

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

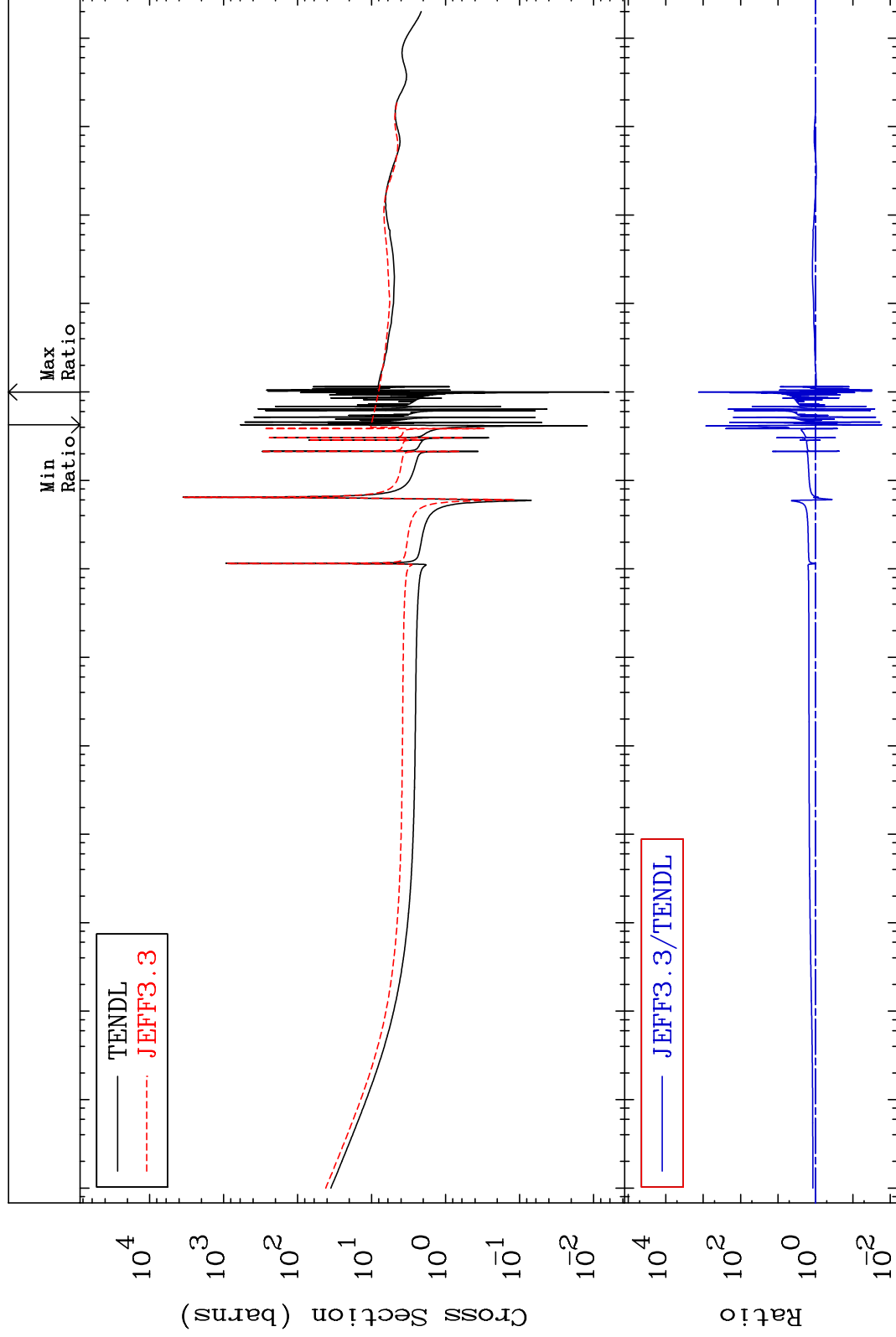
MAT 5449

Total

54-Xe-132

Cross Section

-98.29 To 9999. %



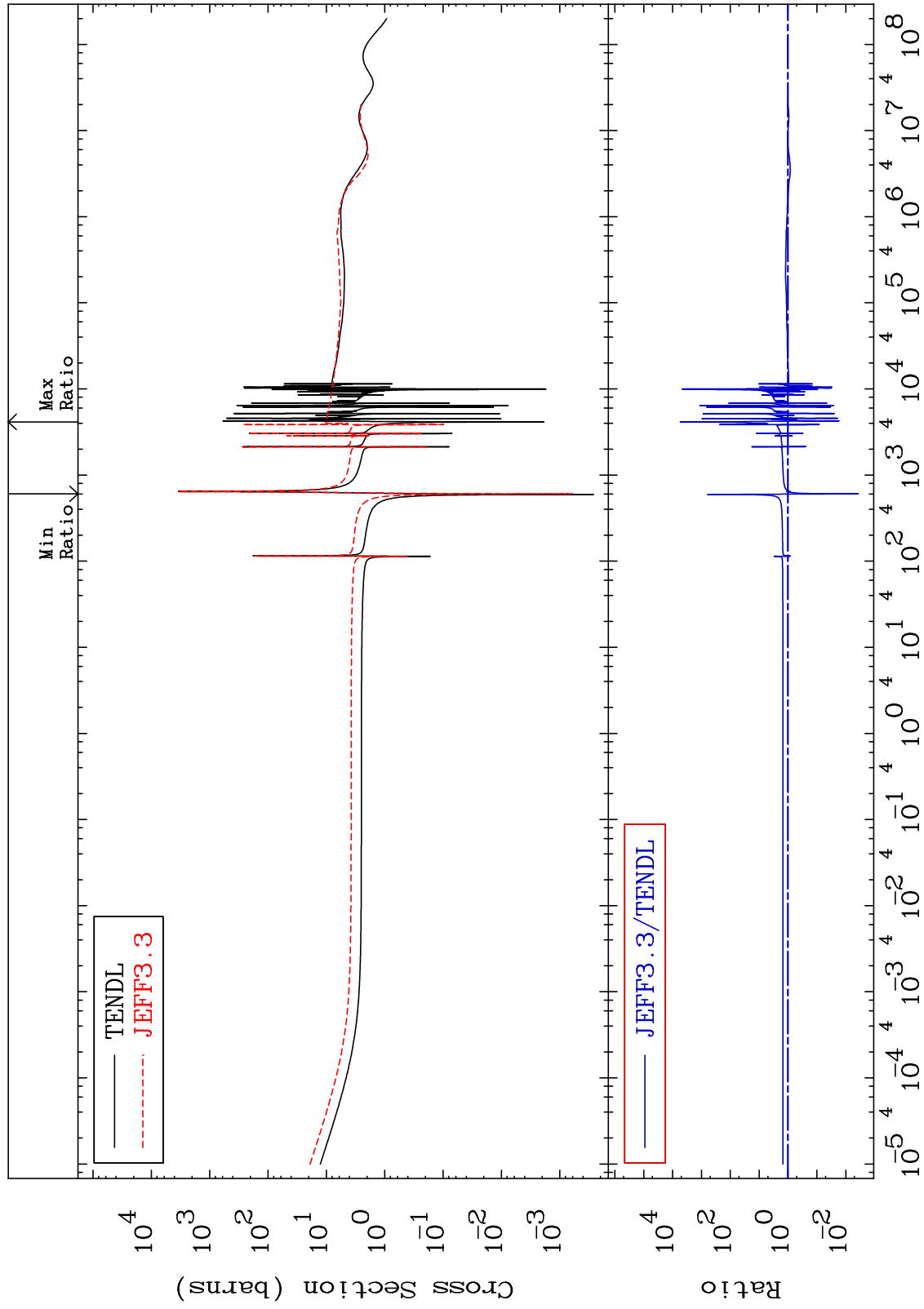
Incident Energy (eV)

54-Xe-132

MAT 5449

Elastic  
Cross Section

54-Xe-132  
-99.64 To 9999. %



2

Incident Energy (eV)

54-Xe-132

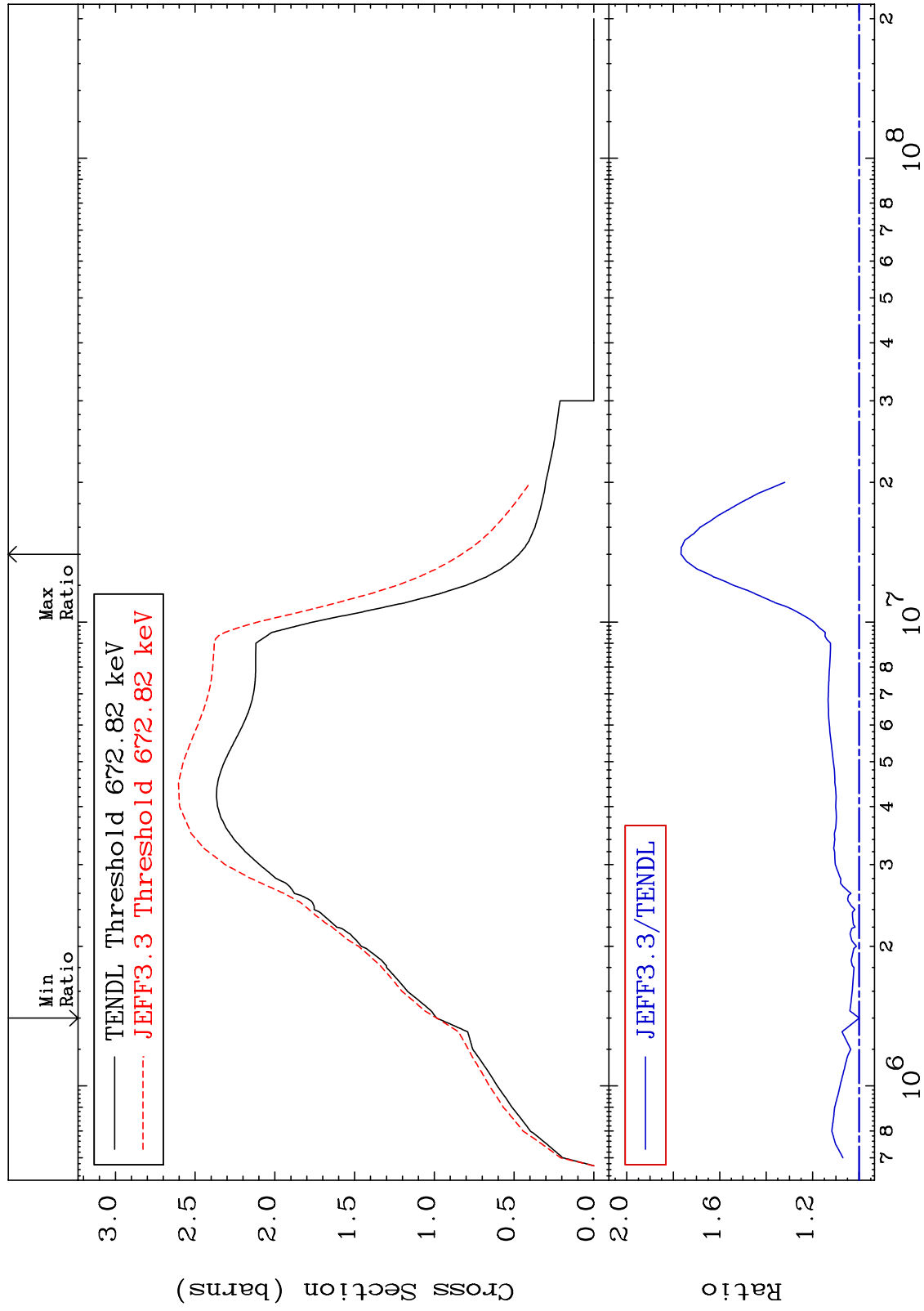
MAT 5449

Inelastic

54-Xe-132

Cross Section

-0.076 To 76.66 %



3

Incident Energy (eV)

54-Xe-132

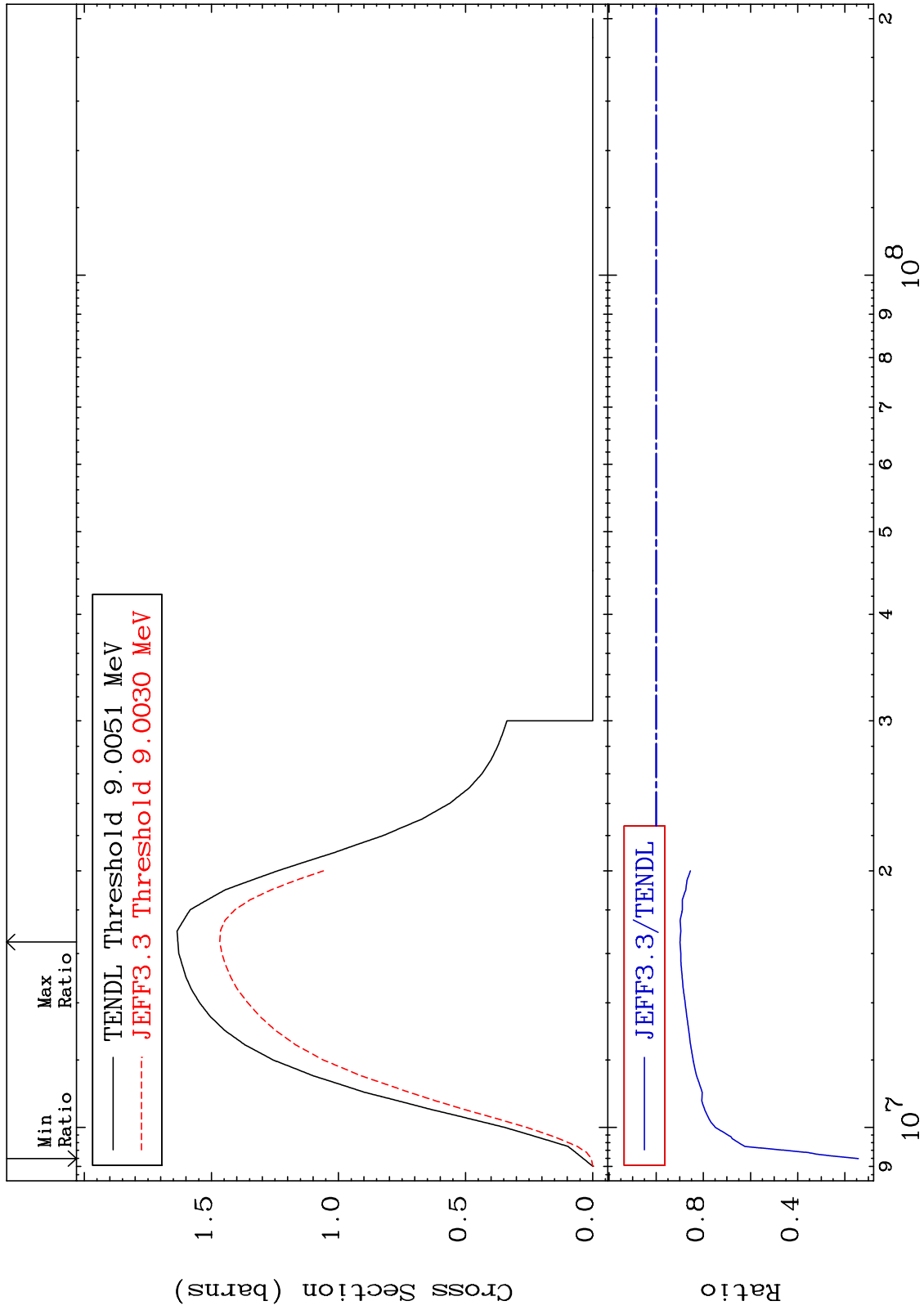
MAT 5449

(n,2n)

54-Xe-132

Cross Section

-85.74 To -10.10%



Incident Energy (eV)

54-Xe-132

4

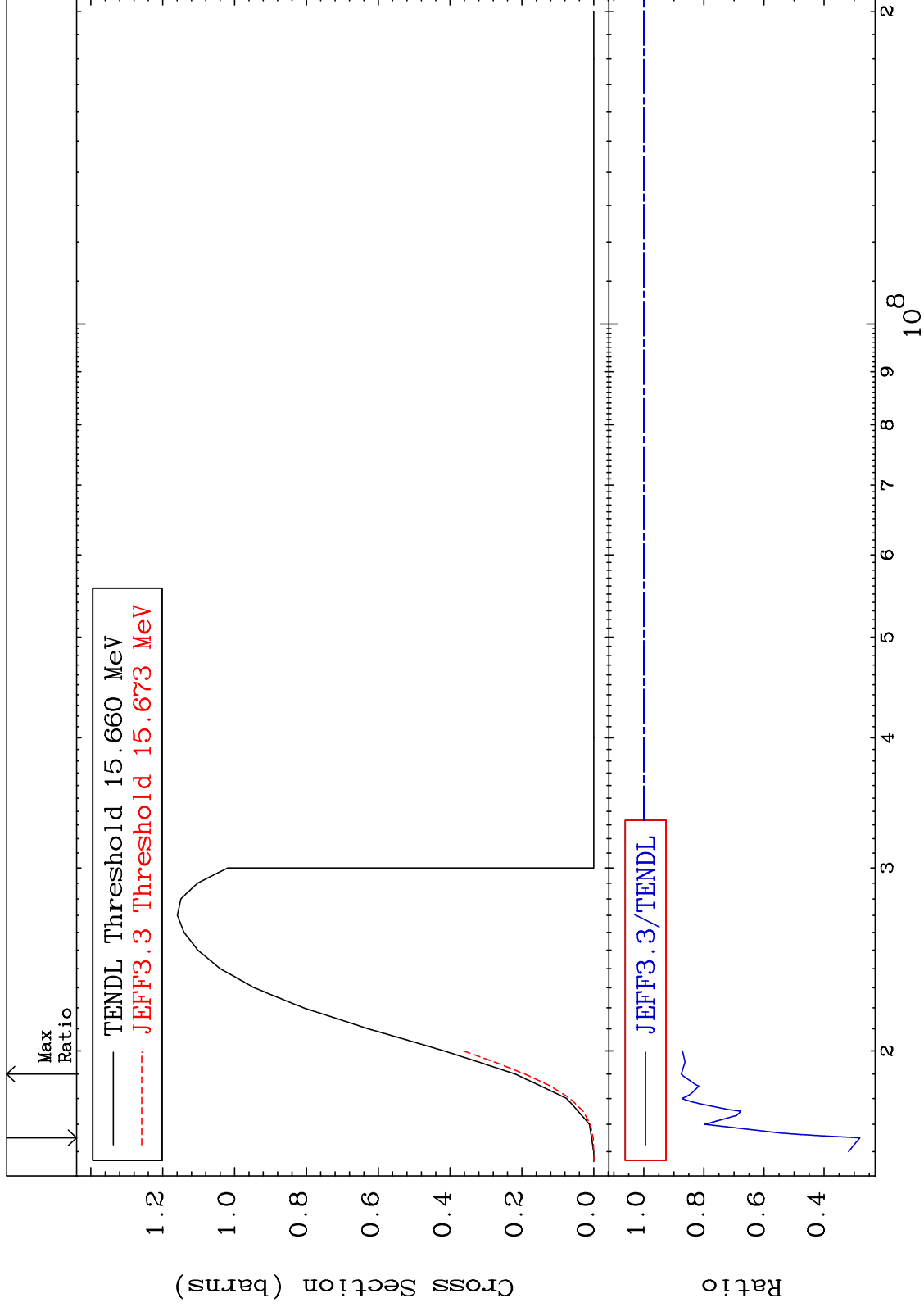
MAT 5449

(n, 3n)

54-Xe-132

Cross Section

-71.91 To -12.45%



5

Incident Energy (eV)

54-Xe-132

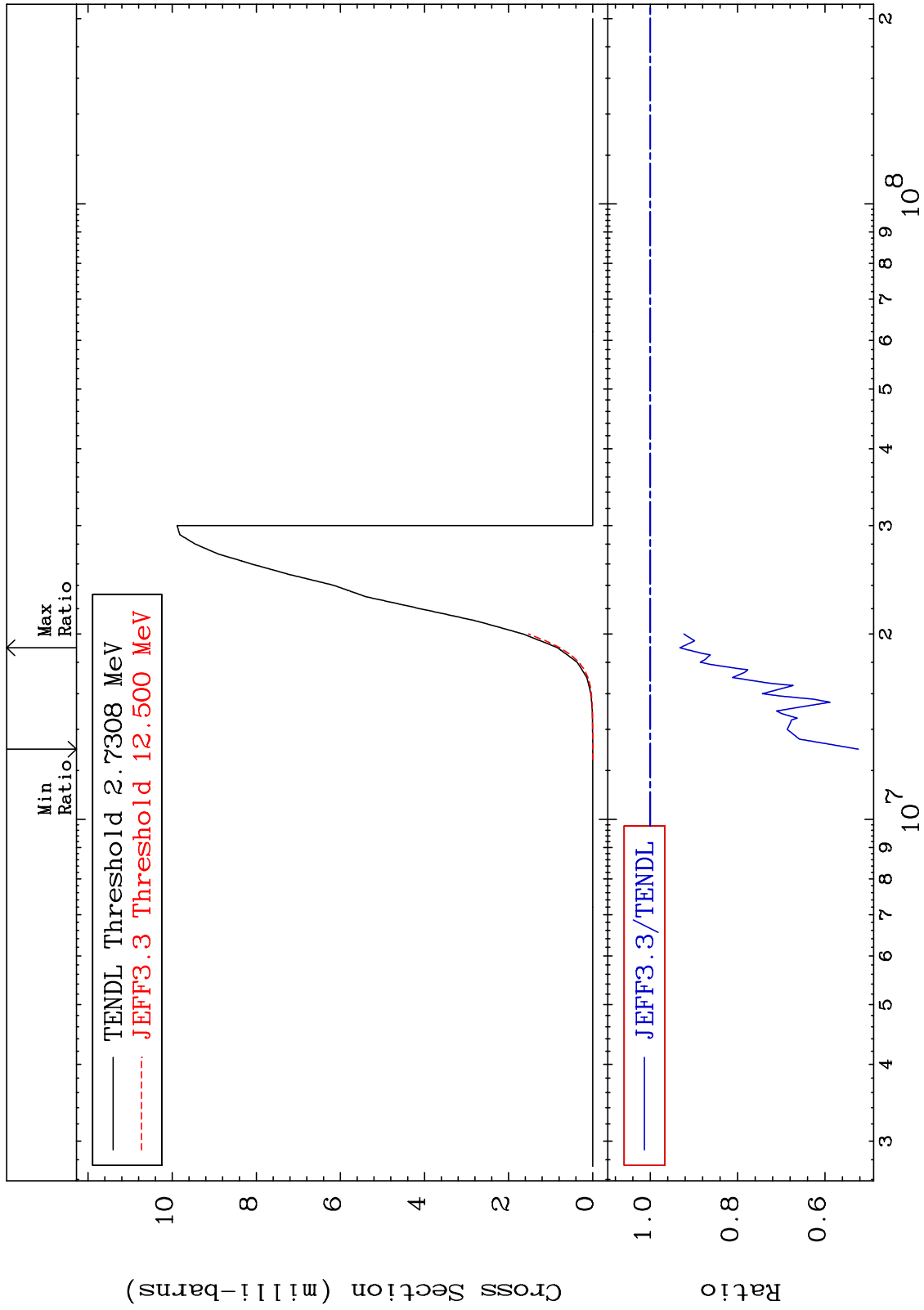
MAT 5449

(n, n')  $\alpha$

54-Xe-132

-47.67 To -6.801%

Cross Section



6

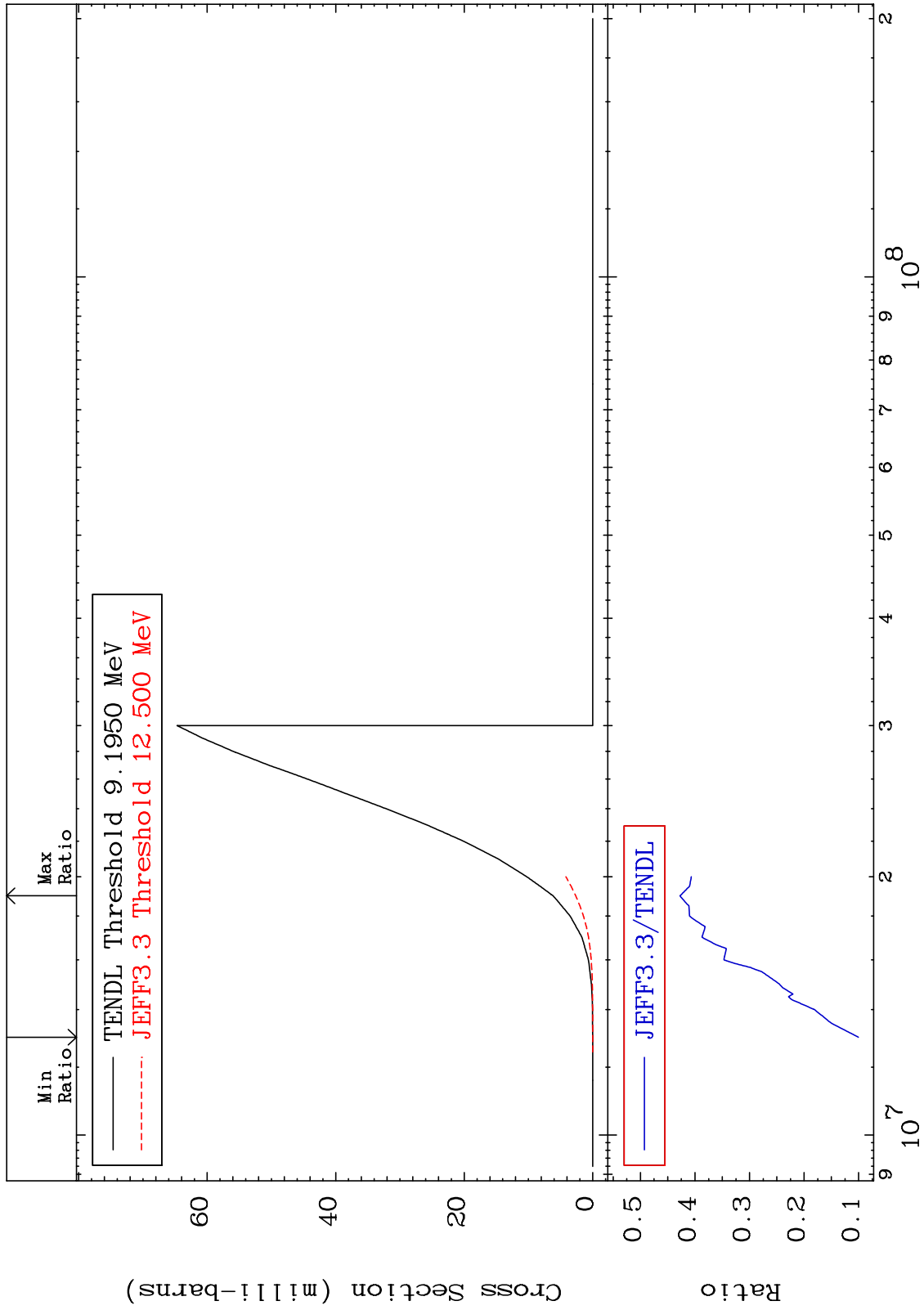
Incident Energy (eV)

54-Xe-132

MAT 5449

(n,n') p  
Cross Section

54-Xe-132  
-89.95 To -57.25%



Incident Energy (eV)

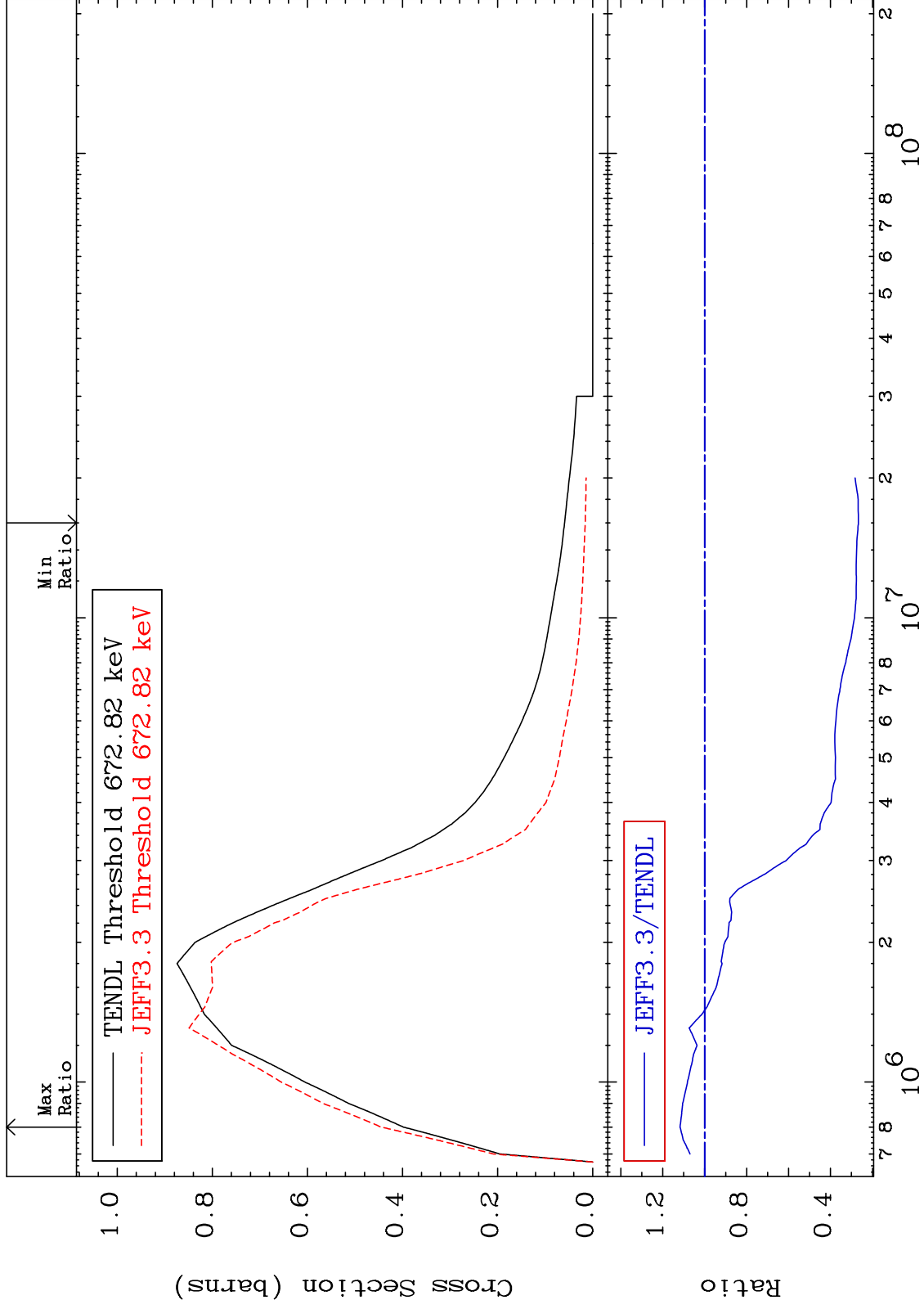
54-Xe-132



MAT 5449

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

54-Xe-132  
-73.30 To 11.77 %



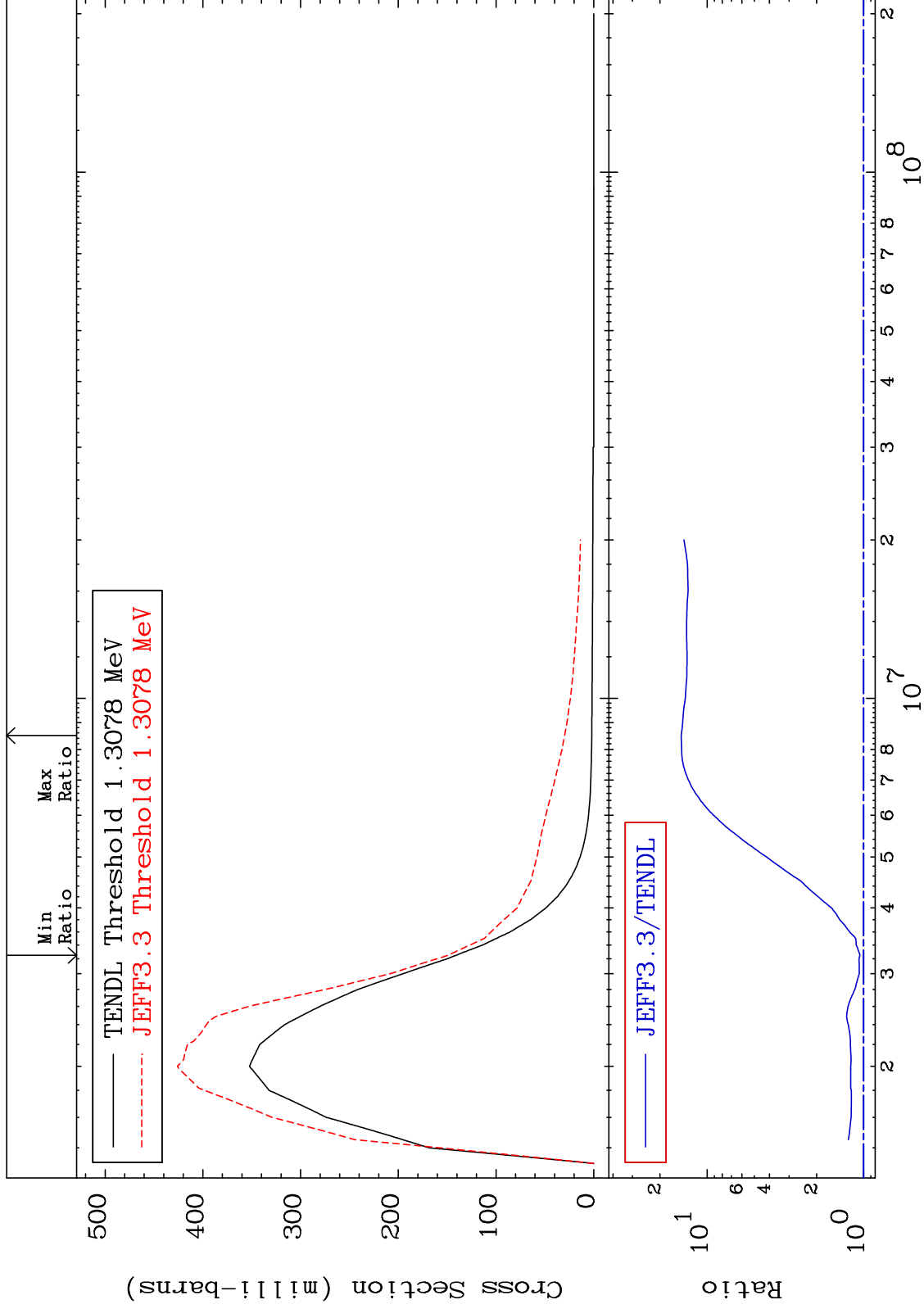
8

54-Xe-132

MAT 5449

MT= 52 (n,n') Level  
Cross Section

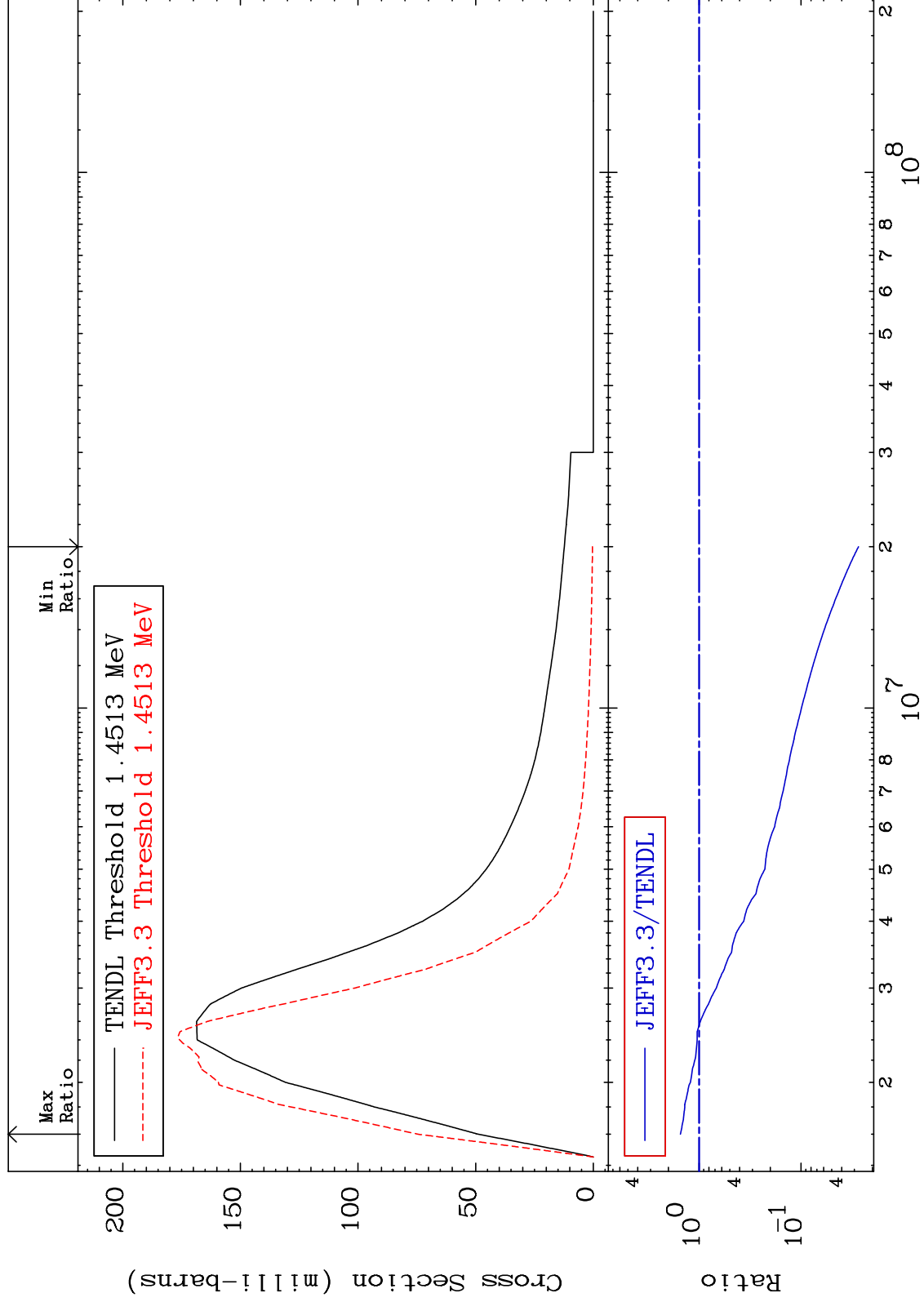
54-Xe-132  
5.658 To 1364. %



MAT 5449

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

54-Xe-132  
-97.27 To 52.39 %

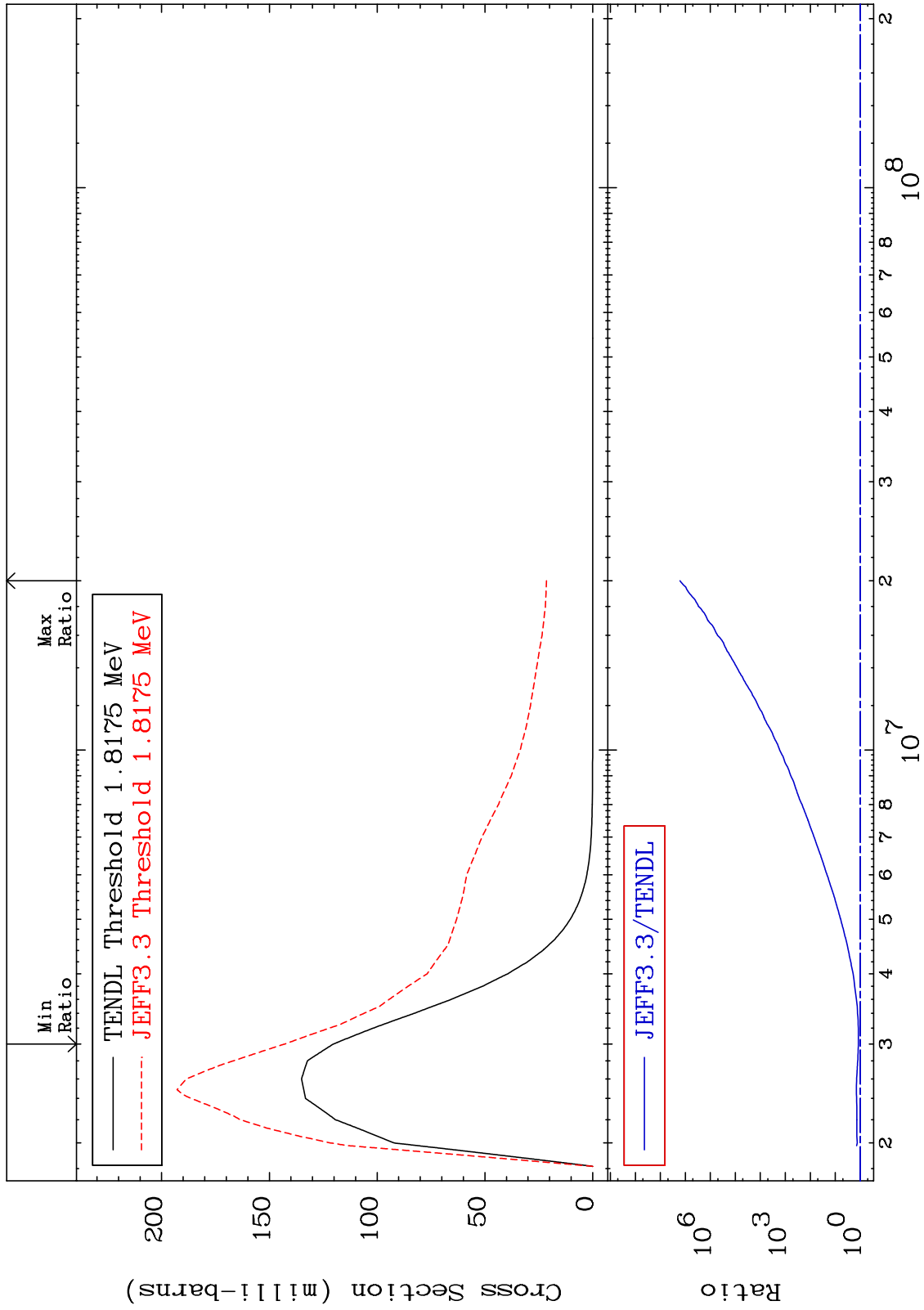


10

Incident Energy (eV)

54-Xe-132

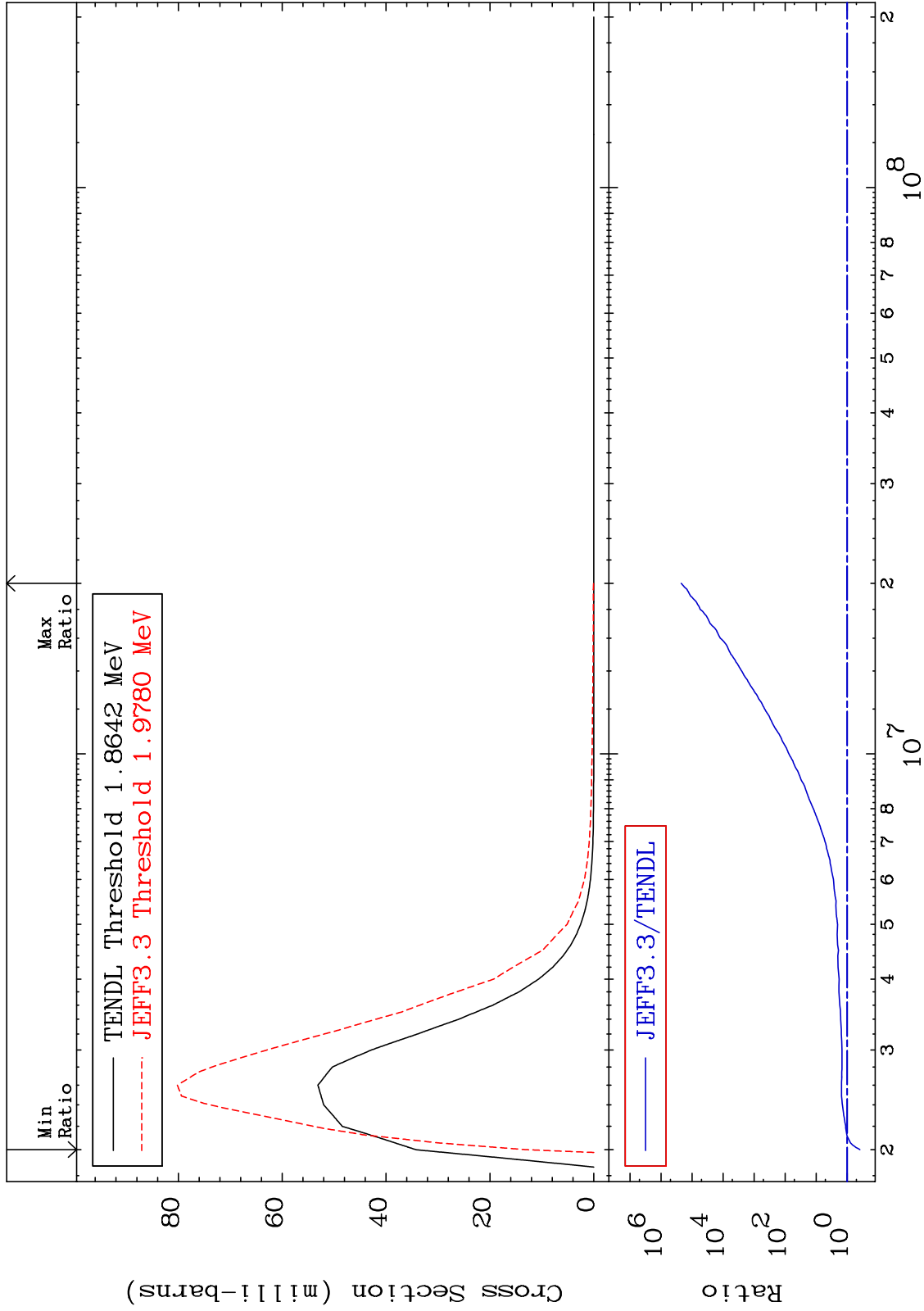
MAT 5449      MT= 54 (n,n') Level Cross Section      54-Xe-132  
 18.75 To 9999. %



MAT 5449

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

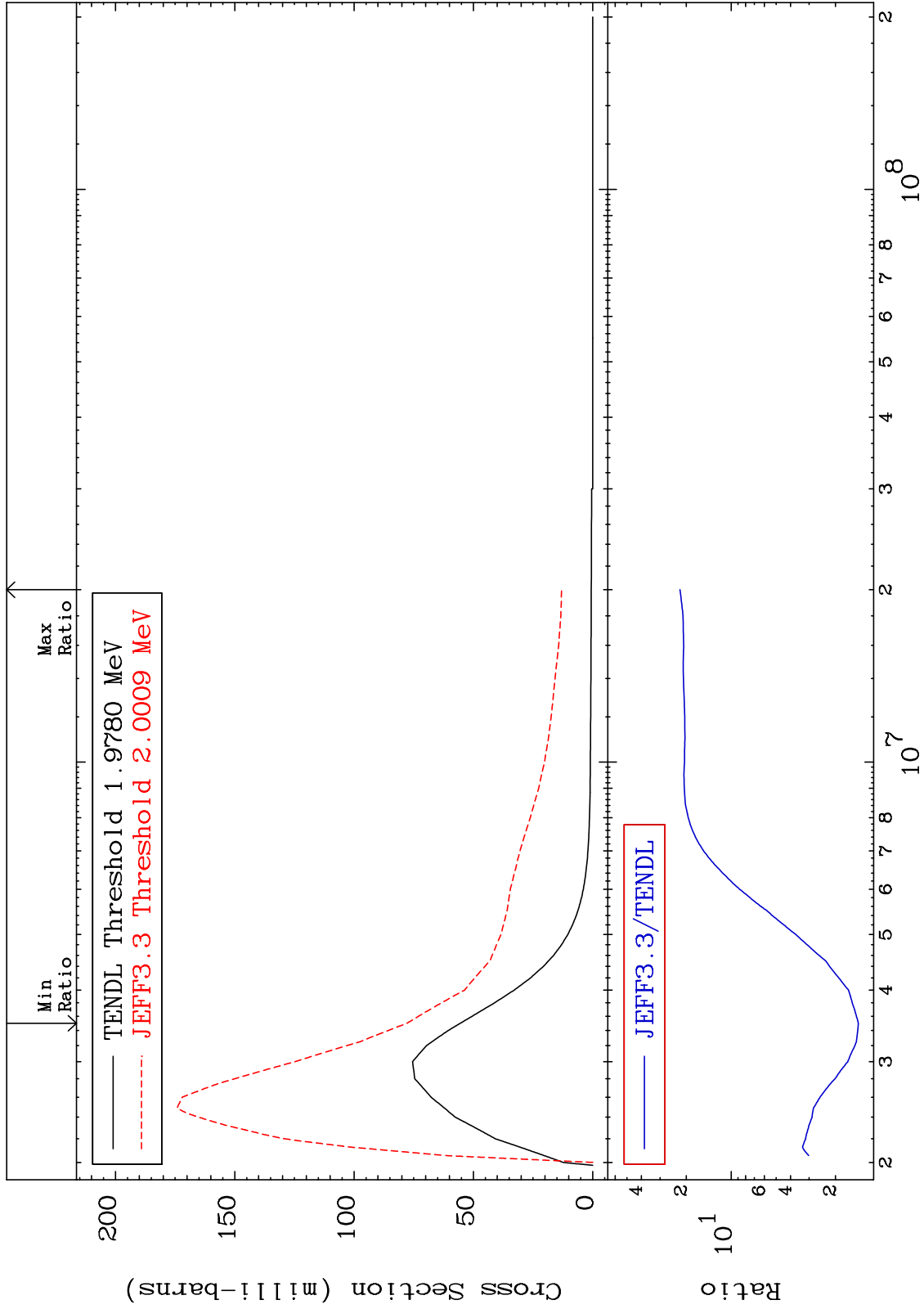
54-Xe-132  
-61.33 To 9999. %



MAT 5449

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

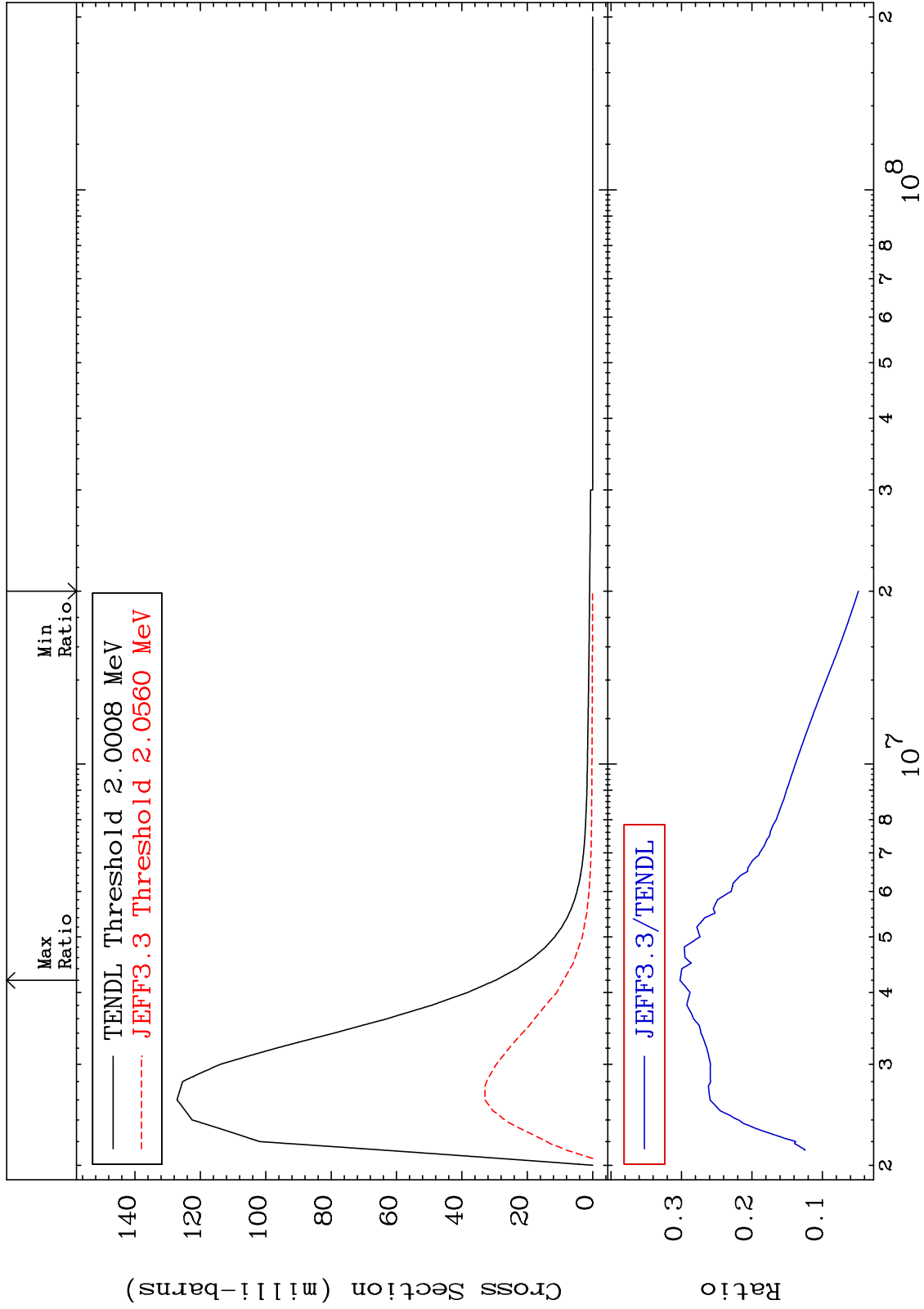
54-Xe-132  
40.20 To 2104. %



MAT 5449

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

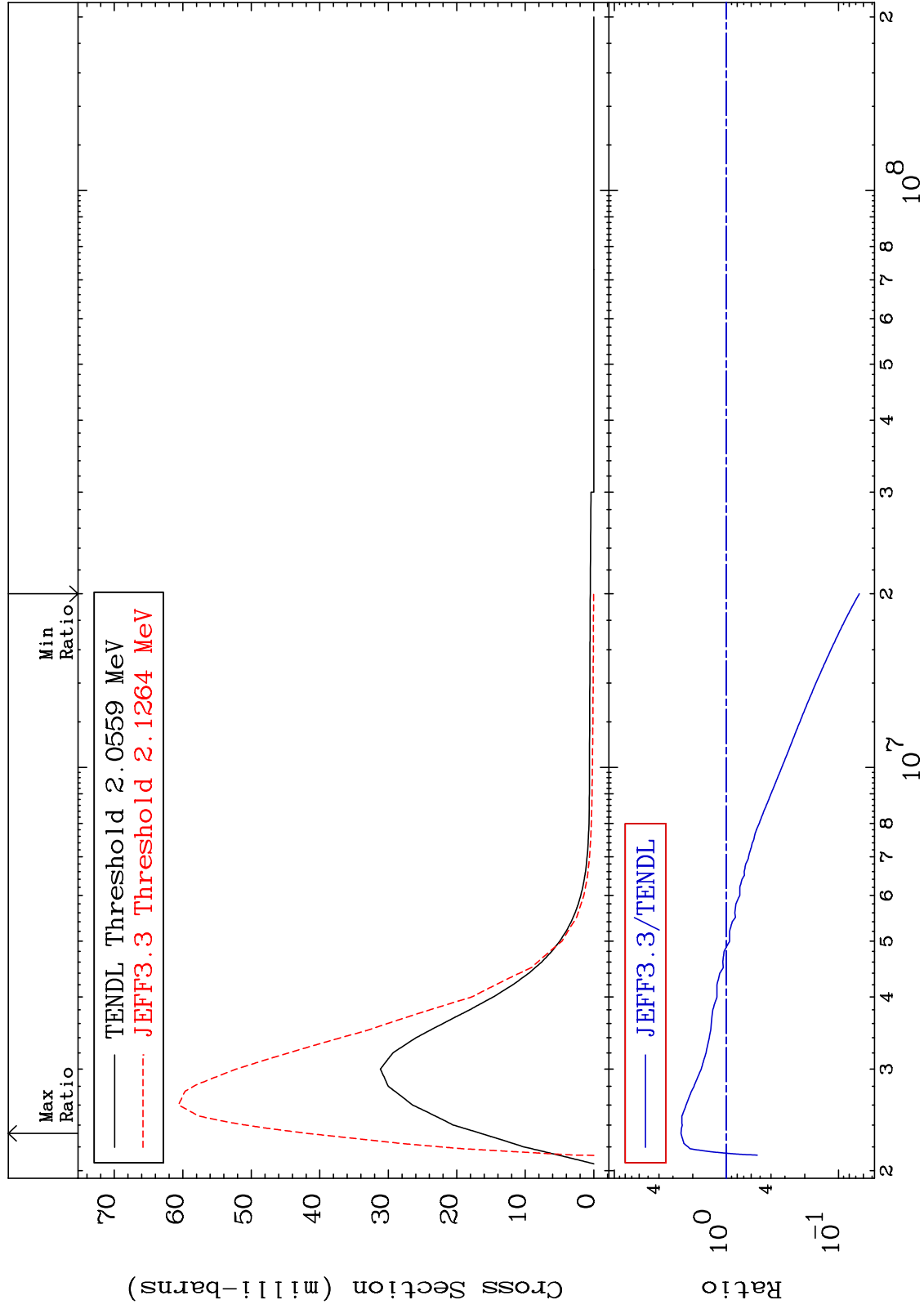
54-Xe-132  
-95.13 To -69.81%



MAT 5449

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

54-Xe-132  
-93.49 To 154.0 %



15

Incident Energy (eV)

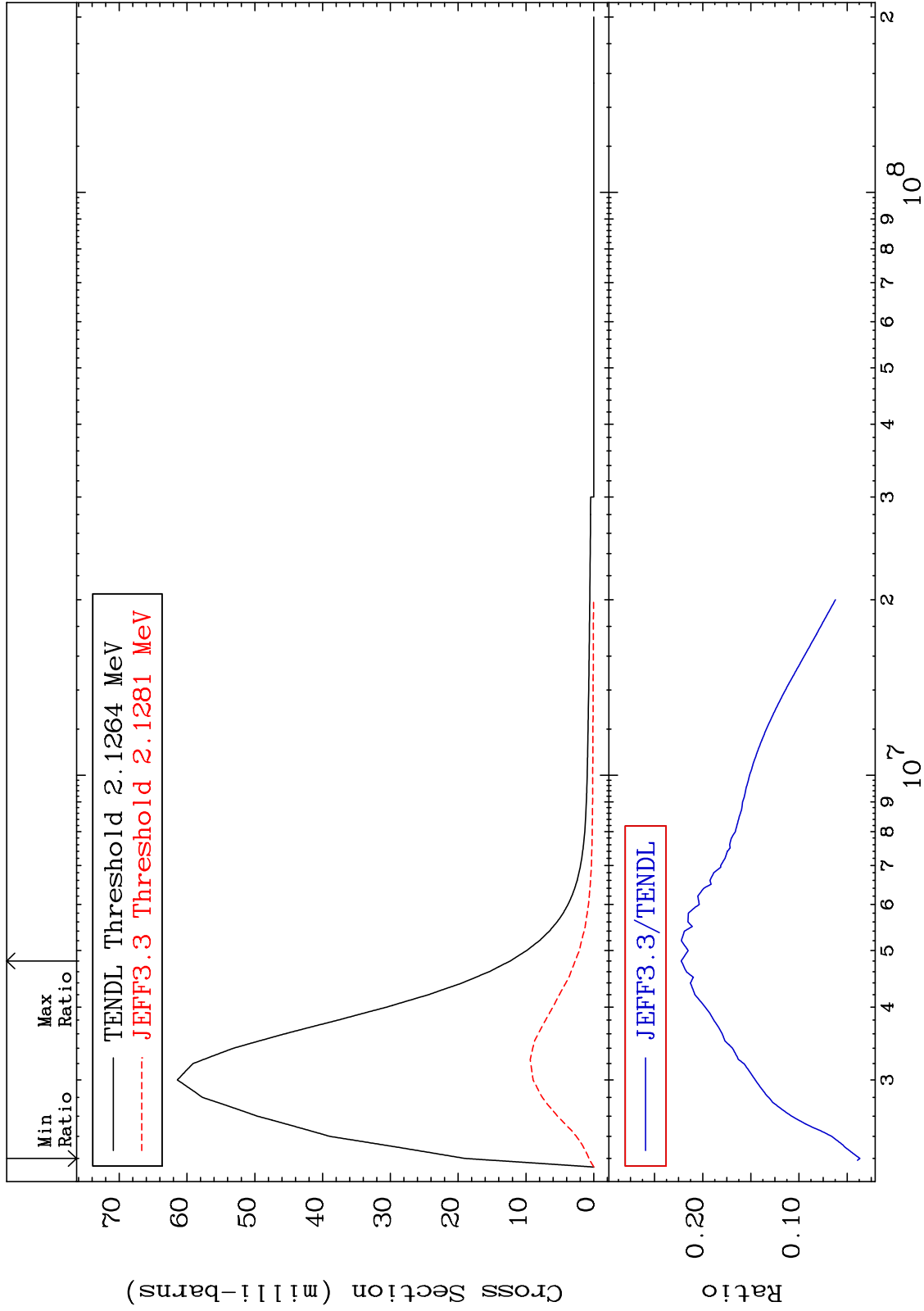
54-Xe-132



MAT 5449

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

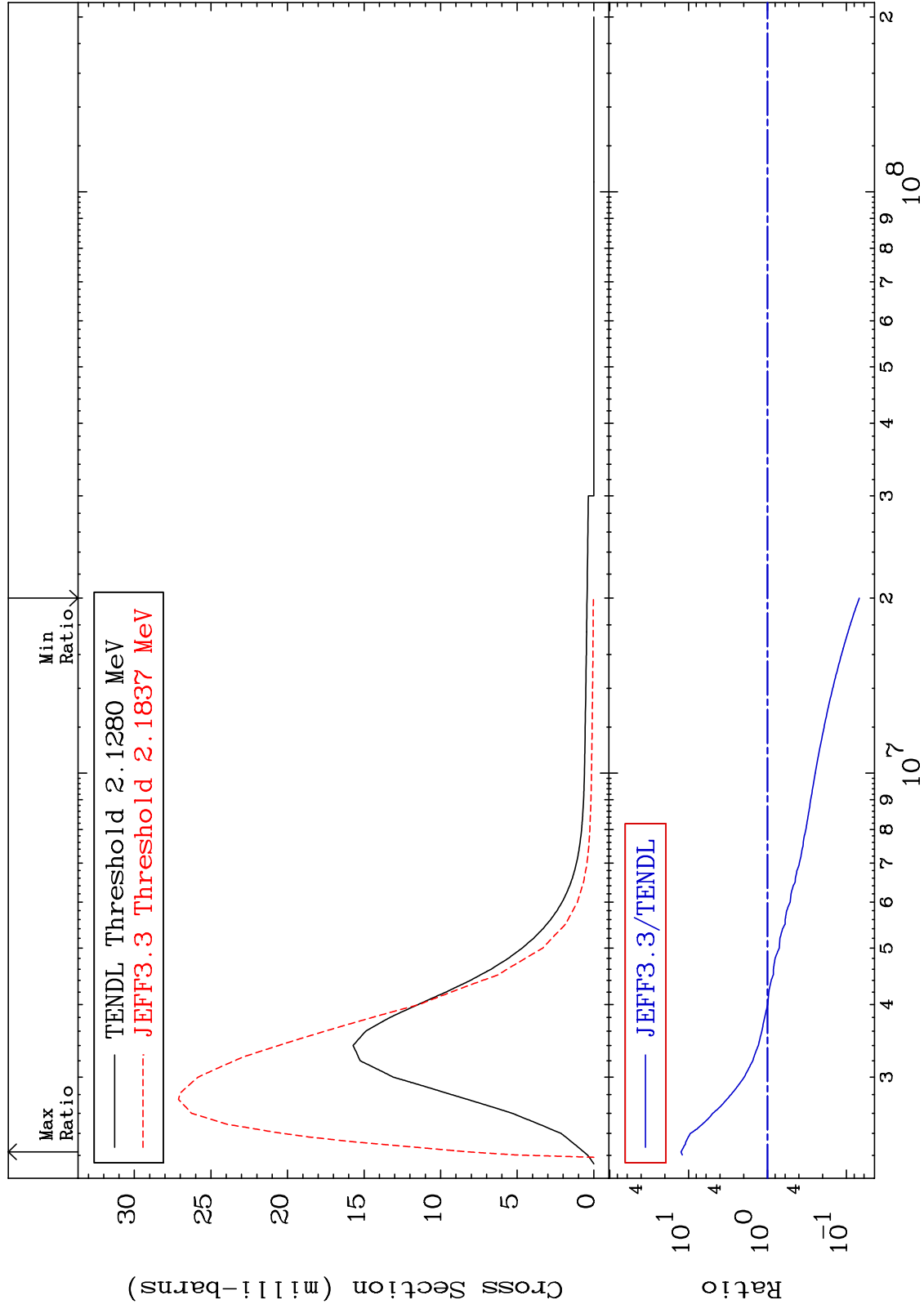
54-Xe-132  
-96.33 To -77.77%



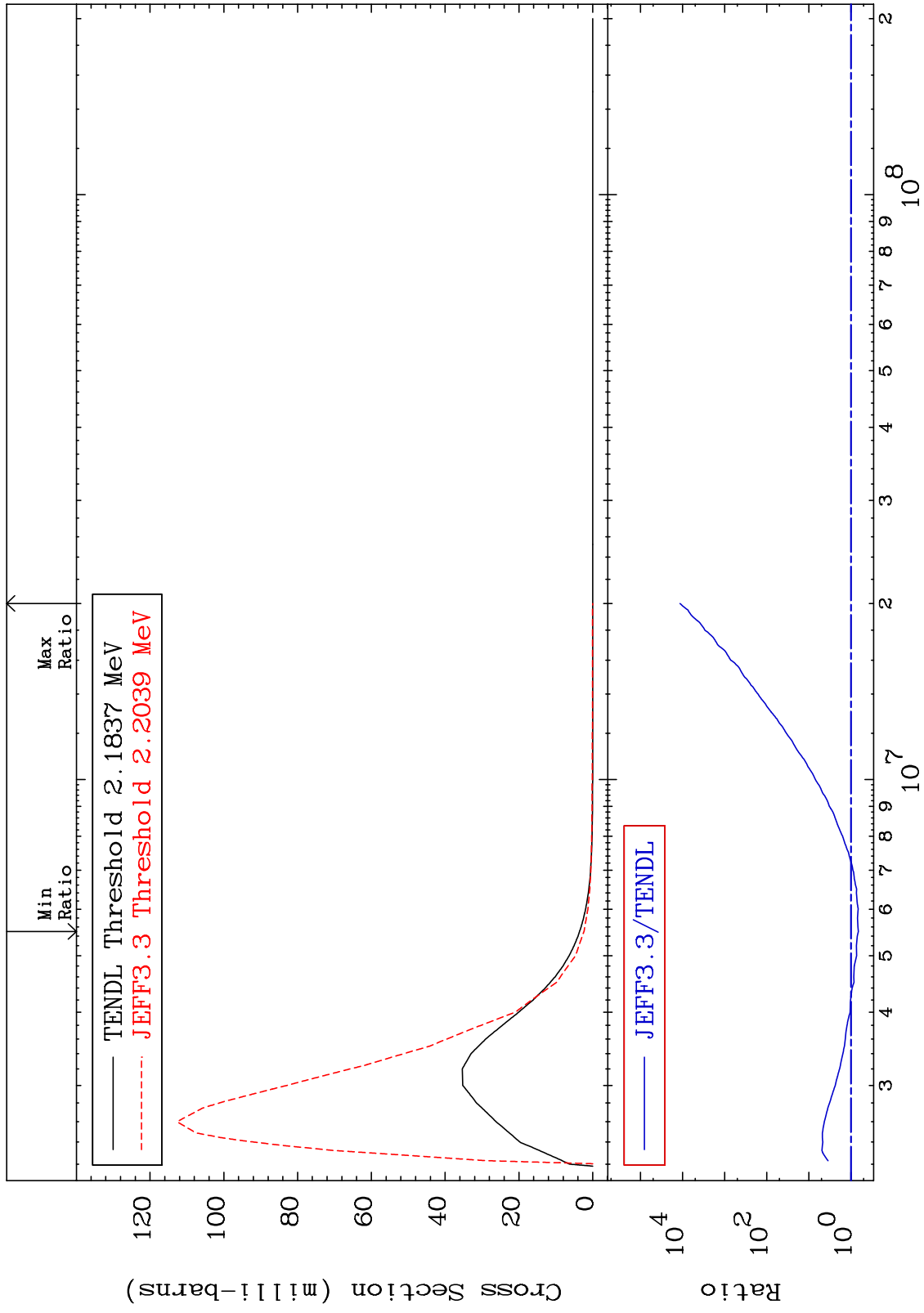
MAT 5449

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

54-Xe-132  
-93.12 To 1146. %



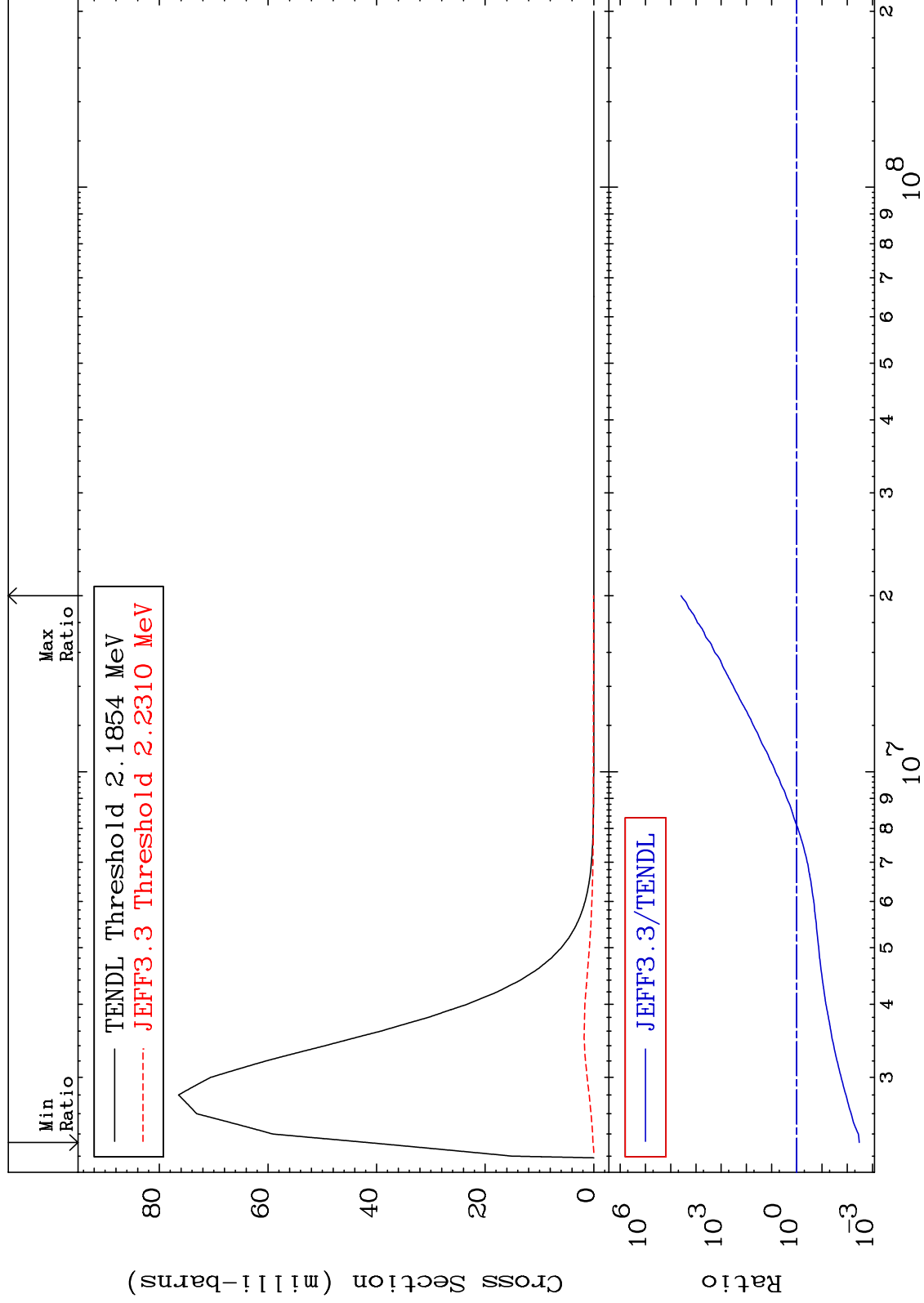
MAT 5449      MT= 61 (n,n') Level      54-Xe-132  
 Cross Section      -33.68 To 9999. %



MAT 5449

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

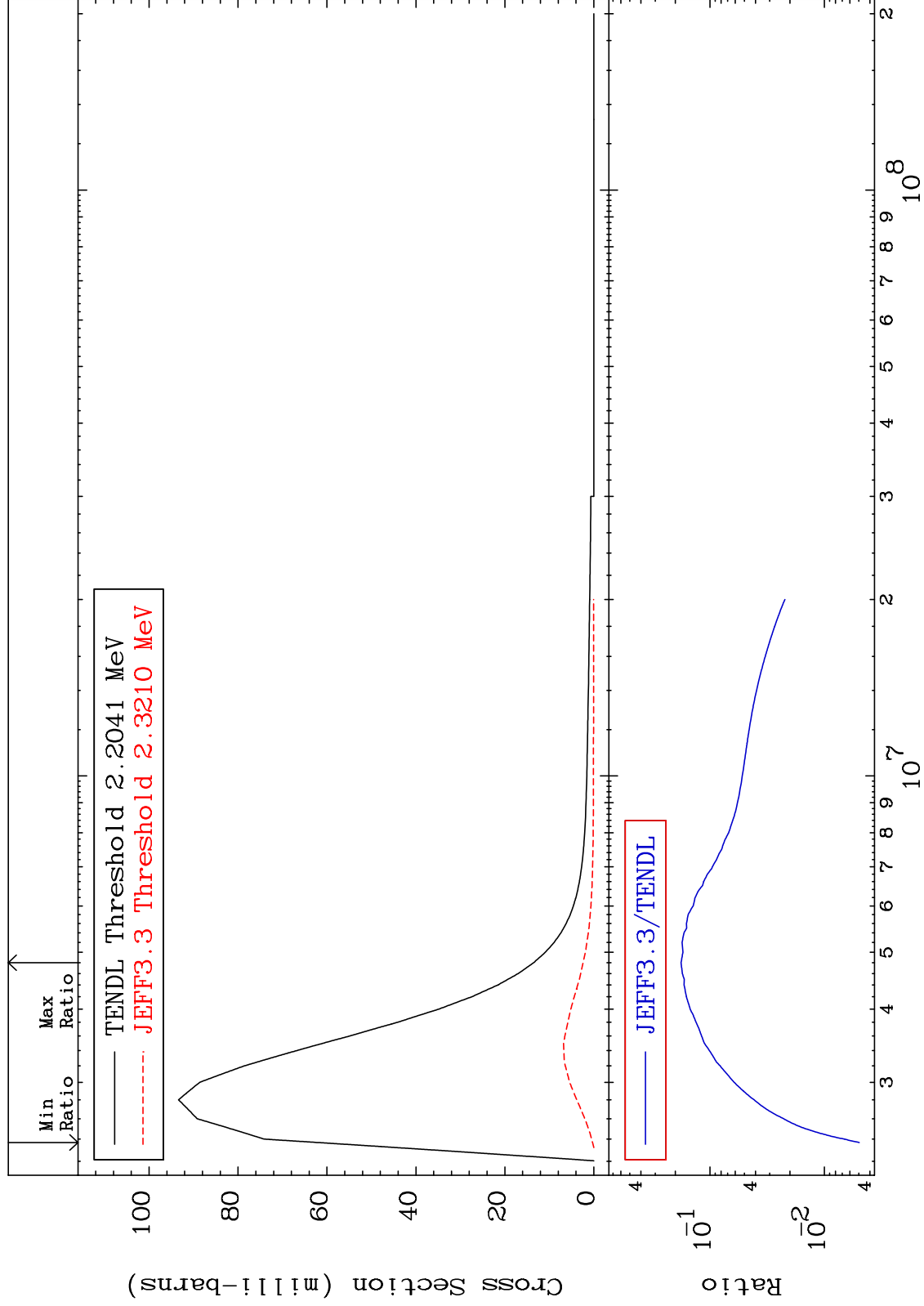
54-Xe-132  
-99.67 To 9999. %



MAT 5449

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

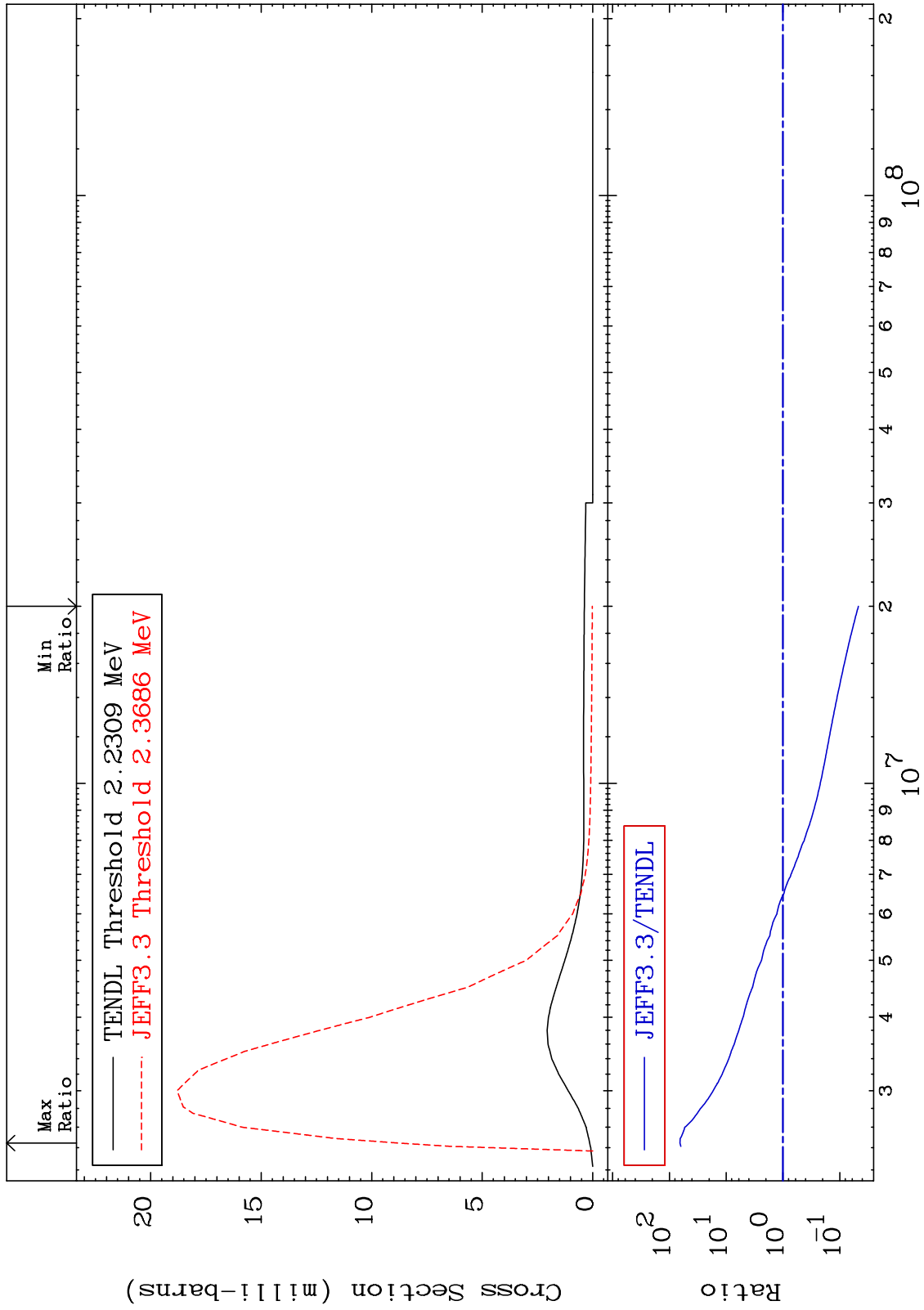
54-Xe-132  
-99.50 To -82.14%



MAT 5449

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

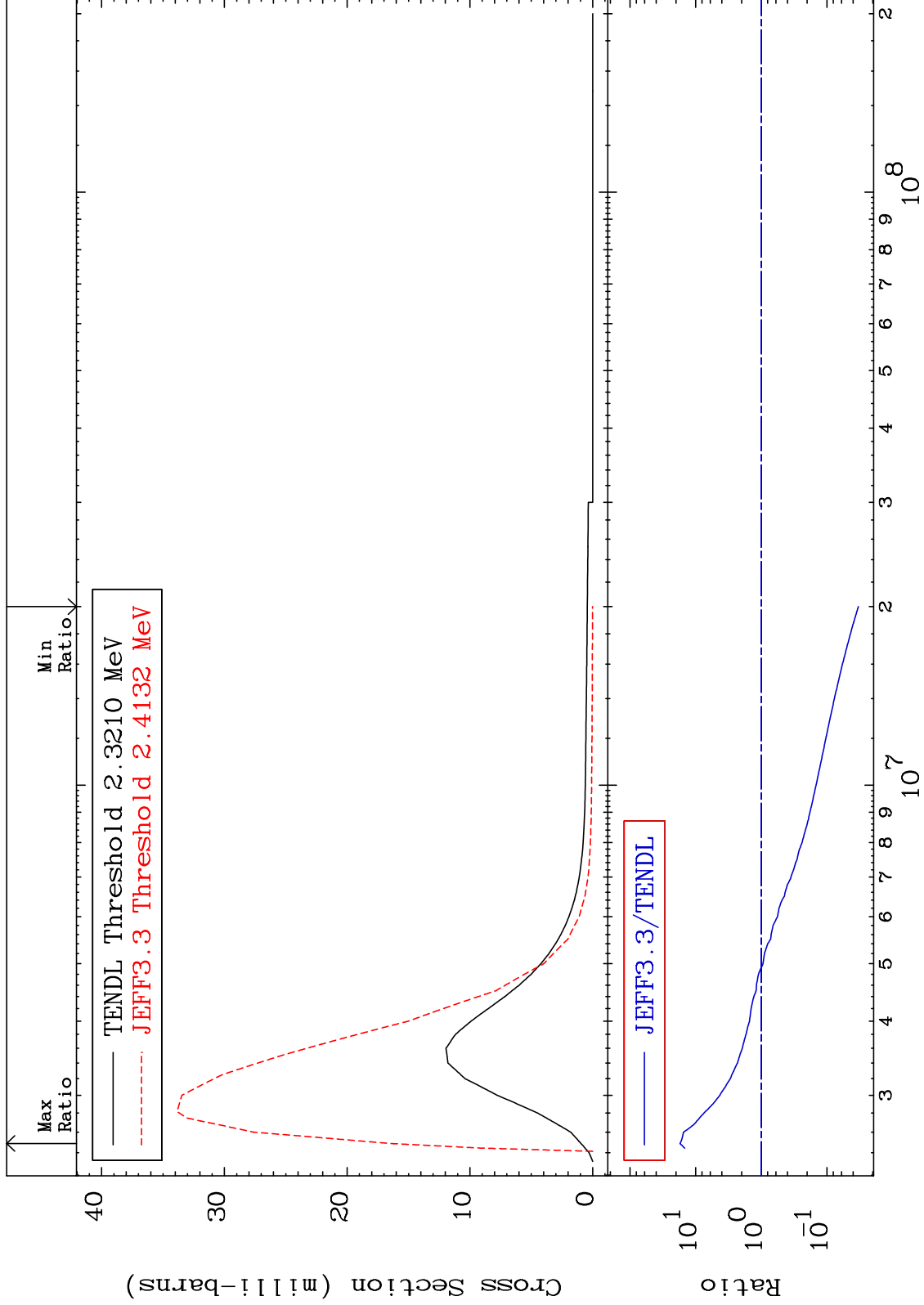
54-Xe-132  
-95.31 To 6403. %



MAT 5449

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

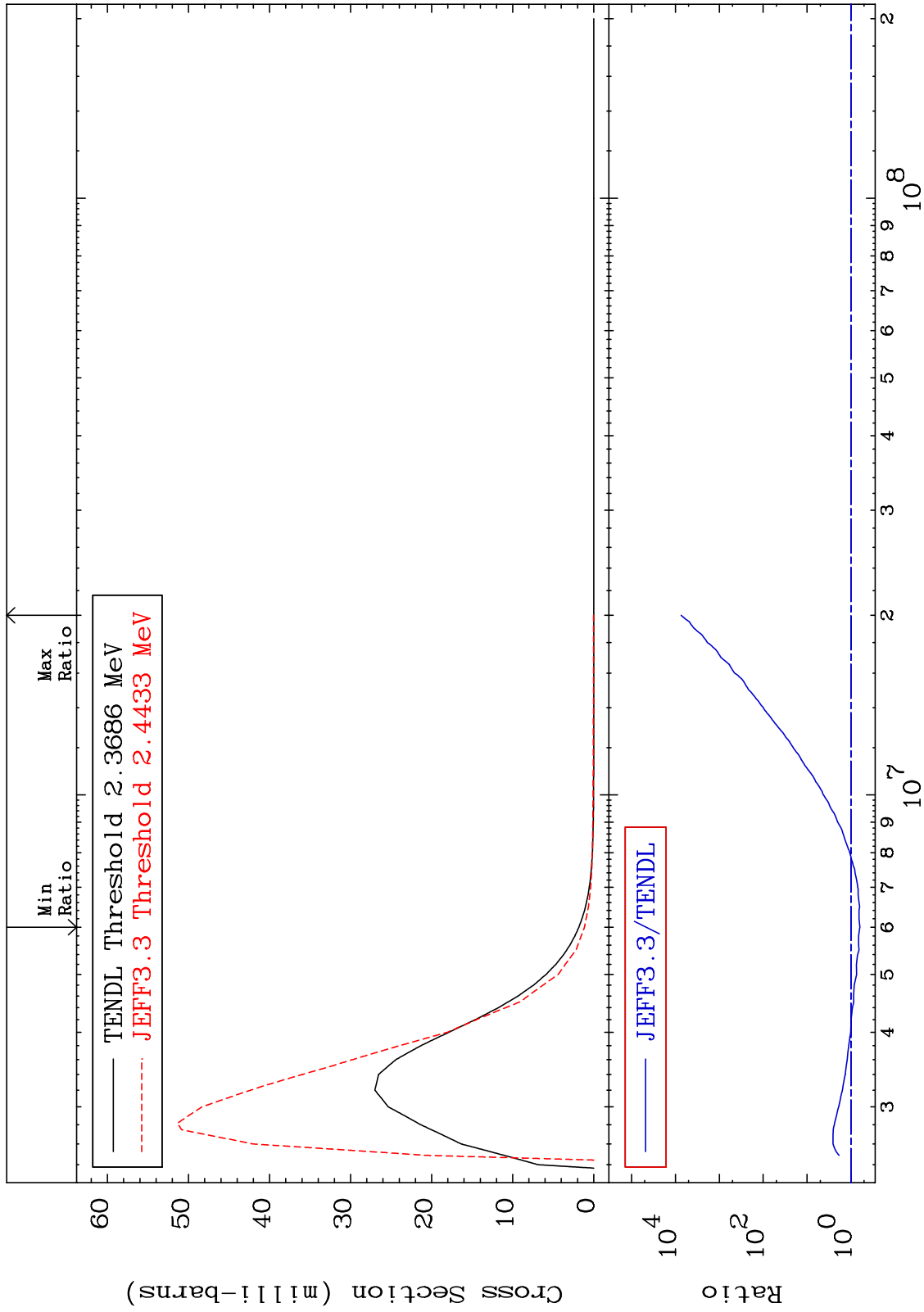
54-Xe-132  
-96.68 To 1634. %



MAT 5449

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

54-Xe-132  
-37.65 To 9999. %

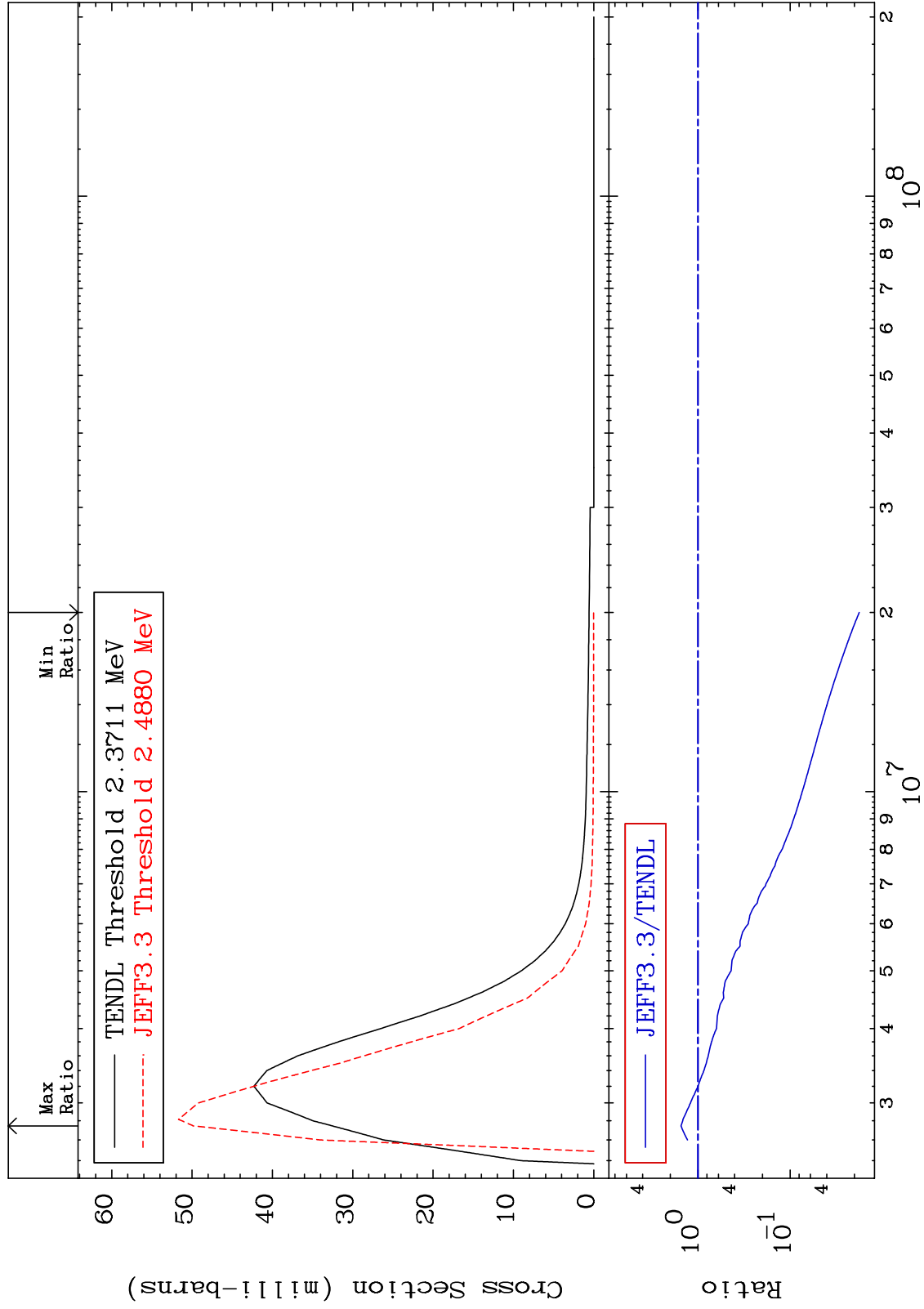




MAT 5449

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

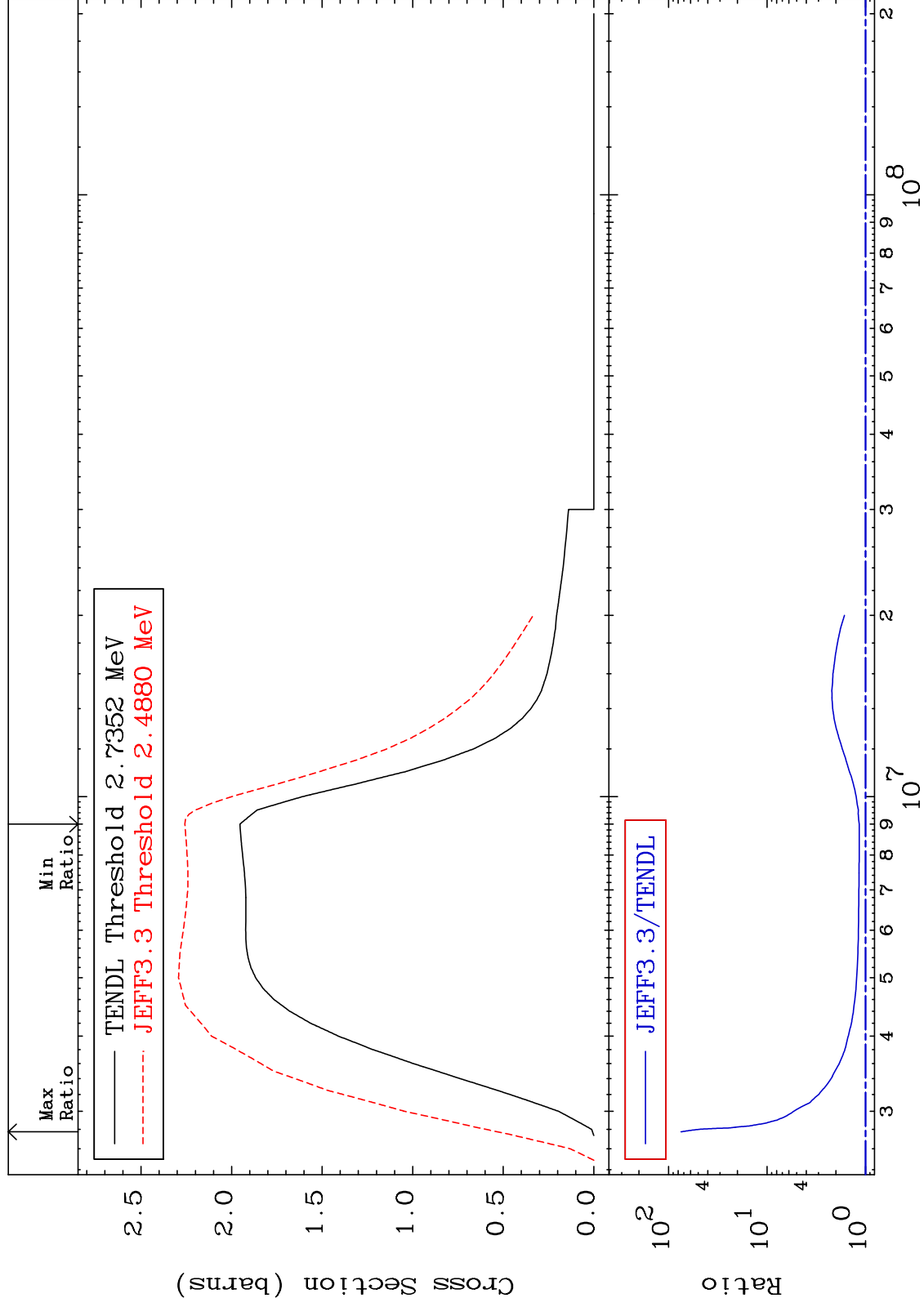
54-Xe-132  
-98.23 To 53.16 %



MAT 5449

(n, n') Continuum  
Cross Section

54-Xe-132  
15.55 To 7379. %



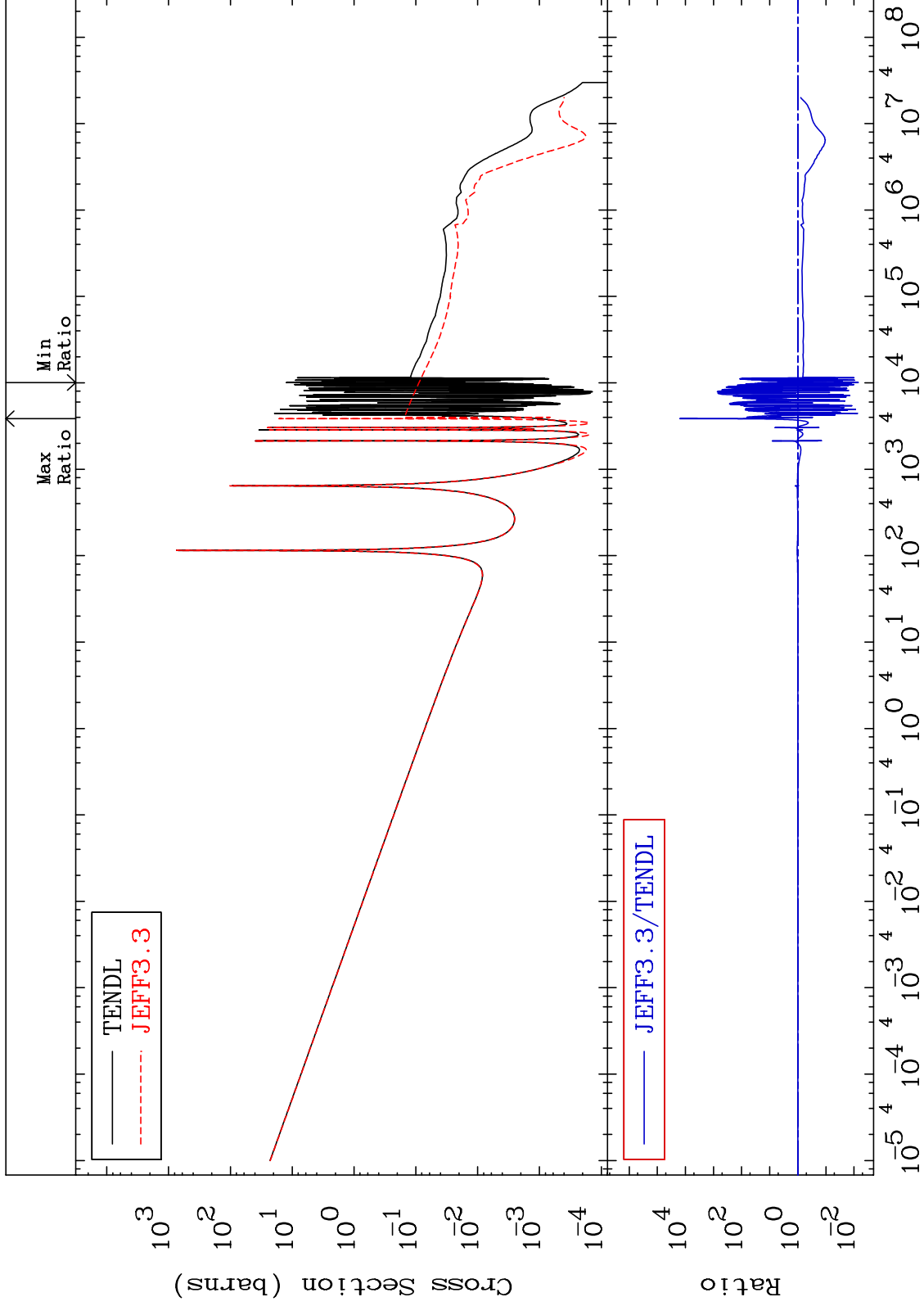
MAT 5449

(n,  $\gamma$ )

54-Xe-132

Cross Section

-99.30 To 9999. %



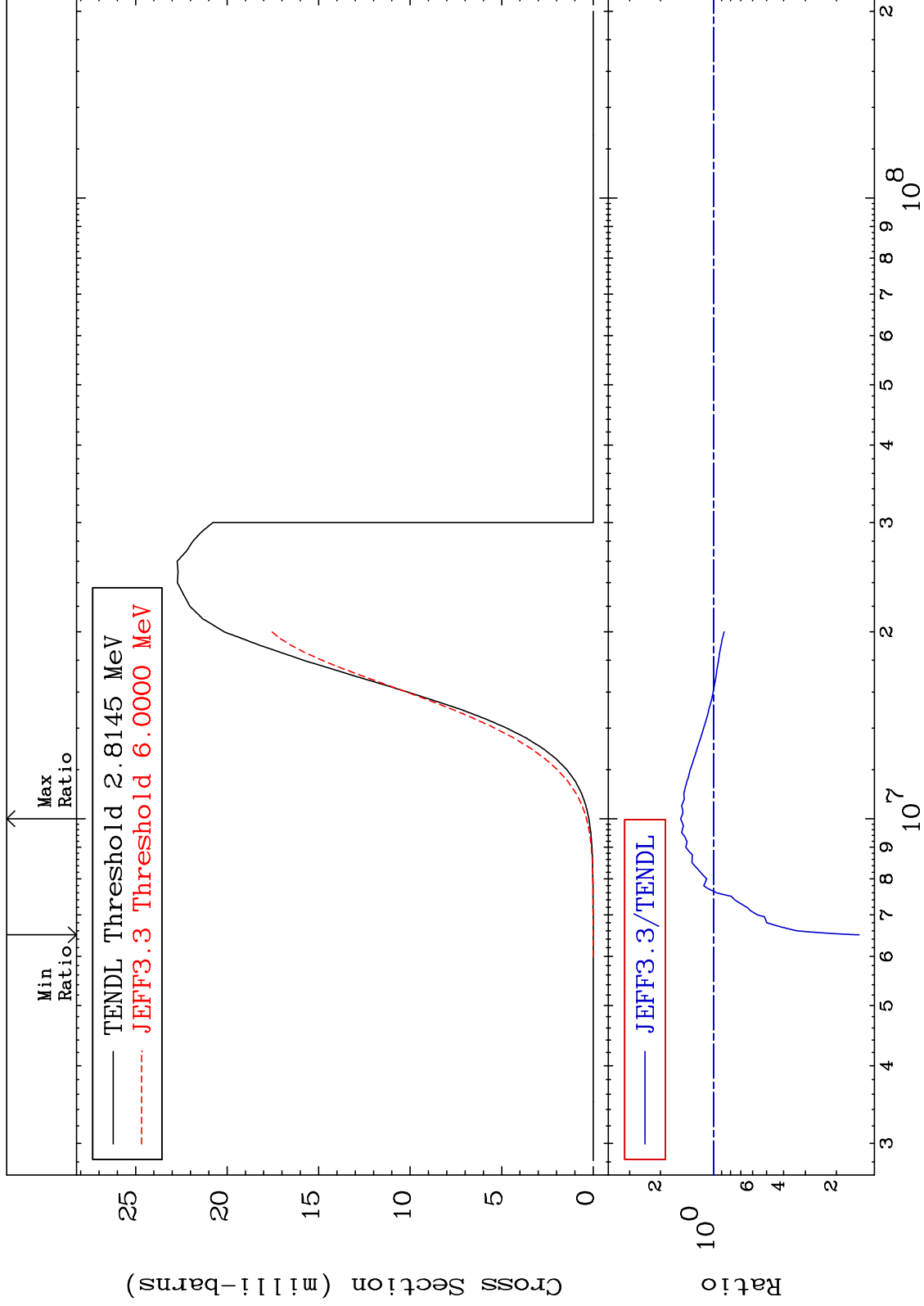
MAT 5449

(n, p)

54-Xe-132

Cross Section

-85.14 To 53.83 %



27

Incident Energy (eV)

54-Xe-132

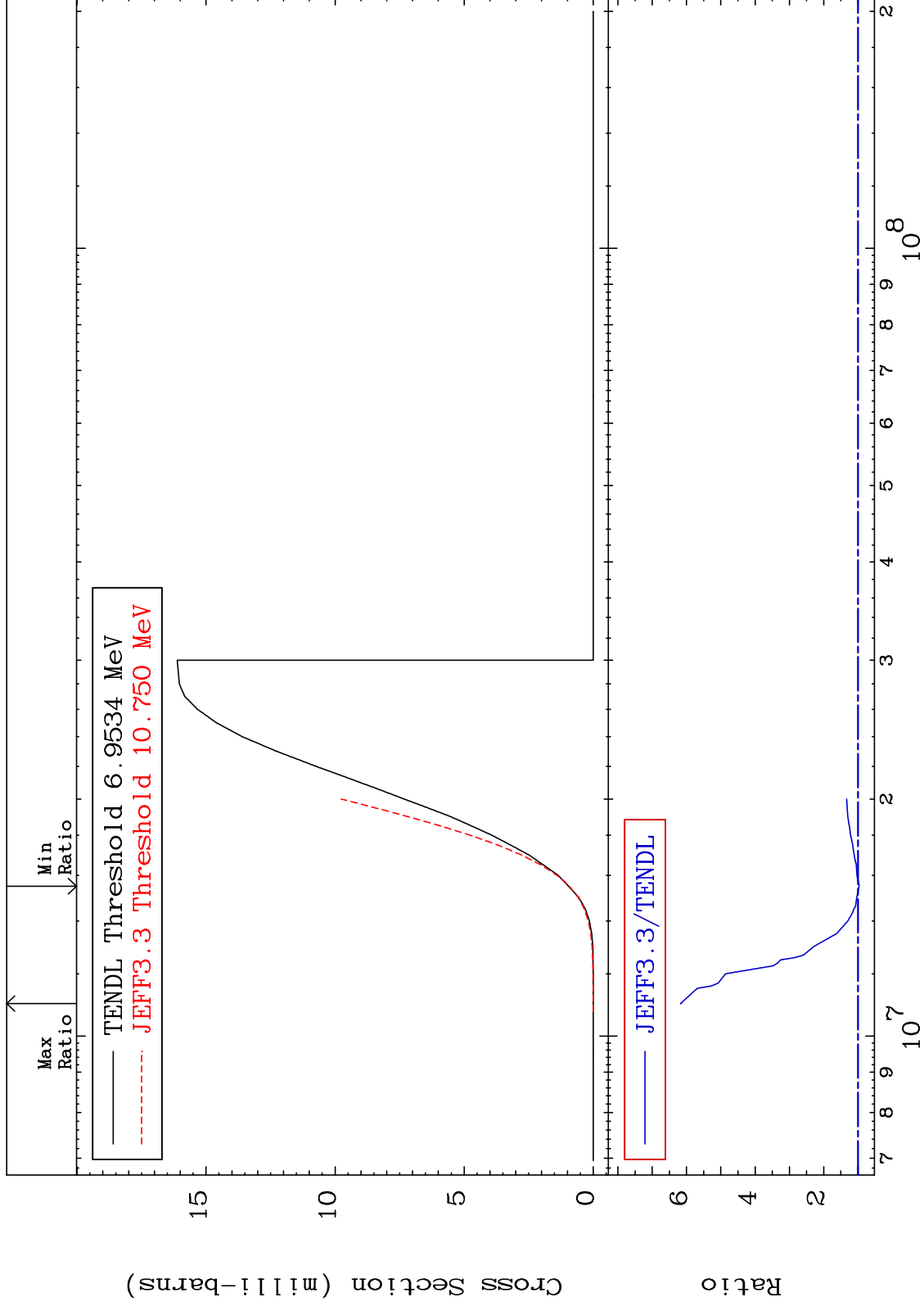
MAT 5449

(n, d)

54-Xe-132

Cross Section

-3.351 To 517.1 %



28

Incident Energy (eV)

54-Xe-132

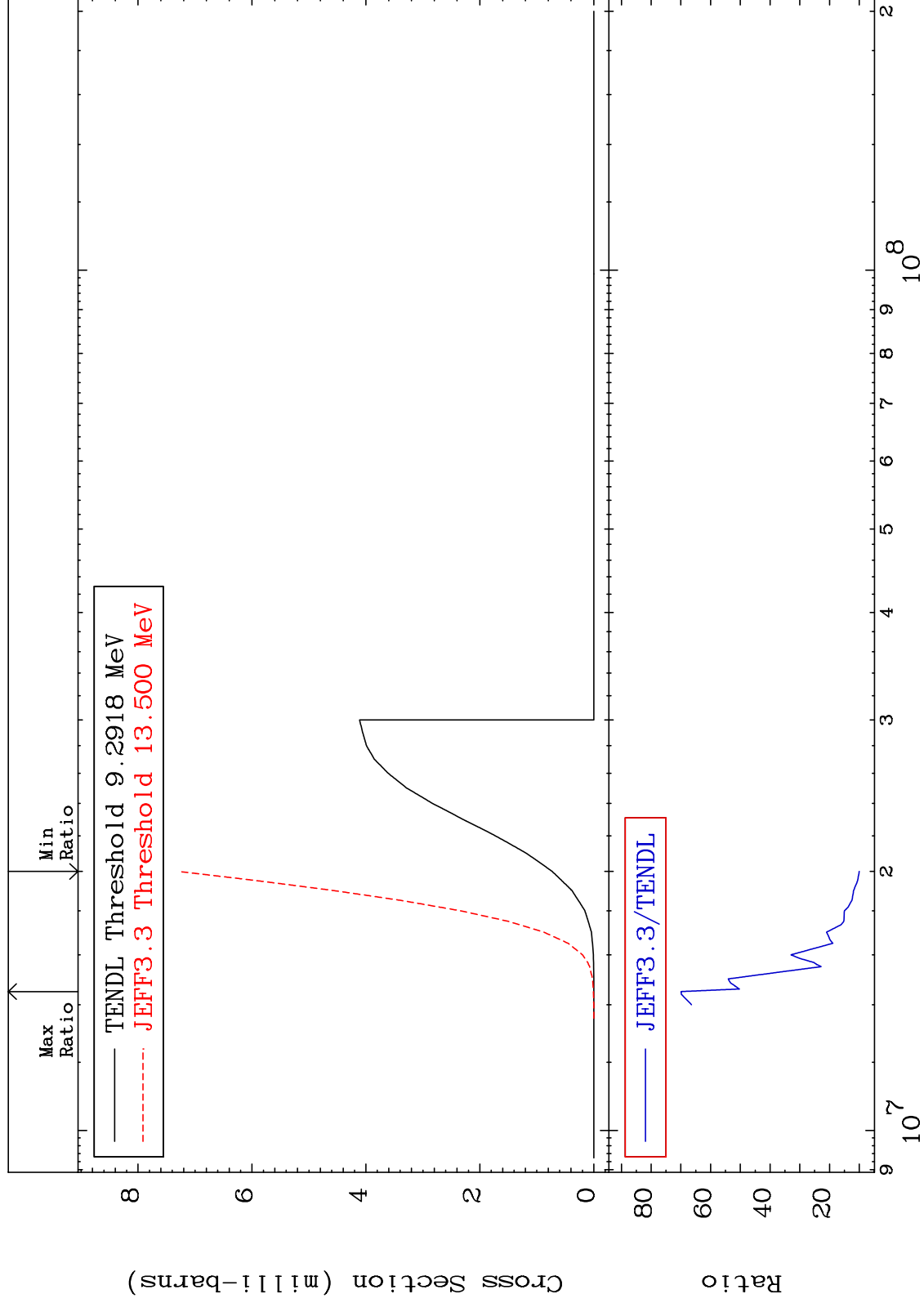
MAT 5449

(n, t)

54-Xe-132

Cross Section

897.8 To 6894. %



29

Incident Energy (eV)

54-Xe-132

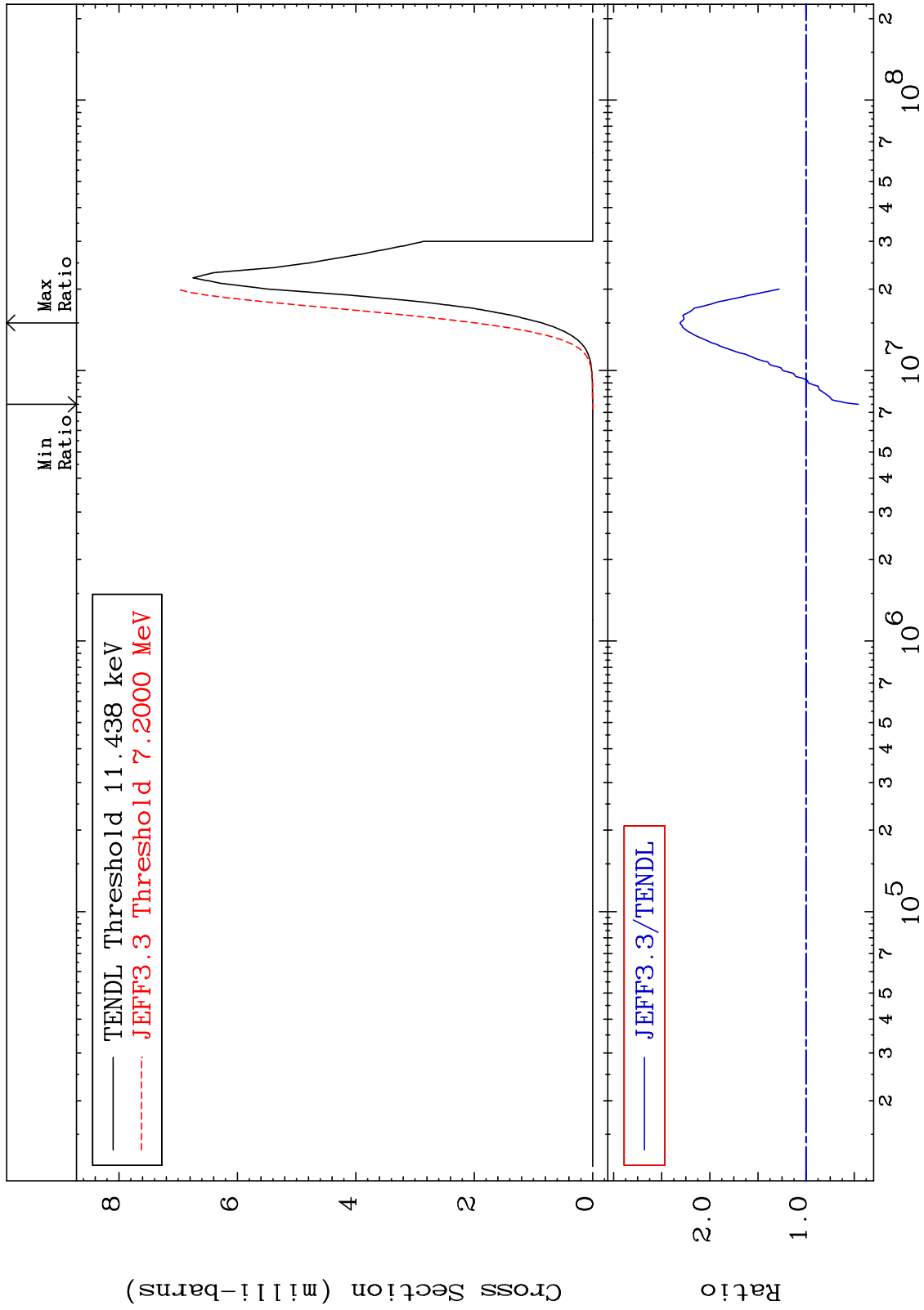
MAT 5449

(n,  $\alpha$ )

54-Xe-132

Cross Section

-54.40 To 131.0 %



30

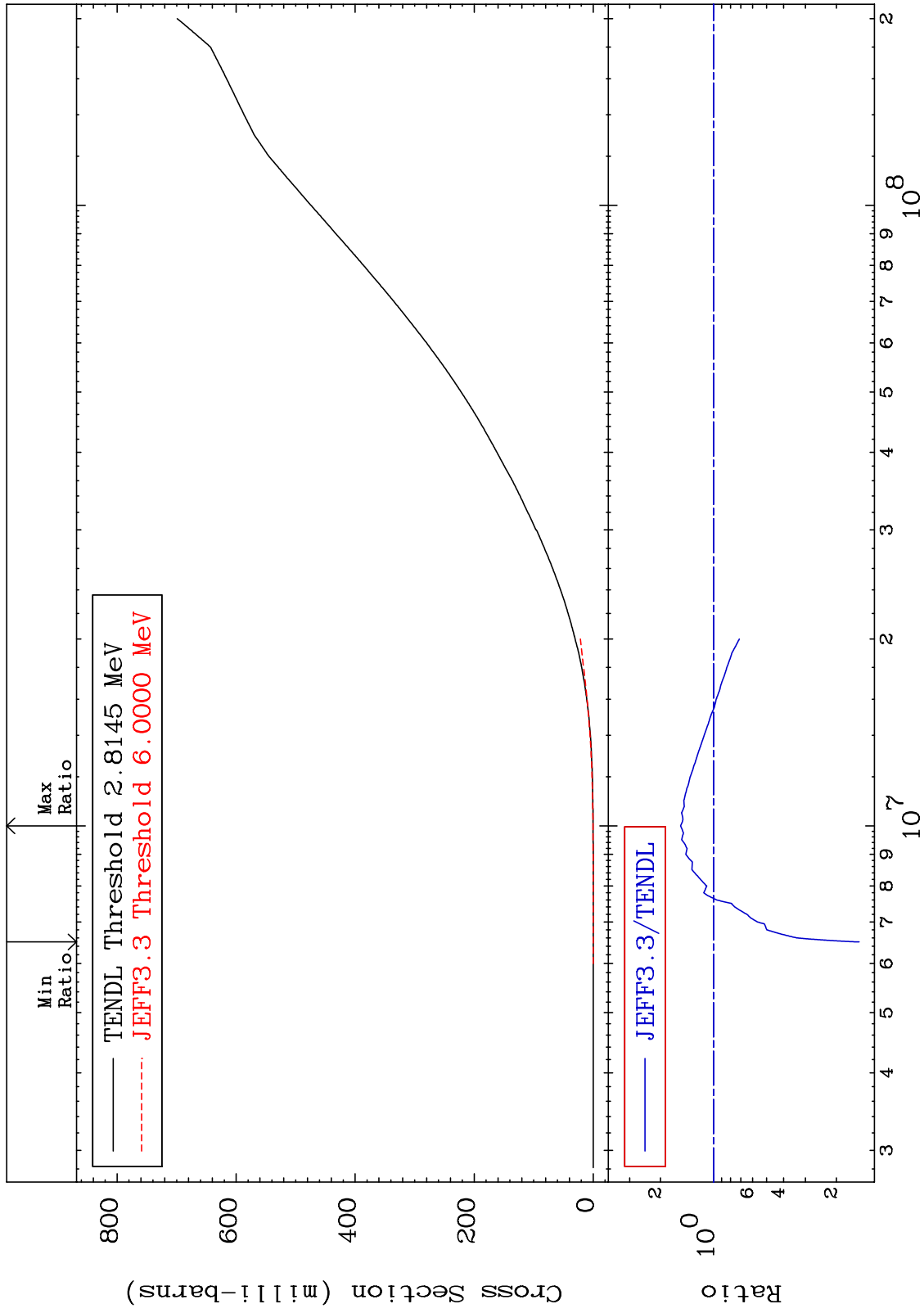
Incident Energy (eV)

54-Xe-132

MAT 5449

Hydrogen Production  
Cross Section

54-Xe-132  
-85.14 To 53.83 %

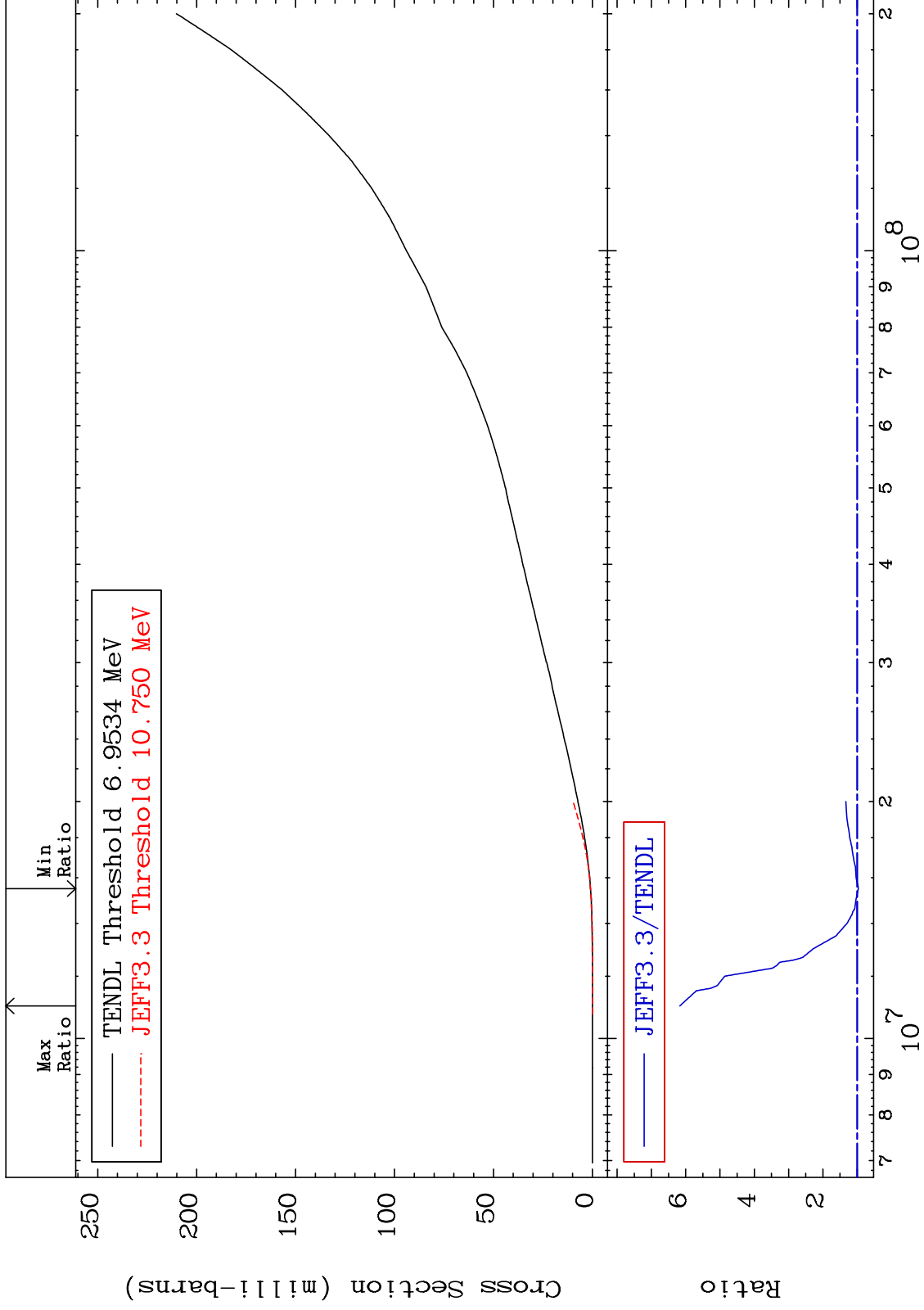




MAT 5449

Deuterium Production  
Cross Section

54-Xe-132  
-3.351 To 517.1 %



32

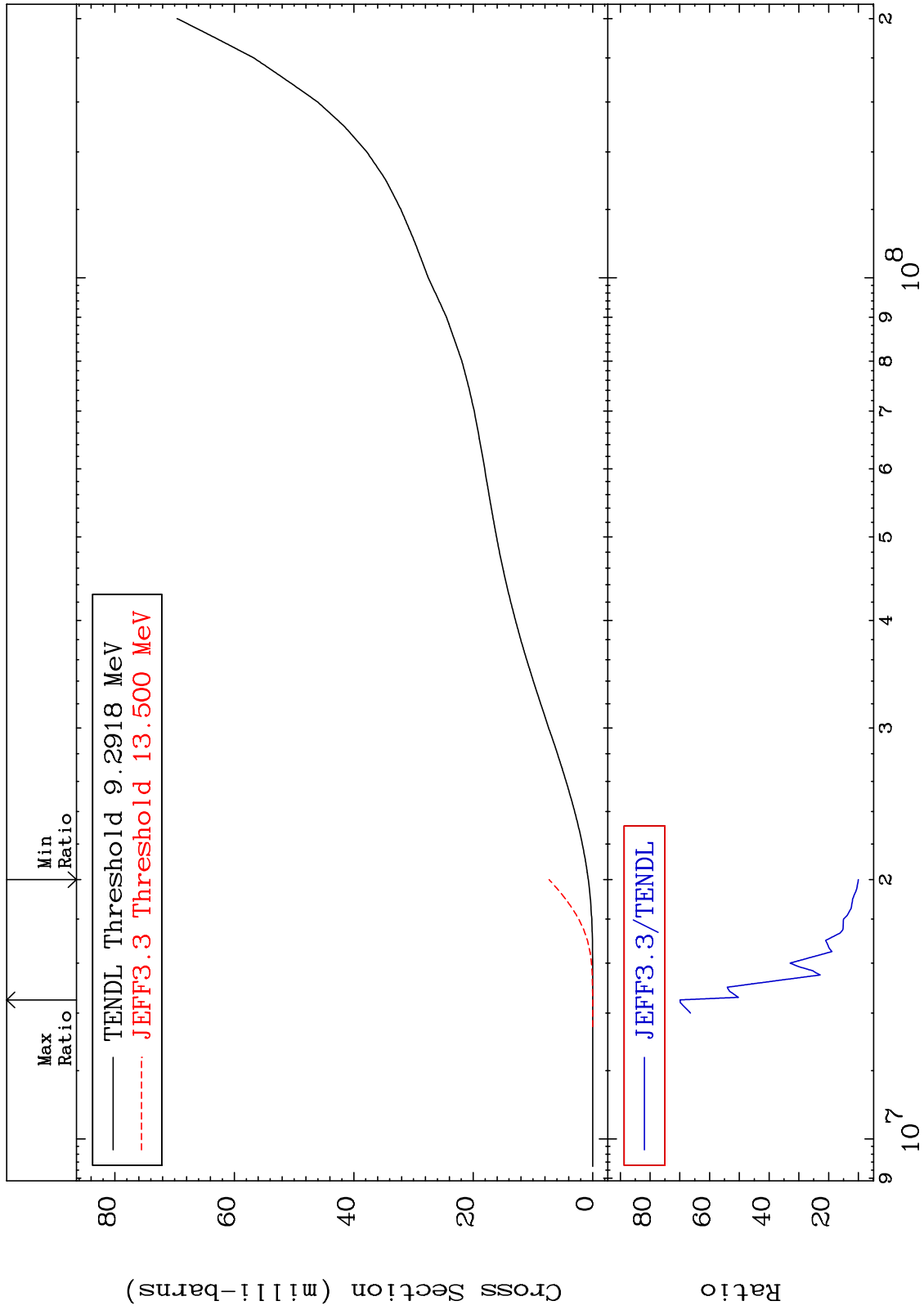
Incident Energy (eV)

54-Xe-132

MAT 5449

Tritium Production  
Cross Section

54-Xe-132  
897.8 To 6894. %



33

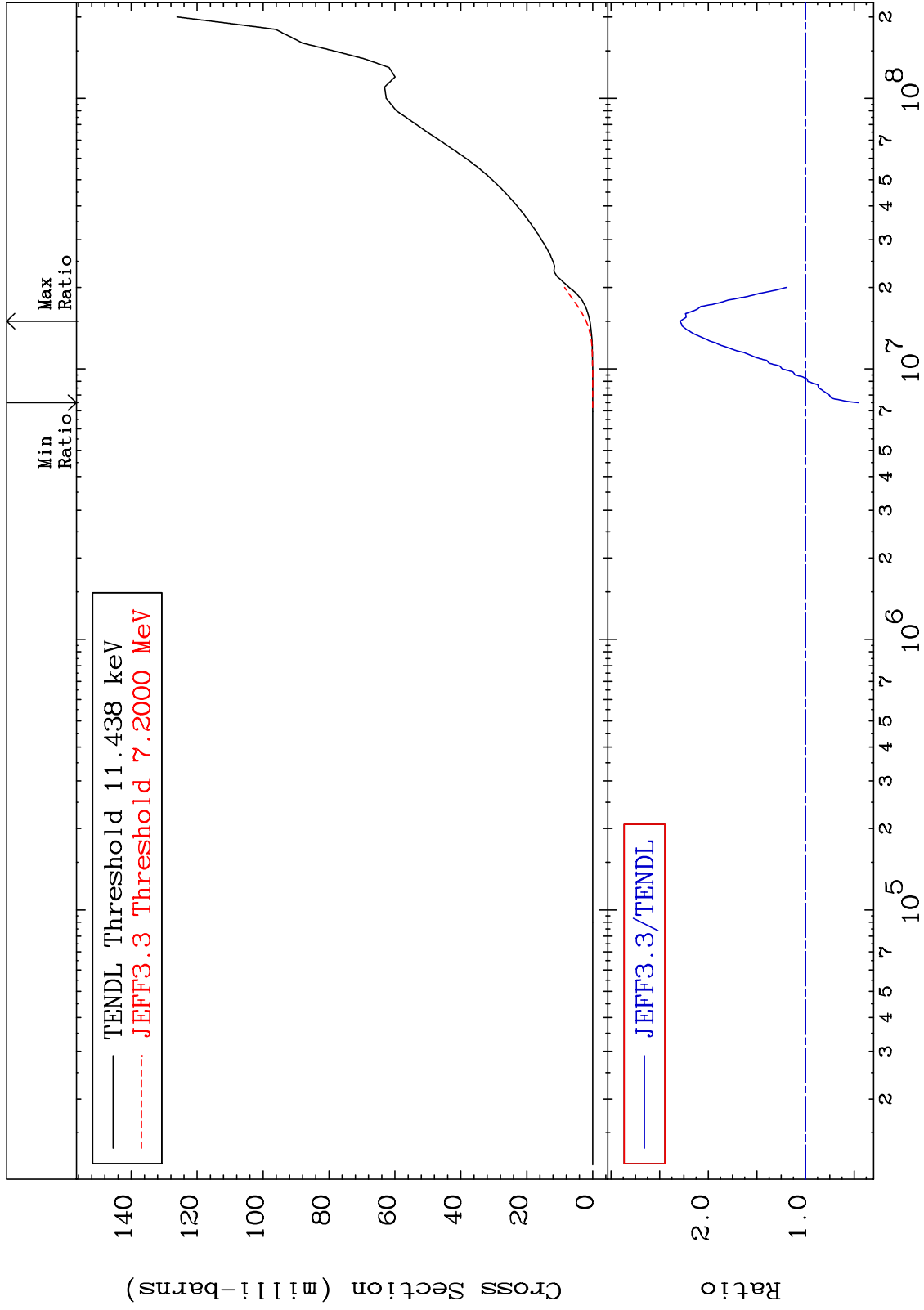
Incident Energy (eV)

54-Xe-132

MAT 5449

He-4 Production  
Cross Section

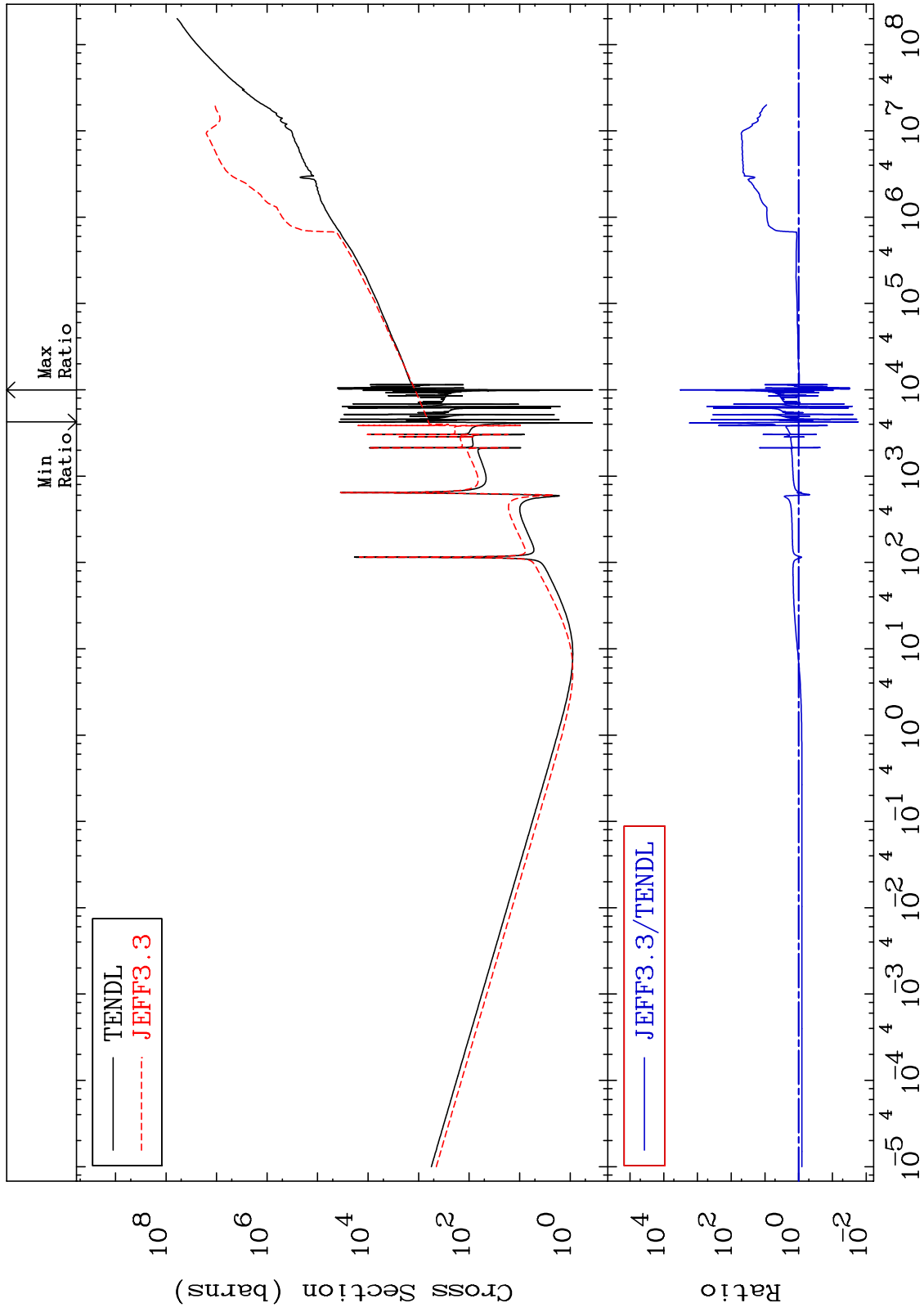
54-Xe-132  
-54.40 To 129.1 %



MAT 5449

Kerma total (eV-barns)  
Cross Section

54-Xe-132  
-98.30 To 9999. %



35

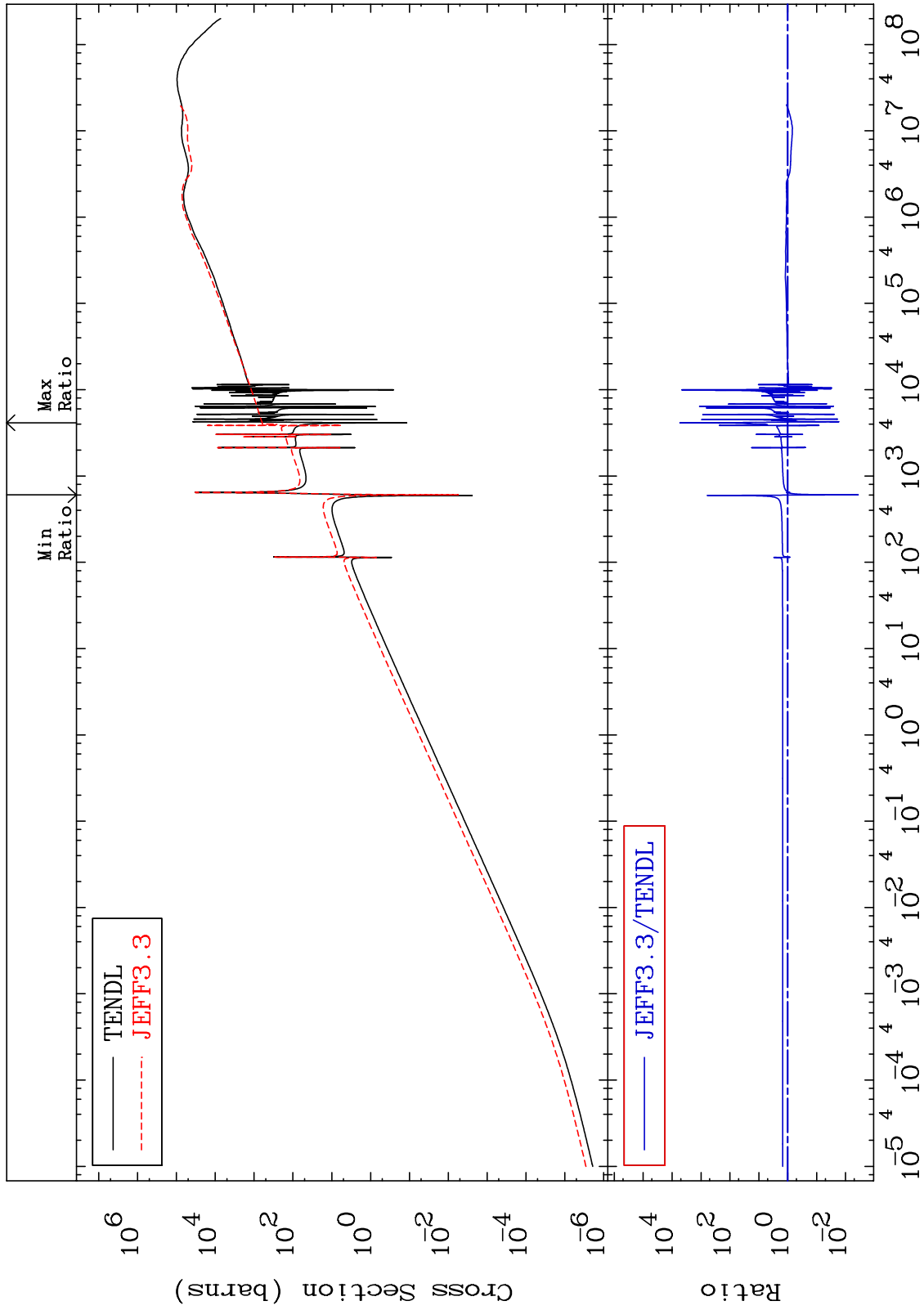
Incident Energy (eV)

54-Xe-132

MAT 5449

Kerma elastic  
Cross Section

54-Xe-132  
-99.64 To 9999. %



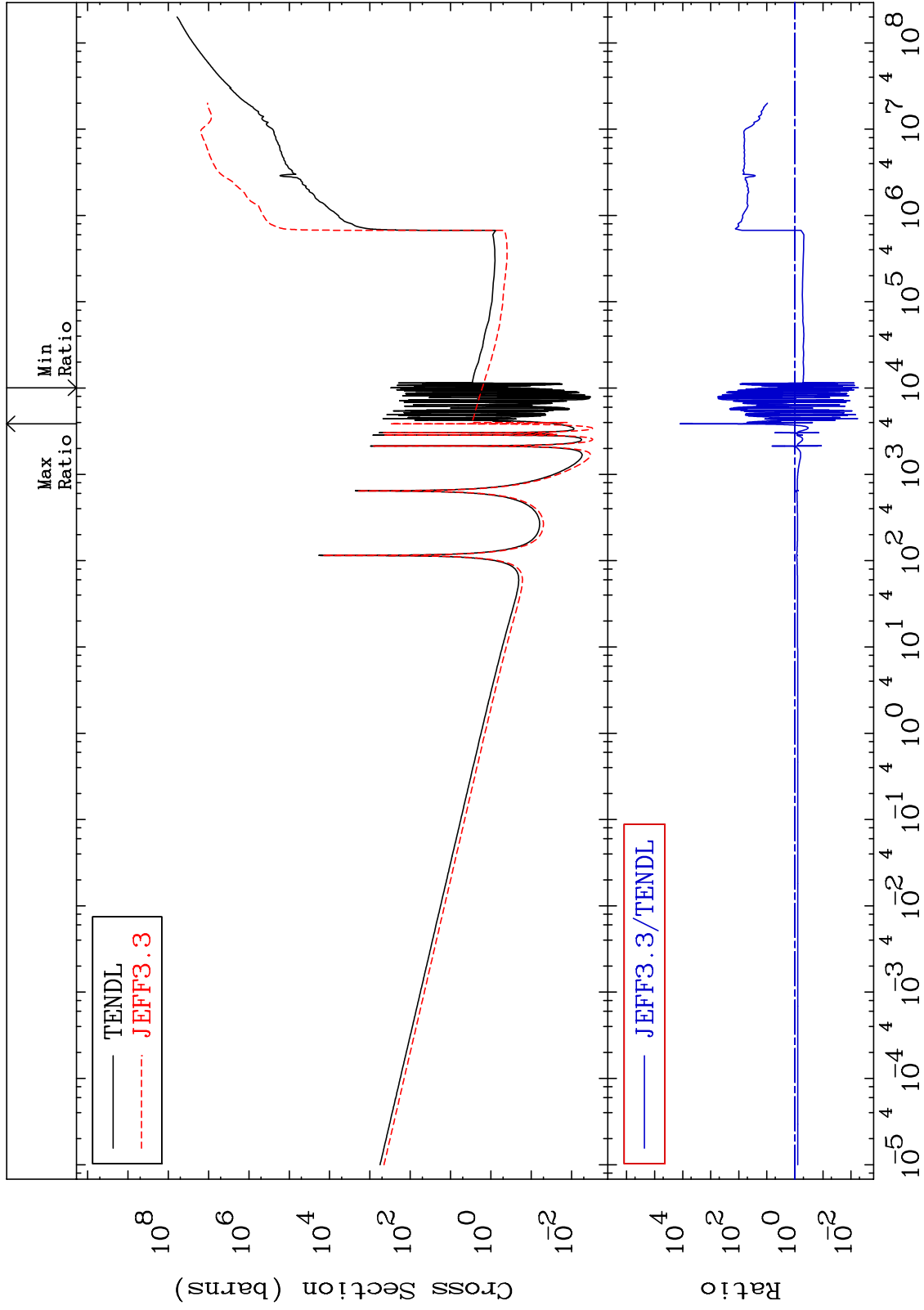
— TENDL  
- - - JEFF3.3

— JEFF3.3/TENDL

MAT 5449

Kerma non-elastic (all but mt2)  
Cross Section

54-Xe-132  
-99.46 To 9999. %



37

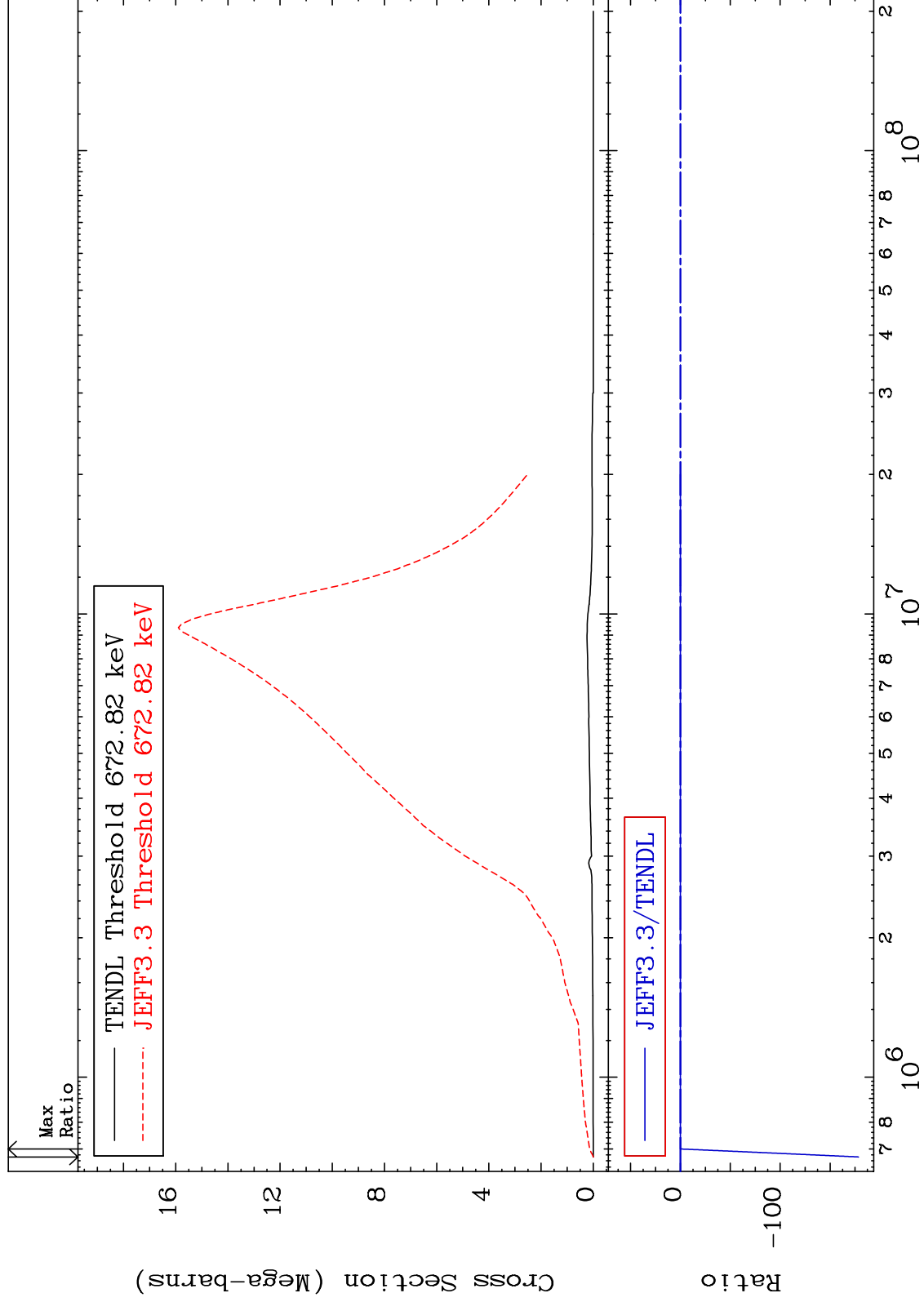
54-Xe-132

54-Xe-132

MAT 5449

Kerma inelastic (mt51-91)  
Cross Section

54-Xe-132  
-9999. To 9999. %



38

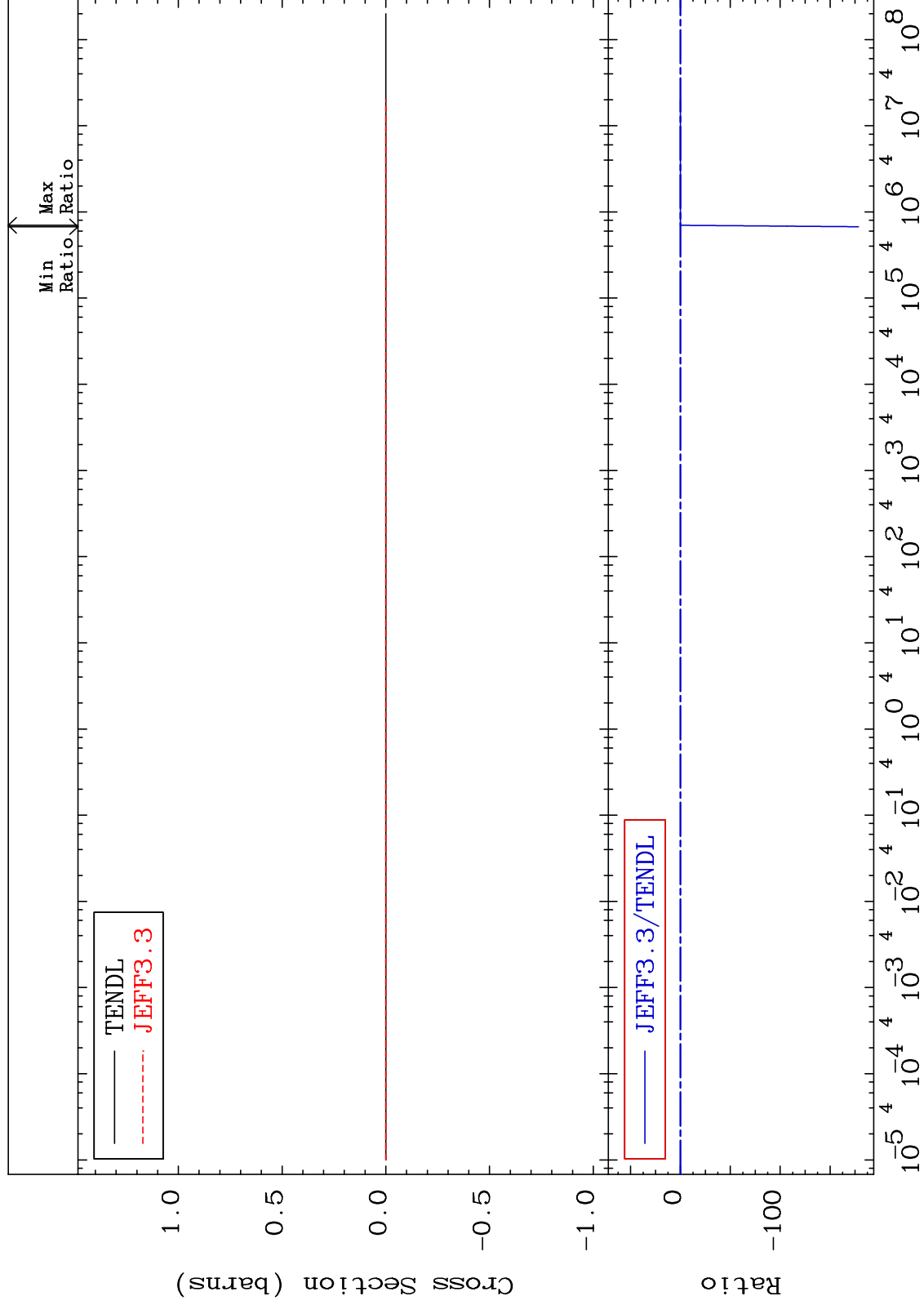
Incident Energy (eV)

54-Xe-132

MAT 5449

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

54-Xe-132  
-9999. To 9999. %



39

Incident Energy (eV)

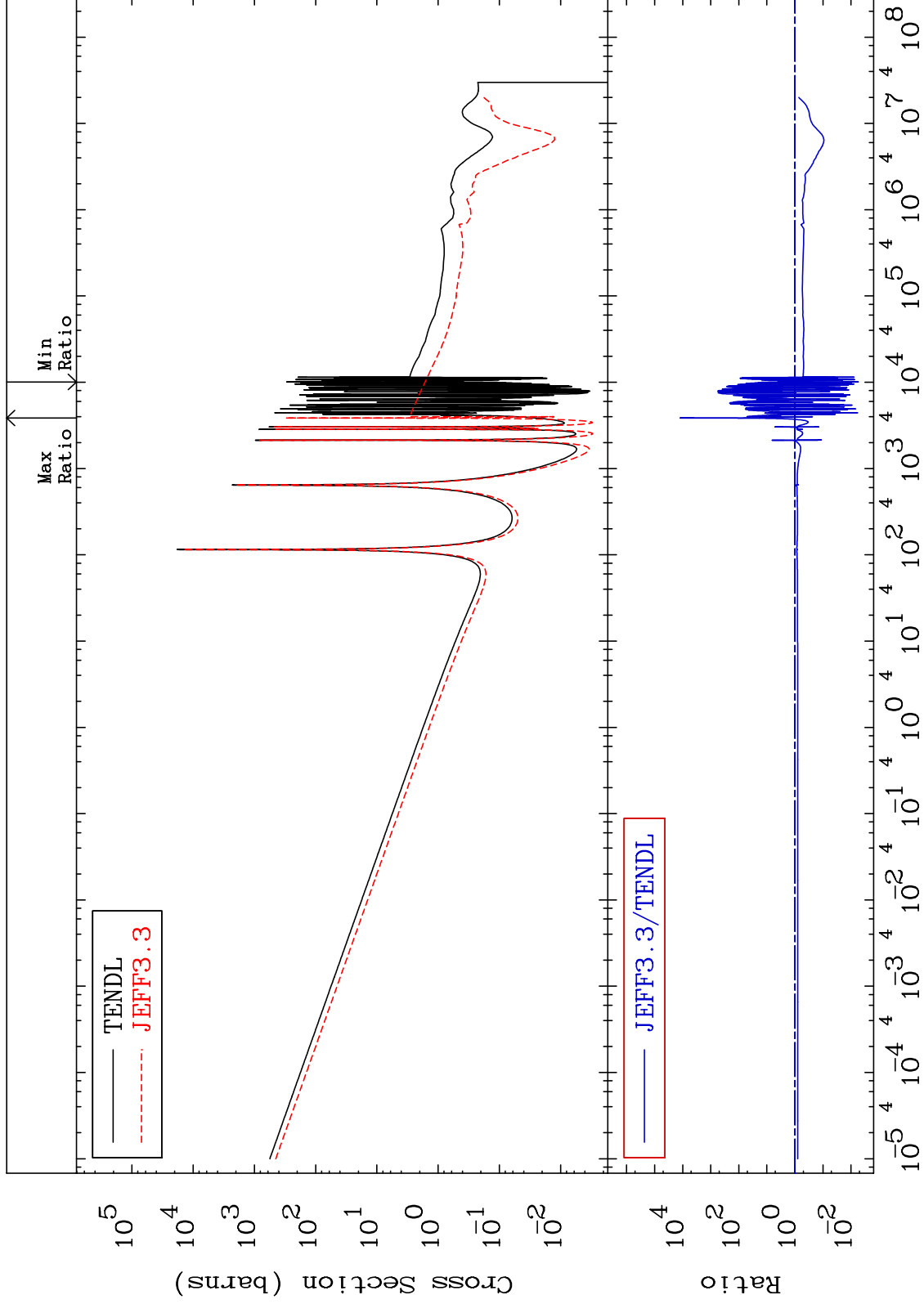
54-Xe-132



MAT 5449

Kerma capture (mt102)  
Cross Section

54-Xe-132  
-99.46 To 9999. %



40

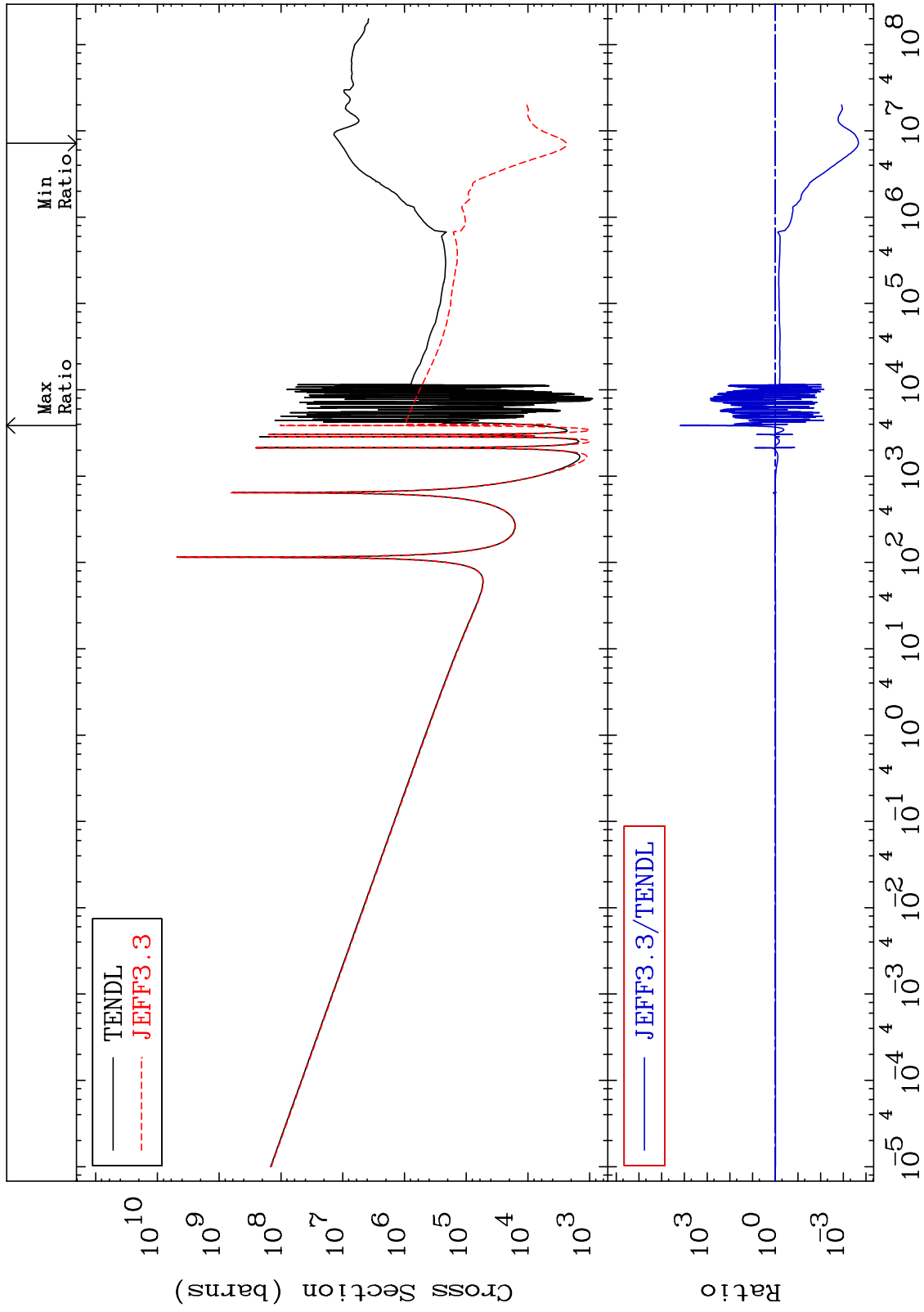
Incident Energy (eV)

54-Xe-132

MAT 5449

Total photon (eV-barns)  
Cross Section

54-Xe-132  
-99.98 To 9999. %



41

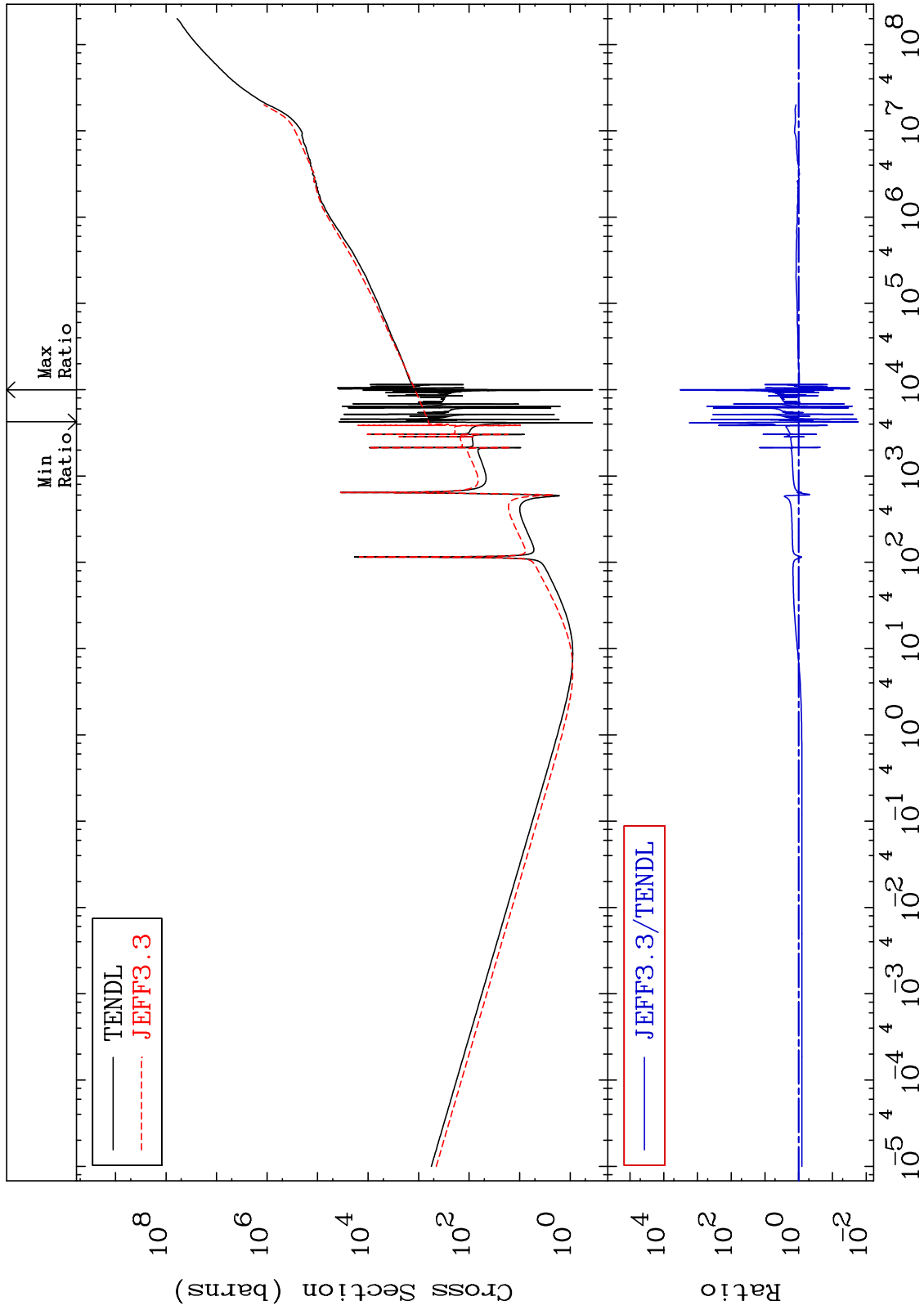
Incident Energy (eV)

54-Xe-132

MAT 5449

Total kinematic kerma (high limit)  
Cross Section

54-Xe-132  
-98.30 To 9999. %



42

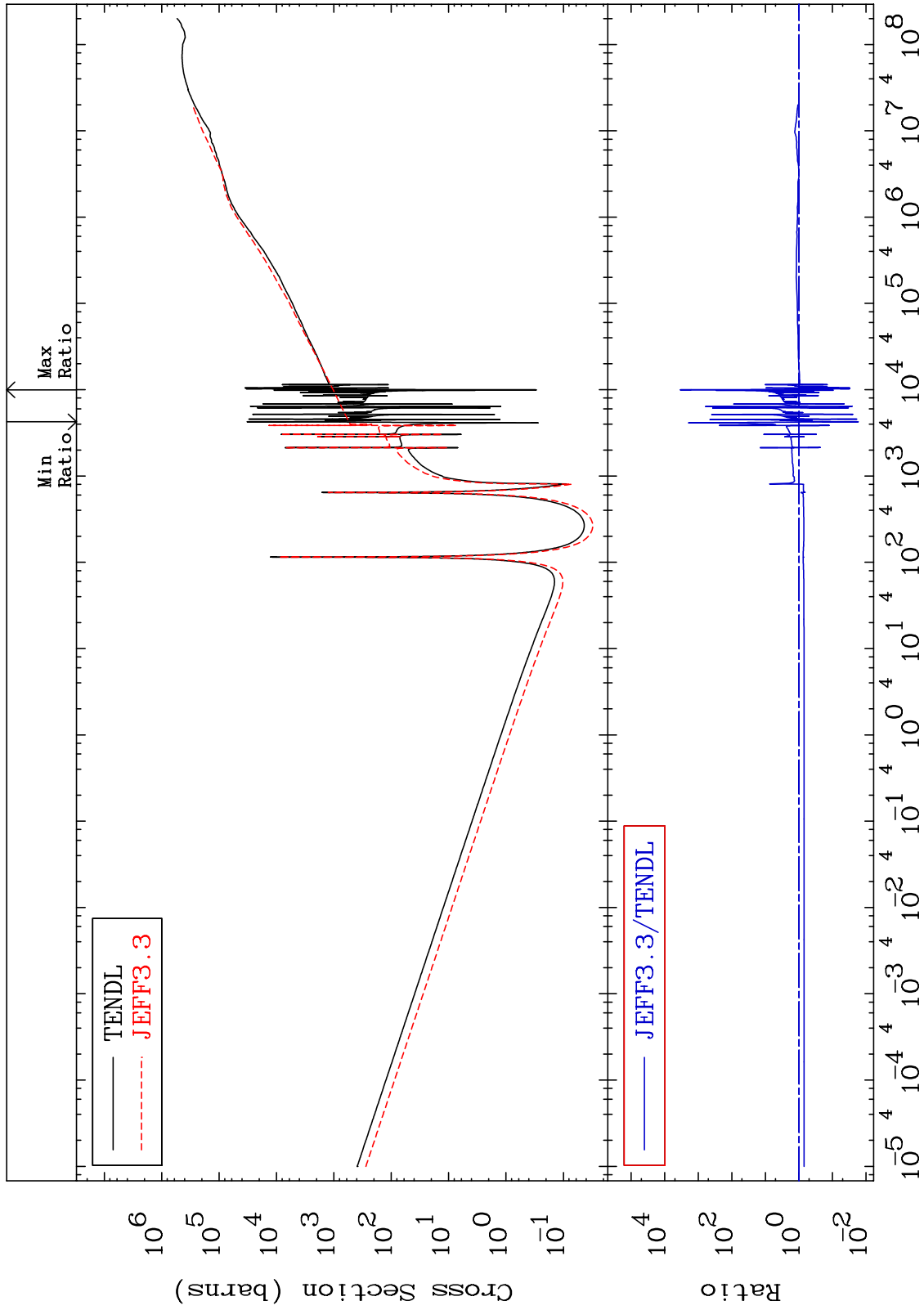
Incident Energy (eV)

54-Xe-132

MAT 5449

Dpa total (eV-barns)  
Cross Section

54-Xe-132  
-98.31 To 9999. %



43

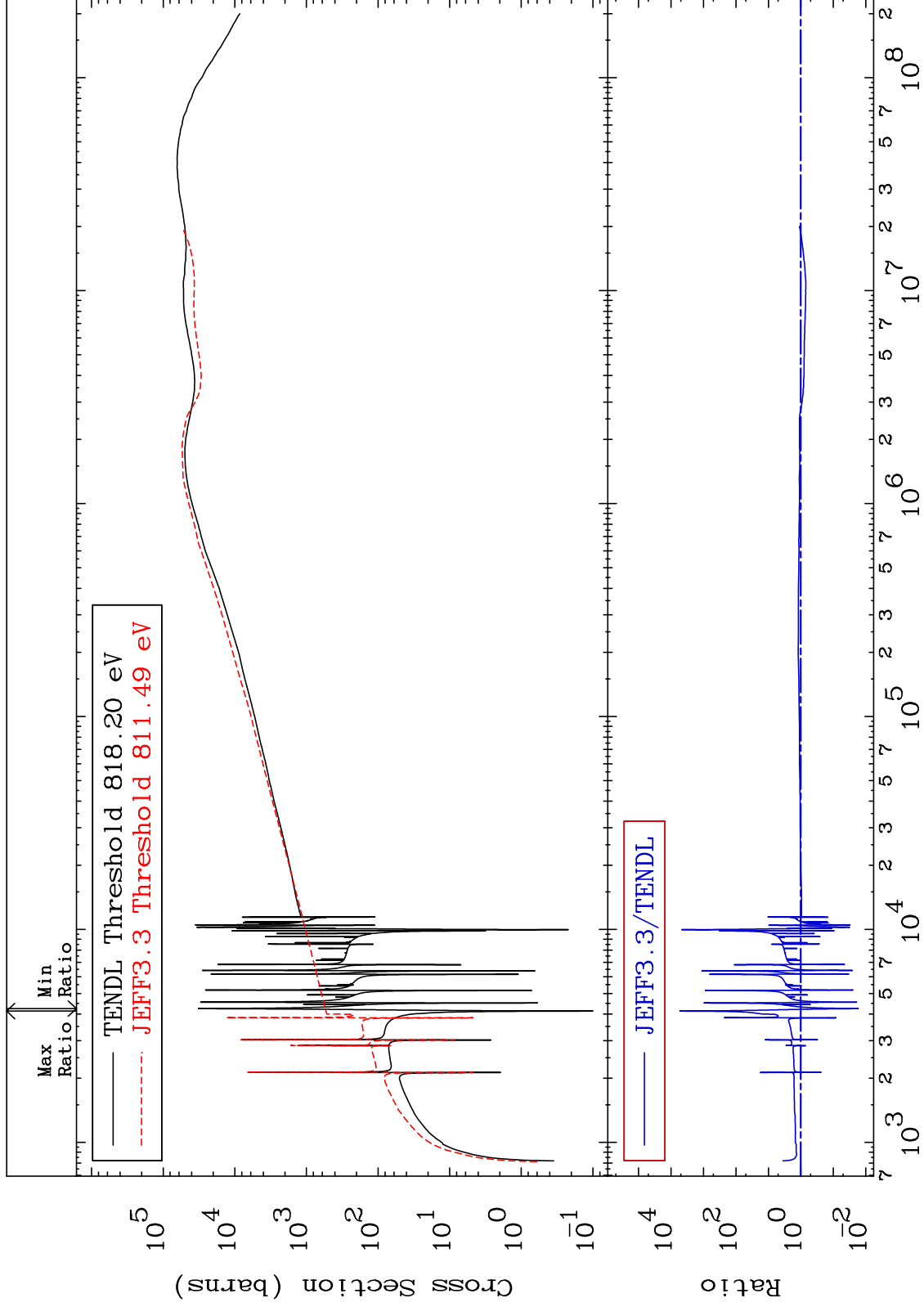
Incident Energy (eV)

54-Xe-132

MAT 5449

Dpa elastic (mt2)  
Cross Section

54-Xe-132  
-98.31 To 9999. %



44

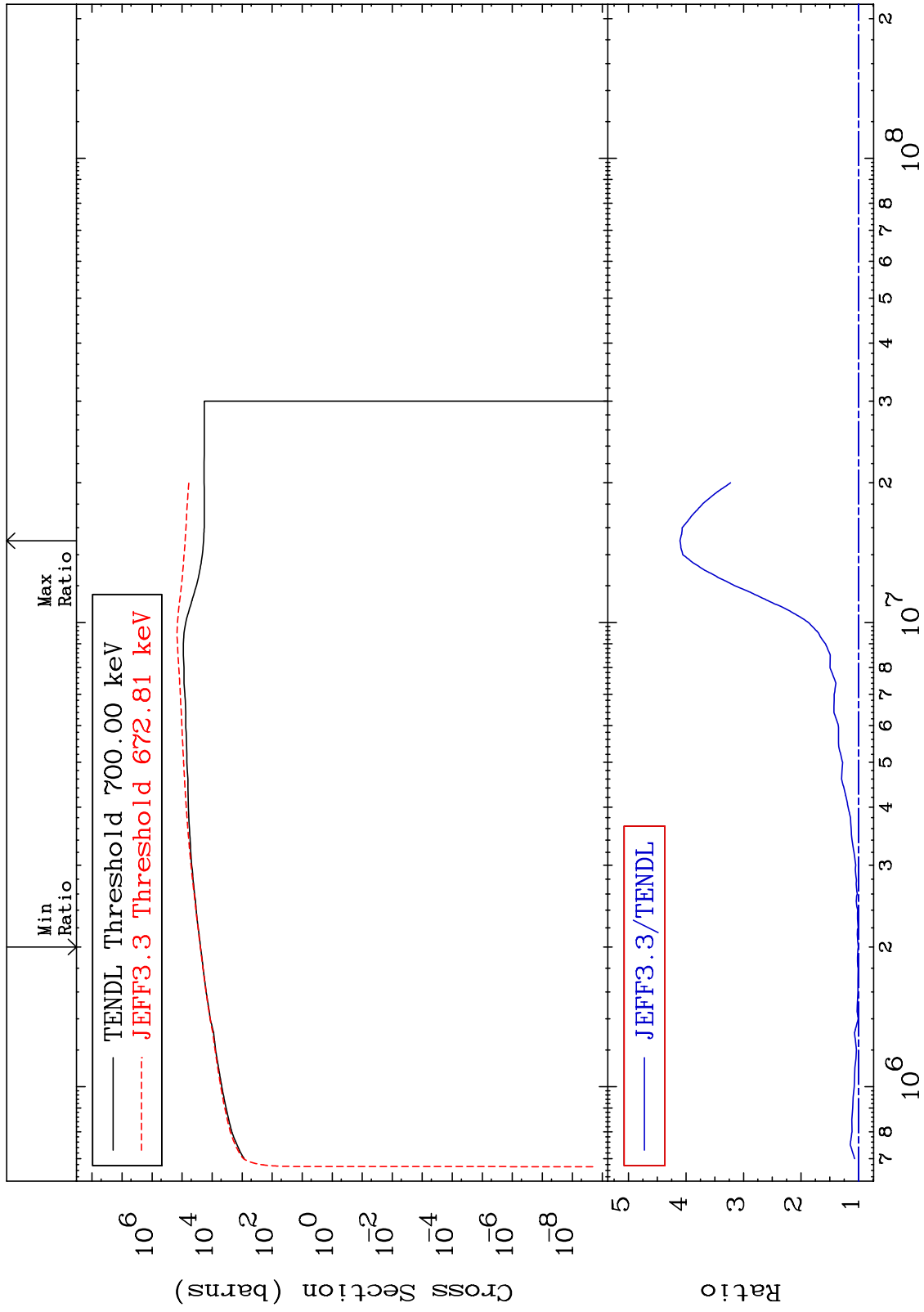
Incident Energy (eV)

54-Xe-132

MAT 5449

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-132  
0.335 To 310.4 %



45

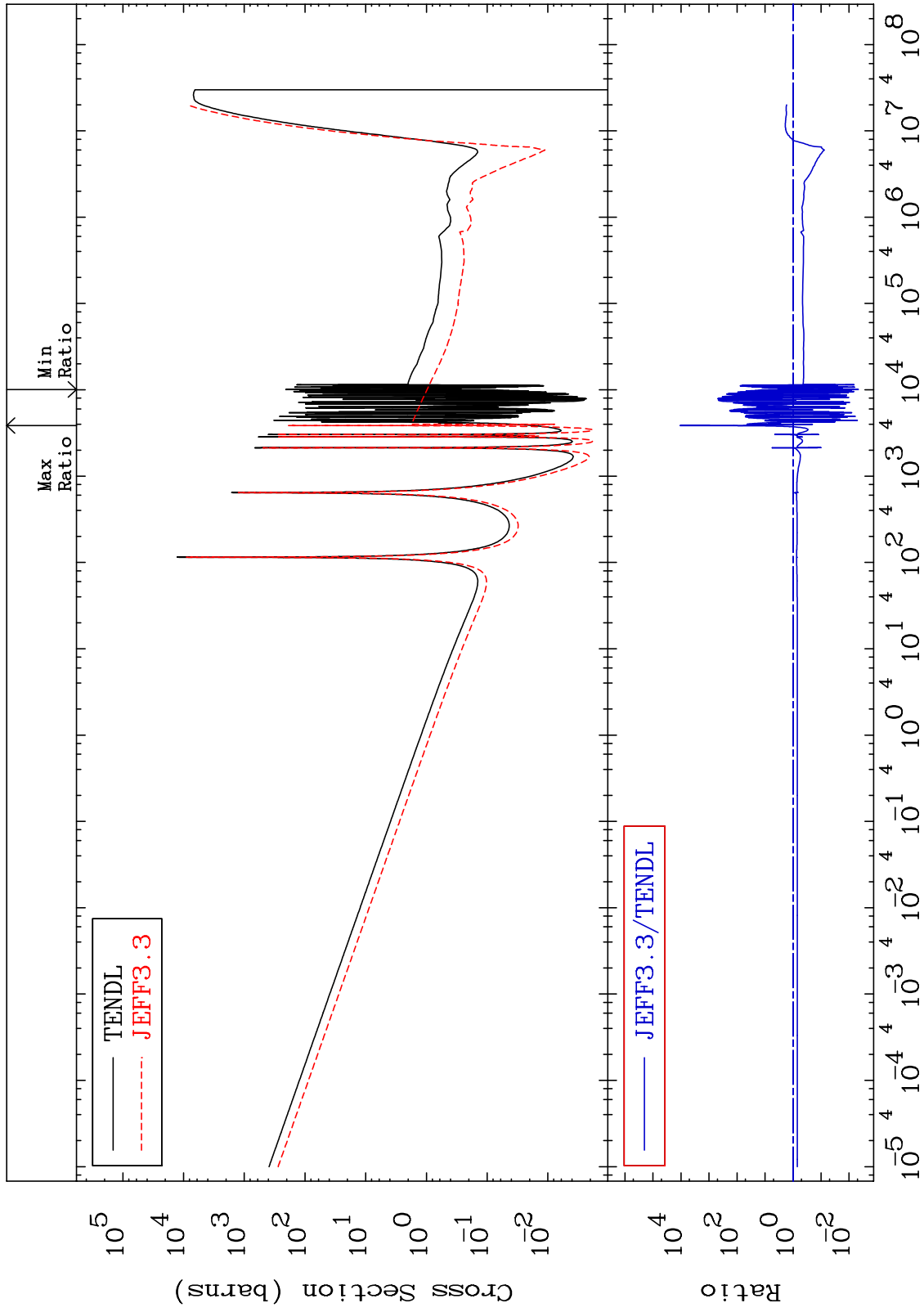
Incident Energy (eV)

54-Xe-132

MAT 5449

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-132  
-99.54 To 9999. %



46

Incident Energy (eV)

54-Xe-132