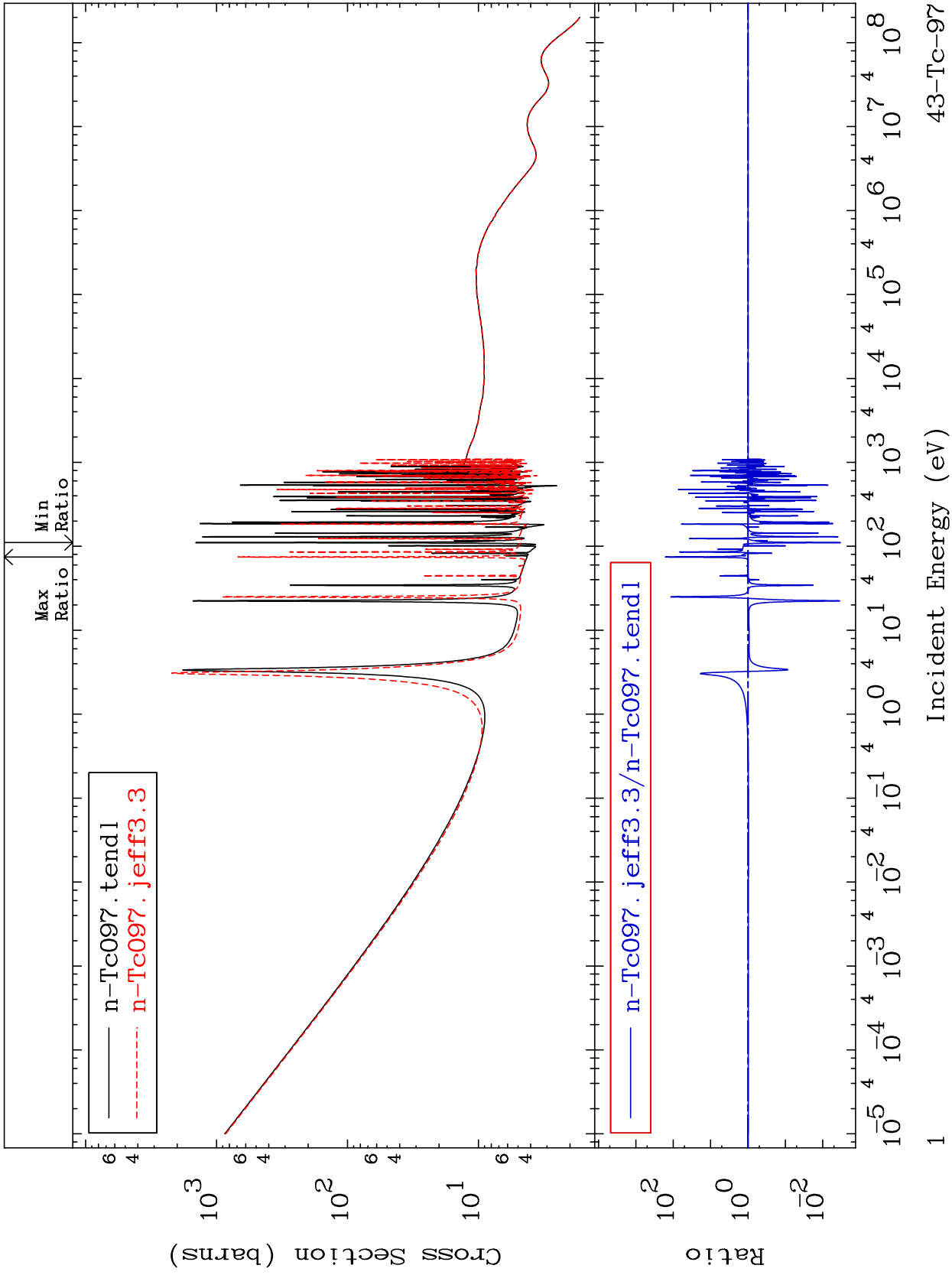


MAT 4319

43-Tc-97

-99.67 To 9999. %

Total
Cross Section



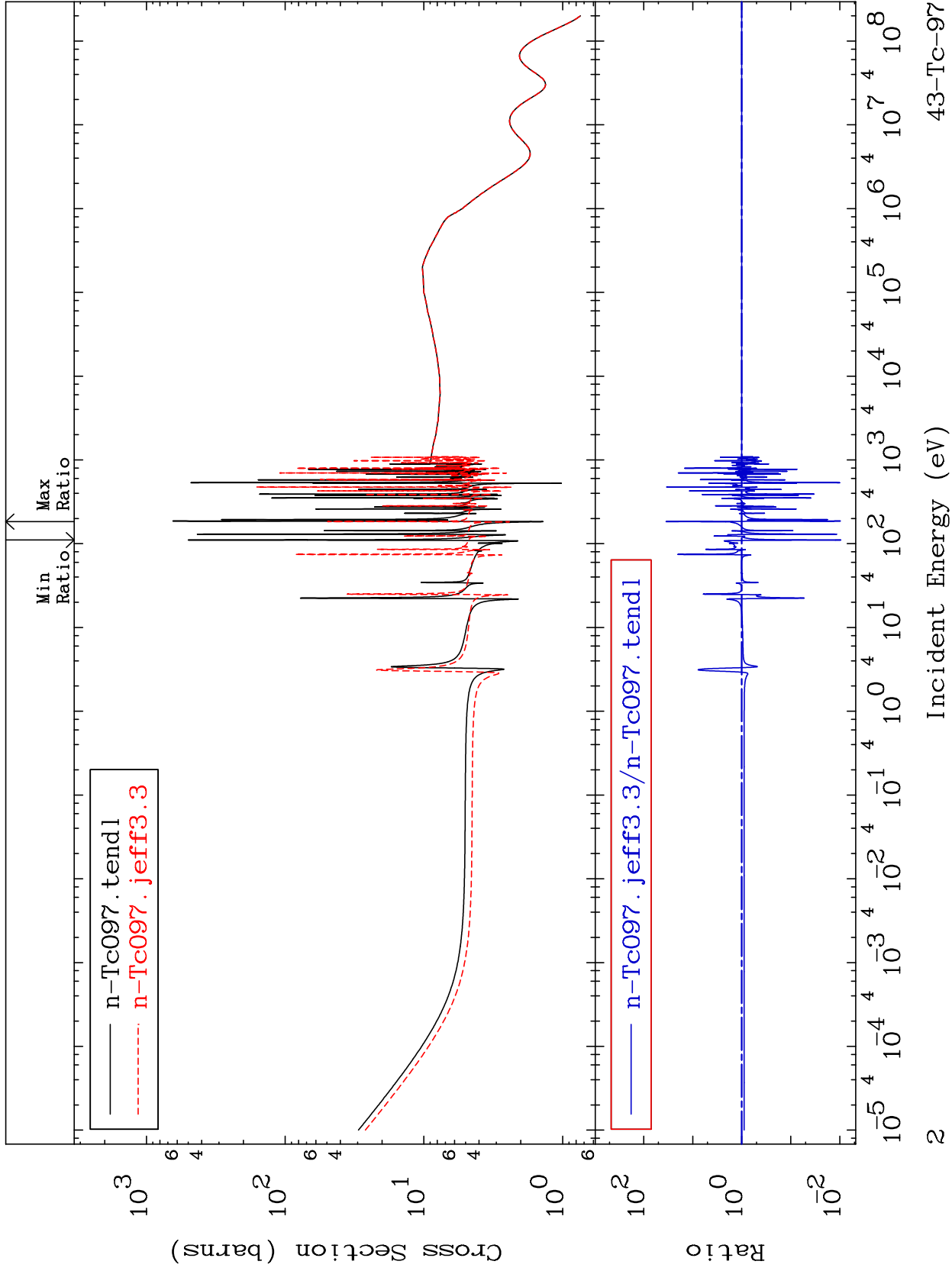
MAT 4319

Elastic

⁴³Tc-97

Cross Section

-99.05 To 3418. %



⁴³Tc-97

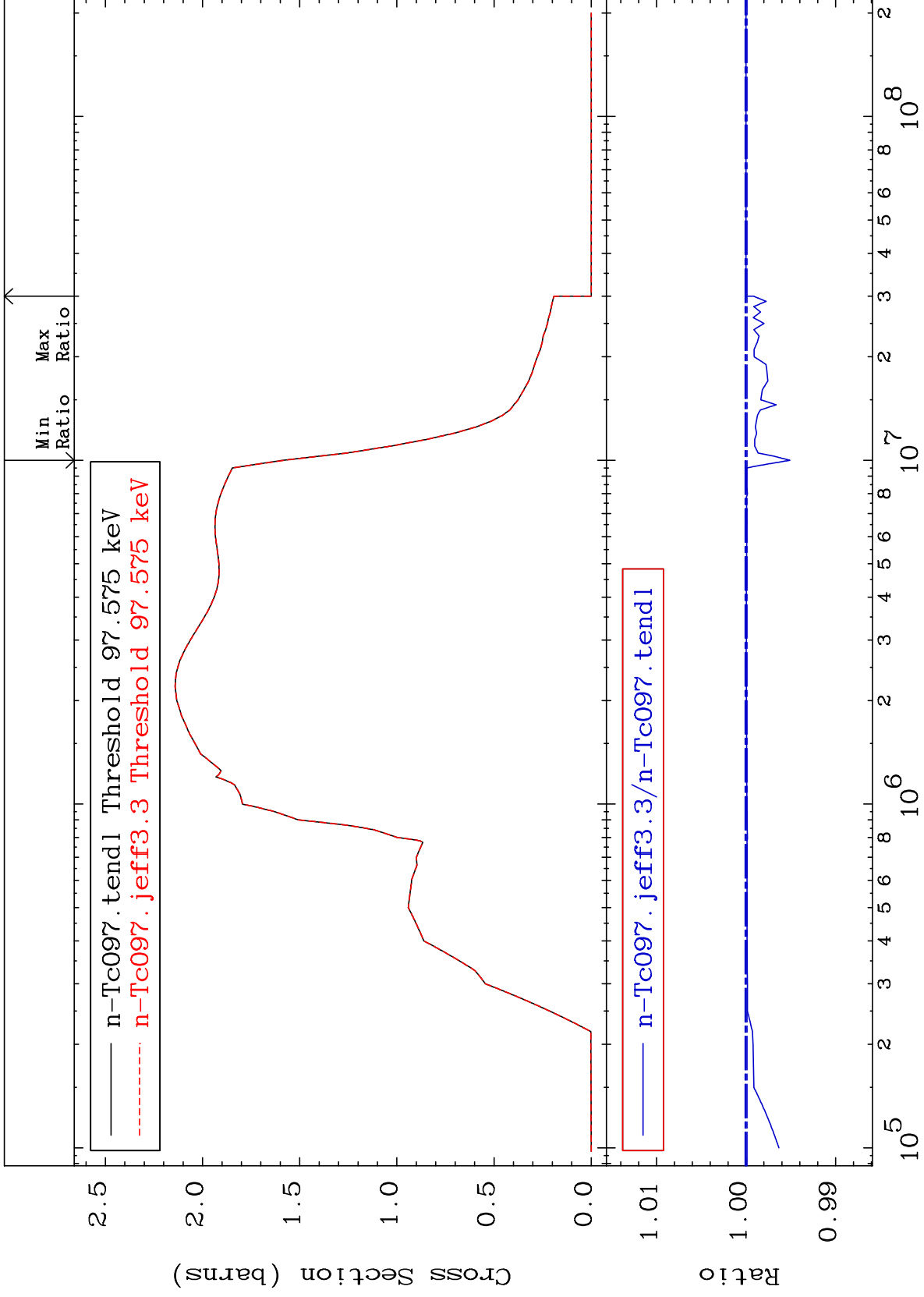
Incident Energy (eV)

2

MAT 4319

Inelastic
Cross Section

43-Tc-97
-0.489 To 0.000 %



Incident Energy (eV)

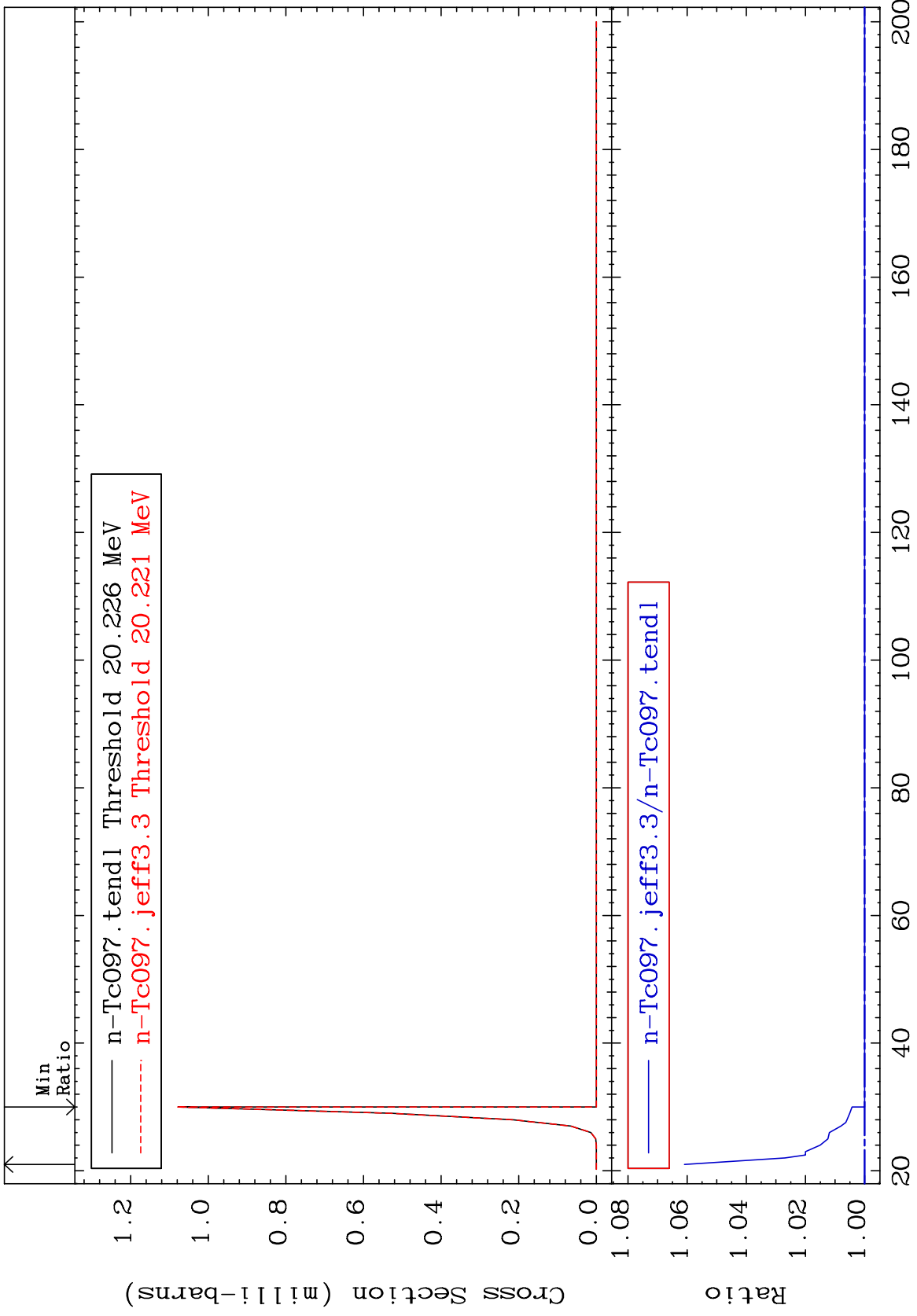
43-Tc-97

3

MAT 4319

(n,2n) d
Cross Section

43-Tc-97
0.000 To 6.092 %



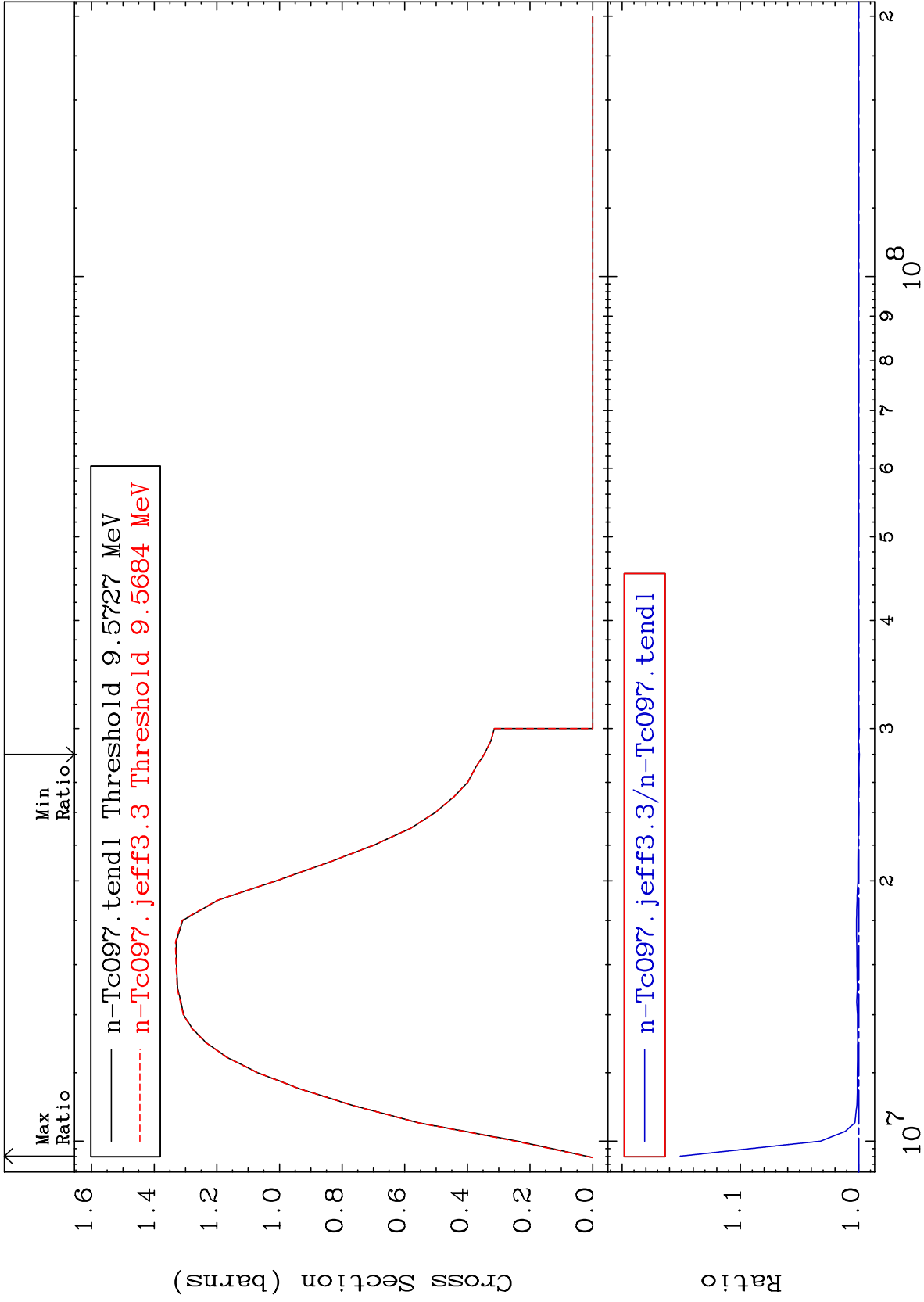
MAT 4319

(n,2n)

43-Tc-97

Cross Section

-0.072 To 15.08 %



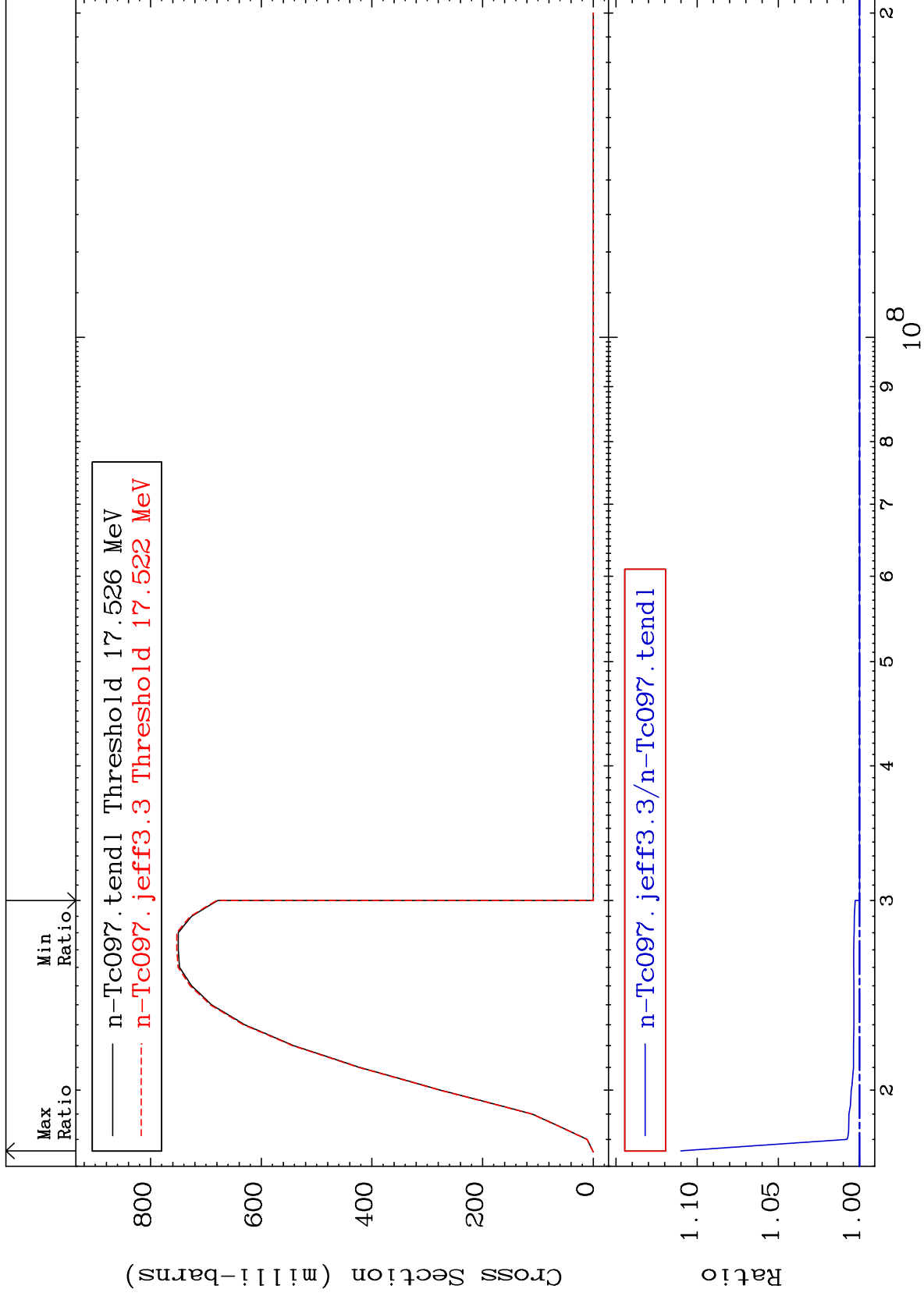
MAT 4319

(n,3n)

43-Tc-97

Cross Section

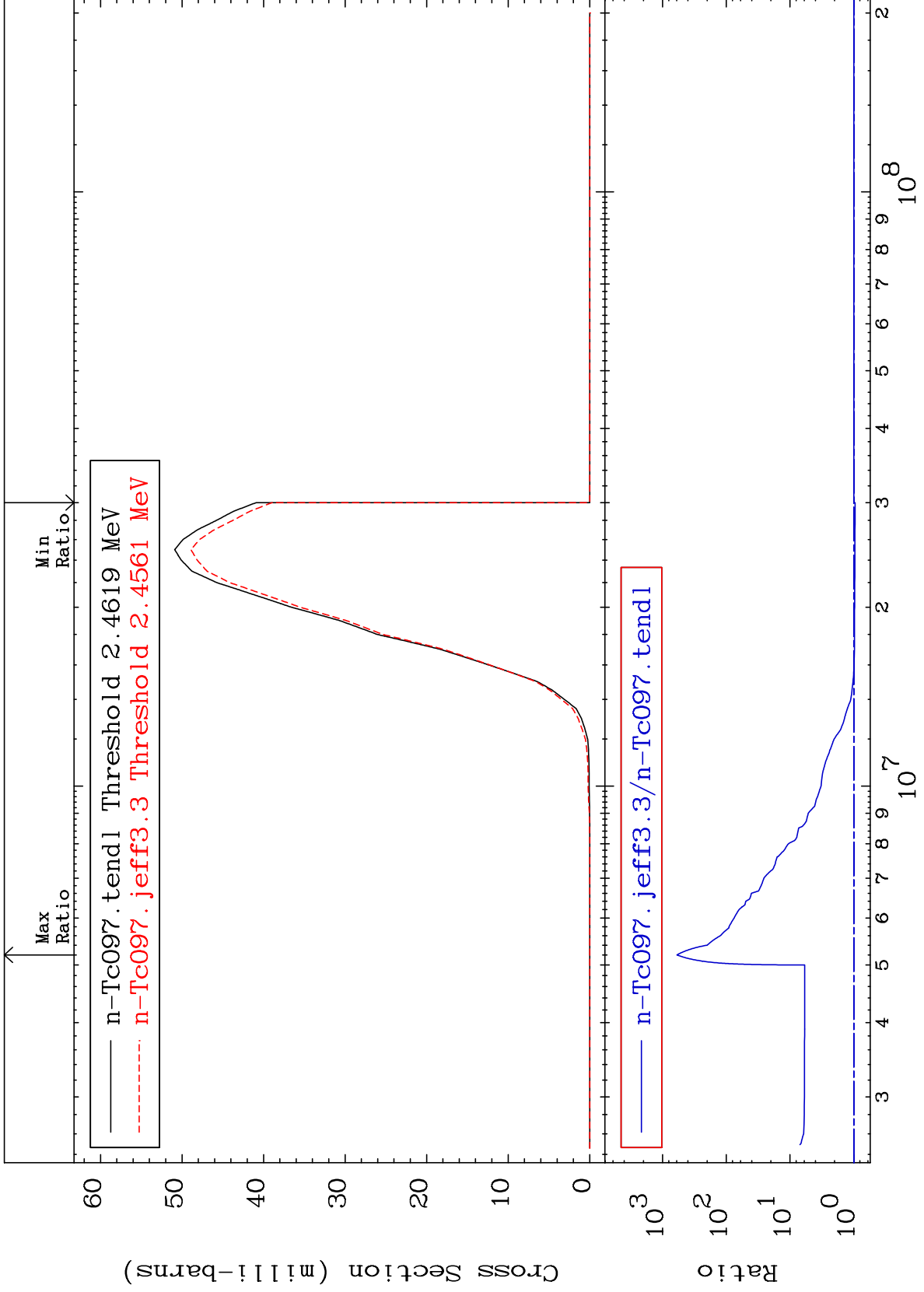
0.000 To 11.01 %



MAT 4319

(n,n') α
Cross Section

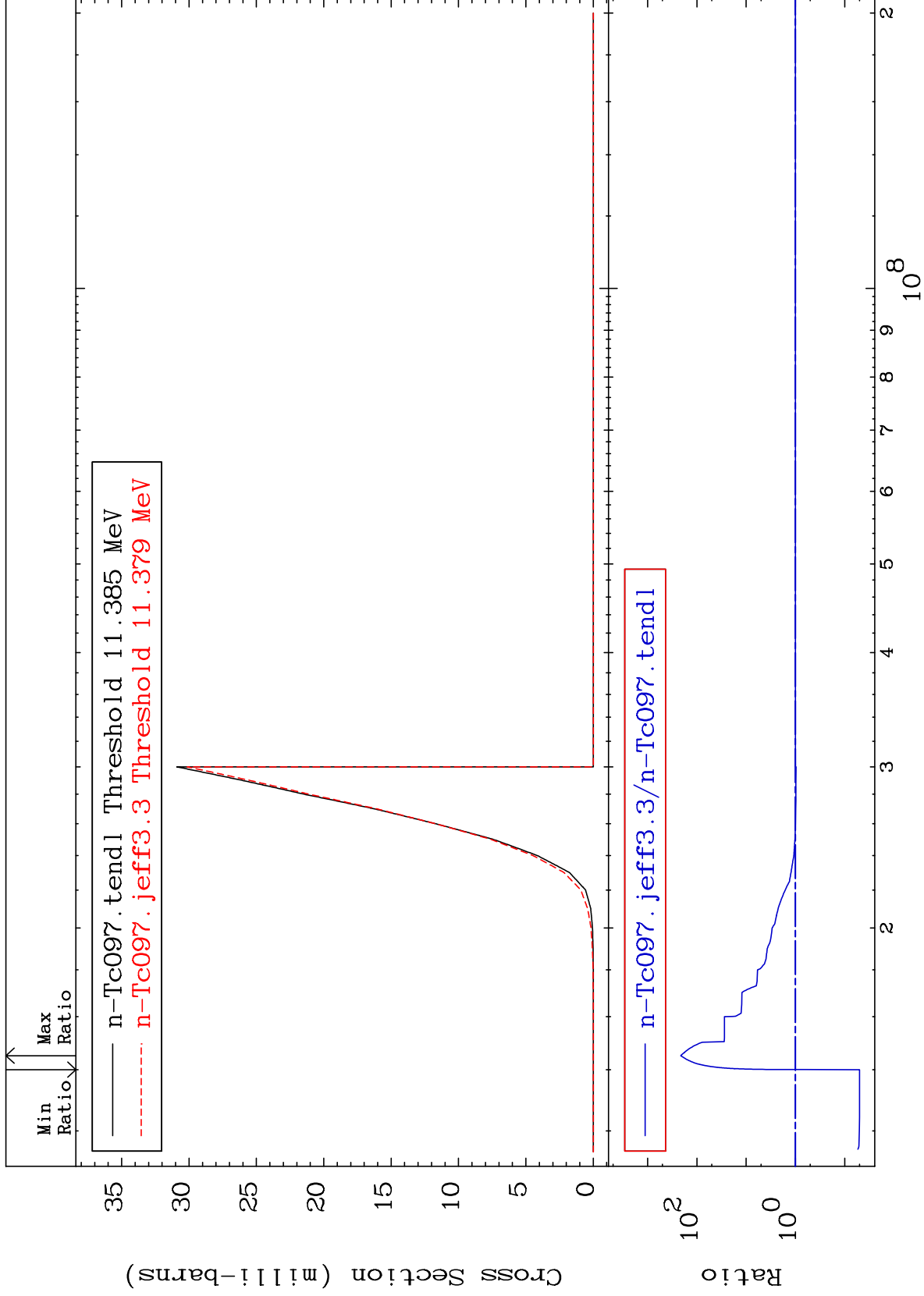
43-Tc-97
-4.684 To 9999. %



MAT 4319

(n,2n) α
Cross Section

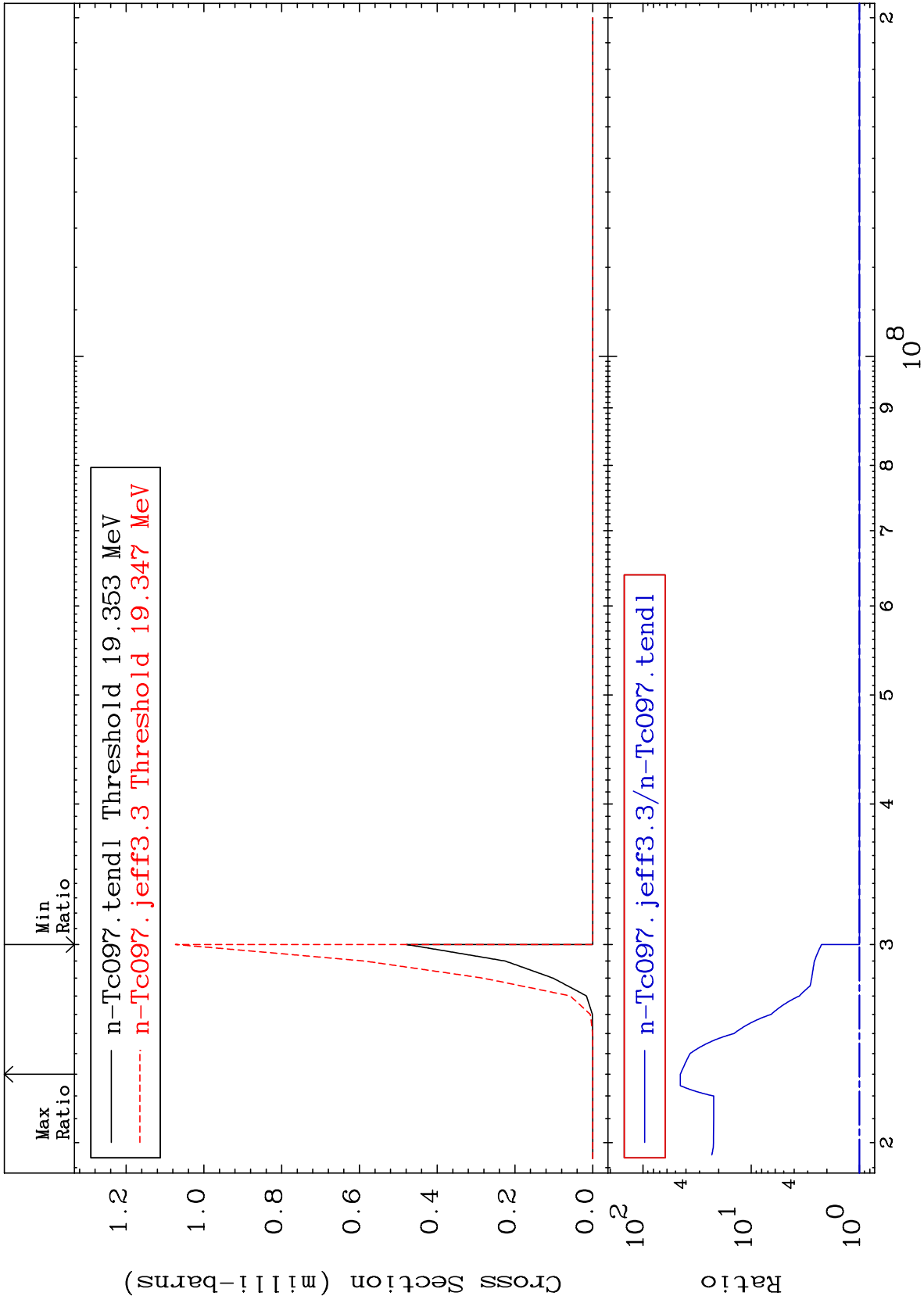
43-Tc-97
-95.00 To 9999. %



MAT 4319

(n,3n) α
Cross Section

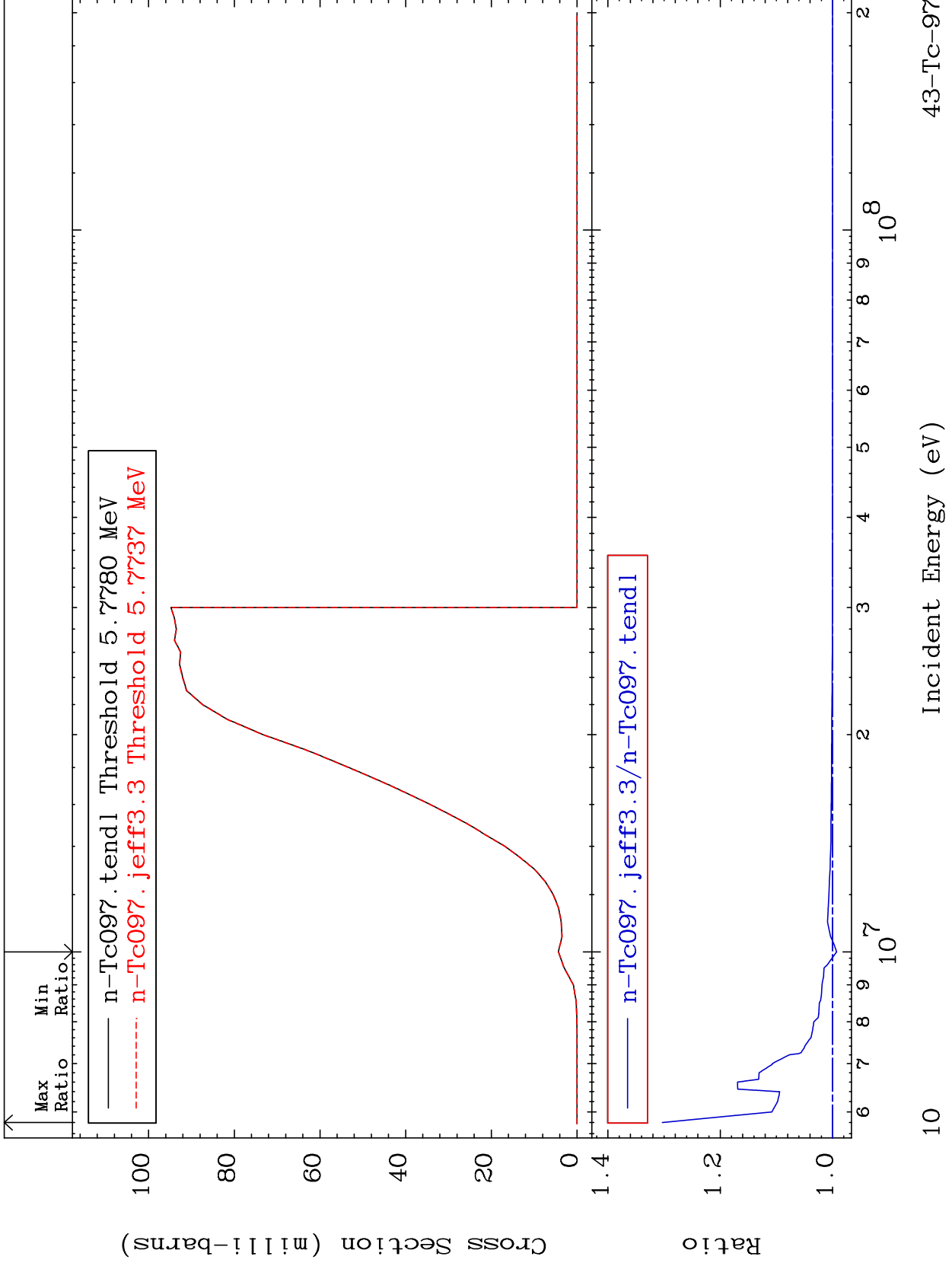
43-Tc-97
0.000 To 4409. %



MAT 4319

(n, n') p
Cross Section

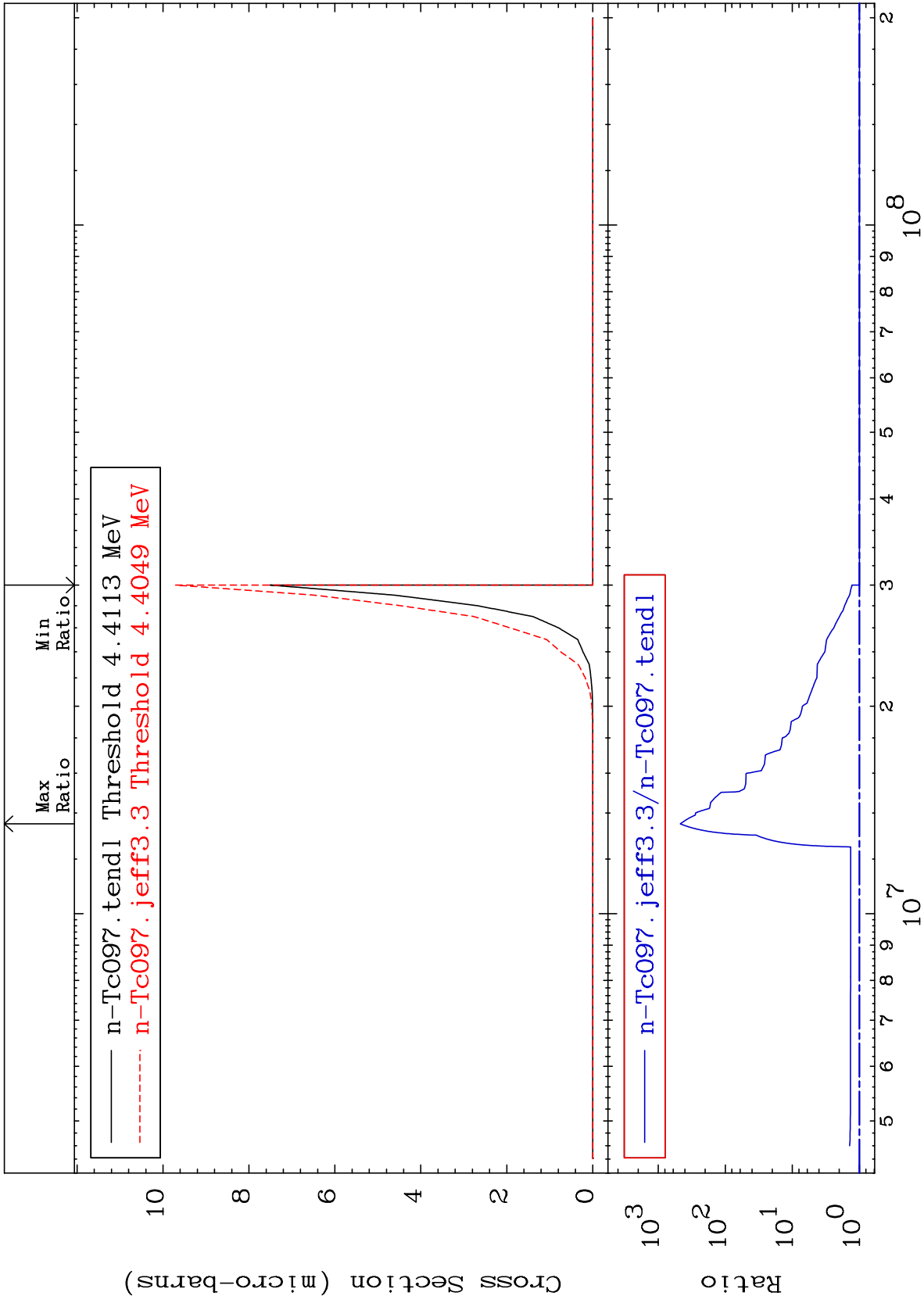
43-Tc-97
-0.722 To 30.32 %



MAT 4319

(n, n') 2α
Cross Section

43-Tc-97
To 9999. %
0.000



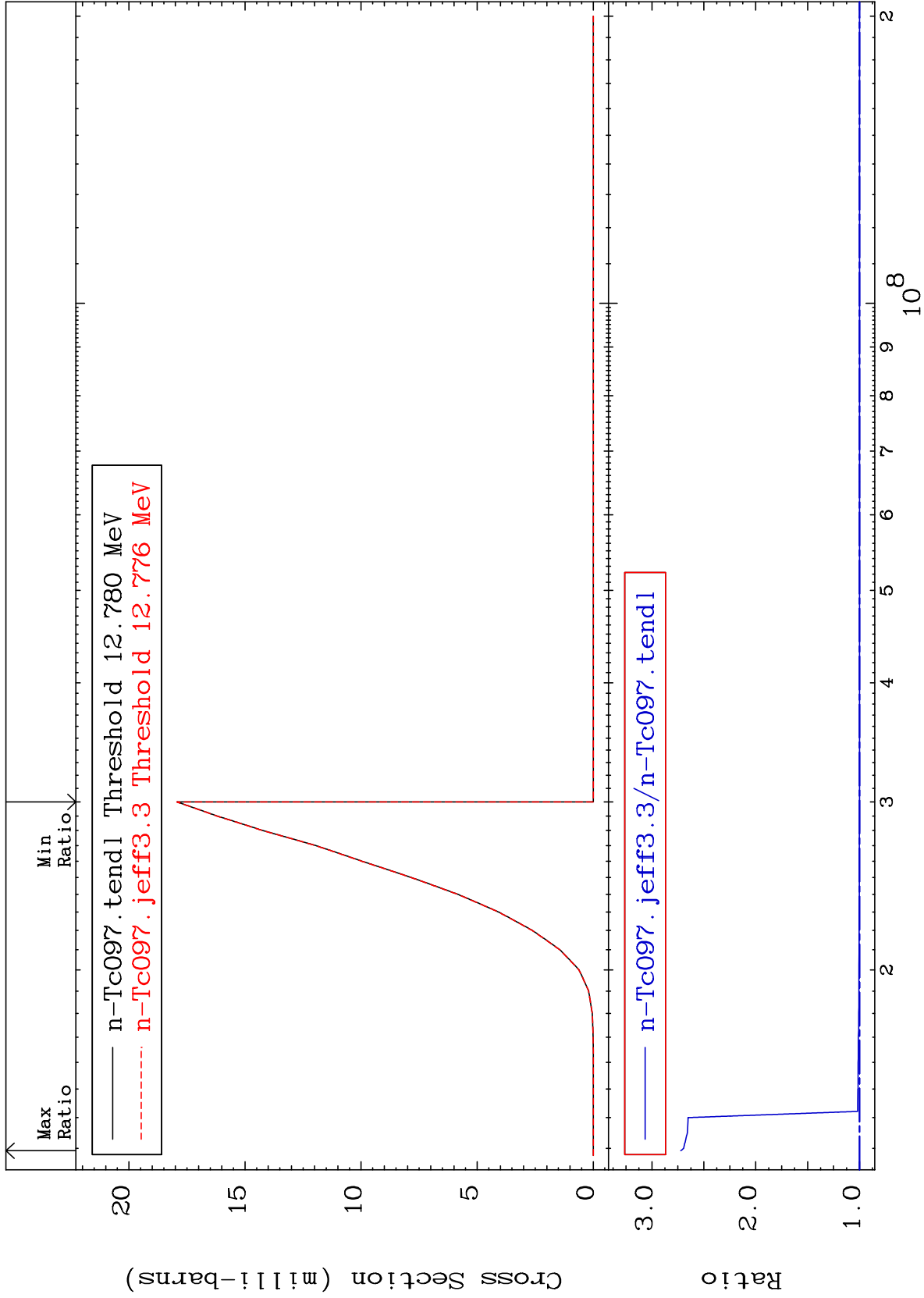
MAT 4319

(n,n') d

43-Tc-97

Cross Section

0.000 To 172.2 %



12

Incident Energy (eV)

43-Tc-97

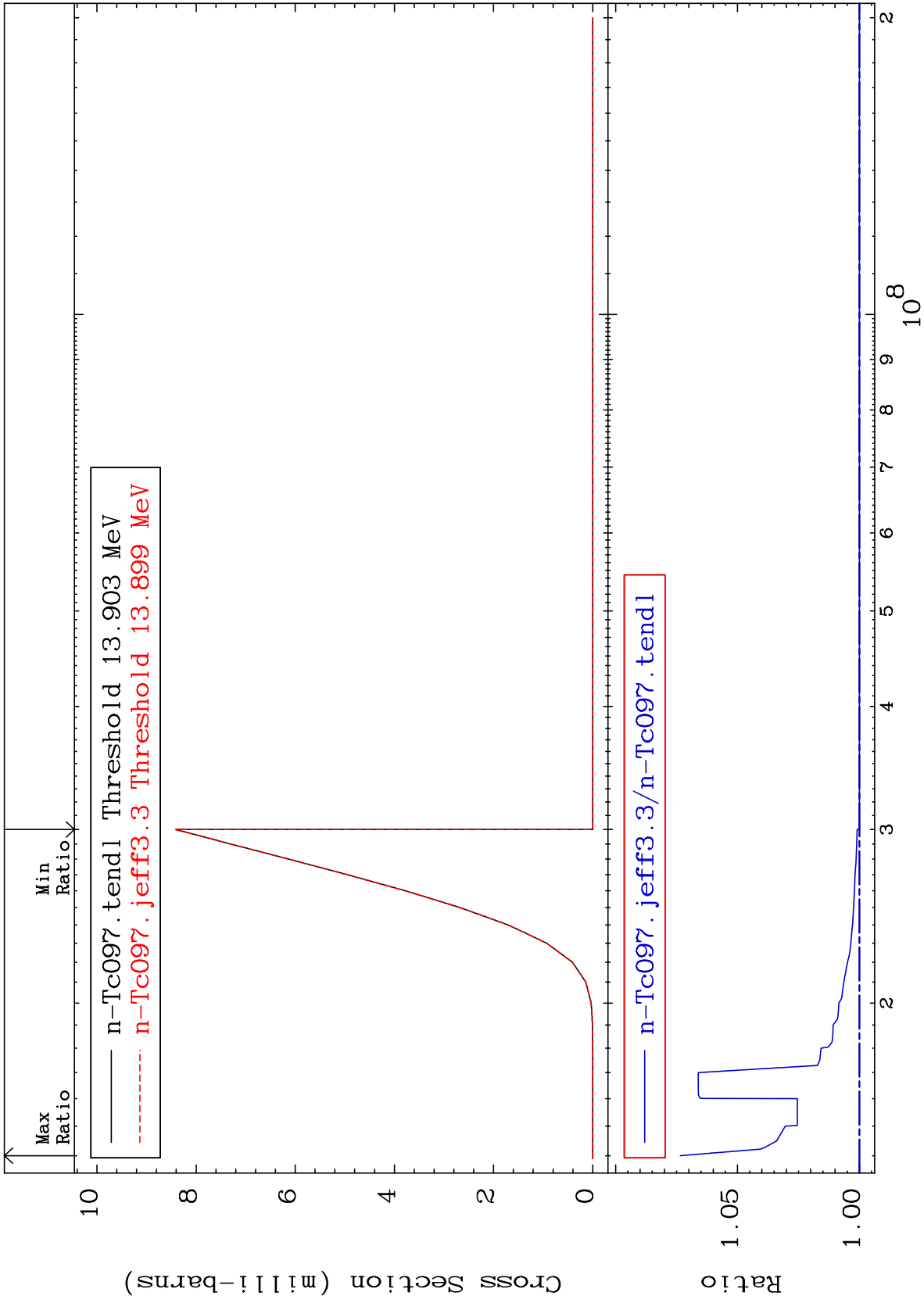
MAT 4319

(n,n') t

43-Tc-97

Cross Section

0.000 To 7.346 %



13

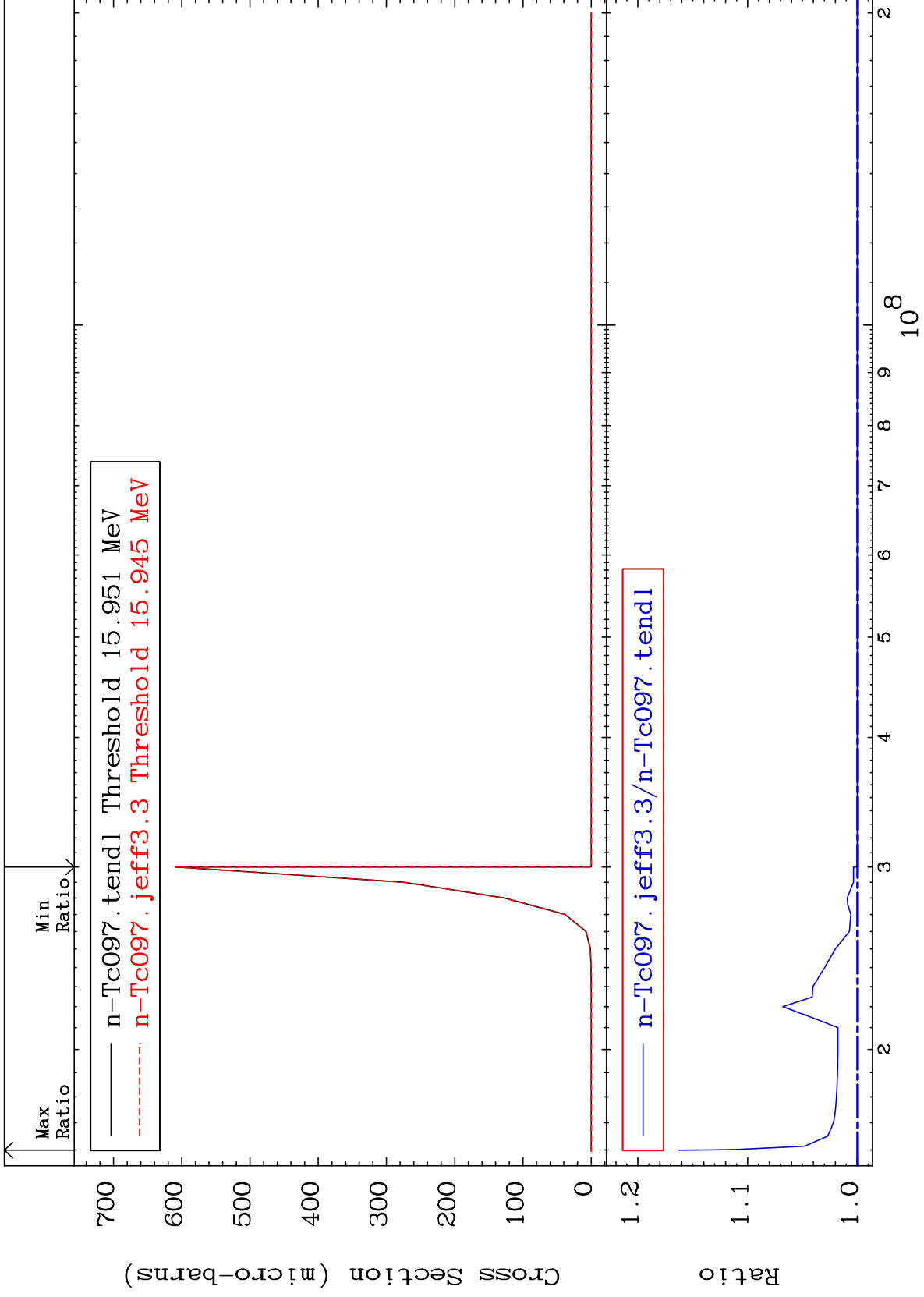
Incident Energy (eV)

43-Tc-97

MAT 4319

(n, n') He-3
Cross Section

43-Tc-97
0.000 To 16.28 %



14

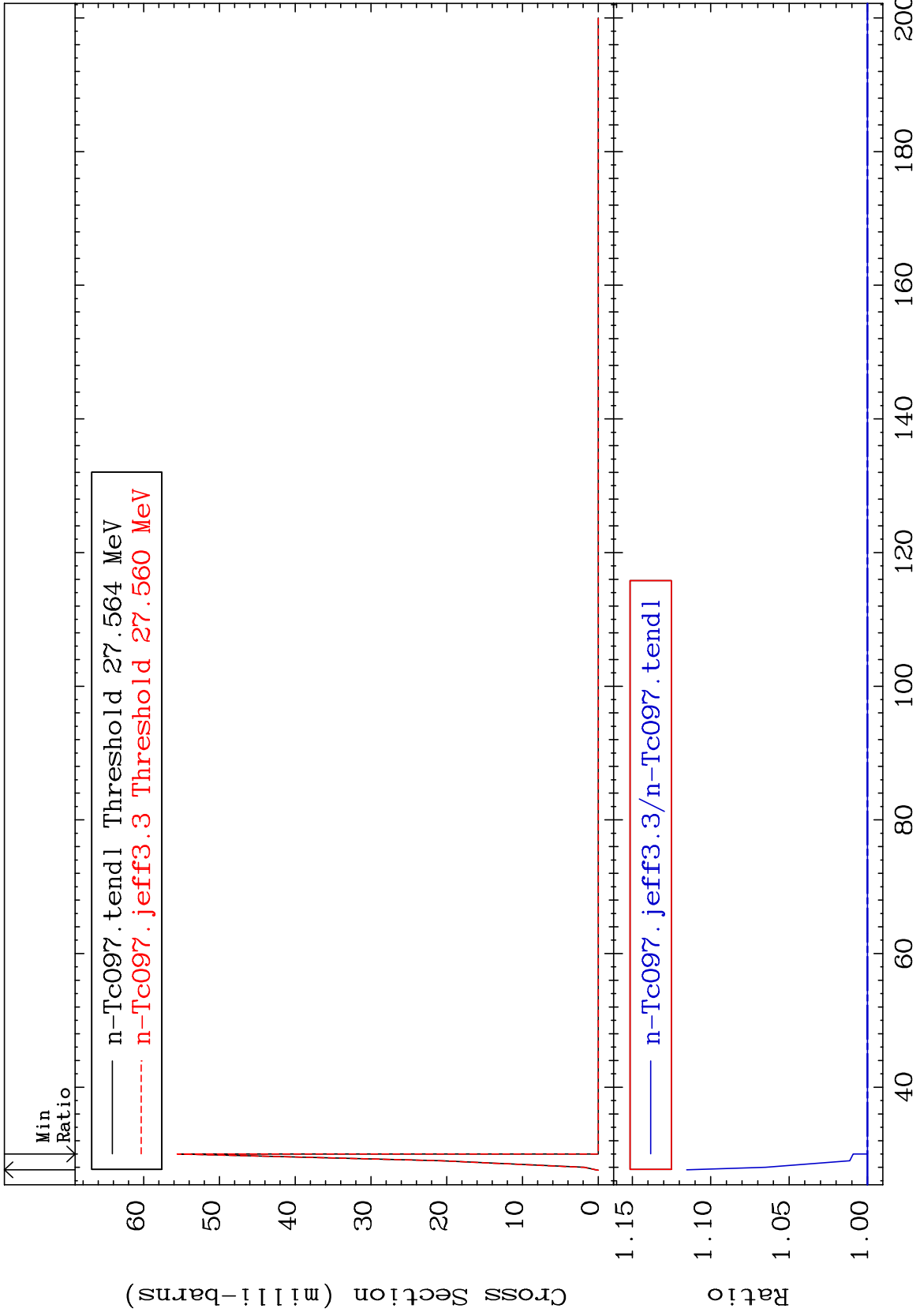
43-Tc-97

43-Tc-97

MAT 4319

(n,4n)
Cross Section

43-Tc-97
0.000 To 11.53 %



15

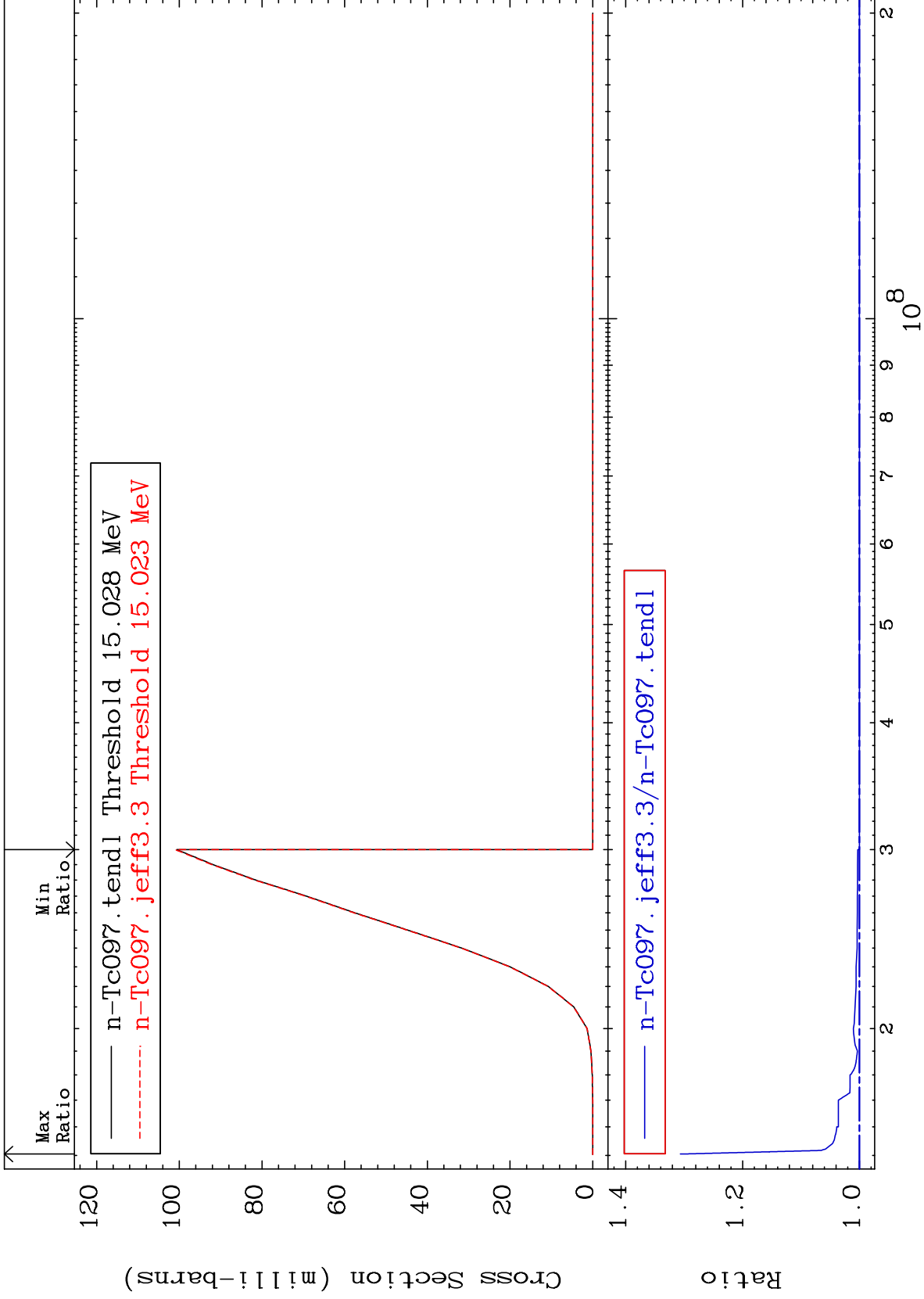
Incident Energy (MeV)

43-Tc-97

MAT 4319

(n,2n) p
Cross Section

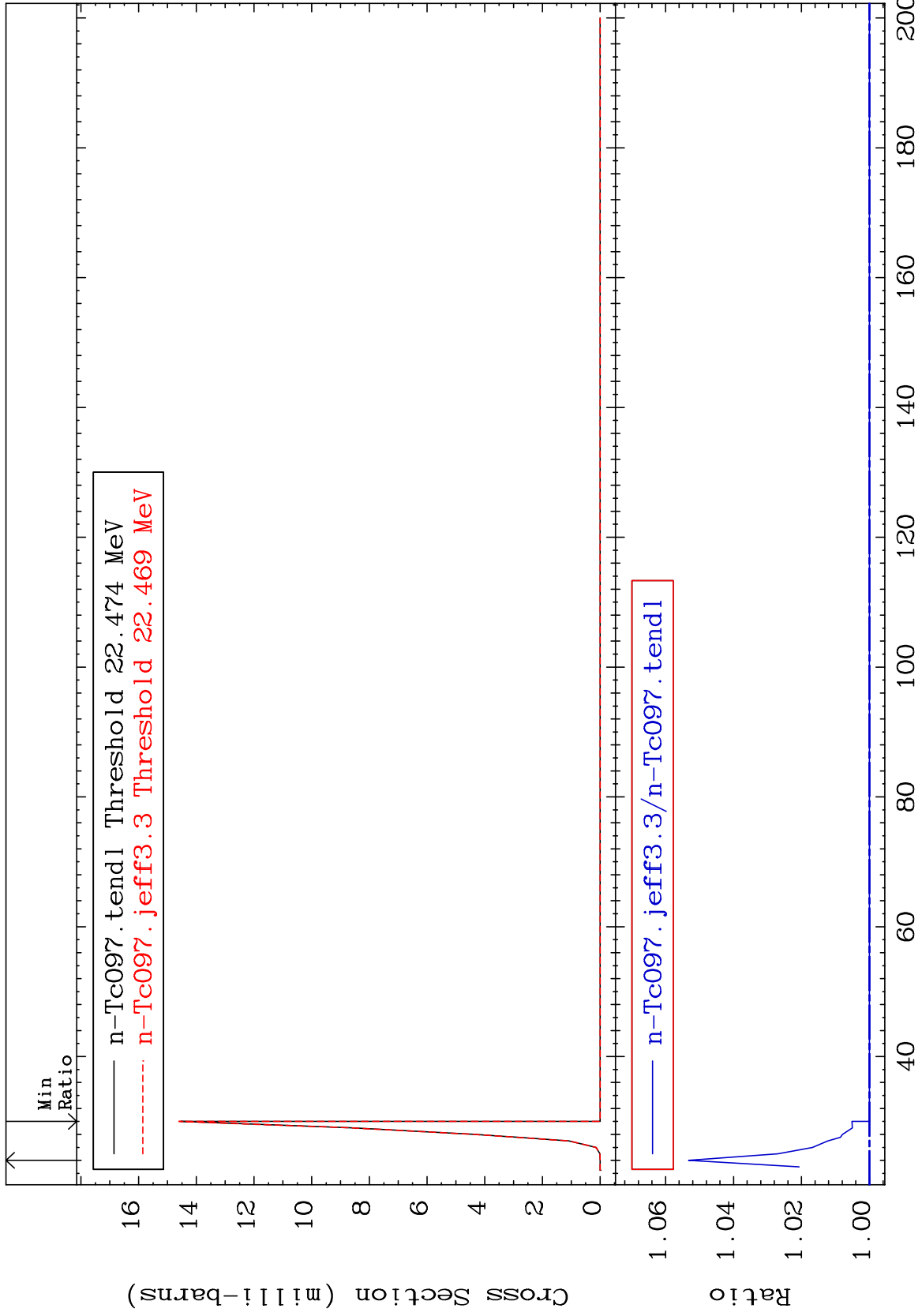
43-Tc-97
0.000 To 30.65 %



MAT 4319

(n,3n) p
Cross Section

43-Tc-97
0.000 To 5.323 %



17

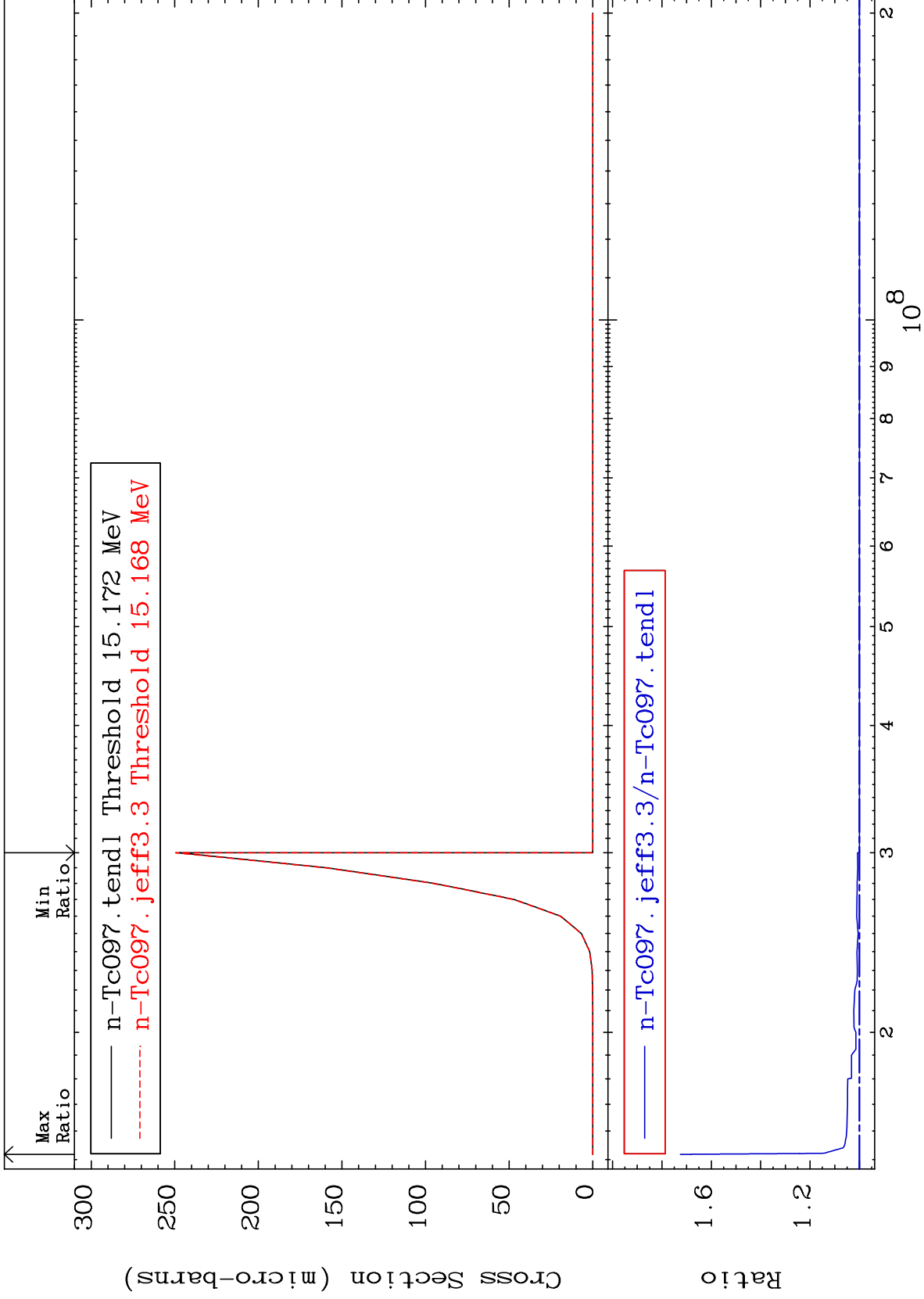
Incident Energy (MeV)

43-Tc-97

MAT 4319

(n,2n) p
Cross Section

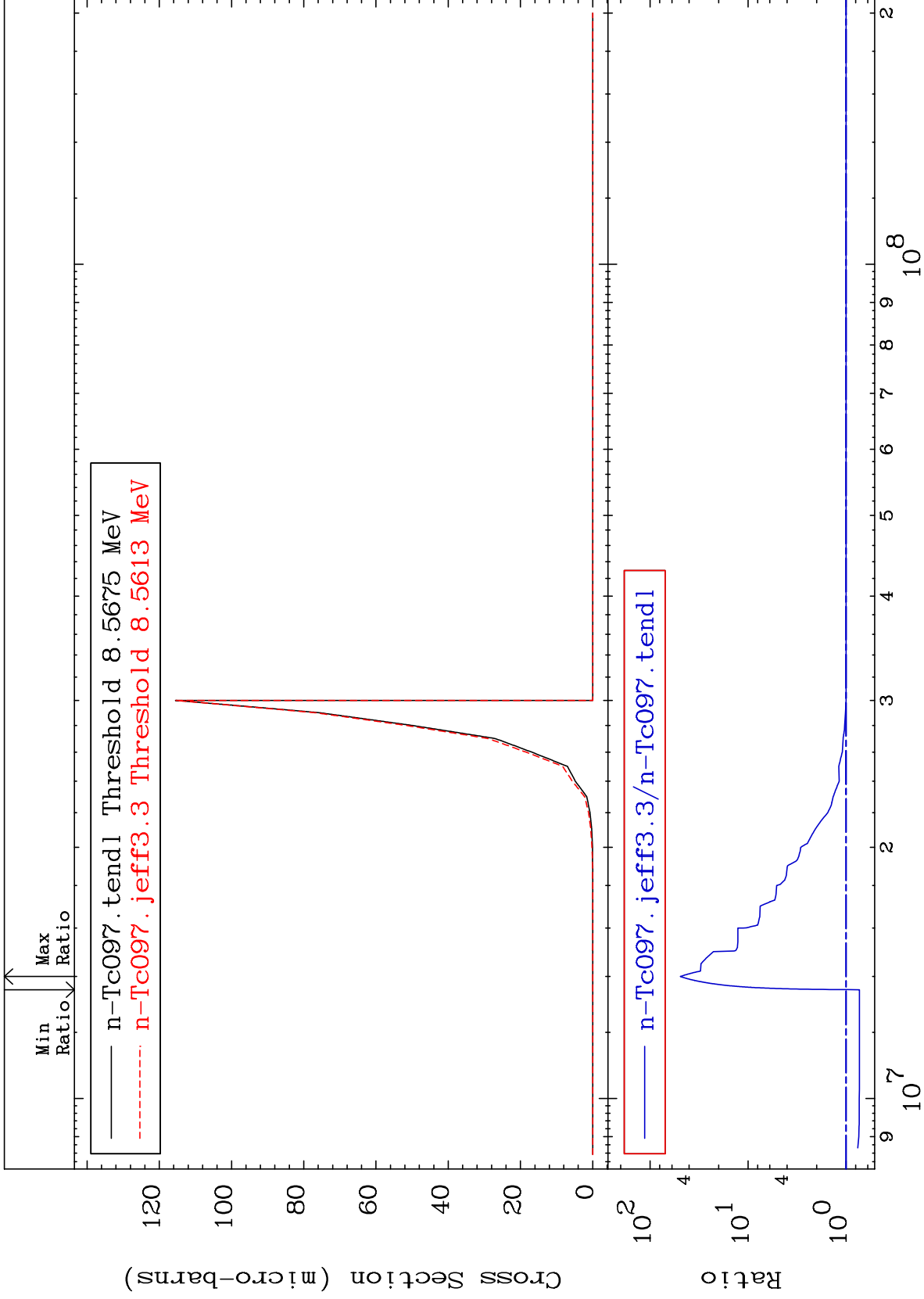
43-Tc-97
0.000 To 72.54 %



MAT 4319

(n,n') p α
Cross Section

43-Tc-97
-26.91 To 4817. %



19

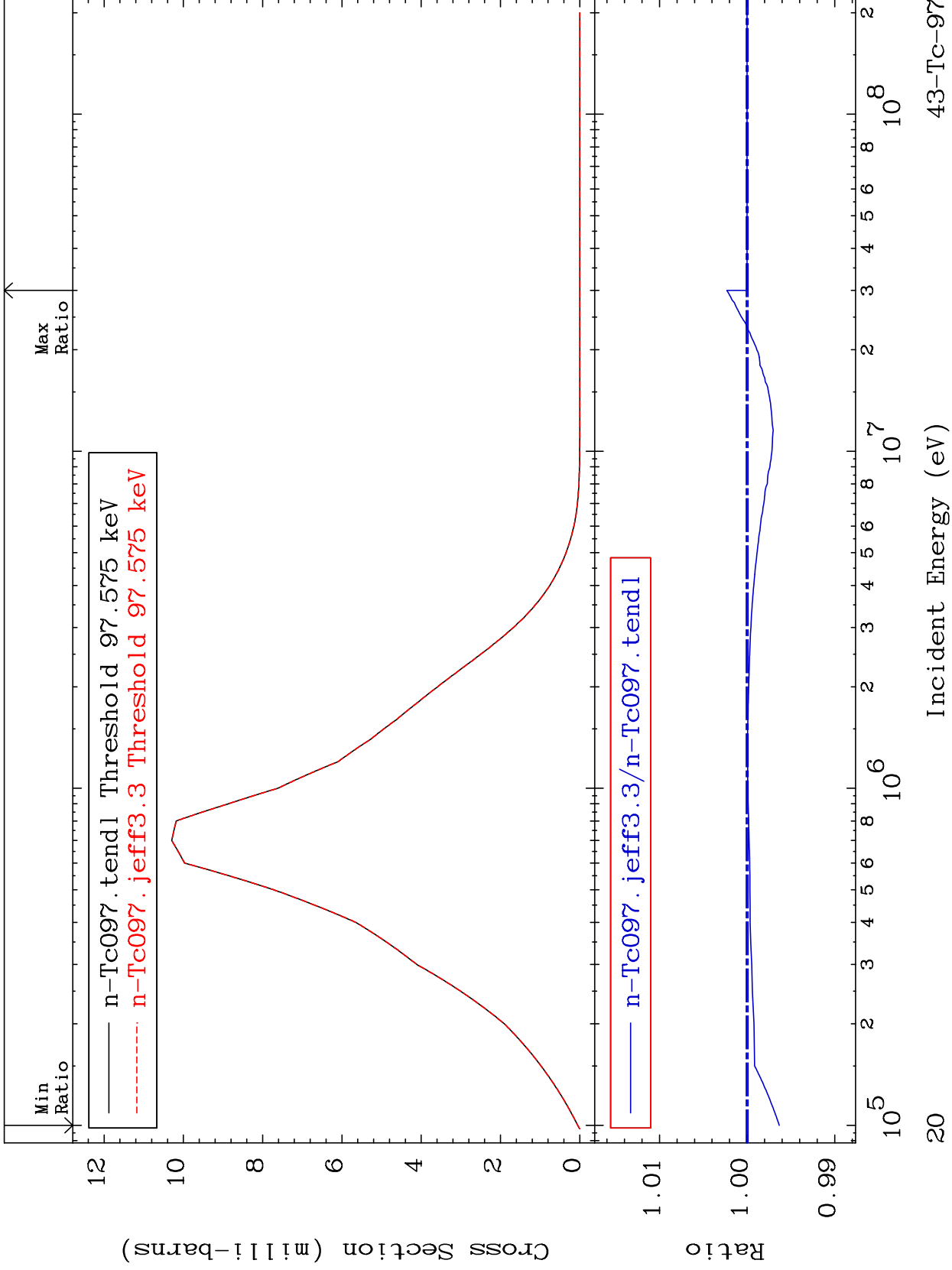
Incident Energy (eV)

43-Tc-97

MAT 4319

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

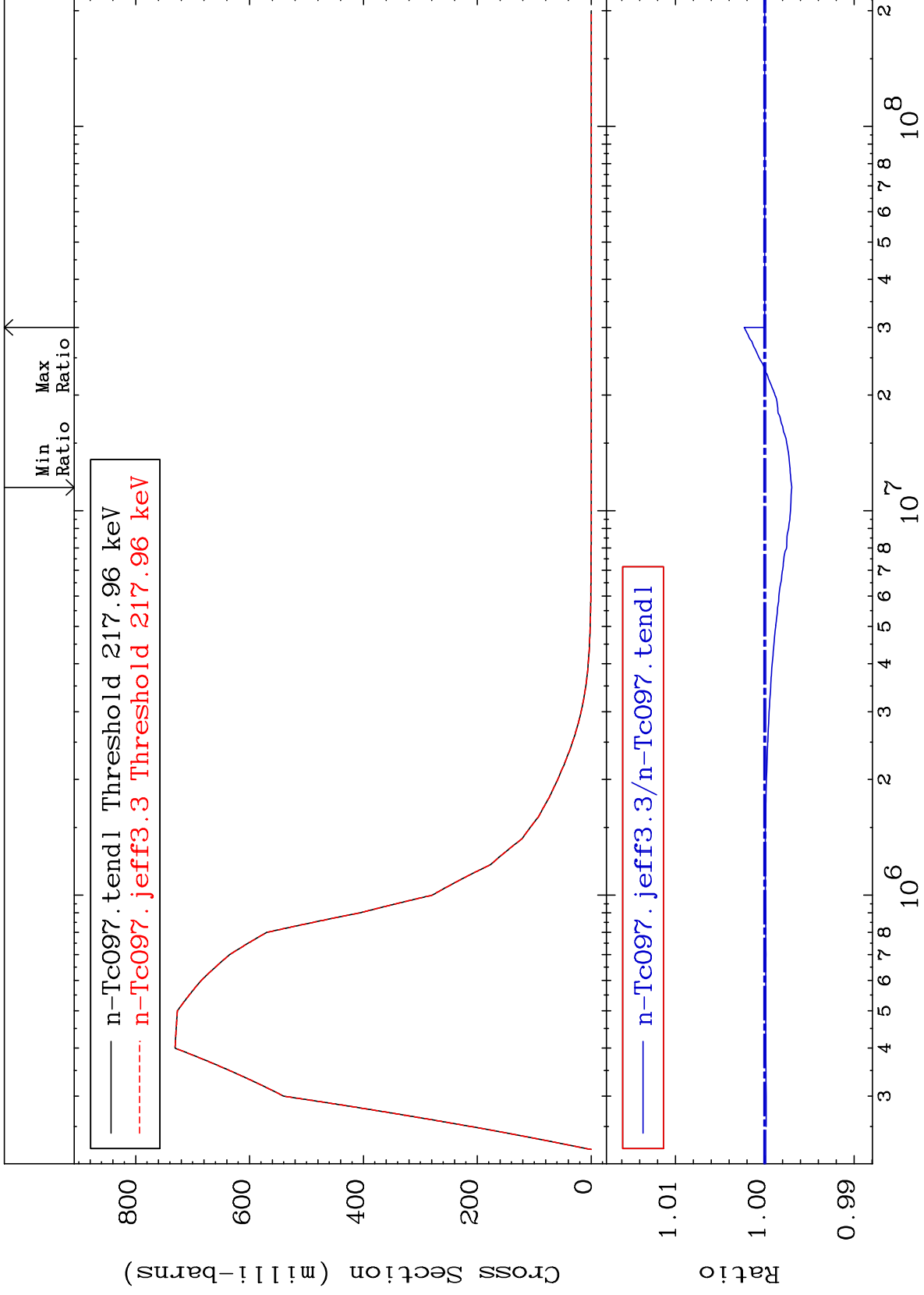
43-Tc-97
-0.367 To 0.230 %



MAT 4319

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

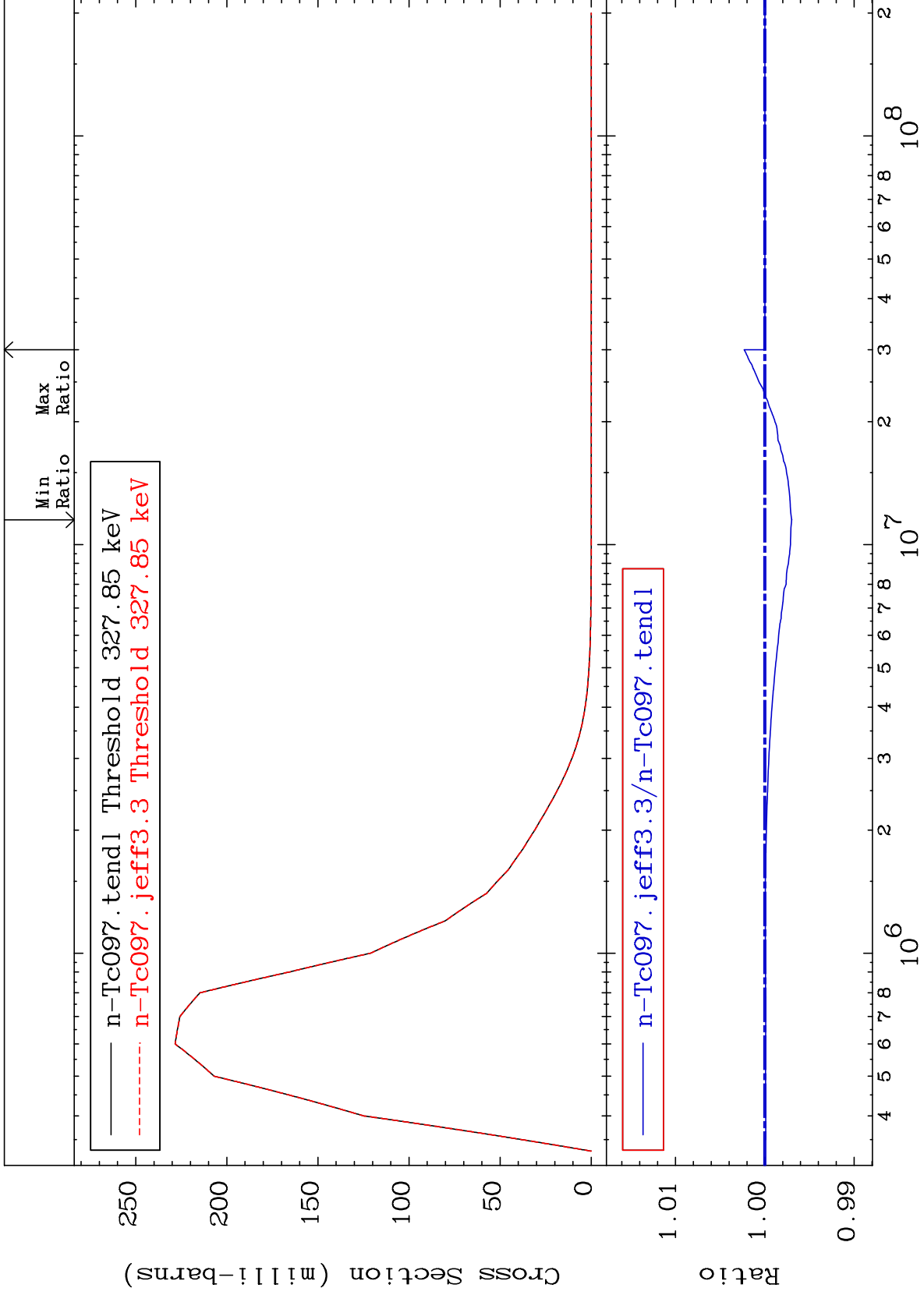
43-Tc-97
-0.302 To 0.231 %



MAT 4319

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

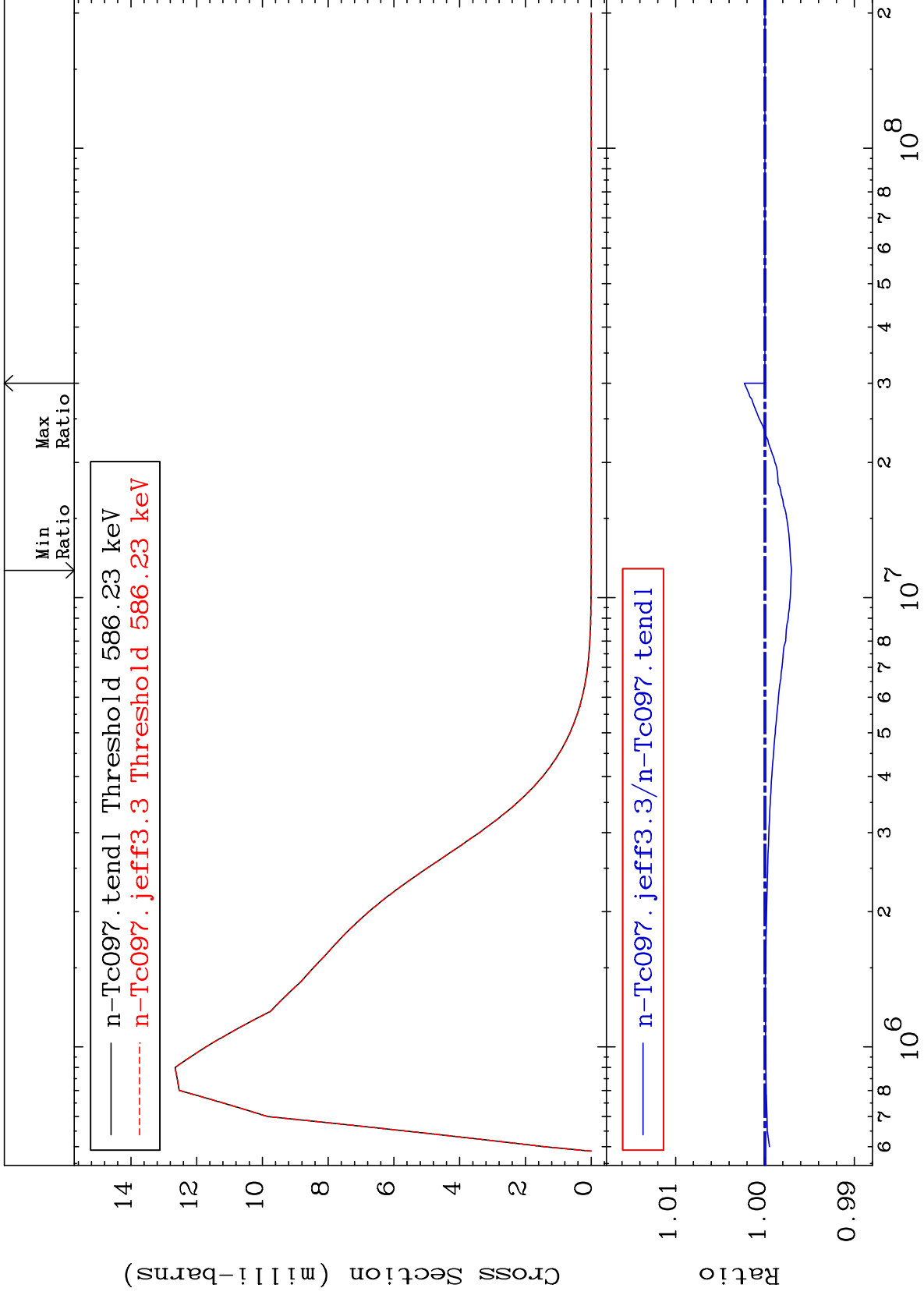
43-Tc-97
-0.301 To 0.231 %



MAT 4319

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

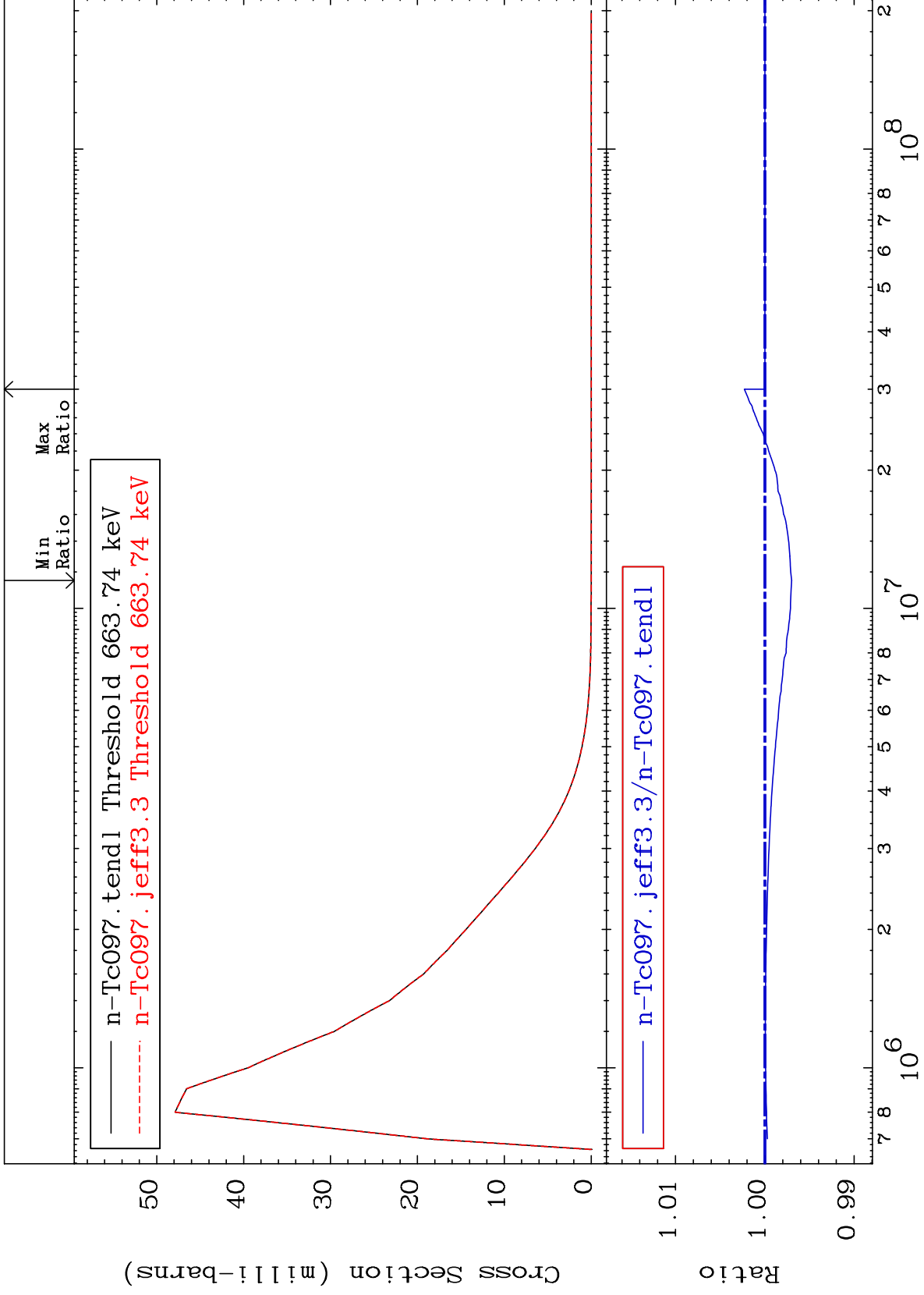
43-Tc-97
-0.298 To 0.231 %



MAT 4319

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

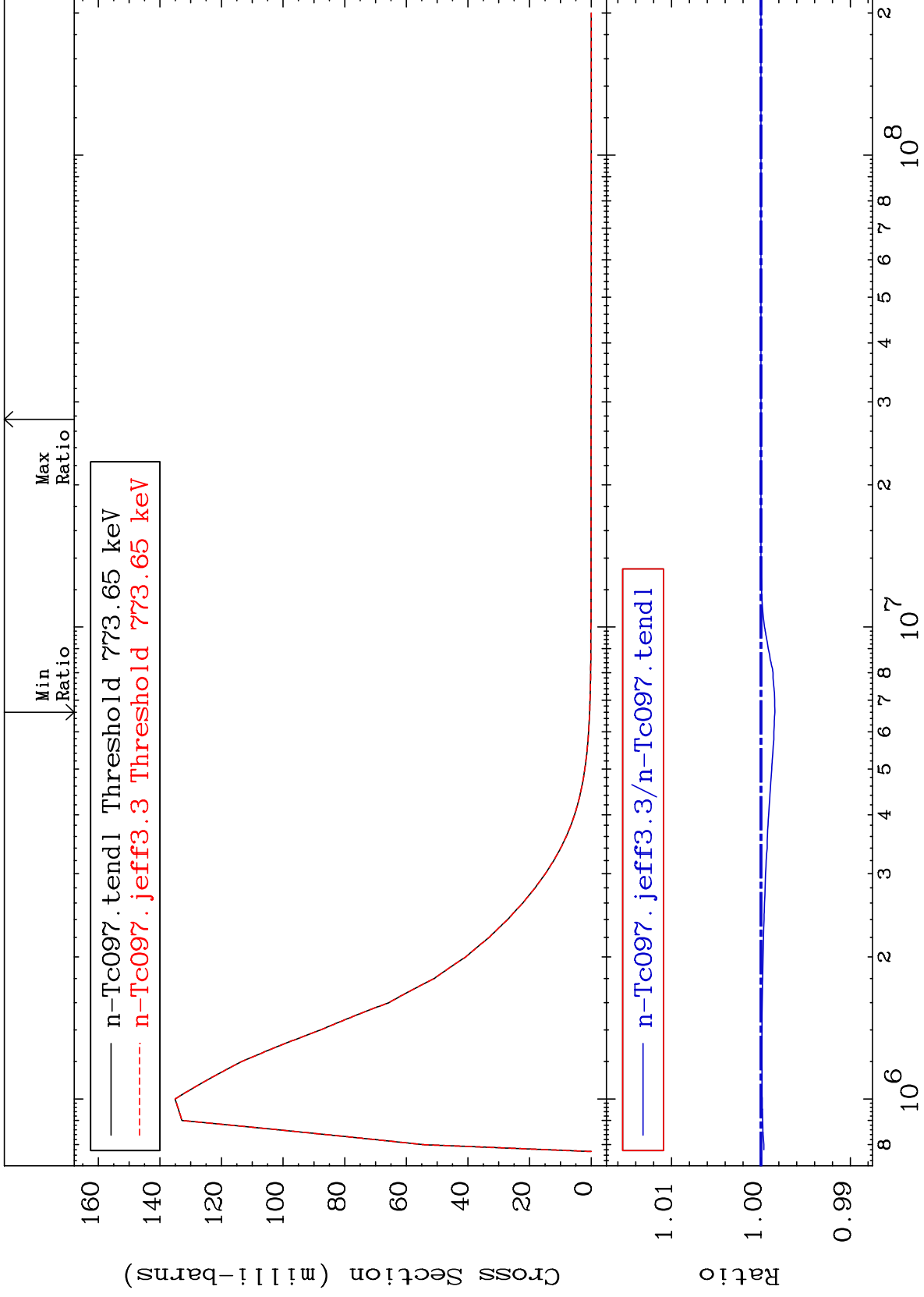
43-Tc-97
-0.300 To 0.231 %



MAT 4319

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

43-Tc-97
-0.157 To 0.000 %



25

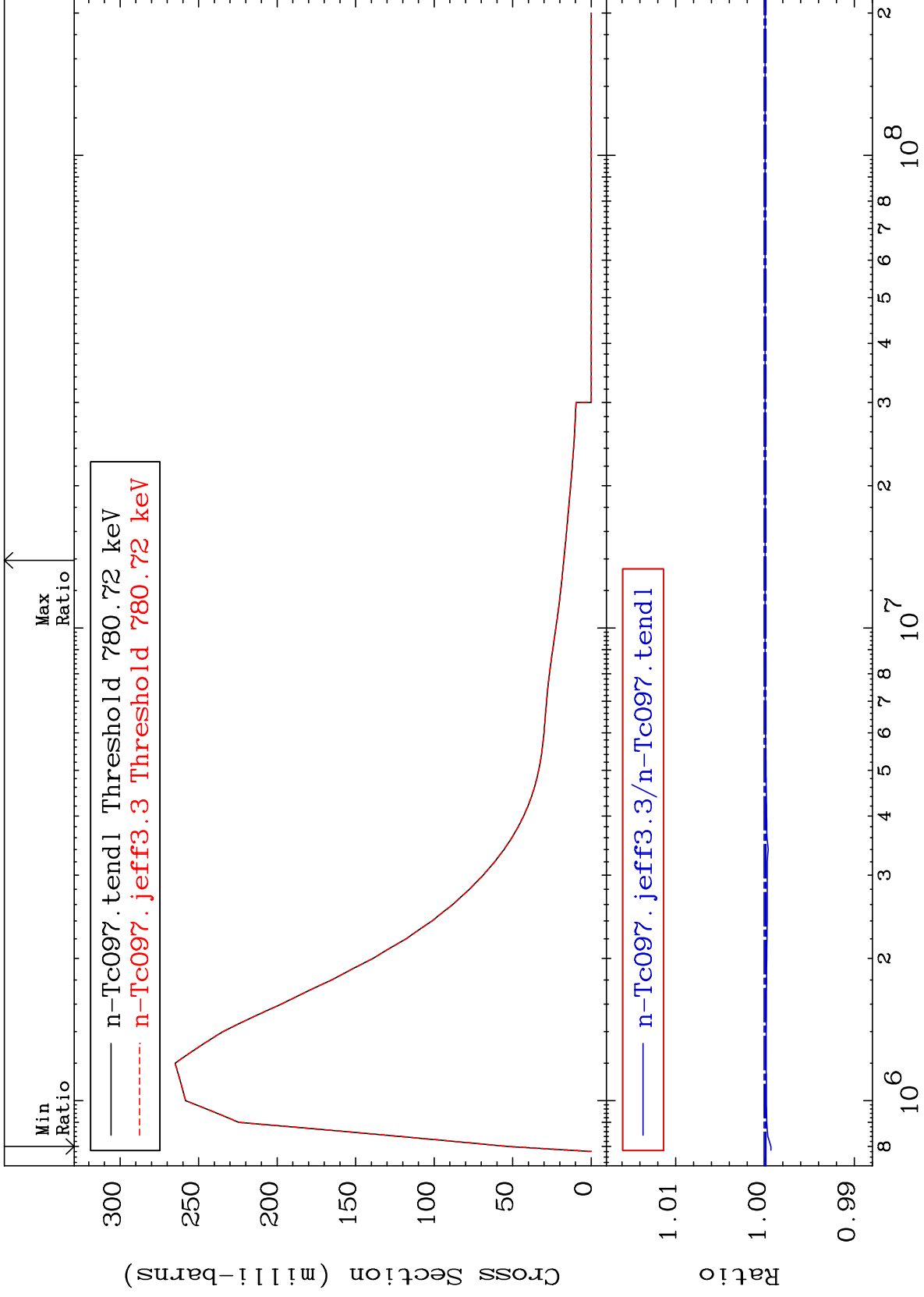
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.066 To 0.000 %



26

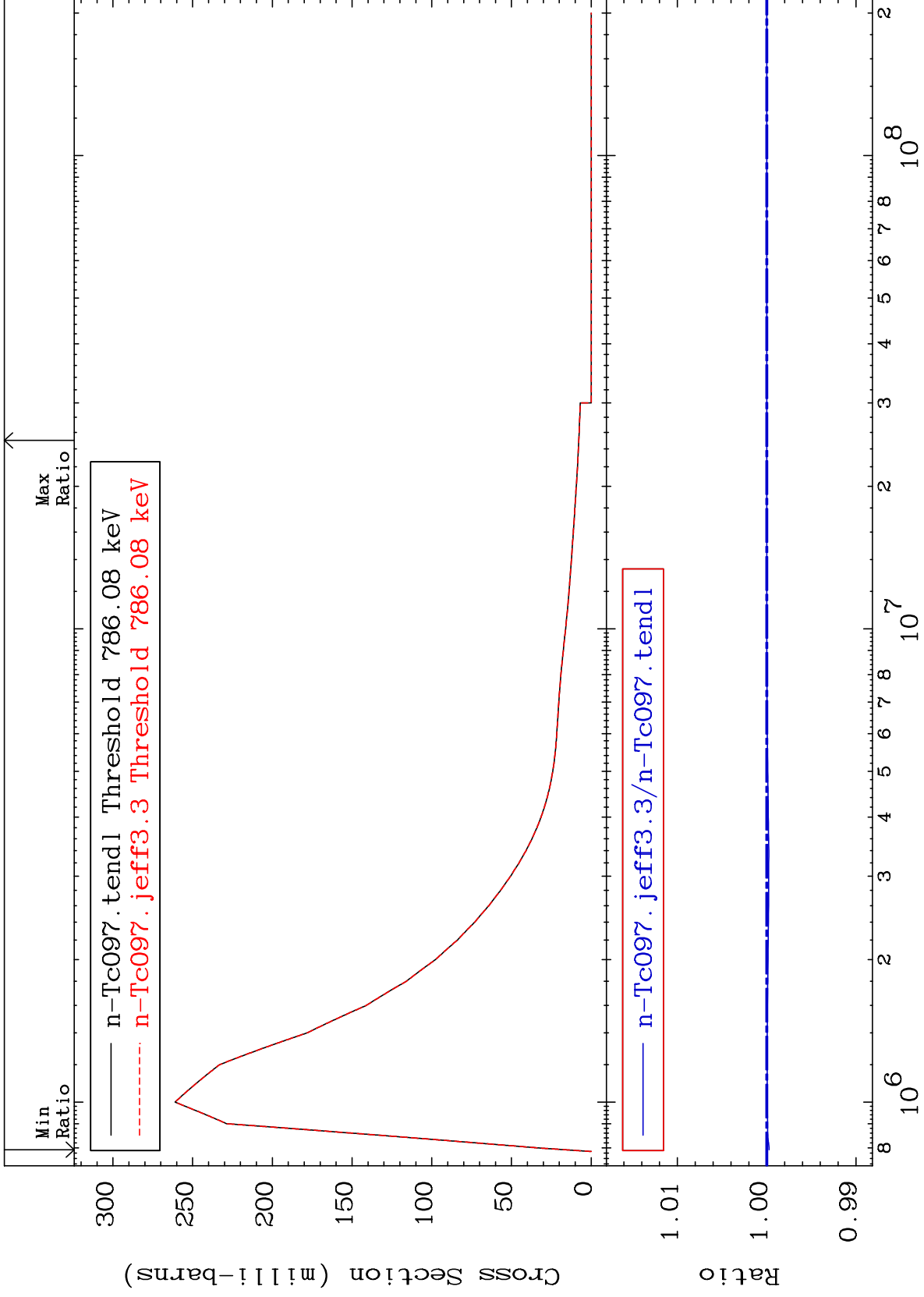
Incident Energy (eV)

43-Tc-97

MAT 4319

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

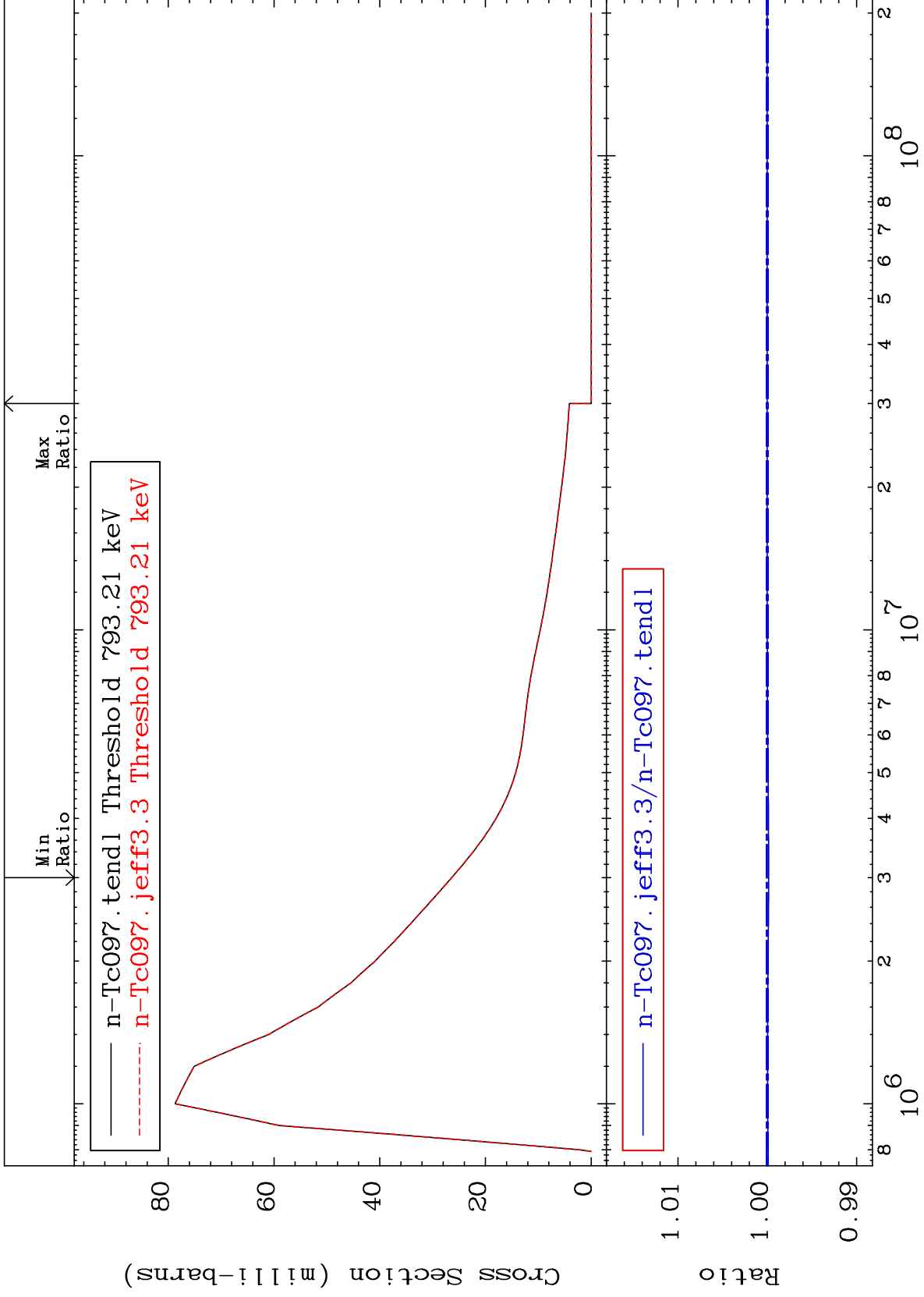
43-Tc-97
-0.027 To 0.000 %



MAT 4319

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

43-Tc-97
-0.016 To 0.000 %



28

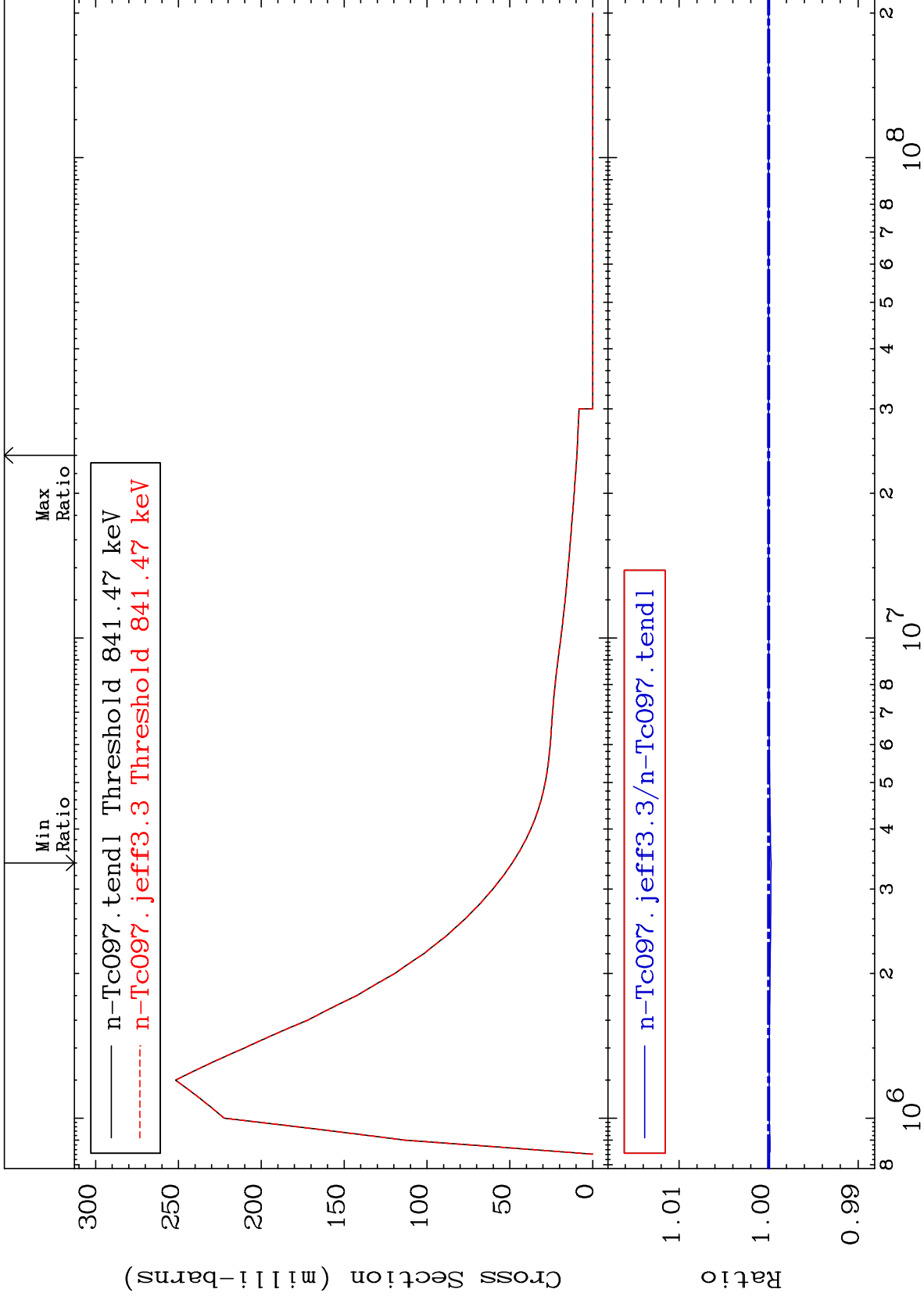
Incident Energy (eV)

43-Tc-97

MAT 4319

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

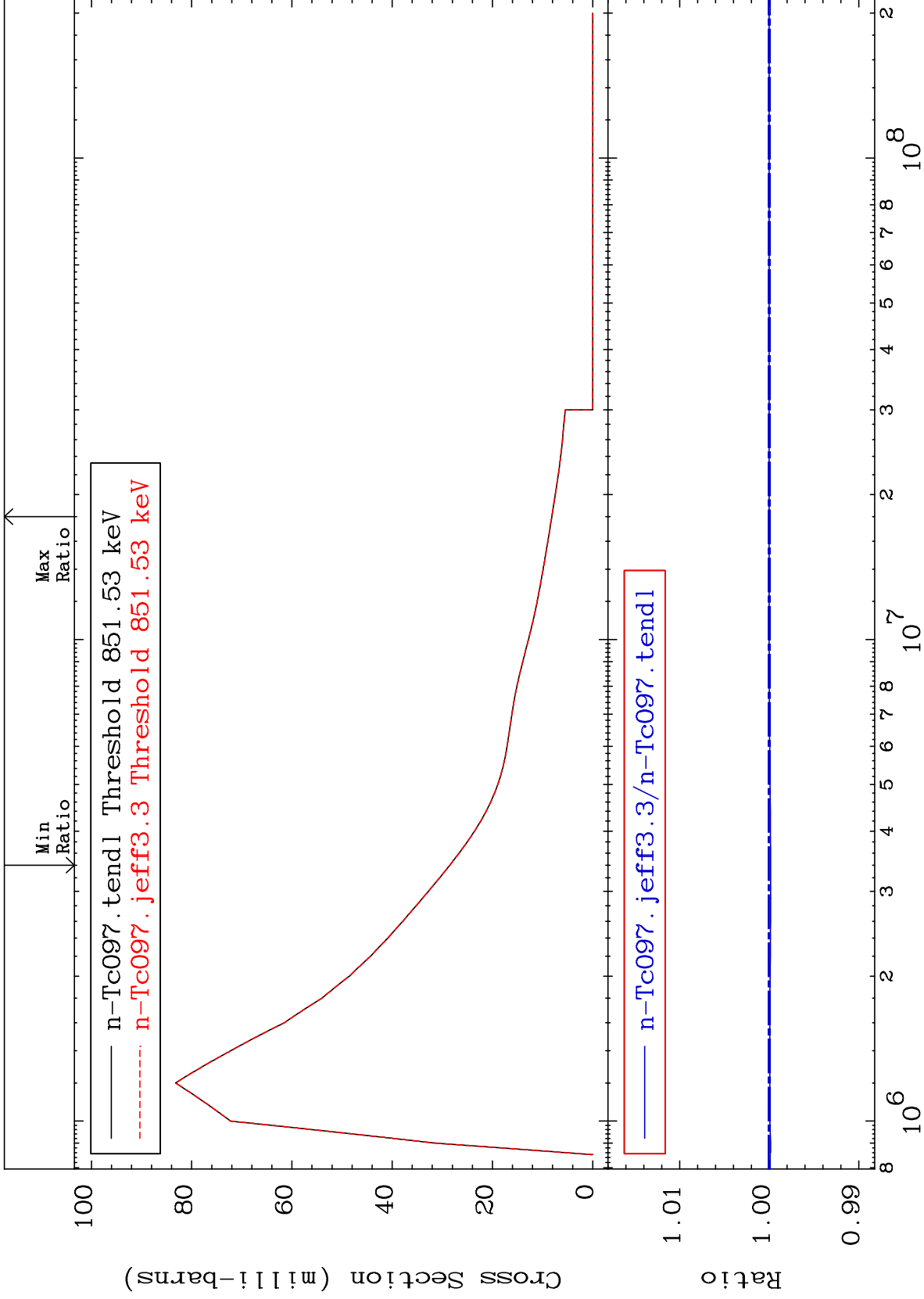
43-Tc-97
-0.029 To 0.000 %



MAT 4319

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

43-Tc-97
-0.015 To 0.000 %



30

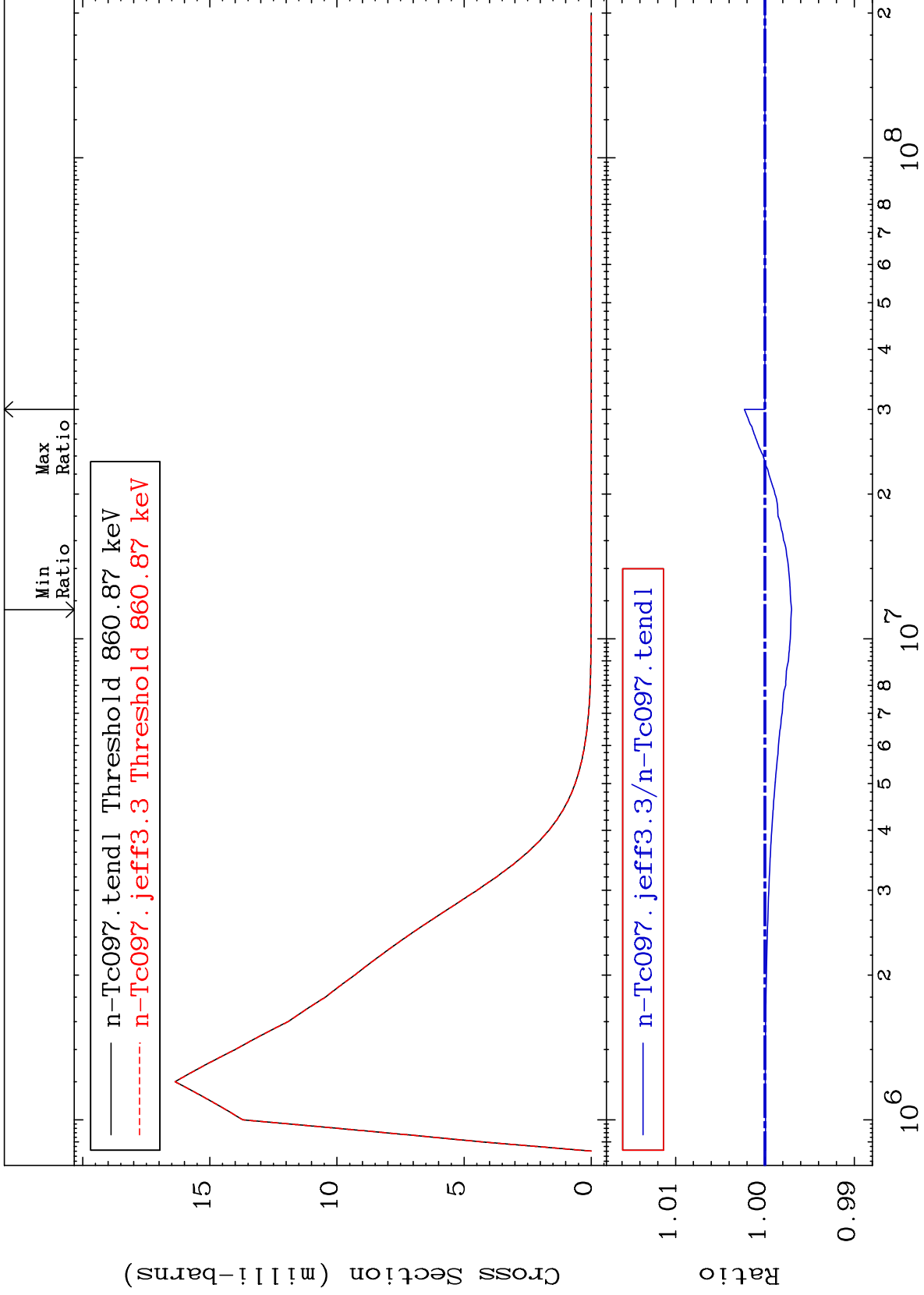
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.298 To 0.231 %



31

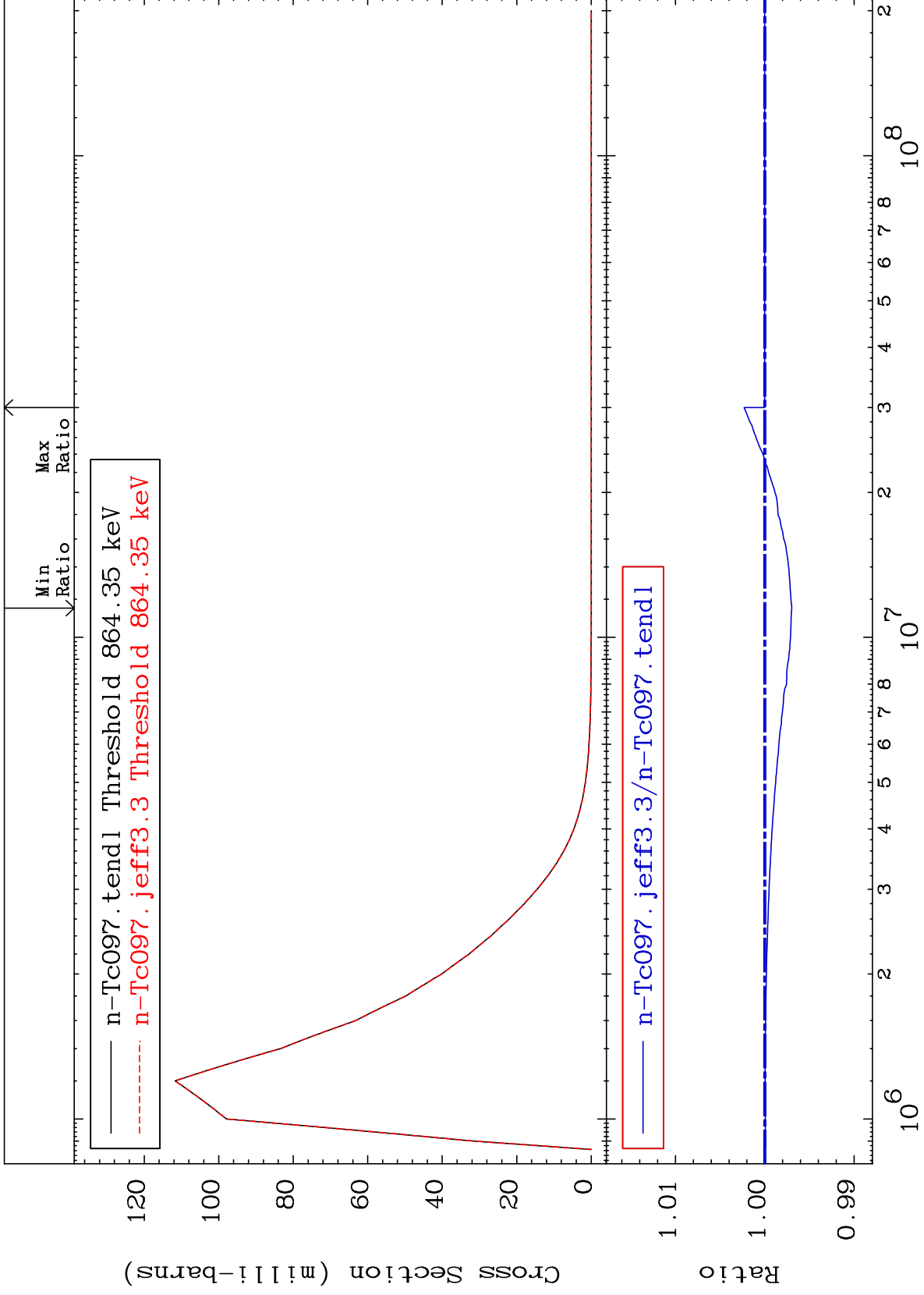
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.302 To 0.231 %



32

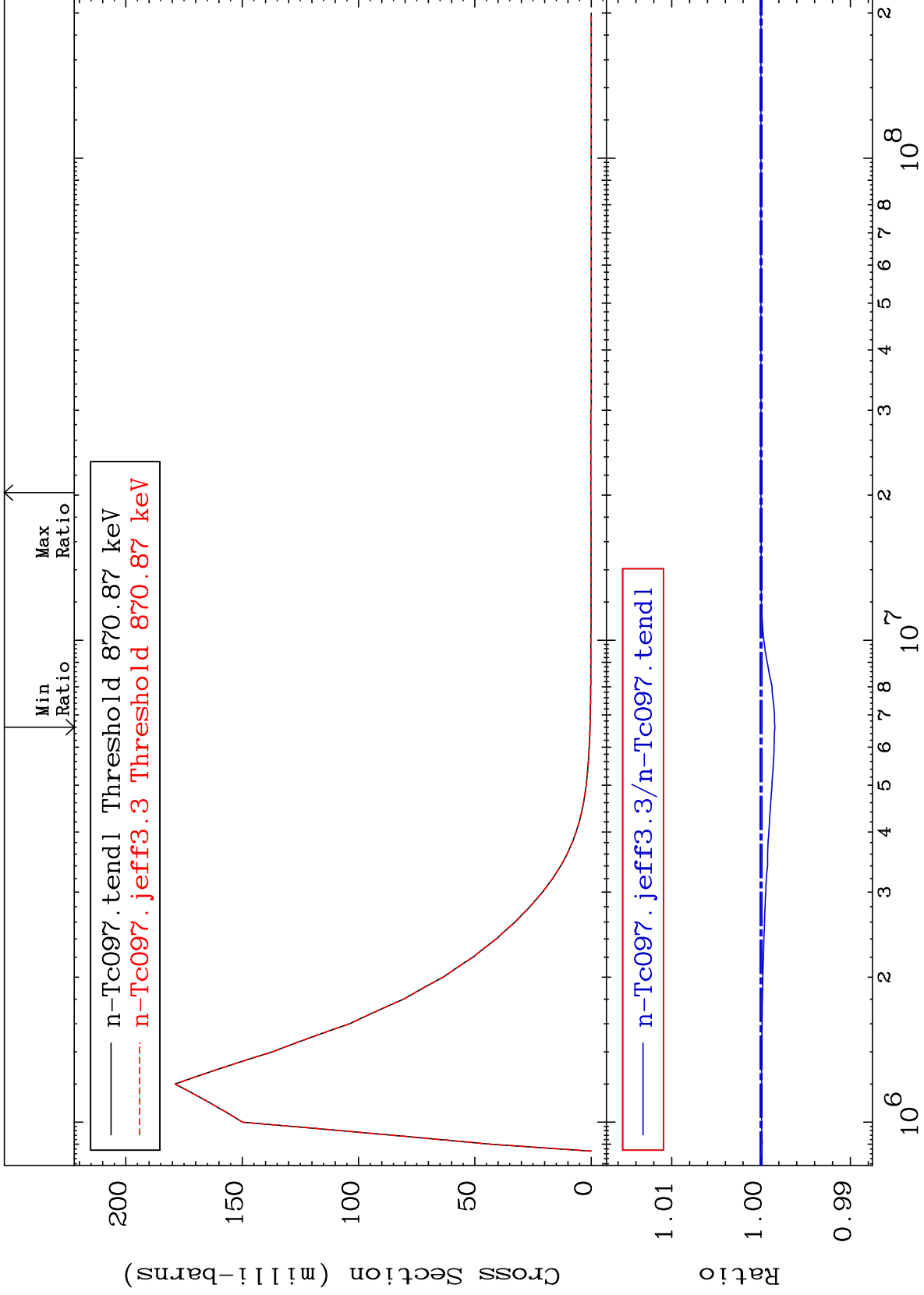
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.154 To 0.000 %



33

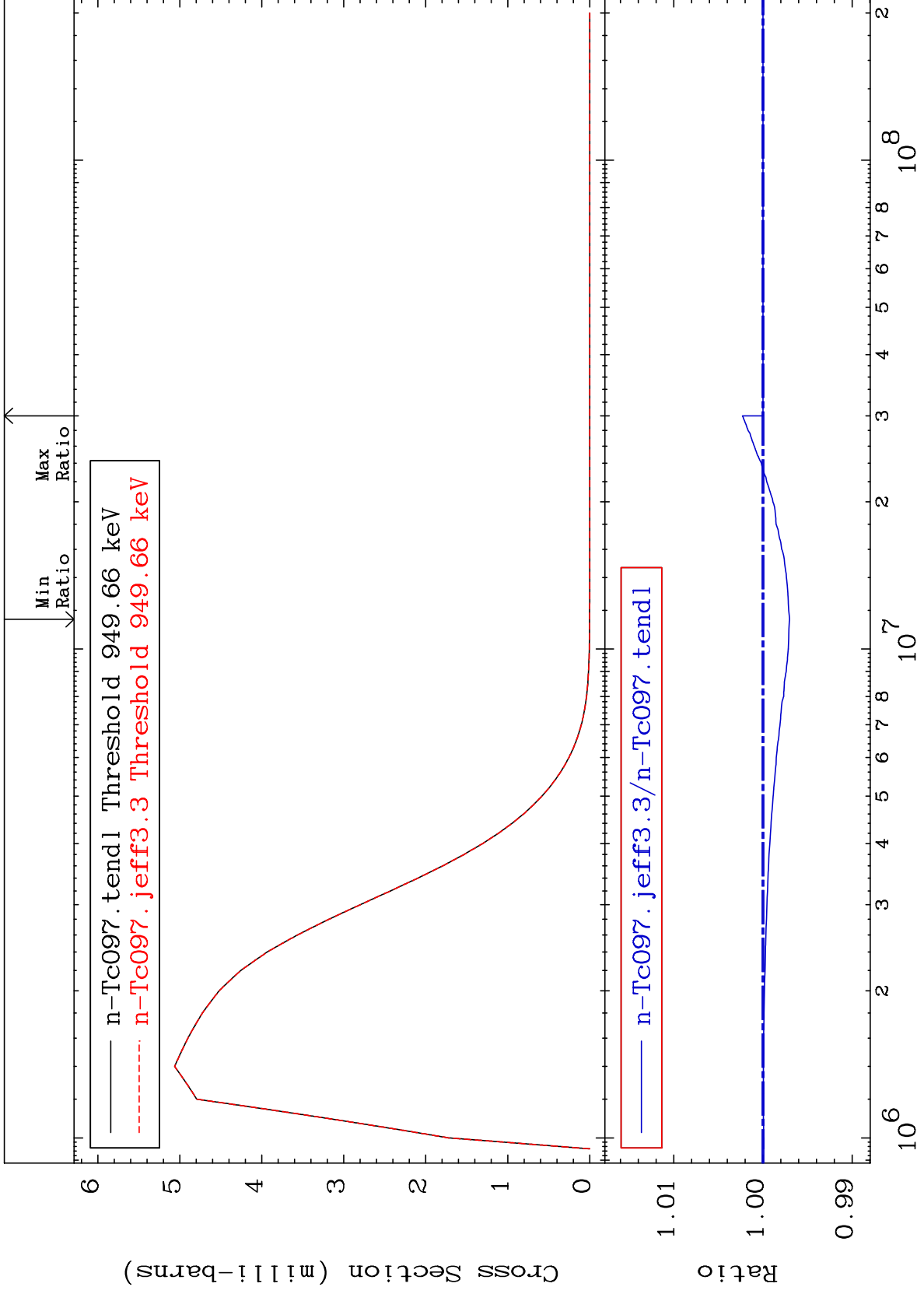
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.299 To 0.231 %



34

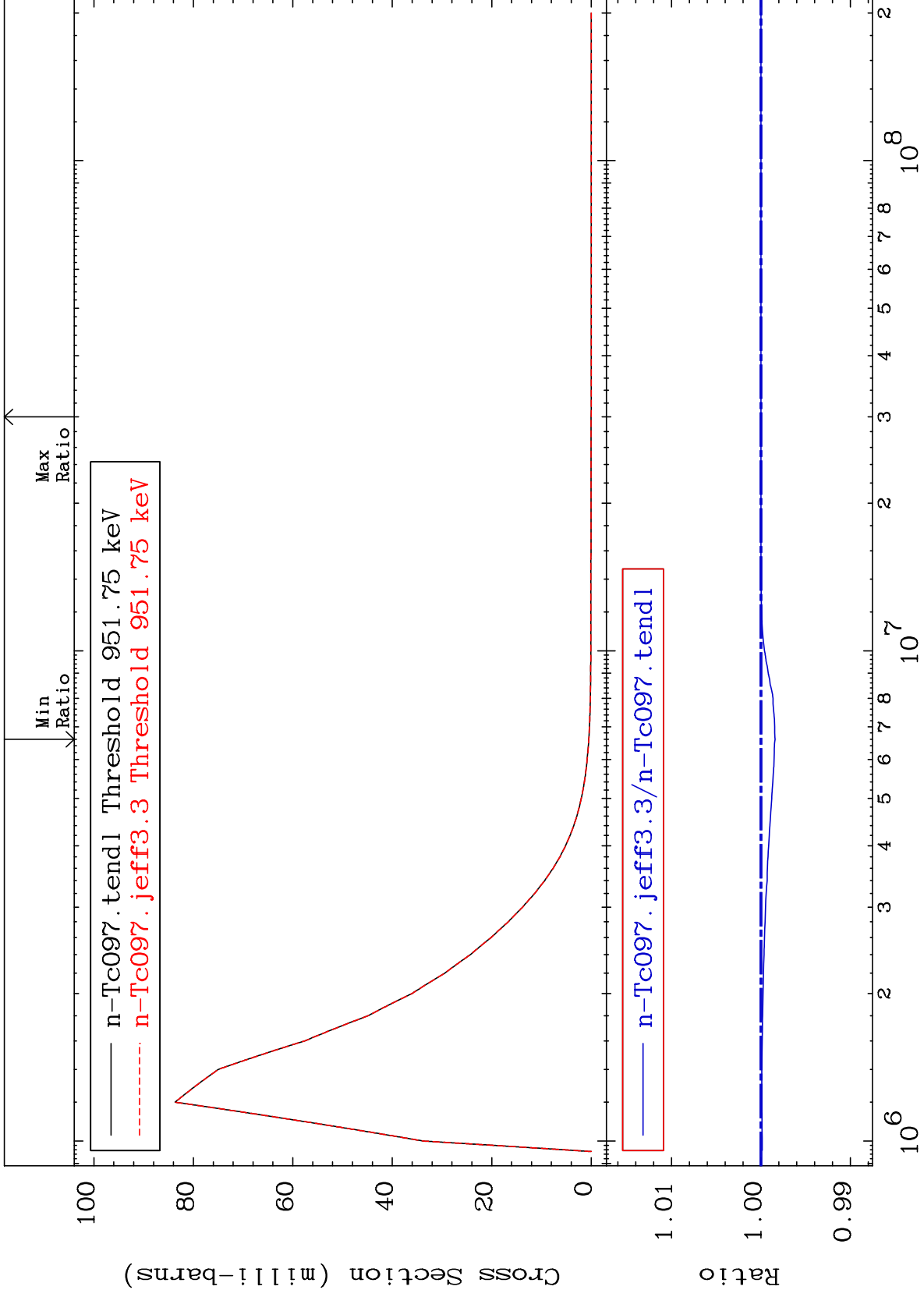
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.157 To 0.000 %



35

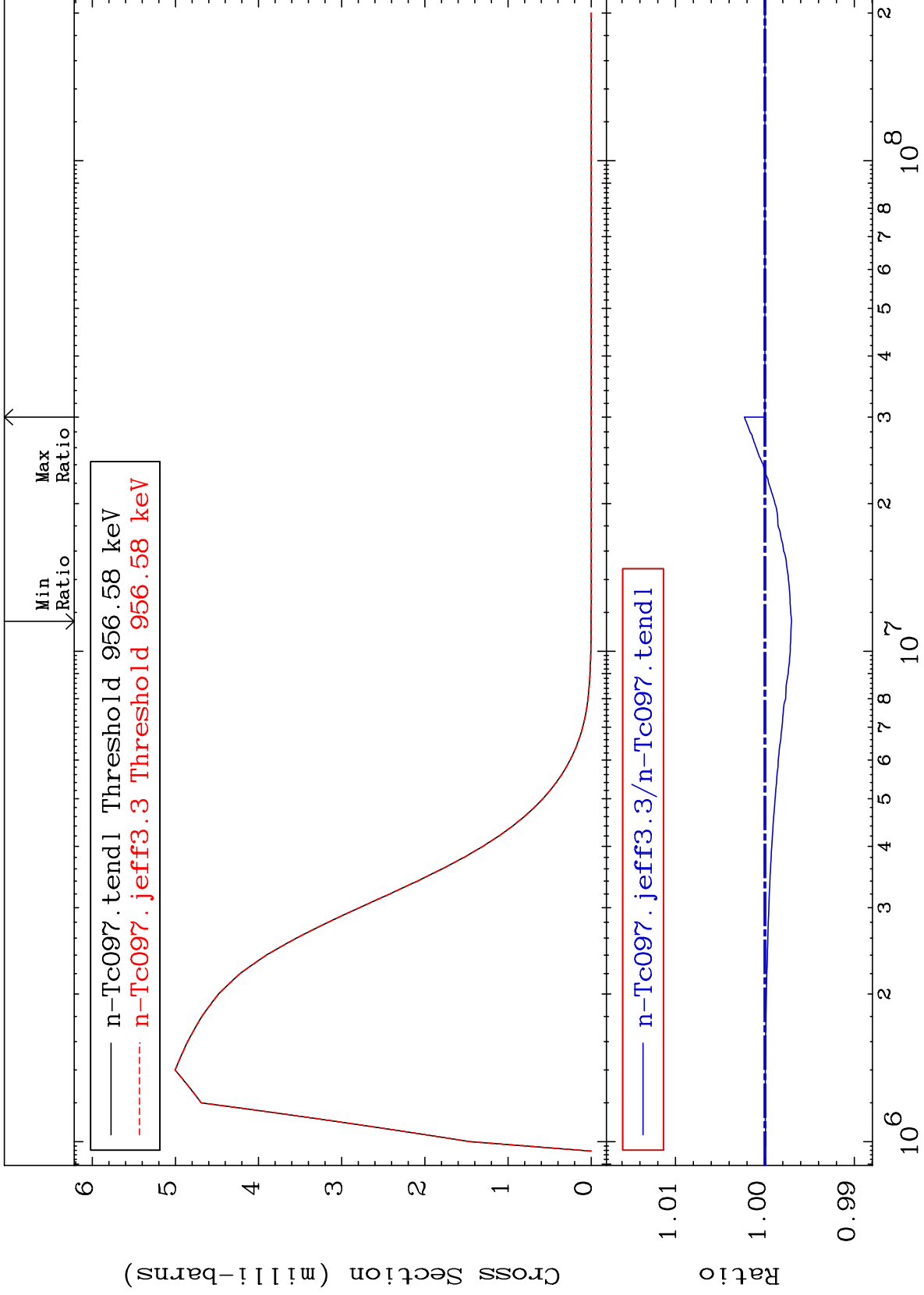
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.299 To 0.231 %



36

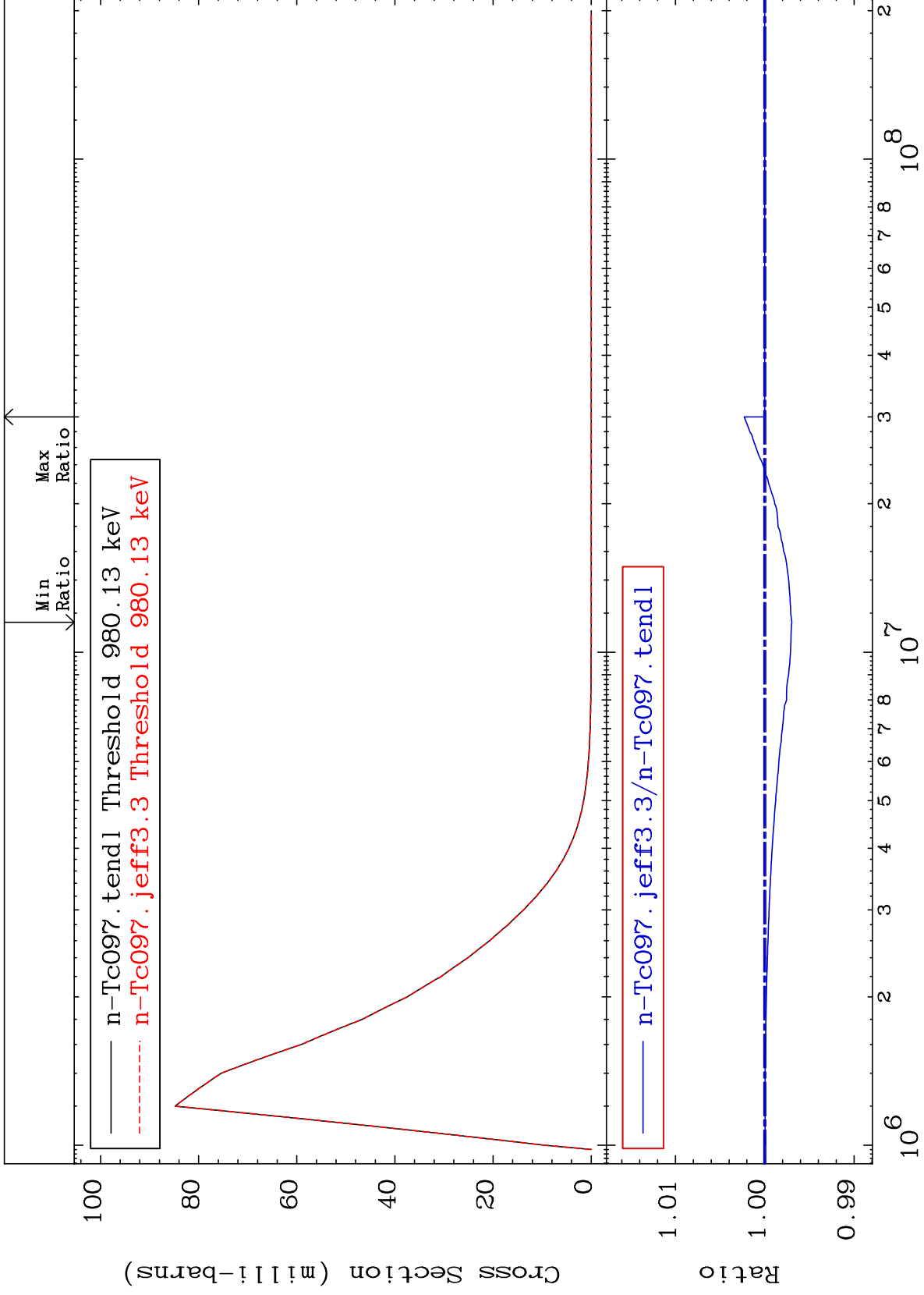
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.302 To 0.231 %



Incident Energy (eV)

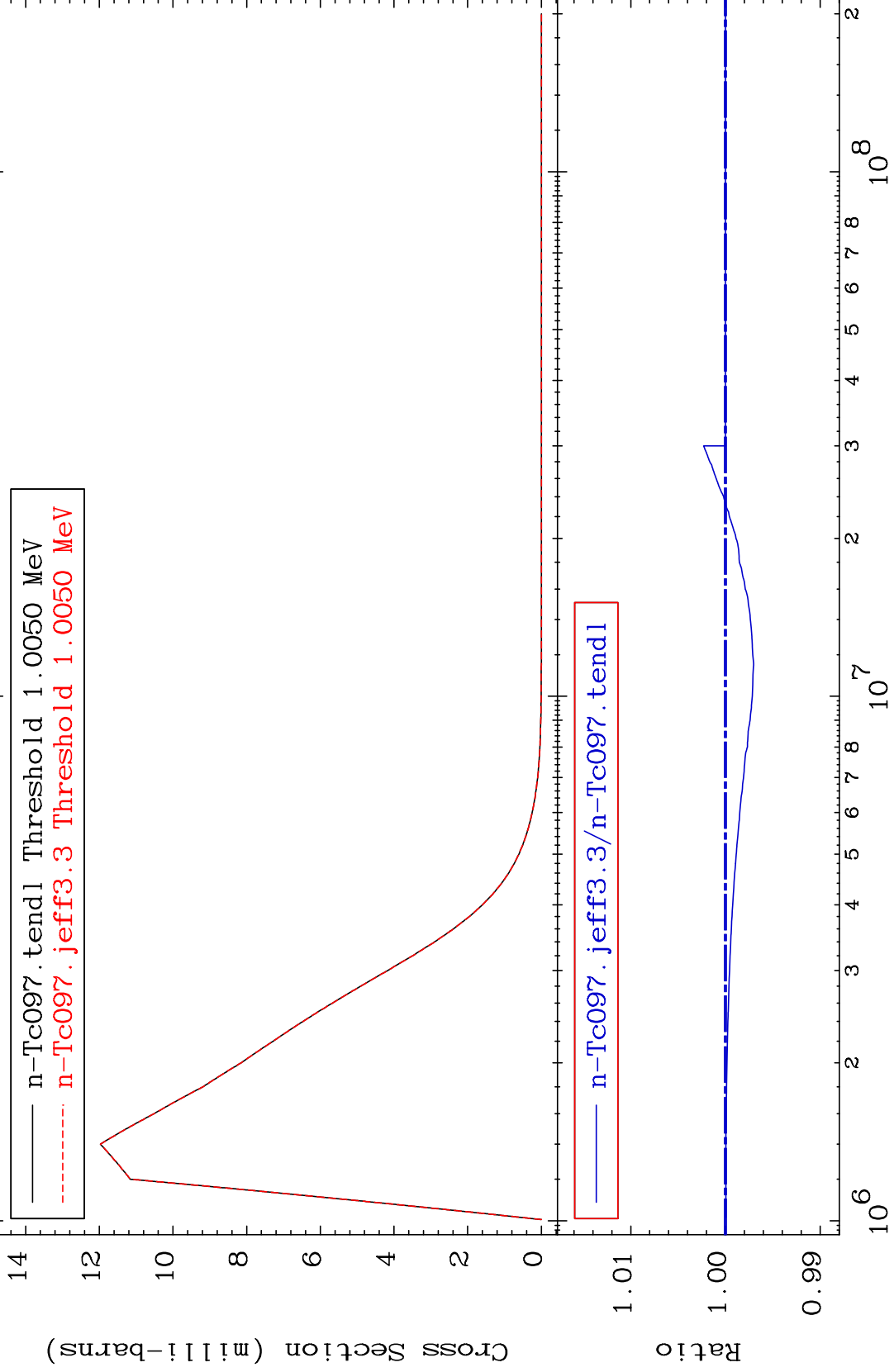
43-Tc-97

37

MAT 4319

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

43-Tc-97
-0.298 To 0.231 %



Incident Energy (eV)

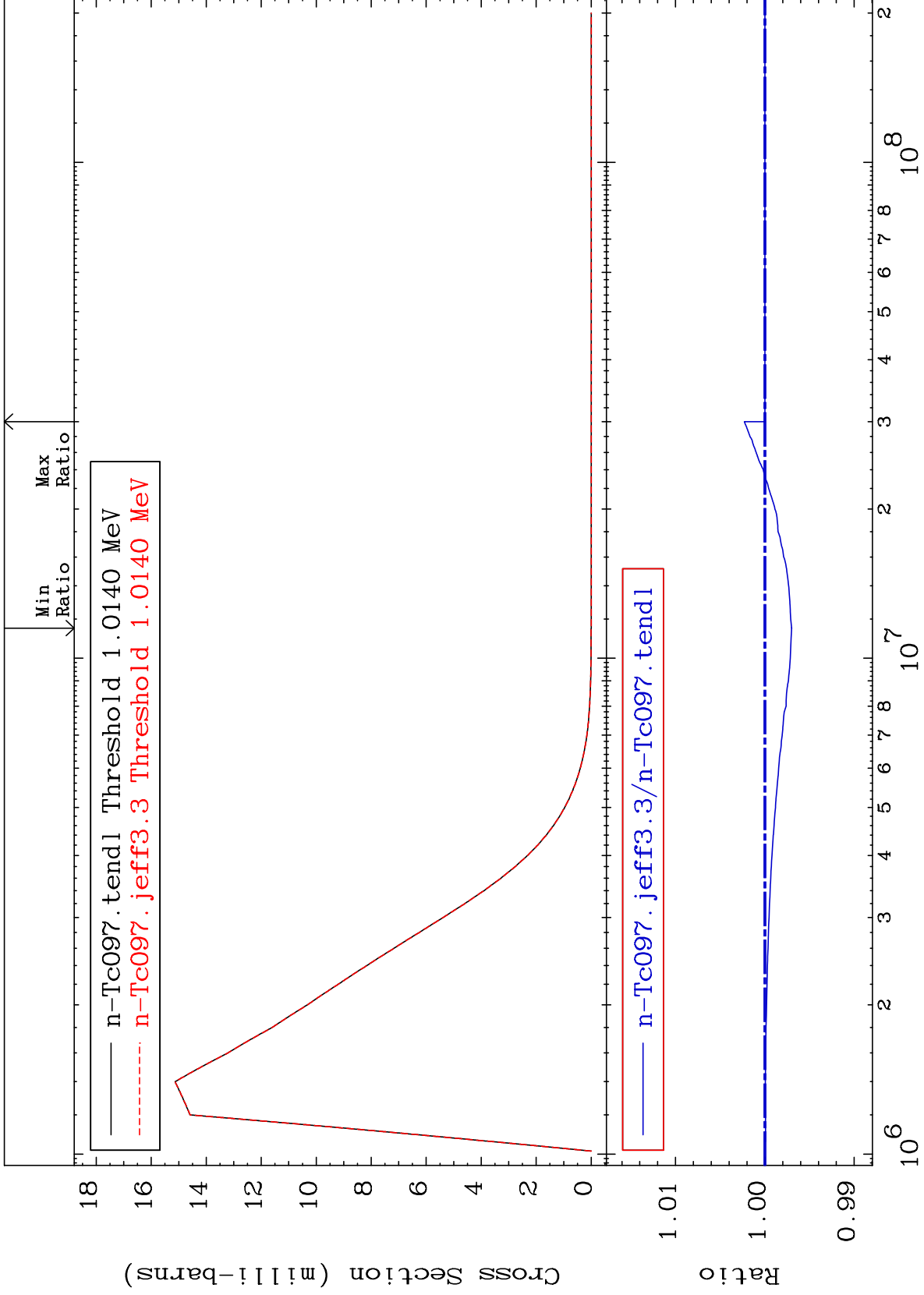
43-Tc-97

38

MAT 4319

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

43-Tc-97
-0.300 To 0.231 %



39

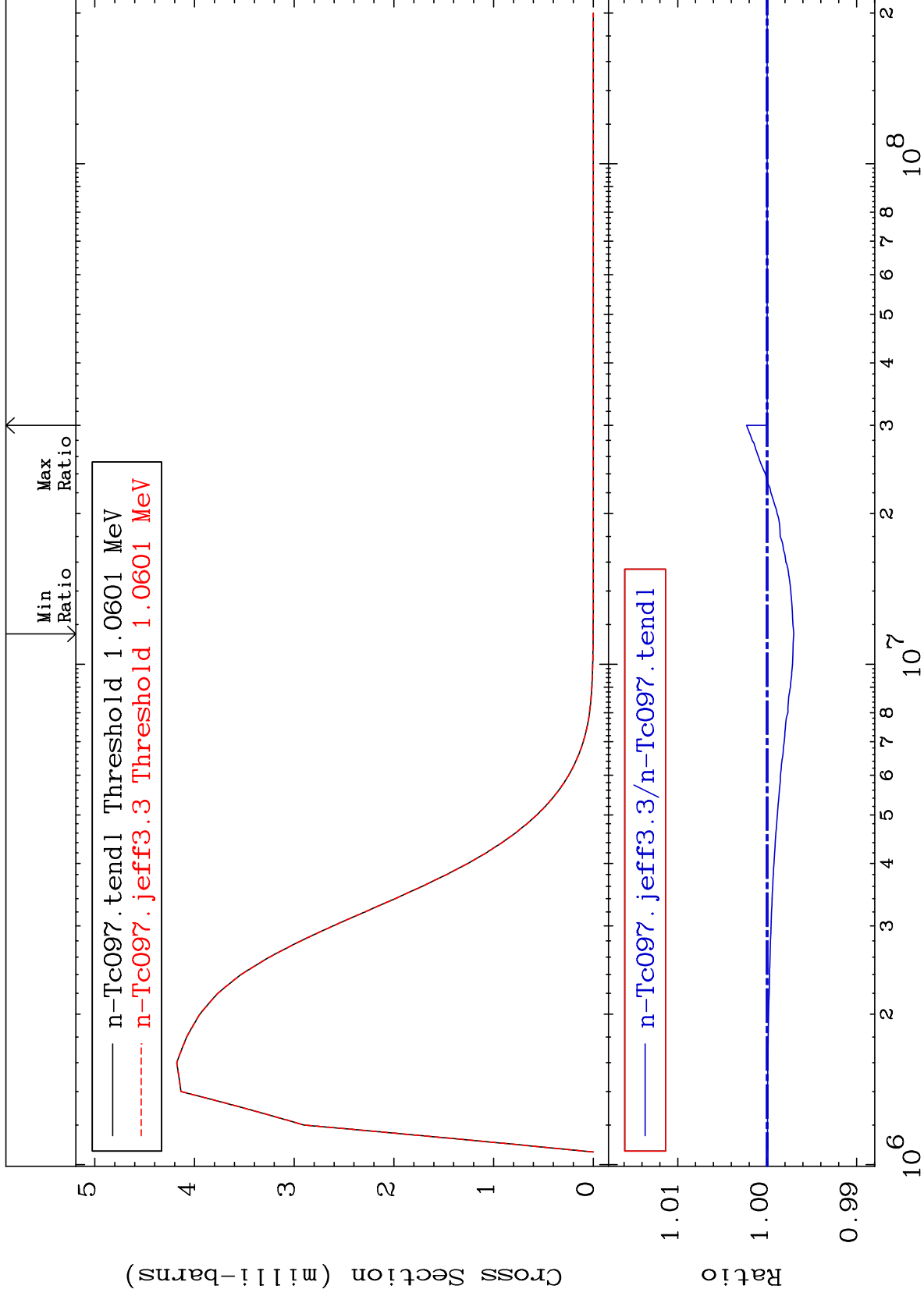
Incident Energy (eV)

43-Tc-97

MAT 4319

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

43-Tc-97
-0.298 To 0.231 %



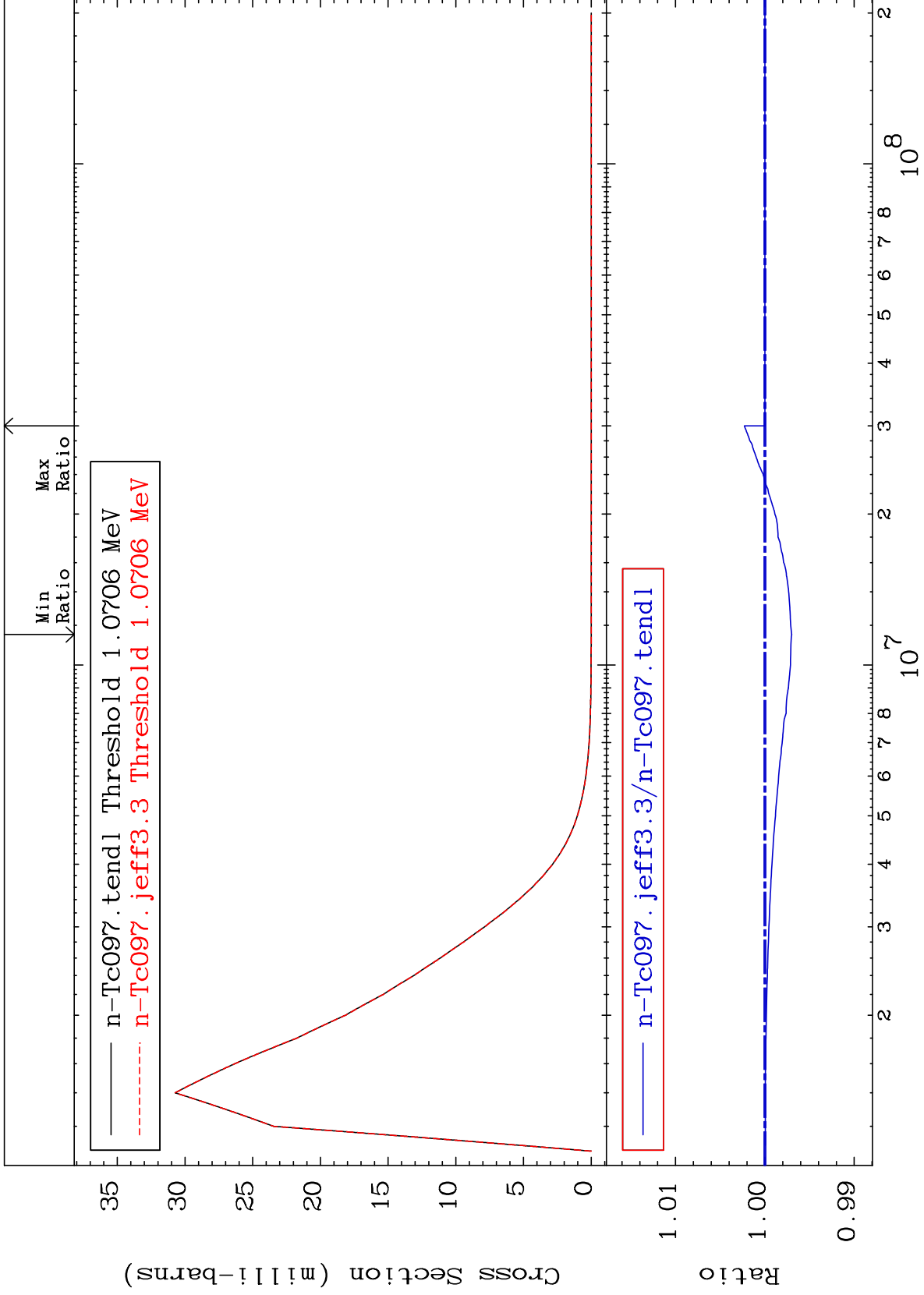
Incident Energy (eV)

43-Tc-97

MAT 4319

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

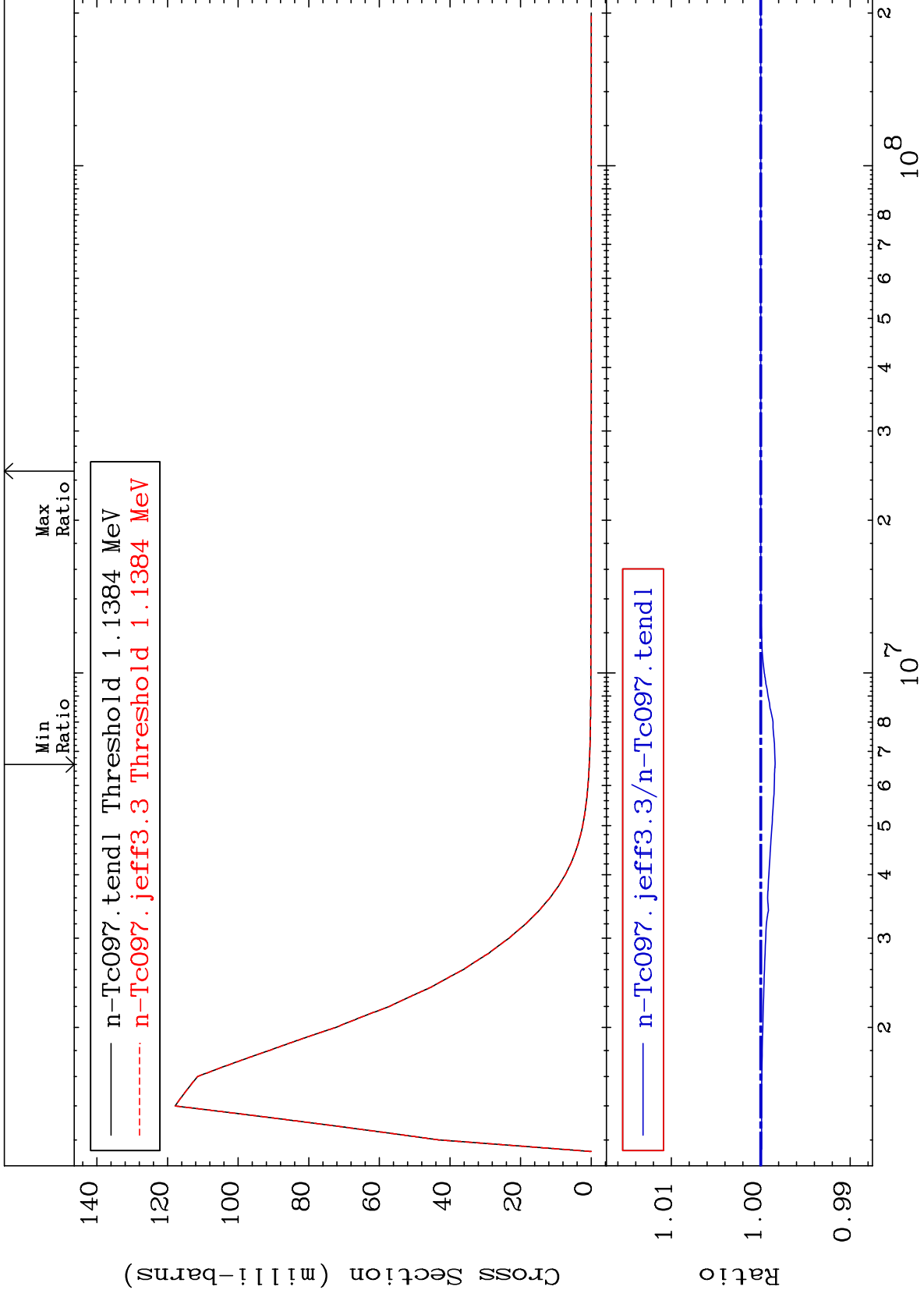
43-Tc-97
-0.299 To 0.231 %



MAT 4319

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

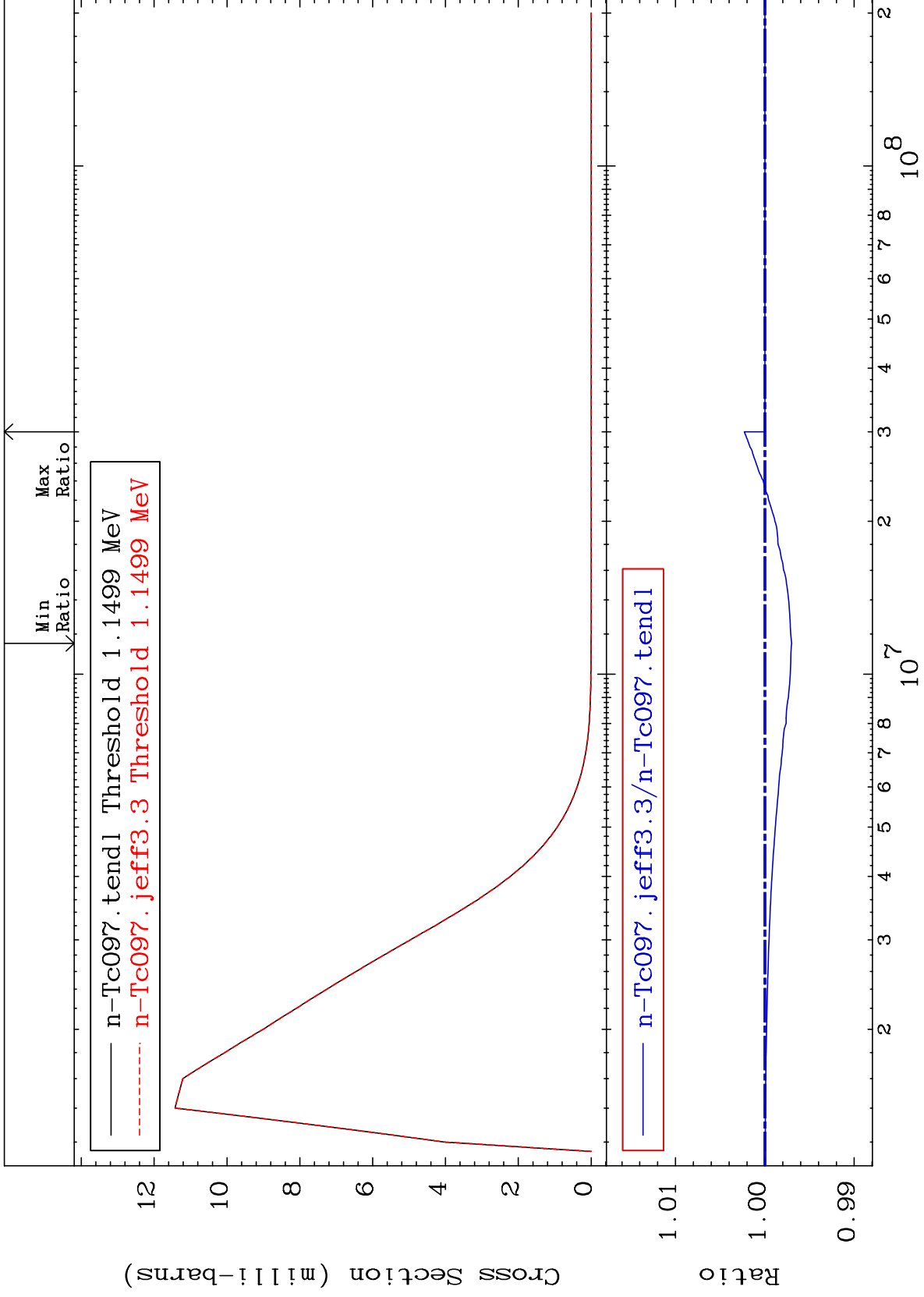
43-Tc-97
-0.161 To 0.000 %



MAT 4319

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

43-Tc-97
-0.300 To 0.231 %



43

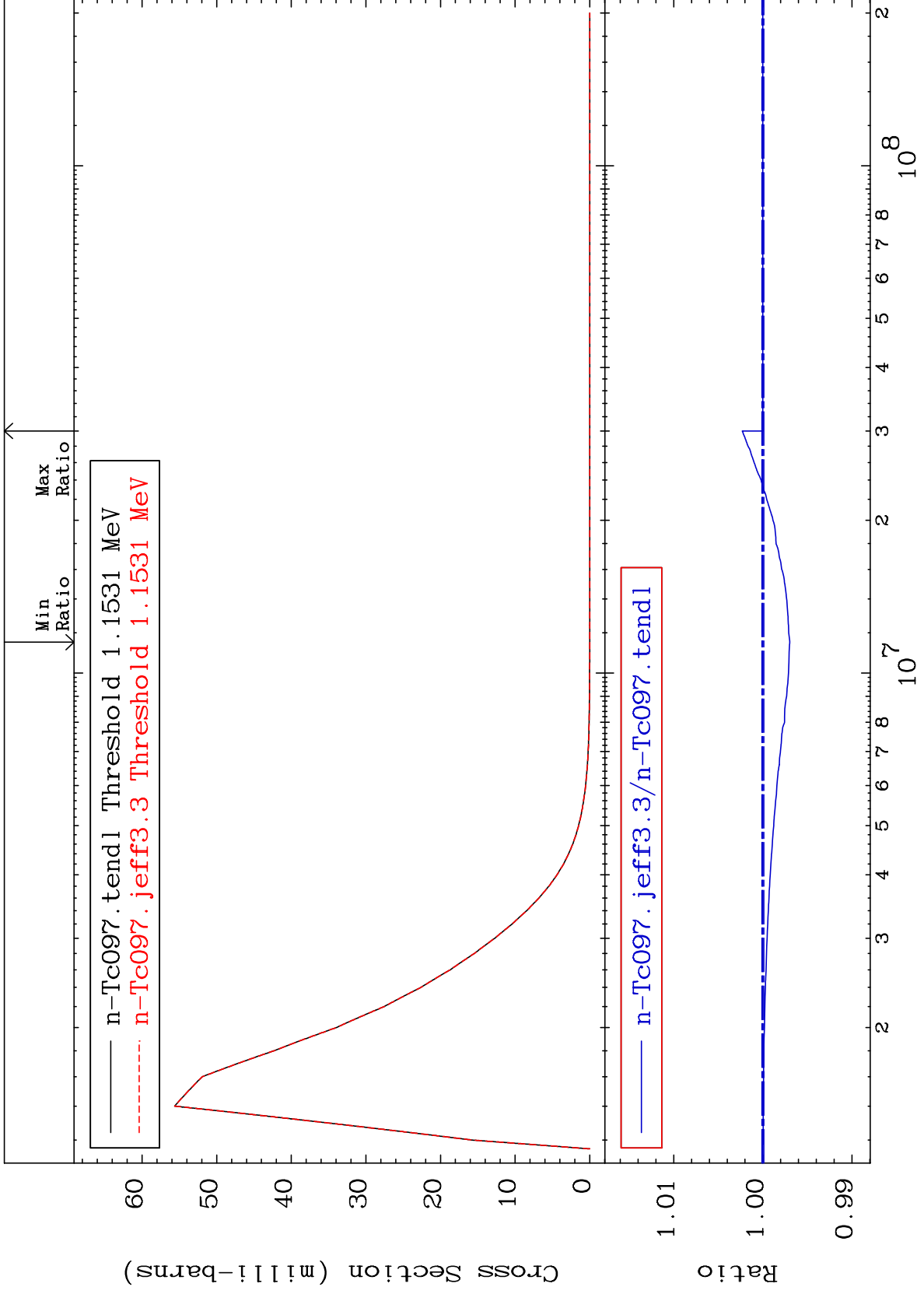
Incident Energy (eV)

43-Tc-97

MAT 4319

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

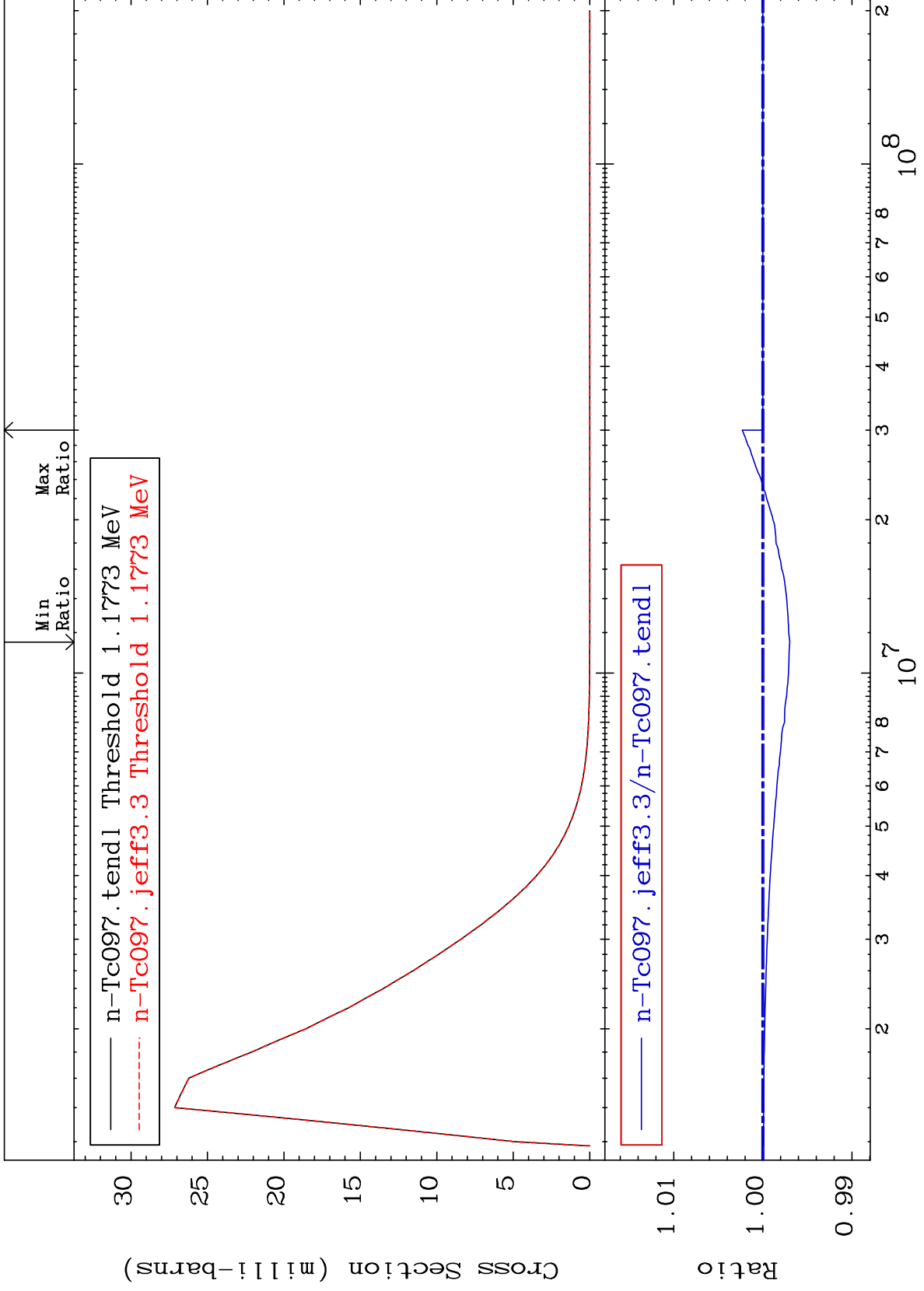
43-Tc-97
-0.302 To 0.231 %



MAT 4319

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

43-Tc-97
-0.302 To 0.231 %



45

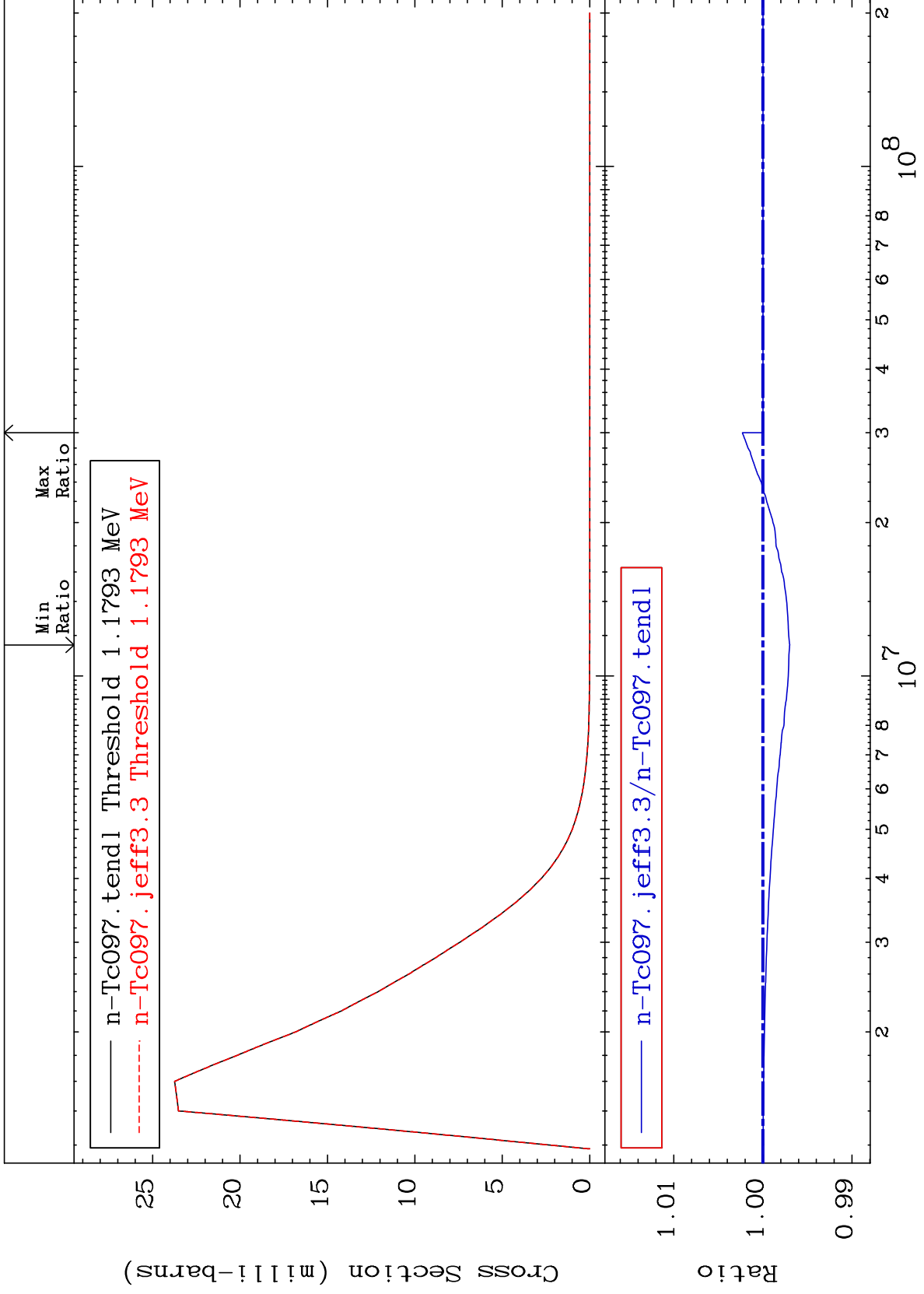
Incident Energy (eV)

43-Tc-97

MAT 4319

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

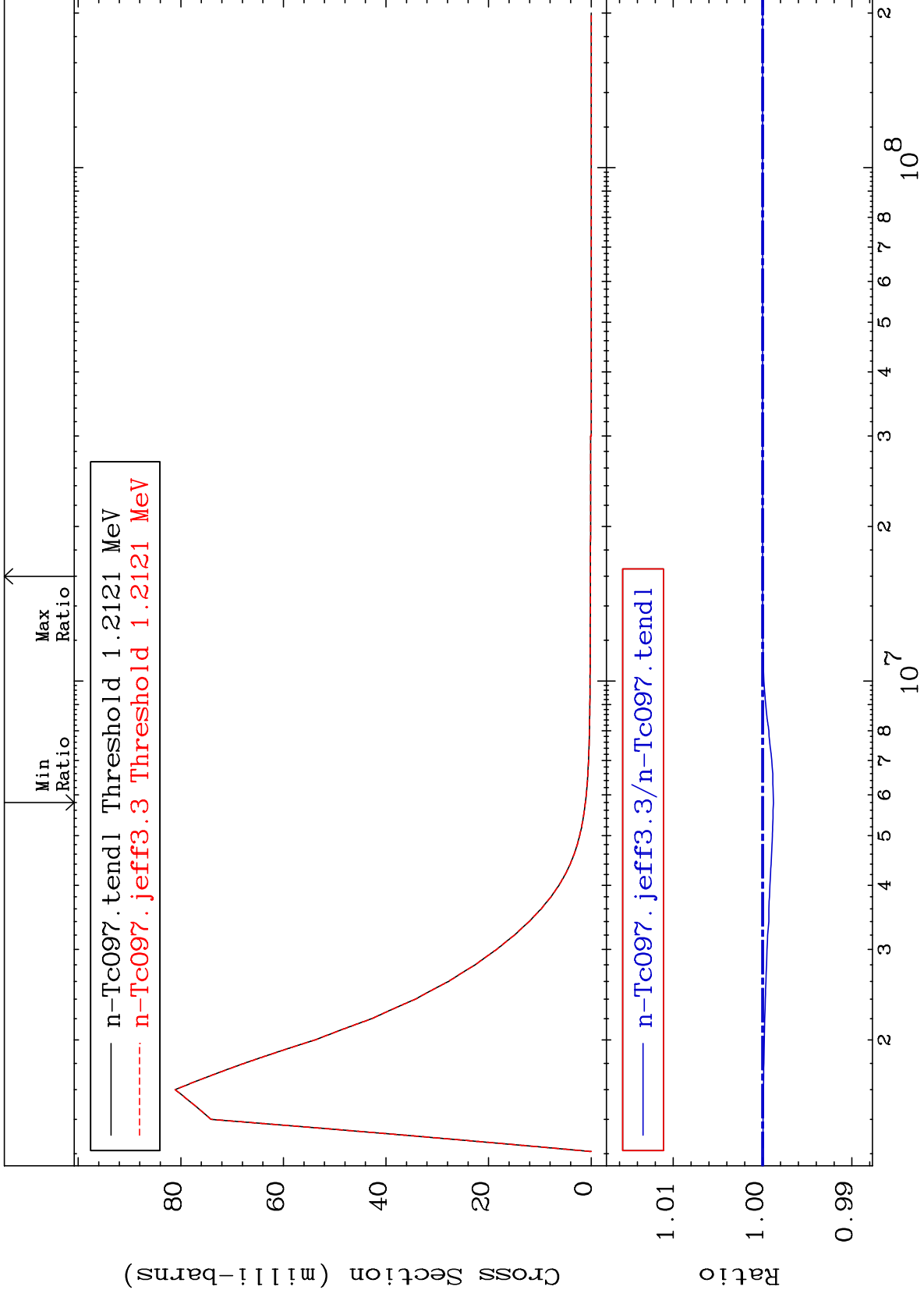
43-Tc-97
-0.300 To 0.231 %



MAT 4319

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

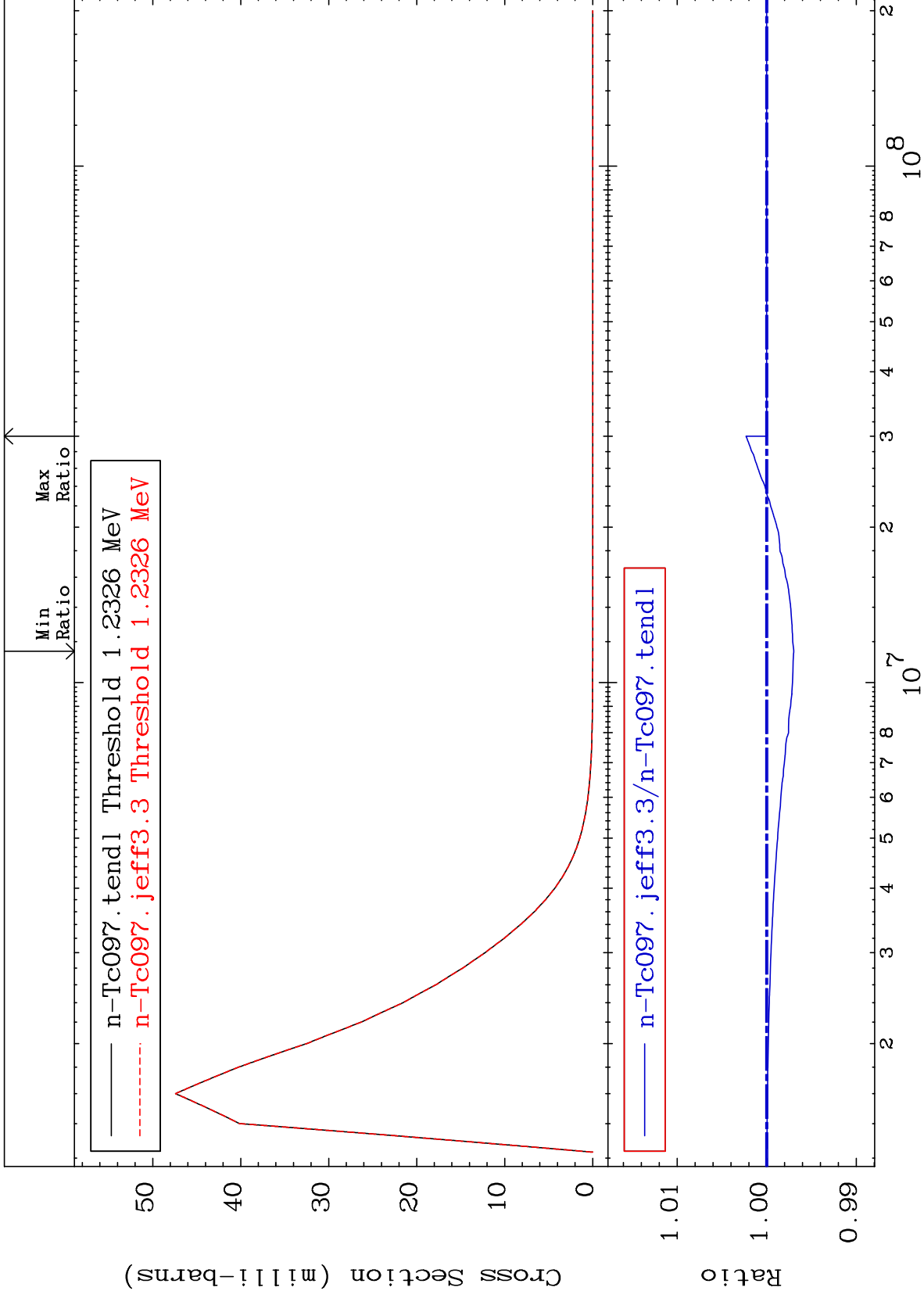
43-Tc-97
-0.121 To 0.000 %



MAT 4319

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

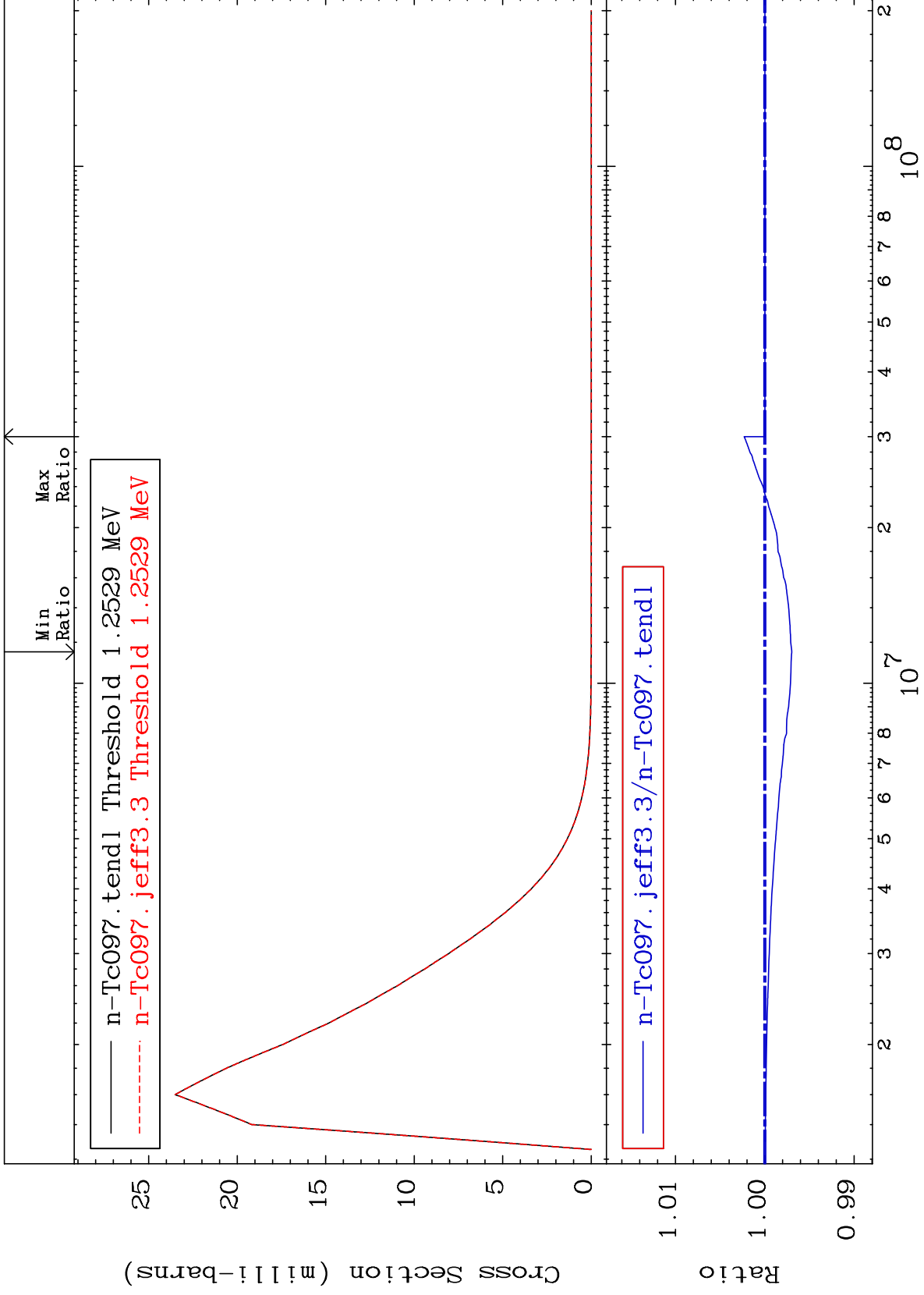
43-Tc-97
-0.301 To 0.231 %



MAT 4319

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

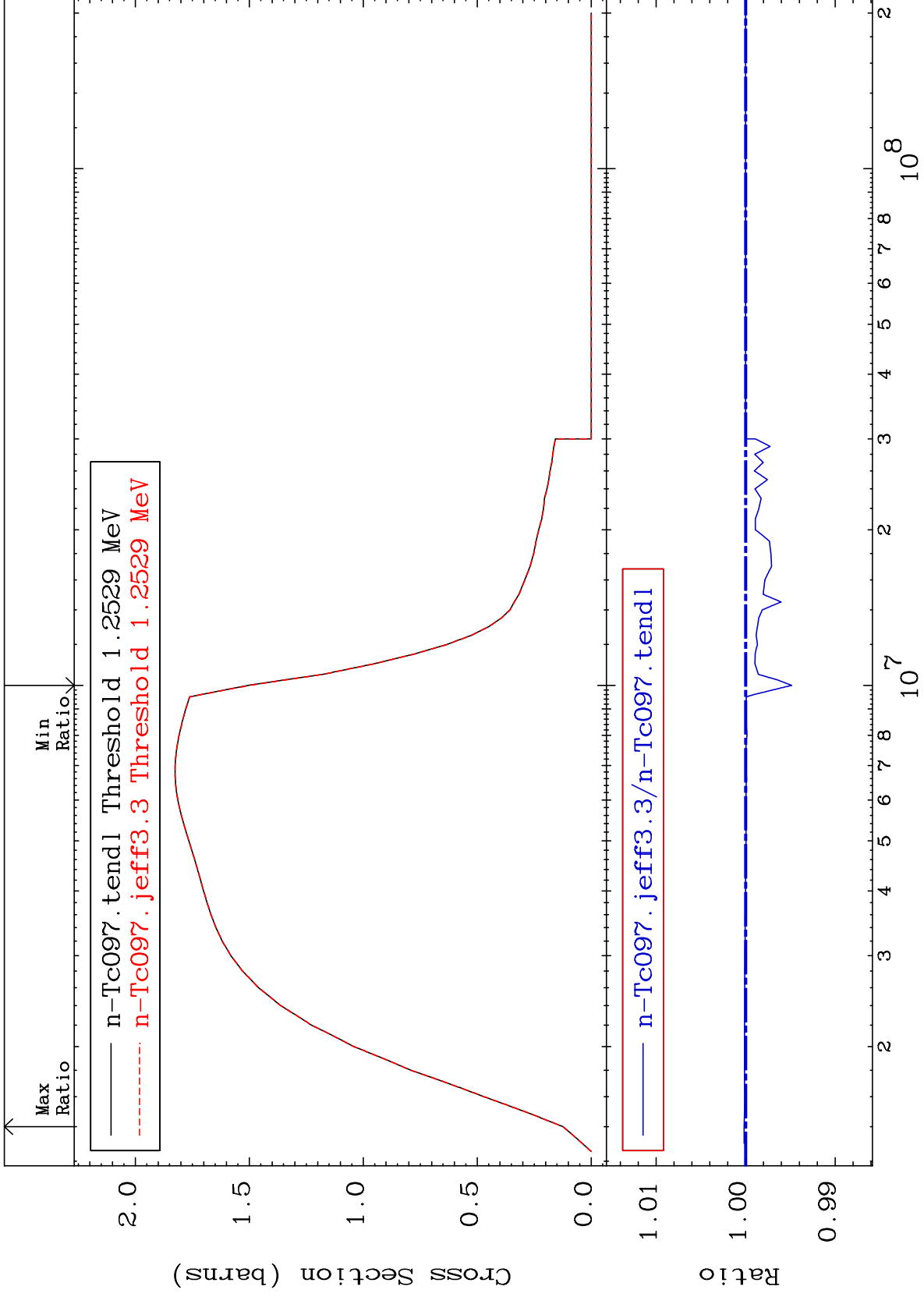
43-Tc-97
-0.301 To 0.231 %



MAT 4319

(n, n') Continuum
Cross Section

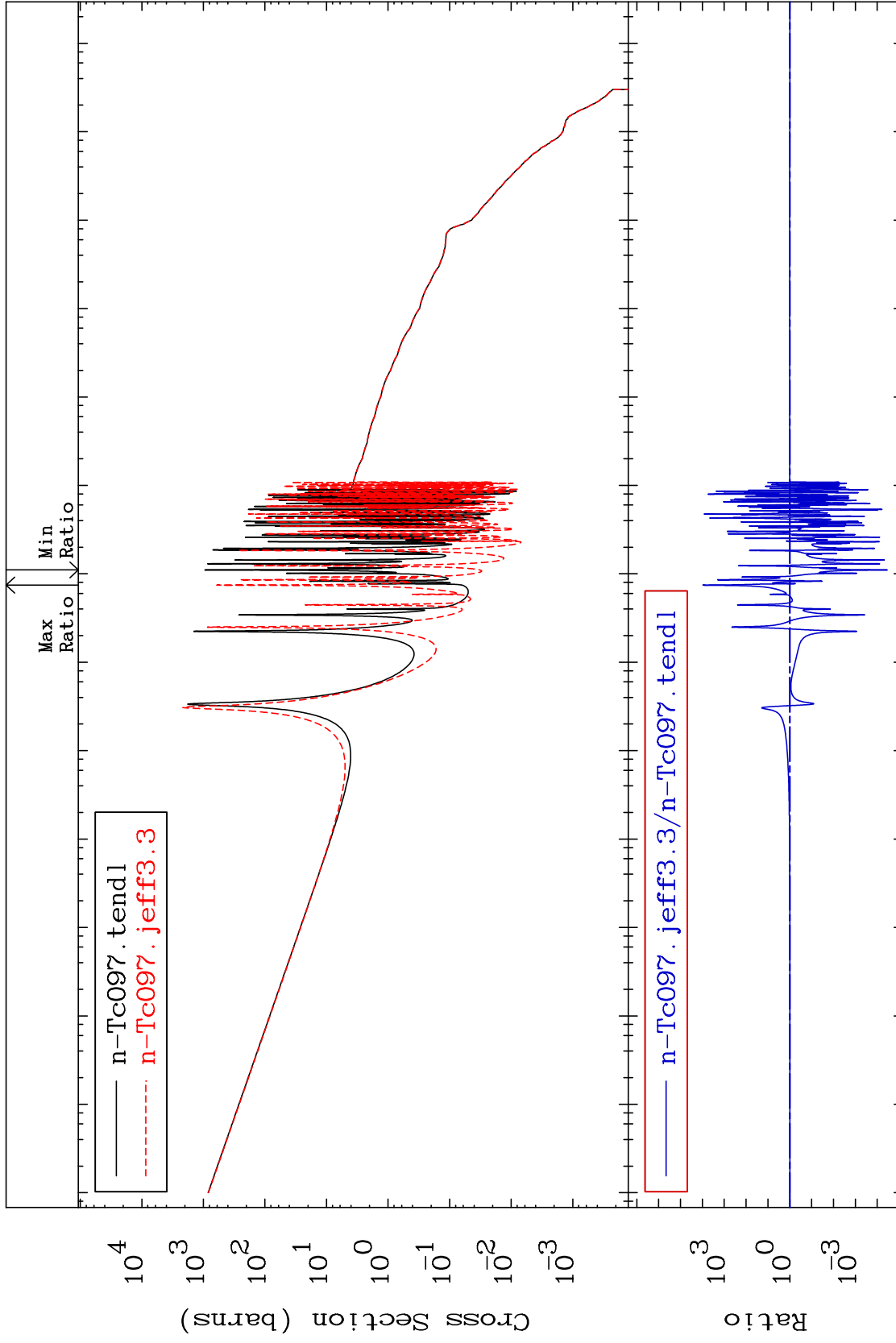
43-Tc-97
-0.515 To 0.016 %



MAT 4319

(n, γ)
Cross Section

43-Tc-97
-100.0 To 9999. %

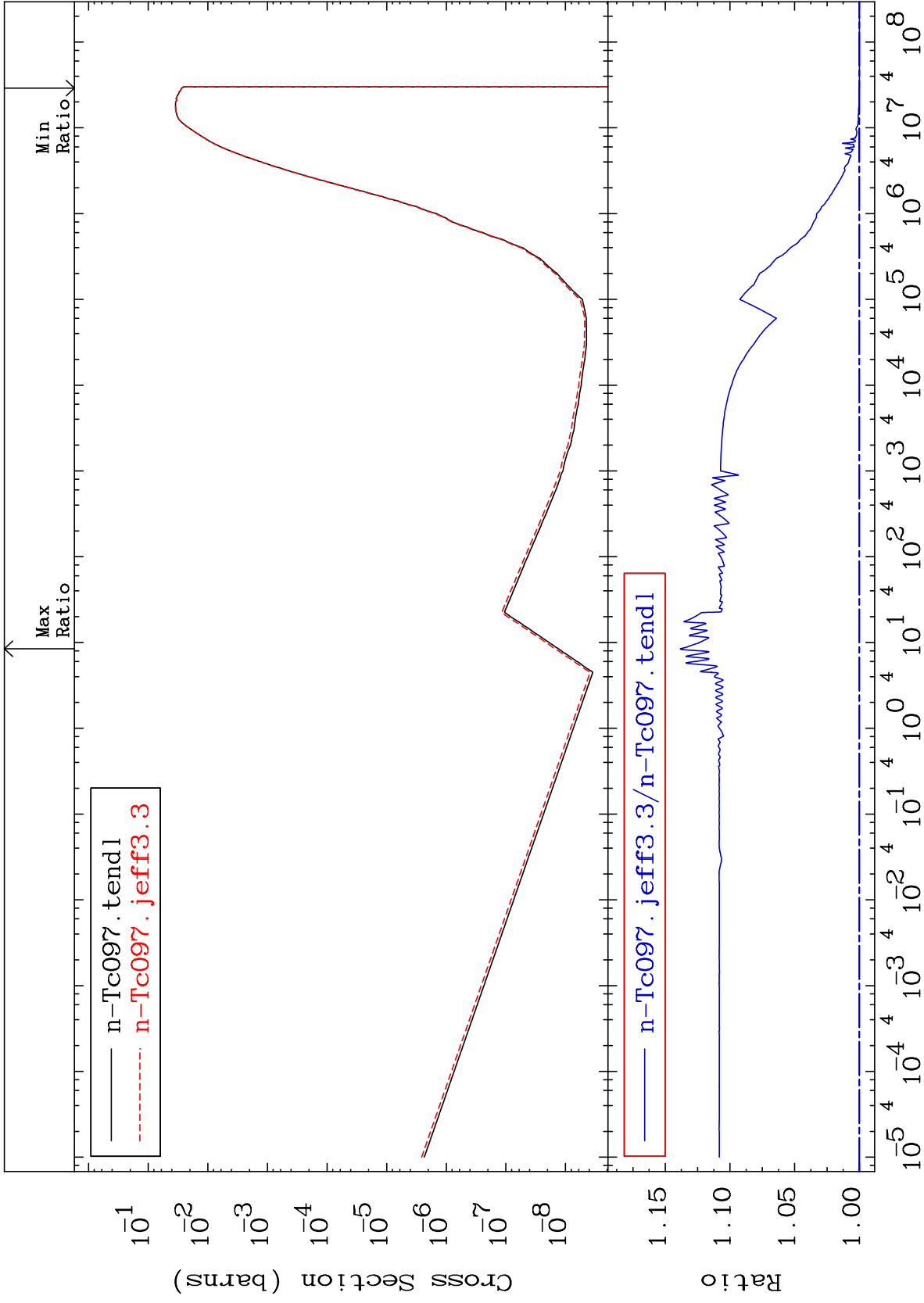


MAT 4319

43-Tc-97

(n,p)
Cross Section

-0.006 To 13.83 %



52

Incident Energy (eV)

43-Tc-97

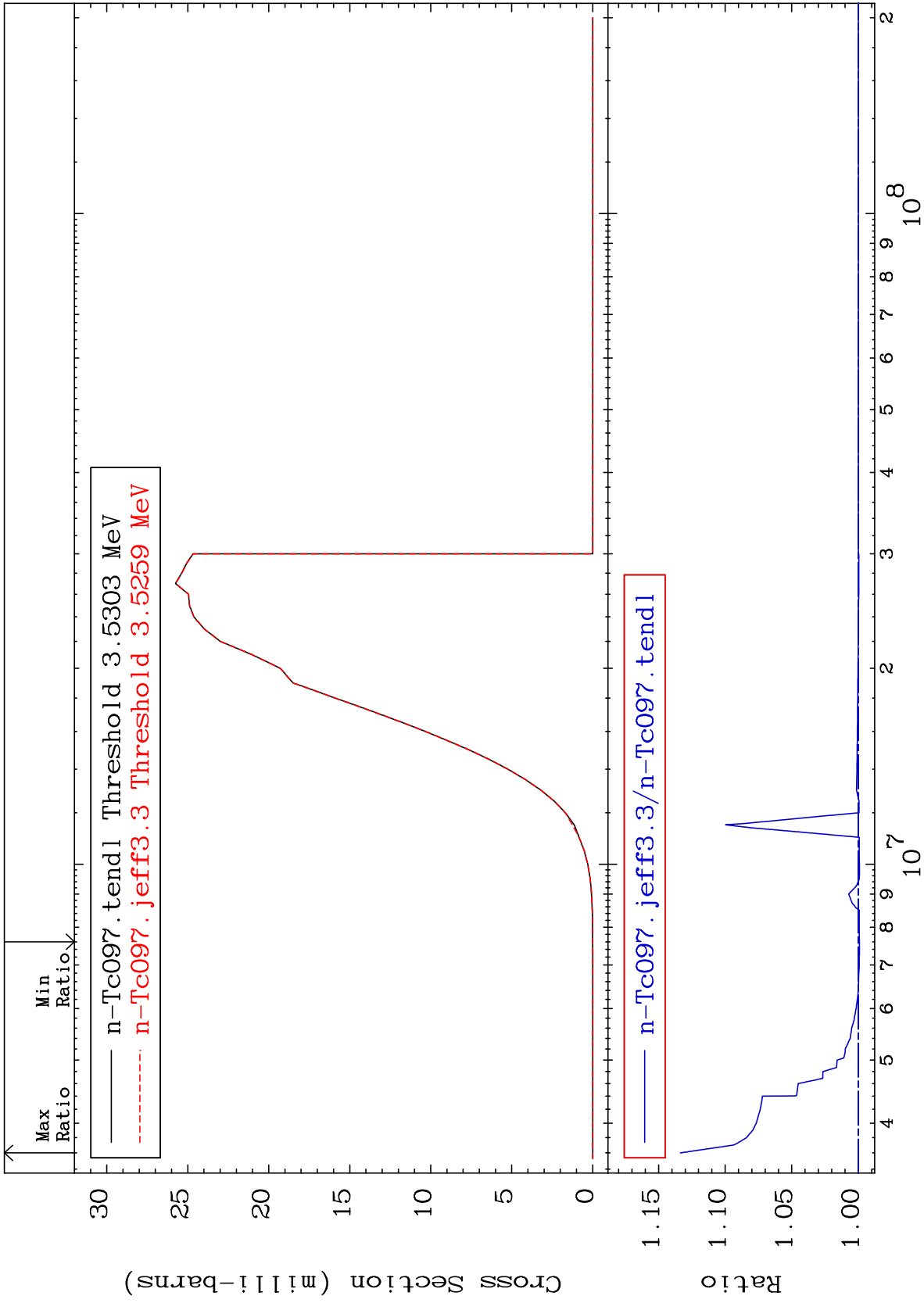
MAT 4319

(n, d)

⁴³Tc-97

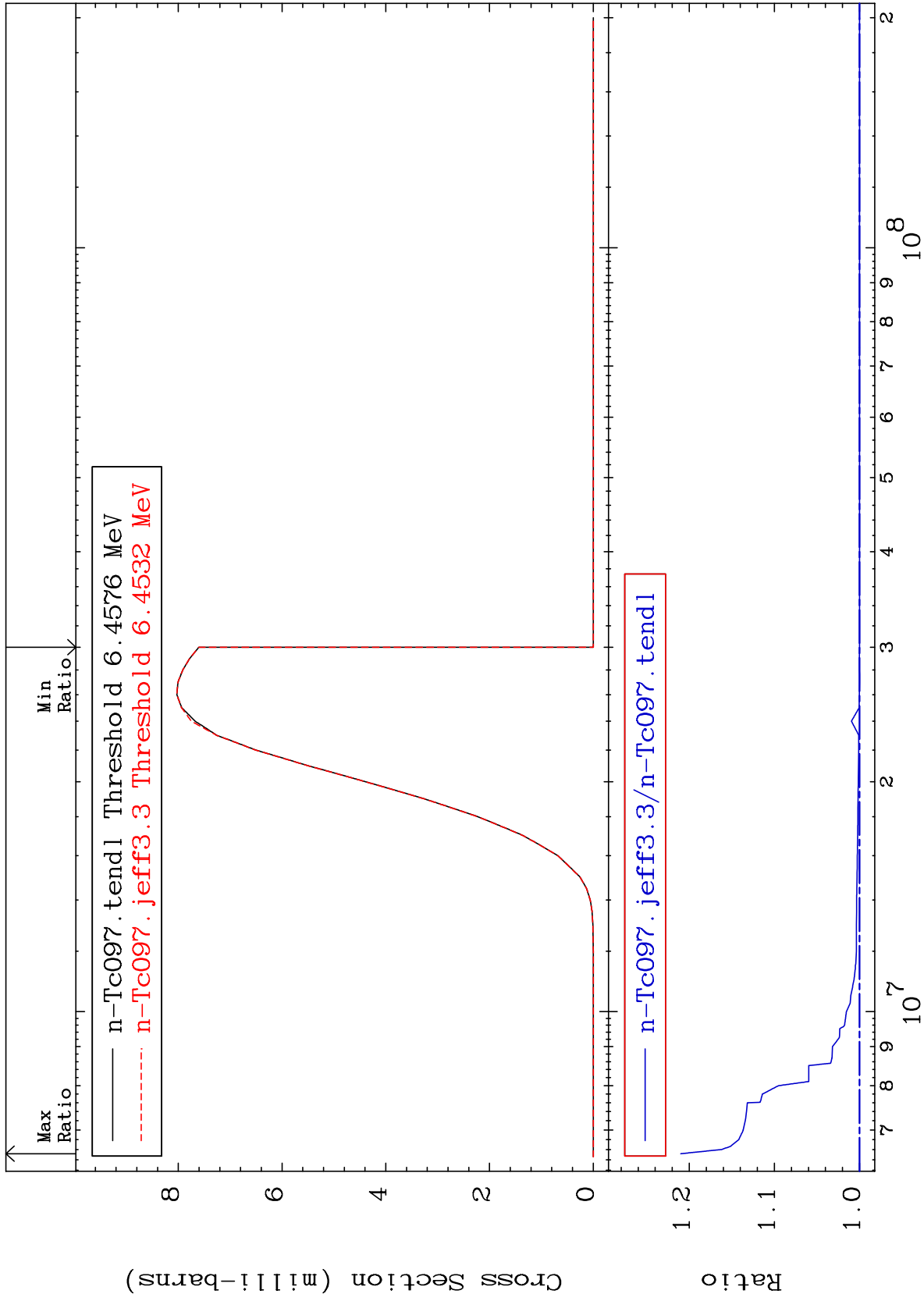
Cross Section

-0.084 To 13.37 %



MAT 4319

(n, t)
Cross Section
0.000 To 21.00 %
43-Tc-97



MAT 4319

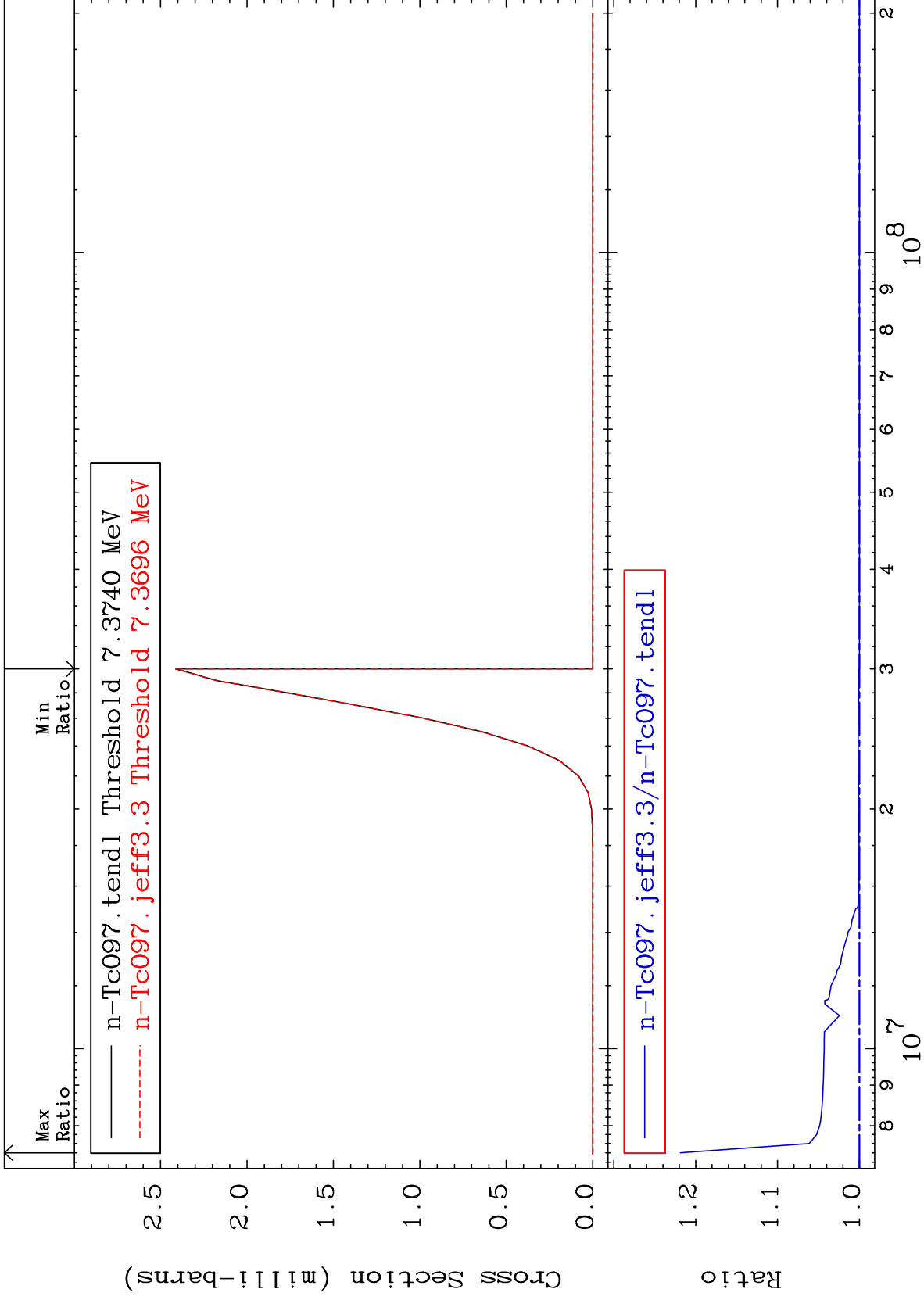
(n,He-3)

43-Tc-97

Cross Section

0.000

To 21.87 %



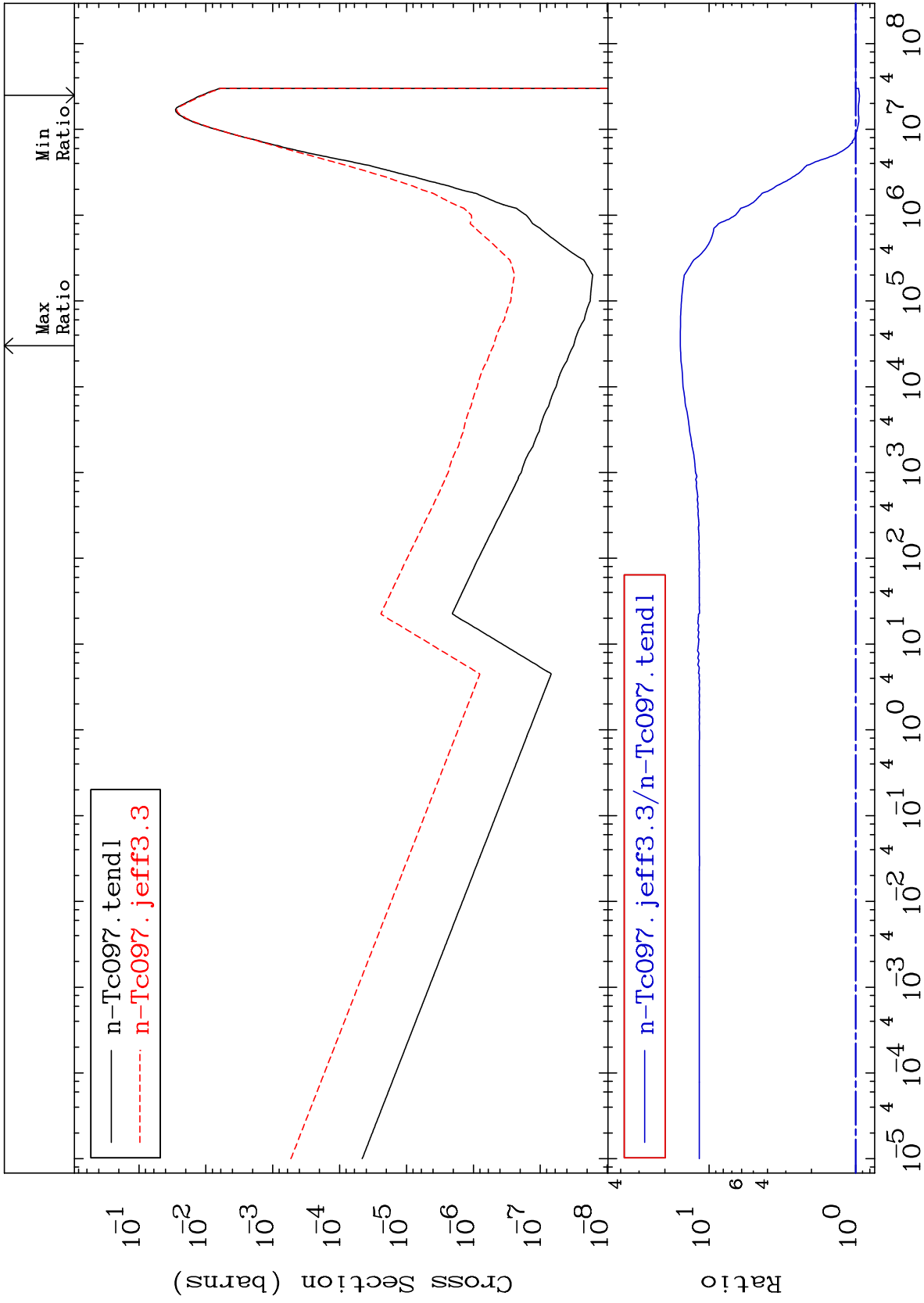
MAT 4319

(n, α)

43-Tc-97

Cross Section

-5.631 To 1468. %



56

Incident Energy (eV)

43-Tc-97

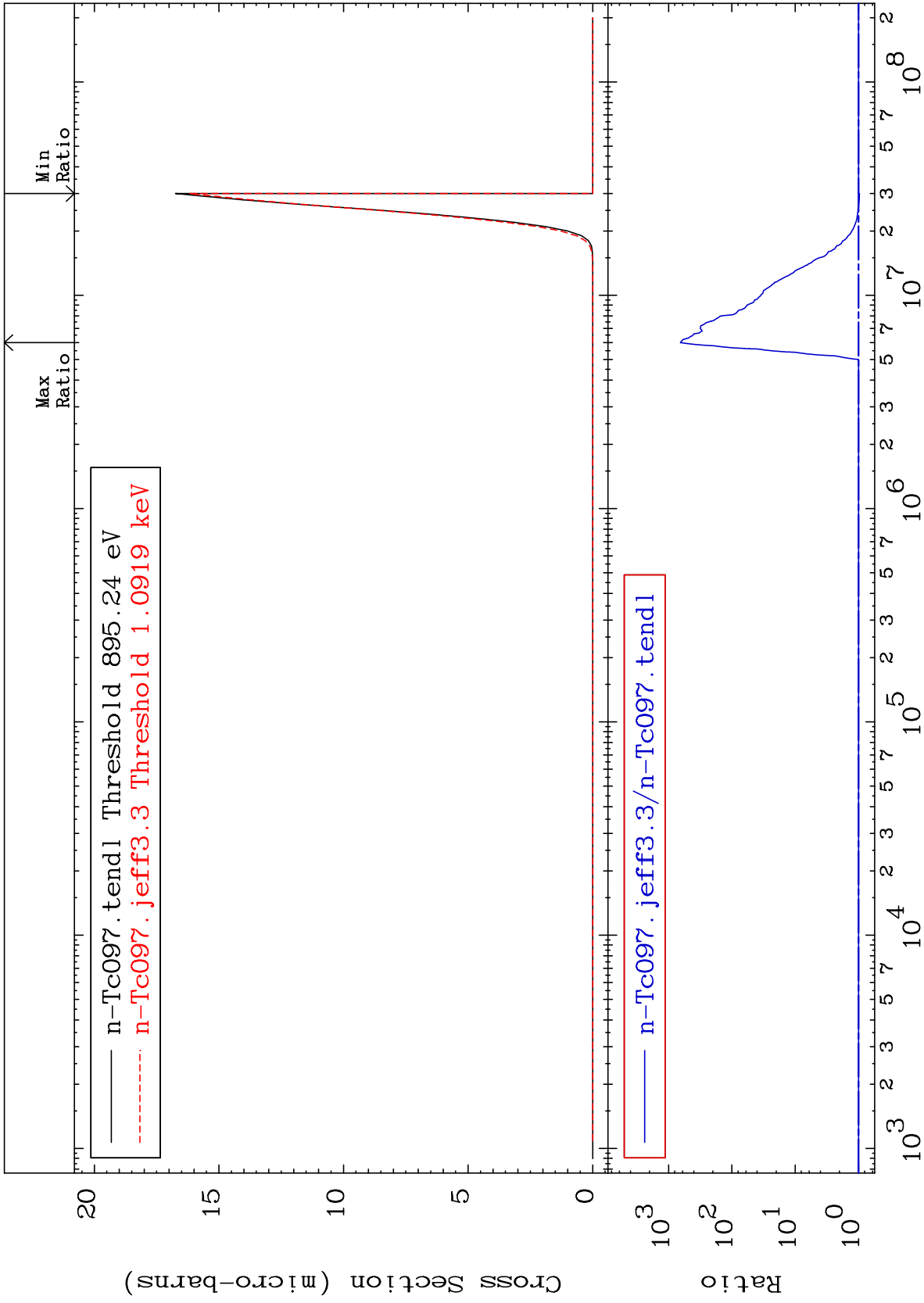
MAT 4319

(n,2α)

43-Tc-97

Cross Section

-3.288 To 9999. %



57

Incident Energy (eV)

43-Tc-97

MAT 4319

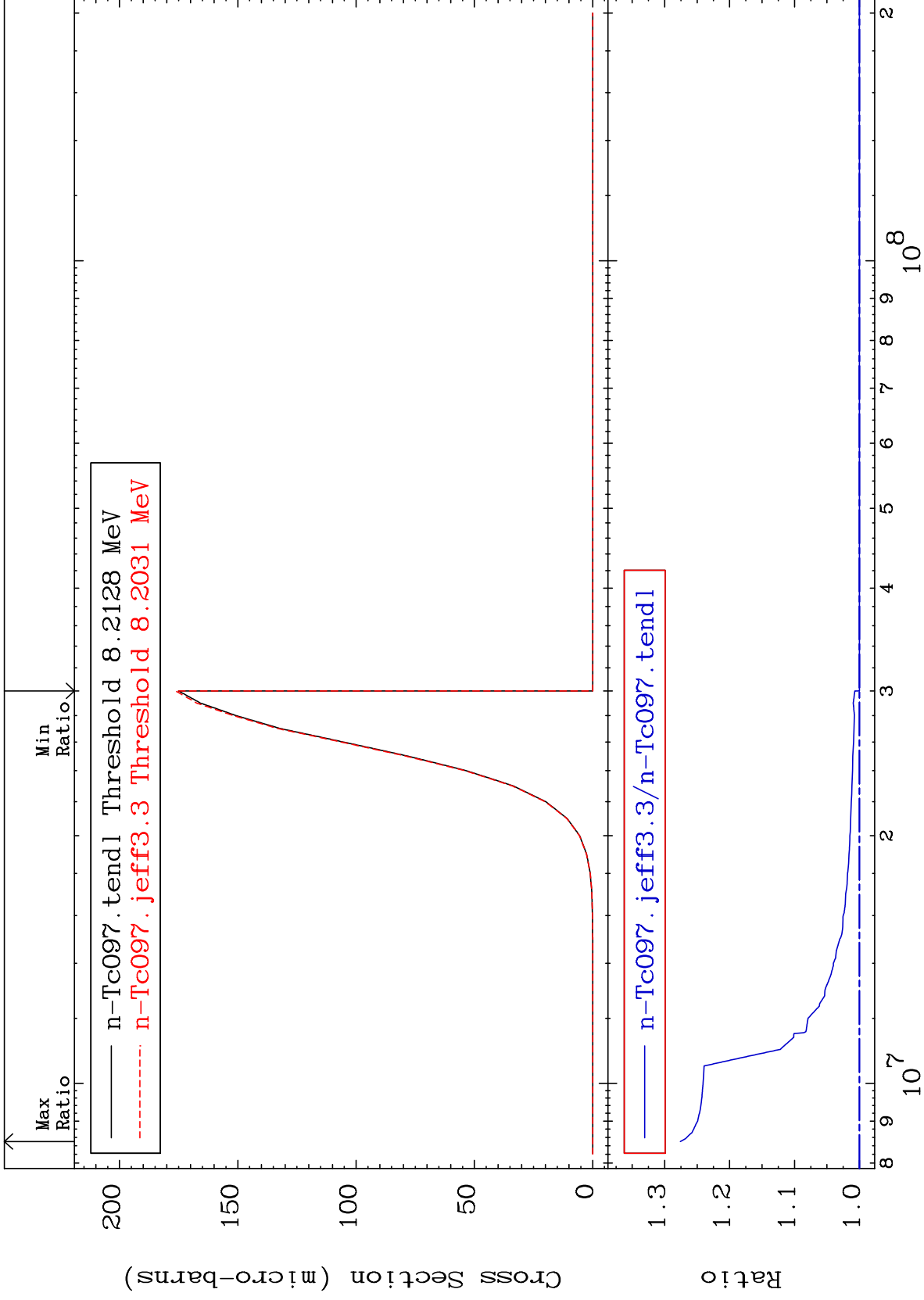
(n,2p)

43-Tc-97

Cross Section

0.000

To 27.59 %



58

Incident Energy (eV)

43-Tc-97

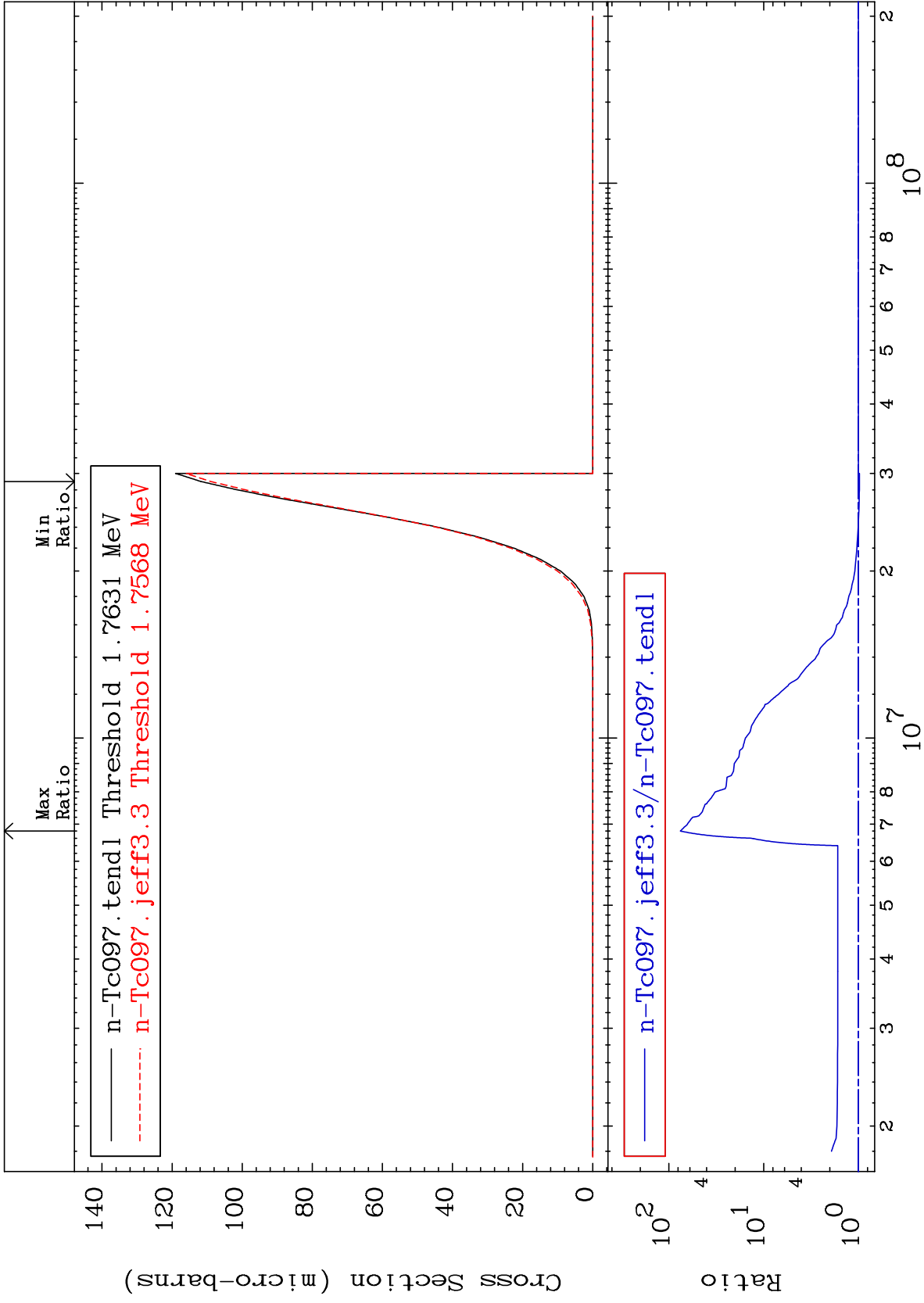
MAT 4319

(n,p) α

⁴³Tc-97

Cross Section

-2.484 To 7468. %



59

Incident Energy (eV)

⁴³Tc-97

MAT 4319

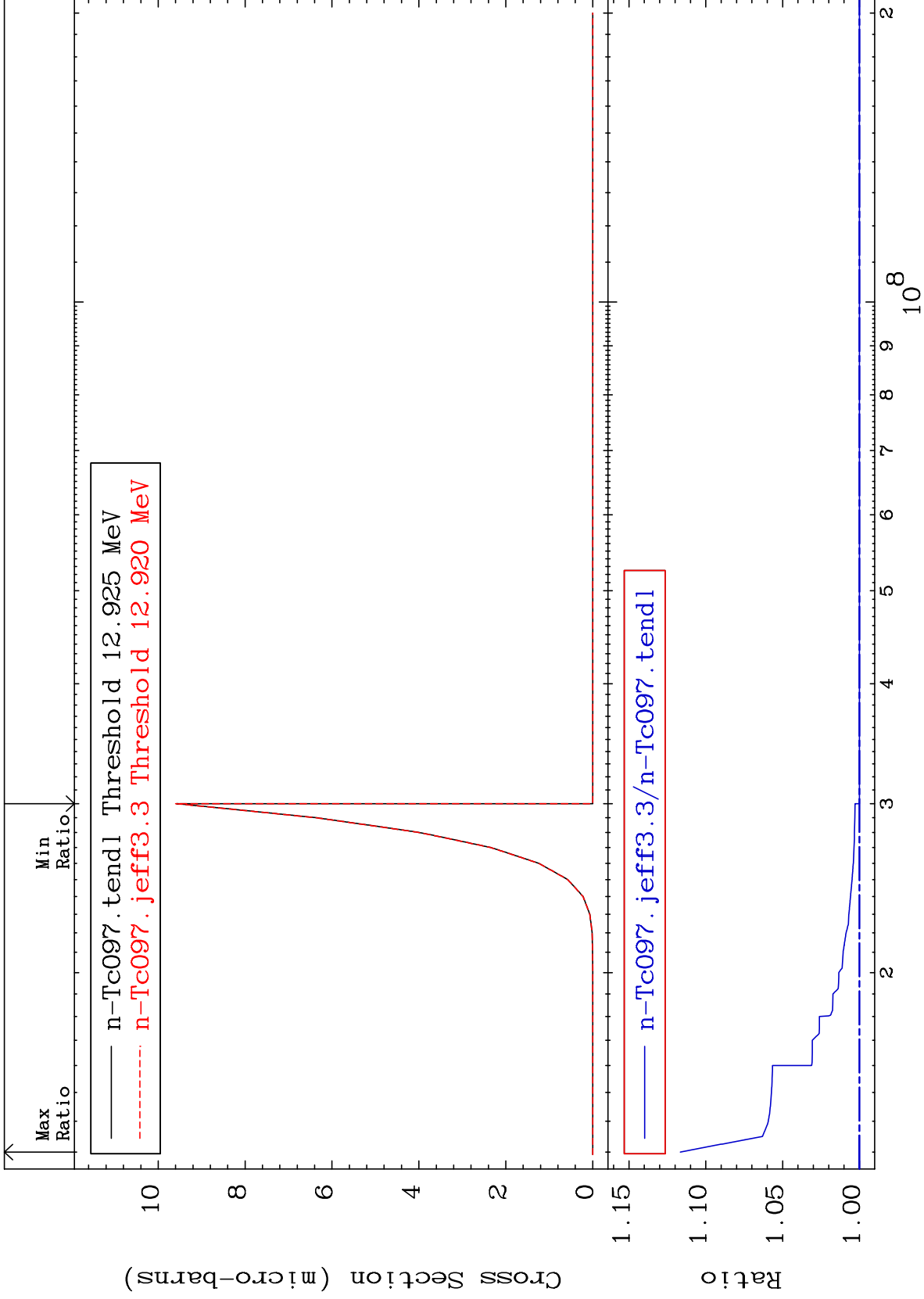
(n,p) d

⁴³Tc-97

Cross Section

0.000

To 11.66 %



60

Incident Energy (eV)

⁴³Tc-97

MAT 4319

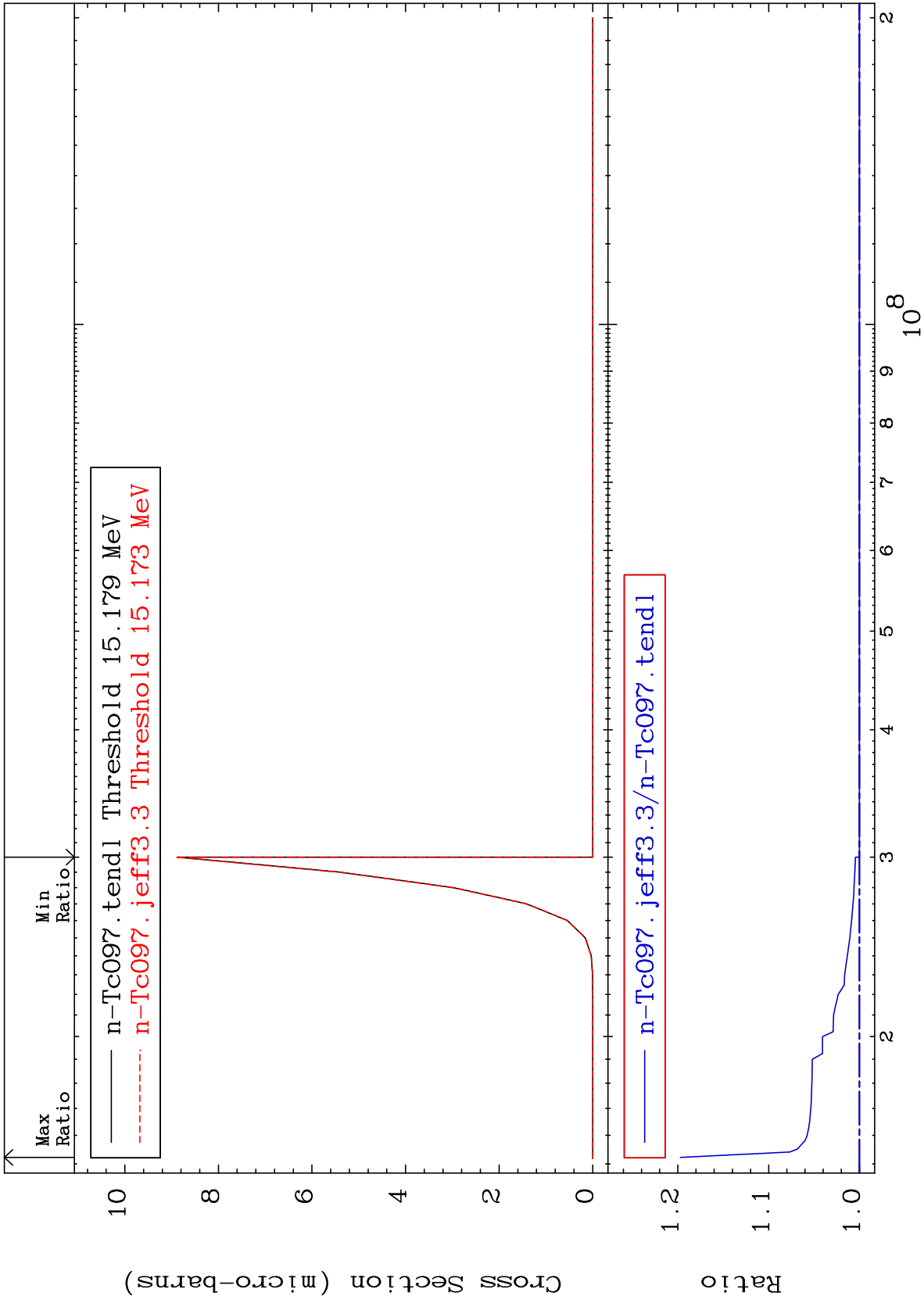
(n,p) t

43-Tc-97

Cross Section

0.000

To 19.73 %



61

Incident Energy (eV)

43-Tc-97

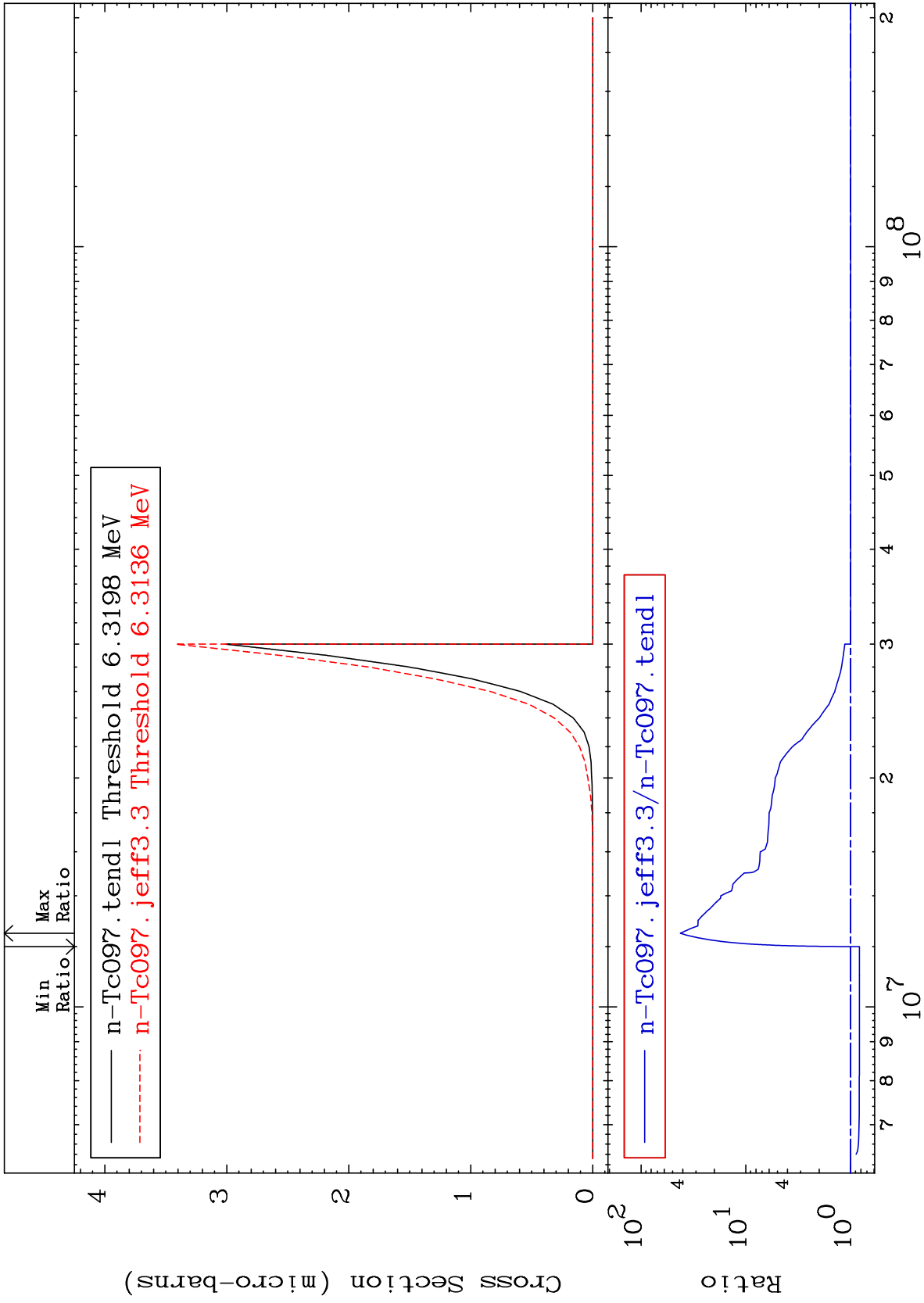
MAT 4319

(n, d) α

⁴³Tc-97

Cross Section

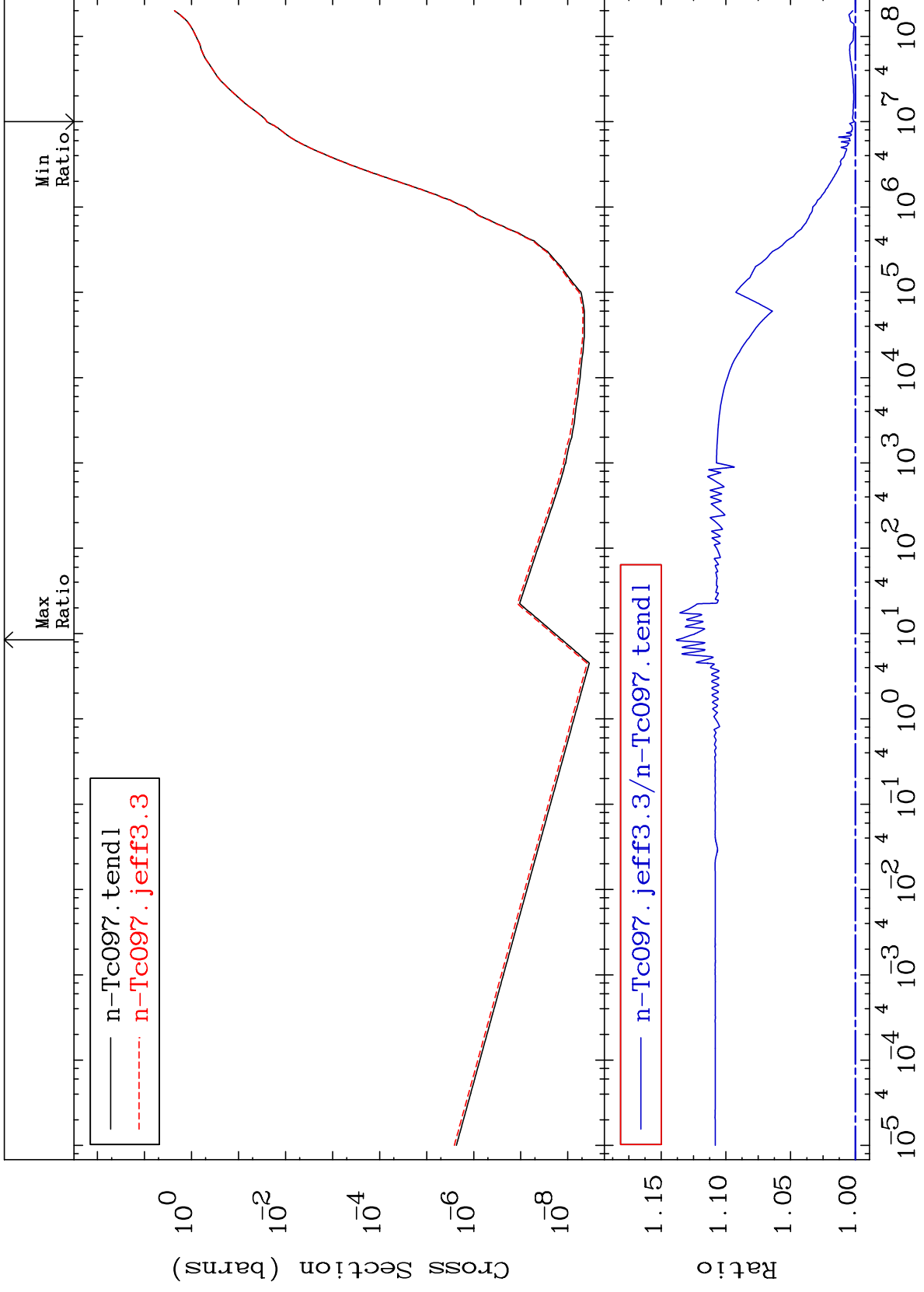
-17.47 To 4116. %



MAT 4319

Hydrogen Production
Cross Section

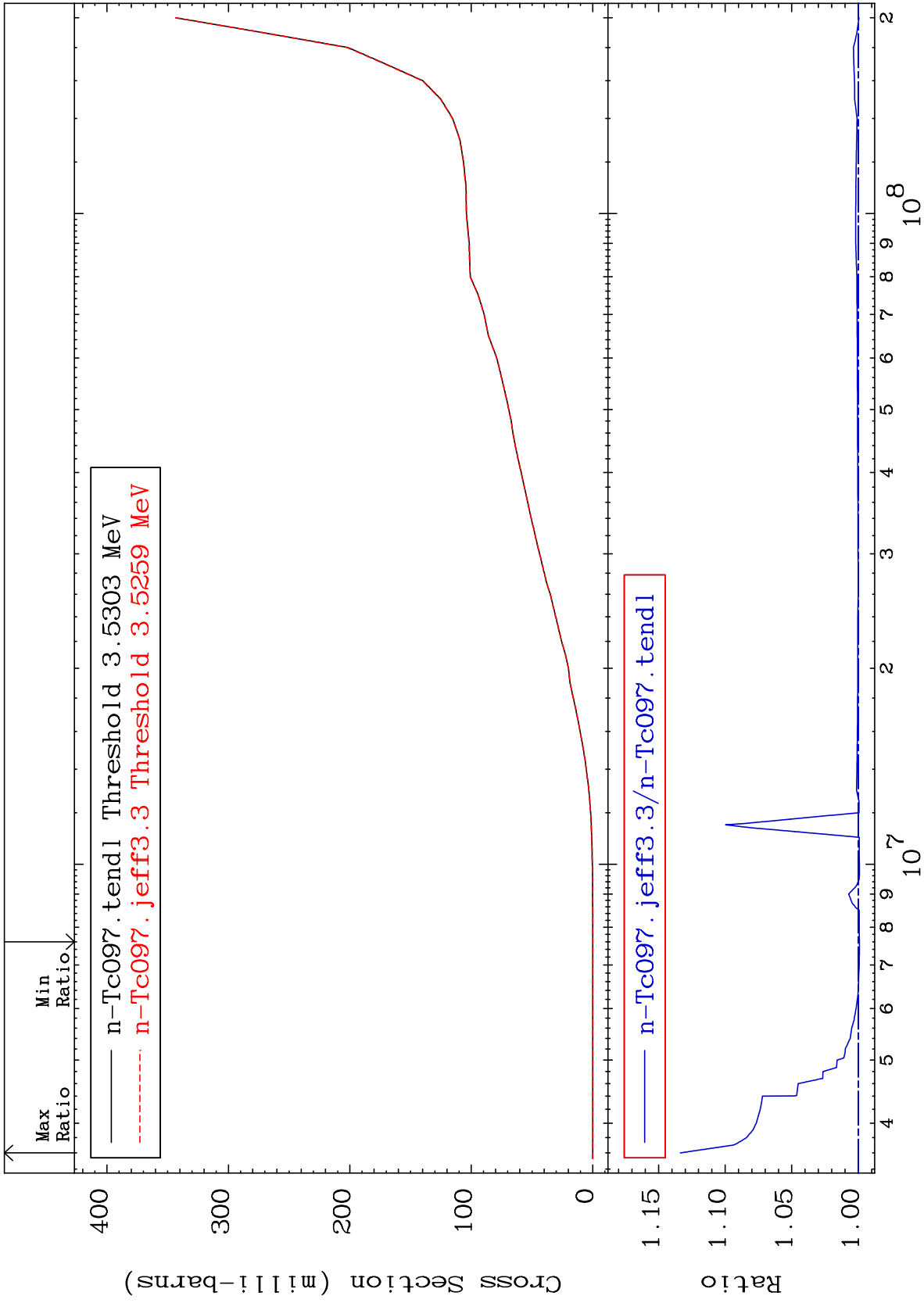
43-Tc-97
0.072 To 13.83 %



MAT 4319

Deuterium Production
Cross Section

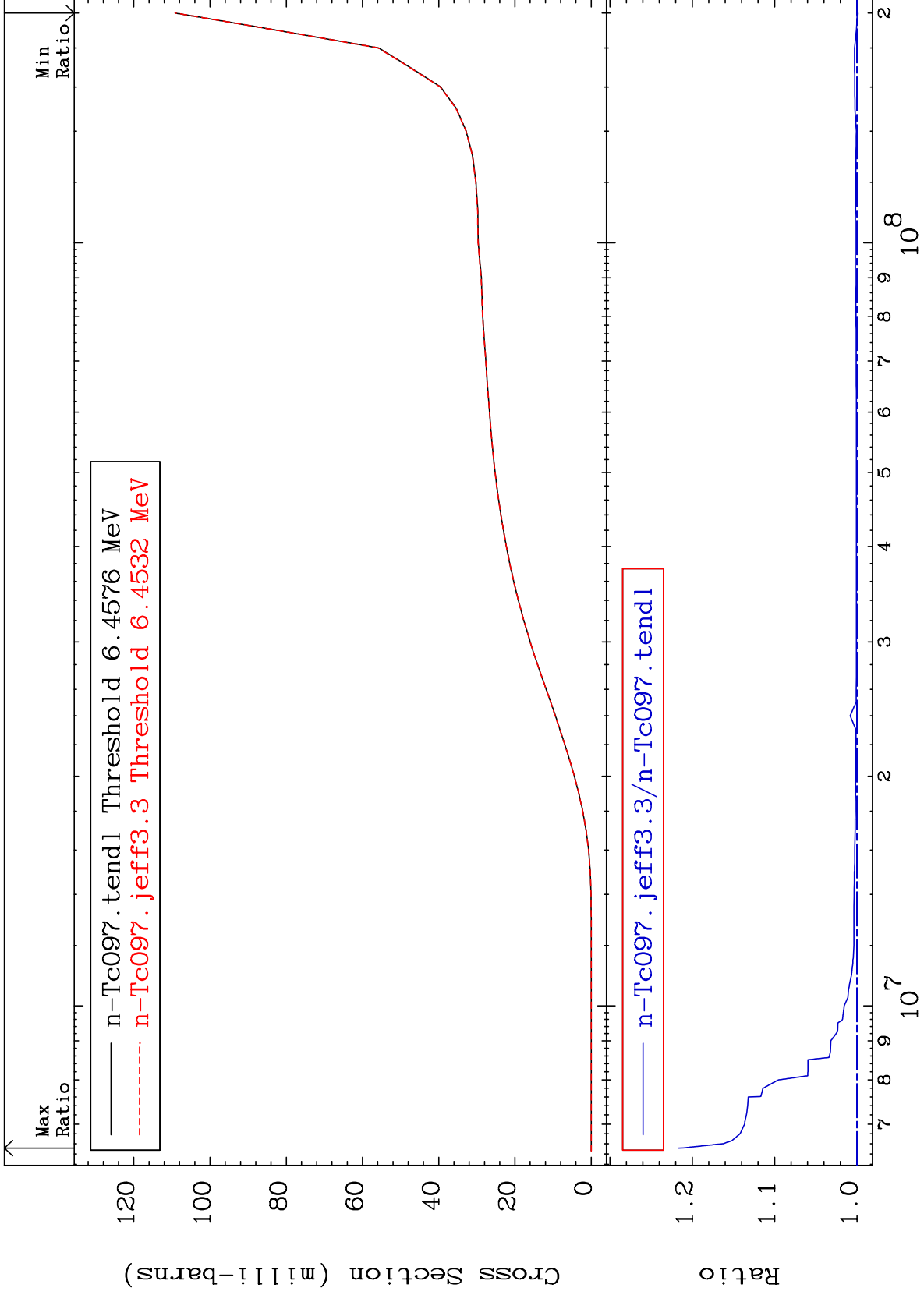
⁴³Tc-97
-0.084 To 13.37 %



MAT 4319

Tritium Production
Cross Section

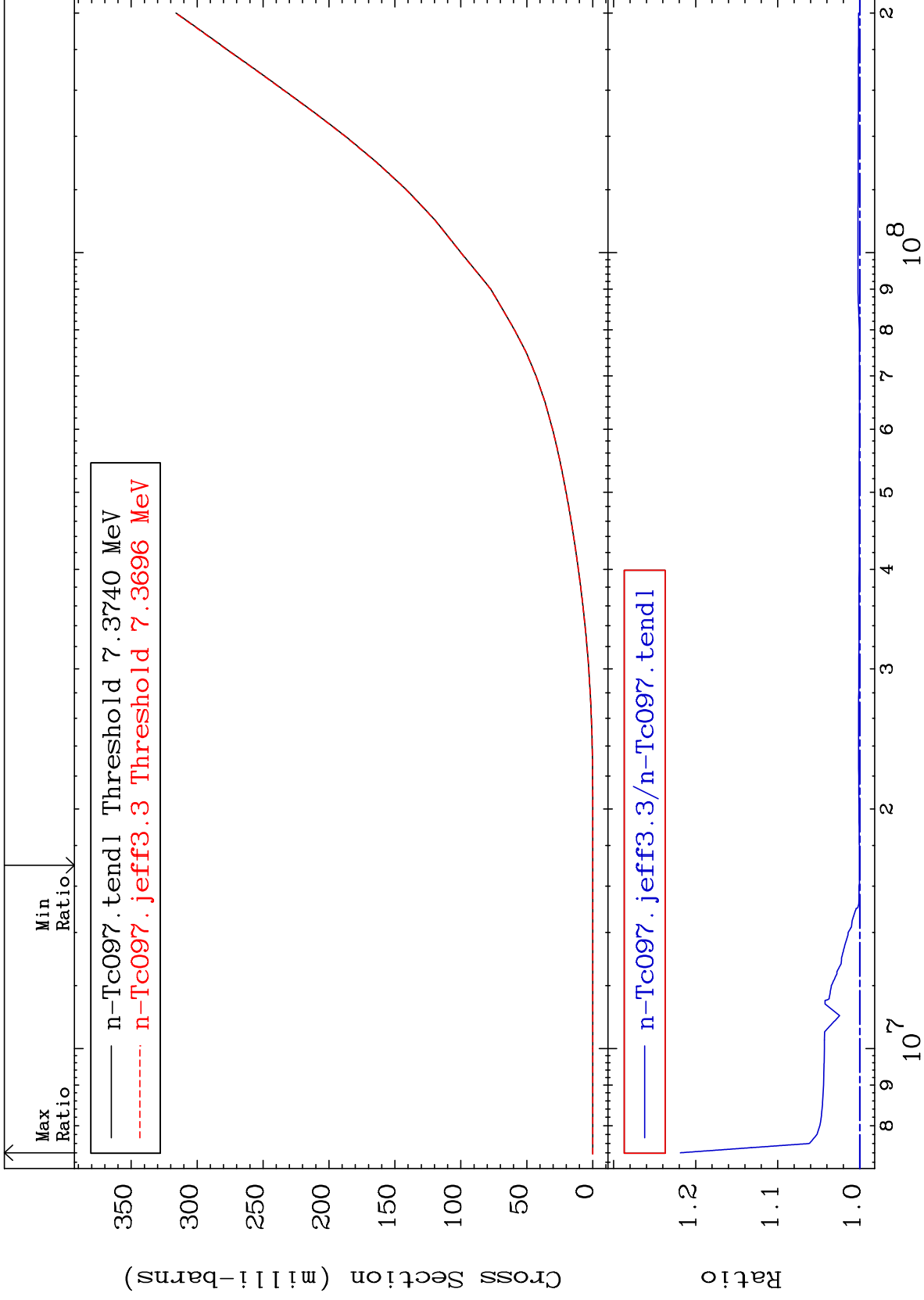
43-Tc-97
-0.038 To 21.65 %



MAT 4319

He-3 Production
Cross Section

43-Tc-97
To 21.87 %



66

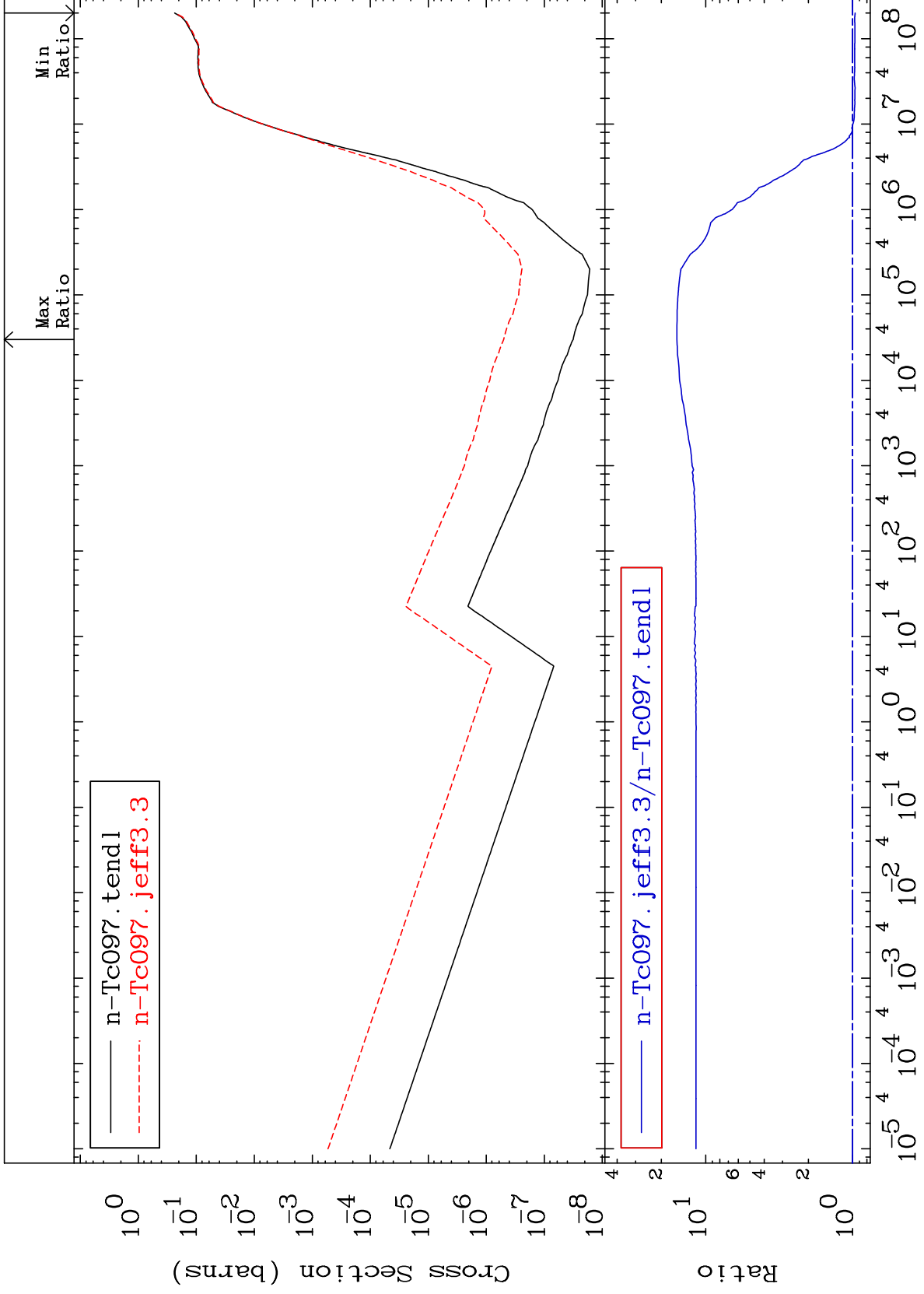
Incident Energy (eV)

43-Tc-97

MAT 4319

He-4 Production
Cross Section

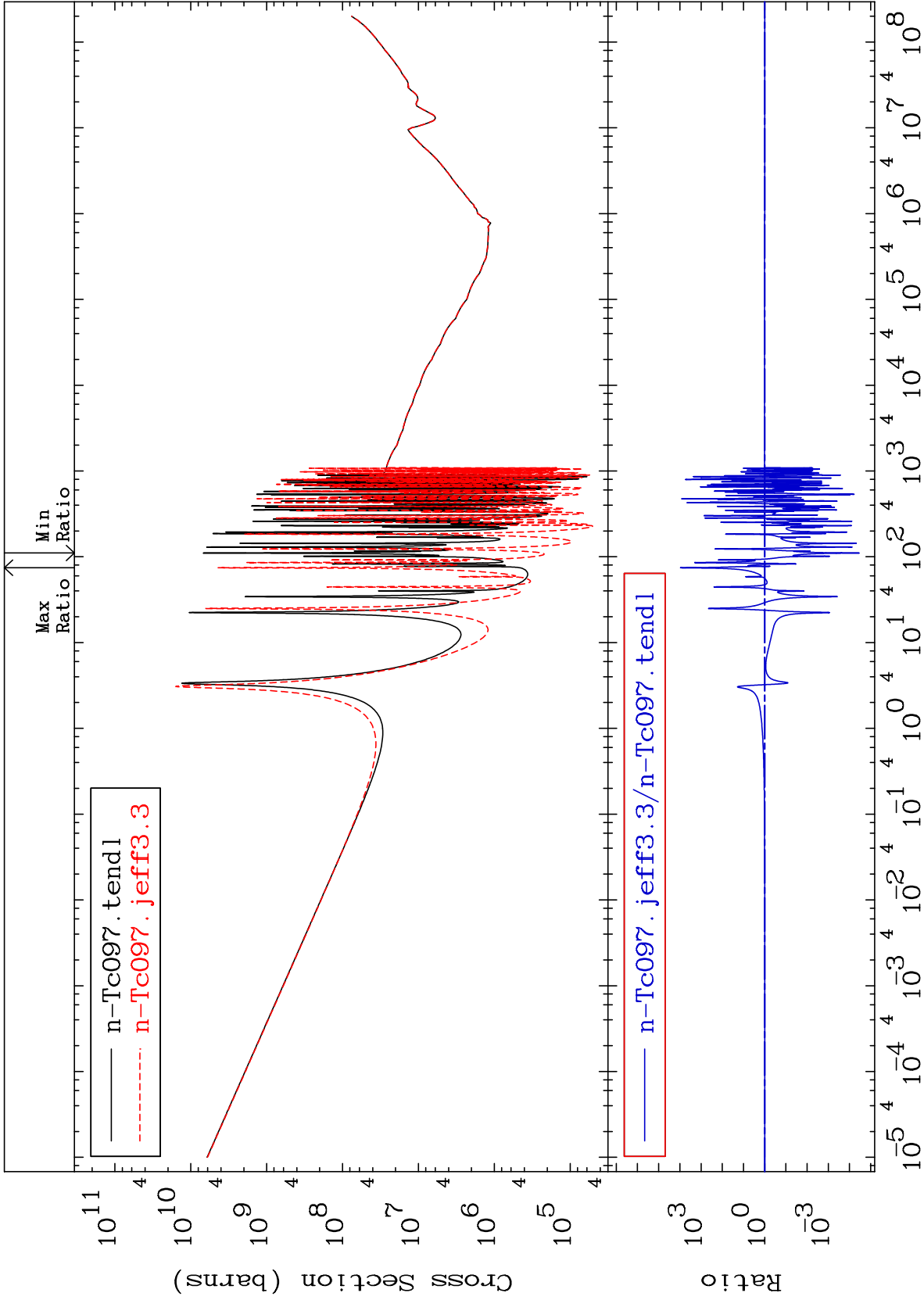
43-Tc-97
-3.723 To 1468. %



67

Incident Energy (eV)

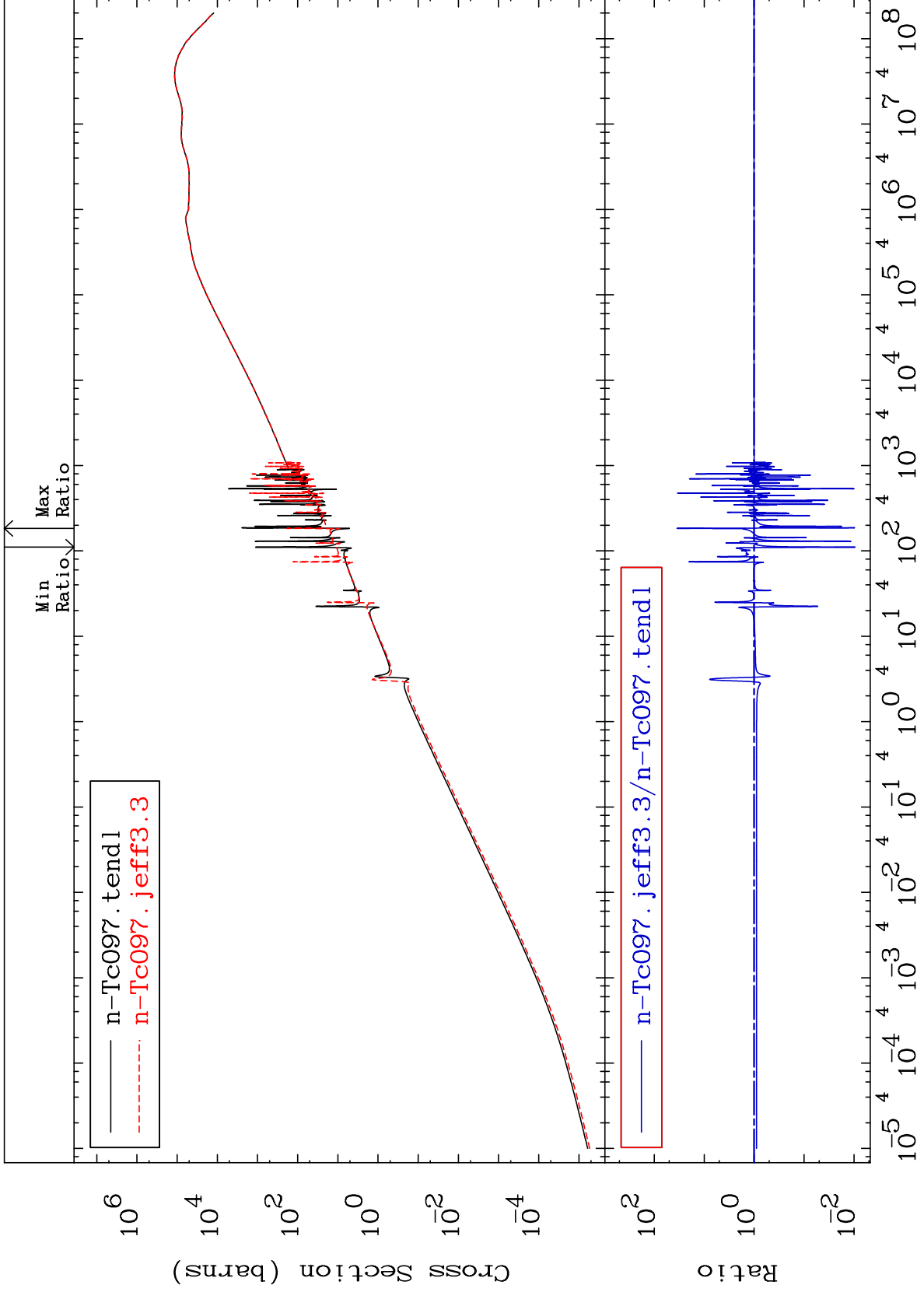
43-Tc-97

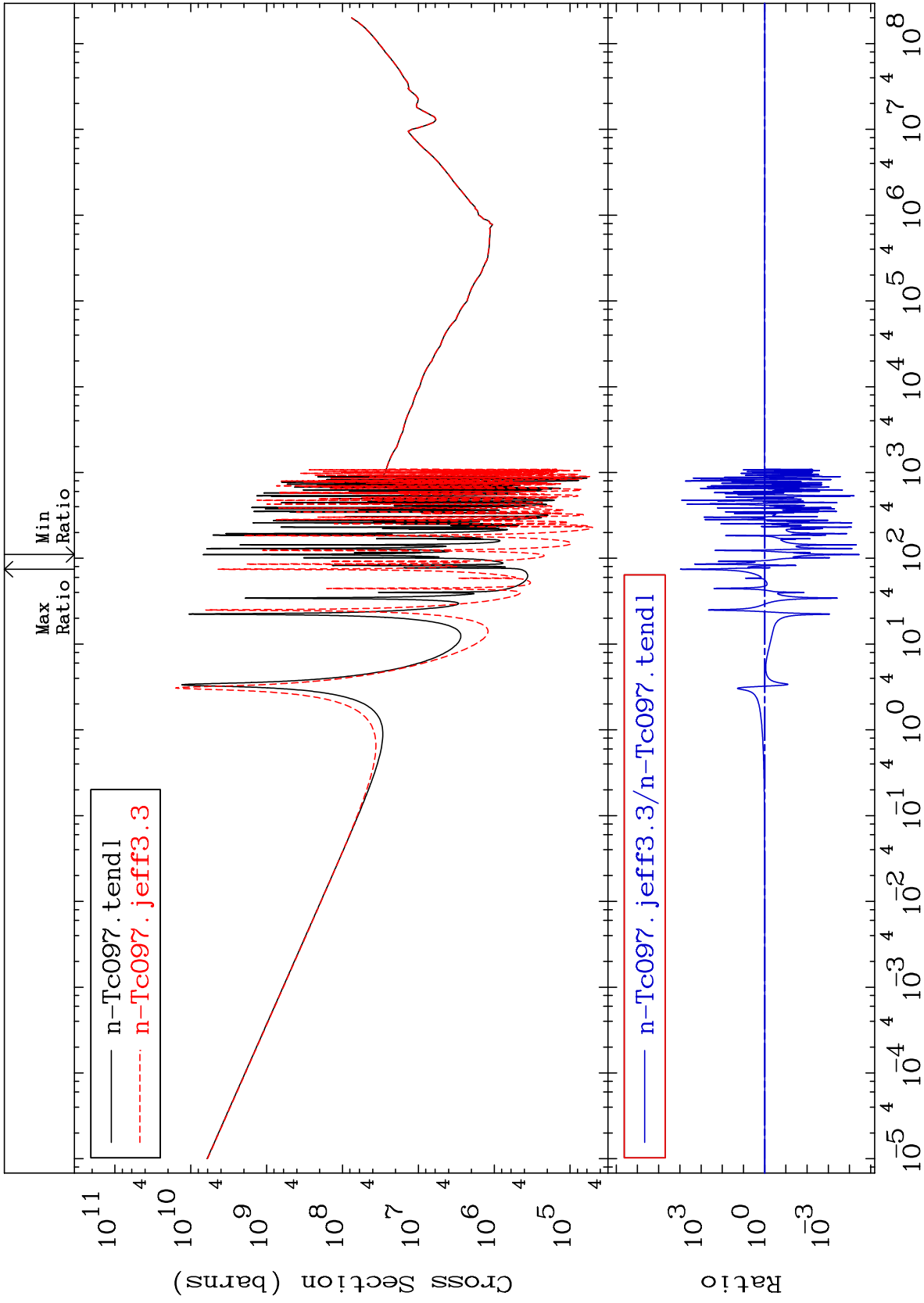


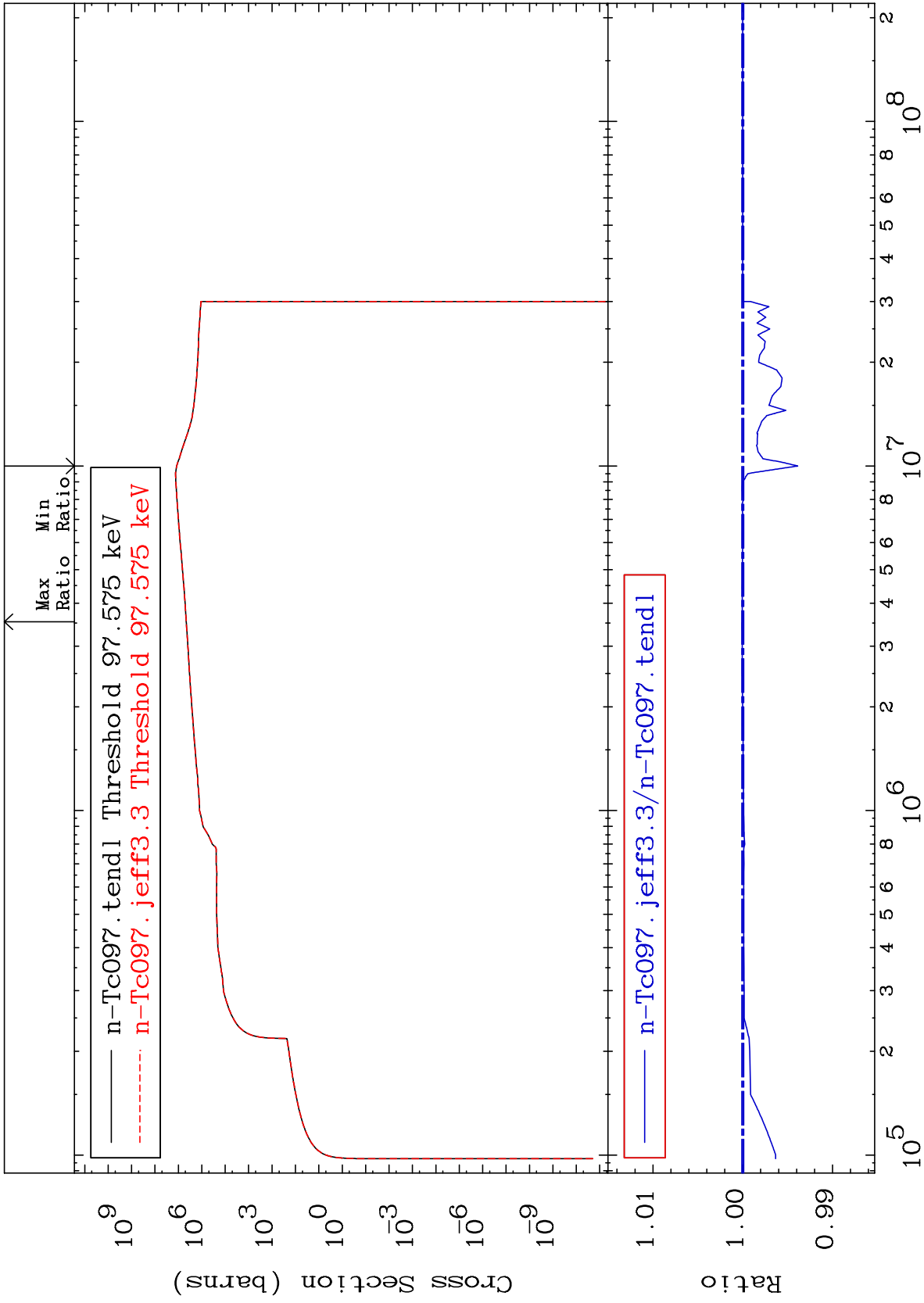
MAT 4319

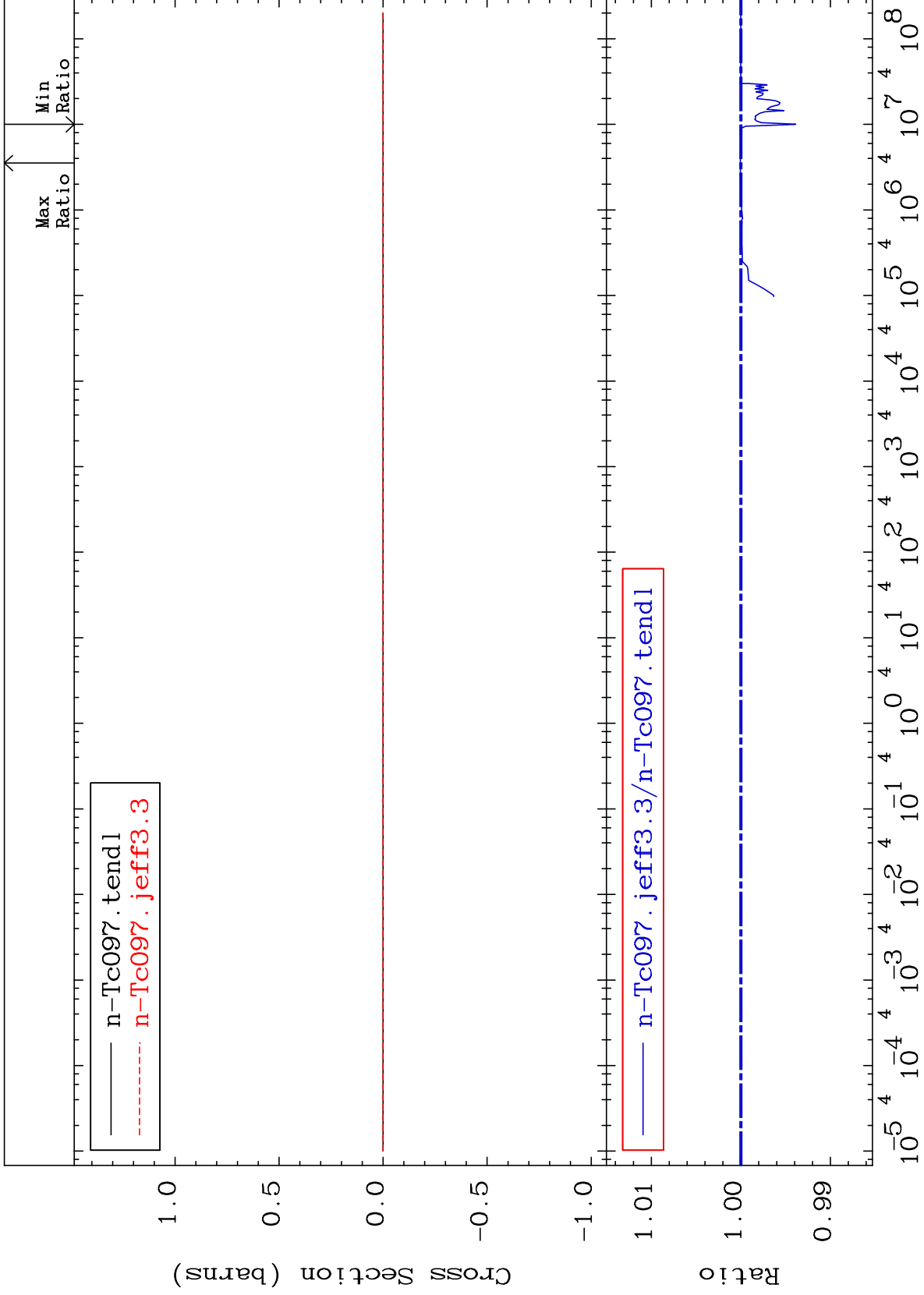
Kerma elastic
Cross Section

43-Tc-97
-99.05 To 3418. %





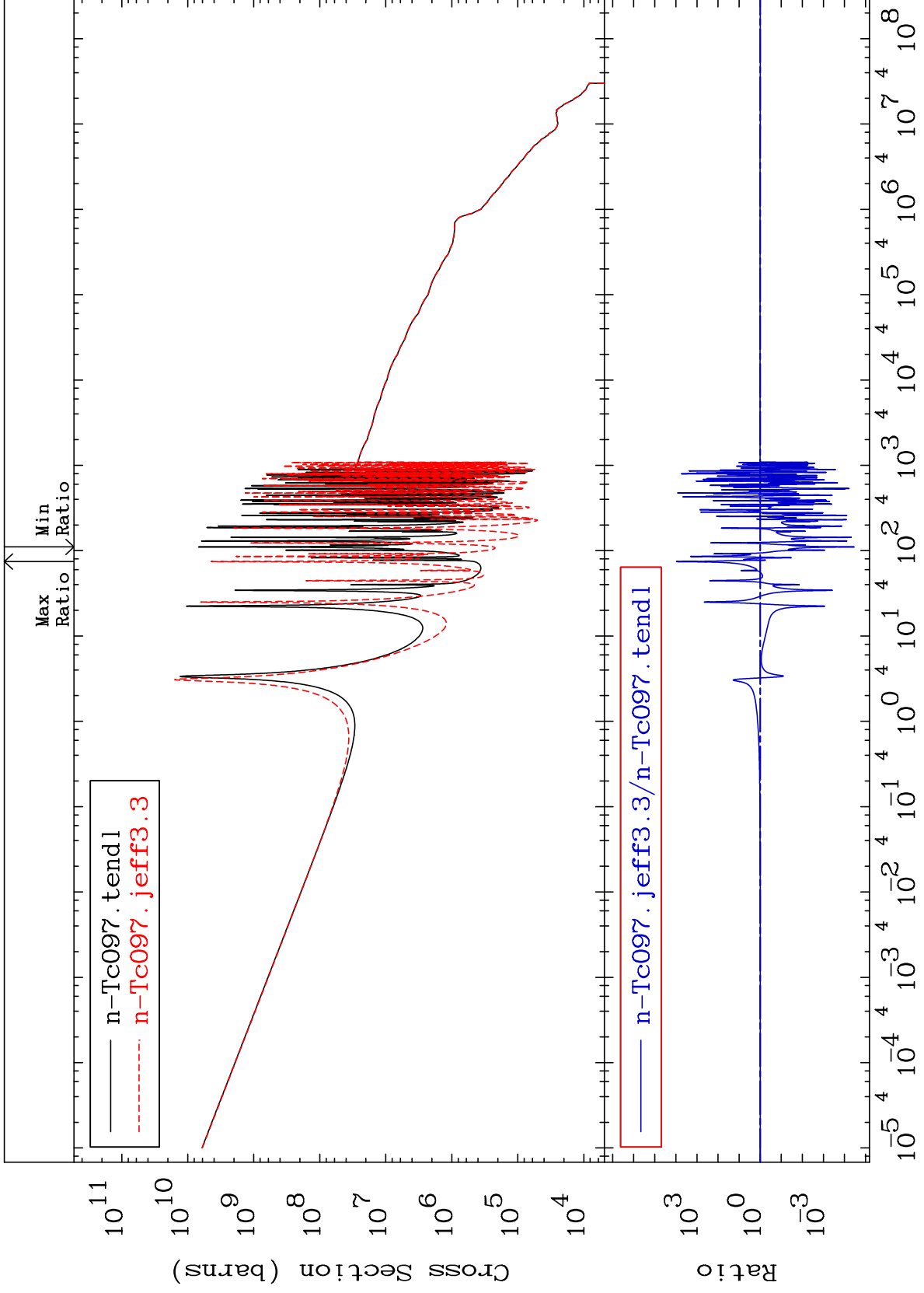




MAT 4319

Kerma capture (mt102)
Cross Section

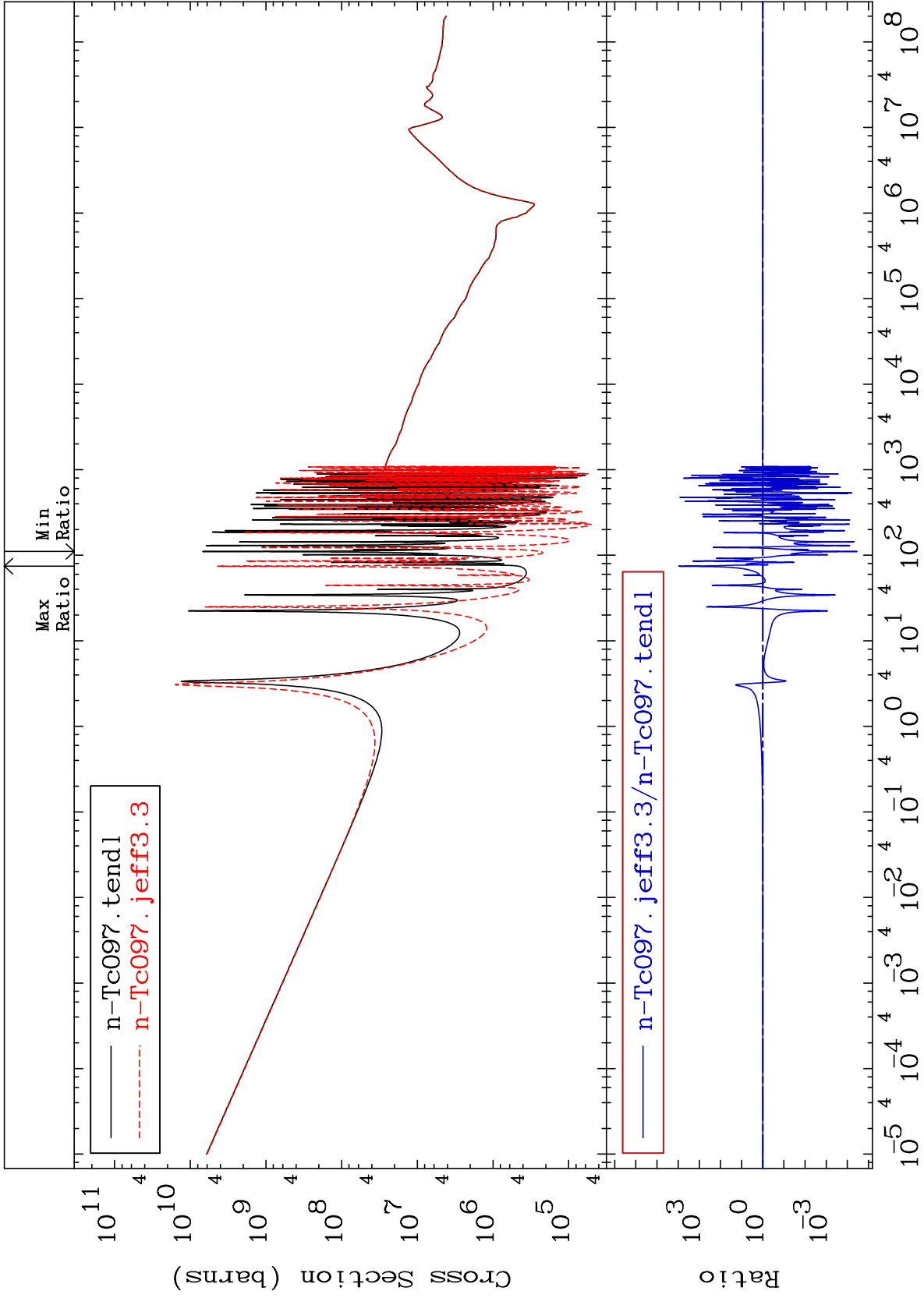
43-Tc-97
-100.0 To 9999. %

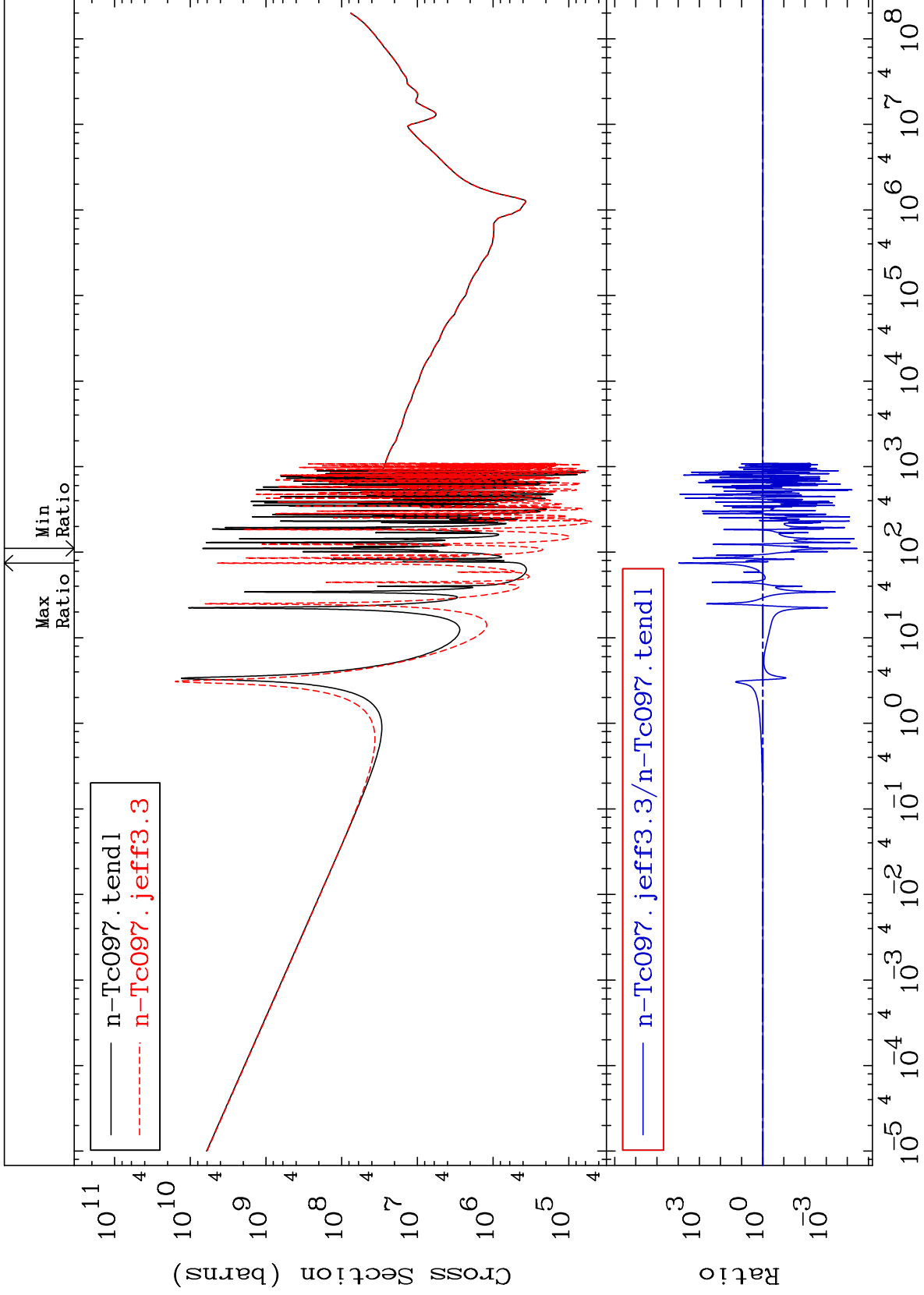


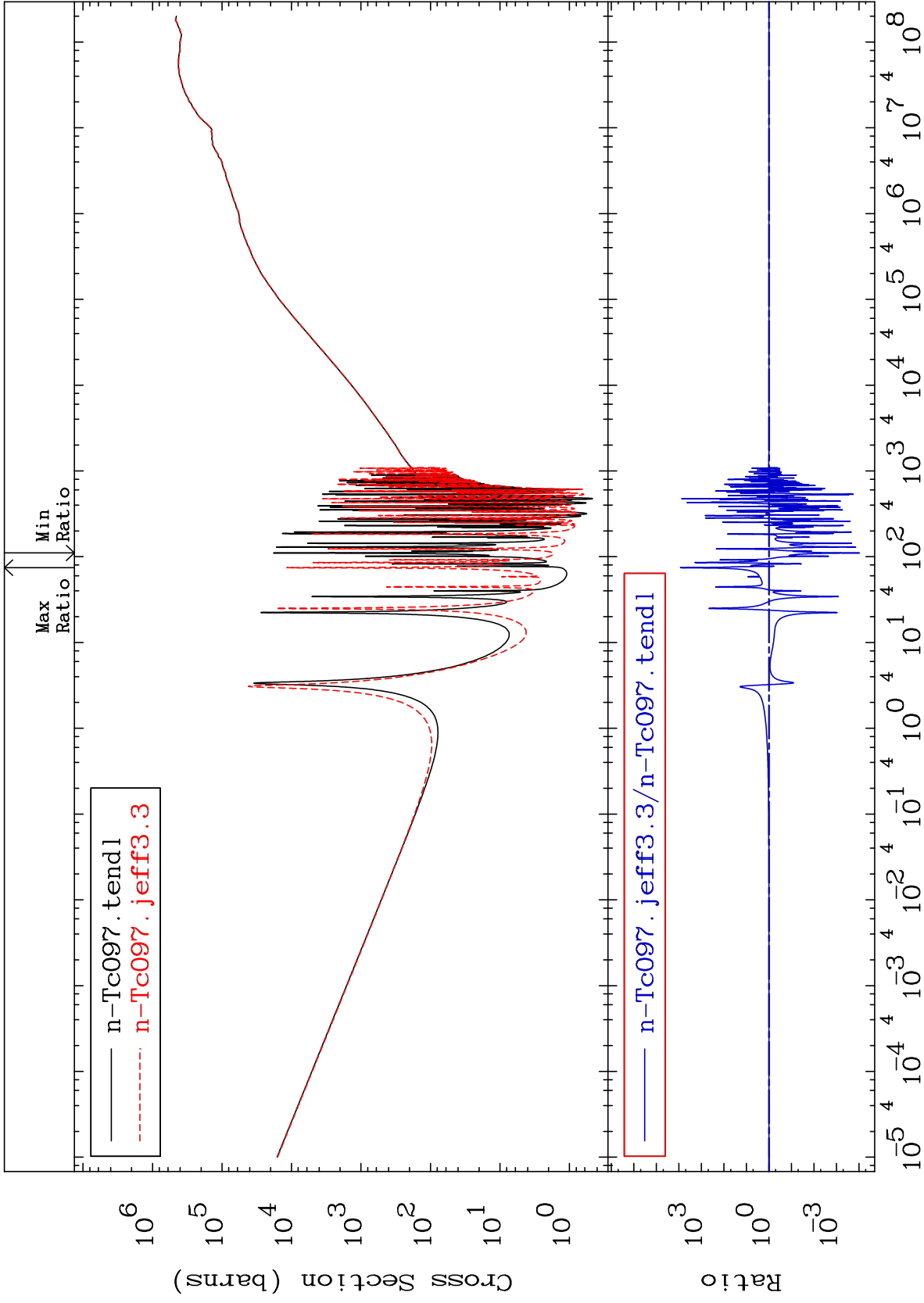
73

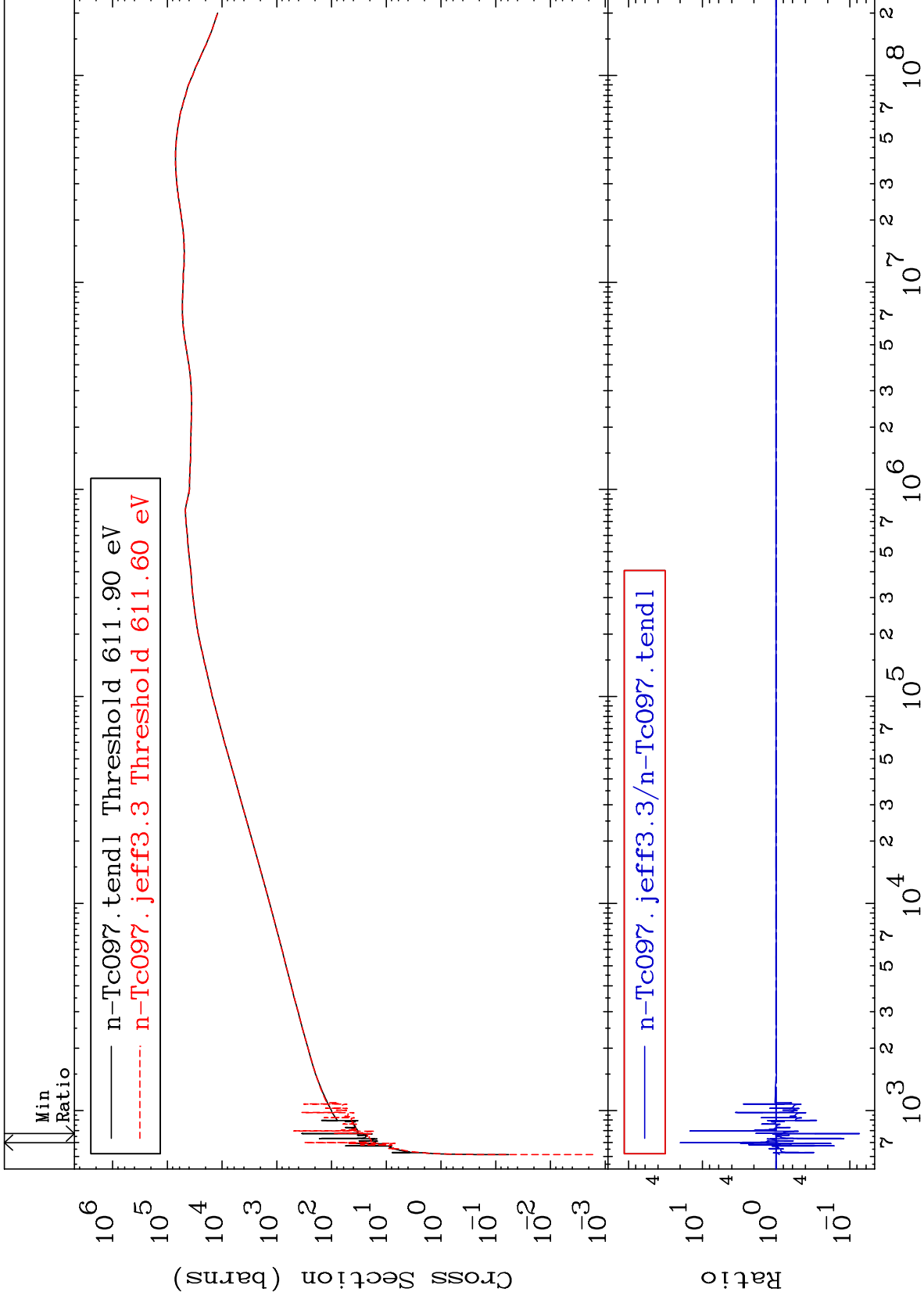
Incident Energy (eV)

43-Tc-97









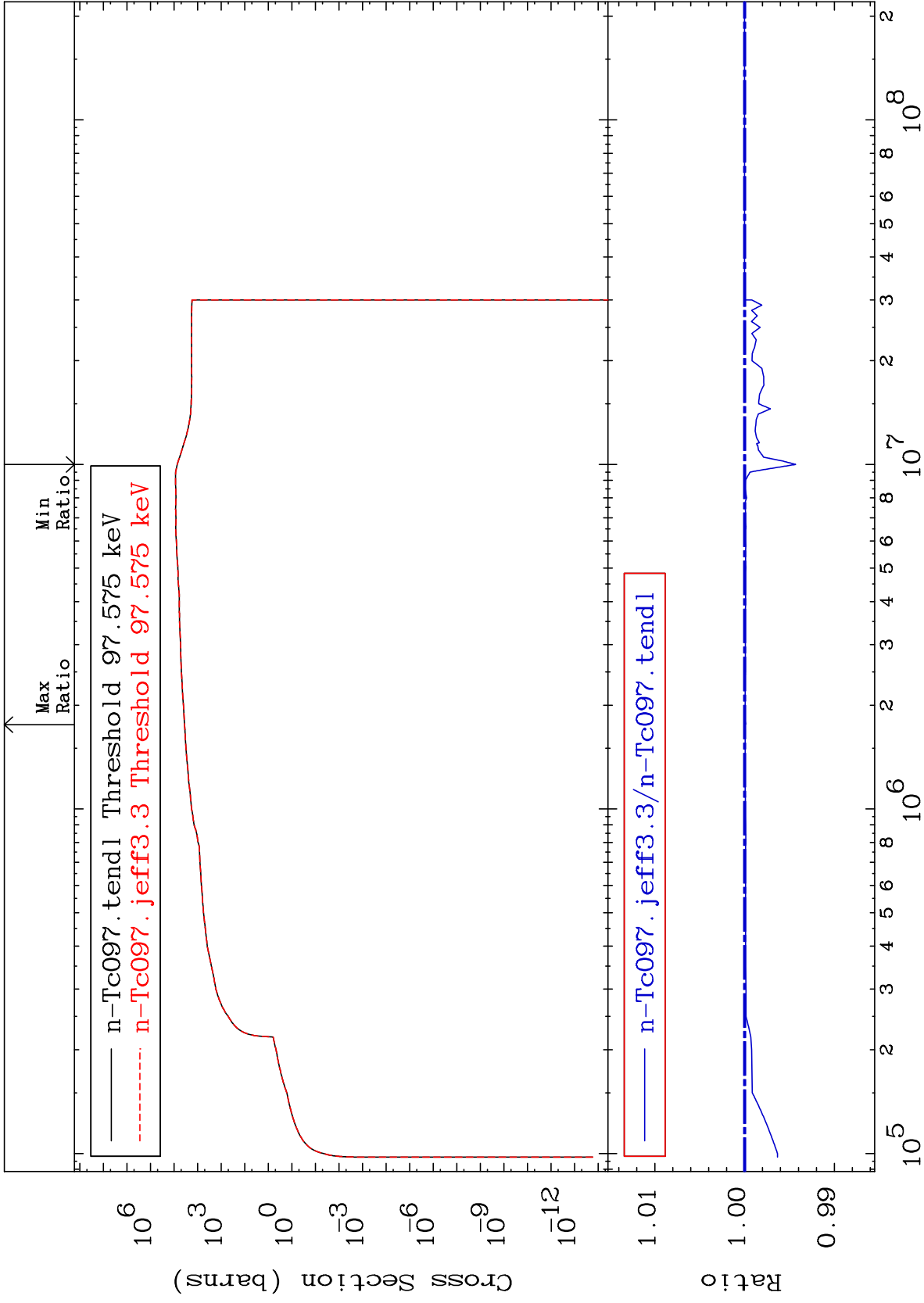
MAT 4319

Dpa inelastic (mt51-91)

43-Tc-97

Cross Section

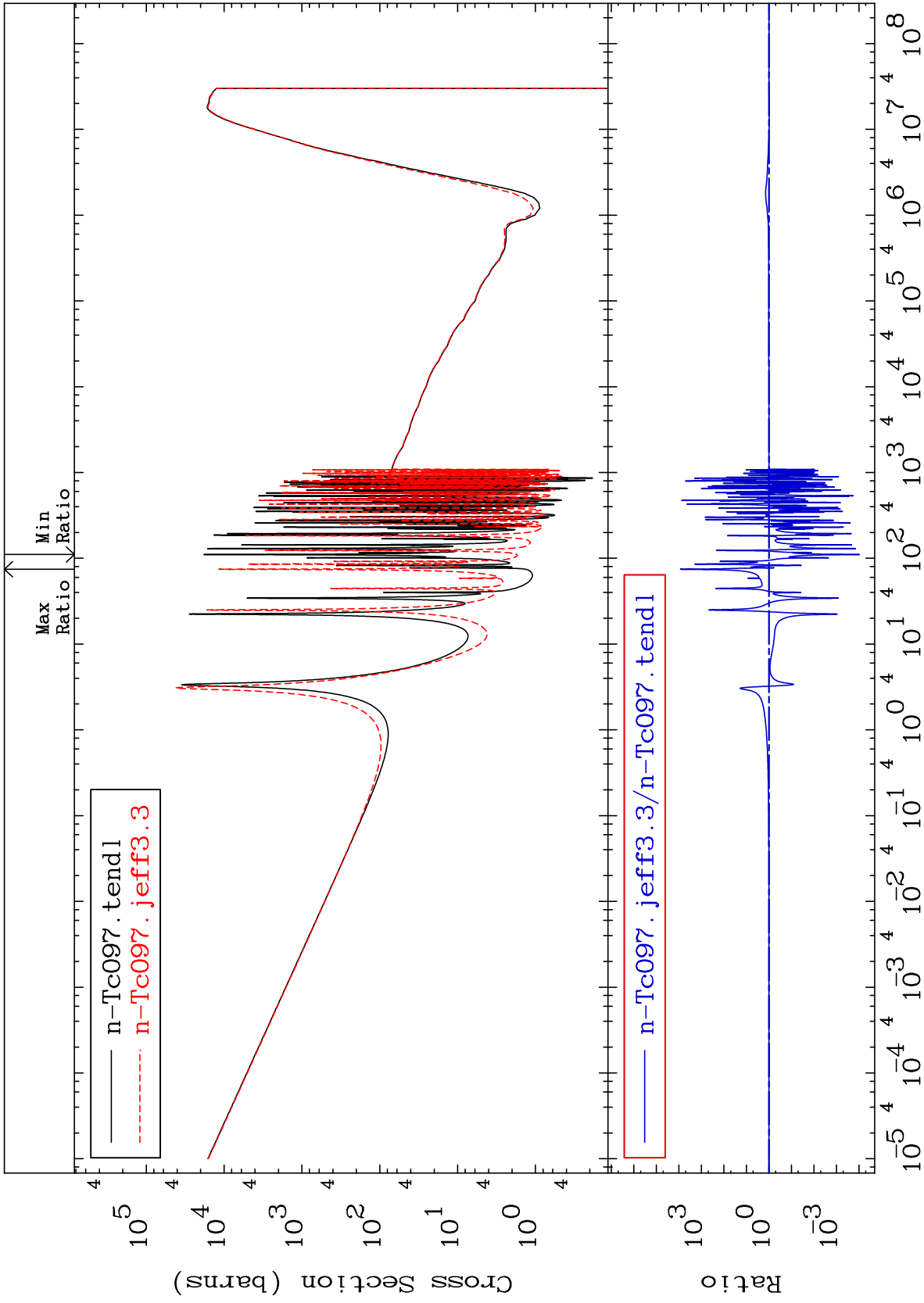
-0.569 To 0.005 %



78

Incident Energy (eV)

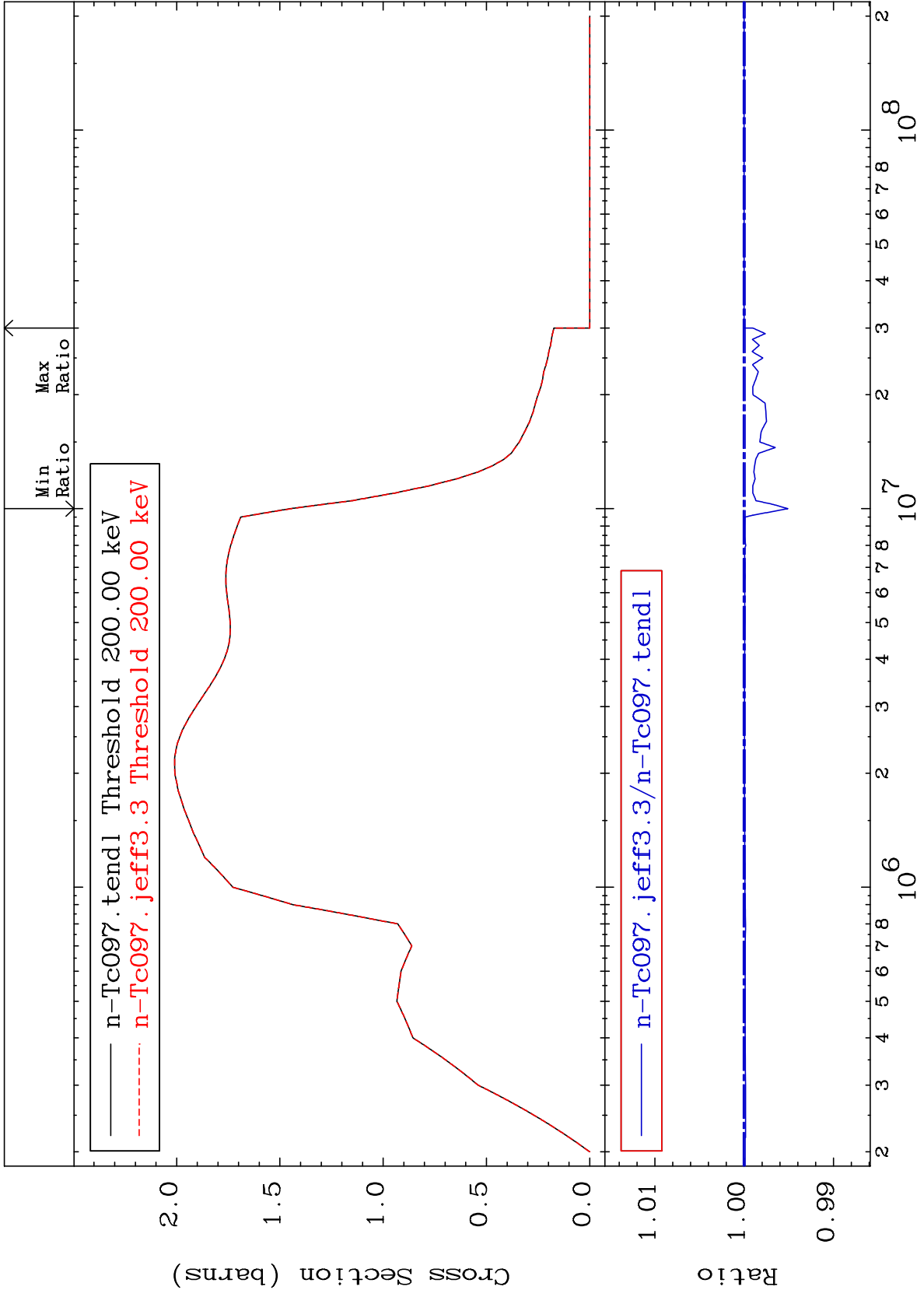
43-Tc-97



MAT 4319

43-Tc-97

Inelastic: 43-Tc-97g
Radionuclide Production Cross Section -0.489 To 0.000 %



80

Incident Energy (eV)

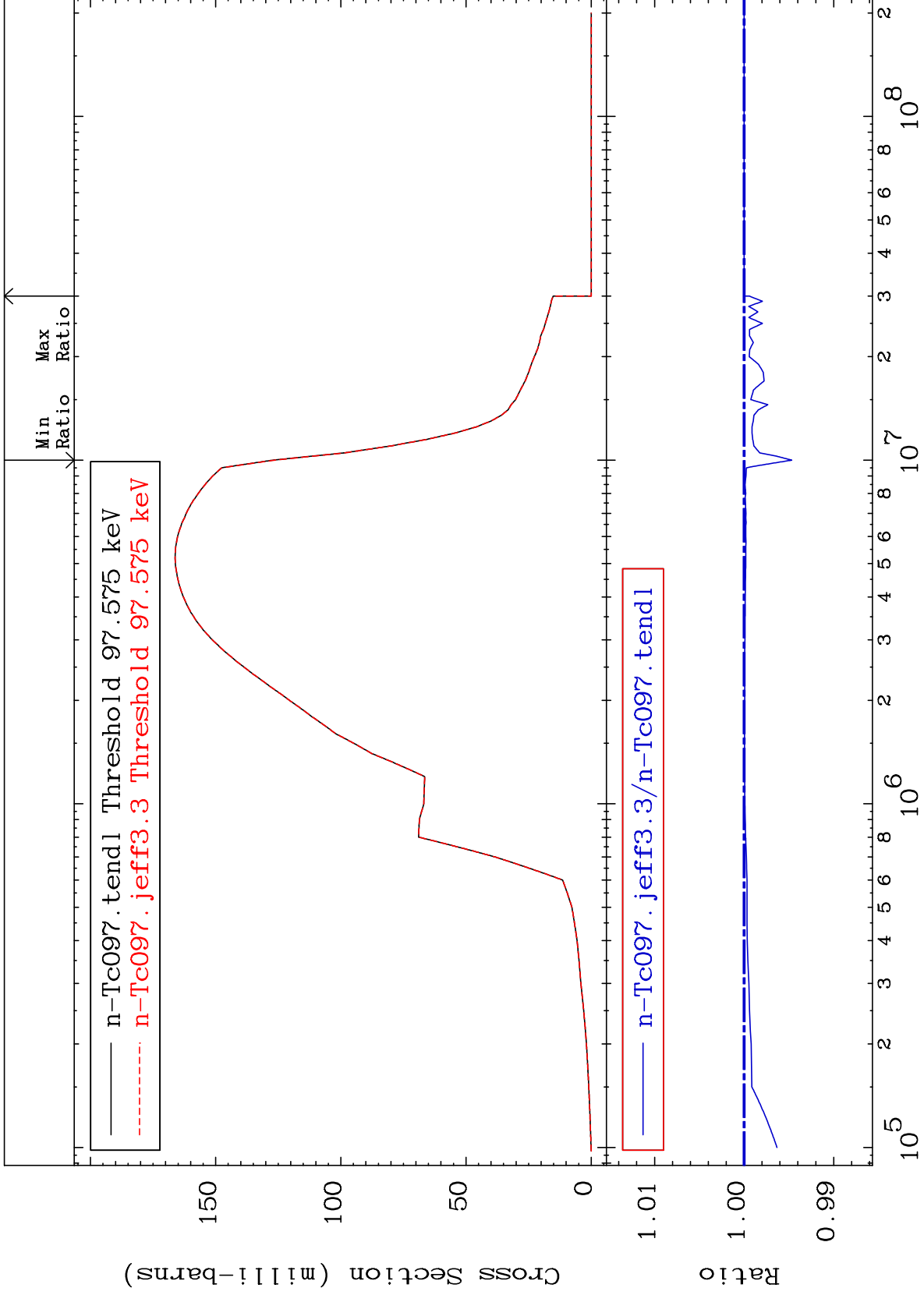
43-Tc-97

MAT 4319

Inelastic: 43-Tc-97m1

43-Tc-97

Radionuclide Production Cross Section -0.532 To 0.000 %



81

Incident Energy (eV)

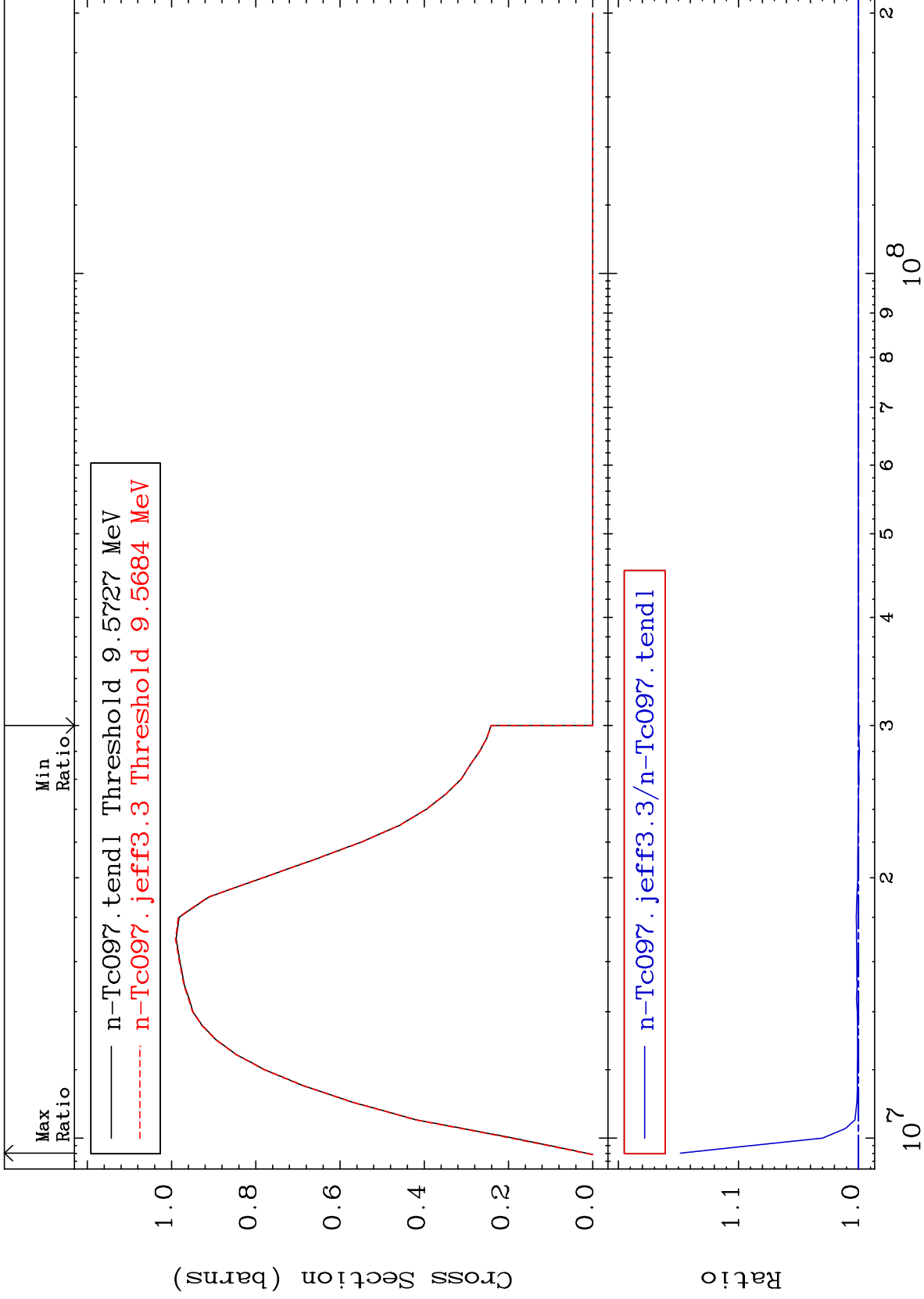
43-Tc-97

MAT 4319

(n,2n) : 43-Tc-96g

43-Tc-97

Radionuclide Production Cross Section -0.081 To 14.83 %



82

Incident Energy (eV)

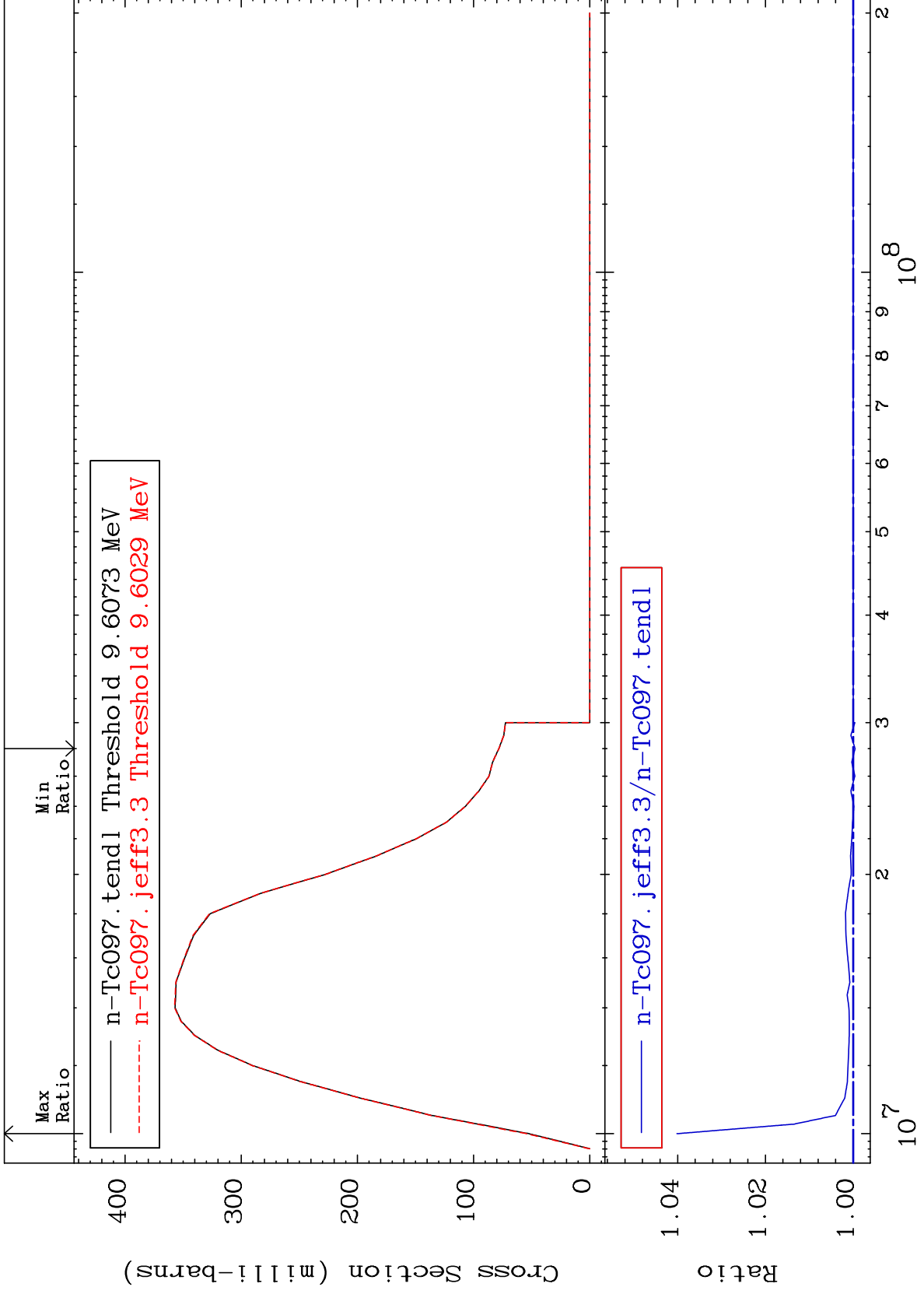
43-Tc-97

MAT 4319

(n,2n):43-Tc-96m1

43-Tc-97

Radionuclide Production Cross Section -0.043 To 4.016 %

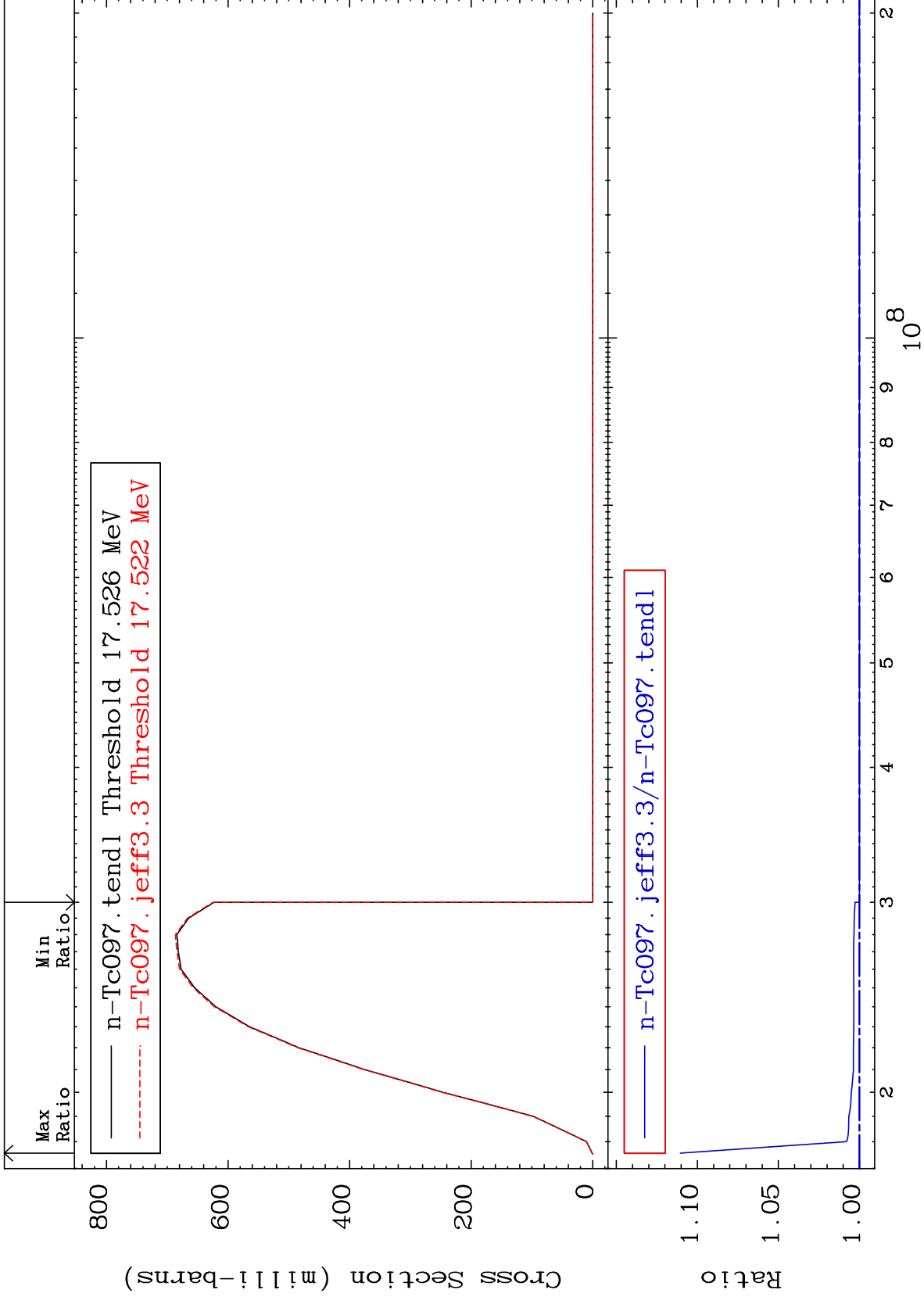


83

Incident Energy (eV)

43-Tc-97

Radionuclide Production Cross Section 0.000 To 11.05 %

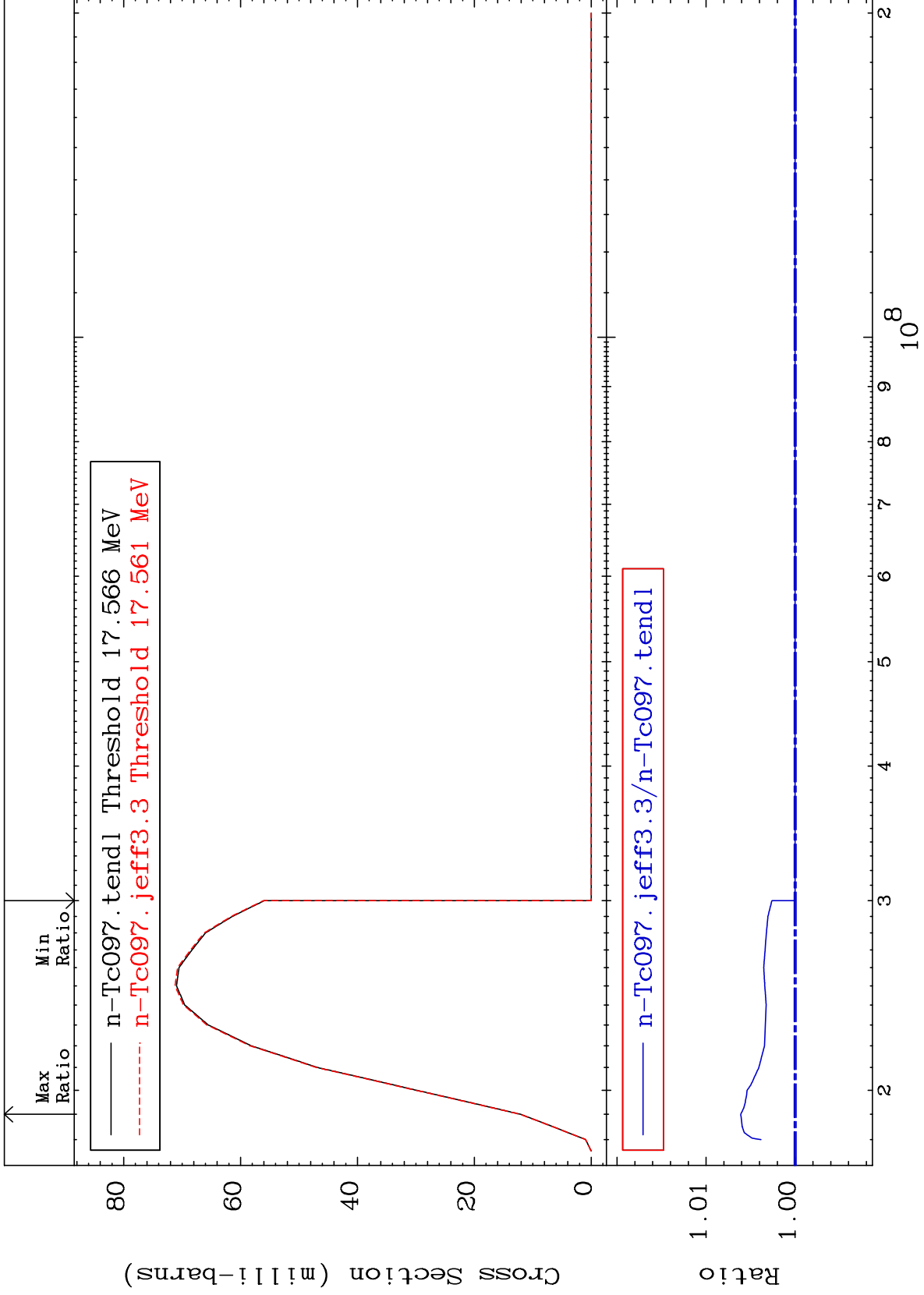


MAT 4319

(n,3n):43-Tc-95m1

43-Tc-97

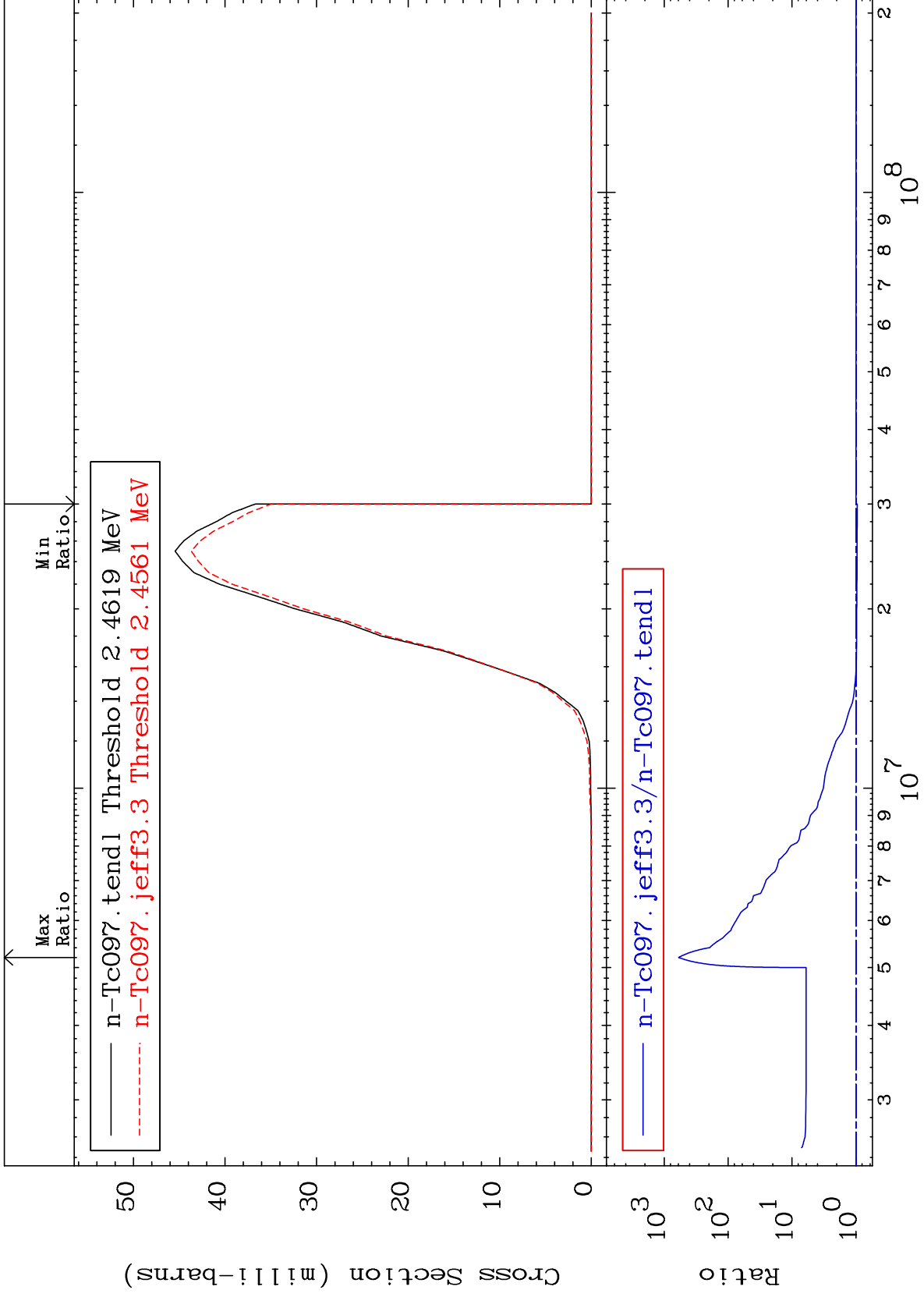
Radionuclide Production Cross Section 0.000 To 0.611 %



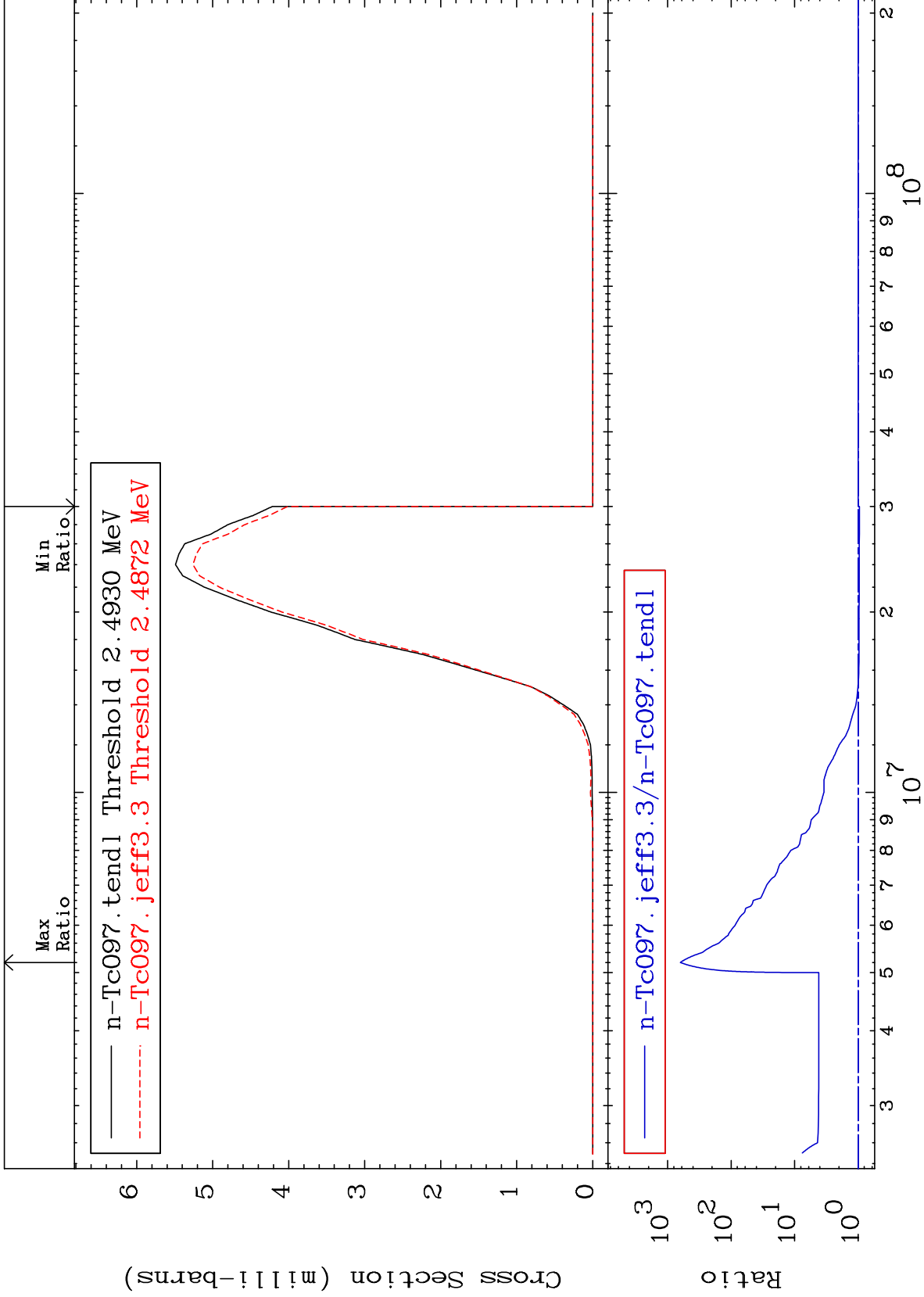
85

Incident Energy (eV)

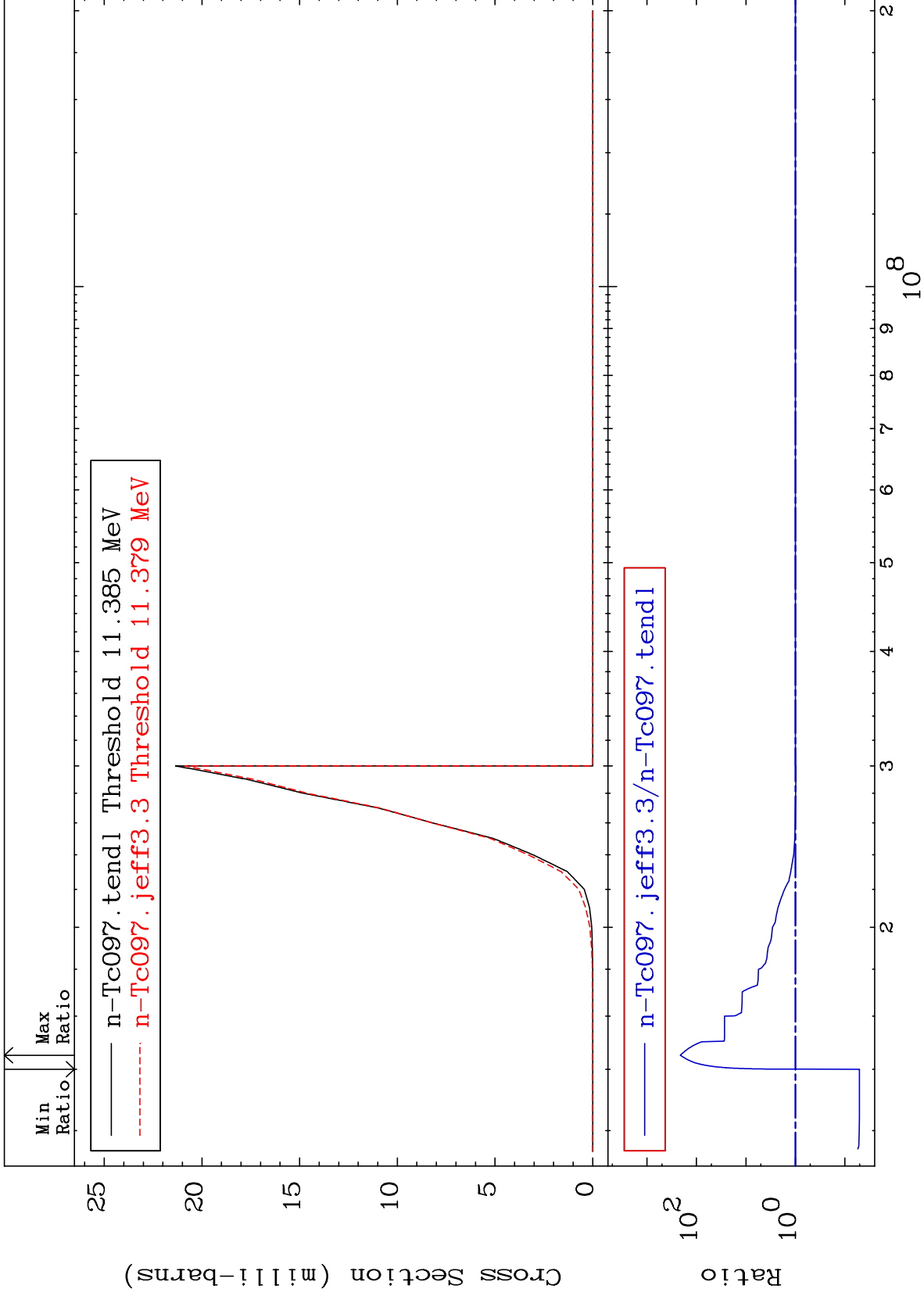
43-Tc-97



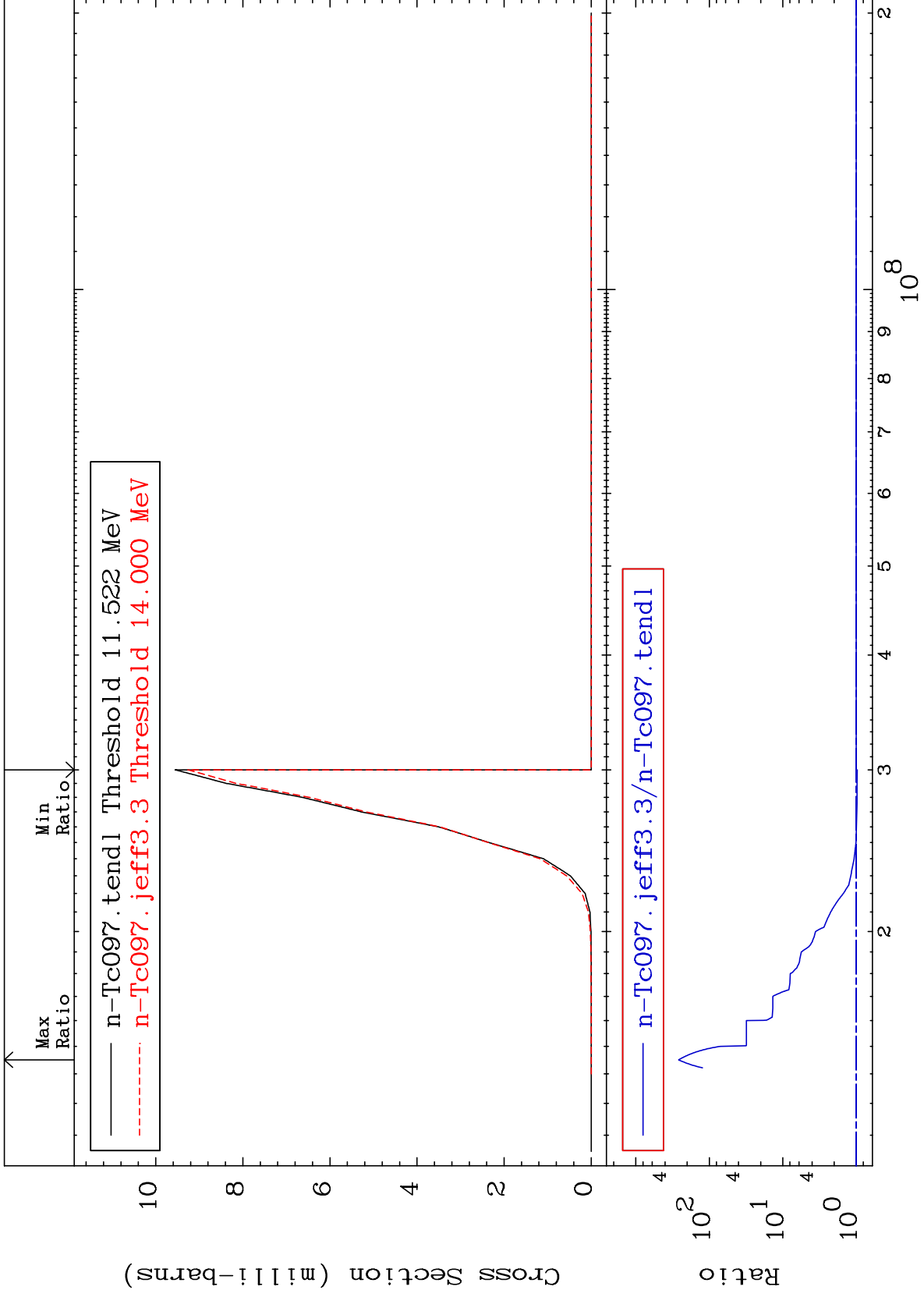
Radionuclide Production Cross Section -4.761 To 9999. %



Radionuclide Production Cross Section -94.93 To 9999. %



Radionuclide Production Cross Section -3.057 To 9999. %

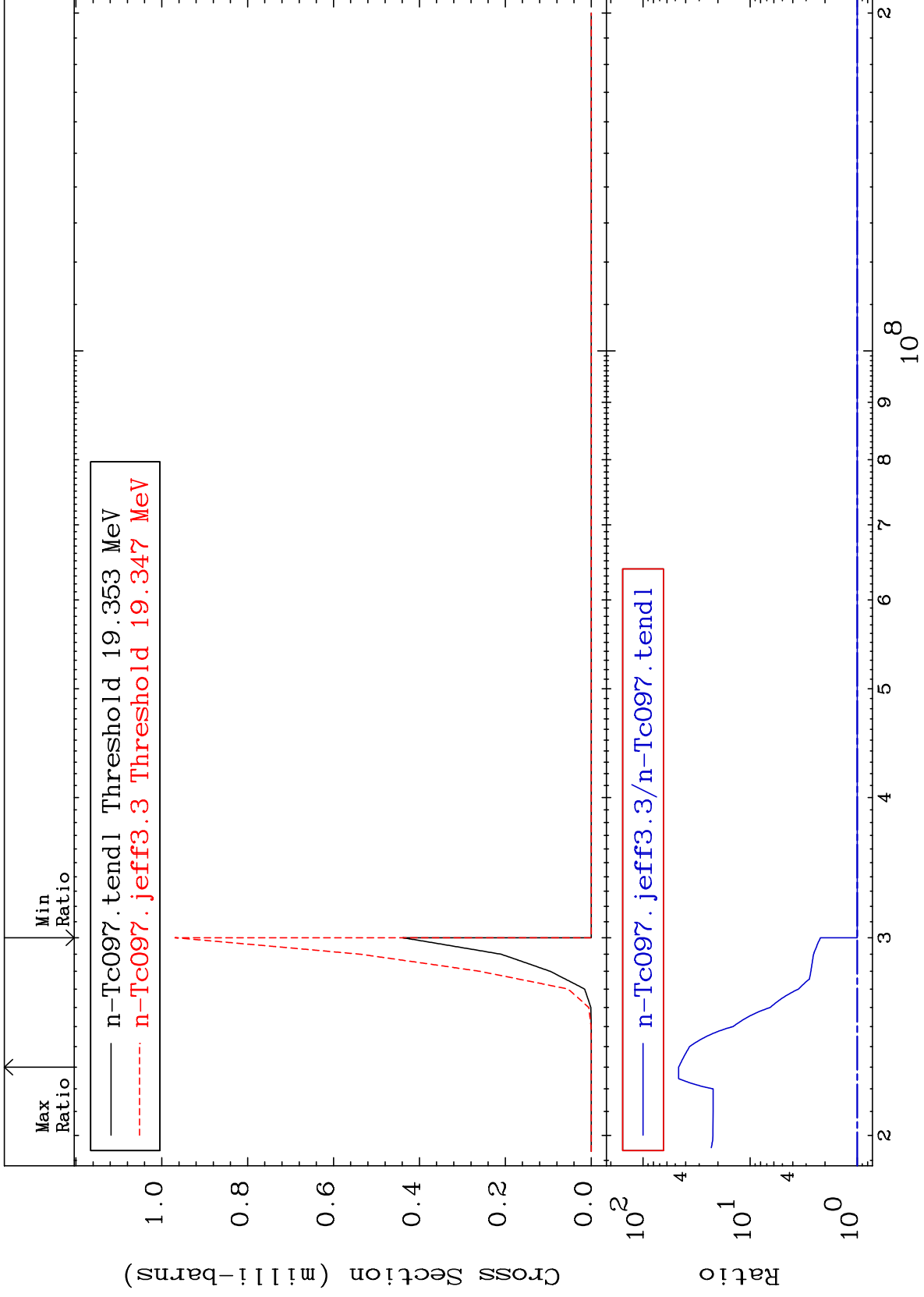


MAT 4319

(n,3n) α :41-Nb-91g

43-Tc-97

Radionuclide Production Cross Section 0.000 To 4557. %



90

Incident Energy (eV)

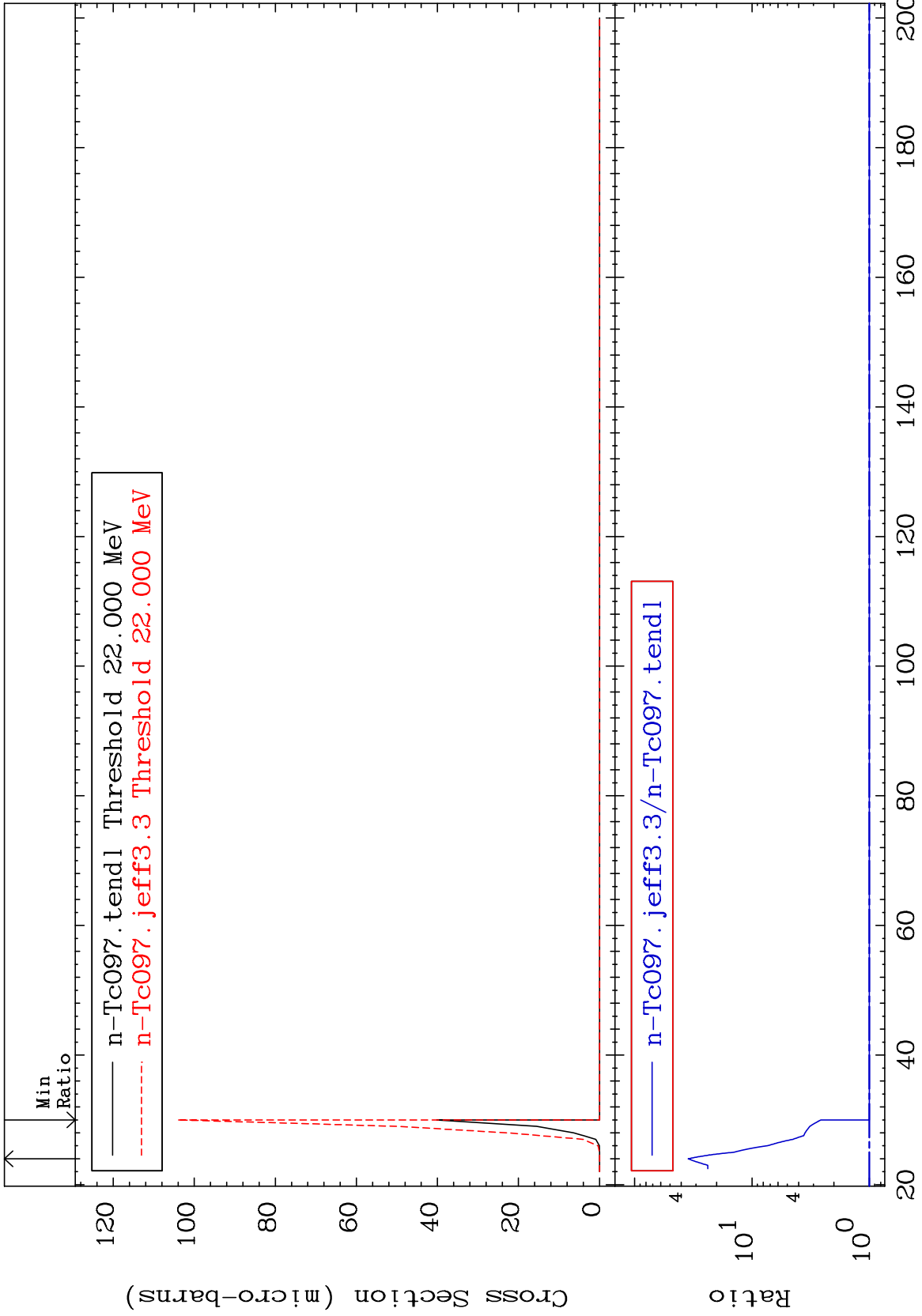
43-Tc-97

MAT 4319

(n,3n) α :41-Nb-91m1

43-Tc-97

Radionuclide Production Cross Section 0.000 To 3393. %



91

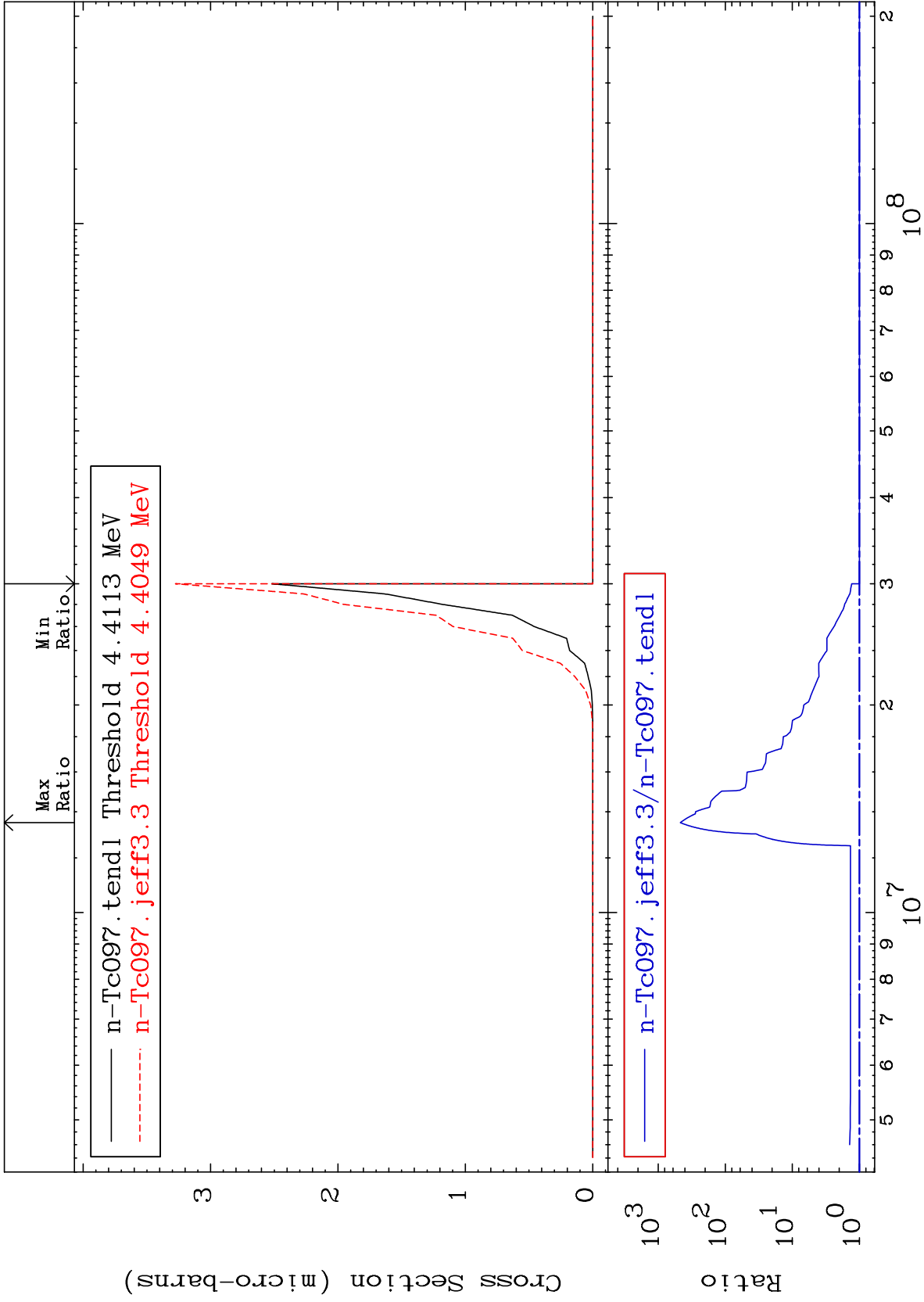
Incident Energy (MeV)

43-Tc-97

MAT 4319

(n, n') 2α :39-Y -89g
Radionuclide Production Cross Section 0.000 To 9999. %

43-Tc-97

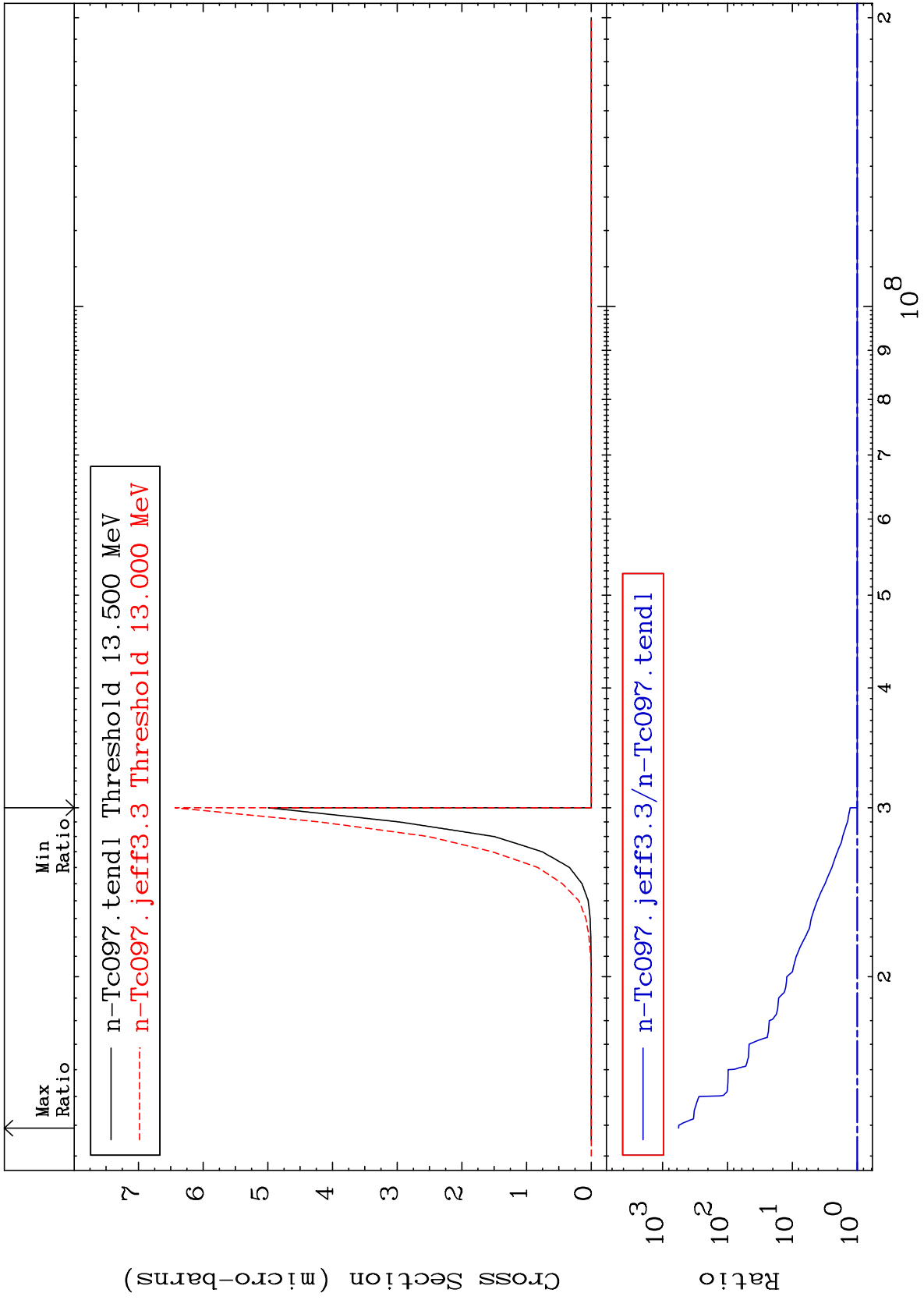


MAT 4319

(n, n') 2α:39-Y -89m1

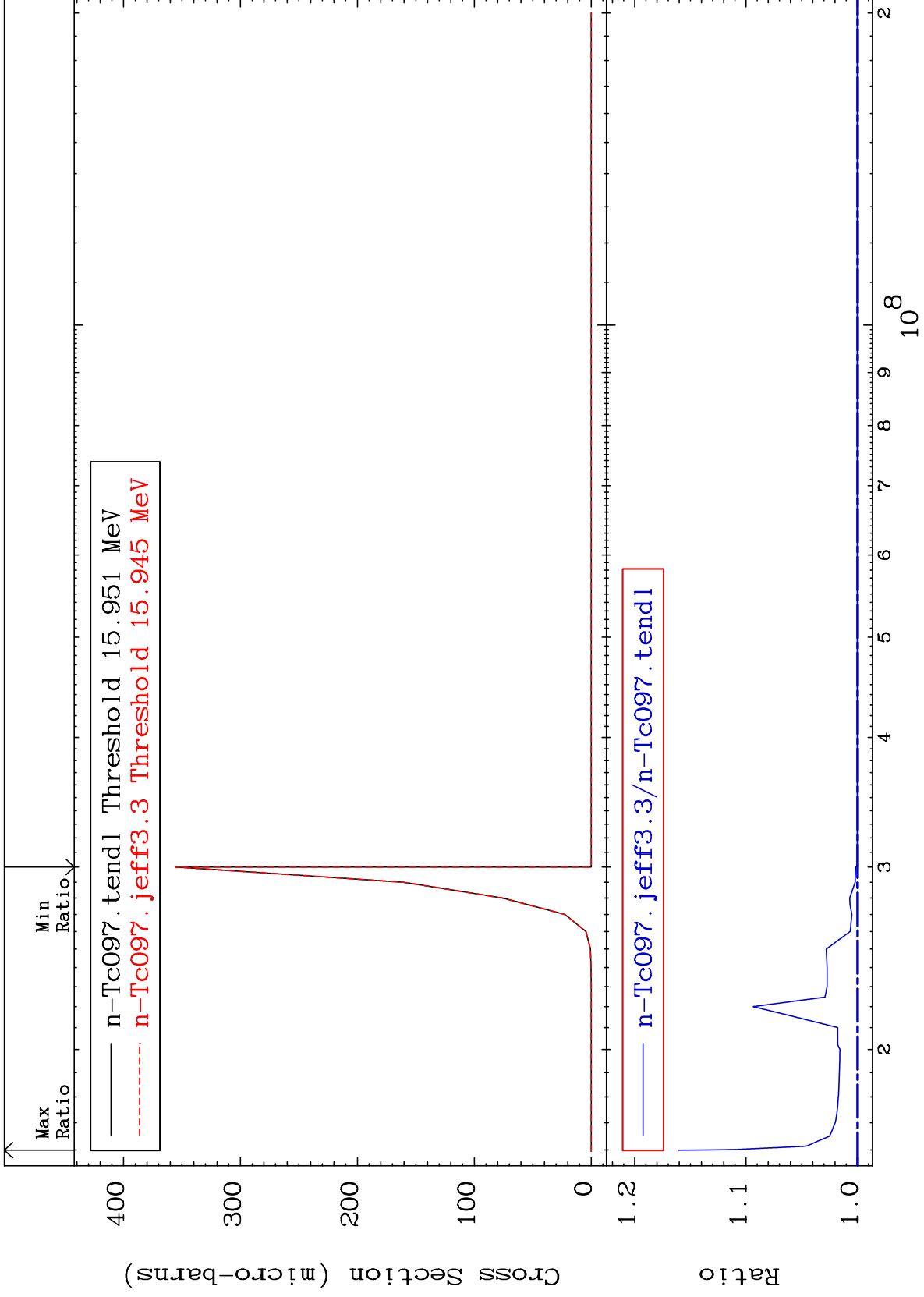
43-Tc-97

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 4319

(n, n') He-3:41-Nb-94g 43-Tc-97
Radionuclide Production Cross Section 0.000 To 16.06 %



94

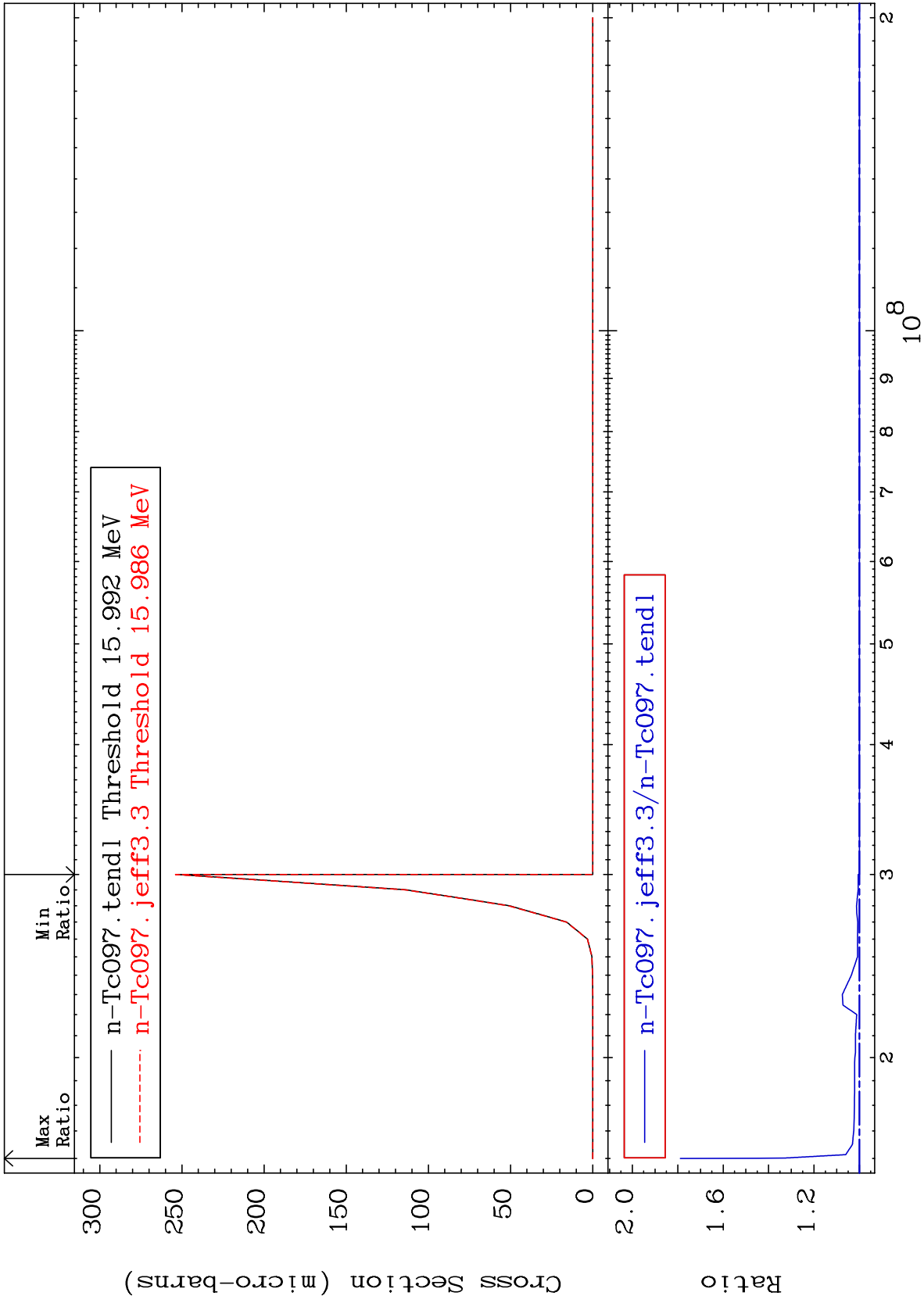
43-Tc-97

MAT 4319

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

43-Tc-97

Radionuclide Production Cross Section 0.000 To 78.85 %



95

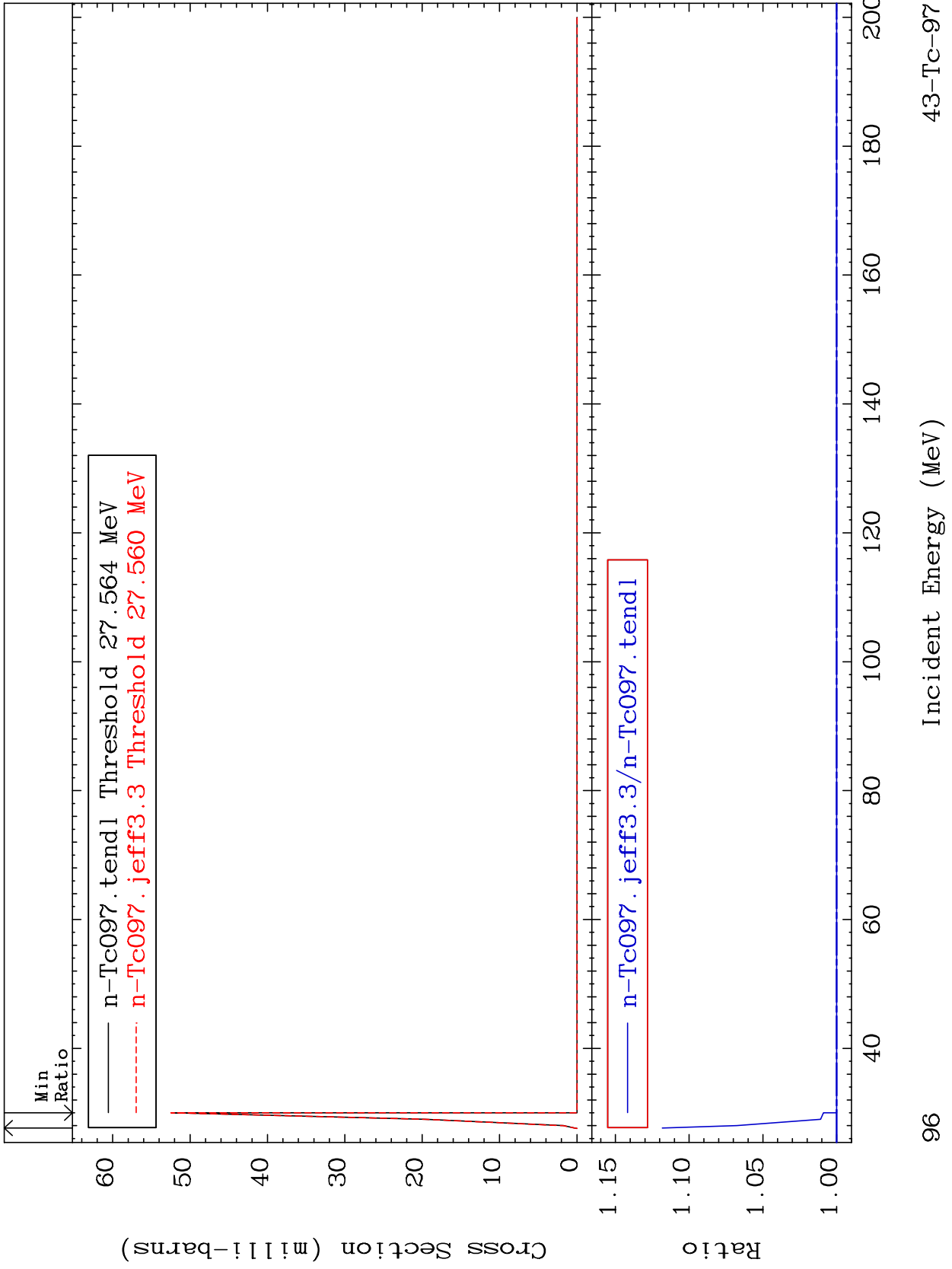
43-Tc-97

MAT 4319

(n, 4n) : 43-Tc-94g

43-Tc-97

Radionuclide Production Cross Section 0.000 To 11.82 %

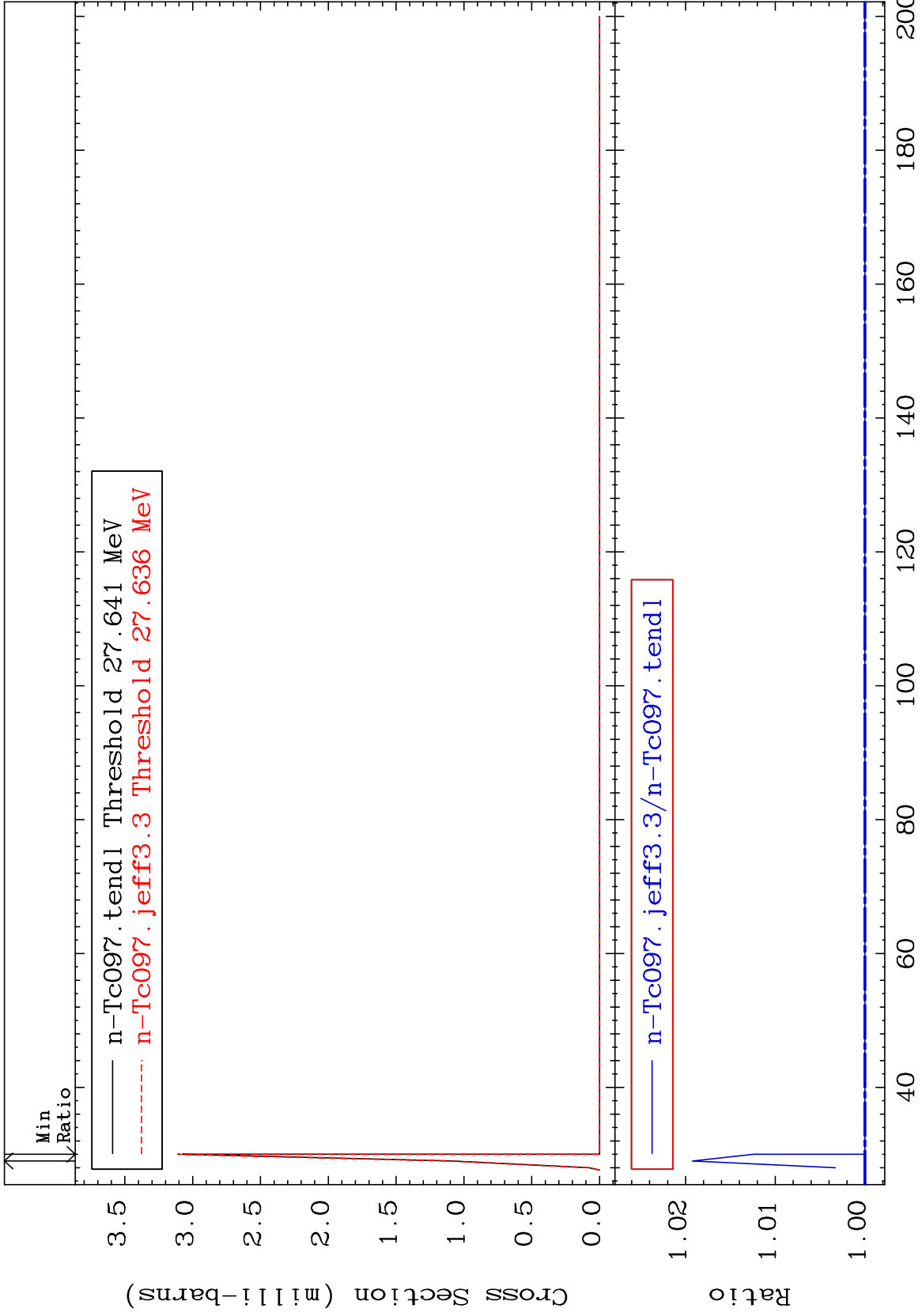


MAT 4319

(n, 4n) : 43-Tc-94m1

43-Tc-97

Radionuclide Production Cross Section 0.000 To 1.921 %

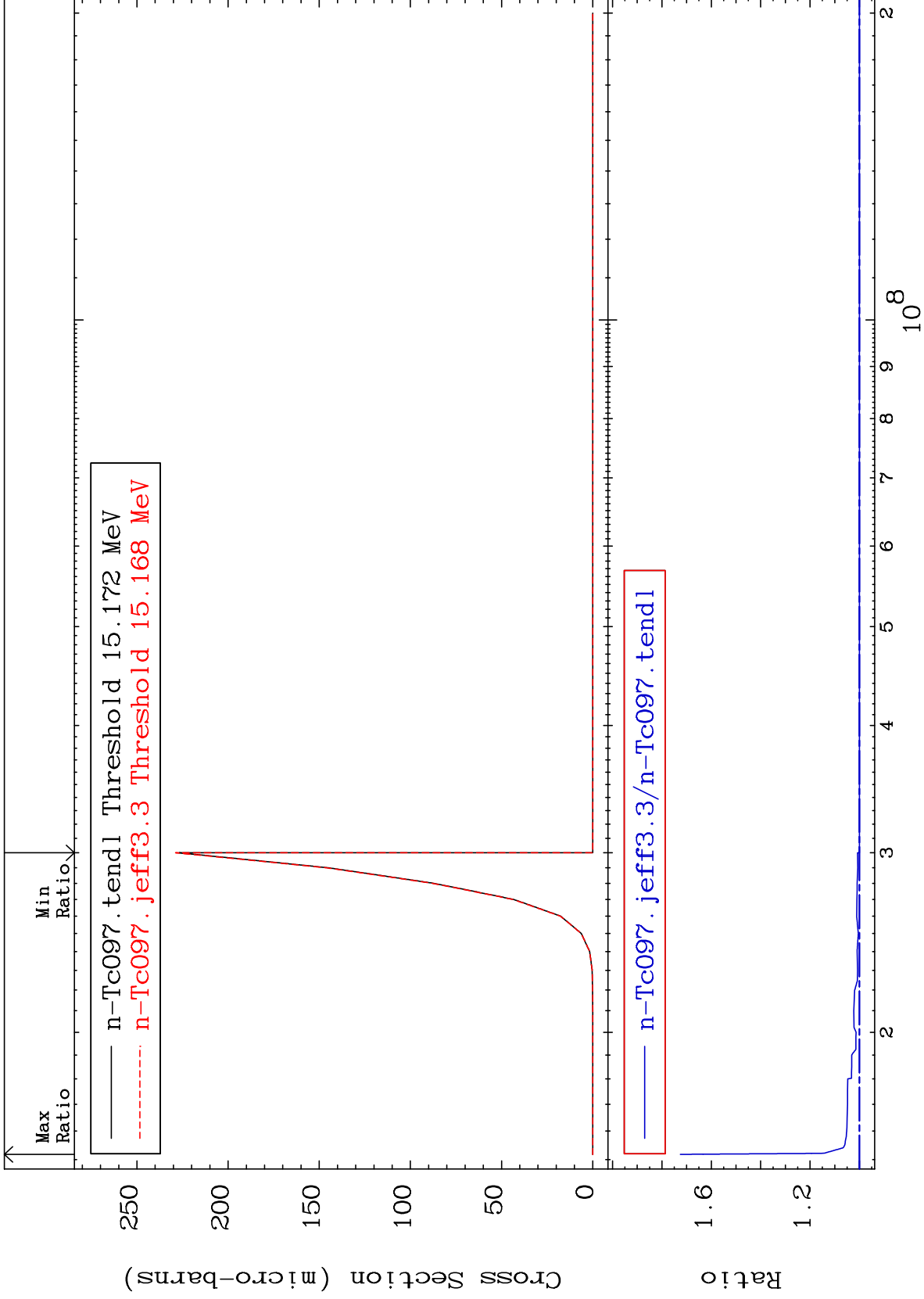


97

Incident Energy (MeV)

43-Tc-97

Radionuclide Production Cross Section 0.000 To 72.53 %

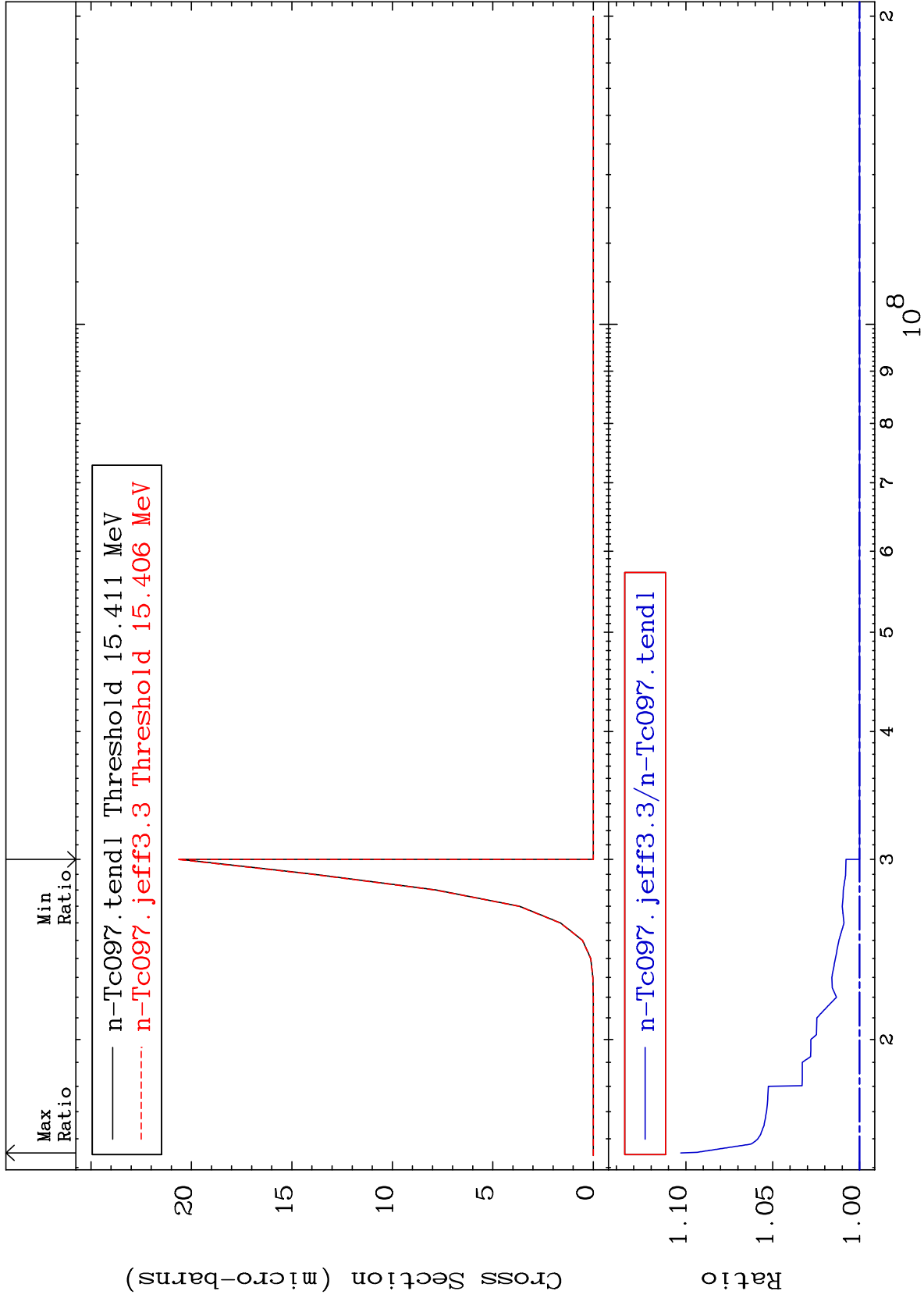


MAT 4319

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

43-Tc-97

Radionuclide Production Cross Section 0.000 To 10.29 %

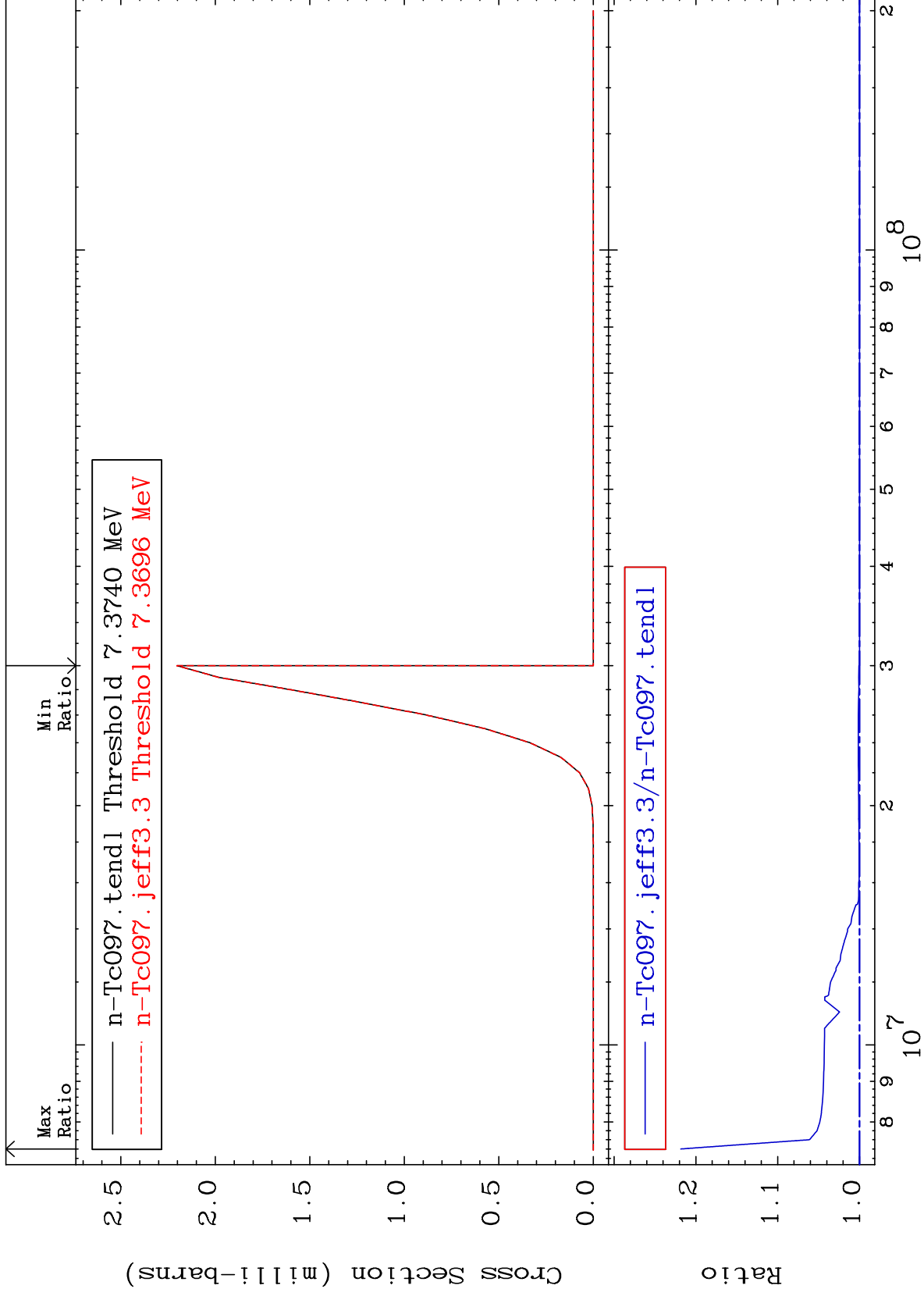


MAT 4319

(n,He-3):41-Nb-95g

43-Tc-97

Radionuclide Production Cross Section 0.000 To 21.84 %



100

Incident Energy (eV)

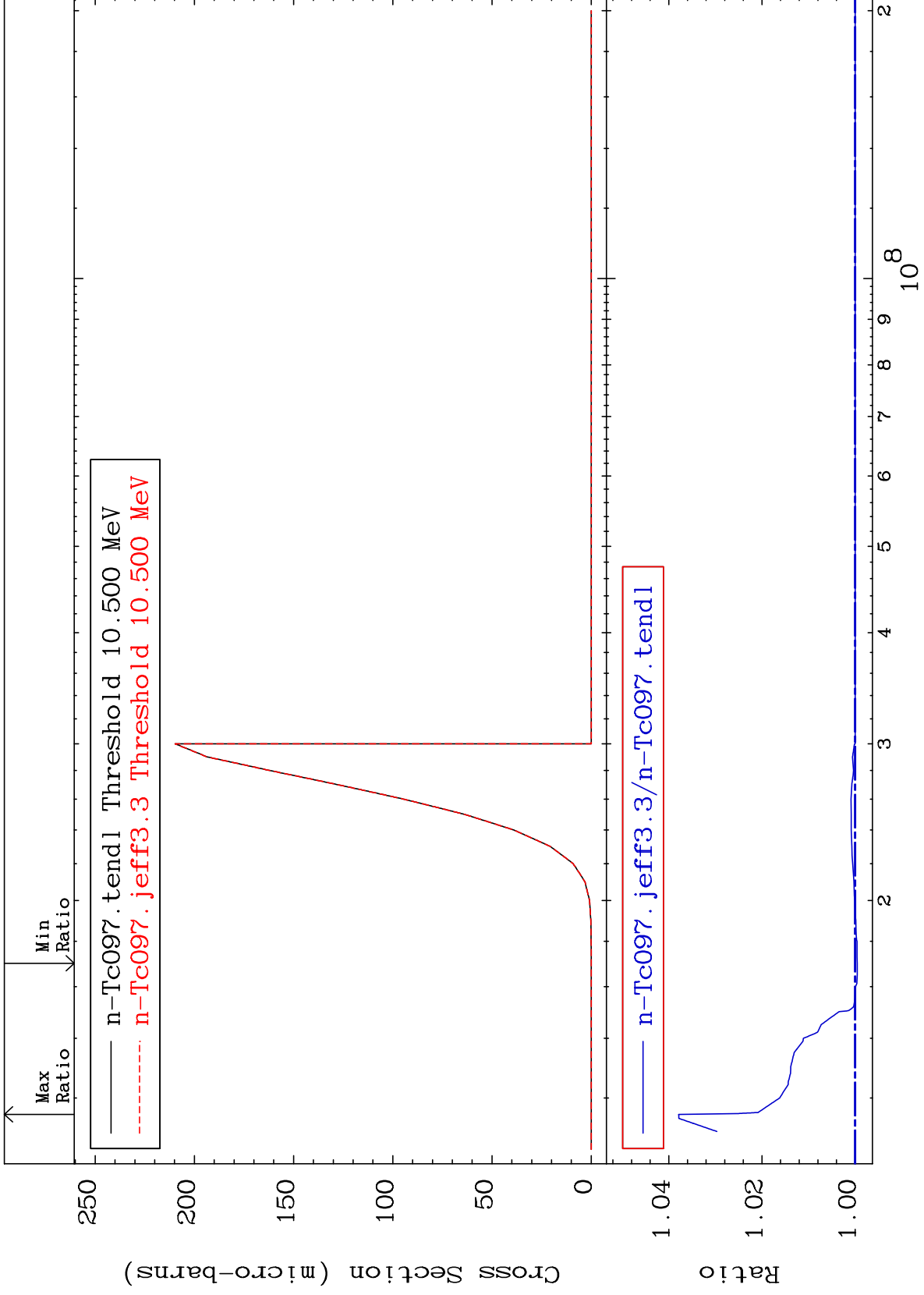
43-Tc-97

MAT 4319

(n,He-3):41-Nb-95m1

43-Tc-97

Radionuclide Production Cross Section -0.046 To 3.789 %



101

Incident Energy (eV)

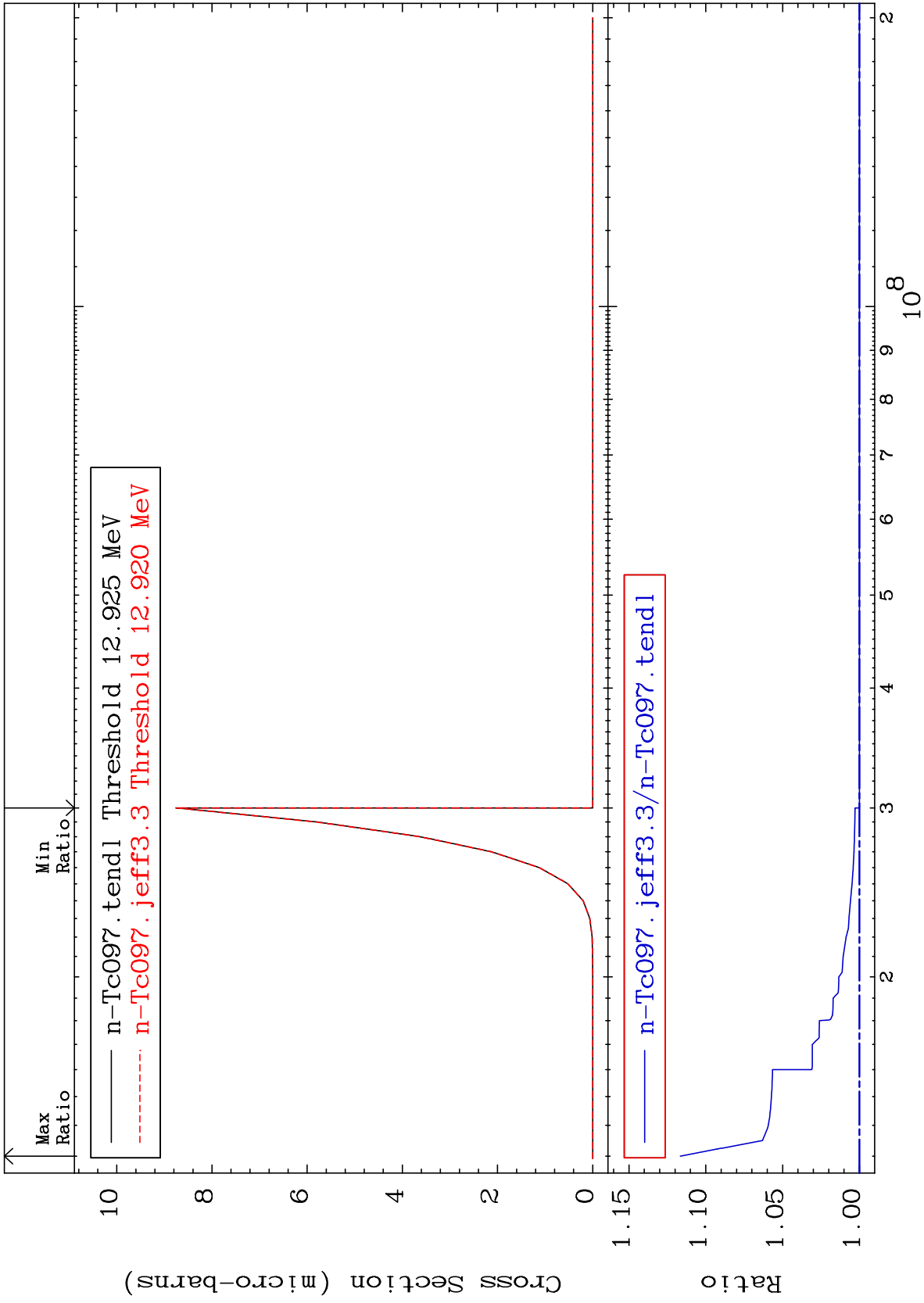
43-Tc-97

MAT 4319

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

43-Tc-97

Radionuclide Production Cross Section 0.000 To 11.65 %



102

Incident Energy (eV)

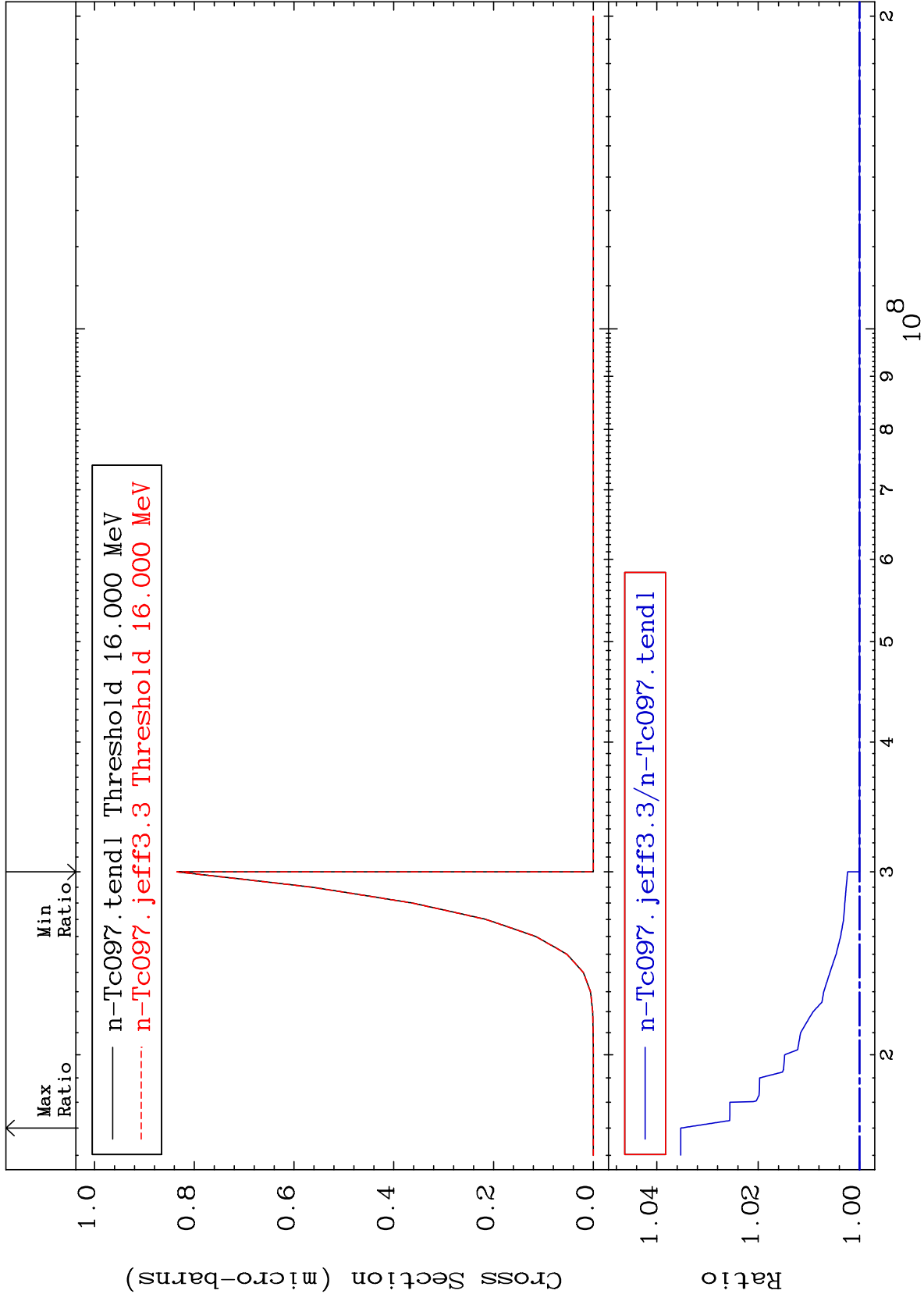
43-Tc-97

MAT 4319

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

43-Tc-97

Radionuclide Production Cross Section 0.000 To 3.528 %



103

Incident Energy (eV)

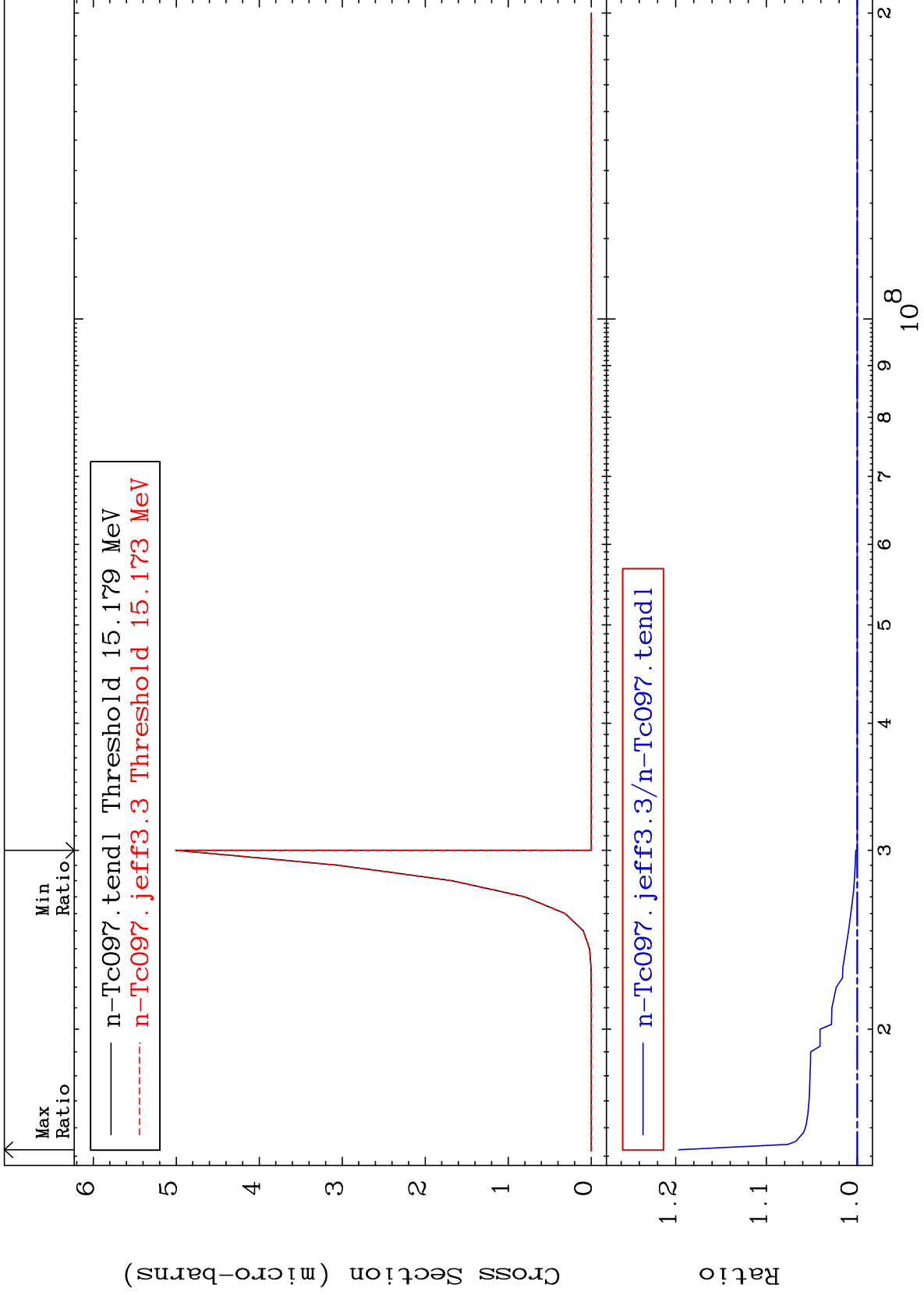
43-Tc-97

MAT 4319

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

43-Tc-97

Radionuclide Production Cross Section 0.000 To 19.67 %



104

Incident Energy (eV)

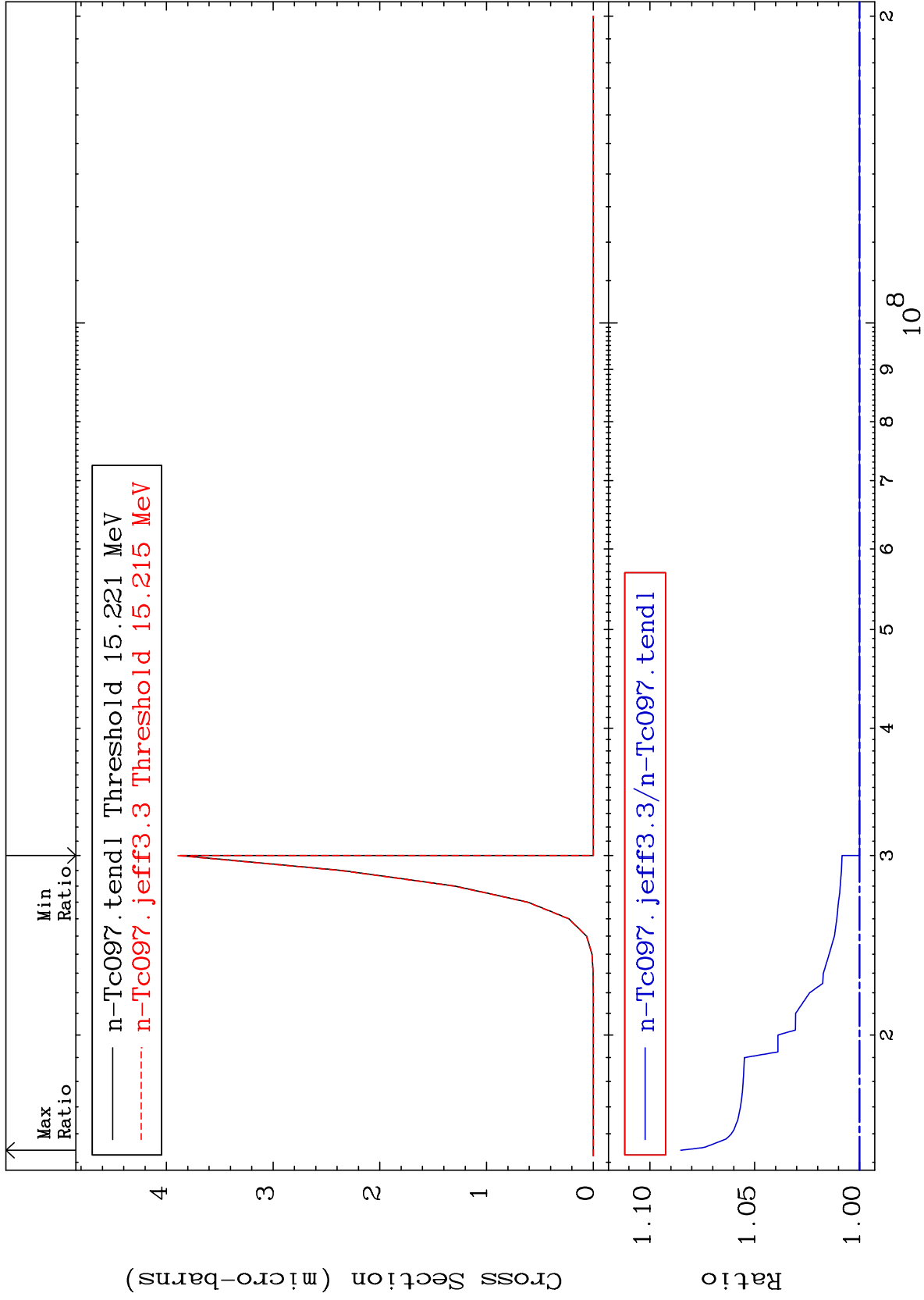
43-Tc-97

MAT 4319

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

43-Tc-97

Radionuclide Production Cross Section 0.000 To 8.526 %



105

43-Tc-97

43-Tc-97