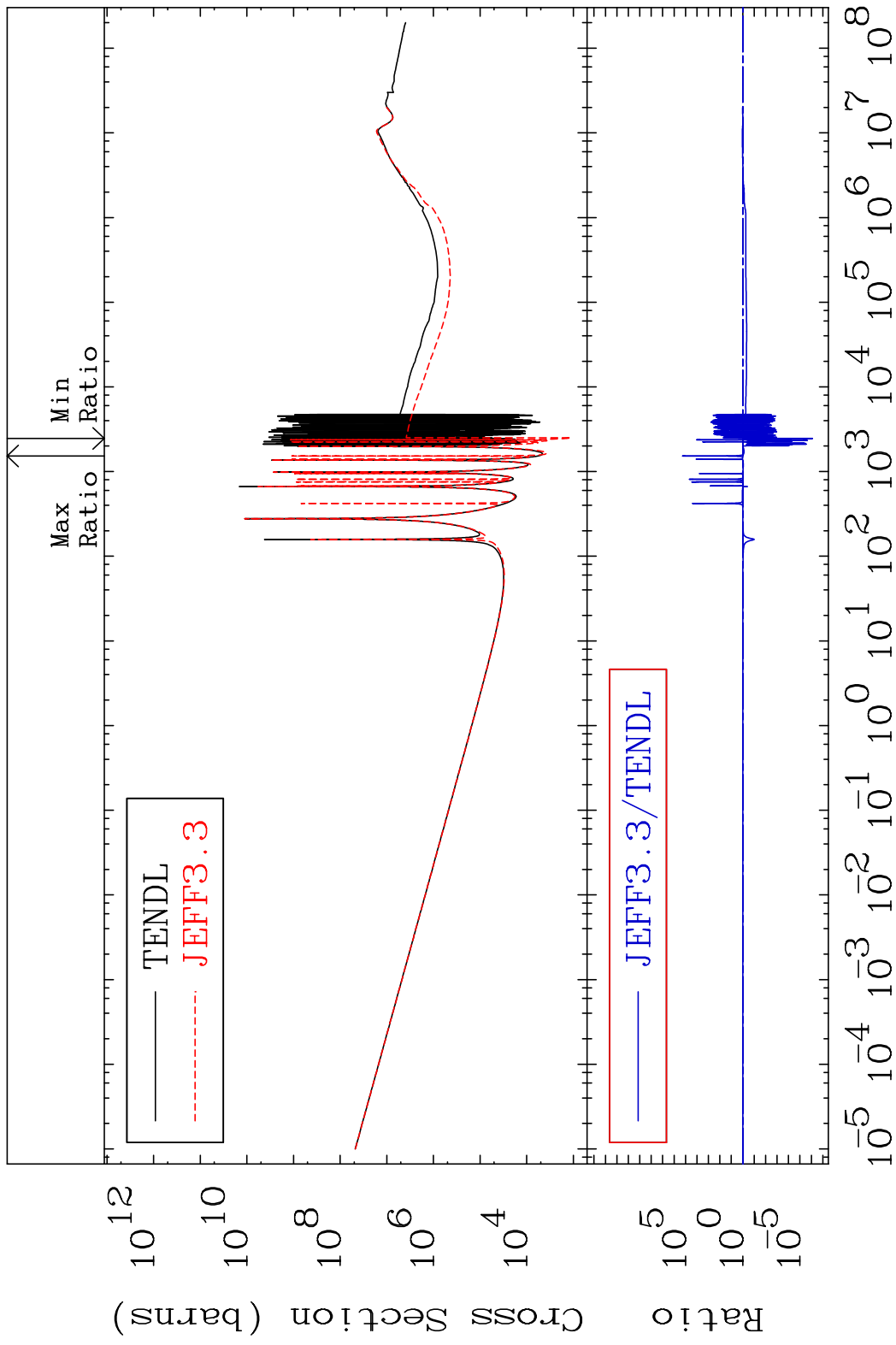
47

Incident Energy (eV)

50-Sn-114

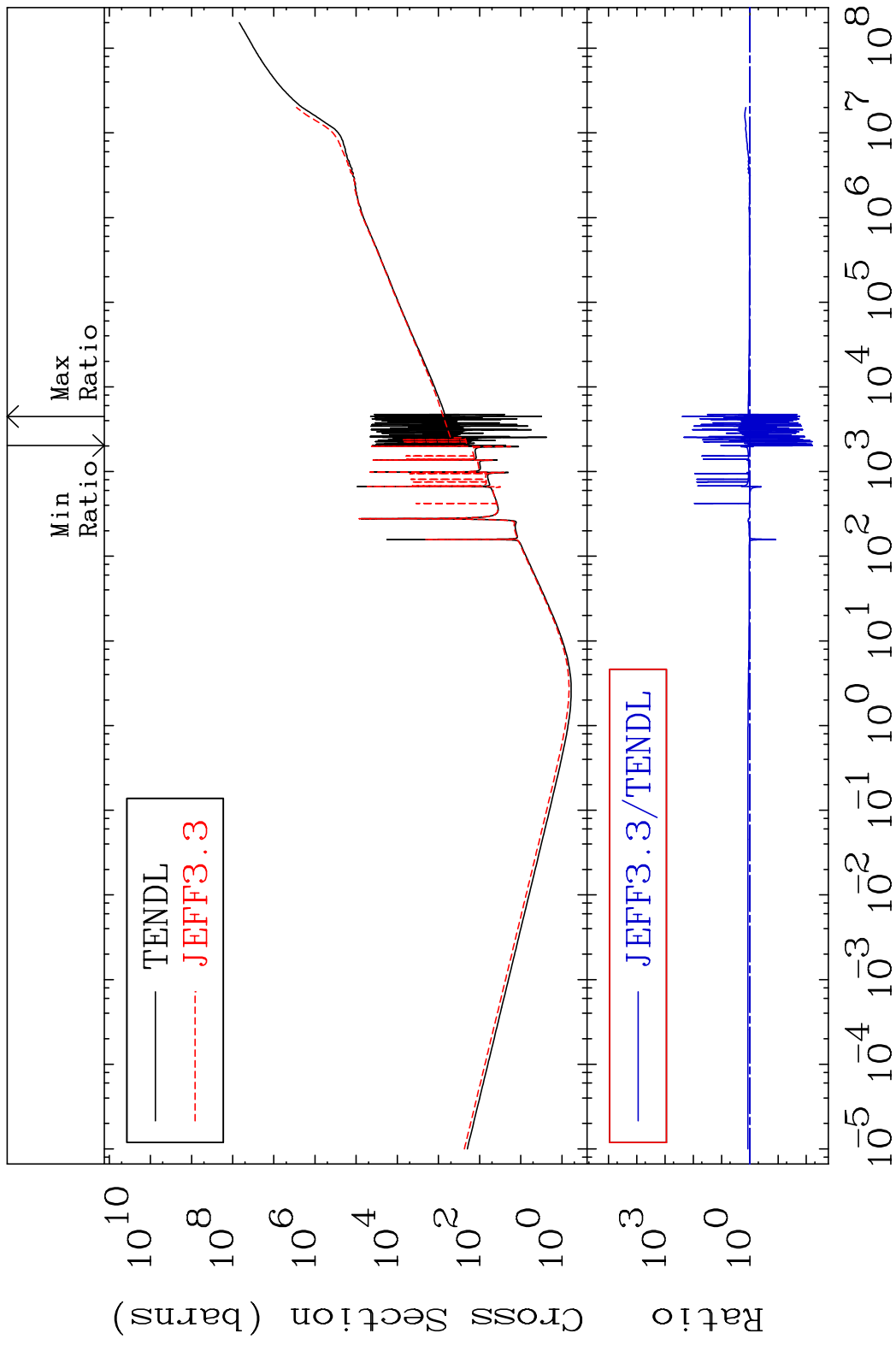


MAT 5031 Total photon (eV-barns) 50-Sn-114  
 Cross Section -100.0 To 9999. %



48 Incident Energy (eV) 50-Sn-114

MAT 5031 Total kinematic kerma (high limit) 50-Sn-114  
 Cross Section -99.40 To 9999. %

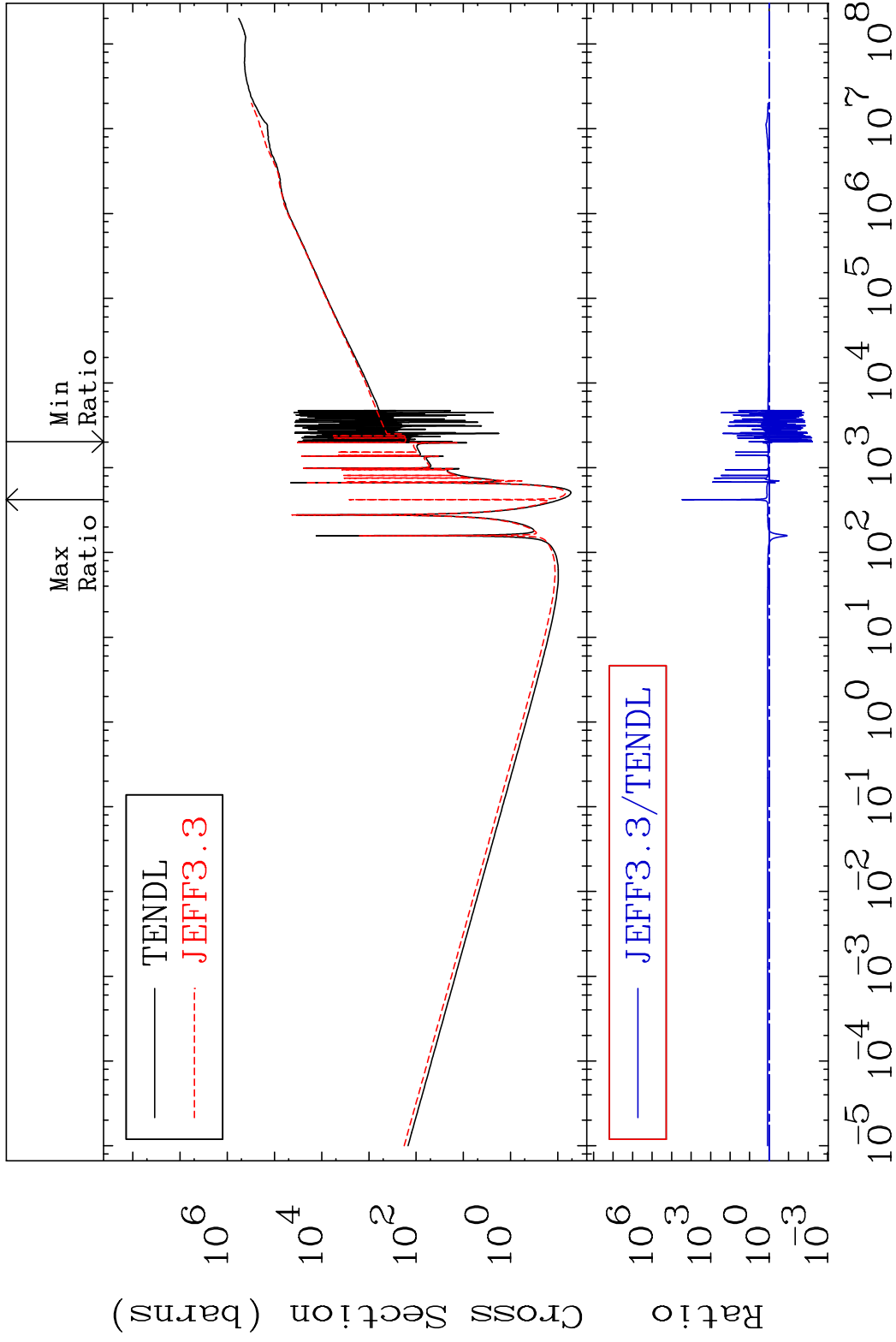


MAT 5031

Dpa total (eV-barns)

50-Sn-114

Cross Section -99.40 To 9999. %



50

Incident Energy (eV)

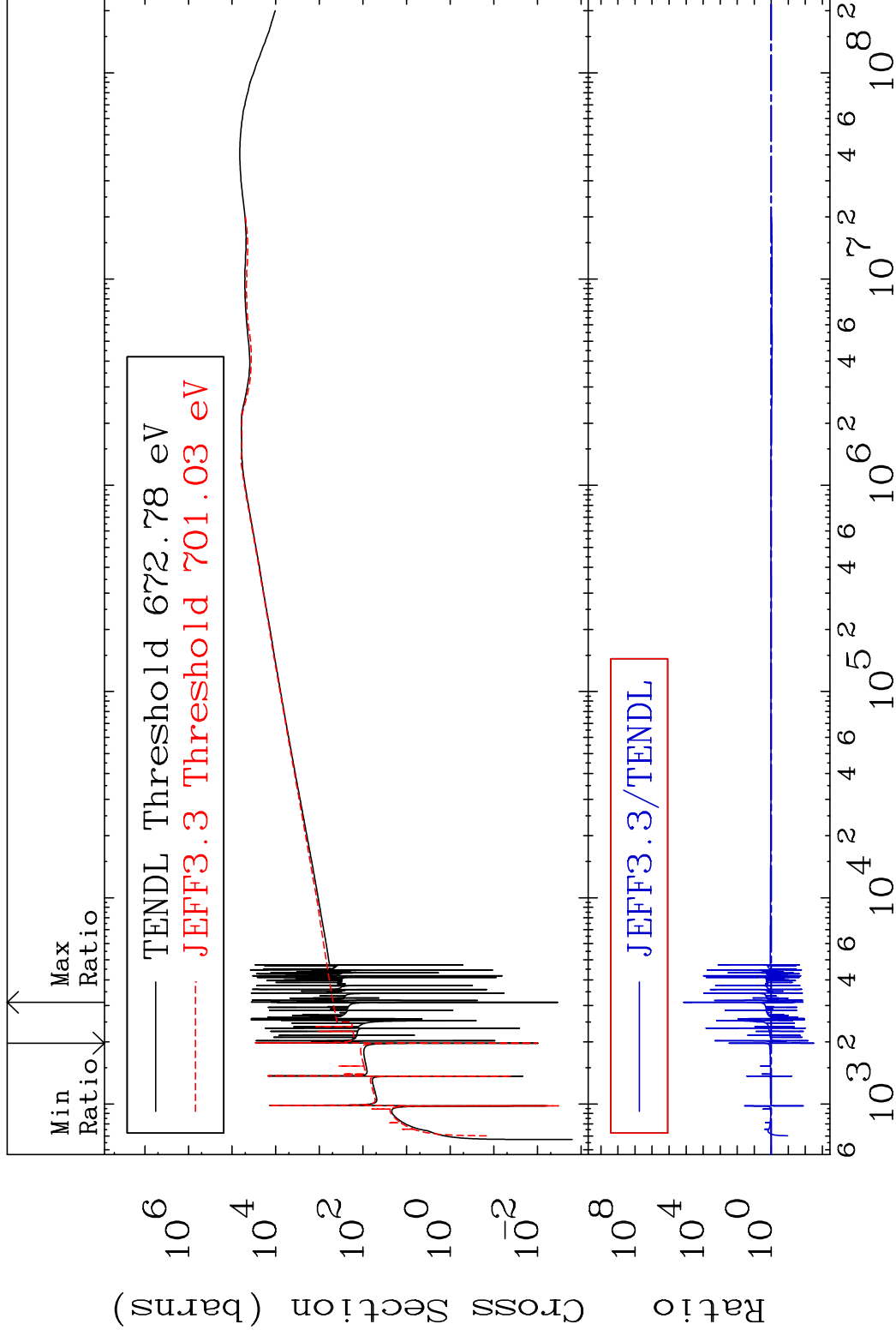
50-Sn-114

MAT 5031

Dpa elastic (mt2)

50-Sn-114

Cross Section -99.70 To 9999. %

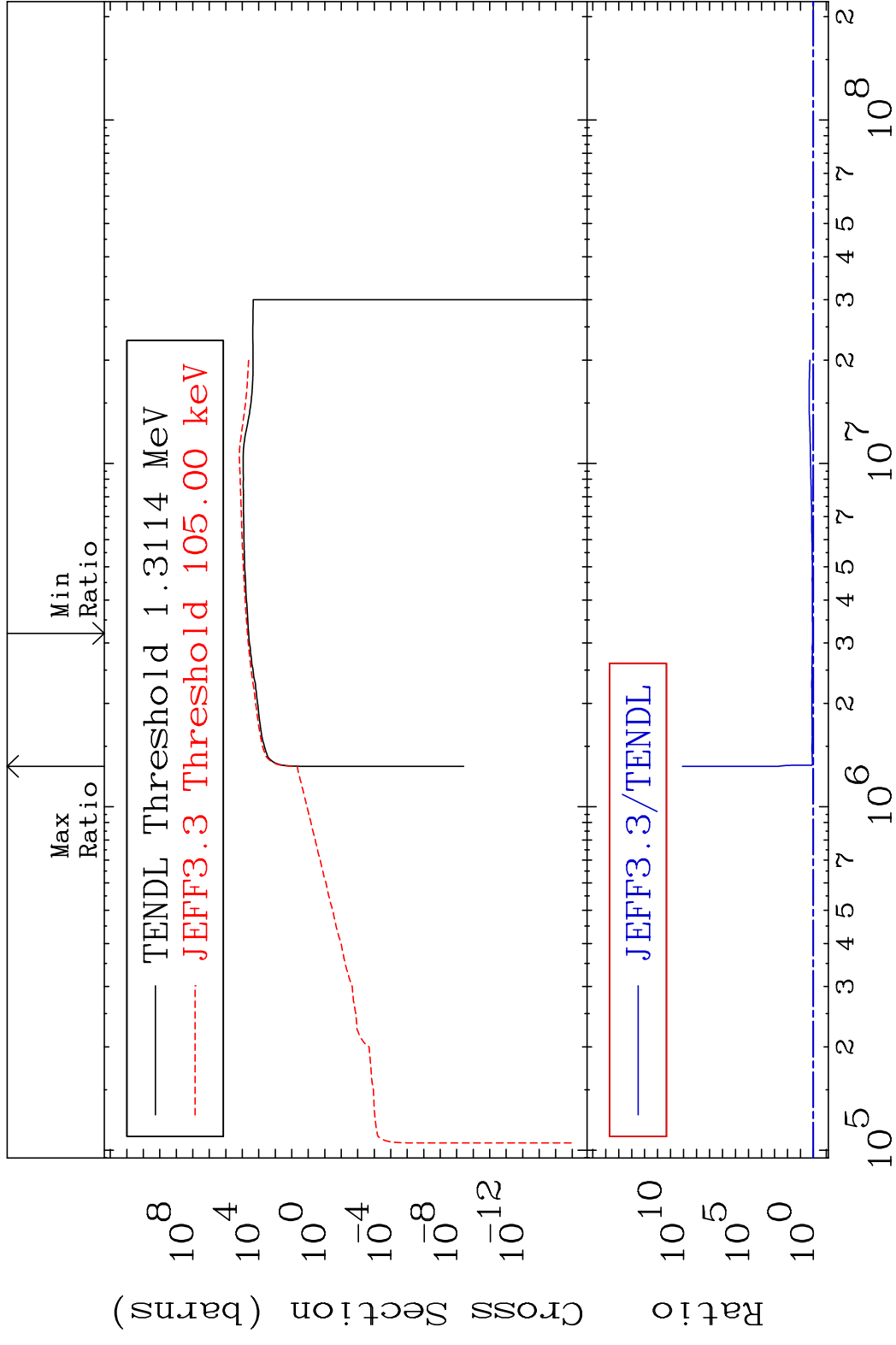


51

Incident Energy (eV)

50-Sn-114

MAT 5031 Dpa inelastic (mt51-91) 50-Sn-114  
 Cross Section 15.94 To 9999. %



MAT 5031 Dpa disappearance (mt102 -120) 50-Sn-114  
 Cross Section -100.0 To 9999. %

