

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

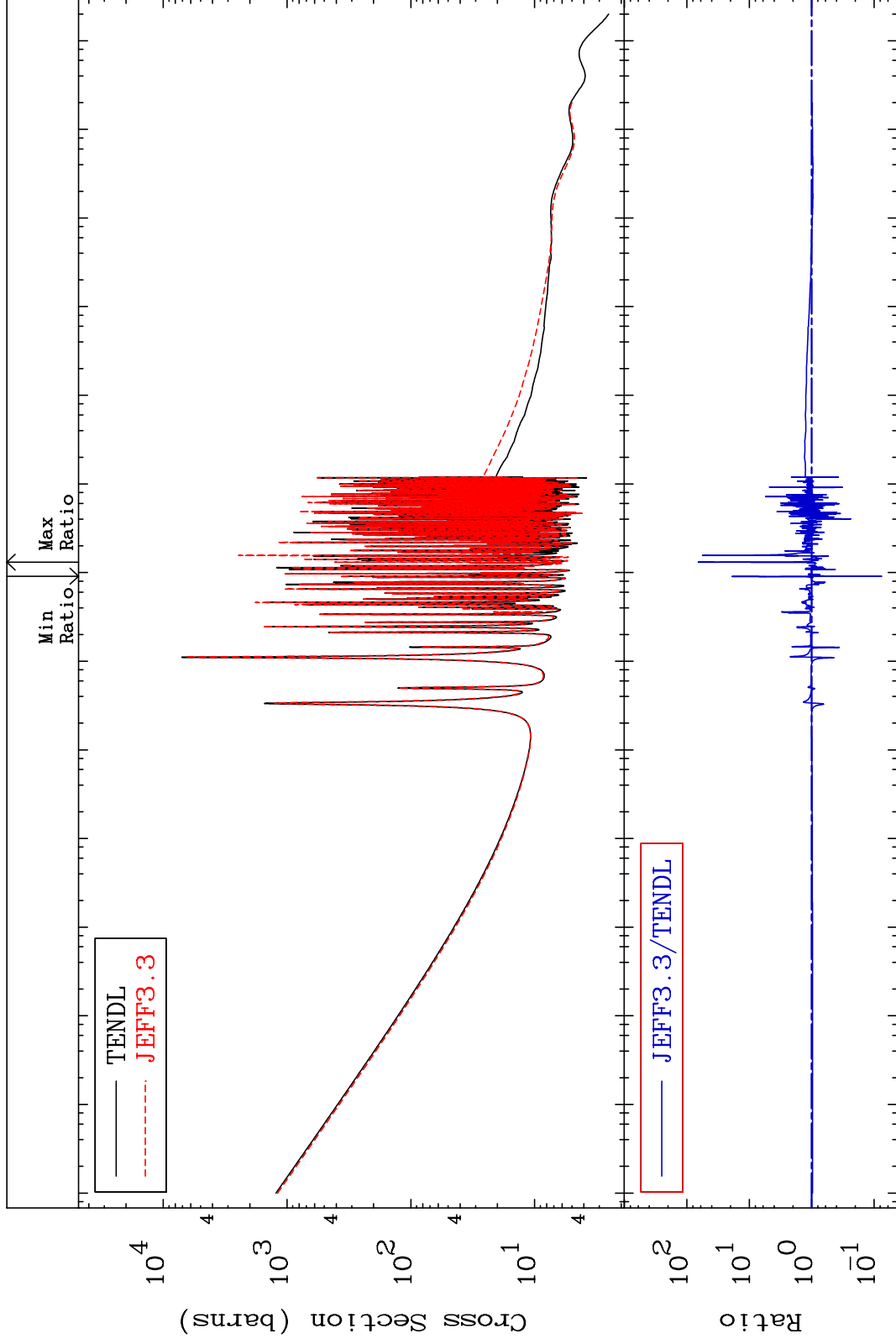
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6525

Total
Cross Section

65-Tb-159
-92.38 To 6430. %



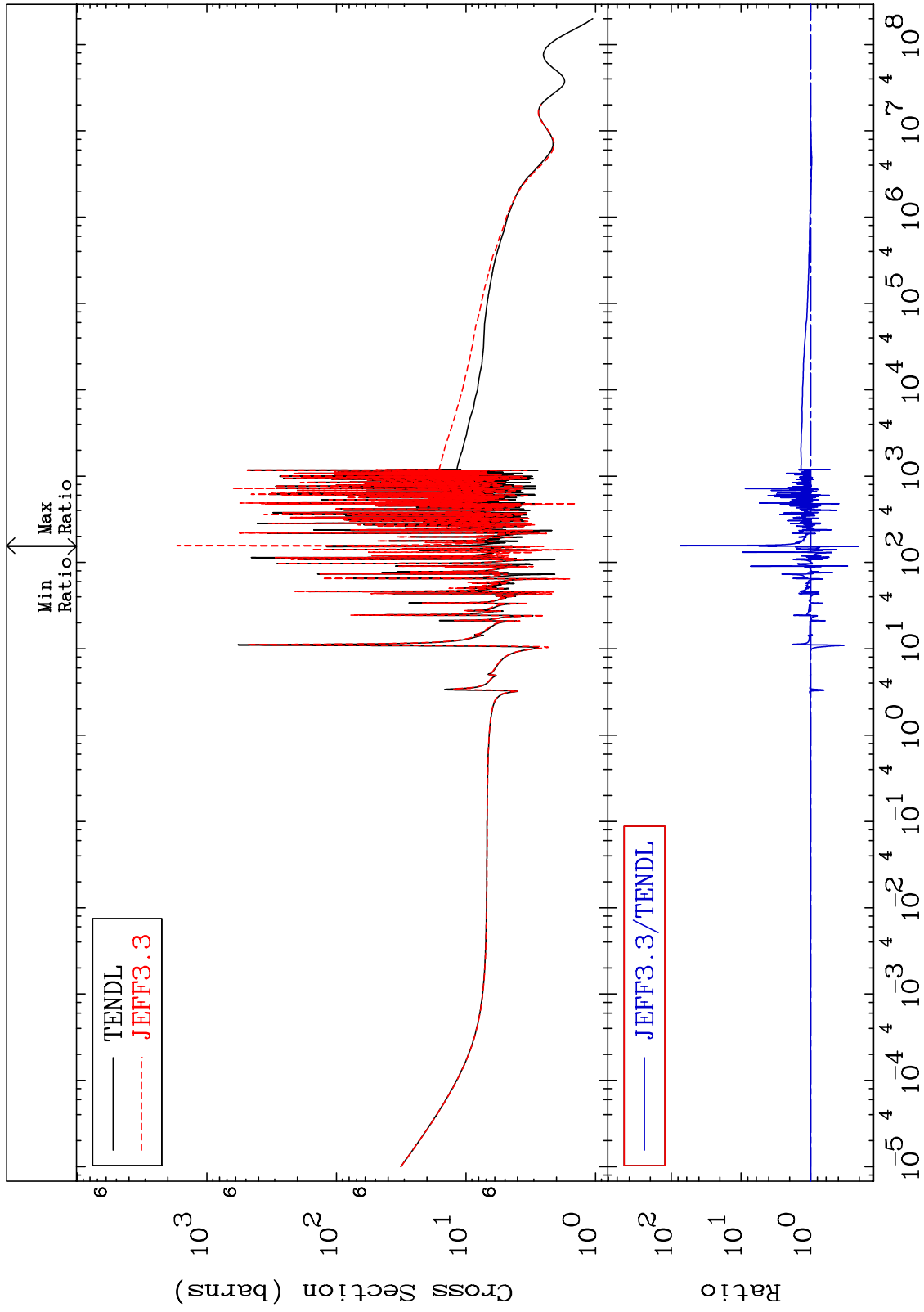
65-Tb-159

Incident Energy (eV)

MAT 6525

Elastic
Cross Section

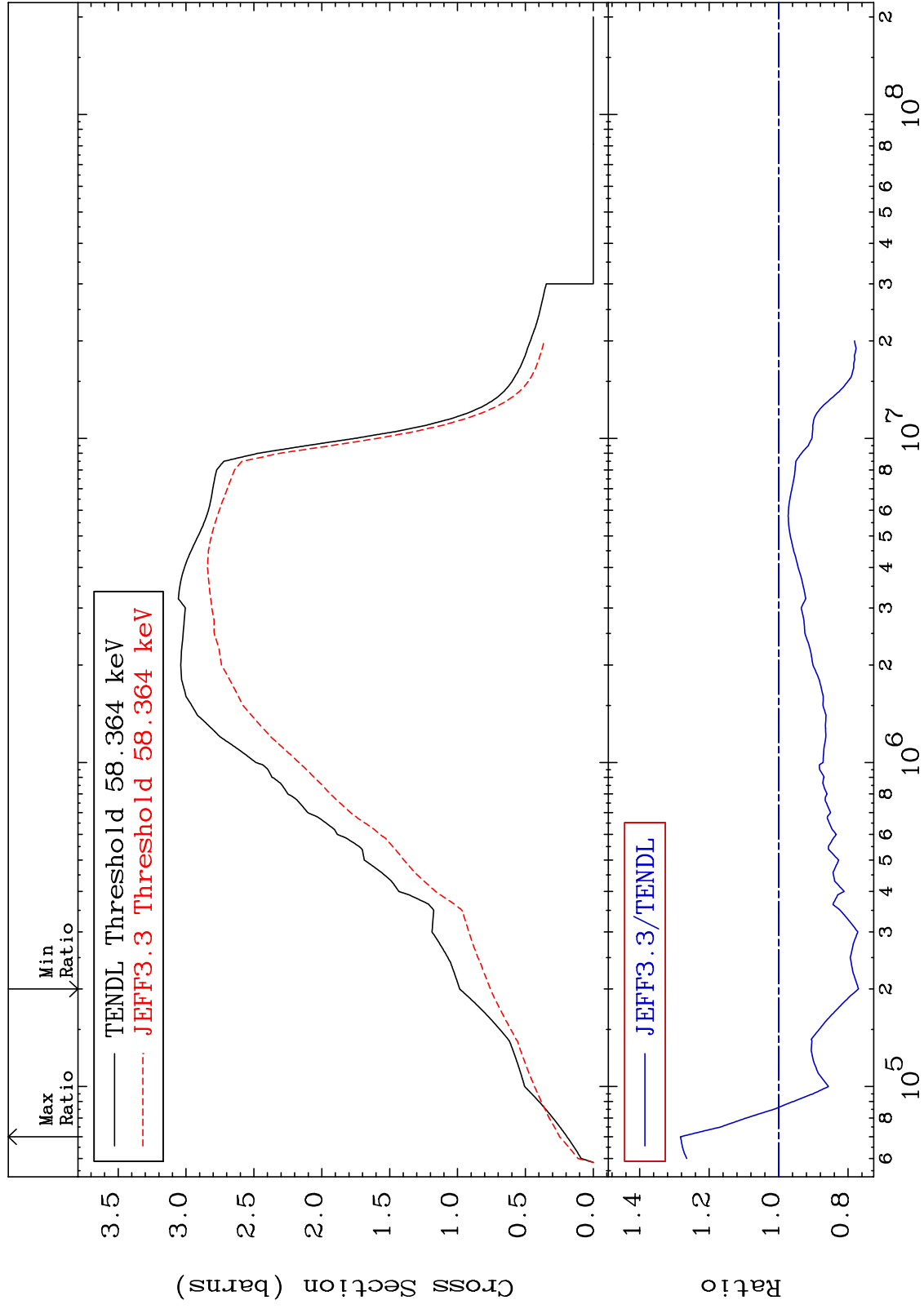
65-Tb-159
-79.42 To 7390. %



MAT 6525

Inelastic
Cross Section

65-Tb-159
-23.00 To 28.28 %



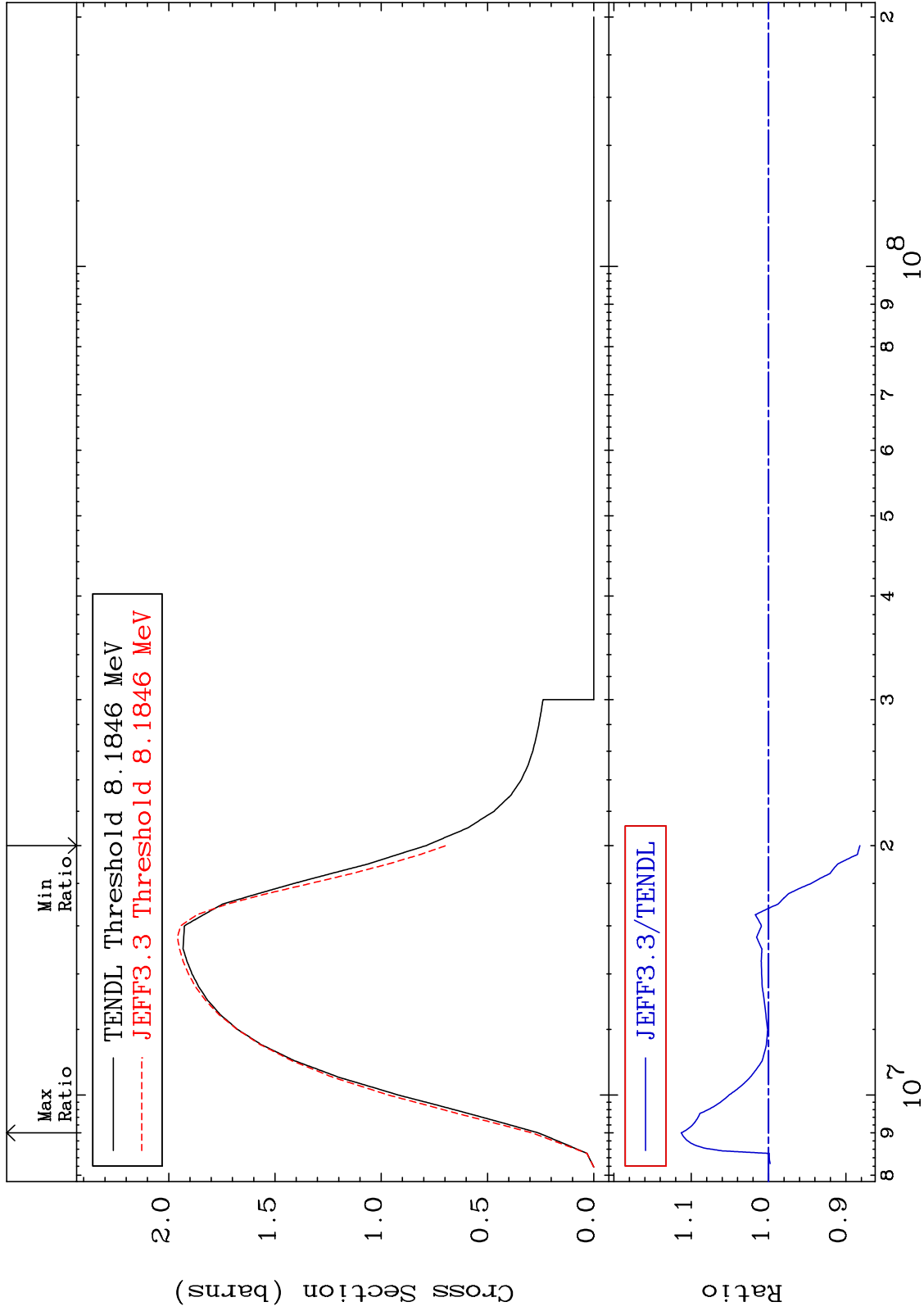
MAT 6525

(n,2n)

65-Tb-159

Cross Section

-11.82 To 11.29 %



4

Incident Energy (eV)

65-Tb-159

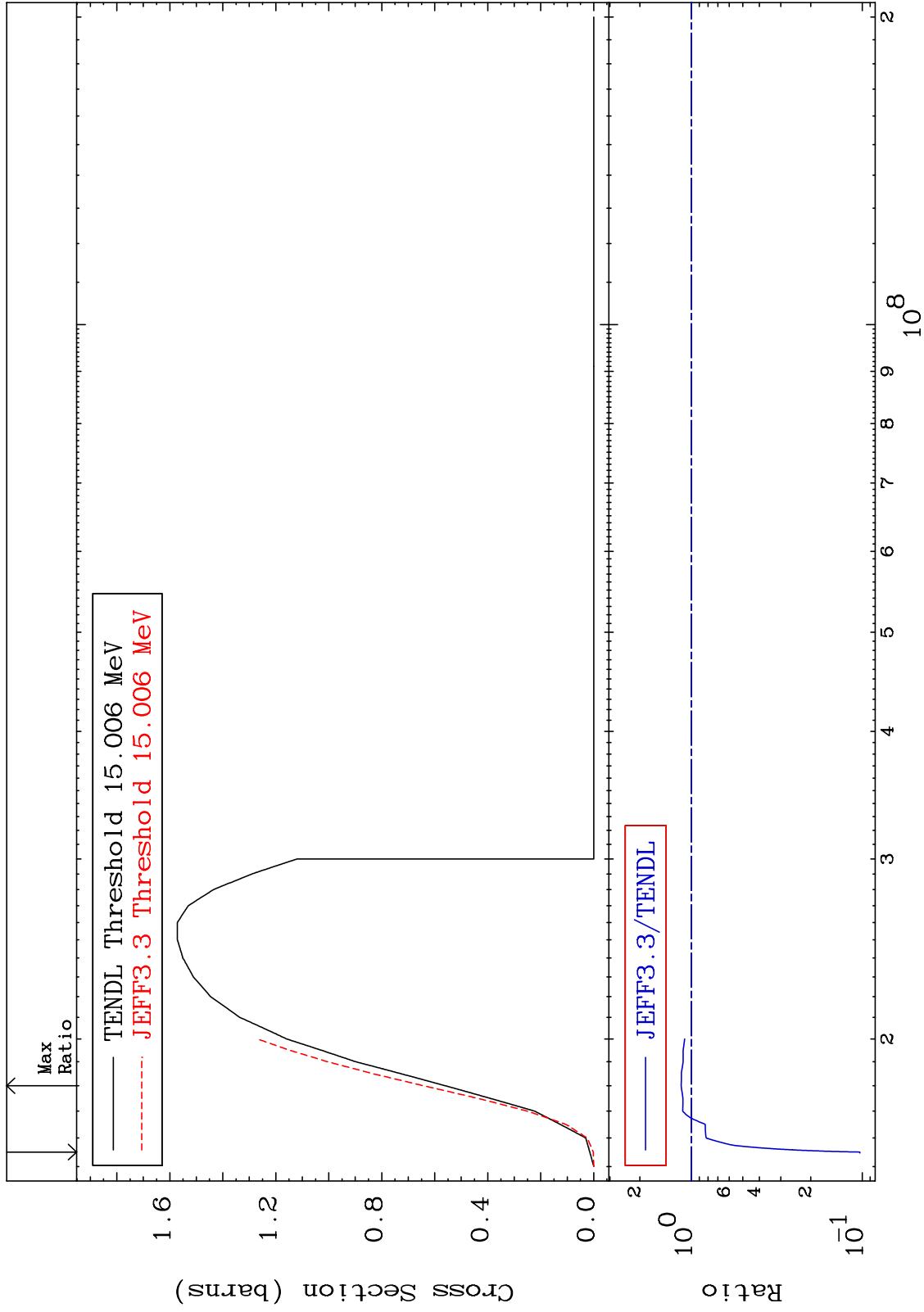
MAT 6525

(n, 3n)

65-Tb-159

Cross Section

-89.68 To 14.65 %



5

Incident Energy (eV)

65-Tb-159

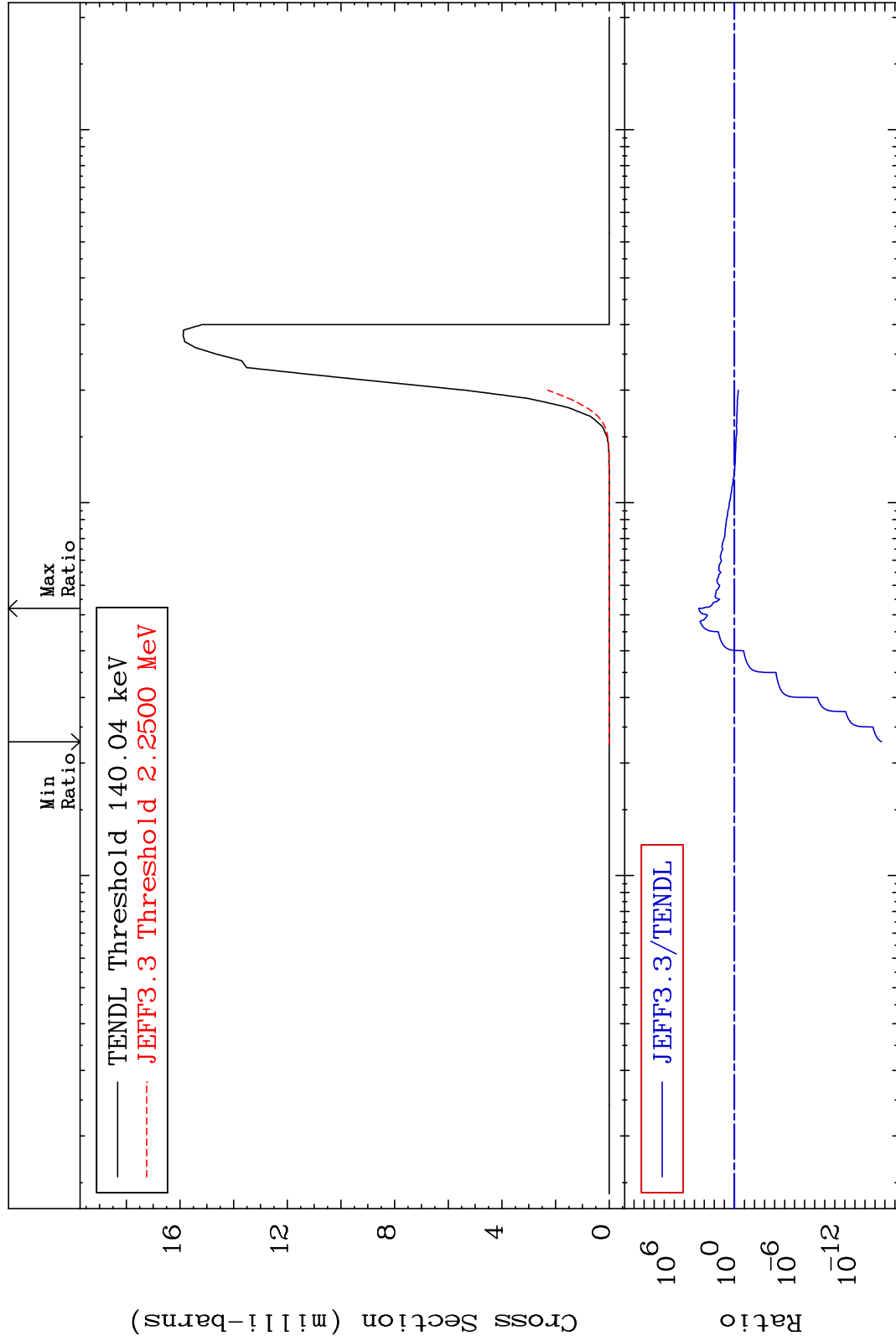
MAT 6525

(n, n') α

65-Tb-159

-100.0 To 9999. %

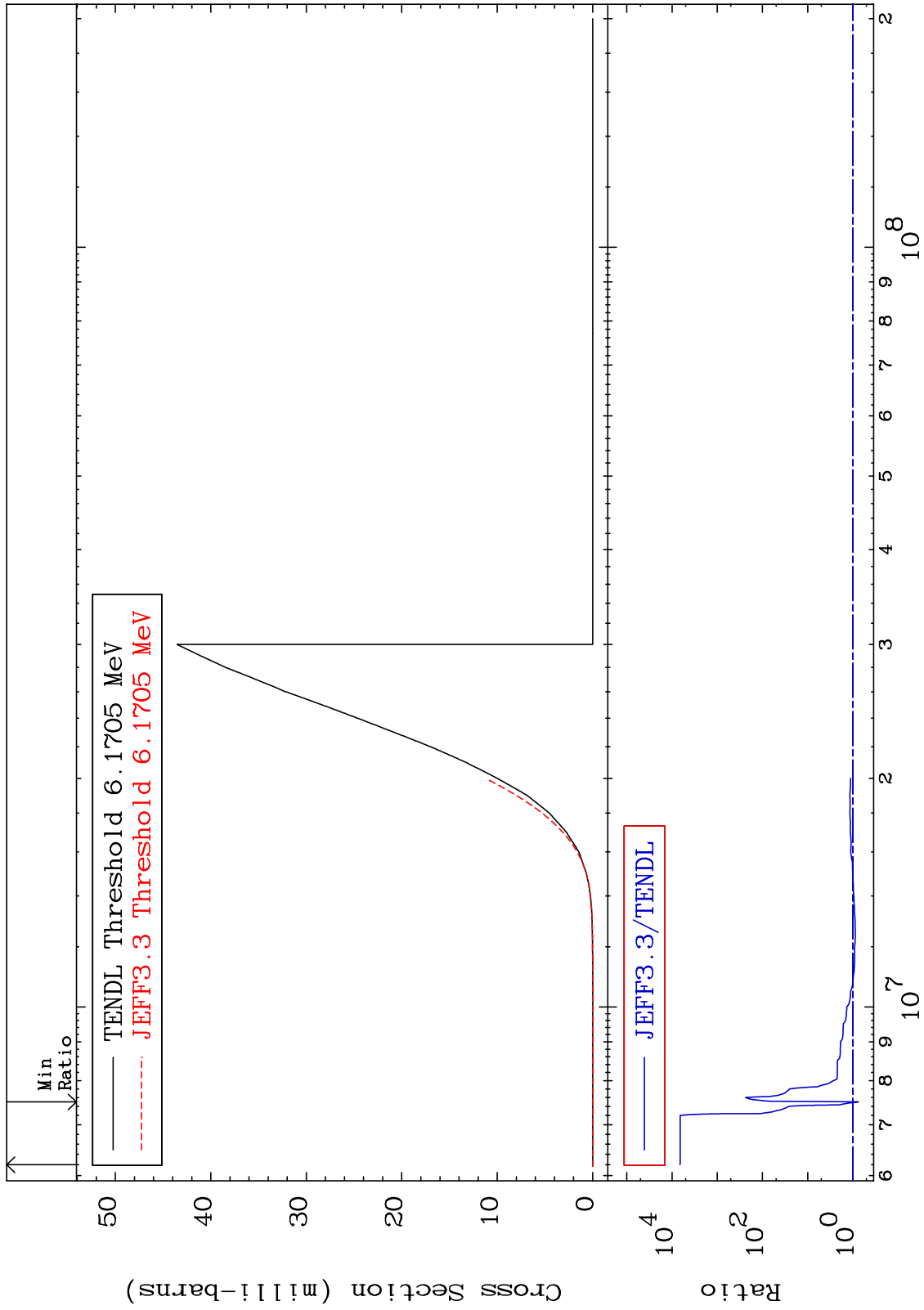
Cross Section



MAT 6525

(n,n') p
Cross Section

65-Tb-159
-24.55 To 9999. %



Incident Energy (eV)

65-Tb-159

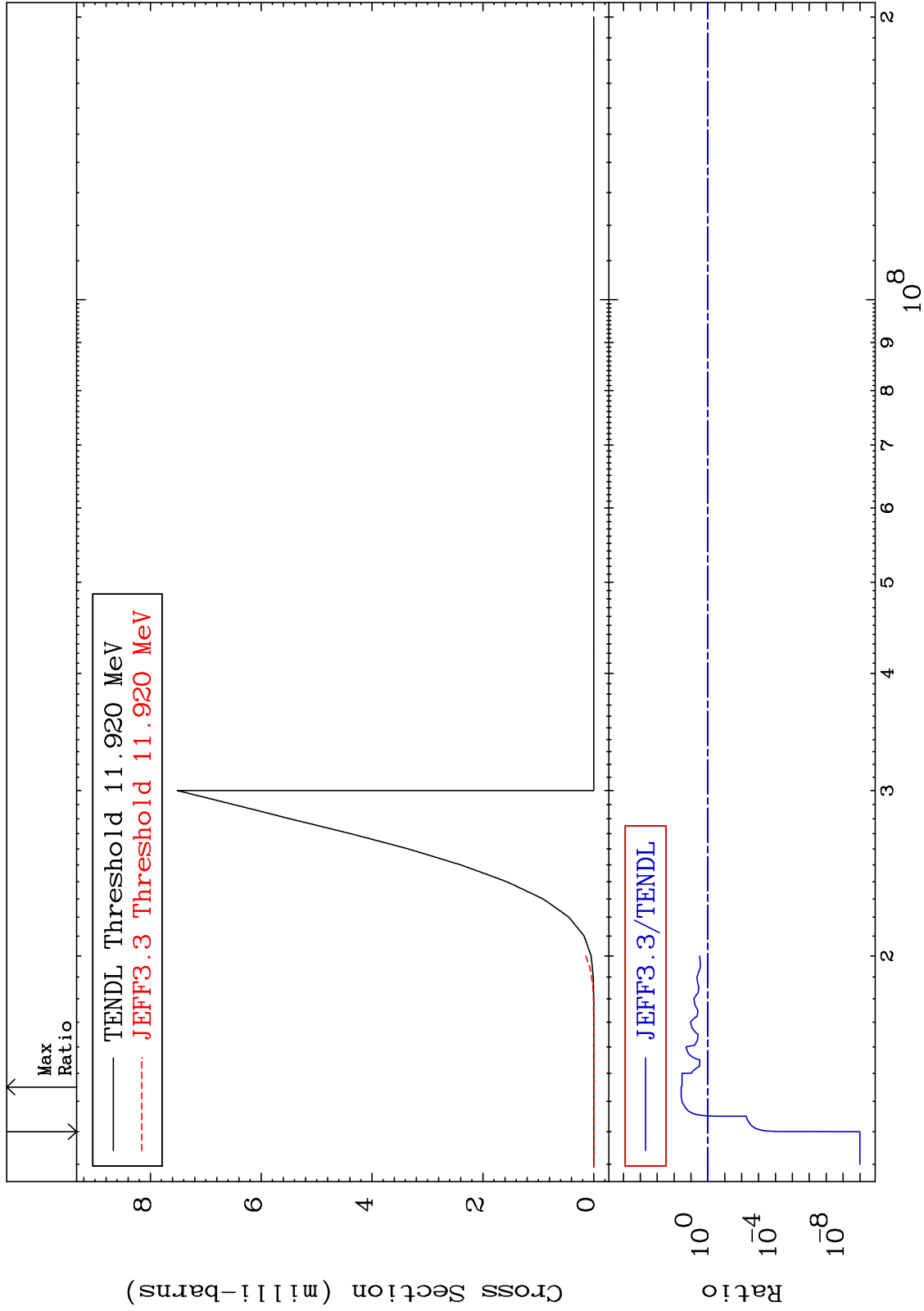
MAT 6525

(n, n') d

65-Tb-159

Cross Section

-100.0 To 3693. %



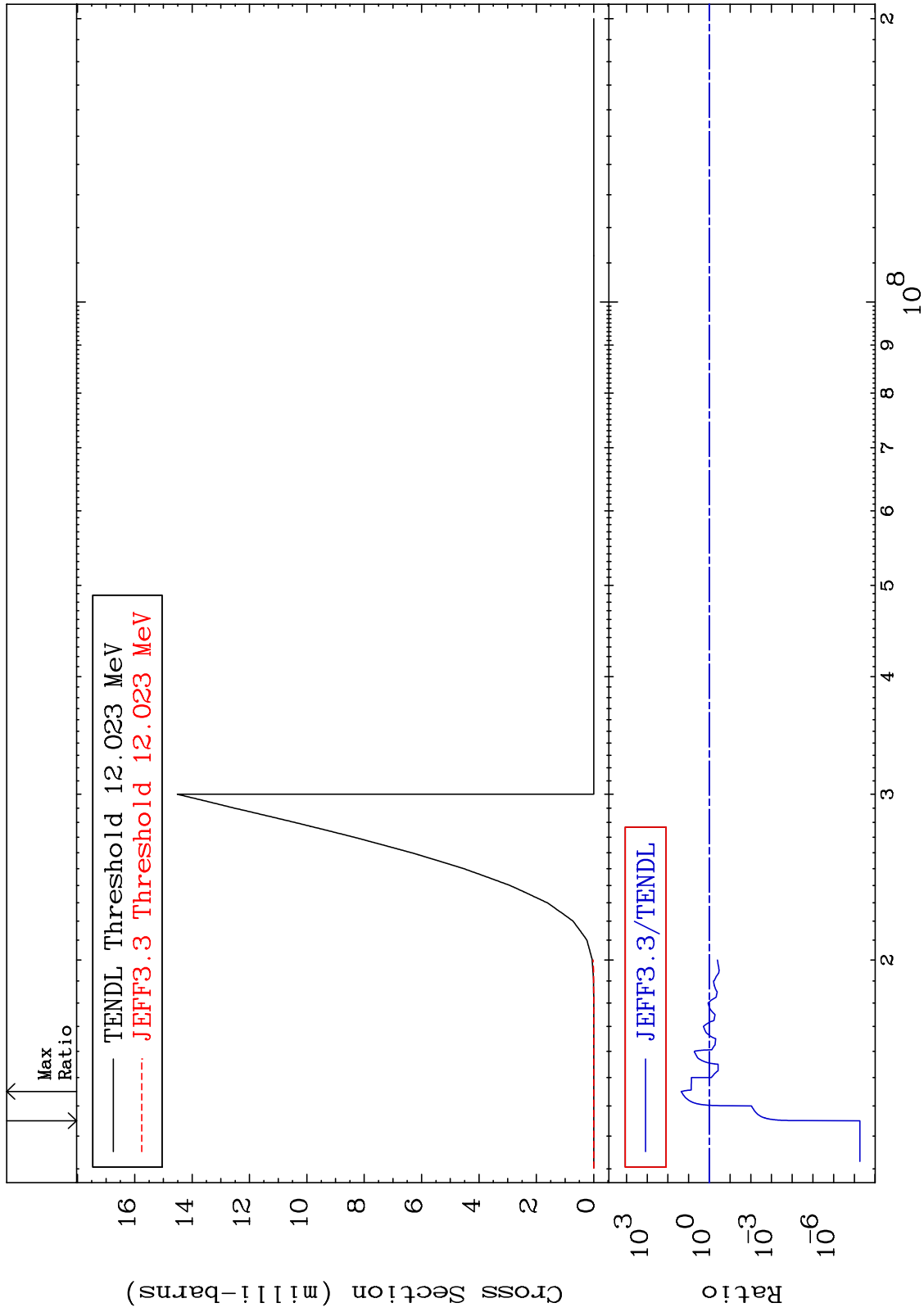
MAT 6525

(n, n') t

65-Tb-159

Cross Section

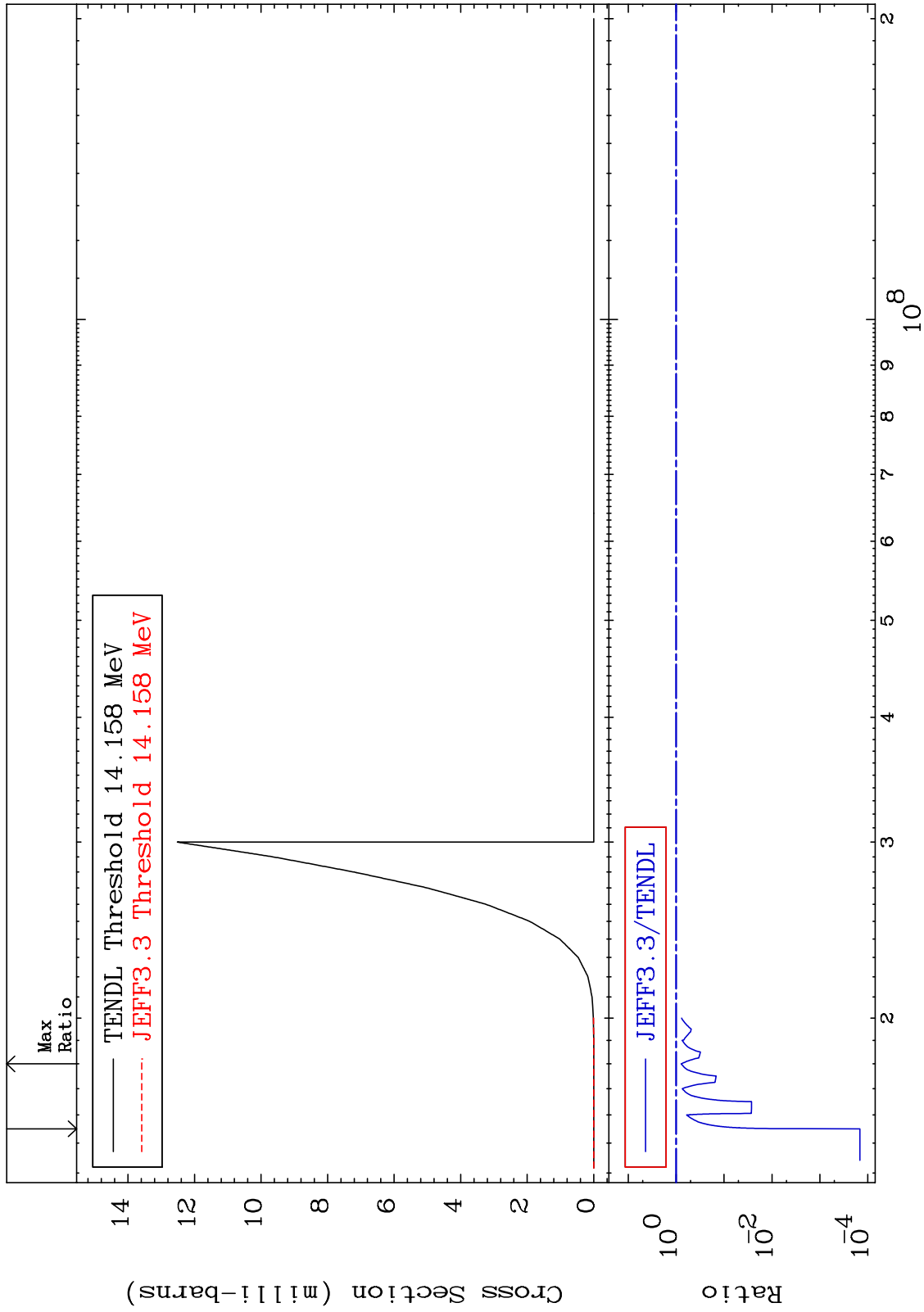
-100.0 To 2174. %



MAT 6525

(n,2n) p
Cross Section

65-Tb-159
-99.99 To -21.50%



10

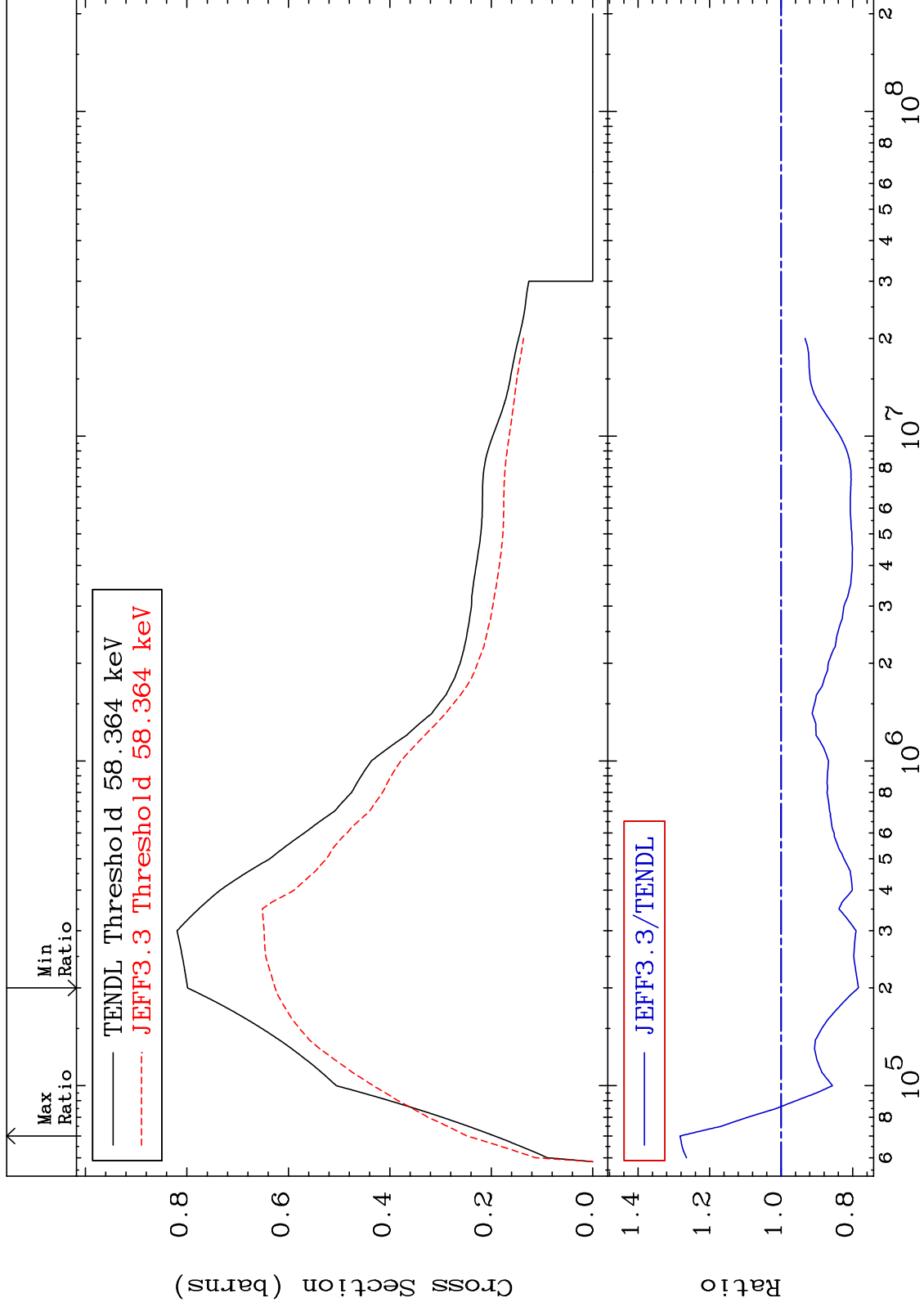
Incident Energy (eV)

65-Tb-159

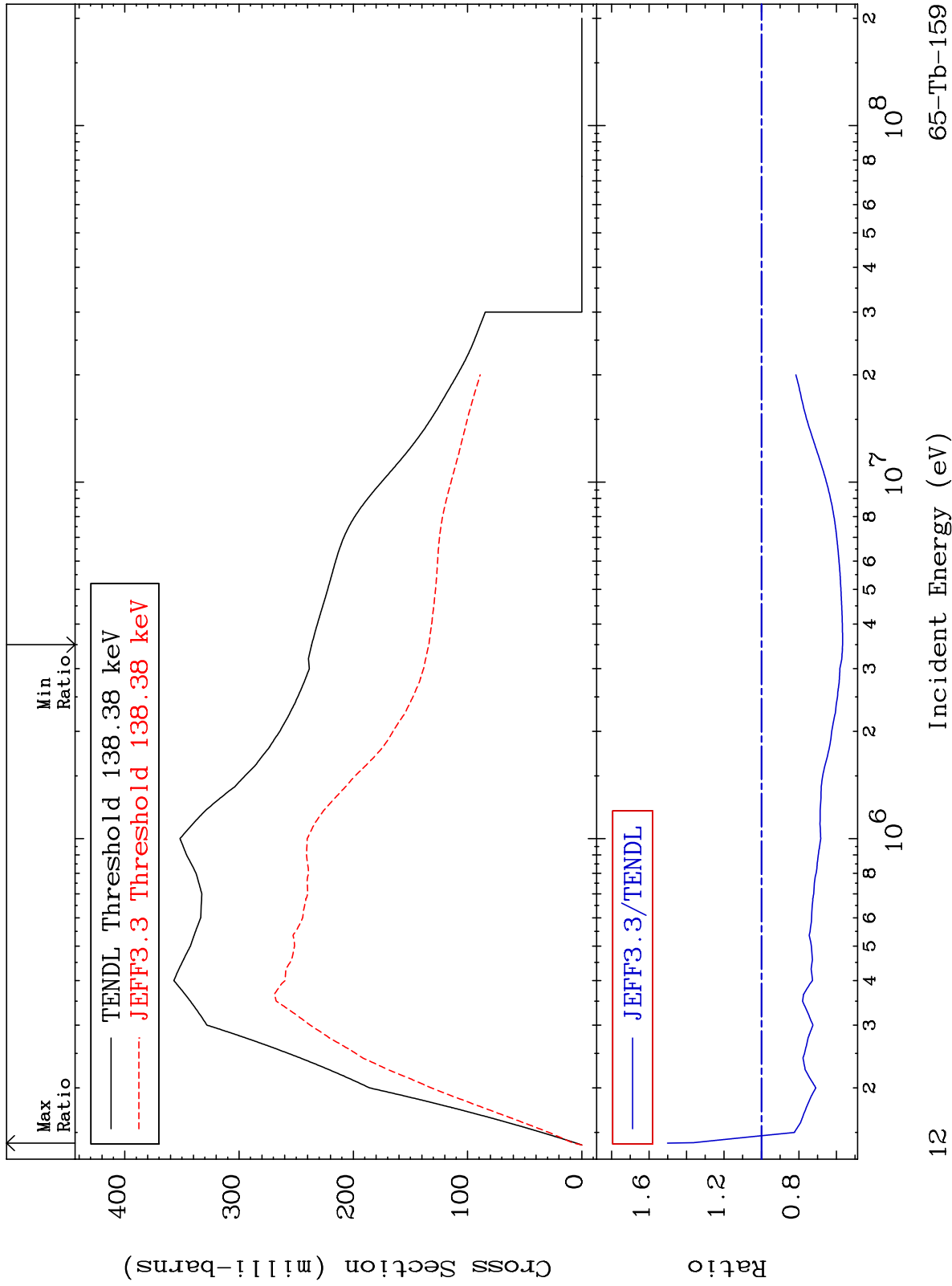
MAT 6525

MT= 51 (n,n') Level
Cross Section

65-Tb-159
-21.60 To 28.28 %



MAT 6525 MT= 52 (n,n') Level 65-Tb-159
 Cross Section -43.36 To 50.12 %



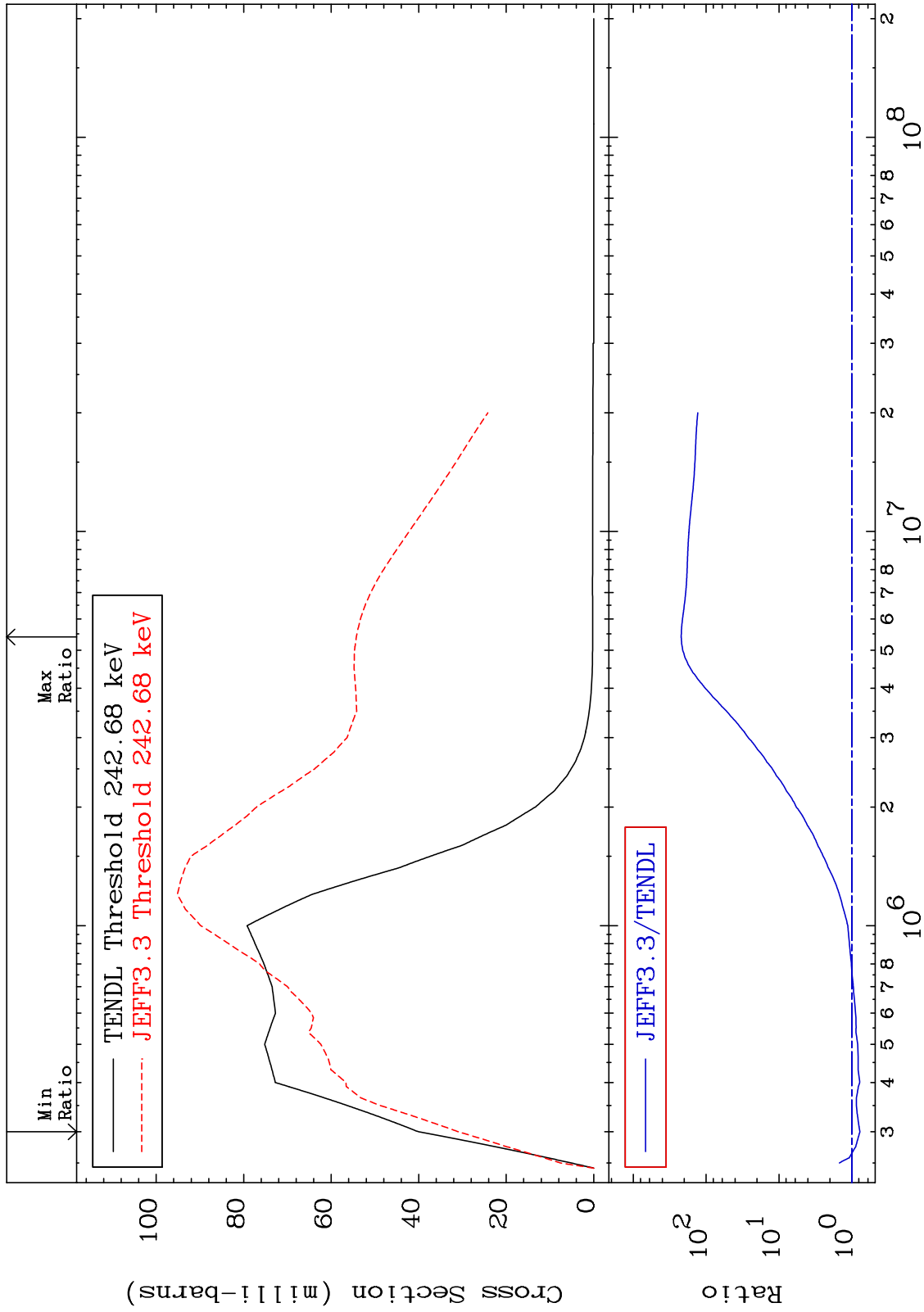
MAT 6525

MT= 53 (n,n') Level

65-Tb-159

-22.74 To 9999. %

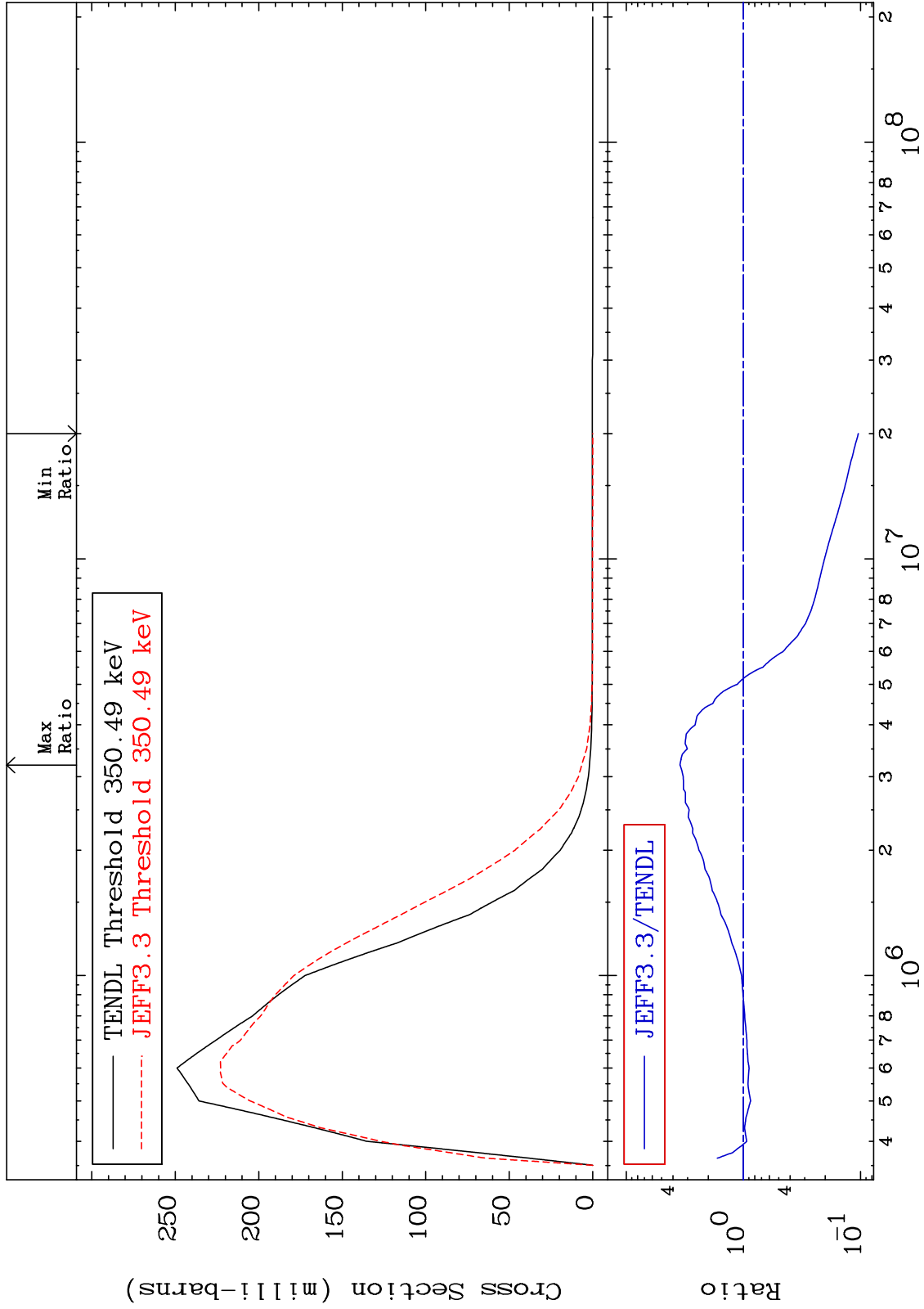
Cross Section



MAT 6525

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

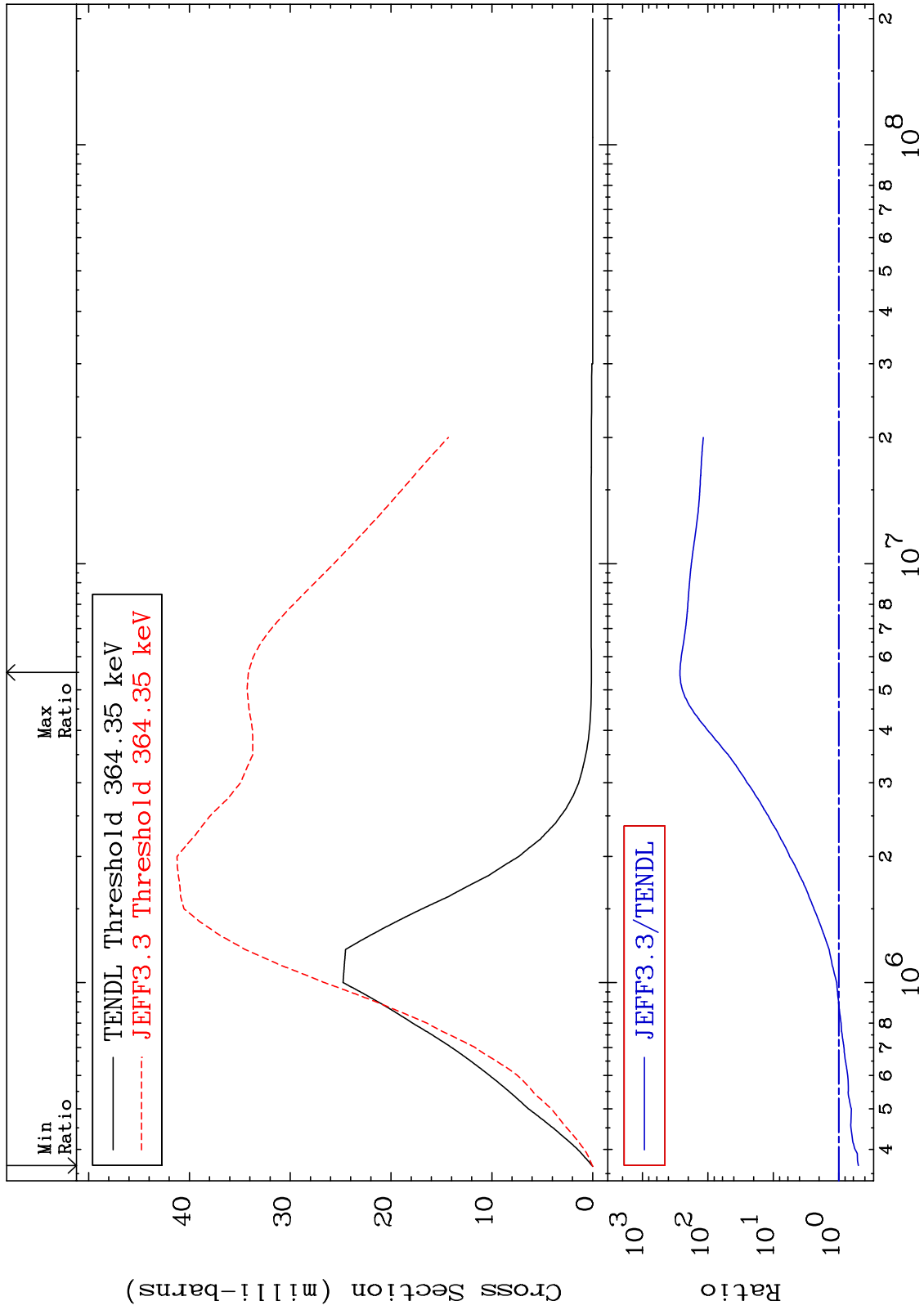
65-Tb-159
-89.57 To 248.2 %



MAT 6525

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

65-Tb-159
-49.86 To 9999. %



15

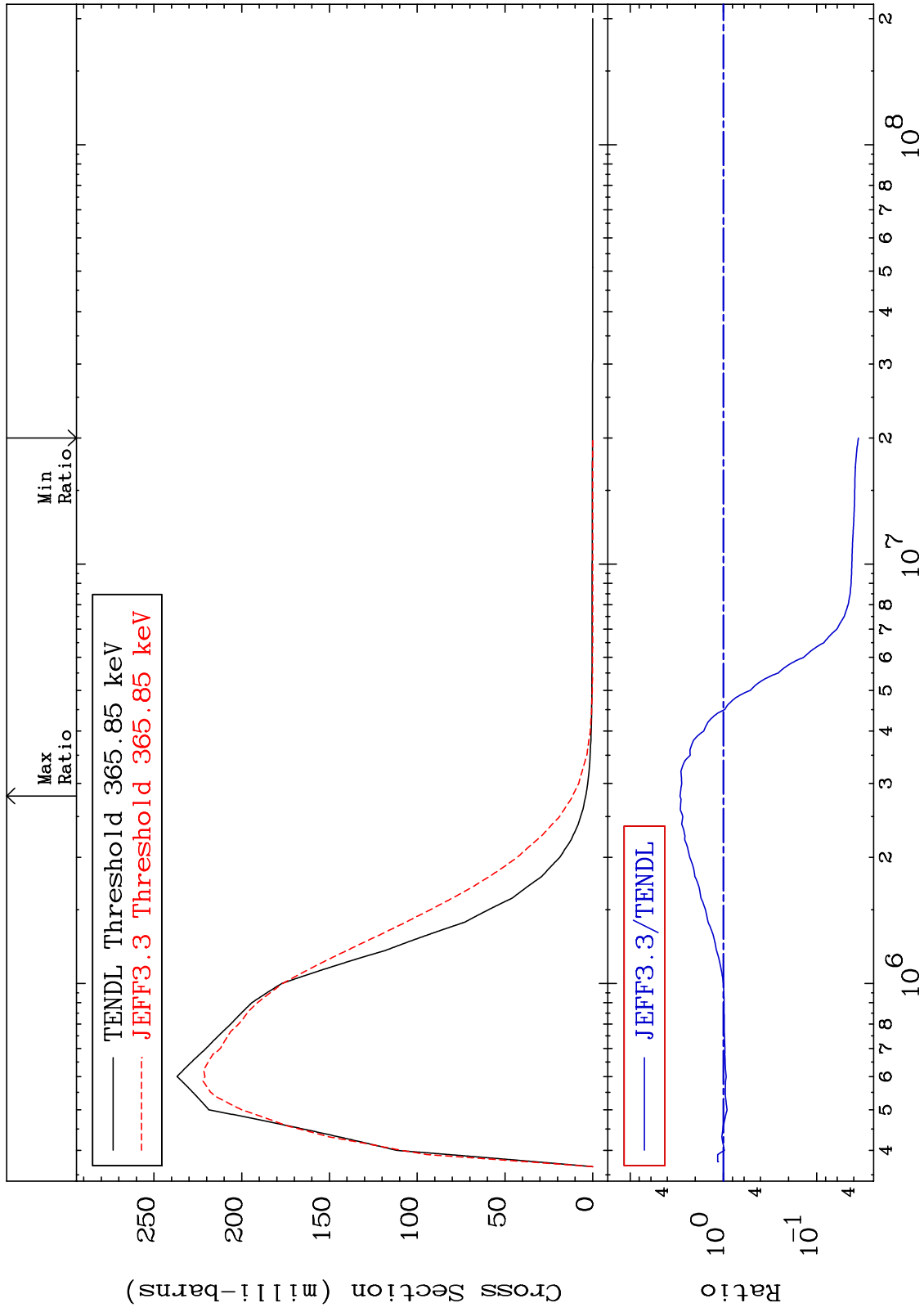
Incident Energy (eV)

65-Tb-159

MAT 6525

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

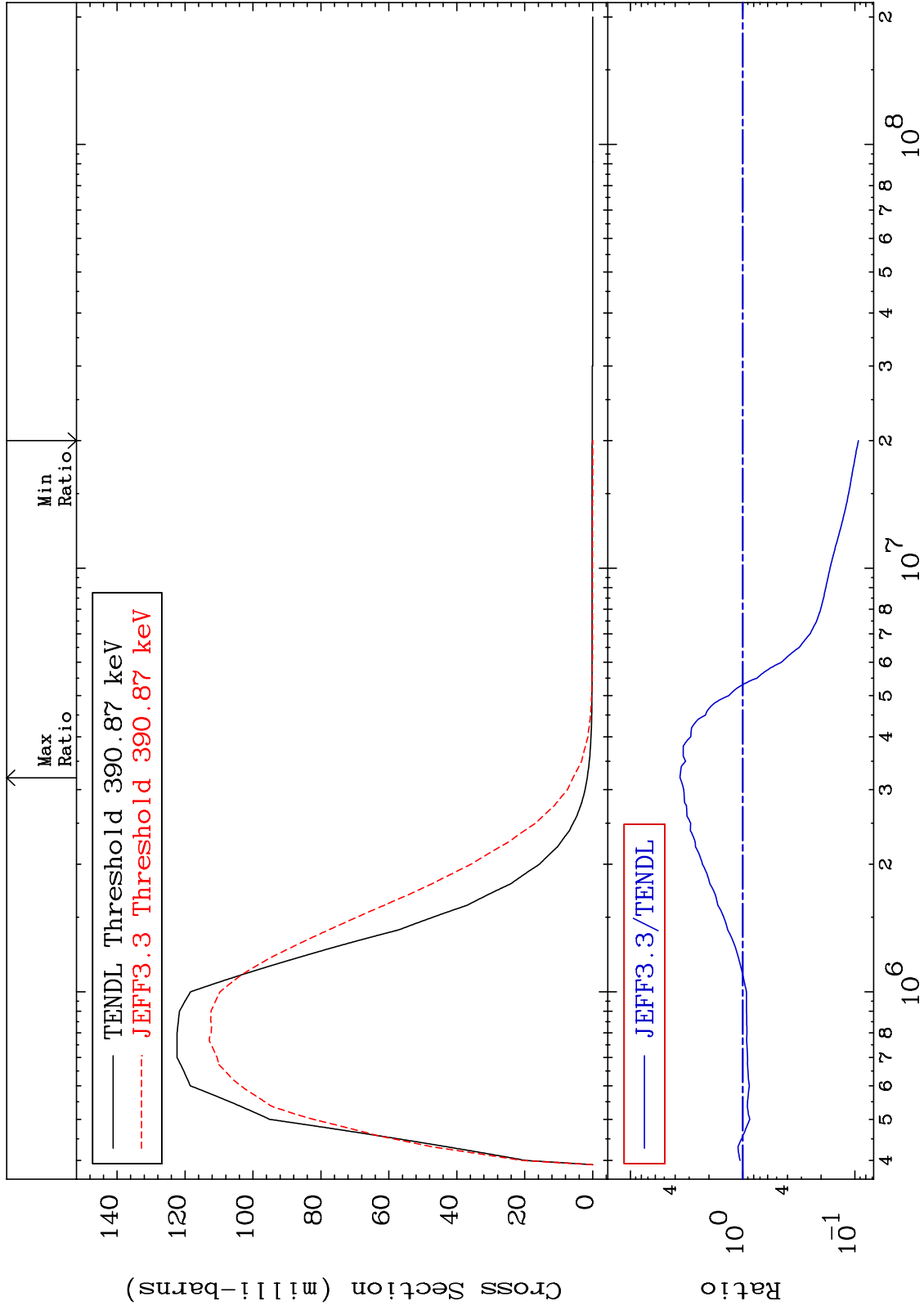
65-Tb-159
-96.44 To 191.9 %



MAT 6525

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

65-Tb-159
-90.68 To 261.7 %



17

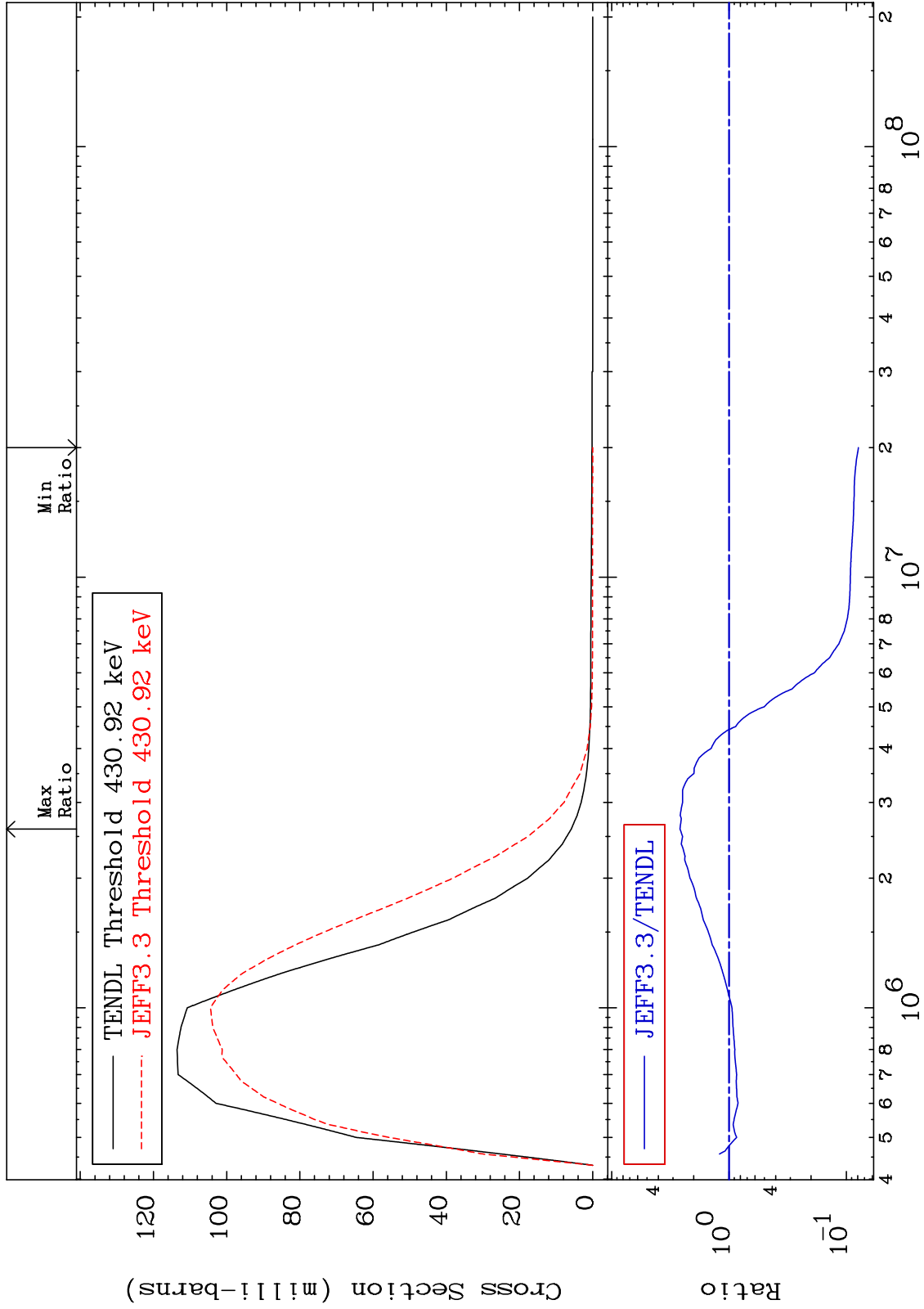
Incident Energy (eV)

65-Tb-159

MAT 6525

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

65-Tb-159
-92.12 To 161.3 %



18

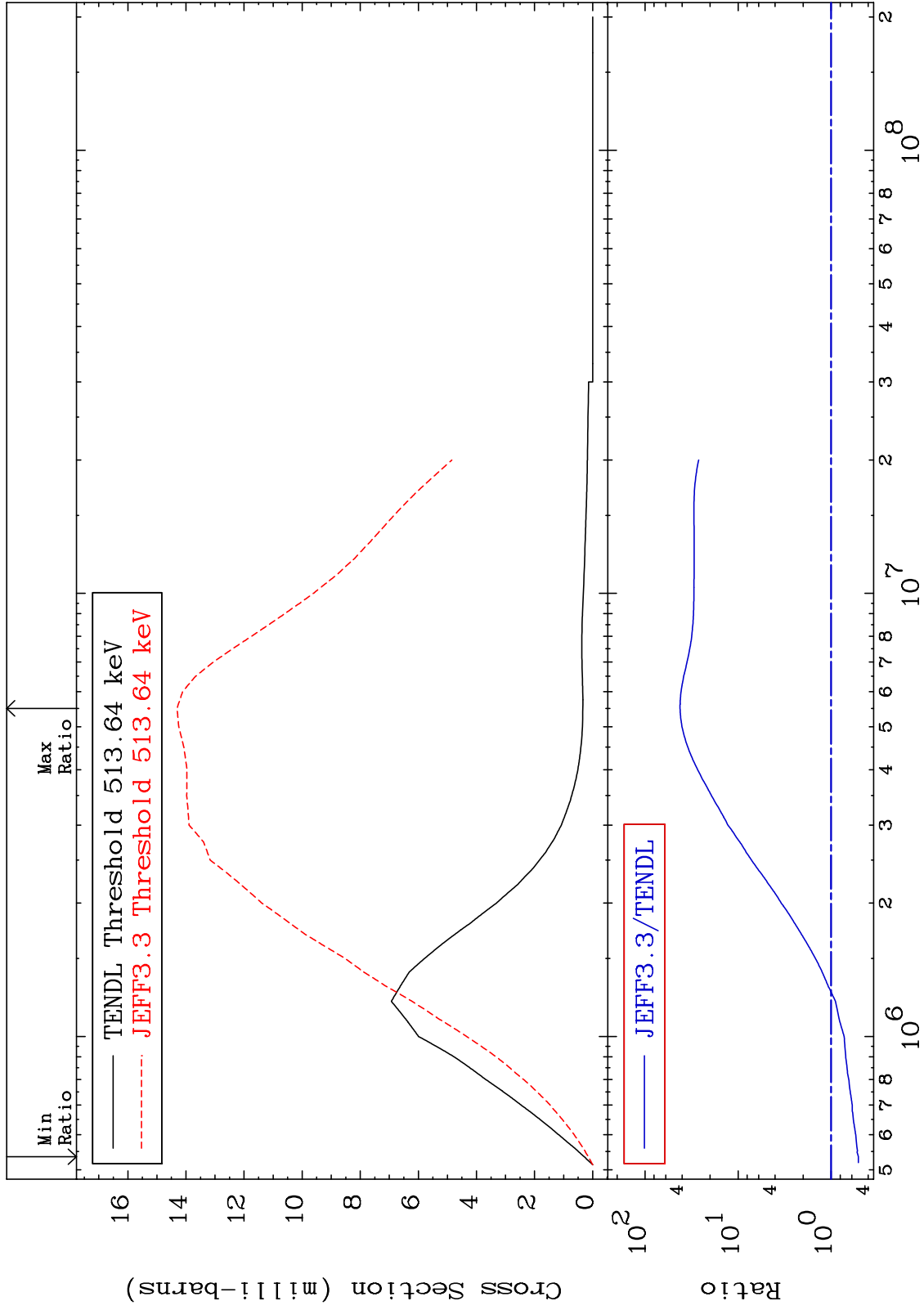
Incident Energy (eV)

65-Tb-159

MAT 6525

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

65-Tb-159
-49.06 To 4111. %



20

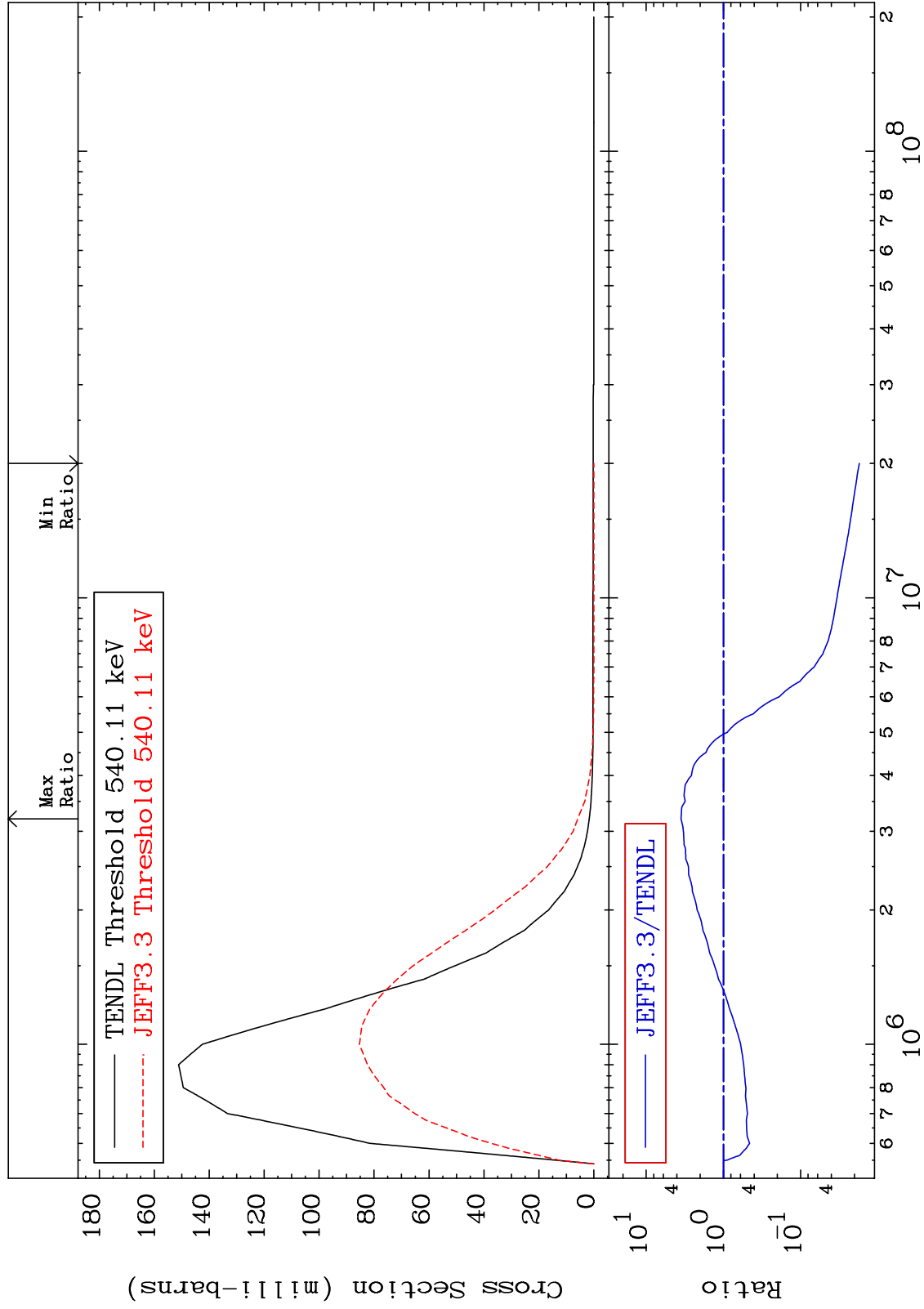
Incident Energy (eV)

65-Tb-159

MAT 6525

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

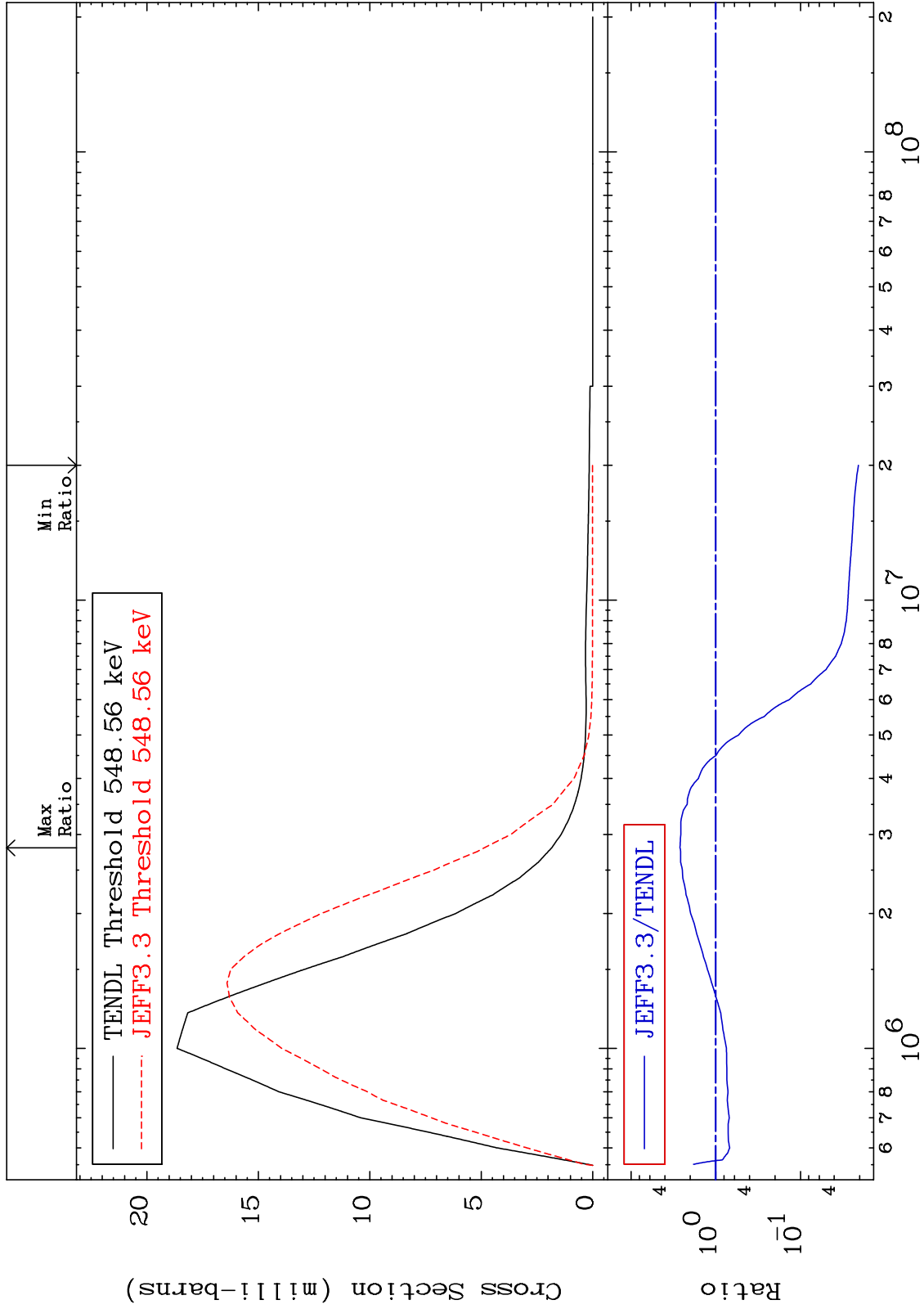
65-Tb-159
-98.26 To 253.8 %



MAT 6525

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

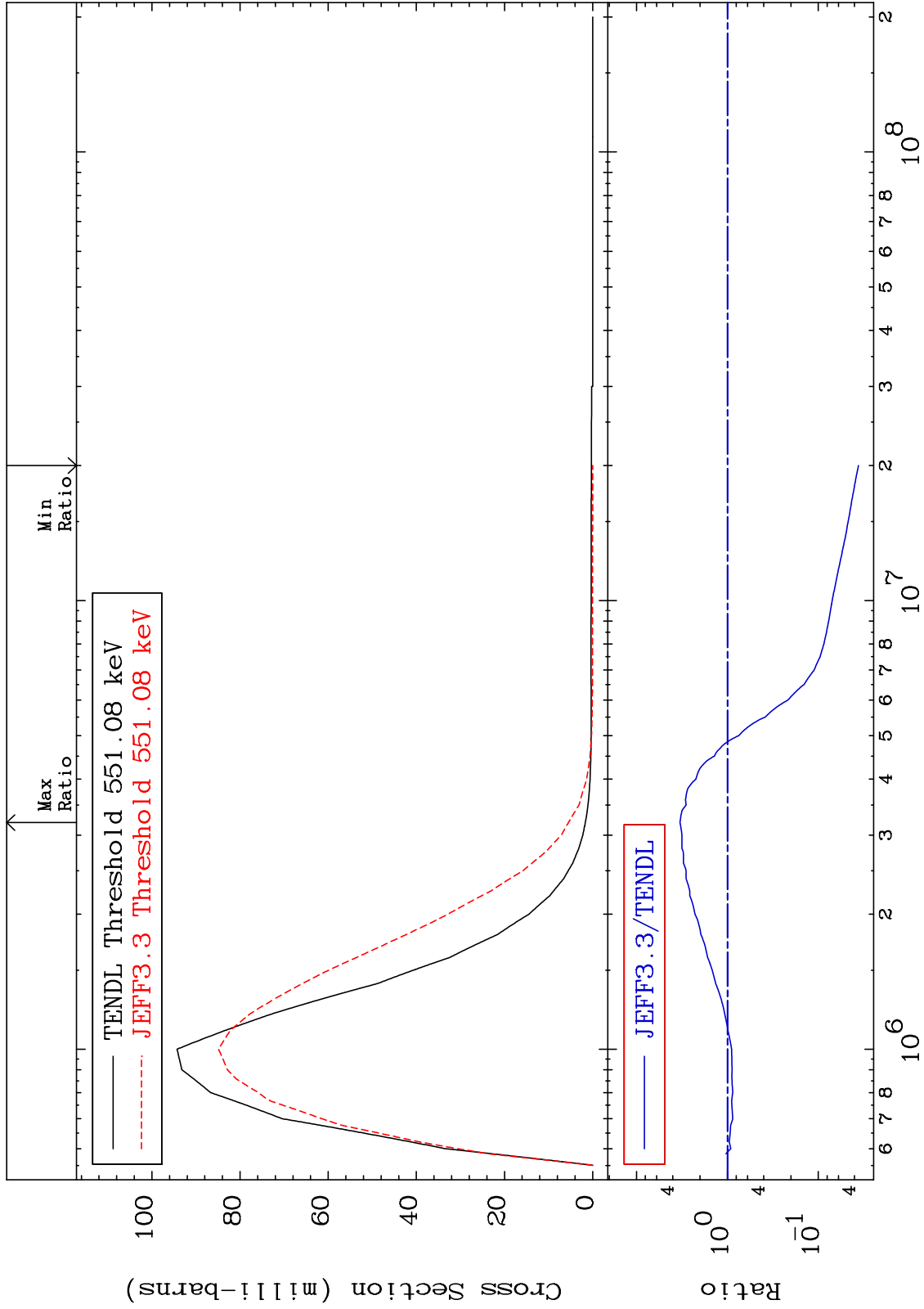
65-Tb-159
-97.93 To 164.5 %



MAT 6525

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

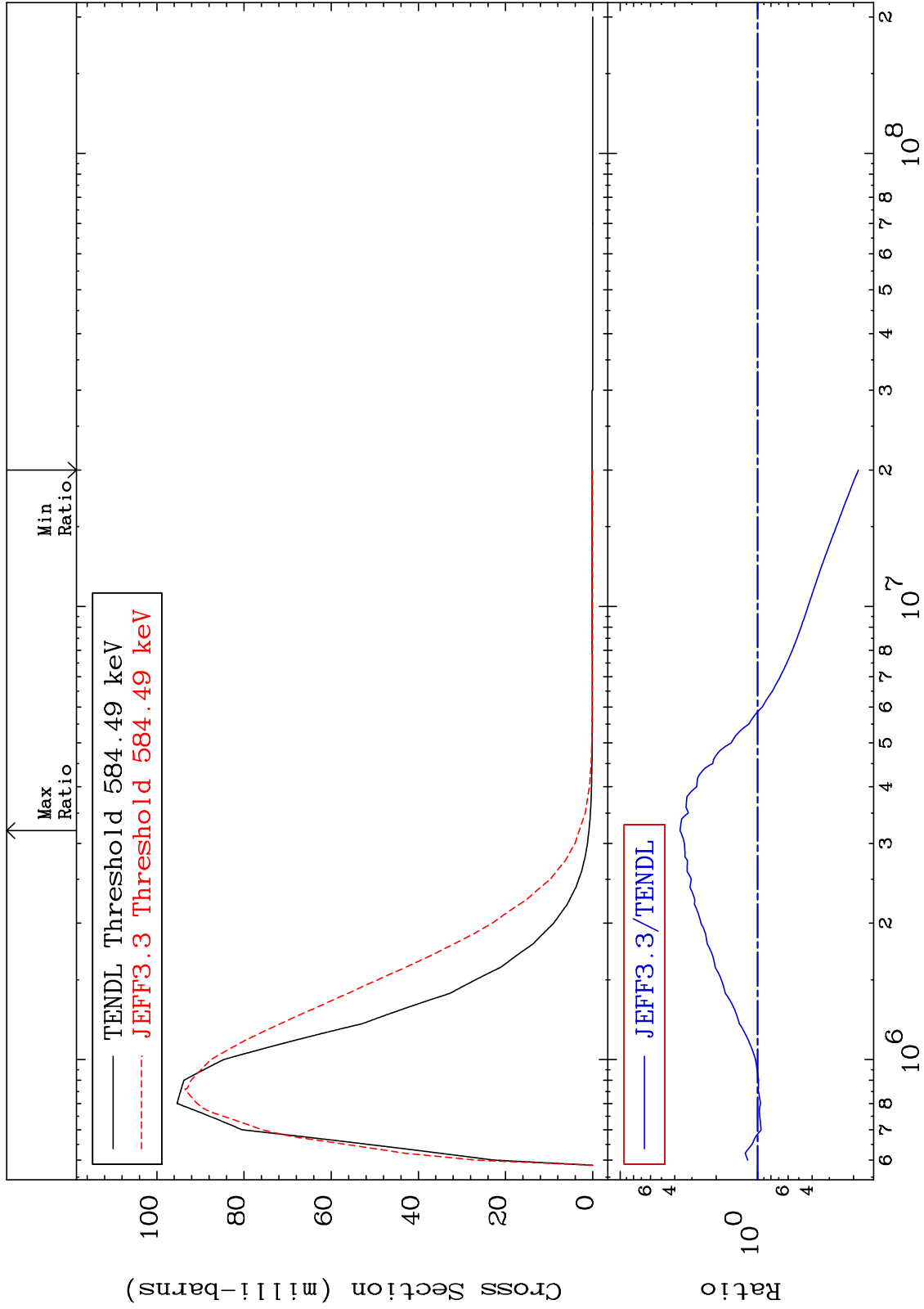
65-Tb-159
-96.38 To 232.4 %



MAT 6525

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

65-Tb-159
-81.55 To 266.6 %



25

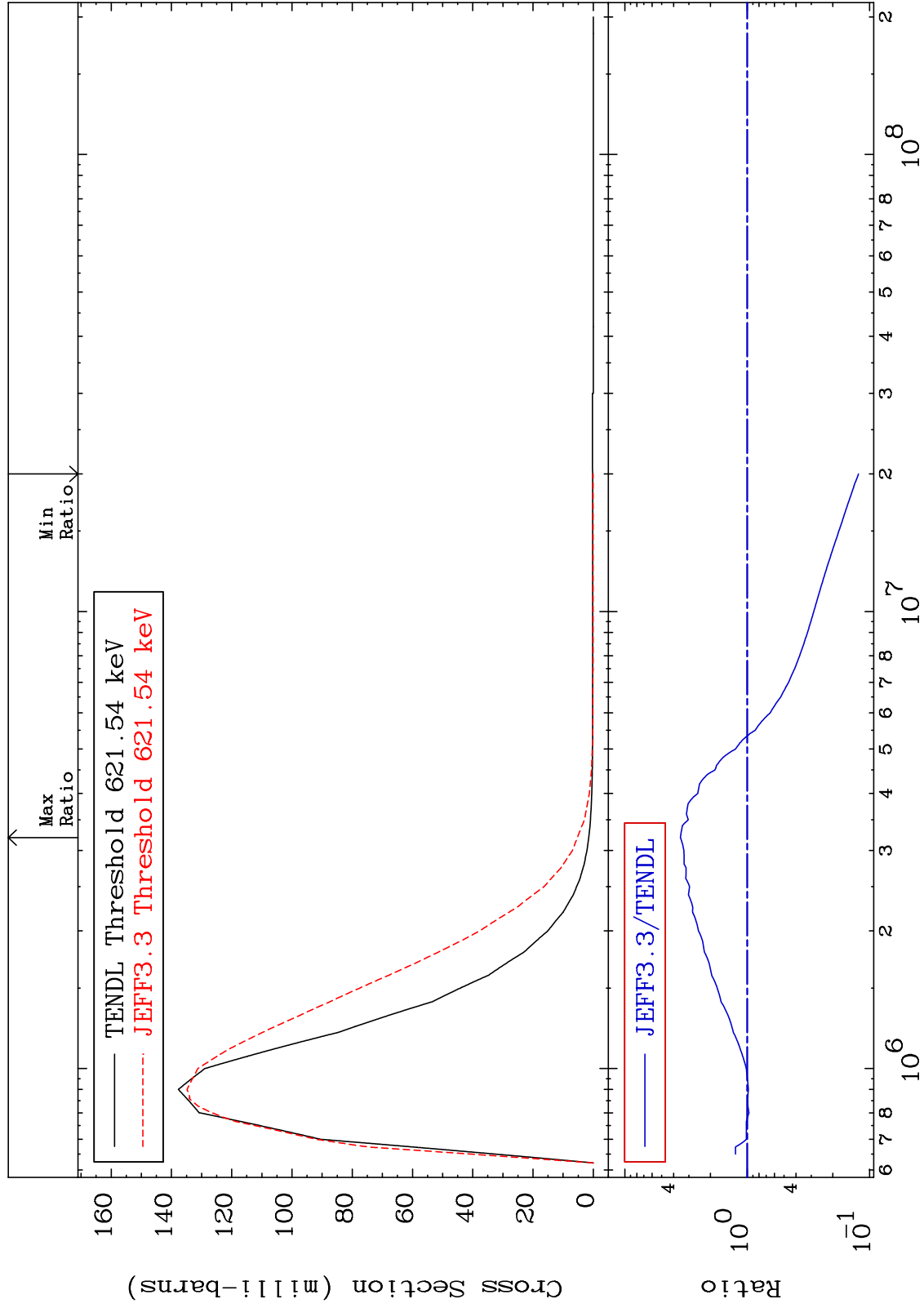
Incident Energy (eV)

65-Tb-159

MAT 6525

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

65-Tb-159
-87.69 To 251.3 %



26

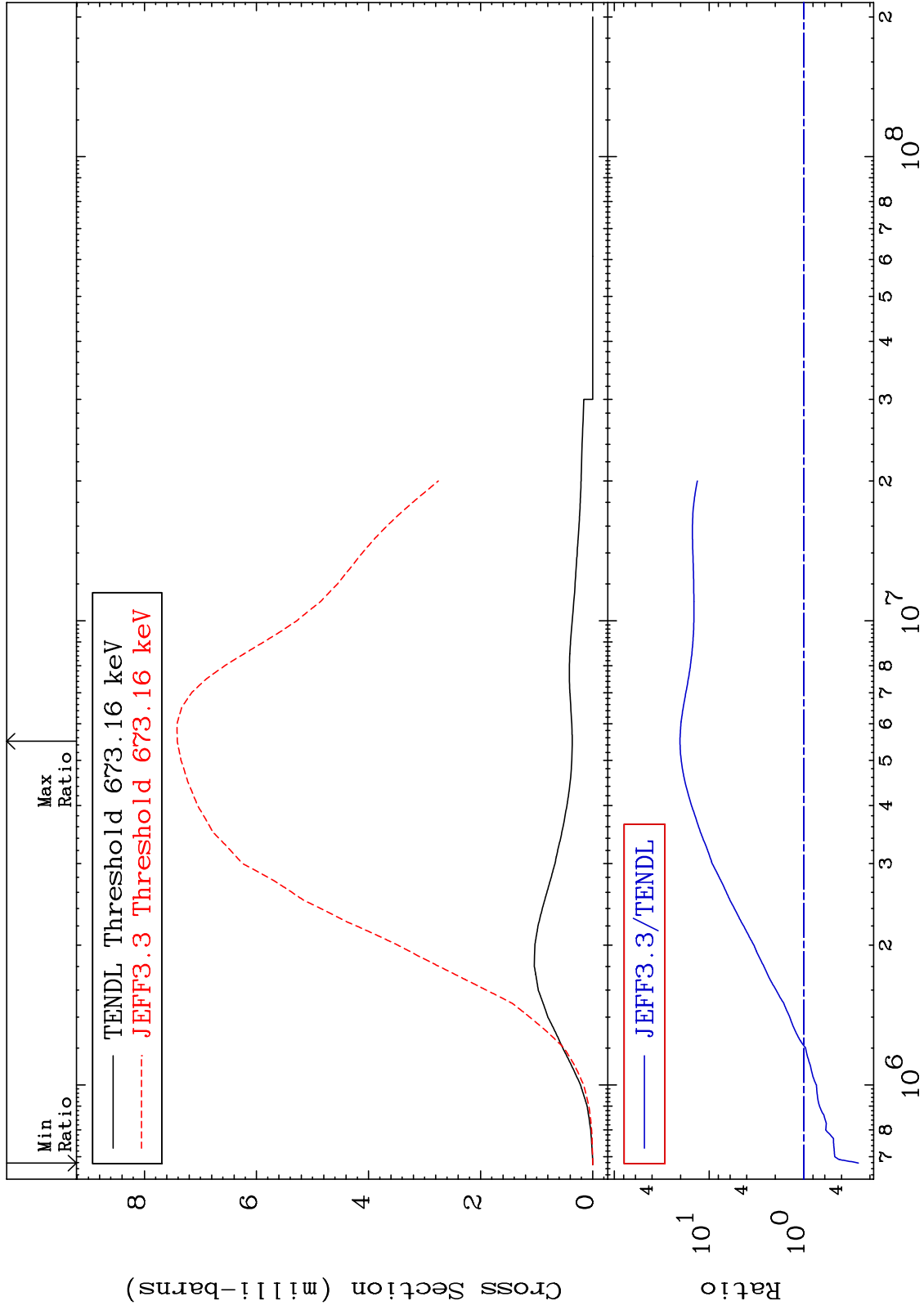
Incident Energy (eV)

65-Tb-159

MAT 6525

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

65-Tb-159
-73.51 To 1928. %



27

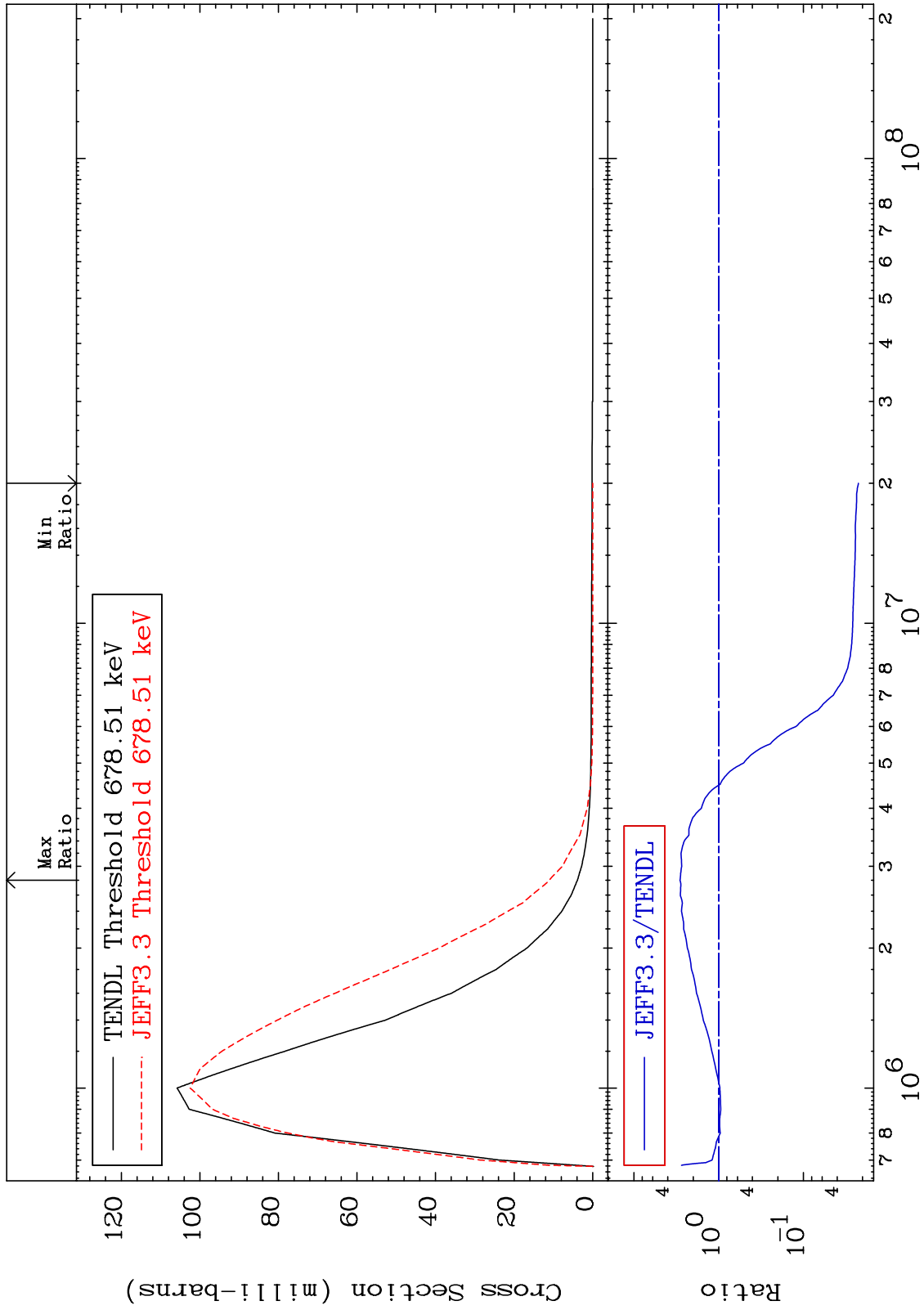
65-Tb-159

65-Tb-159

MAT 6525

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

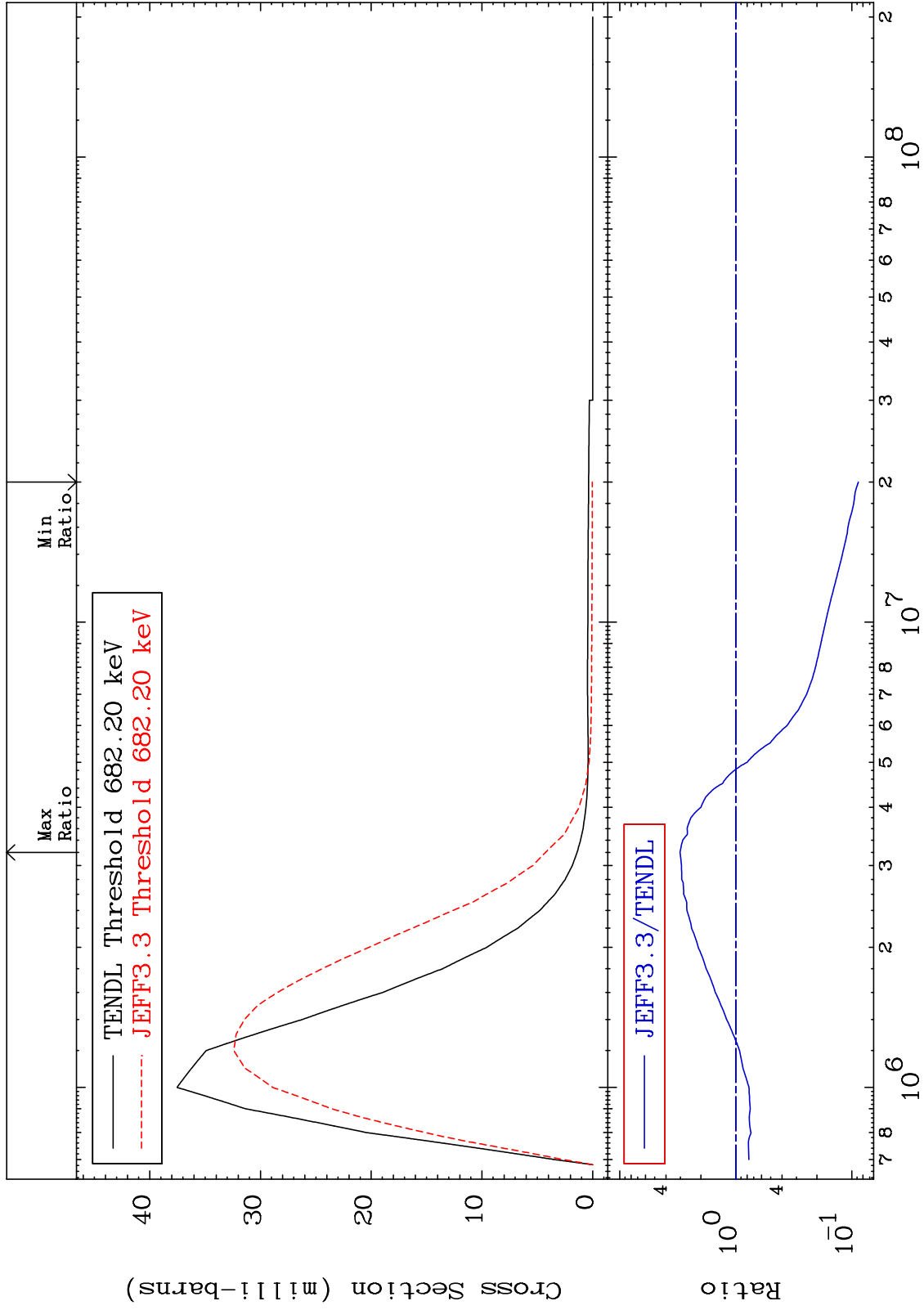
65-Tb-159
-97.76 To 186.2 %



MAT 6525

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

65-Tb-159
-91.23 To 202.5 %



29

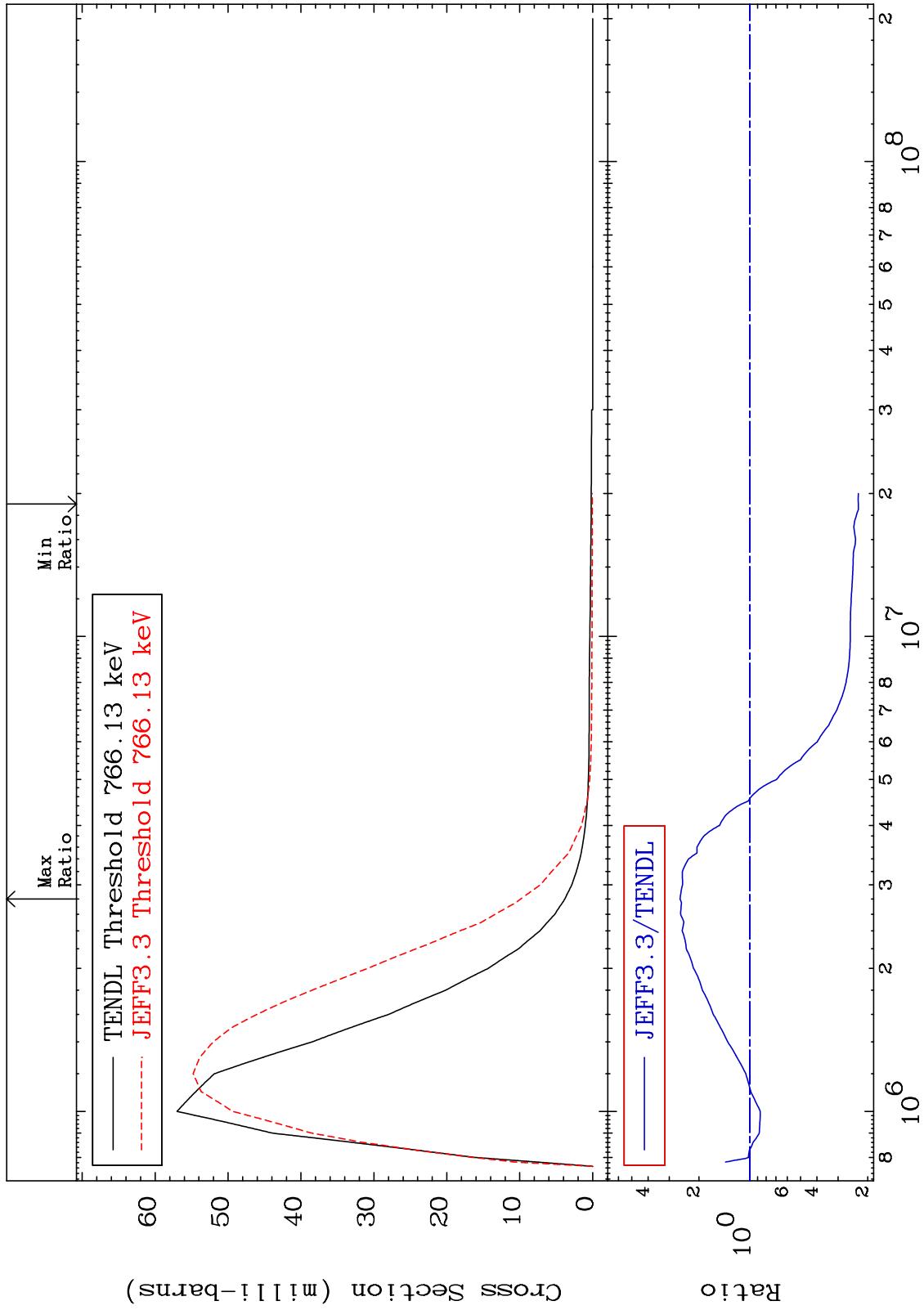
Incident Energy (eV)

65-Tb-159

MAT 6525

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

65-Tb-159
-77.29 To 159.0 %



30

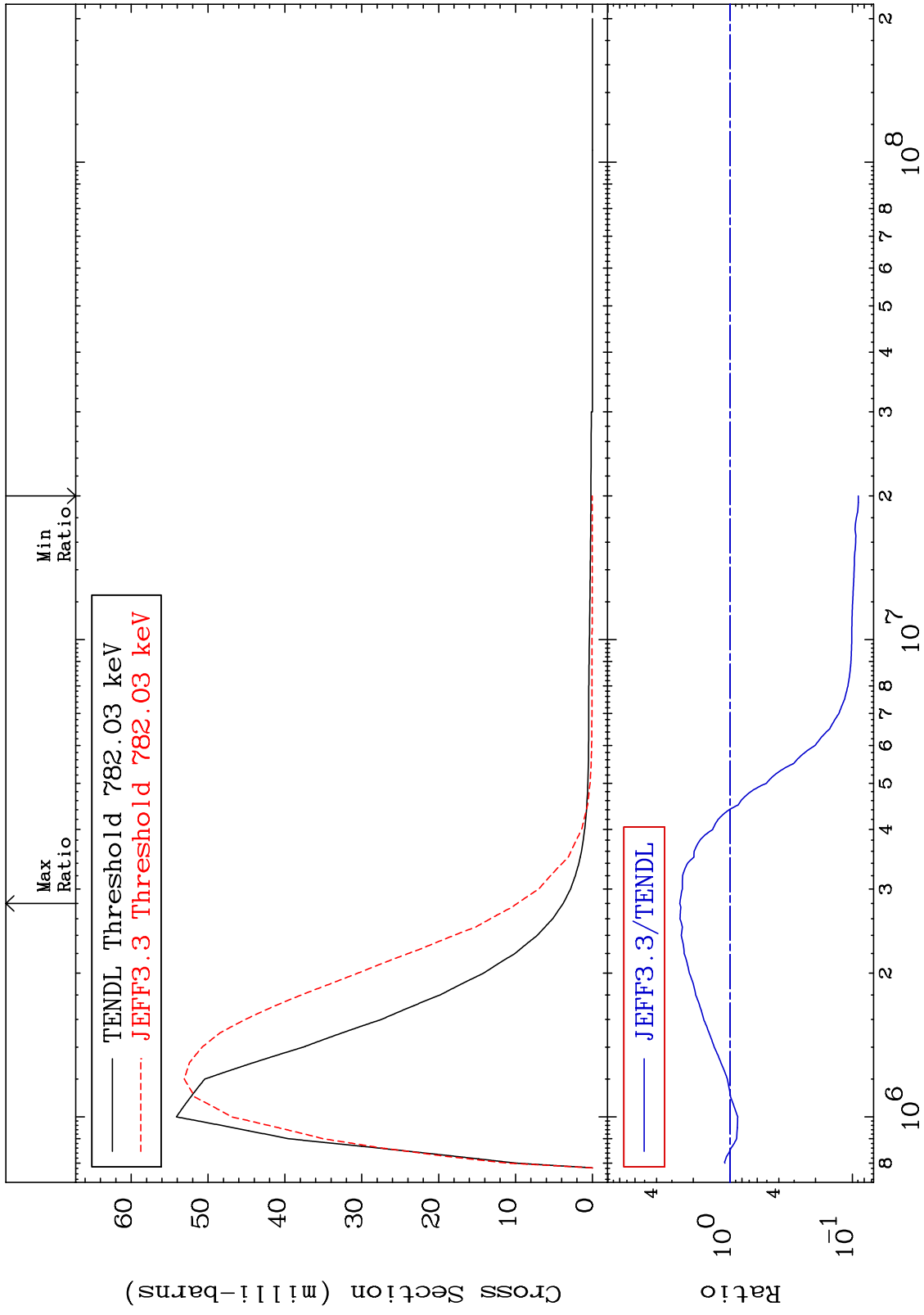
Incident Energy (eV)

65-Tb-159

MAT 6525

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

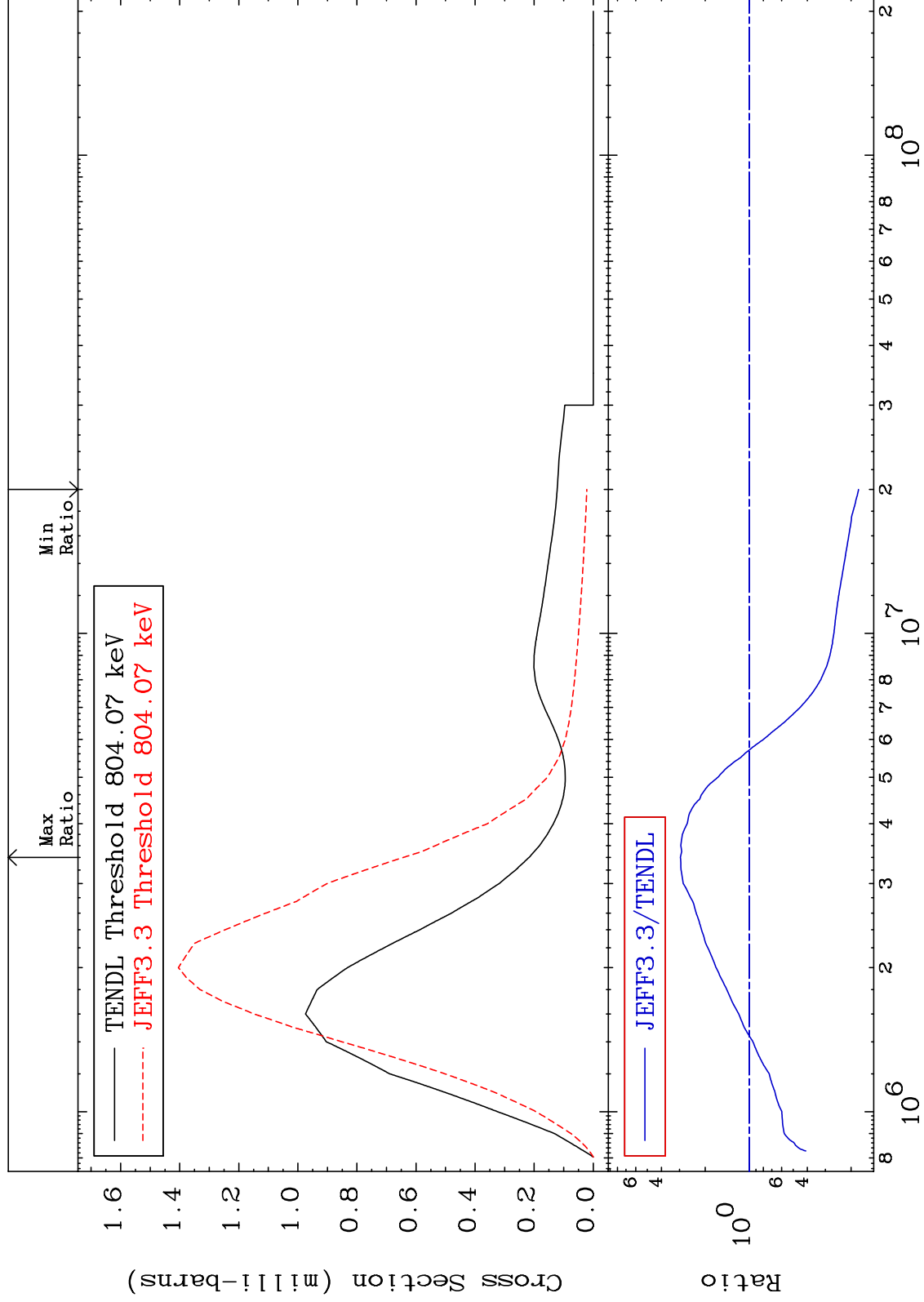
65-Tb-159
-91.07 To 158.0 %



MAT 6525

MT= 72 (n,n') Level
Cross Section

65-Tb-159
-82.19 To 195.9 %



32

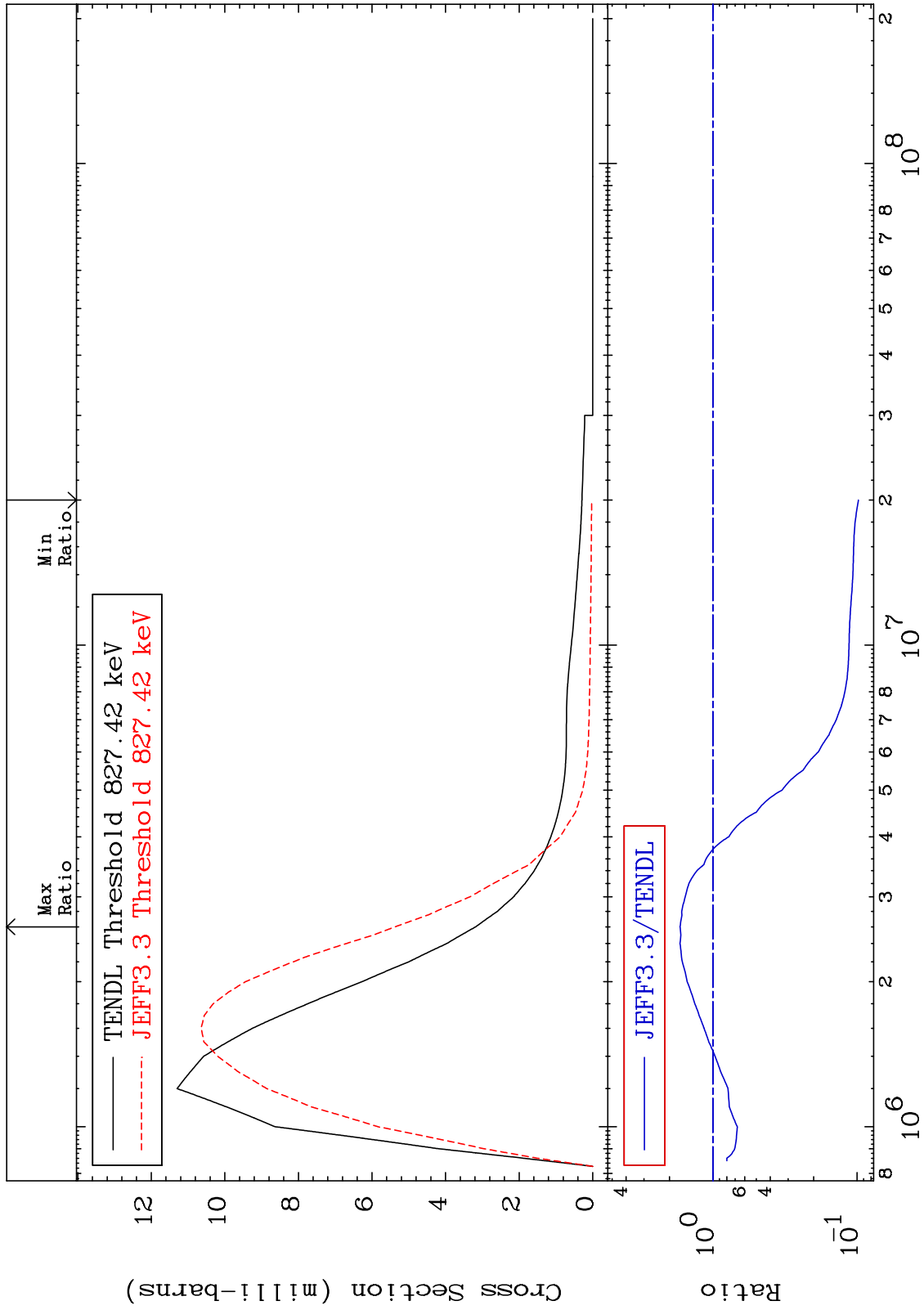
Incident Energy (eV)

65-Tb-159

MAT 6525

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

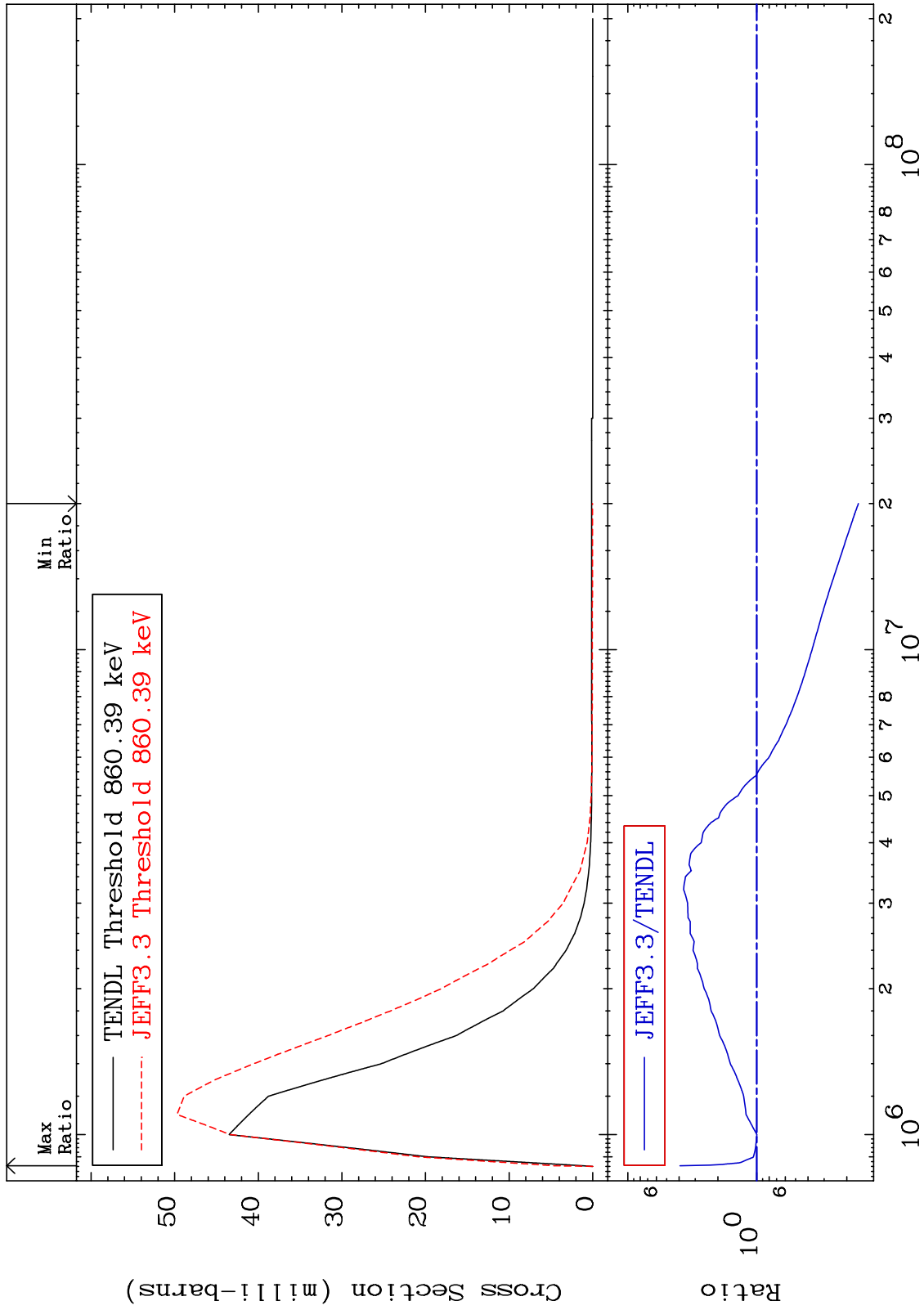
65-Tb-159
-90.23 To 68.86 %



MAT 6525

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

65-Tb-159
-83.75 To 293.2 %



34

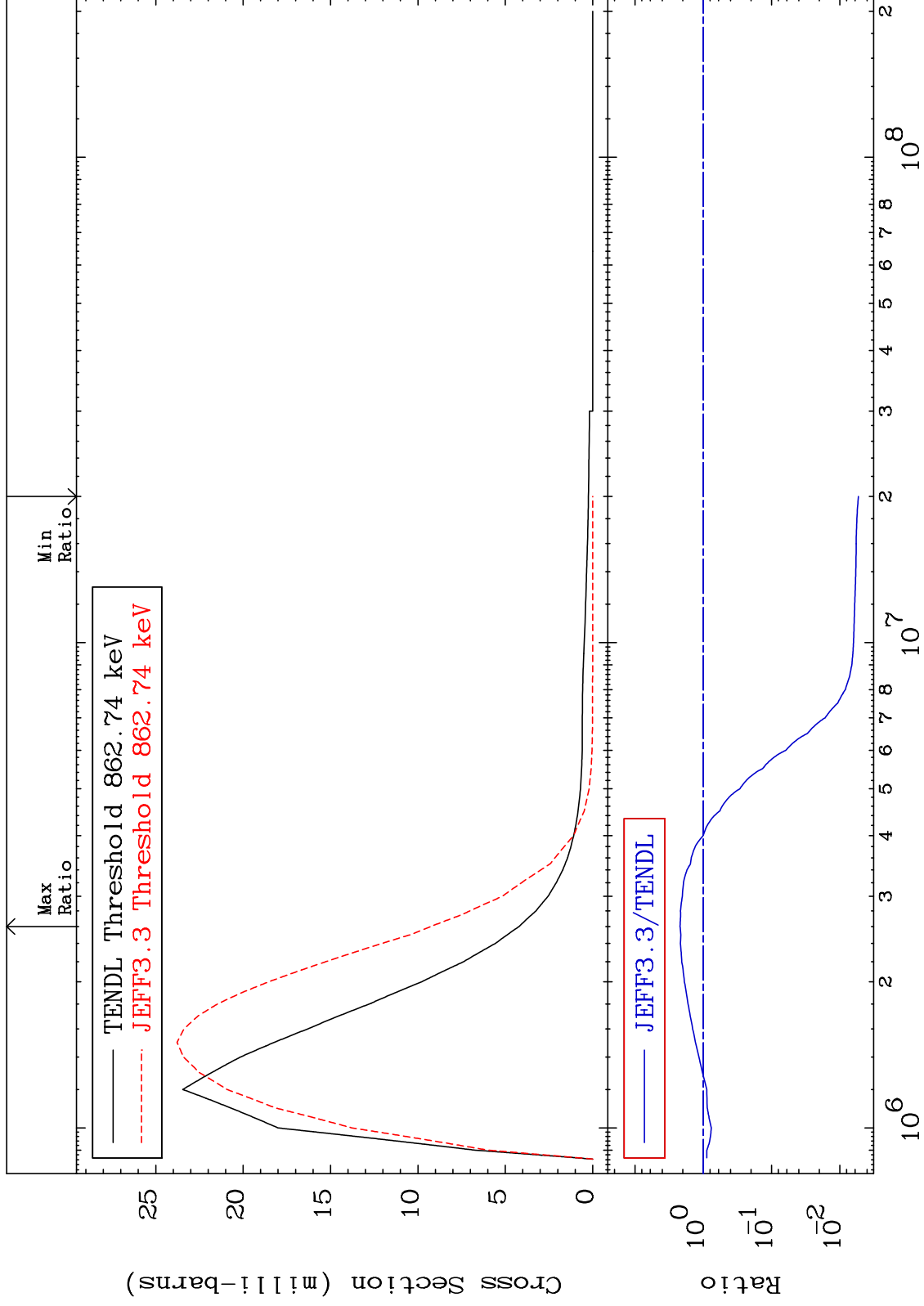
Incident Energy (eV)

65-Tb-159

MAT 6525

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

65-Tb-159
-99.46 To 119.6 %



35

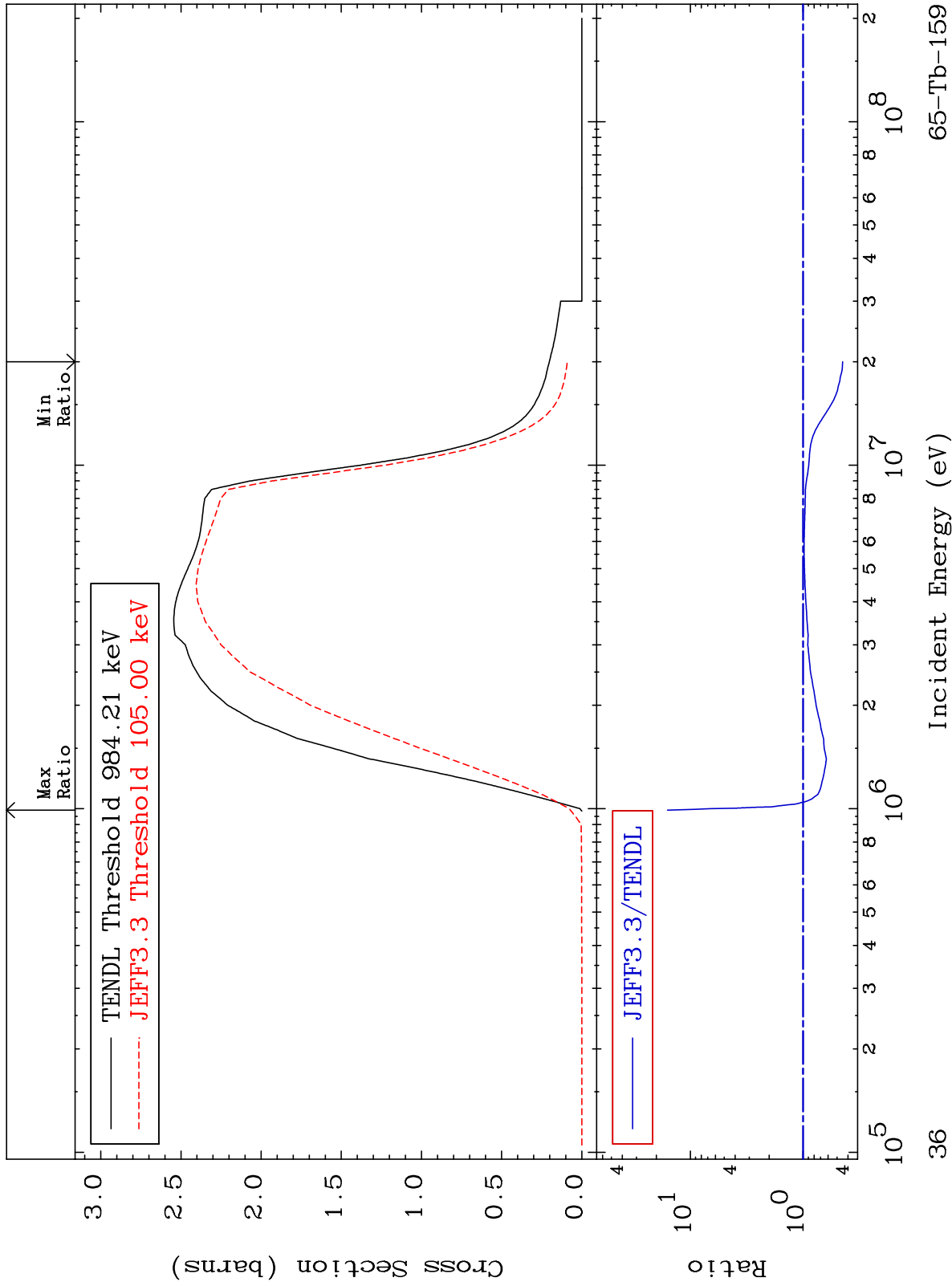
Incident Energy (eV)

65-Tb-159

MAT 6525

(n, n') Continuum
Cross Section

65-Tb-159
-55.40 To 1492. %

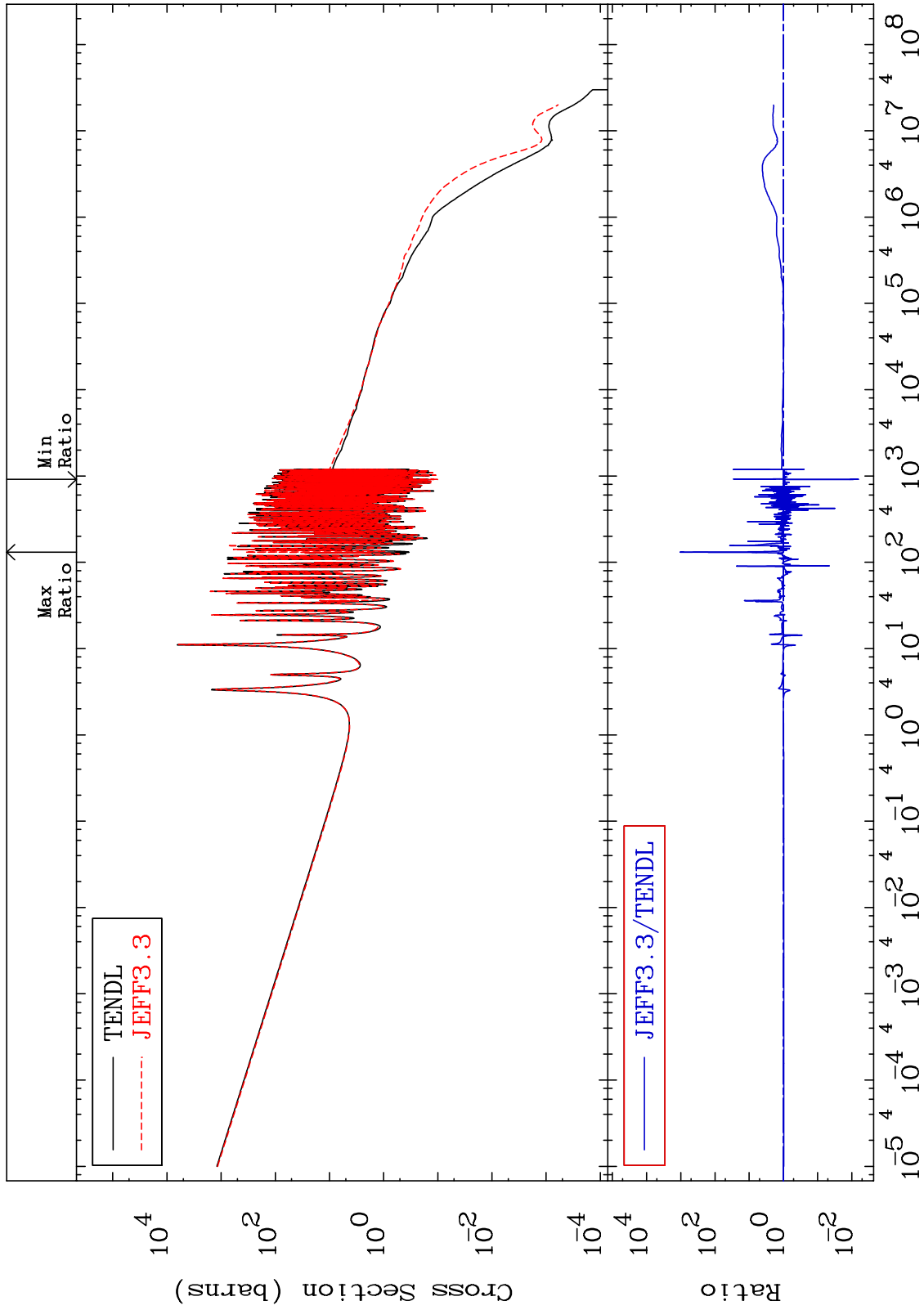


65-Tb-159

MAT 6525

(n, γ)
Cross Section

65-Tb-159
-99.36 To 9999. %



37

Incident Energy (eV)

65-Tb-159

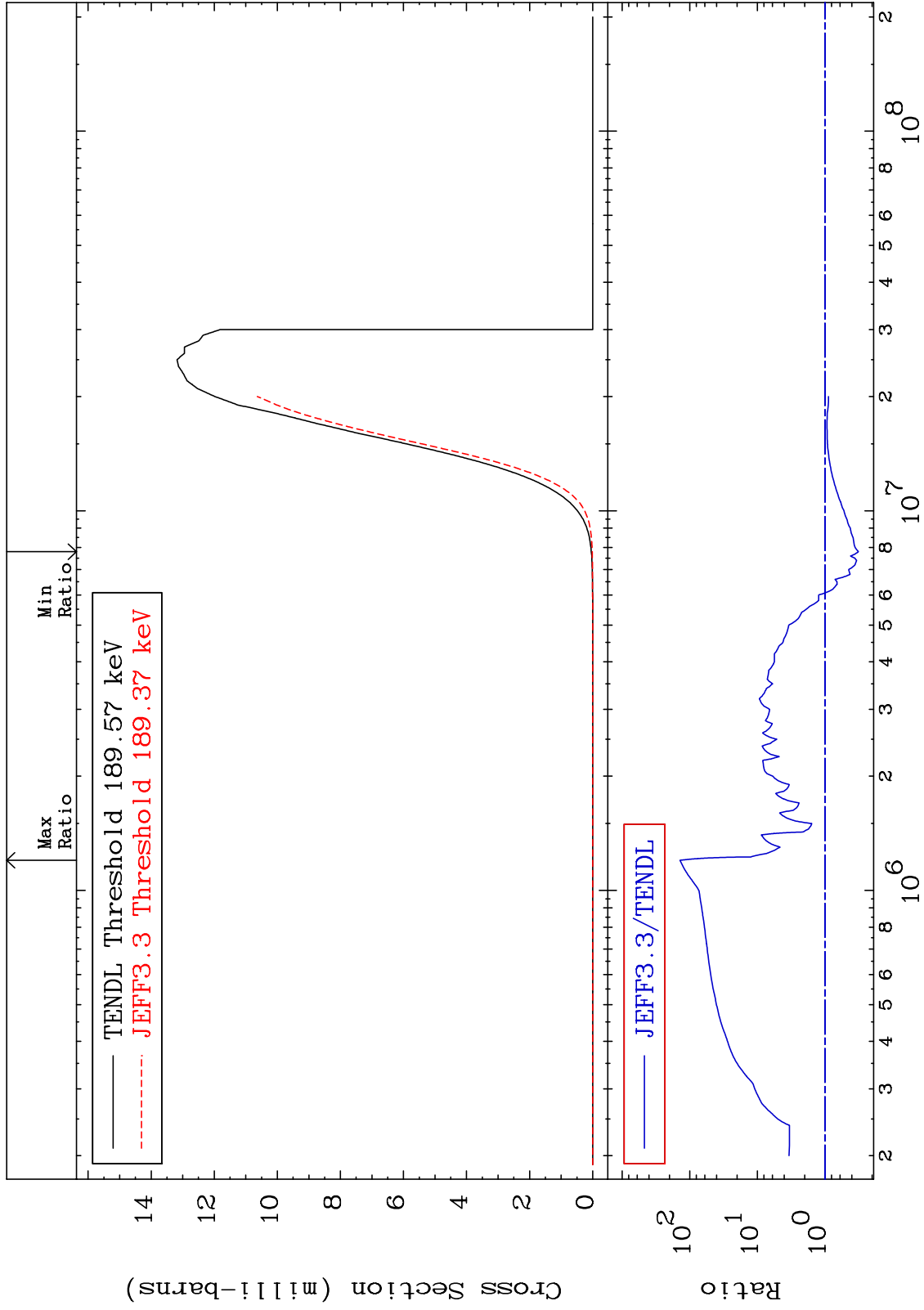
MAT 6525

(n, p)

65-Tb-159

Cross Section

-68.01 To 9999. %



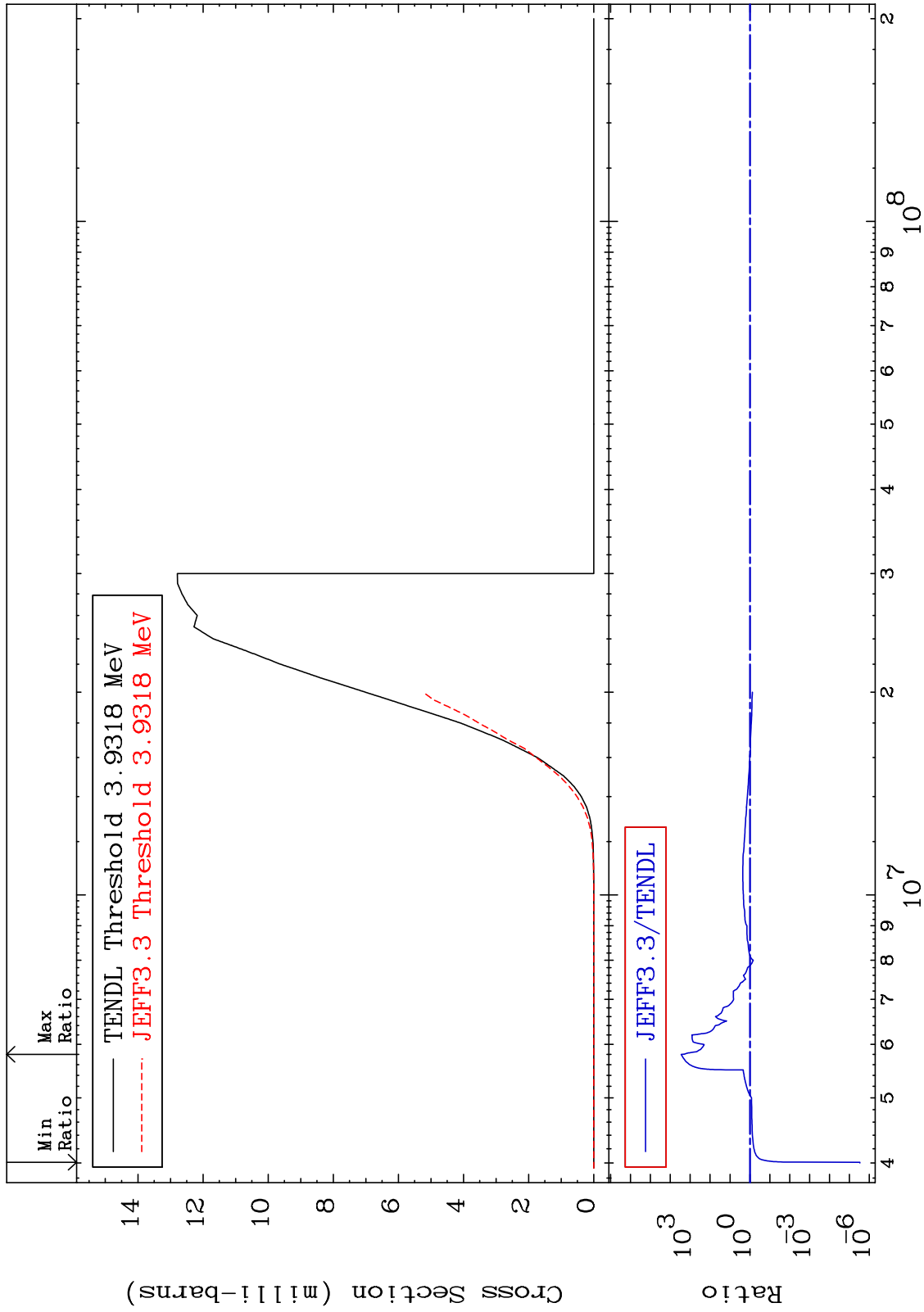
MAT 6525

(n, d)

65-Tb-159

Cross Section

-100.0 To 9999. %



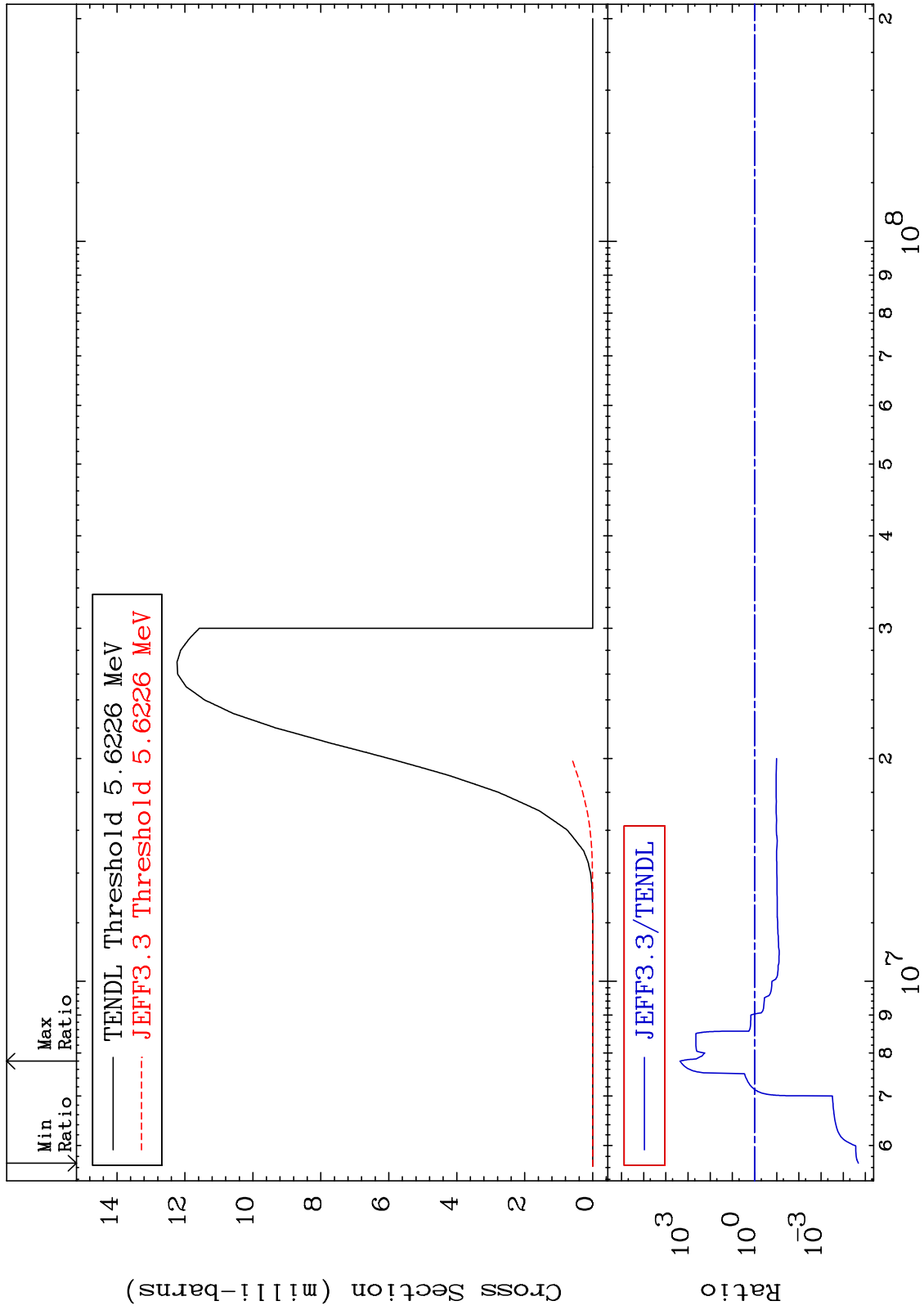
MAT 6525

(n, t)

65-Tb-159

Cross Section

-100.0 To 9999. %



40

Incident Energy (eV)

65-Tb-159

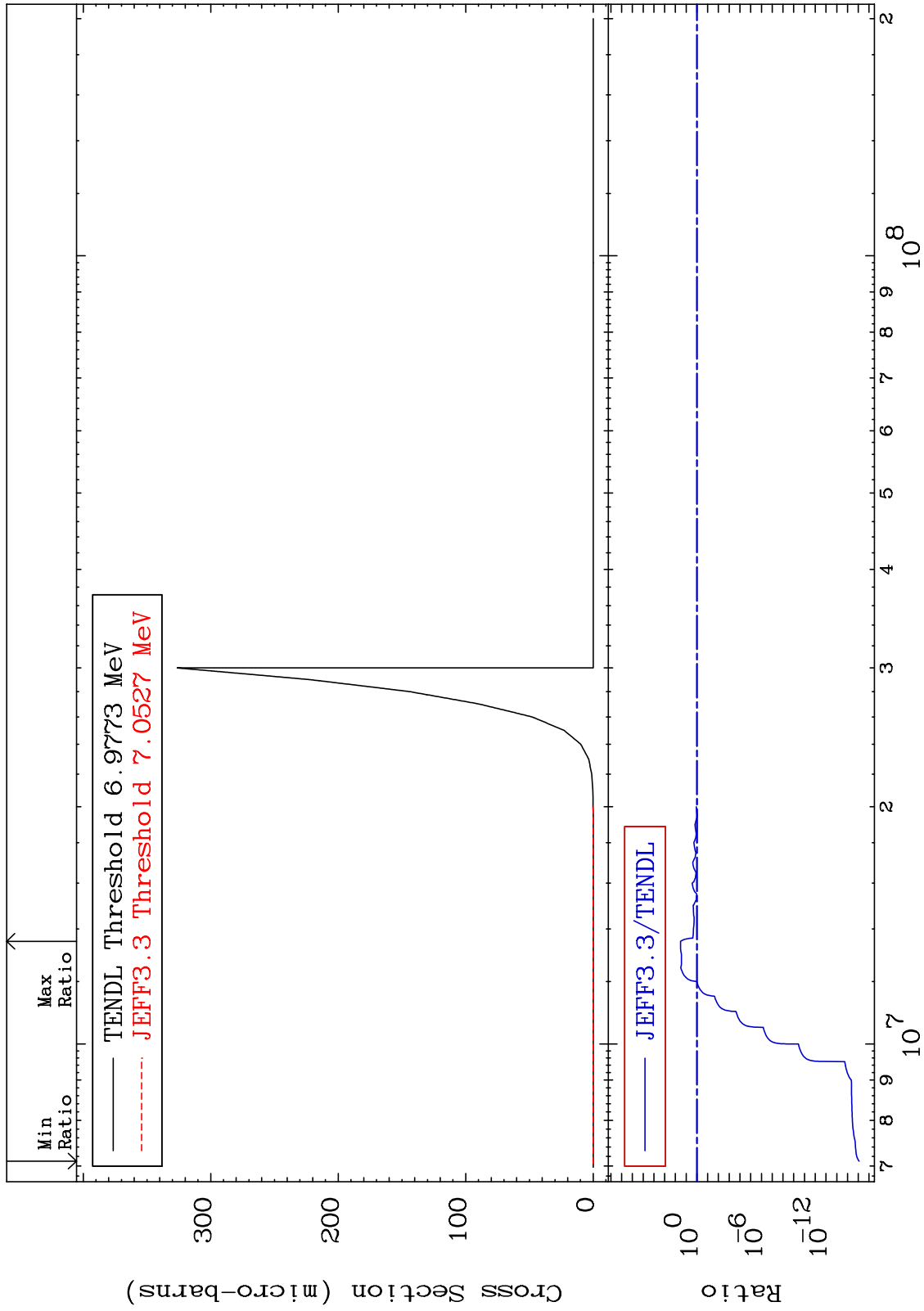
MAT 6525

(n, He-3)

65-Tb-159

Cross Section

-100.0 To 3164. %



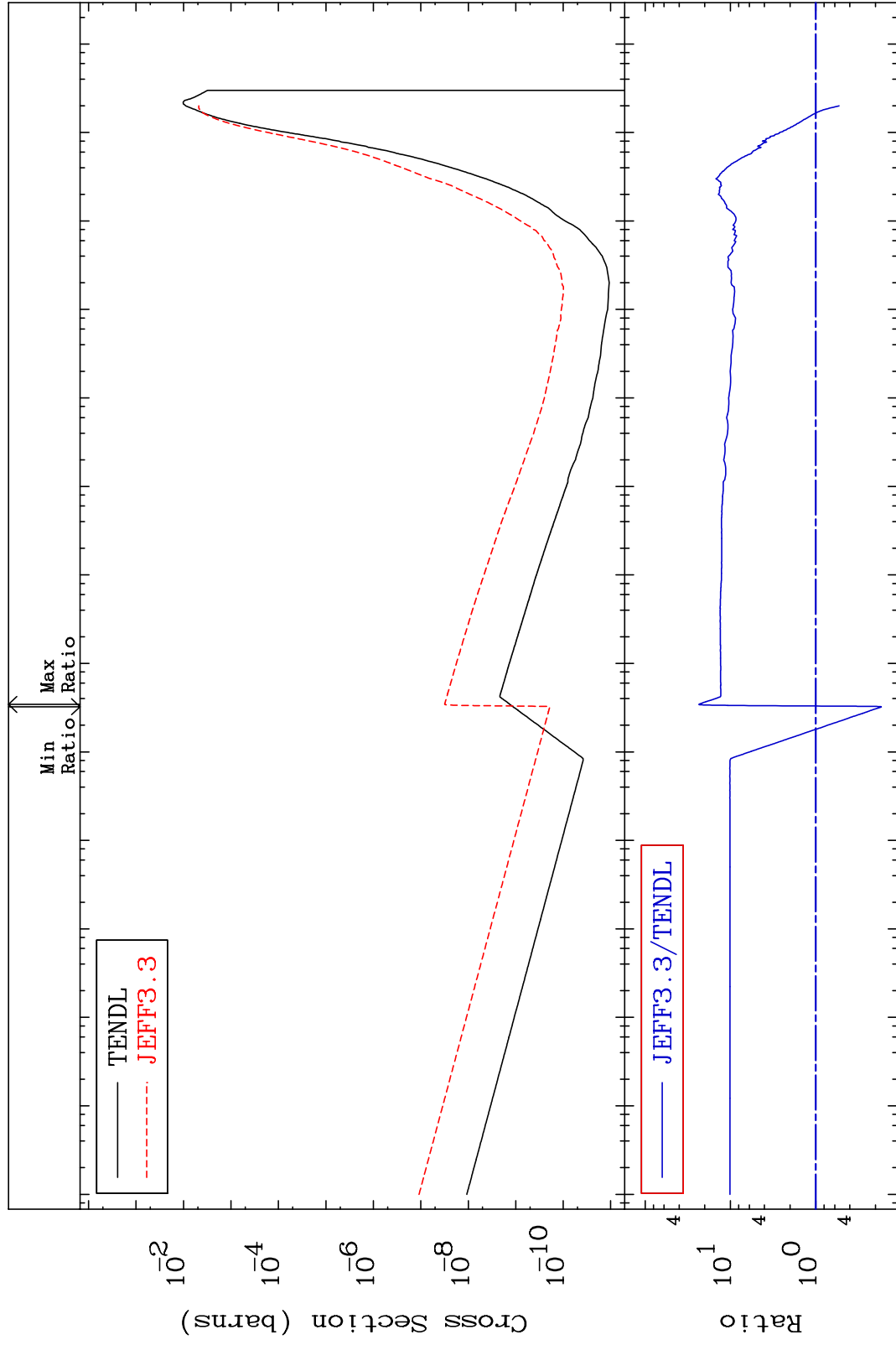
MAT 6525

(n, α)

65-Tb-159

-83.02 To 2256. %

Cross Section



Incident Energy (eV)

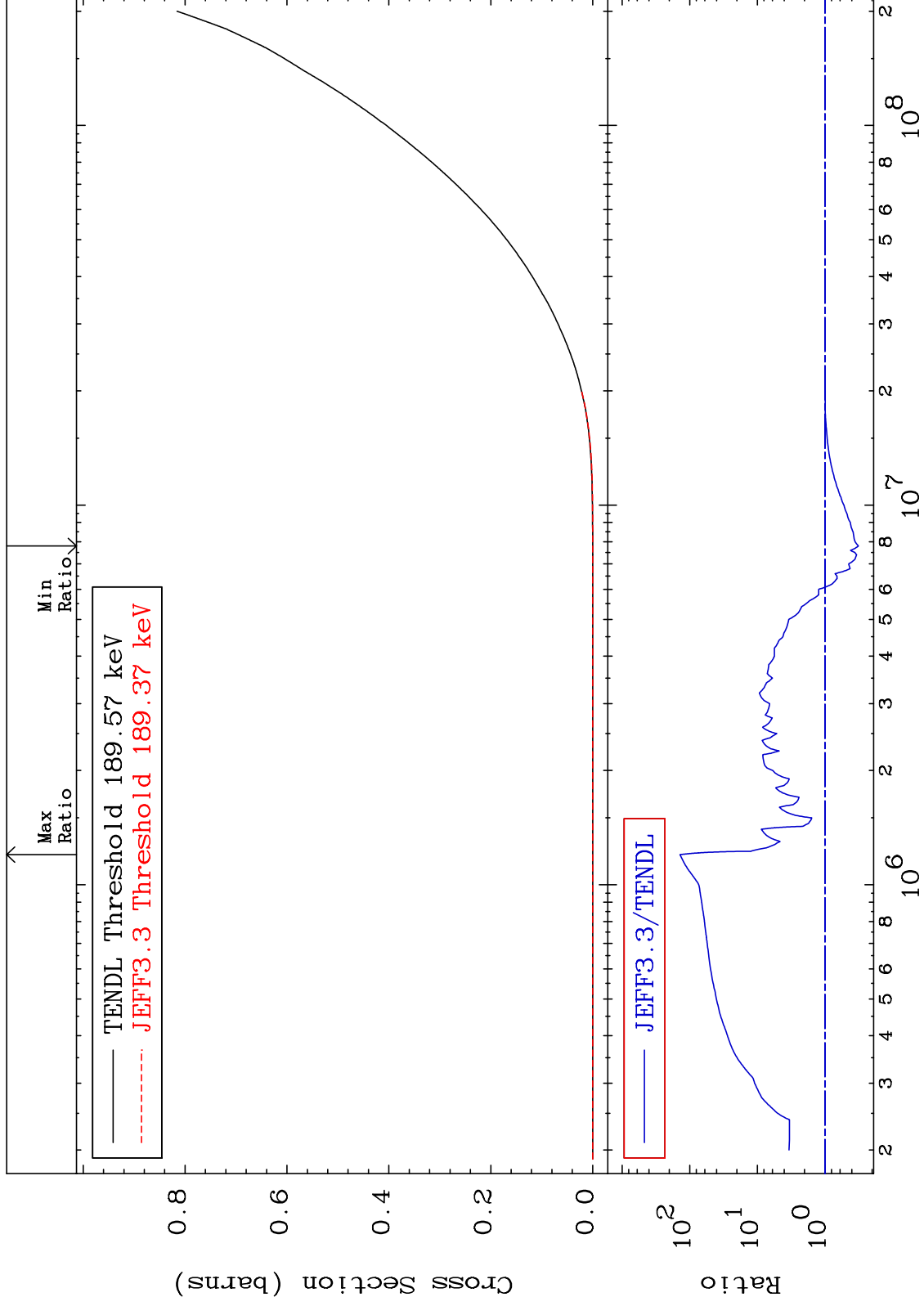
65-Tb-159

42

MAT 6525

Hydrogen Production
Cross Section

65-Tb-159
-68.01 To 9999. %



43

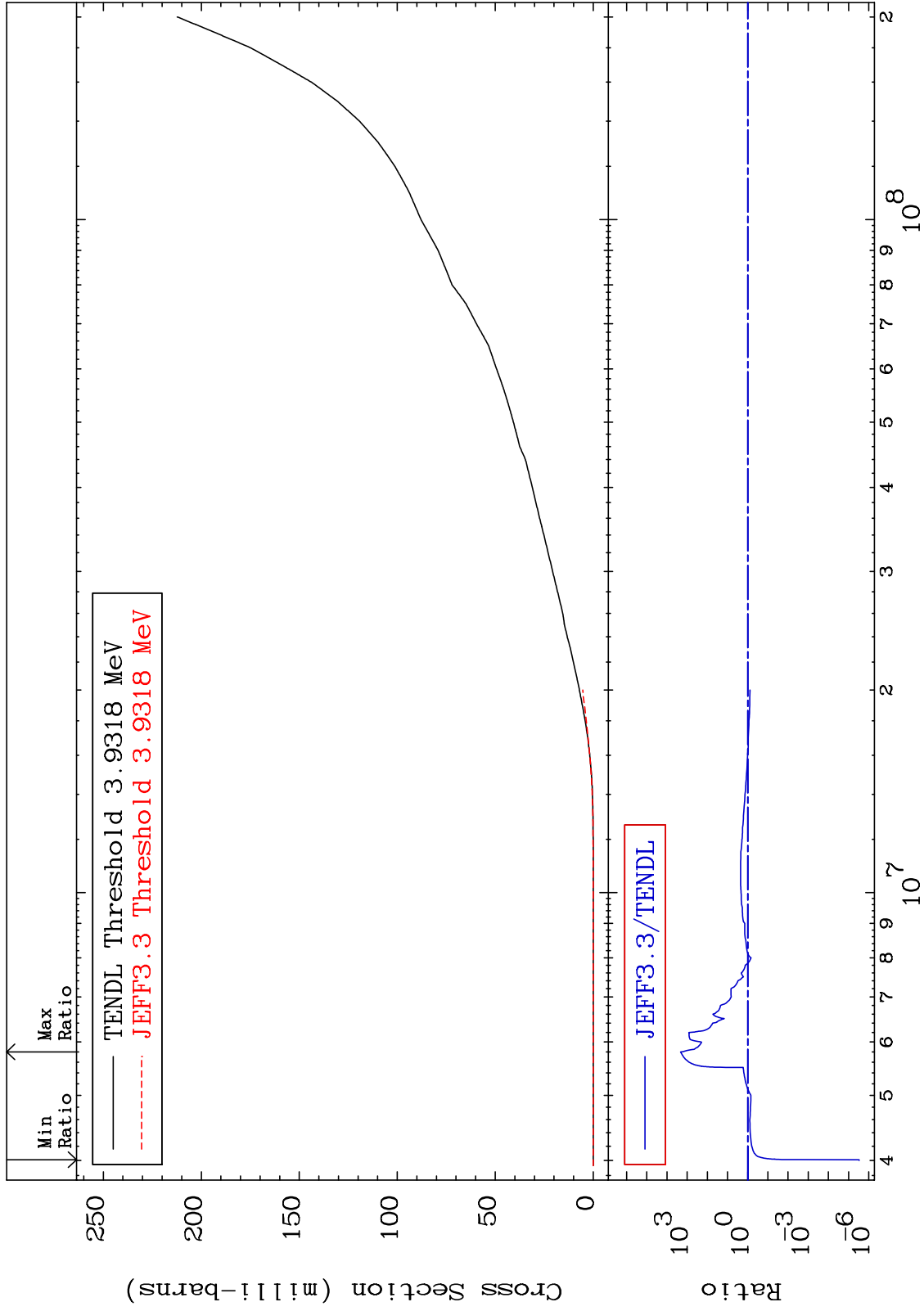
Incident Energy (eV)

65-Tb-159

MAT 6525

Deuterium Production
Cross Section

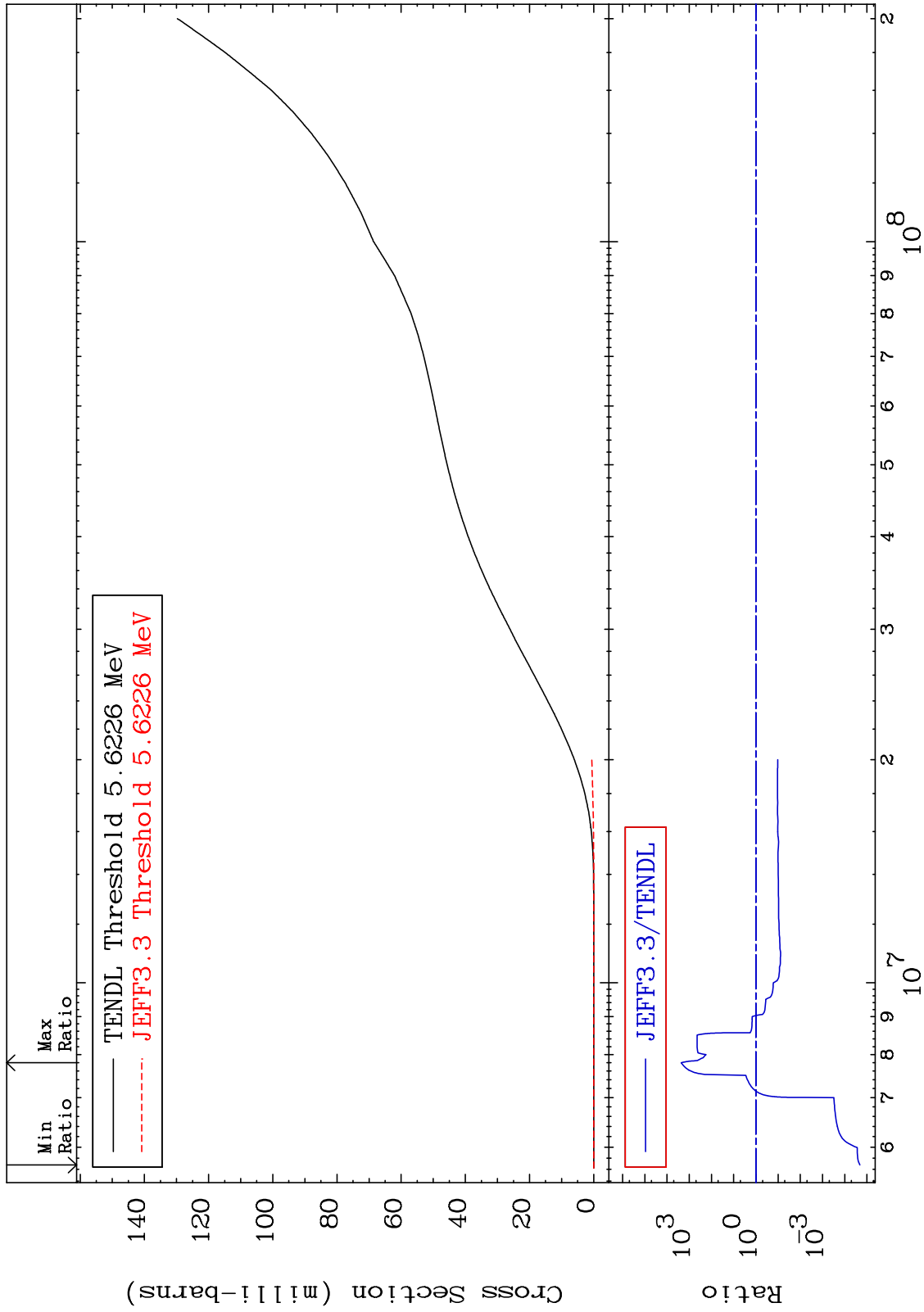
65-Tb-159
-100.0 To 9999. %



MAT 6525

Tritium Production
Cross Section

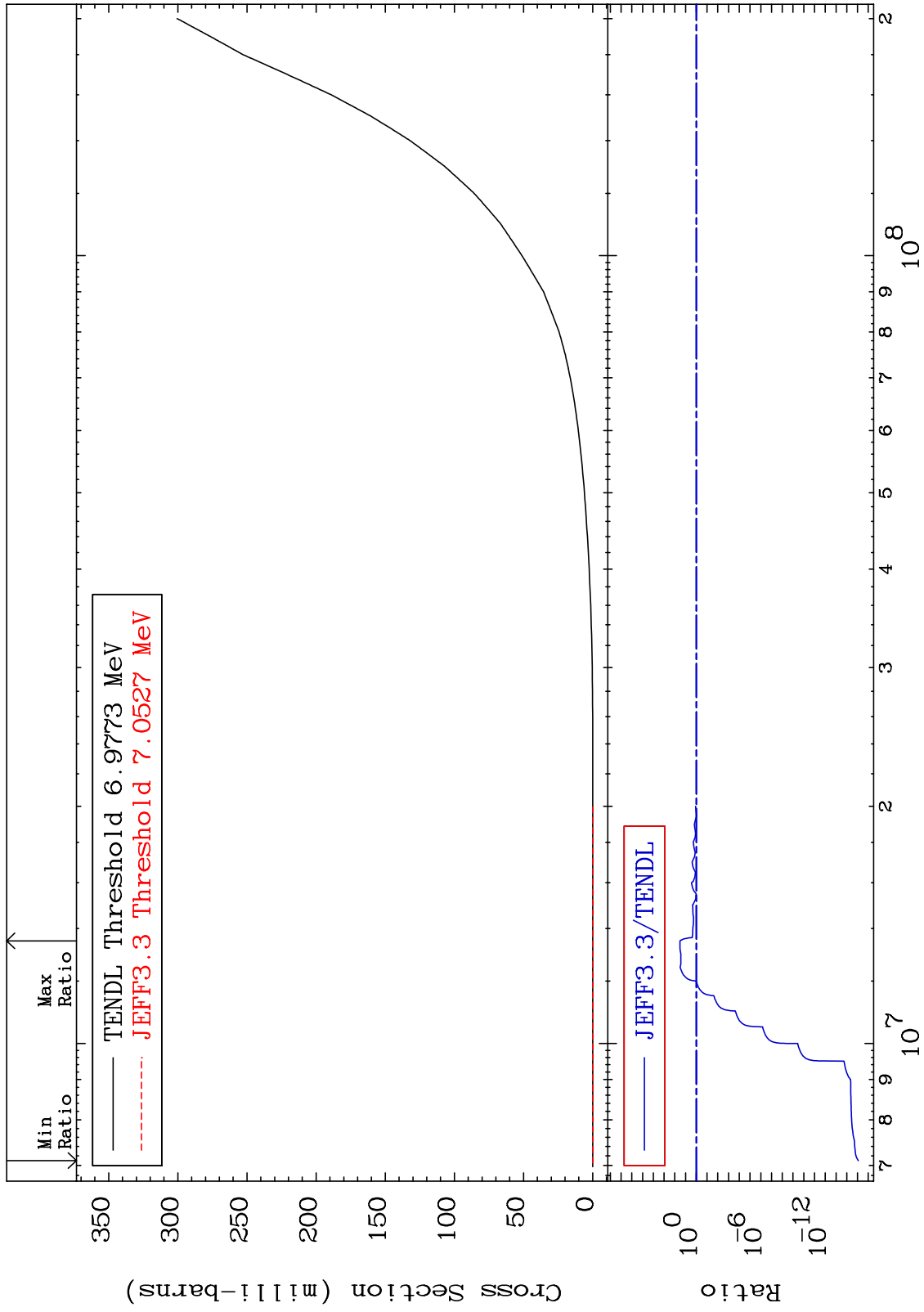
65-Tb-159
-100.0 To 9999. %



MAT 6525

He-3 Production
Cross Section

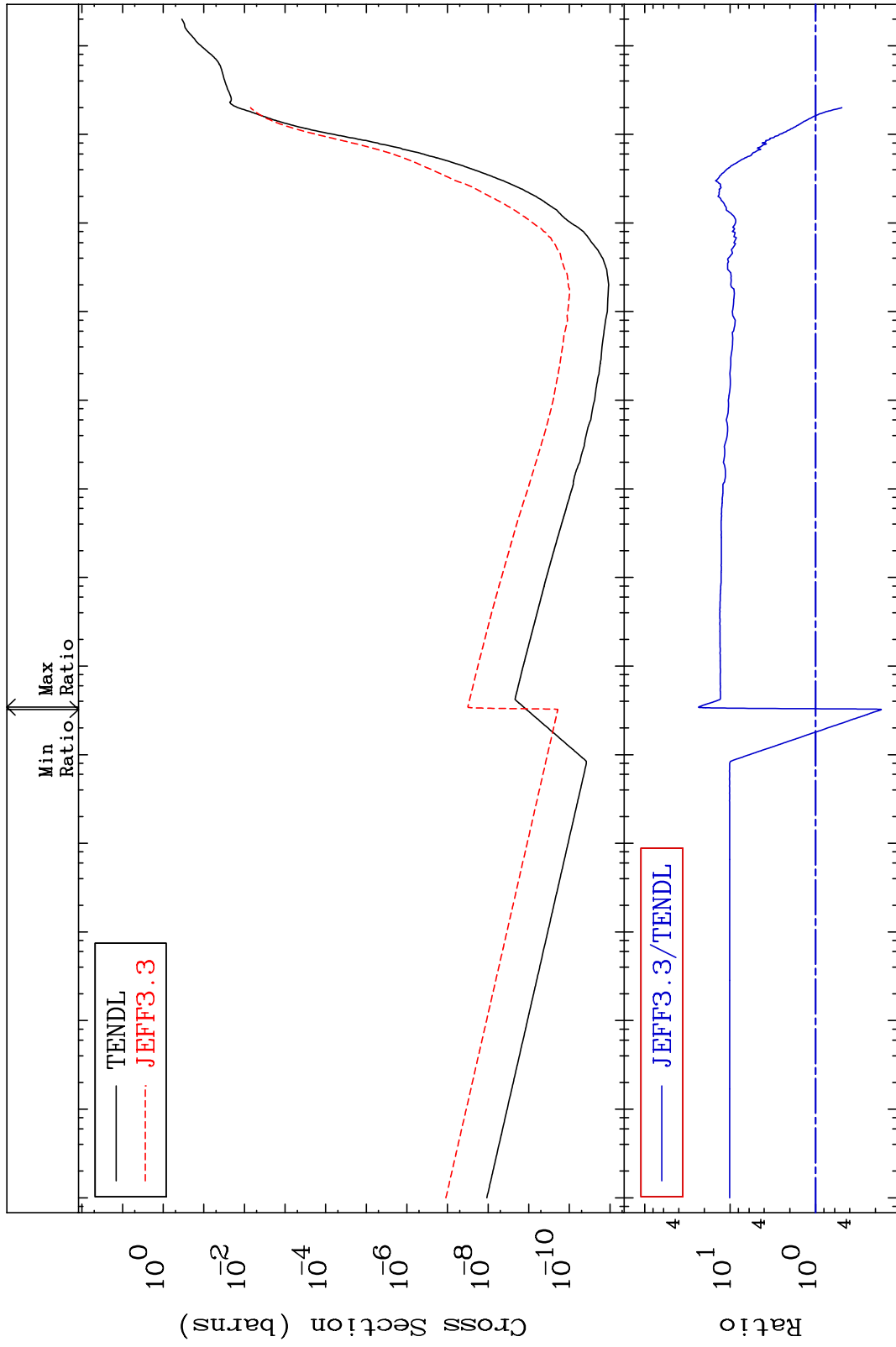
65-Tb-159
-100.0 To 3164. %



MAT 6525

He-4 Production
Cross Section

65-Tb-159
-83.02 To 2256. %



47

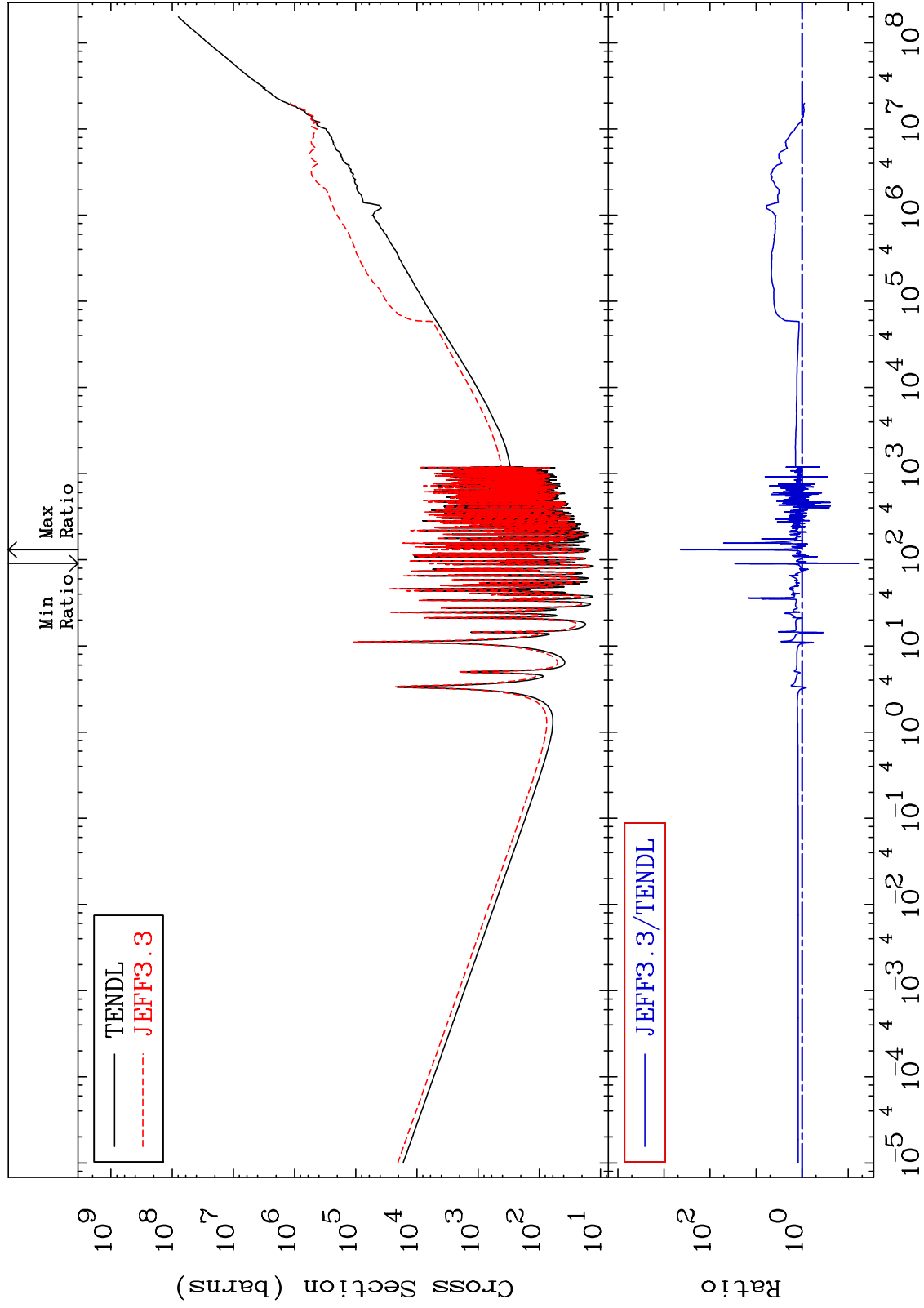
Incident Energy (eV)

65-Tb-159

MAT 6525

Kerma total (eV-barns)
Cross Section

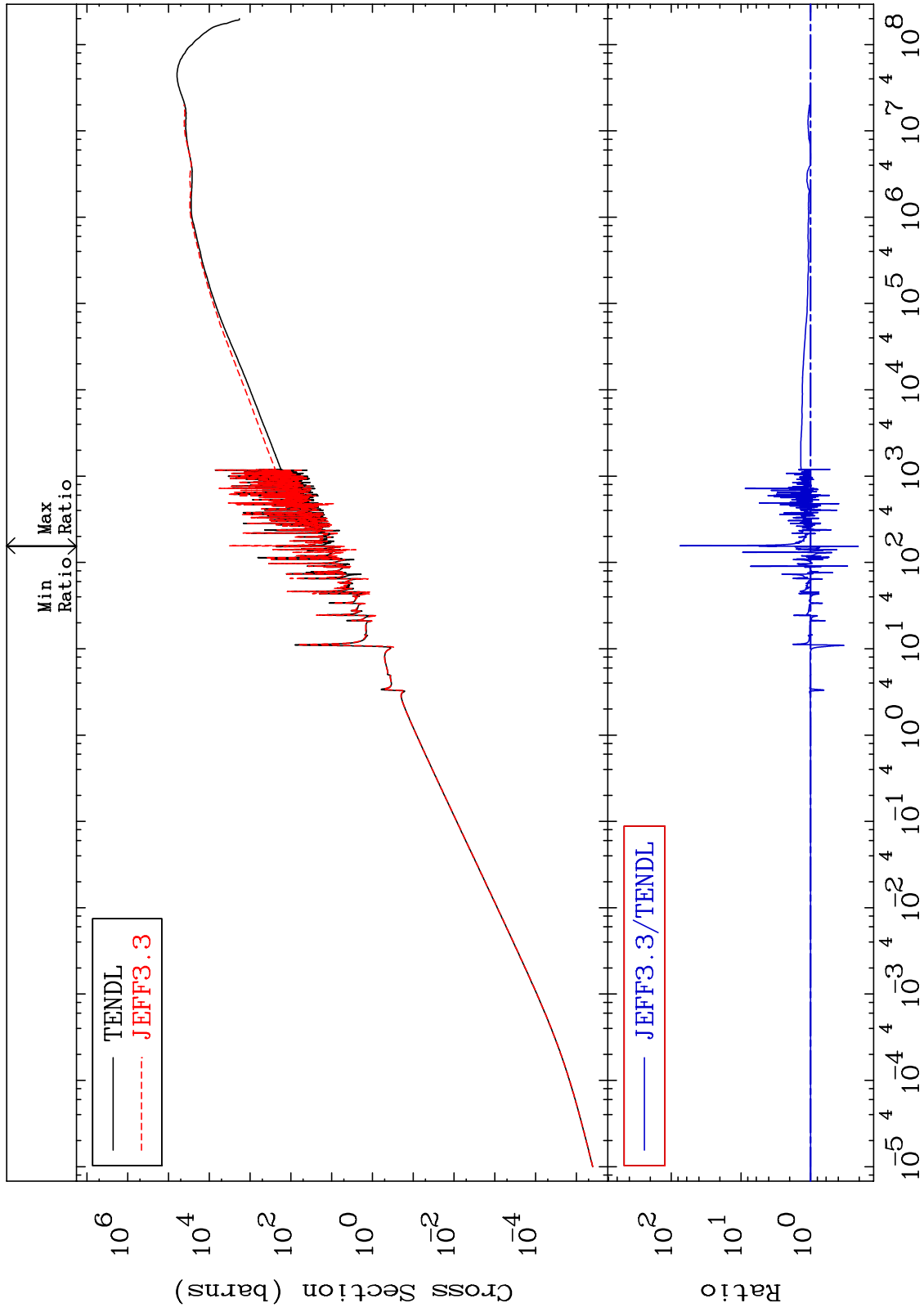
65-Tb-159
-94.02 To 9999. %



MAT 6525

Kerma elastic
Cross Section

65-Tb-159
-79.42 To 7390. %



49

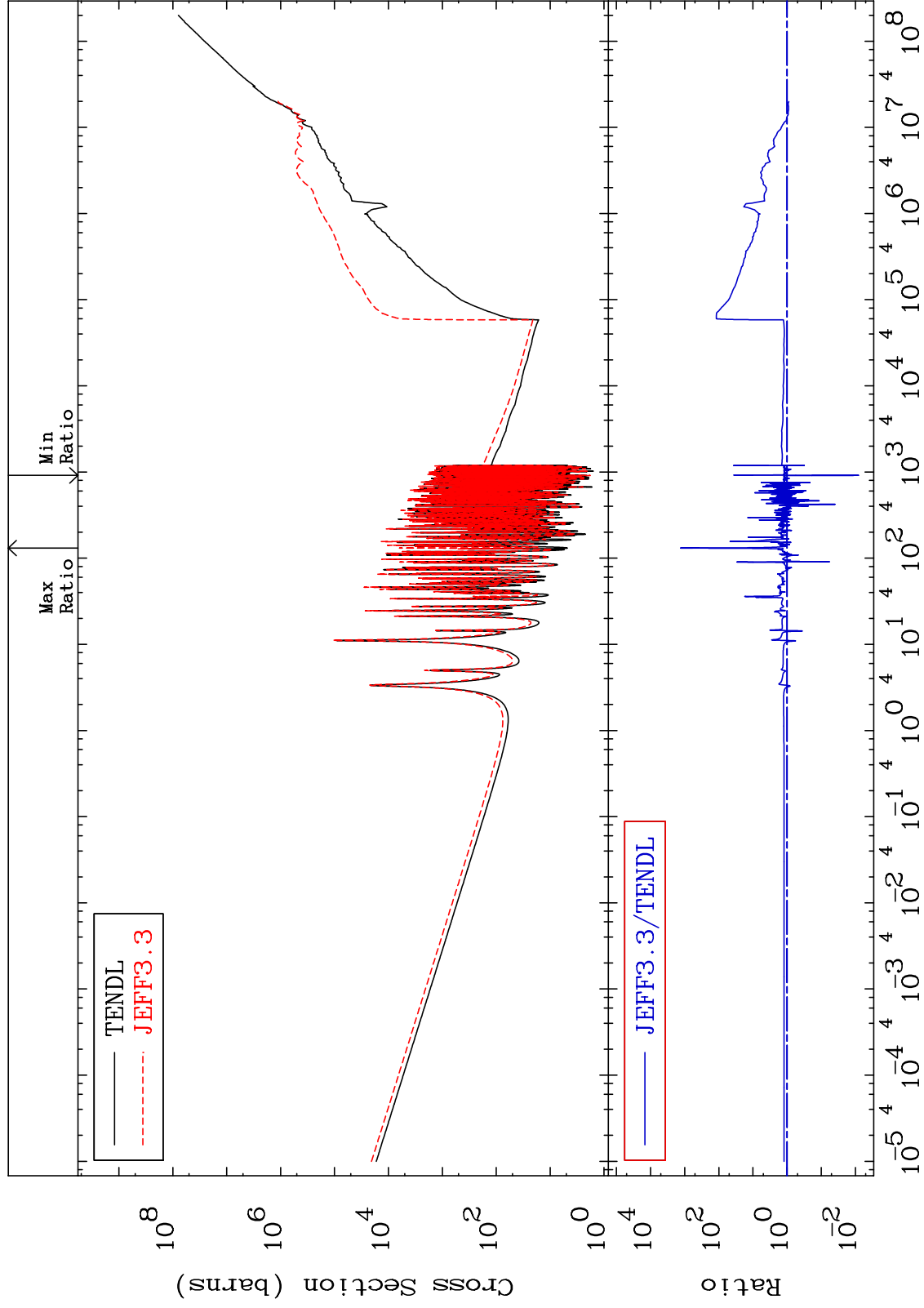
Incident Energy (eV)

65-Tb-159

MAT 6525

Kerma non-elastic (all but mt2)
Cross Section

65-Tb-159
-99.19 To 9999. %



50

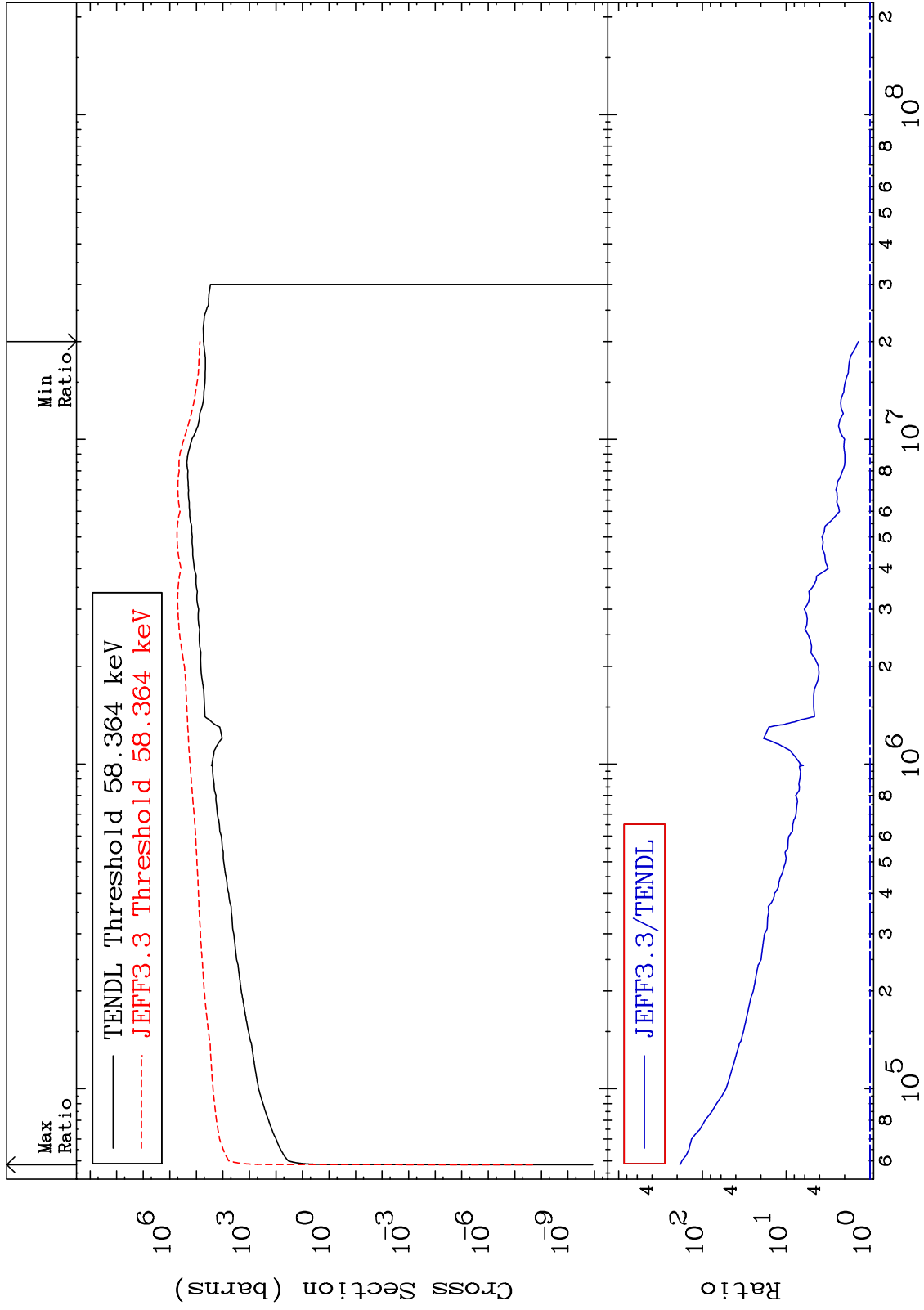
Incident Energy (eV)

65-Tb-159

MAT 6525

Kerma inelastic (mt51-91)
Cross Section

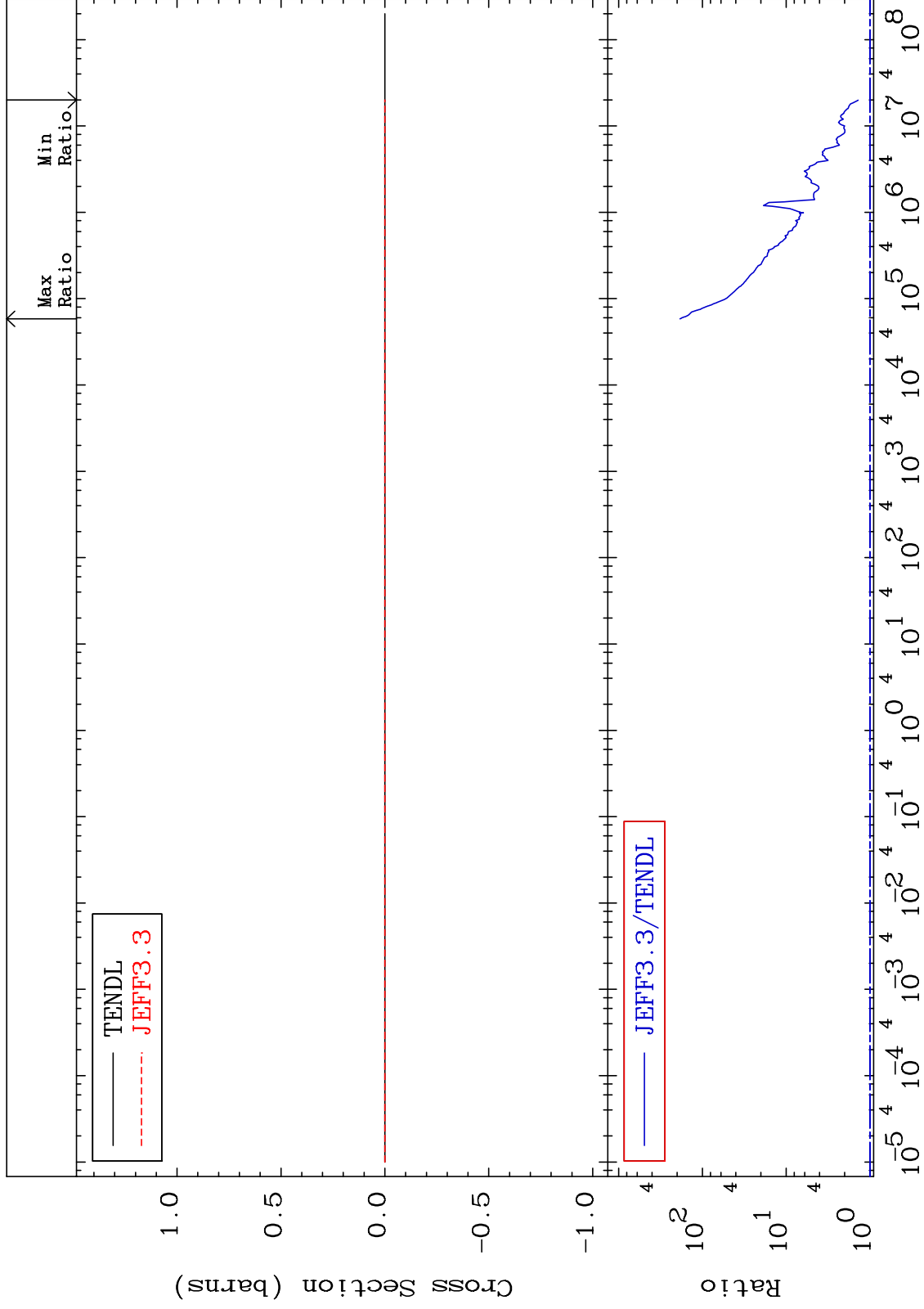
65-Tb-159
37.02 To 9999. %



MAT 6525

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

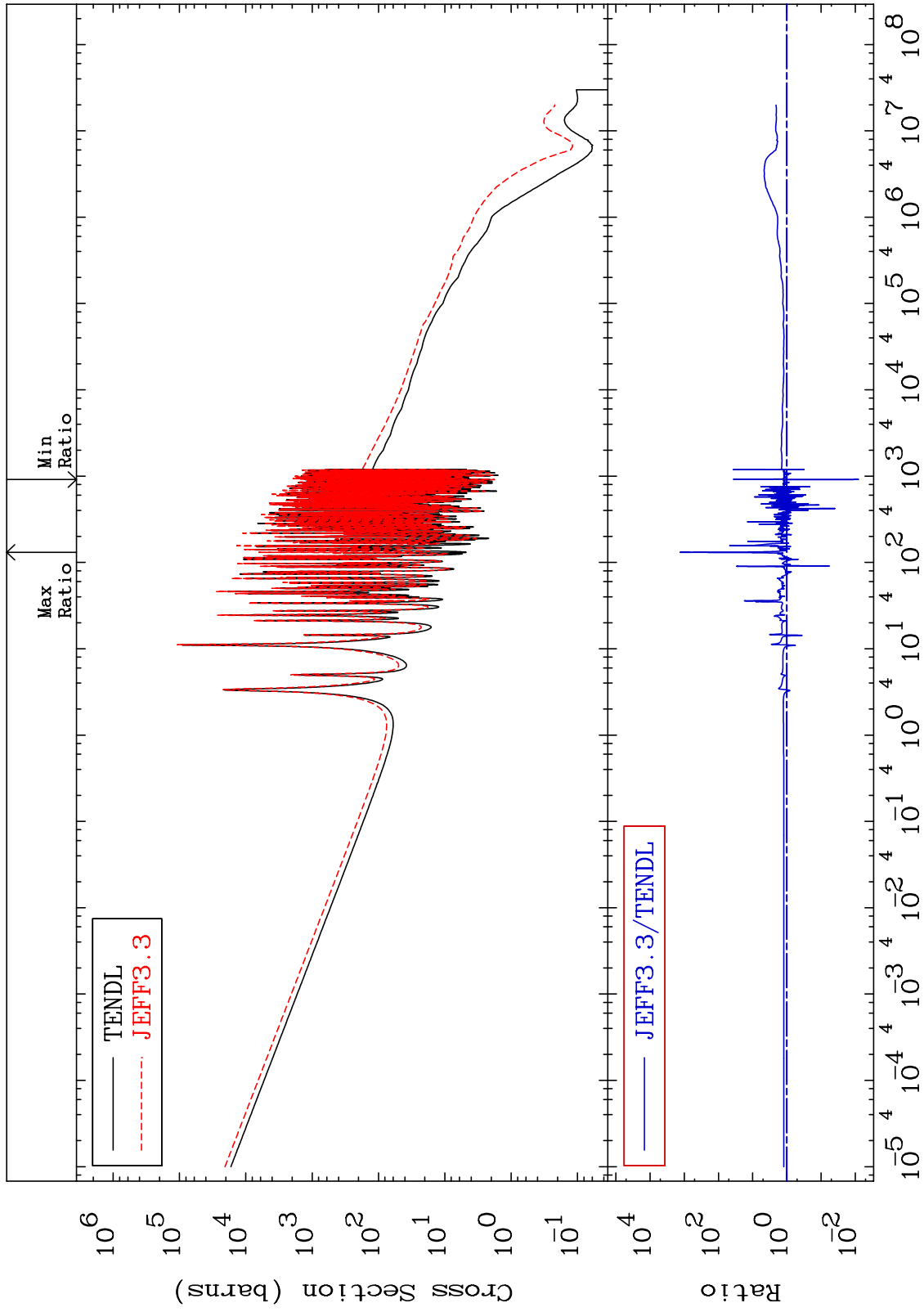
65-Tb-159
37.02 To 9999. %



MAT 6525

Kerma capture (mt102)
Cross Section

65-Tb-159
-99.19 To 9999. %



53

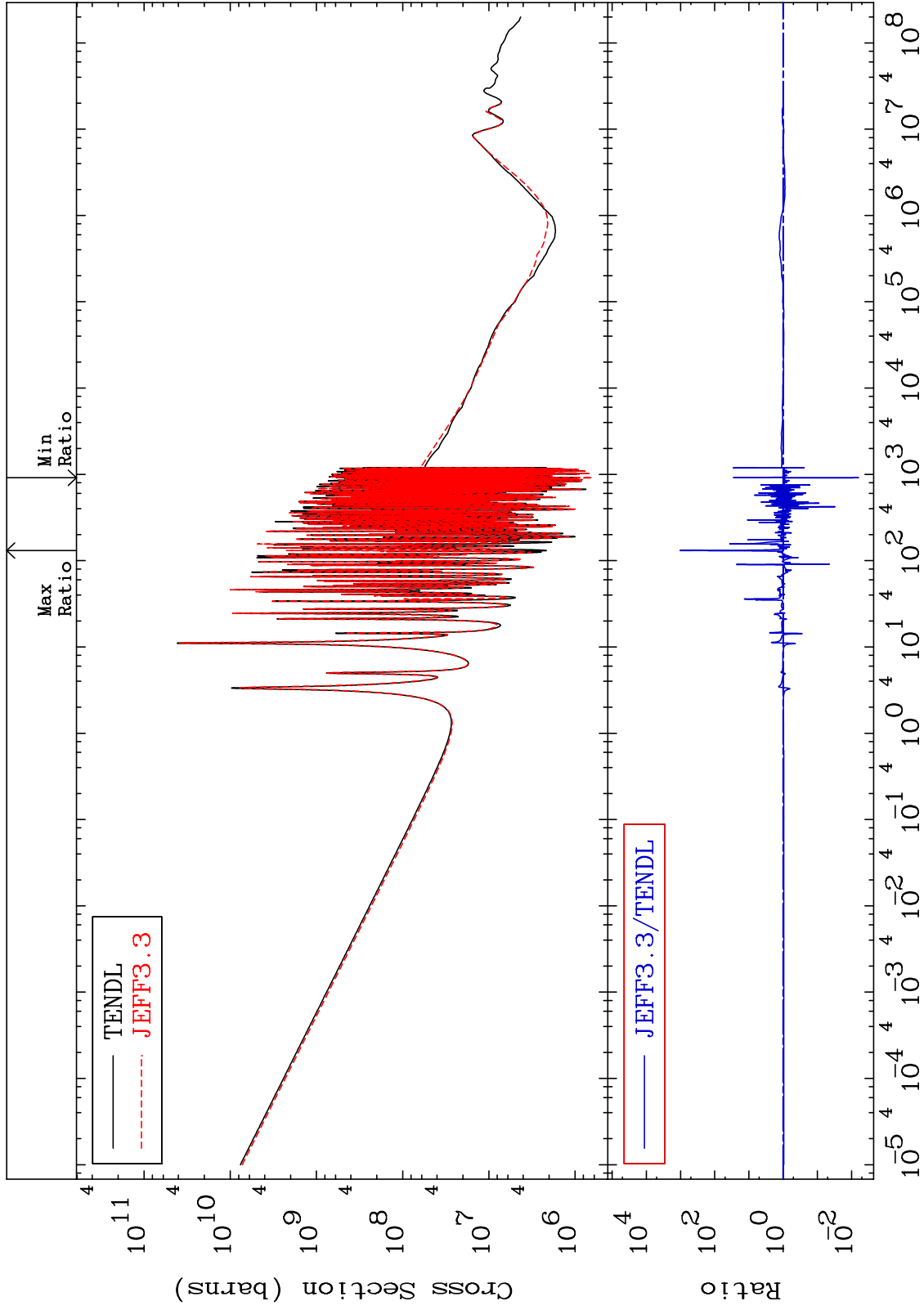
Incident Energy (eV)

65-Tb-159

MAT 6525

Total photon (eV-barns)
Cross Section

65-Tb-159
-99.37 To 9999. %



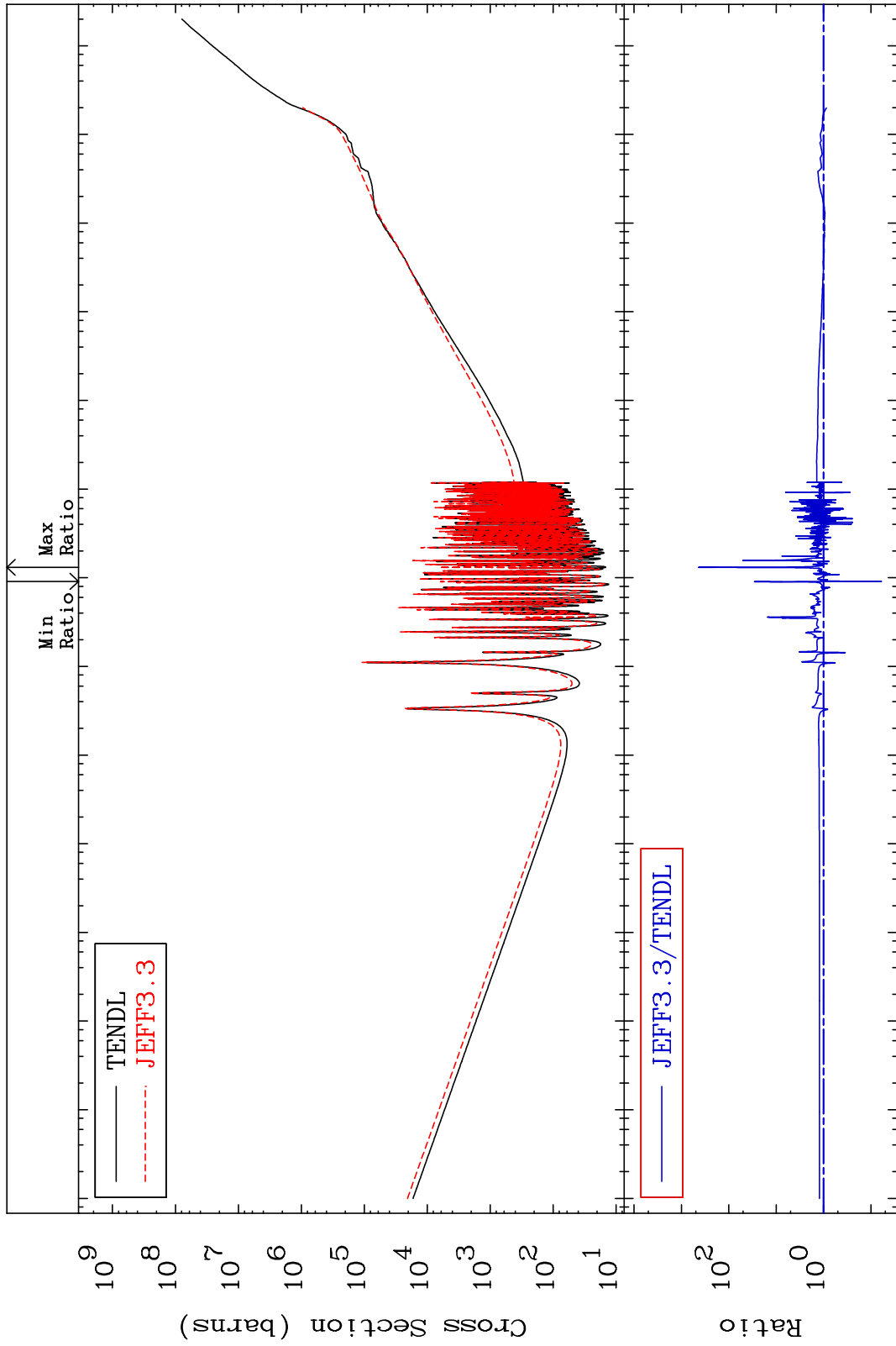
MAT 6525

Total kinematic kerma (high limit)

65-Tb-159

-94.02 To 9999. %

Cross Section



55

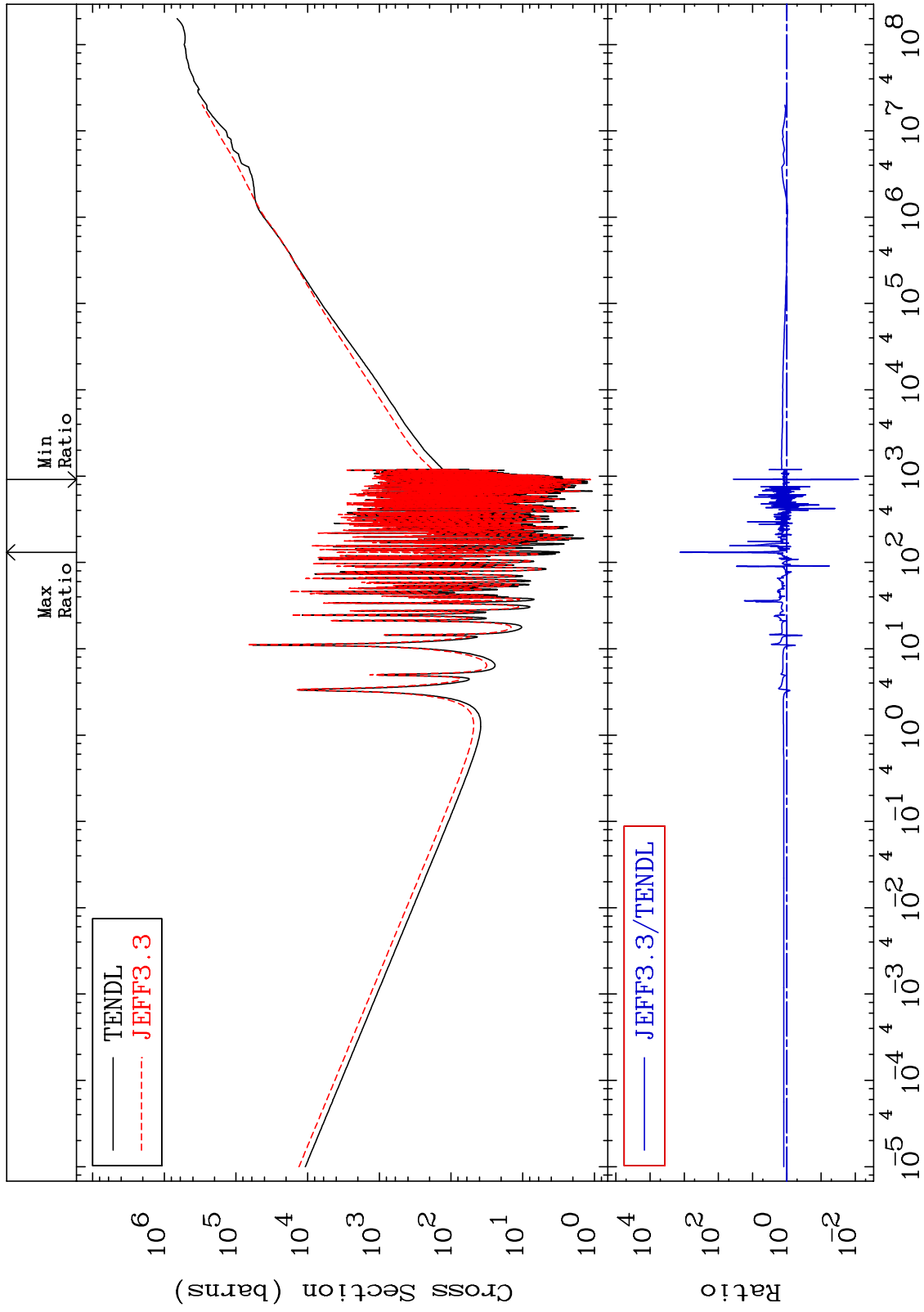
Incident Energy (eV)

65-Tb-159

MAT 6525

Dpa total (eV-barns)
Cross Section

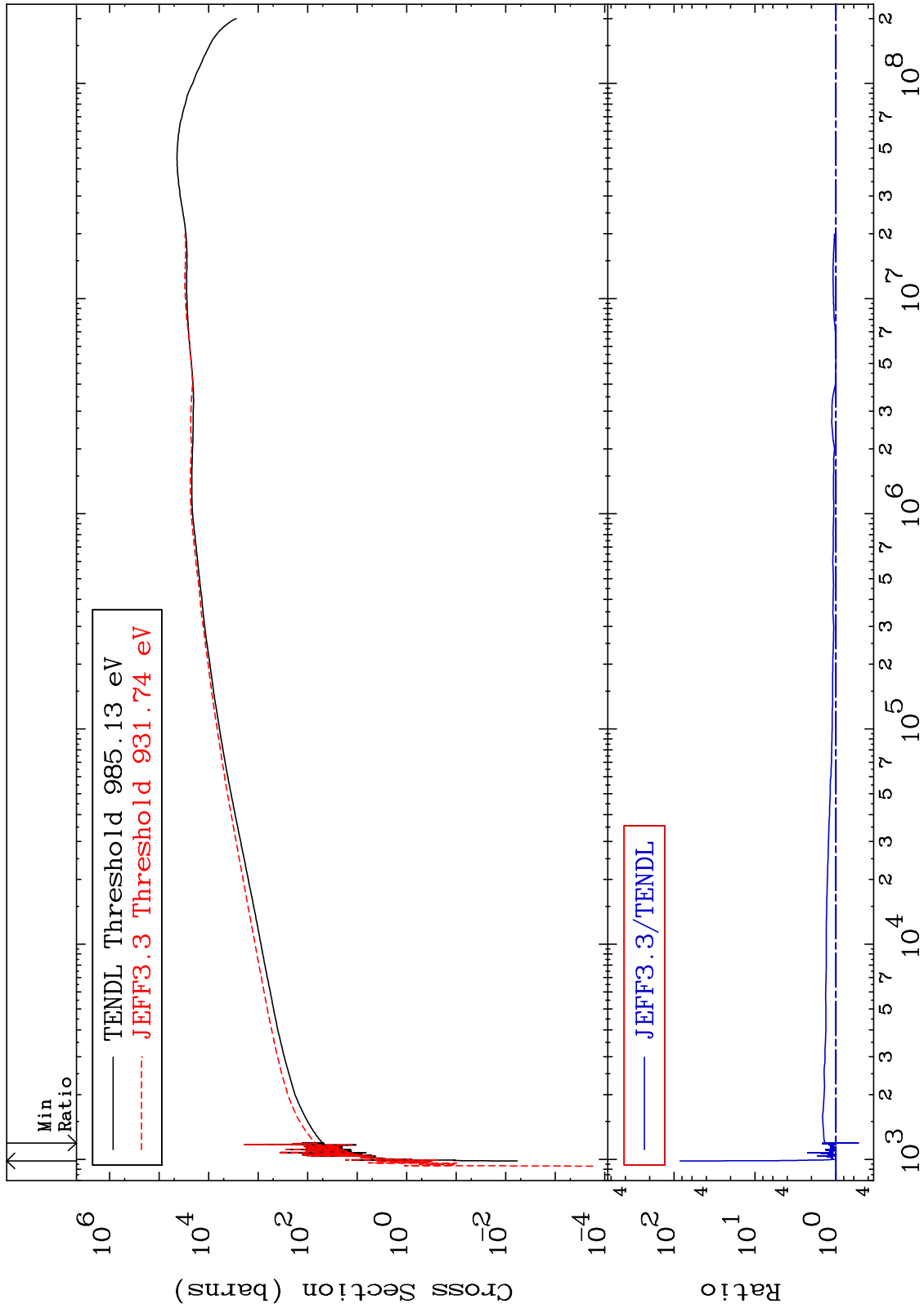
65-Tb-159
-99.19 To 9999. %



MAT 6525

Dpa elastic (mt2)
Cross Section

65-Tb-159
-47.33 To 8344. %



57

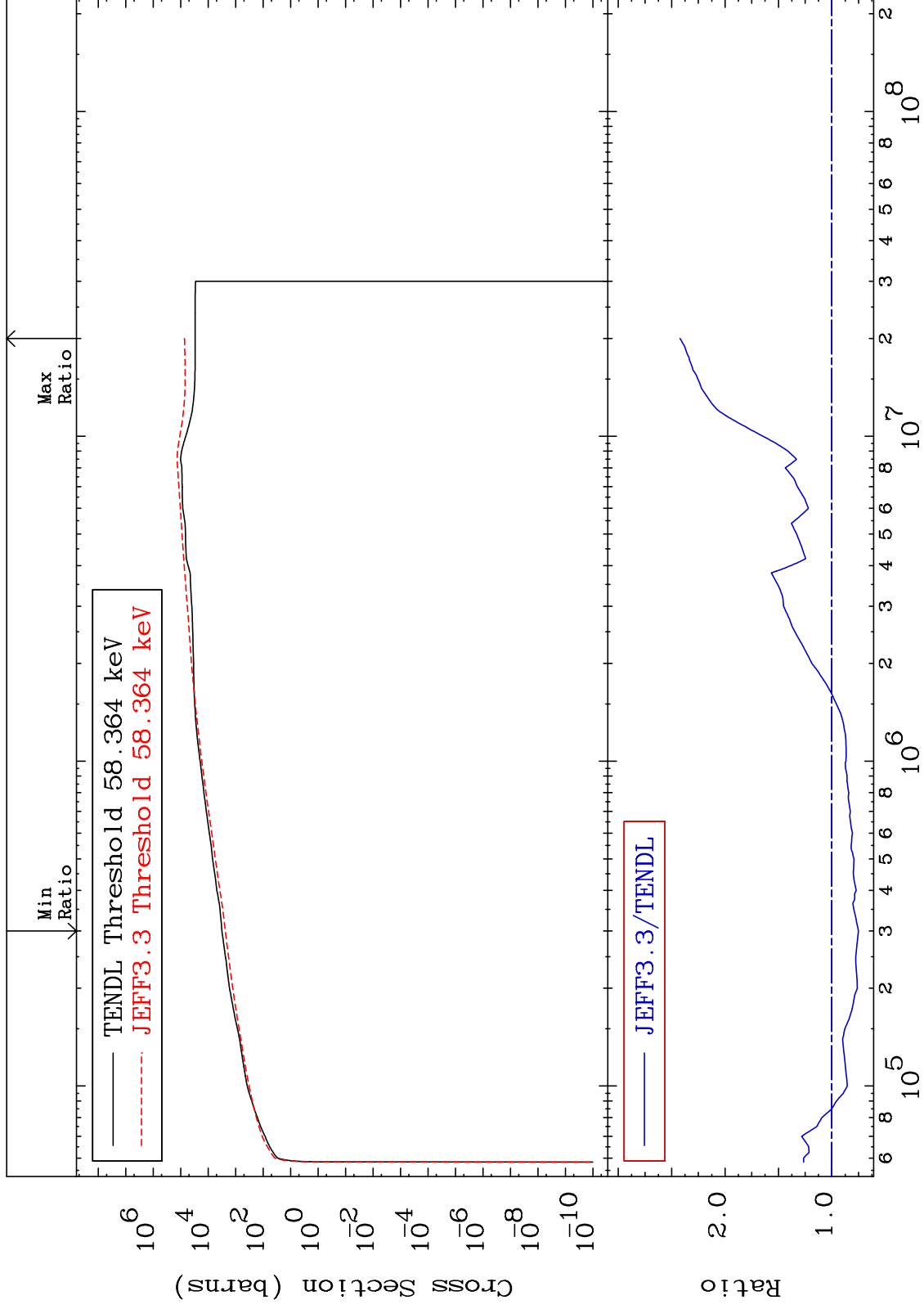
Incident Energy (eV)

65-Tb-159

MAT 6525

Dpa inelastic (mt51-91)
Cross Section

65-Tb-159
-24.88 To 142.2 %



58

65-Tb-159

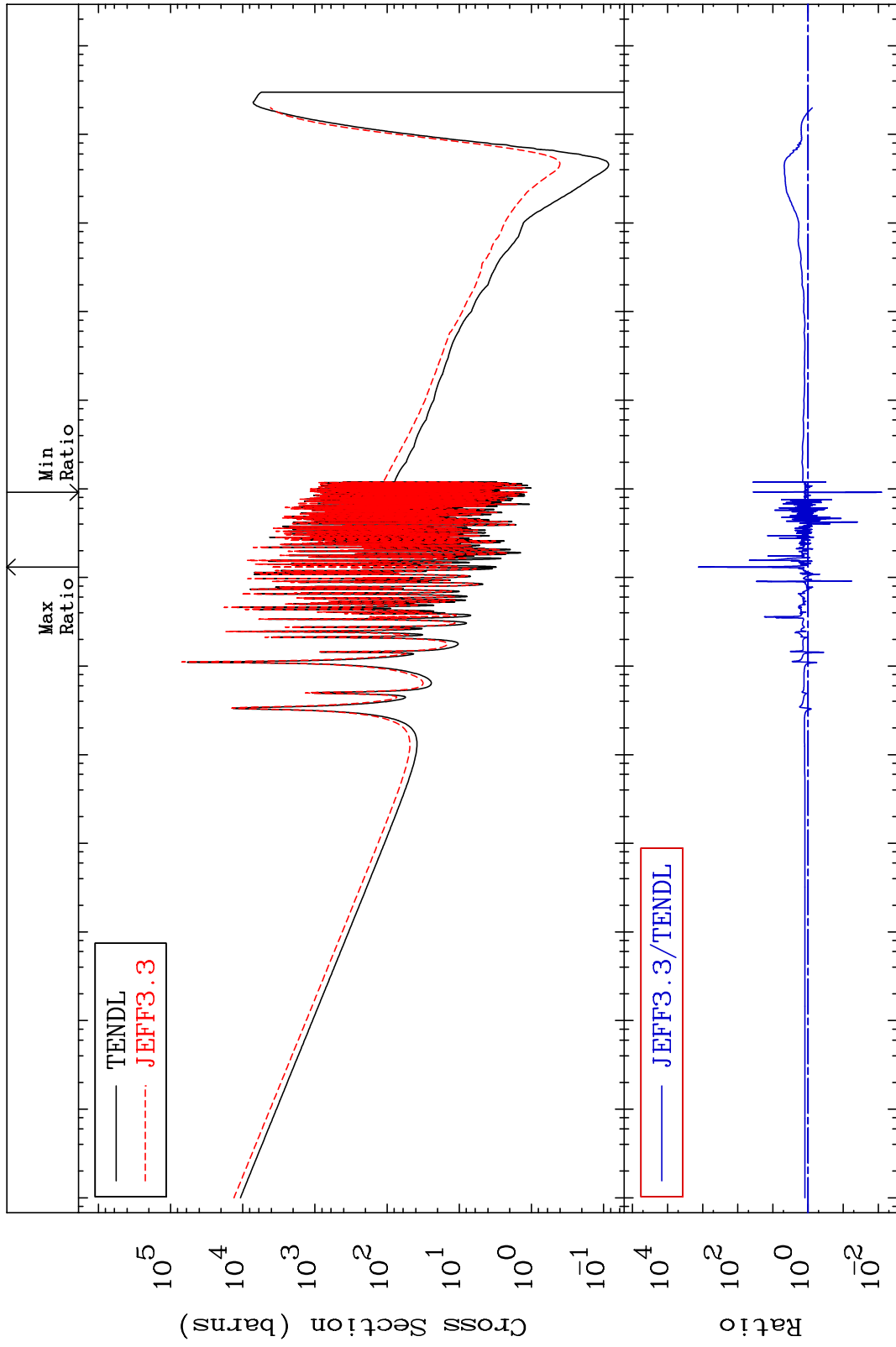
MAT 6525

Dpa disappearance (mt102 -120)

65-Tb-159

-99.19 To 9999. %

Cross Section



59

Incident Energy (eV)

65-Tb-159