

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

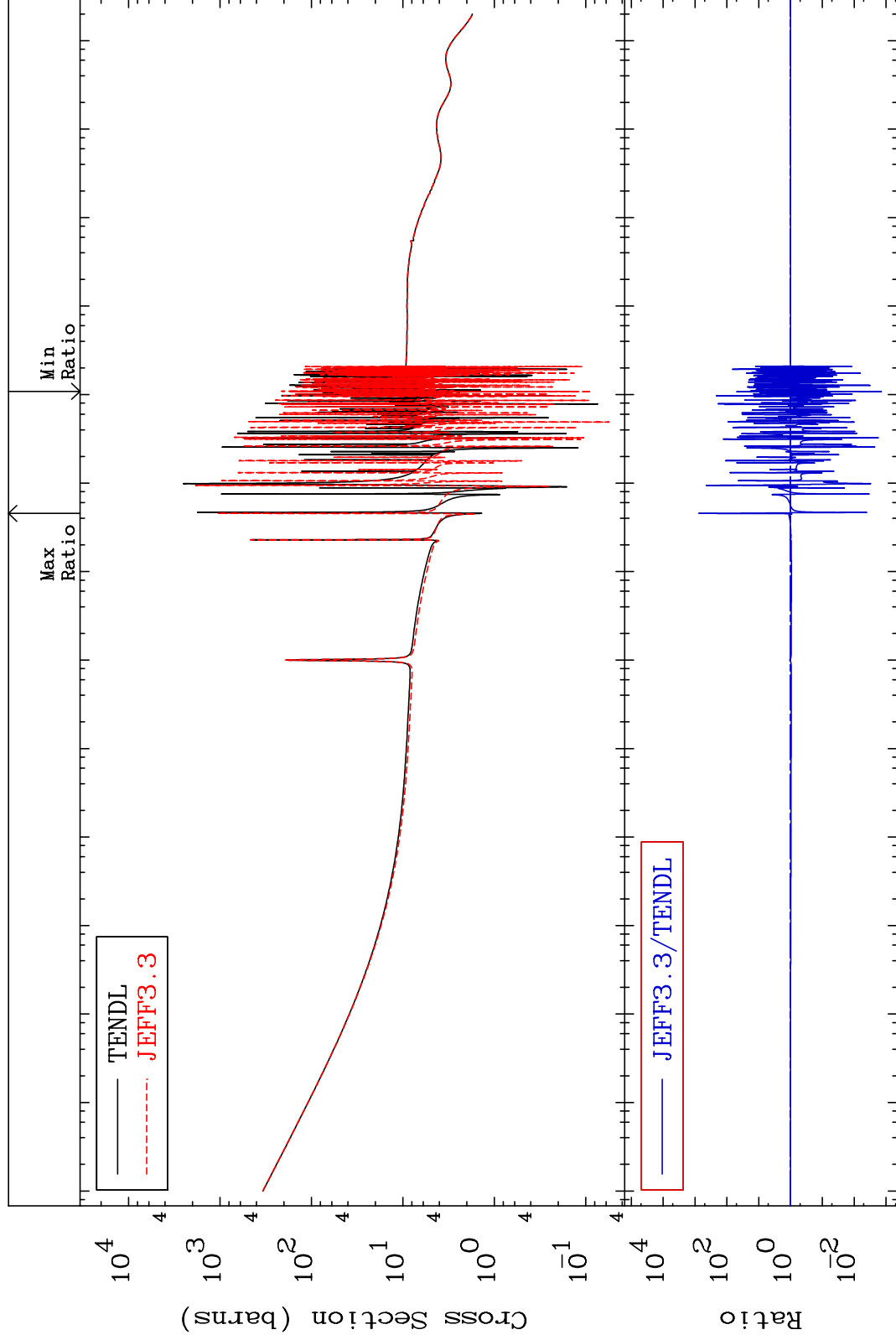
MAT 4437

Total

44-Ru-100

Cross Section

-99.86 To 9999. %



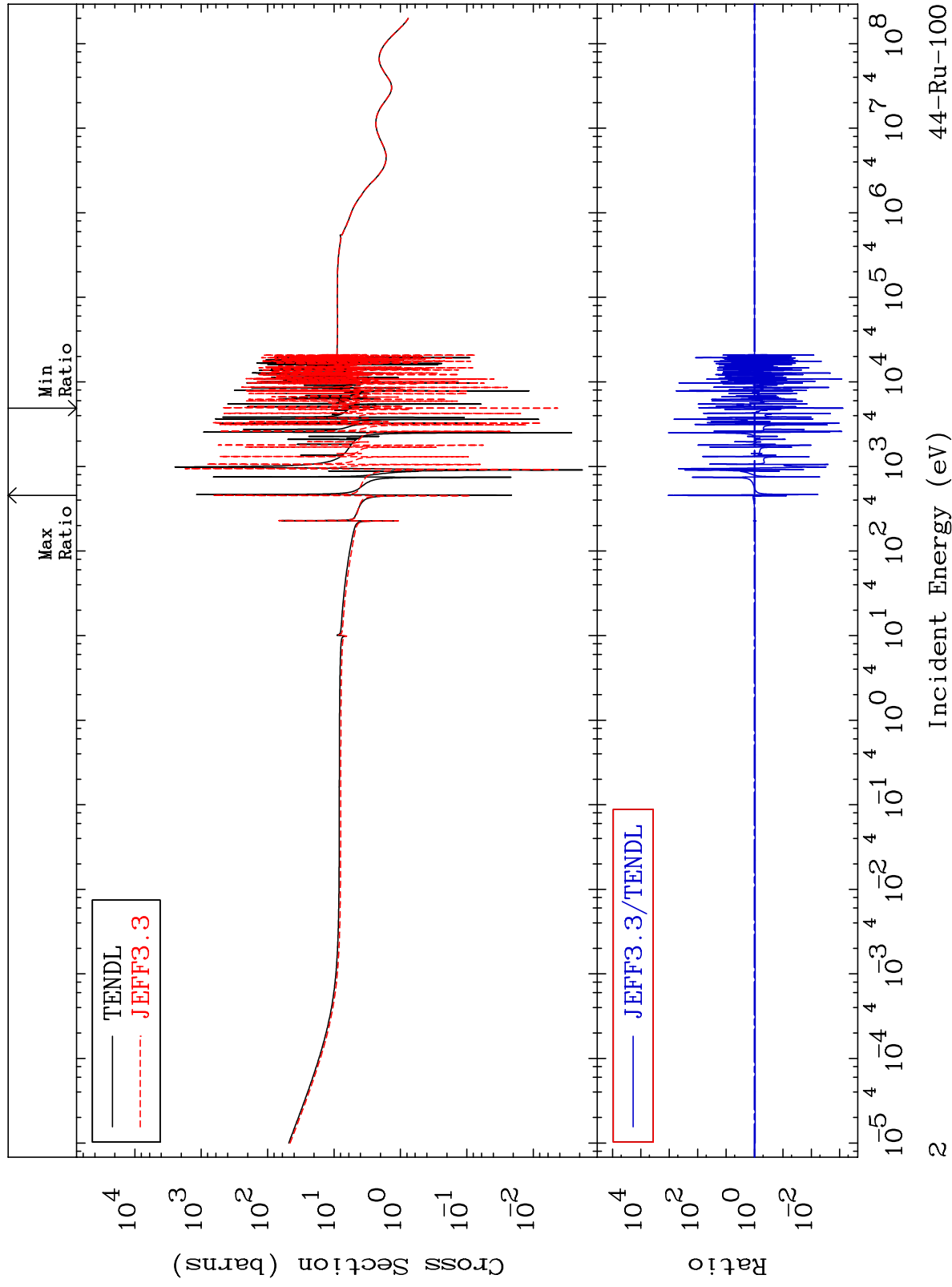
Incident Energy (eV)

44-Ru-100

MAT 4437

Elastic
Cross Section

44-Ru-100
-99.92 To 9999. %



44-Ru-100

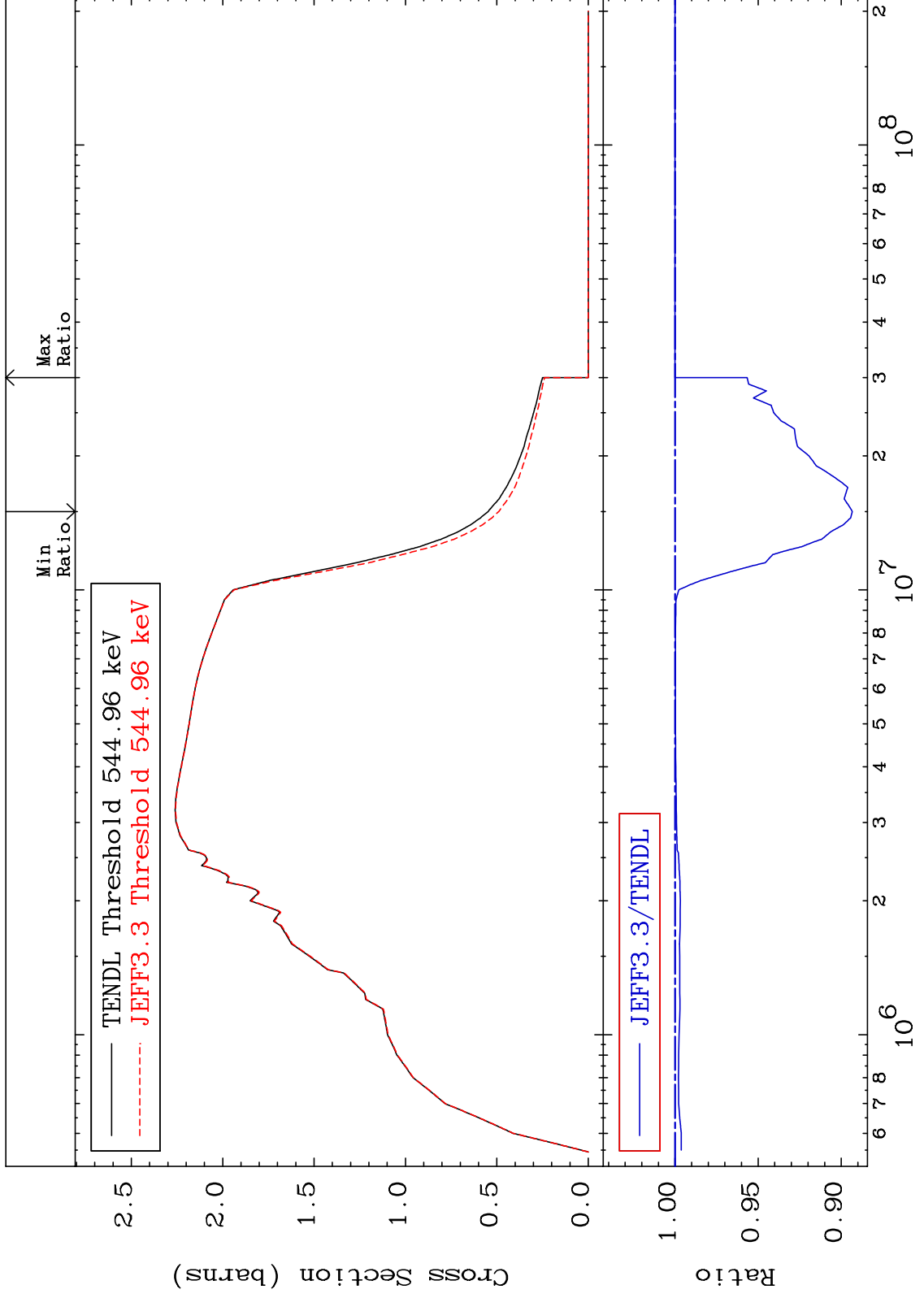
Incident Energy (eV)

MAT 4437

44-Ru-100

Inelastic
Cross Section

-10.66 To 0.000 %



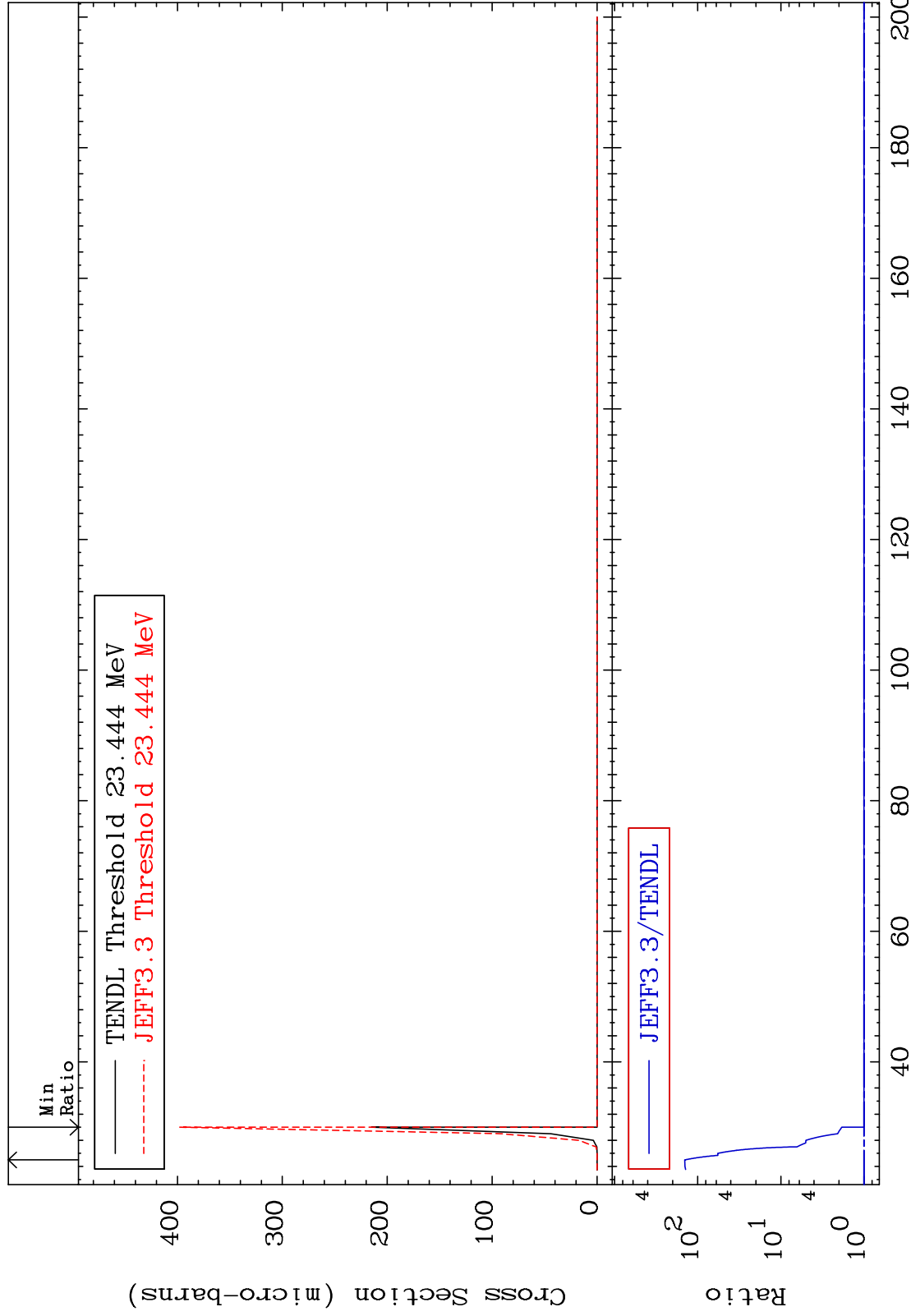
MAT 4437

(n,2n) d

44-Ru-100

Cross Section

0.000 To 9999. %



4

Incident Energy (MeV)

44-Ru-100

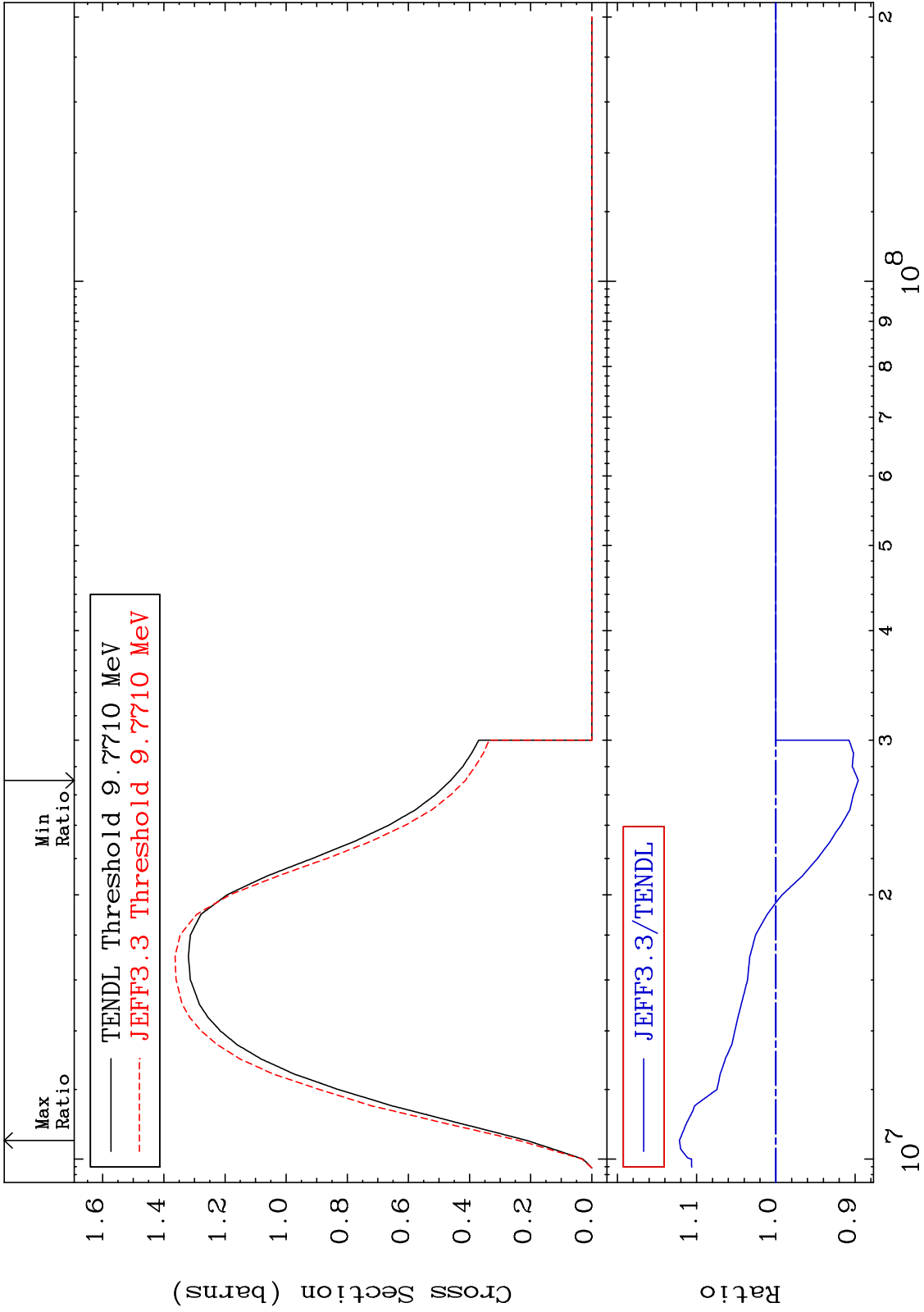
MAT 4437

(n,2n)

44-Ru-100

Cross Section

-10.39 To 12.17 %



44-Ru-100

44-Ru-100

MAT 4437

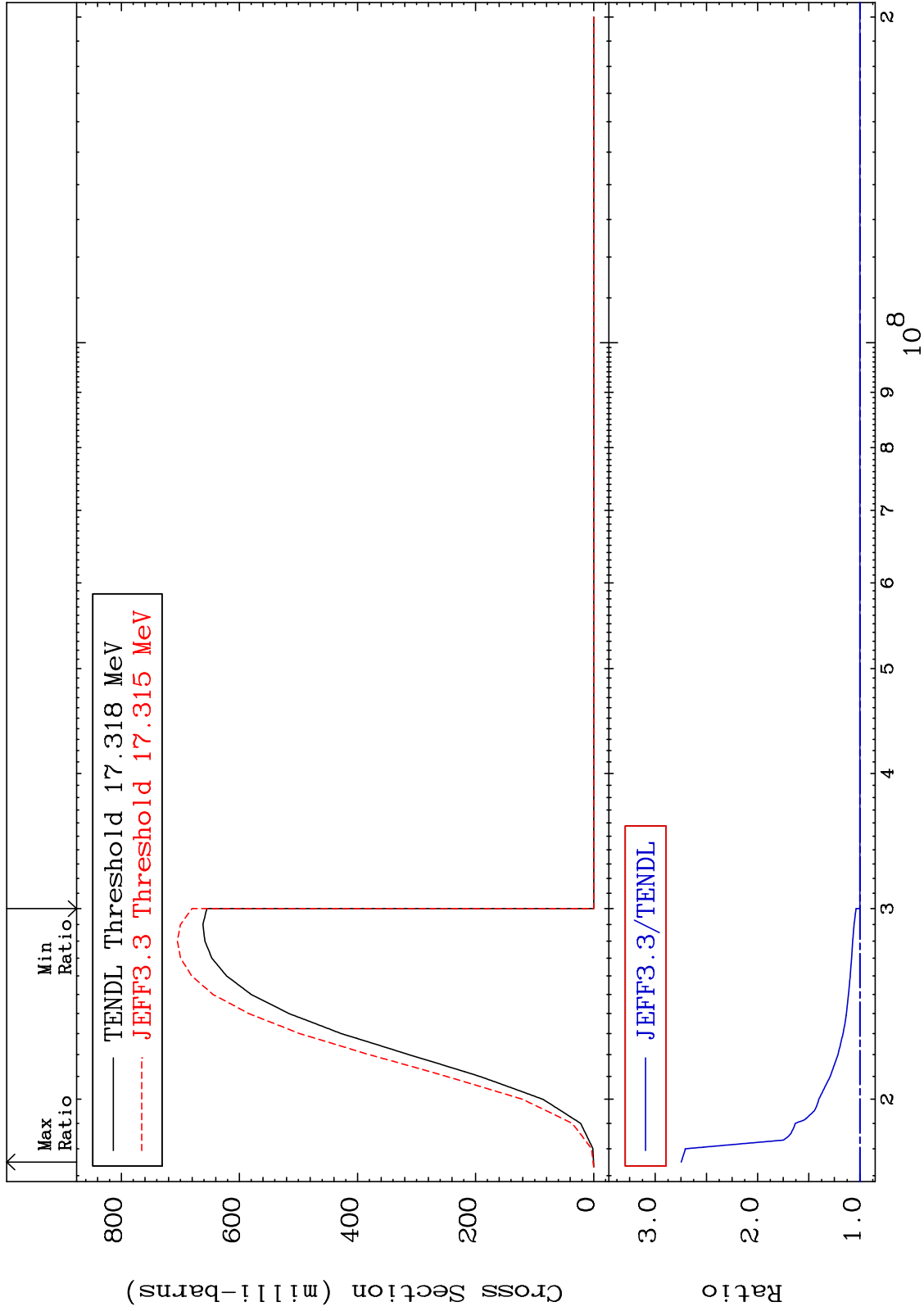
(n, 3n)

44-Ru-100

Cross Section

0.000

To 174.6 %



MAT 4437

(n, n') α

44-Ru-100

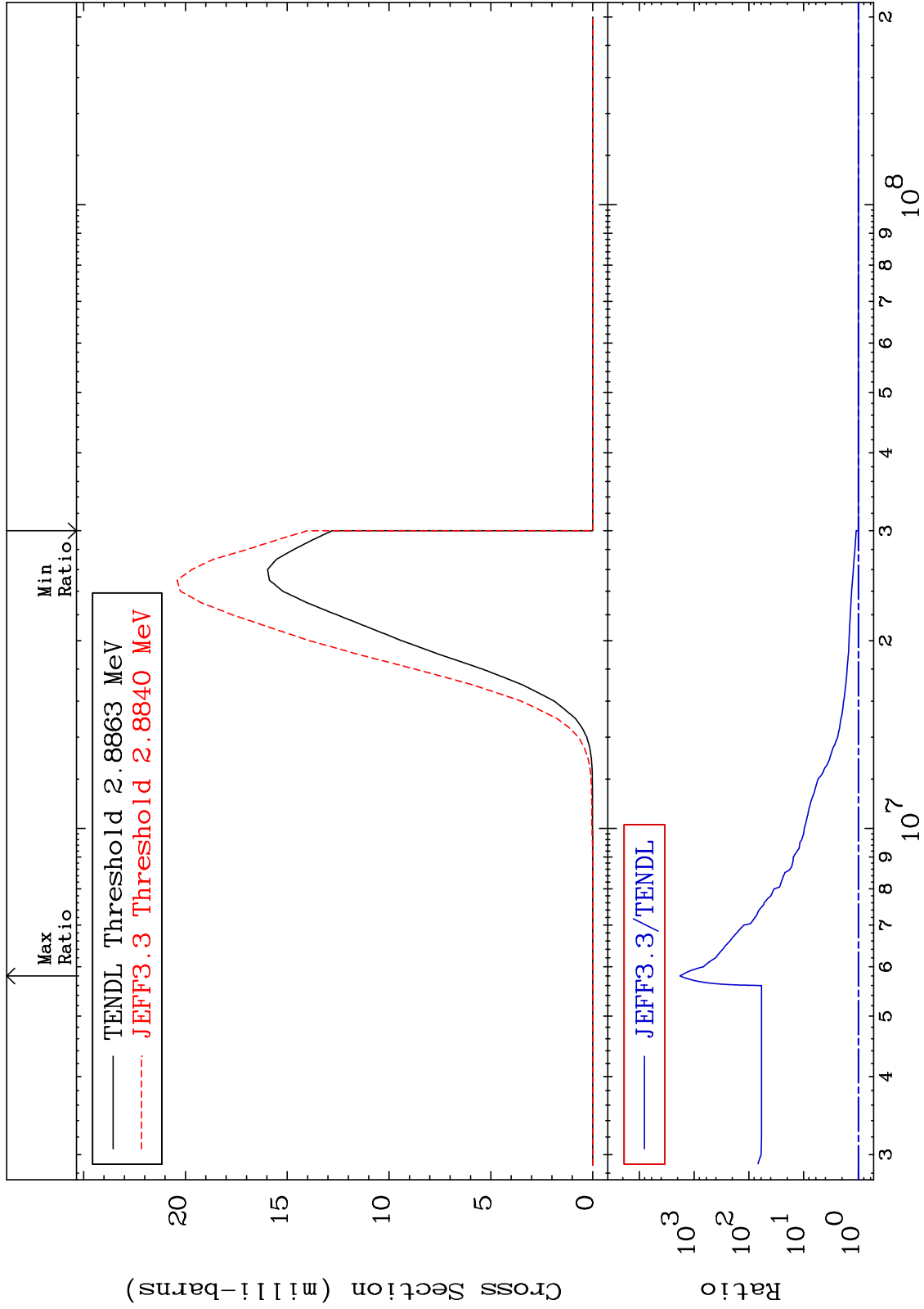
Cross Section

Cross Section

(n, n') α

44-Ru-100

0.000 To 9999. %



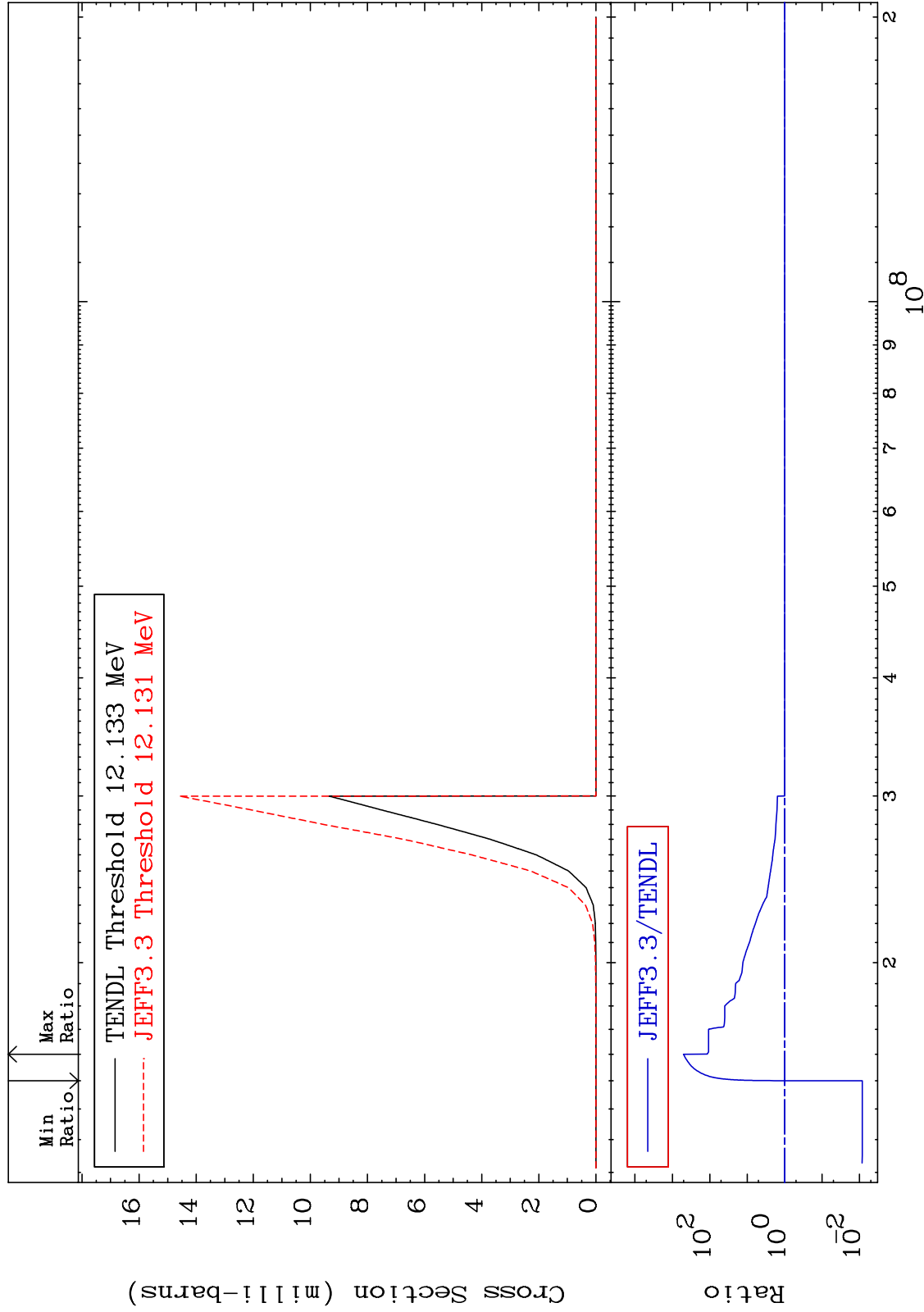
MAT 4437

(n,2n) α

44-Ru-100

Cross Section

-99.16 To 9999. %



MAT 4437

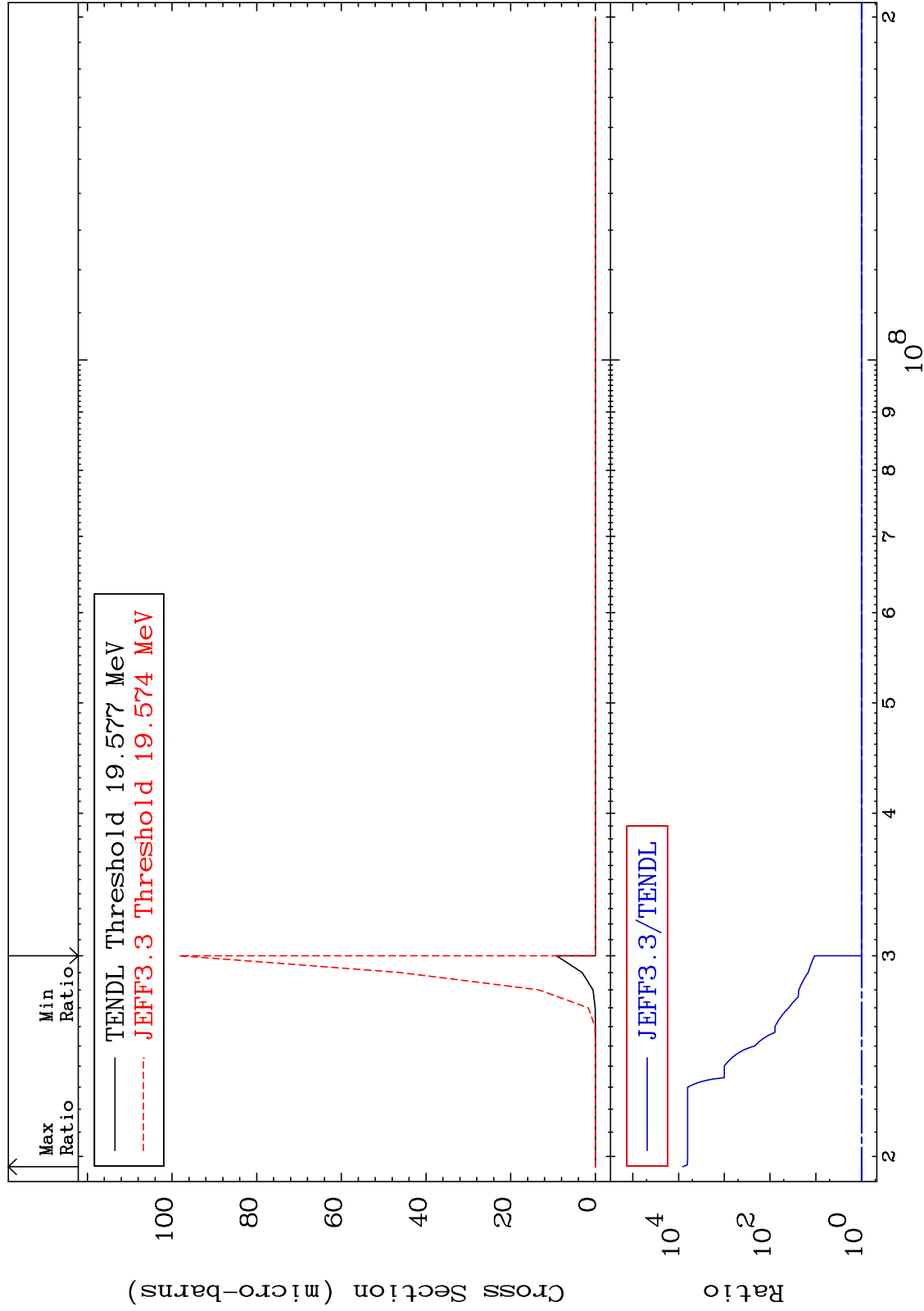
(n,3n) α

44-Ru-100

Cross Section

0.000

To 9999. %



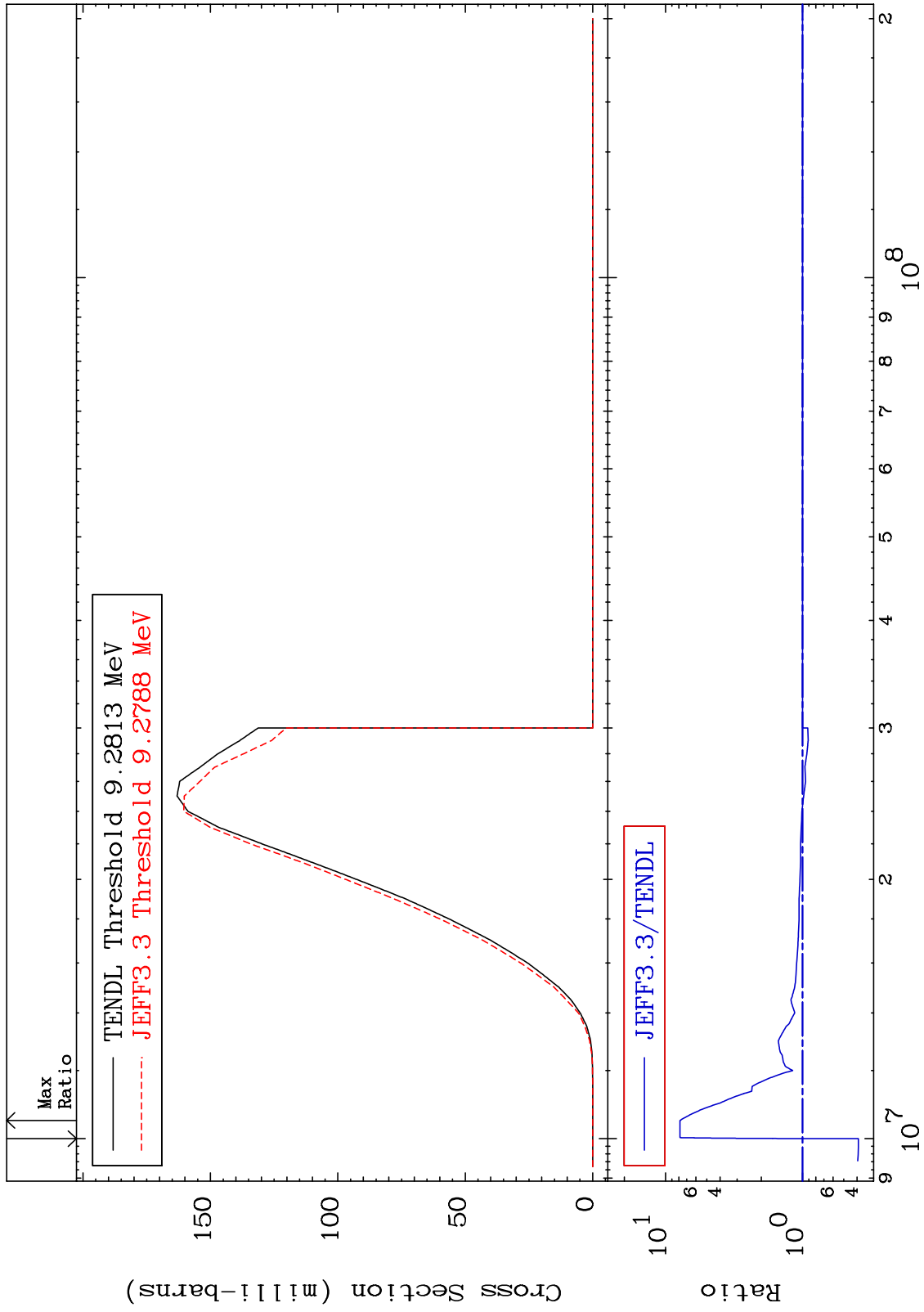
MAT 4437

(n,n') p

44-Ru-100

Cross Section

-60.86 To 684.0 %



44-Ru-100

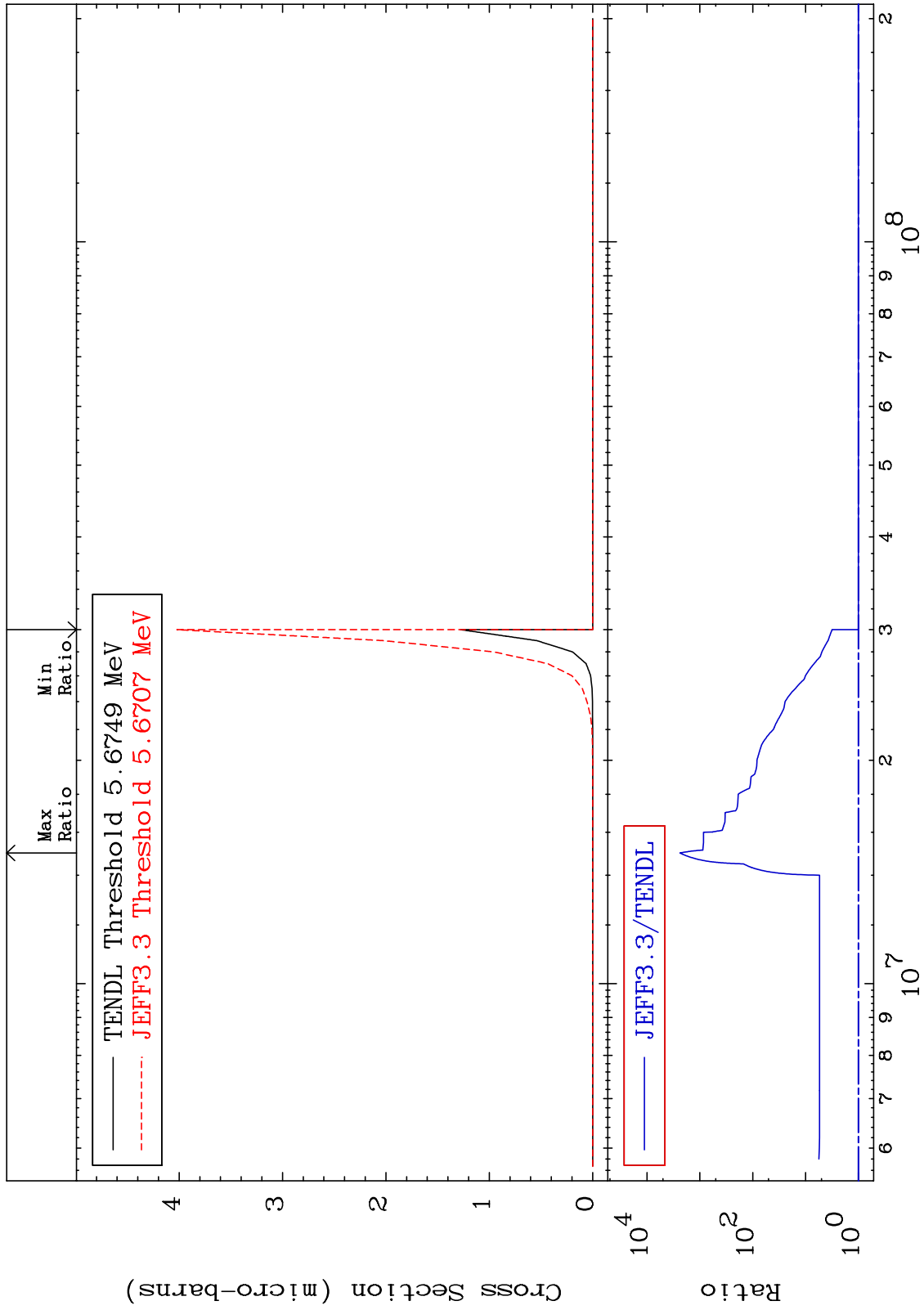
MAT 4437

(n, n') 2α

44-Ru-100

0.000 To 9999. %

Cross Section



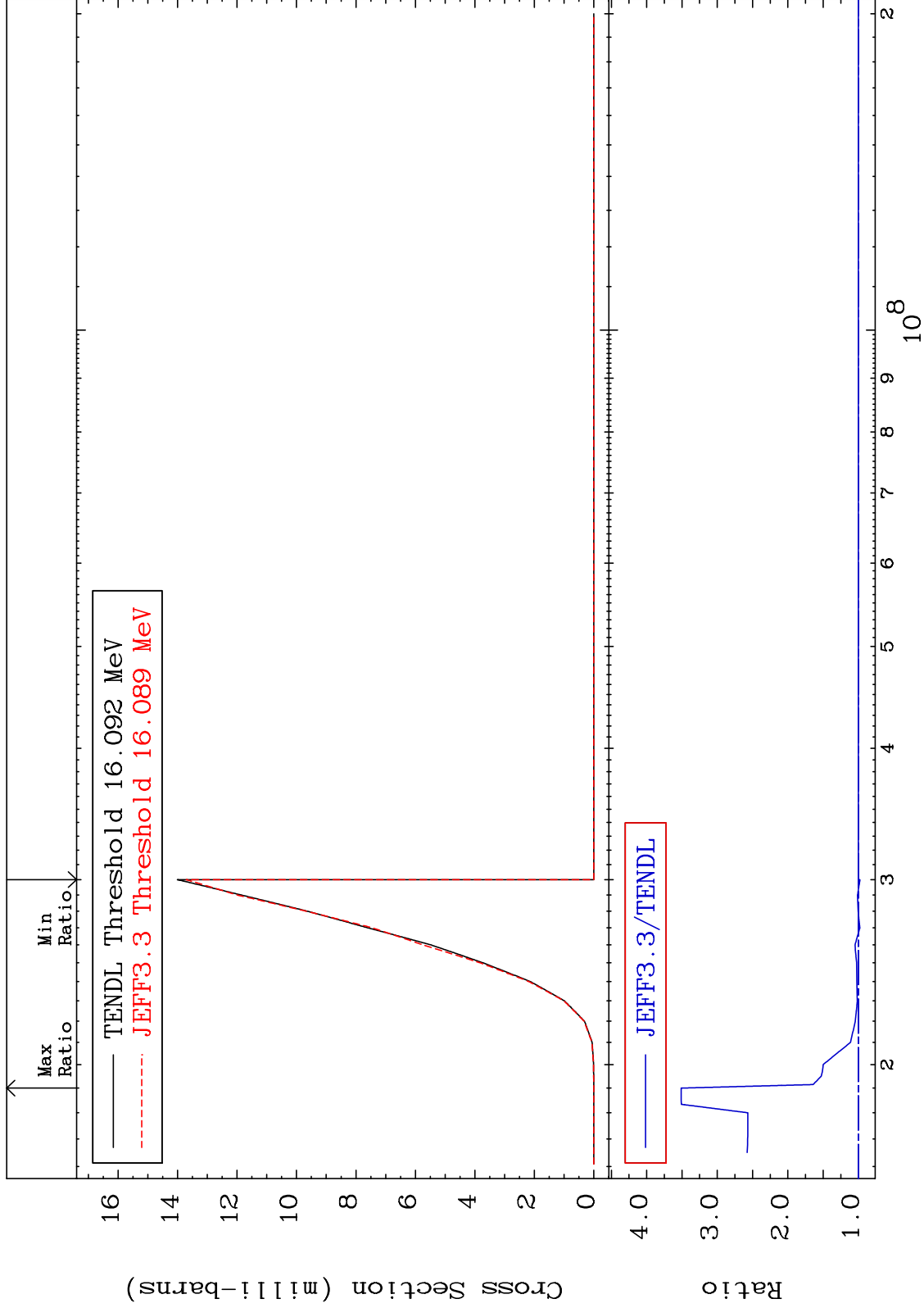
MAT 4437

(n, n') d

44-Ru-100

Cross Section

-2.129 To 251.1 %



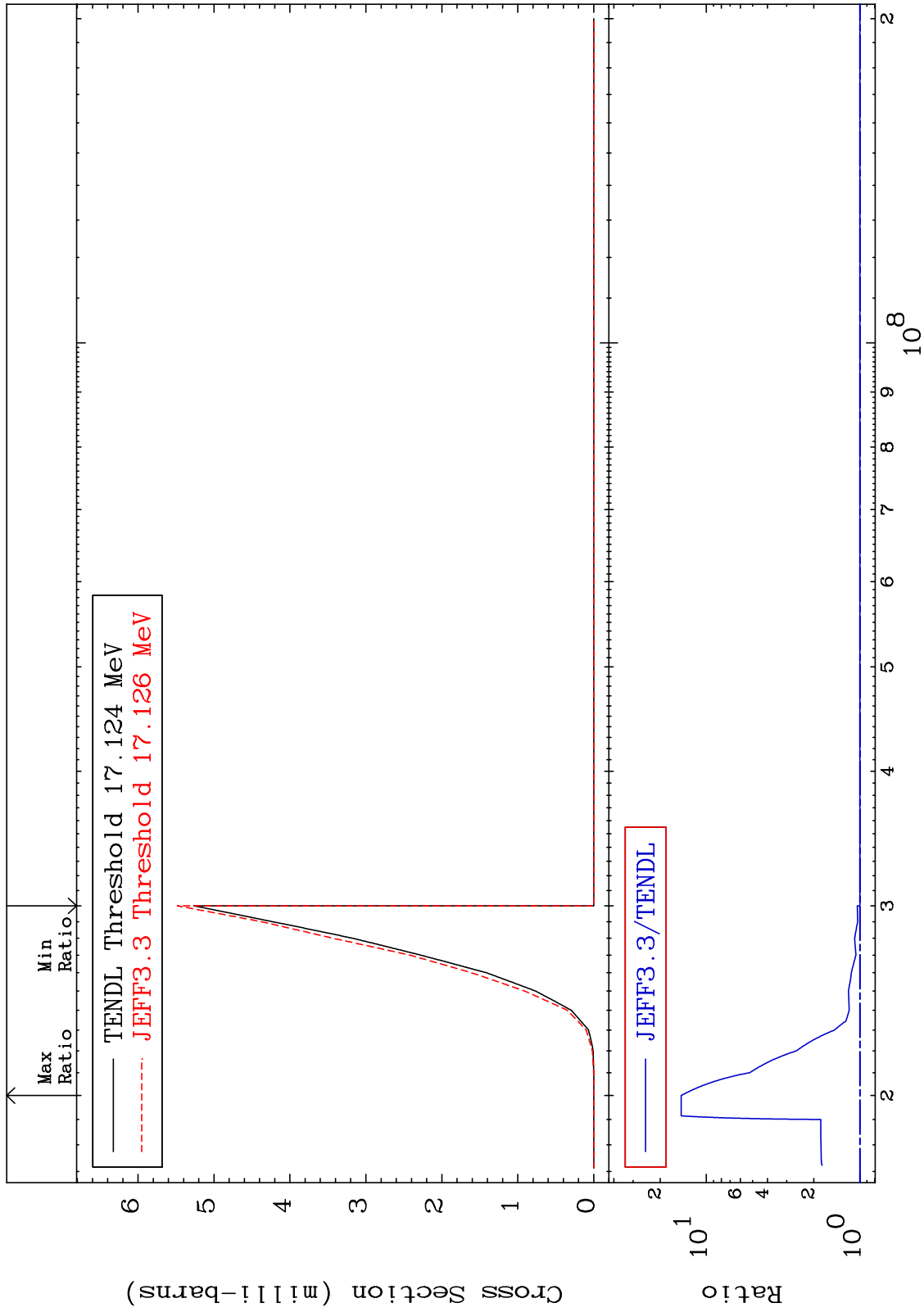
MAT 4437

(n,n') t

44-Ru-100

Cross Section

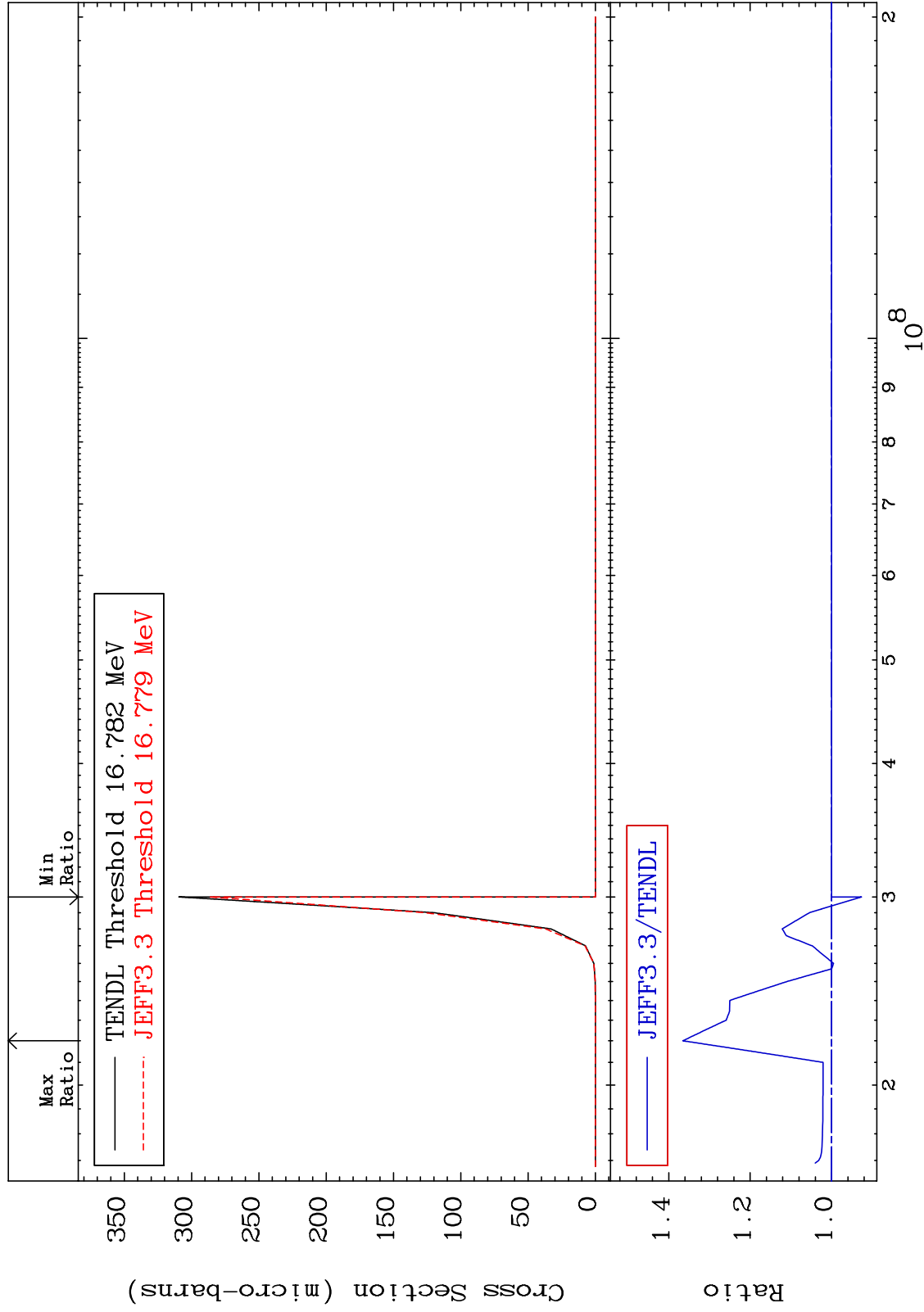
0.000 To 1358. %



MAT 4437

(n, n') He-3
Cross Section

44-Ru-100
-7.357 To 36.53 %



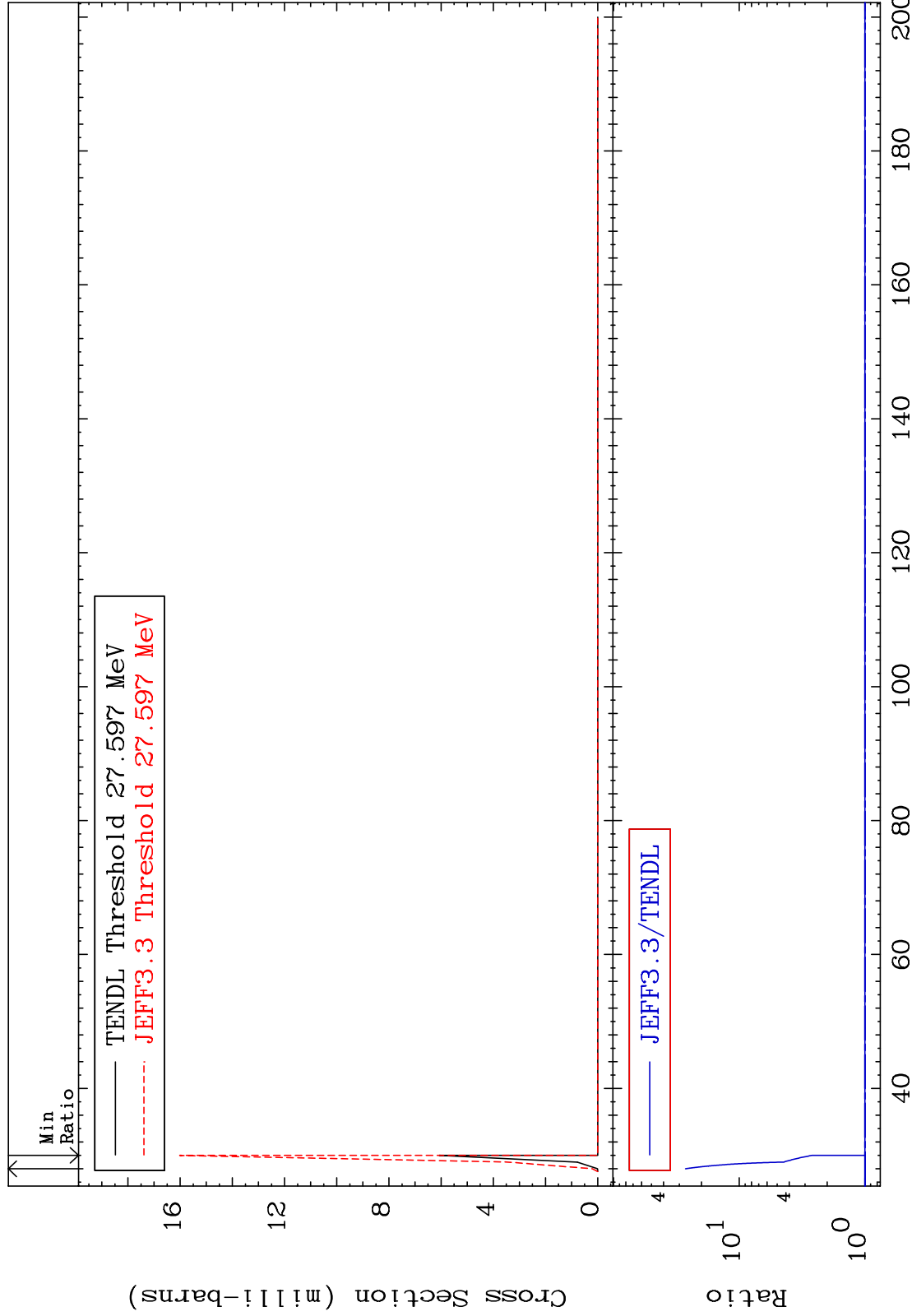
MAT 4437

(n, 4n)

44-Ru-100

Cross Section

0.000 To 2577. %



15

Incident Energy (MeV)

44-Ru-100

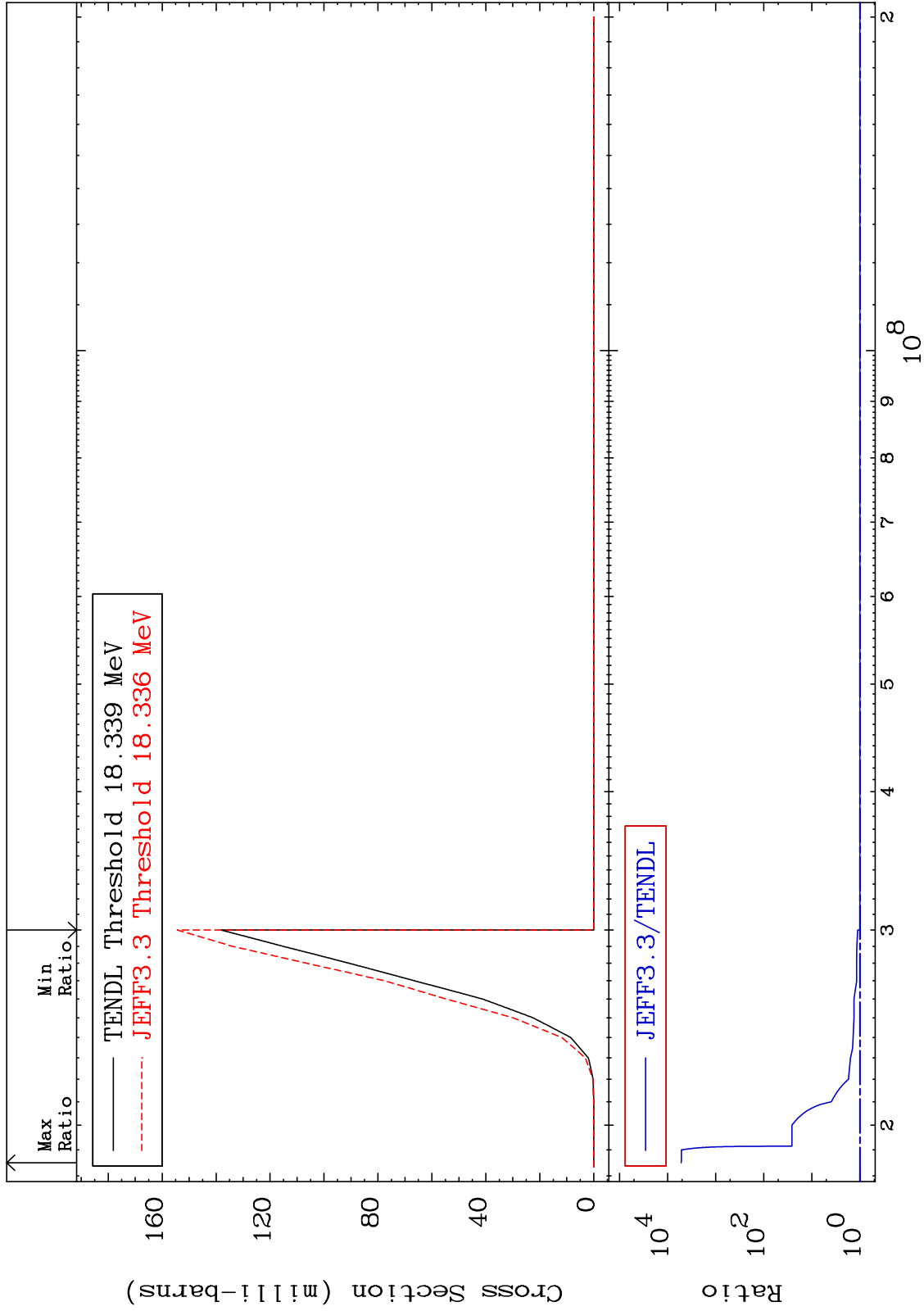
MAT 4437

(n,2n) p

44-Ru-100

Cross Section

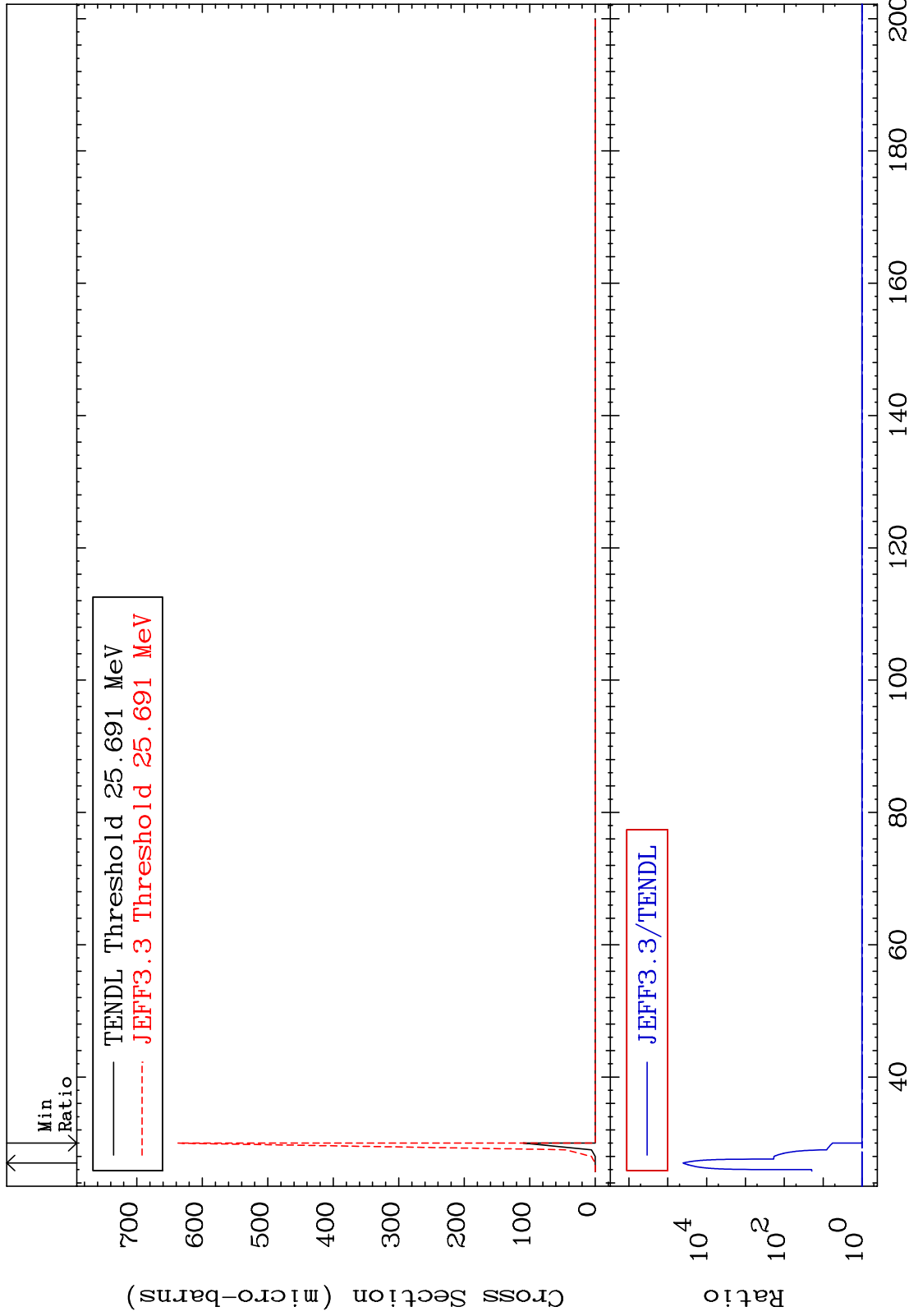
0.000 To 9999. %



MAT 4437

(n,3n) p
Cross Section

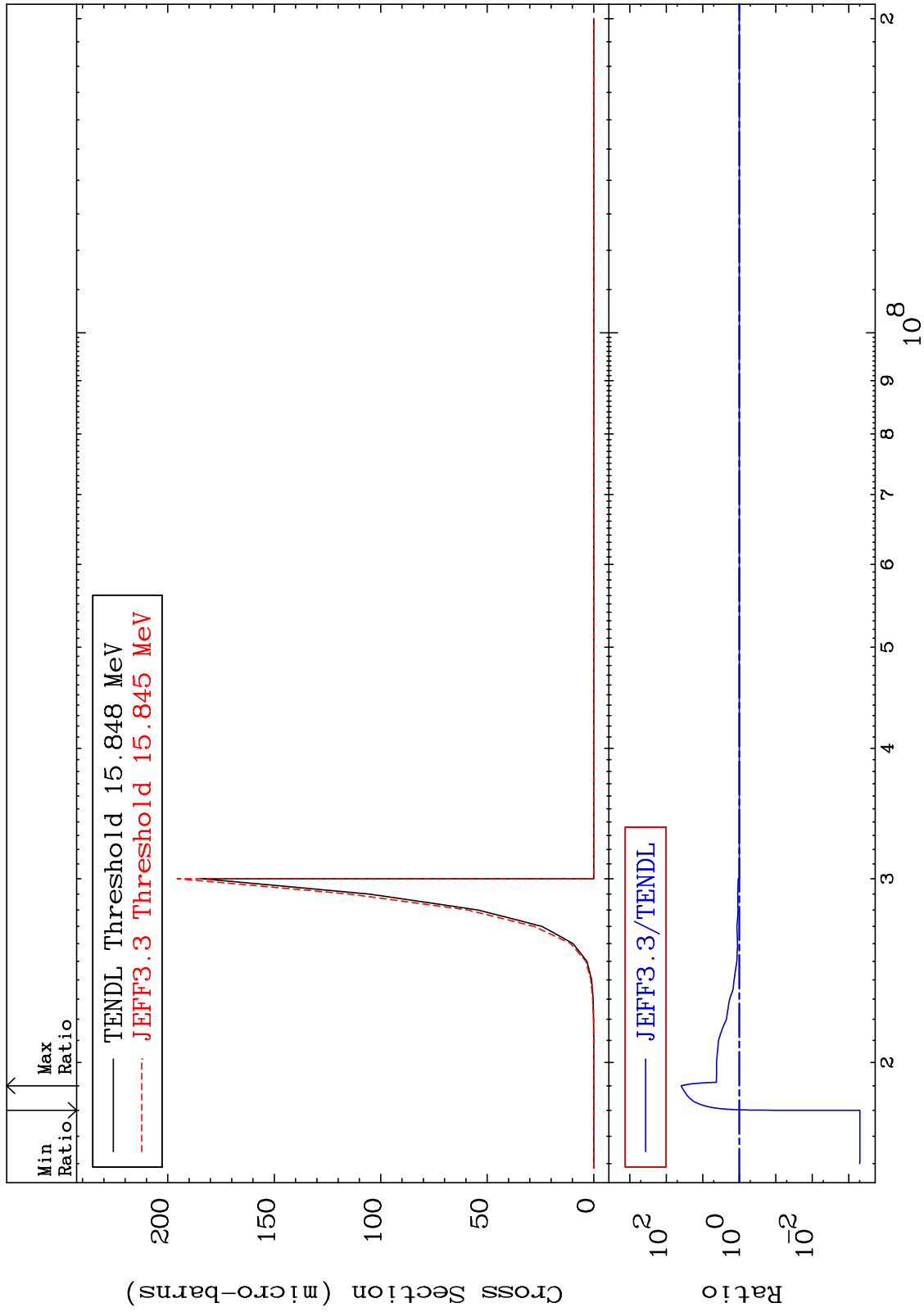
44-Ru-100
0.000 To 9999. %



MAT 4437

(n,2n) p
Cross Section

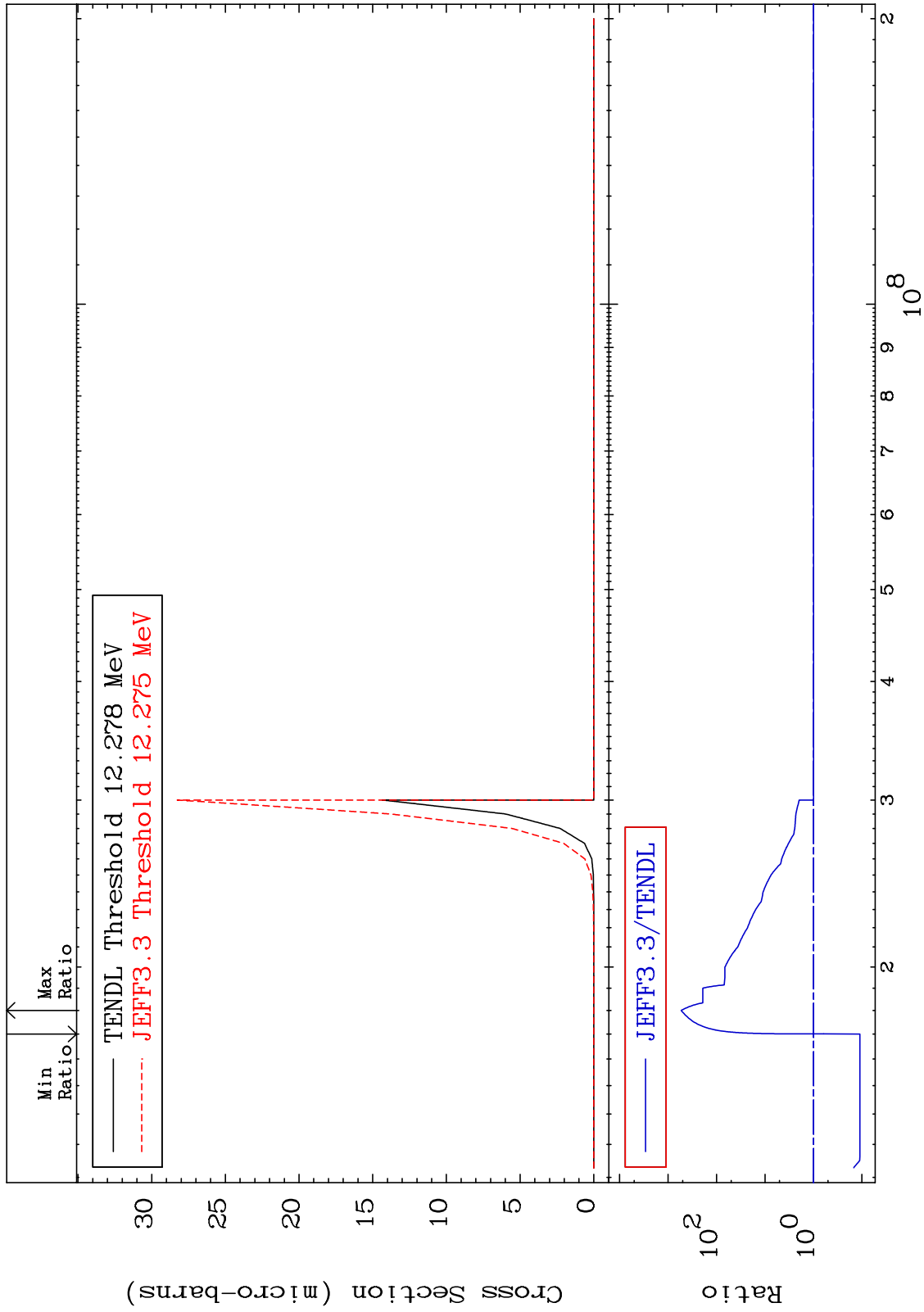
44-Ru-100
-99.95 To 3775. %



MAT 4437

(n,n') p α
Cross Section

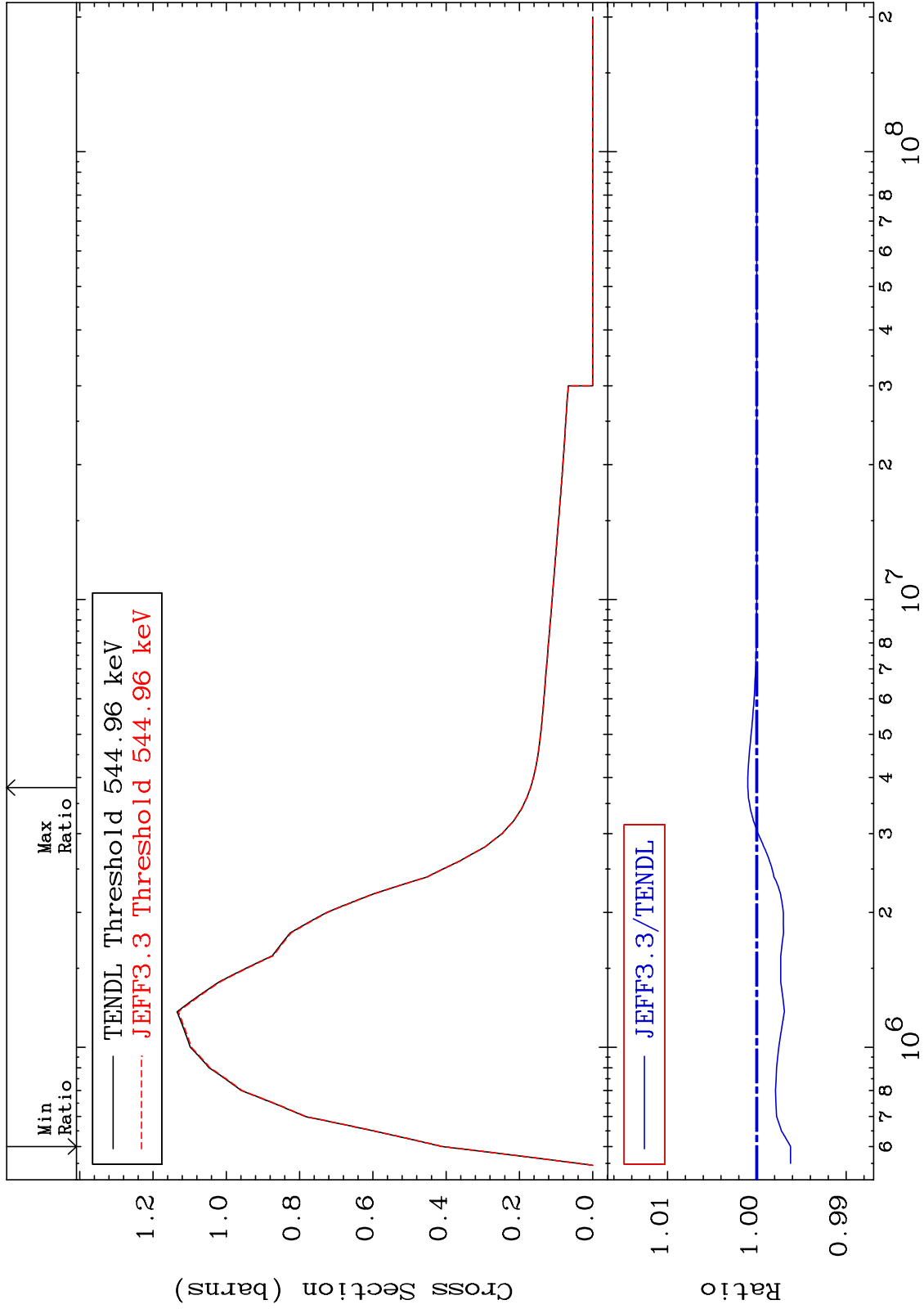
44-Ru-100
-89.01 To 9999. %



MAT 4437

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

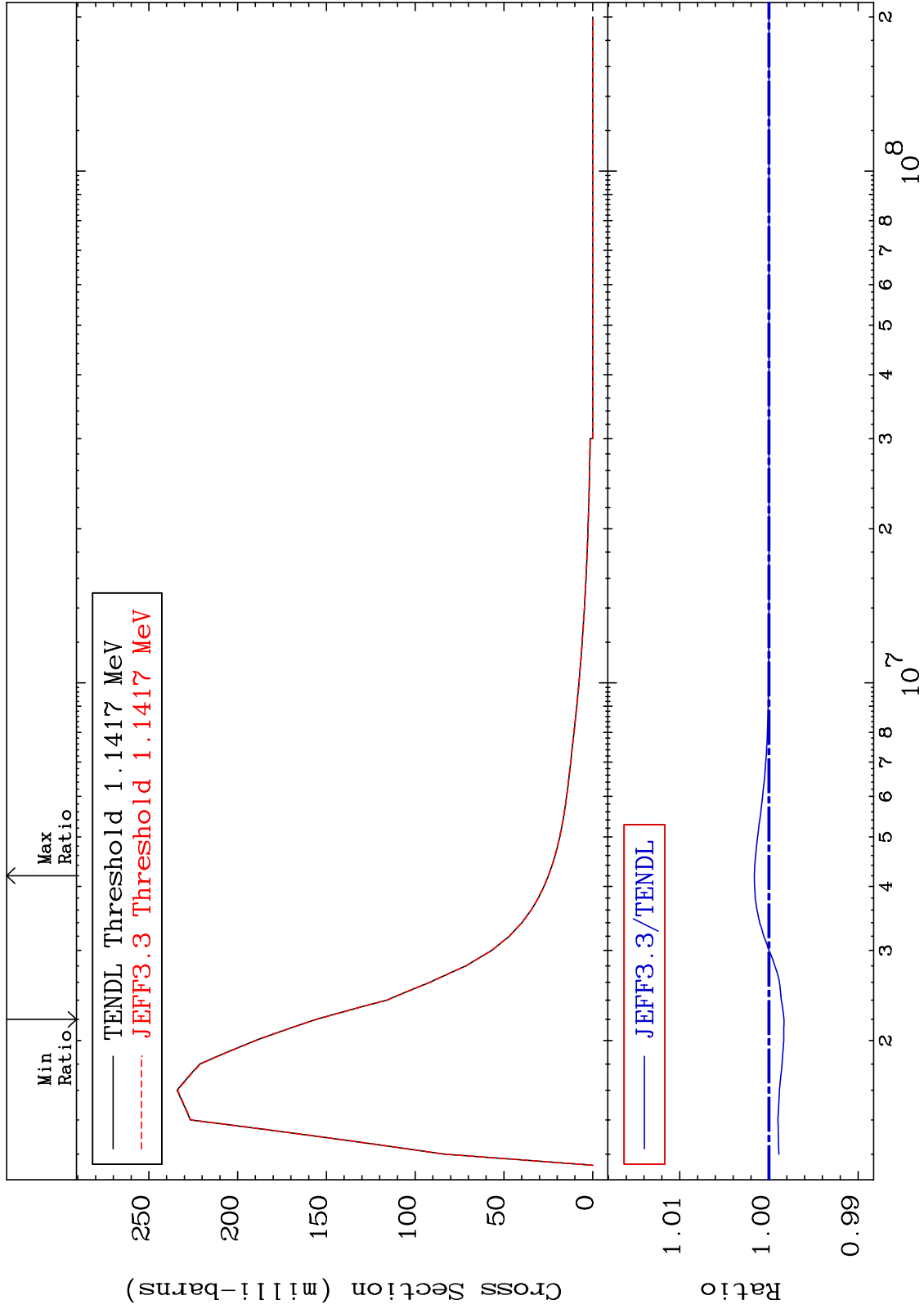
44-Ru-100
-0.379 To 0.100 %



MAT 4437

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

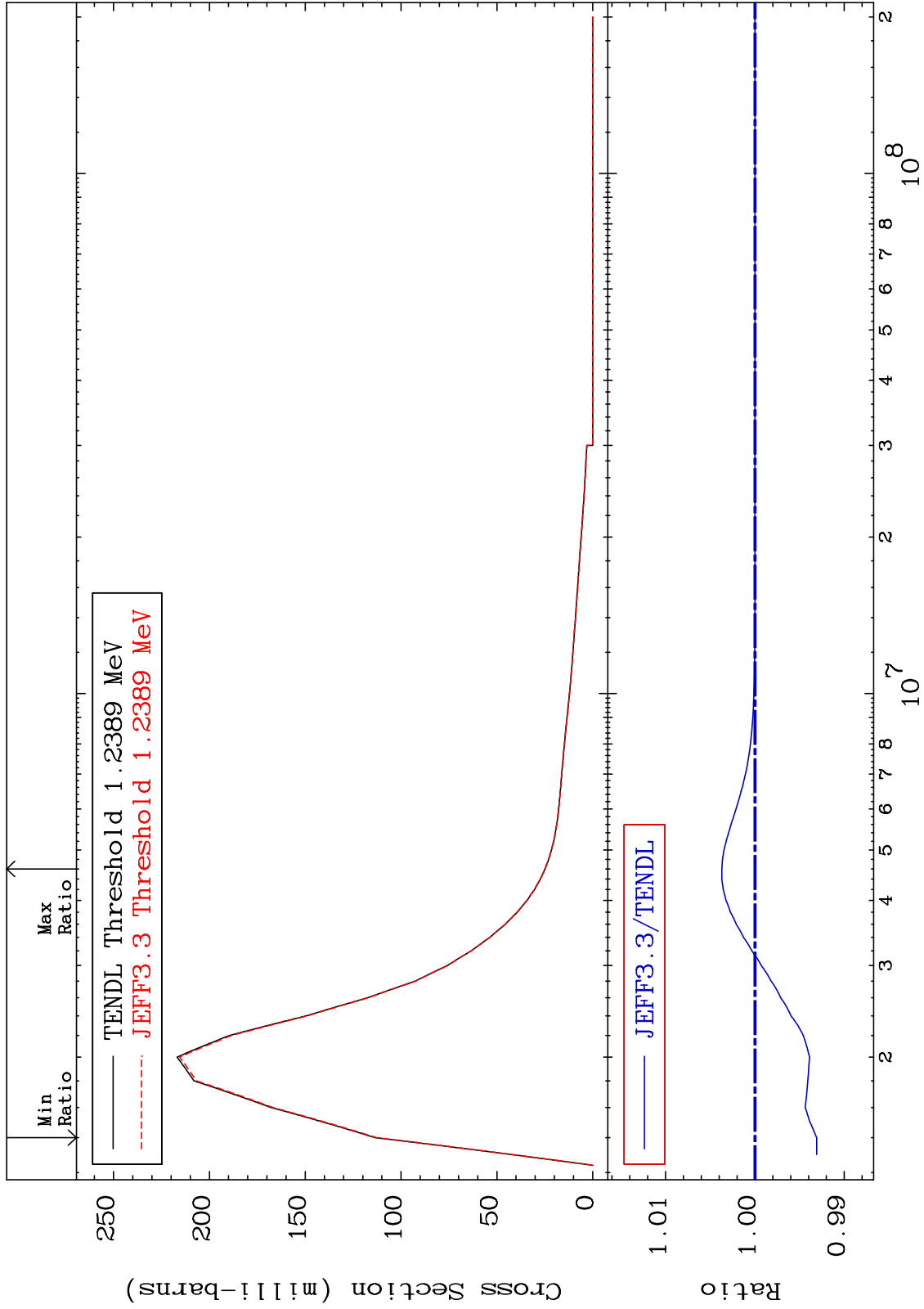
44-Ru-100
-0.169 To 0.162 %



MAT 4437

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

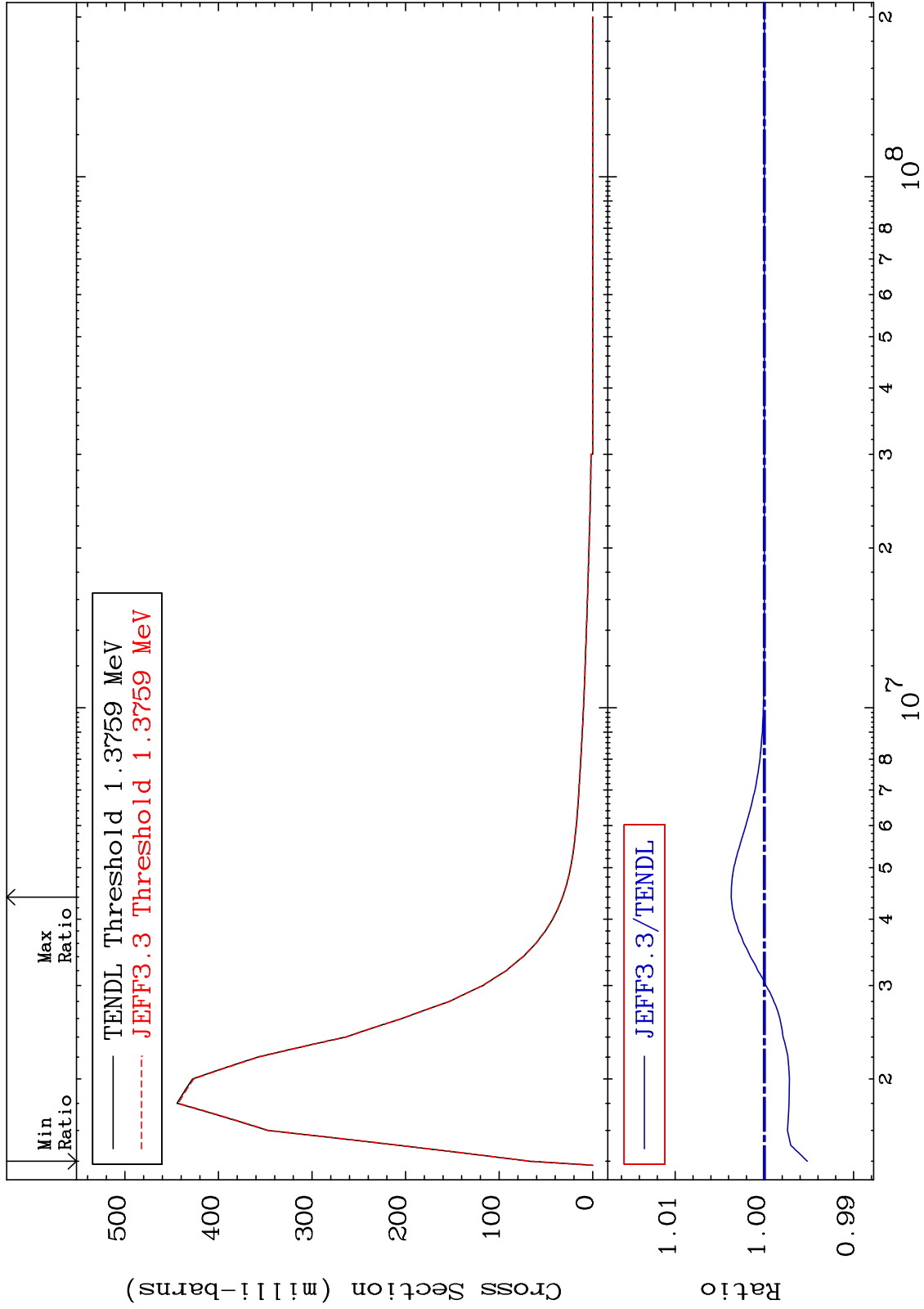
44-Ru-100
-0.691 To 0.371 %



MAT 4437

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

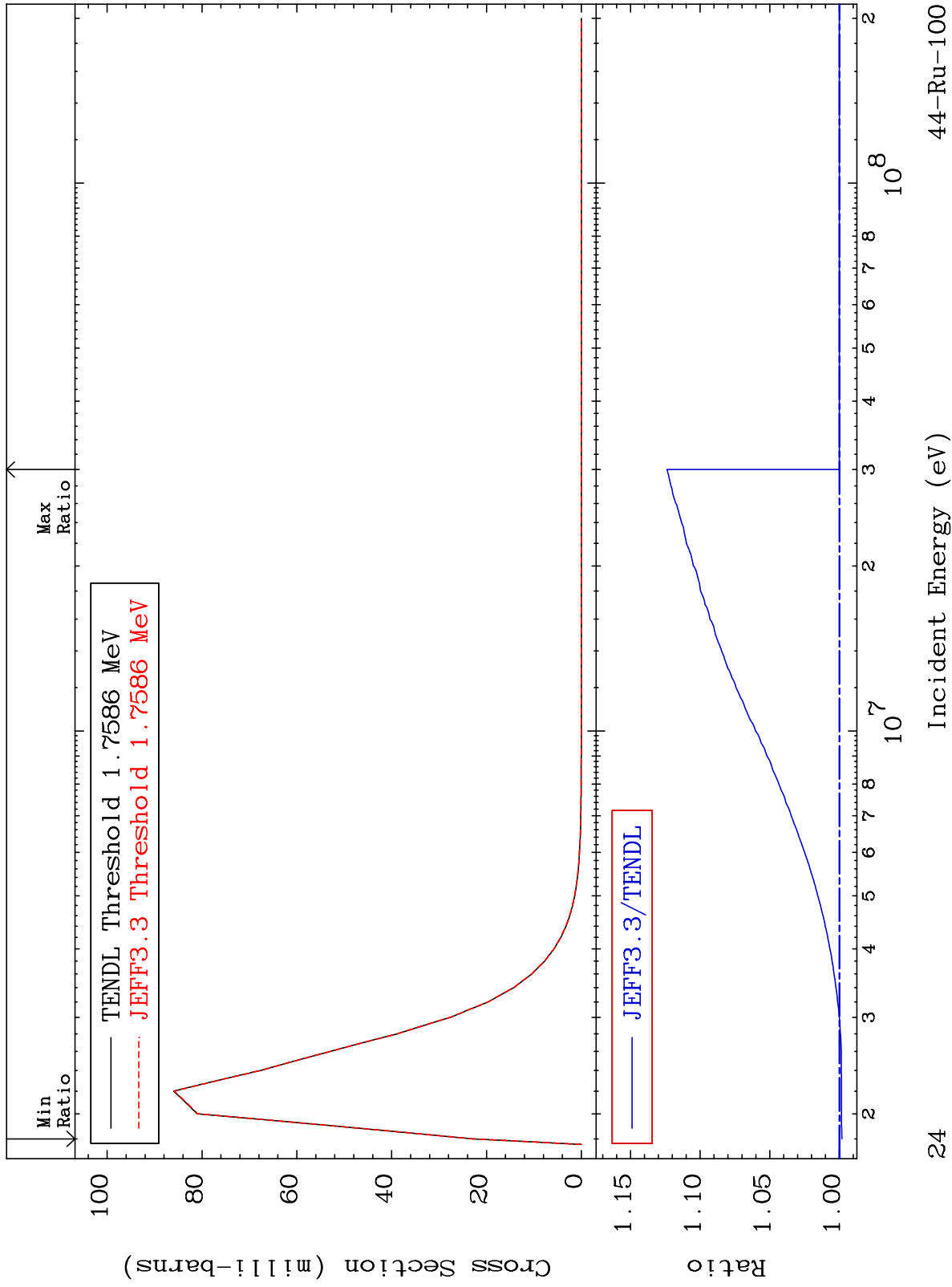
44-Ru-100
-0.481 To 0.372 %



MAT 4437

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

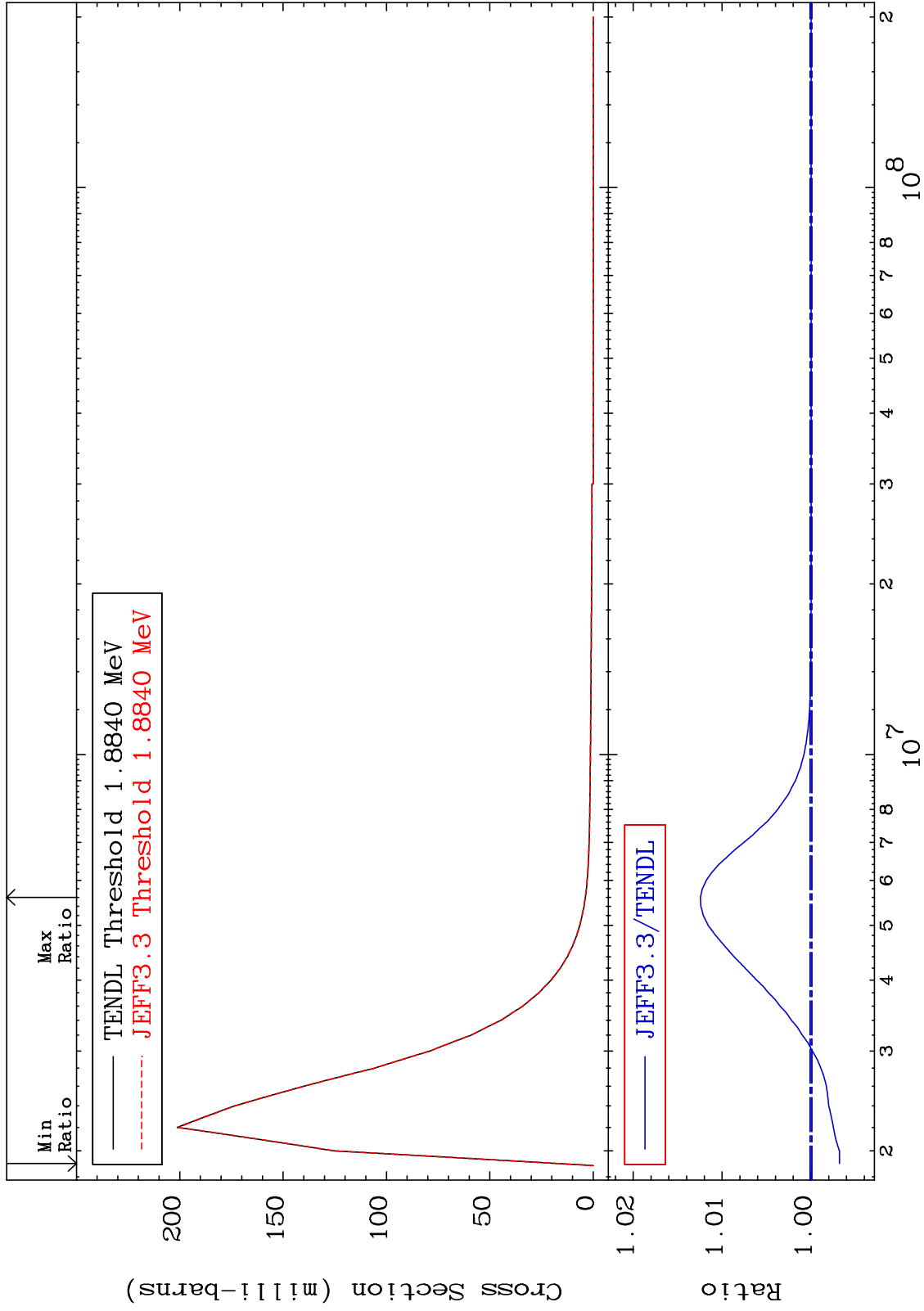
44-Ru-100
-0.184 To 12.38 %



MAT 4437

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

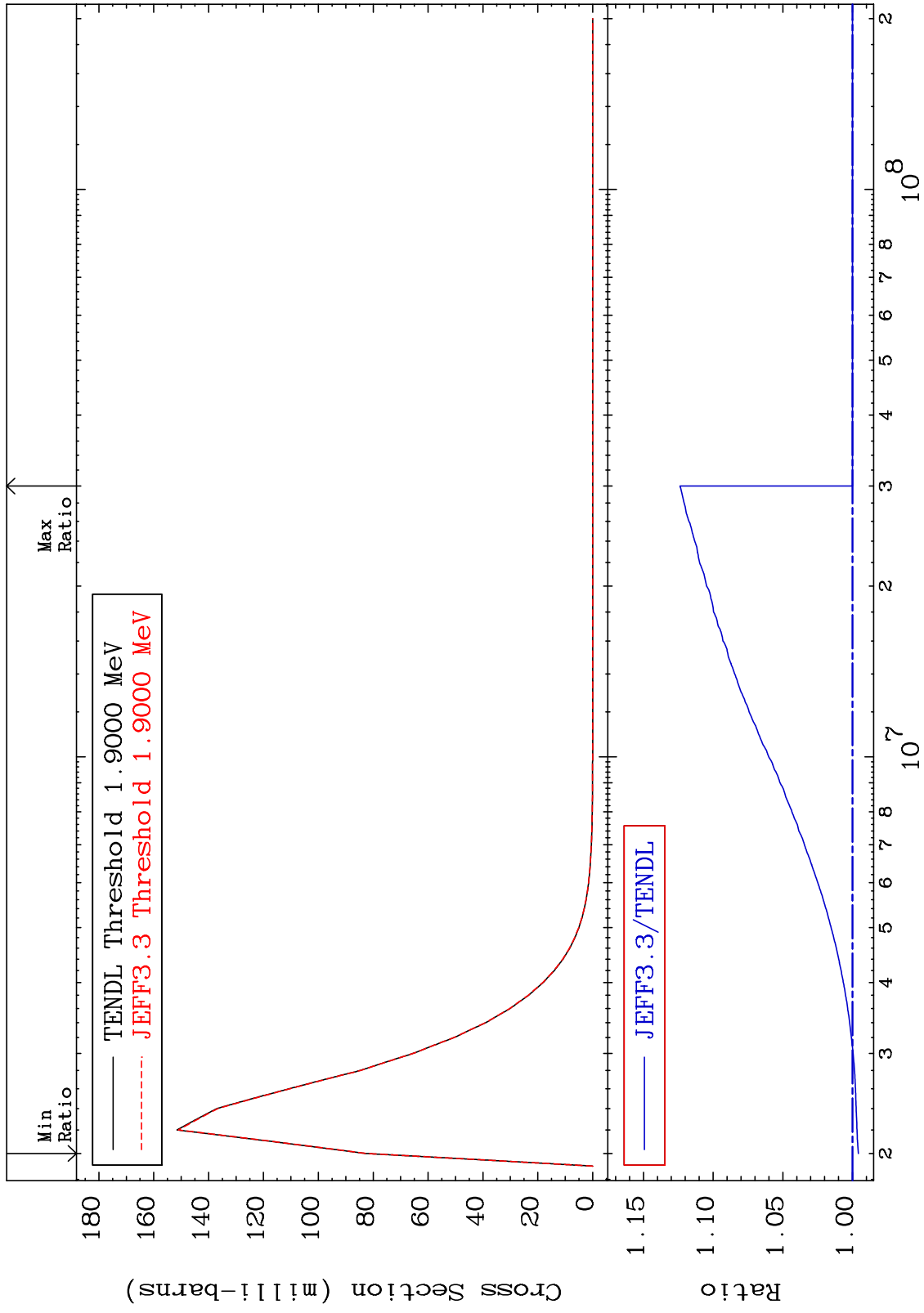
44-Ru-100
-0.320 To 1.245 %



MAT 4437

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

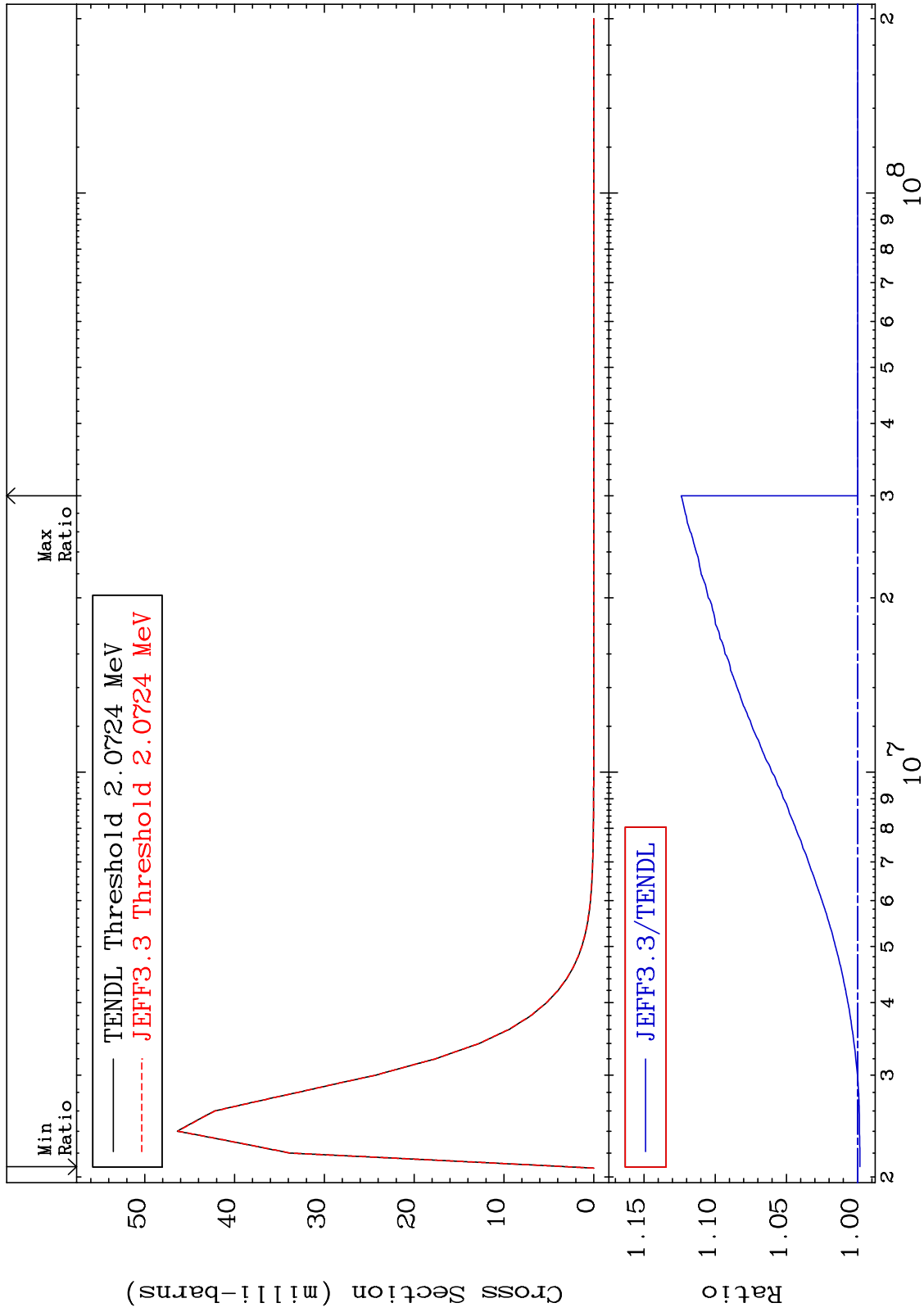
44-Ru-100
-0.425 To 12.38 %



MAT 4437

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

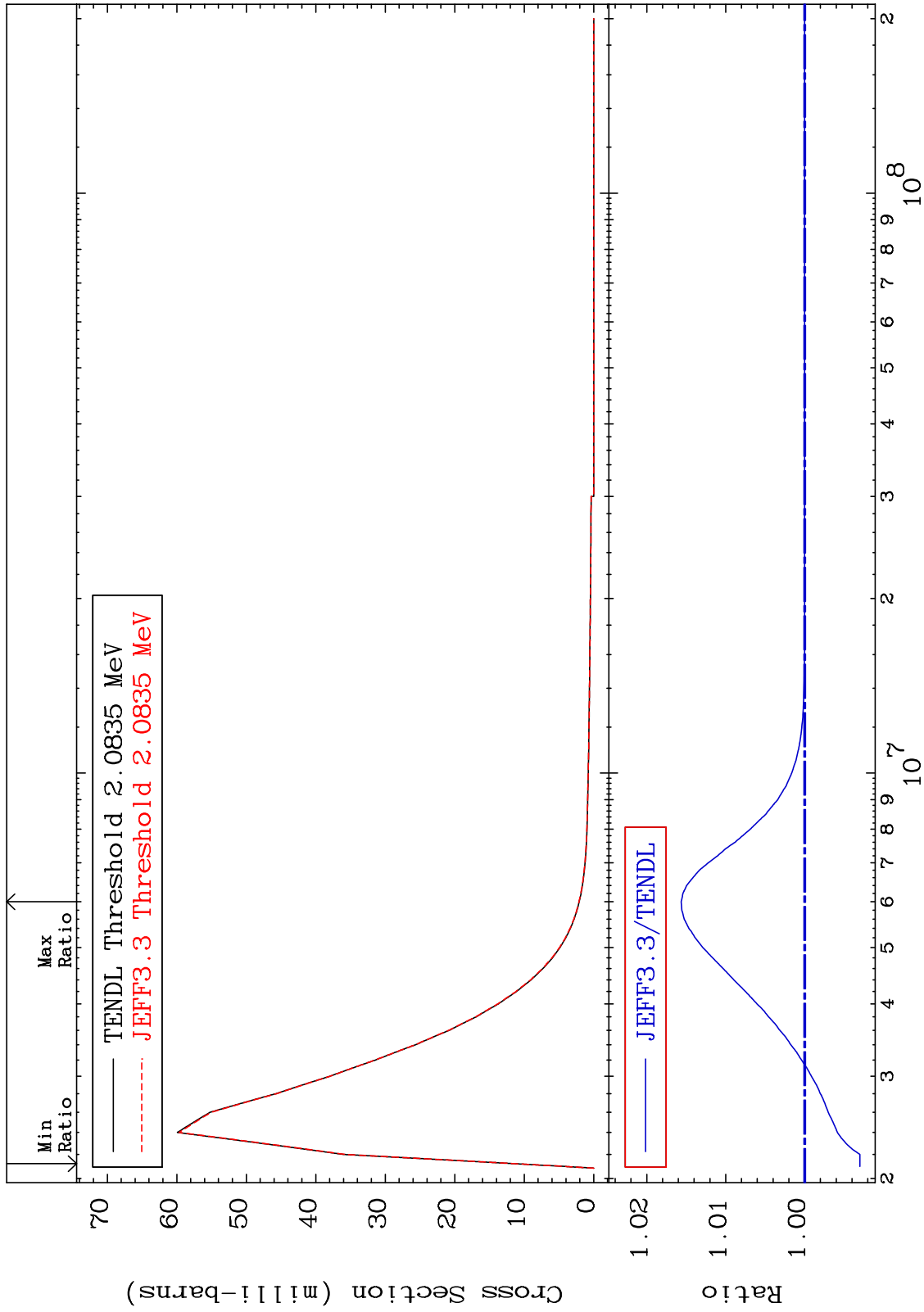
44-Ru-100
-0.163 To 12.38 %



MAT 4437

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

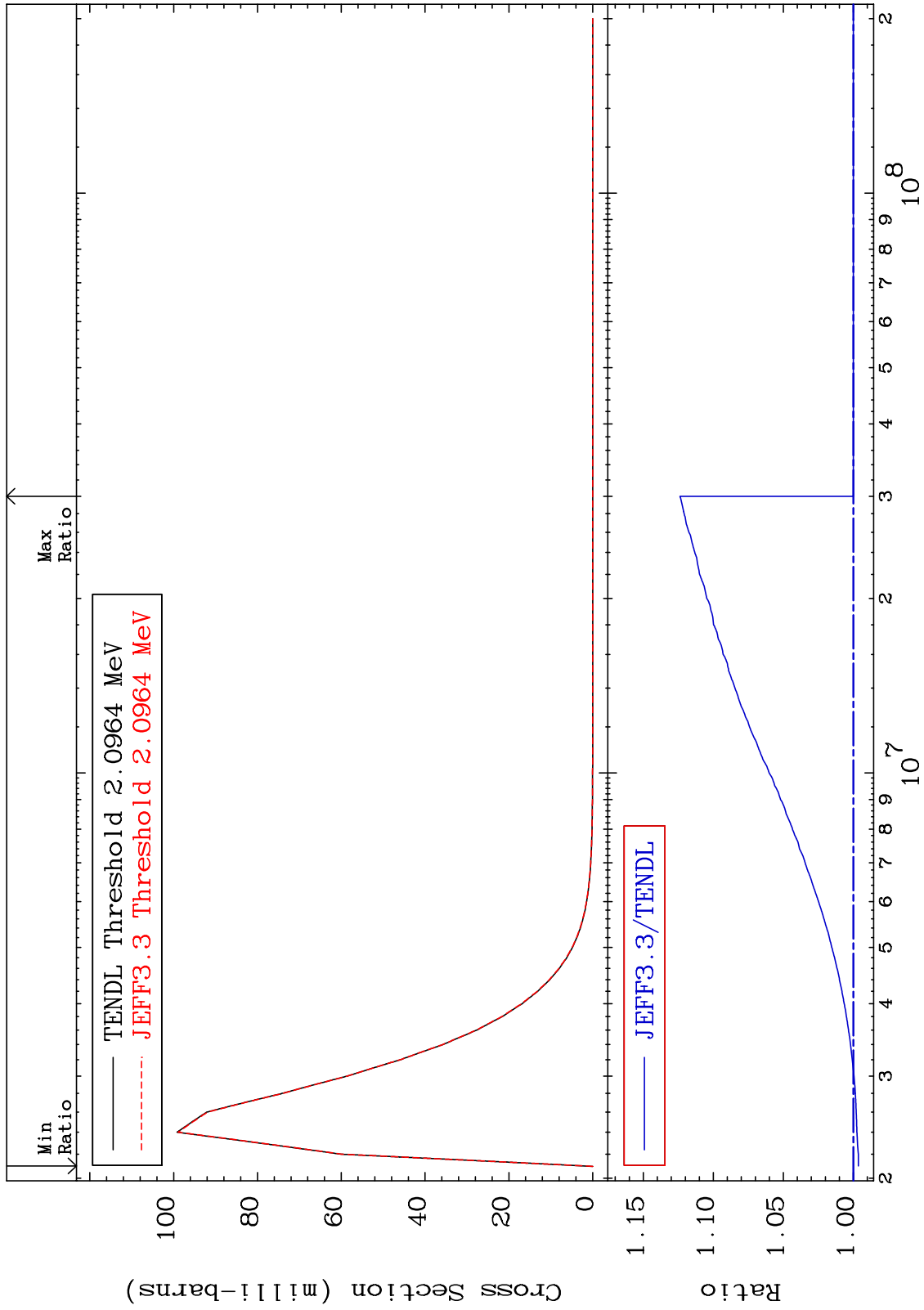
44-Ru-100
-0.701 To 1.563 %



MAT 4437

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

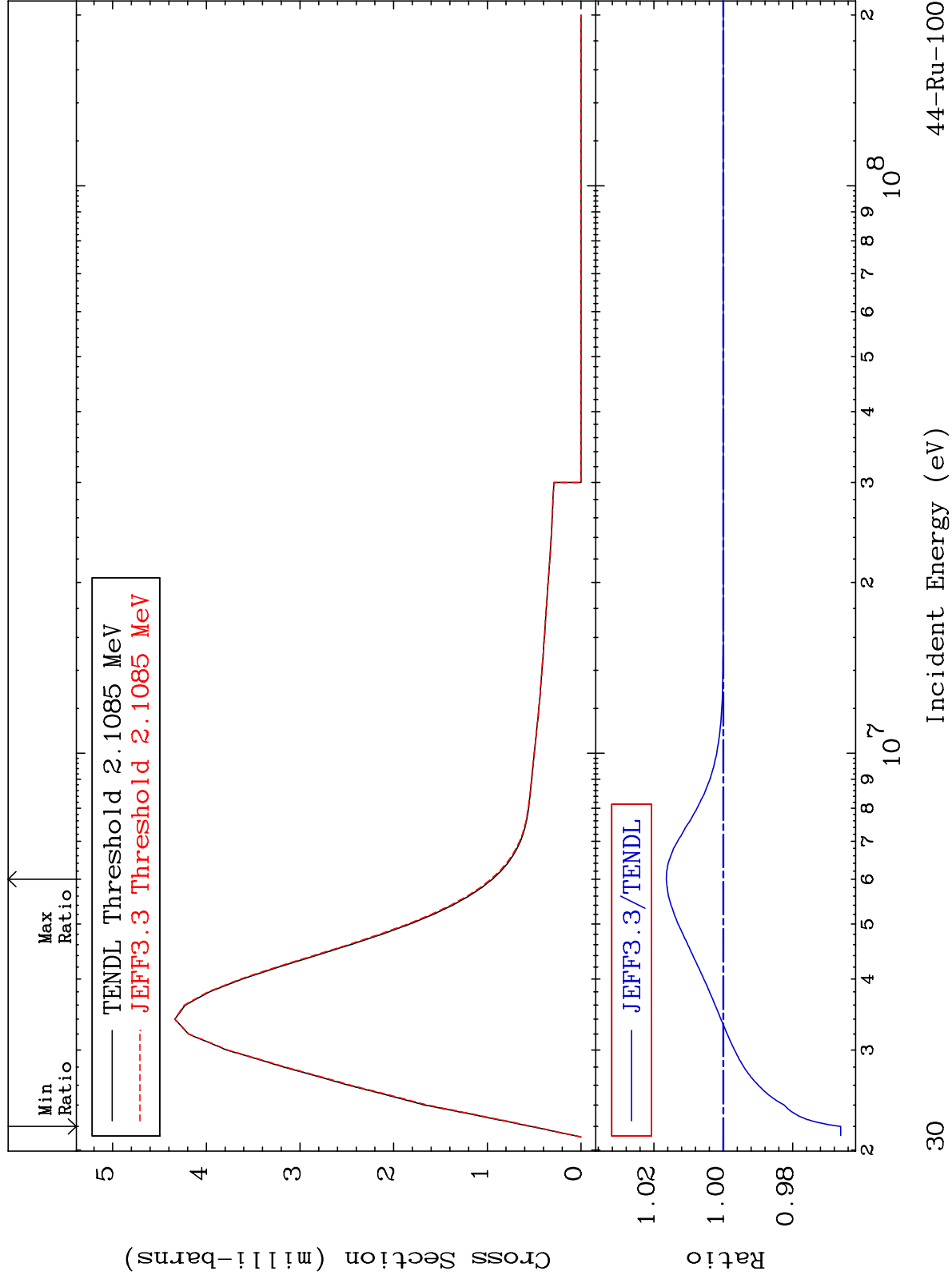
44-Ru-100
-0.360 To 12.38 %



MAT 4437

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

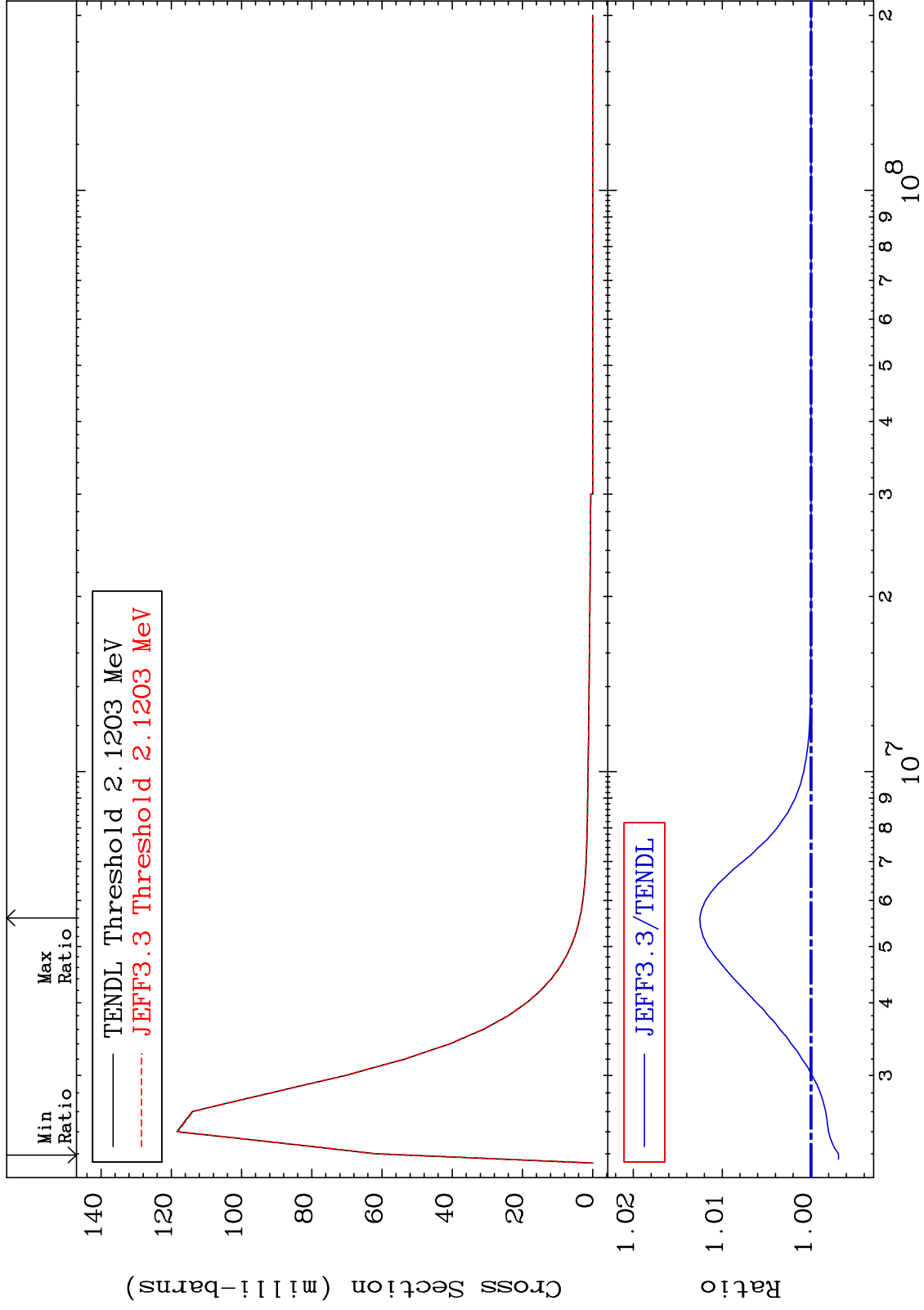
44-Ru-100
-3.384 To 1.641 %



MAT 4437

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

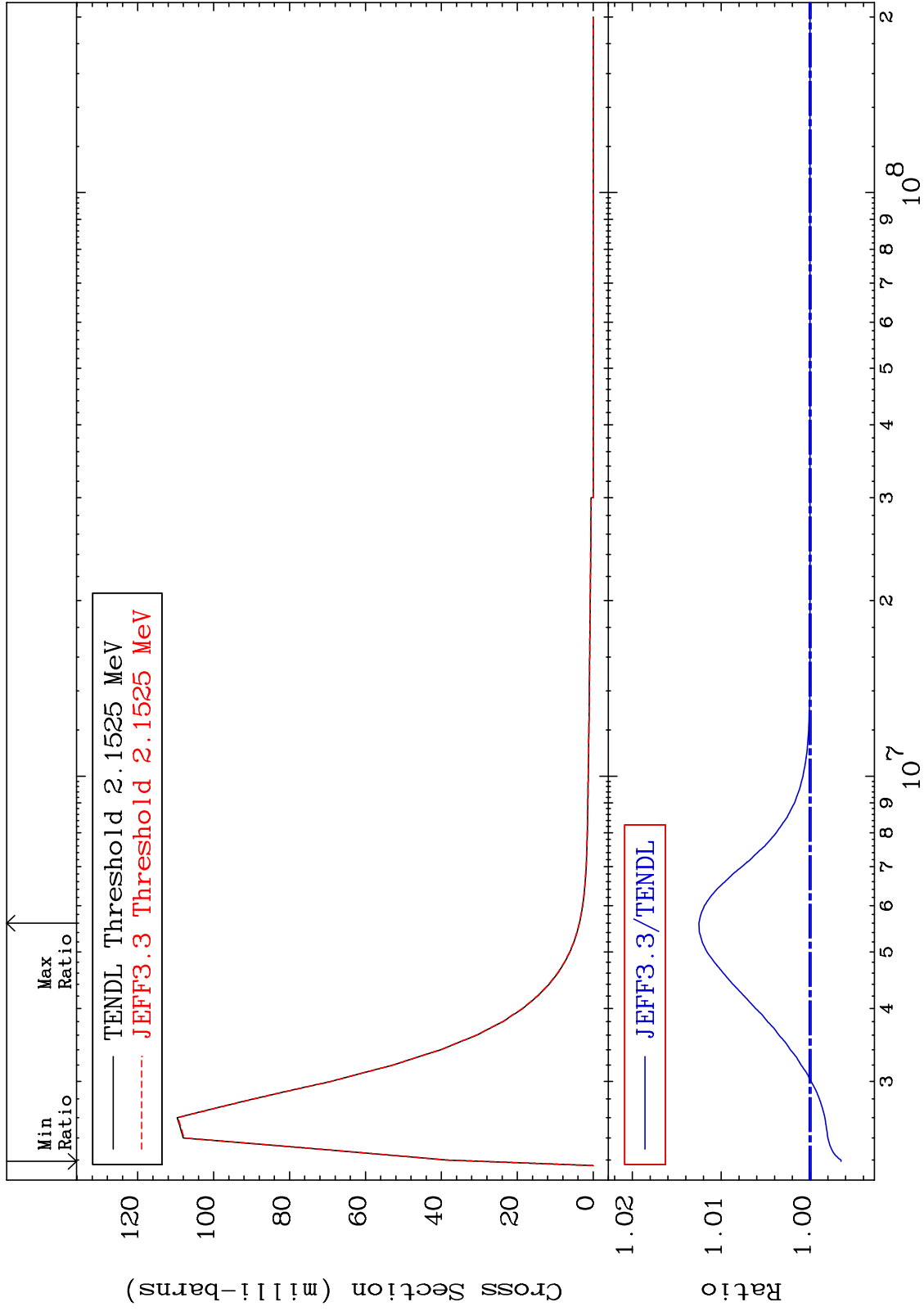
44-Ru-100
-0.311 To 1.251 %



MAT 4437

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

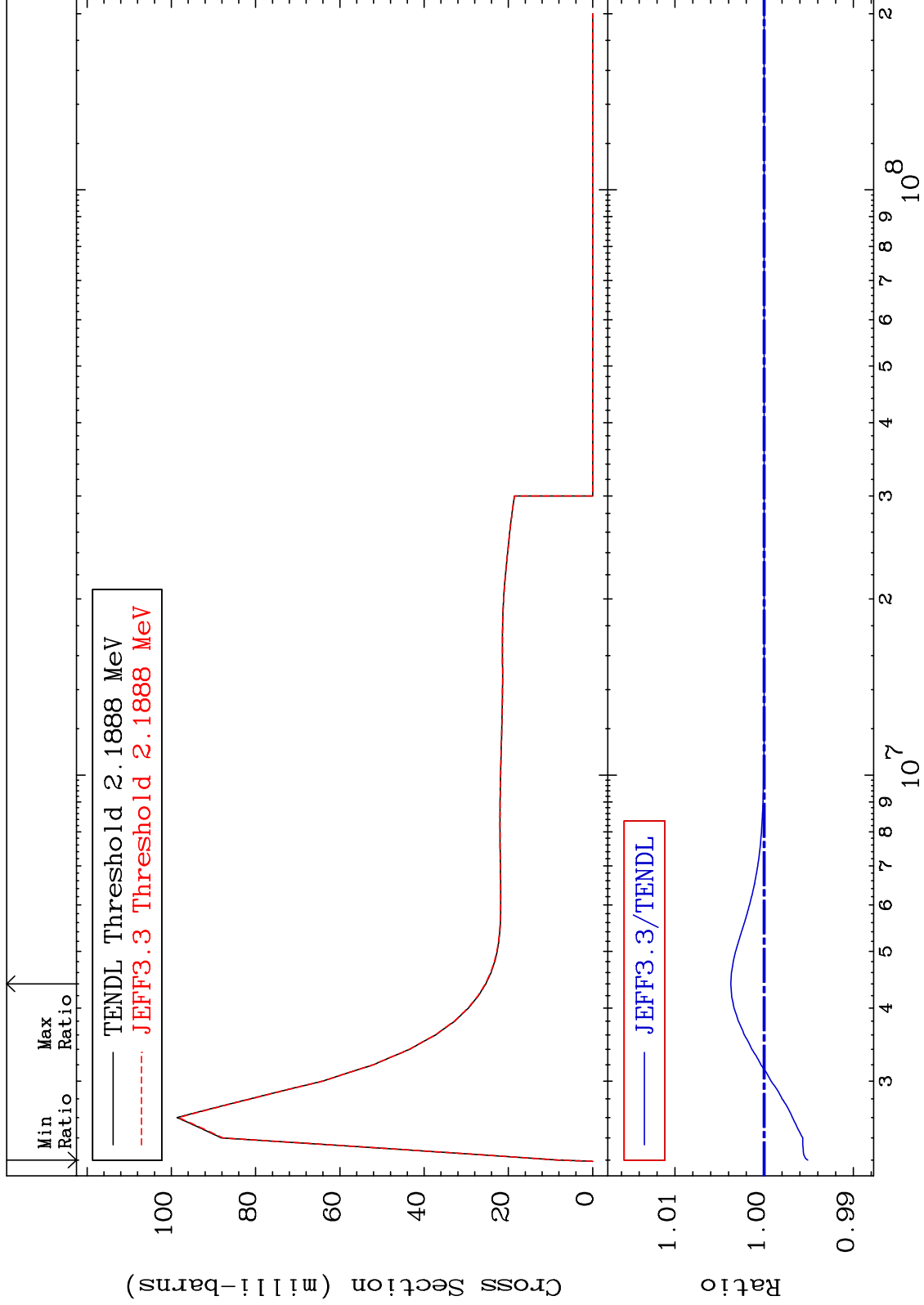
44-Ru-100
-0.347 To 1.252 %



MAT 4437

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

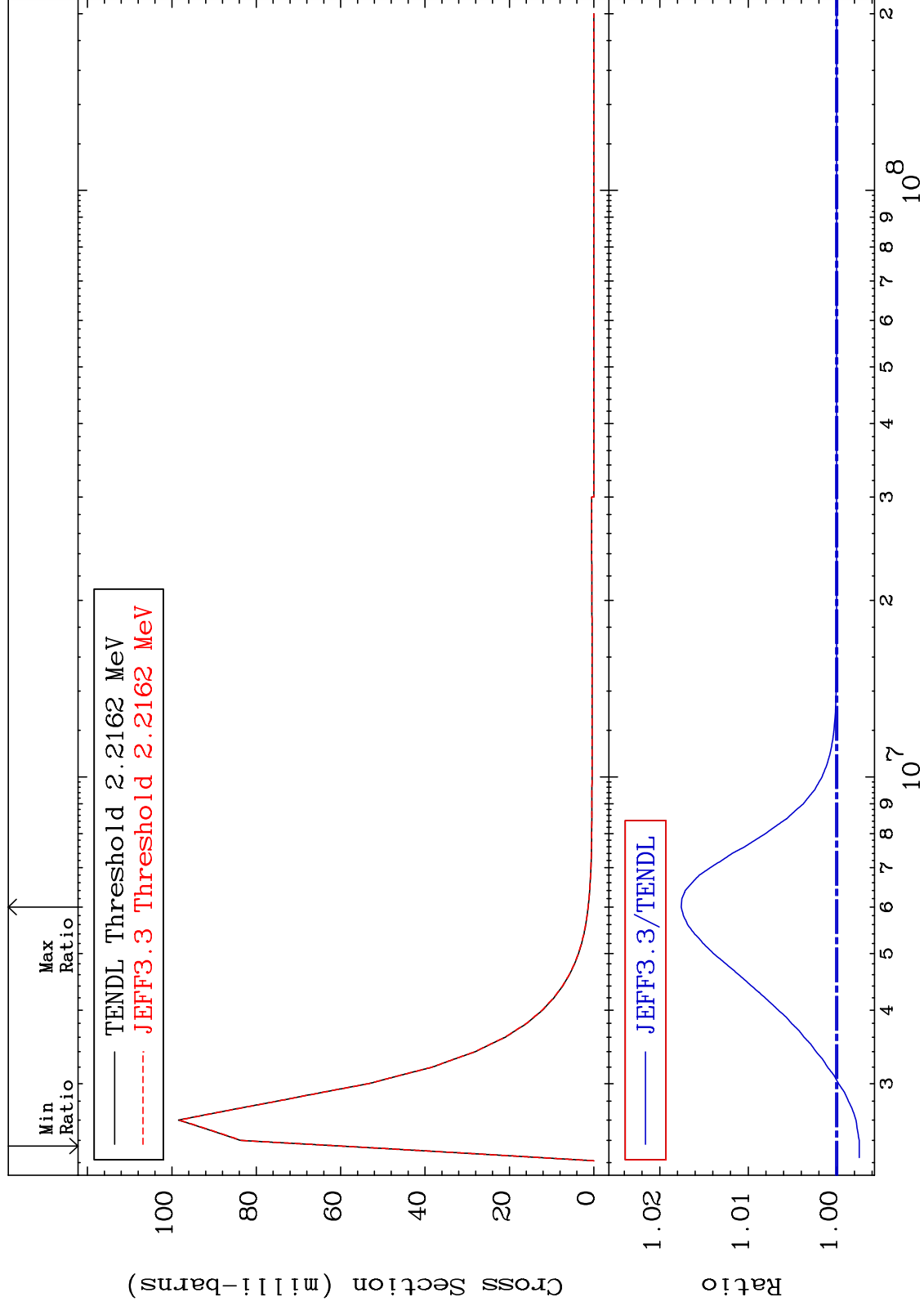
44-Ru-100
-0.488 To 0.376 %



MAT 4437

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

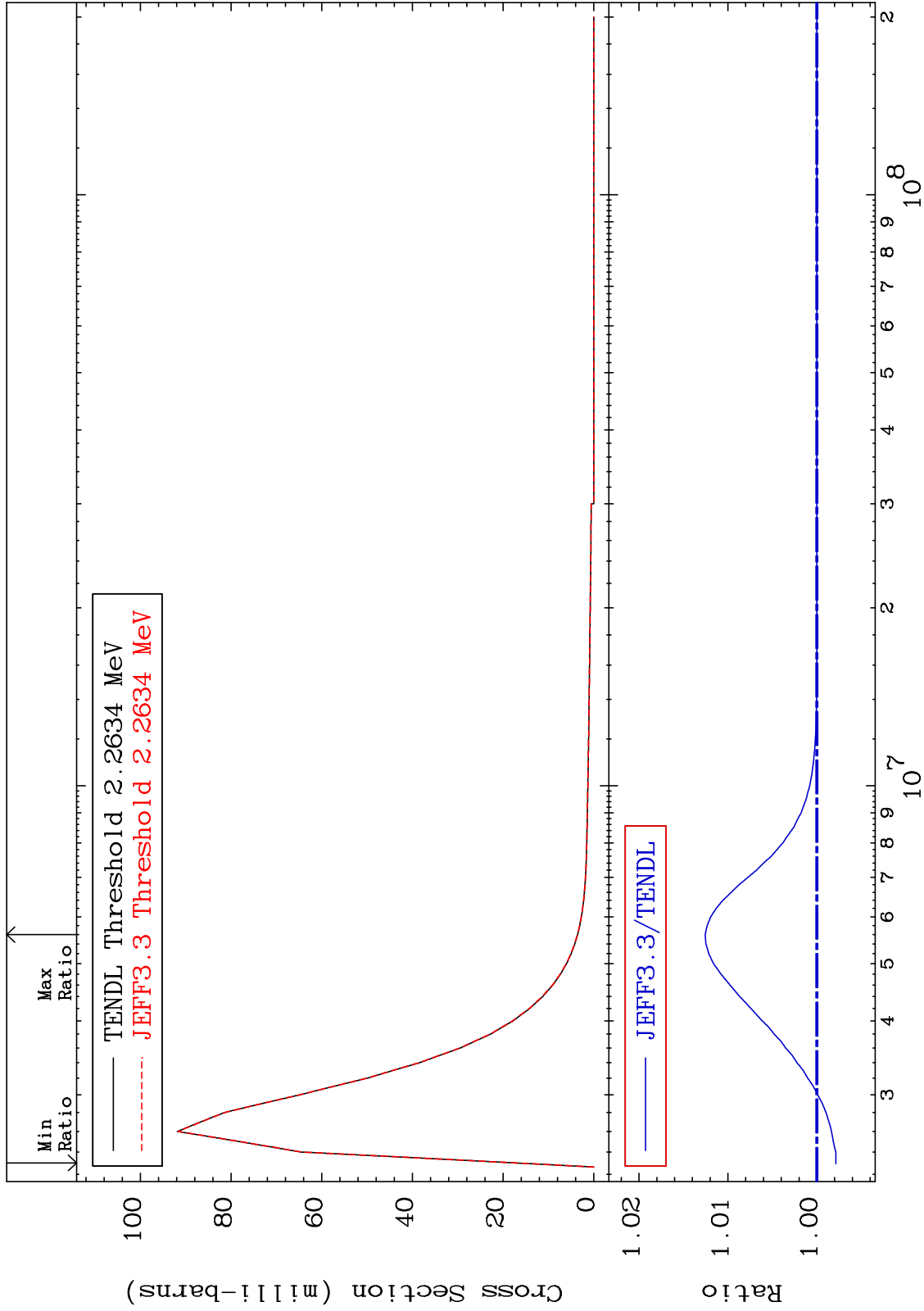
44-Ru-100
-0.254 To 1.758 %



MAT 4437

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

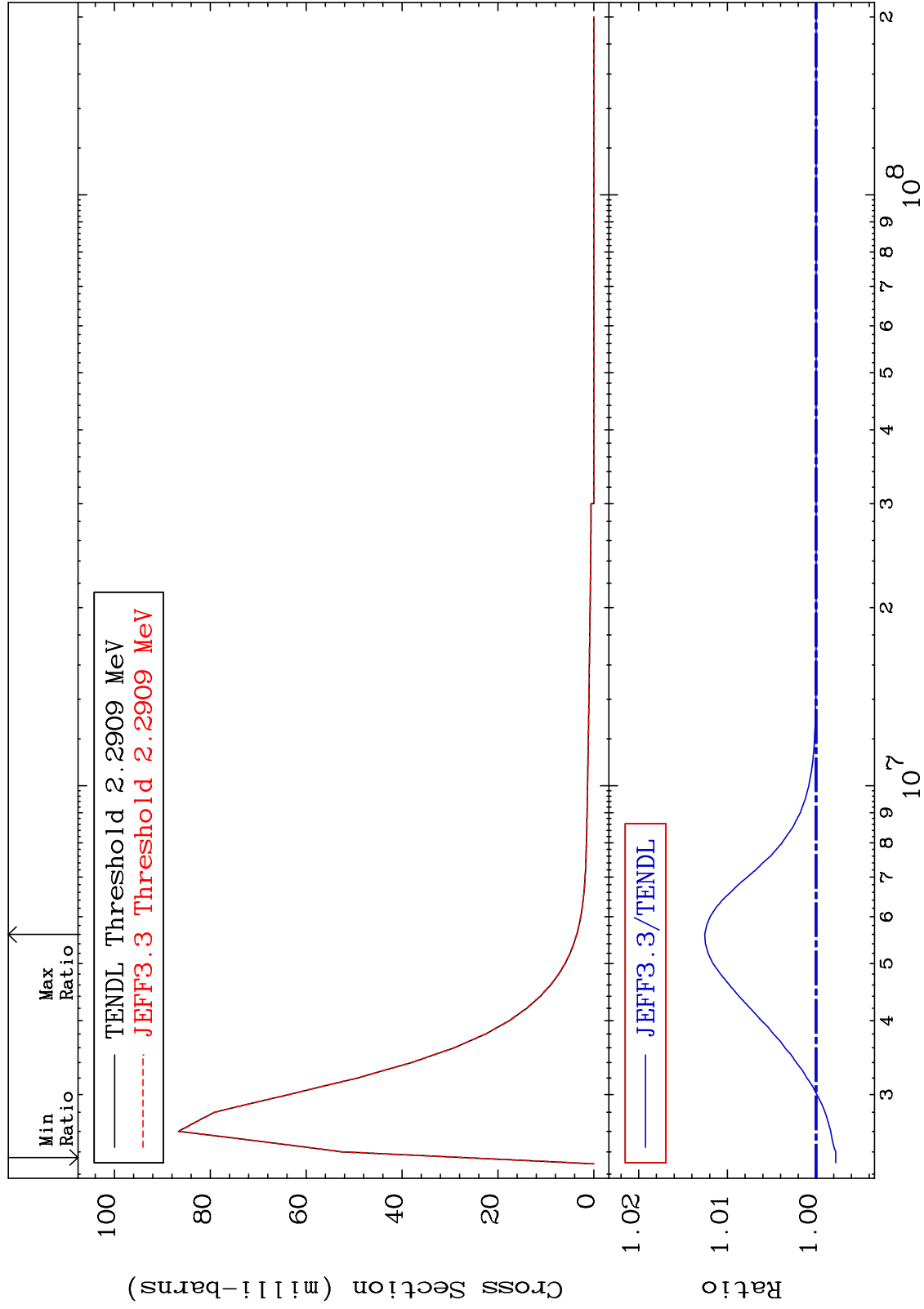
44-Ru-100
-0.214 To 1.255 %



MAT 4437

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

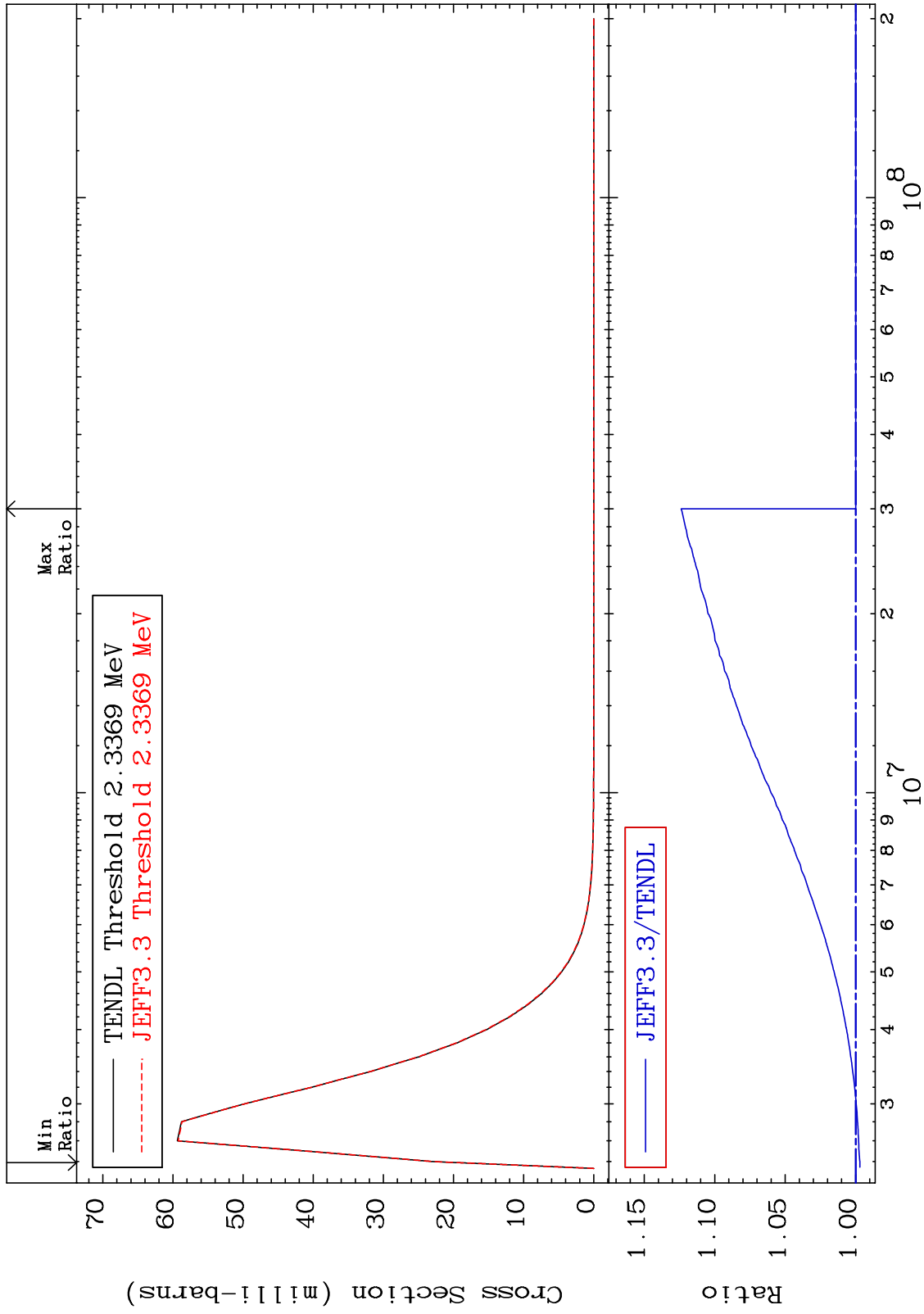
44-Ru-100
-0.221 To 1.255 %



MAT 4437

MT= 68 (n, n') Level
Cross Section

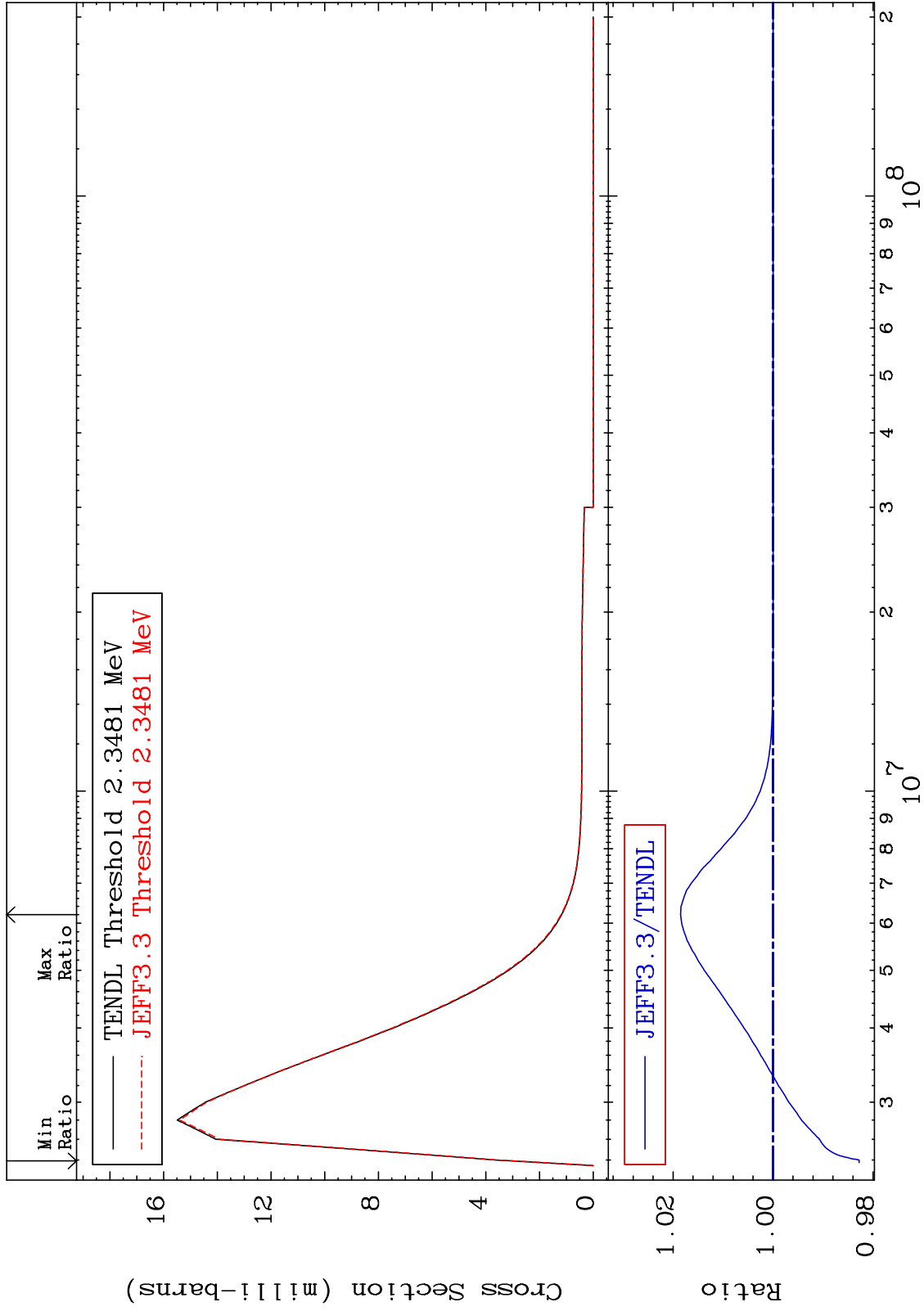
44-Ru-100
-0.298 To 12.38 %



MAT 4437

MT= 69 (n,n') Level
Cross Section

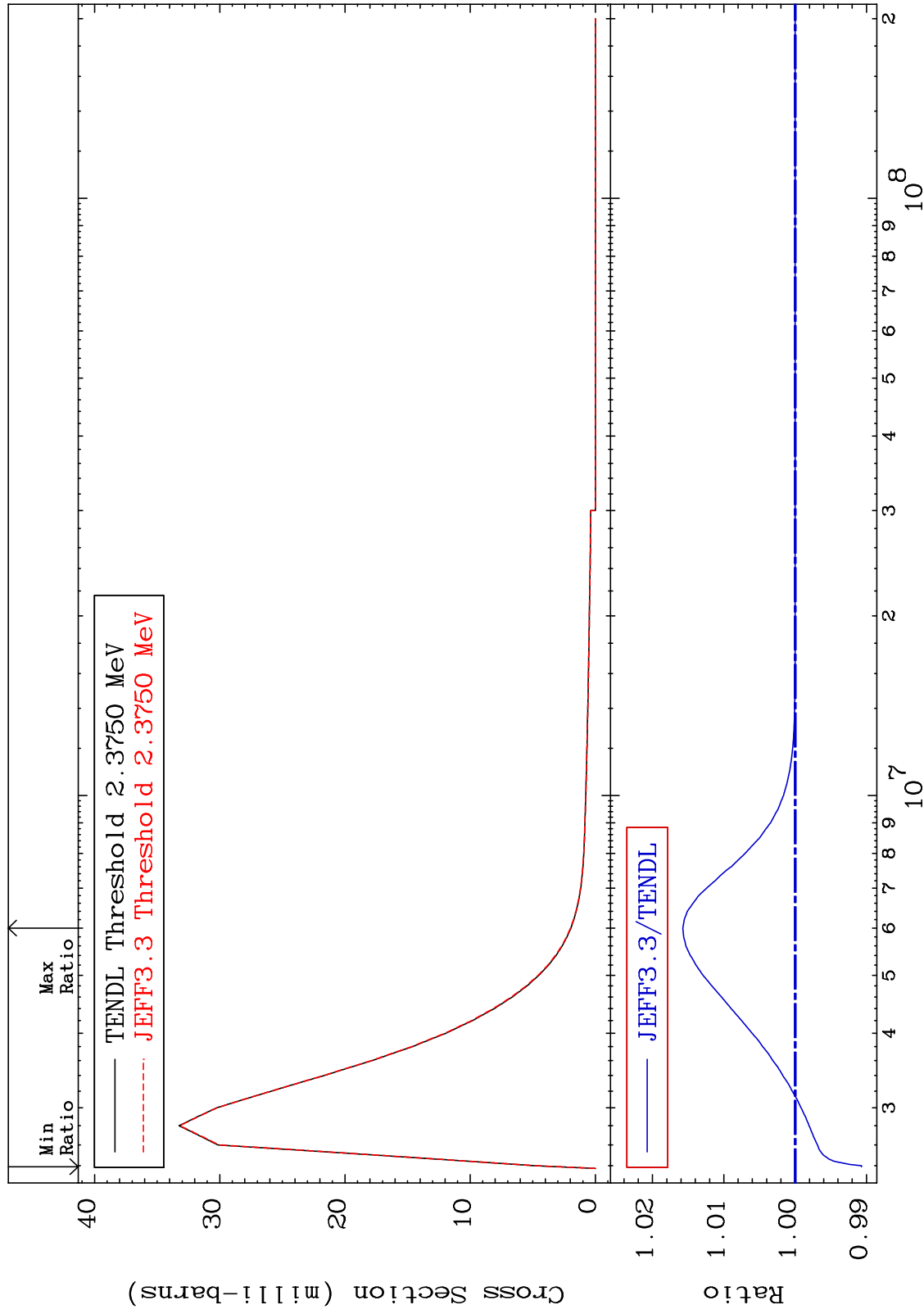
44-Ru-100
-1.723 To 1.850 %



MAT 4437

MT= 70 (n,n') Level
Cross Section

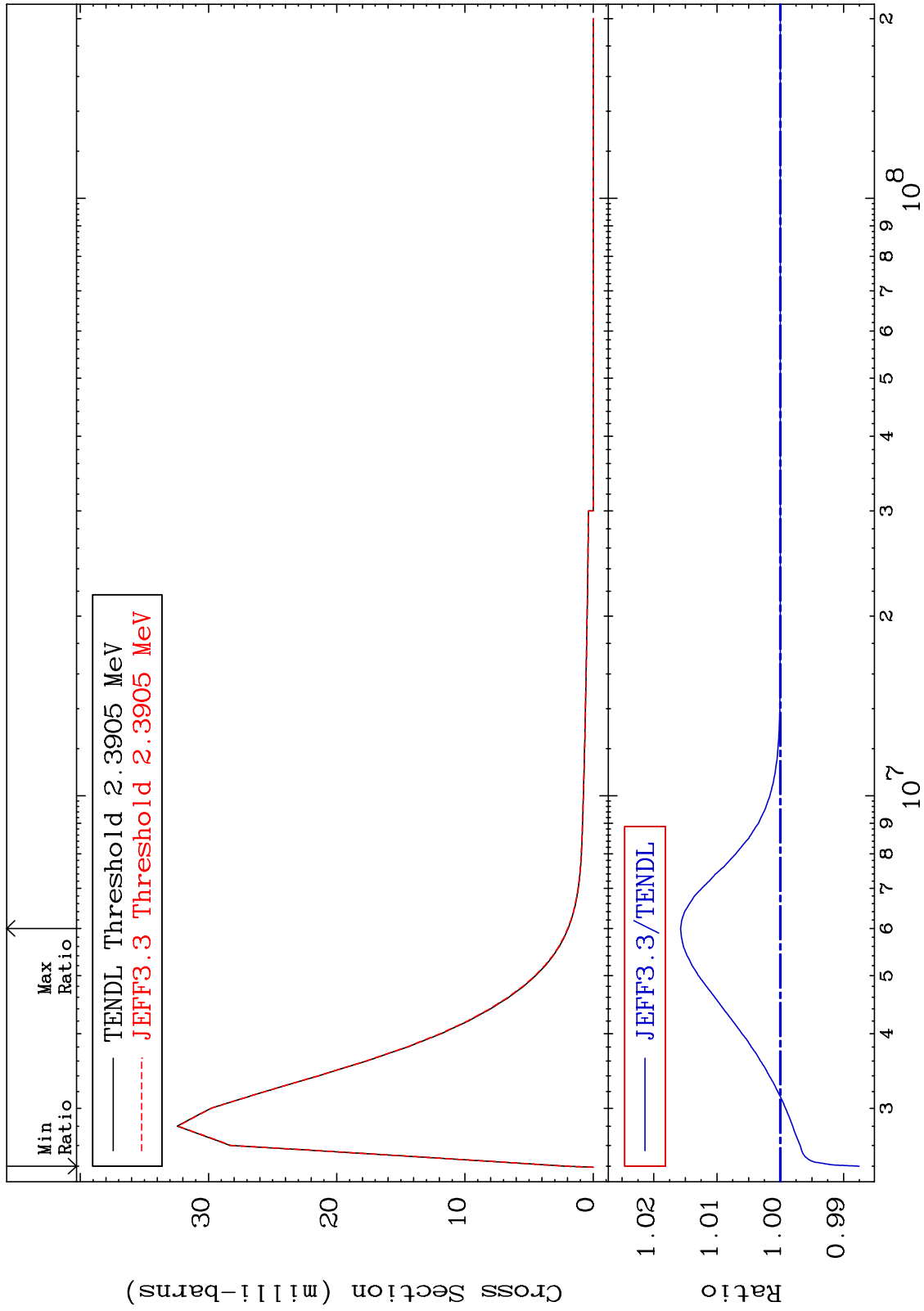
44-Ru-100
-0.931 To 1.575 %



MAT 4437

MT= 71 (n,n') Level
Cross Section

44-Ru-100
-1.247 To 1.575 %



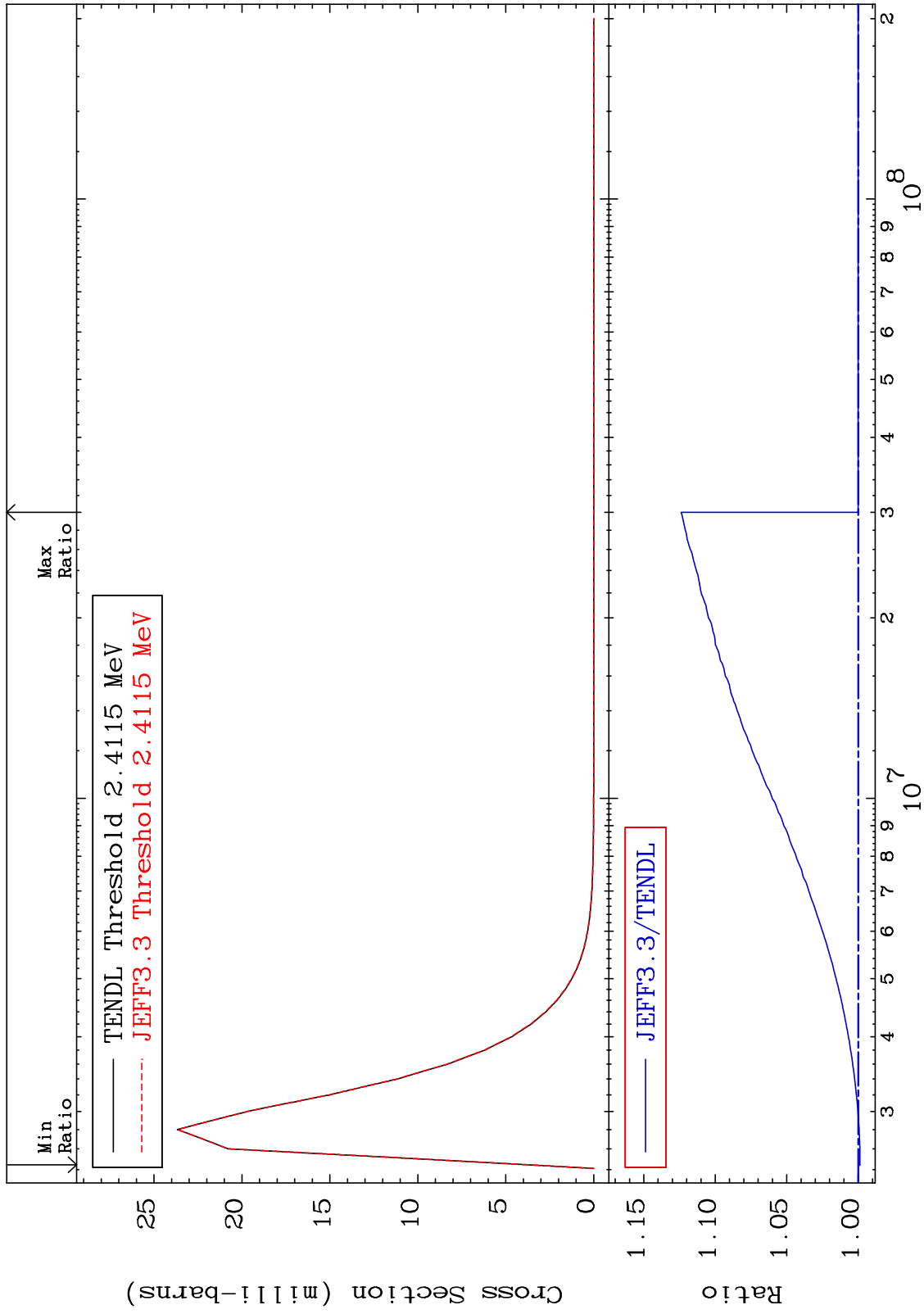
40

44-Ru-100

MAT 4437

MT= 72 (n, n') Level
Cross Section

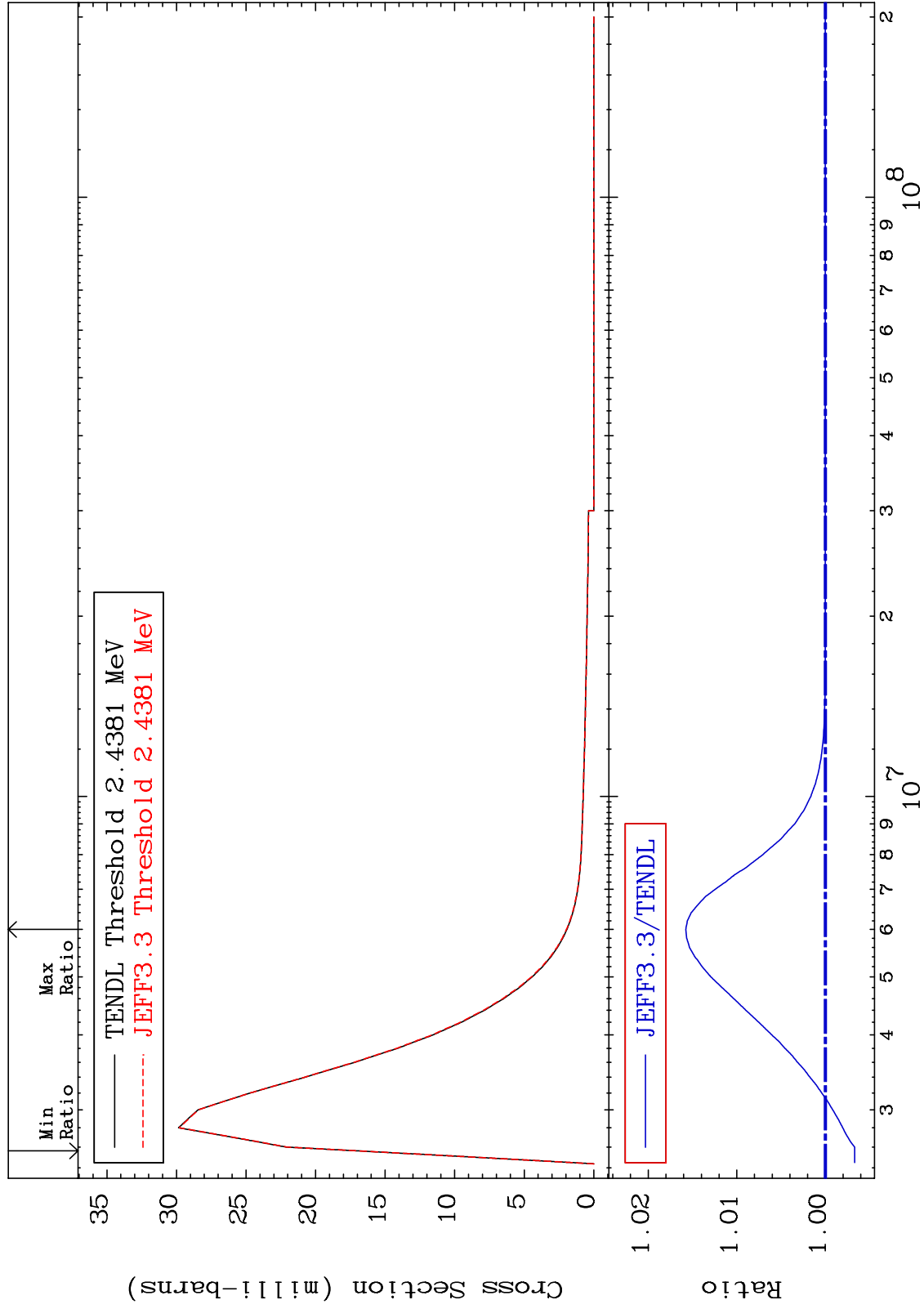
44-Ru-100
-0.122 To 12.38 %



MAT 4437

MT= 73 (n,n') Level
Cross Section

44-Ru-100
-0.331 To 1.577 %



42

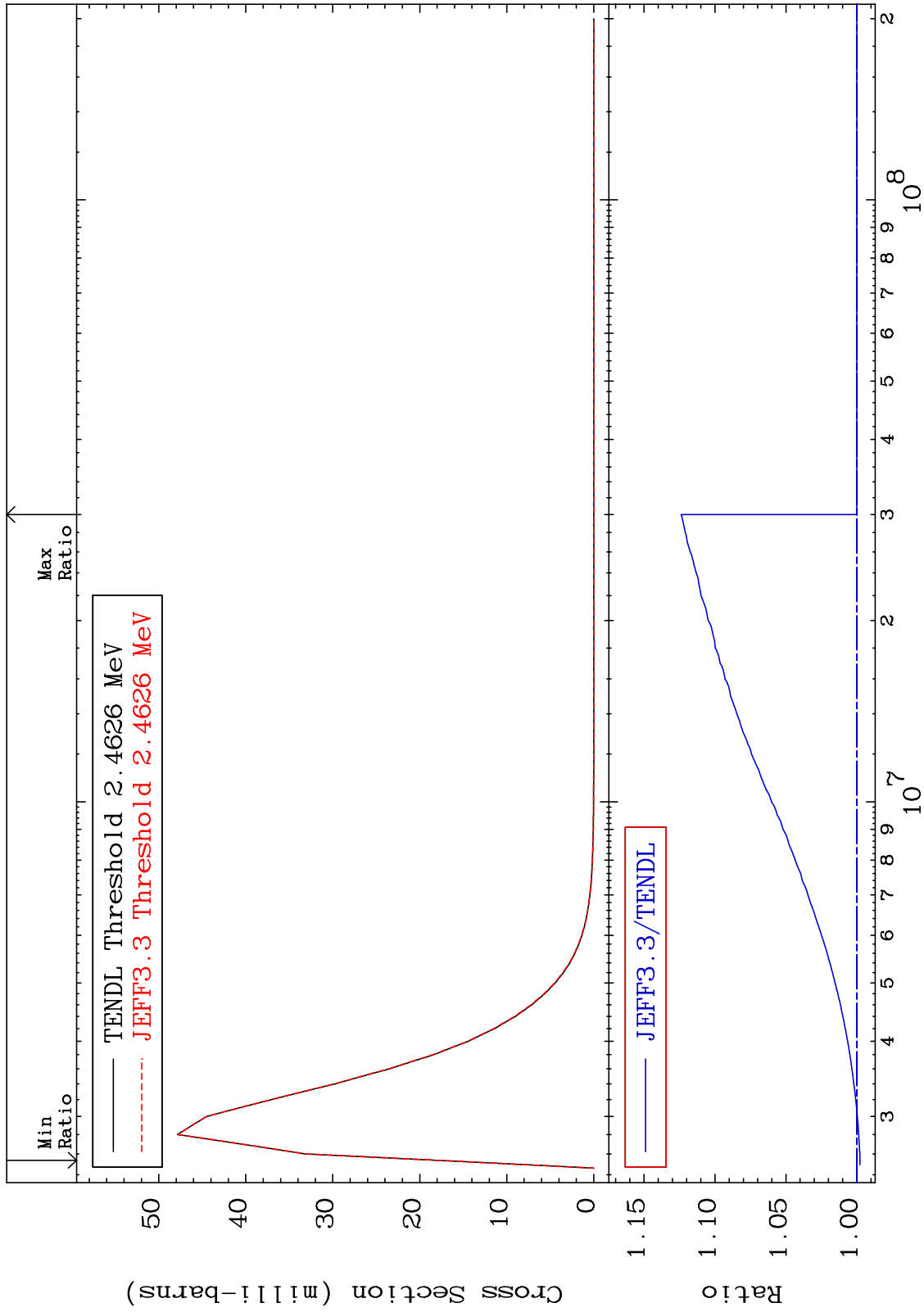
Incident Energy (eV)

44-Ru-100

MAT 4437

MT= 74 (n, n') Level
Cross Section

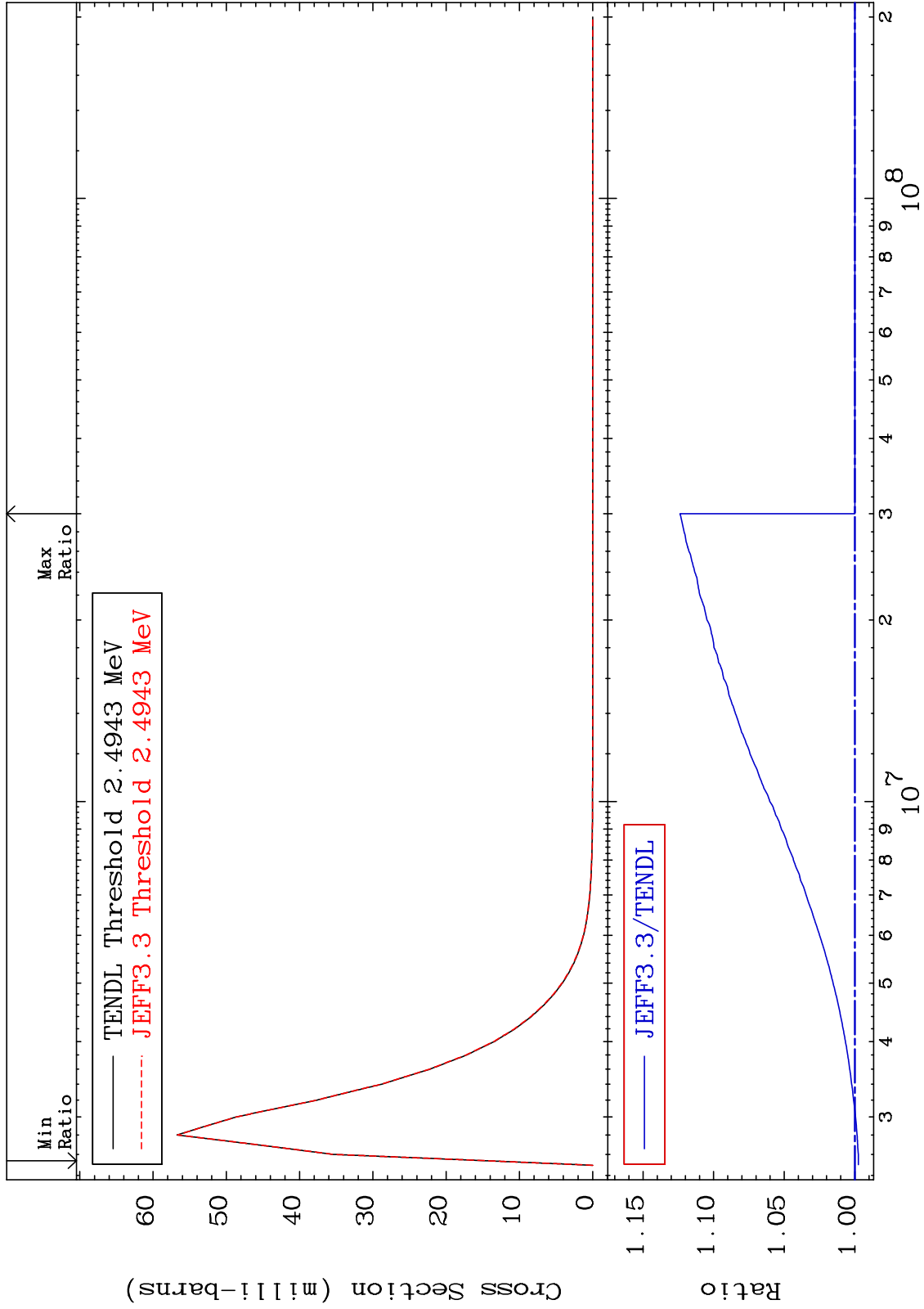
44-Ru-100
-0.214 To 12.38 %



MAT 4437

MT= 75 (n, n') Level
Cross Section

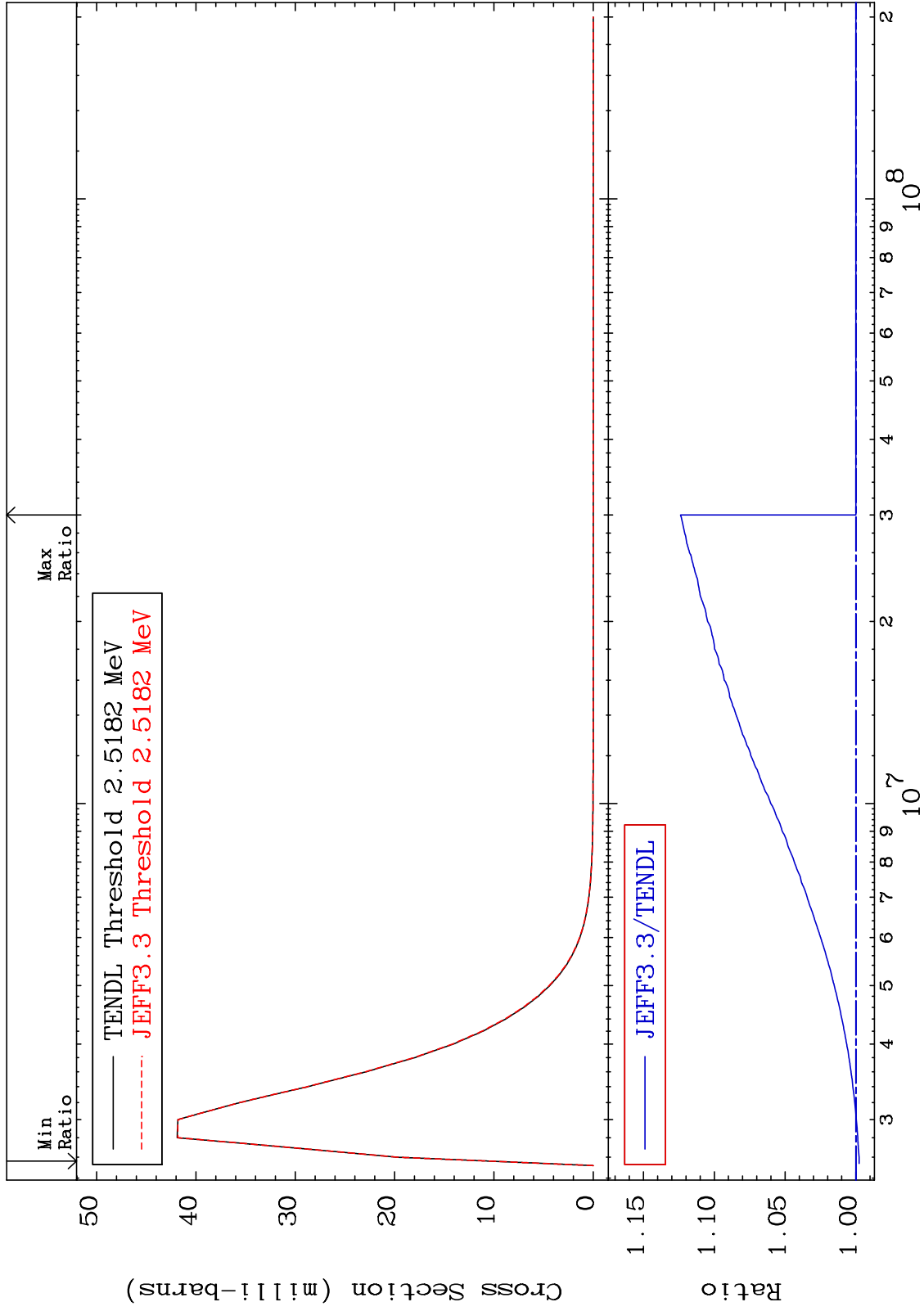
44-Ru-100
-0.252 To 12.38 %



MAT 4437

MT= 76 (n, n') Level
Cross Section

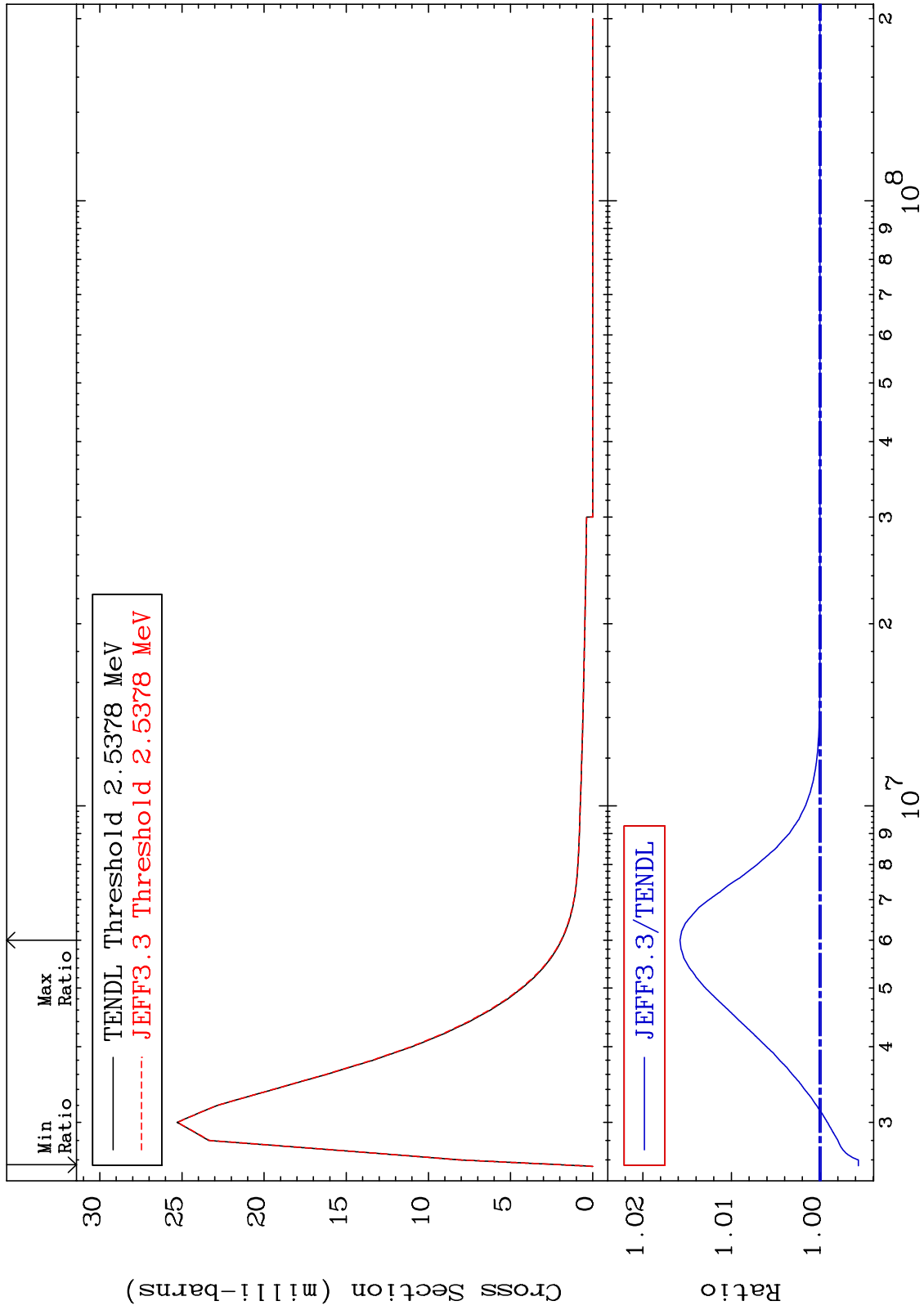
44-Ru-100
-0.229 To 12.38 %



MAT 4437

MT= 77 (n,n') Level
Cross Section

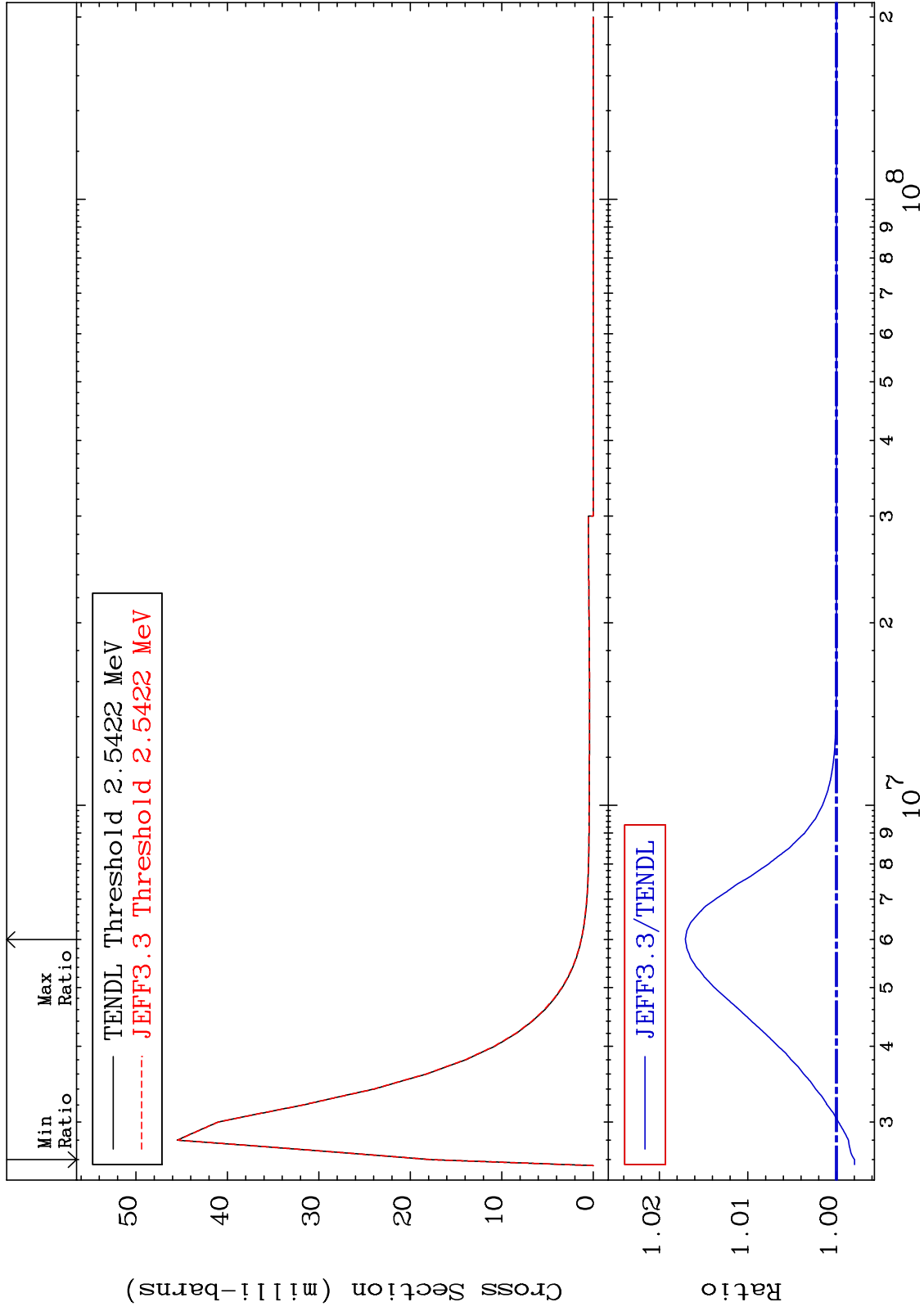
44-Ru-100
-0.433 To 1.581 %



MAT 4437

MT= 78 (n,n') Level
Cross Section

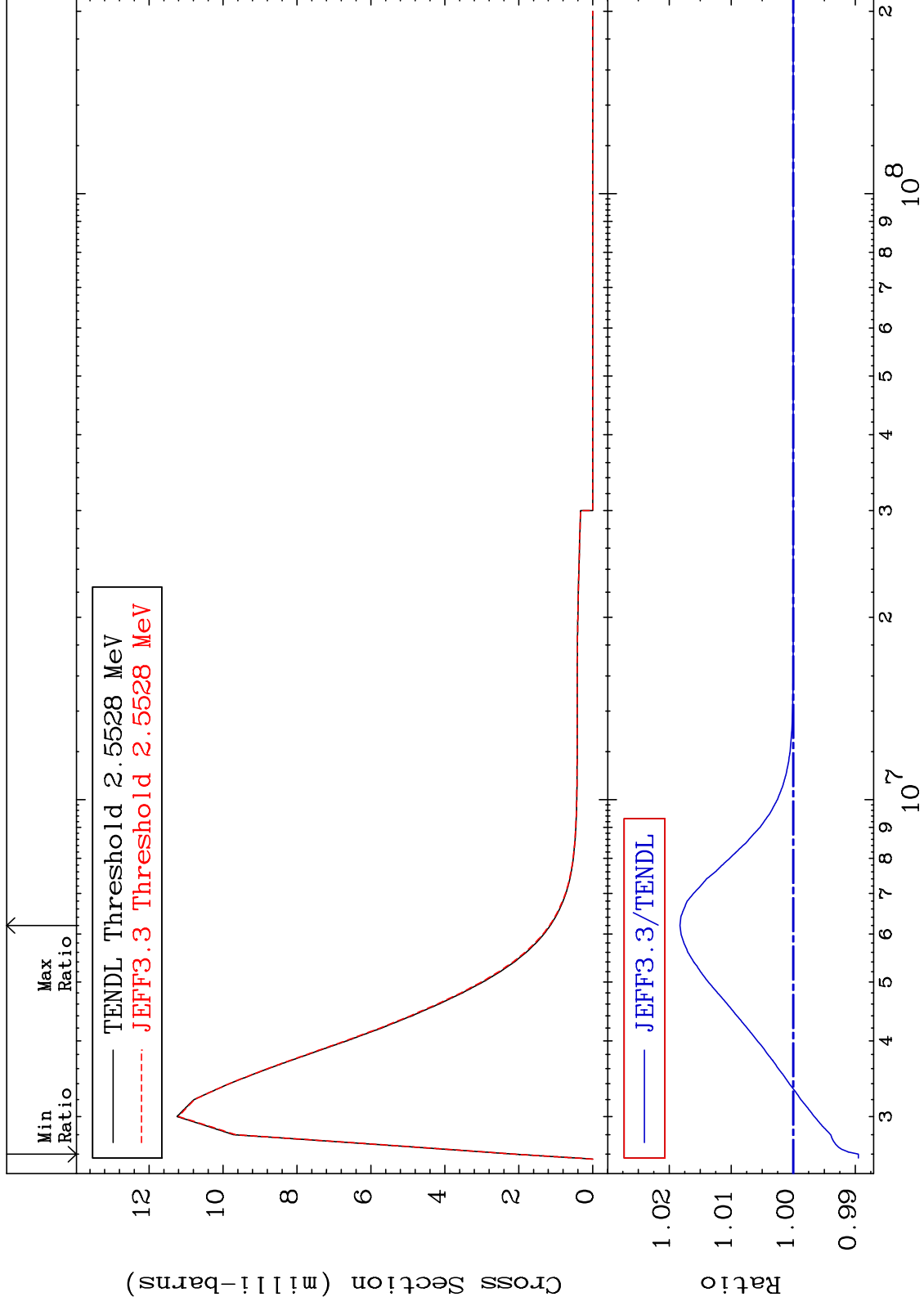
44-Ru-100
-0.203 To 1.706 %



MAT 4437

MT= 79 (n, n') Level
Cross Section

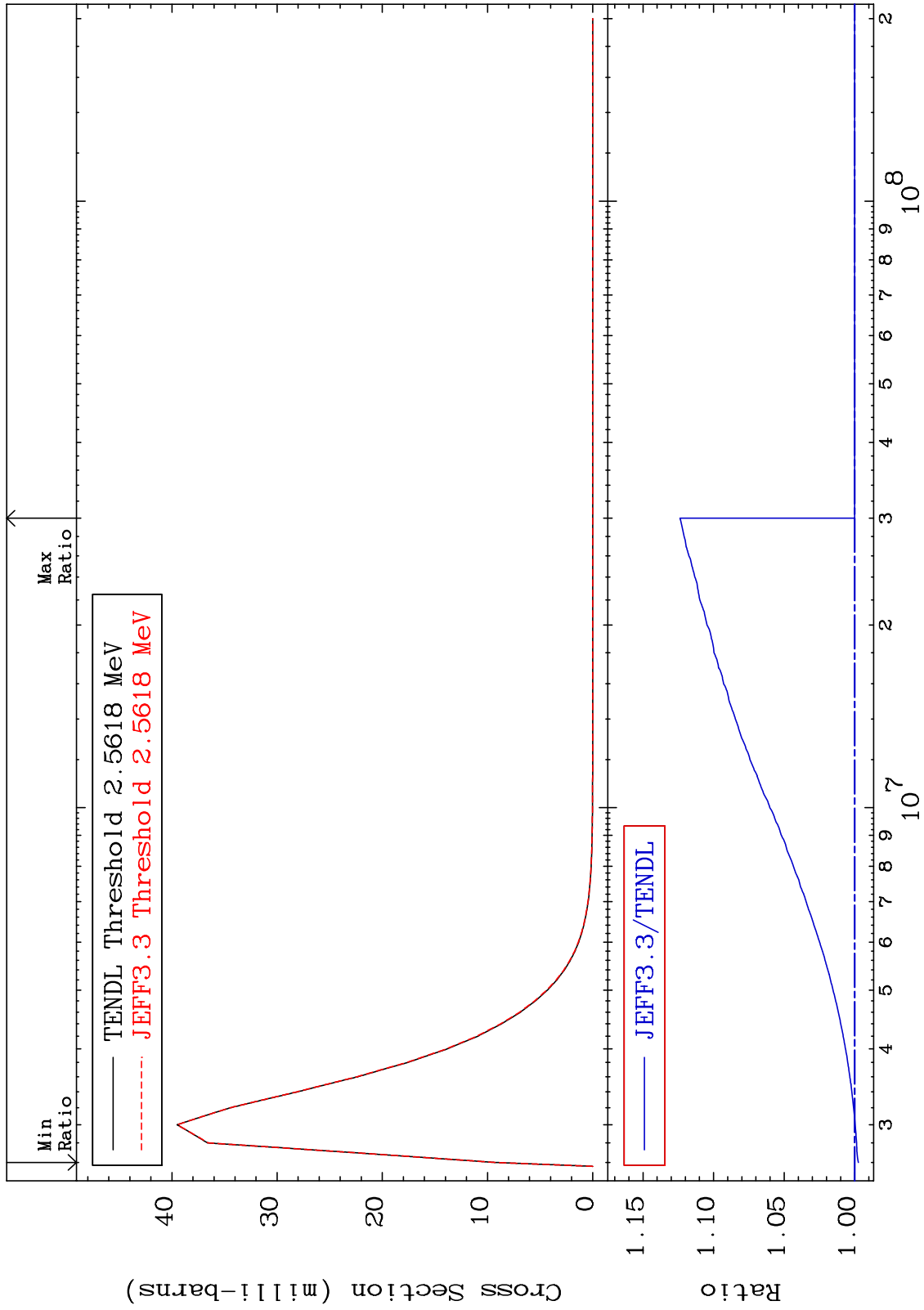
44-Ru-100
-1.051 To 1.826 %



MAT 4437

MT= 80 (n, n') Level
Cross Section

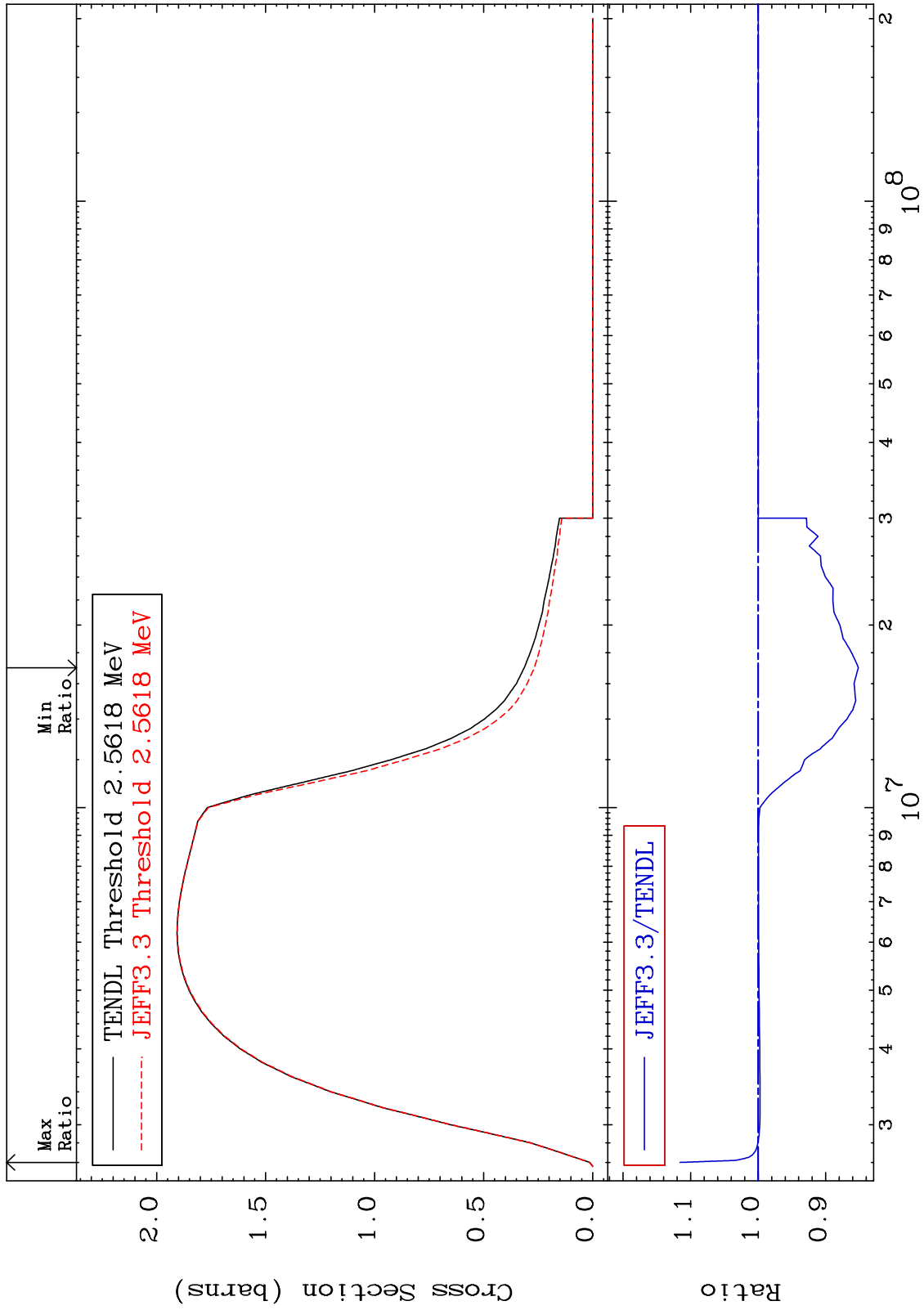
44-Ru-100
-0.259 To 12.38 %



MAT 4437

(n, n') Continuum
Cross Section

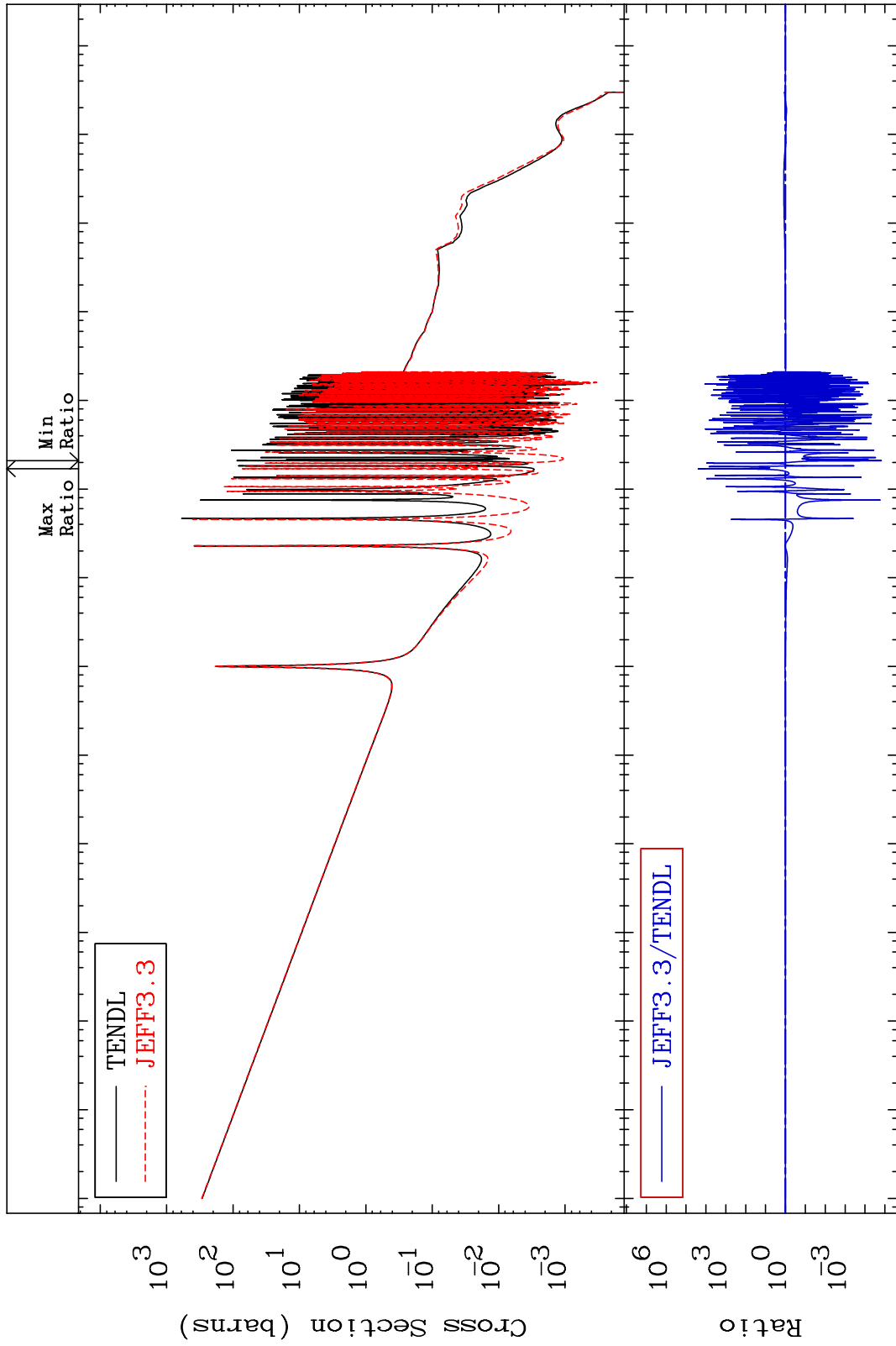
44-Ru-100
-14.84 To 11.57 %



MAT 4437

(n, γ)
Cross Section

44-Ru-100
-100.0 To 9999. %



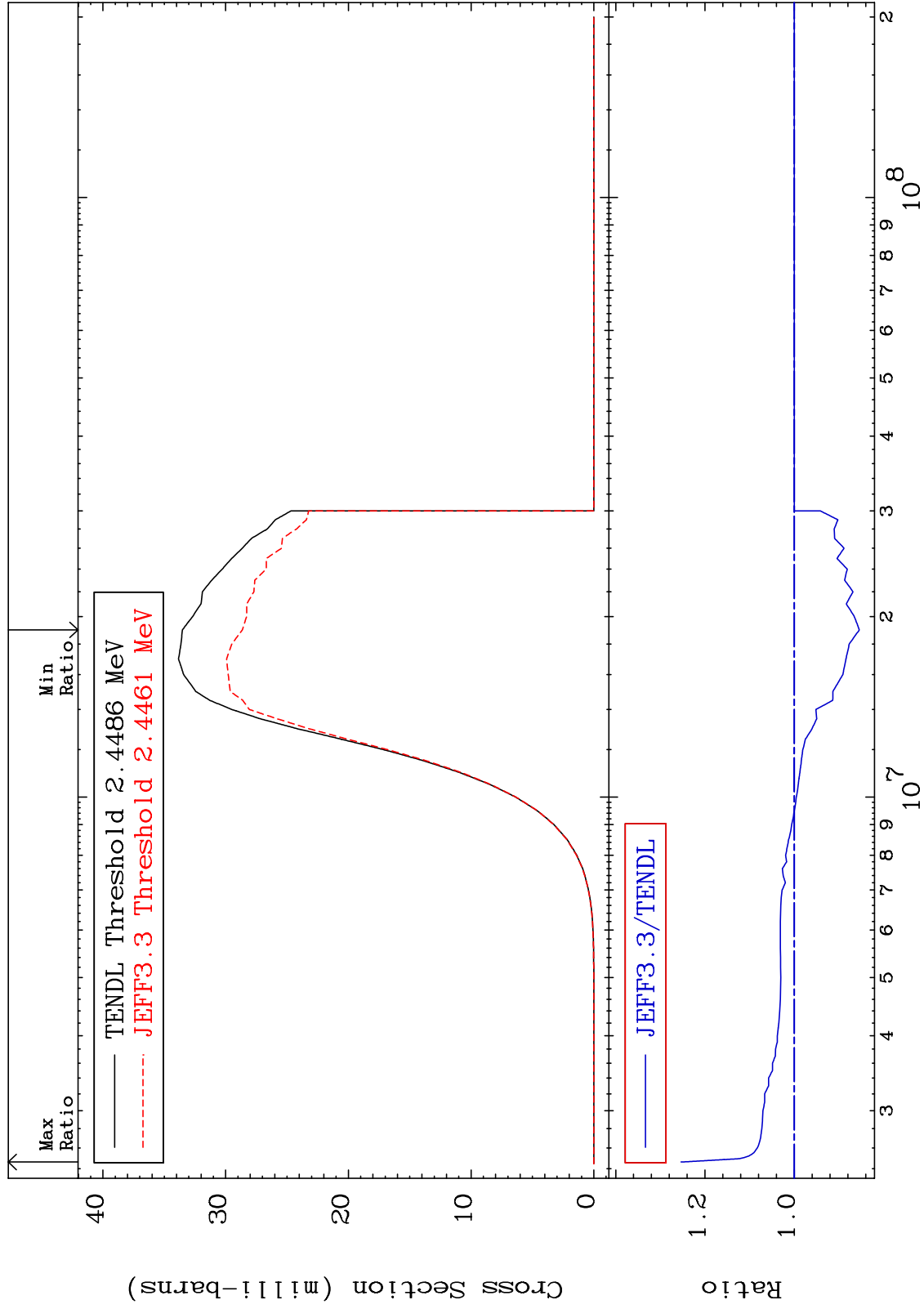
MAT 4437

(n, p)

44-Ru-100

Cross Section

-14.56 To 25.37 %



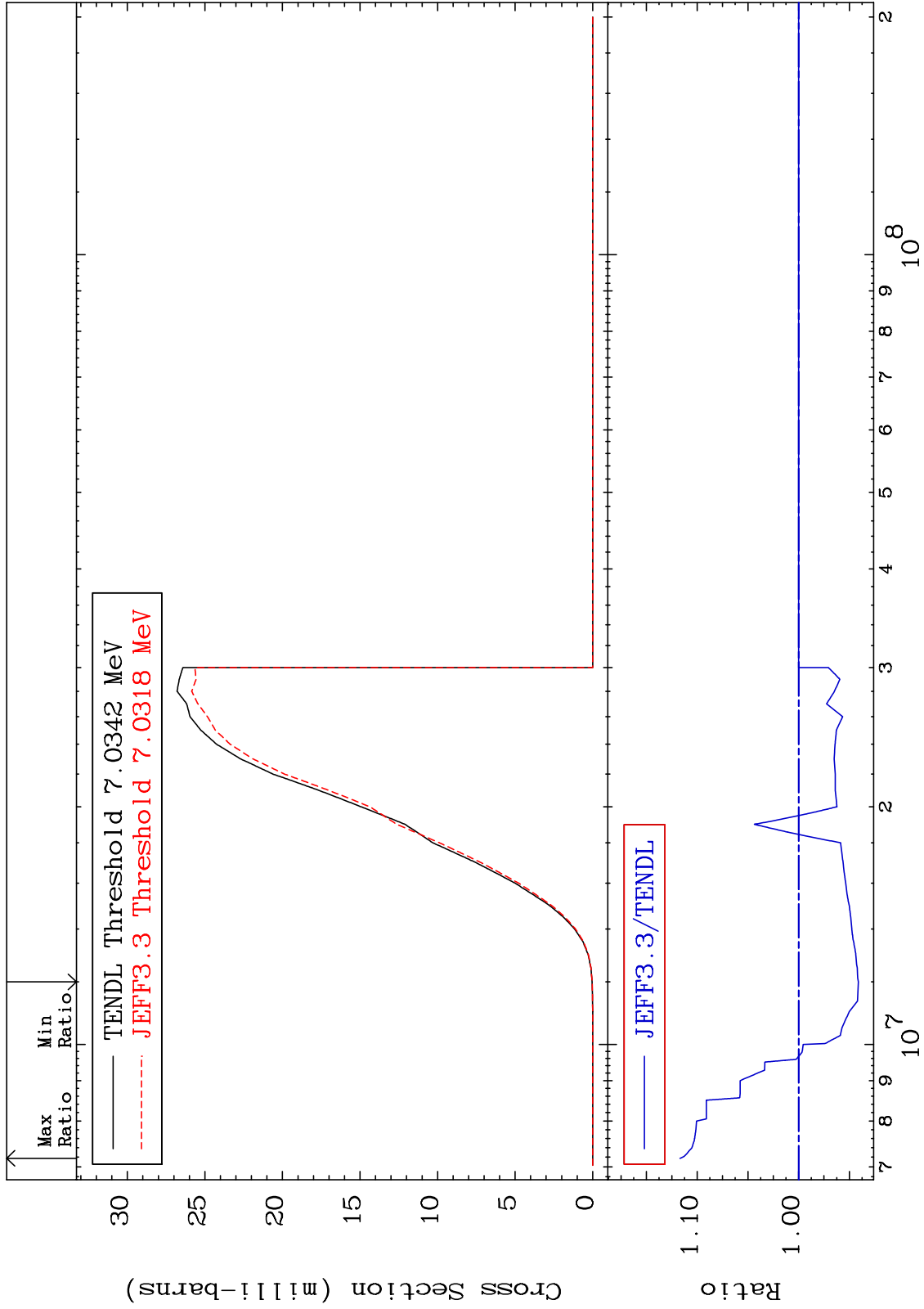
MAT 4437

(n, d)

44-Ru-100

Cross Section

-5.890 To 11.69 %



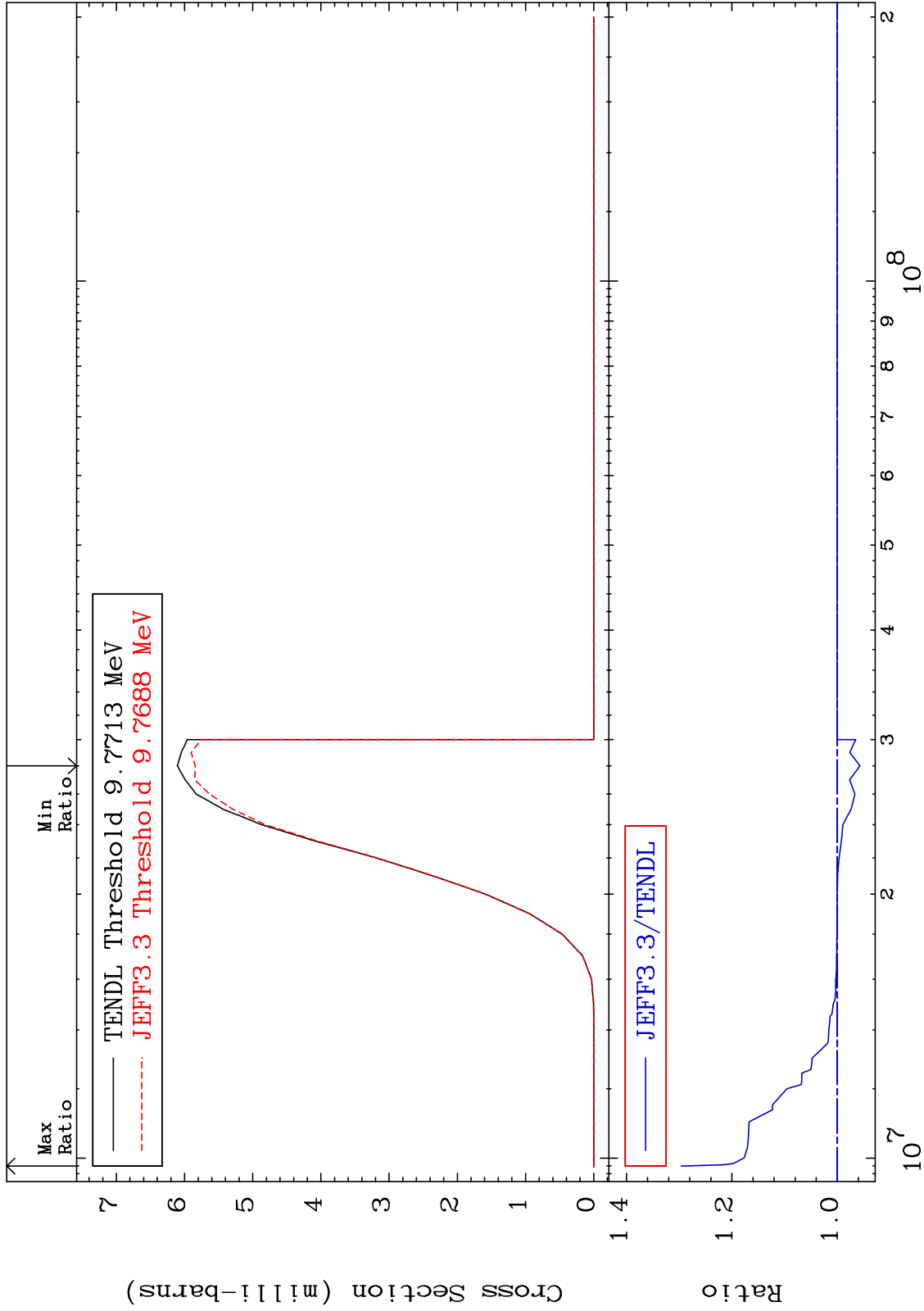
MAT 4437

(n, t)

44-Ru-100

Cross Section

-4.303 To 29.61 %



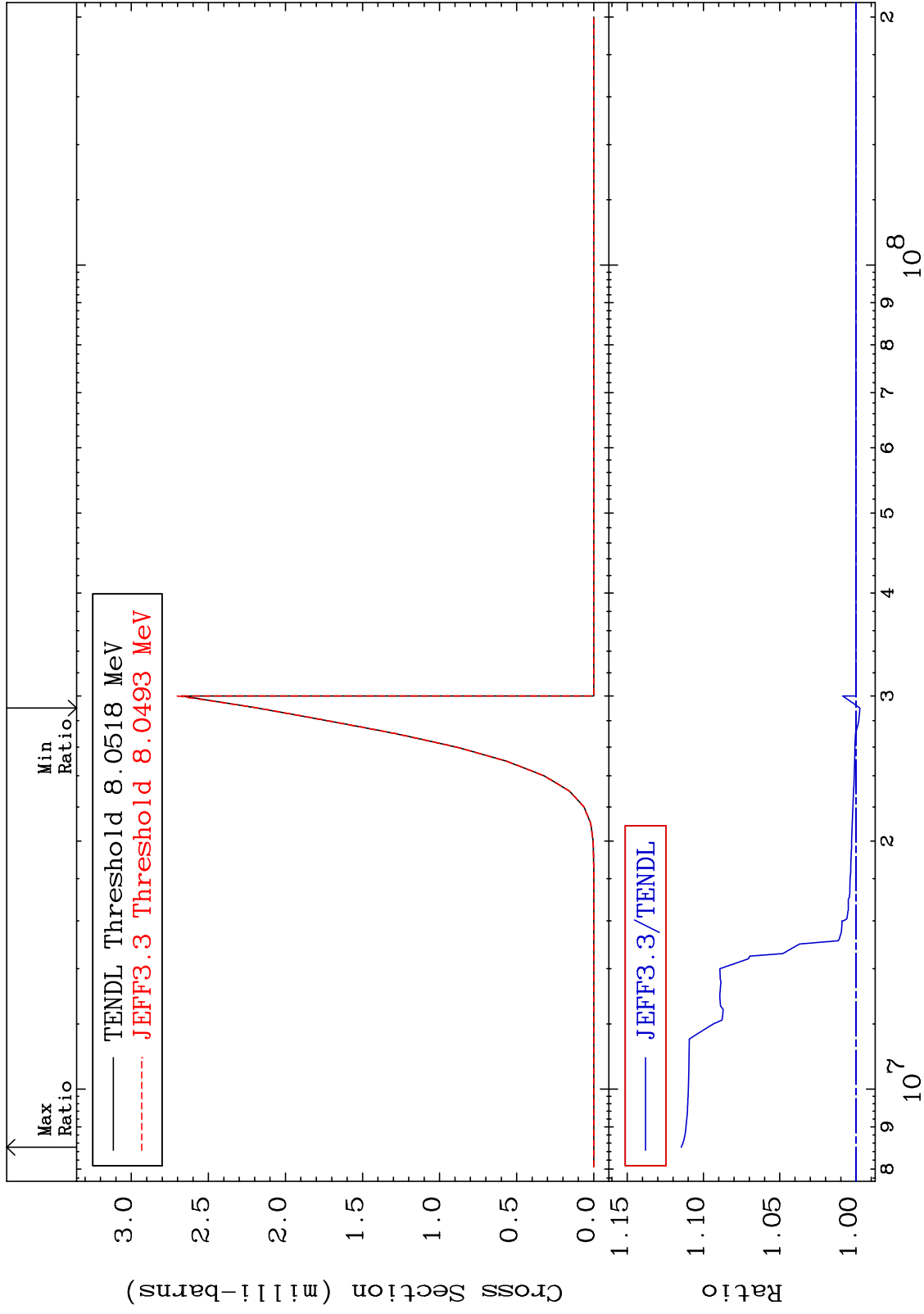
MAT 4437

(n, He-3)

44-Ru-100

Cross Section

-0.255 To 11.46 %

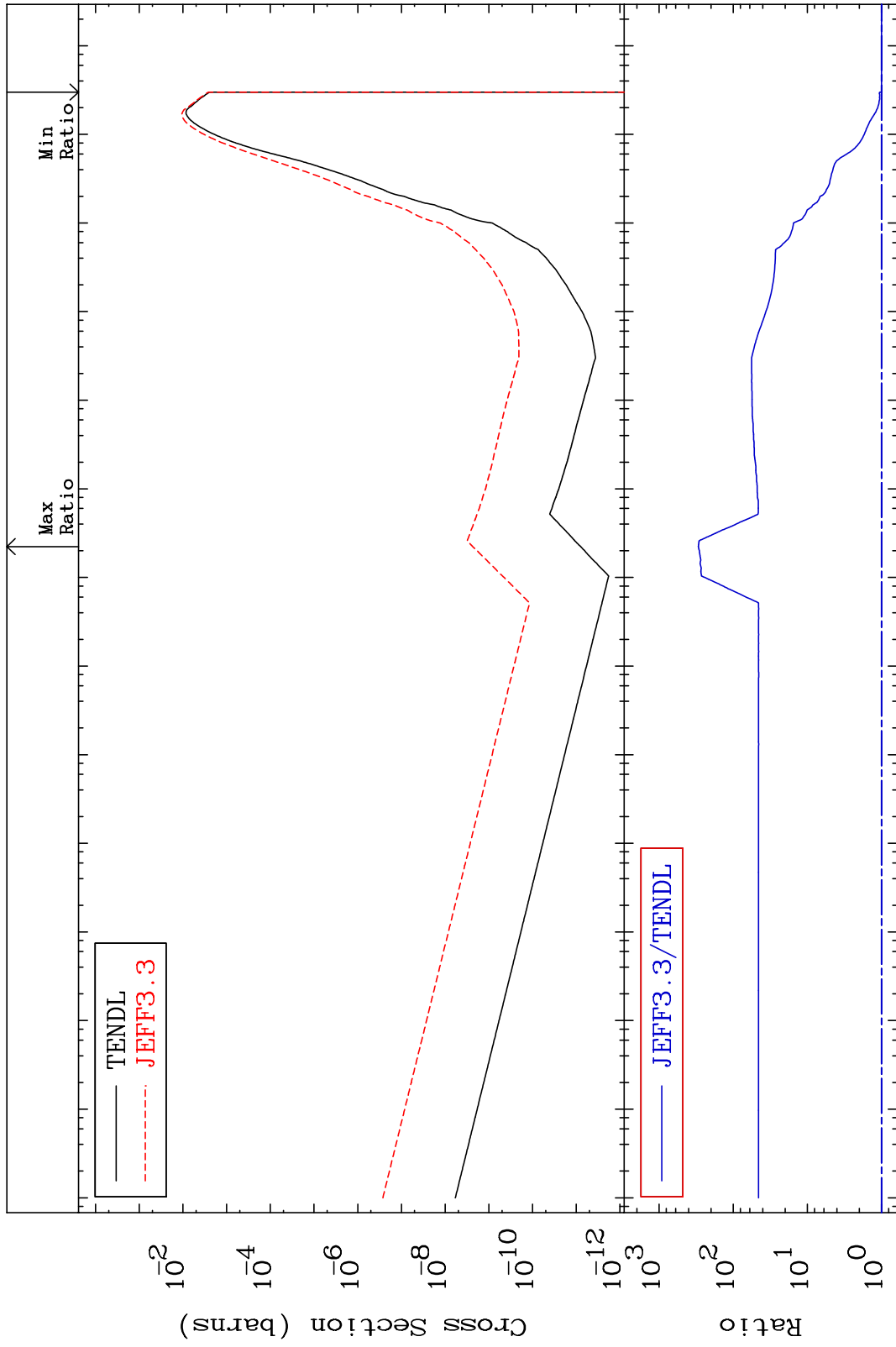


MAT 4437

(n, α)
Cross Section

0.000 To 9999. %

44-Ru-100



44-Ru-100

Incident Energy (eV)

56

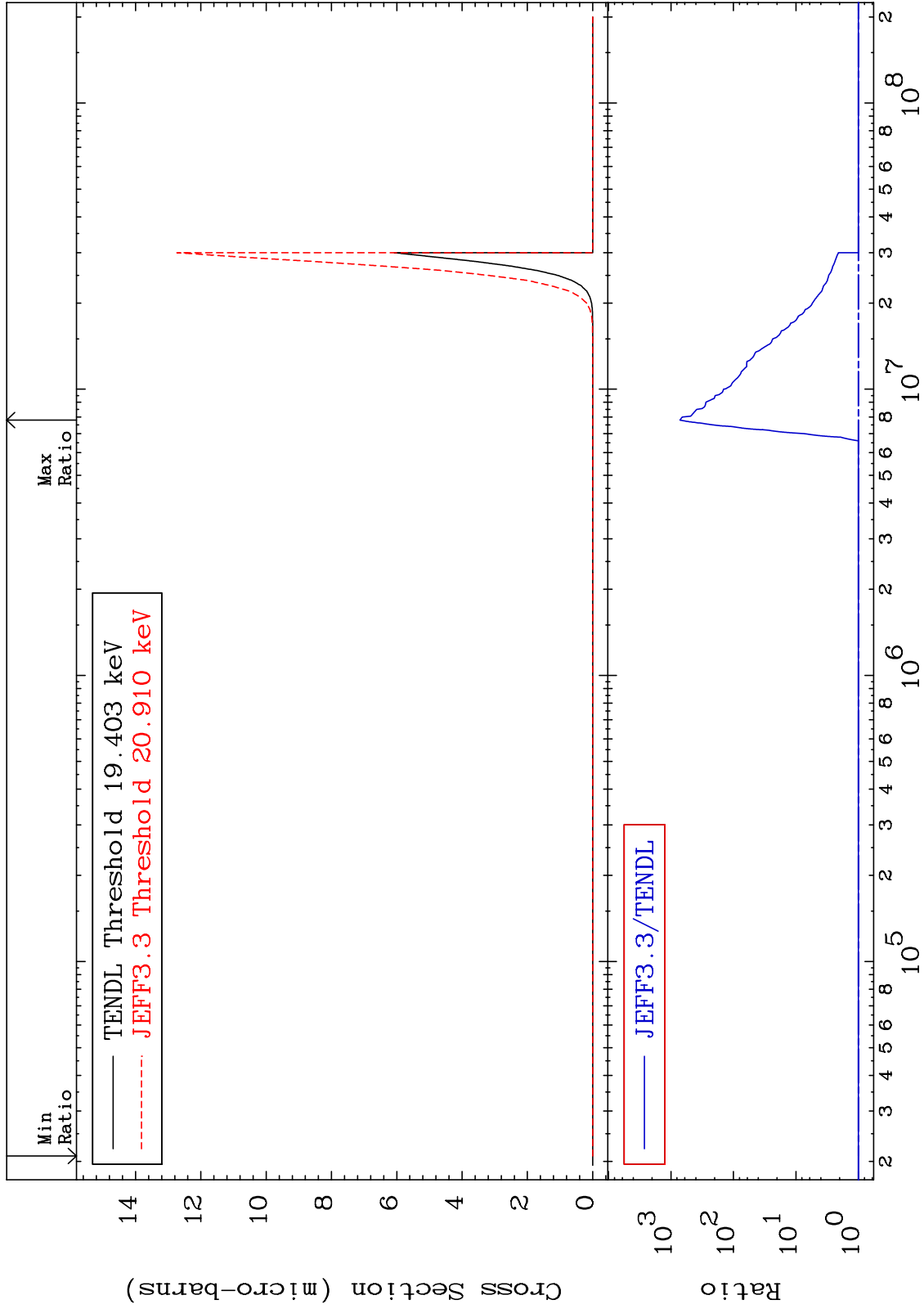
MAT 4437

(n, 2α)

44-Ru-100

Cross Section

0.000 To 9999. %



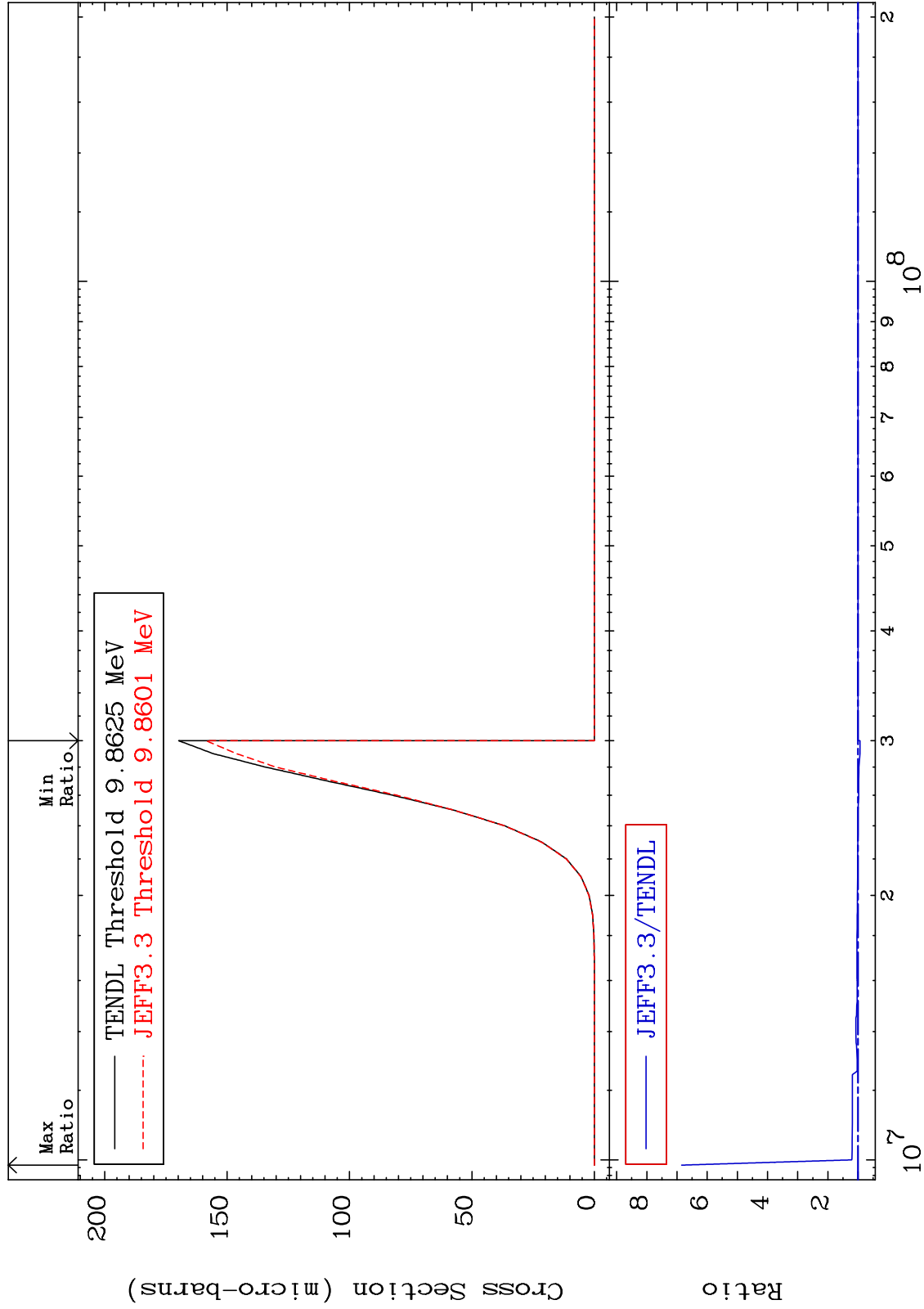
MAT 4437

(n,2p)

44-Ru-100

Cross Section

-6.618 To 584.6 %



58

Incident Energy (eV)

44-Ru-100

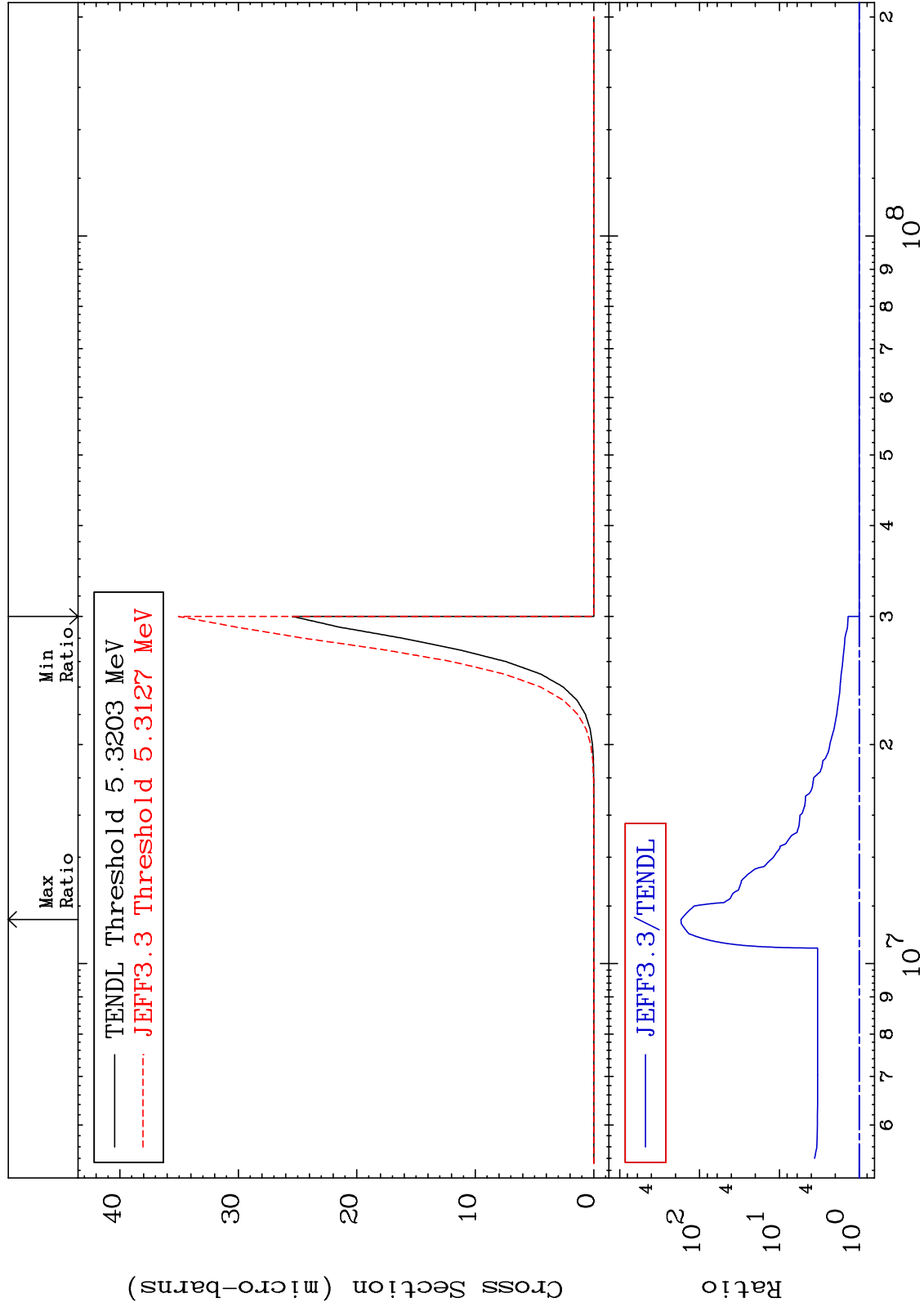
MAT 4437

(n,p) α

44-Ru-100

Cross Section

0.000 To 9999. %



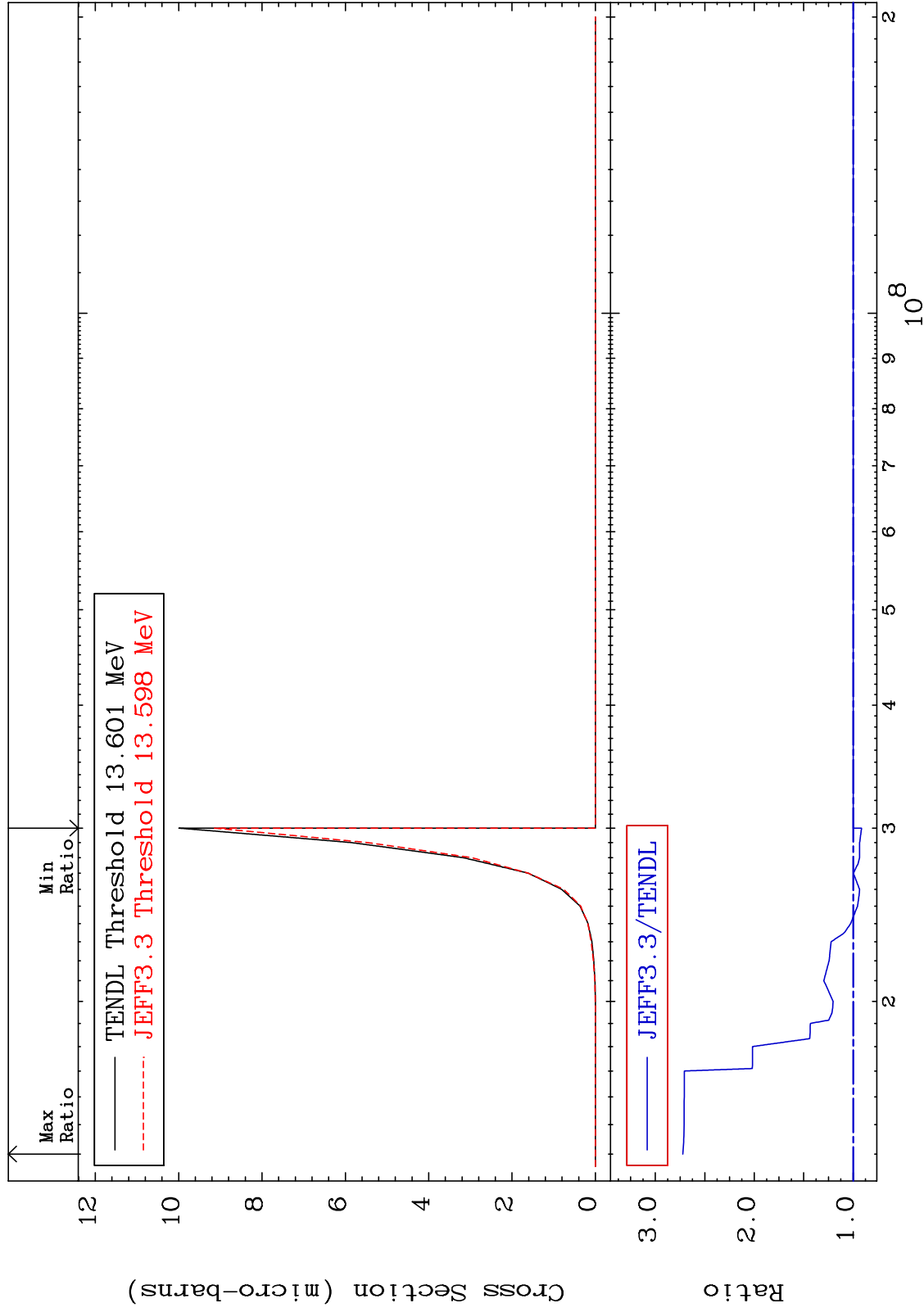
MAT 4437

(n,p) d

44-Ru-100

Cross Section

-8.504 To 172.2 %



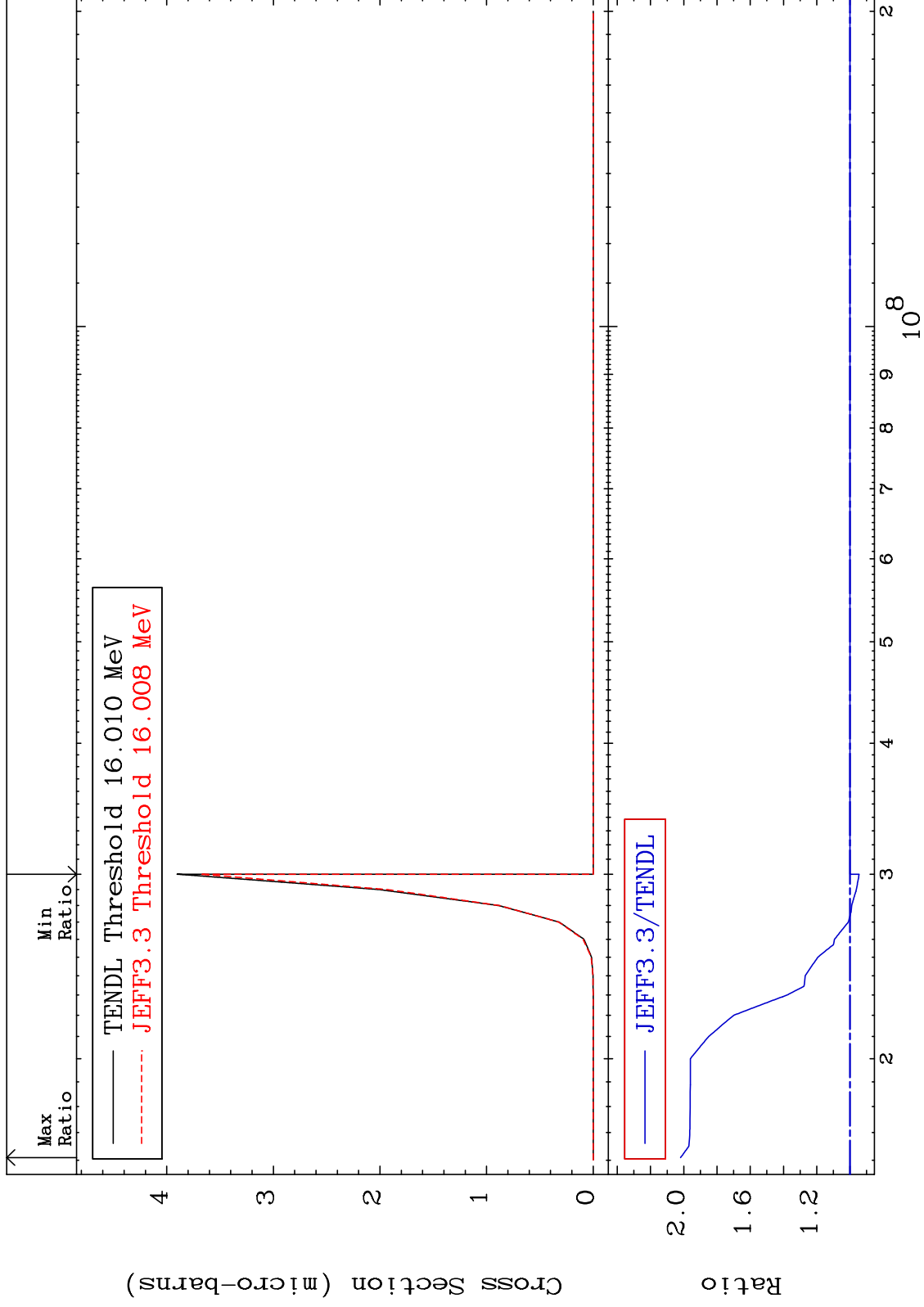
MAT 4437

(n,p) t

44-Ru-100

Cross Section

-5.516 To 101.9 %



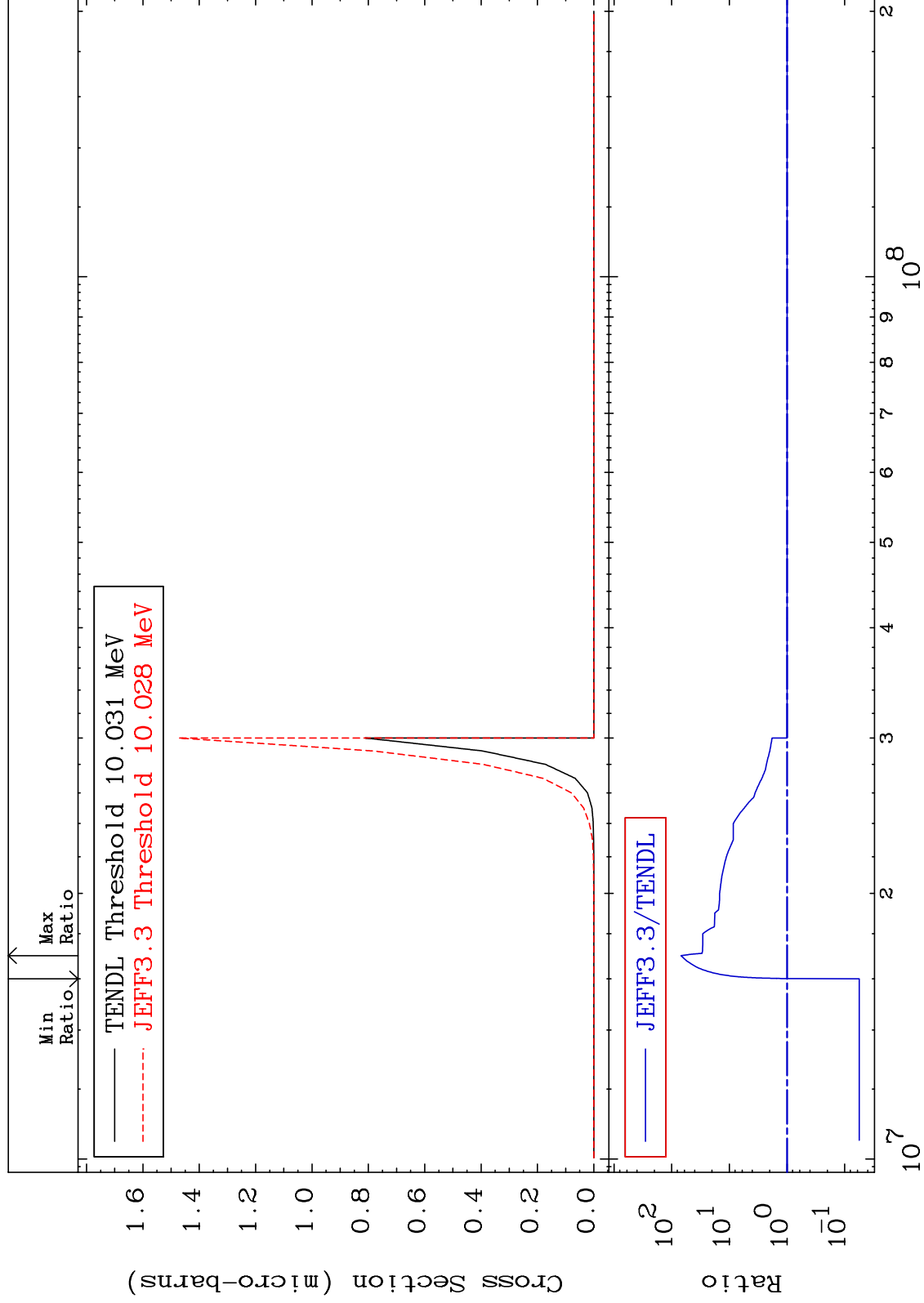
MAT 4437

(n,d) α

44-Ru-100

Cross Section

-94.41 To 6789. %



44-Ru-100

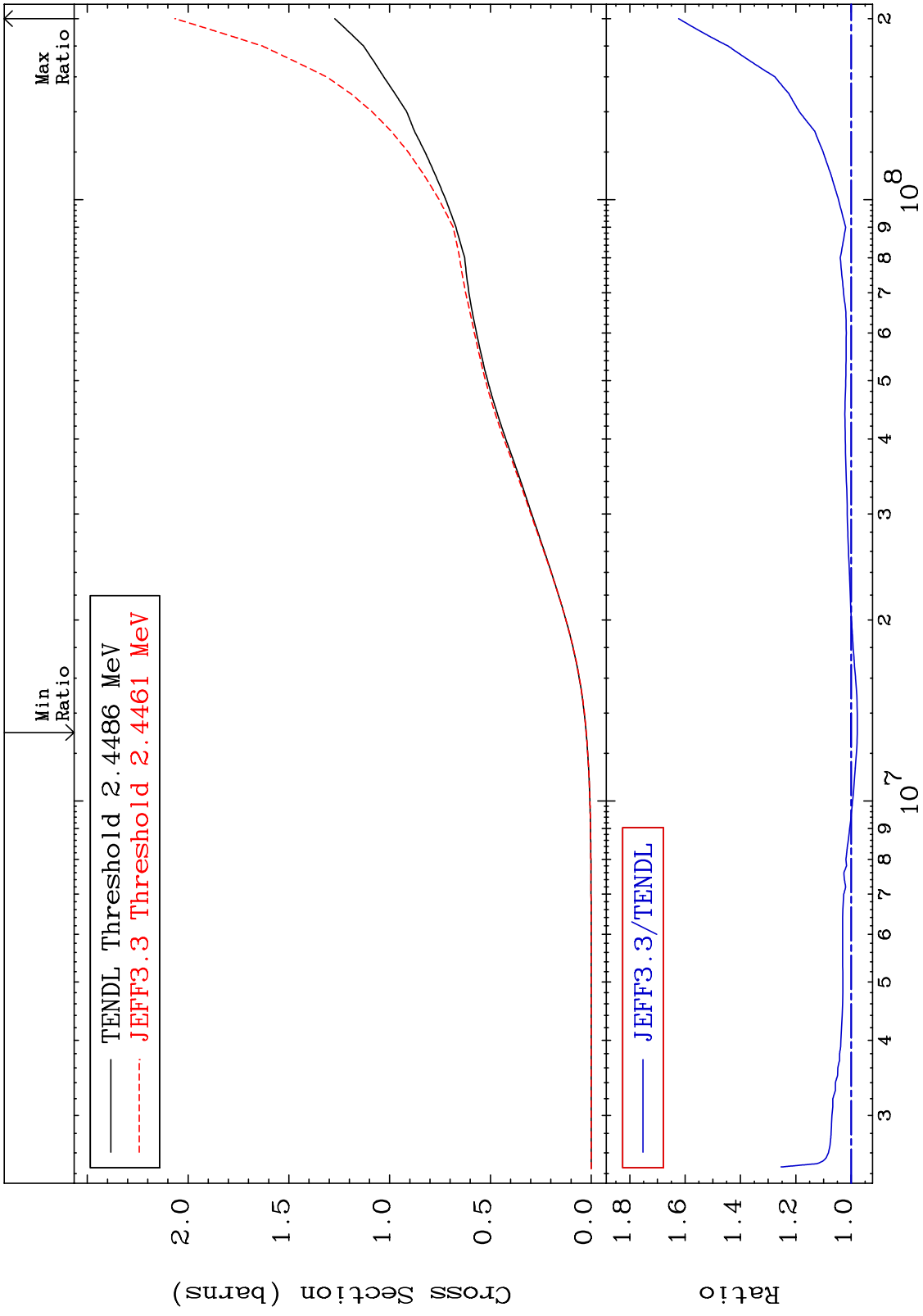
Incident Energy (eV)

62

MAT 4437

Hydrogen Production
Cross Section

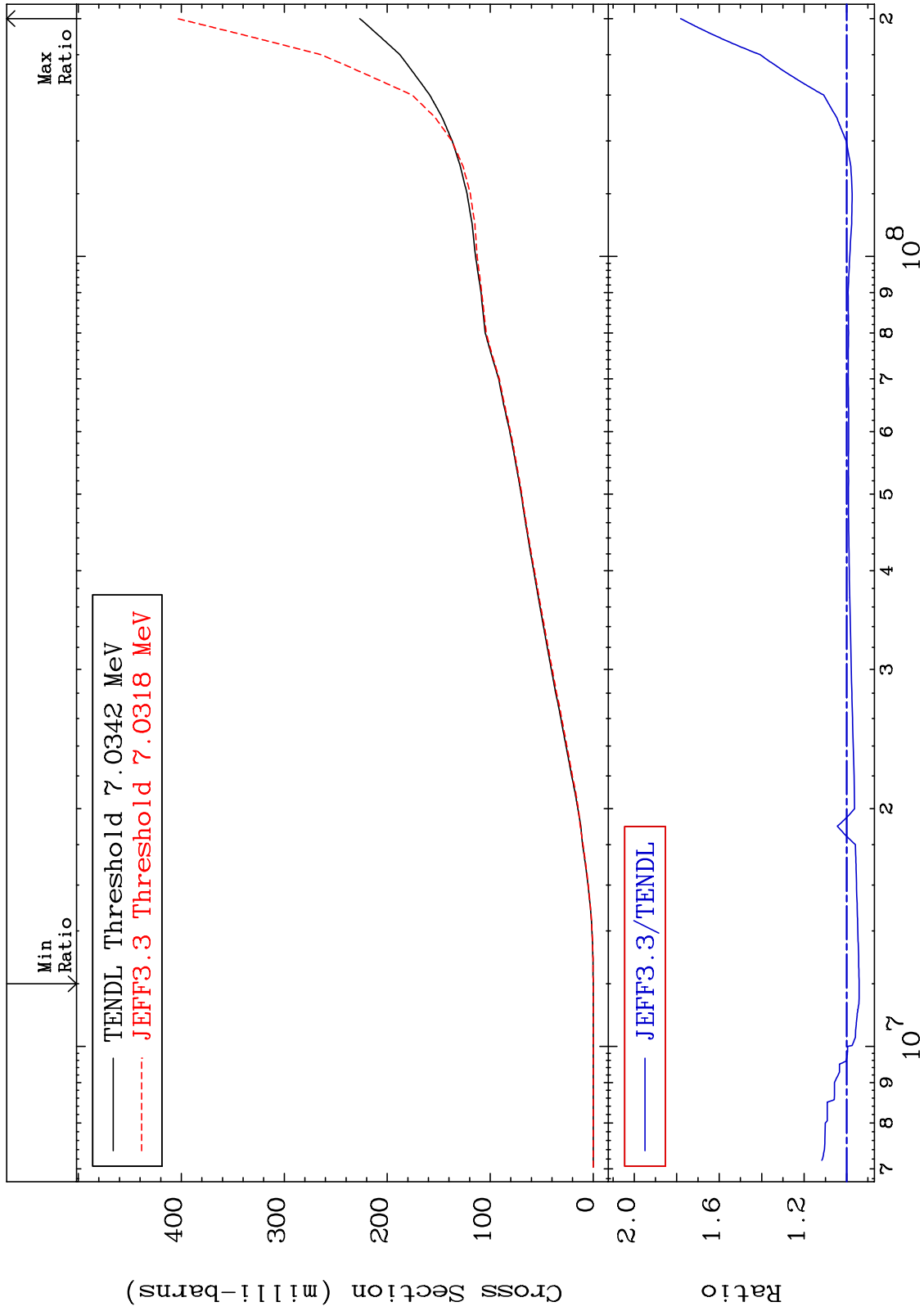
44-Ru-100
-2.188 To 62.34 %



MAT 4437

Deuterium Production
Cross Section

44-Ru-100
-5.890 To 78.16 %



64

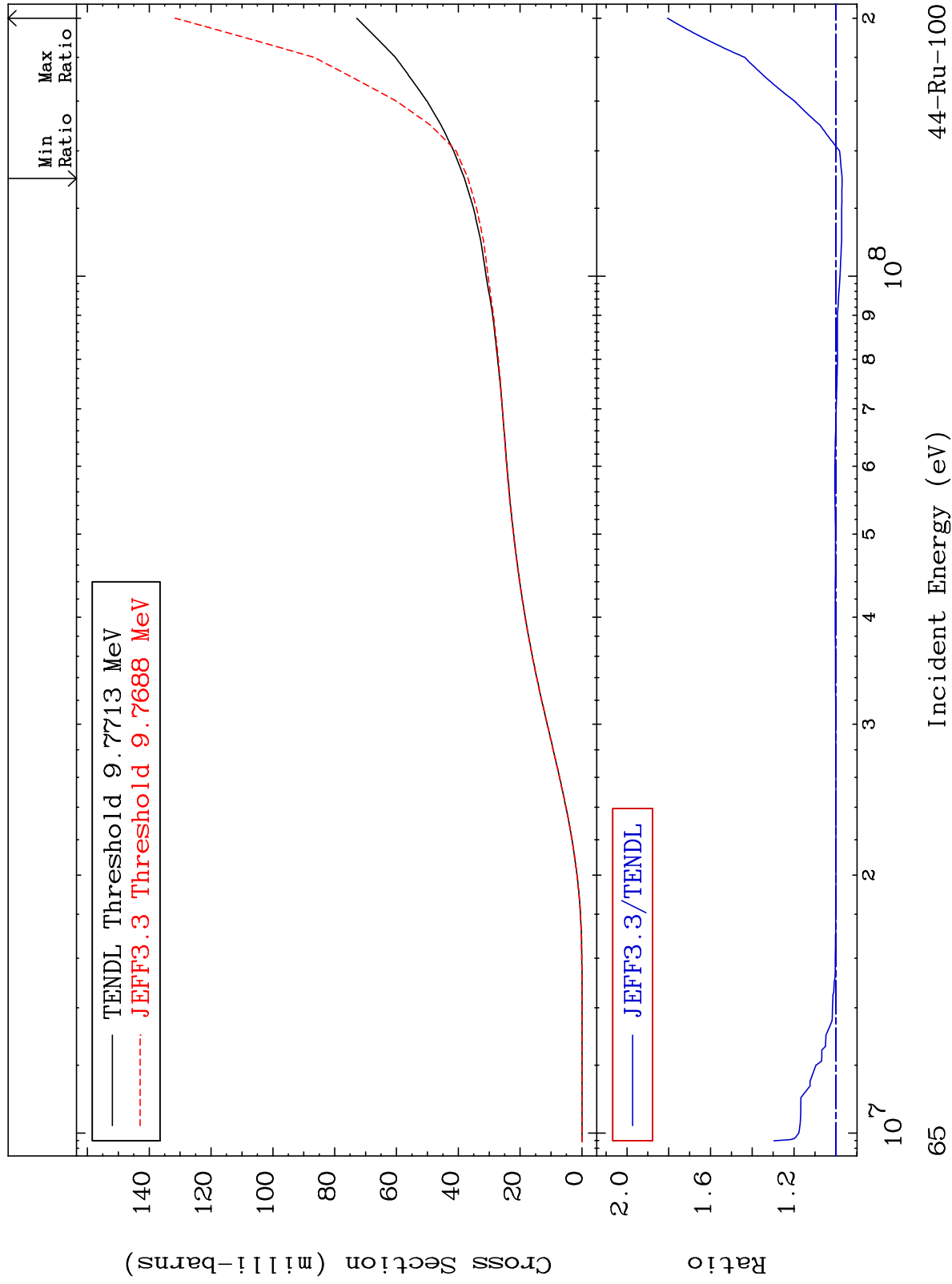
Incident Energy (eV)

44-Ru-100

MAT 4437

Tritium Production
Cross Section

44-Ru-100
-3.018 To 80.60 %



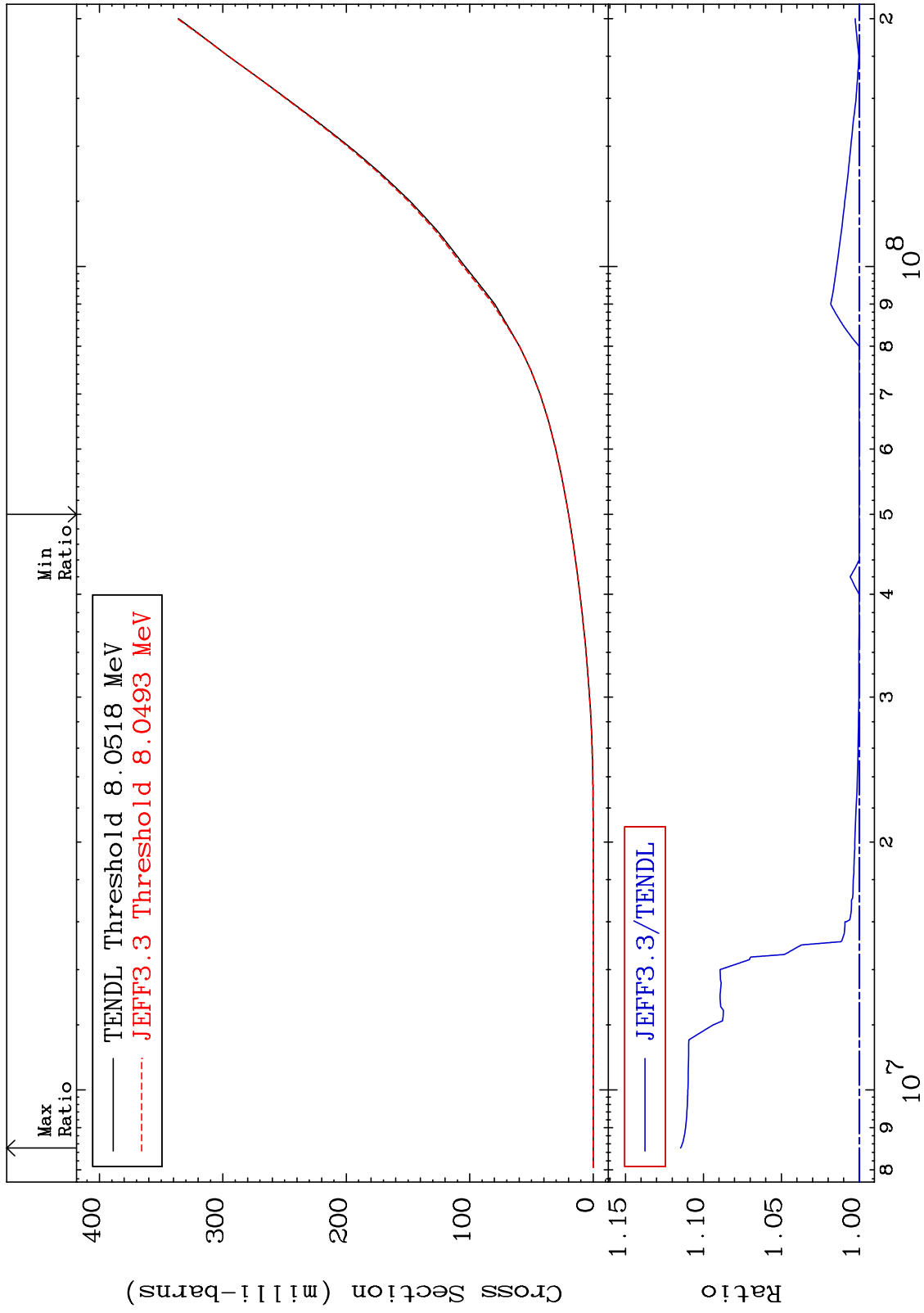
65

44-Ru-100

MAT 4437

He-3 Production
Cross Section

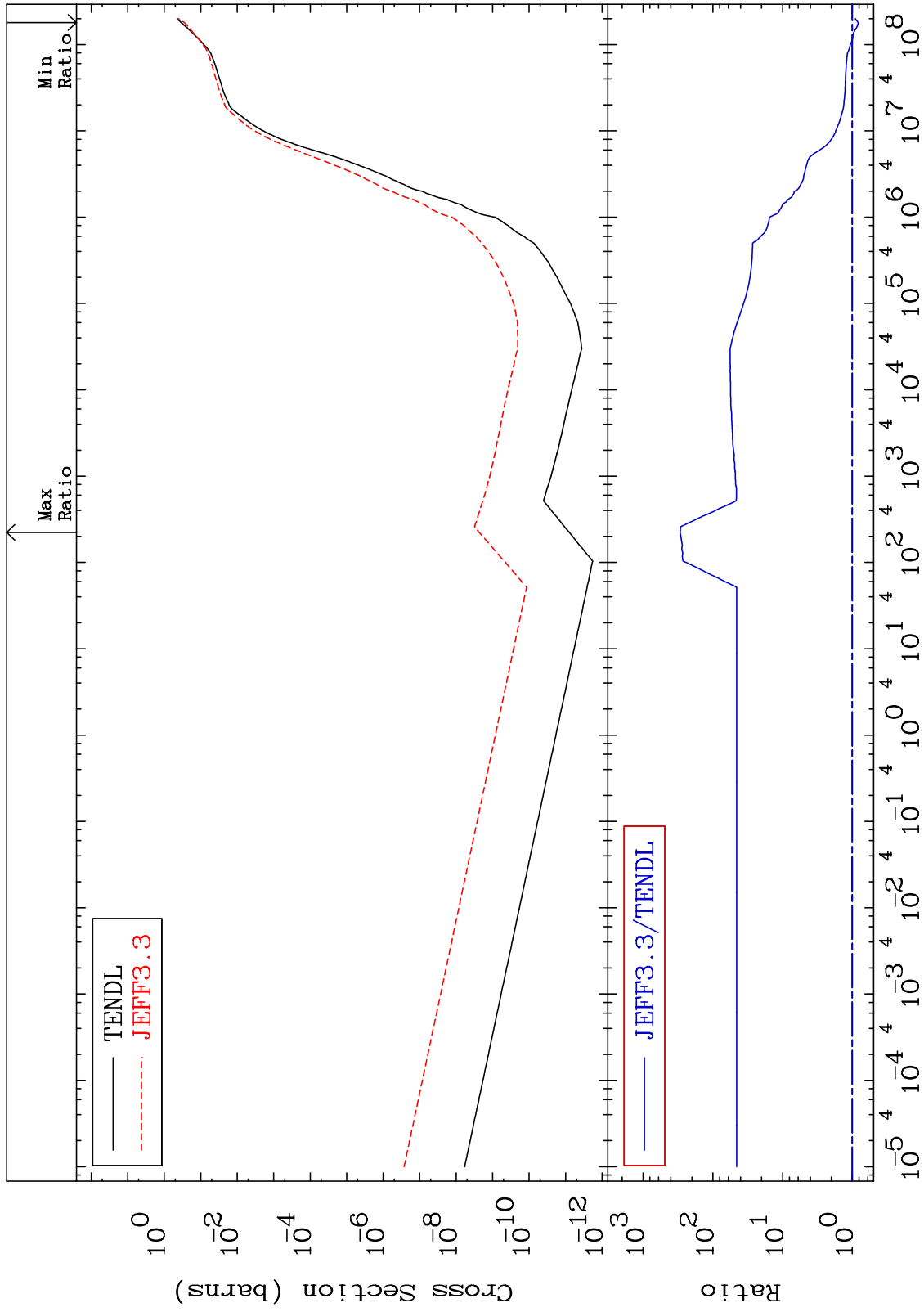
44-Ru-100
0.009 To 11.46 %



MAT 4437

He-4 Production
Cross Section

44-Ru-100
-18.19 To 9999. %



67

Incident Energy (eV)

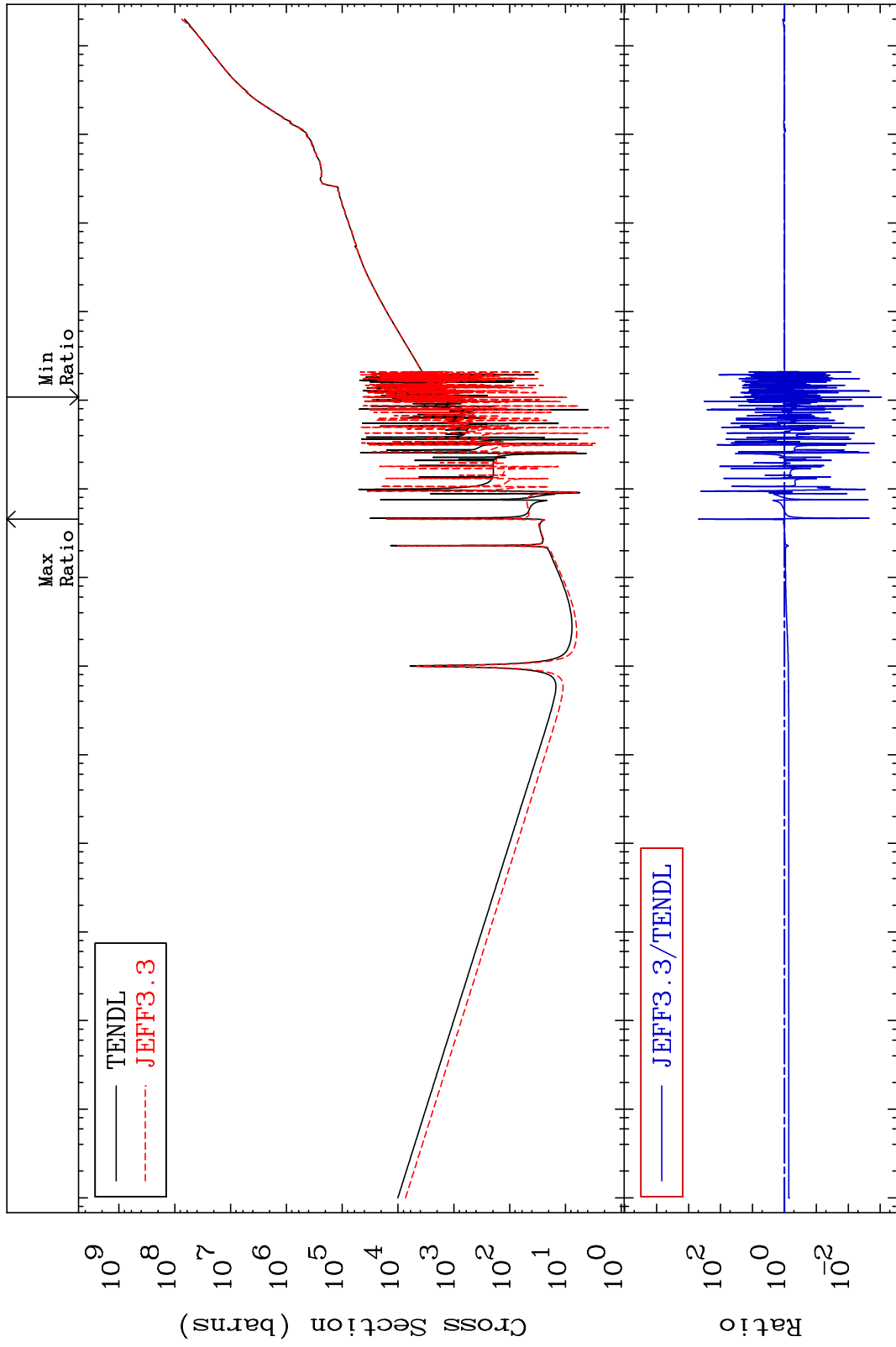
44-Ru-100

MAT 4437

Kerma total (eV-barns)
Cross Section

44-Ru-100

-99.91 To 9999. %



68

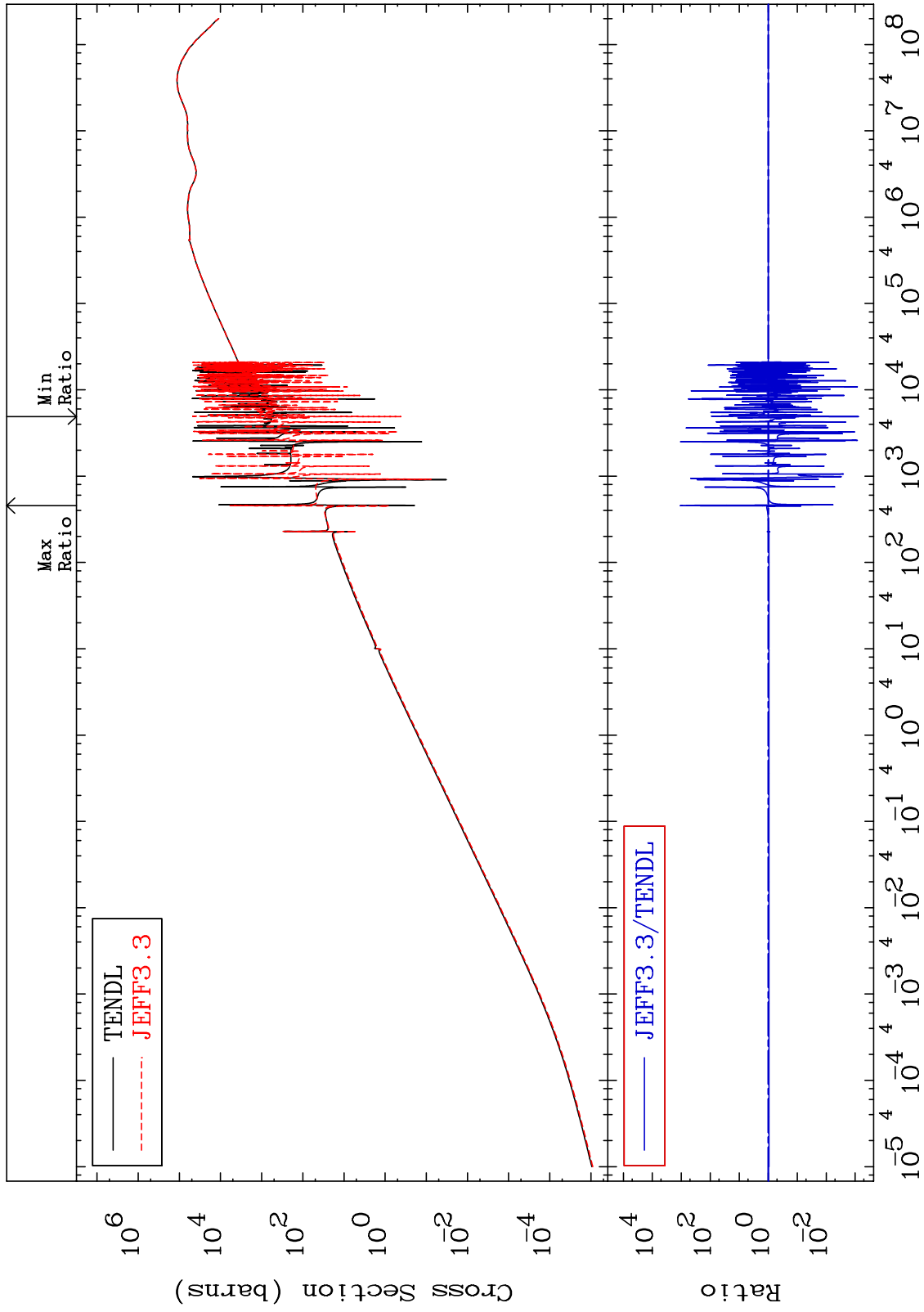
Incident Energy (eV)

44-Ru-100

MAT 4437

Kerma elastic
Cross Section

44-Ru-100
-99.92 To 9999. %



69

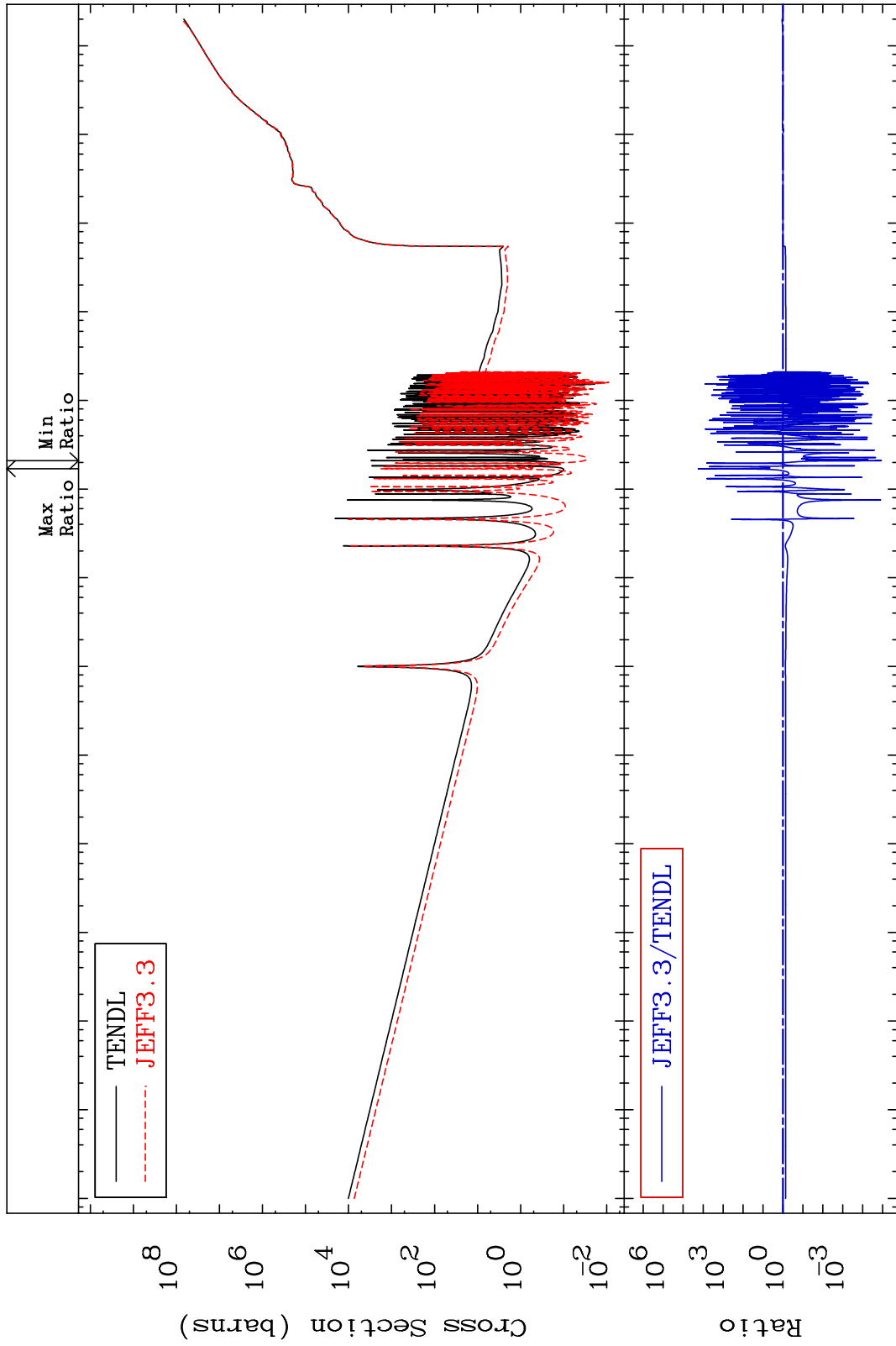
Incident Energy (eV)

44-Ru-100

MAT 4437

Kerma non-elastic (all but mt2)
Cross Section

44-Ru-100
-100.0 To 9999. %



70

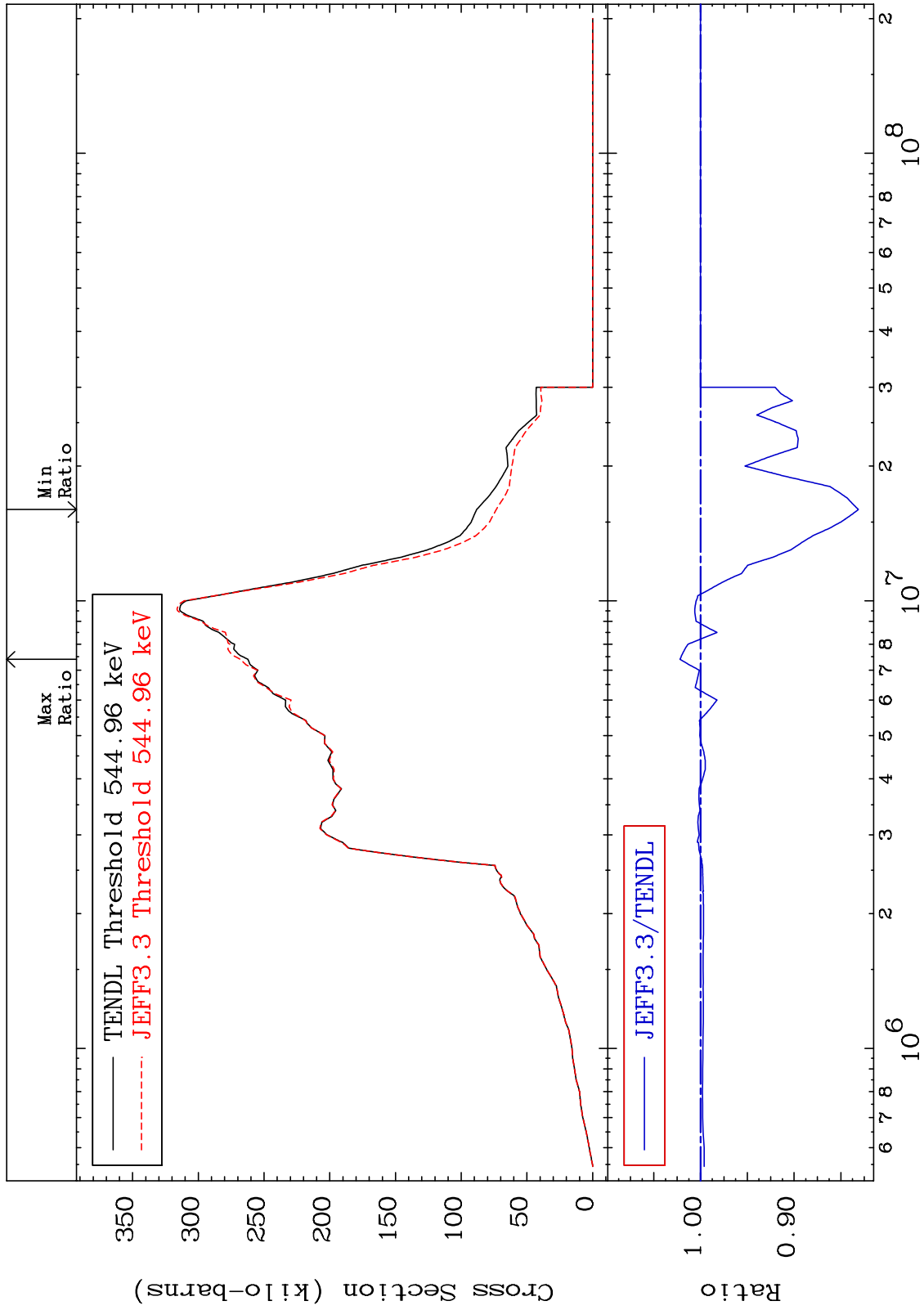
Incident Energy (eV)

44-Ru-100

MAT 4437

Kerma inelastic (mt51-91)
Cross Section

44-Ru-100
-16.88 To 2.196 %



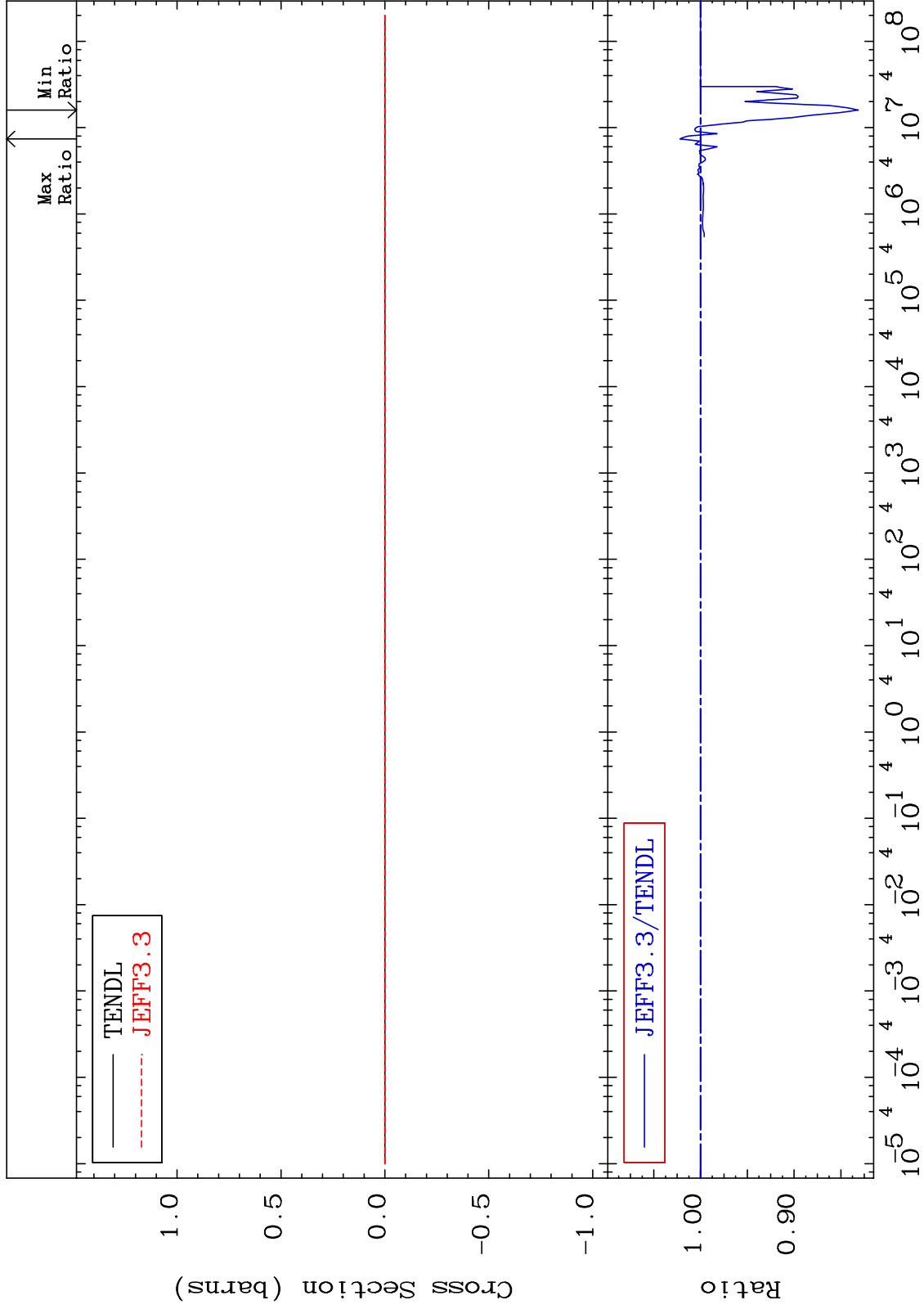
71

44-Ru-100

MAT 4437

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

44-Ru-100
-16.88 To 2.196 %



72

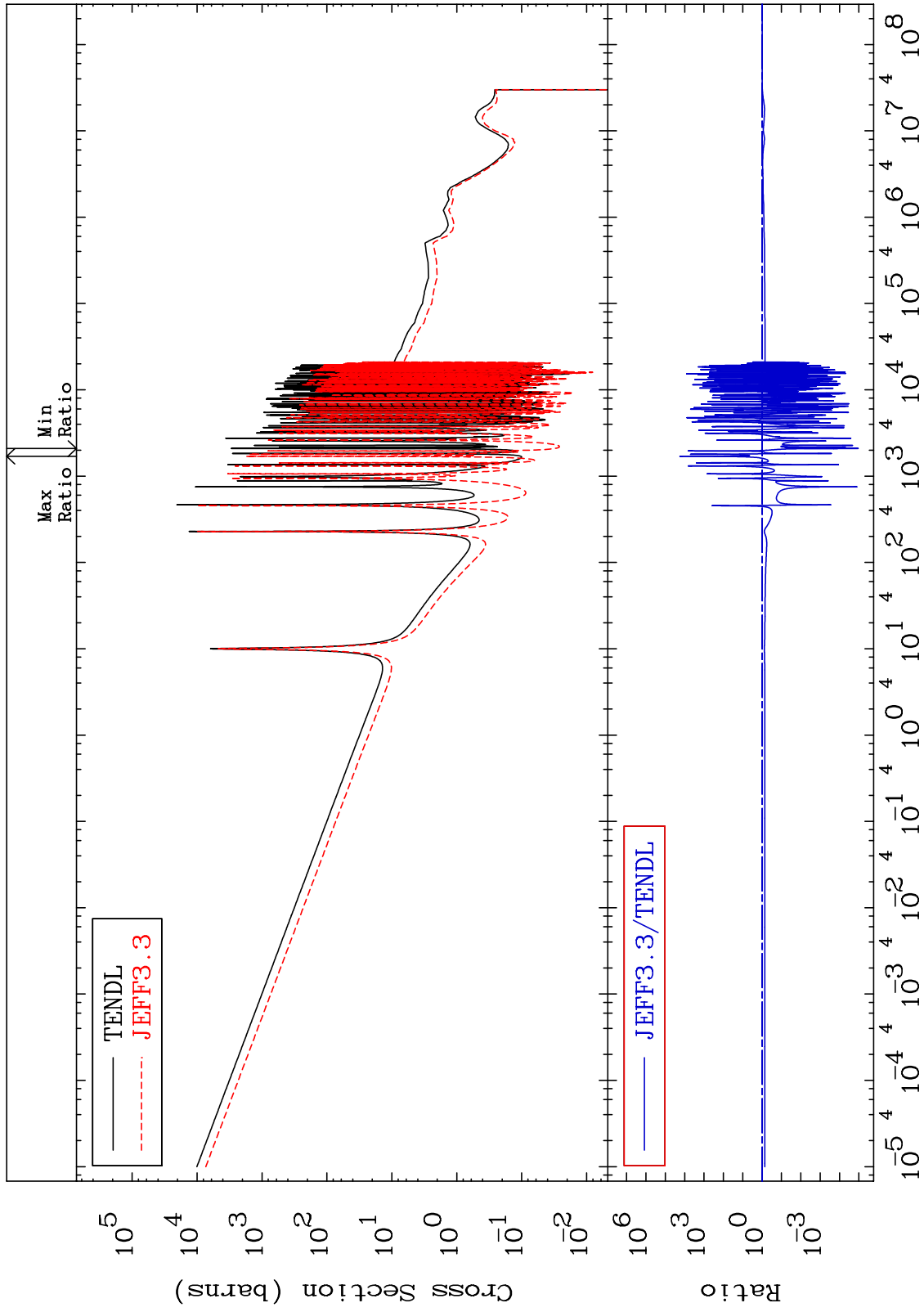
Incident Energy (eV)

44-Ru-100

MAT 4437

Kerma capture (mt102)
Cross Section

44-Ru-100
-100.0 To 9999. %



73

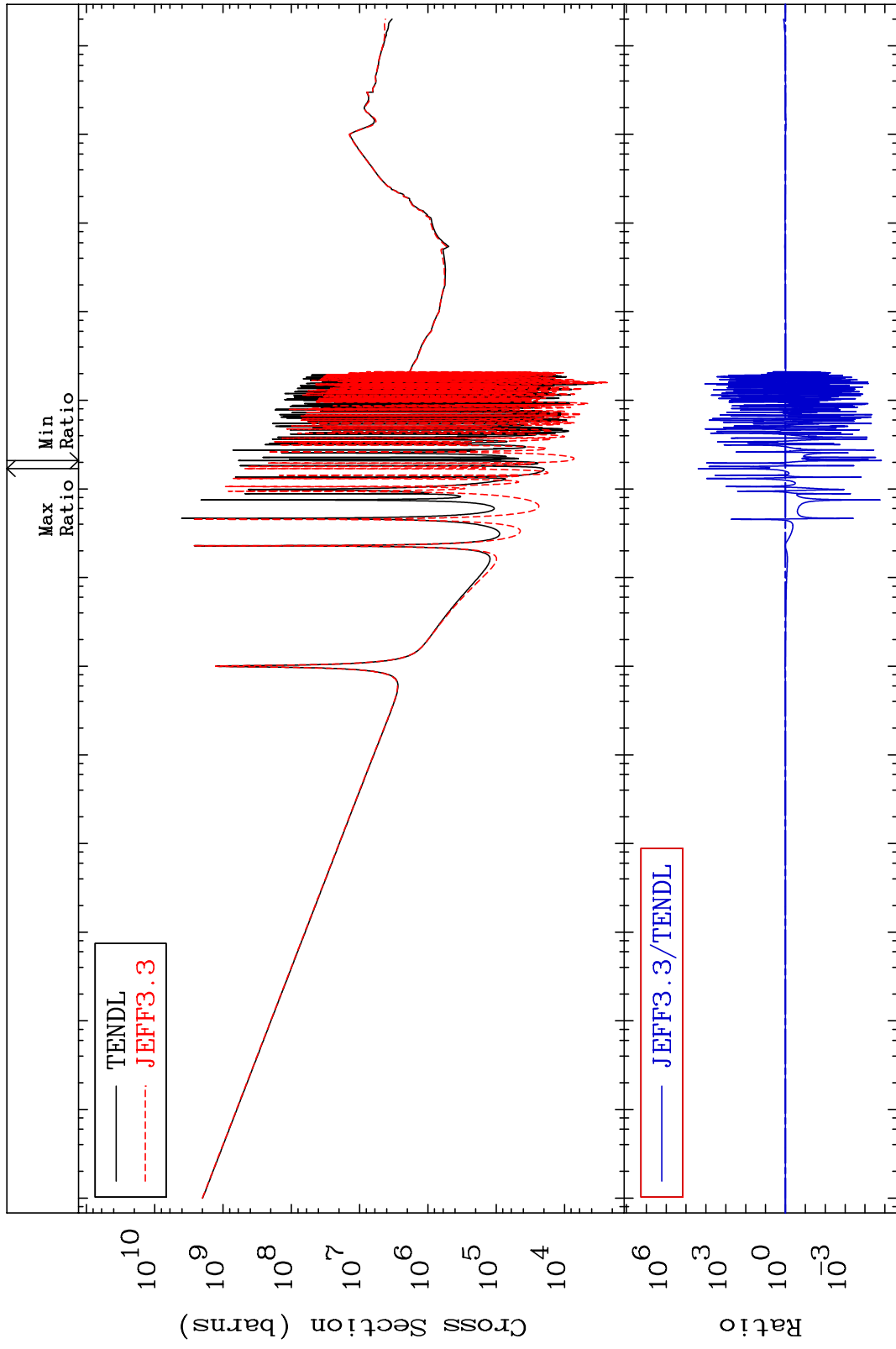
Incident Energy (eV)

44-Ru-100

MAT 4437

Total photon (eV-barns)
Cross Section

44-Ru-100
-100.0 To 9999. %

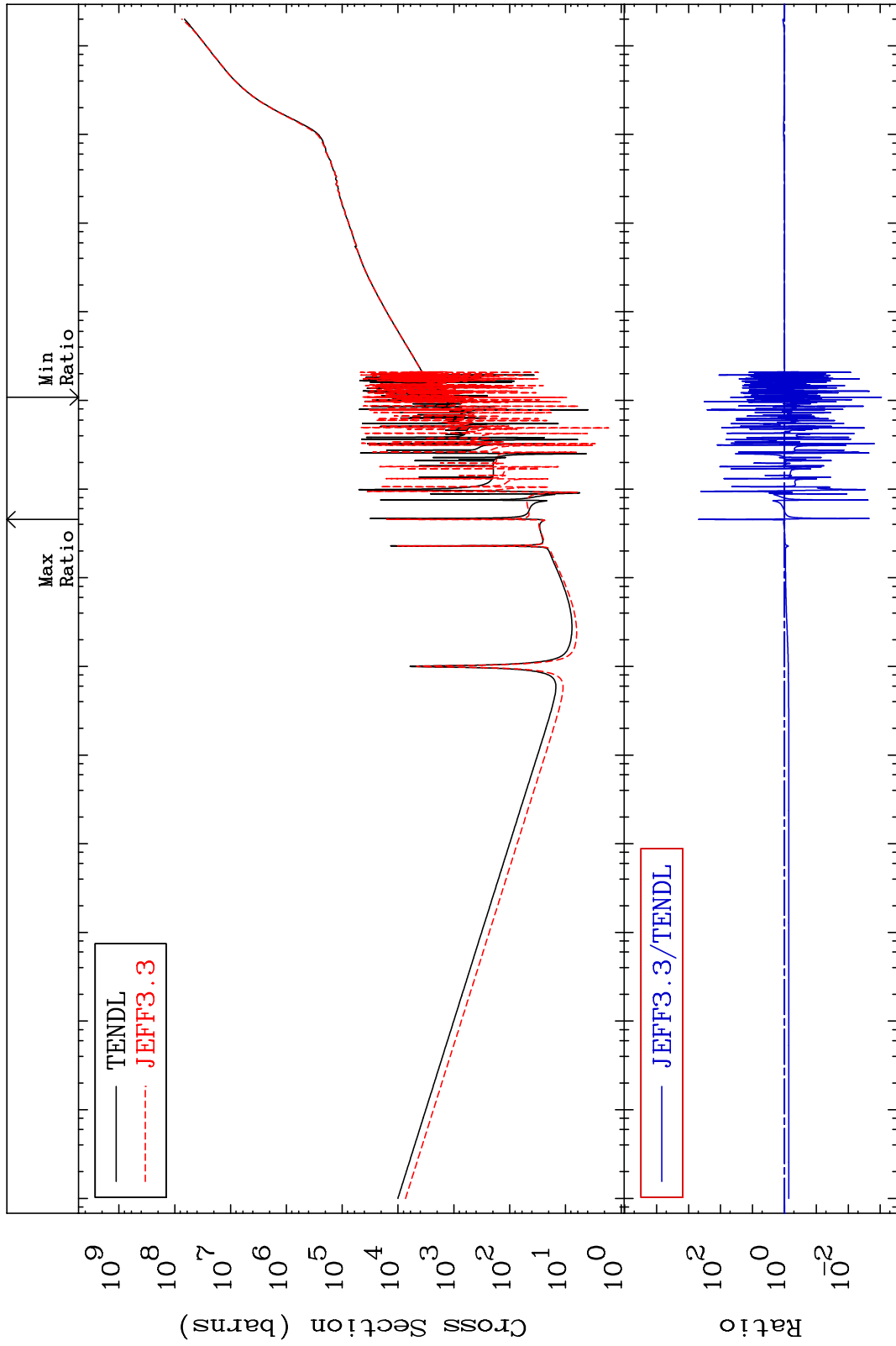


Incident Energy (eV) 44-Ru-100

MAT 4437

Total kinematic kerma (high limit)
Cross Section

44-Ru-100
-99.91 To 9999. %



75

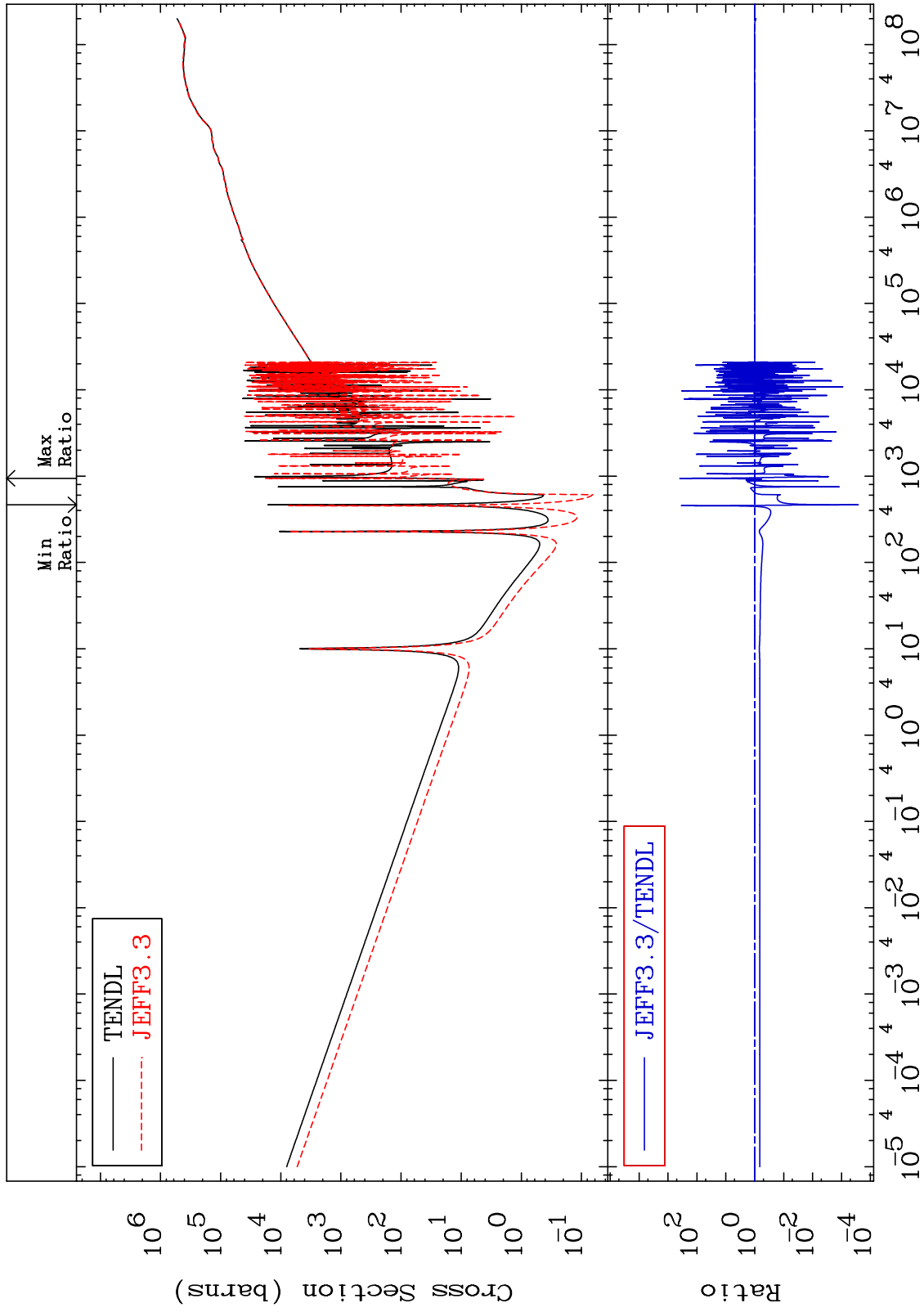
Incident Energy (eV)

44-Ru-100

MAT 4437

Dpa total (eV-barns)
Cross Section

44-Ru-100
-99.97 To 9999. %



76

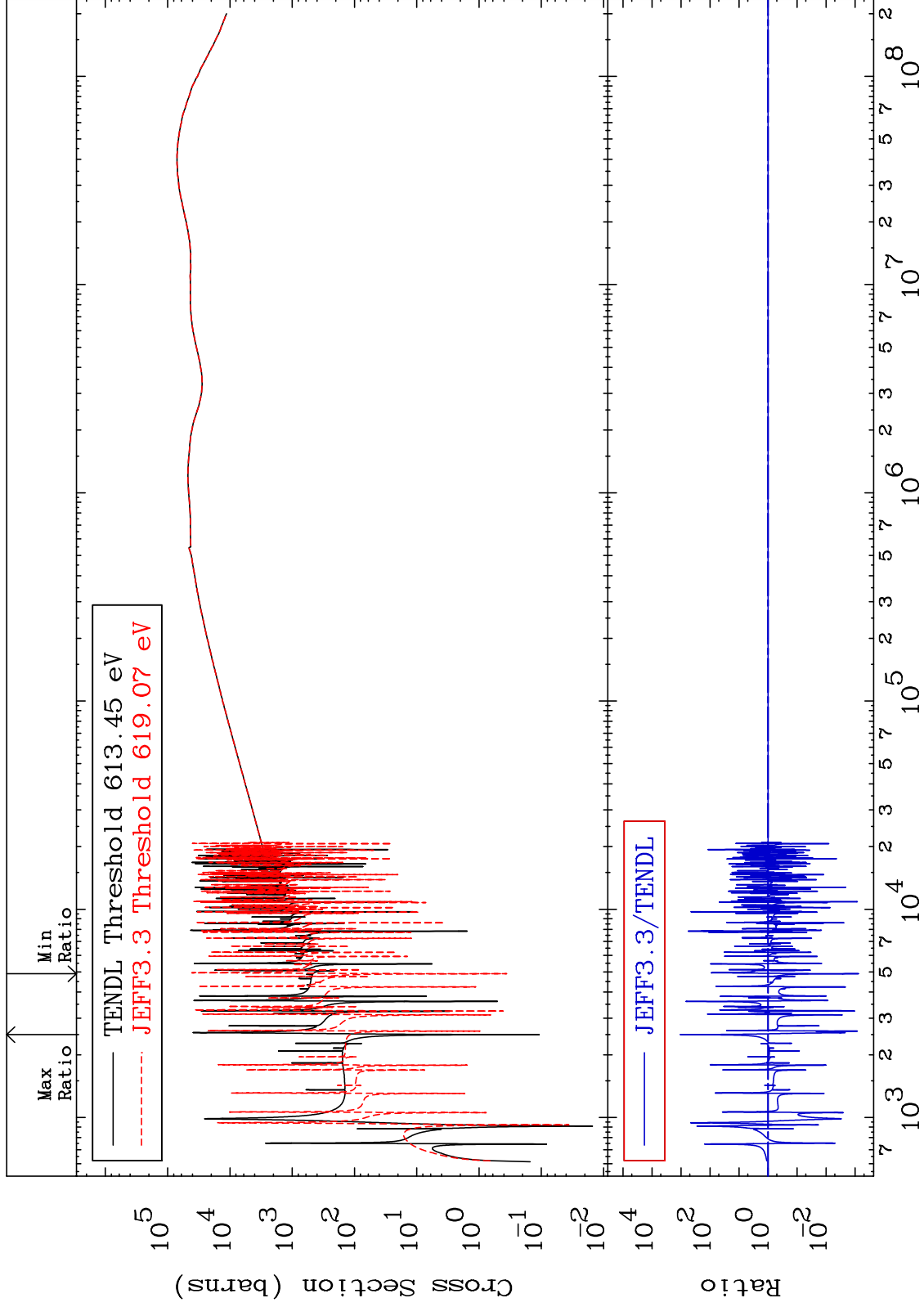
Incident Energy (eV)

44-Ru-100

MAT 4437

Dpa elastic (mt2)
Cross Section

44-Ru-100
-99.92 To 9999. %



77

44-Ru-100

44-Ru-100

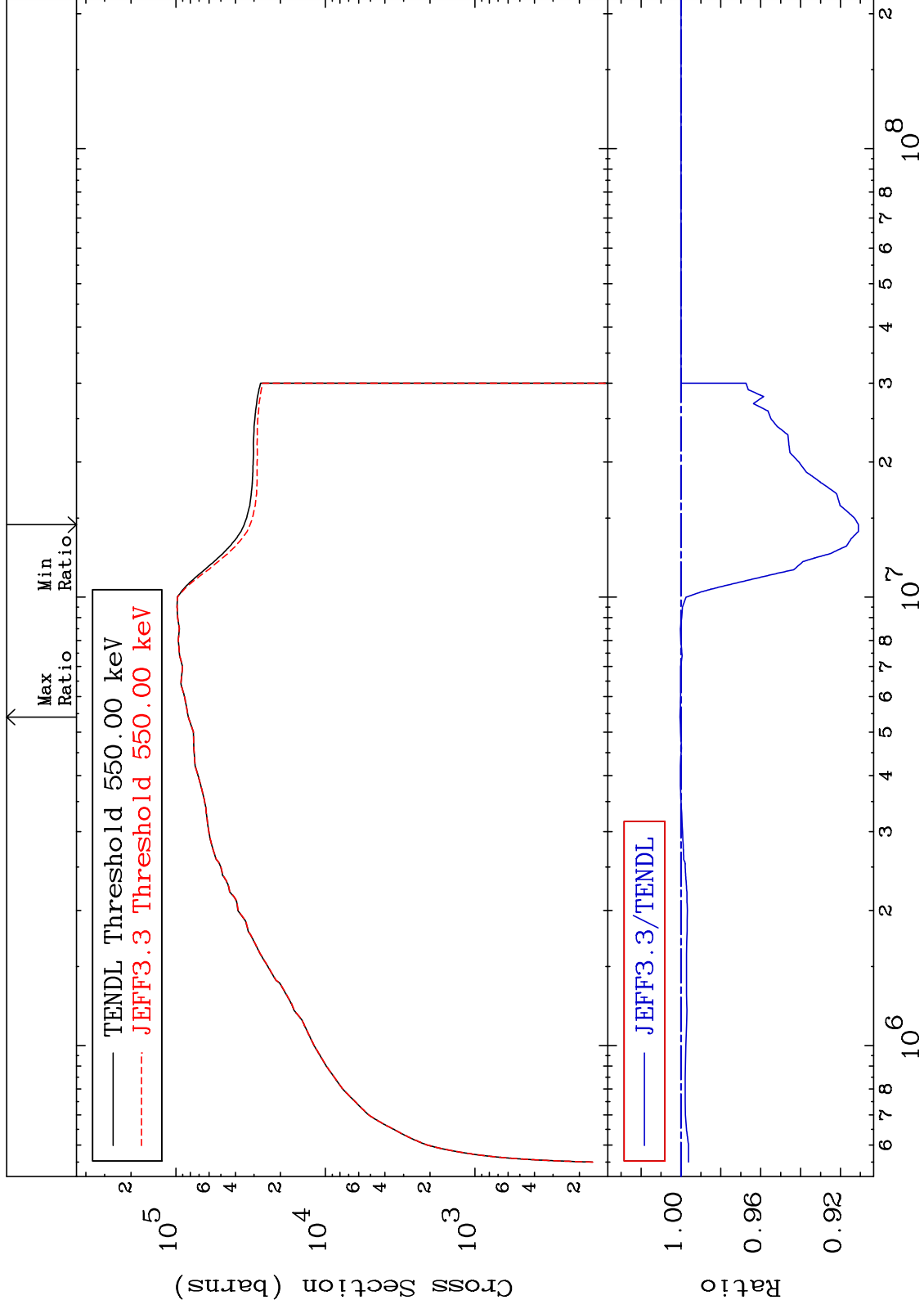
MAT 4437

Dpa inelastic (mt51-91)

44-Ru-100

-8.900 To 0.046 %

Cross Section



78

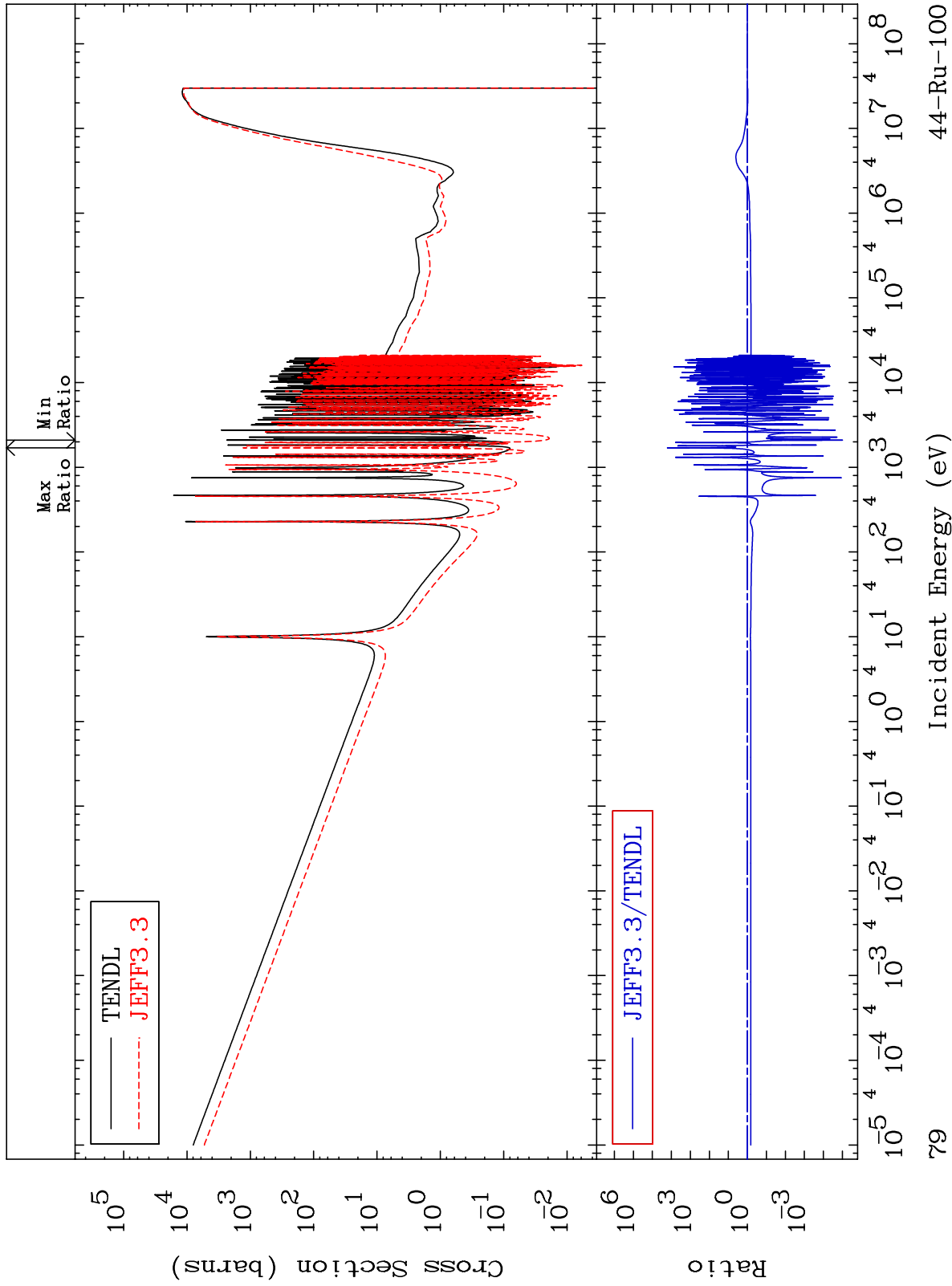
Incident Energy (eV)

44-Ru-100

MAT 4437

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-100
-100.0 To 9999. %

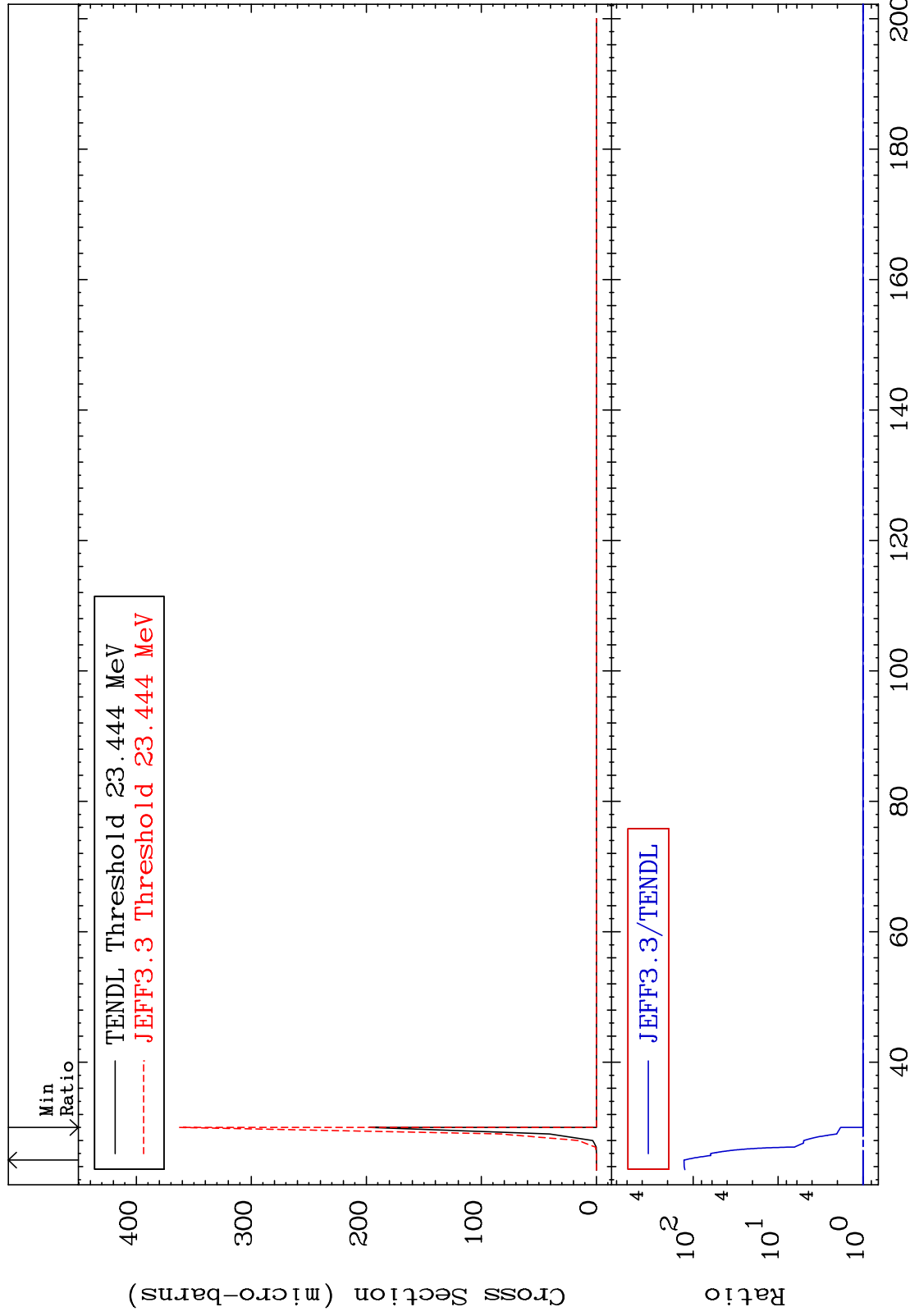


MAT 4437

(n,2n) d: 43-Tc-97g

44-Ru-100

Radionuclide Production Cross Section 0.000 To 9999. %



80

Incident Energy (MeV)

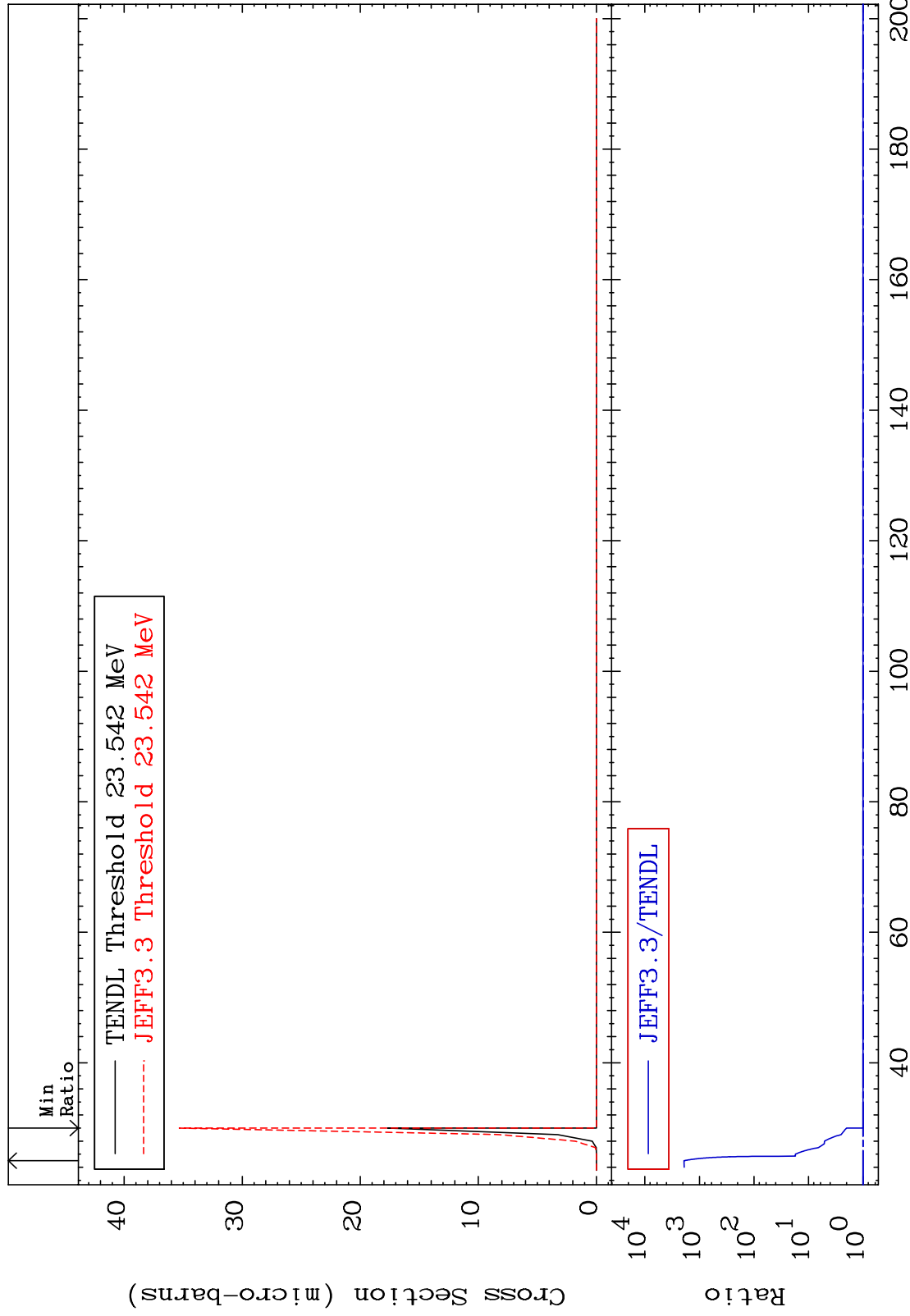
44-Ru-100

MAT 4437

(n,2n) d:43-Tc-97m1

44-Ru-100

Radionuclide Production Cross Section 0.000 To 9999. %

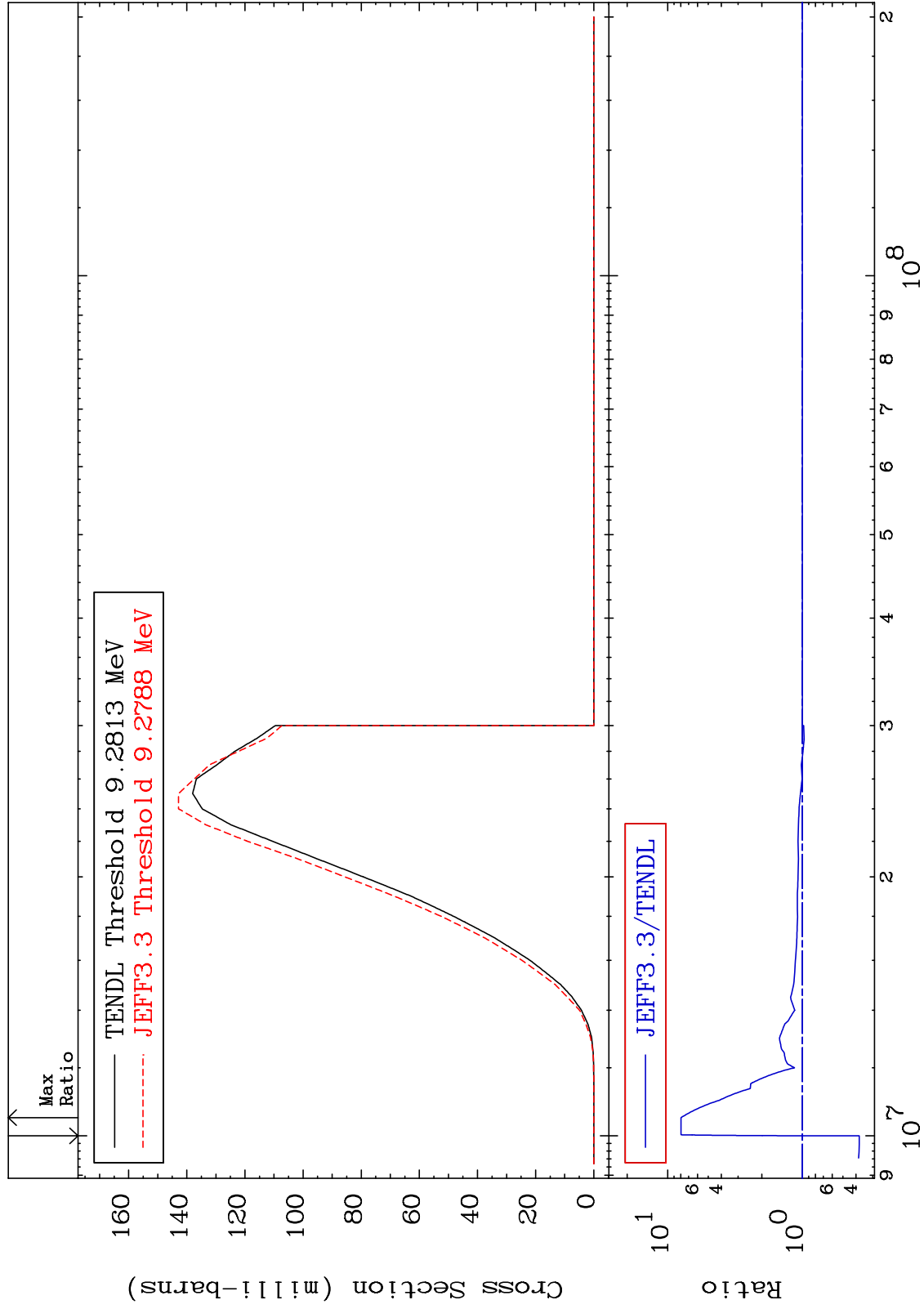


MAT 4437

(n, n') p: 43-Tc-99g

44-Ru-100

Radionuclide Production Cross Section -62.16 To 696.8 %



82

Incident Energy (eV)

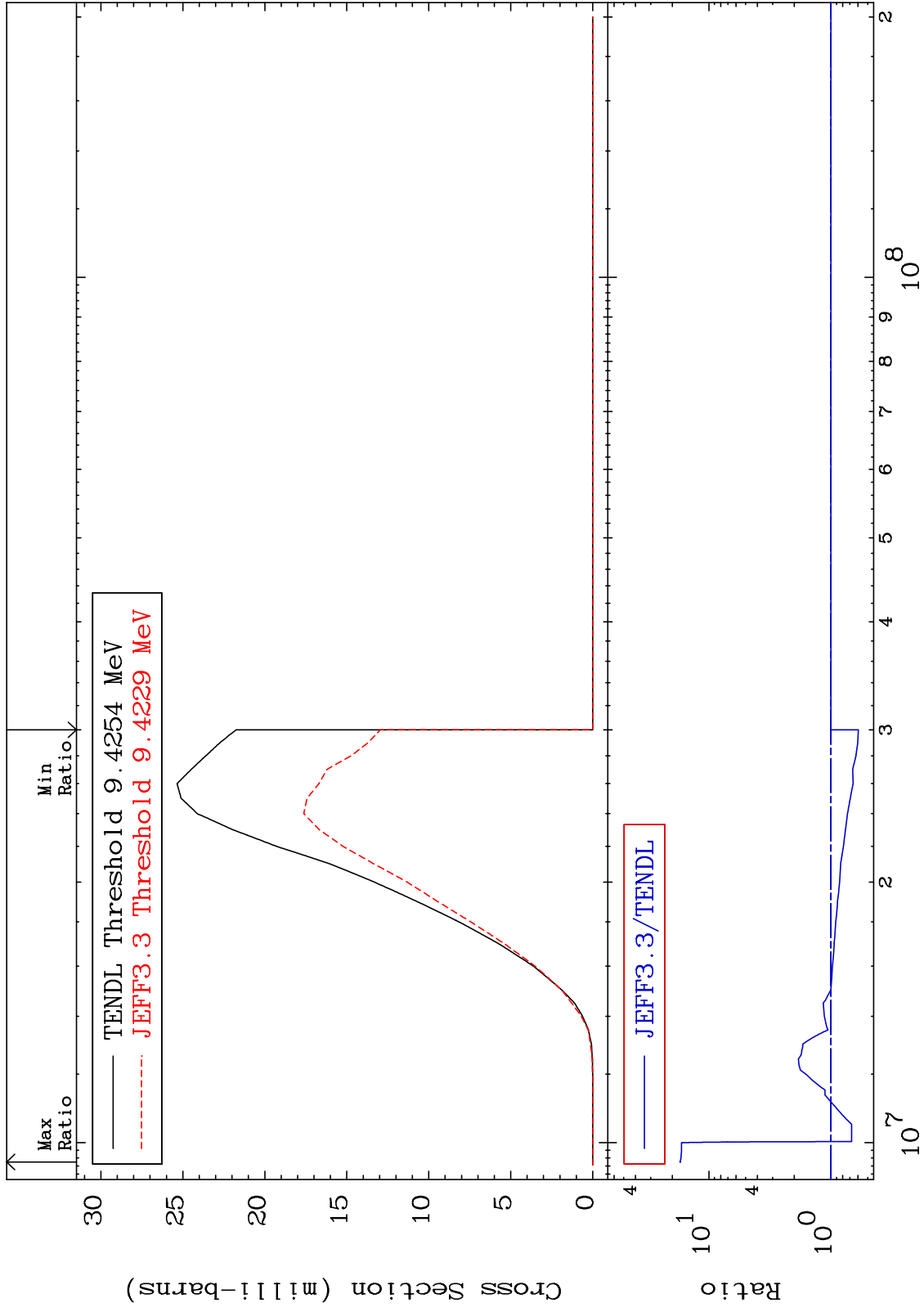
44-Ru-100

MAT 4437

(n, n') p:43-Tc-99m2

44-Ru-100

Radionuclide Production Cross Section -40.48 To 1626. %



83

Incident Energy (eV)

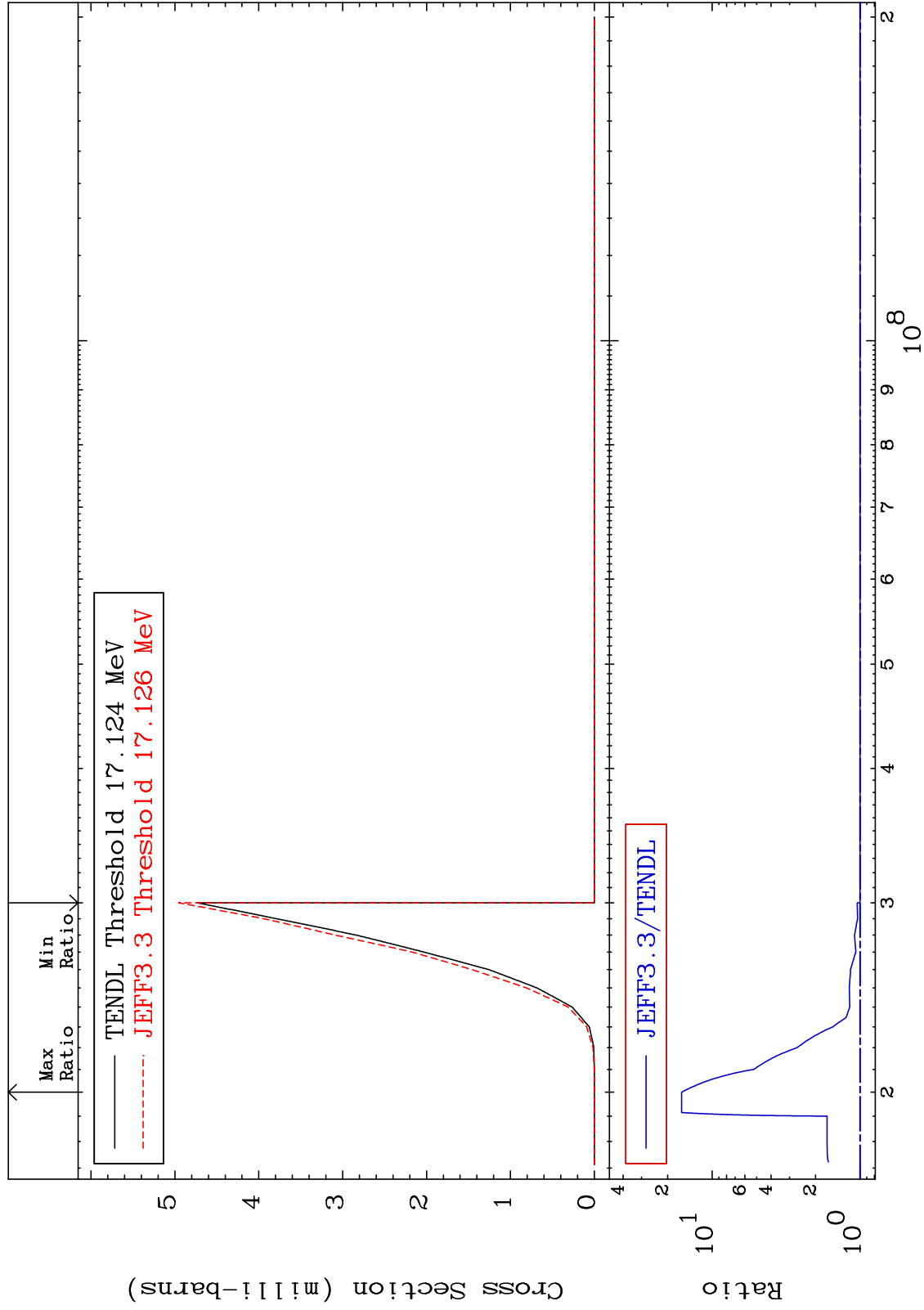
44-Ru-100

MAT 4437

(n, n') t: 43-Tc-97g

44-Ru-100

Radionuclide Production Cross Section 0.000 To 1507. %

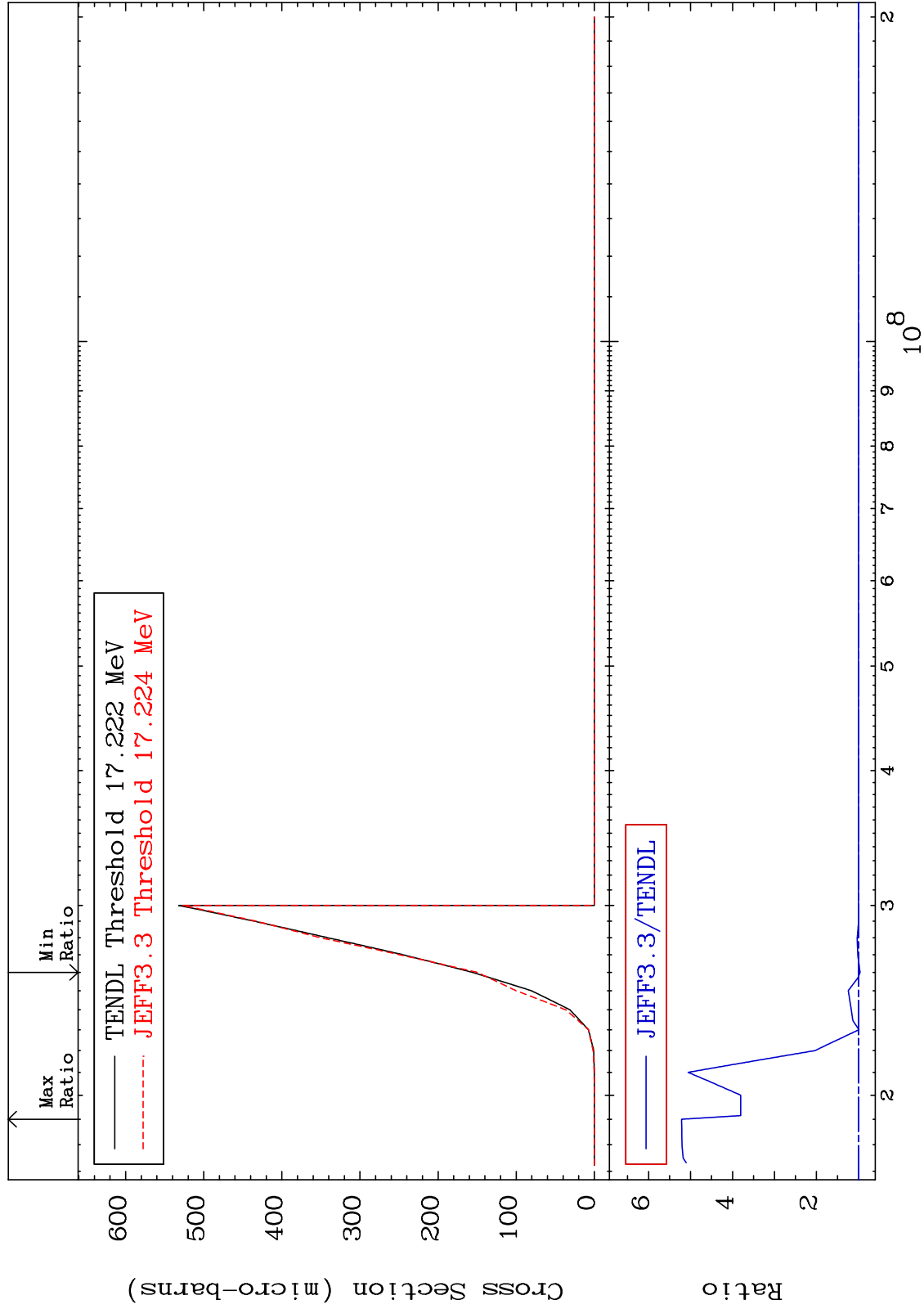


MAT 4437

(n, n') t:43-Tc-97m1

44-Ru-100

Radionuclide Production Cross Section -3.868 To 421.2 %

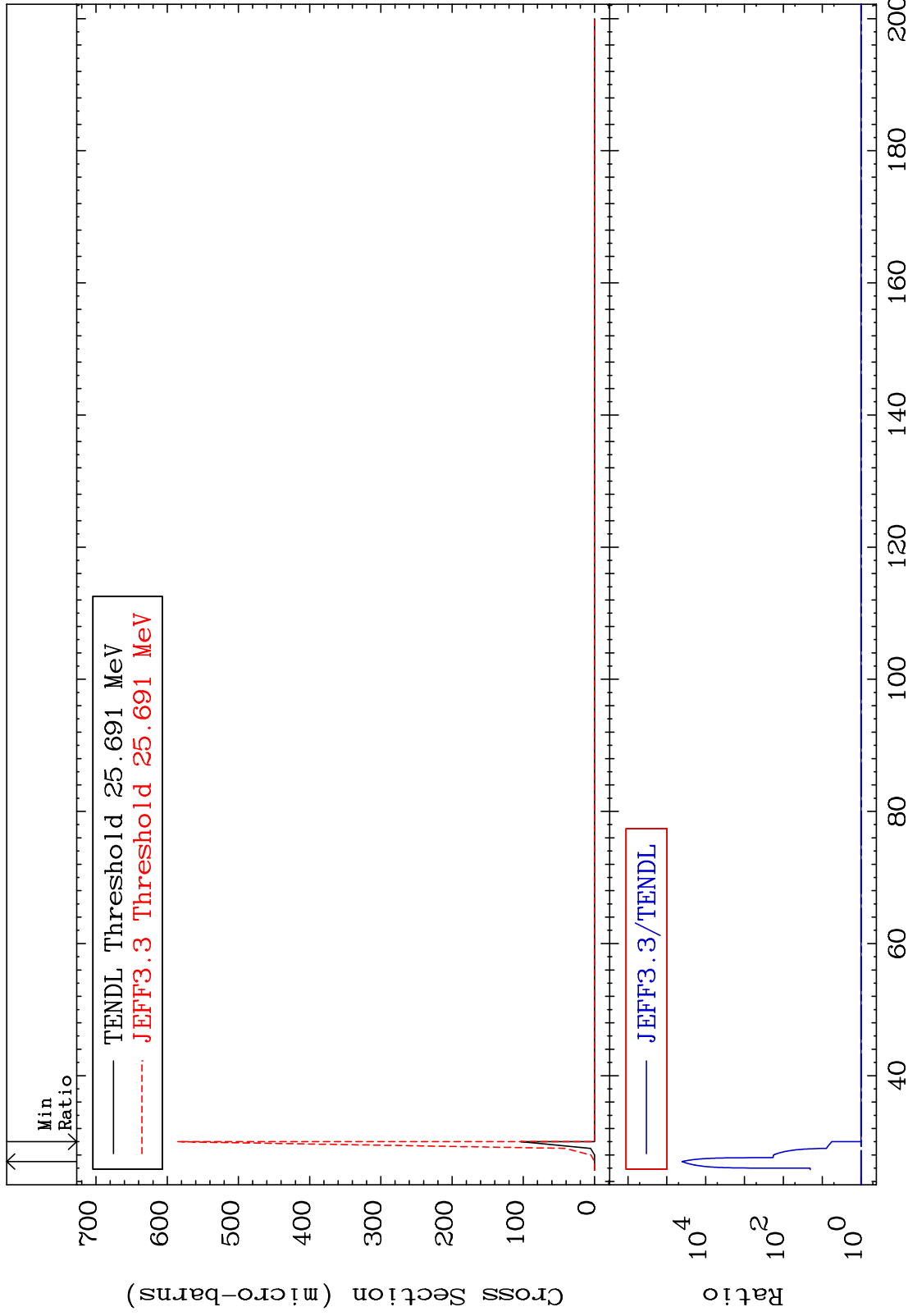


MAT 4437

(n,3n) p: 43-Tc-97g

44-Ru-100

Radionuclide Production Cross Section 0.000 To 9999. %

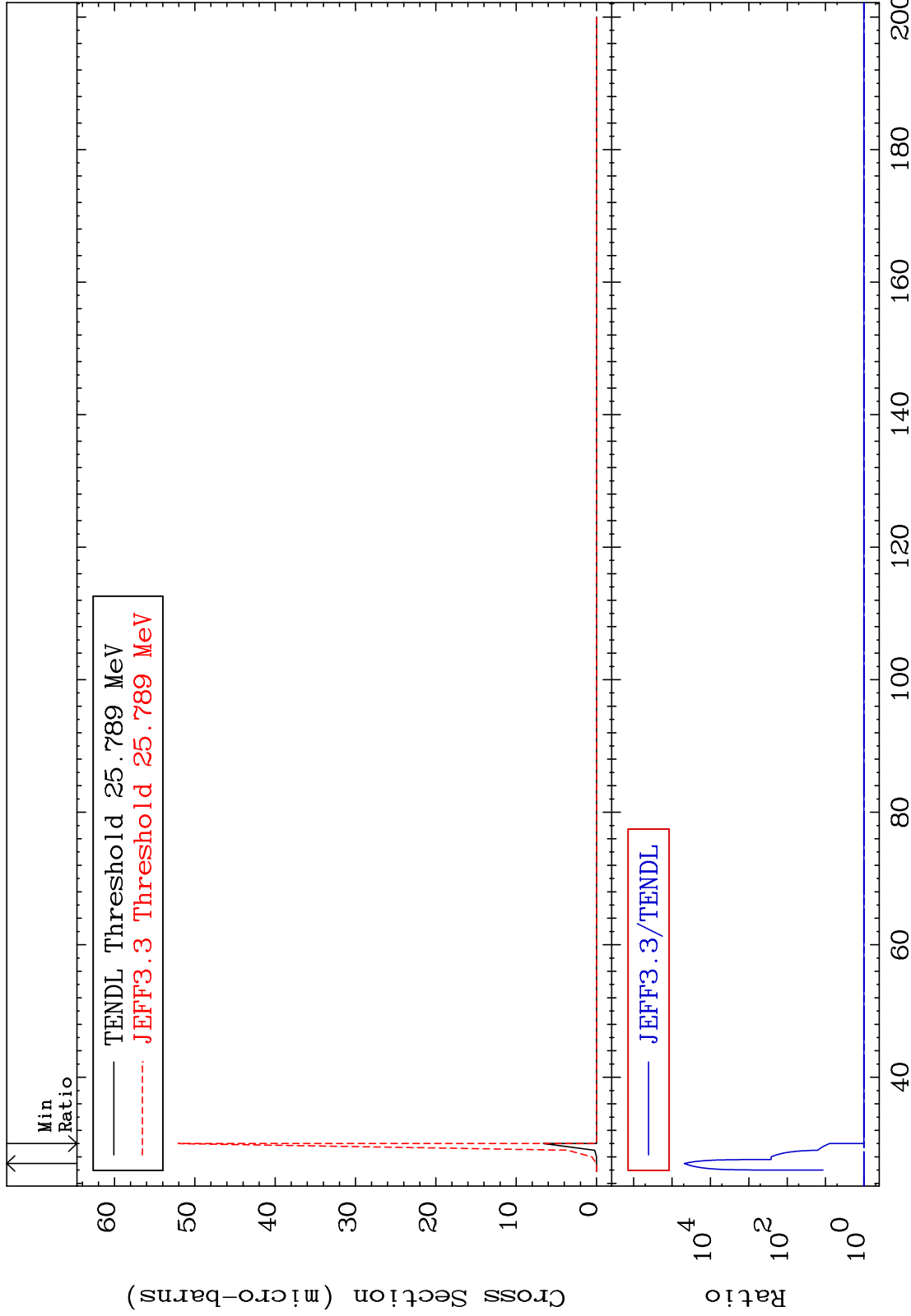


MAT 4437

(n,3n) p:43-Tc-97m1

44-Ru-100

Radionuclide Production Cross Section 0.000 To 9999. %

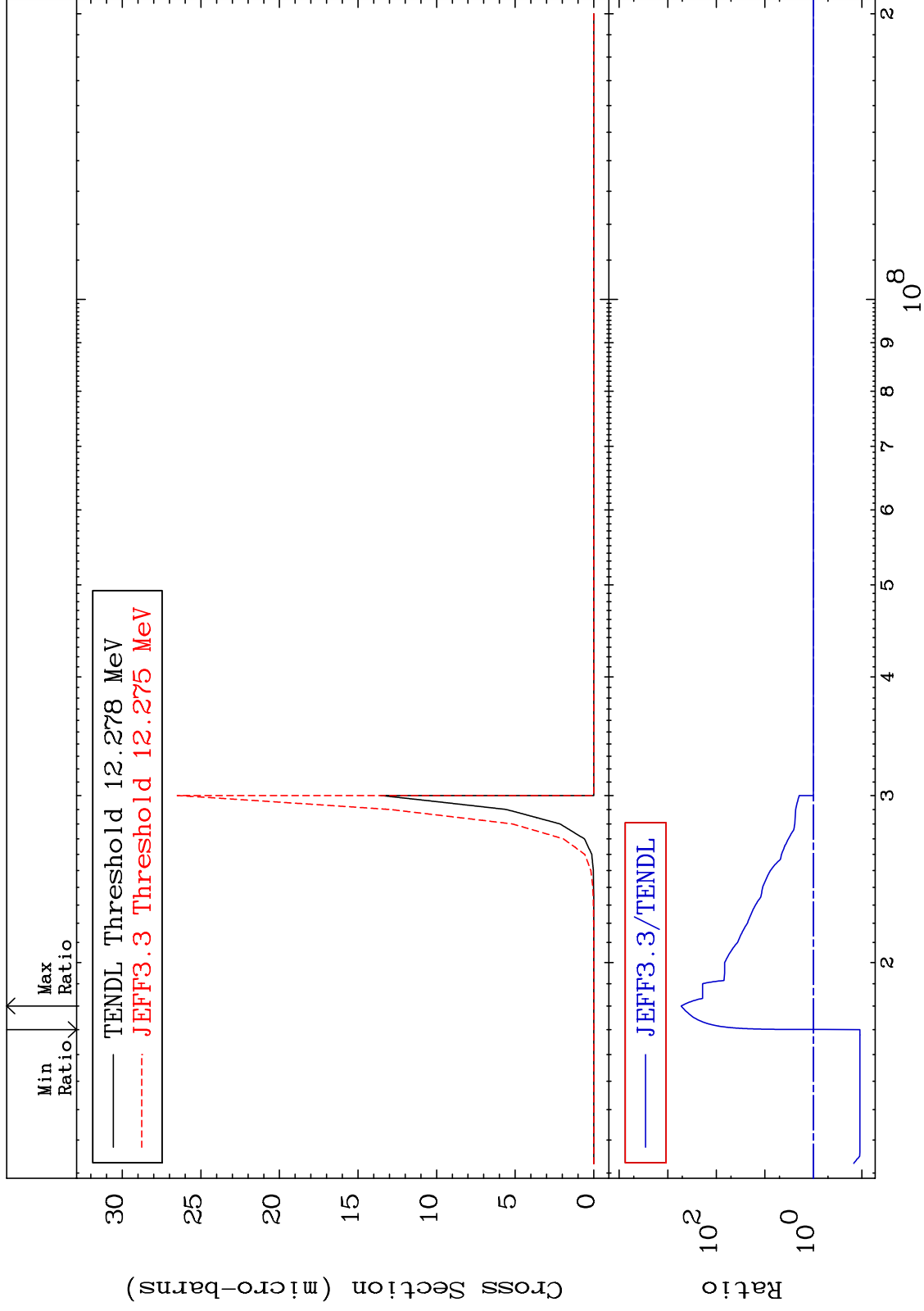


MAT 4437

(n, n') p α : 41-Nb-95g

44-Ru-100

Radionuclide Production Cross Section -89.02 To 9999. %

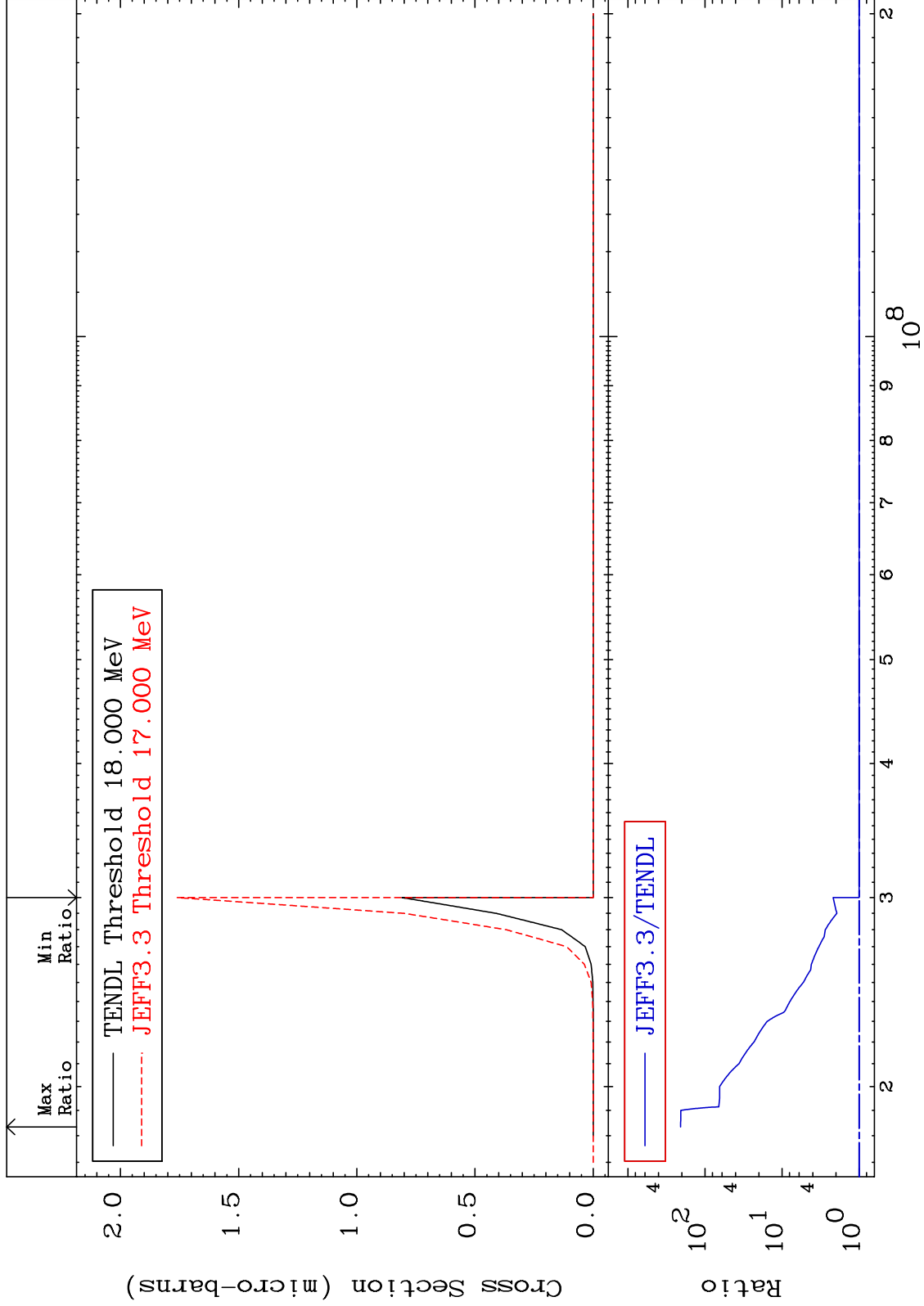


MAT 4437

(n, n') p α : 41-Nb-95m1

44-Ru-100

Radionuclide Production Cross Section 0.000 To 9999. %



44-Ru-100

Incident Energy (eV)

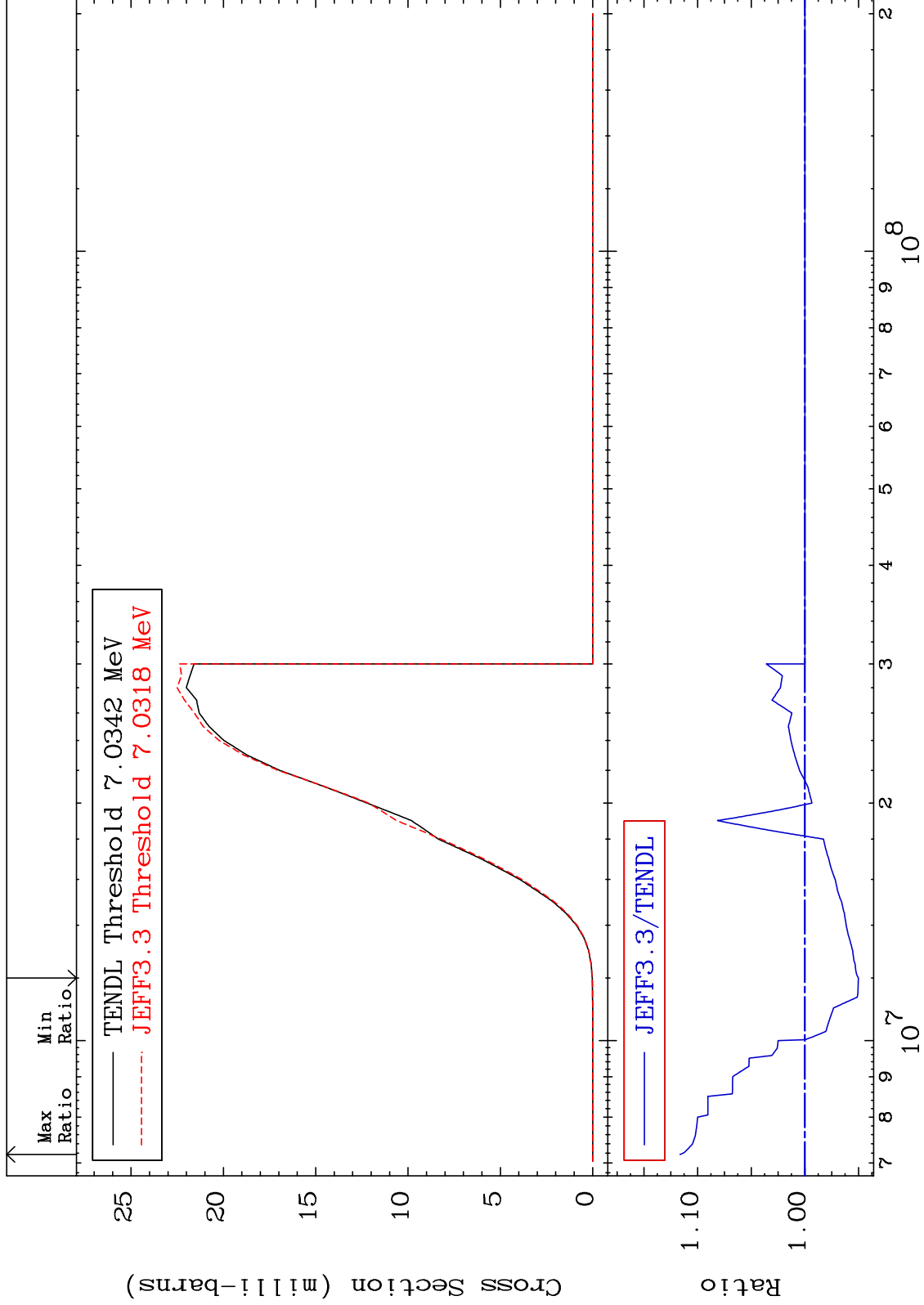
MAT 4437

(n, d) : 43-Tc-99g

44-Ru-100

Radionuclide Production Cross Section

-4.987 To 11.63 %



90

Incident Energy (eV)

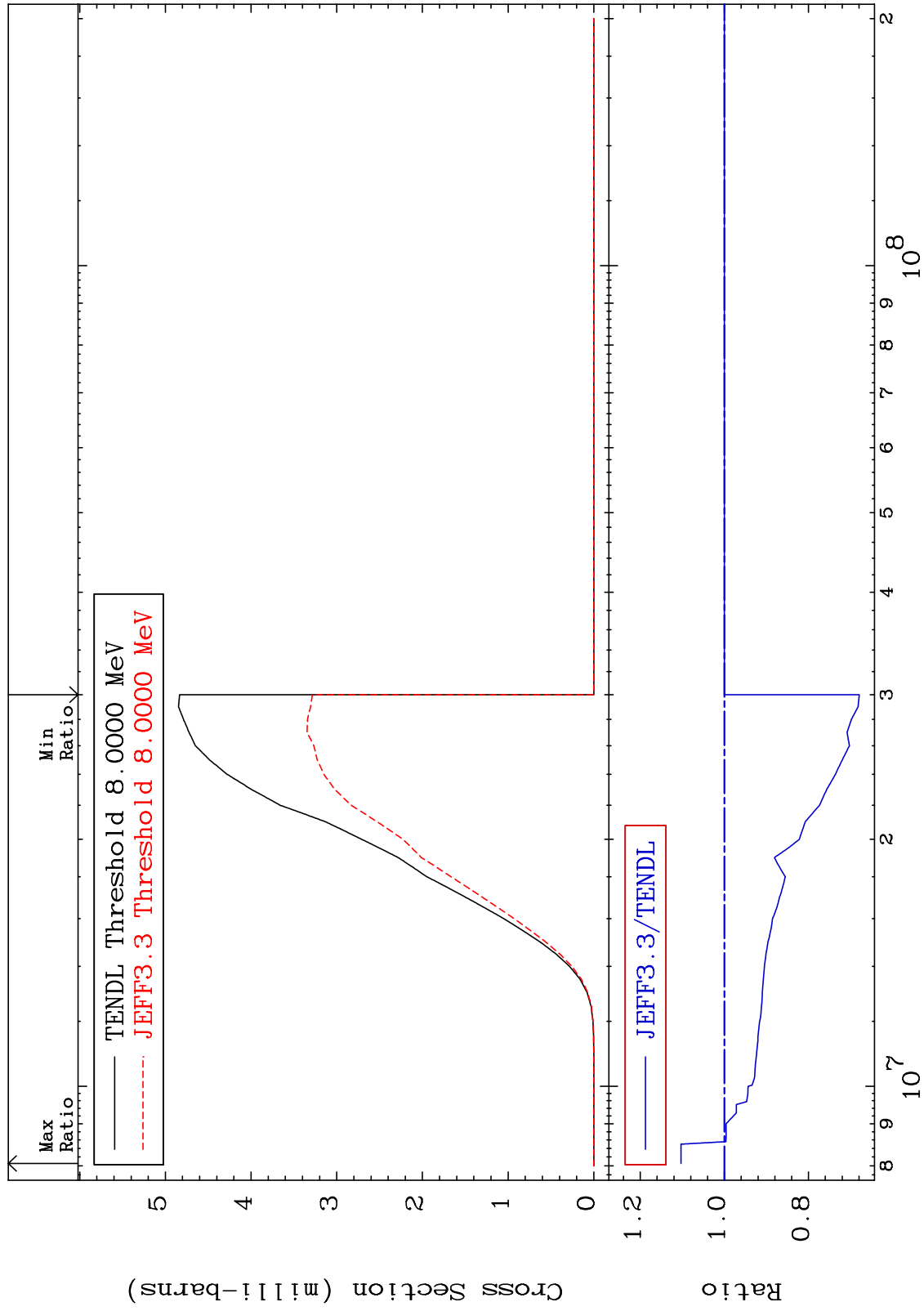
44-Ru-100

MAT 4437

(n,d):43-Tc-99m2

44-Ru-100

Radionuclide Production Cross Section -32.07 To 10.31 %



91

Incident Energy (eV)

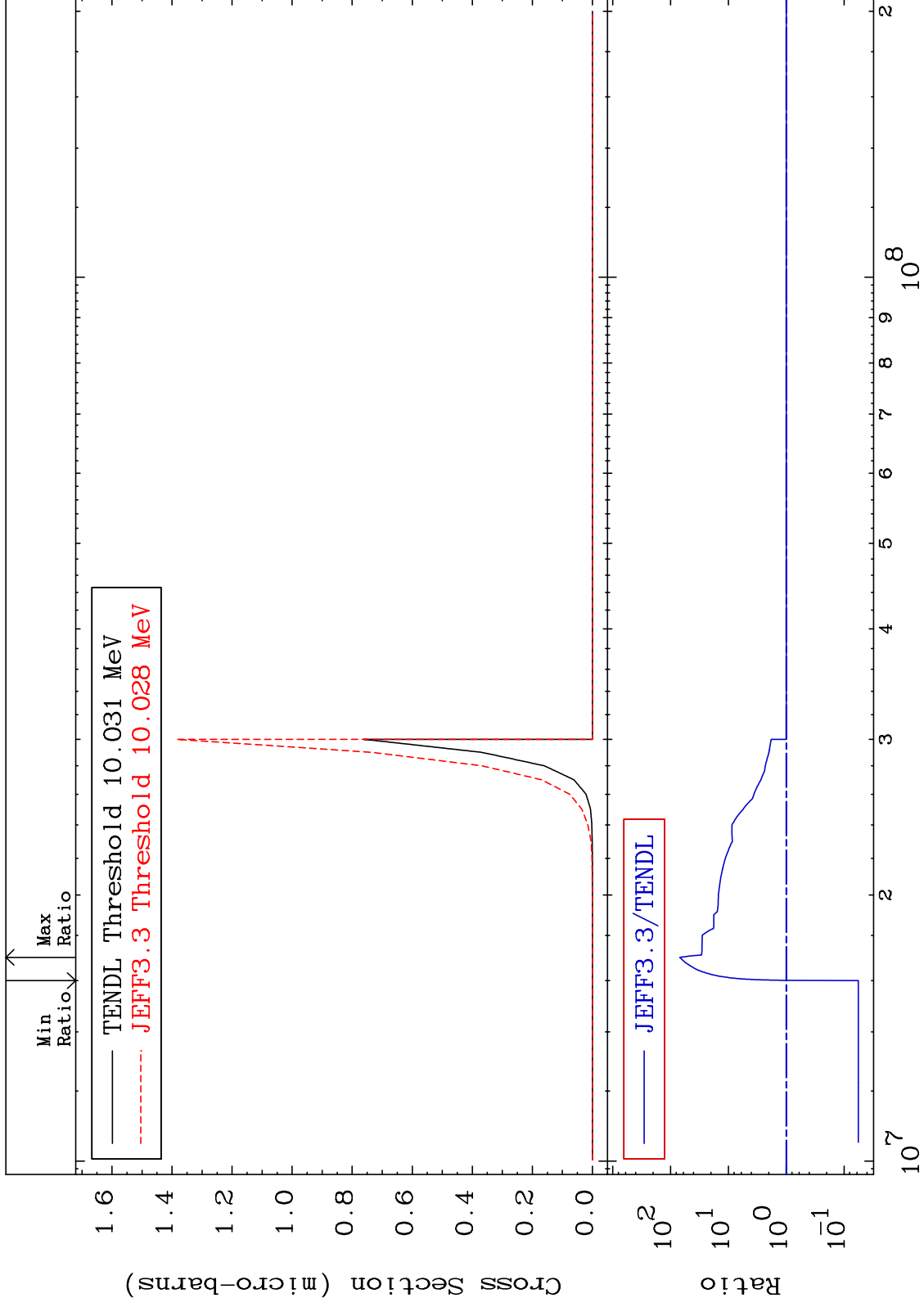
44-Ru-100

MAT 4437

(n,d) α :41-Nb-95g

44-Ru-100

Radionuclide Production Cross Section -94.34 To 6821. %



Incident Energy (eV)

44-Ru-100

92

MAT 4437

(n, d) α : 41-Nb-95m1

44-Ru-100

Radionuclide Production Cross Section -44.99 To 5991. %

