

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

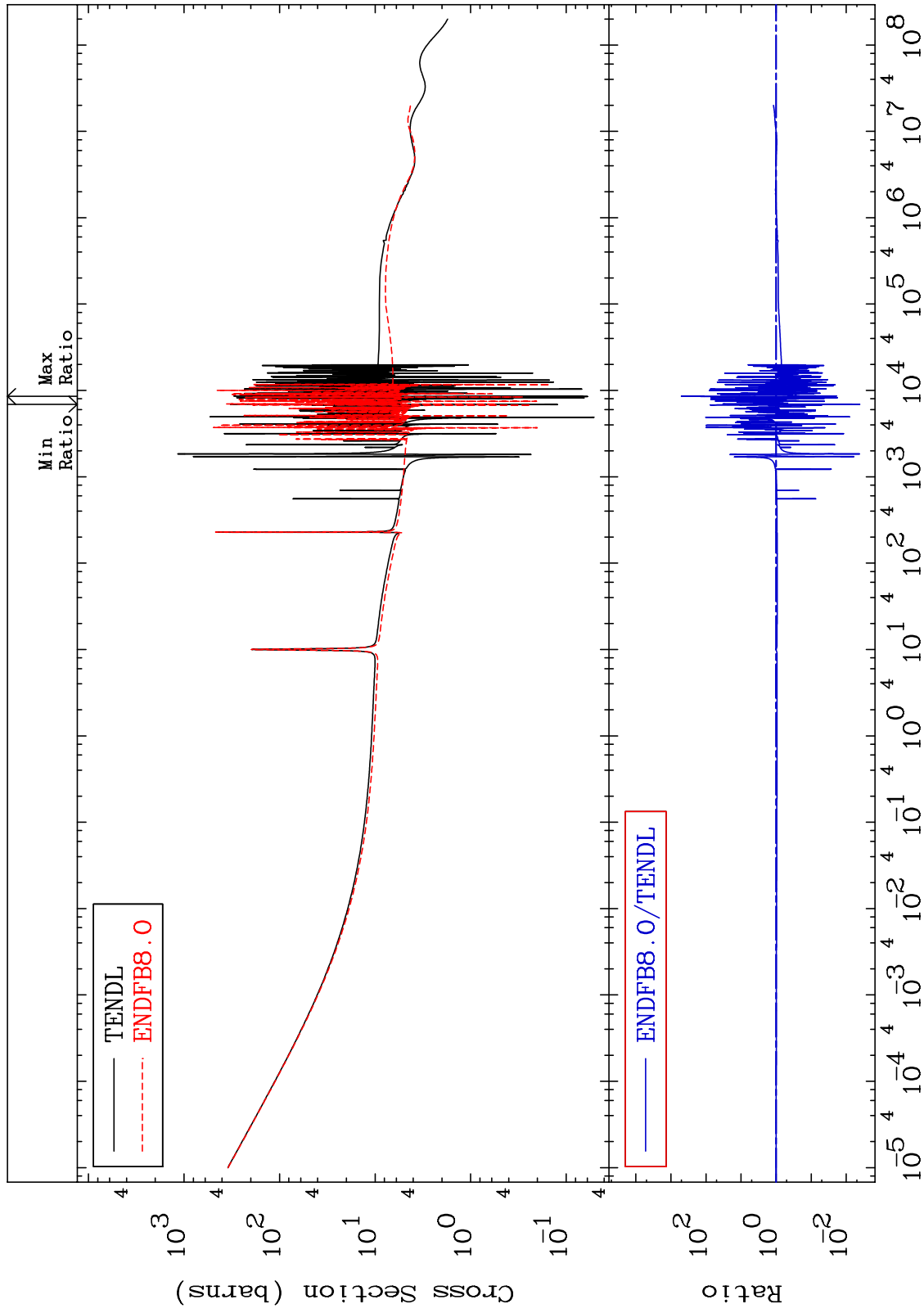
MAT 4437

Total

44-Ru-100

Cross Section

-99.59 To 9999. %



Incident Energy (eV)

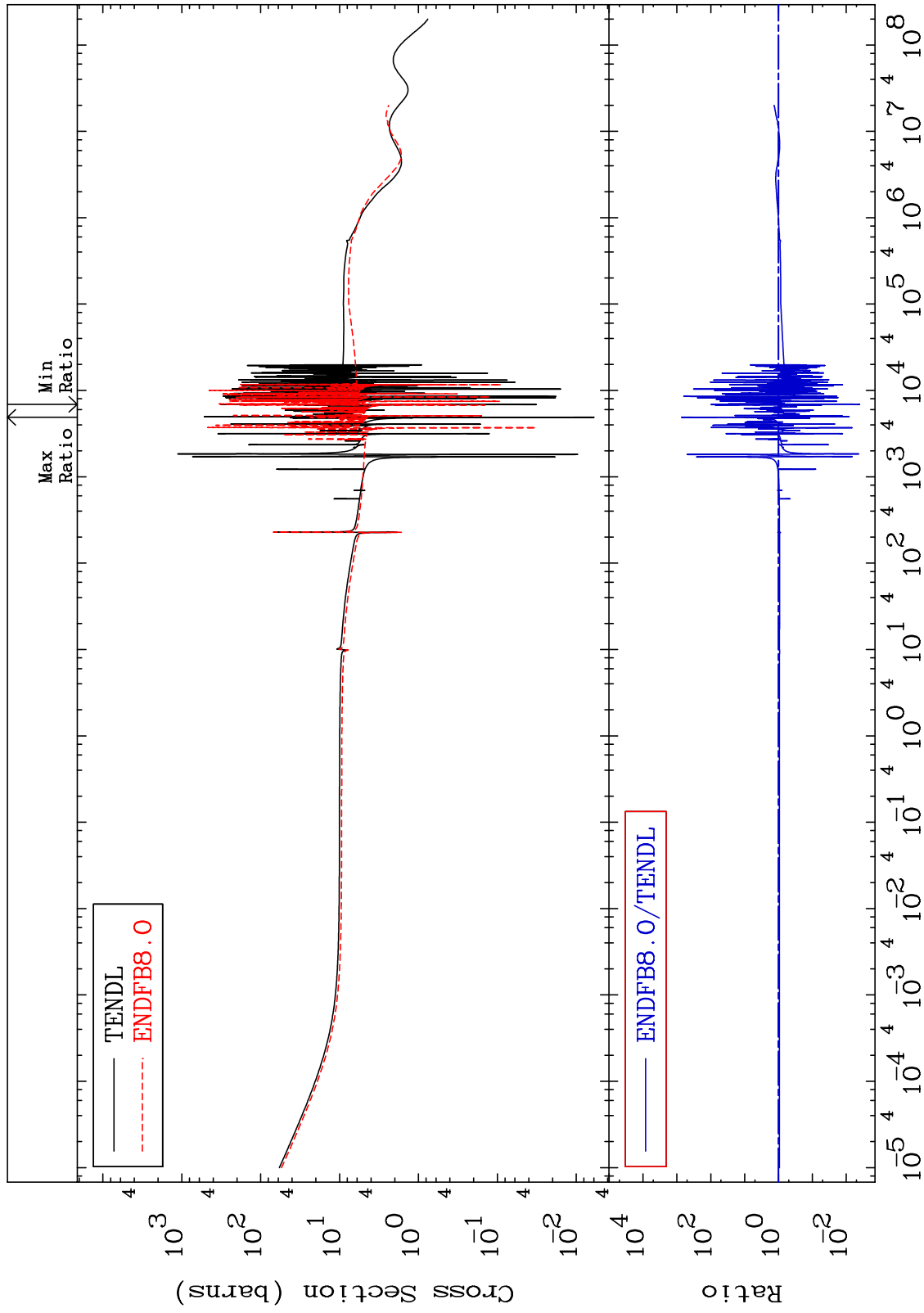
44-Ru-100

1

MAT 4437

Elastic
Cross Section

44-Ru-100
-99.60 To 9999. %

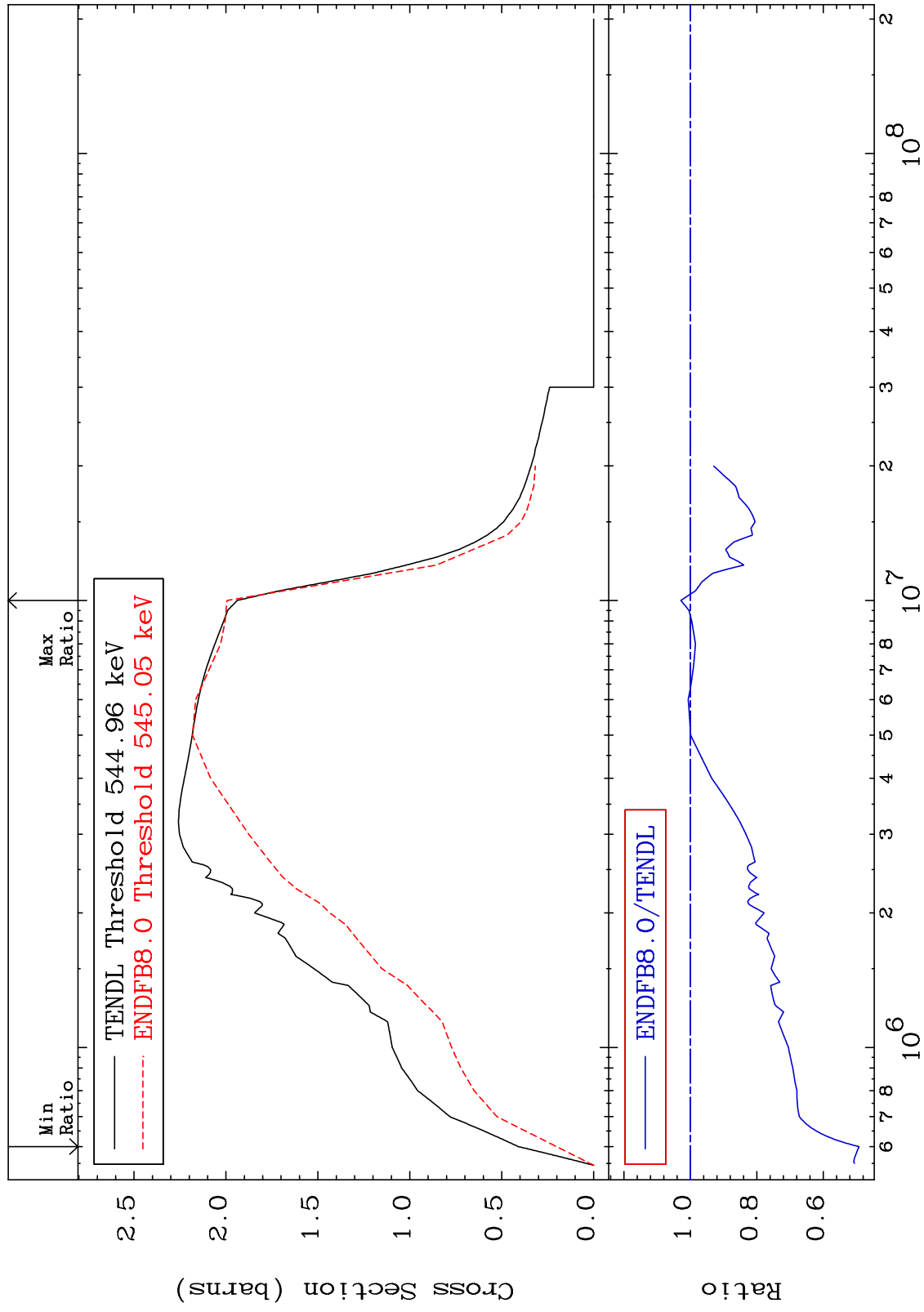


2

Incident Energy (eV)

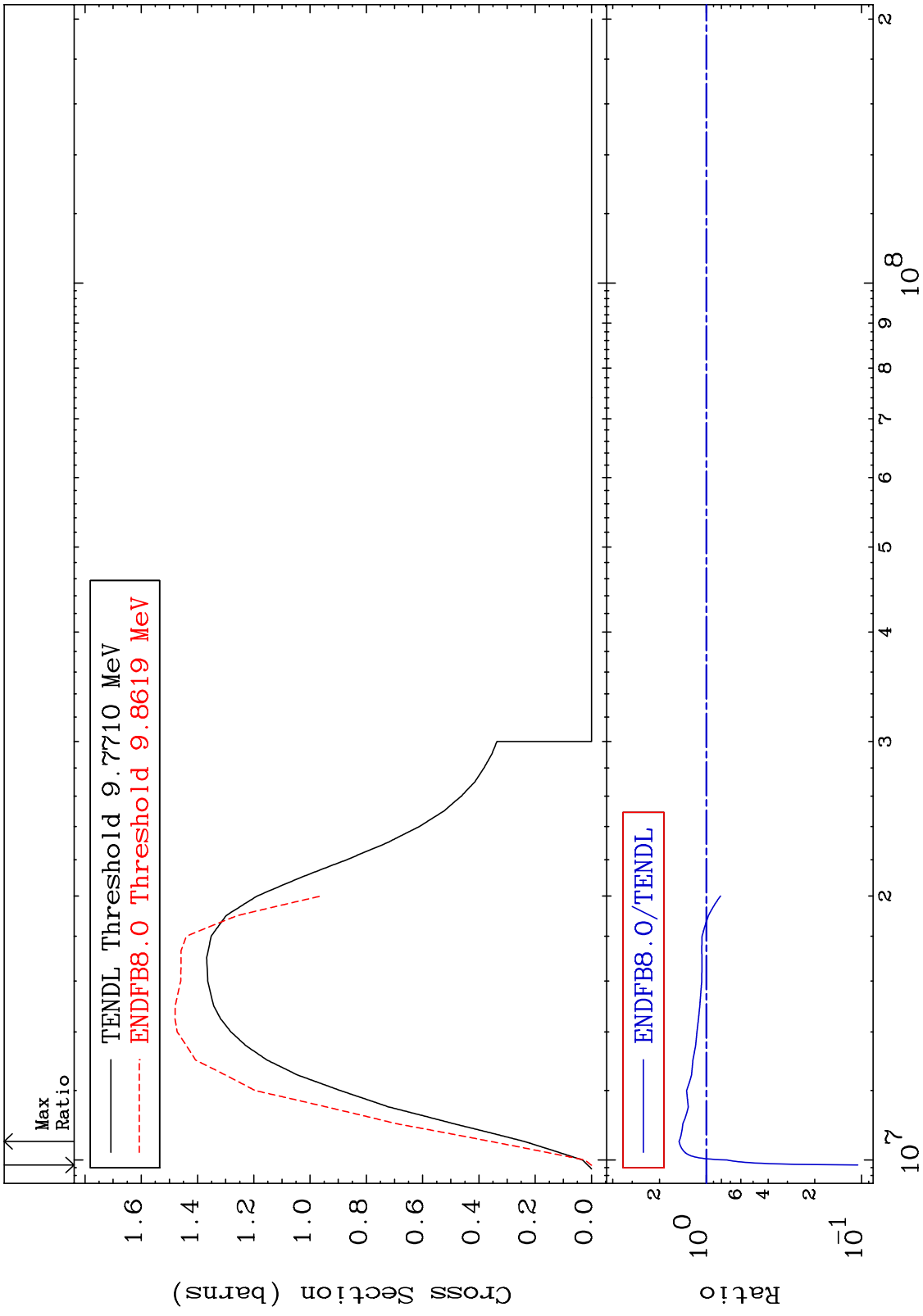
44-Ru-100

MAT 4437 44-Ru-100 -50.74 To 2.866 % Inelastic Cross Section



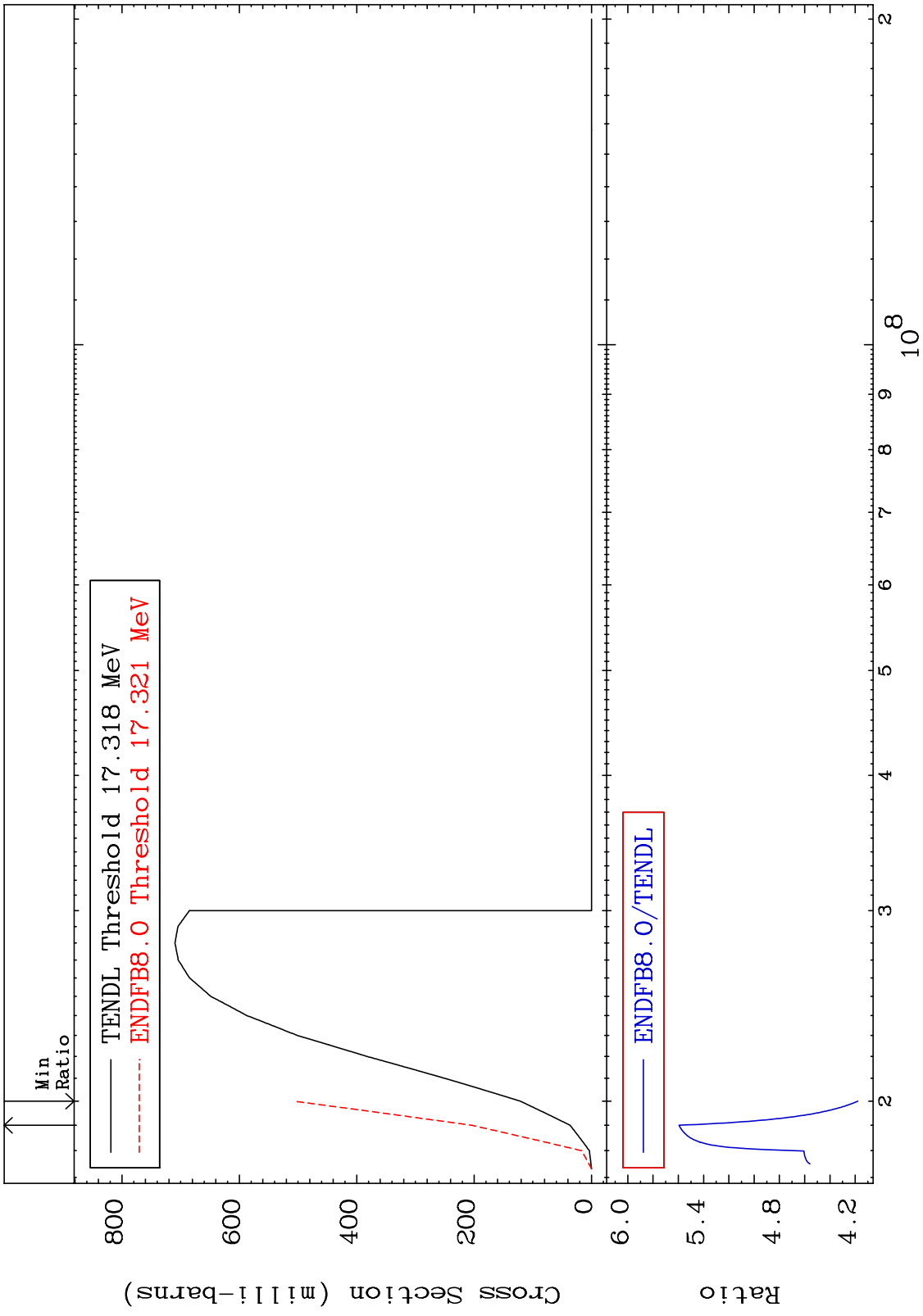
3 44-Ru-100

MAT 4437 (n,2n) Cross Section 44-Ru-100 -89.43 To 49.83 %

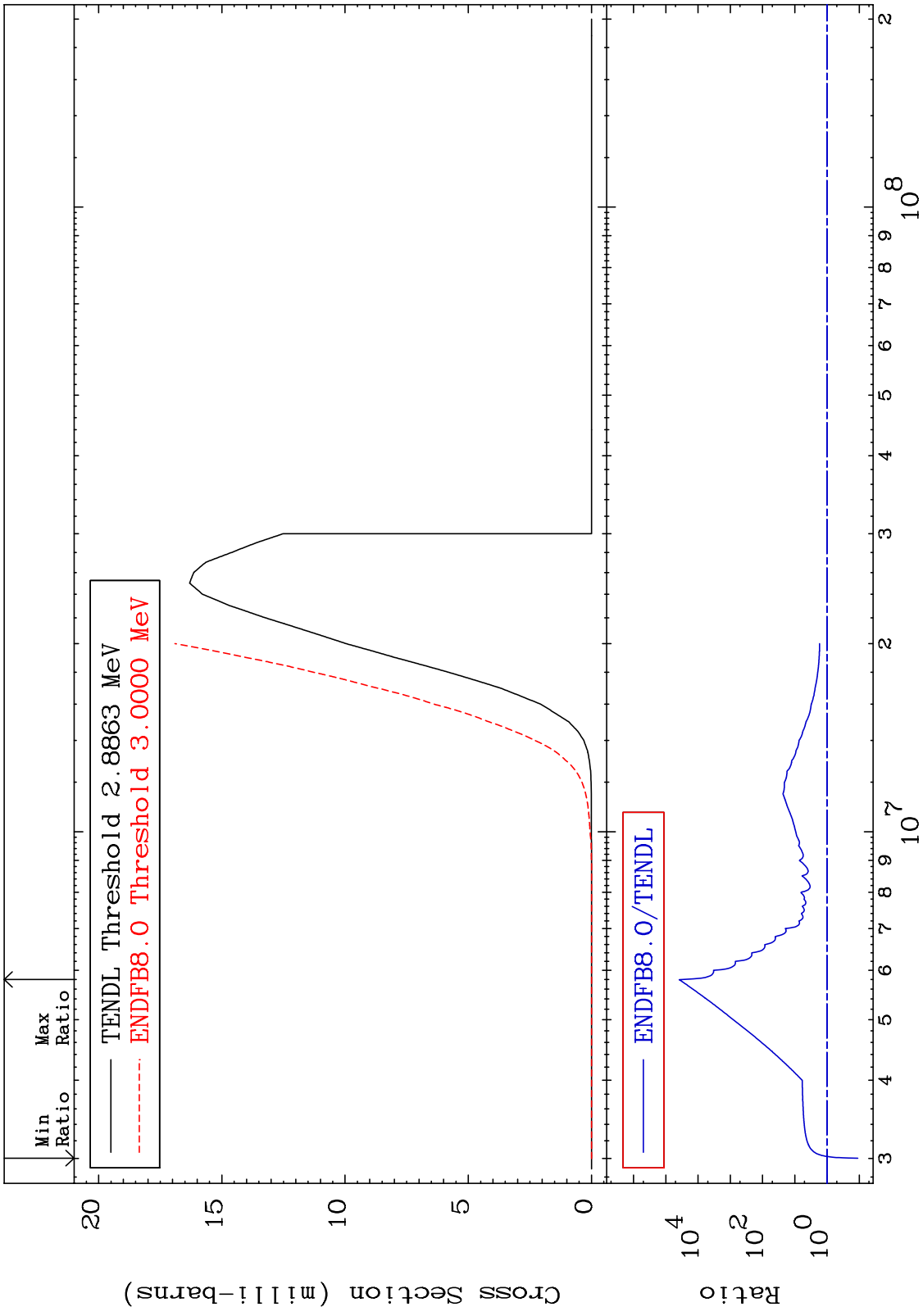


44-Ru-100

MAT 4437 (n,3n) Cross Section 44-Ru-100 317.9 To 459.4 %



MAT 4437 $(n, n') \alpha$ 44-Ru-100
 Cross Section -88.93 To 9999. %



6 44-Ru-100

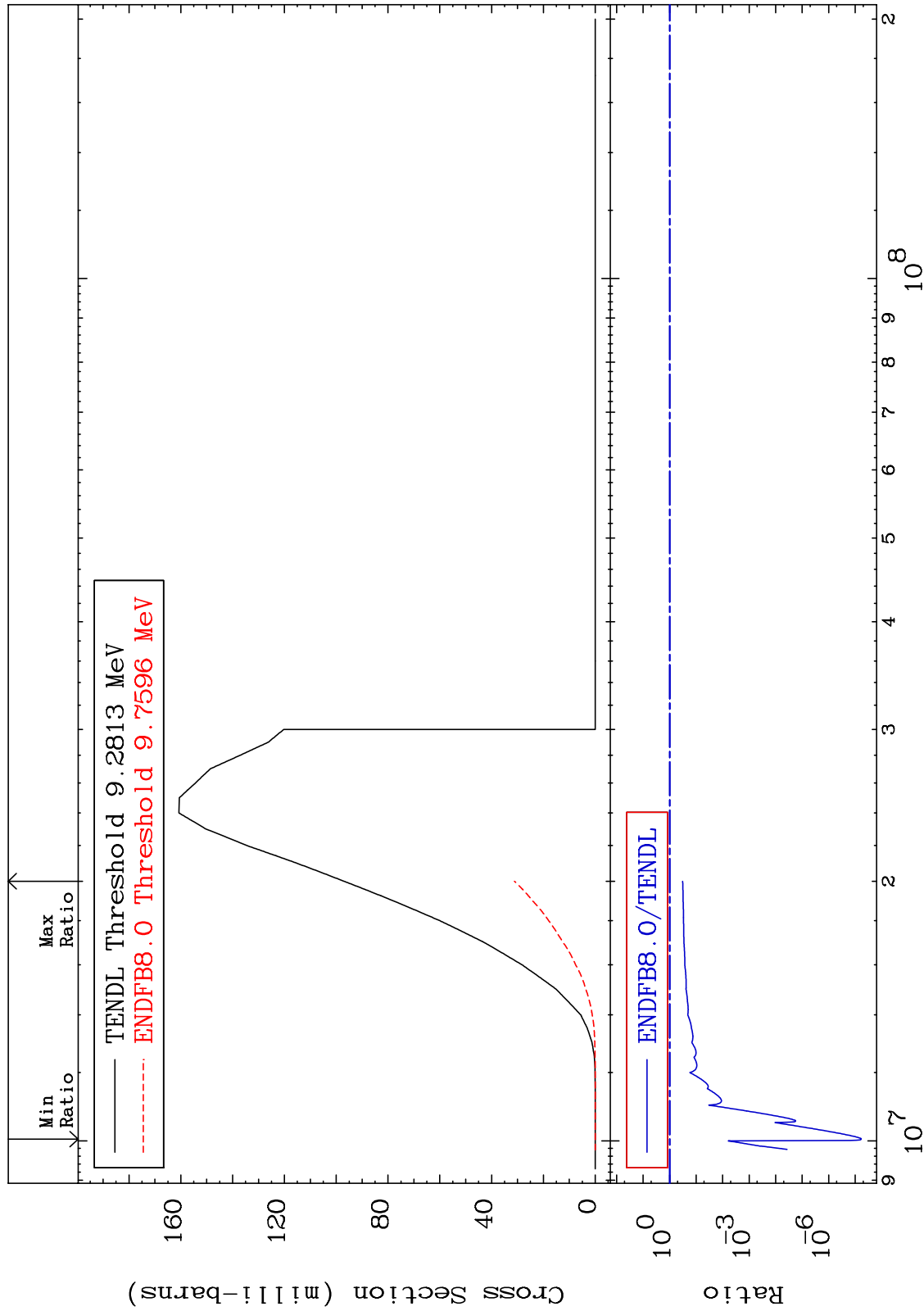
MAT 4437

(n, n') p

44-Ru-100

Cross Section

-100.0 To -67.82%

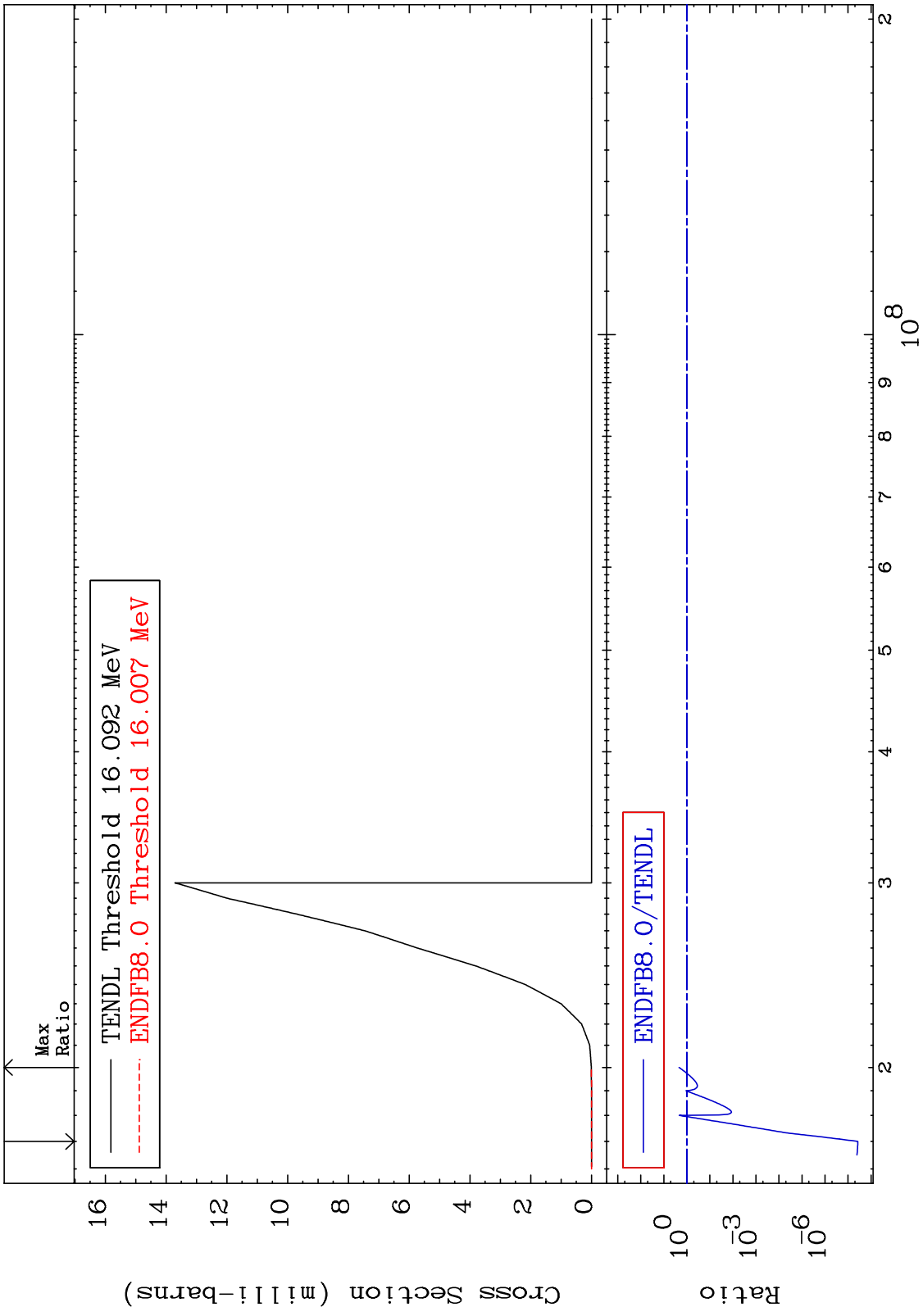


7

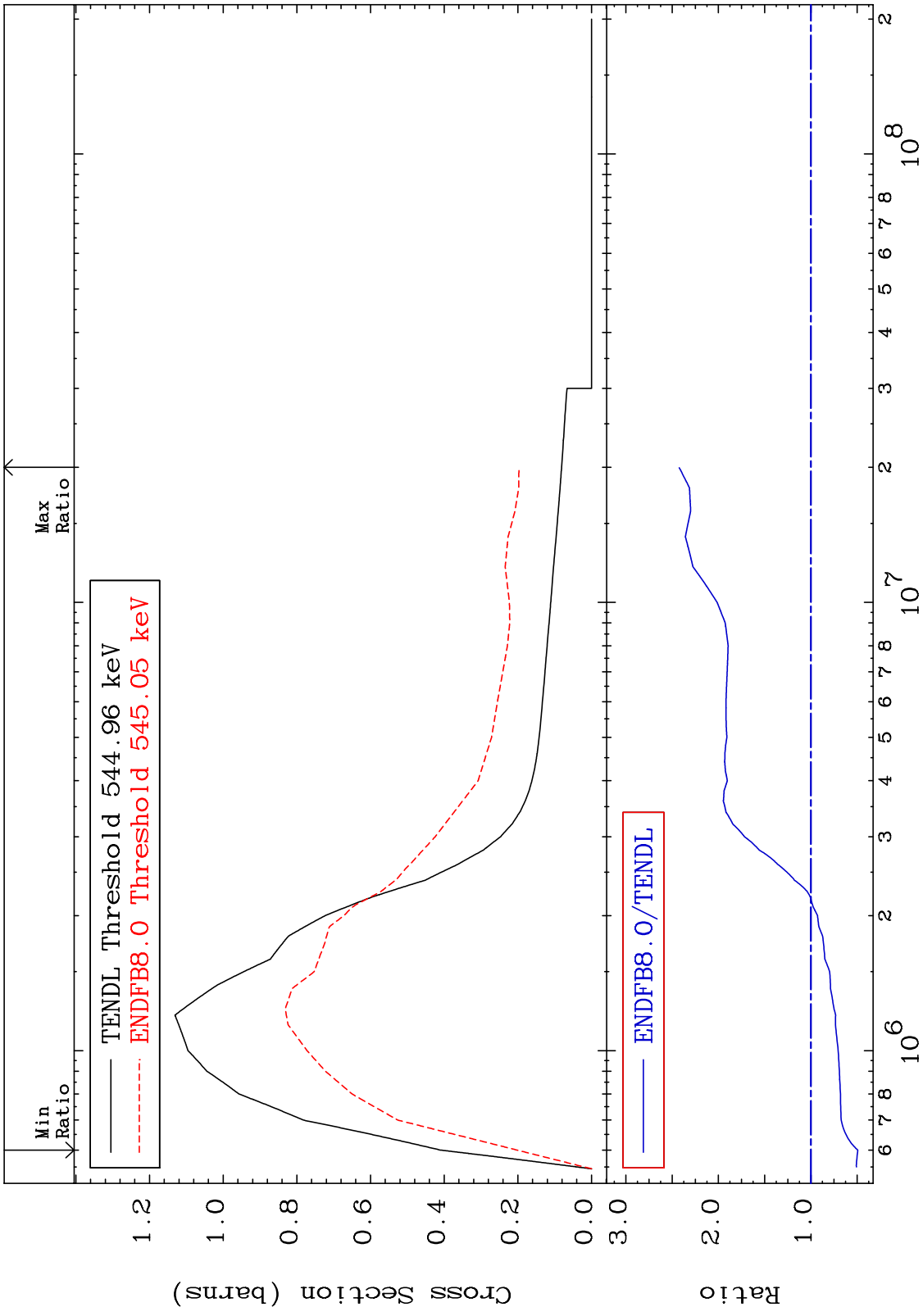
Incident Energy (eV)

44-Ru-100

MAT 4437 (n, n') d 44-Ru-100
 Cross Section -100.0 To 118.0 %

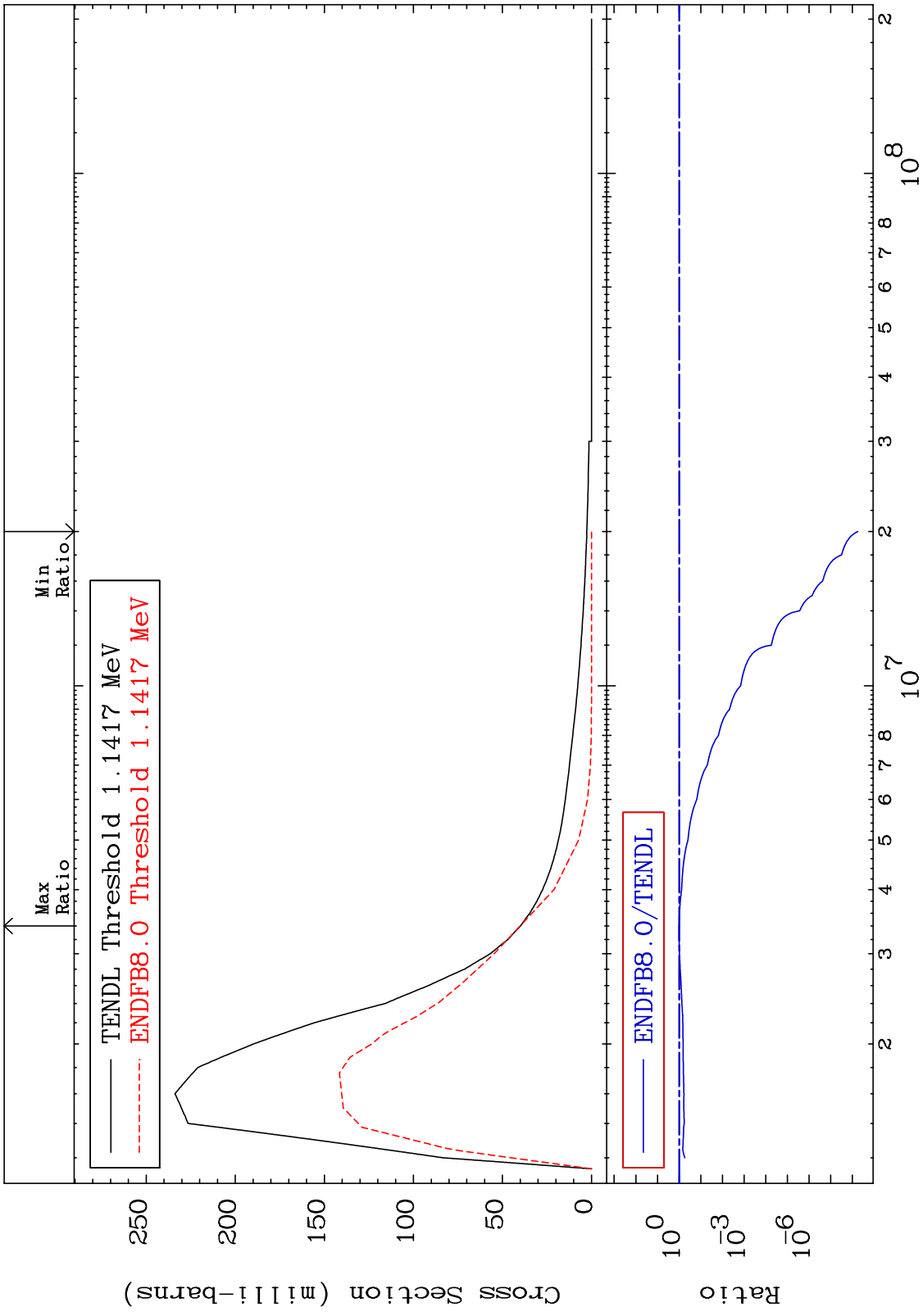


MAT 4437 MT= 51 (n,n') Level Cross Section 44-Ru-100
 -50.74 To 142.6 %

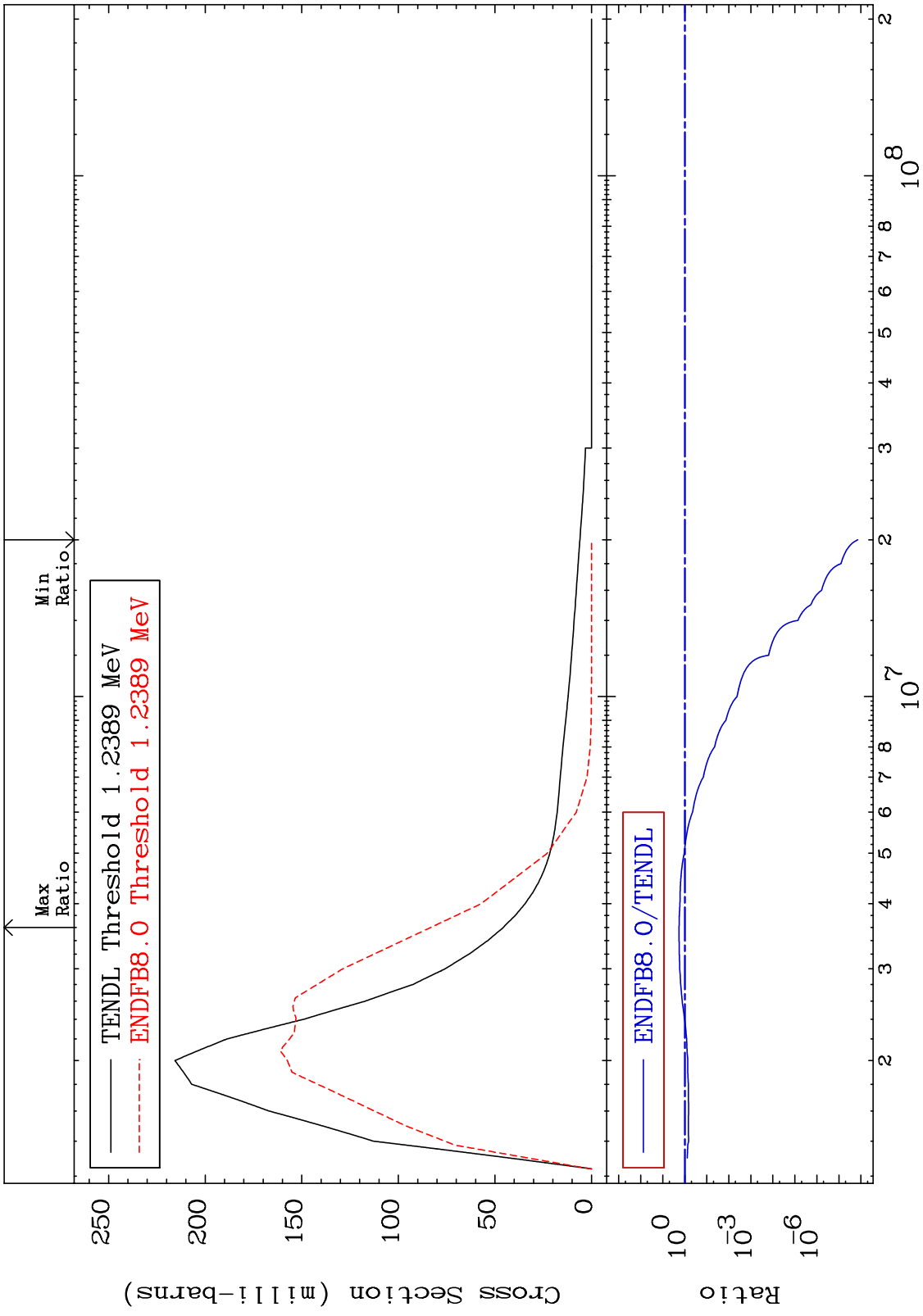


9 44-Ru-100

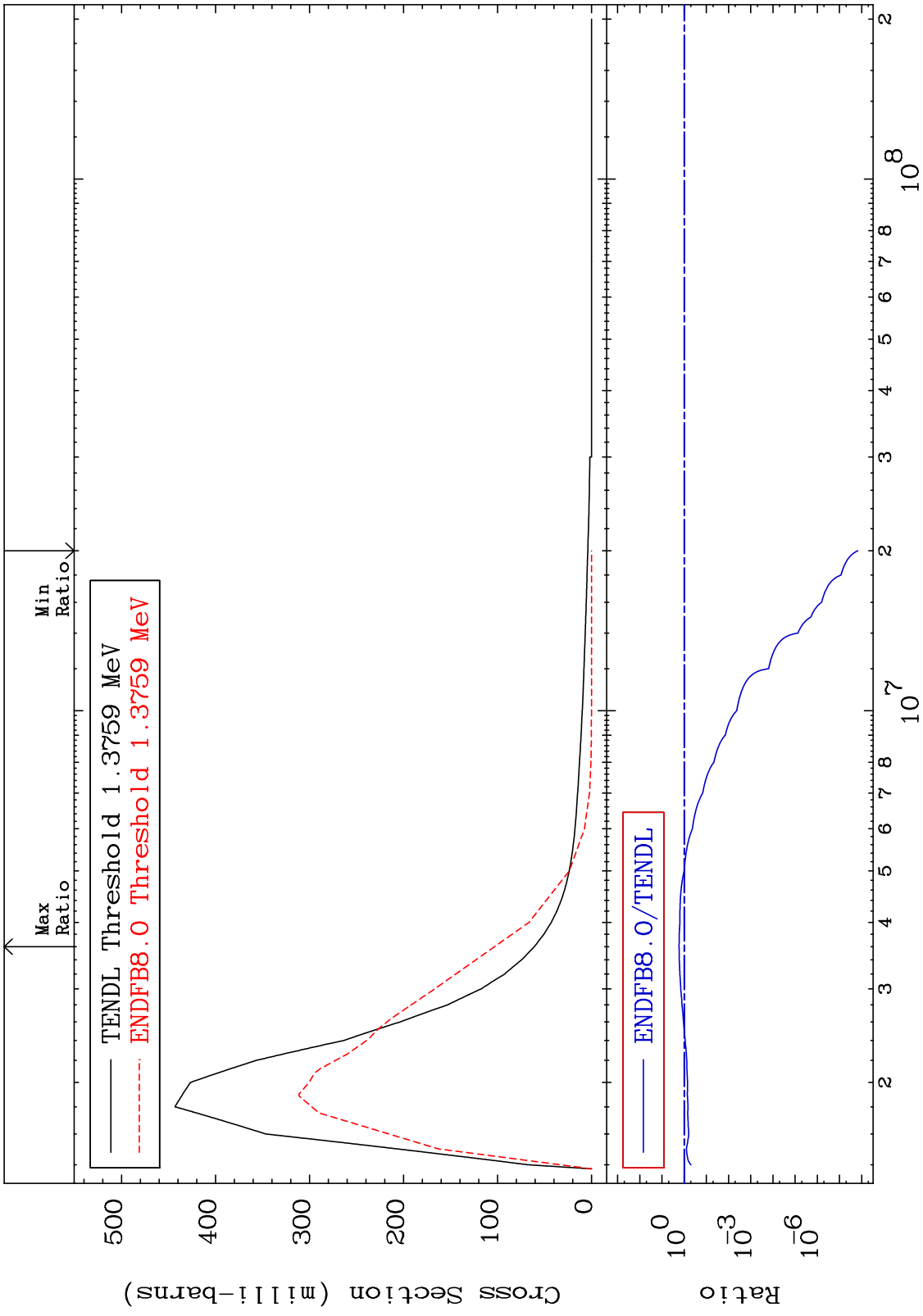
MAT 4437 MT= 52 (n,n') Level Cross Section 44-Ru-100
 -100.0 To 0.585 %



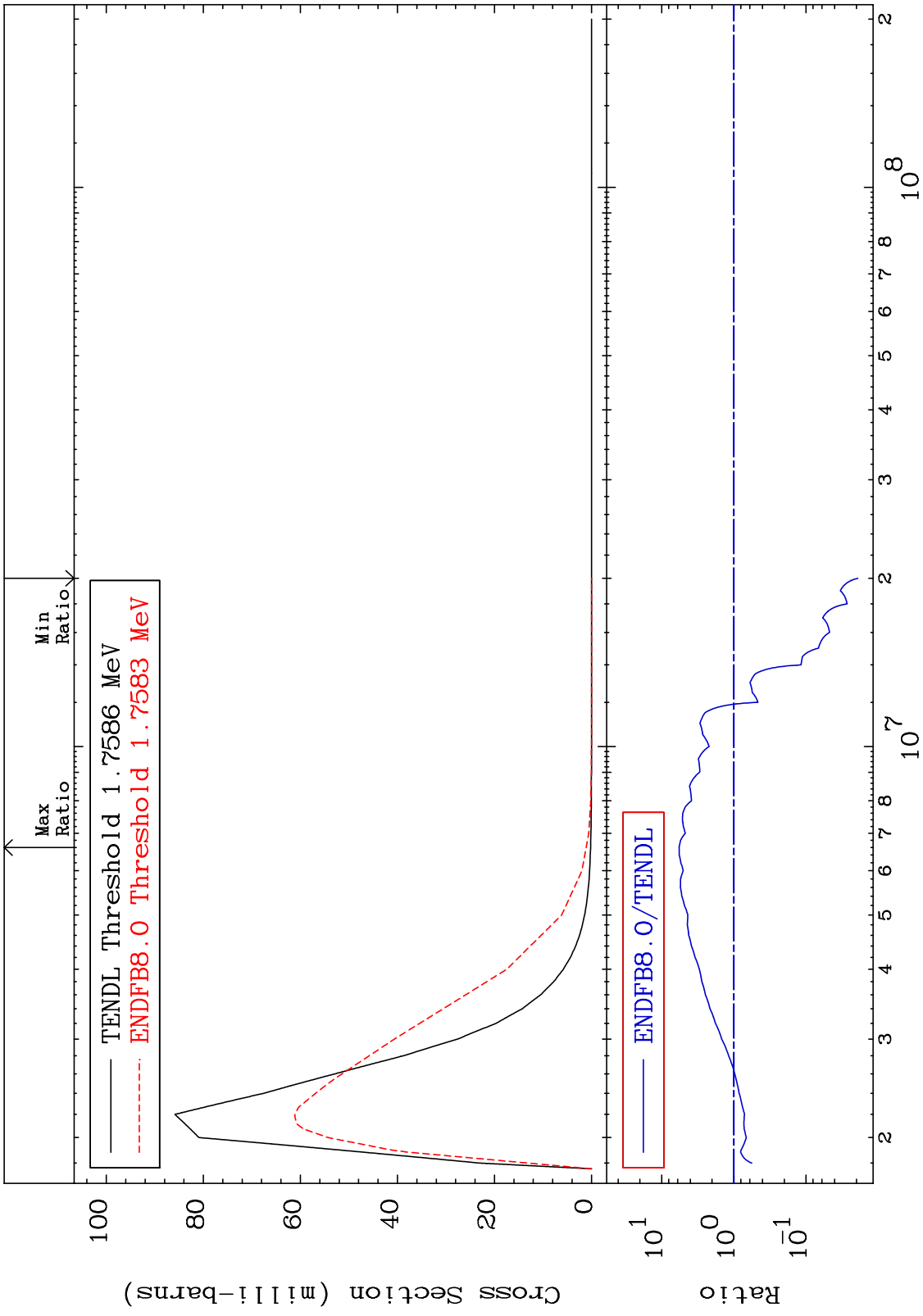
MAT 4437 MT= 53 (n,n') Level Cross Section 44-Ru-100
 -100.0 To 82.29 %



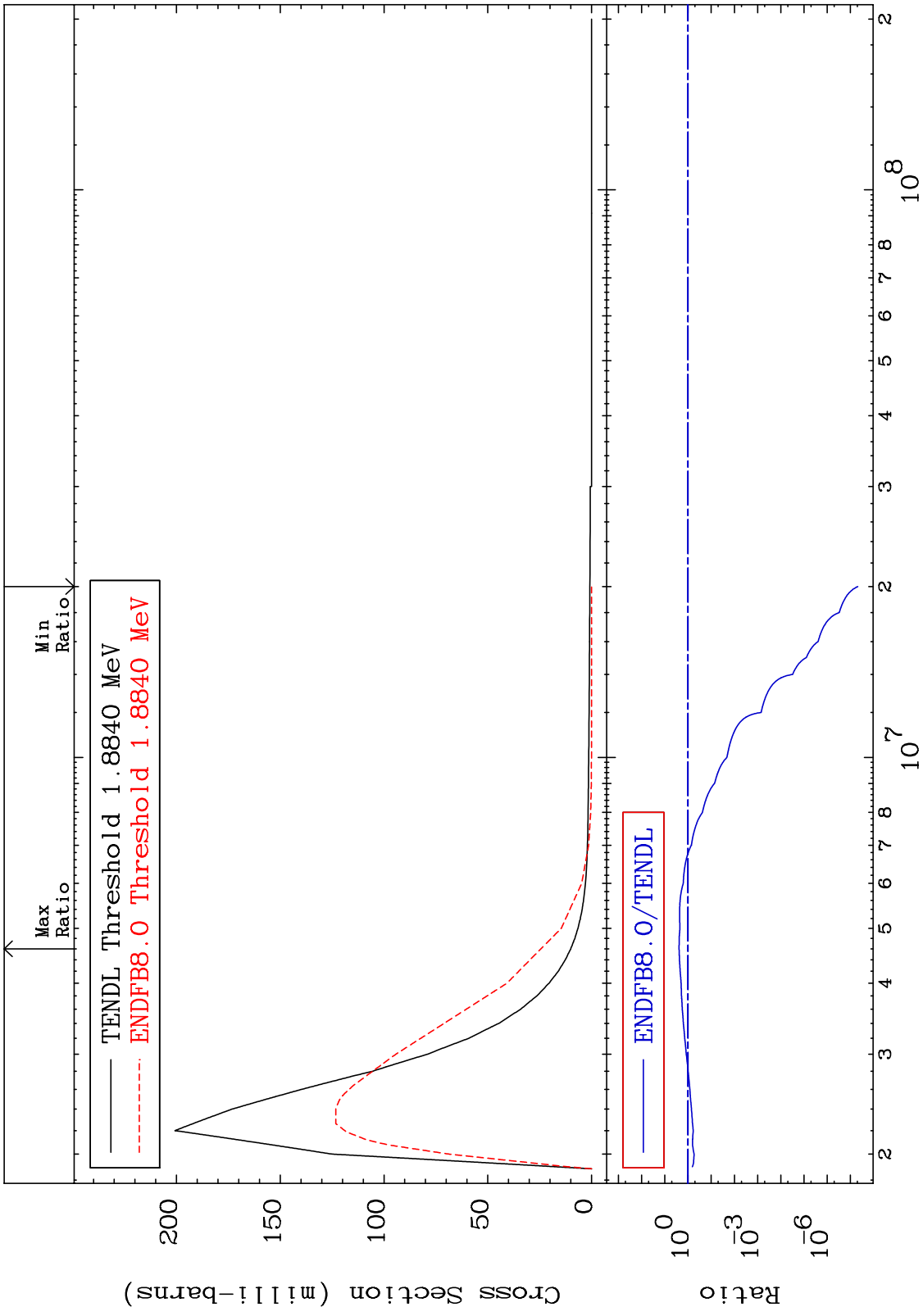
MAT 4437 MT= 54 (n,n') Level Cross Section 44-Ru-100
 -100.0 To 69.70 %



MAT 4437 MT= 55 (n,n') Level Cross Section 44-Ru-100 -98.09 To 474.1 %



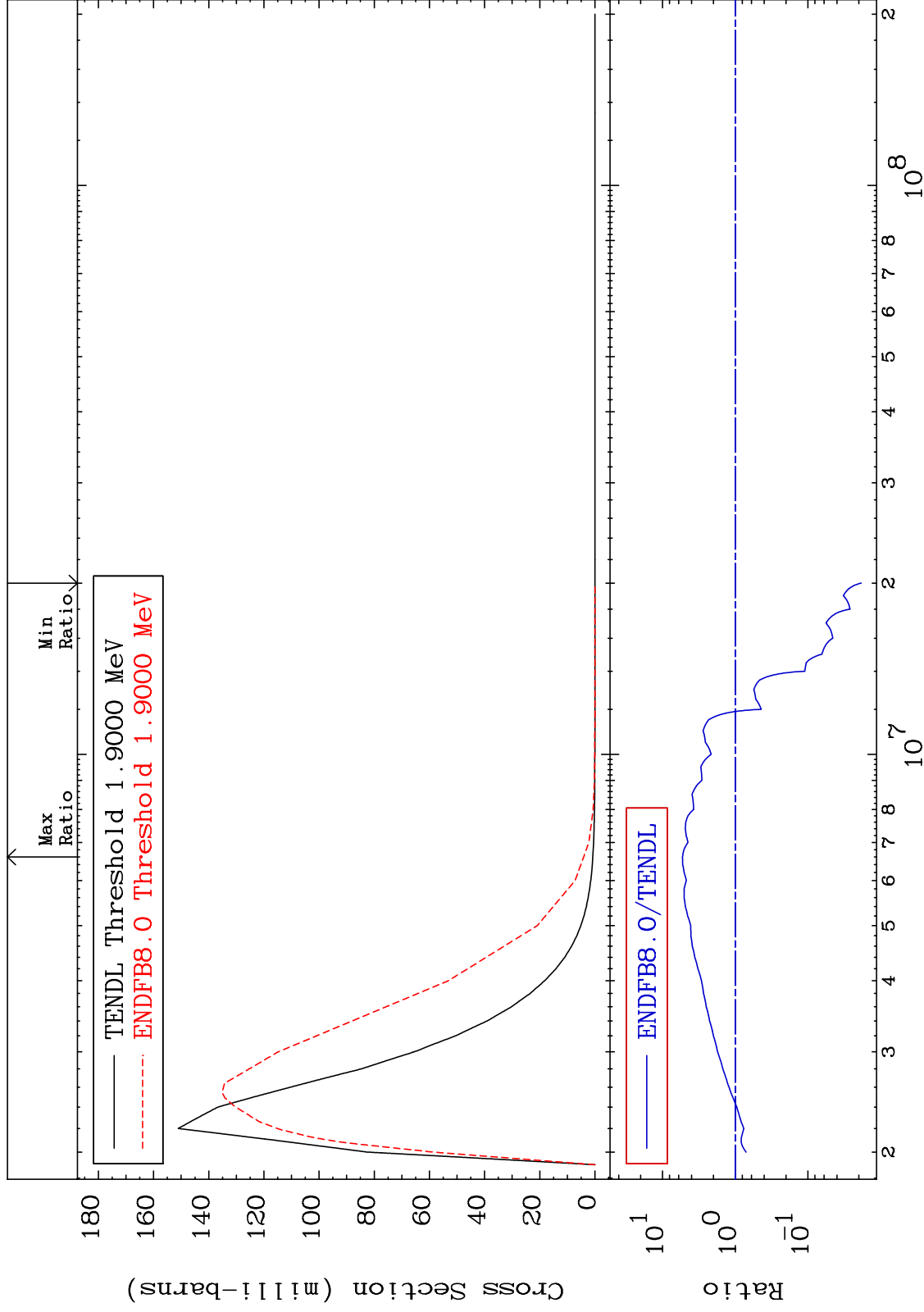
MAT 4437 MT= 56 (n,n') Level Cross Section 44-Ru-100
 -100.0 To 143.3 %



MAT 4437

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

44-Ru-100
-98.15 To 432.3 %

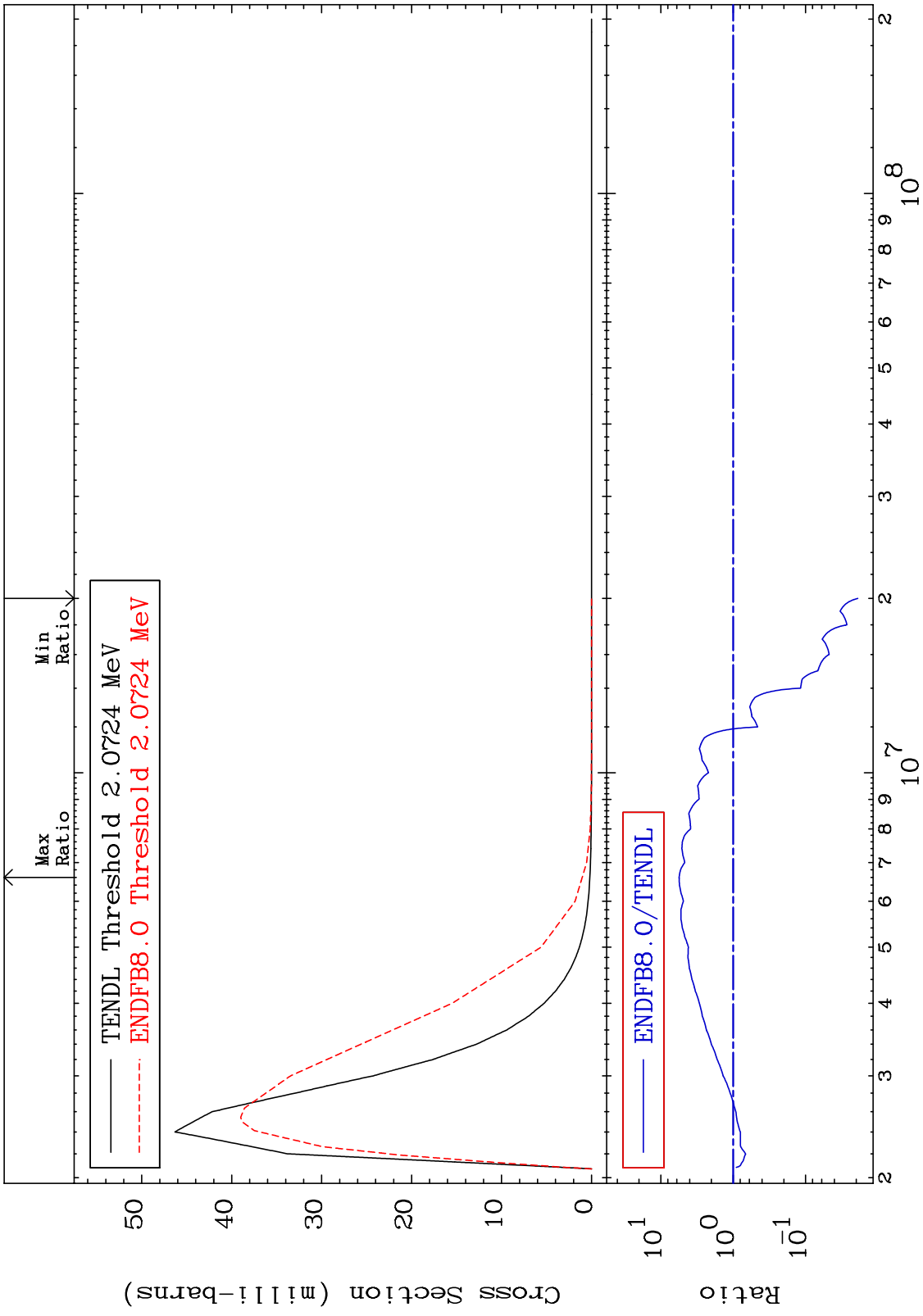


15

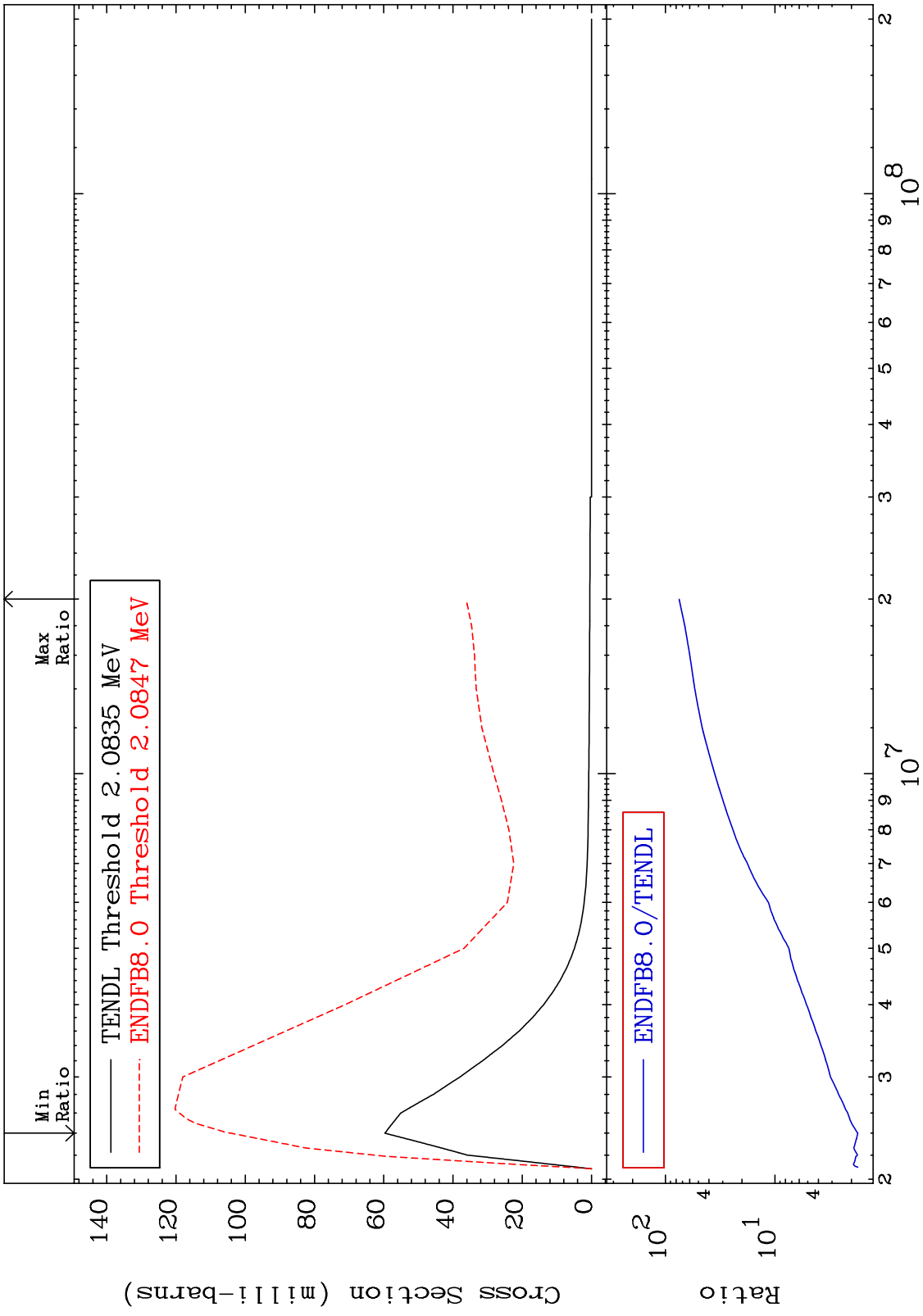
Incident Energy (eV)

44-Ru-100

MAT 4437 MT= 58 (n,n') Level Cross Section 44-Ru-100
 -98.10 To 460.2 %



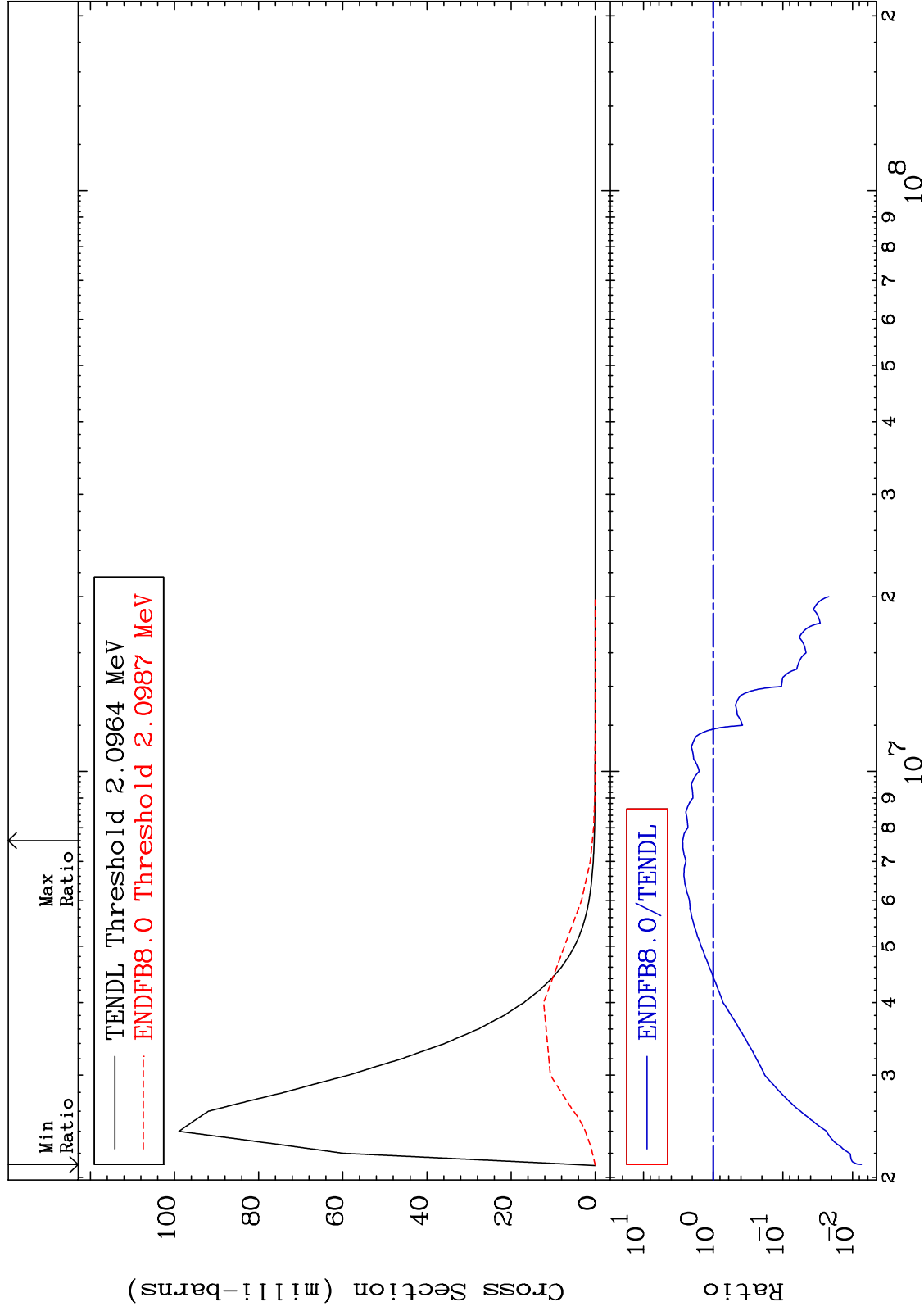
MAT 4437 MT= 59 (n,n') Level Cross Section 44-Ru-100 74.52 To 7419. %



MAT 4437

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

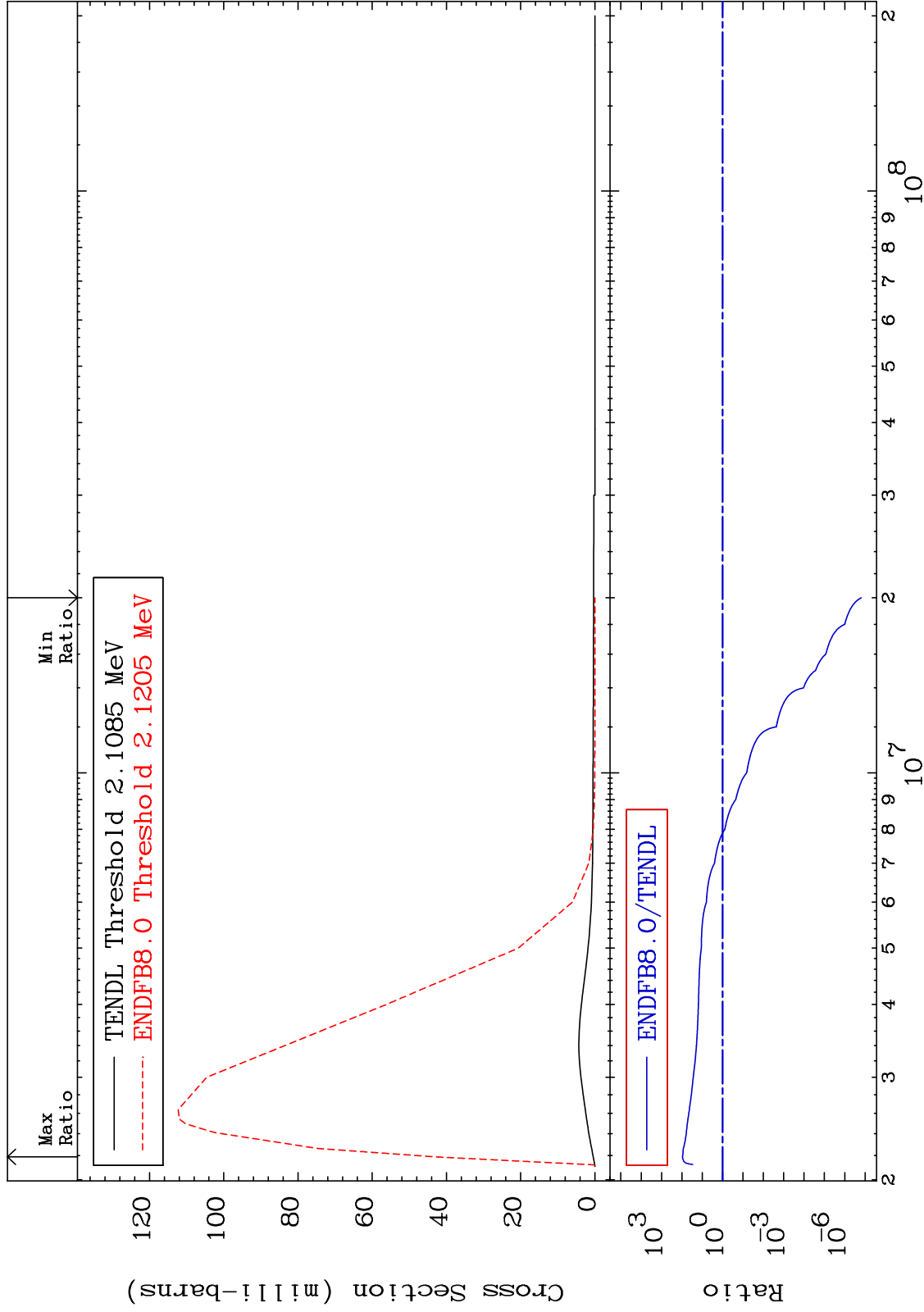
44-Ru-100
-99.25 To 173.8 %



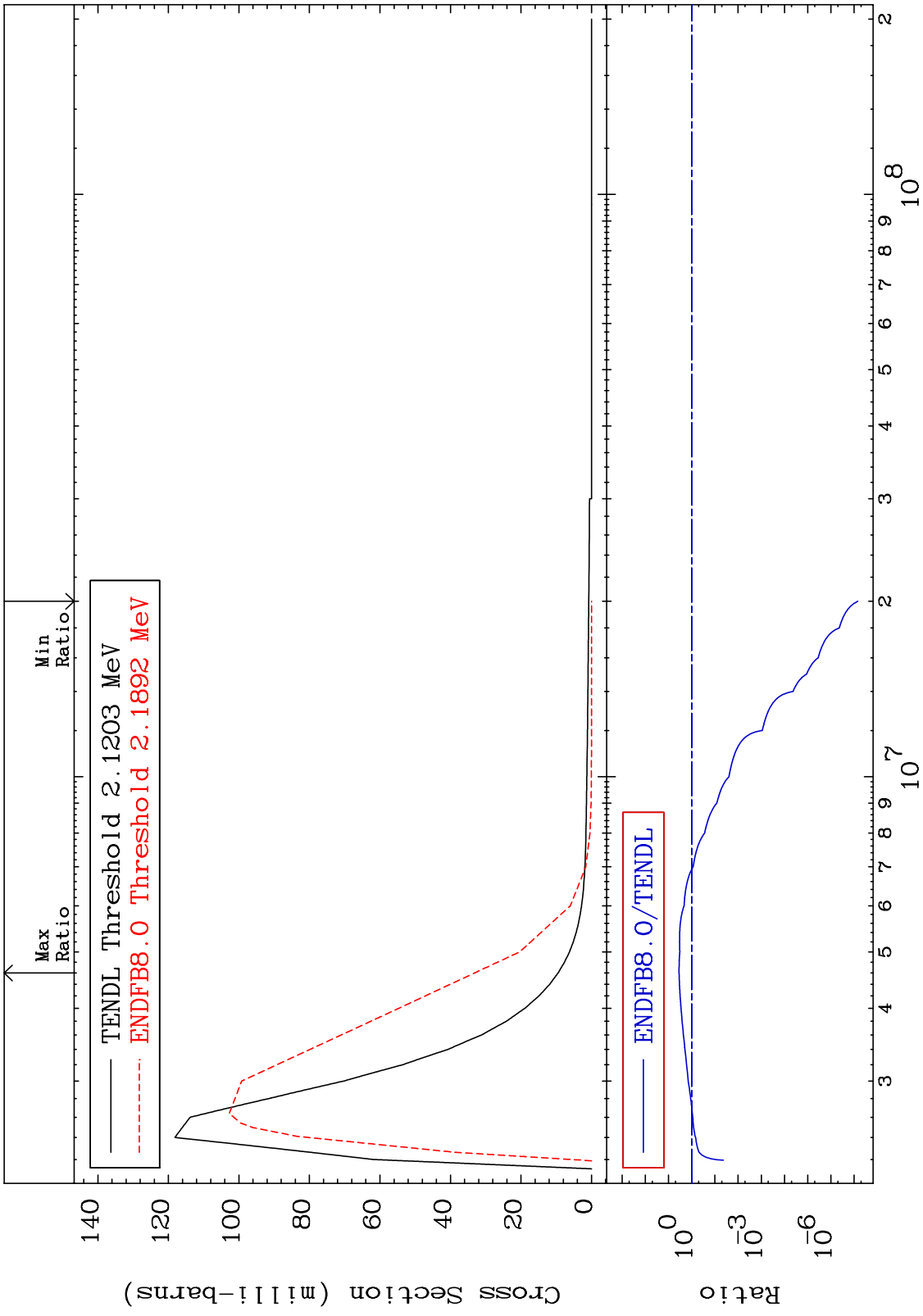
MAT 4437

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

44-Ru-100
-100.0 To 9293. %



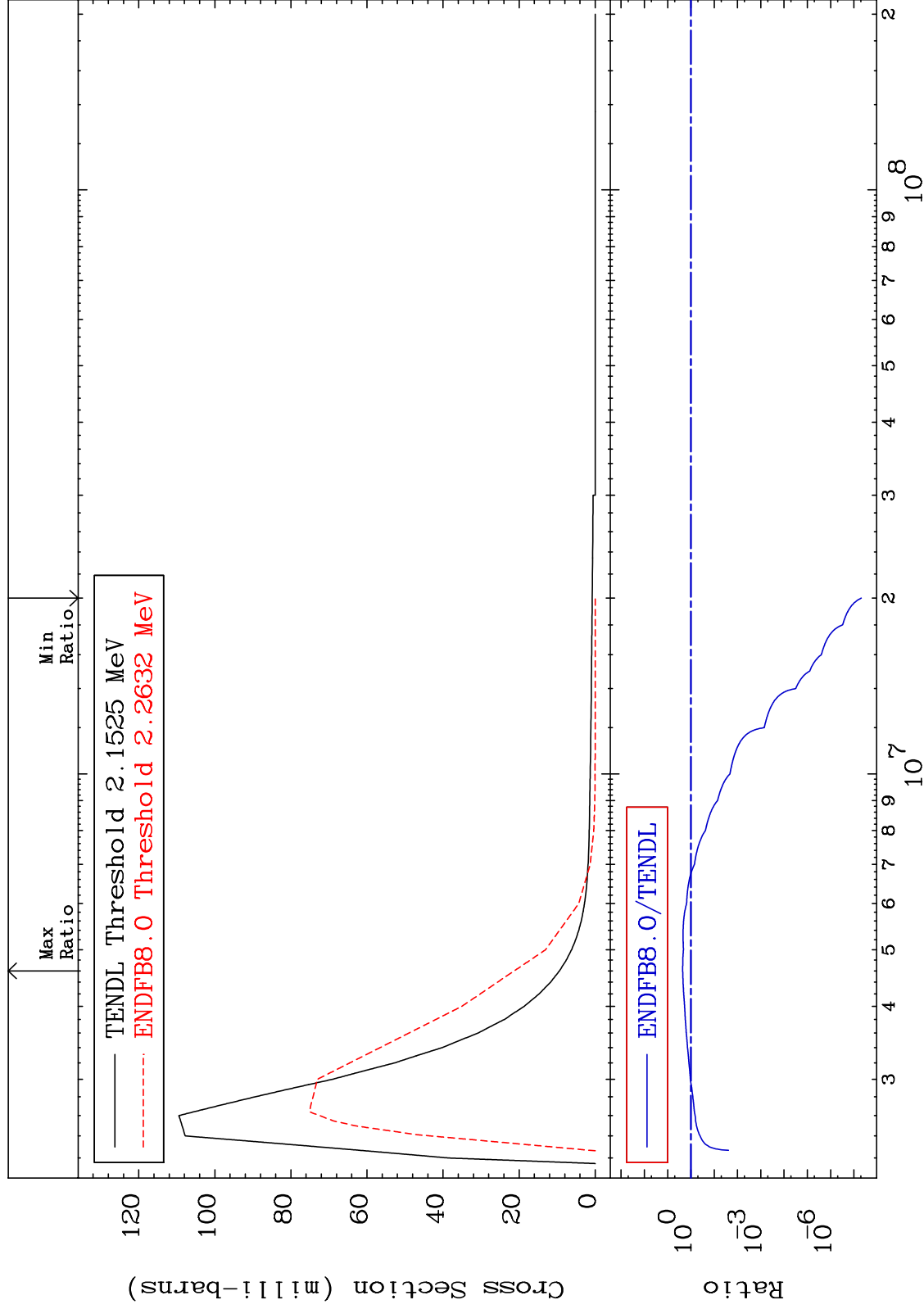
MAT 4437 MT= 62 (n,n') Level Cross Section 44-Ru-100
 -100.0 To 250.1 %



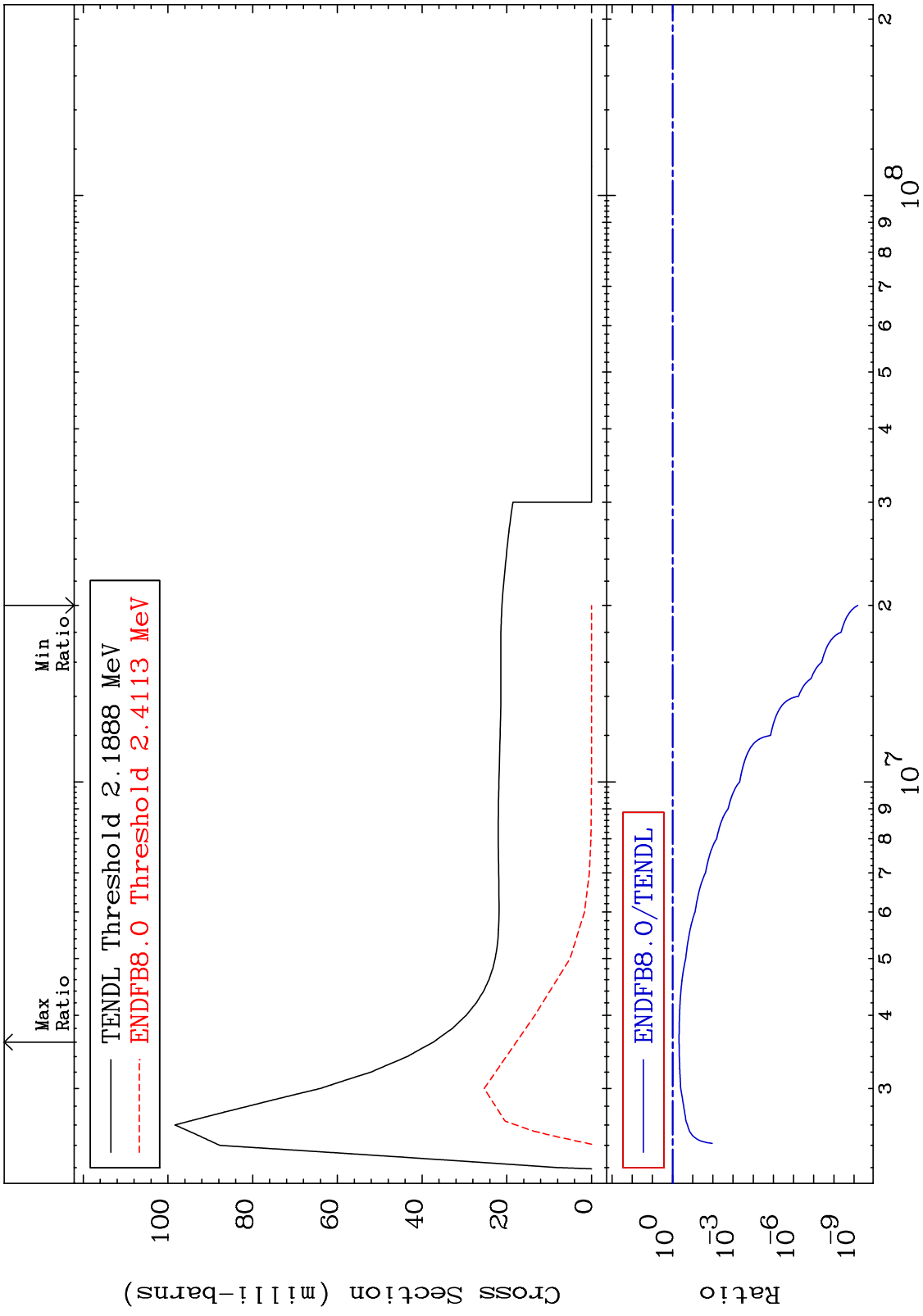
MAT 4437

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

44-Ru-100
-100.0 To 126.4 %



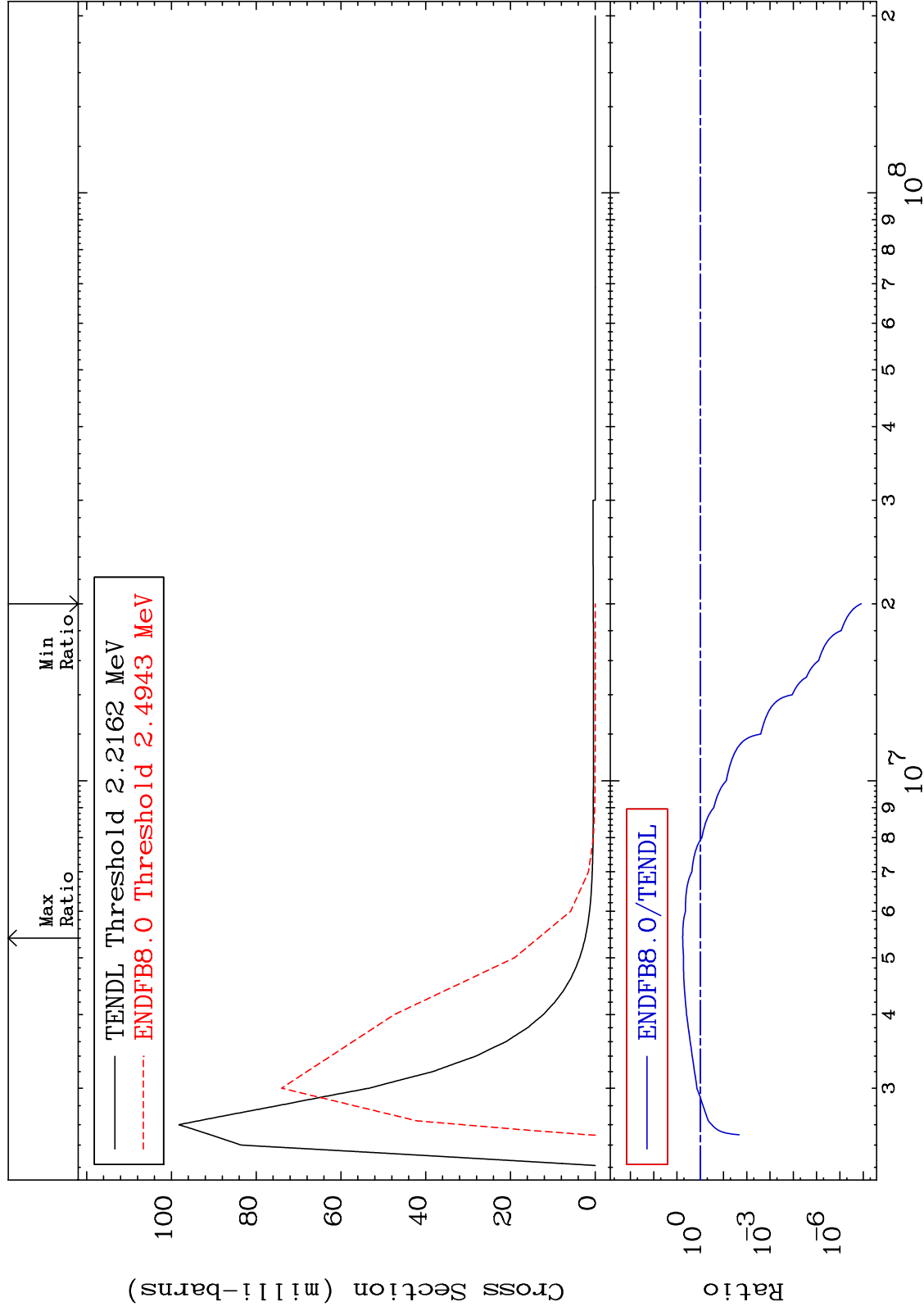
MAT 4437 MT= 64 (n,n') Level Cross Section 44-Ru-100
 -100.0 To -52.42%



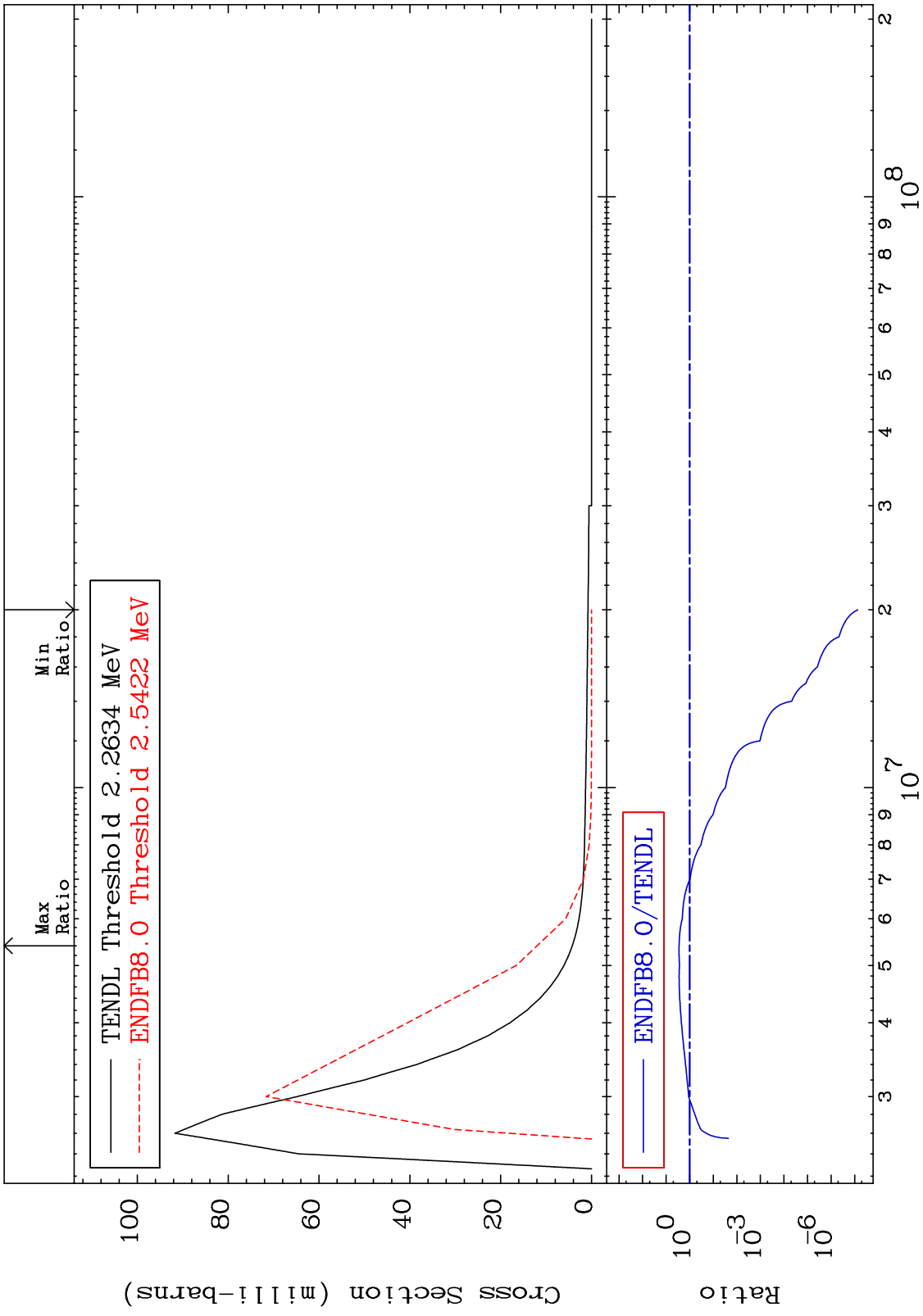
MAT 4437

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

44-Ru-100
-100.0 To 467.6 %



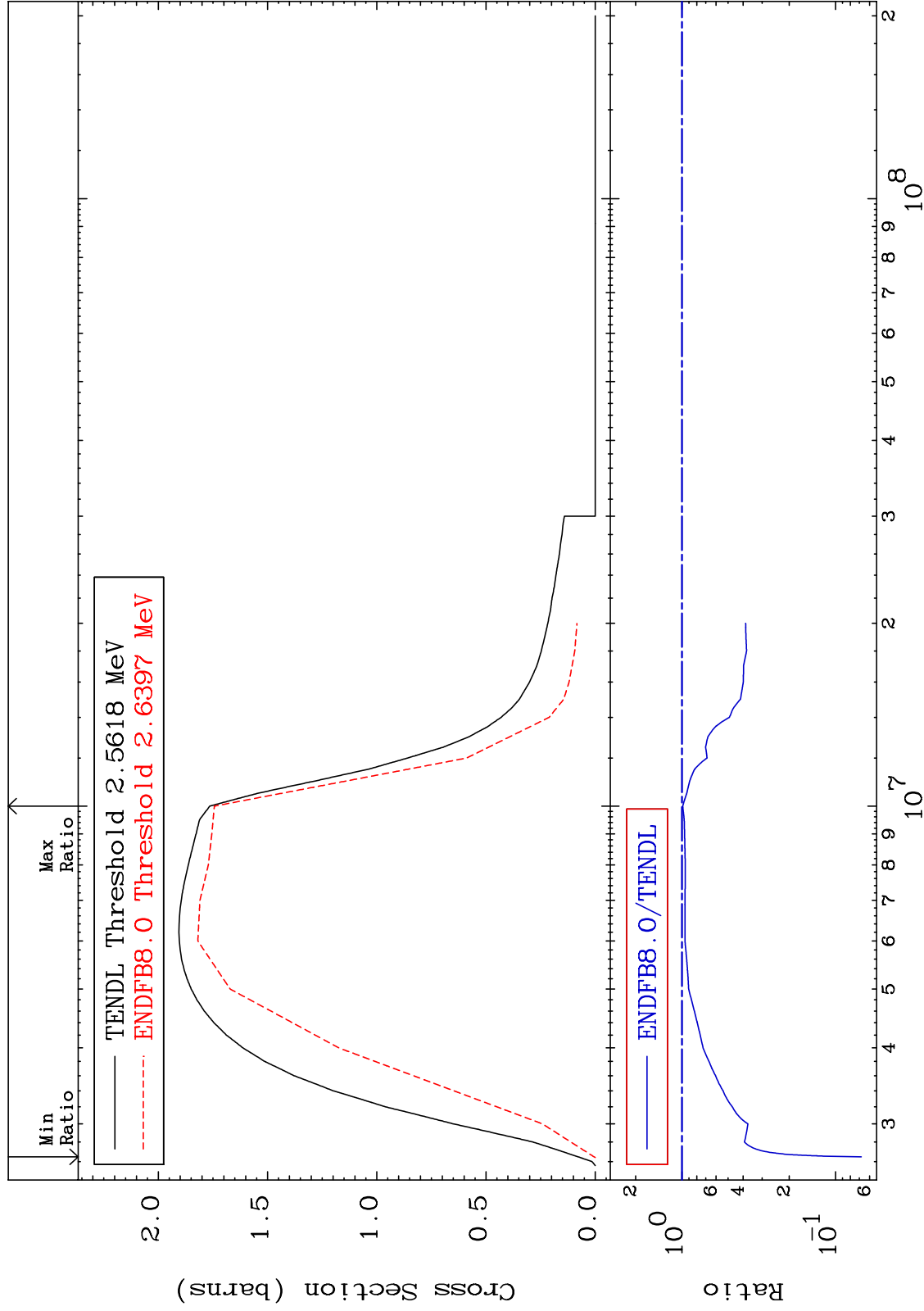
MAT 4437 MT= 66 (n,n') Level Cross Section 44-Ru-100
 -100.0 To 183.3 %



MAT 4437

(n, n') Continuum
Cross Section

44-Ru-100
-93.21 To -1.183%



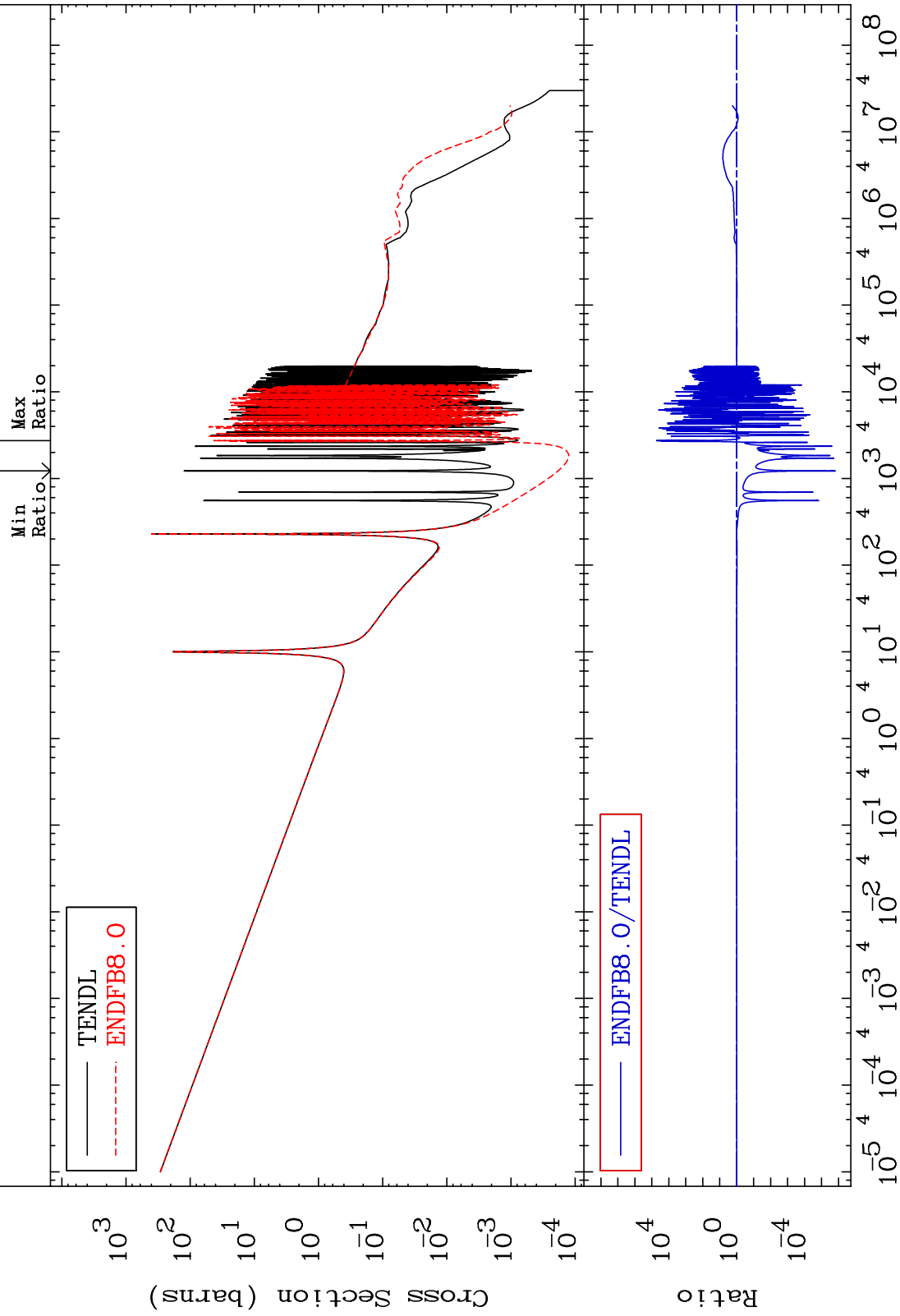
MAT 4437

(n, γ)

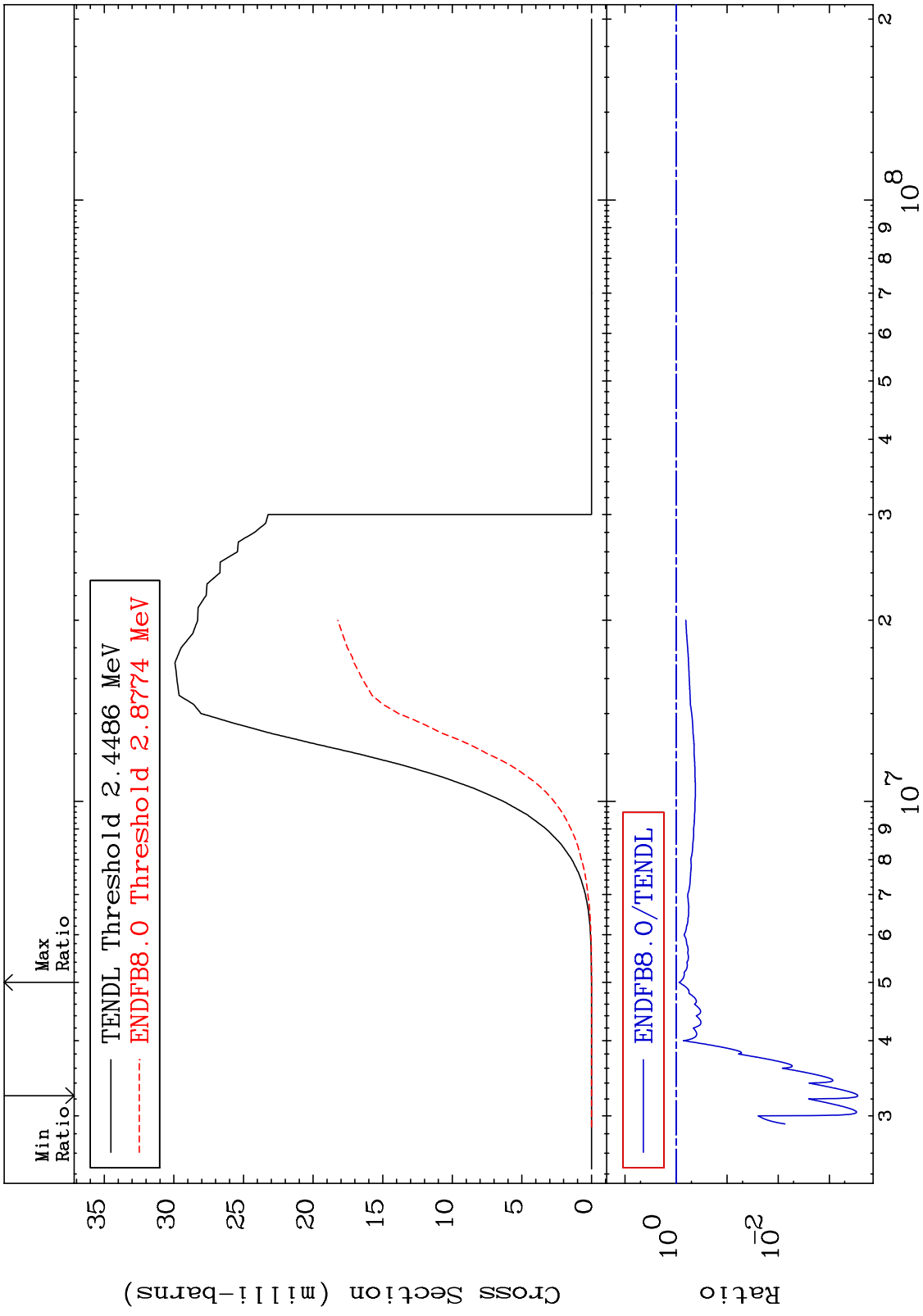
44-Ru-100

-100.0 To 9999. %

Cross Section



MAT 4437 (n,p) Cross Section 44-Ru-100 -99.97 To -12.46%



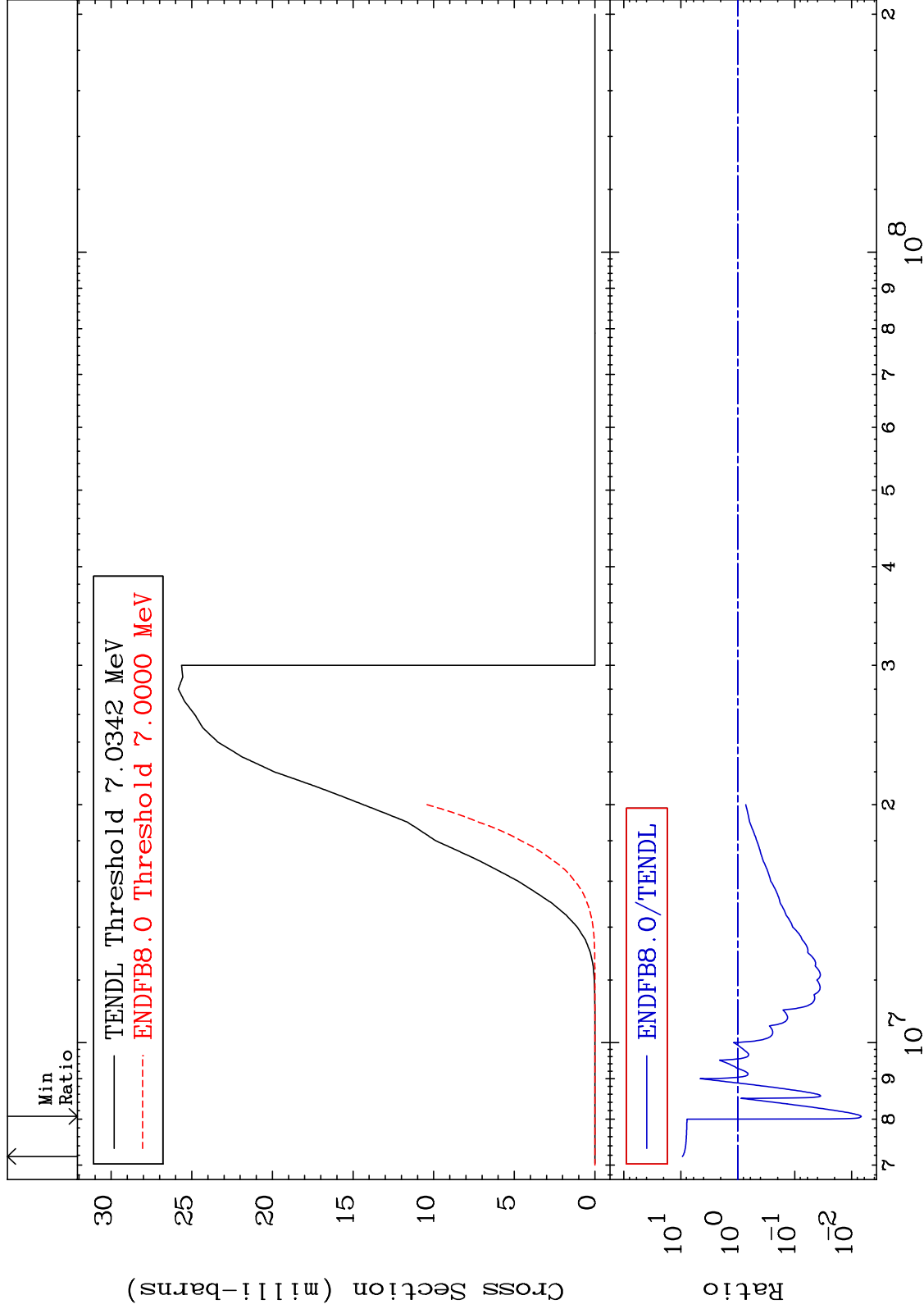
MAT 4437

(n,d)

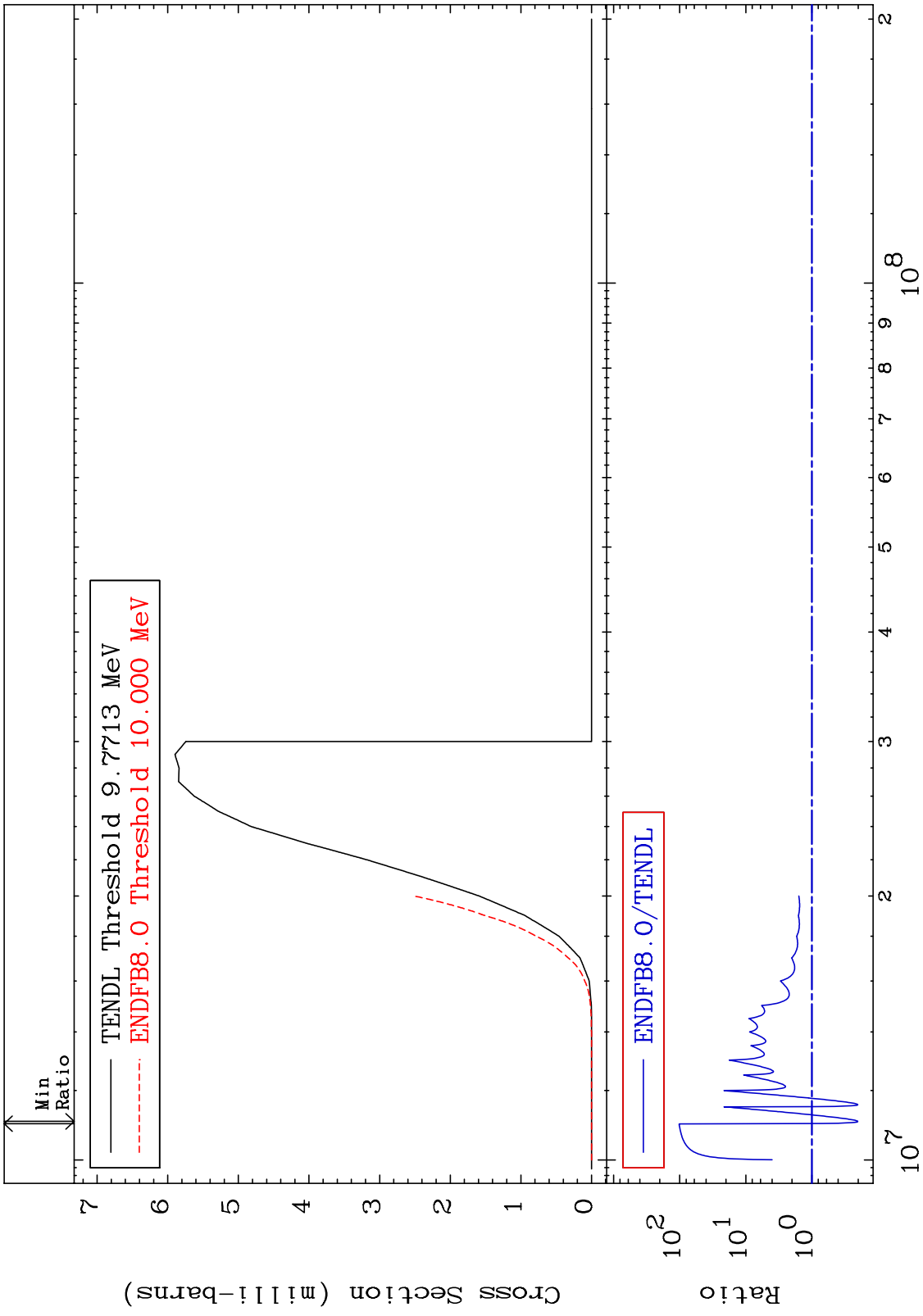
44-Ru-100

Cross Section

-99.32 To 836.7 %



MAT 4437 (n,t) 44-Ru-100
Cross Section -79.80 To 9999. %



29 44-Ru-100

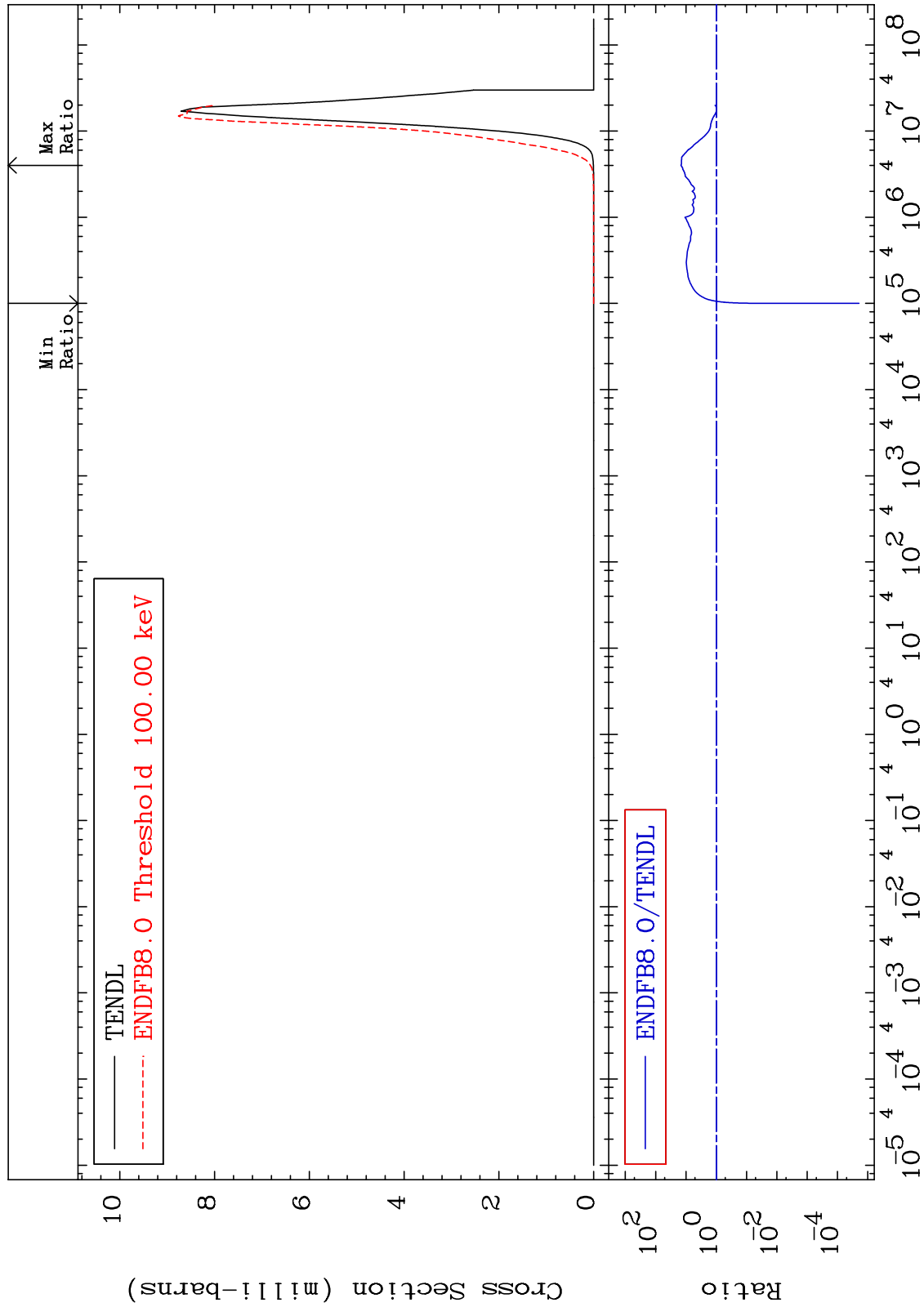
MAT 4437

(n, α)

44-Ru-100

Cross Section

-100.0 To 1369. %

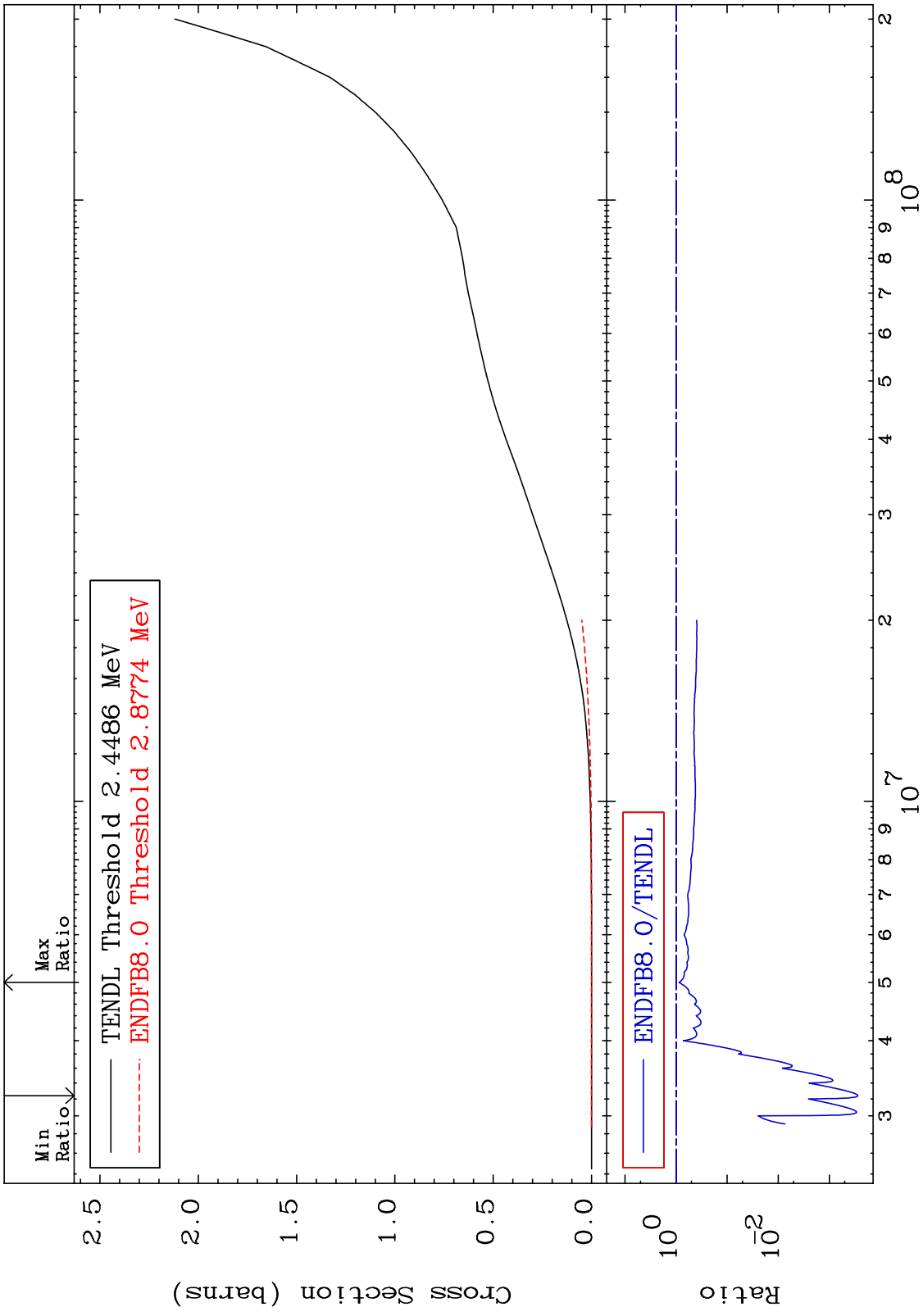


30

Incident Energy (eV)

44-Ru-100

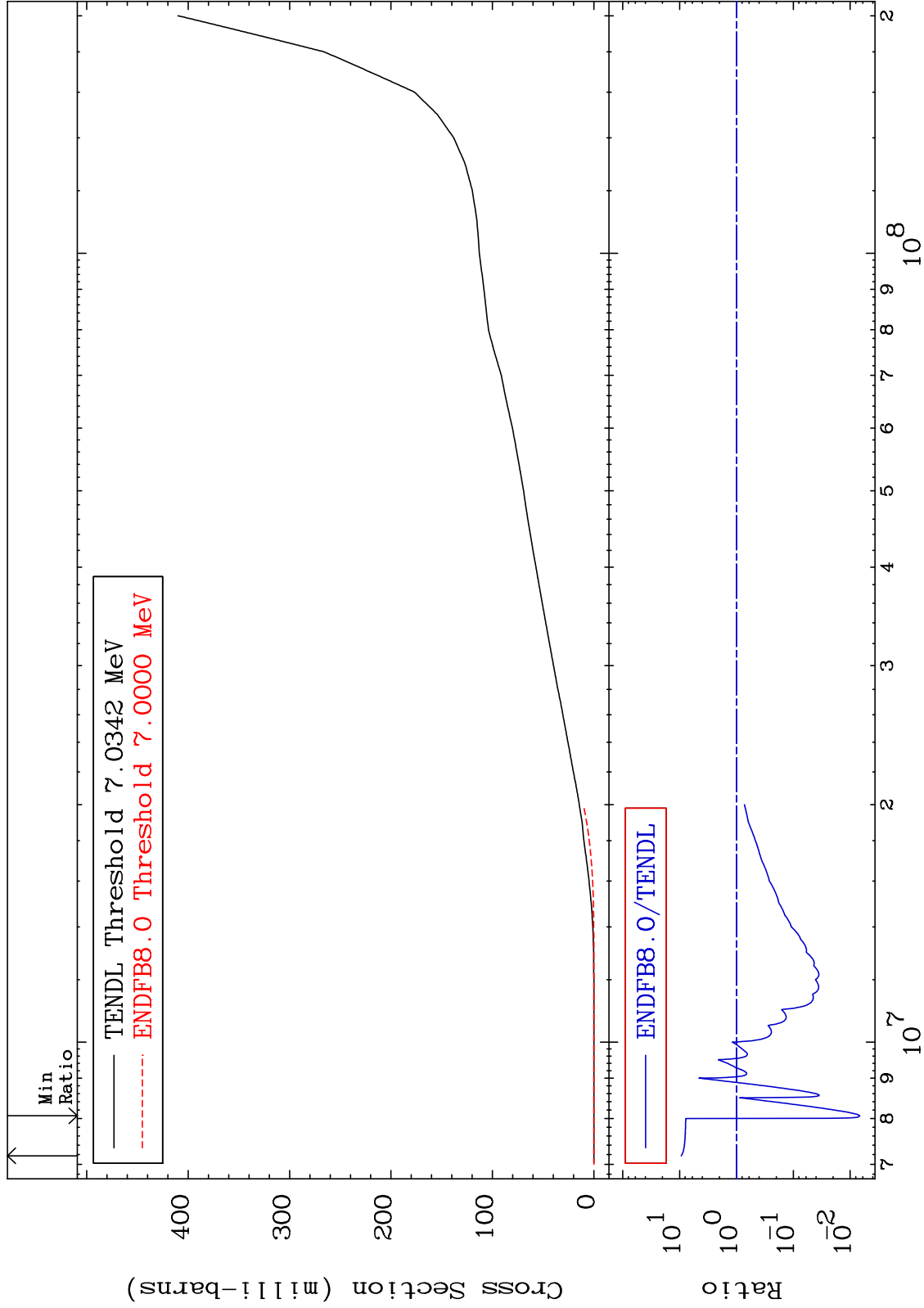
MAT 4437 Hydrogen Production Cross Section 44-Ru-100 -99.97 To -12.46%



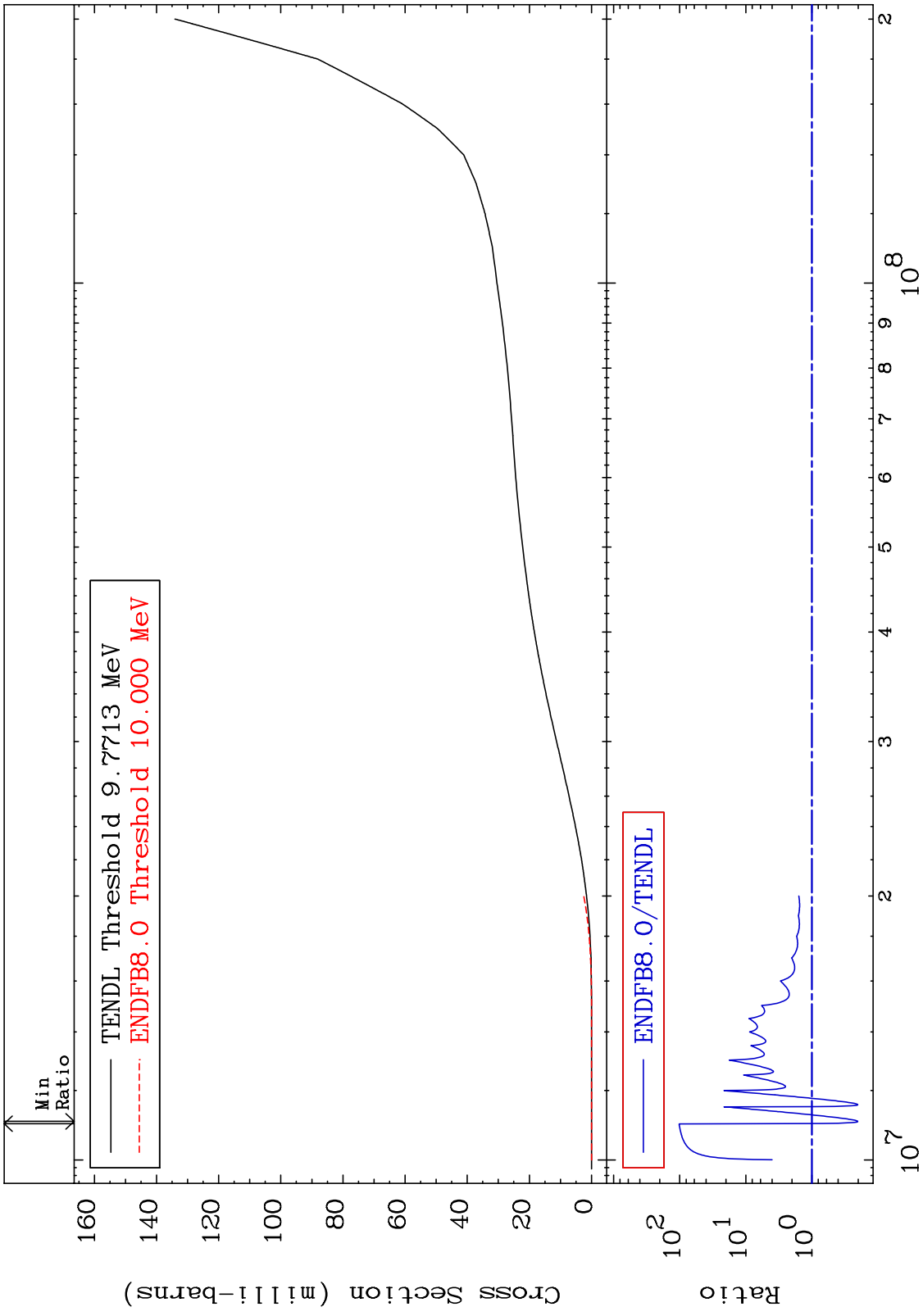
MAT 4437

Deuterium Production
Cross Section

44-Ru-100
-99.32 To 836.7 %



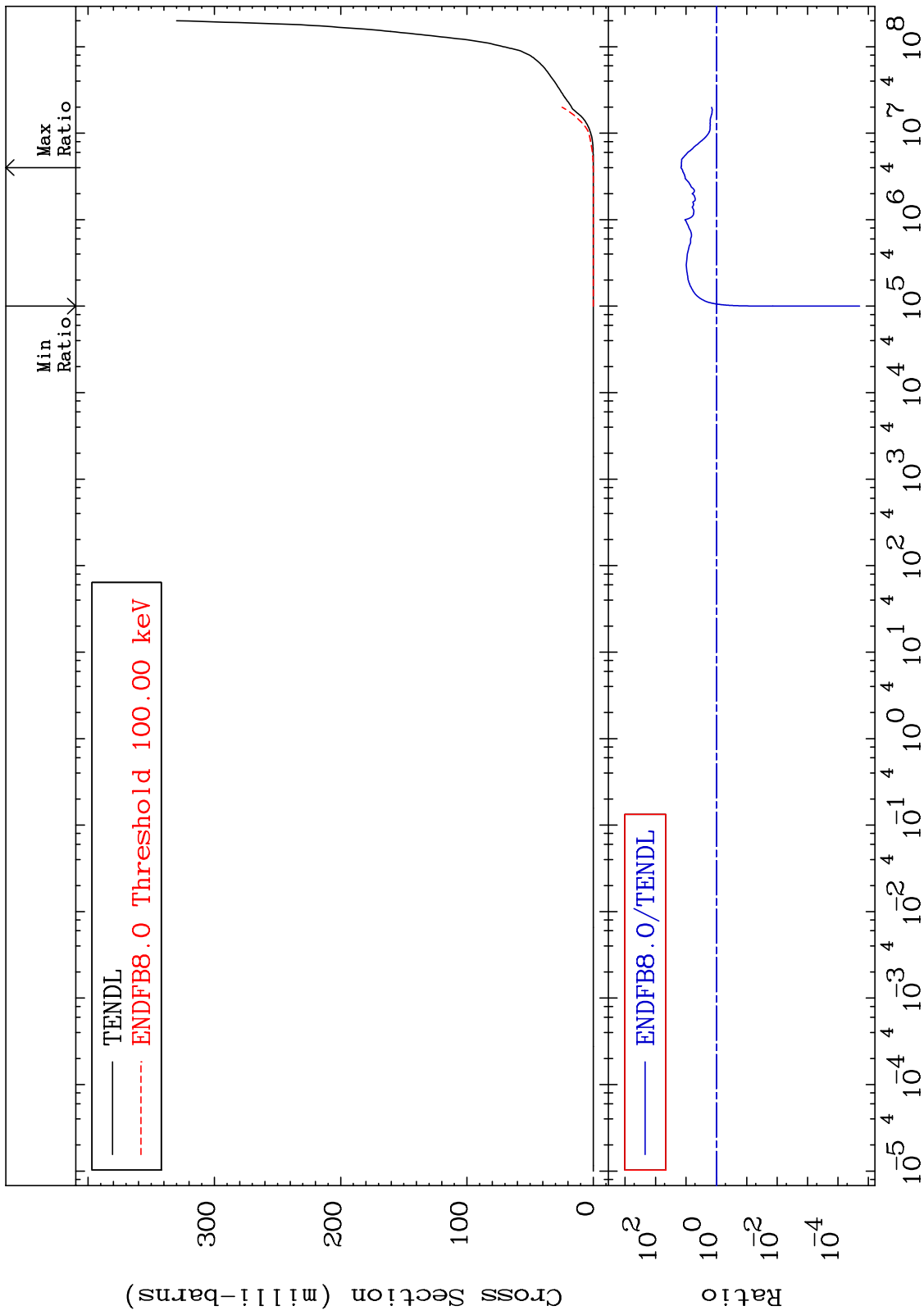
MAT 4437 Tritium Production Cross Section 44-Ru-100 -79.80 To 9999. %



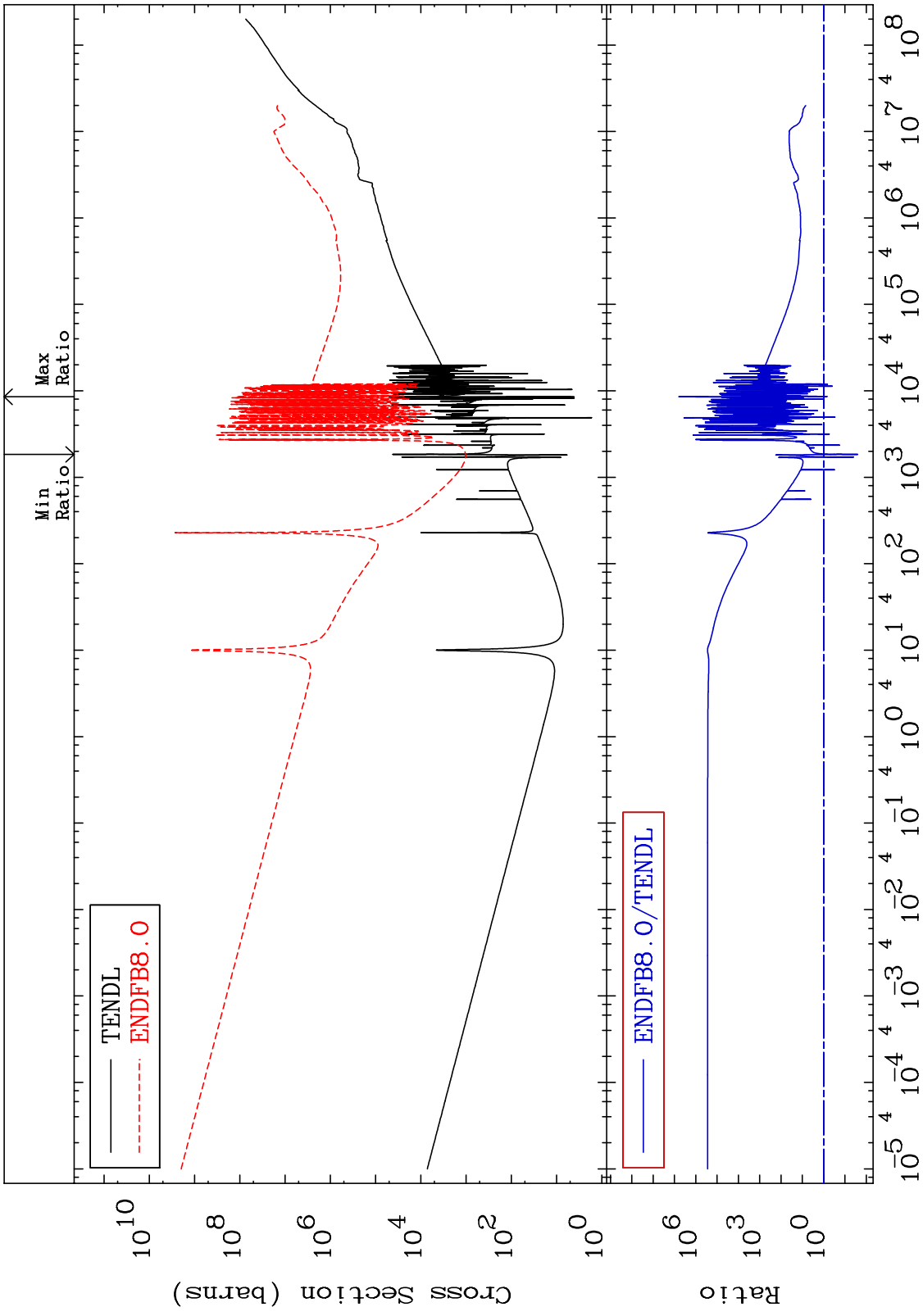
MAT 4437

He-4 Production
Cross Section

44-Ru-100
-100.0 To 1369. %



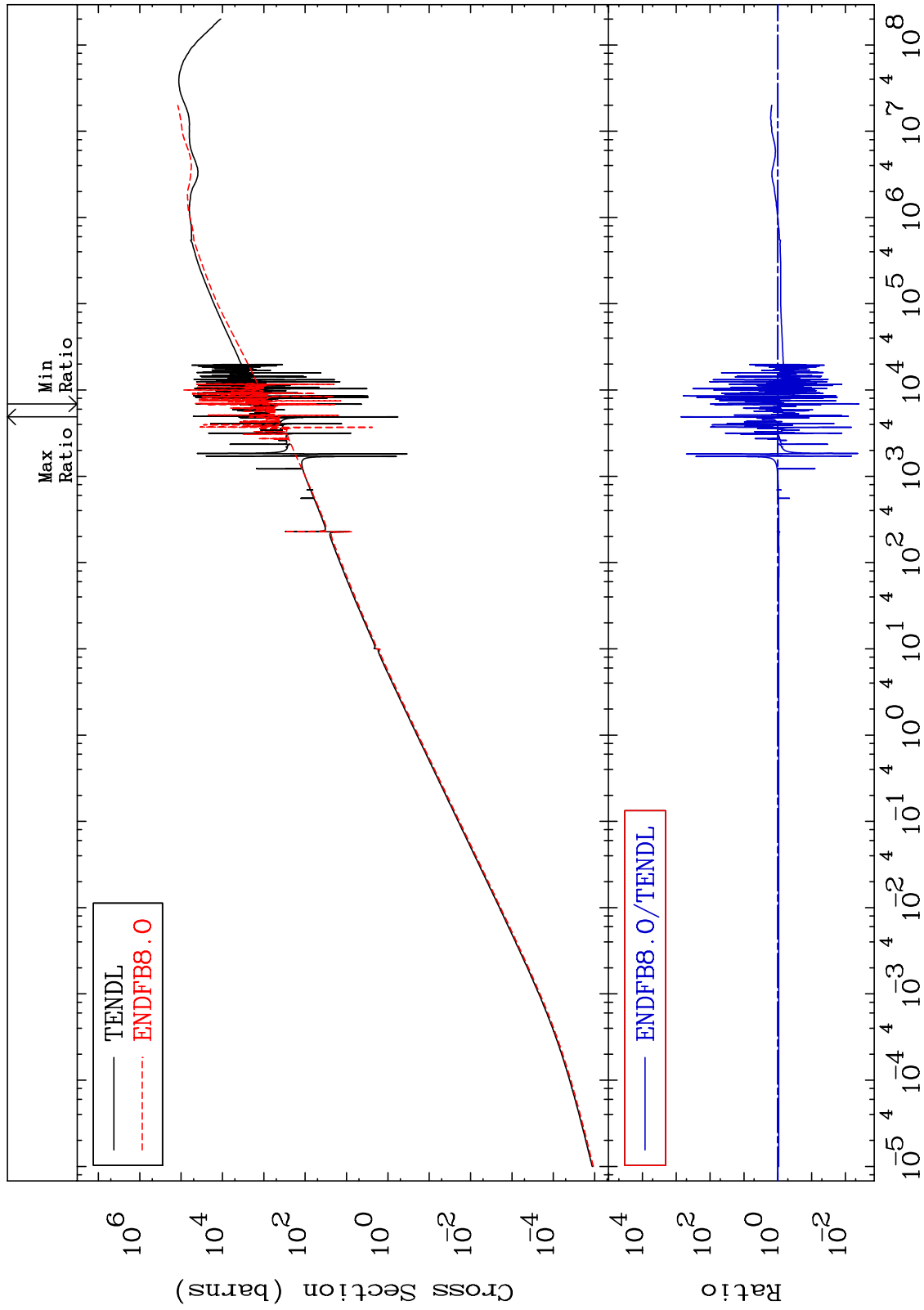
MAT 4437 Kerma total (eV-barns) 44-Ru-100
 Cross Section -97.53 To 9999. %



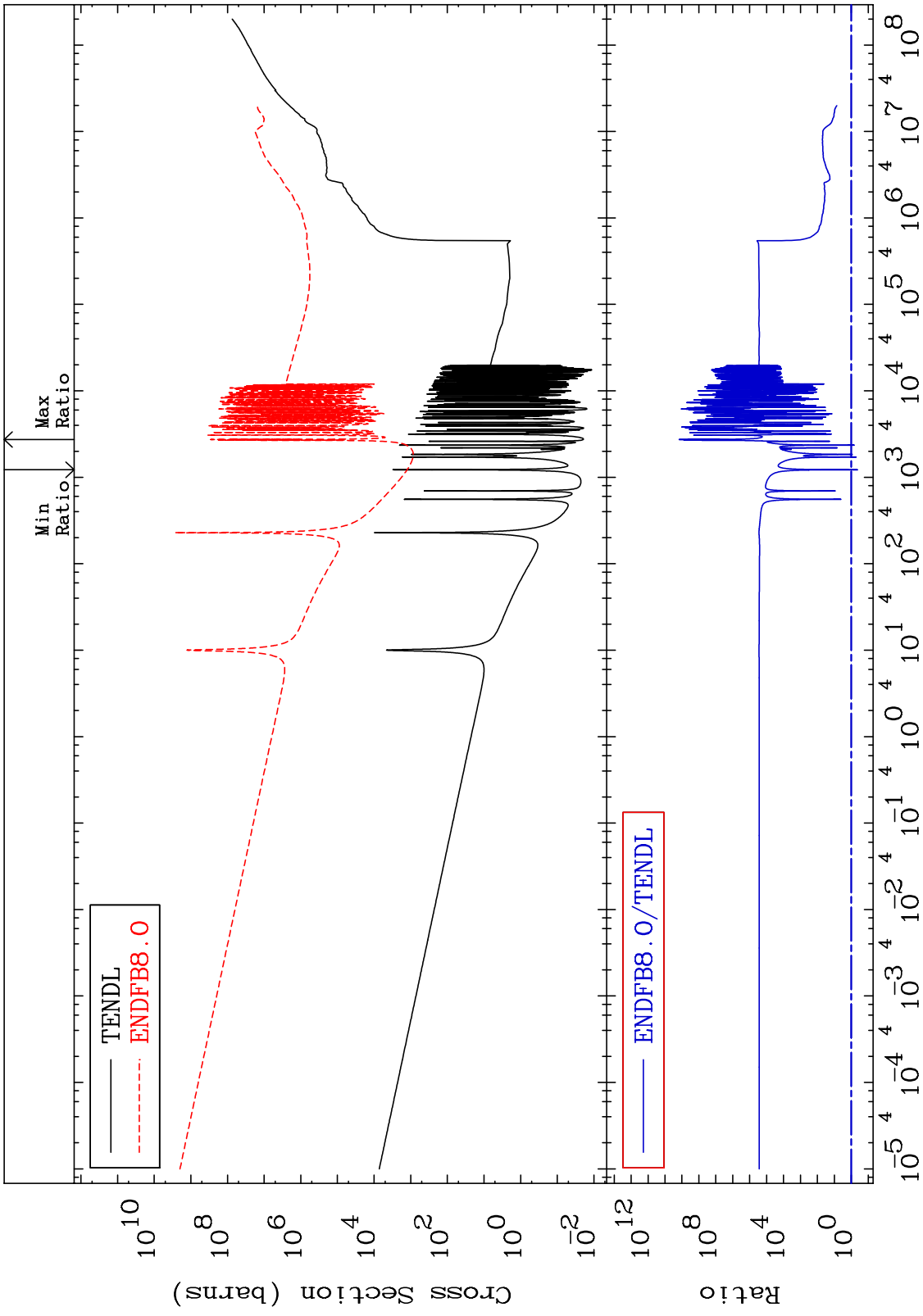
MAT 4437

Kerma elastic
Cross Section

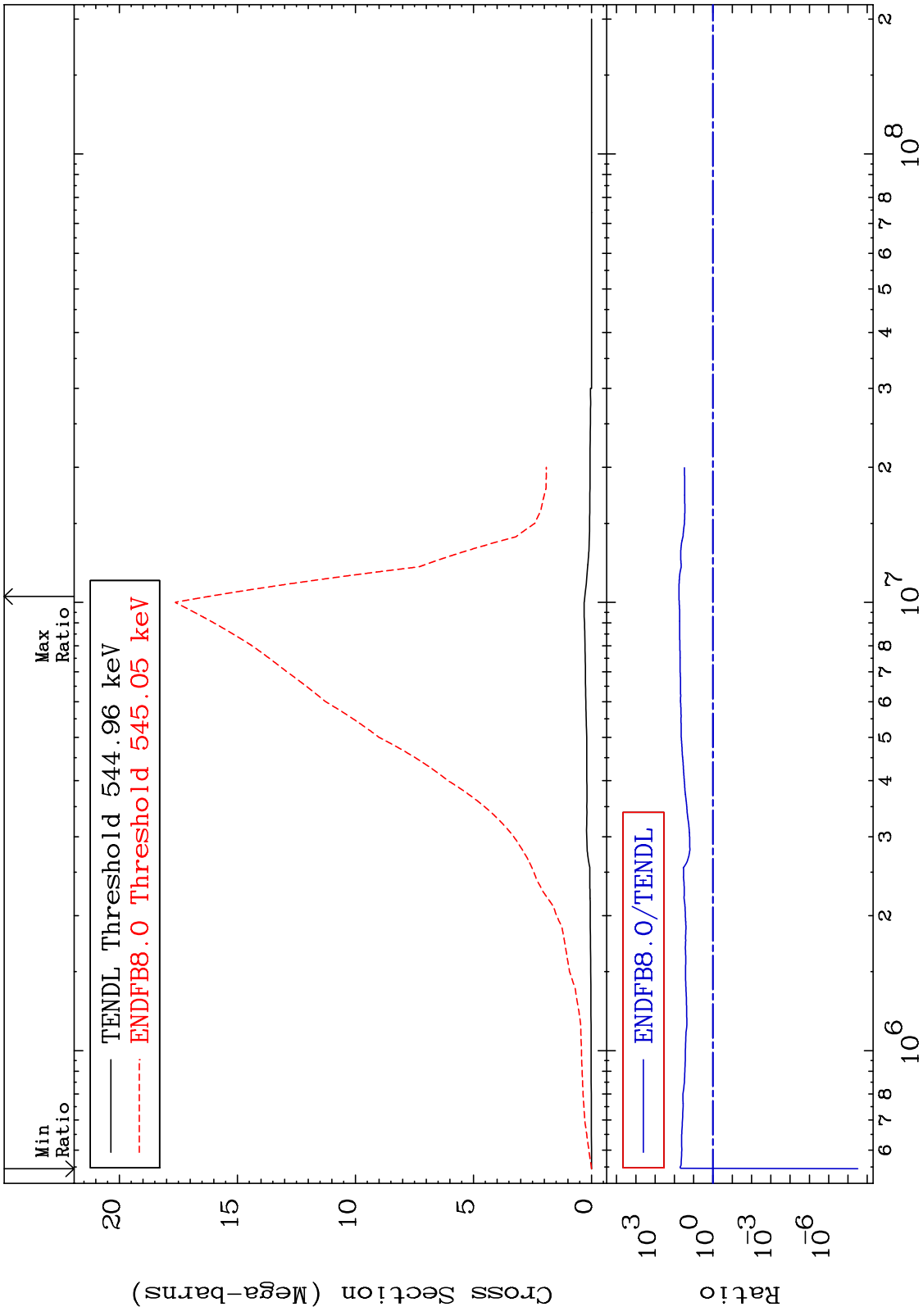
44-Ru-100
-99.60 To 9999. %



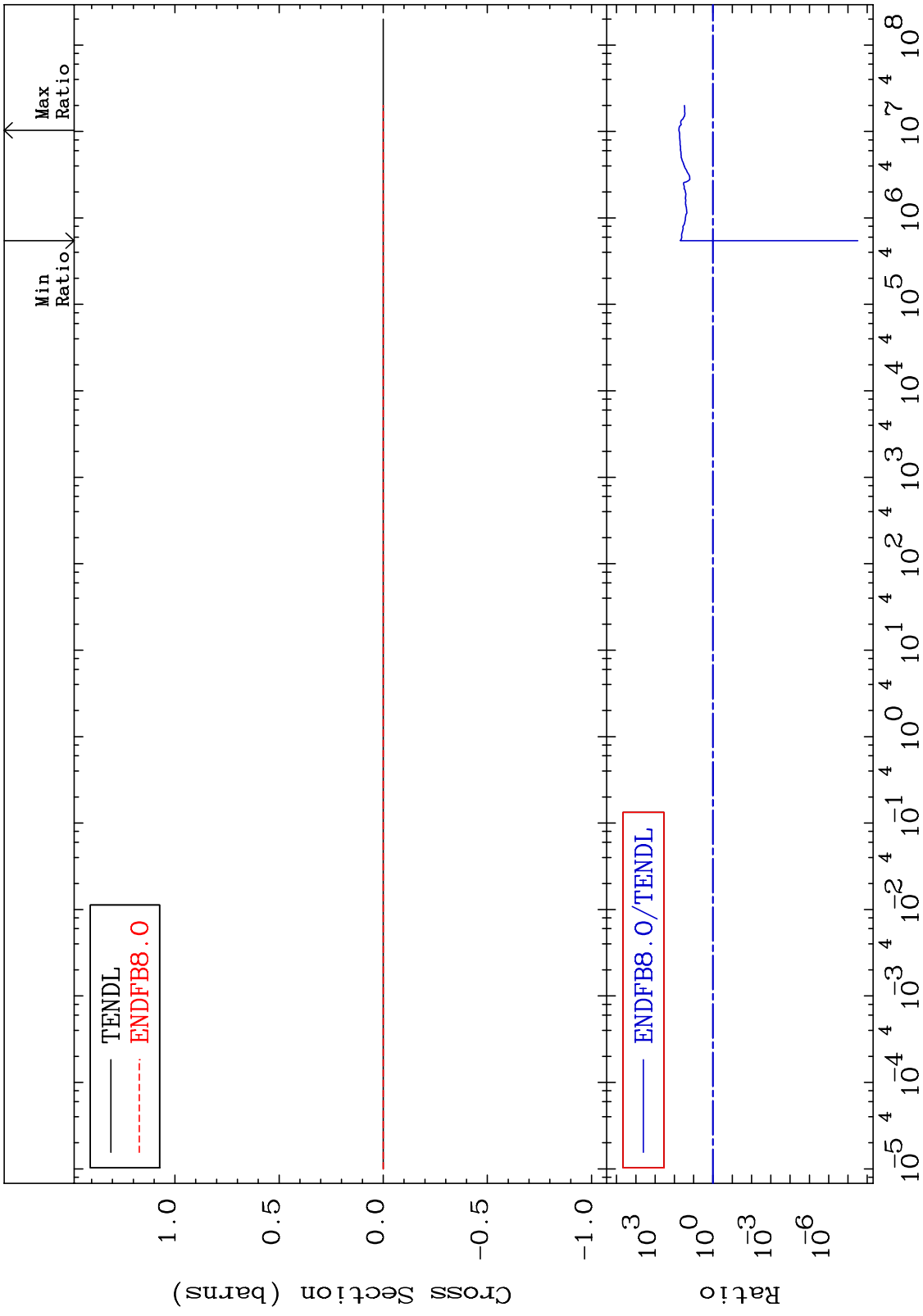
MAT 4437 Kerma non-elastic (all but mt2) 44-Ru-100
 Cross Section -58.94 To 9999. %



MAT 4437 Kerma inelastic (mt51-91) 44-Ru-100
 Cross Section -100.0 To 5636. %



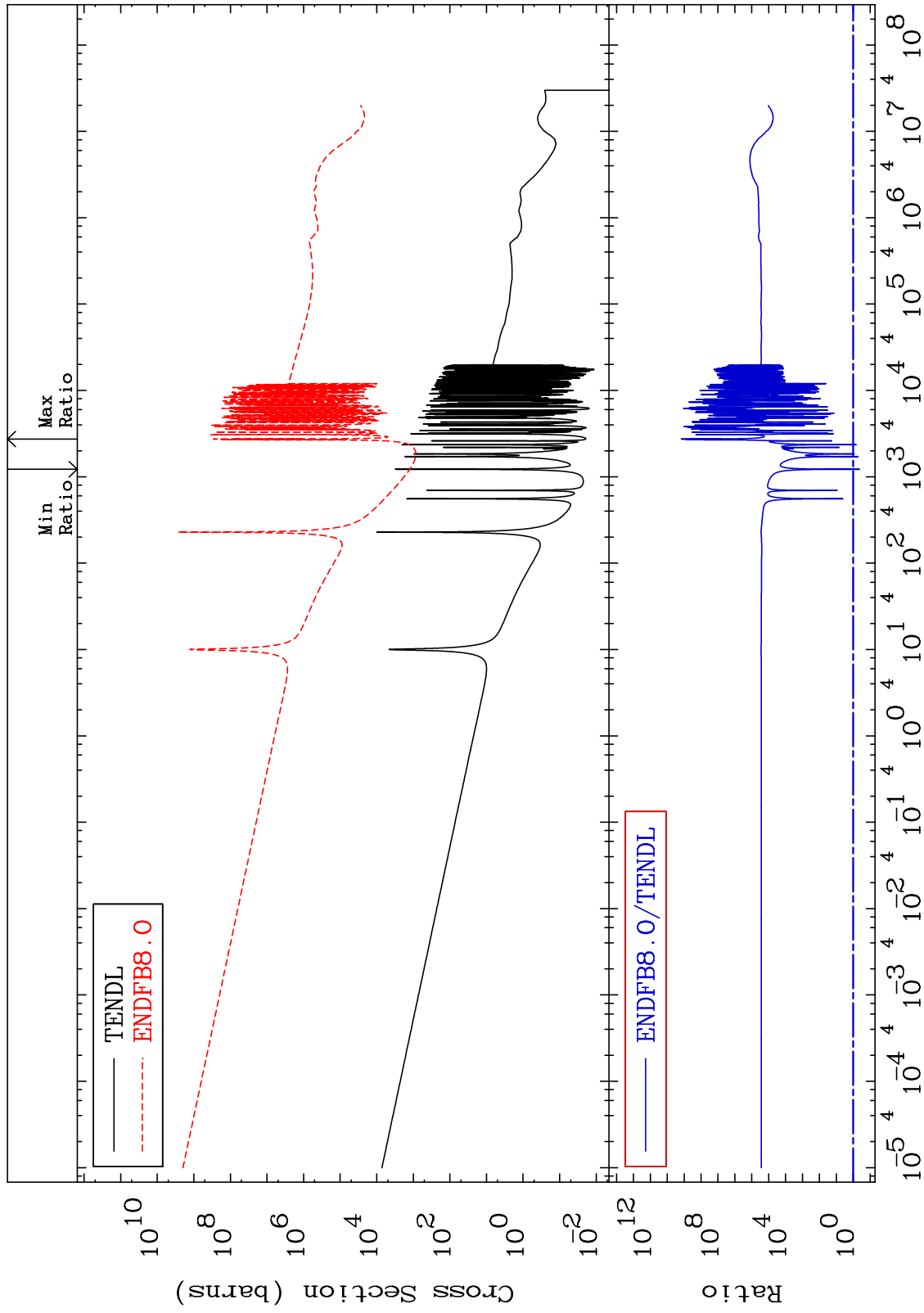
MAT 4437 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-100
 Cross Section -100.0 To 5636. %



MAT 4437

Kerma capture (mt102)
Cross Section

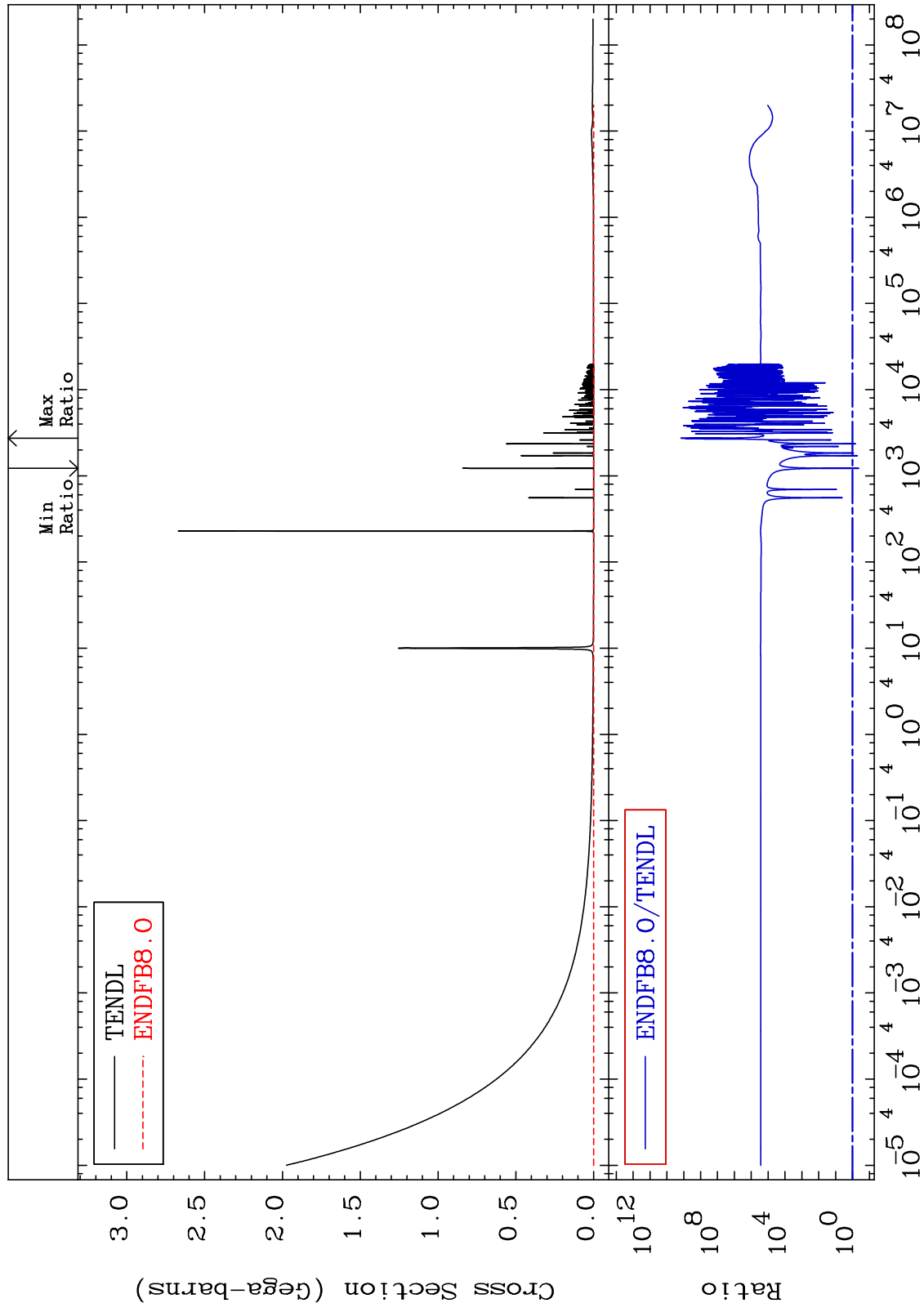
44-Ru-100
-58.94 To 9999. %



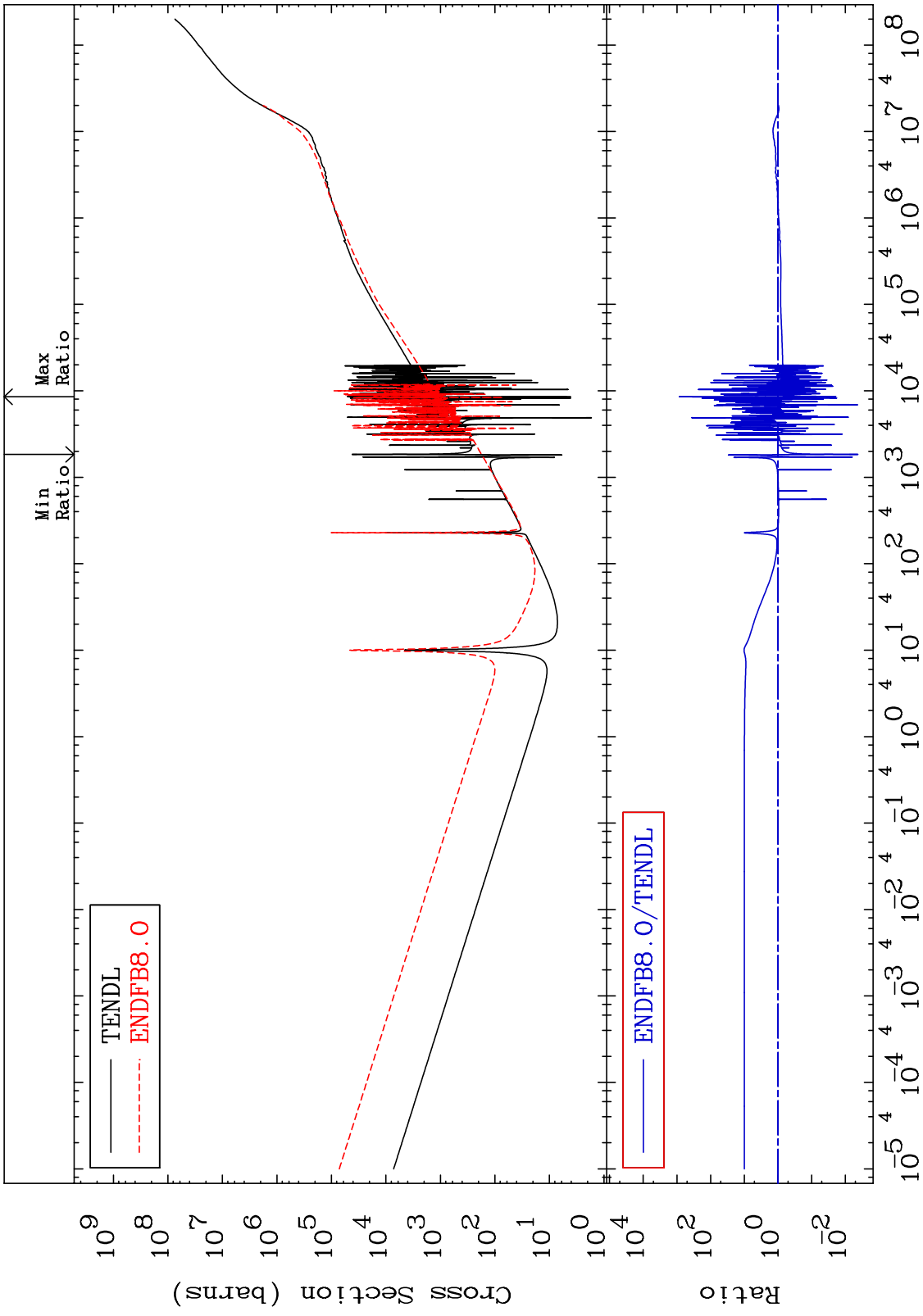
MAT 4437

Total photon (eV-barns)
Cross Section

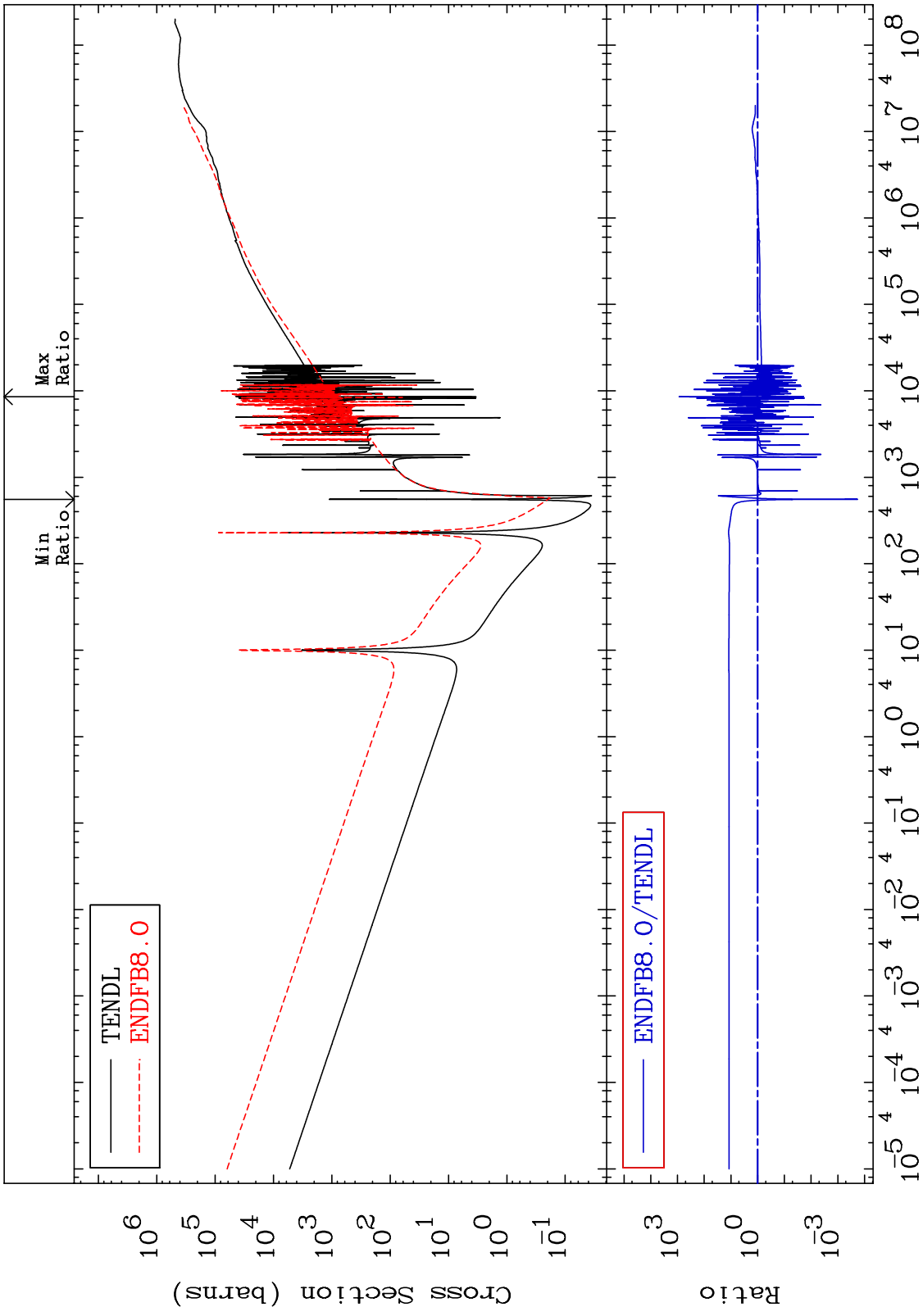
44-Ru-100
-58.94 To 9999. %



MAT 4437 Total kinematic kerma (high limit) 44-Ru-100
 Cross Section -99.58 To 9999. %



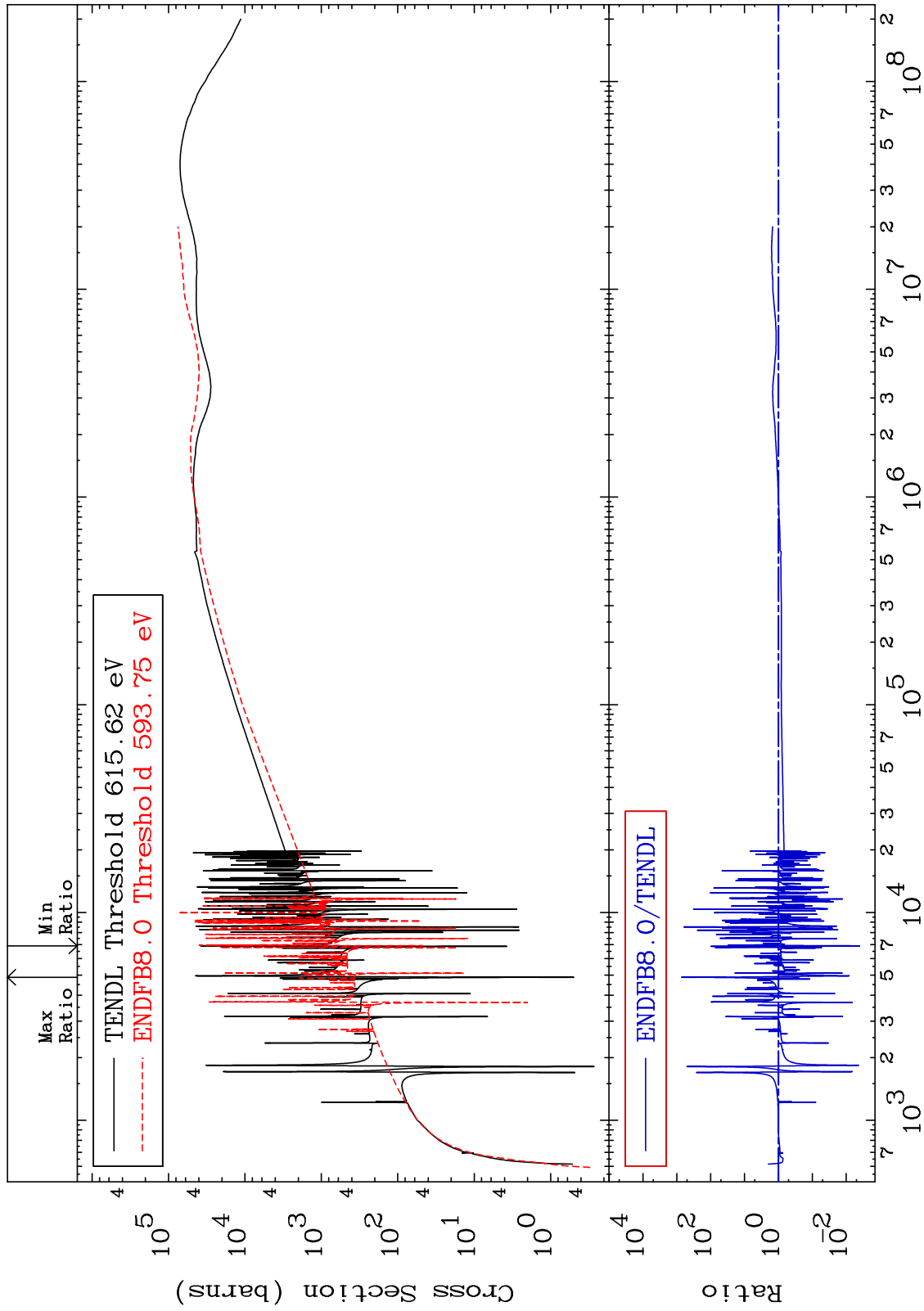
MAT 4437 Dpa total (eV-barns) 44-Ru-100
 Cross Section -99.98 To 9999. %



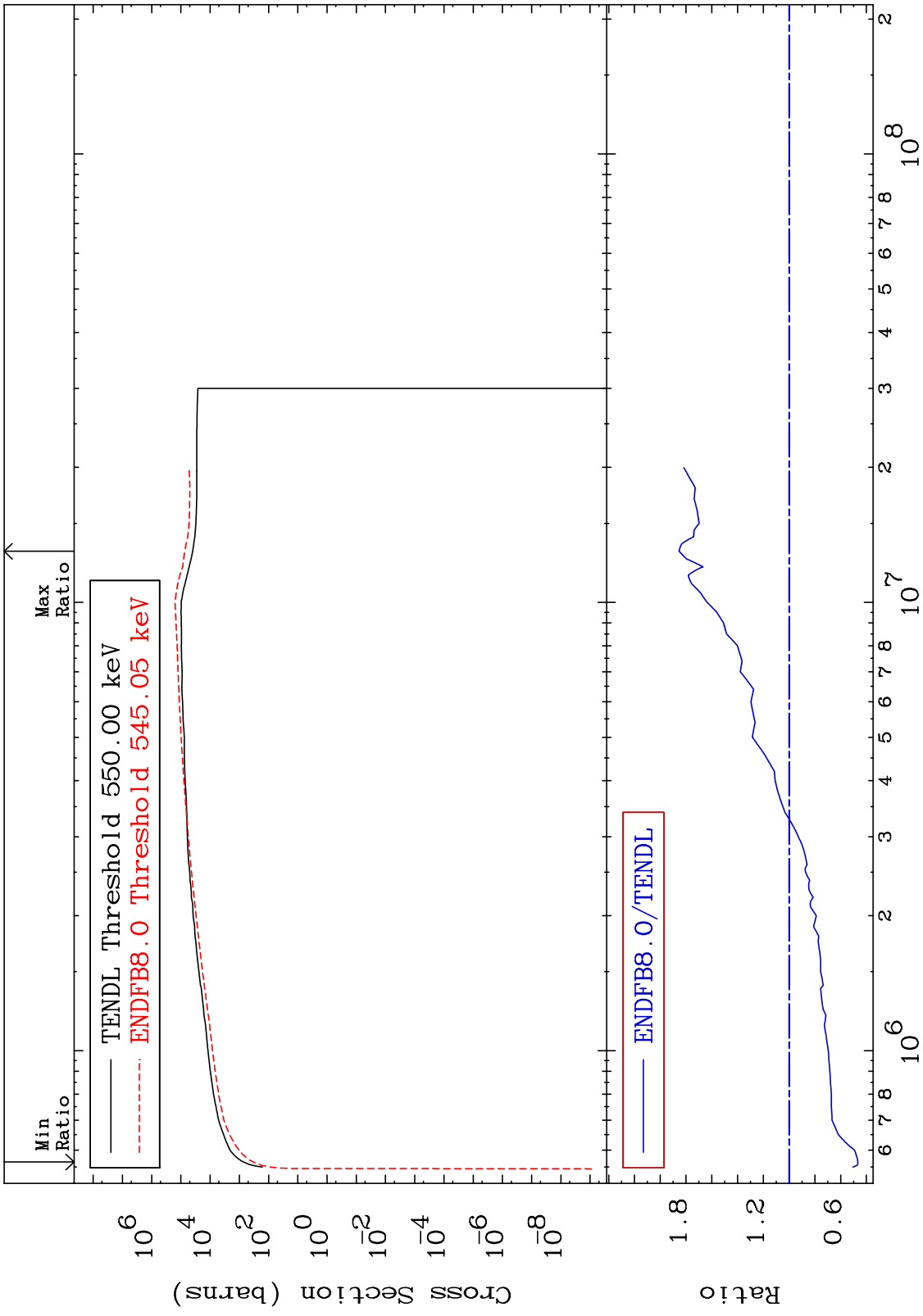
MAT 4437

Dpa elastic (mt2)
Cross Section

44-Ru-100
-99.60 To 9999. %



MAT 4437 Dpa inelastic (mt51-91) 44-Ru-100
 Cross Section -53.34 To 85.41 %



MAT 4437 Dpa disappearance (mt102 -120) 44-Ru-100
 Cross Section -100.0 To 9999. %

