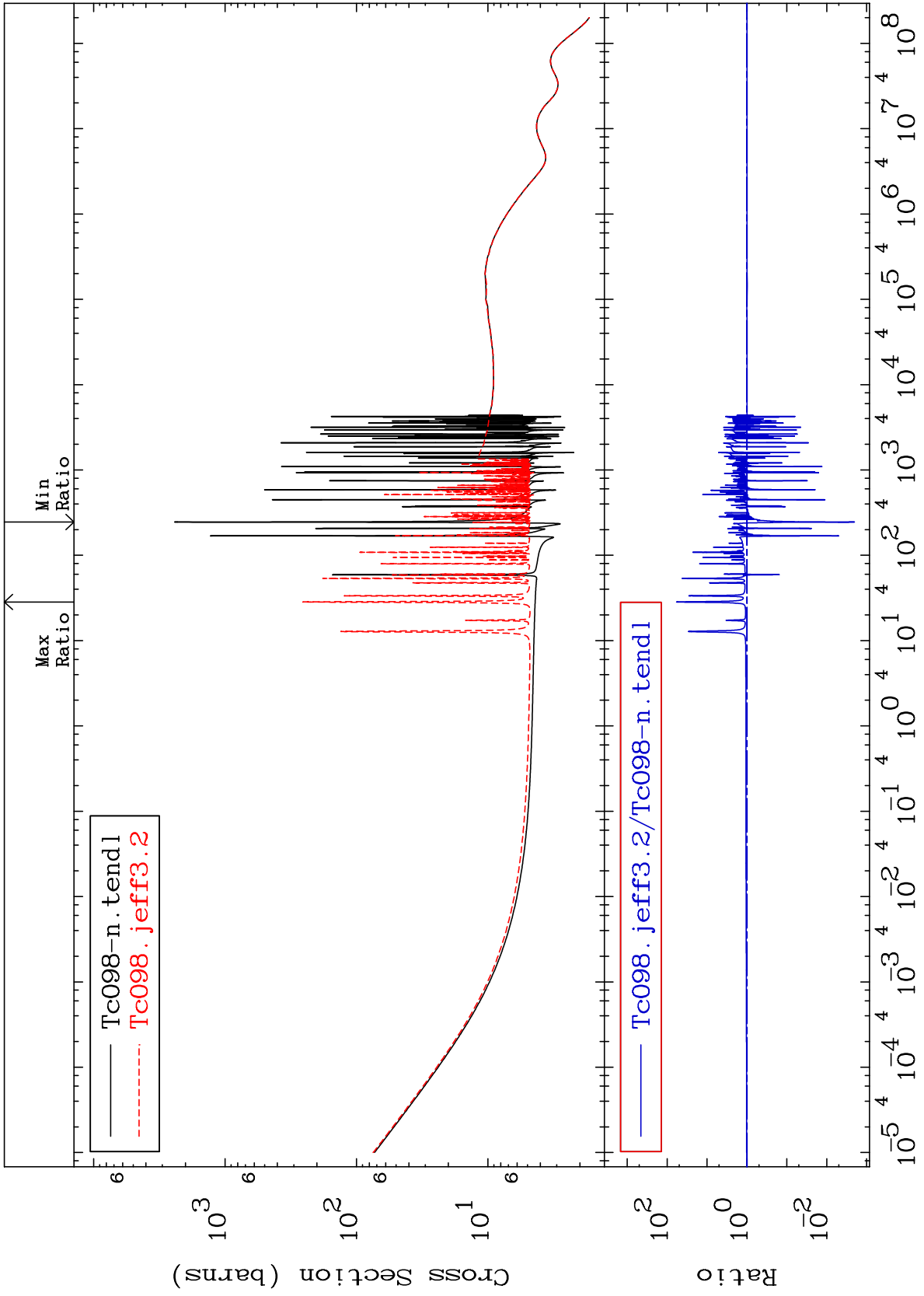


MAT 4322

Total
Cross Section

43-Tc-98
-99.80 To 5776. %

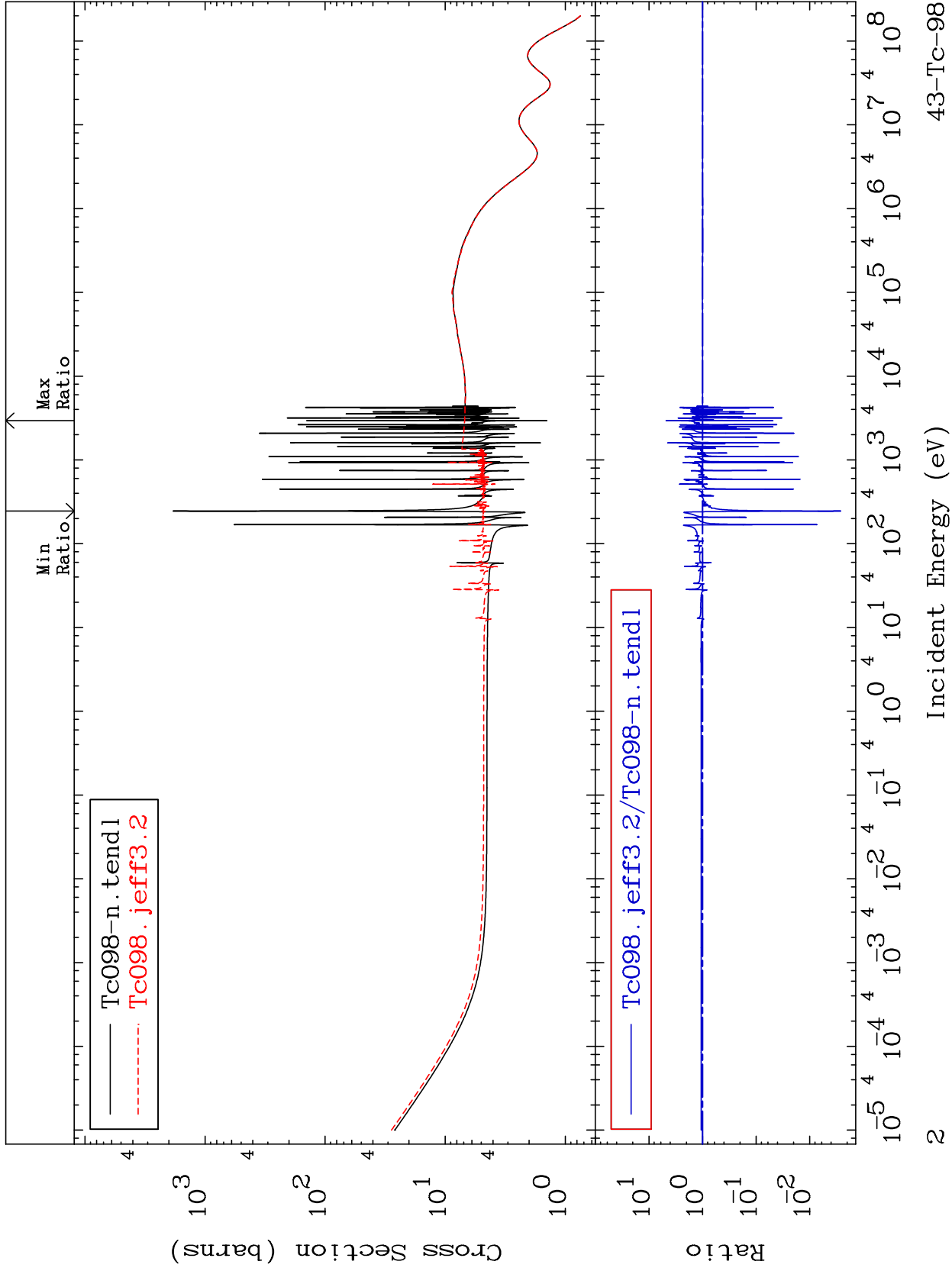


Incident Energy (eV) 43-Tc-98

MAT 4322

Elastic
Cross Section

43-Tc-98
-99.74 To 381.2 %



43-Tc-98

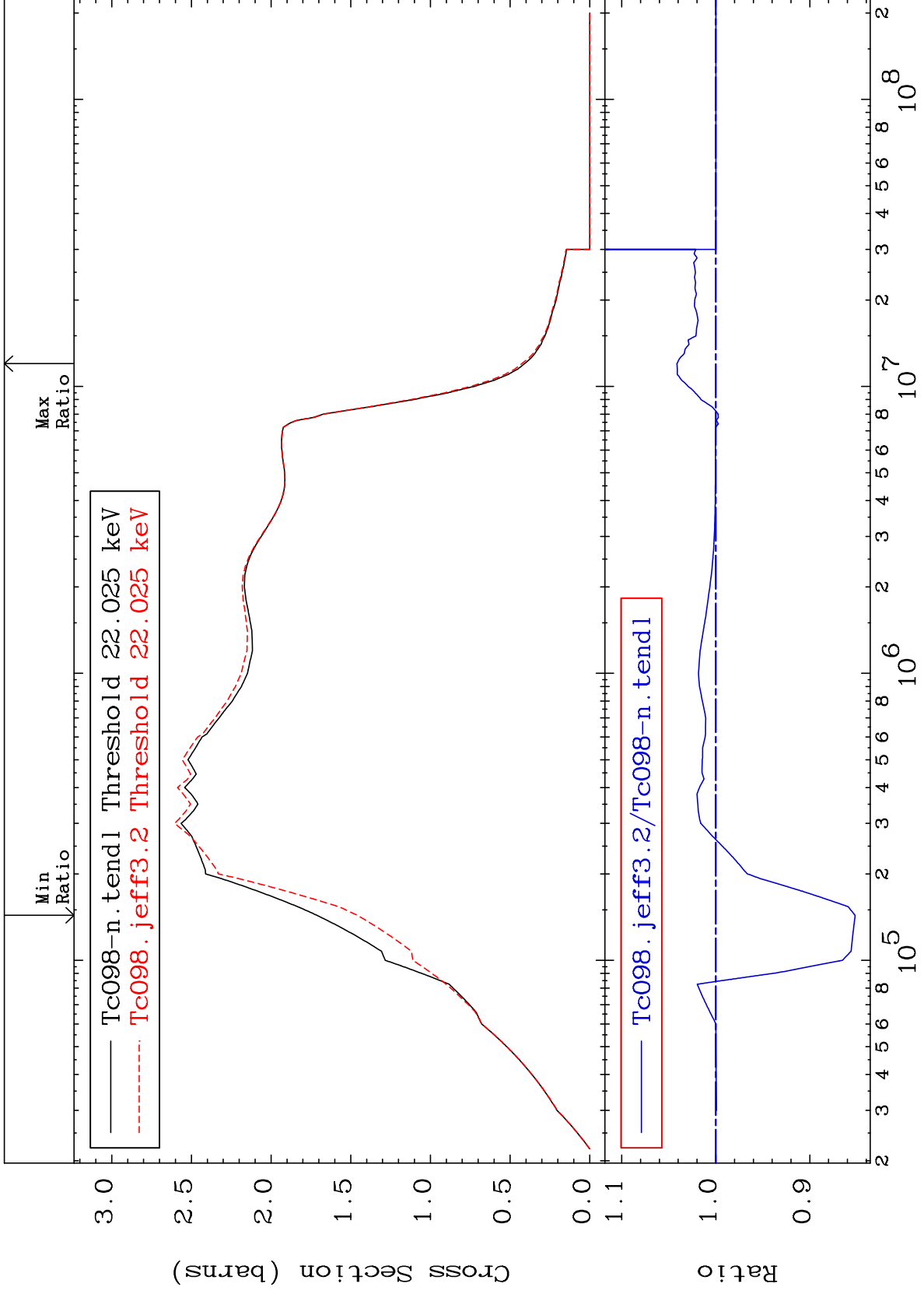
Incident Energy (eV)

2

MAT 4322

Inelastic
Cross Section

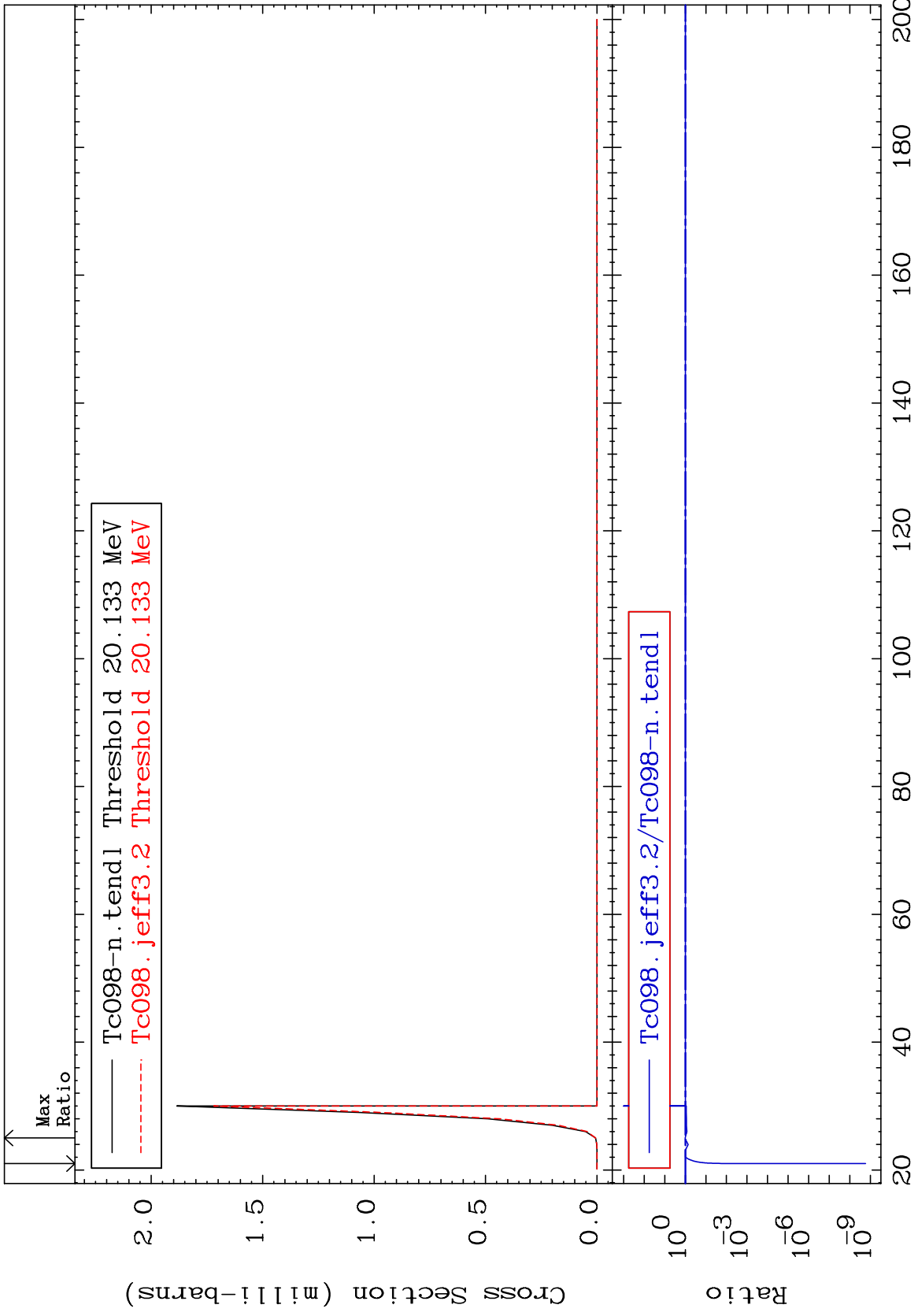
43-Tc-98
-14.82 To 4.133 %



MAT 4322

(n,2n) d
Cross Section

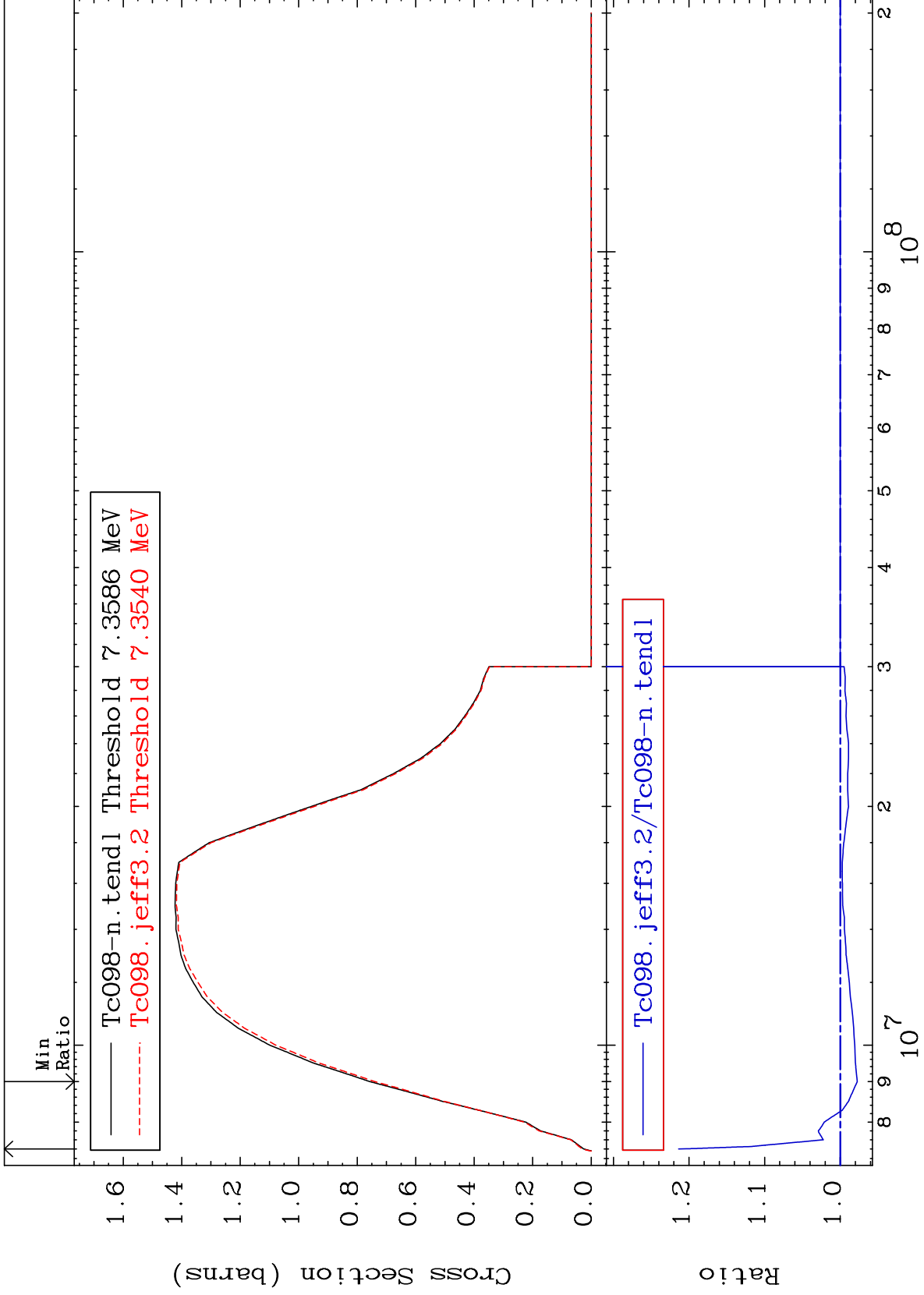
43-Tc-98
-100.0 To 0.958 %



MAT 4322

(n,2n)
Cross Section

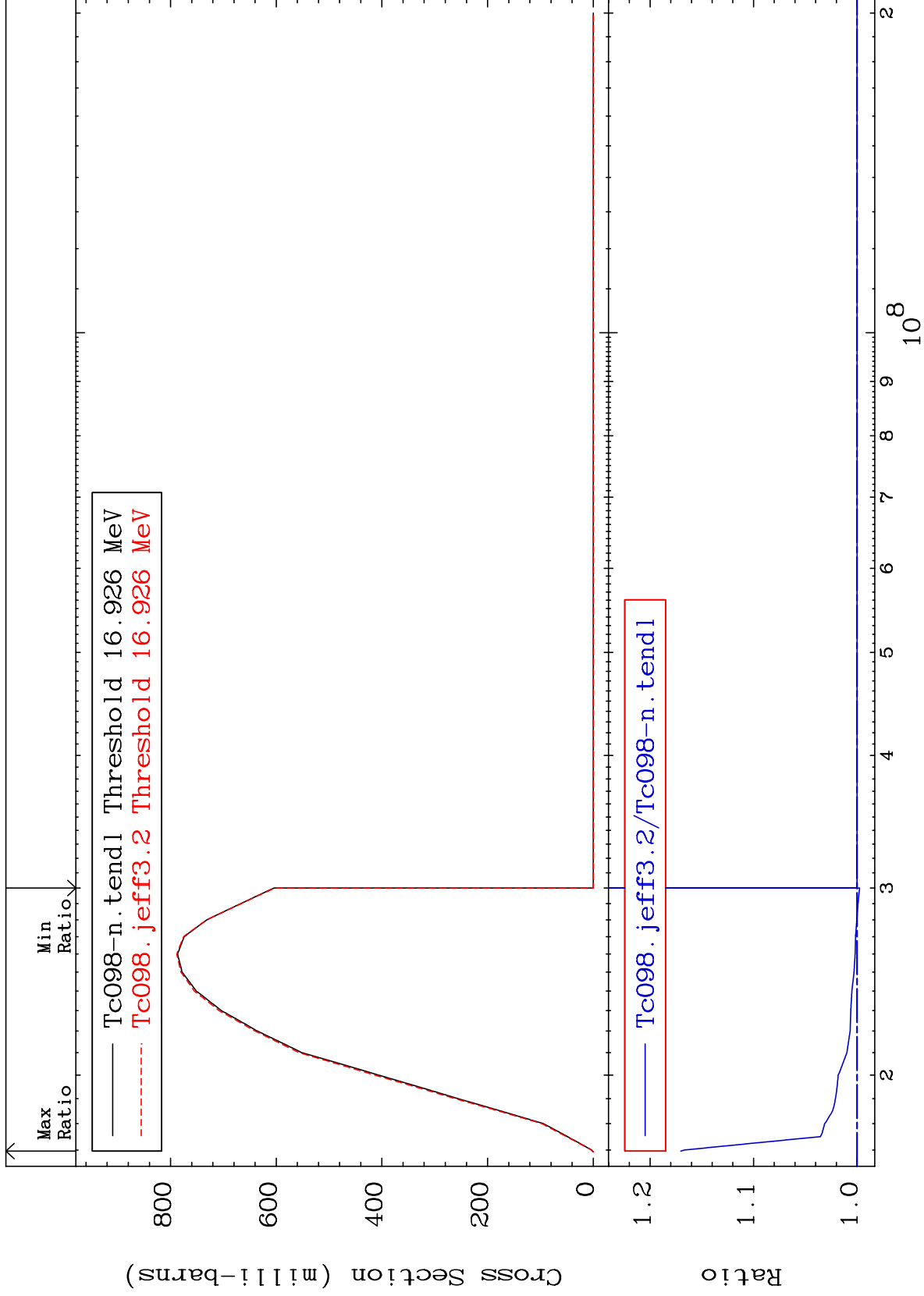
43-Tc-98
-2.246 To 21.37 %



MAT 4322

(n,3n)
Cross Section

43-Tc-98
-0.239 To 17.03 %

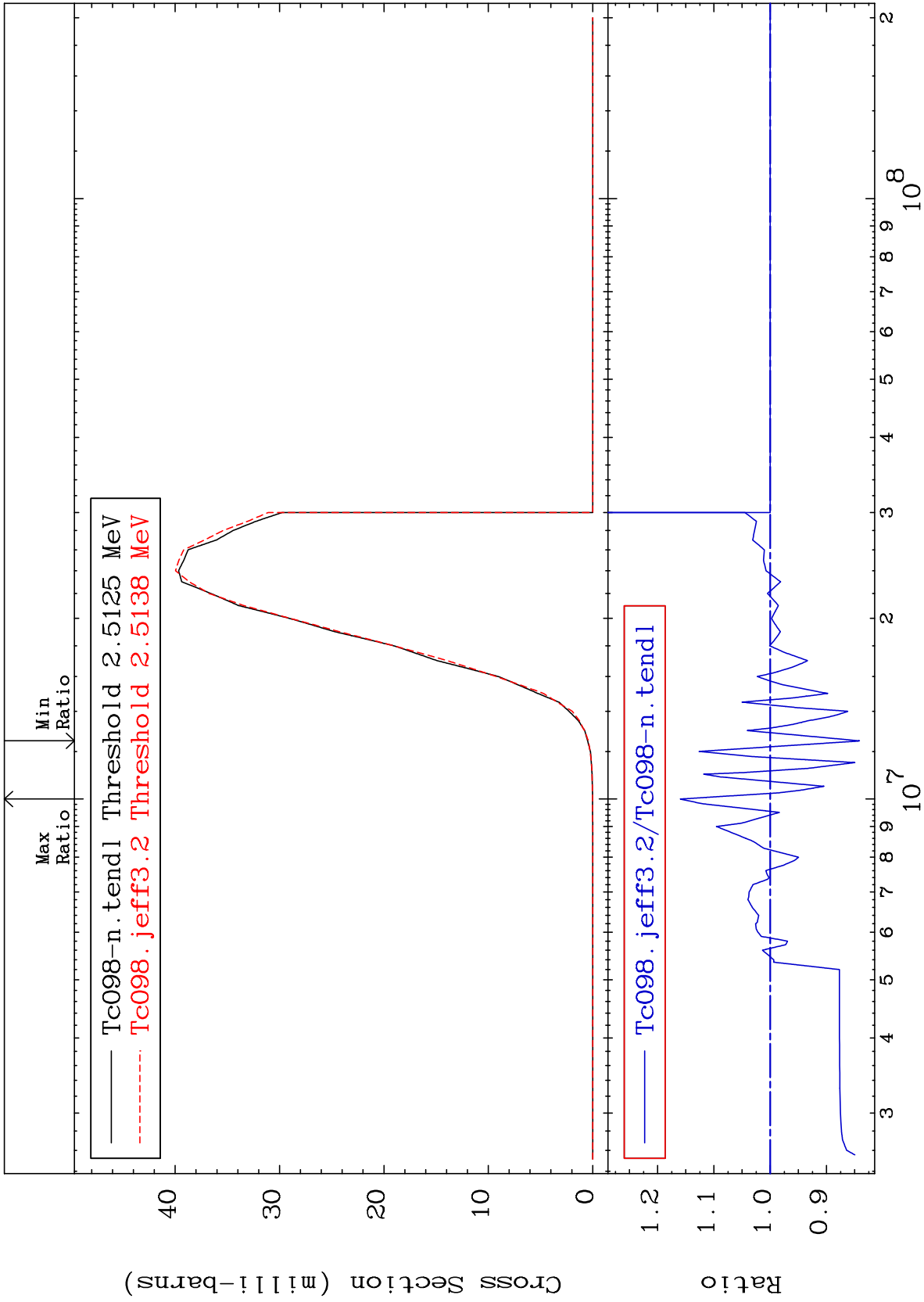


MAT 4322

(n, n') α
Cross Section

43-Tc-98

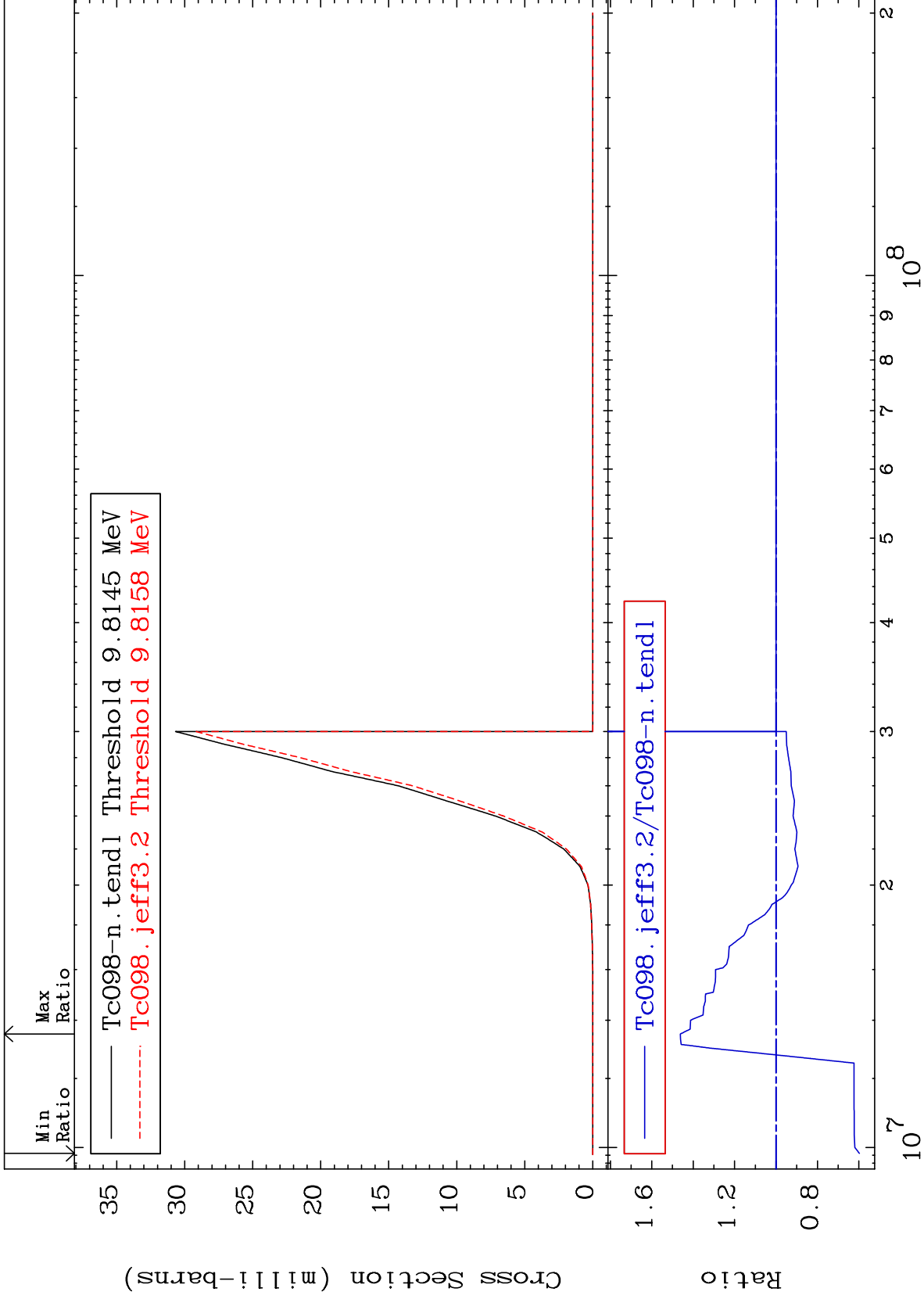
-15.84 To 15.97 %



MAT 4322

(n,2n) α
Cross Section

43-Tc-98
-40.29 To 46.19 %

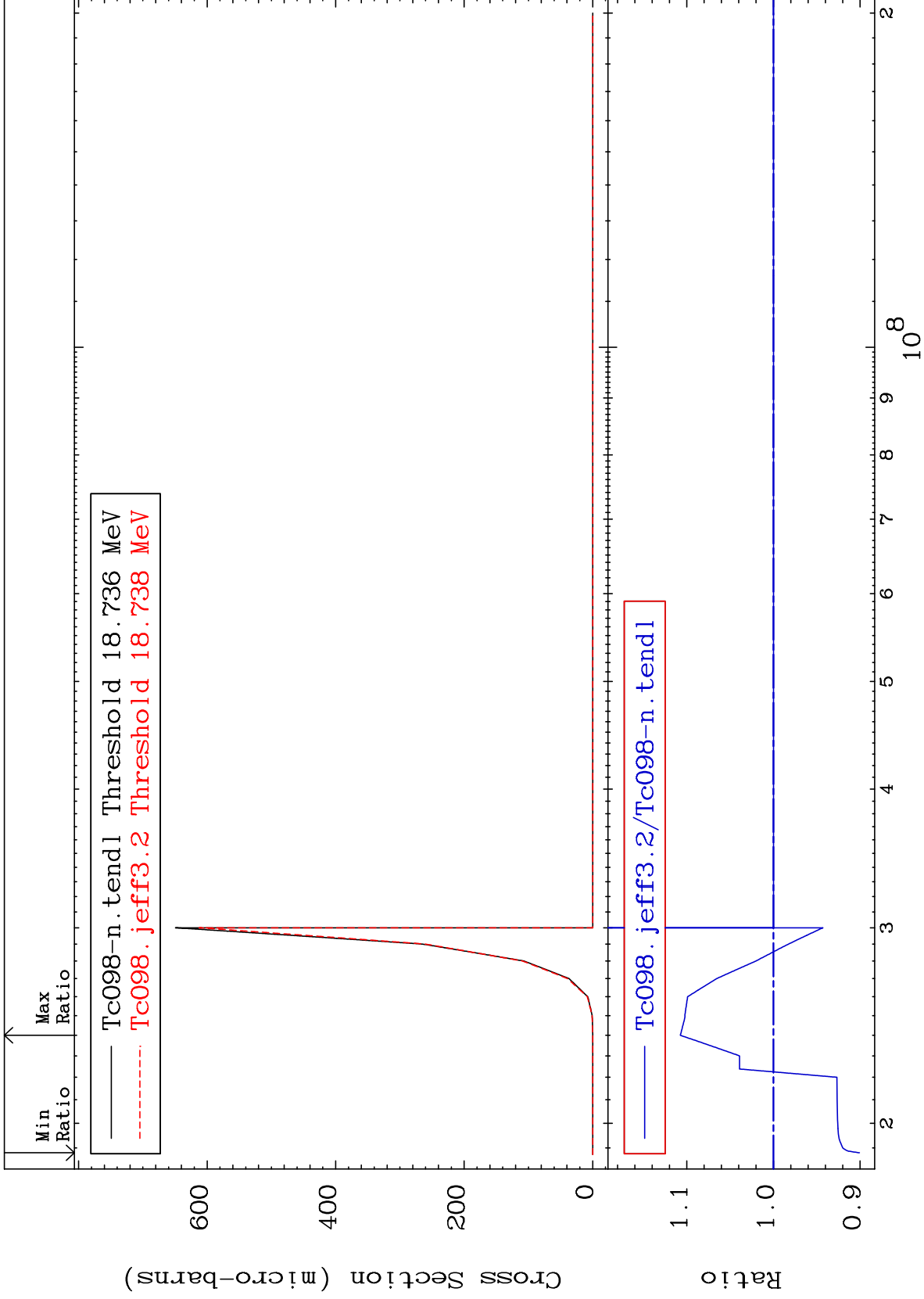


43-Tc-98

MAT 4322

(n,3n) α
Cross Section

43-Tc-98
-9.938 To 10.75 %



9

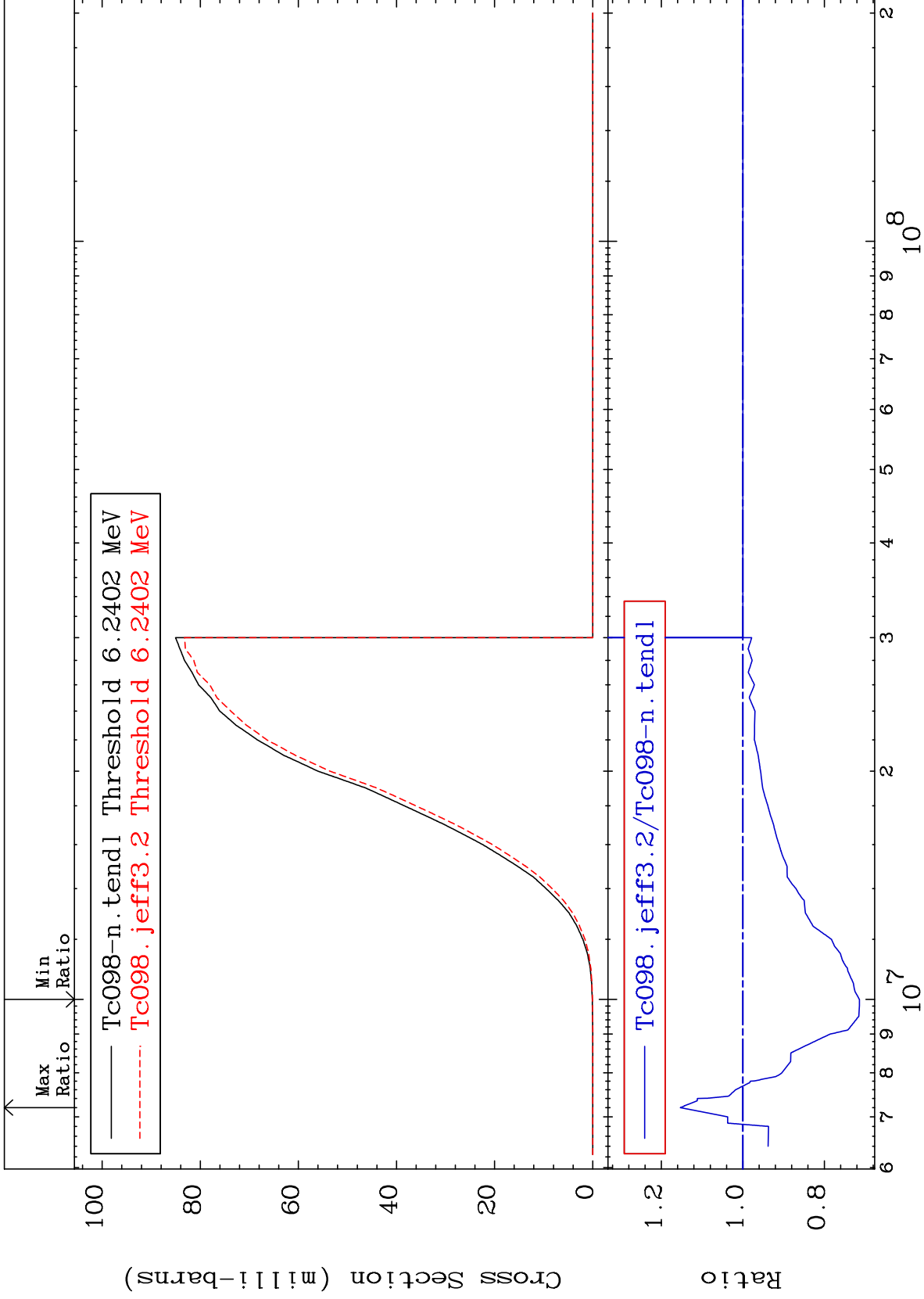
43-Tc-98

43-Tc-98

MAT 4322

(n, n') p
Cross Section

43-Tc-98
-28.62 To 15.33 %



10

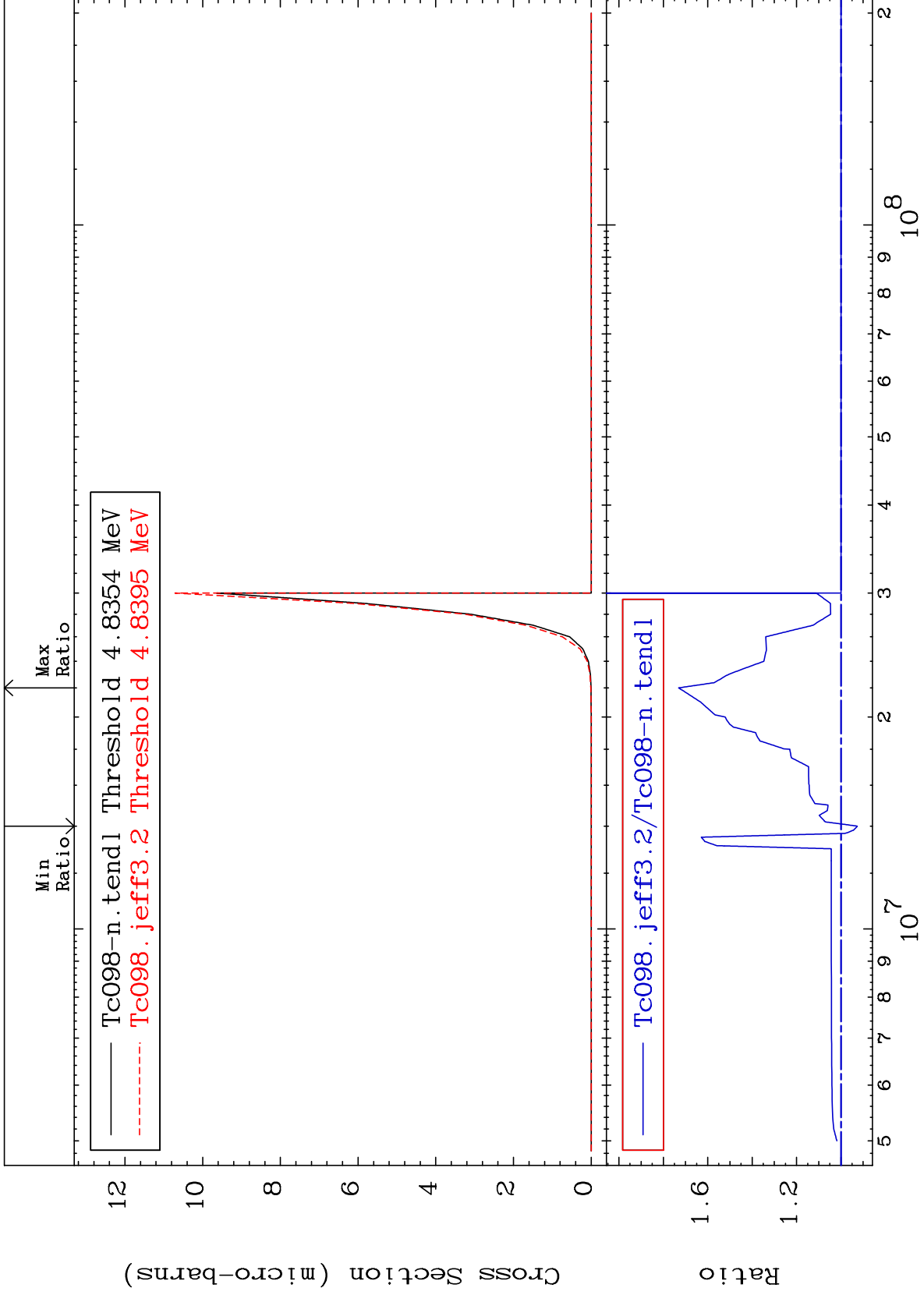
43-Tc-98

43-Tc-98

MAT 4322

(n, n') 2α
Cross Section

43-Tc-98
-7.338 To 73.10 %



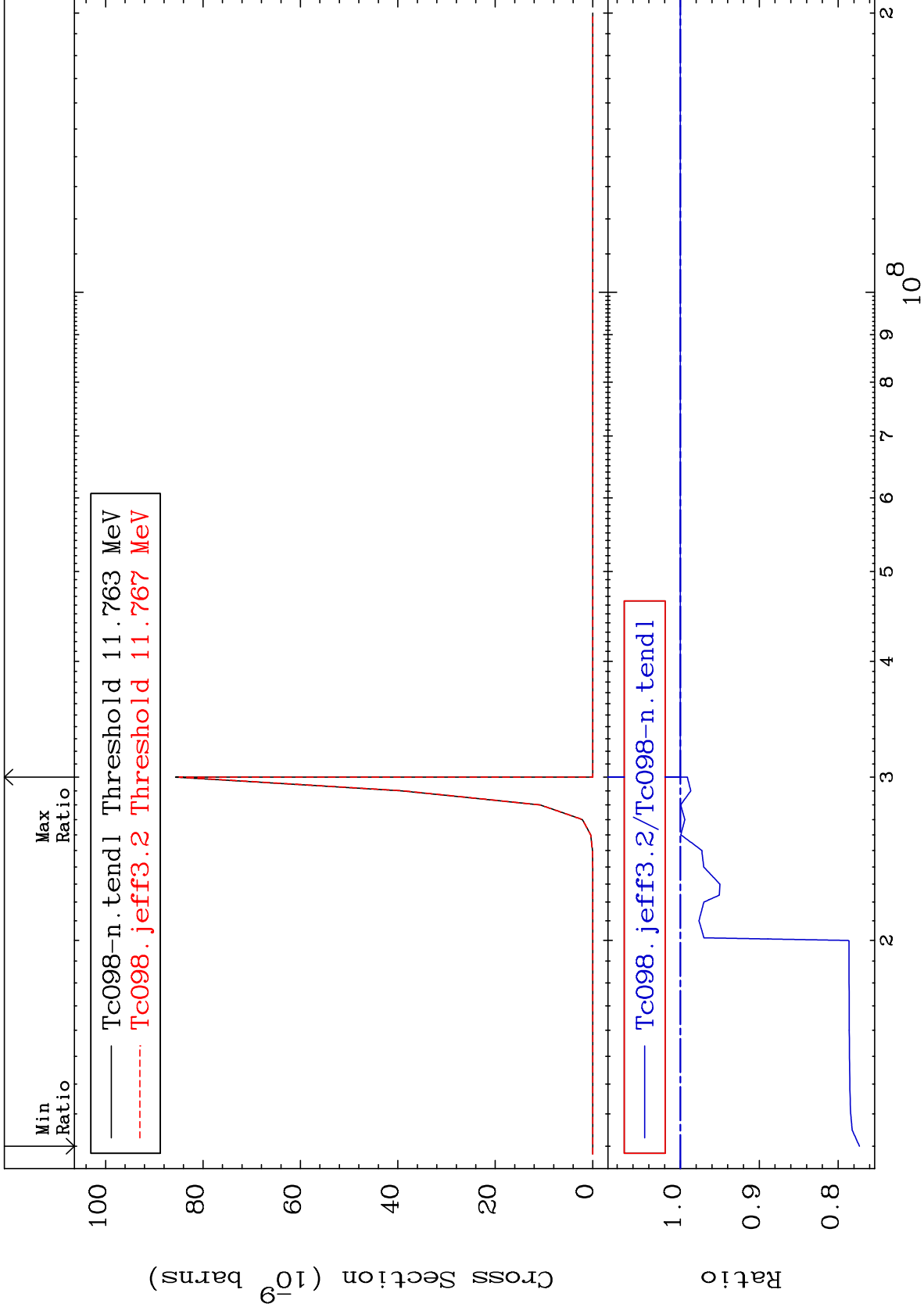
11

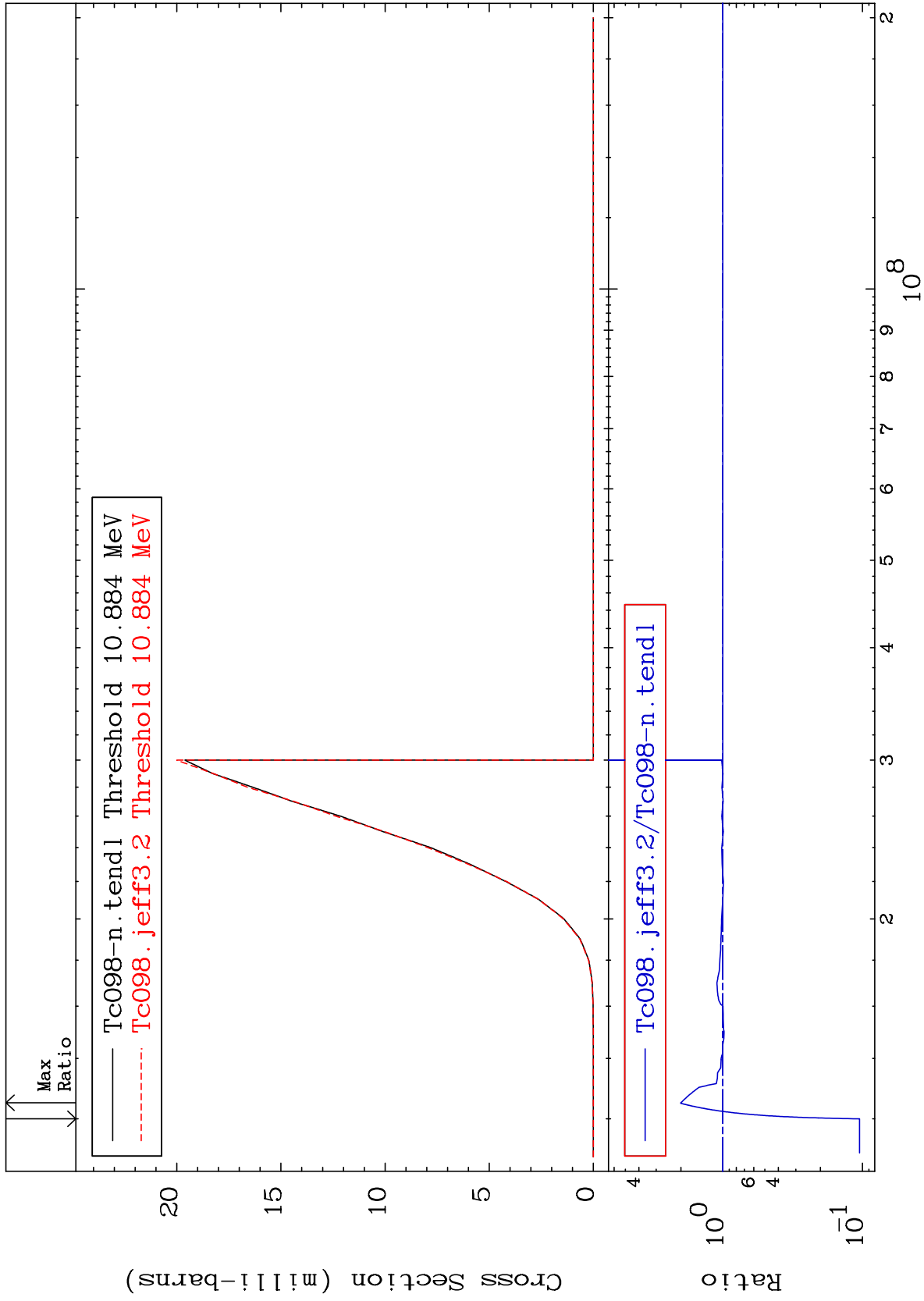
43-Tc-98

MAT 4322

(n,2n) 2α
Cross Section

43-Tc-98
-22.69 To 0.000 %





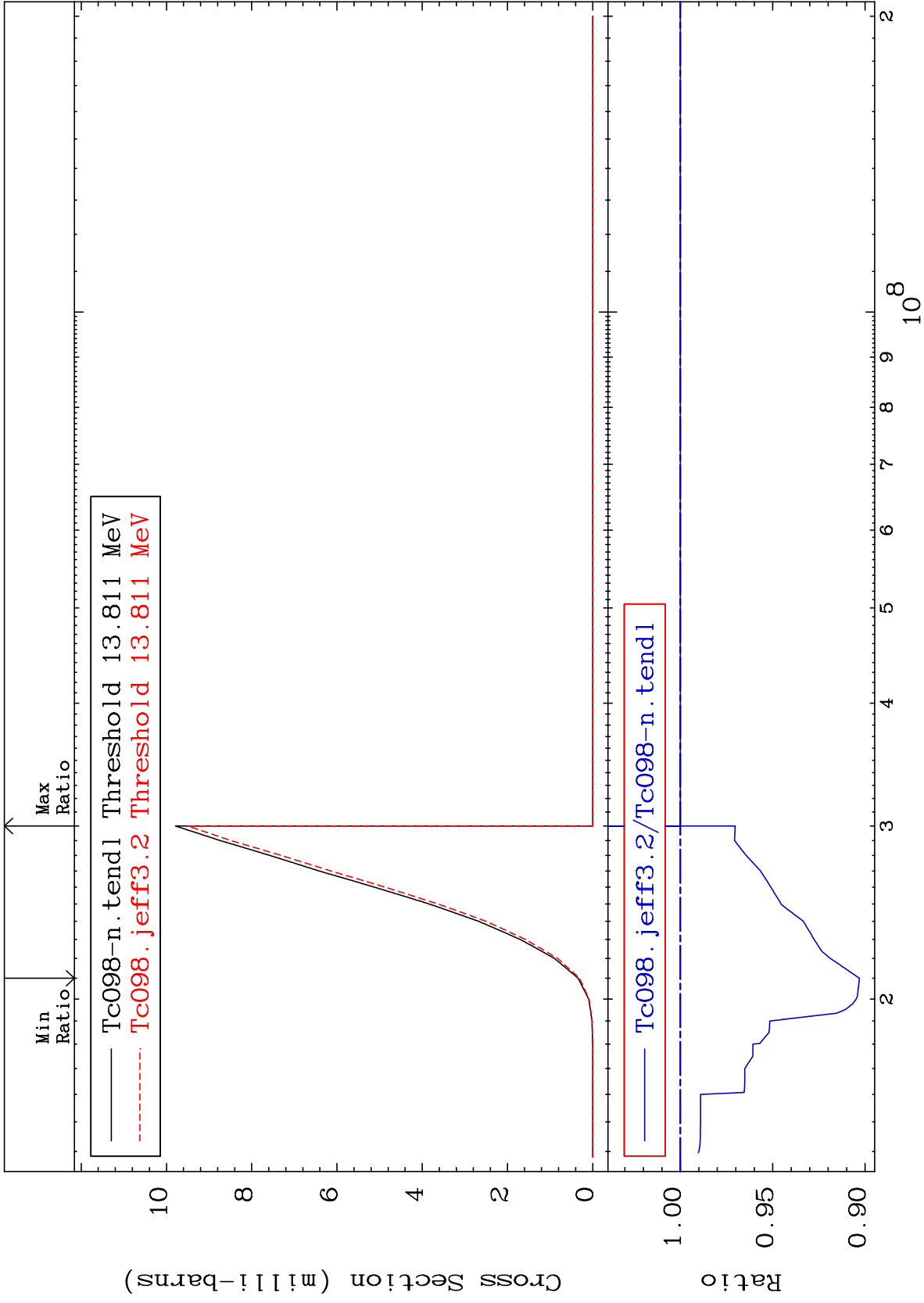
MAT 4322

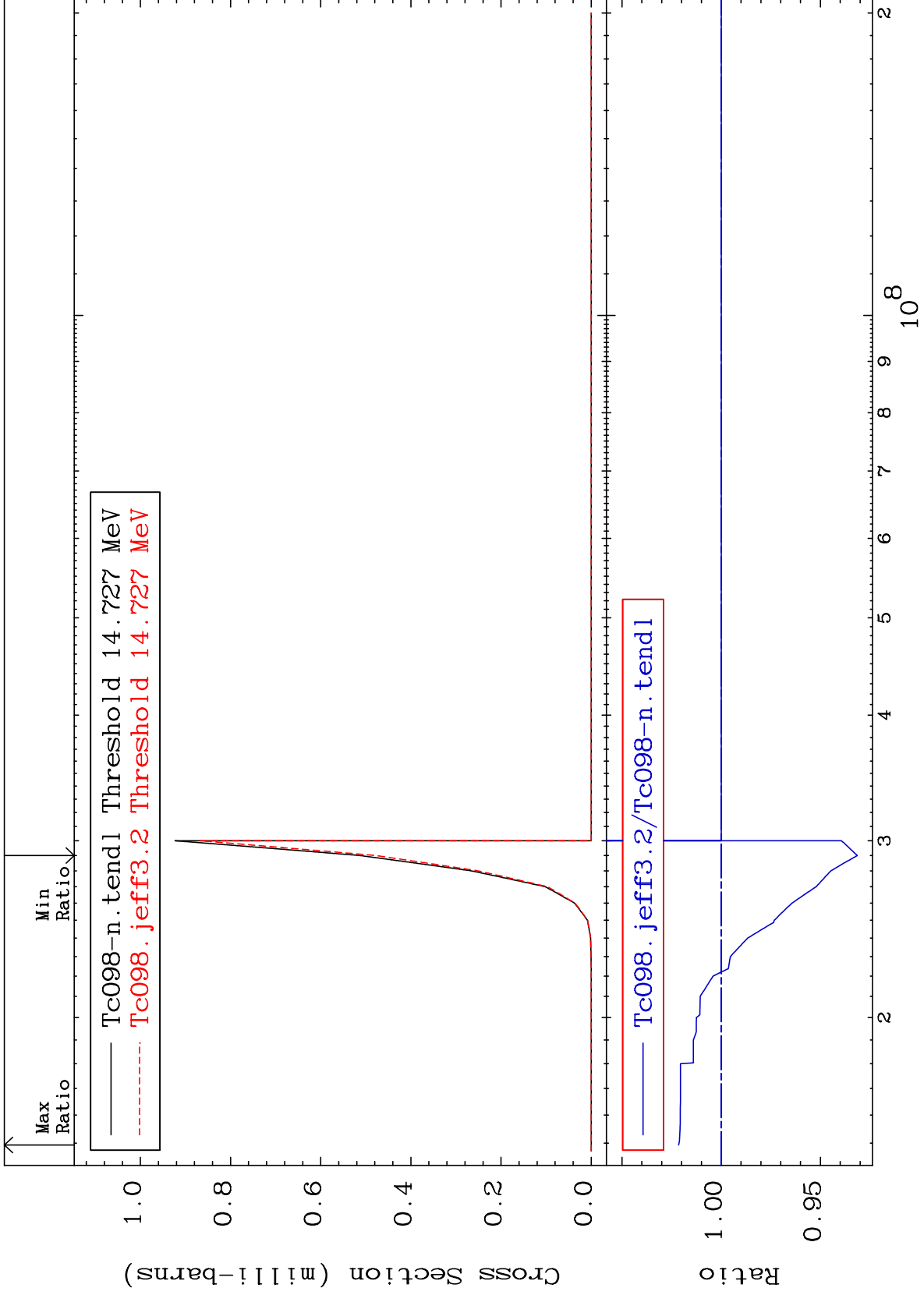
(n, n') t

43-Tc-98

Cross Section

-9.691 To 0.000 %

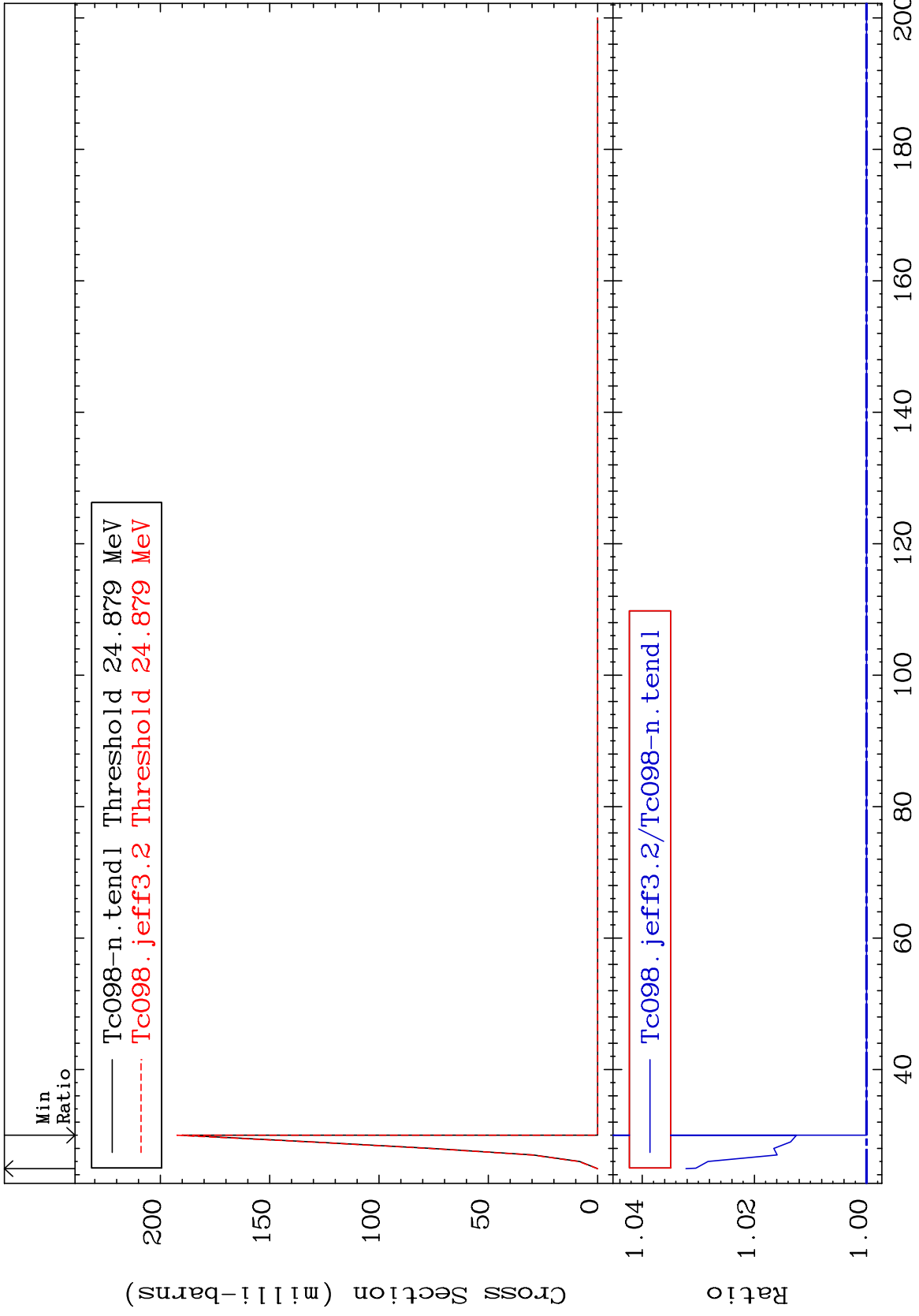




MAT 4322

(n,4n)
Cross Section

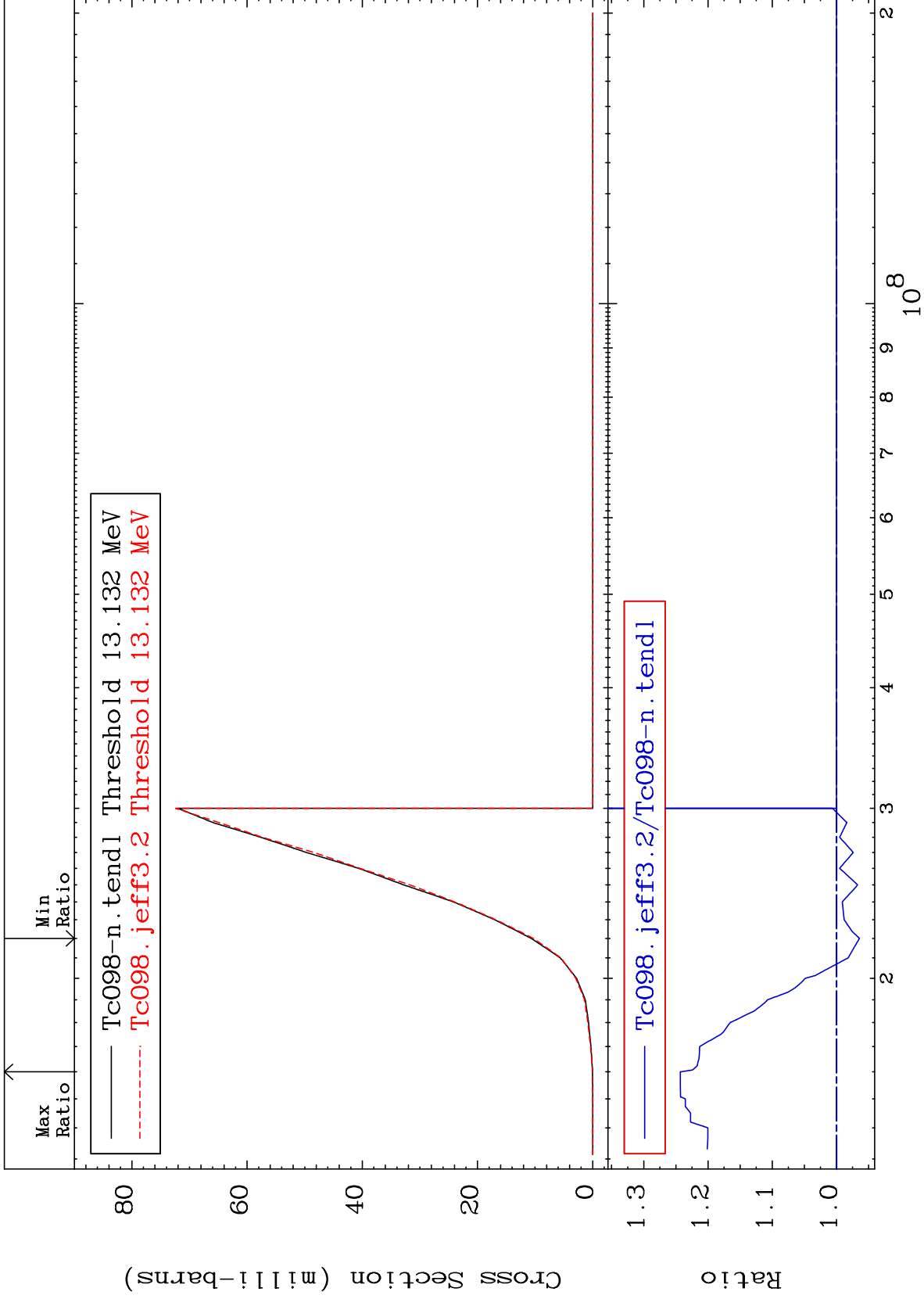
43-Tc-98
0.000 To 3.220 %



MAT 4322

(n,2n) p
Cross Section

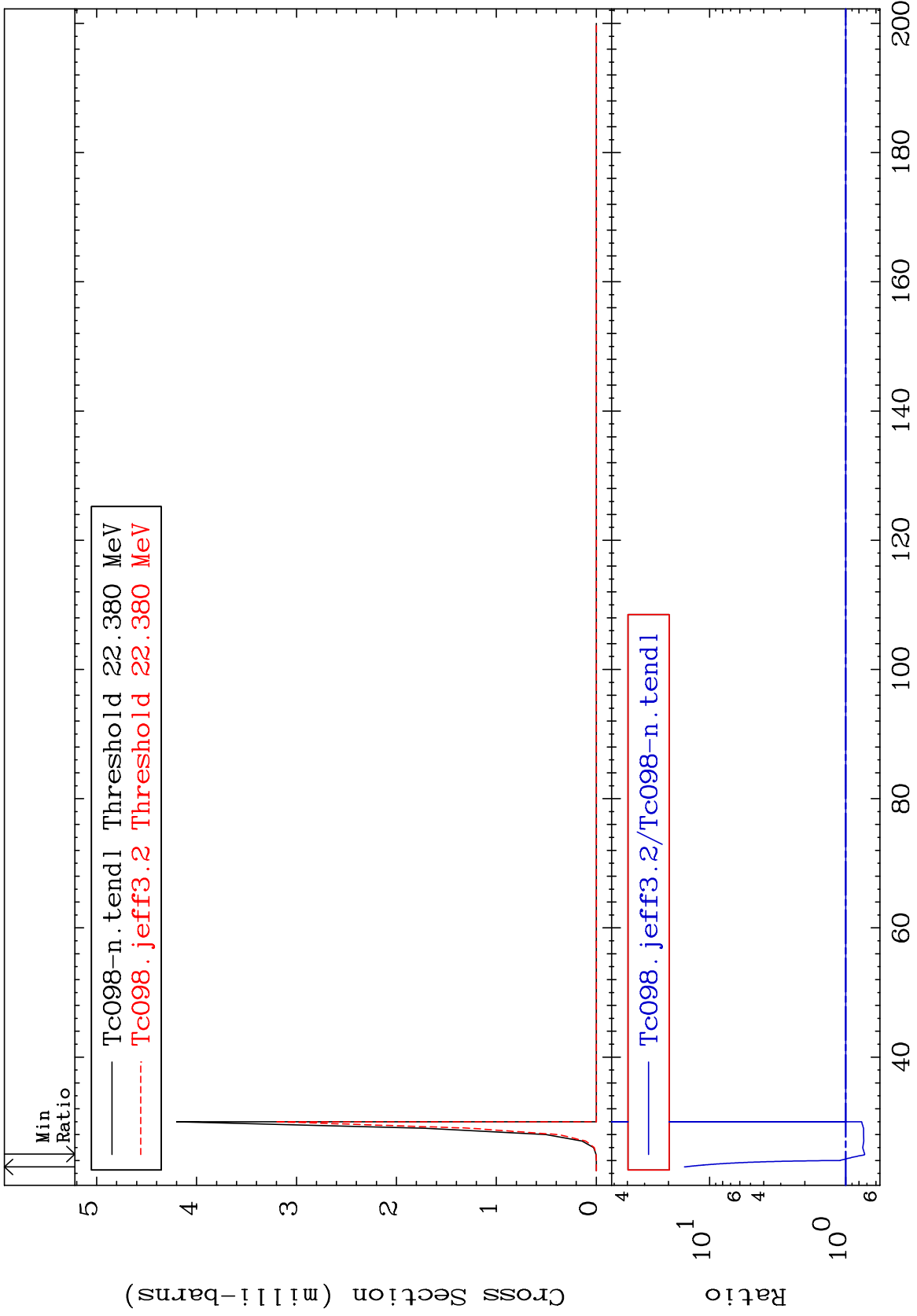
43-Tc-98
-3.558 To 24.30 %



MAT 4322

(n,3n) p
Cross Section

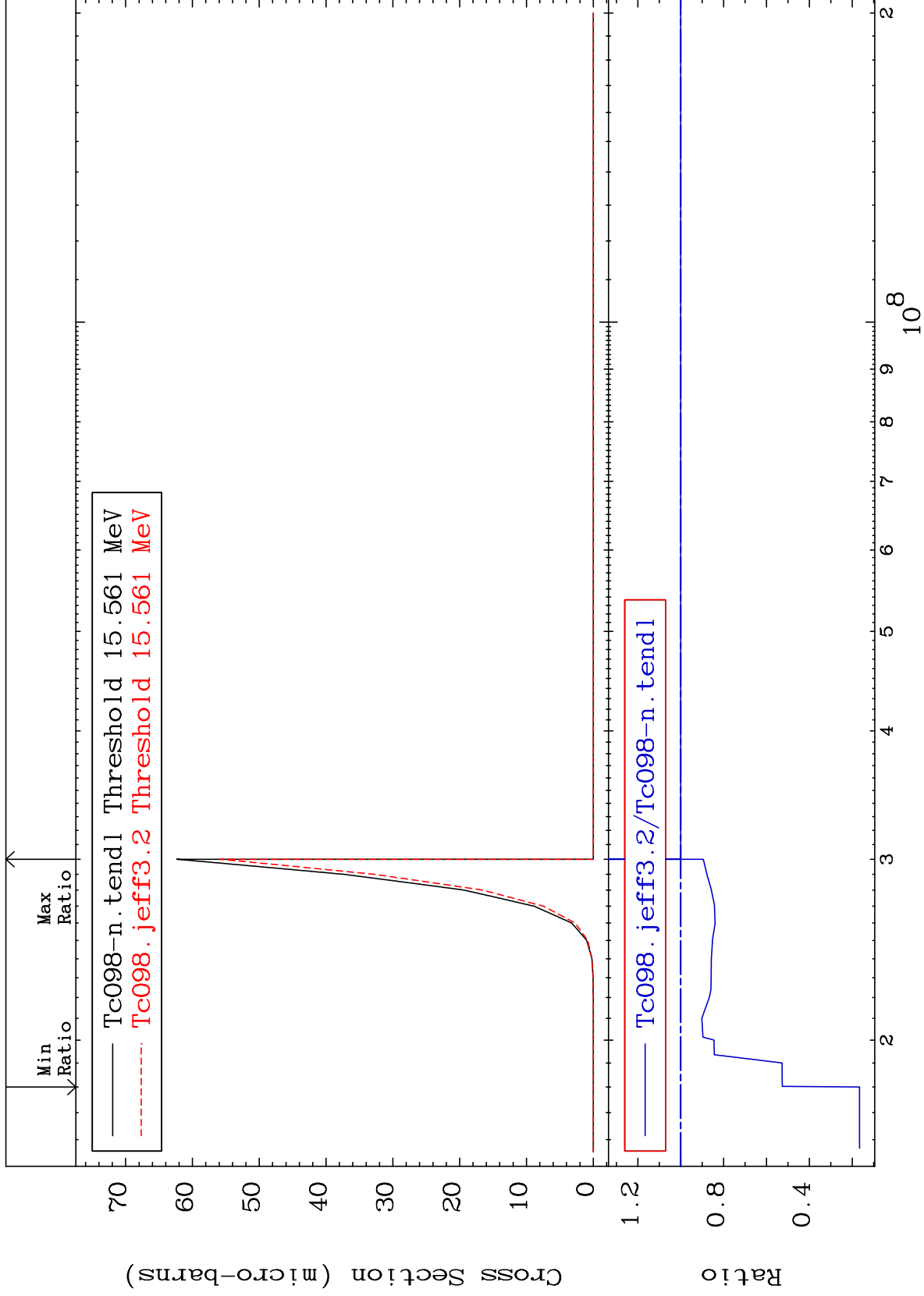
43-Tc-98
-27.30 To 1426. %



MAT 4322

(n,2n) p
Cross Section

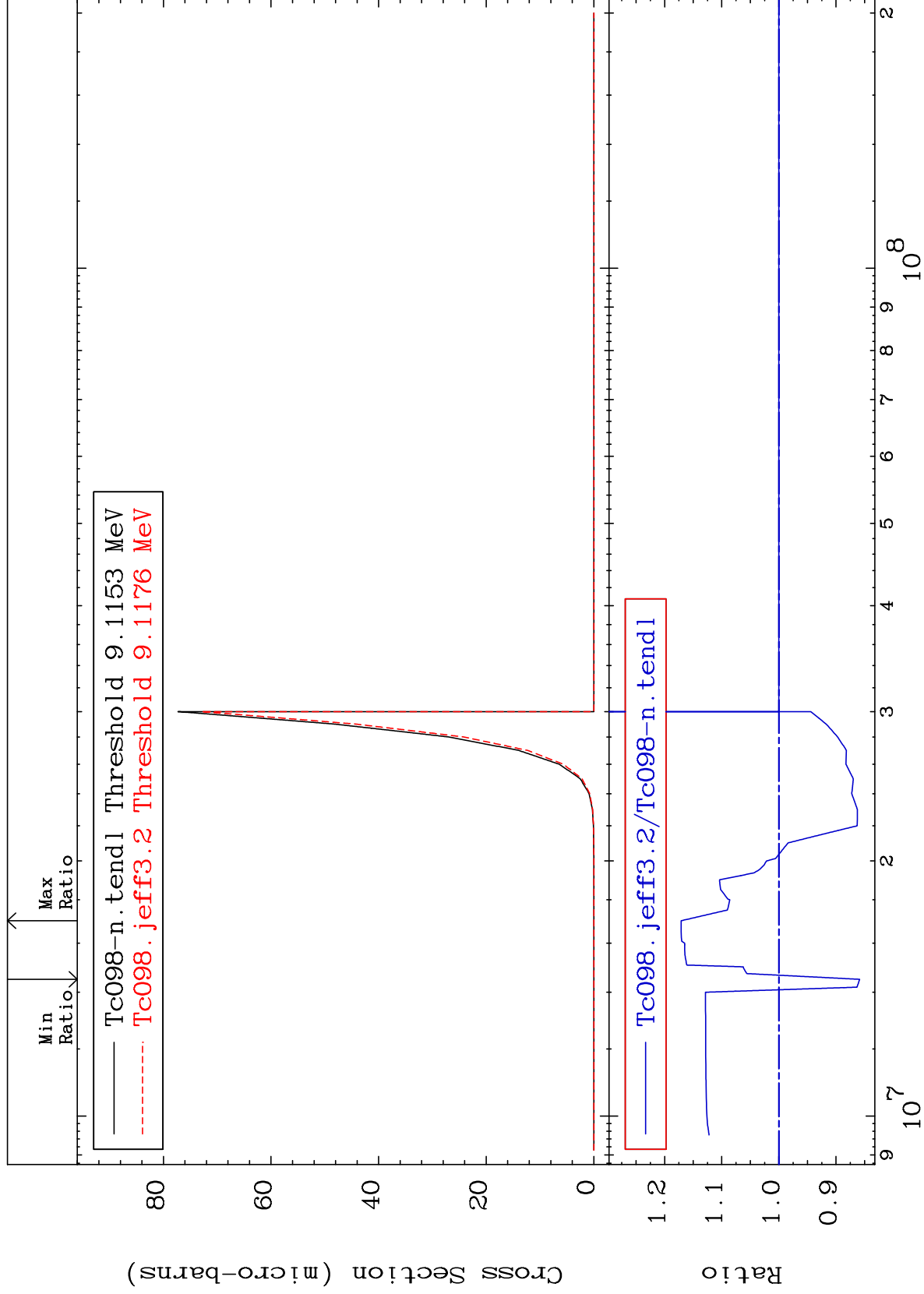
43-Tc-98
-83.39 To 0.000 %



MAT 4322

(n,n') p α
Cross Section

43-Tc-98
-14.14 To 17.10 %



20

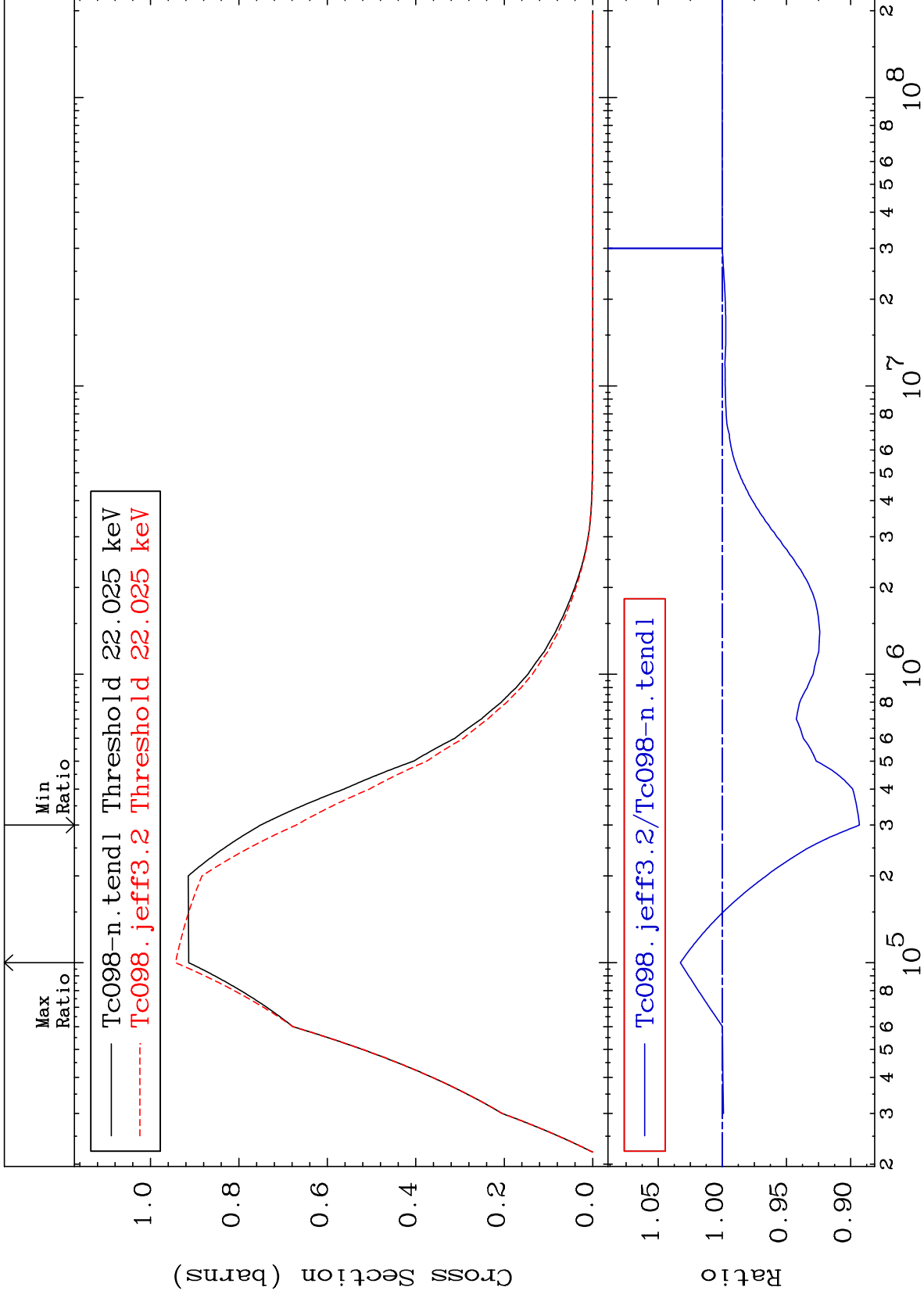
Incident Energy (eV)

43-Tc-98

MAT 4322

21.80 keV (n,n') Level
Cross Section

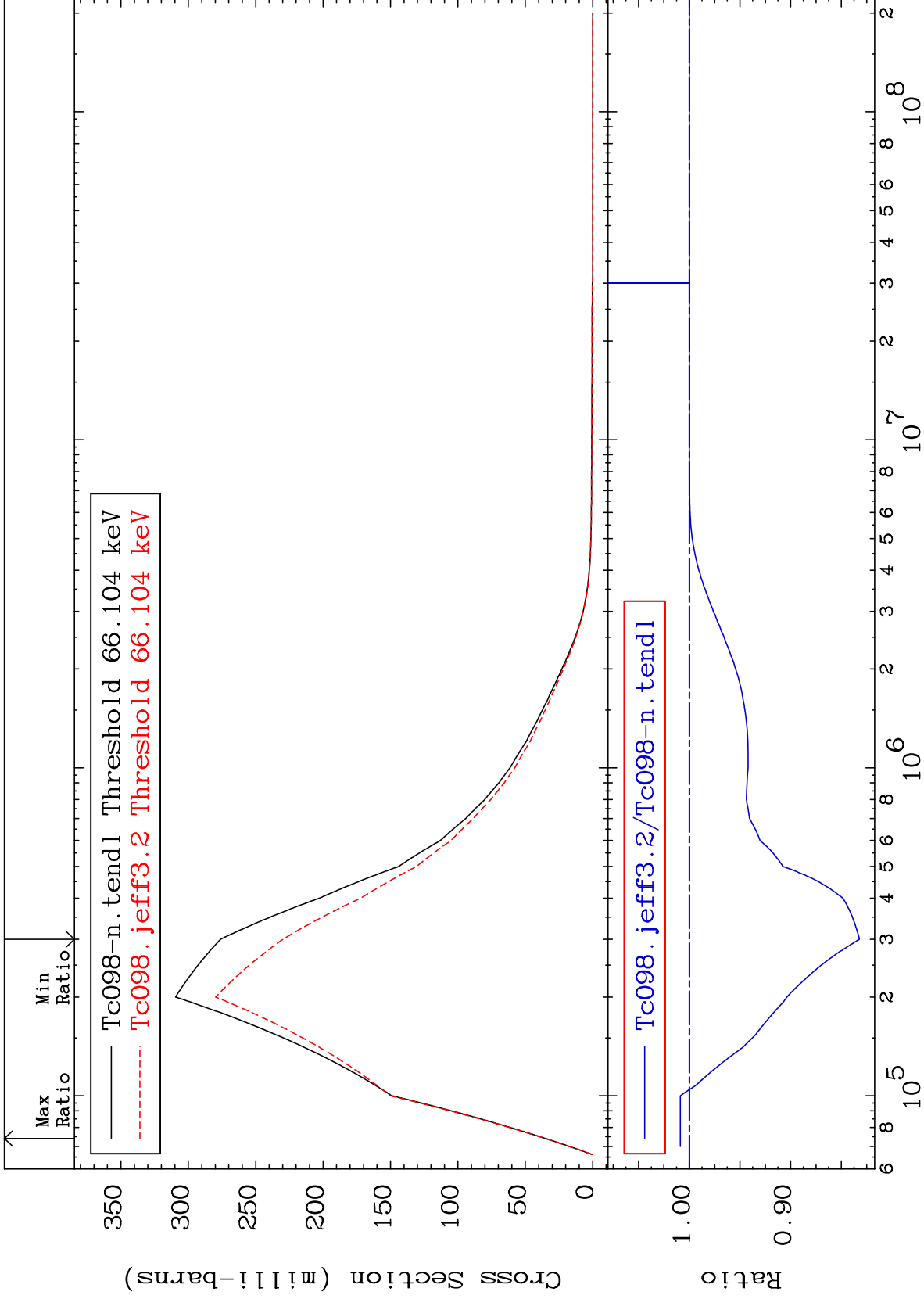
43-Tc-98
-10.68 To 3.269 %



MAT 4322

65.43 keV (n,n') Level
Cross Section

43-Tc-98
-16.78 To 0.880 %



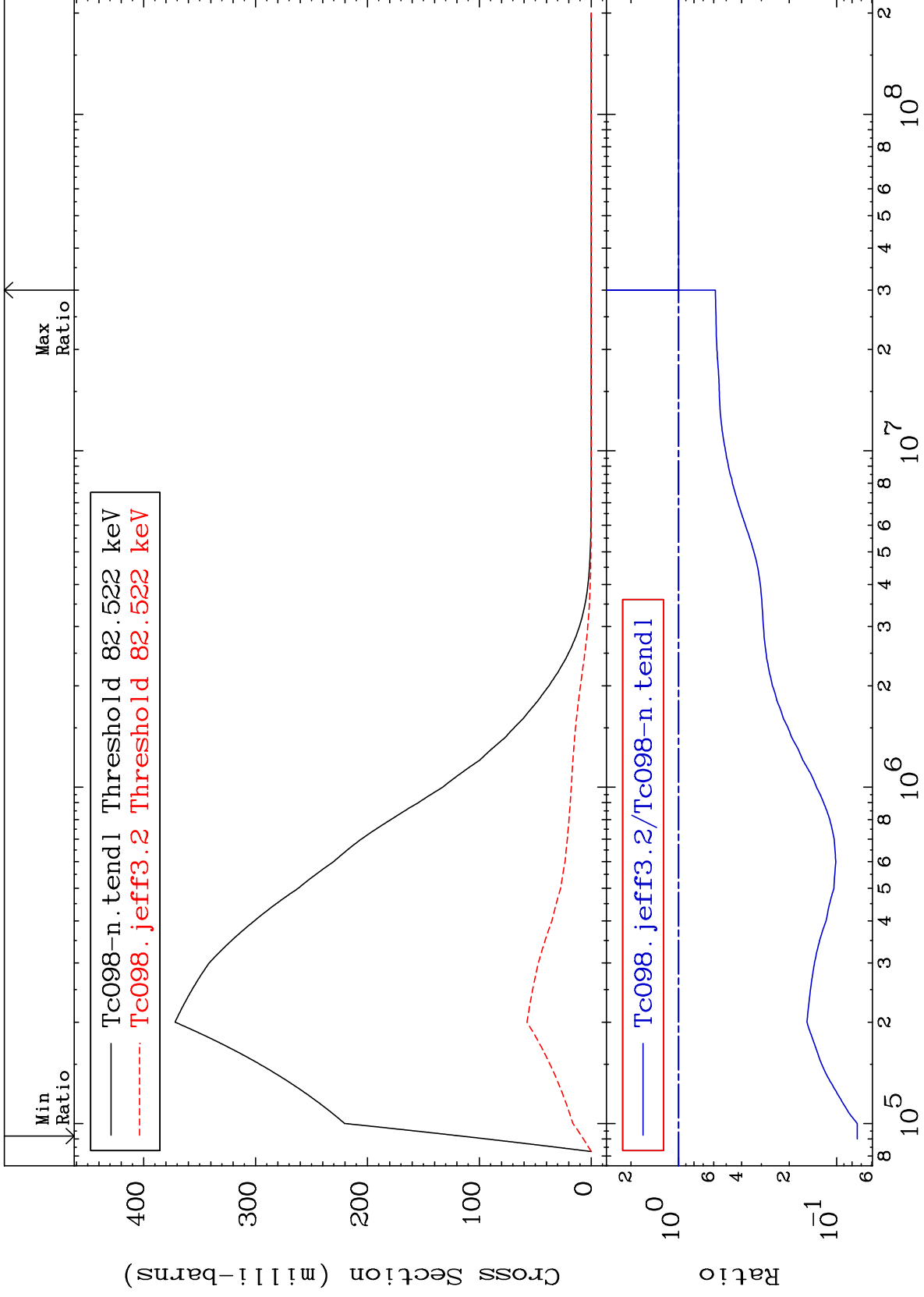
— Tc098-n.tendl Threshold 66.104 keV
- - - Tc098.jeff3.2 Threshold 66.104 keV

— Tc098.jeff3.2/Tc098-n.tendl

MAT 4322

81.68 keV (n,n') Level
Cross Section

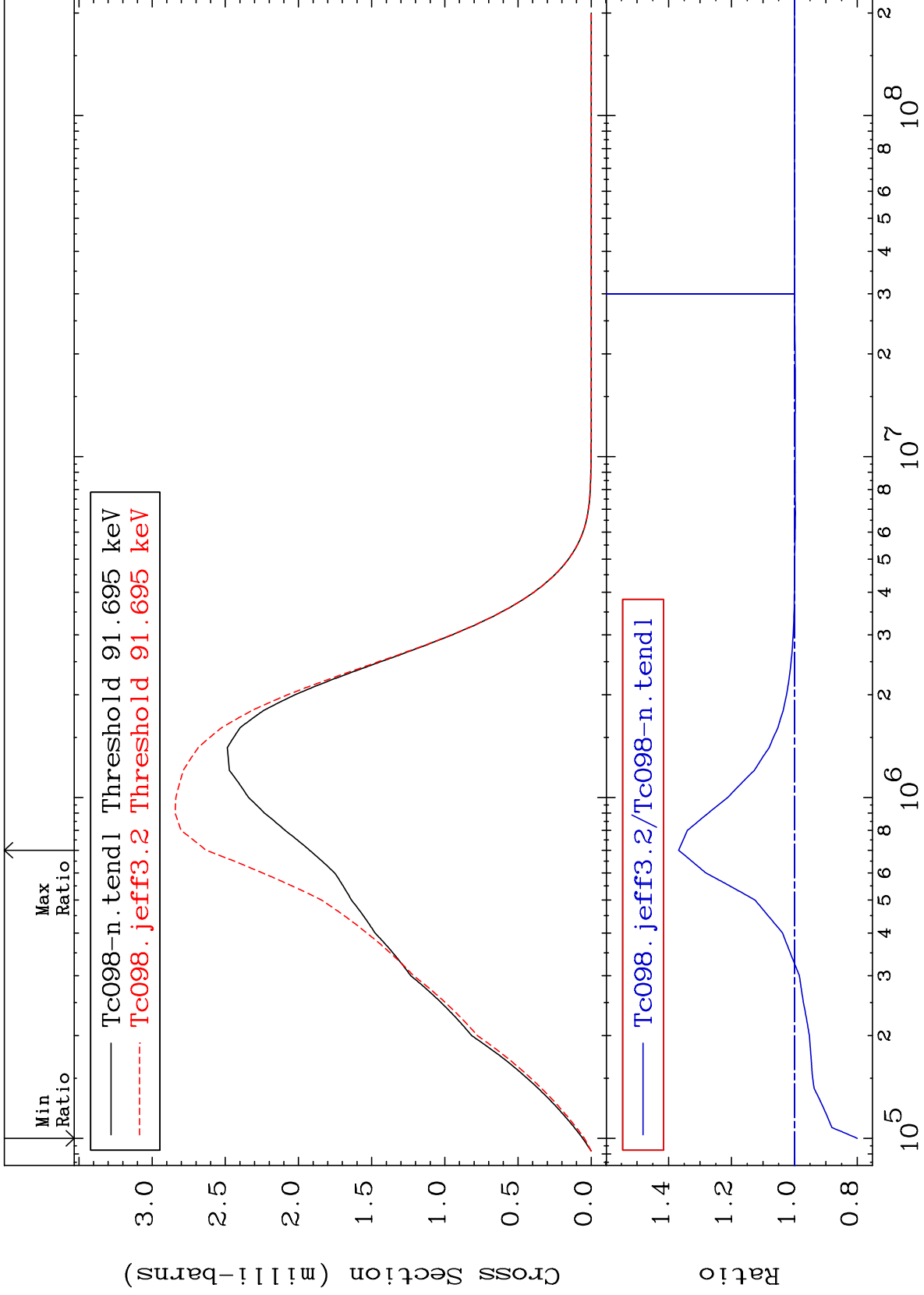
43-Tc-98
-92.58 To 0.000 %



MAT 4322

90.76 keV (n,n') Level
Cross Section

43-Tc-98
-19.98 To 36.79 %



25

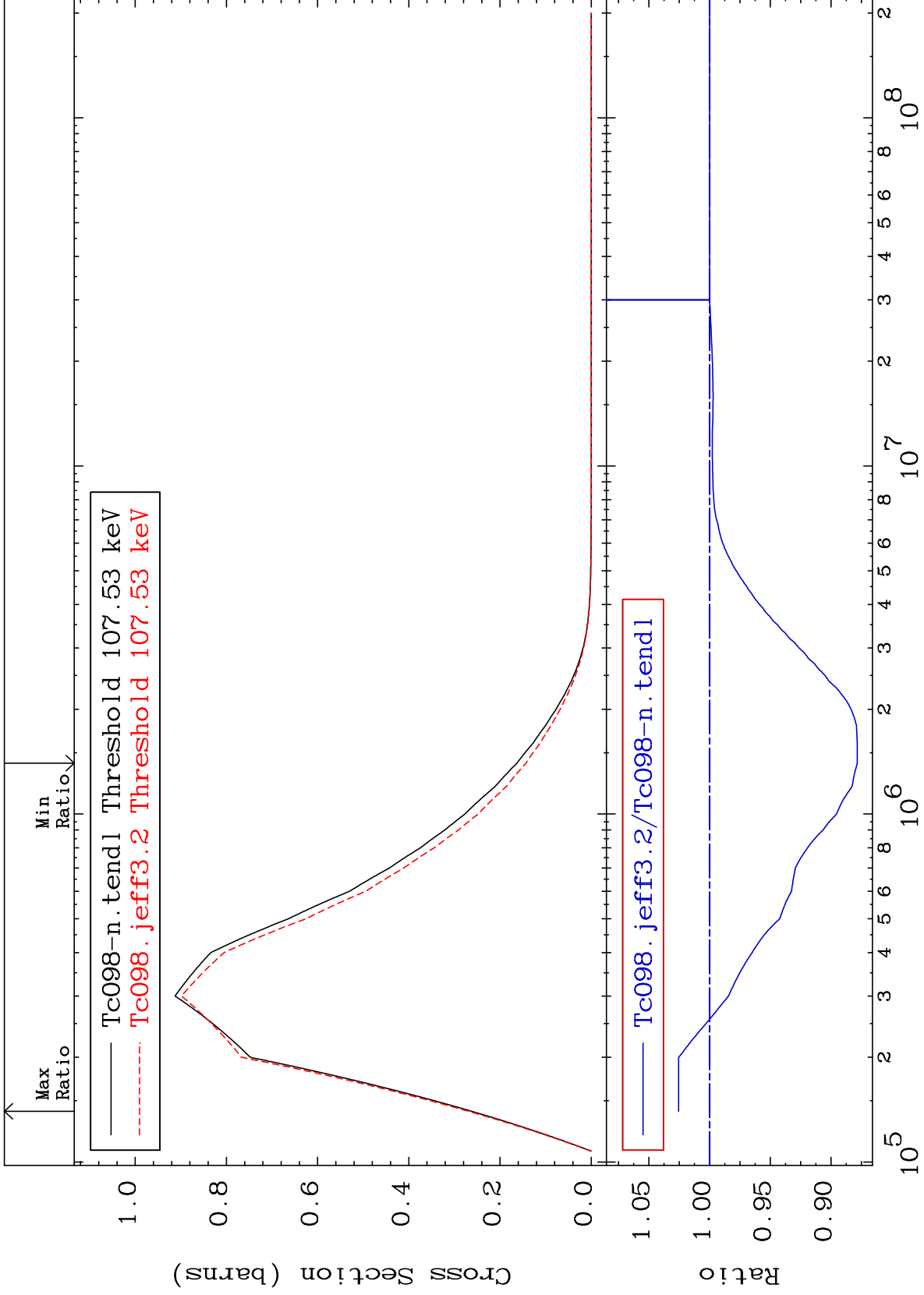
Incident Energy (eV)

43-Tc-98

MAT 4322

106.4 keV (n,n') Level
Cross Section

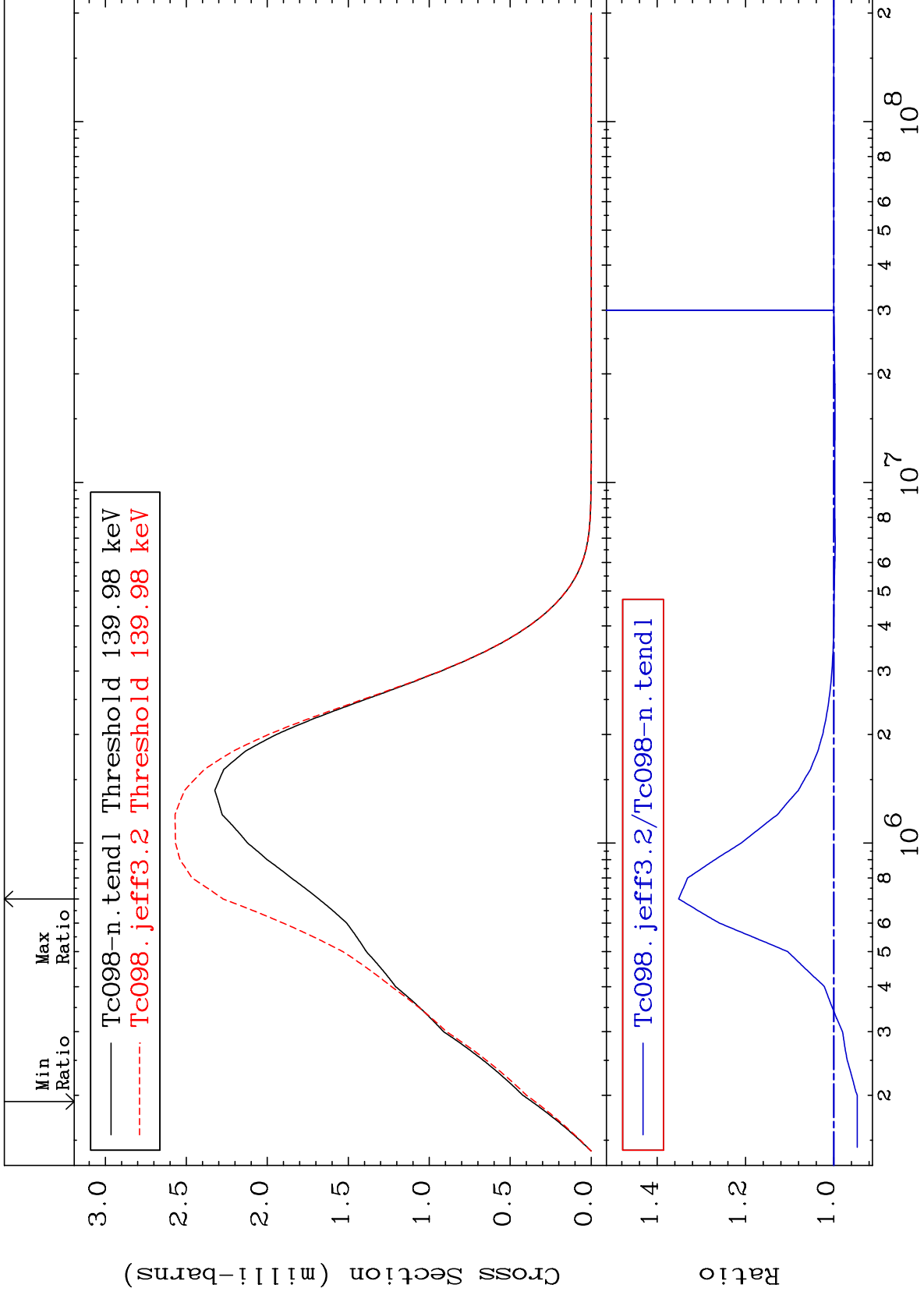
43-Tc-98
-12.16 To 2.550 %



MAT 4322

138.6 keV (n,n') Level
Cross Section

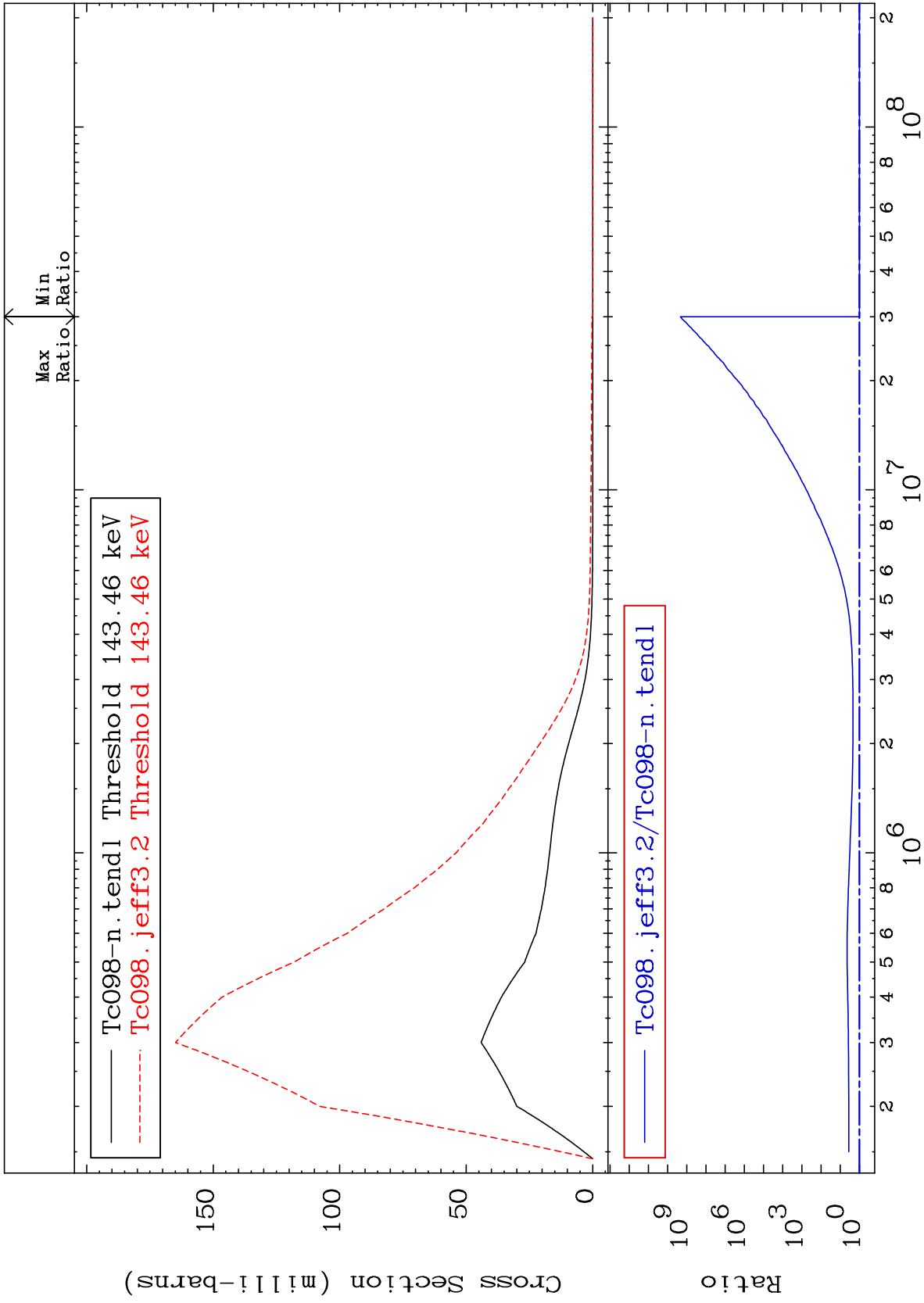
43-Tc-98
-5.299 To 35.14 %



MAT 4322

142.0 keV (n,n') Level
Cross Section

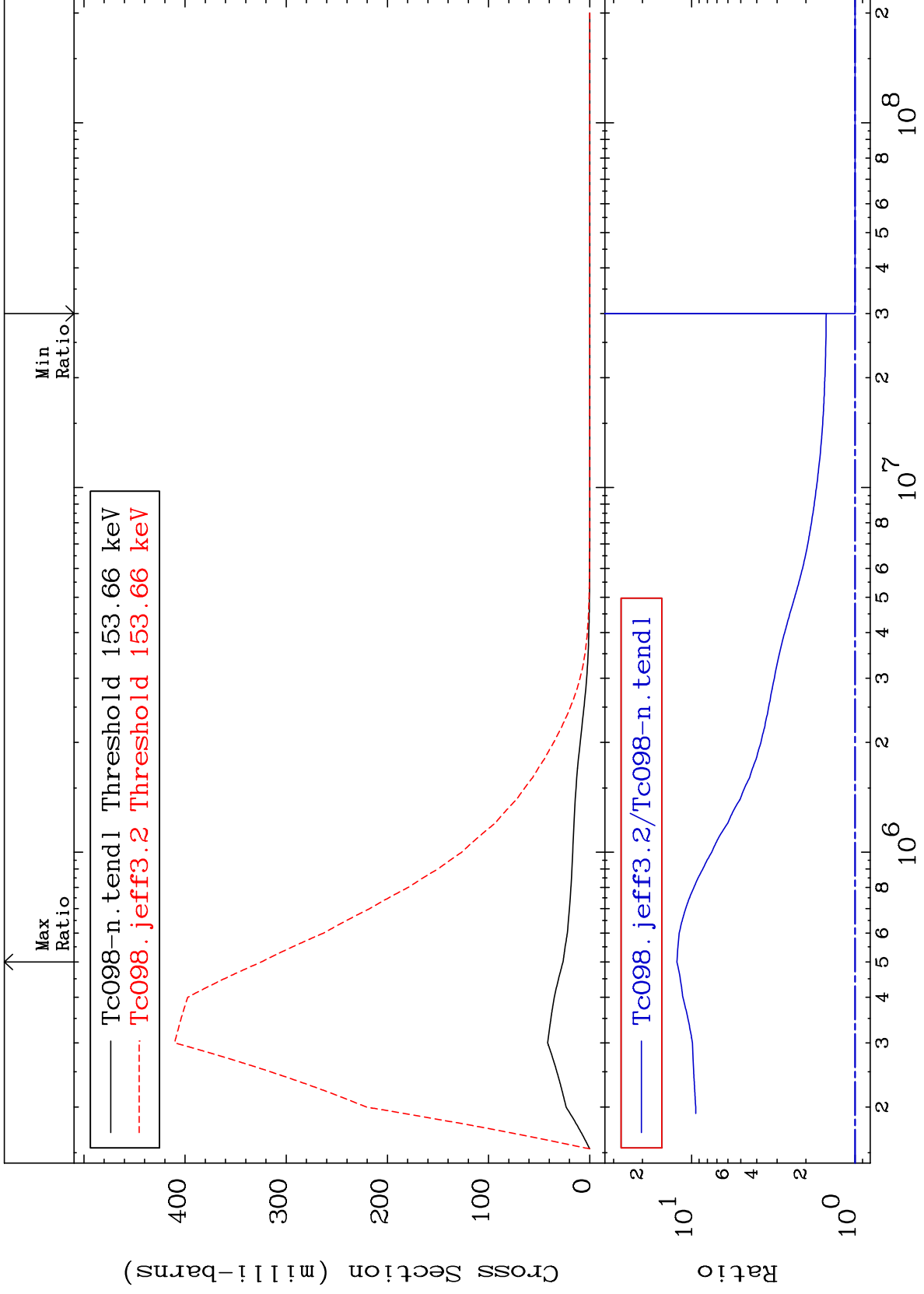
43-Tc-98
0.000 To 9999. %



MAT 4322

152.1 keV (n,n') Level
Cross Section

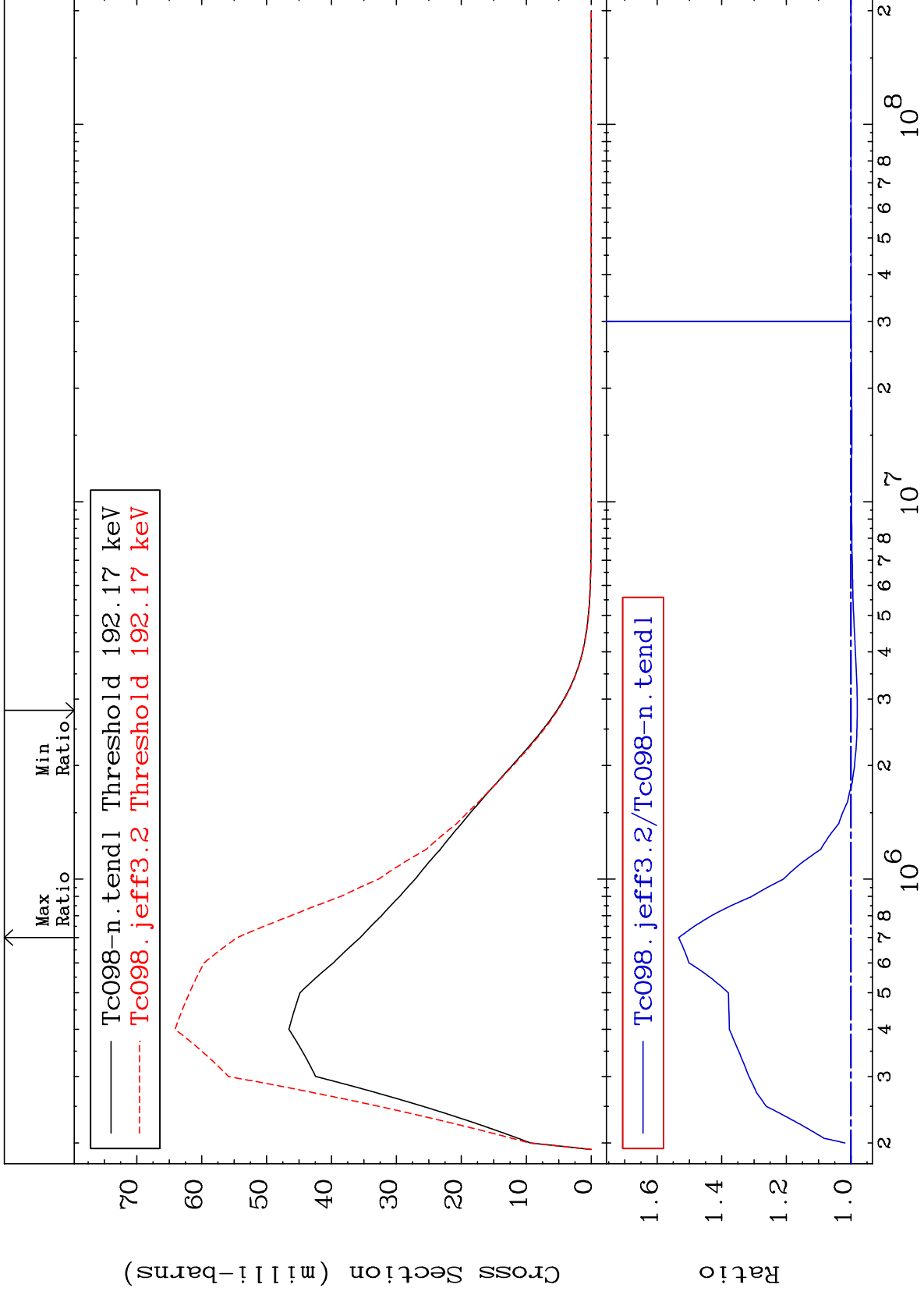
43-Tc-98
0.000 To 1130. %



MAT 4322

190.2 keV (n,n') Level
Cross Section

43-Tc-98
-1.958 To 53.34 %



30

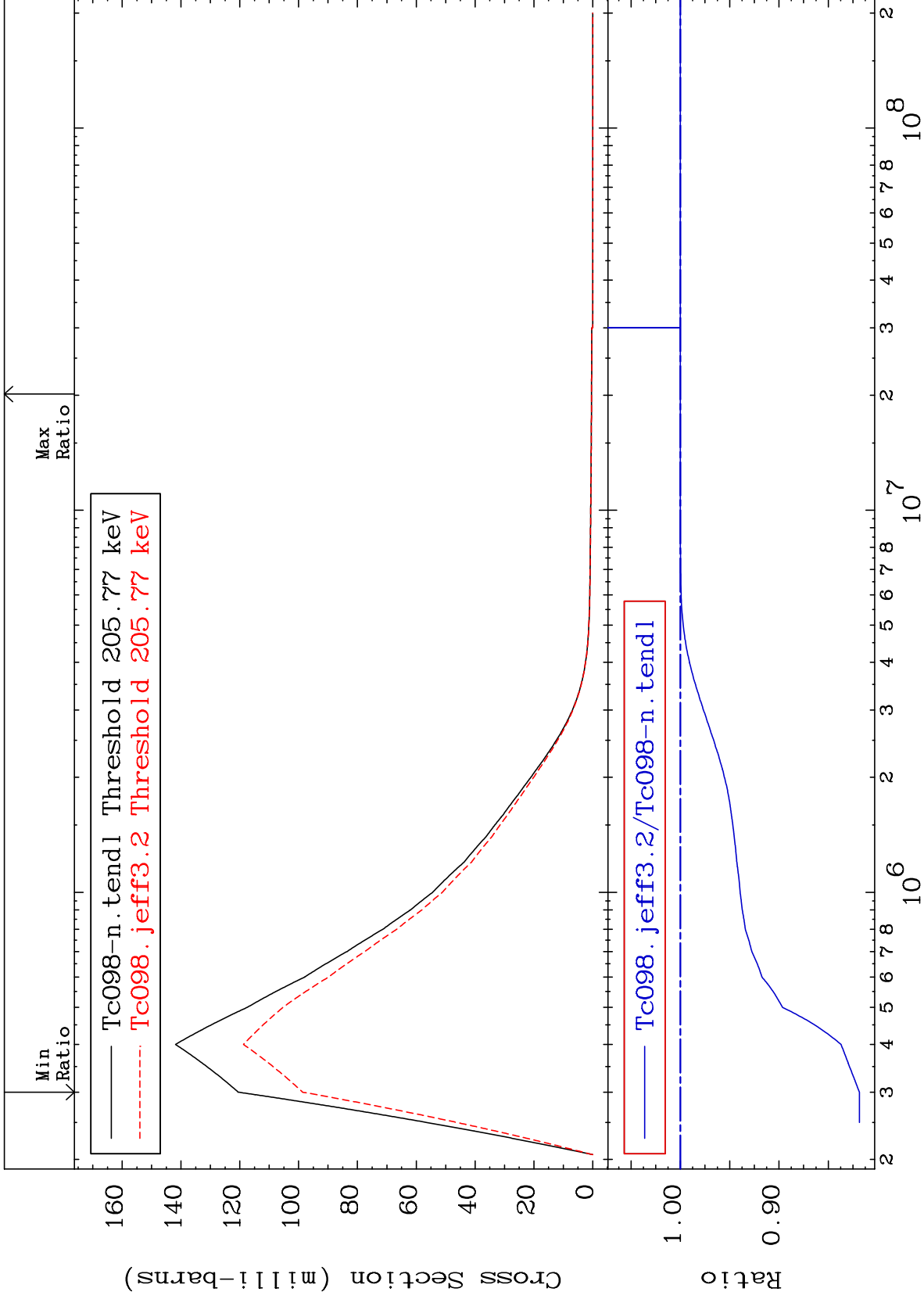
Incident Energy (eV)

43-Tc-98

MAT 4322

203.7 keV (n,n') Level
Cross Section

43-Tc-98
-18.16 To 0.000 %



31

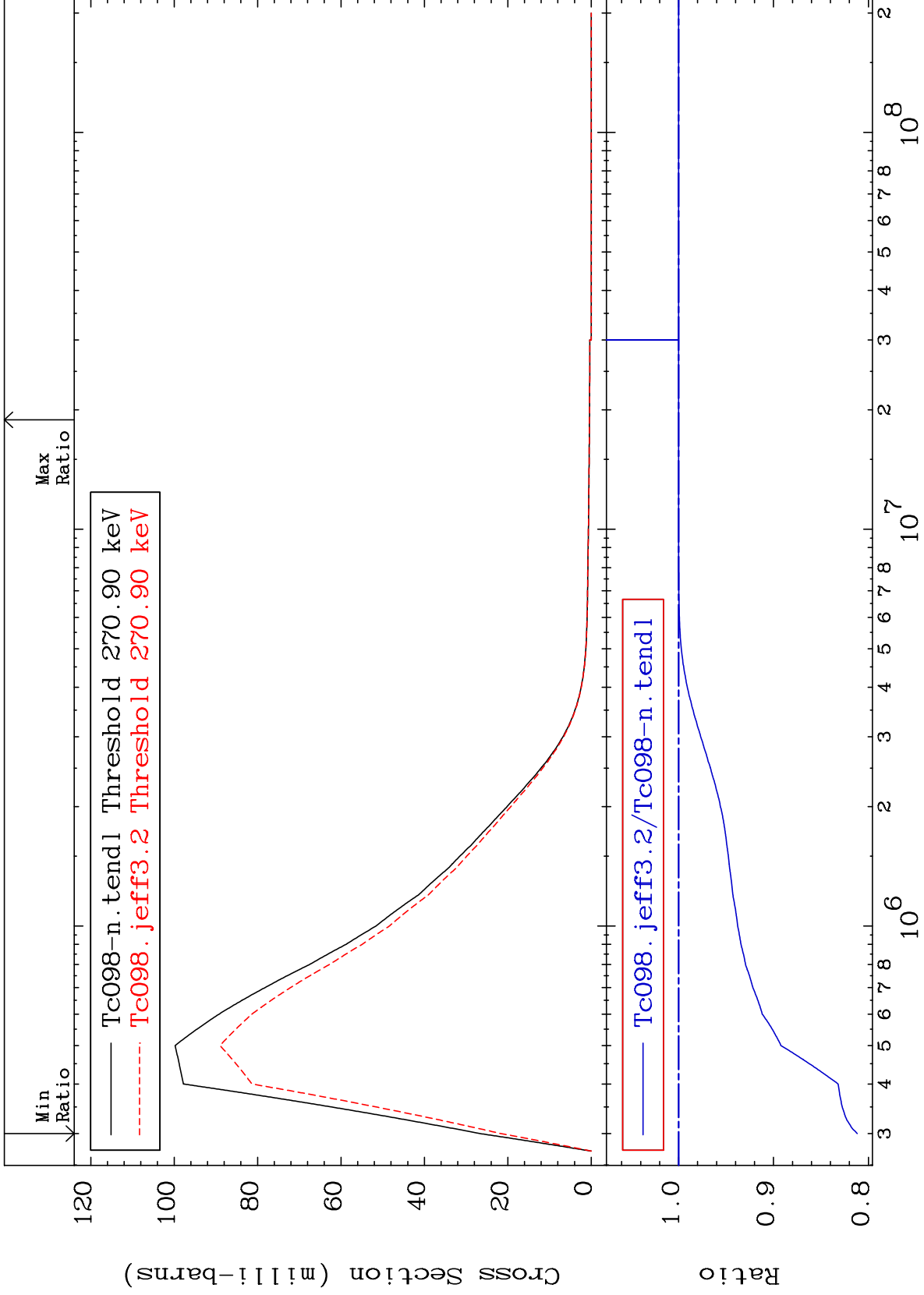
Incident Energy (eV)

43-Tc-98

MAT 4322

268.1 keV (n,n') Level
Cross Section

43-Tc-98
-18.82 To 0.000 %



32

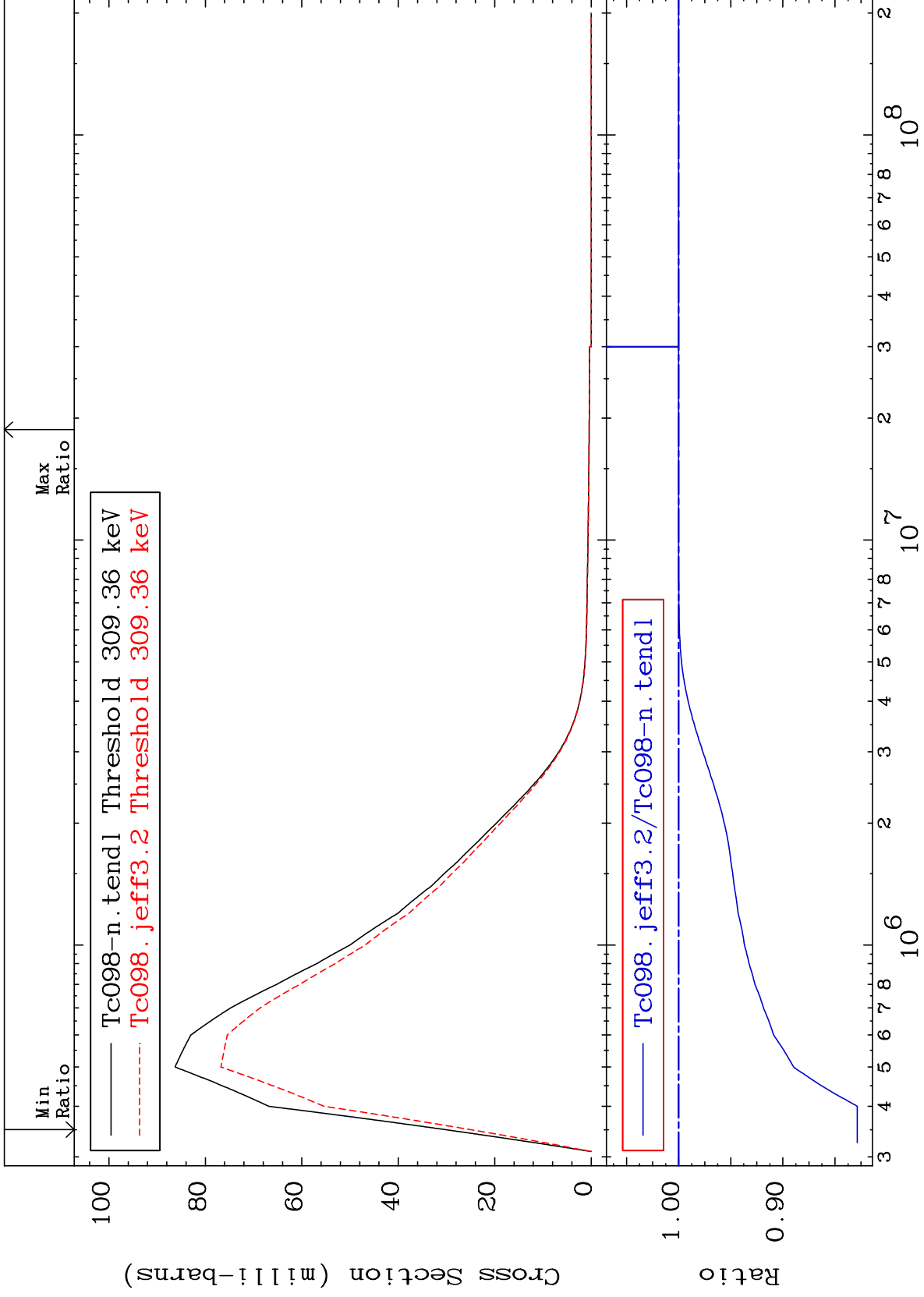
Incident Energy (eV)

43-Tc-98

MAT 4322

306.2 keV (n,n') Level
Cross Section

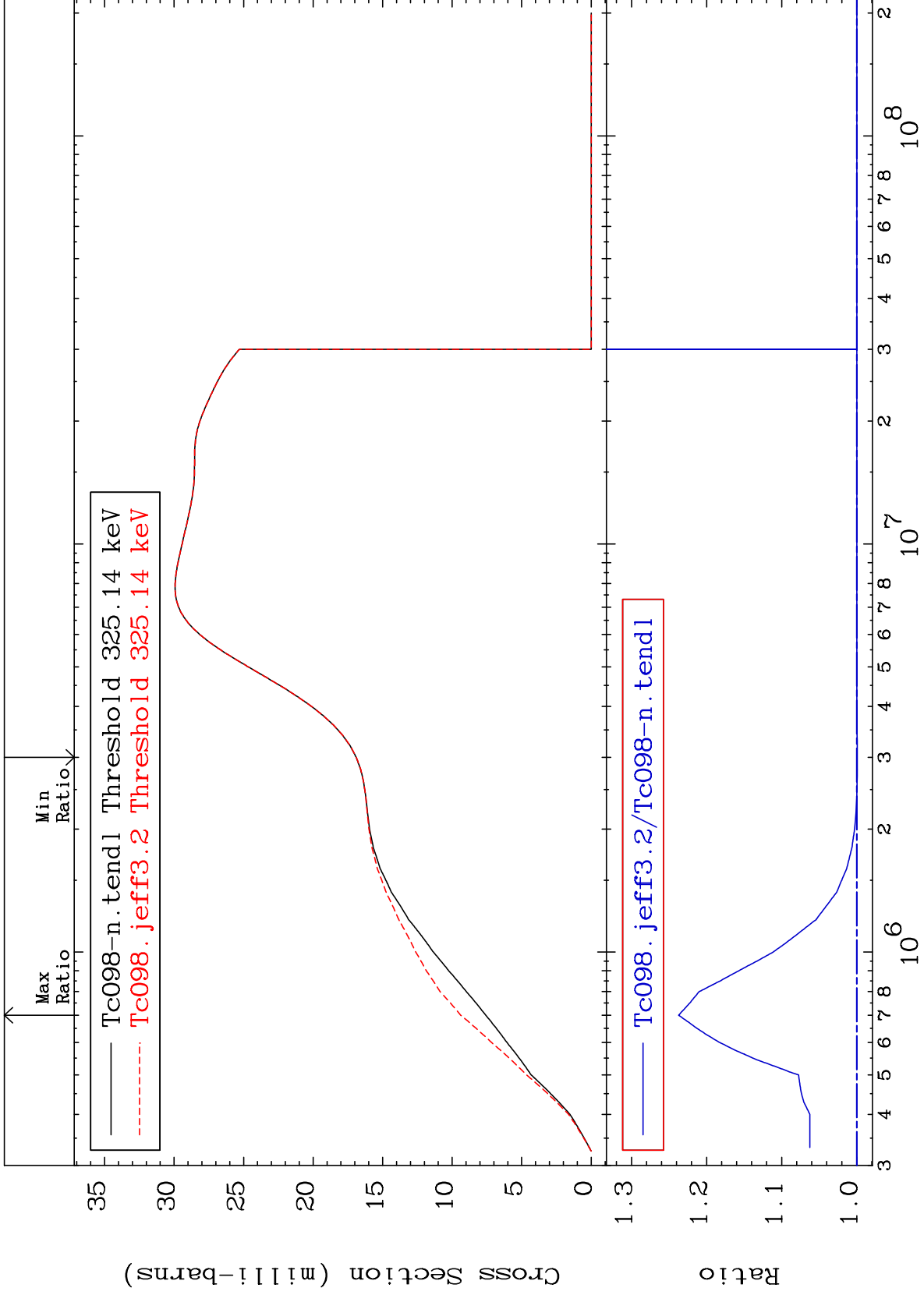
43-Tc-98
-17.13 To 0.000 %



MAT 4322

321.8 keV (n,n') Level
Cross Section

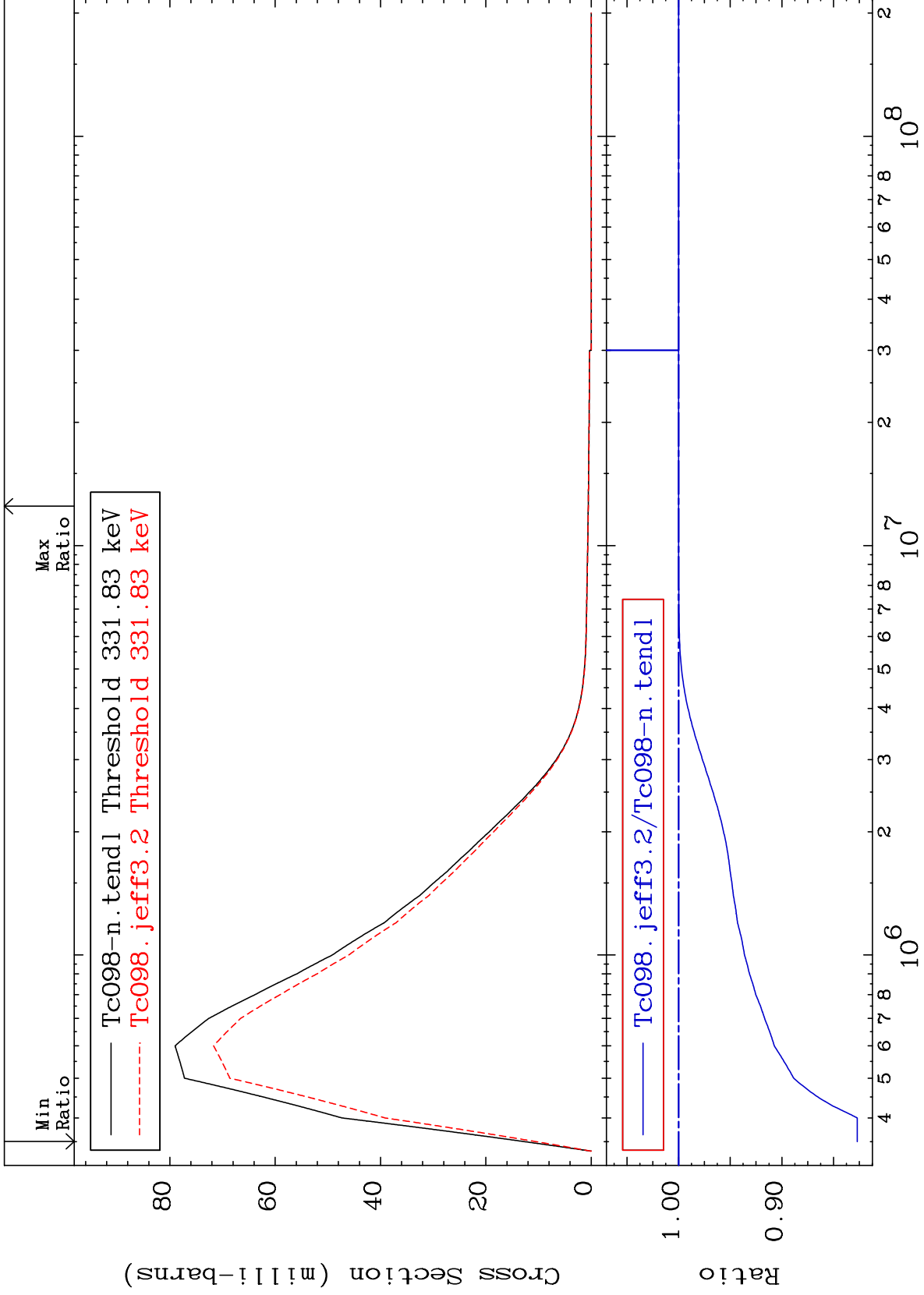
43-Tc-98
-0.063 To 23.72 %



MAT 4322

328.5 keV (n,n') Level
Cross Section

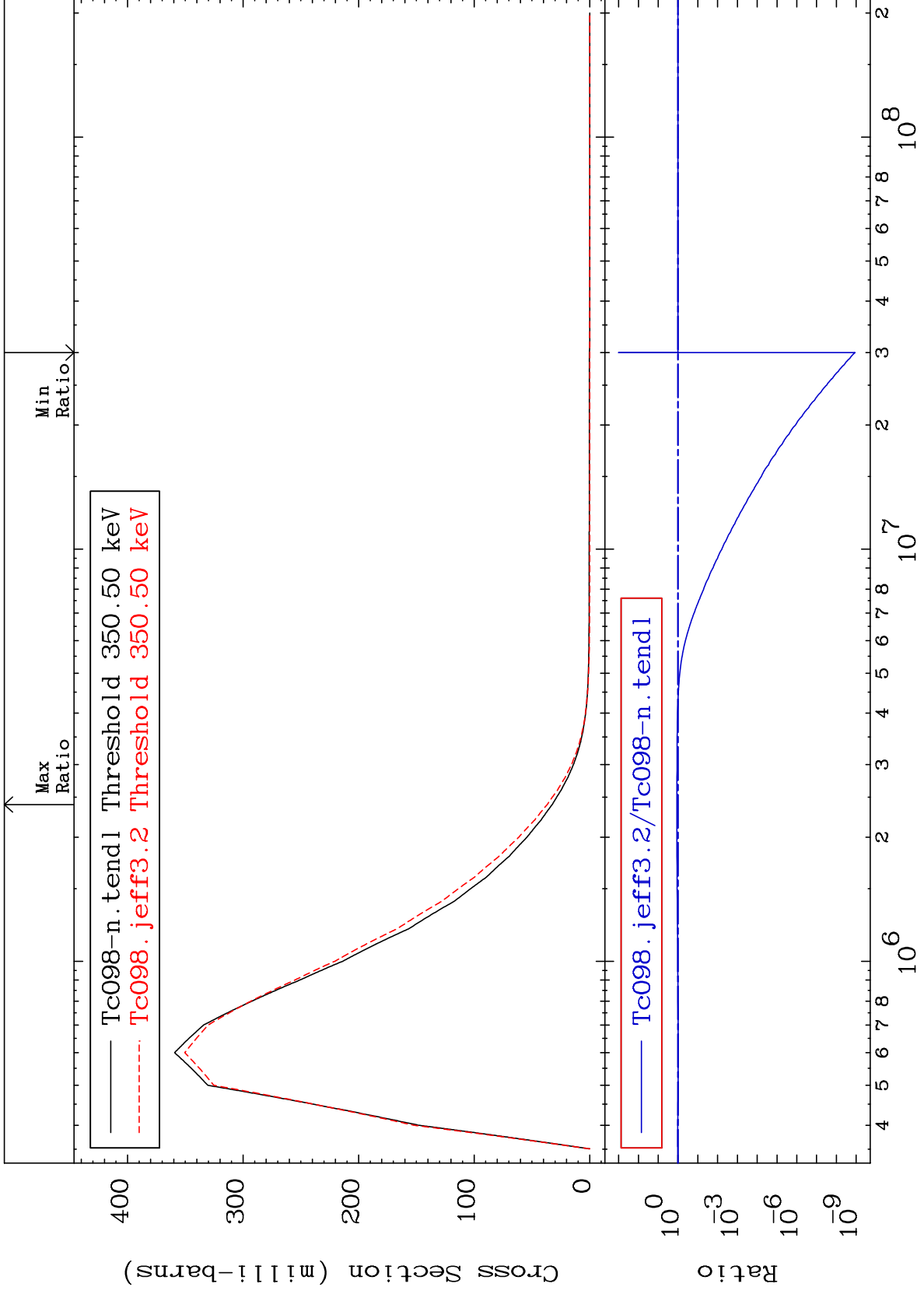
43-Tc-98
-17.30 To 0.000 %



MAT 4322

346.9 keV (n,n') Level
Cross Section

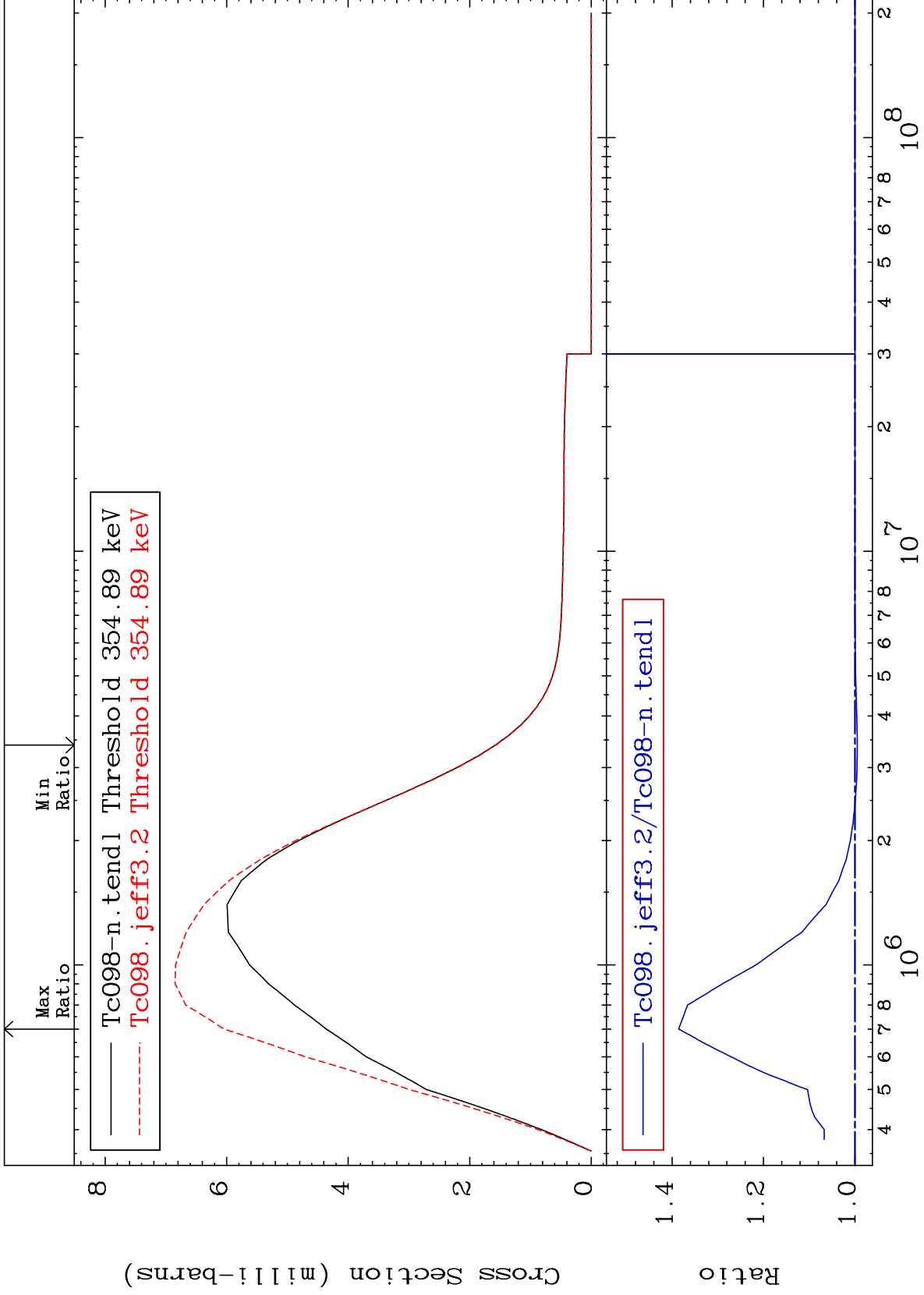
43-Tc-98
-100.0 To 13.27 %



MAT 4322

351.3 keV (n,n') Level
Cross Section

43-Tc-98
-0.510 To 38.57 %



37

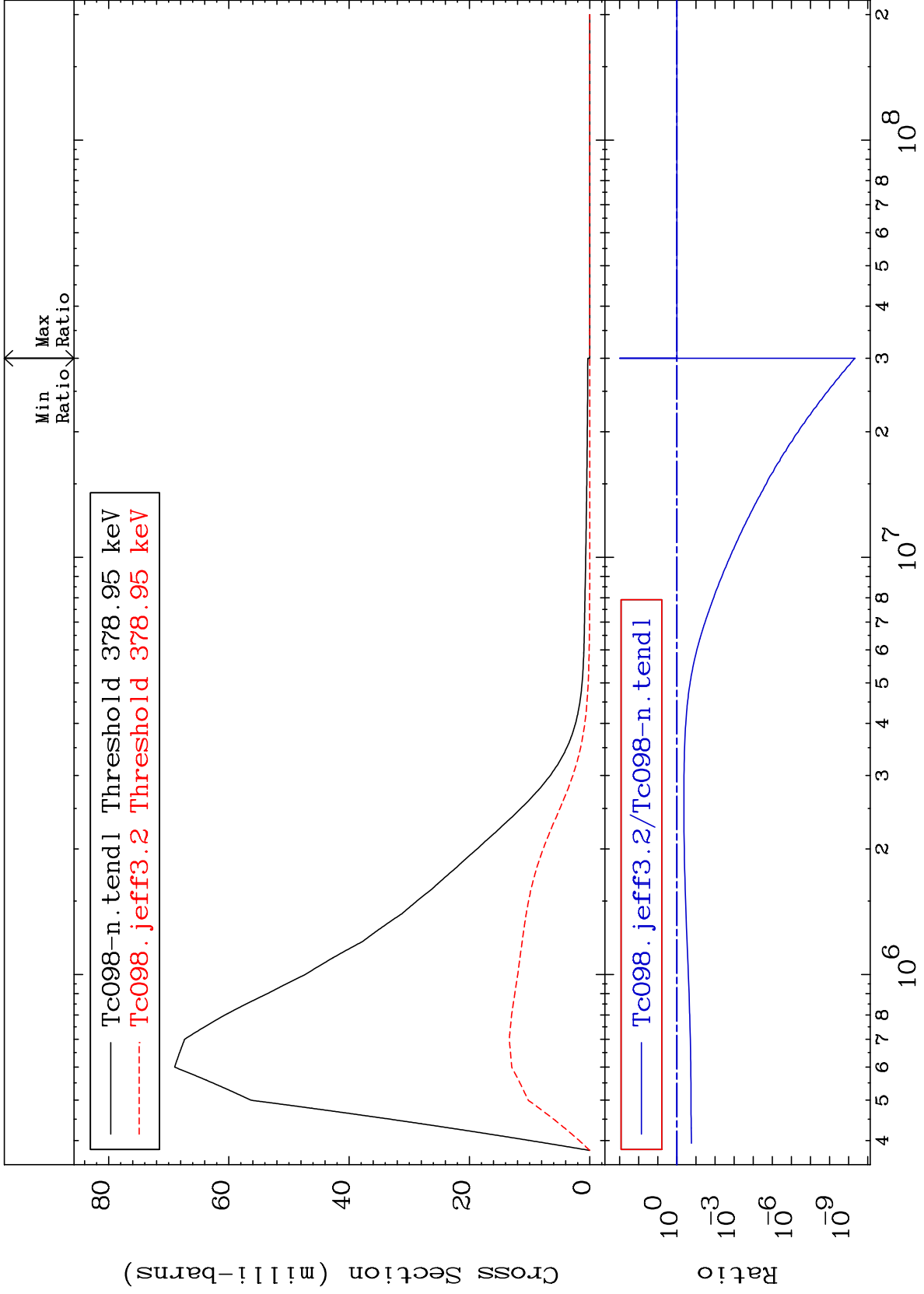
Incident Energy (eV)

43-Tc-98

MAT 4322

375.1 keV (n,n') Level
Cross Section

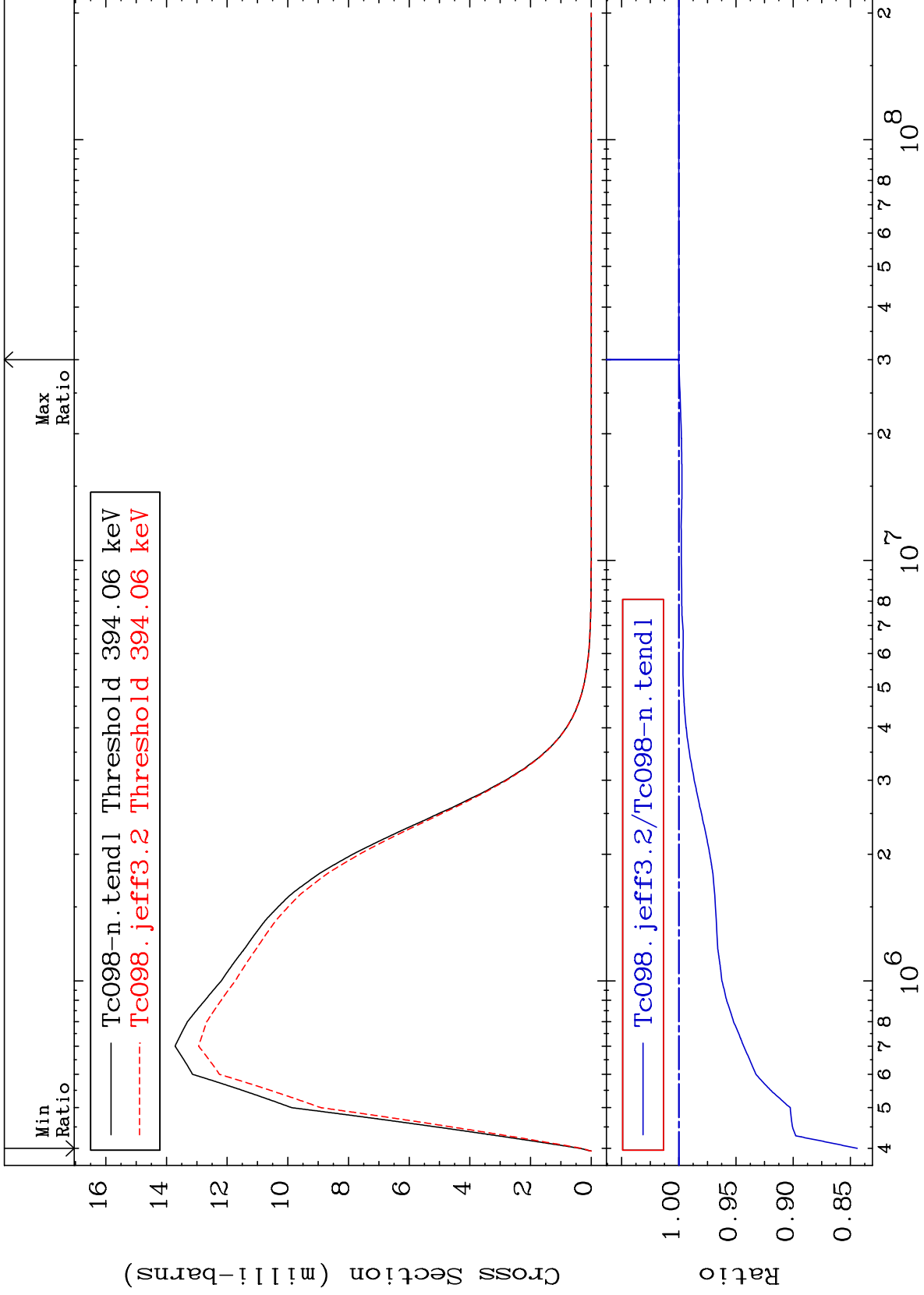
43-Tc-98
-100.0 To 0.000 %



MAT 4322

390.0 keV (n,n') Level
Cross Section

43-Tc-98
-15.60 To 0.017 %



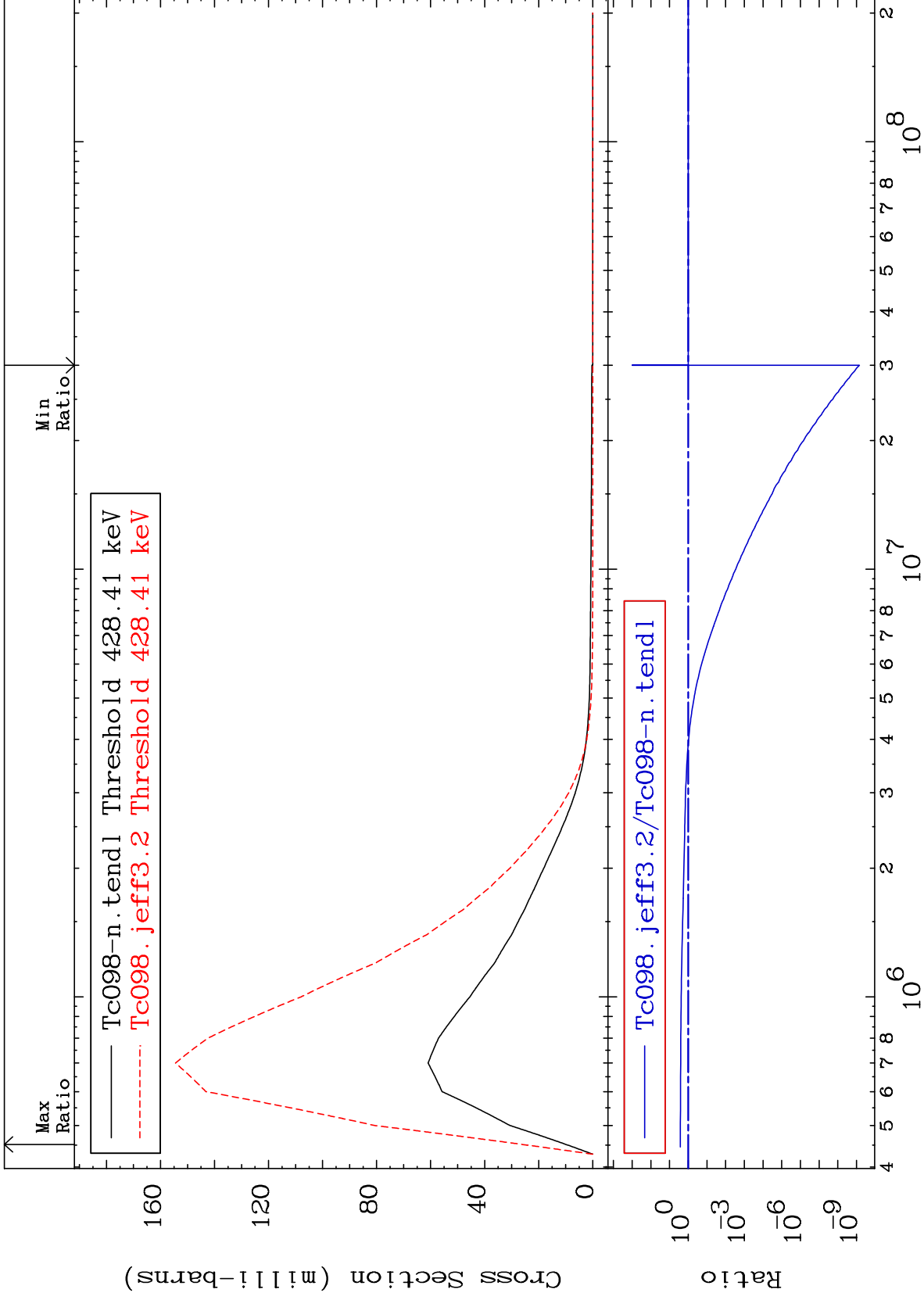
39

43-Tc-98

MAT 4322

424.0 keV (n,n') Level
Cross Section

43-Tc-98
-100.0 To 163.1 %



40

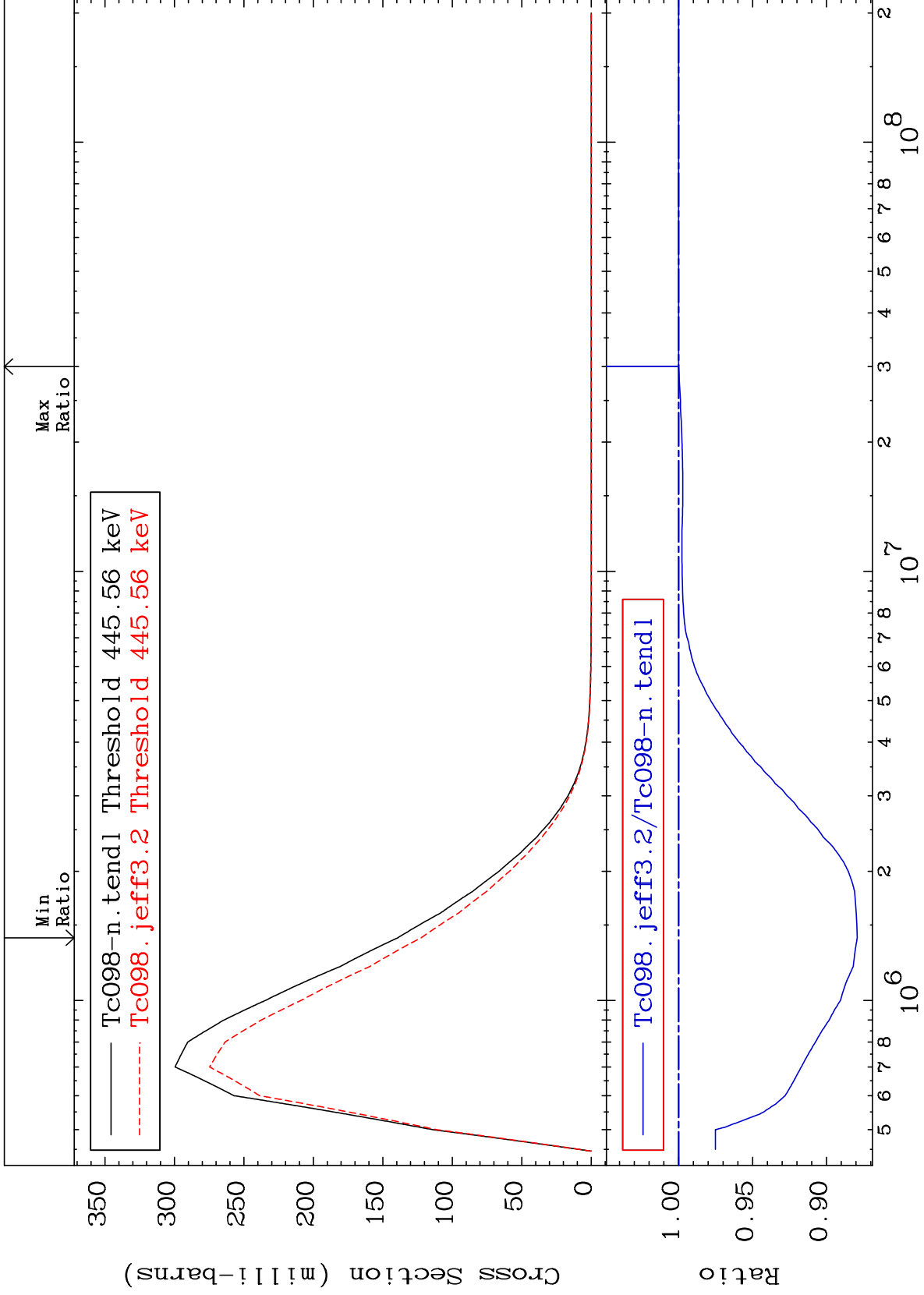
Incident Energy (eV)

43-Tc-98

MAT 4322

441.0 keV (n,n') Level
Cross Section

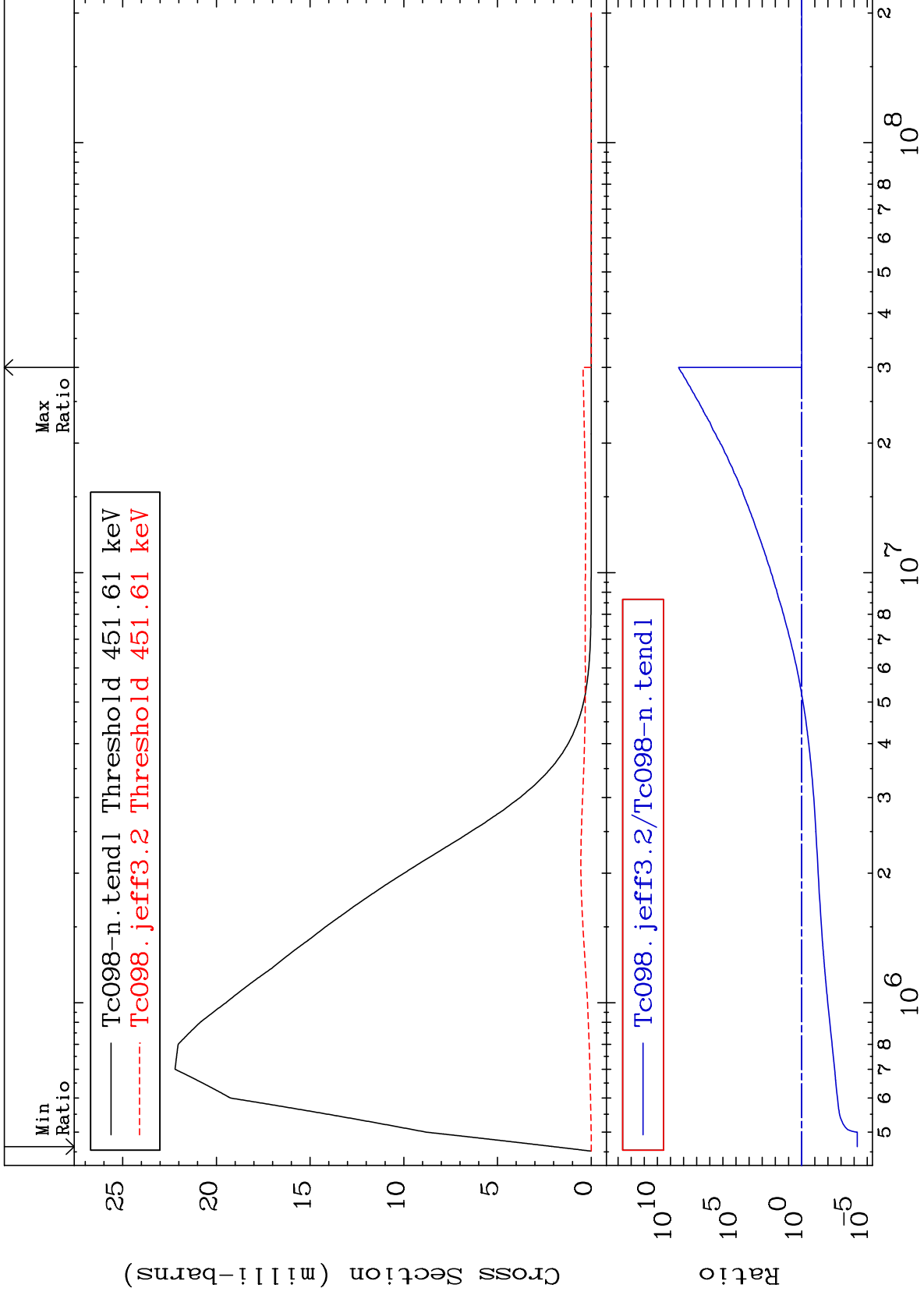
43-Tc-98
-12.08 To 0.000 %



MAT 4322

447.0 keV (n,n') Level
Cross Section

43-Tc-98
-99.99 To 9999. %



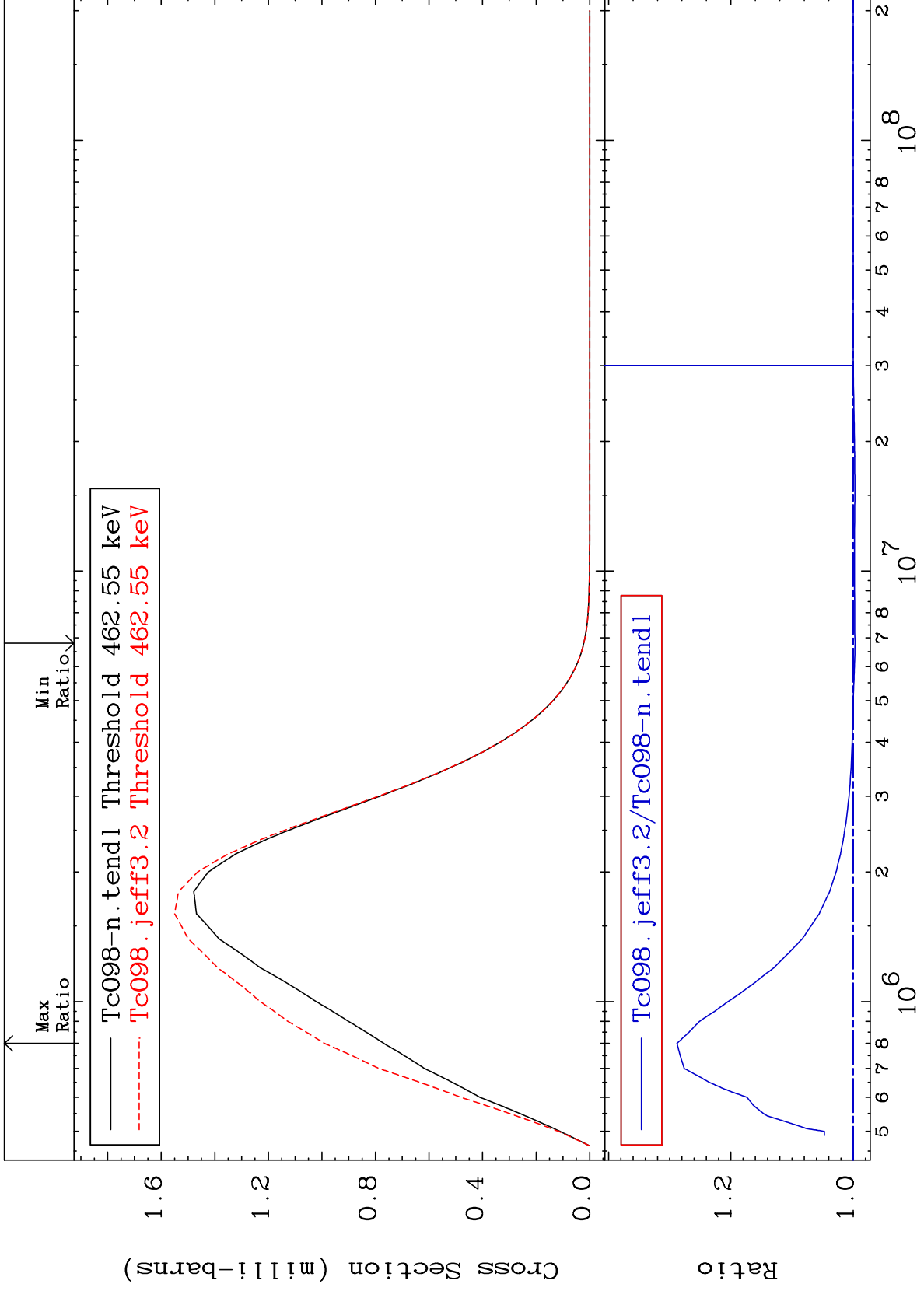
42

43-Tc-98

MAT 4322

457.8 keV (n,n') Level
Cross Section

43-Tc-98
-0.315 To 28.82 %



43

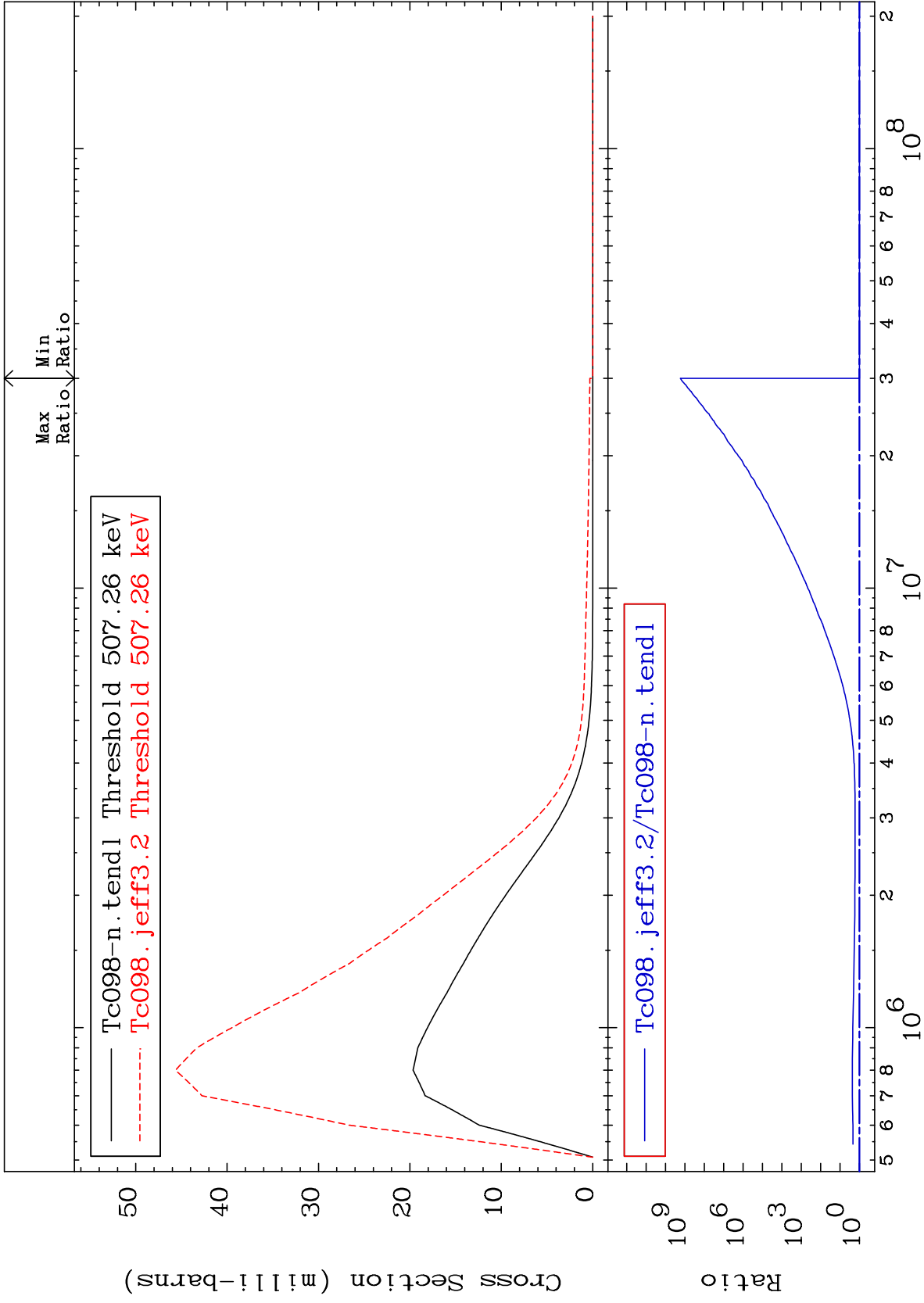
Incident Energy (eV)

43-Tc-98

MAT 4322

502.1 keV (n,n') Level
Cross Section

0.000 To 9999. %
43-Tc-98



45

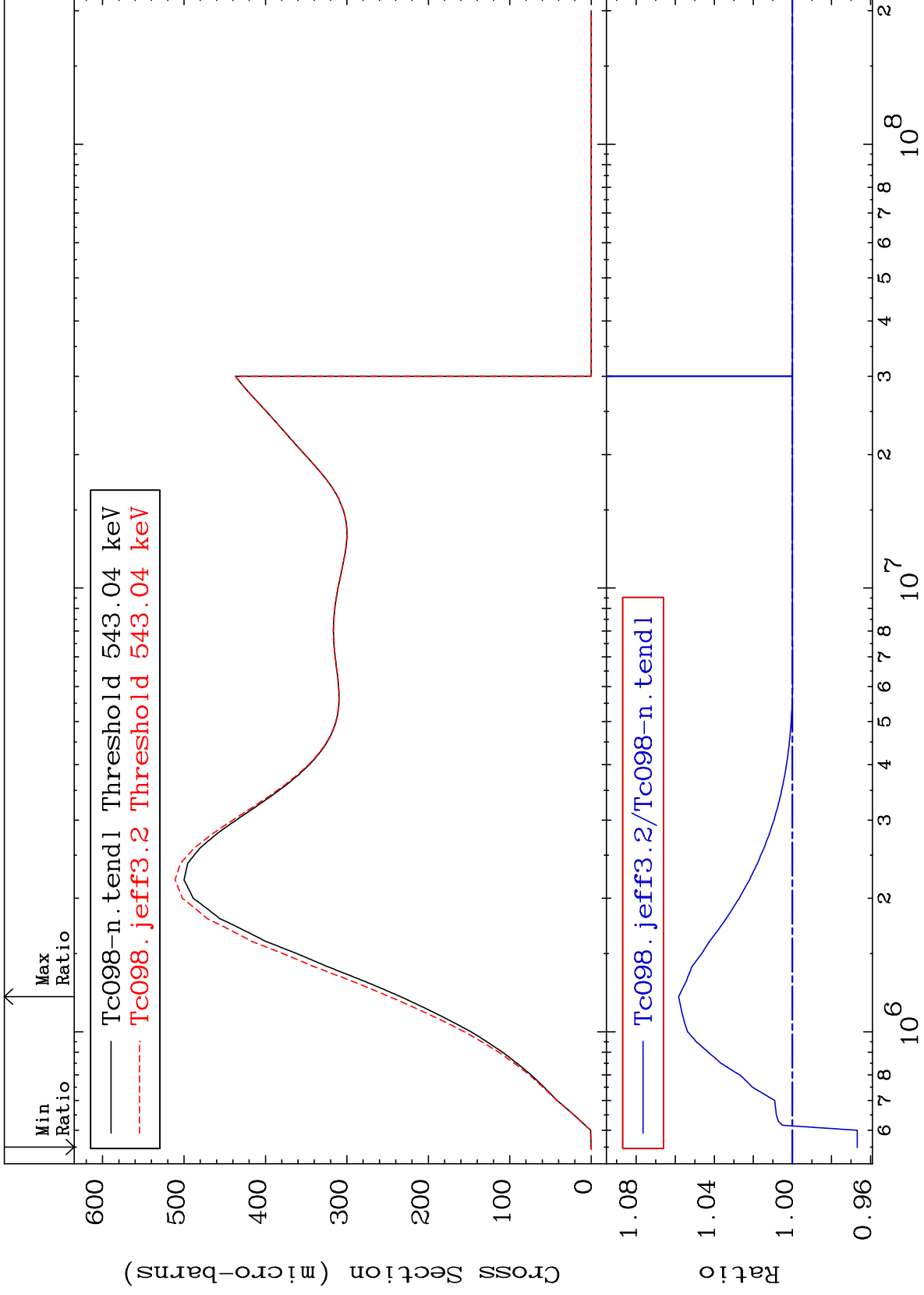
Incident Energy (eV)

43-Tc-98

MAT 4322

537.5 keV (n,n') Level
Cross Section

43-Tc-98
-3.323 To 5.827 %



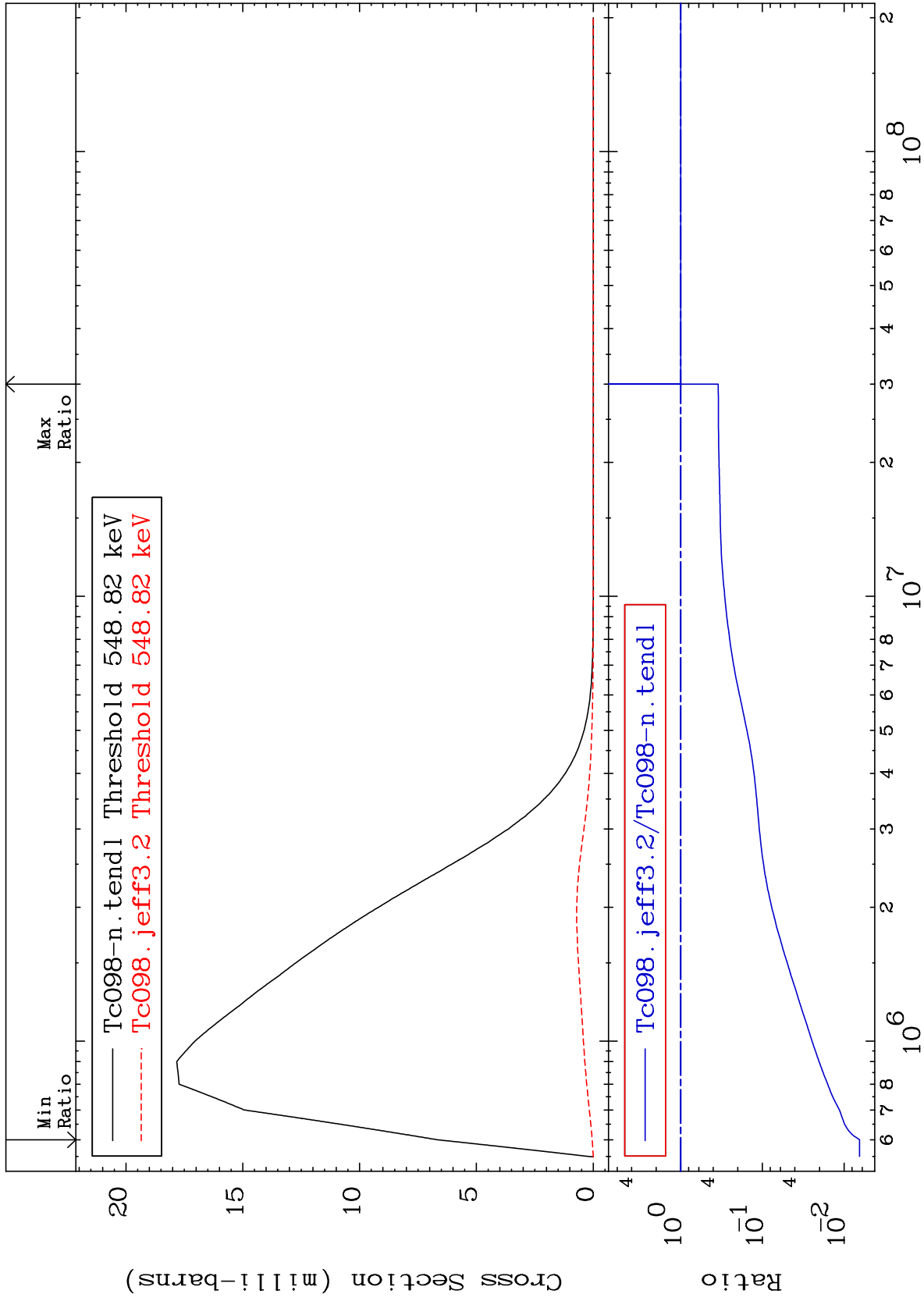
MAT 4322

543.2 keV (n,n') Level

43-Tc-98

Cross Section

-99.35 To 0.000 %



47

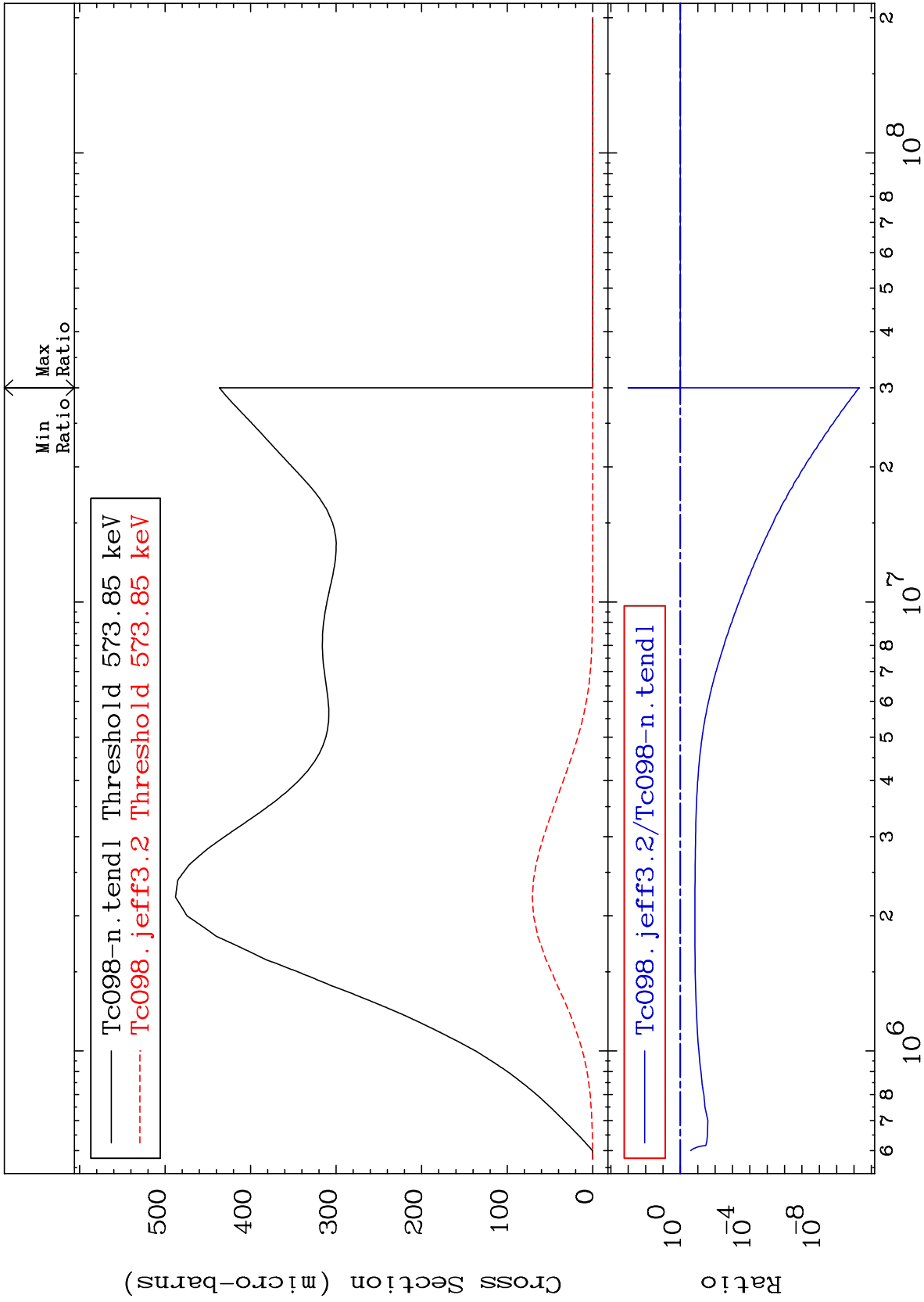
Incident Energy (eV)

43-Tc-98

MAT 4322

568.0 keV (n,n') Level
Cross Section

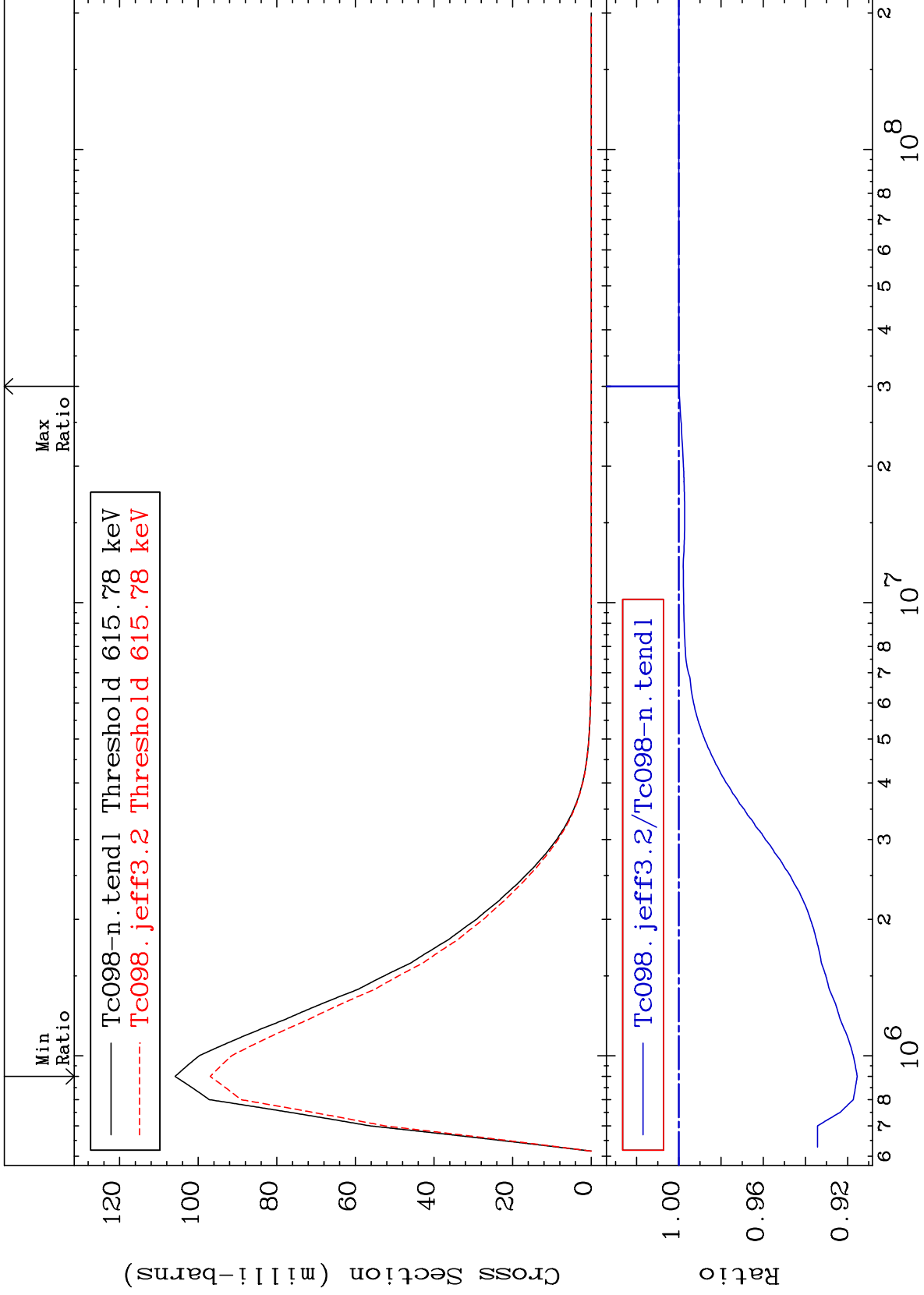
43-Tc-98
-100.0 To 0.000 %



MAT 4322

609.5 keV (n,n') Level
Cross Section

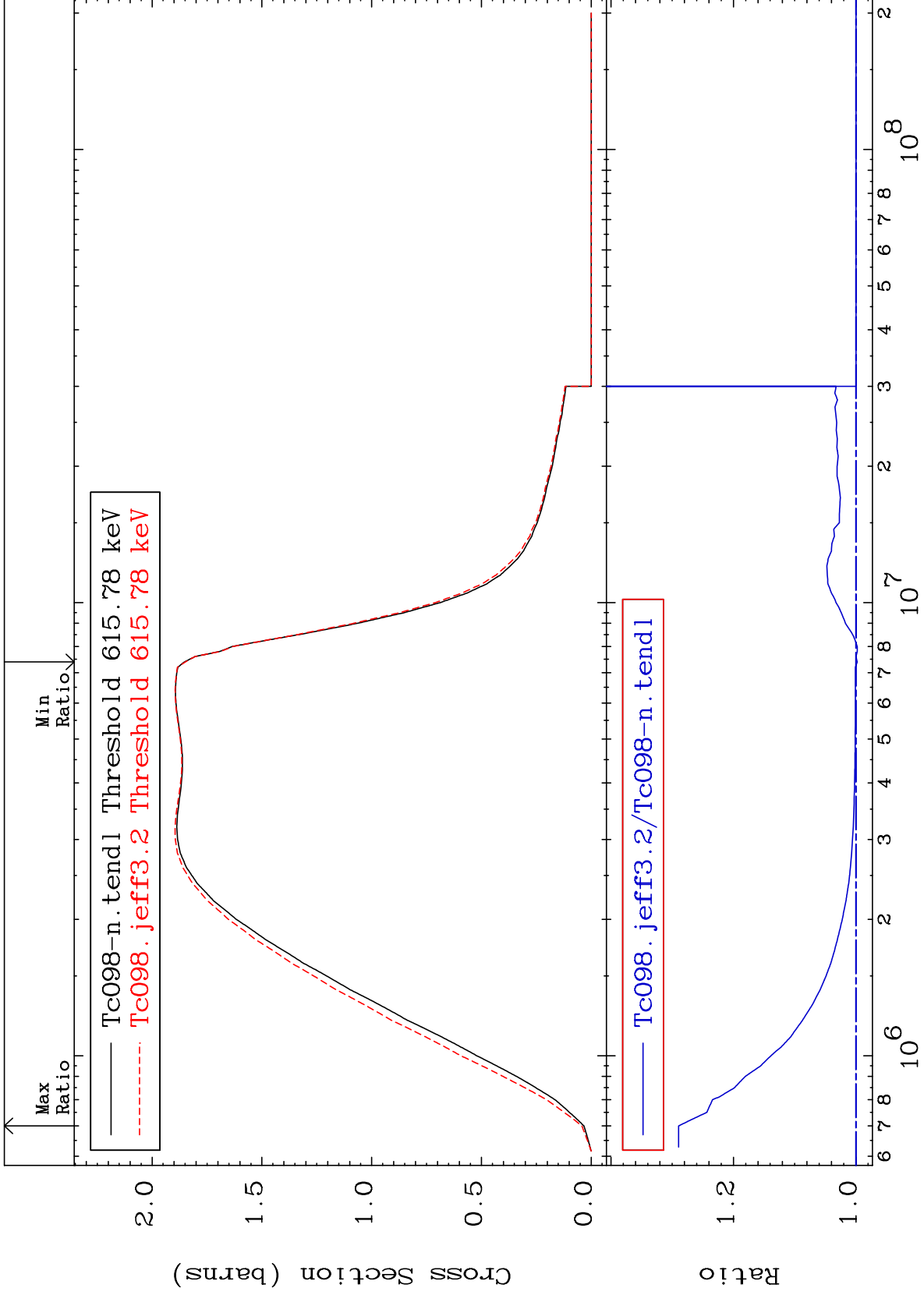
43-Tc-98
-8.454 To 0.009 %

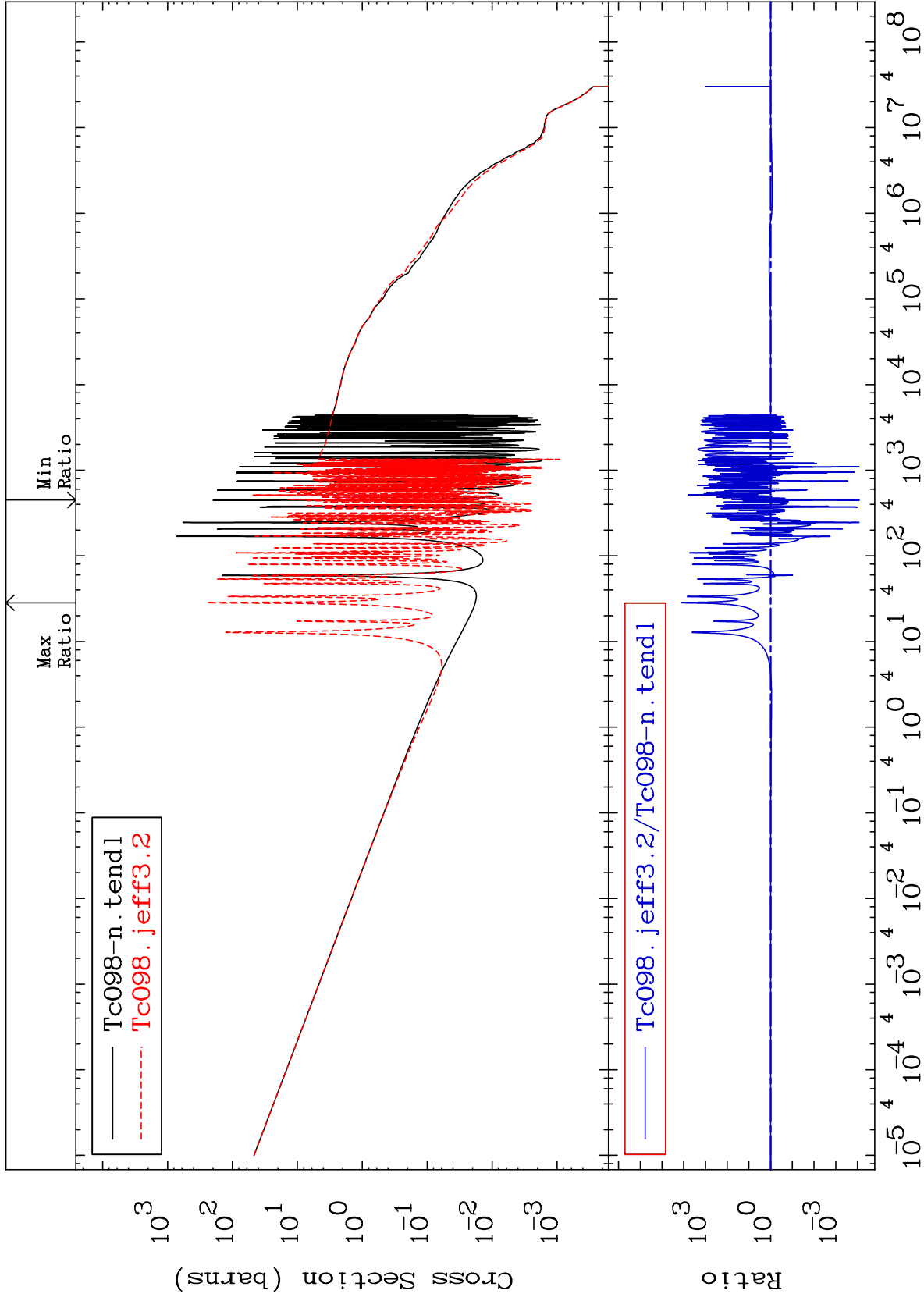


MAT 4322

(n, n') Continuum
Cross Section

43-Tc-98
-0.220 To 28.95 %

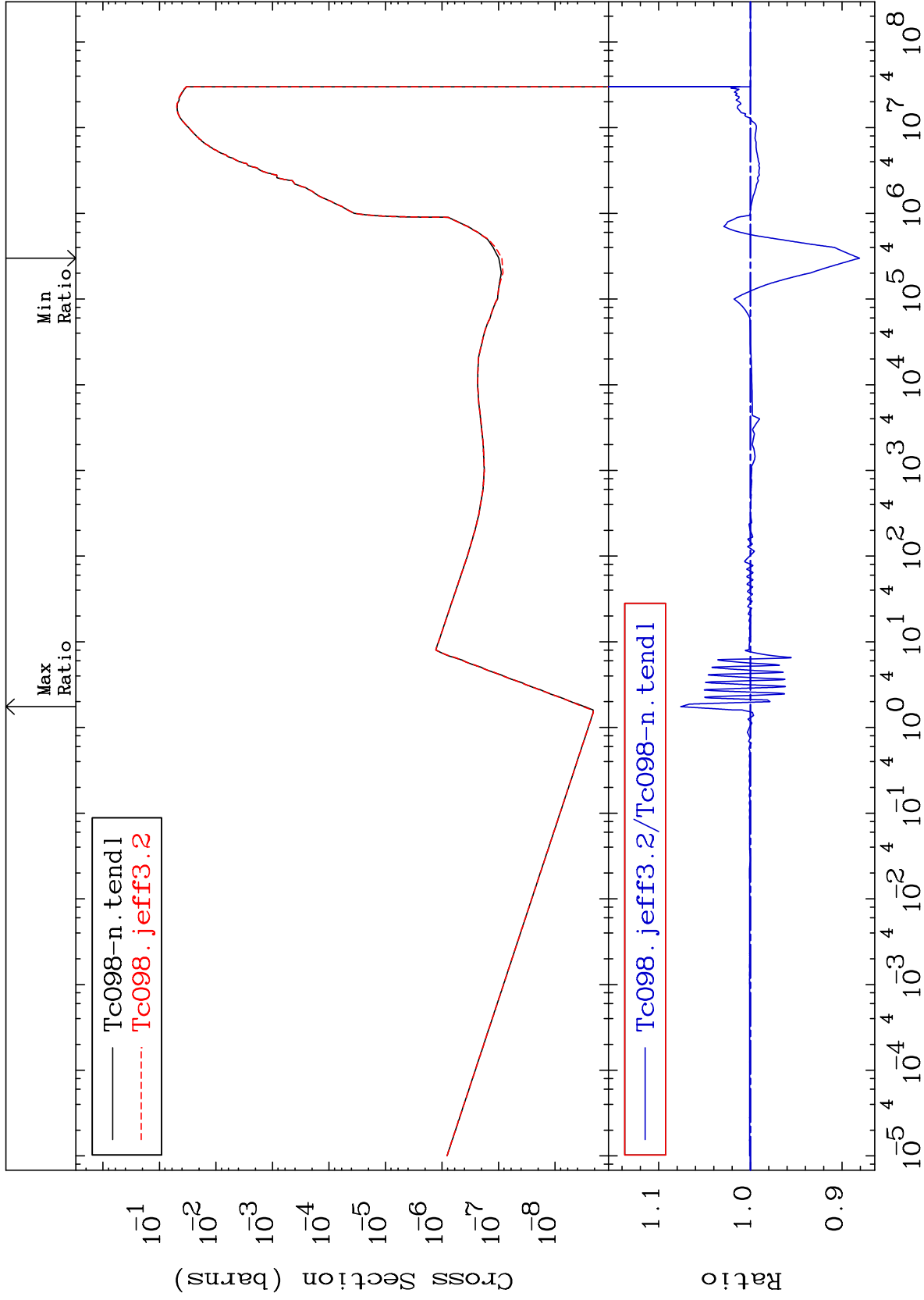




MAT 4322

43-Tc-98

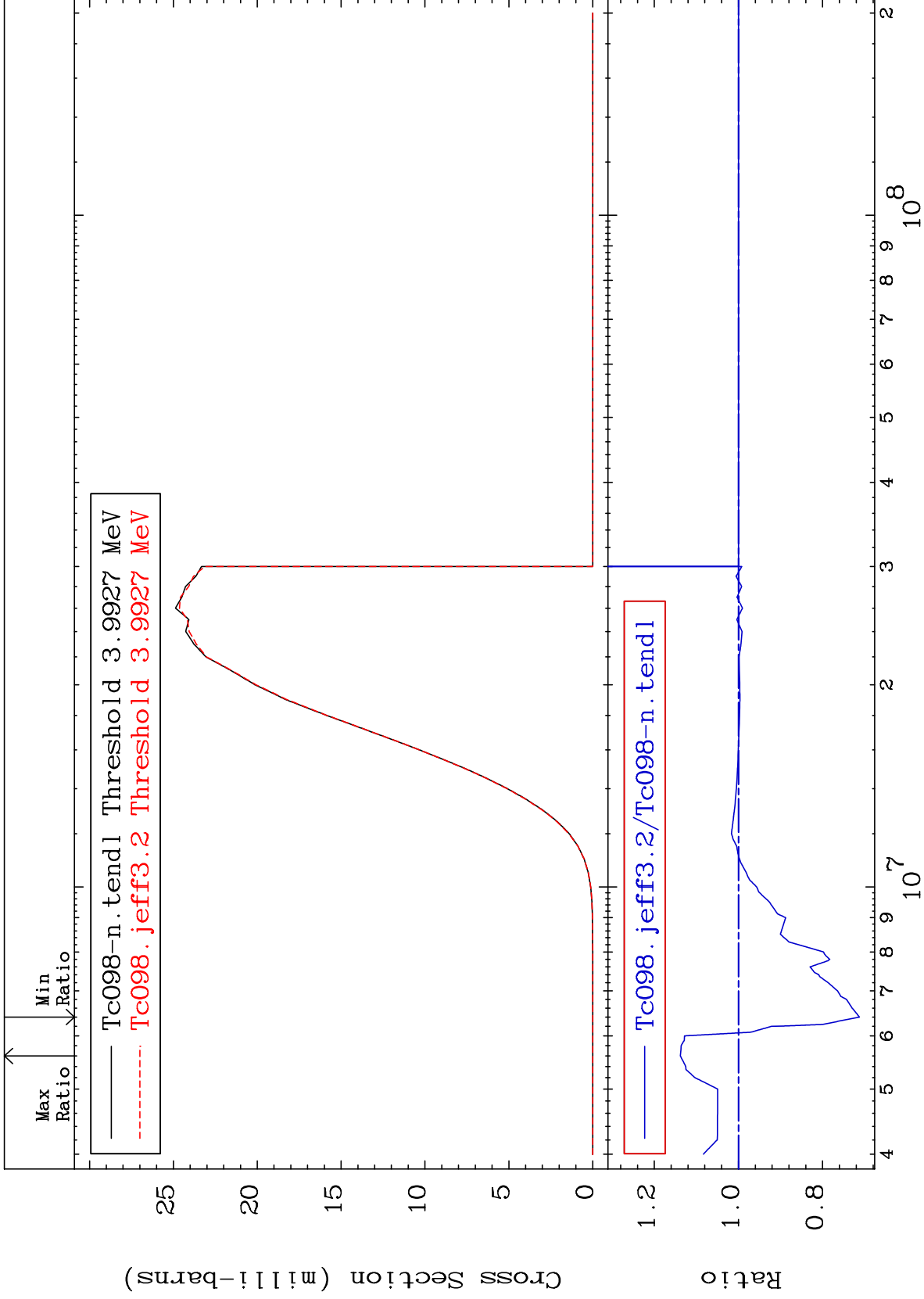
(n,p)
Cross Section
-11.90 To 7.599 %



43-Tc-98

Incident Energy (eV)

52



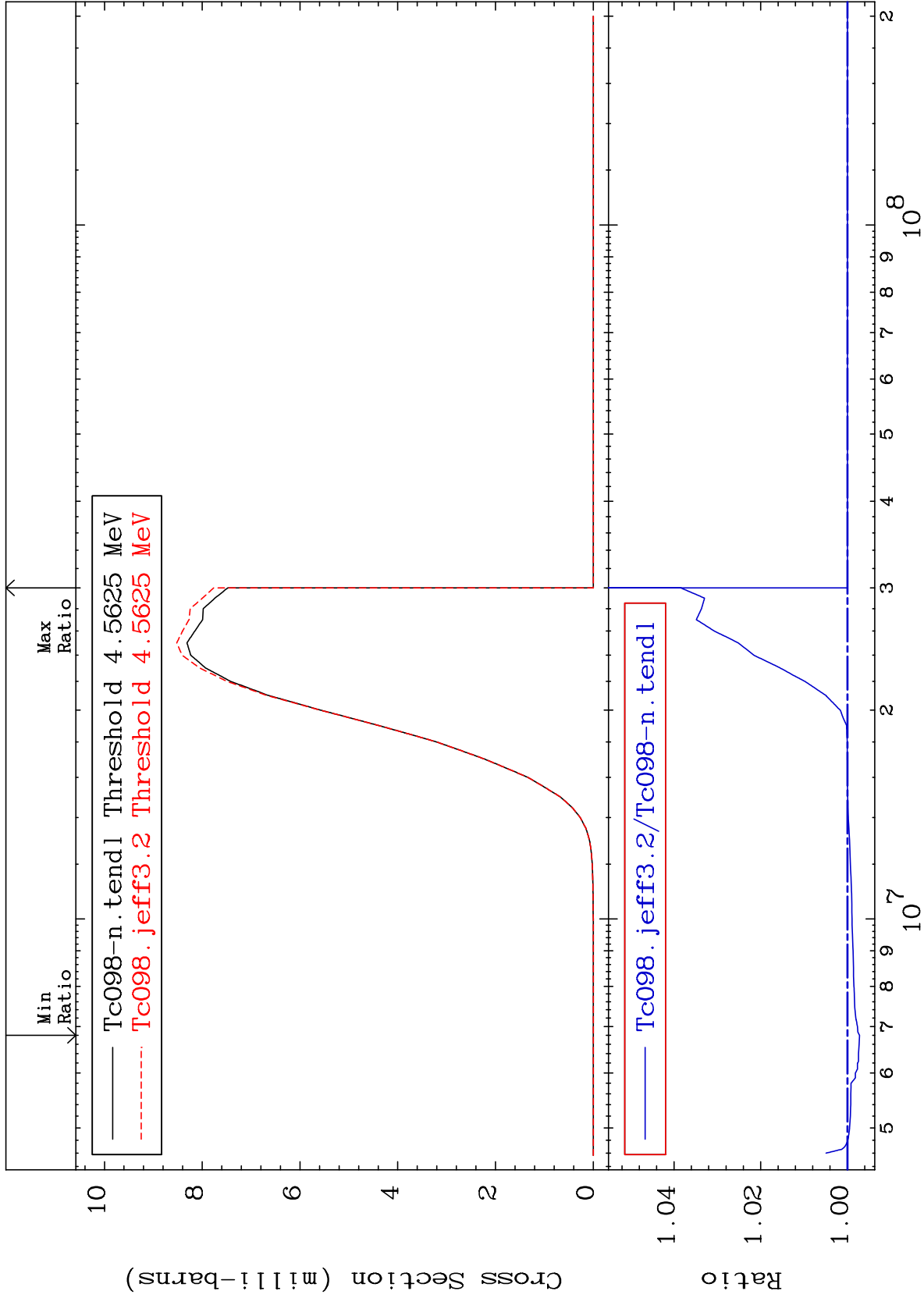
MAT 4322

(n, t)

43-Tc-98

Cross Section

-0.280 To 3.844 %



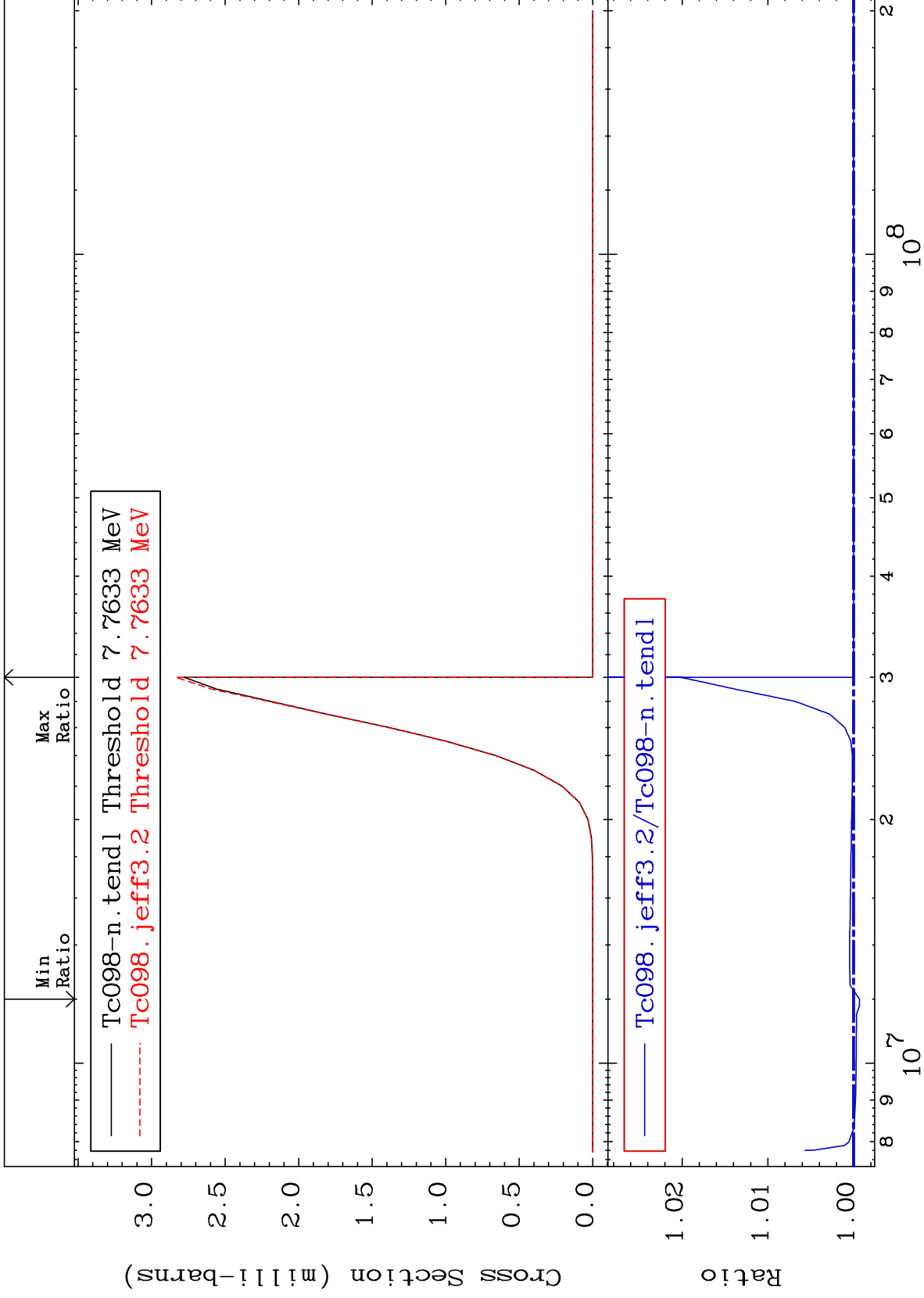
MAT 4322

(n, He-3)

43-Tc-98

Cross Section

-0.067 To 2.021 %



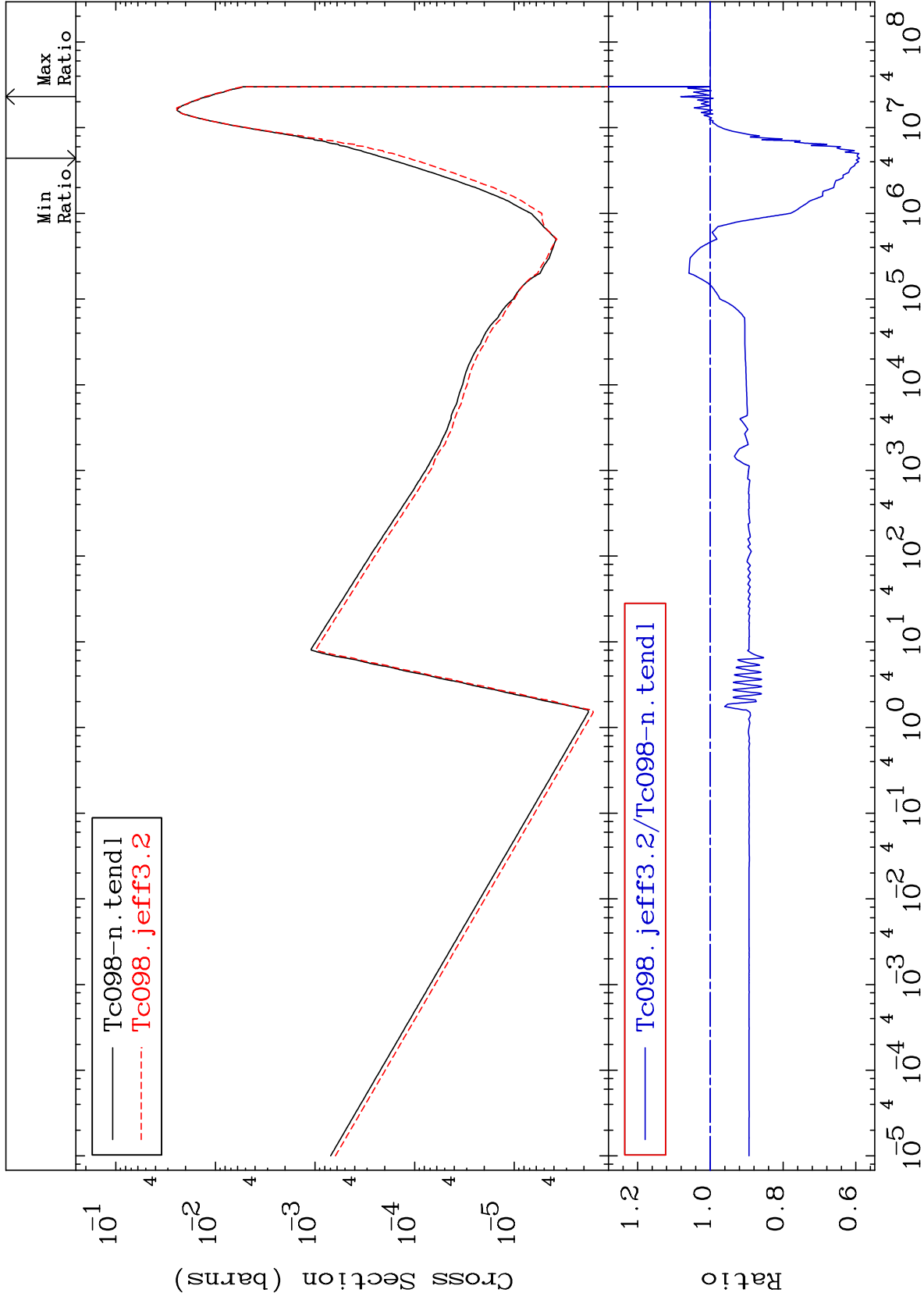
MAT 4322

(n, α)

43-Tc-98

Cross Section

-41.00 To 8.125 %



56

Incident Energy (eV)

43-Tc-98

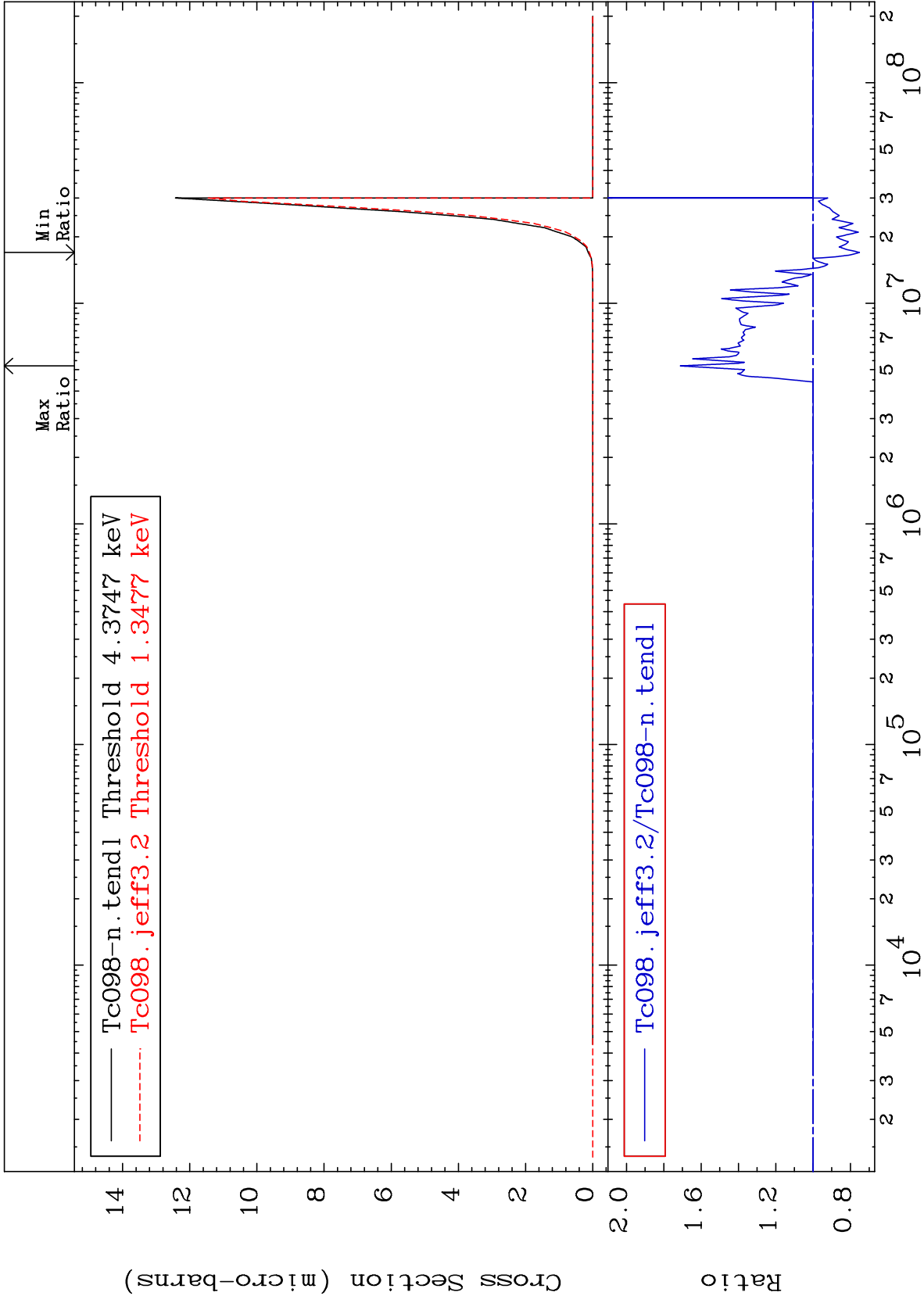
MAT 4322

(n,2α)

43-Tc-98

Cross Section

-24.80 To 71.11 %



57

Incident Energy (eV)

43-Tc-98

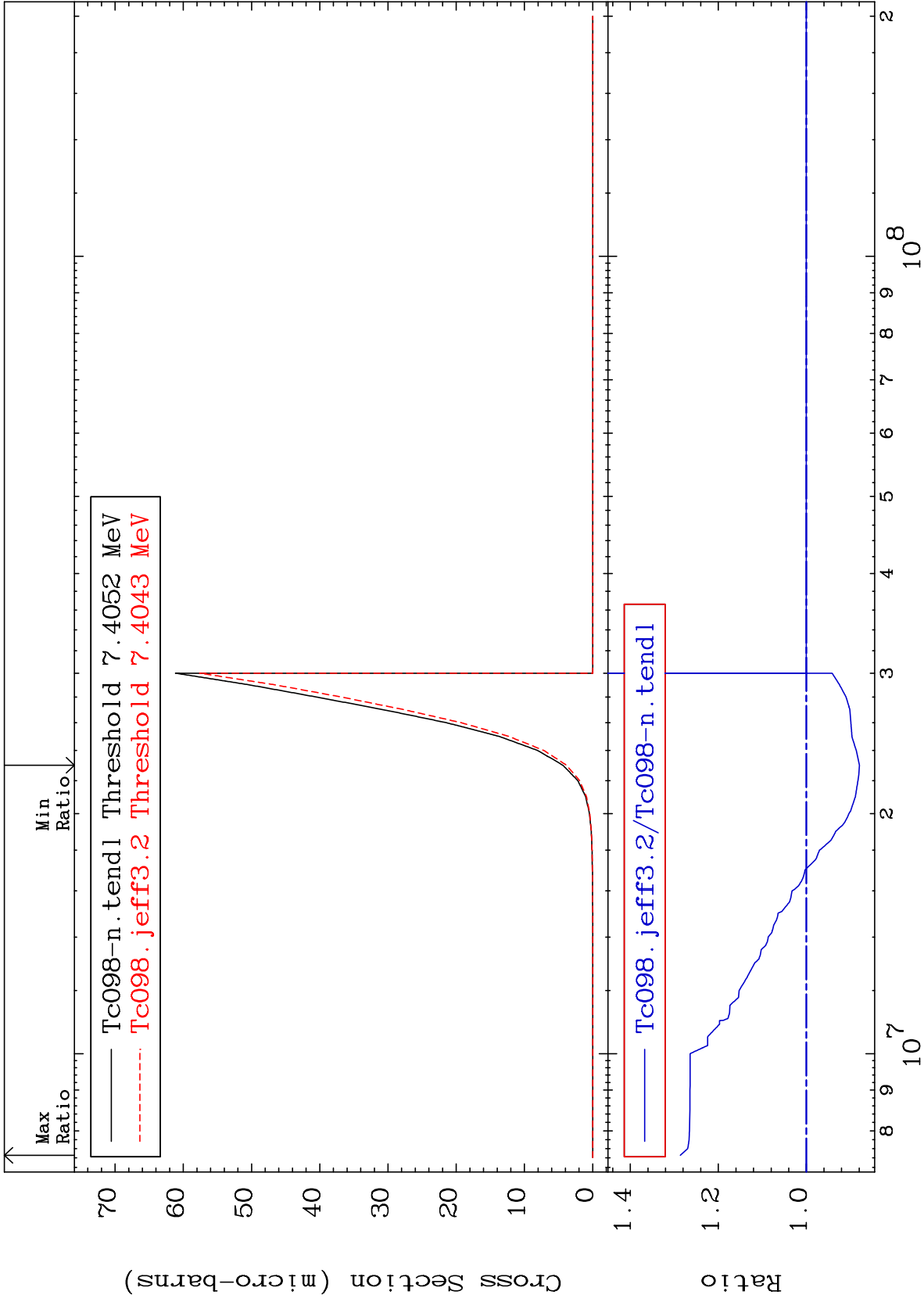
MAT 4322

(n,2p)

⁴³Tc-98

Cross Section

-12.06 To 28.63 %



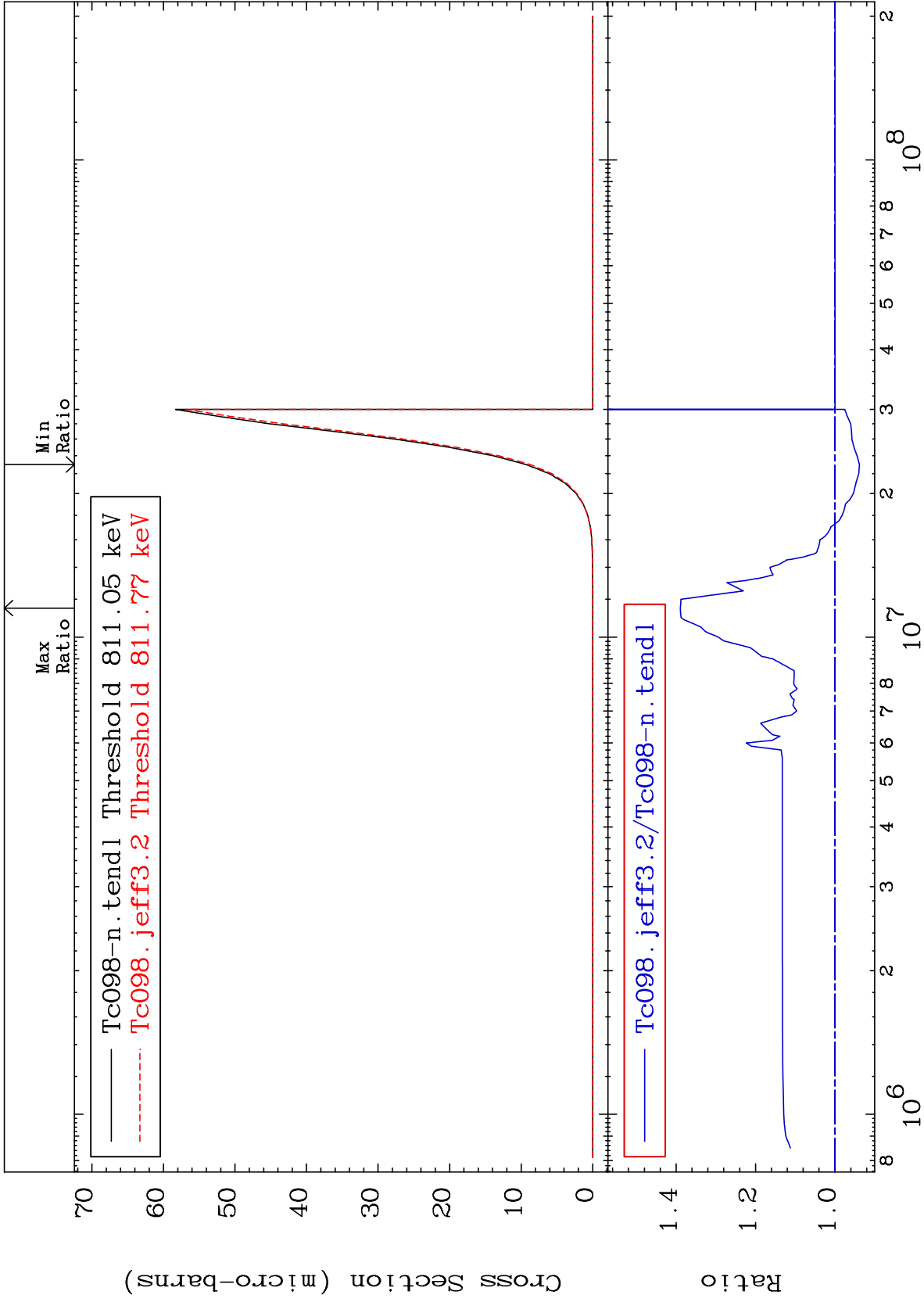
MAT 4322

(n, p) α

⁴³Tc-98

-6.164 To 38.94 %

Cross Section



59

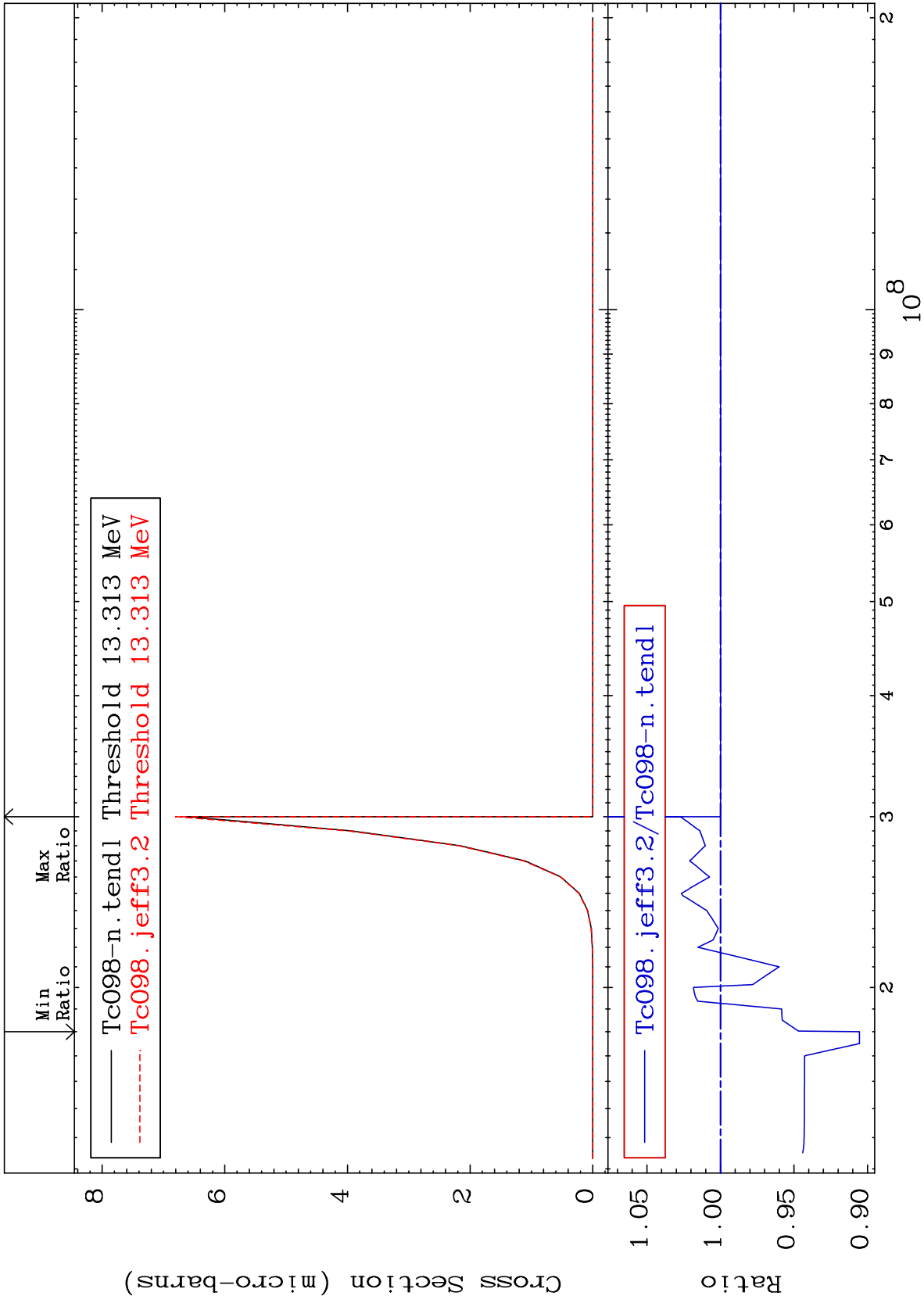
Incident Energy (eV)

⁴³Tc-98

MAT 4322

(n, p) d
Cross Section

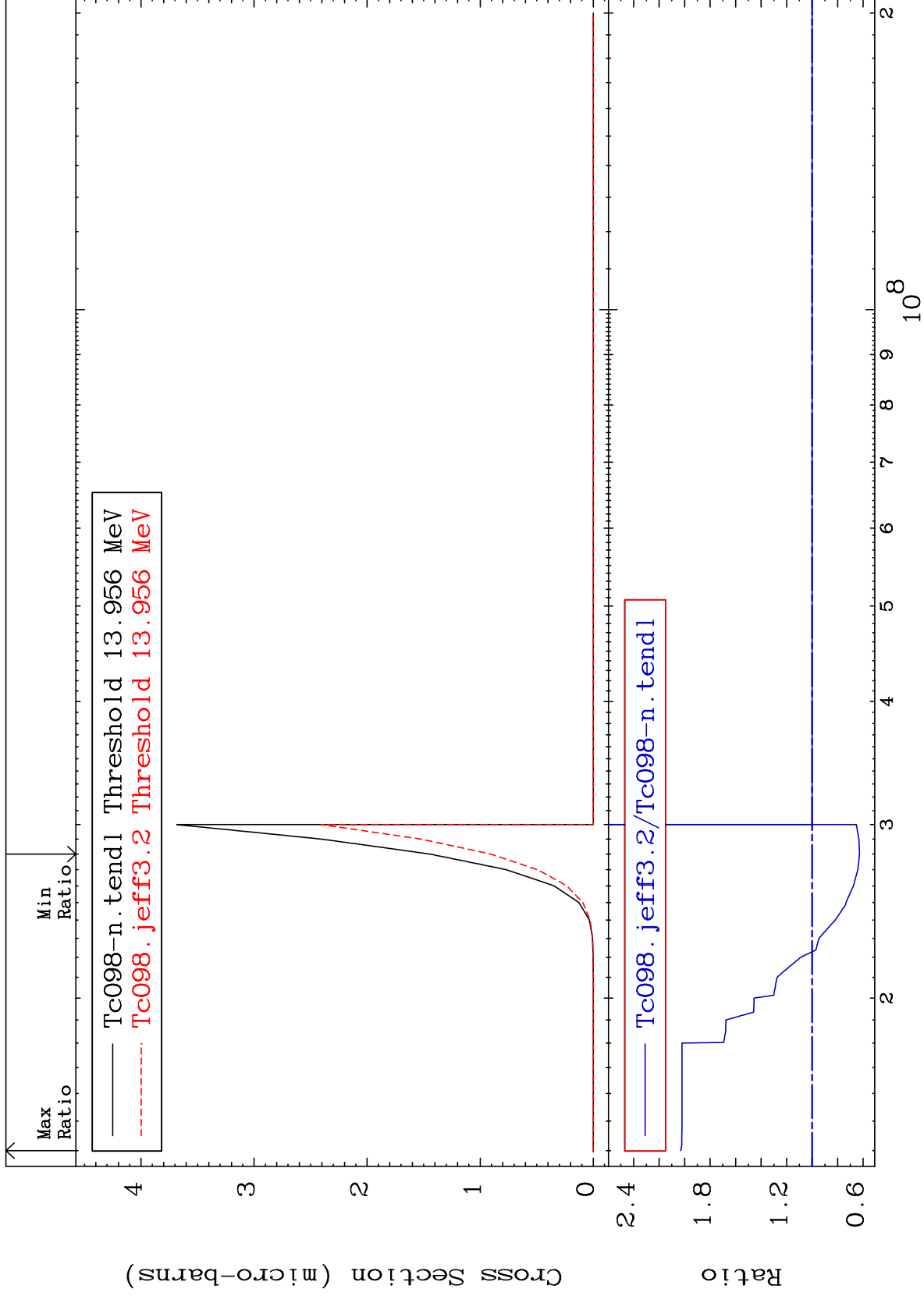
43-Tc-98
-9.448 To 2.726 %



MAT 4322

(n,p) t
Cross Section

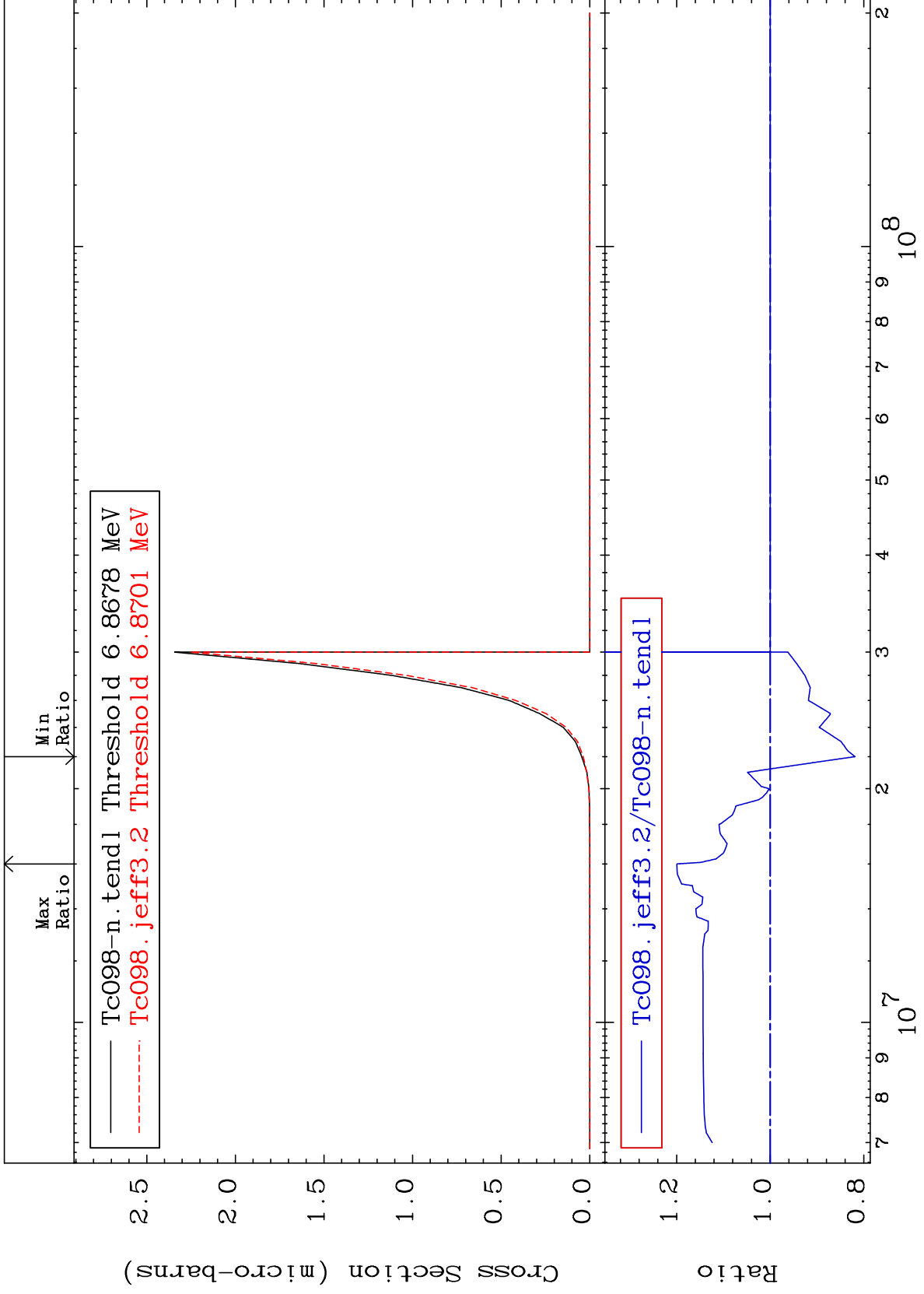
43-Tc-98
-37.17 To 103.0 %



MAT 4322

(n, d) α
Cross Section

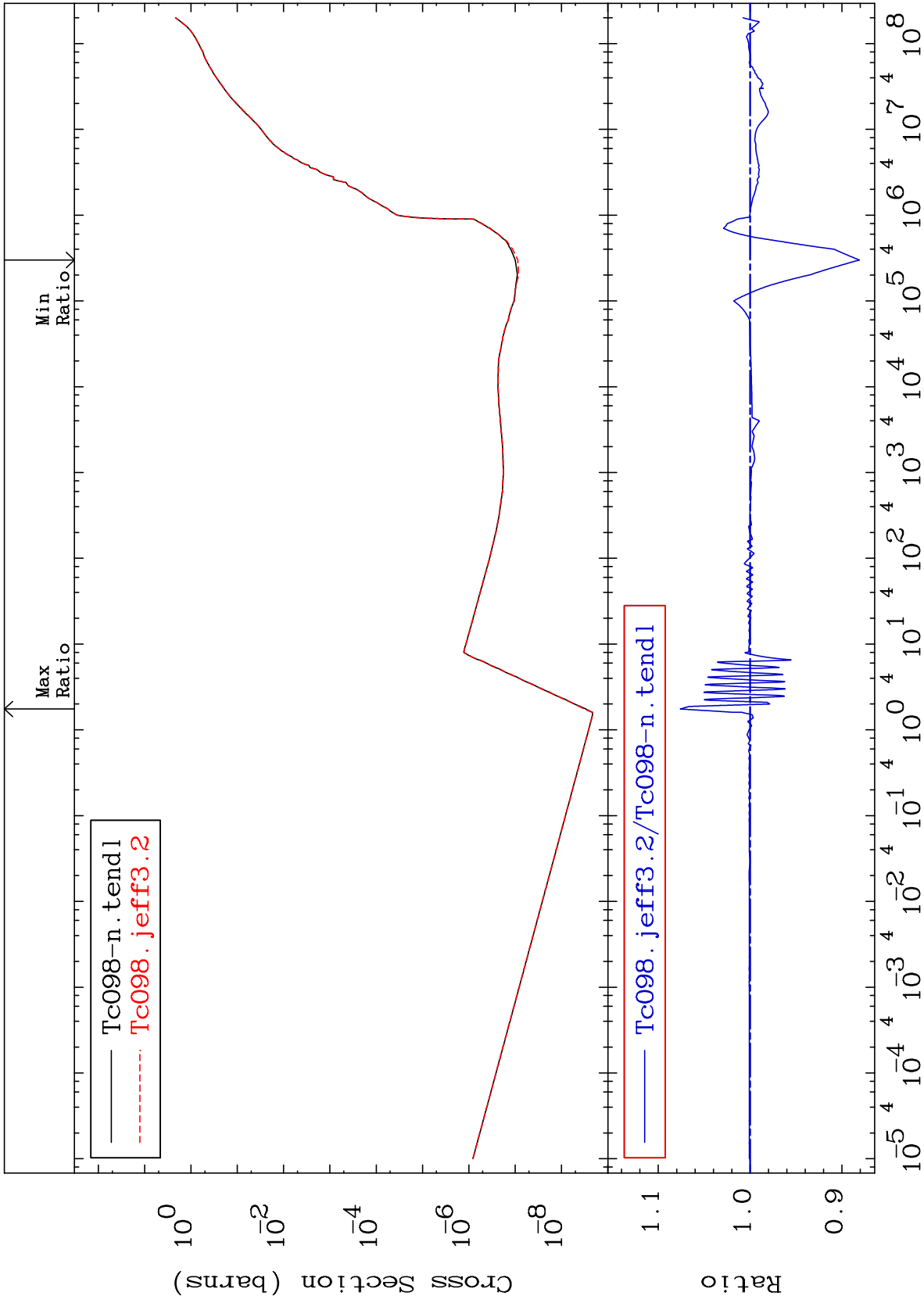
43-Tc-98
-18.13 To 19.93 %



MAT 4322

Hydrogen Production
Cross Section

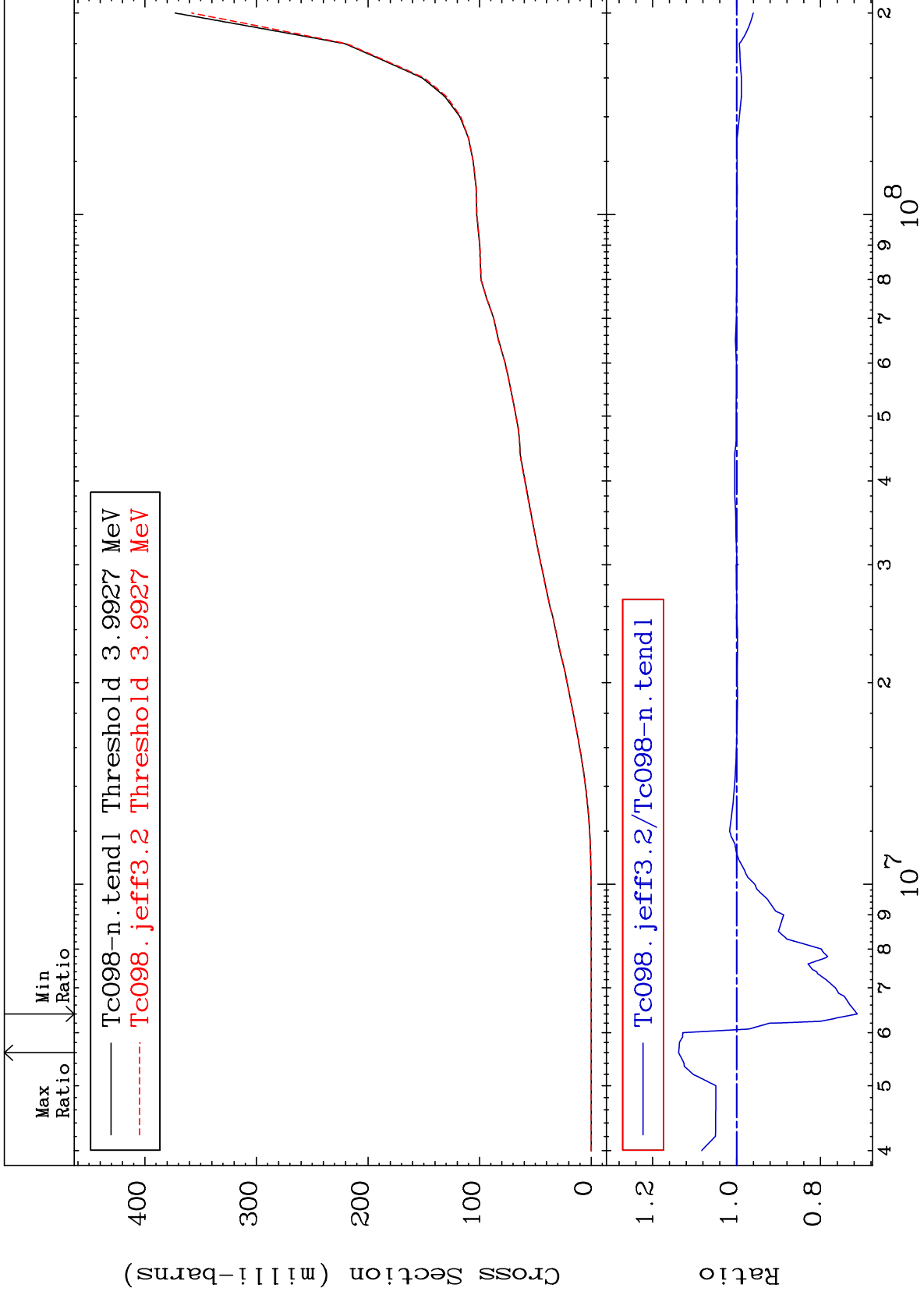
43-Tc-98
-11.90 To 7.599 %



MAT 4322

Deuterium Production
Cross Section

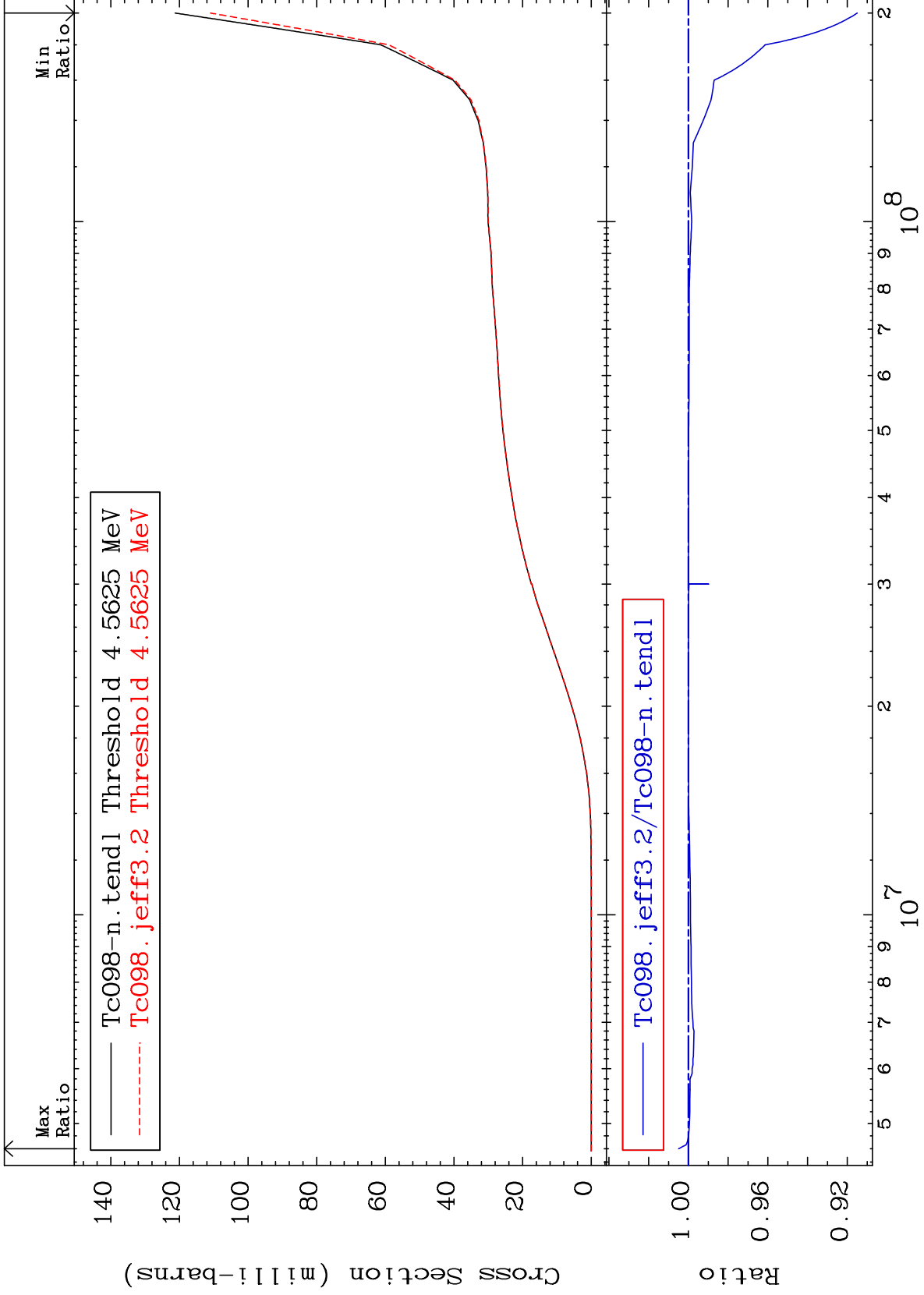
43-Tc-98
-28.75 To 13.81 %



MAT 4322

Tritium Production
Cross Section

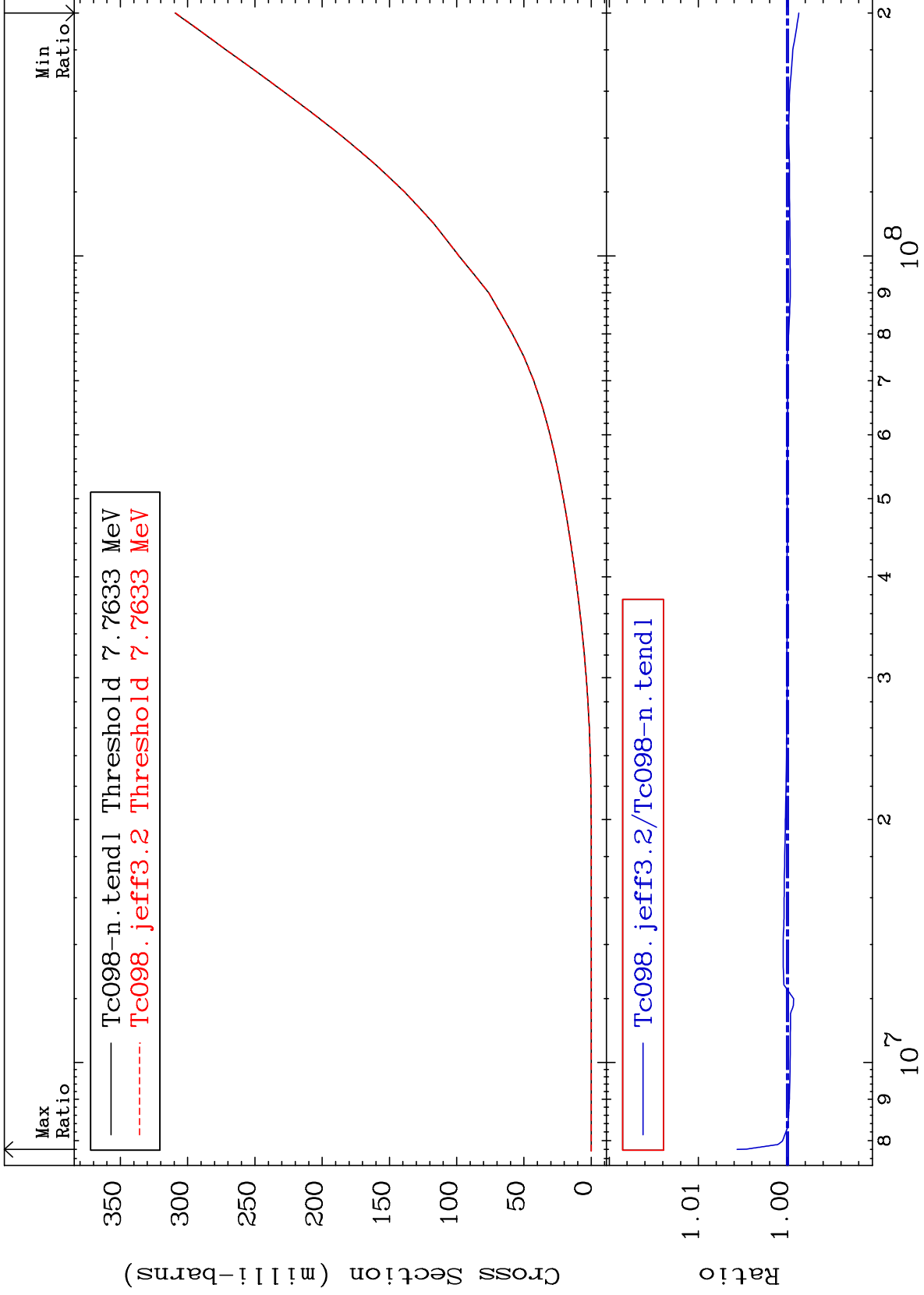
43-Tc-98
-8.499 To 0.492 %



MAT 4322

He-3 Production
Cross Section

43-Tc-98
-0.127 To 0.566 %



66

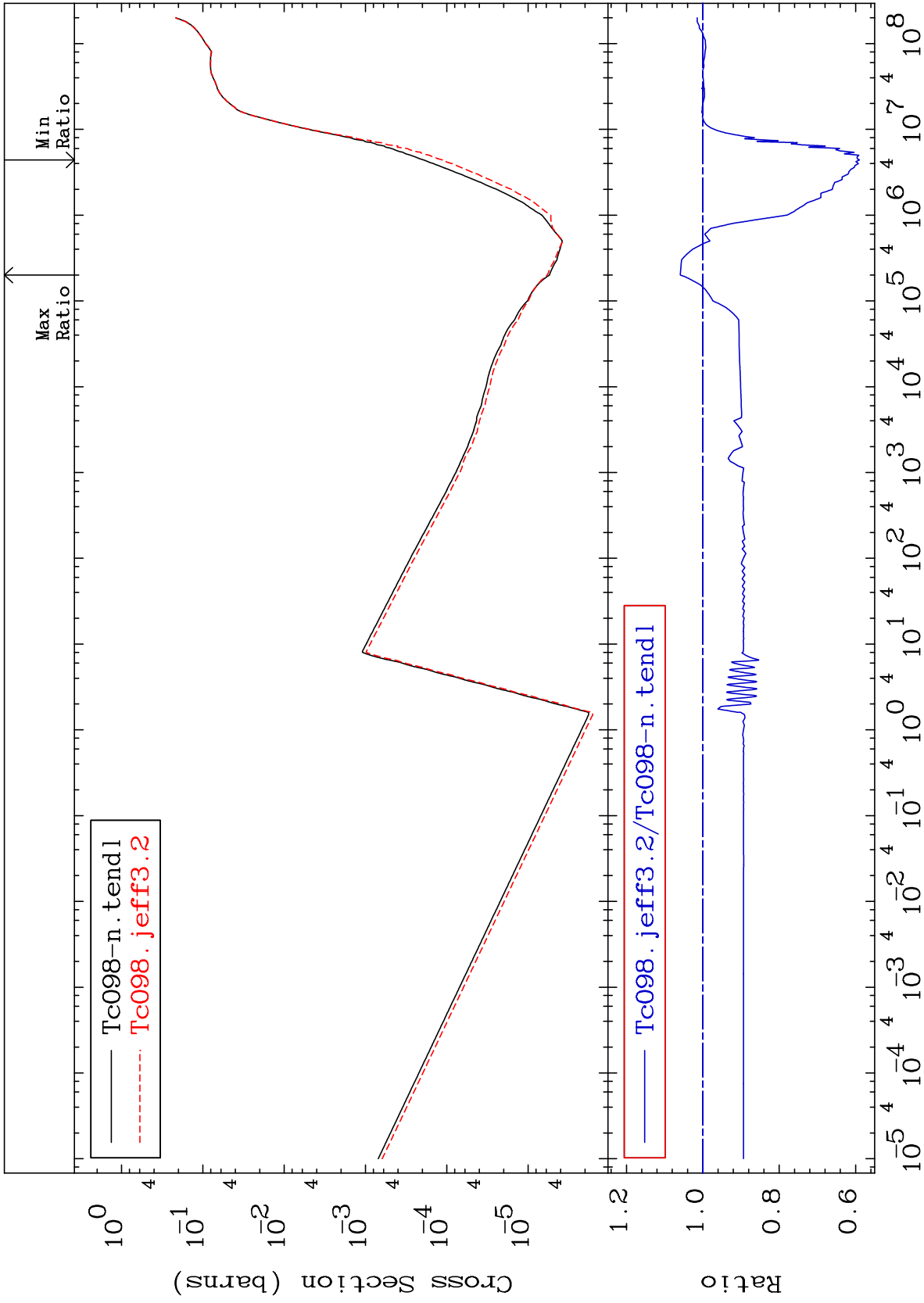
Incident Energy (eV)

43-Tc-98

MAT 4322

He-4 Production
Cross Section

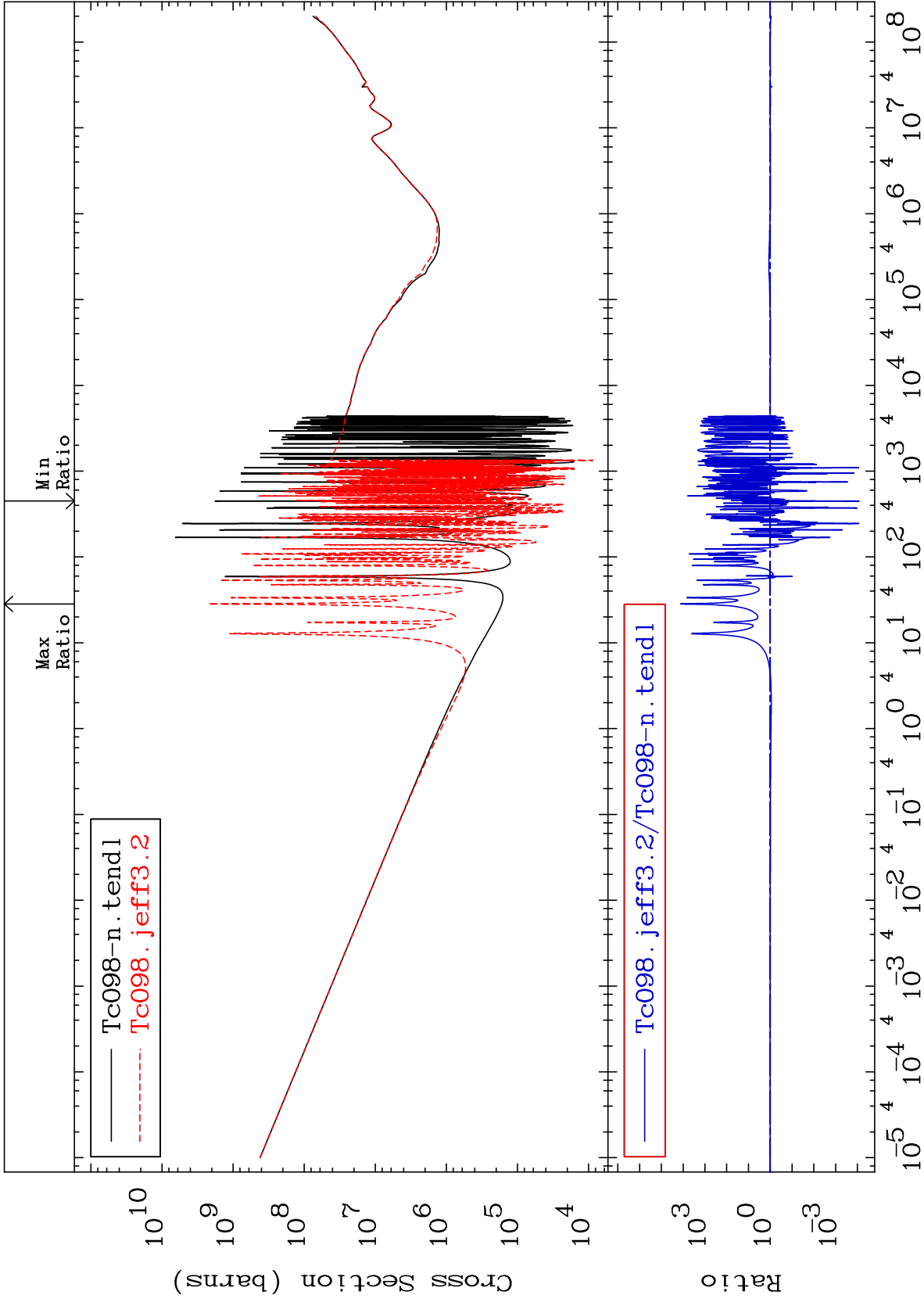
43-Tc-98
-41.00 To 5.880 %

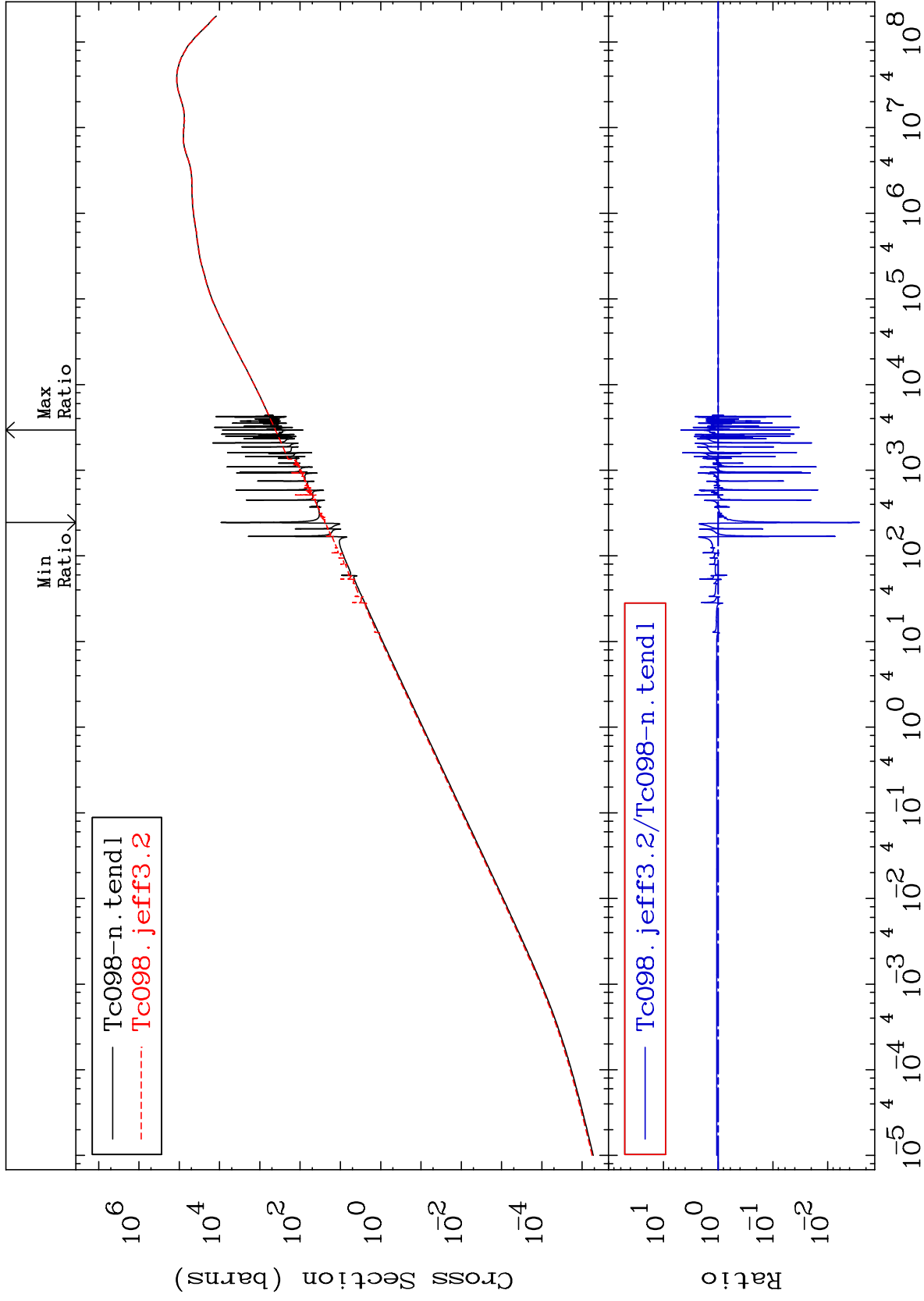


67

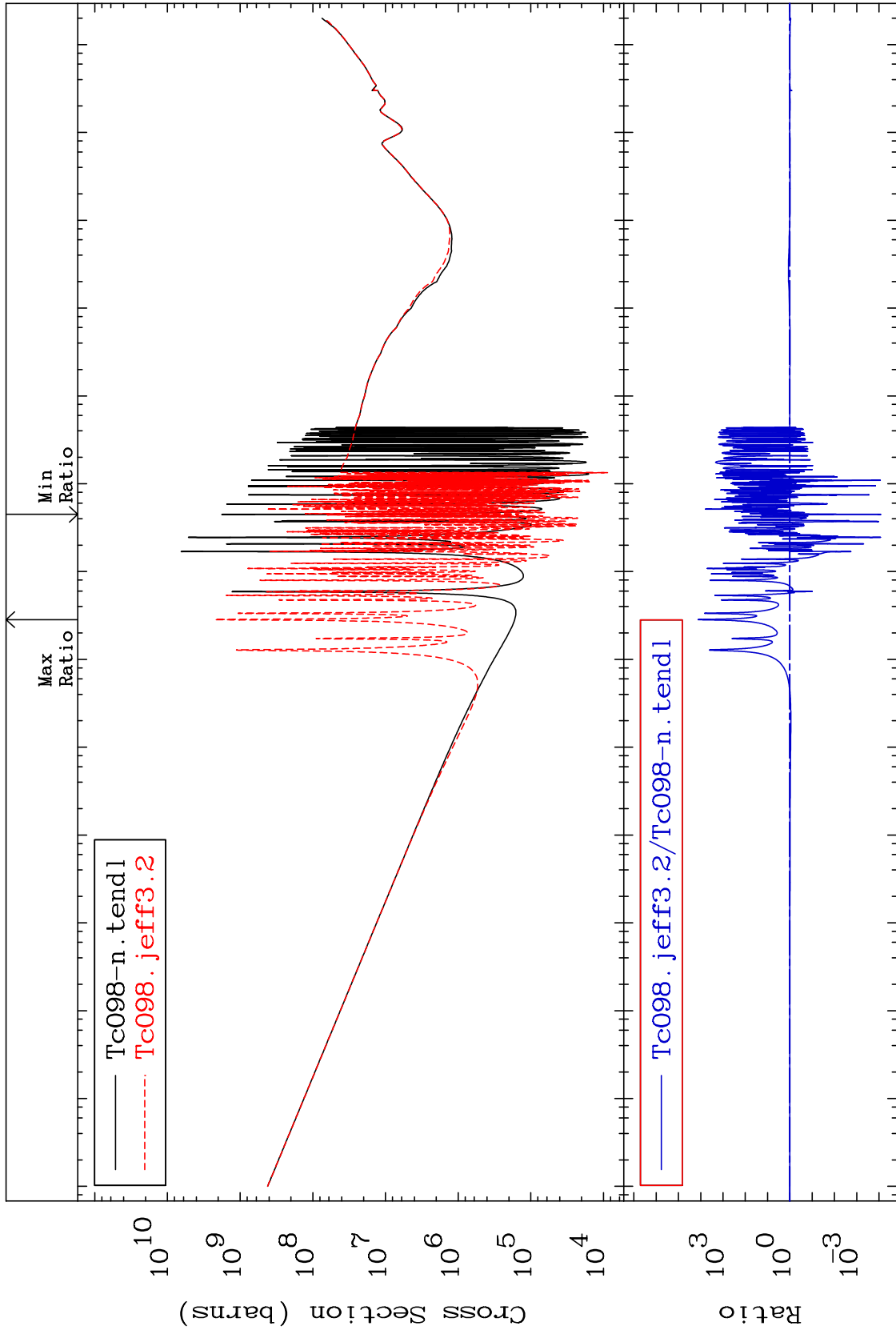
Incident Energy (eV)

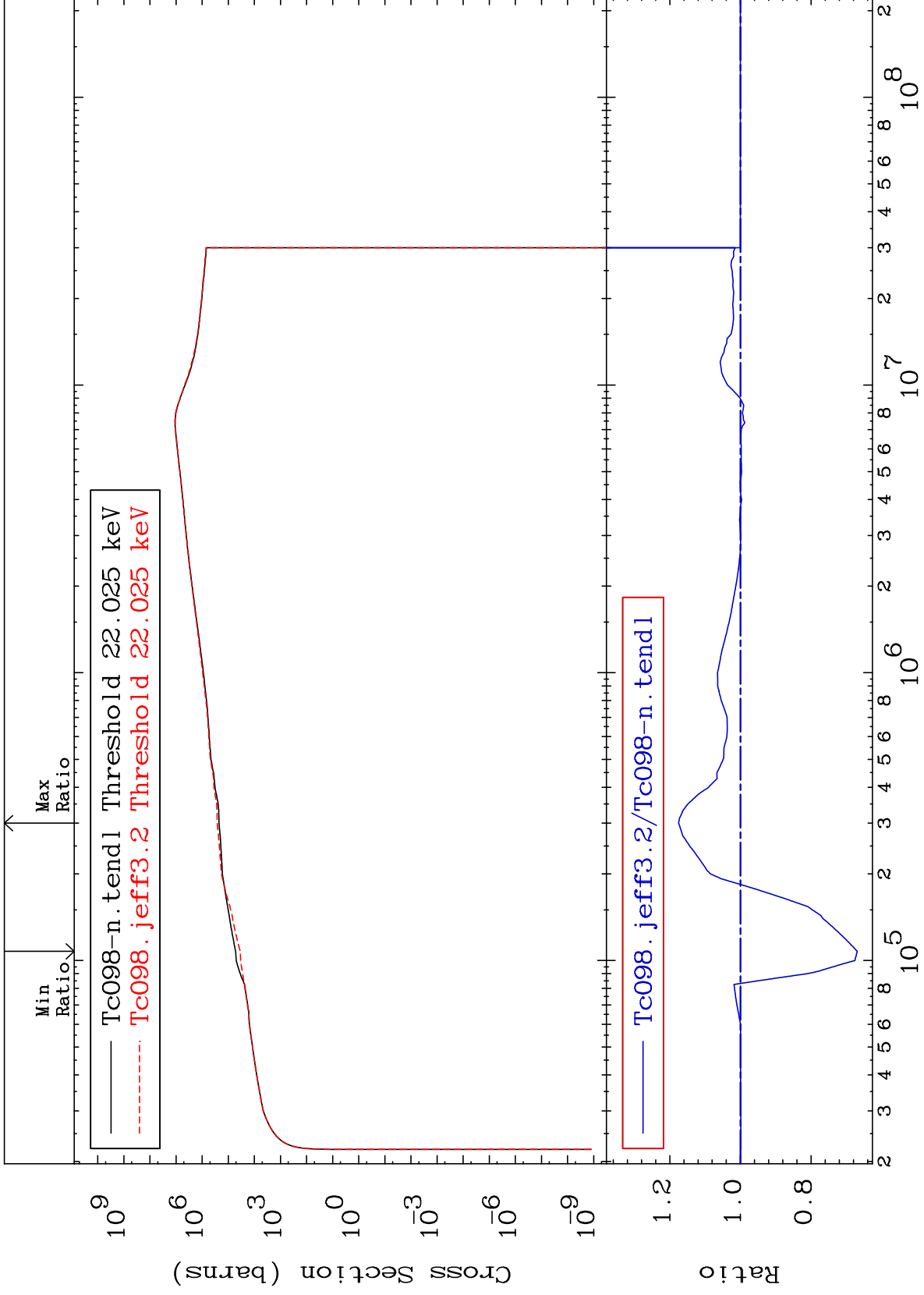
43-Tc-98





Cross Section

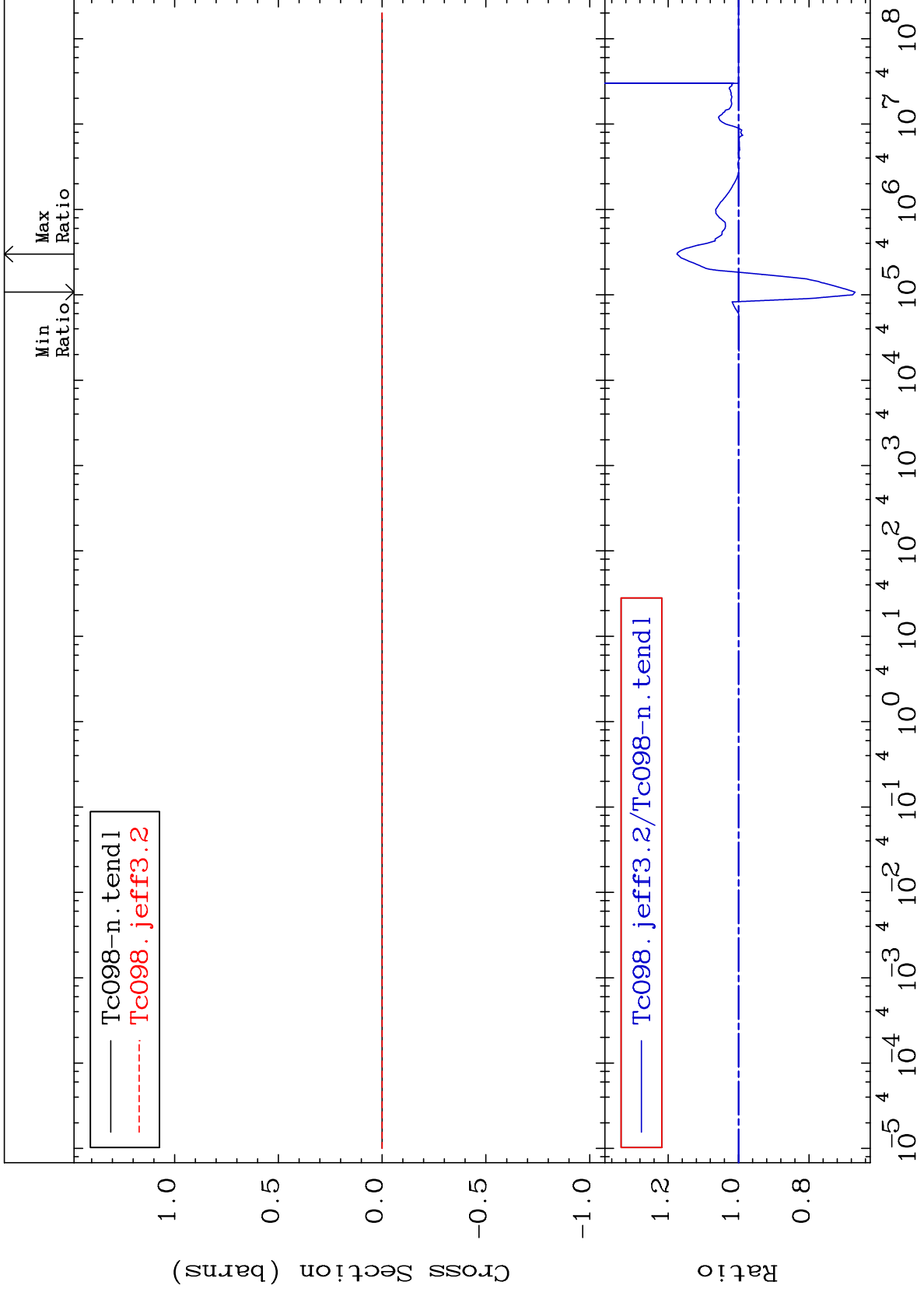




MAT 4322

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

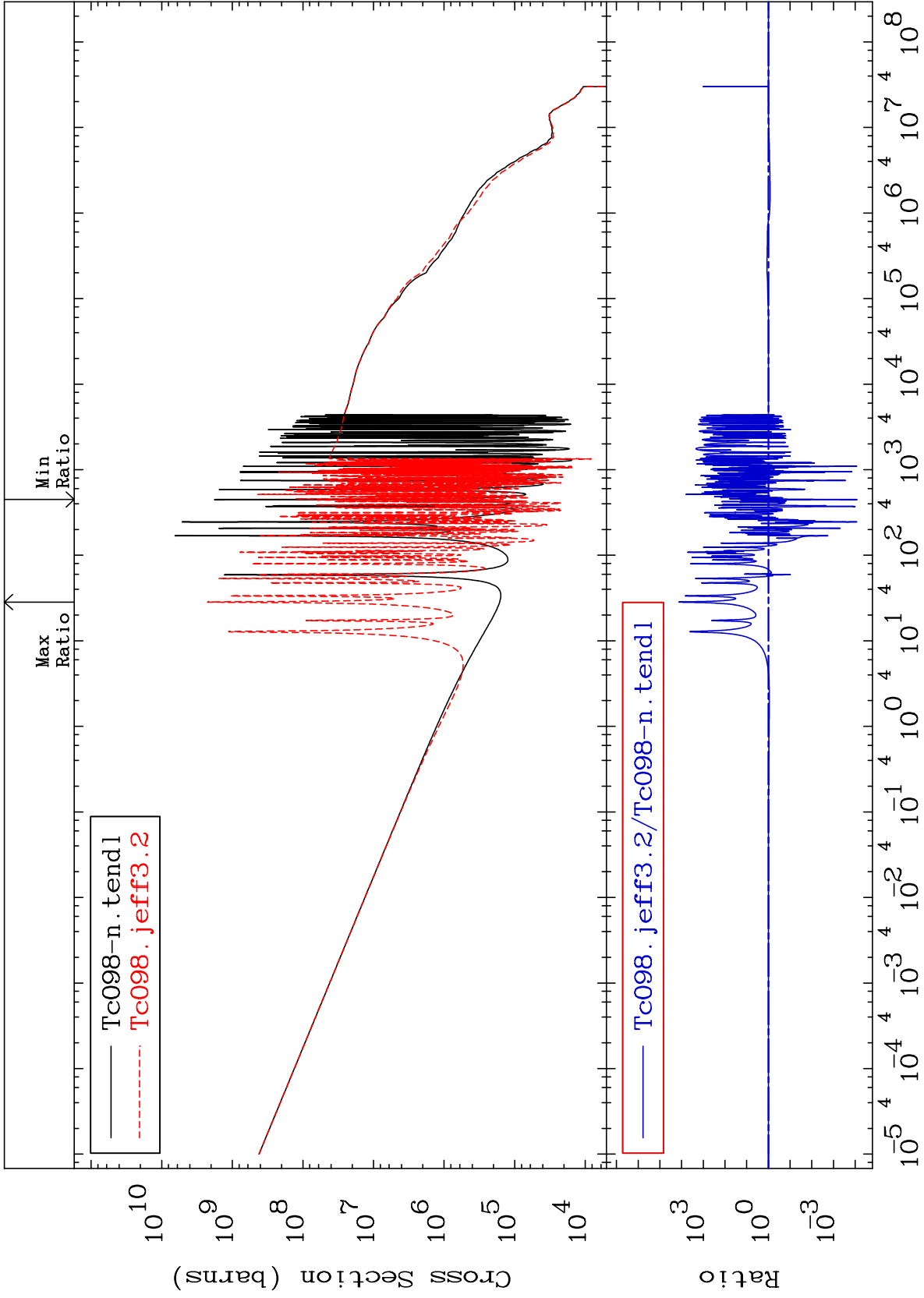
43-Tc-98
-33.04 To 17.49 %



MAT 4322

Kerma capture (mt102)
Cross Section

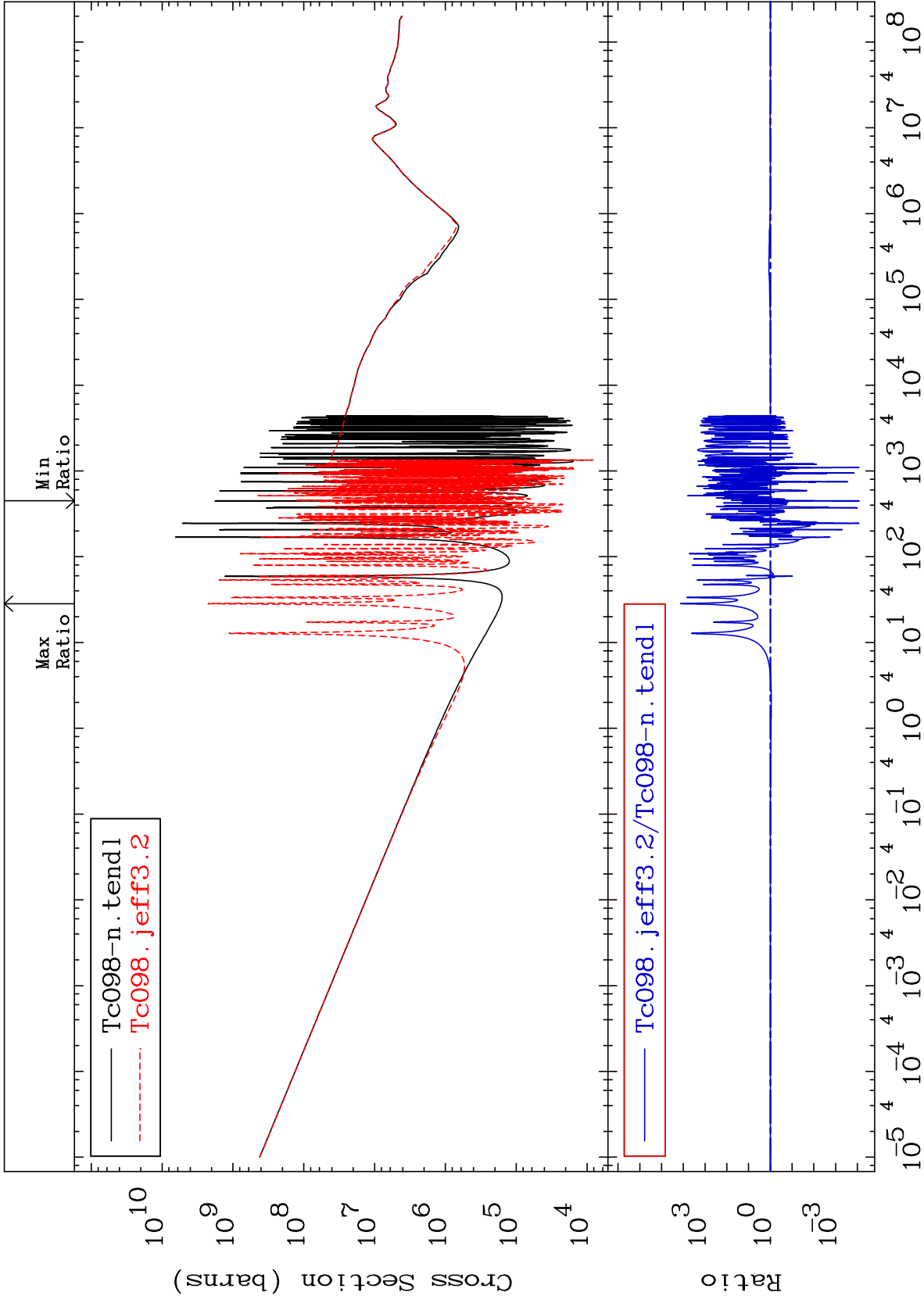
43-Tc-98
-99.99 To 9999. %

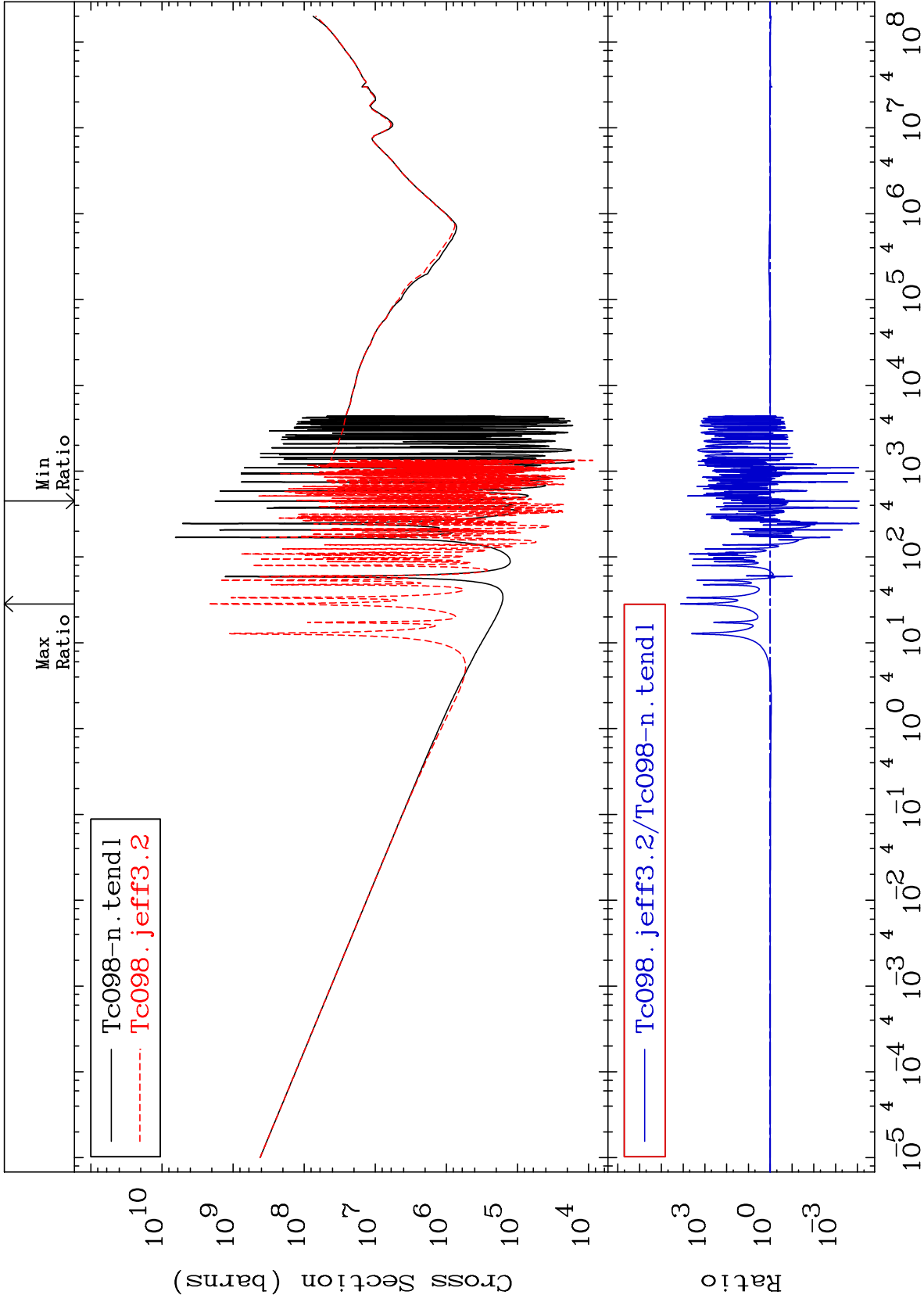


73

Incident Energy (eV)

43-Tc-98



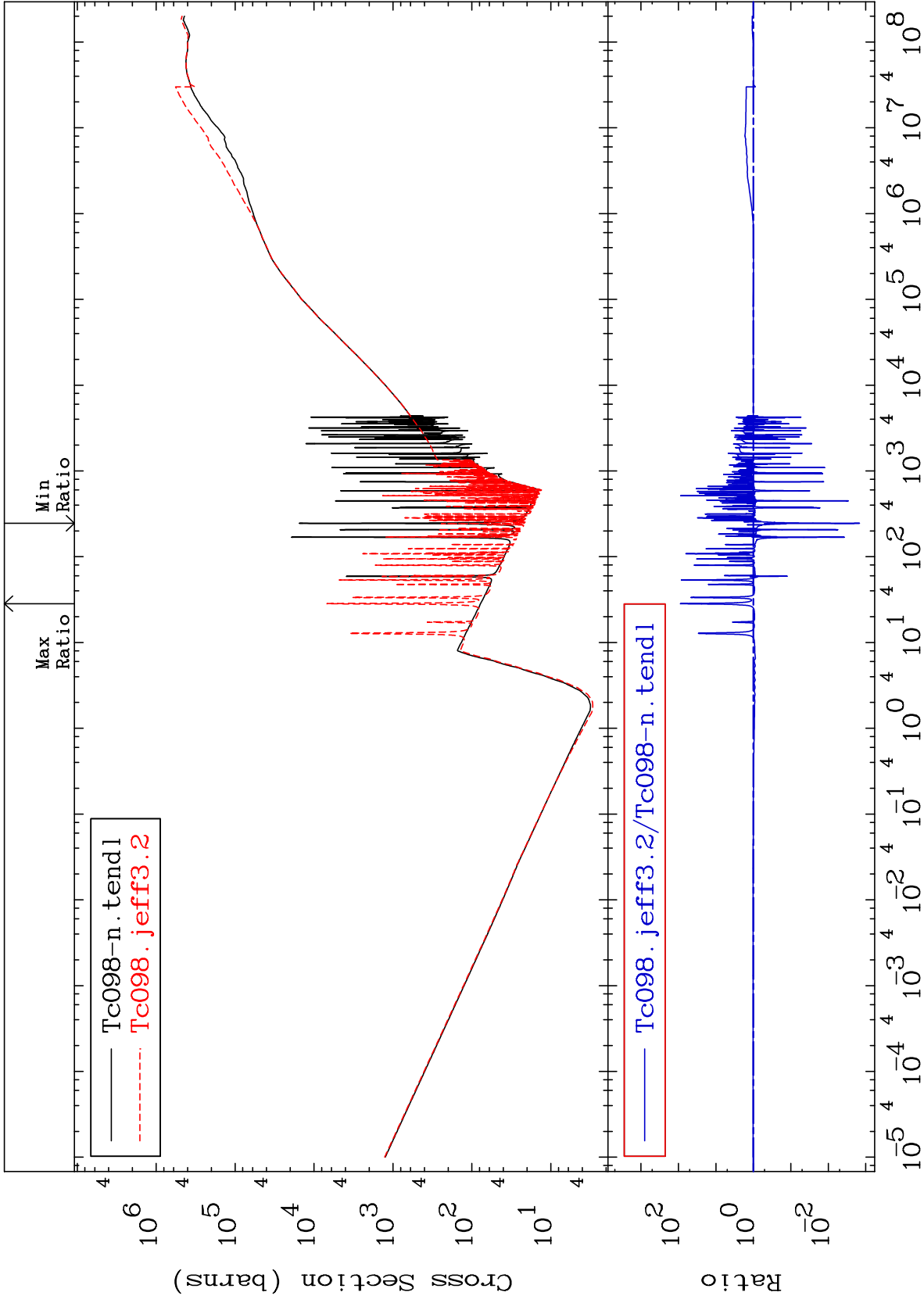


MAT 4322

Dpa total (eV-barns)

43-Tc-98

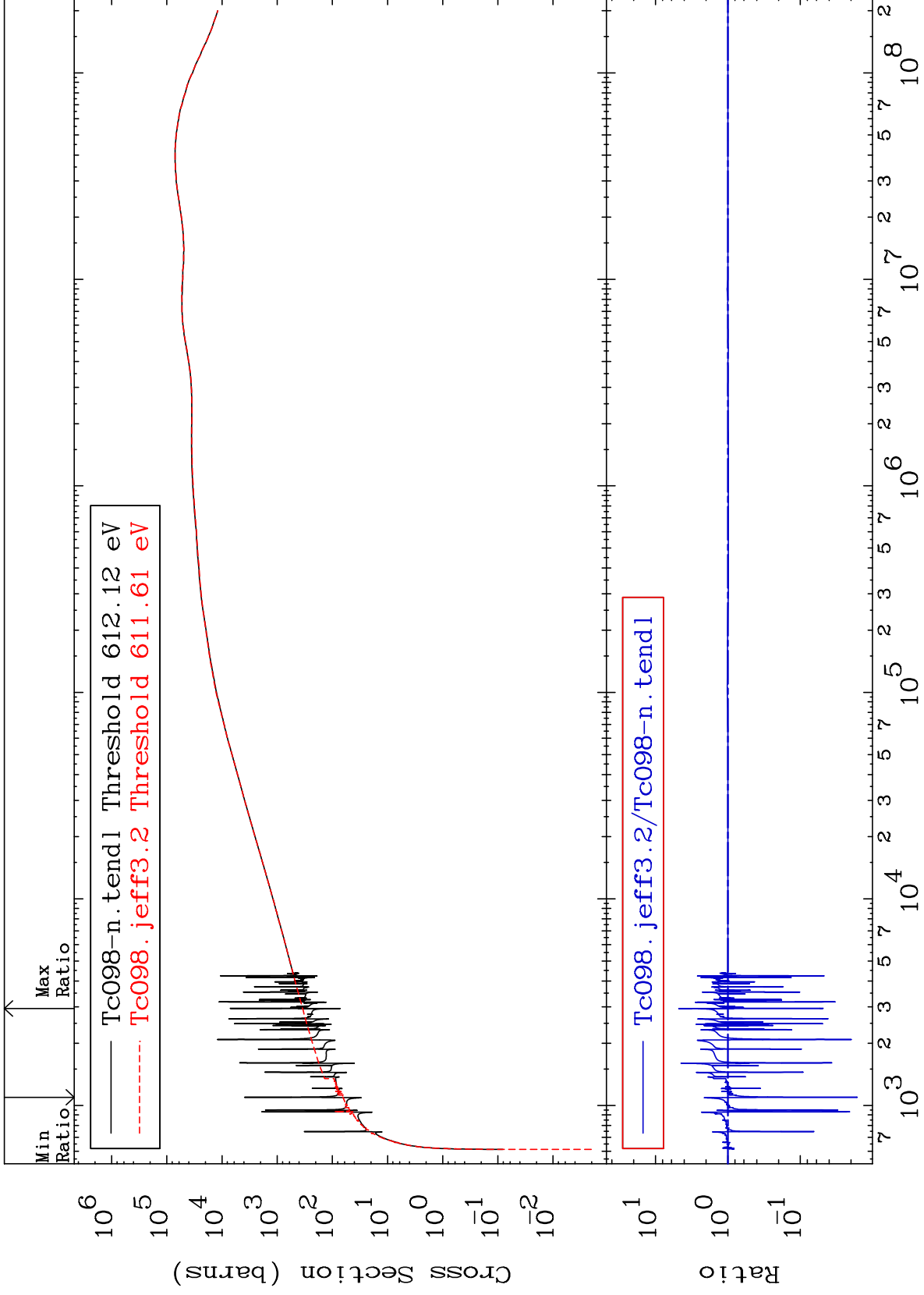
-99.85 To 8790. %

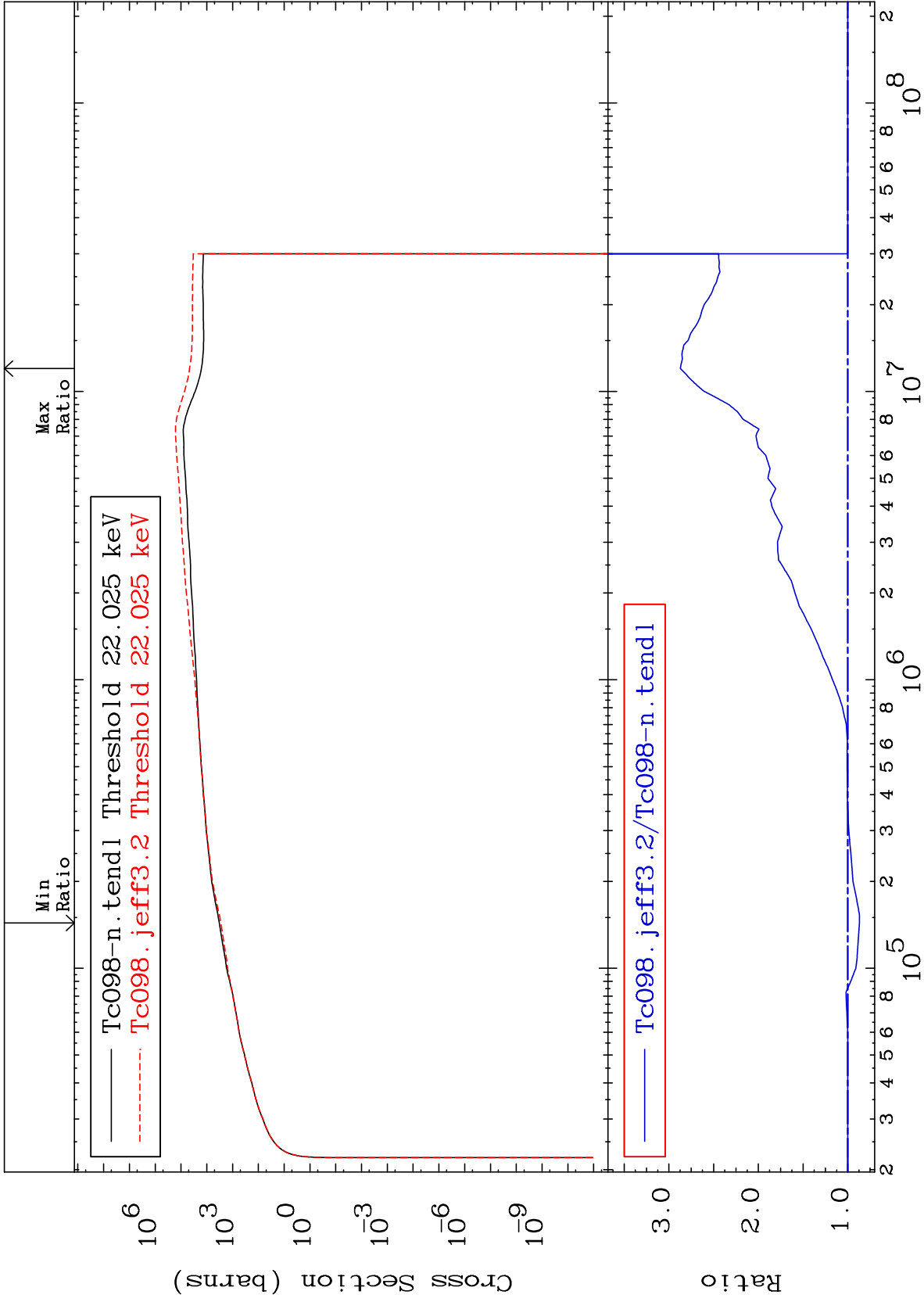


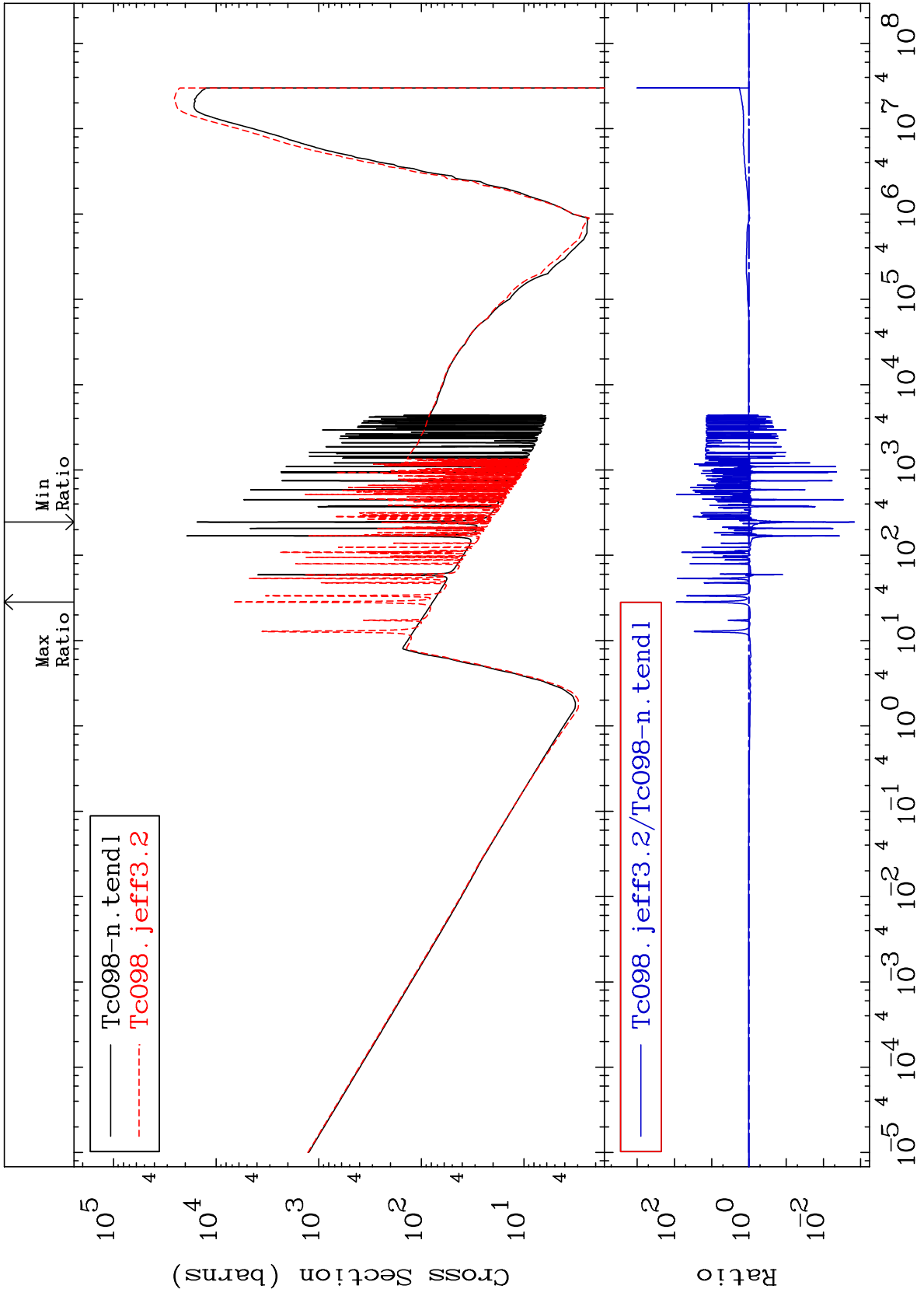
MAT 4322

Dpa elastic (mt2)
Cross Section

43-Tc-98
-98.36 To 378.9 %





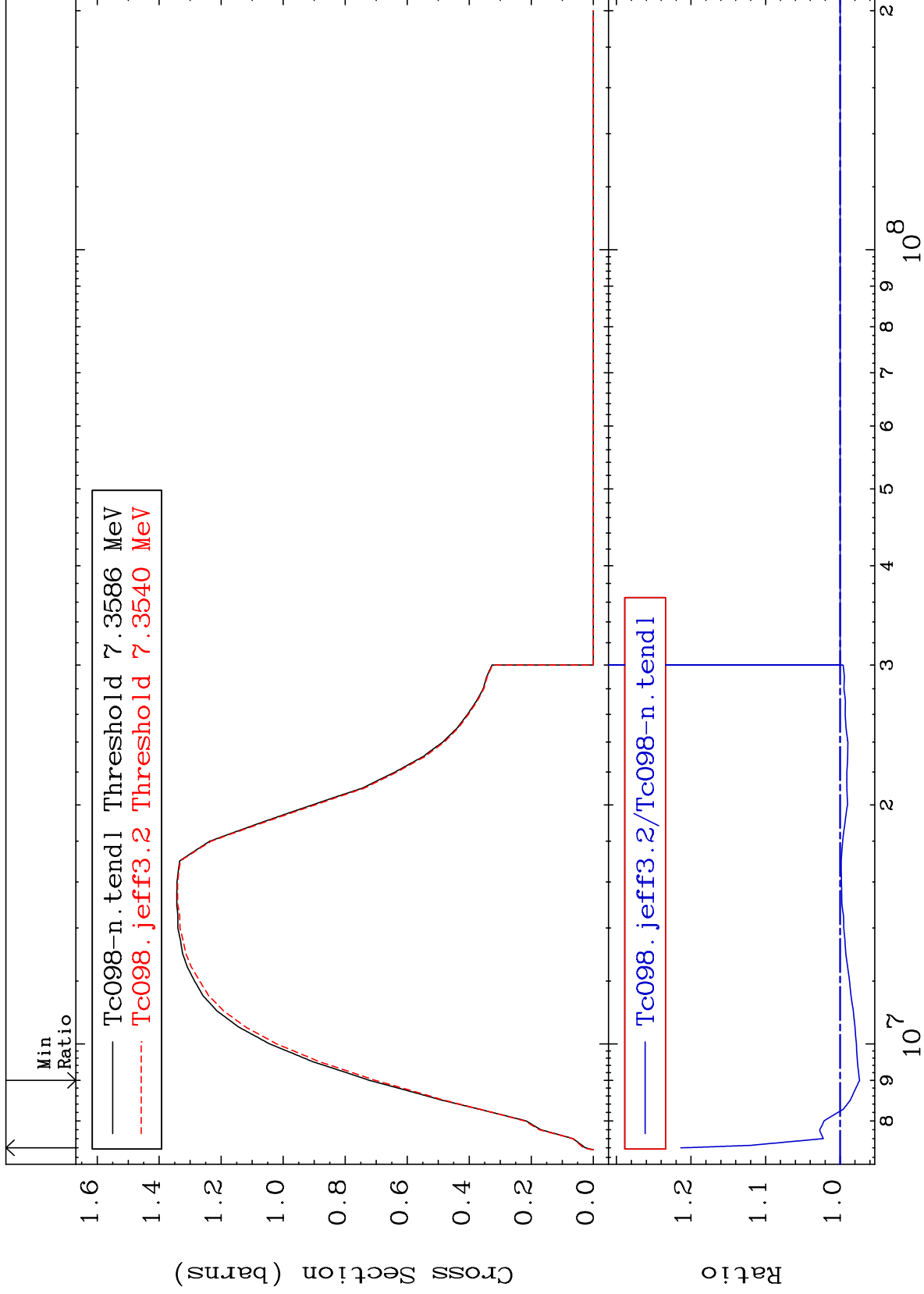


MAT 4322

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

43-Tc-98

Radionuclide Production Cross Section -2.608 To 21.37 %



80

Incident Energy (eV)

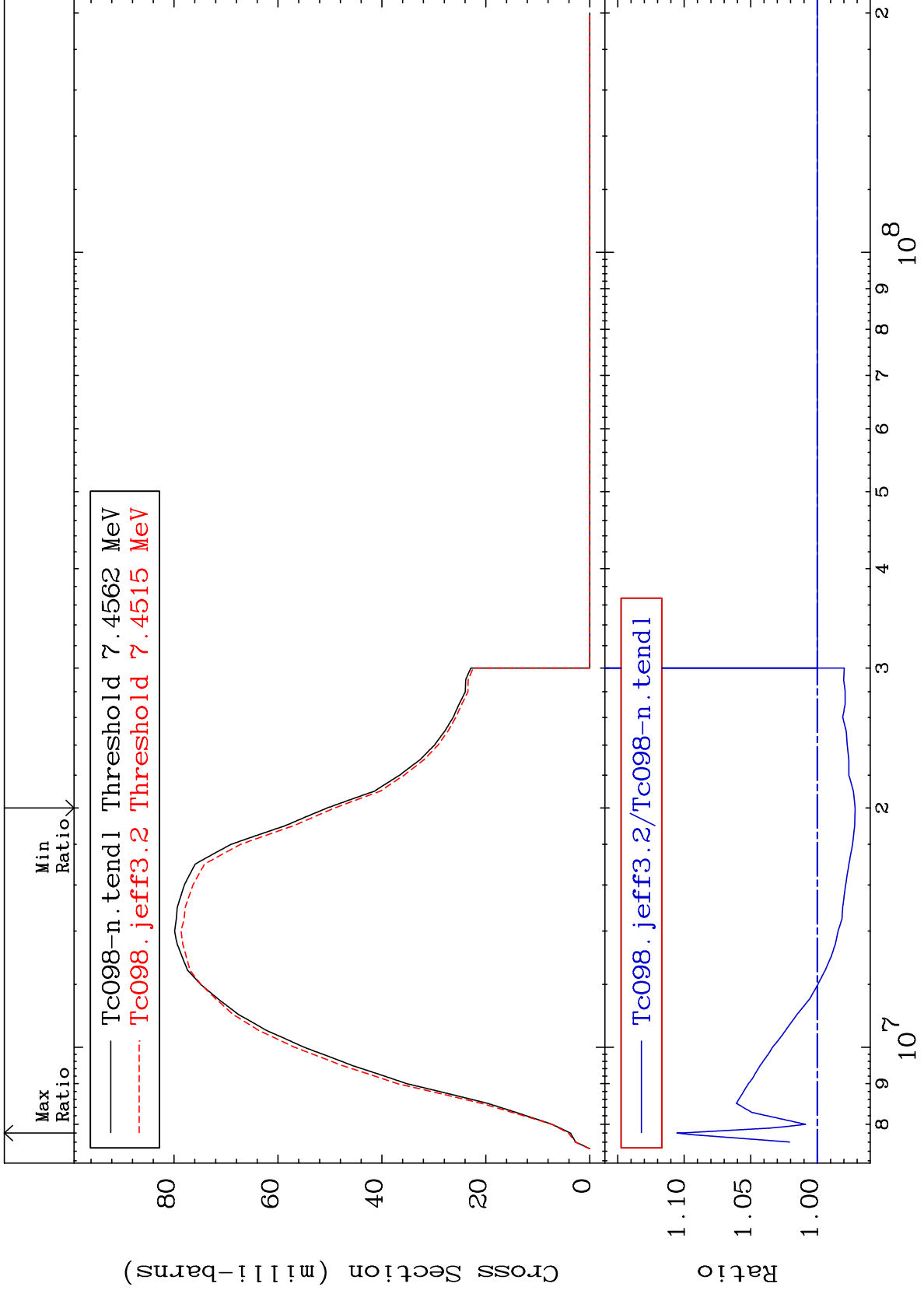
43-Tc-98

MAT 4322

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

43-Tc-98

Radionuclide Production Cross Section -2.843 To 10.55 %



81

Incident Energy (eV)

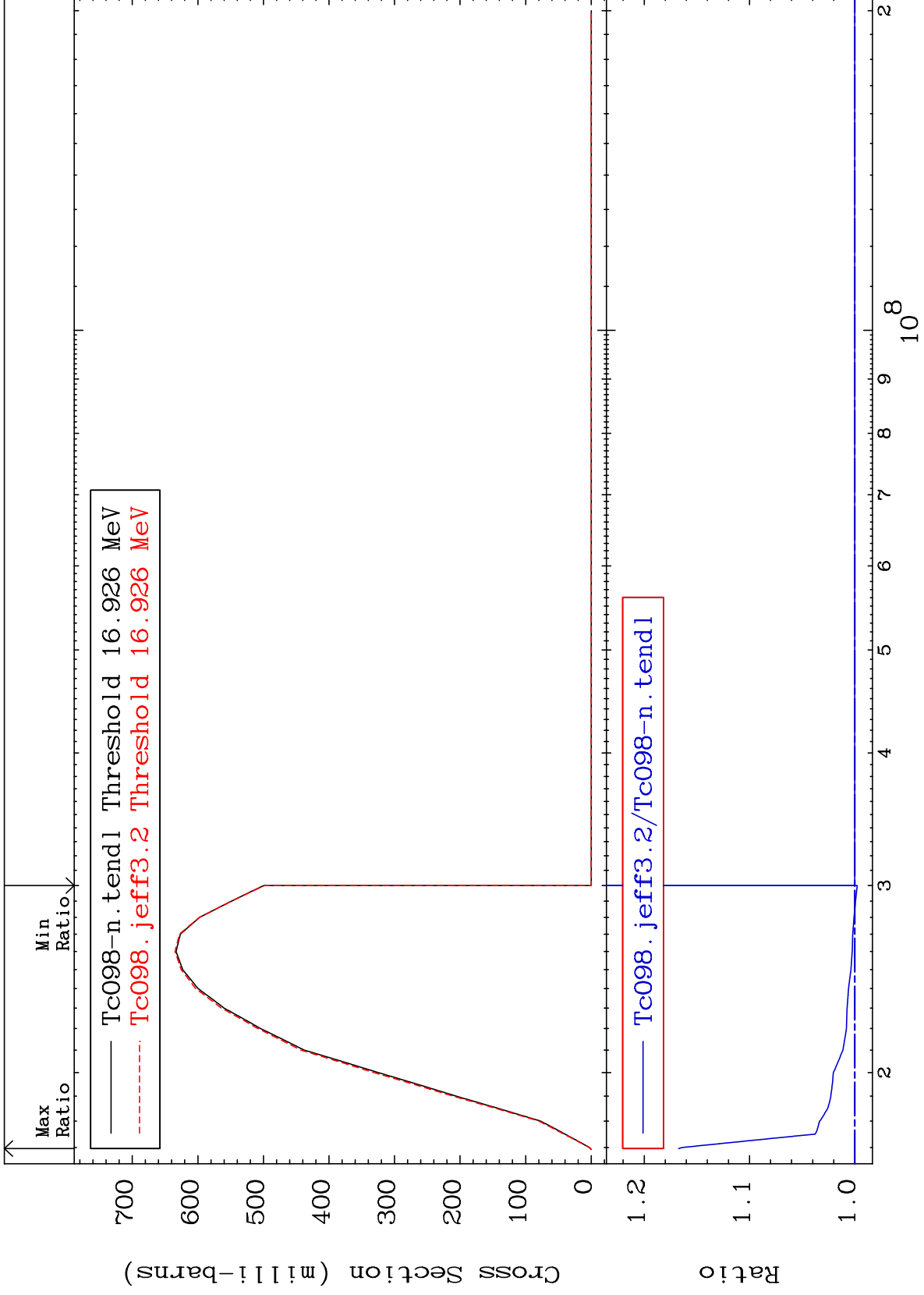
43-Tc-98

MAT 4322

(n,3n):43-Tc-96g

43-Tc-98

Radionuclide Production Cross Section -0.235 To 16.73 %

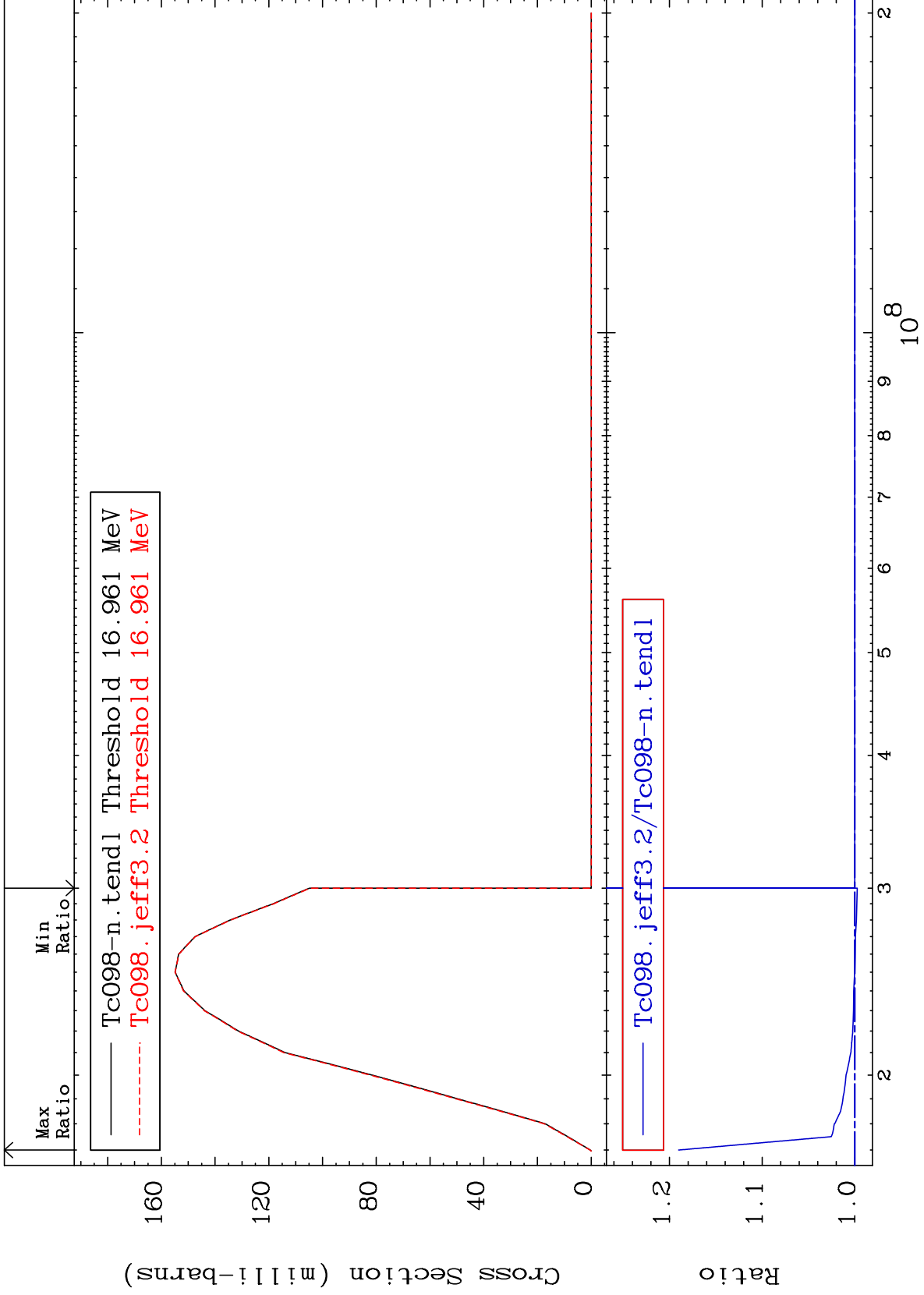


82

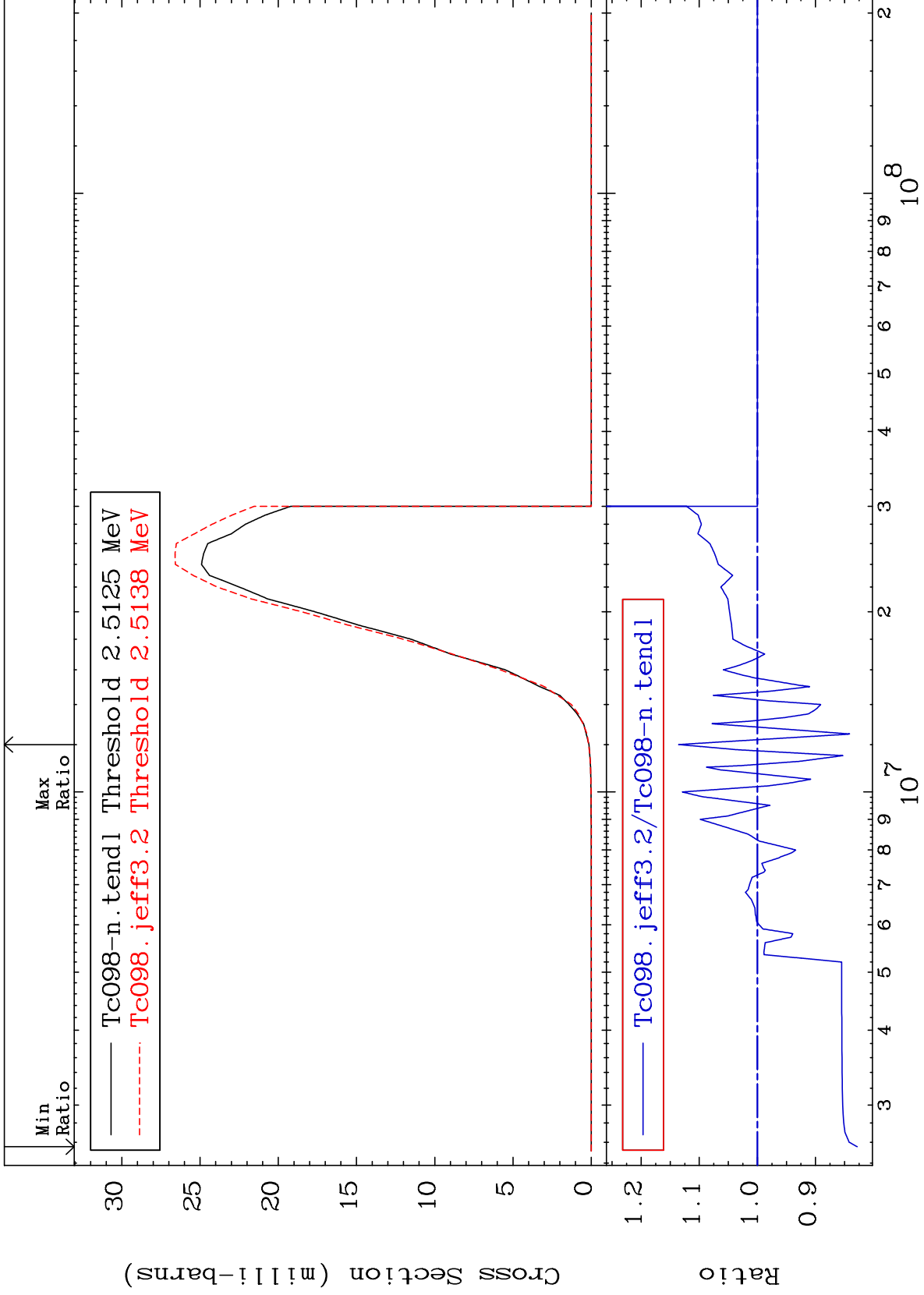
Incident Energy (eV)

43-Tc-98

Radionuclide Production Cross Section -0.260 To 19.02 %



Radionuclide Production Cross Section -17.19 To 13.55 %



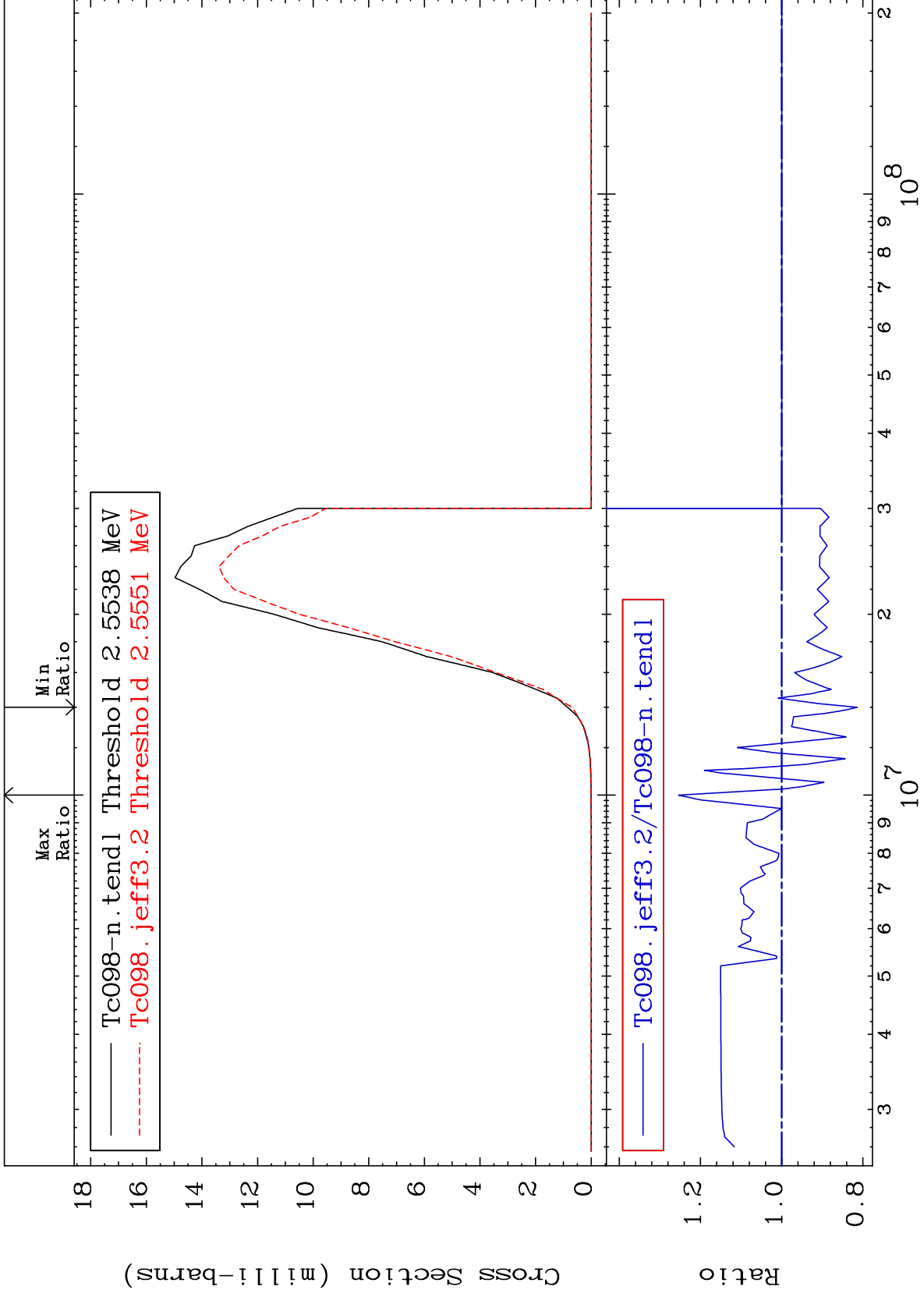
MAT 4322

(n, n') α : 41-Nb-94m1

43-Tc-98

Radionuclide Production Cross Section

-18.62 To 25.39 %



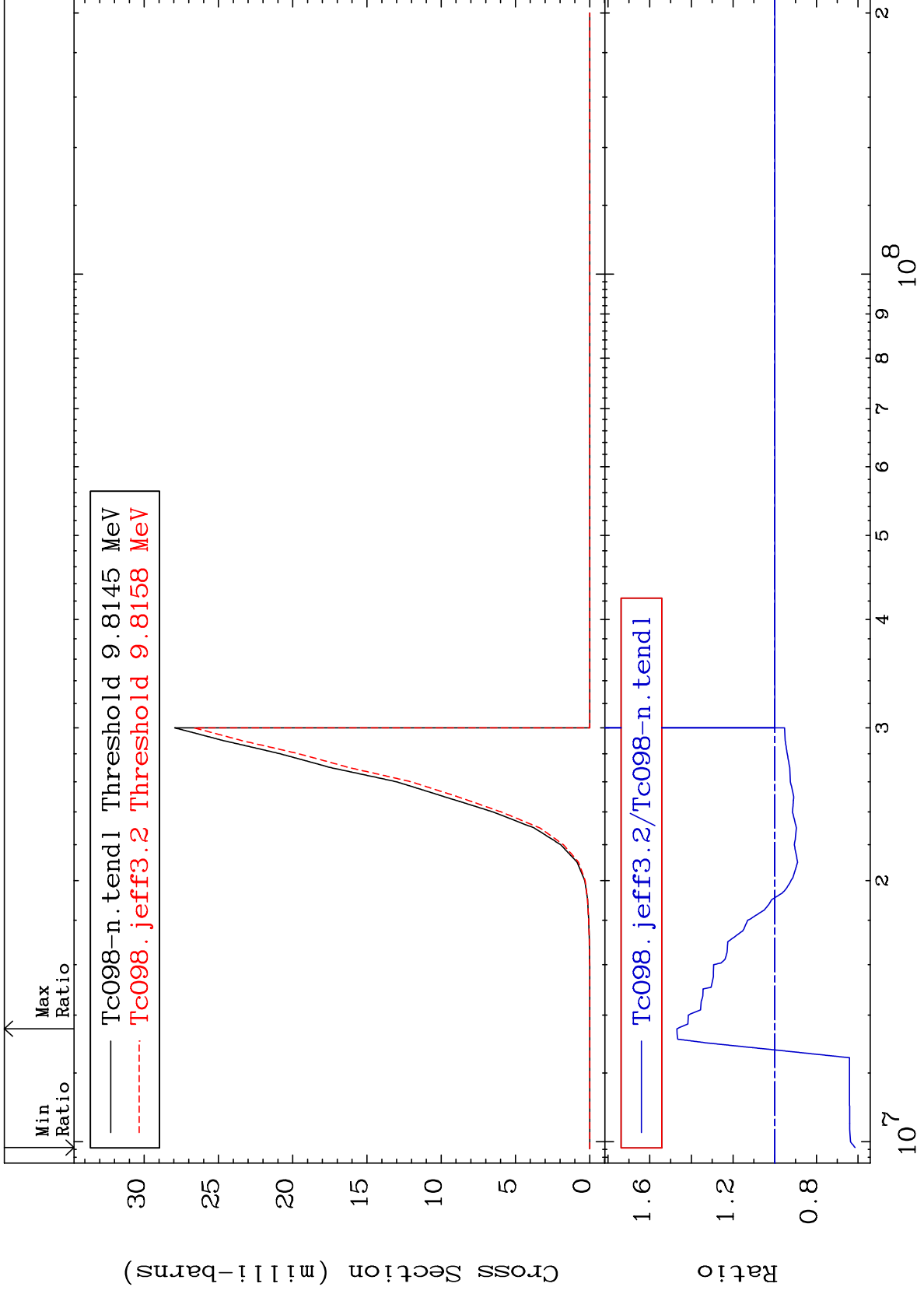
MAT 4322

(n,2n) α :41-Nb-93g

43-Tc-98

Radionuclide Production Cross Section

-38.57 To 46.95 %



86

Incident Energy (eV)

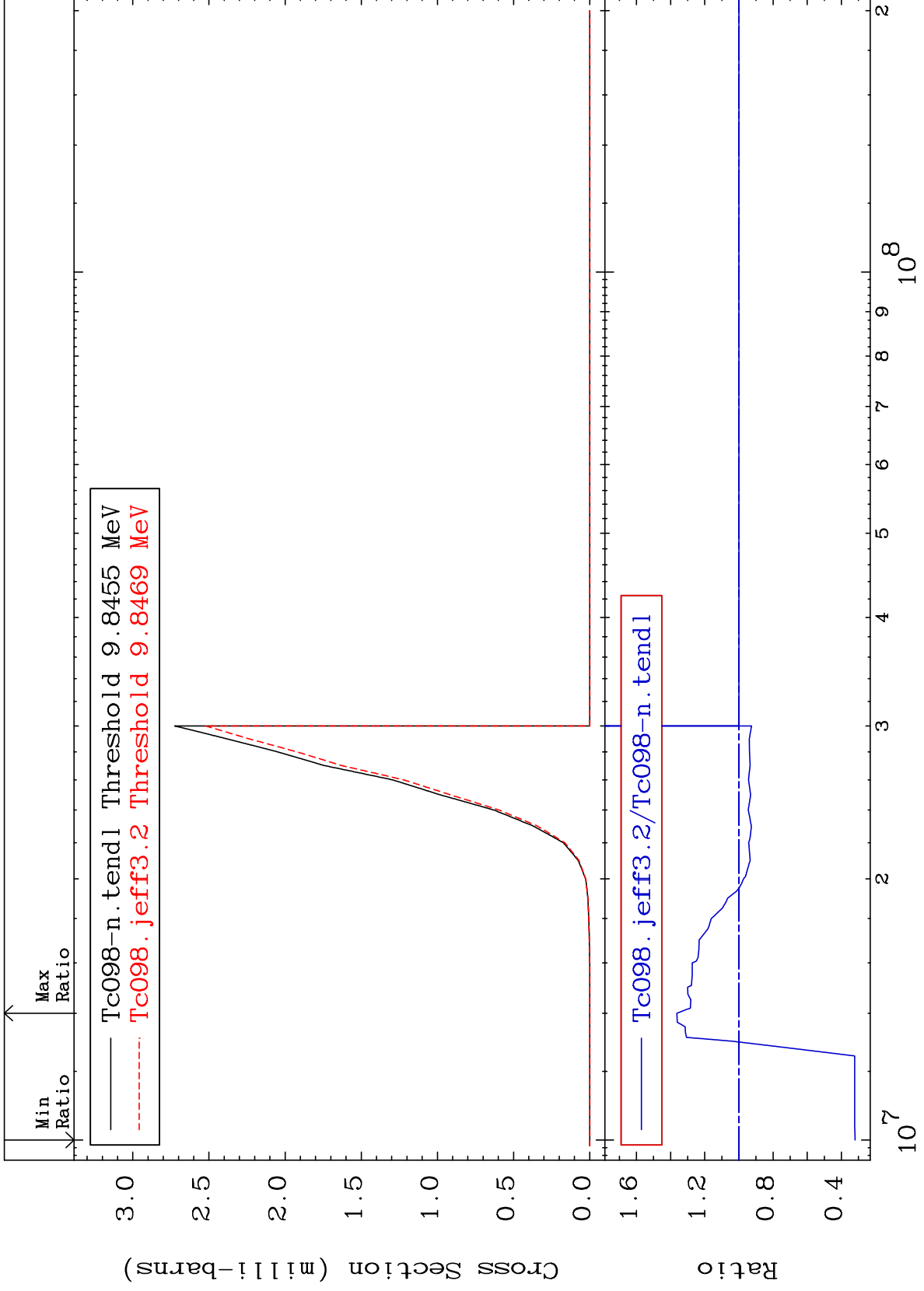
43-Tc-98

MAT 4322

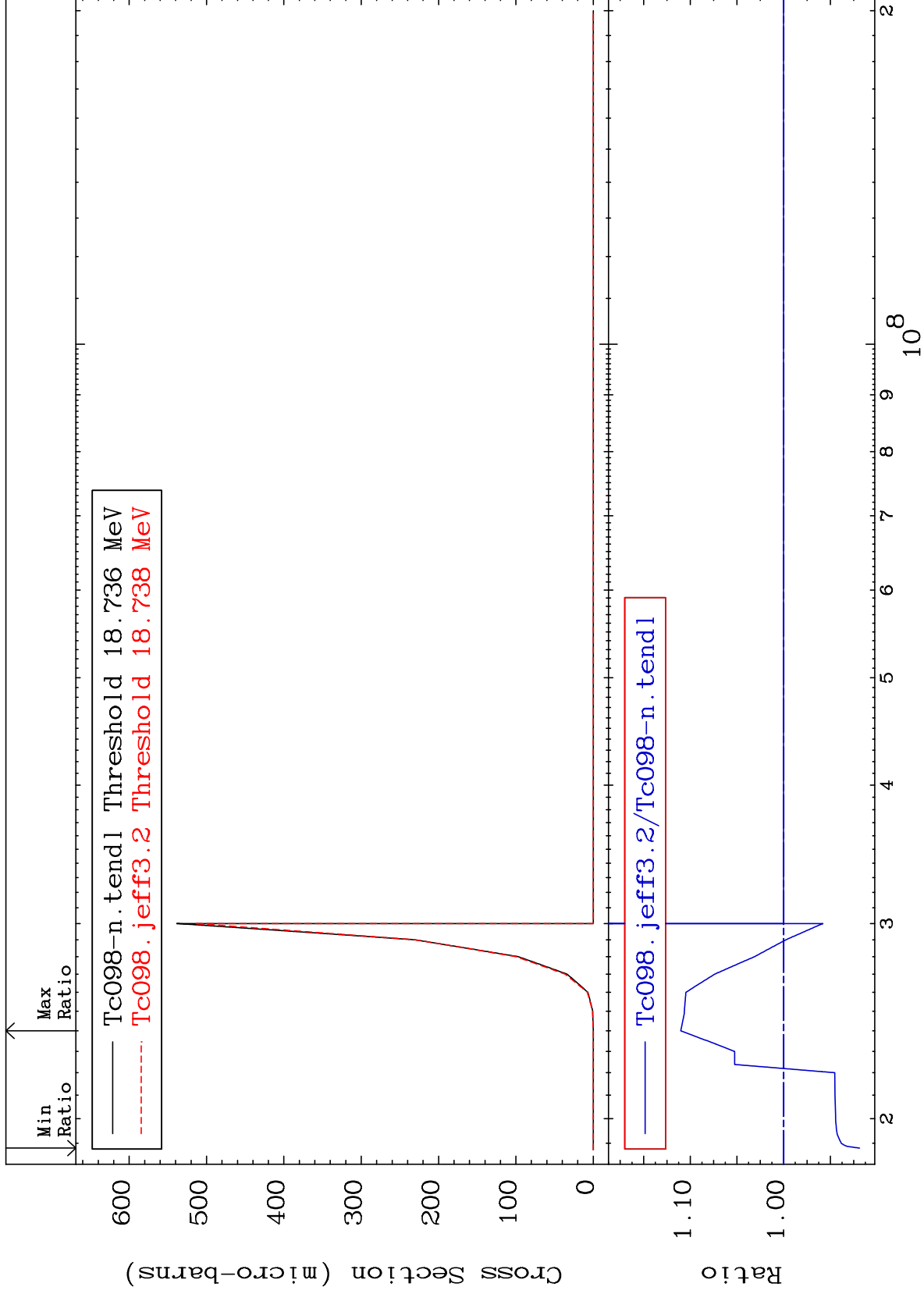
(n,2n) α : 41-Nb-93m1

43-Tc-98

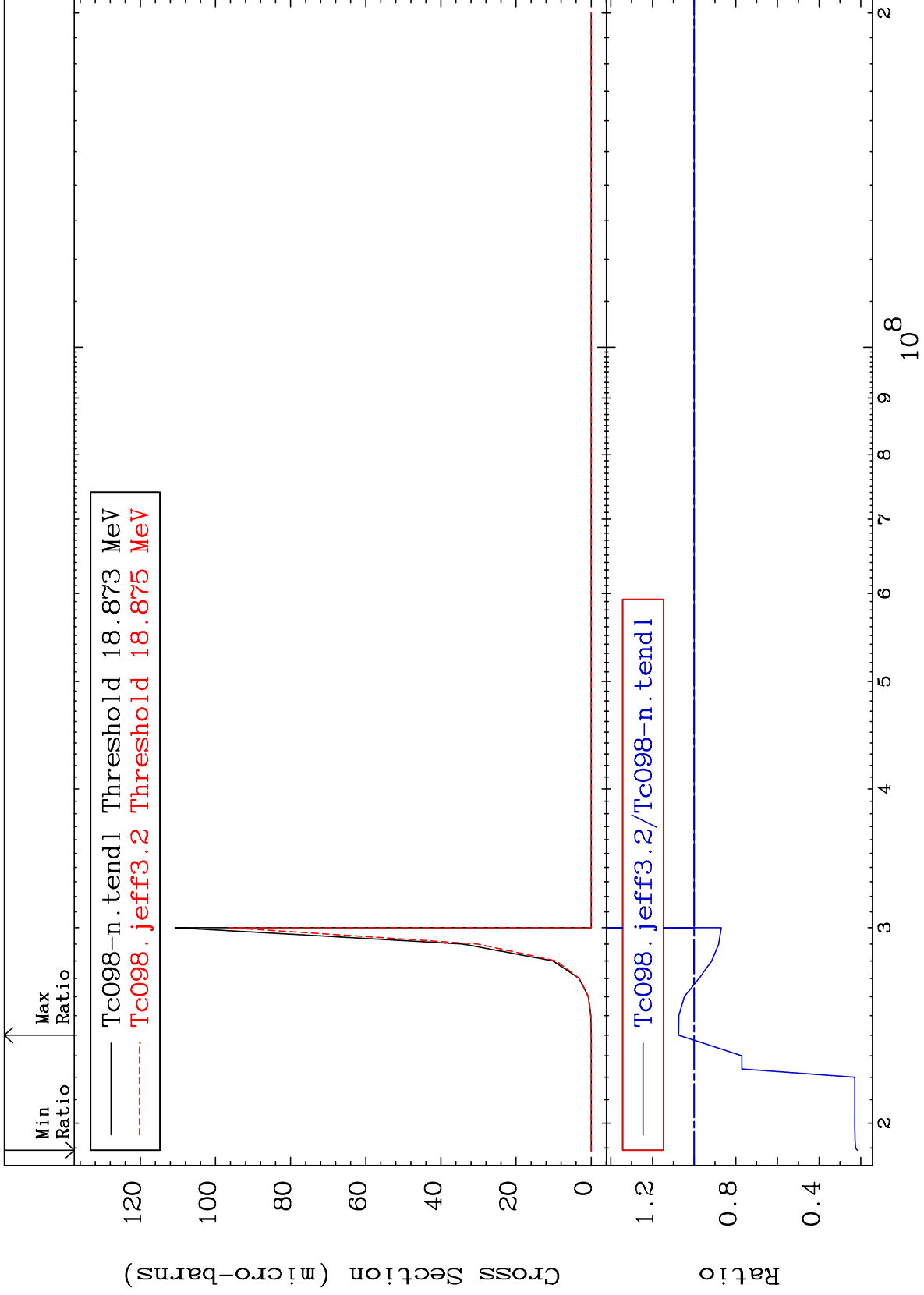
Radionuclide Production Cross Section -68.02 To 36.28 %



Radionuclide Production Cross Section -8.129 To 11.02 %

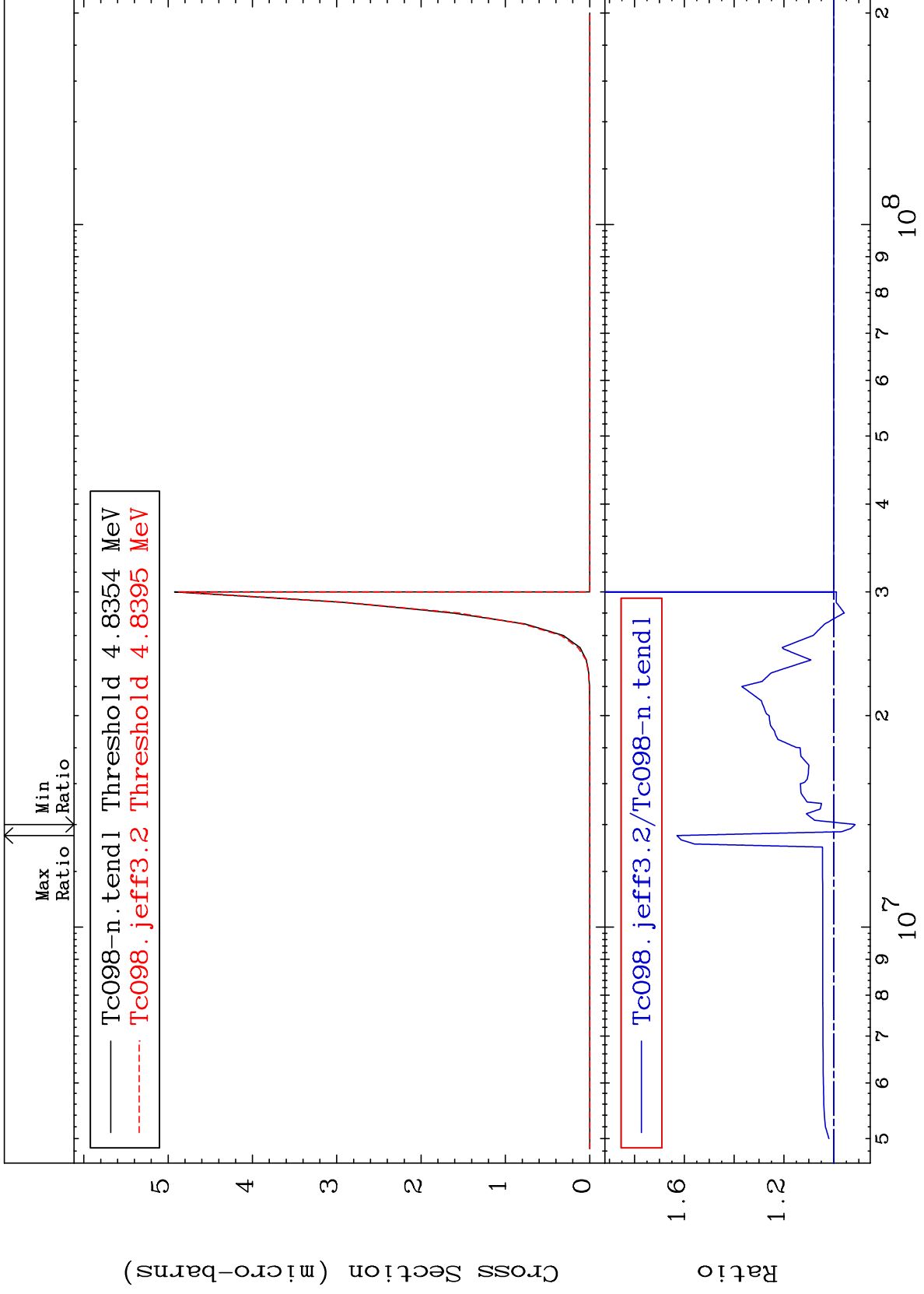


Radionuclide Production Cross Section -78.30 To 7.448 %

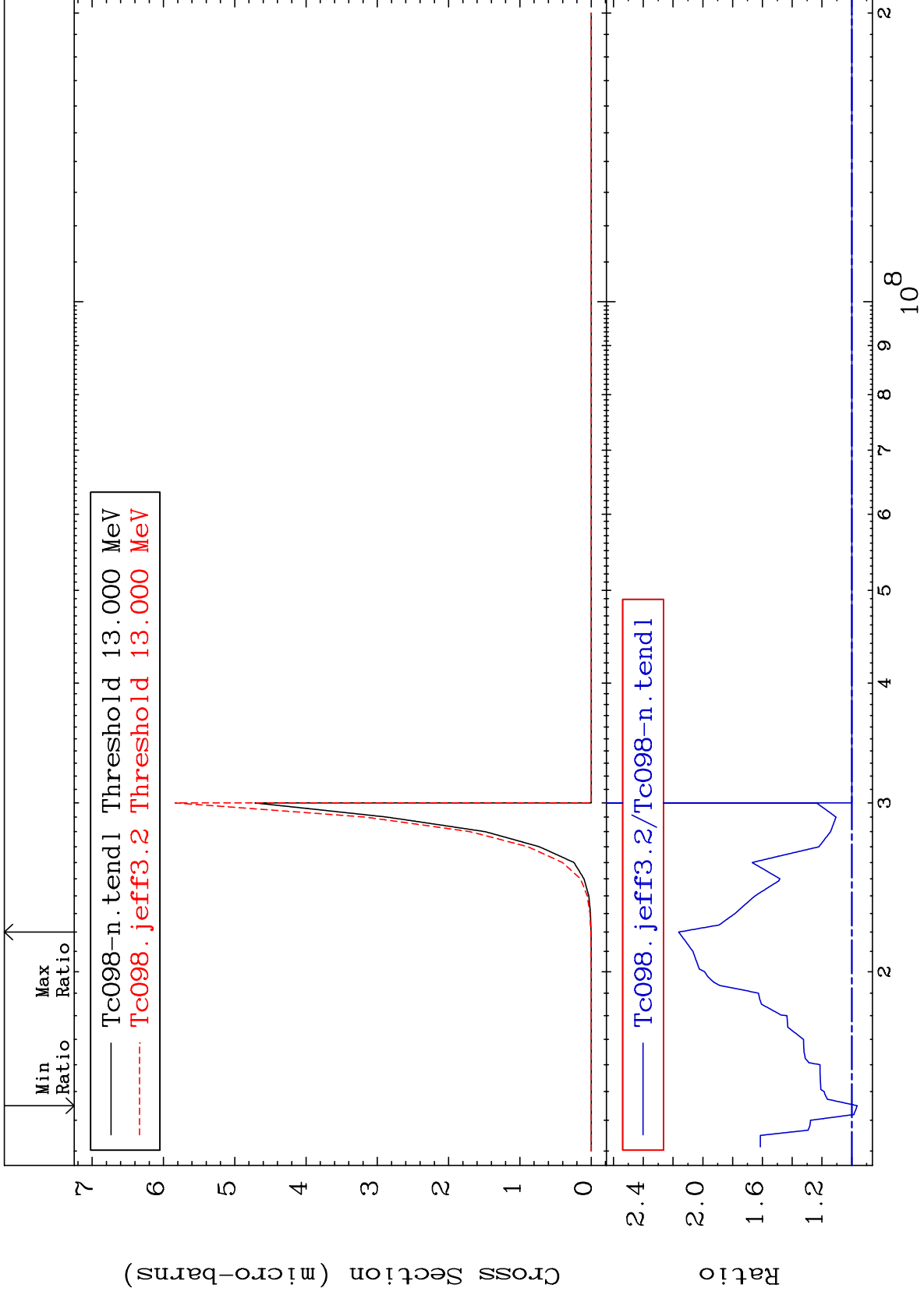


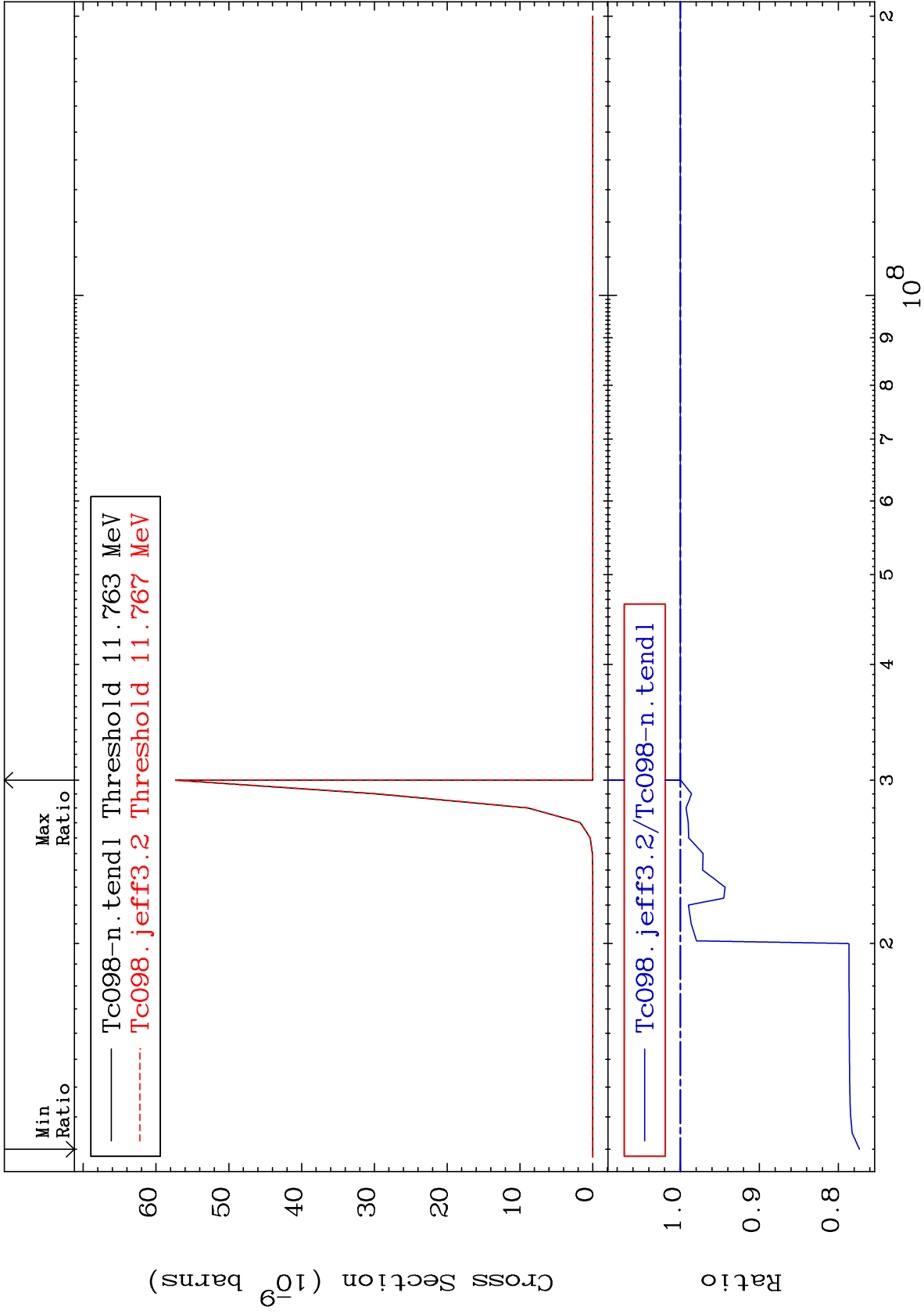
MAT 4322

(n, n') 2α:39-Y -90g 43-Tc-98
Radionuclide Production Cross Section -8.539 To 62.96 %



Radionuclide Production Cross Section -3.674 To 116.2 %



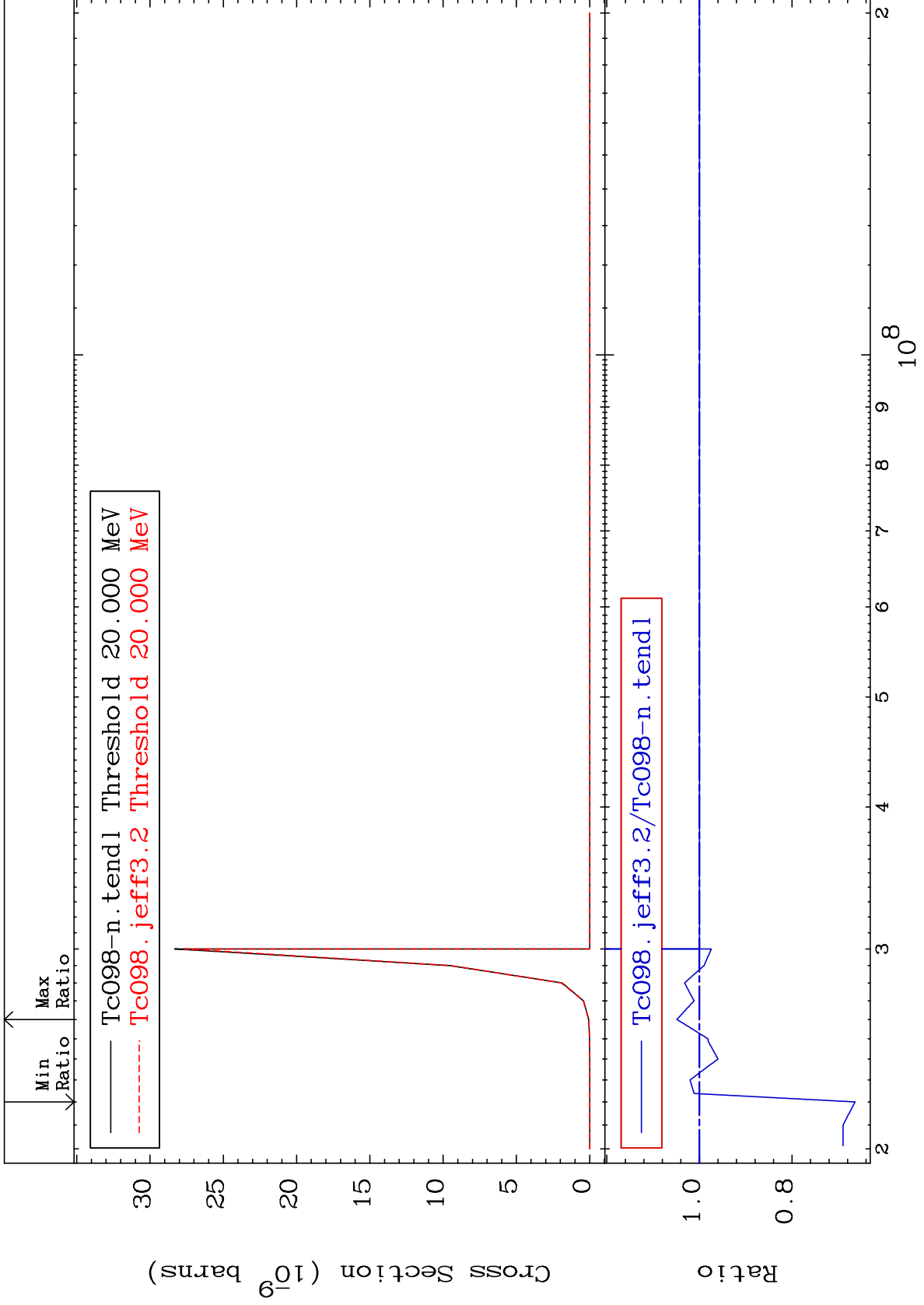


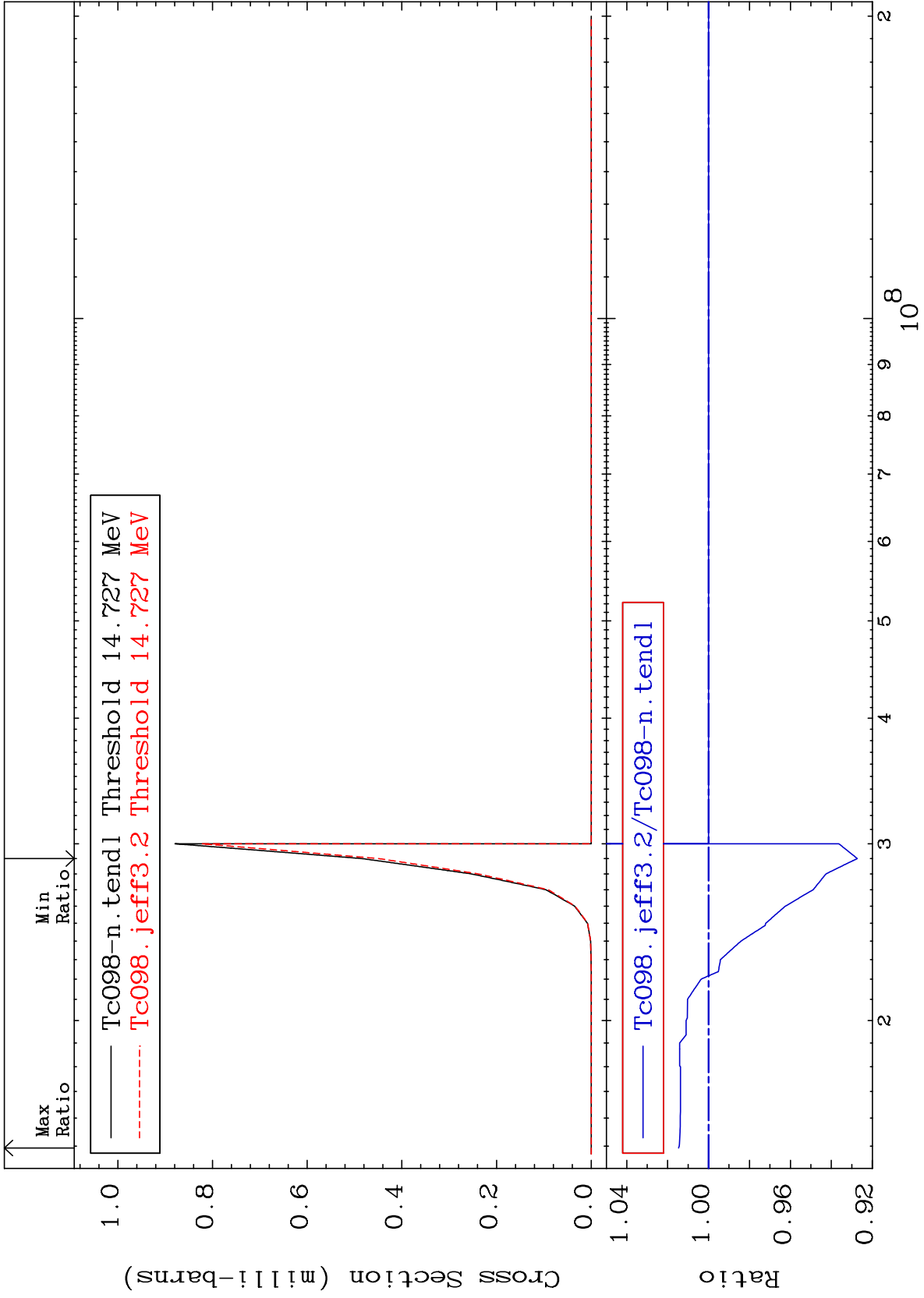
MAT 4322

(n,2n) 2α:39-Y -89m1

43-Tc-98

Radionuclide Production Cross Section -33.62 To 4.861 %



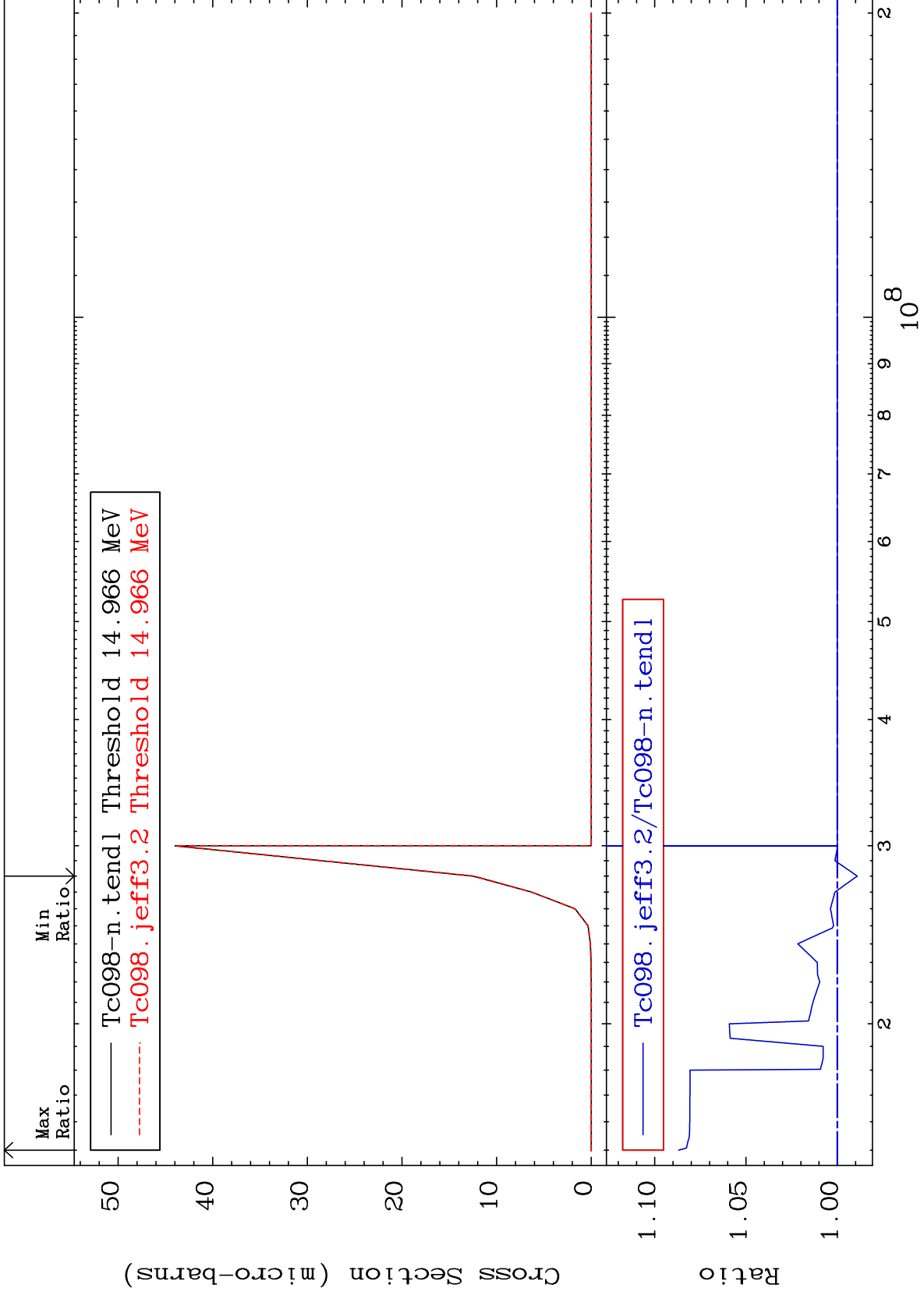


MAT 4322

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

43-Tc-98

Radionuclide Production Cross Section -1.092 To 8.691 %

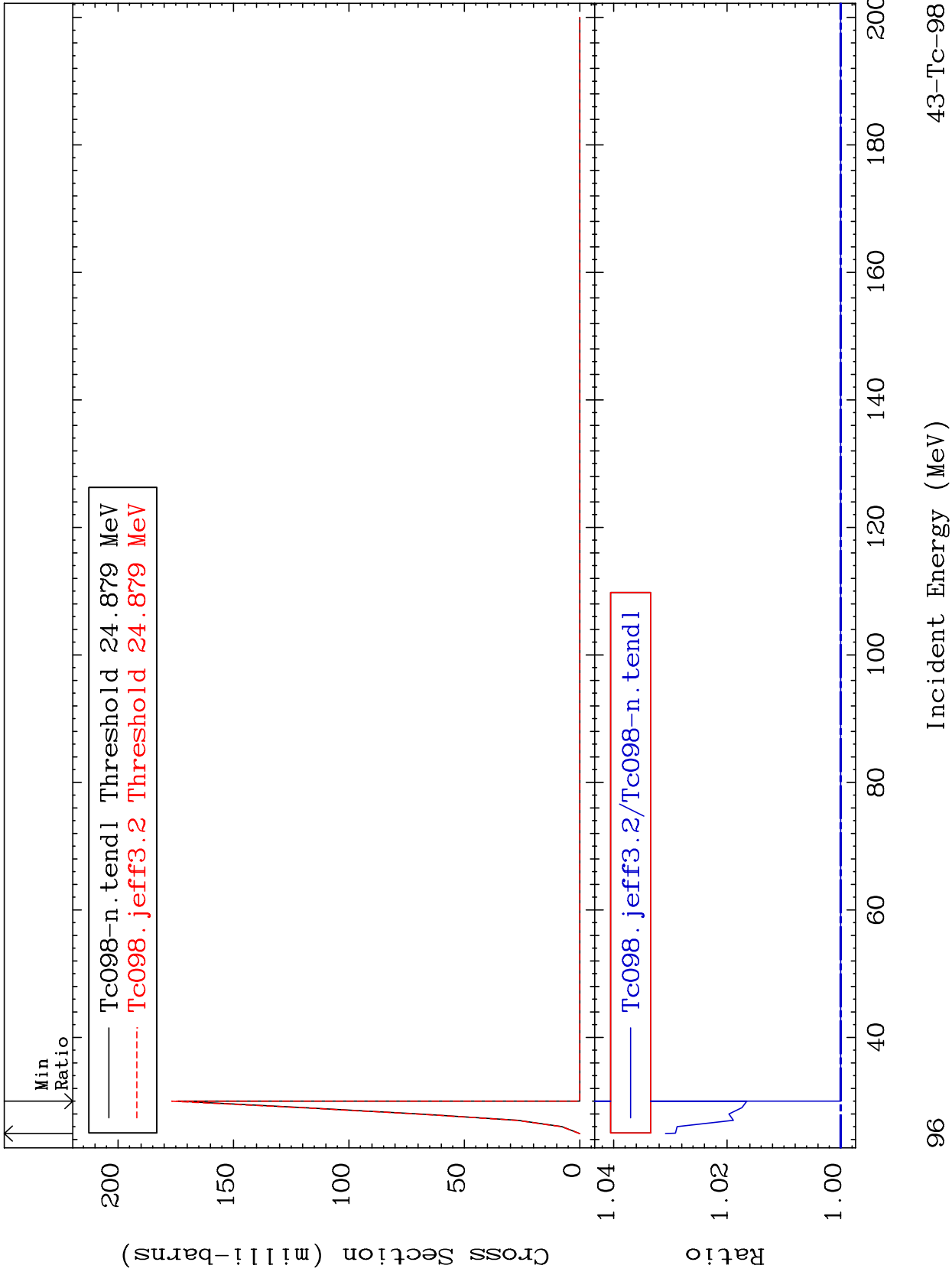


MAT 4322

(n, 4n) : 43-Tc-95g

43-Tc-98

Radionuclide Production Cross Section 0.000 To 3.086 %

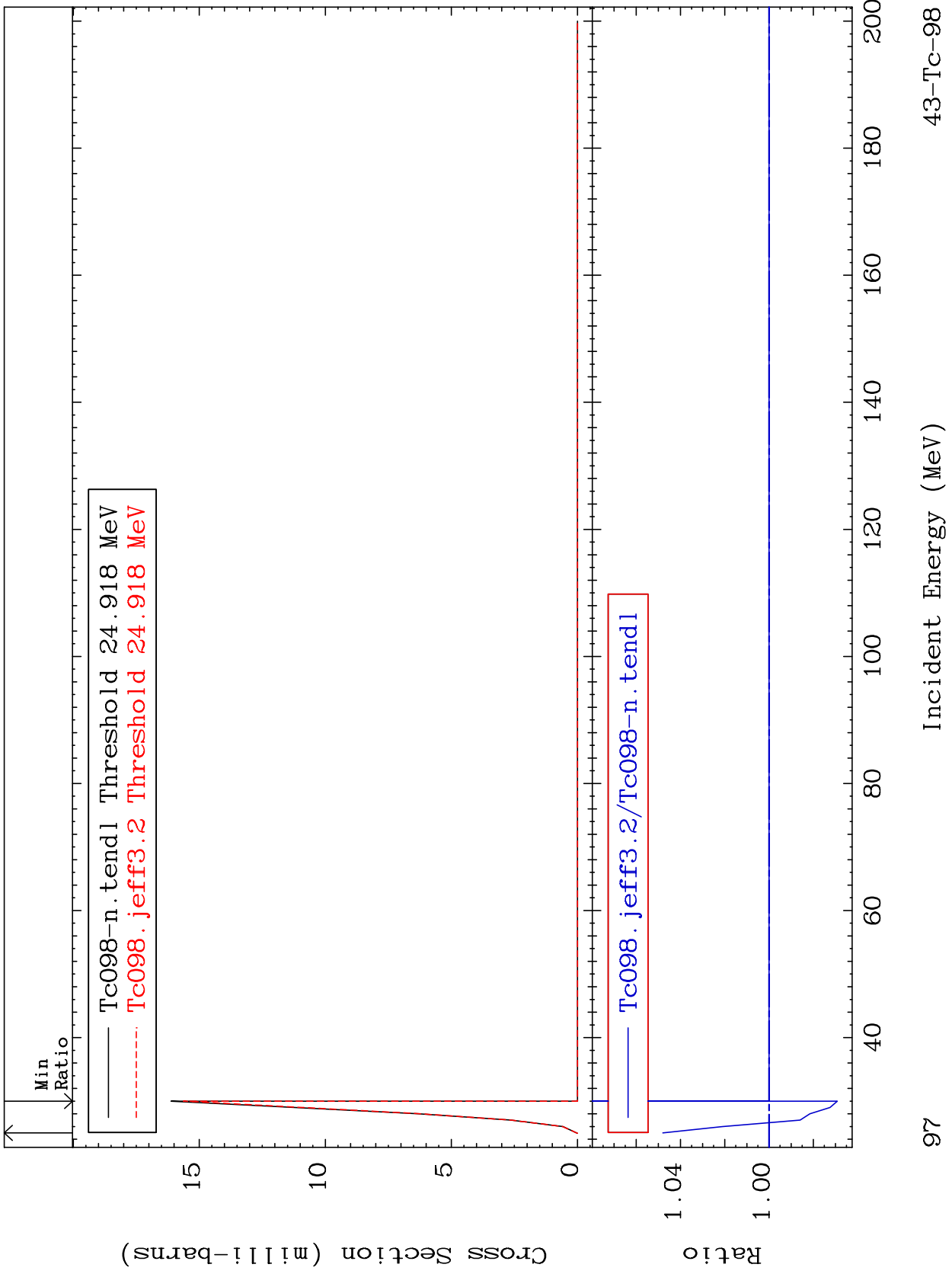


MAT 4322

(n, 4n) : 43-Tc-95m1

43-Tc-98

Radionuclide Production Cross Section -3.087 To 4.798 %

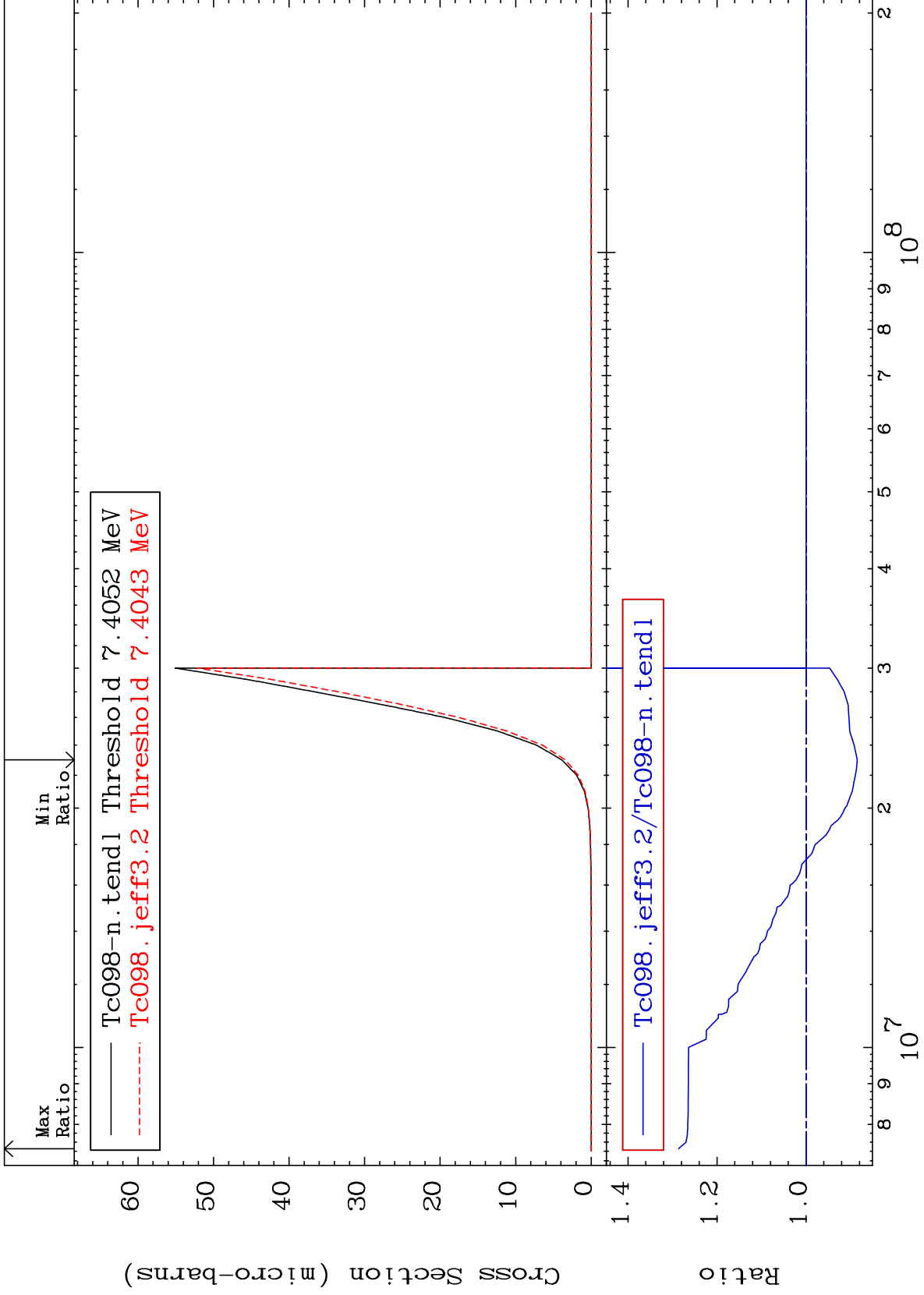


MAT 4322

(n,2p) : 41-Nb-97g

43-Tc-98

Radionuclide Production Cross Section -11.50 To 28.63 %

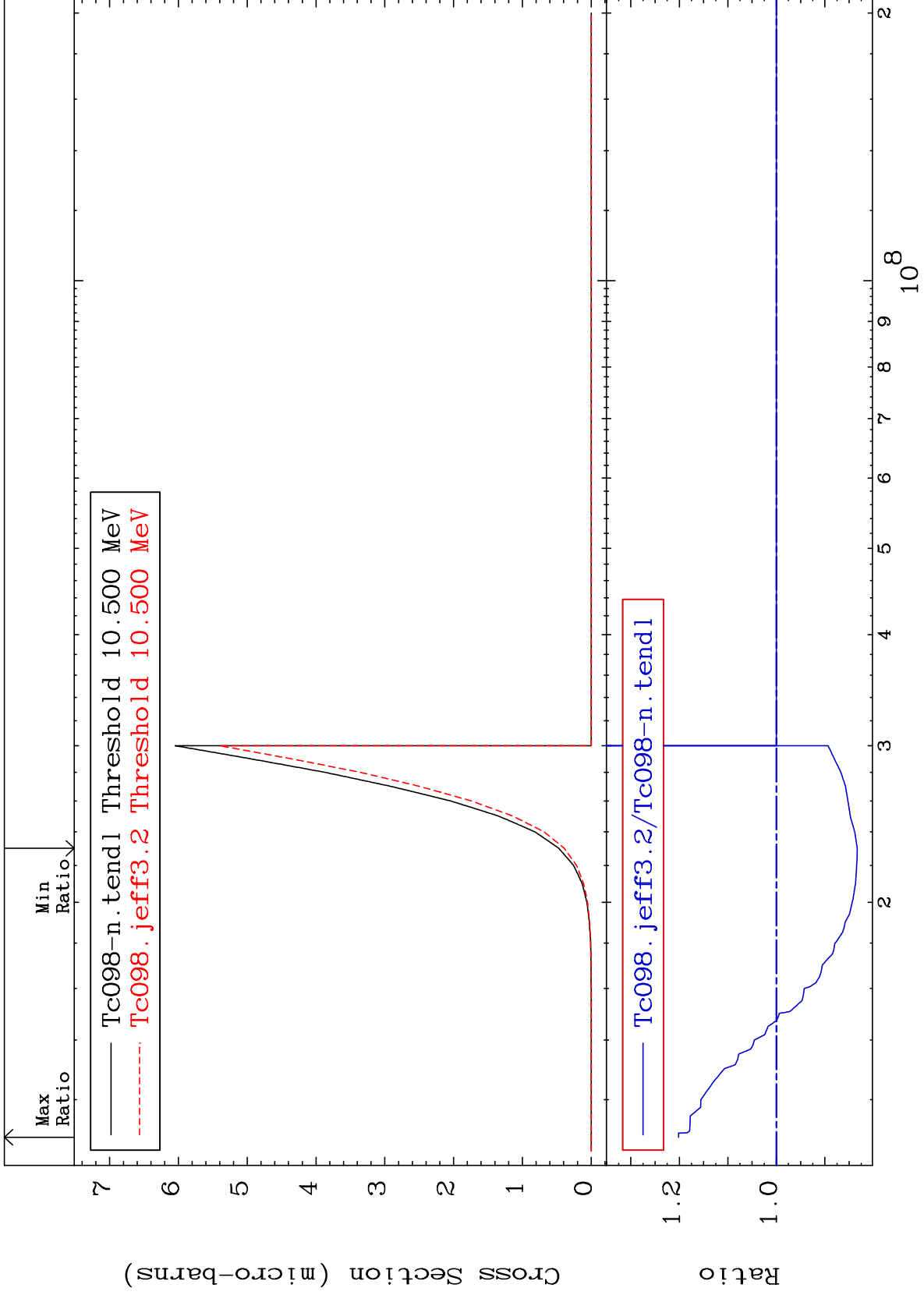


98

Incident Energy (eV)

43-Tc-98

Radionuclide Production Cross Section -16.68 To 20.15 %



Max Ratio
Min Ratio

— Tc098-n.tendl Threshold 10.500 MeV
- - - Tc098.jeff3.2 Threshold 10.500 MeV

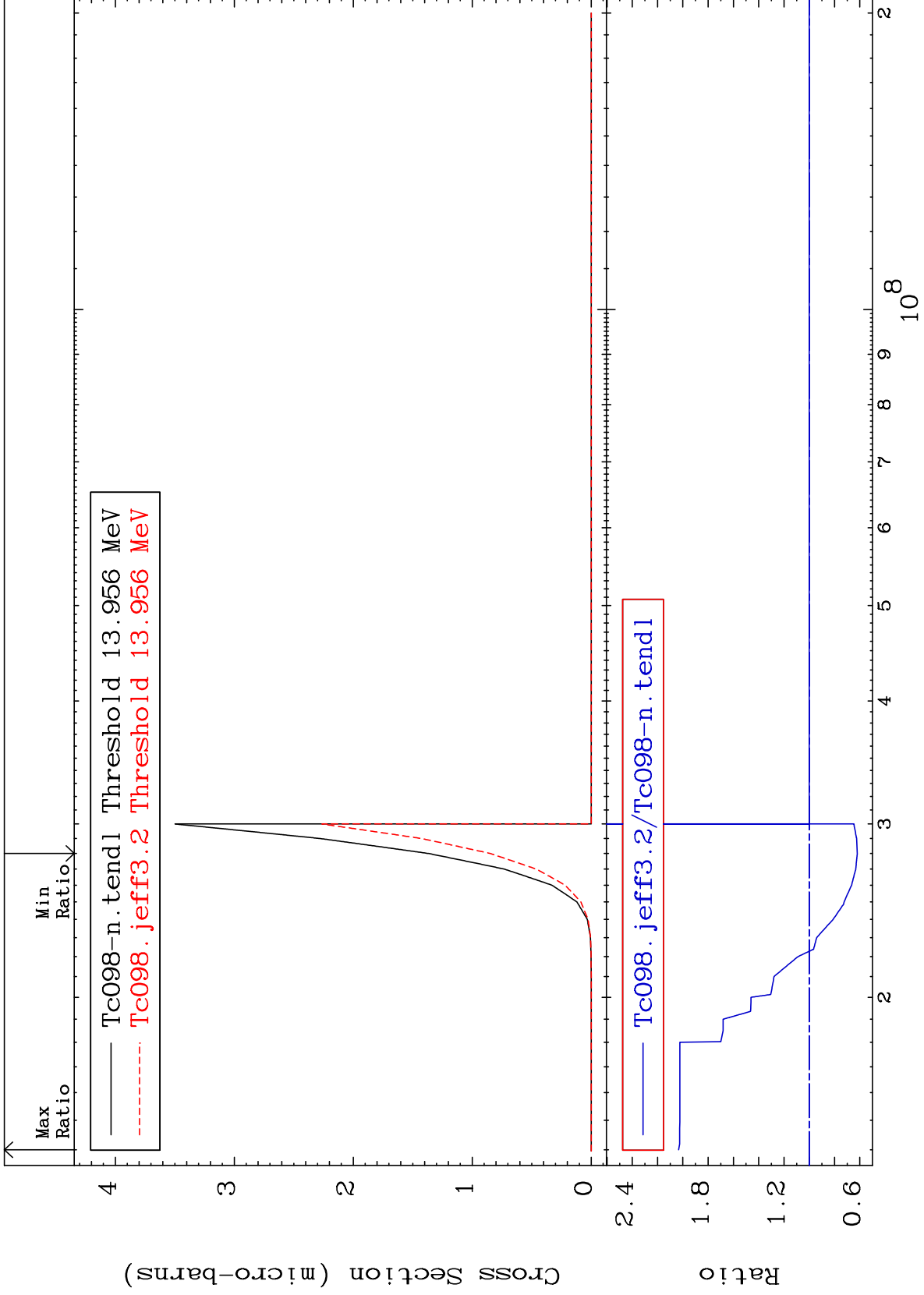
— Tc098.jeff3.2/Tc098-n.tendl

MAT 4322

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

43-Tc-98

Radionuclide Production Cross Section -37.96 To 103.3 %



100

Incident Energy (eV)

43-Tc-98

Radionuclide Production Cross Section -23.01 To 28.31 %

