

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

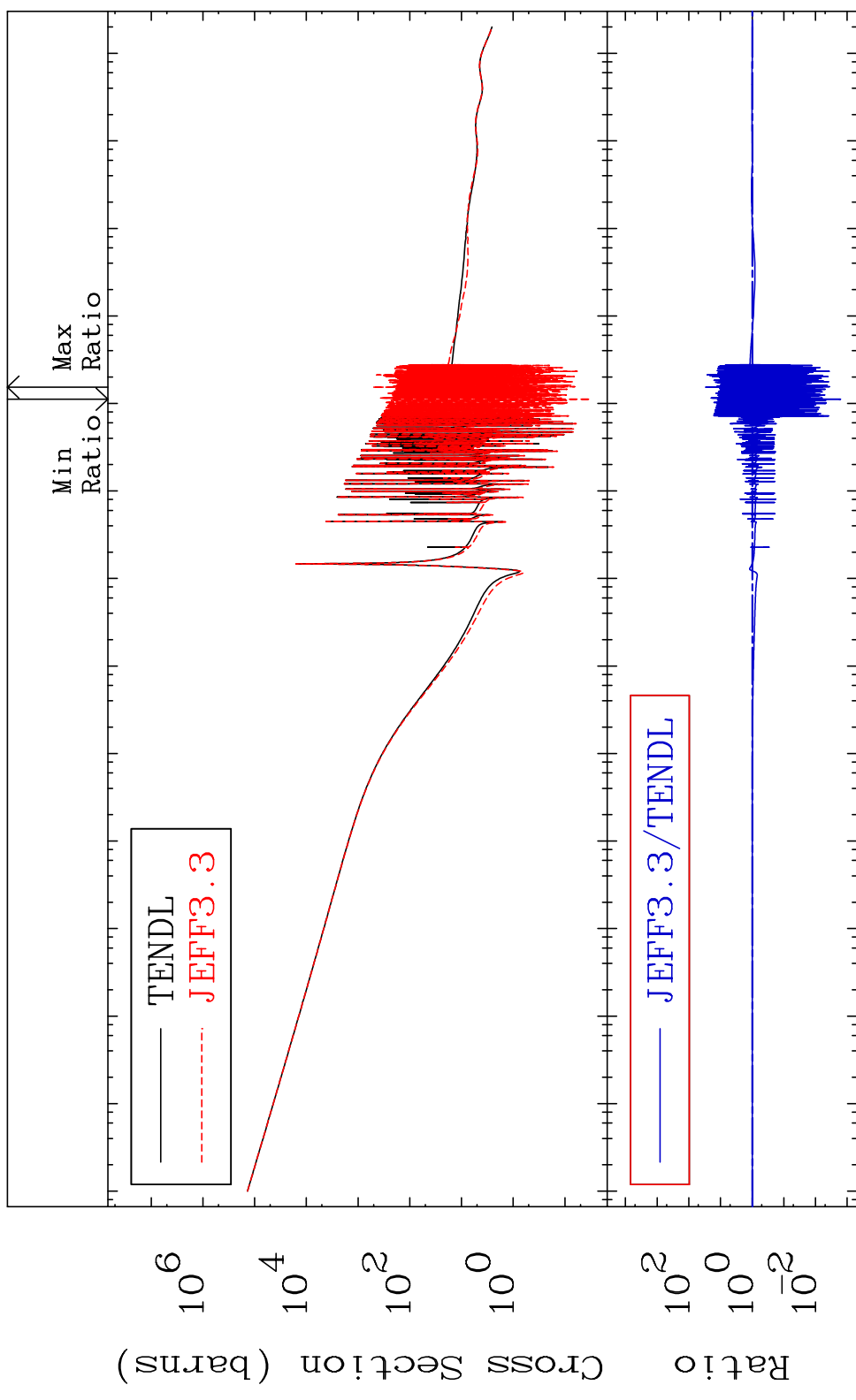
MAT 6649

Total

66-Dy-164

Cross Section

-99.84 To 2815. %



1

Incident Energy (eV)

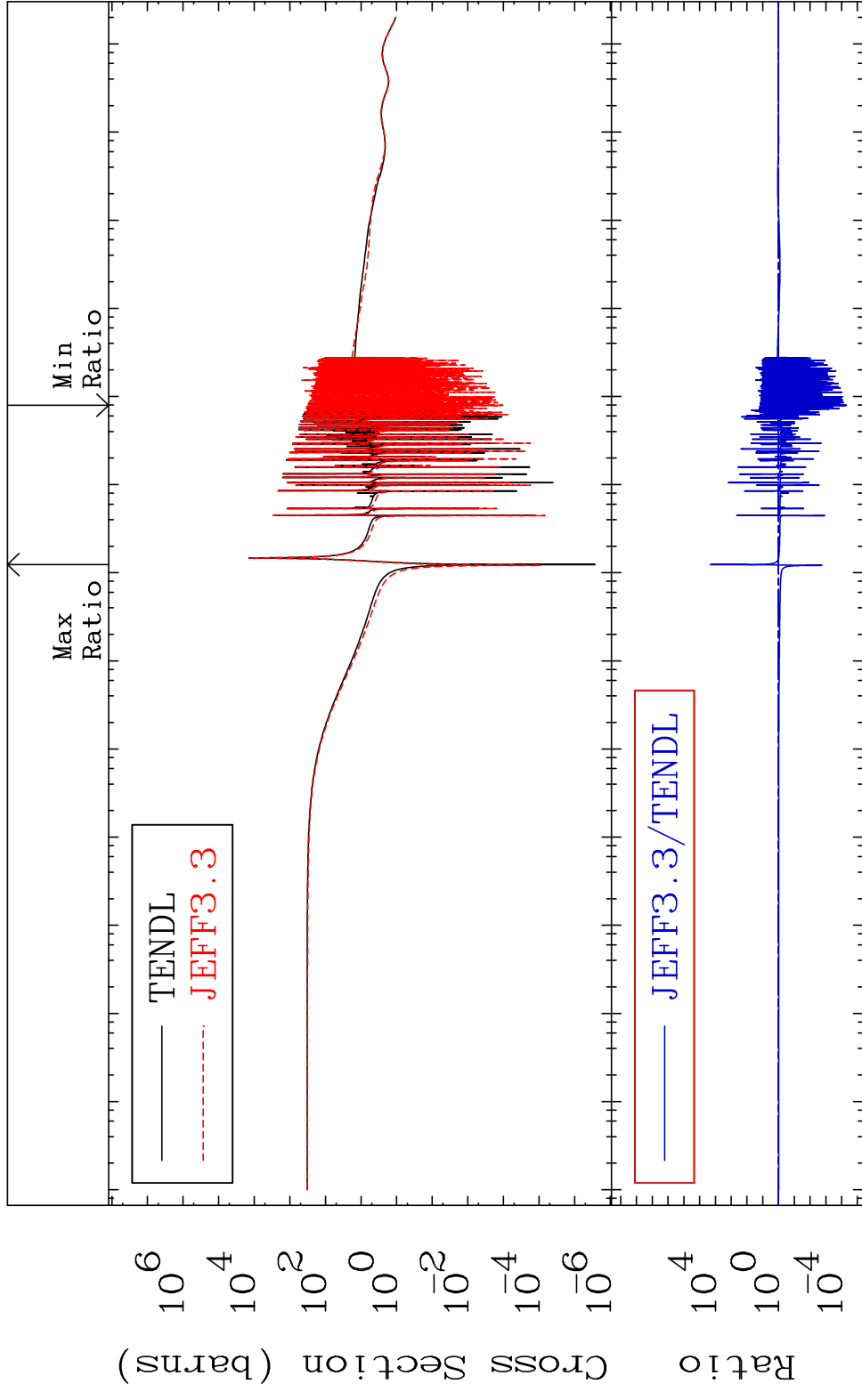
66-Dy-164

MAT 6649

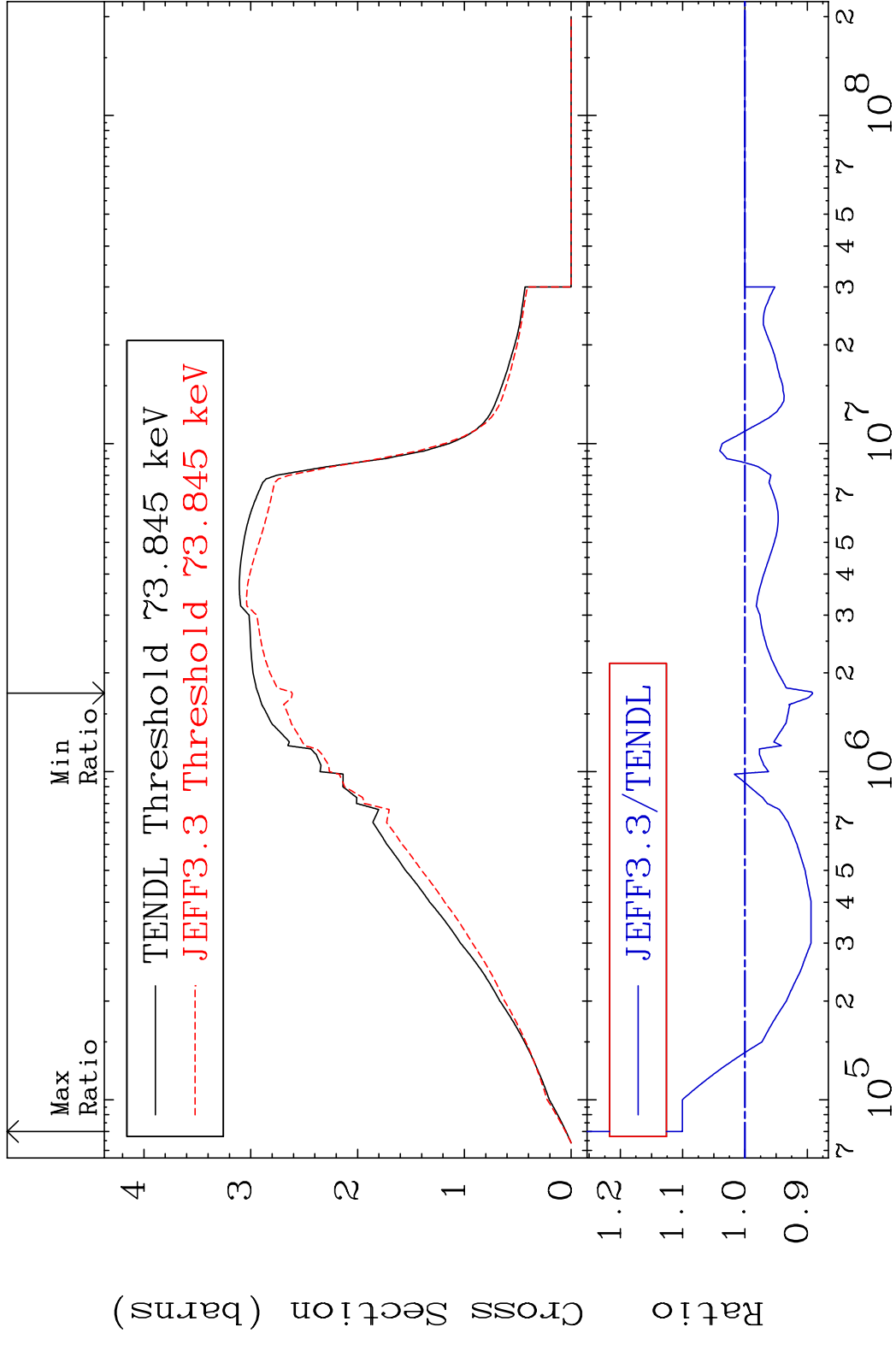
66-Dy-164

Elastic

Cross Section -99.99 To 9999. %



MAT 6649 Inelastic 66-Dy-164
 Cross Section -10.85 To 10.05 %



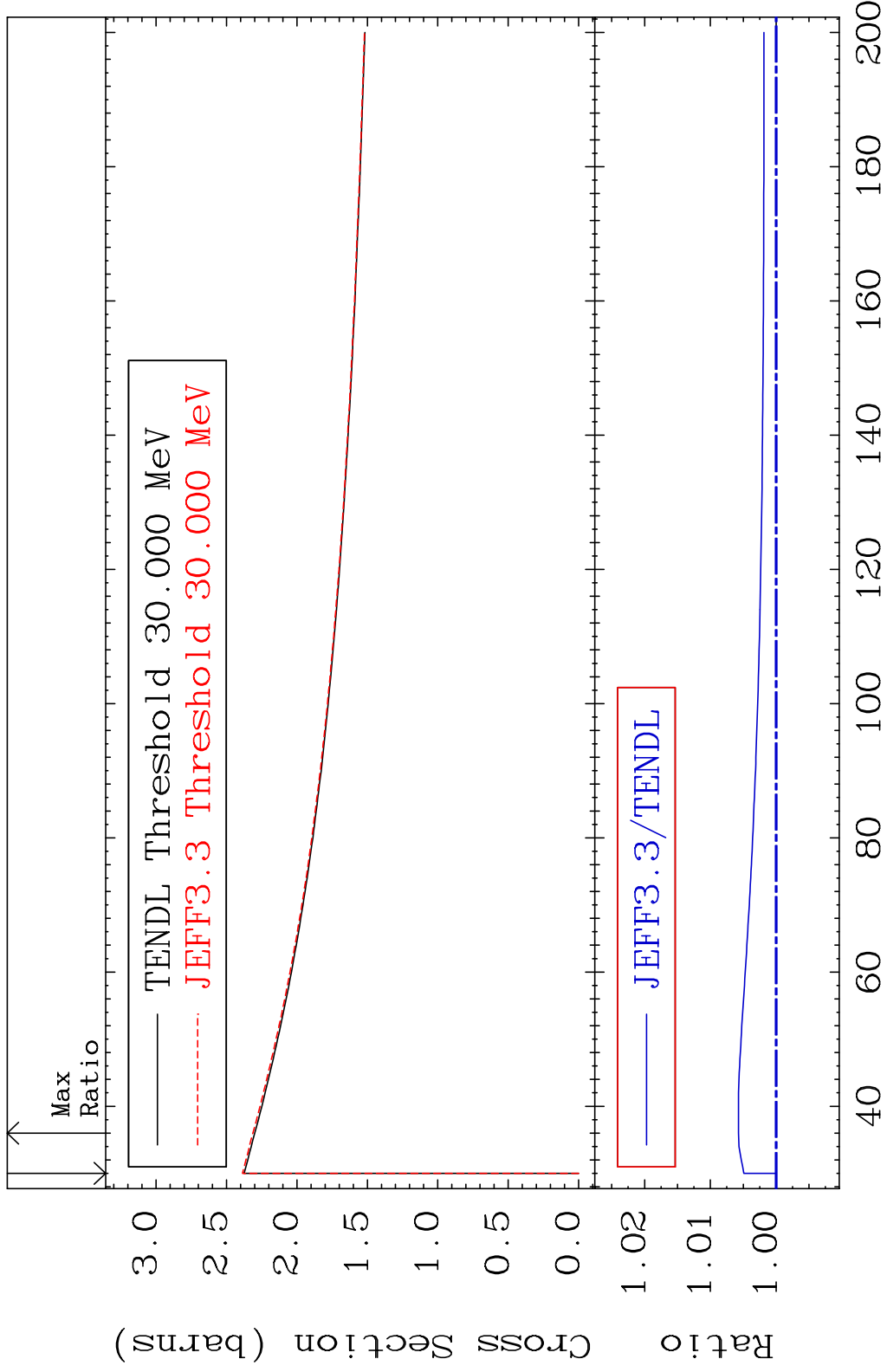
3 Incident Energy (eV) 66-Dy-164

MAT 6649

(n, remainder)

66-Dy-164

Cross Section 0.000 To 0.574 %

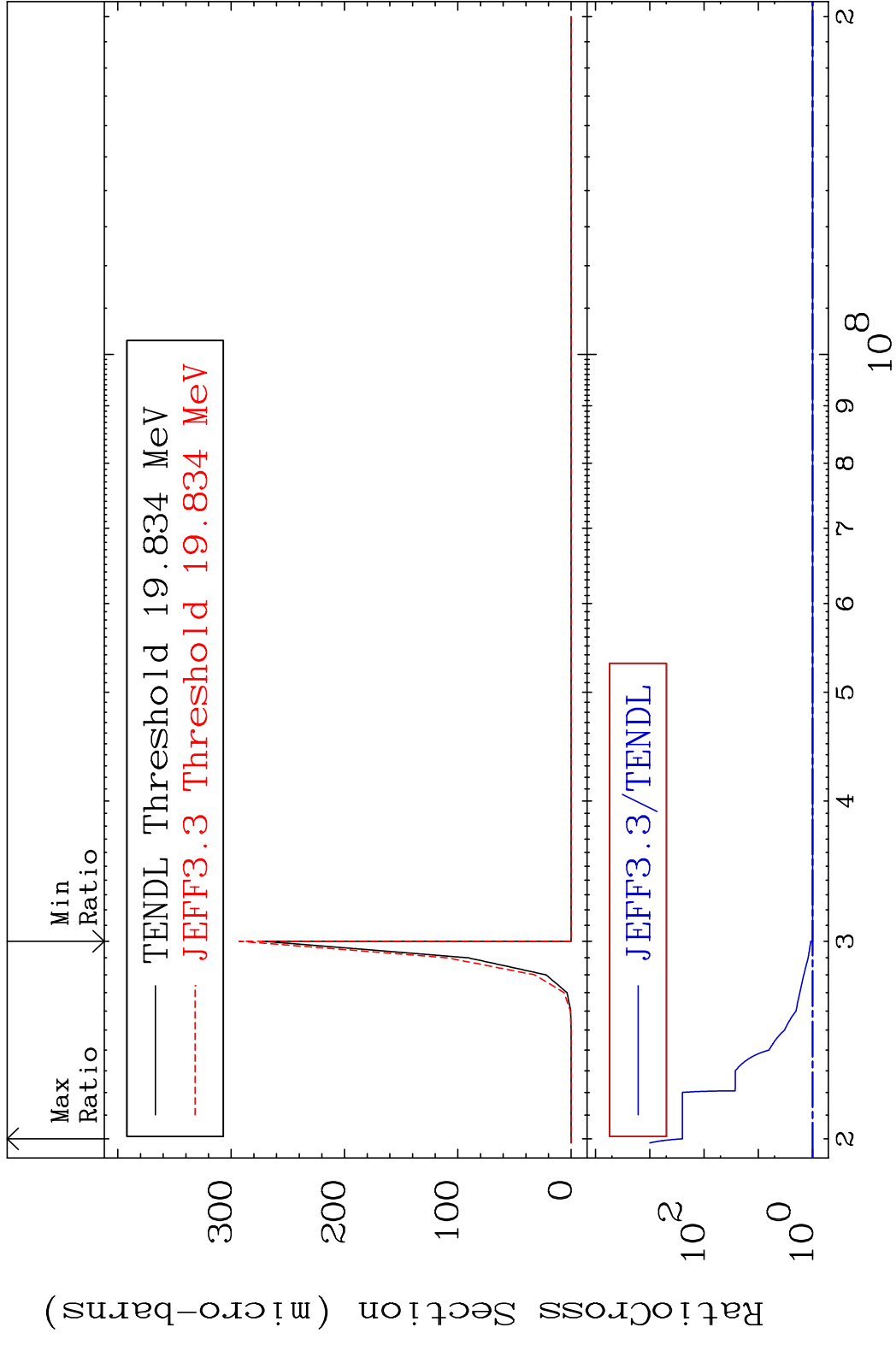


4

Incident Energy (MeV)

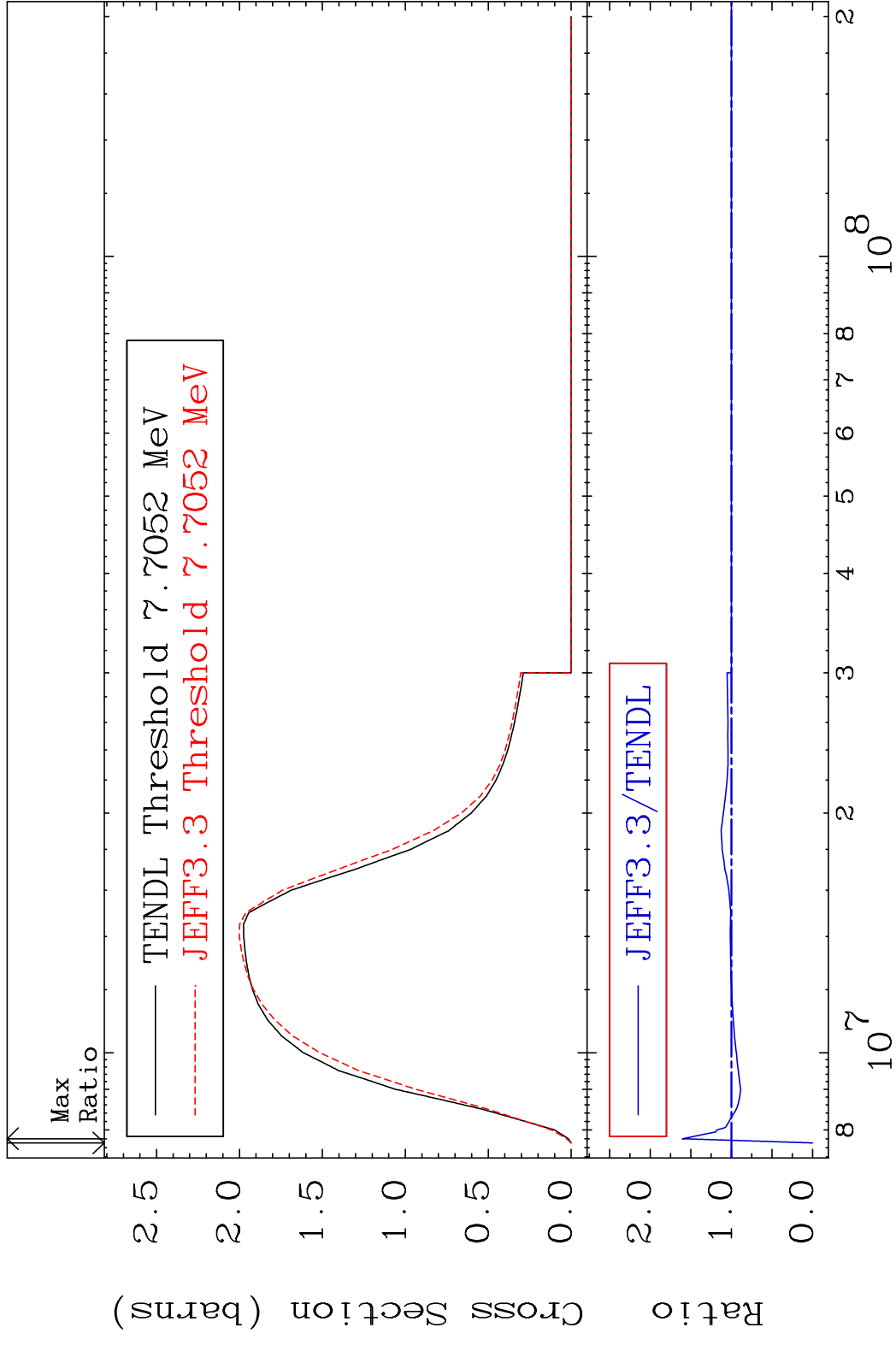
66-Dy-164

MAT 6649 (n,2n) d 66-Dy-164
 Cross Section 0.000 To 9999. %



5 Incident Energy (eV) 66-Dy-164

MAT 6649 (n,2n) 66-Dy-164
 Cross Section -100.0 To 60.36 %



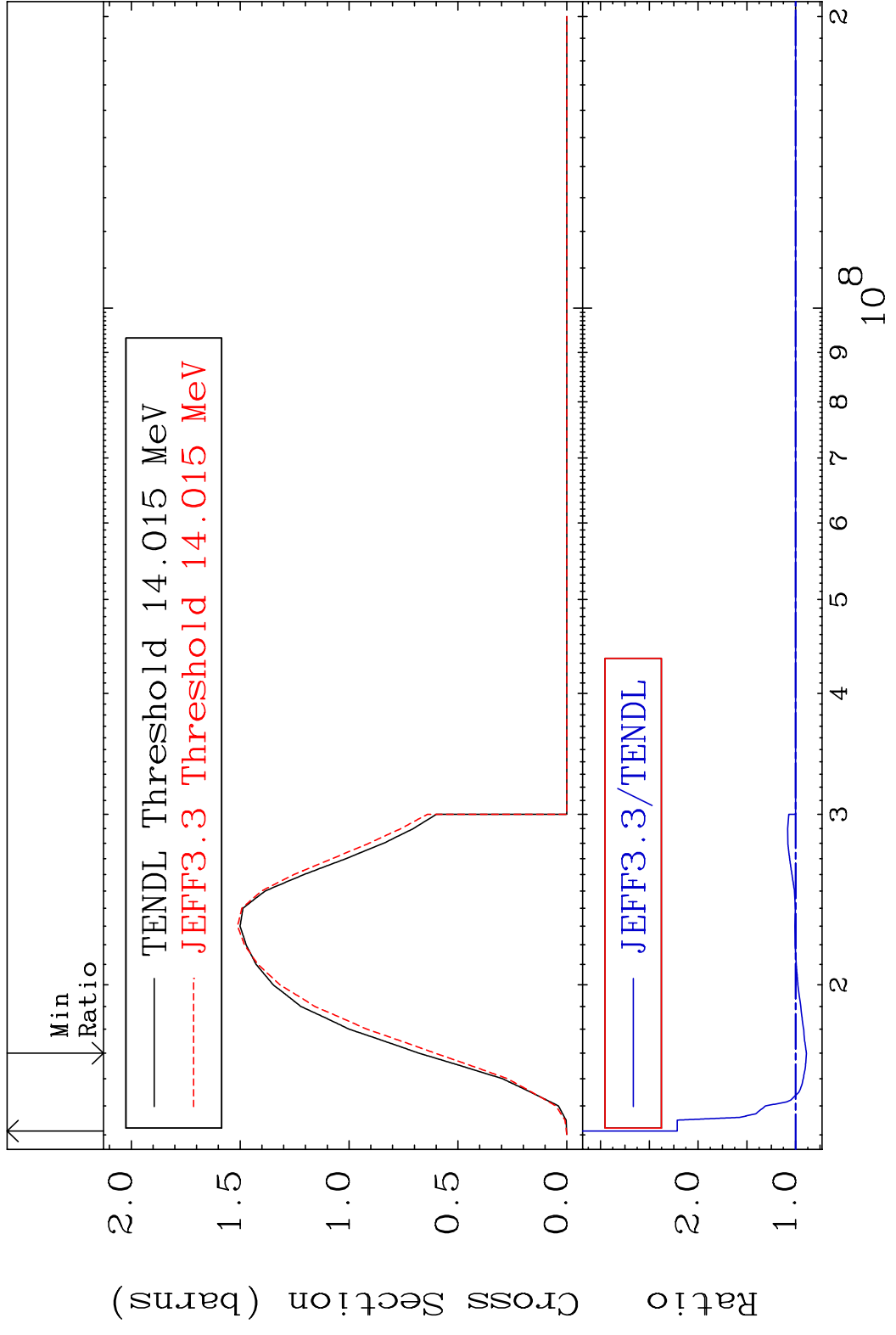
6 Incident Energy (eV) 66-Dy-164

MAT 6649

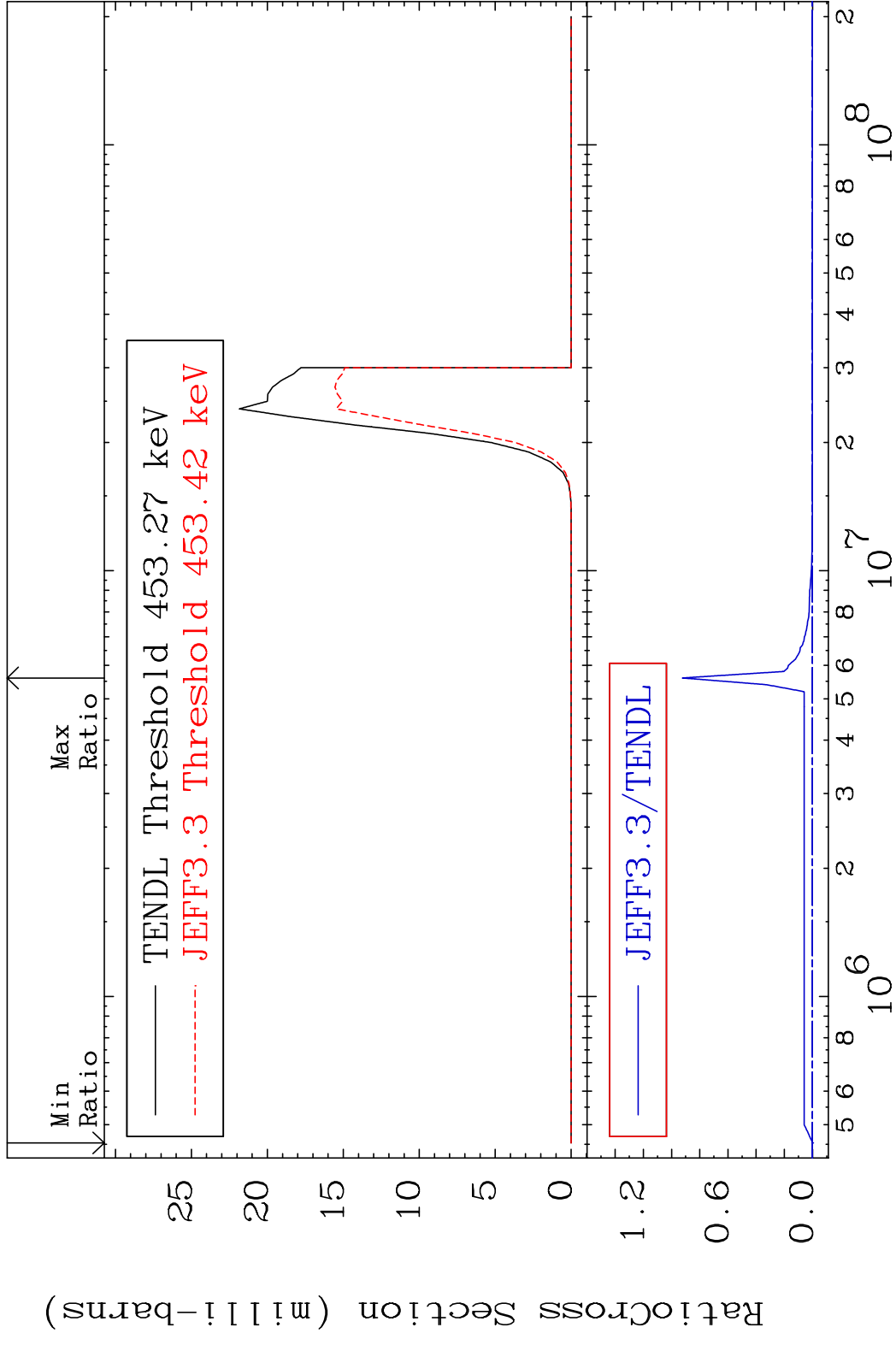
(n,3n)

66-Dy-164

Cross Section -11.01 To 121.5 %

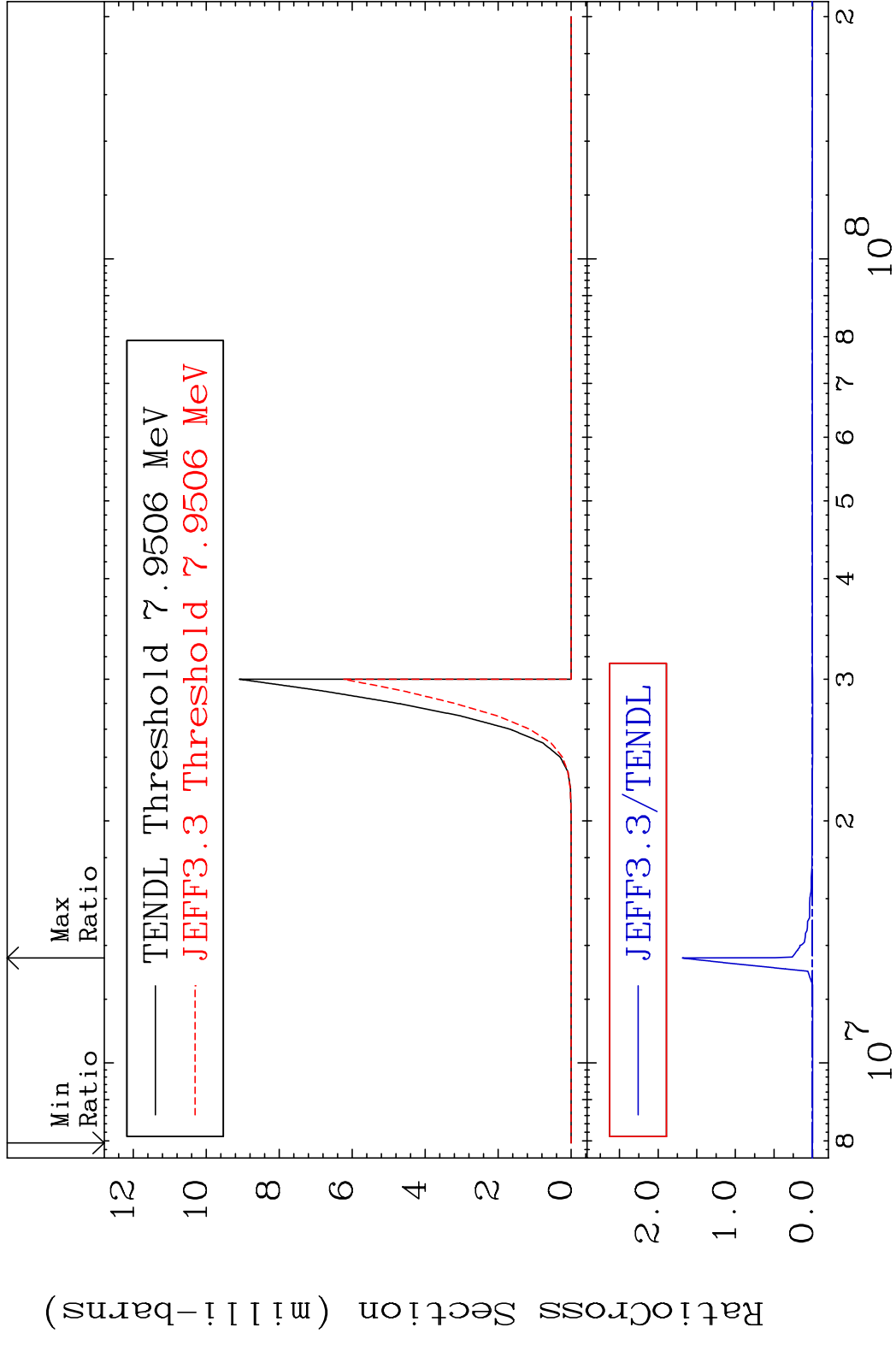


MAT 6649 (n, n') α 66-Dy-164
 Cross Section -100.0 To 9999. %



8 8 66-Dy-164

MAT 6649 (n,2n) α 66-Dy-164
 Cross Section -100.0 To 9999. %



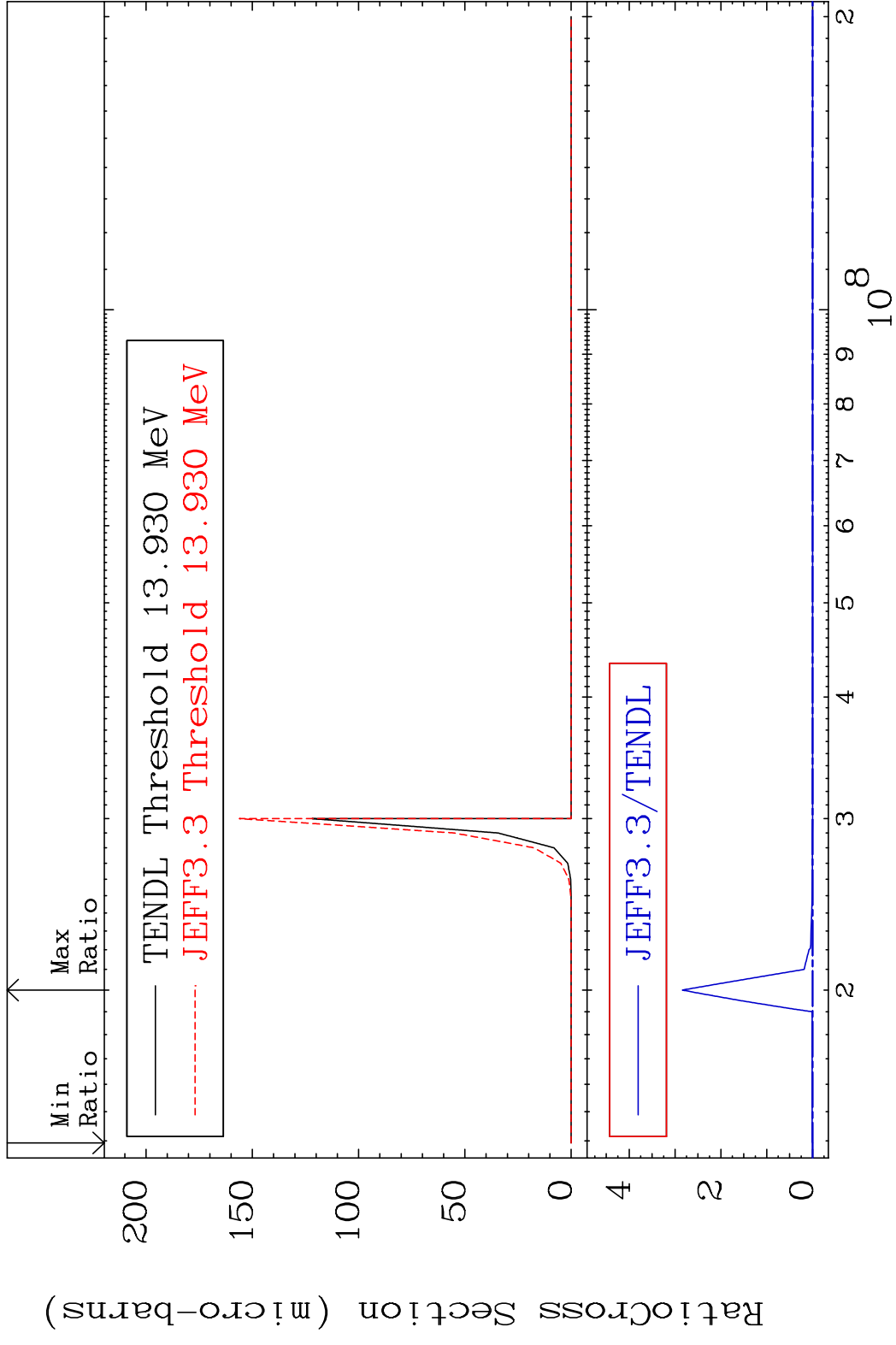
9 Incident Energy (eV) 66-Dy-164

MAT 6649

(n,3n) α

66-Dy-164

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

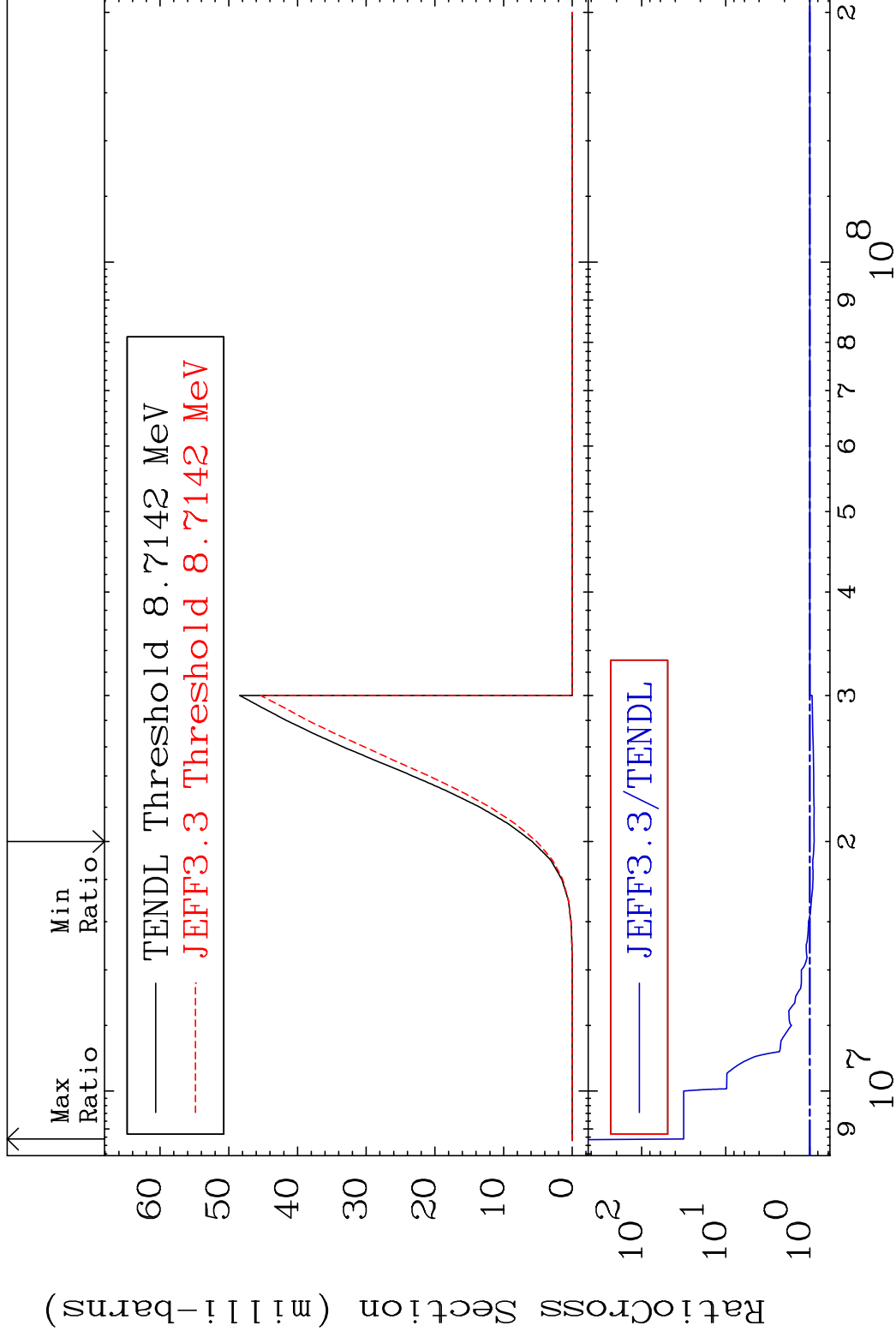
66-Dy-164

MAT 6649

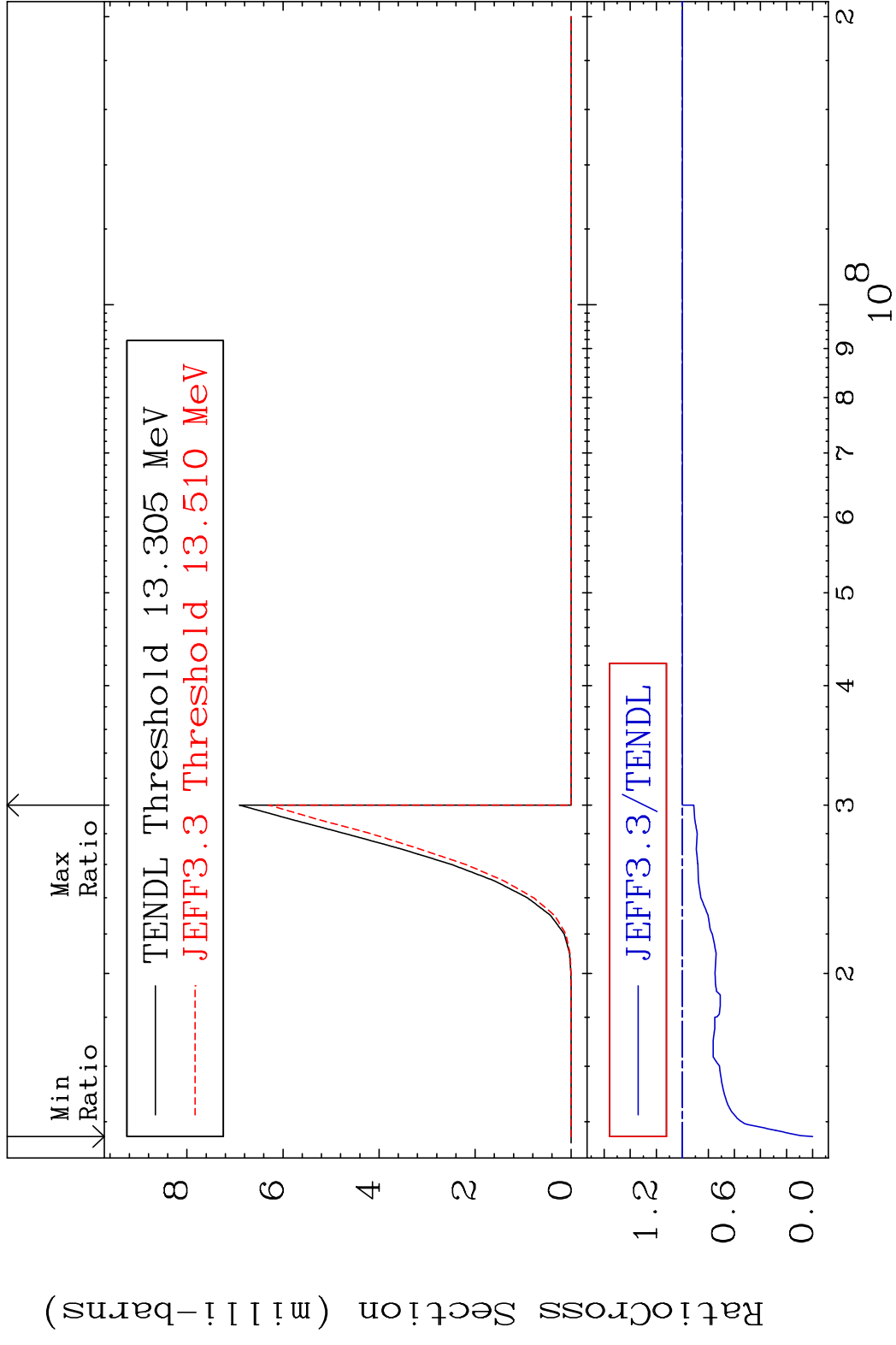
(n, n') p

66-Dy-164

Cross Section -11.27 To 3067. %



MAT 6649 (n, n') d 66-Dy-164
 Cross Section -100.0 To 0.000 %

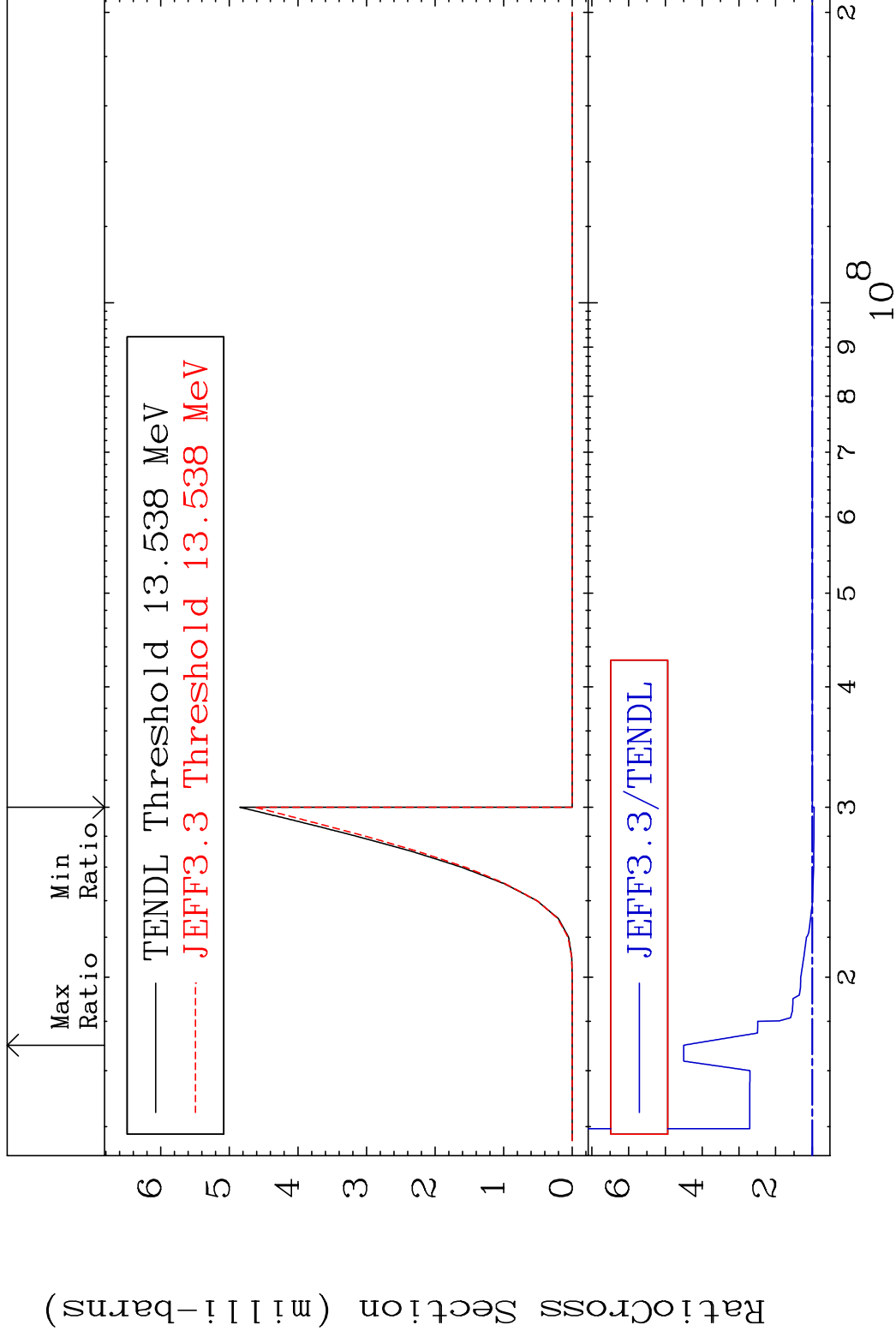


MAT 6649

(n, n') t

66-Dy-164

Cross Section -4.595 To 350.2 %



13

Incident Energy (eV)

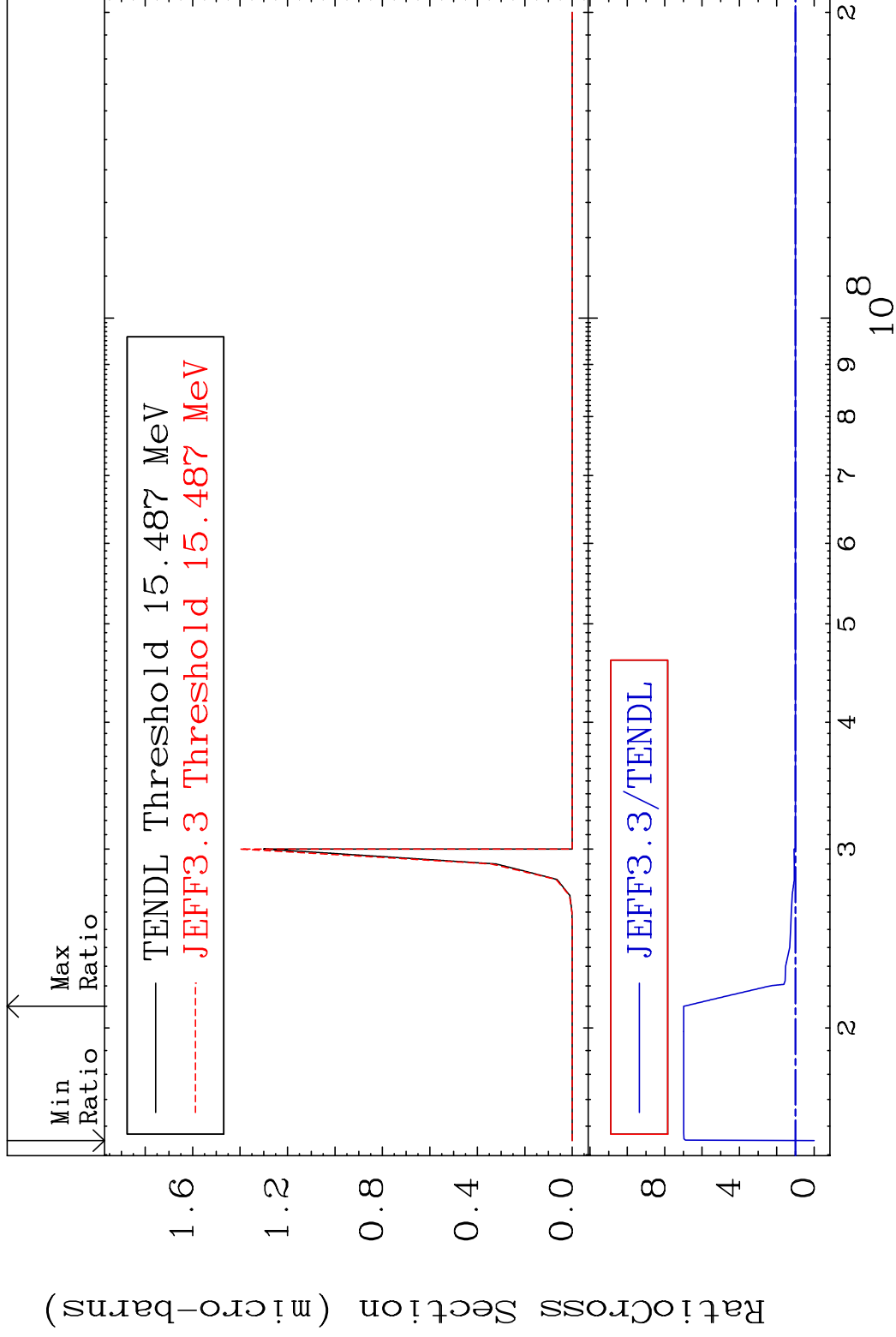
66-Dy-164

MAT 6649

(n,n') He-3

66-Dy-164

Cross Section -100.0 To 598.4 %



14

Incident Energy (eV)

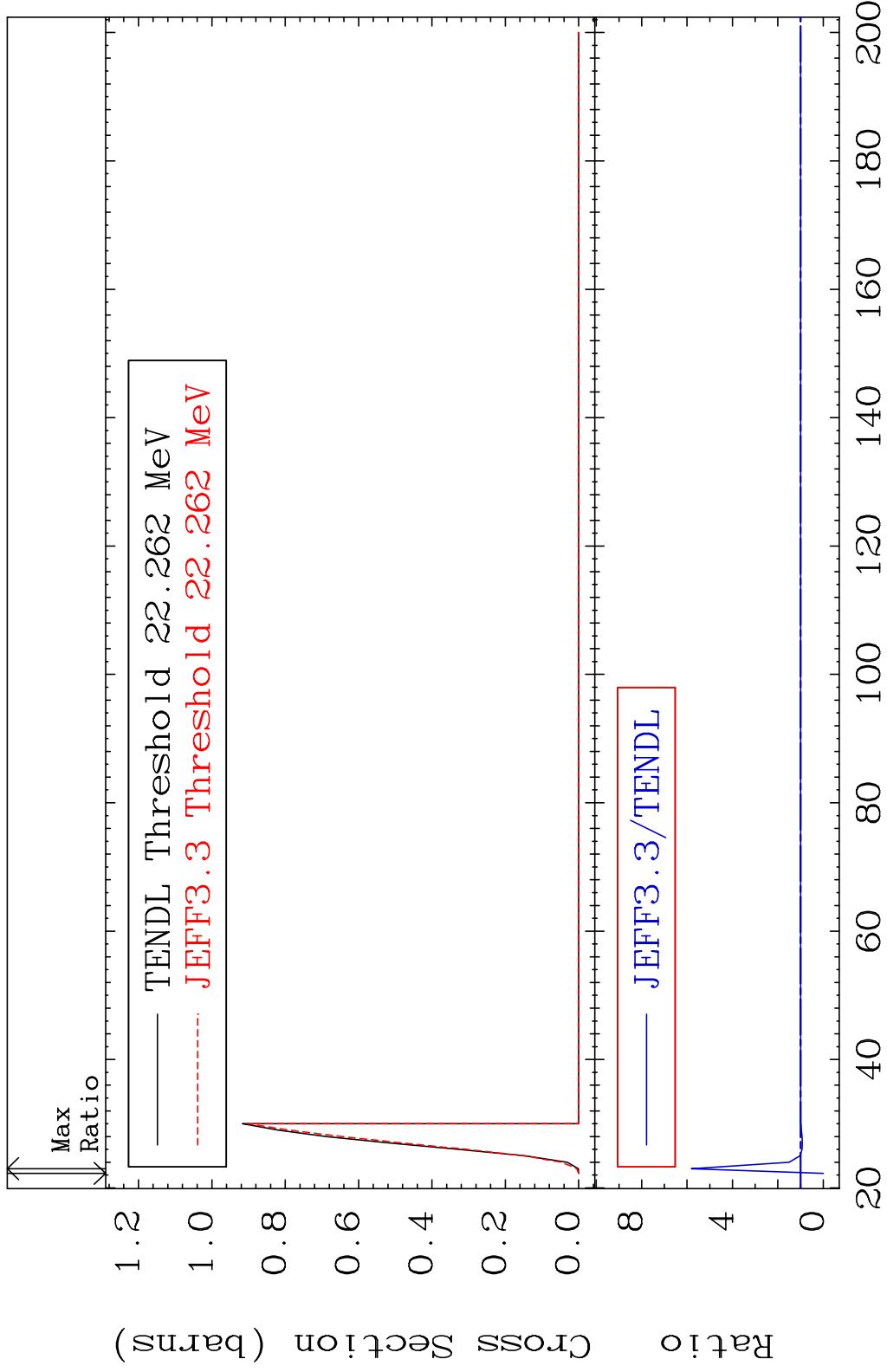
66-Dy-164

MAT 6649

(n, 4n)

66-Dy-164

Cross Section -100.0 To 481.1 %

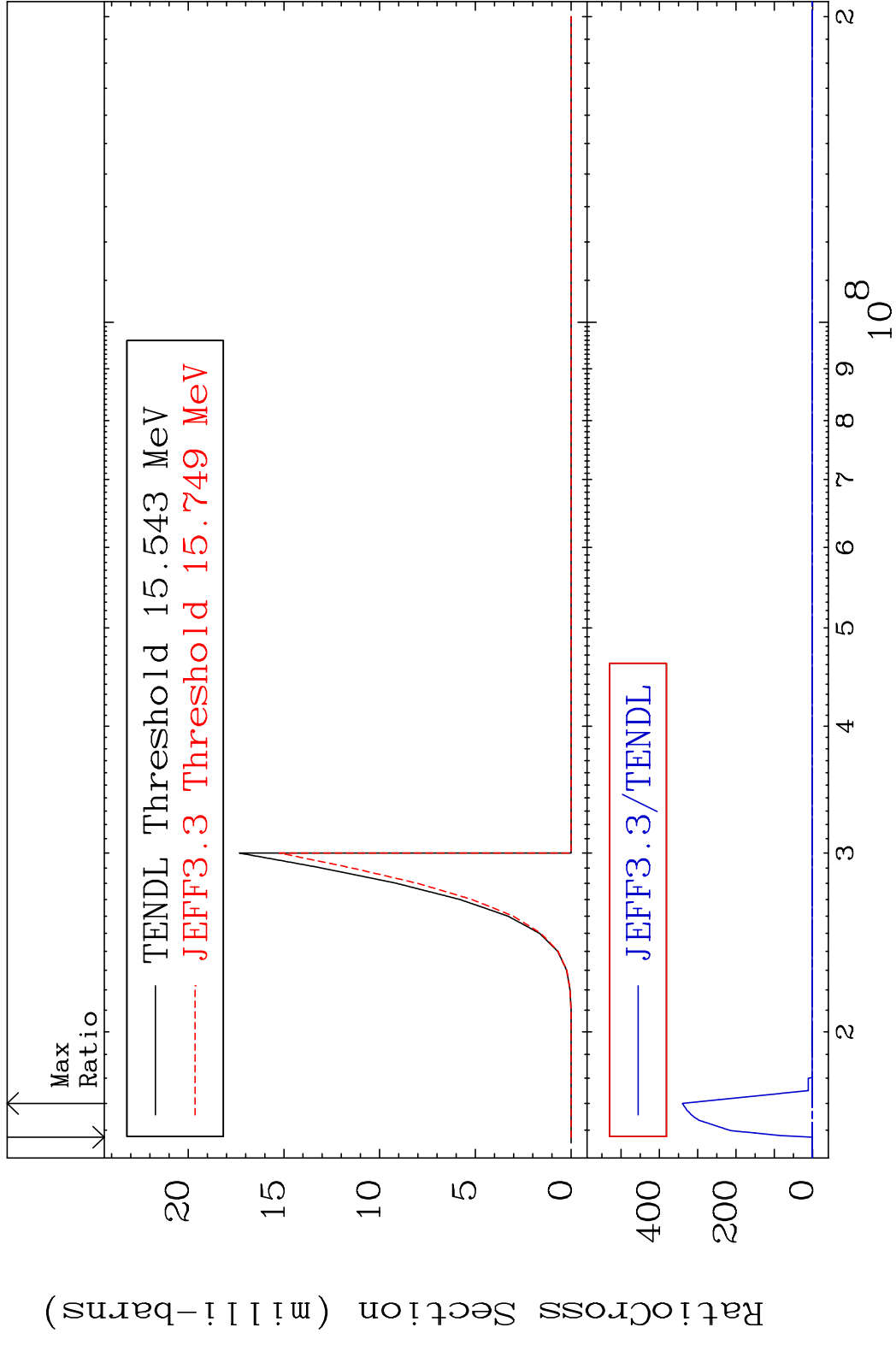


15

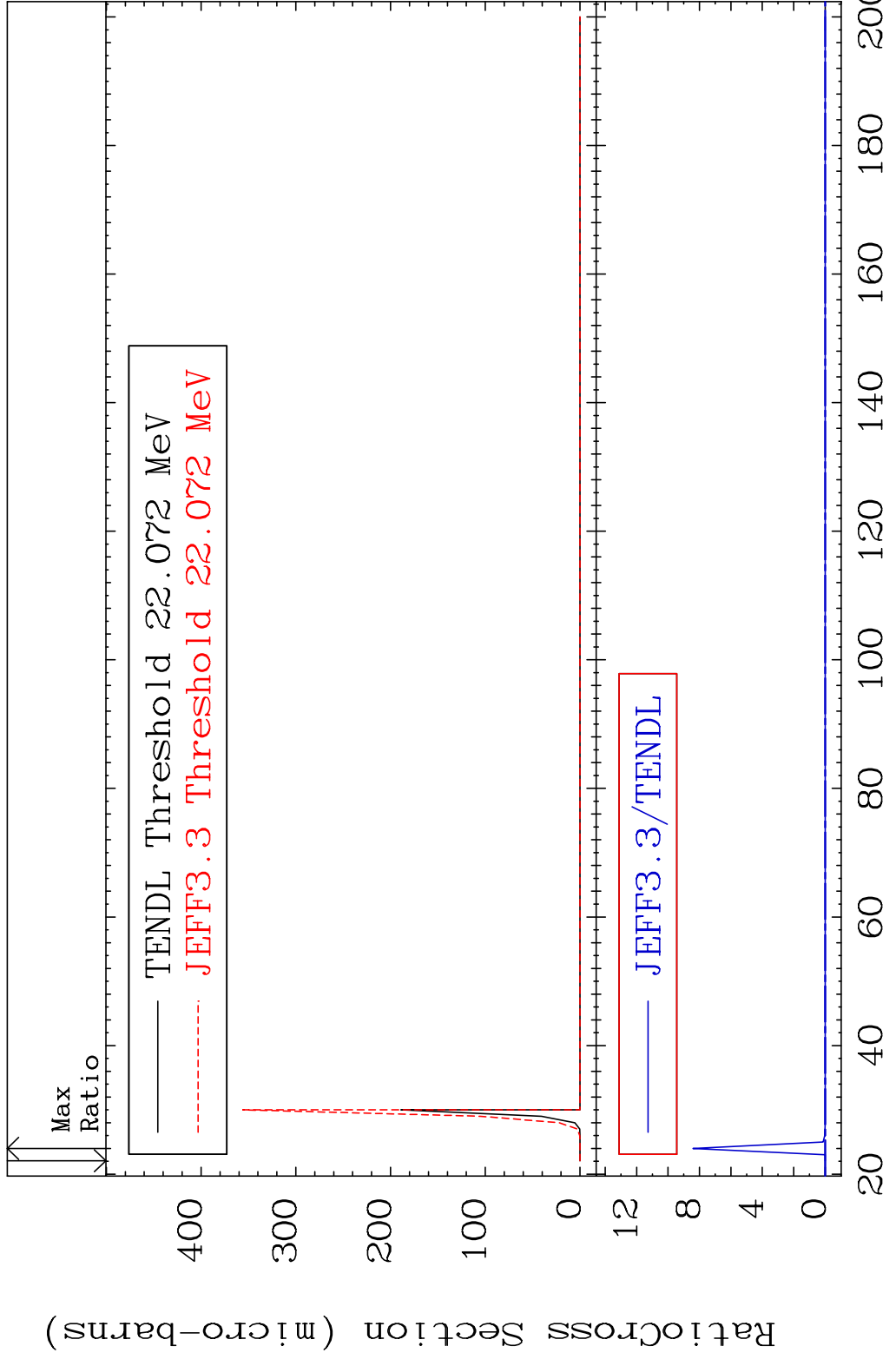
Incident Energy (MeV)

66-Dy-164

MAT 6649 (n,2n) p 66-Dy-164
 Cross Section -100.0 To 9999. %



MAT 6649 (n,3n) p 66-Dy-164
 Cross Section -100.0 To 9999. %

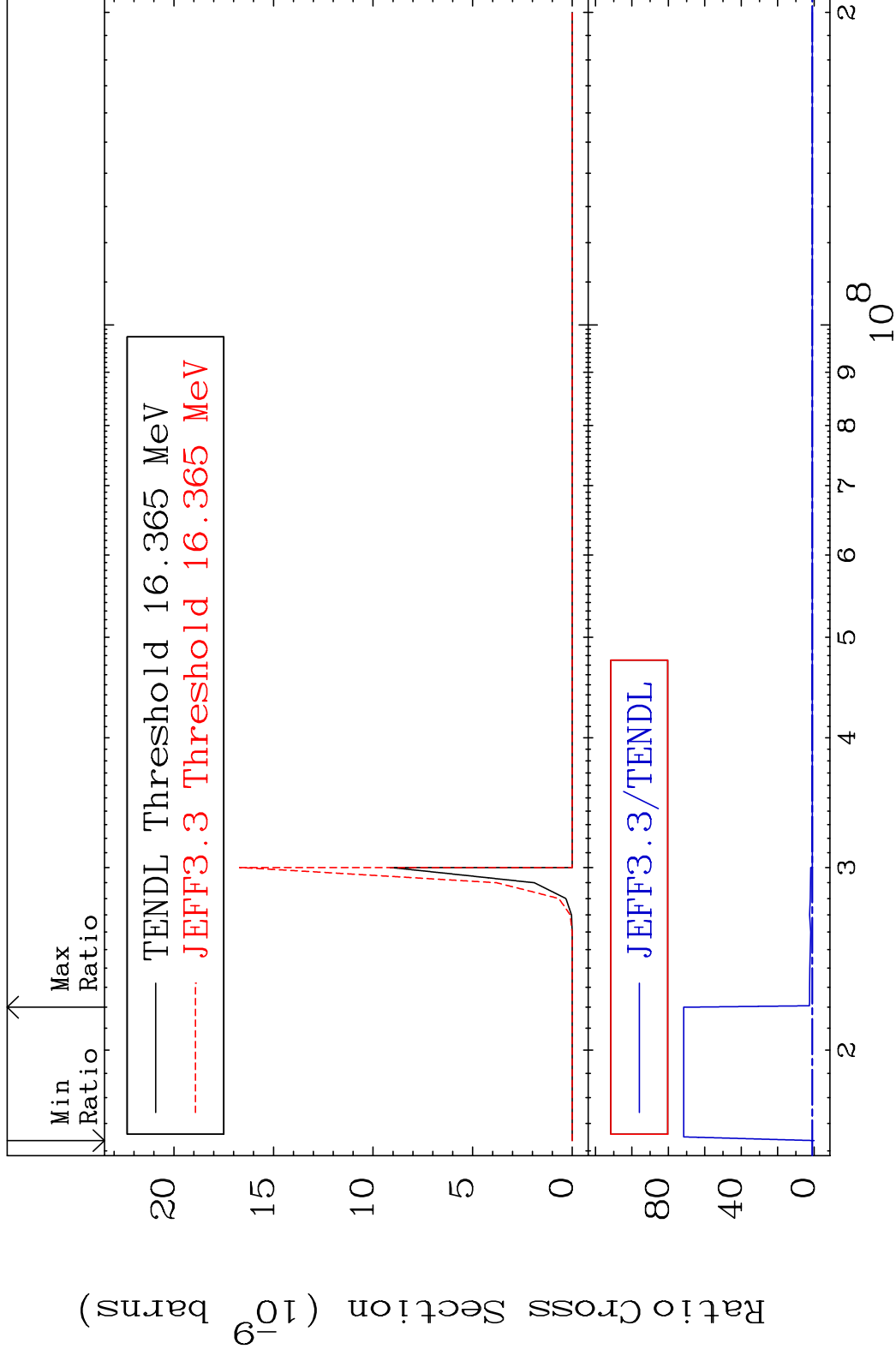


MAT 6649

(n,2n) p

66-Dy-164

Cross Section -100.0 To 7060. %



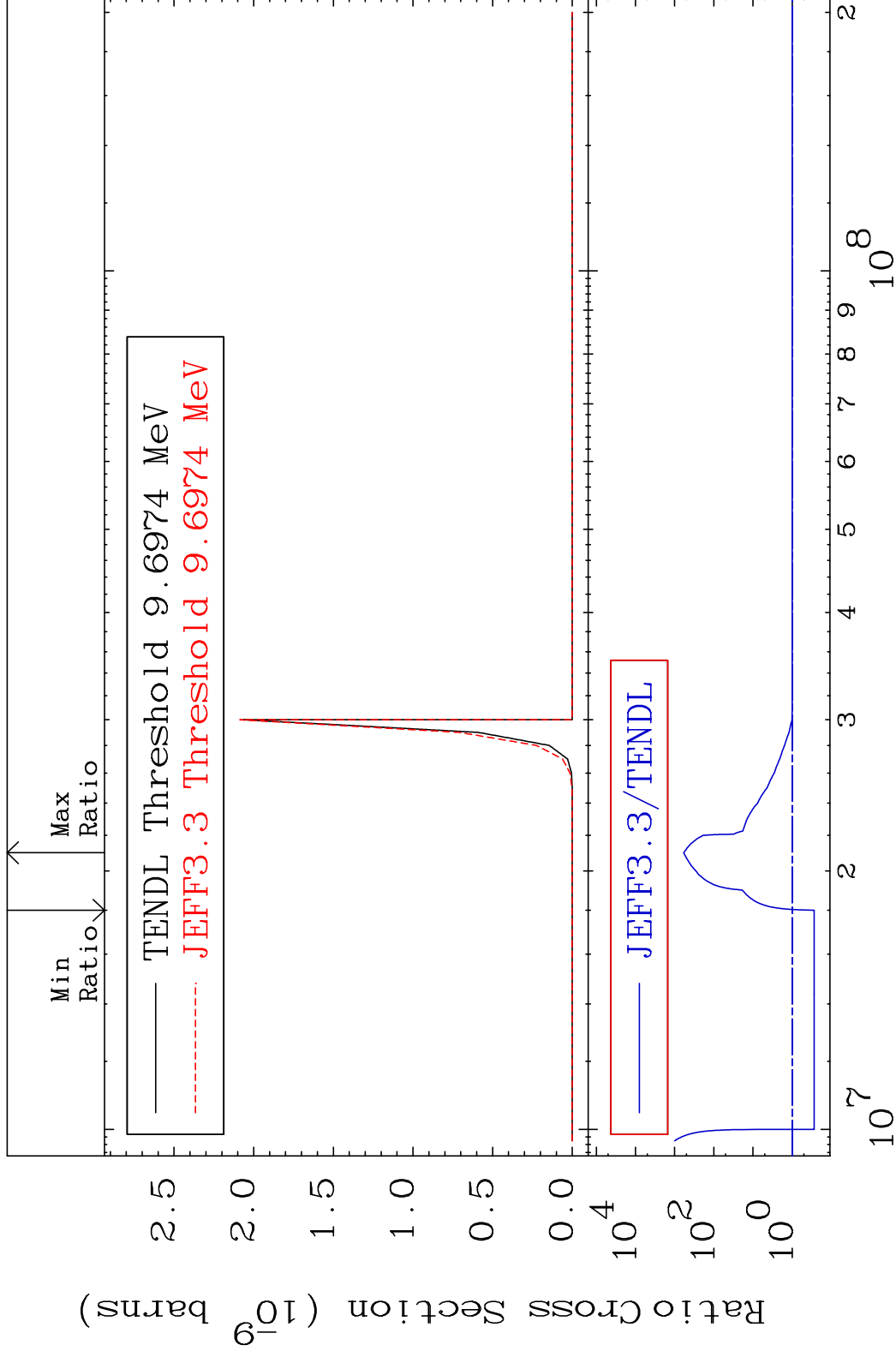
18

Incident Energy (eV)

66-Dy-164

MAT 6649

(n,n') p α 66-Dy-164
Cross Section -72.48 To 9999. %



19

Incident Energy (eV)

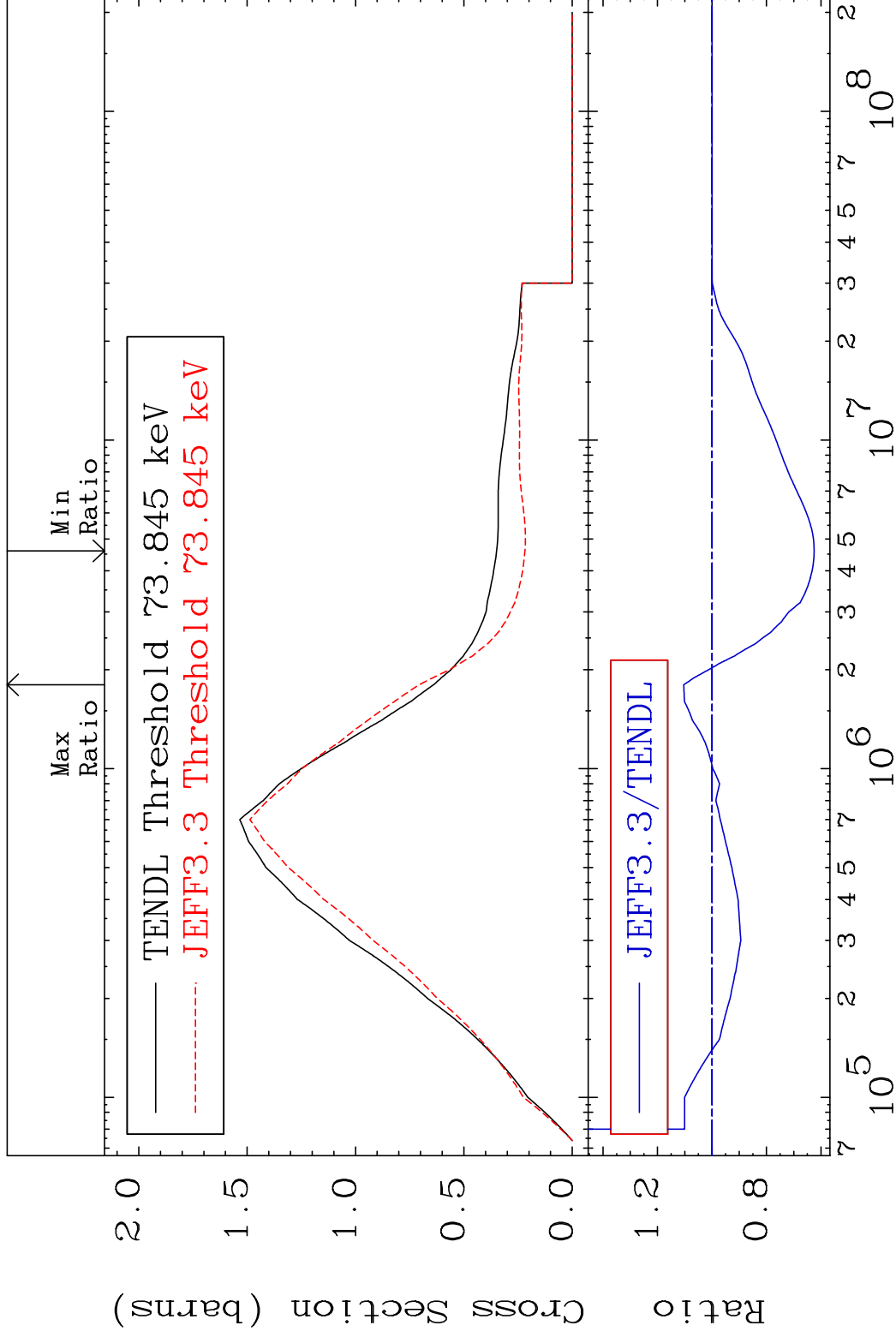
66-Dy-164

MAT 6649

MT= 51 (n, n') Level

66-Dy-164

Cross Section -37.49 To 10.40 %

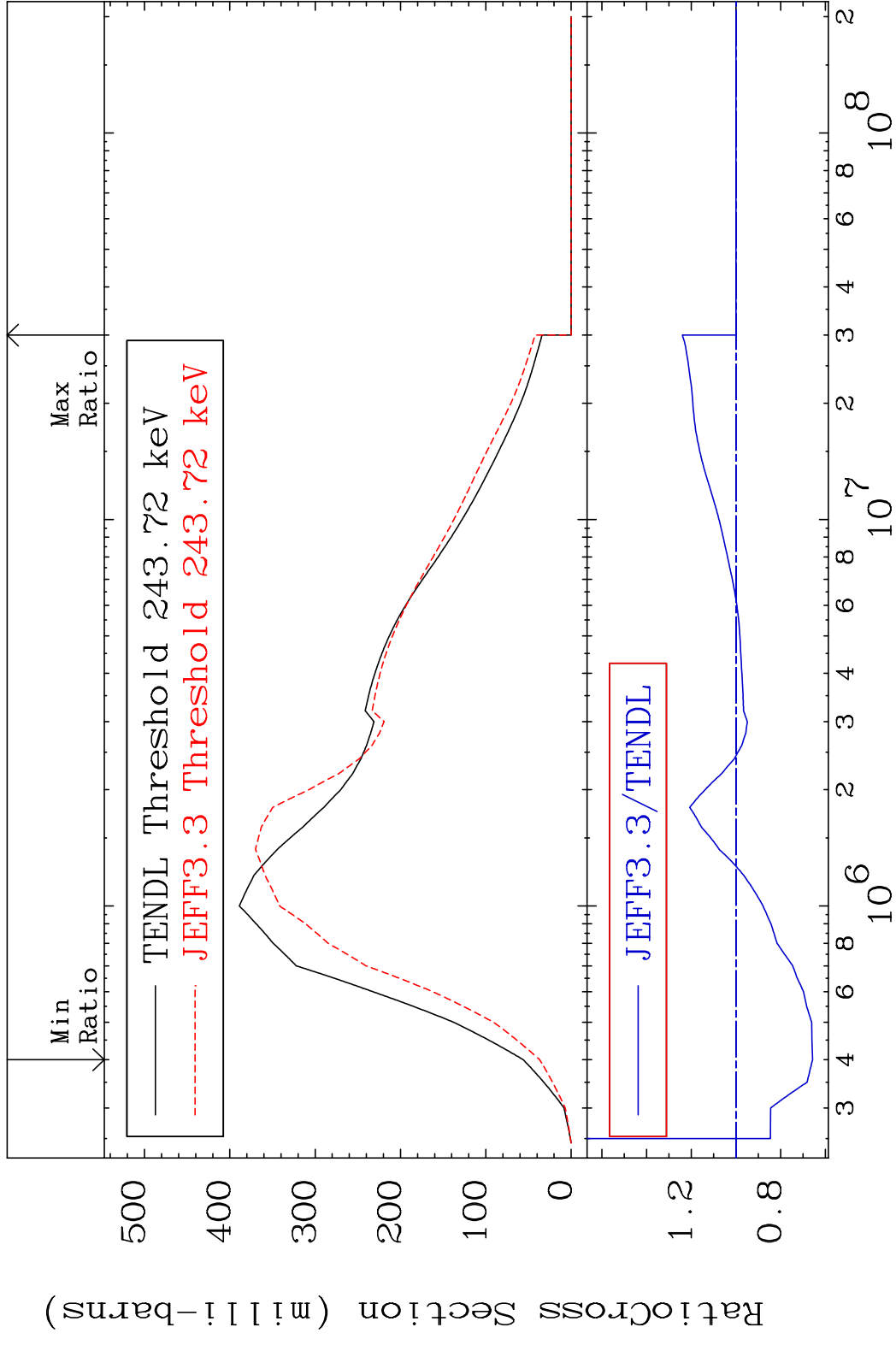


20

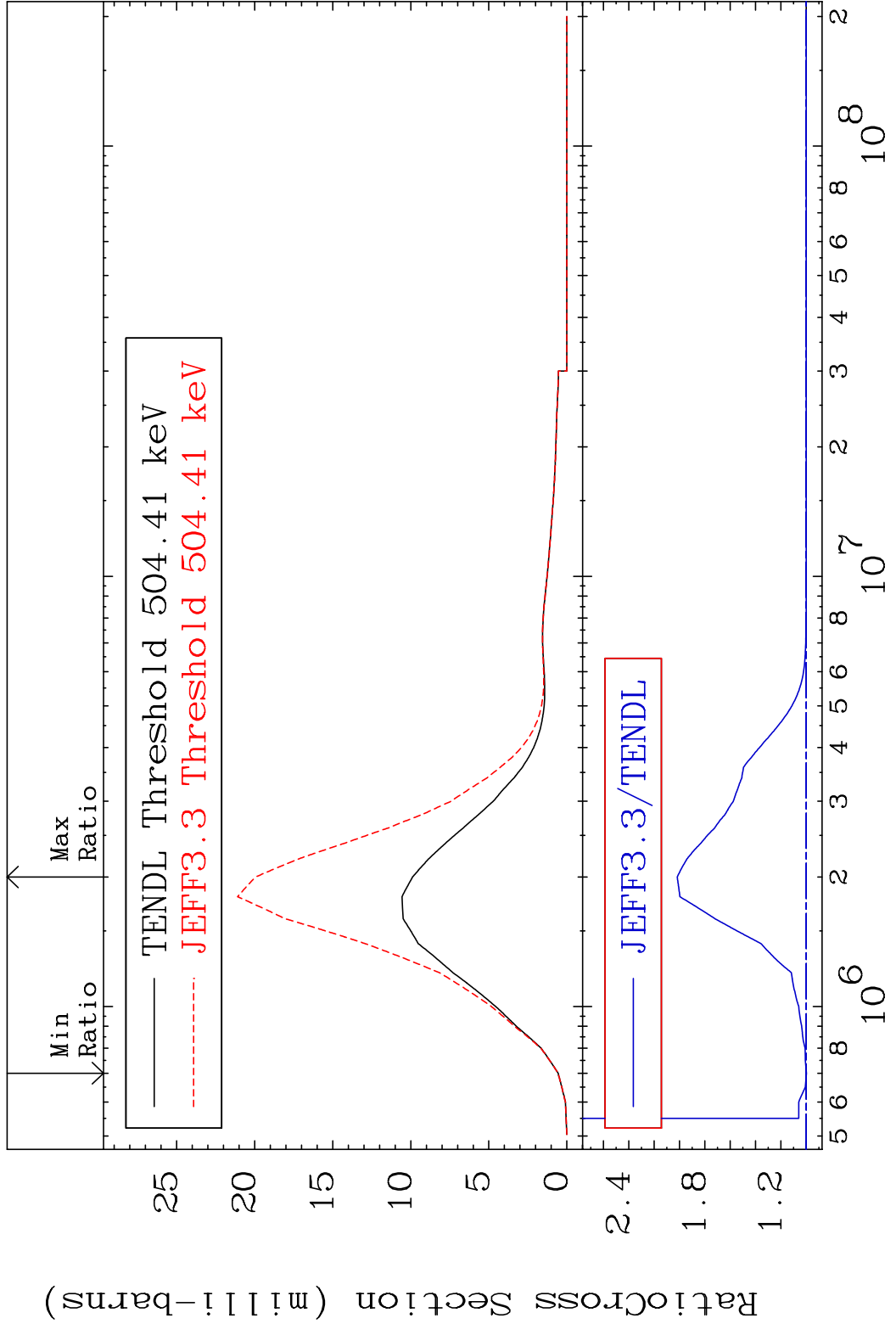
Incident Energy (eV)

66-Dy-164

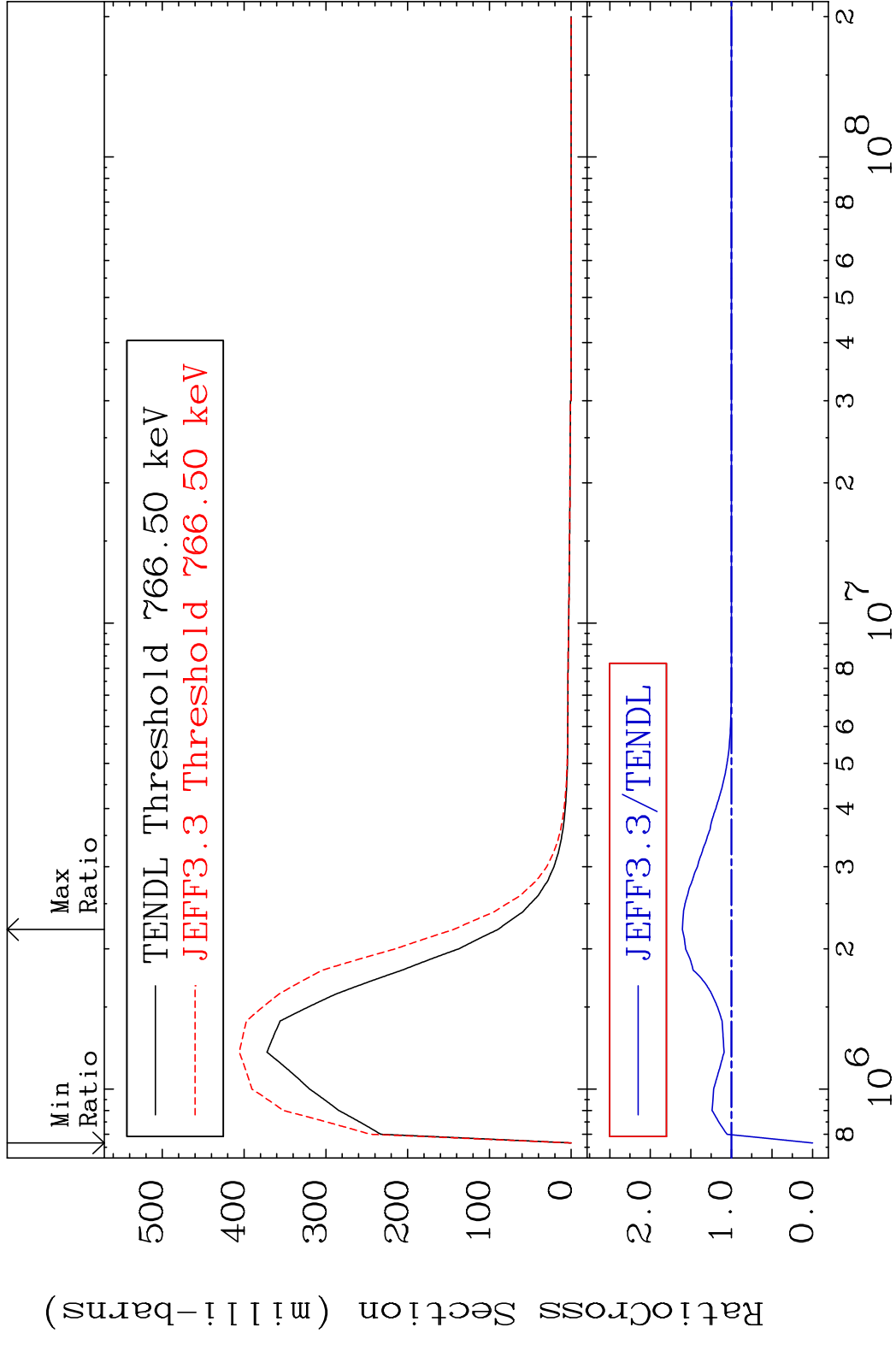
MAT 6649 MT= 52 (n, n') Level 66-Dy-164
 Cross Section -34.30 To 23.98 %



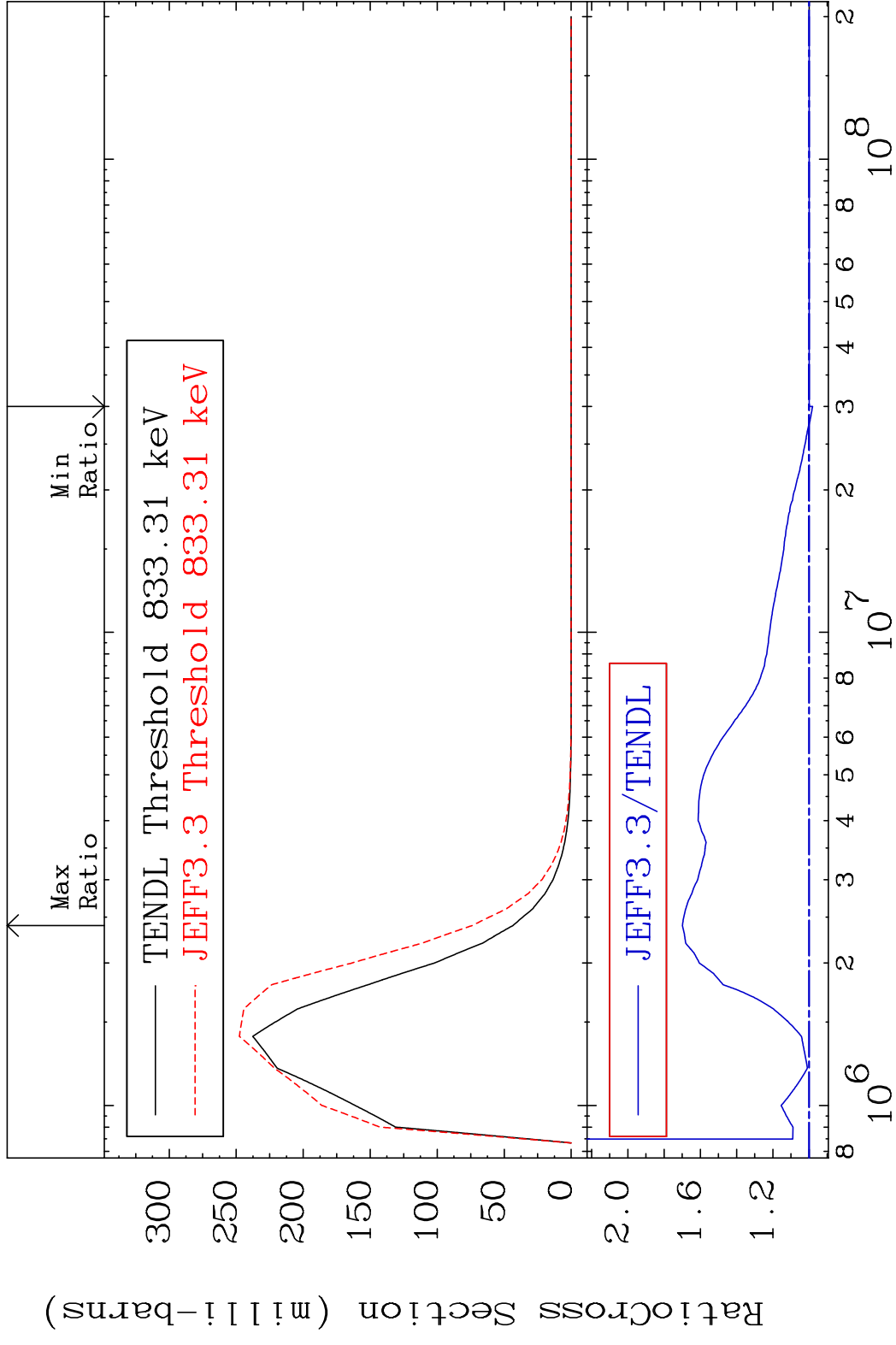
MAT 6649 MT= 53 (n, n') Level 66-Dy-164
 Cross Section -0.099 To 101.8 %



MAT 6649 MT= 54 (n,n') Level 66-Dy-164
 Cross Section -100.0 To 60.52 %

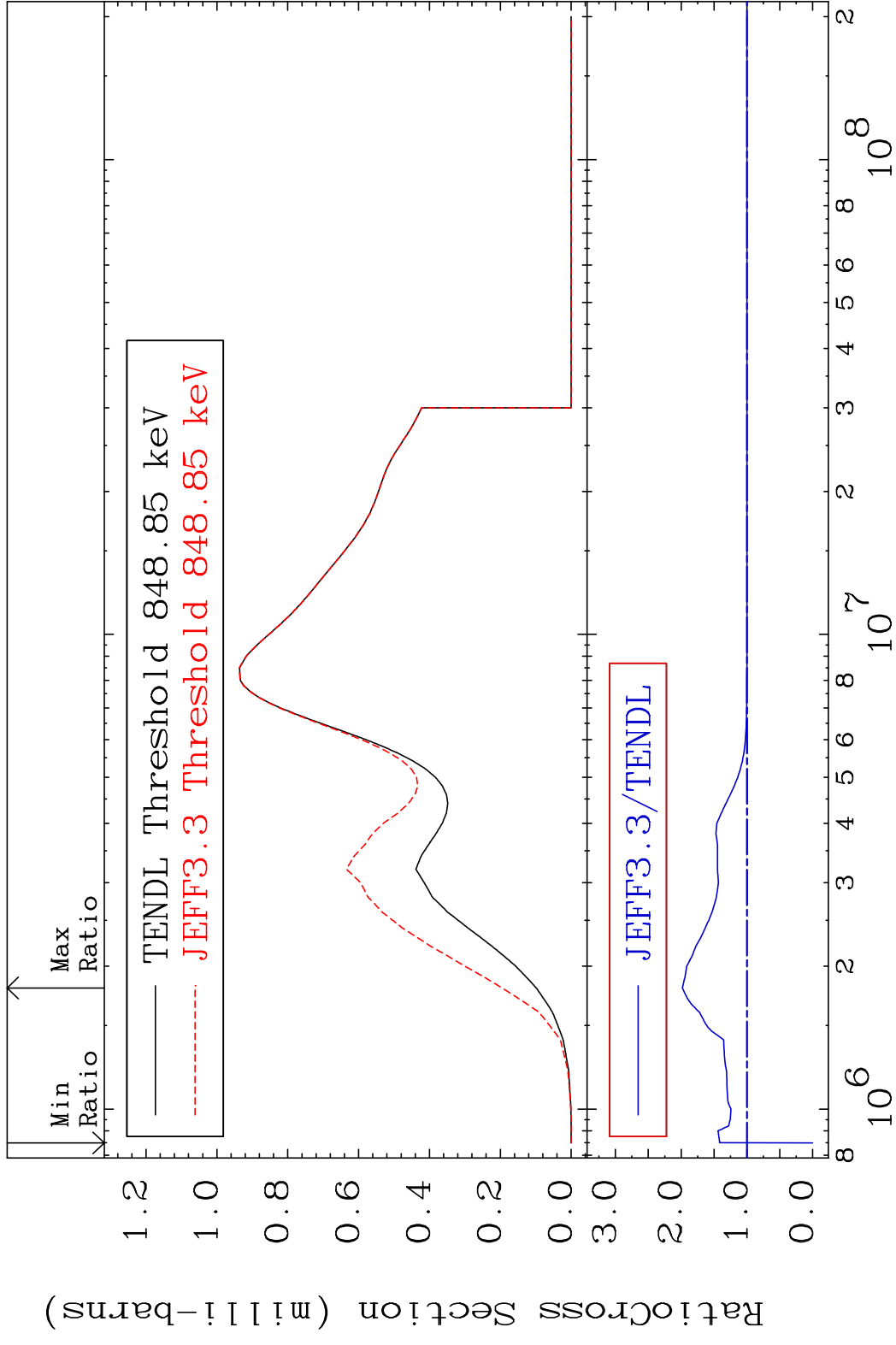


MAT 6649 MT= 55 (n, n') Level 66-Dy-164
 Cross Section -1.915 To 69.90 %

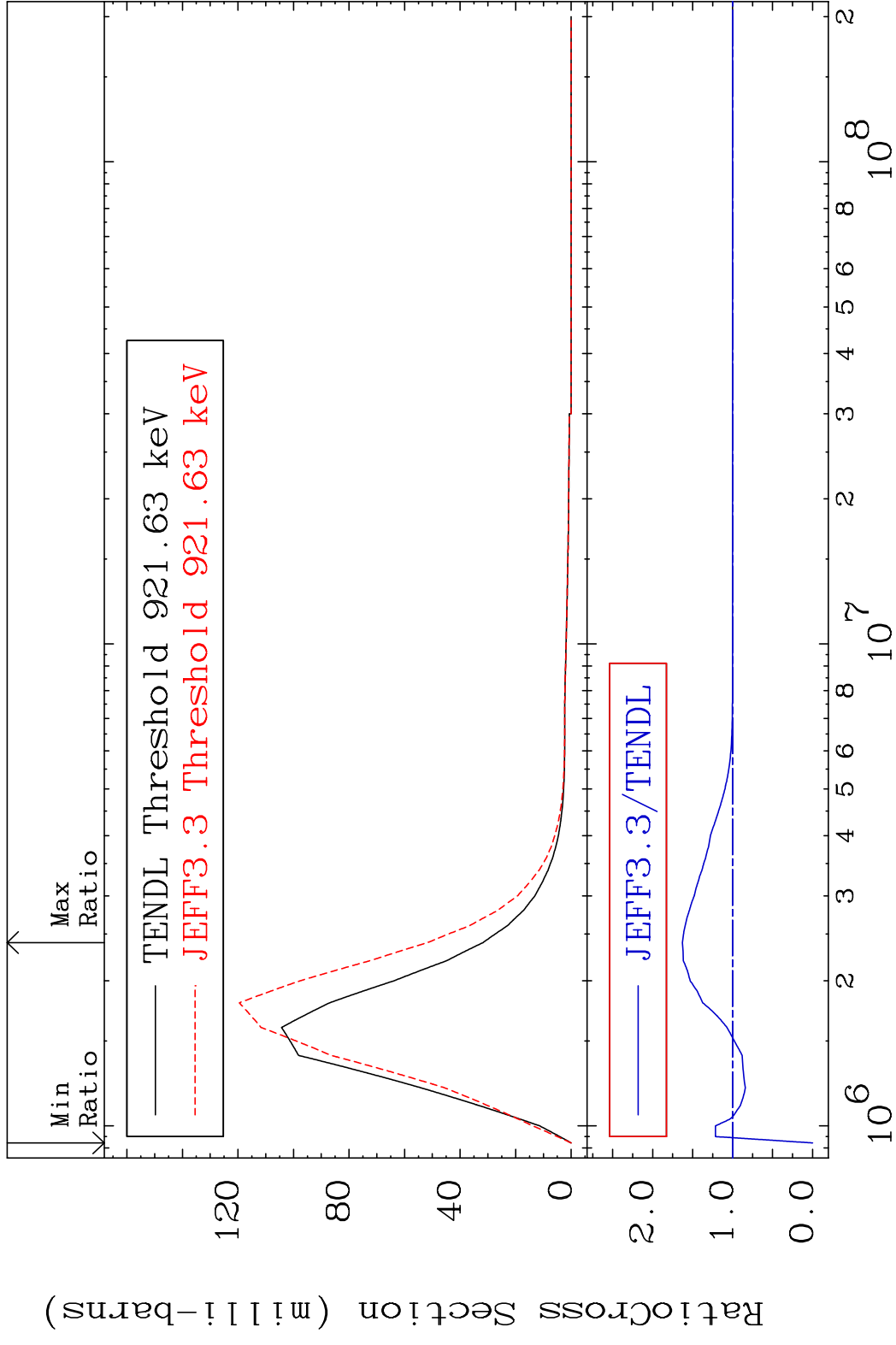


24 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 56 (n,n') Level 66-Dy-164
 Cross Section -100.0 To 98.16 %



MAT 6649 MT= 57 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 62.86 %



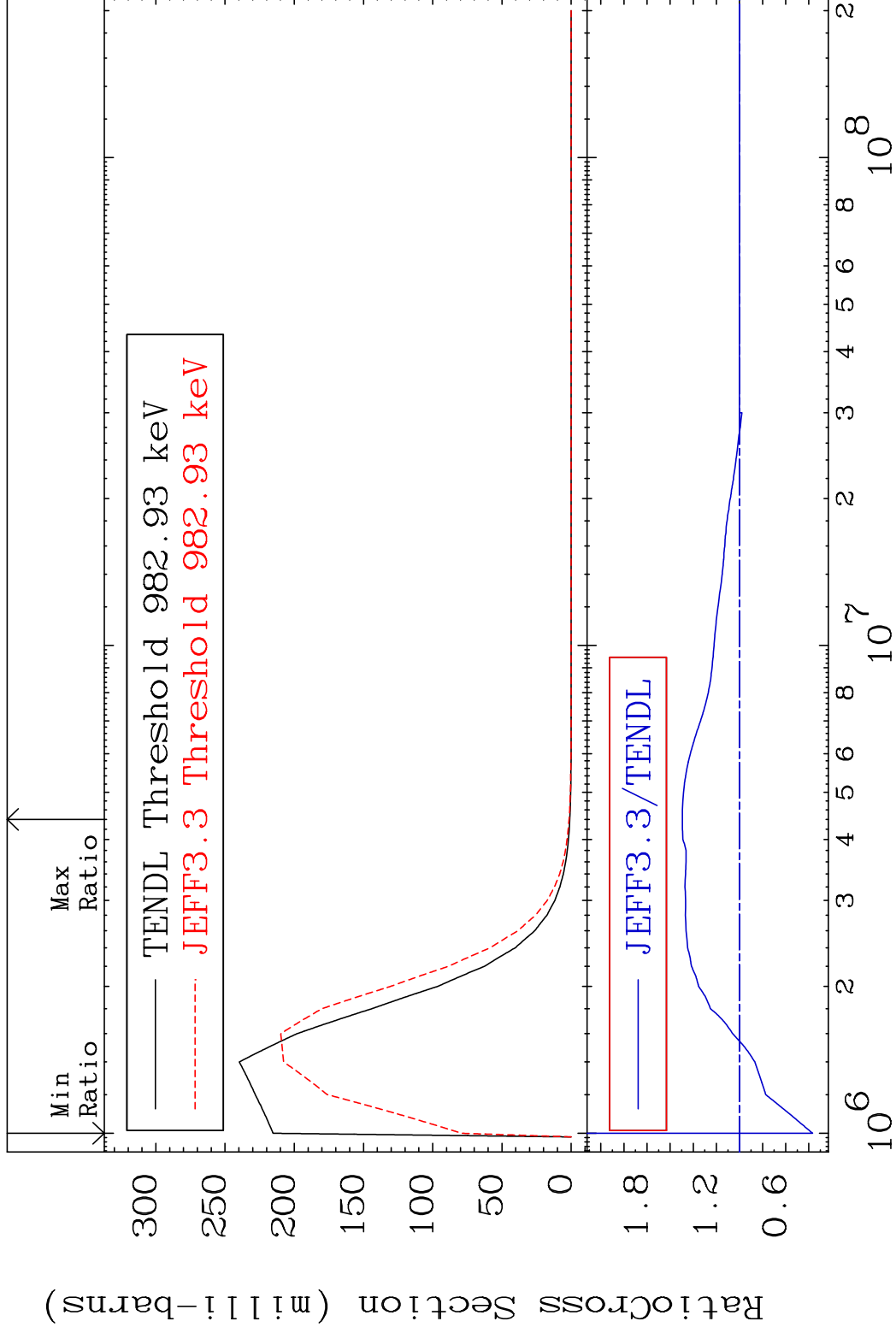
26 Incident Energy (eV) 66-Dy-164

MAT 6649

MT= 58 (n, n') Level

66-Dy-164

Cross Section -63.28 To 49.41 %

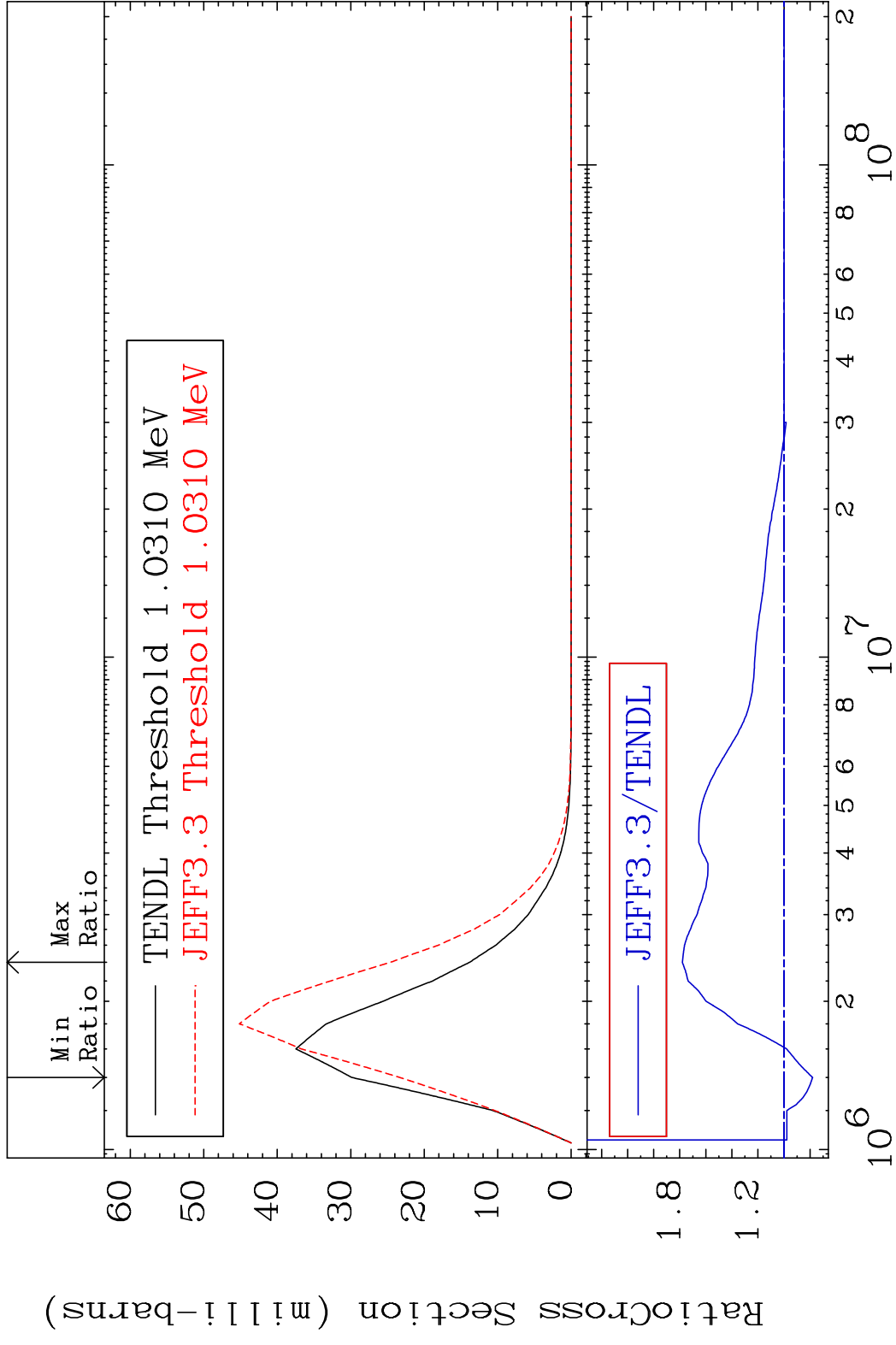


27

Incident Energy (eV)

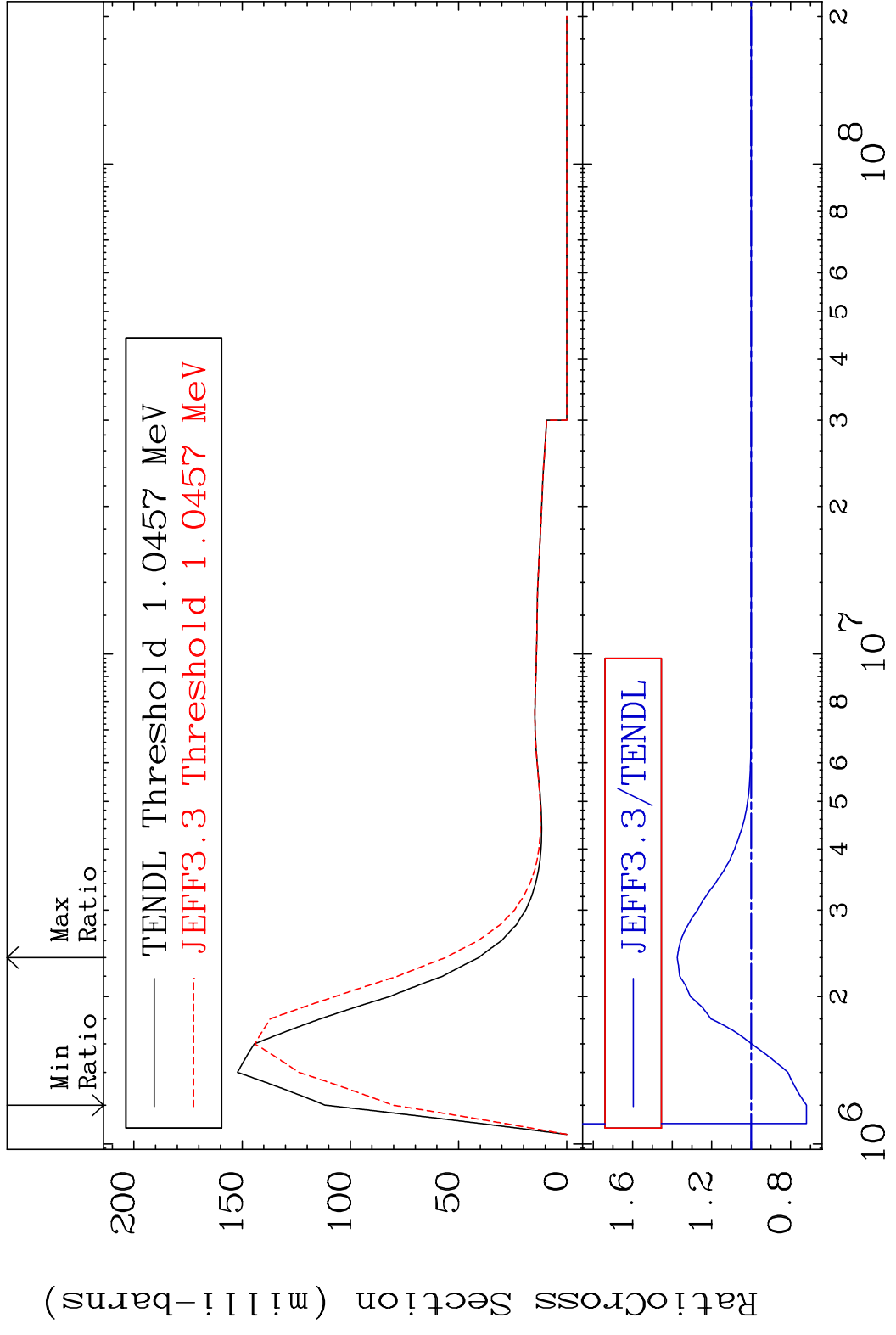
66-Dy-164

MAT 6649 MT= 59 (n, n') Level 66-Dy-164
 Cross Section -21.92 To 78.00 %



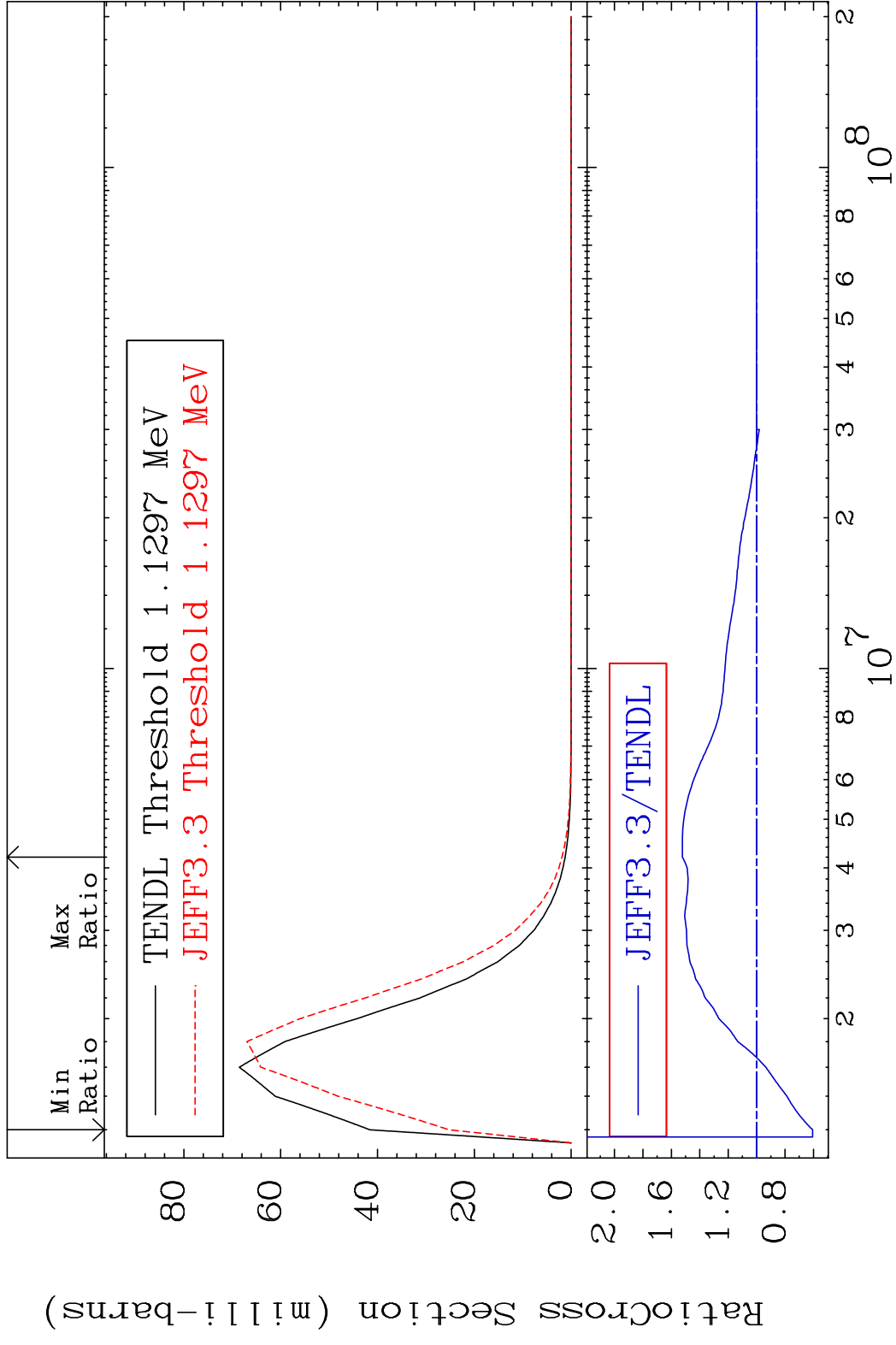
28 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 60 (n, n') Level 66-Dy-164
 Cross Section -27.96 To 37.46 %

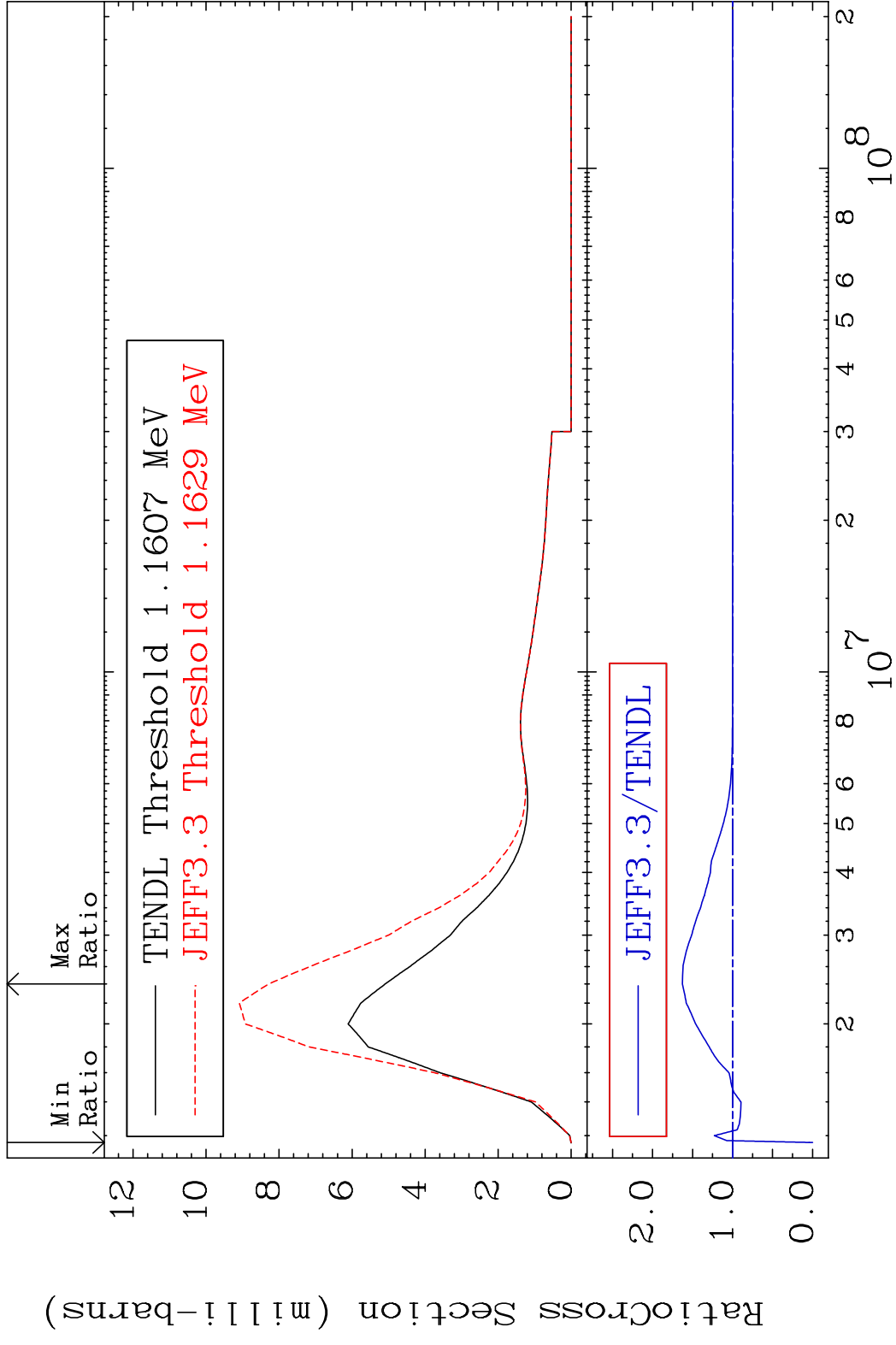


29 Incident Energy (eV) 66-Dy-164

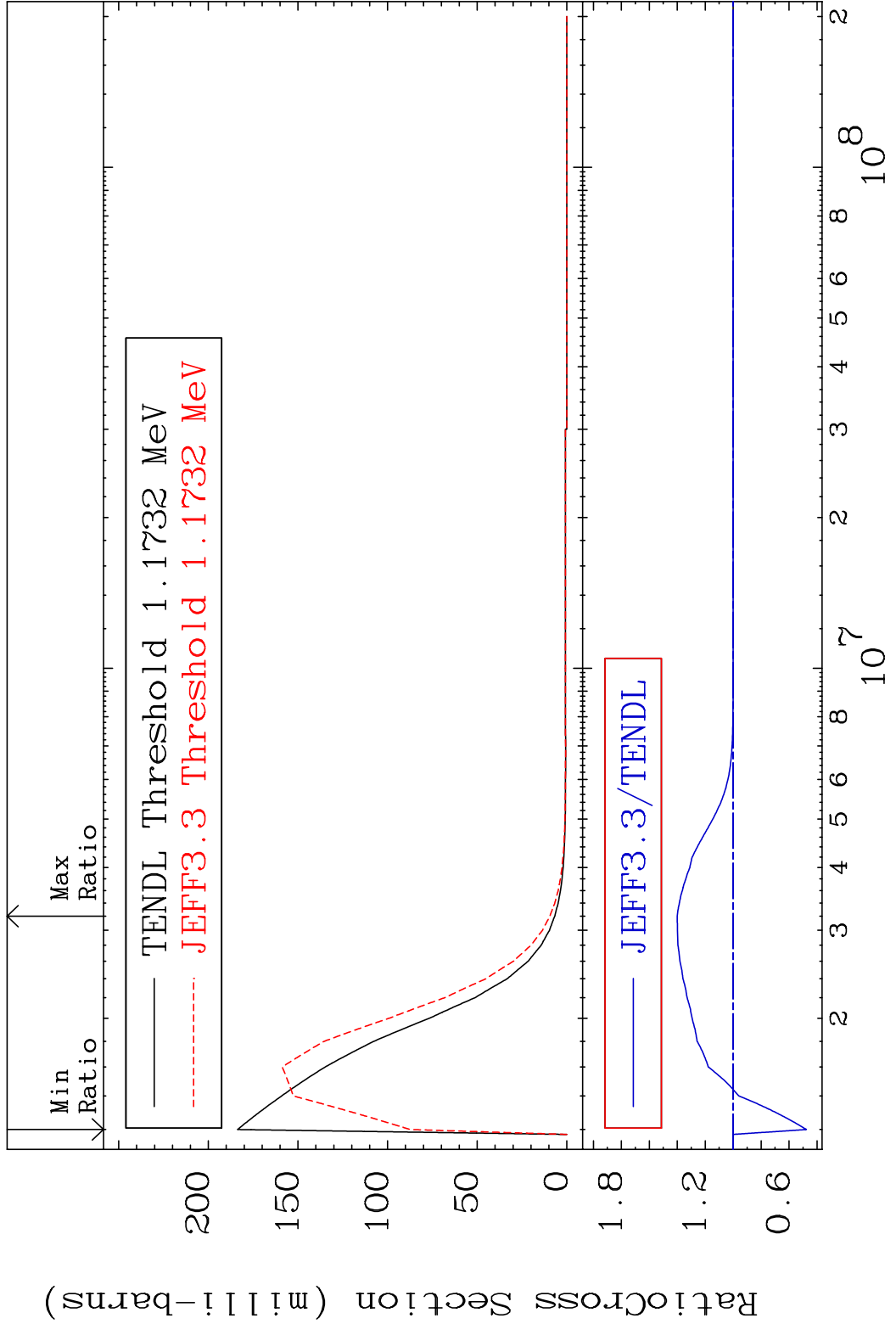
MAT 6649 MT= 61 (n, n') Level 66-Dy-164
 Cross Section -39.37 To 52.26 %



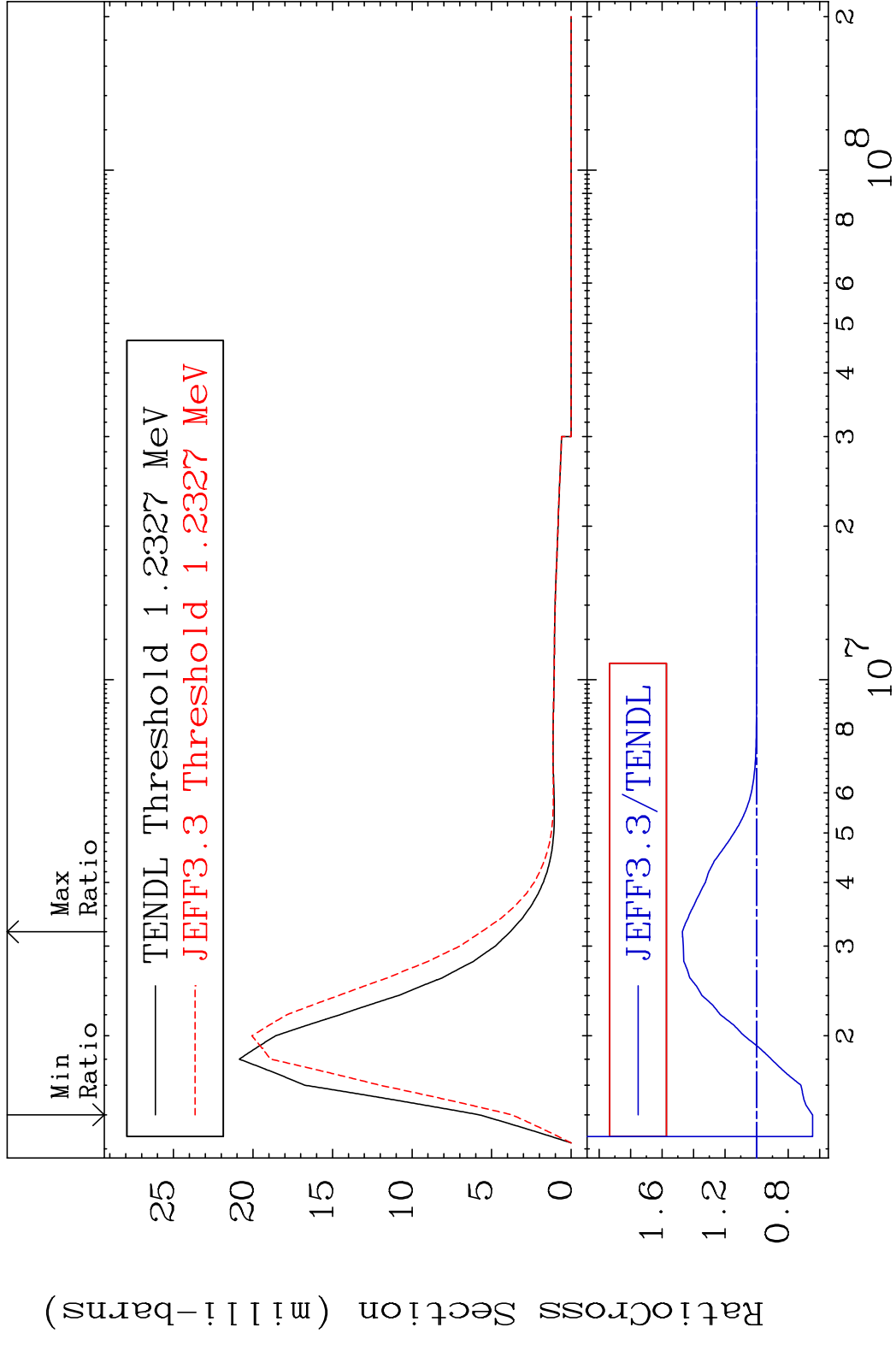
MAT 6649 MT= 62 (n, n') Level 66-Dy-164
 Cross Section -100.0 To 62.73 %



MAT 6649 MT= 63 (n, n') Level 66-Dy-164
 Cross Section -52.42 To 40.05 %



MAT 6649 MT= 64 (n, n') Level 66-Dy-164
 Cross Section -35.51 To 47.16 %

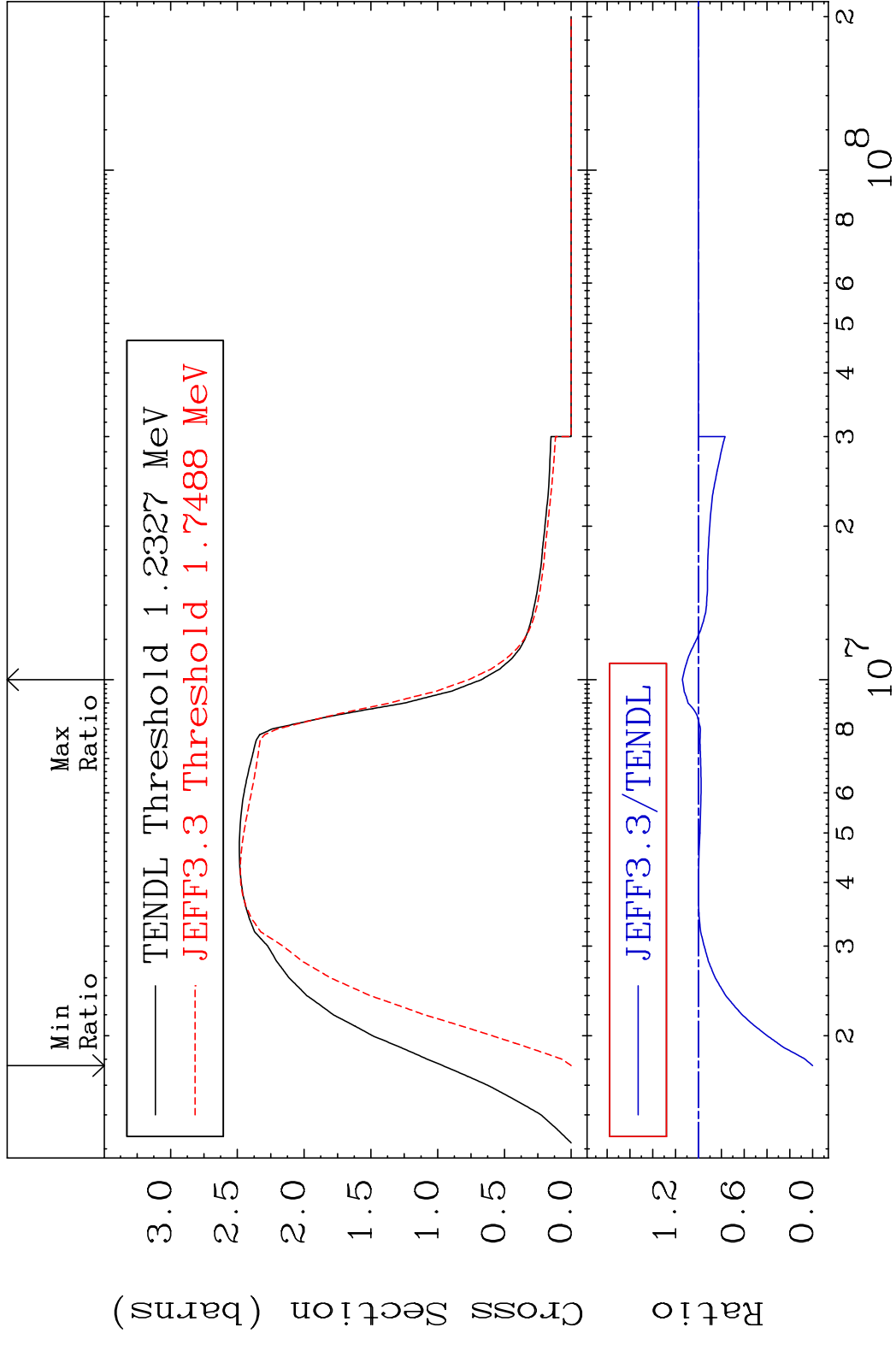


MAT 6649

(n, n') Continuum

66-Dy-164

Cross Section -100.0 To 14.12 %

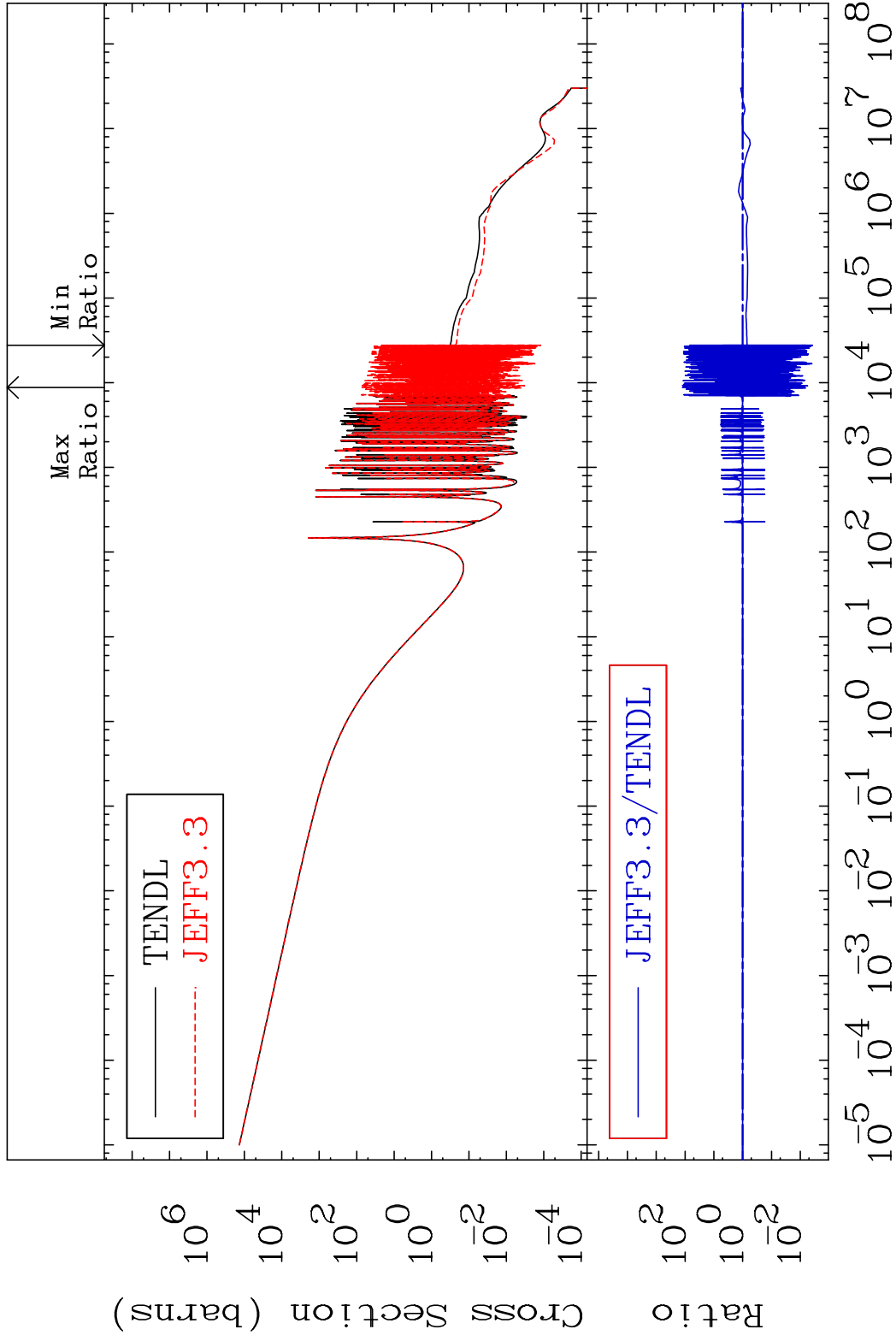


MAT 6649

(n, γ)

66-Dy-164

Cross Section -99.62 To 9999. %



35

Incident Energy (eV)

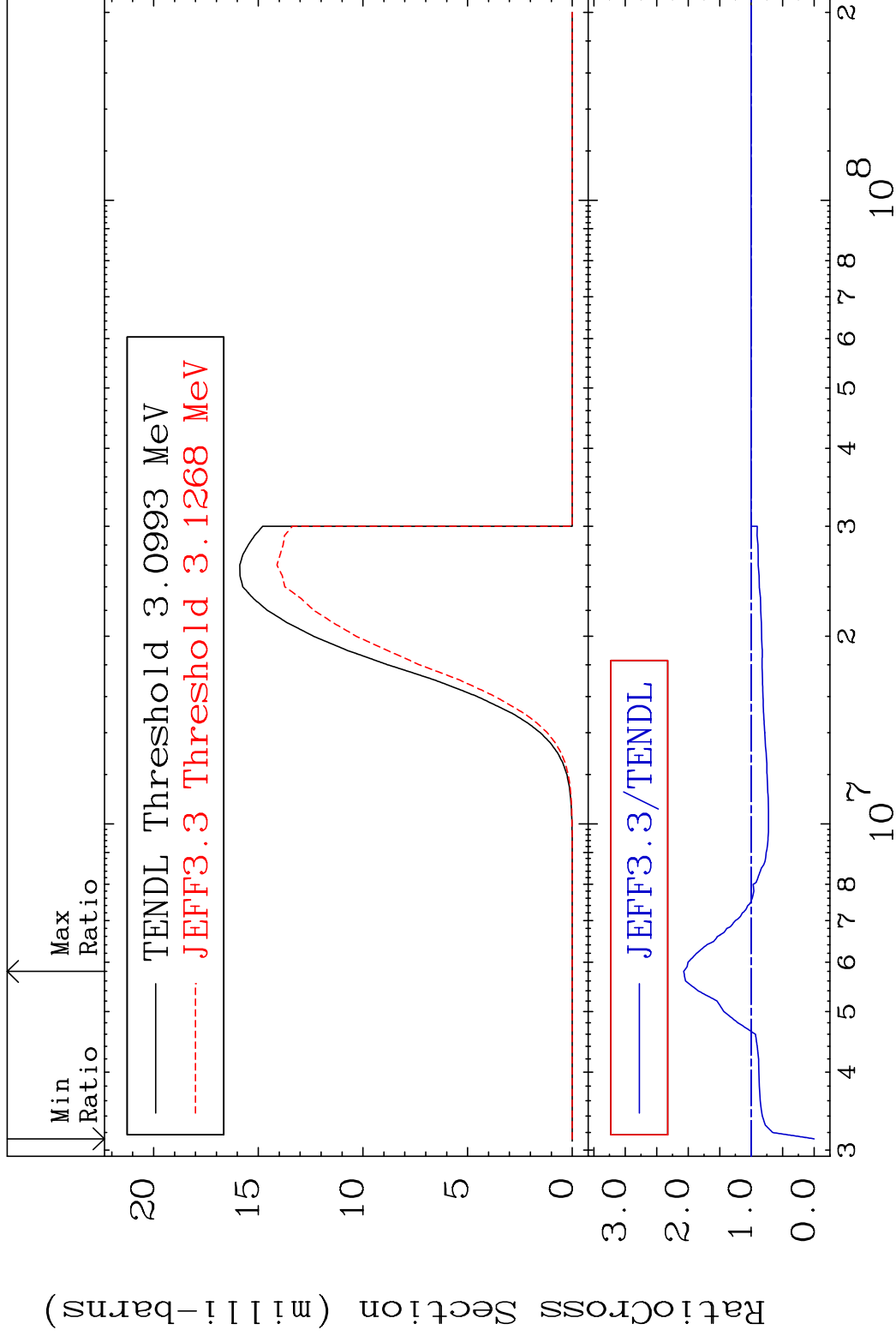
66-Dy-164

MAT 6649

(n, p)

66-Dy-164

Cross Section -100.0 To 107.2 %



36

Incident Energy (eV)

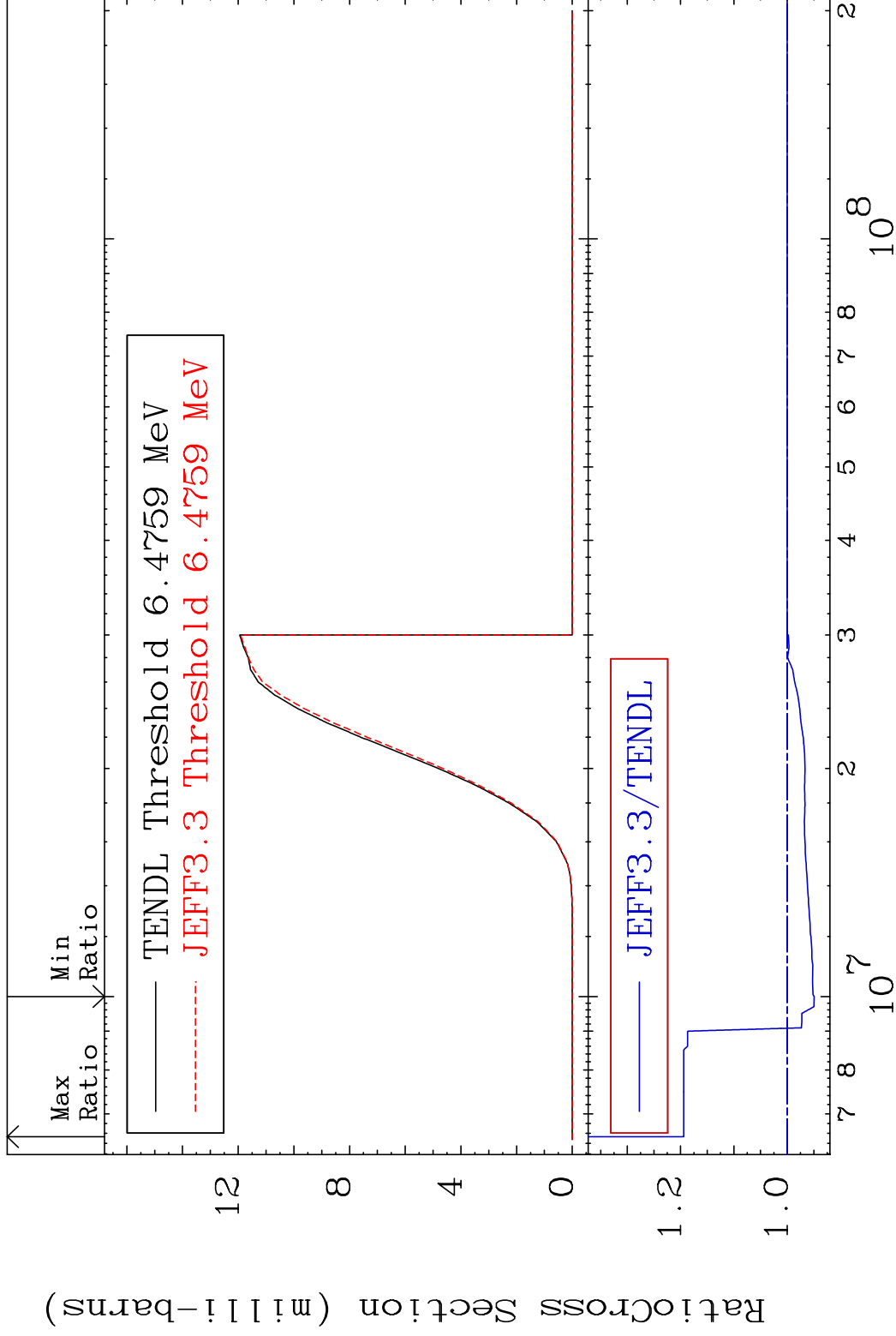
66-Dy-164

MAT 6649

(n, d)

66-Dy-164

Cross Section -5.051 To 19.42 %

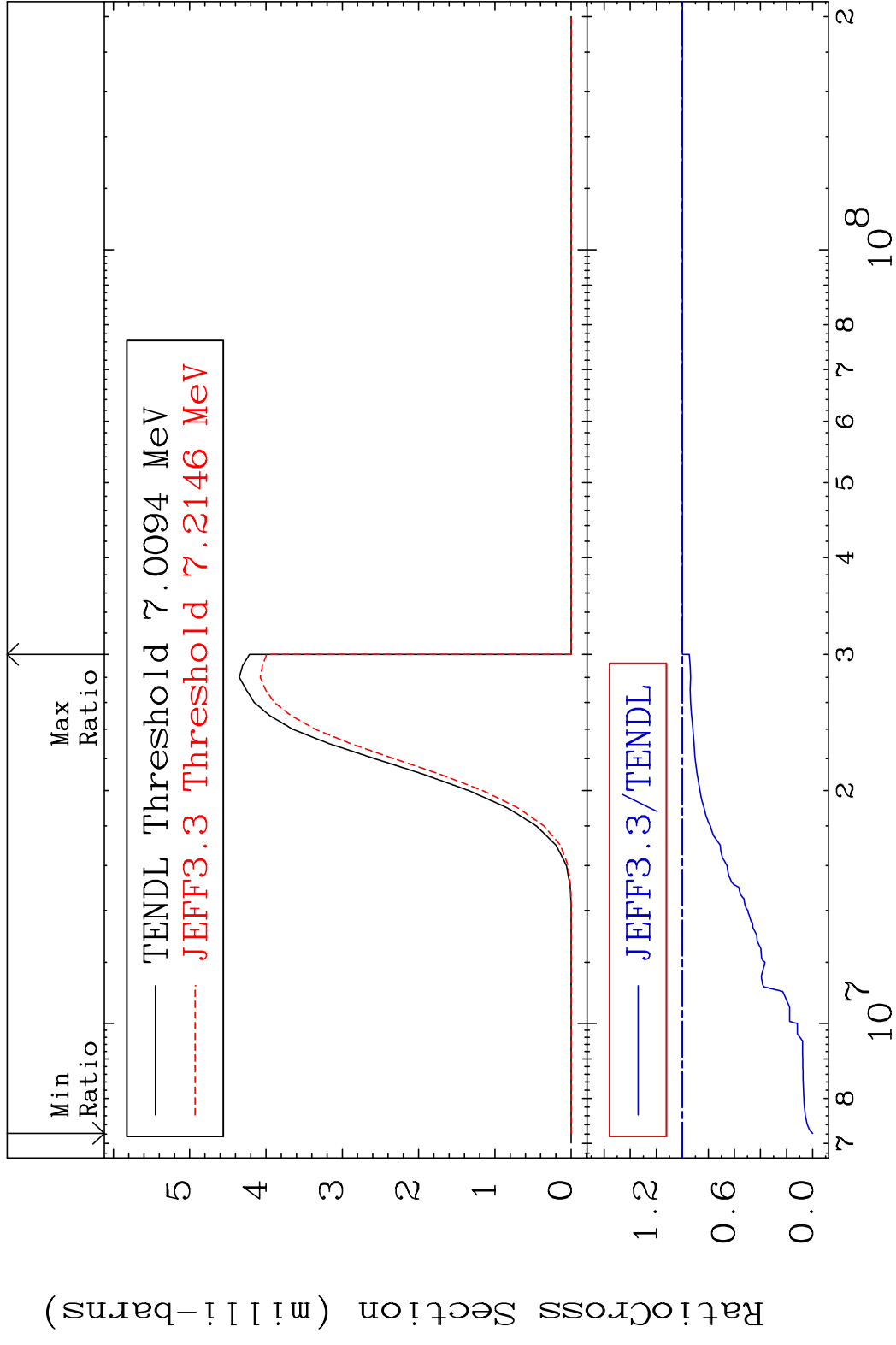


37

Incident Energy (eV)

66-Dy-164

MAT 6649 (n, t) 66-Dy-164
 Cross Section -100.0 To 0.000 %

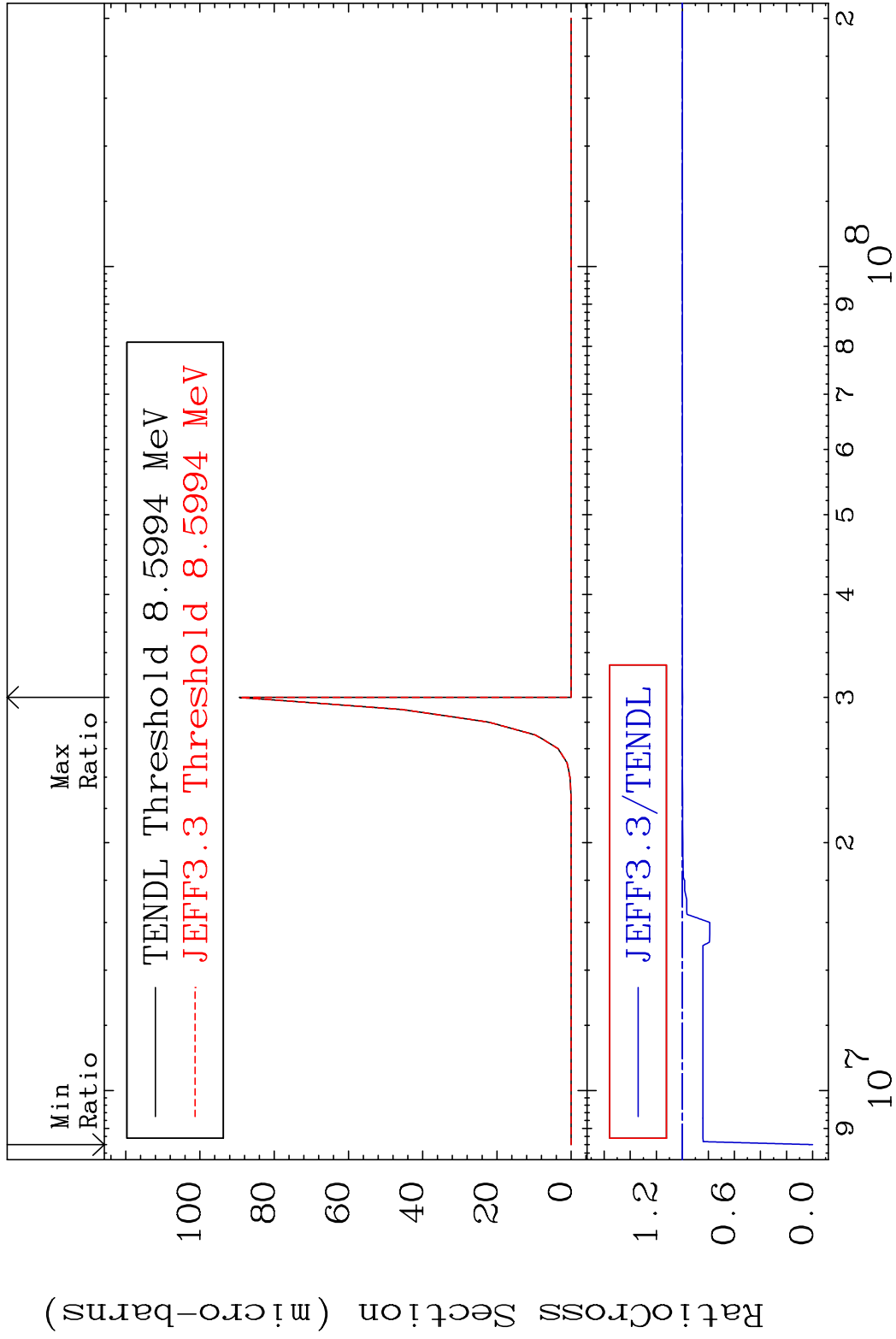


MAT 6649

(n, He-3)

66-Dy-164

Cross Section -100.0 To 0.000 %



39

Incident Energy (eV)

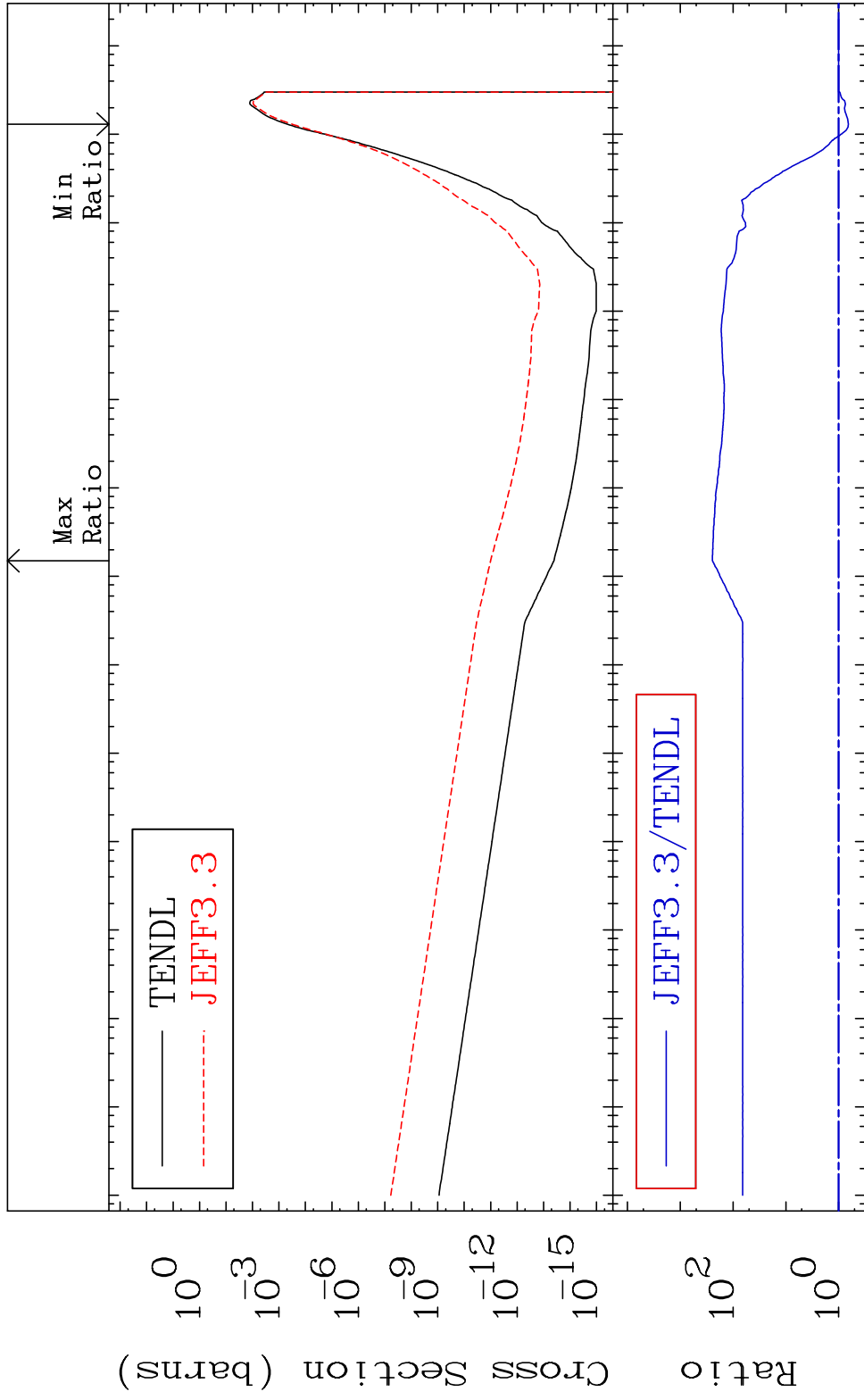
66-Dy-164

MAT 6649

(n, α)

66-Dy-164

Cross Section -34.35 To 9999. %



40

Incident Energy (eV)

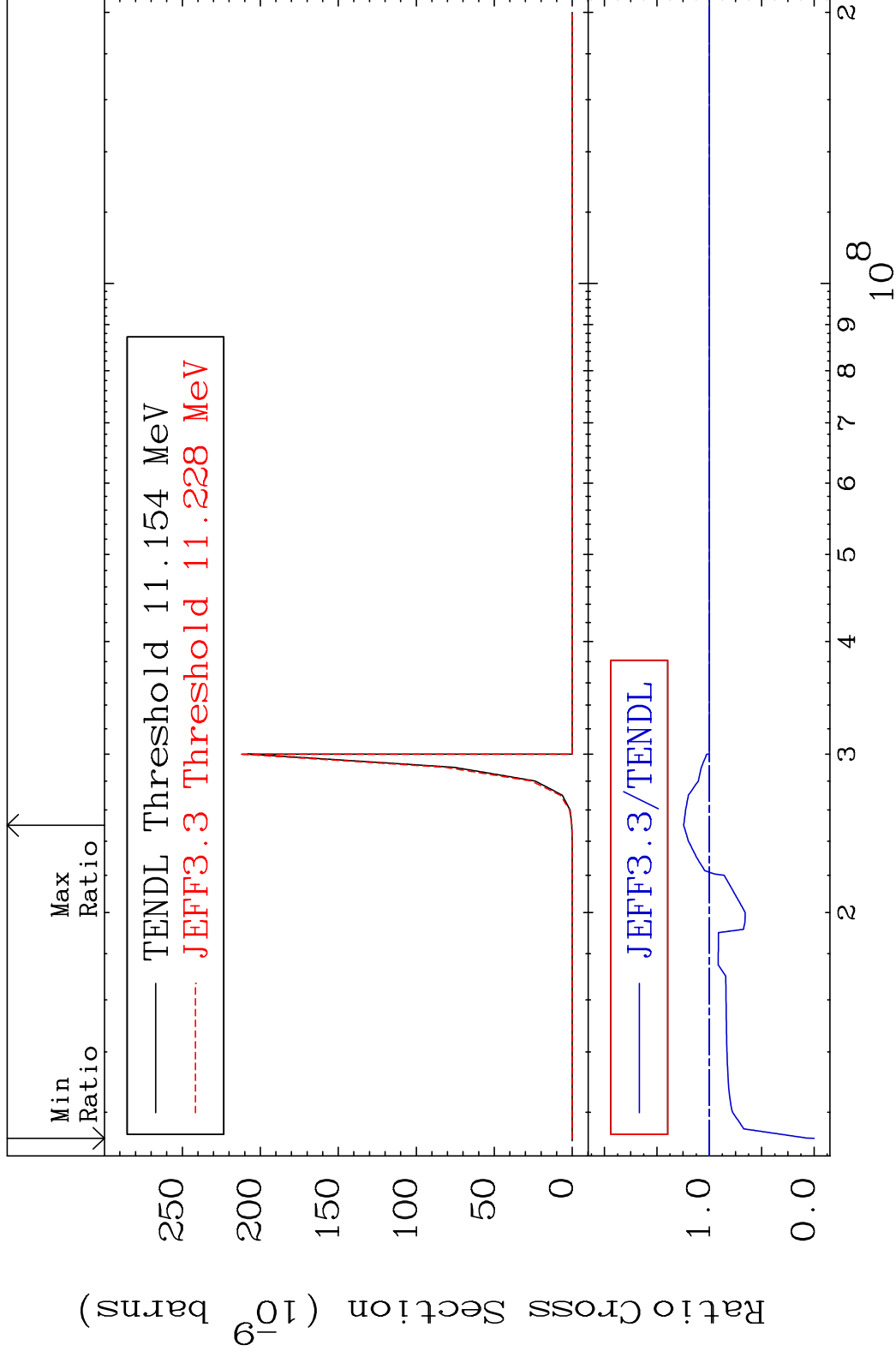
66-Dy-164

MAT 6649

(n,2p)

66-Dy-164

Cross Section -100.0 To 24.46 %

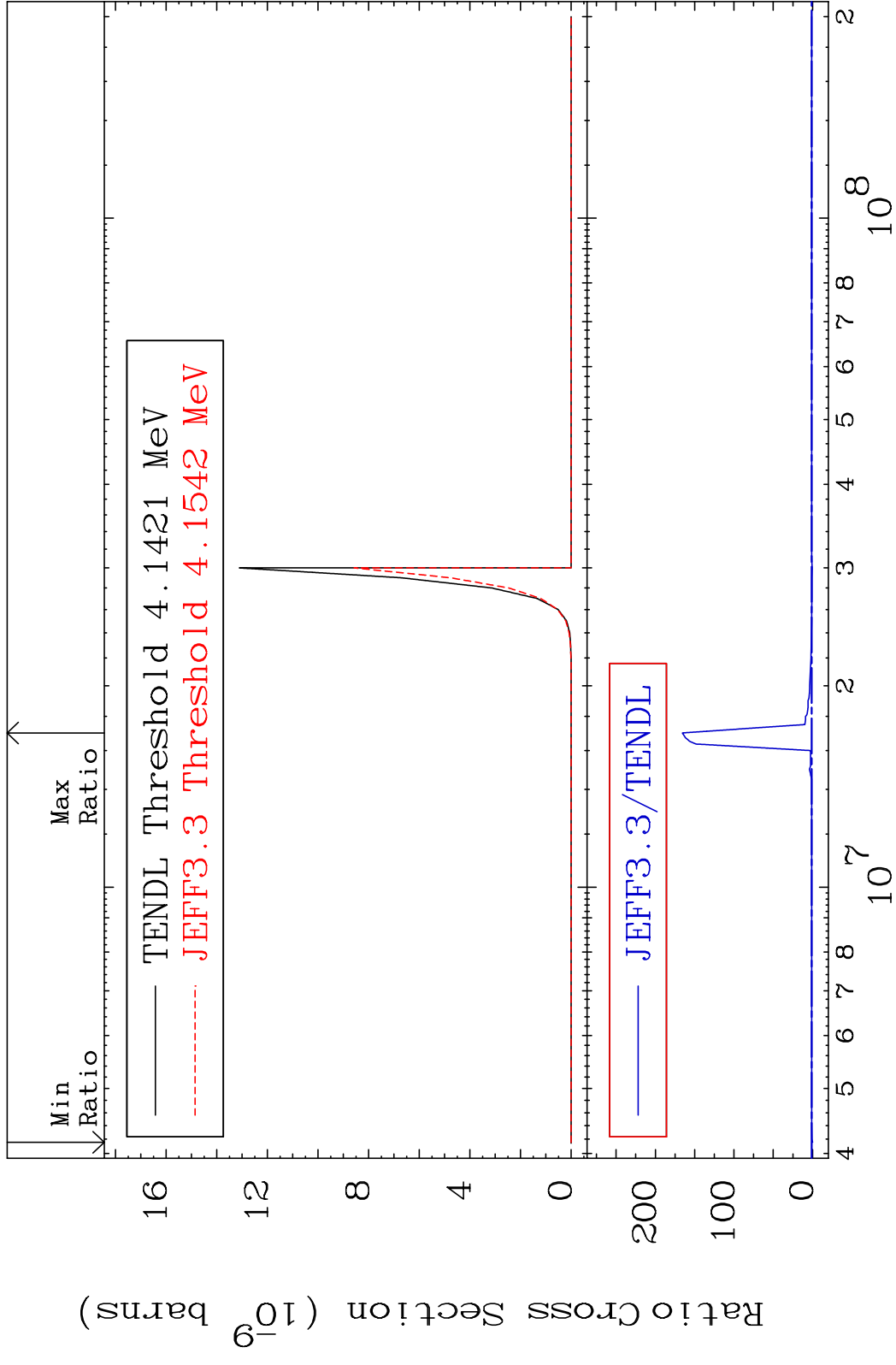


41

Incident Energy (eV)

66-Dy-164

MAT 6649 (n,p) α 66-Dy-164
 Cross Section -100.0 To 9999. %

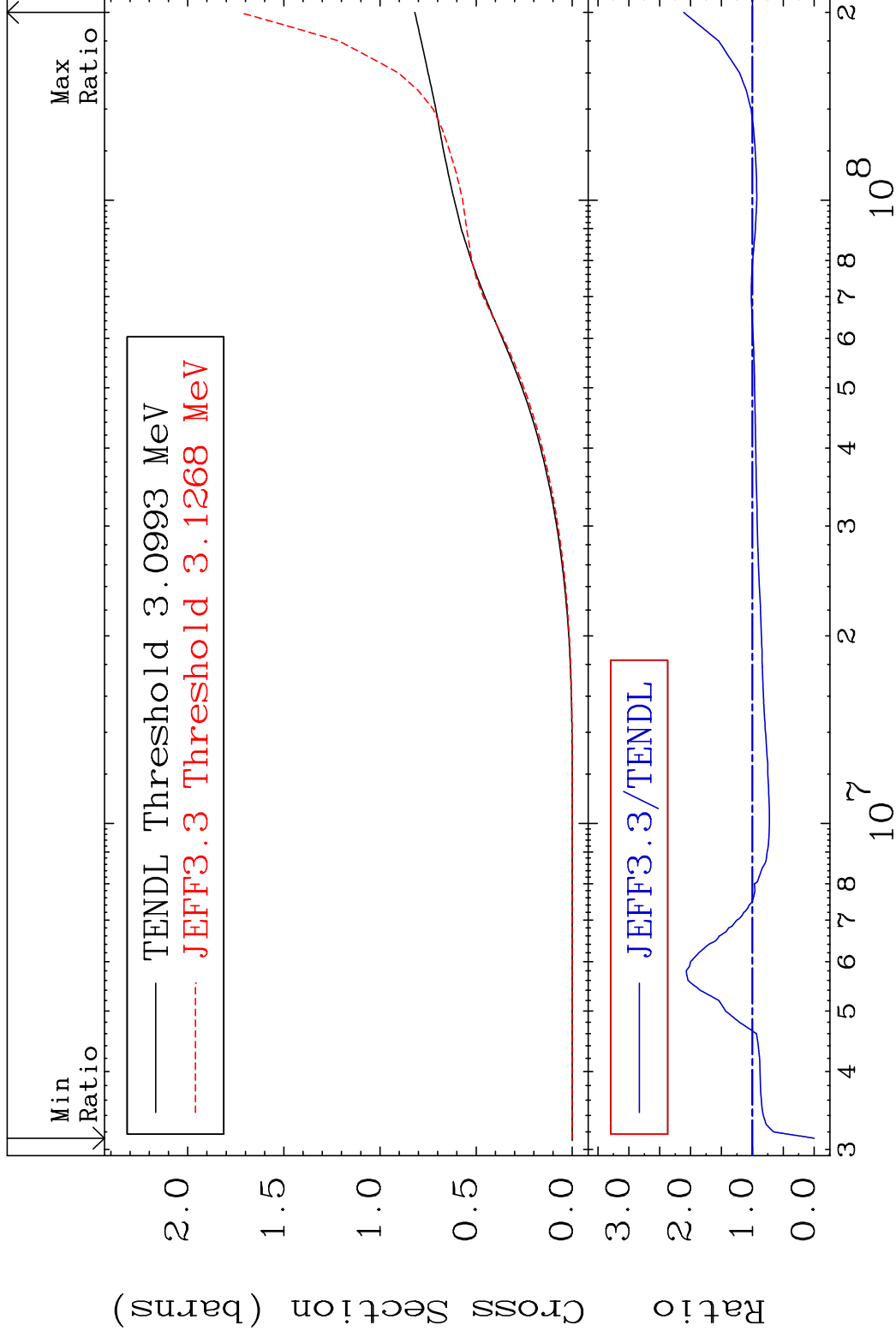


MAT 6649

Hydrogen Production

66-Dy-164

Cross Section -100.0 To 111.2 %



43

Incident Energy (eV)

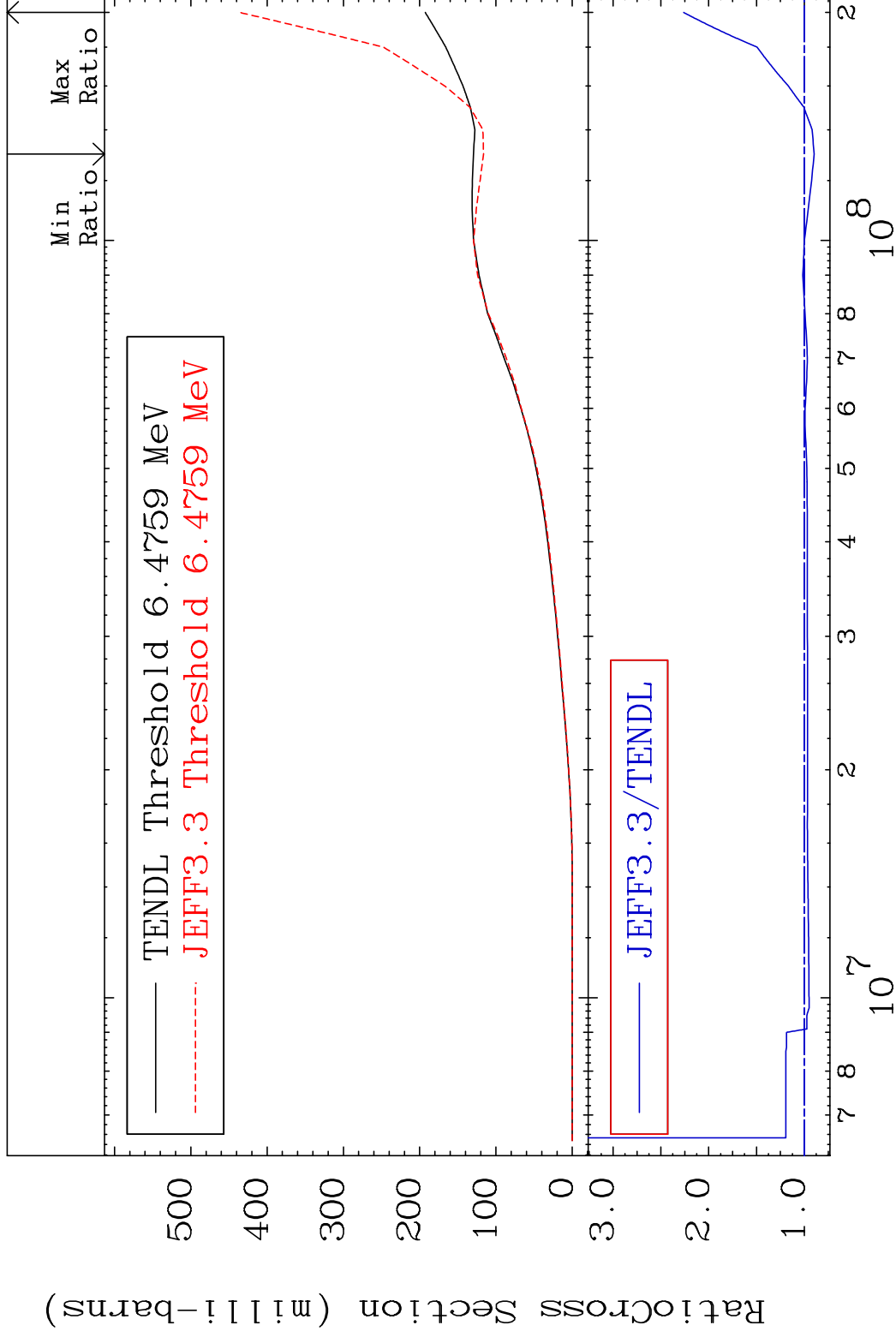
66-Dy-164

MAT 6649

Deuterium Production

66-Dy-164

Cross Section -10.24 To 126.2 %



44

Incident Energy (eV)

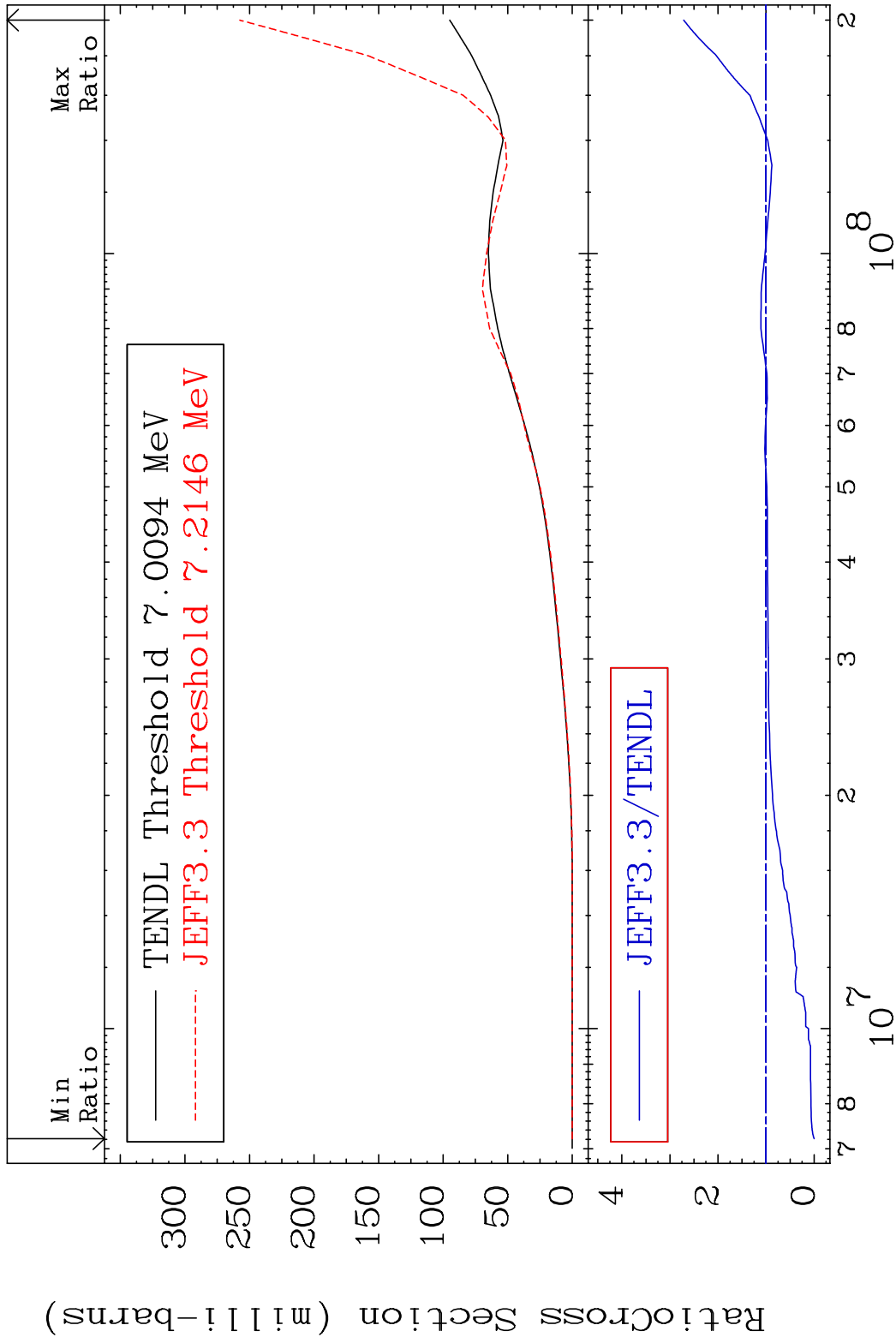
66-Dy-164

MAT 6649

Tritium Production

66-Dy-164

Cross Section -100.0 To 171.4 %



45

Incident Energy (eV)

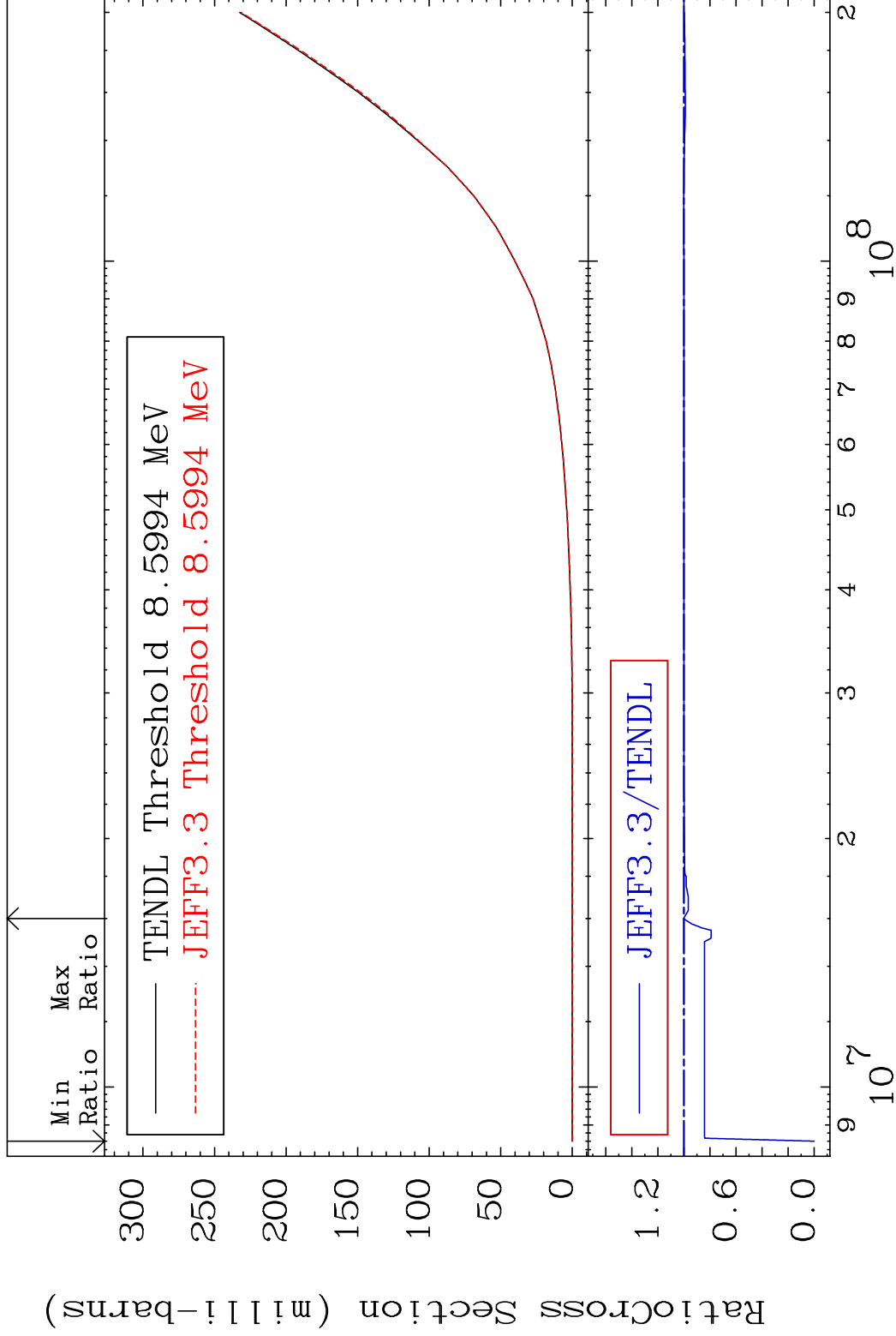
66-Dy-164

MAT 6649

He-3 Production

66-Dy-164

Cross Section -100.0 To 0.154 %



46

Incident Energy (eV)

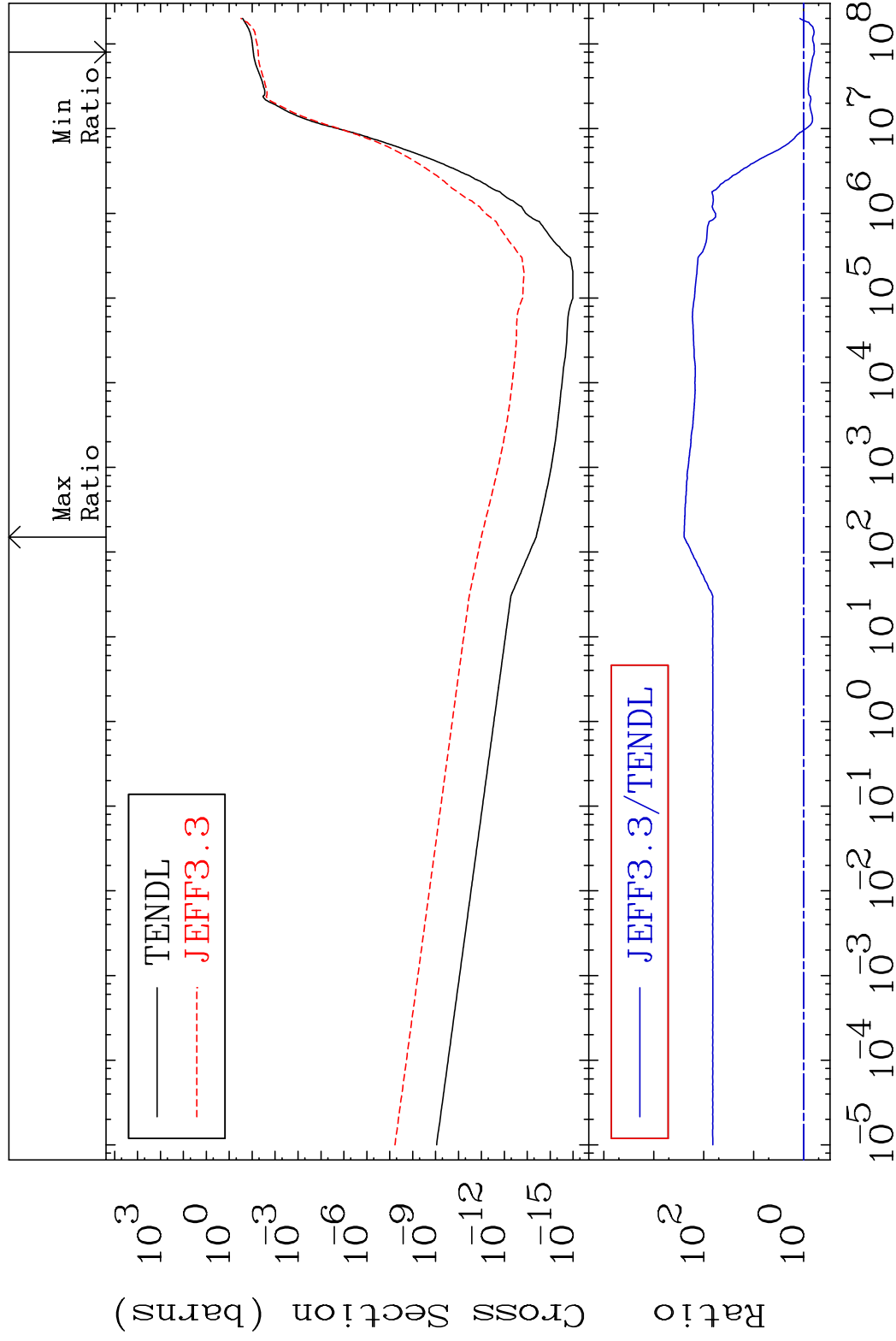
66-Dy-164

MAT 6649

He-4 Production

66-Dy-164

Cross Section -38.90 To 9999. %

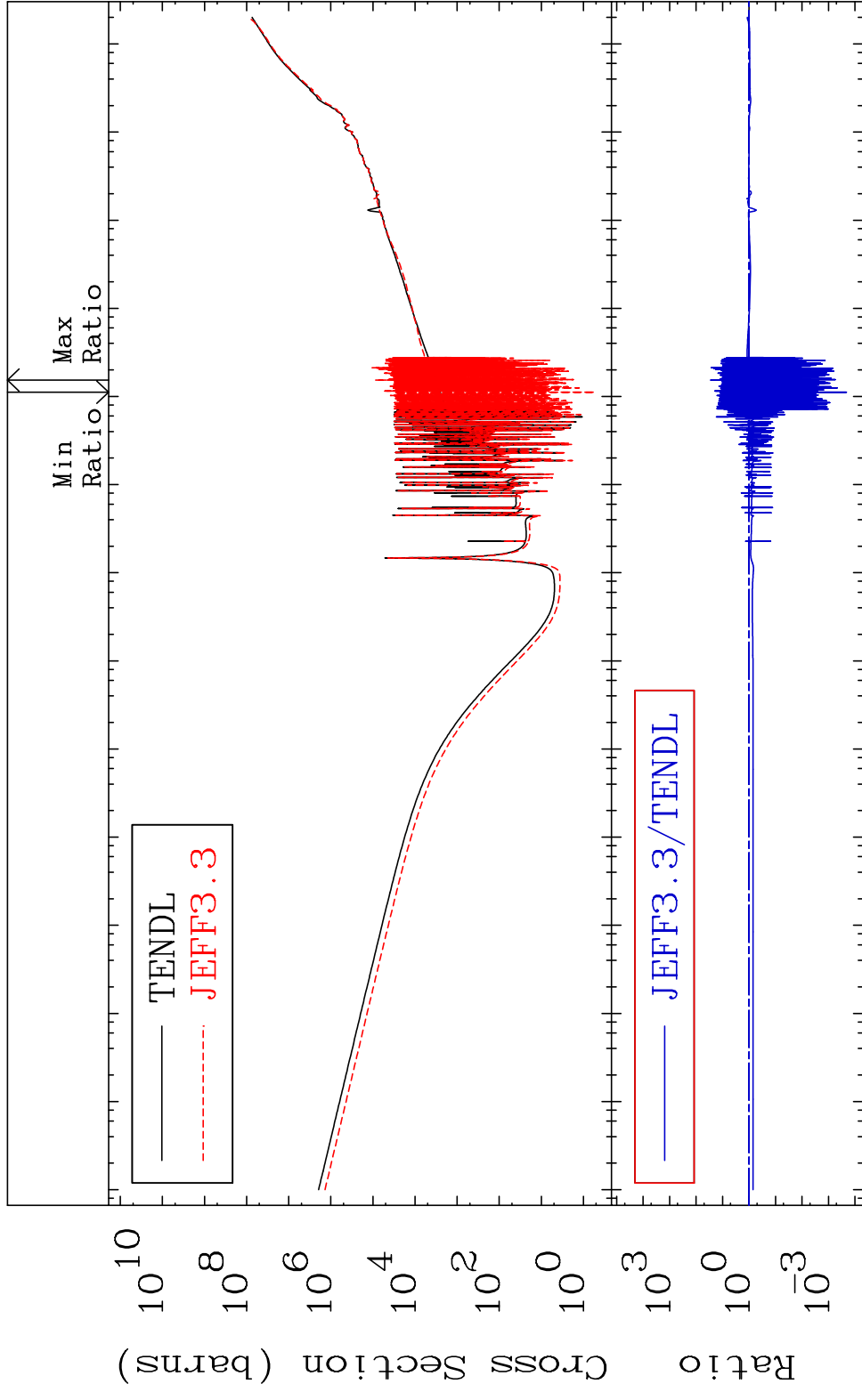


47

Incident Energy (eV)

66-Dy-164

MAT 6649 Kerma total (eV-barns) 66-Dy-164
 Cross Section -99.98 To 2708. %

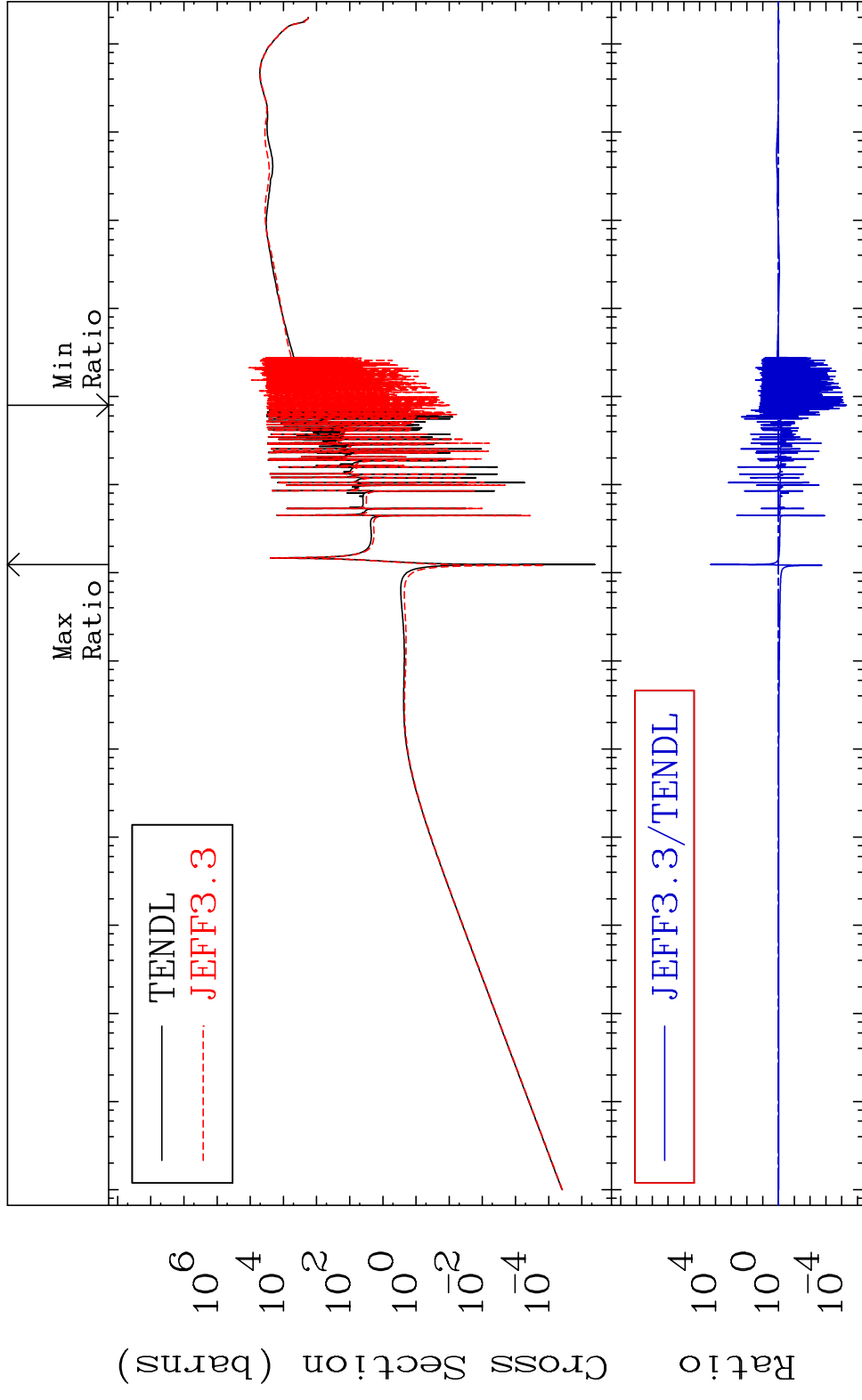


48 Incident Energy (eV) 66-Dy-164

MAT 6649

Kerma elastic
Cross Section

66-Dy-164
-99.99 To 9999. %

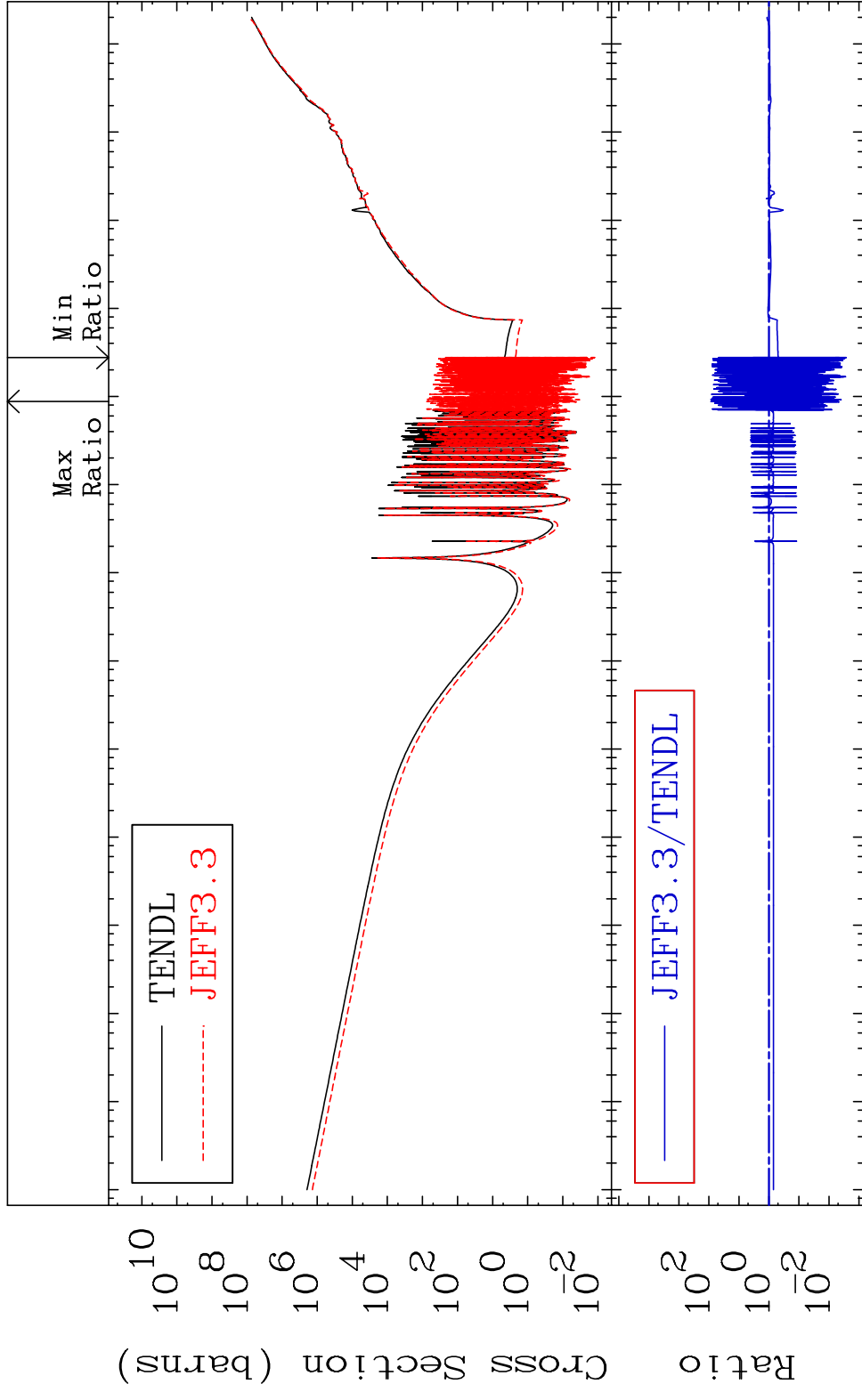


49

Incident Energy (eV)

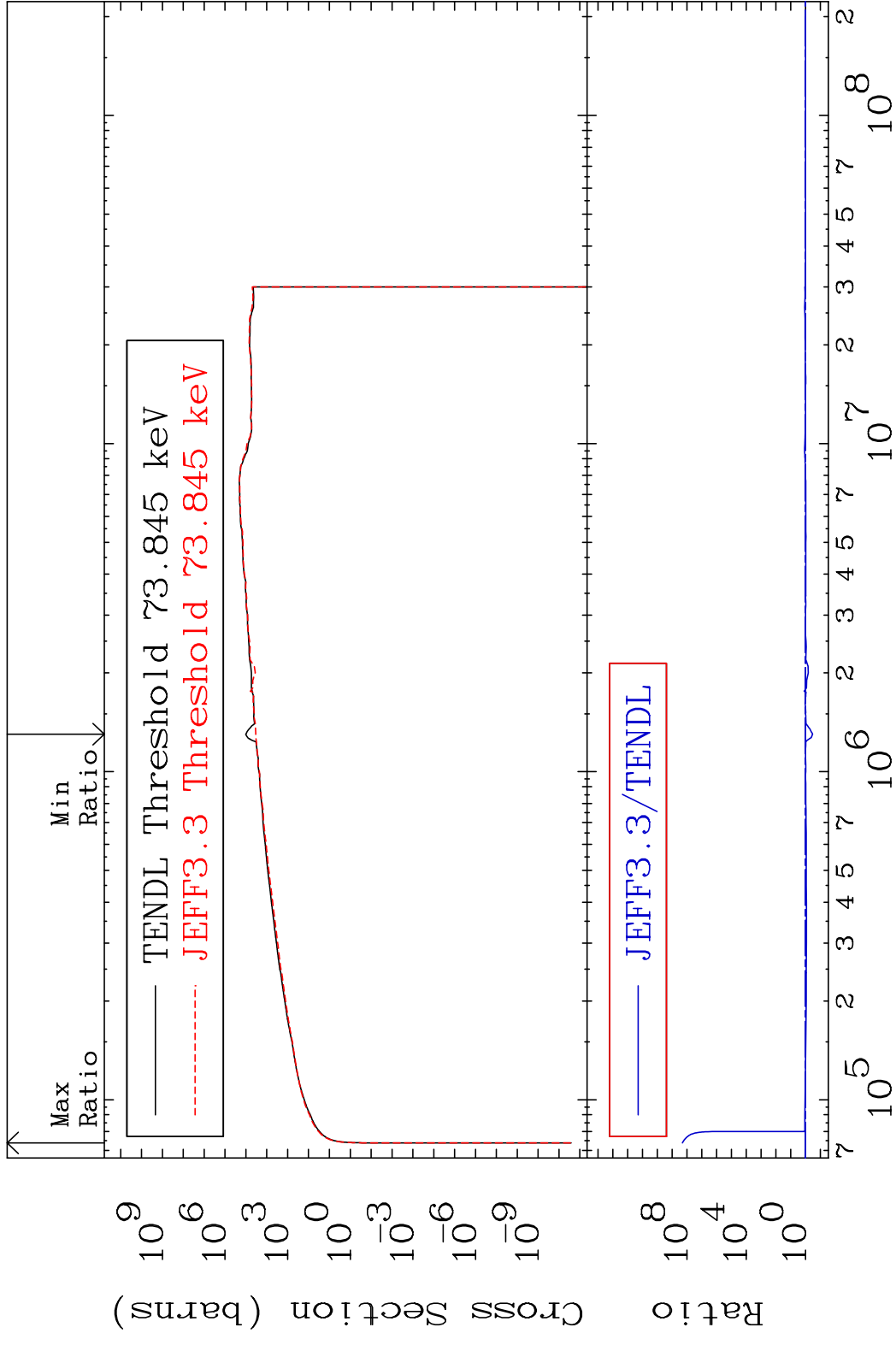
66-Dy-164

MAT 6649 Kerma non-elastic (all but mt2) 66-Dy-164
 Cross Section -99.74 To 8619. %

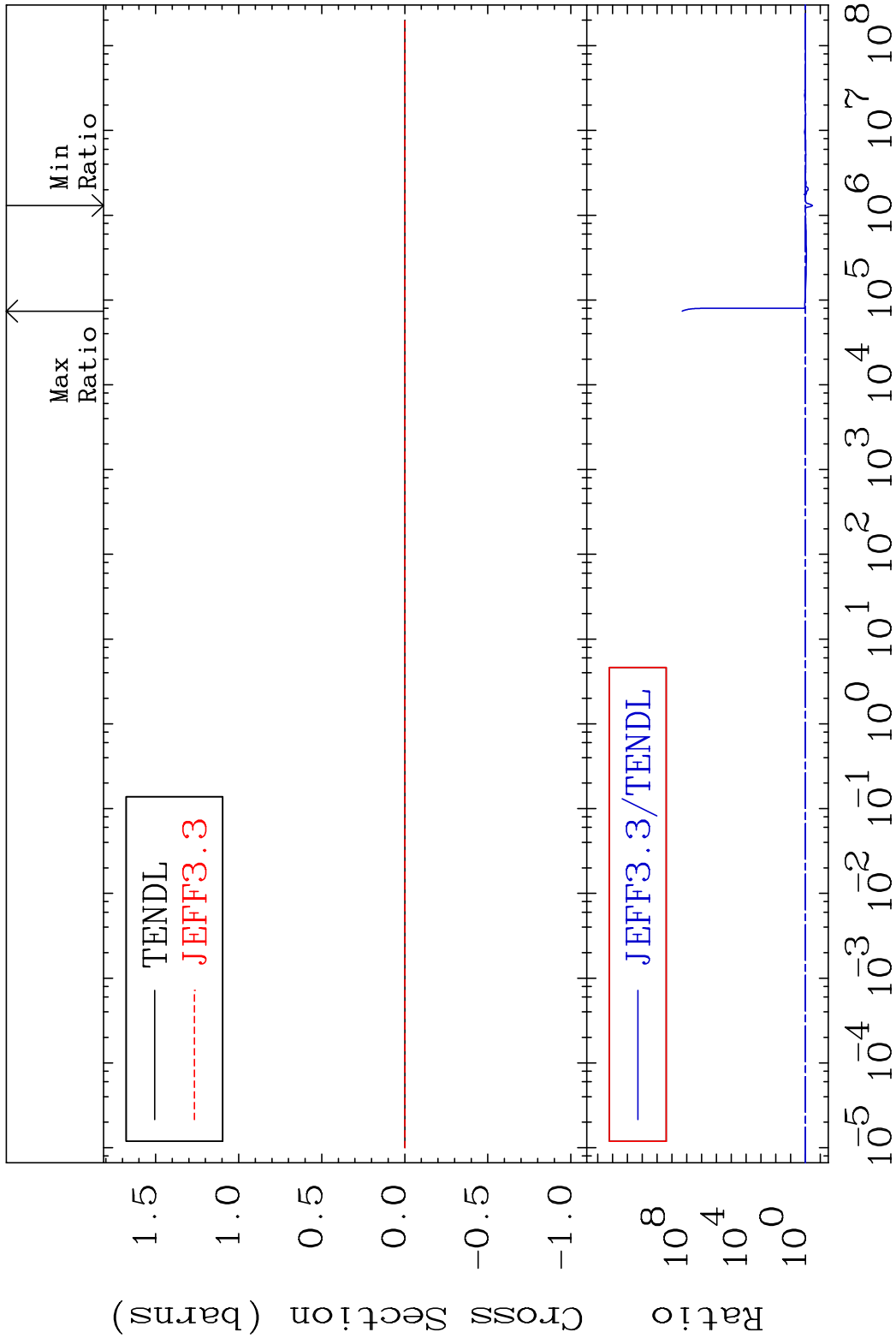


50 Incident Energy (eV) 66-Dy-164

MAT 6649 Kerma inelastic (mt51-91) 66-Dy-164
 Cross Section -66.43 To 9999. %

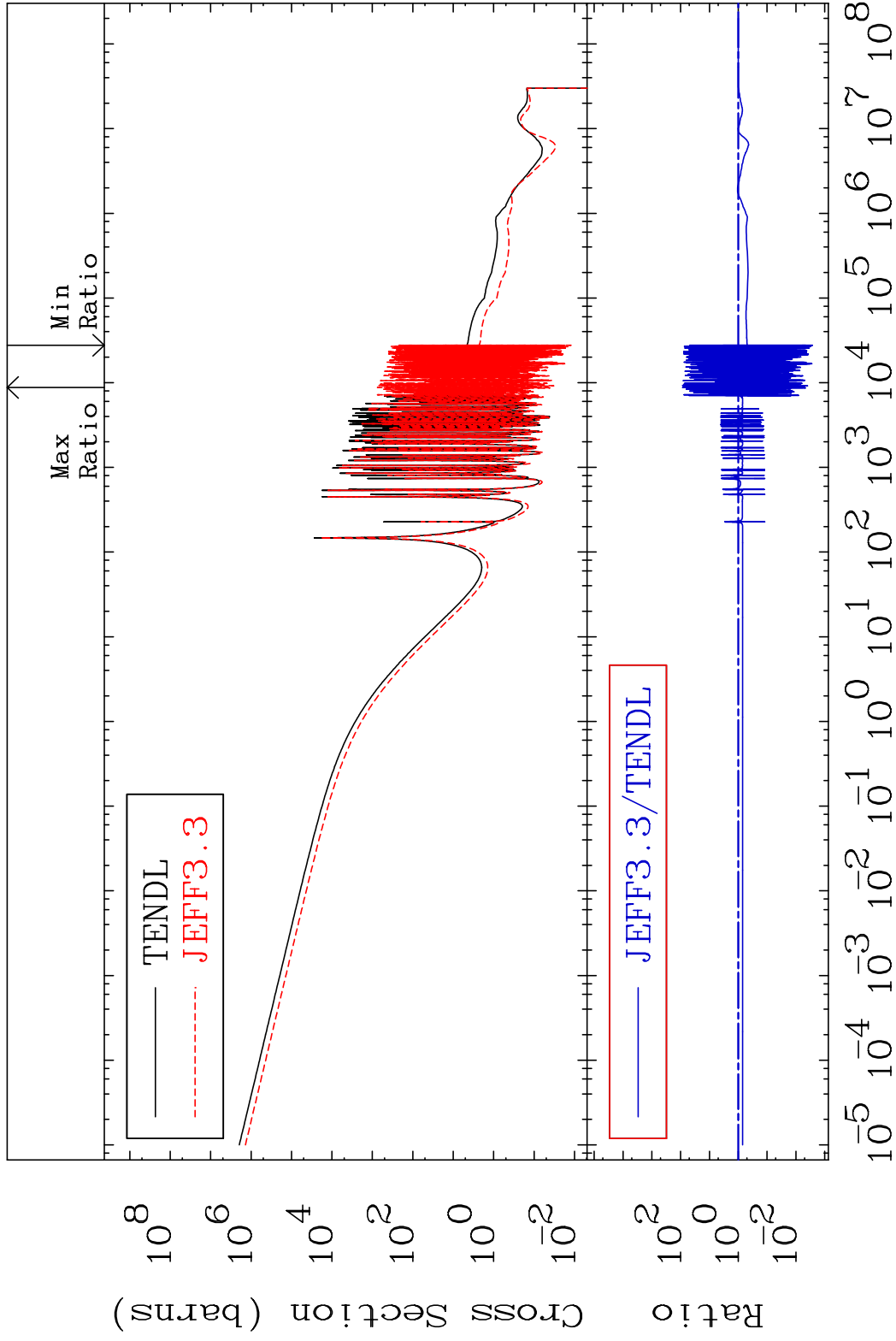


MAT 6649 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-164
 Cross Section -66.43 To 9999. %



MAT 6649

Kerma capture (mt102) 66-Dy-164
Cross Section -99.74 To 8619. %



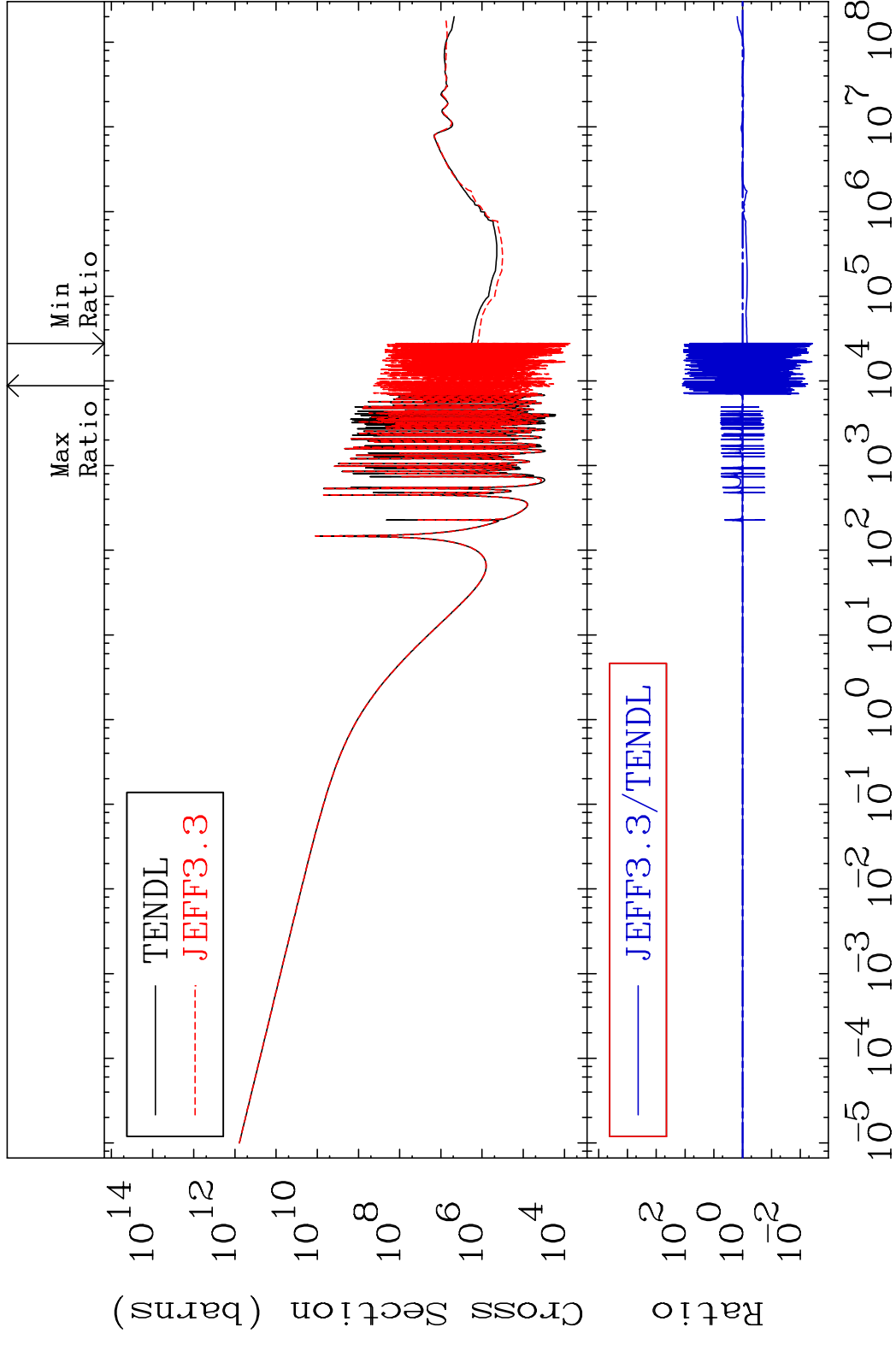
53

Incident Energy (eV)

66-Dy-164

MAT 6649

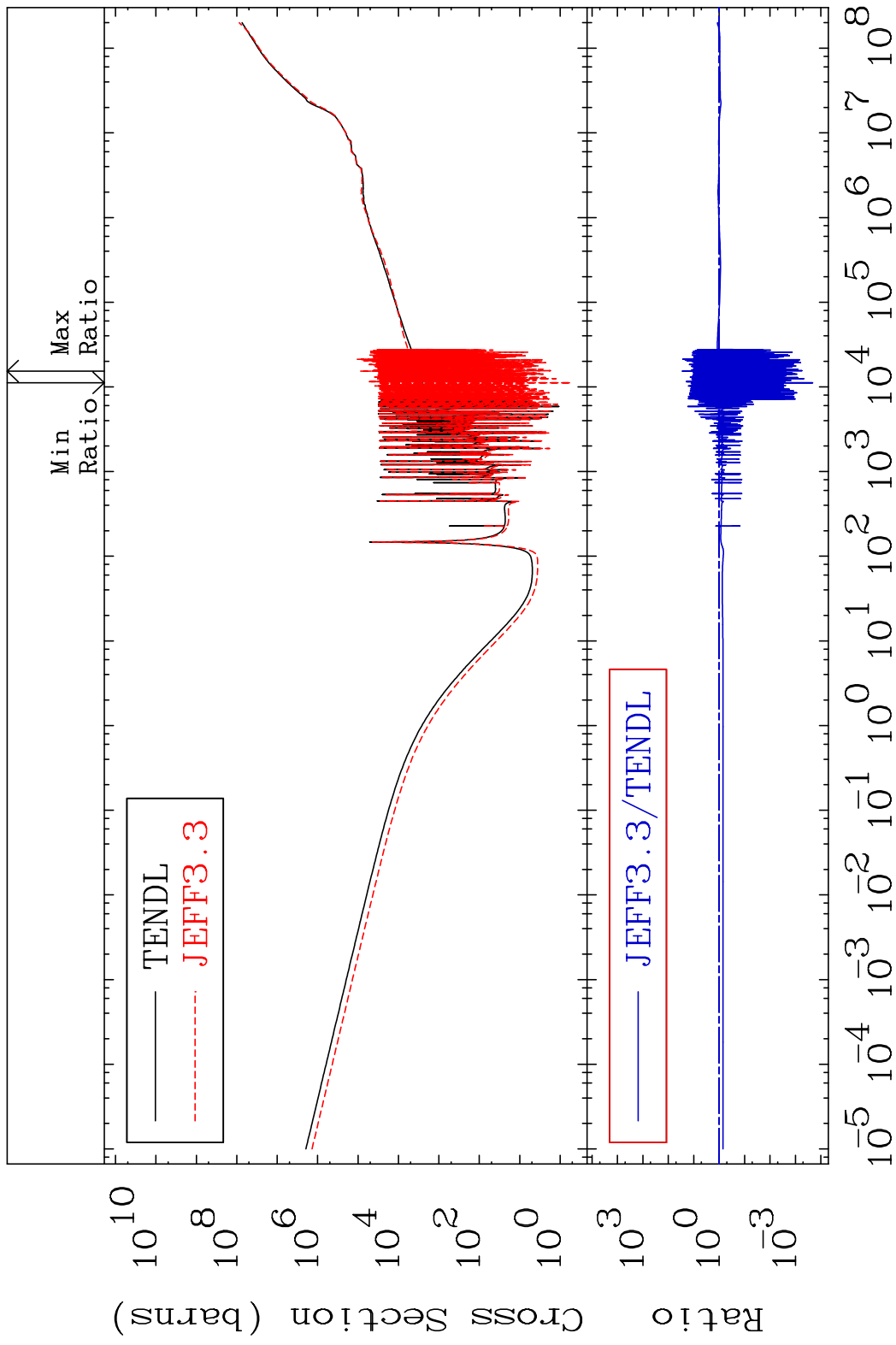
Total photon (eV-barns) 66-Dy-164
Cross Section -99.62 To 9999. %



54

Incident Energy (eV) 66-Dy-164

MAT 6649 Total kinematic kerma (high limit) 66-Dy-164
 Cross Section -99.98 To 2708. %

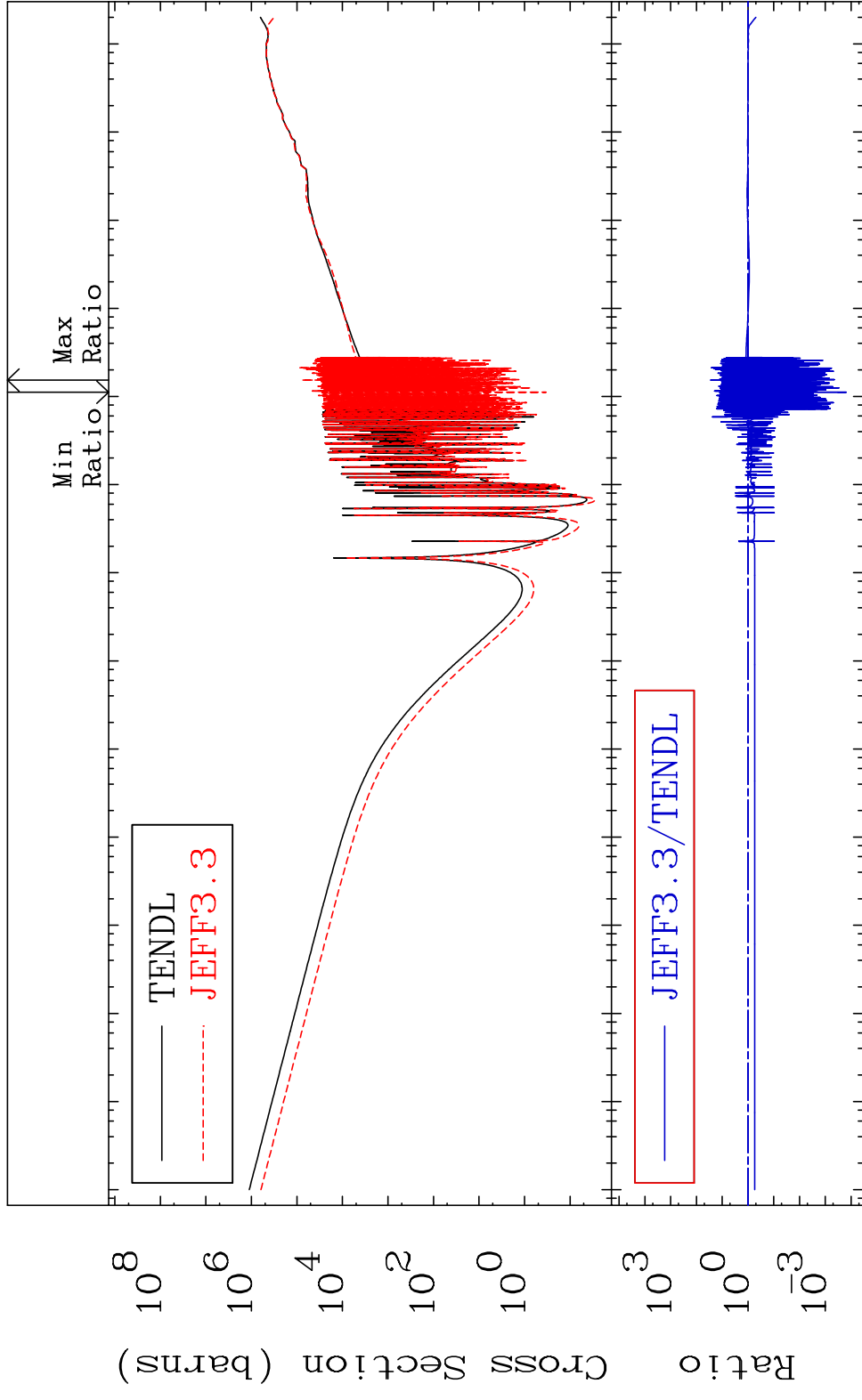


MAT 6649

Dpa total (eV-barns)

66-Dy-164

Cross Section -99.98 To 2705. %

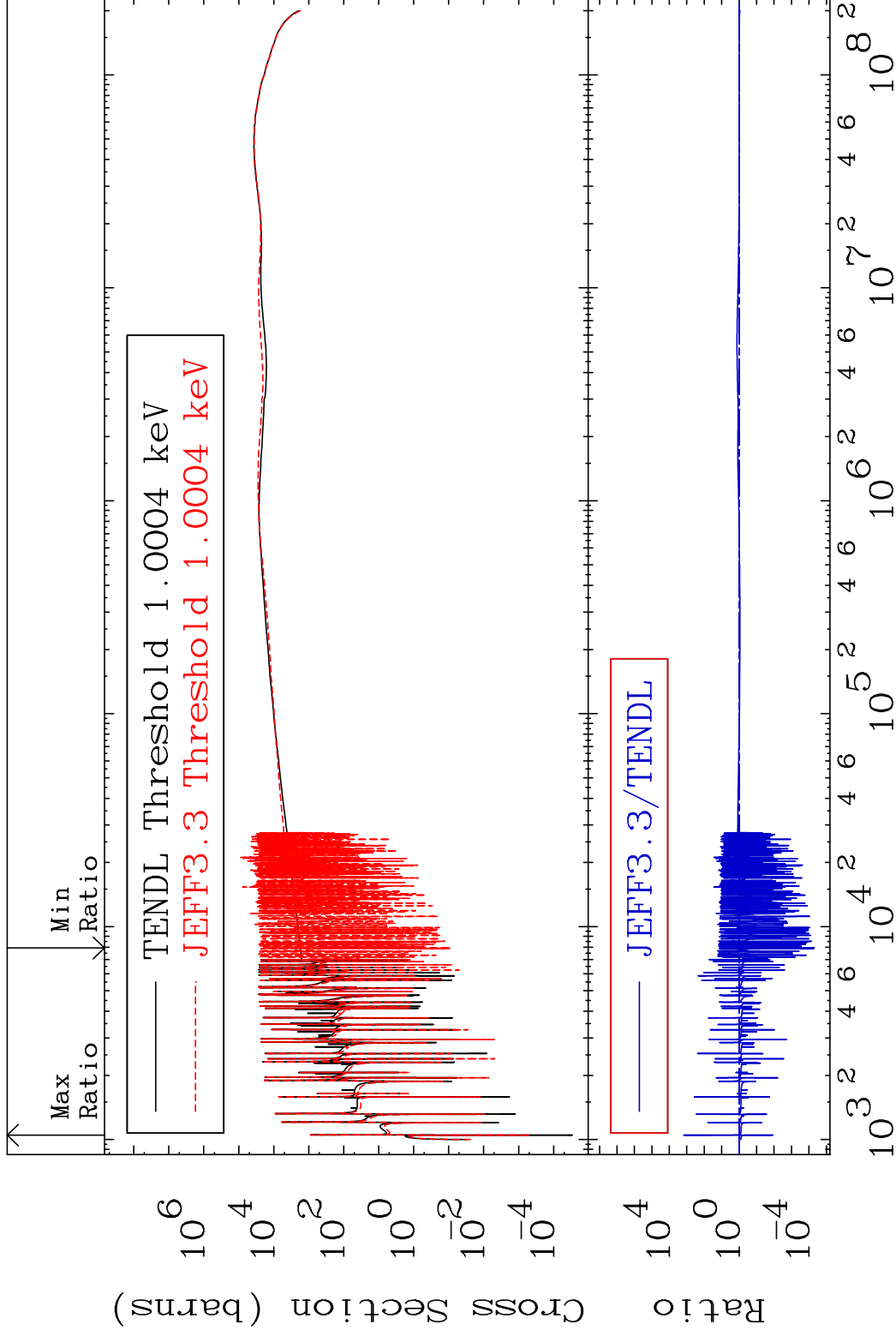


MAT 6649

Dpa elastic (mt2)

66-Dy-164

Cross Section -99.99 To 9999. %

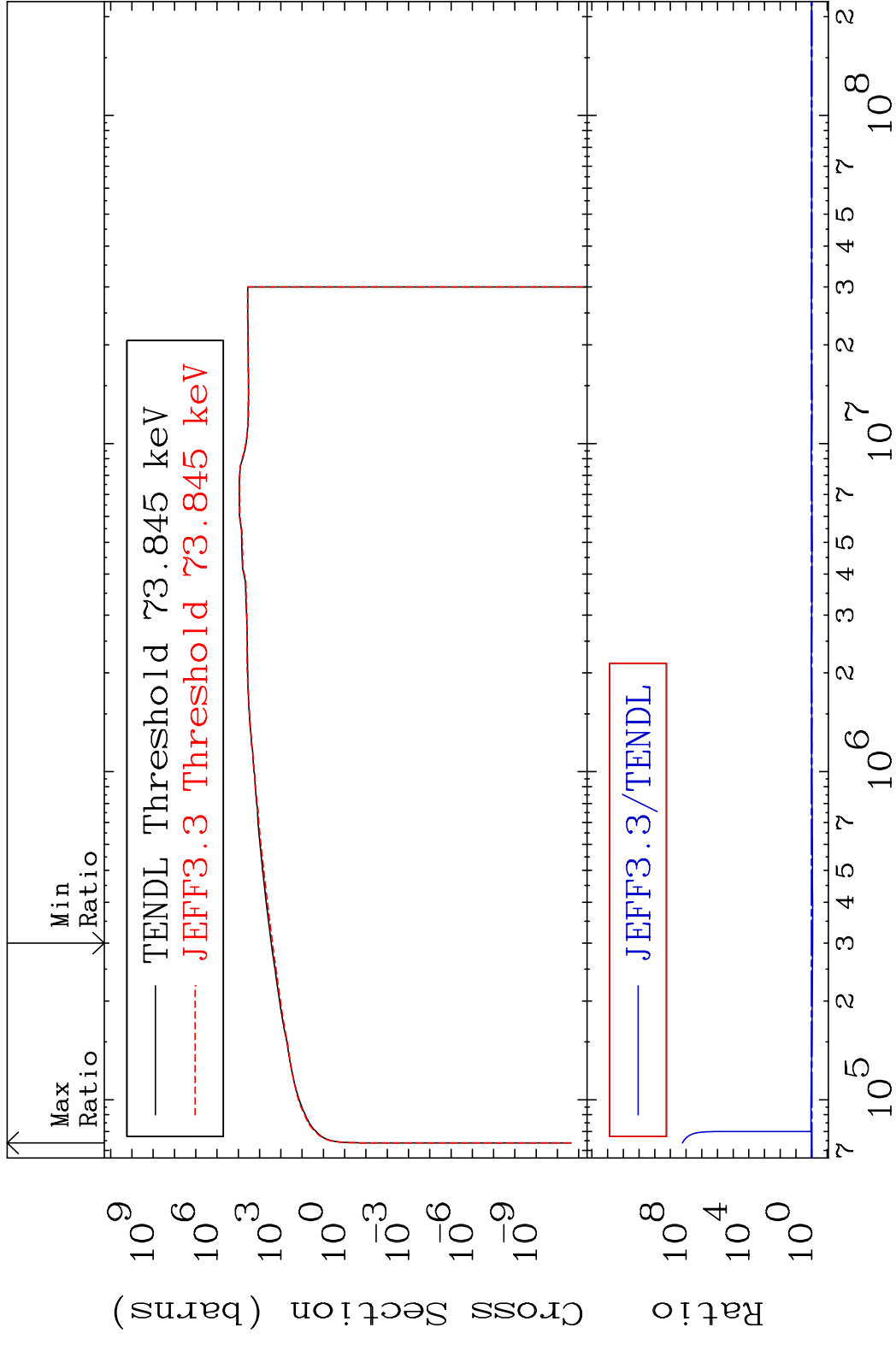


57

Incident Energy (eV)

66-Dy-164

MAT 6649 Dpa inelastic (mt51-91) 66-Dy-164
 Cross Section -12.81 To 9999. %



MAT 6649 Dpa disappearance (mt102 -120) 66-Dy-164
 Cross Section -99.79 To 6811. %

