

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

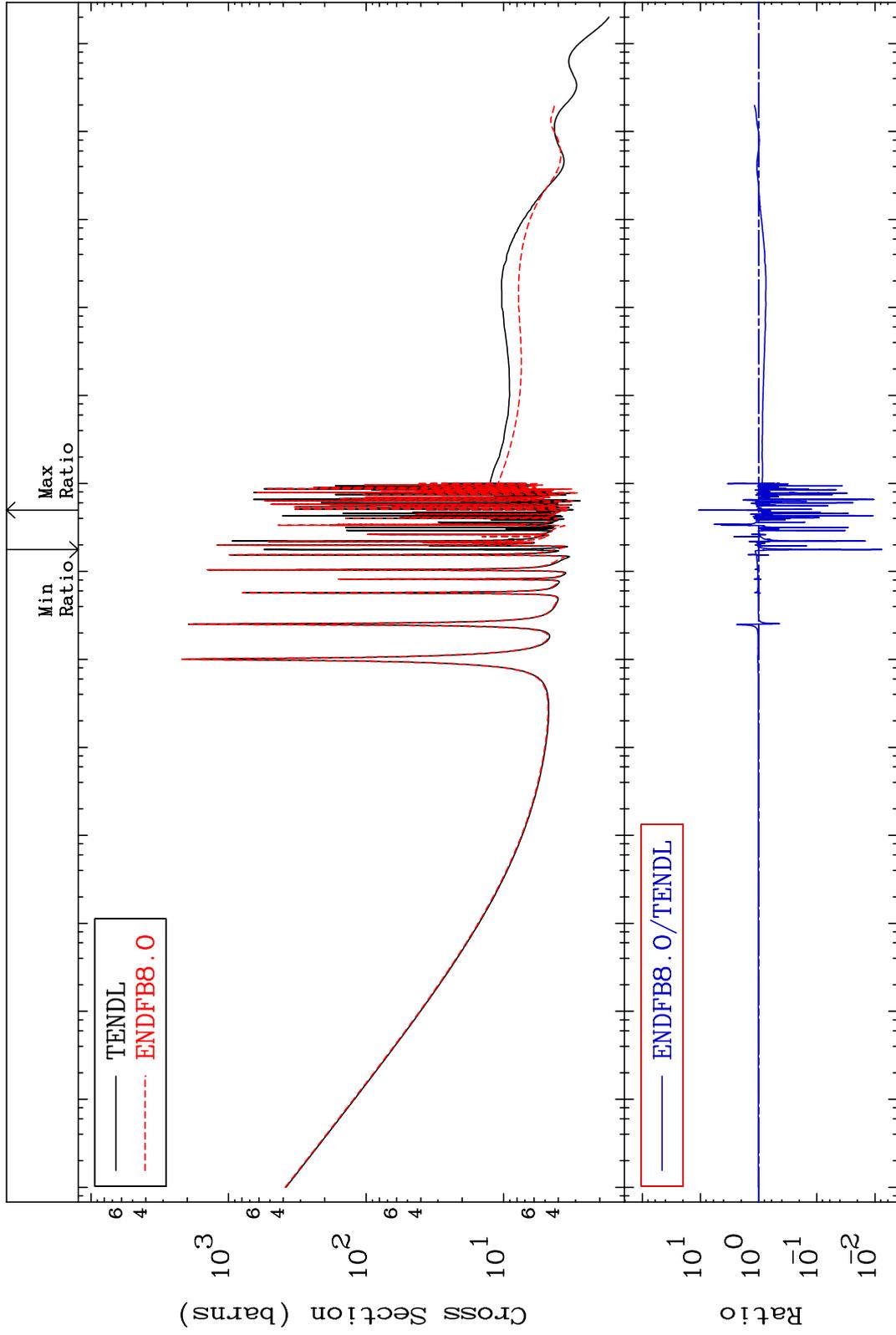
MAT 4434

Total

44-Ru-99

Cross Section

-99.24 To 972.7 %



1

Incident Energy (eV)

44-Ru-99

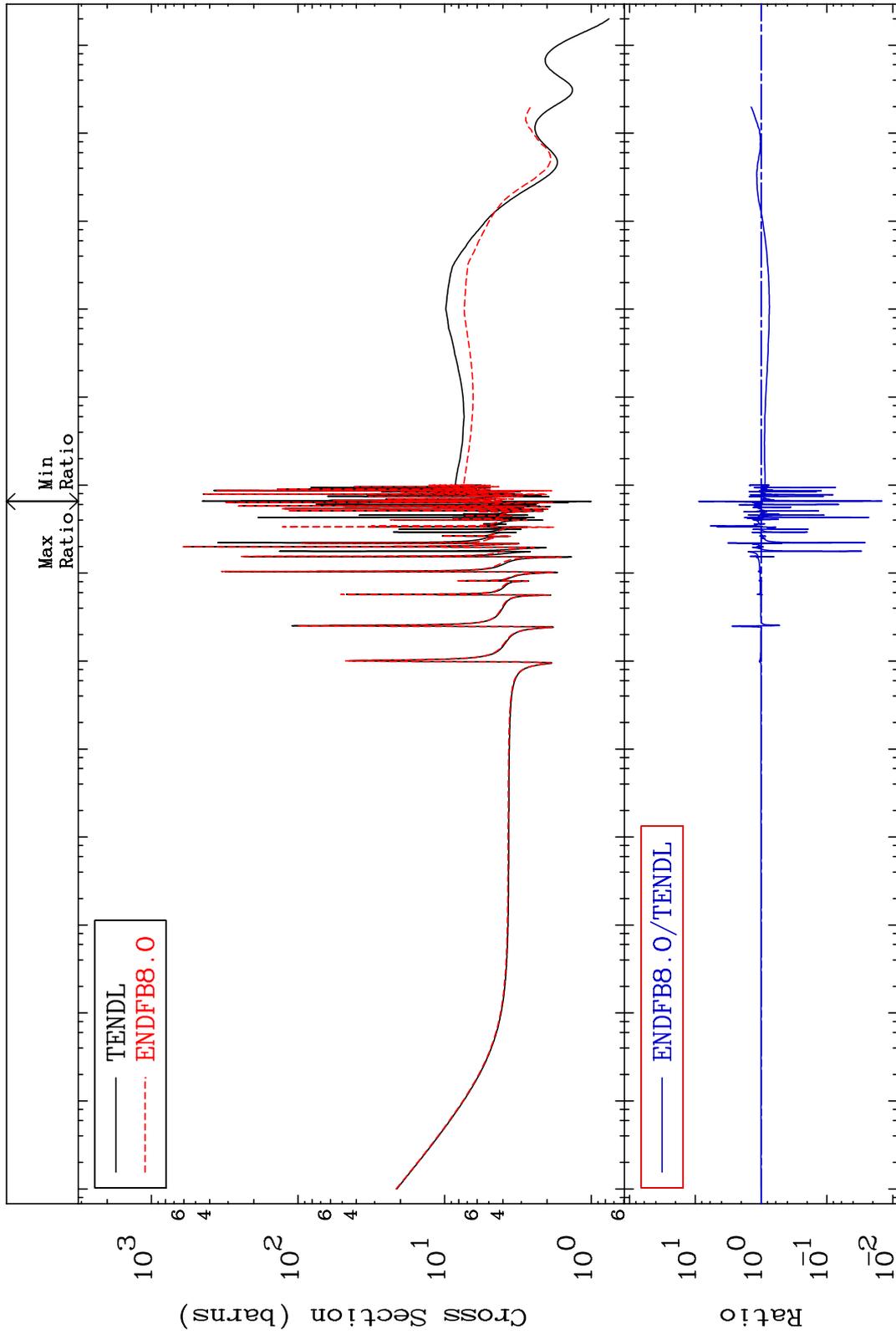
MAT 4434

Elastic

44-Ru-99

Cross Section

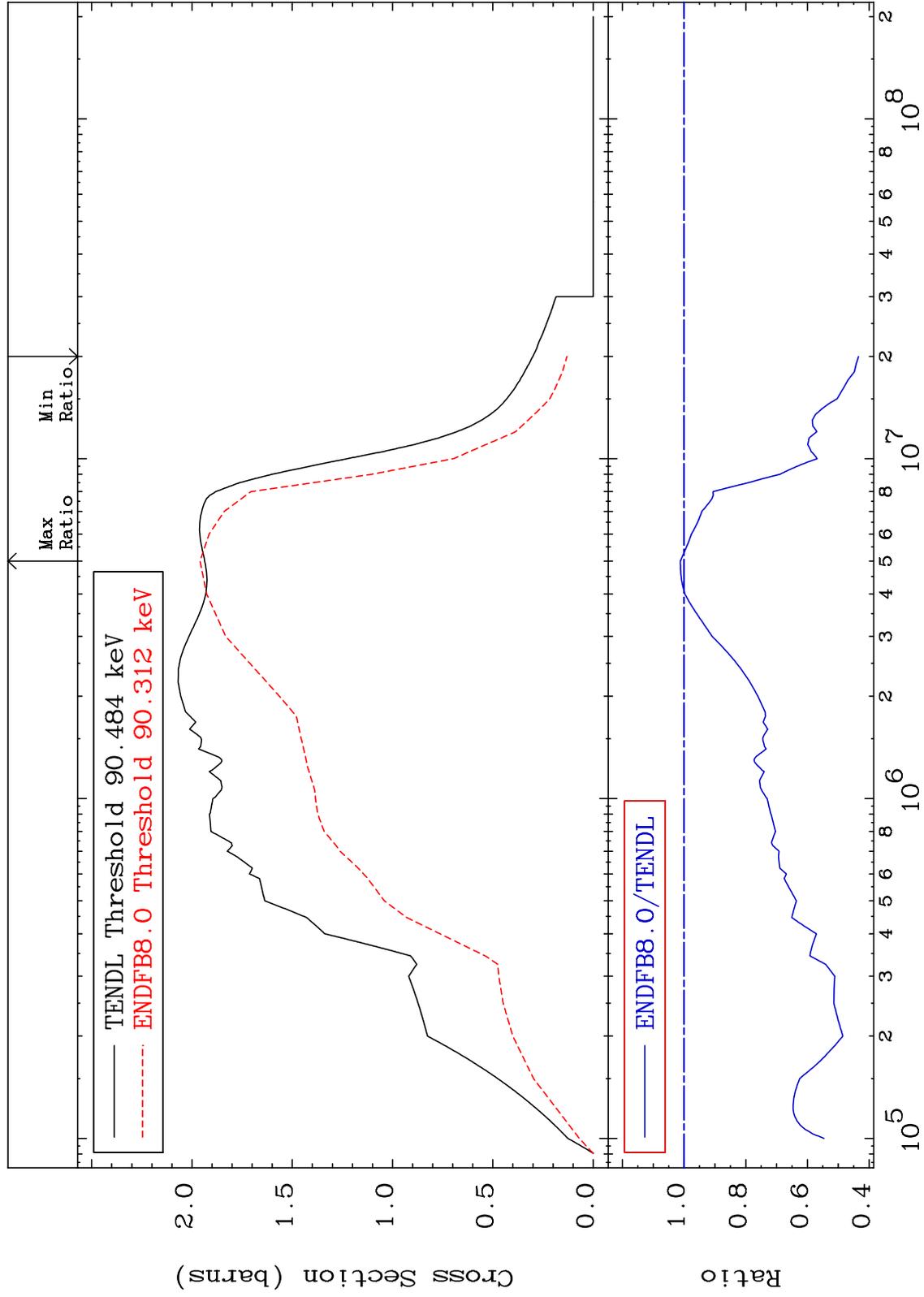
-98.55 To 789.6 %



MAT 4434

Inelastic  
Cross Section

44-Ru-99  
-56.57 To 1.209 %



3

Incident Energy (eV)

44-Ru-99

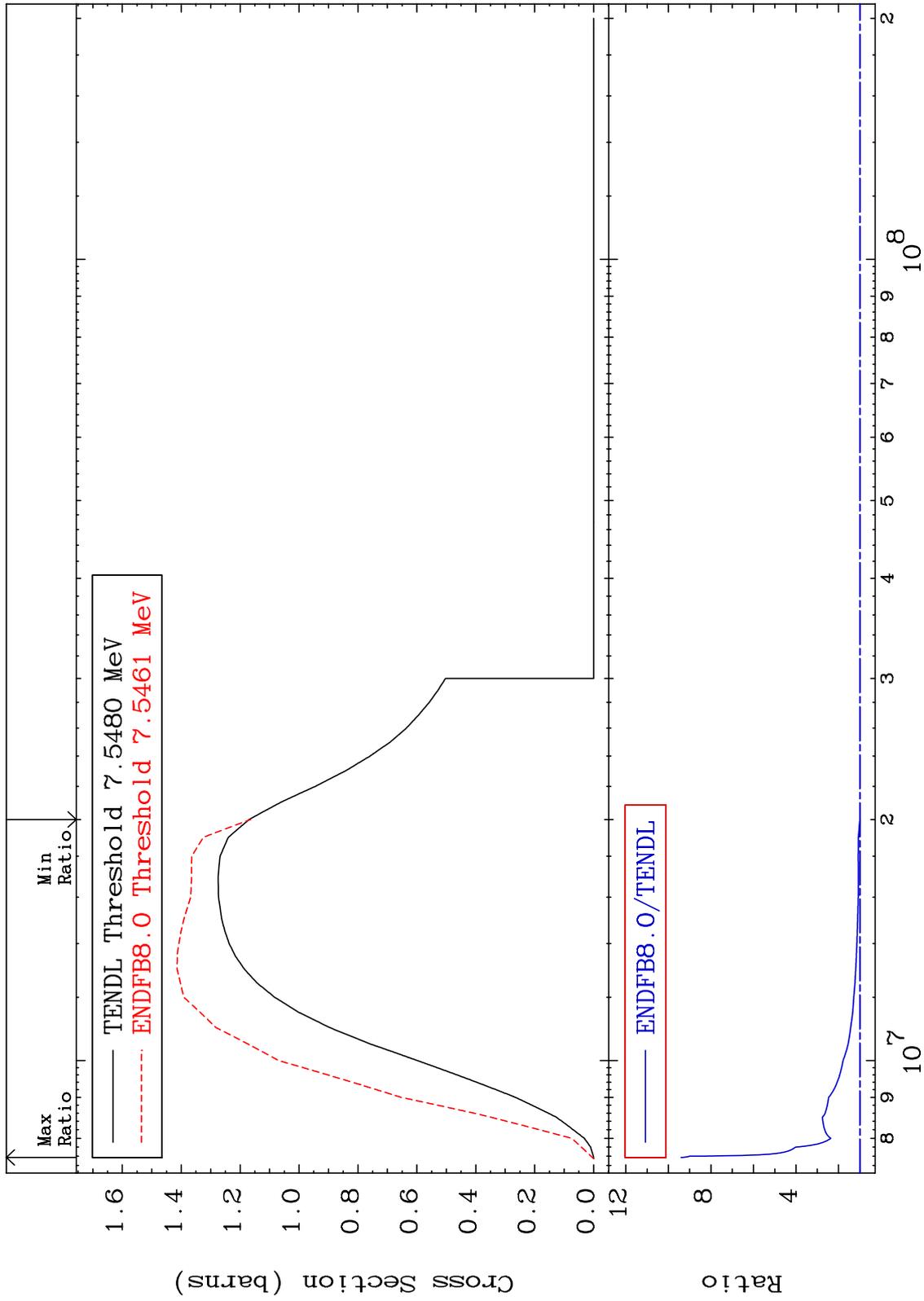
MAT 4434

(n,2n)

44-Ru-99

Cross Section

-0.440 To 840.0 %



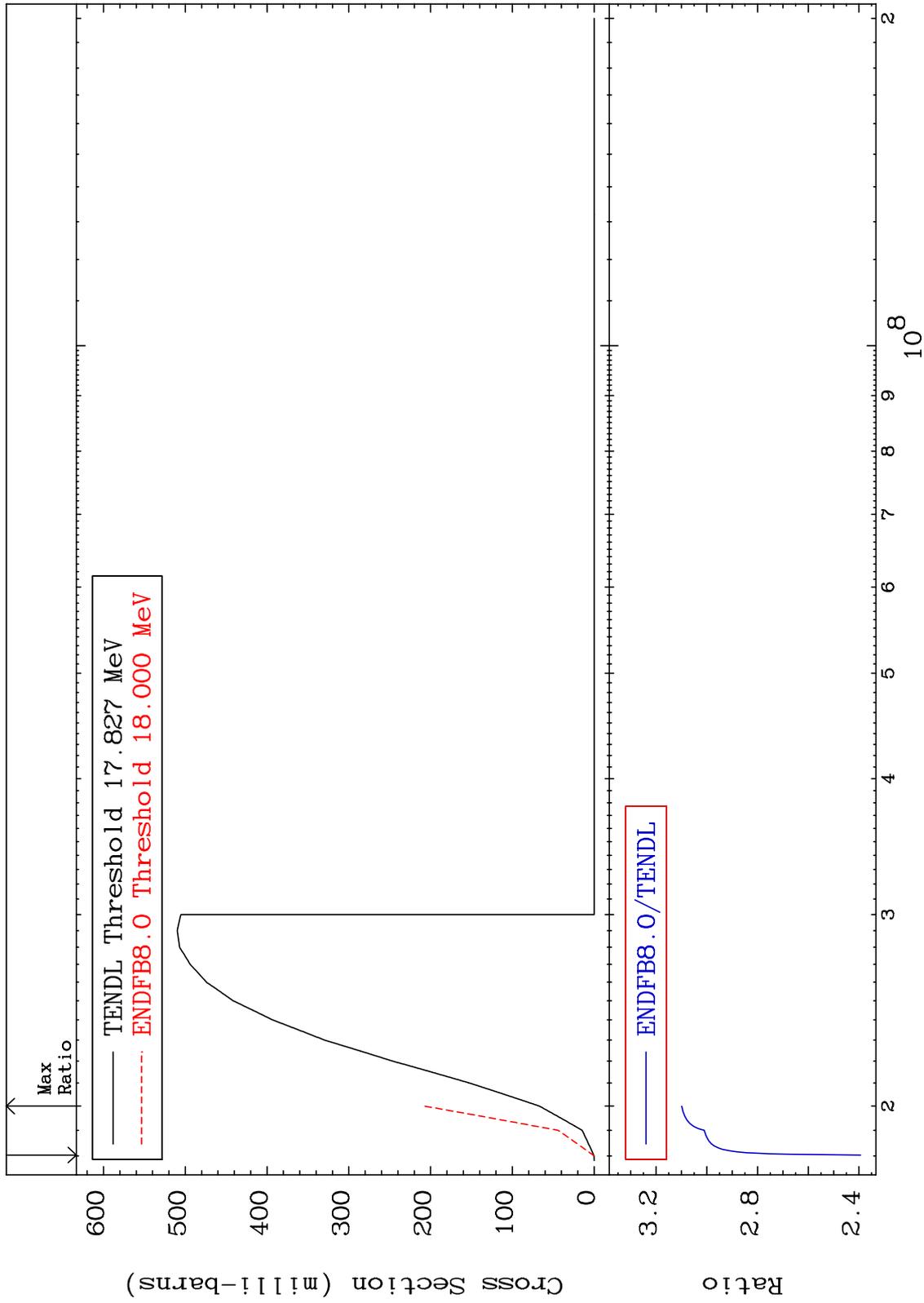
MAT 4434

(n, 3n)

44-Ru-99

Cross Section

139.3 To 209.9 %



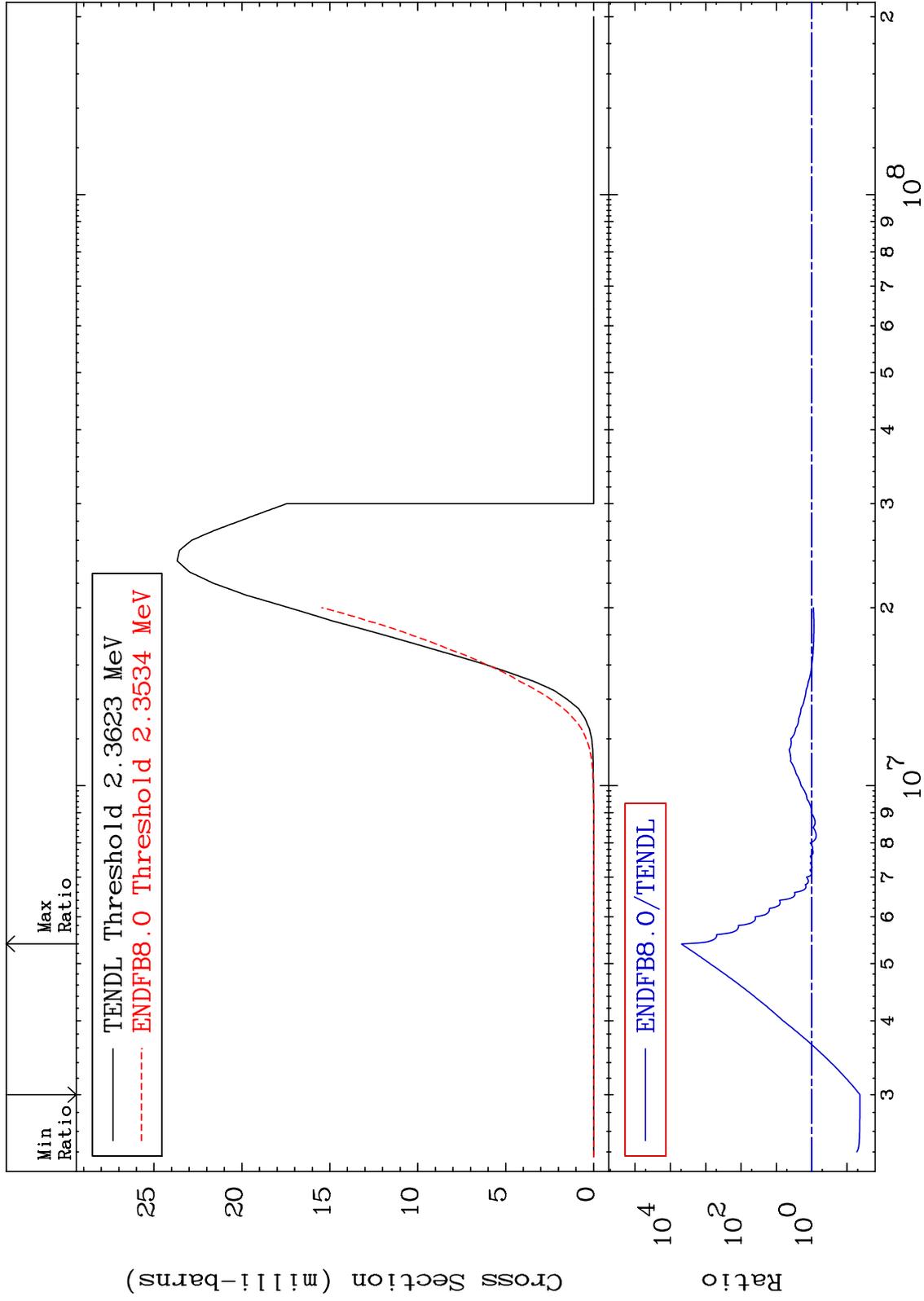
MAT 4434

(n,n')  $\alpha$

44-Ru-99

Cross Section

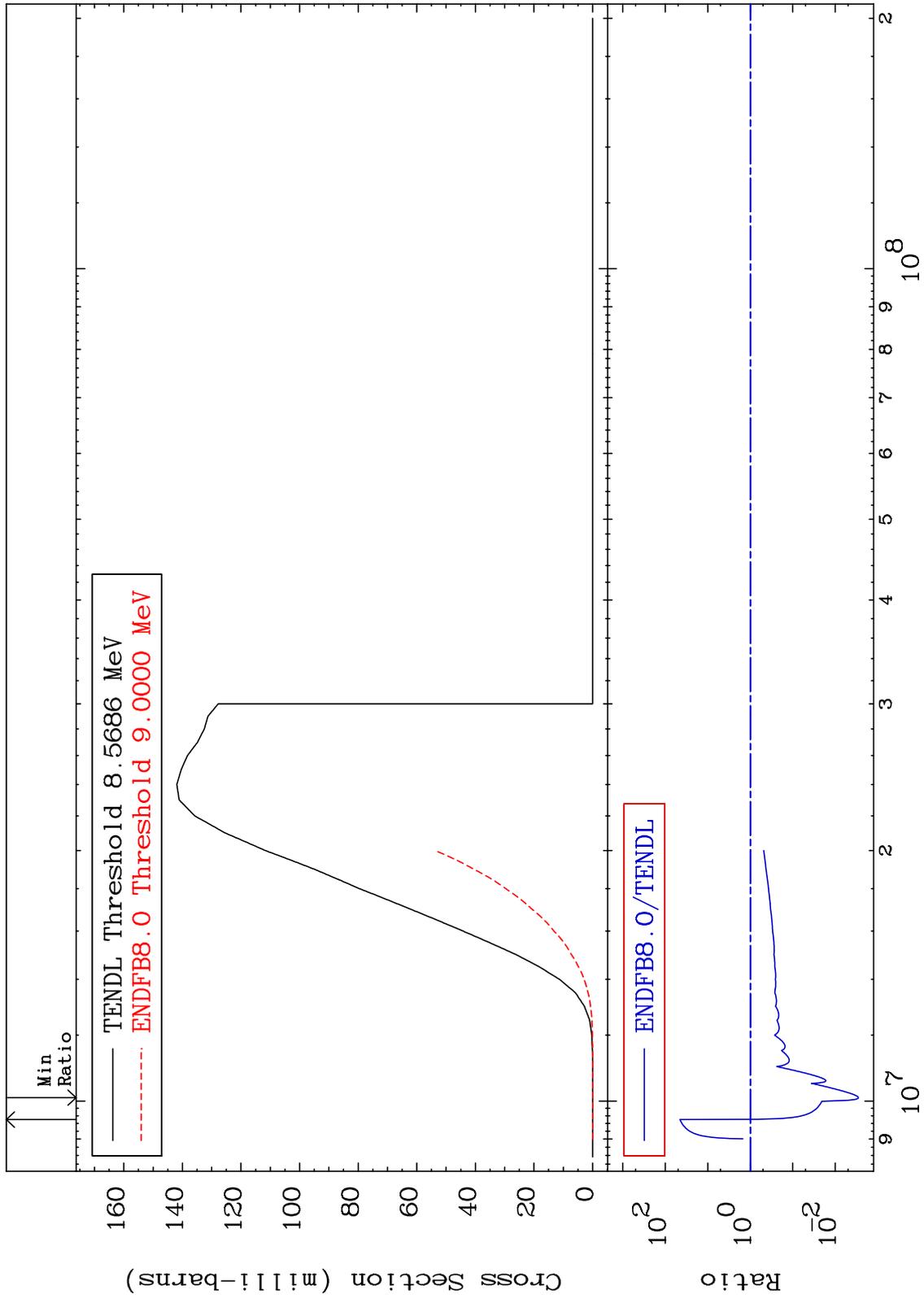
-95.70 To 9999. %



MAT 4434

(n,n') p  
Cross Section

44-Ru-99  
-99.71 To 4409. %



7

Incident Energy (eV)

44-Ru-99

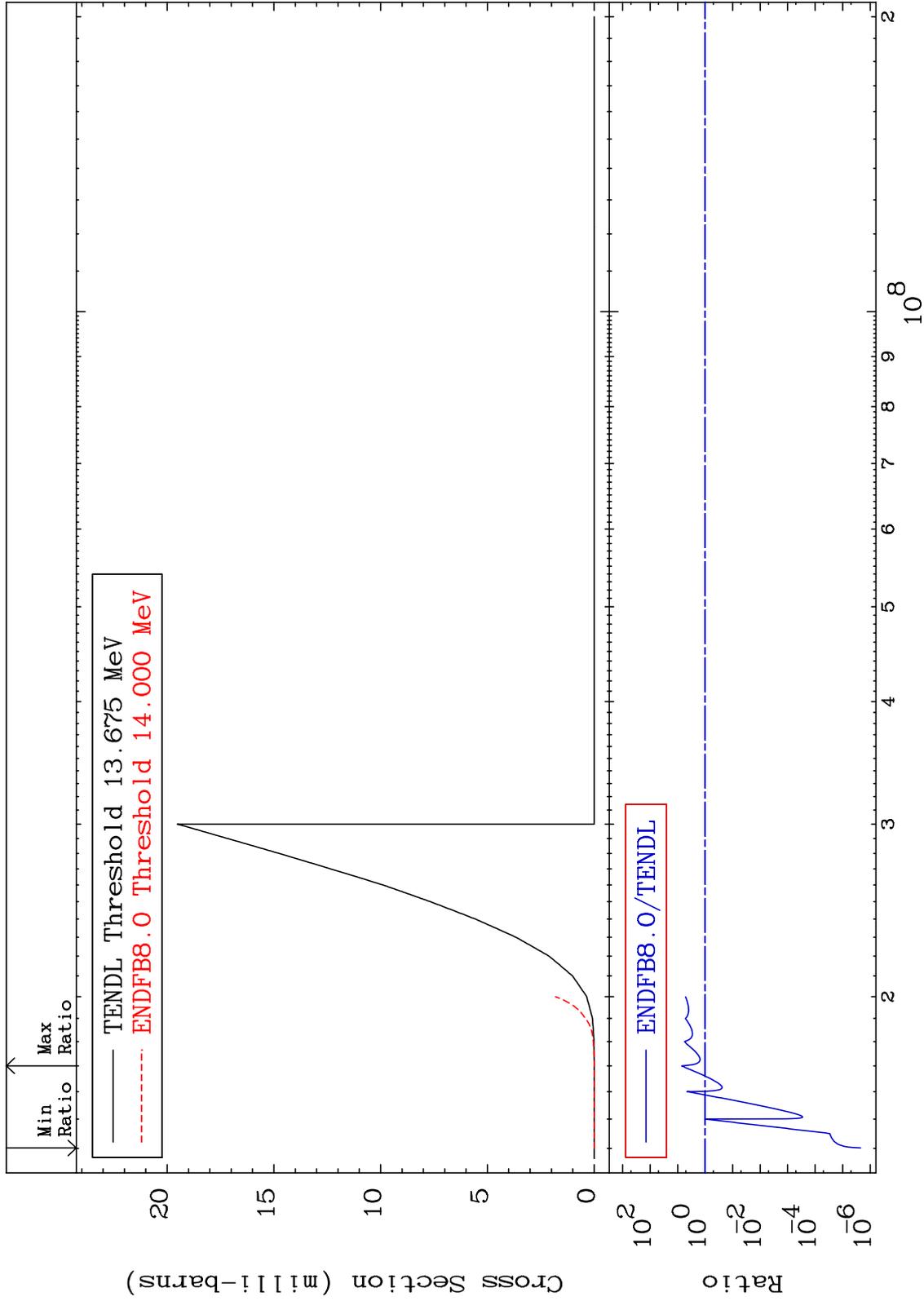
MAT 4434

(n, n') d

44-Ru-99

Cross Section

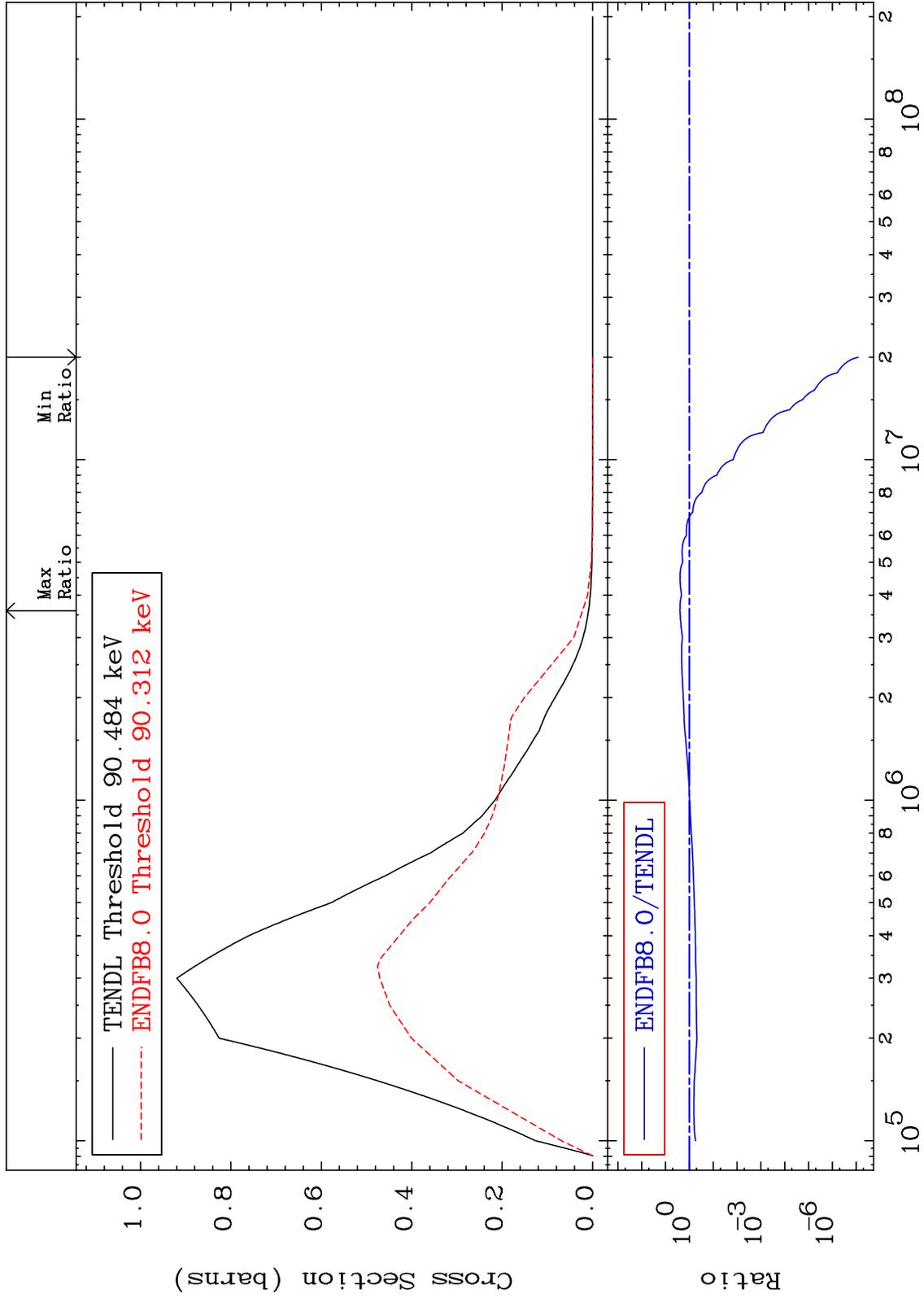
-100.0 To 609.1 %



MAT 4434

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

44-Ru-99  
-100.0 To 149.1 %



9

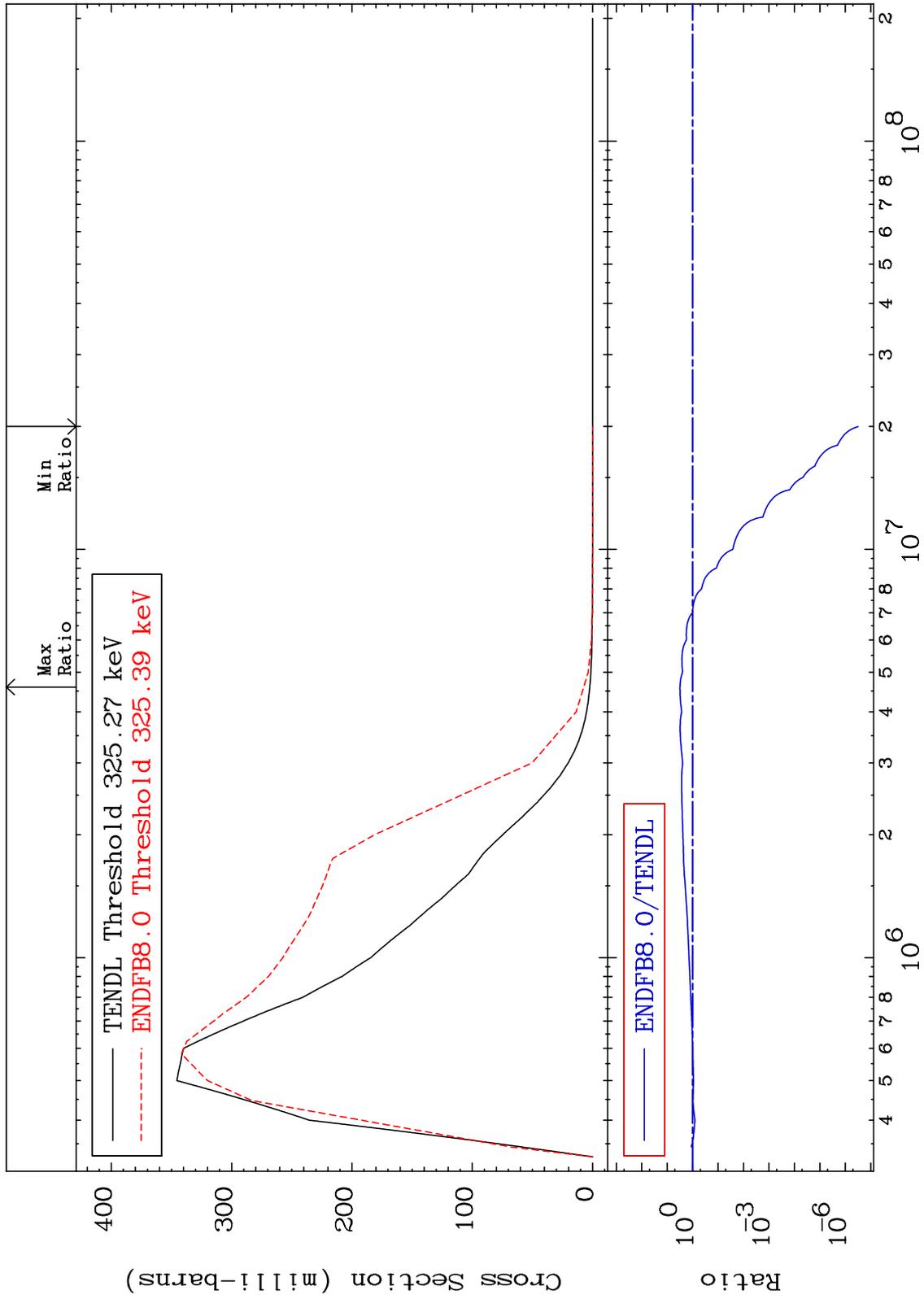
Incident Energy (eV)

44-Ru-99

MAT 4434

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

44-Ru-99  
-100.0 To 216.6 %

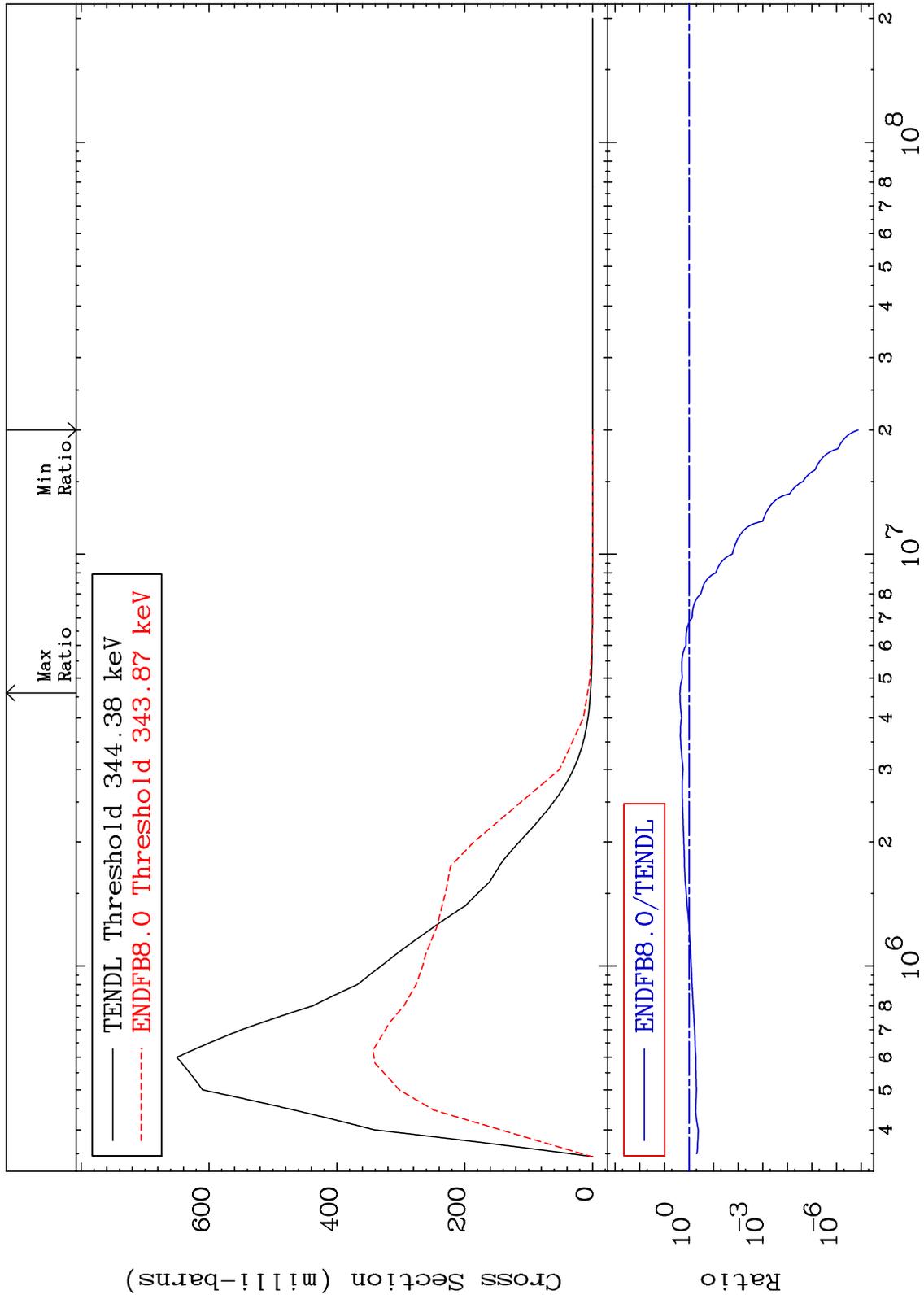


10

Incident Energy (eV)

44-Ru-99

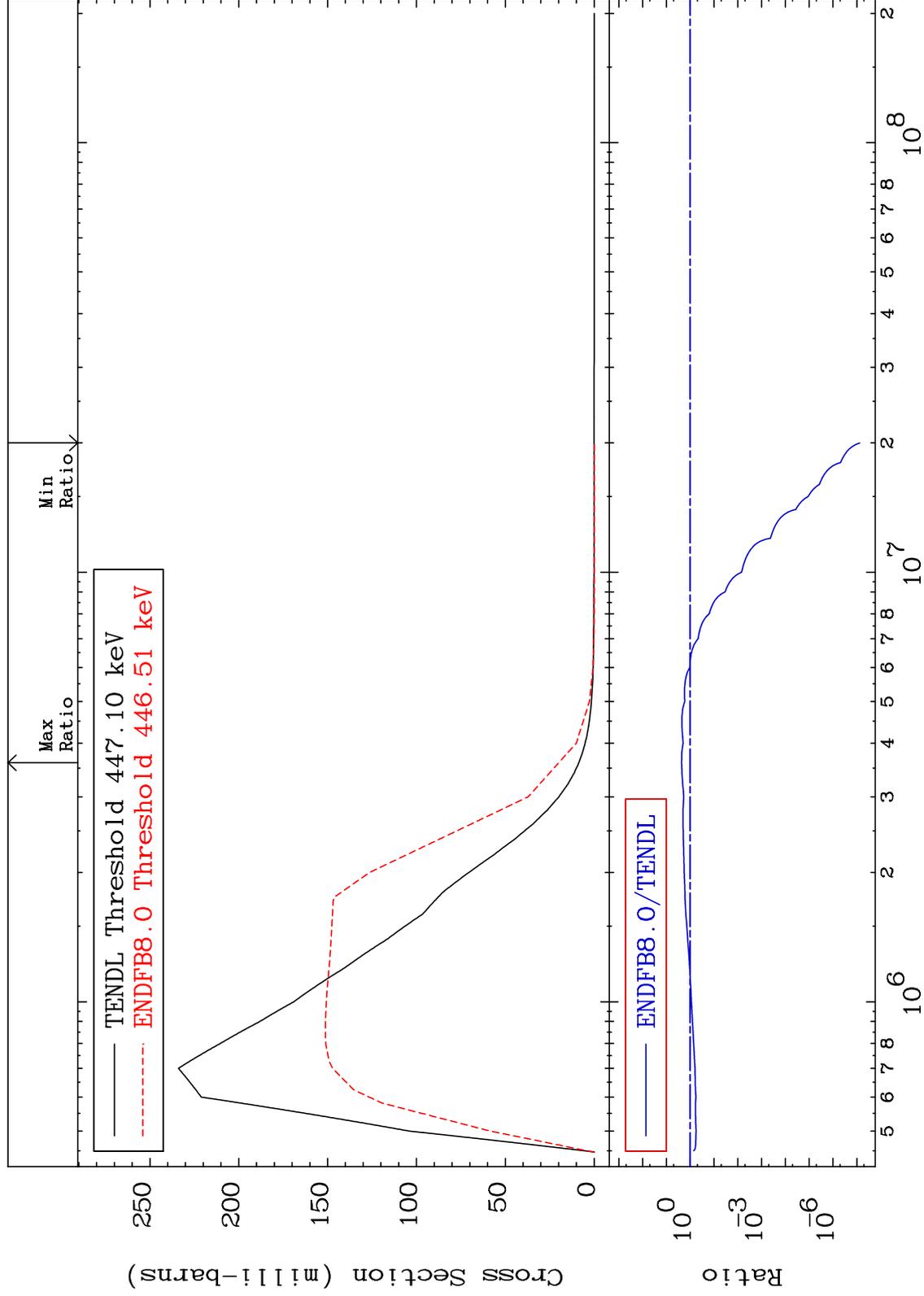
MAT 4434      MT= 53 (n,n') Level      44-Ru-99  
 Cross Section      -100.0 To 132.1 %



MAT 4434

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

44-Ru-99  
-100.0 To 130.8 %



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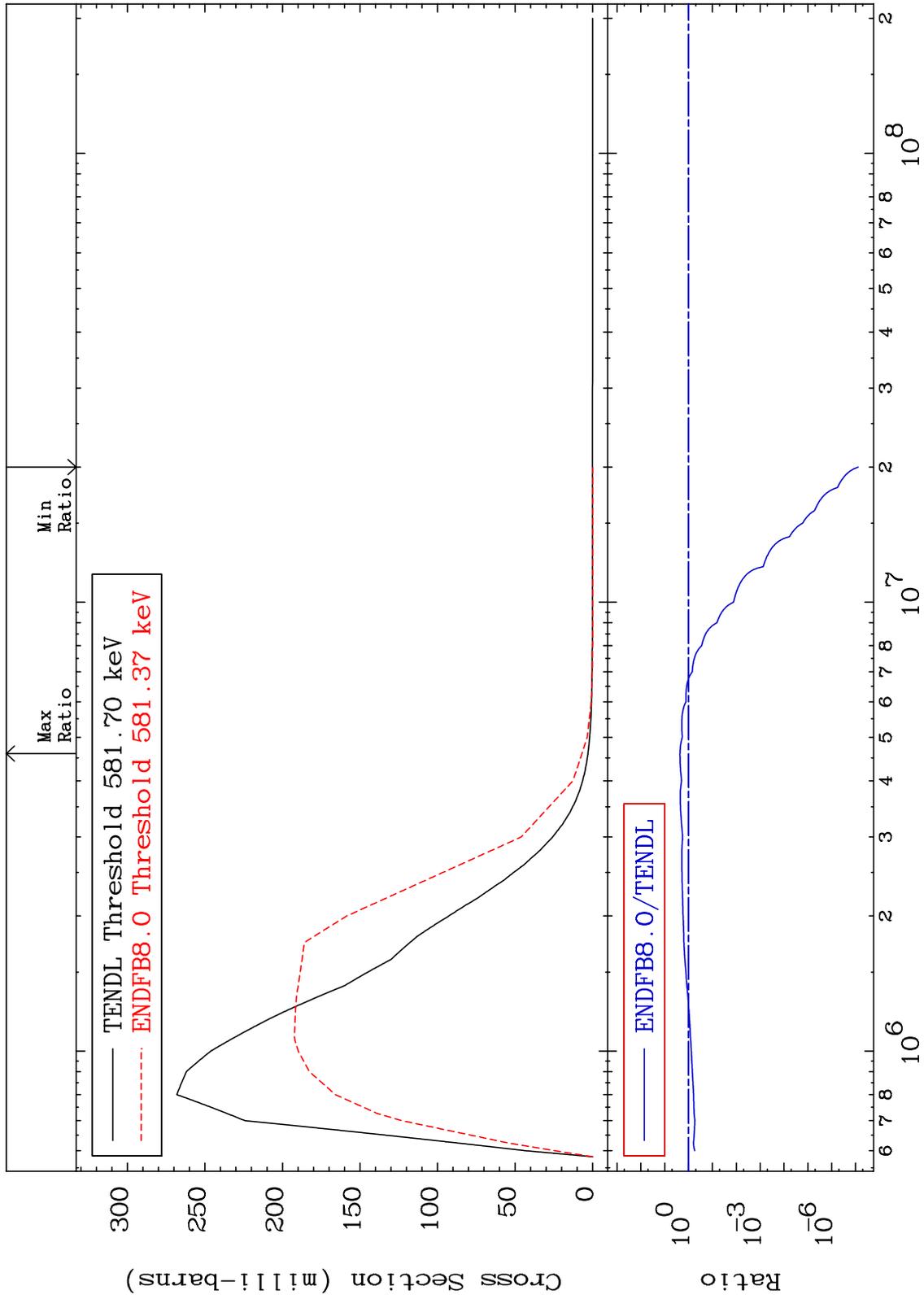
Incident Energy (eV)

44-Ru-99

MAT 4434

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

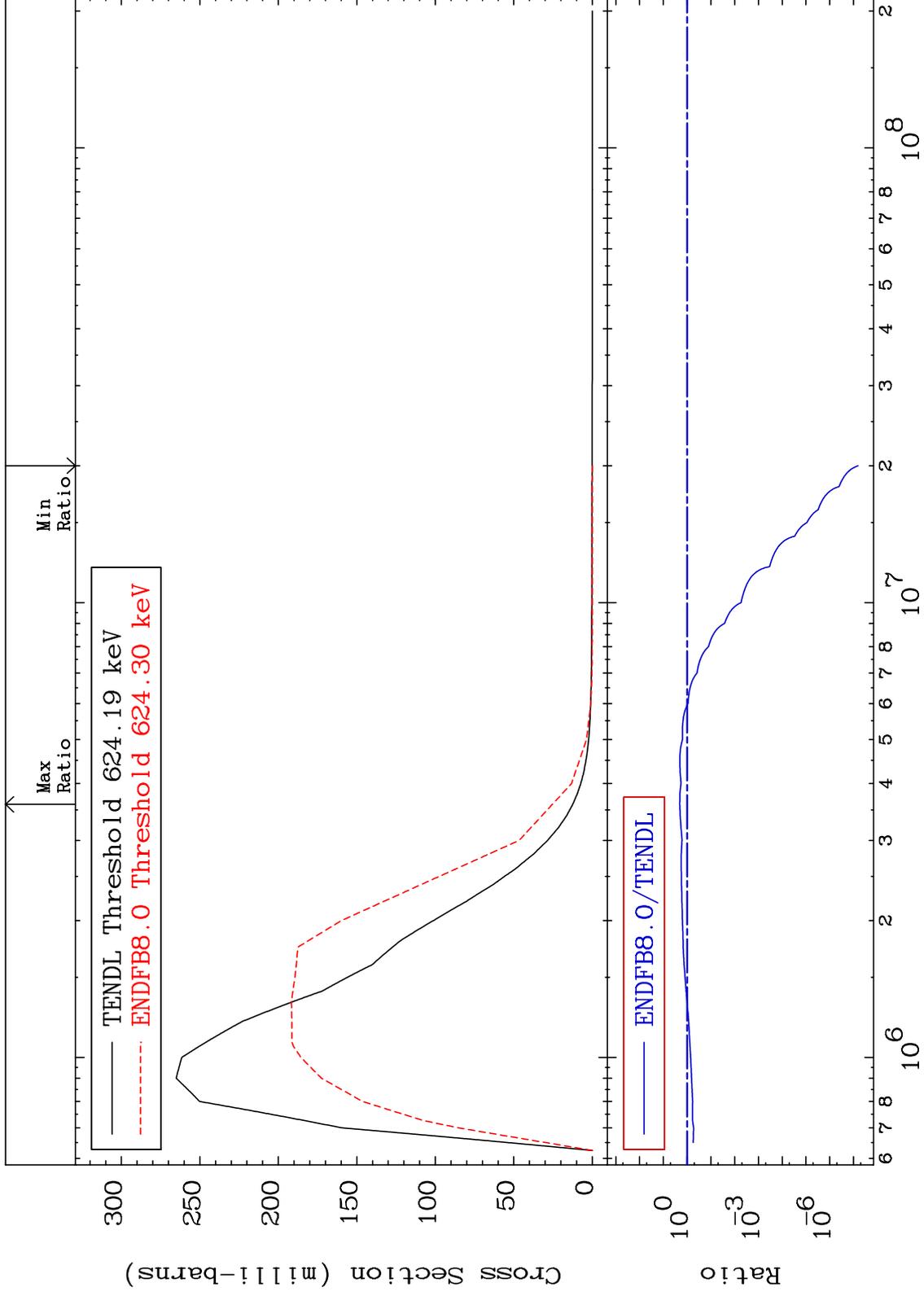
44-Ru-99  
-100.0 To 130.8 %



MAT 4434

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

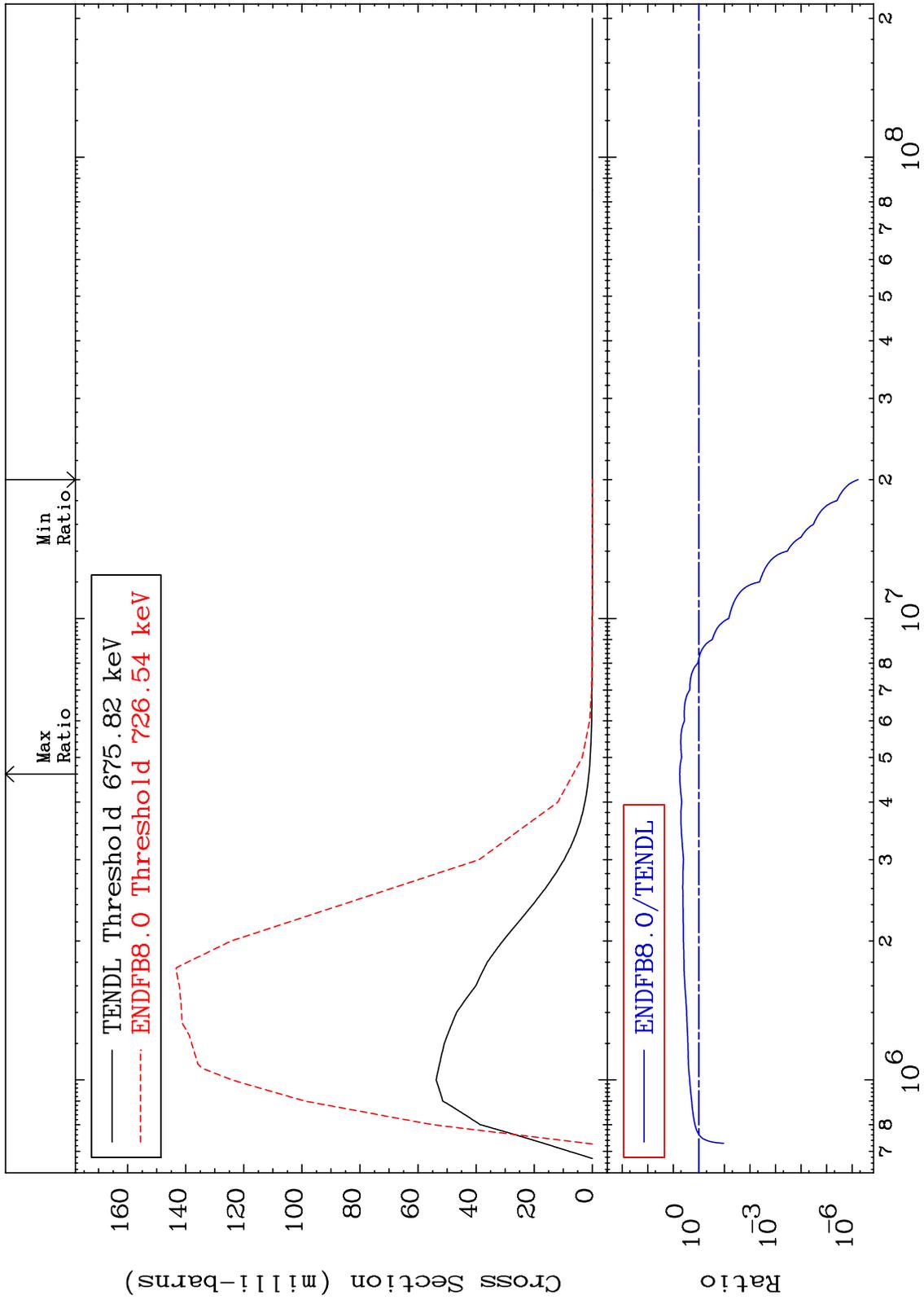
44-Ru-99  
-100.0 To 104.8 %



MAT 4434

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

44-Ru-99  
-100.0 To 464.6 %



15

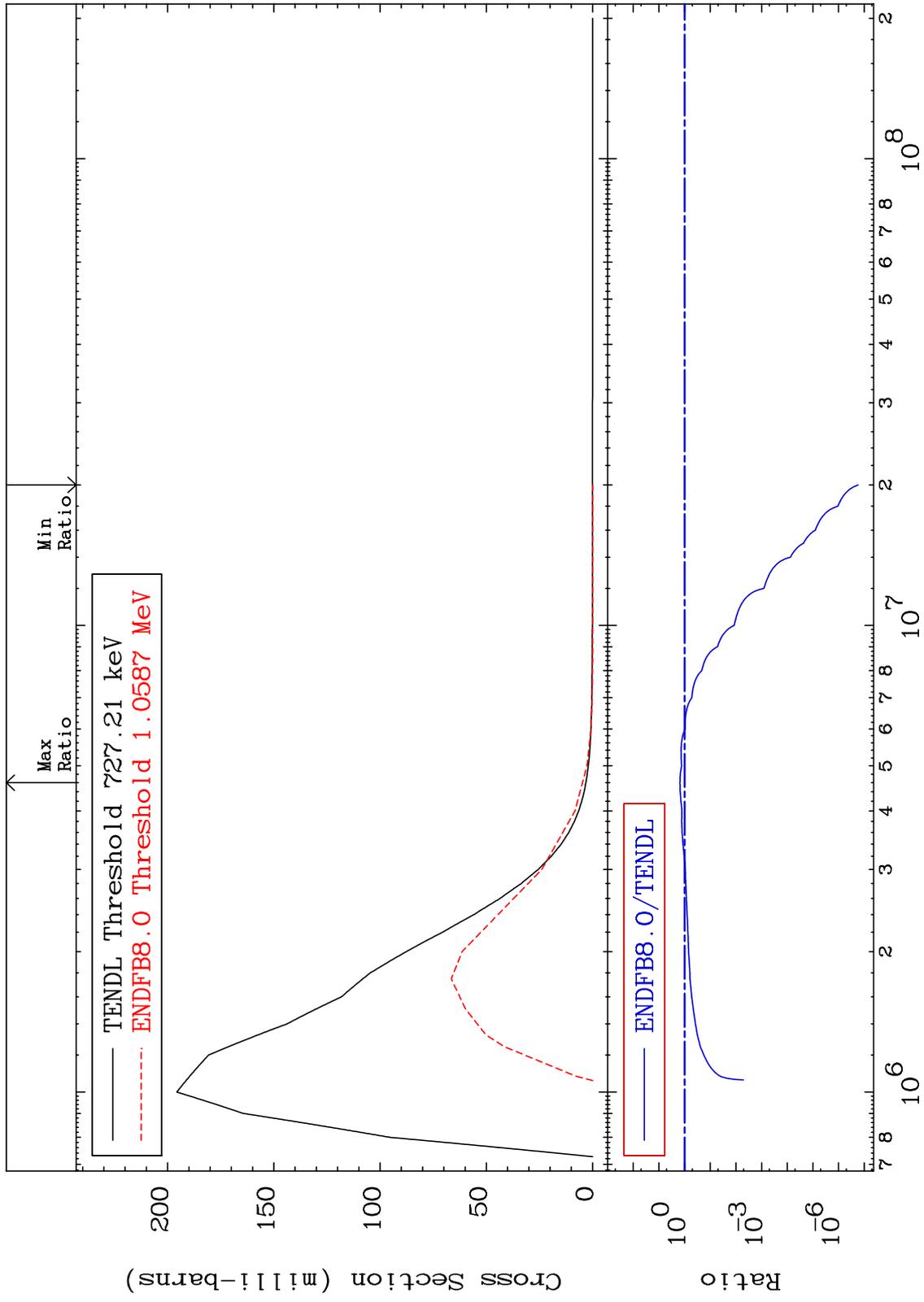
Incident Energy (eV)

44-Ru-99

MAT 4434

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

44-Ru-99  
-100.0 To 51.77 %



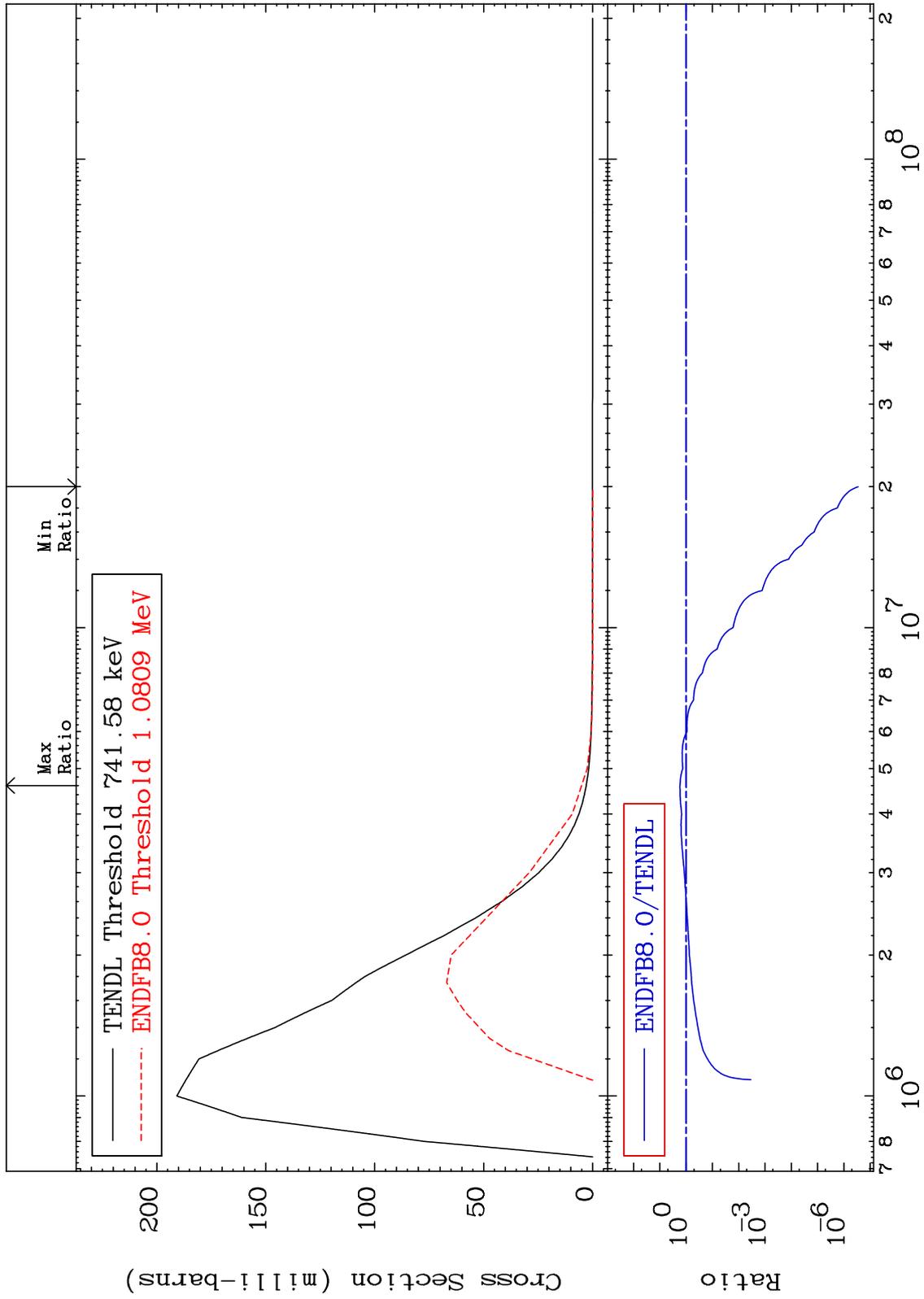
16

44-Ru-99

MAT 4434

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

44-Ru-99  
-100.0 To 72.46 %



17

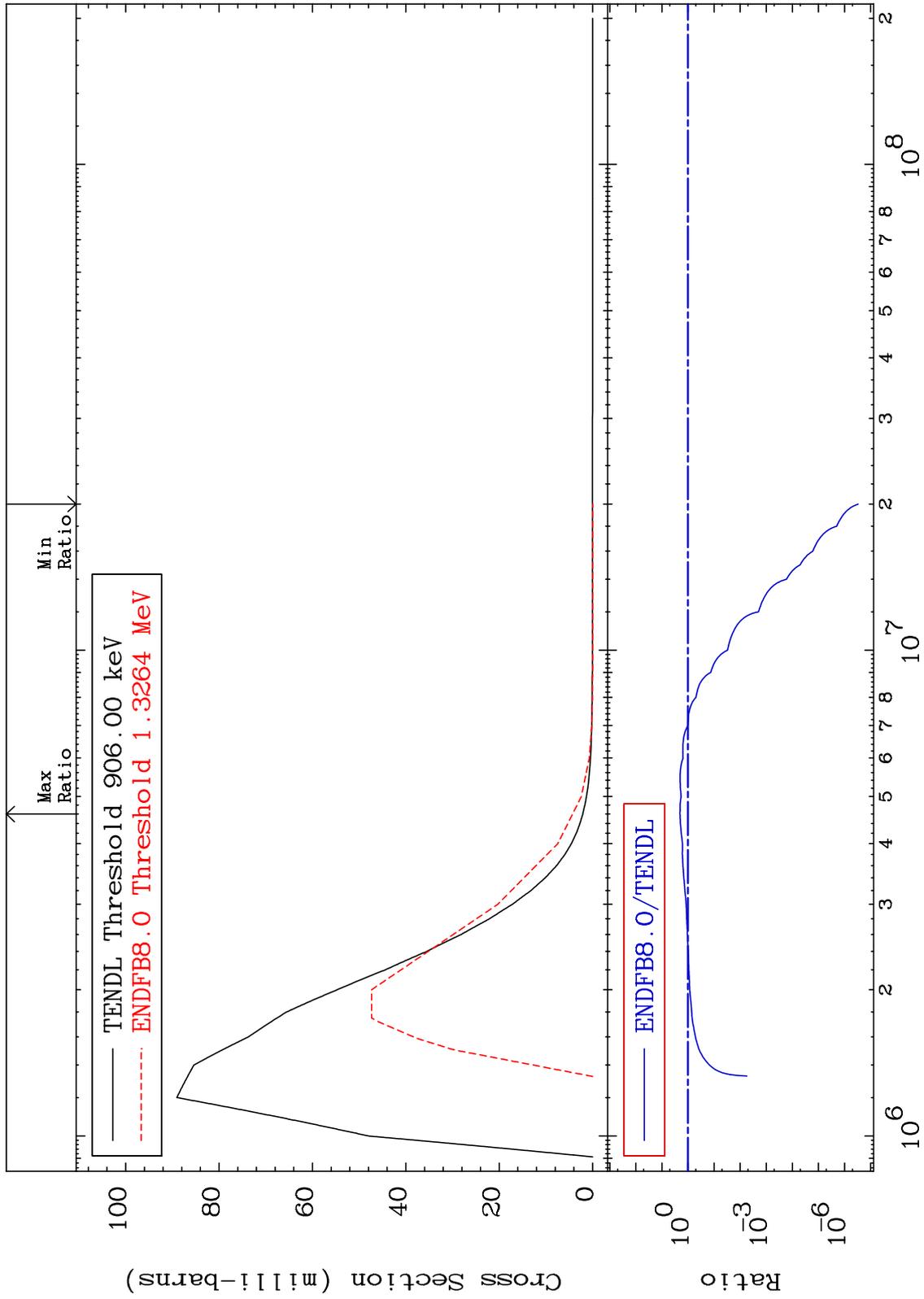
Incident Energy (eV)

44-Ru-99

MAT 4434

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

44-Ru-99  
-100.0 To 104.0 %



18

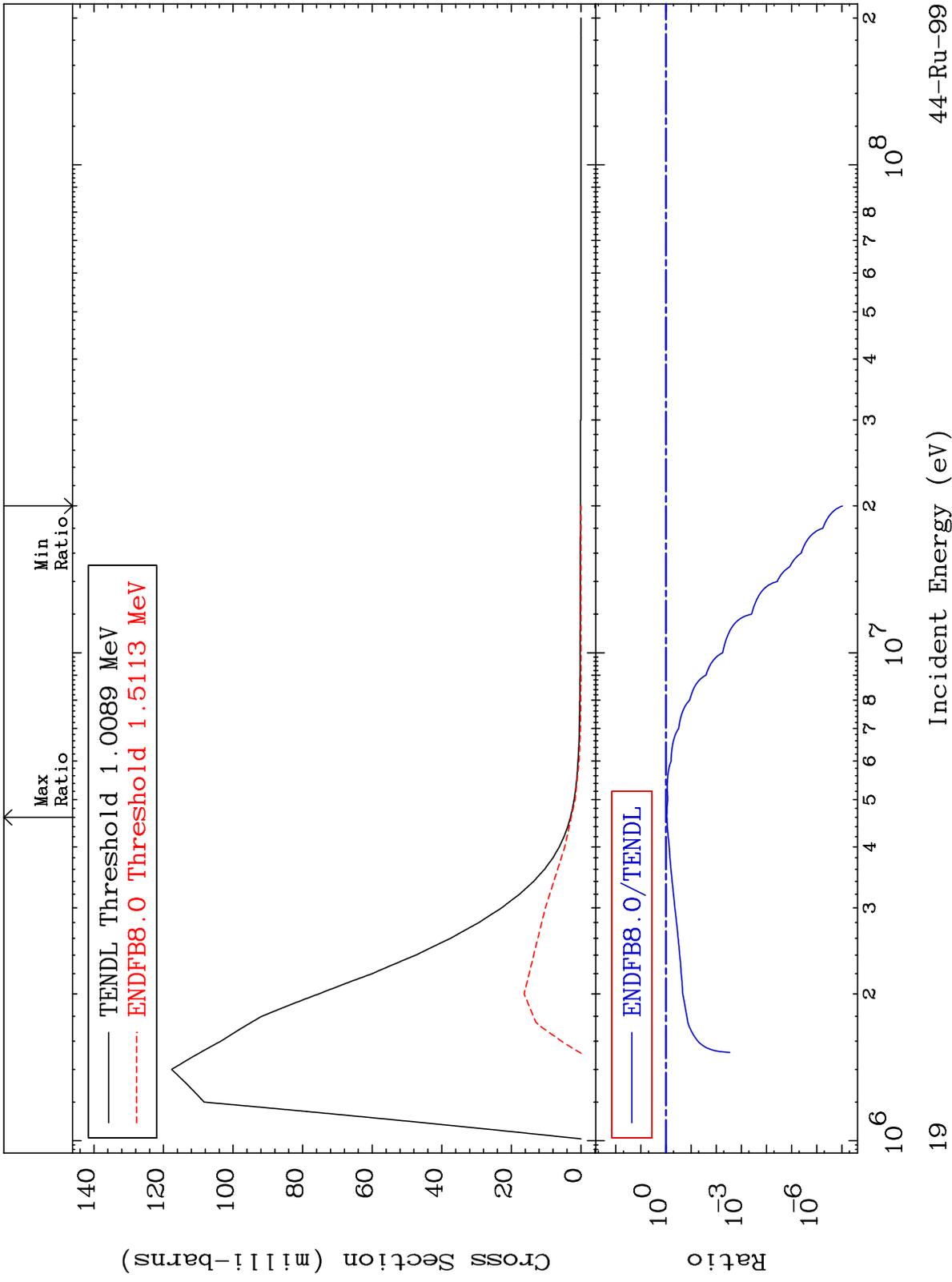
Incident Energy (eV)

44-Ru-99

MAT 4434

MT= 61 (n,n') Level  
Cross Section

44-Ru-99  
-100.0 To -7.600%



44-Ru-99

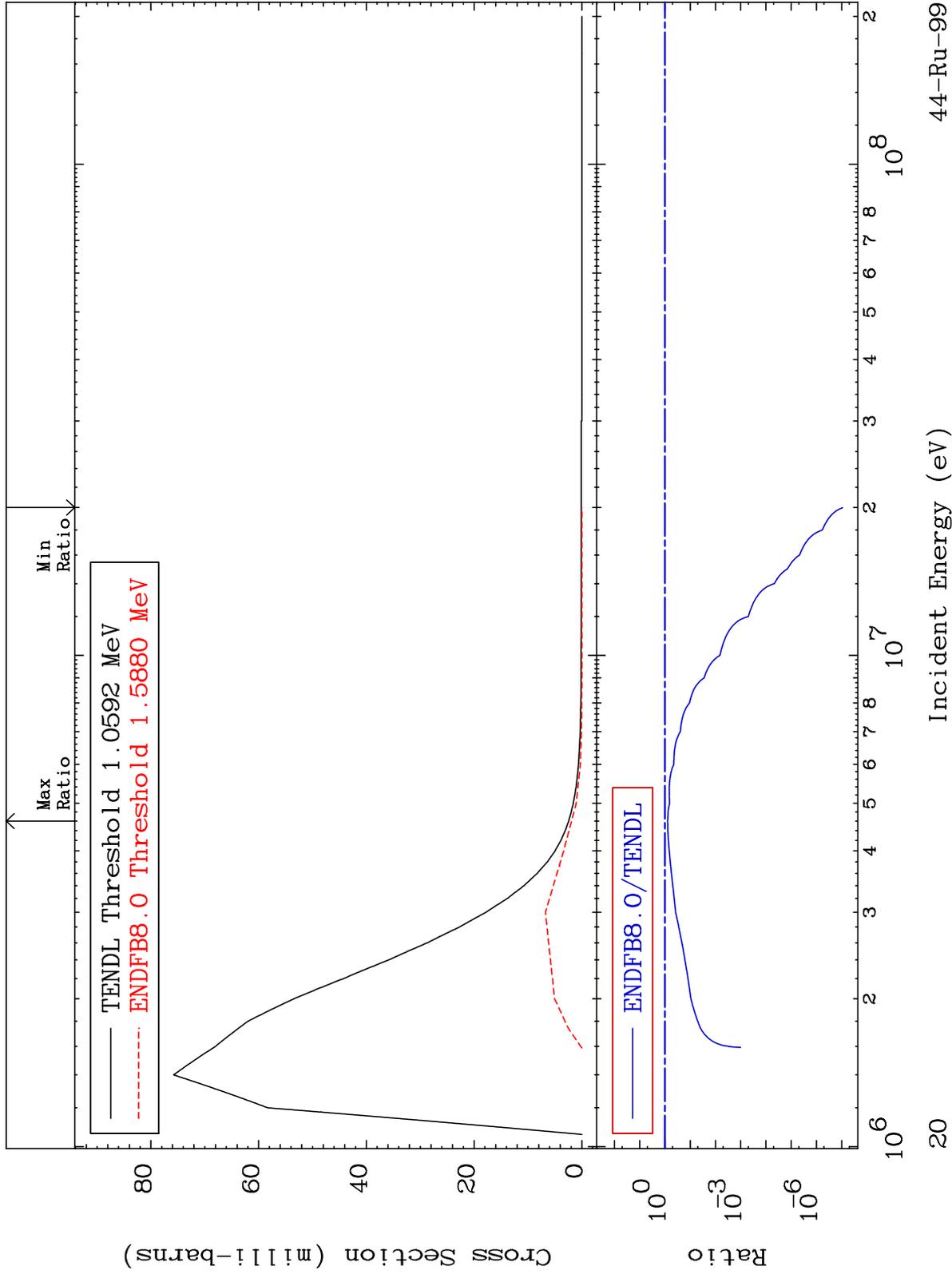
Incident Energy (eV)

19

MAT 4434

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

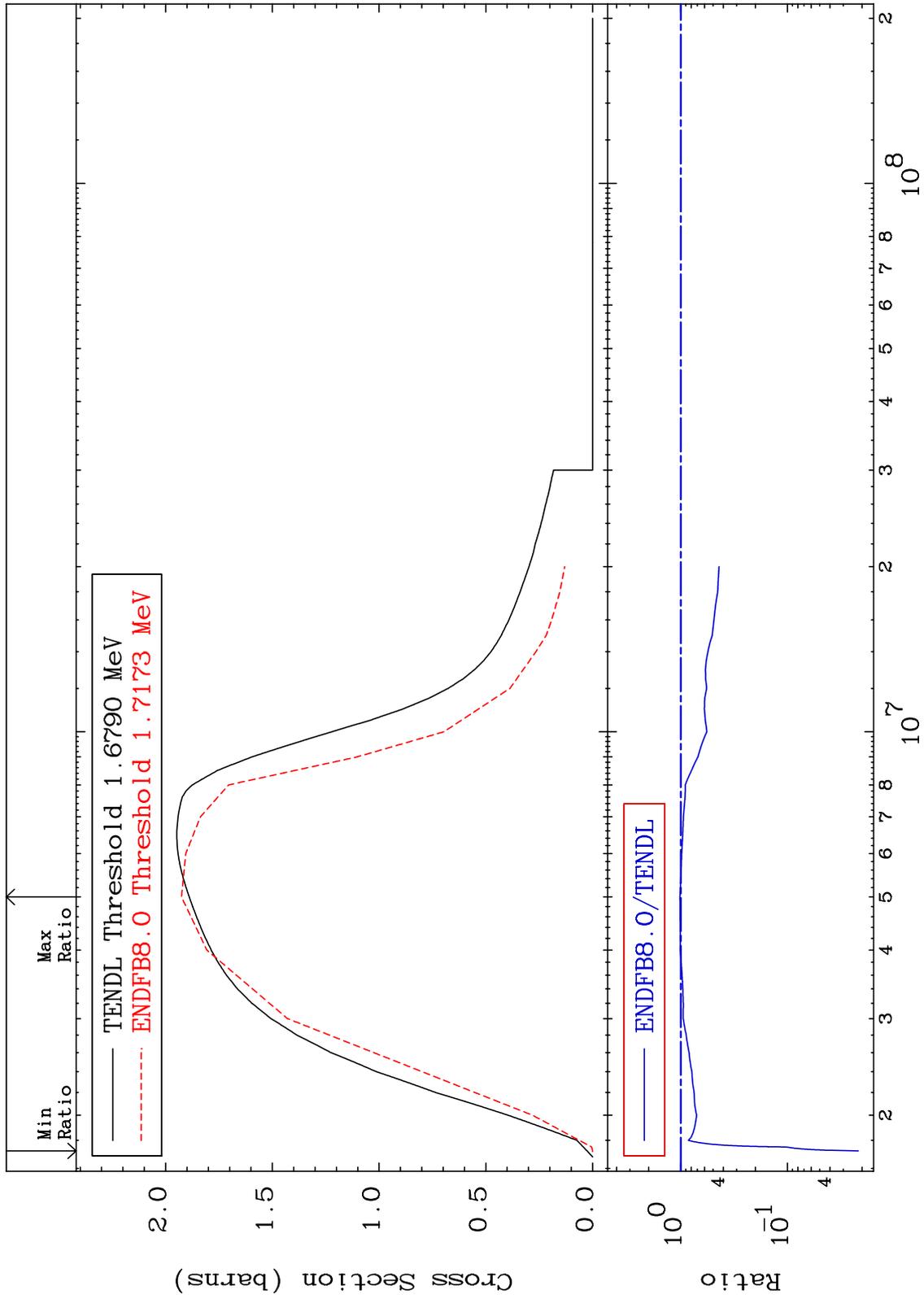
44-Ru-99  
-100.0 To -21.49%



MAT 4434

(n,n') Continuum  
Cross Section

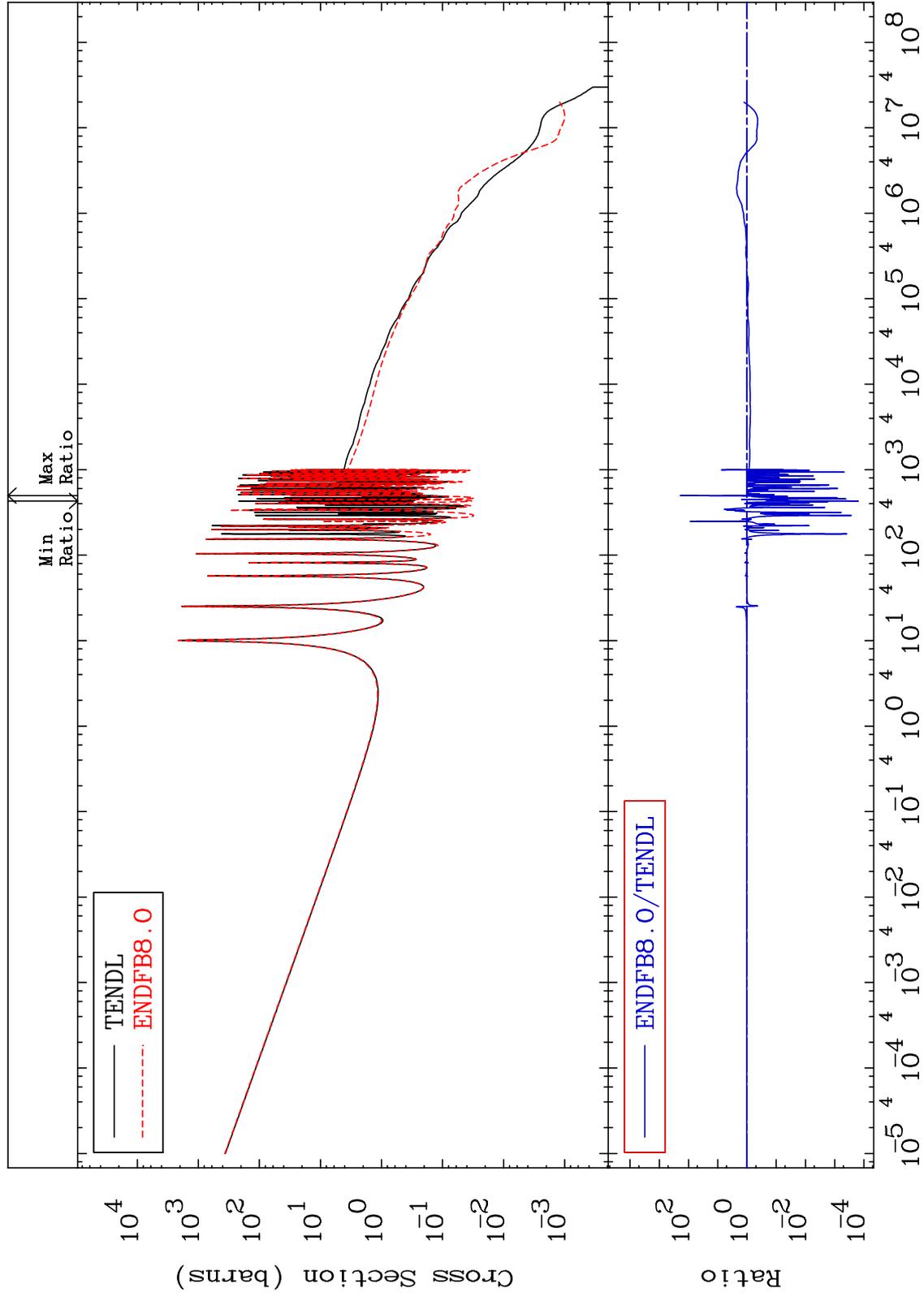
44-Ru-99  
-97.83 To 1.912 %



MAT 4434

(n,  $\gamma$ )  
Cross Section

44-Ru-99  
-99.98 To 9999. %



22

Incident Energy (eV)

44-Ru-99

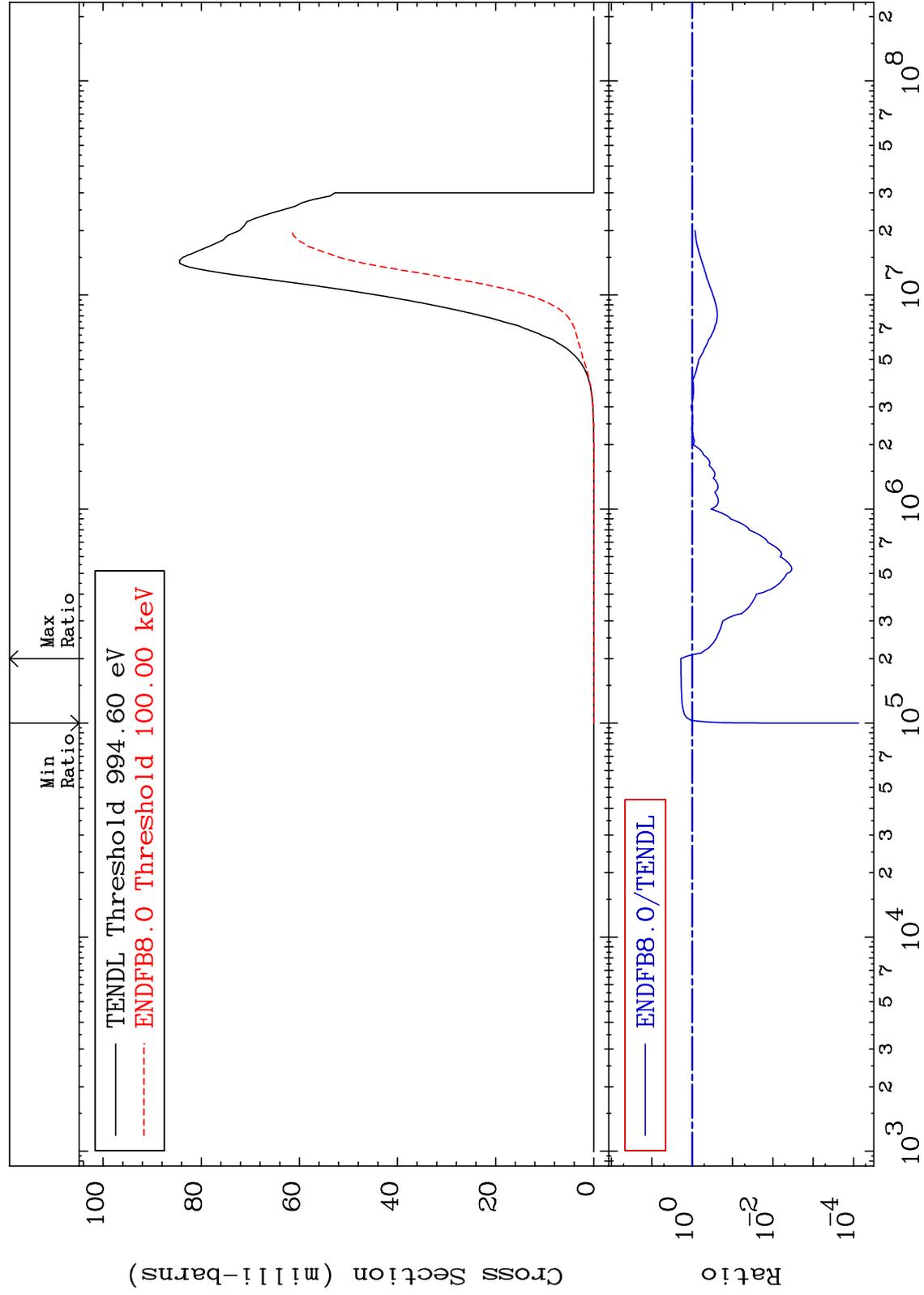
MAT 4434

(n, p)

44-Ru-99

Cross Section

-99.99 To 91.14 %



23

Incident Energy (eV)

44-Ru-99

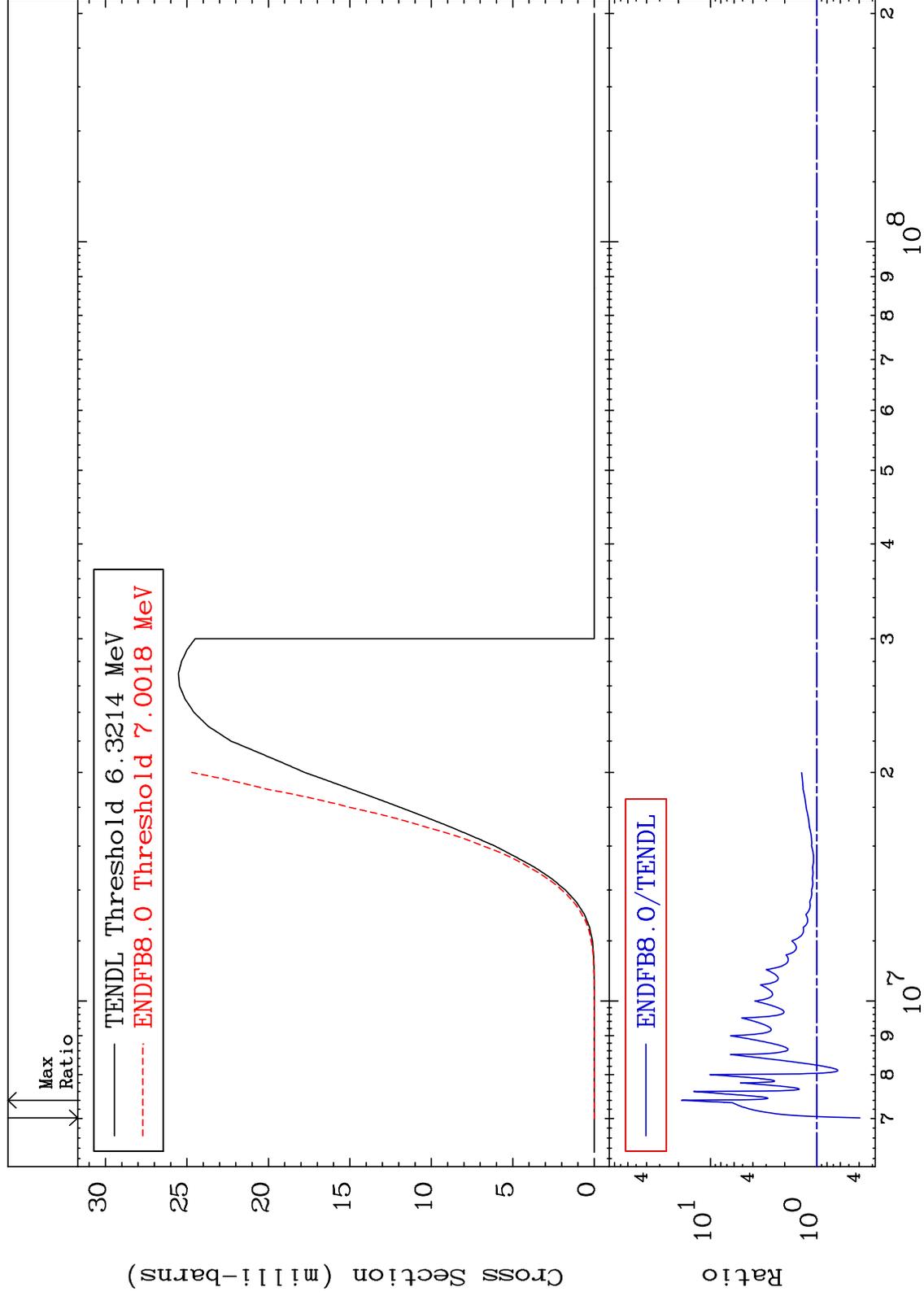
MAT 4434

(n, d)

44-Ru-99

Cross Section

-60.80 To 1771. %



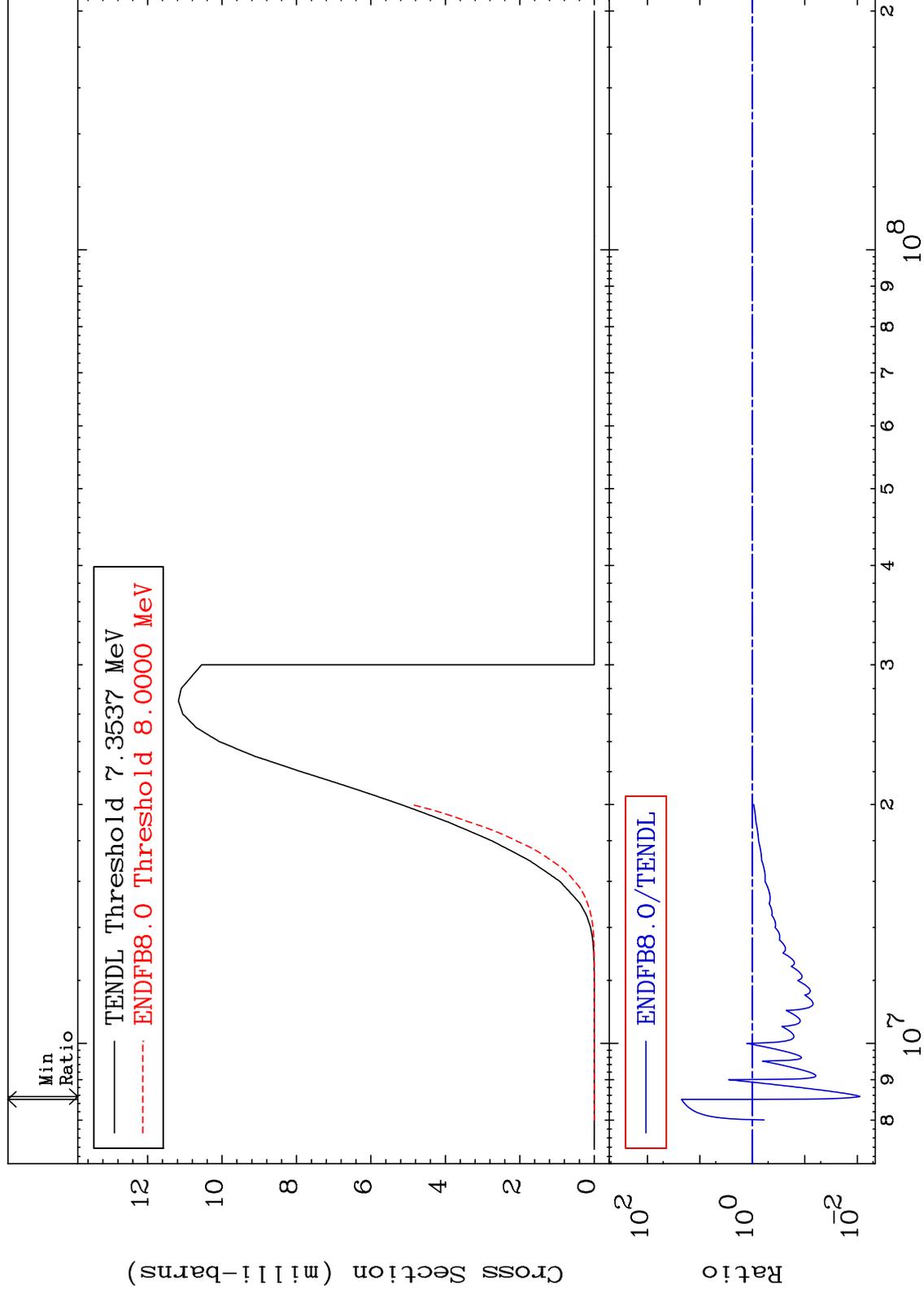
MAT 4434

(n, t)

44-Ru-99

Cross Section

-99.11 To 2136. %



25

44-Ru-99

44-Ru-99

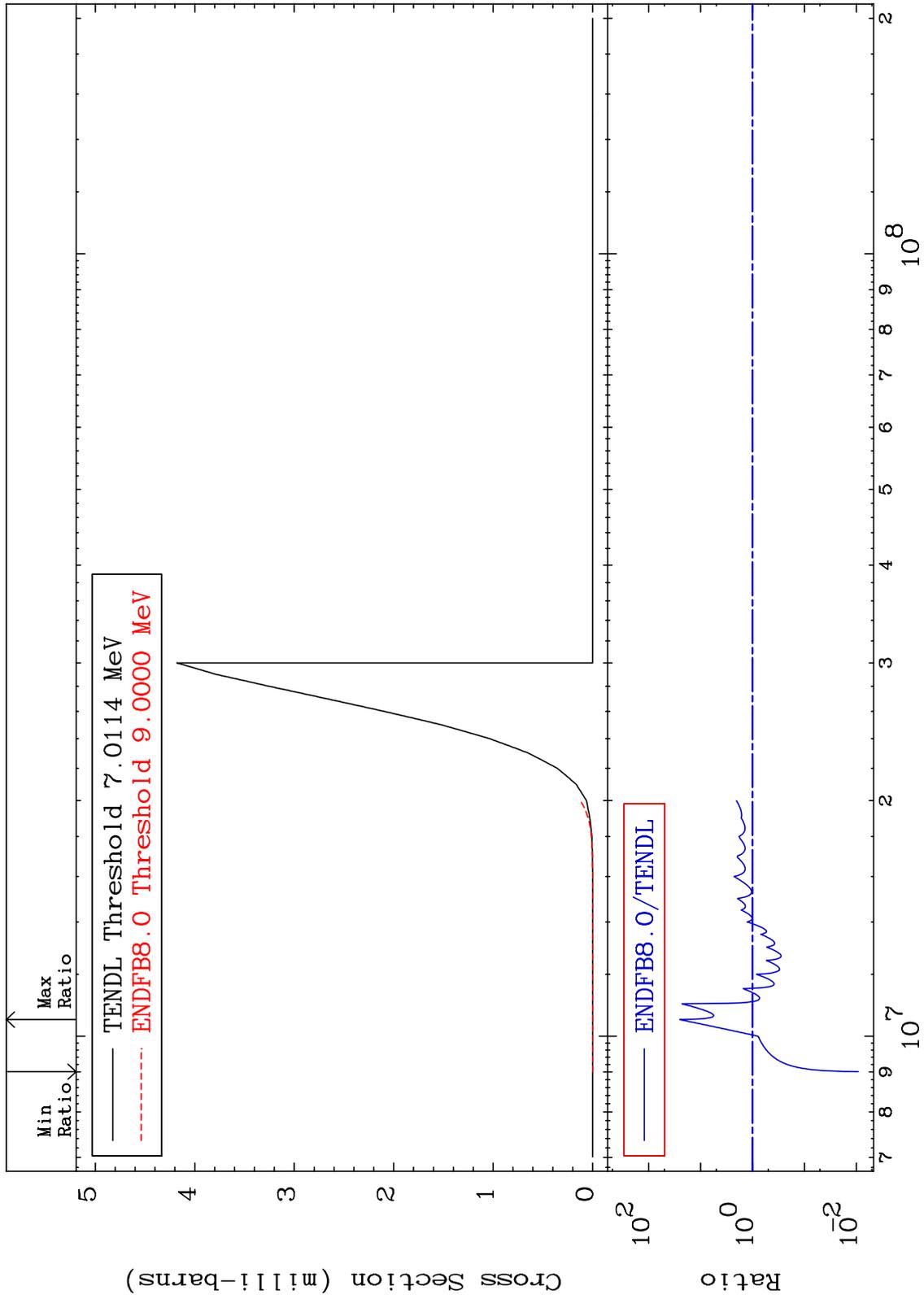
MAT 4434

(n, He-3)

44-Ru-99

Cross Section

-99.09 To 2407. %



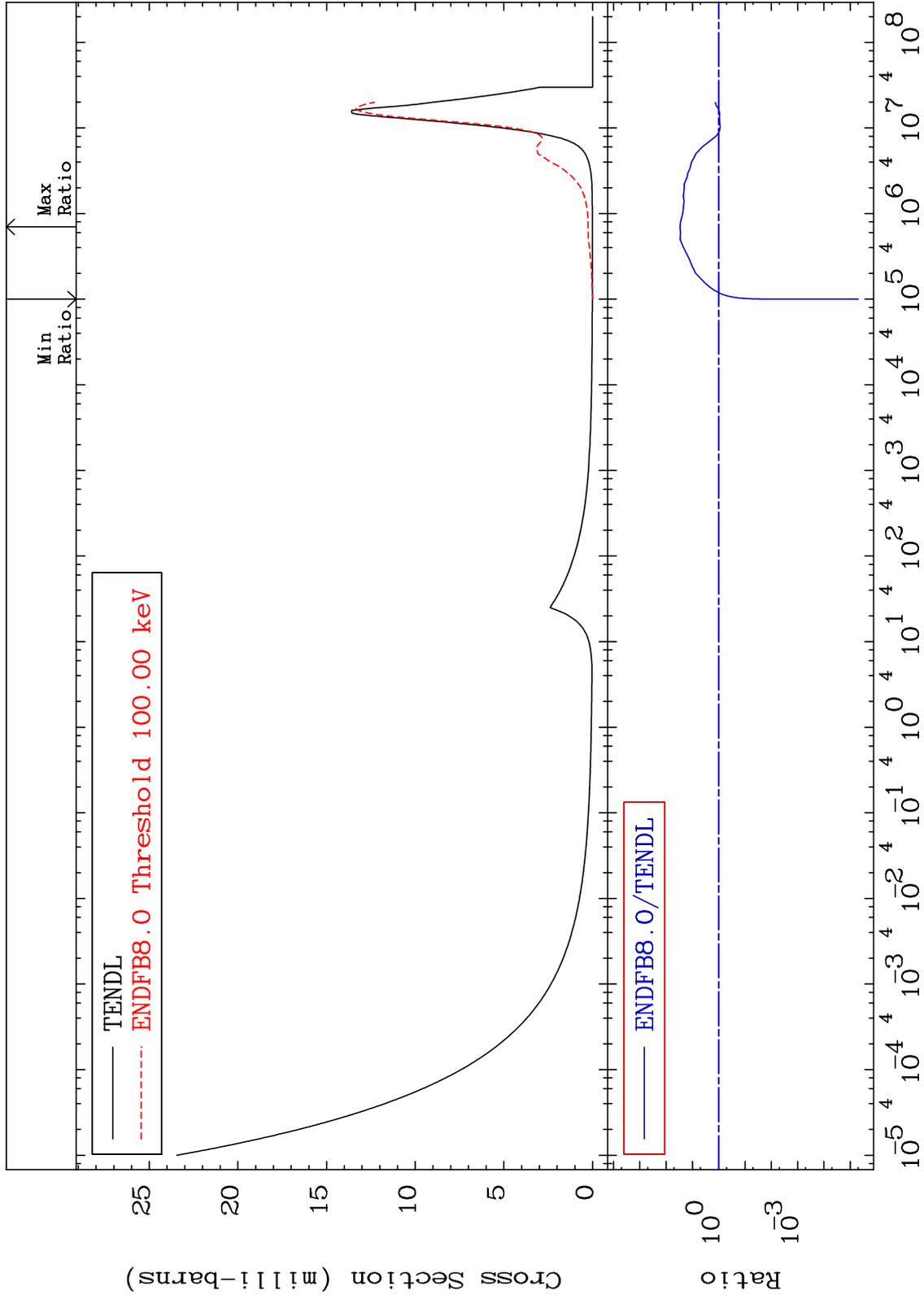
MAT 4434

(n,  $\alpha$ )

44-Ru-99

Cross Section

-100.0 To 2884. %

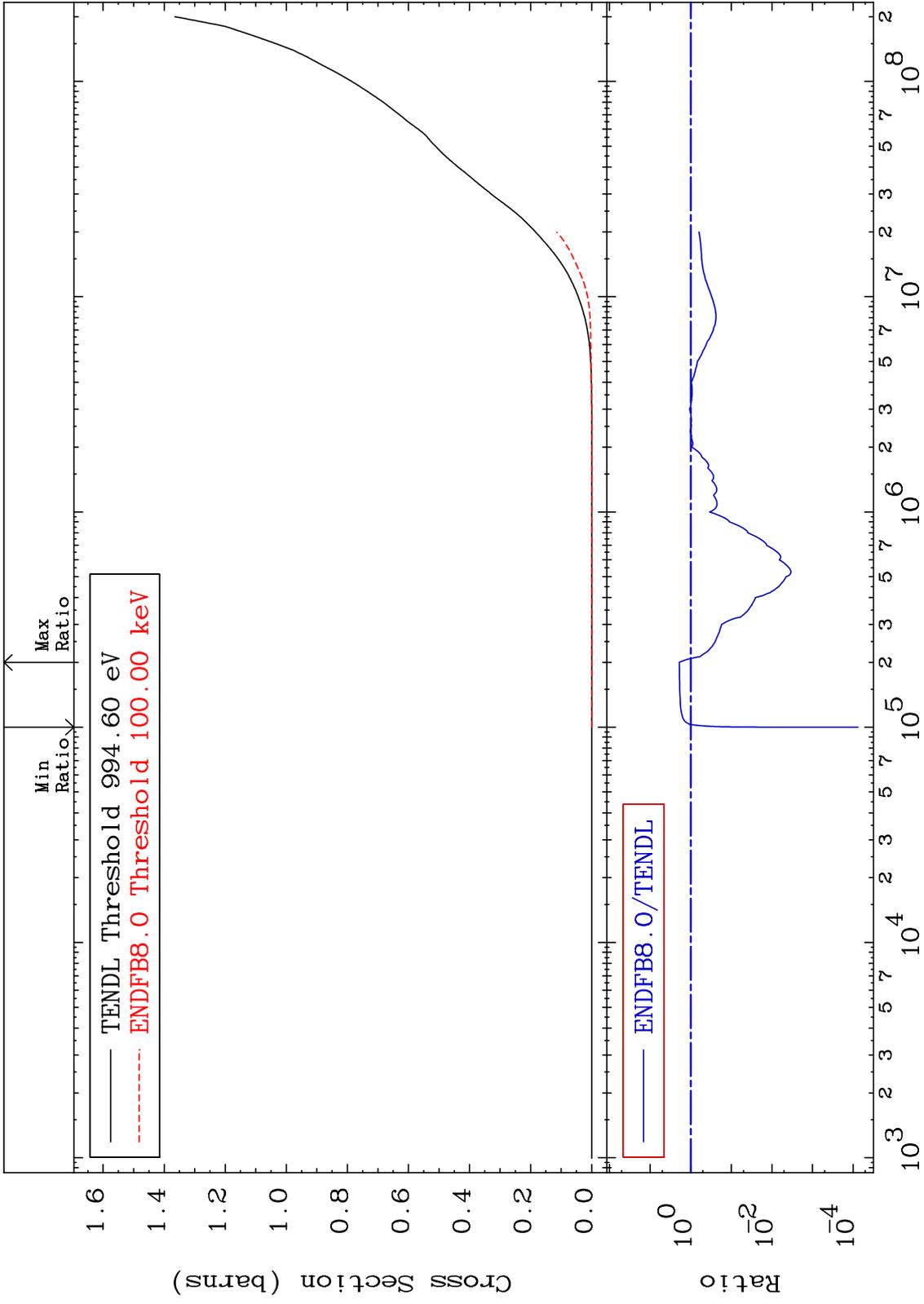


27

MAT 4434

### Hydrogen Production Cross Section

44-Ru-99  
-99.99 To 91.14 %



28

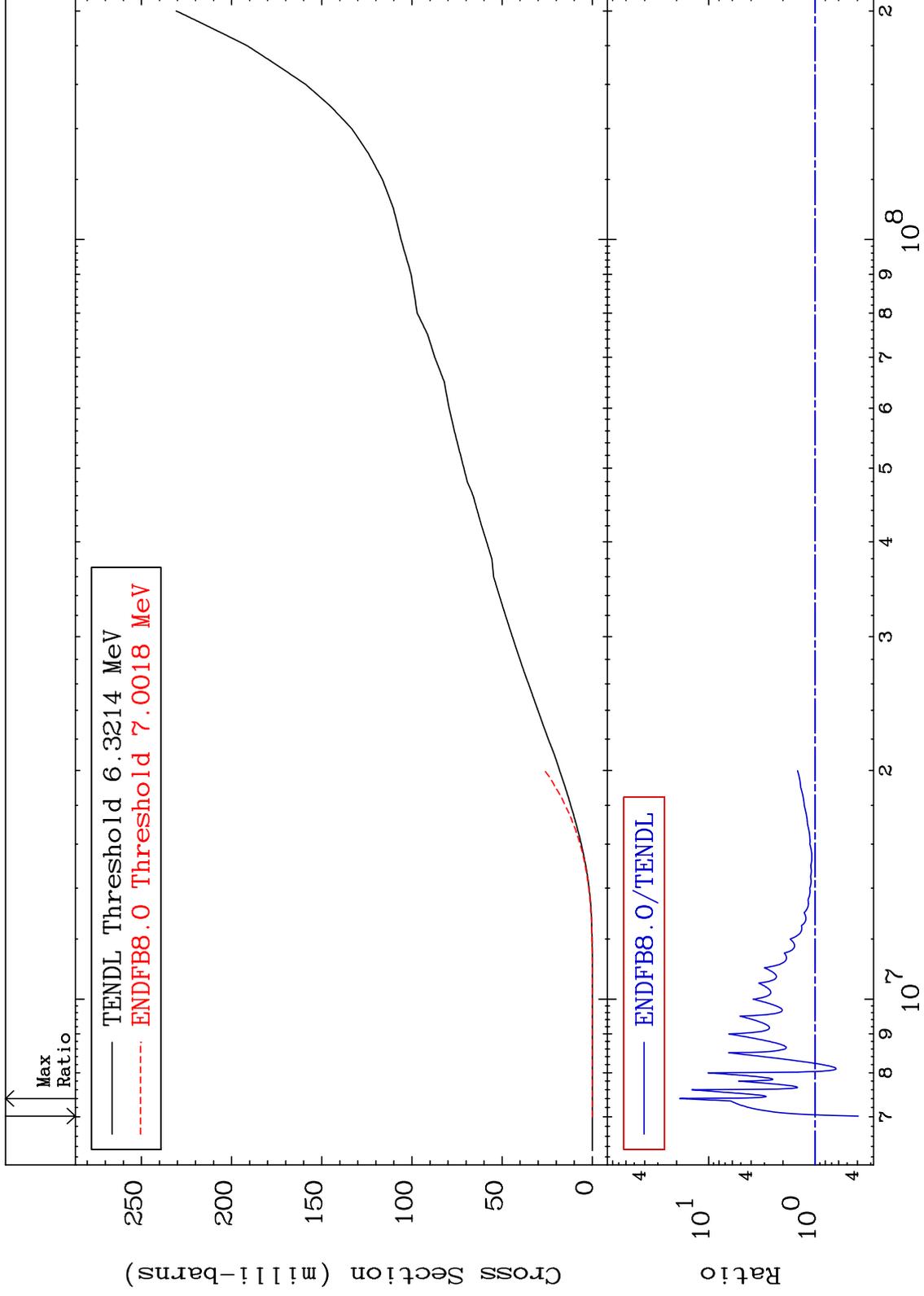
Incident Energy (eV)

44-Ru-99

MAT 4434

Deuterium Production  
Cross Section

44-Ru-99  
-60.80 To 1771. %



29

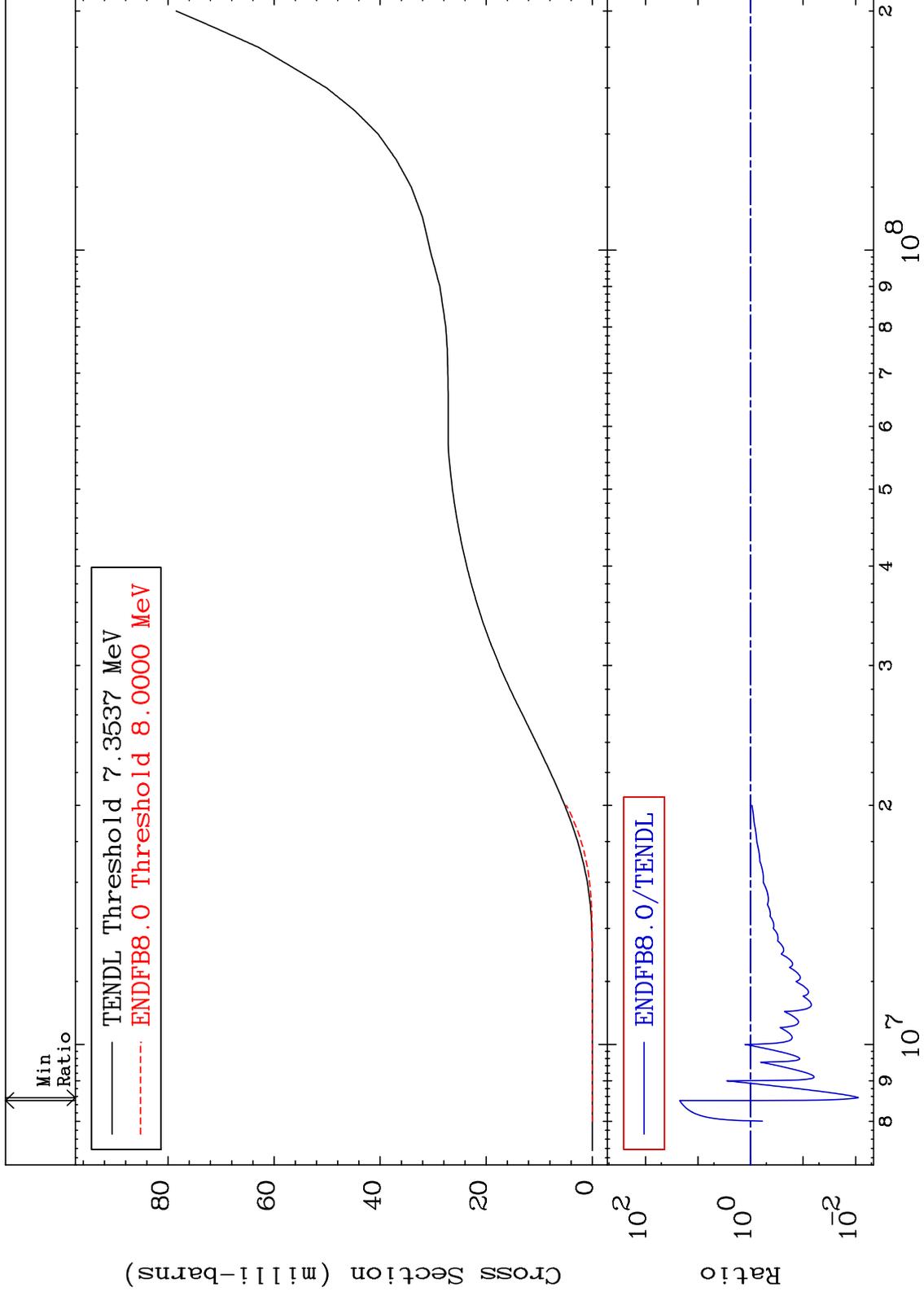
Incident Energy (eV)

44-Ru-99

MAT 4434

Tritium Production  
Cross Section

44-Ru-99  
-99.11 To 2136. %



30

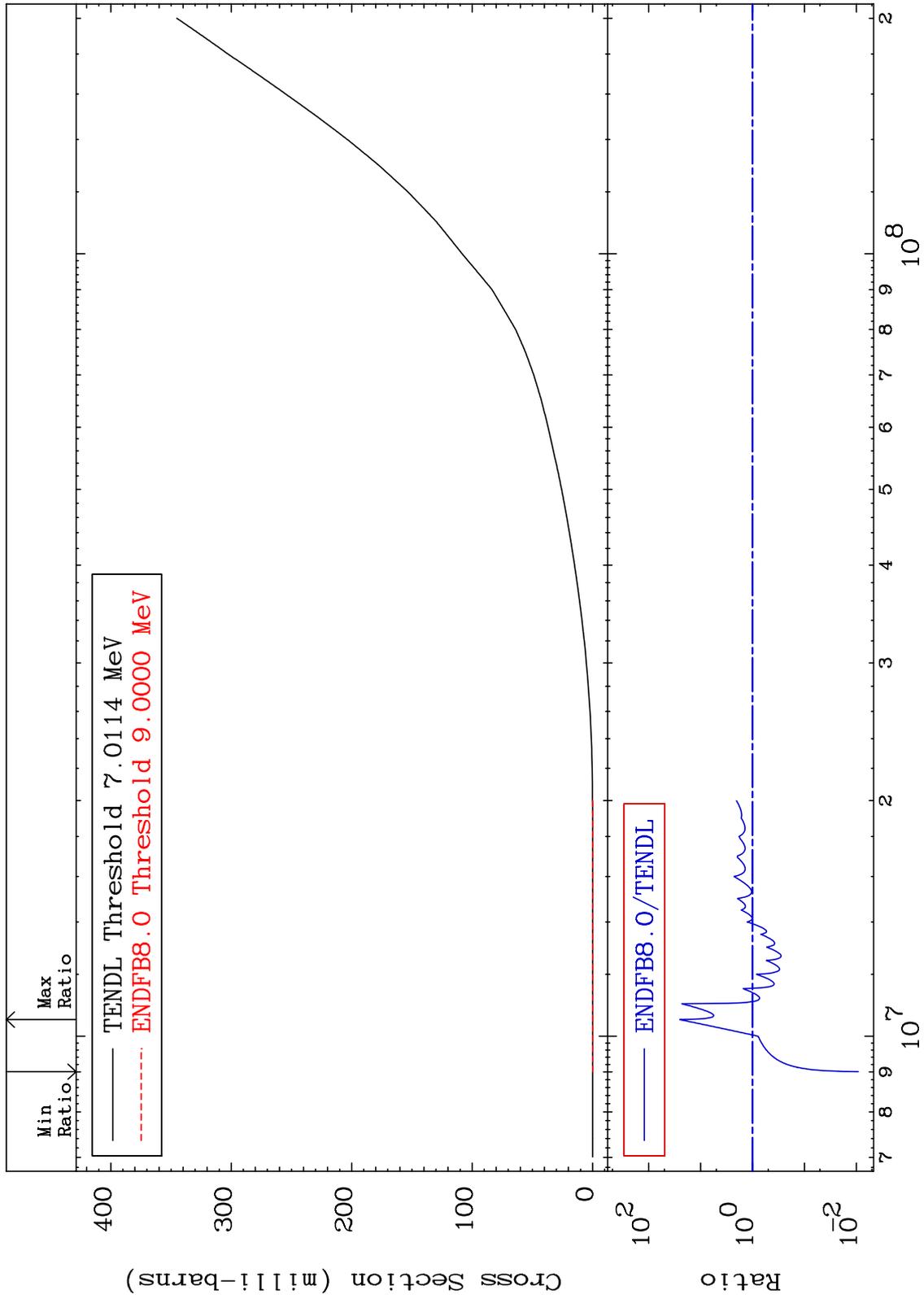
Incident Energy (eV)

44-Ru-99

MAT 4434

He-3 Production  
Cross Section

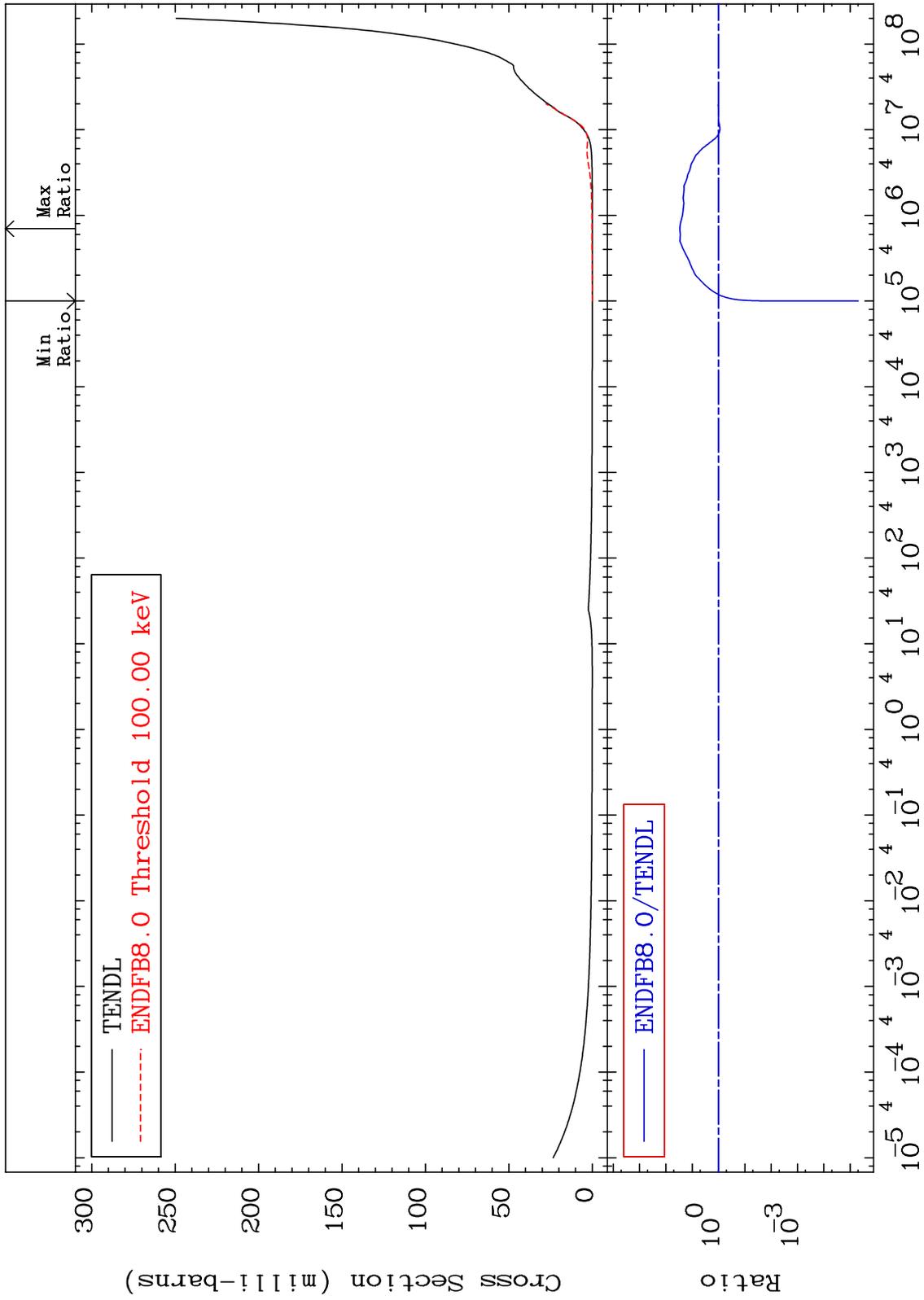
44-Ru-99  
-99.09 To 2407. %



MAT 4434

He-4 Production  
Cross Section

44-Ru-99  
-100.0 To 2884. %



32

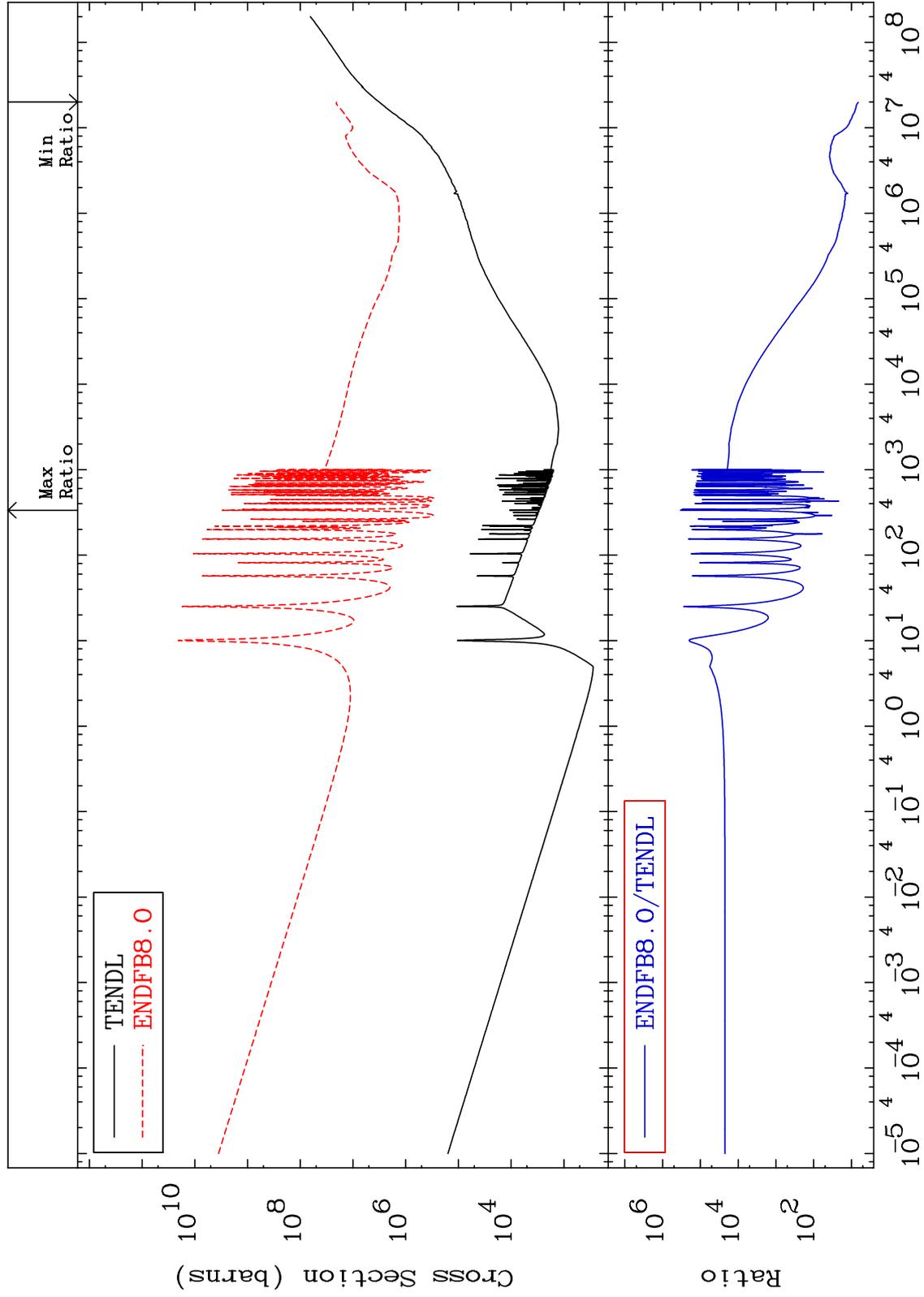
Incident Energy (eV)

44-Ru-99

MAT 4434

Kerma total (eV-barns)  
Cross Section

44-Ru-99  
549.7 To 9999. %



33

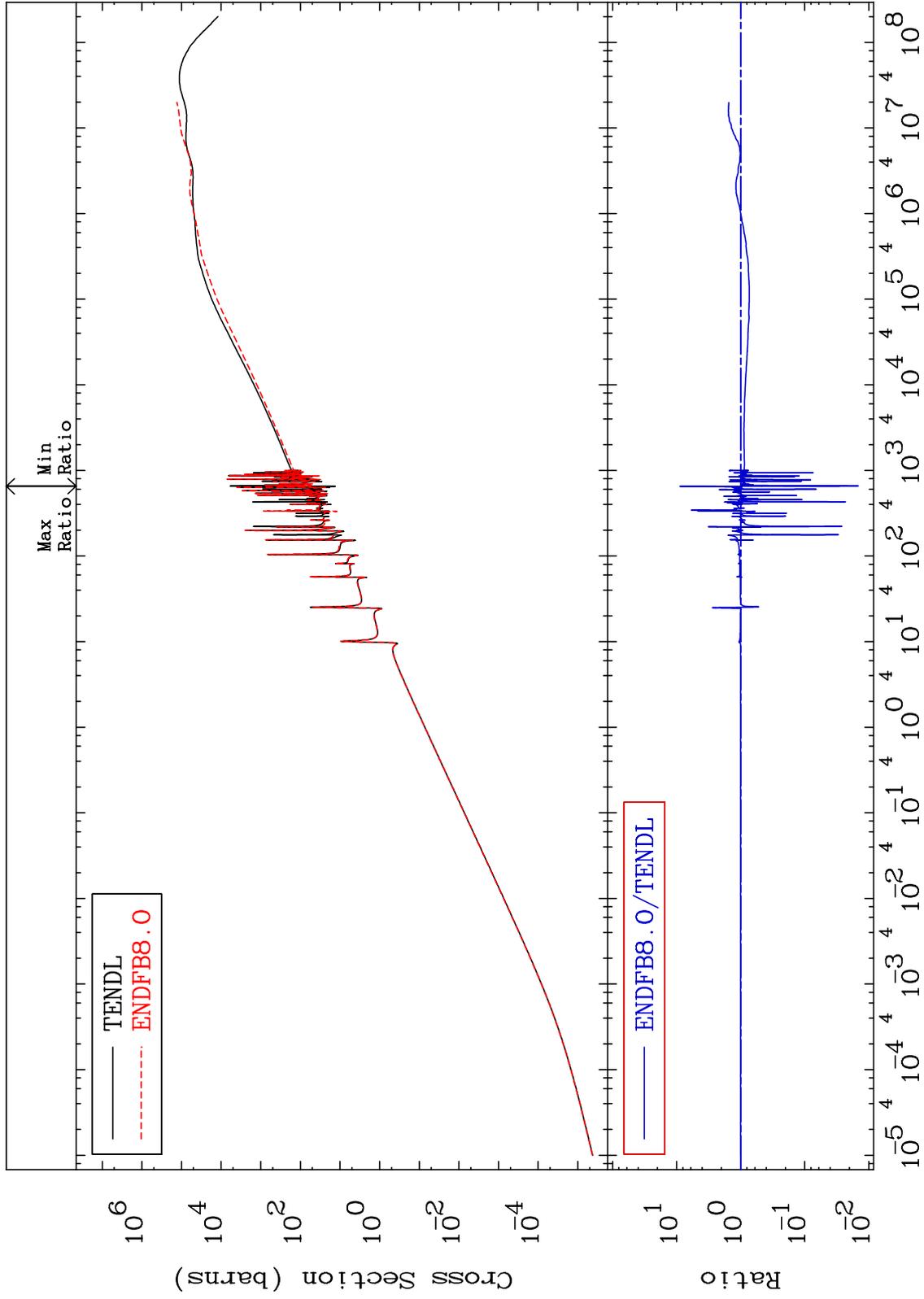
Incident Energy (eV)

44-Ru-99

MAT 4434

Kerma elastic  
Cross Section

44-Ru-99  
-98.55 To 789.3 %



34

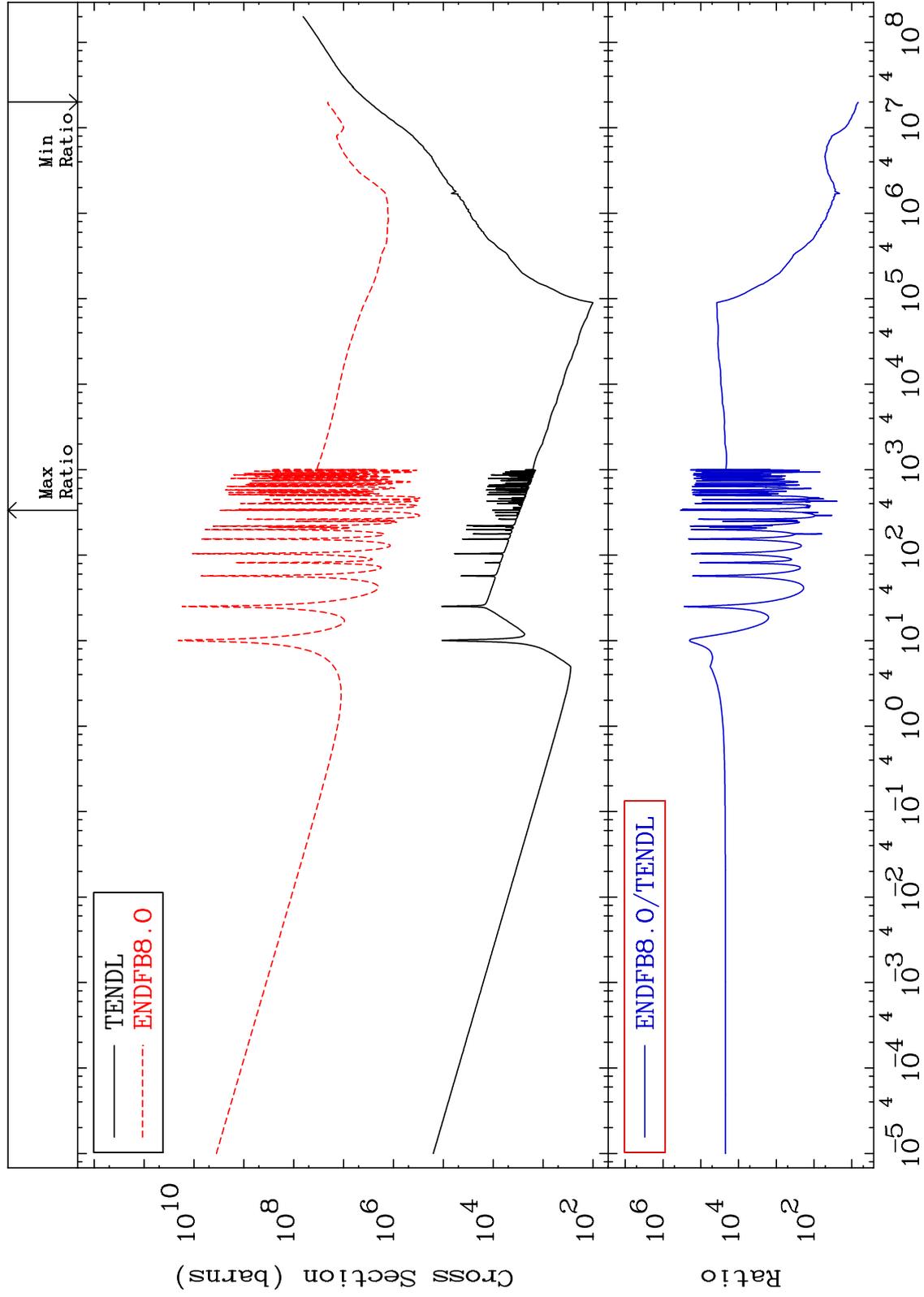
Incident Energy (eV)

44-Ru-99

MAT 4434

Kerma non-elastic (all but mt2)  
Cross Section

44-Ru-99  
563.4 To 9999. %



35

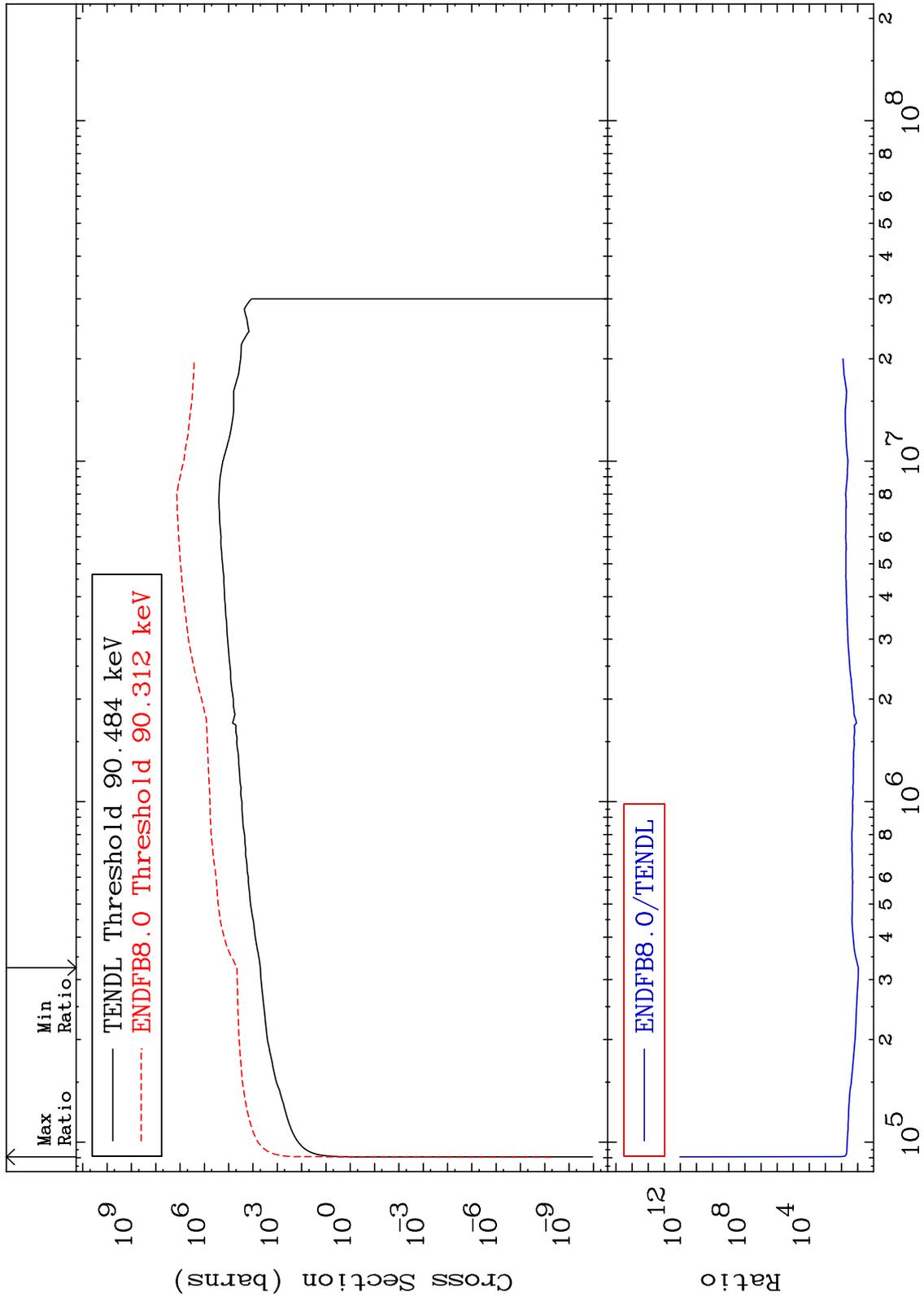
Incident Energy (eV)

44-Ru-99

MAT 4434

Kerma inelastic (mt51-91)  
Cross Section

44-Ru-99  
802.3 To 9999. %



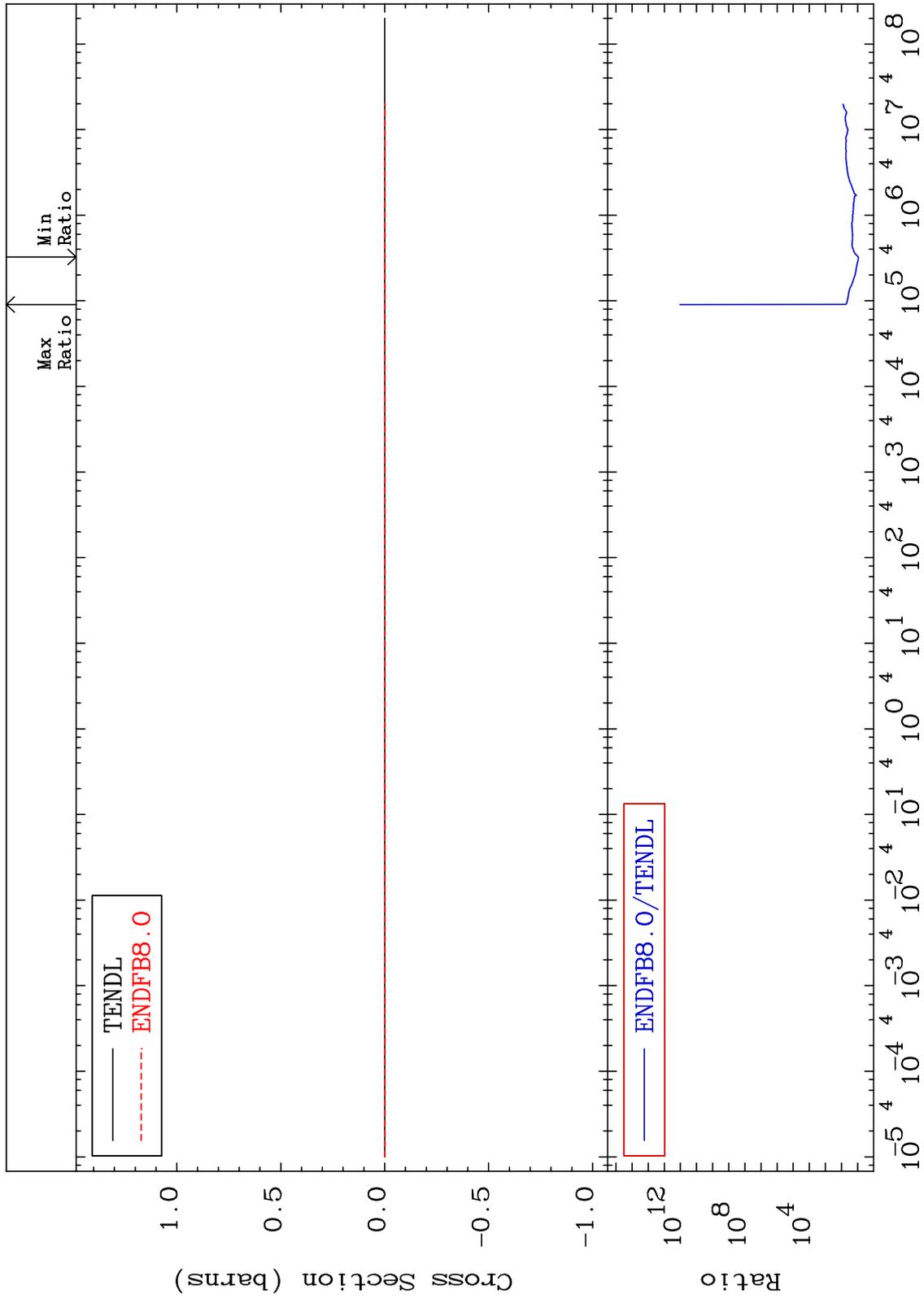
36

44-Ru-99

MAT 4434

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

44-Ru-99  
802.3 To 9999. %



37

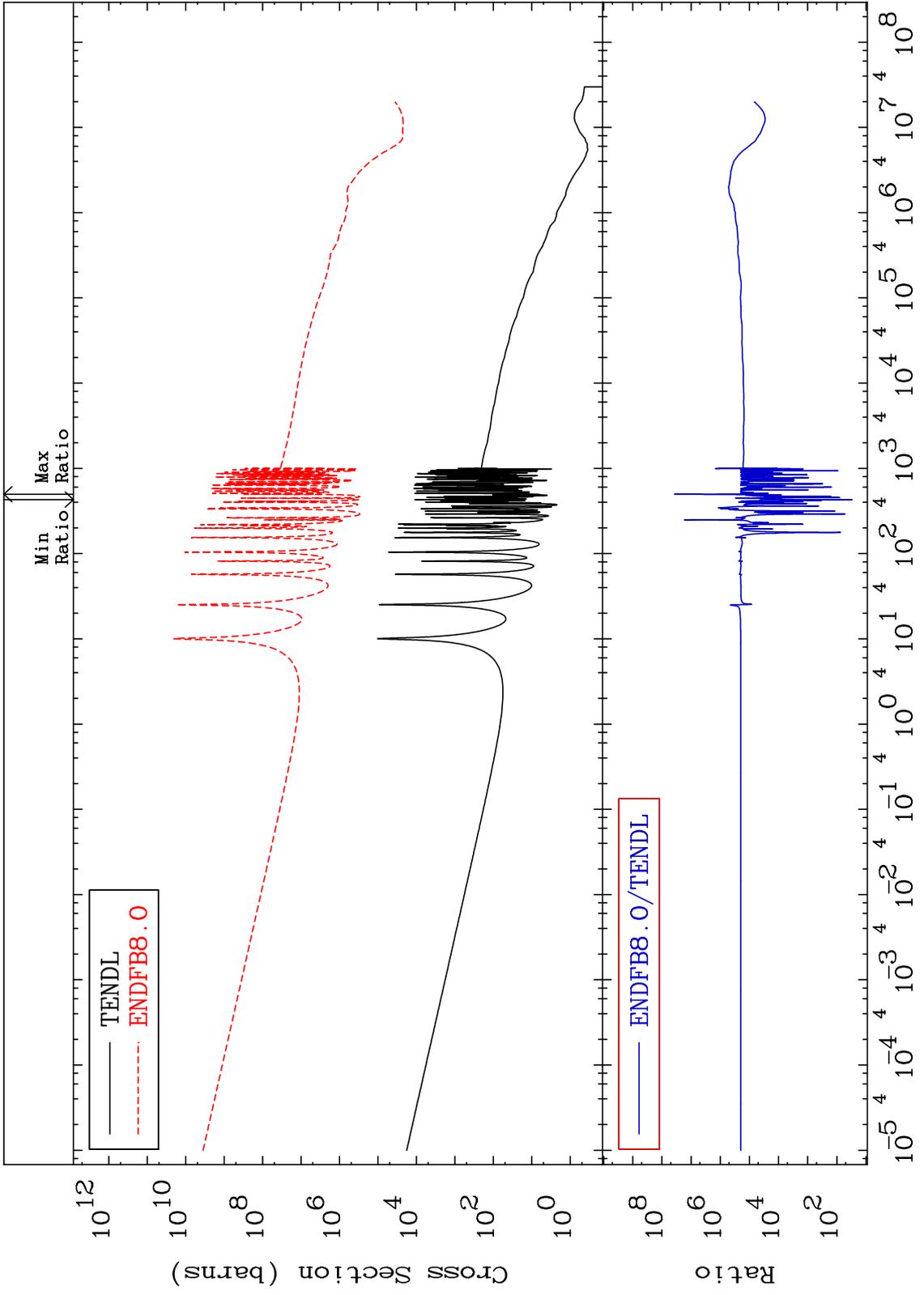
Incident Energy (eV)

44-Ru-99

MAT 4434

Kerma capture (mt102)  
Cross Section

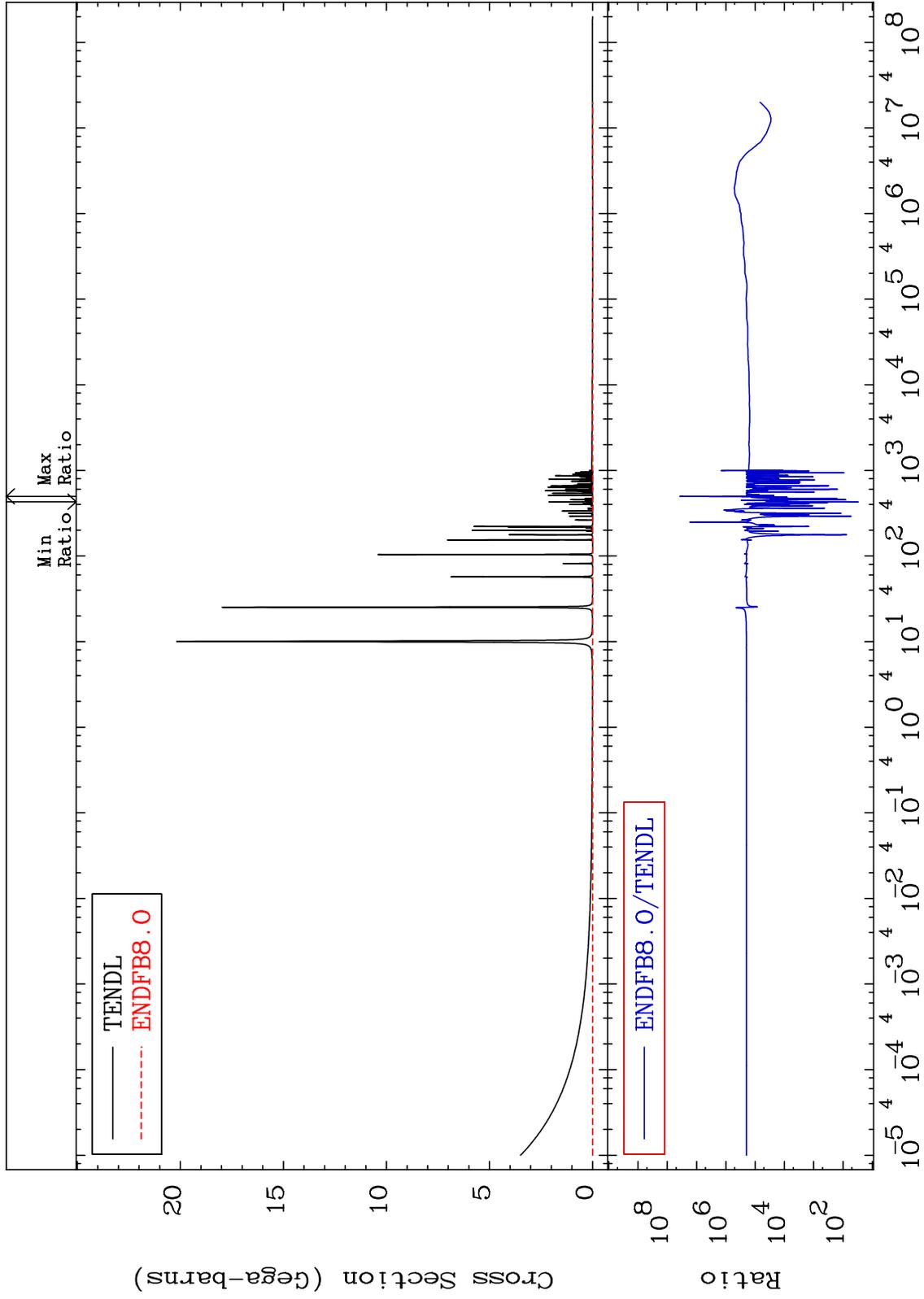
44-Ru-99  
2880. To 9999. %



MAT 4434

Total photon (eV-barns)  
Cross Section

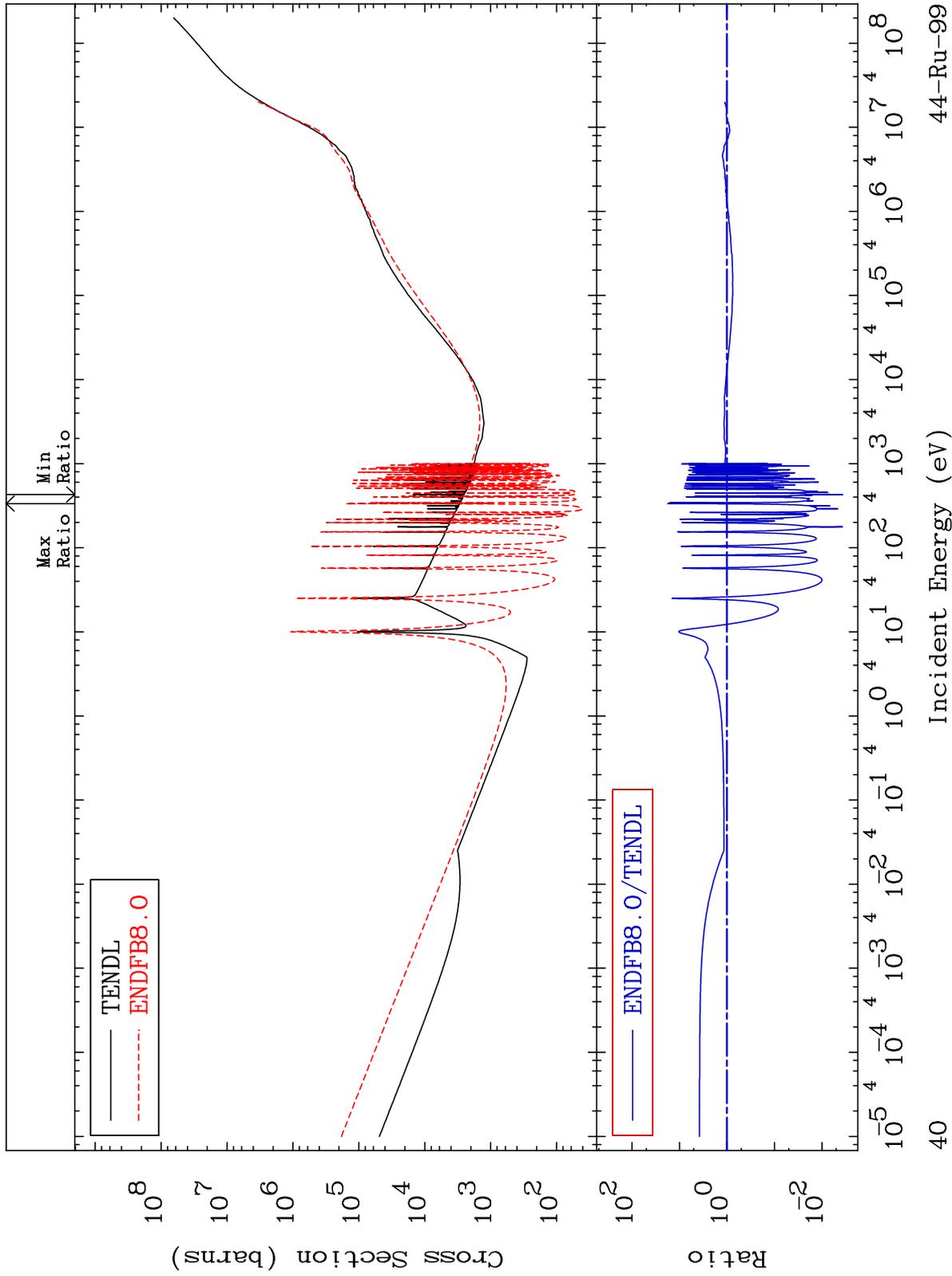
44-Ru-99  
2880. To 9999. %



MAT 4434

Total kinematic kerma (high limit)  
Cross Section

44-Ru-99  
-99.64 To 1675. %



40

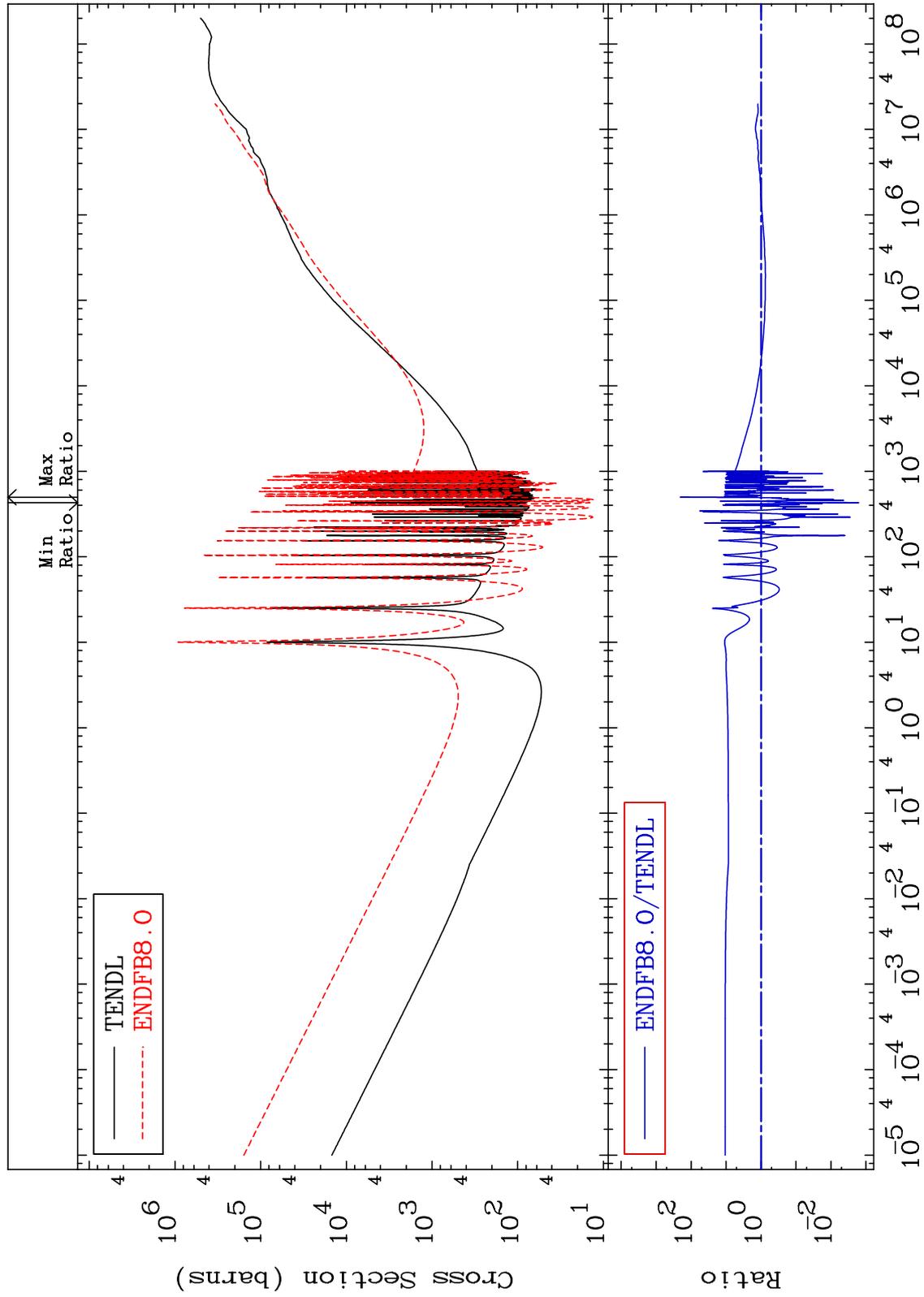
Incident Energy (eV)

44-Ru-99

MAT 4434

Dpa total (eV-barns)  
Cross Section

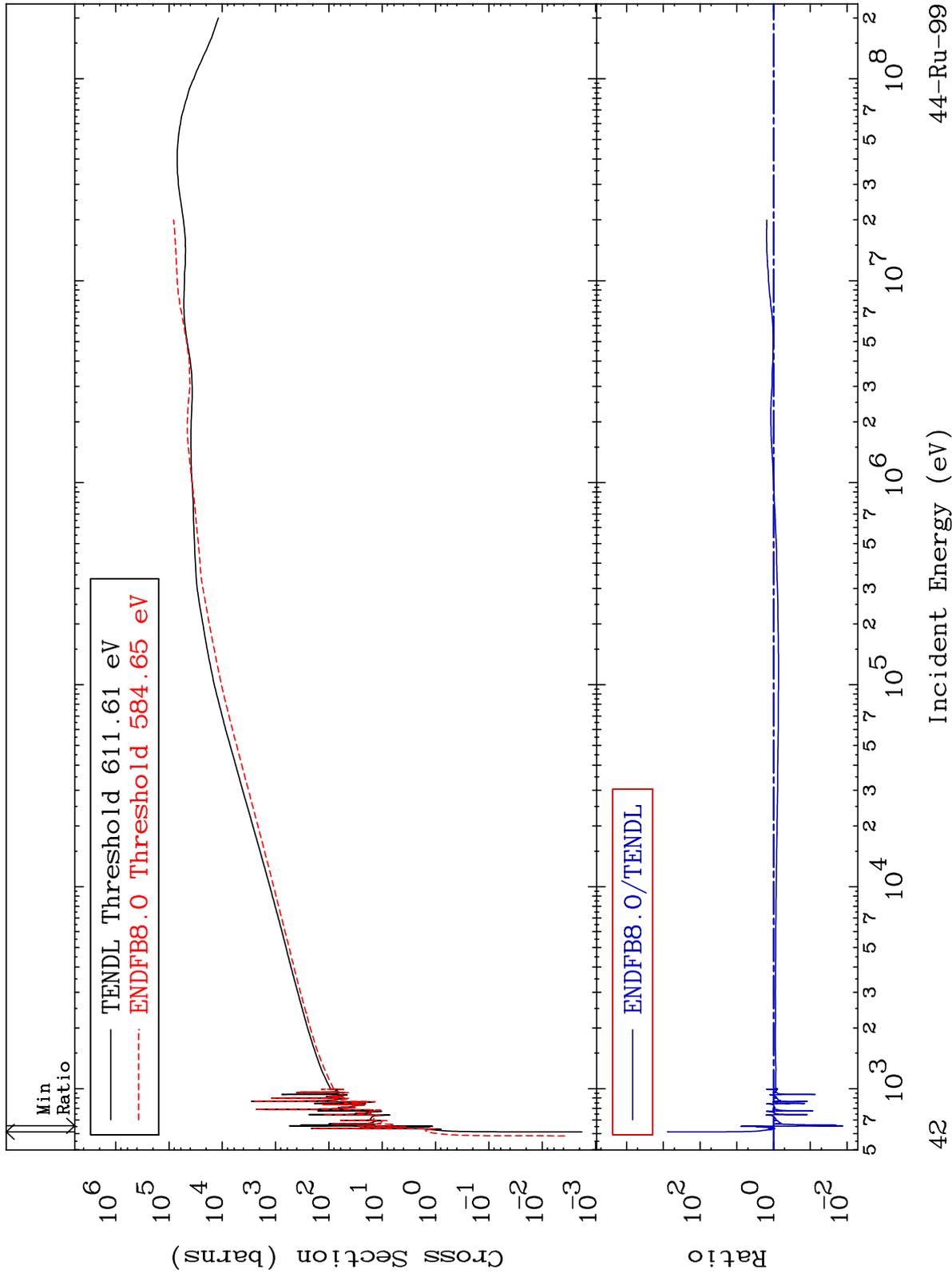
44-Ru-99  
-99.84 To 9999. %



MAT 4434

Dpa elastic (mt2)  
Cross Section

44-Ru-99  
-98.70 To 9999. %



42

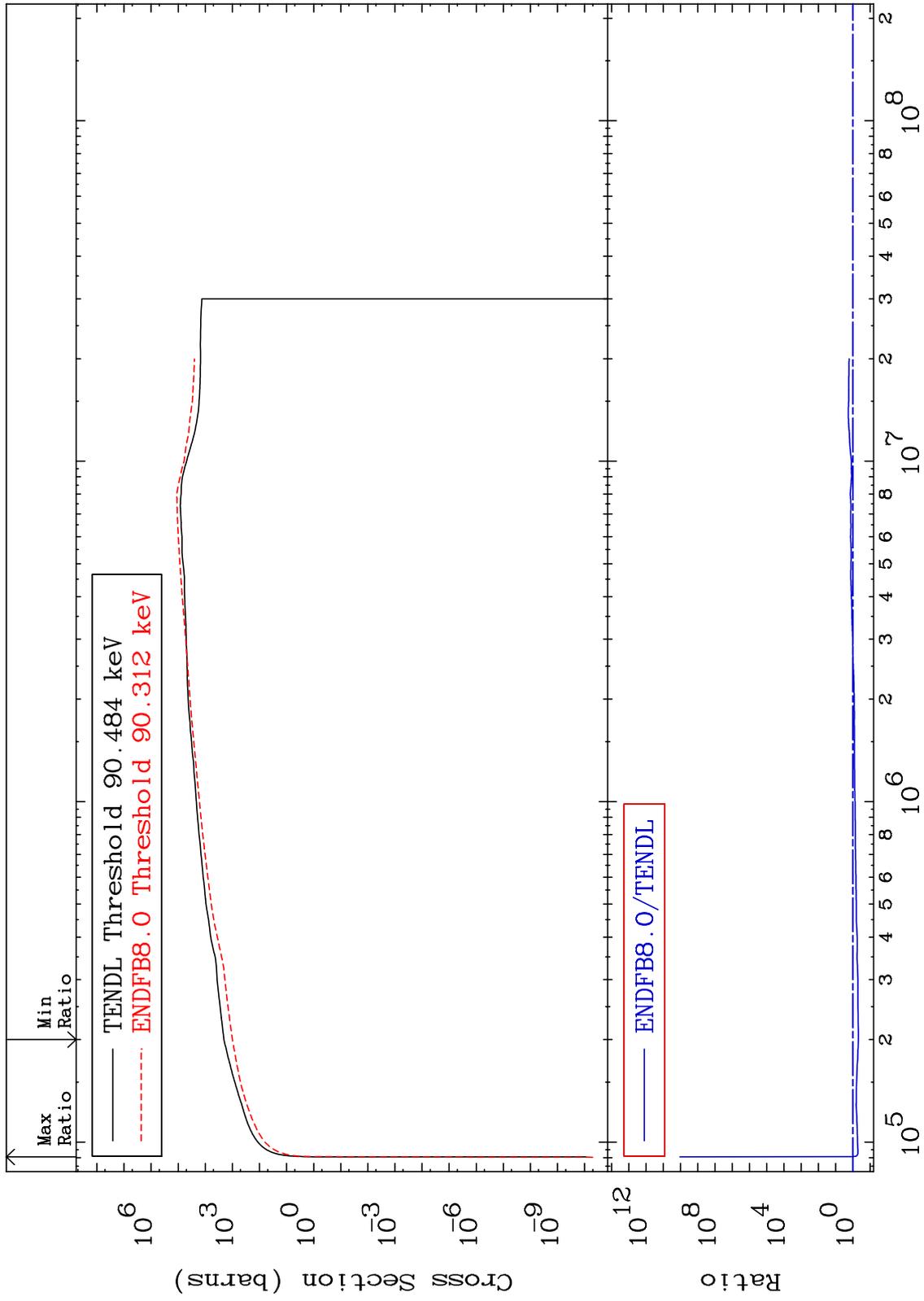
Incident Energy (eV)

44-Ru-99

MAT 4434

Dpa inelastic (mt51-91)  
Cross Section

44-Ru-99  
-51.48 To 9999. %



43

Incident Energy (eV)

44-Ru-99

MAT 4434

Dpa disappearance (mt102 -120)  
Cross Section

44-Ru-99  
-99.84 To 9999. %

