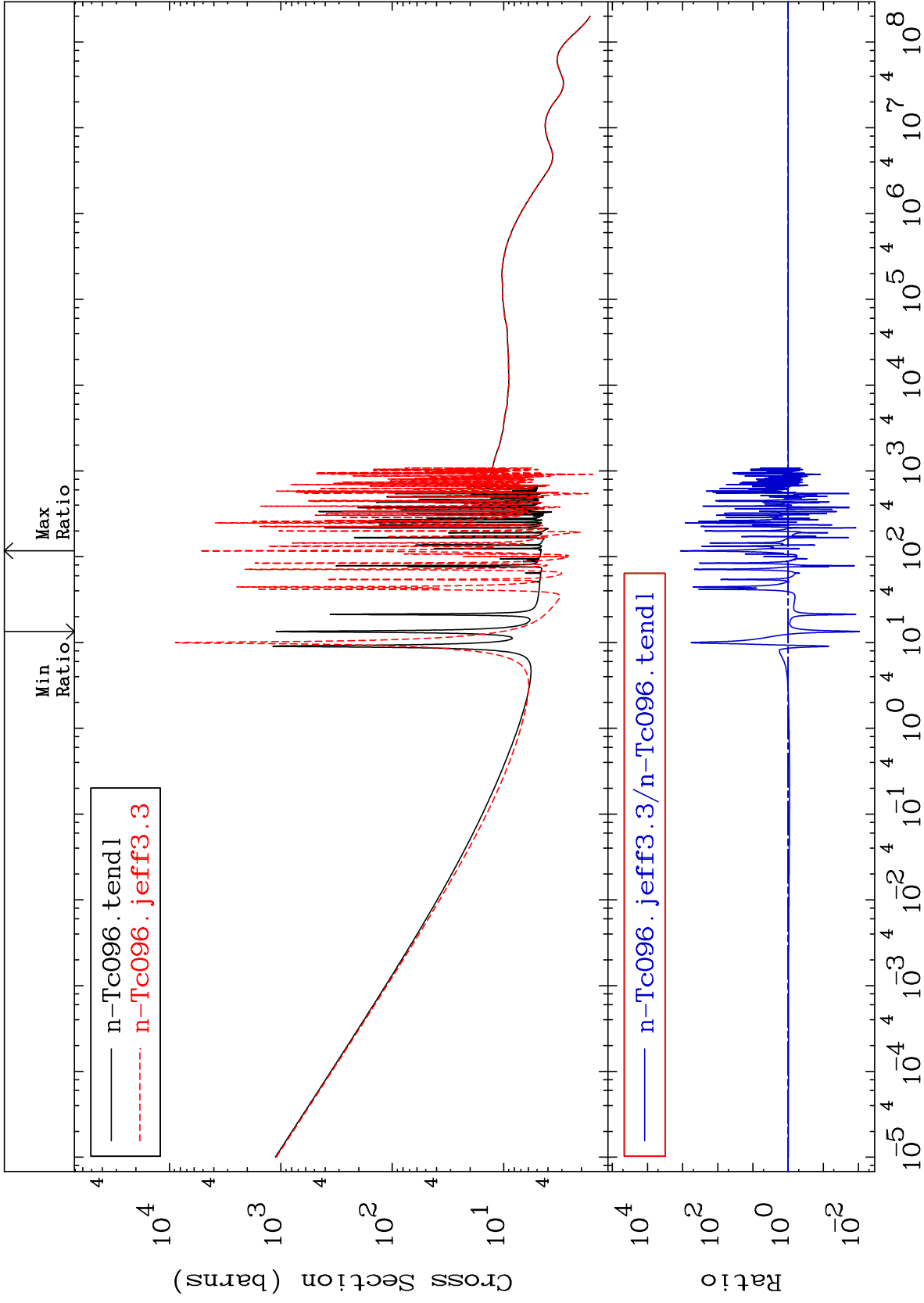


MAT 4316

43-Tc-96

-99.06 To 9999. %

Total
Cross Section

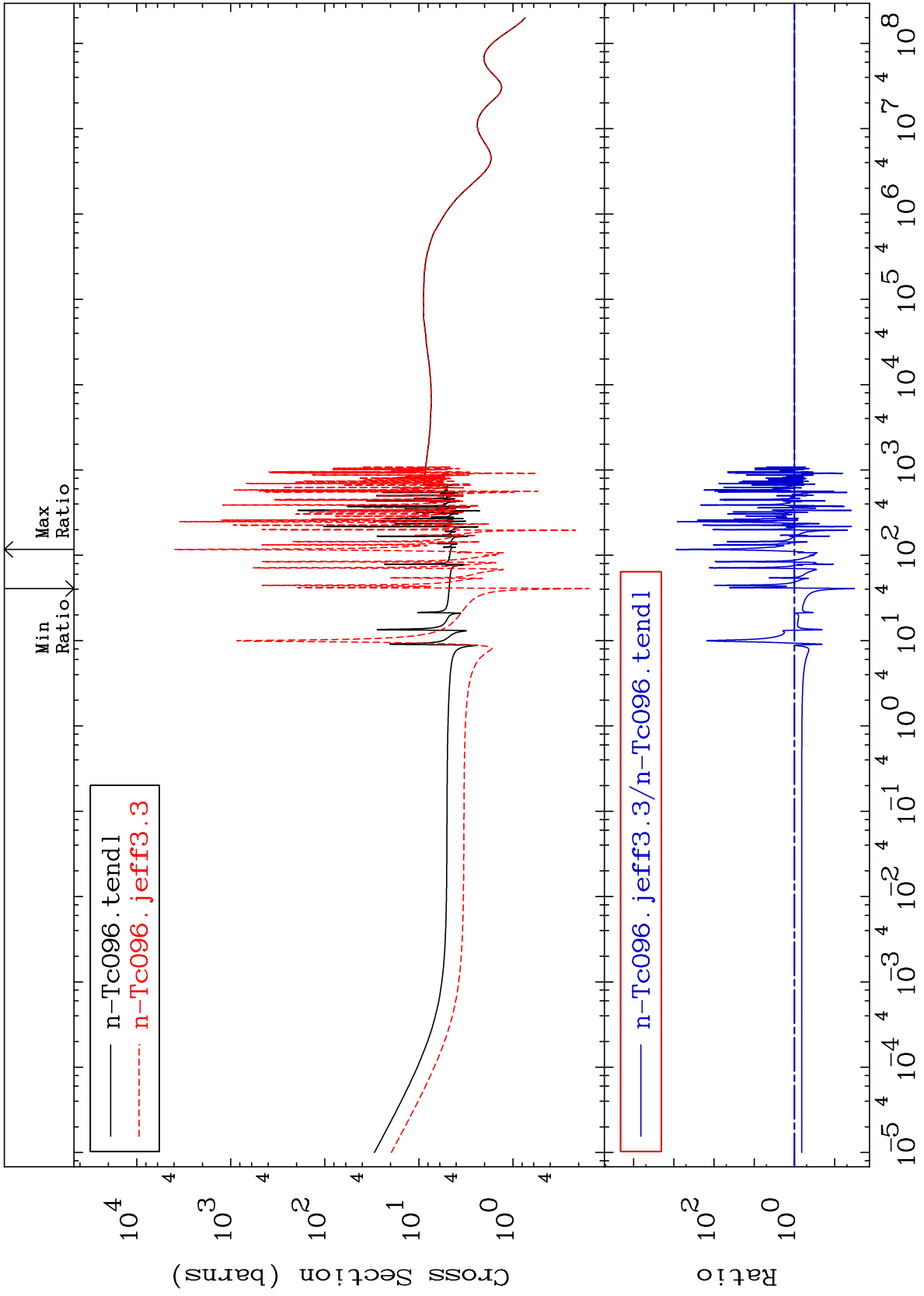


Incident Energy (eV)

43-Tc-96

MAT 4316

Elastic Cross Section
43-Tc-96
-96.76 To 9999. %



43-Tc-96

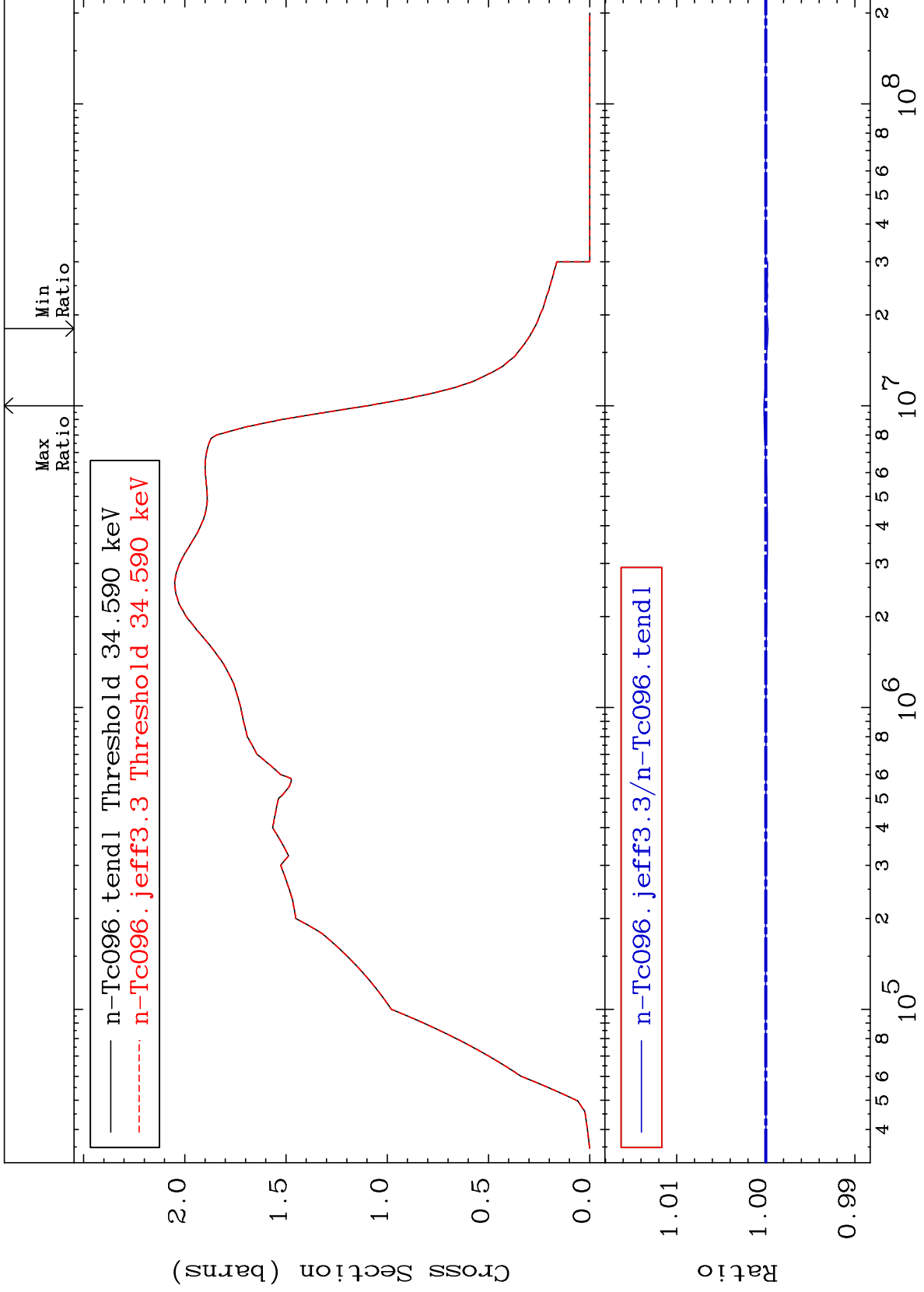
Incident Energy (eV)

2

MAT 4316

Inelastic
Cross Section

43-Tc-96
-0.026 To 0.021 %



MAT 4316

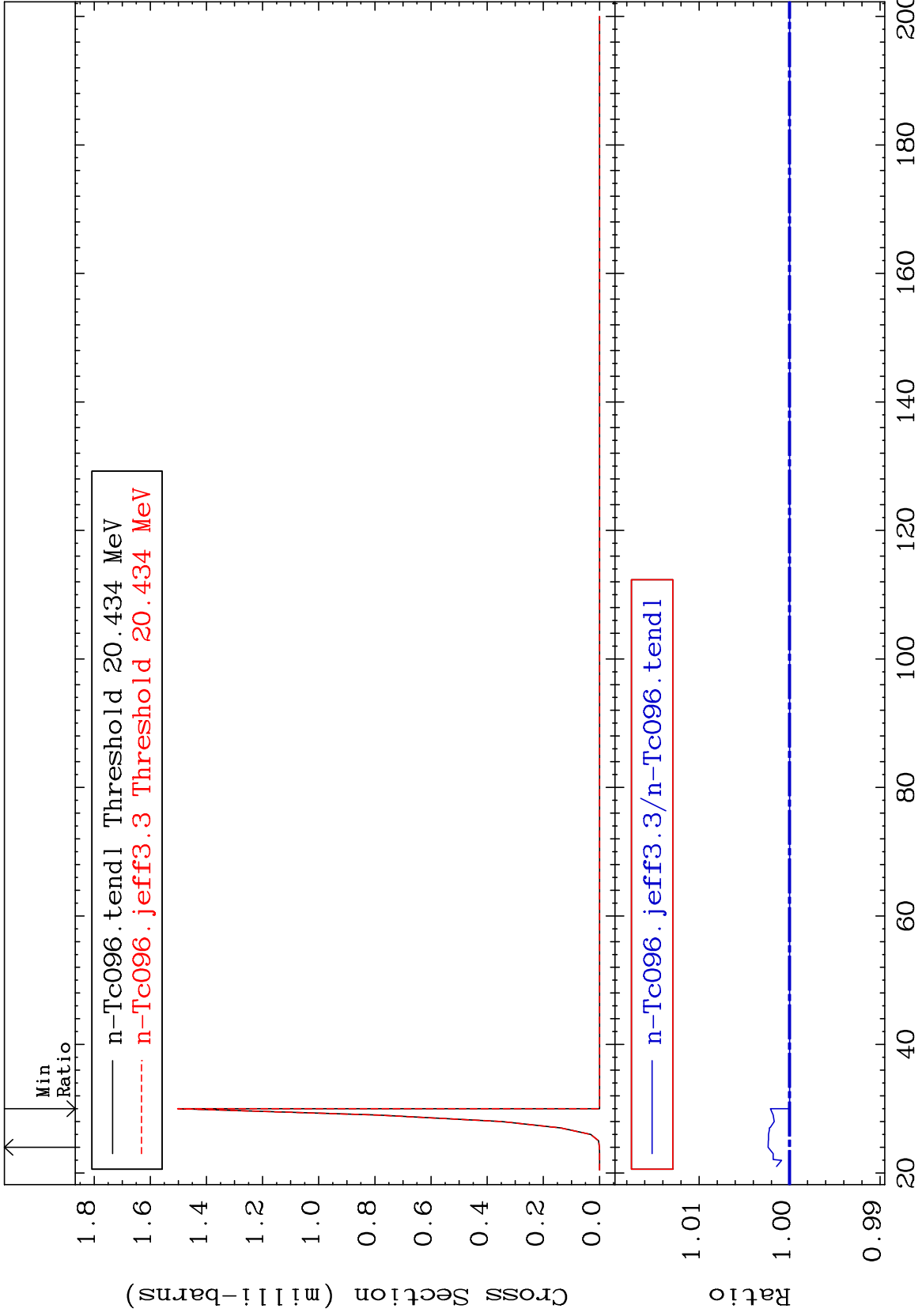
(n,2n) d

43-Tc-96

Cross Section

0.000

To 0.238 %



43-Tc-96

4

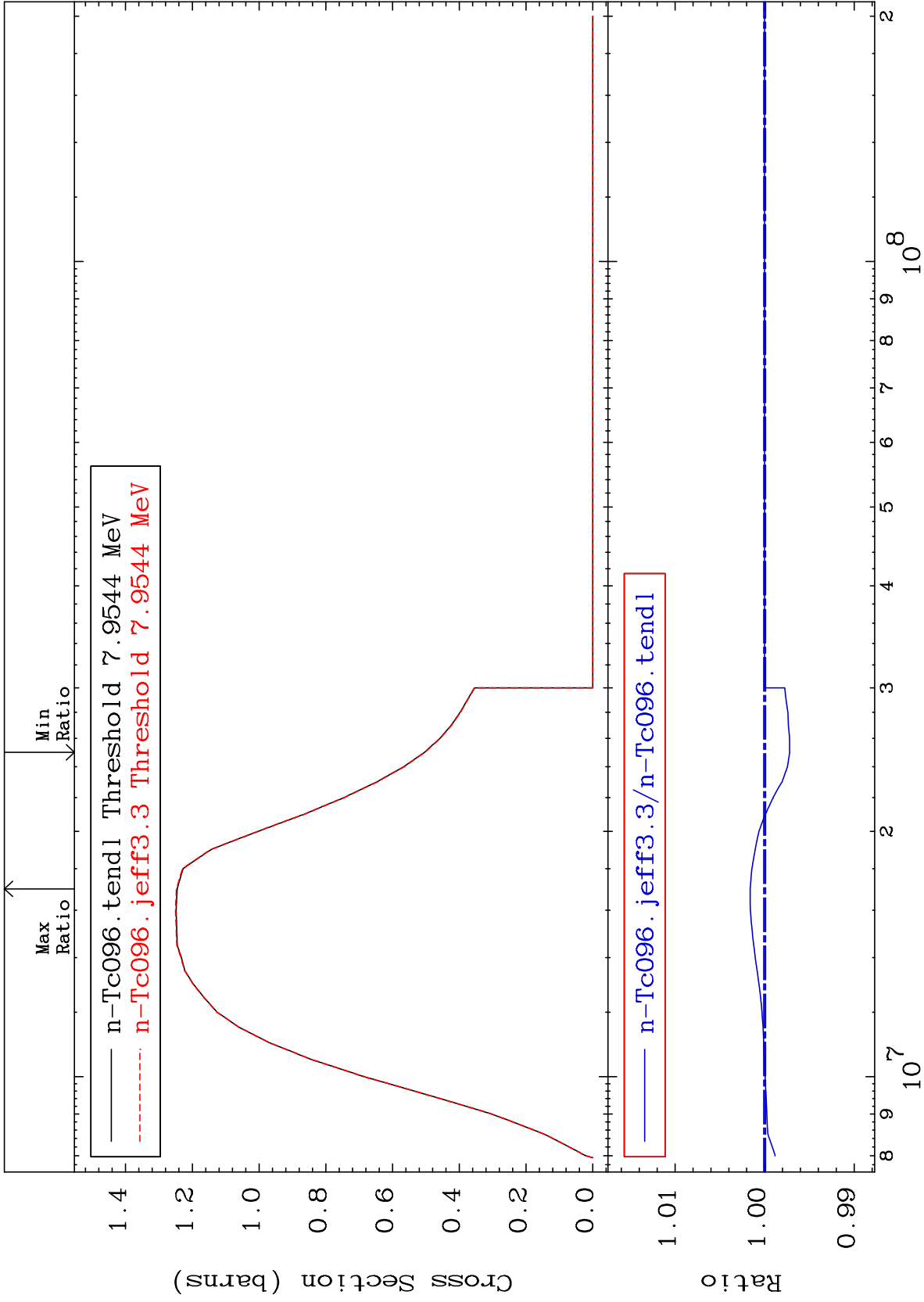
MAT 4316

(n,2n)

⁴³Tc-96

Cross Section

-0.280 To 0.162 %



5

Incident Energy (eV)

⁴³Tc-96

MAT 4316

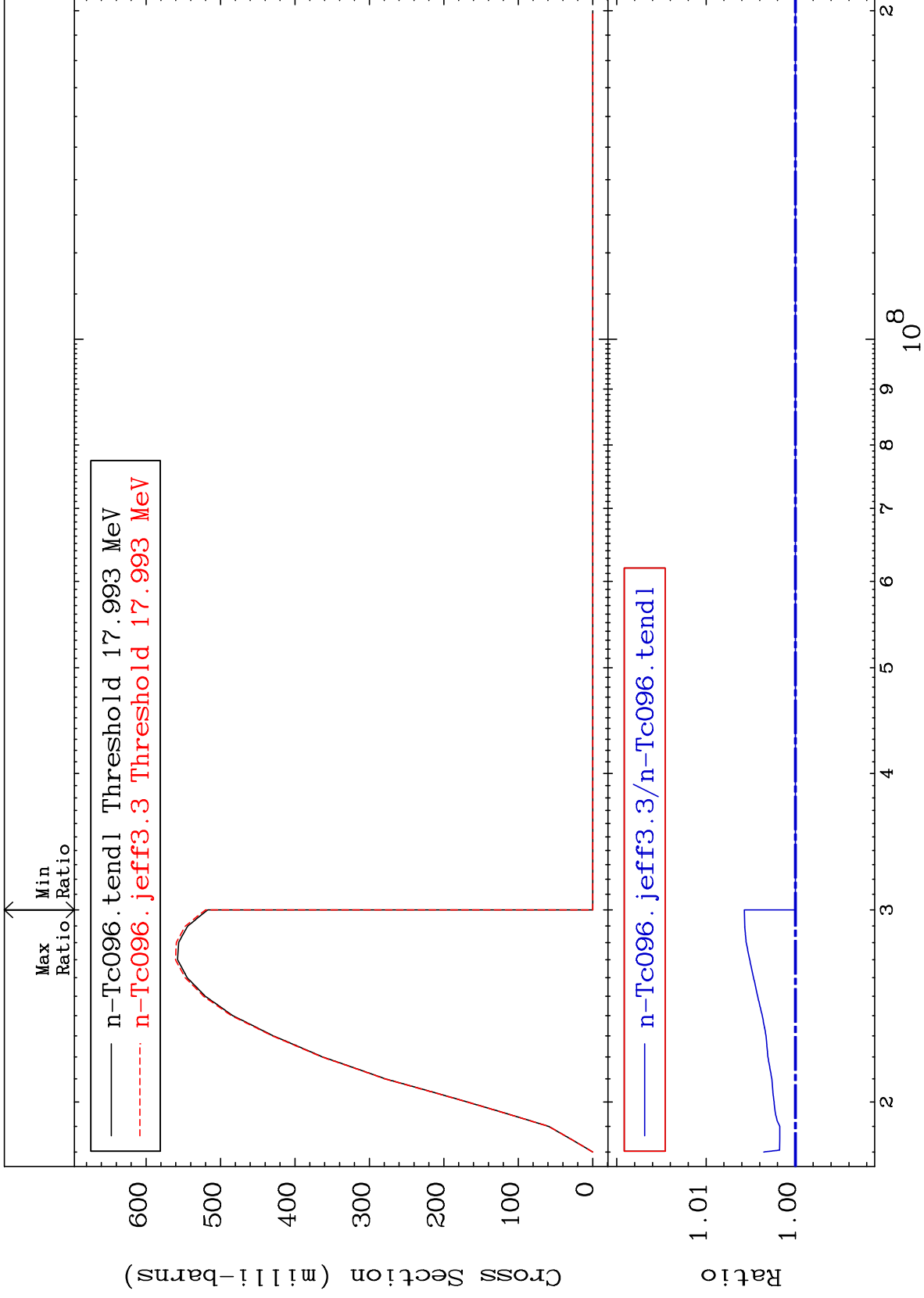
(n,3n)

⁴³Tc-96

Cross Section

0.000

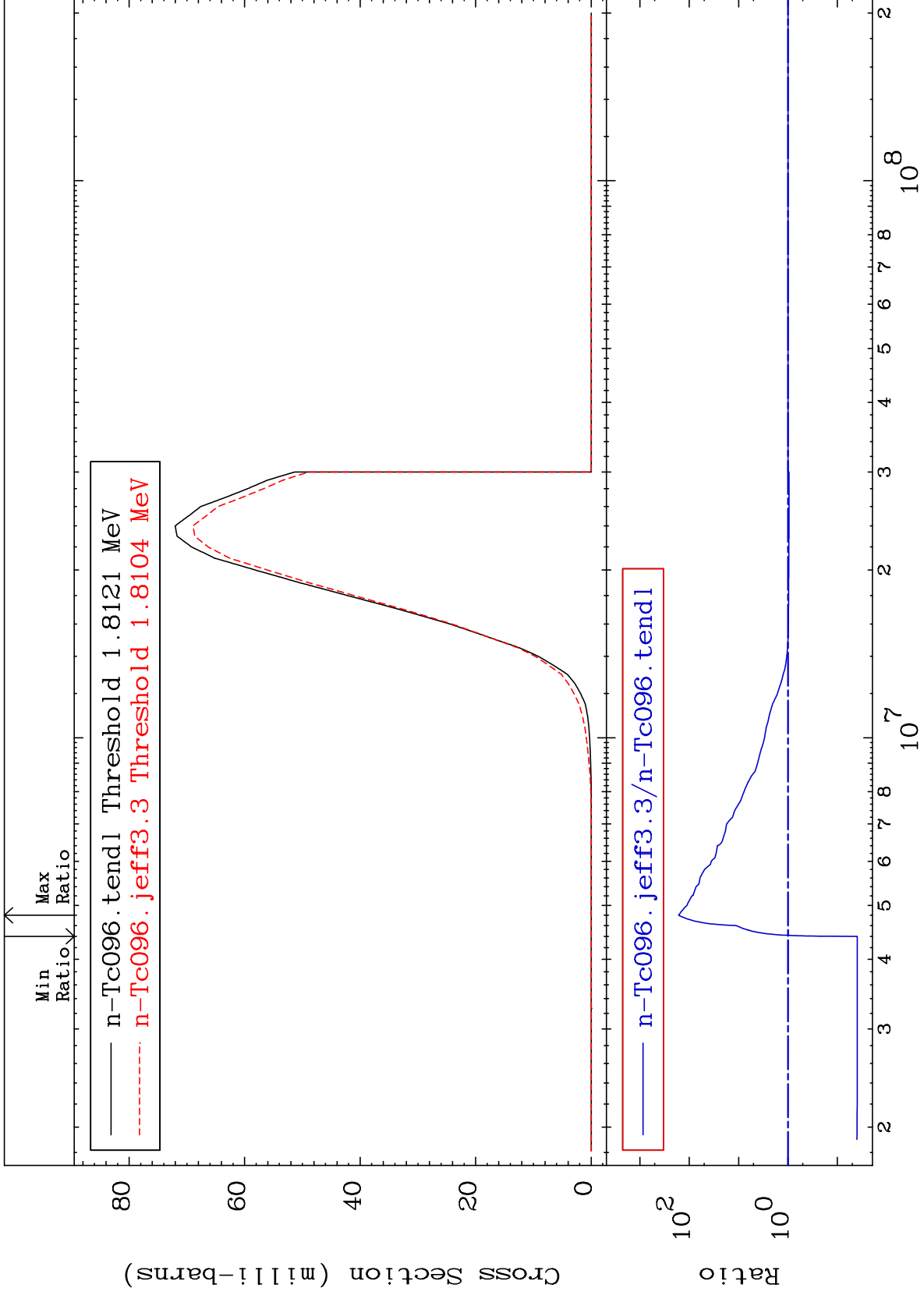
To 0.571 %



MAT 4316

(n, n') α
Cross Section

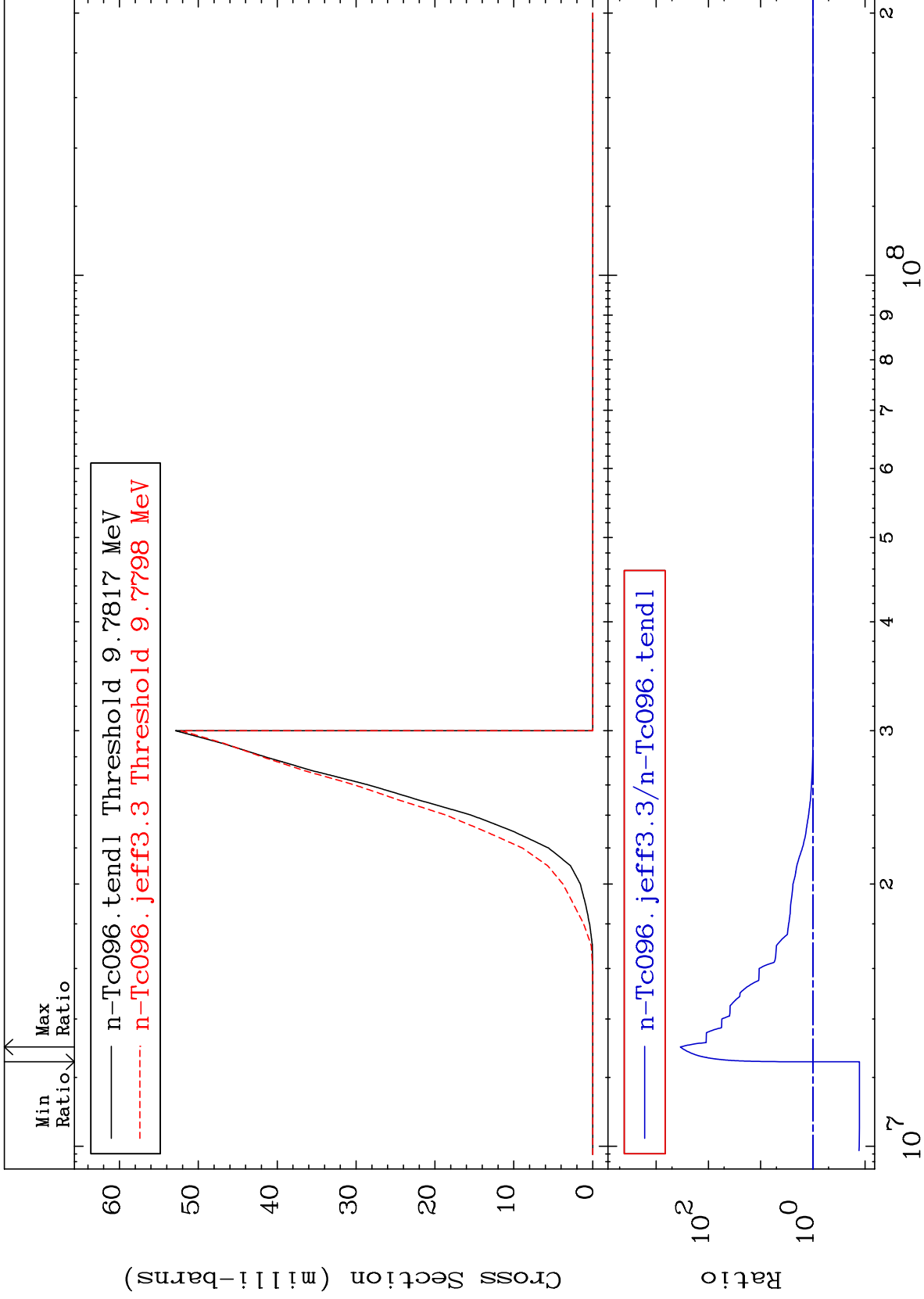
43-Tc-96
-96.05 To 9999. %



MAT 4316

(n,2n) α
Cross Section

43-Tc-96
-87.15 To 9999. %

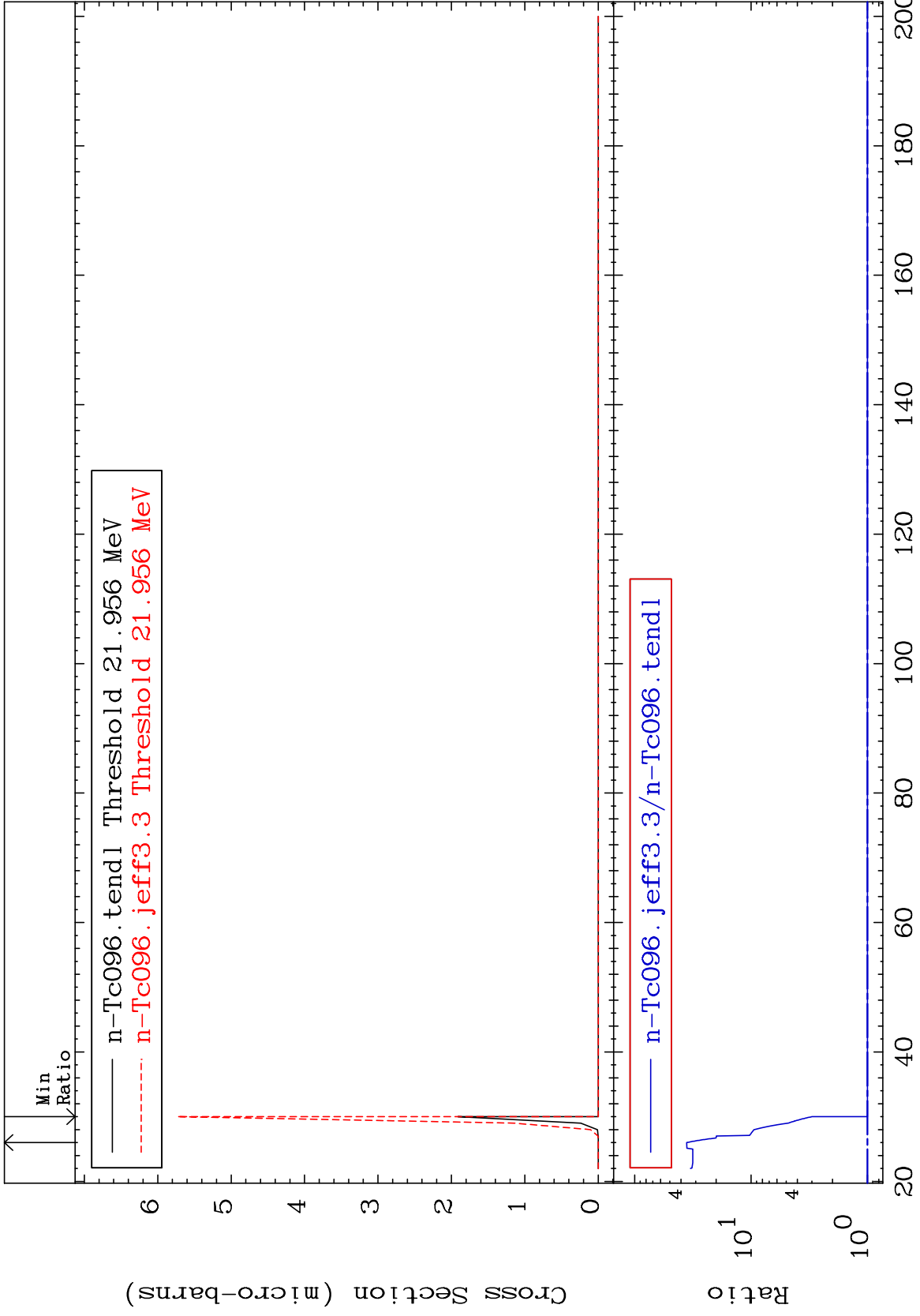


43-Tc-96

MAT 4316

(n,3n) α
Cross Section

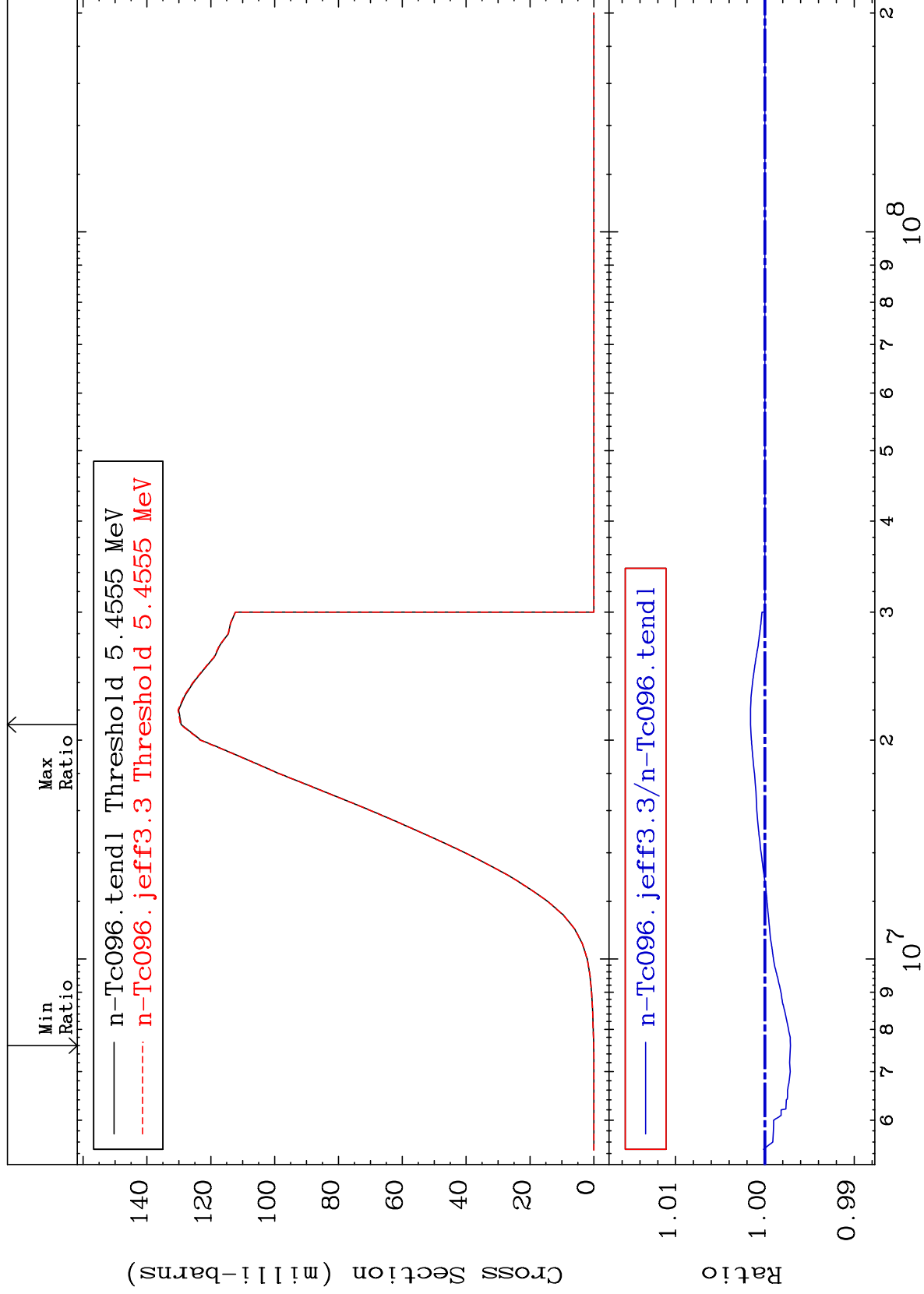
43-Tc-96
To 3478. %
0.000



MAT 4316

(n,n') p
Cross Section

43-Tc-96
-0.285 To 0.162 %



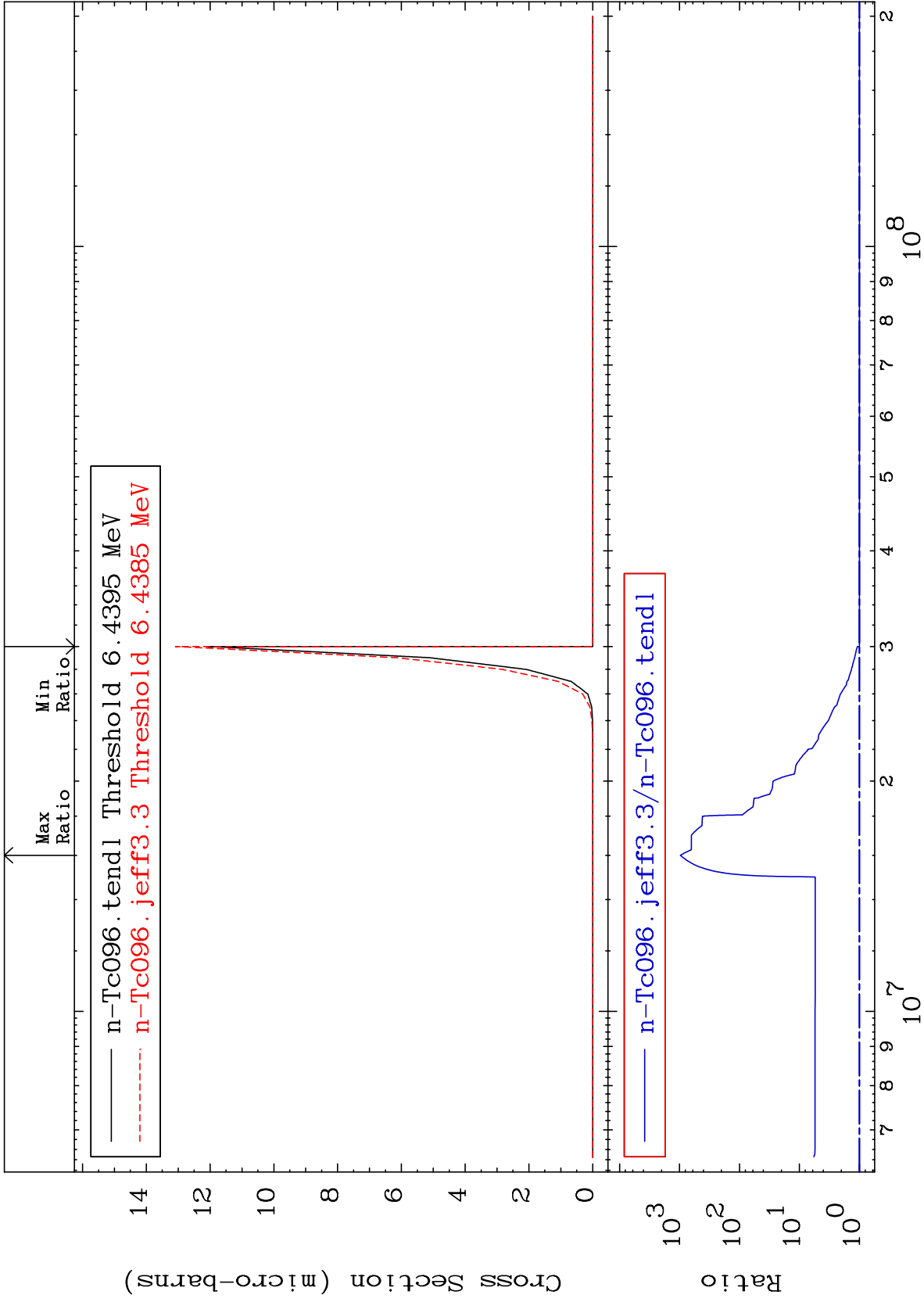
10

Incident Energy (eV)

43-Tc-96

MAT 4316

(n, n') 2α
Cross Section
0.000 To 9999. %
43-Tc-96



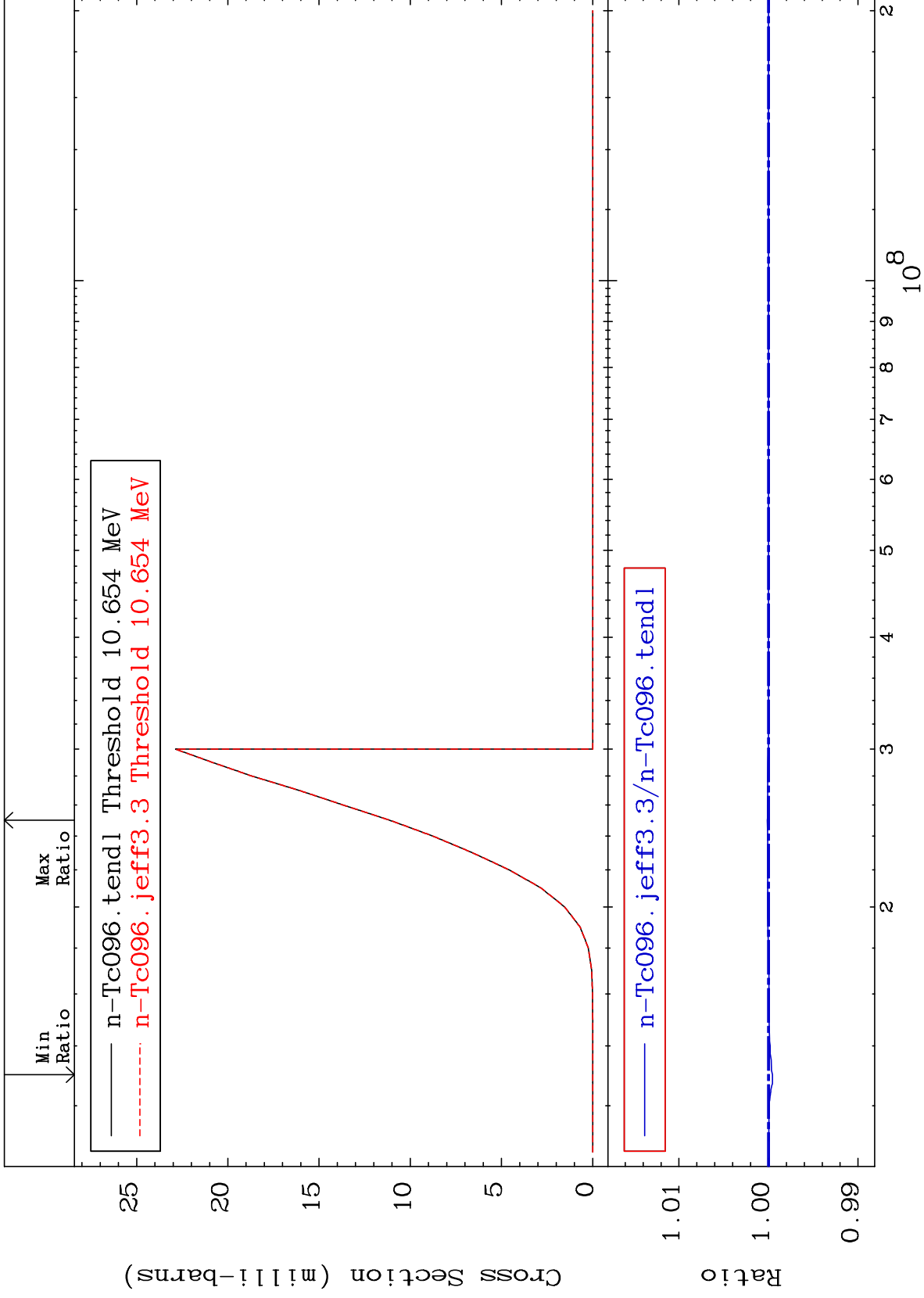
MAT 4316

(n,n') d

43-Tc-96

Cross Section

-0.044 To 0.013 %



12

Incident Energy (eV)

43-Tc-96

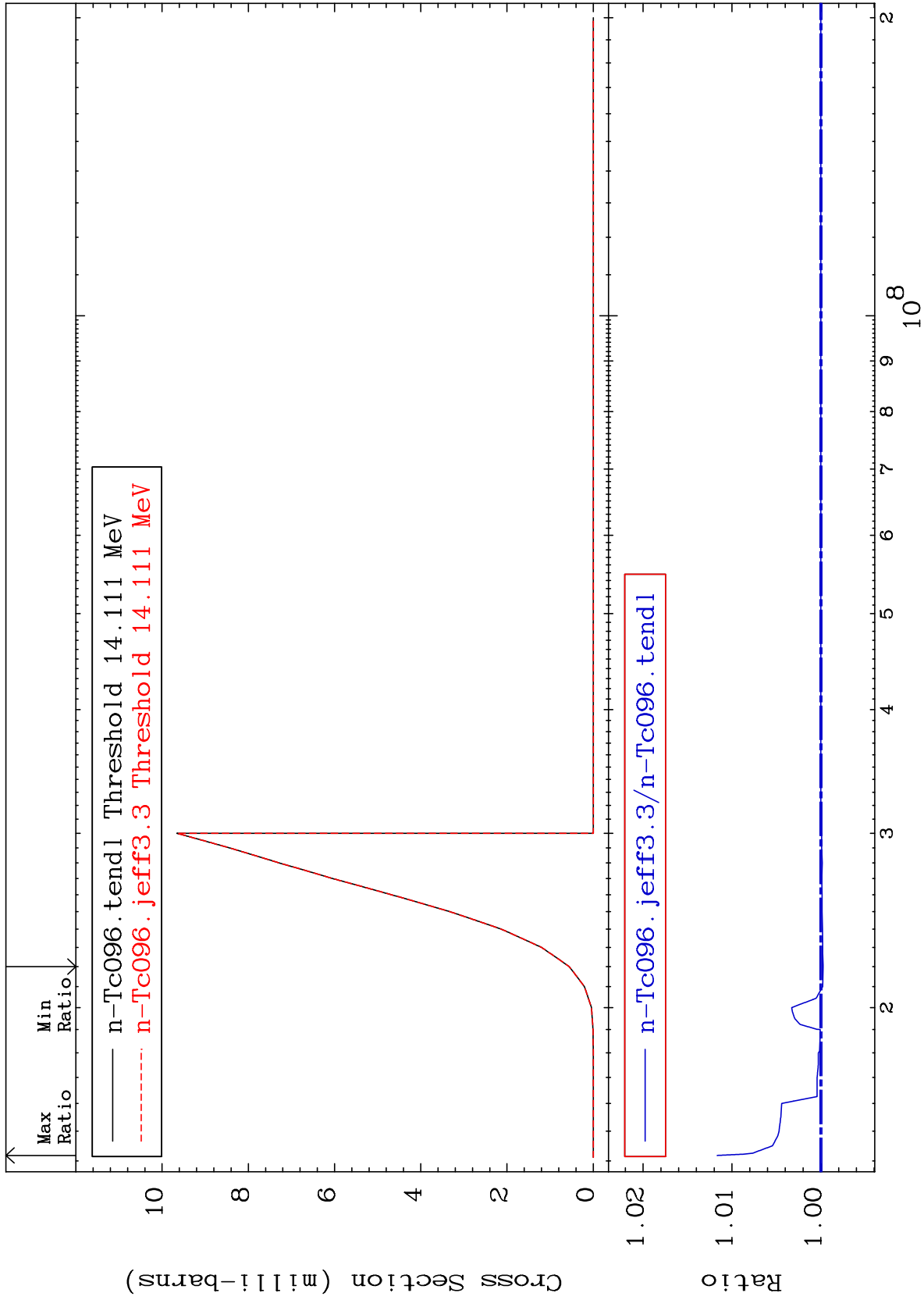
MAT 4316

(n,n') t

43-Tc-96

Cross Section

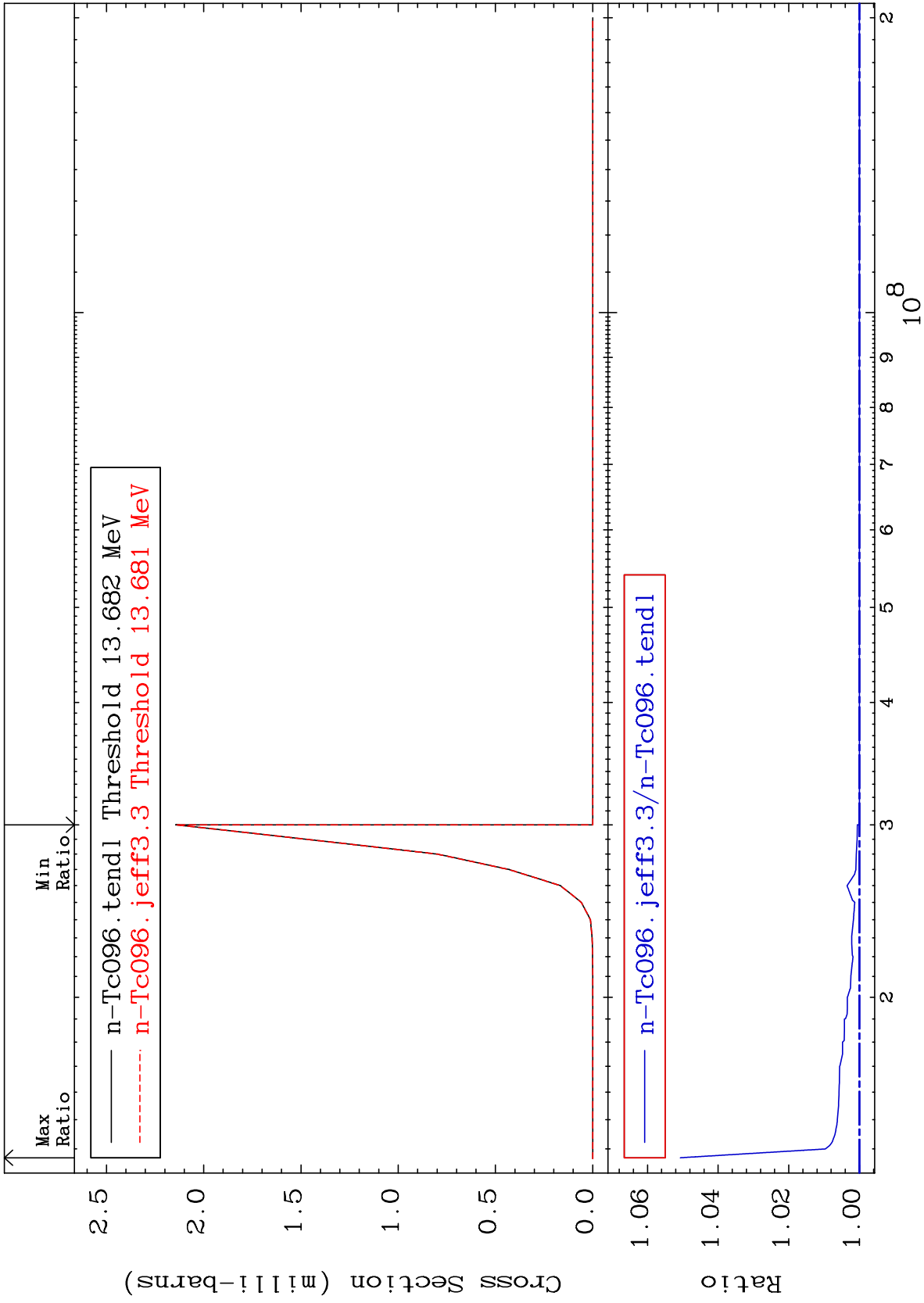
-0.025 To 1.166 %



MAT 4316

(n, n') He-3
Cross Section

43-Tc-96
0.000 To 5.069 %



MAT 4316

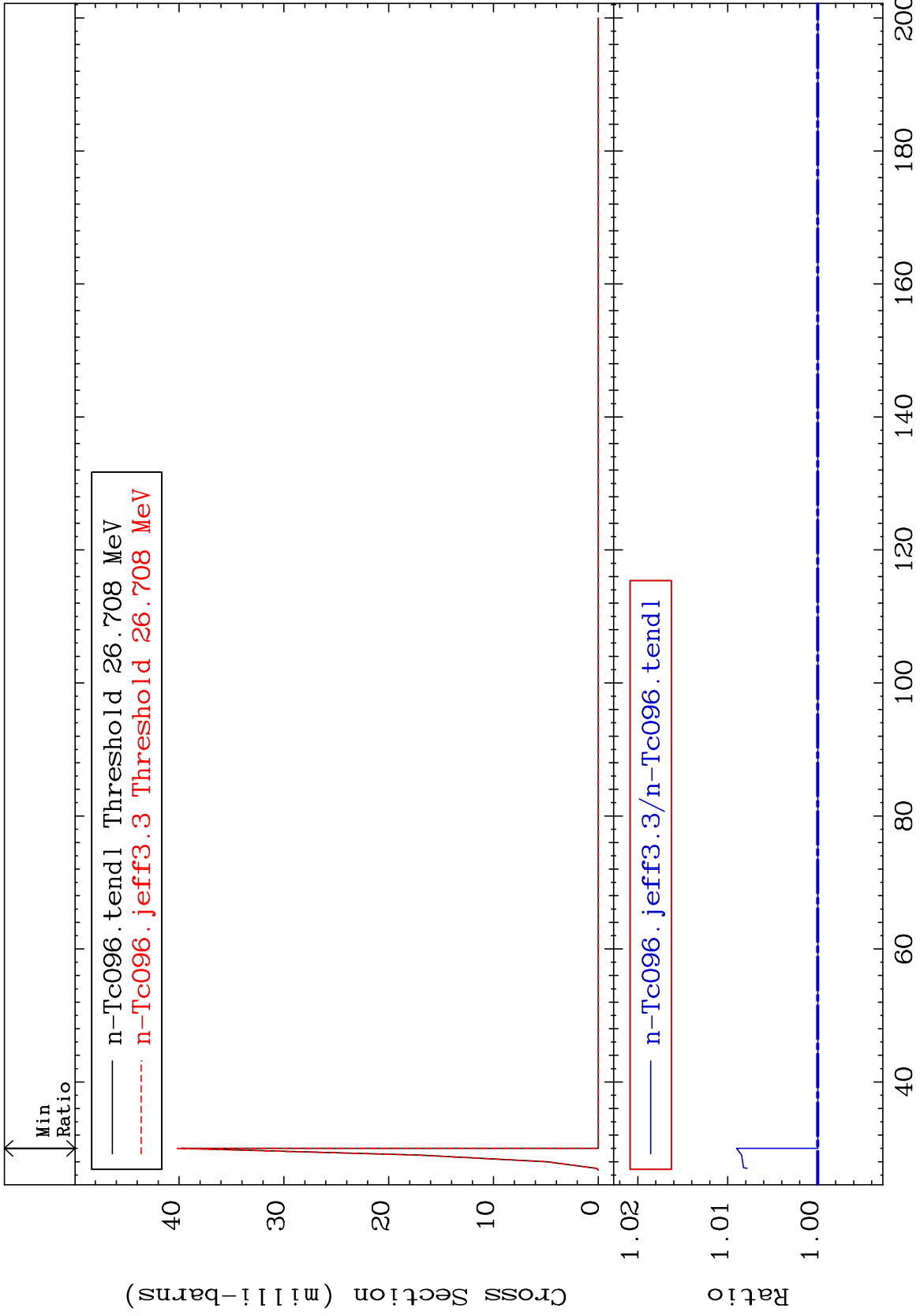
(n,4n)

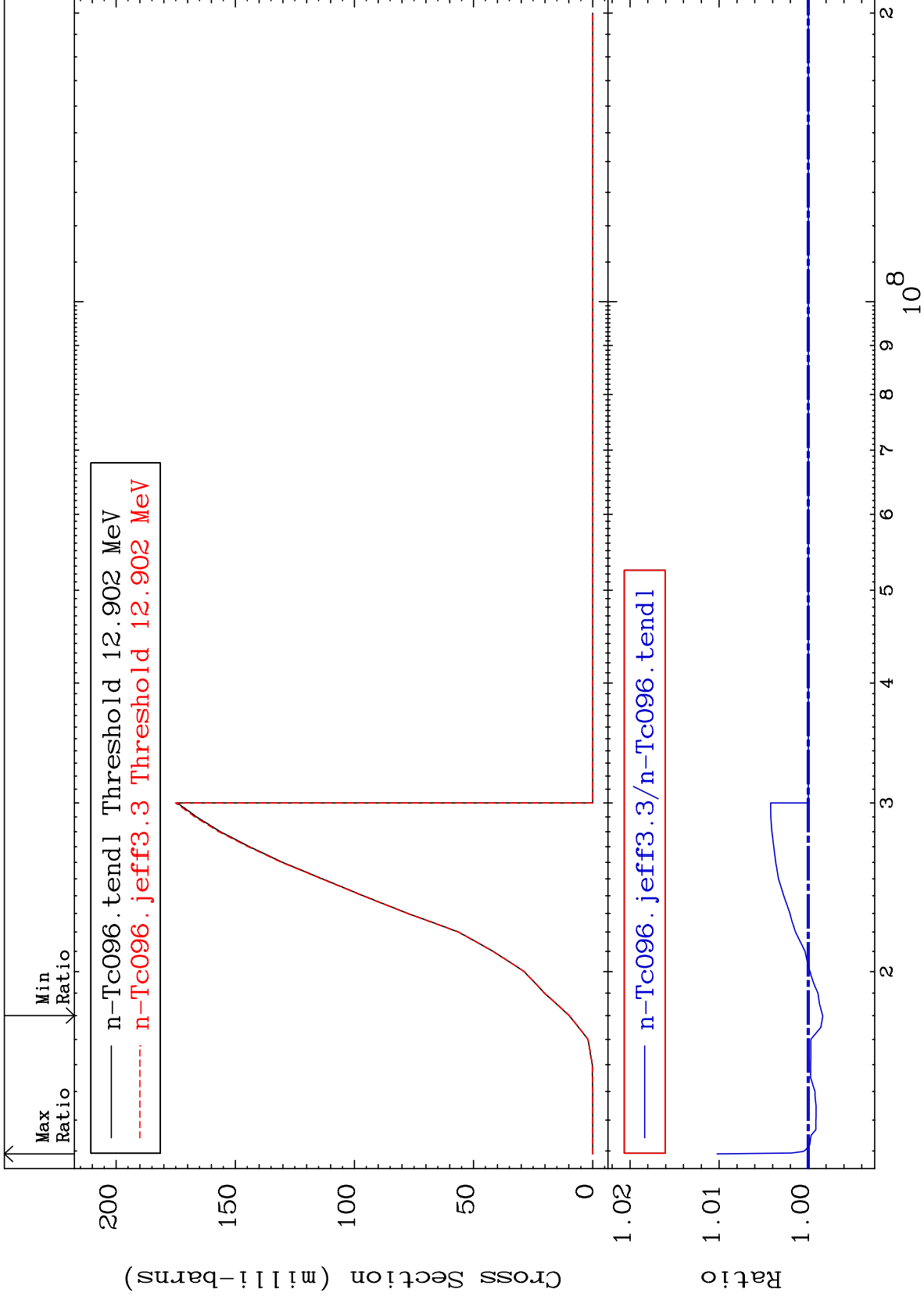
43-Tc-96

Cross Section

0.000

To 0.904 %

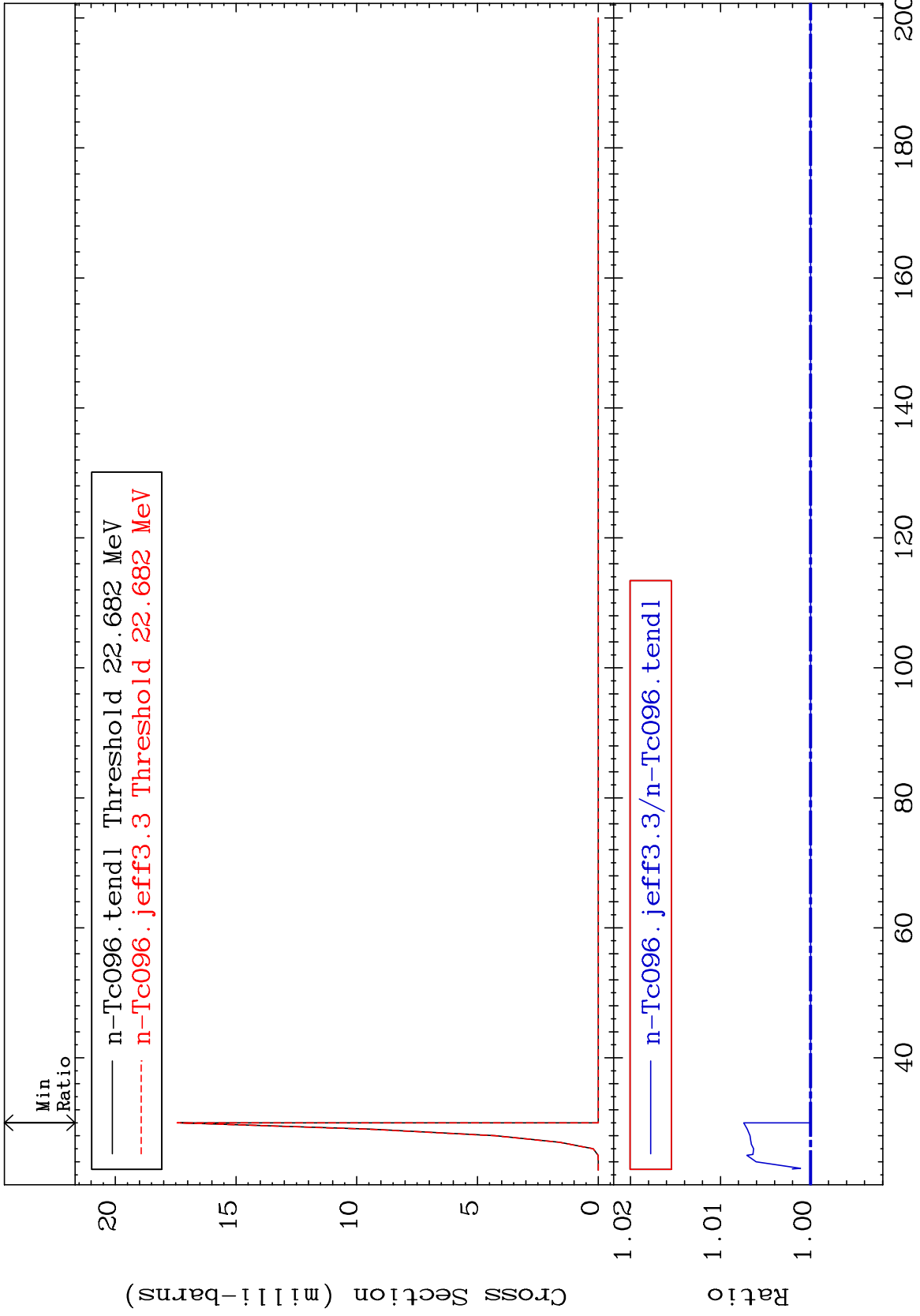




MAT 4316

(n,3n) p
Cross Section

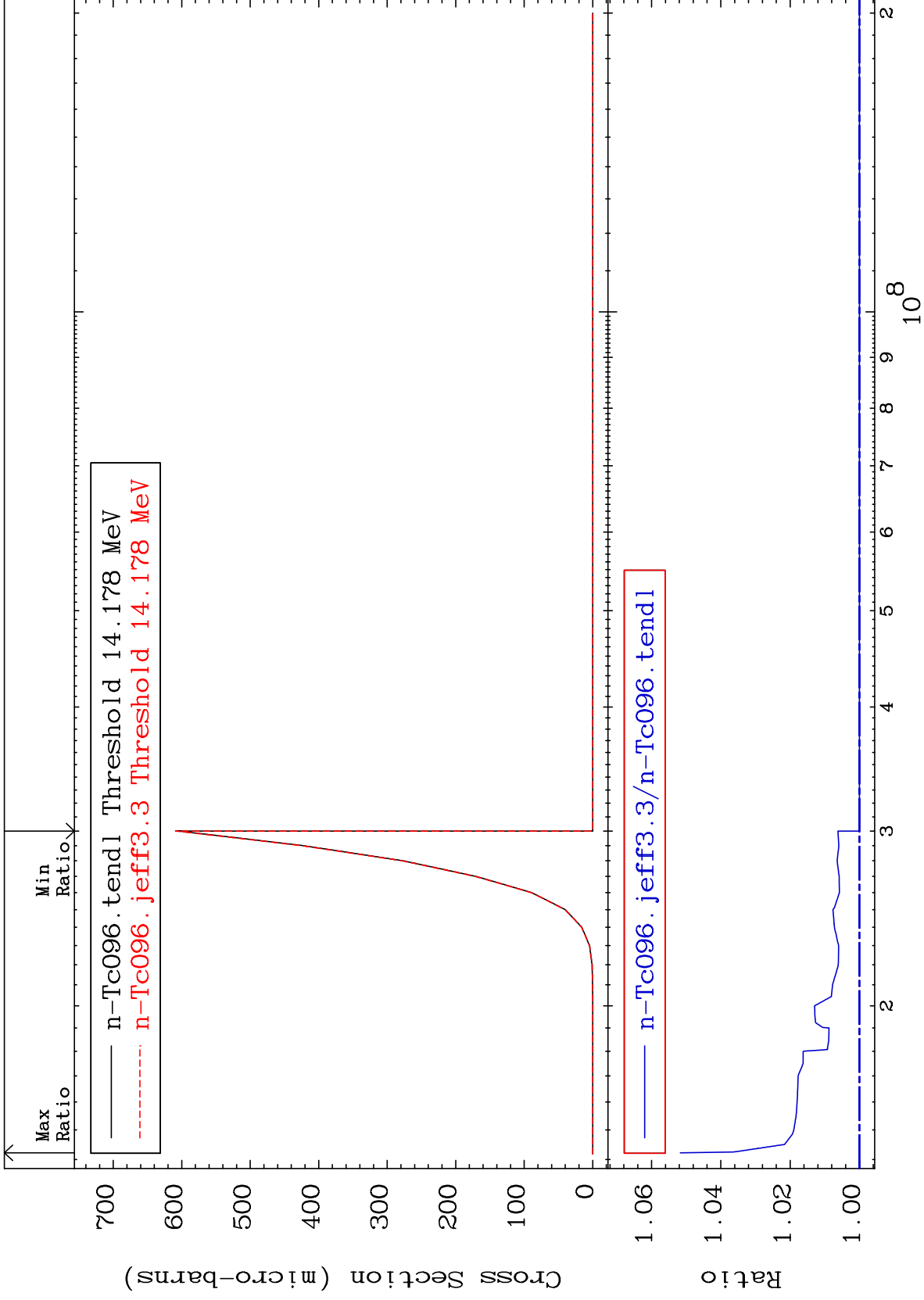
43-Tc-96
0.000 To 0.743 %



MAT 4316

(n,2n) p
Cross Section

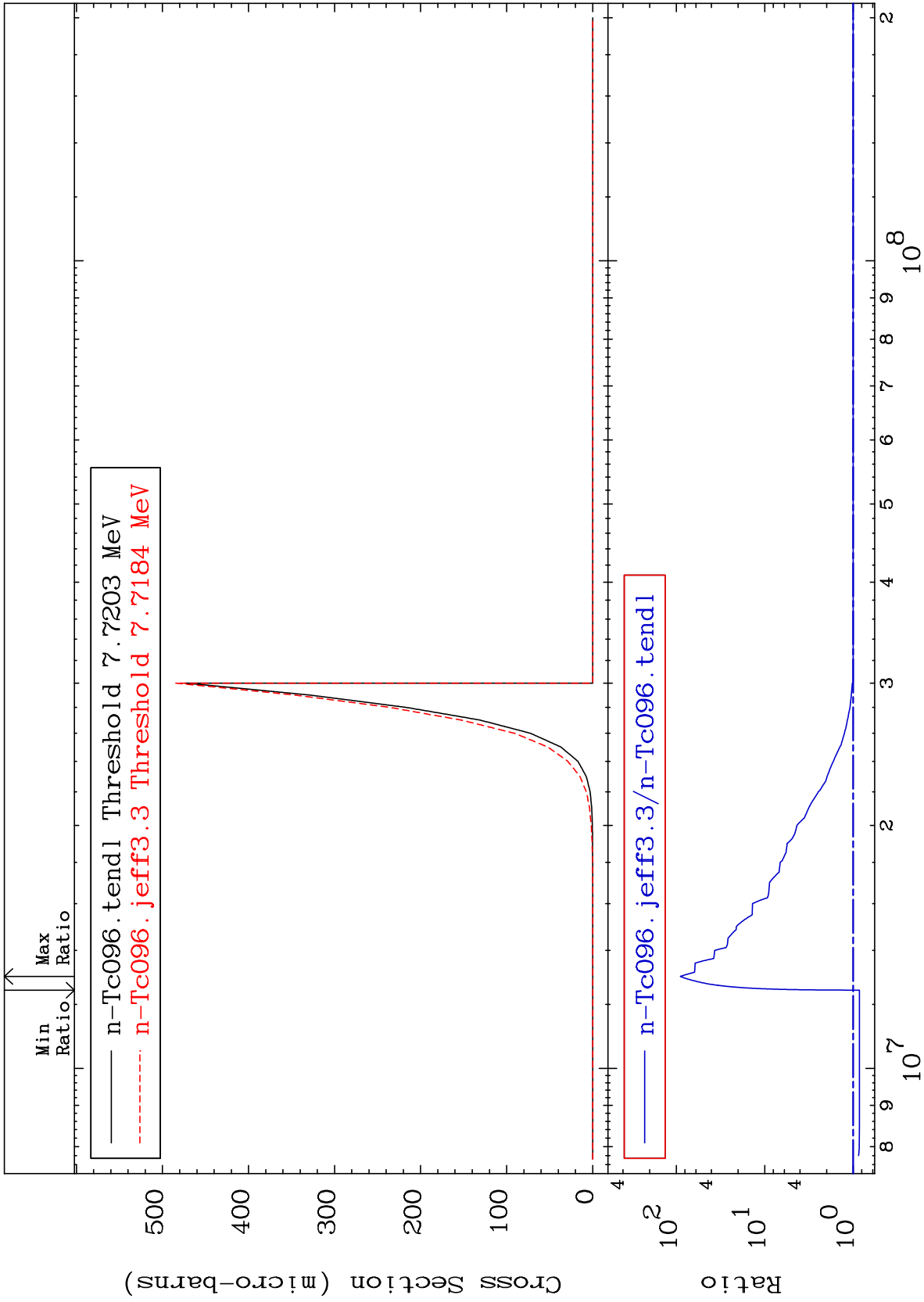
43-Tc-96
0.000 To 5.169 %



MAT 4316

(n,n') p α
Cross Section

43-Tc-96
-14.88 To 8890. %



19

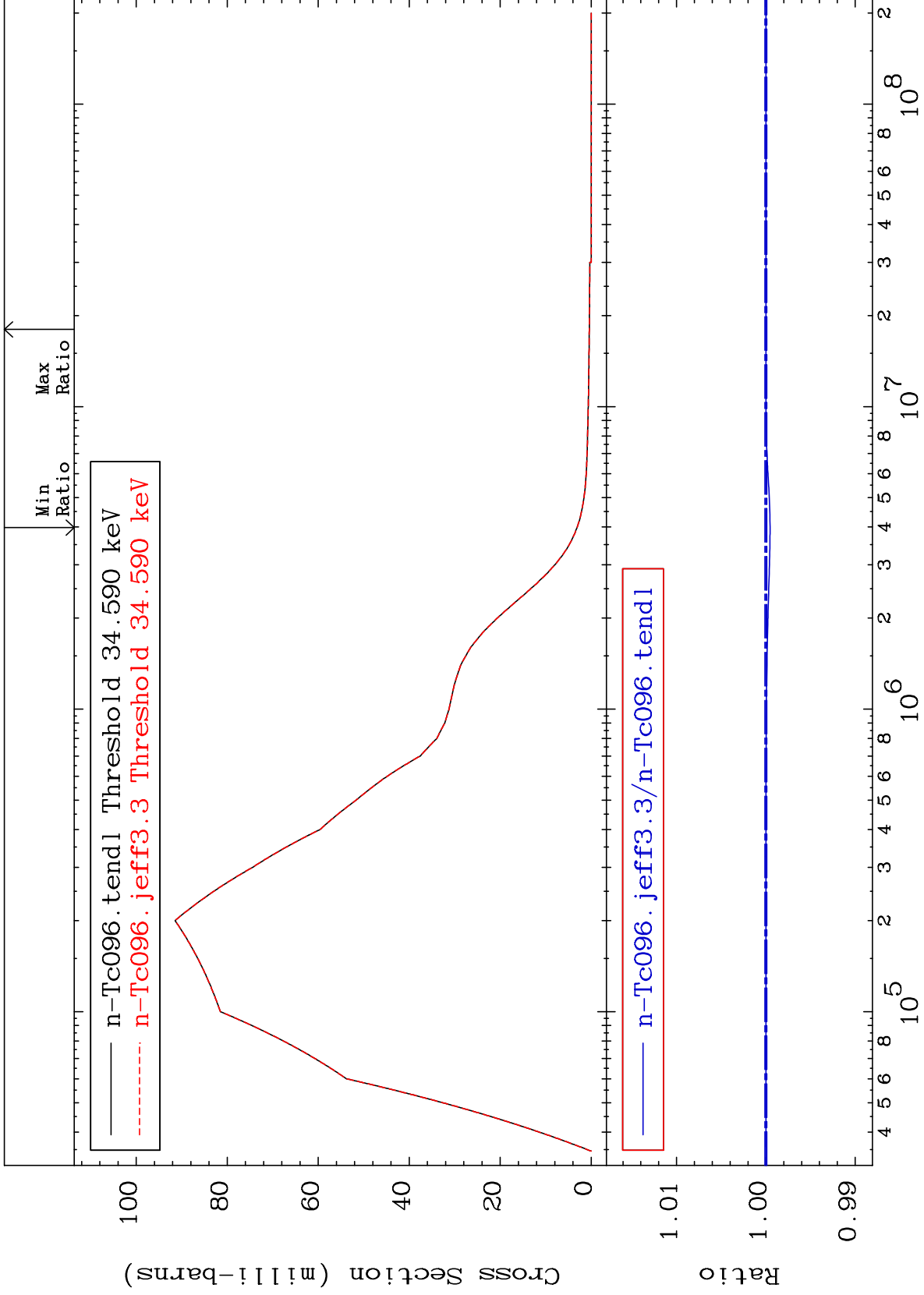
Incident Energy (eV)

43-Tc-96

MAT 4316

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

43-Tc-96
-0.046 To 0.000 %



20

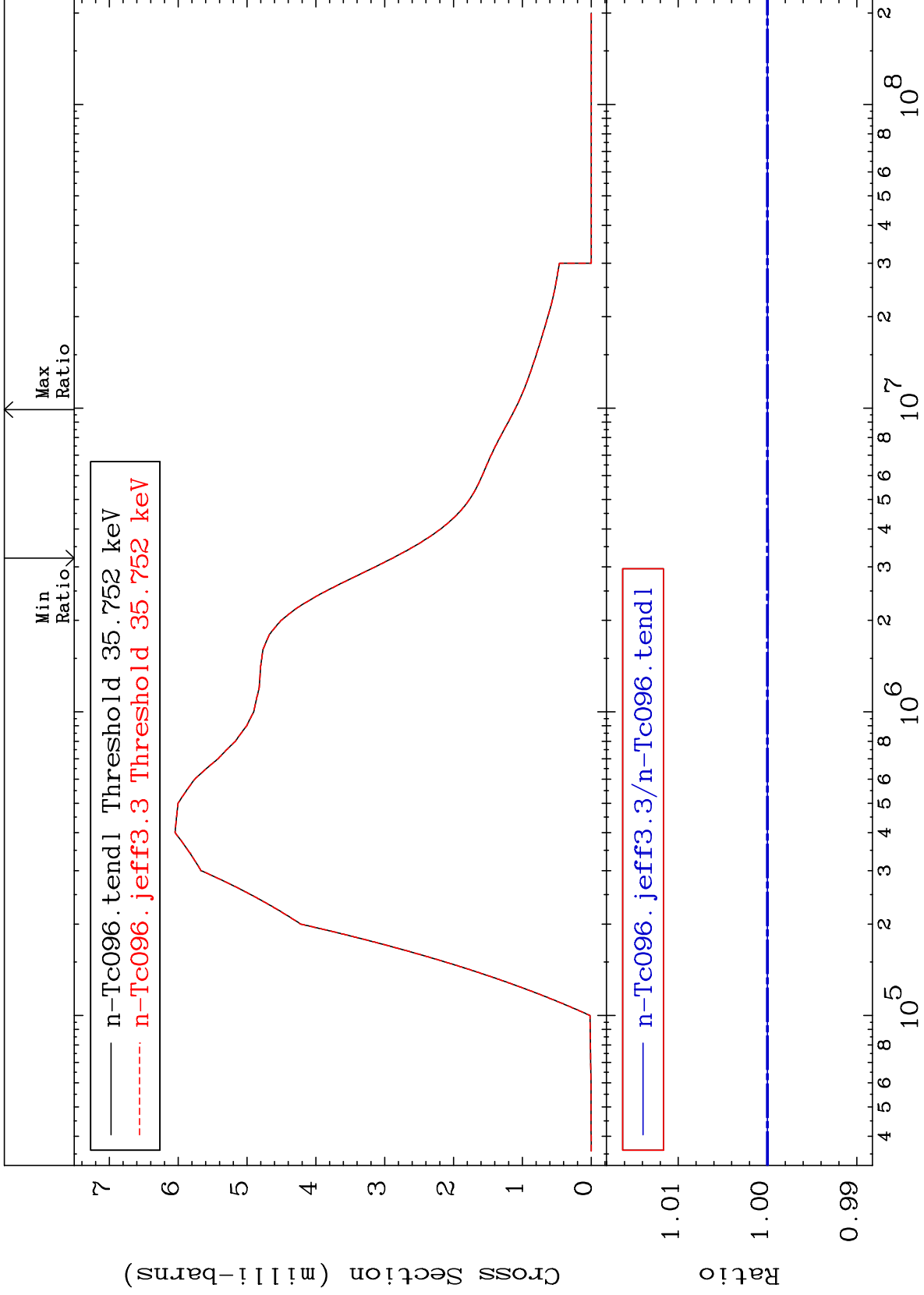
Incident Energy (eV)

43-Tc-96

MAT 4316

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

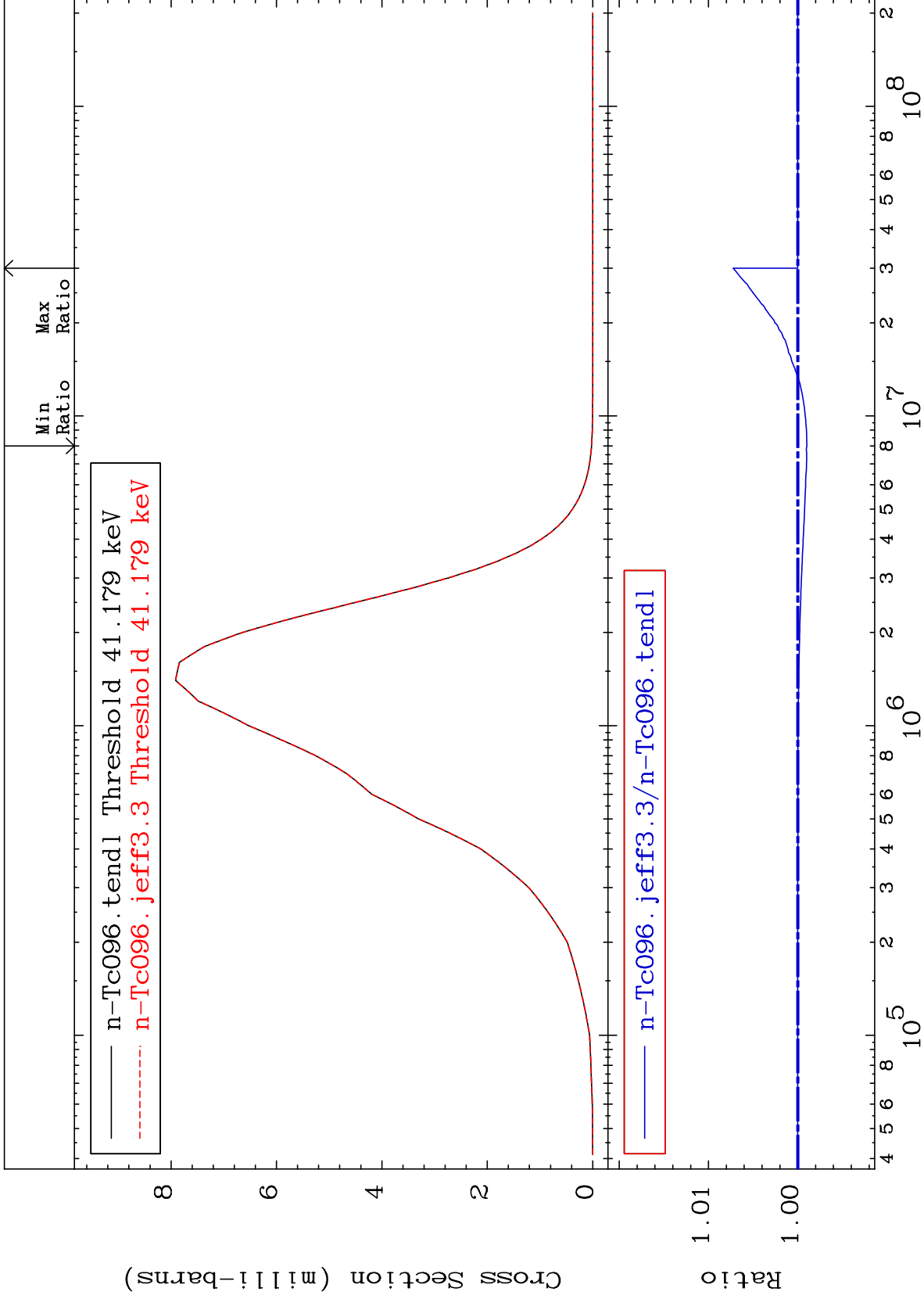
43-Tc-96
-0.011 To 0.000 %



MAT 4316

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

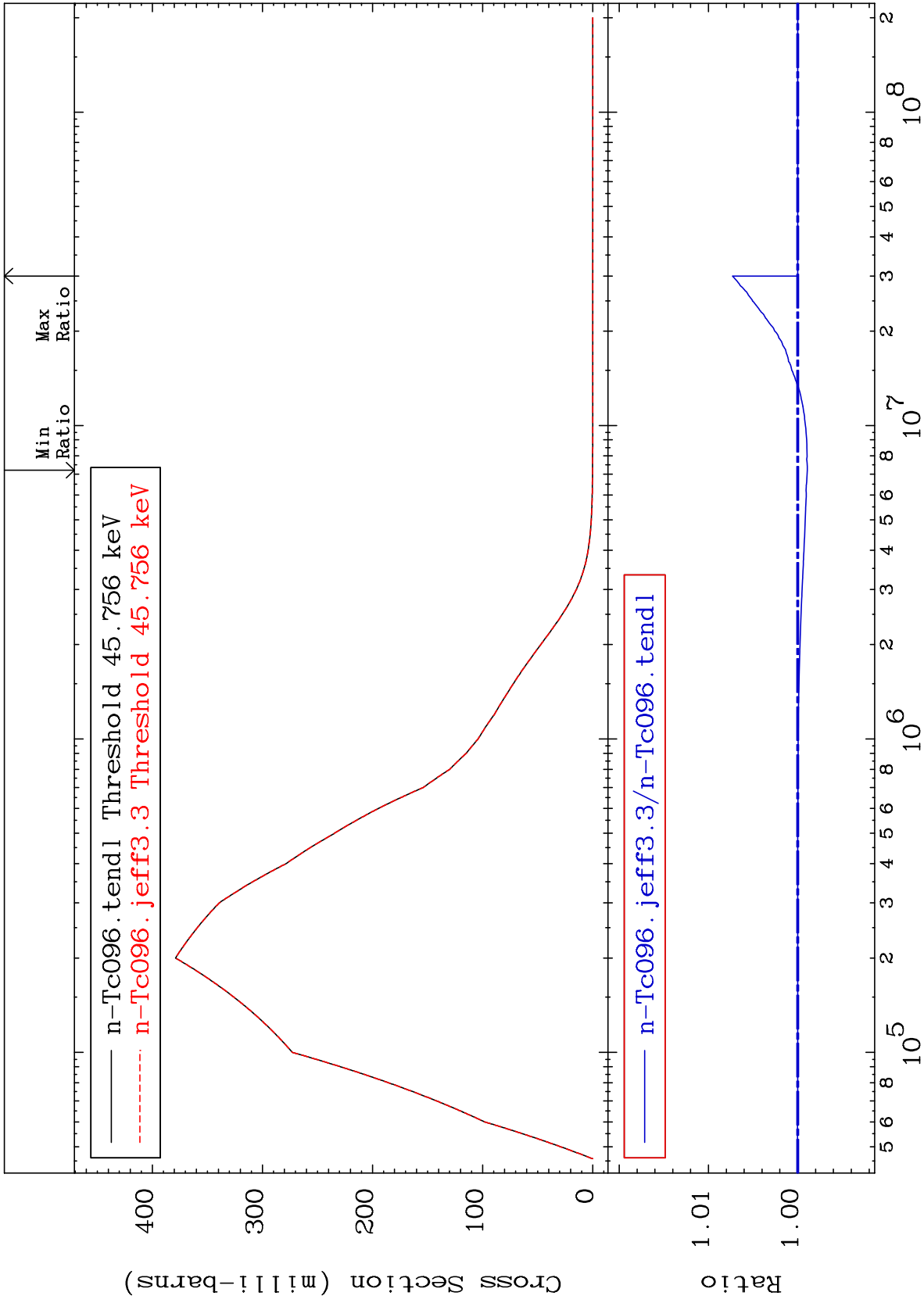
43-Tc-96
-0.101 To 0.726 %



MAT 4316

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

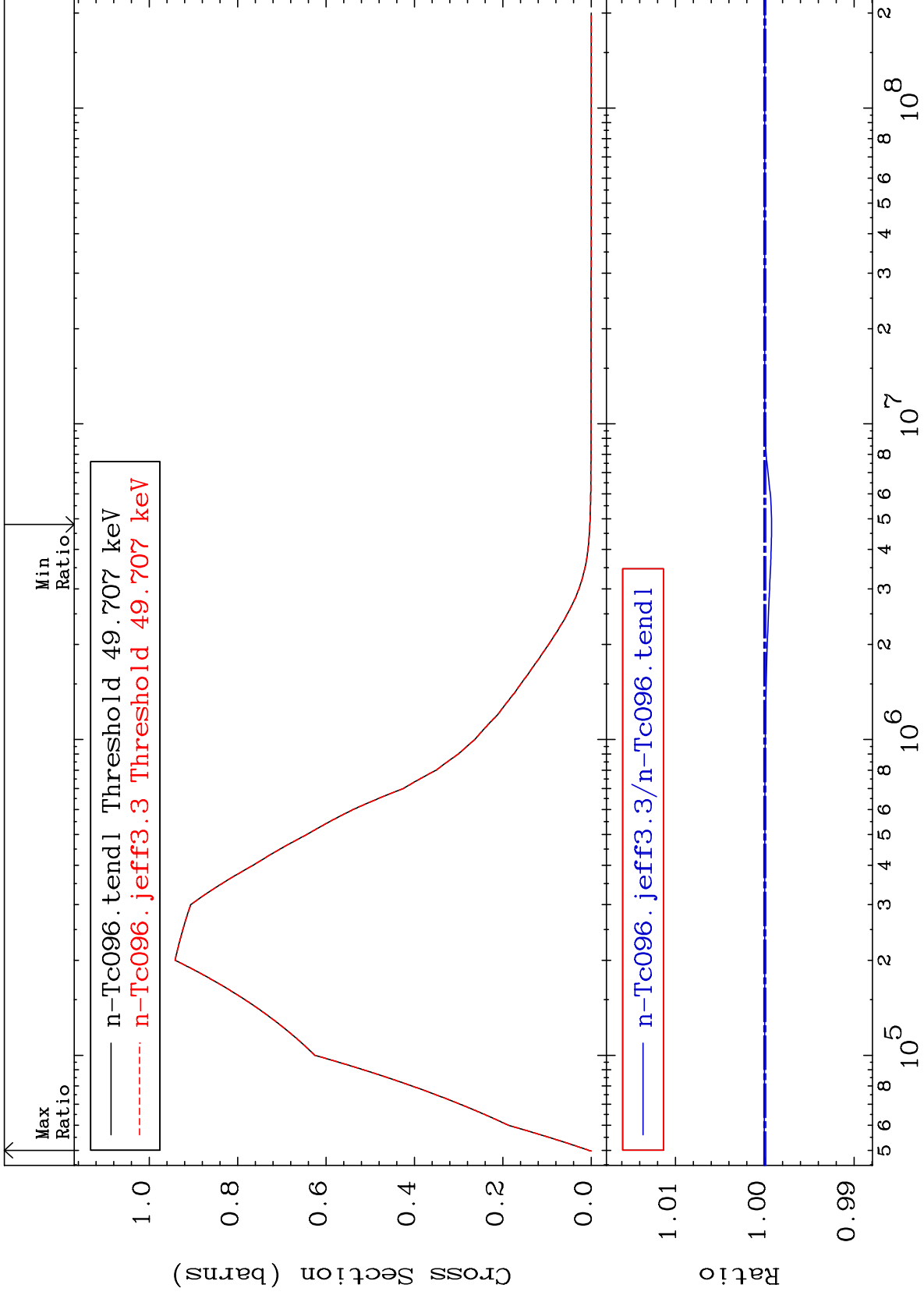
43-Tc-96
-0.107 To 0.730 %

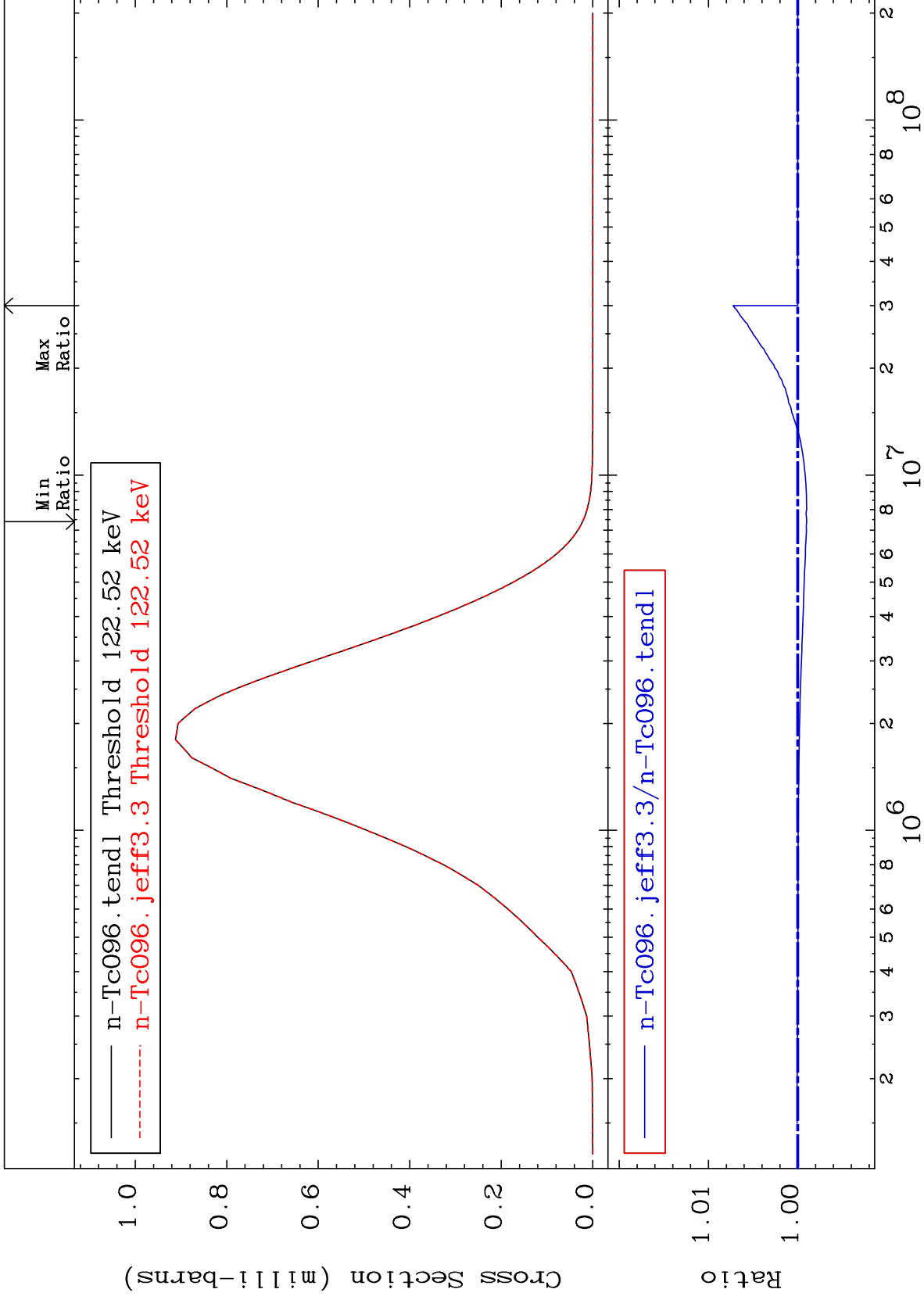


MAT 4316

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

43-Tc-96
-0.076 To 0.005 %

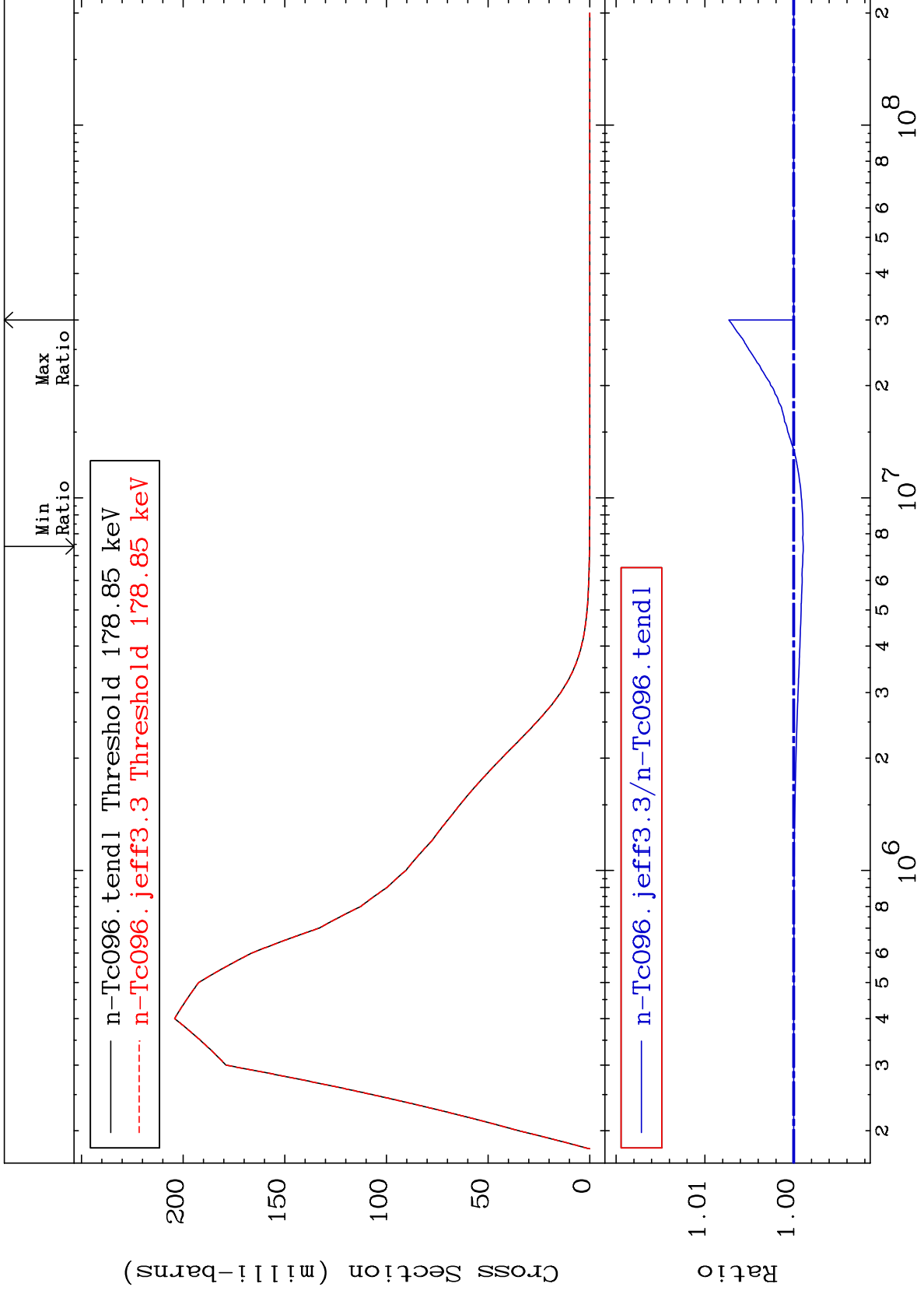




MAT 4316

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

43-Tc-96
-0.107 To 0.731 %



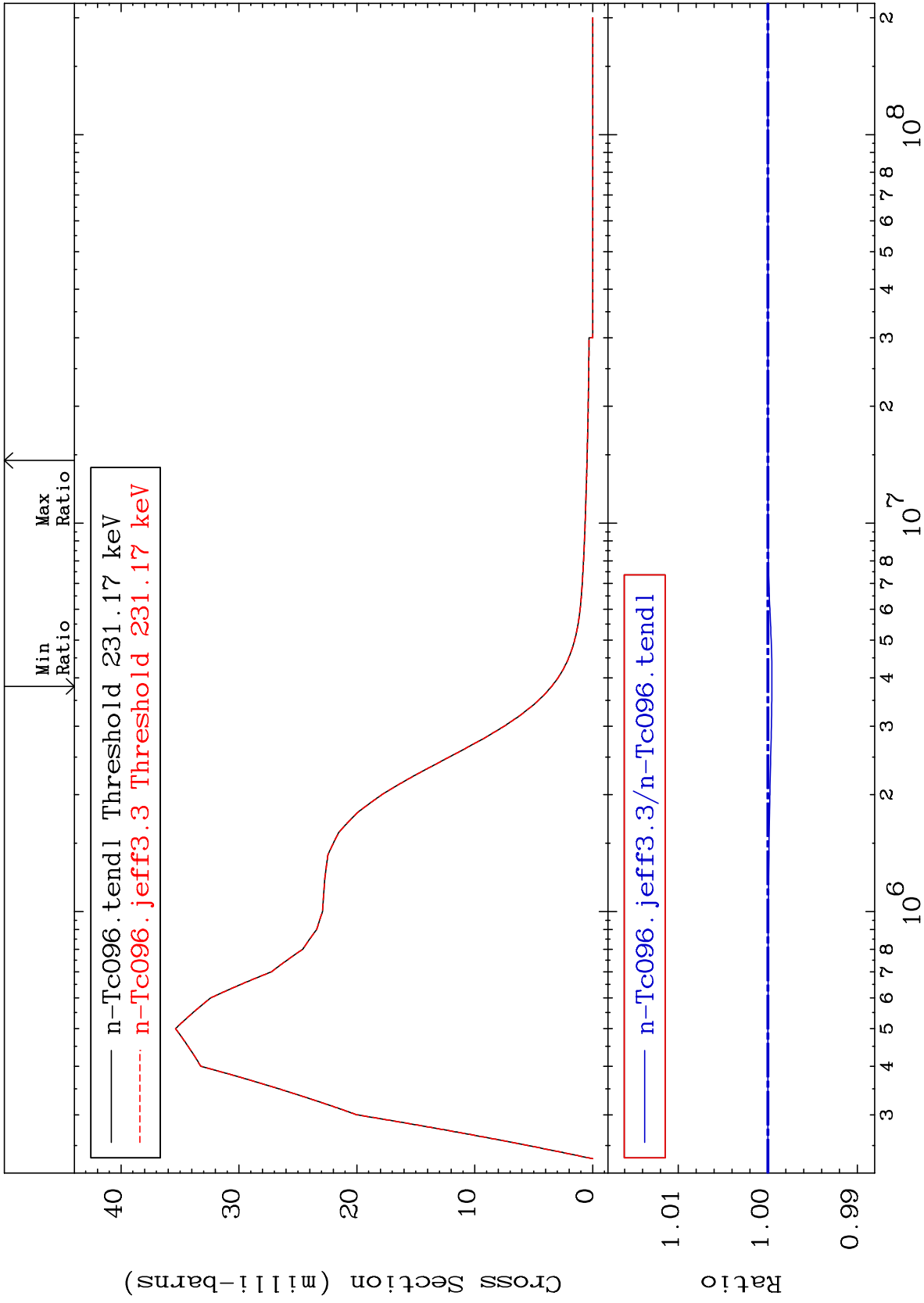
MAT 4316

MT= 59 (n,n') Level

43-Tc-96

-0.045 To 0.000 %

Cross Section



27

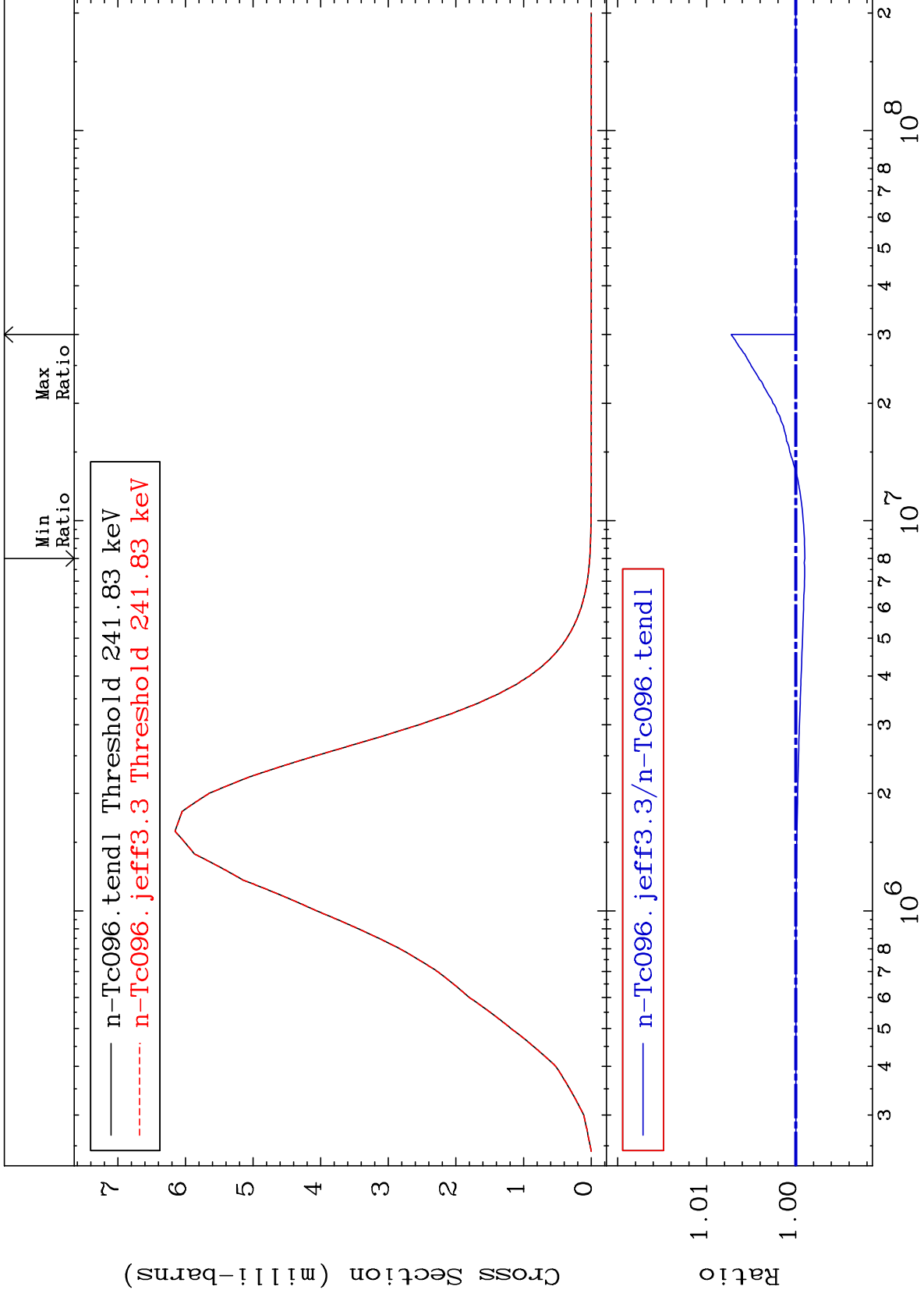
Incident Energy (eV)

43-Tc-96

MAT 4316

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

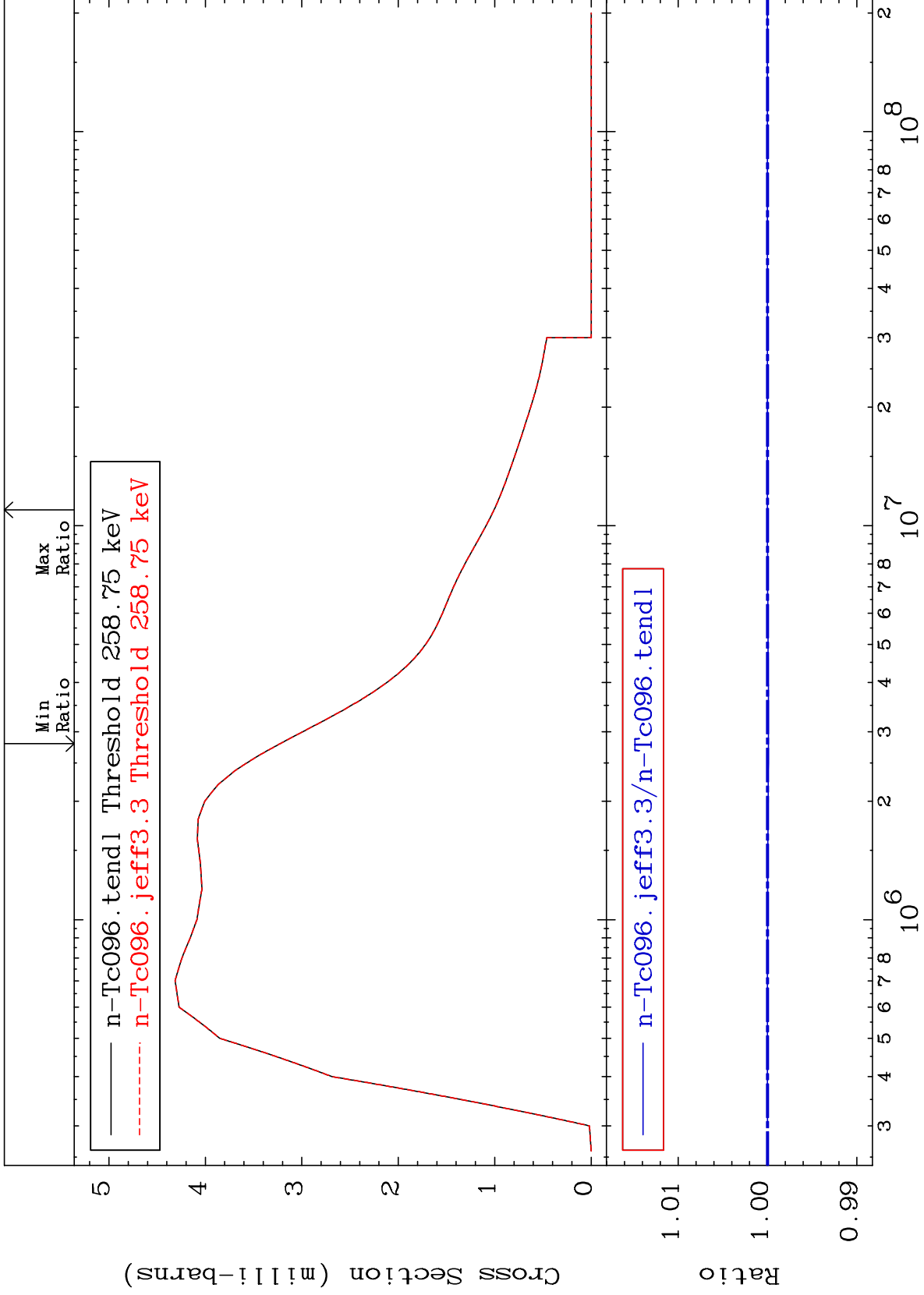
43-Tc-96
-0.101 To 0.726 %



MAT 4316

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

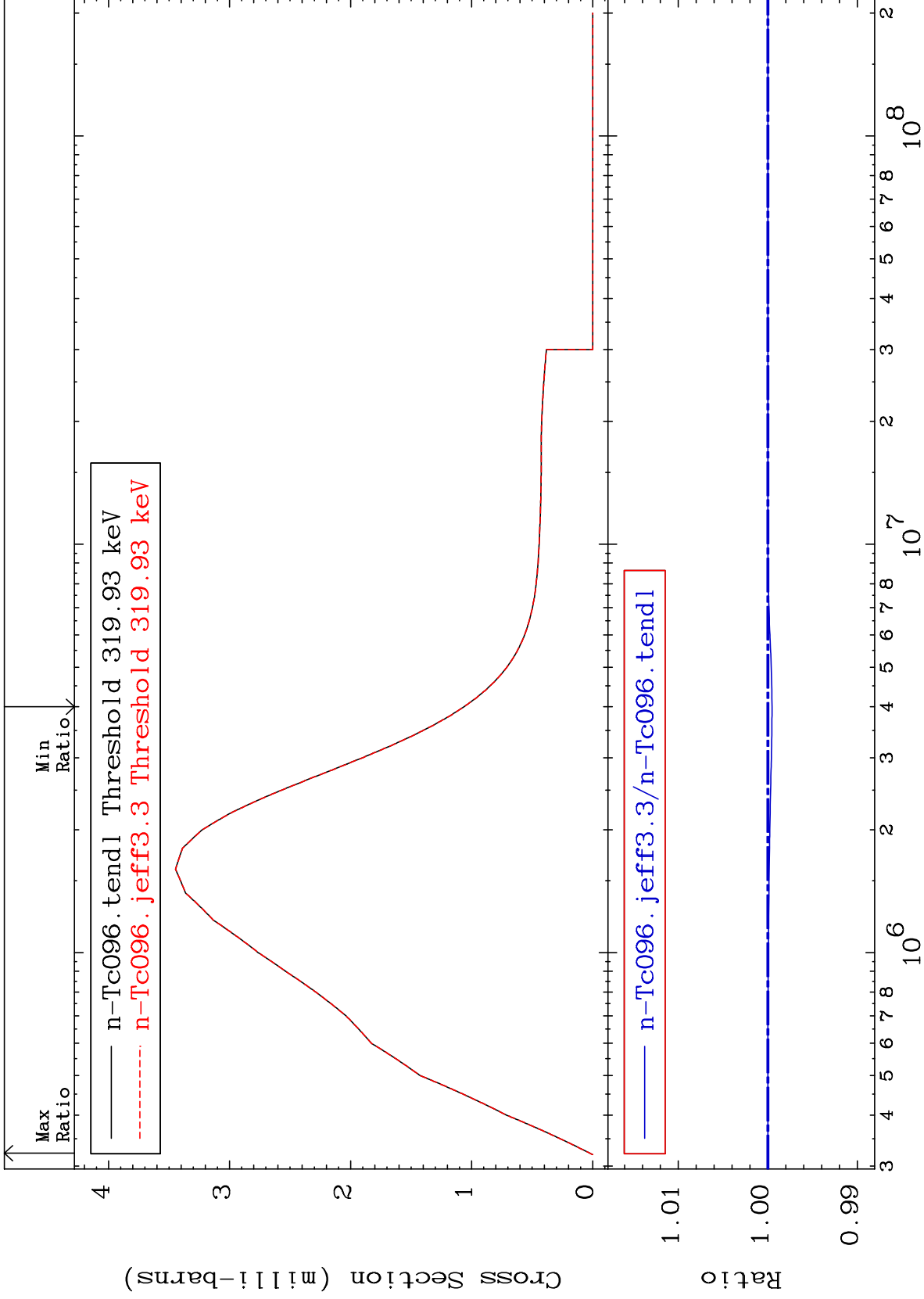
43-Tc-96
-0.011 To 0.000 %



MAT 4316

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

43-Tc-96
-0.046 To 0.000 %



30

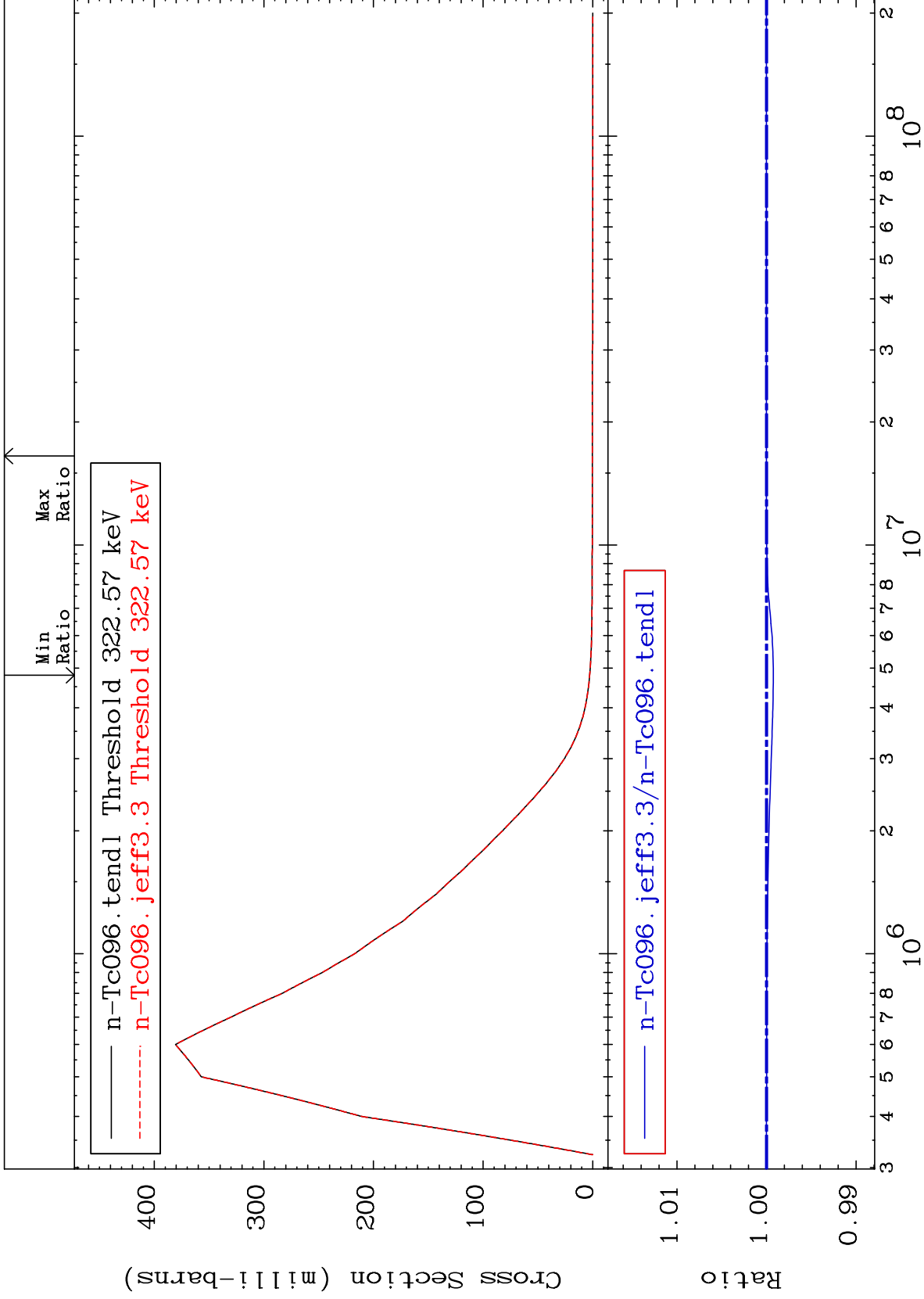
Incident Energy (eV)

43-Tc-96

MAT 4316

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

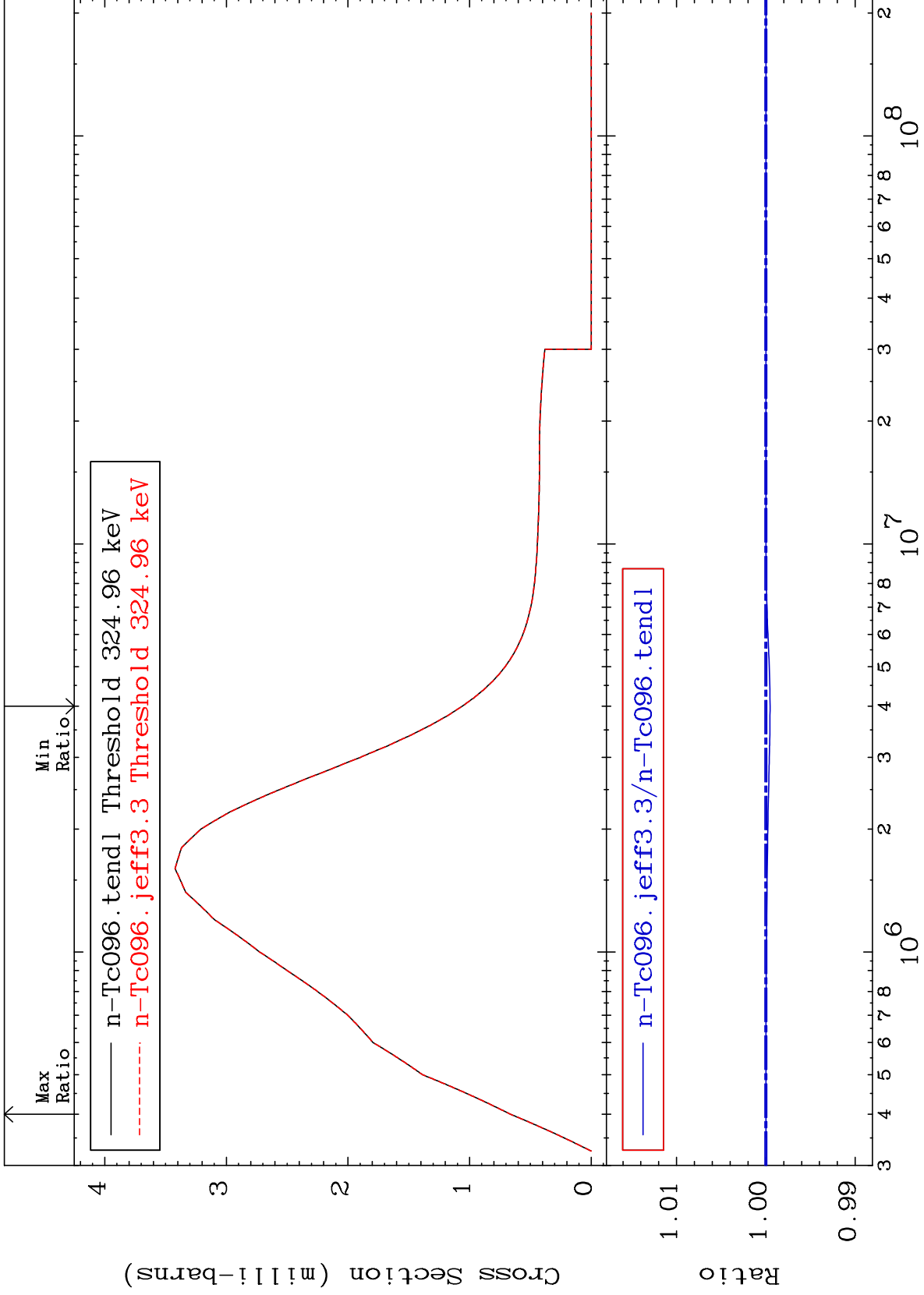
43-Tc-96
-0.076 To 0.000 %



MAT 4316

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

43-Tc-96
-0.046 To 0.000 %



32

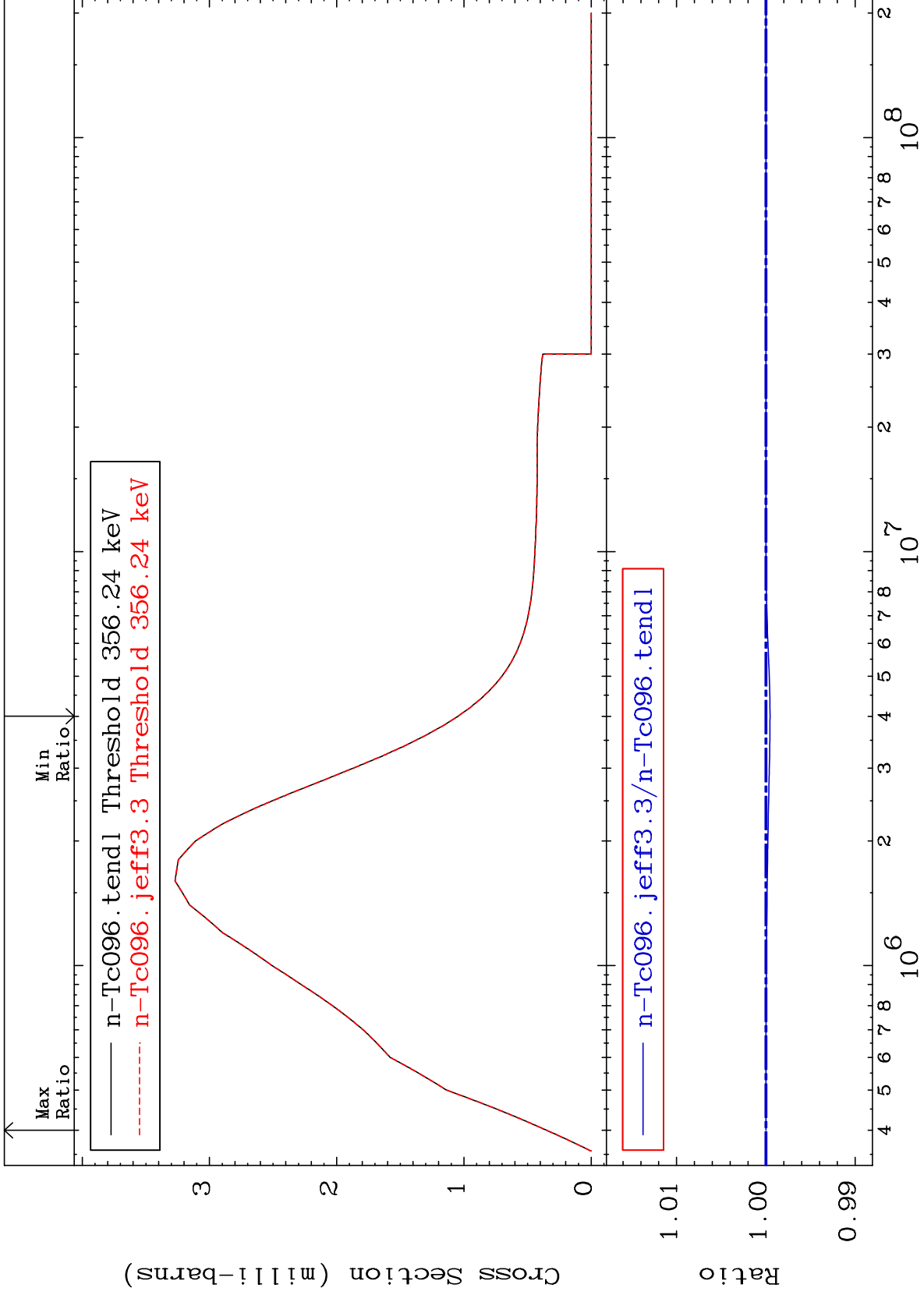
Incident Energy (eV)

43-Tc-96

MAT 4316

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

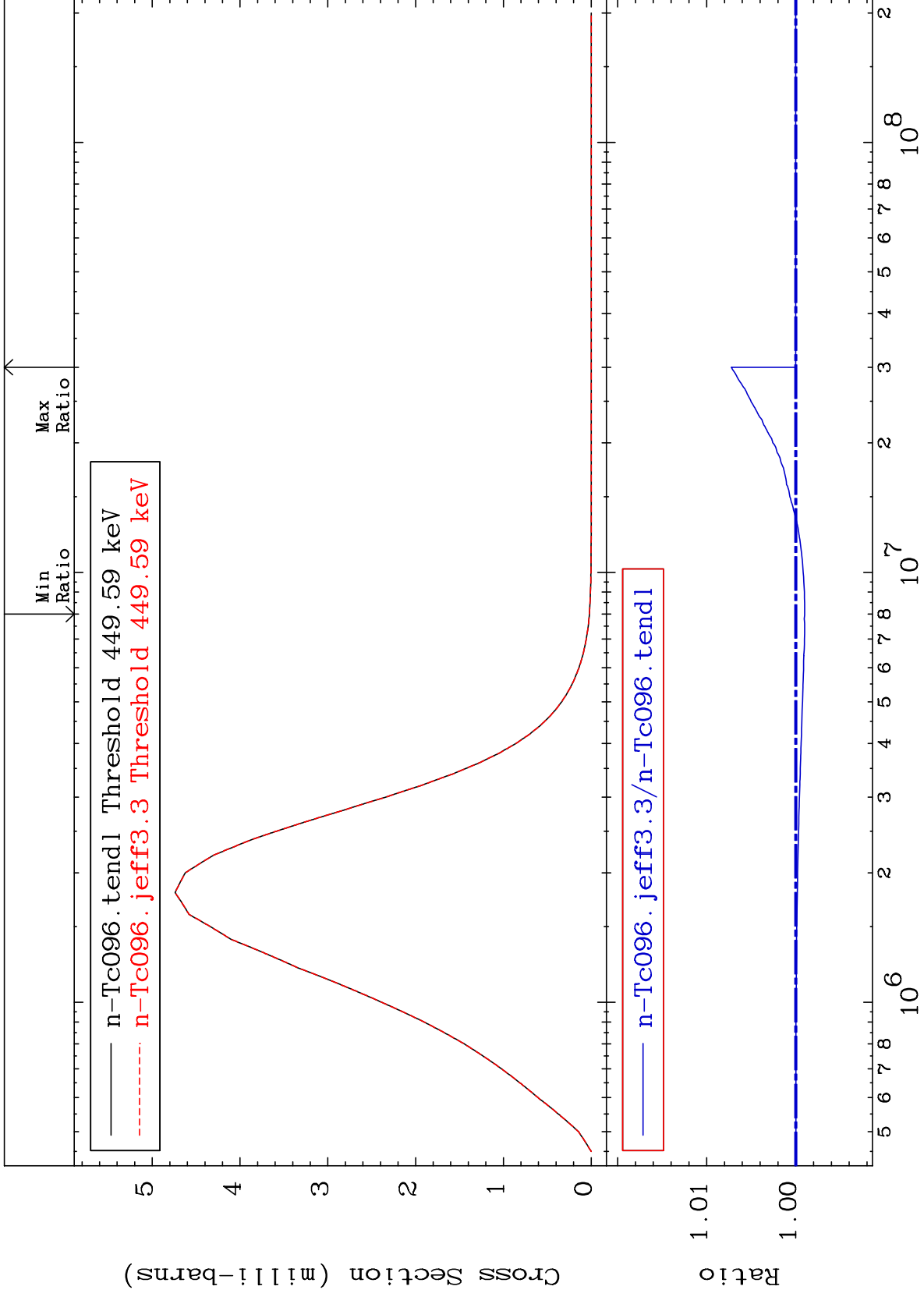
43-Tc-96
-0.046 To 0.000 %



MAT 4316

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

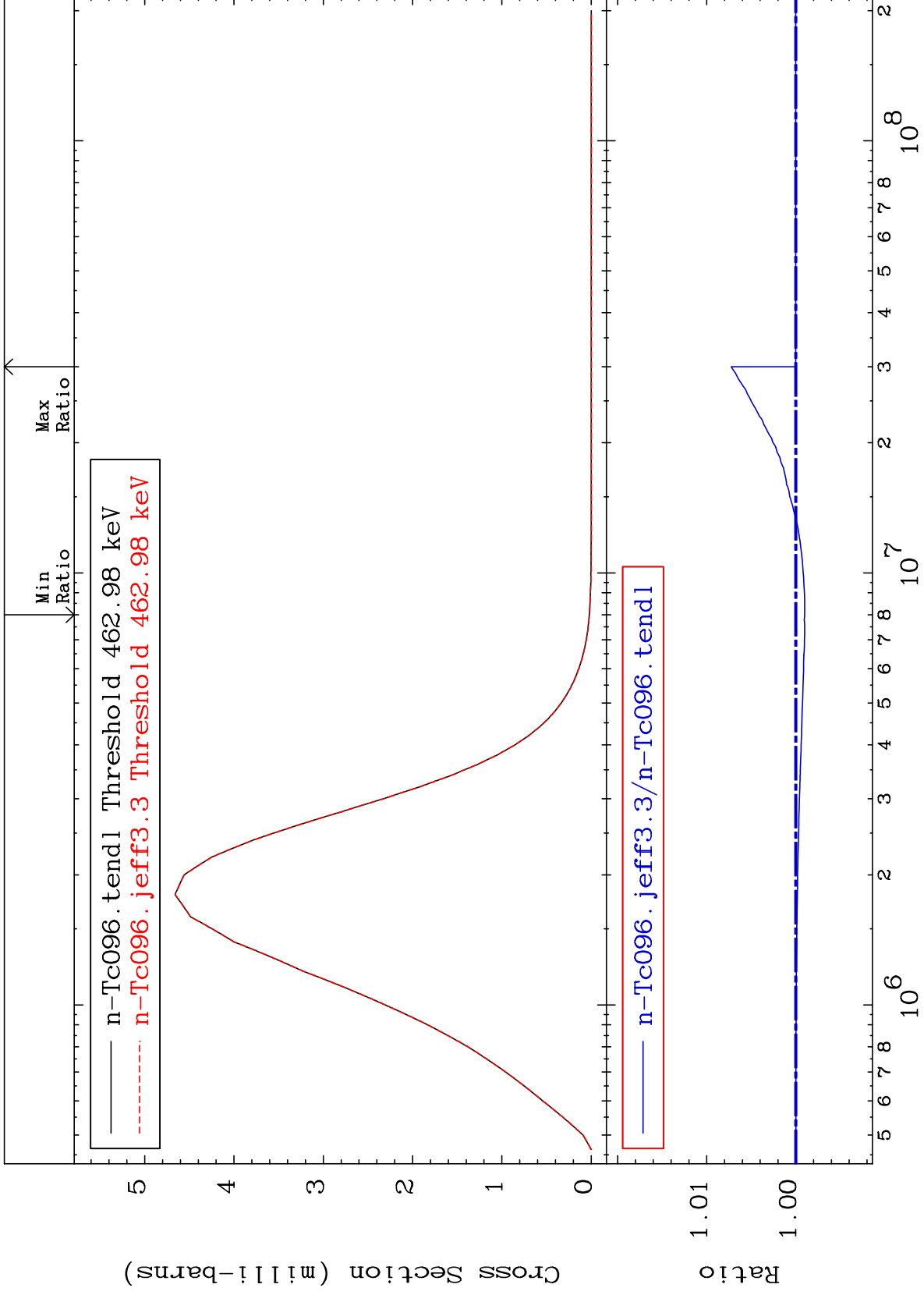
43-Tc-96
-0.101 To 0.726 %



MAT 4316

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

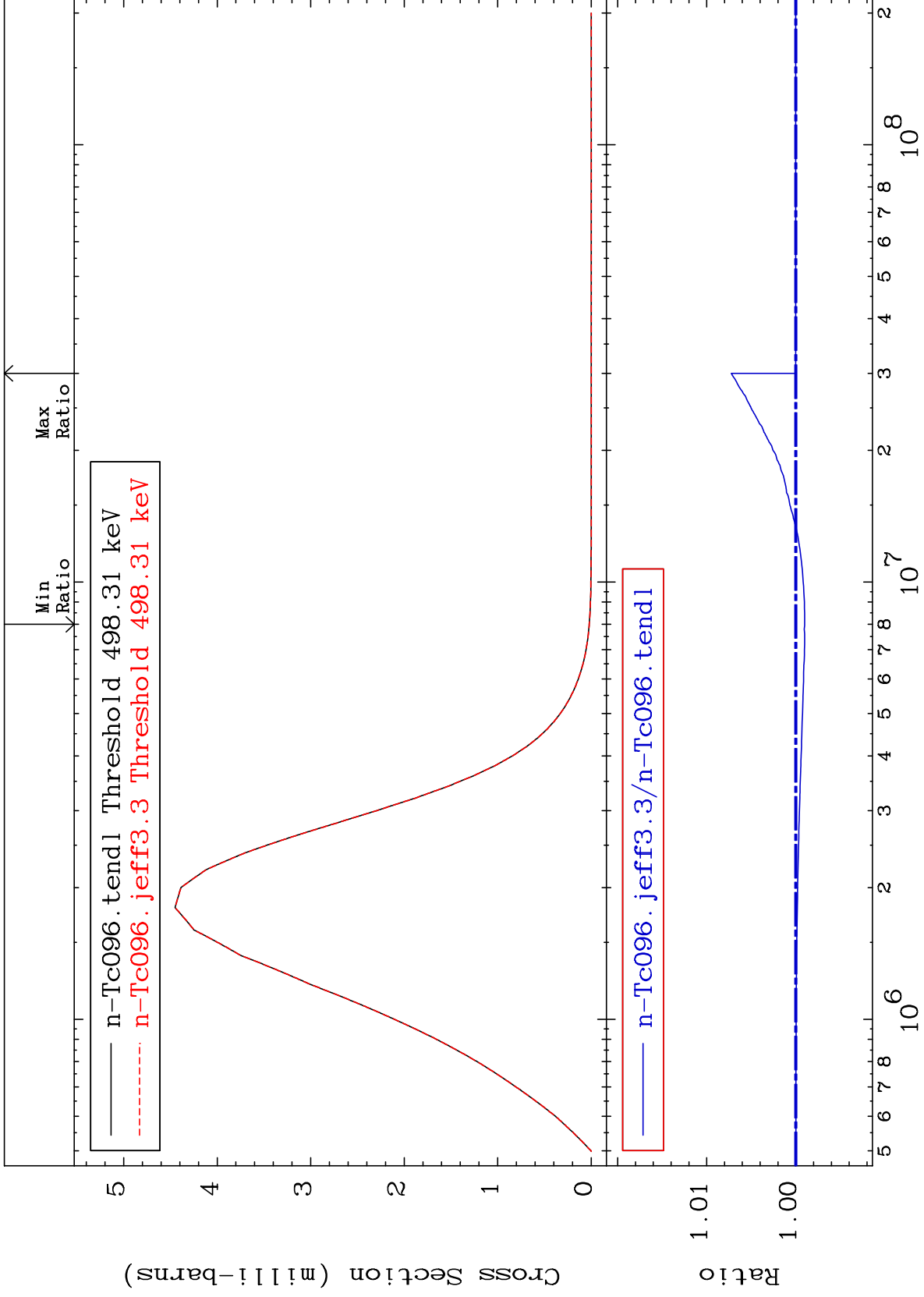
43-Tc-96
-0.101 To 0.726 %



MAT 4316

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

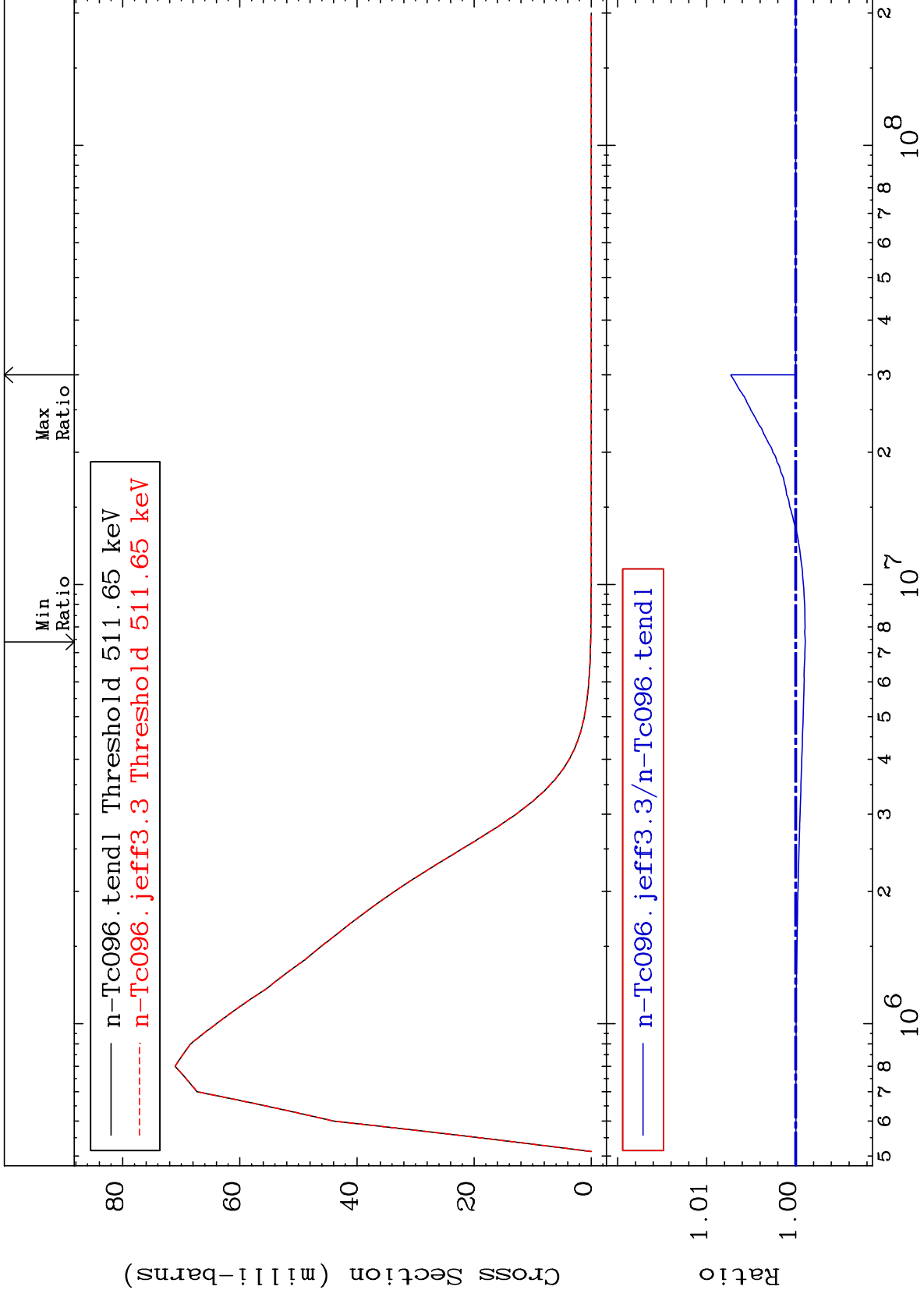
43-Tc-96
-0.101 To 0.726 %



MAT 4316

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

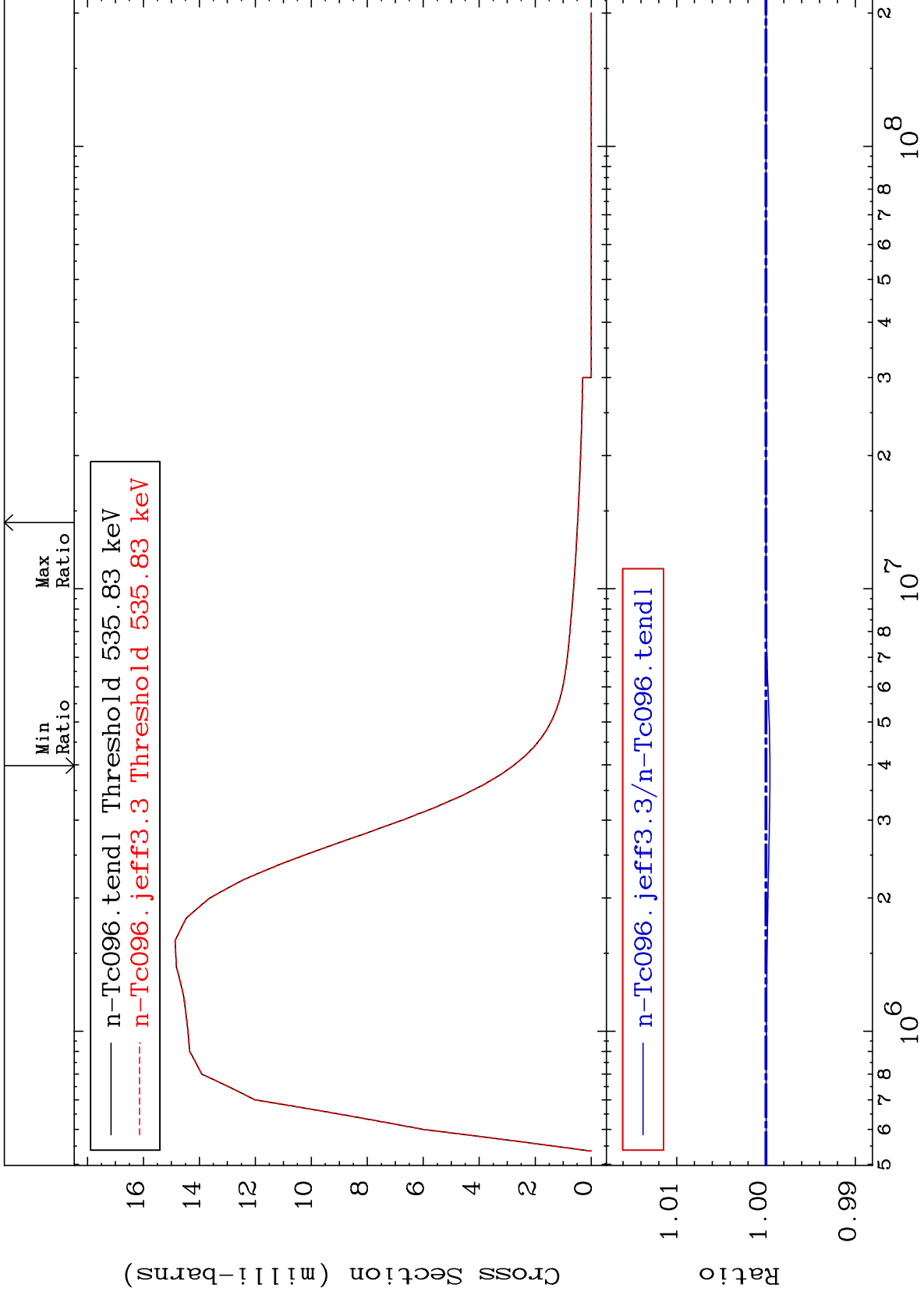
43-Tc-96
-0.107 To 0.730 %



MAT 4316

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

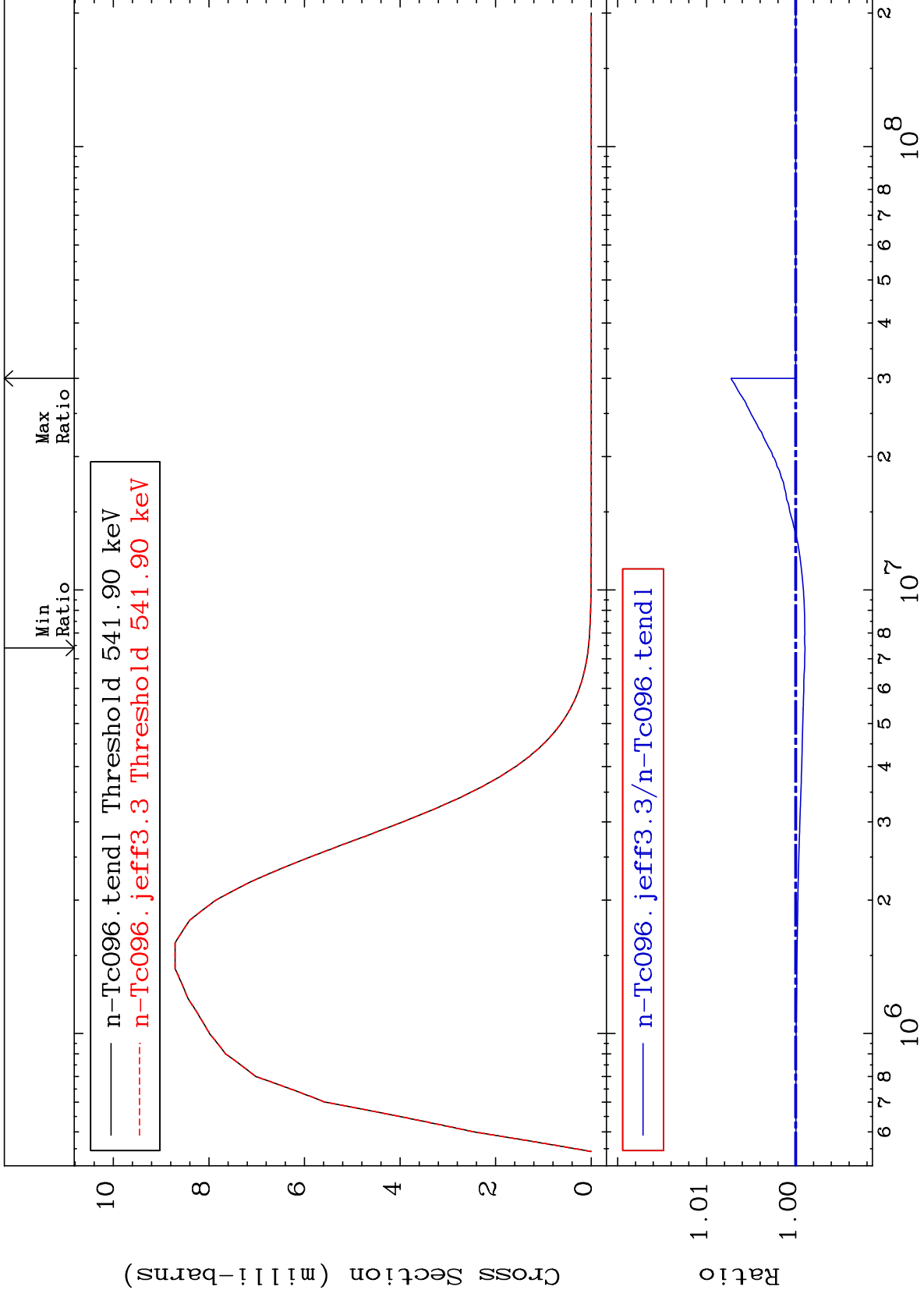
43-Tc-96
-0.045 To 0.000 %



MAT 4316

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

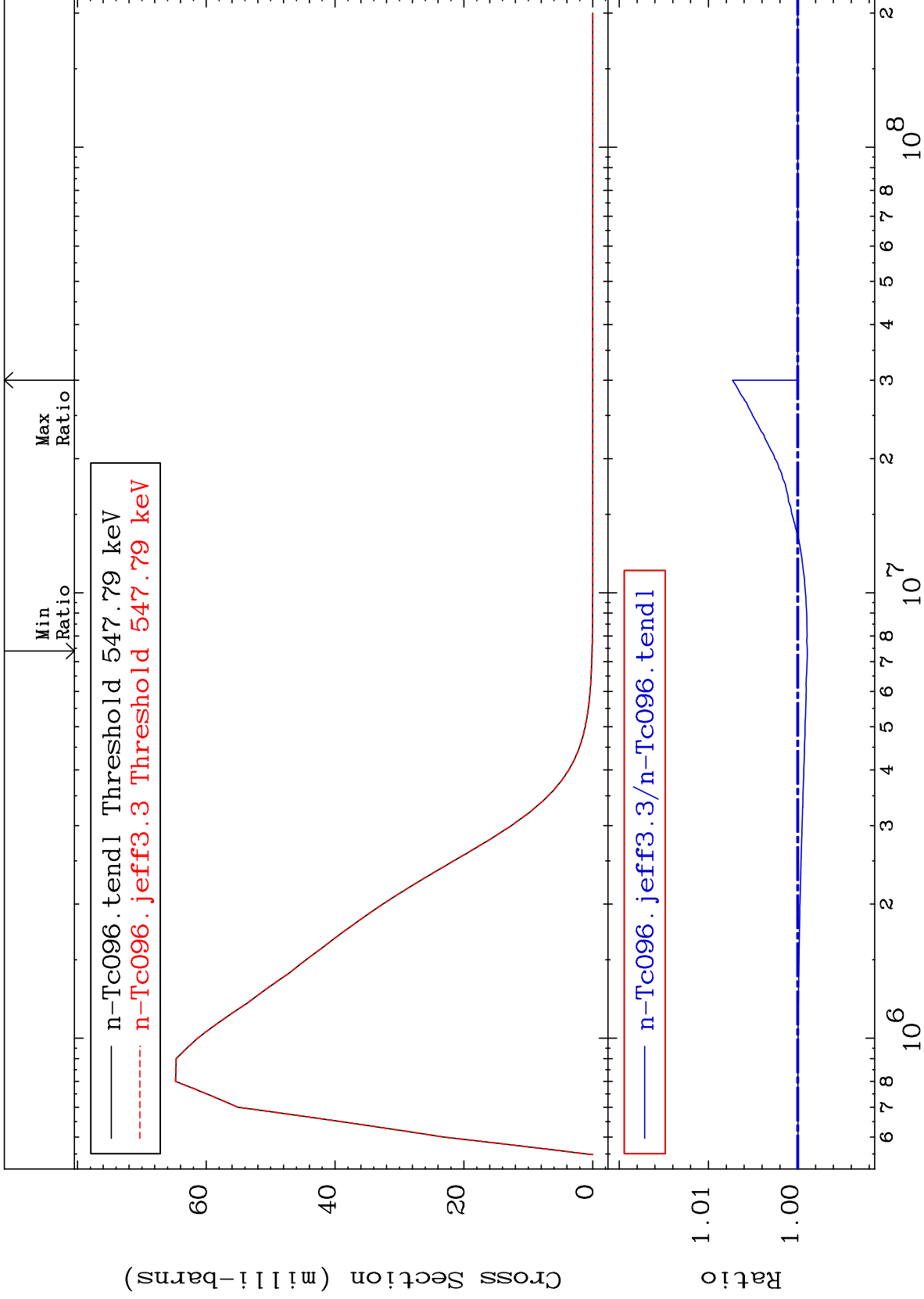
43-Tc-96
-0.104 To 0.728 %



MAT 4316

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

43-Tc-96
-0.107 To 0.730 %



40

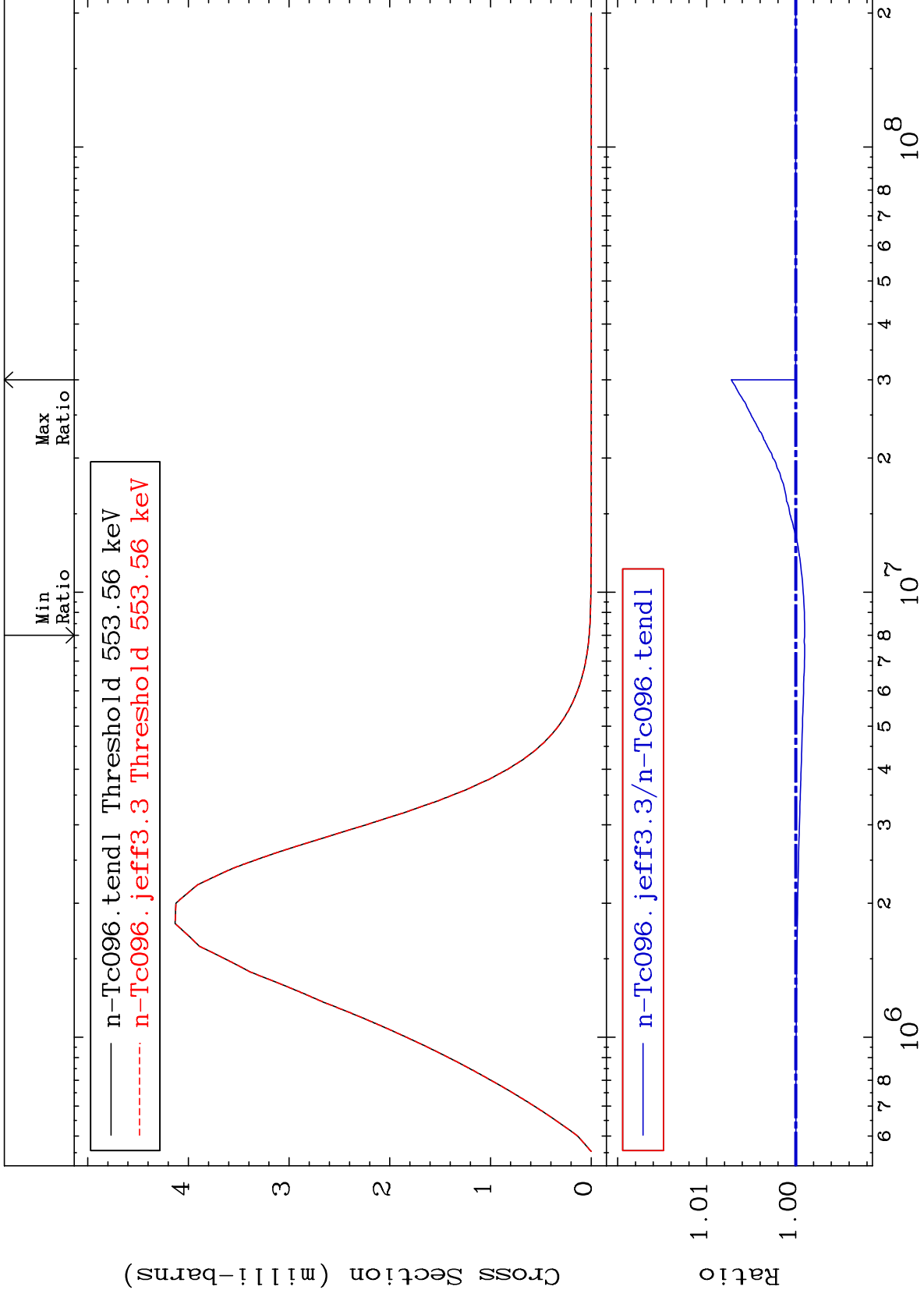
Incident Energy (eV)

43-Tc-96

MAT 4316

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

43-Tc-96
-0.101 To 0.725 %



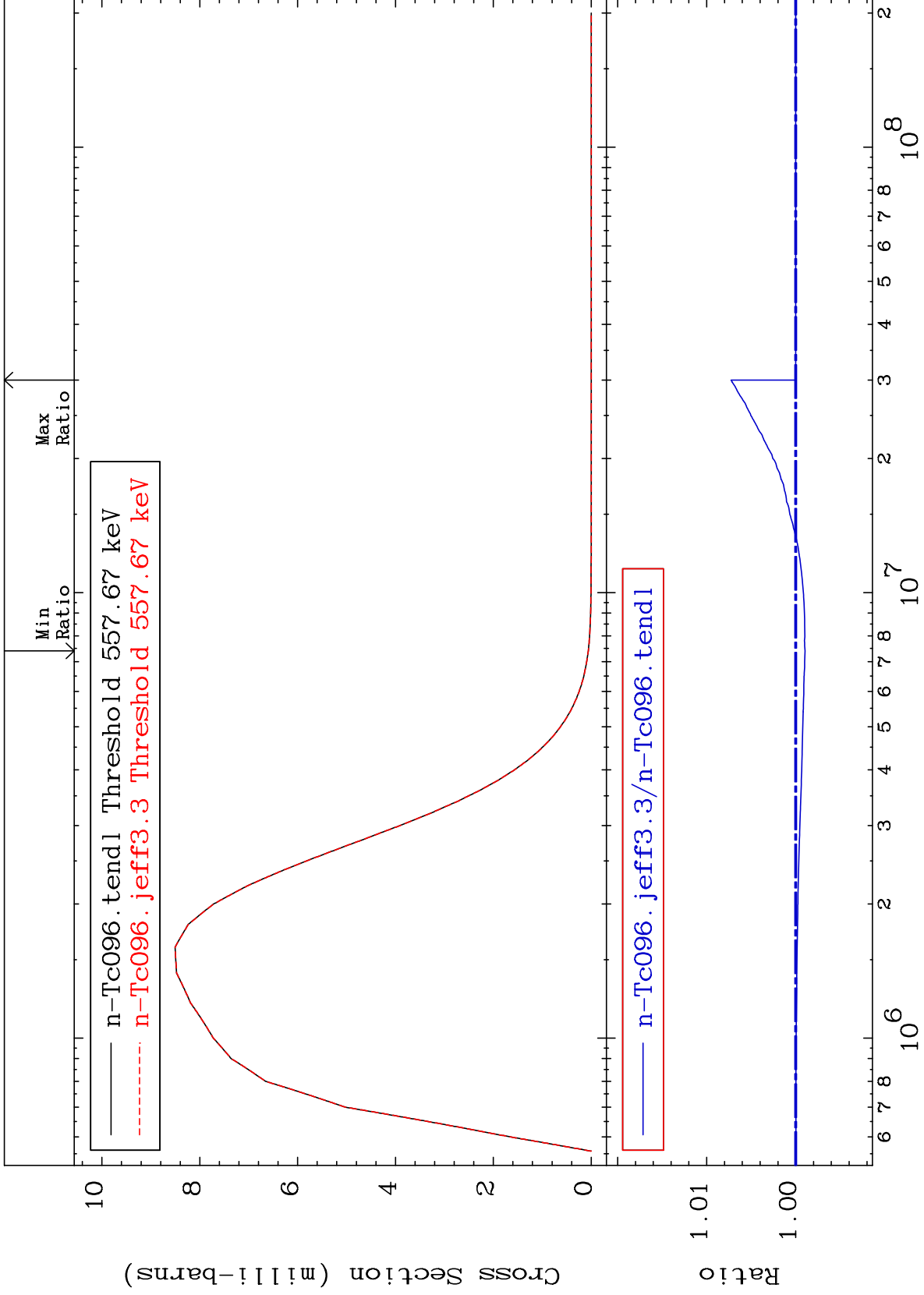
41

43-Tc-96

MAT 4316

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

43-Tc-96
-0.104 To 0.728 %



42

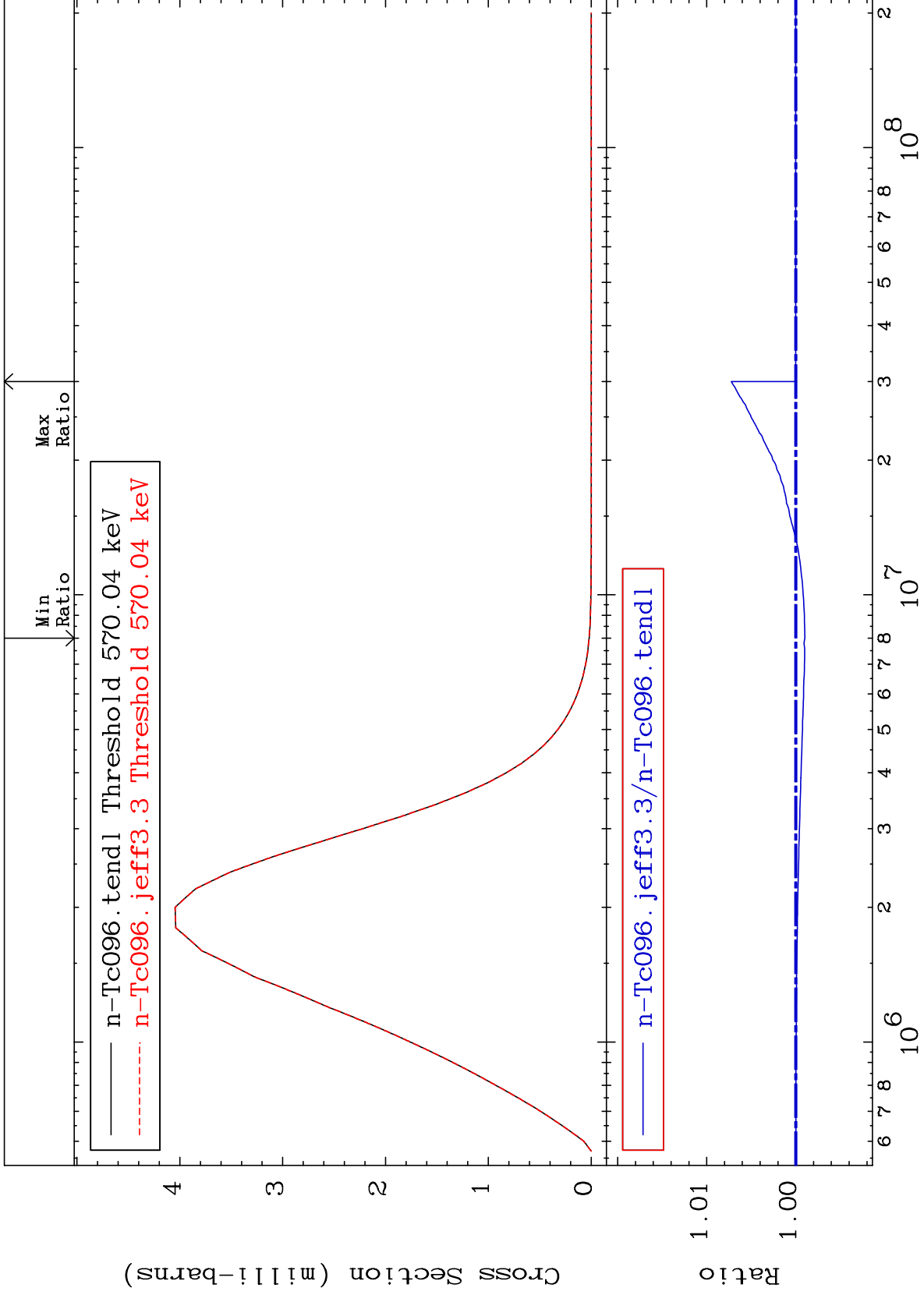
Incident Energy (eV)

43-Tc-96

MAT 4316

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

43-Tc-96
-0.101 To 0.726 %



43

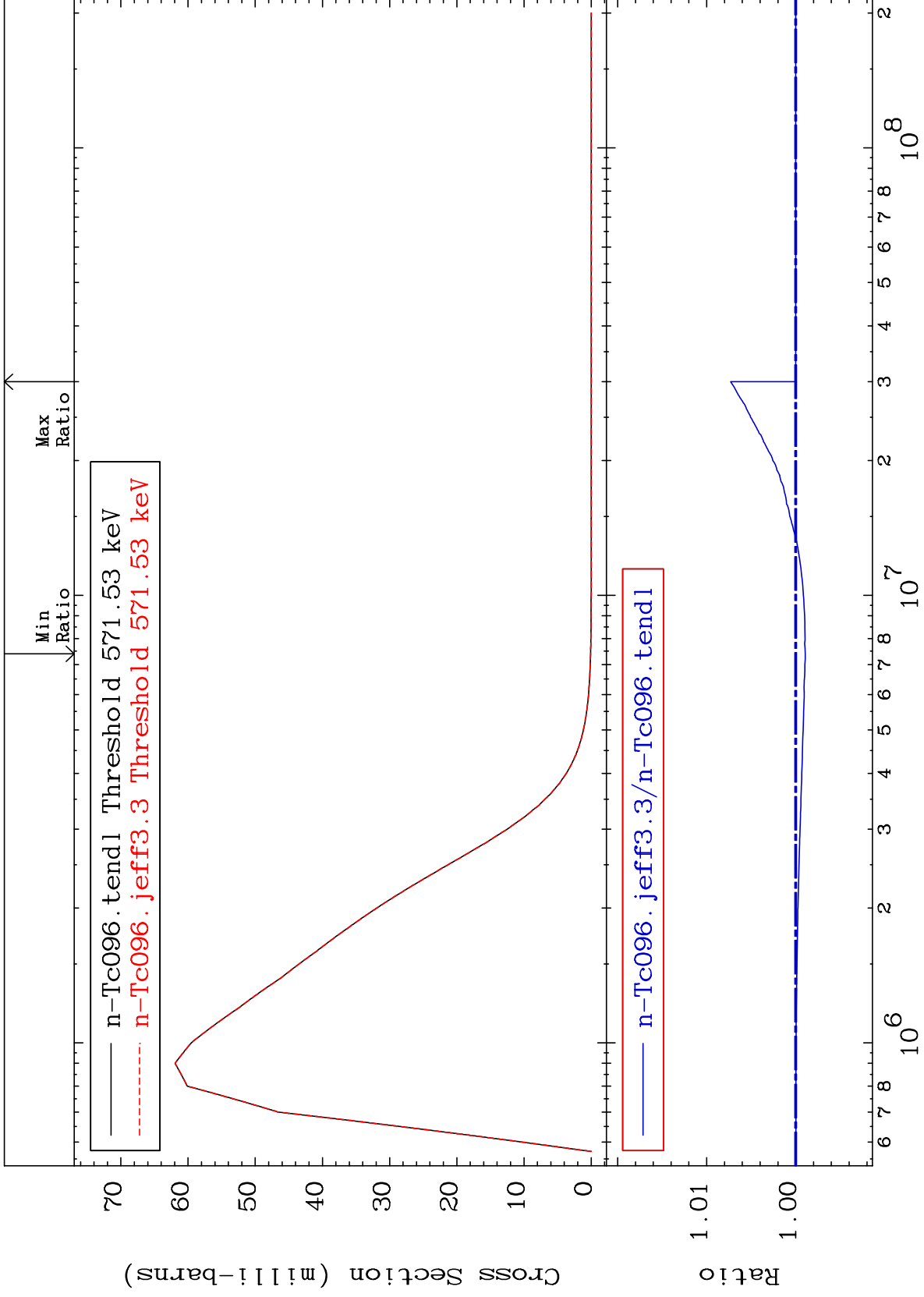
Incident Energy (eV)

43-Tc-96

MAT 4316

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

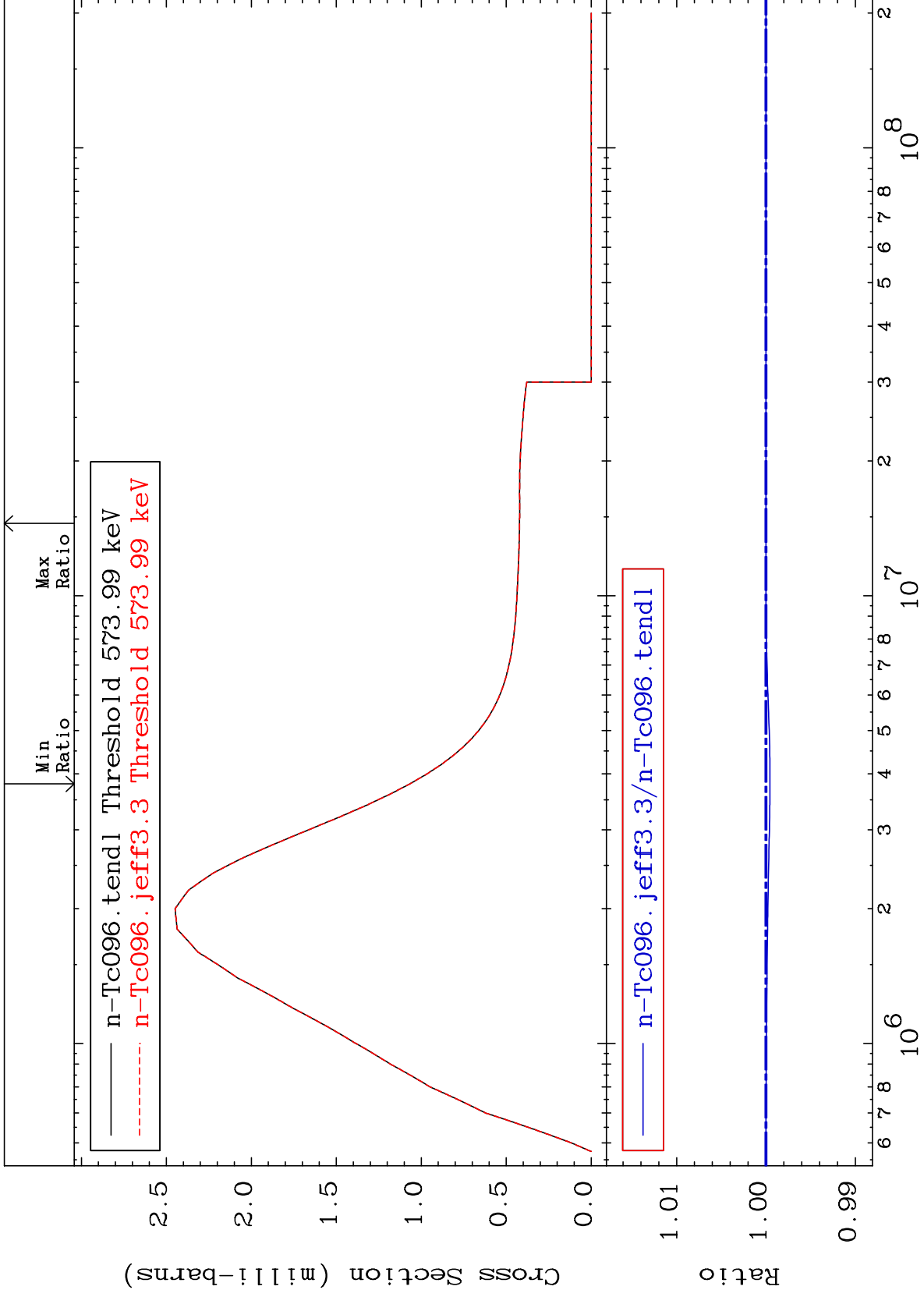
43-Tc-96
-0.107 To 0.730 %



MAT 4316

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

43-Tc-96
-0.045 To 0.000 %



45

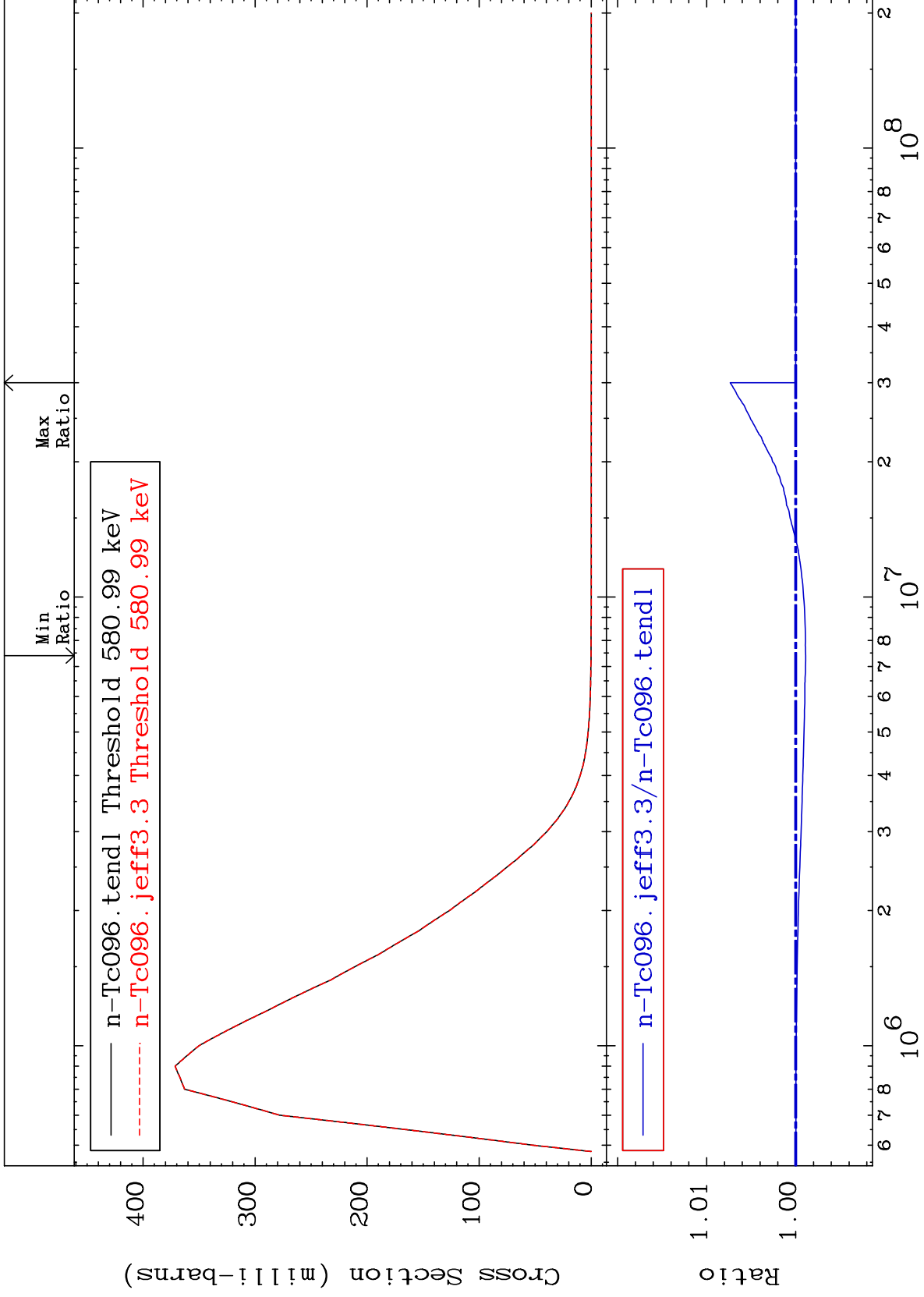
Incident Energy (eV)

43-Tc-96

MAT 4316

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

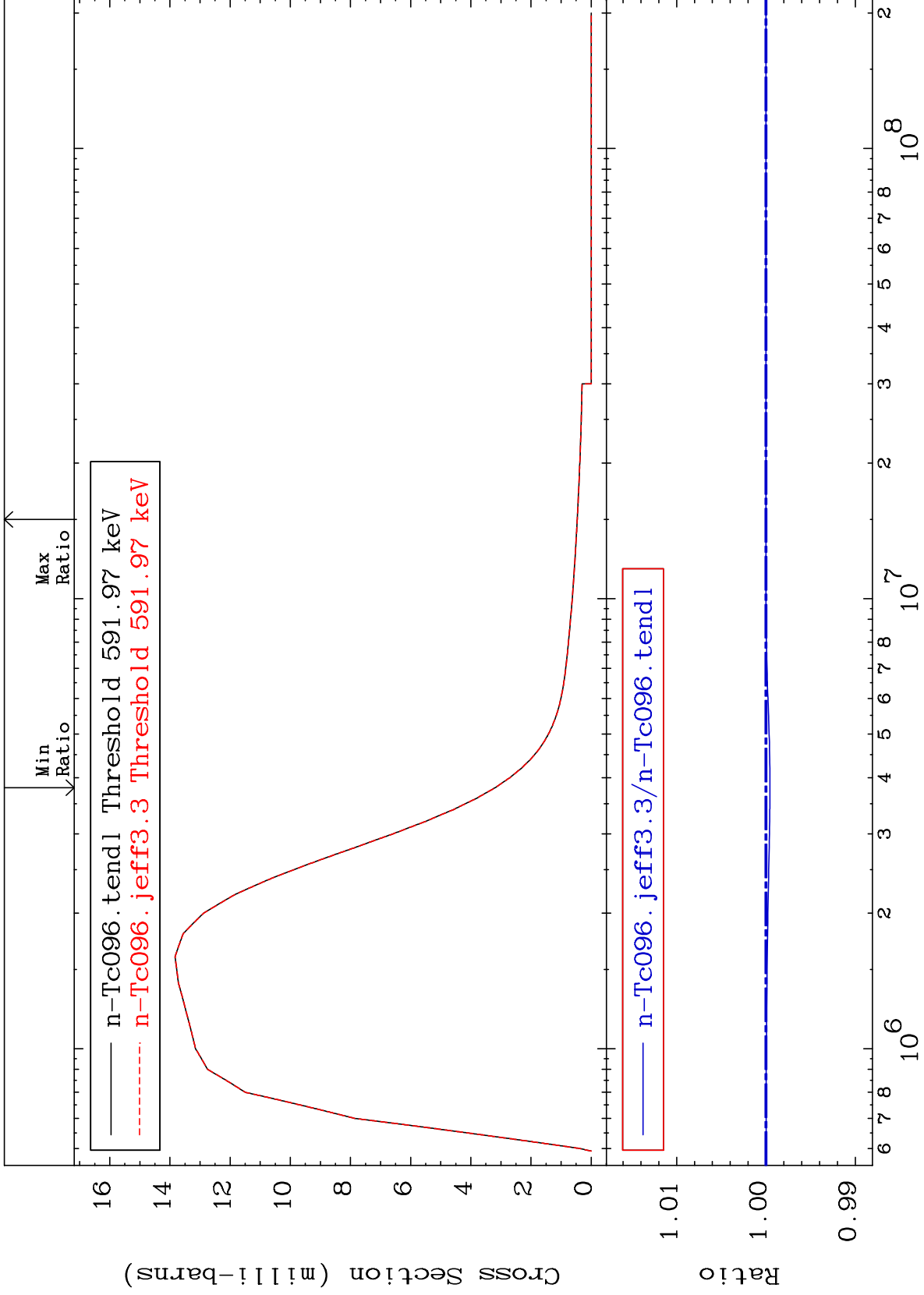
43-Tc-96
-0.113 To 0.736 %



MAT 4316

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

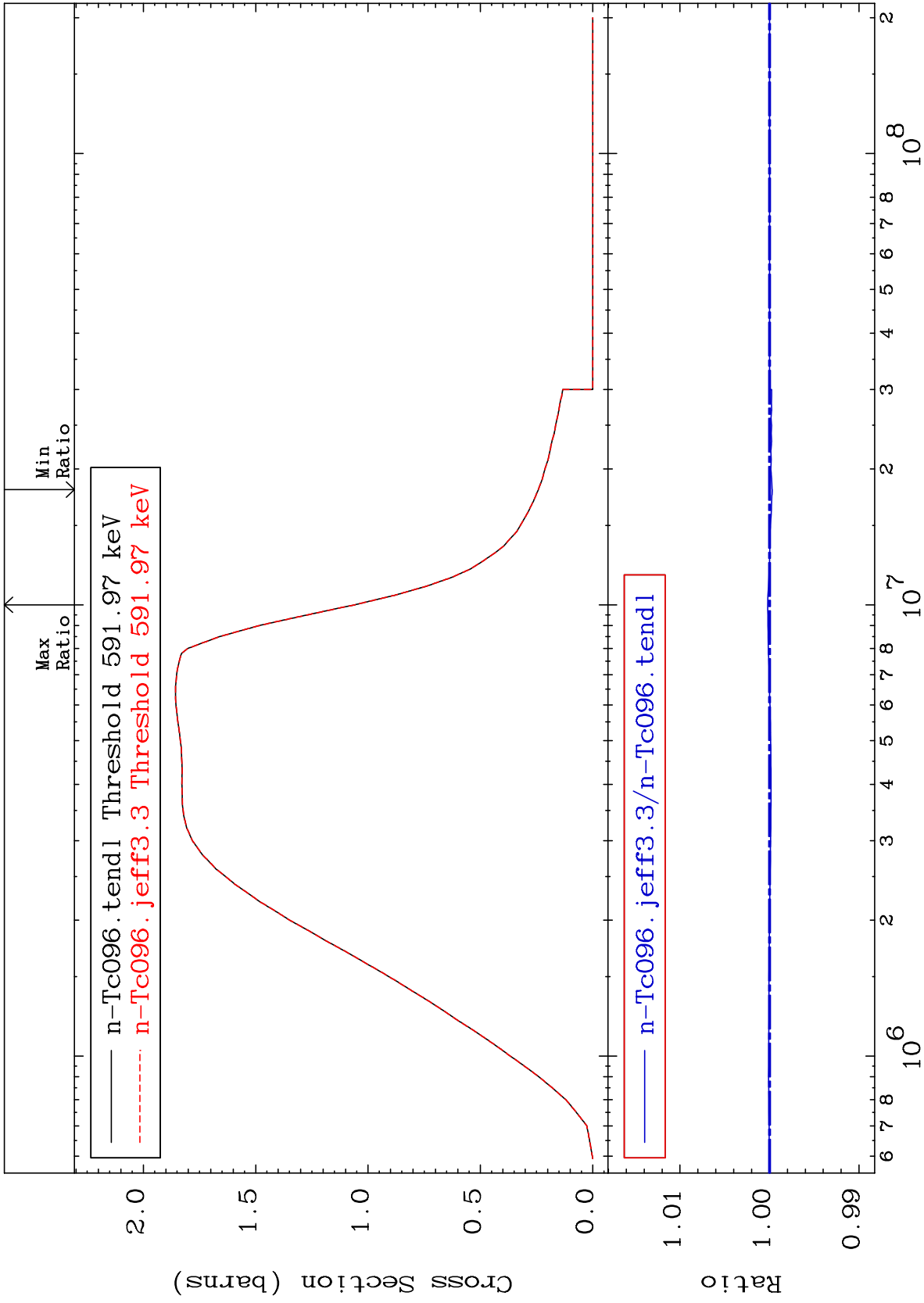
43-Tc-96
-0.044 To 0.000 %

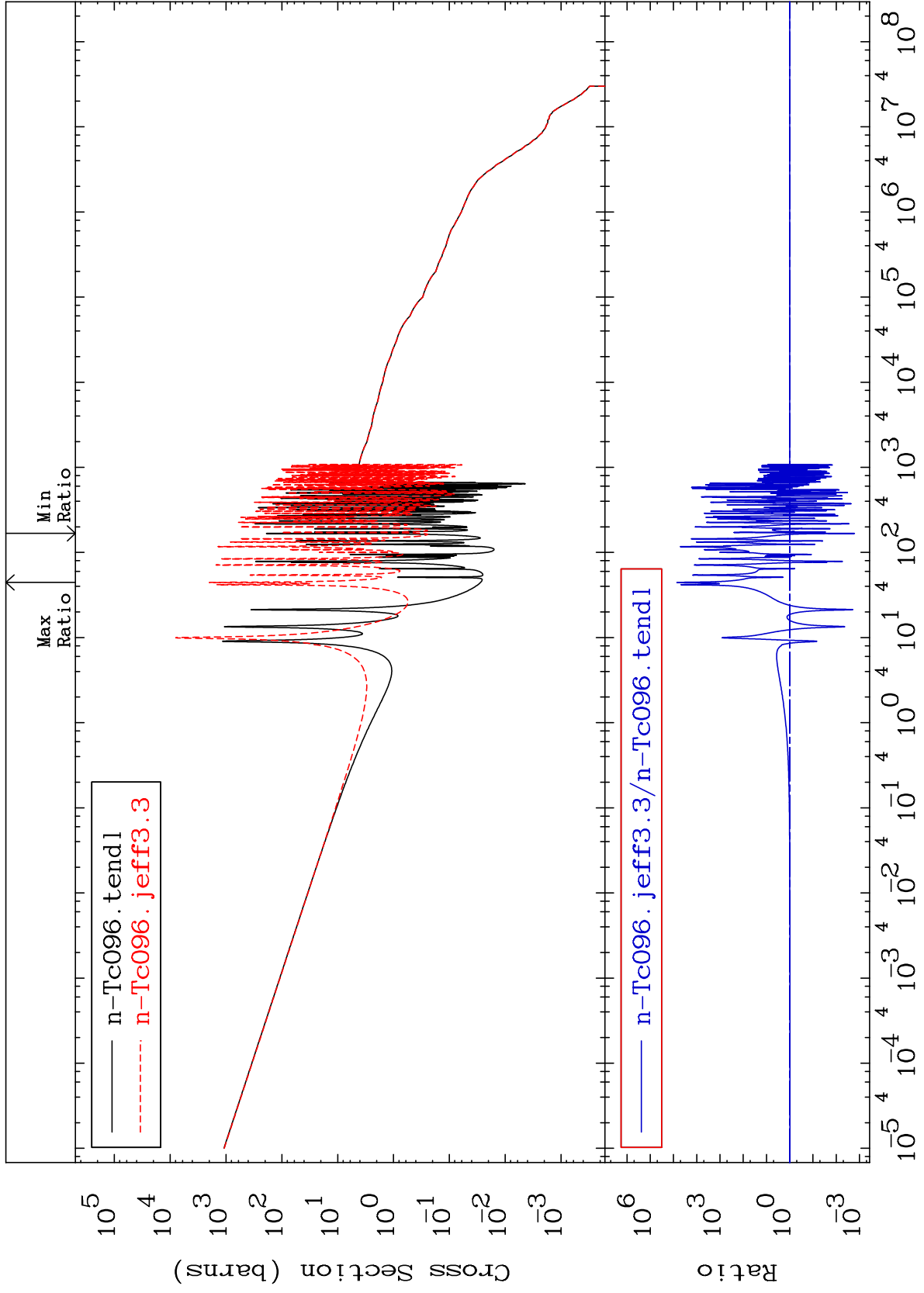


47

Incident Energy (eV)

43-Tc-96



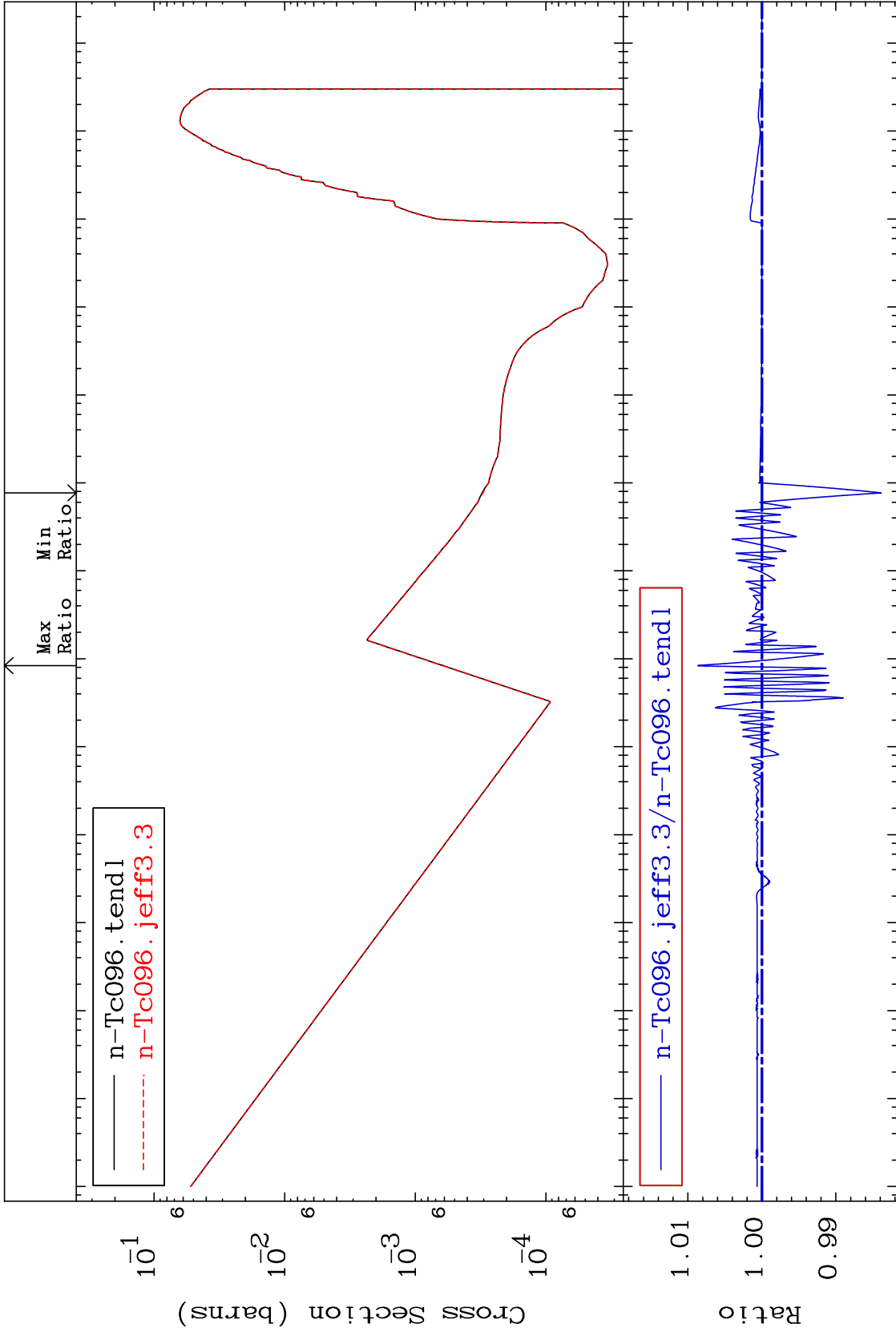


MAT 4316

43-Tc-96

-1.612 To 0.870 %

(n,p)
Cross Section



50

Incident Energy (eV)

43-Tc-96

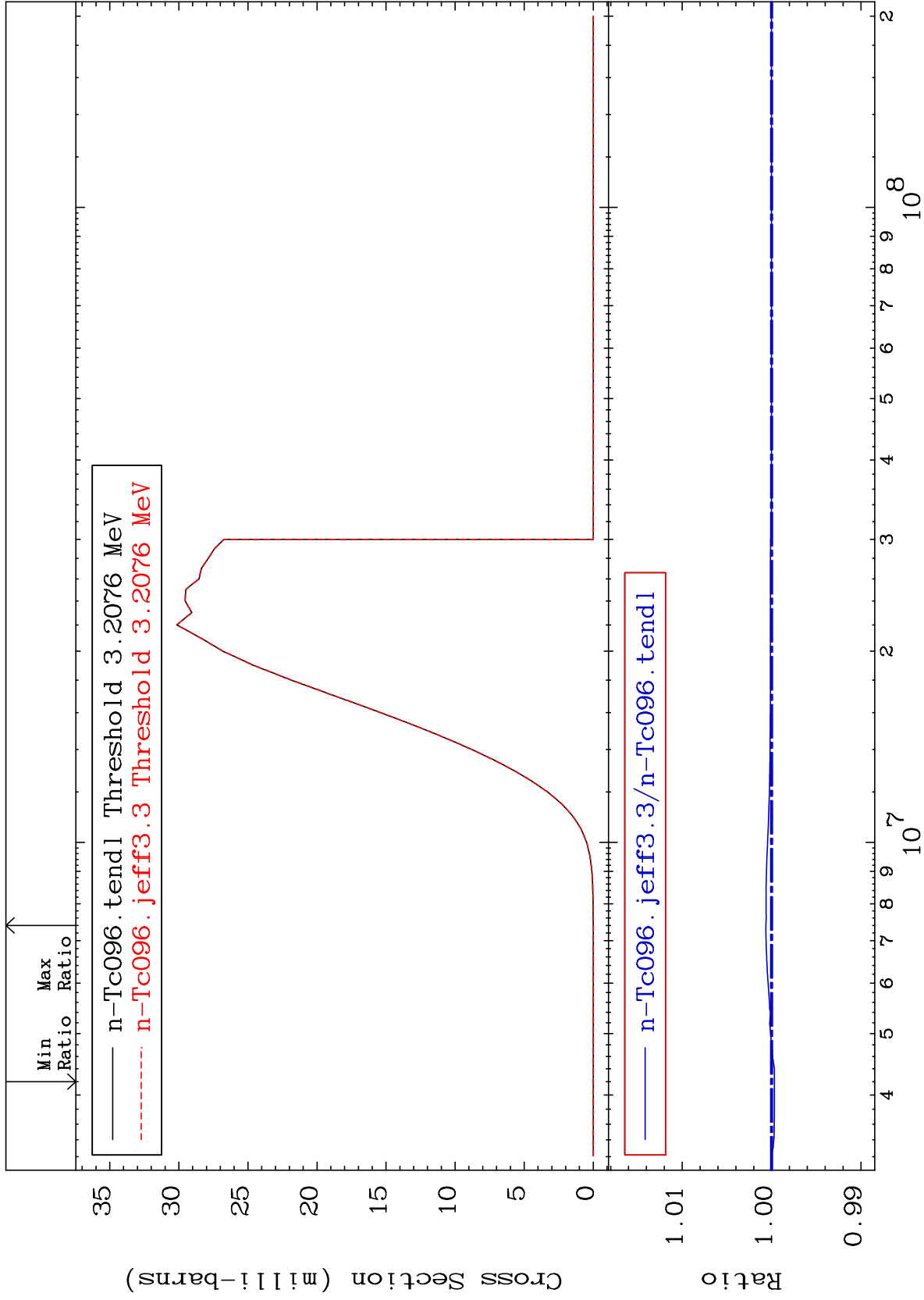
MAT 4316

(n, d)

43-Tc-96

Cross Section

-0.032 To 0.064 %



51

Incident Energy (eV)

43-Tc-96

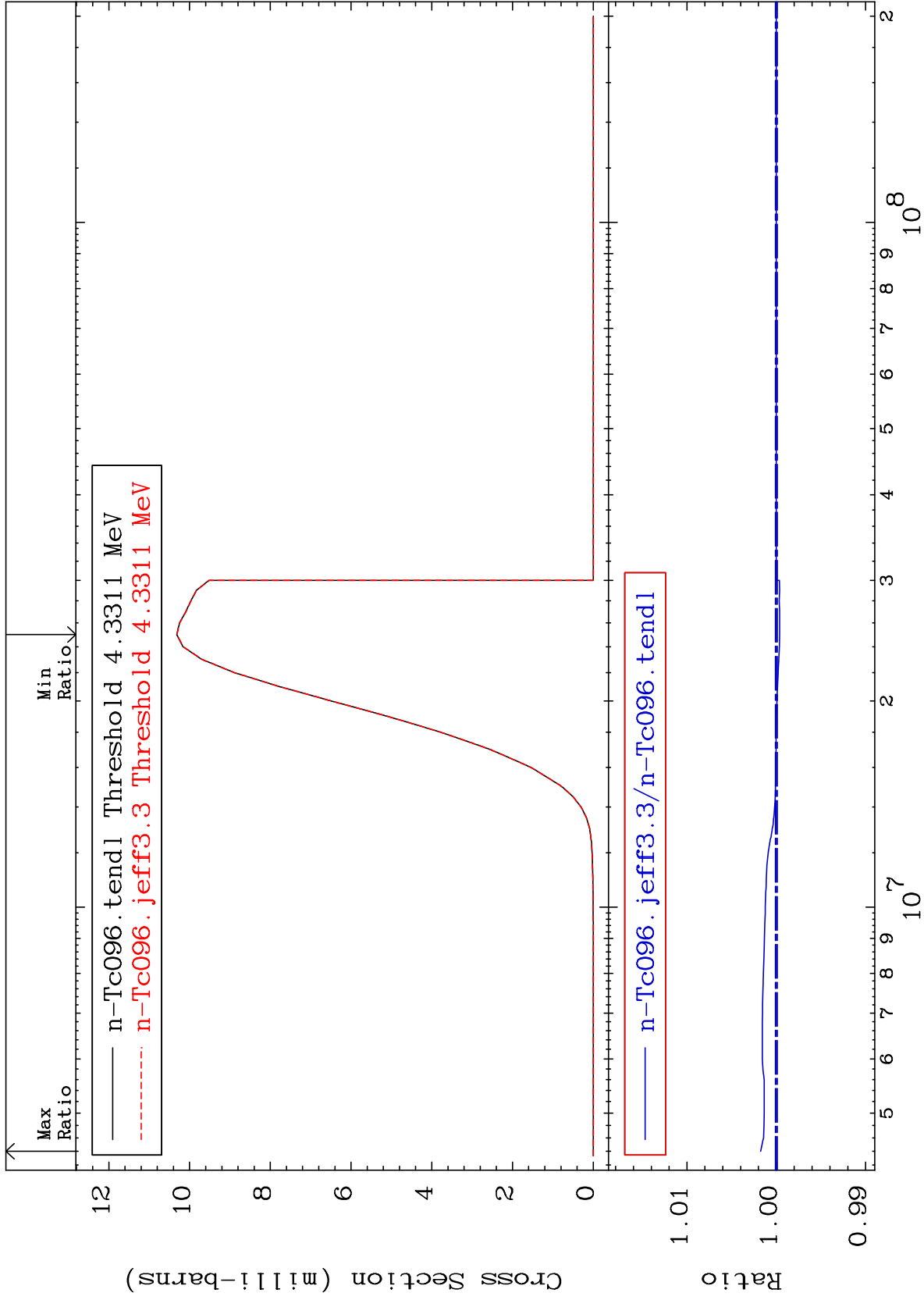
MAT 4316

(n, t)

43-Tc-96

Cross Section

-0.038 To 0.176 %



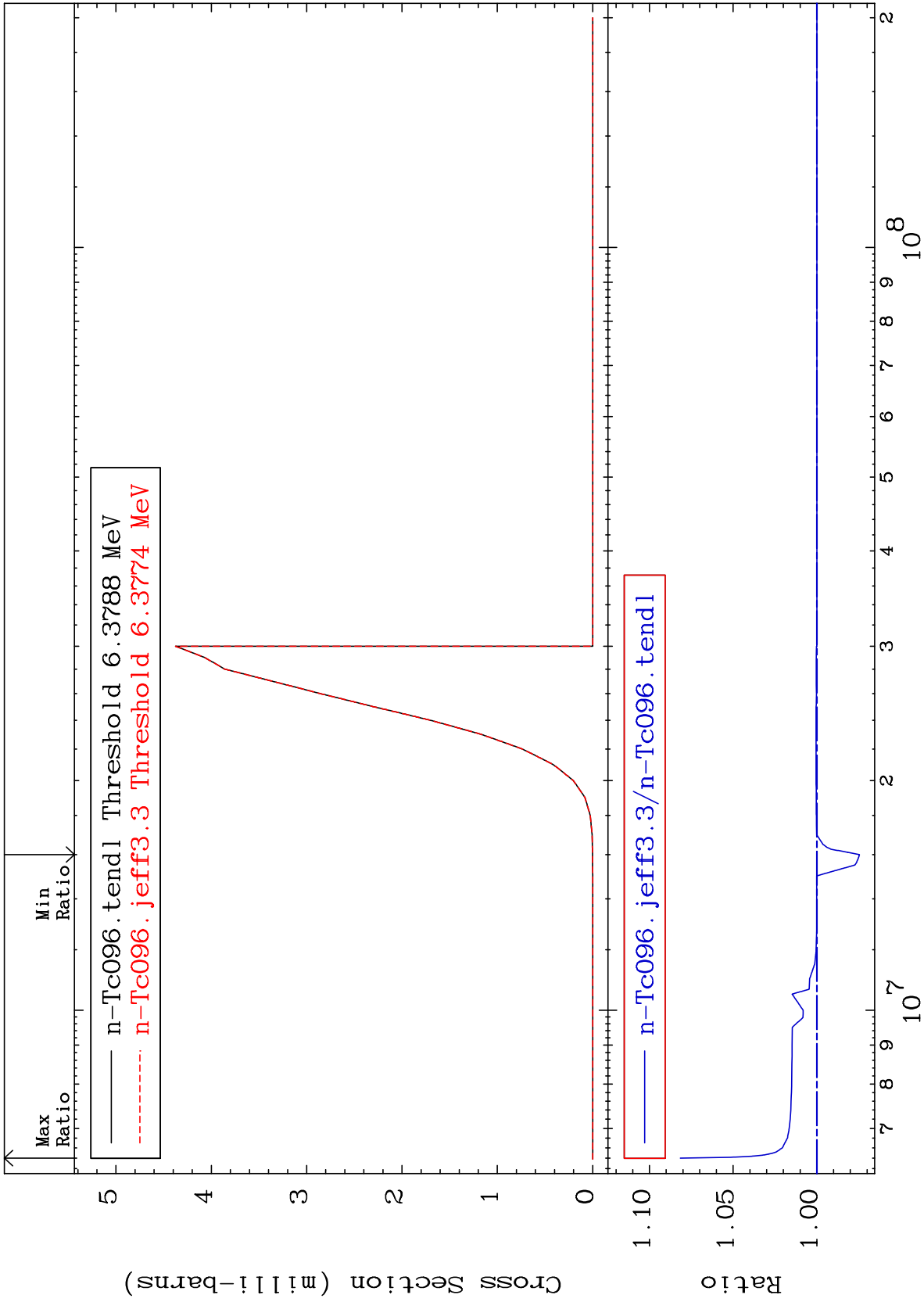
52

Incident Energy (eV)

43-Tc-96

Cross Section

-2.544 To 8.155 %



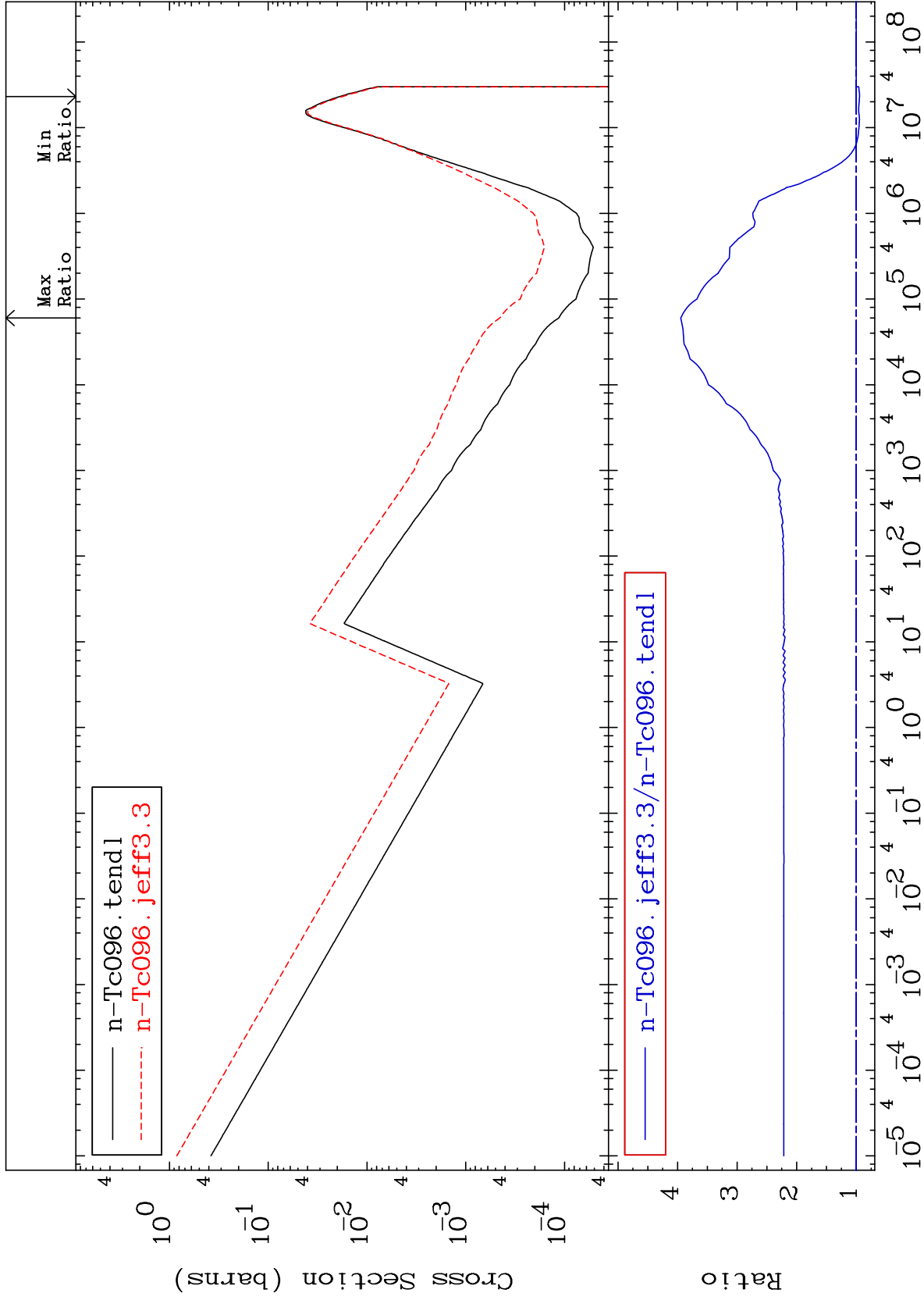
MAT 4316

(n, α)

43-Tc-96

Cross Section

-5.526 To 294.6 %



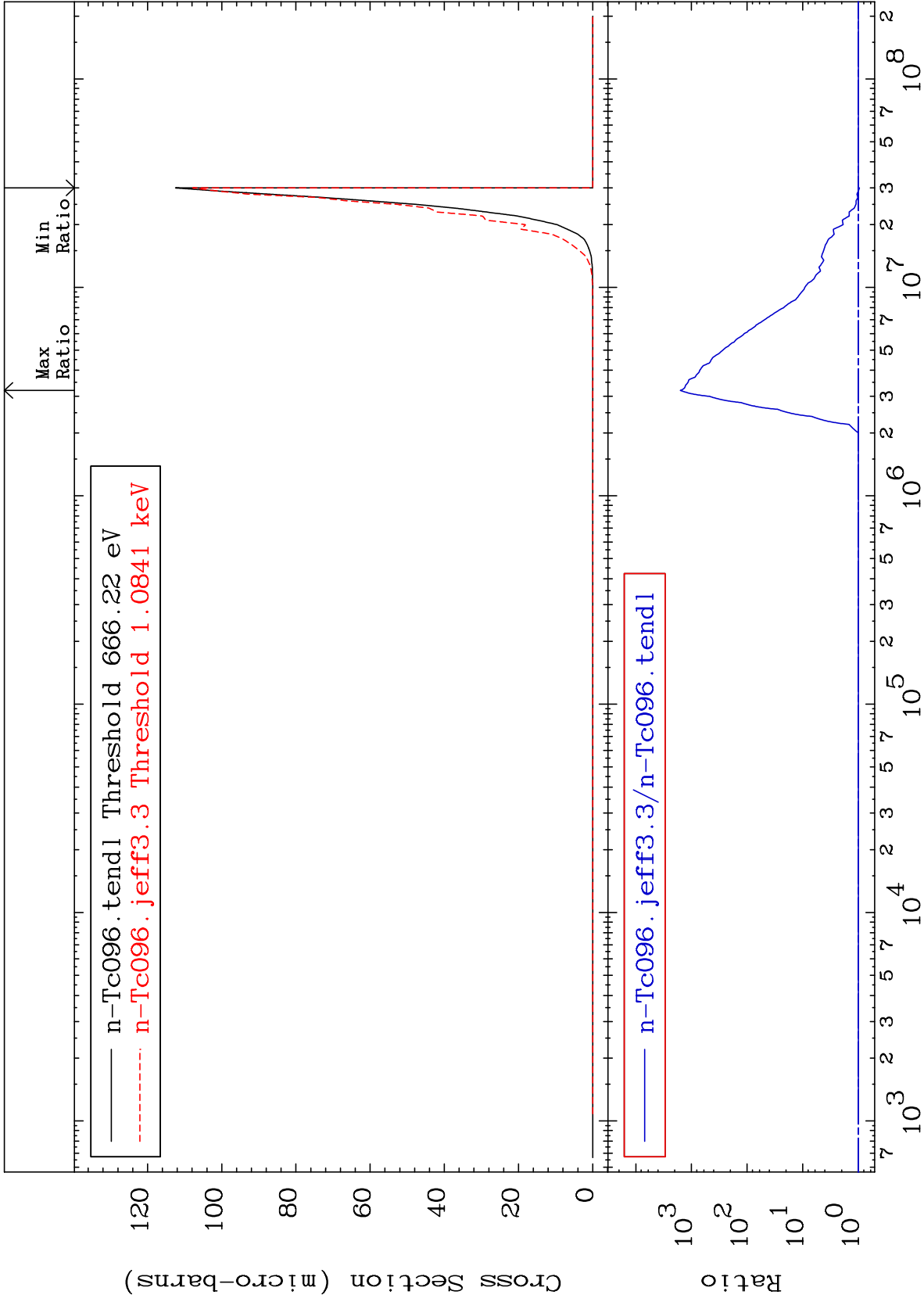
MAT 4316

(n,2α)

43-Tc-96

Cross Section

-4.172 To 9999. %



55

Incident Energy (eV)

43-Tc-96

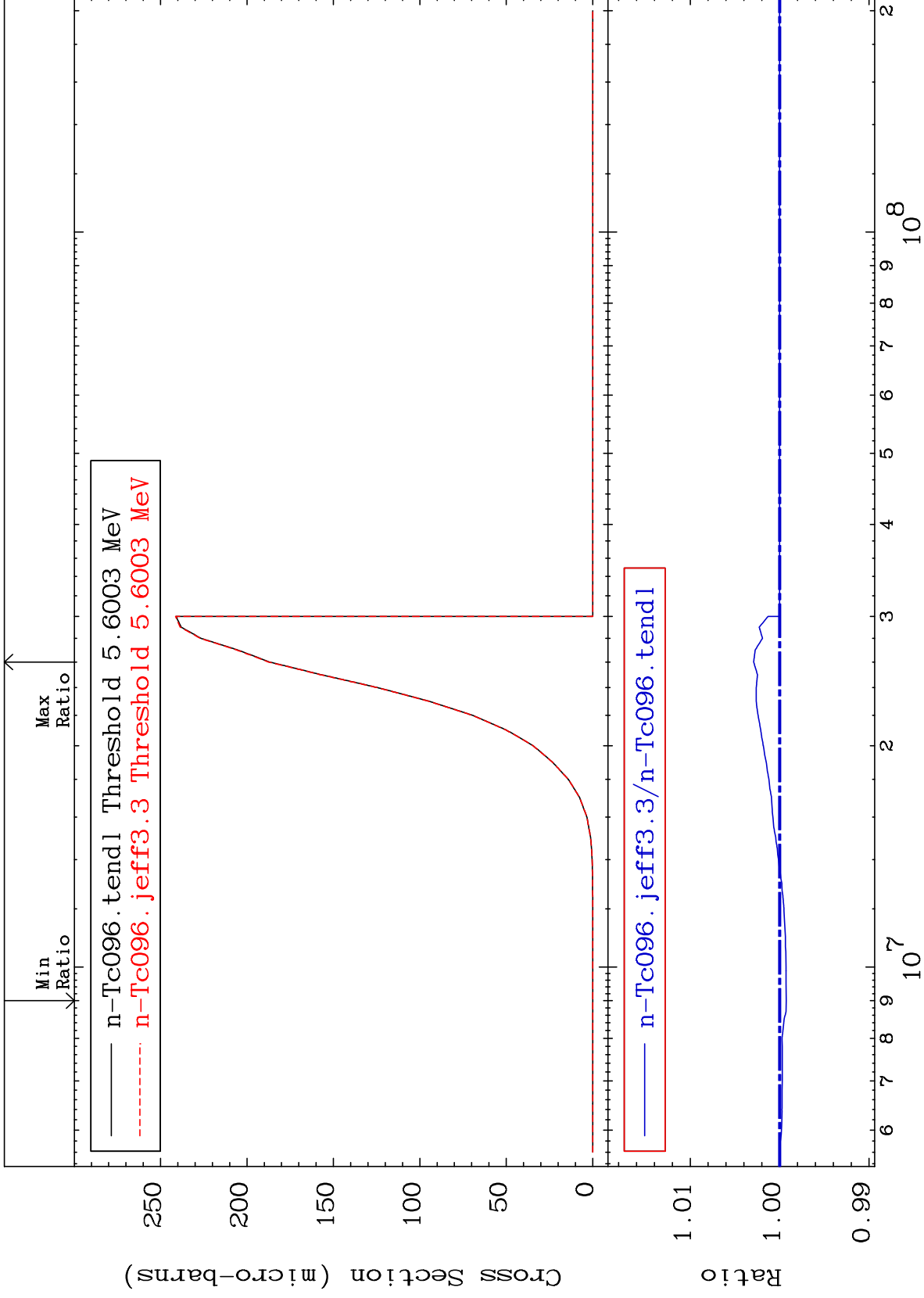
MAT 4316

(n,2p)

43-Tc-96

Cross Section

-0.073 To 0.291 %



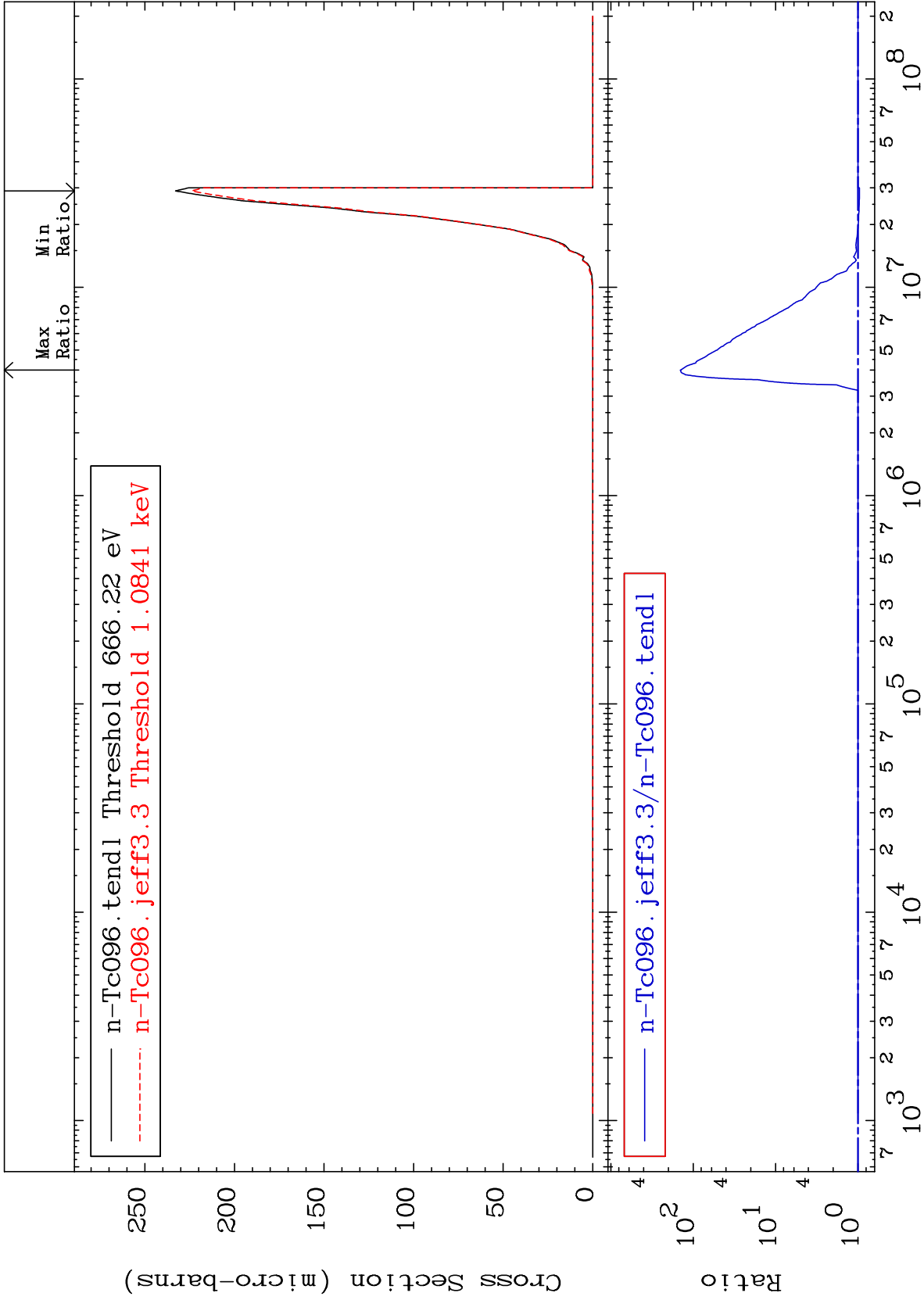
56

Incident Energy (eV)

43-Tc-96

Cross Section

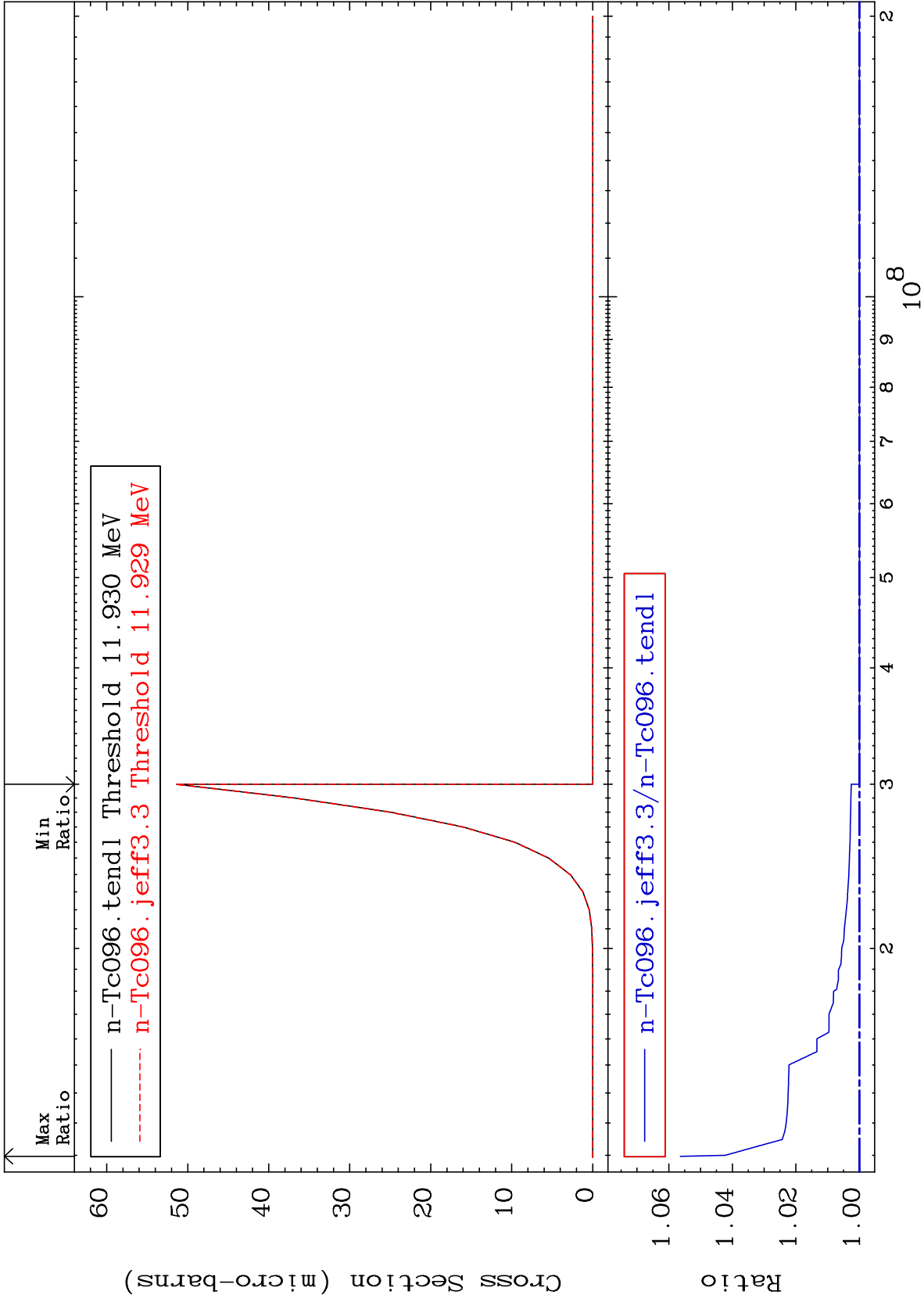
-3.873 To 9999. %



MAT 4316

(n,p) d
Cross Section

43-Tc-96
0.000 To 5.636 %



MAT 4316

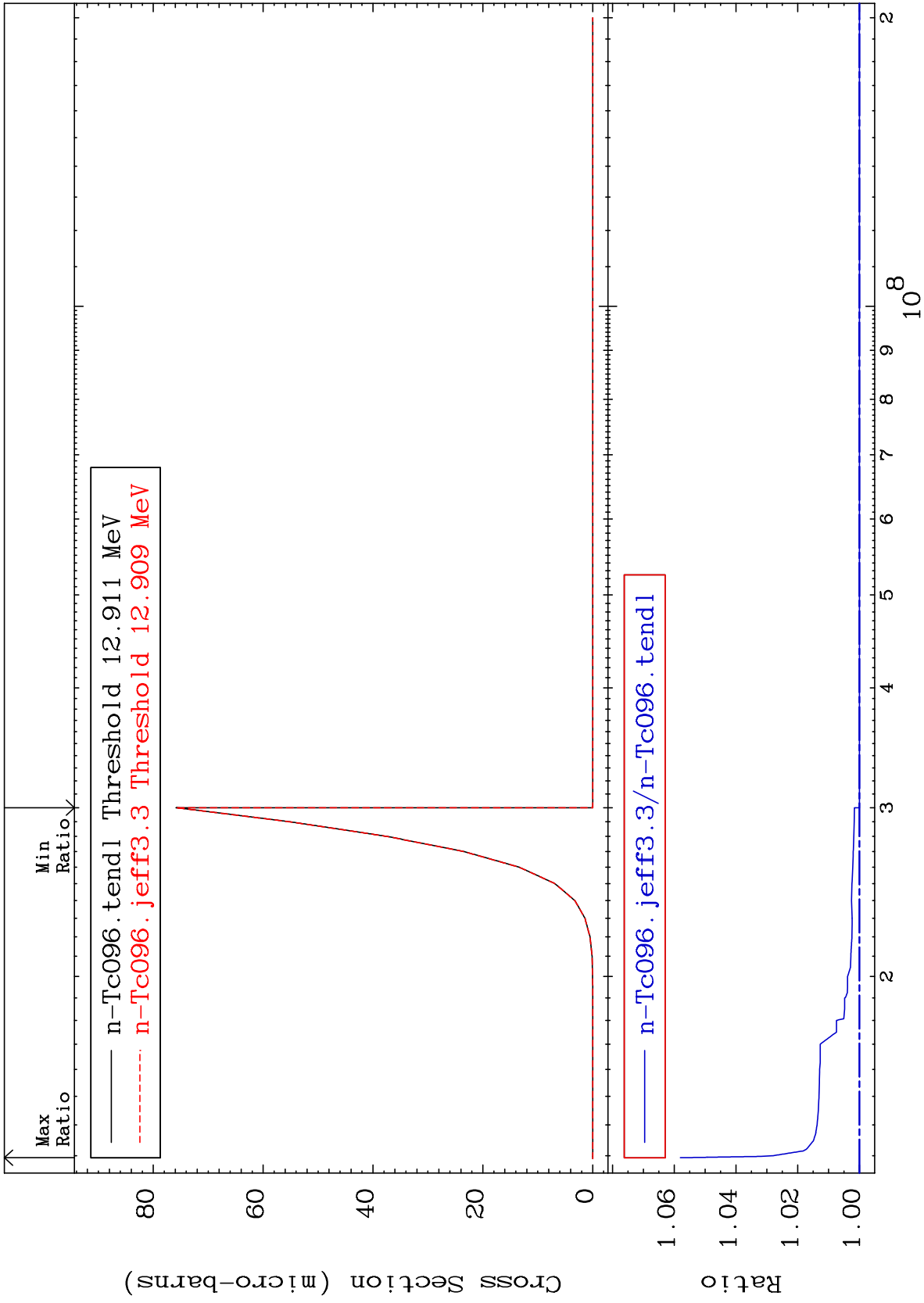
(n, p) t

43-Tc-96

Cross Section

0.000

To 5.801 %



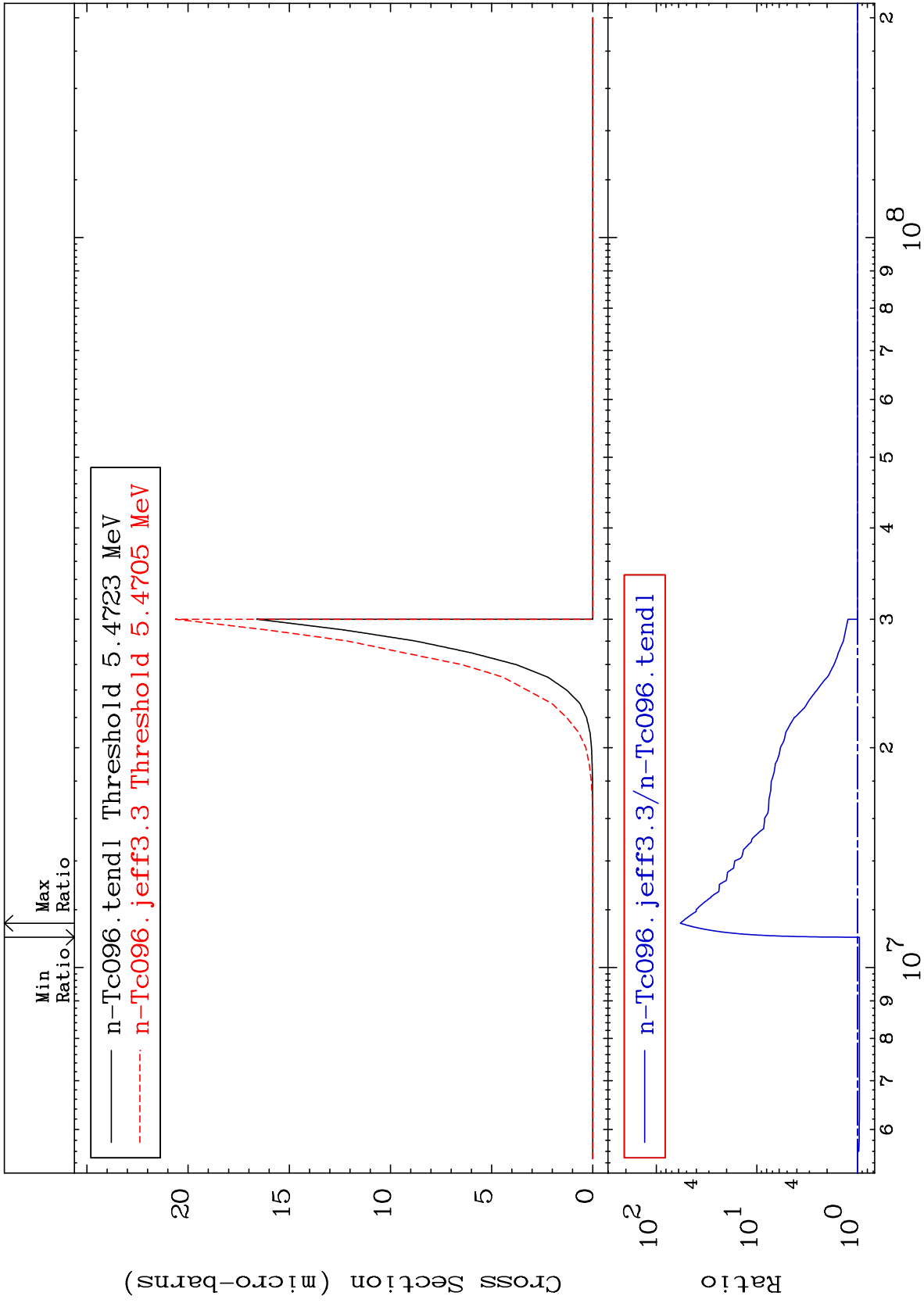
MAT 4316

(n, d) α

⁴³Tc-96

Cross Section

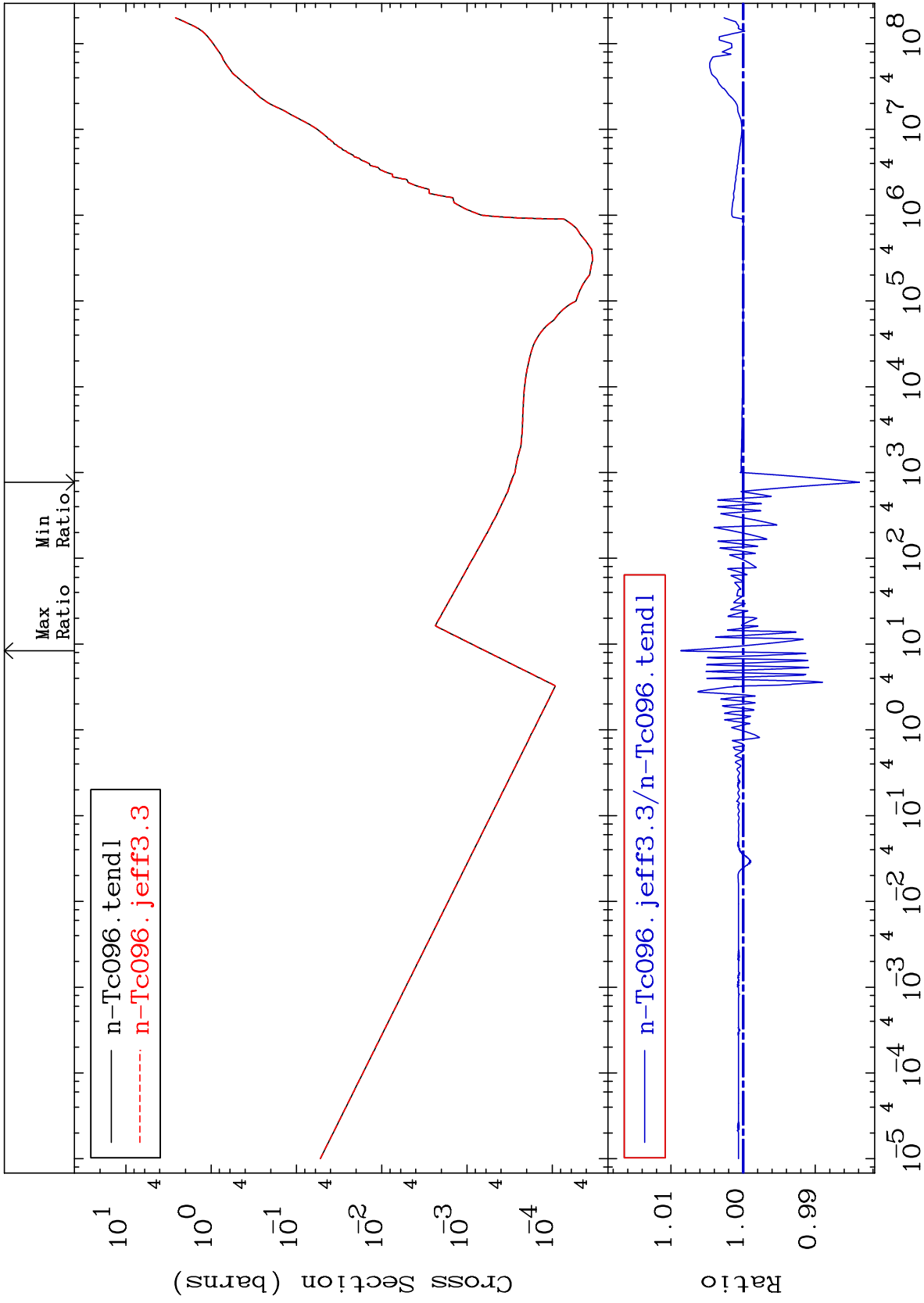
-4.329 To 5658. %



60

Incident Energy (eV)

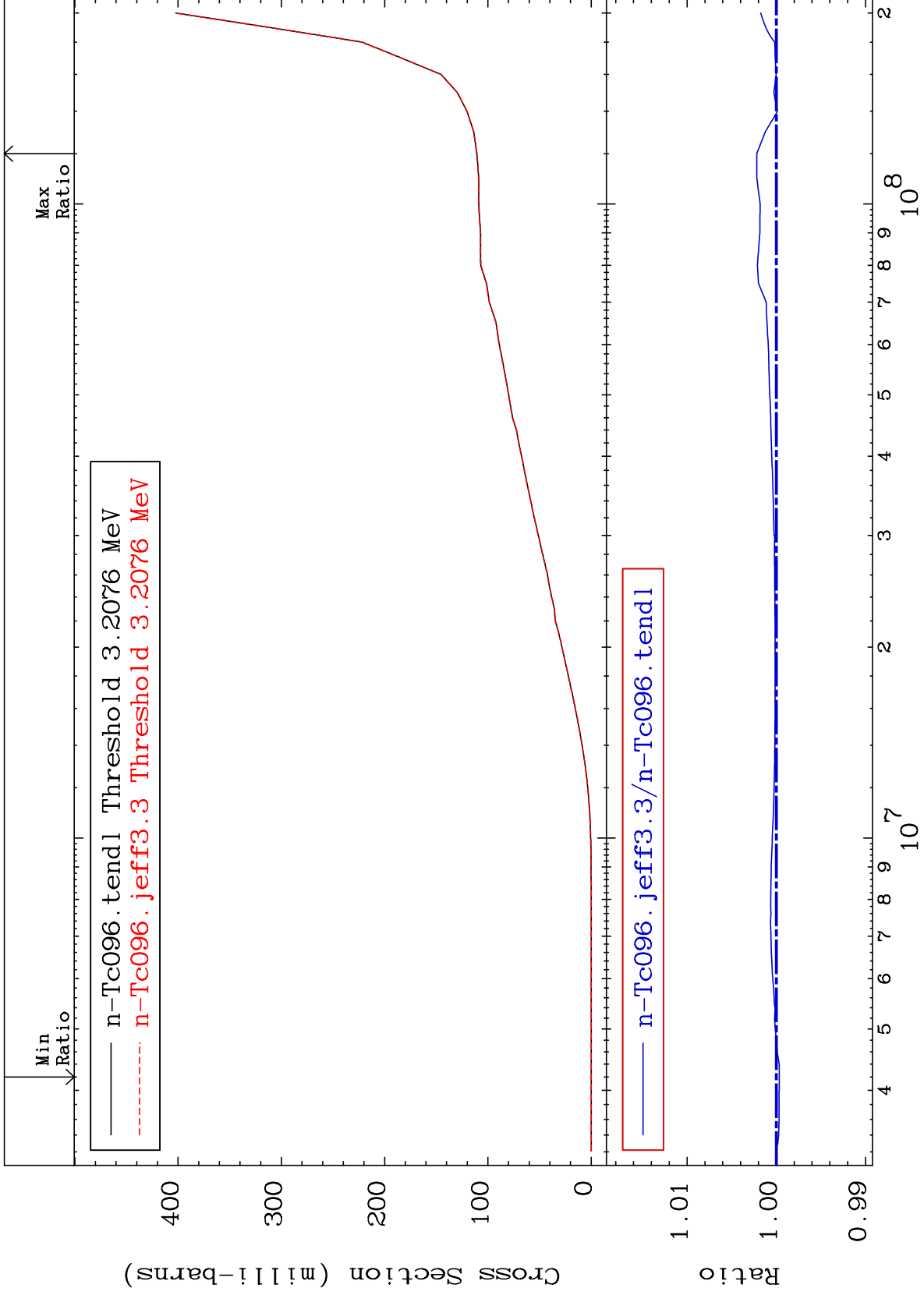
⁴³Tc-96



MAT 4316

Deuterium Production
Cross Section

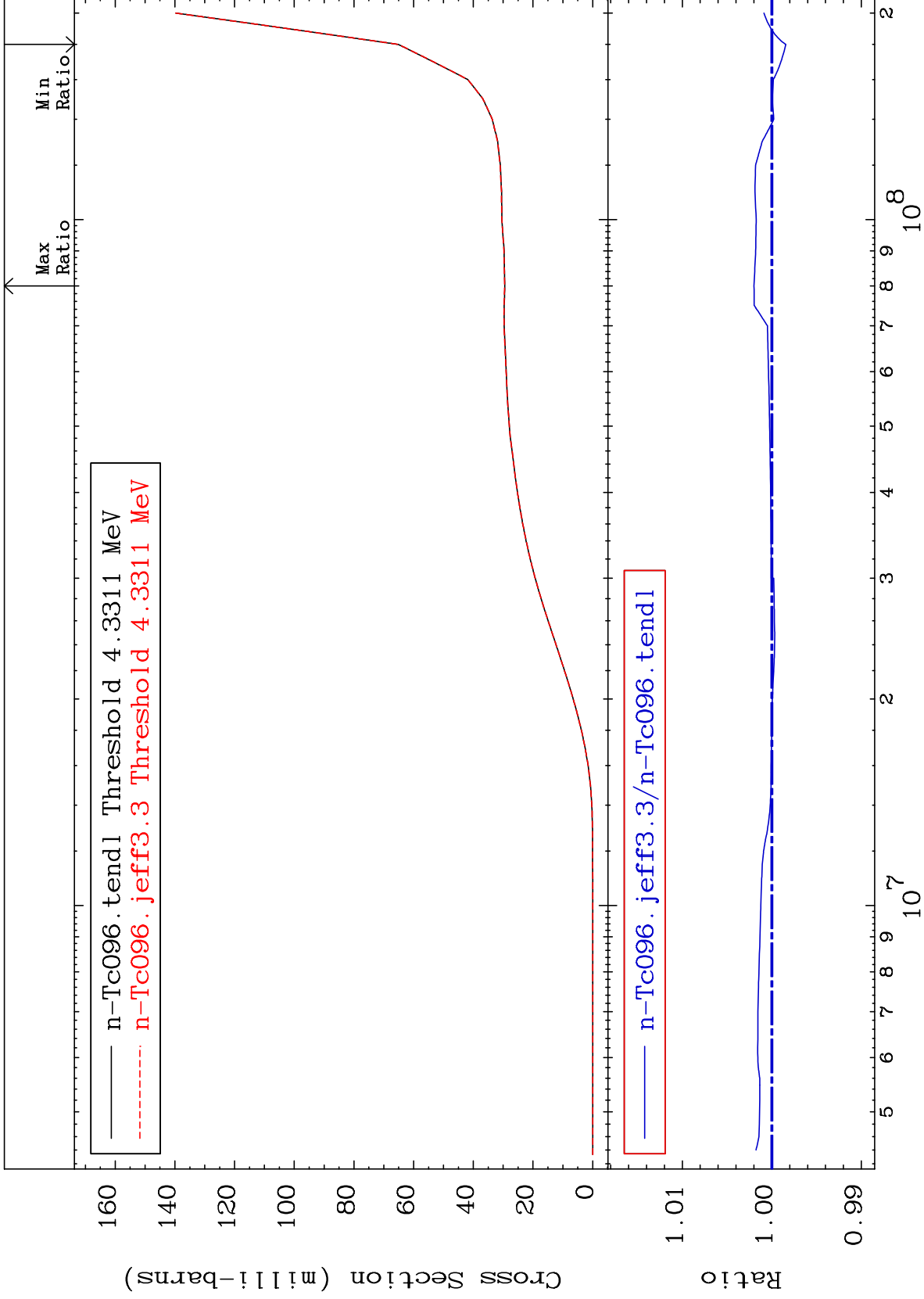
⁴³Tc-96
-0.032 To 0.220 %



MAT 4316

Tritium Production
Cross Section

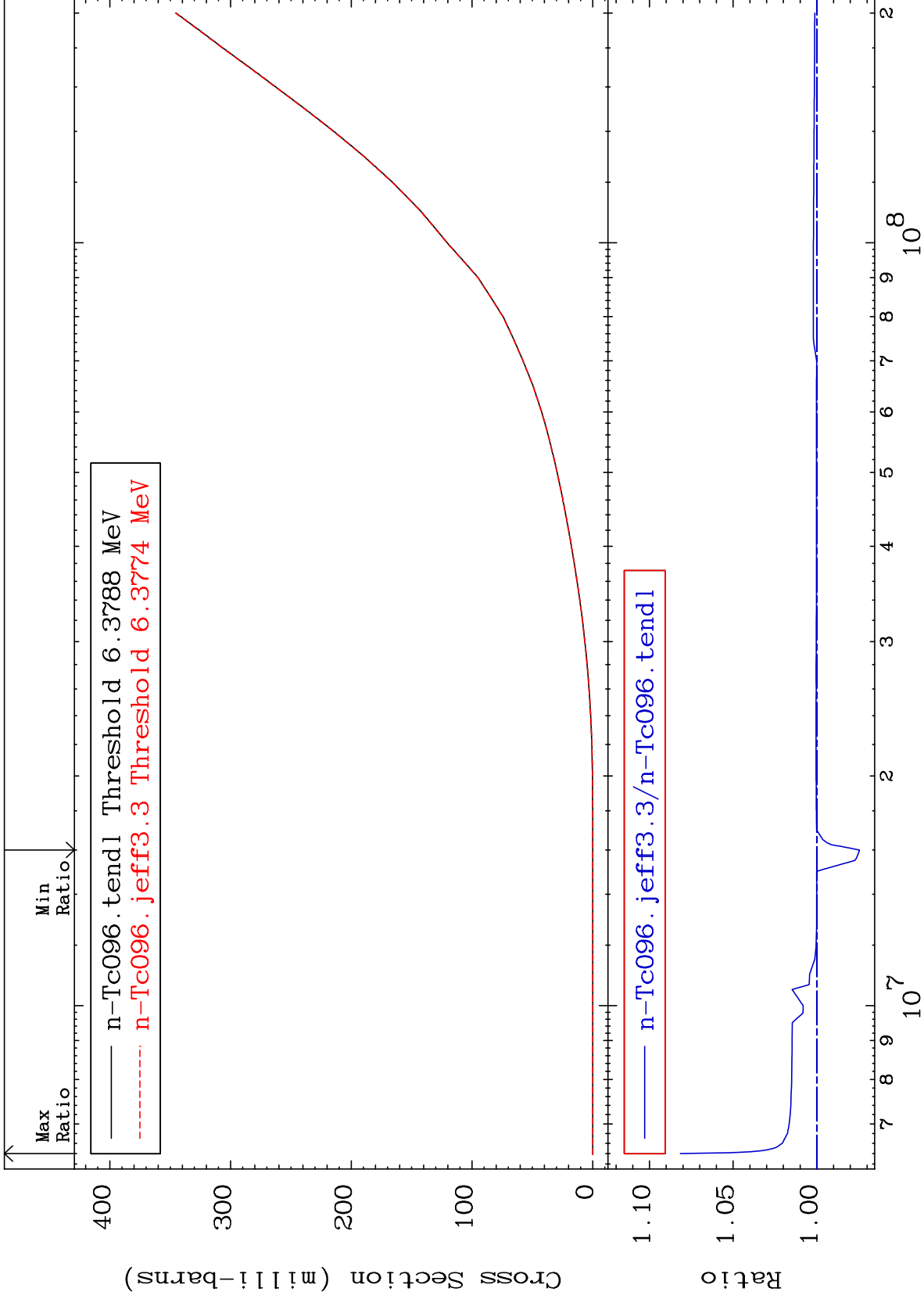
43-Tc-96
-0.156 To 0.199 %



MAT 4316

He-3 Production
Cross Section

43-Tc-96
-2.544 To 8.155 %



64

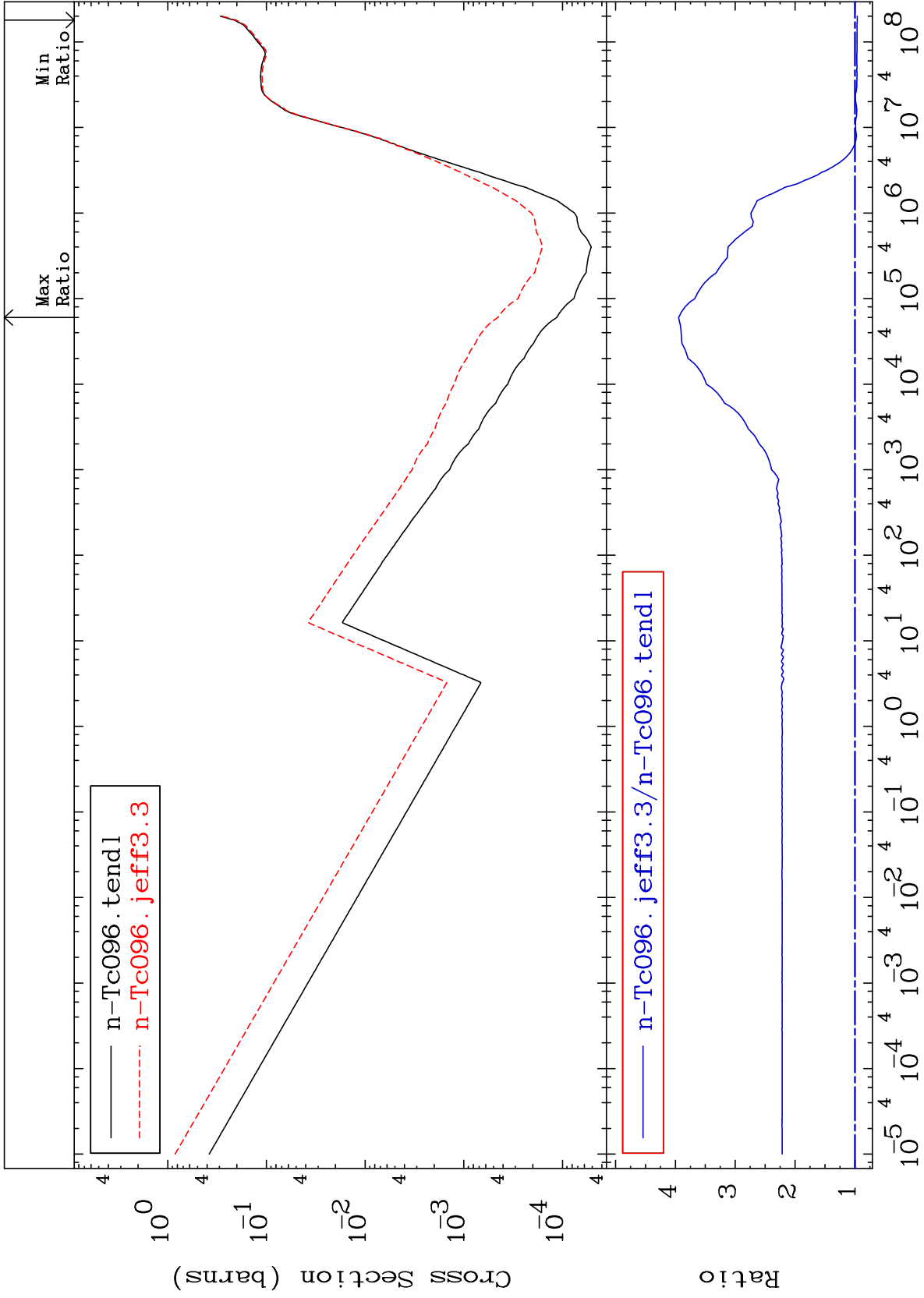
Incident Energy (eV)

43-Tc-96

MAT 4316

He-4 Production
Cross Section

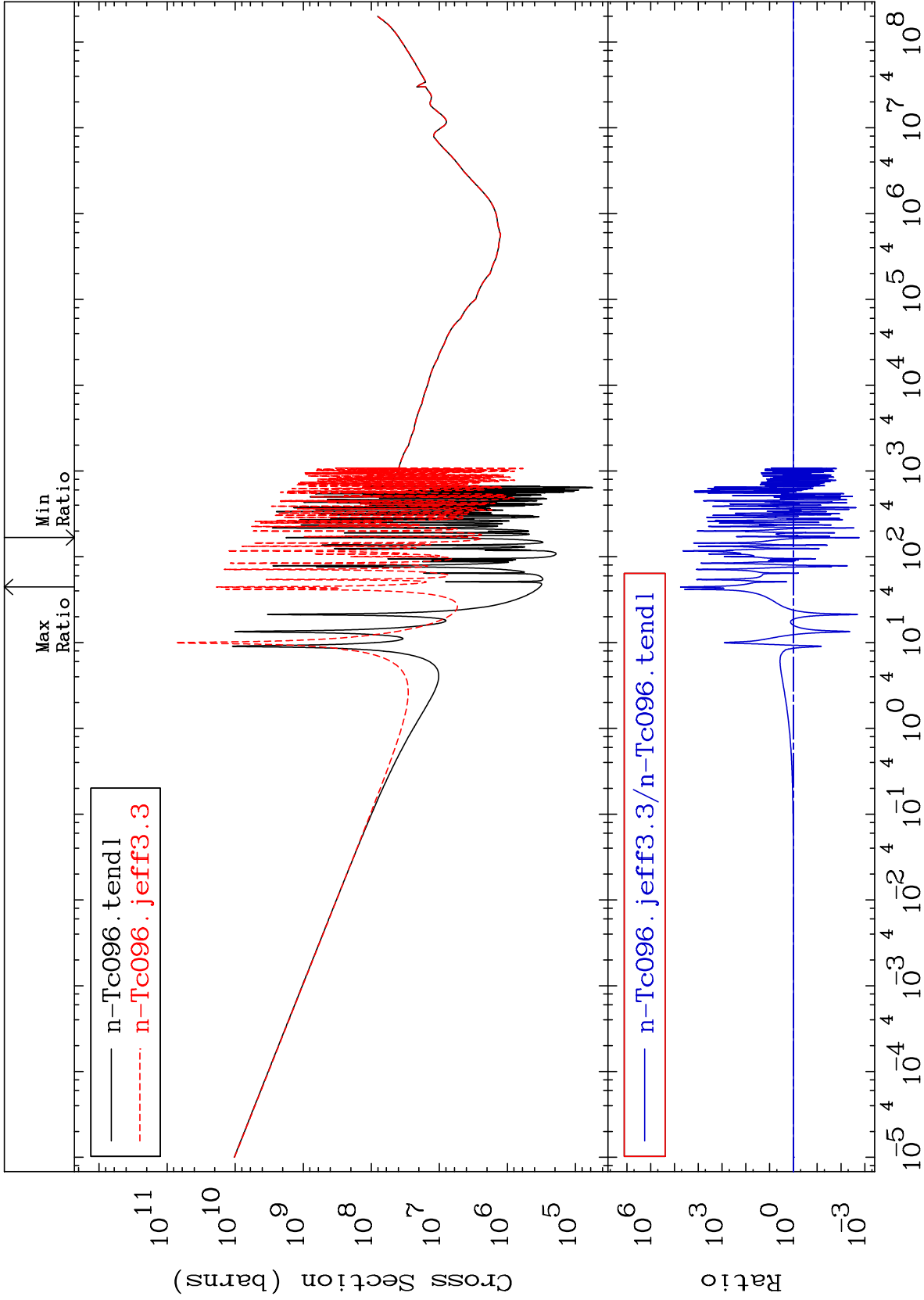
43-Tc-96
-3.935 To 294.6 %

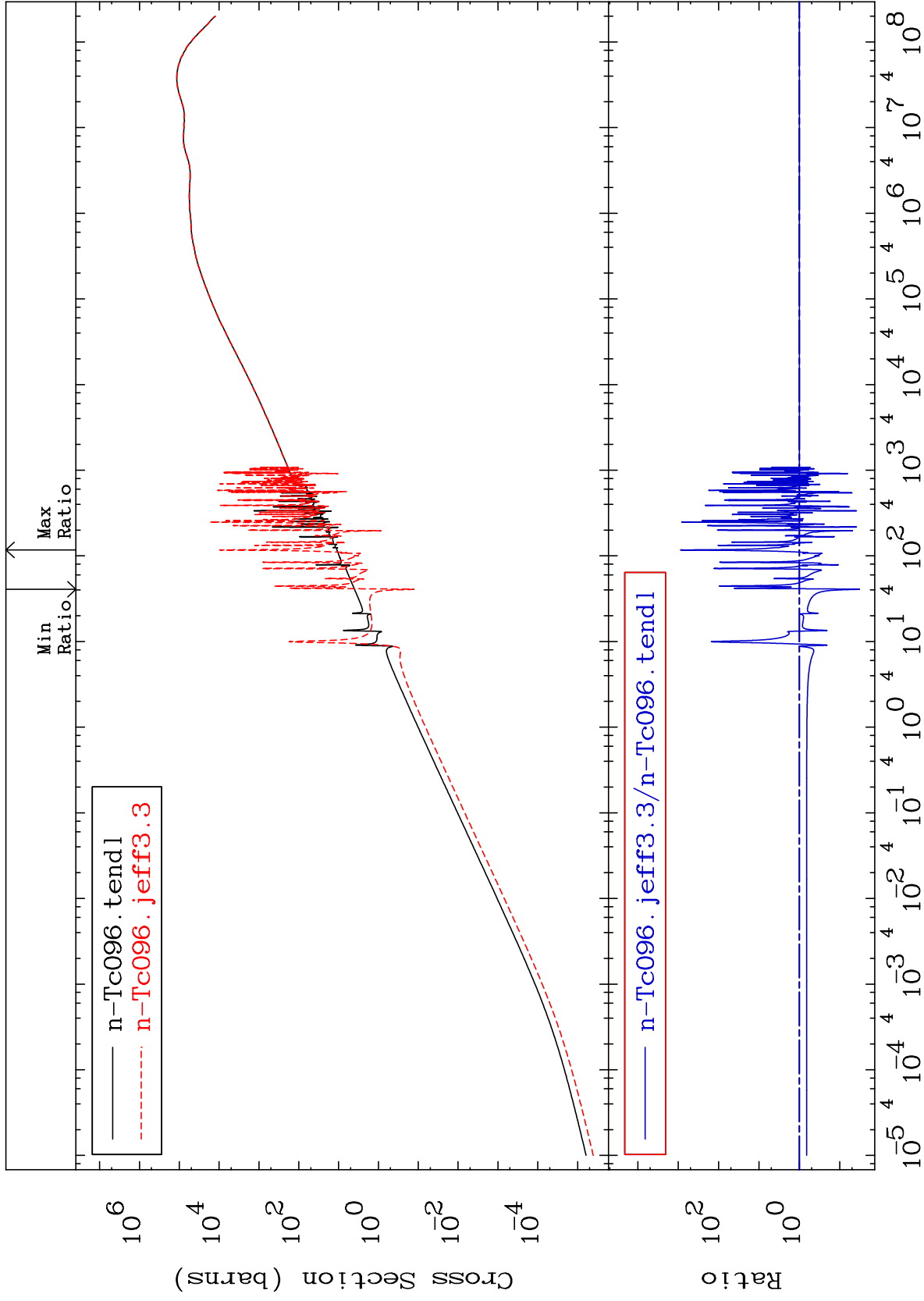


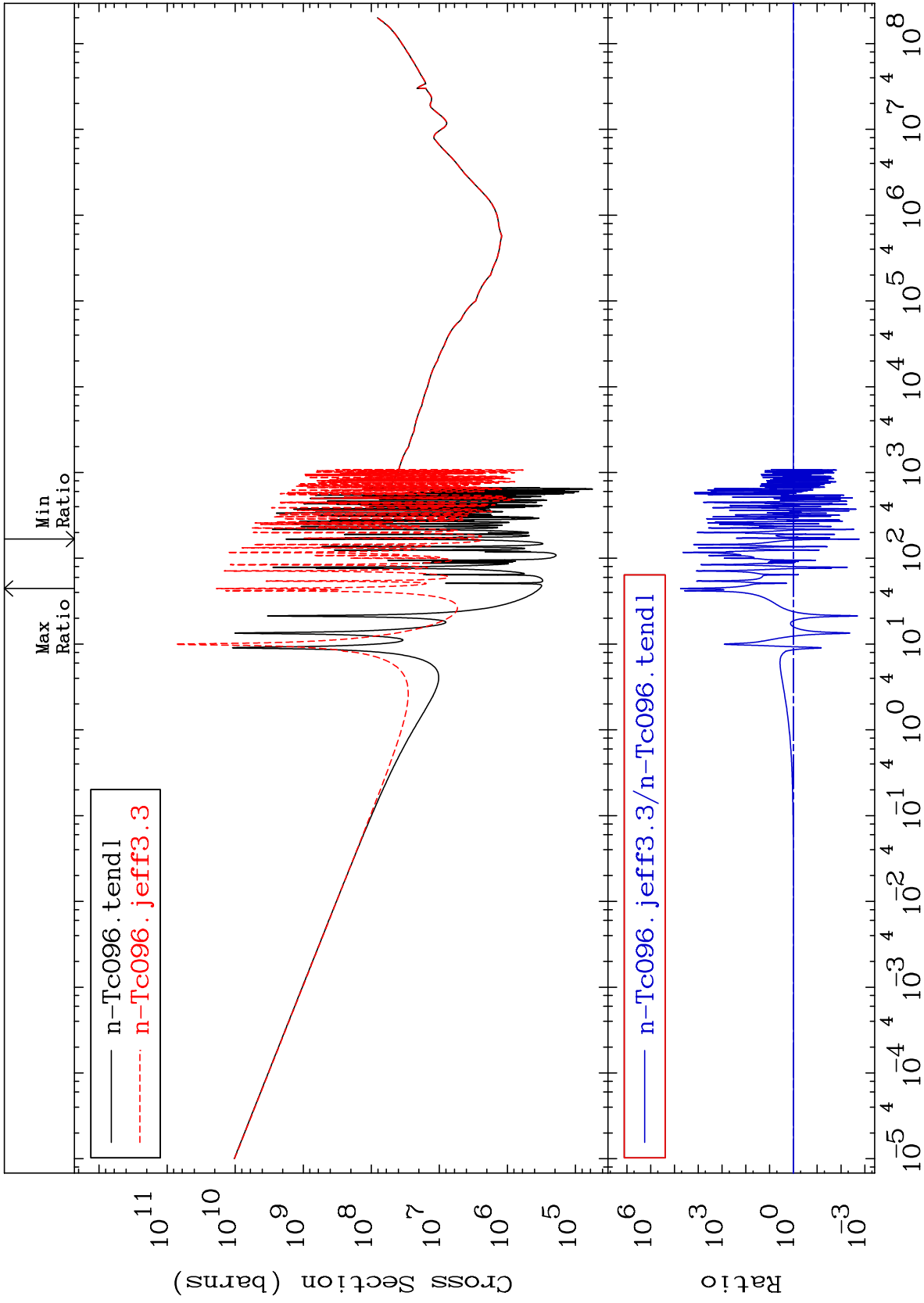
65

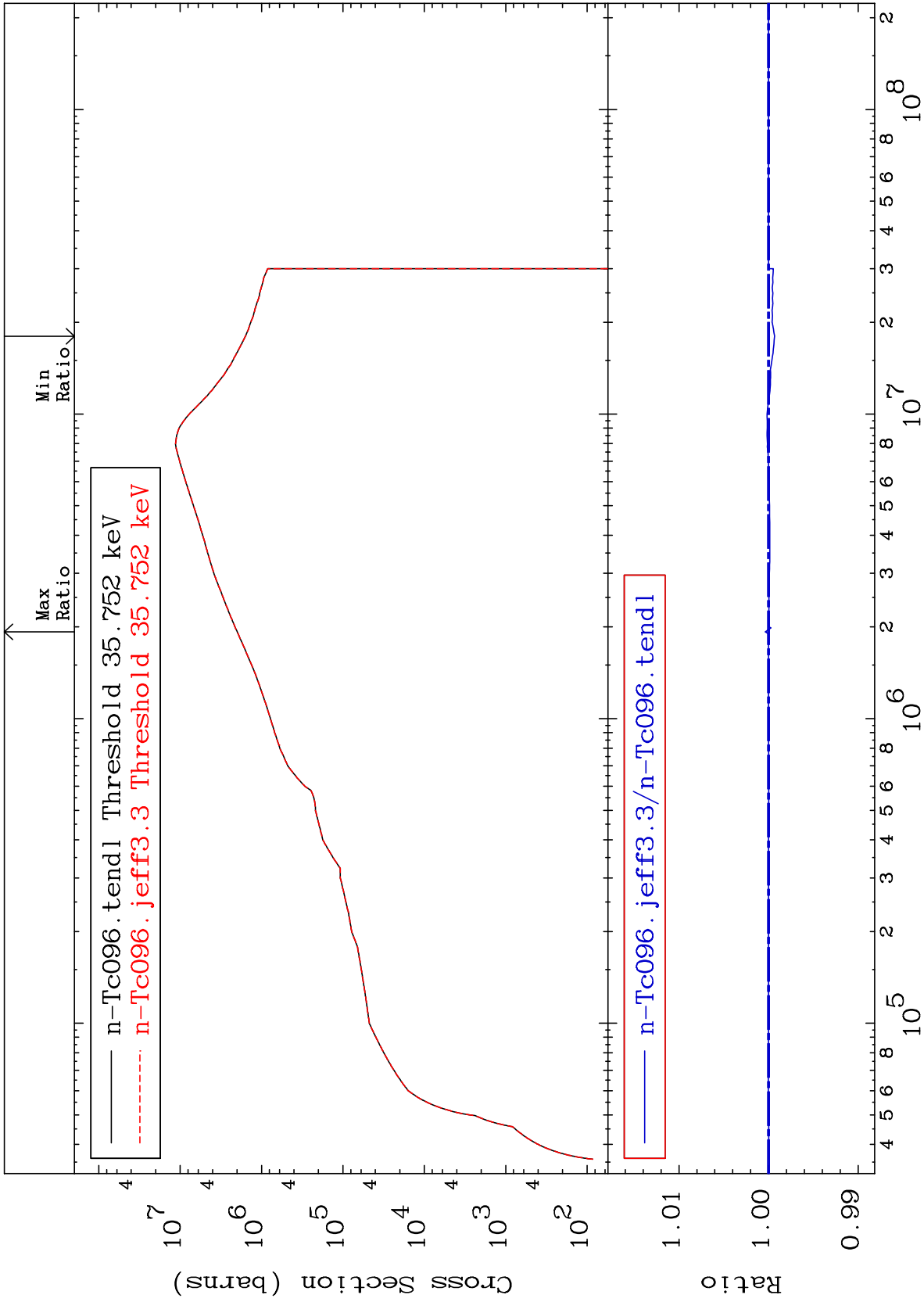
Incident Energy (eV)

43-Tc-96





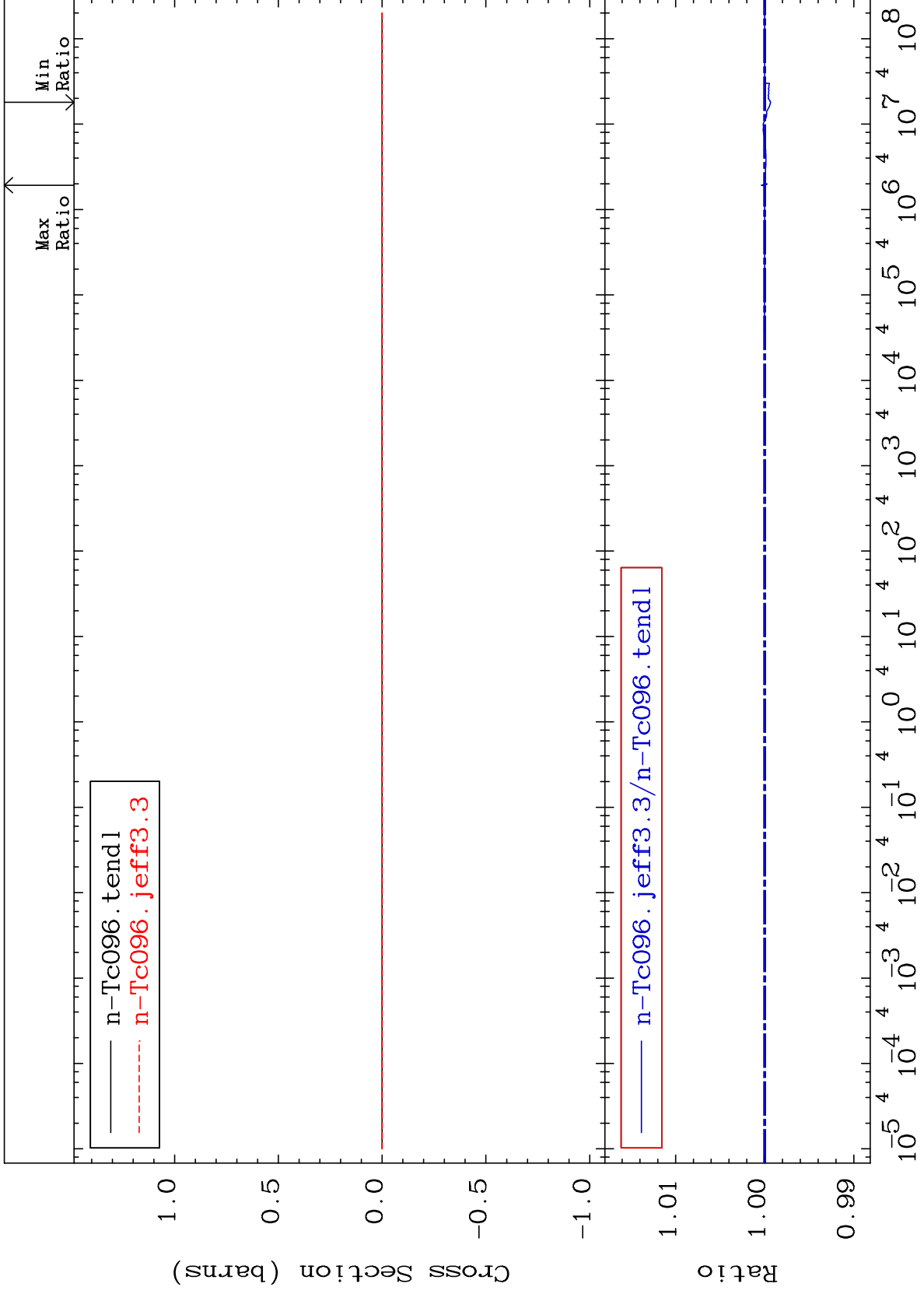




MAT 4316

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

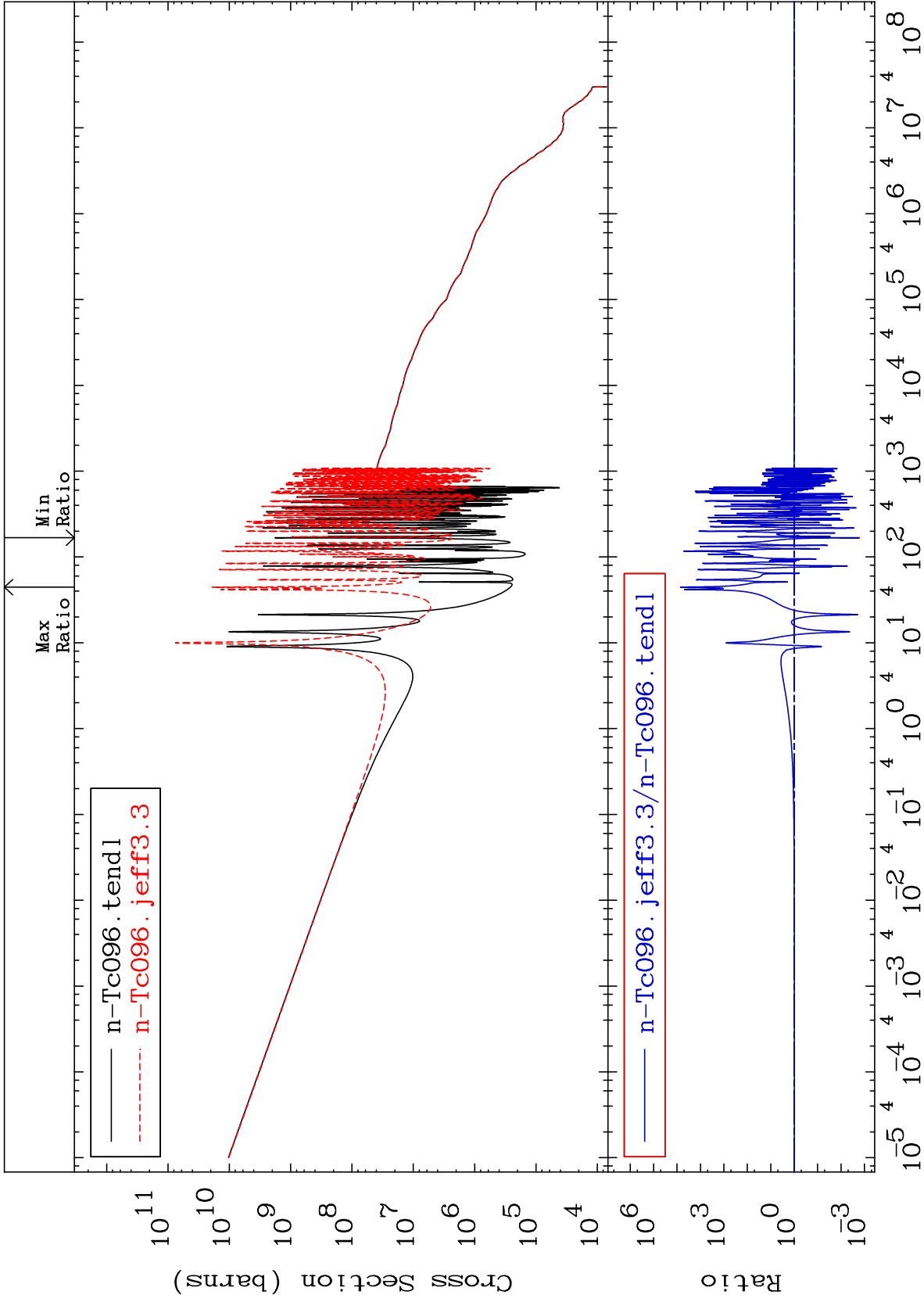
43-Tc-96
-0.067 To 0.037 %

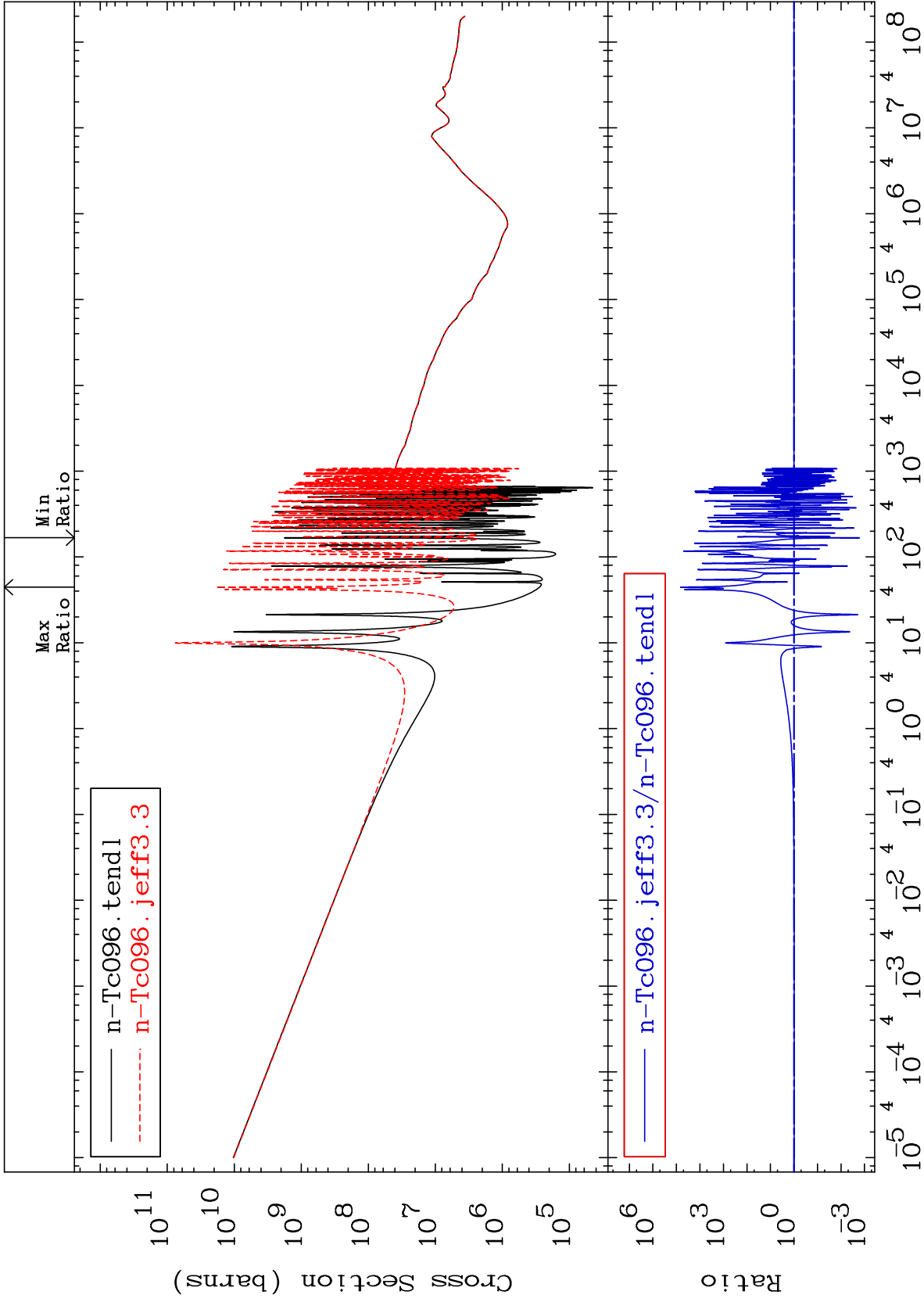


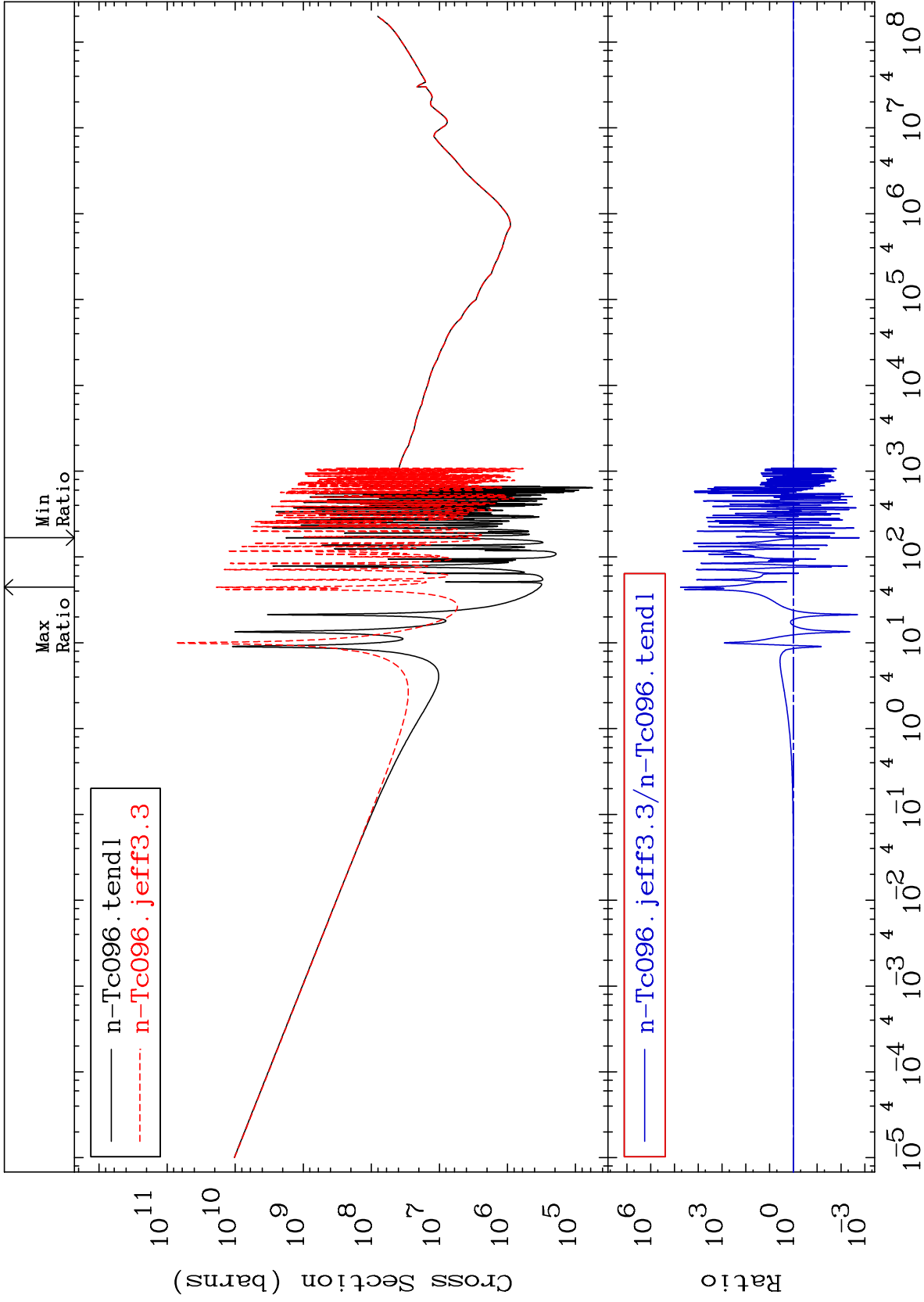
70

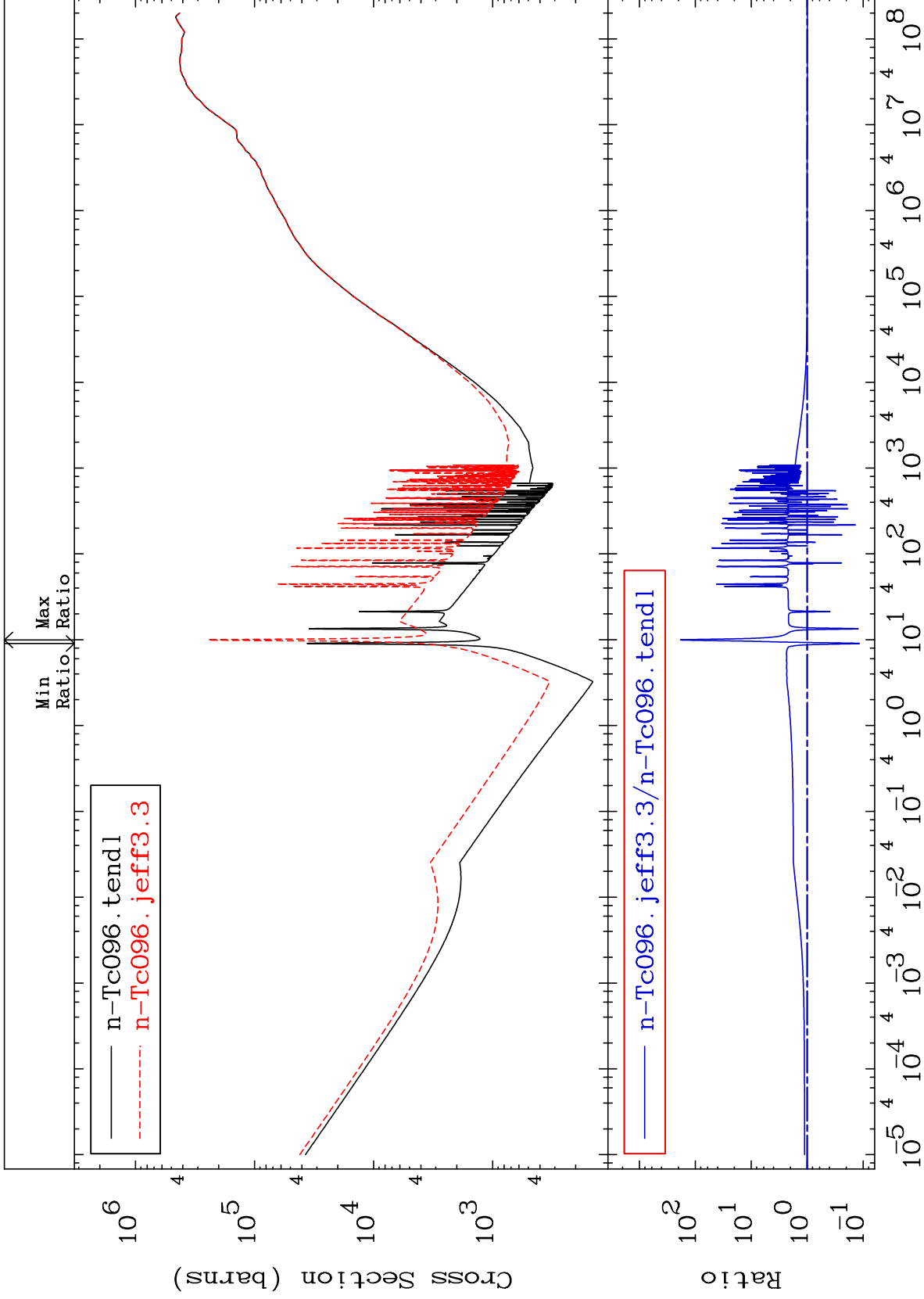
Incident Energy (eV)

43-Tc-96





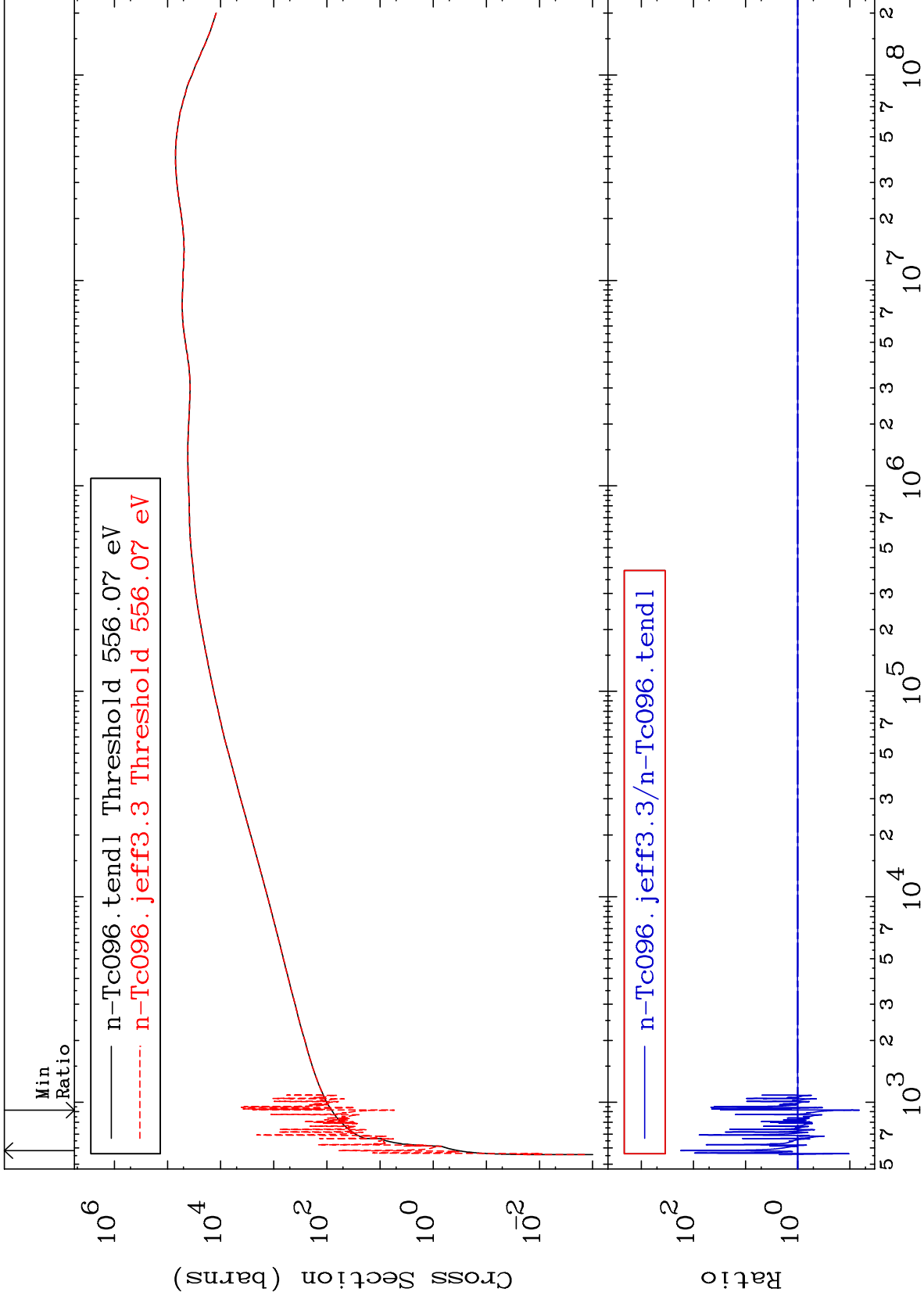




MAT 4316

Dpa elastic (mt2)
Cross Section

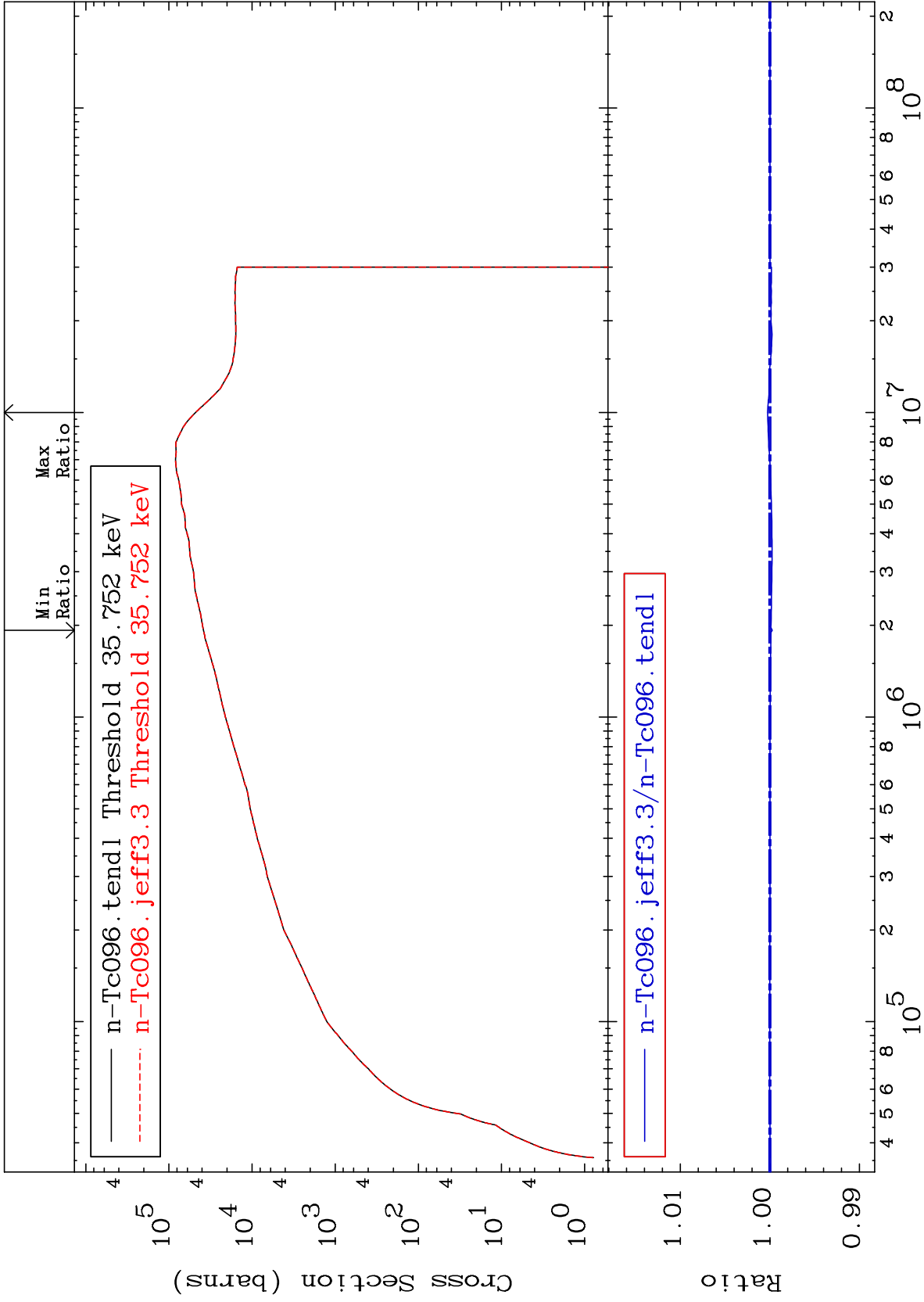
43-Tc-96
-93.47 To 9999. %

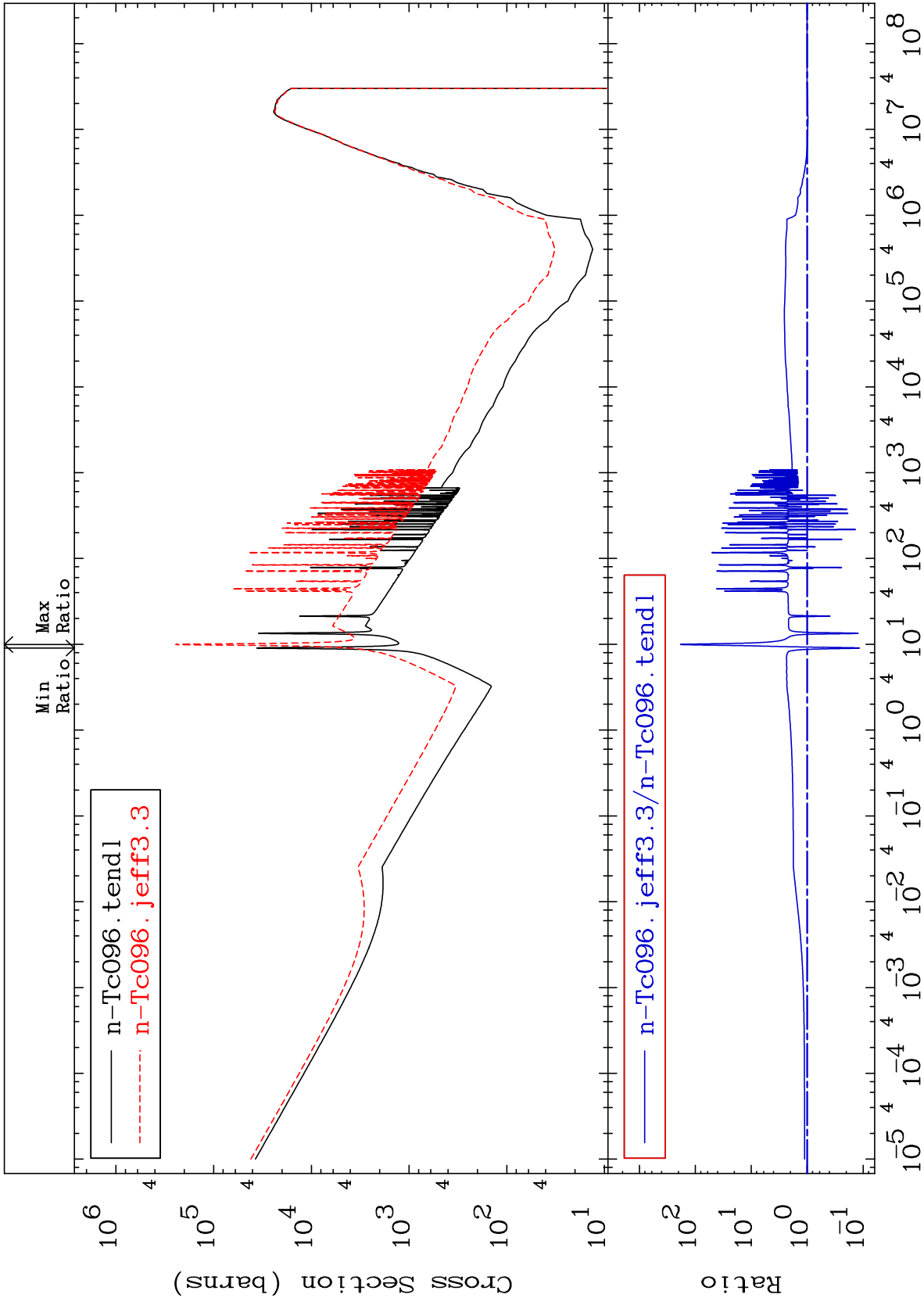


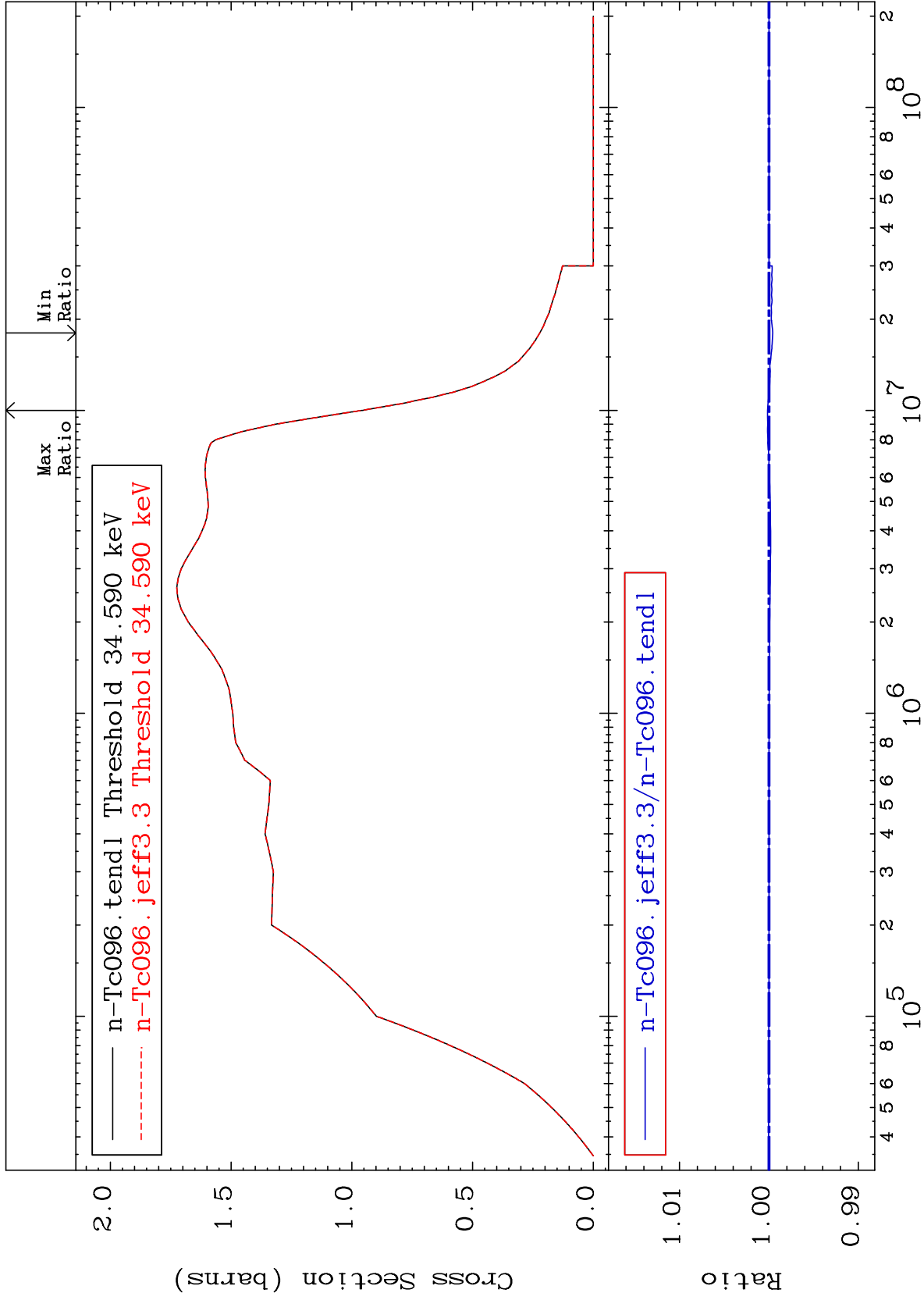
75

Incident Energy (eV)

43-Tc-96





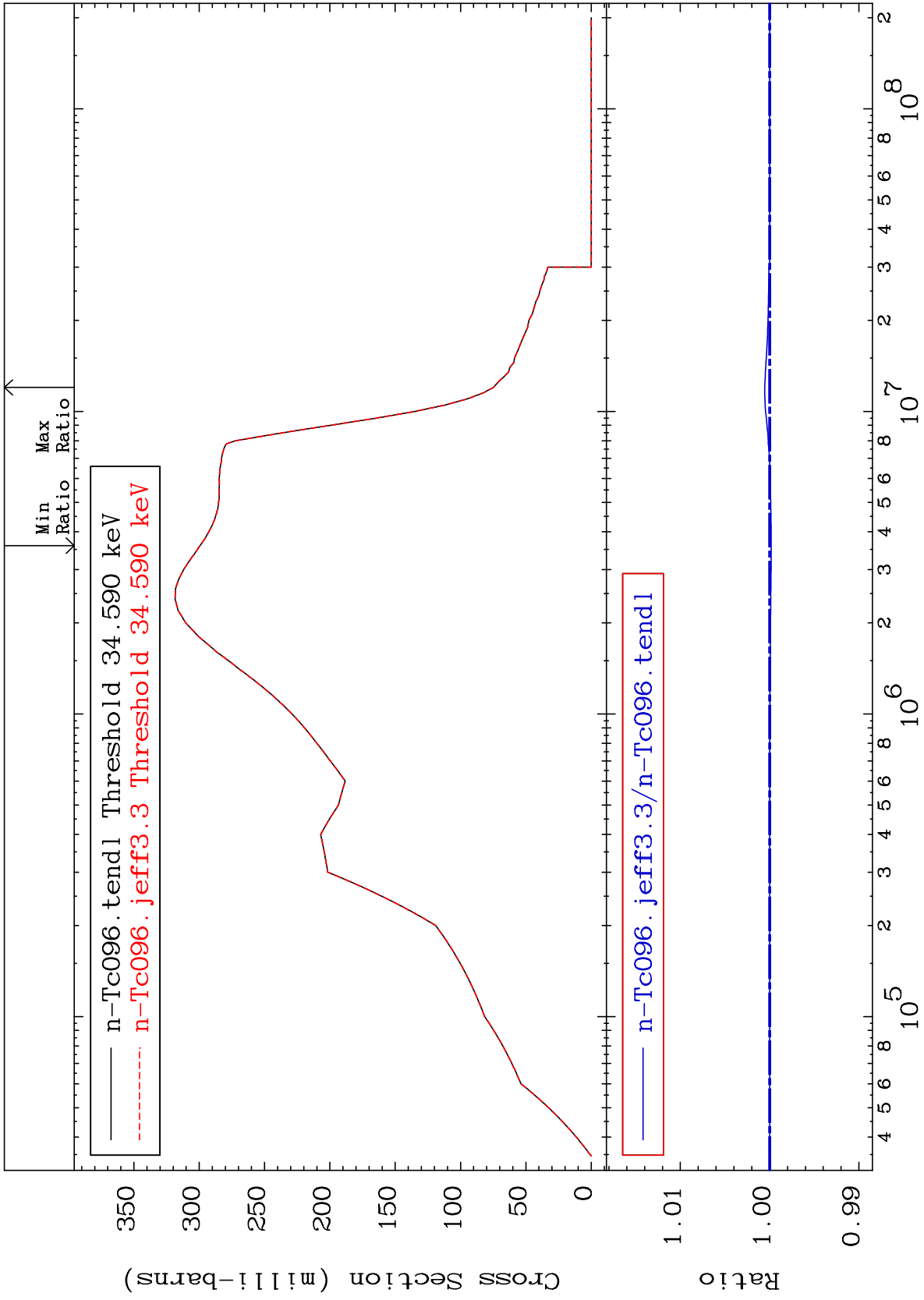


MAT 4316

Inelastic: 43-Tc-96m1

43-Tc-96

Radionuclide Production Cross Section -0.017 To 0.055 %



79

Incident Energy (eV)

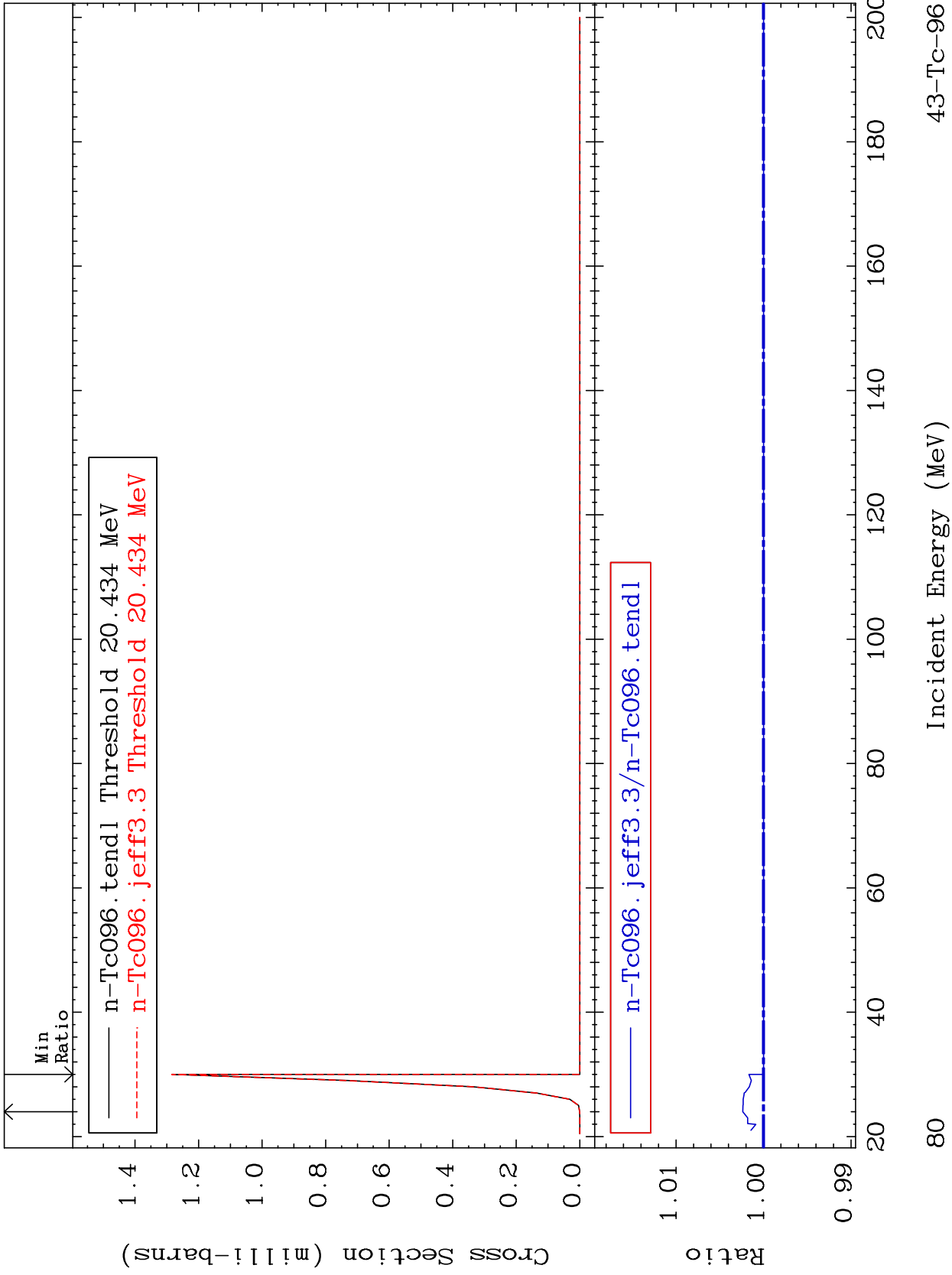
43-Tc-96

MAT 4316

(n,2n) d:42-Mo-93g

43-Tc-96

Radionuclide Production Cross Section 0.000 To 0.238 %



80

Incident Energy (MeV)

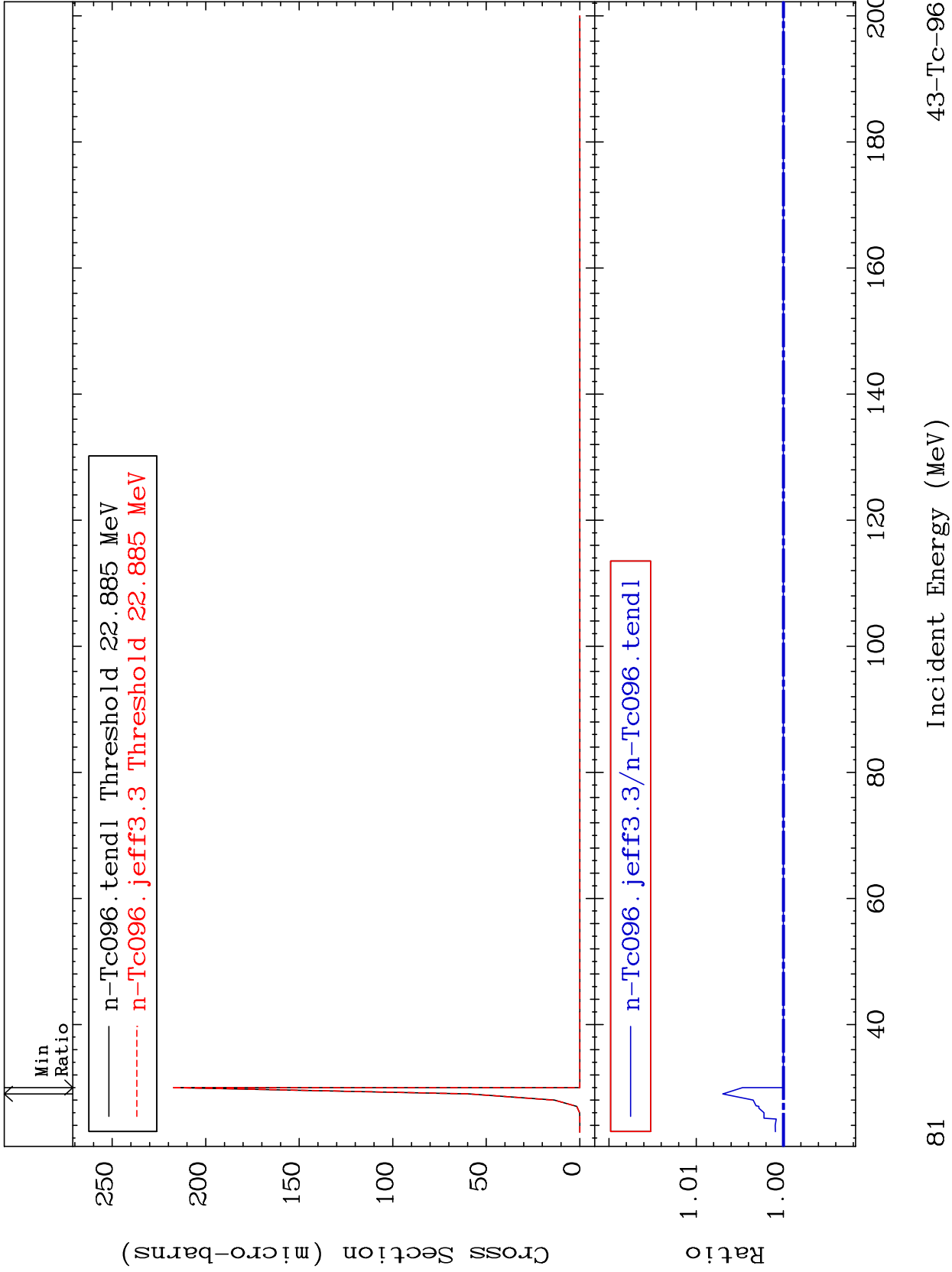
43-Tc-96

MAT 4316

(n,2n) d:42-Mo-93m16

43-Tc-96

Radionuclide Production Cross Section 0.000 To 0.696 %



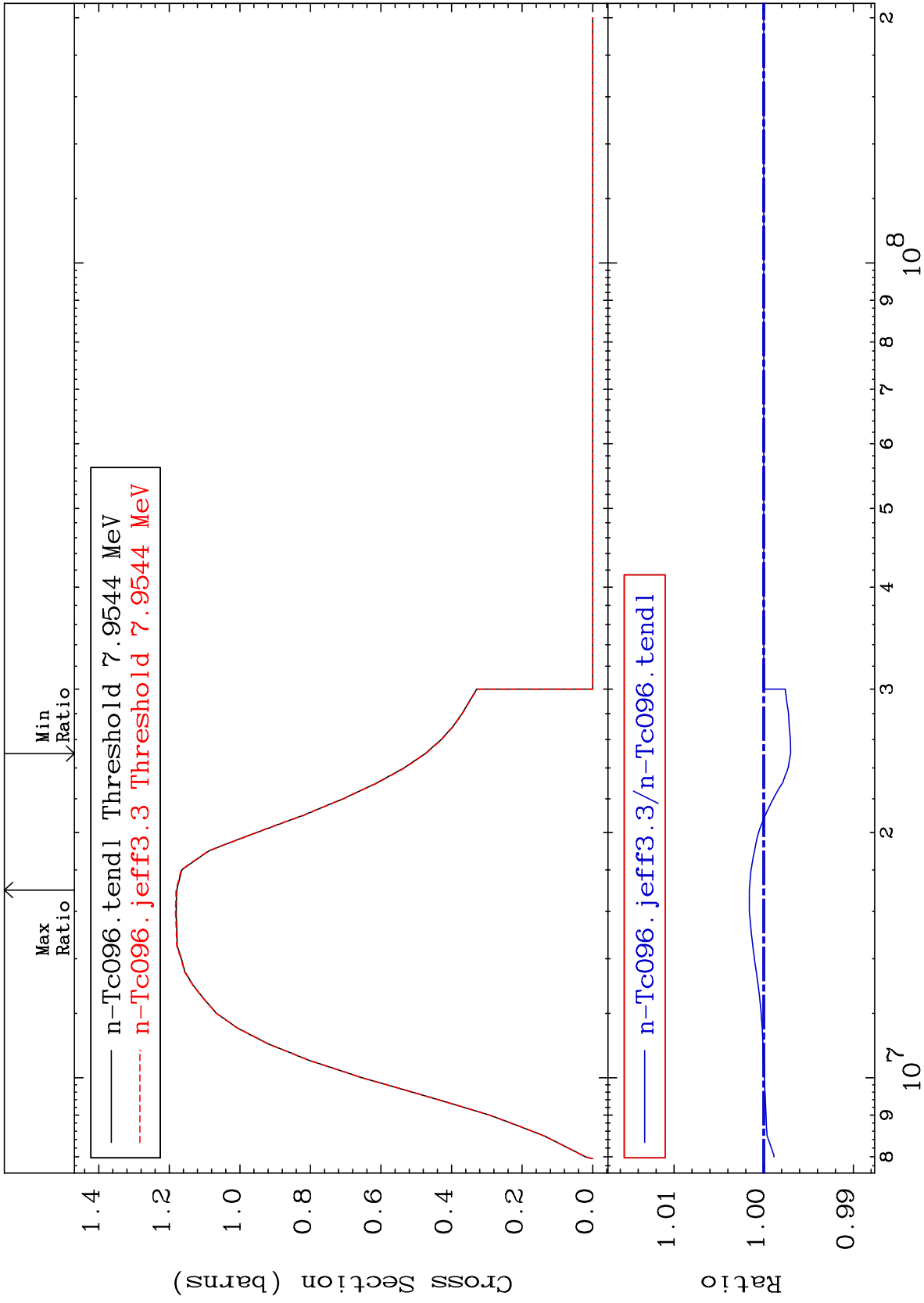
MAT 4316

(n,2n):43-Tc-95g

43-Tc-96

Radionuclide Production Cross Section

-0.300 To 0.161 %



82

Incident Energy (eV)

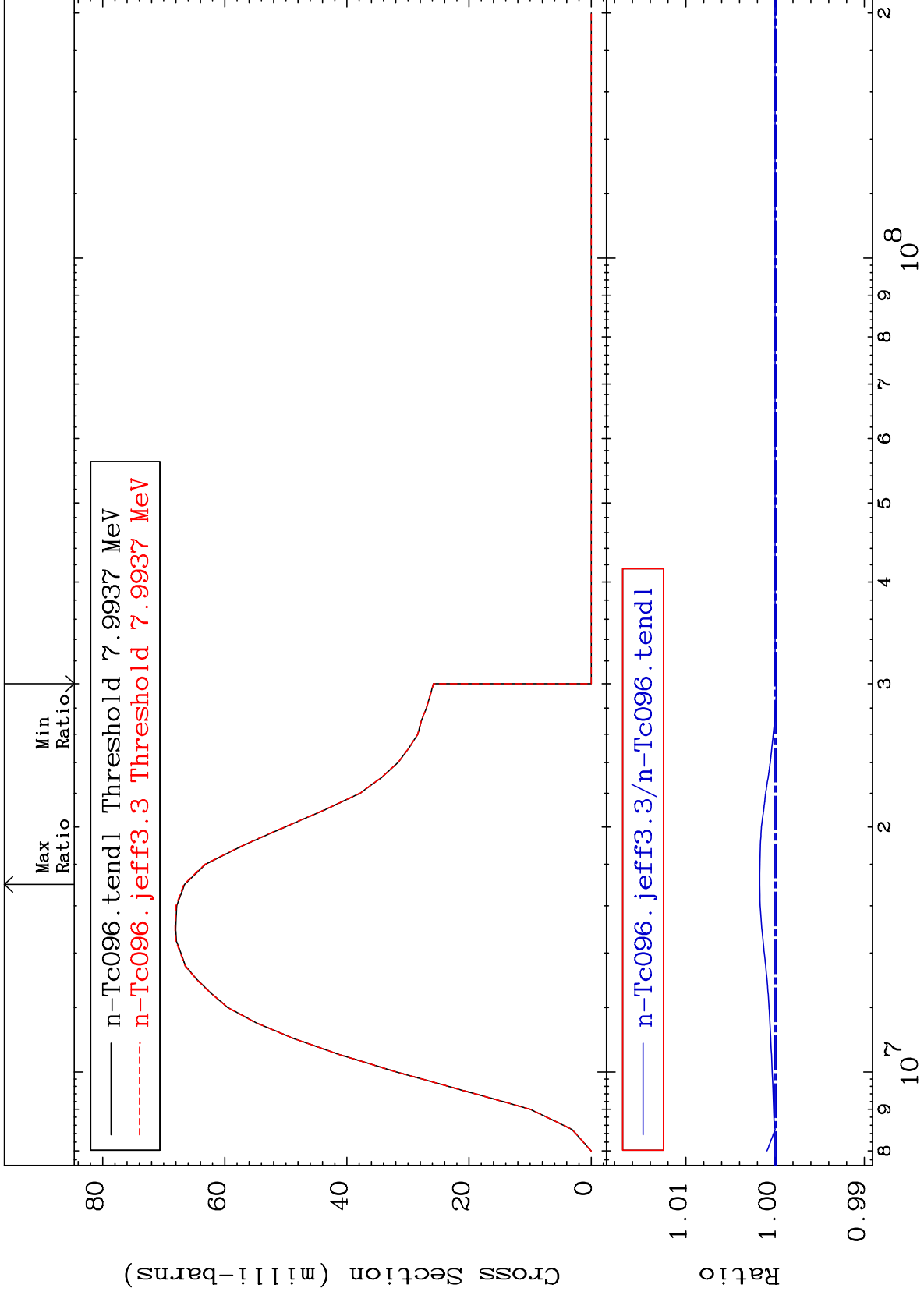
43-Tc-96

MAT 4316

(n,2n):43-Tc-95m1

43-Tc-96

Radionuclide Production Cross Section -0.012 To 0.173 %



83

Incident Energy (eV)

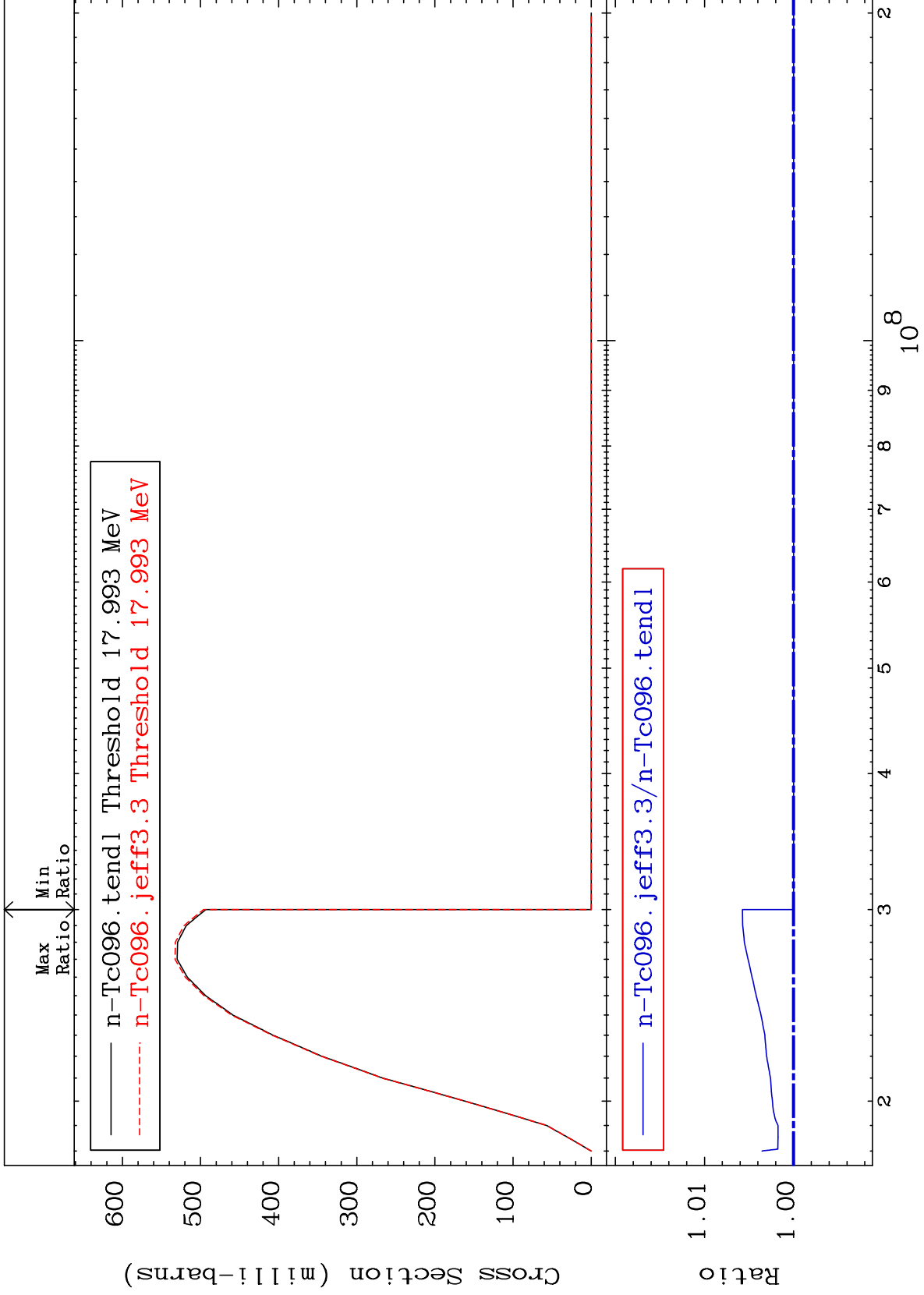
43-Tc-96

MAT 4316

(n,3n) : 43-Tc-94g

43-Tc-96

Radionuclide Production Cross Section 0.000 To 0.575 %

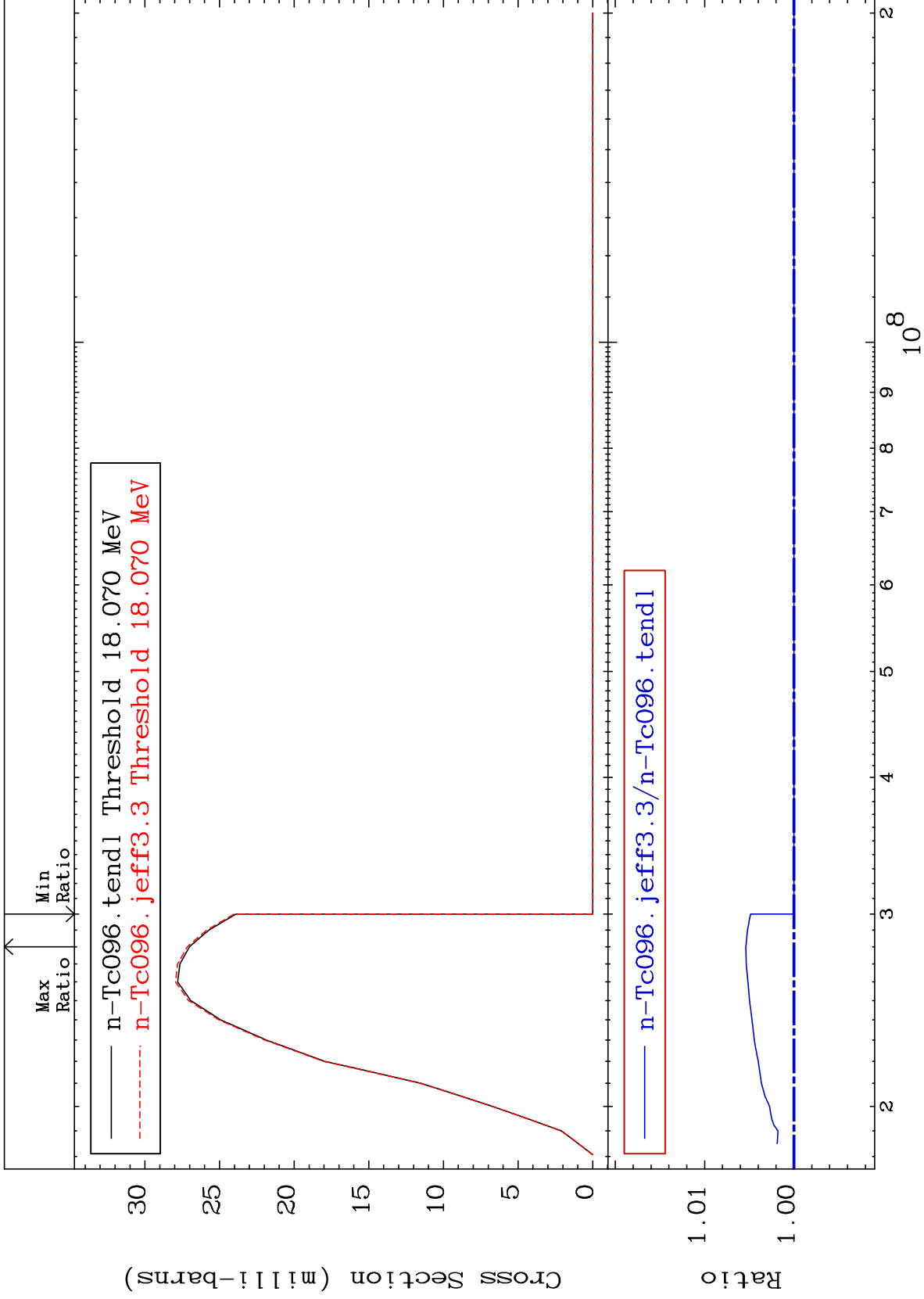


MAT 4316

(n,3n):43-Tc-94m1

43-Tc-96

Radionuclide Production Cross Section 0.000 To 0.539 %

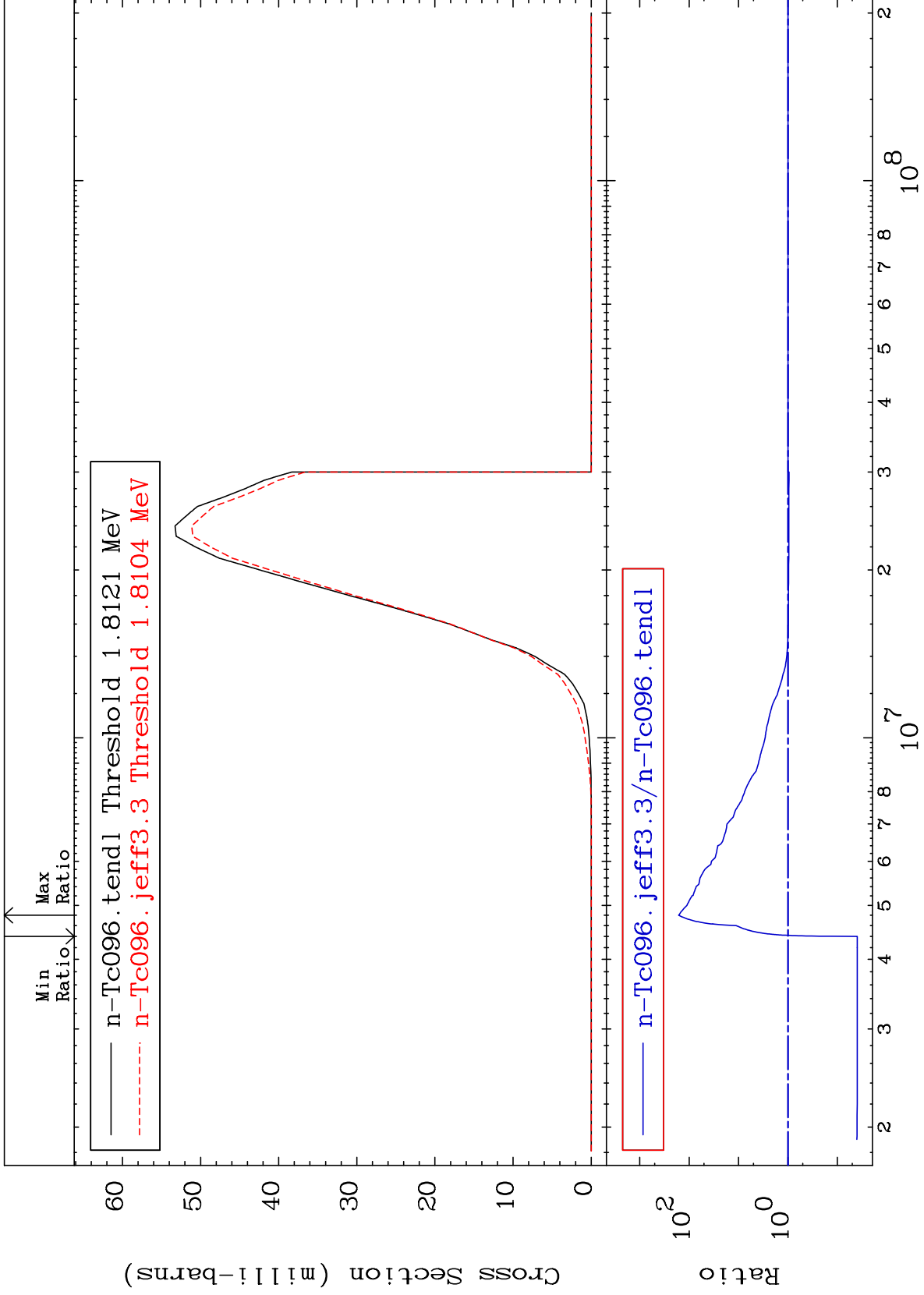


85

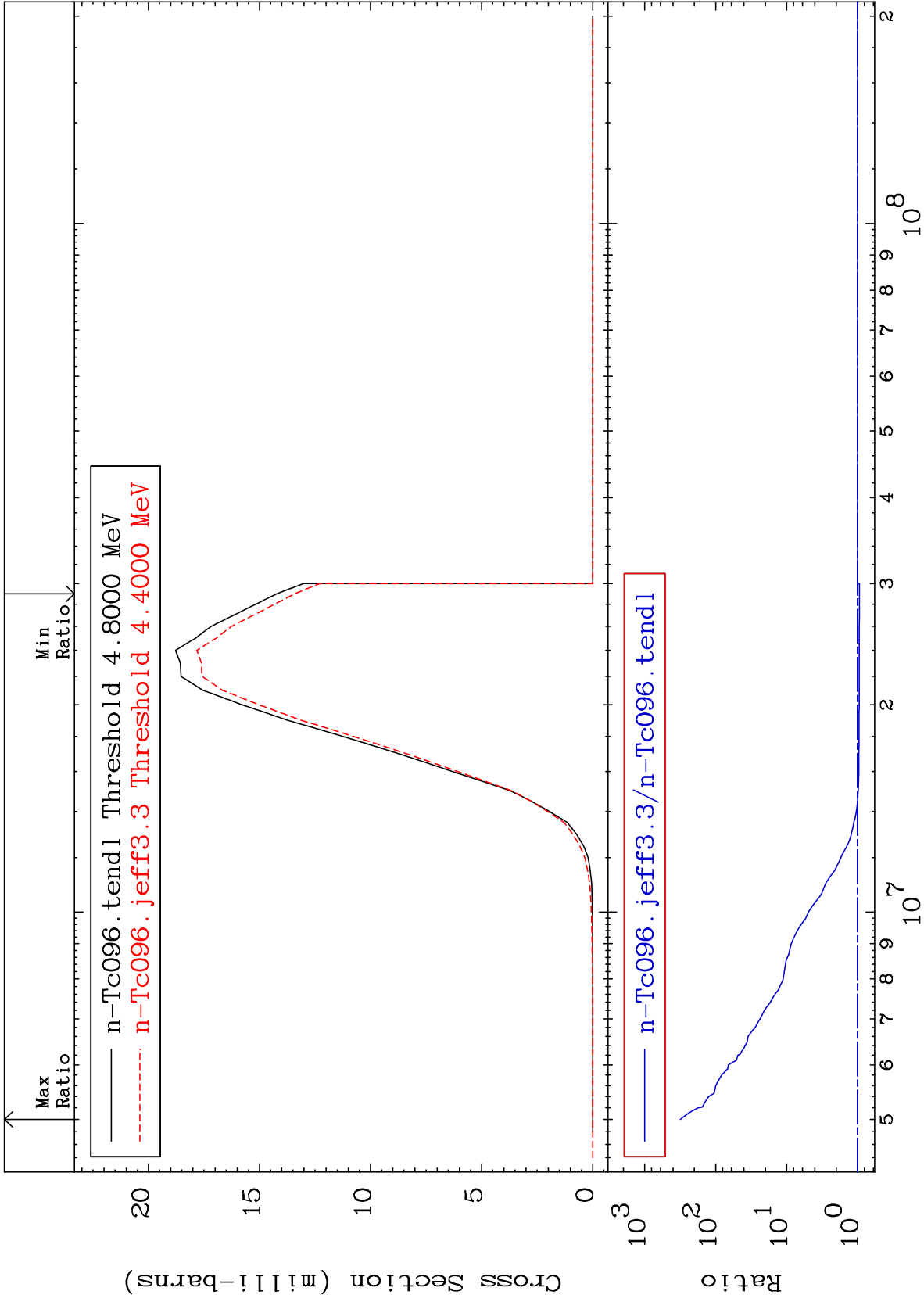
Incident Energy (eV)

43-Tc-96

Radionuclide Production Cross Section -96.05 To 9999. %



Radionuclide Production Cross Section -5.671 To 9999. %

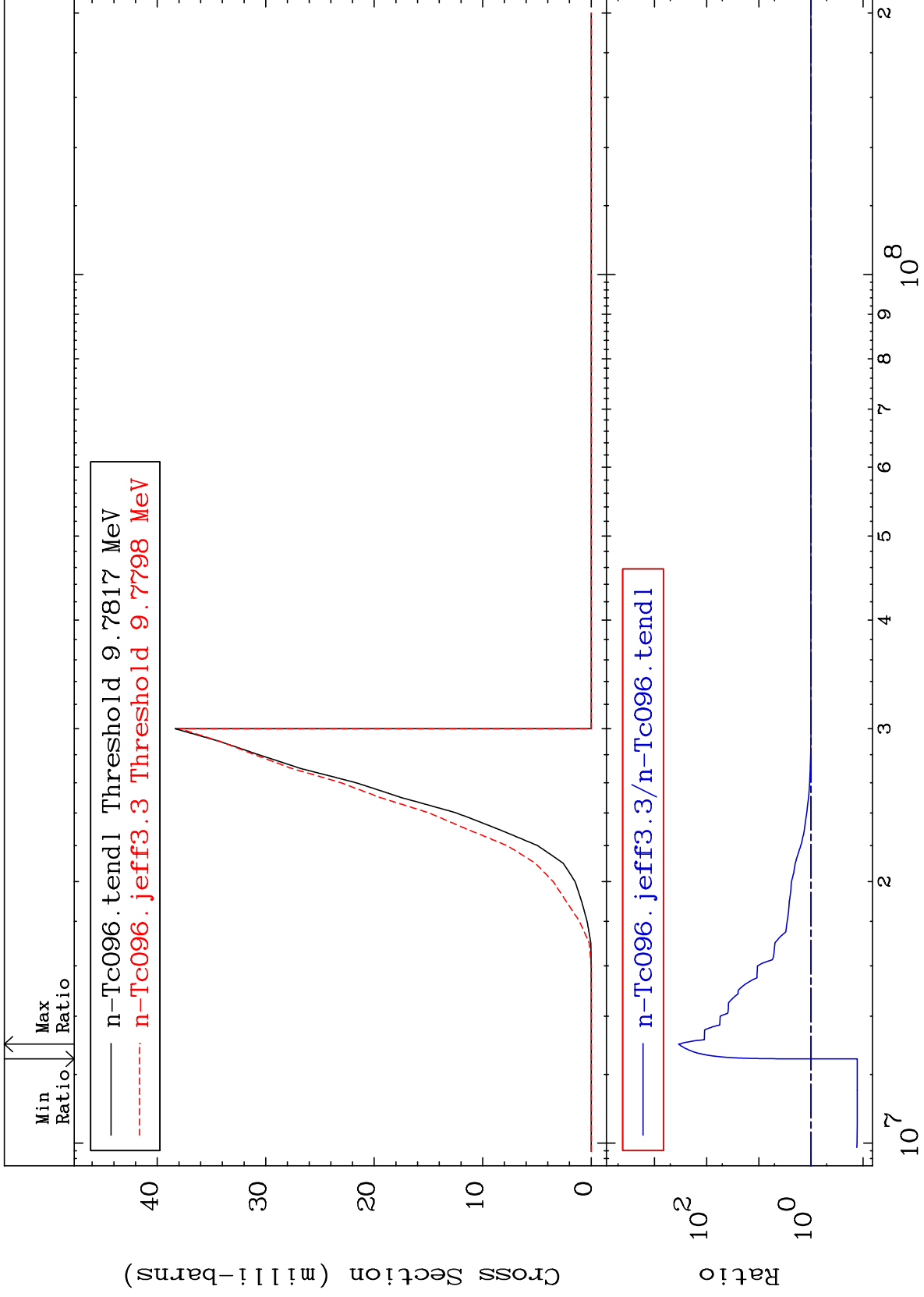


MAT 4316

(n,2n) α :41-Nb-91g

43-Tc-96

Radionuclide Production Cross Section -87.07 To 9999. %



88

Incident Energy (eV)

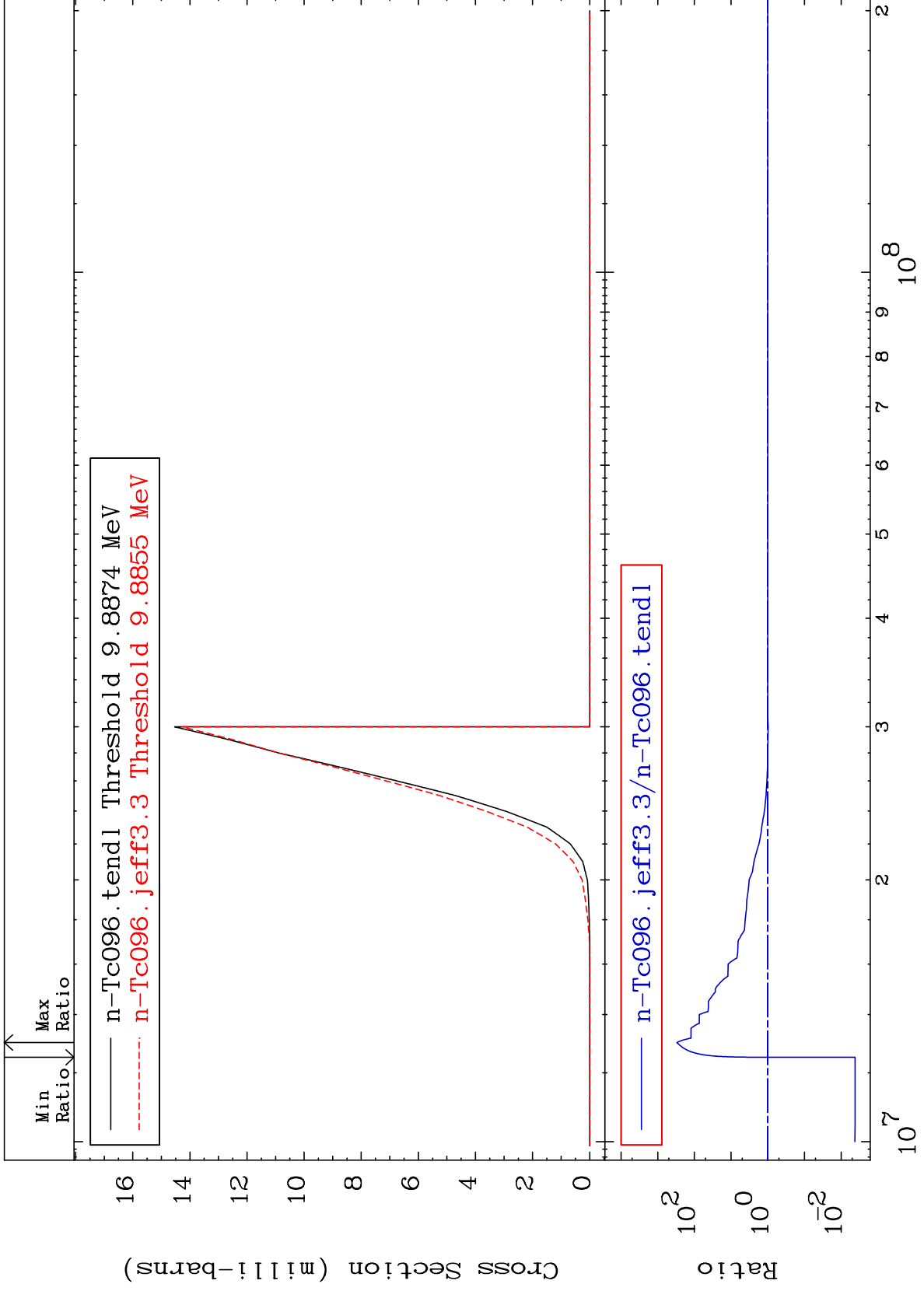
43-Tc-96

MAT 4316

(n,2n) α : 41-Nb-91m1

43-Tc-96

Radionuclide Production Cross Section -99.58 To 9999. %



89

Incident Energy (eV)

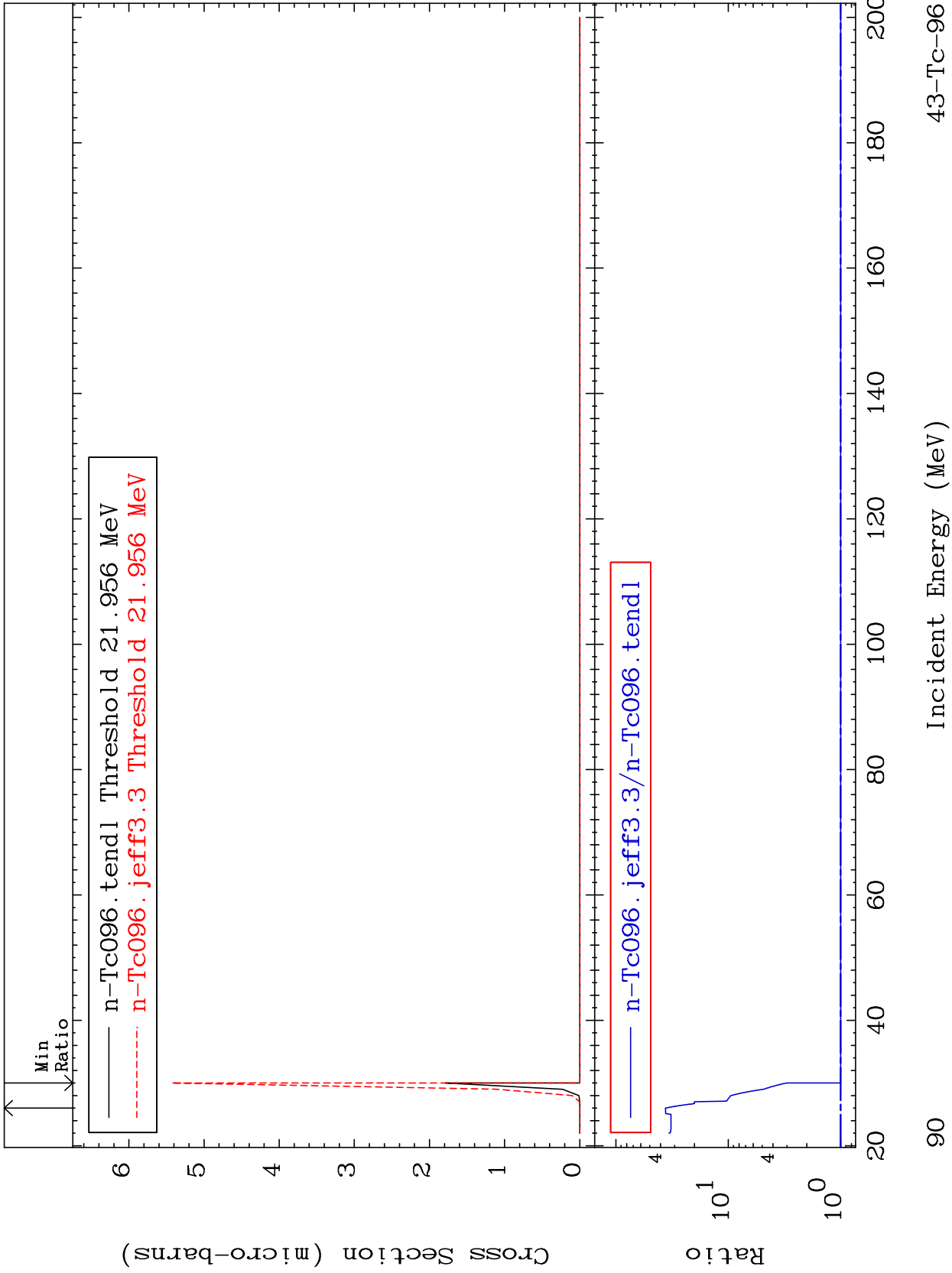
43-Tc-96

MAT 4316

(n,3n) α :41-Nb-90g

43-Tc-96

Radionuclide Production Cross Section 0.000 To 3519. %

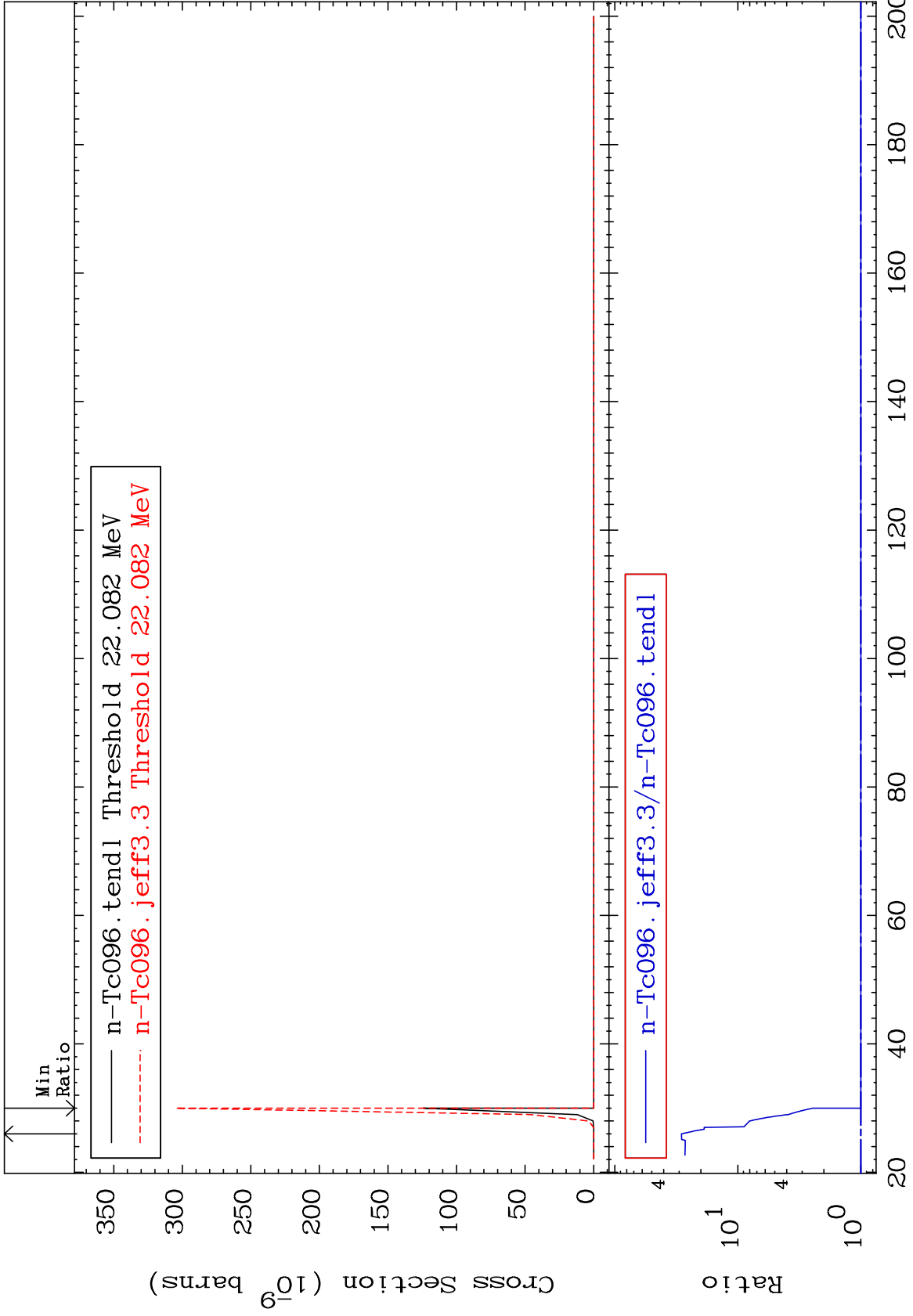


MAT 4316

(n,3n) α : 41-Nb-90m2

43-Tc-96

Radionuclide Production Cross Section 0.000 To 2772. %



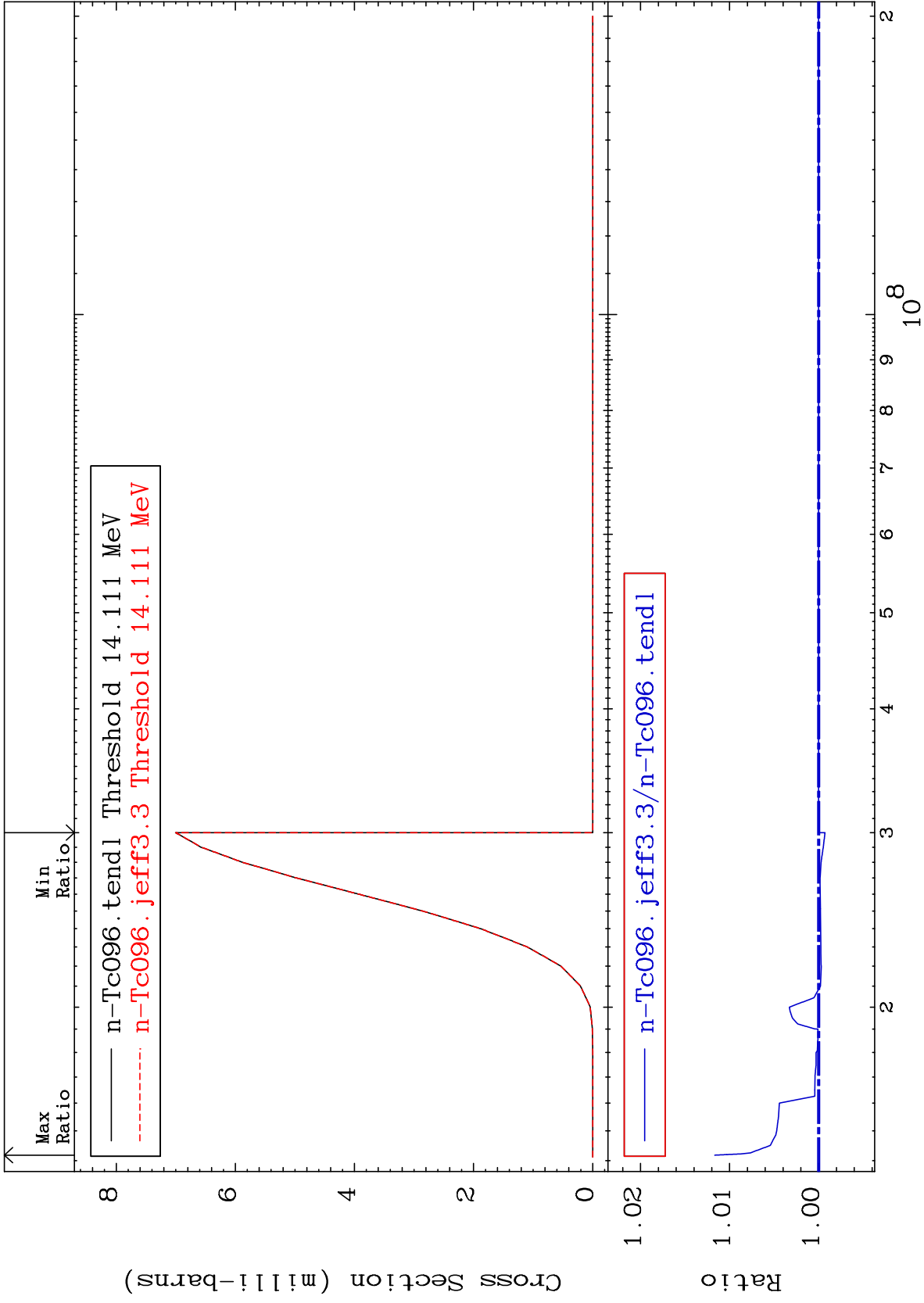
91

Incident Energy (MeV)

43-Tc-96

MAT 4316

(n, n') t:42-Mo-93g 43-Tc-96
Radionuclide Production Cross Section -0.071 To 1.166 %



92

Incident Energy (eV)

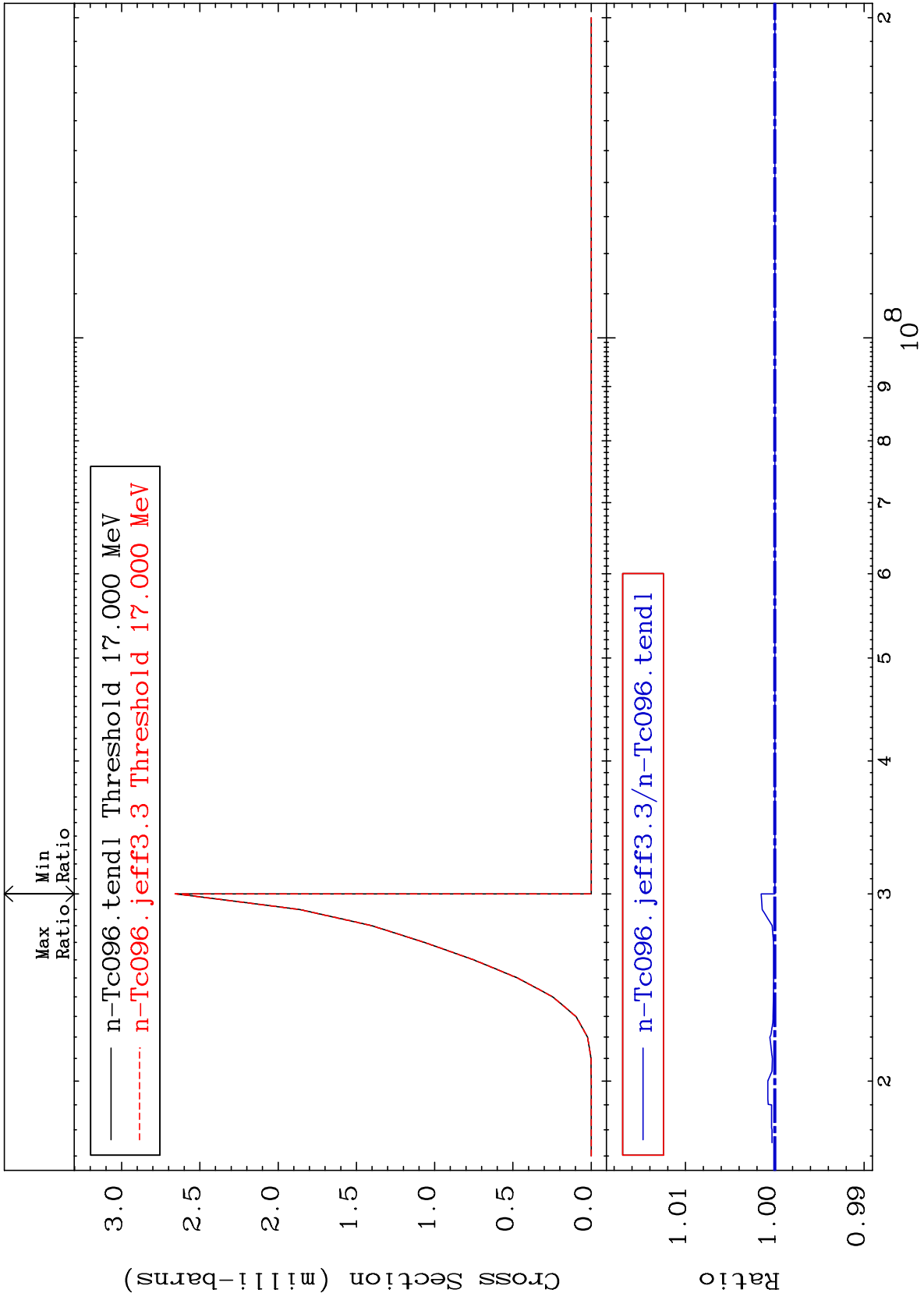
43-Tc-96

MAT 4316

(n, n') t:42-Mo-93m16

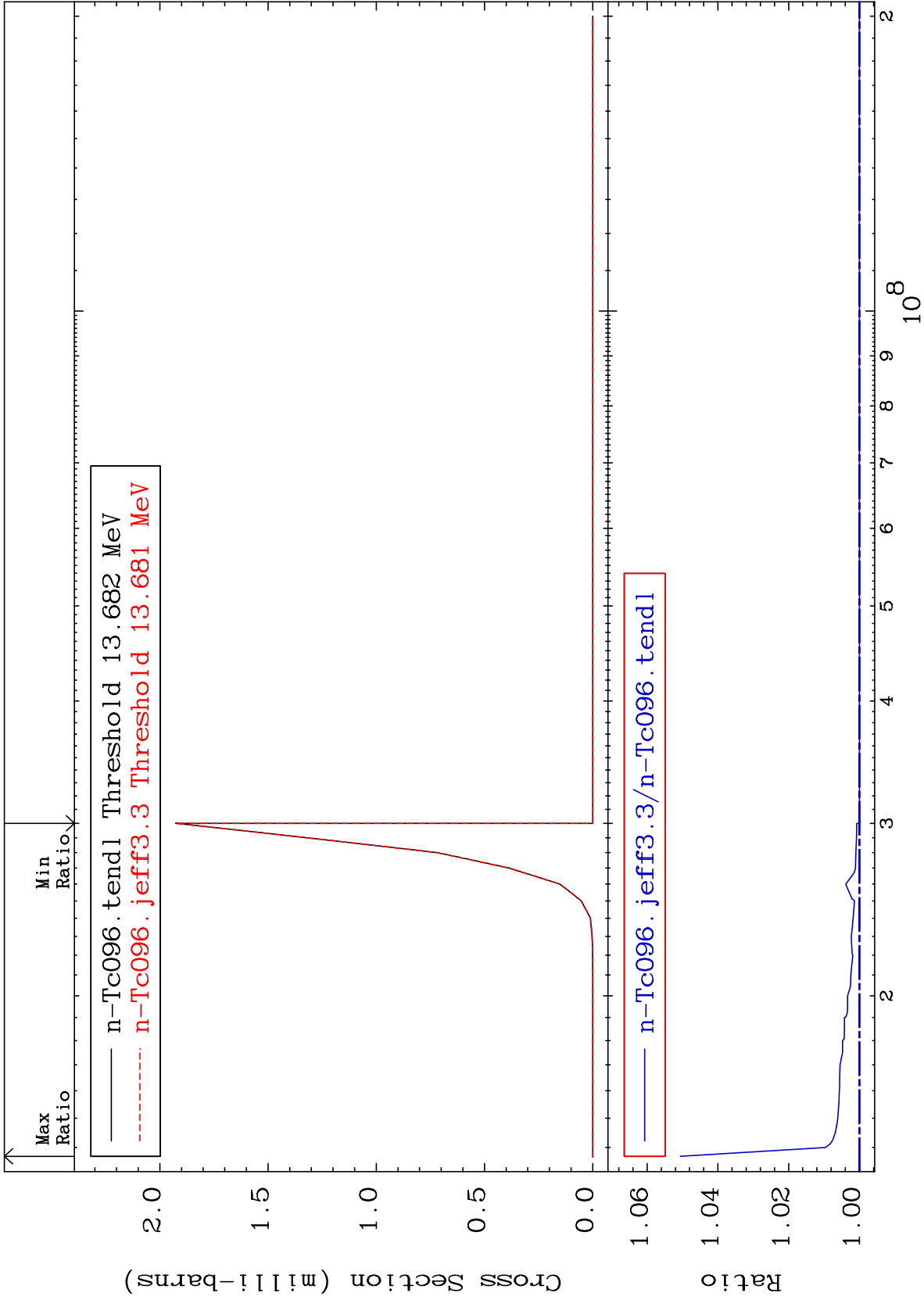
43-Tc-96

Radionuclide Production Cross Section 0.000 To 0.153 %

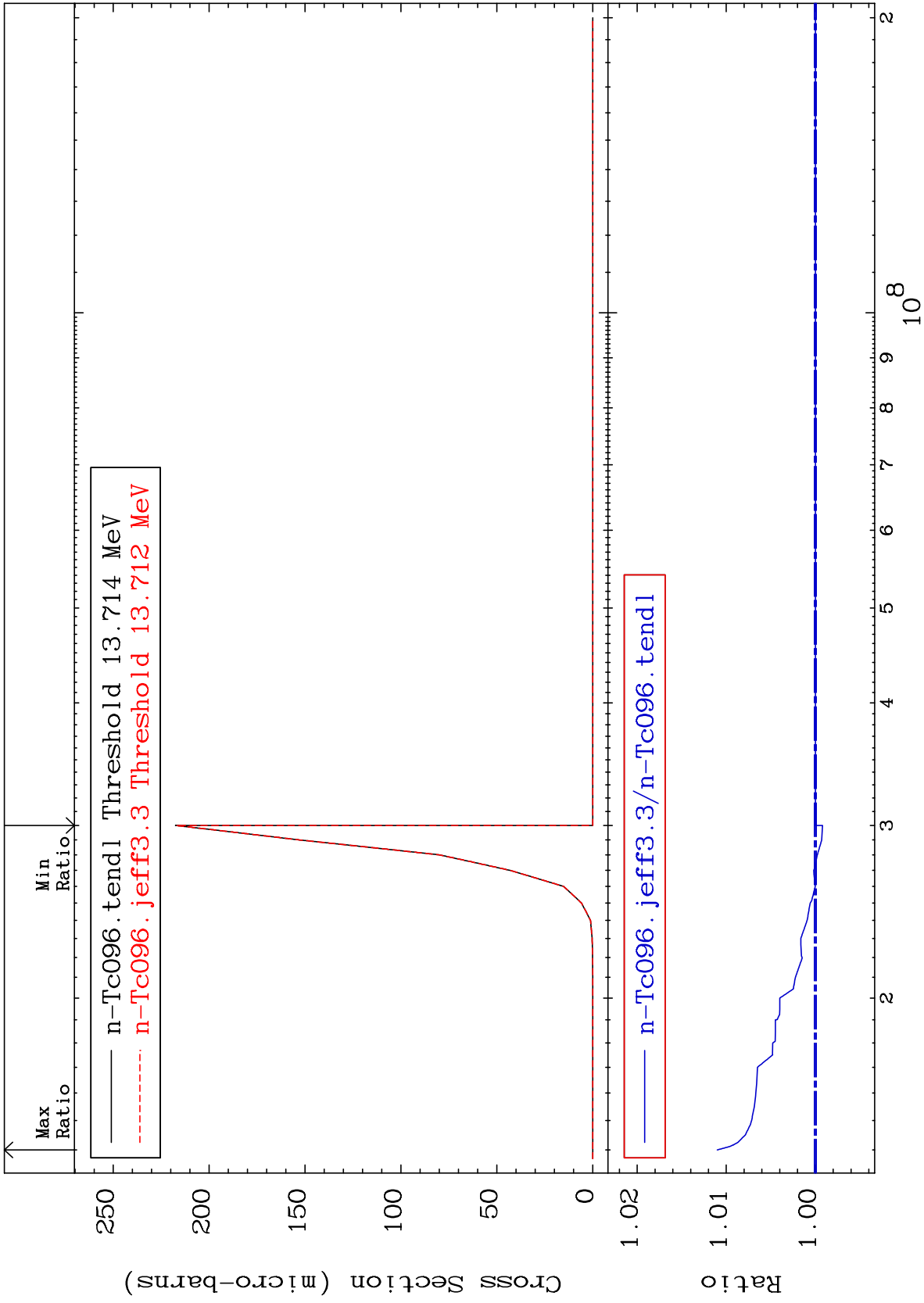


93

43-Tc-96



Radionuclide Production Cross Section -0.080 To 1.101 %

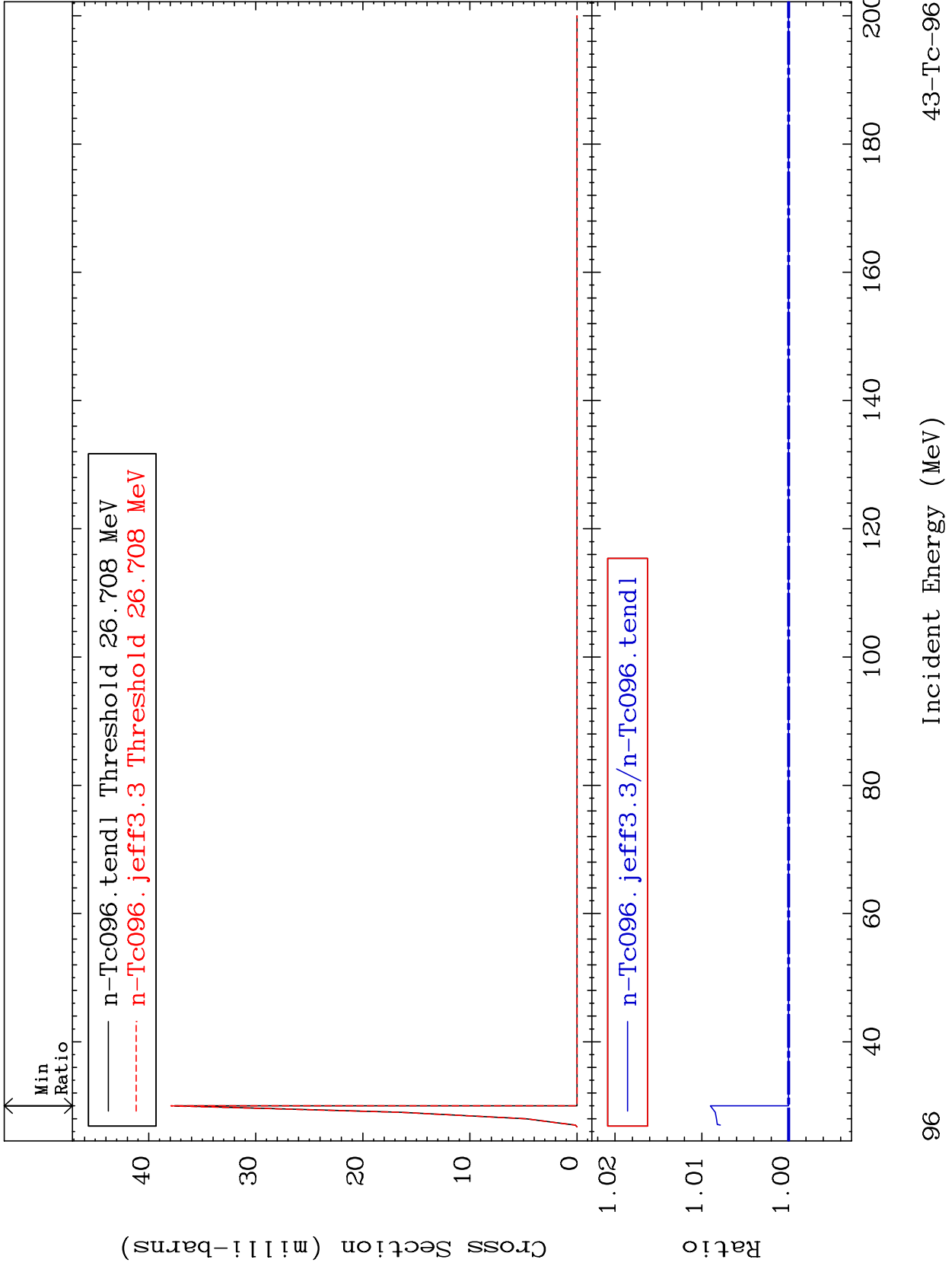


MAT 4316

(n, 4n) : 43-Tc-93g

43-Tc-96

Radionuclide Production Cross Section 0.000 To 0.902 %



96

Incident Energy (MeV)

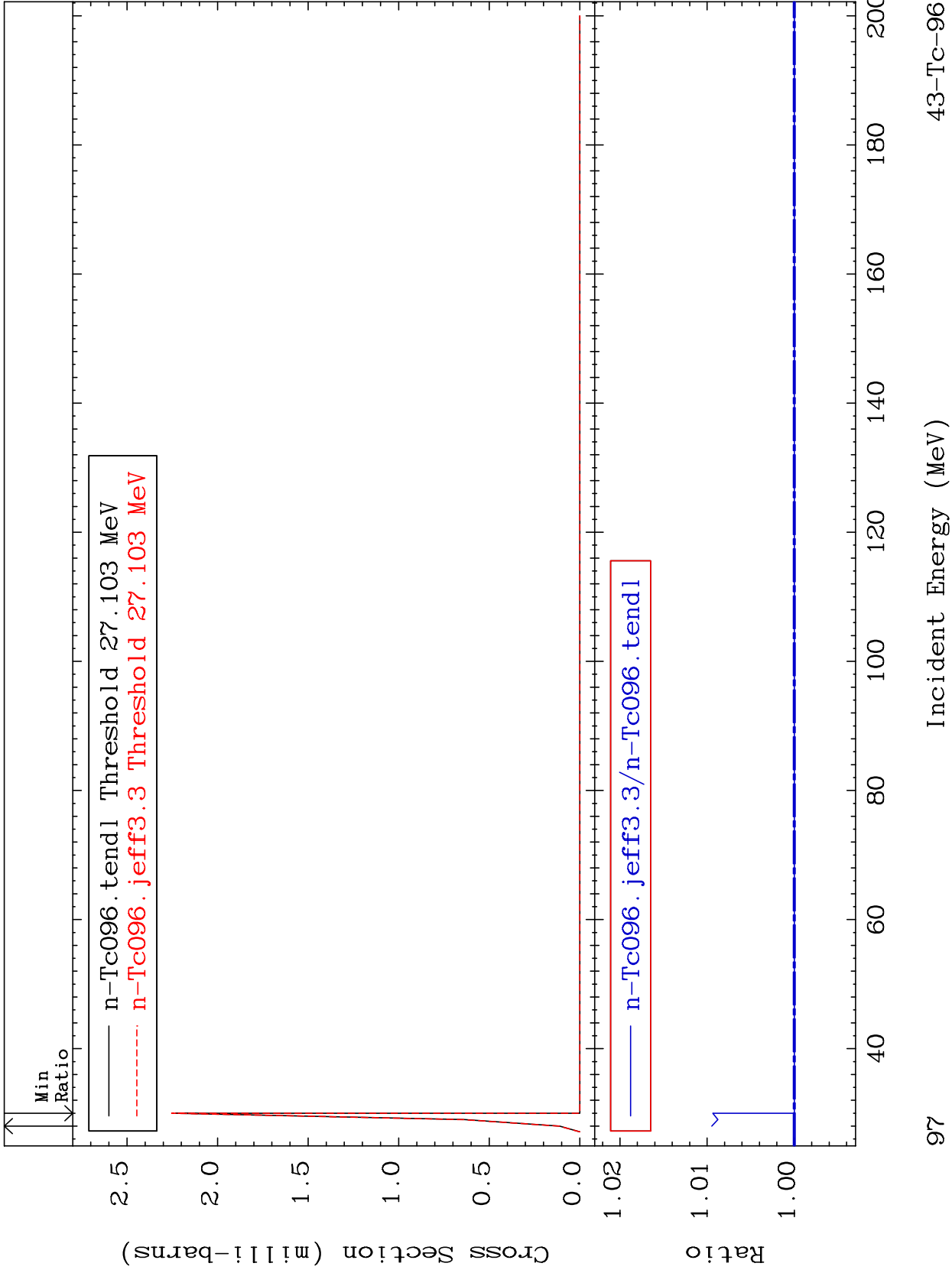
43-Tc-96

MAT 4316

(n, 4n) : 43-Tc-93m1

43-Tc-96

Radionuclide Production Cross Section 0.000 To 0.946 %

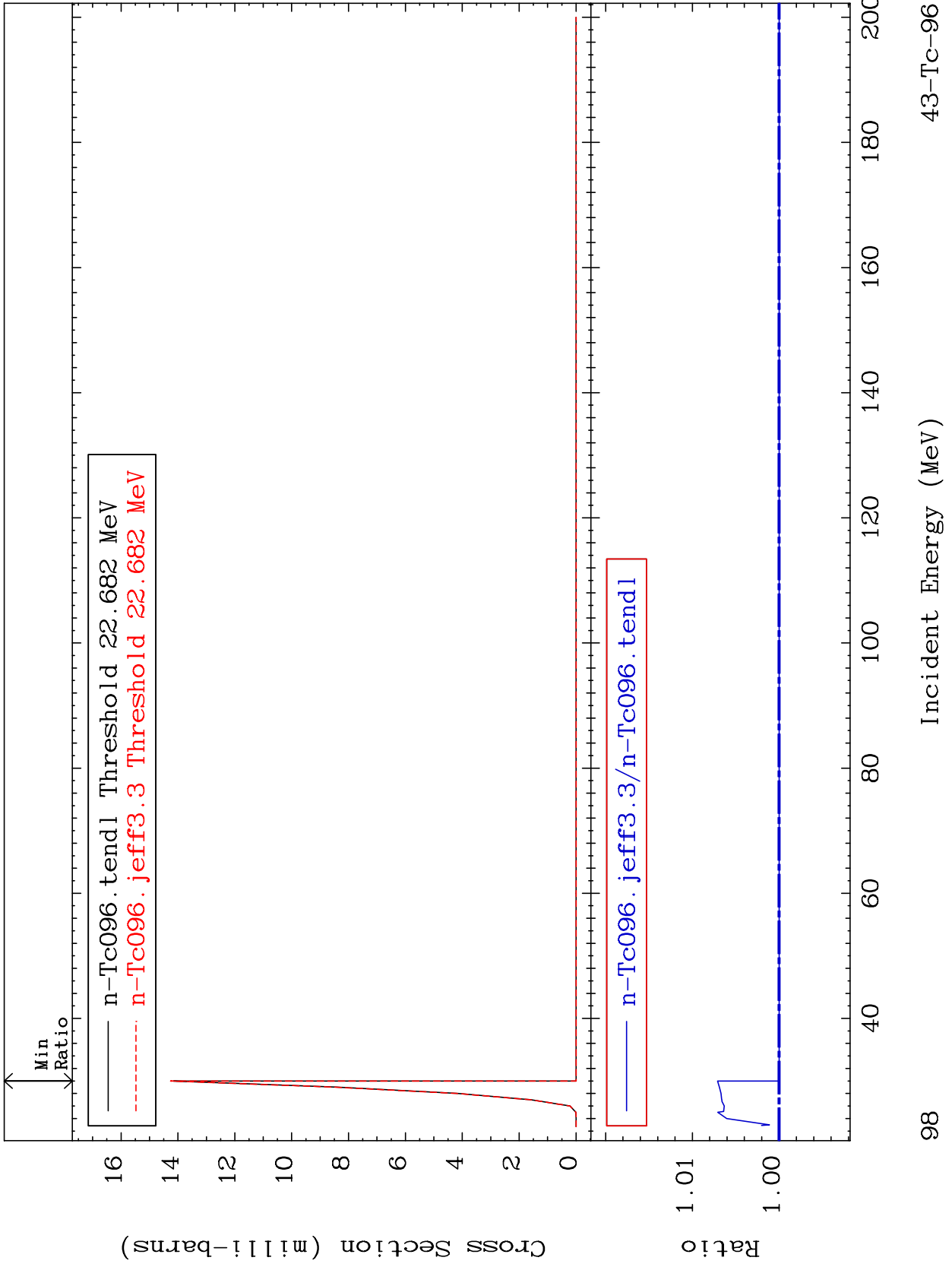


MAT 4316

(n, 3n) p:42-Mo-93g

43-Tc-96

Radionuclide Production Cross Section 0.000 To 0.710 %

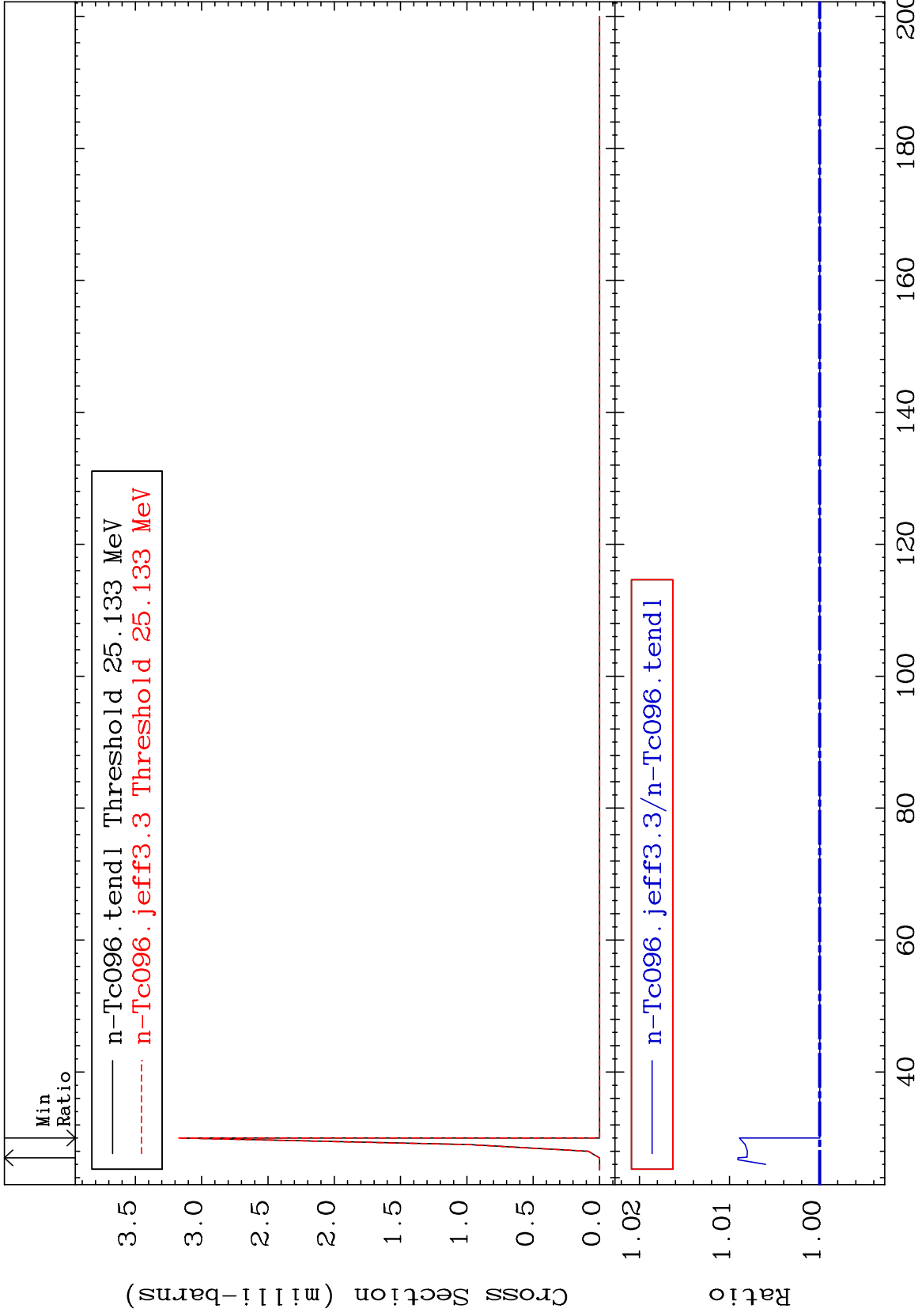


MAT 4316

(n,3n) p:42-Mo-93m16

43-Tc-96

Radionuclide Production Cross Section 0.000 To 0.908 %



99

Incident Energy (MeV)

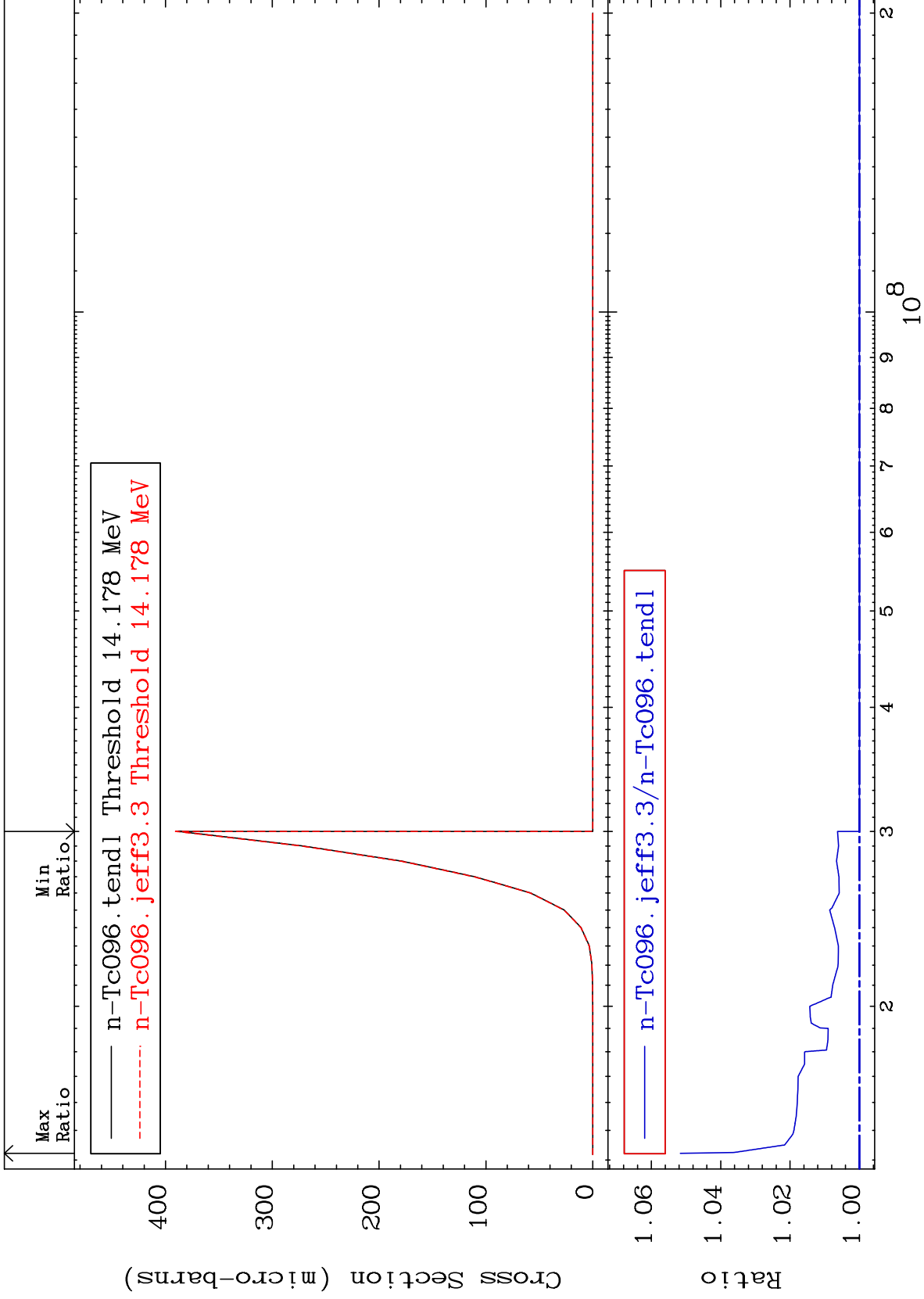
43-Tc-96

MAT 4316

(n,2n) p:41-Nb-94g

43-Tc-96

Radionuclide Production Cross Section 0.000 To 5.163 %



100

Incident Energy (eV)

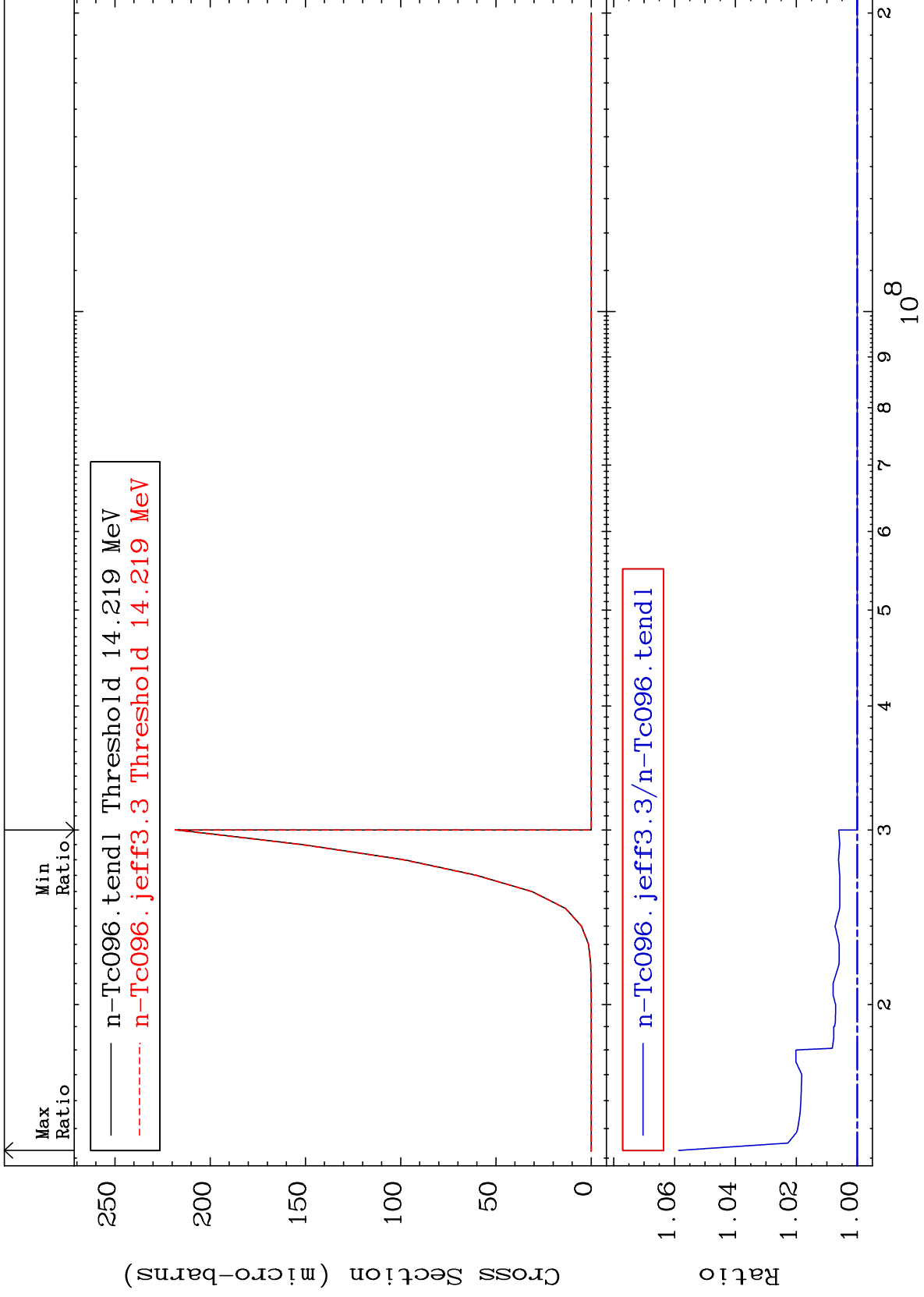
43-Tc-96

MAT 4316

(n,2n) p:41-Nb-94m1

43-Tc-96

Radionuclide Production Cross Section 0.000 To 5.866 %



101

Incident Energy (eV)

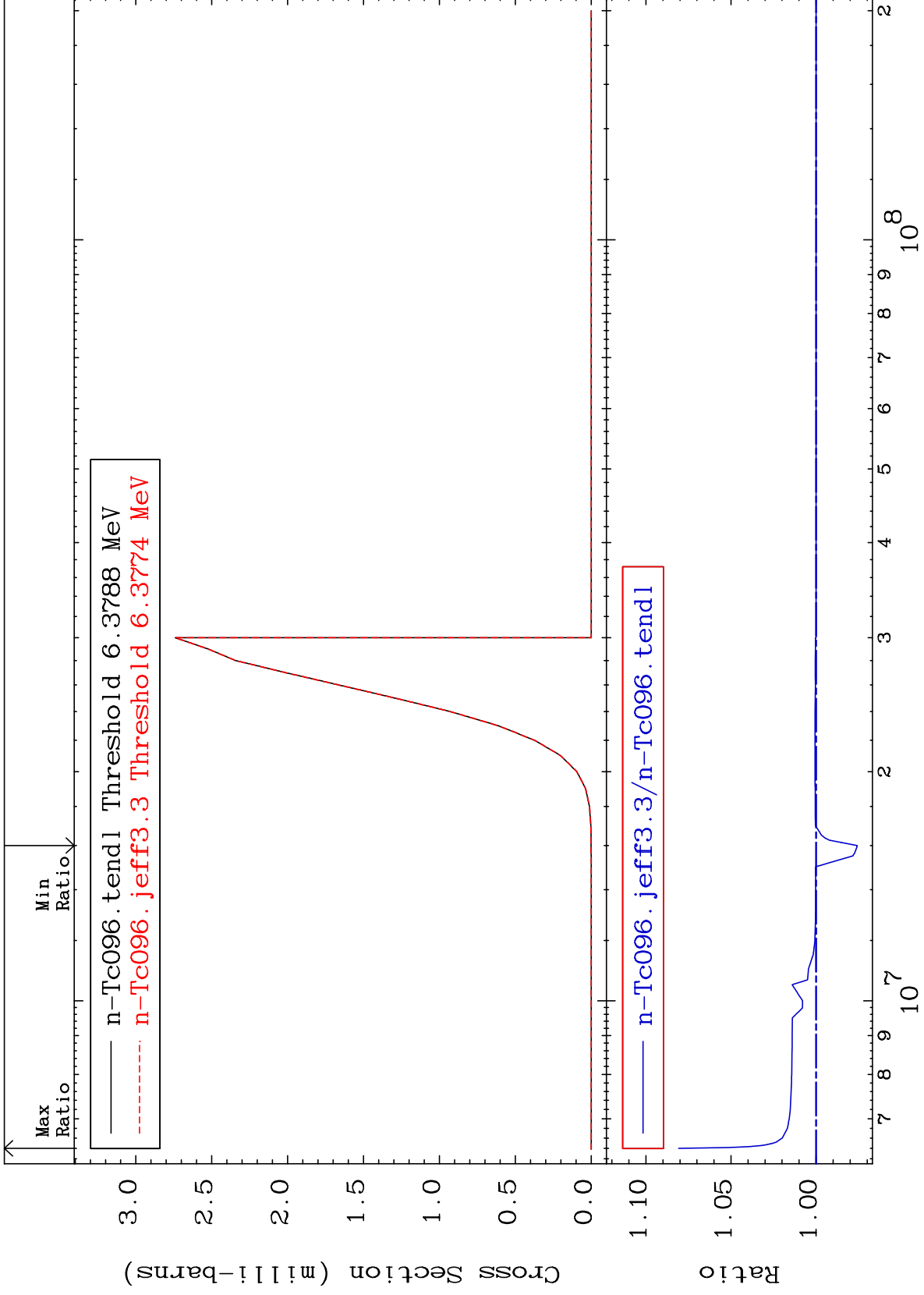
43-Tc-96

MAT 4316

(n,He-3):41-Nb-94g

43-Tc-96

Radionuclide Production Cross Section -2.419 To 8.077 %



102

Incident Energy (eV)

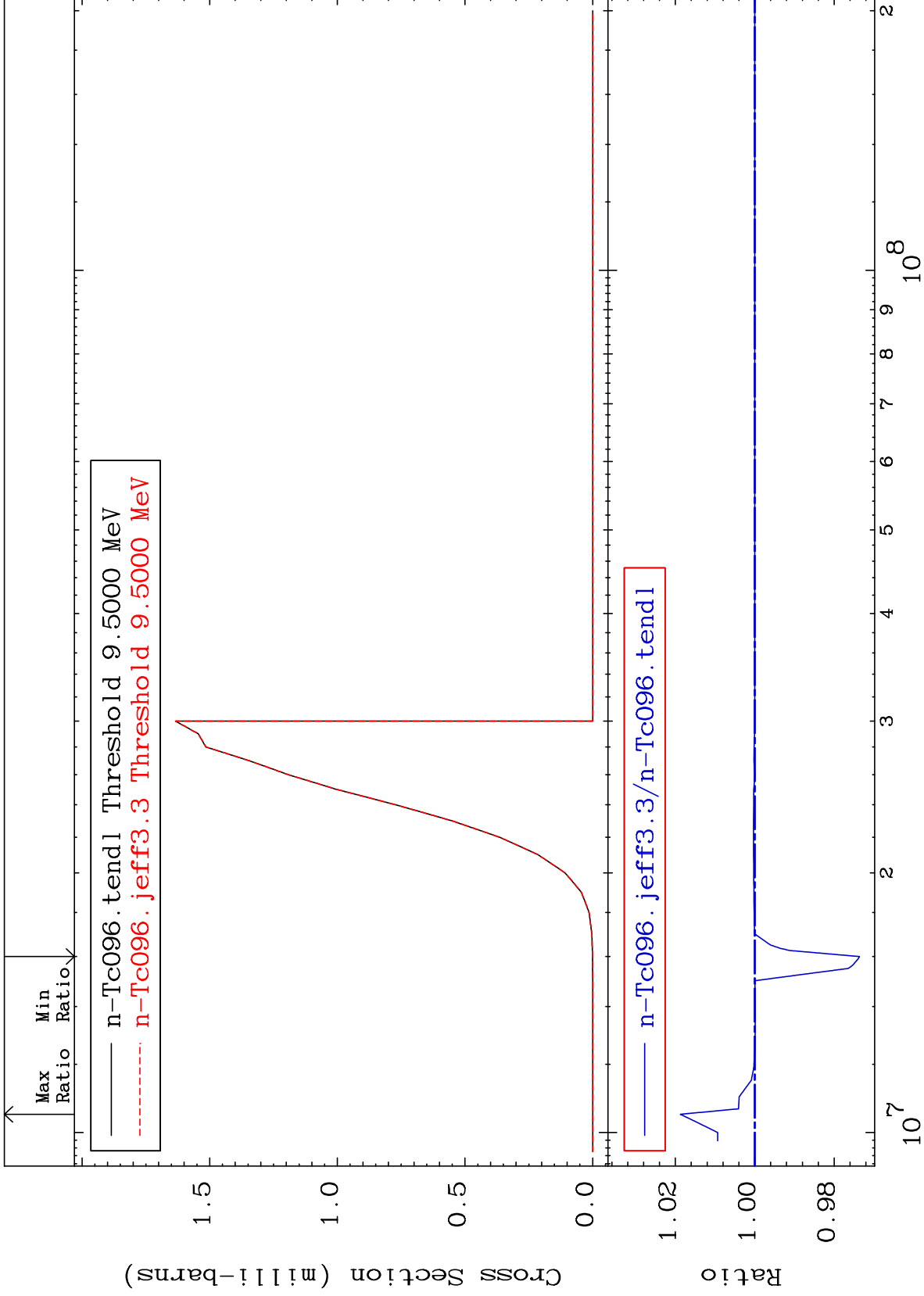
43-Tc-96

MAT 4316

(n,He-3): 41-Nb-94m1

43-Tc-96

Radionuclide Production Cross Section -2.636 To 1.874 %



103

Incident Energy (eV)

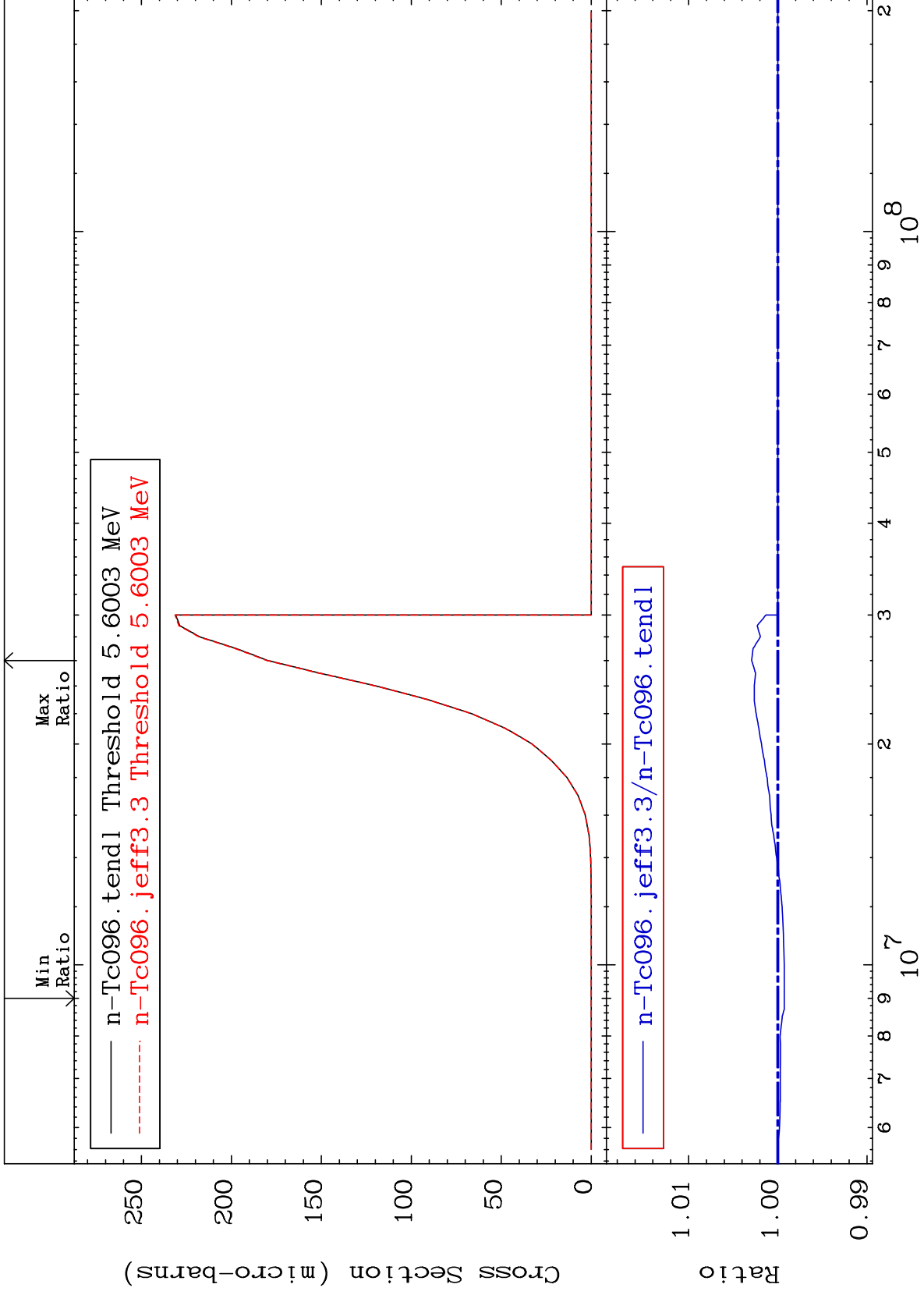
43-Tc-96

MAT 4316

(n,2p) : 41-Nb-95g

43-Tc-96

Radionuclide Production Cross Section -0.073 To 0.293 %



104

Incident Energy (eV)

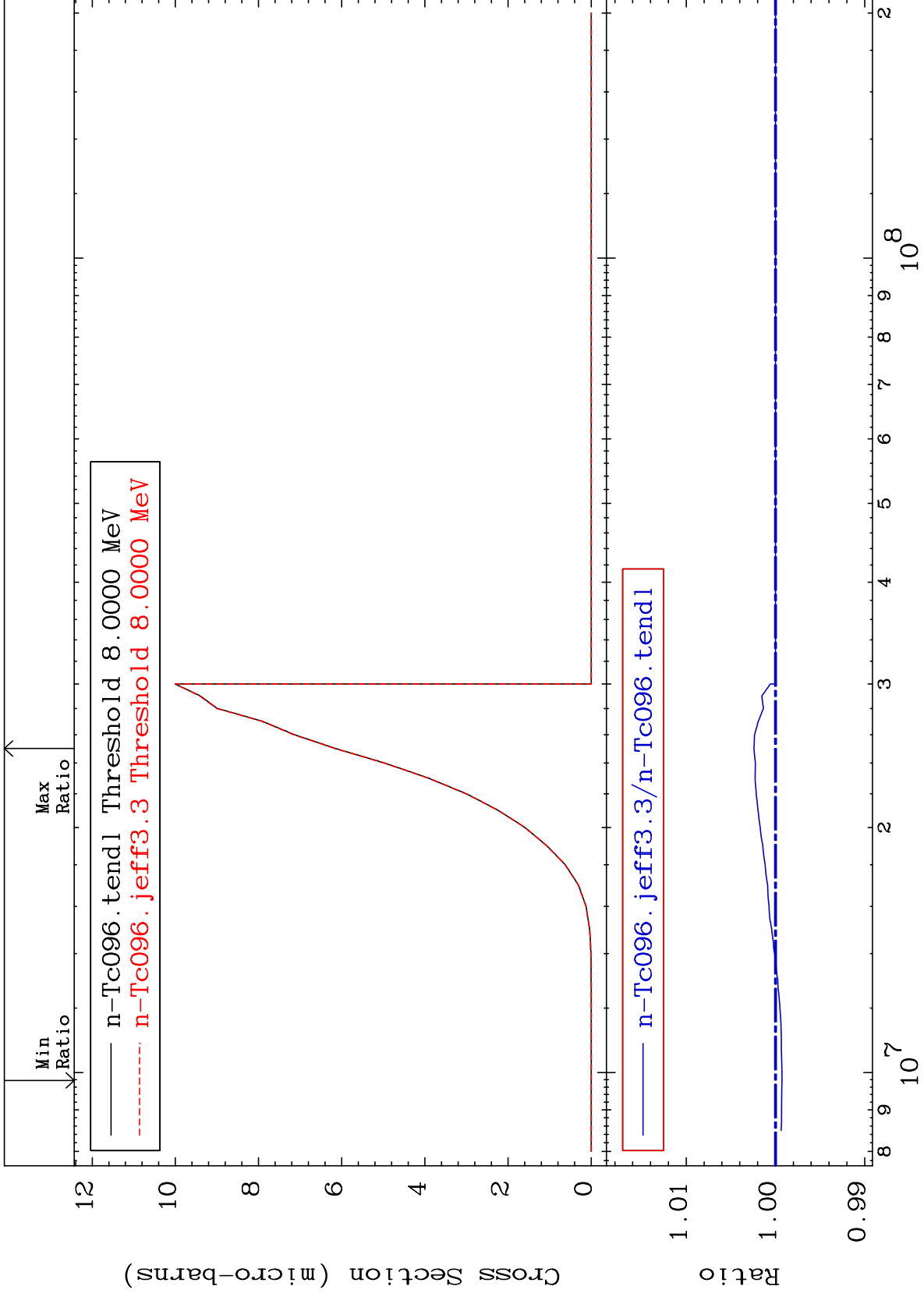
43-Tc-96

MAT 4316

(n,2p):41-Nb-95m1

43-Tc-96

Radionuclide Production Cross Section -0.073 To 0.242 %



105

Incident Energy (eV)

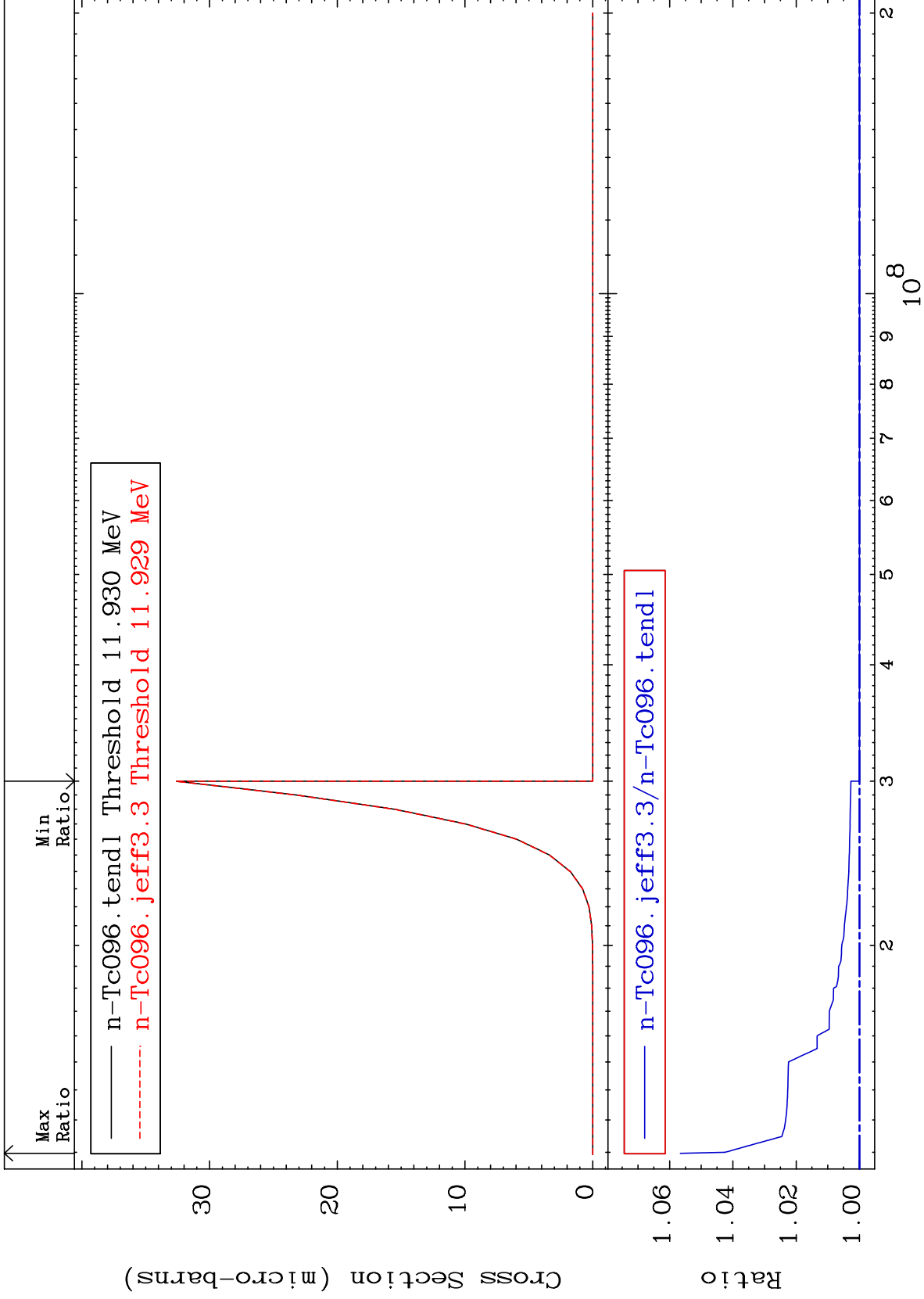
43-Tc-96

MAT 4316

(n, p) d:41-Nb-94g

43-Tc-96

Radionuclide Production Cross Section 0.000 To 5.661 %



106

Incident Energy (eV)

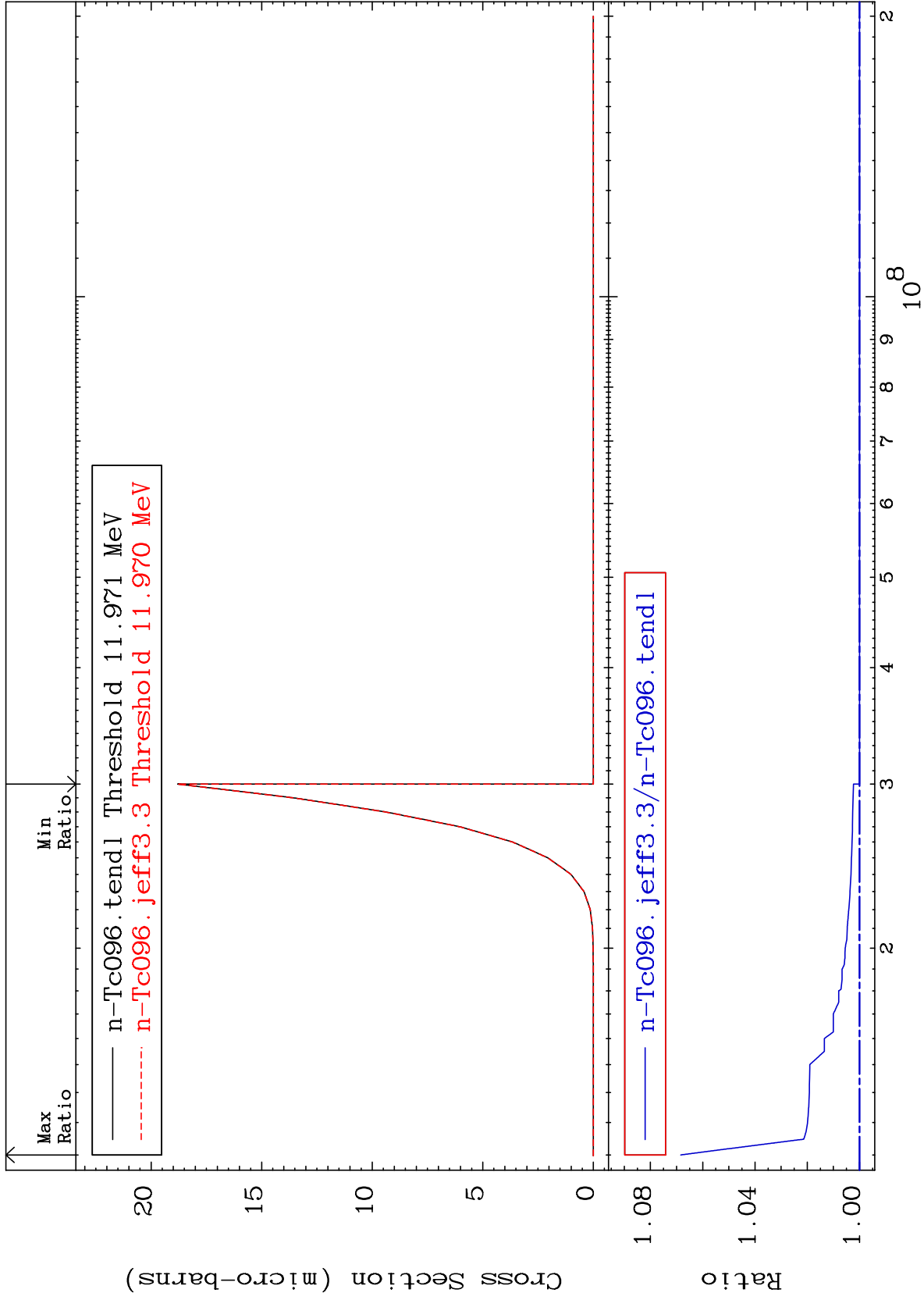
43-Tc-96

MAT 4316

(n, p) d:41-Nb-94m1

43-Tc-96

Radionuclide Production Cross Section 0.000 To 6.839 %



107

Incident Energy (eV)

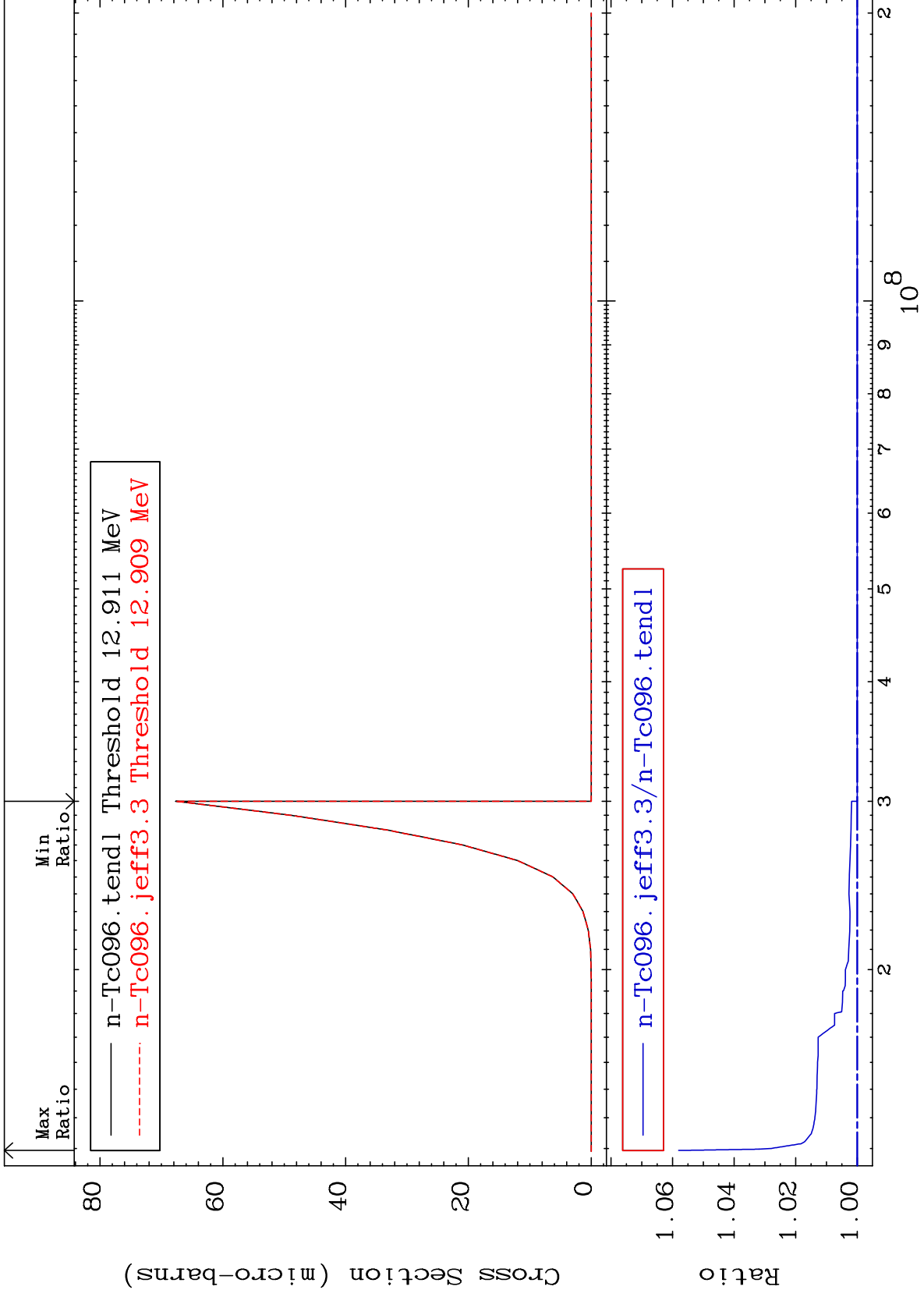
43-Tc-96

MAT 4316

(n, p) t:41-Nb-93g

43-Tc-96

Radionuclide Production Cross Section 0.000 To 5.804 %



108

Incident Energy (eV)

43-Tc-96

Radionuclide Production Cross Section -0.041 To 4.493 %

