

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

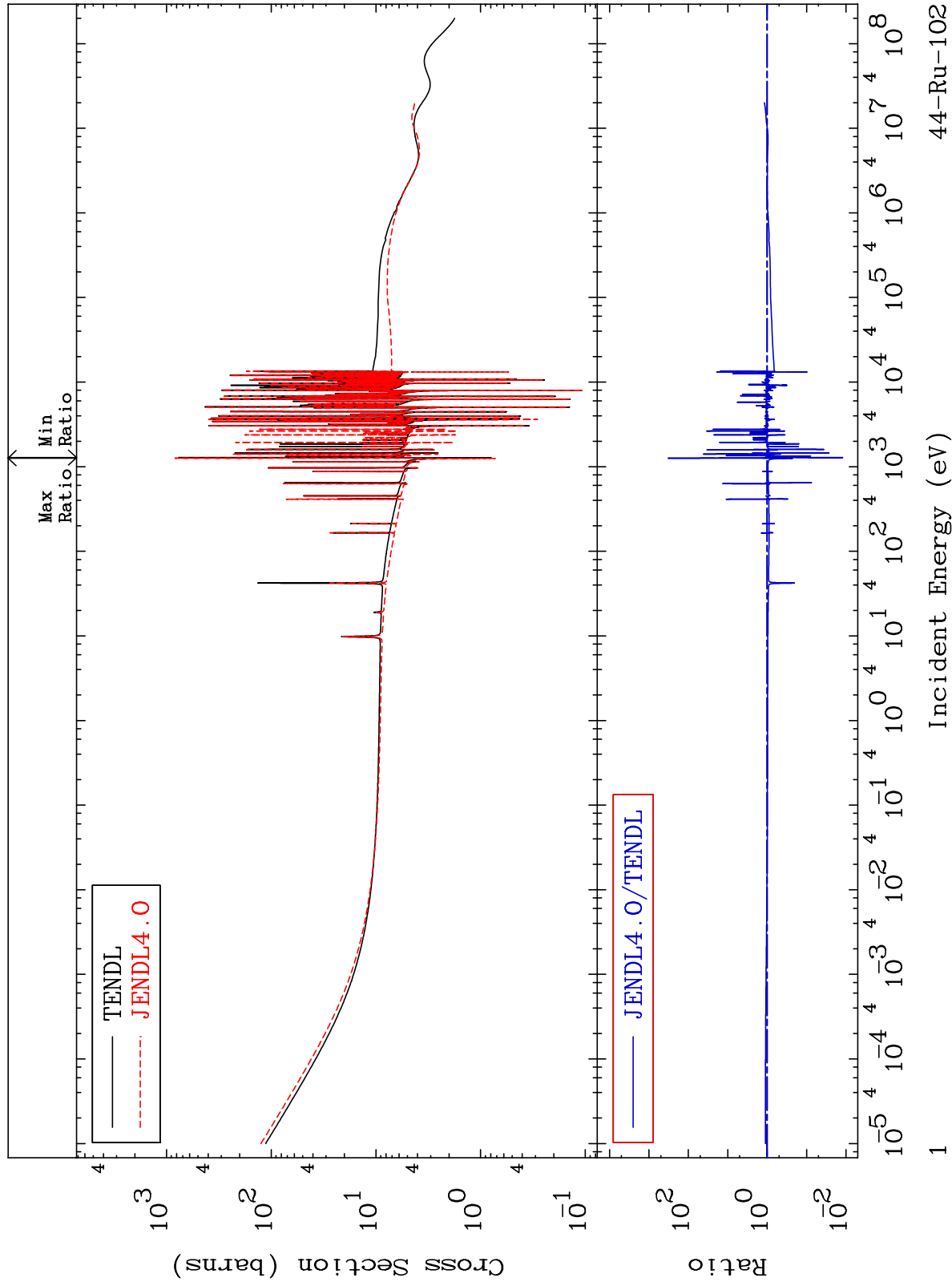
MAT 4443

Total

44-Ru-102

Cross Section

-98.80 To 9999. %



Incident Energy (eV)

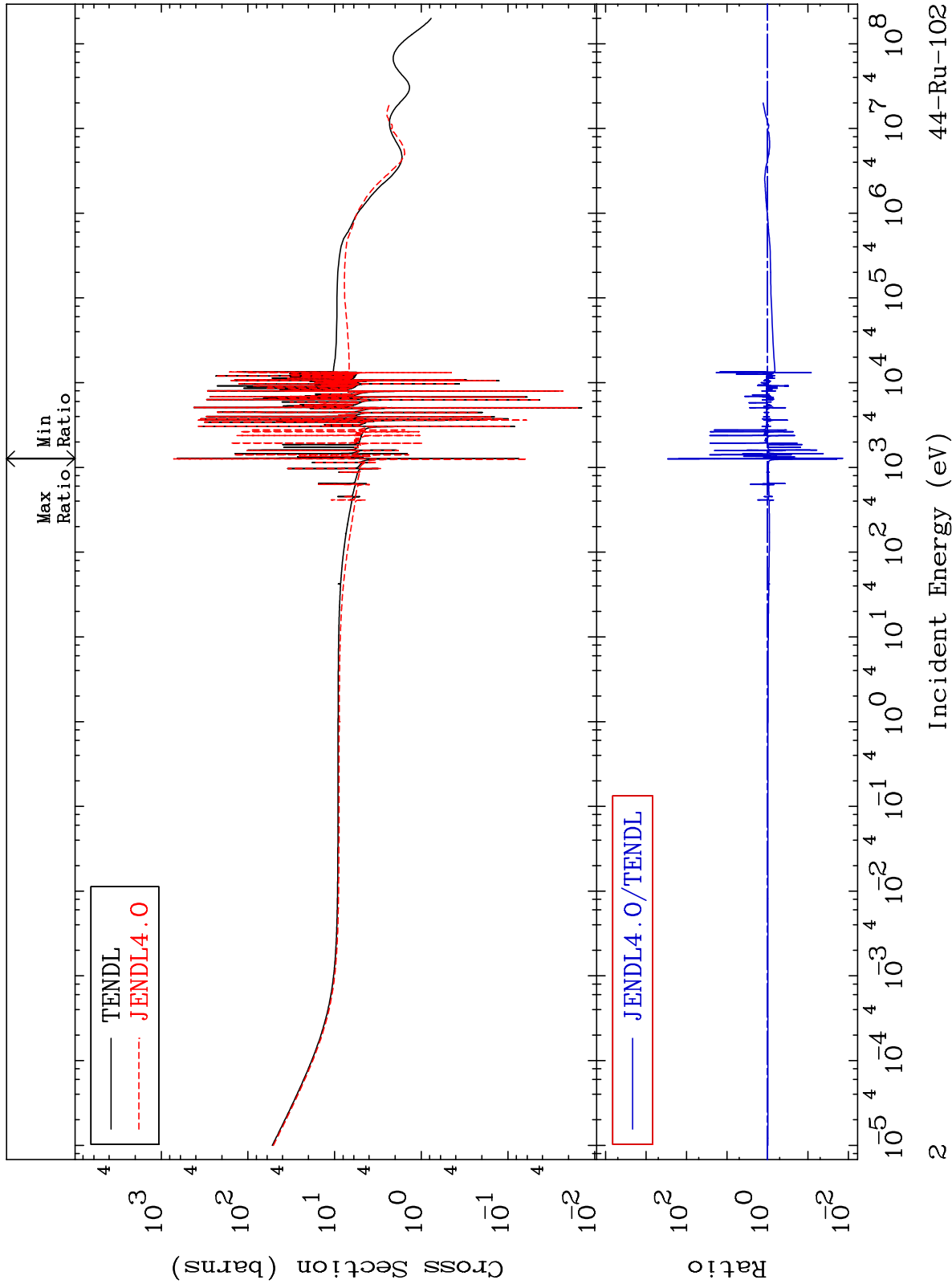
44-Ru-102

1

MAT 4443

Elastic
Cross Section

44-Ru-102
-98.61 To 9999. %

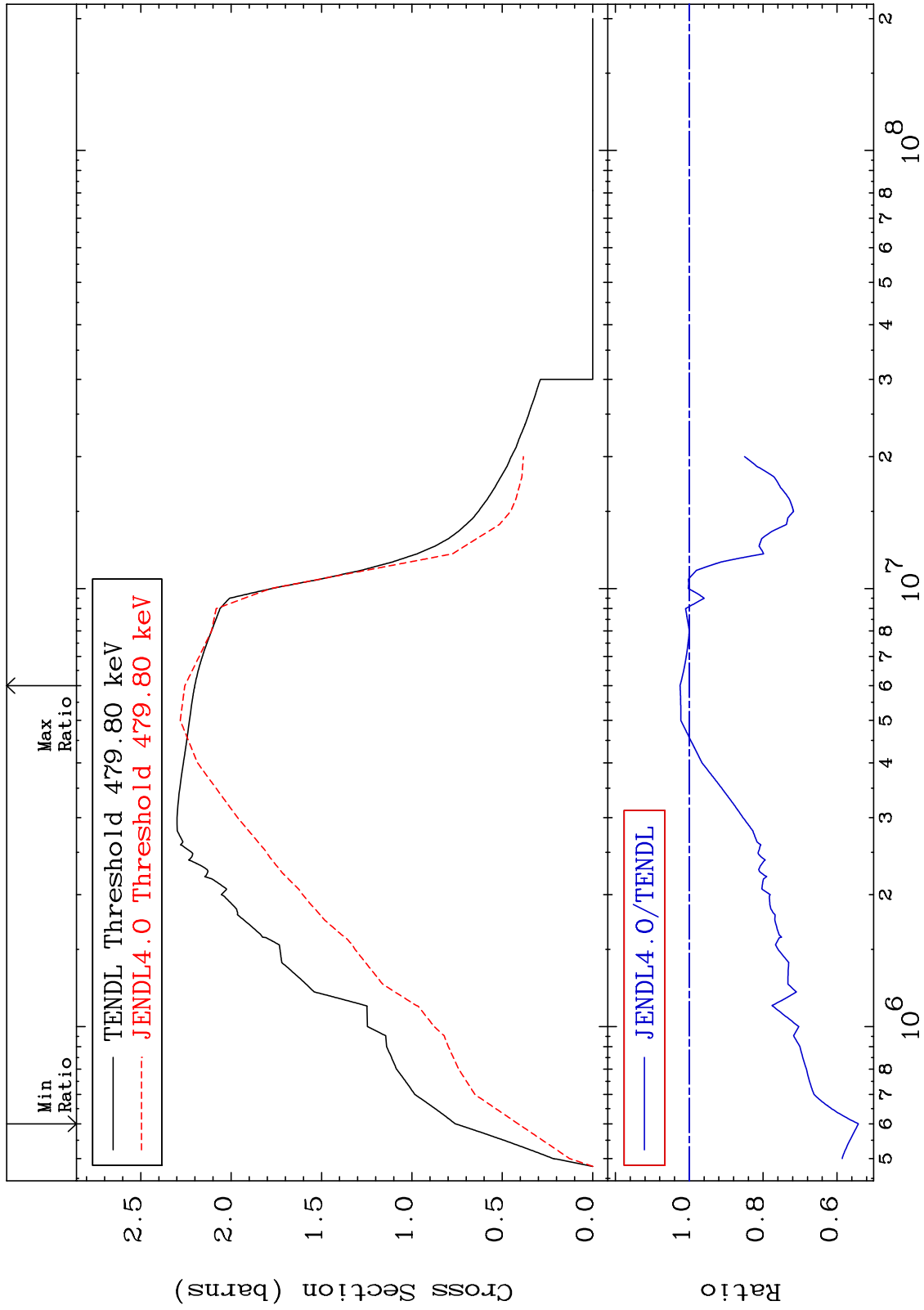


44-Ru-102

Incident Energy (eV)

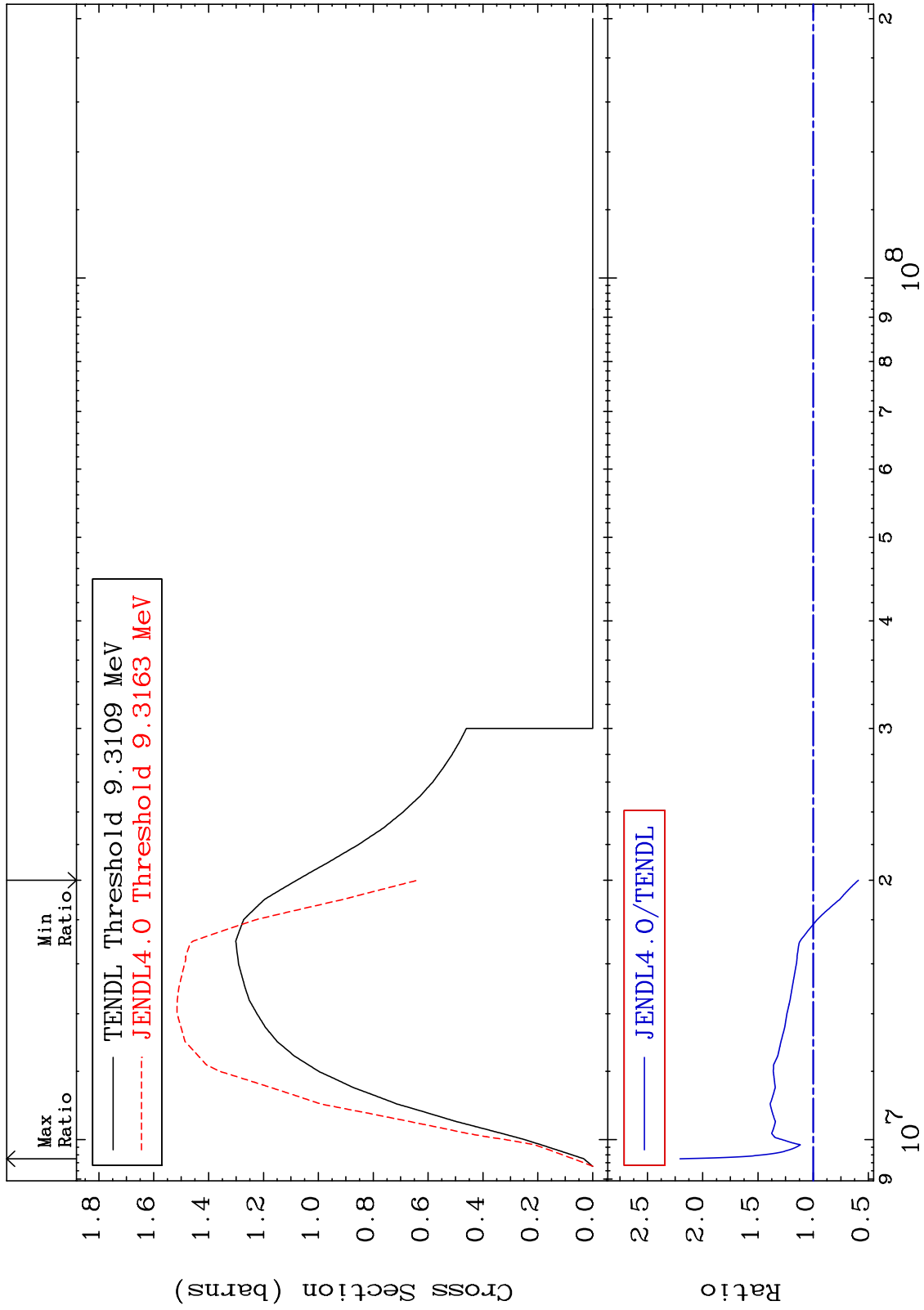
2

MAT 4443 Inelastic Cross Section 44-Ru-102 -45.79 To 2.507 %



3 44-Ru-102

MAT 4443 (n,2n) Cross Section 44-Ru-102 -40.92 To 120.6 %



44-Ru-102

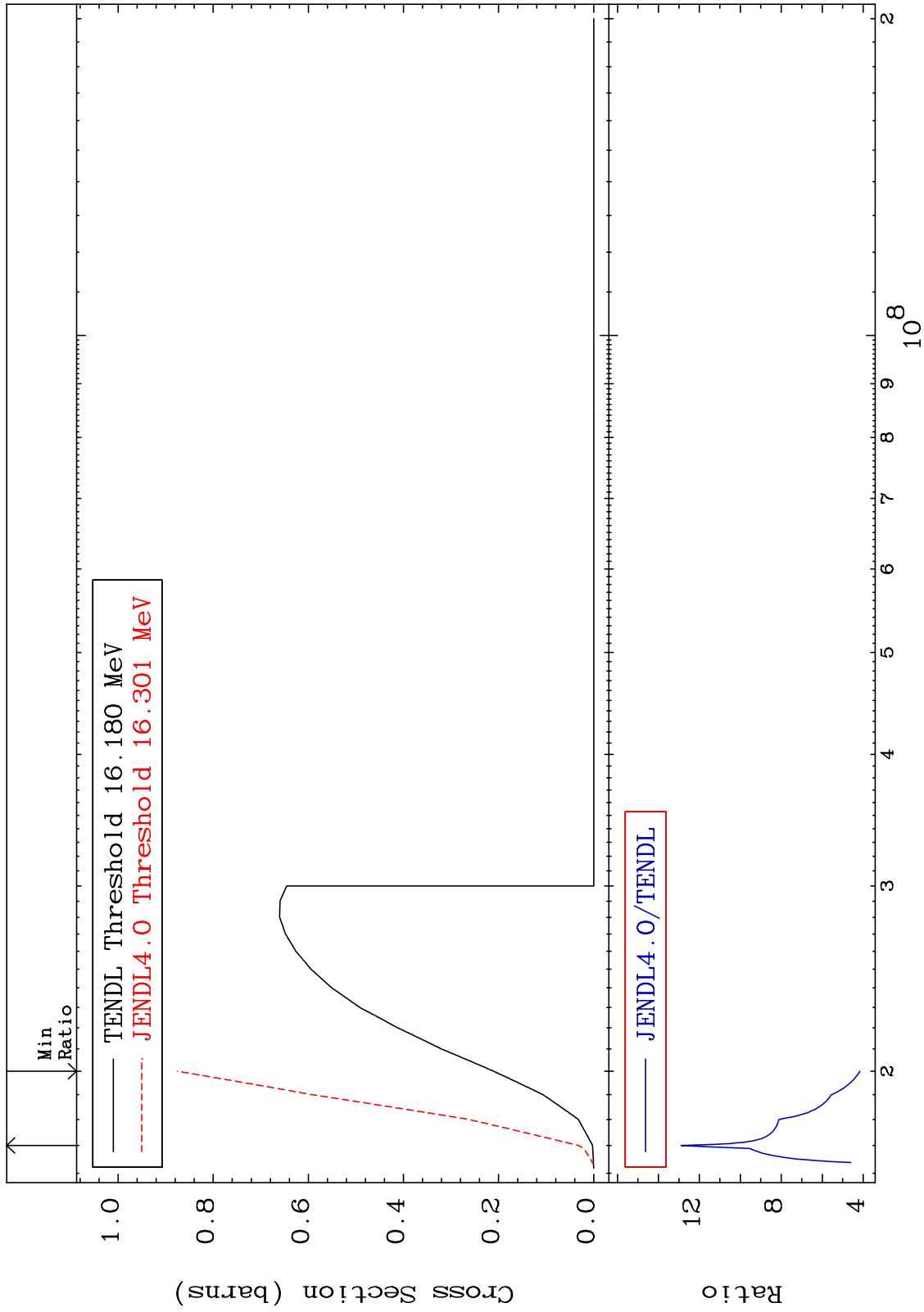
MAT 4443

(n,3n)

44-Ru-102

Cross Section

315.6 To 1189. %



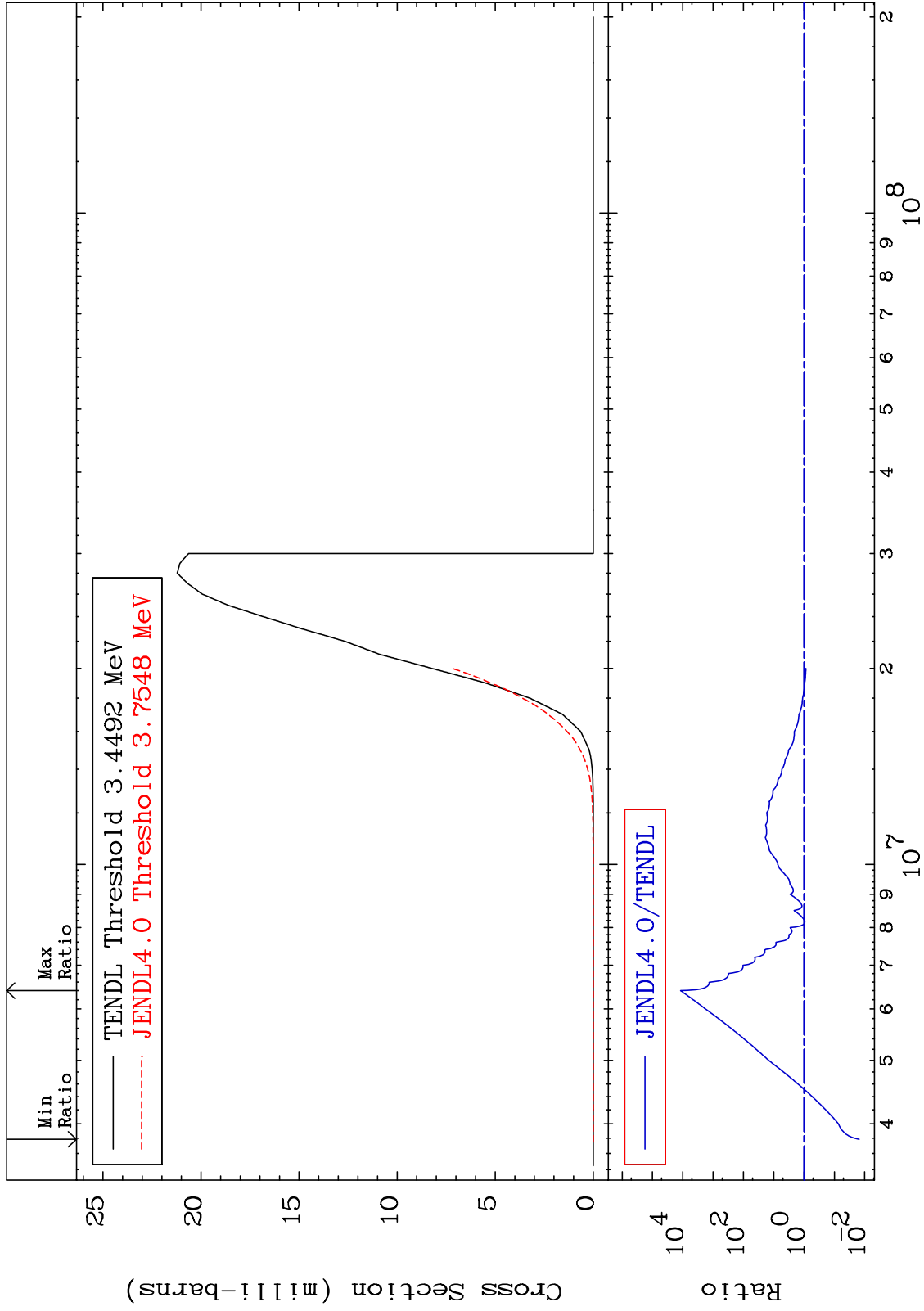
MAT 4443

(n,n') α

44-Ru-102

Cross Section

-98.48 To 9999. %



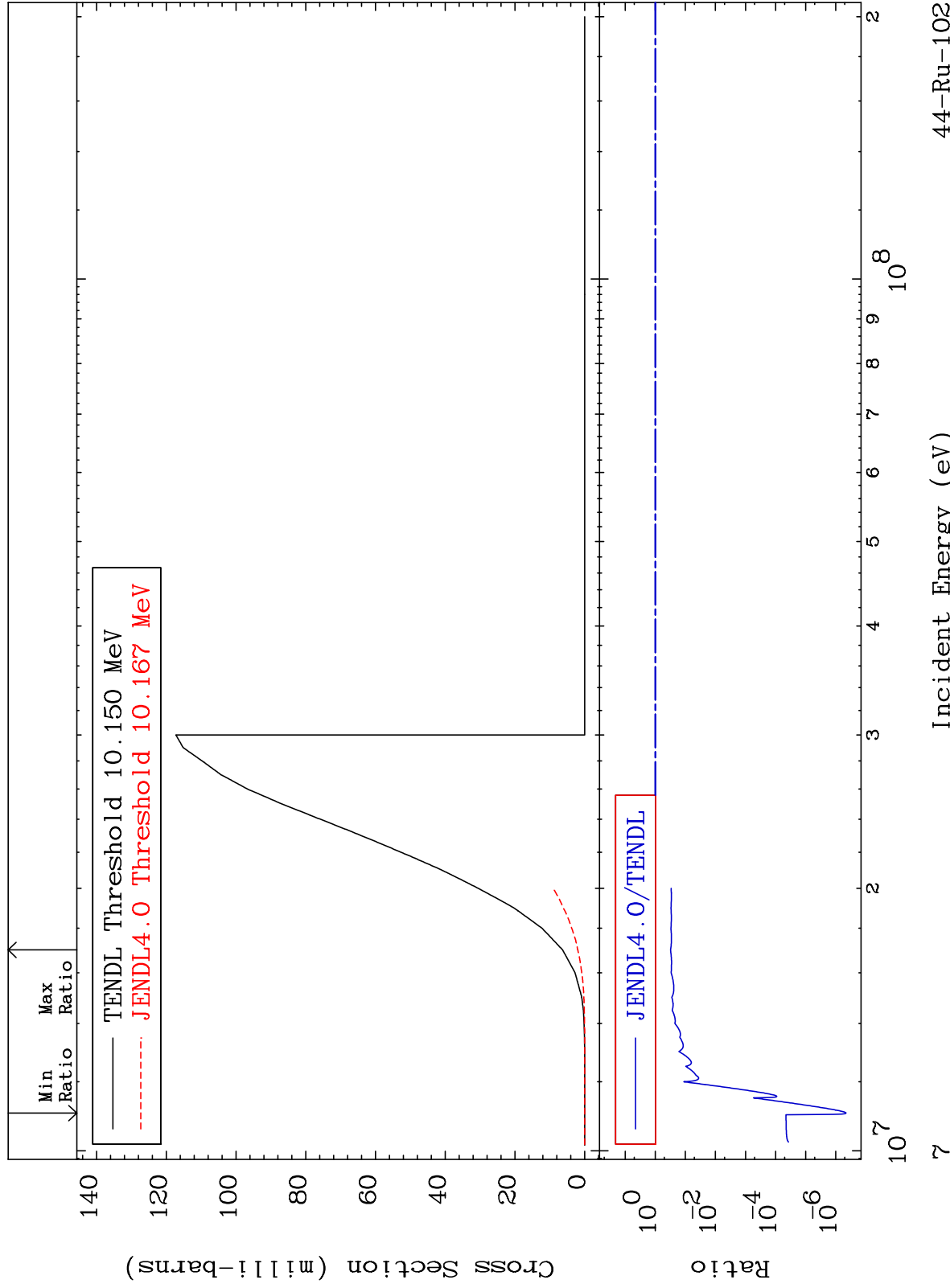
MAT 4443

(n,n') p

44-Ru-102

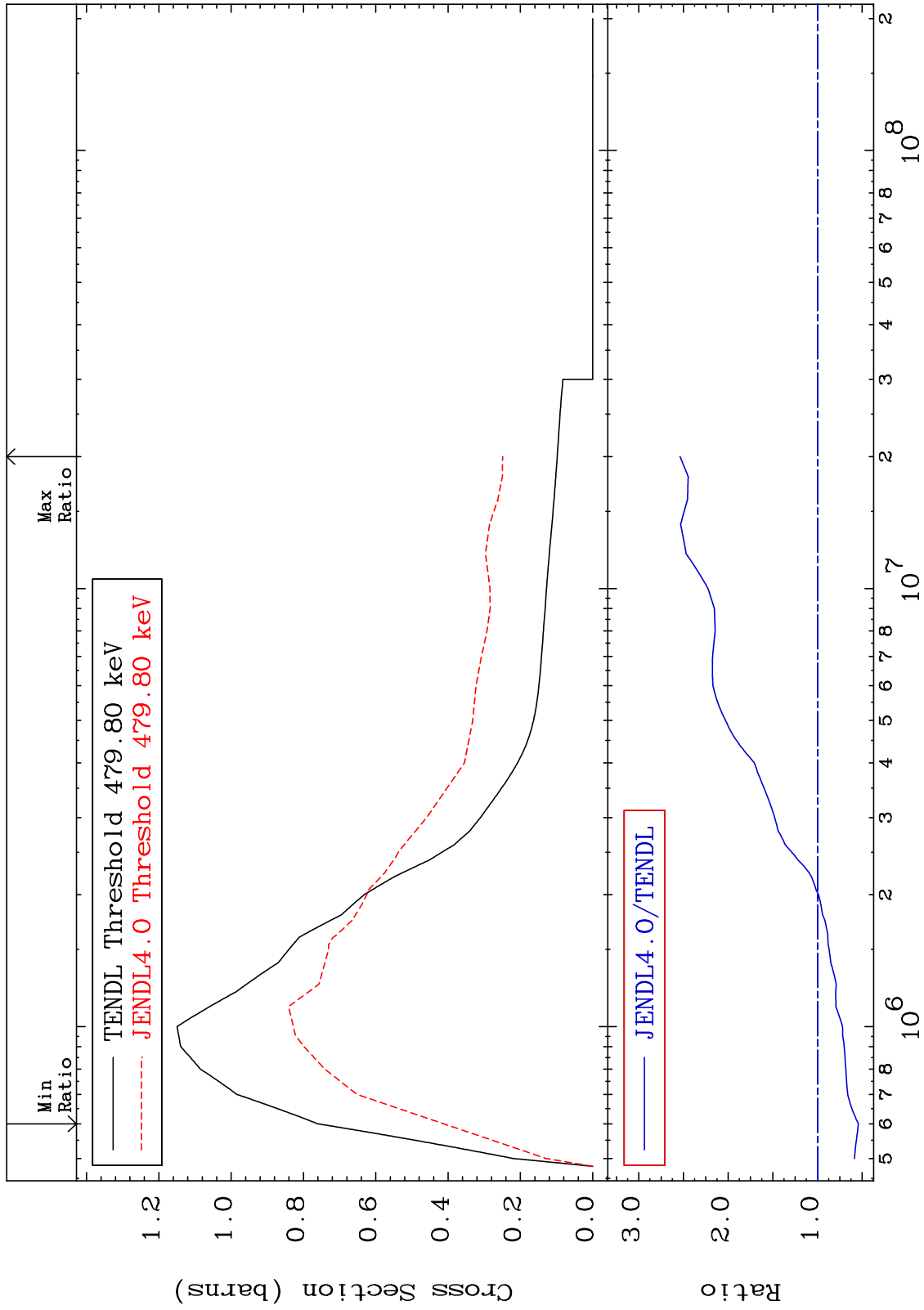
Cross Section

-100.0 To -68.92%



44-Ru-102

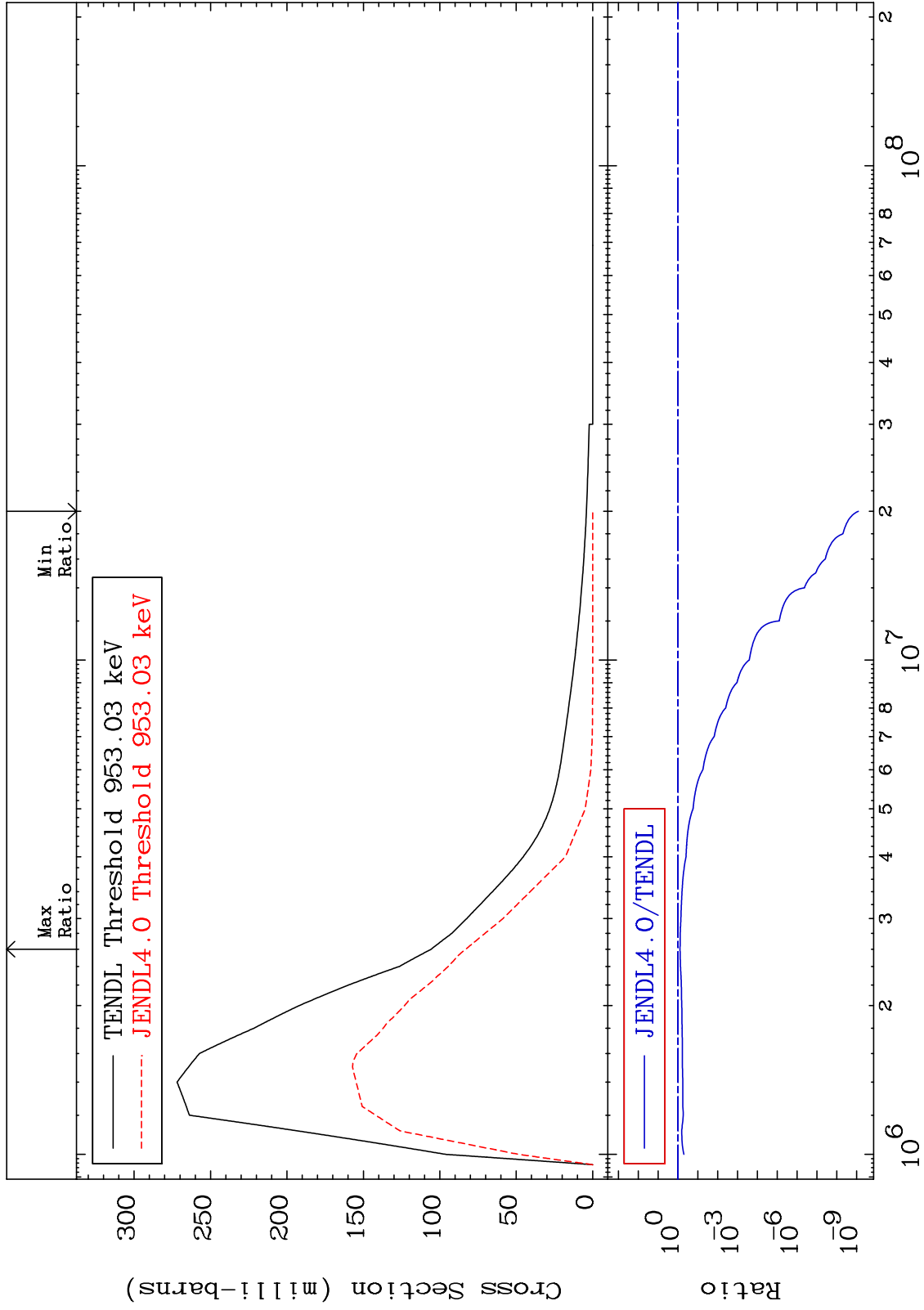
MAT 4443 MT= 51 (n,n') Level Cross Section 44-Ru-102
-45.79 To 153.8 %



MAT 4443

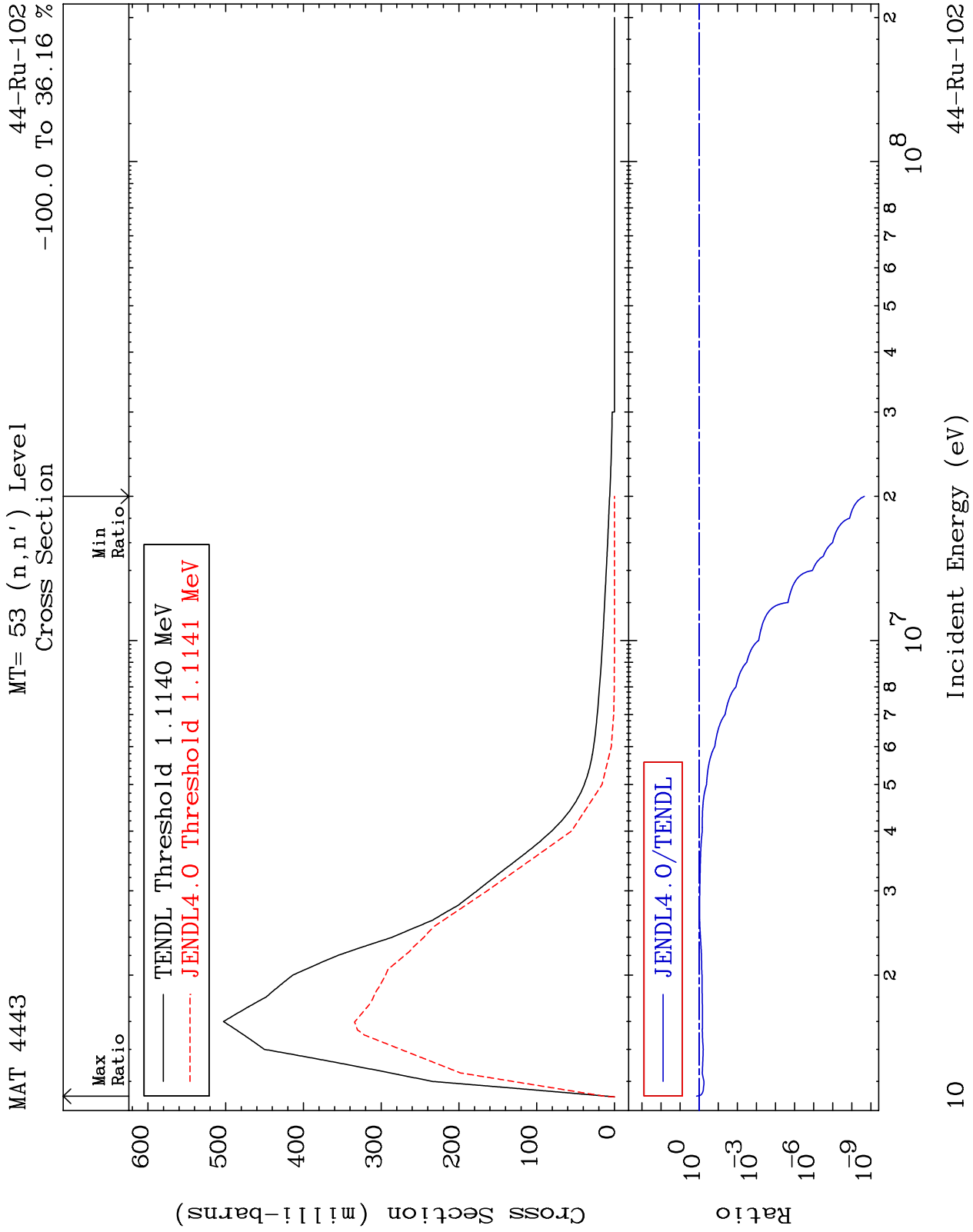
MT= 52 (n, n') Level
Cross Section

44-Ru-102
-100.0 To -21.39%

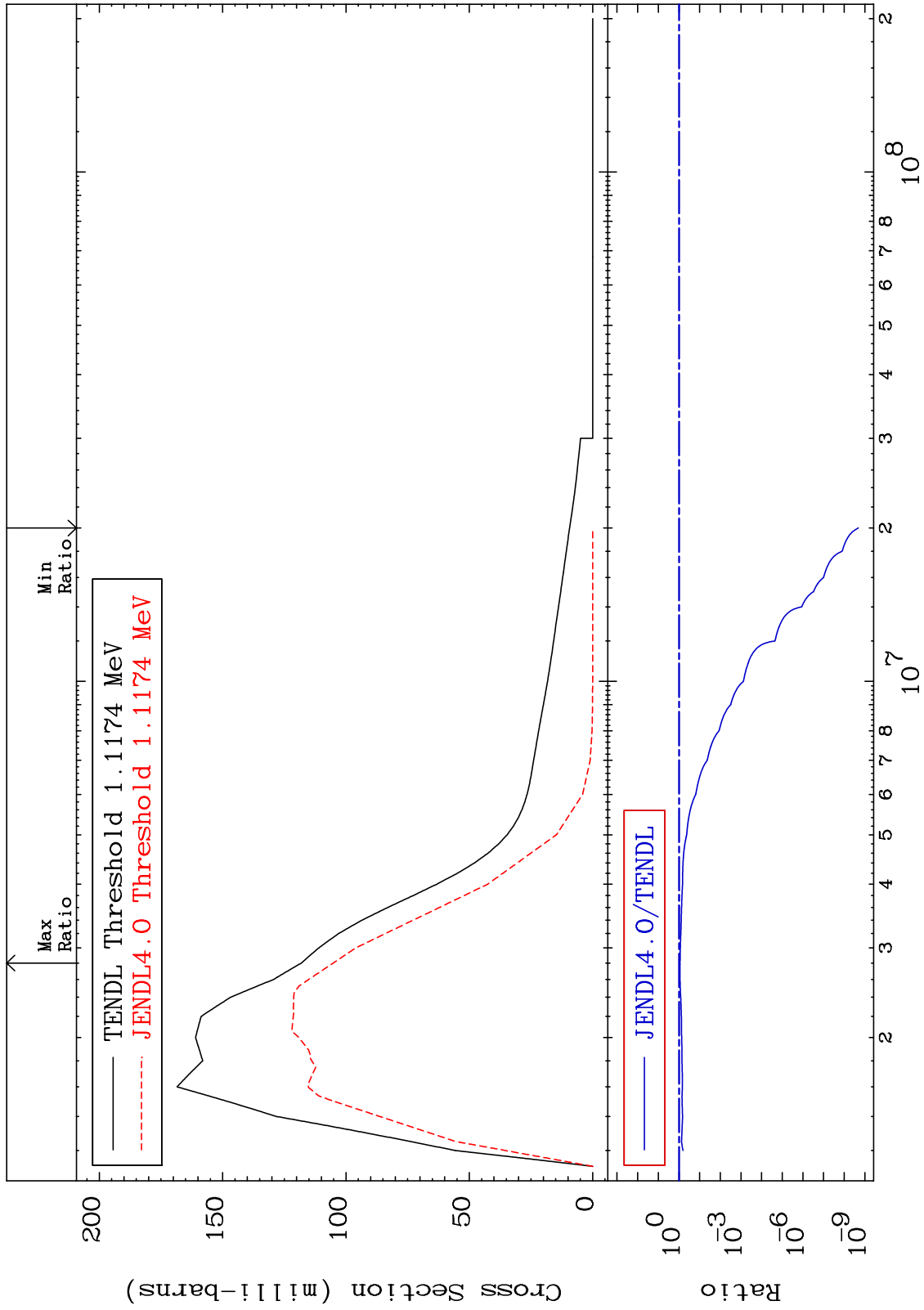


Incident Energy (eV)

44-Ru-102



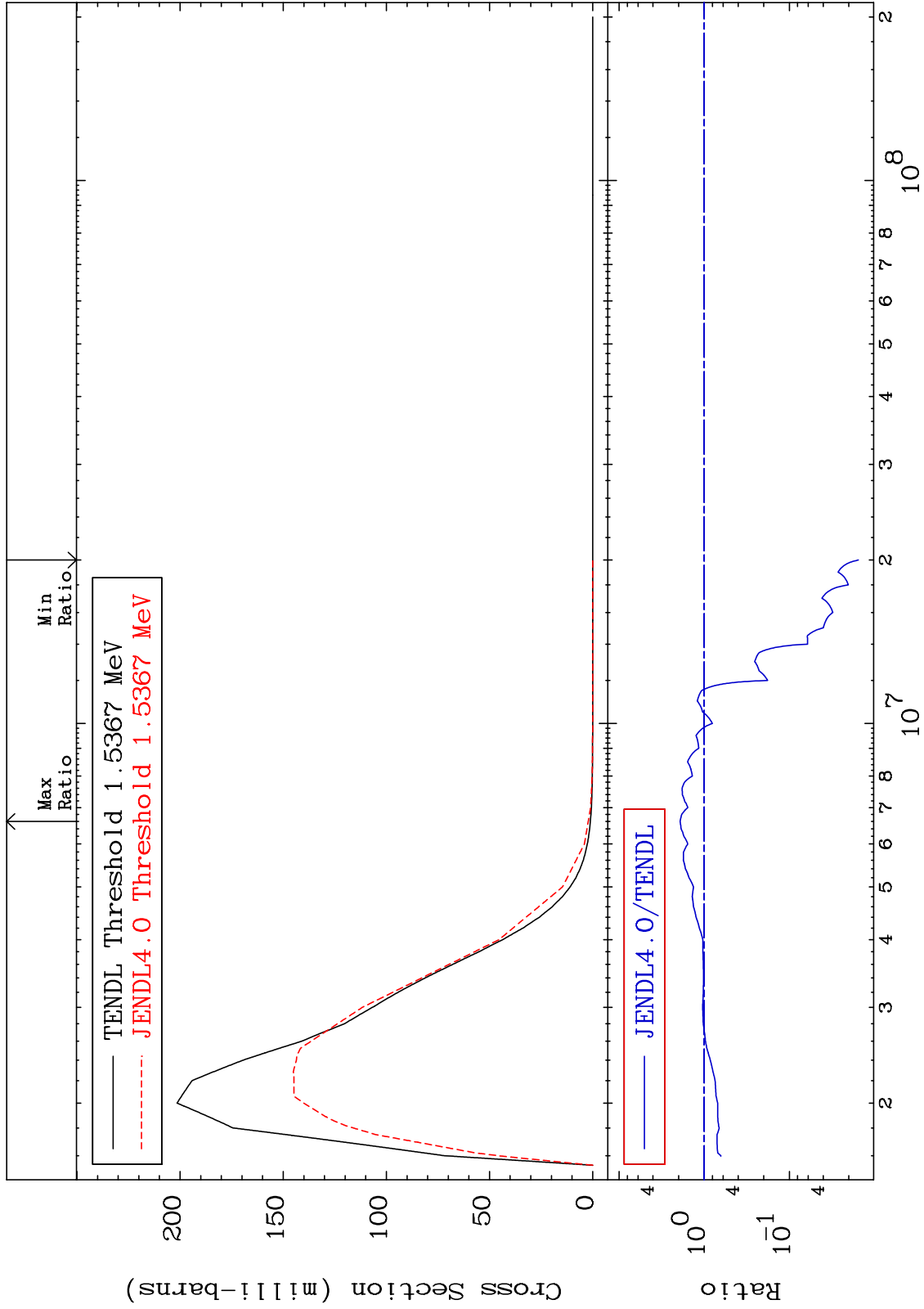
MAT 4443 MT= 54 (n, n') Level Cross Section 44-Ru-102 -100.0 To -10.95%



MAT 4443

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

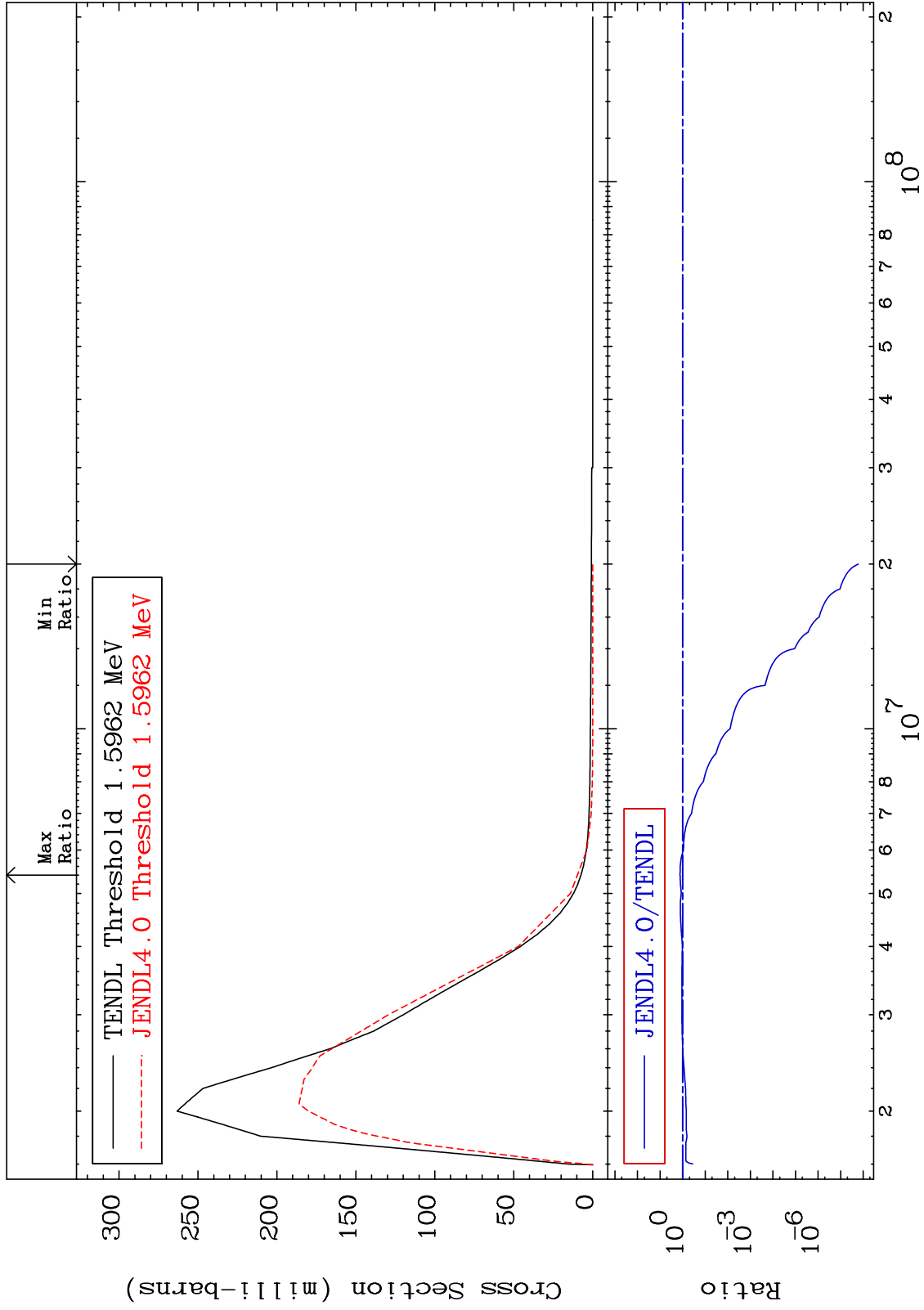
44-Ru-102
-98.46 To 92.56 %



MAT 4443

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

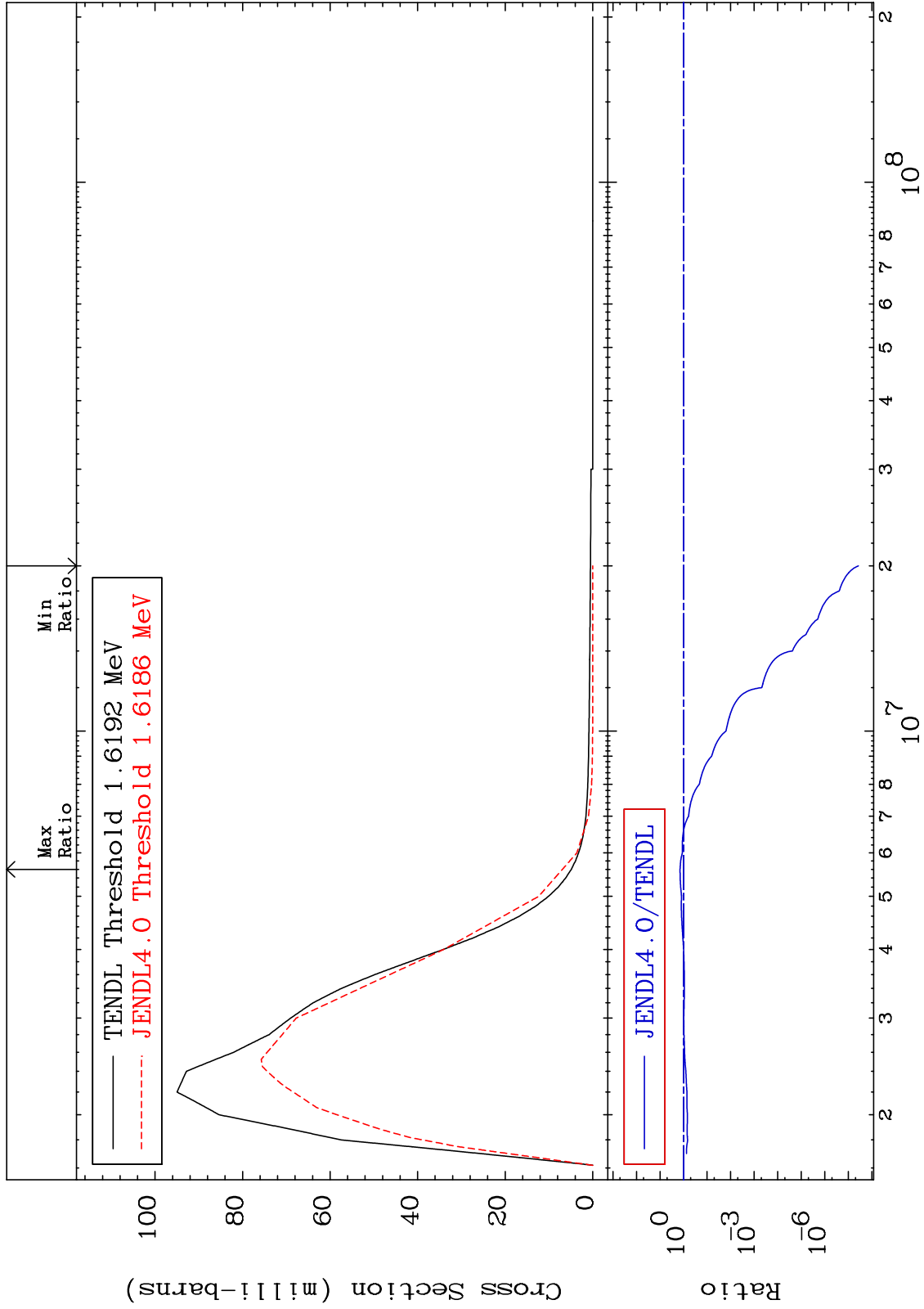
44-Ru-102
-100.0 To 30.81 %



MAT 4443

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

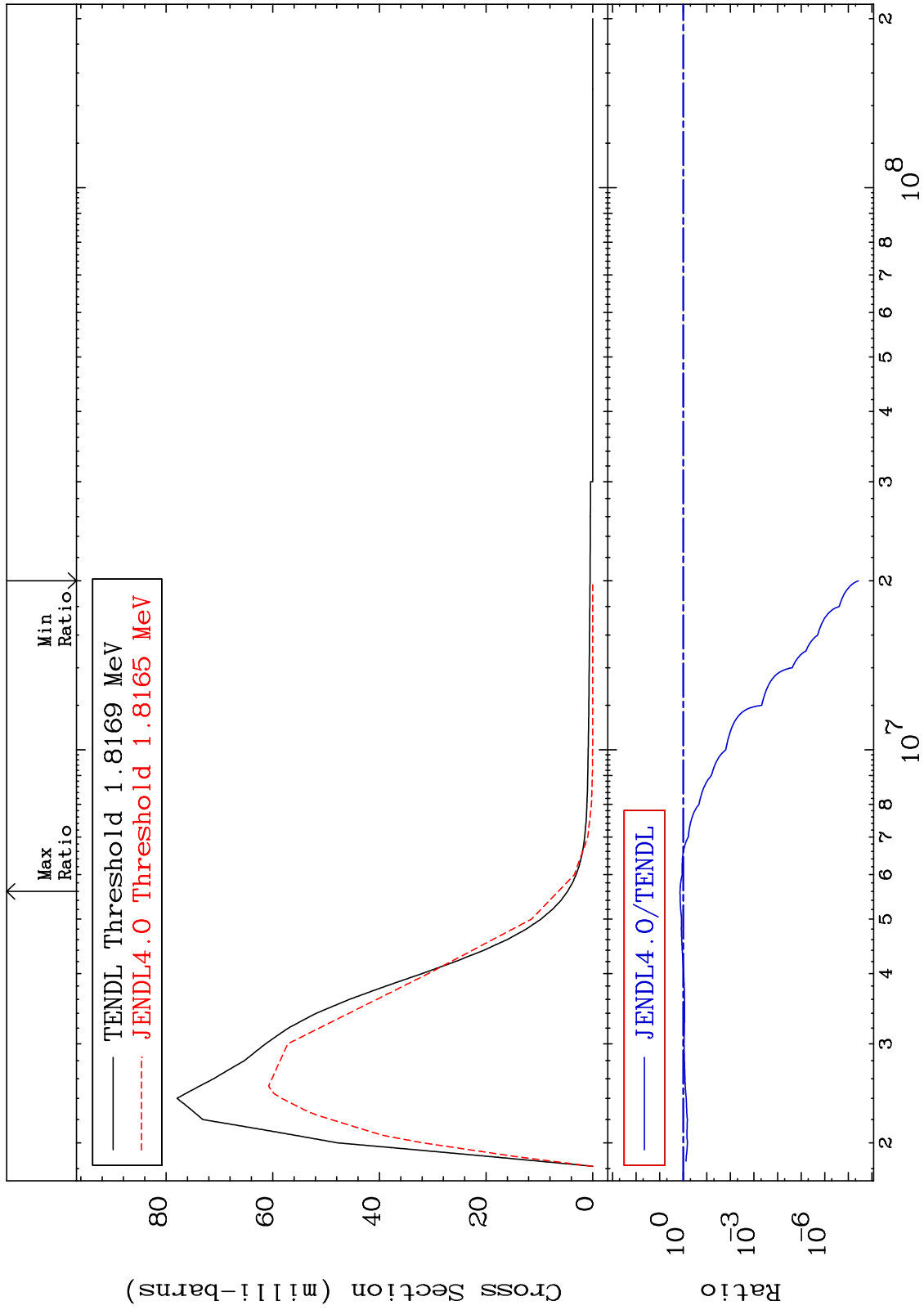
44-Ru-102
-100.0 To 41.26 %



MAT 4443

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

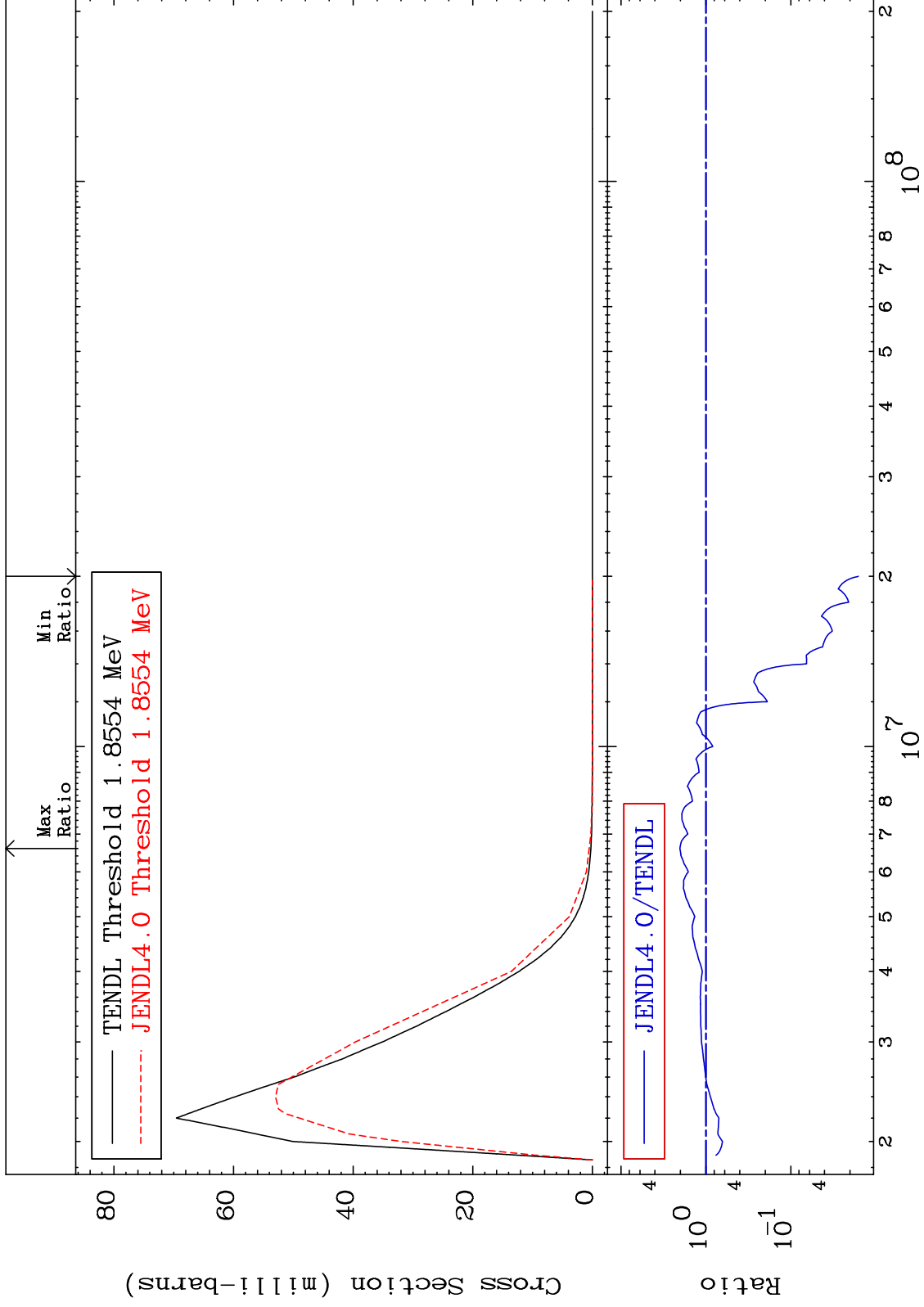
44-Ru-102
-100.0 To 37.12 %



MAT 4443

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

44-Ru-102
-98.40 To 103.3 %



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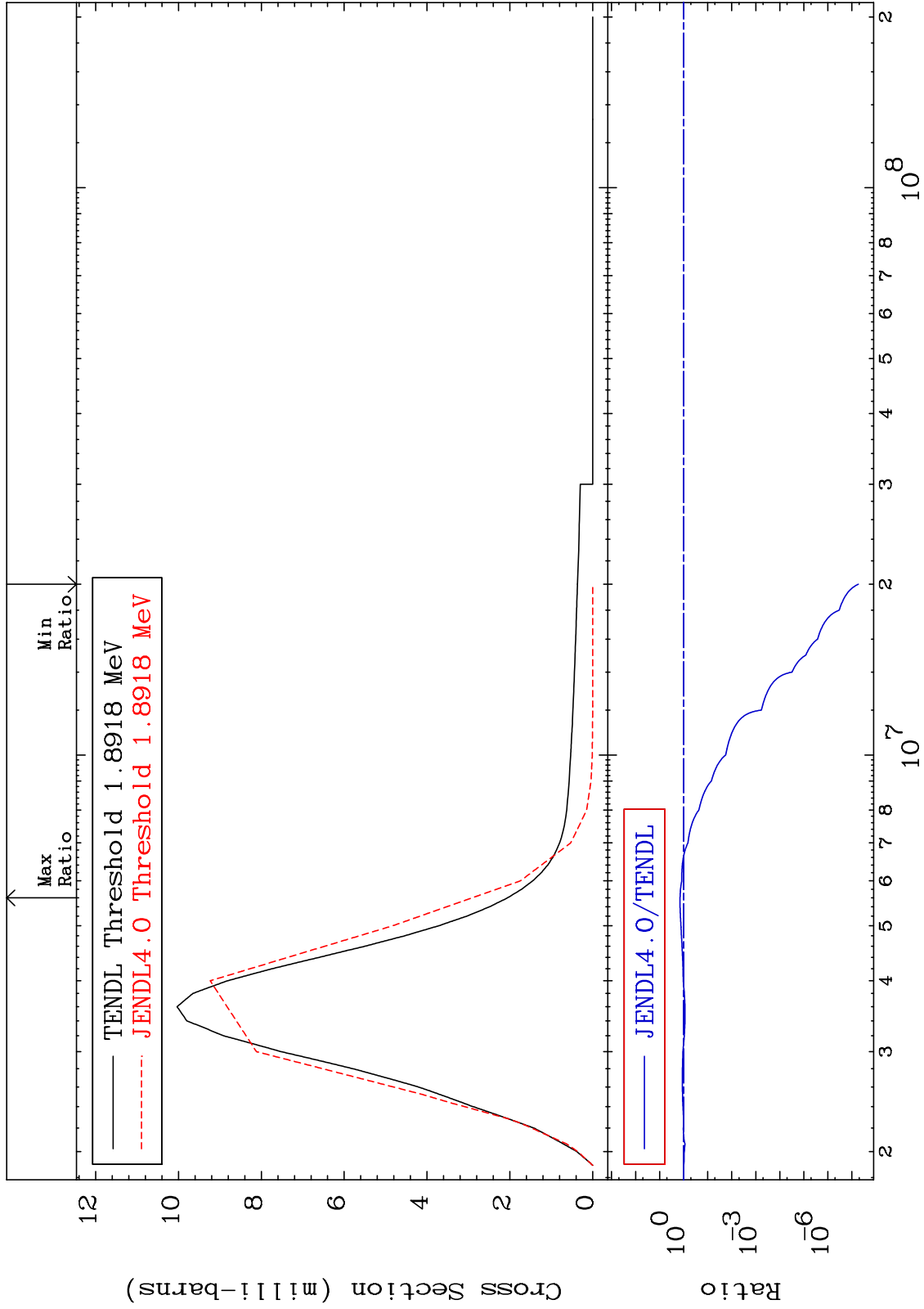
Incident Energy (eV)

44-Ru-102

MAT 4443

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

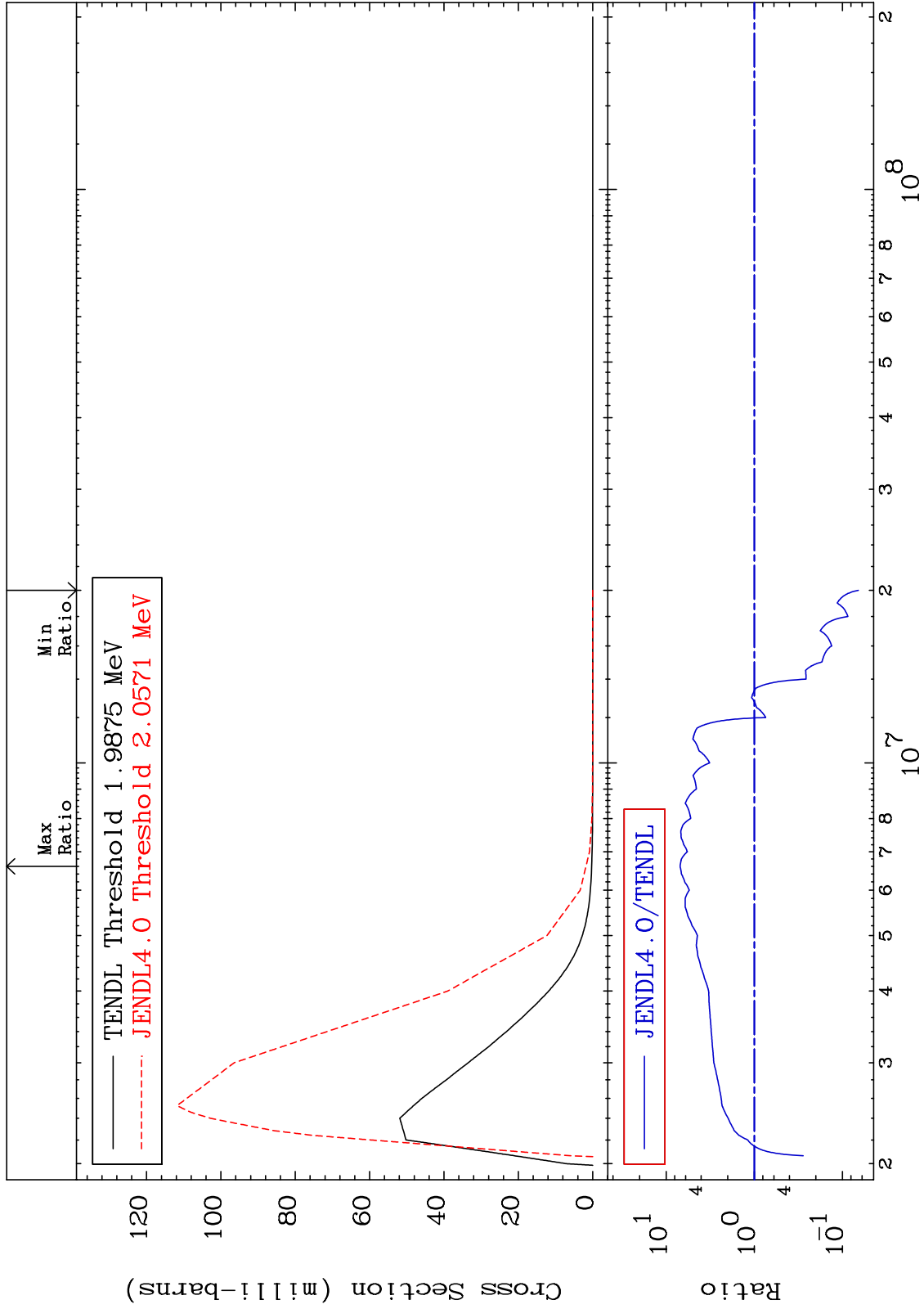
44-Ru-102
-100.0 To 41.70 %



MAT 4443

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

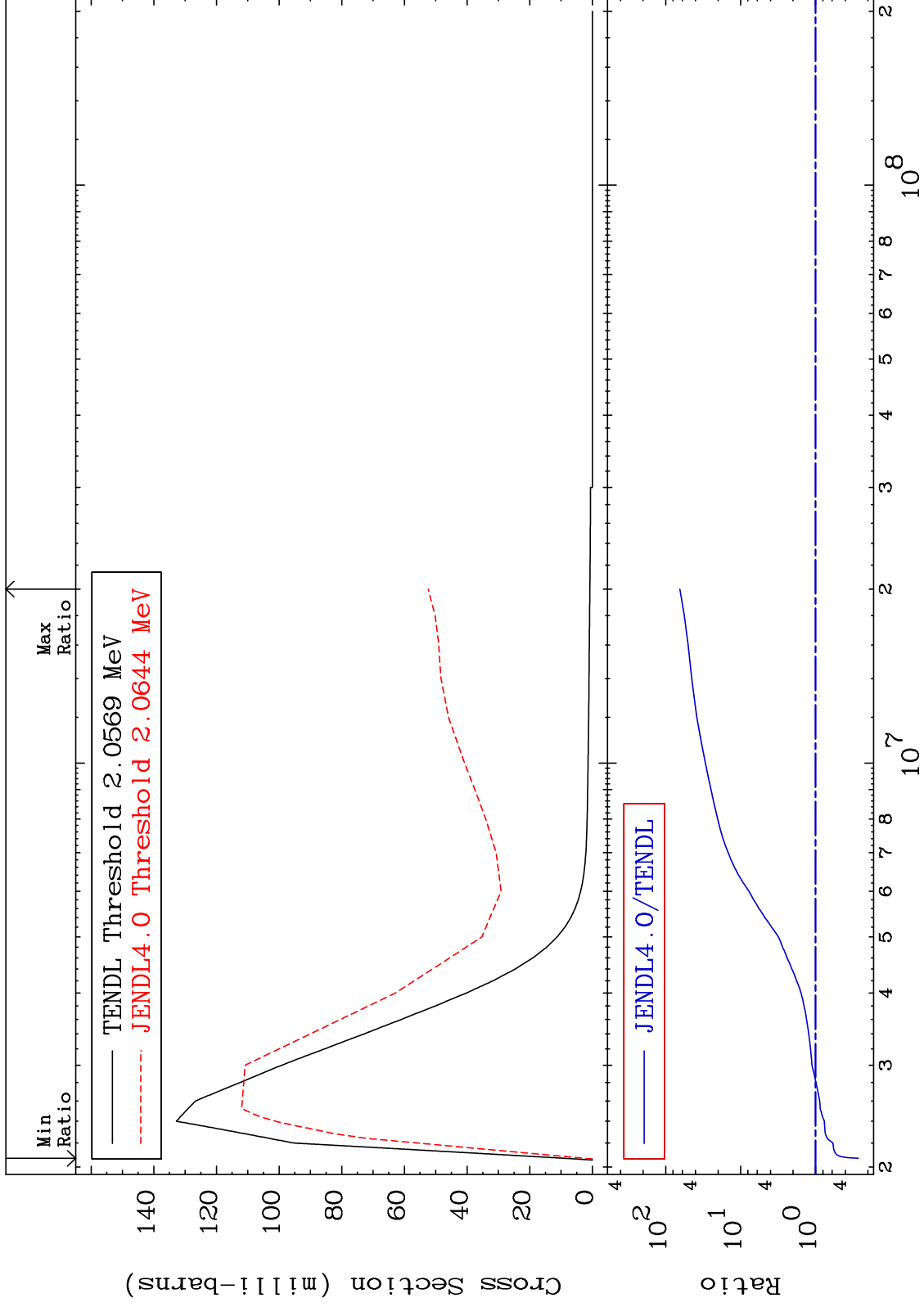
44-Ru-102
-93.41 To 595.7 %



MAT 4443

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

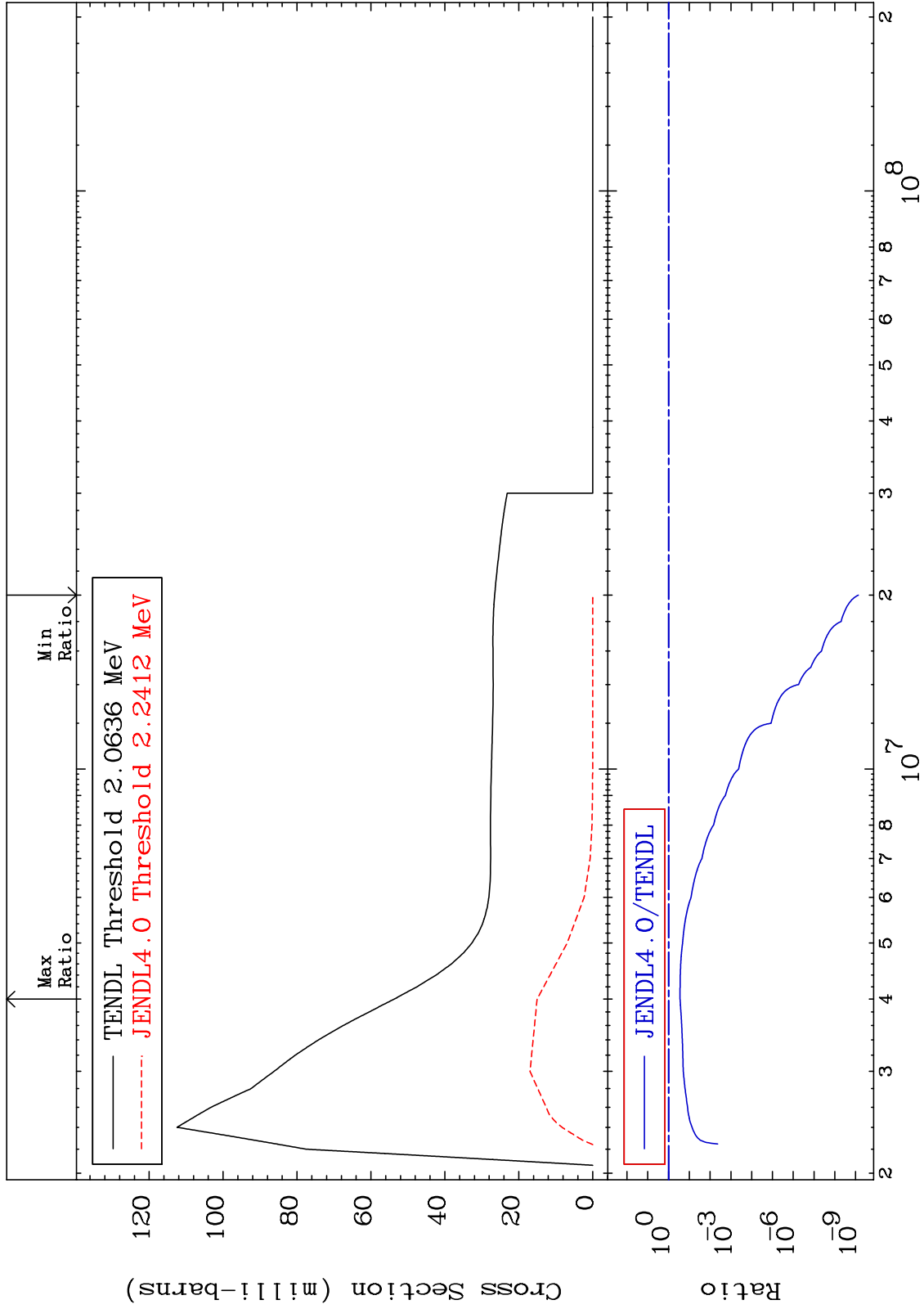
44-Ru-102
-73.13 To 6381. %



MAT 4443

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

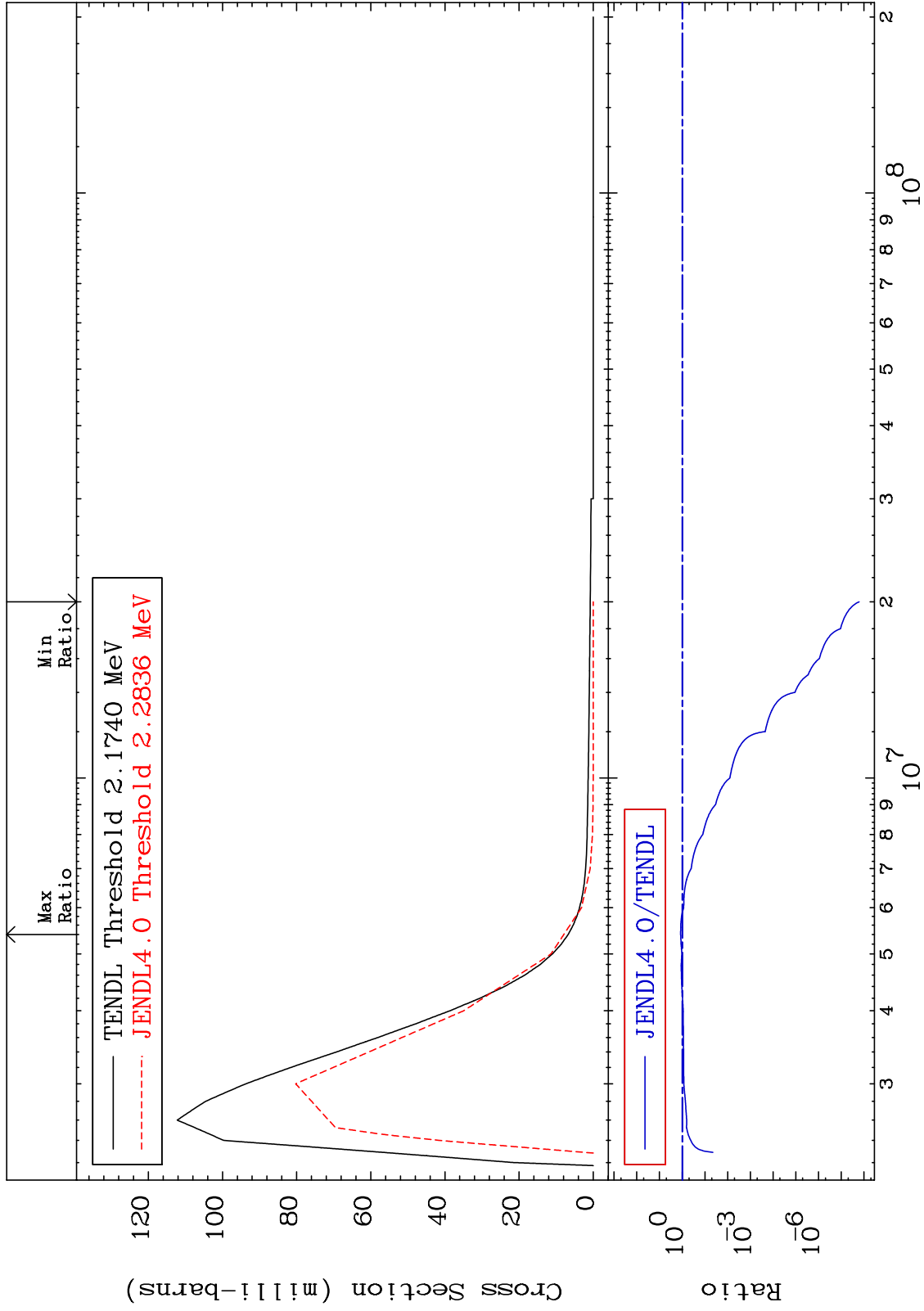
44-Ru-102
-100.0 To -71.99%



MAT 4443

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

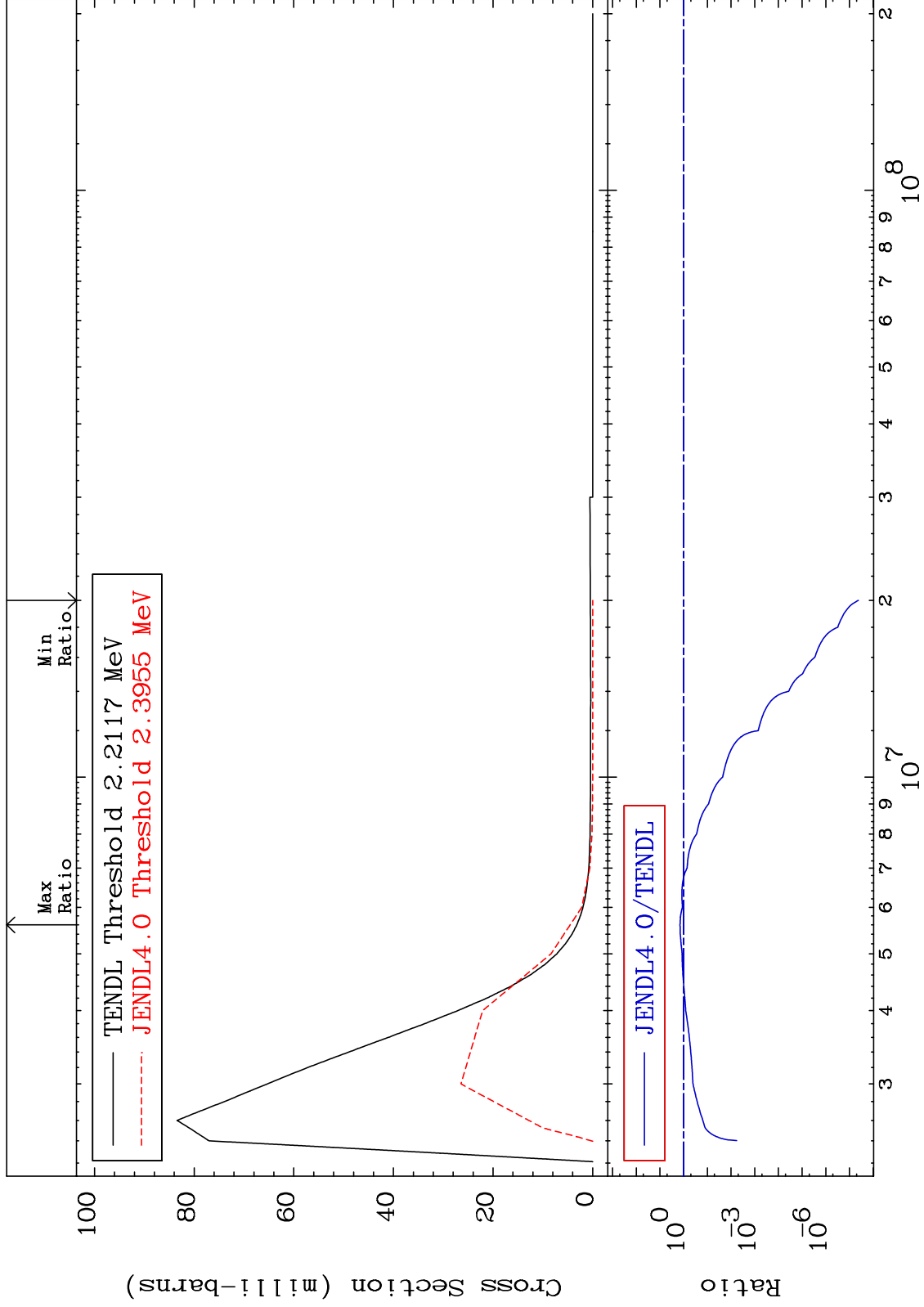
44-Ru-102
-100.0 To 17.32 %



MAT 4443

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

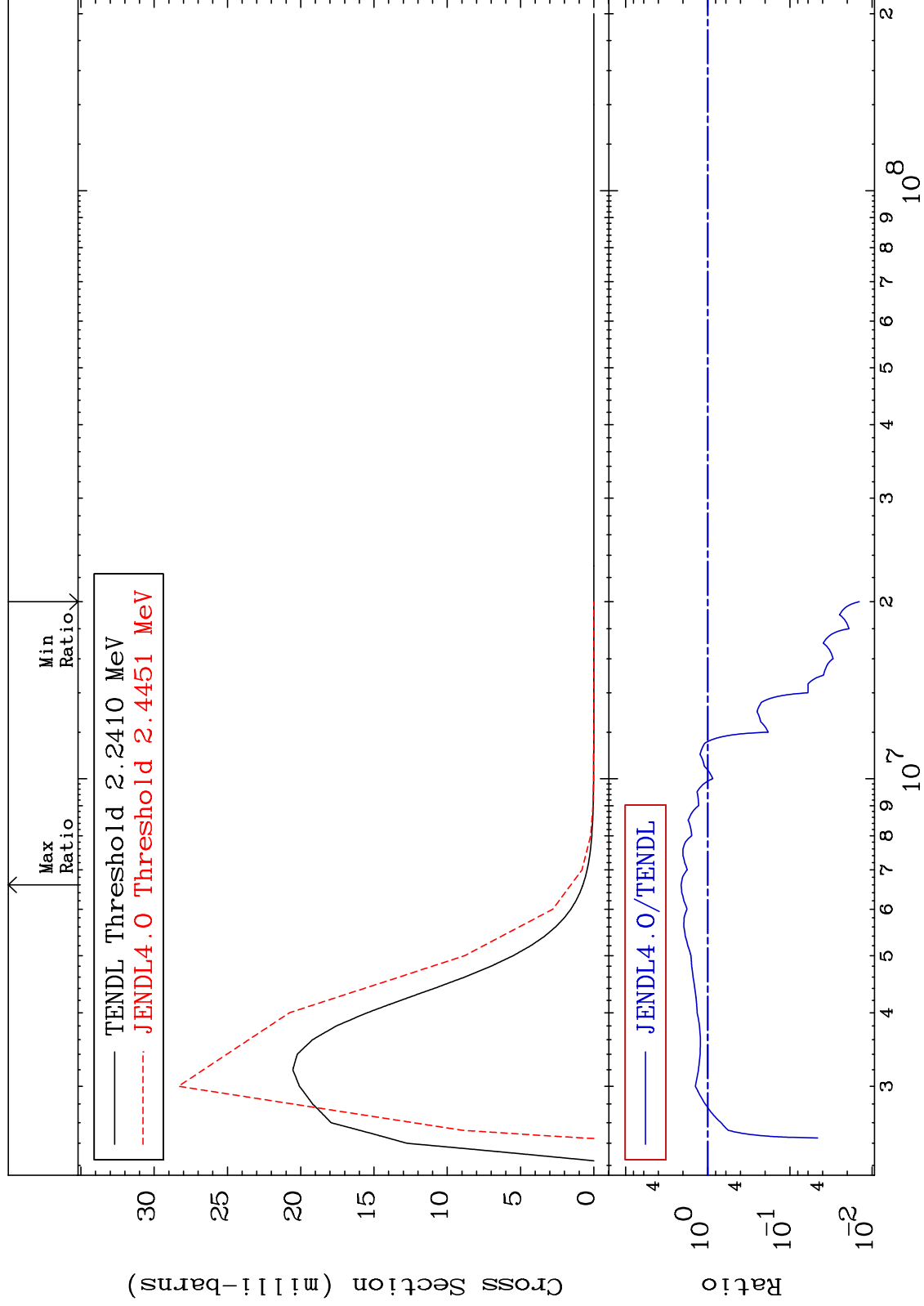
44-Ru-102
-100.0 To 42.10 %



MAT 4443

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

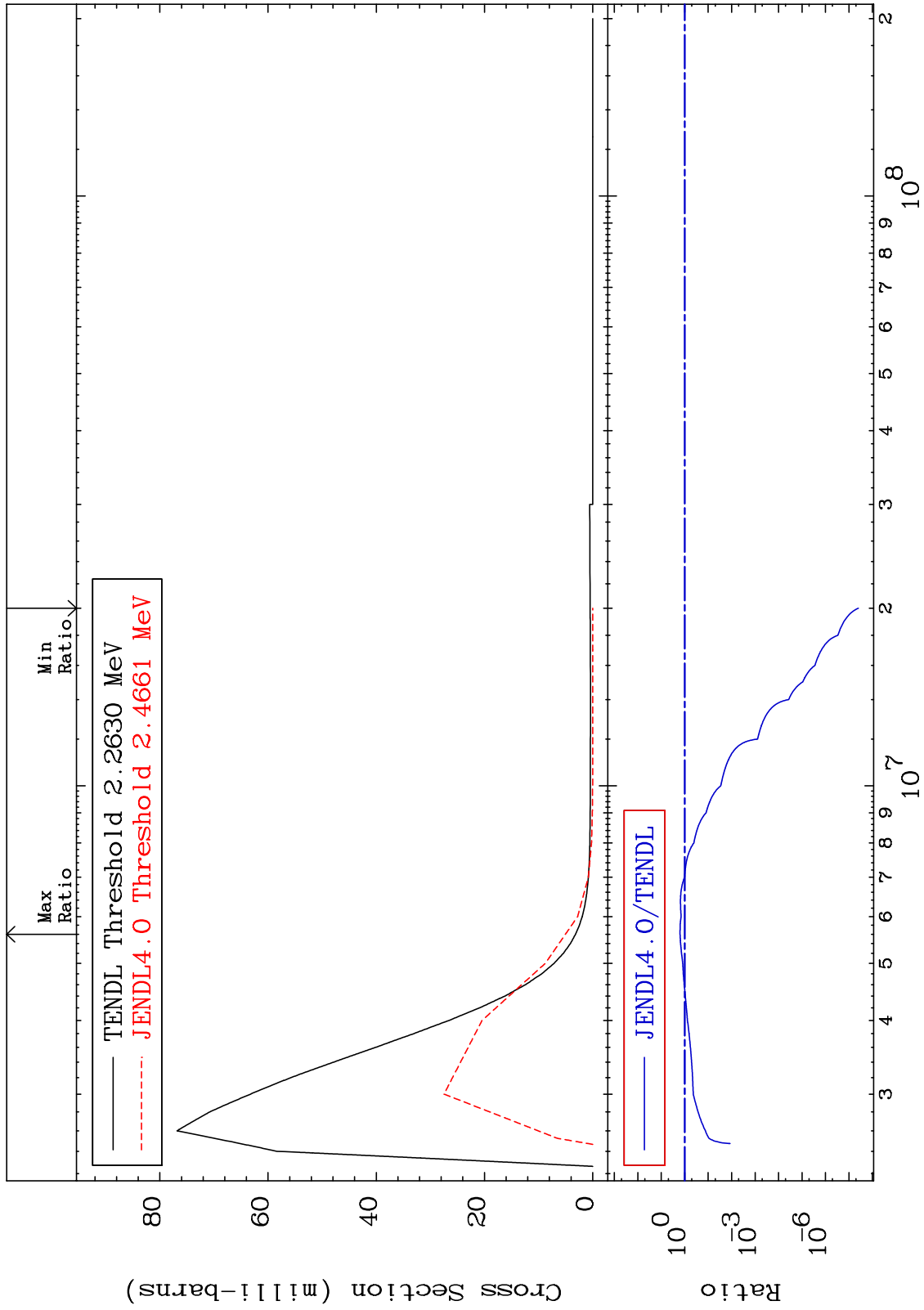
44-Ru-102
-98.57 To 111.3 %



MAT 4443

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

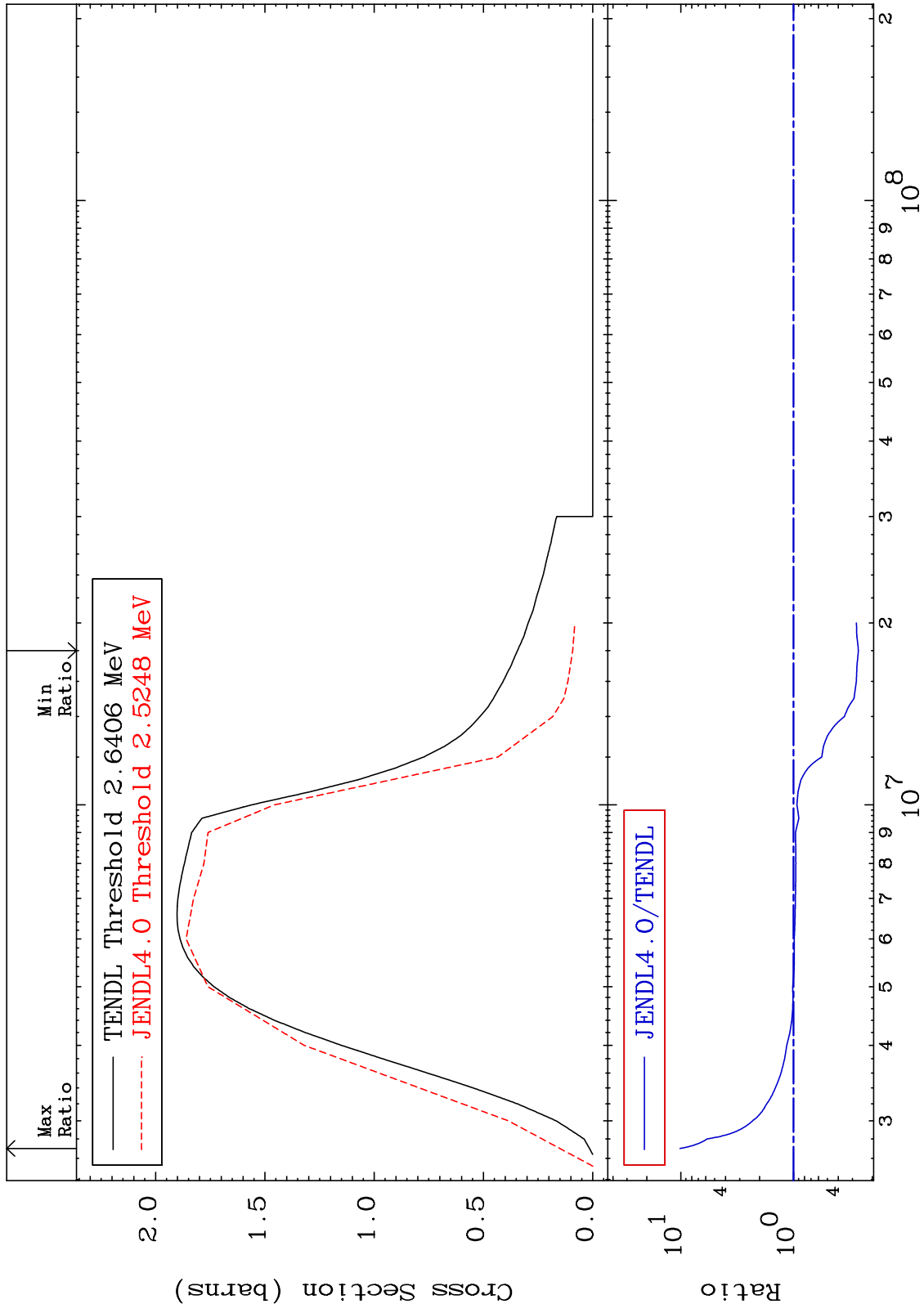
44-Ru-102
-100.0 To 59.04 %



MAT 4443

(n, n') Continuum
Cross Section

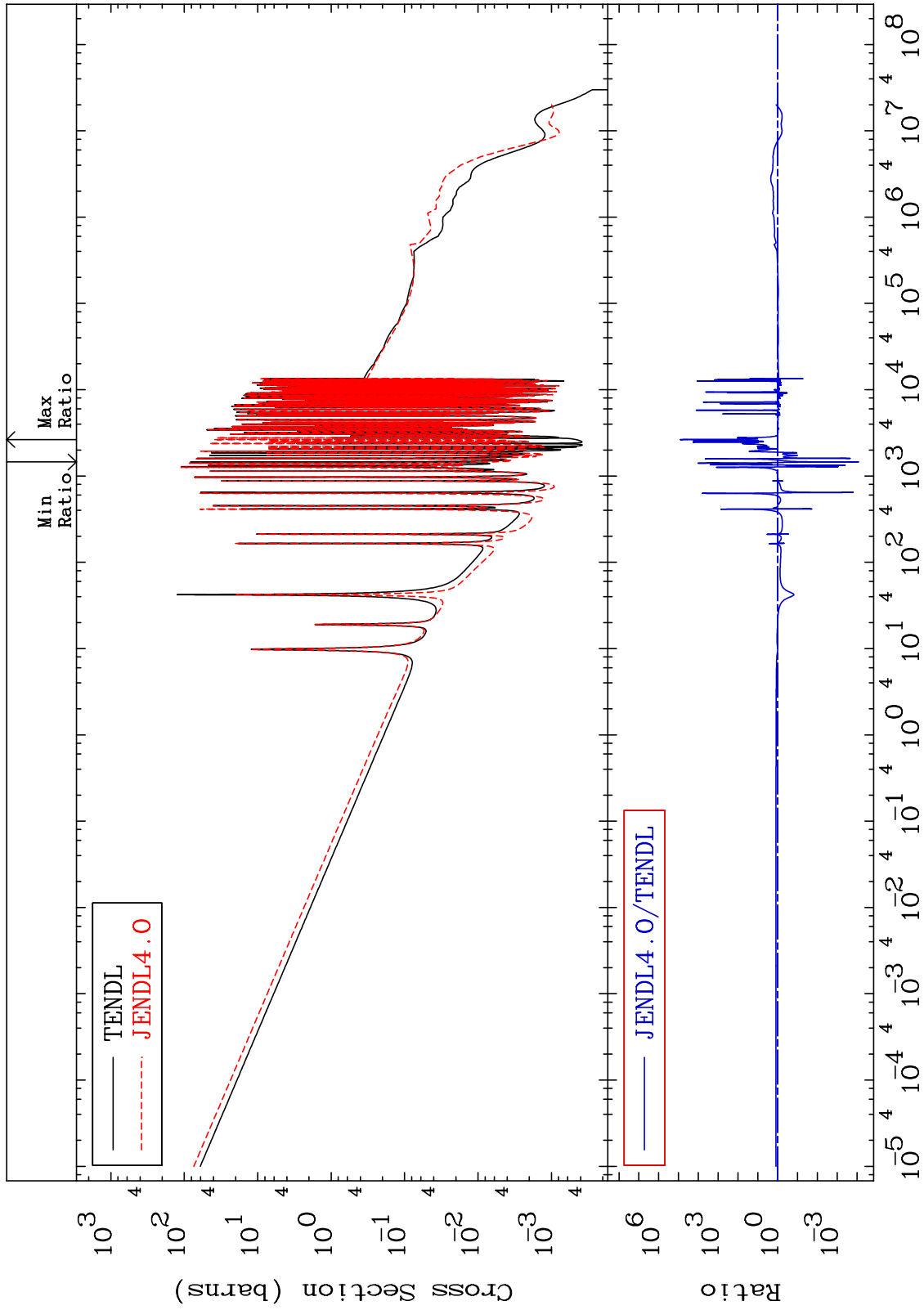
44-Ru-102
-73.46 To 915.6 %



MAT 4443

(n, γ)
Cross Section

44-Ru-102
-99.99 To 9999. %



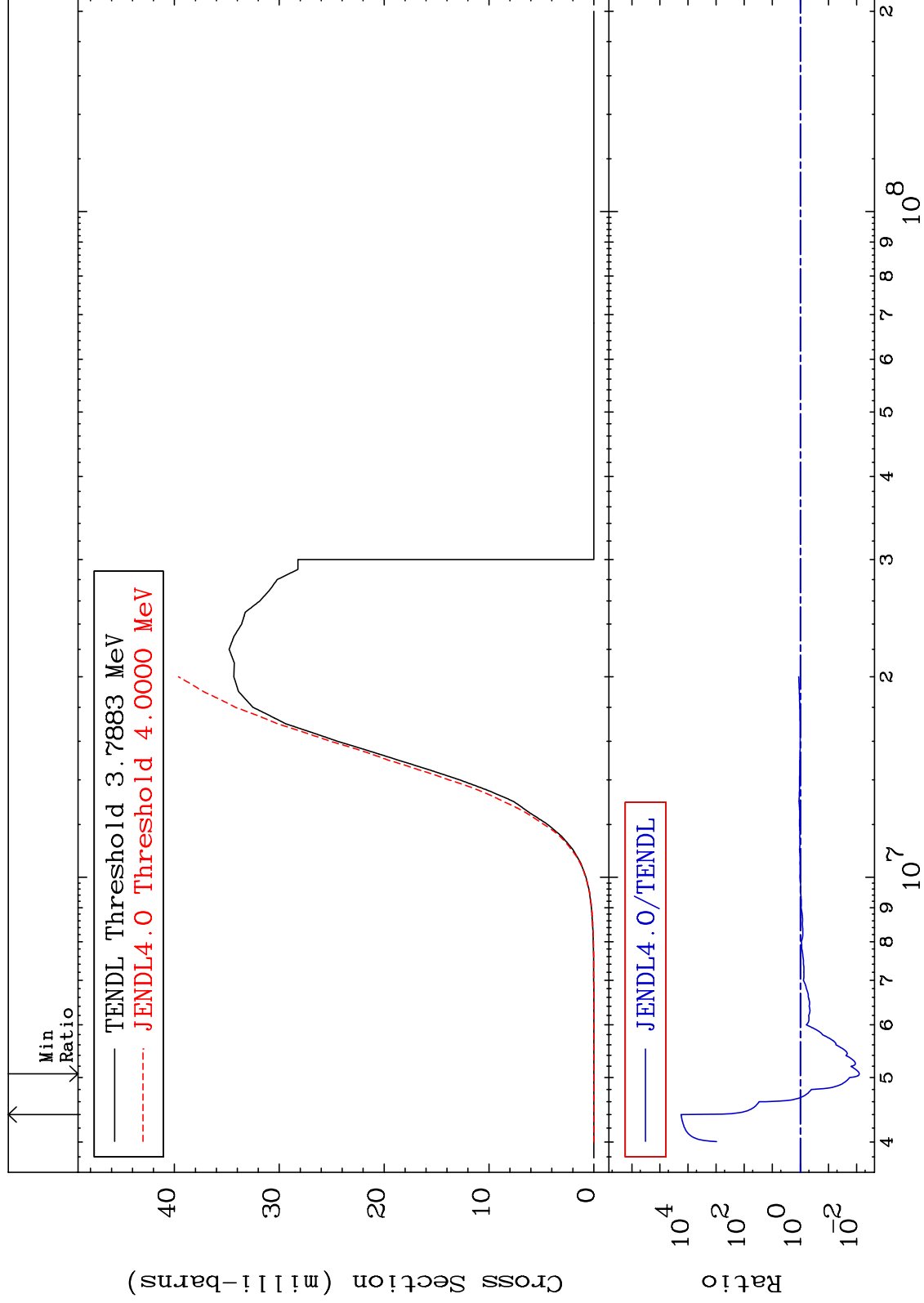
MAT 4443

(n,p)

44-Ru-102

Cross Section

-99.20 To 9999. %



27

Incident Energy (eV)

44-Ru-102

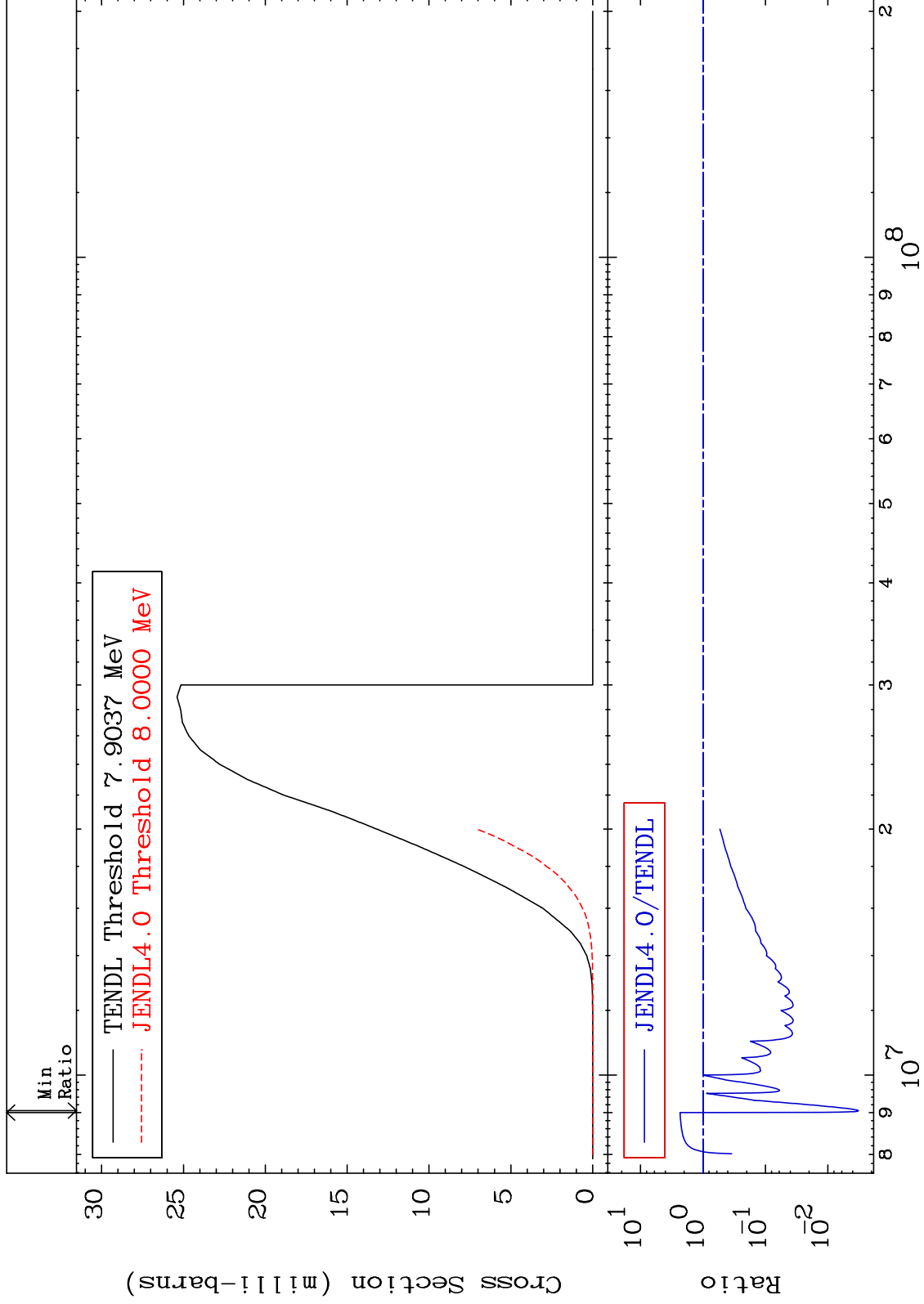
MAT 4443

(n, d)

44-Ru-102

Cross Section

-99.68 To 133.1 %



28

Incident Energy (eV)

44-Ru-102

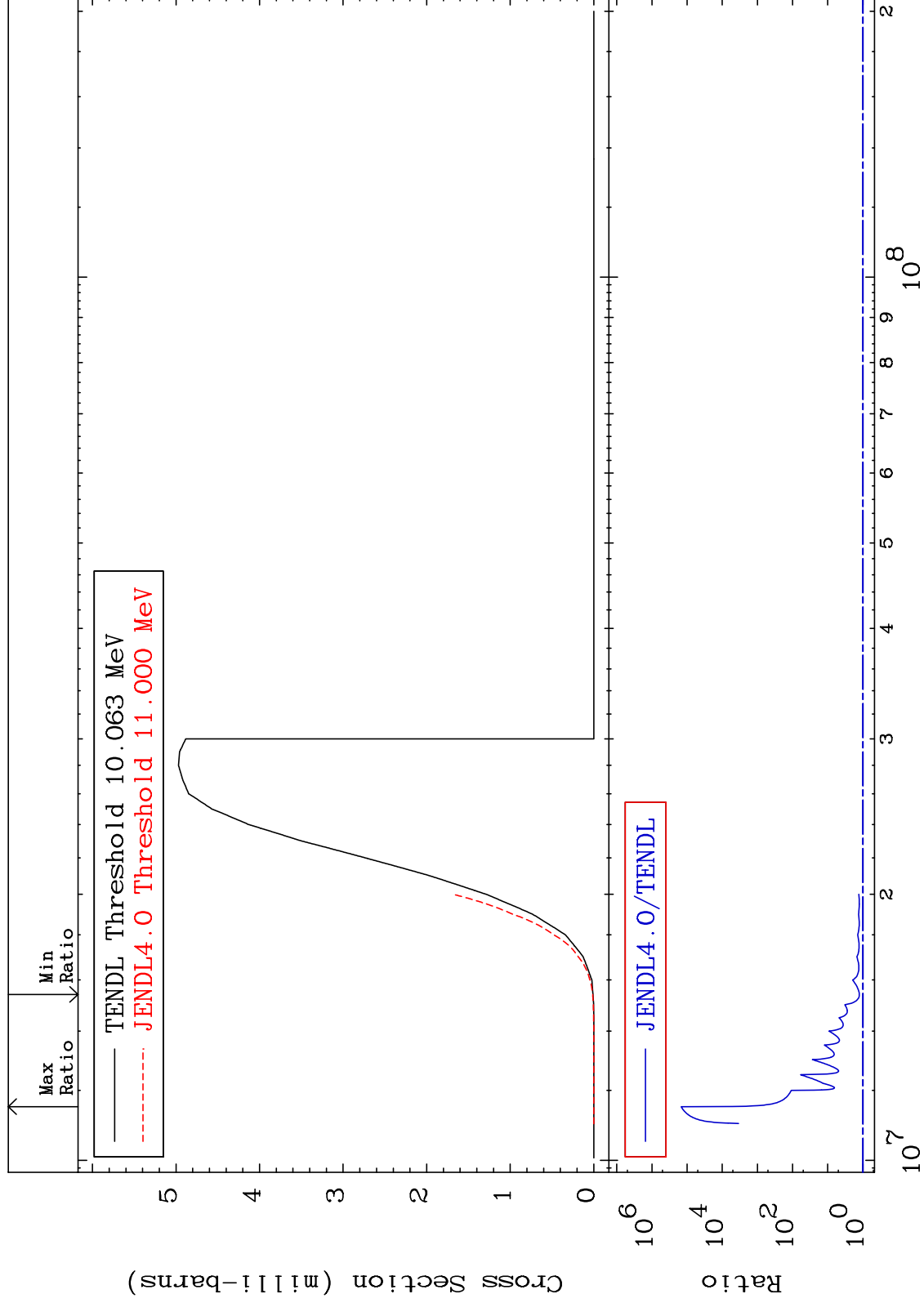
MAT 4443

(n, t)

44-Ru-102

Cross Section

26.37 To 9999. %



Incident Energy (eV)

44-Ru-102

29

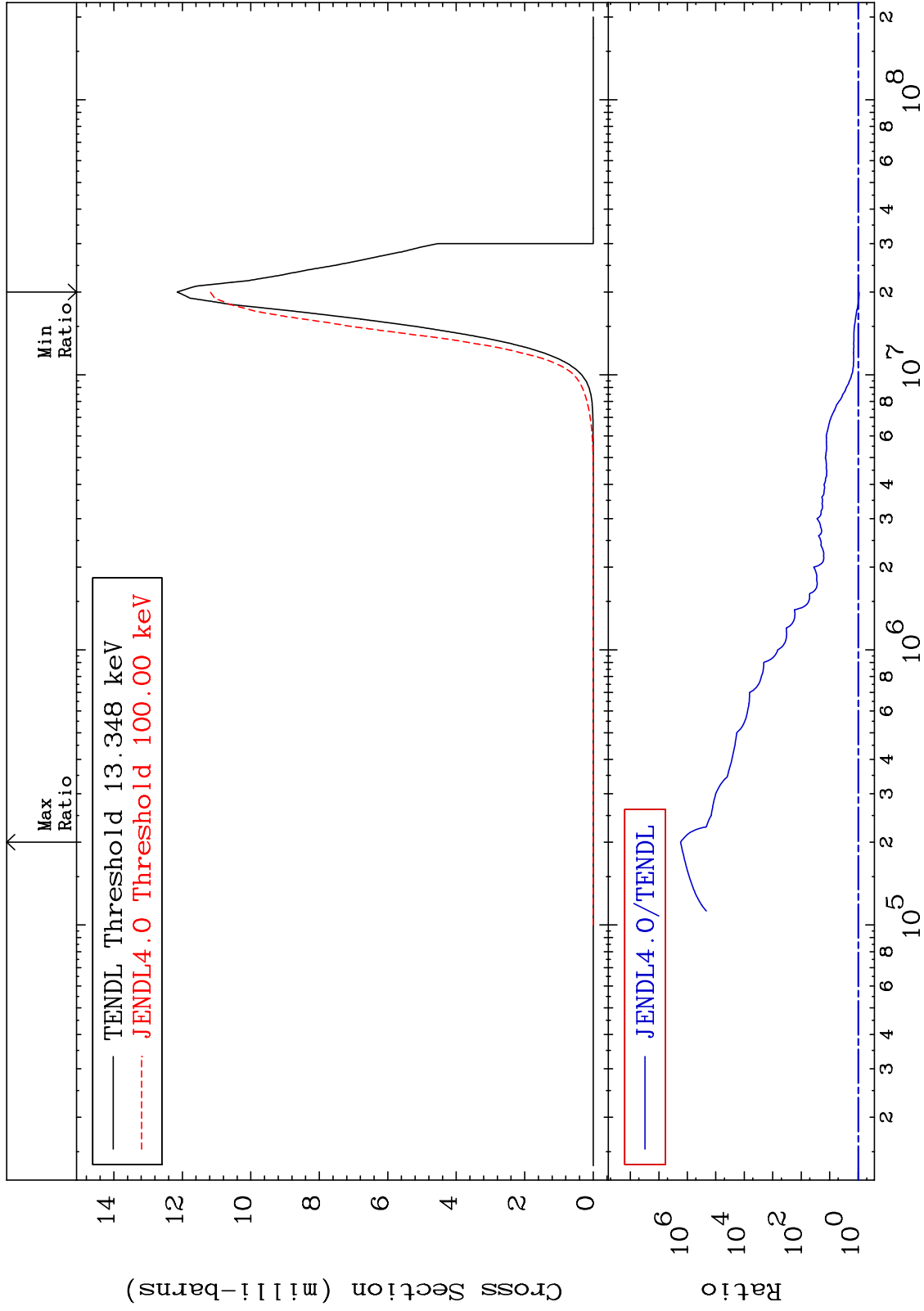
MAT 4443

(n, α)

44-Ru-102

Cross Section

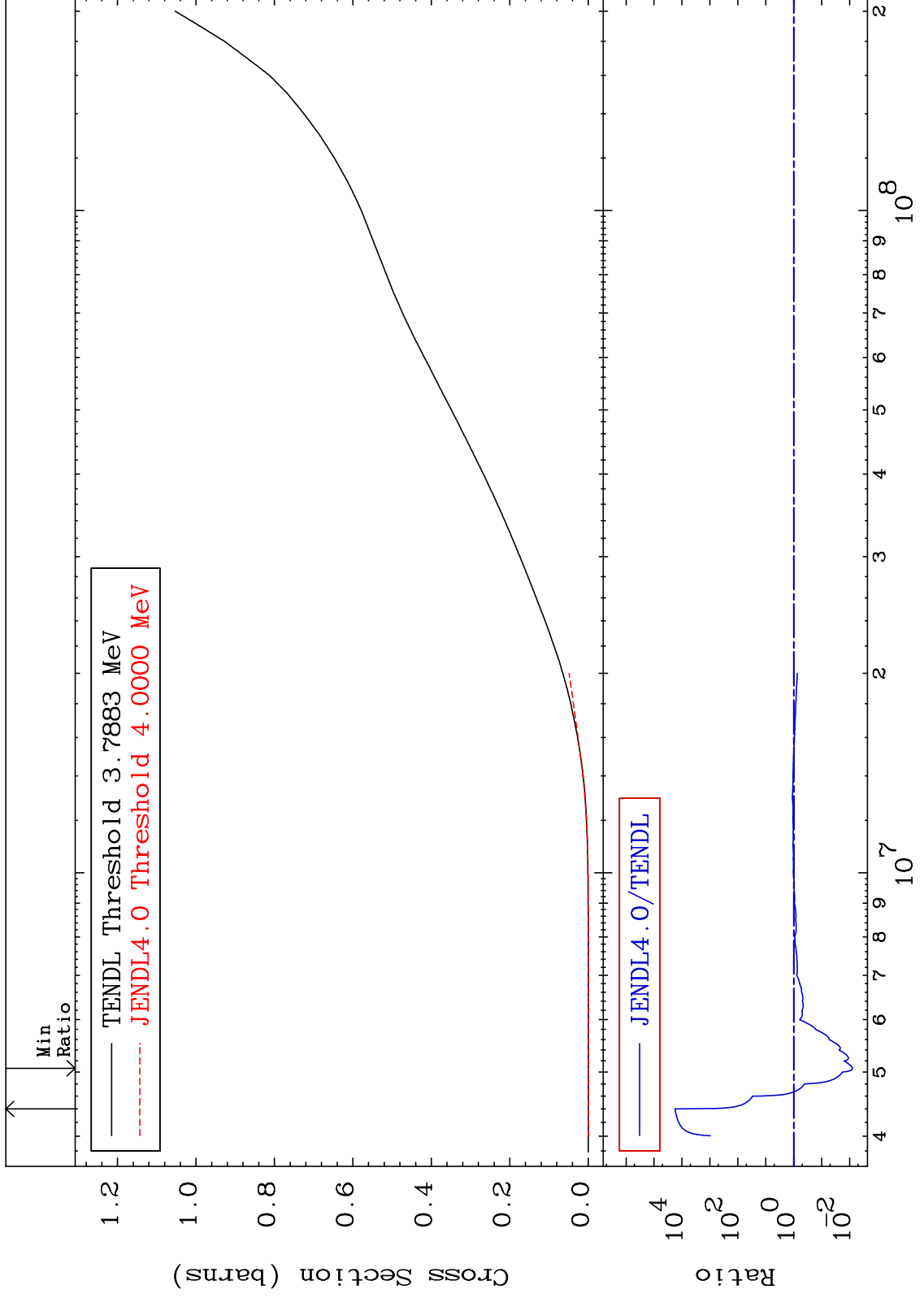
-7.964 To 9999. %



MAT 4443

Hydrogen Production
Cross Section

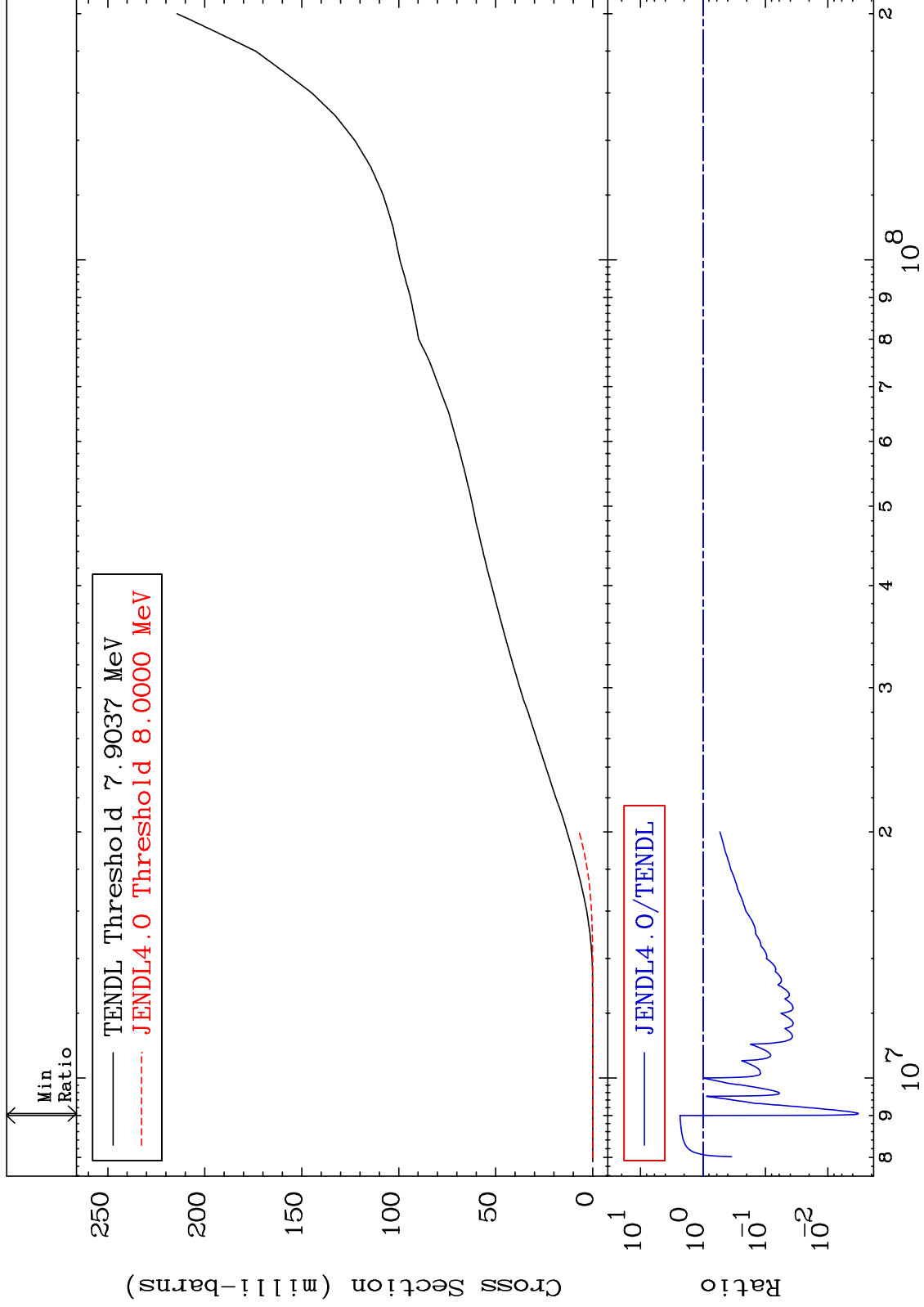
44-Ru-102
-99.20 To 9999. %



MAT 4443

Deuterium Production
Cross Section

44-Ru-102
-99.68 To 133.1 %



32

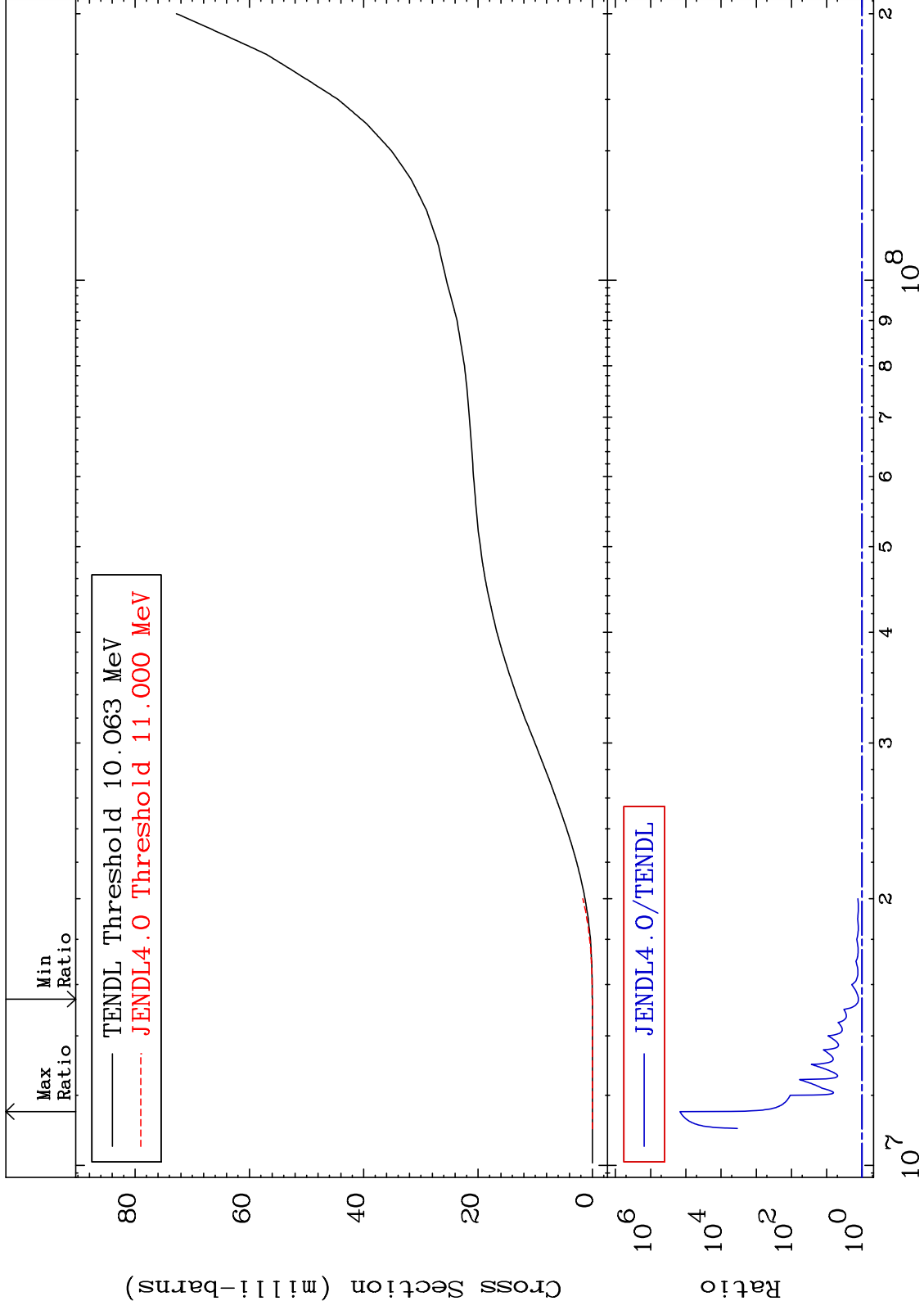
Incident Energy (eV)

44-Ru-102

MAT 4443

Tritium Production
Cross Section

44-Ru-102
26.37 To 9999. %



Max Ratio
Min Ratio

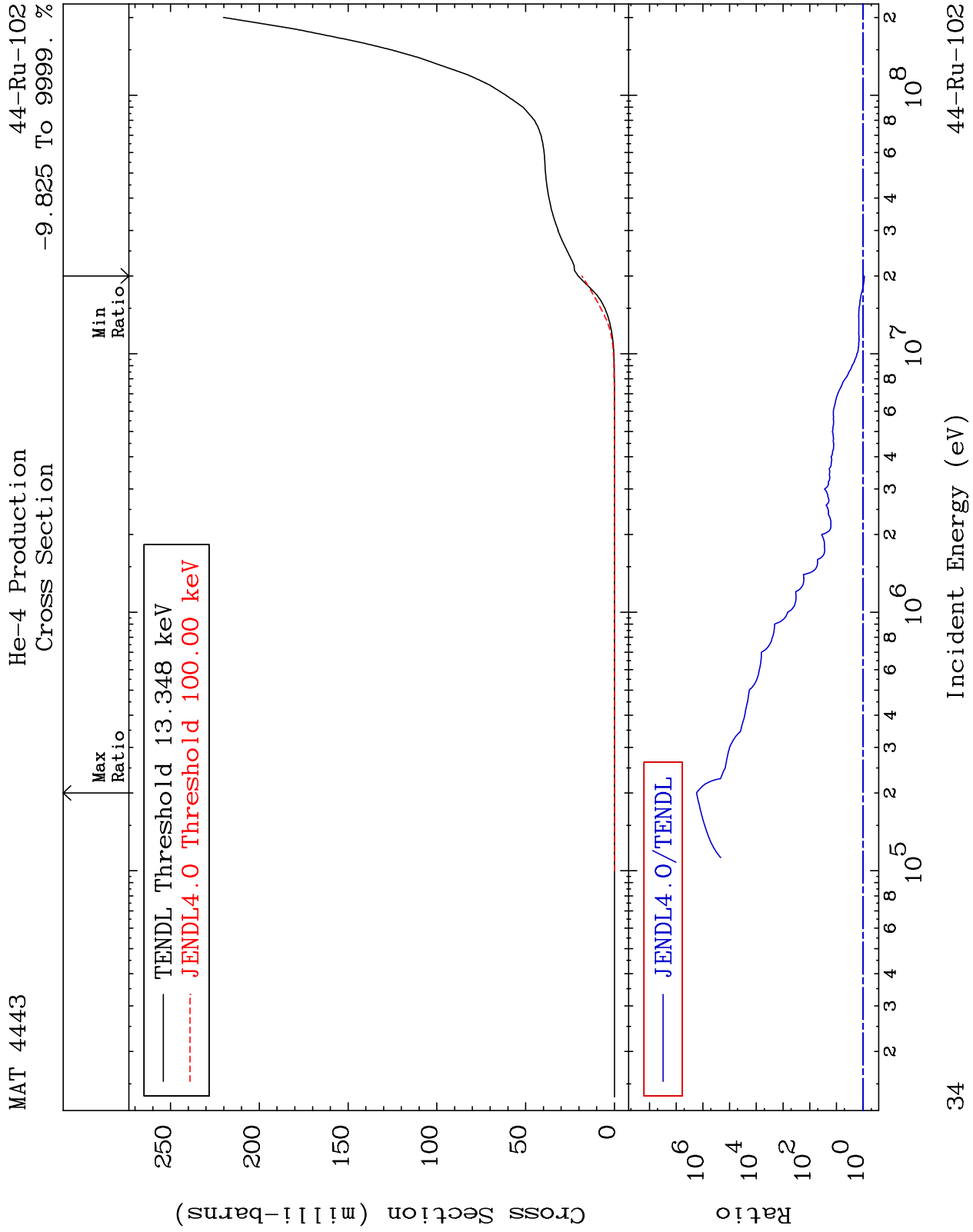
— TENDL Threshold 10.063 MeV
- - - JENDL4.0 Threshold 11.000 MeV

— JENDL4.0/TENDL

Incident Energy (eV)

44-Ru-102

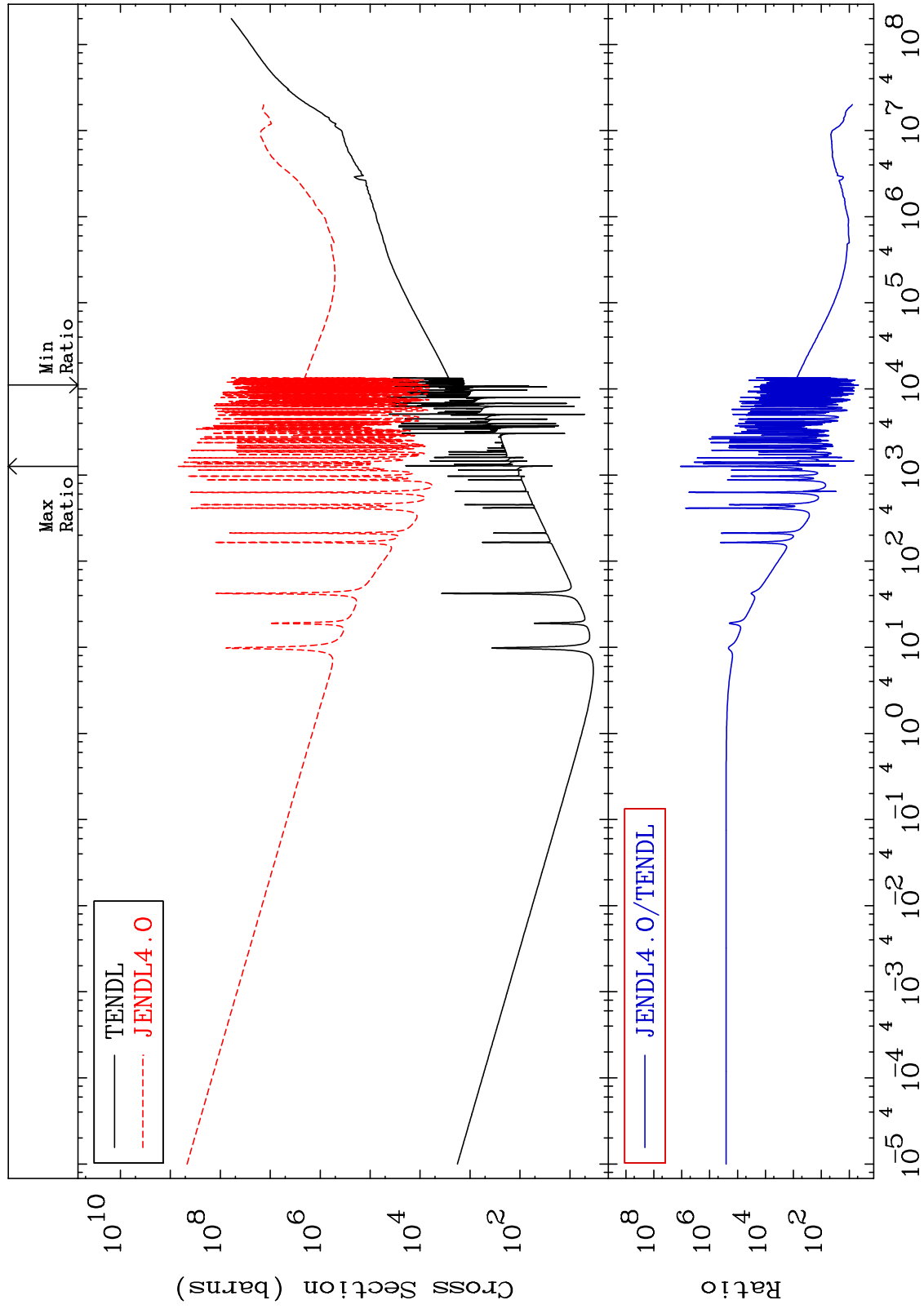
33



MAT 4443

Kerma total (eV-barns)
Cross Section

44-Ru-102
365.2 To 9999. %



35

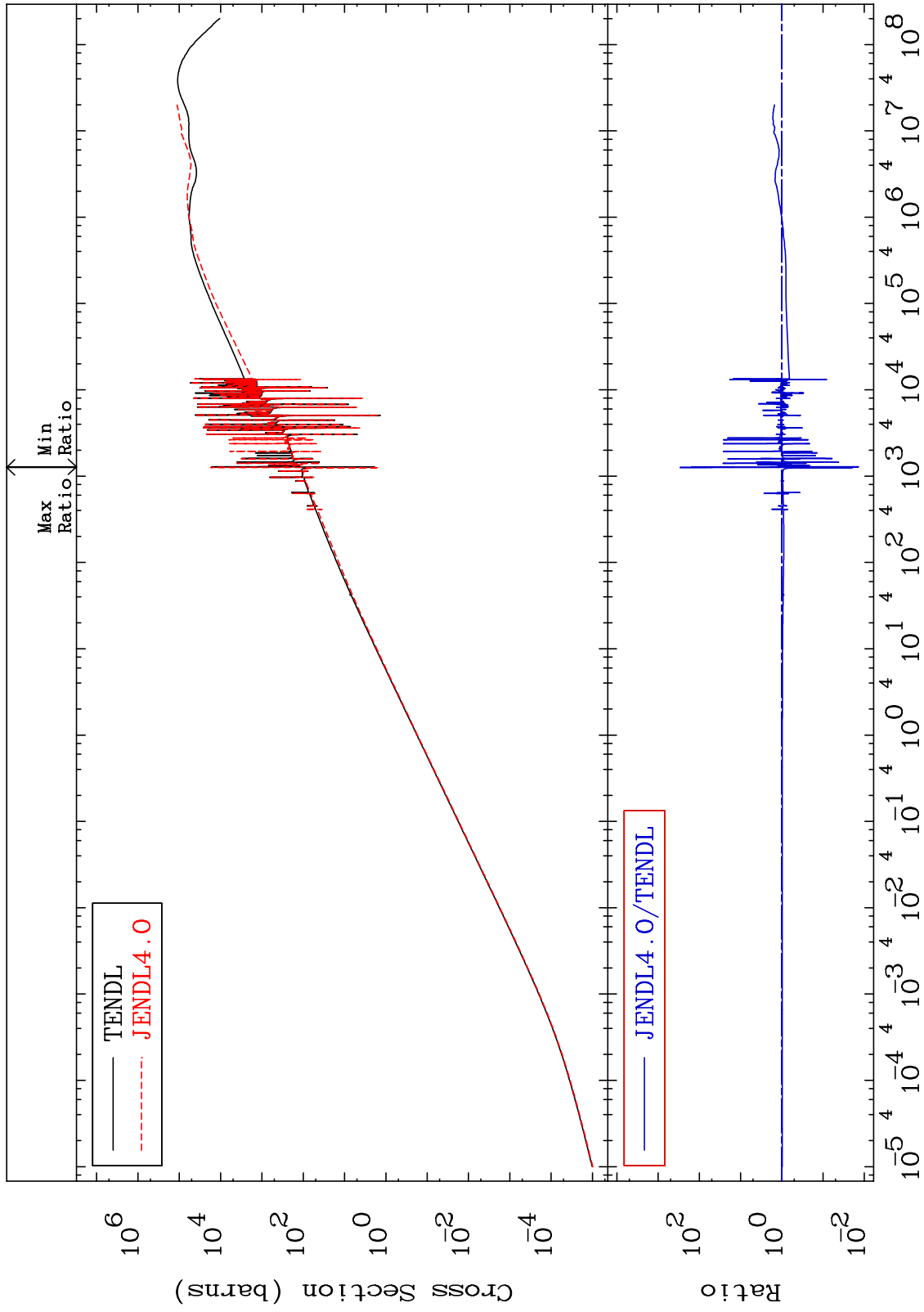
Incident Energy (eV)

44-Ru-102

MAT 4443

Kerma elastic
Cross Section

44-Ru-102
-98.61 To 9999. %



36

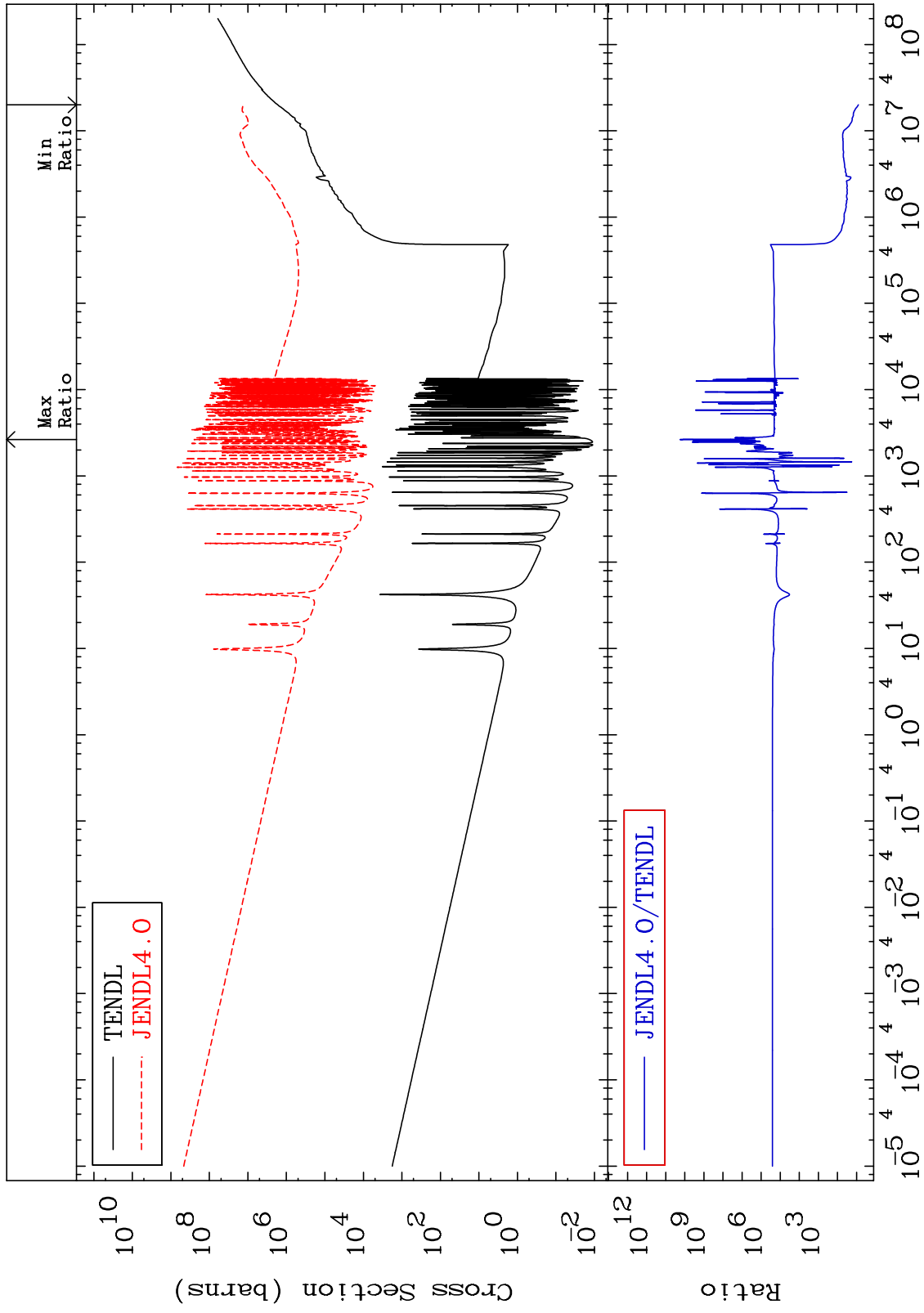
Incident Energy (eV)

44-Ru-102

MAT 4443

Kerma non-elastic (all but mt2)
Cross Section

44-Ru-102
705.9 To 9999. %



37

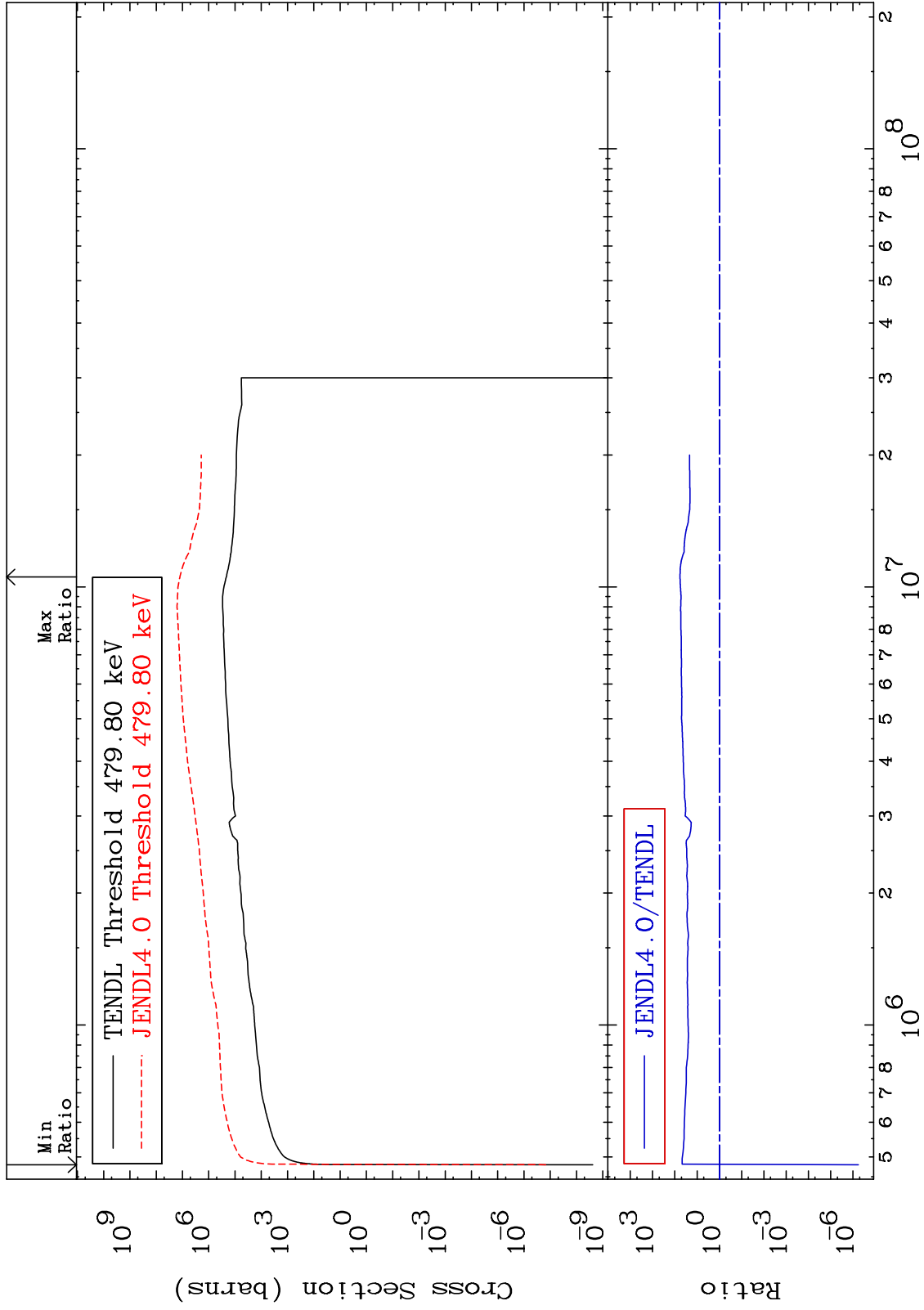
Incident Energy (eV)

44-Ru-102

MAT 4443

Kerma inelastic (mt51-91)
Cross Section

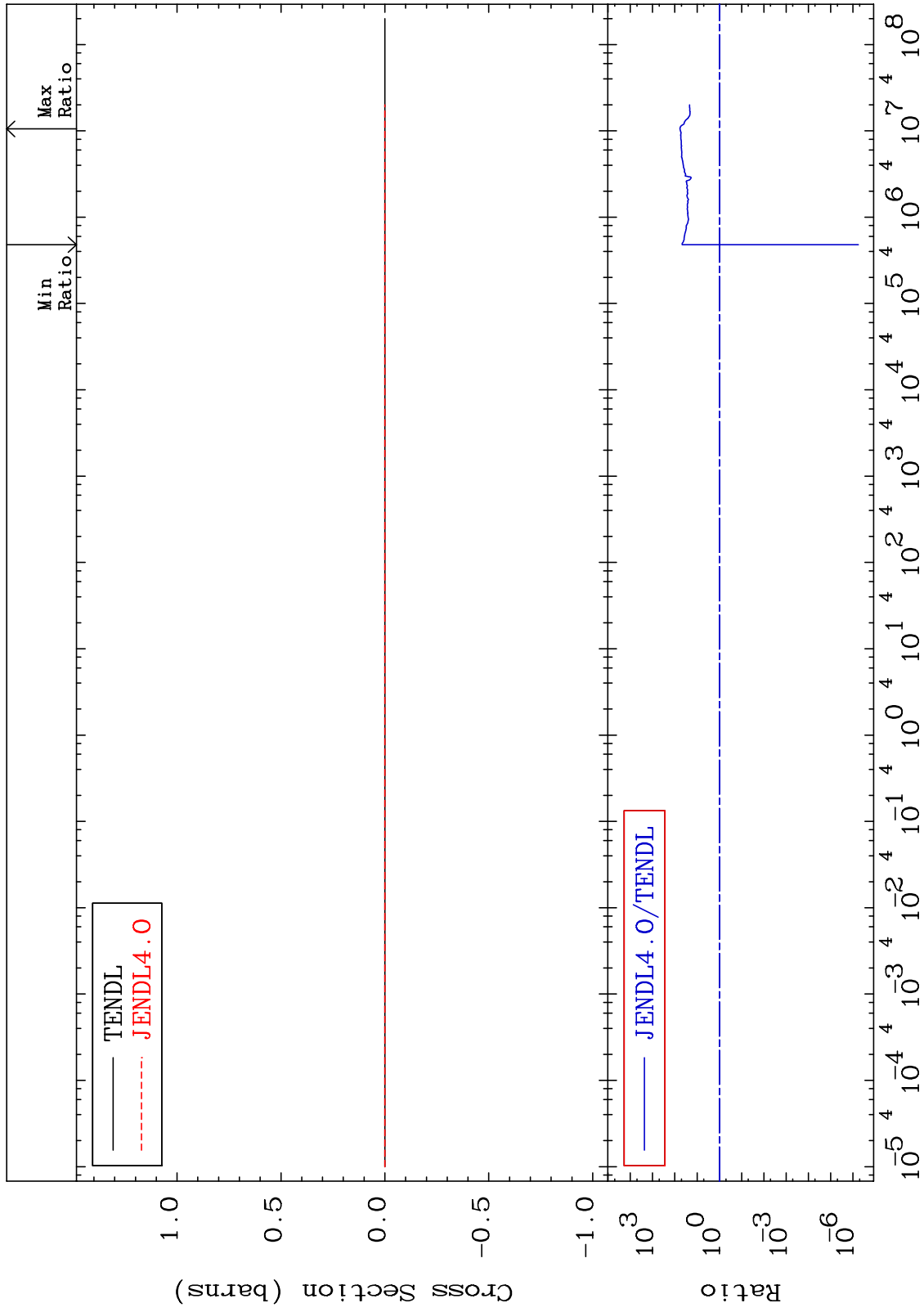
44-Ru-102
-100.0 To 5737. %



MAT 4443

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

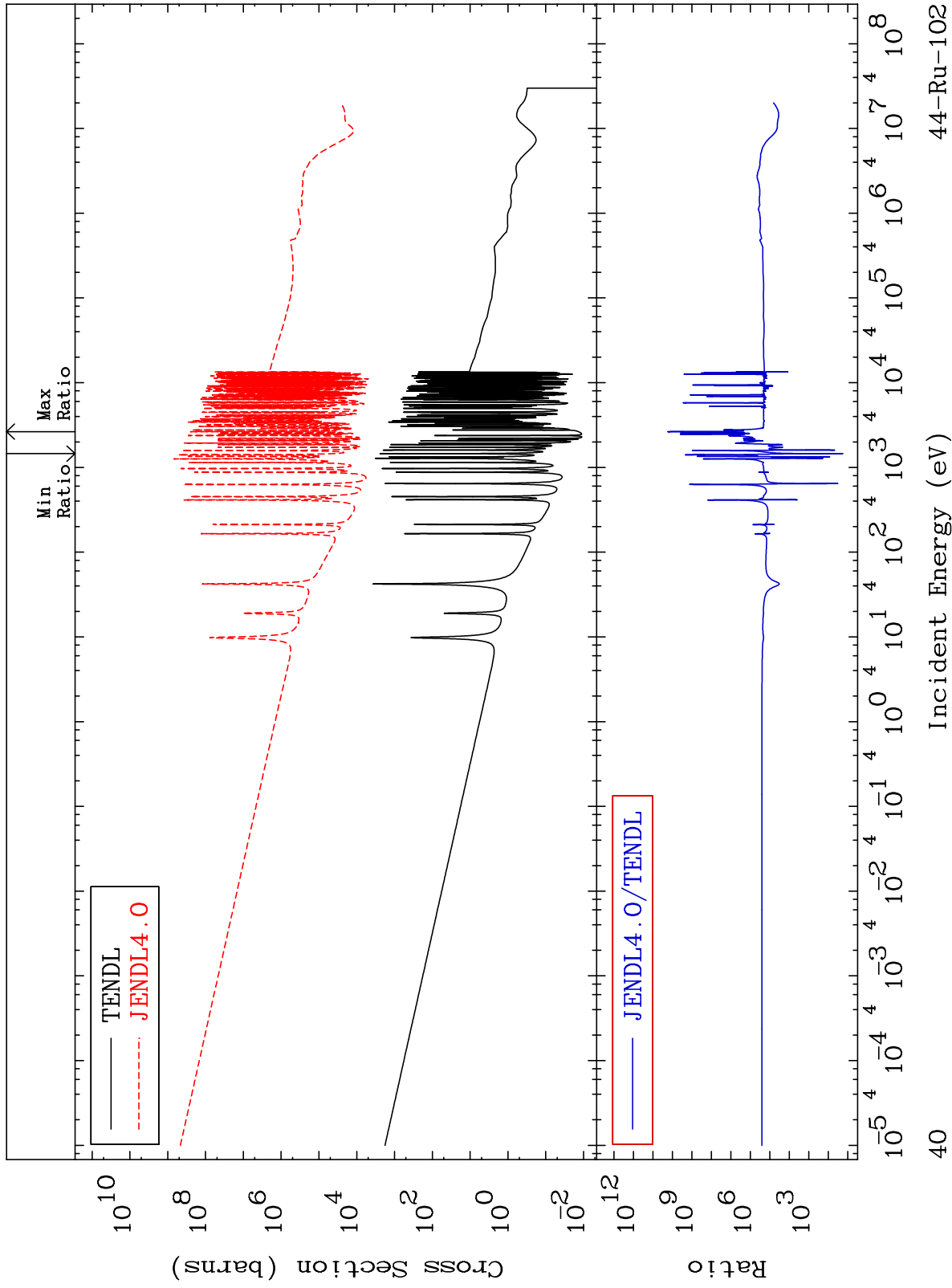
44-Ru-102
-100.0 To 5737. %



MAT 4443

Kerma capture (mt102)
Cross Section

44-Ru-102
1722. To 9999. %



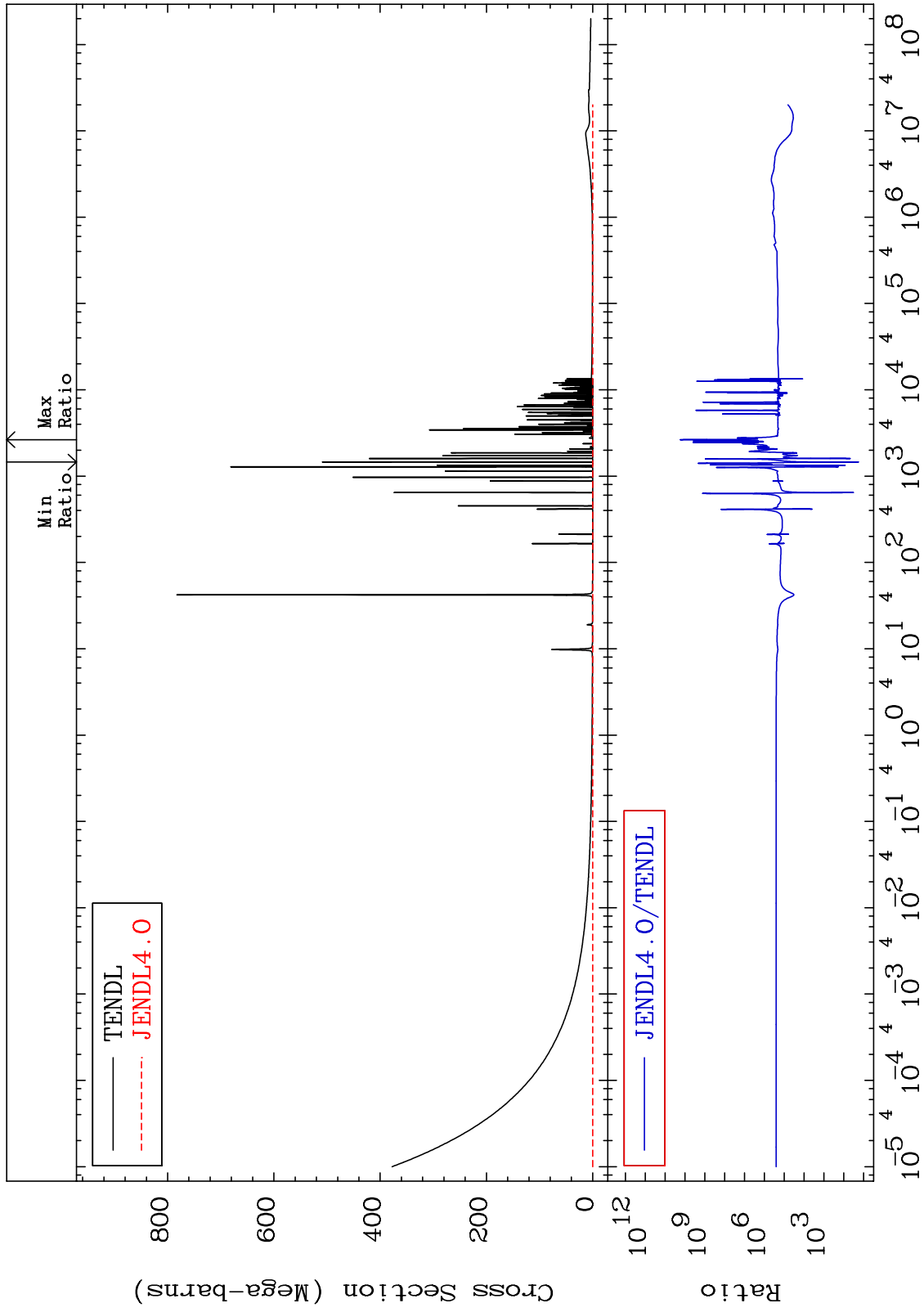
40

44-Ru-102

MAT 4443

Total photon (eV-barns)
Cross Section

44-Ru-102
1722. To 9999. %



41

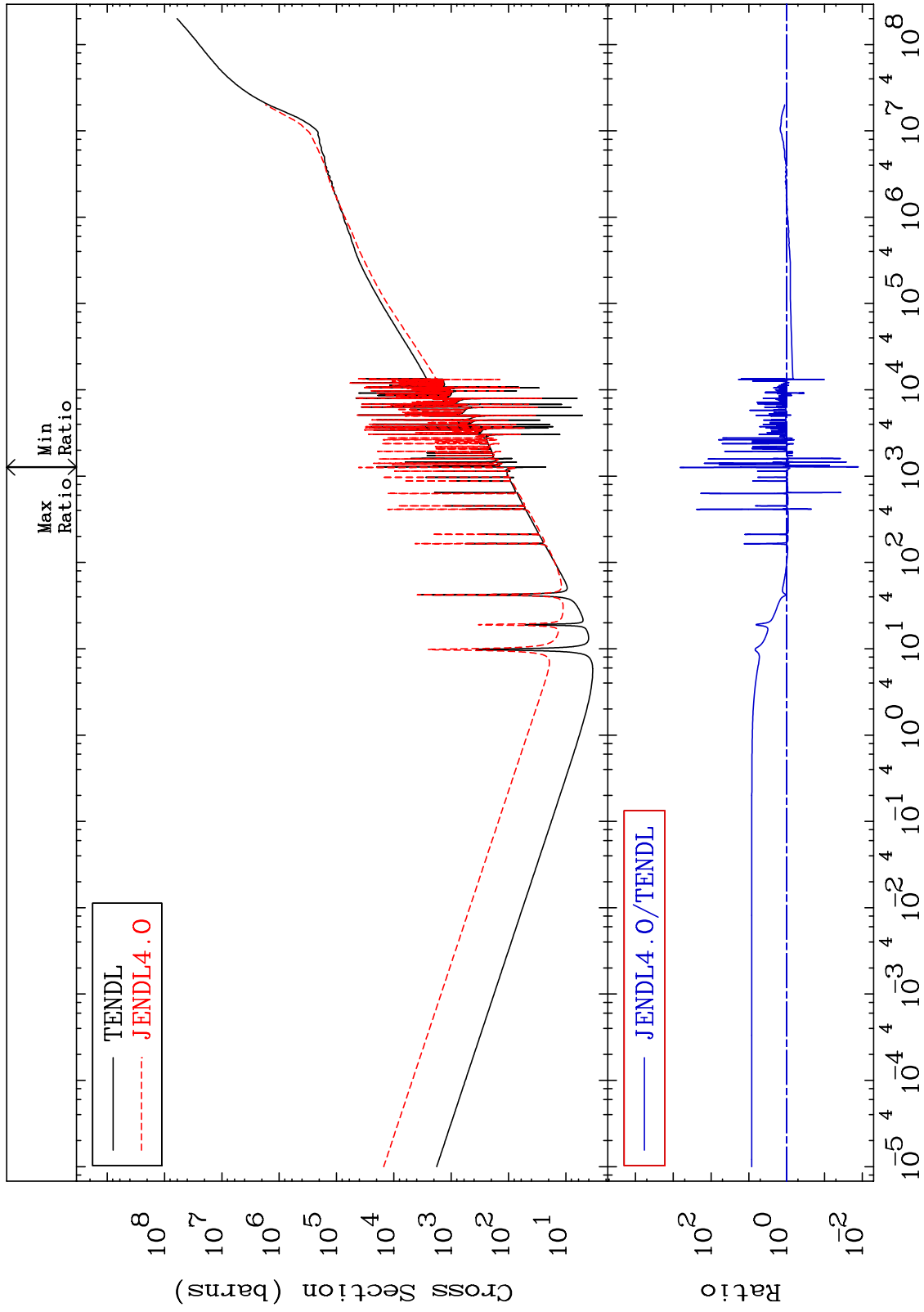
Incident Energy (eV)

44-Ru-102

MAT 4443

Total kinematic kerma (high limit)
Cross Section

44-Ru-102
-98.74 To 9999. %



42

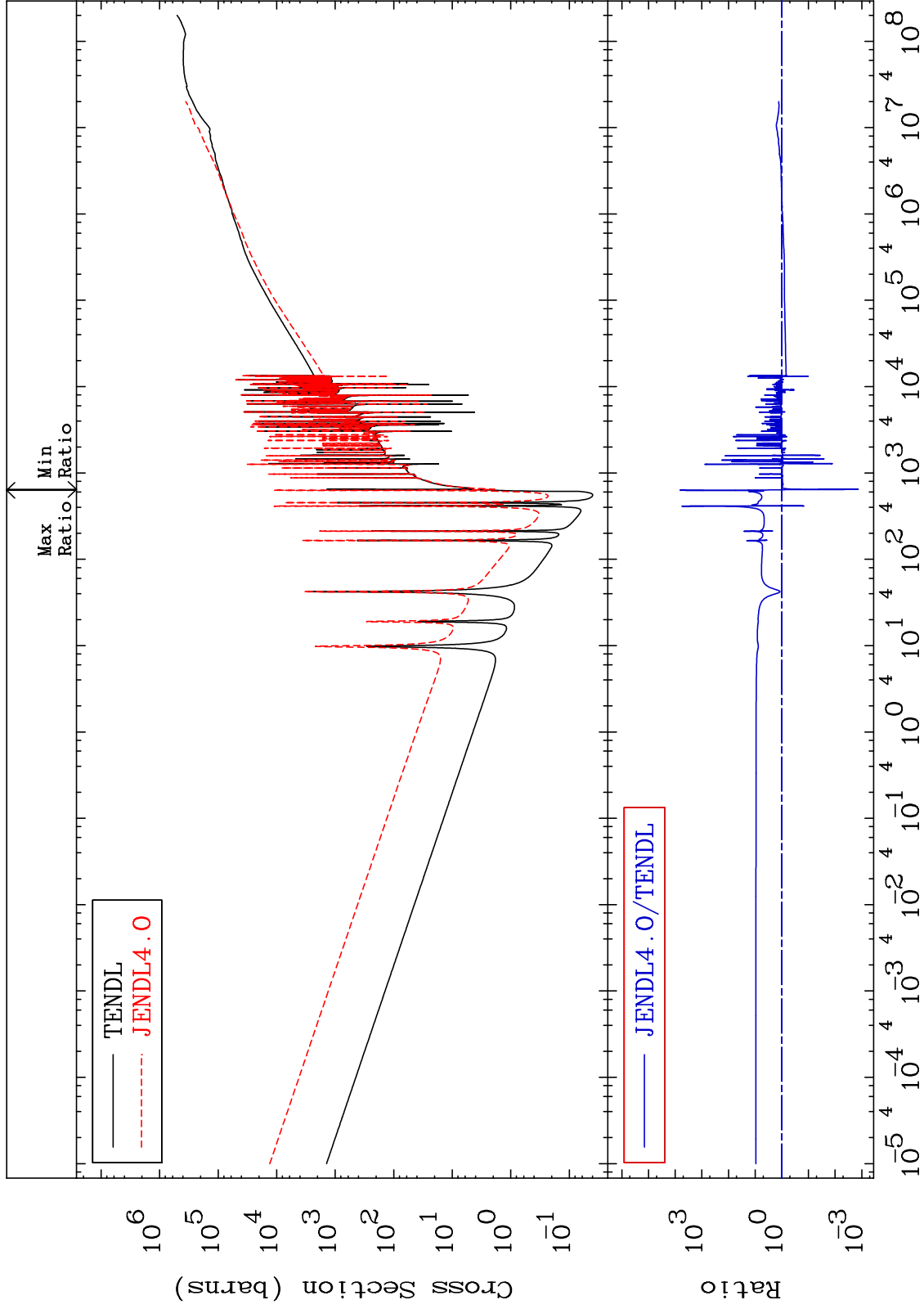
Incident Energy (eV)

44-Ru-102

MAT 4443

Dpa total (eV-barns)
Cross Section

44-Ru-102
-99.87 To 9999. %



43

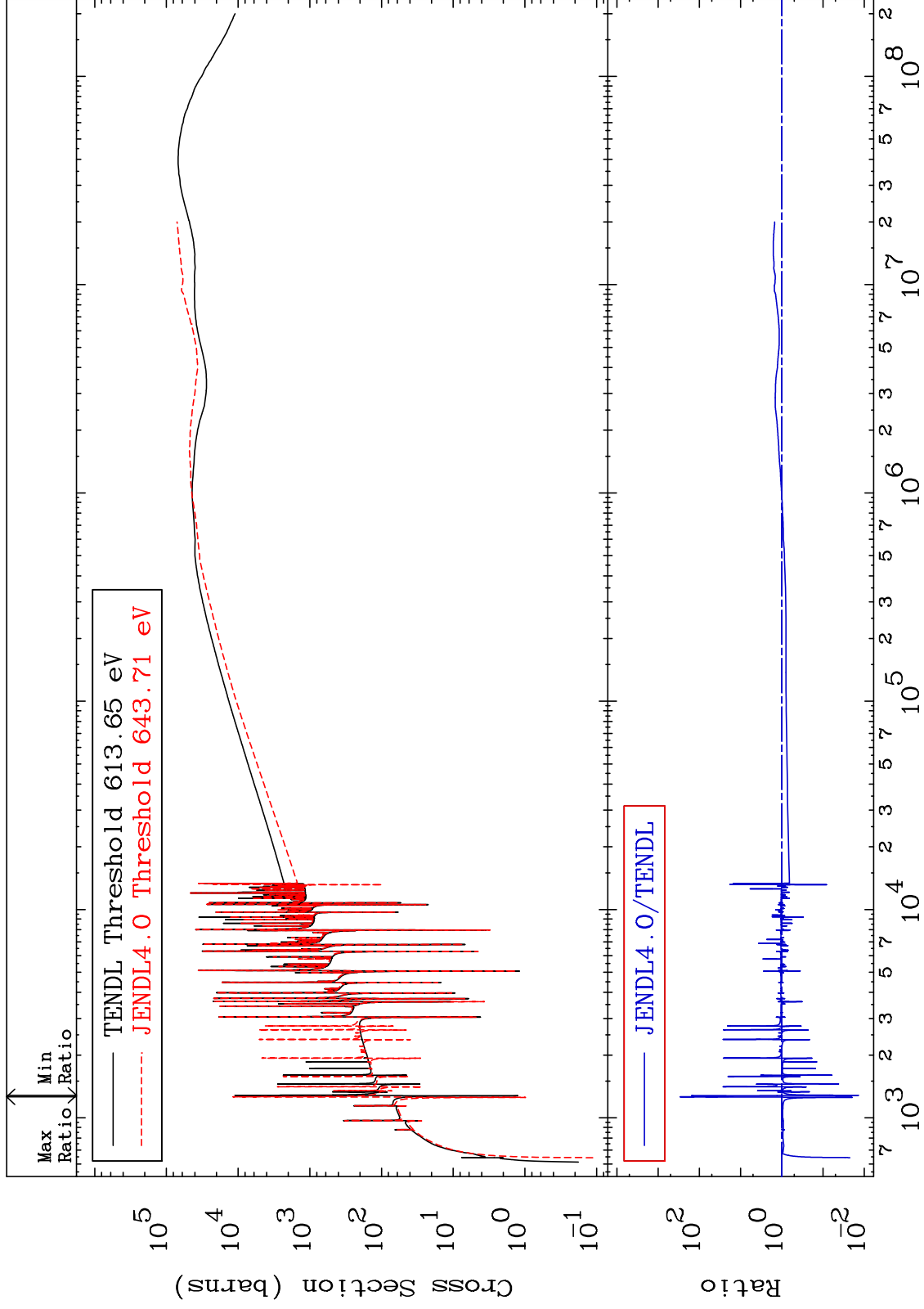
Incident Energy (eV)

44-Ru-102

MAT 4443

Dpa elastic (mt2)
Cross Section

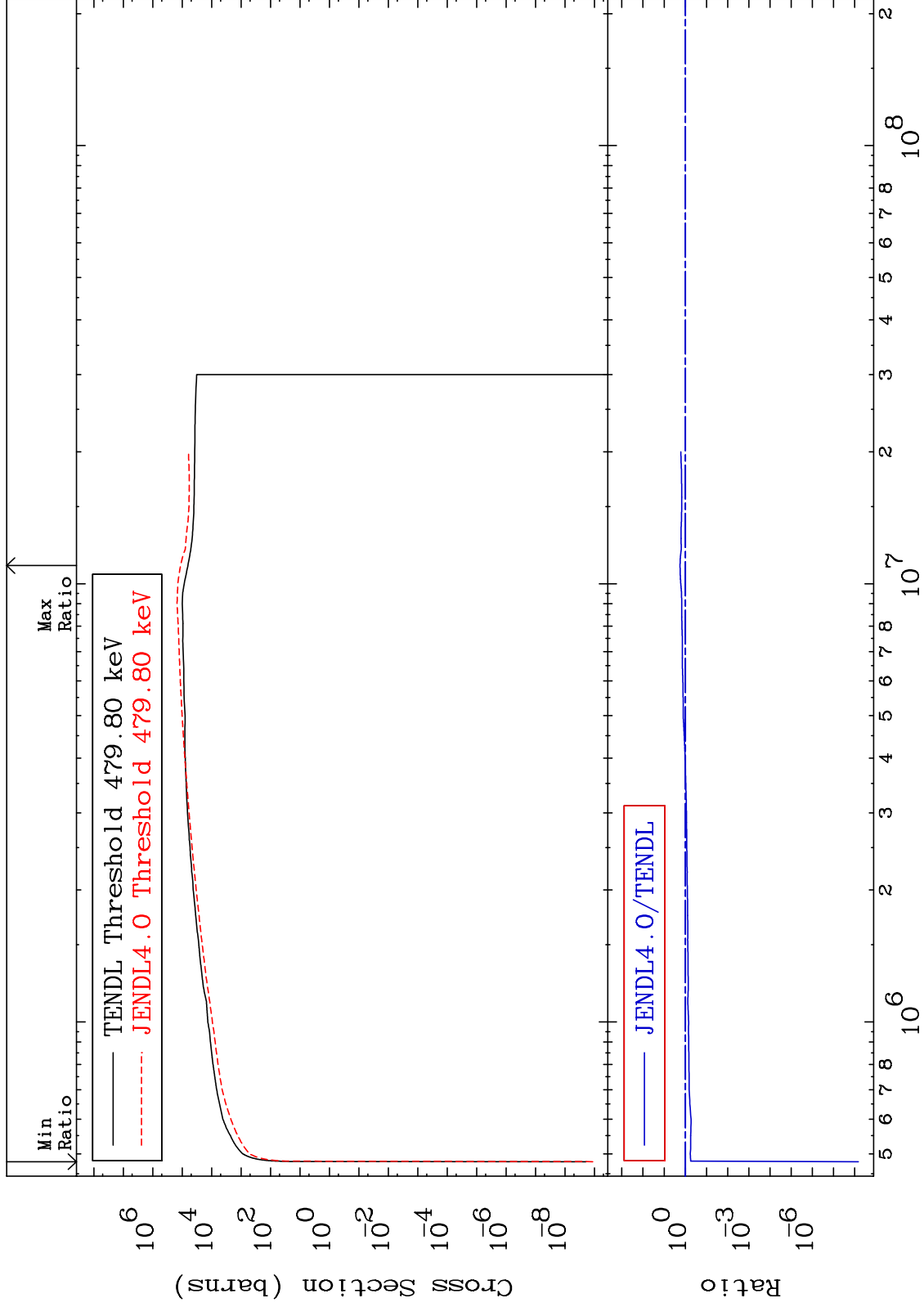
44-Ru-102
-98.62 To 9999. %



MAT 4443

Dpa inelastic (mt51-91)
Cross Section

44-Ru-102
-100.0 To 77.76 %



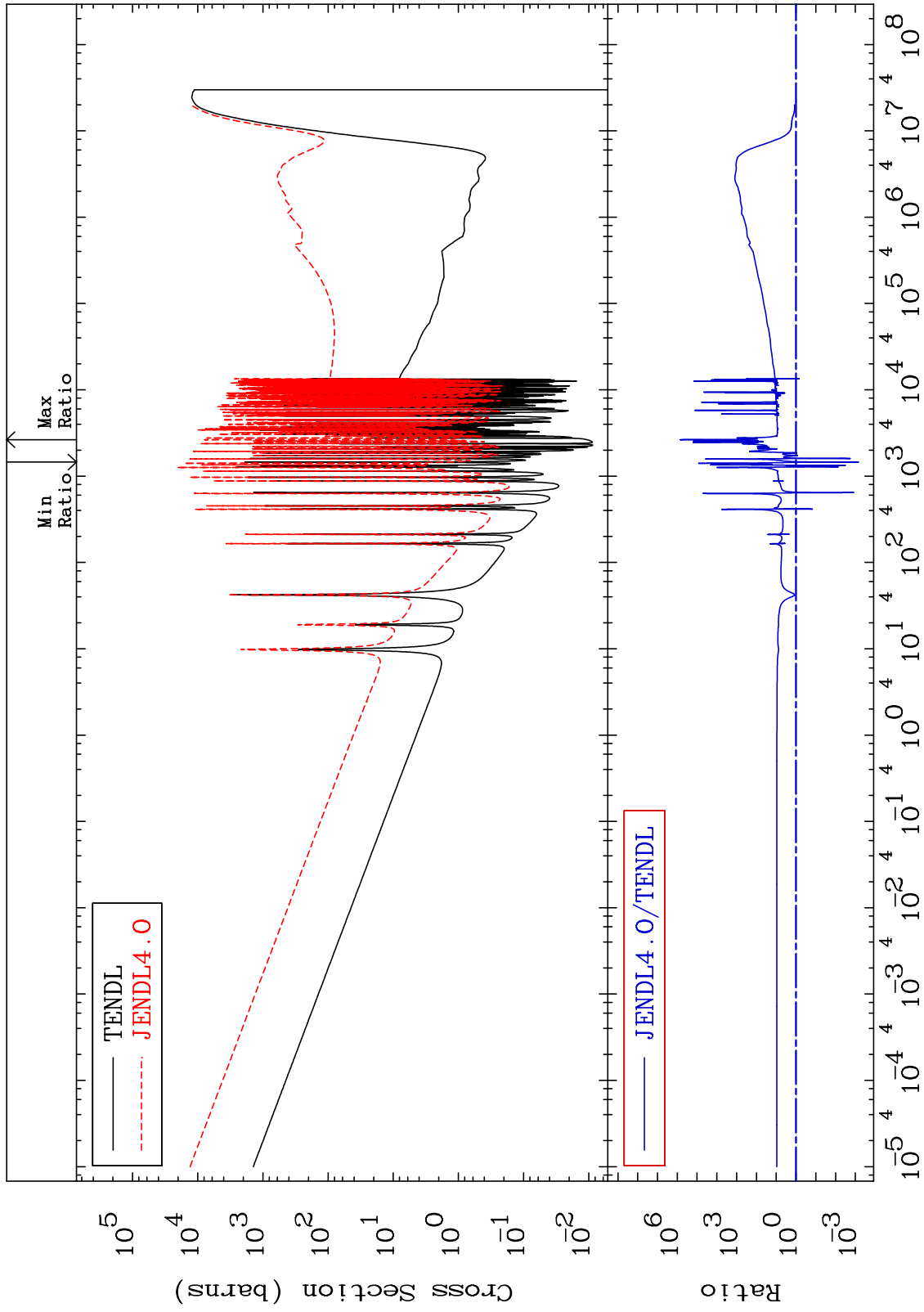
45

44-Ru-102

MAT 4443

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-102
-99.93 To 9999. %



46

Incident Energy (eV)

44-Ru-102