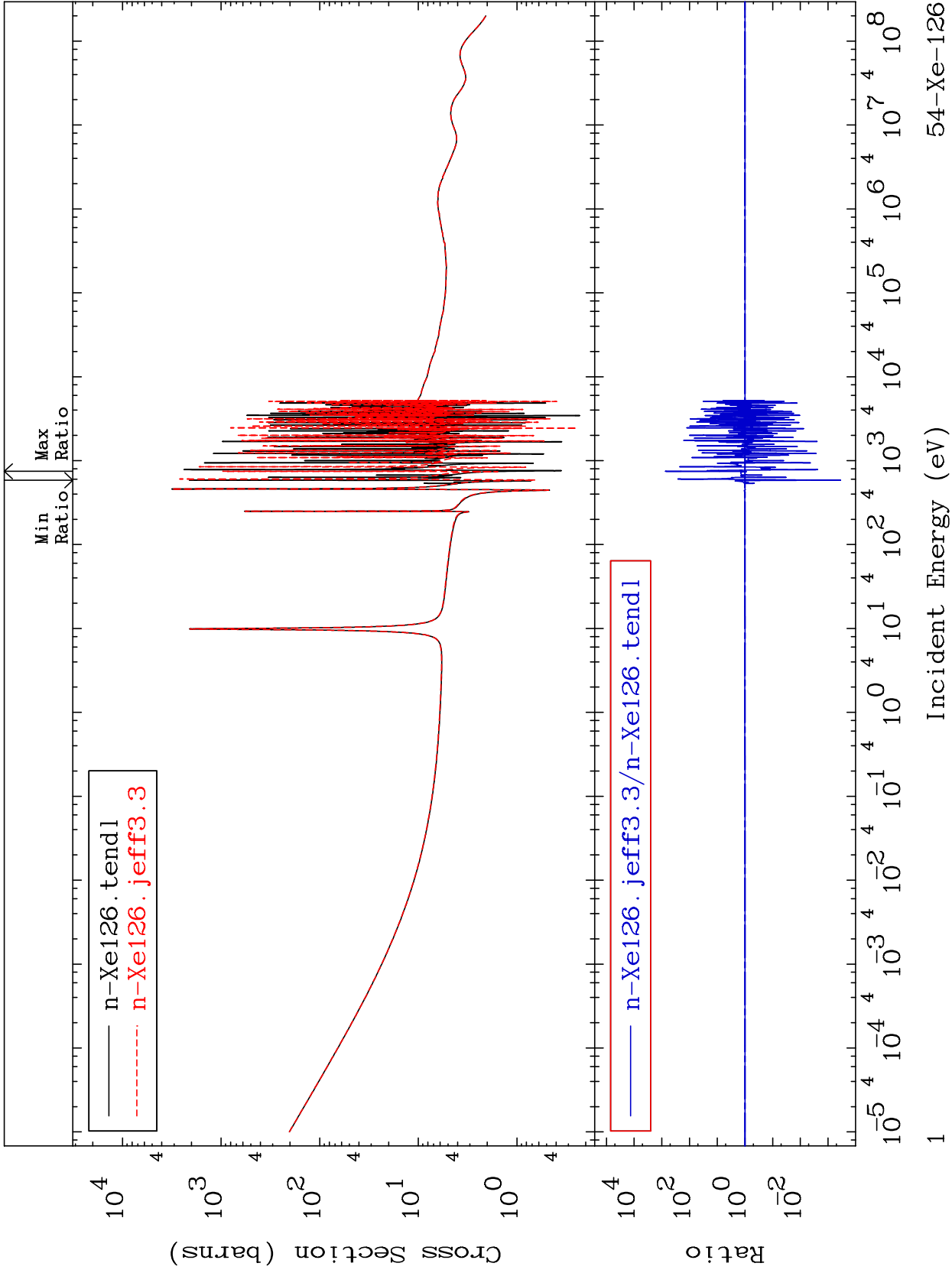


MAT 5431

Total Cross Section
54-Xe-126
-99.96 To 9999. %



54-Xe-126

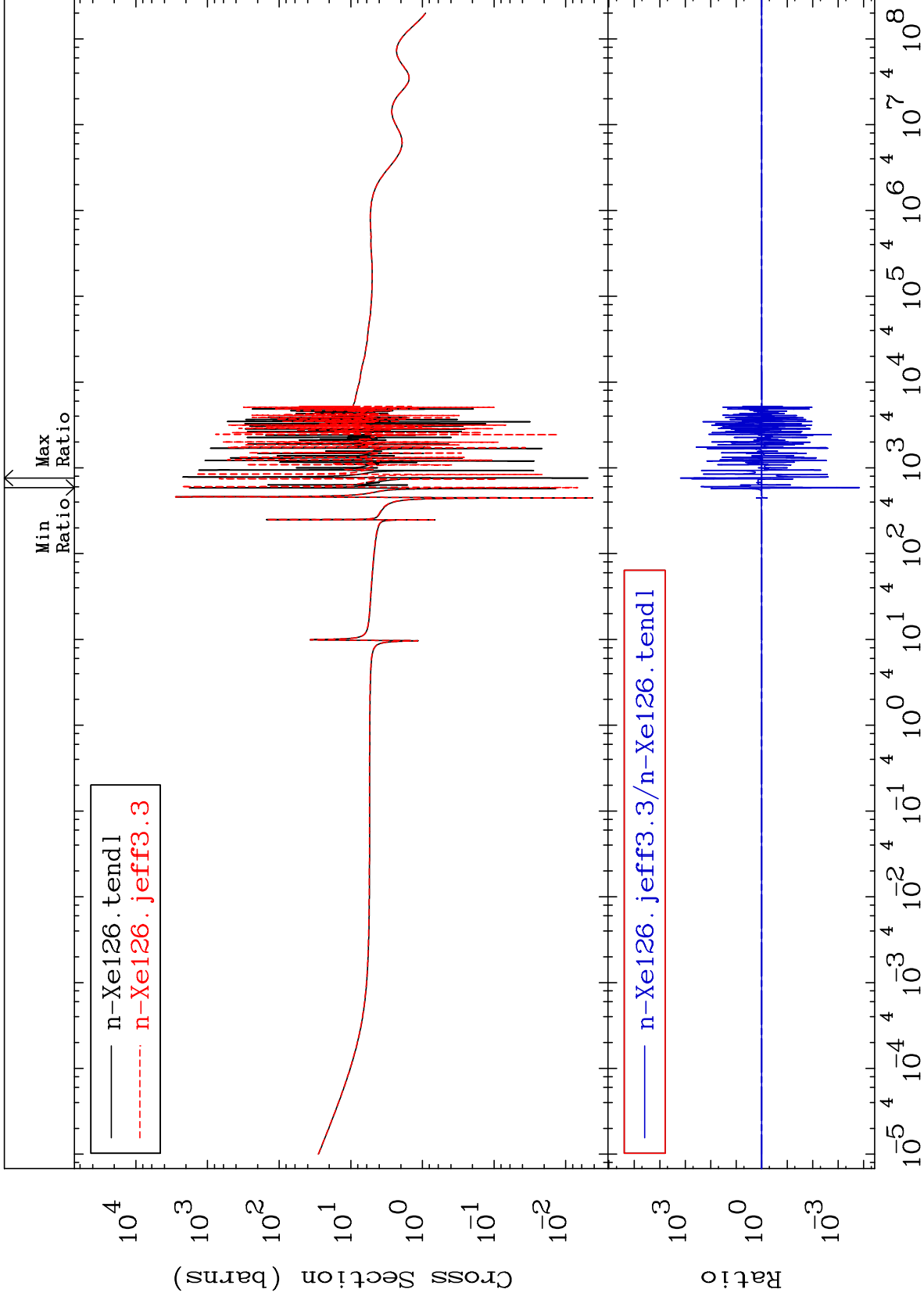
MAT 5431

Elastic

54-Xe-126

Cross Section

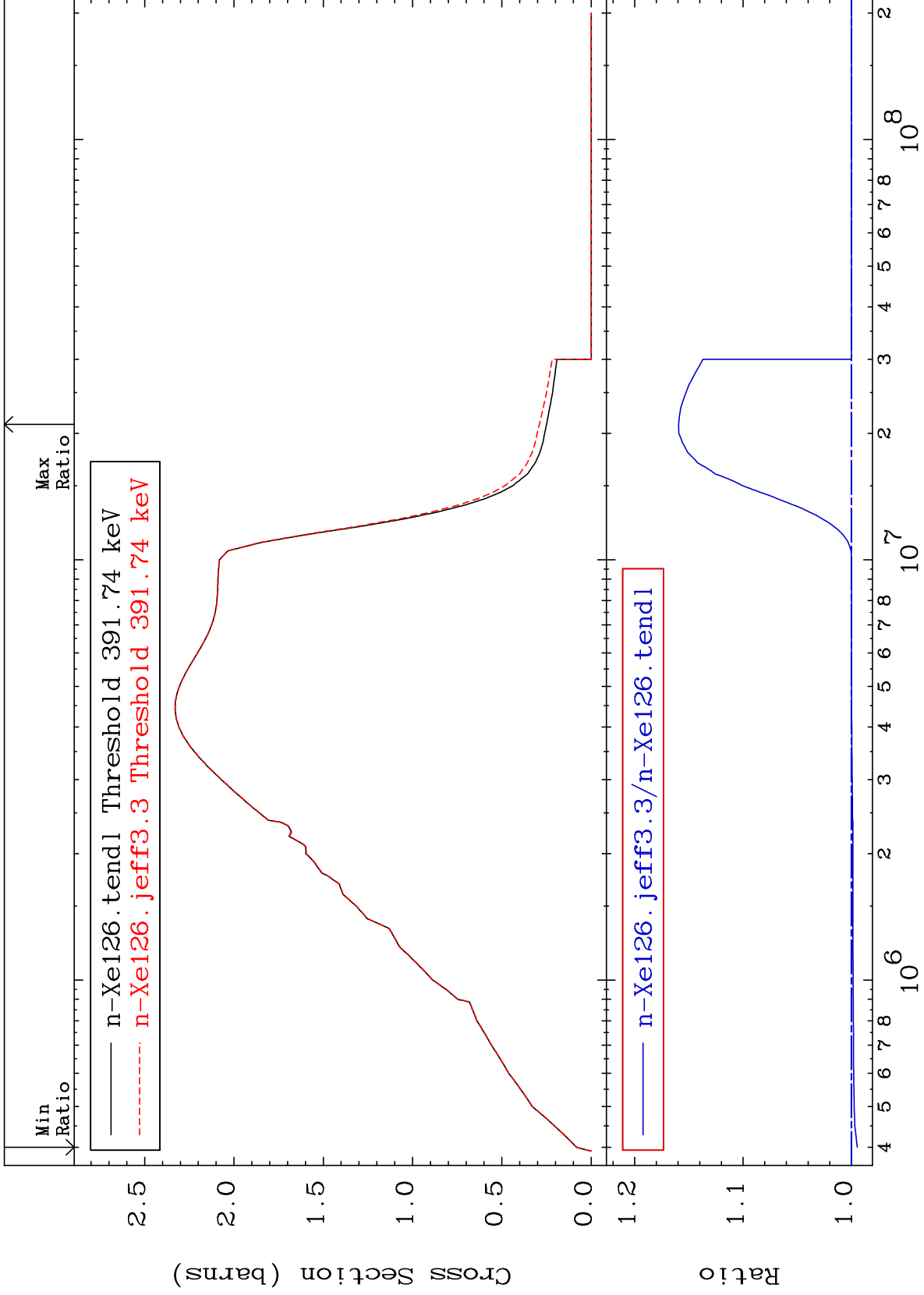
-99.99 To 9999. %



MAT 5431

Inelastic
Cross Section

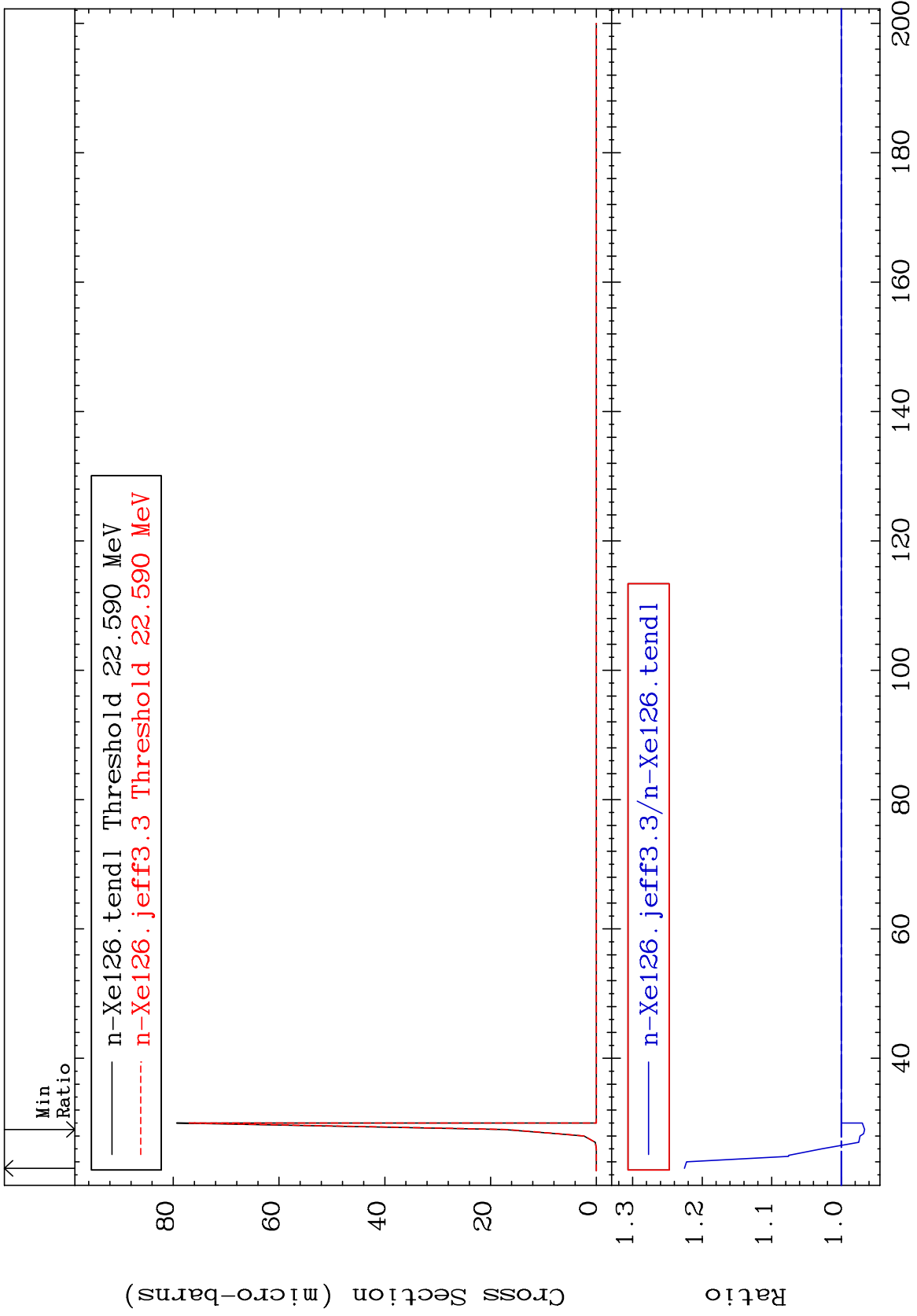
54-Xe-126
-0.540 To 15.94 %



MAT 5431

(n,2n) d
Cross Section

54-Xe-126
-3.353 To 22.55 %



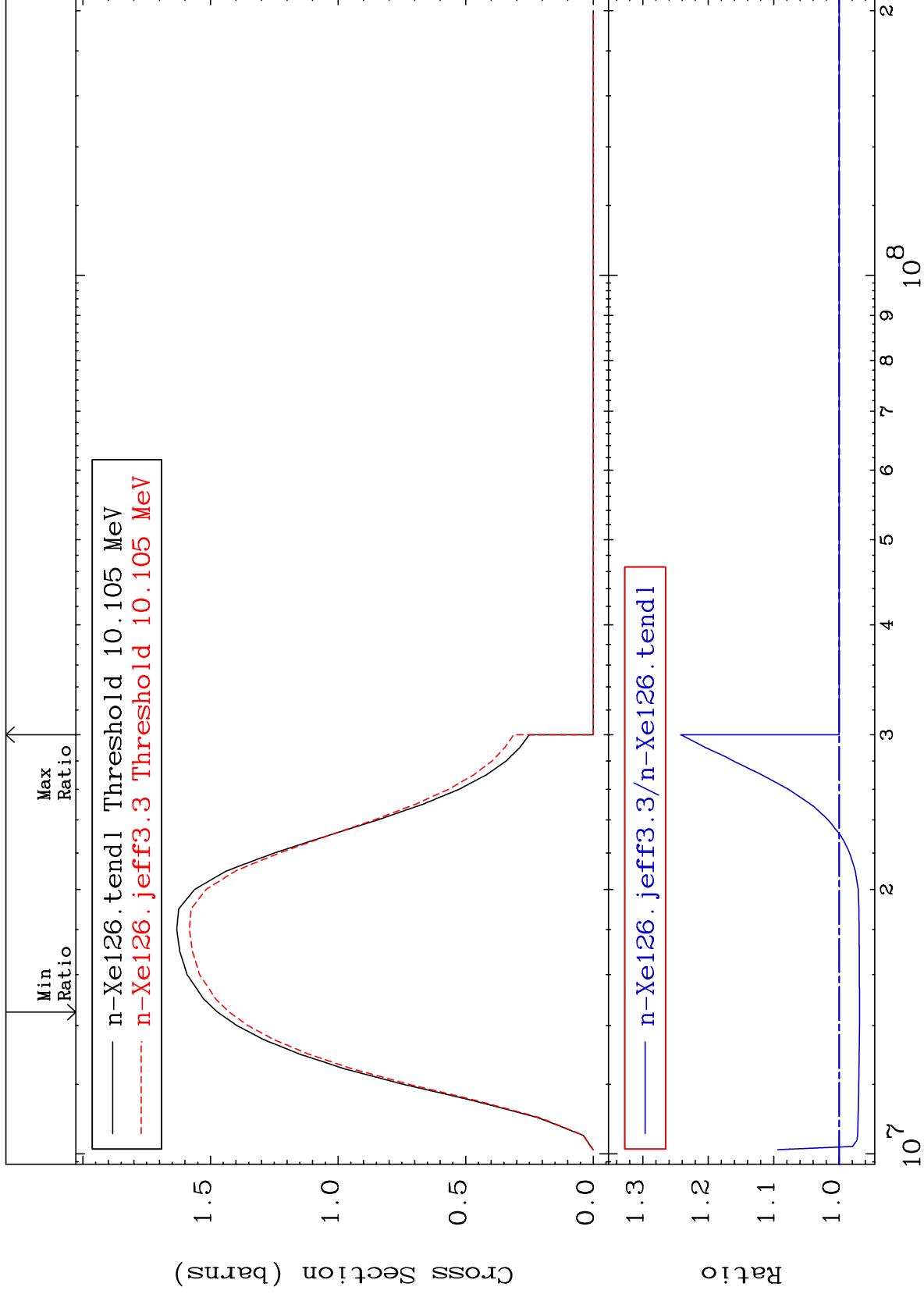
MAT 5431

(n,2n)

54-Xe-126

Cross Section

-3.102 To 24.20 %



Incident Energy (eV)

54-Xe-126

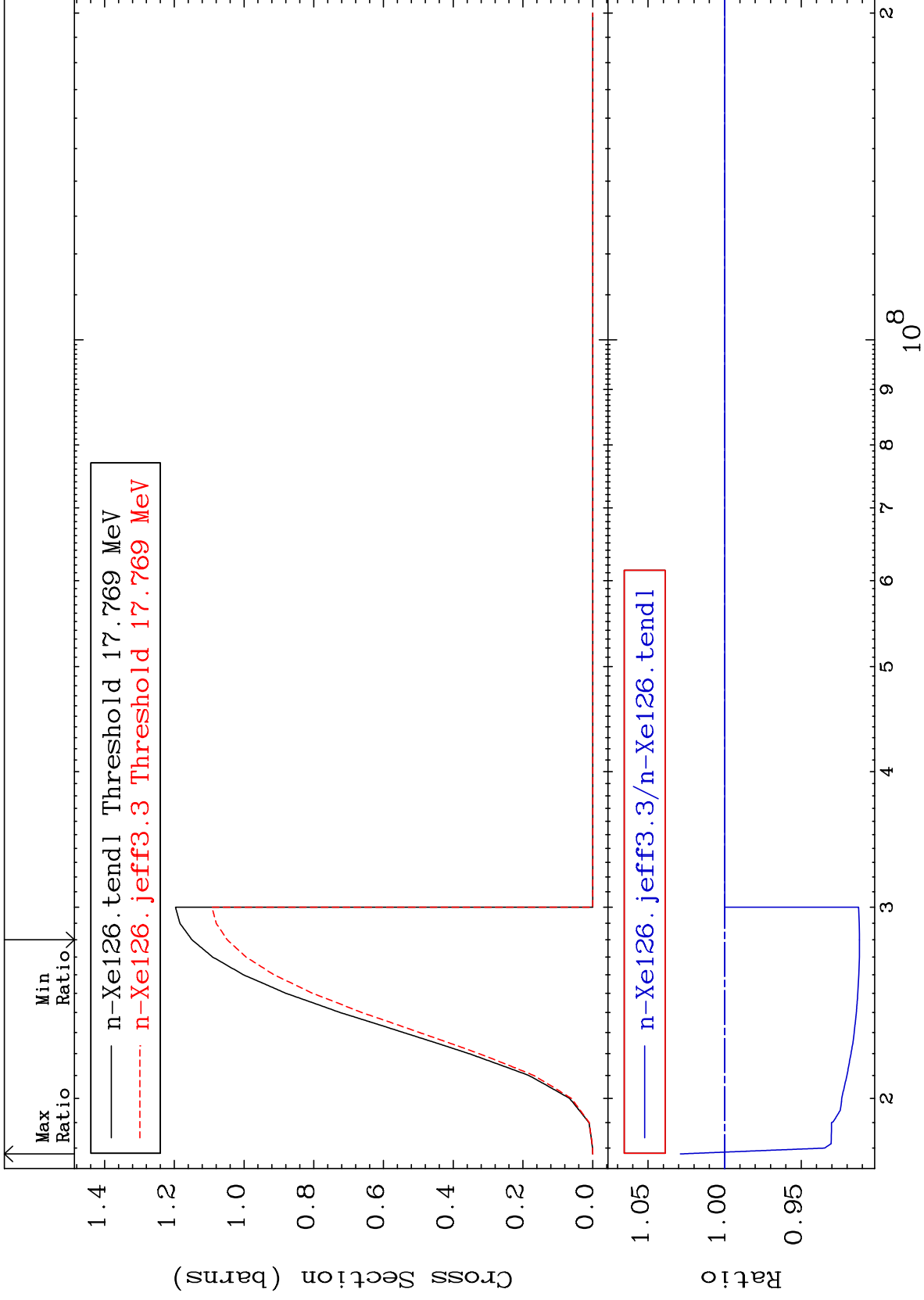
MAT 5431

(n,3n)

54-Xe-126

Cross Section

-8.803 To 2.892 %



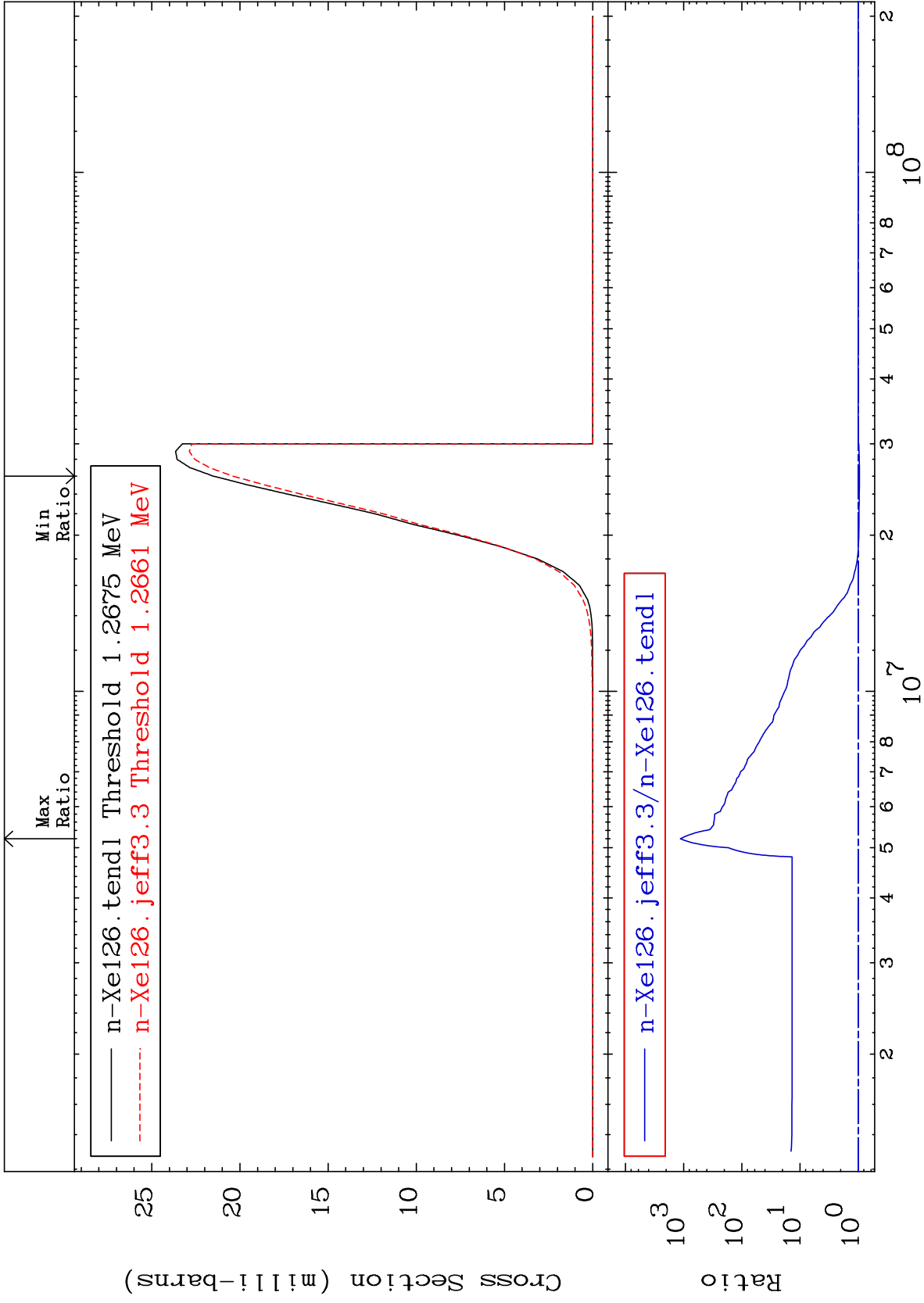
MAT 5431

(n, n') α

54-Xe-126

Cross Section

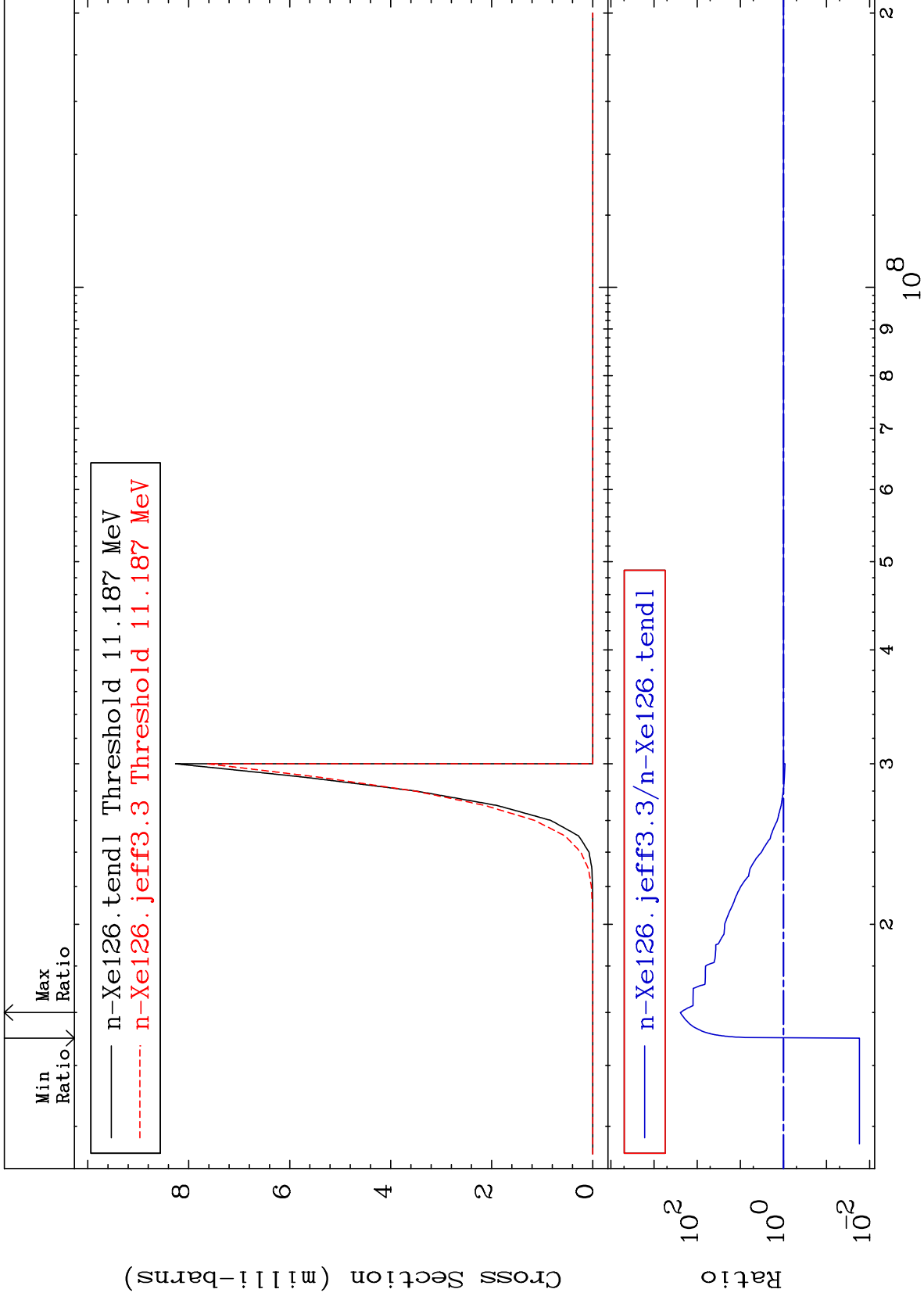
-5.114 To 9999. %



MAT 5431

(n,2n) α
Cross Section

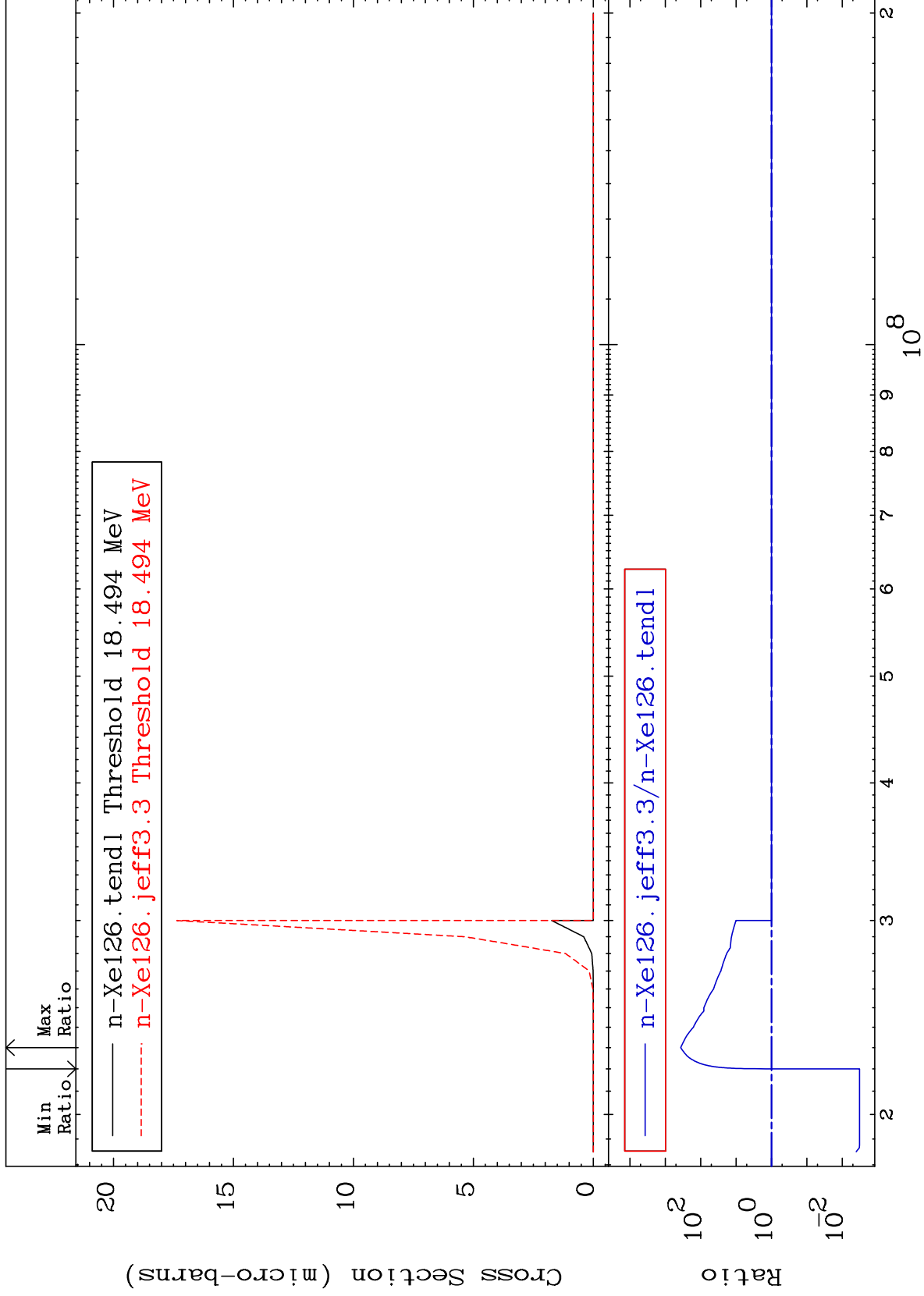
54-Xe-126
-98.27 To 9999. %



MAT 5431

(n,3n) α
Cross Section

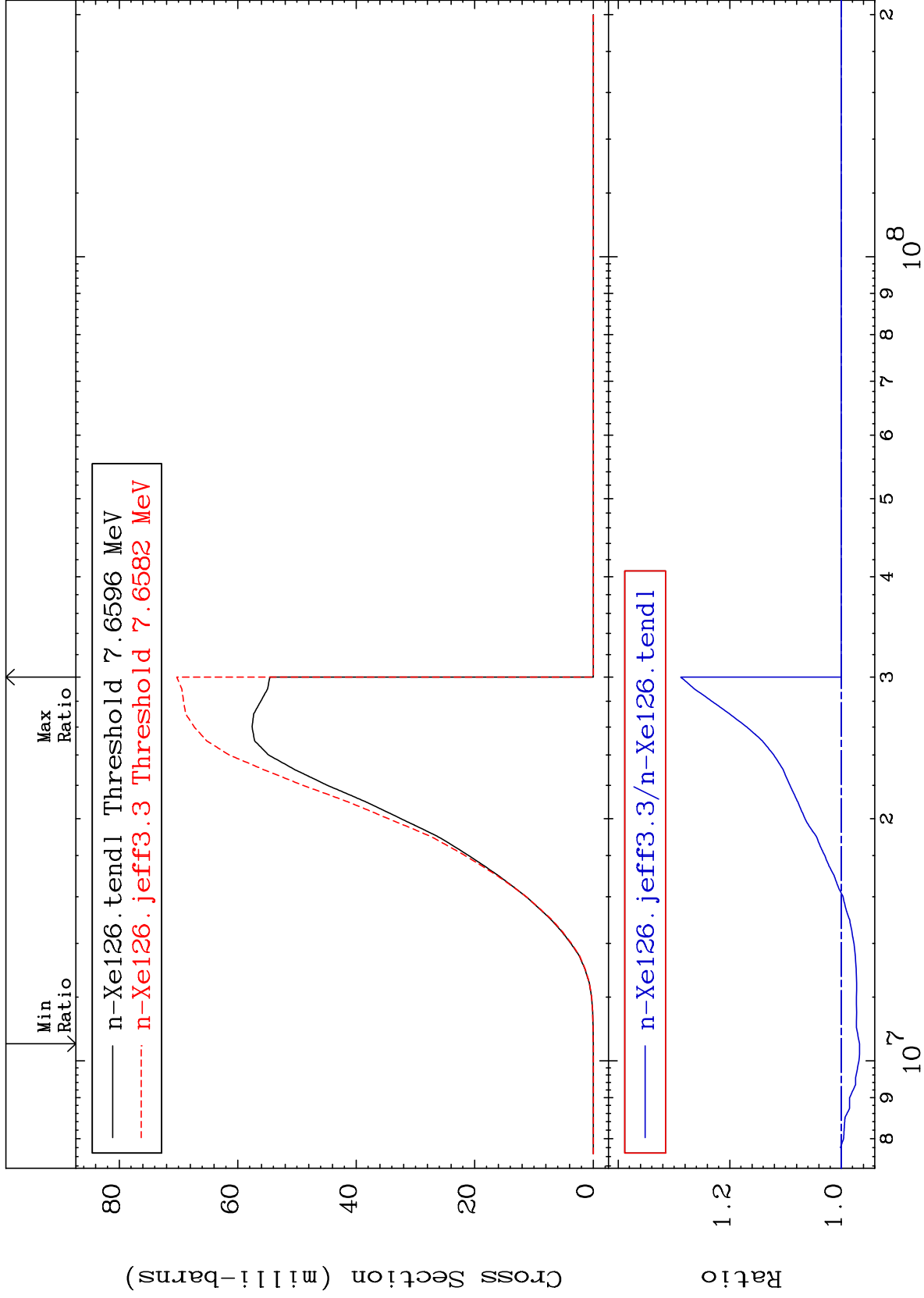
54-Xe-126
-99.68 To 9999. %



MAT 5431

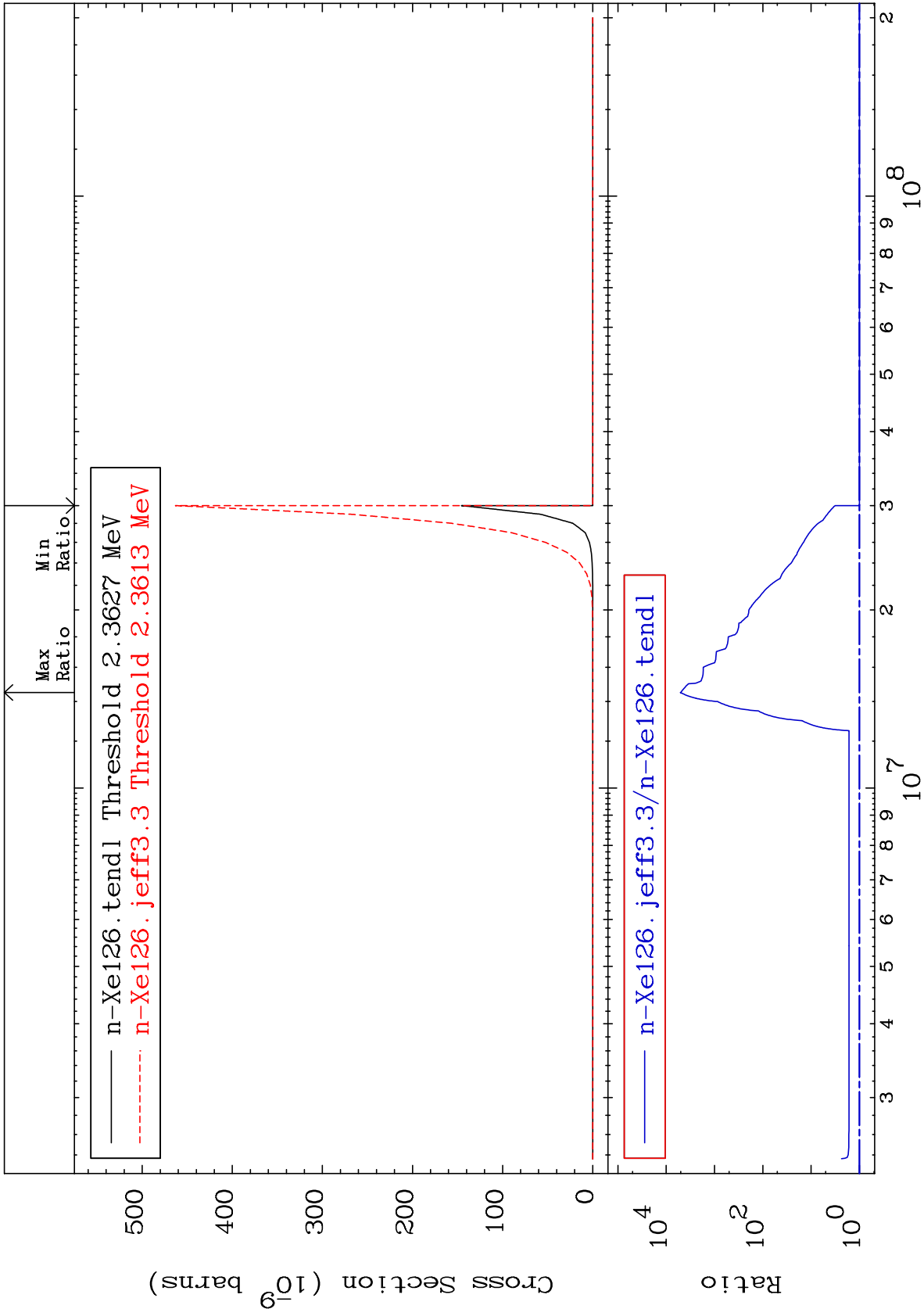
(n,n') p
Cross Section

54-Xe-126
-3.276 To 28.79 %



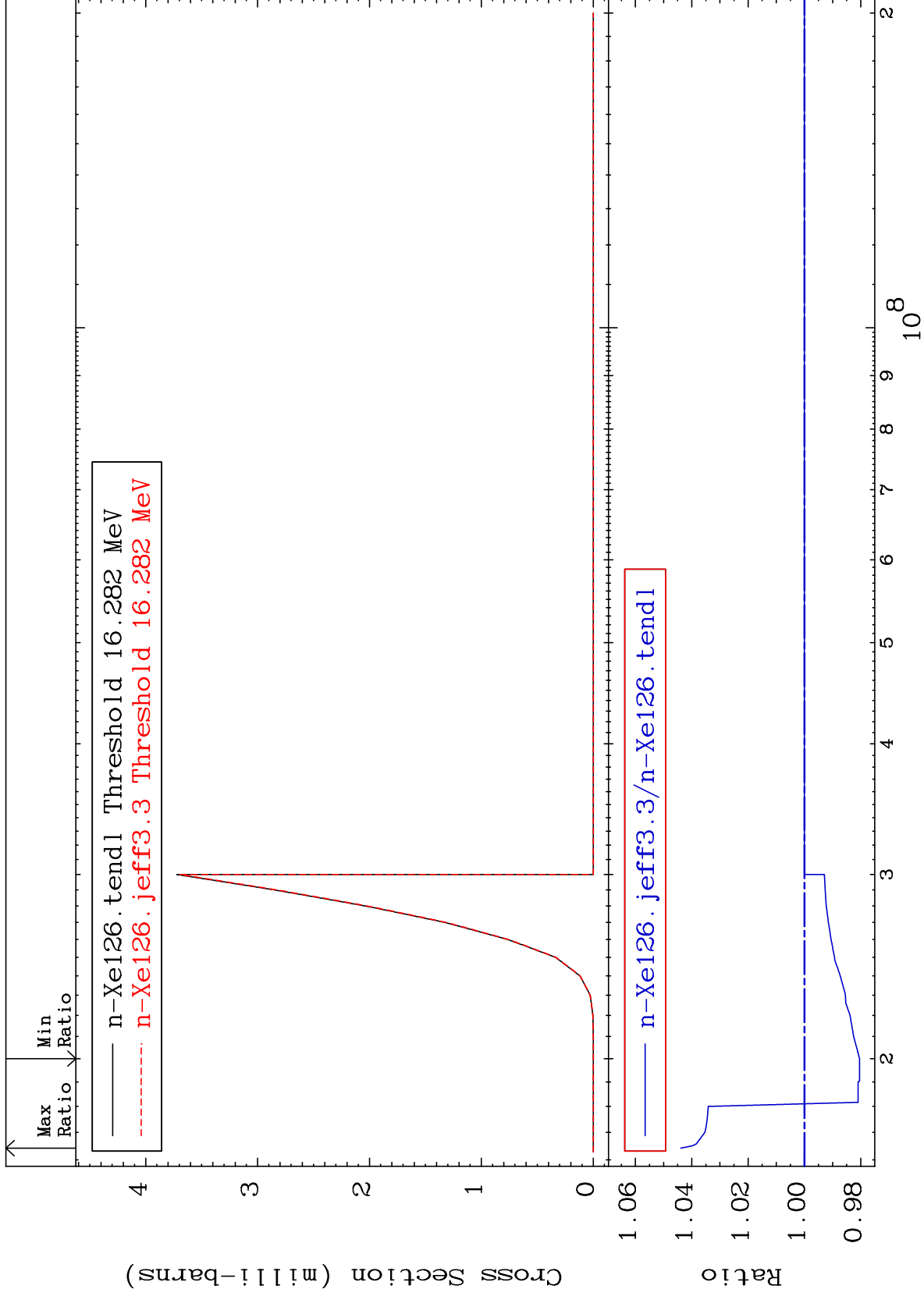
MAT 5431

(n, n') 2α
Cross Section
0.000 To 9999. %
54-Xe-126



Cross Section

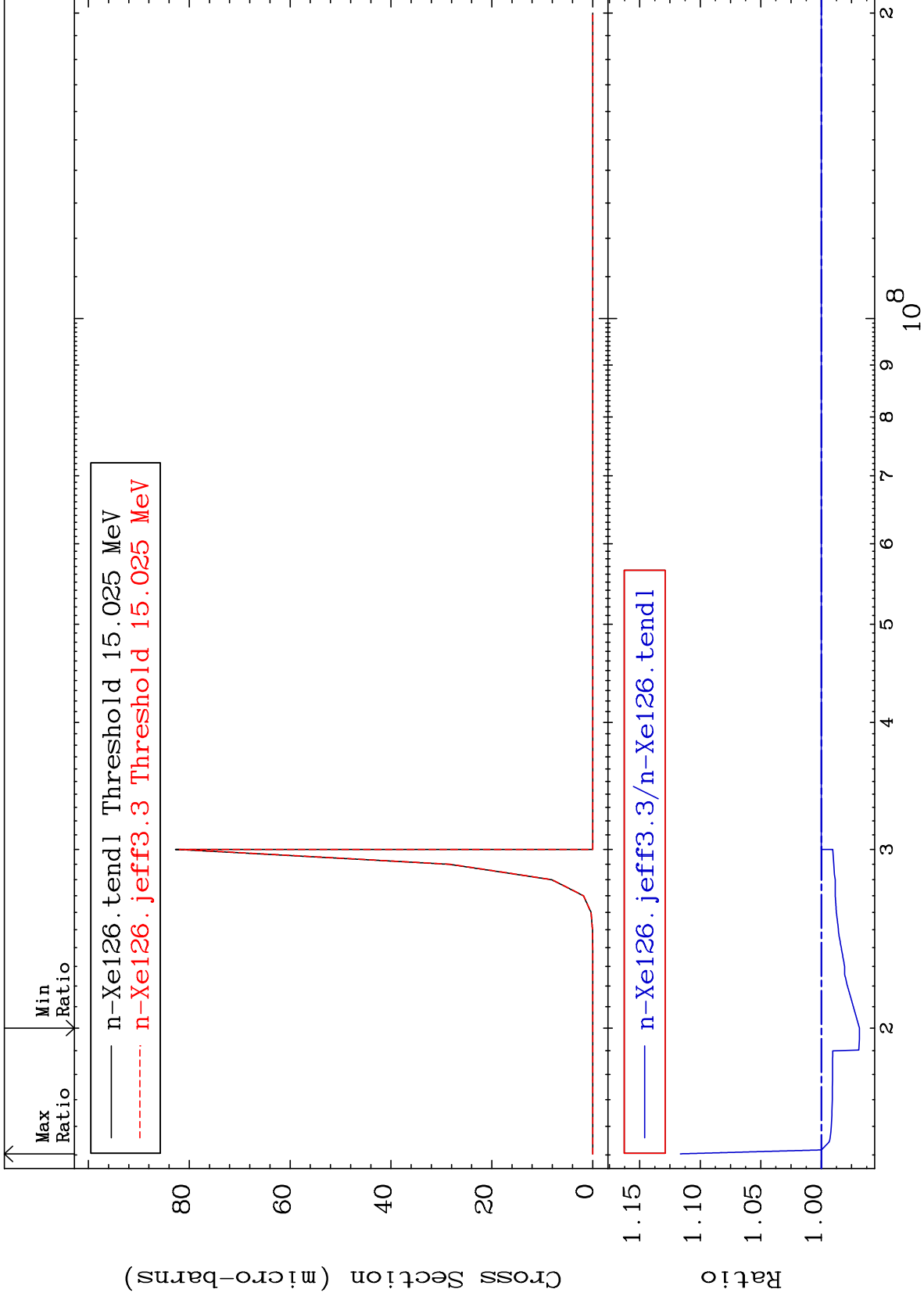
-1.956 To 4.390 %

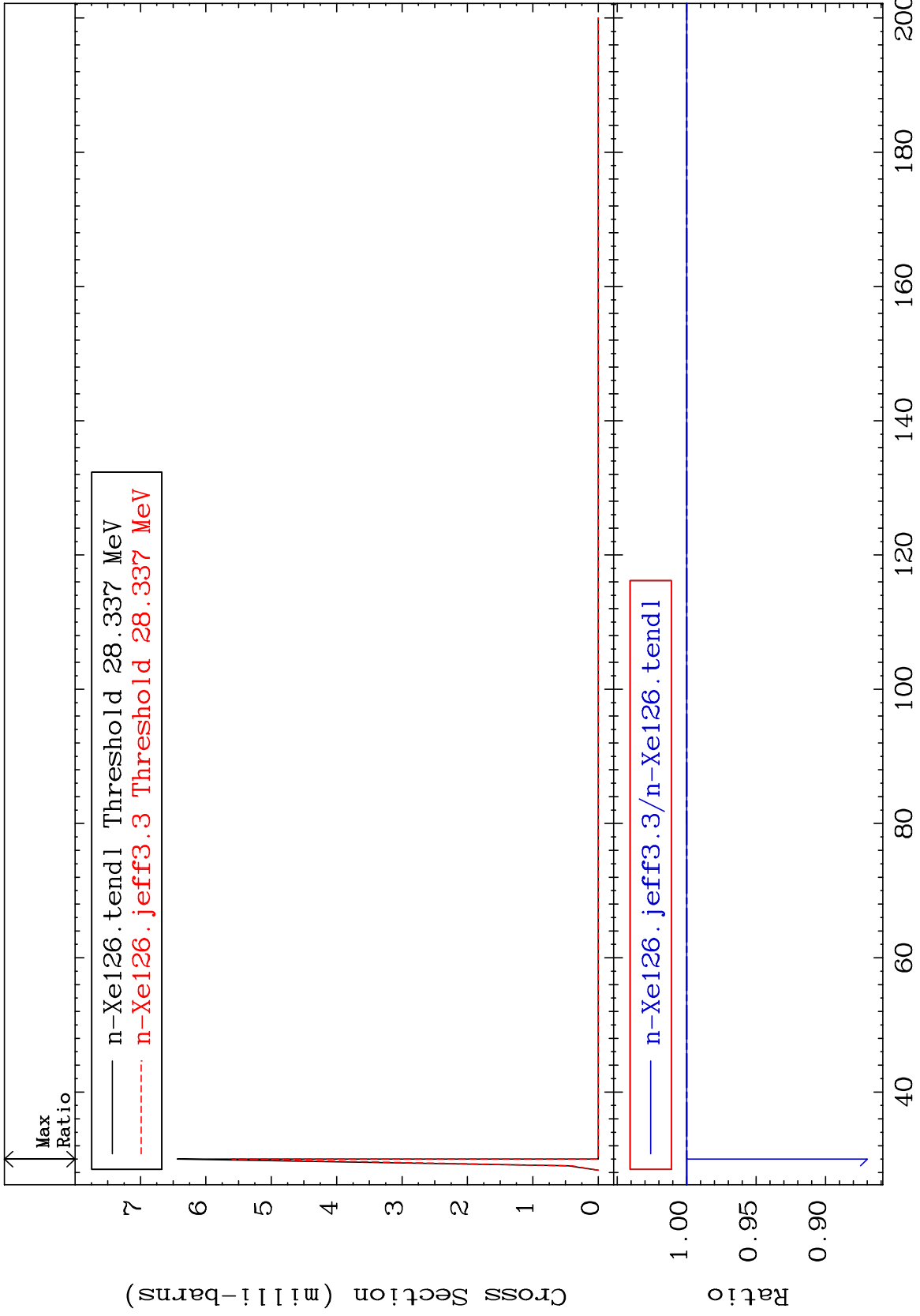


MAT 5431

(n, n') He-3
Cross Section

54-Xe-126
-3.147 To 11.64 %

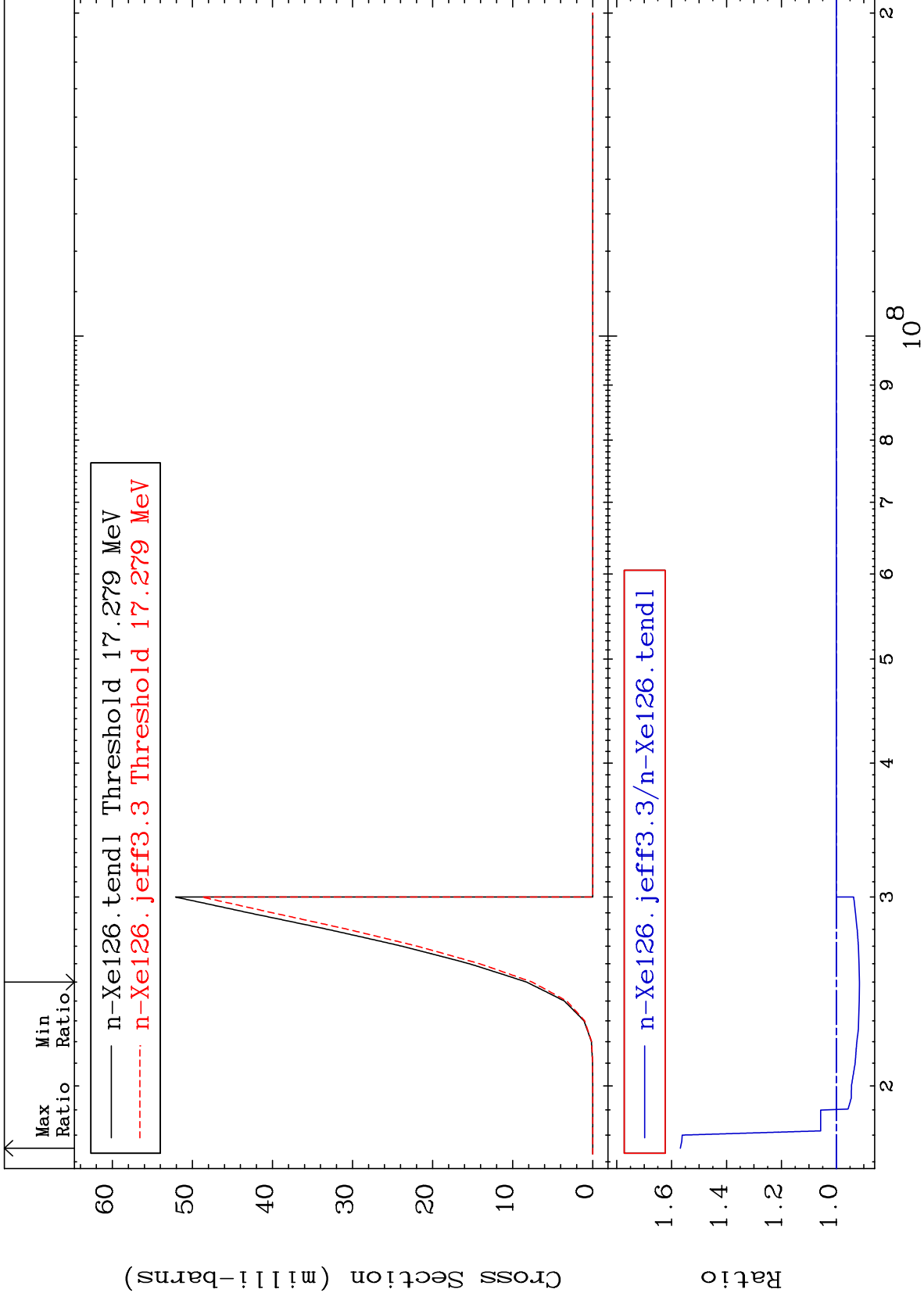




MAT 5431

(n,2n) p
Cross Section

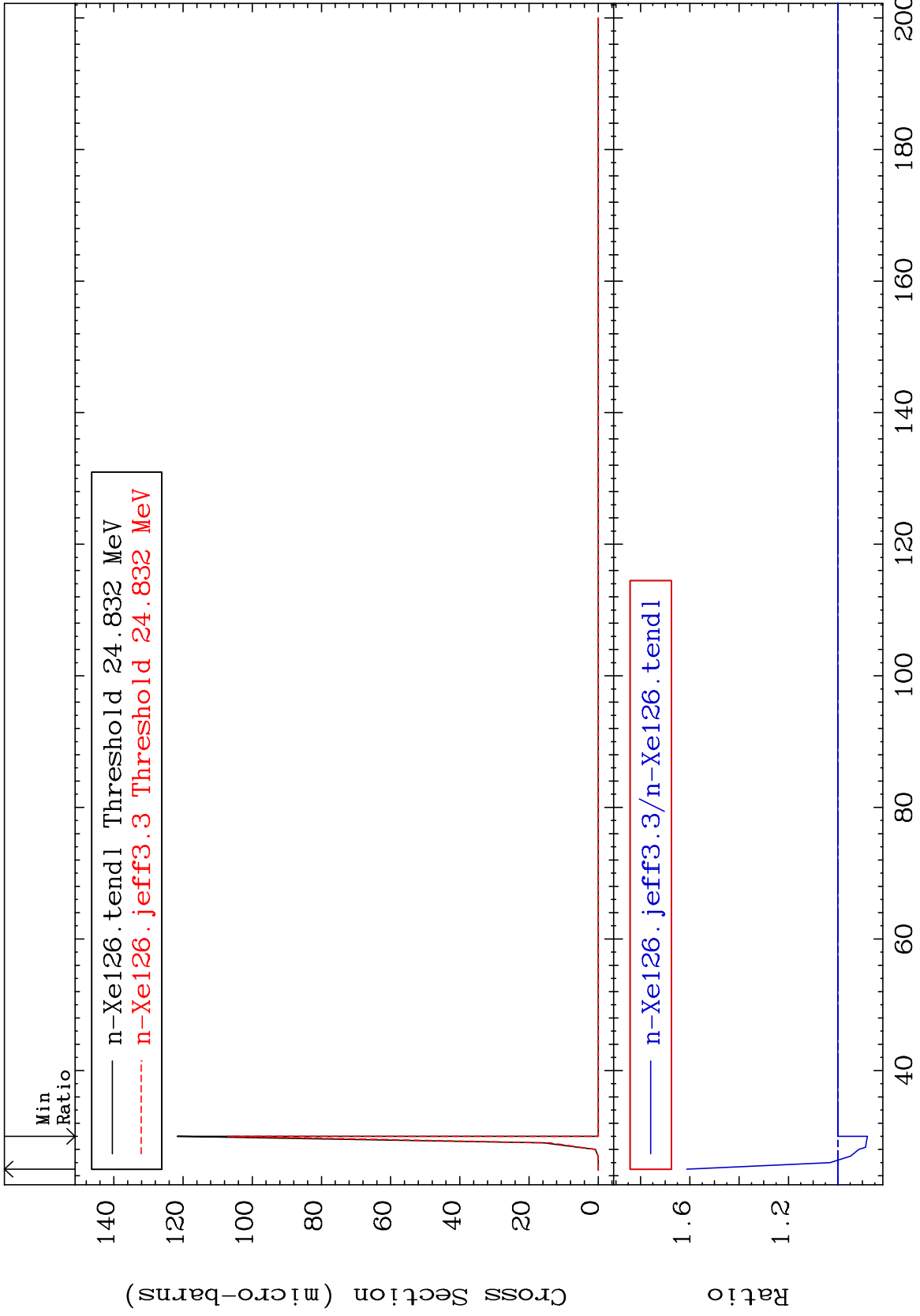
54-Xe-126
-8.402 To 56.81 %



16

Incident Energy (eV)

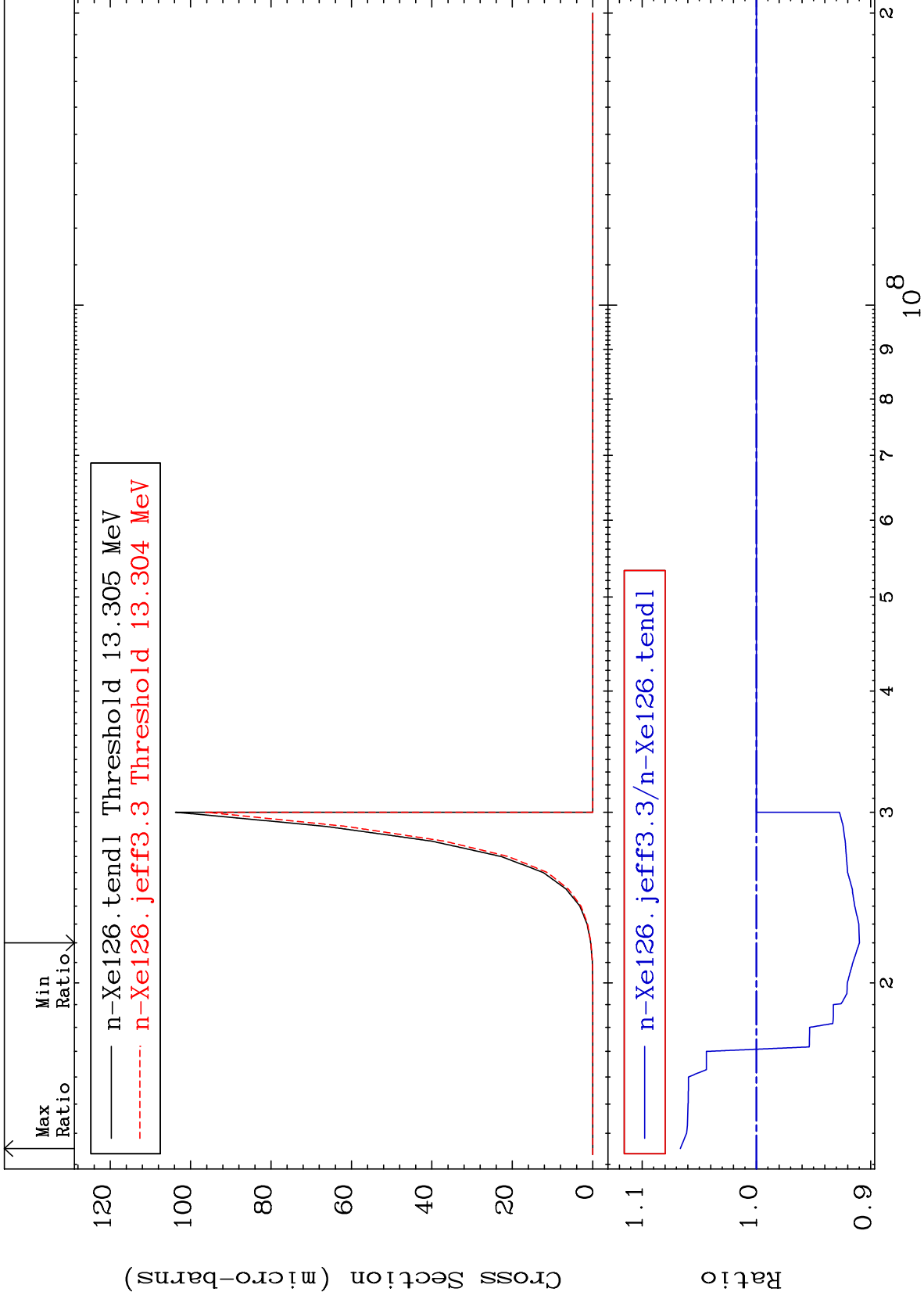
54-Xe-126



MAT 5431

(n,2n) p
Cross Section

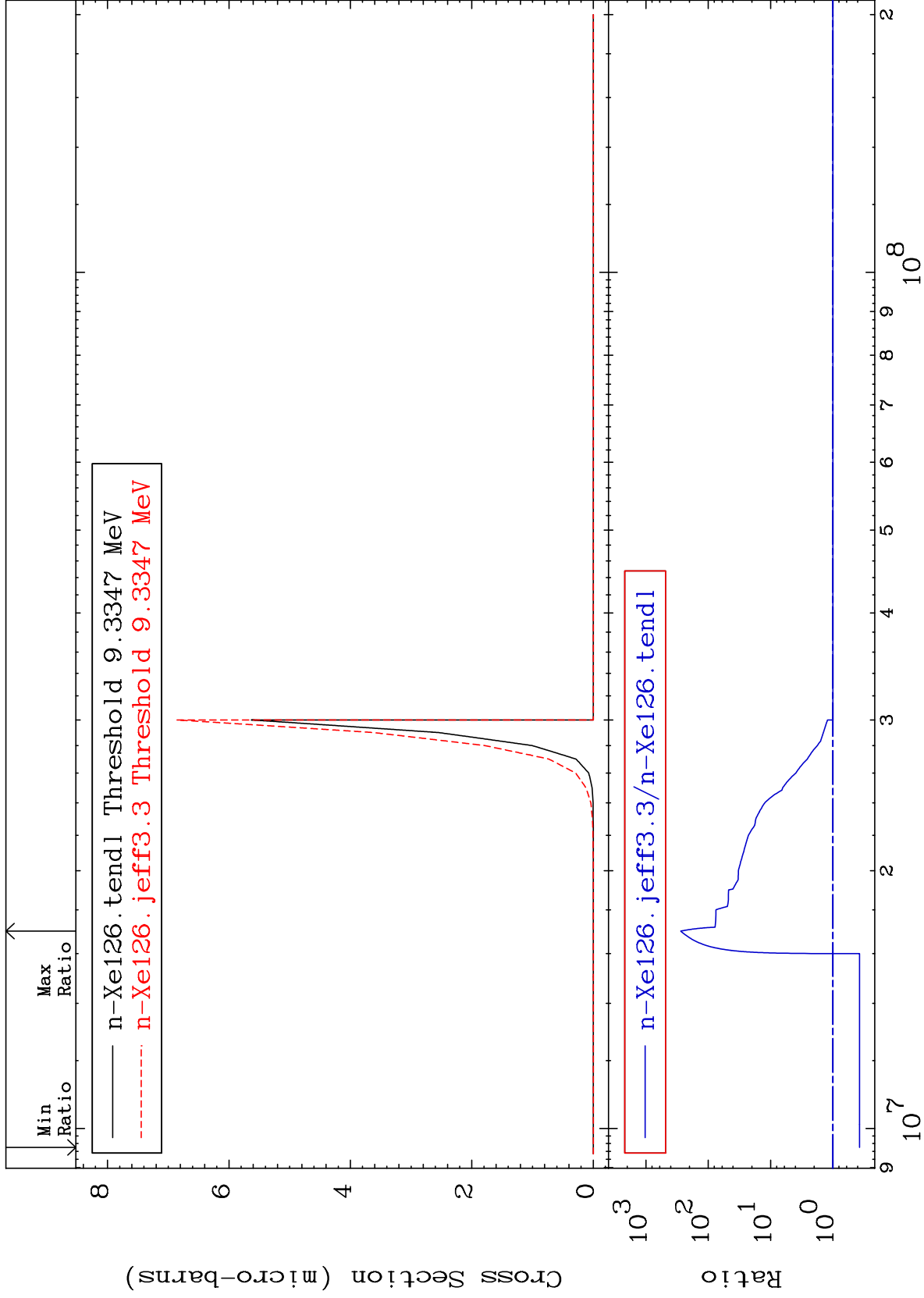
54-Xe-126
-9.023 To 6.657 %



MAT 5431

(n,n') p α
Cross Section

54-Xe-126
-62.66 To 9999. %



19

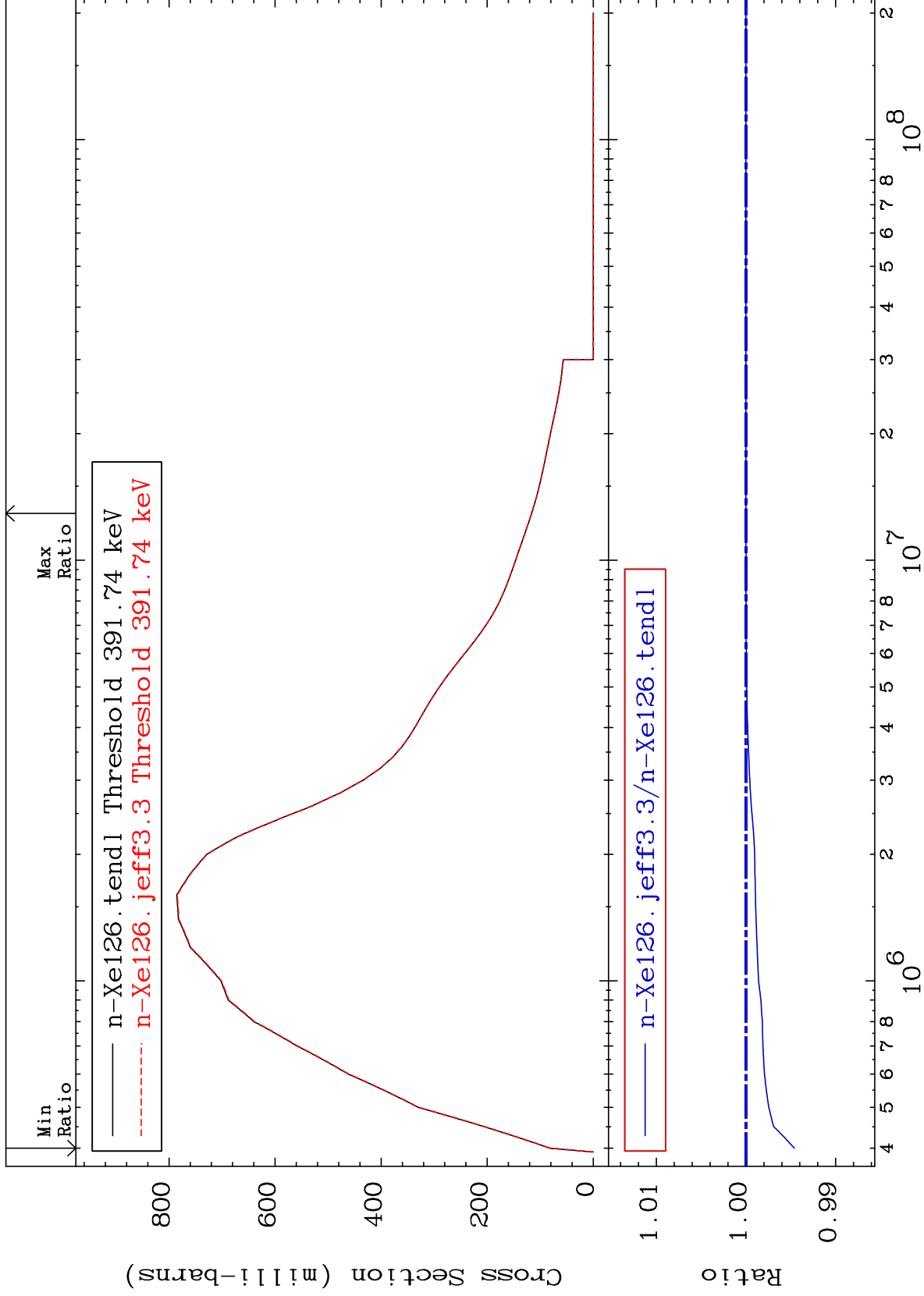
Incident Energy (eV)

54-Xe-126

MAT 5431

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

54-Xe-126
-0.540 To 0.000 %



20

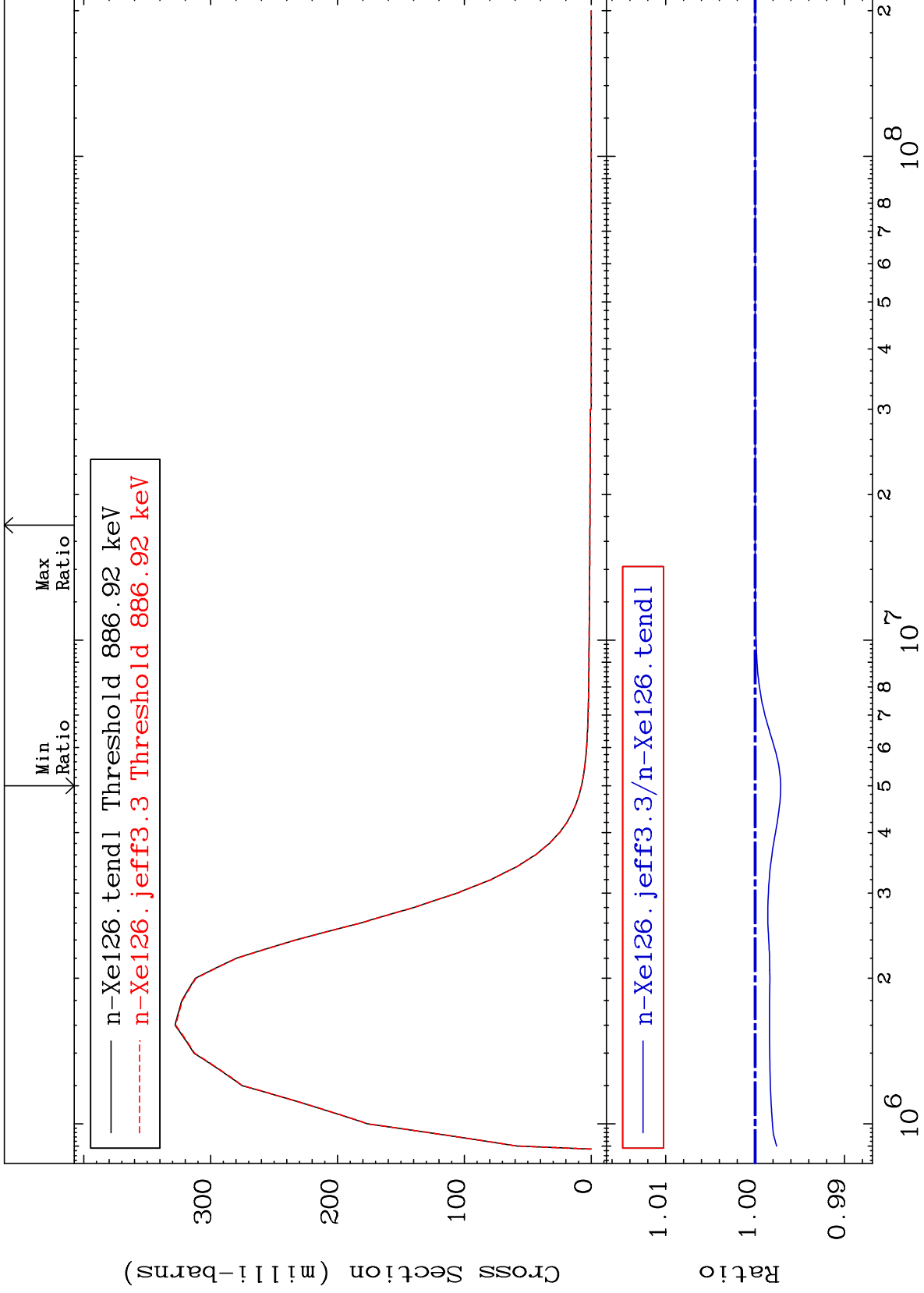
Incident Energy (eV)

54-Xe-126

MAT 5431

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

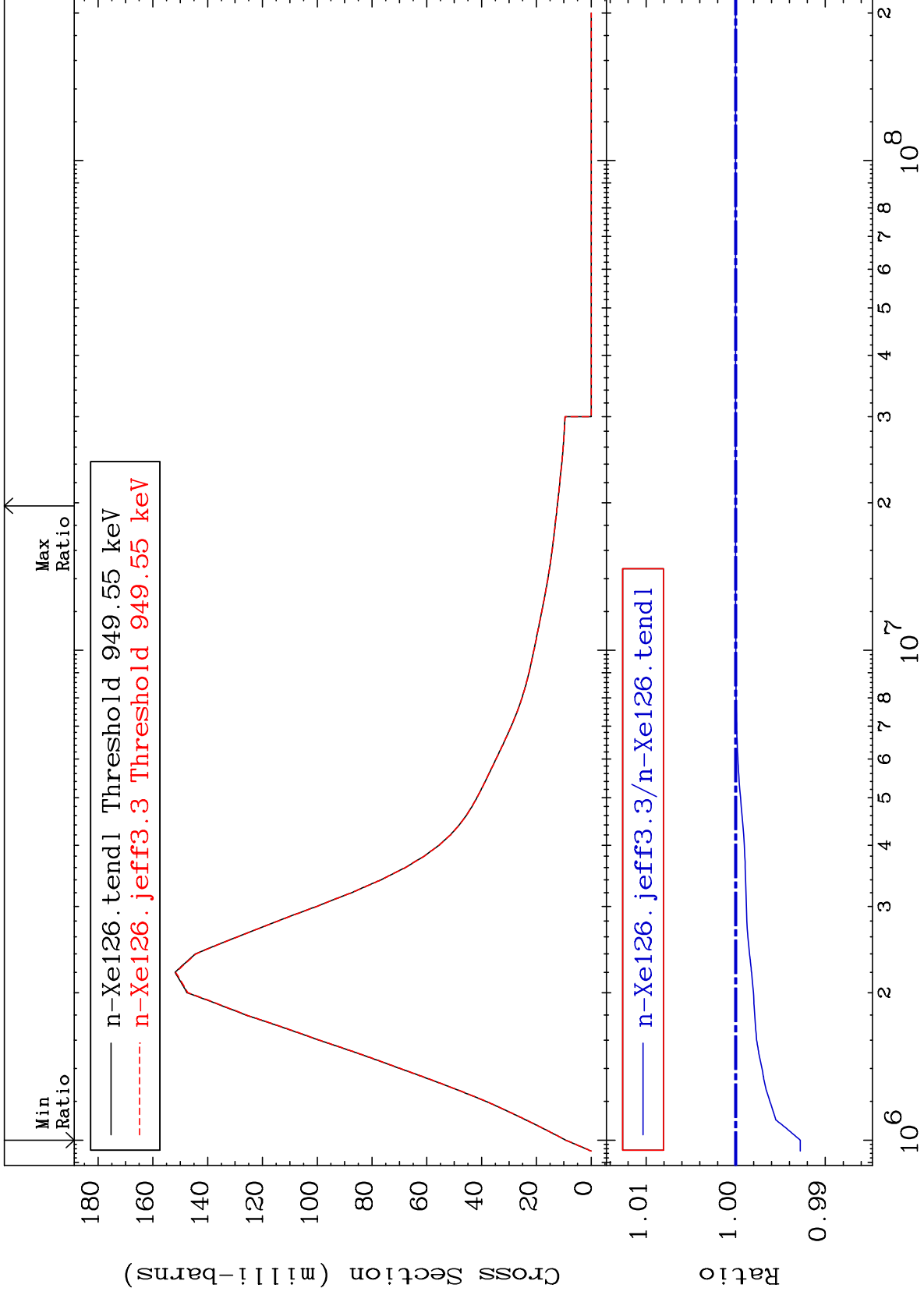
54-Xe-126
-0.286 To 0.000 %



MAT 5431

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

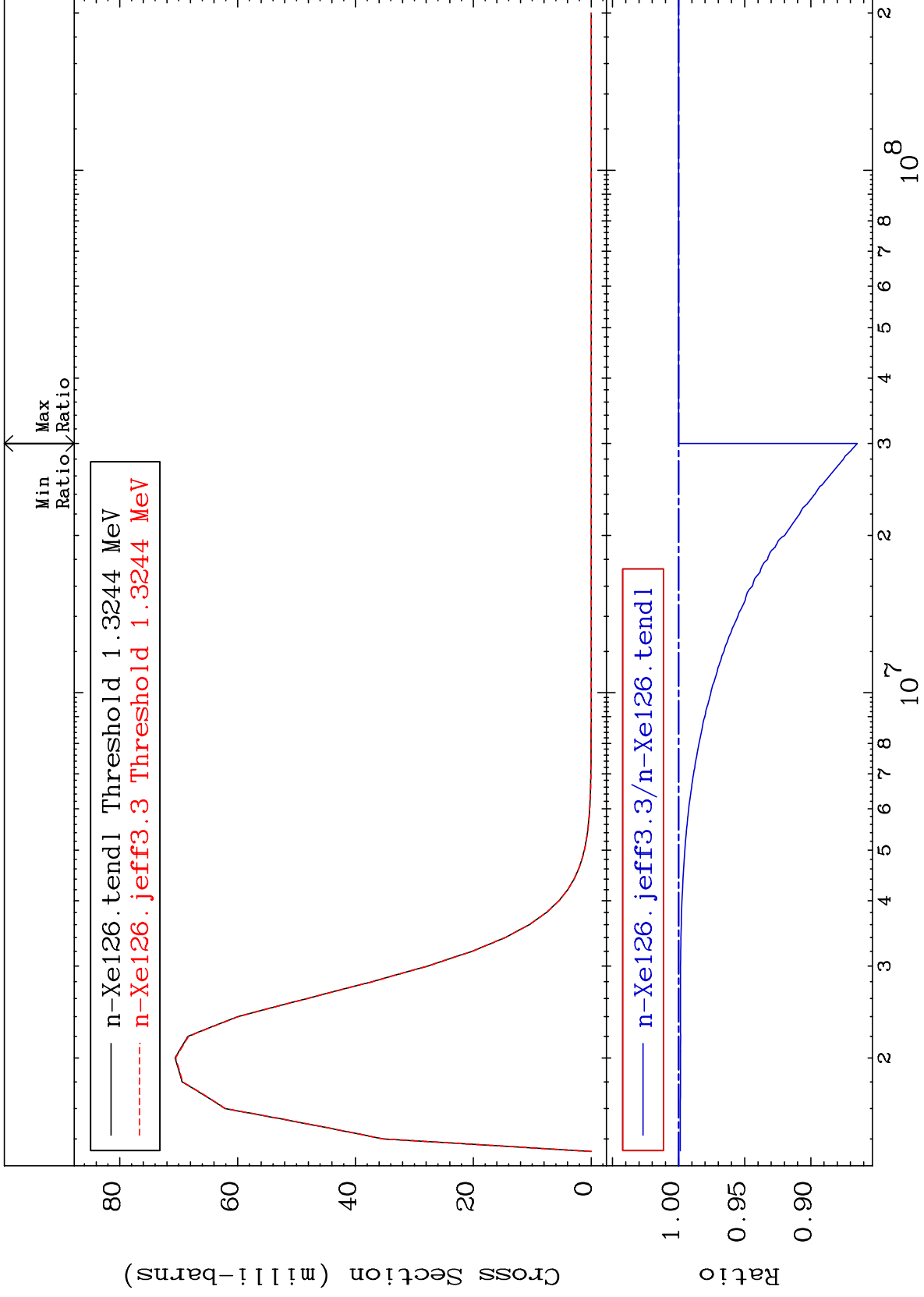
54-Xe-126
-0.720 To 0.000 %



MAT 5431

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

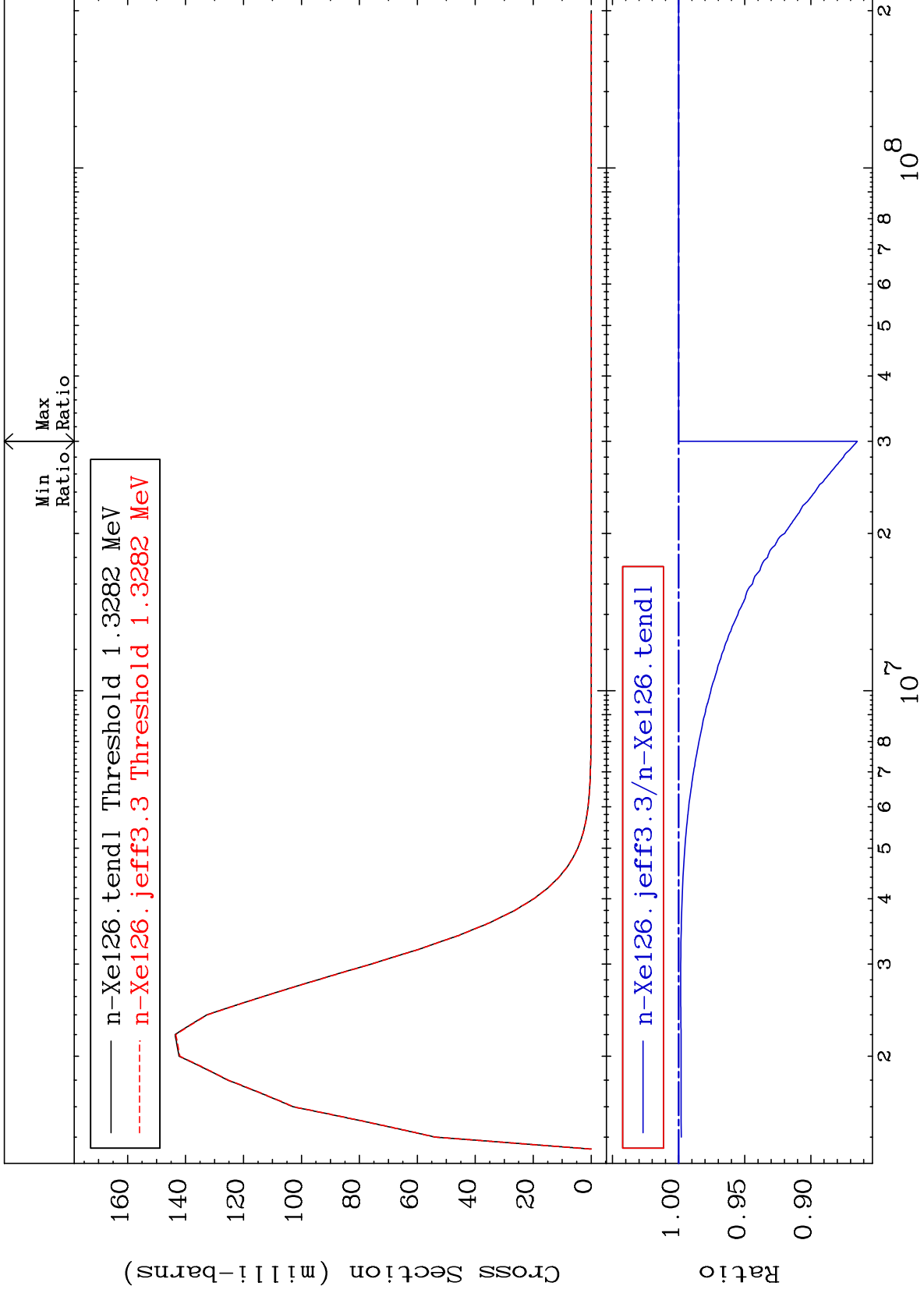
54-Xe-126
-13.51 To 0.000 %



MAT 5431

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

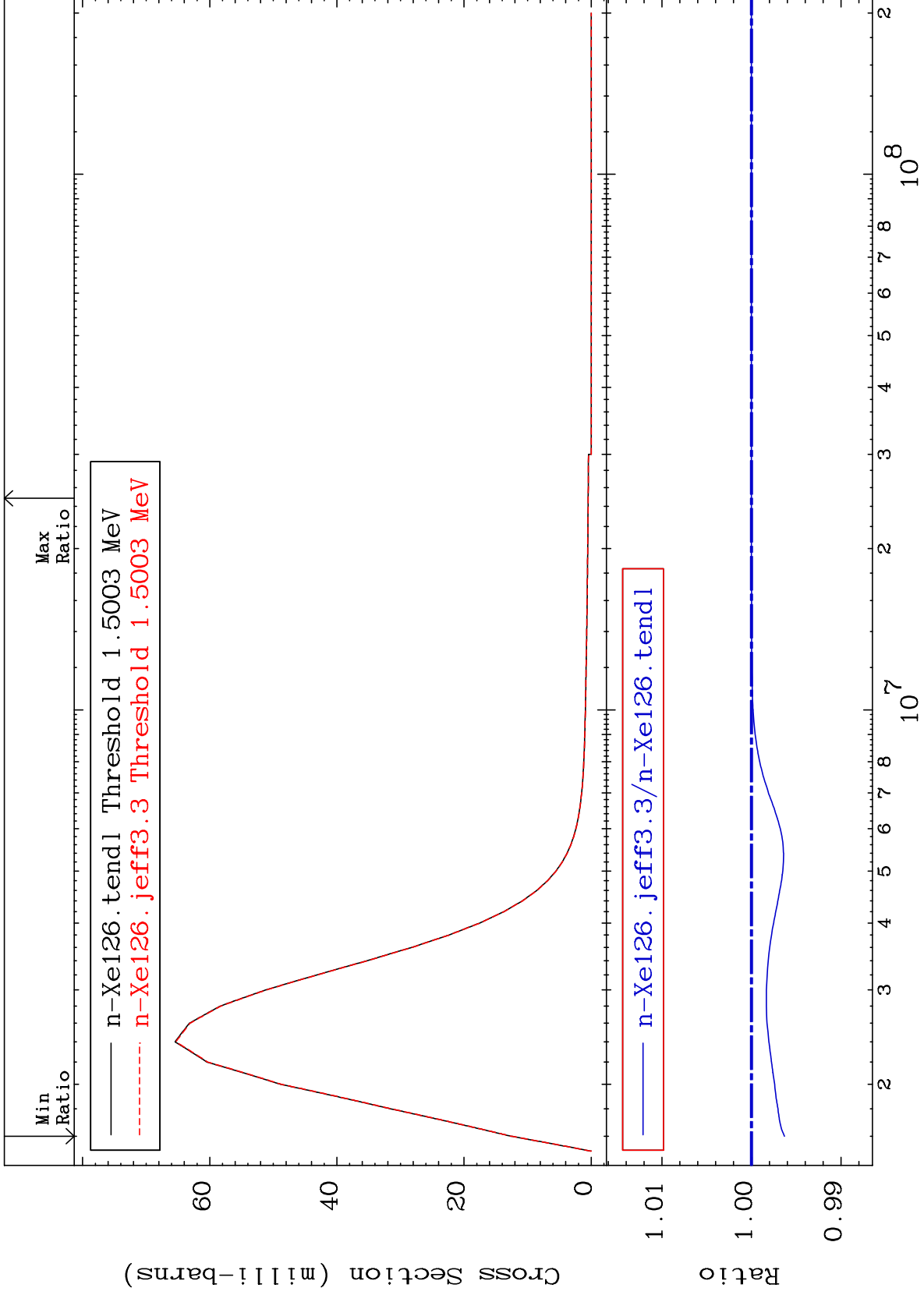
54-Xe-126
-13.51 To 0.000 %



MAT 5431

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

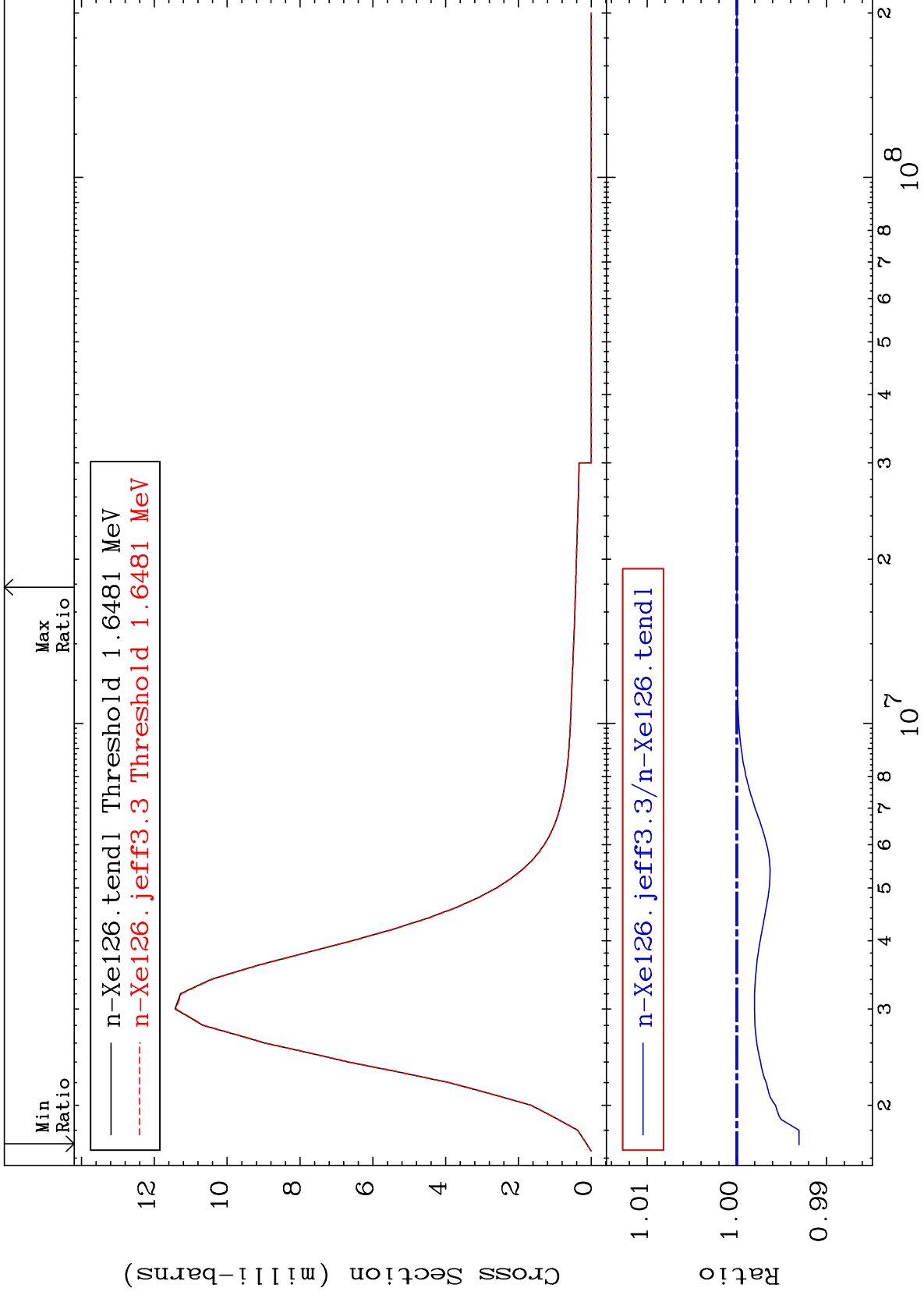
54-Xe-126
-0.368 To 0.000 %



MAT 5431

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

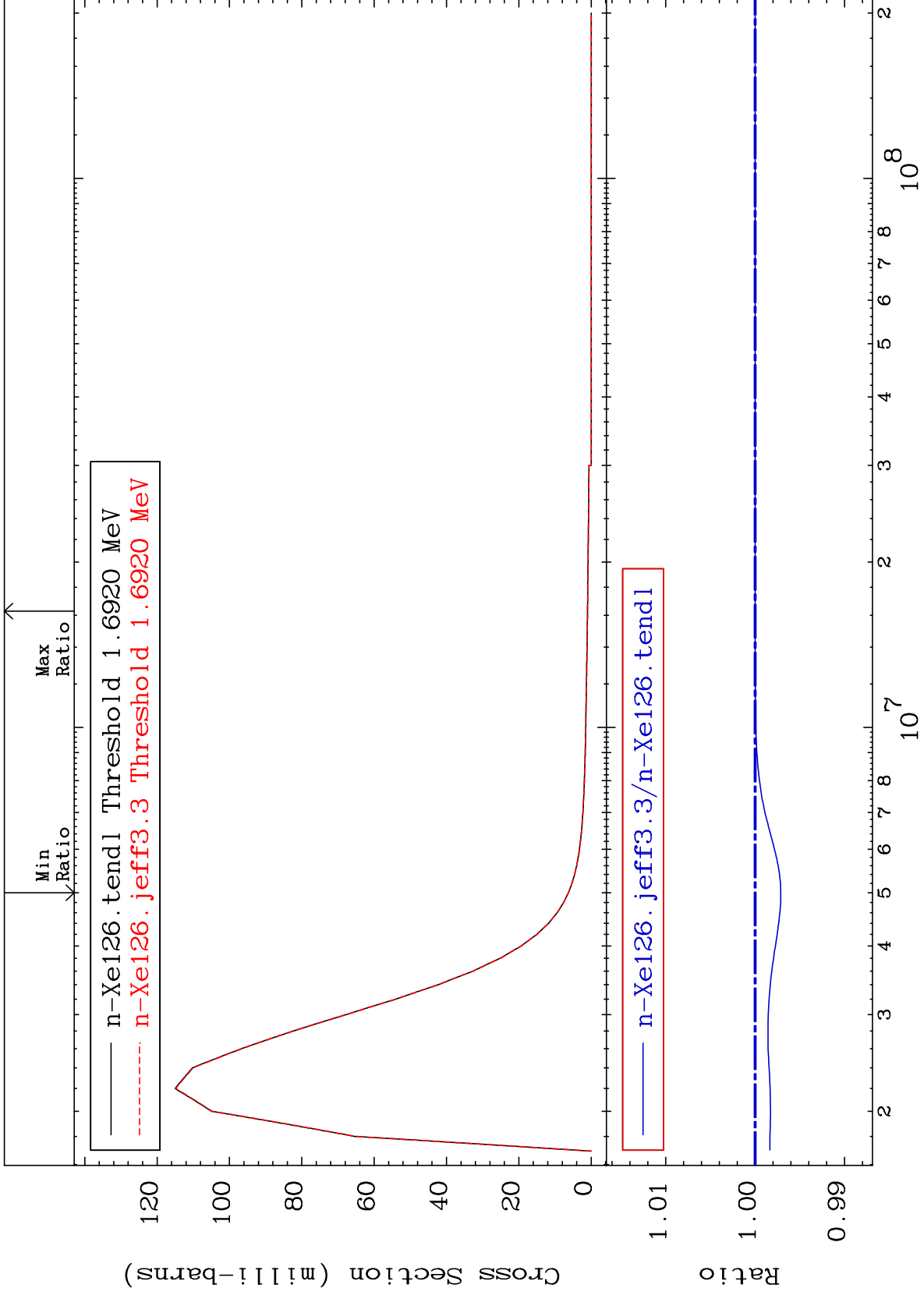
54-Xe-126
-0.694 To 0.000 %



MAT 5431

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

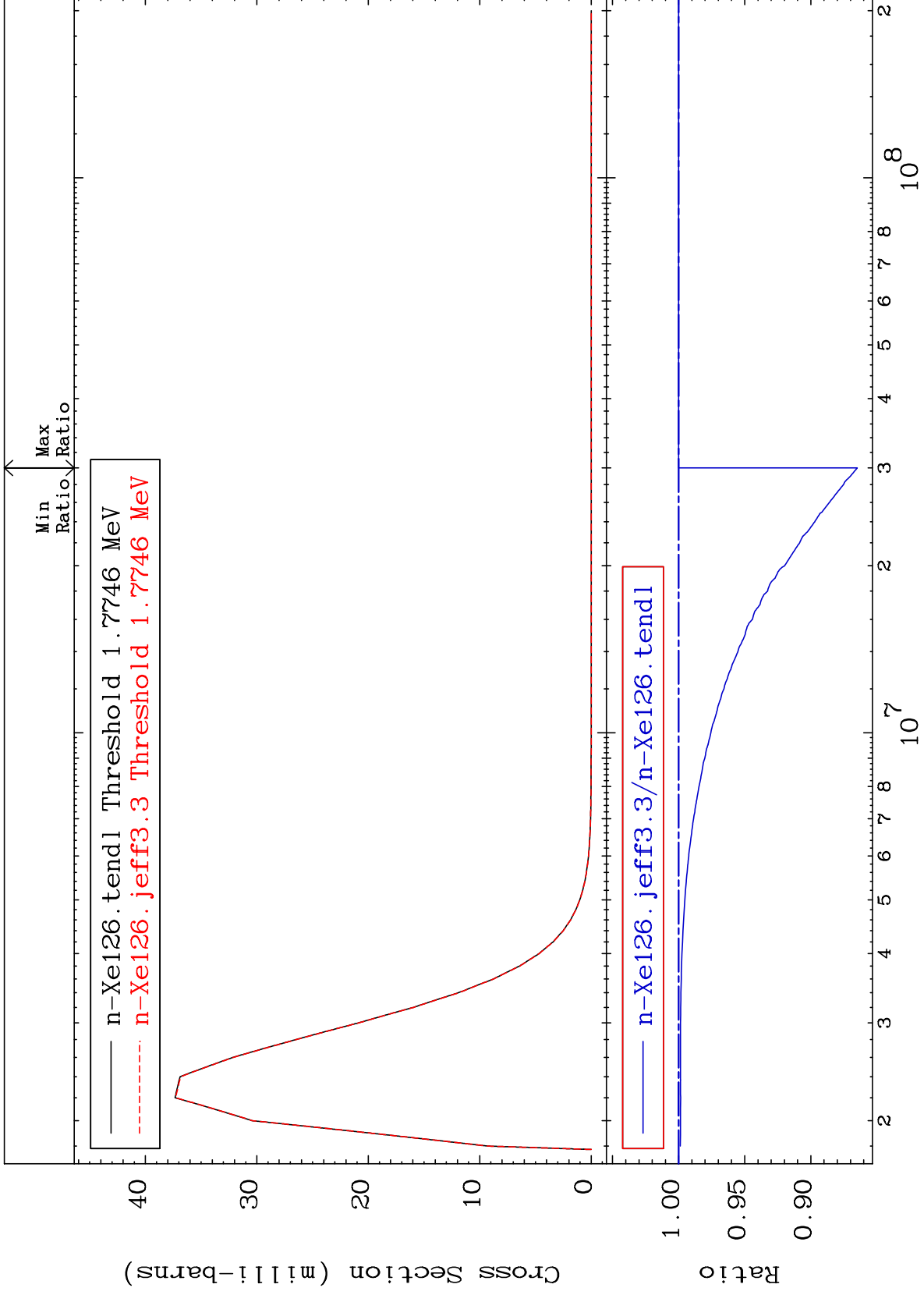
54-Xe-126
-0.287 To 0.000 %



MAT 5431

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

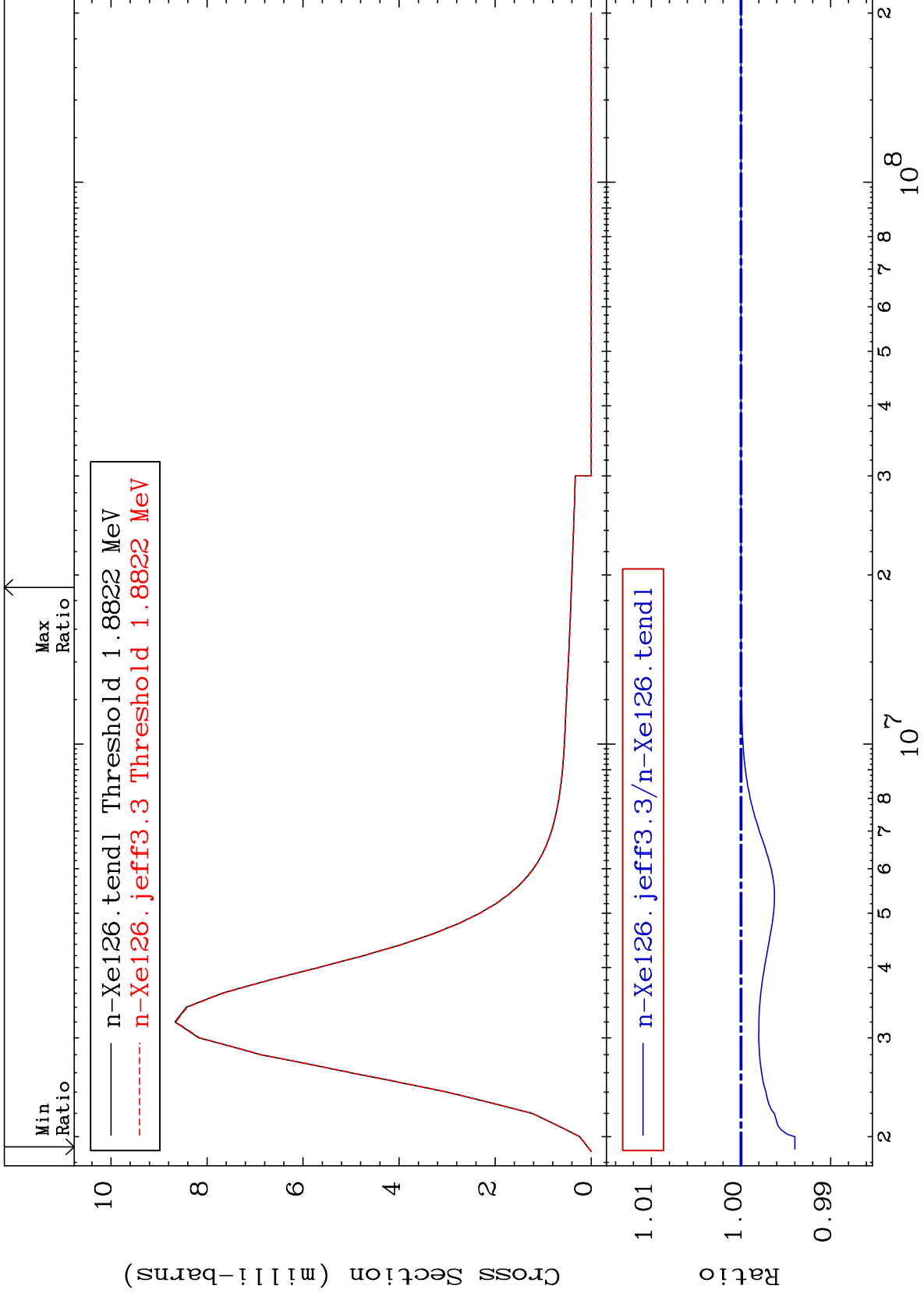
54-Xe-126
-13.51 To 0.000 %



MAT 5431

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

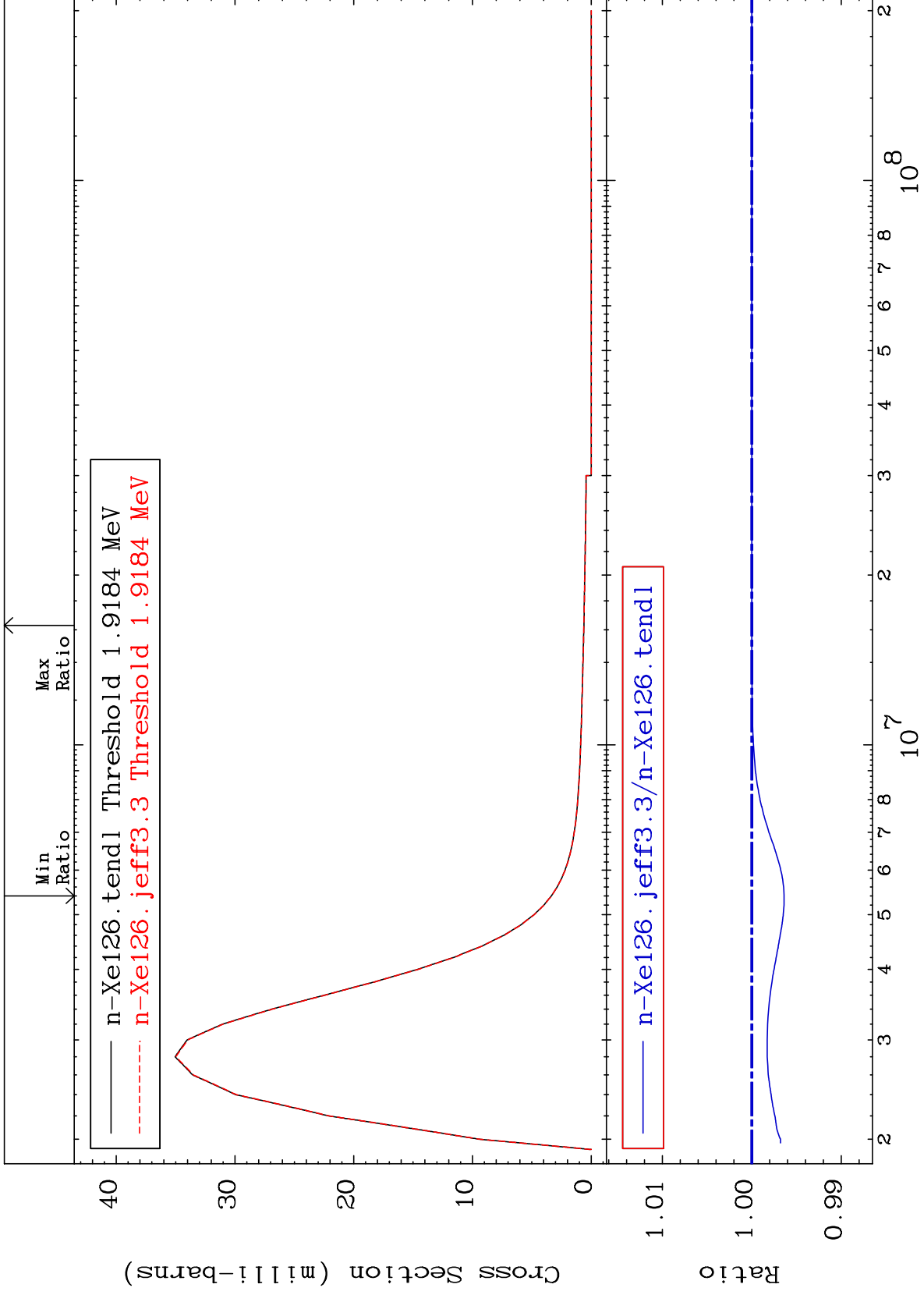
54-Xe-126
-0.601 To 0.000 %



MAT 5431

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

54-Xe-126
-0.361 To 0.000 %



30

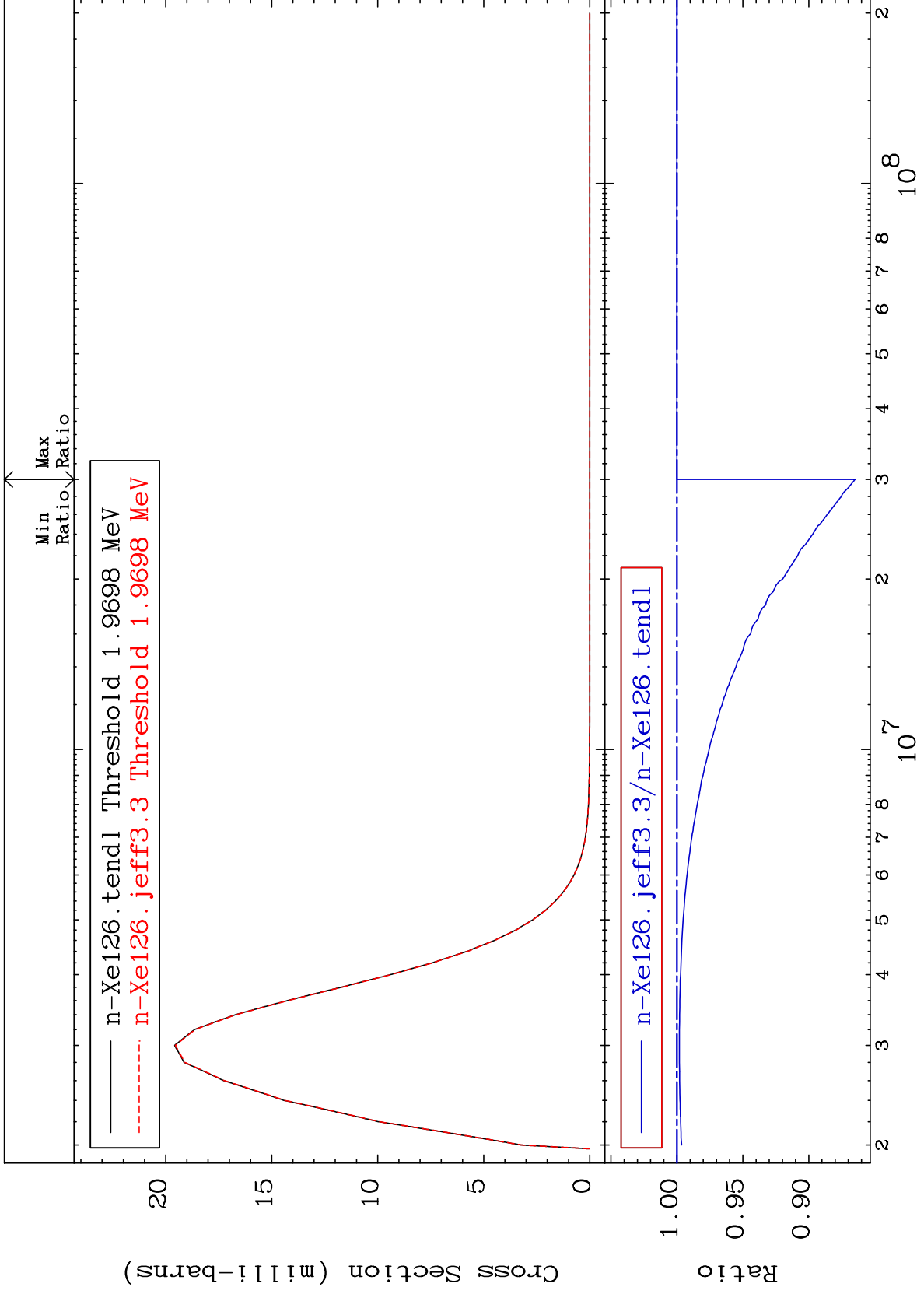
Incident Energy (eV)

54-Xe-126

MAT 5431

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

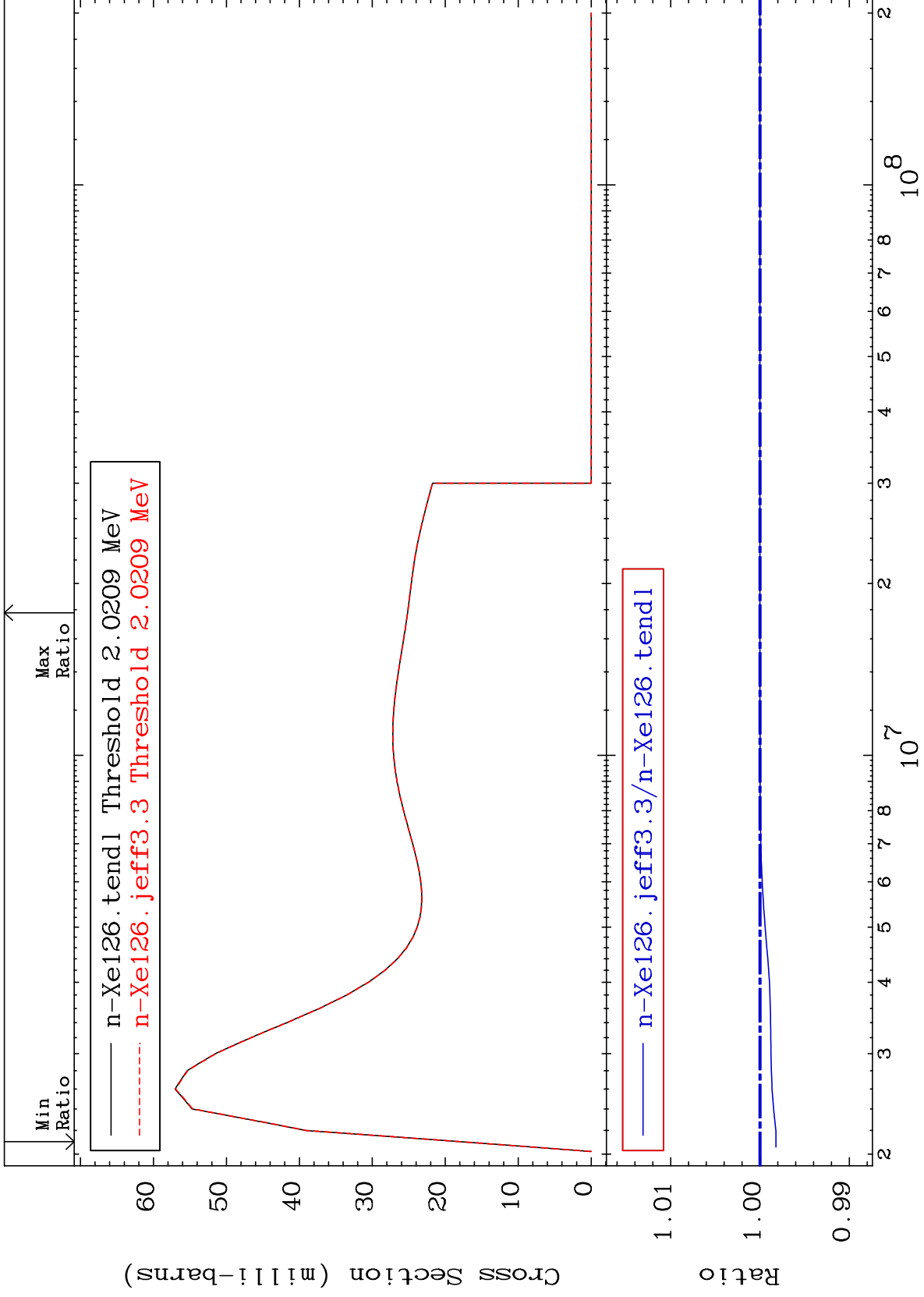
54-Xe-126
-13.51 To 0.000 %



MAT 5431

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

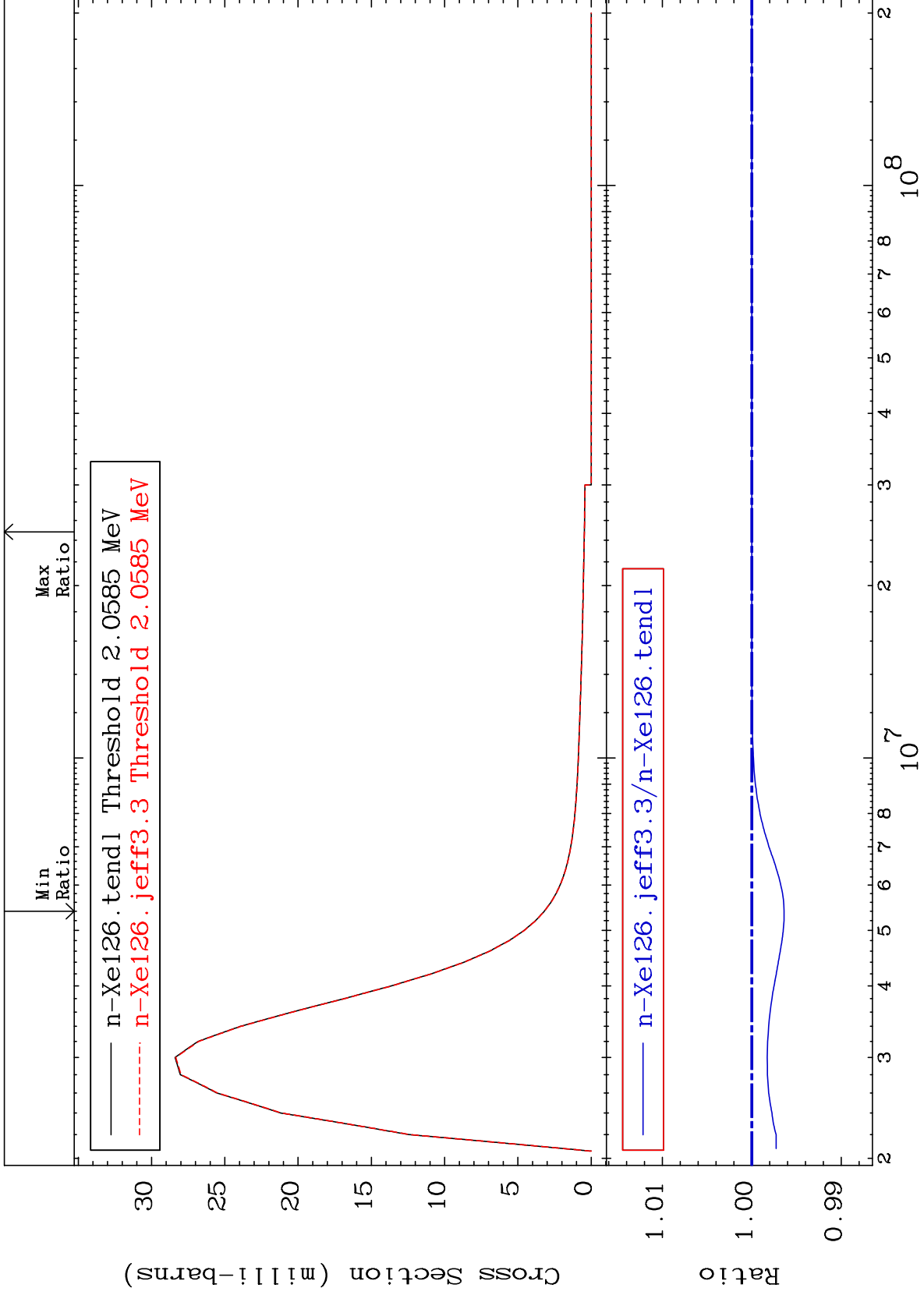
54-Xe-126
-0.178 To 0.000 %



MAT 5431

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

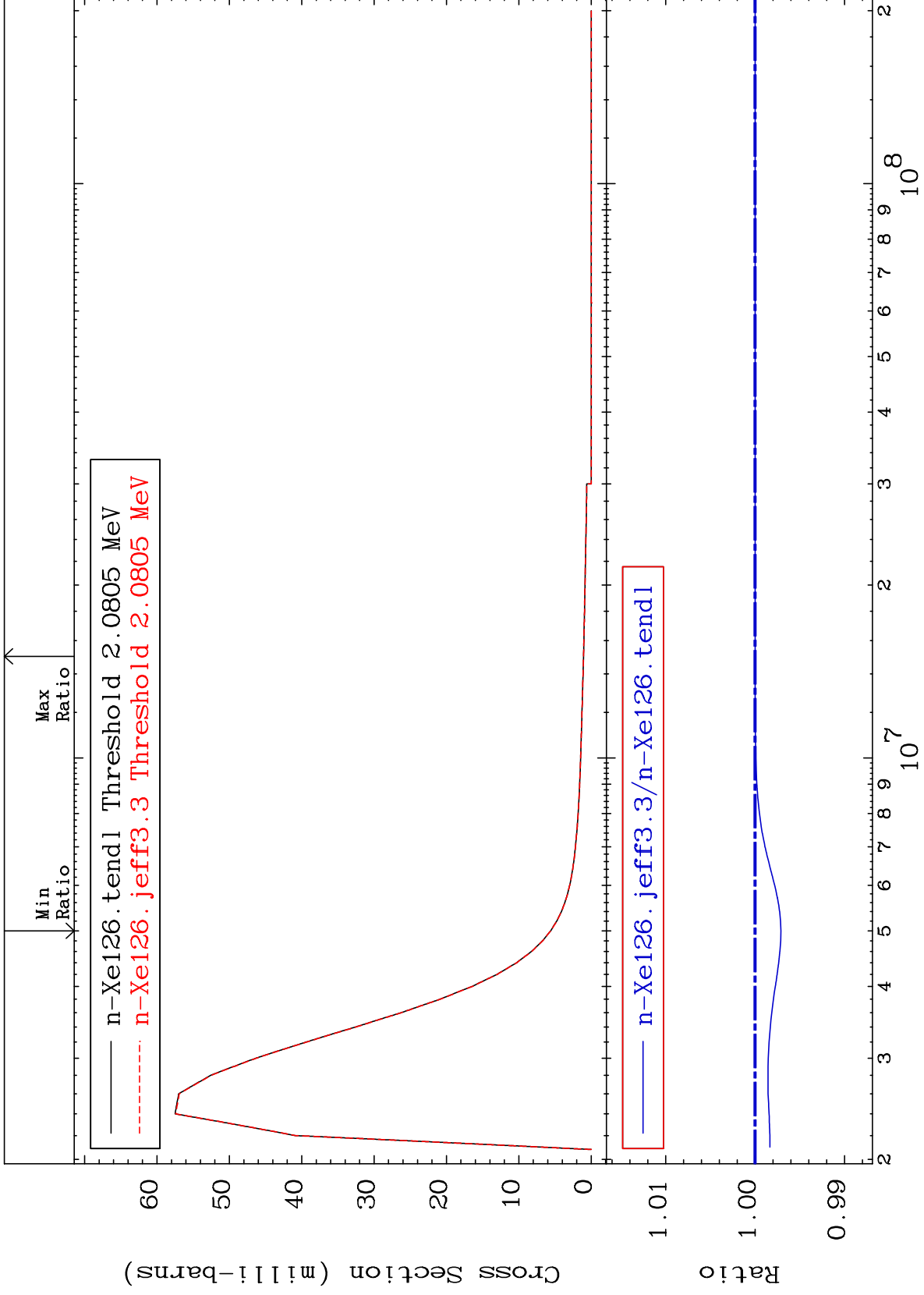
54-Xe-126
-0.361 To 0.000 %



MAT 5431

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

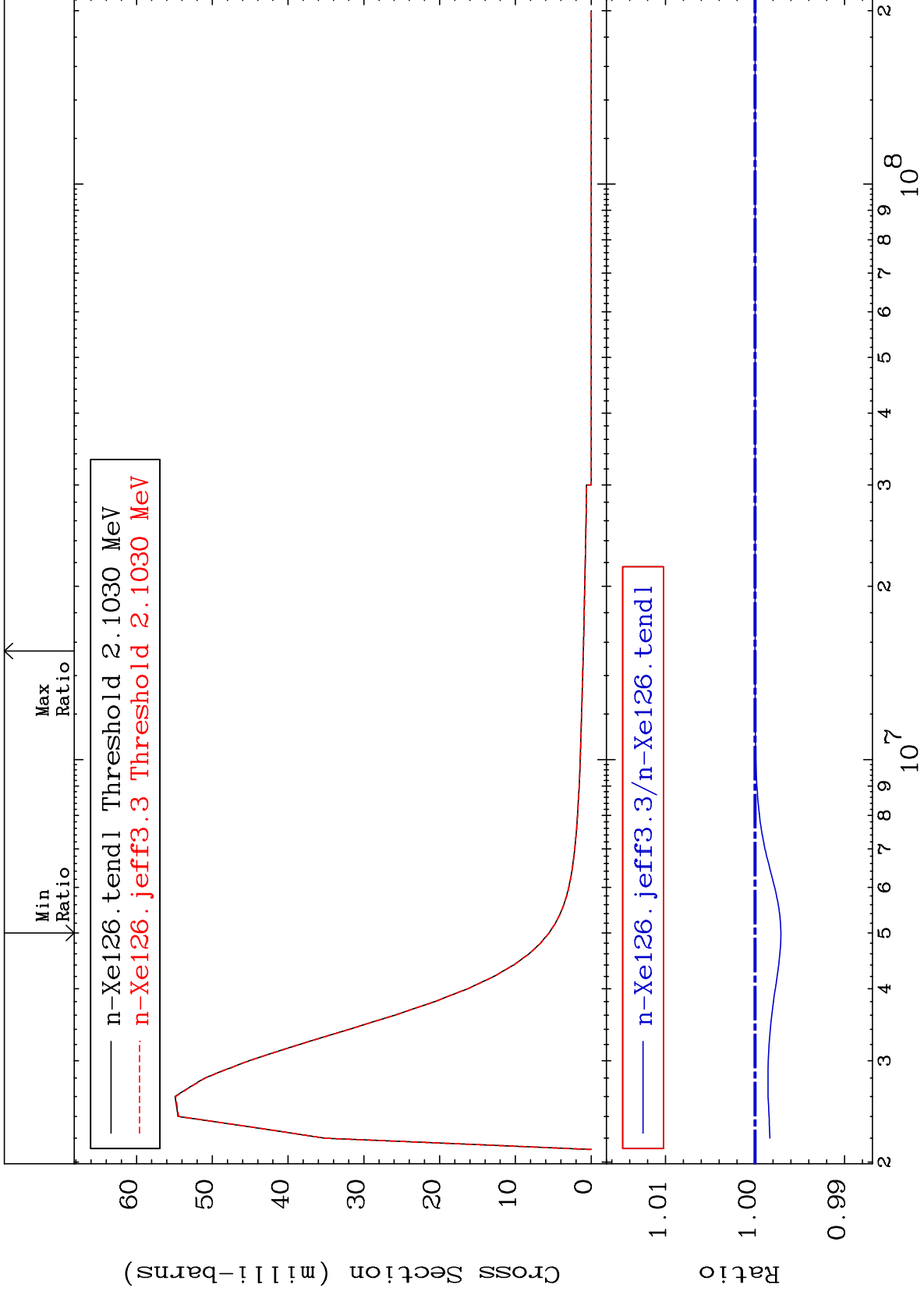
54-Xe-126
-0.289 To 0.000 %



MAT 5431

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

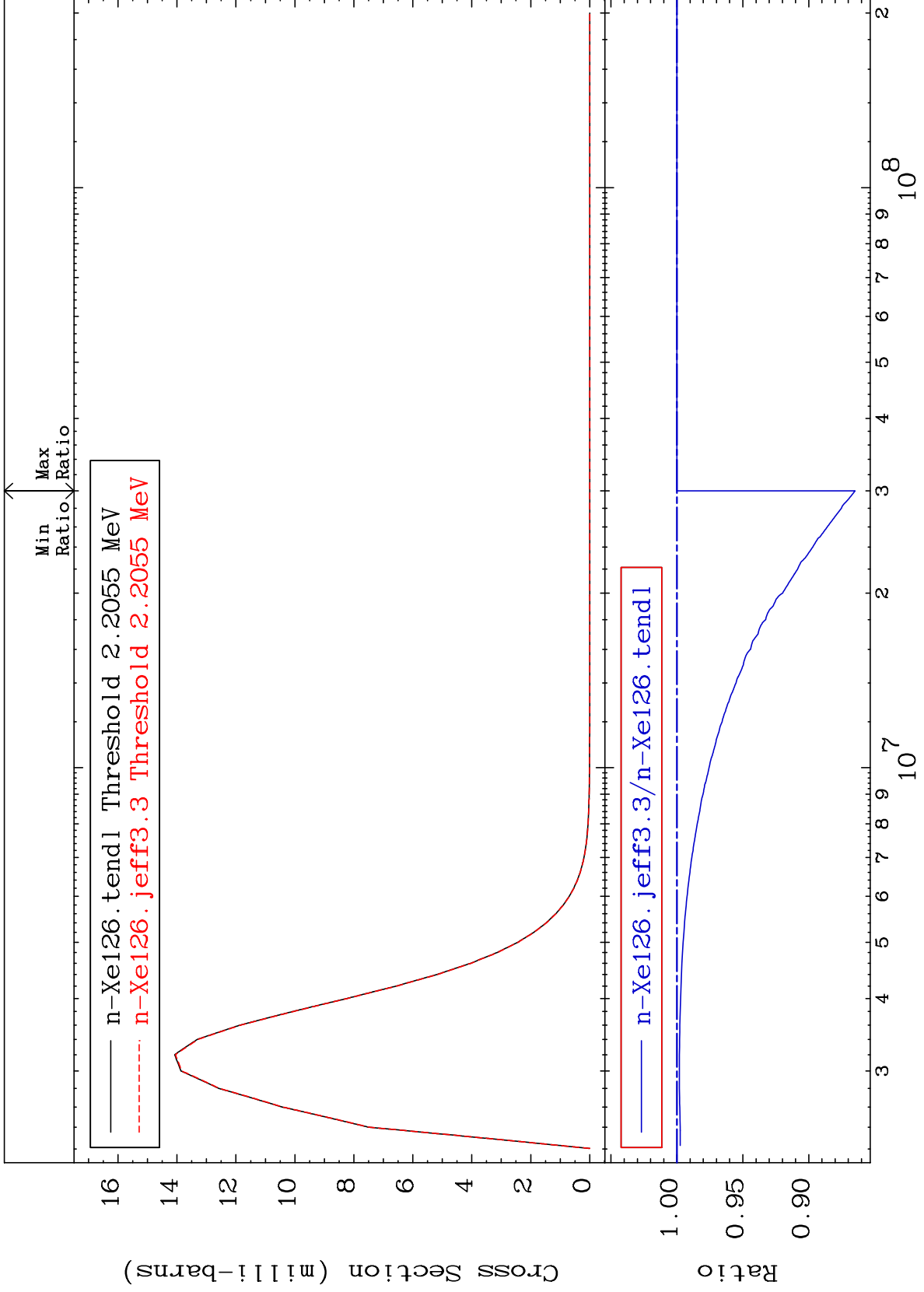
54-Xe-126
-0.289 To 0.000 %



MAT 5431

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

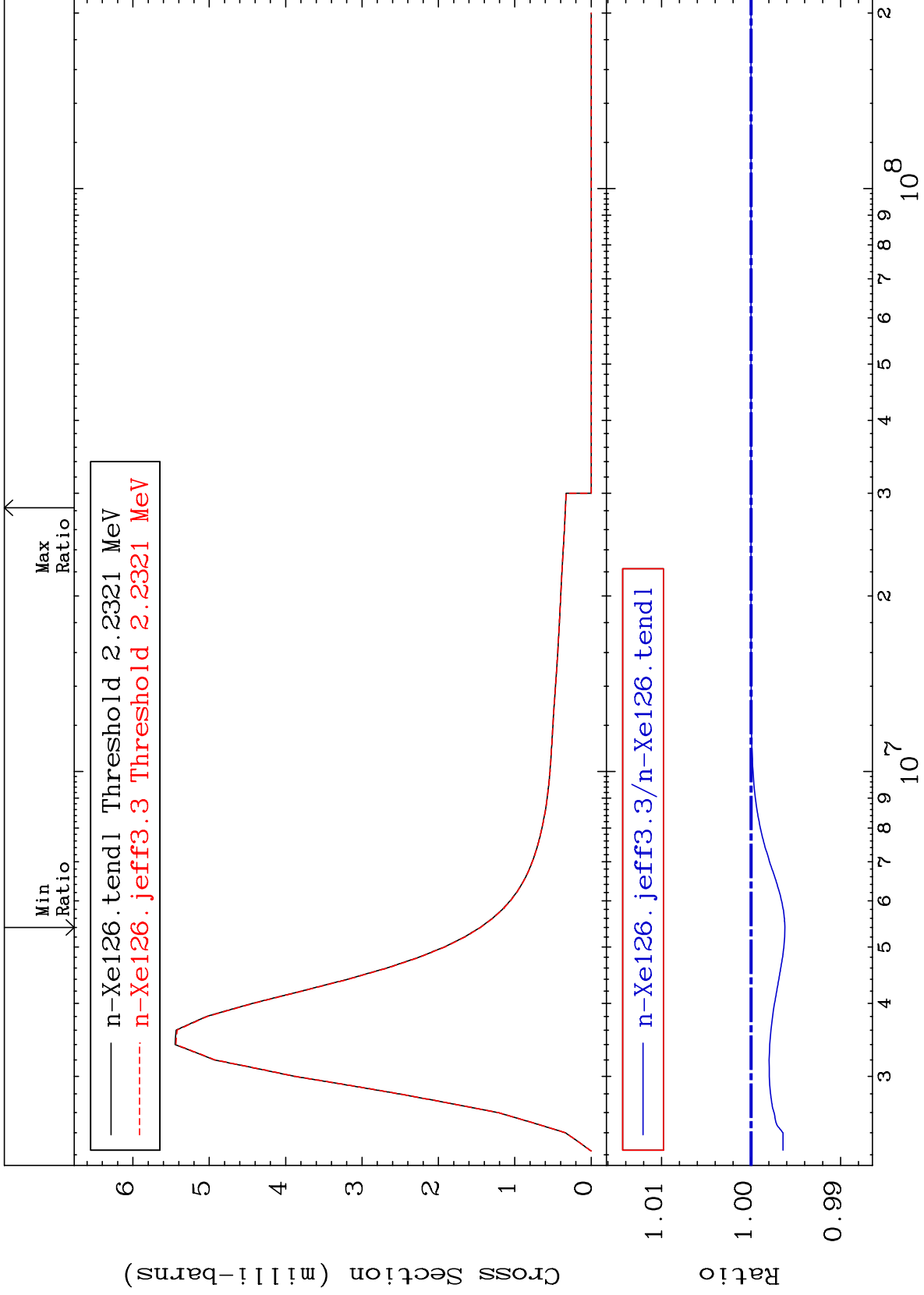
54-Xe-126
-13.51 To 0.000 %



MAT 5431

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

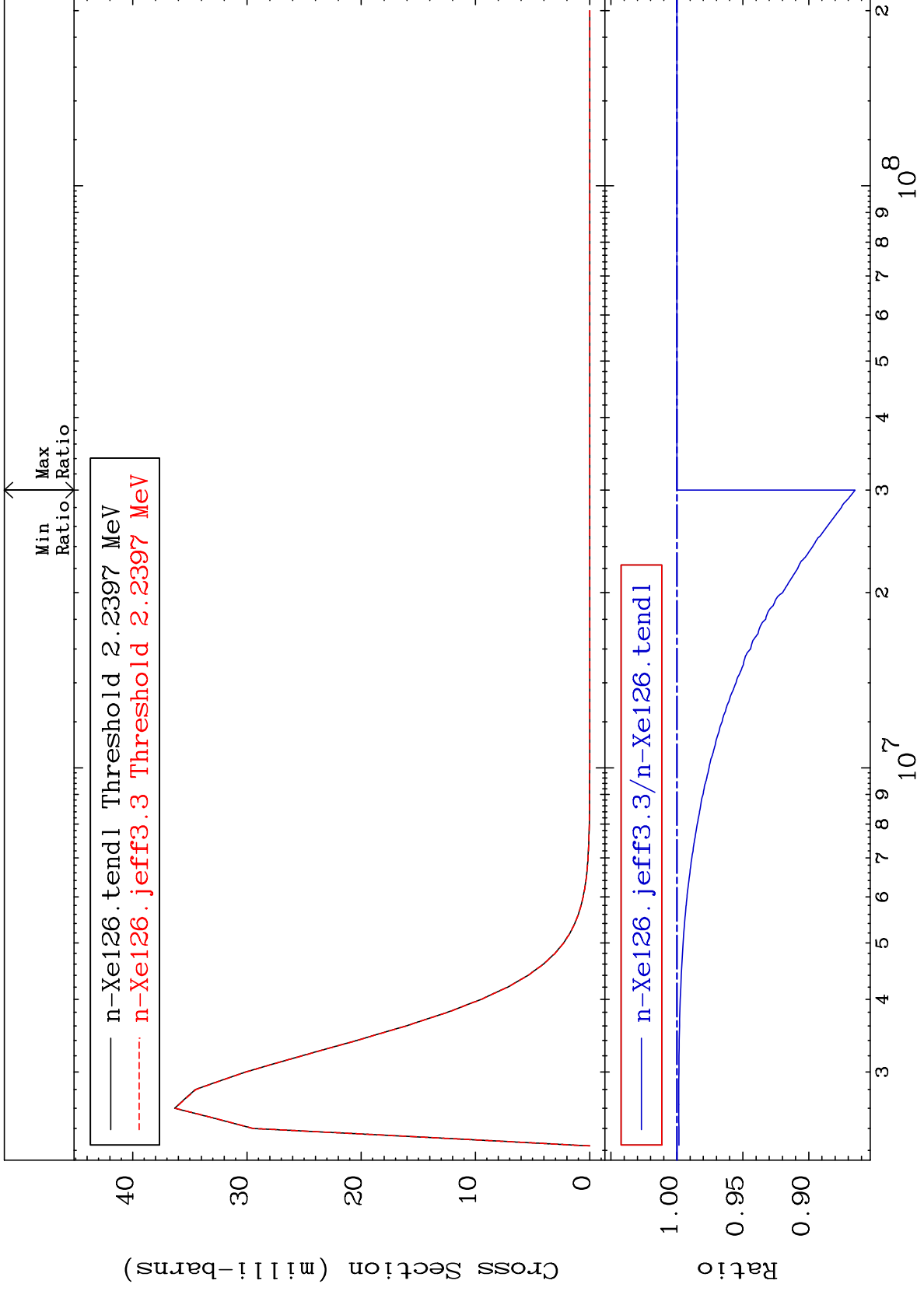
54-Xe-126
-0.378 To 0.000 %



MAT 5431

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

54-Xe-126
-13.51 To 0.000 %



38

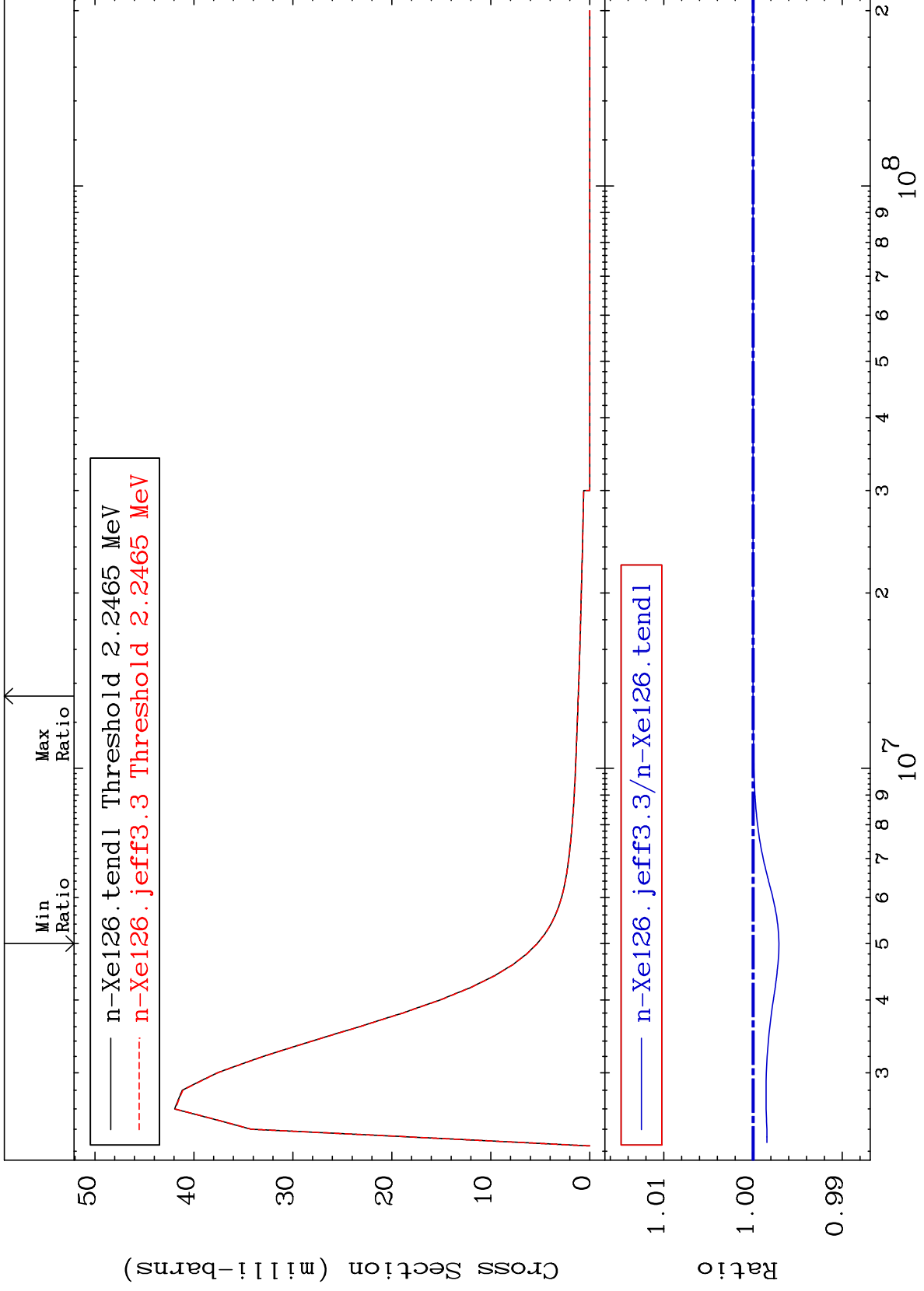
Incident Energy (eV)

54-Xe-126

MAT 5431

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

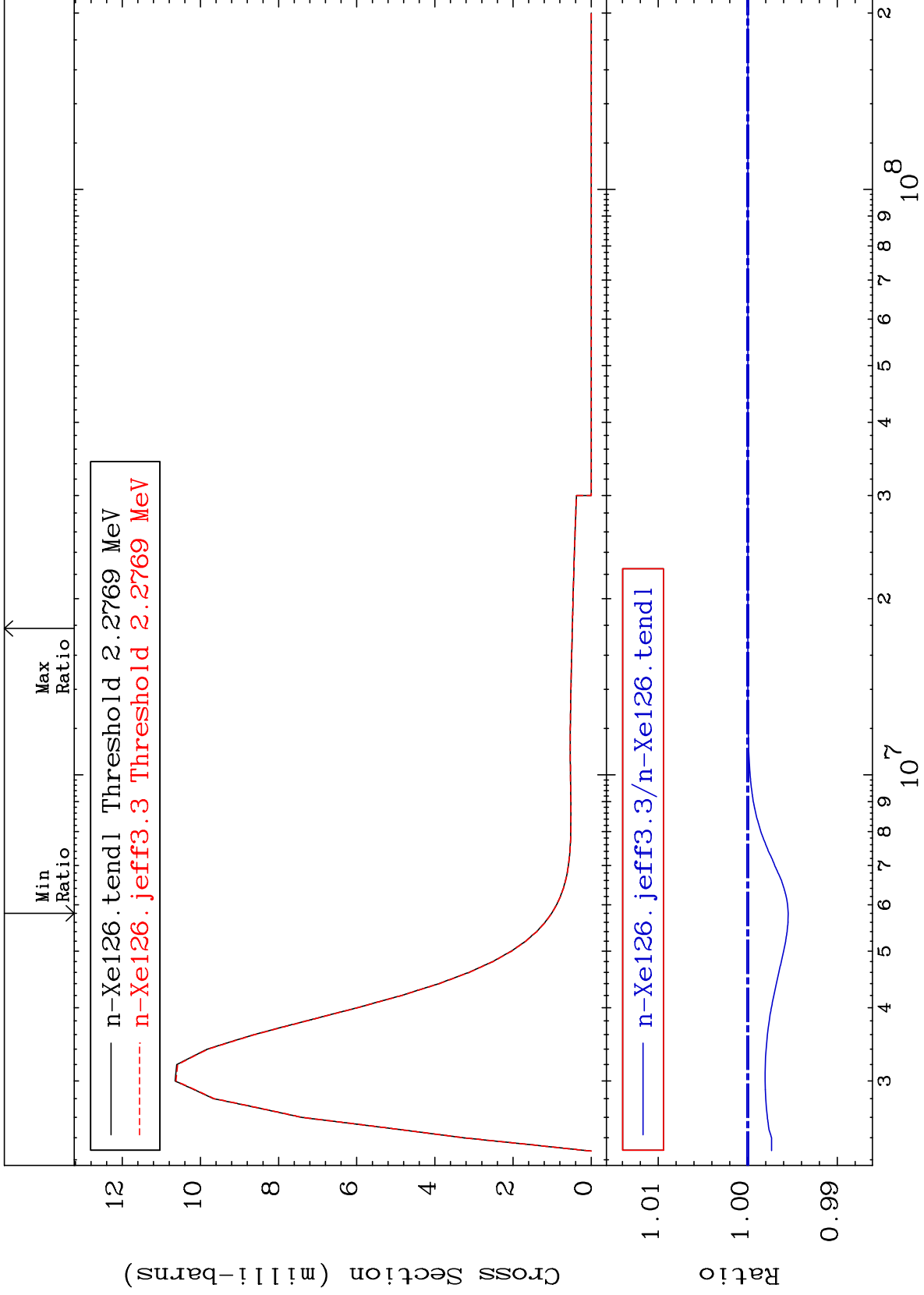
54-Xe-126
-0.290 To 0.000 %



MAT 5431

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

54-Xe-126
-0.451 To 0.000 %



40

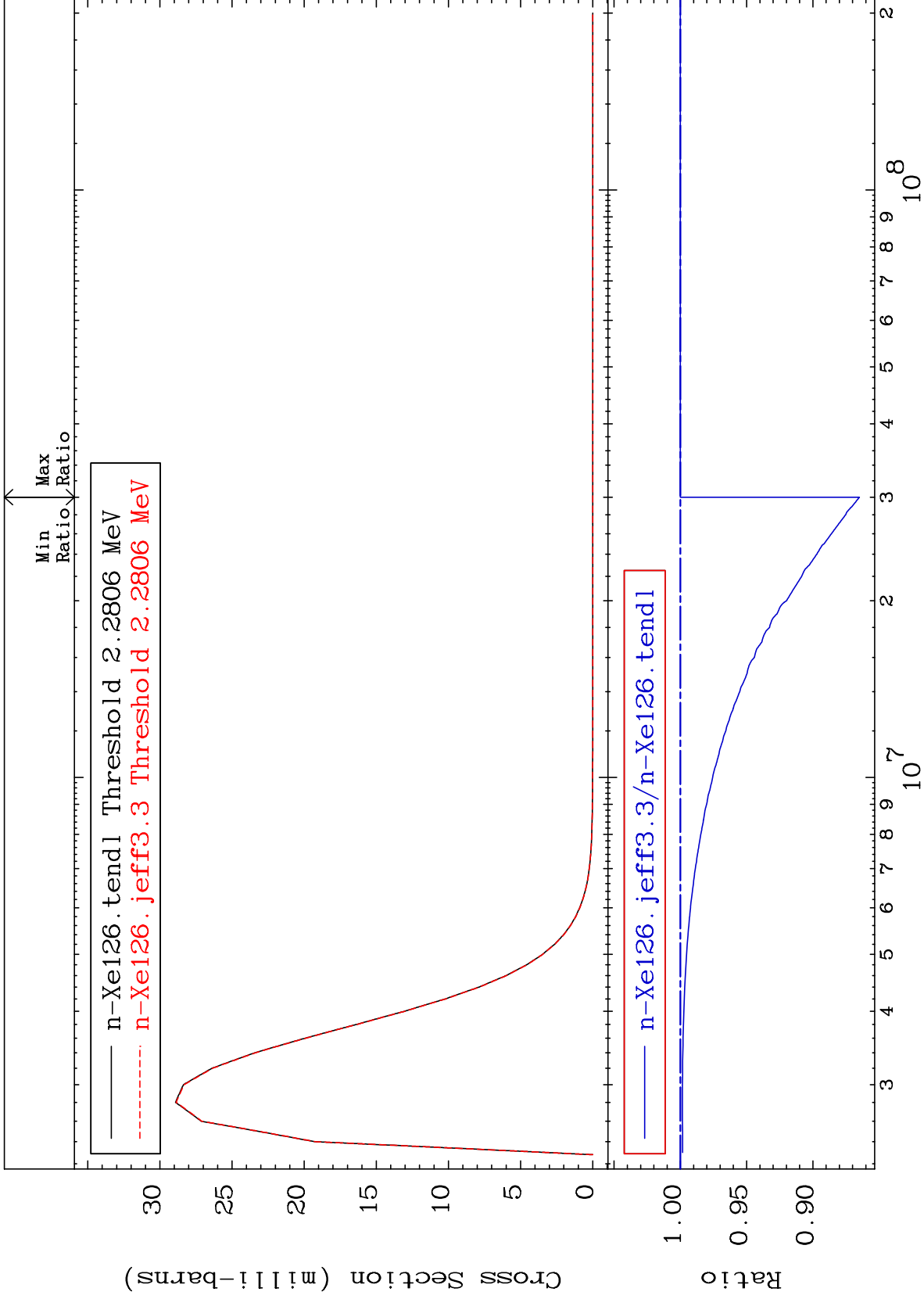
Incident Energy (eV)

54-Xe-126

MAT 5431

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

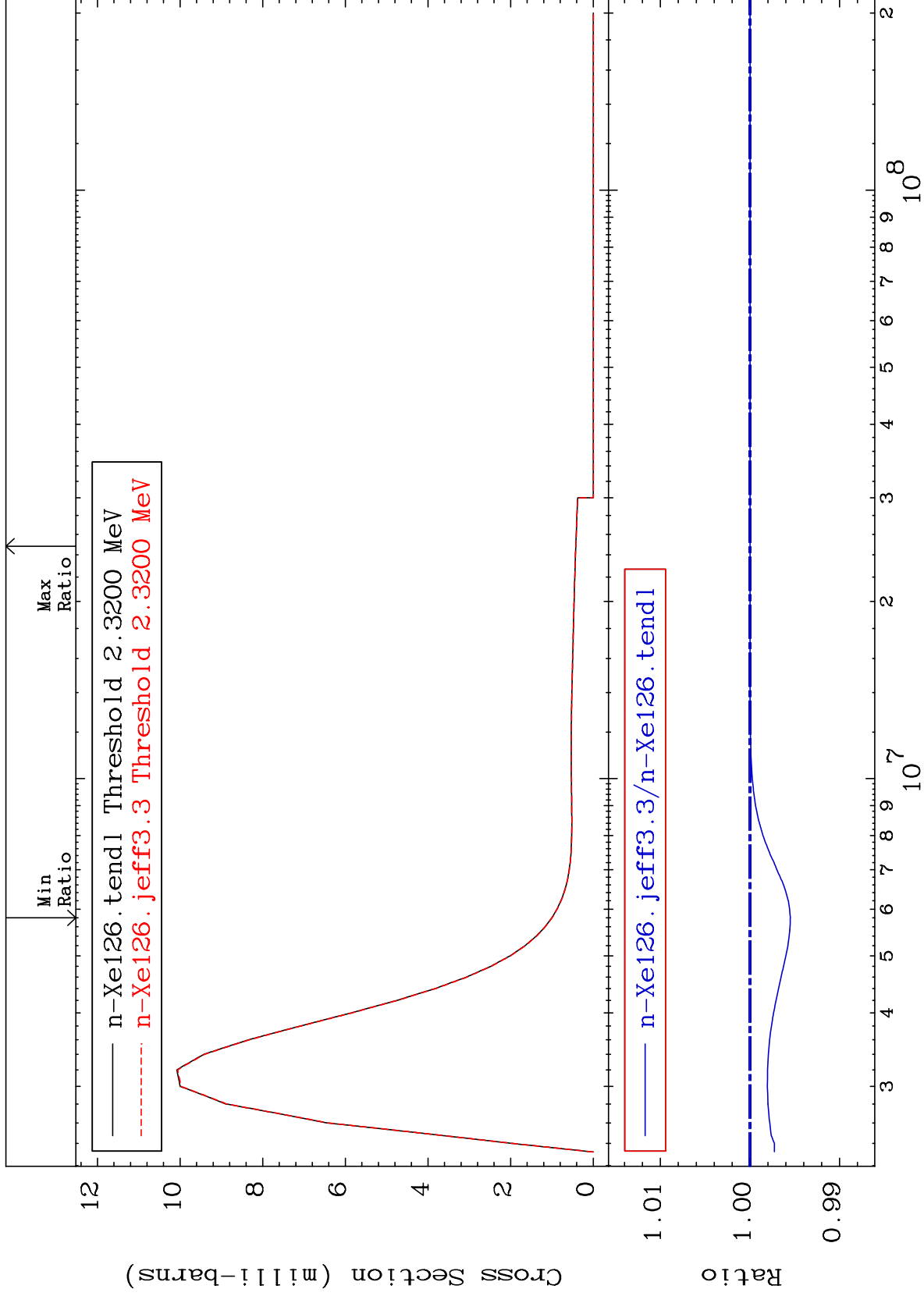
54-Xe-126
-13.51 To 0.000 %



MAT 5431

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

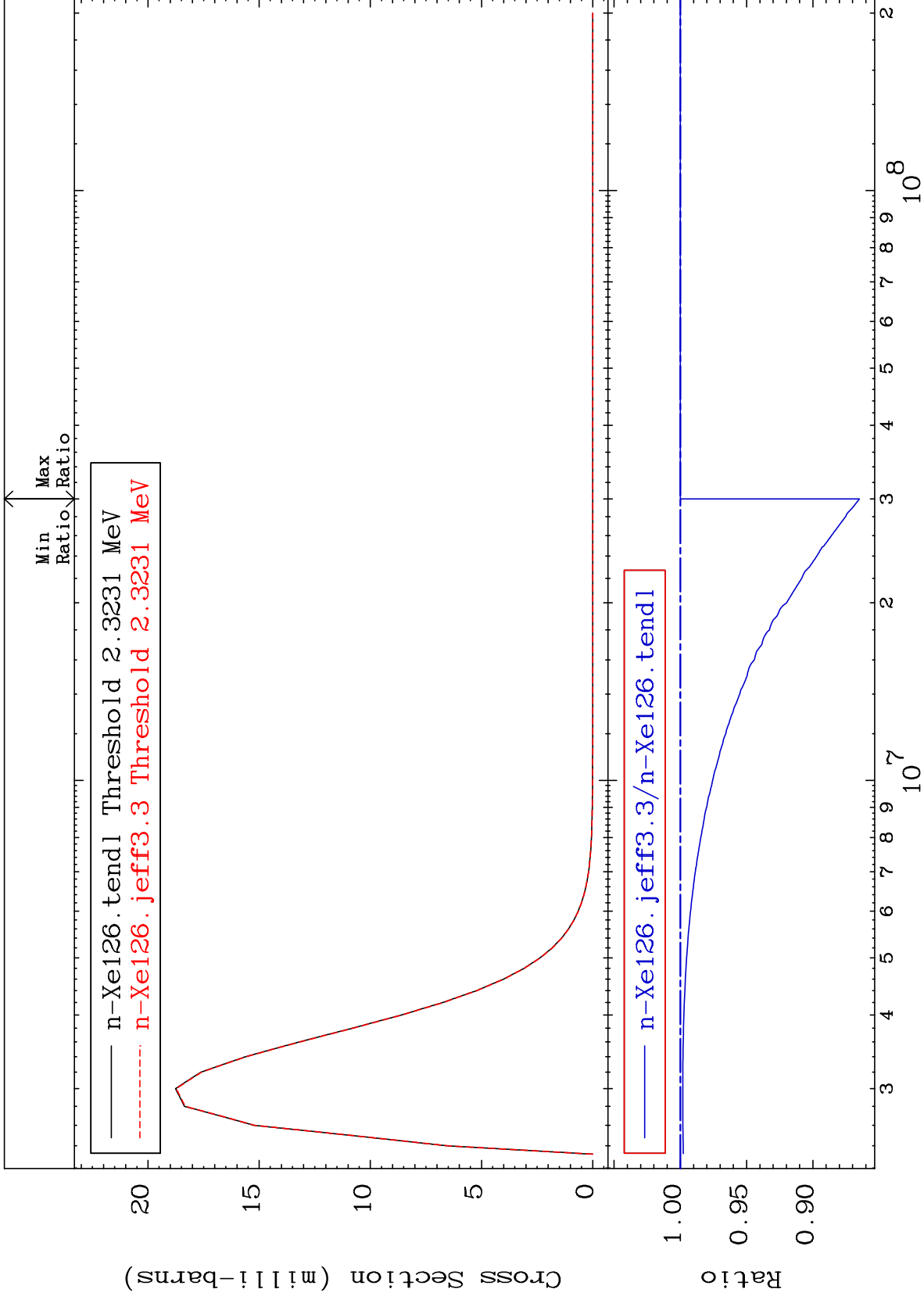
54-Xe-126
-0.450 To 0.000 %



MAT 5431

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

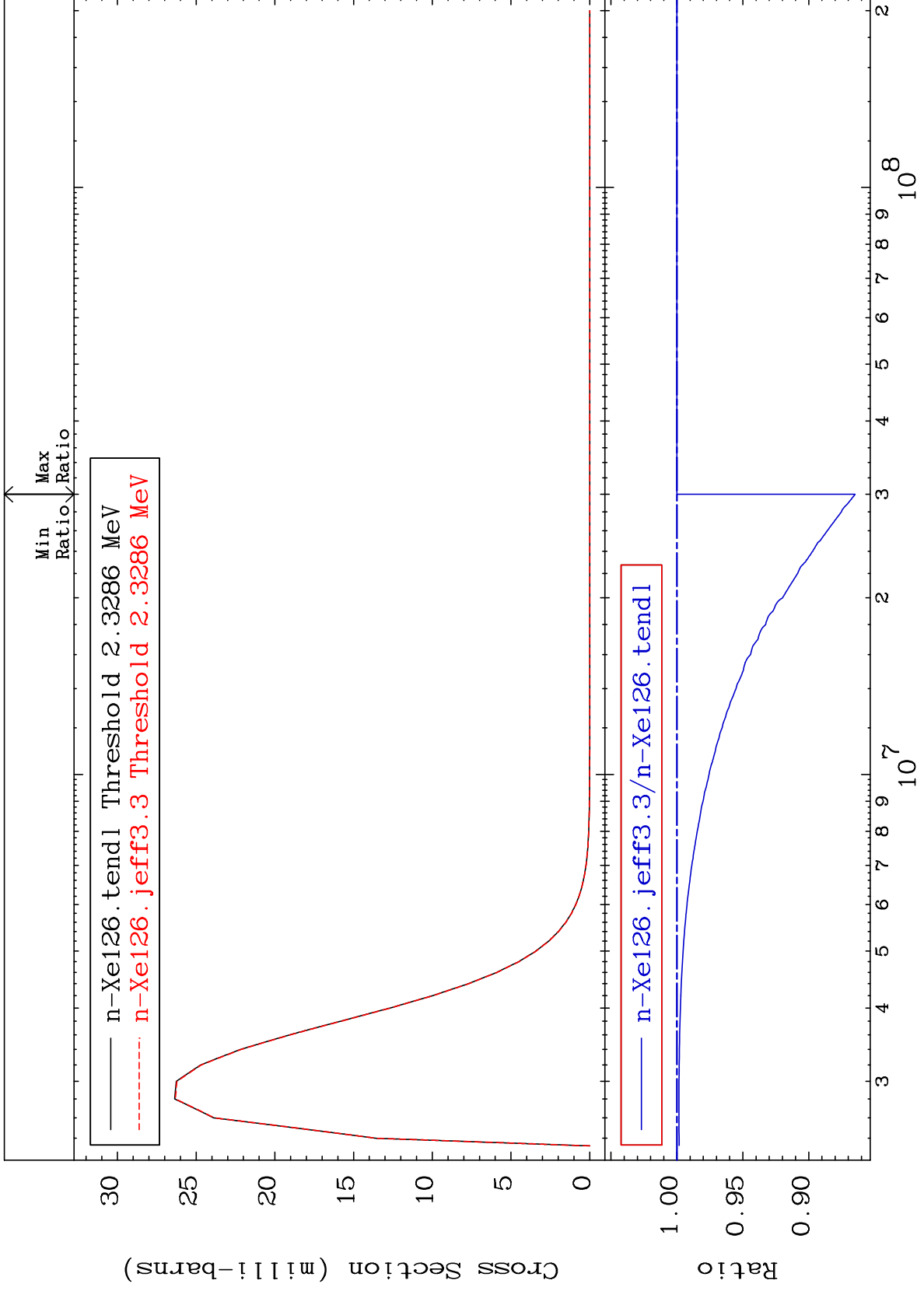
54-Xe-126
-13.51 To 0.000 %



MAT 5431

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

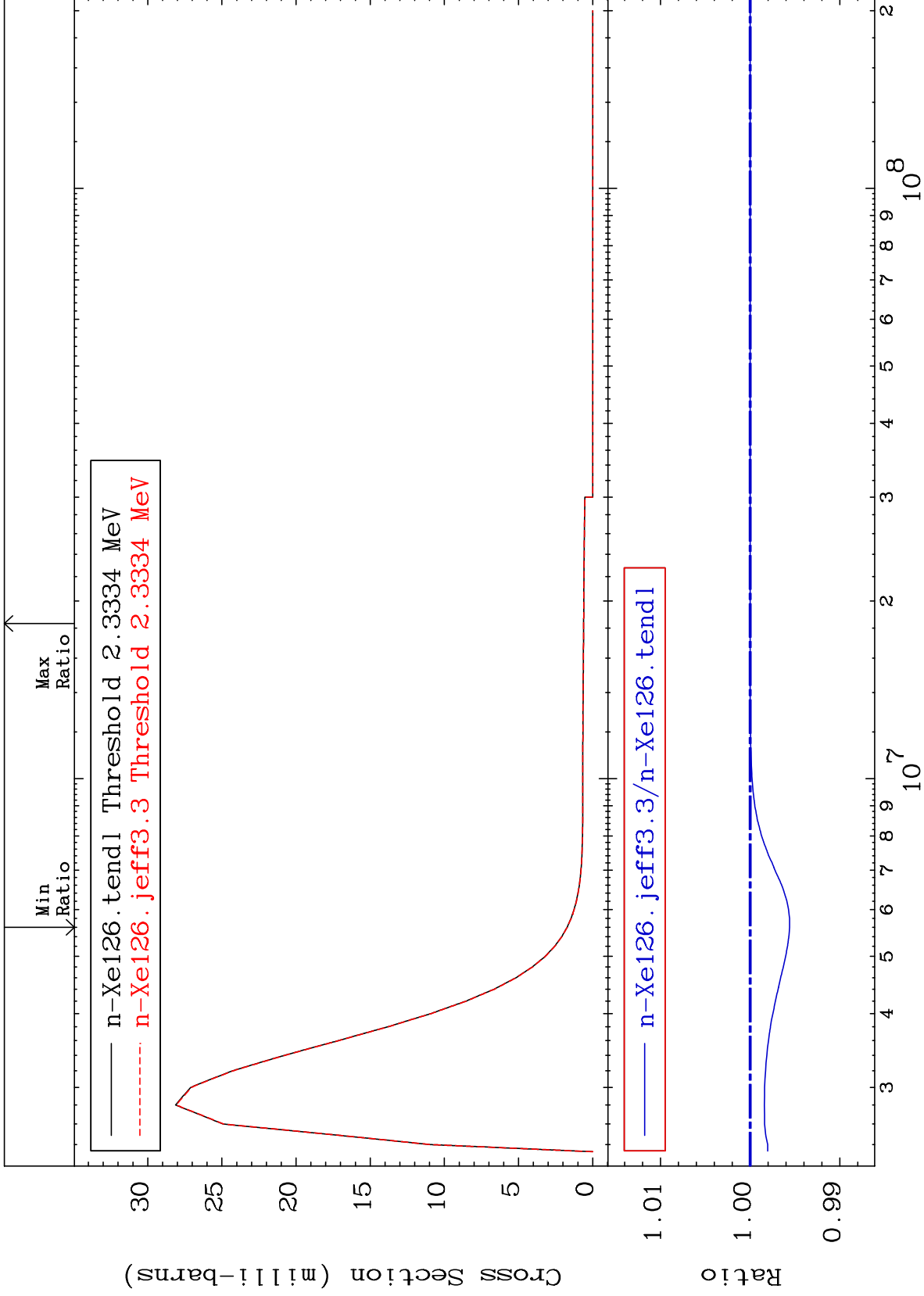
54-Xe-126
-13.51 To 0.000 %



MAT 5431

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

54-Xe-126
-0.439 To 0.000 %



45

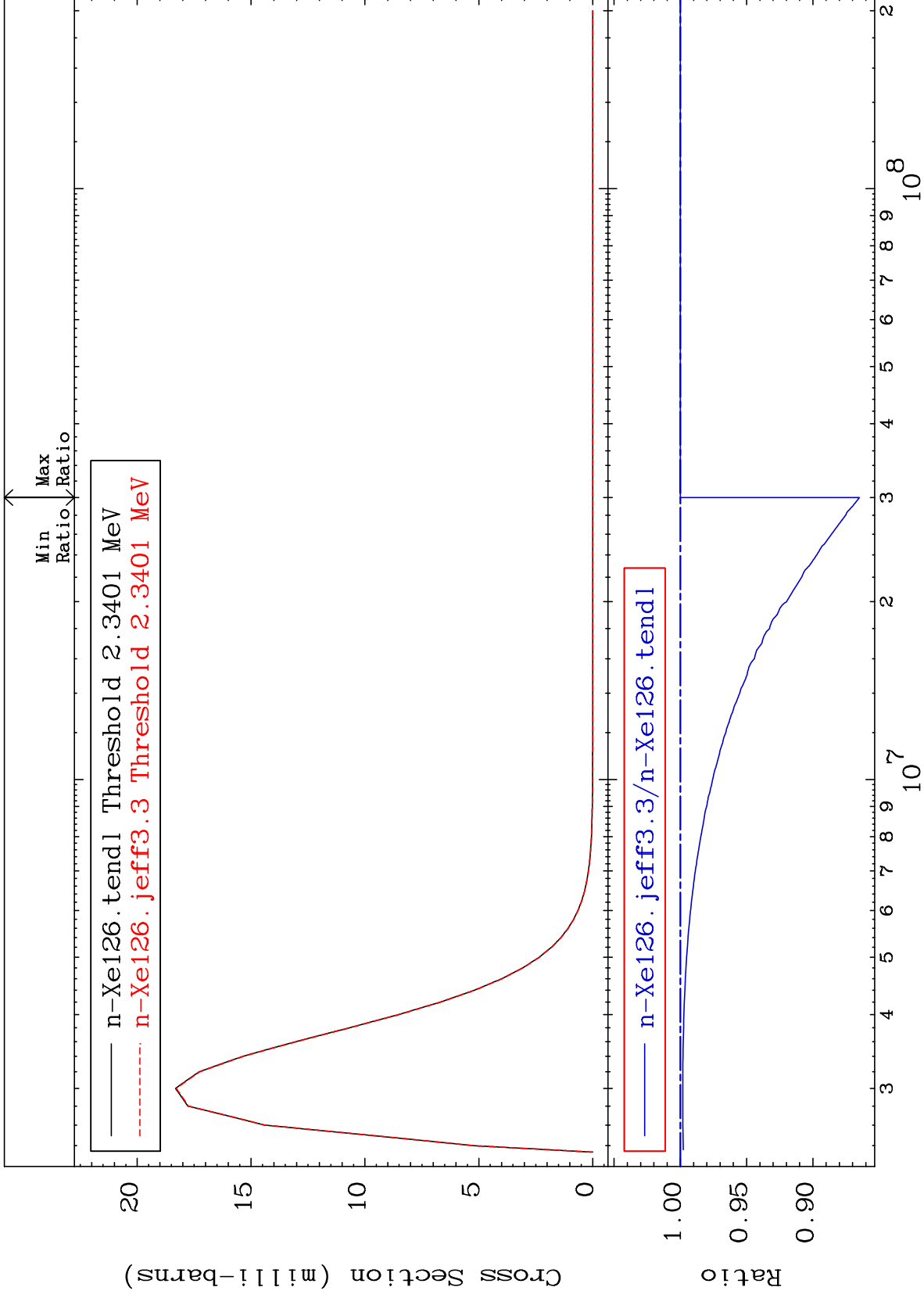
Incident Energy (eV)

54-Xe-126

MAT 5431

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

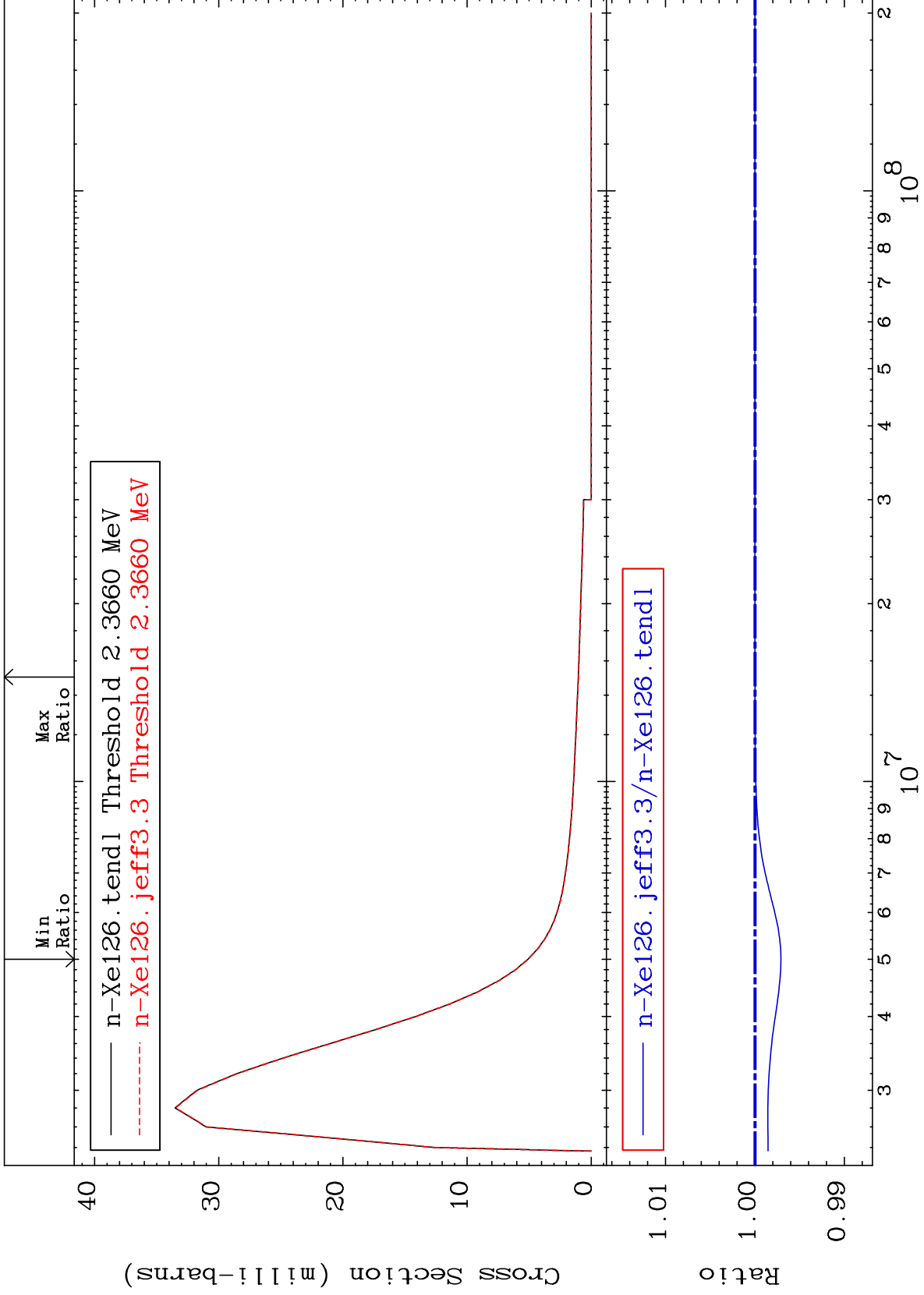
54-Xe-126
-13.51 To 0.000 %



MAT 5431

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

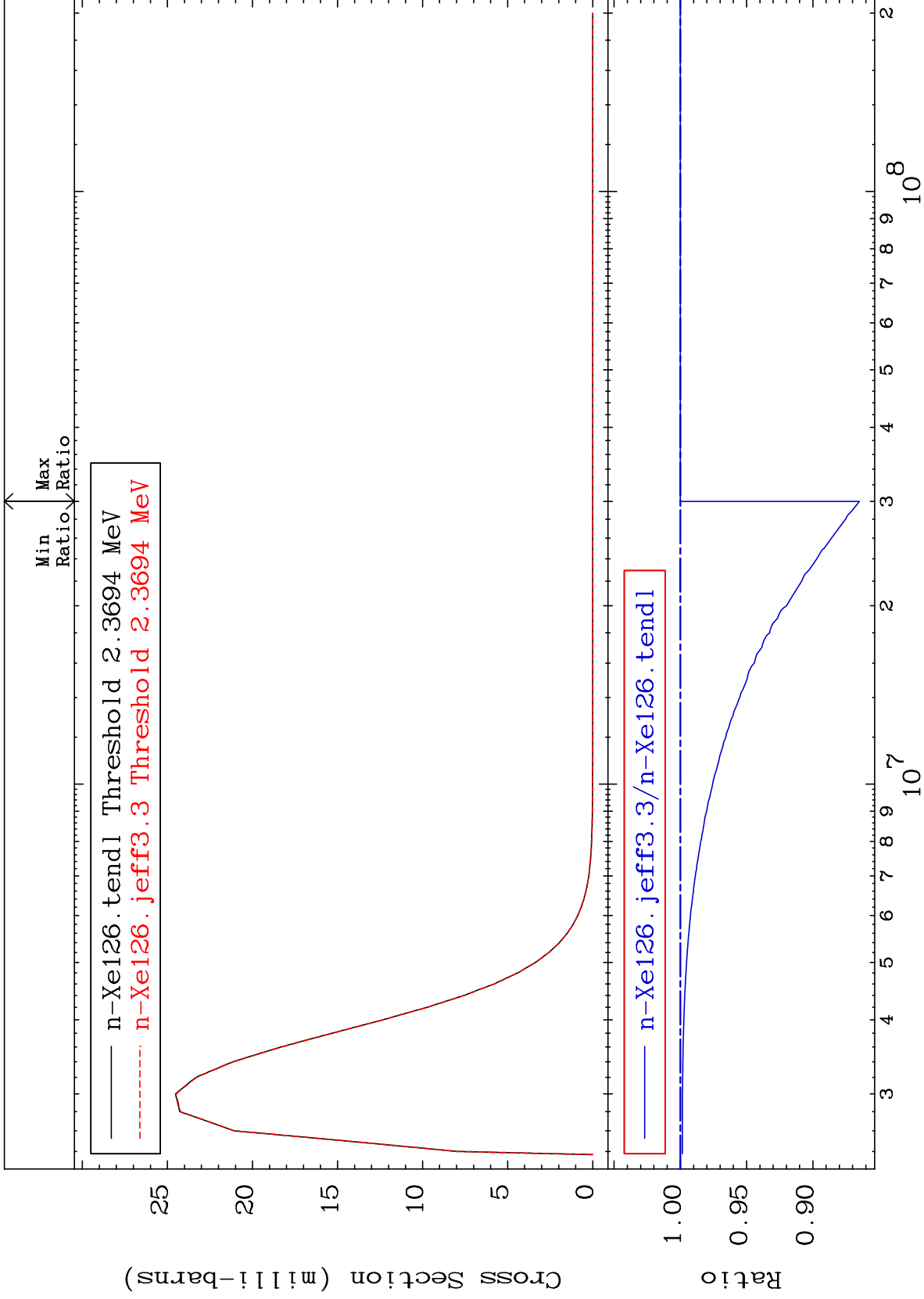
54-Xe-126
-0.290 To 0.000 %



MAT 5431

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

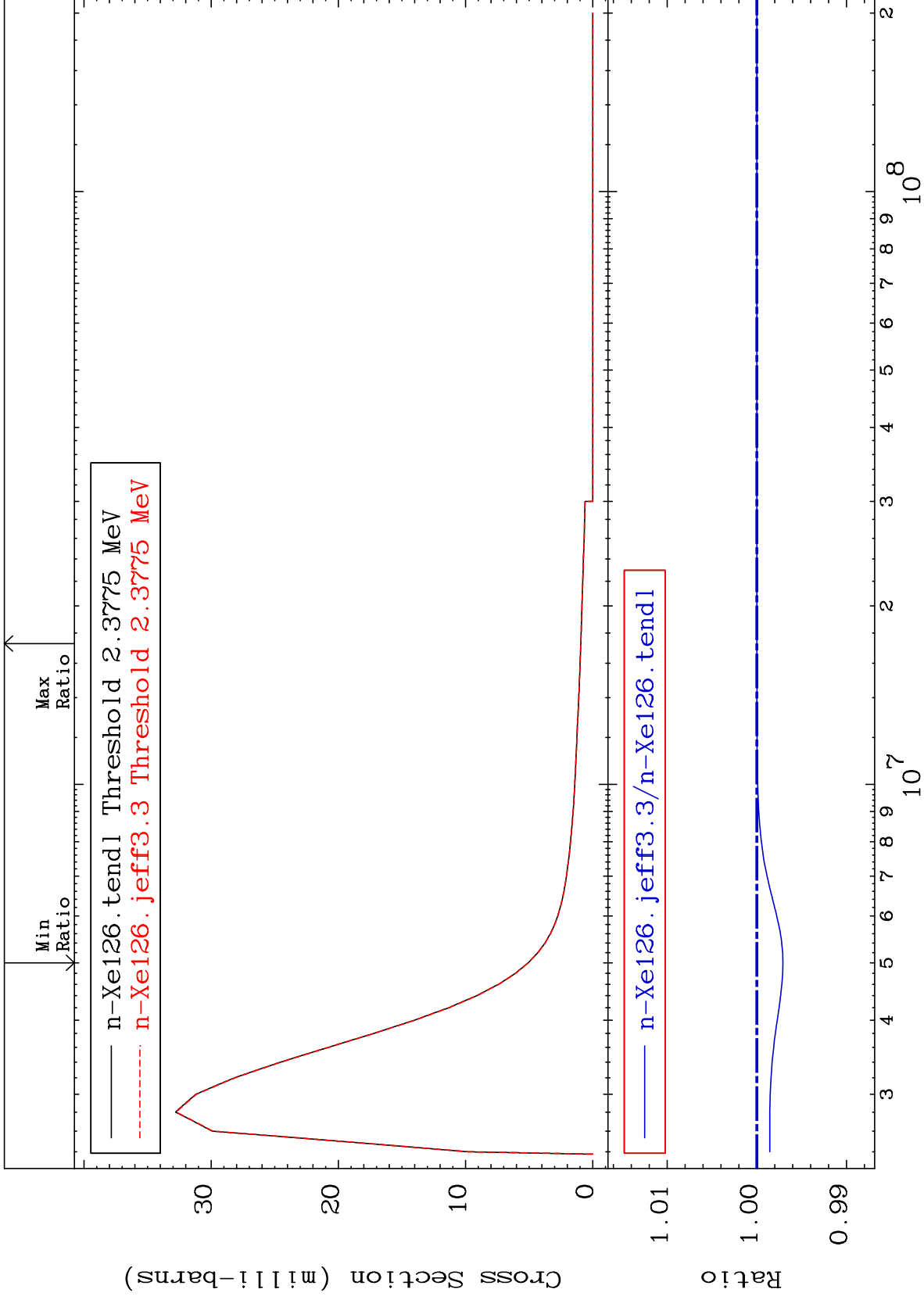
54-Xe-126
-13.51 To 0.000 %



MAT 5431

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

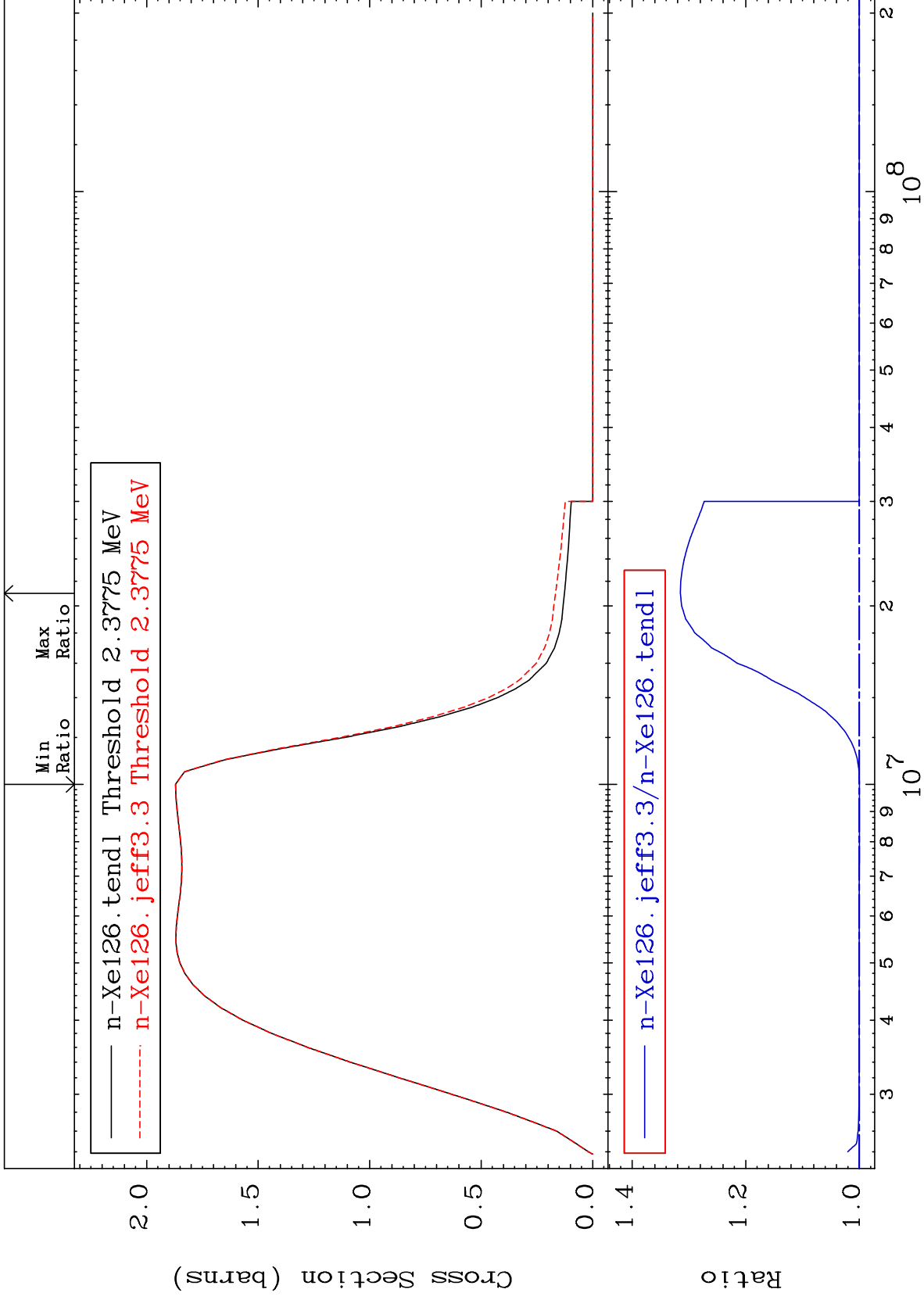
54-Xe-126
-0.291 To 0.000 %

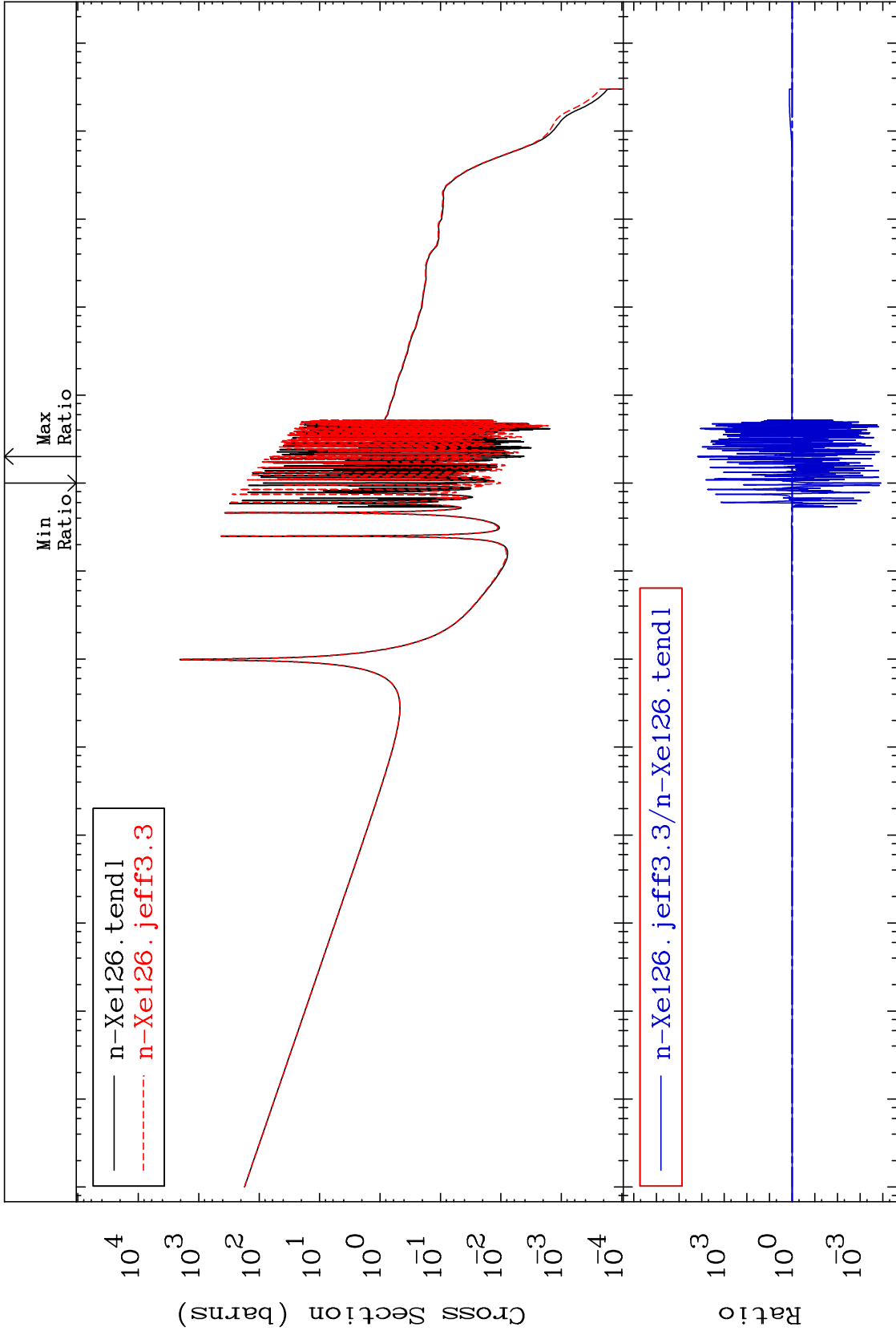


MAT 5431

(n, n') Continuum
Cross Section

54-Xe-126
-0.029 To 31.50 %

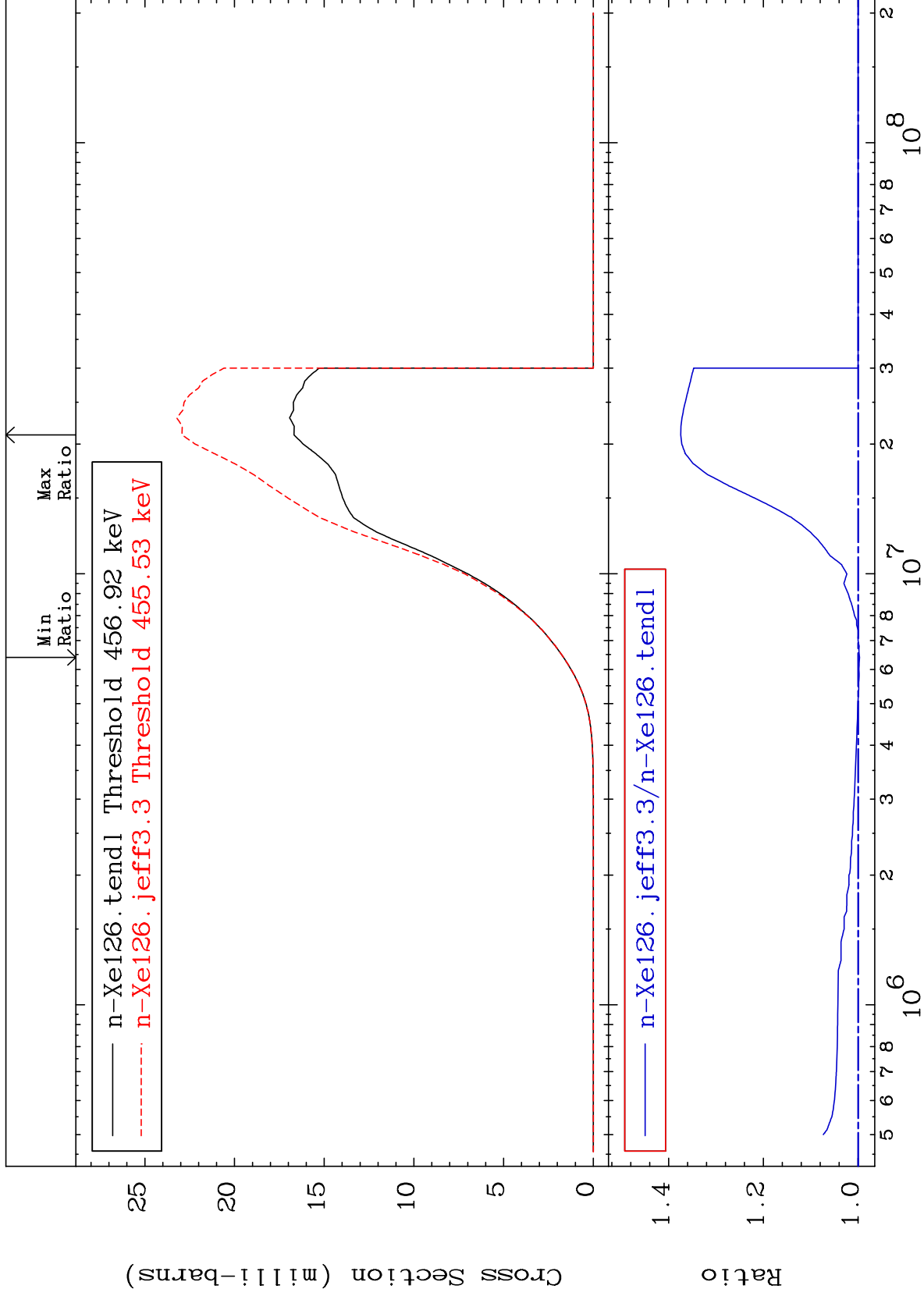




MAT 5431

54-Xe-126

(n,p)
Cross Section
-0.296 To 37.46 %



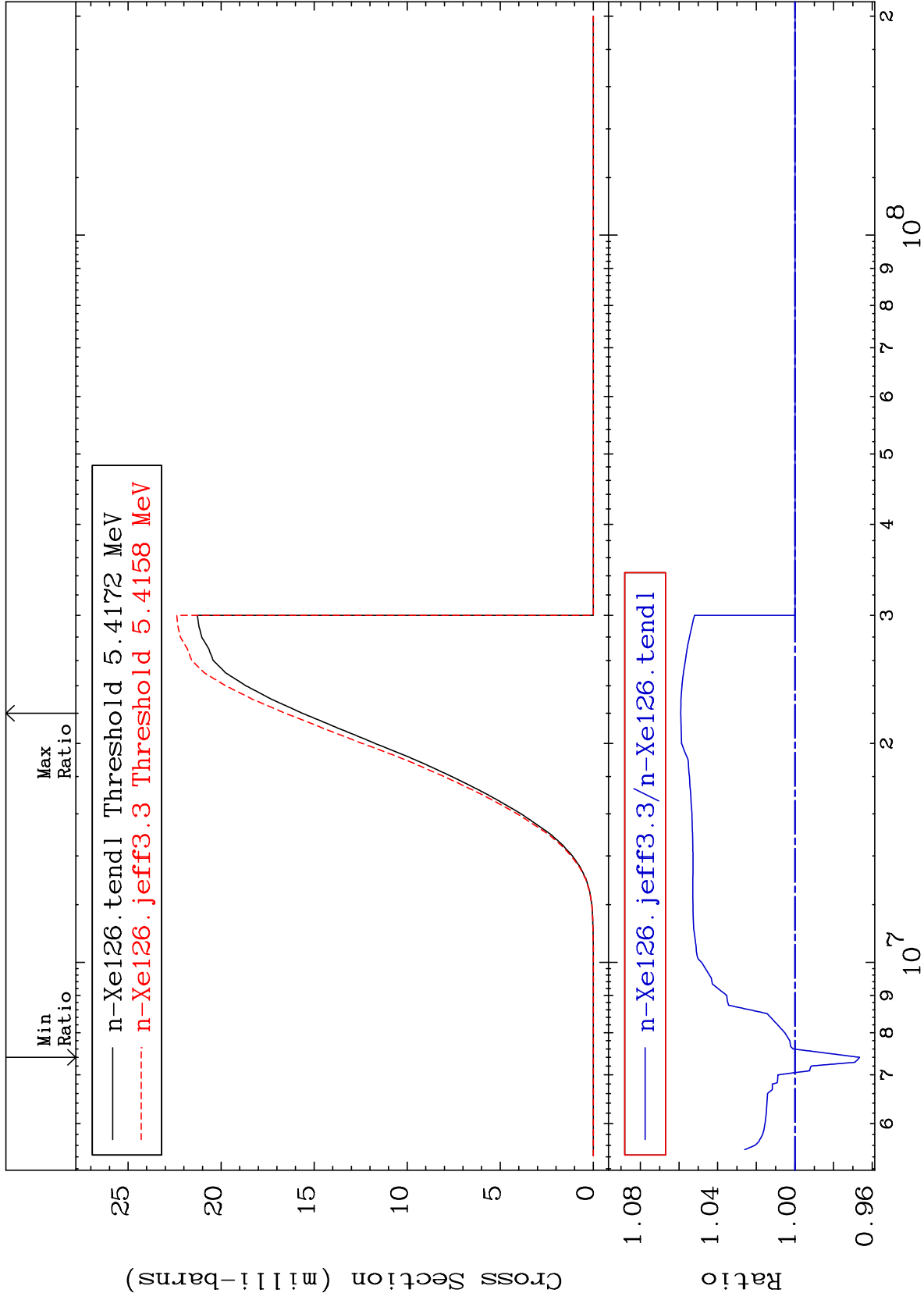
52

Incident Energy (eV)

54-Xe-126

Cross Section

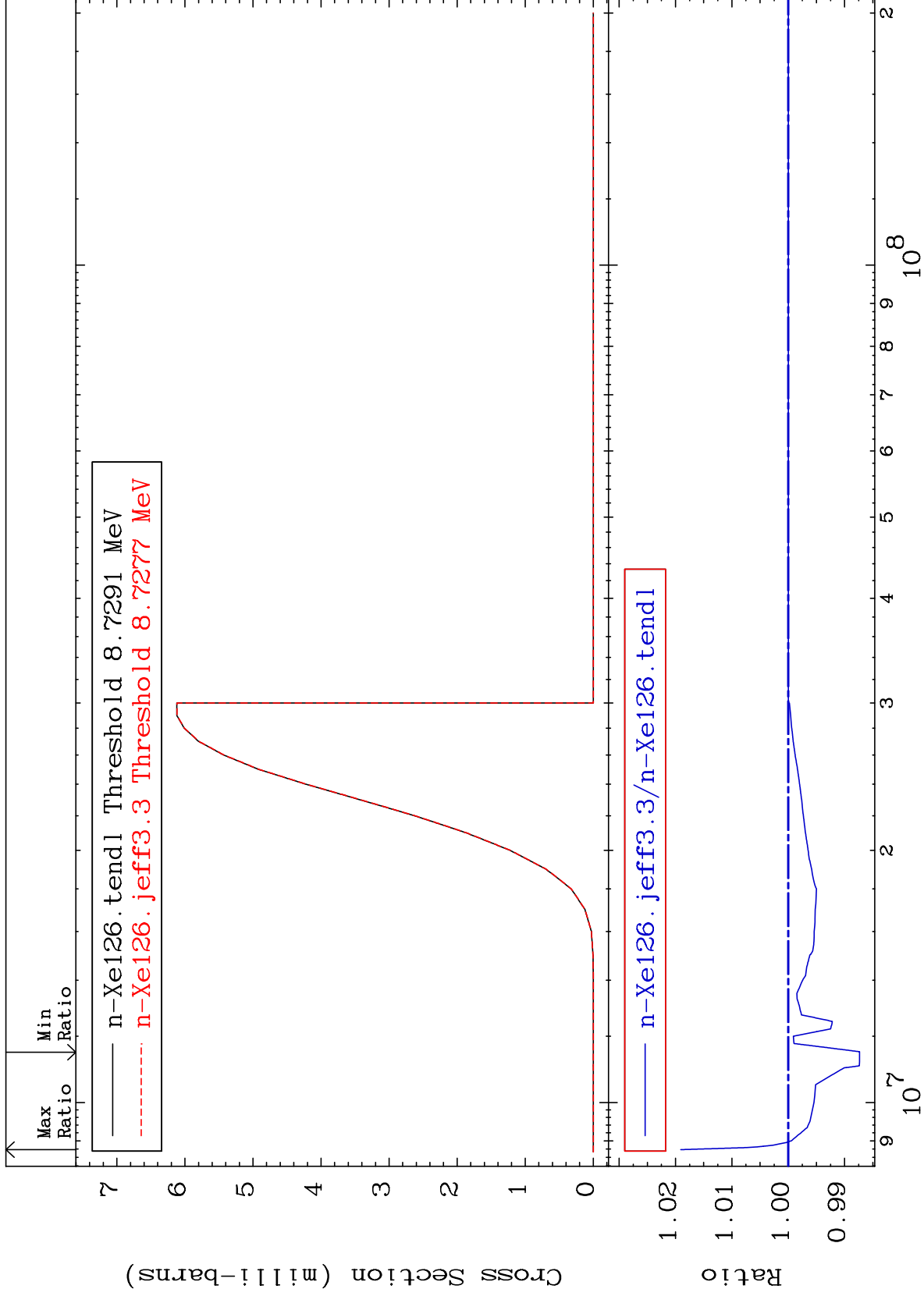
-3.341 To 5.906 %



MAT 5431

(n, t)
Cross Section

54-Xe-126
-1.265 To 1.907 %



54

Incident Energy (eV)

54-Xe-126

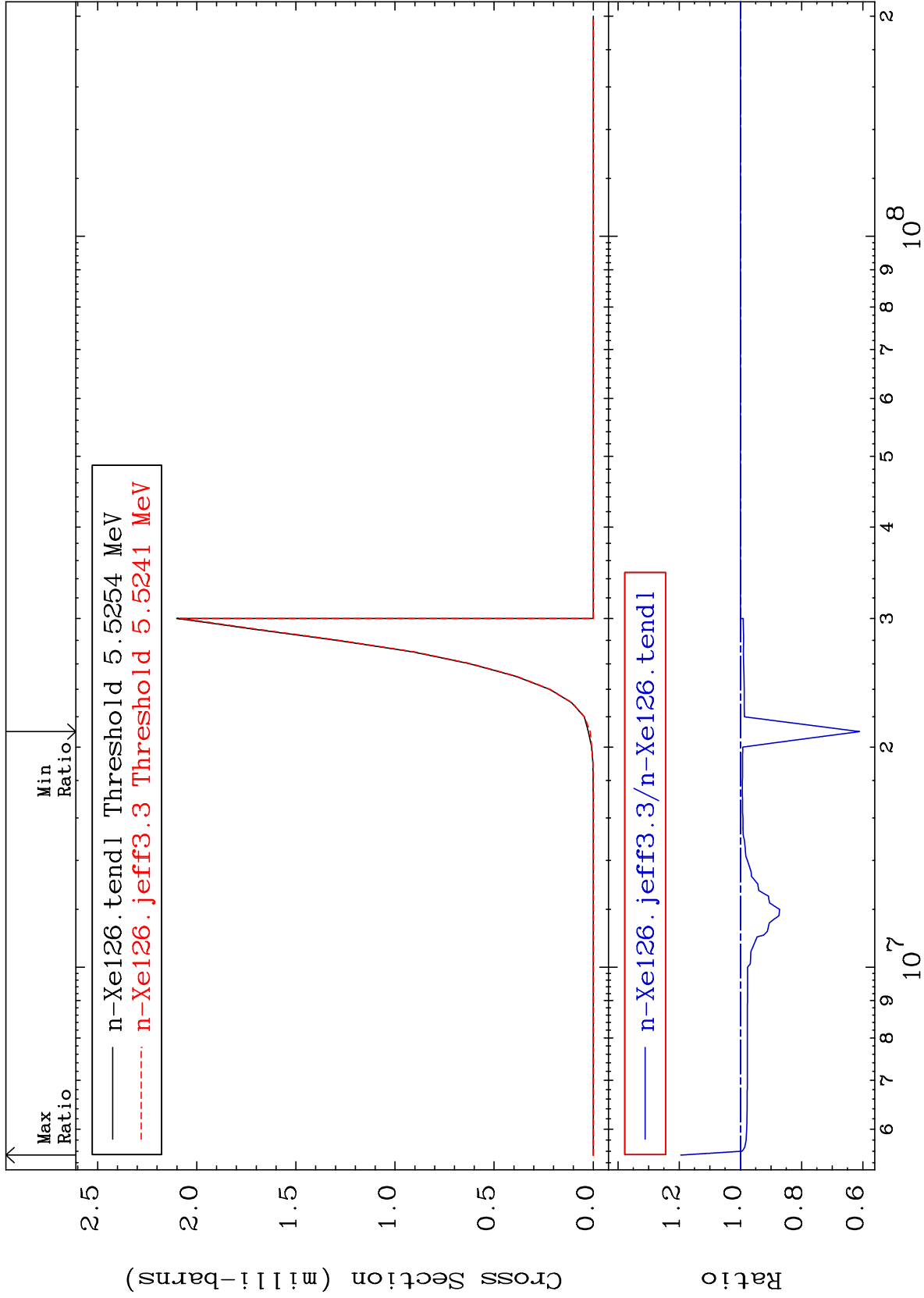
MAT 5431

(n, He-3)

54-Xe-126

Cross Section

-38.92 To 19.50 %



55

54-Xe-126

54-Xe-126

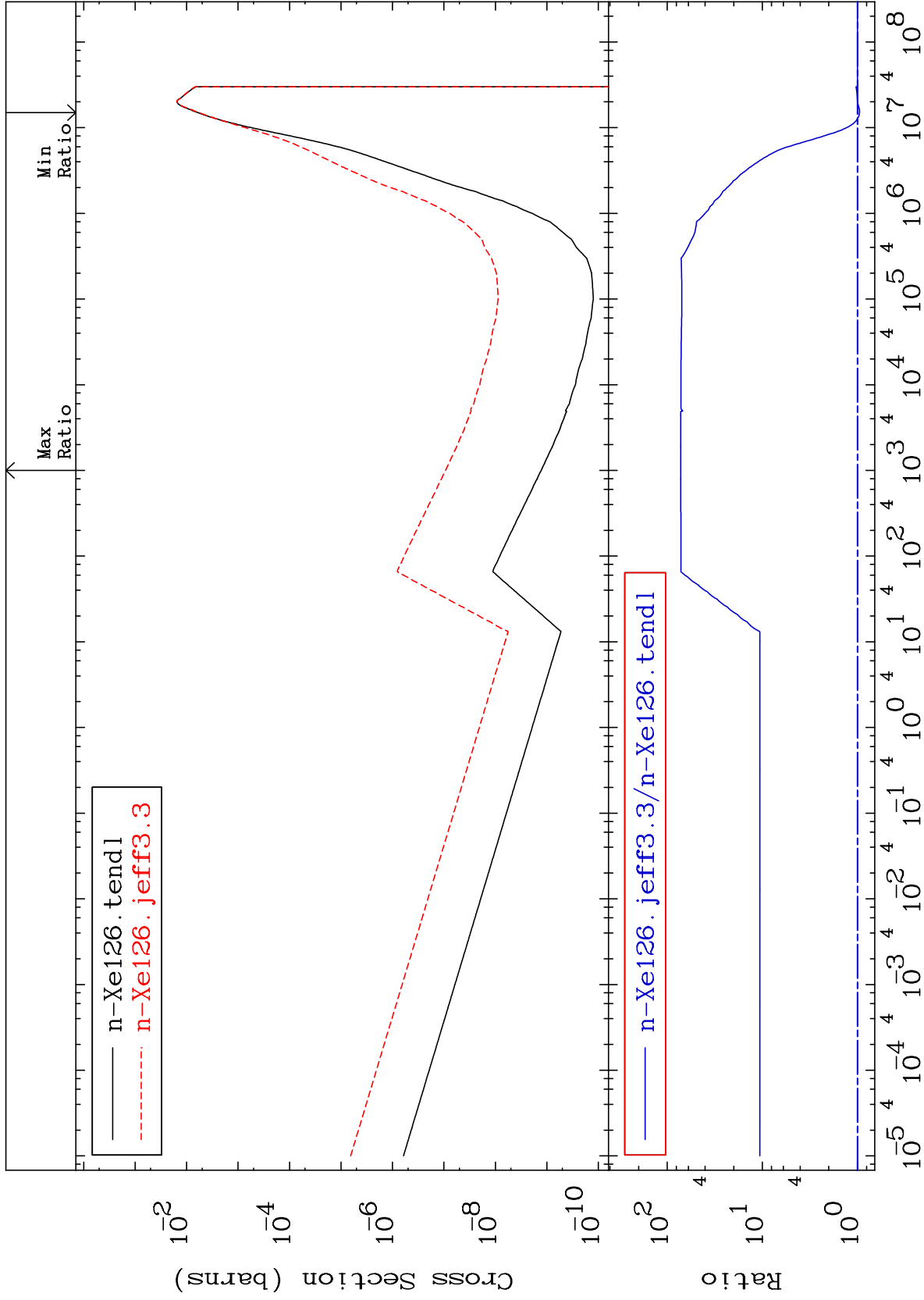
MAT 5431

(n, α)

54-Xe-126

Cross Section

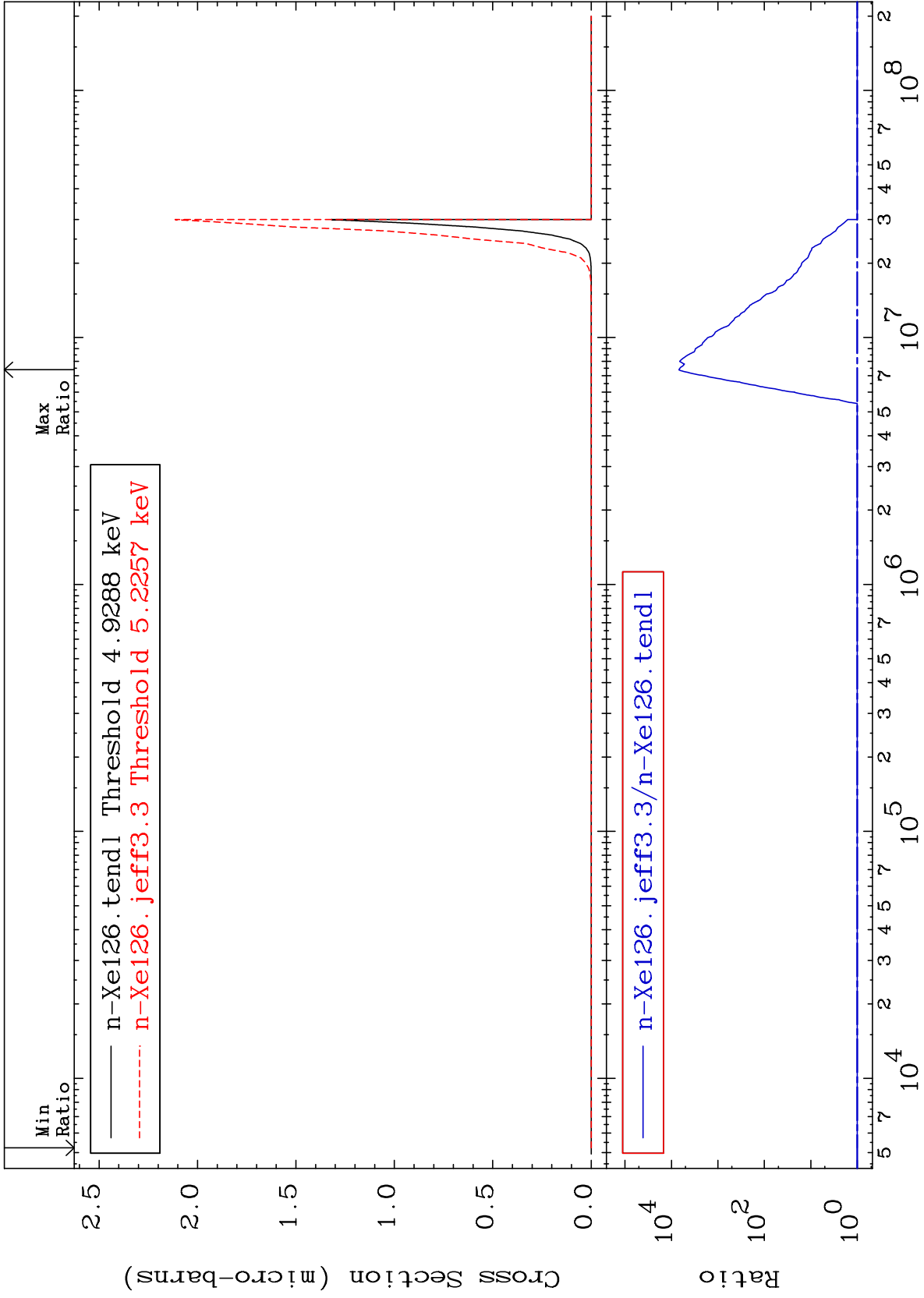
-4.902 To 7106. %



Incident Energy (eV)

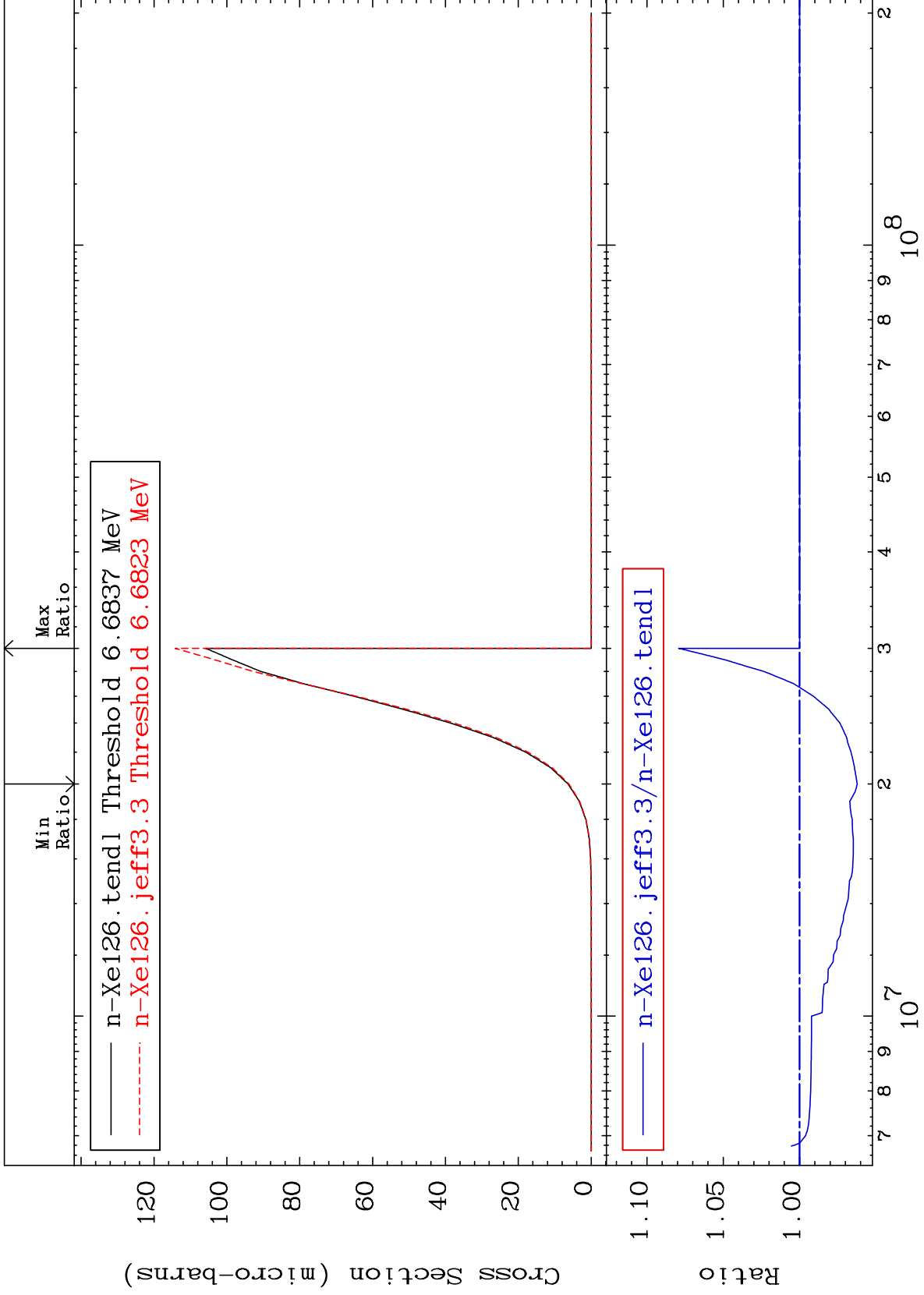
54-Xe-126

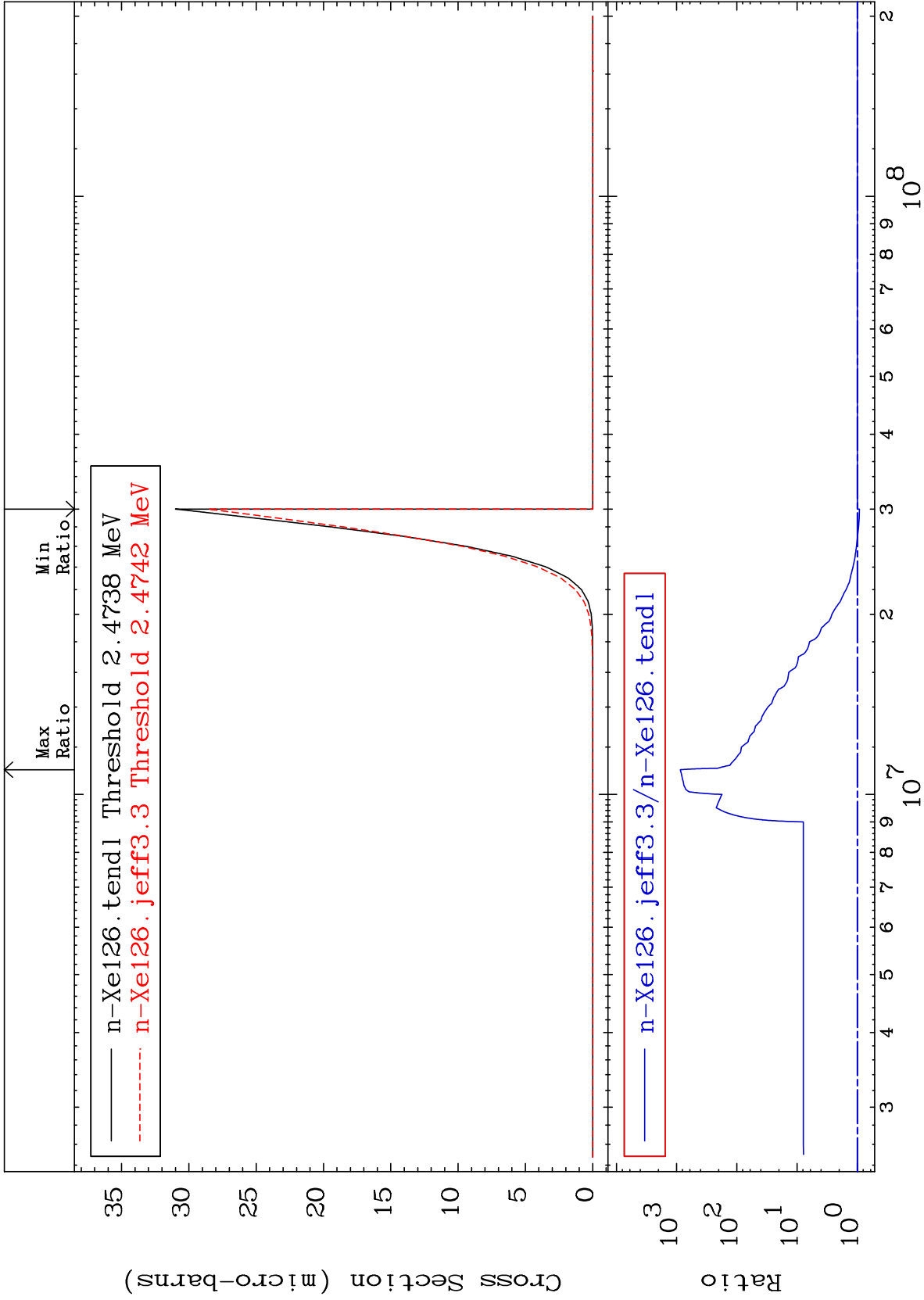
56



MAT 5431

(n,2p) Cross Section
54-Xe-126
-3.778 To 7.923 %





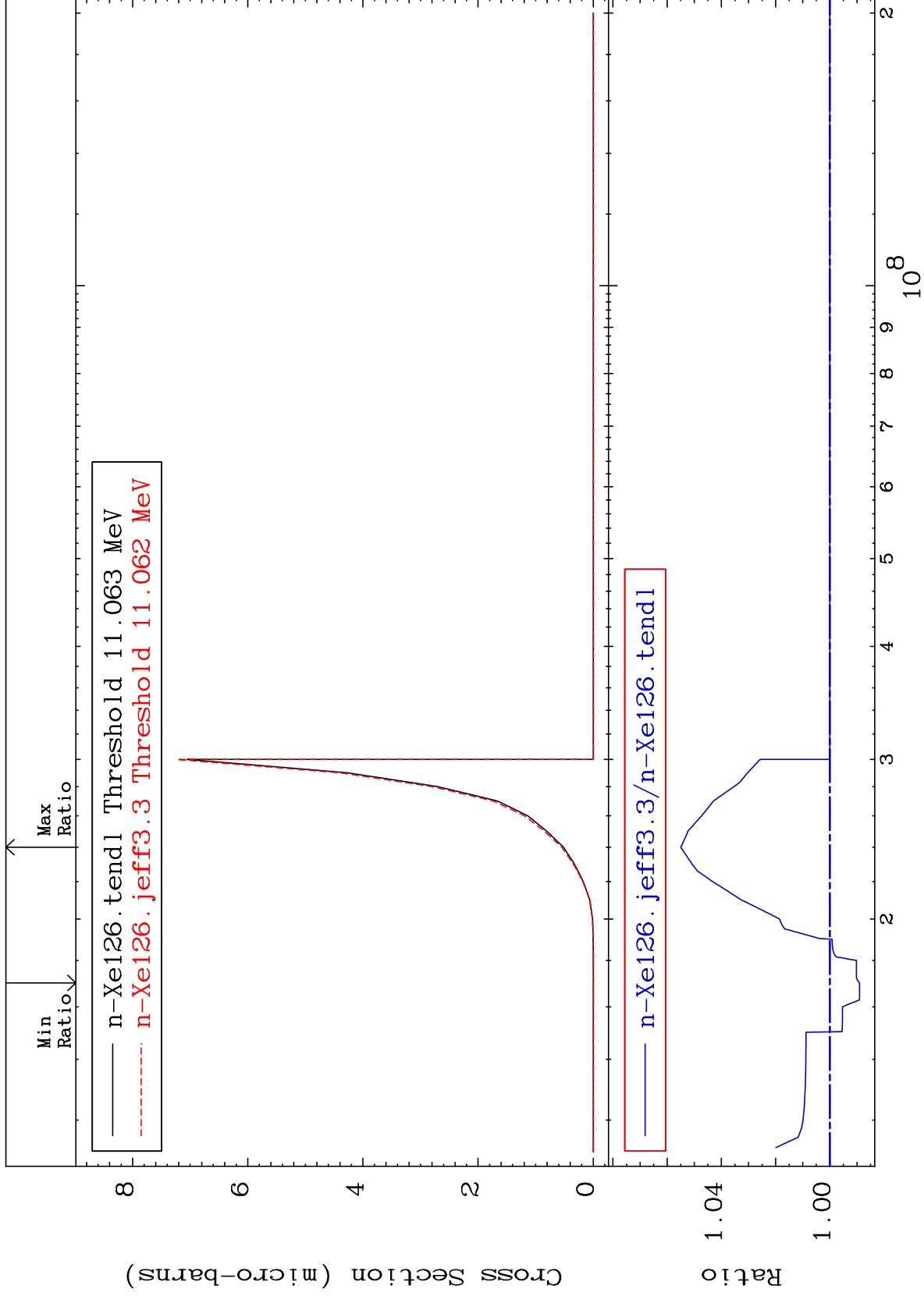
MAT 5431

(n,p) d

54-Xe-126

Cross Section

-1.096 To 5.499 %



60

Incident Energy (eV)

54-Xe-126

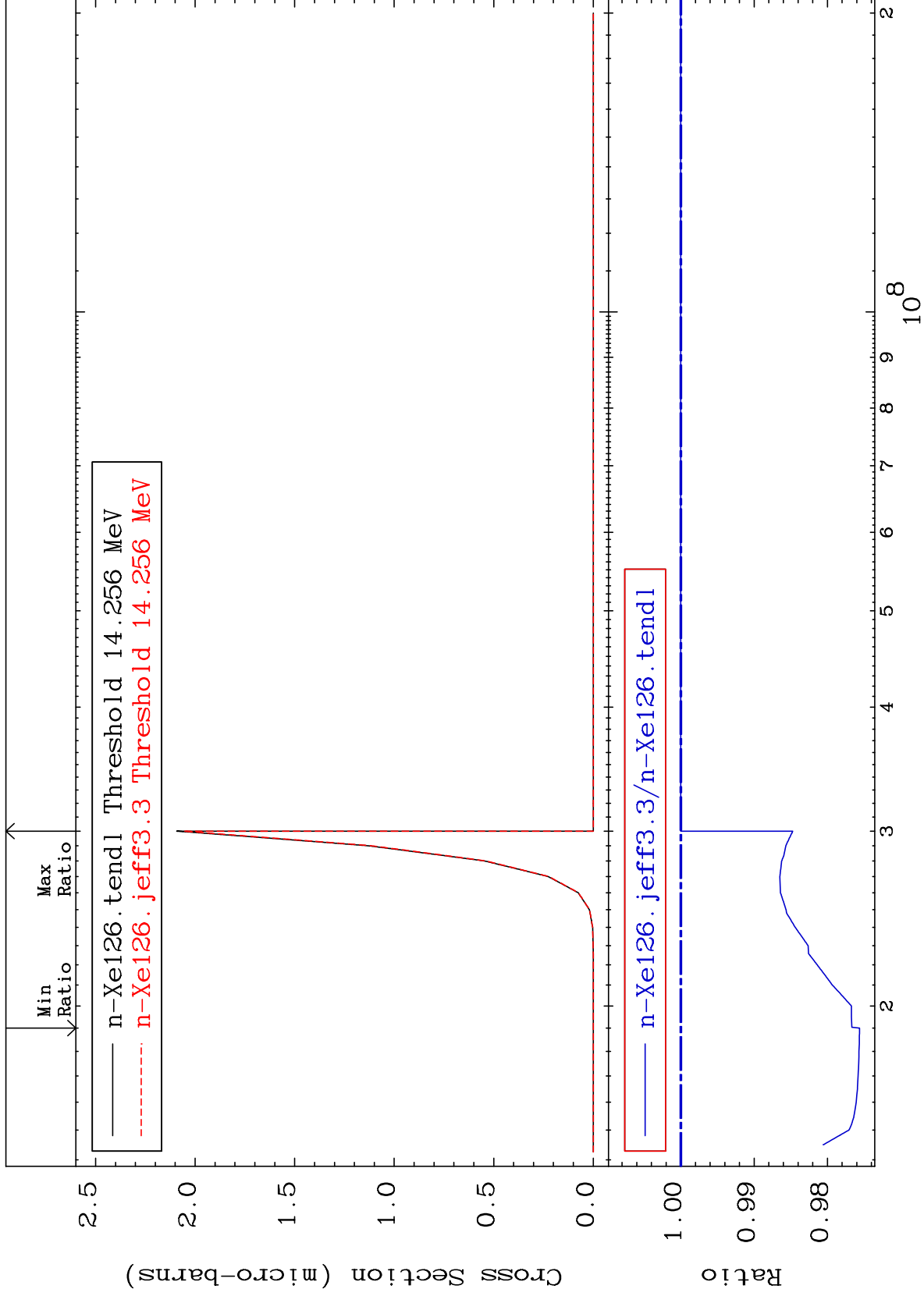
MAT 5431

(n,p) t

54-Xe-126

Cross Section

-2.438 To 0.000 %



61

Incident Energy (eV)

54-Xe-126

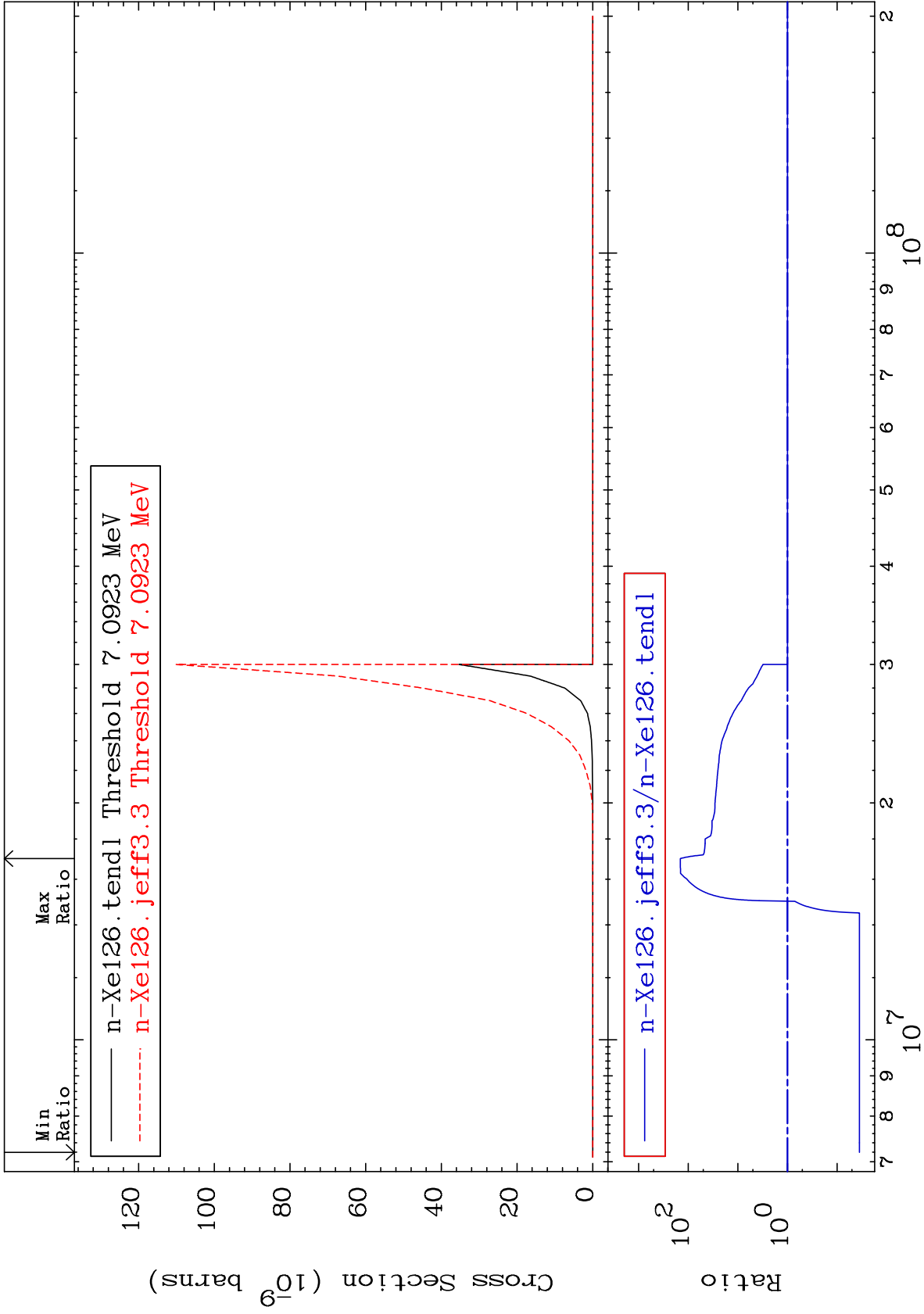
MAT 5431

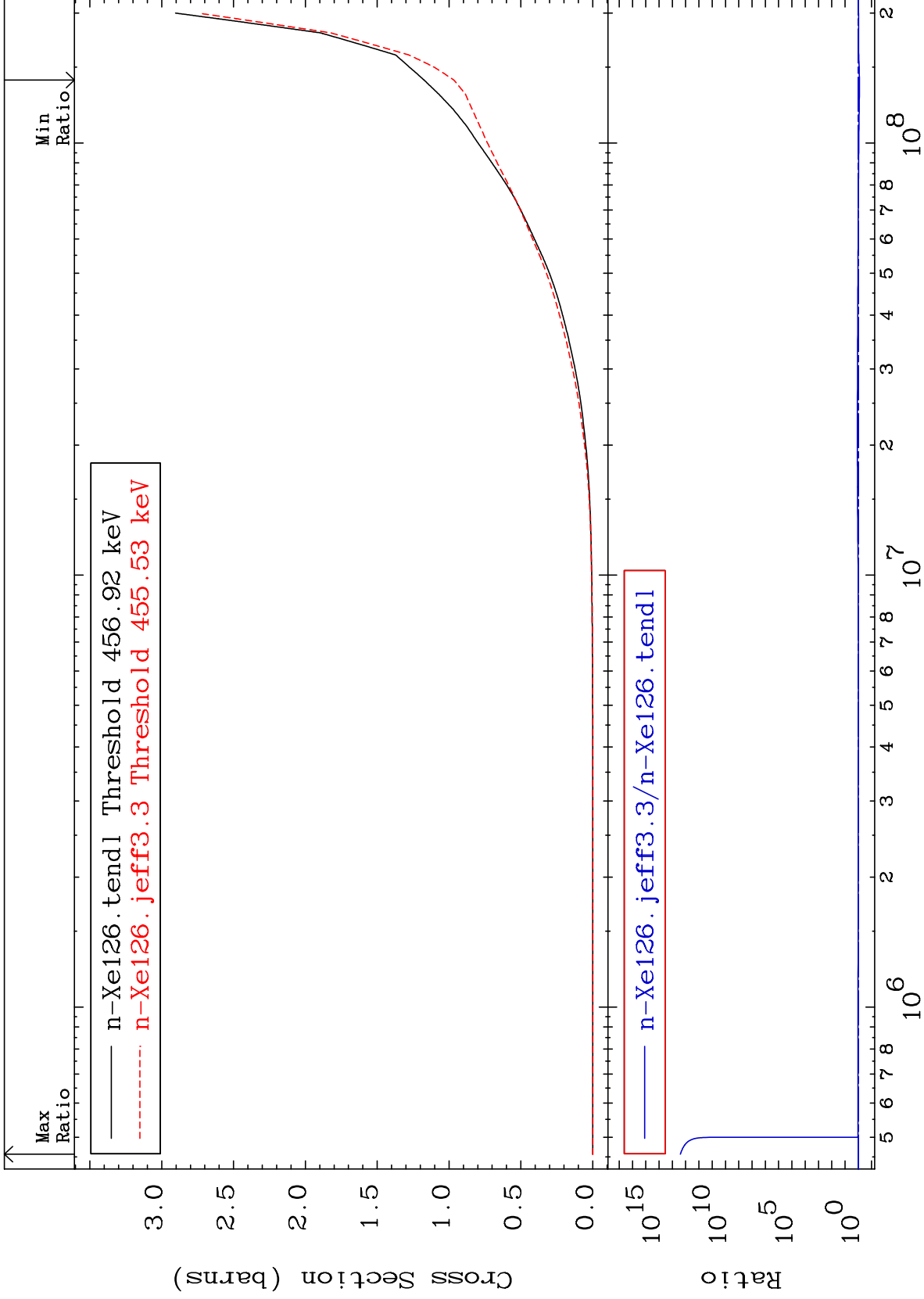
(n, d) α

54-Xe-126

Cross Section

-96.47 To 9999. %

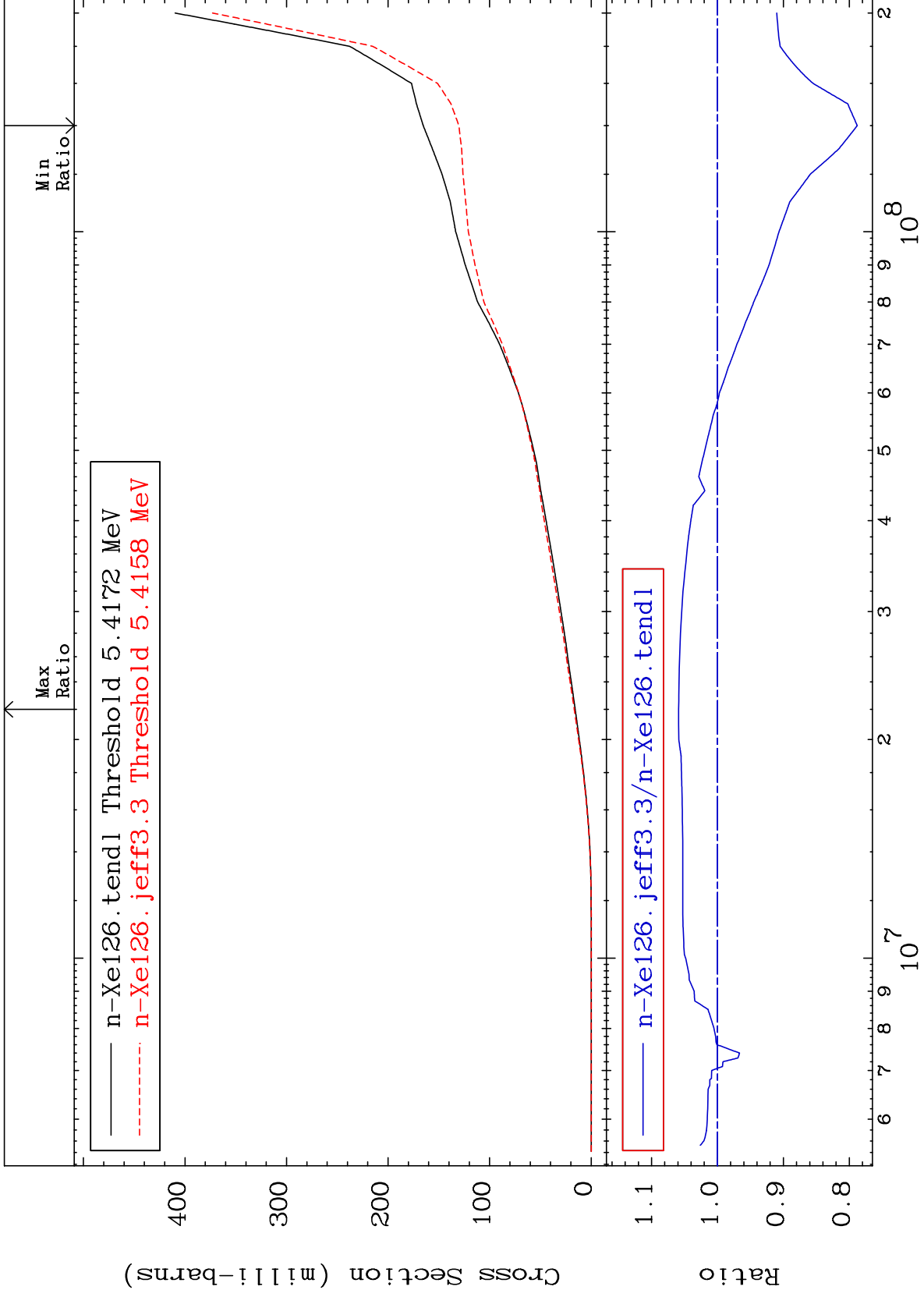




MAT 5431

Deuterium Production
Cross Section

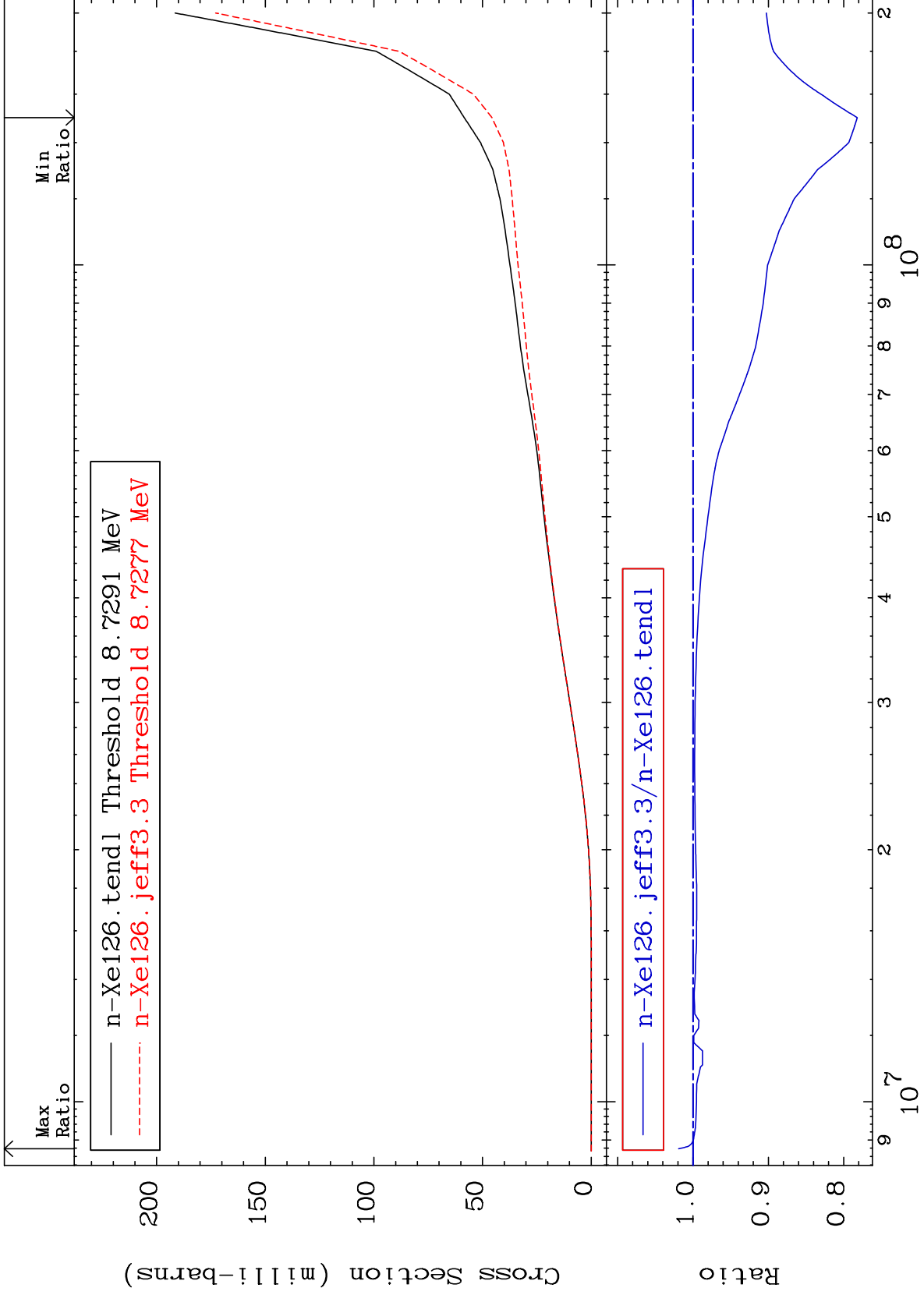
54-Xe-126
-21.21 To 5.890 %



MAT 5431

Tritium Production
Cross Section

54-Xe-126
-21.80 To 1.907 %



65

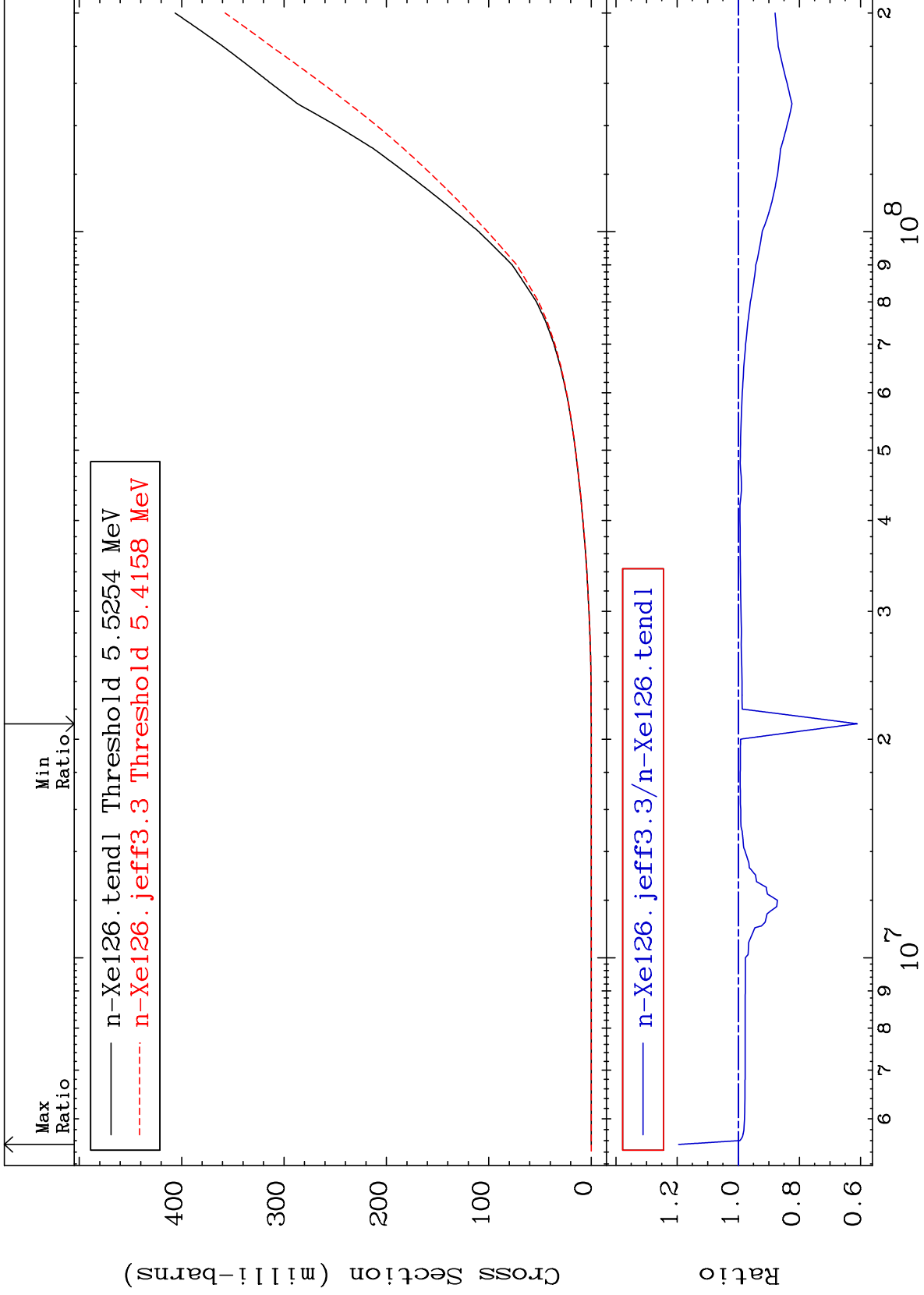
Incident Energy (eV)

54-Xe-126

MAT 5431

He-3 Production
Cross Section

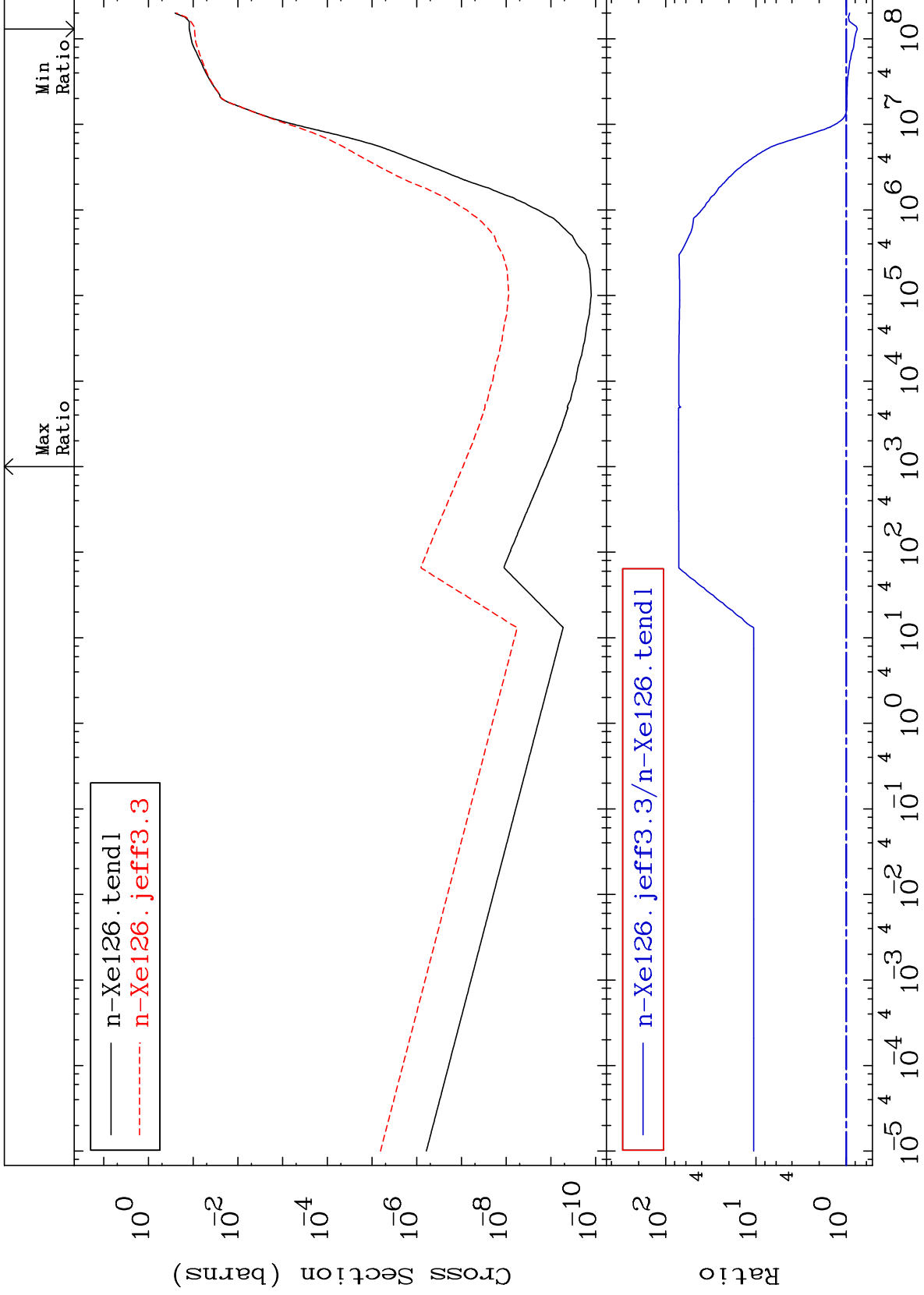
54-Xe-126
-38.92 To 19.50 %



MAT 5431

He-4 Production
Cross Section

54-Xe-126
-24.32 To 7106. %



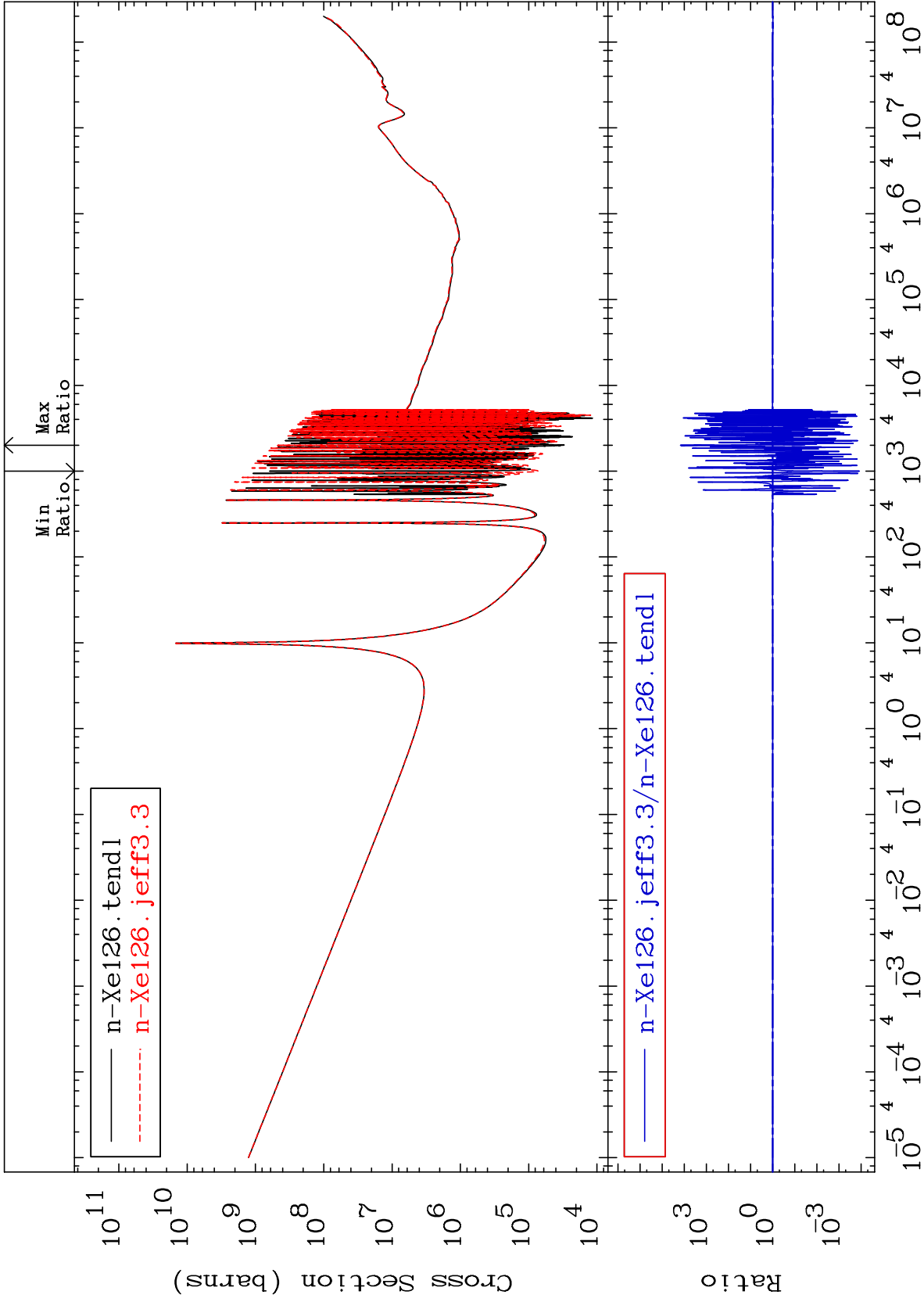
67

Incident Energy (eV)

54-Xe-126

Cross Section

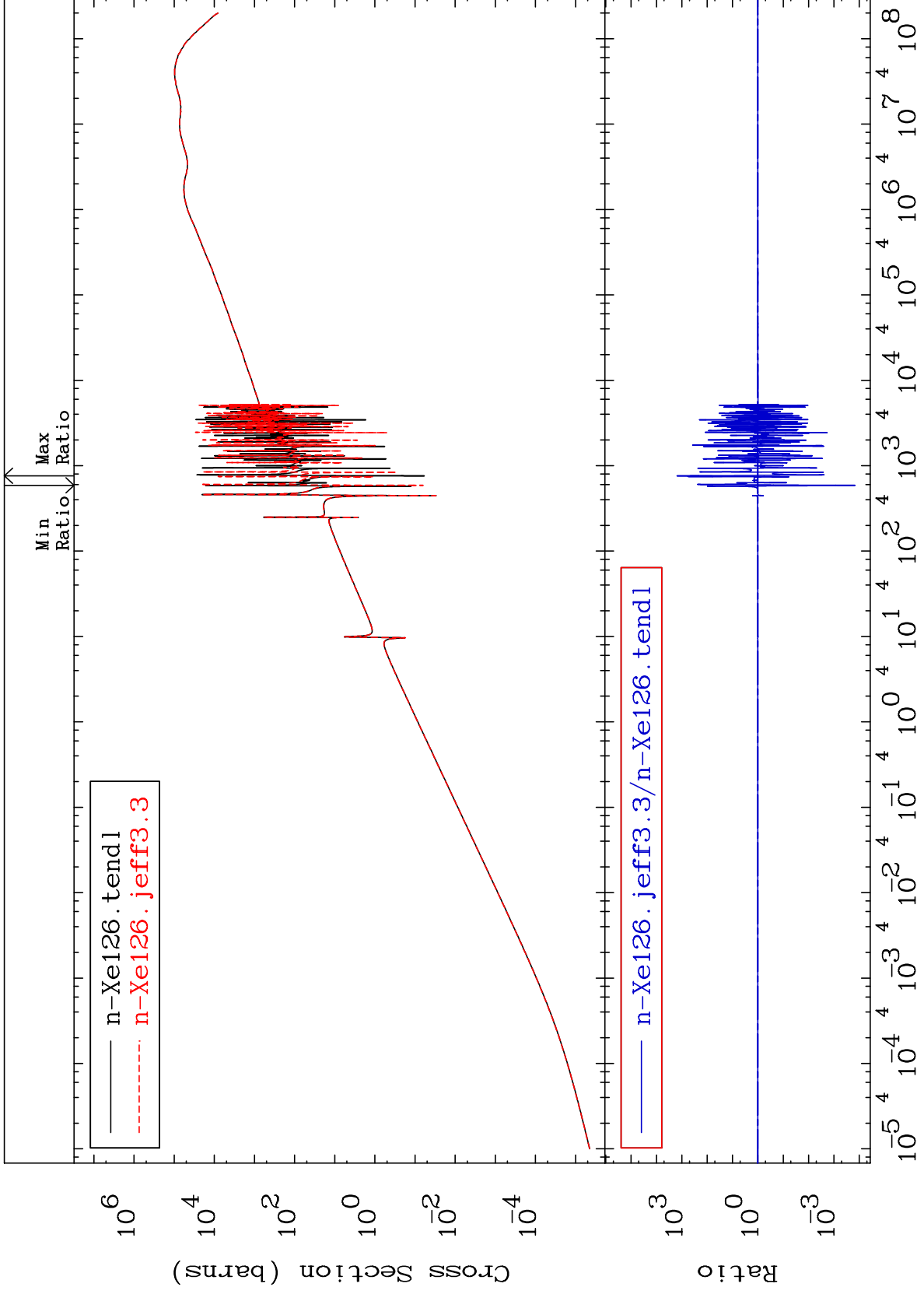
-99.99 To 9999. %



MAT 5431

Kerma elastic
Cross Section

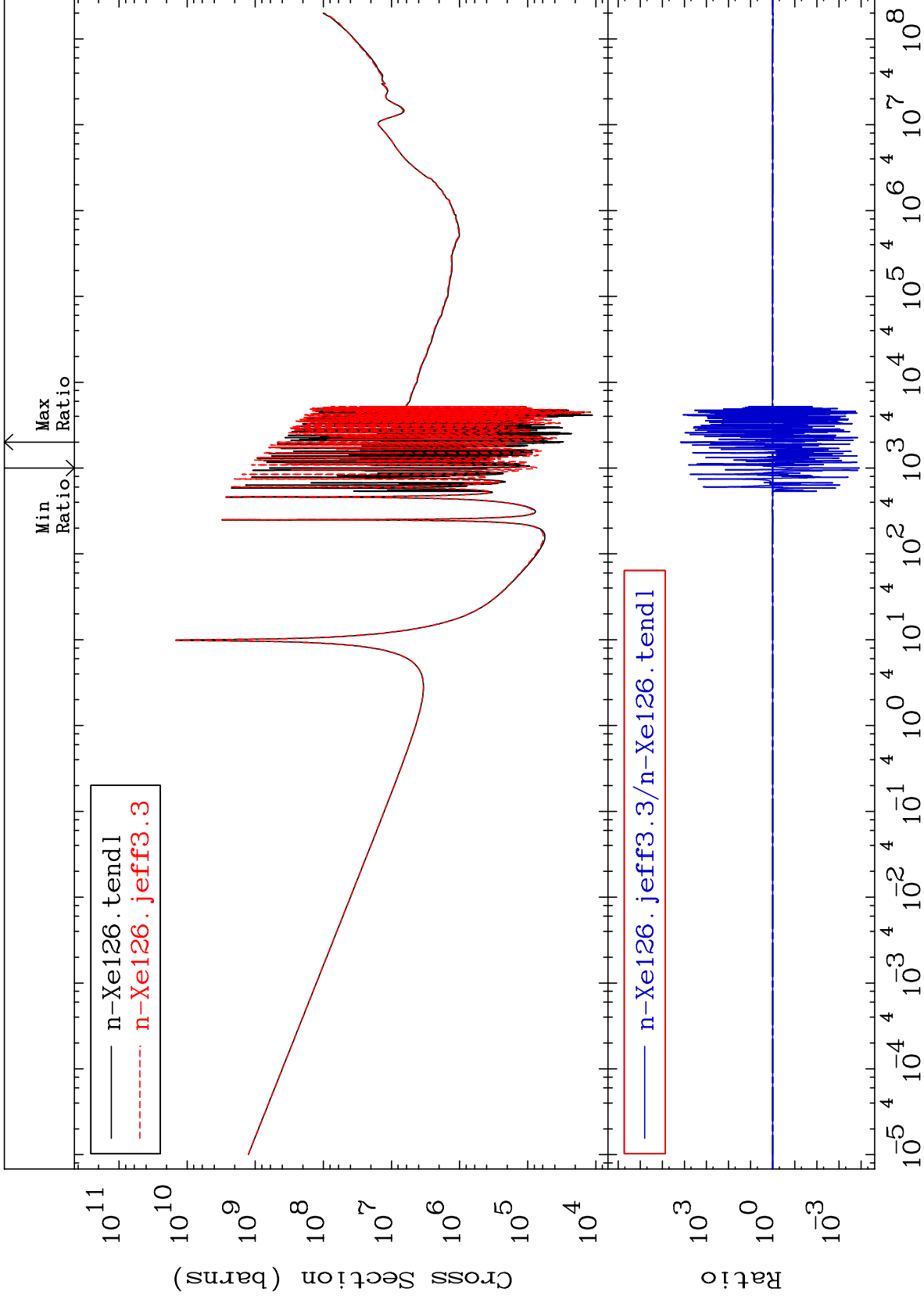
54-Xe-126
-99.99 To 9999. %



MAT 5431

Kerma non-elastic (all but mt2)
Cross Section

54-Xe-126
-99.99 To 9999. %



70

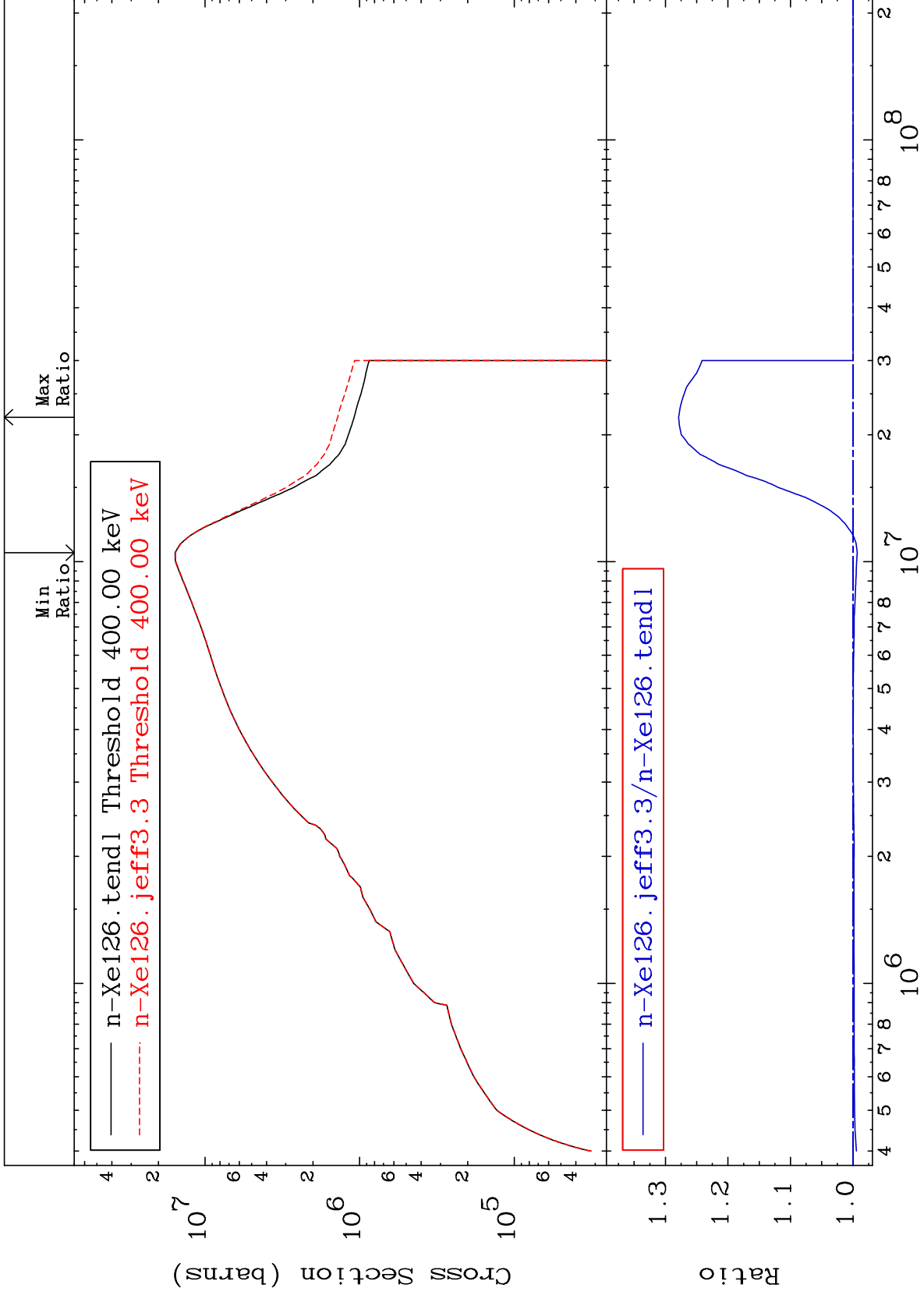
Incident Energy (eV)

54-Xe-126

MAT 5431

Kerma inelastic (mt51-91)
Cross Section

54-Xe-126
-0.679 To 27.89 %



71

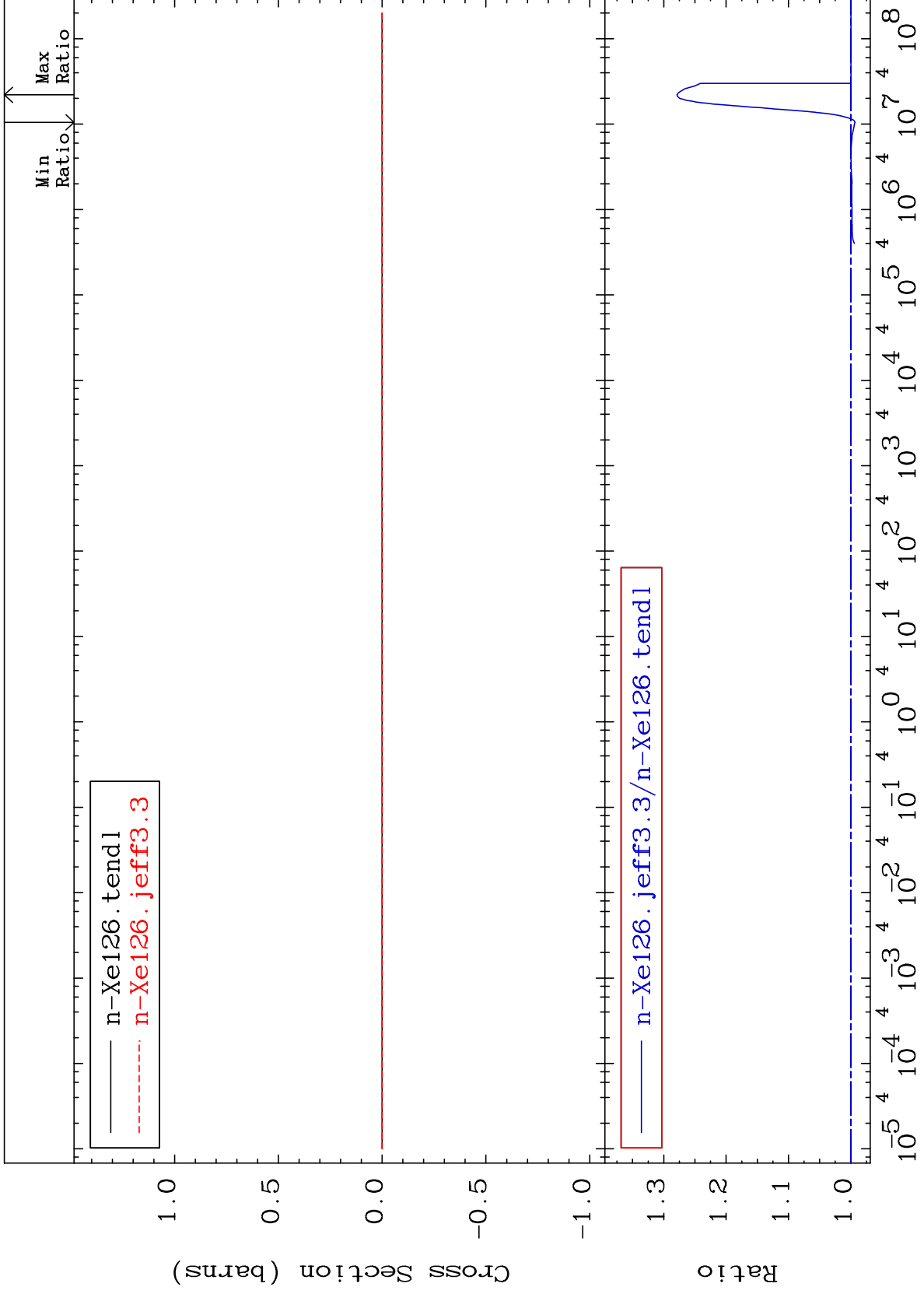
Incident Energy (eV)

54-Xe-126

MAT 5431

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

54-Xe-126
-0.679 To 27.89 %



72

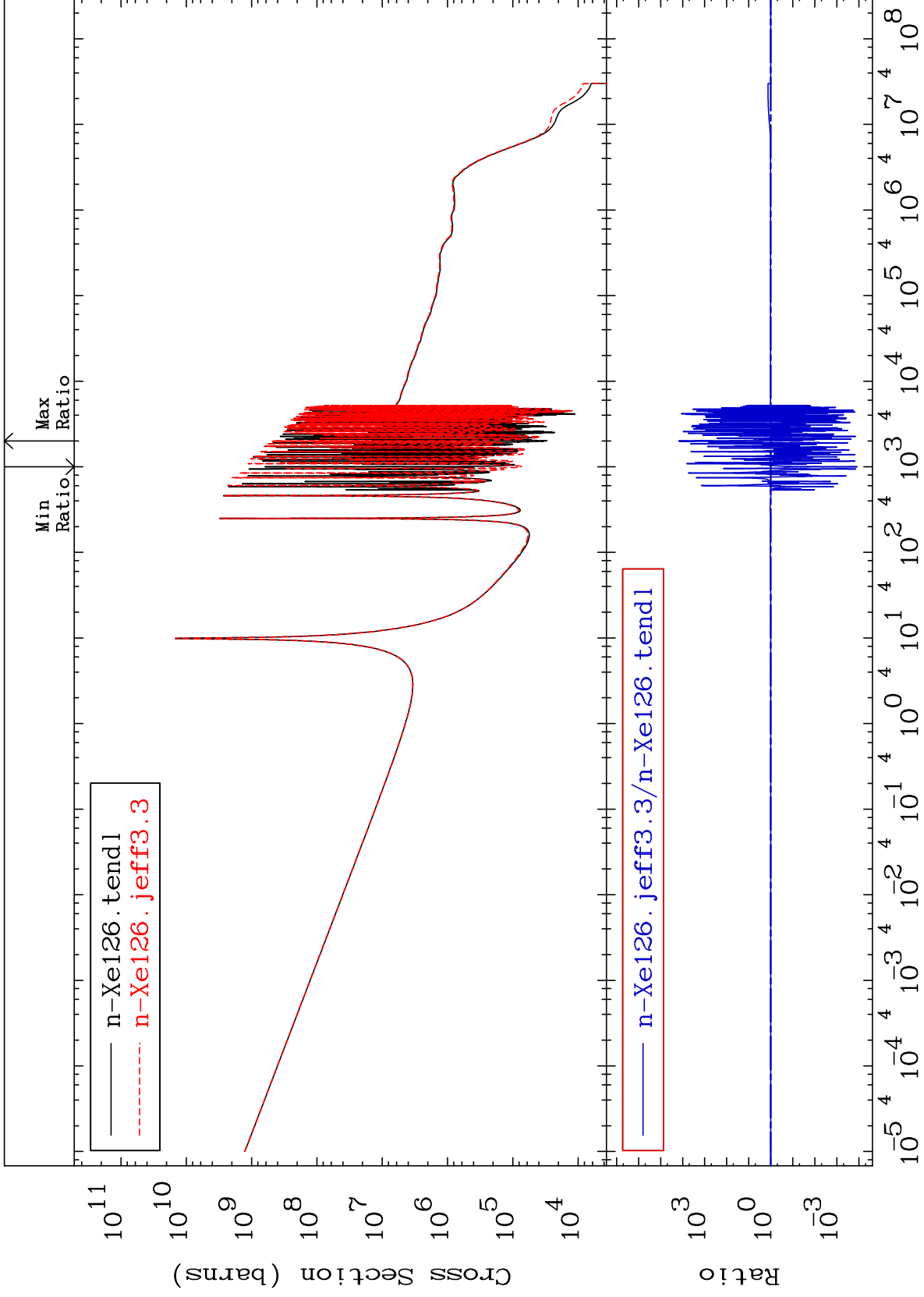
Incident Energy (eV)

54-Xe-126

MAT 5431

Kerma capture (mt102)
Cross Section

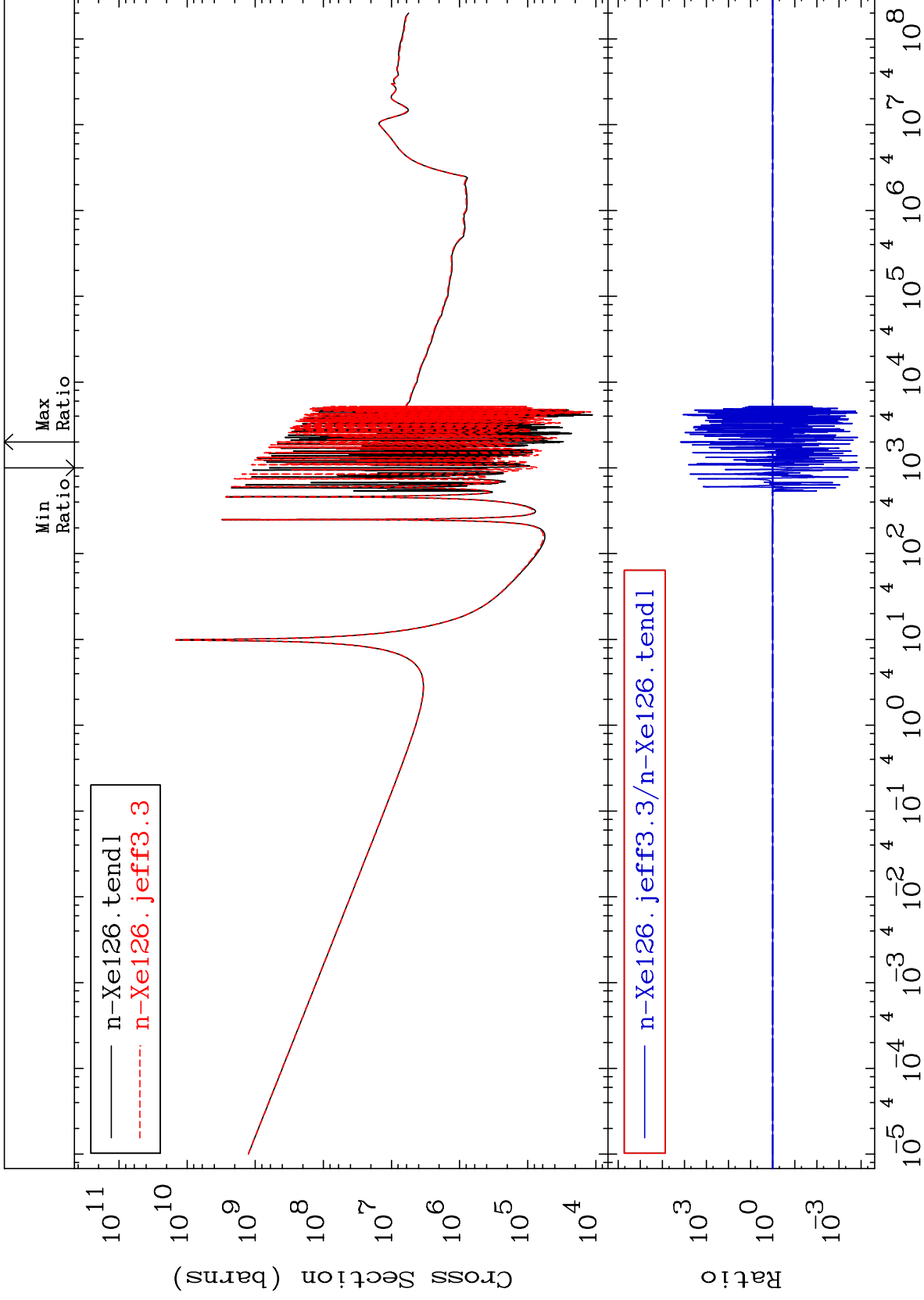
54-Xe-126
-99.99 To 9999. %



73

Incident Energy (eV)

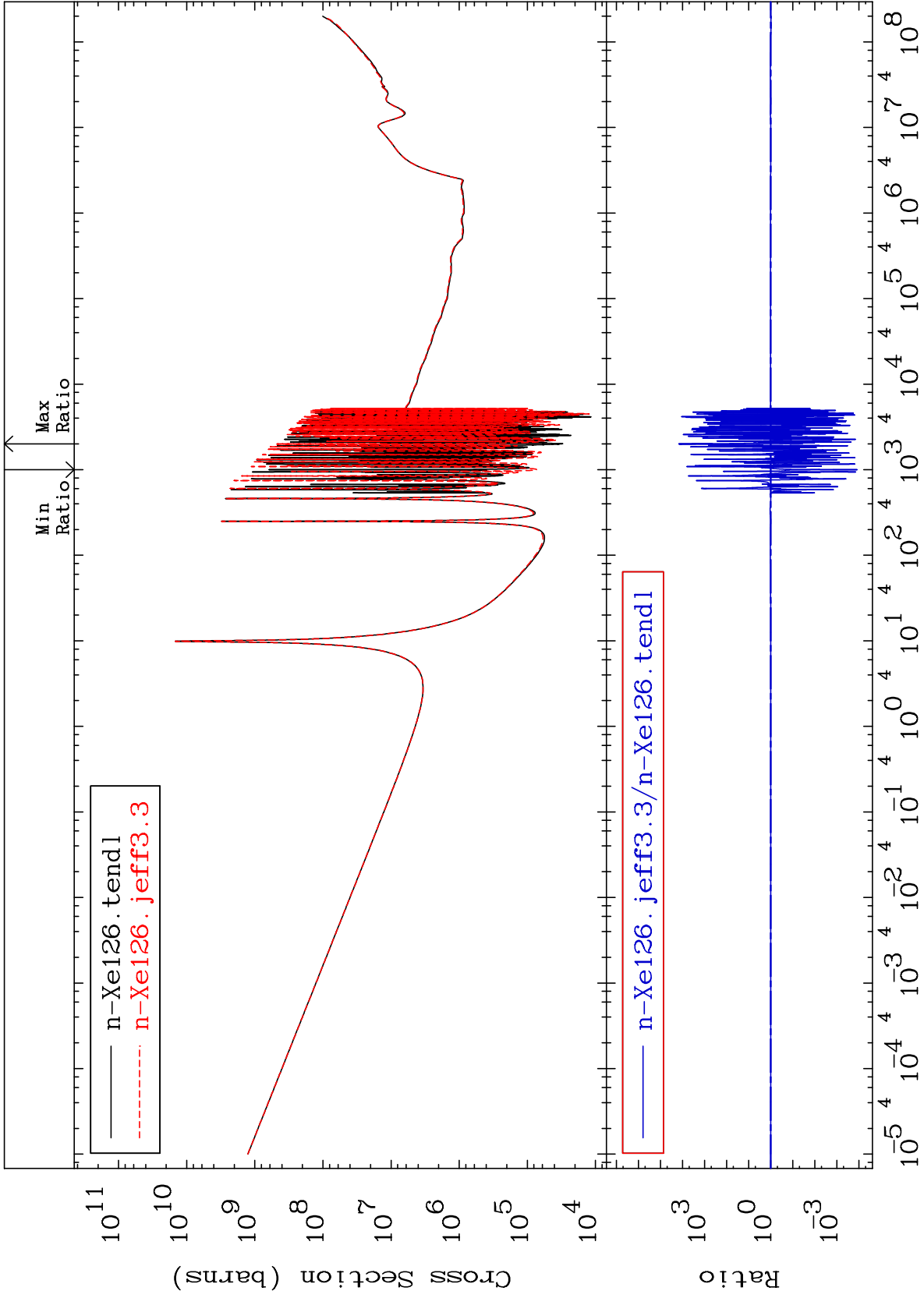
54-Xe-126



MAT 5431

Total kinematic kerma (high limit)
Cross Section

54-Xe-126
-99.99 To 9999. %



75

Incident Energy (eV)

54-Xe-126

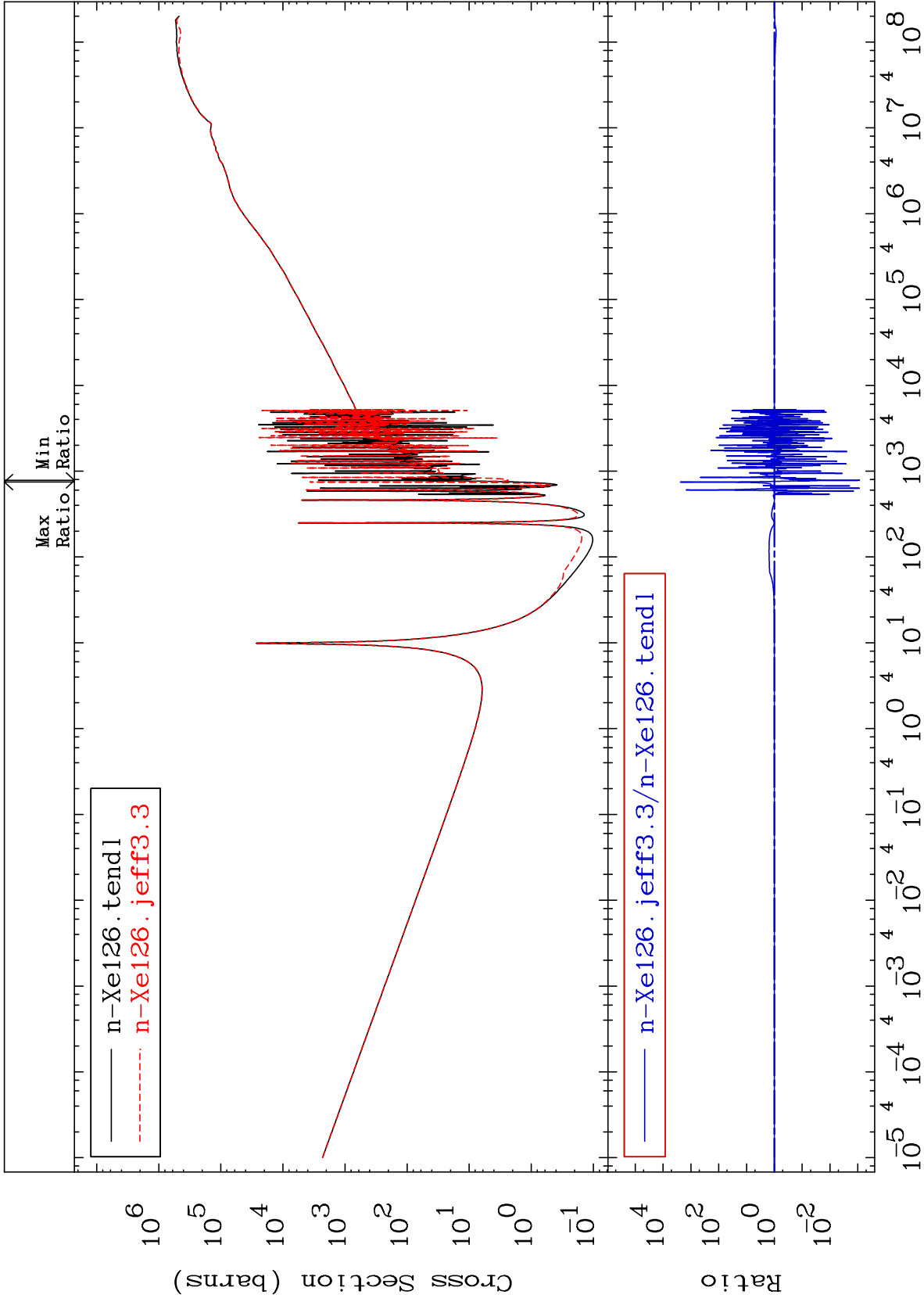
MAT 5431

Dpa total (eV-barns)

54-Xe-126

-99.91 To 9999. %

Cross Section



76

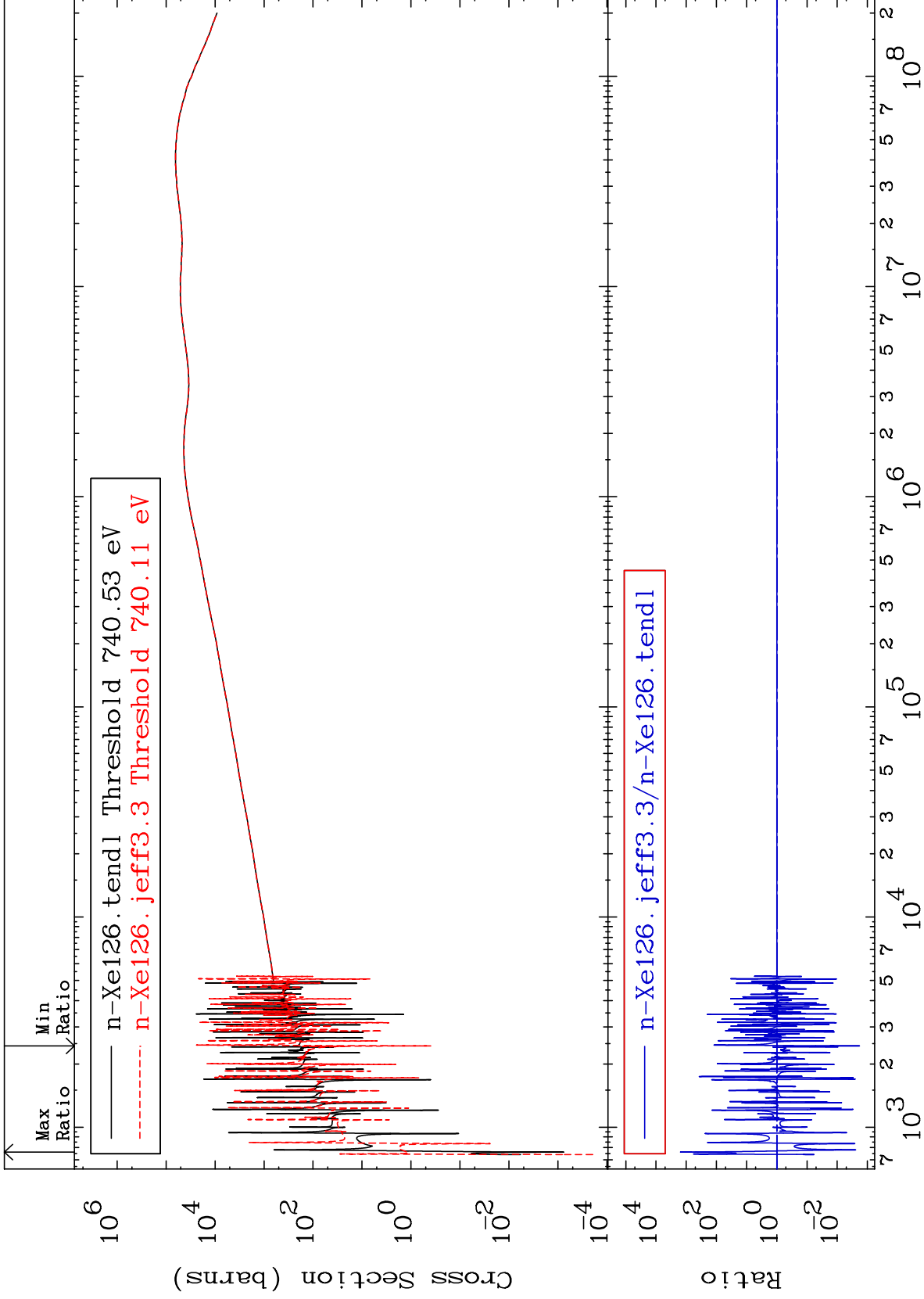
Incident Energy (eV)

54-Xe-126

MAT 5431

Dpa elastic (mt2)
Cross Section

54-Xe-126
-99.82 To 9999. %



77

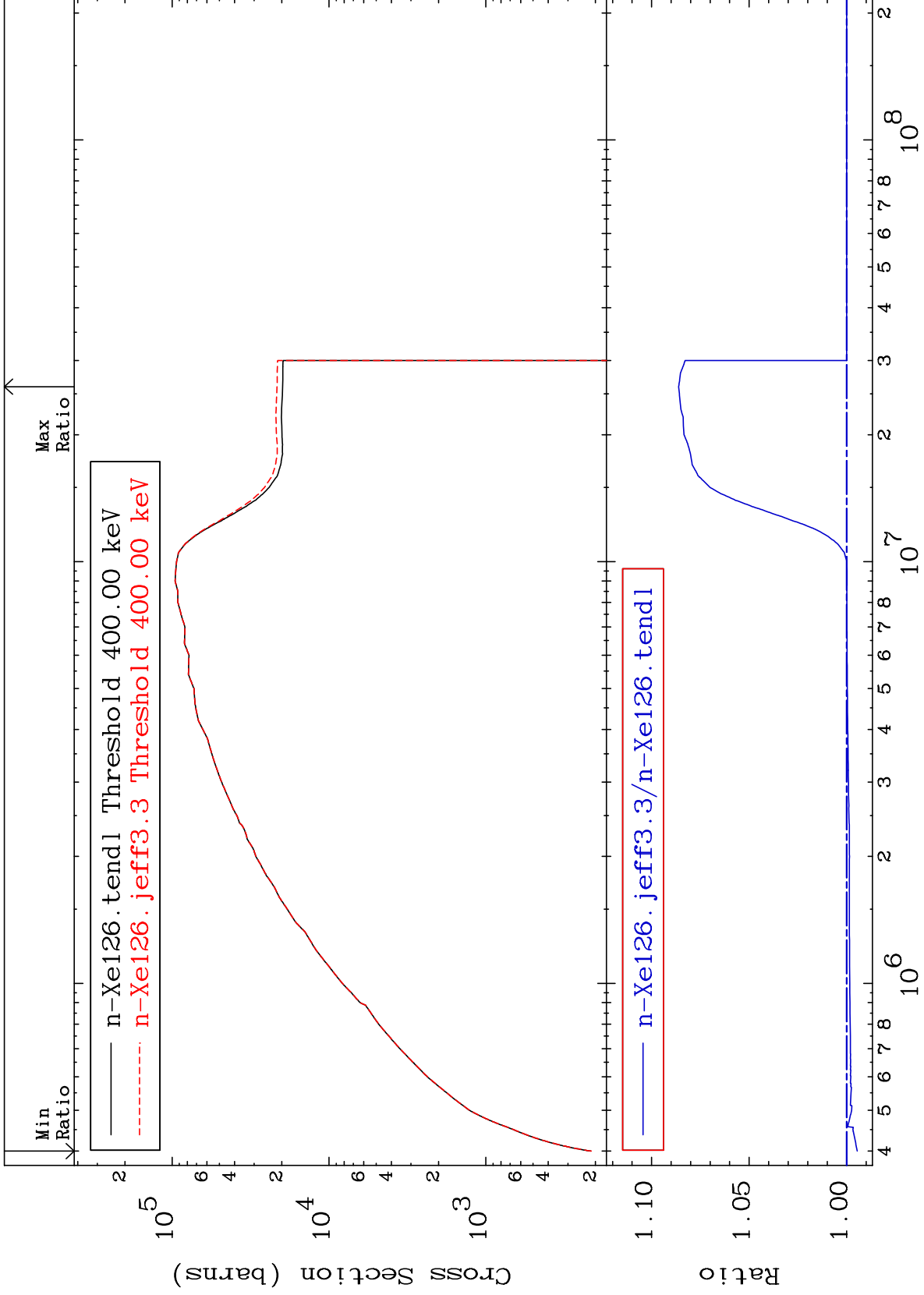
Incident Energy (eV)

54-Xe-126

MAT 5431

Dpa inelastic (mt51-91)
Cross Section

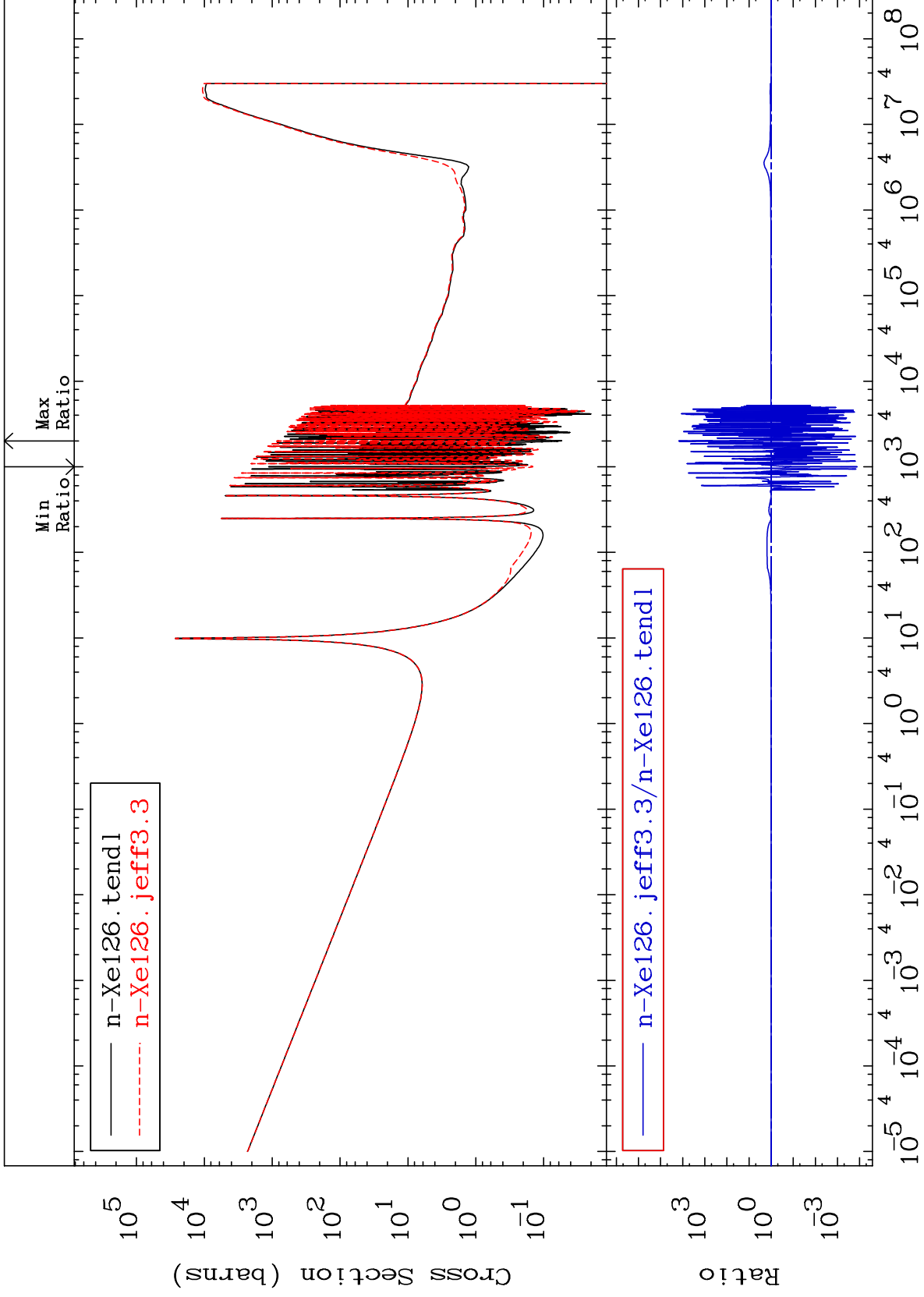
54-Xe-126
-0.540 To 8.614 %



78

Incident Energy (eV)

54-Xe-126

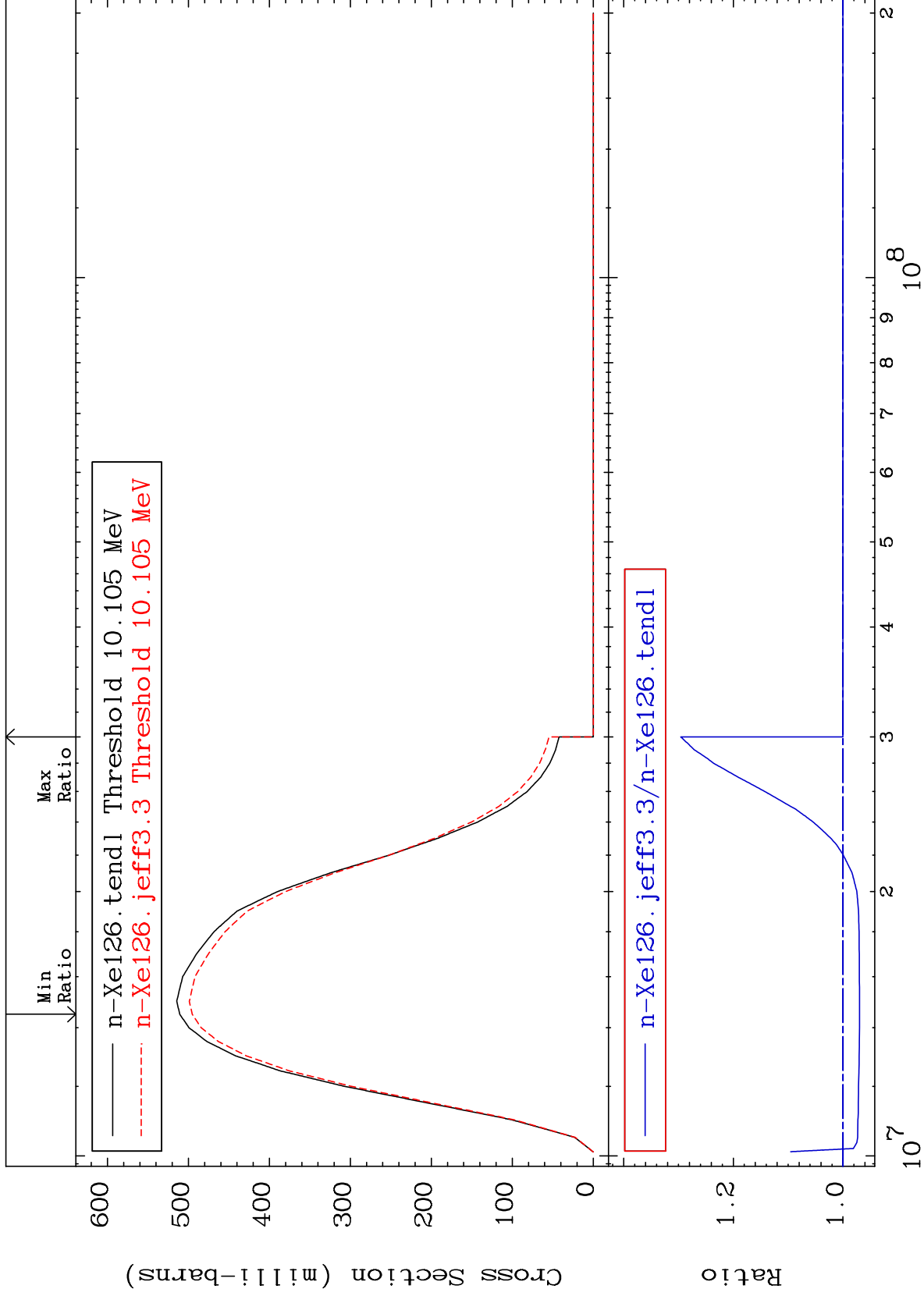


MAT 5431

(n,2n):54-Xe-125g

54-Xe-126

Radionuclide Production Cross Section -3.024 To 29.58 %



80

Incident Energy (eV)

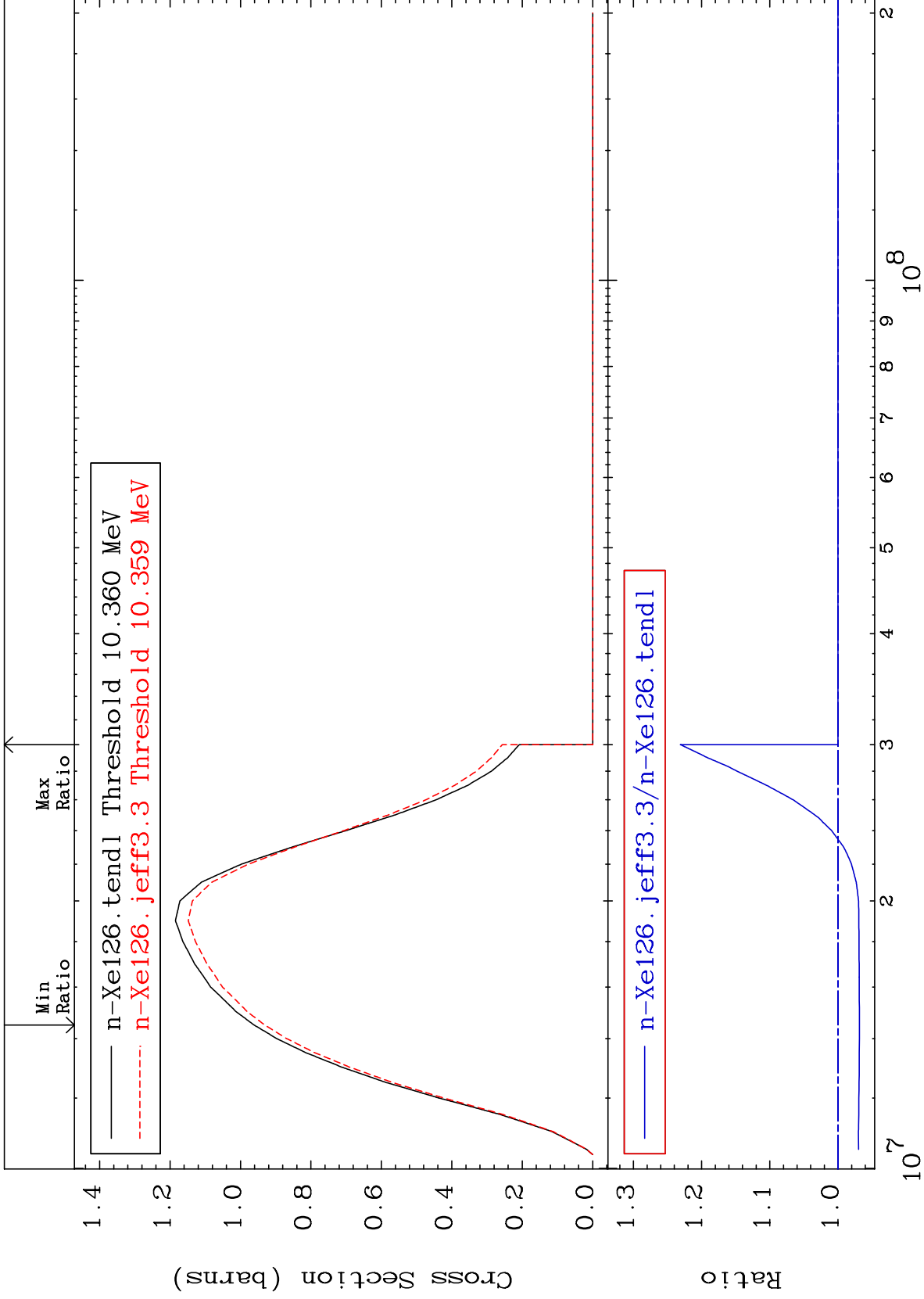
54-Xe-126

MAT 5431

(n,2n):54-Xe-125m2

54-Xe-126

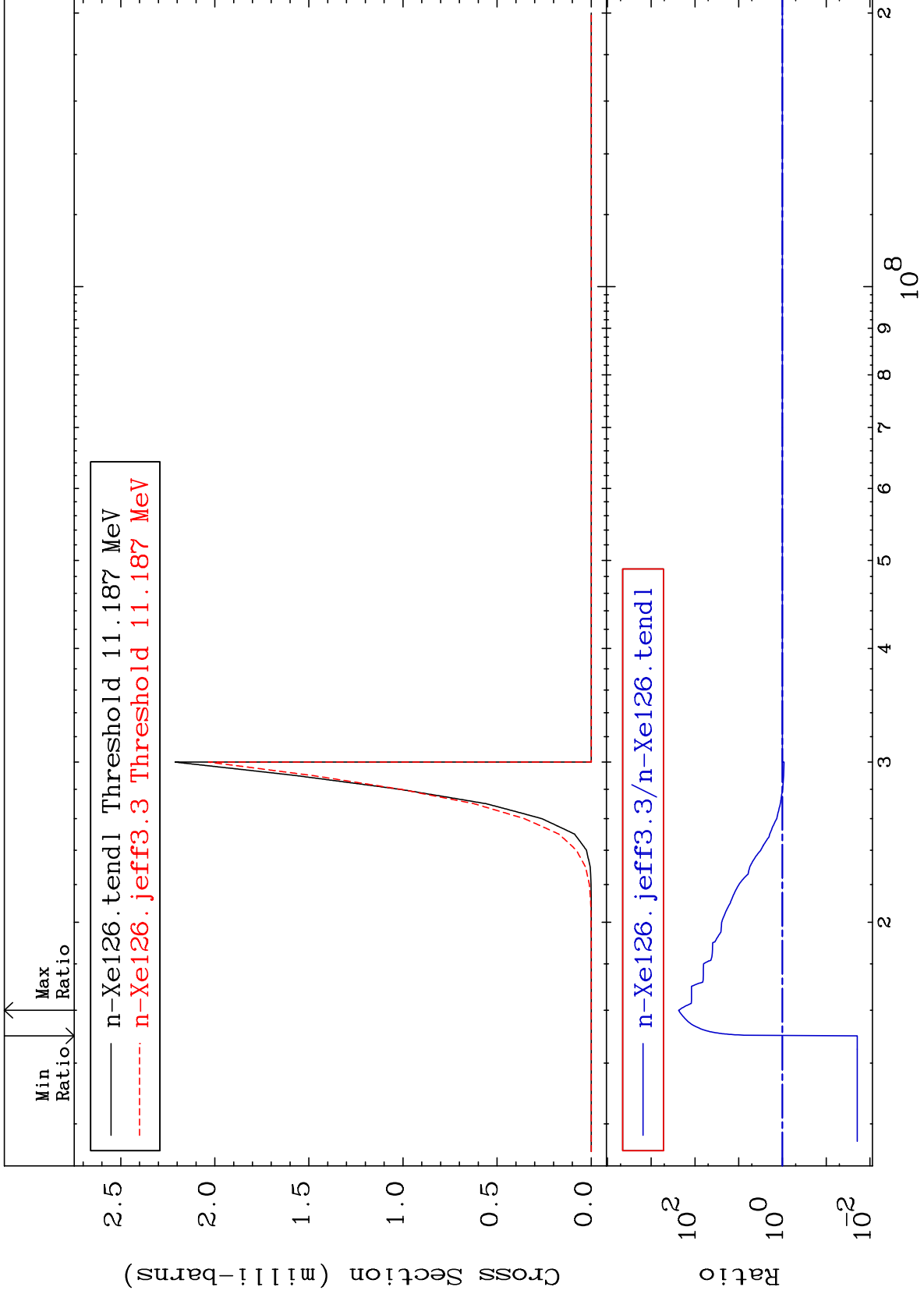
Radionuclide Production Cross Section -3.144 To 23.12 %



81

Incident Energy (eV)

54-Xe-126

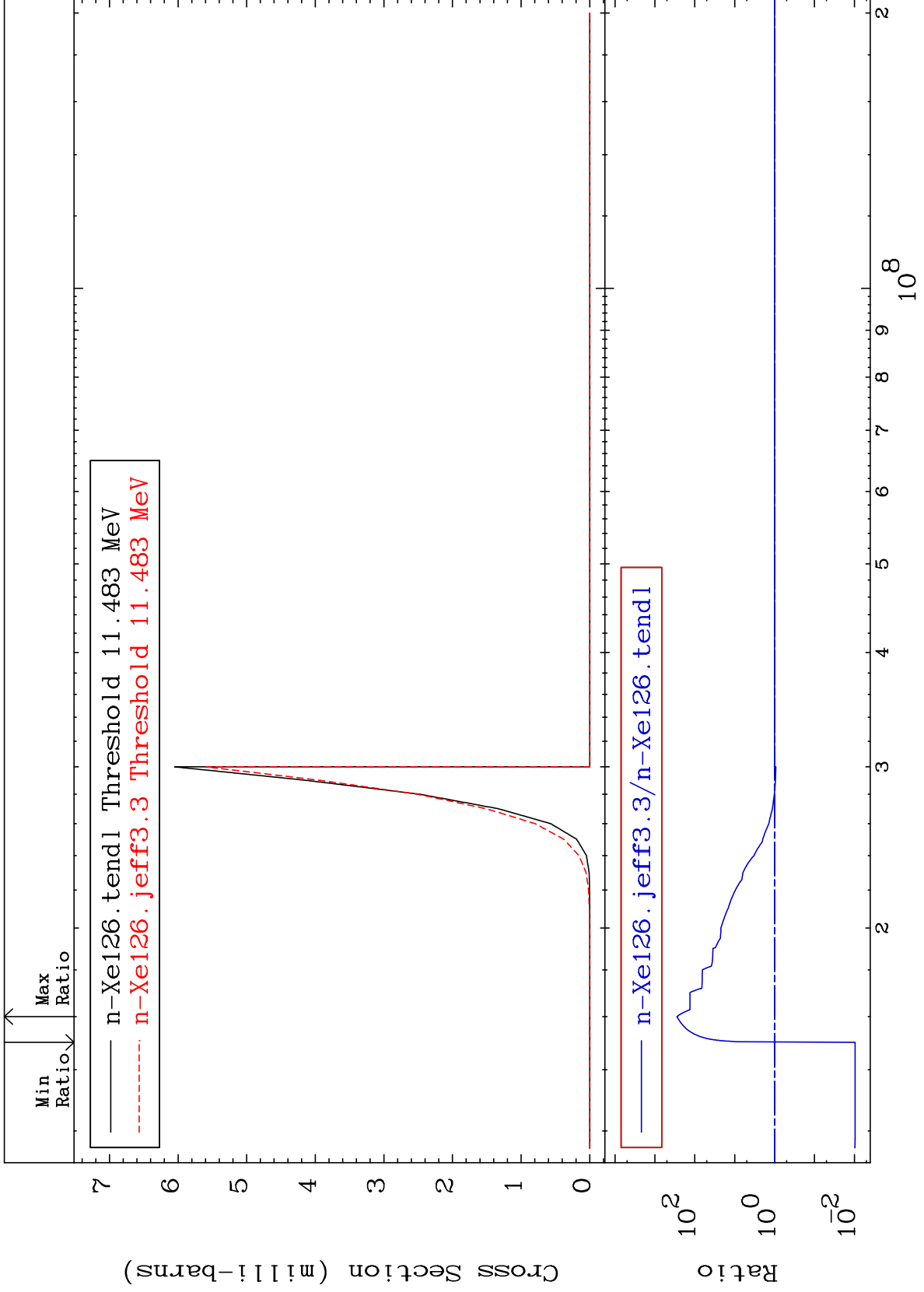


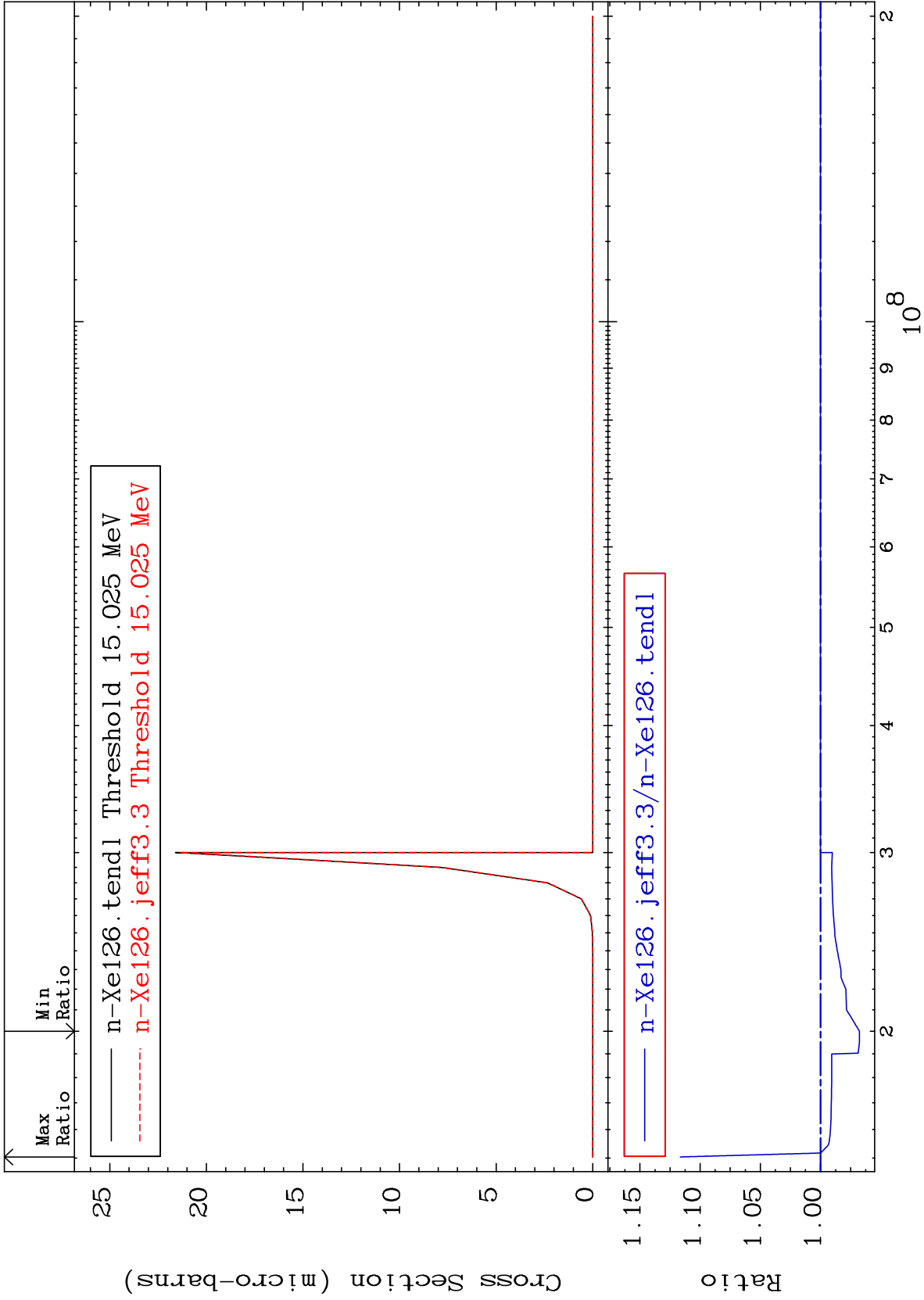
MAT 5431

(n,2n) α :52-Te-121m2

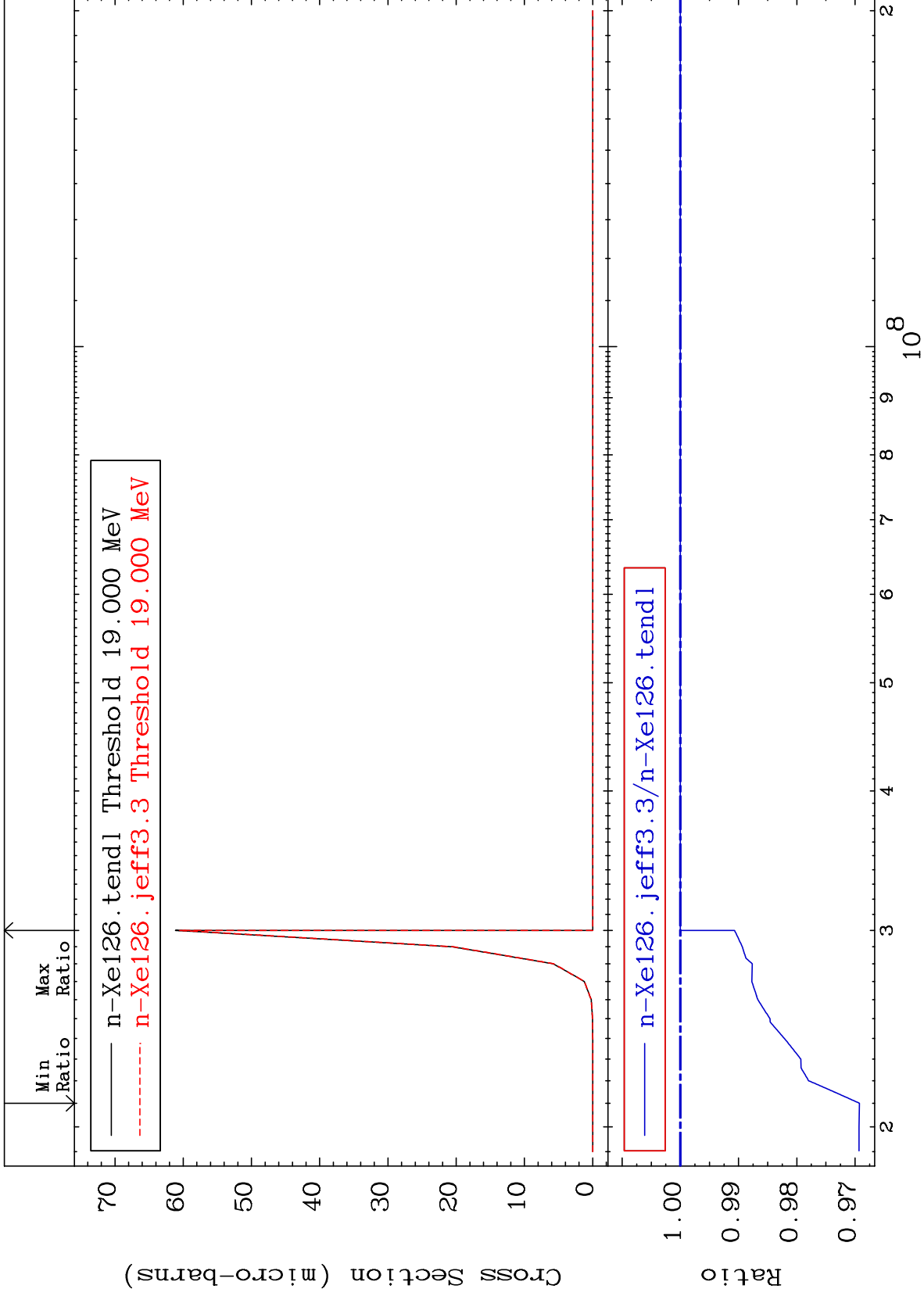
54-Xe-126

Radionuclide Production Cross Section -99.04 To 9999. %



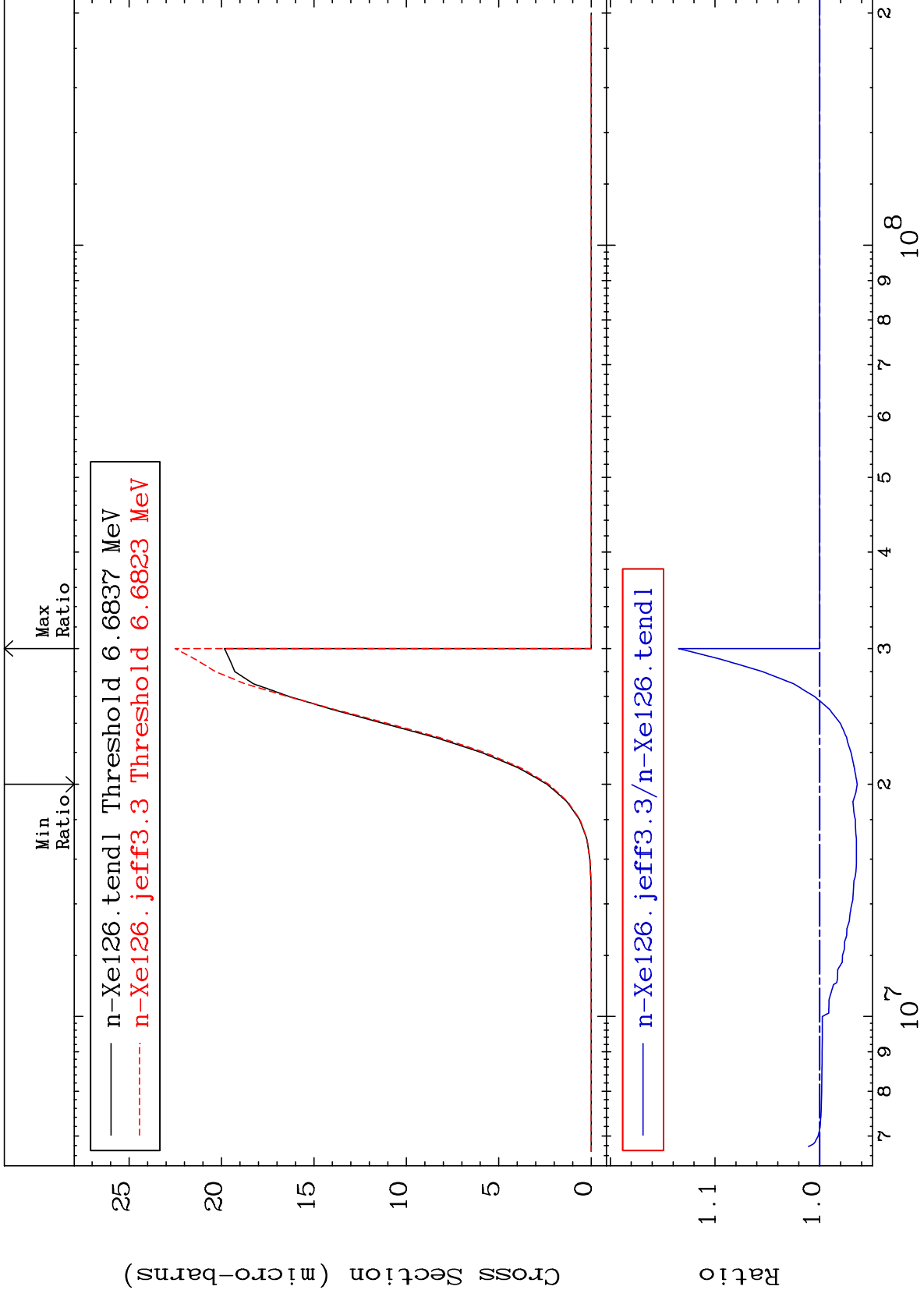


Radionuclide Production Cross Section -3.076 To 0.000 %



MAT 5431

(n, 2p) : 52-Te-125g 54-Xe-126
Radionuclide Production Cross Section -3.593 To 13.47 %

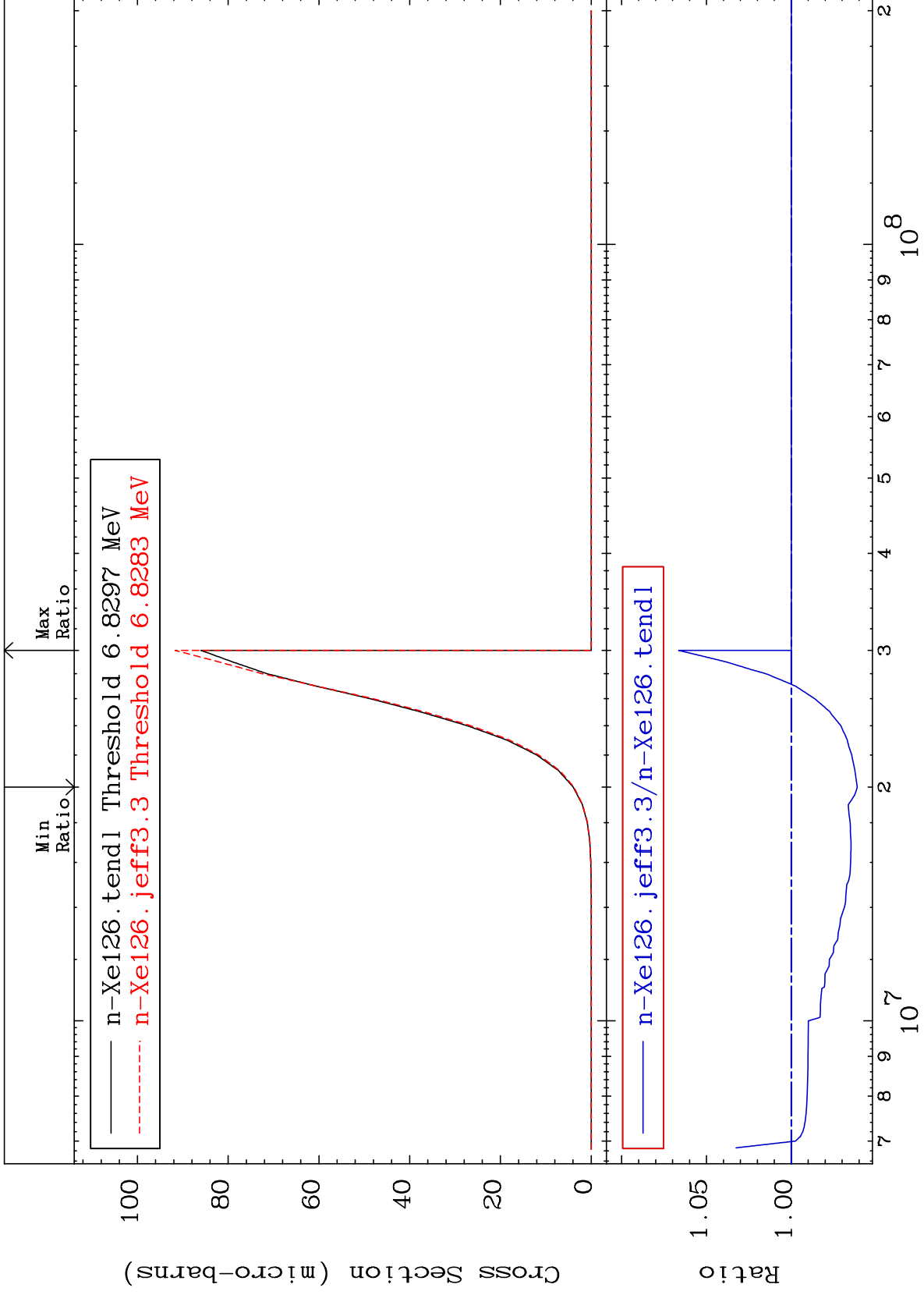


MAT 5431

(n,2p):52-Te-125m2

54-Xe-126

Radionuclide Production Cross Section -3.889 To 6.643 %



87

Incident Energy (eV)

54-Xe-126

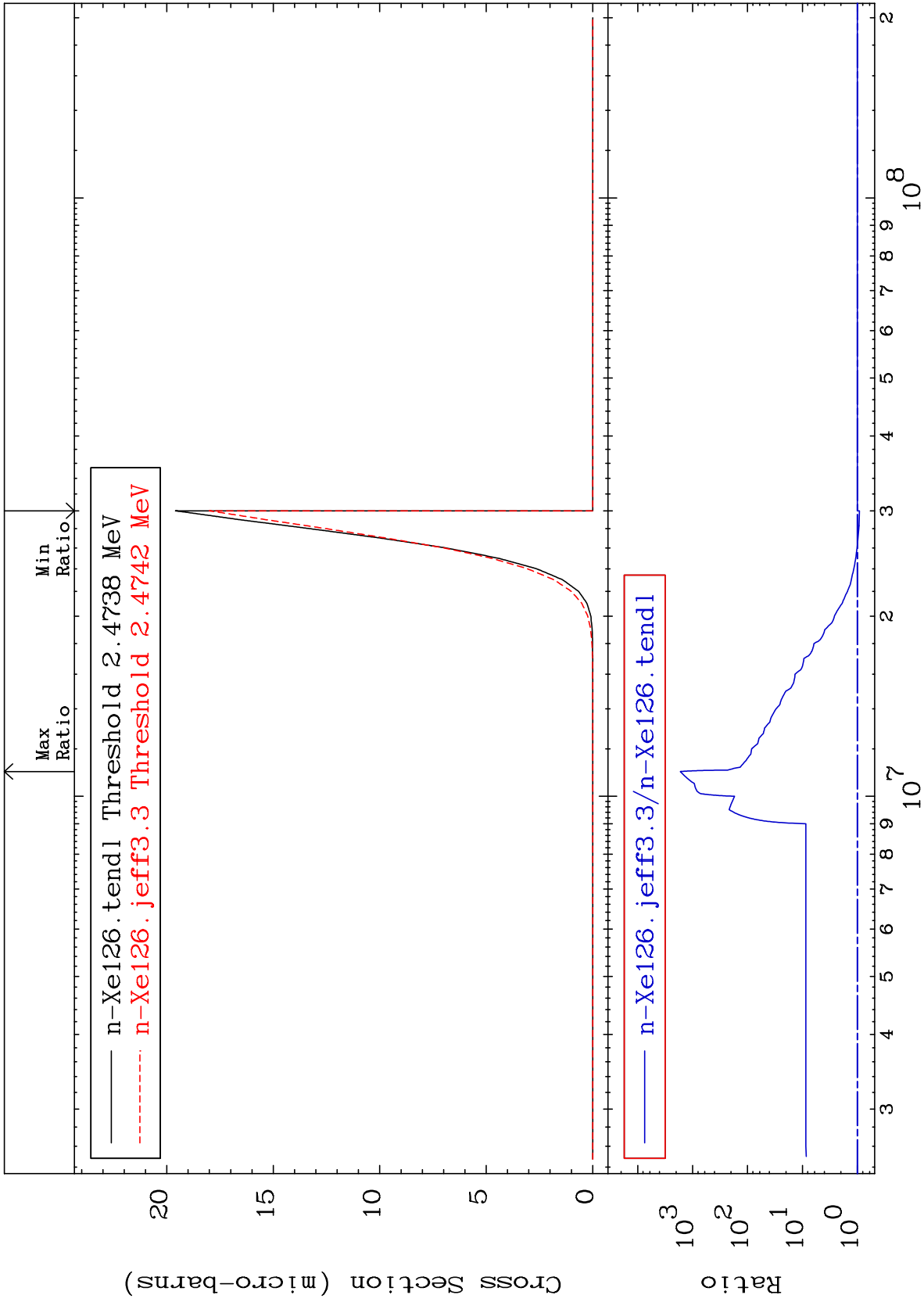
MAT 5431

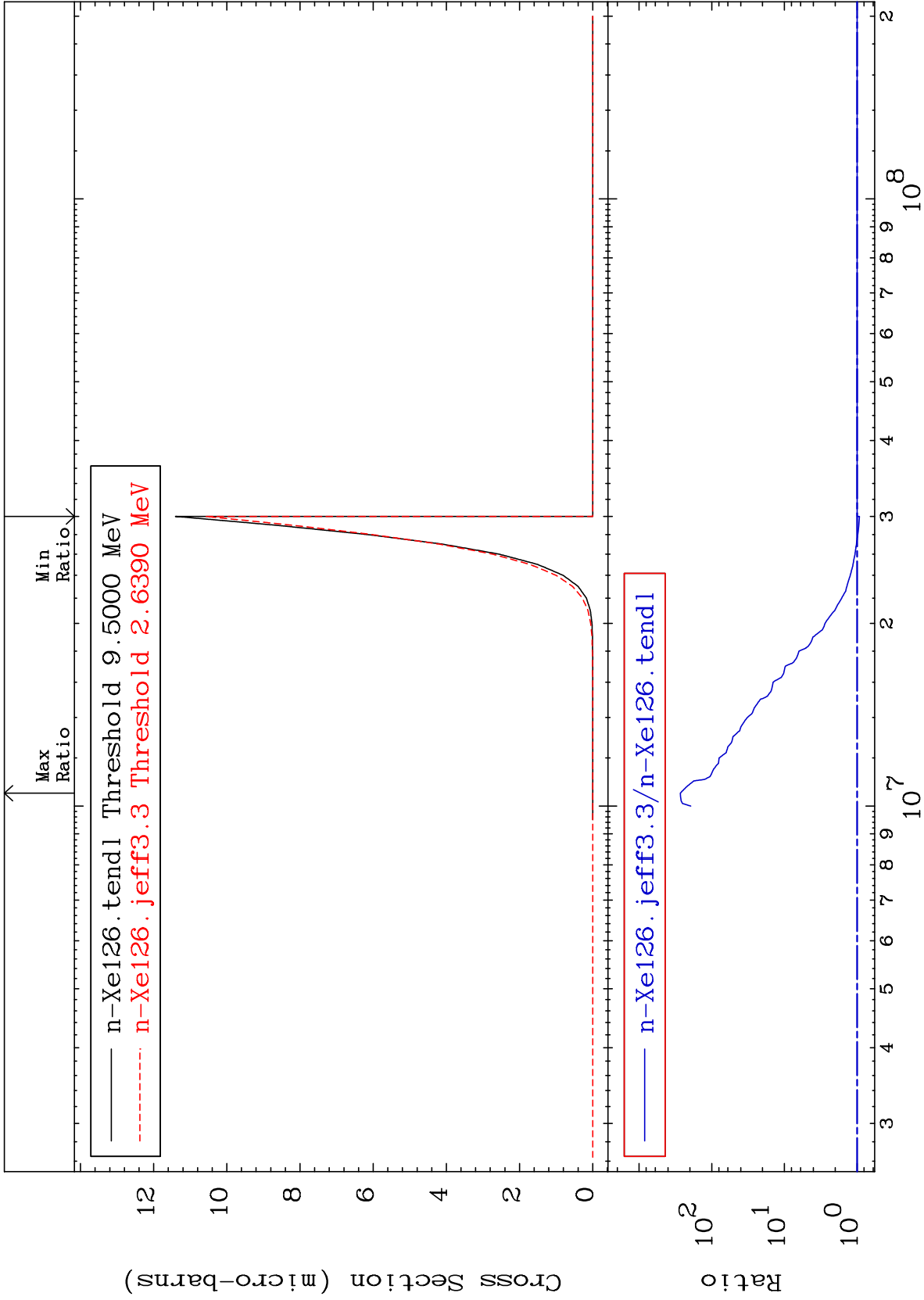
(n, p) α :51-Sb-122g

54-Xe-126

Radionuclide Production Cross Section

-8.096 To 9999. %





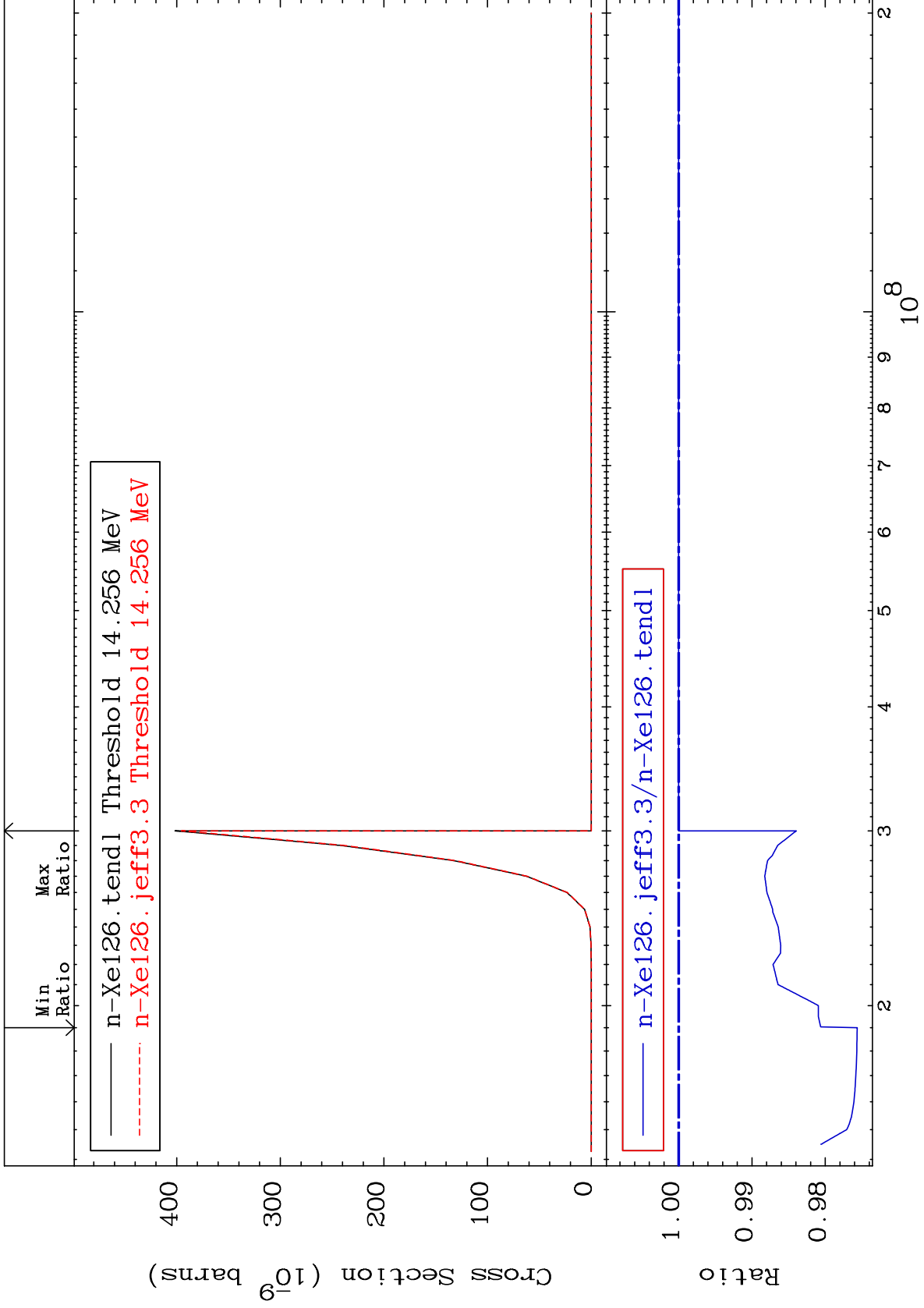
MAT 5431

(n, p) t:52-Te-123g

54-Xe-126

Radionuclide Production Cross Section

-2.436 To 0.000 %



90

Incident Energy (eV)

54-Xe-126

MAT 5431

(n,p) t:52-Te-123m2

54-Xe-126

Radionuclide Production Cross Section -2.684 To 0.000 %

