

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

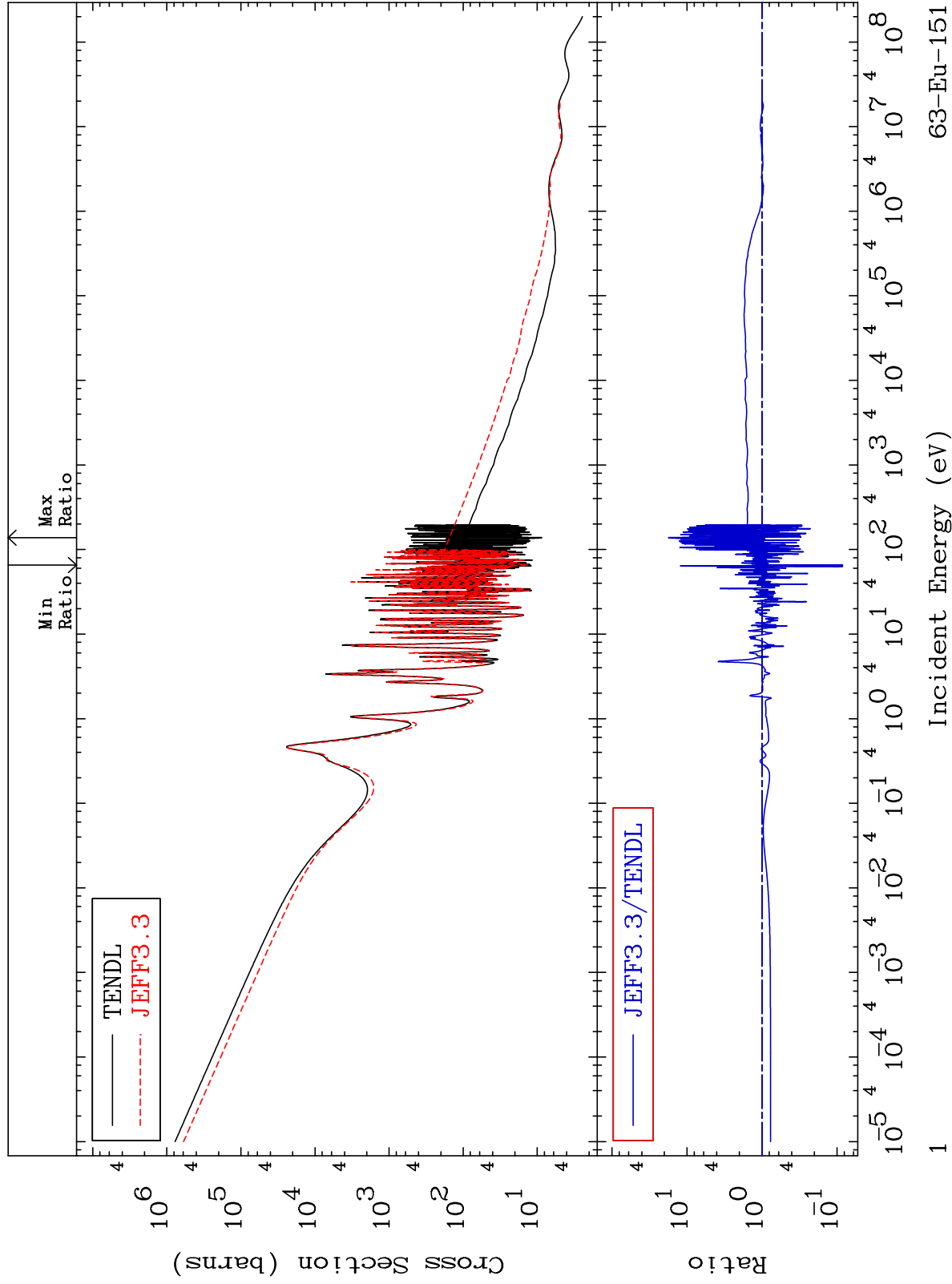
Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6325

Total Cross Section  
63-Eu-151  
-91.66 To 1687. %

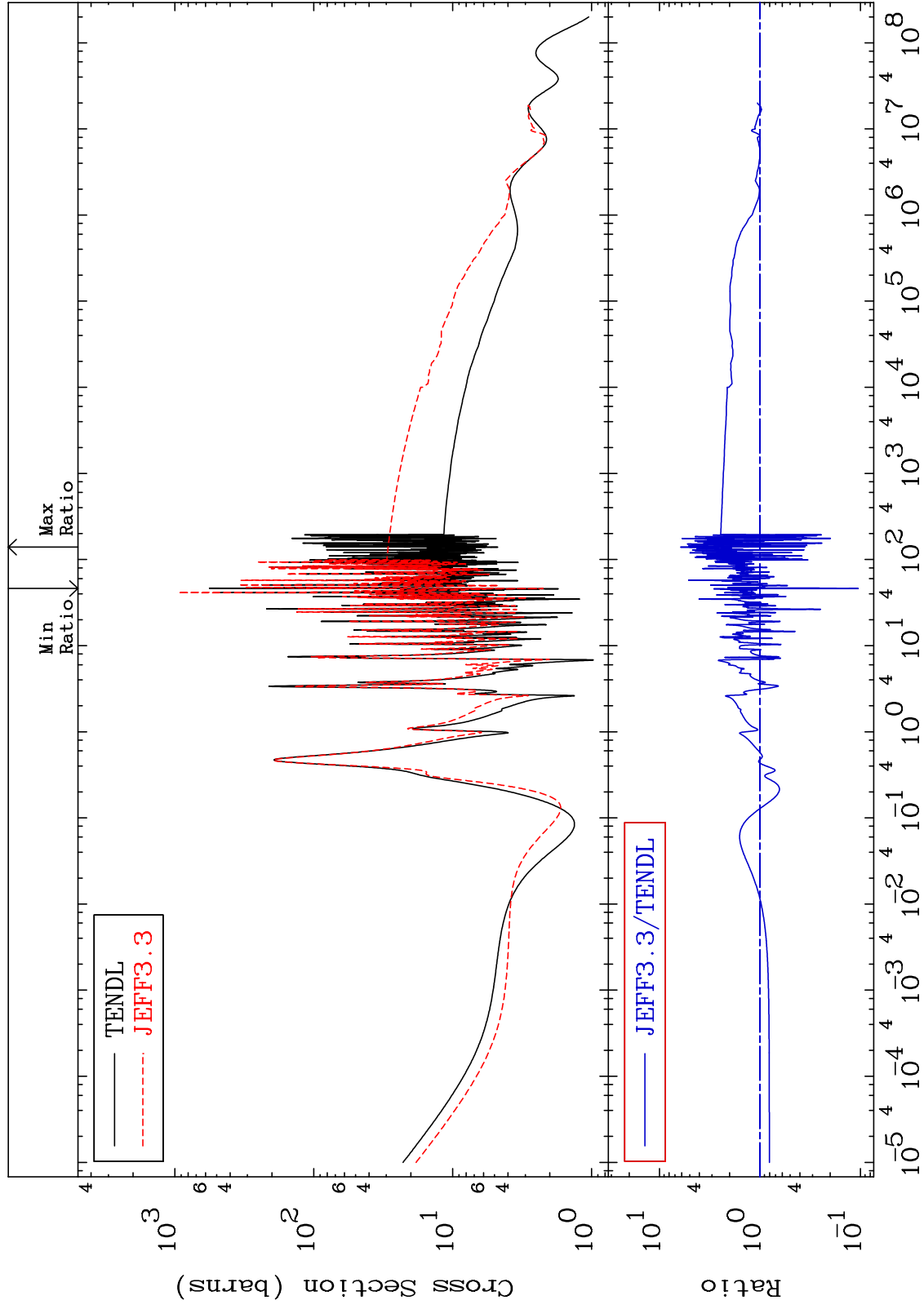


63-Eu-151

MAT 6325

Elastic  
Cross Section

63-Eu-151  
-89.55 To 517.1 %



Incident Energy (eV)

63-Eu-151

2



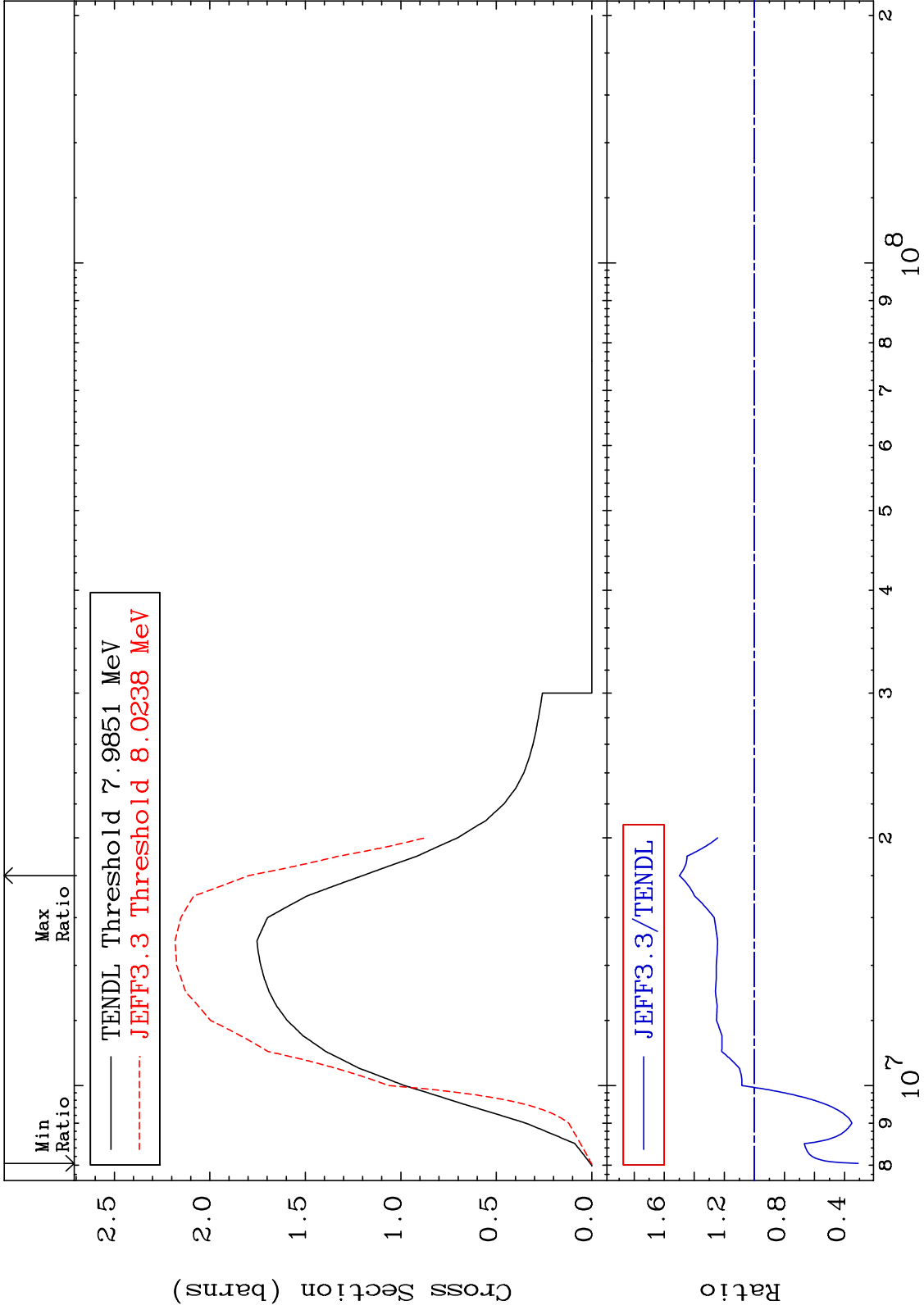
MAT 6325

(n,2n)

63-Eu-151

Cross Section

-69.10 To 49.91 %

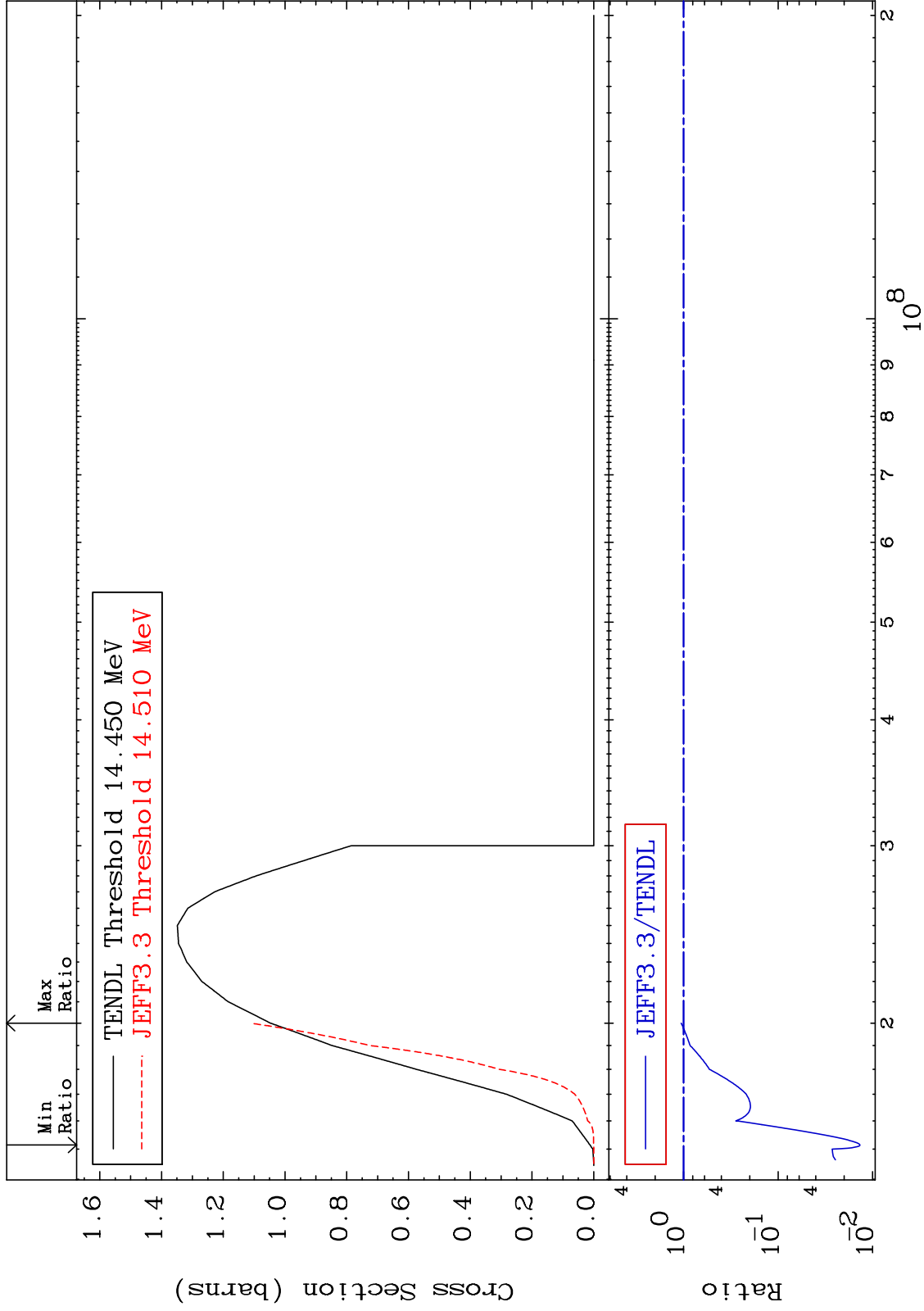


63-Eu-151

Incident Energy (eV)

Cross Section

-98.64 To 6.116 %



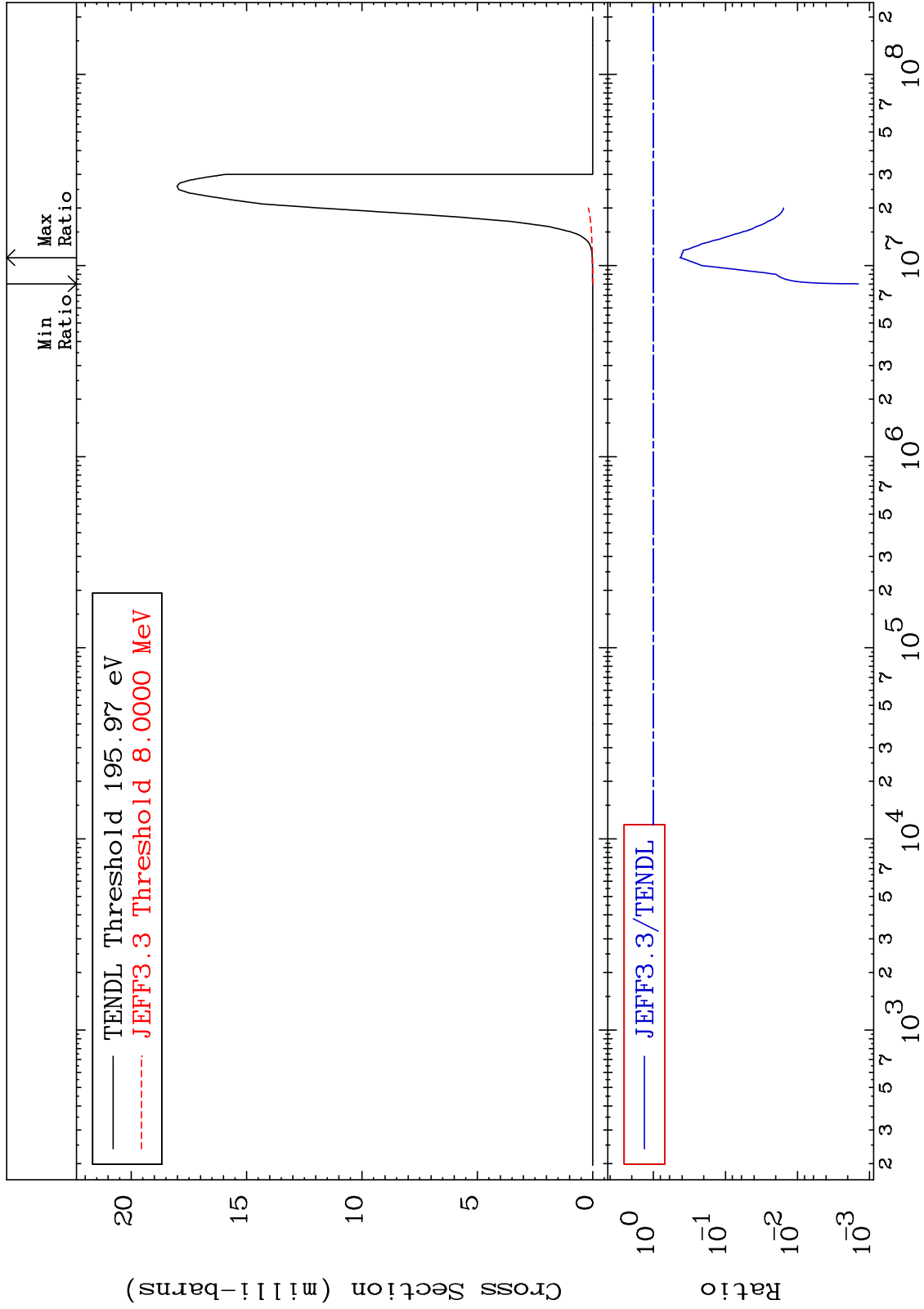
MAT 6325

(n, n')  $\alpha$

Cross Section

63-Eu-151

-99.86 To -57.27%



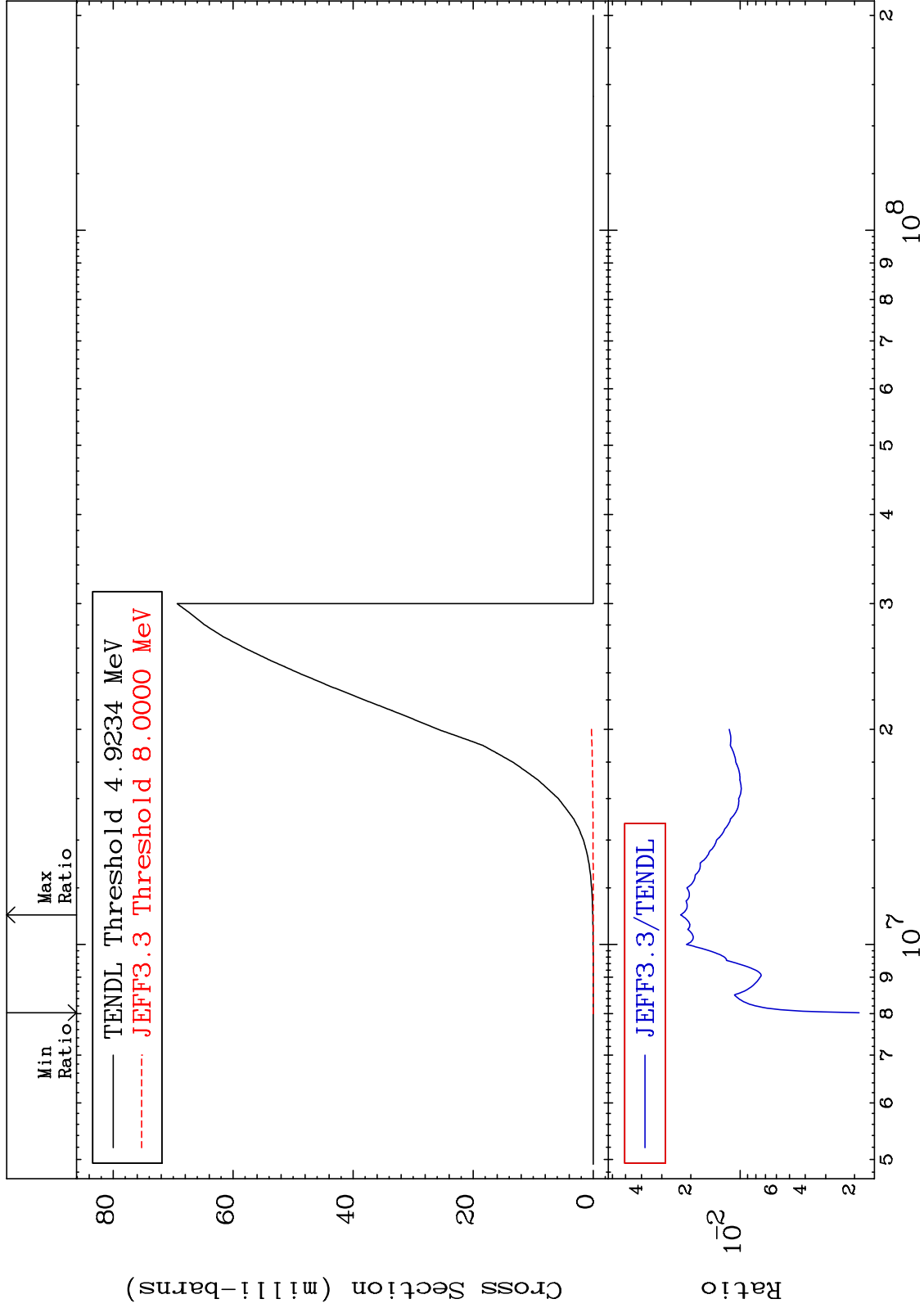
MAT 6325

(n,n') p

63-Eu-151

Cross Section

-99.81 To -97.69%

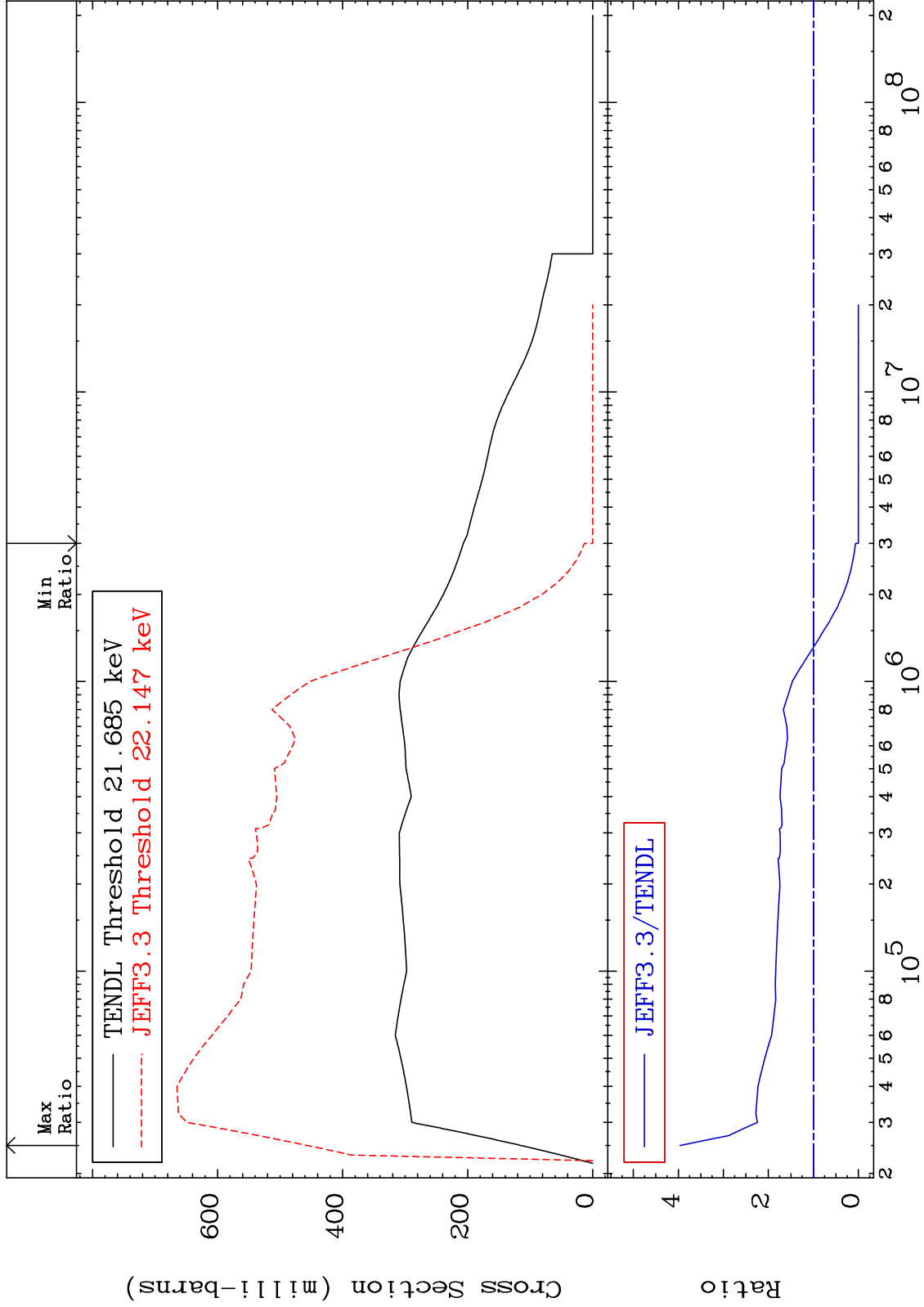




MAT 6325

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

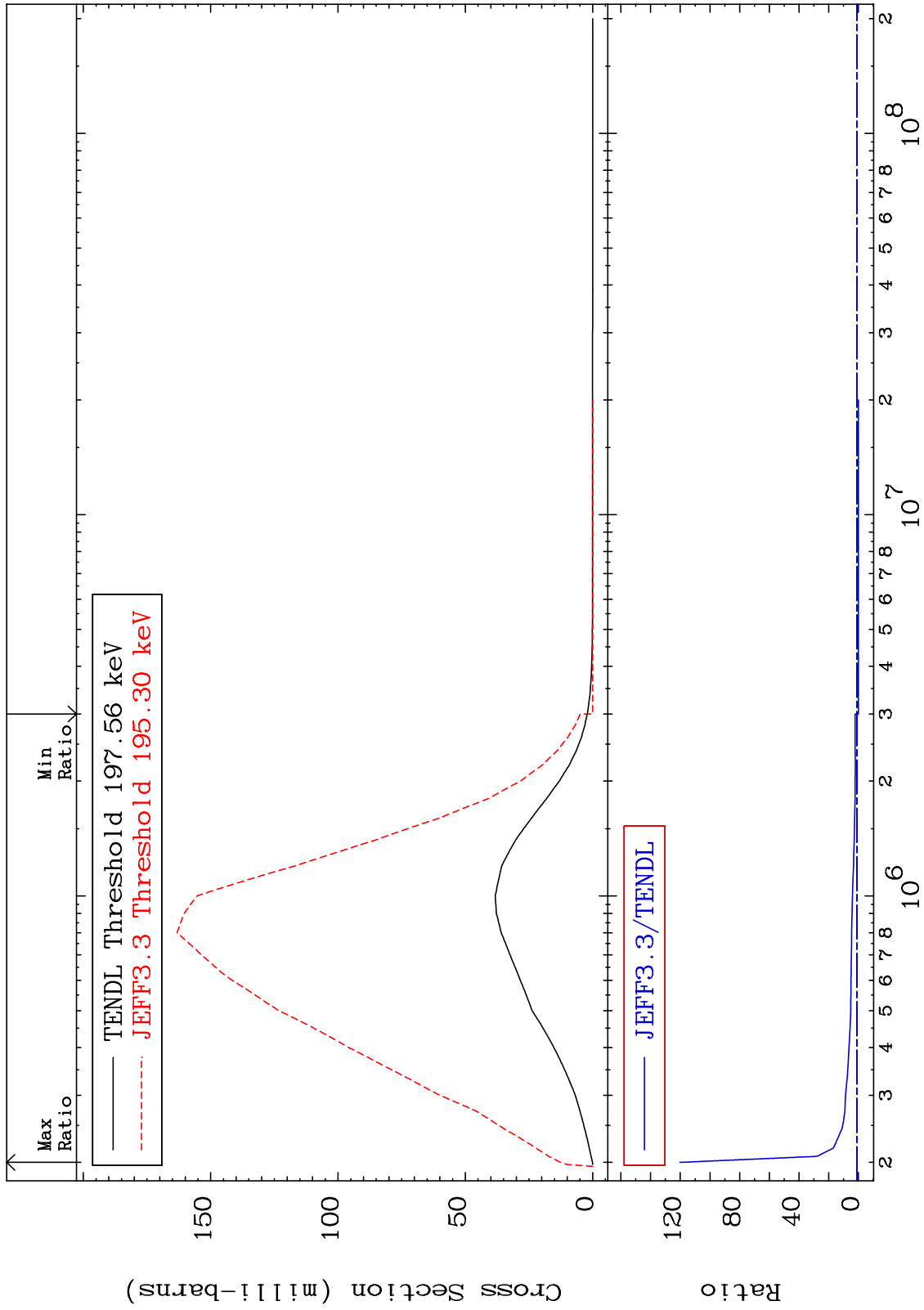
63-Eu-151  
-100.0 To 296.2 %



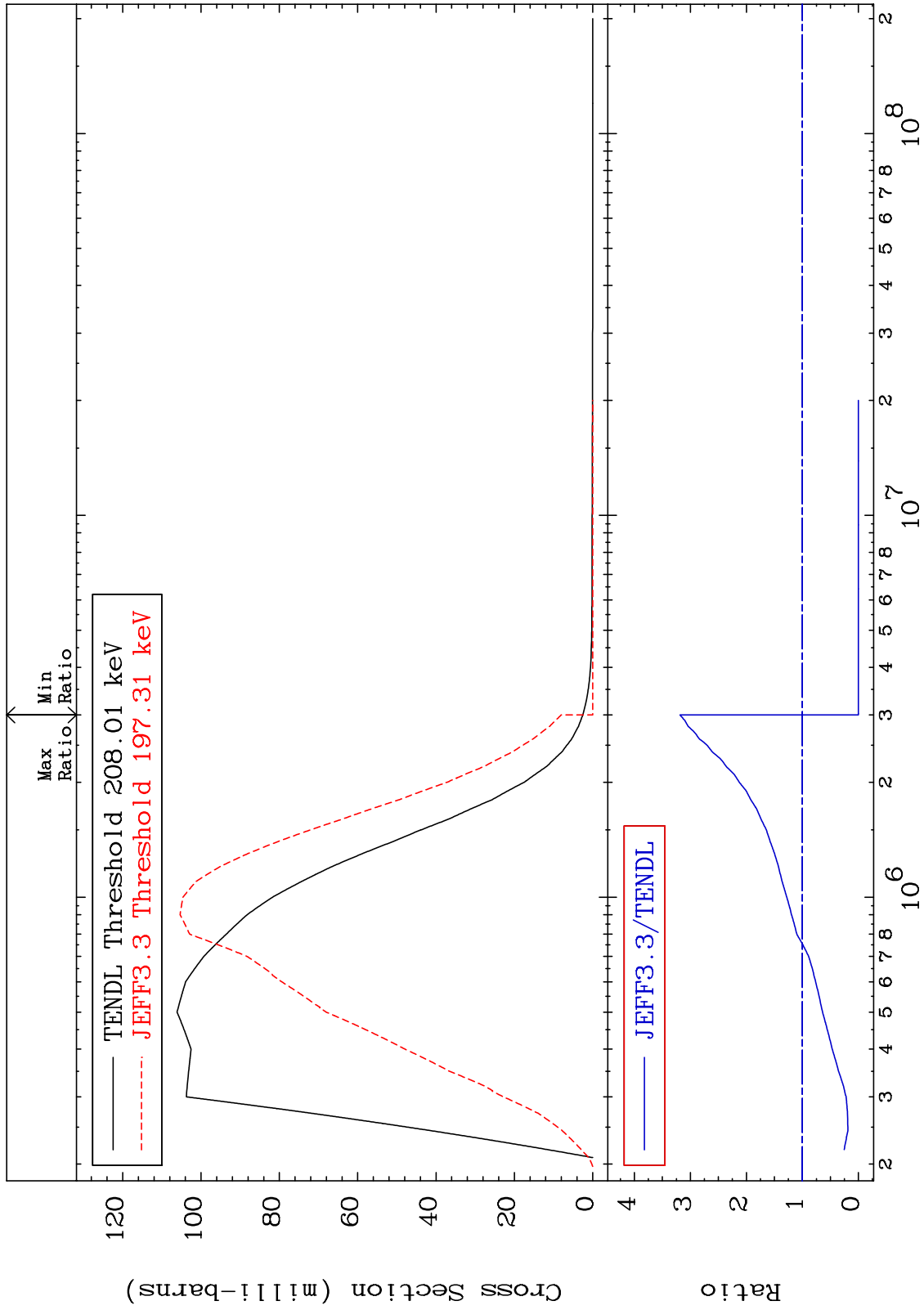
8

63-Eu-151

MAT 6325      MT= 52 (n,n') Level      63-Eu-151  
Cross Section      -100.0 To 9999. %



MAT 6325      MT= 53 (n,n') Level      63-Eu-151  
 Cross Section      -100.0 To 218.5 %

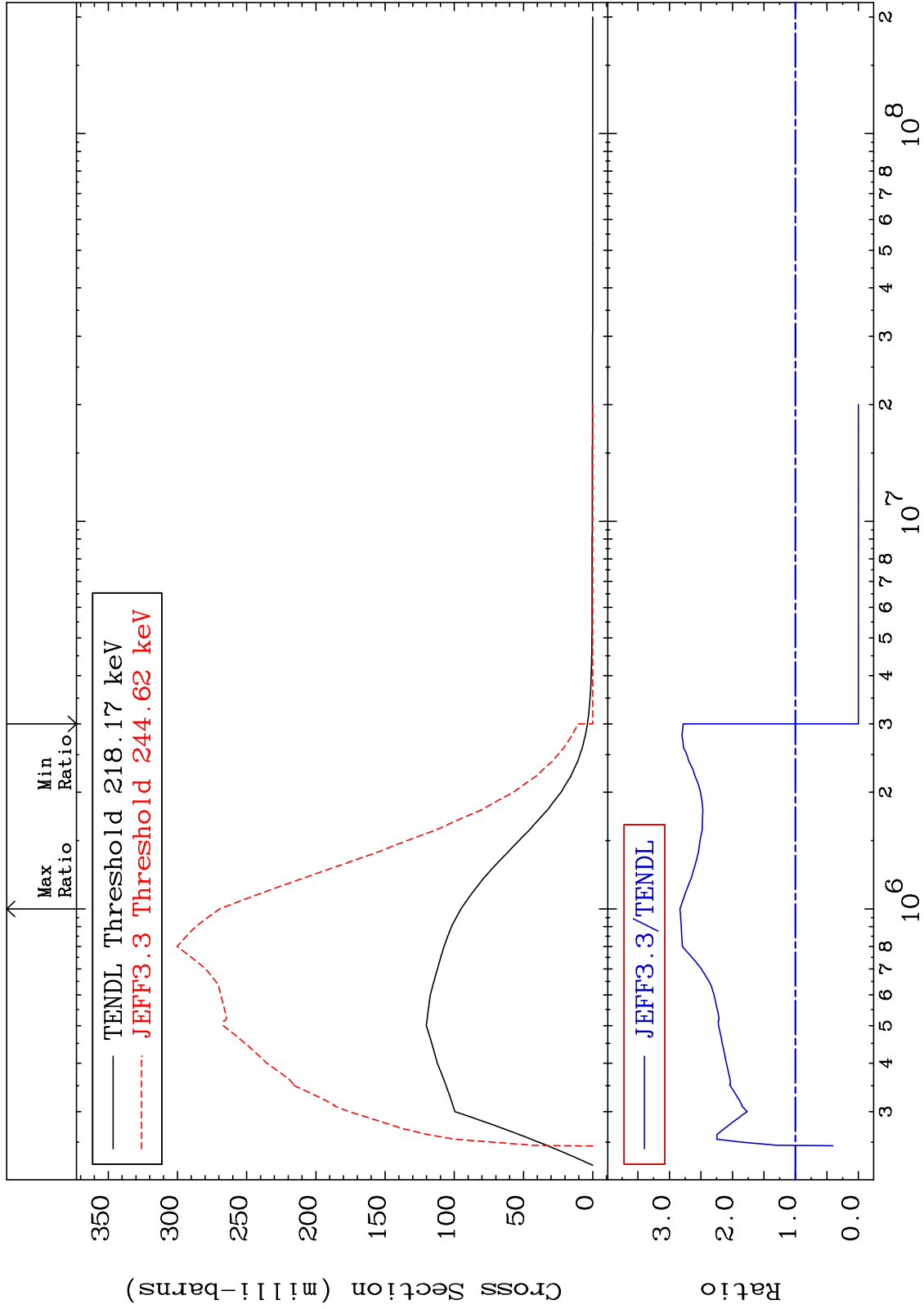


10      Incident Energy (eV)      63-Eu-151

MAT 6325

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

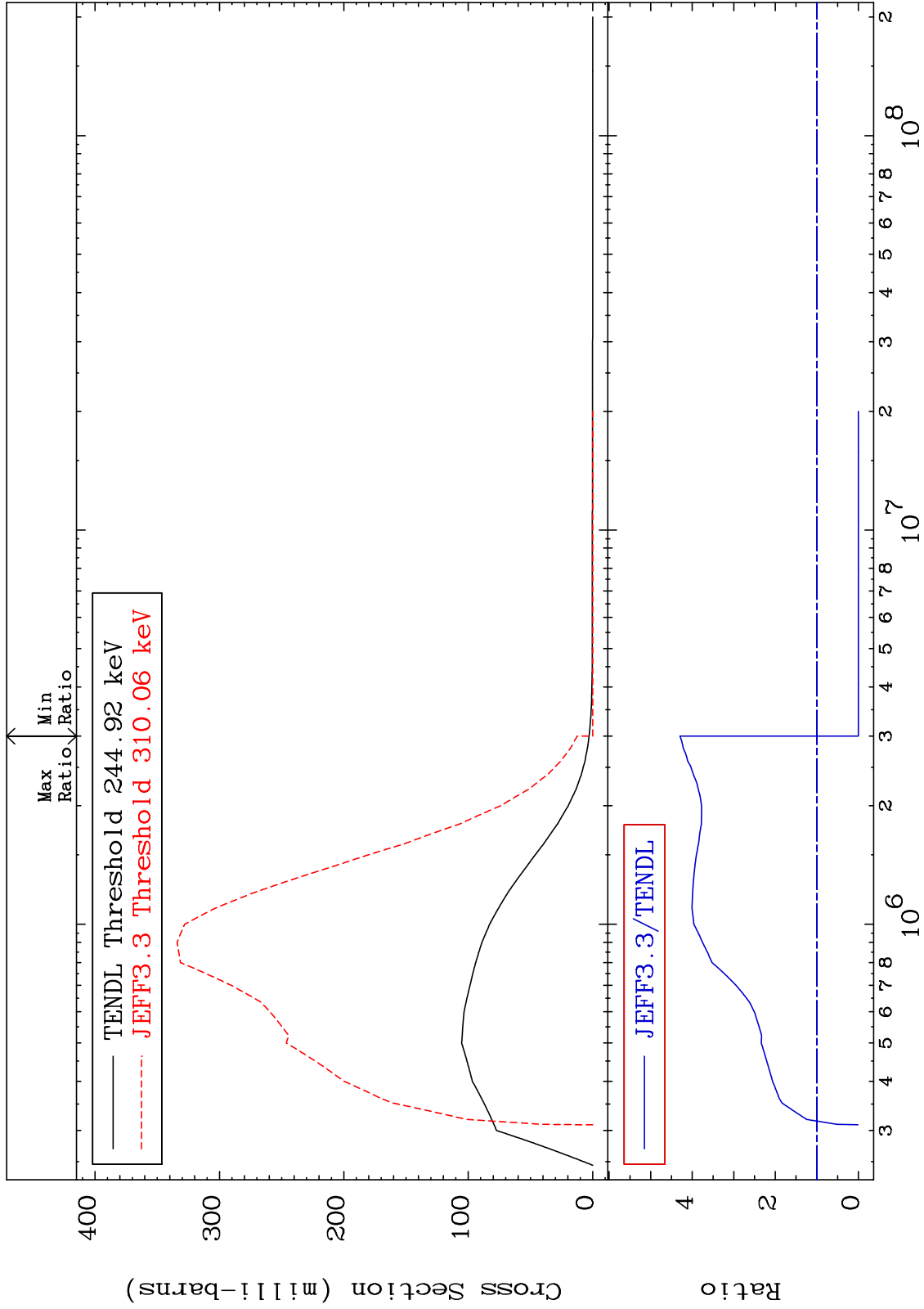
63-Eu-151  
-100.0 To 183.2 %



MAT 6325

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

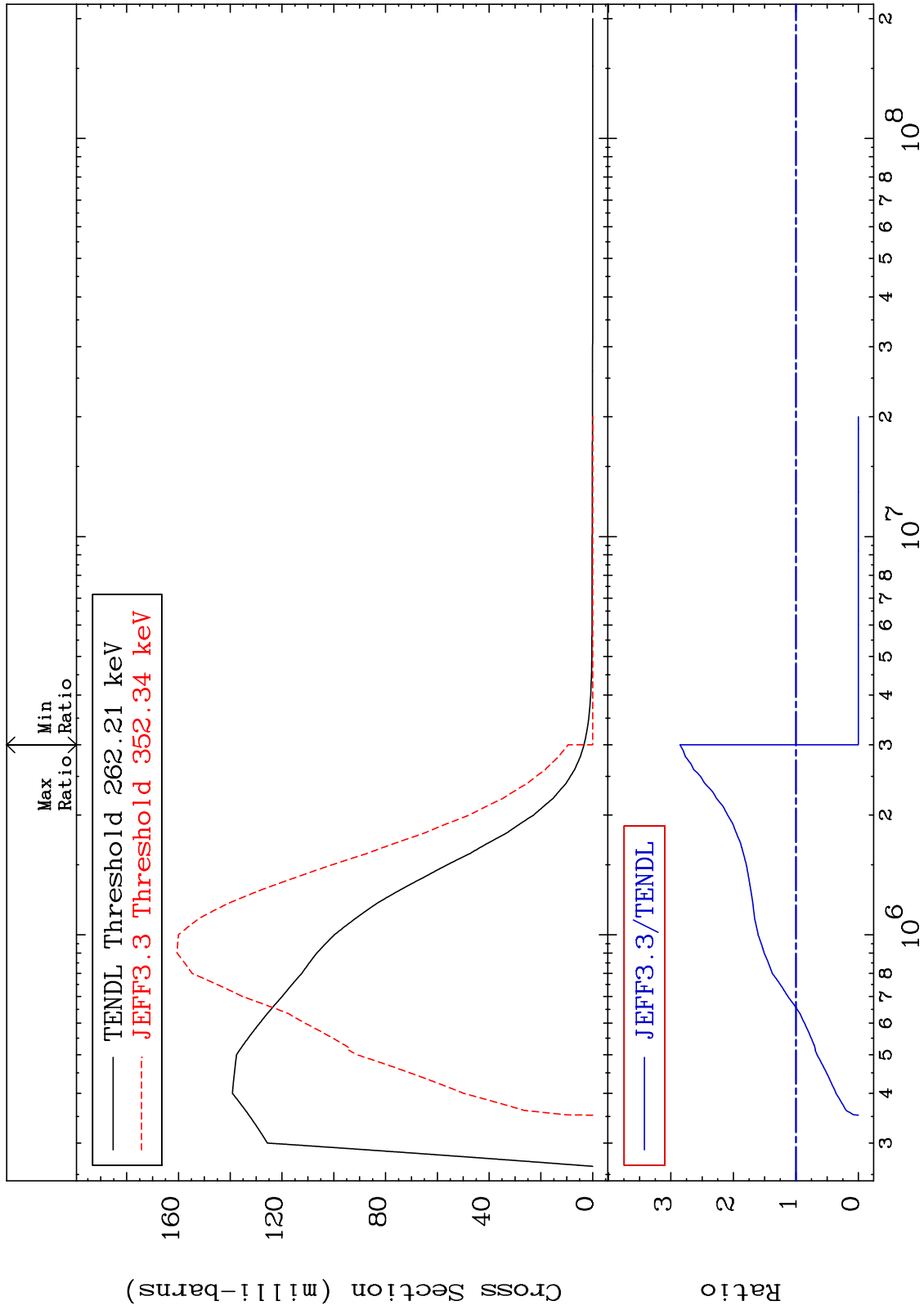
63-Eu-151  
-100.0 To 329.4 %



12

63-Eu-151

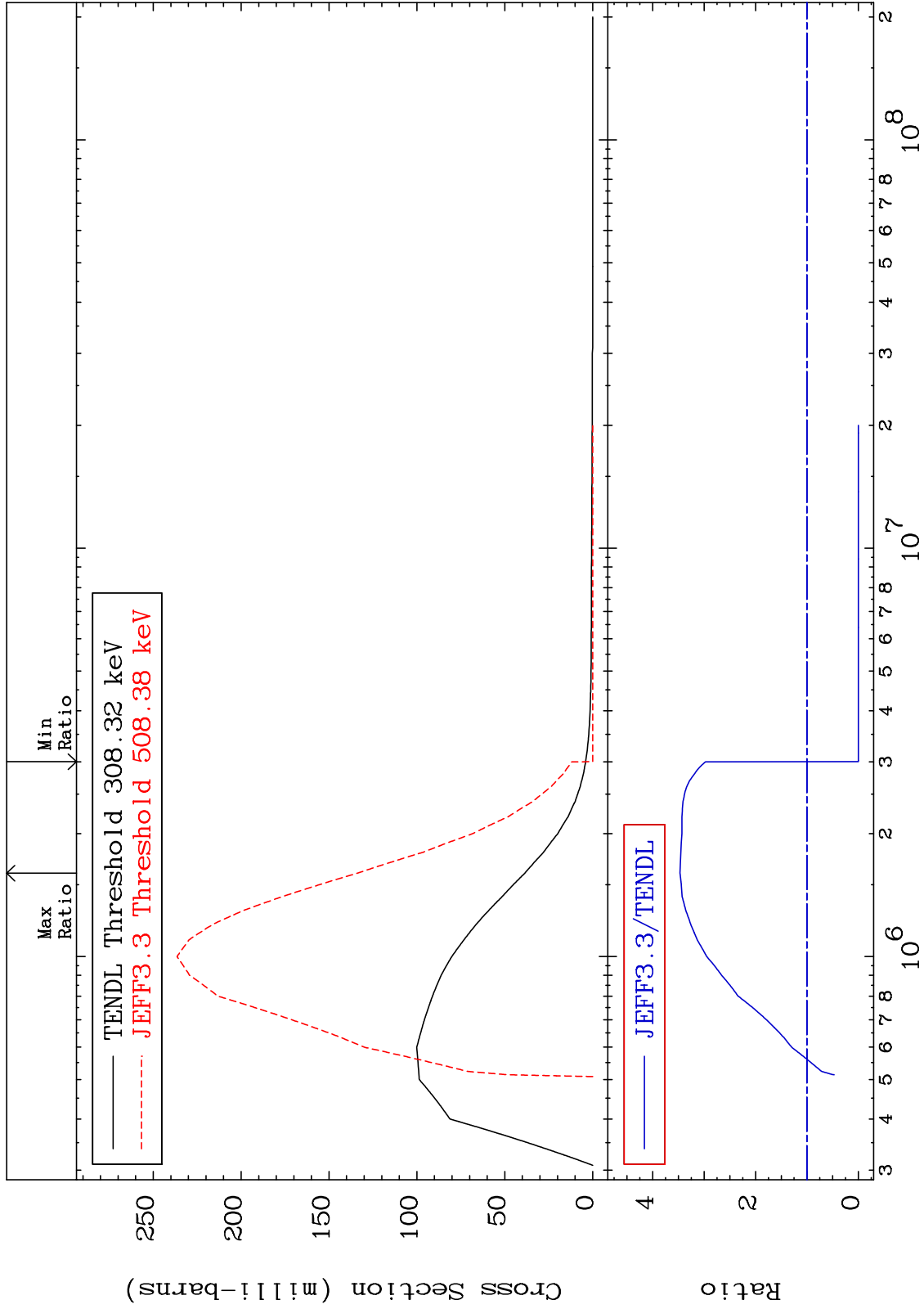
MAT 6325      MT= 56 (n,n') Level      63-Eu-151  
 Cross Section      -100.0 To 185.3 %



MAT 6325

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

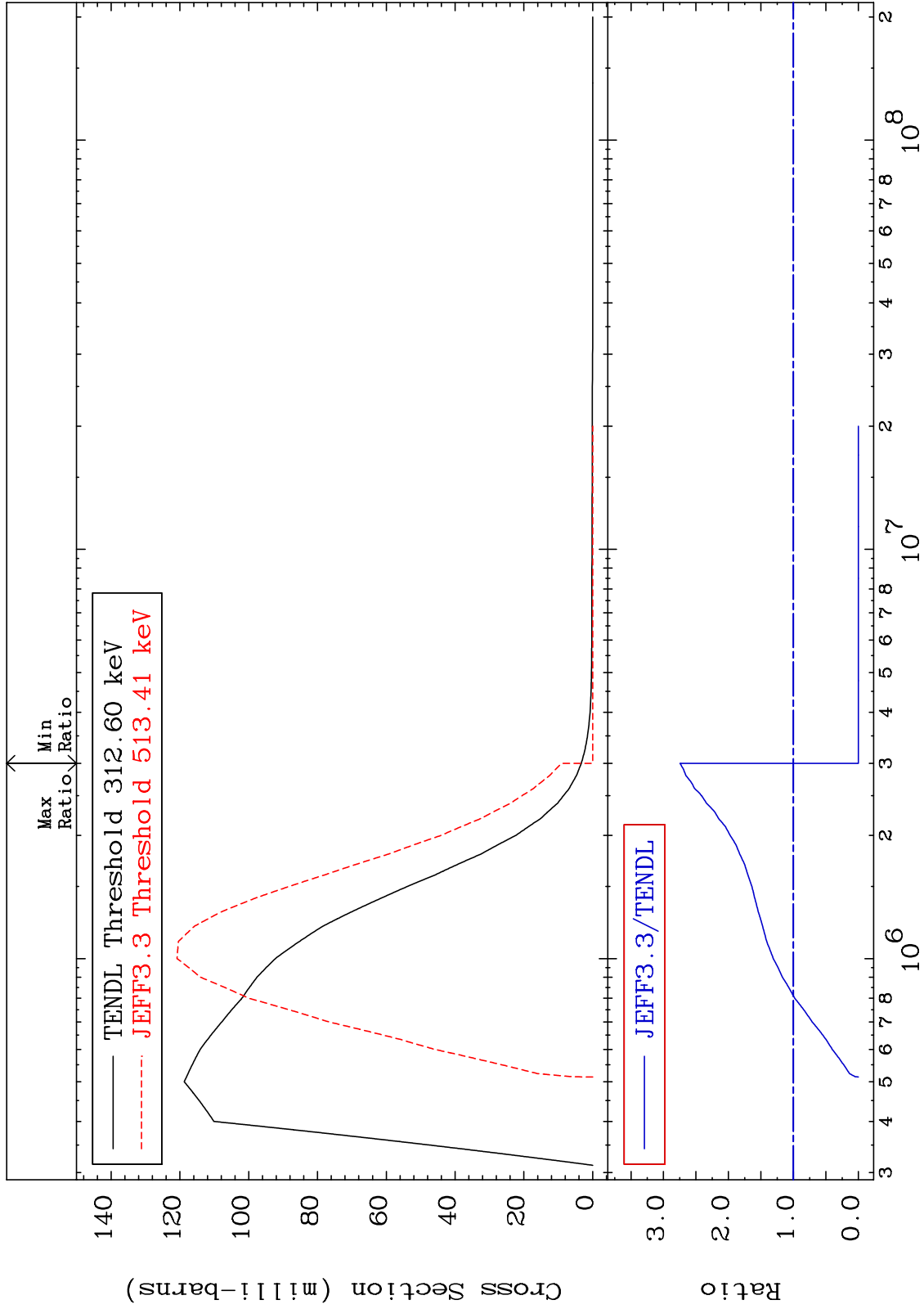
63-Eu-151  
-100.0 To 246.9 %



MAT 6325

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

63-Eu-151  
-100.0 To 174.5 %



15

Incident Energy (eV)

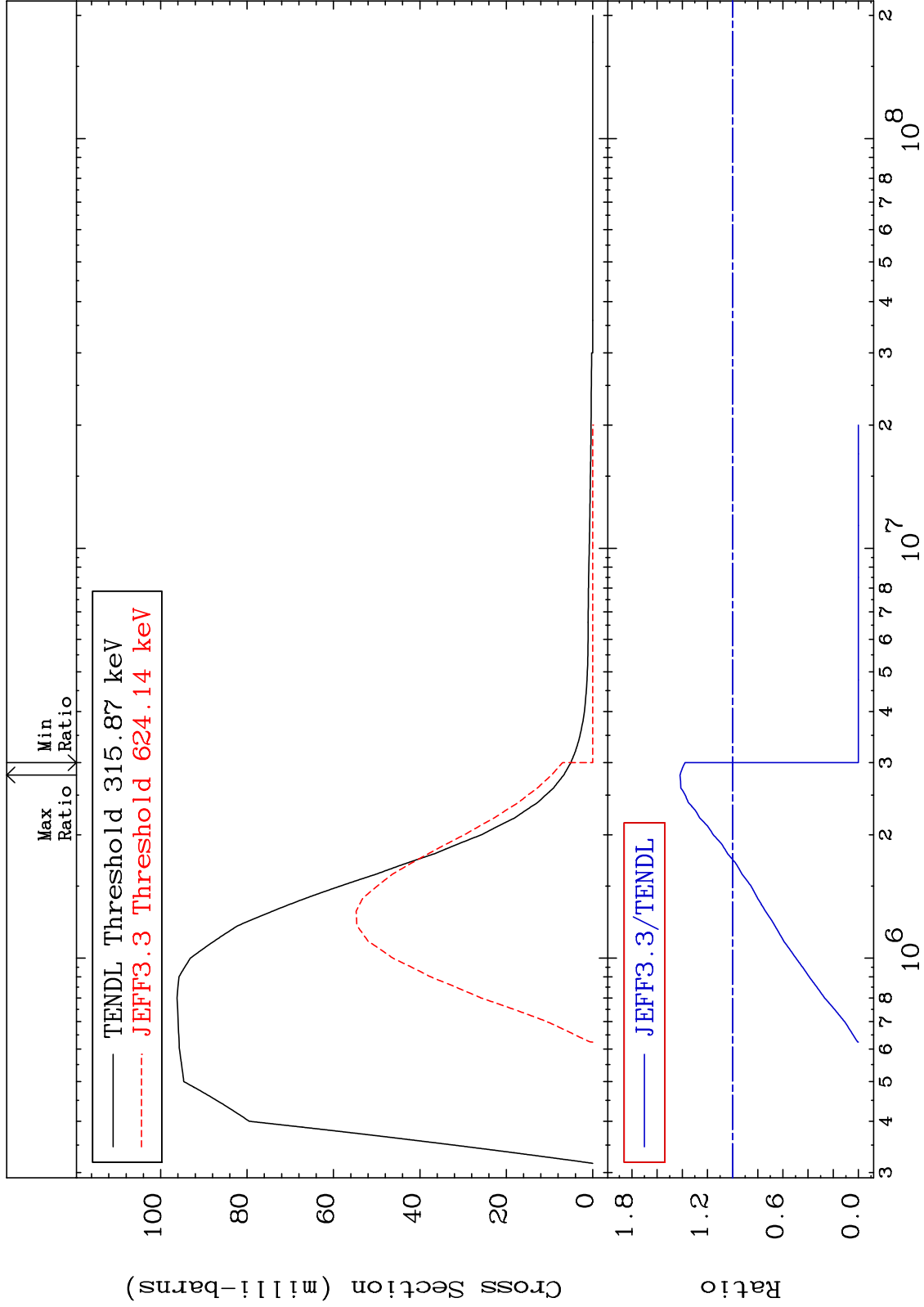
63-Eu-151



MAT 6325

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

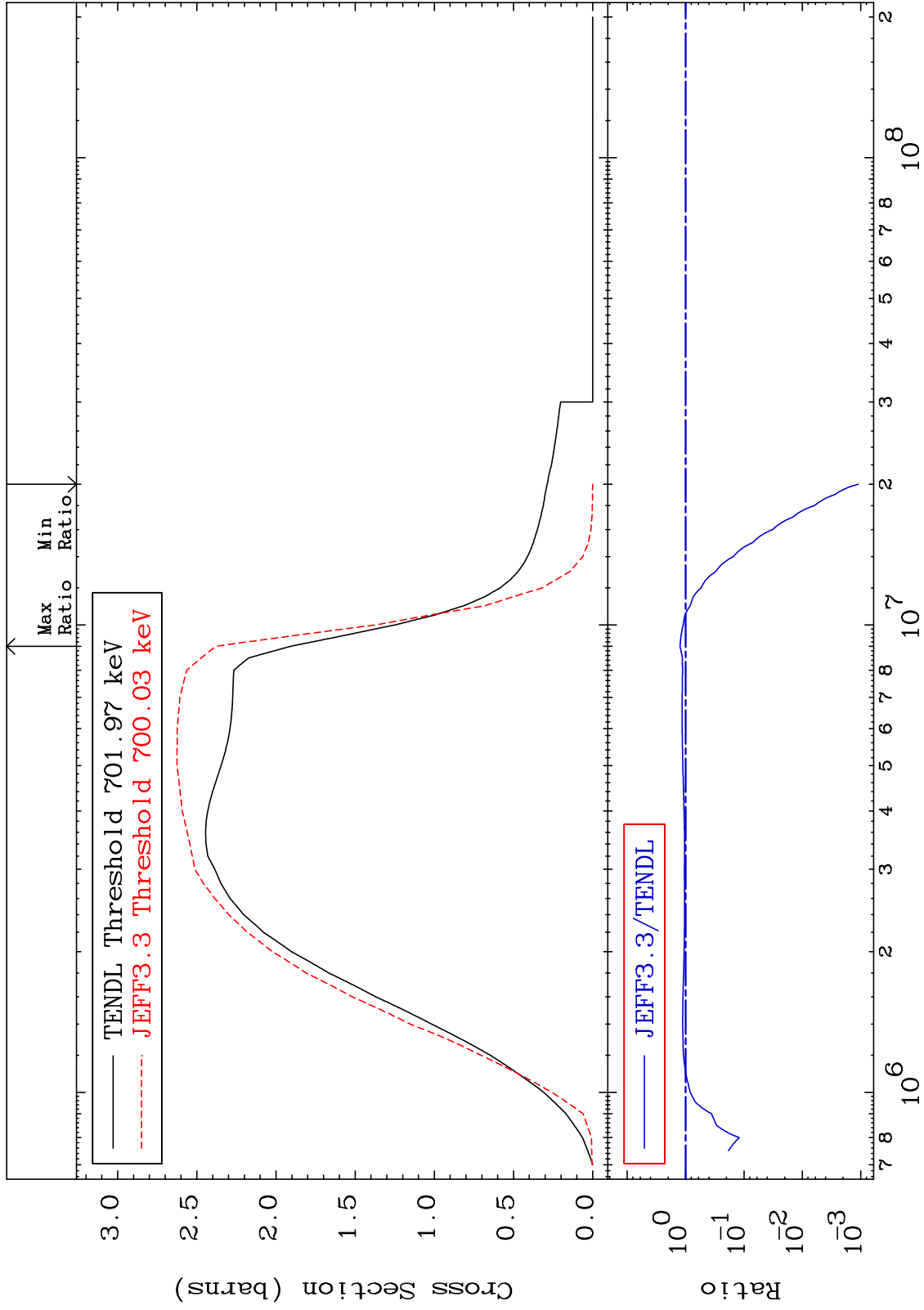
63-Eu-151  
-100.0 To 41.77 %



MAT 6325

(n, n') Continuum  
Cross Section

63-Eu-151  
-99.89 To 24.80 %



17

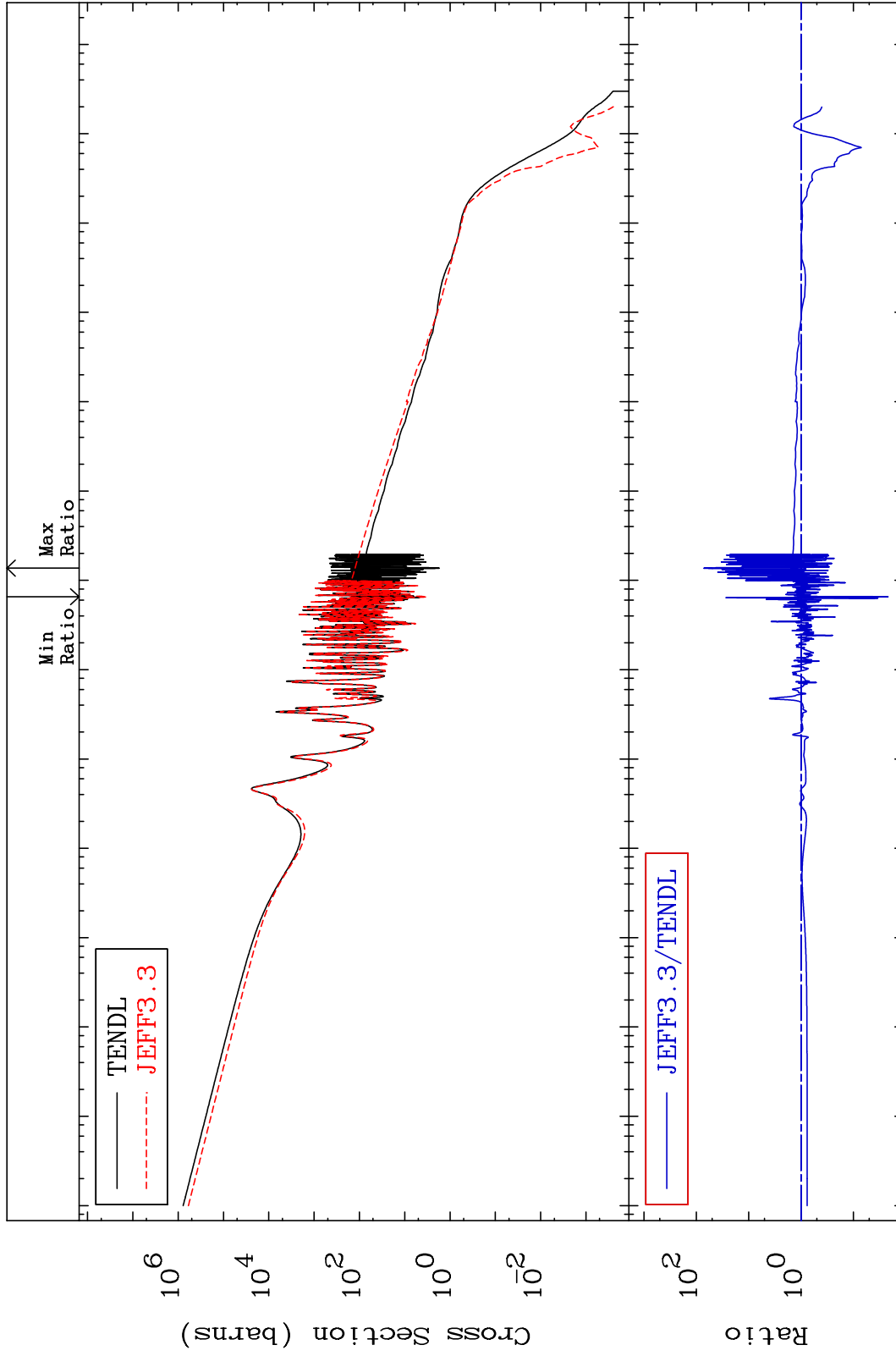
Incident Energy (eV)

63-Eu-151

MAT 6325

(n,  $\gamma$ )  
Cross Section

63-Eu-151  
-97.83 To 7171. %



Incident Energy (eV)

63-Eu-151

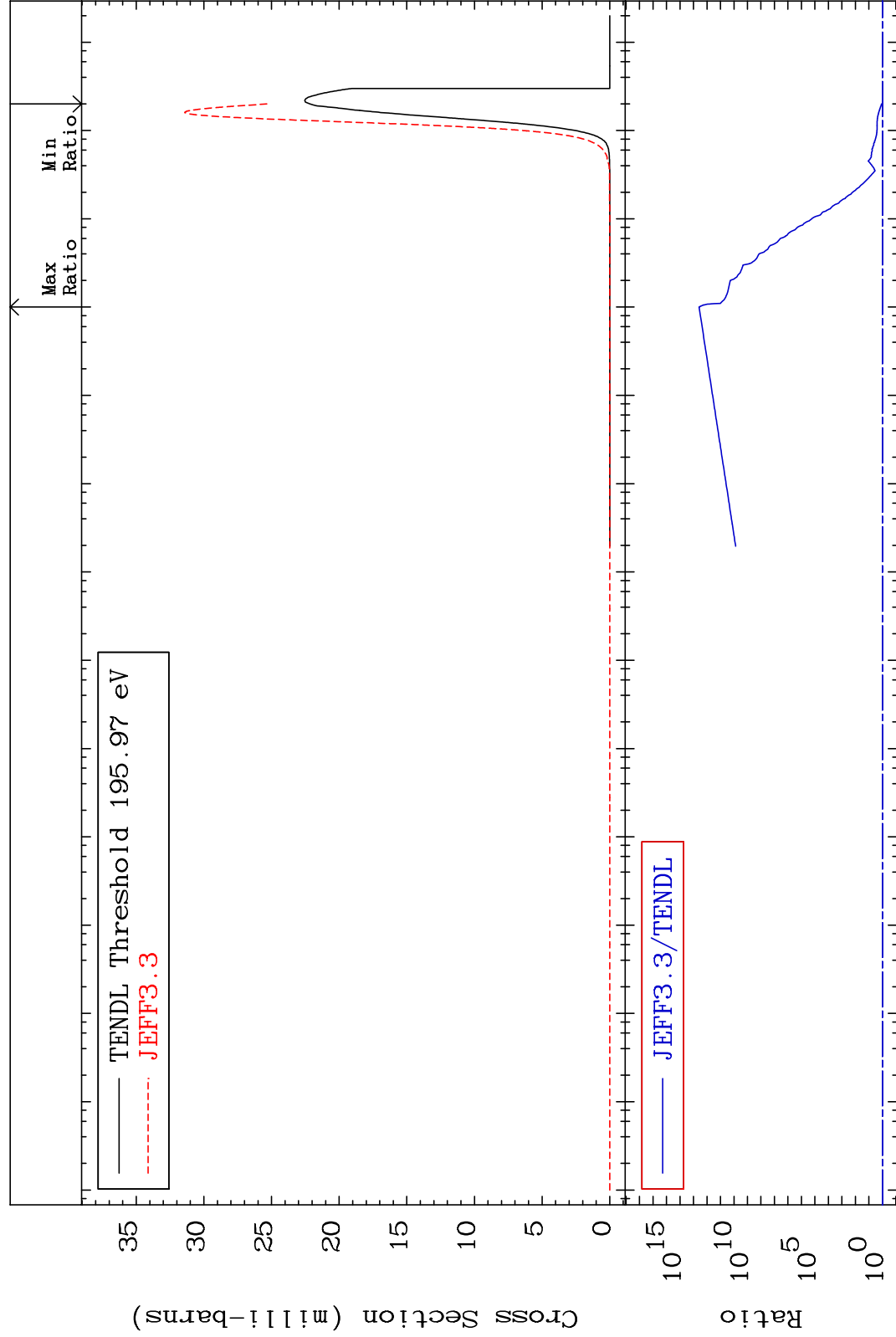
MAT 6325

(n,p)

63-Eu-151

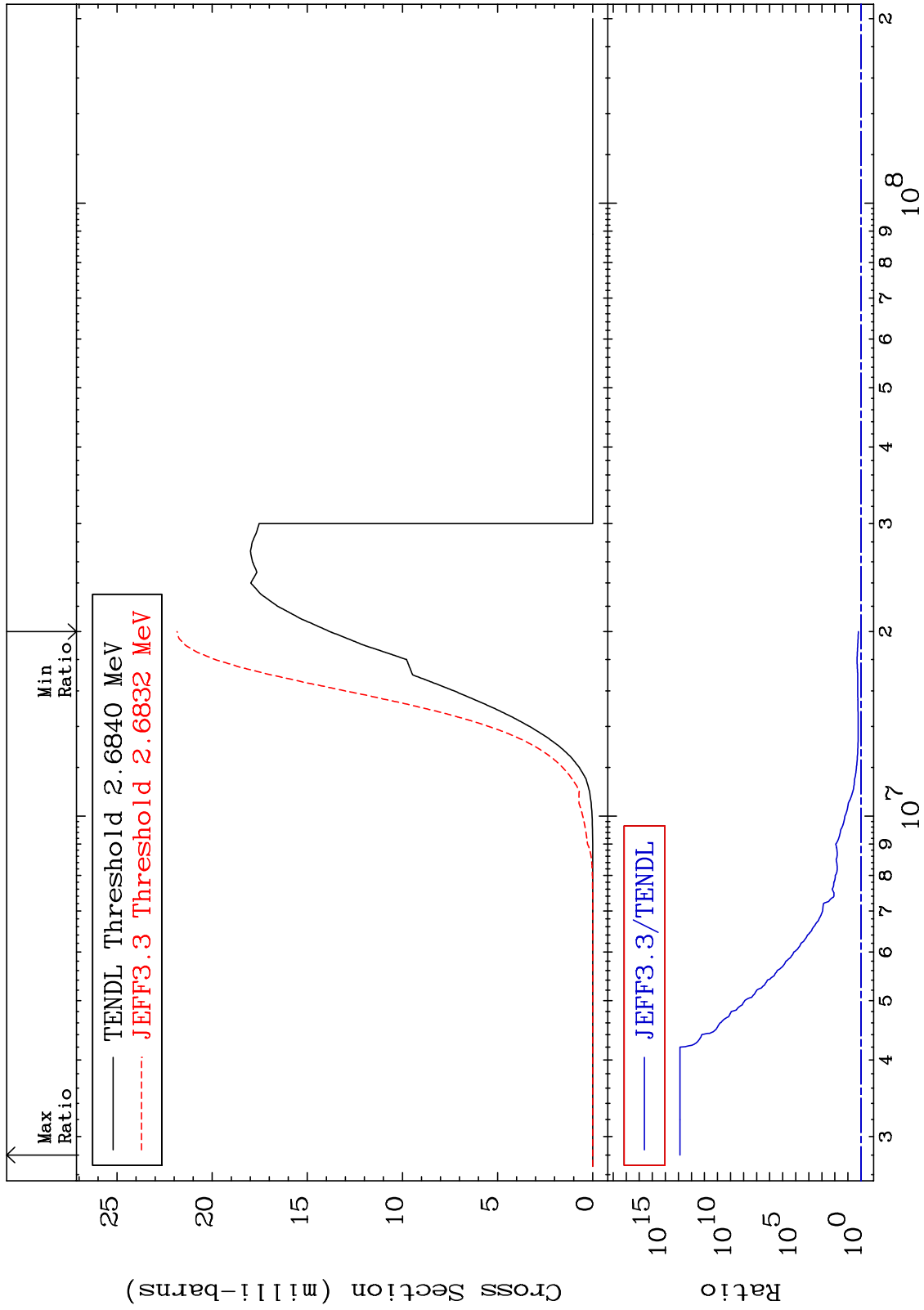
Cross Section

14.06 To 9999. %



Incident Energy (eV)

MAT 6325 (n,d) 63-Eu-151  
Cross Section 58.07 To 9999. %



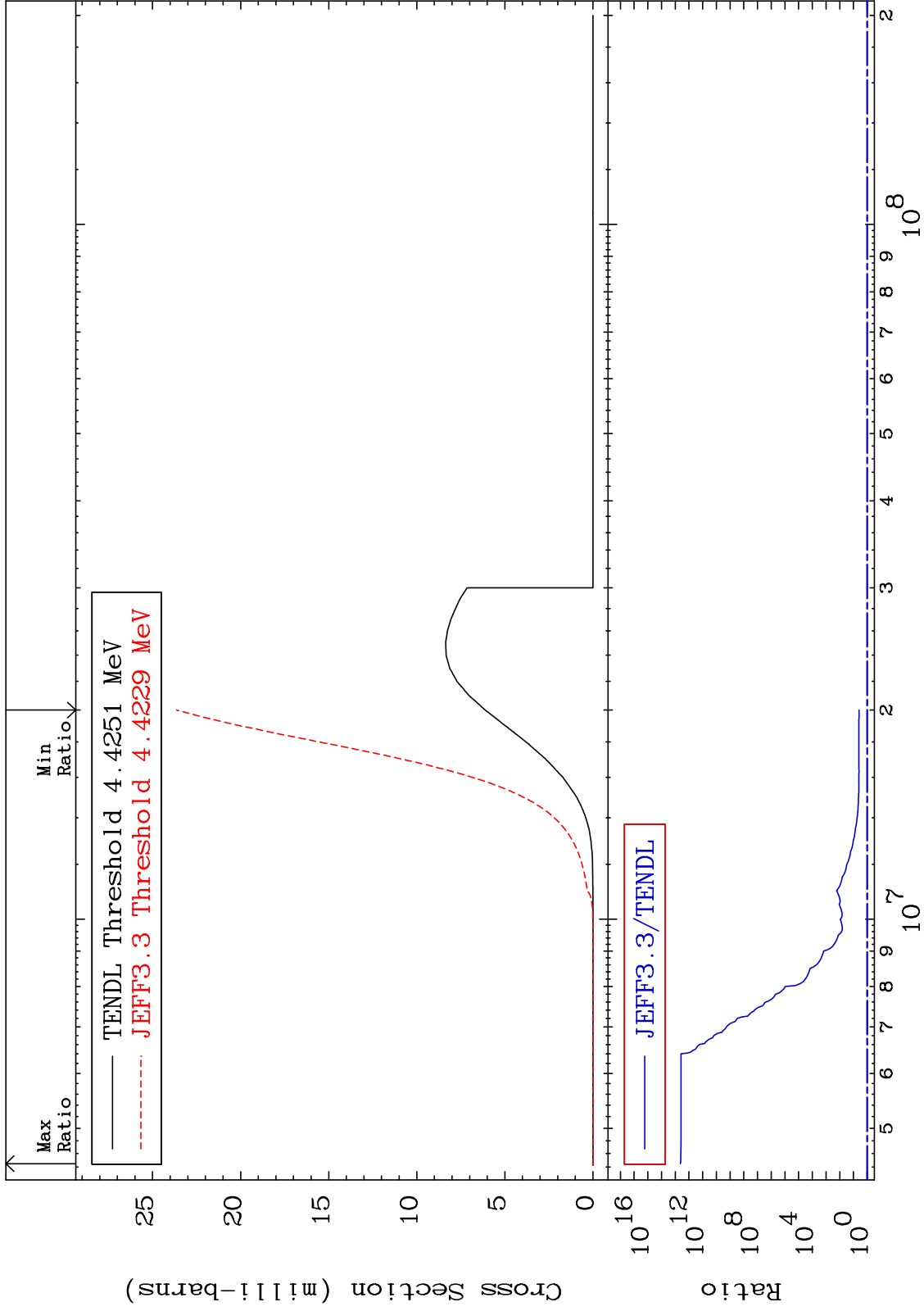
MAT 6325

(n, t)

63-Eu-151

Cross Section

286.5 To 9999. %



63-Eu-151

Incident Energy (eV)

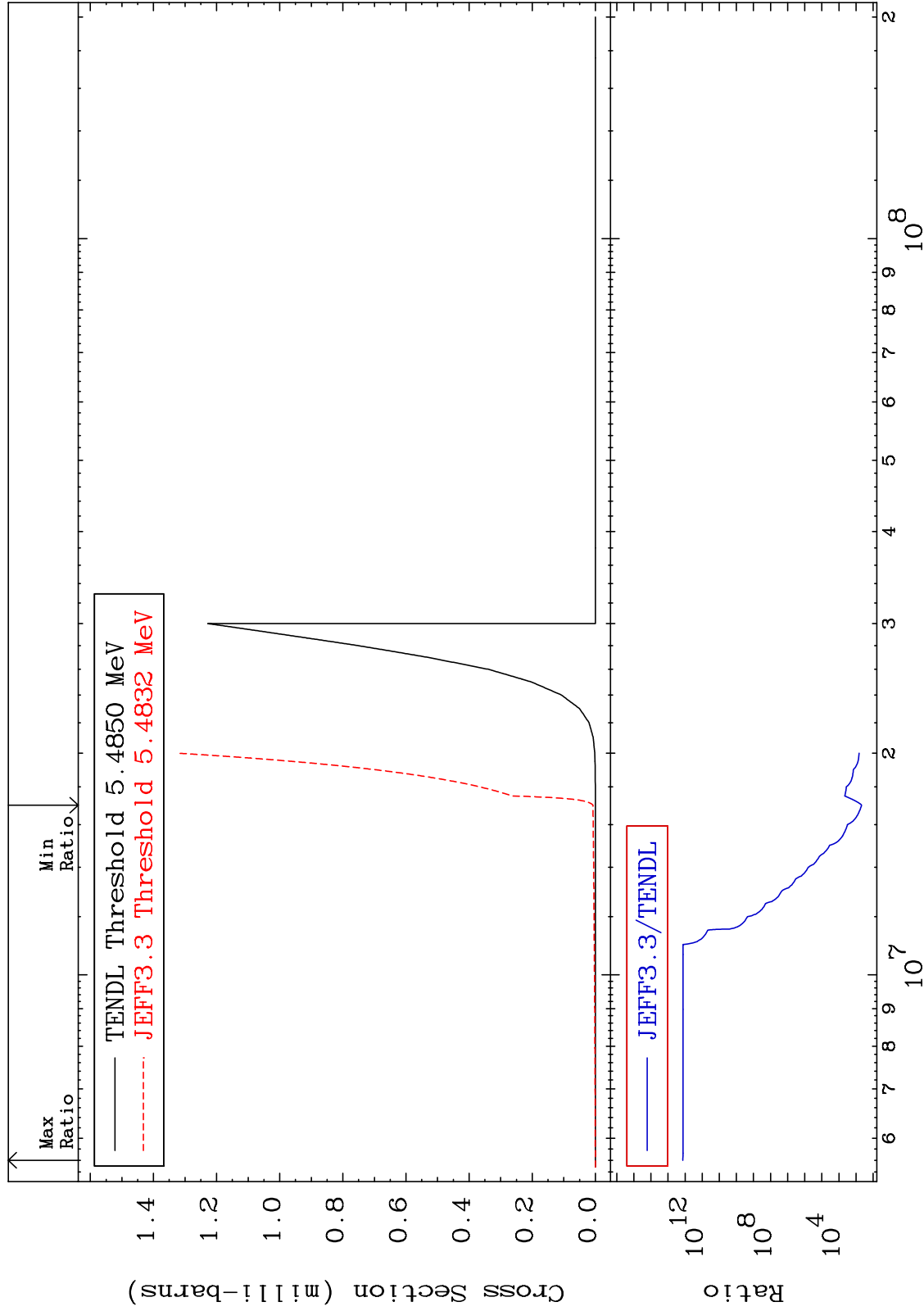
MAT 6325

(n, He-3)

63-Eu-151

Cross Section

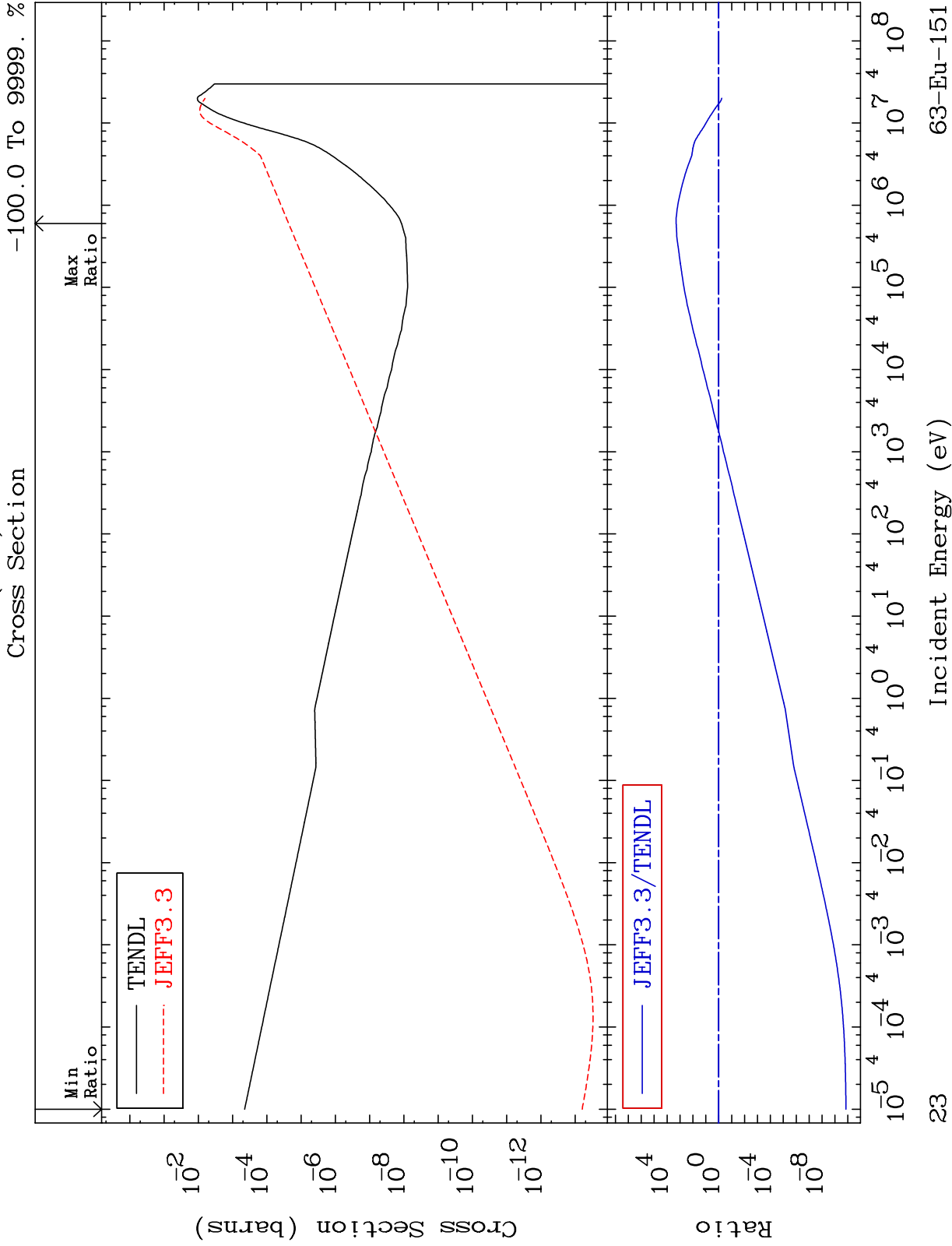
9999. To 9999. %



MAT 6325

(n,  $\alpha$ )

63-Eu-151  
-100.0 To 9999. %





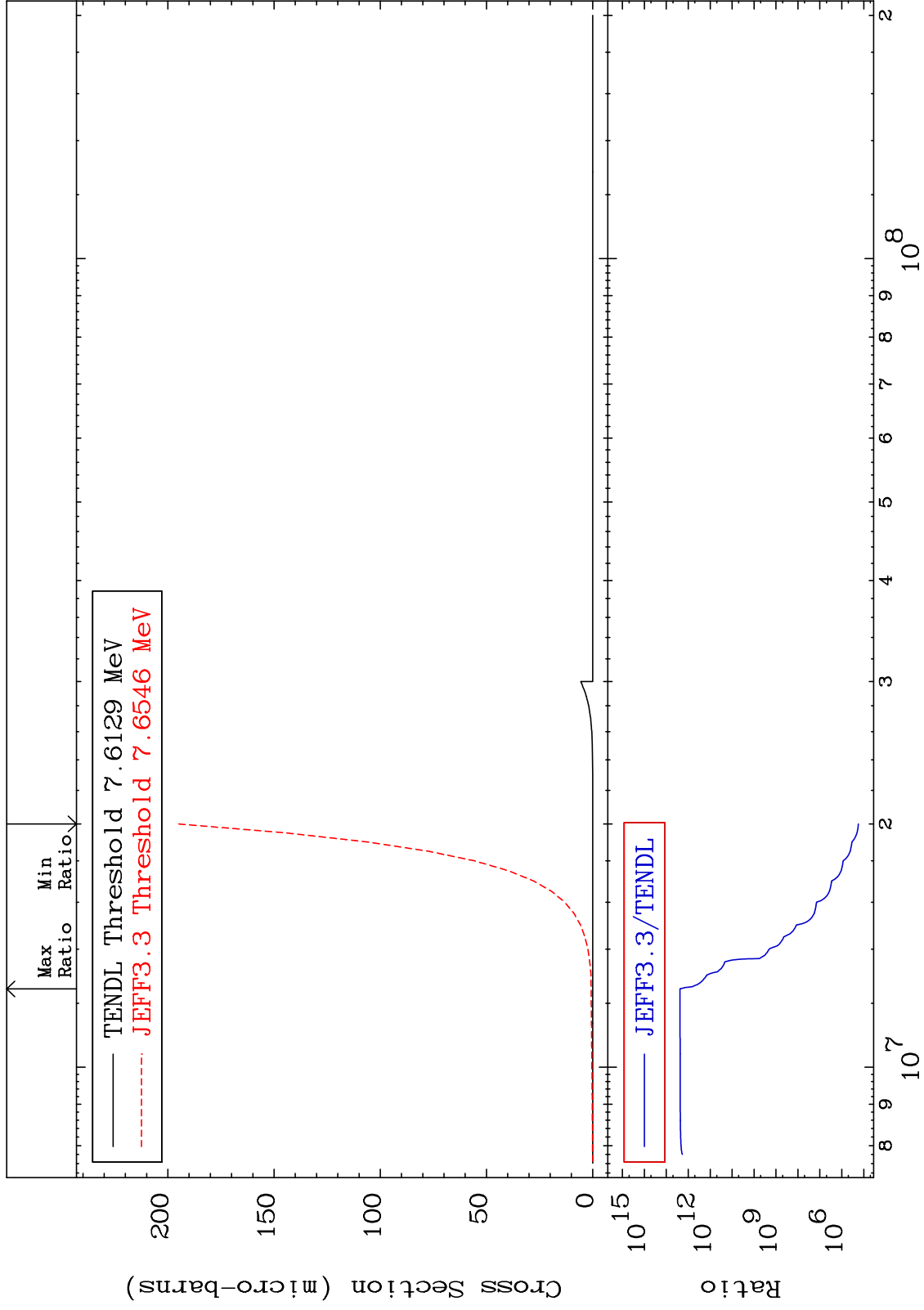
MAT 6325

(n,2p)

63-Eu-151

Cross Section

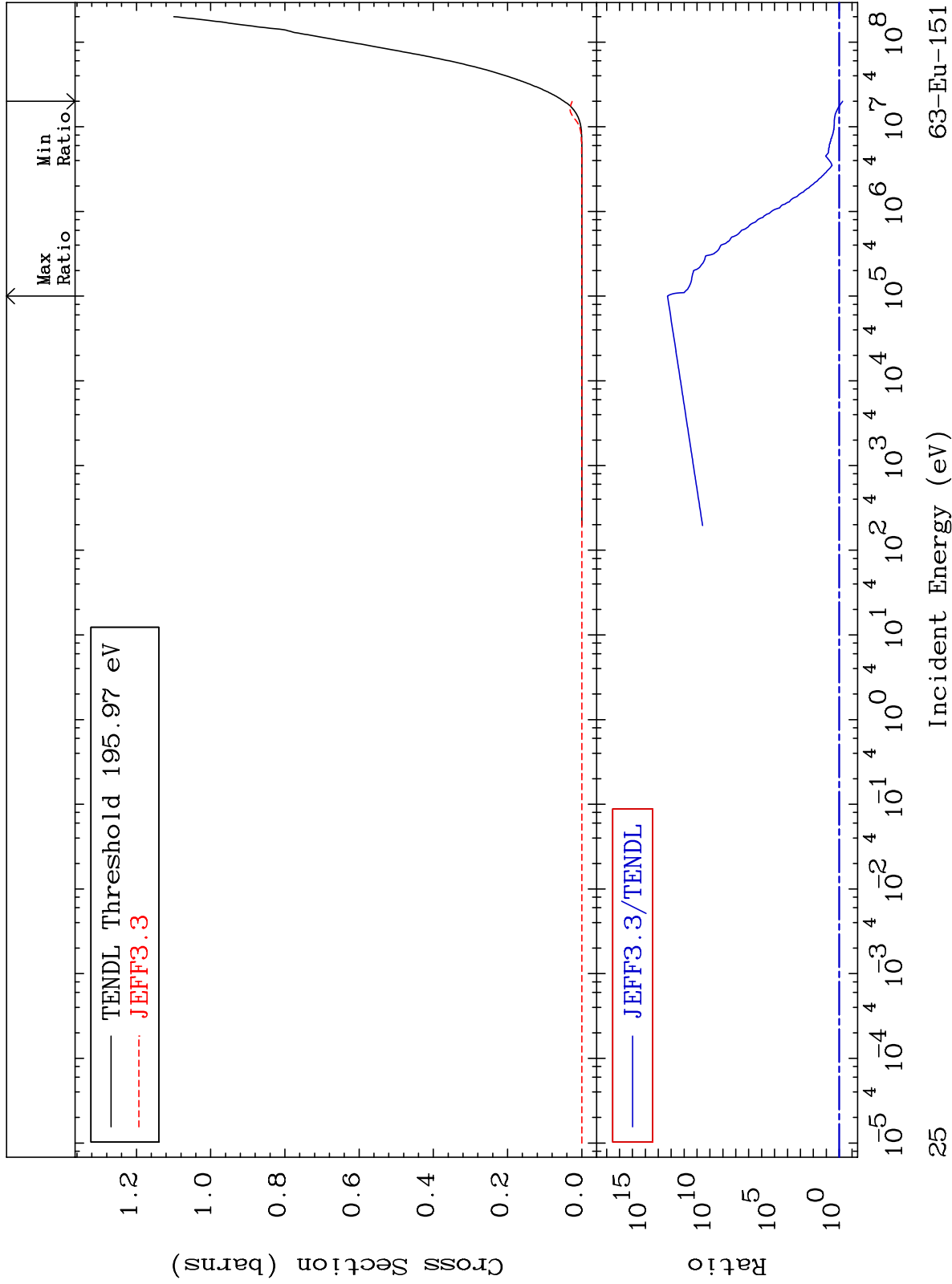
9999. To 9999. %



MAT 6325

Hydrogen Production  
Cross Section

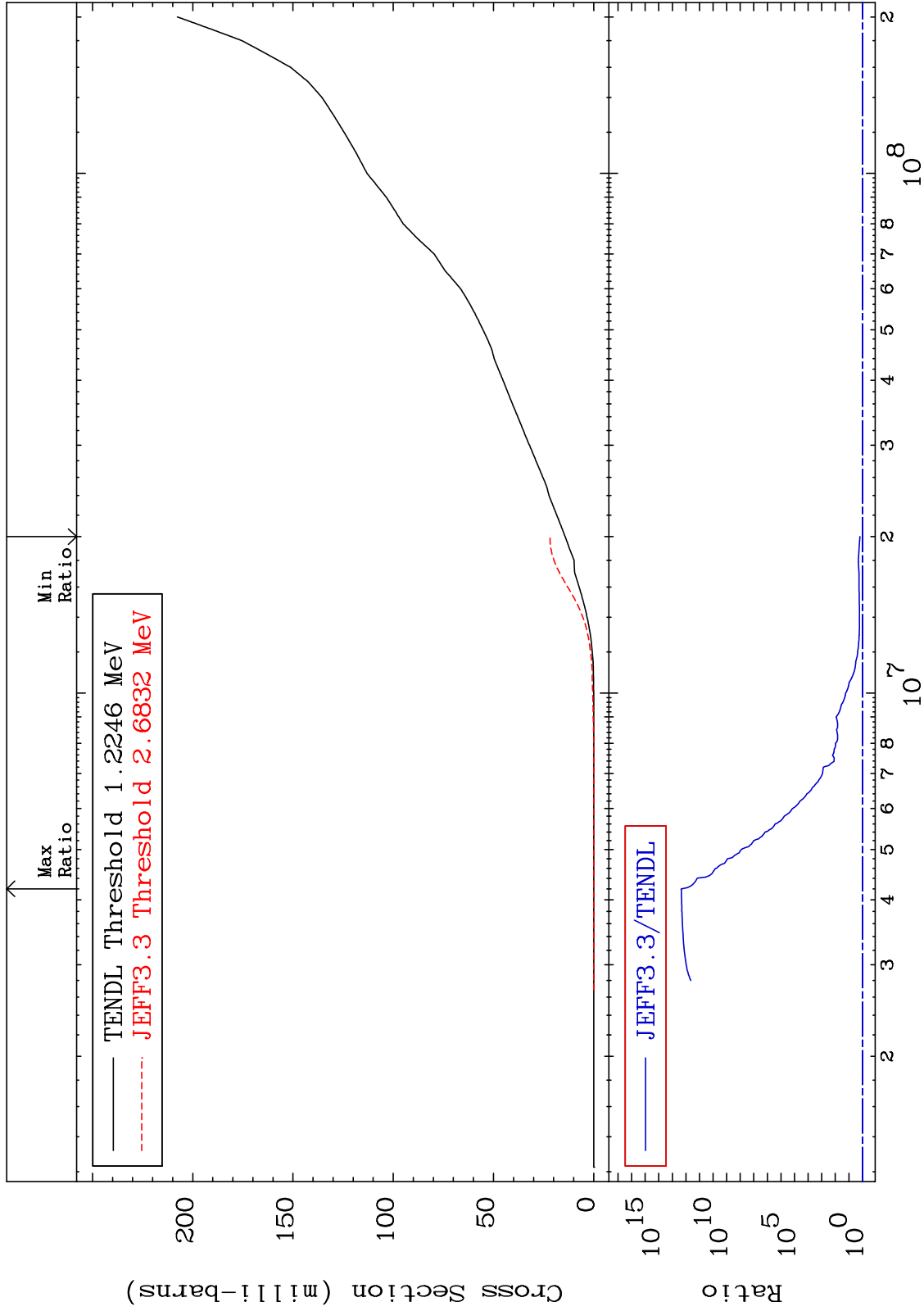
63-Eu-151  
-46.17 To 9999. %



MAT 6325

Deuterium Production  
Cross Section

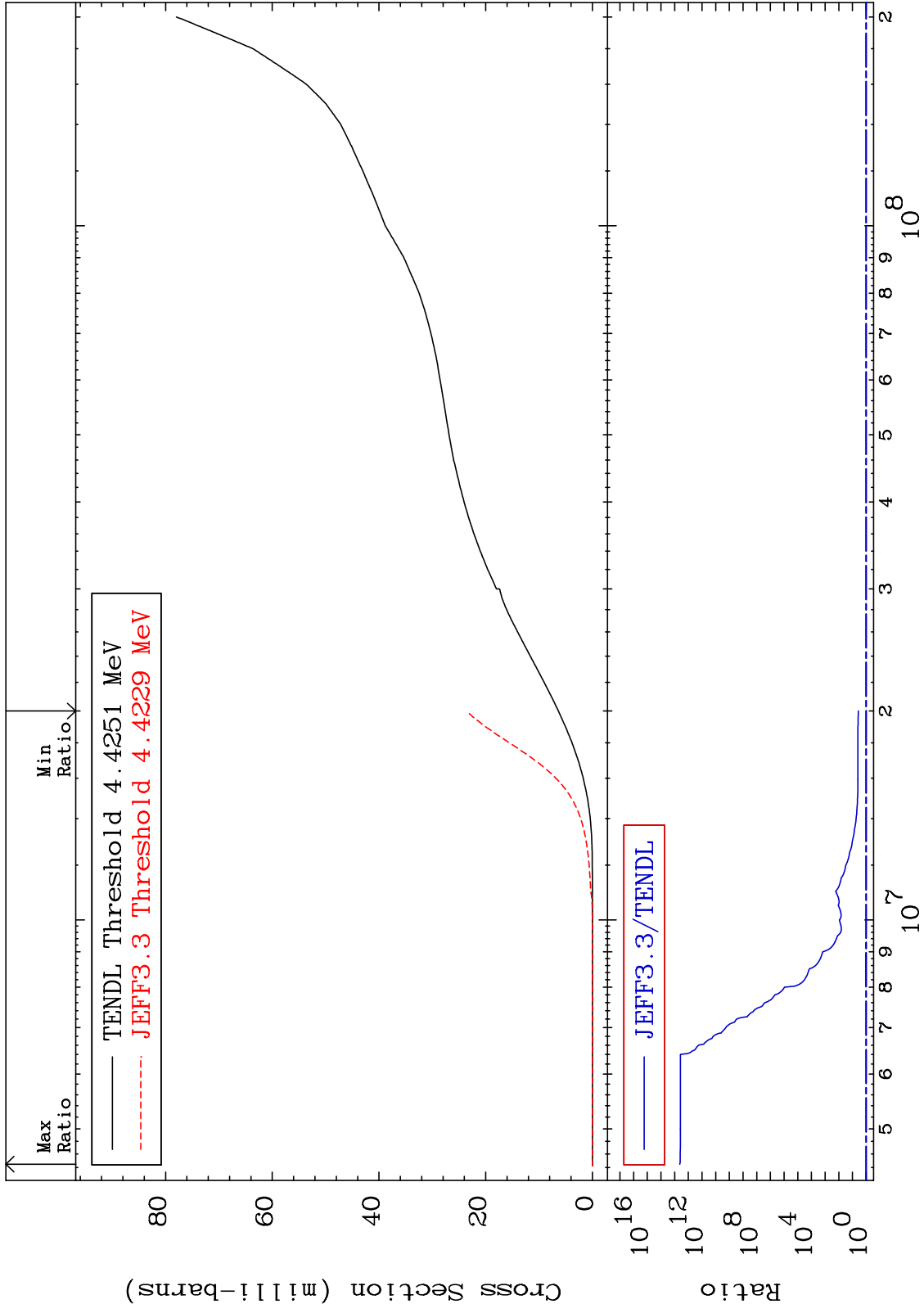
63-Eu-151  
53.17 To 9999. %



MAT 6325

Tritium Production  
Cross Section

63-Eu-151  
270.9 To 9999. %



27

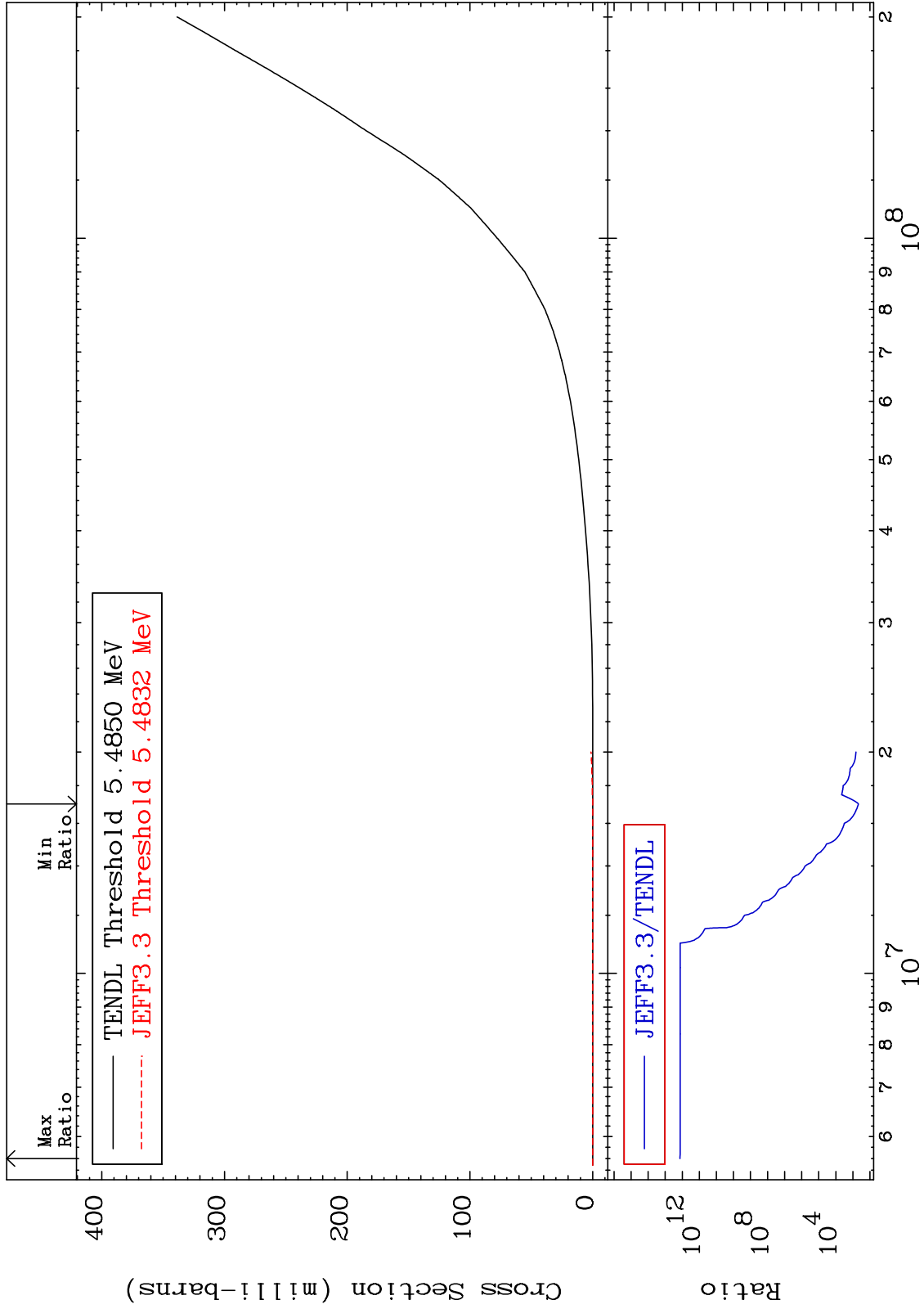
Incident Energy (eV)

63-Eu-151

MAT 6325

He-3 Production  
Cross Section

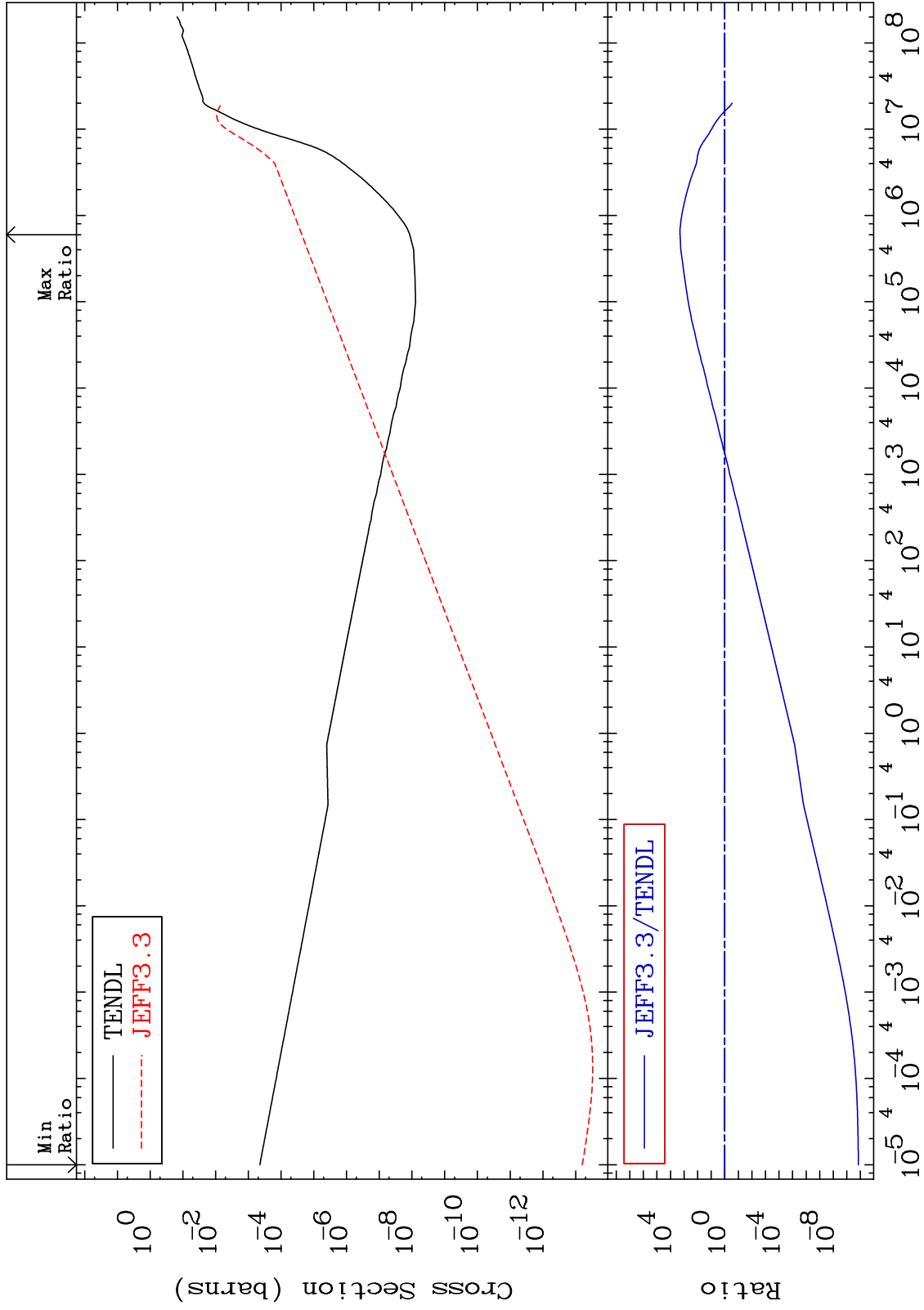
63-Eu-151  
9999. To 9999. %



MAT 6325

He-4 Production  
Cross Section

63-Eu-151  
-100.0 To 9999. %

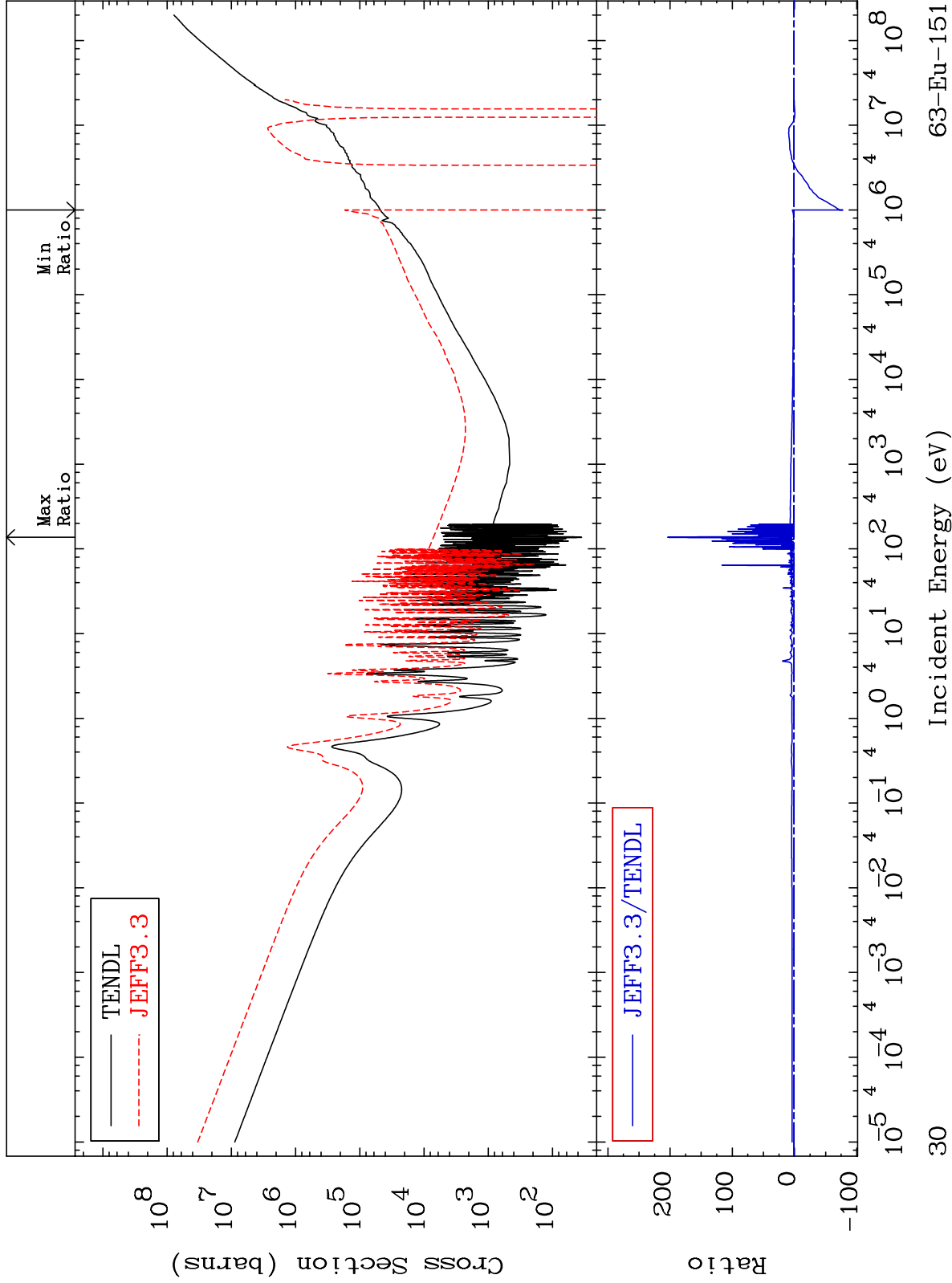


MAT 6325

Kerma total (eV-barns)  
Cross Section

63-Eu-151

-7836. To 9999. %



30

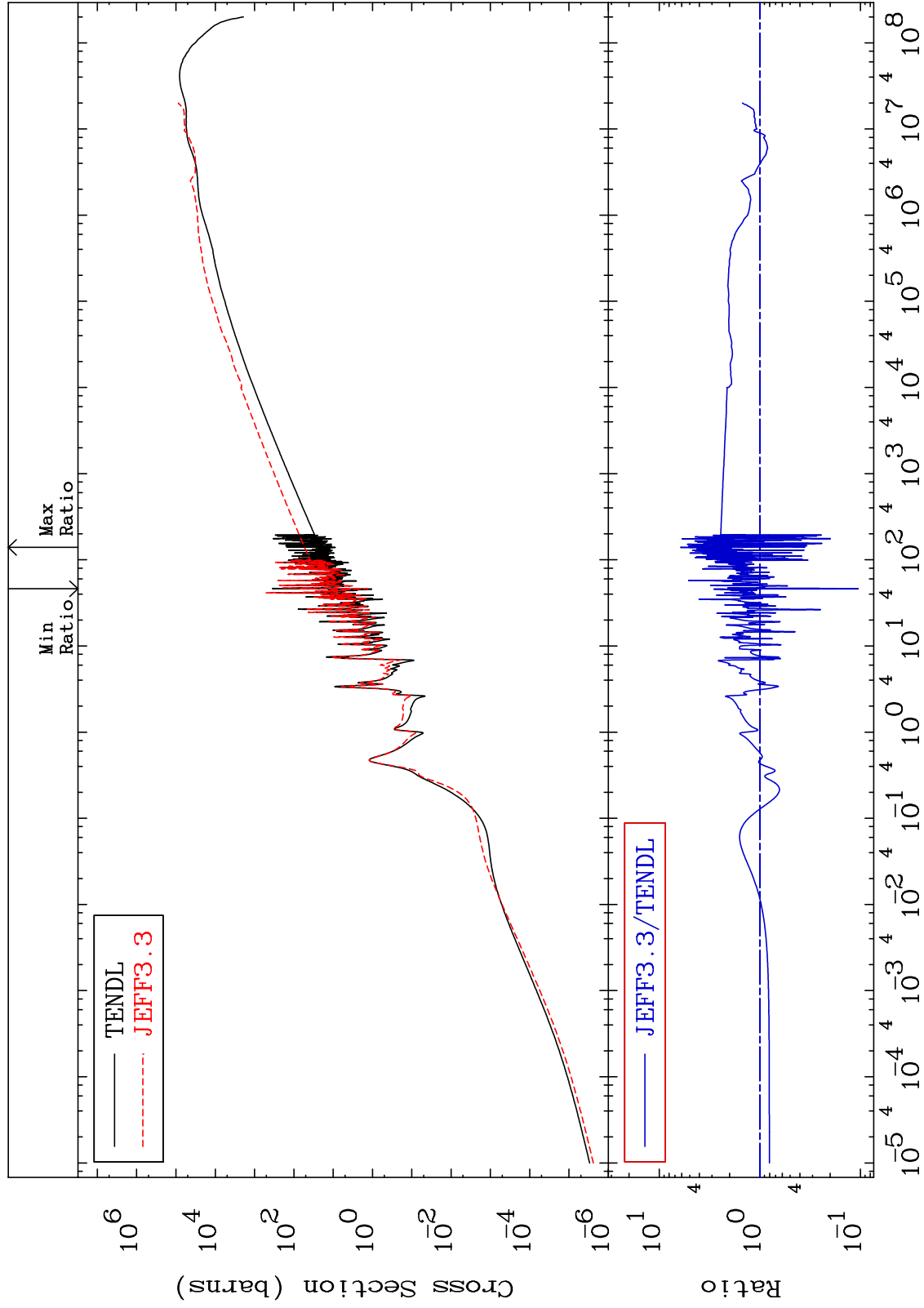
Incident Energy (eV)

63-Eu-151

MAT 6325

Kerma elastic  
Cross Section

63-Eu-151  
-89.55 To 517.1 %



31

Incident Energy (eV)

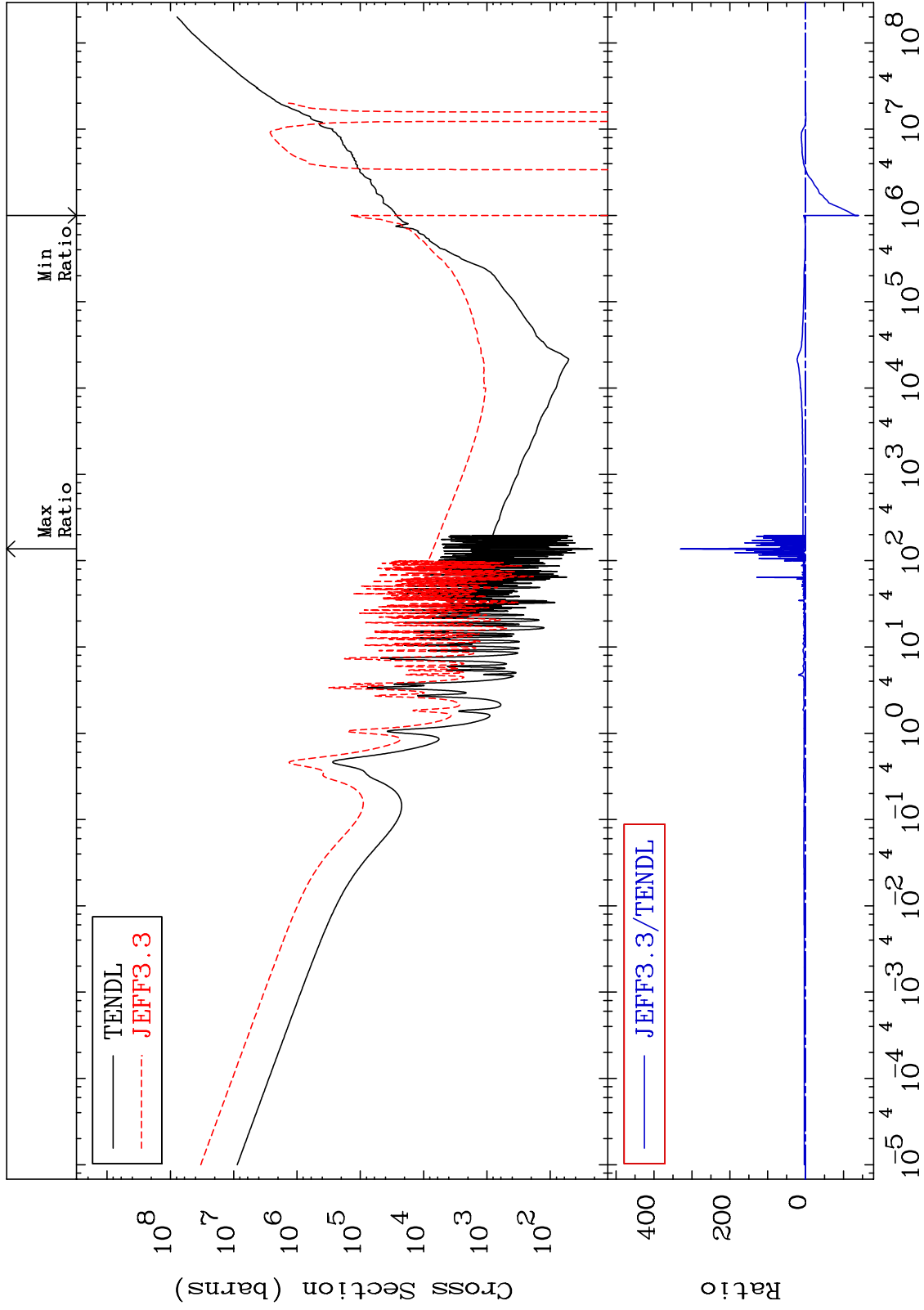
63-Eu-151



MAT 6325

Kerma non-elastic (all but mt2)  
Cross Section

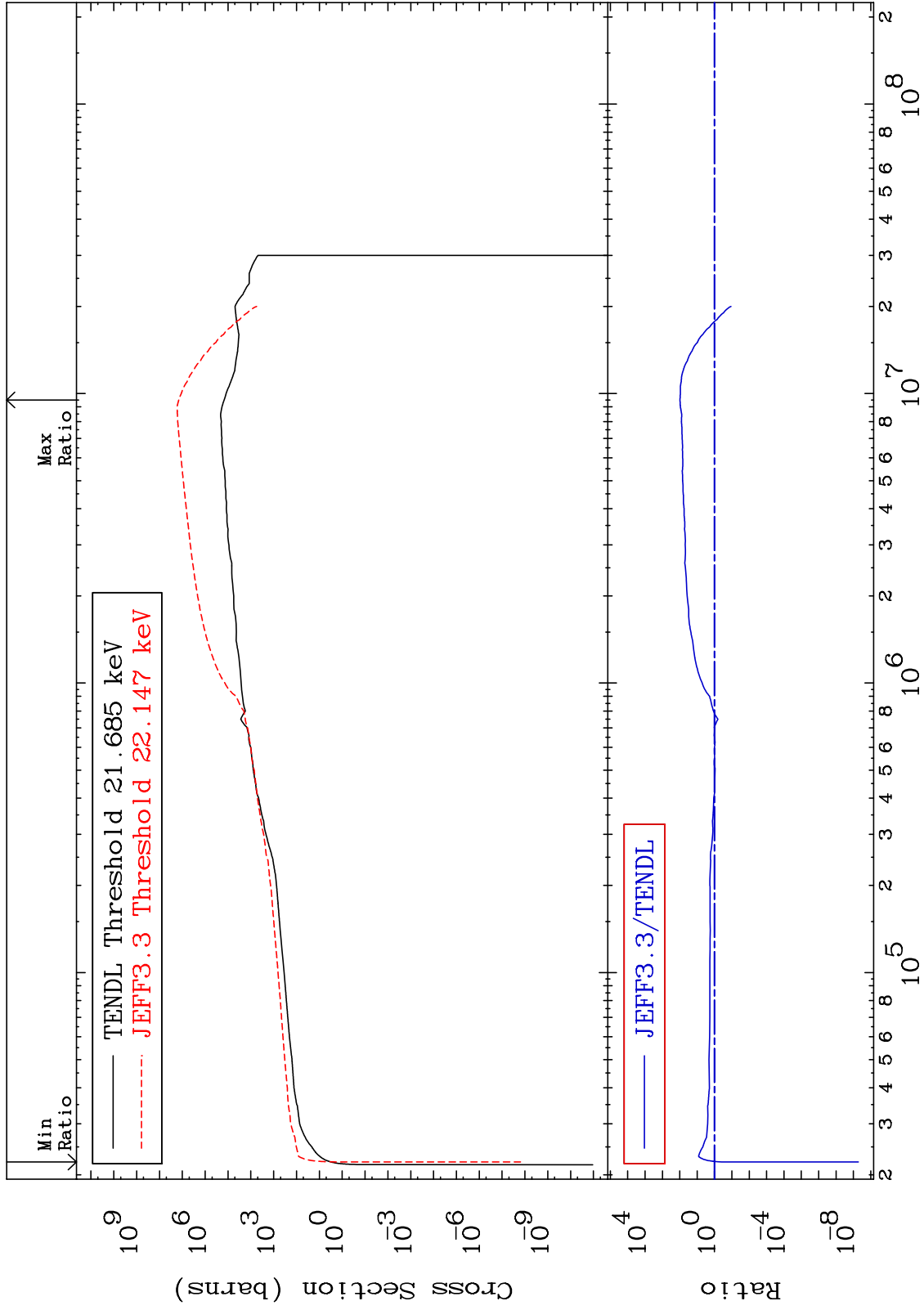
63-Eu-151  
-9999. To 9999. %



MAT 6325

Kerma inelastic (mt51-91)  
Cross Section

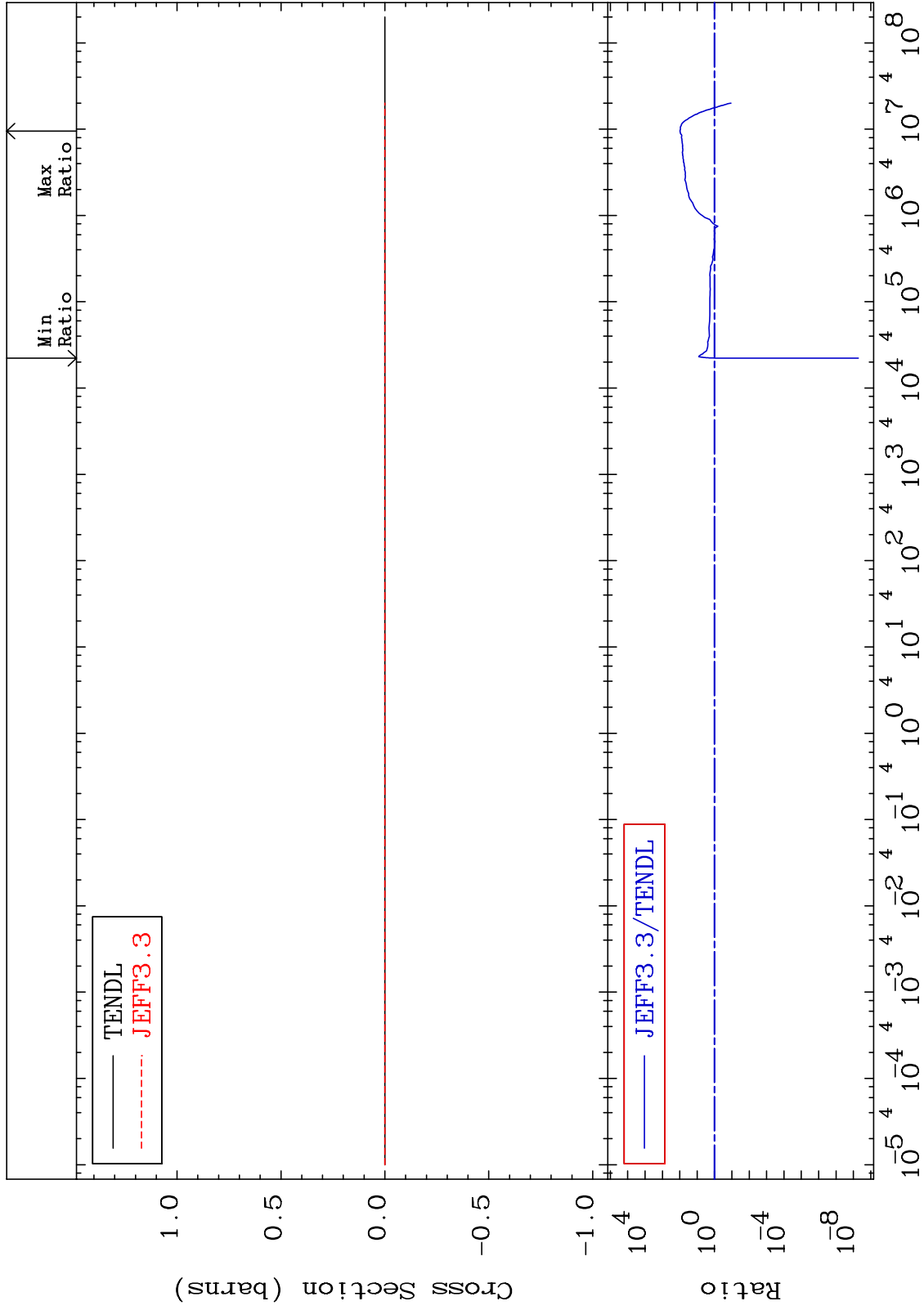
63-Eu-151  
-100.0 To 9575. %



MAT 6325

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

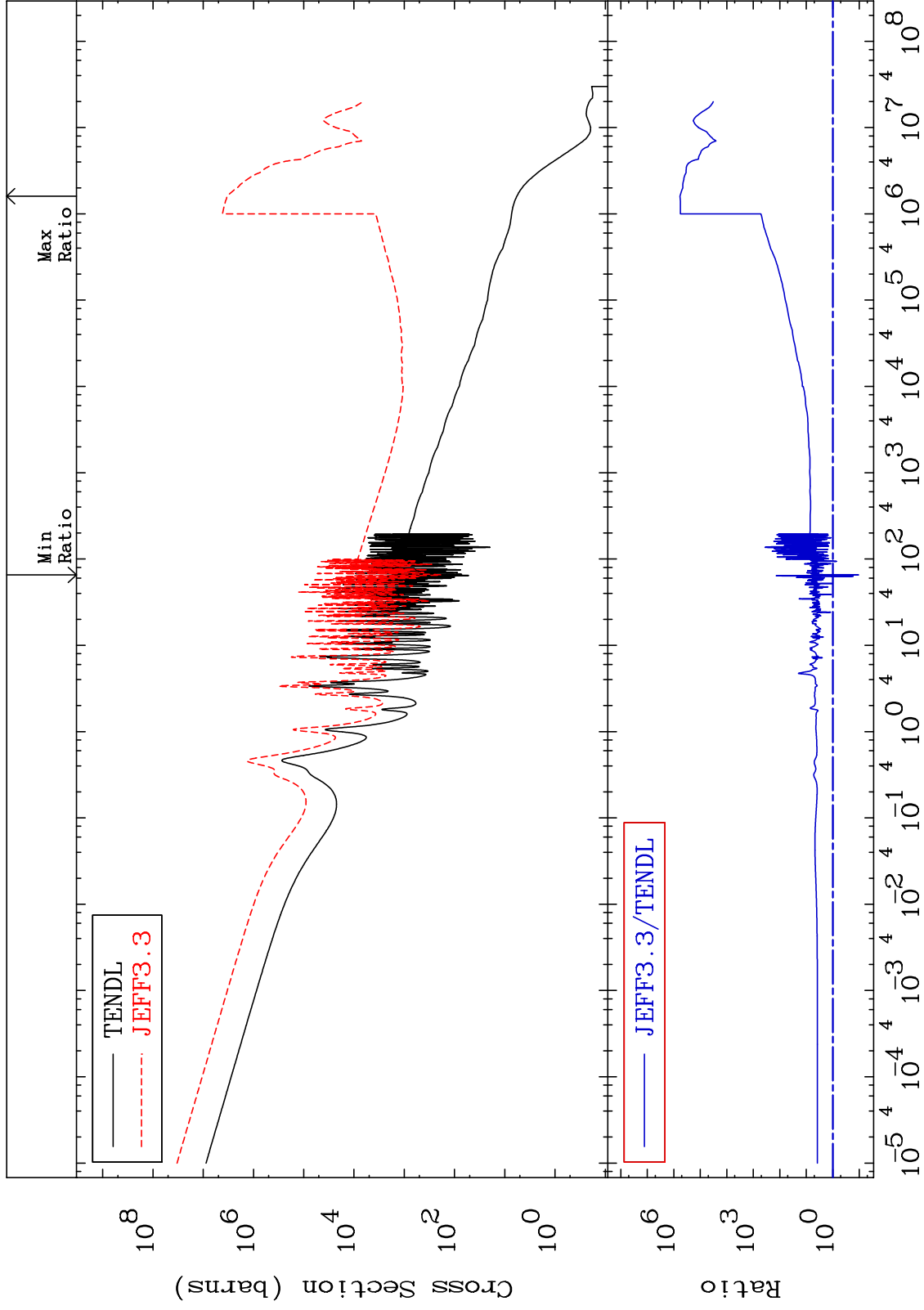
63-Eu-151  
-100.0 To 9575. %



MAT 6325

Kerma capture (mt102)  
Cross Section

63-Eu-151  
-89.24 To 9999. %



35

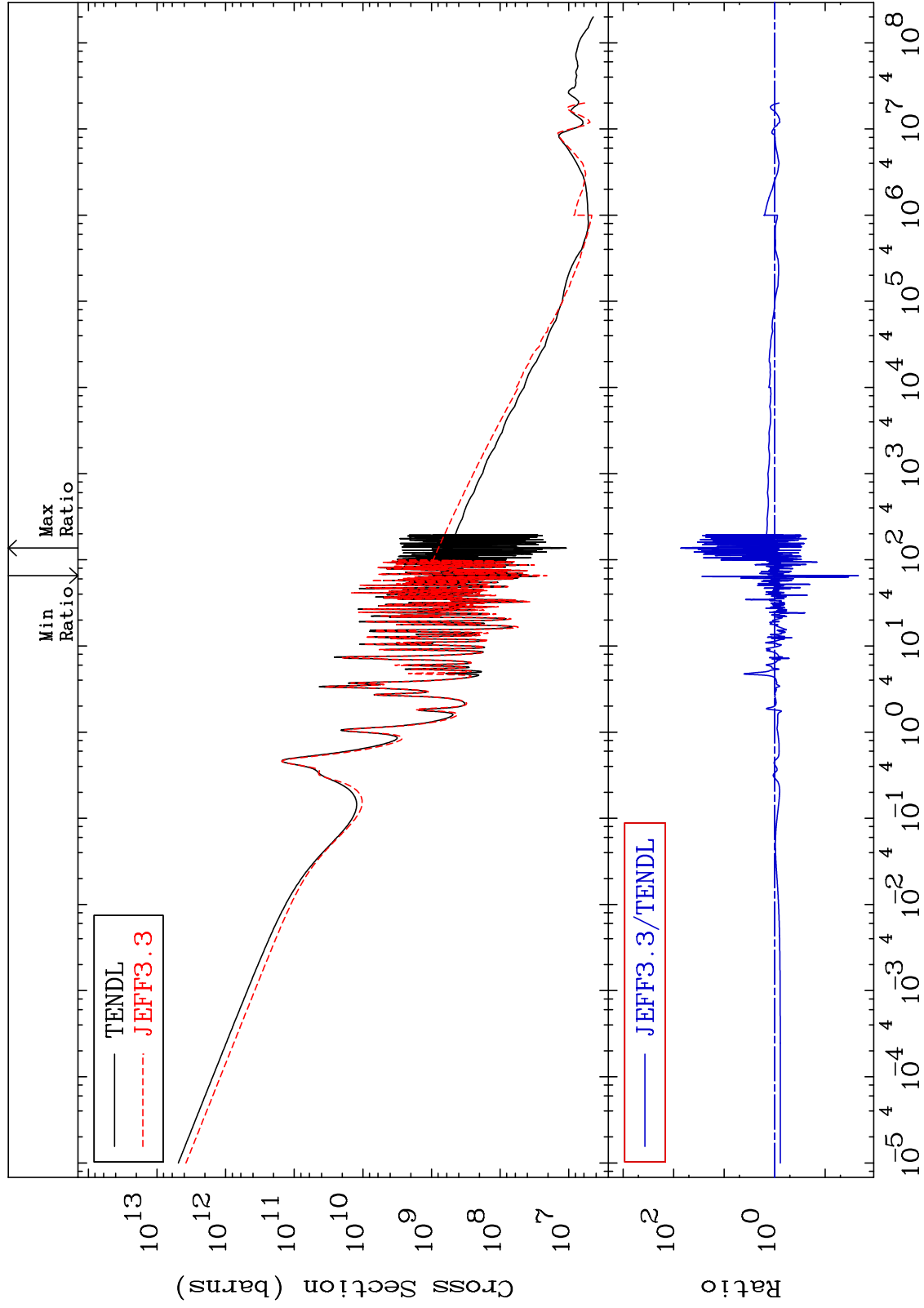
Incident Energy (eV)

63-Eu-151

MAT 6325

Total photon (eV-barns)  
Cross Section

63-Eu-151  
-97.81 To 7222. %



36

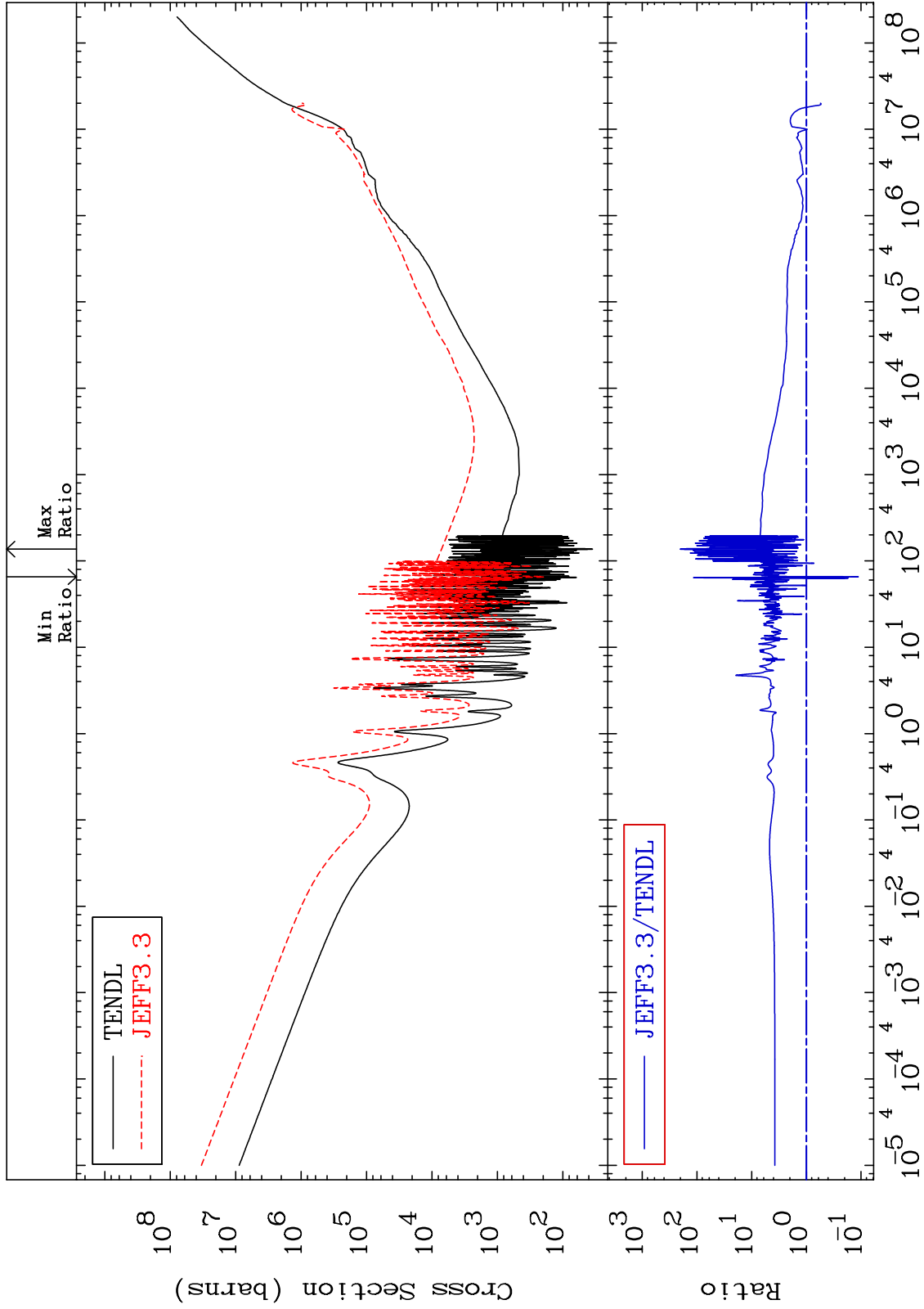
Incident Energy (eV)

63-Eu-151

MAT 6325

Total kinematic kerma (high limit)  
Cross Section

63-Eu-151  
-88.81 To 9999. %



37

Incident Energy (eV)

63-Eu-151

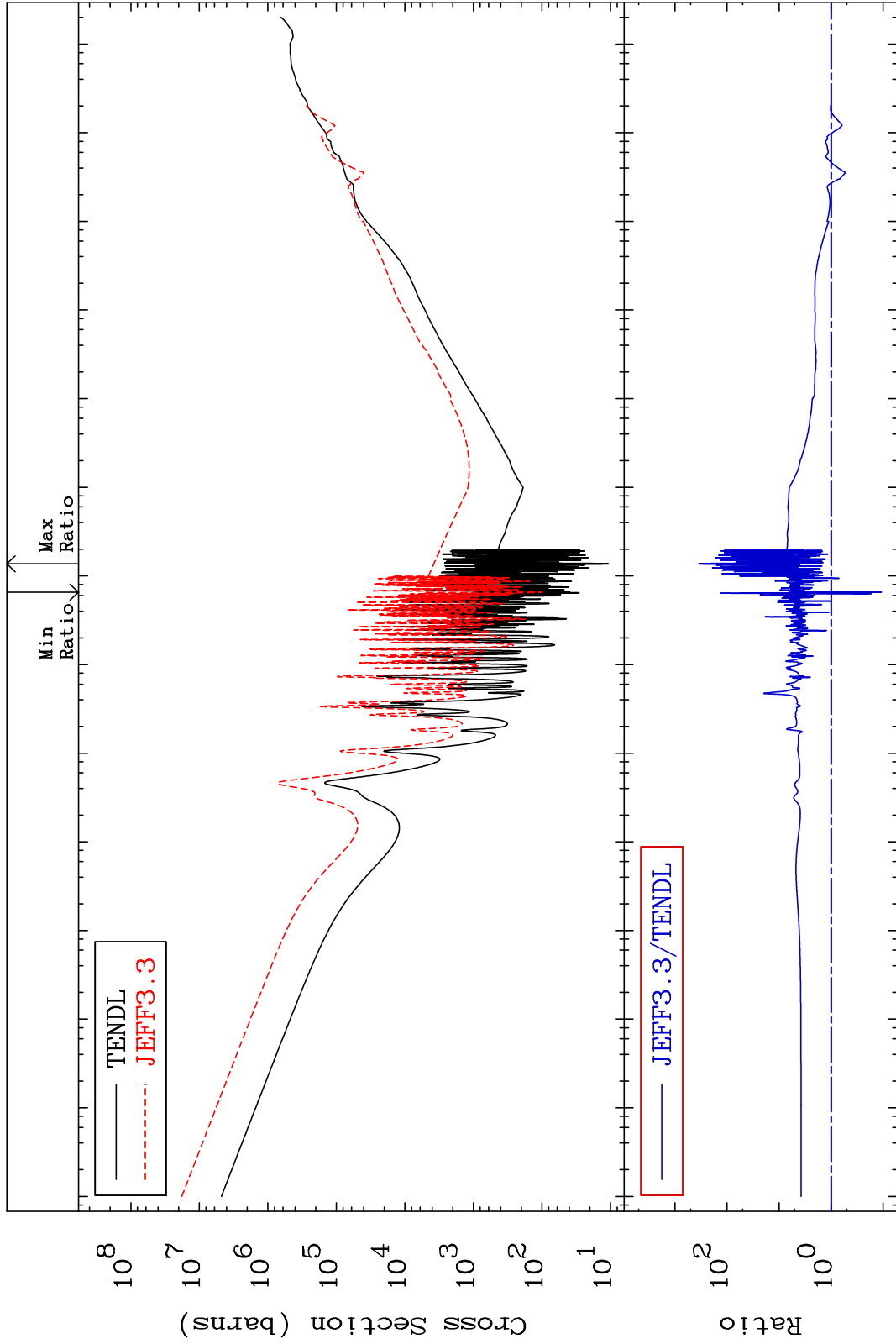
MAT 6325

Dpa total (eV-barns)

63-Eu-151

-89.32 To 9999. %

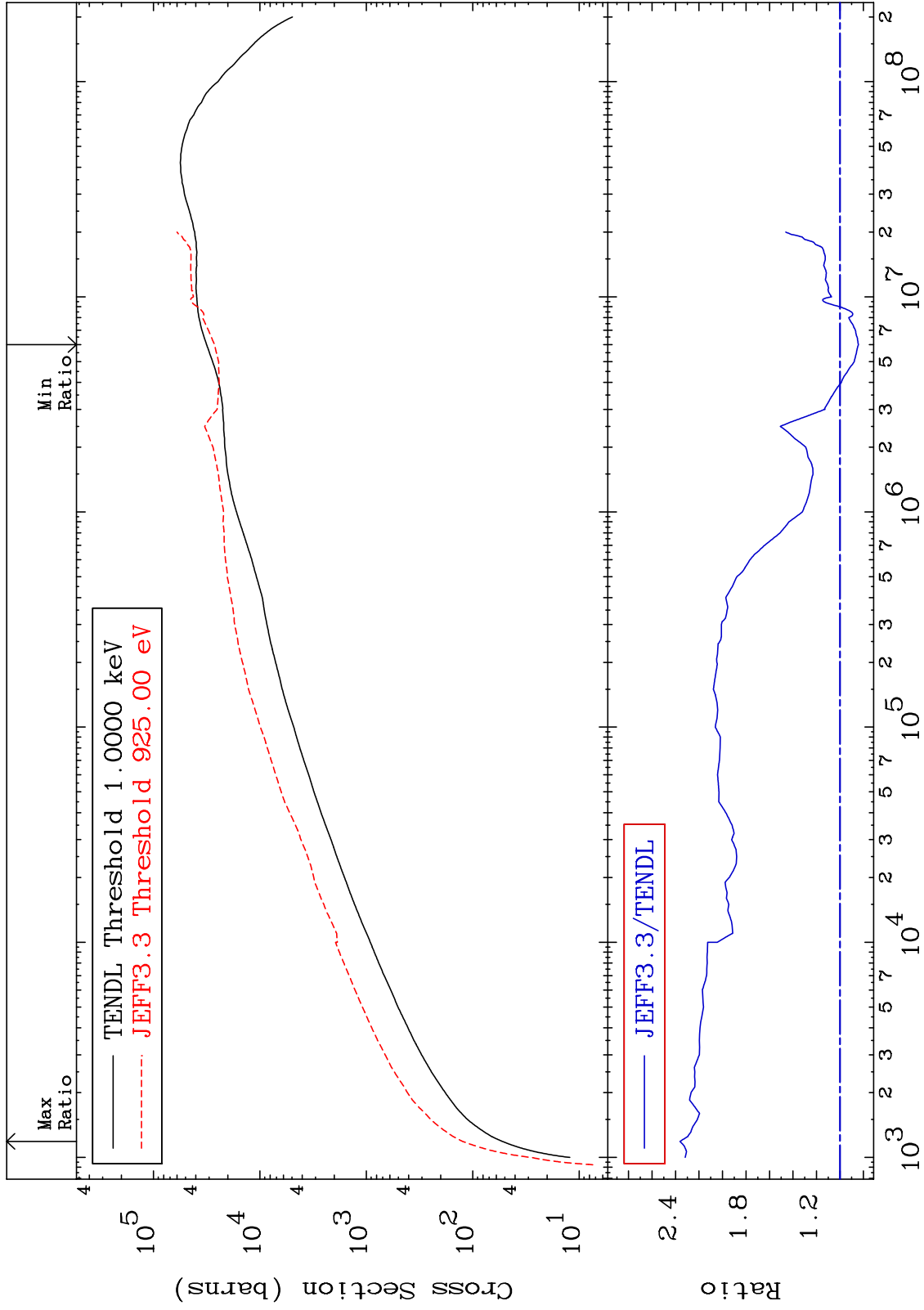
Cross Section



MAT 6325

Dpa elastic (mt2)  
Cross Section

63-Eu-151  
-15.72 To 136.2 %



39

Incident Energy (eV)

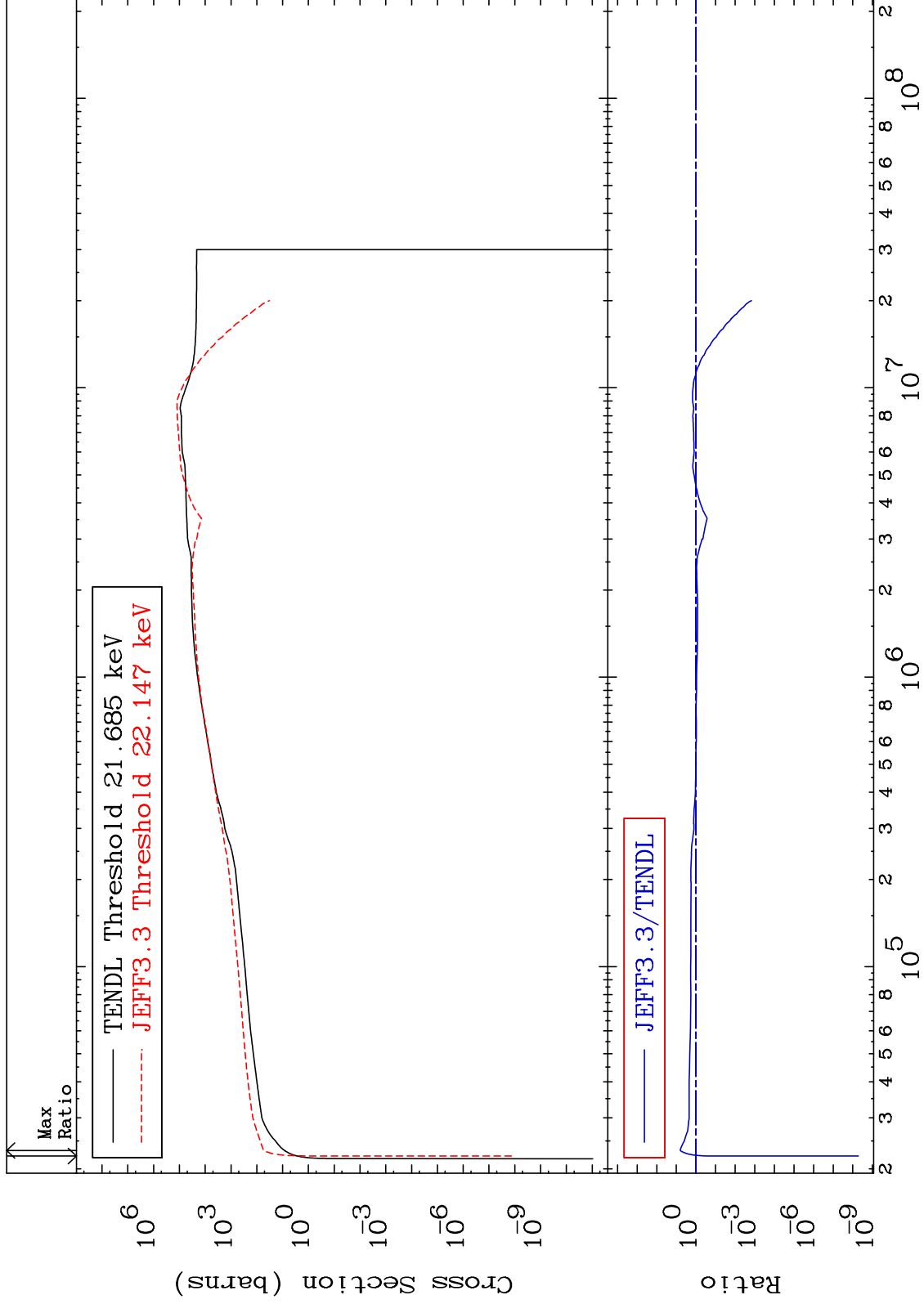
63-Eu-151



MAT 6325

Dpa inelastic (mt51-91)  
Cross Section

63-Eu-151  
-100.0 To 549.5 %



40

Incident Energy (eV)

63-Eu-151

MAT 6325

Dpa disappearance (mt102 -120)  
Cross Section

63-Eu-151  
-89.32 To 9999. %

