

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

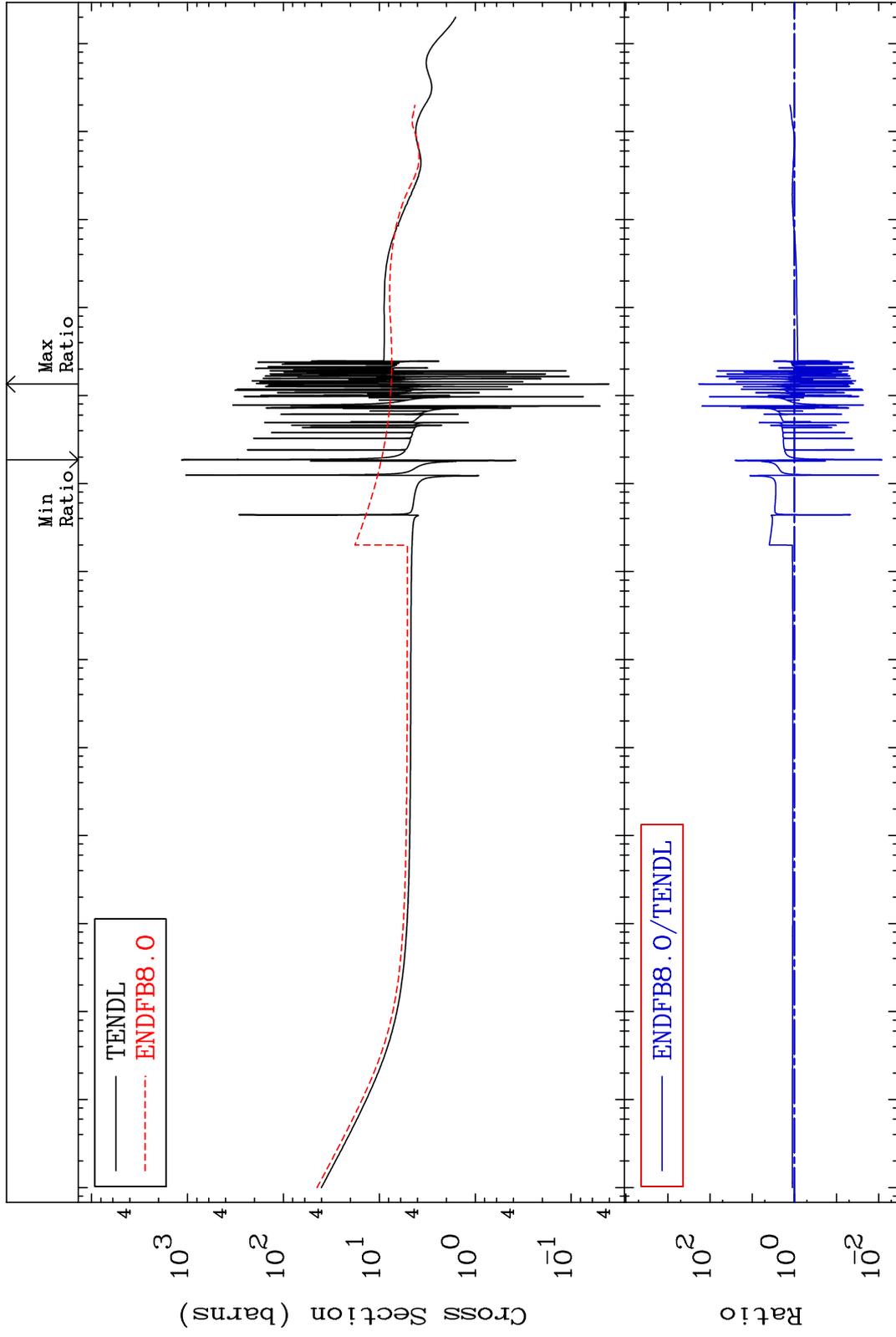
MAT 4425

Total

44-Ru-96

Cross Section

-99.17 To 9999. %



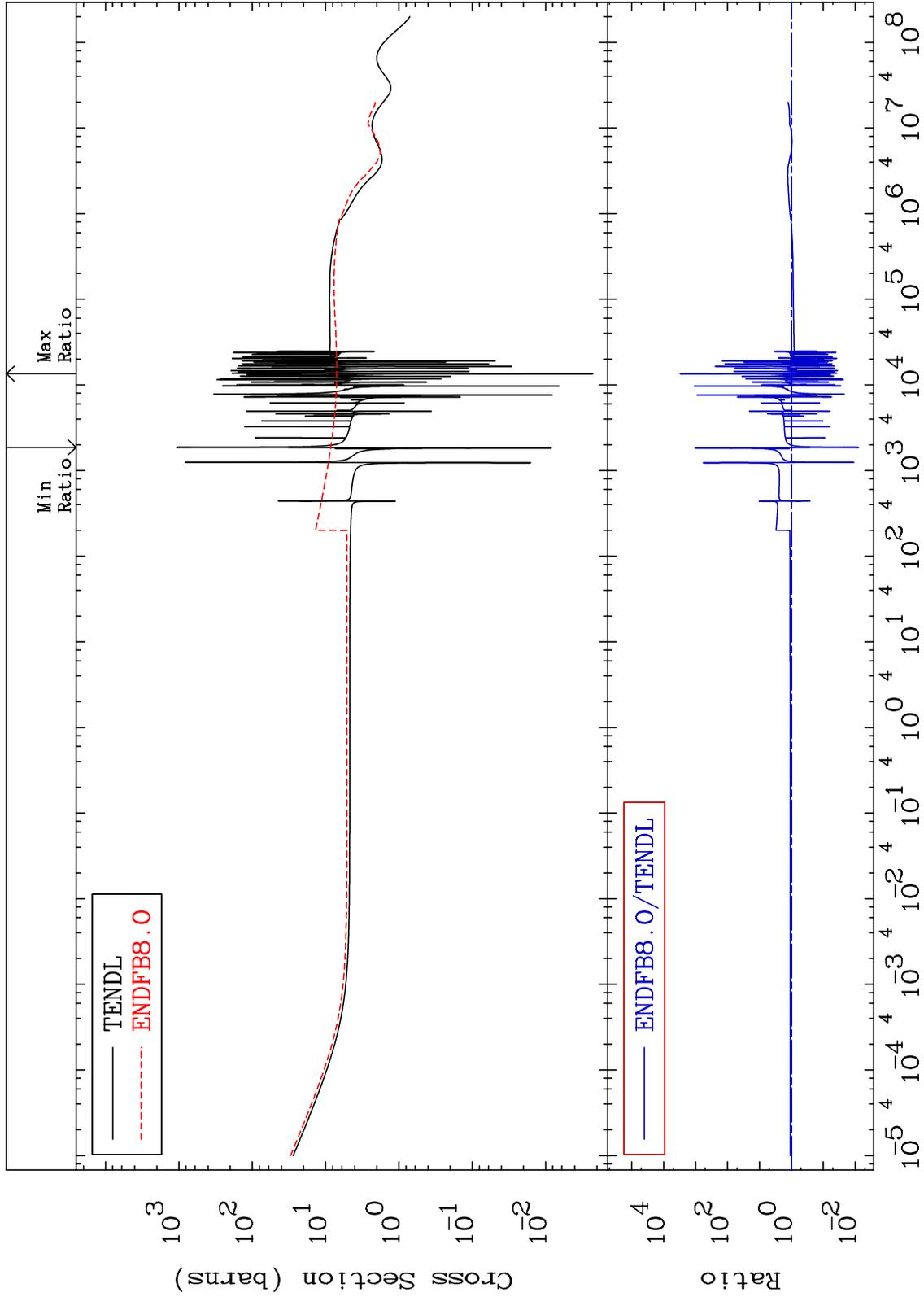
Incident Energy (eV)

44-Ru-96

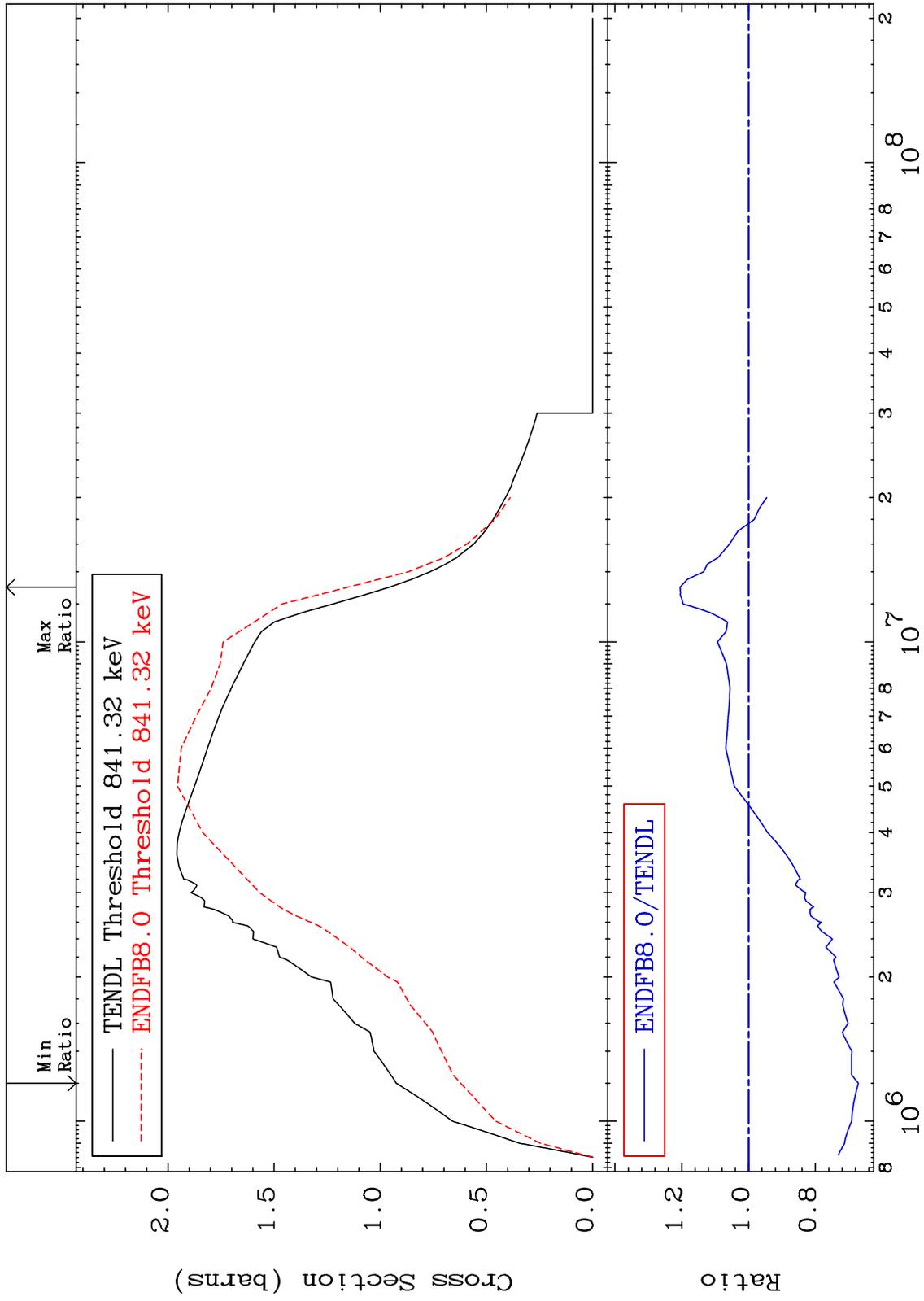
MAT 4425

Elastic
Cross Section

44-Ru-96
-99.21 To 9999. %



MAT 4425 Inelastic Cross Section 44-Ru-96 -32.85 To 20.55 %



3 Incident Energy (eV) 44-Ru-96

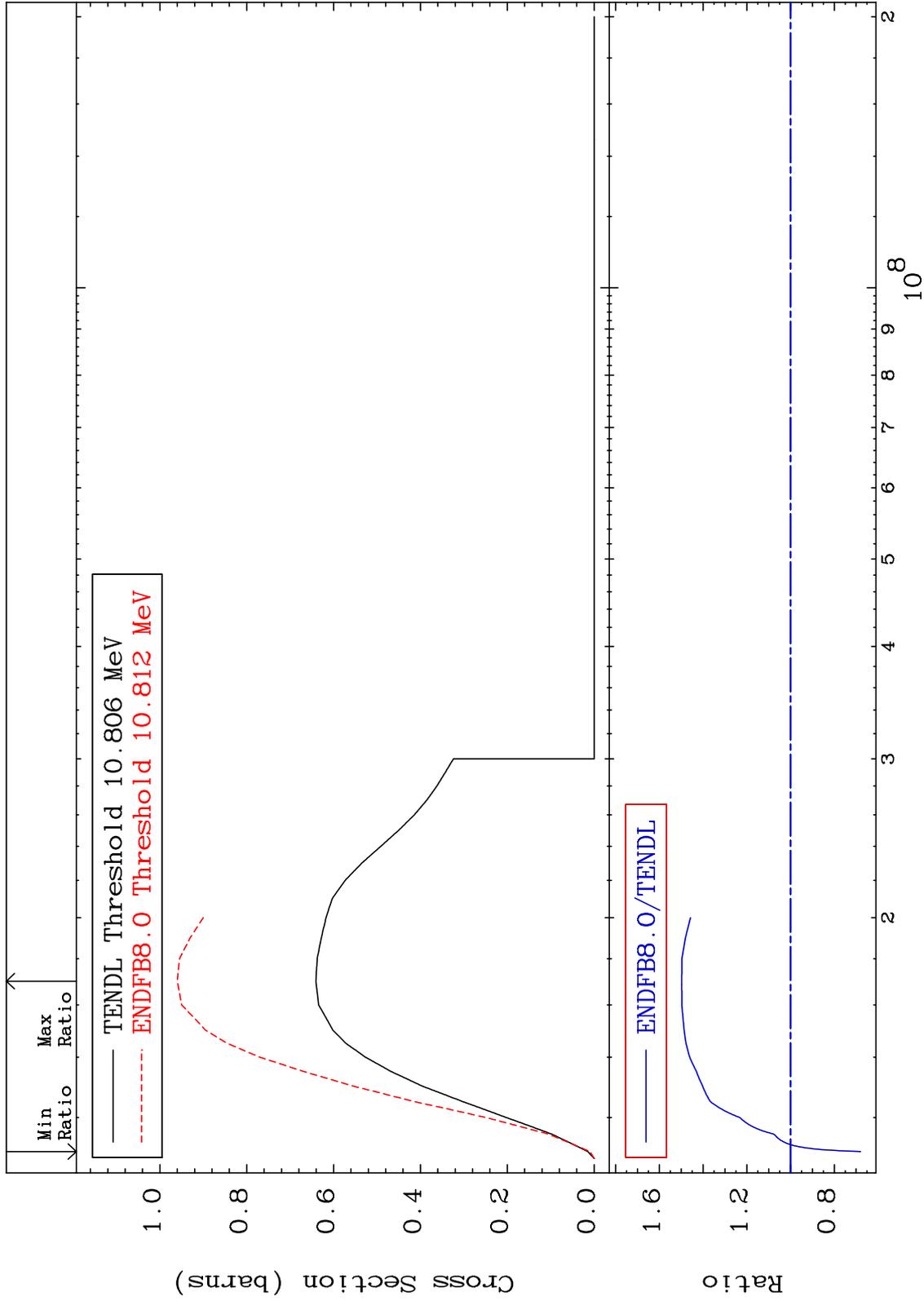
MAT 4425

(n,2n)

44-Ru-96

Cross Section

-32.08 To 49.79 %



Incident Energy (eV)

44-Ru-96

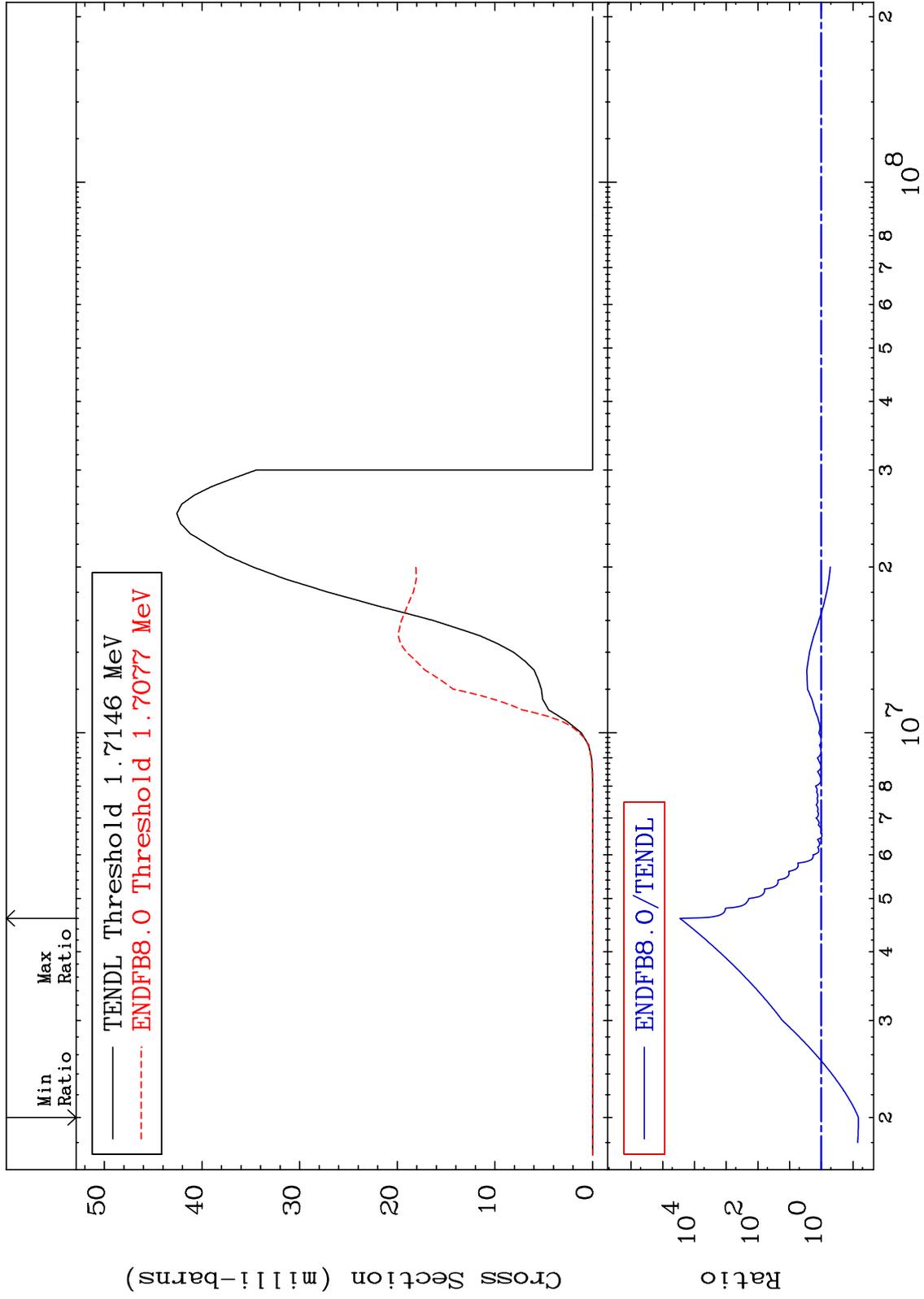
MAT 4425

(n,n') α

44-Ru-96

Cross Section

-93.22 To 9999. %



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Incident Energy (eV)

44-Ru-96

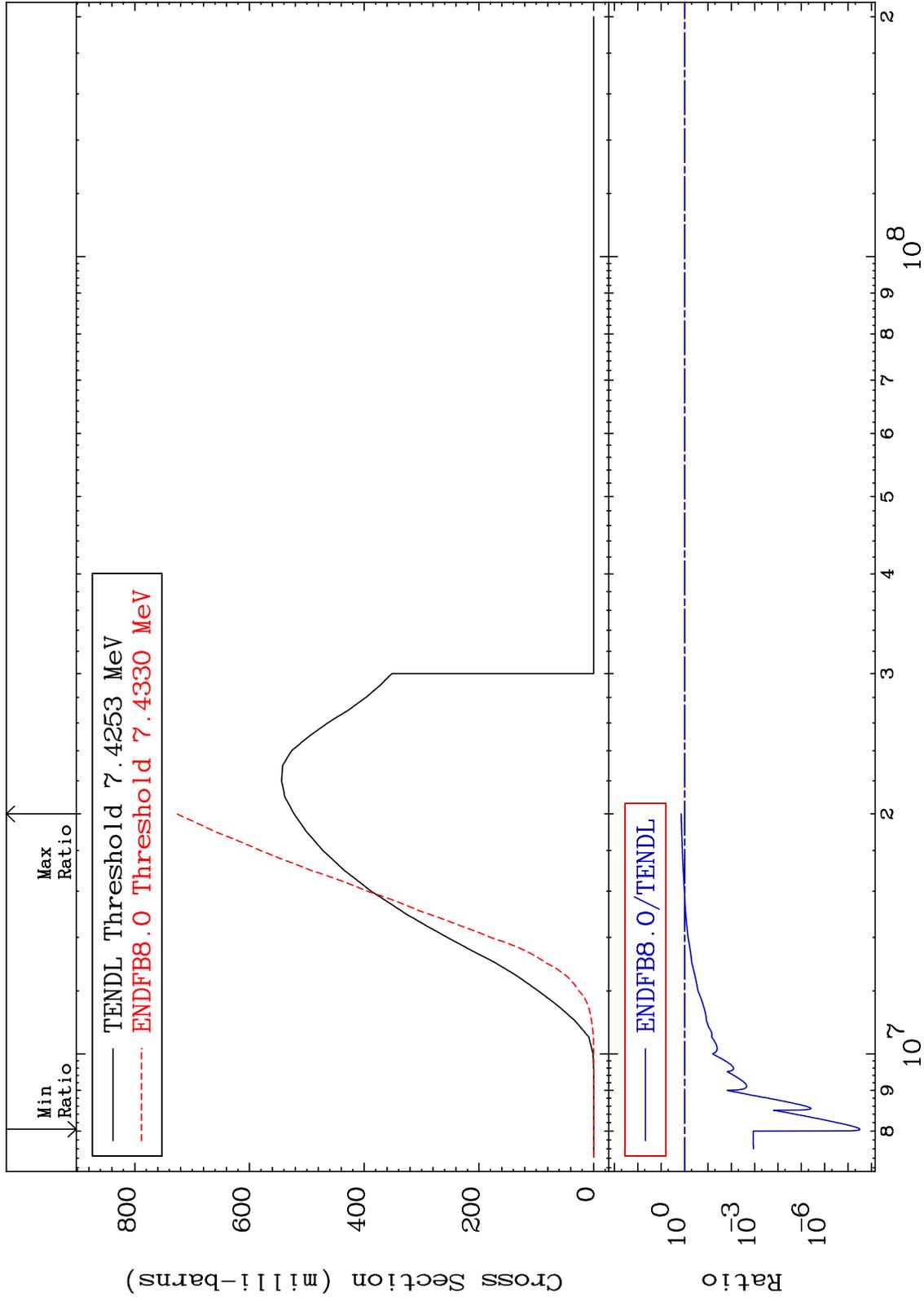
MAT 4425

(n,n') p

44-Ru-96

Cross Section

-100.0 To 39.02 %



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Incident Energy (eV)

44-Ru-96

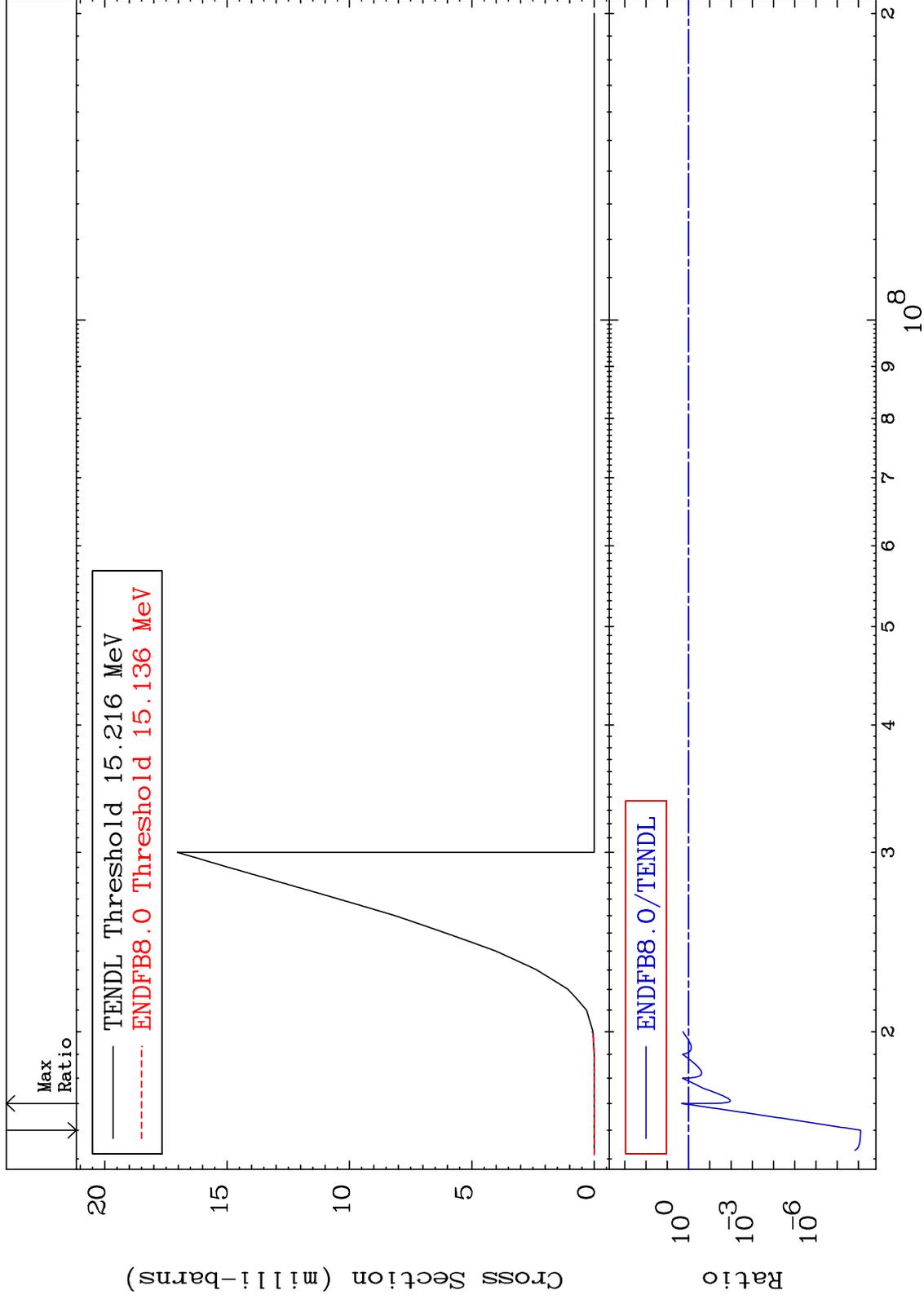
MAT 4425

(n, n') d

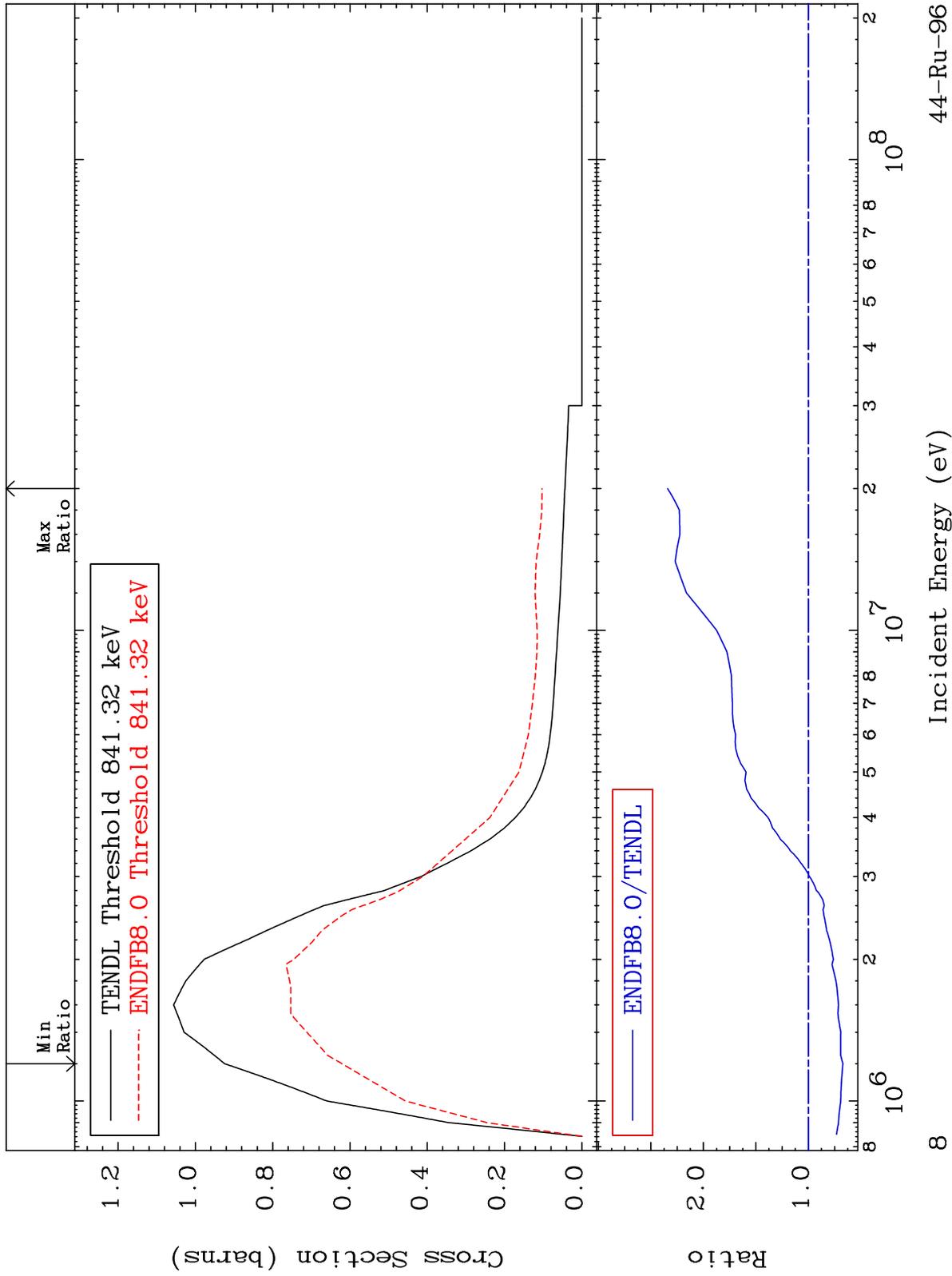
44-Ru-96

Cross Section

-100.0 To 108.1 %



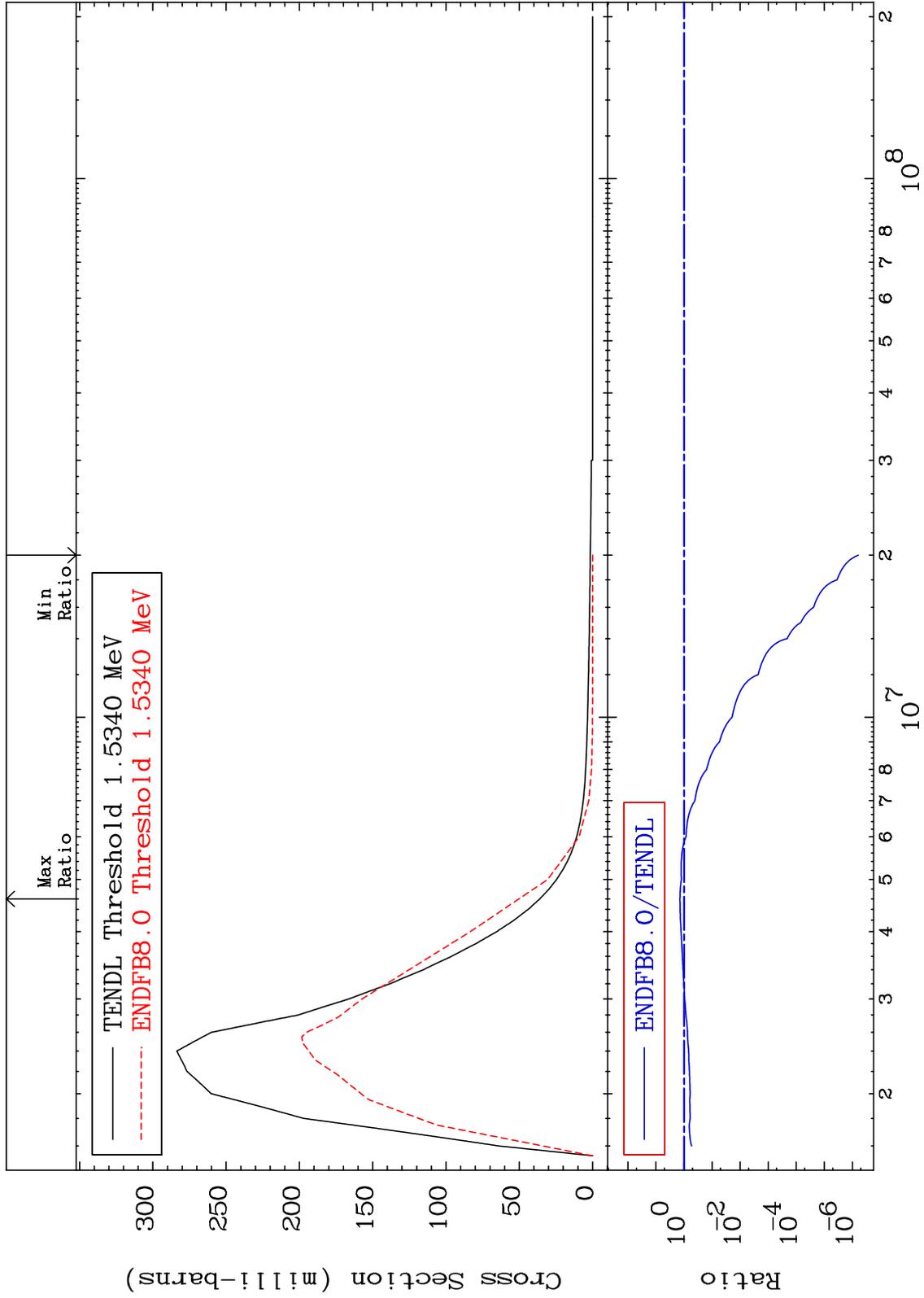
MAT 4425
MT= 51 (n, n') Level
Cross Section
44-Ru-96
-32.85 To 134.1 %



MAT 4425

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

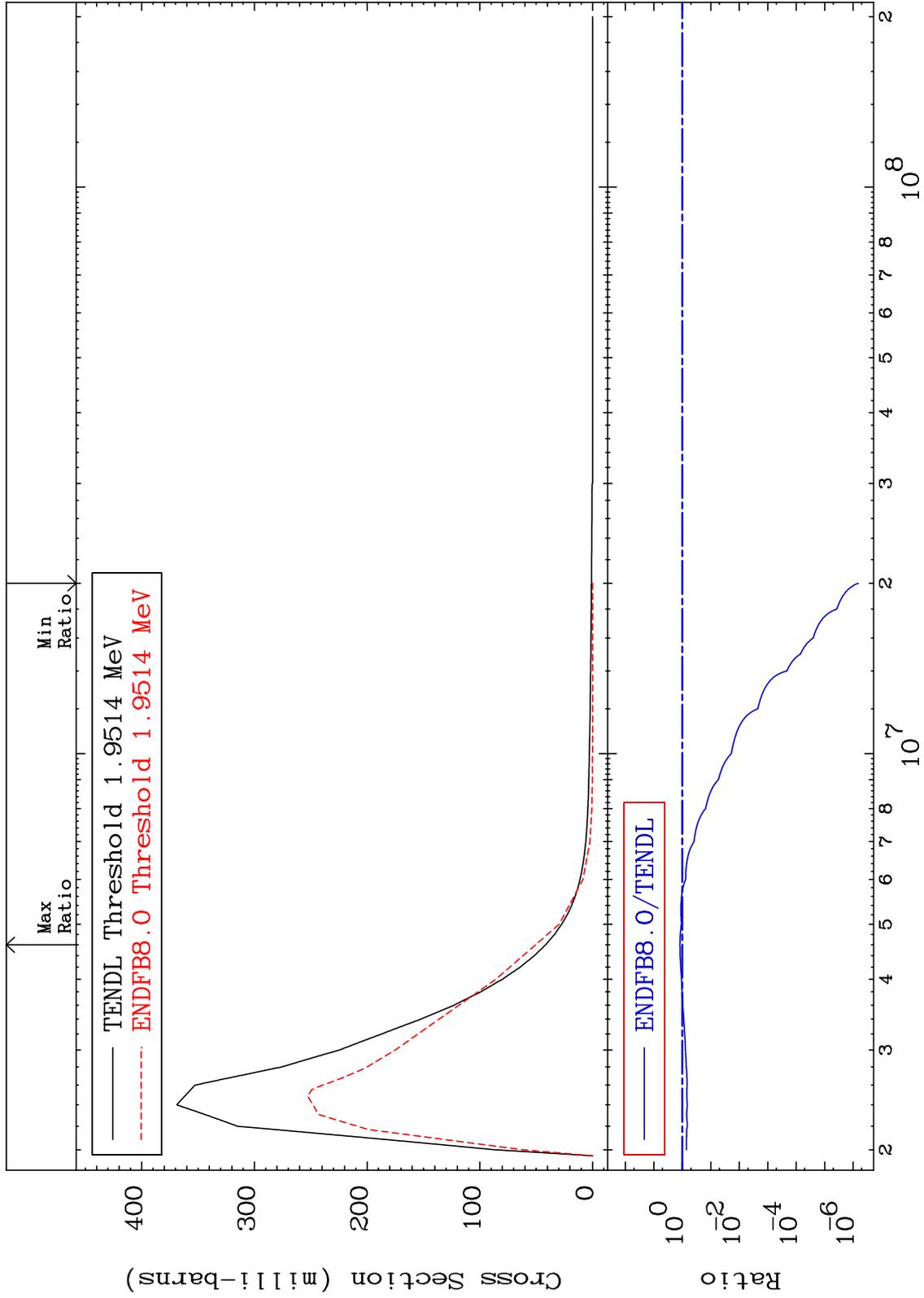
44-Ru-96
-100.0 To 39.77 %



MAT 4425

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

44-Ru-96
-100.0 To 21.47 %



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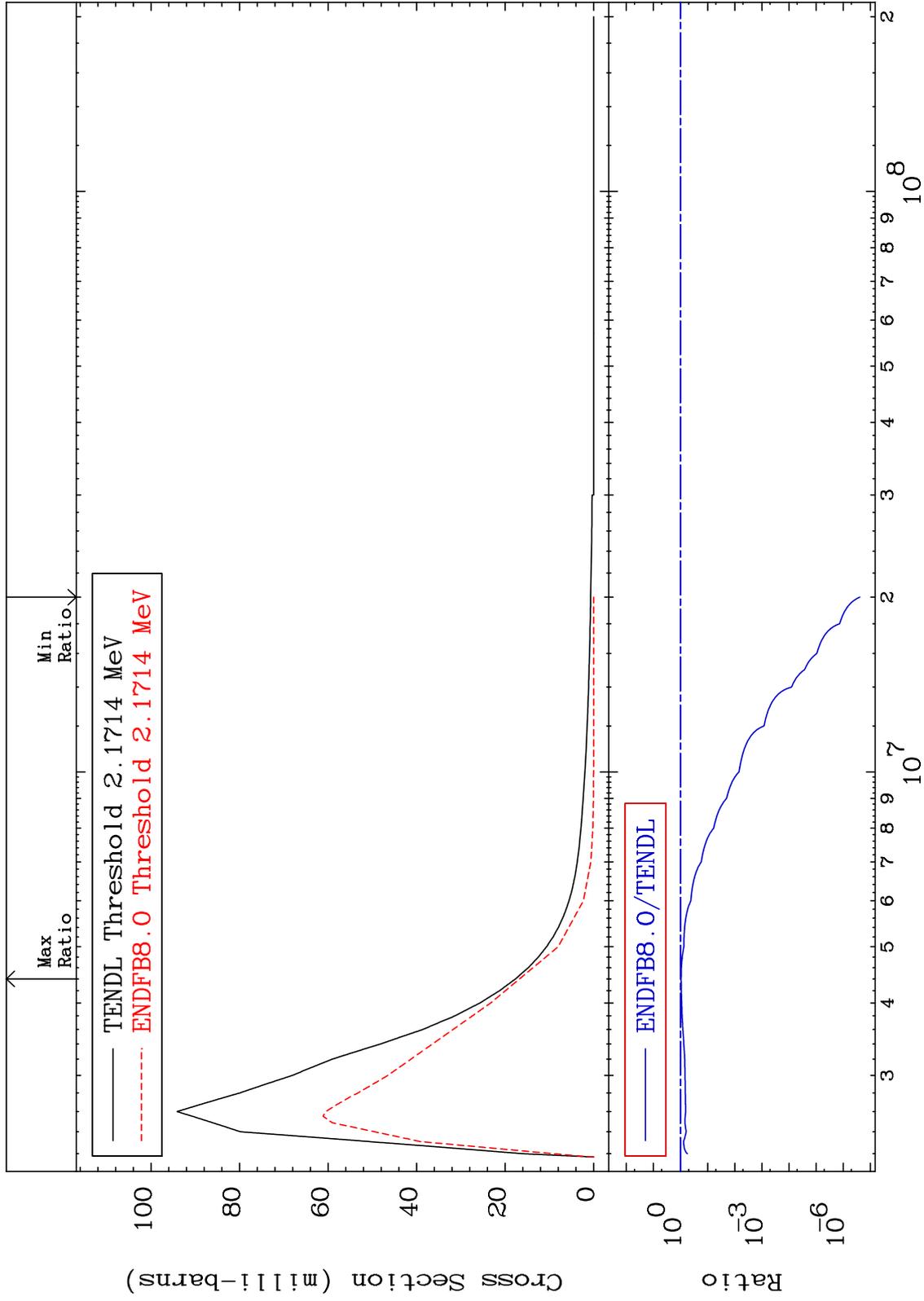
Incident Energy (eV)

44-Ru-96

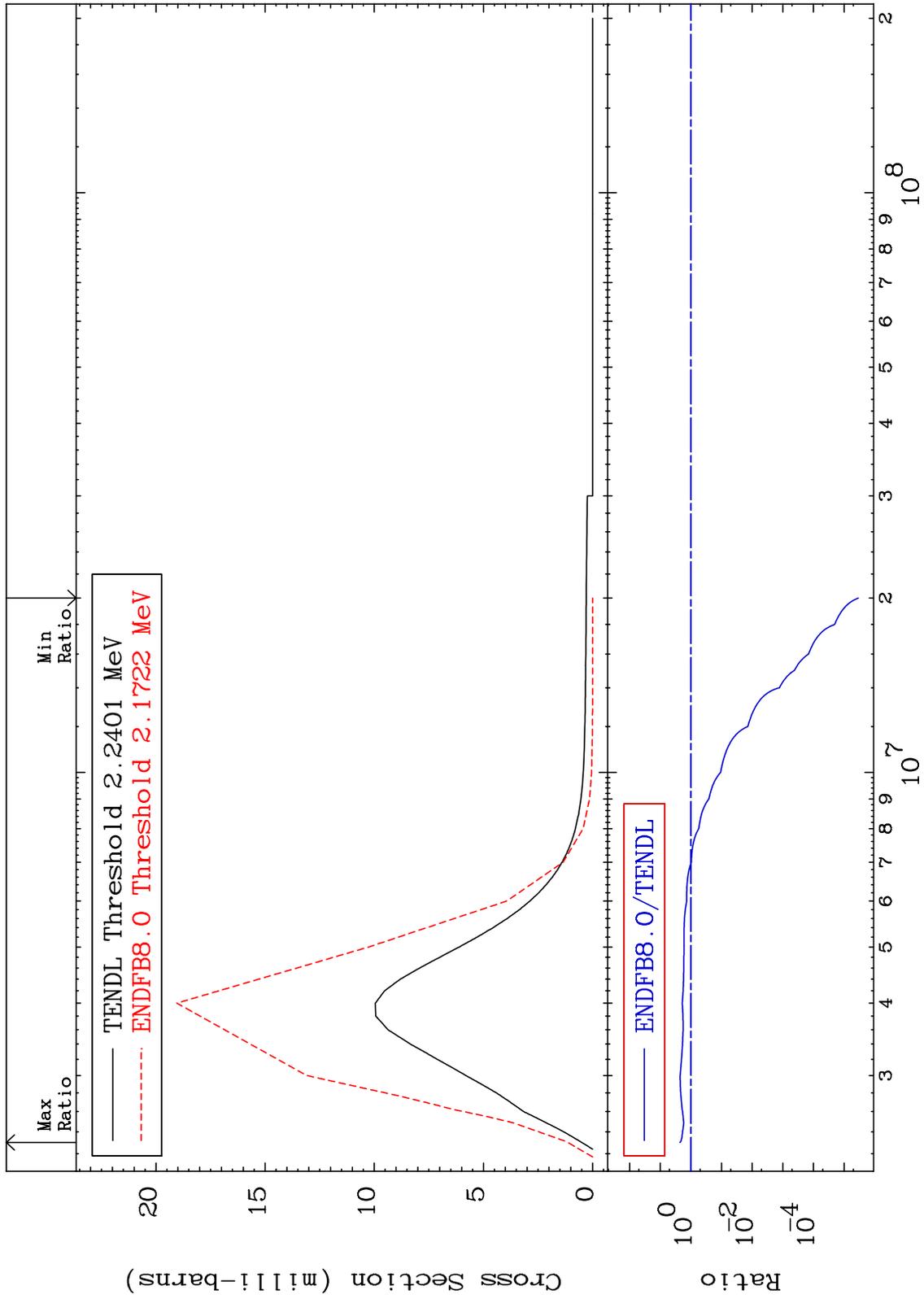
MAT 4425

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

44-Ru-96
-100.0 To -5.142%



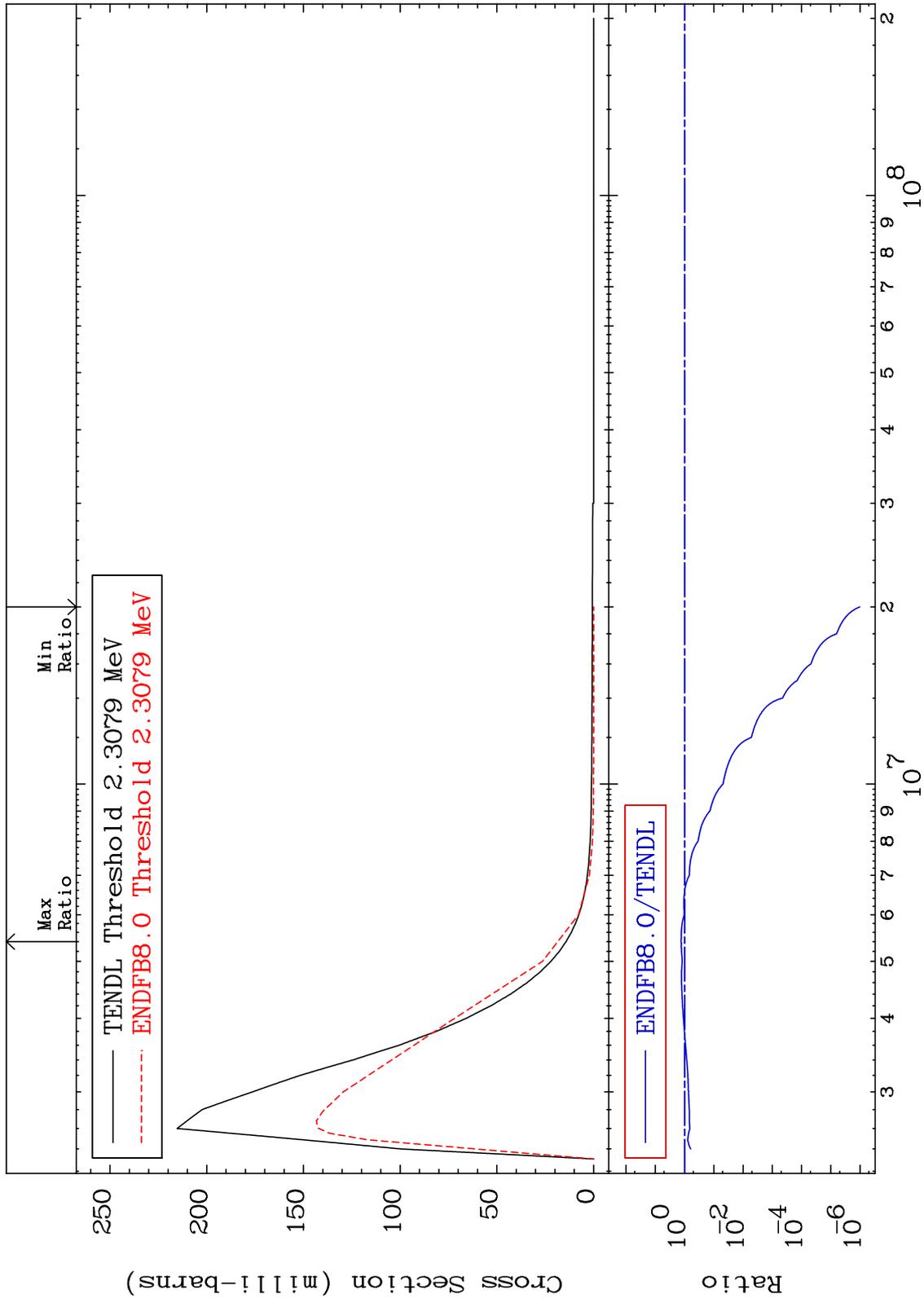
MAT 4425 MT= 55 (n,n') Level Cross Section 44-Ru-96
 -100.0 To 128.1 %



MAT 4425

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

44-Ru-96
-100.0 To 30.28 %

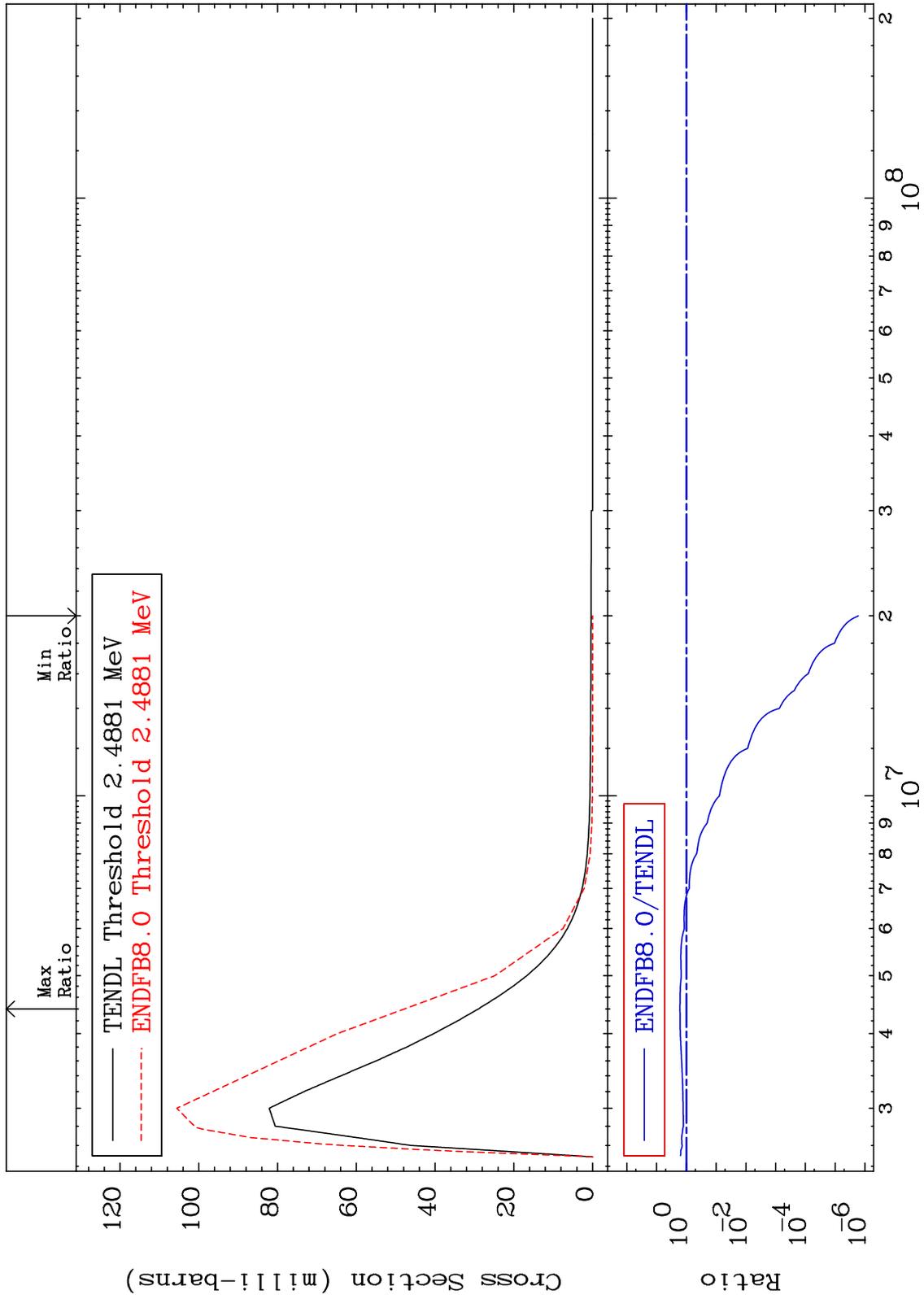


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44-Ru-96

44-Ru-96

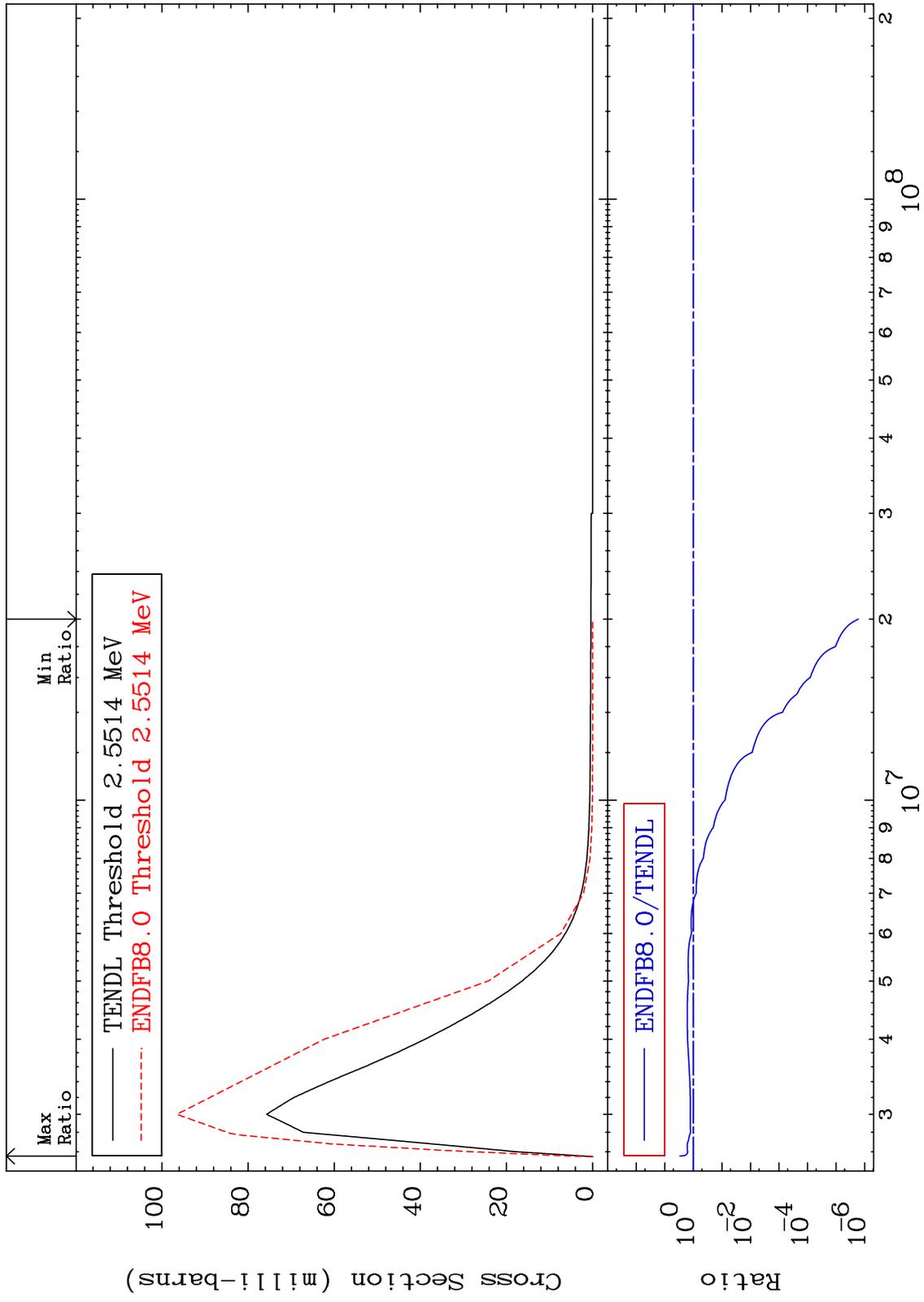
MAT 4425 MT= 57 (n,n') Level Cross Section 44-Ru-96
 -100.0 To 64.70 %



MAT 4425

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

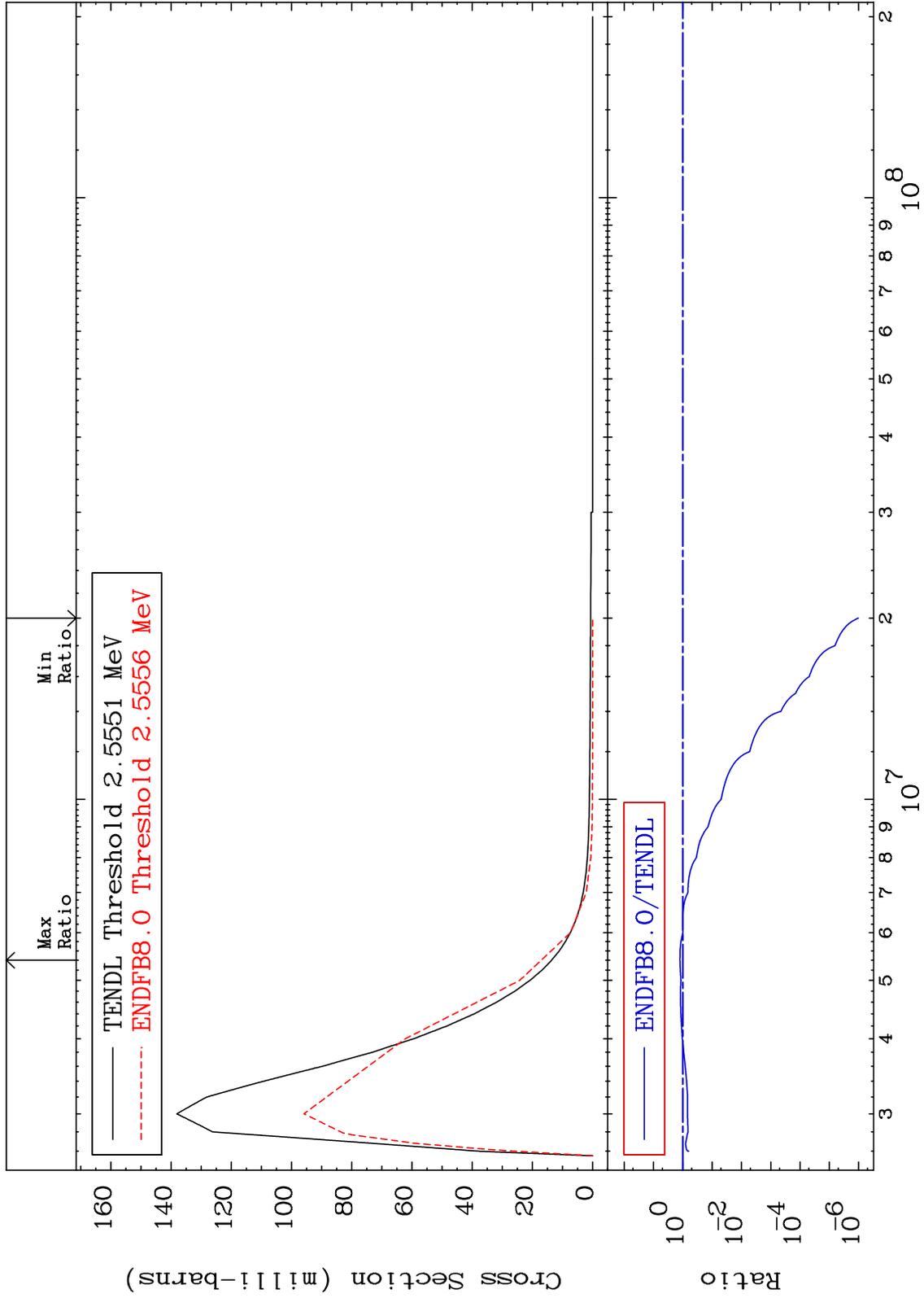
44-Ru-96
-100.0 To 195.6 %



MAT 4425

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

44-Ru-96
-100.0 To 25.59 %



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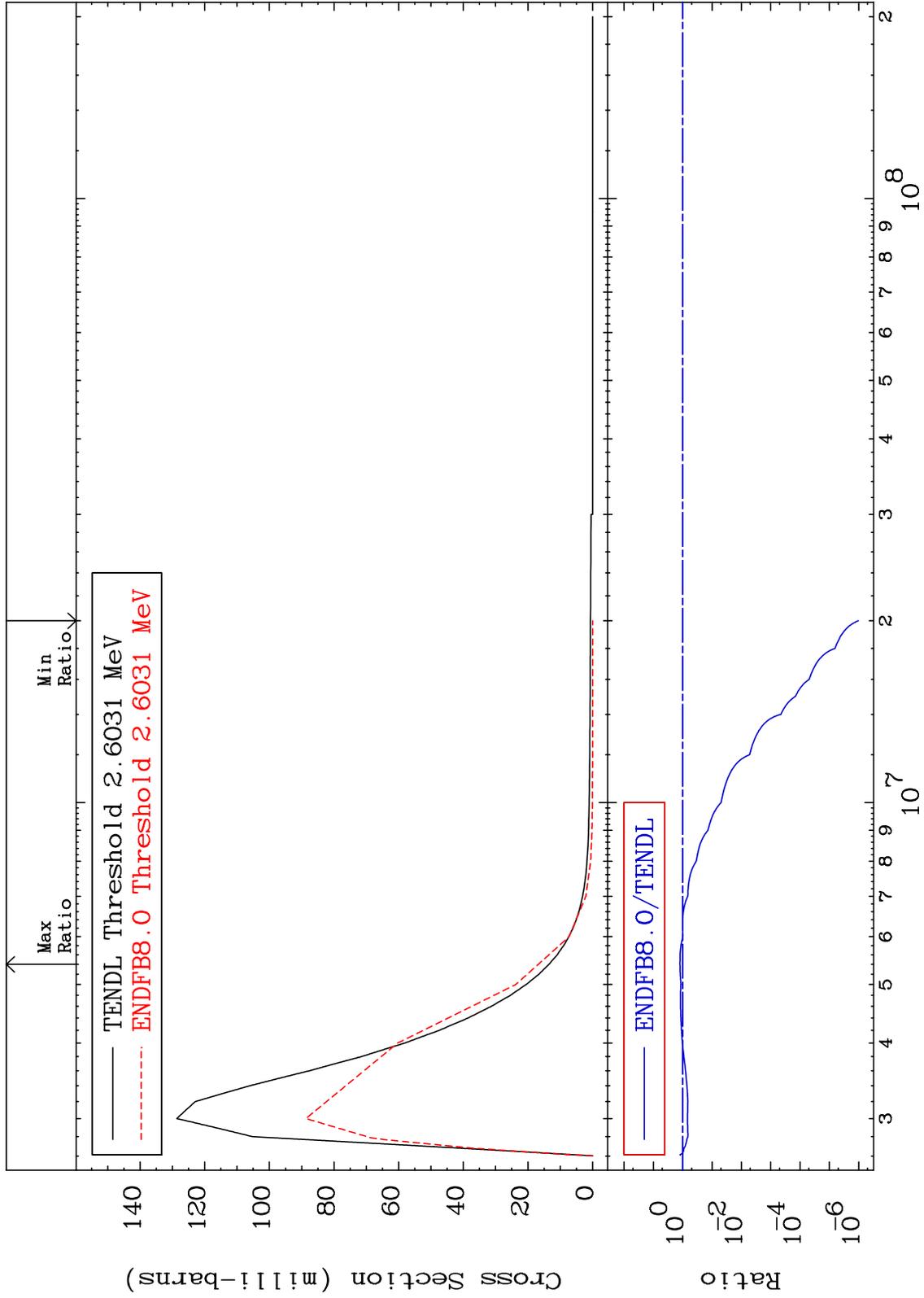
Incident Energy (eV)

44-Ru-96

MAT 4425

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

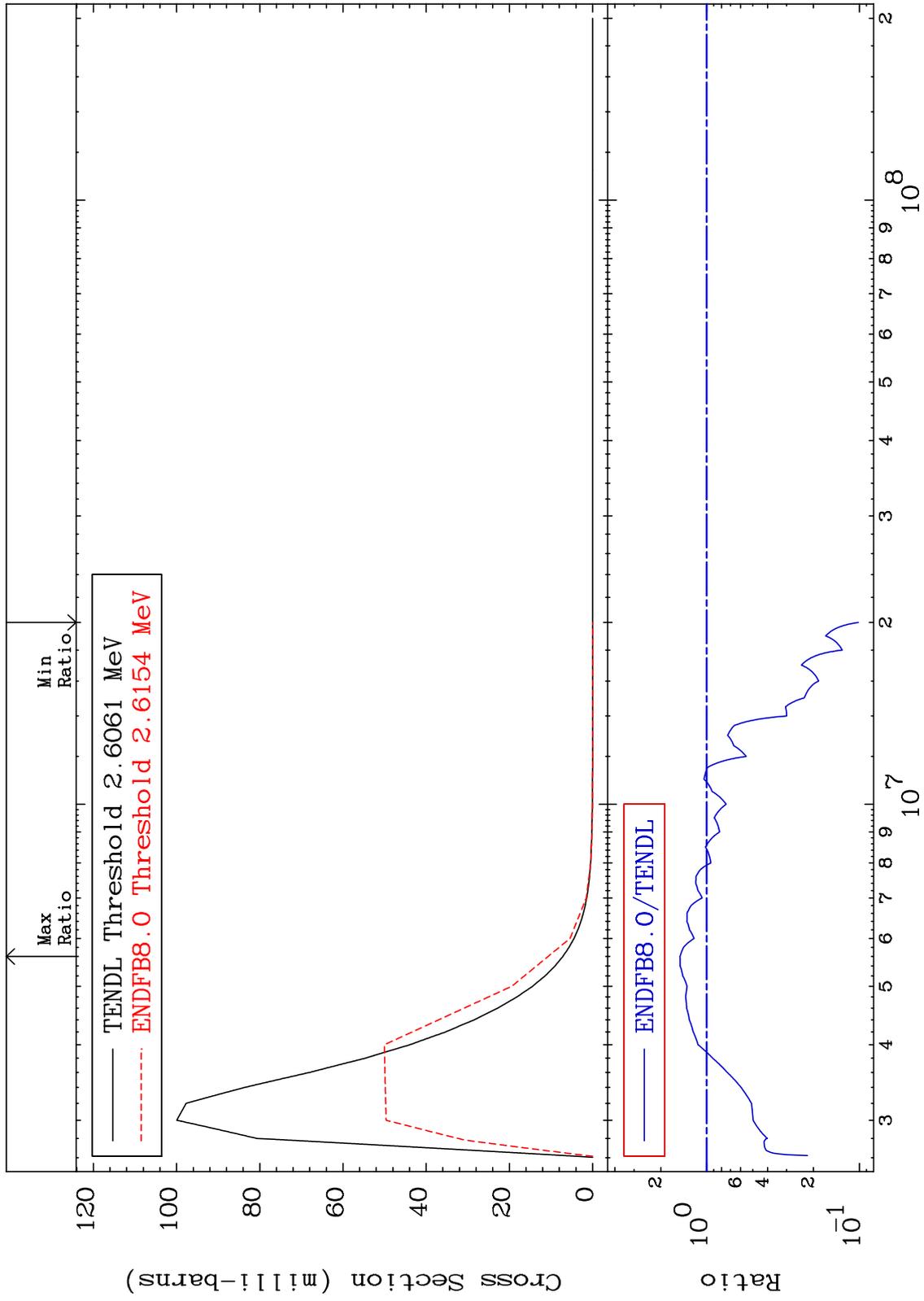
44-Ru-96
-100.0 To 24.72 %



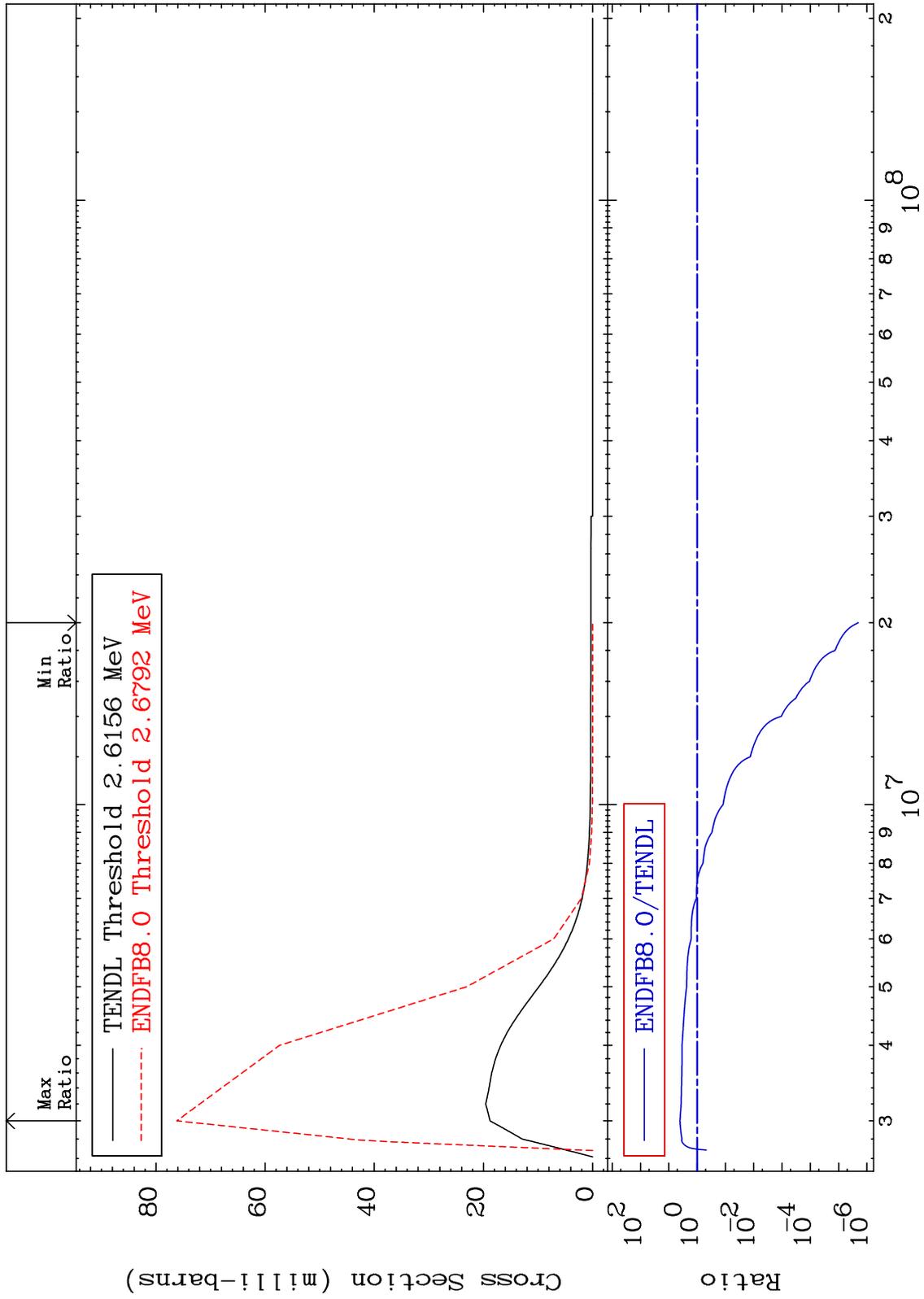
MAT 4425

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

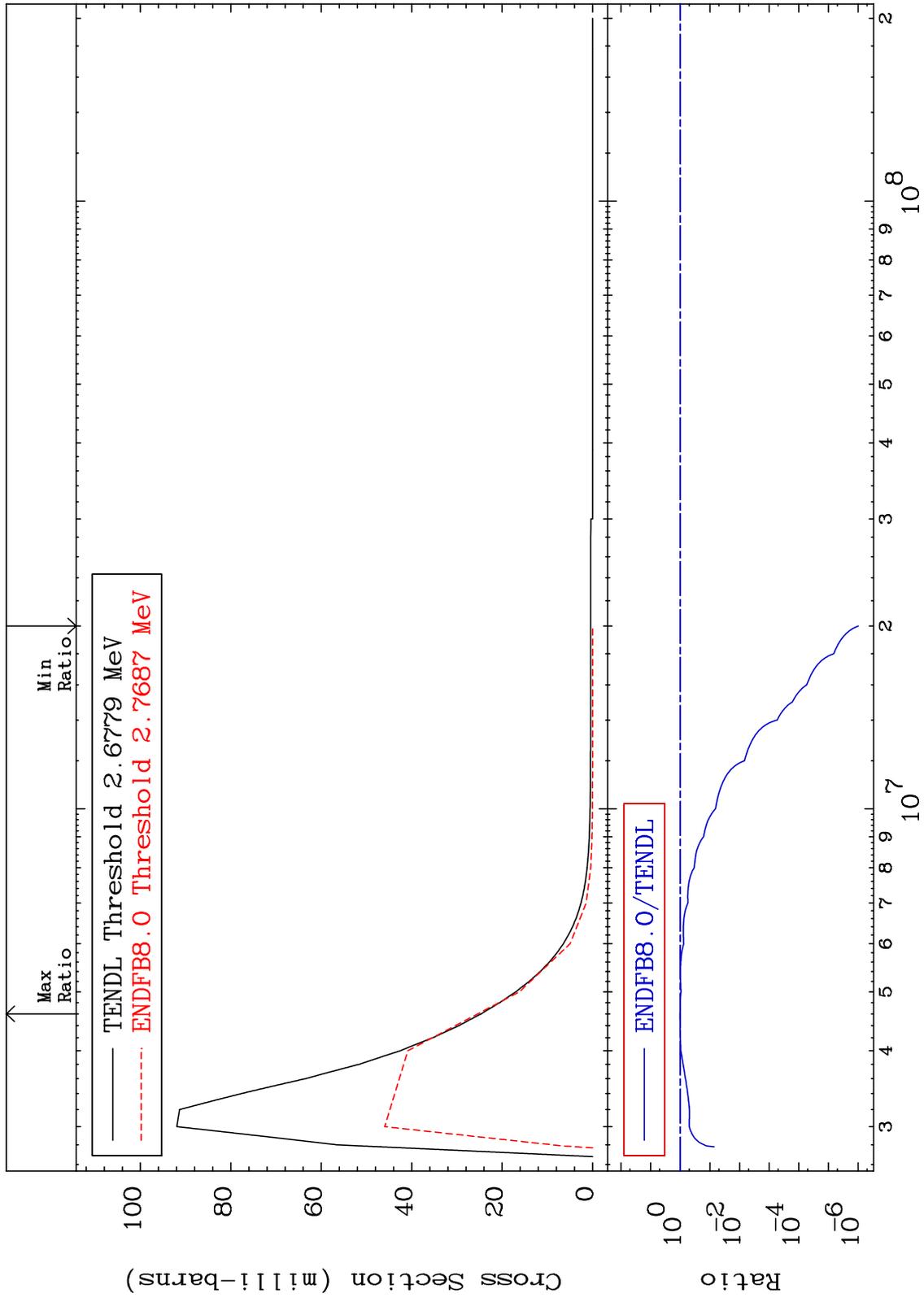
44-Ru-96
-89.85 To 49.88 %



MAT 4425 MT= 62 (n,n') Level Cross Section 44-Ru-96
 -100.0 To 305.3 %



MAT 4425 MT= 63 (n,n') Level Cross Section -100.0 To 3.070 % 44-Ru-96

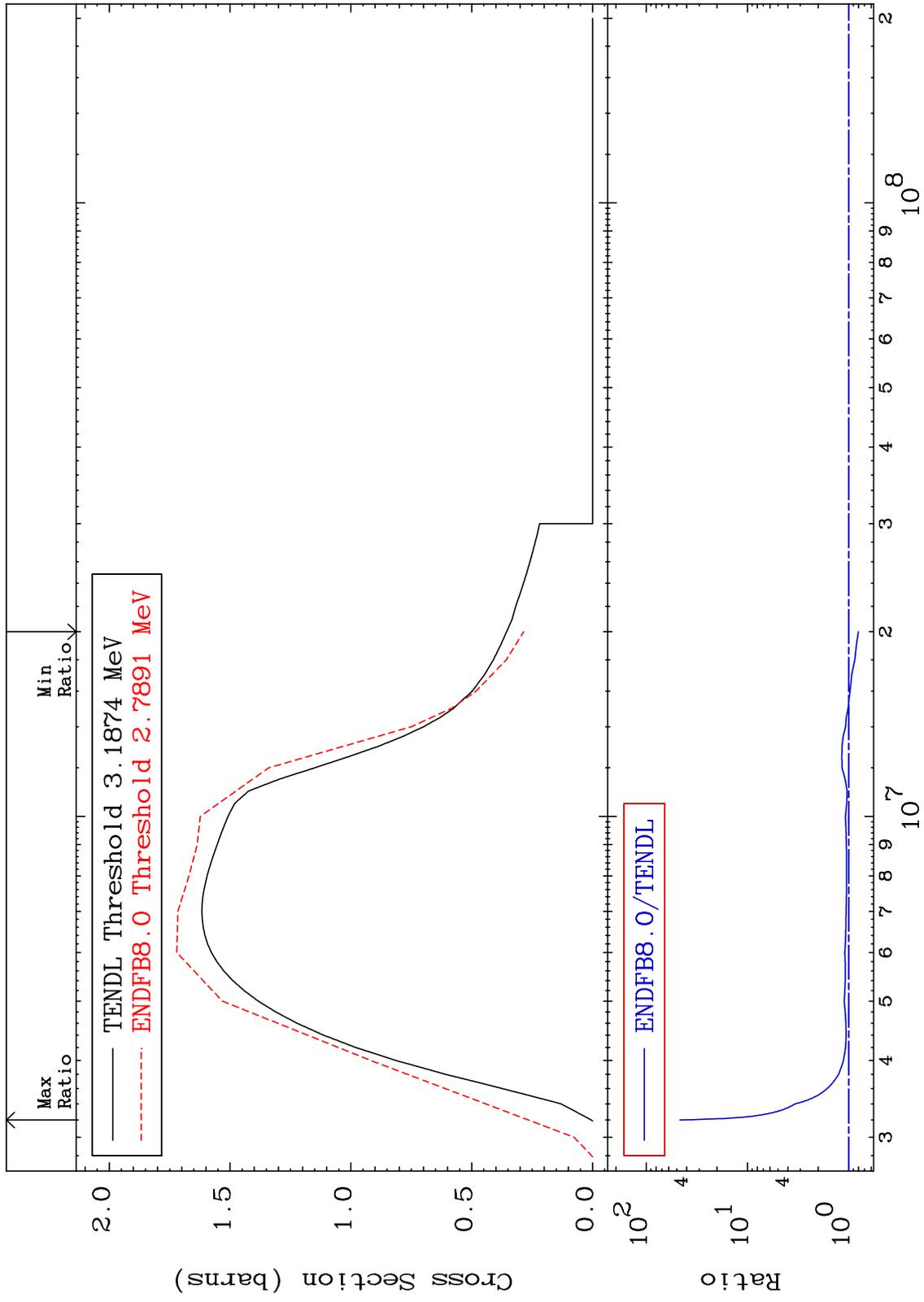


Max Ratio
Min Ratio

TENDL Threshold 2.6779 MeV
ENDFB8.0 Threshold 2.7687 MeV

ENDFB8.0/TENDL

MAT 4425 (n,n') Continuum Cross Section 44-Ru-96 -19.83 To 4553. %

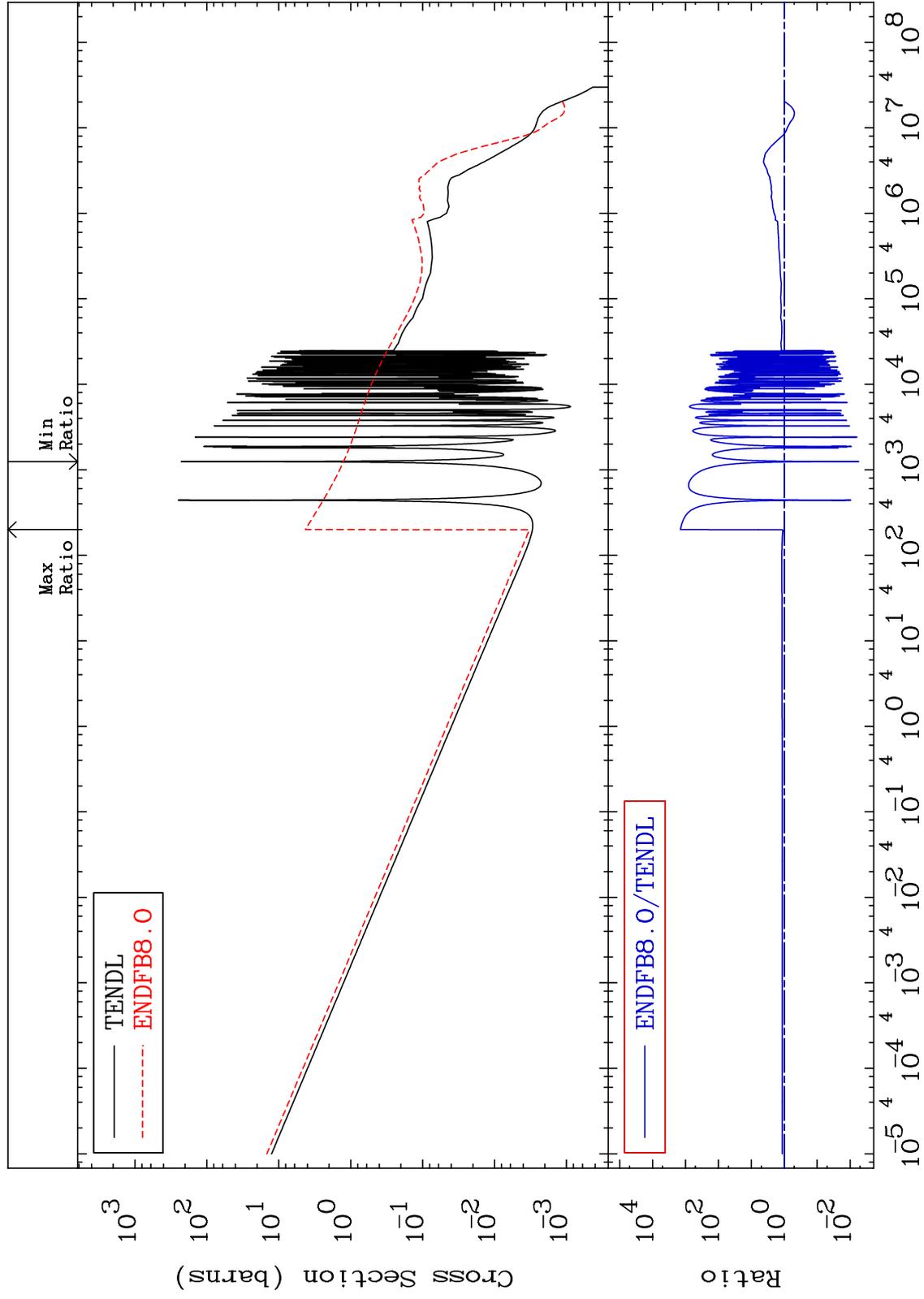


MAT 4425

44-Ru-96

-99.45 To 9999. %

(n, γ)
Cross Section



22

Incident Energy (eV)

44-Ru-96

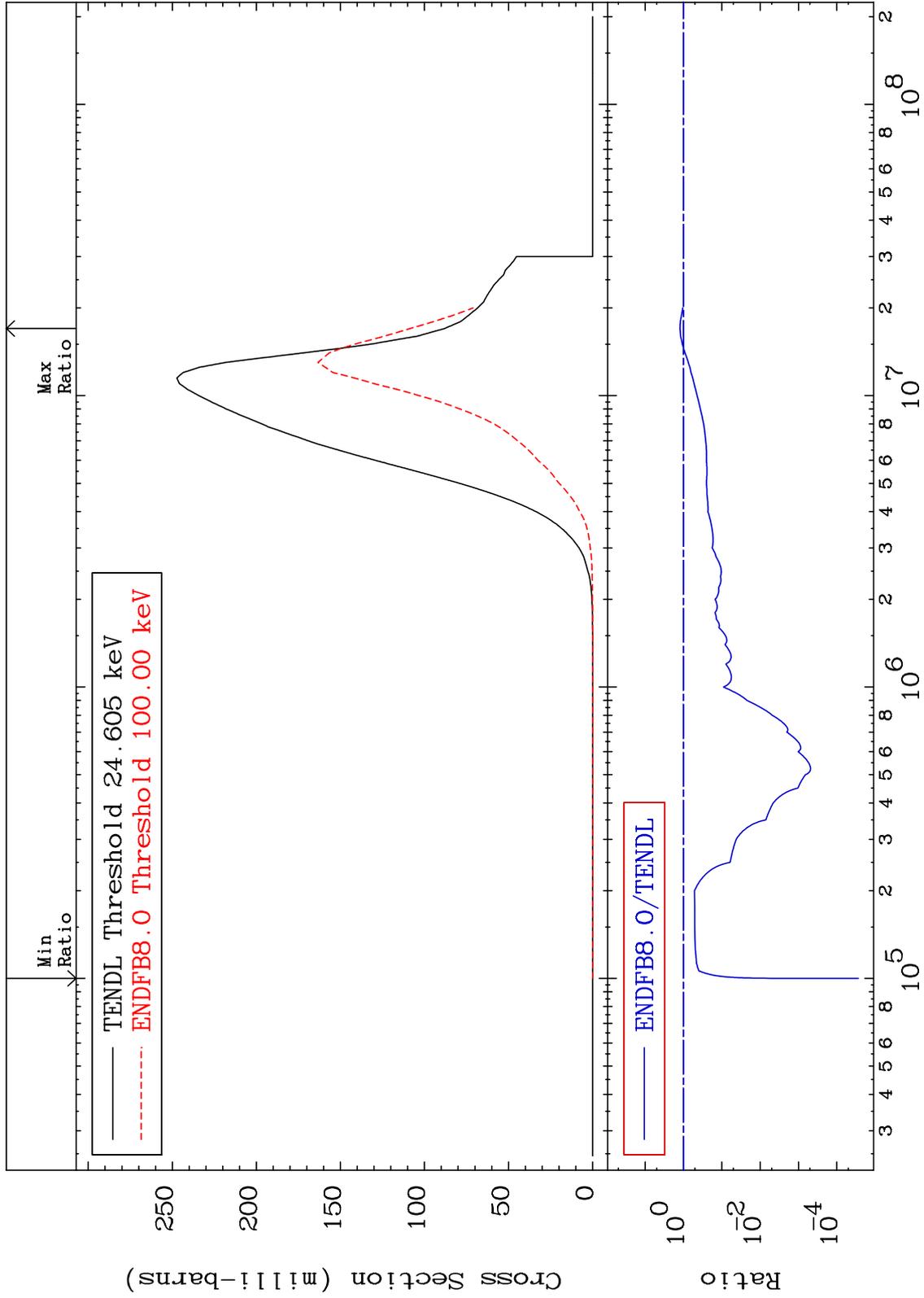
MAT 4425

(n,p)

44-Ru-96

Cross Section

-100.0 To 23.39 %



23

Incident Energy (eV)

44-Ru-96

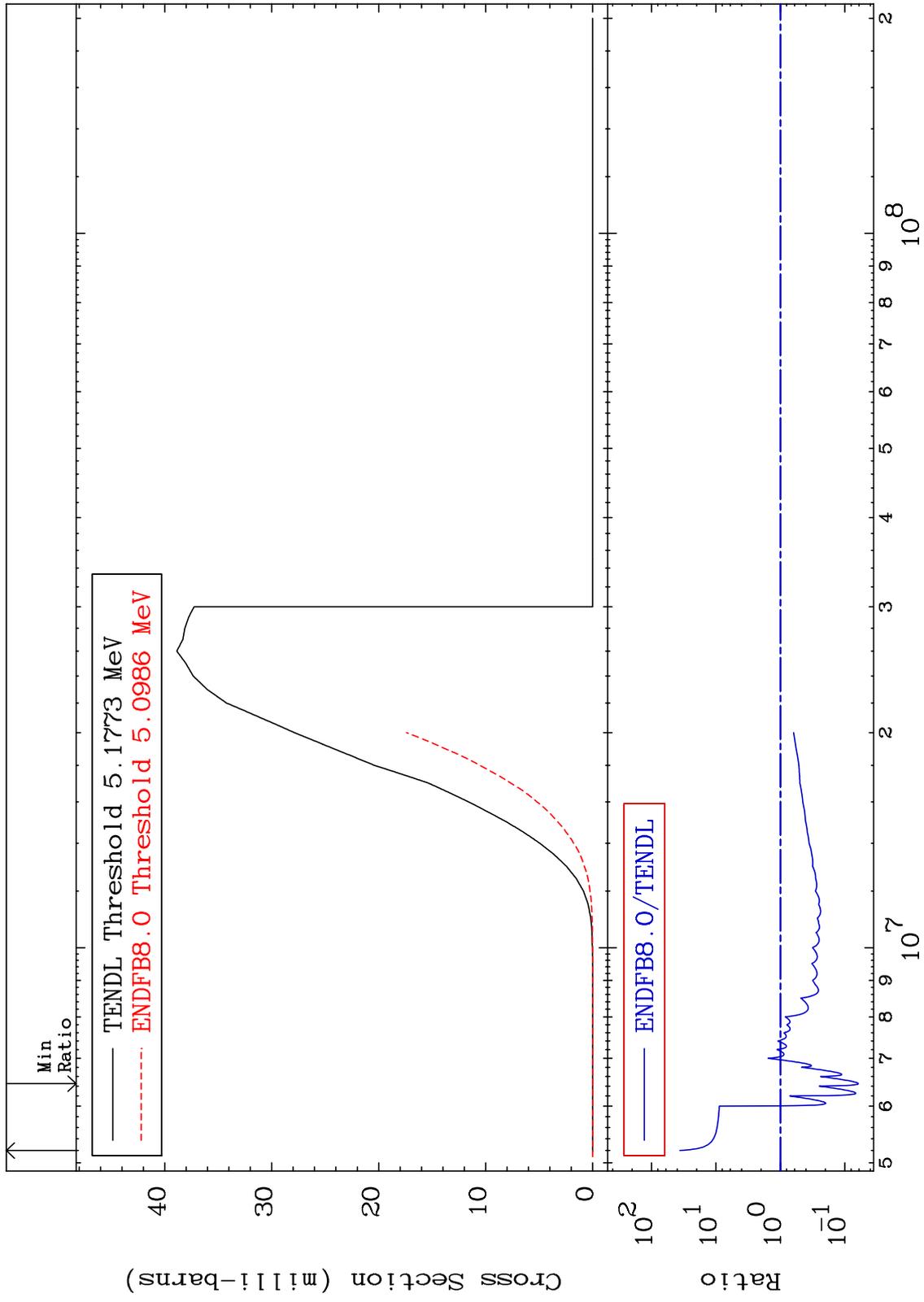
MAT 4425

(n, d)

44-Ru-96

Cross Section

-93.84 To 3525. %



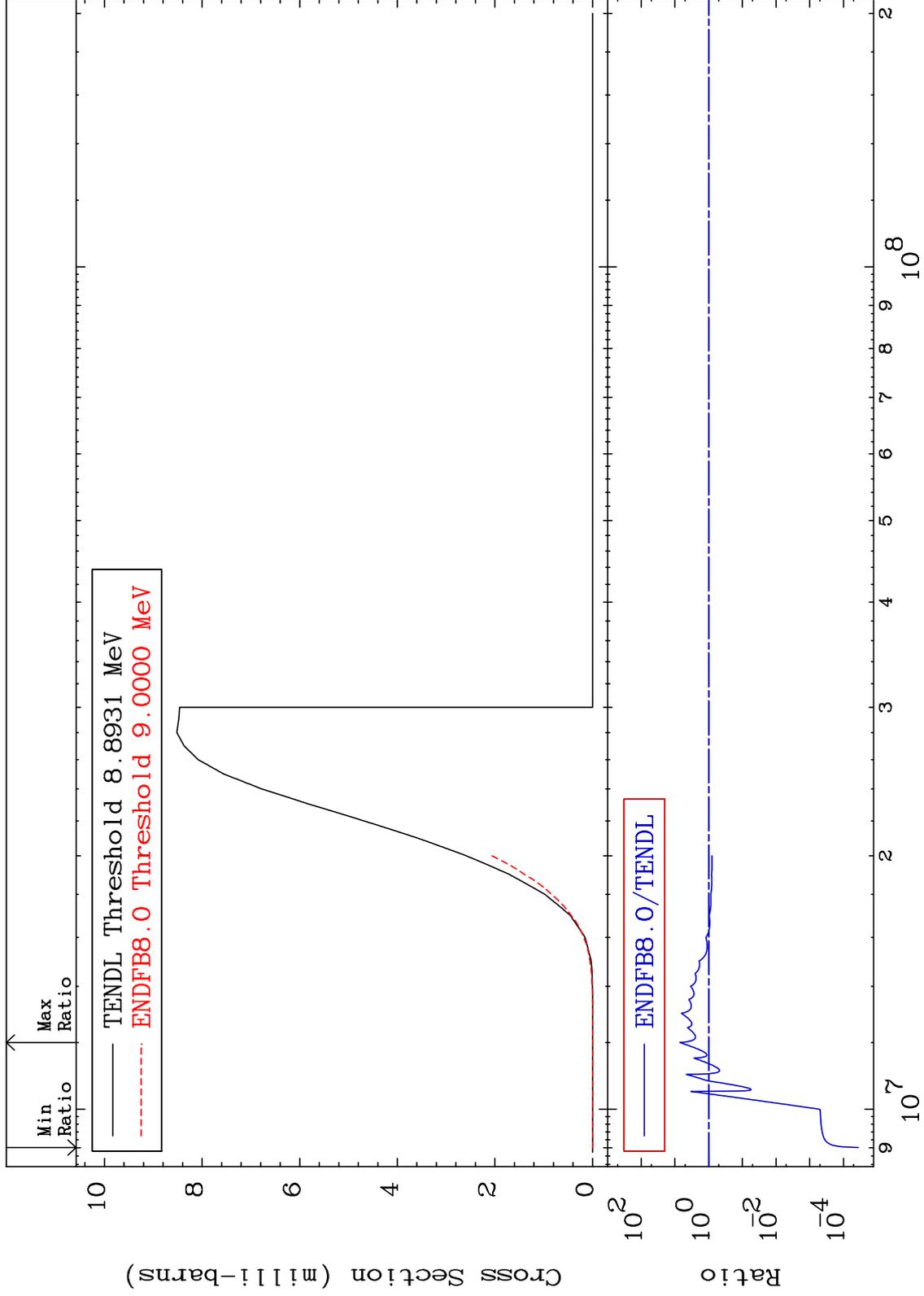
MAT 4425

(n, t)

44-Ru-96

Cross Section

-100.0 To 608.1 %



25

Incident Energy (eV)

44-Ru-96

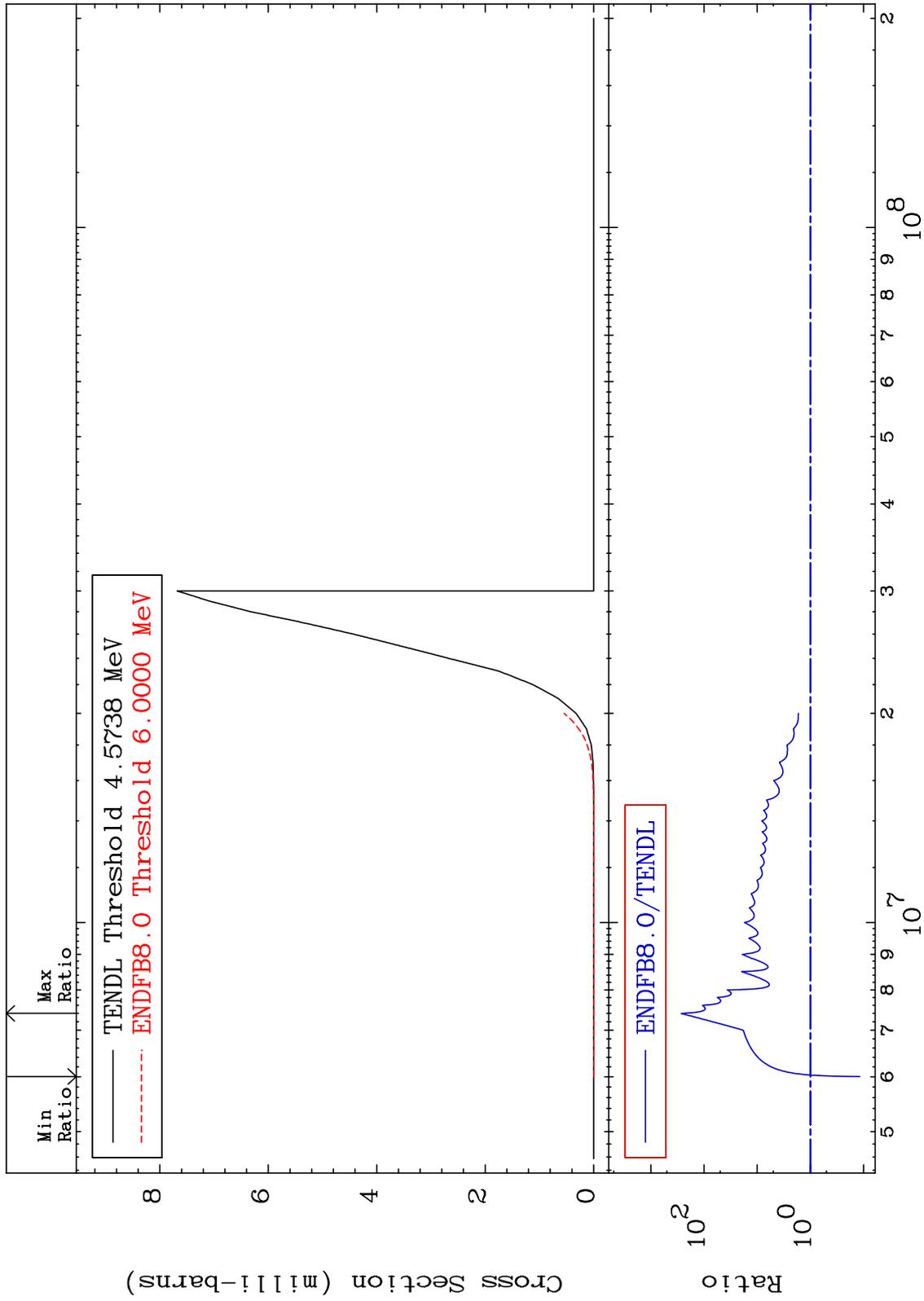
MAT 4425

(n, He-3)

44-Ru-96

Cross Section

-88.31 To 9999. %



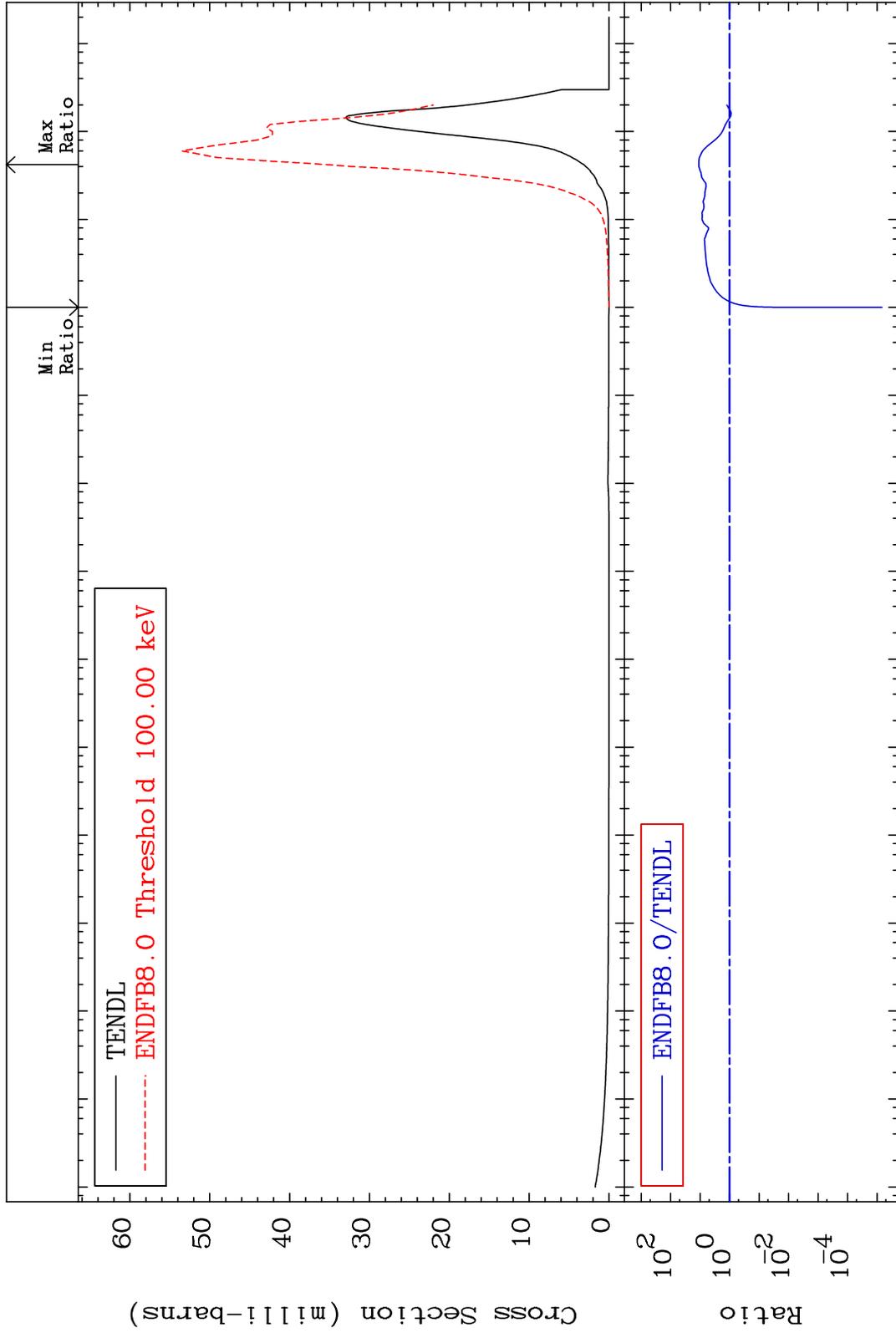
MAT 4425

(n, α)

44-Ru-96

Cross Section

-100.0 To 1023. %



27

Incident Energy (eV)

44-Ru-96

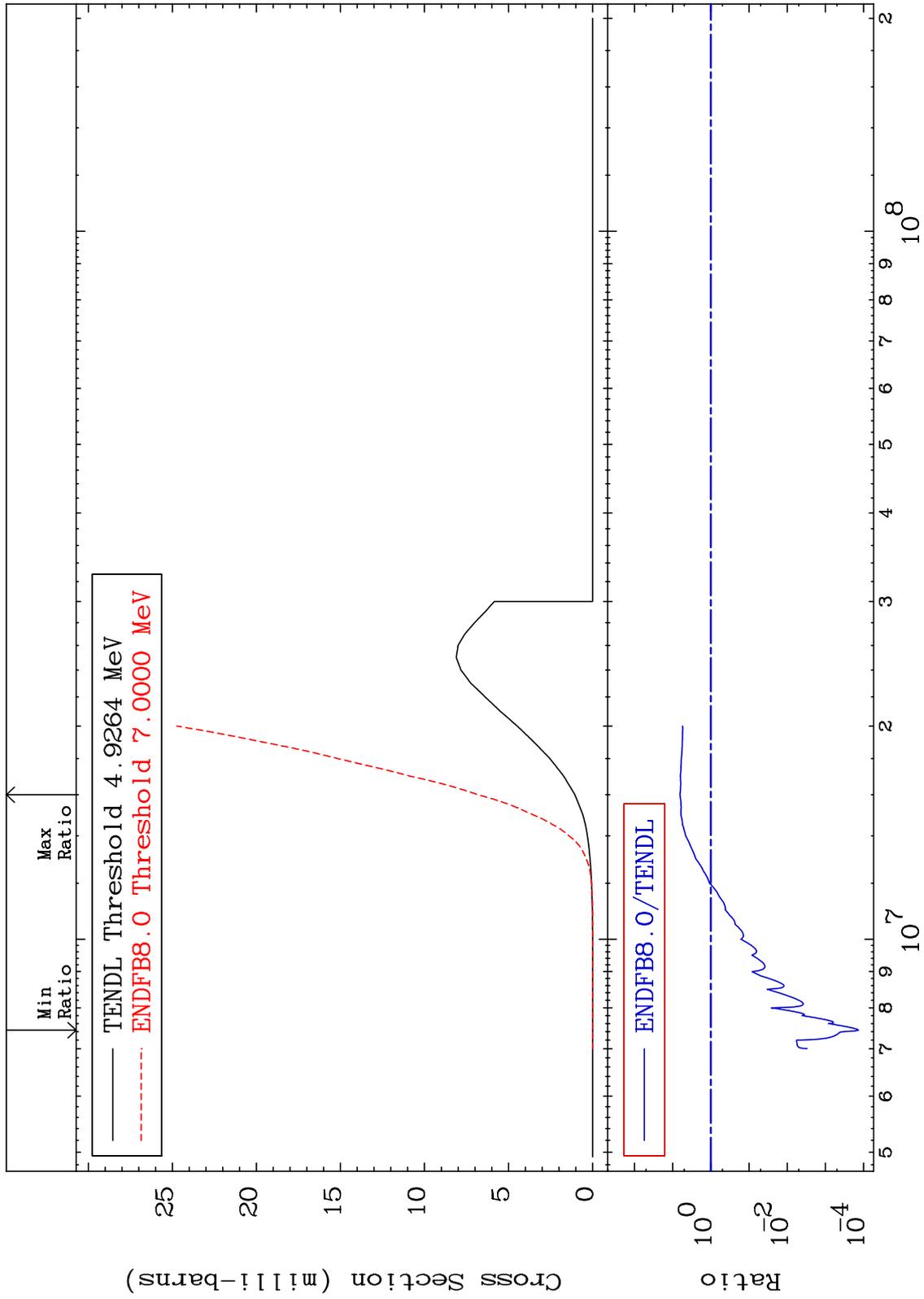
MAT 4425

(n,2p)

44-Ru-96

Cross Section

-99.99 To 548.2 %



28

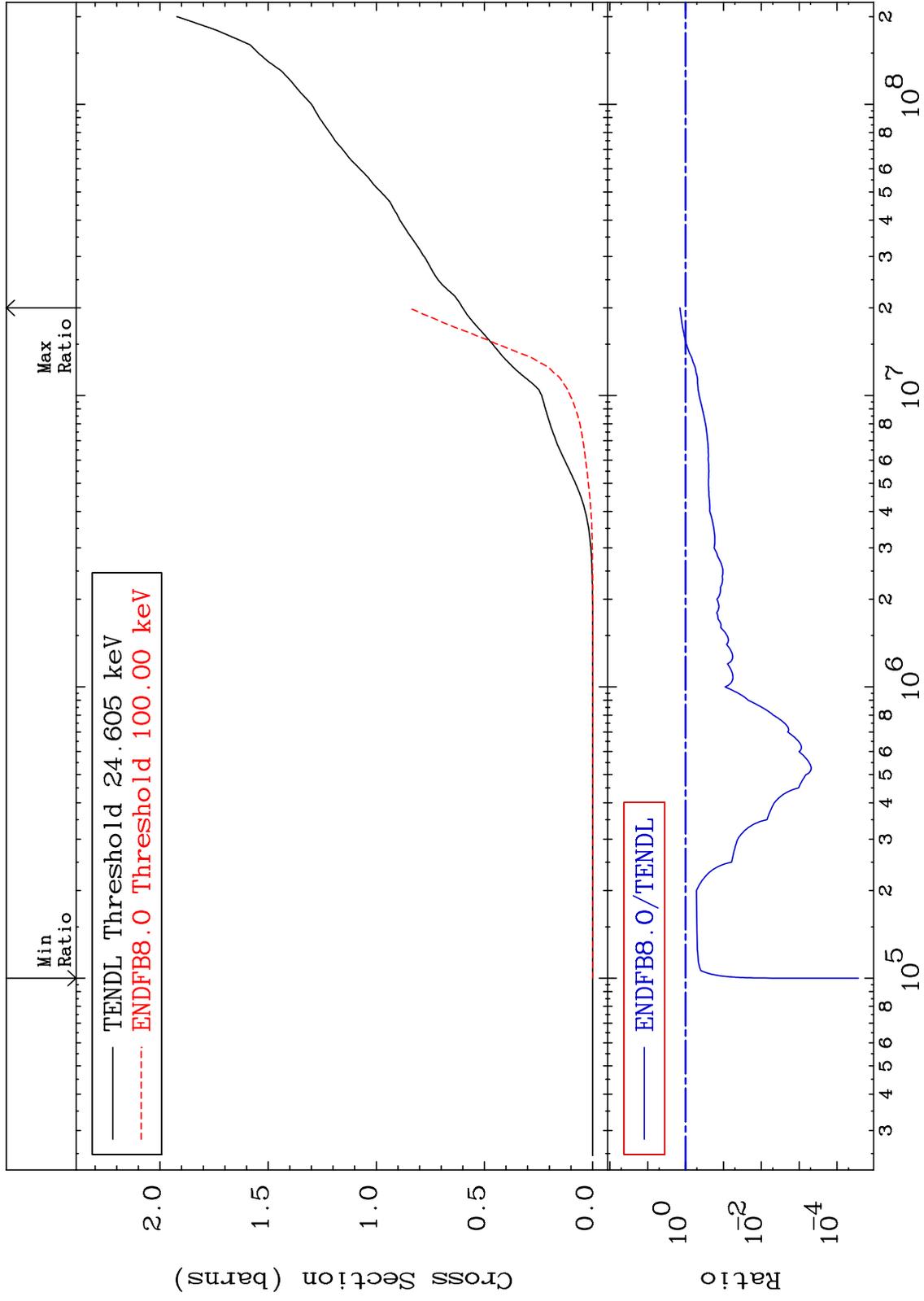
Incident Energy (eV)

44-Ru-96

MAT 4425

Hydrogen Production Cross Section

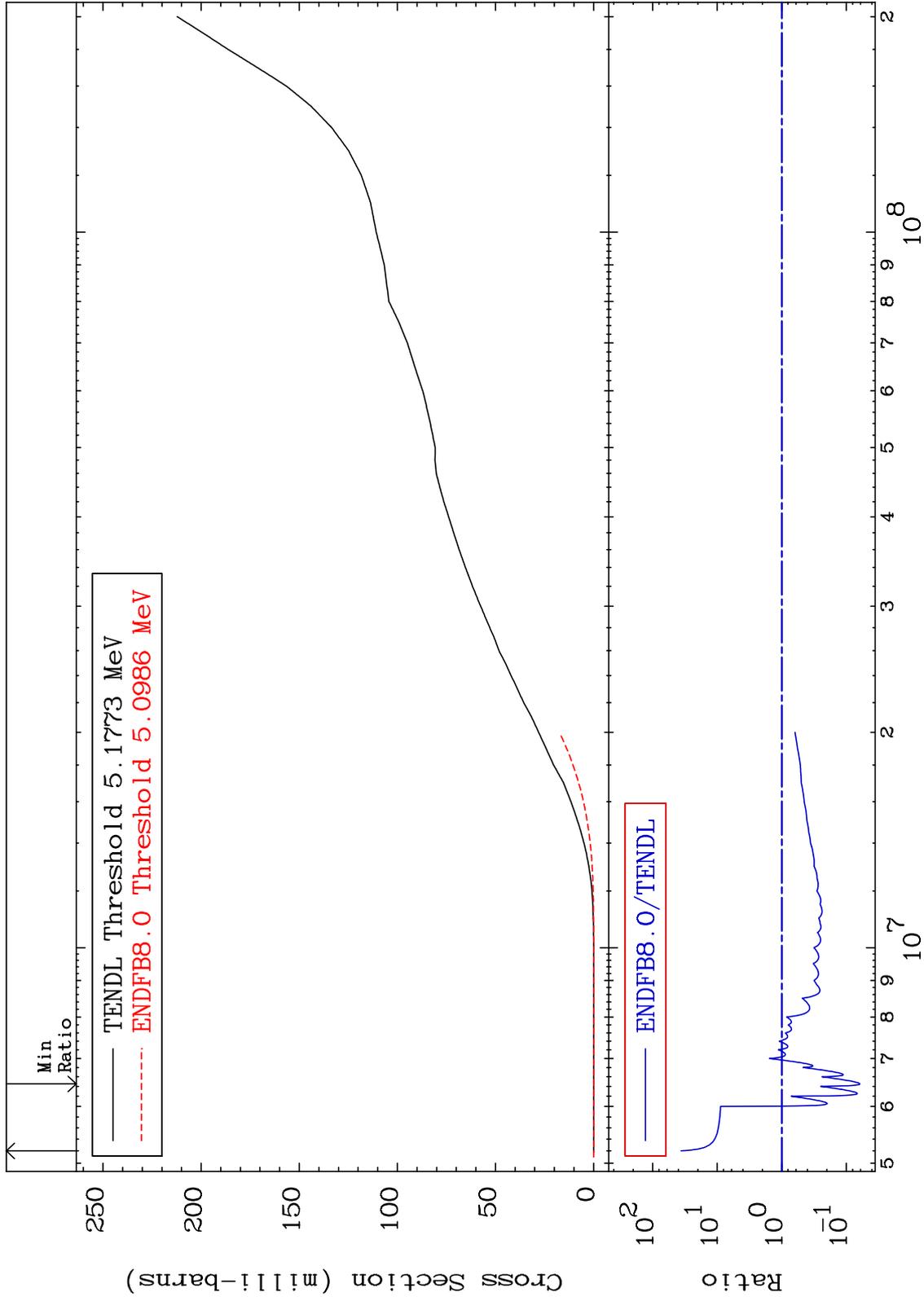
44-Ru-96
-100.0 To 40.97 %



MAT 4425

Deuterium Production
Cross Section

44-Ru-96
-93.84 To 3525. %



30

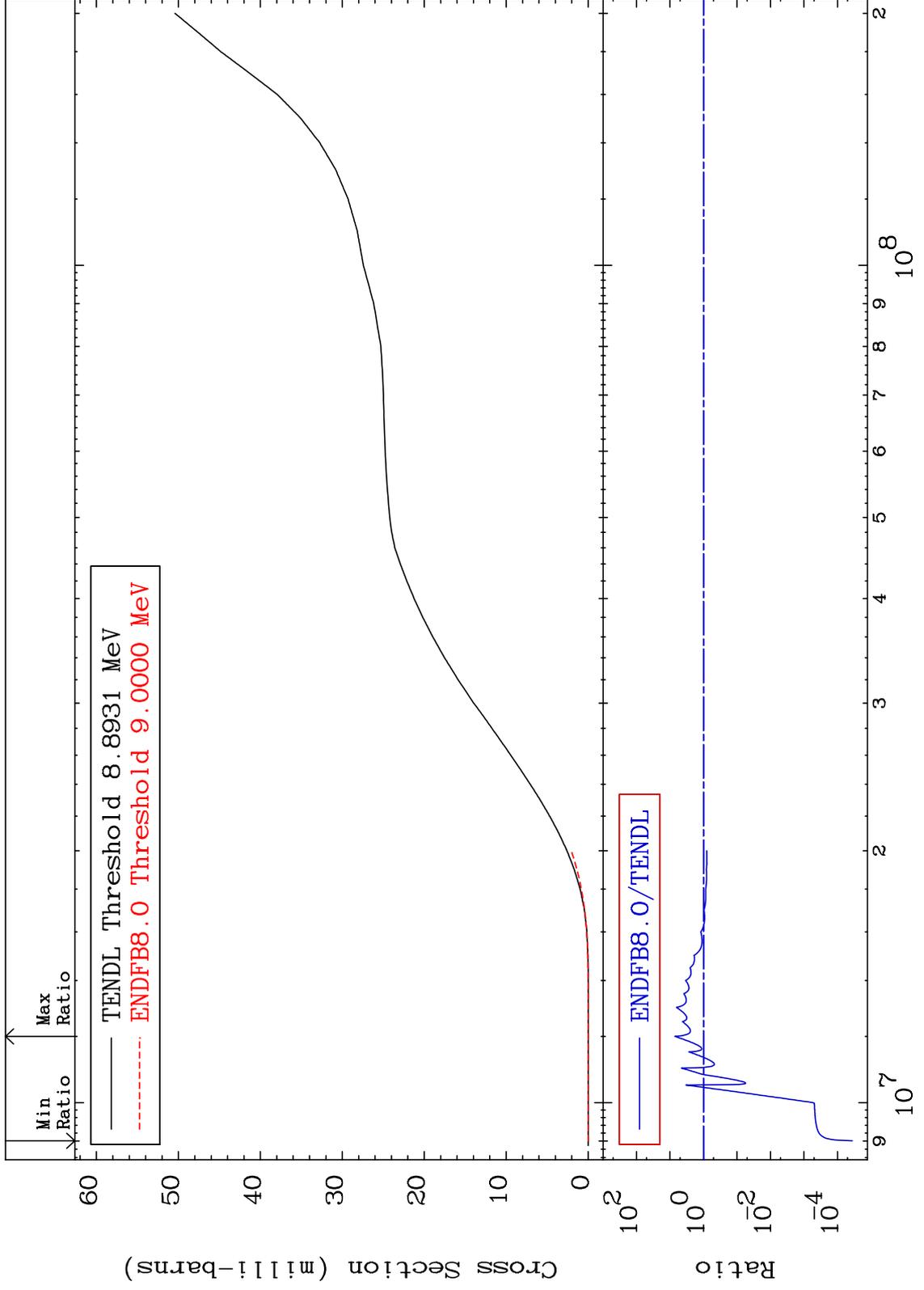
Incident Energy (eV)

44-Ru-96

MAT 4425

Tritium Production
Cross Section

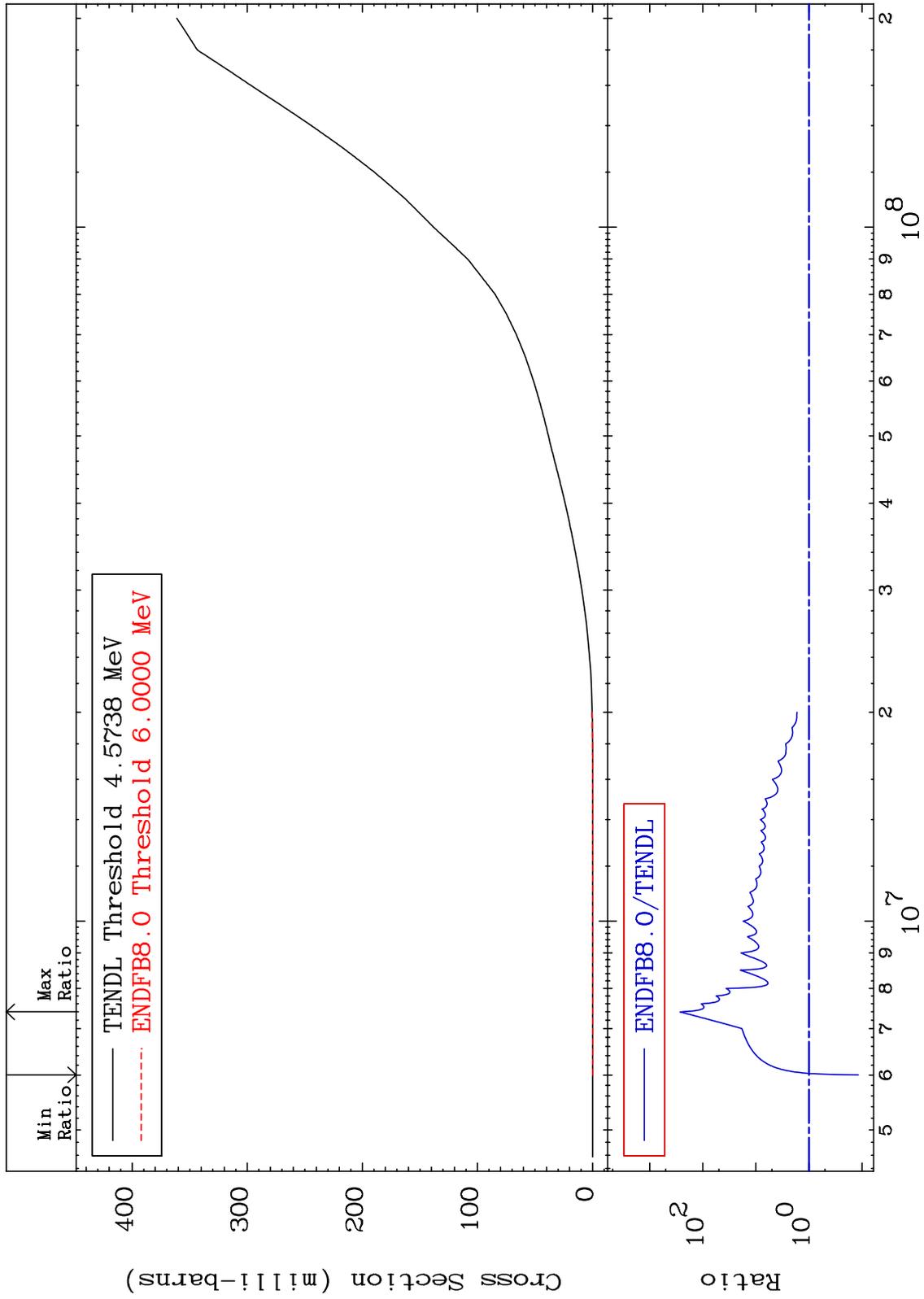
44-Ru-96
-100.0 To 608.1 %



MAT 4425

He-3 Production
Cross Section

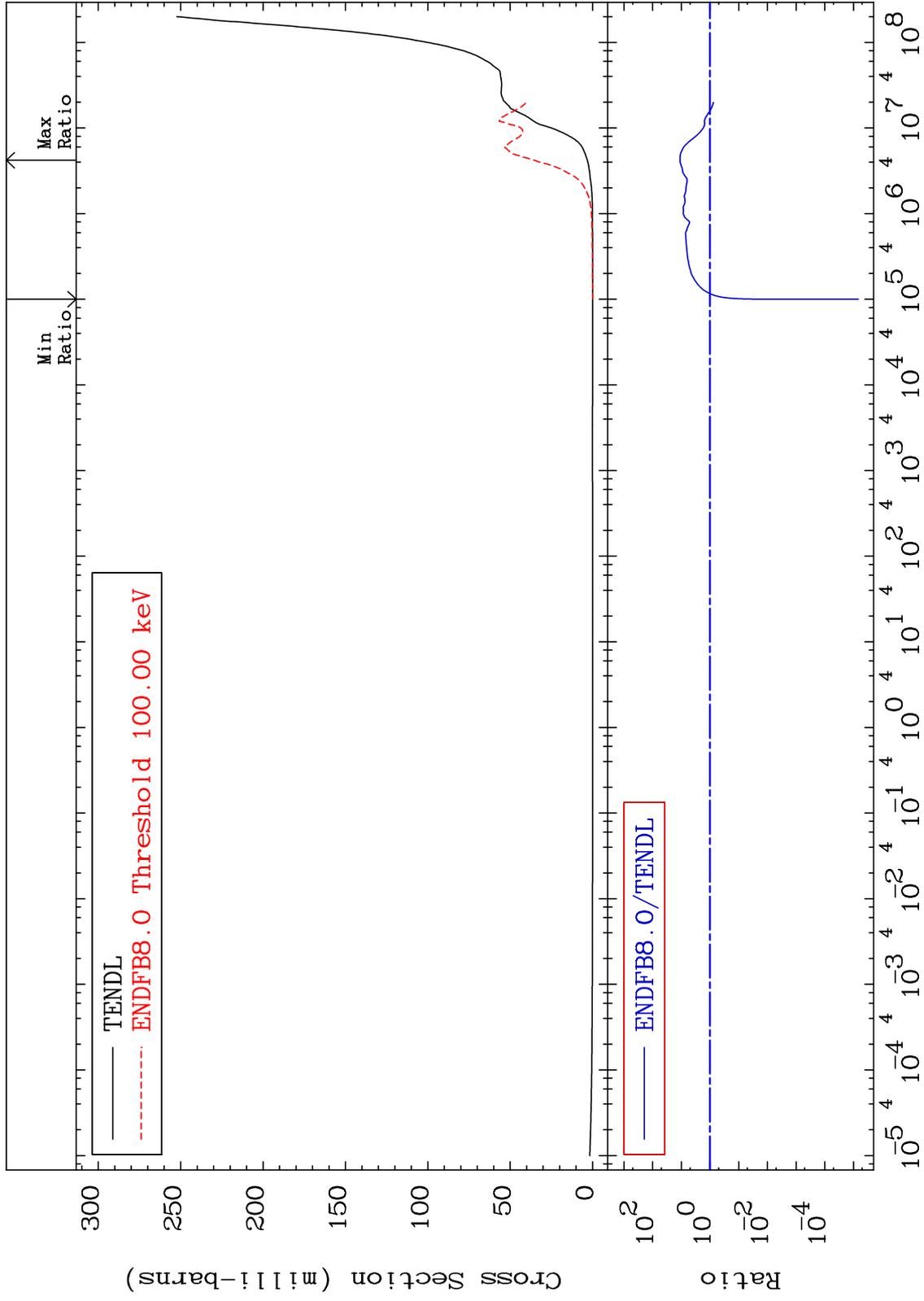
44-Ru-96
-88.31 To 9999. %



MAT 4425

He-4 Production
Cross Section

44-Ru-96
-100.0 To 1023. %



33

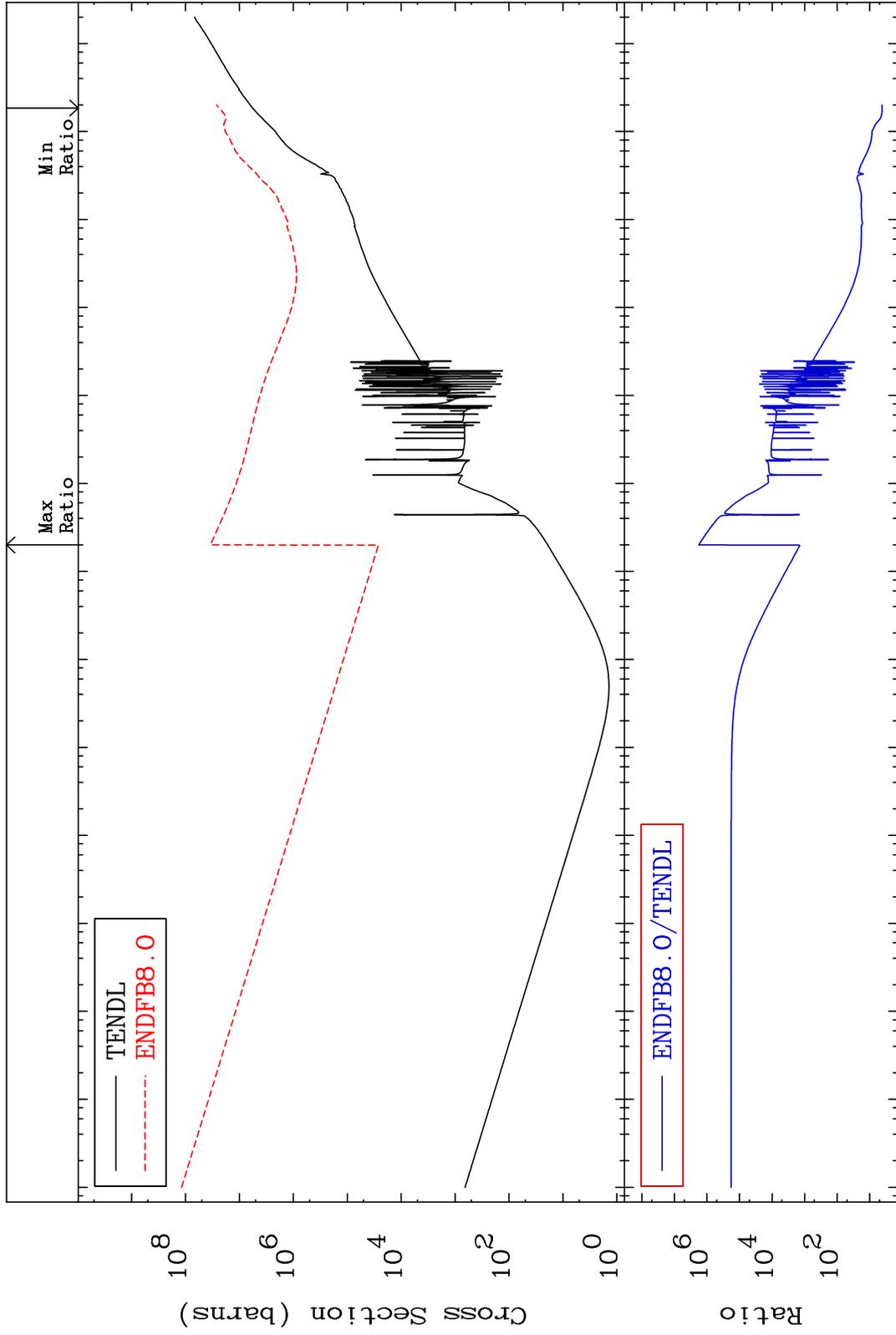
Incident Energy (eV)

44-Ru-96

MAT 4425

Kerma total (eV-barns)
Cross Section

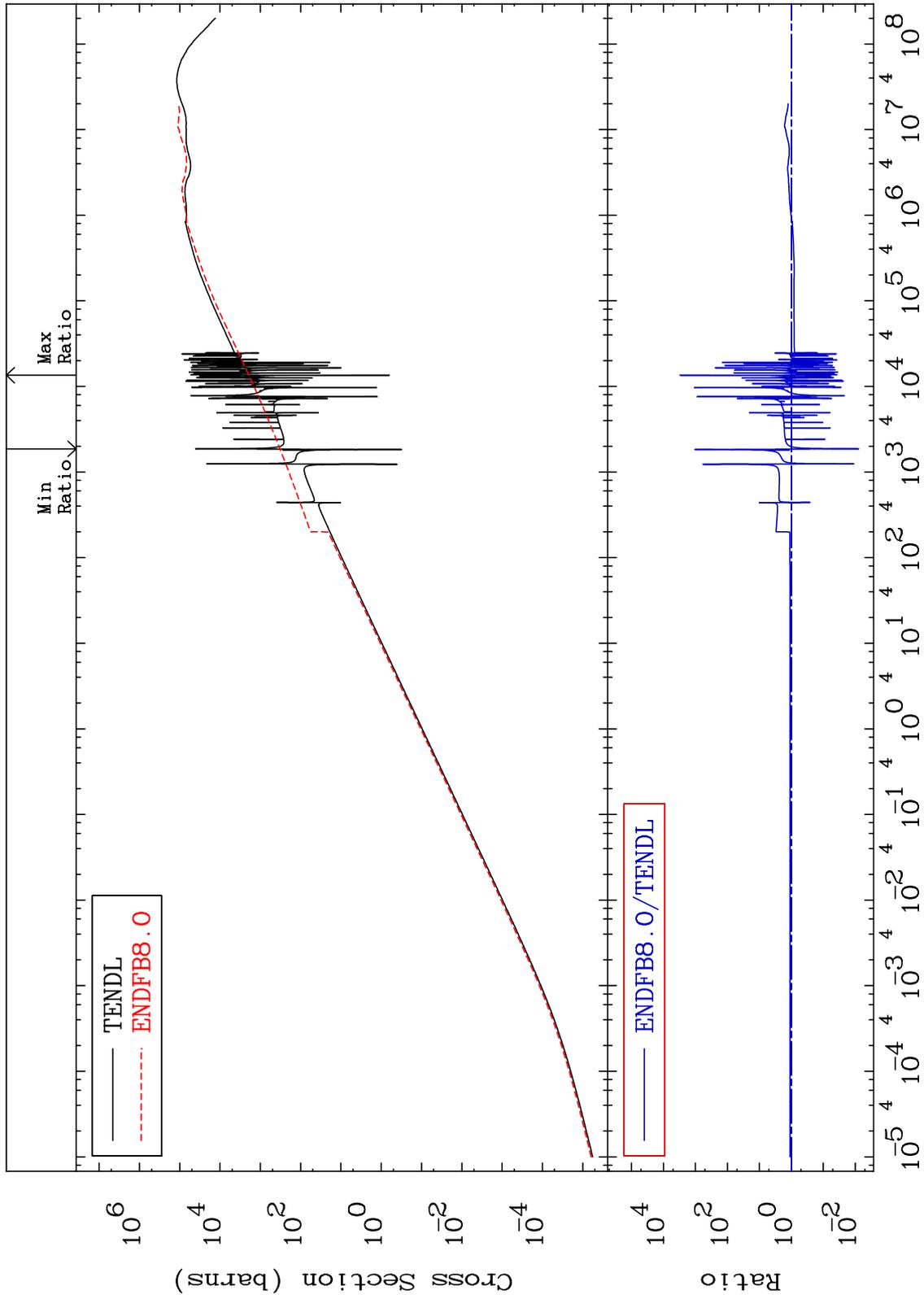
44-Ru-96
316.3 To 9999. %



MAT 4425

Kerma elastic
Cross Section

44-Ru-96
-99.21 To 9999. %



35

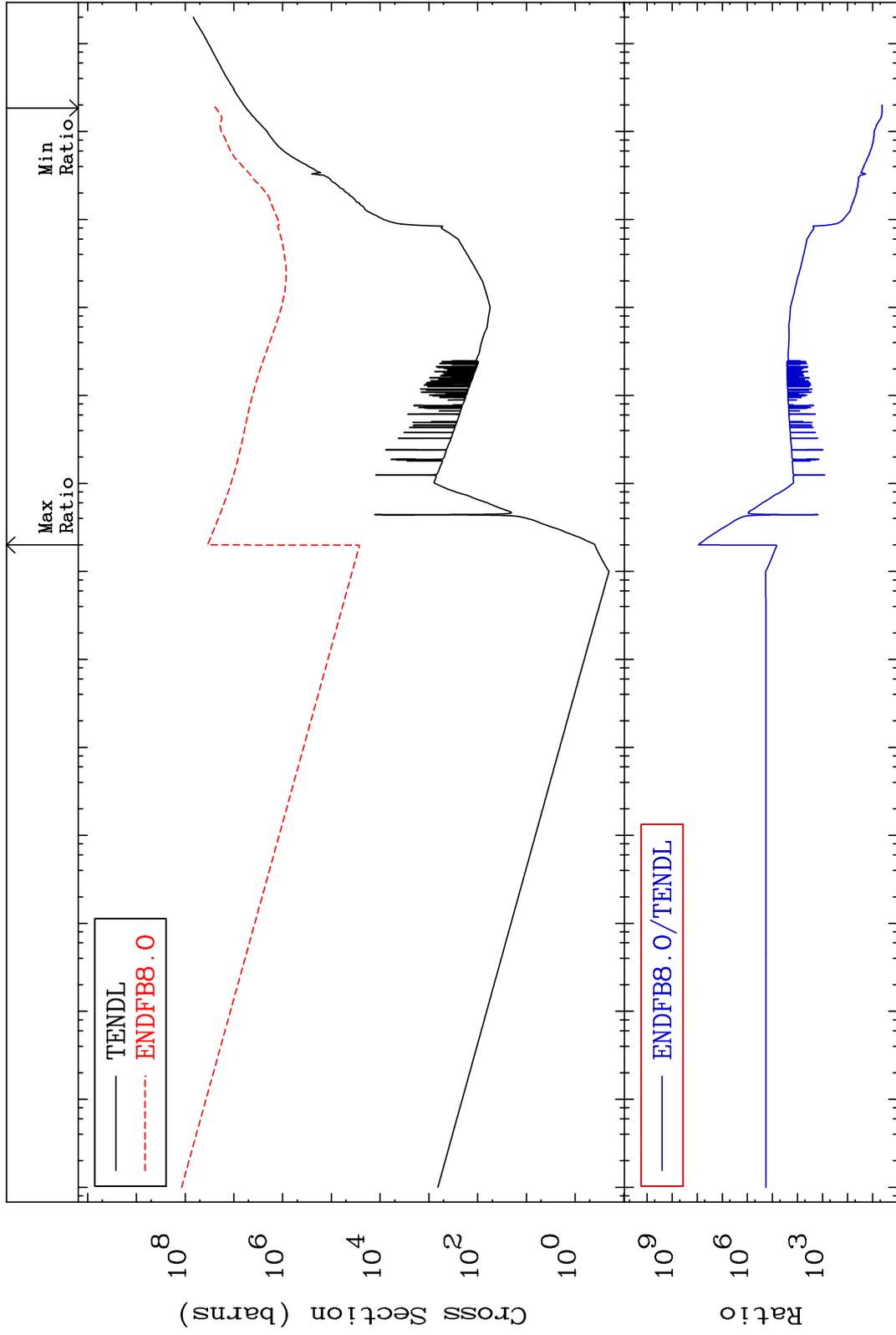
Incident Energy (eV)

44-Ru-96

MAT 4425

Kerma non-elastic (all but mt2)
Cross Section

44-Ru-96
320.5 To 9999. %



36

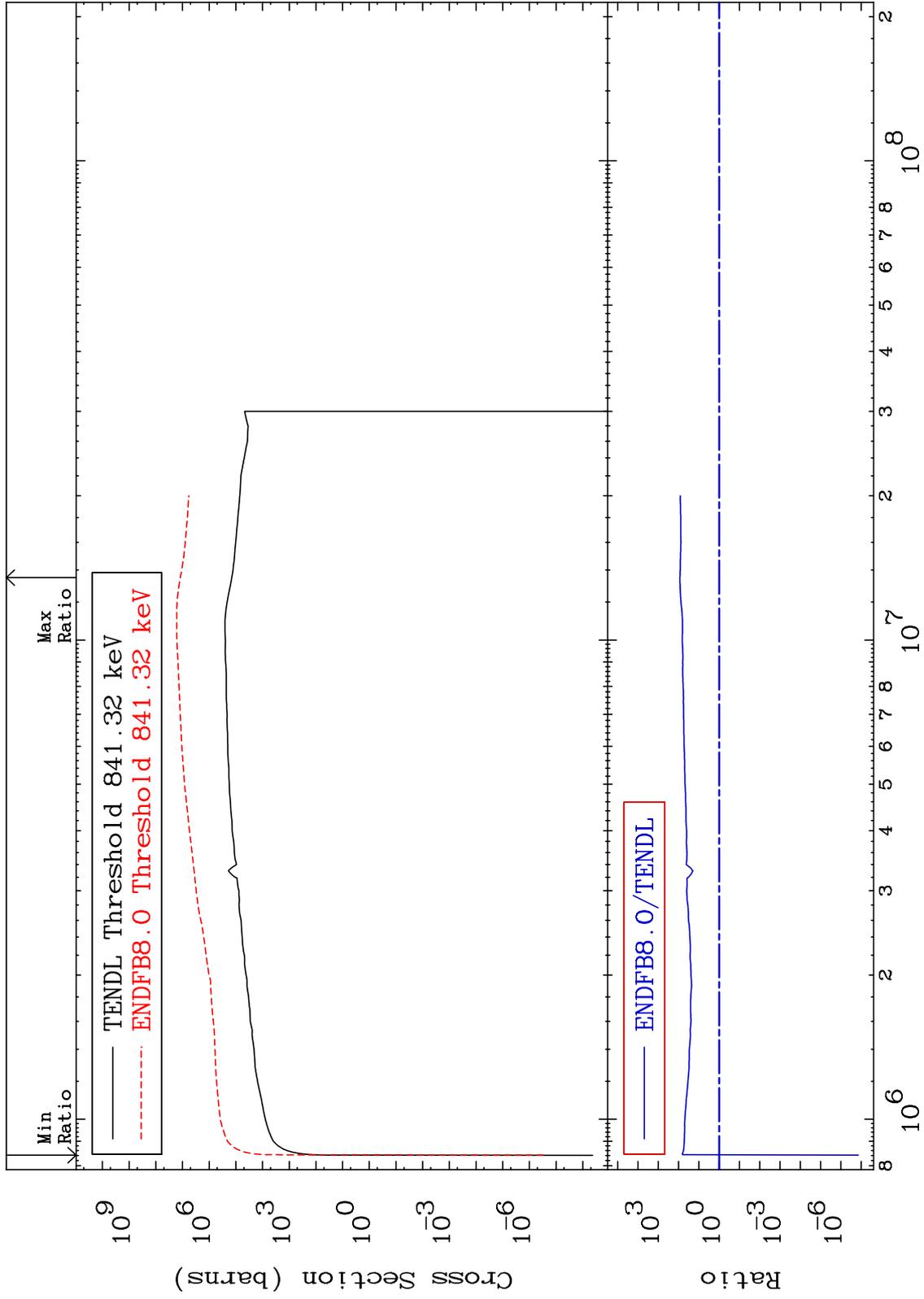
Incident Energy (eV)

44-Ru-96

MAT 4425

Kerma inelastic (mt51-91)
Cross Section

44-Ru-96
-100.0 To 8417. %



37

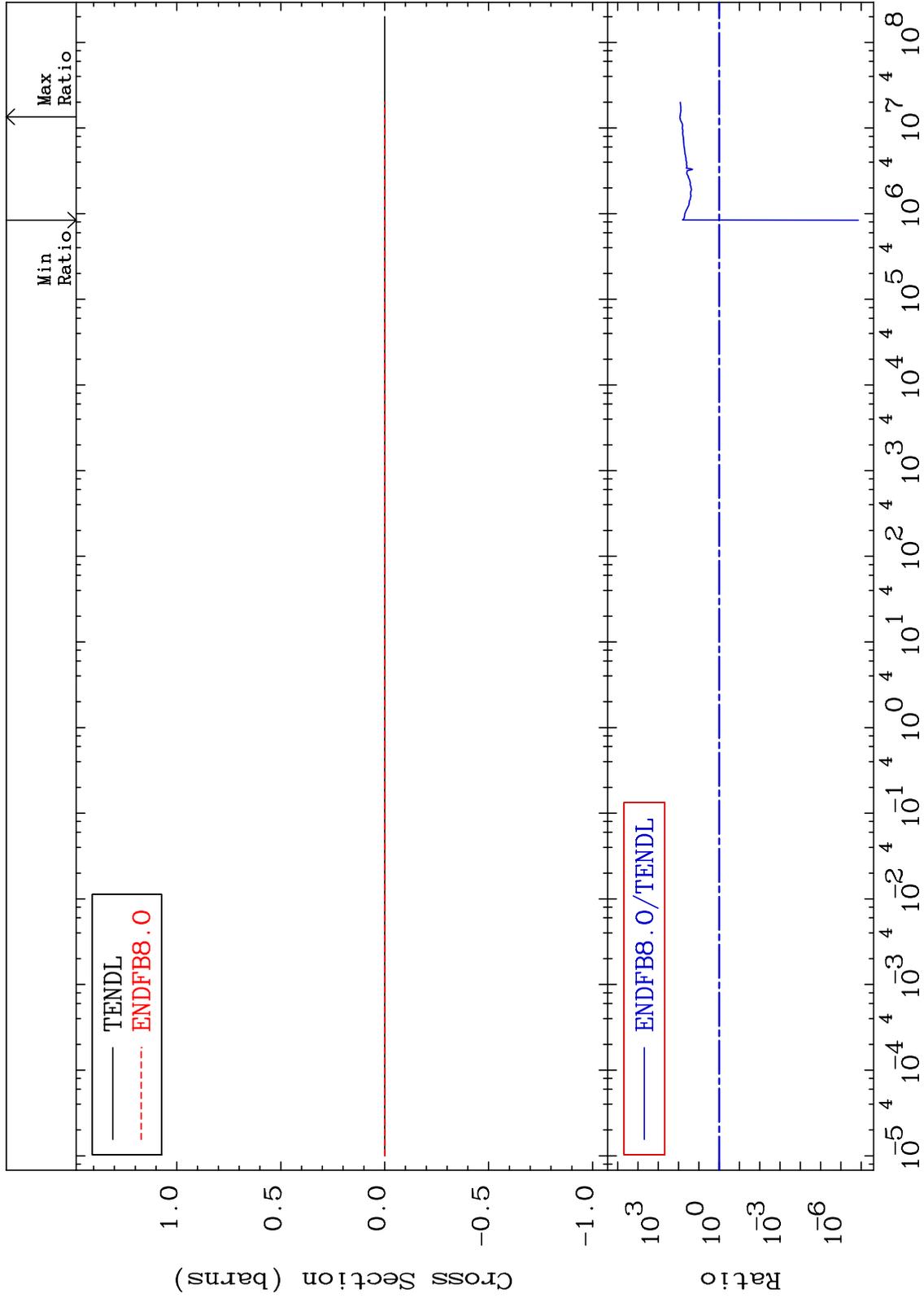
Incident Energy (eV)

44-Ru-96

MAT 4425

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

44-Ru-96
-100.0 To 8417. %



38

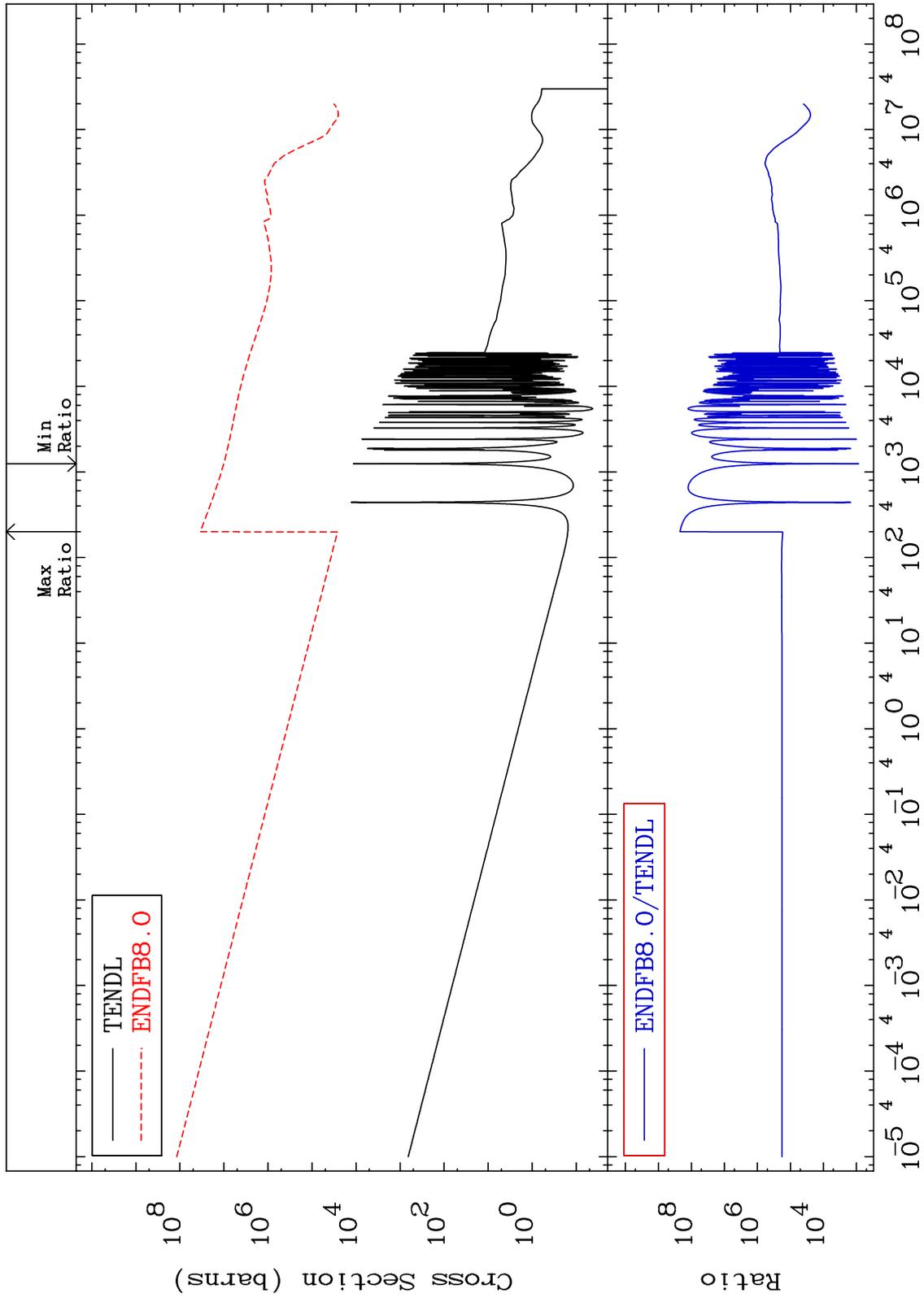
Incident Energy (eV)

44-Ru-96

MAT 4425

Kerma capture (mt102)
Cross Section

44-Ru-96
9999. To 9999. %



39

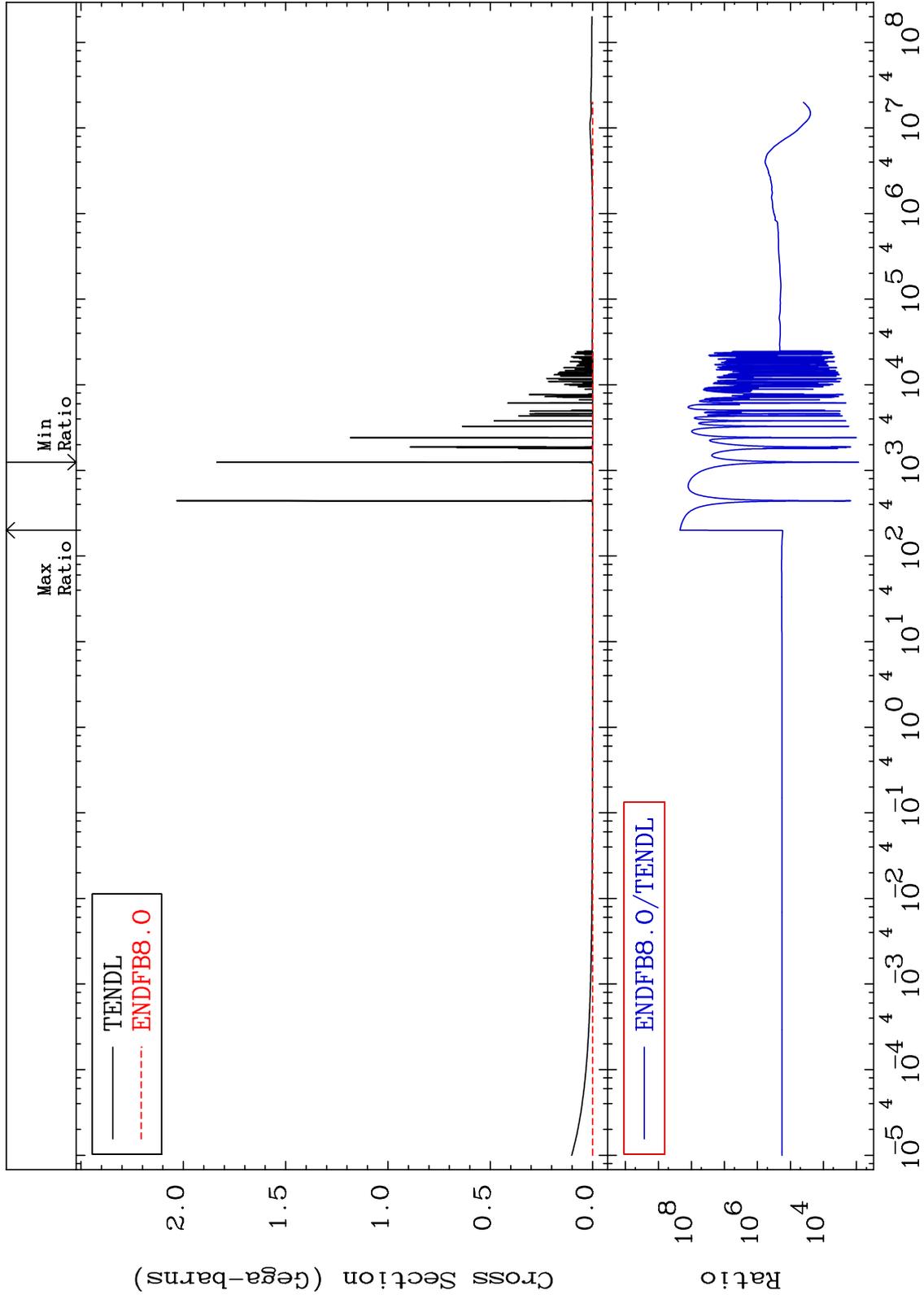
Incident Energy (eV)

44-Ru-96

MAT 4425

Total photon (eV-barns)
Cross Section

44-Ru-96
9999. To 9999. %

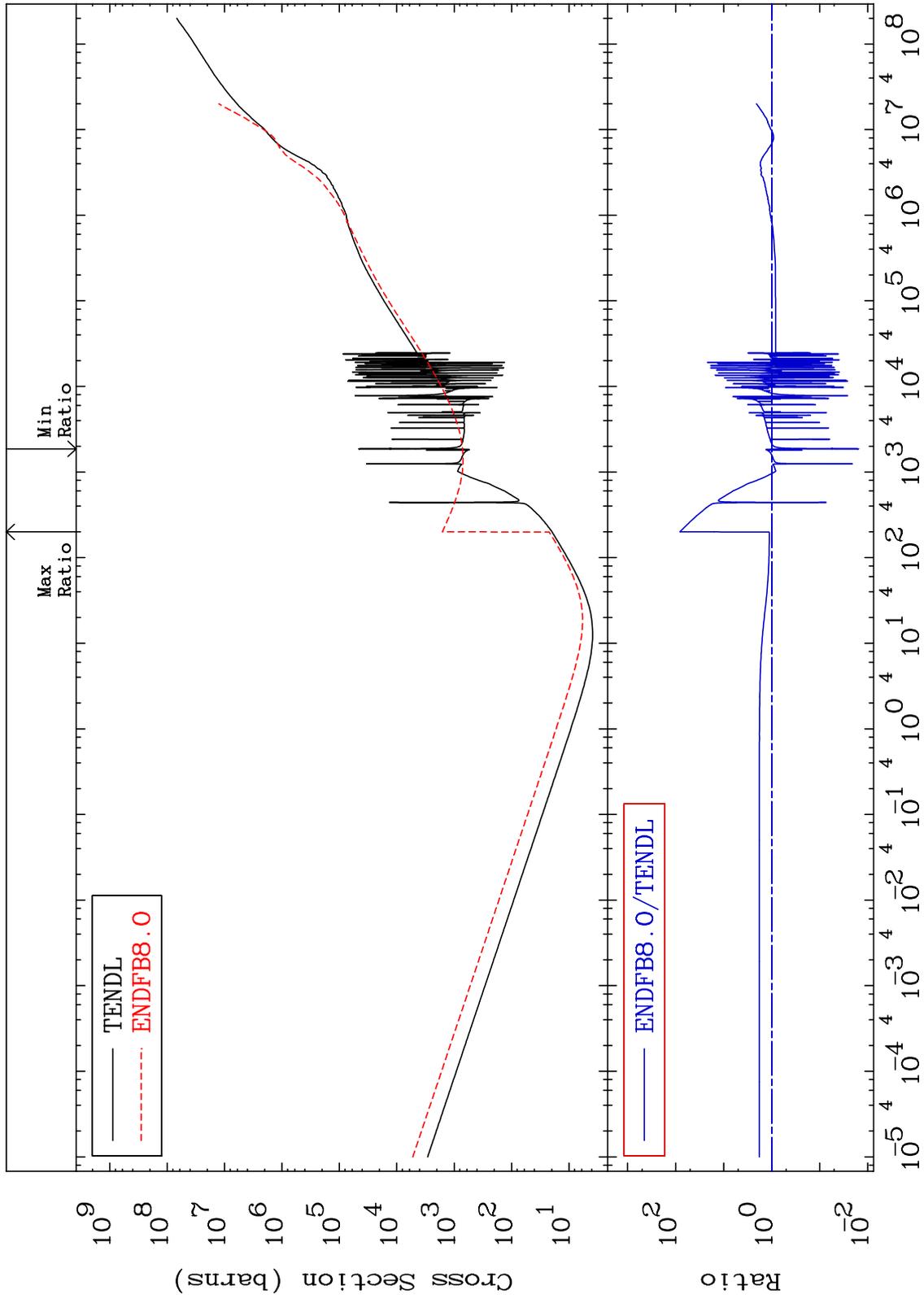


40

MAT 4425

Total kinematic kerma (high limit)
Cross Section

44-Ru-96
-98.43 To 8031. %



41

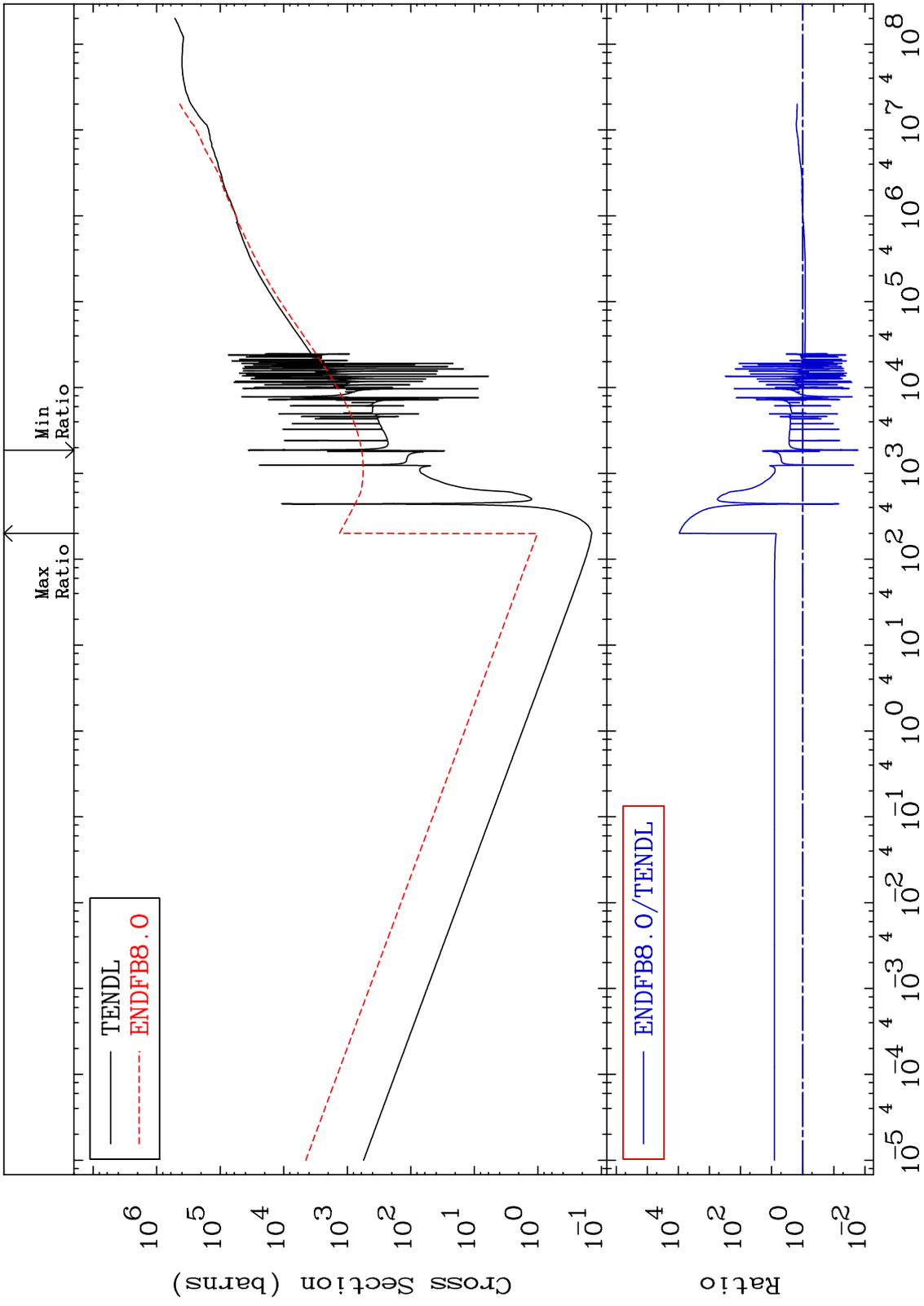
Incident Energy (eV)

44-Ru-96

MAT 4425

Dpa total (eV-barns)
Cross Section

44-Ru-96
-98.36 To 9999. %



42

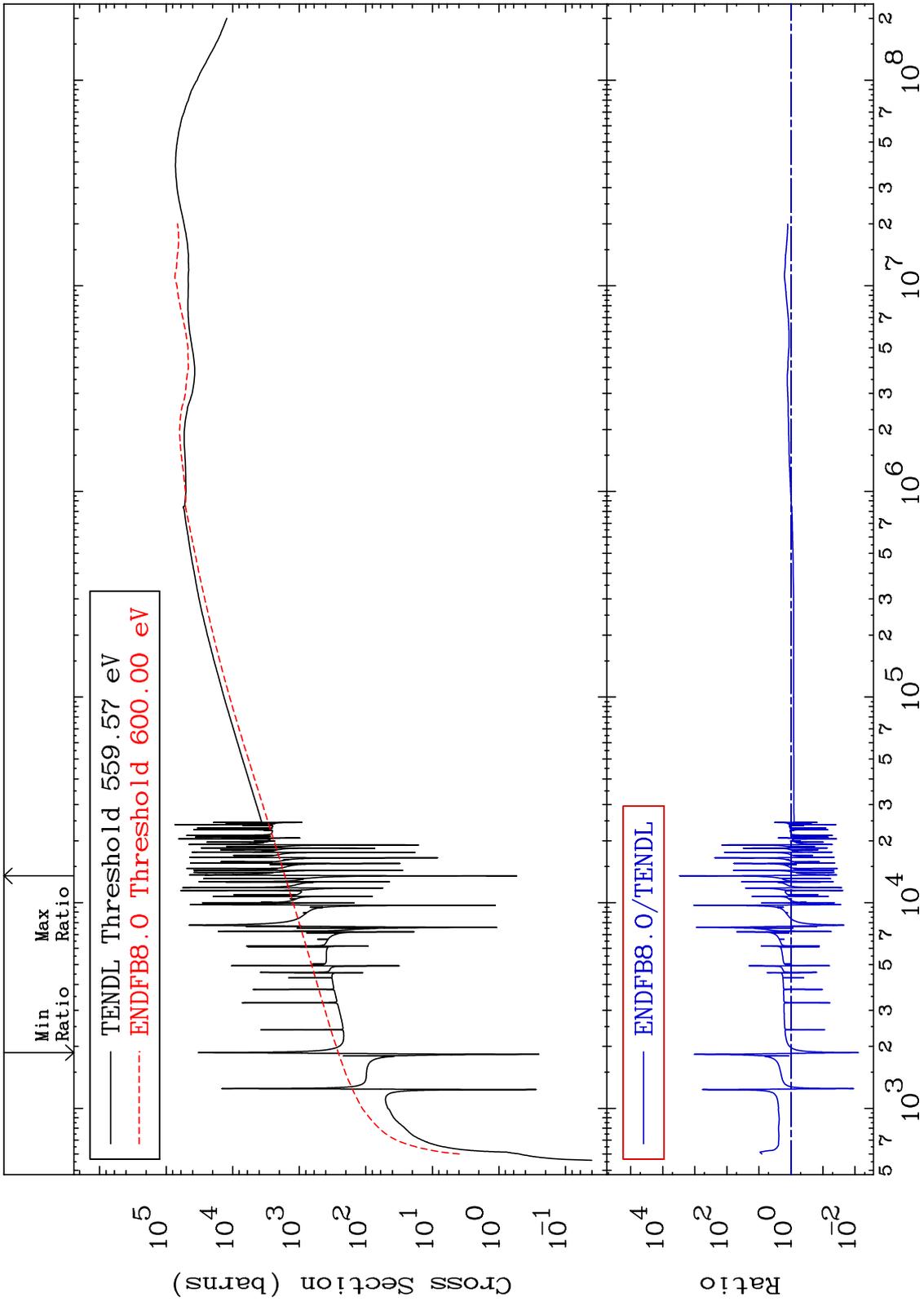
Incident Energy (eV)

44-Ru-96

MAT 4425

Dpa elastic (mt2)
Cross Section

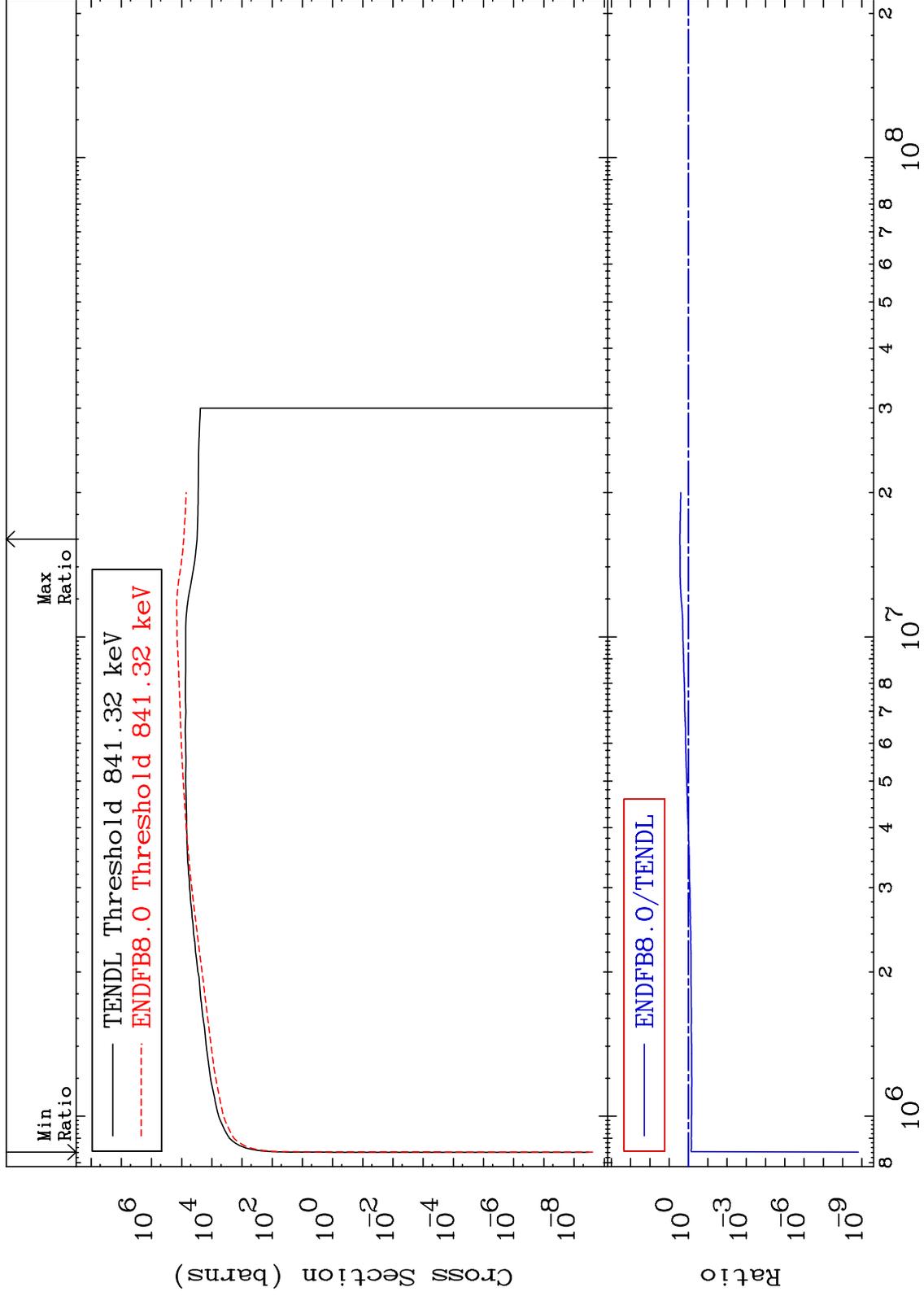
44-Ru-96
-99.21 To 9999. %



MAT 4425

Dpa inelastic (mt51-91)
Cross Section

44-Ru-96
-100.0 To 175.8 %



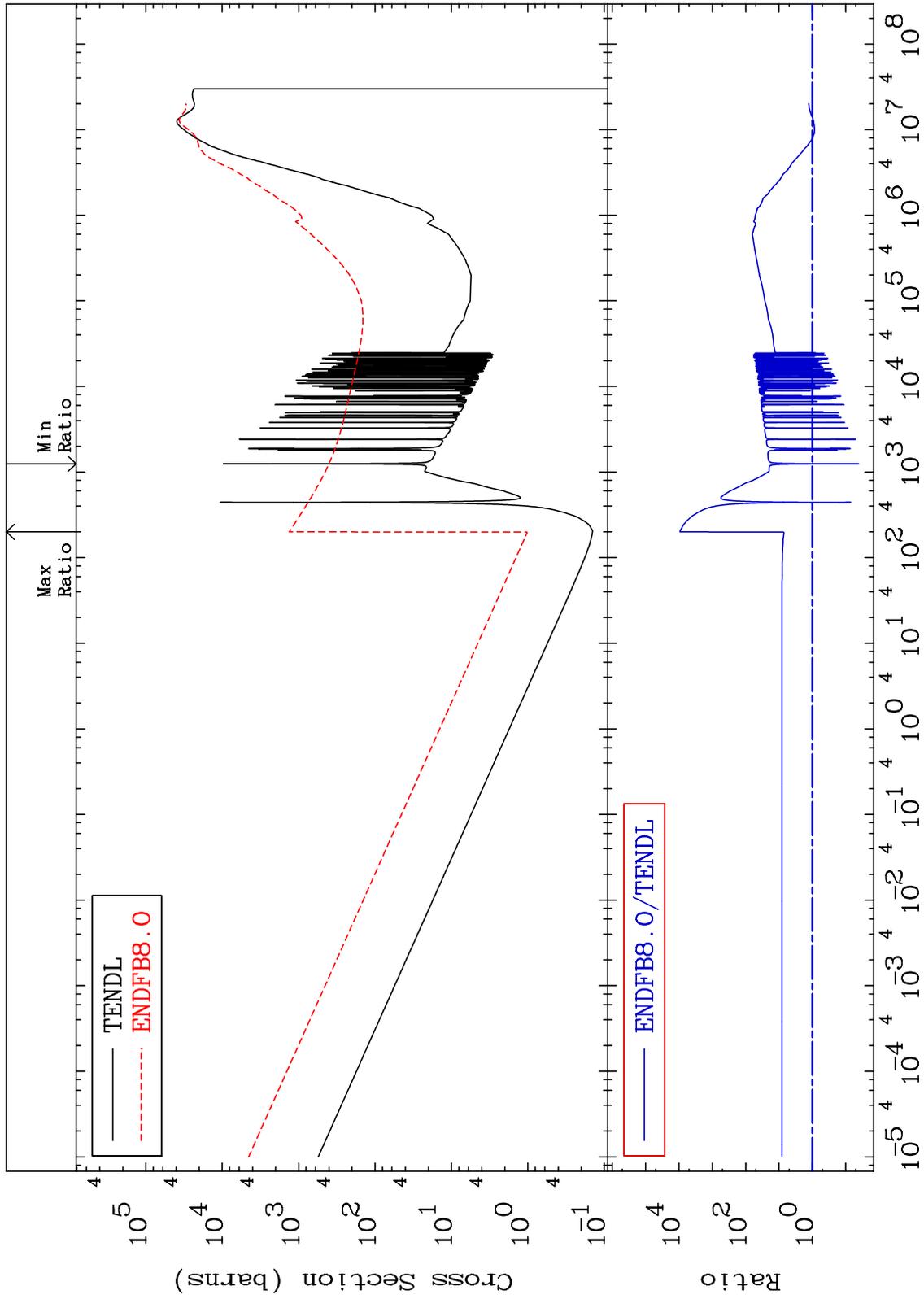
44

44-Ru-96

MAT 4425

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-96
-95.81 To 9999. %



45

Incident Energy (eV)

44-Ru-96