

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

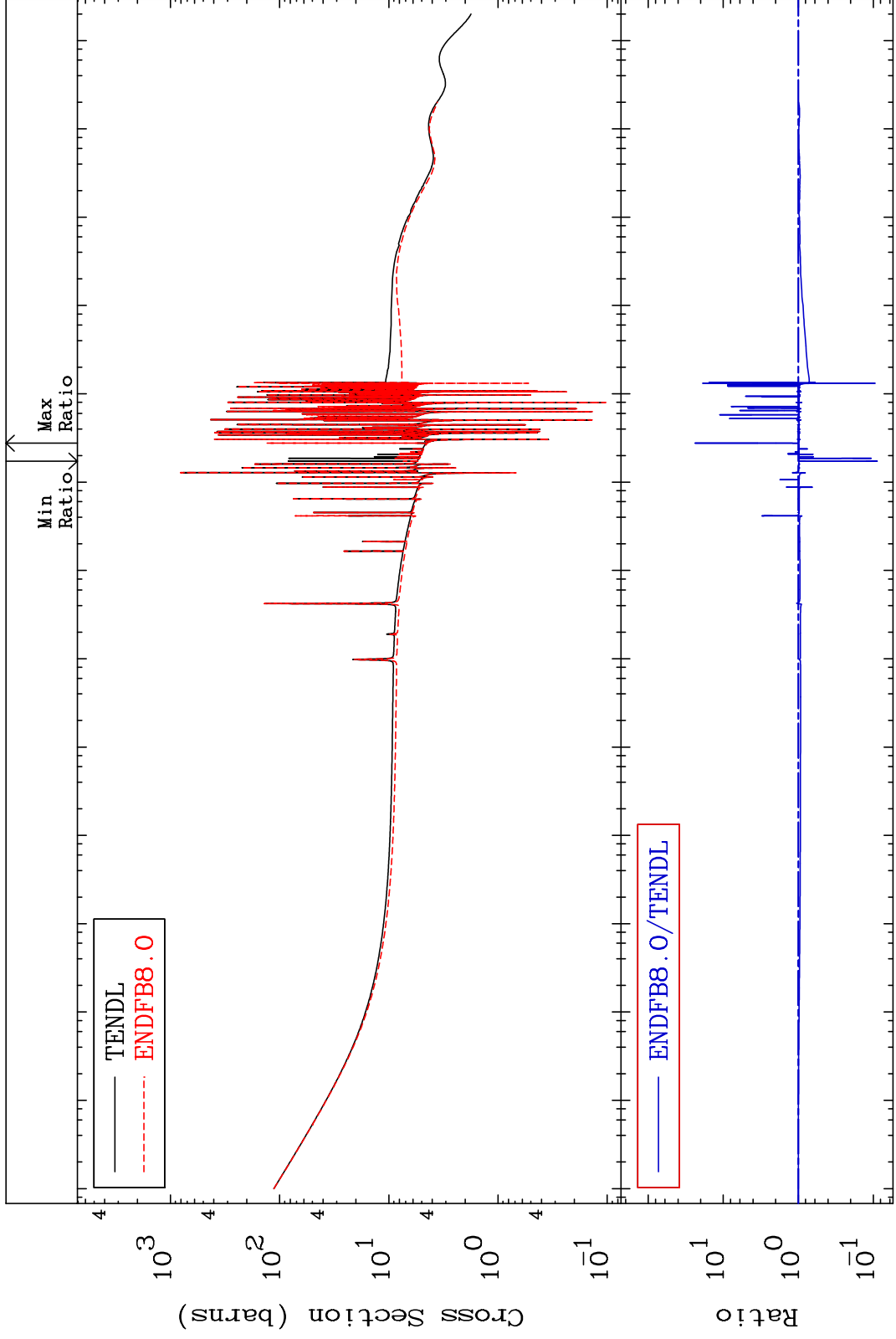
MAT 4443

Total

44-Ru-102

Cross Section

-91.20 To 2289. %



Incident Energy (eV)

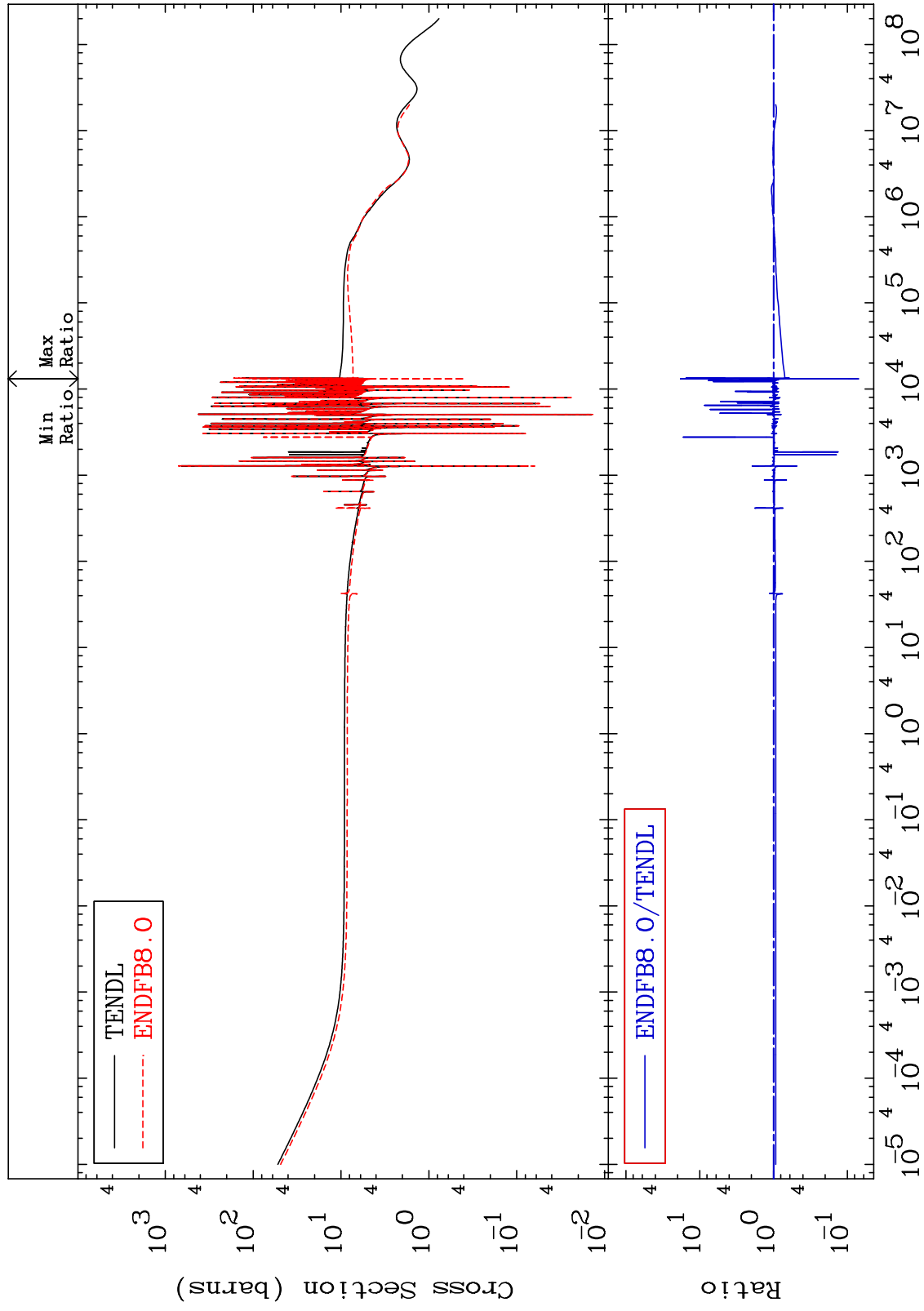
44-Ru-102

1

MAT 4443

Elastic
Cross Section

44-Ru-102
-92.93 To 1724. %



Incident Energy (eV)

44-Ru-102

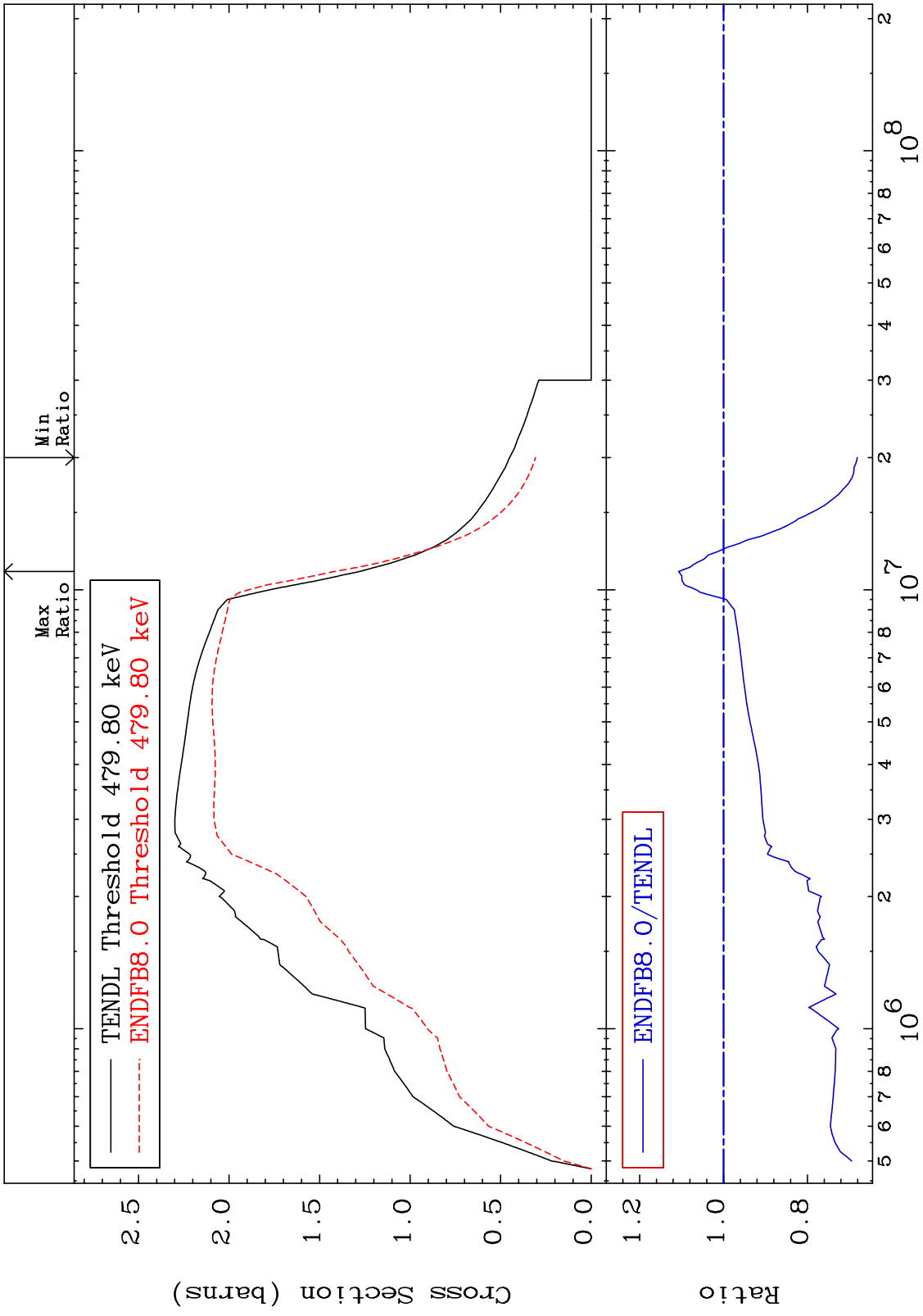
2

MAT 4443

Inelastic
Cross Section

44-Ru-102

-31.89 To 10.70 %



3

Incident Energy (eV)

44-Ru-102

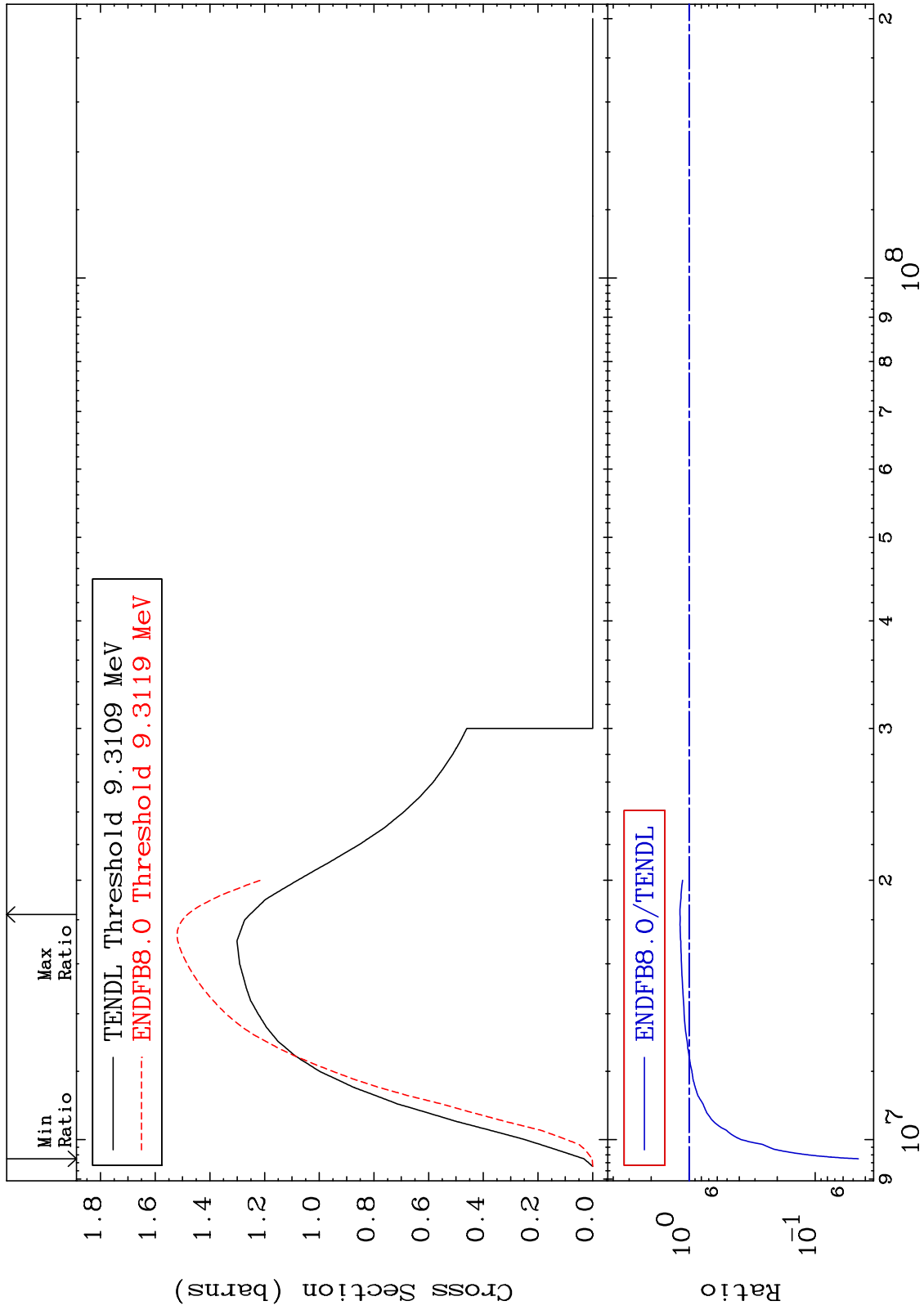
MAT 4443

(n,2n)

44-Ru-102

Cross Section

-95.46 To 18.21 %



Incident Energy (eV)

44-Ru-102

4

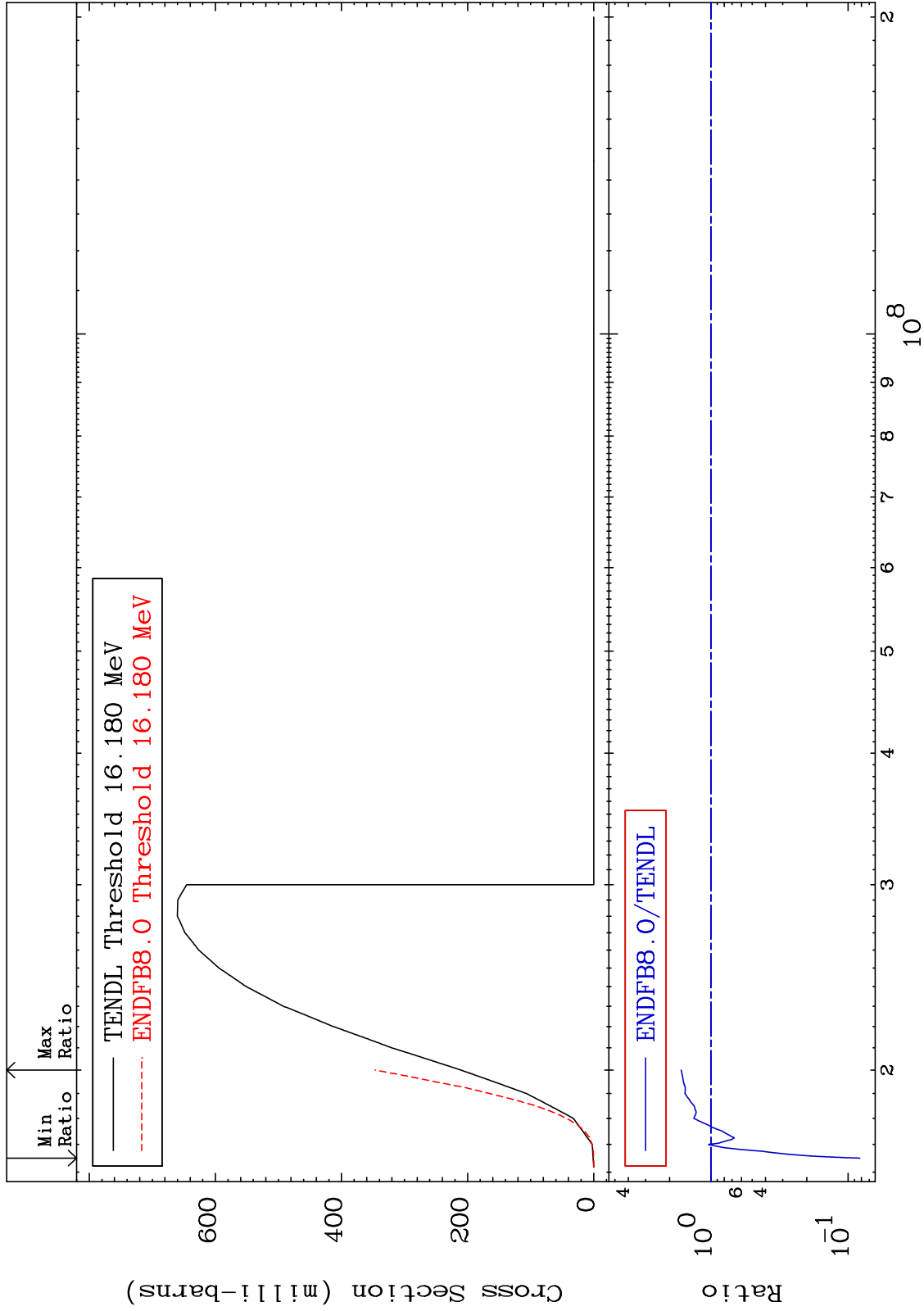
MAT 4443

(n,3n)

44-Ru-102

Cross Section

-91.80 To 64.60 %



5

Incident Energy (eV)

44-Ru-102

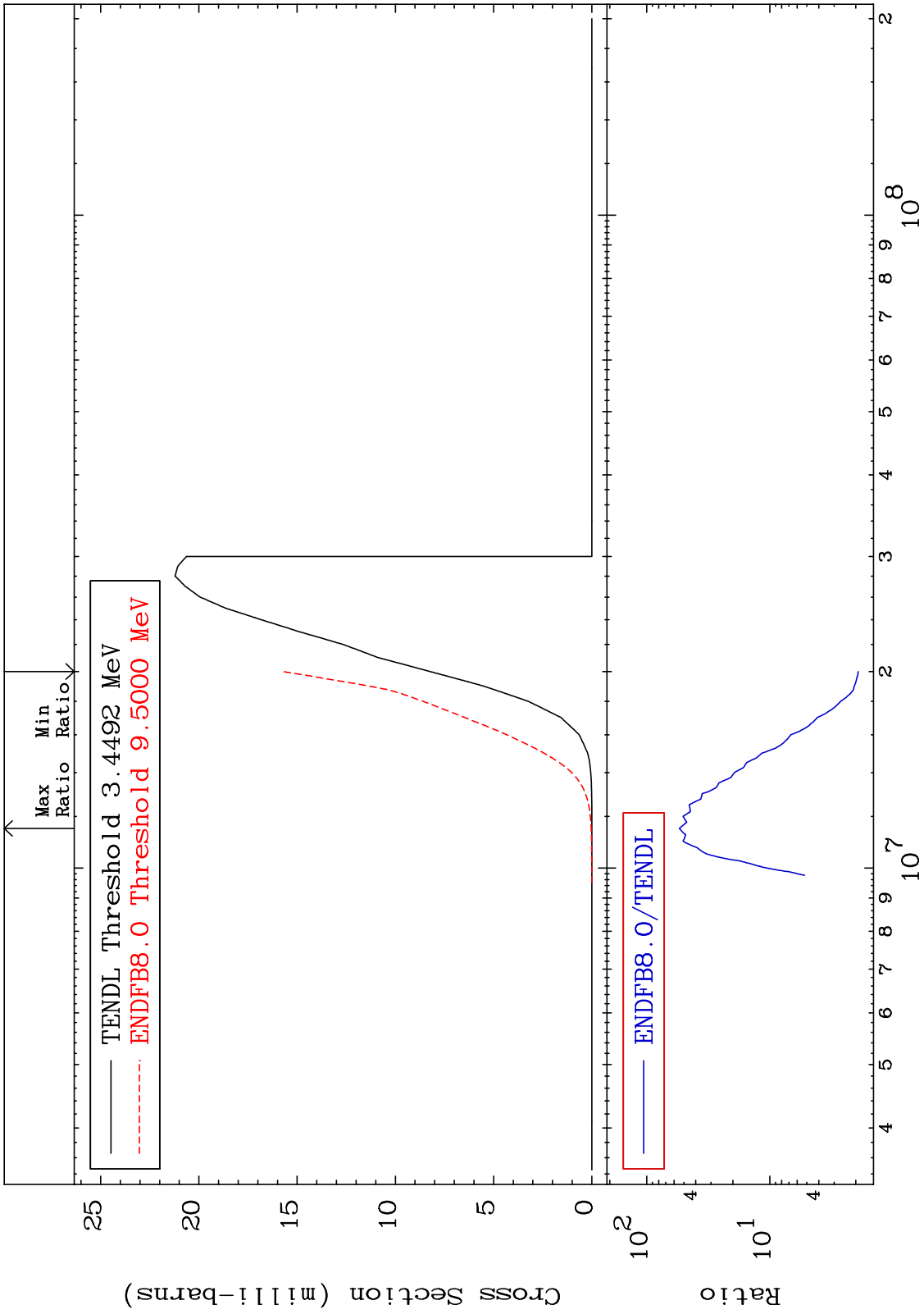
MAT 4443

(n,n') α

44-Ru-102

91.10 To 5335. %

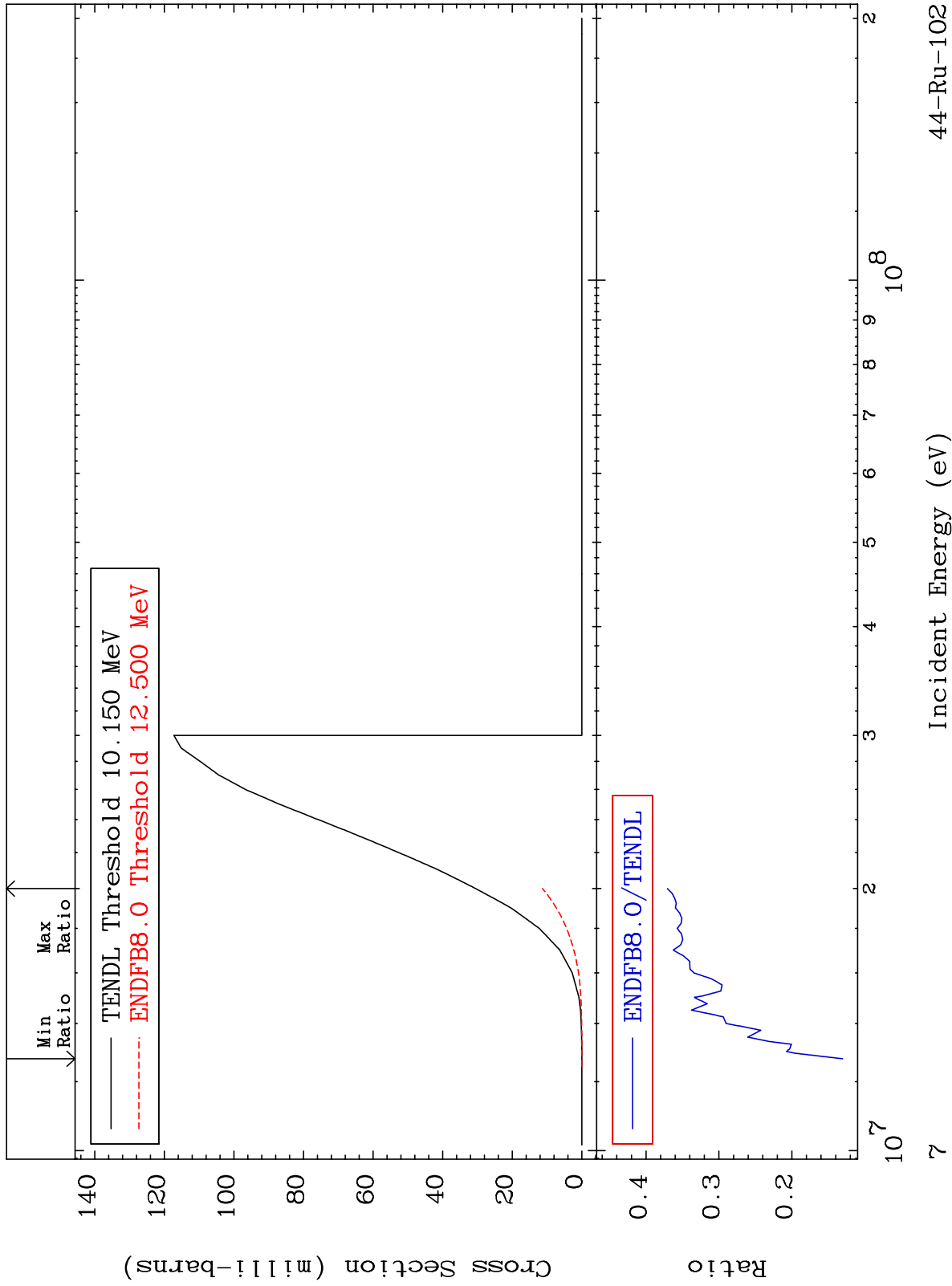
Cross Section



MAT 4443

(n,n') p
Cross Section

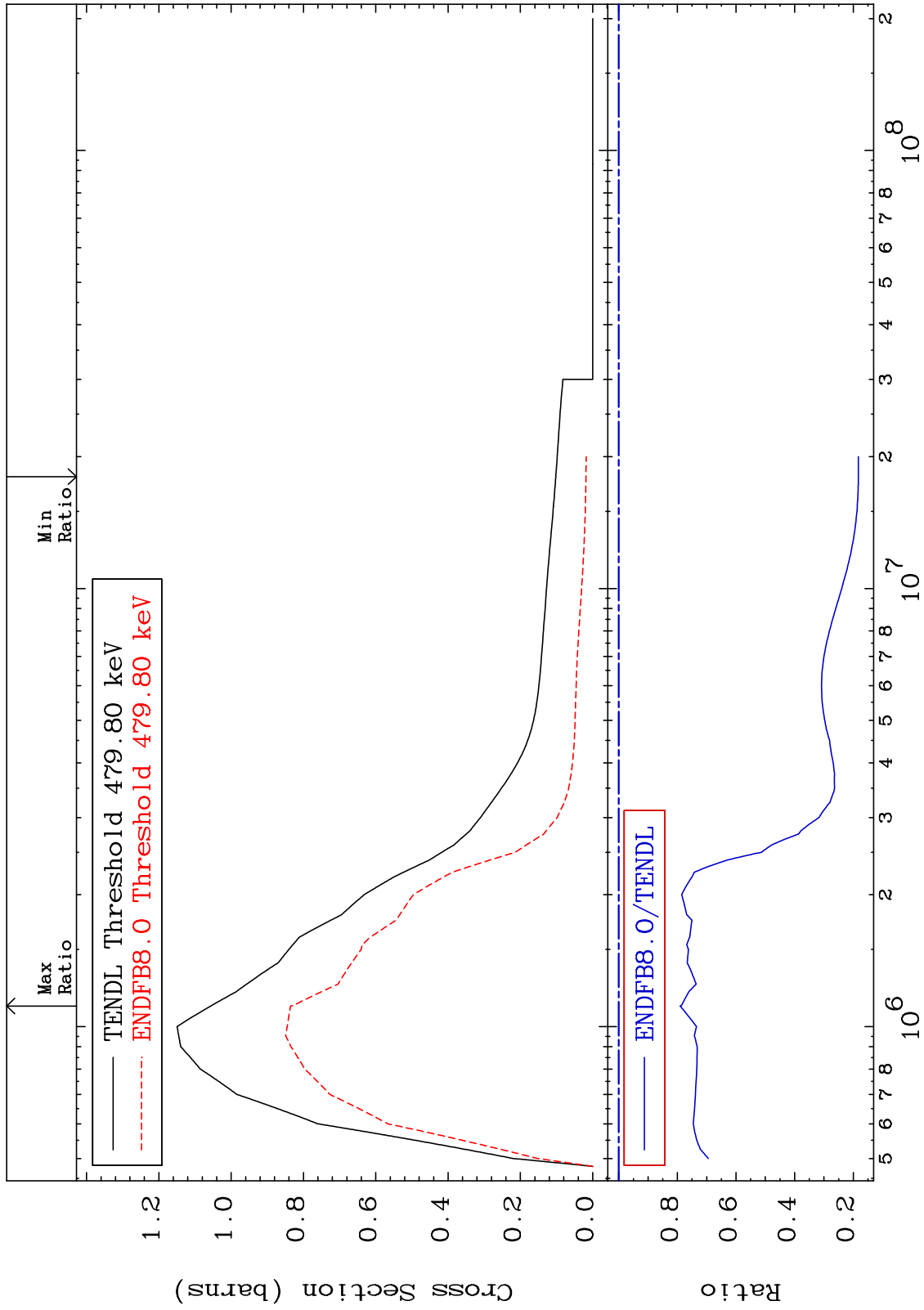
44-Ru-102
-86.96 To -62.95%



Incident Energy (eV)

44-Ru-102

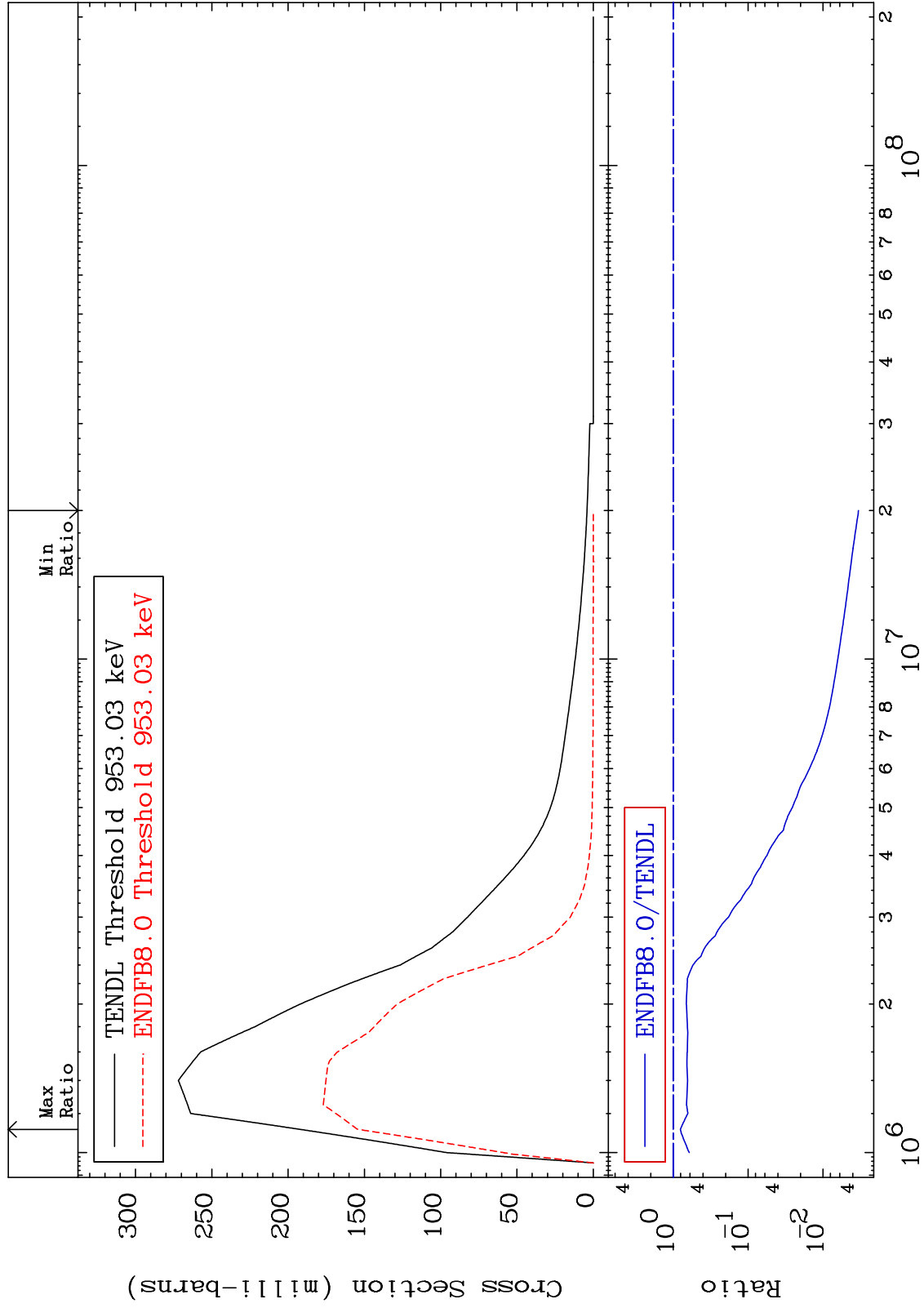
MAT 4443 MT= 51 (n,n') Level Cross Section 44-Ru-102 -81.75 To -20.90%



MAT 4443

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

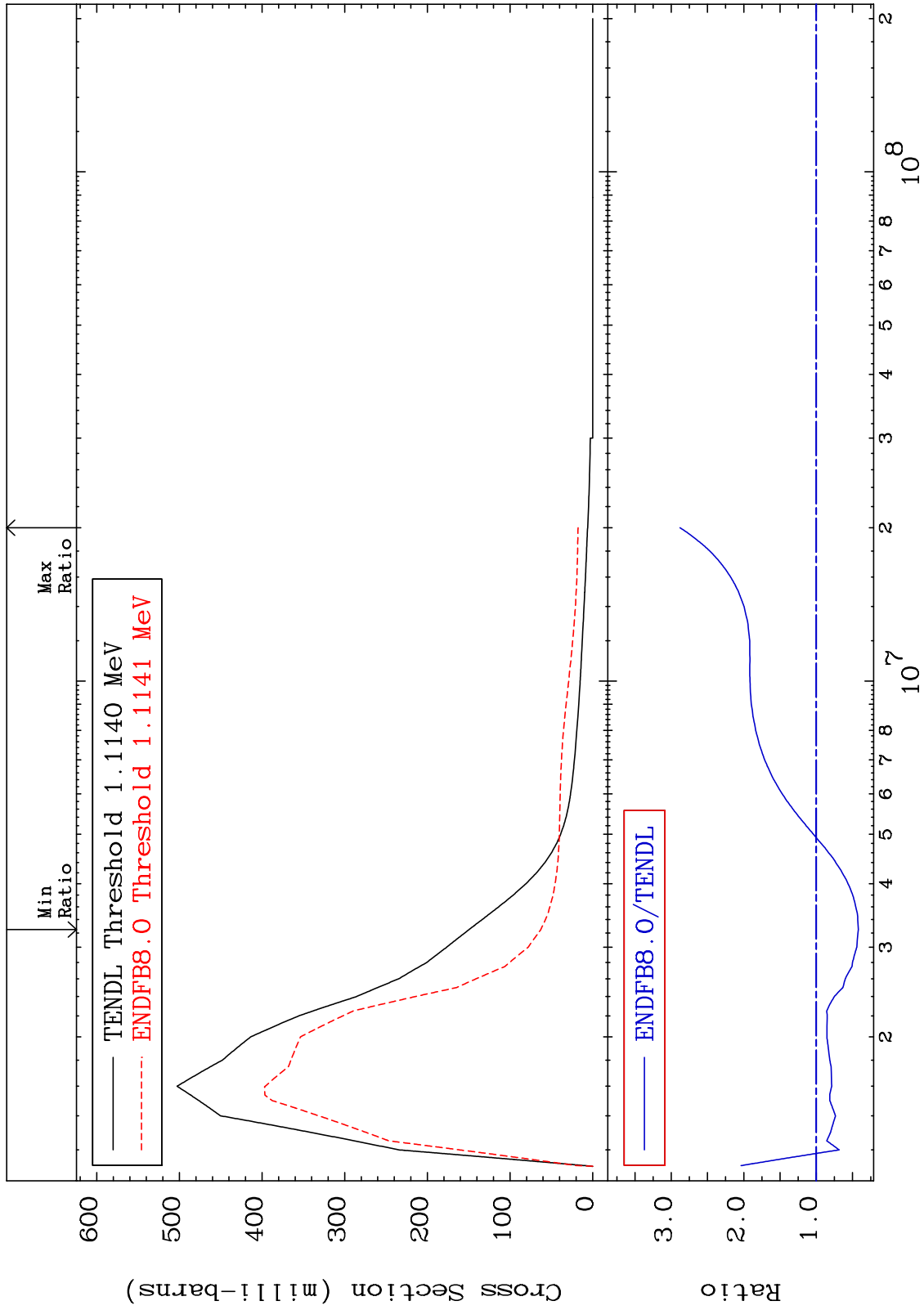
44-Ru-102
-99.66 To -19.75%



Incident Energy (eV)

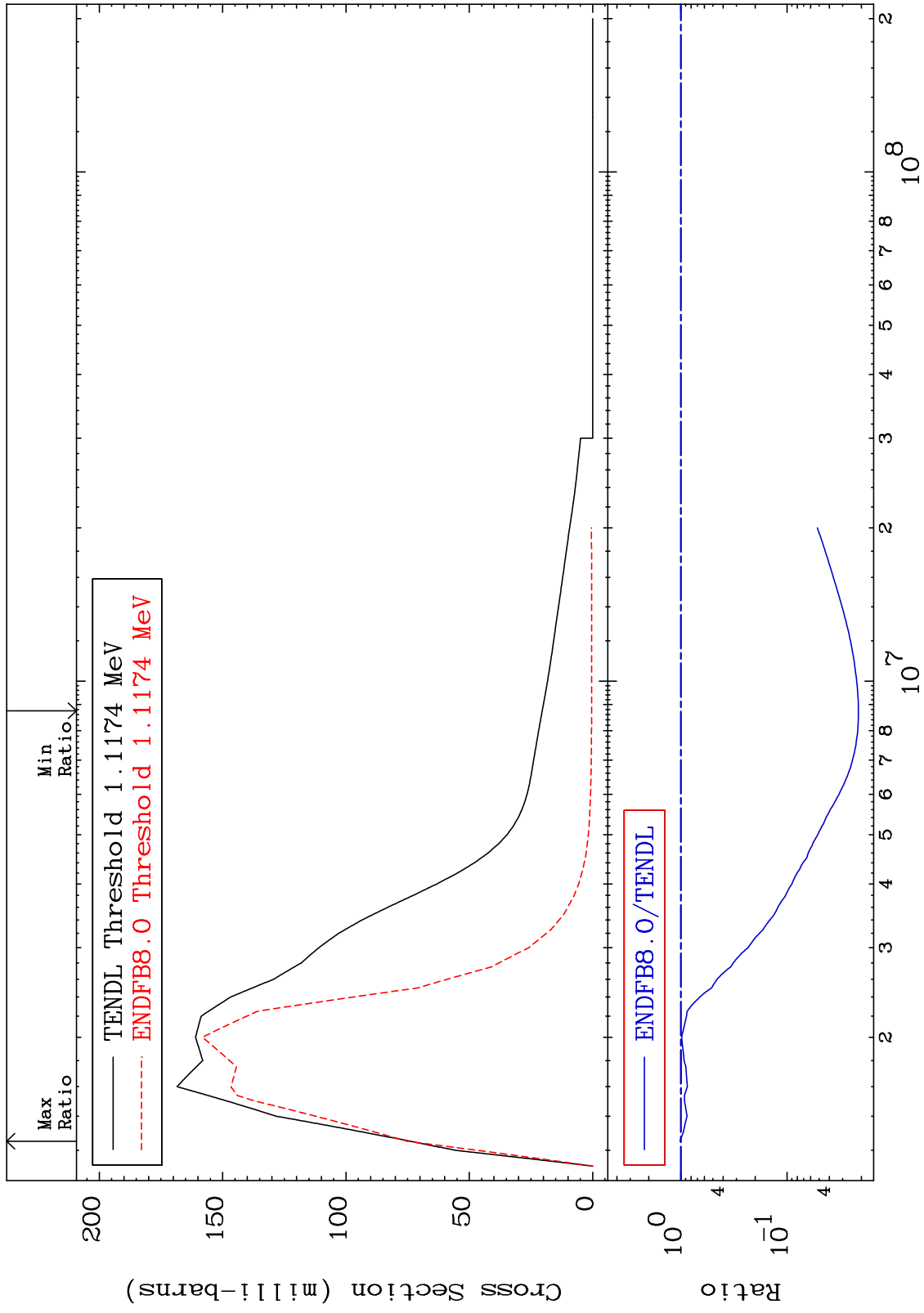
44-Ru-102

MAT 4443 MT= 53 (n, n') Level Cross Section 44-Ru-102 -58.05 To 187.9 %



44-Ru-102

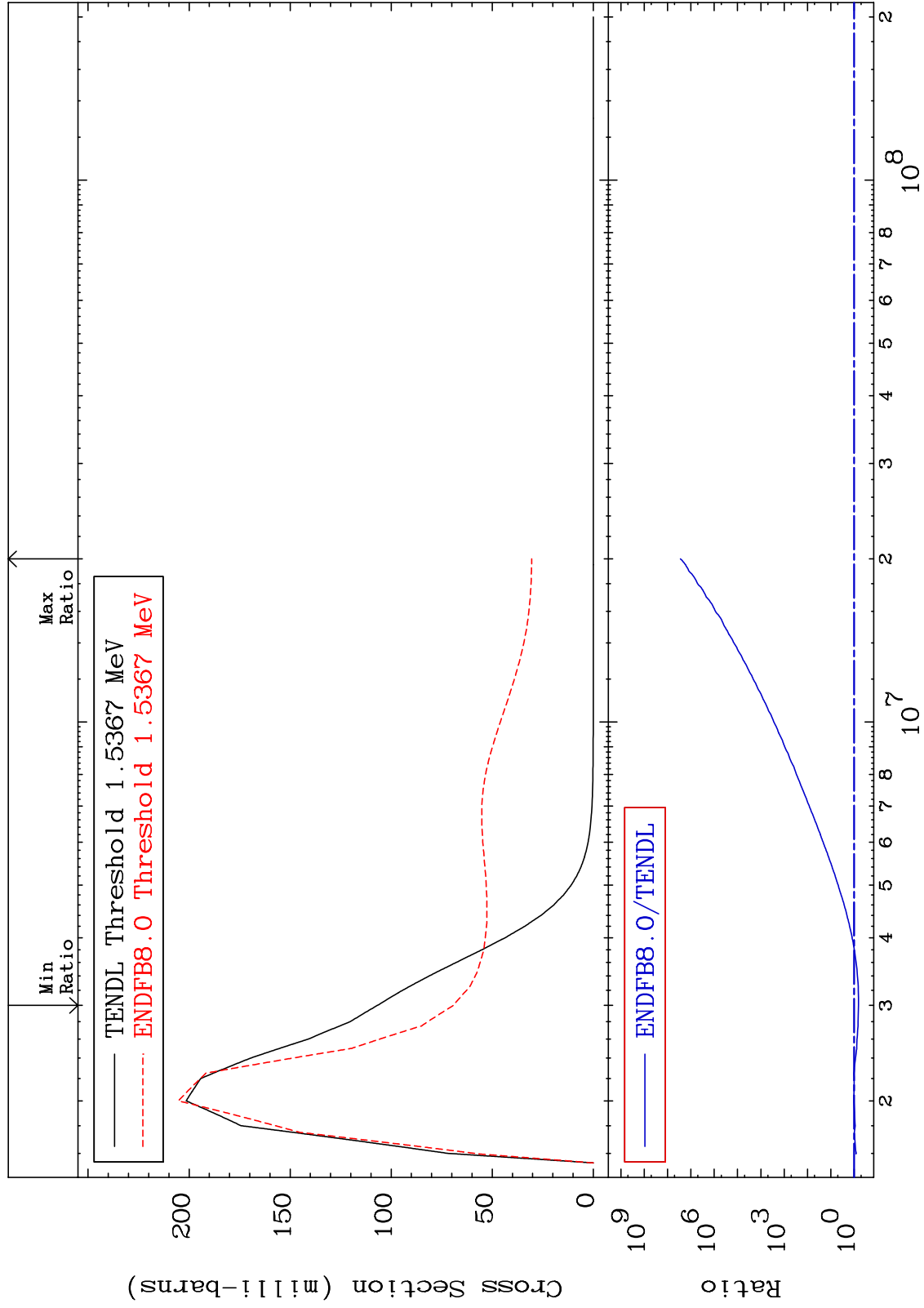
MAT 4443 MT= 54 (n,n') Level 44-Ru-102
 Cross Section -97.87 To 1.803 %



MAT 4443

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

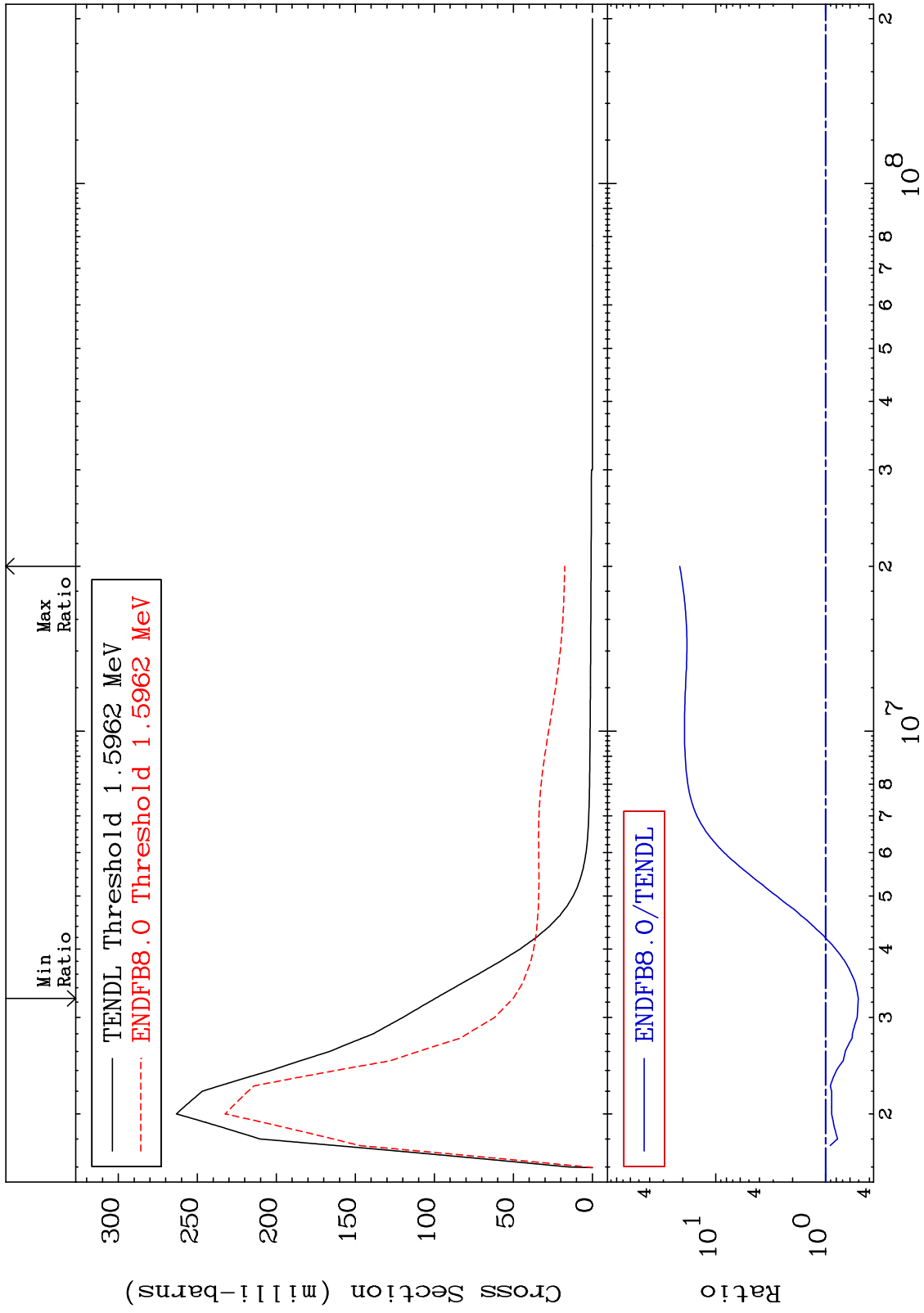
44-Ru-102
-35.16 To 9999. %



MAT 4443

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

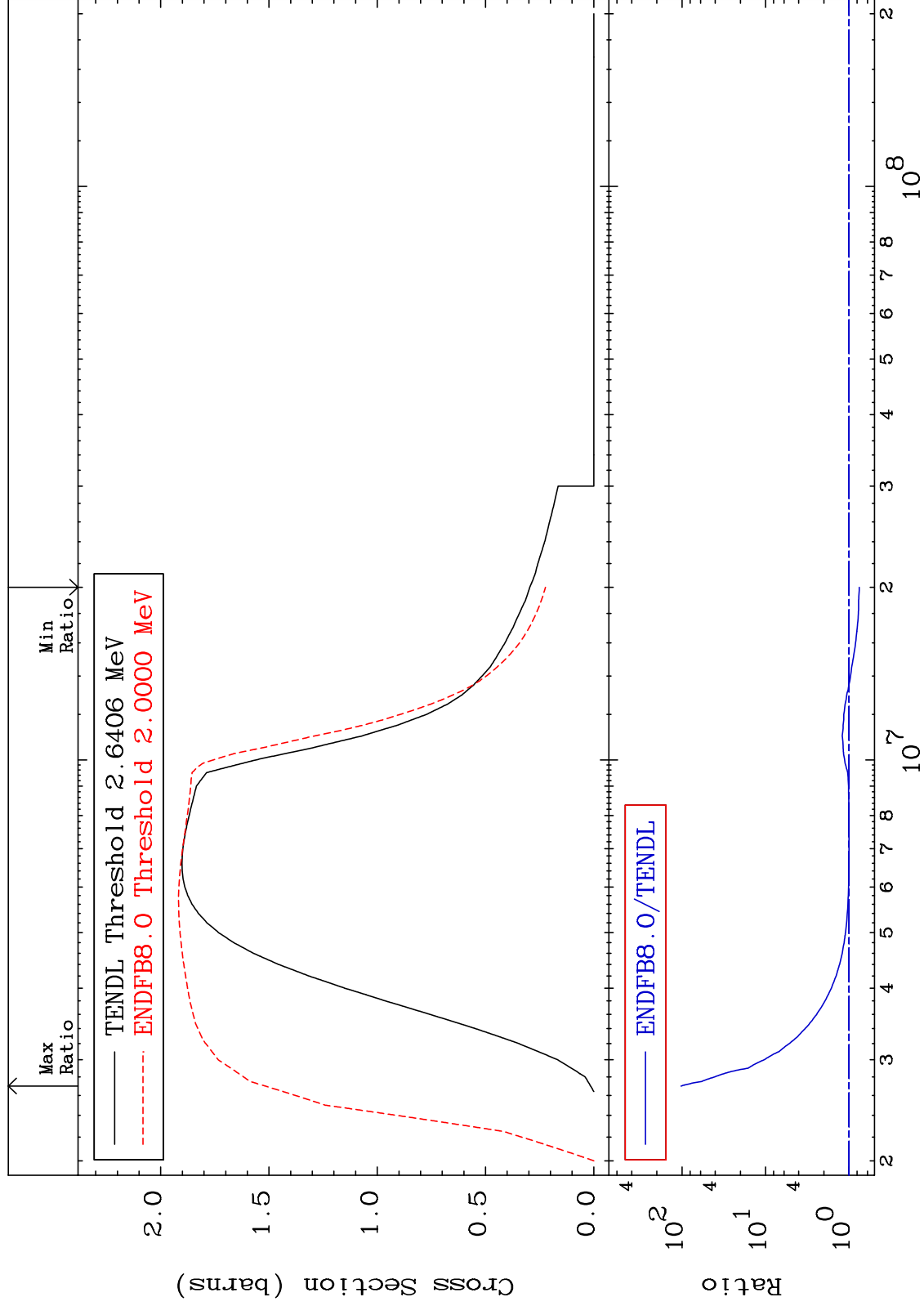
44-Ru-102
-49.61 To 2026. %



MAT 4443

(n, n') Continuum
Cross Section

44-Ru-102
-24.56 To 9999. %



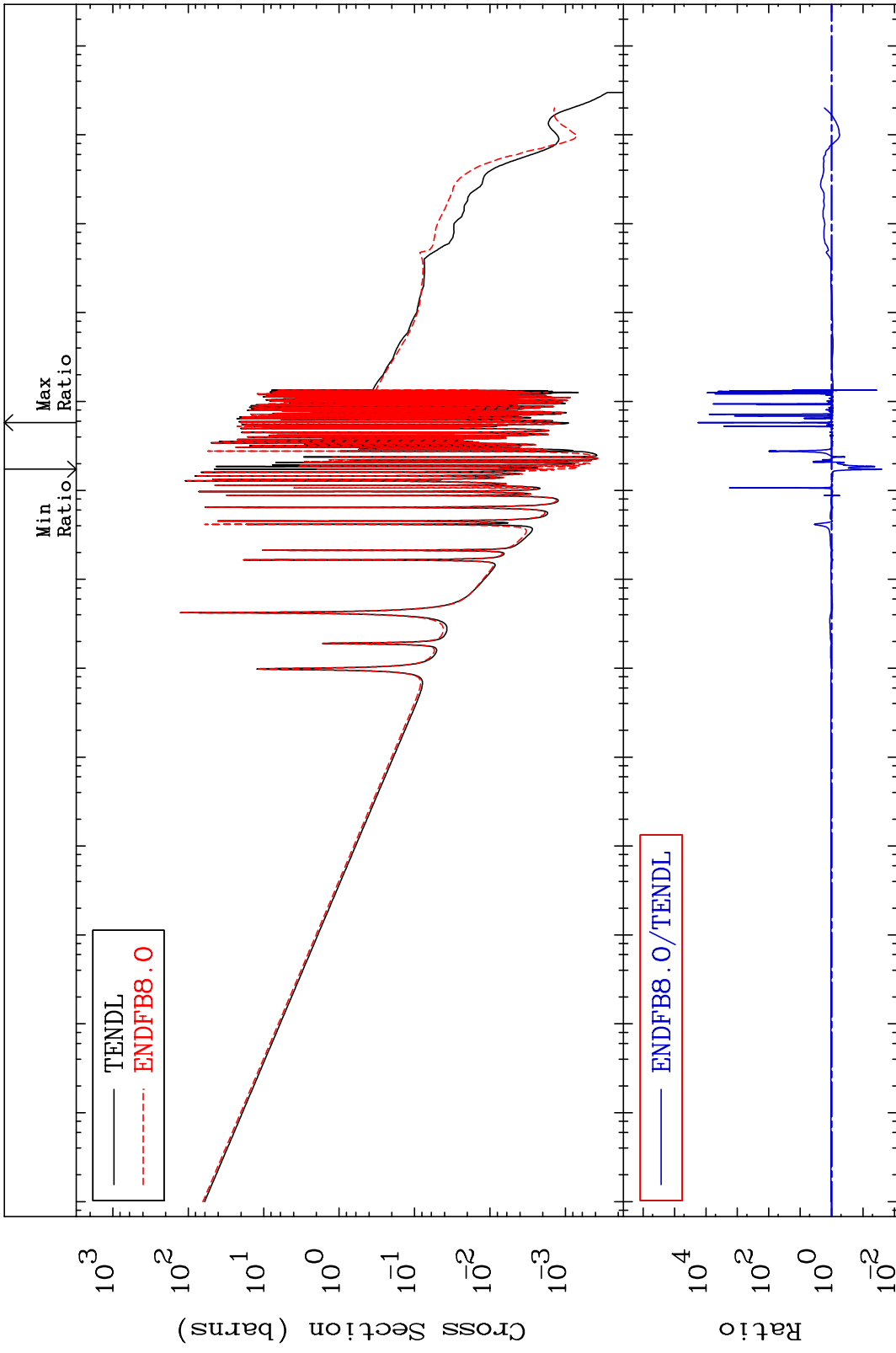
MAT 4443

(n, γ)

44-Ru-102

-97.41 To 9999. %

Cross Section



15

Incident Energy (eV)

44-Ru-102

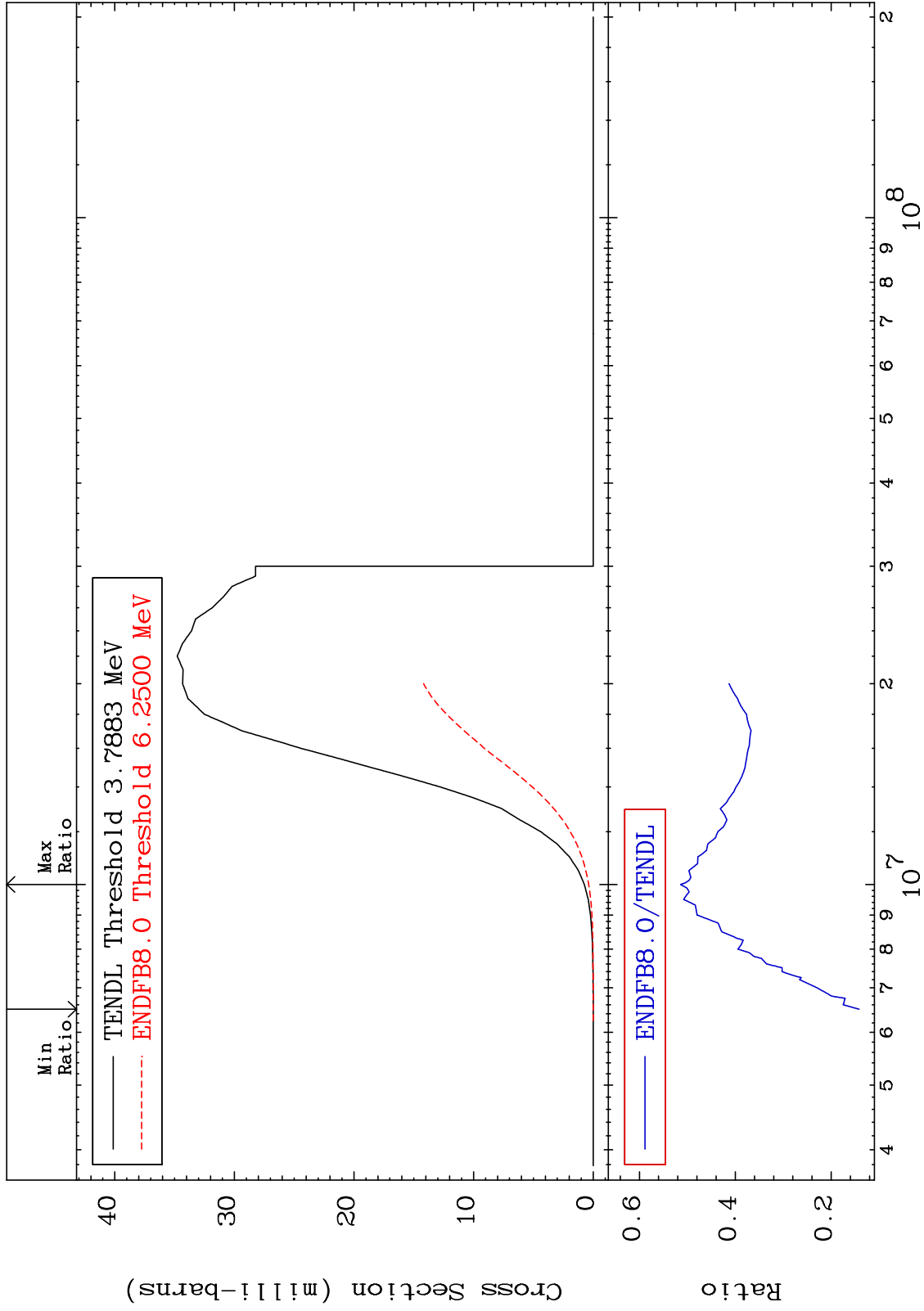
MAT 4443

(n, p)

44-Ru-102

Cross Section

-85.83 To -48.59%



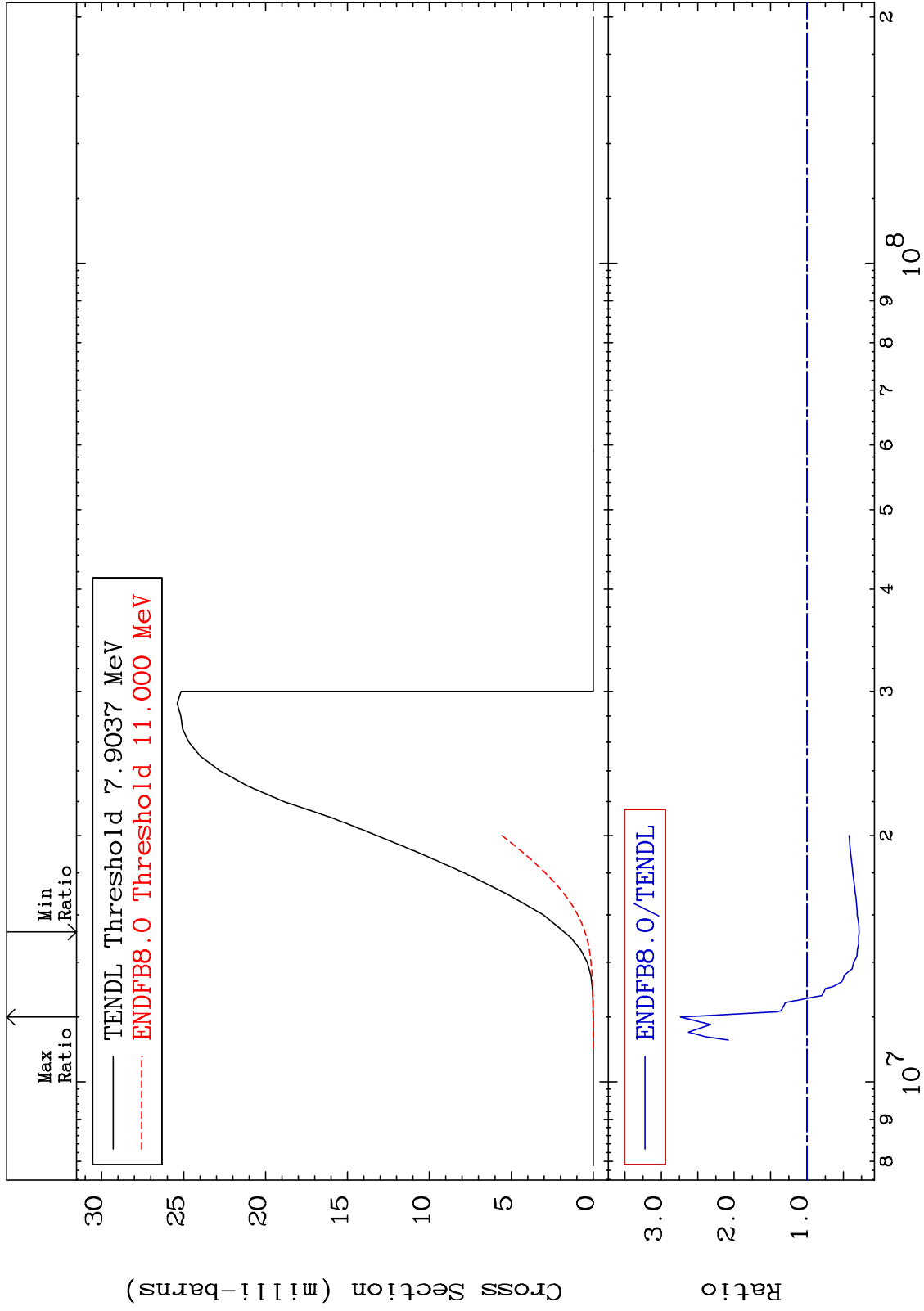
MAT 4443

(n, d)

44-Ru-102

Cross Section

-71.63 To 173.5 %



17

Incident Energy (eV)

44-Ru-102

MAT 4443

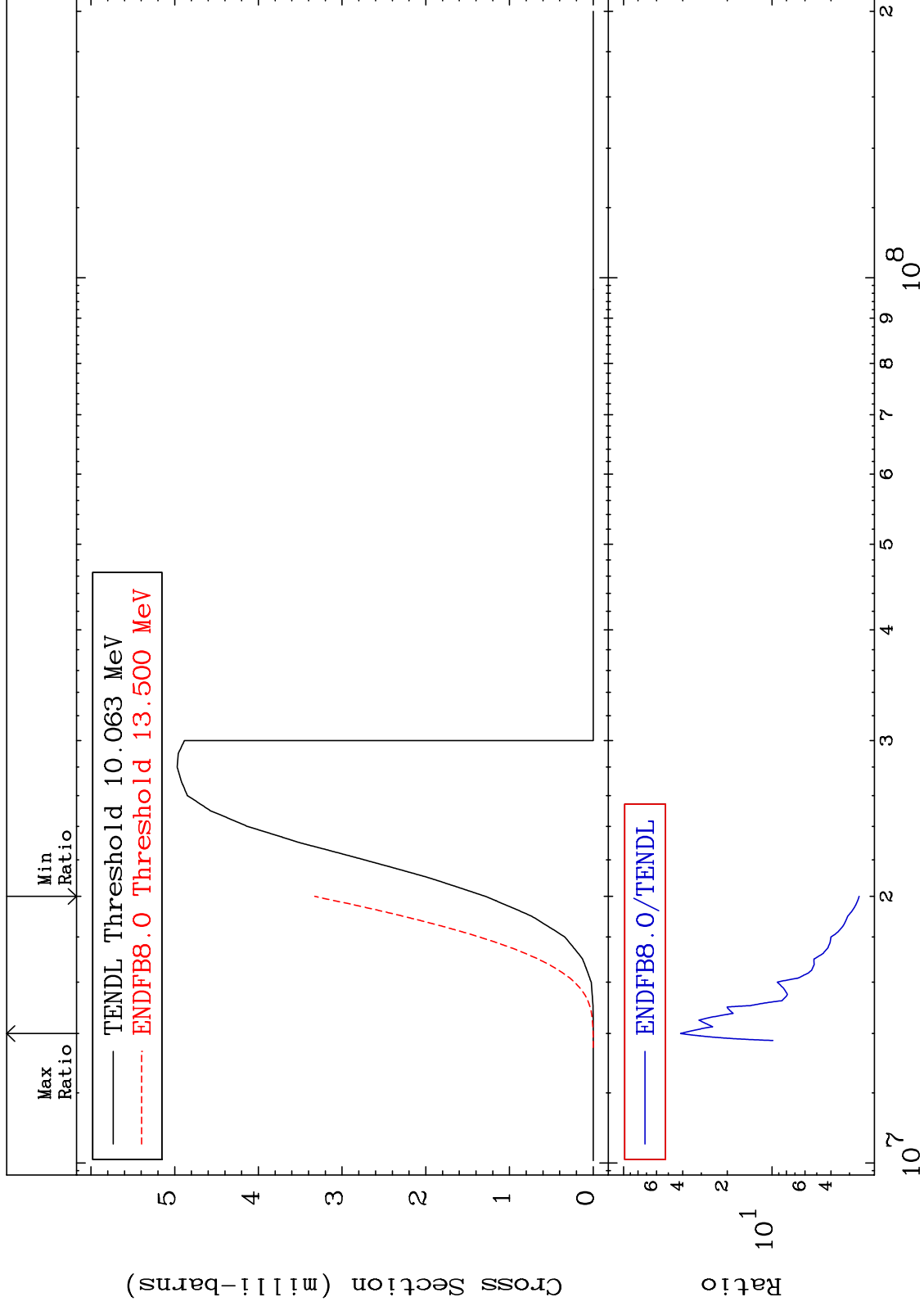
(n, t)

44-Ru-102

Cross Section

158.6

To 4029. %



Incident Energy (eV)

44-Ru-102

18

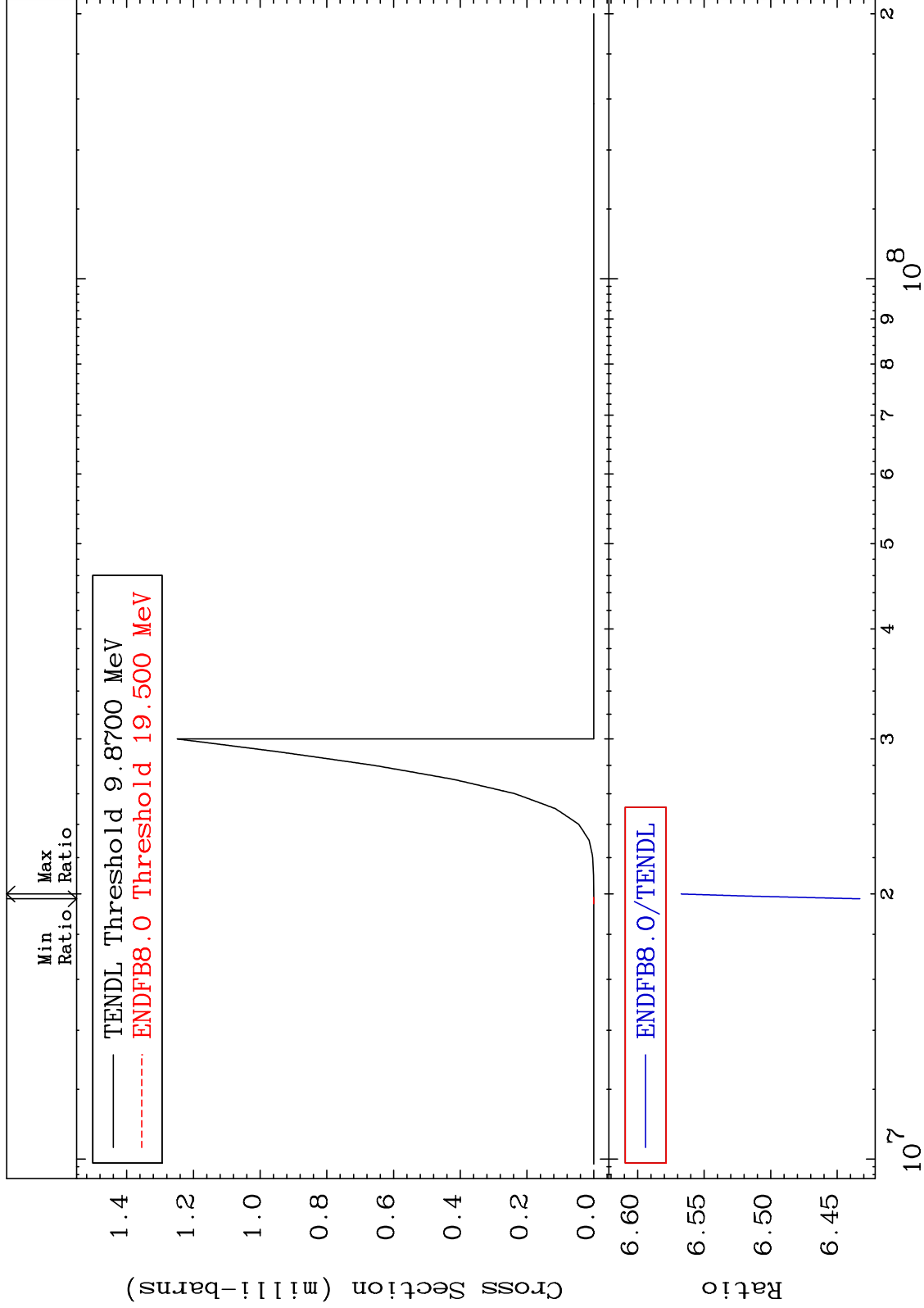
MAT 4443

(n, He-3)

44-Ru-102

Cross Section

543.3 To 556.7 %



Incident Energy (eV)

44-Ru-102

19

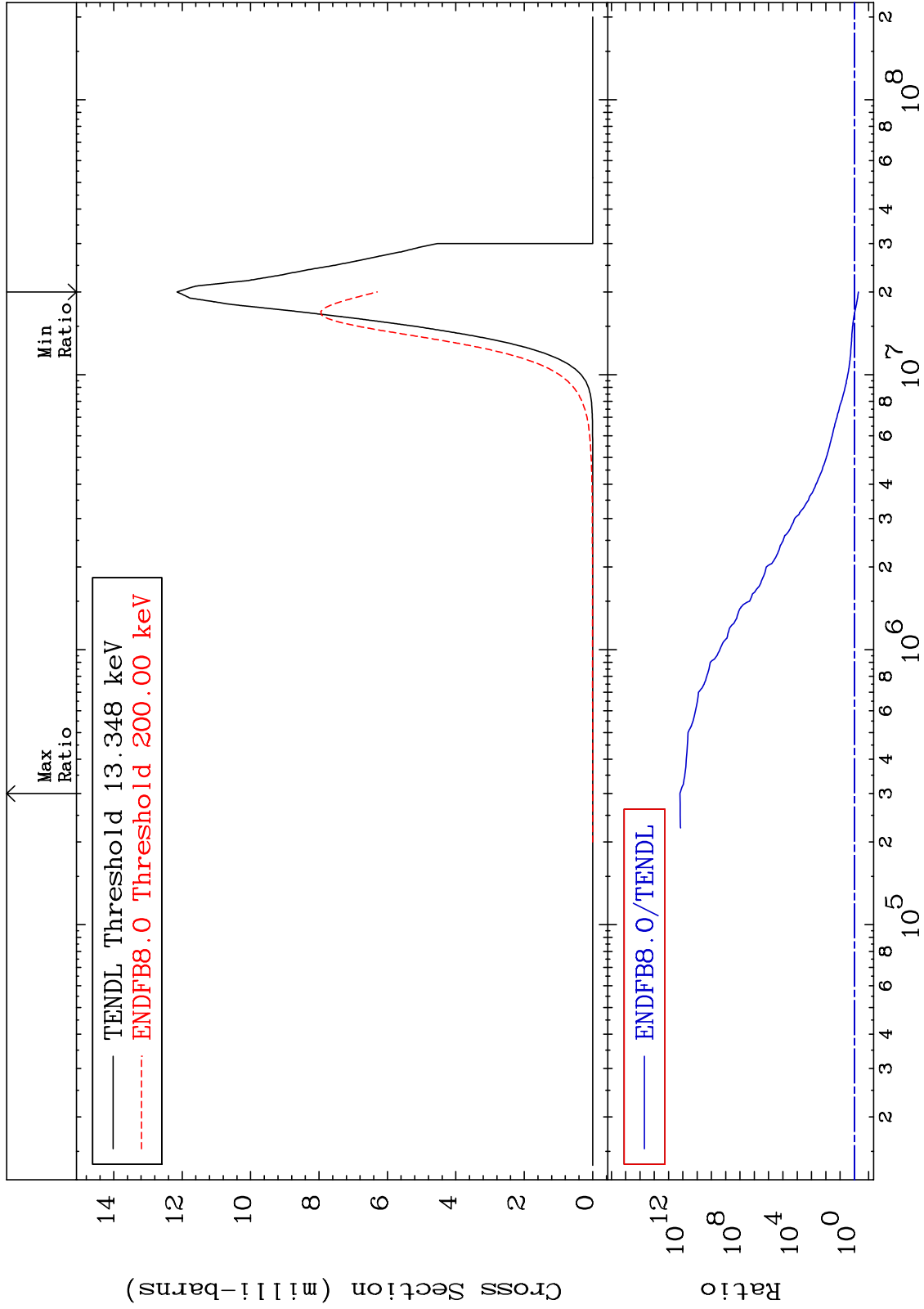
MAT 4443

(n, α)

44-Ru-102

Cross Section

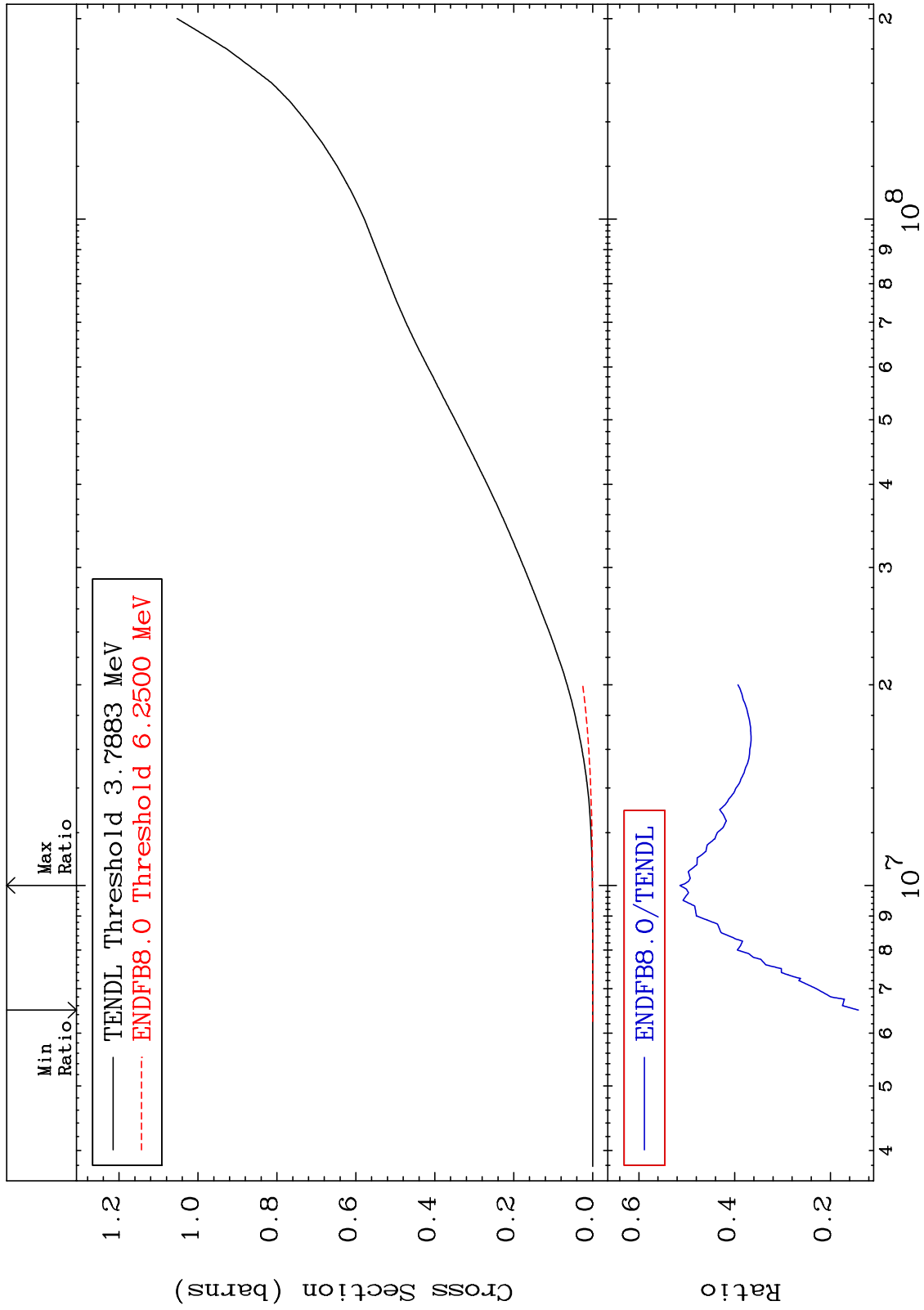
-48.15 To 9999. %



MAT 4443

Hydrogen Production
Cross Section

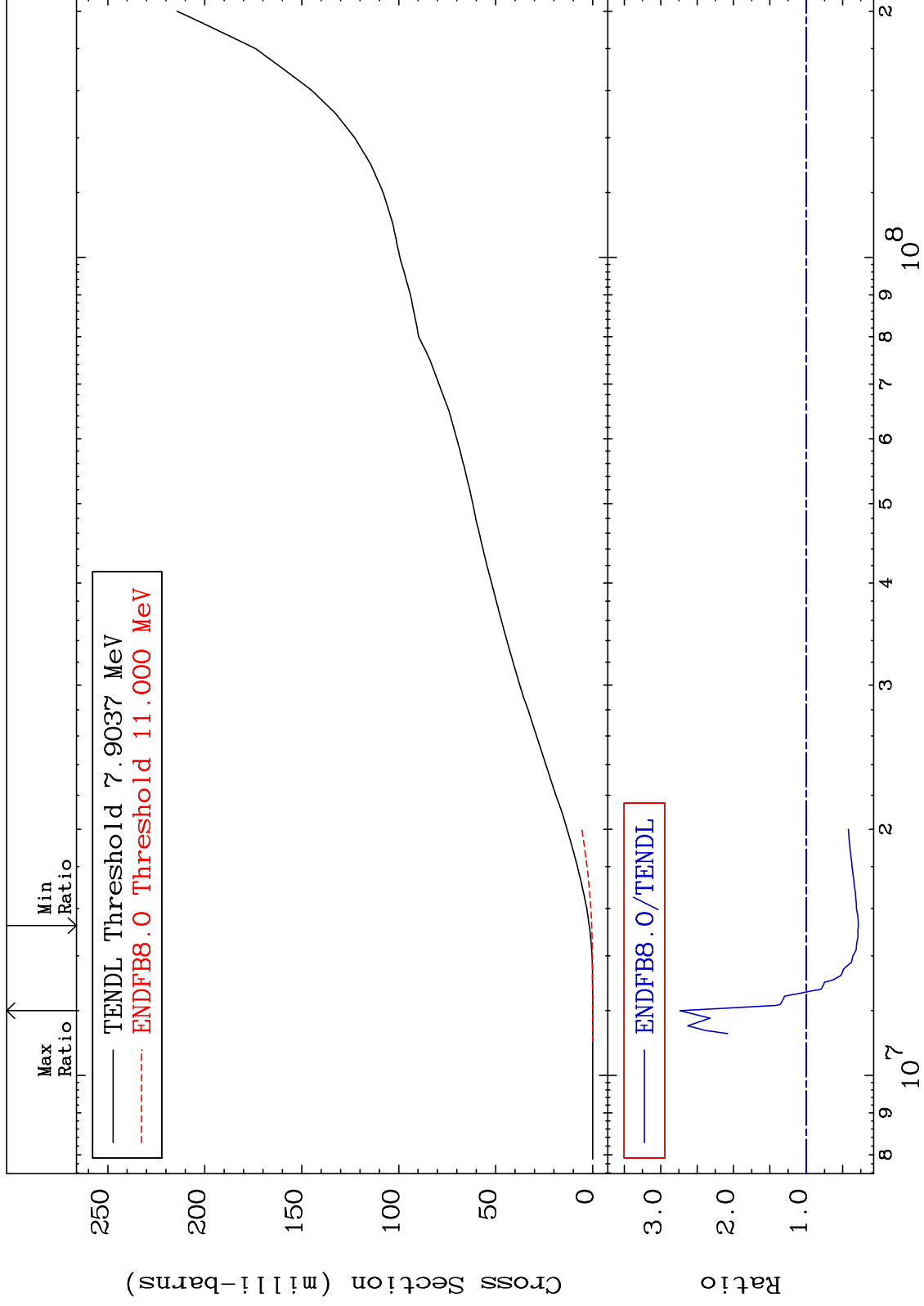
44-Ru-102
-85.83 To -48.59%



MAT 4443

Deuterium Production
Cross Section

44-Ru-102
-71.63 To 173.5 %



22

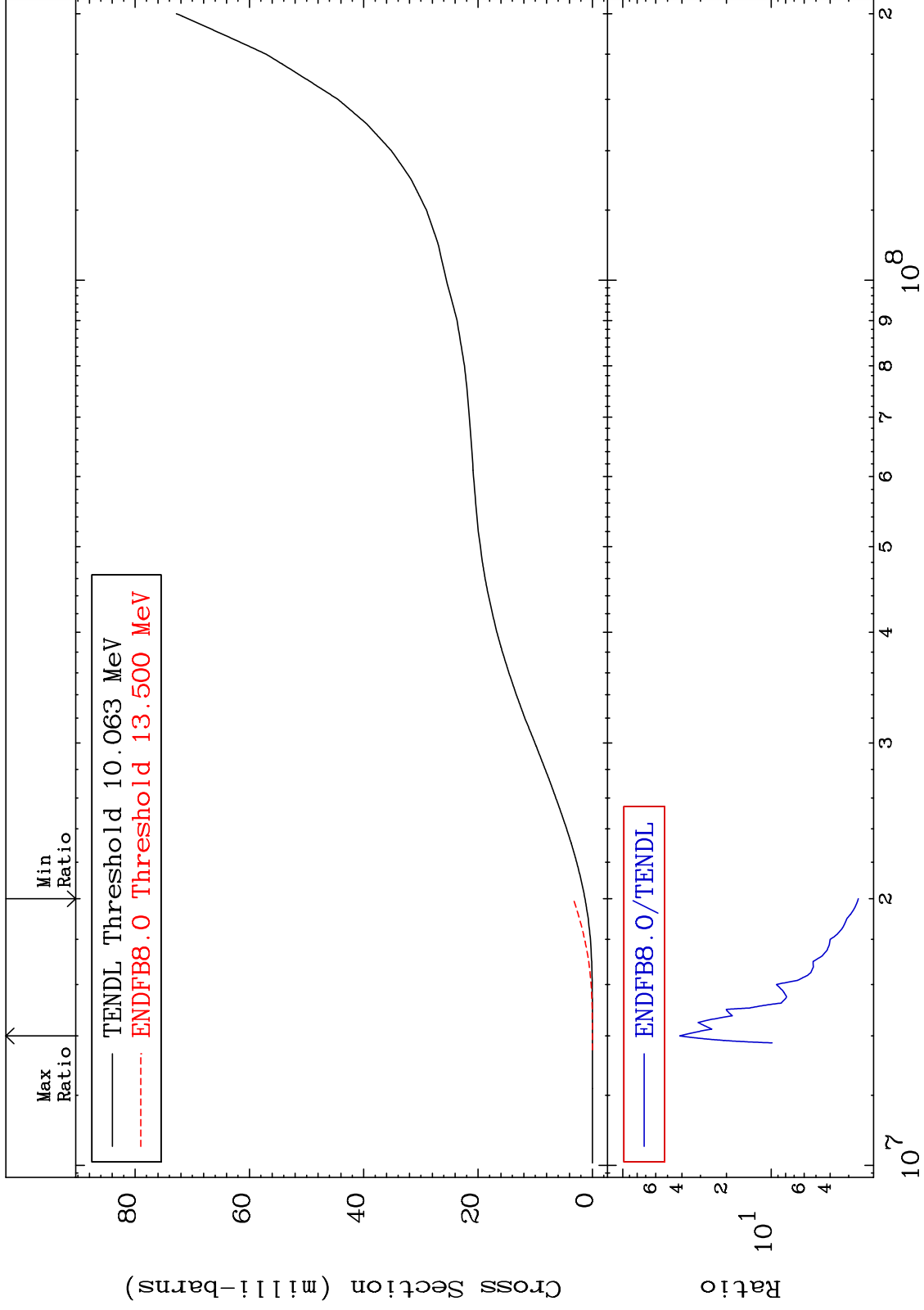
Incident Energy (eV)

44-Ru-102

MAT 4443

Tritium Production
Cross Section

44-Ru-102
158.6 To 4029. %



Incident Energy (eV)

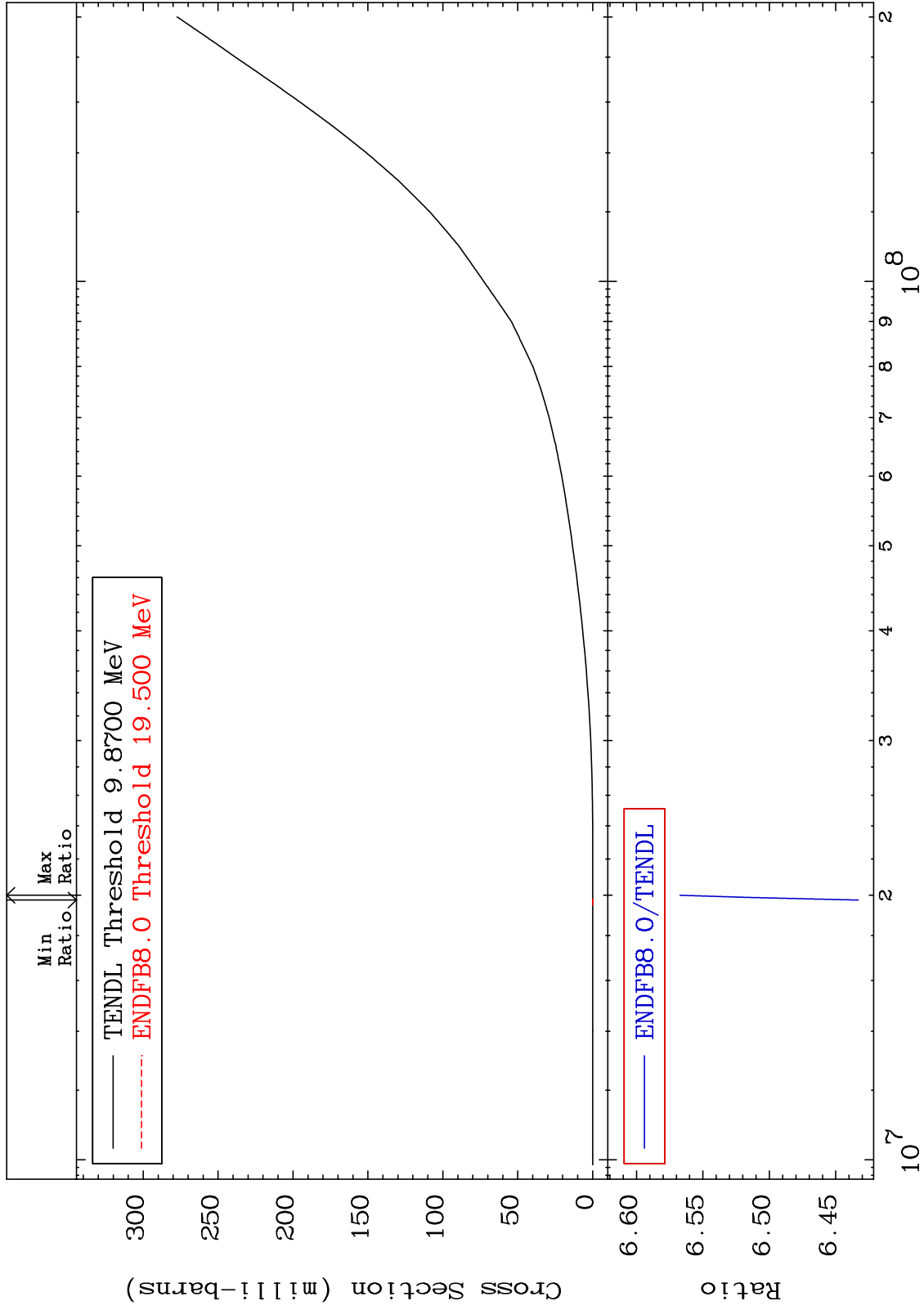
44-Ru-102

23

MAT 4443

He-3 Production
Cross Section

44-Ru-102
543.3 To 556.7 %



44-Ru-102

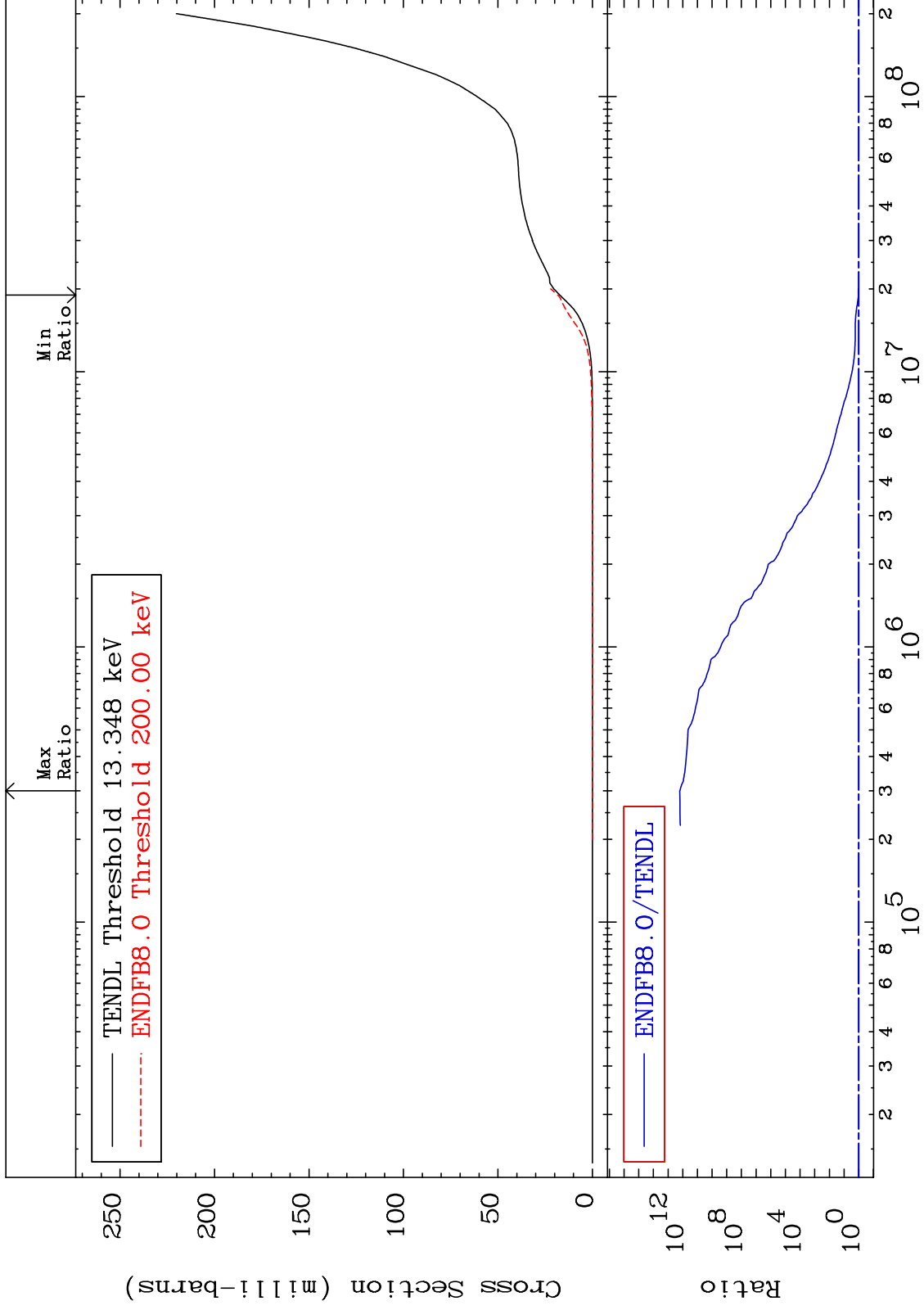
Incident Energy (eV)

24

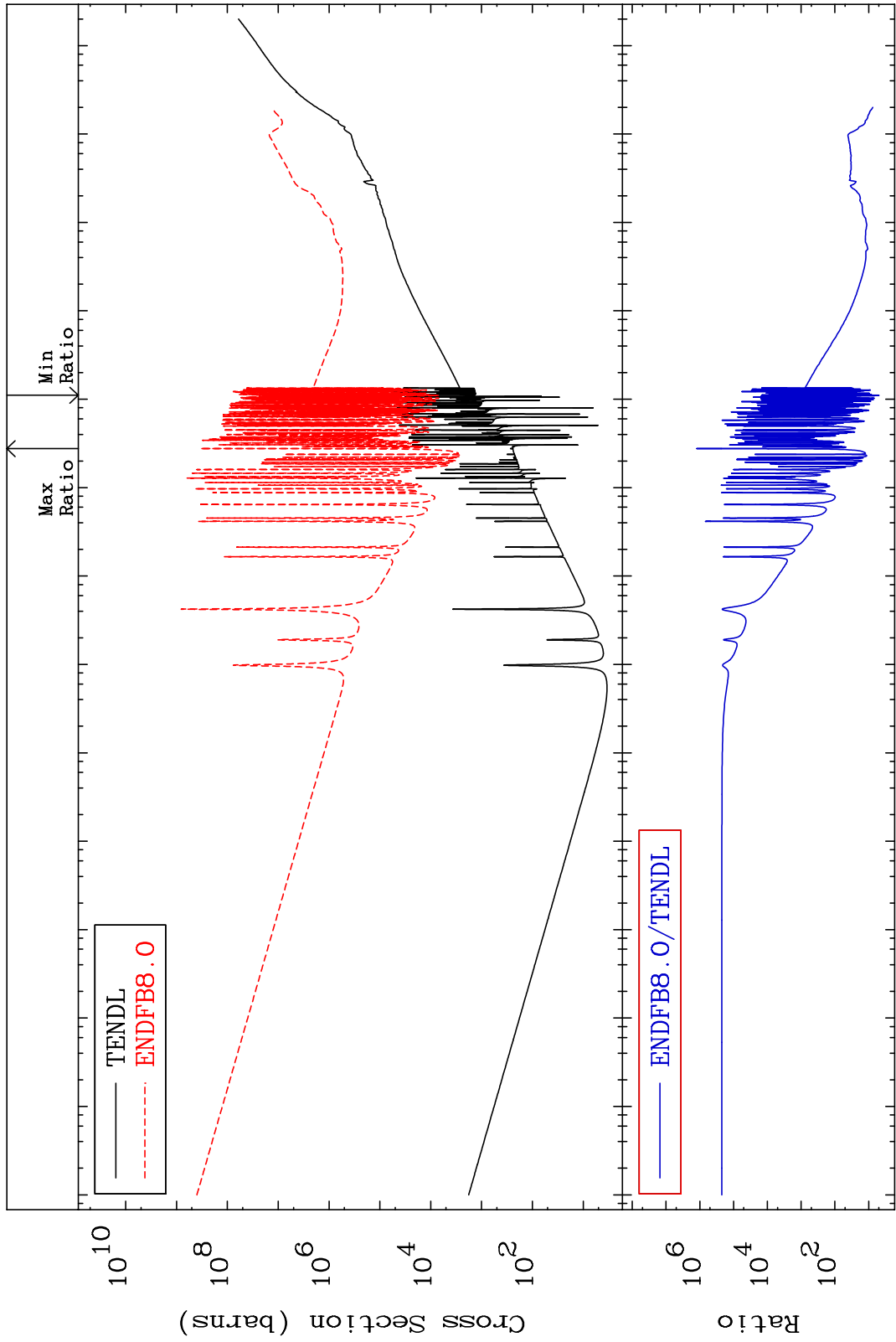
MAT 4443

He-4 Production
Cross Section

44-Ru-102
6.023 To 9999. %



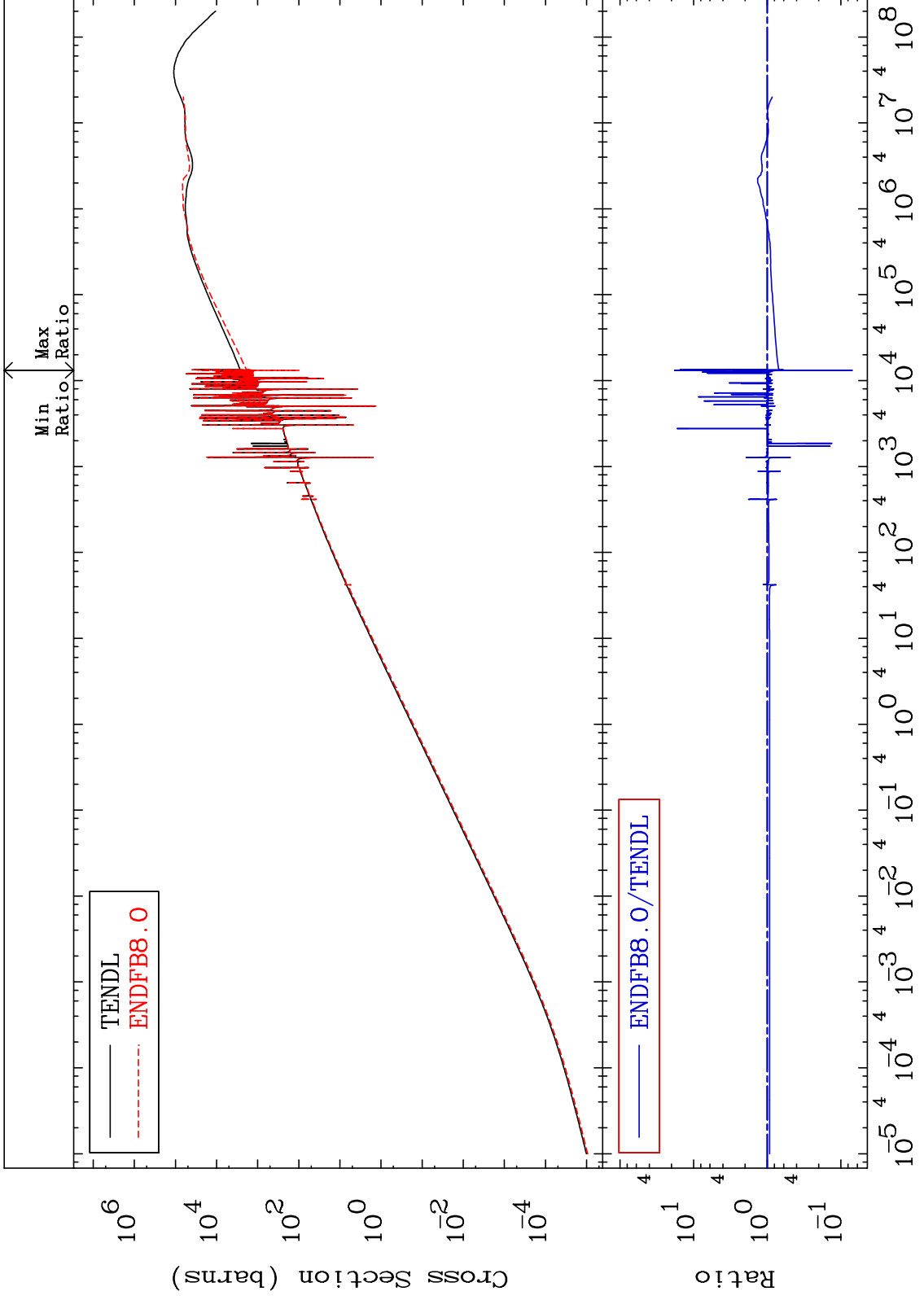
MAT 4443 Kerma total (eV-barns) 44-Ru-102 392.2 To 9999. %
 Cross Section



MAT 4443

Kerma elastic
Cross Section

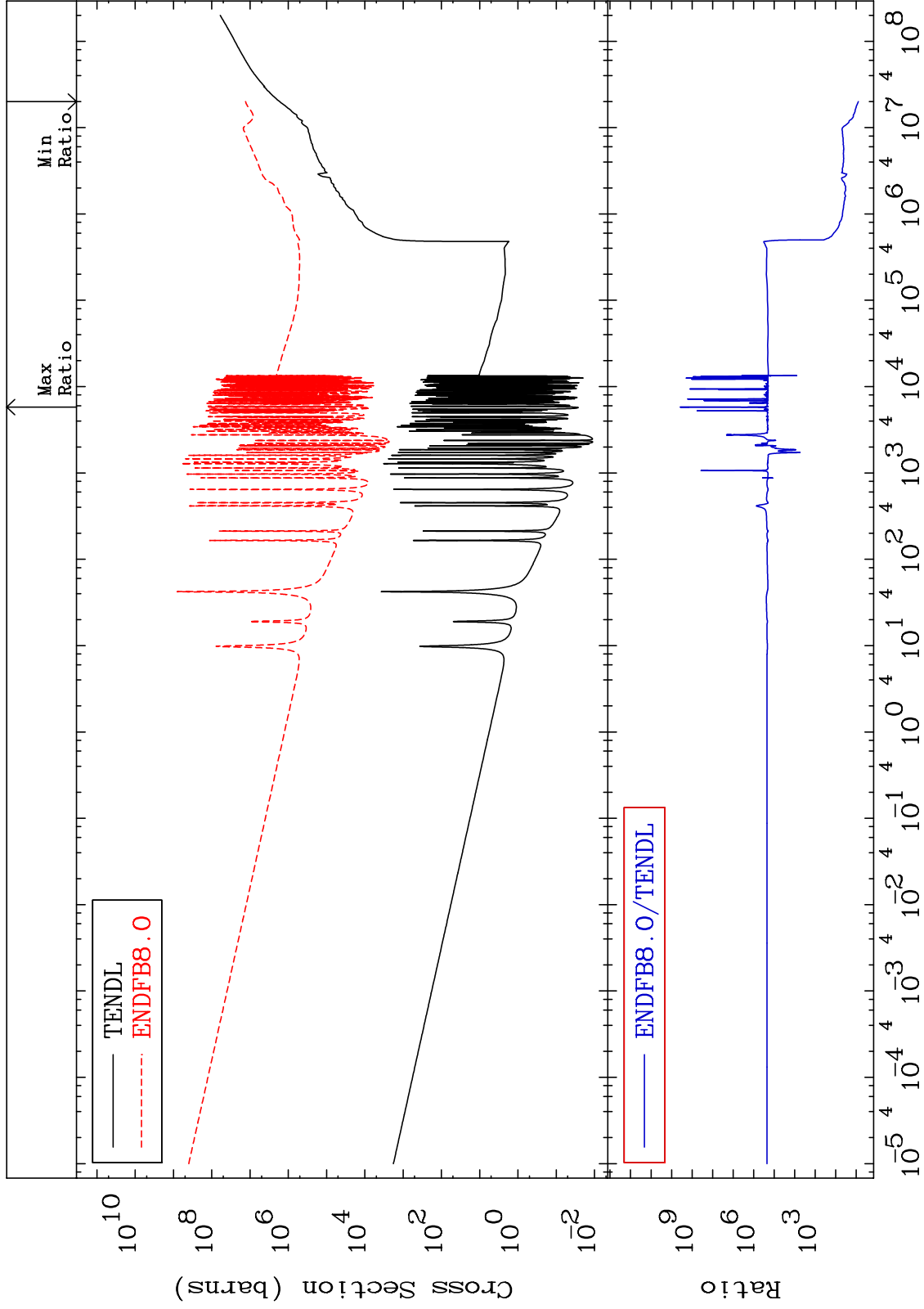
44-Ru-102
-92.96 To 1716. %



MAT 4443

Kerma non-elastic (all but mt2)
Cross Section

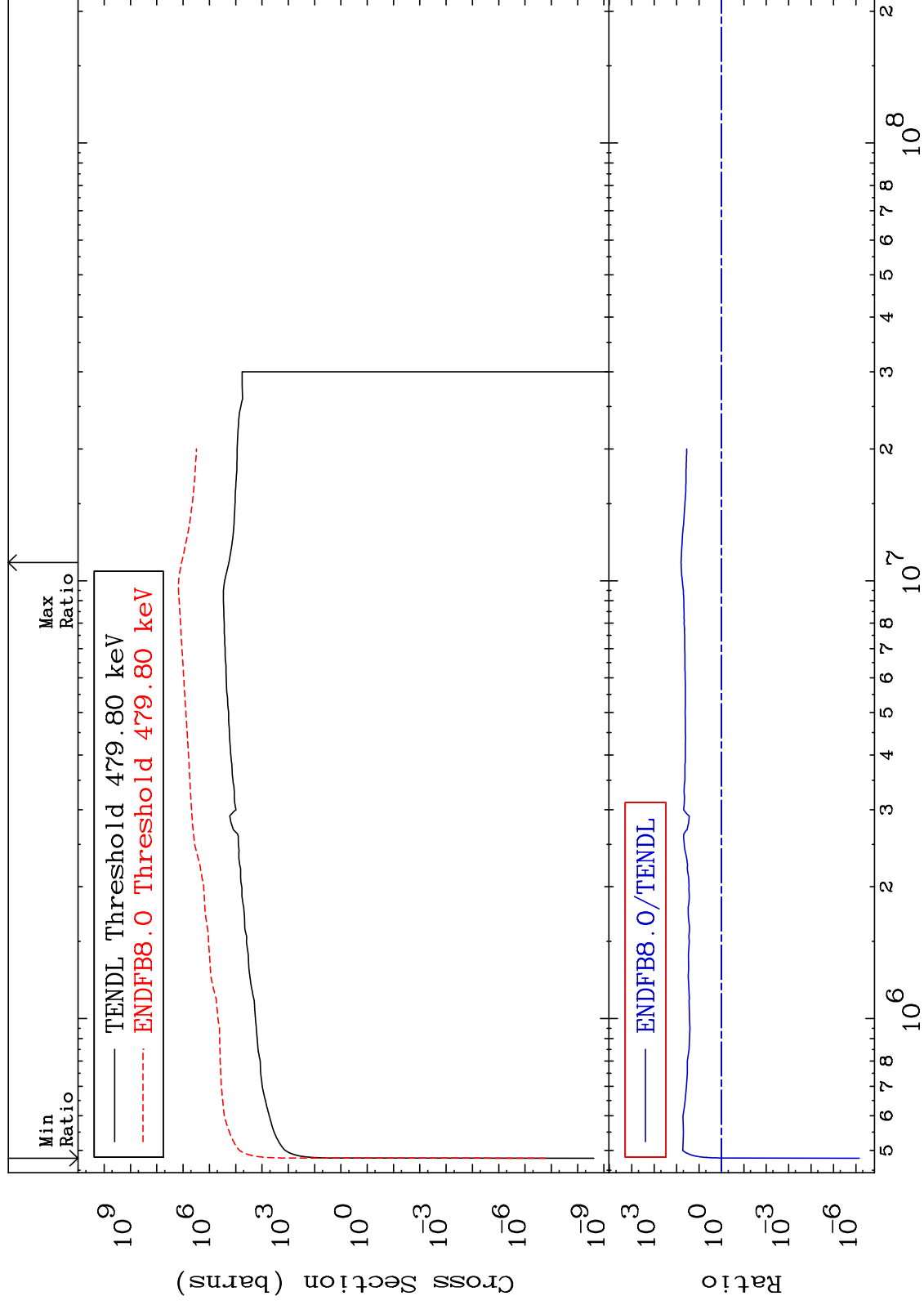
44-Ru-102
683.2 To 9999. %



MAT 4443

Kerma inelastic (mt51-91)
Cross Section

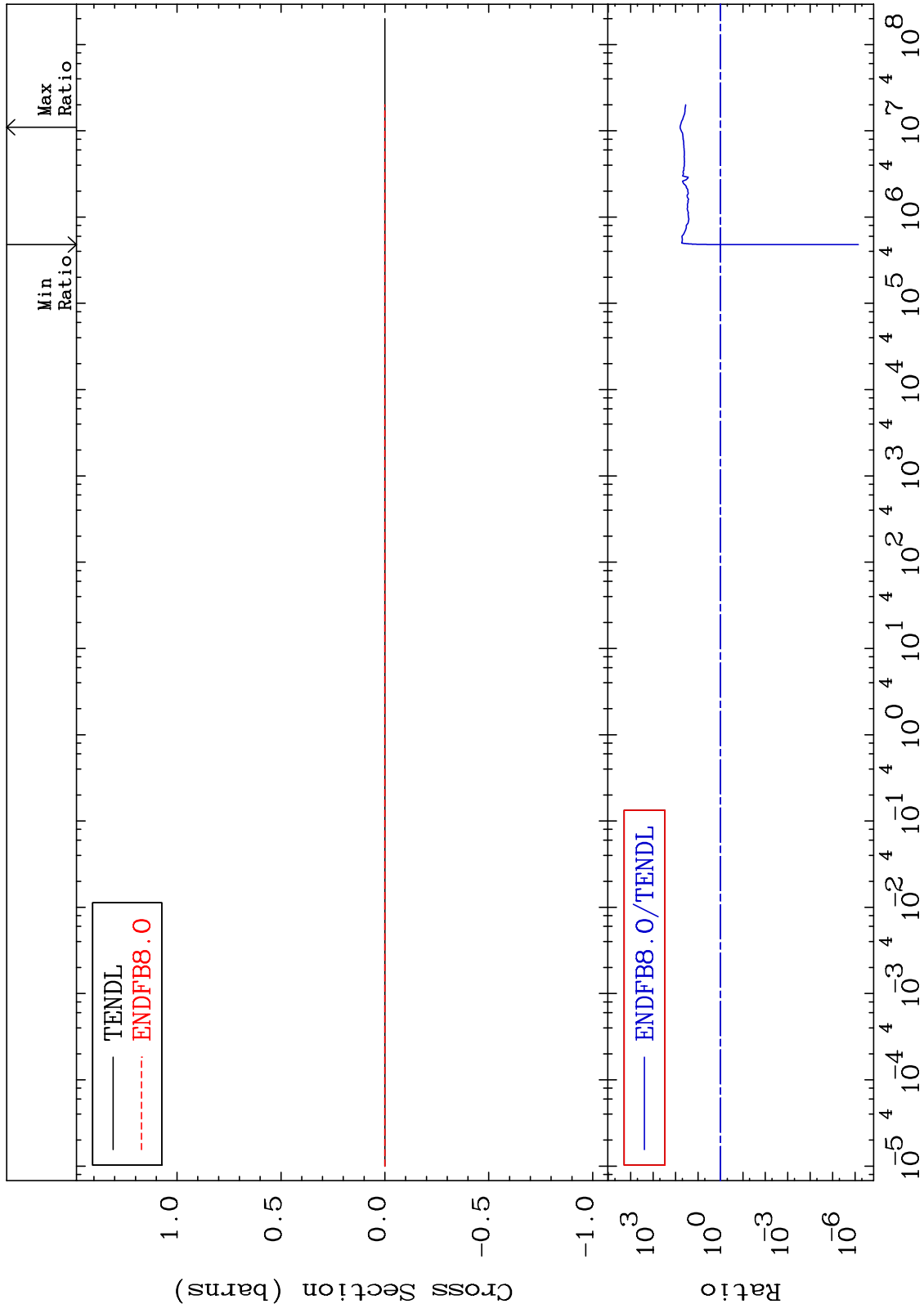
44-Ru-102
-100.0 To 6229. %



MAT 4443

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

44-Ru-102
-100.0 To 6229. %



30

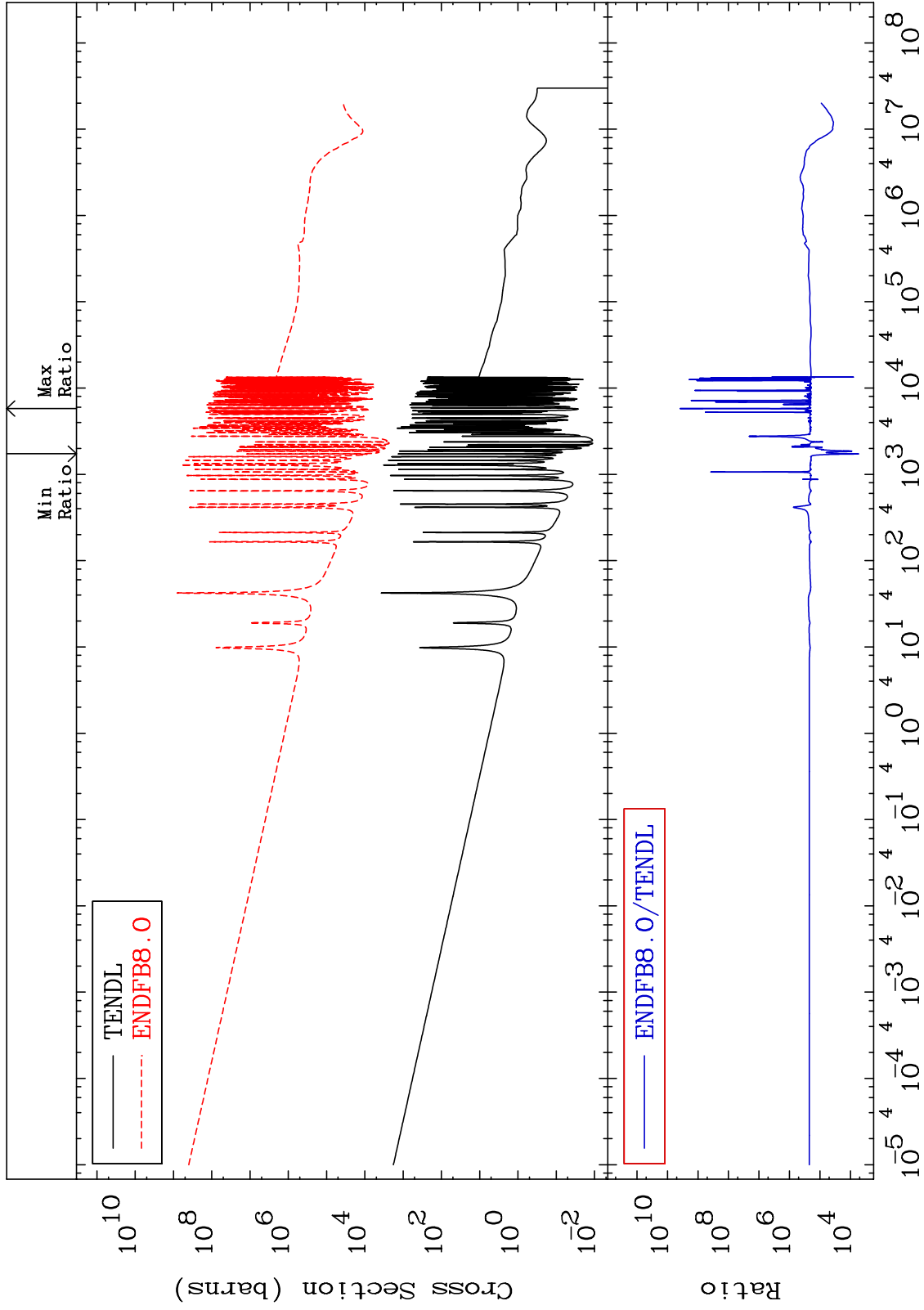
Incident Energy (eV)

44-Ru-102

MAT 4443

Kerma capture (mt102)
Cross Section

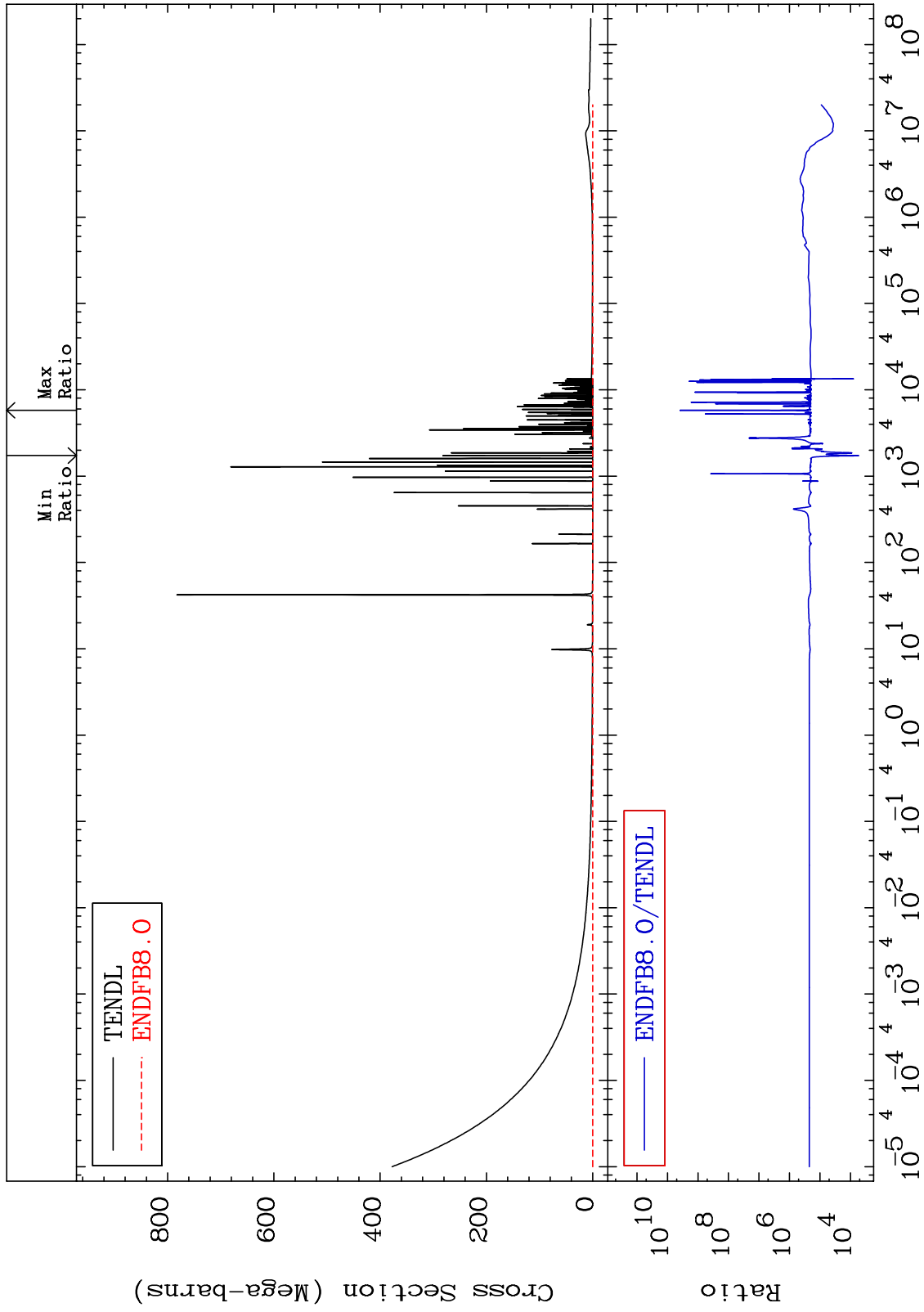
44-Ru-102
9999. To 9999. %



MAT 4443

Total photon (eV-barns)
Cross Section

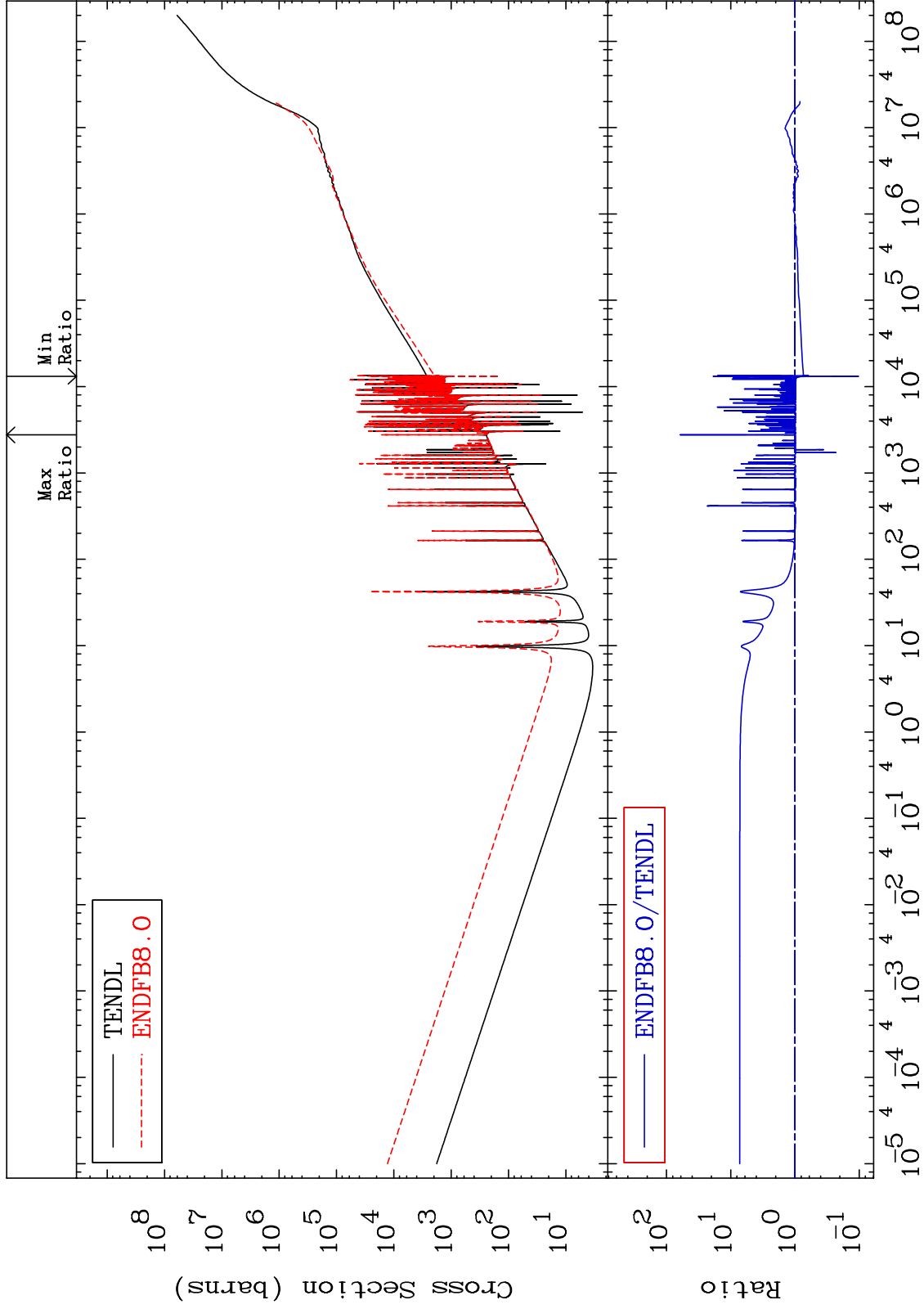
44-Ru-102
9999. To 9999. %



MAT 4443

Total kinematic kerma (high limit)
Cross Section

44-Ru-102
-89.71 To 6065. %



33

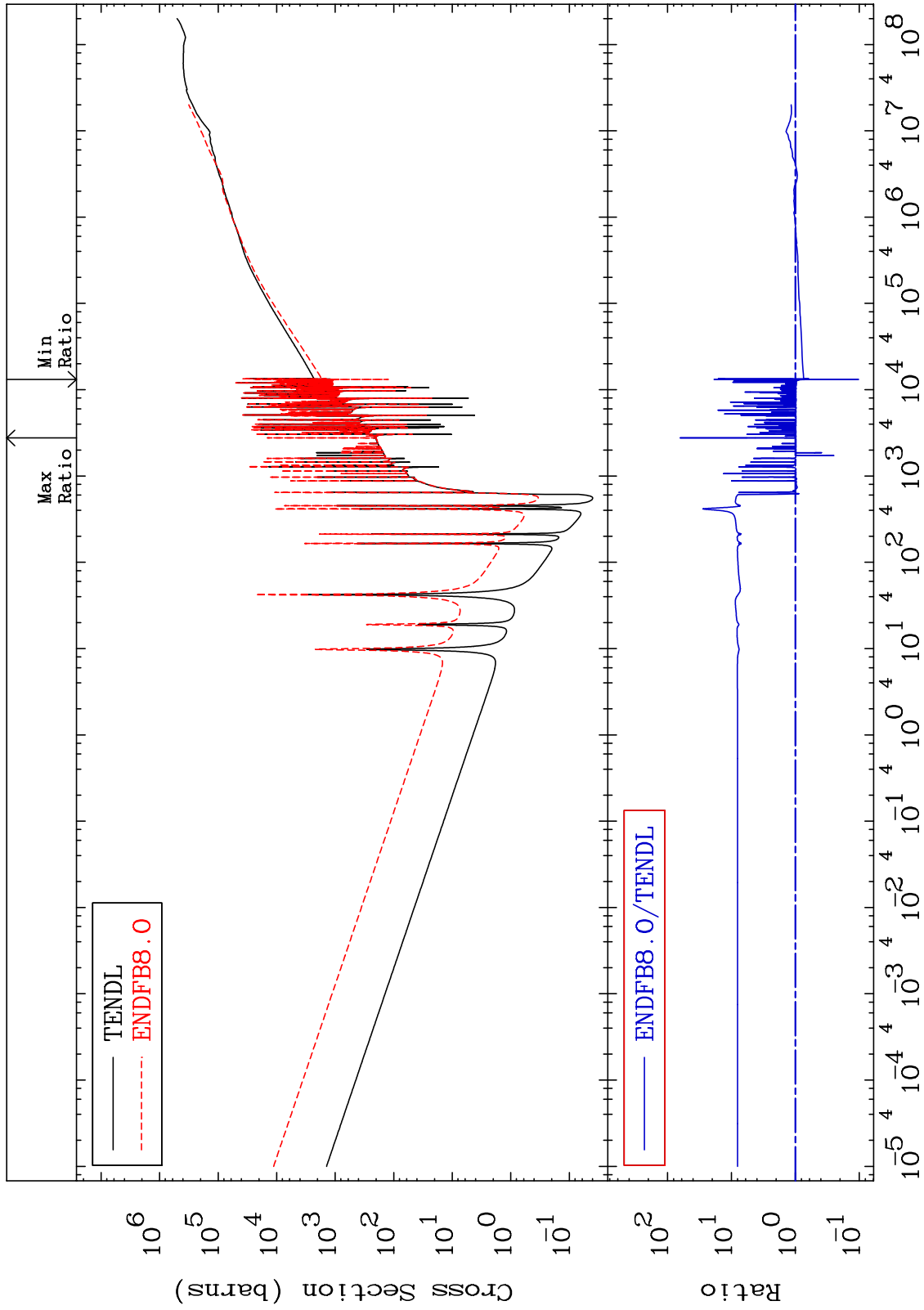
Incident Energy (eV)

44-Ru-102

MAT 4443

Dpa total (eV-barns)
Cross Section

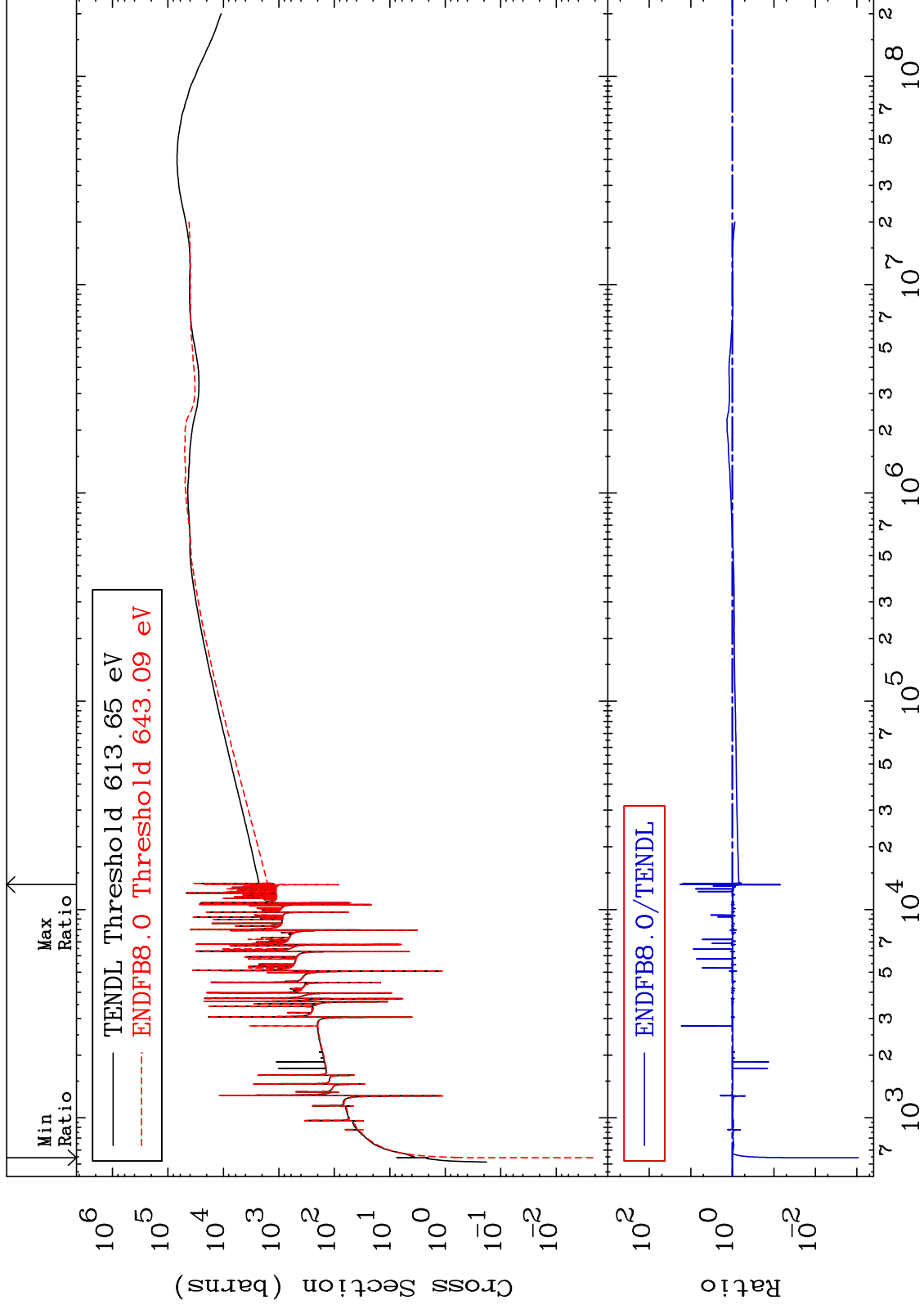
44-Ru-102
-89.70 To 6277. %



MAT 4443

Dpa elastic (mt2)
Cross Section

44-Ru-102
-99.91 To 1717. %



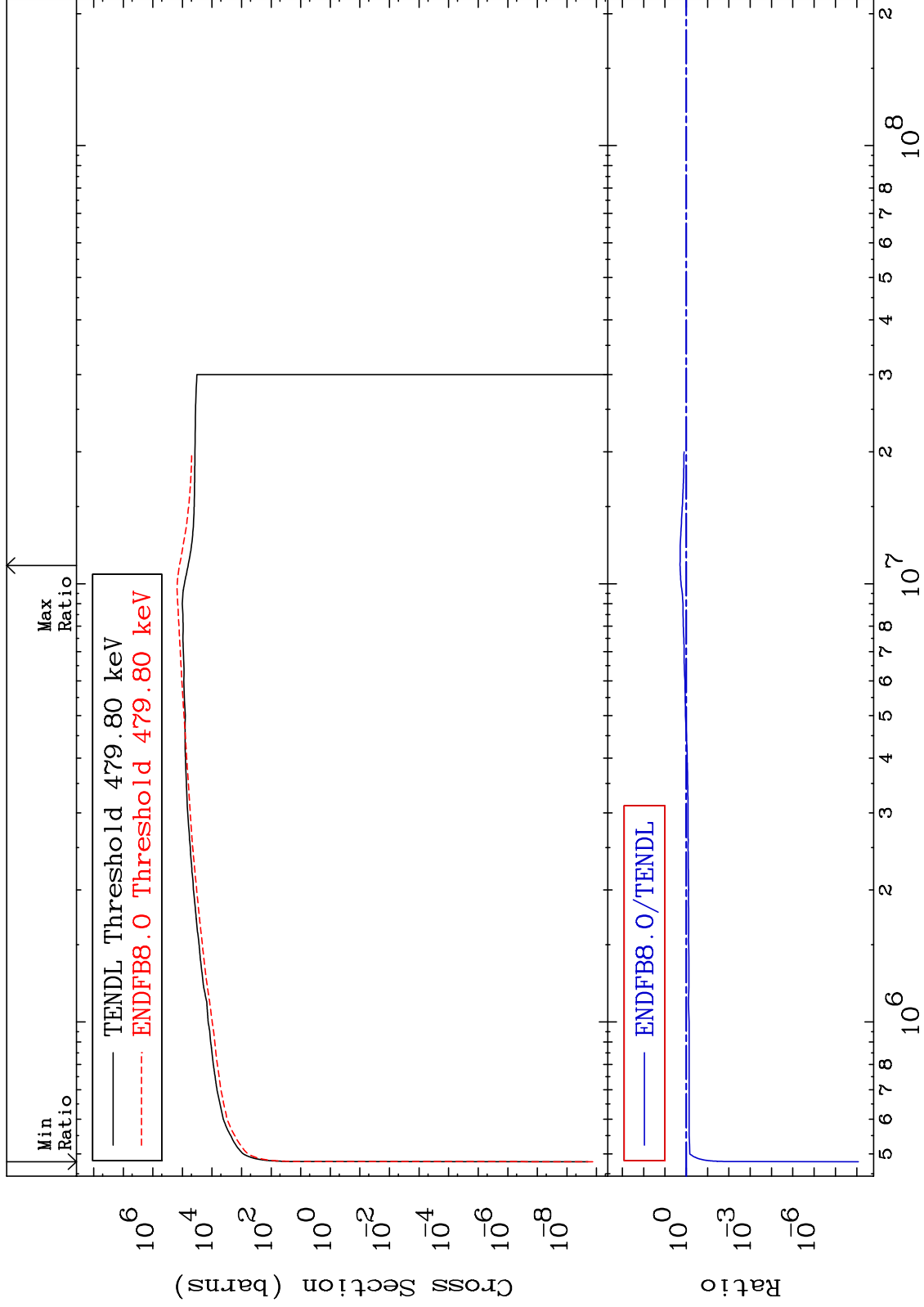
35

44-Ru-102

MAT 4443

Dpa inelastic (mt51-91)
Cross Section

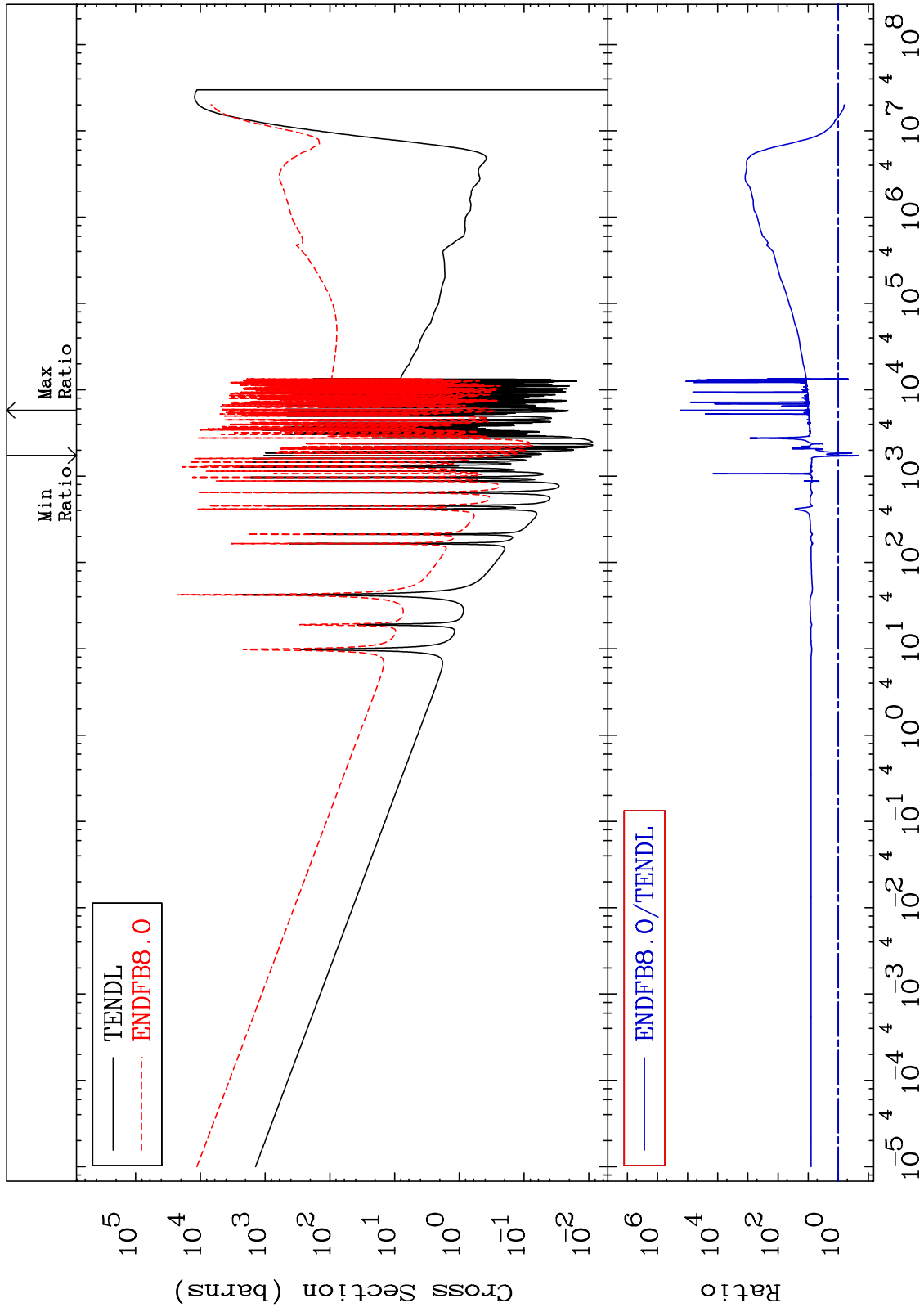
44-Ru-102
-100.0 To 96.95 %



MAT 4443

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-102
-78.55 To 9999. %



37

Incident Energy (eV)

44-Ru-102