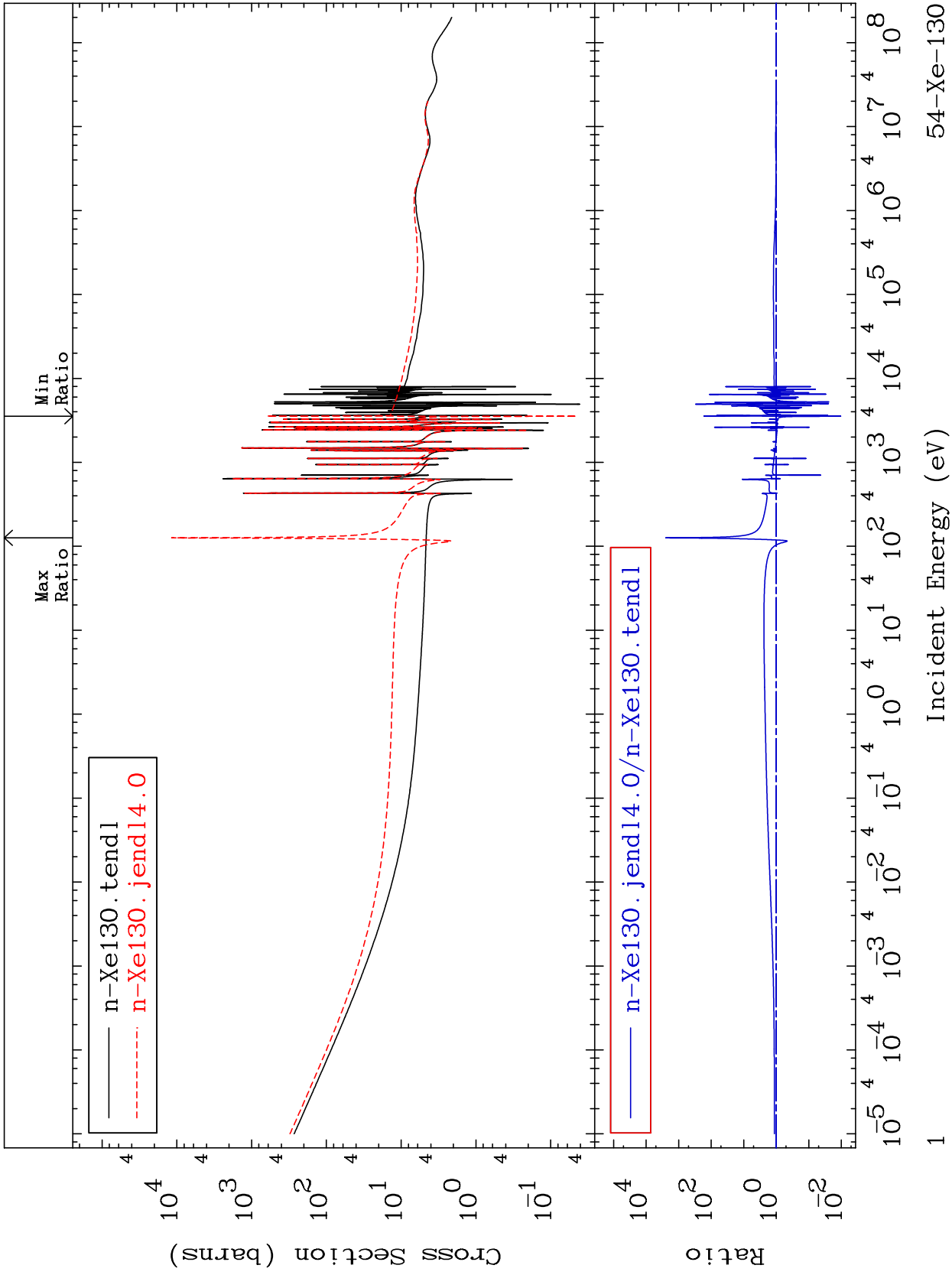


MAT 5443

Total  
Cross Section

54-Xe-130  
-98.95 To 9999. %



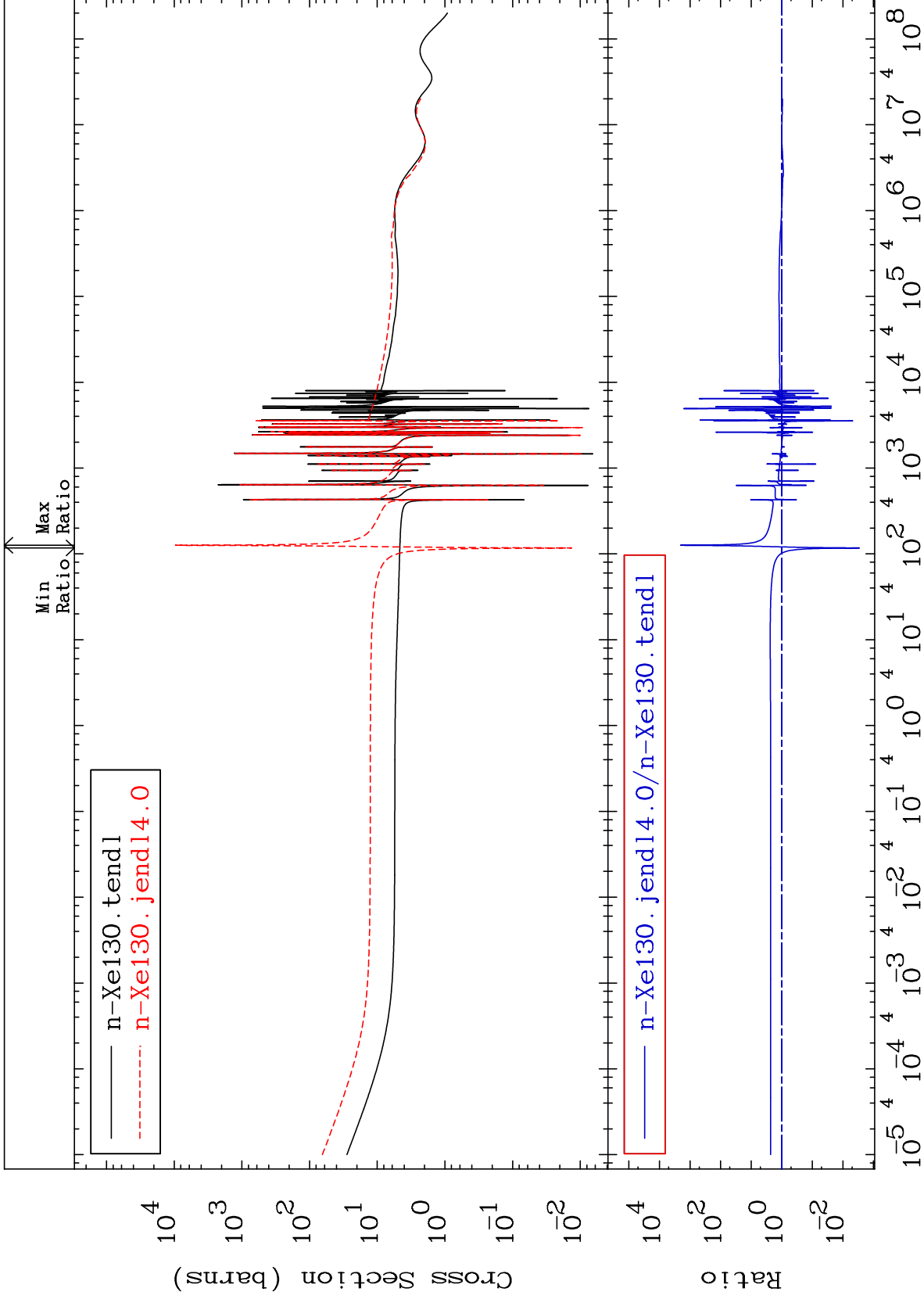
Incident Energy (eV)

54-Xe-130

MAT 5443

Elastic  
Cross Section

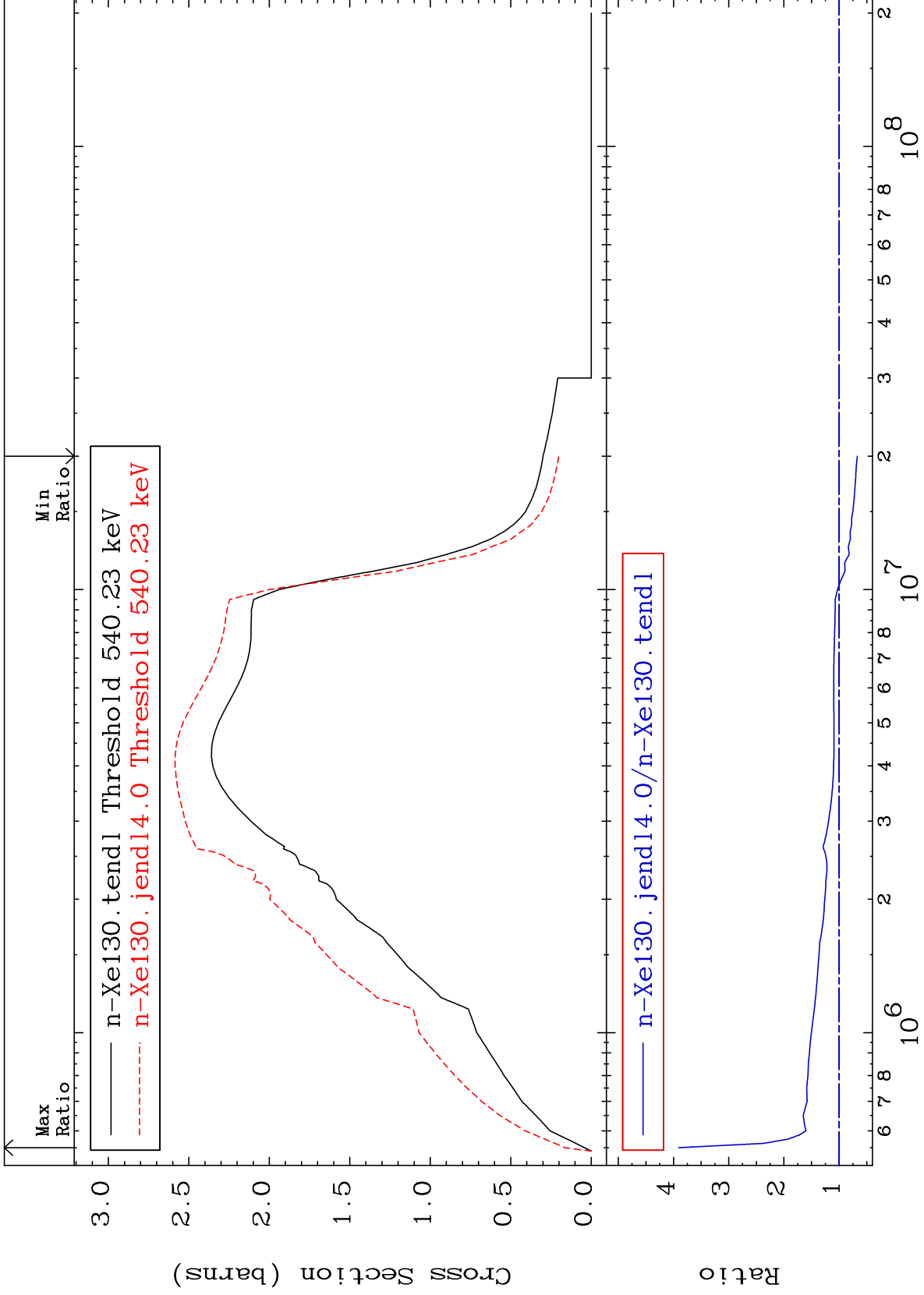
54-Xe-130  
-99.71 To 9999. %



MAT 5443

Inelastic  
Cross Section

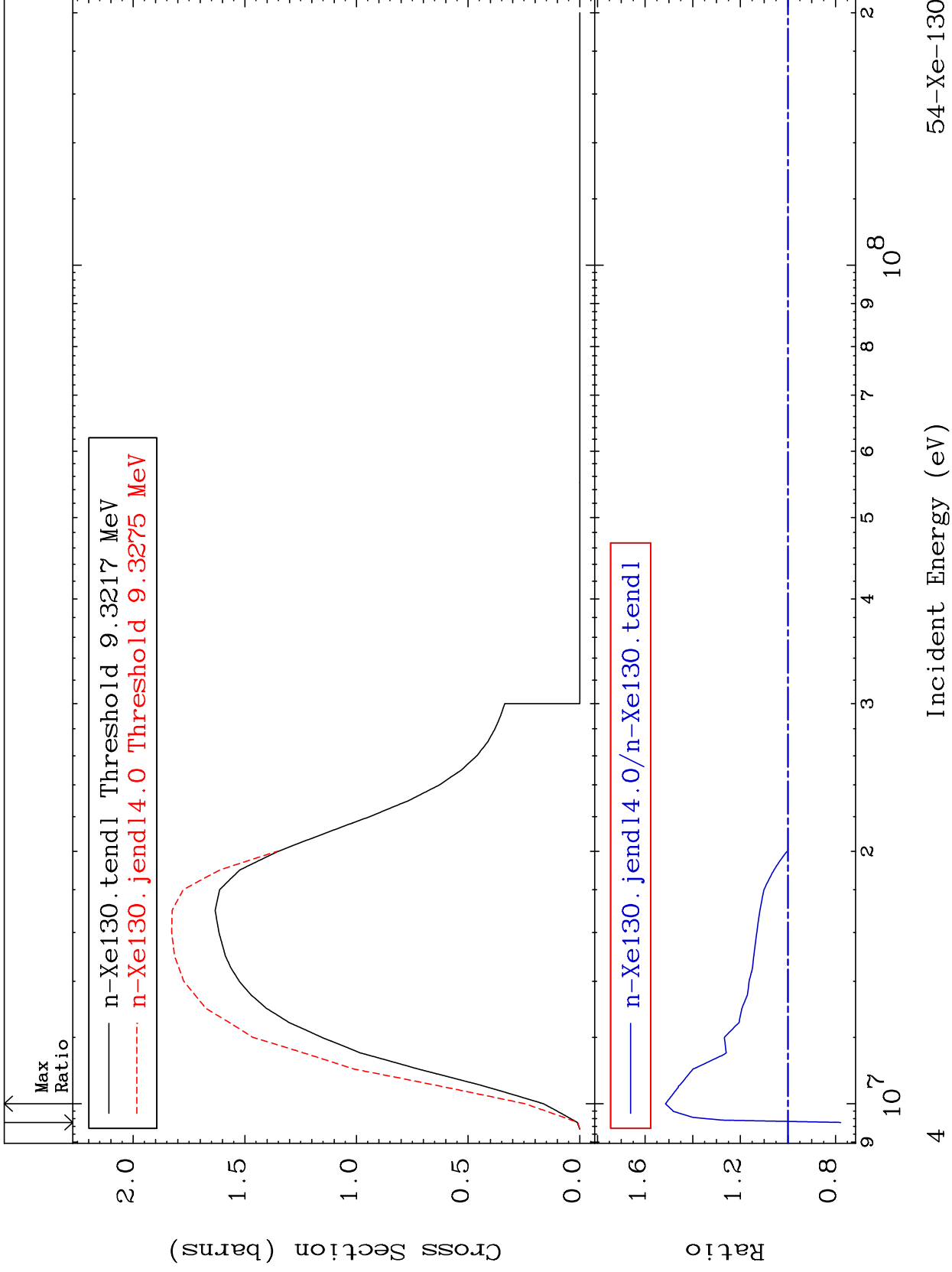
54-Xe-130  
-32.79 To 290.7 %



MAT 5443

(n,2n)  
Cross Section

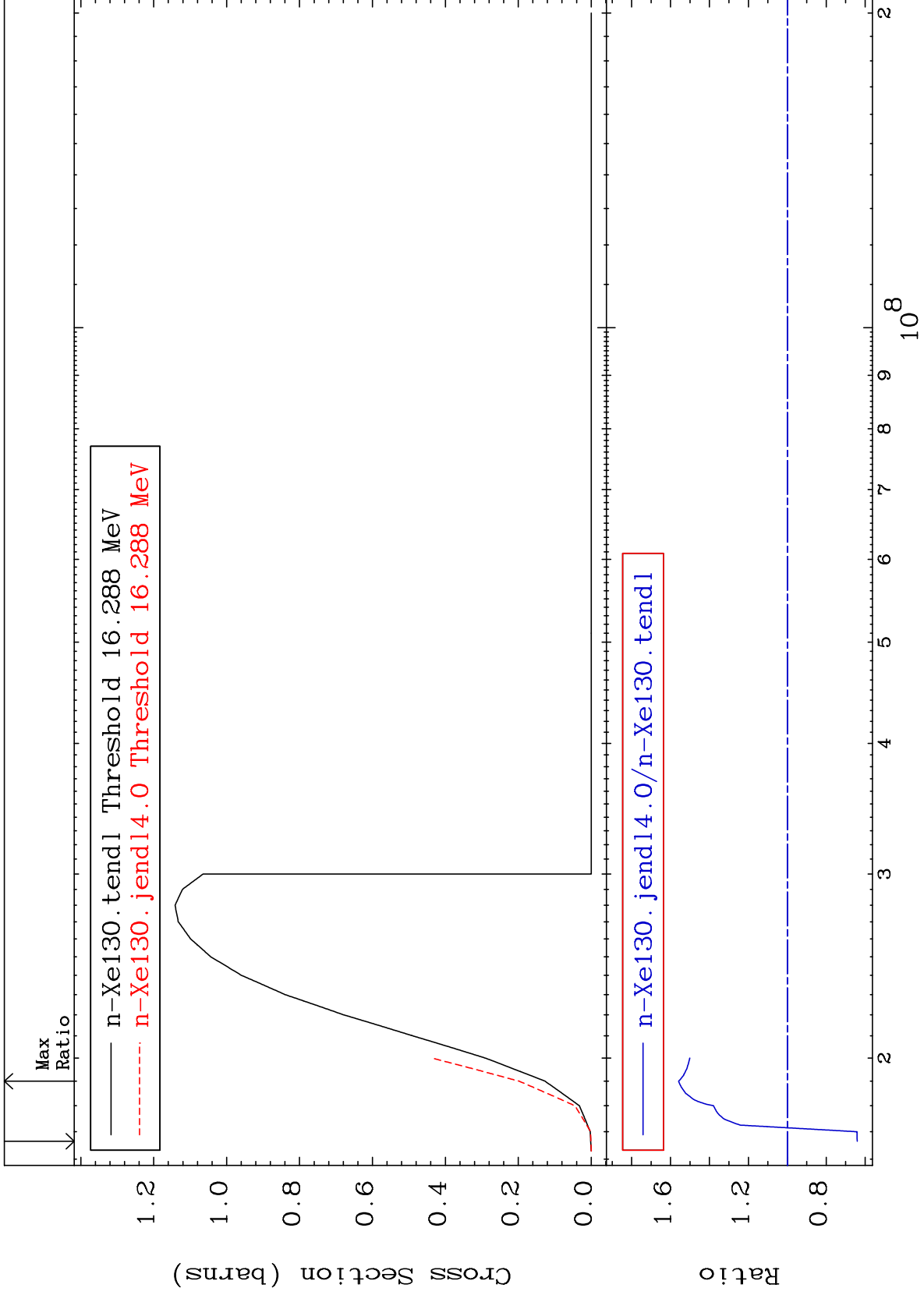
54-Xe-130  
-22.14 To 51.42 %



MAT 5443

(n,3n)  
Cross Section

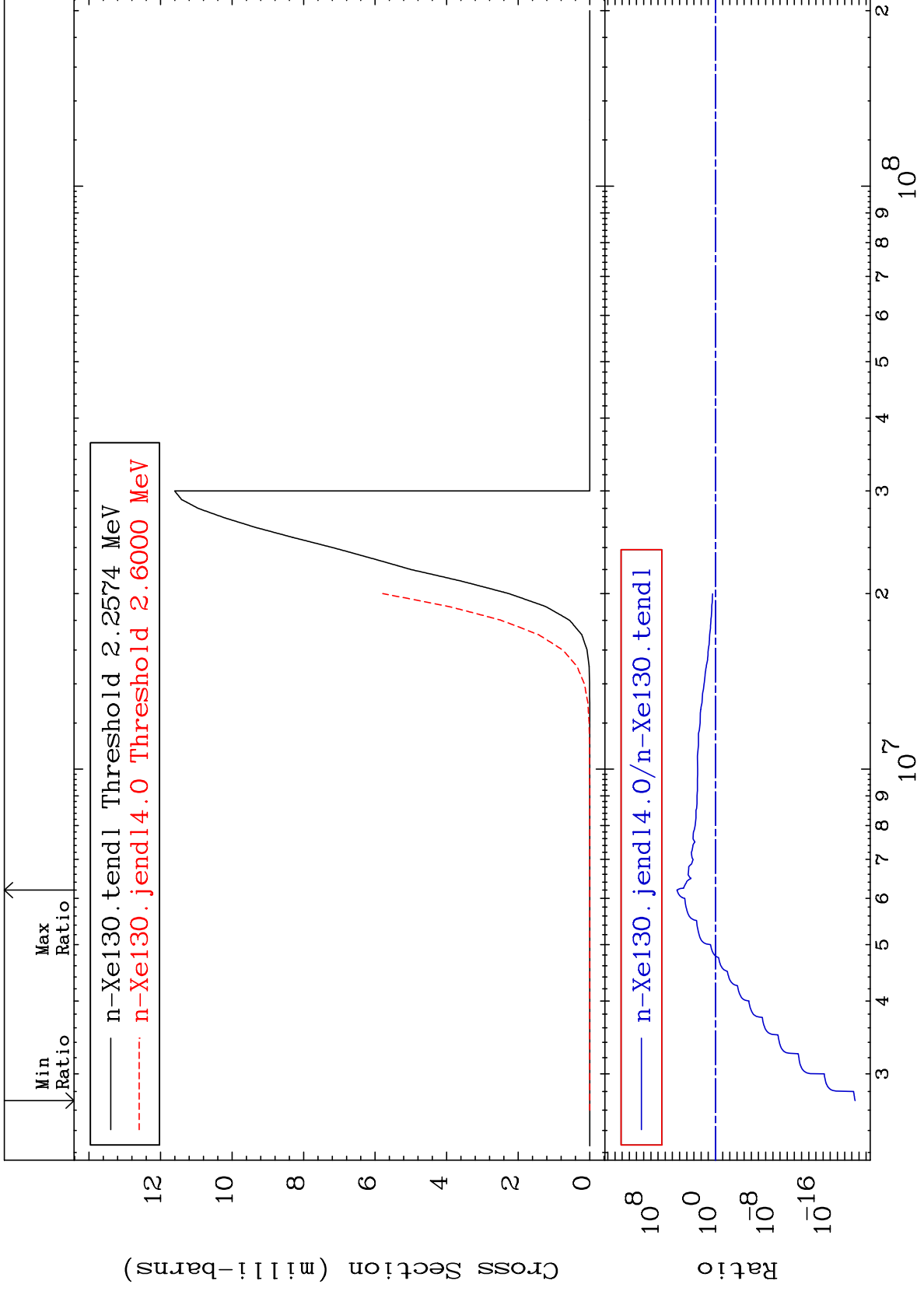
54-Xe-130  
-35.95 To 55.84 %



MAT 5443

(n,n')  $\alpha$   
Cross Section

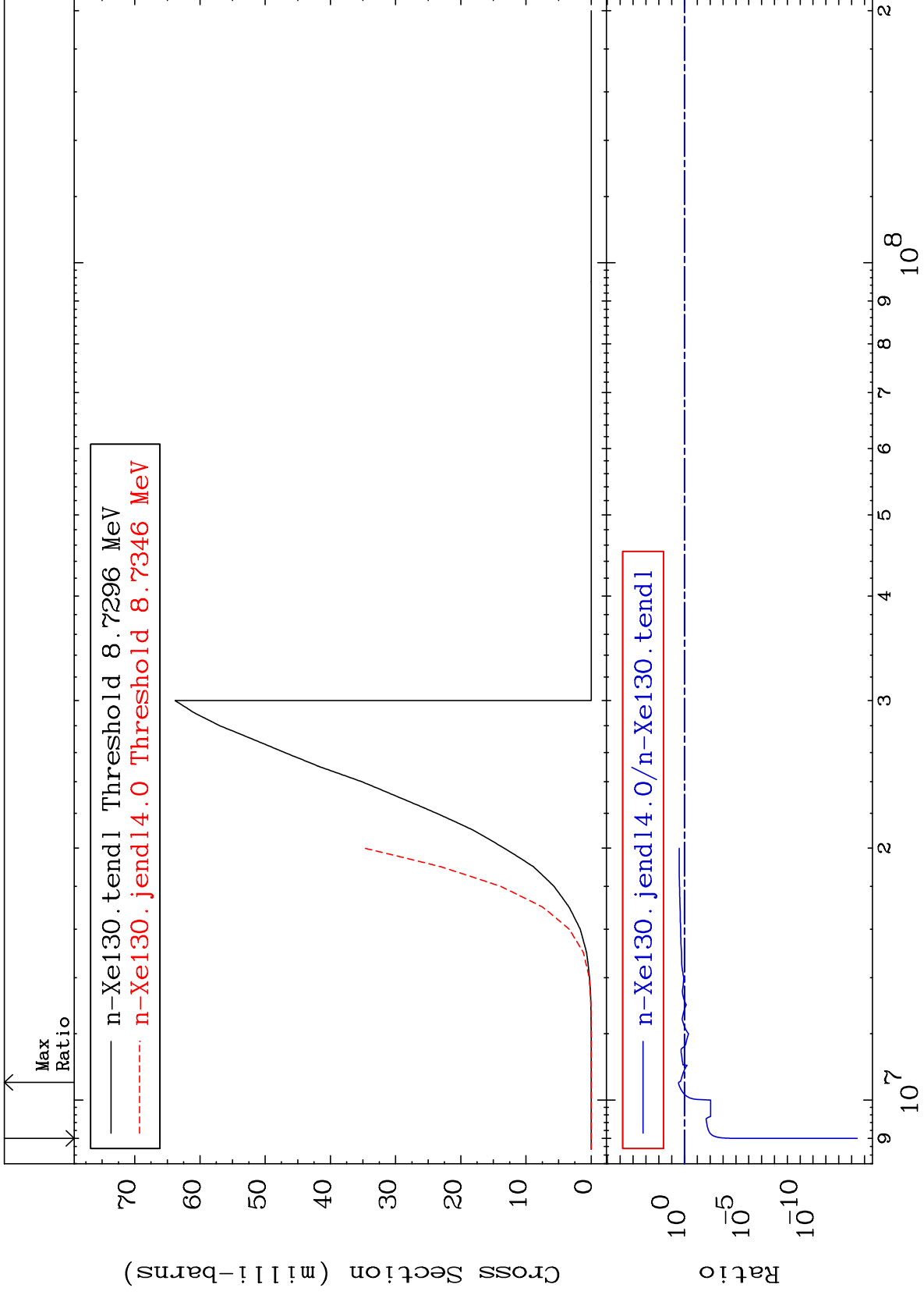
54-Xe-130  
-100.0 To 9999. %



MAT 5443

(n,n') p  
Cross Section

54-Xe-130  
-100.0 To 185.1 %



7

Incident Energy (eV)

54-Xe-130

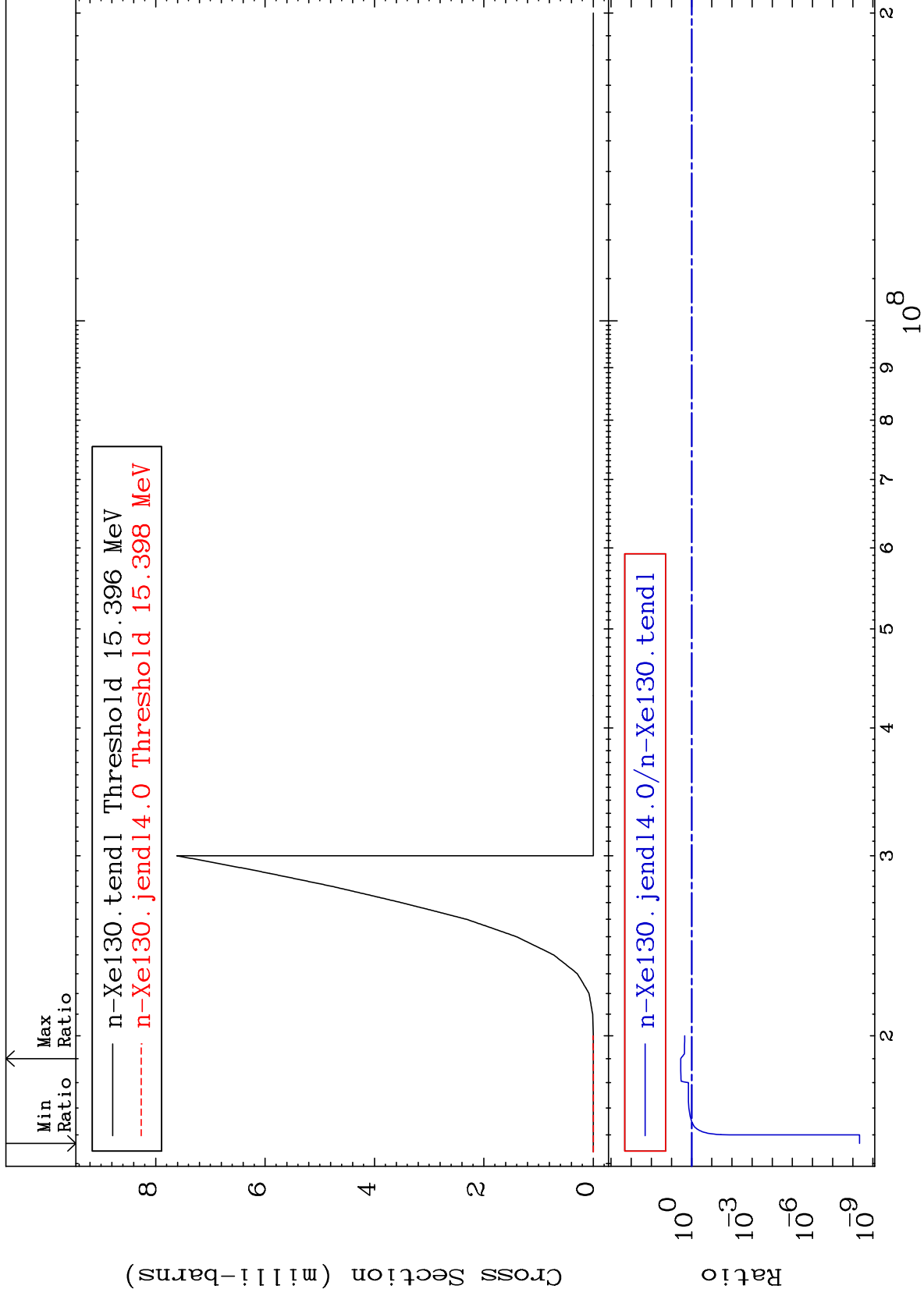
MAT 5443

(n,n') d

54-Xe-130

Cross Section

-100.0 To 247.2 %

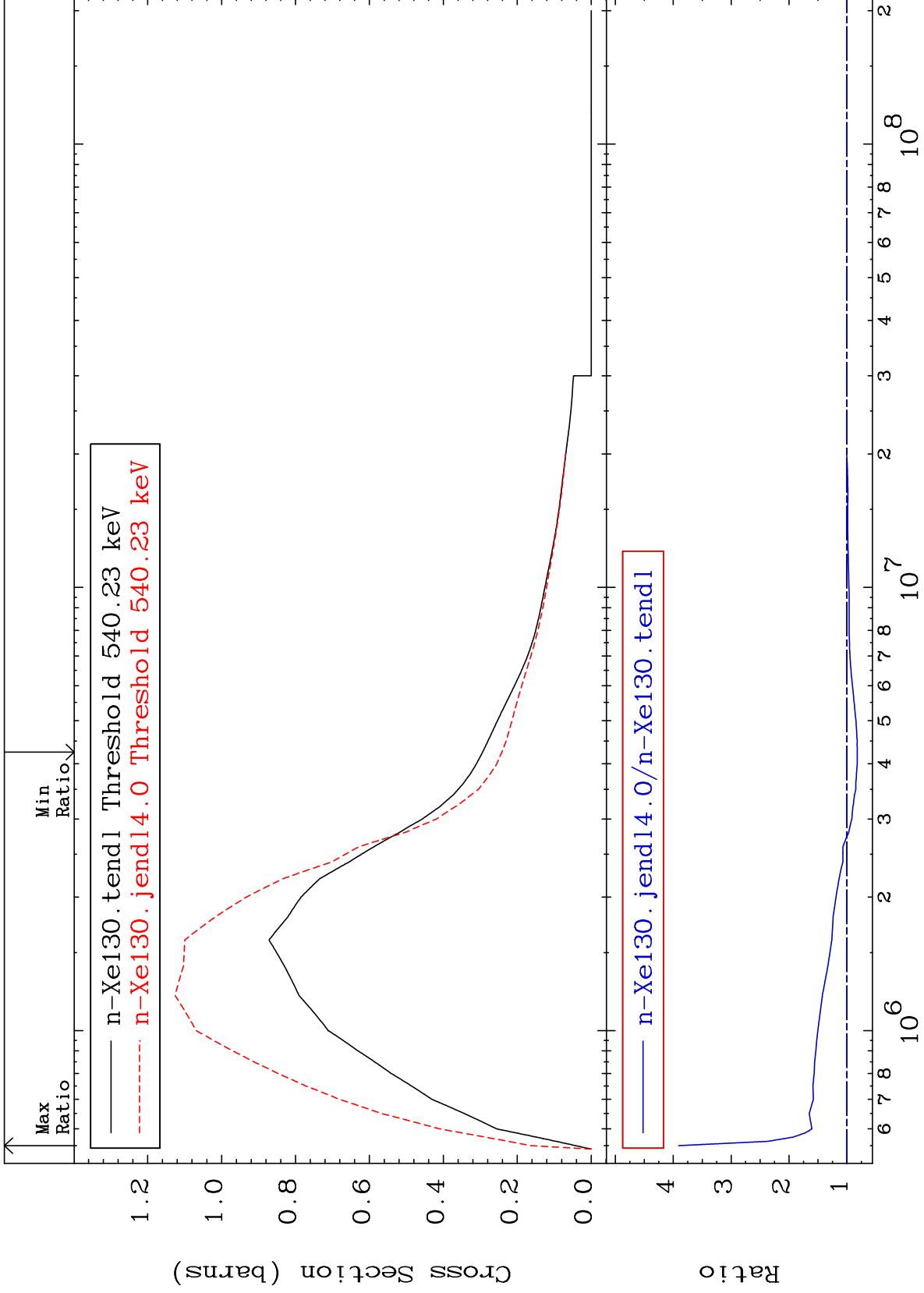




MAT 5443

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

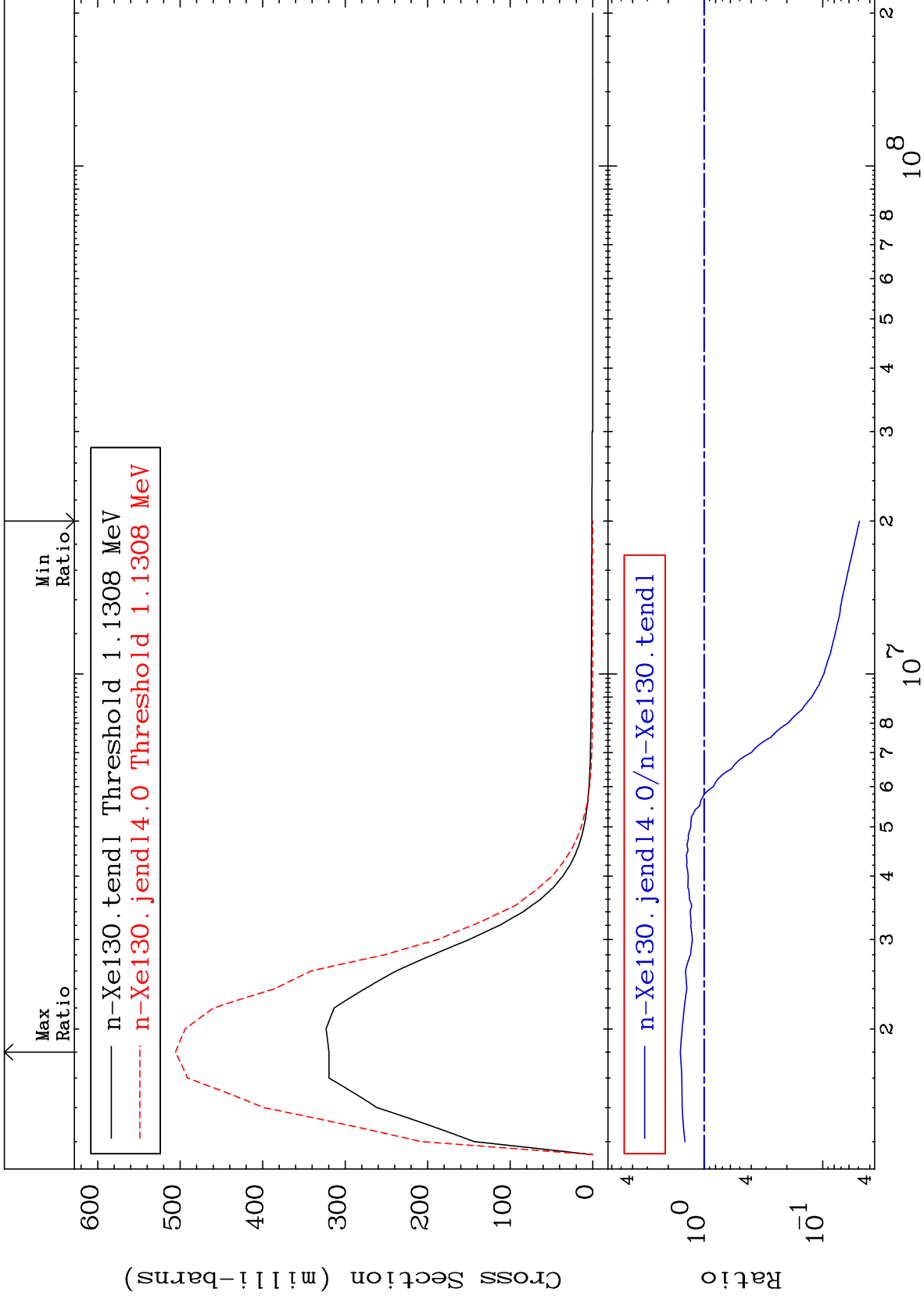
54-Xe-130  
-17.81 To 290.7 %



MAT 5443

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

54-Xe-130  
-95.10 To 58.20 %



10

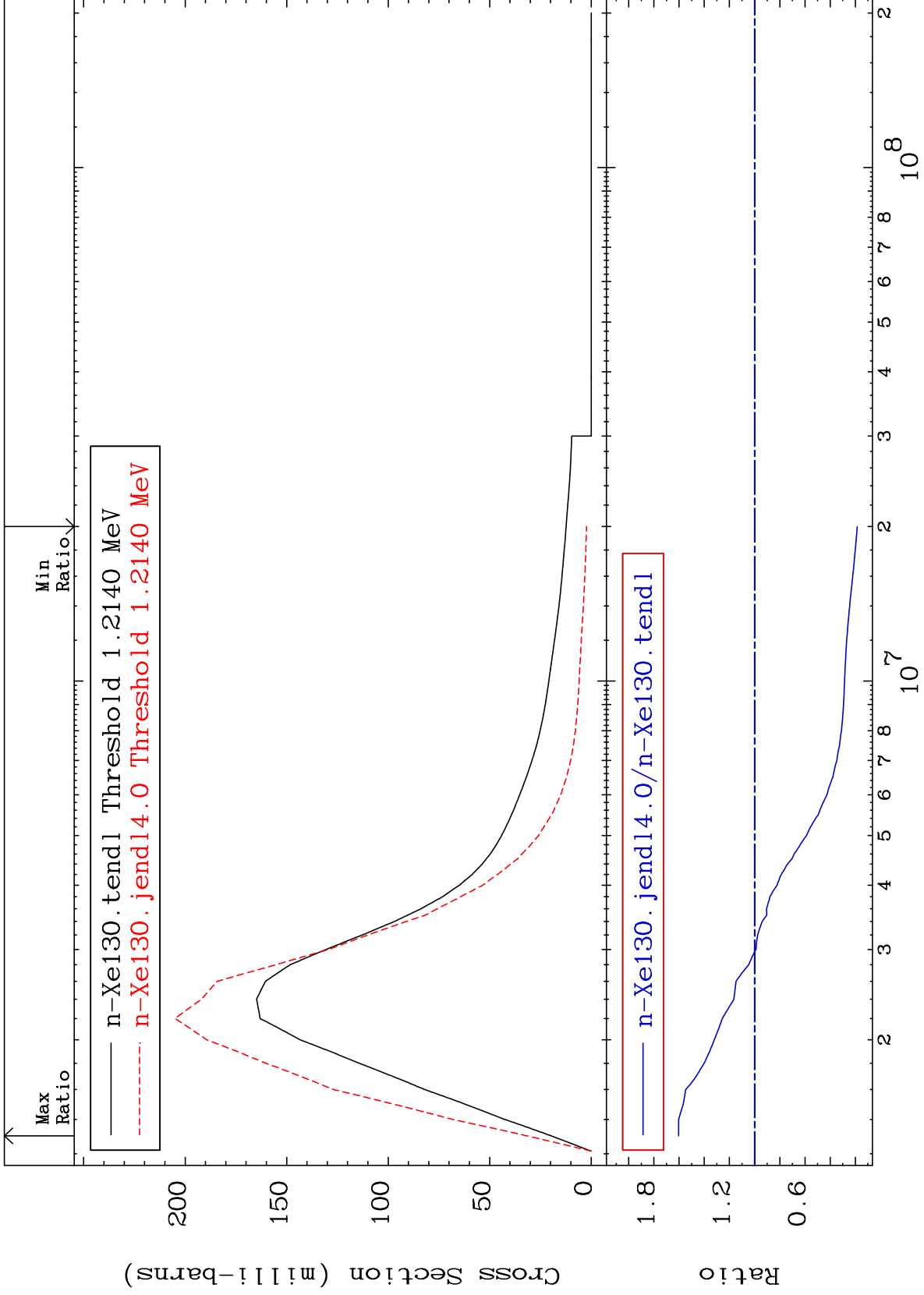
Incident Energy (eV)

54-Xe-130

MAT 5443

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

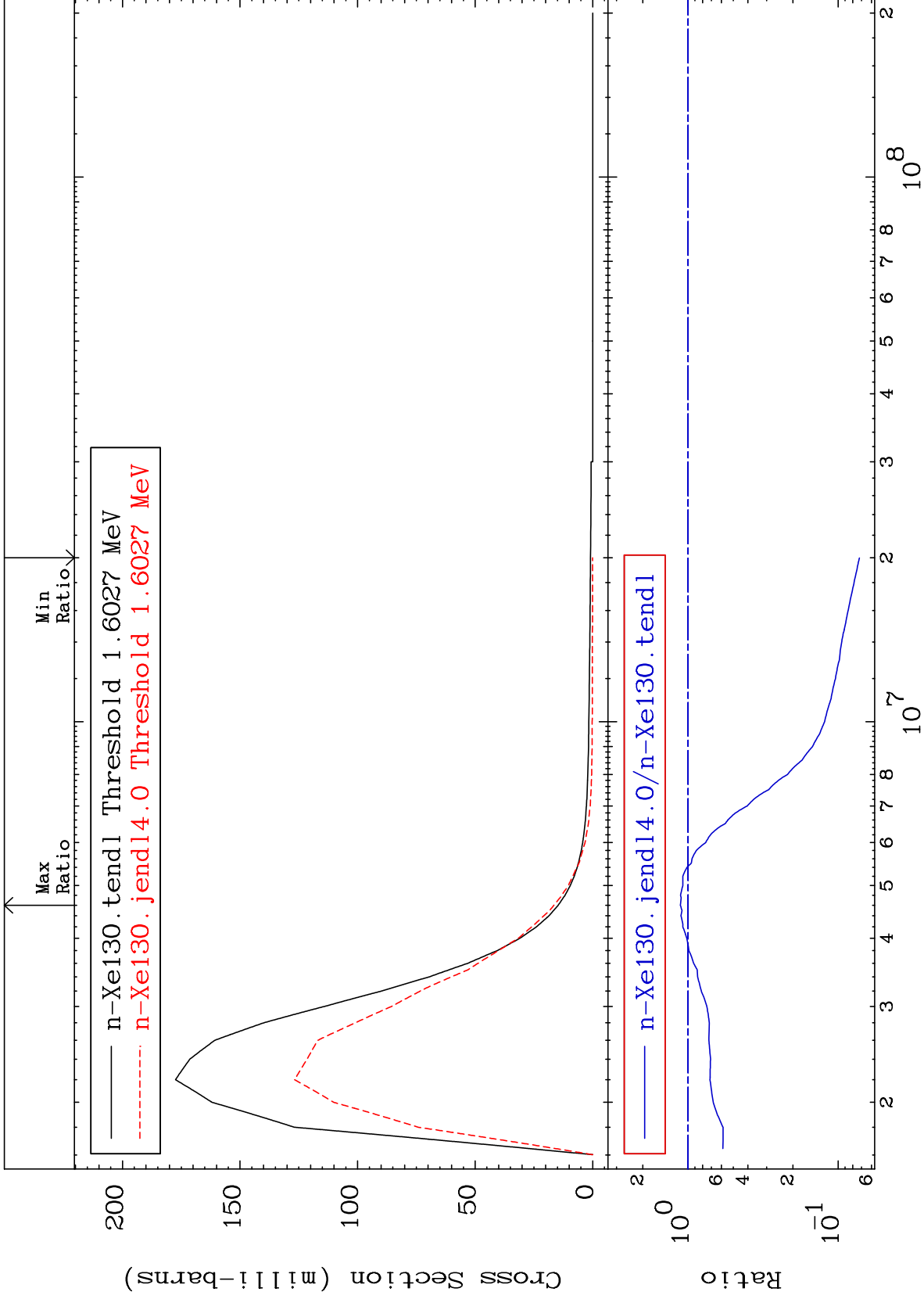
54-Xe-130  
-81.55 To 60.36 %



MAT 5443

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

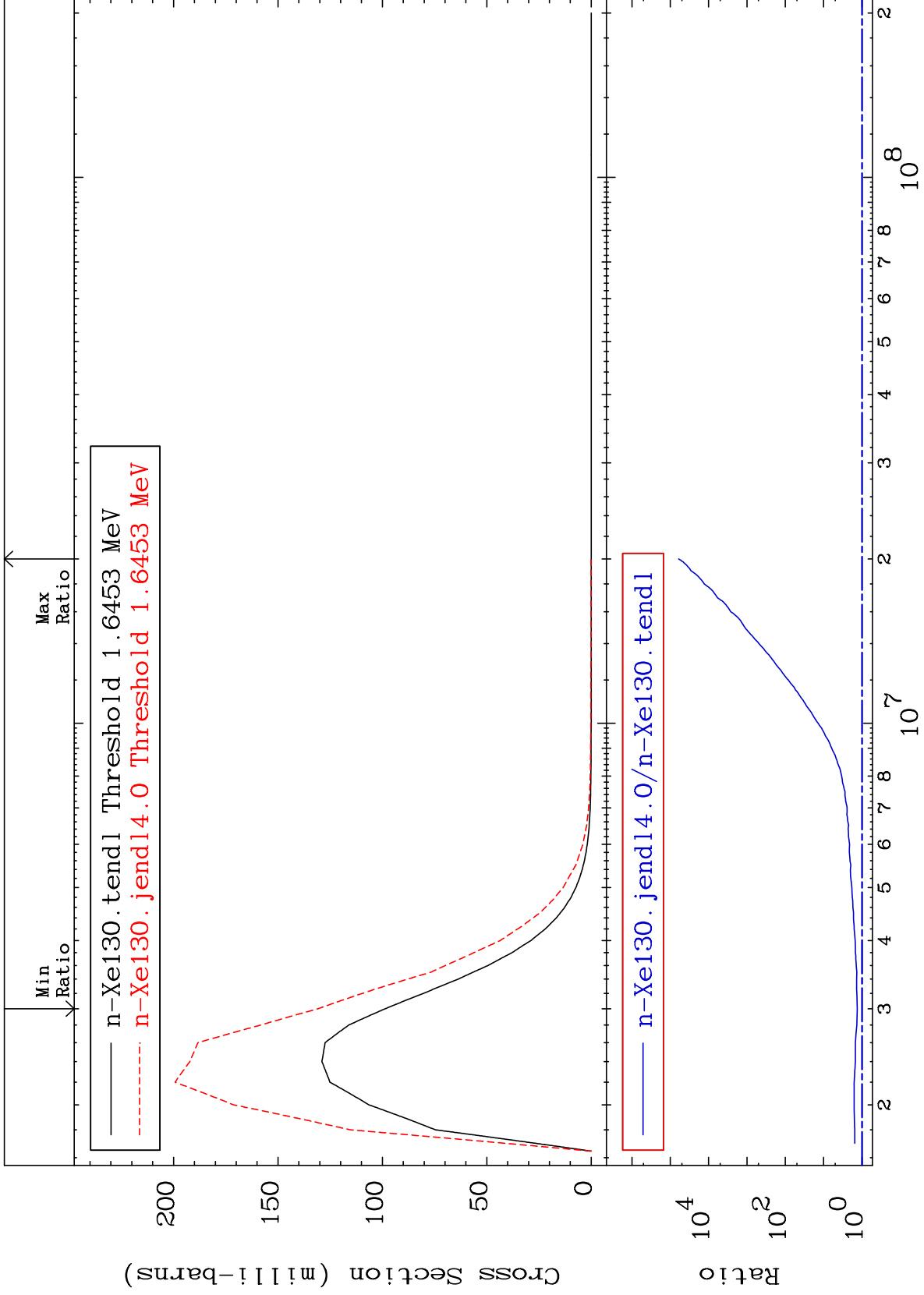
54-Xe-130  
-92.78 To 12.54 %



MAT 5443

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

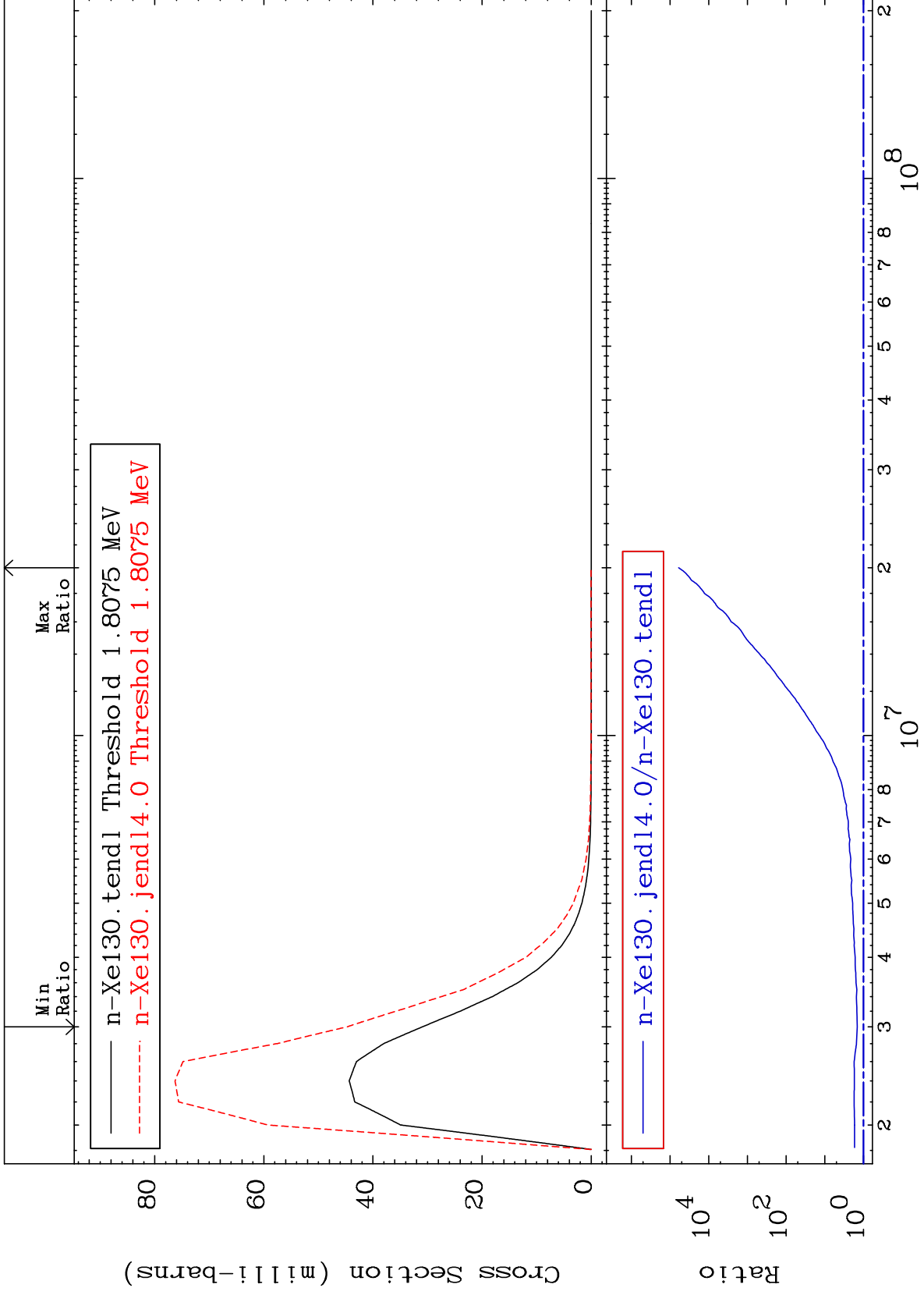
54-Xe-130  
32.62 To 9999. %



MAT 5443

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

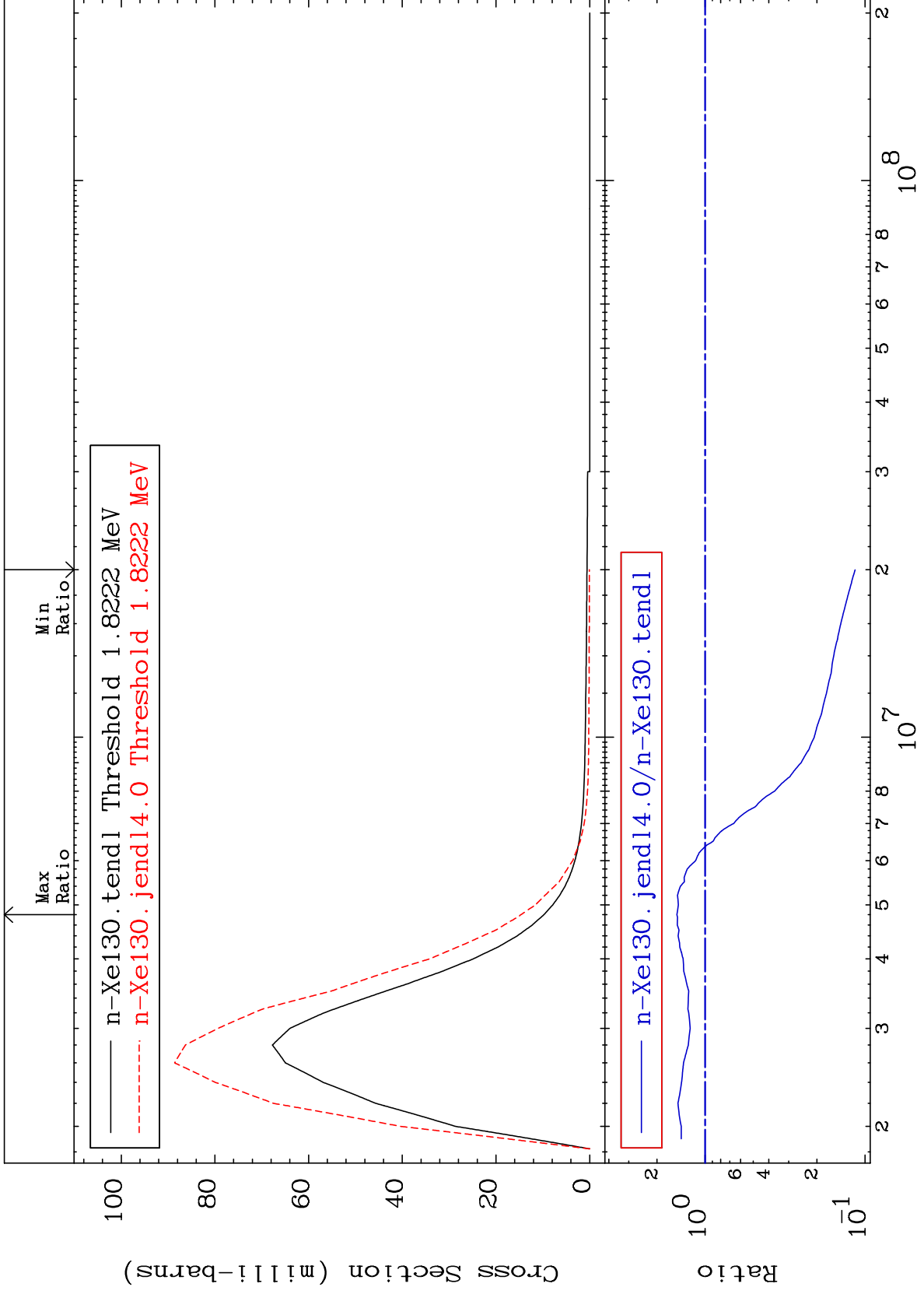
54-Xe-130  
44.67 To 9999. %



MAT 5443

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

54-Xe-130  
-88.46 To 50.03 %



15

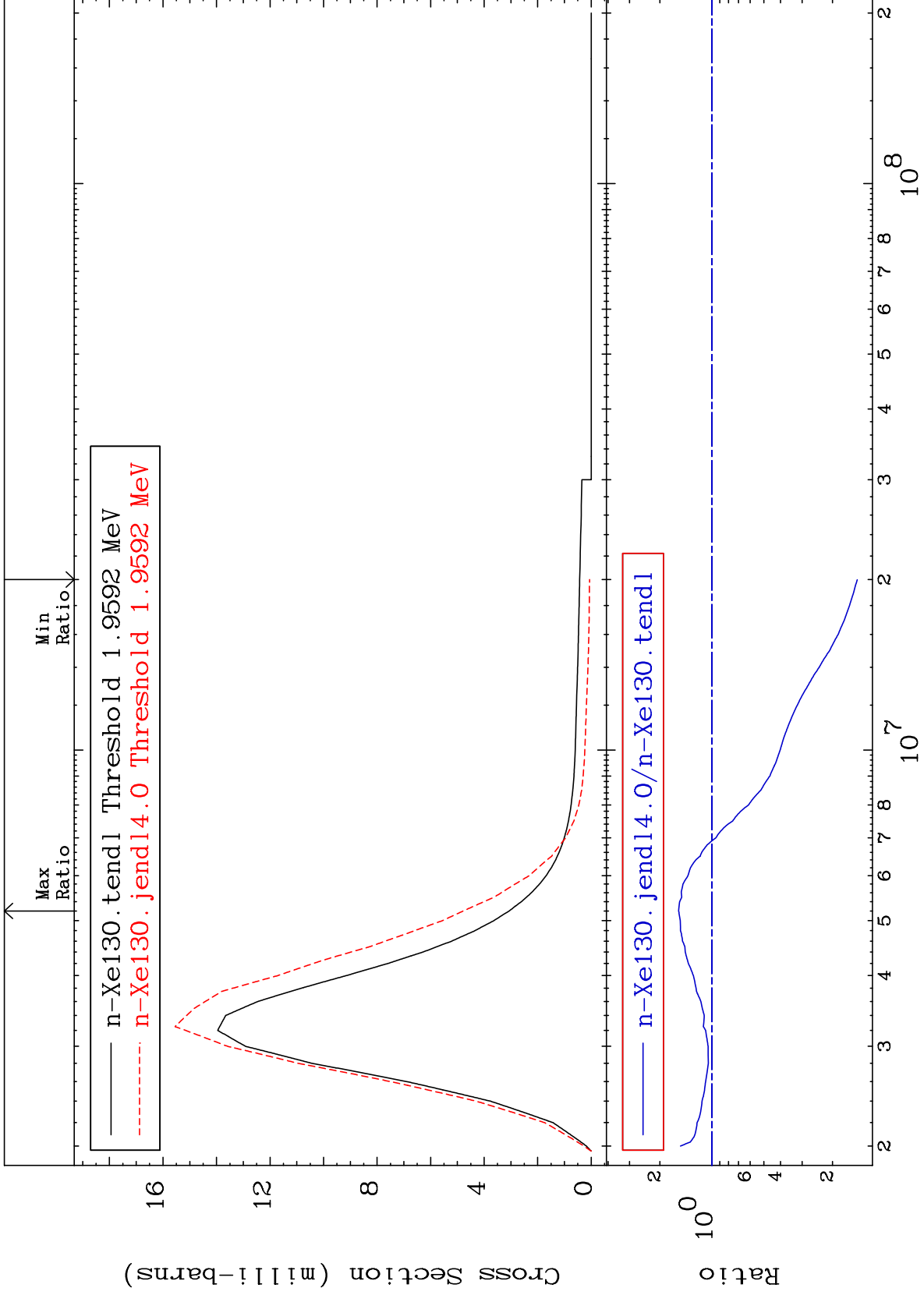
Incident Energy (eV)

54-Xe-130

MAT 5443

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

54-Xe-130  
-85.64 To 55.83 %



16

Incident Energy (eV)

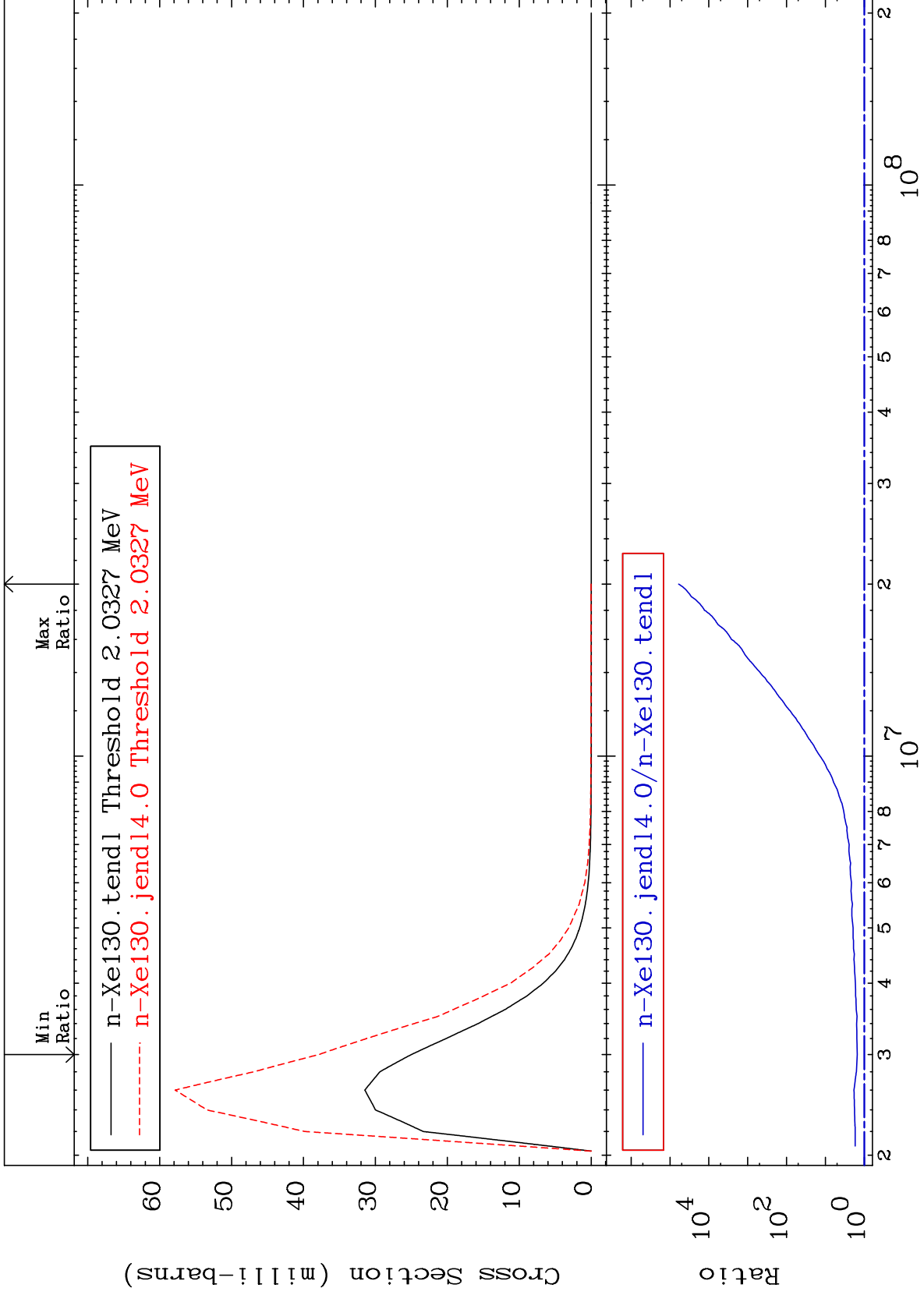
54-Xe-130



MAT 5443

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

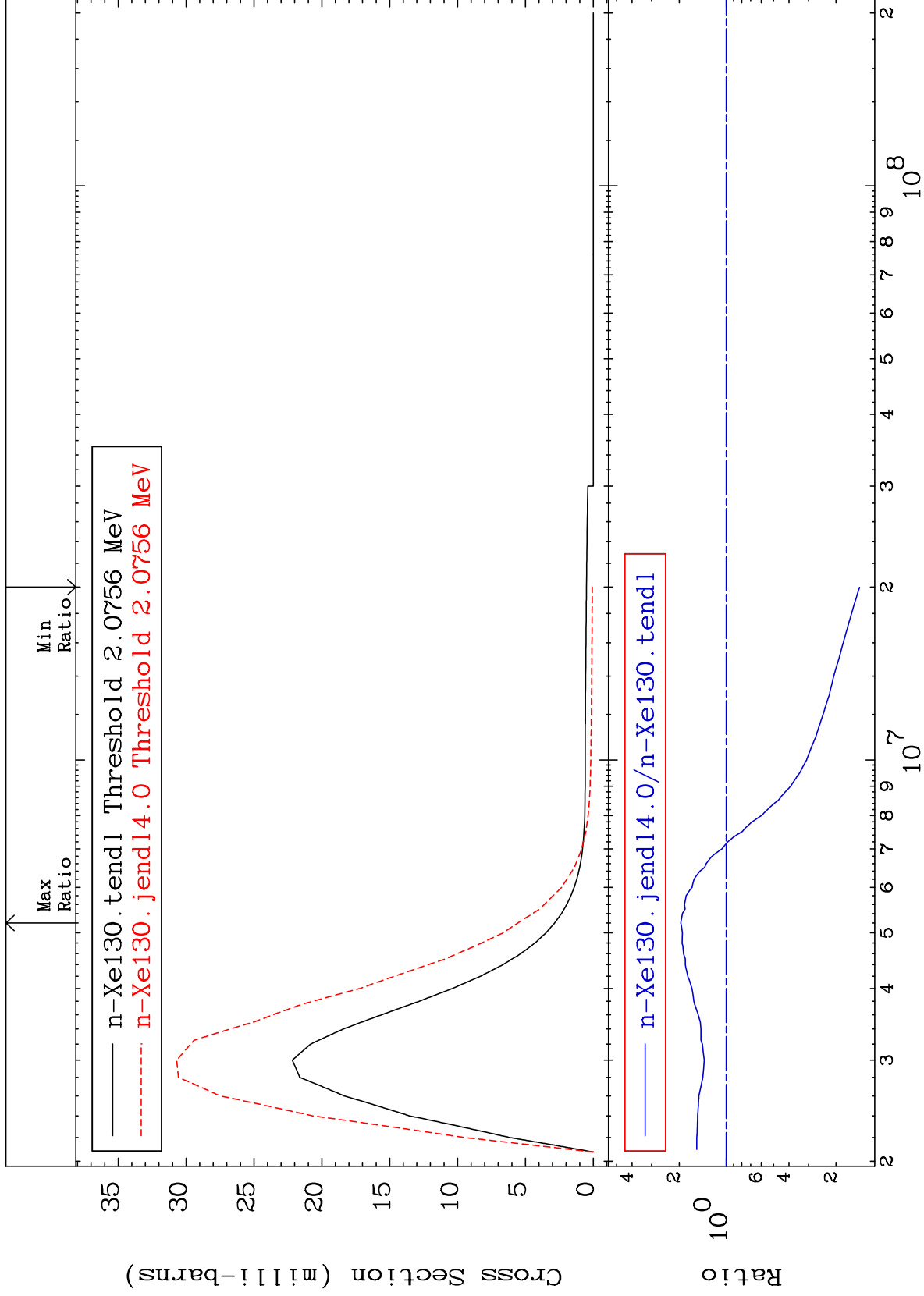
54-Xe-130  
51.56 To 9999. %



MAT 5443

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

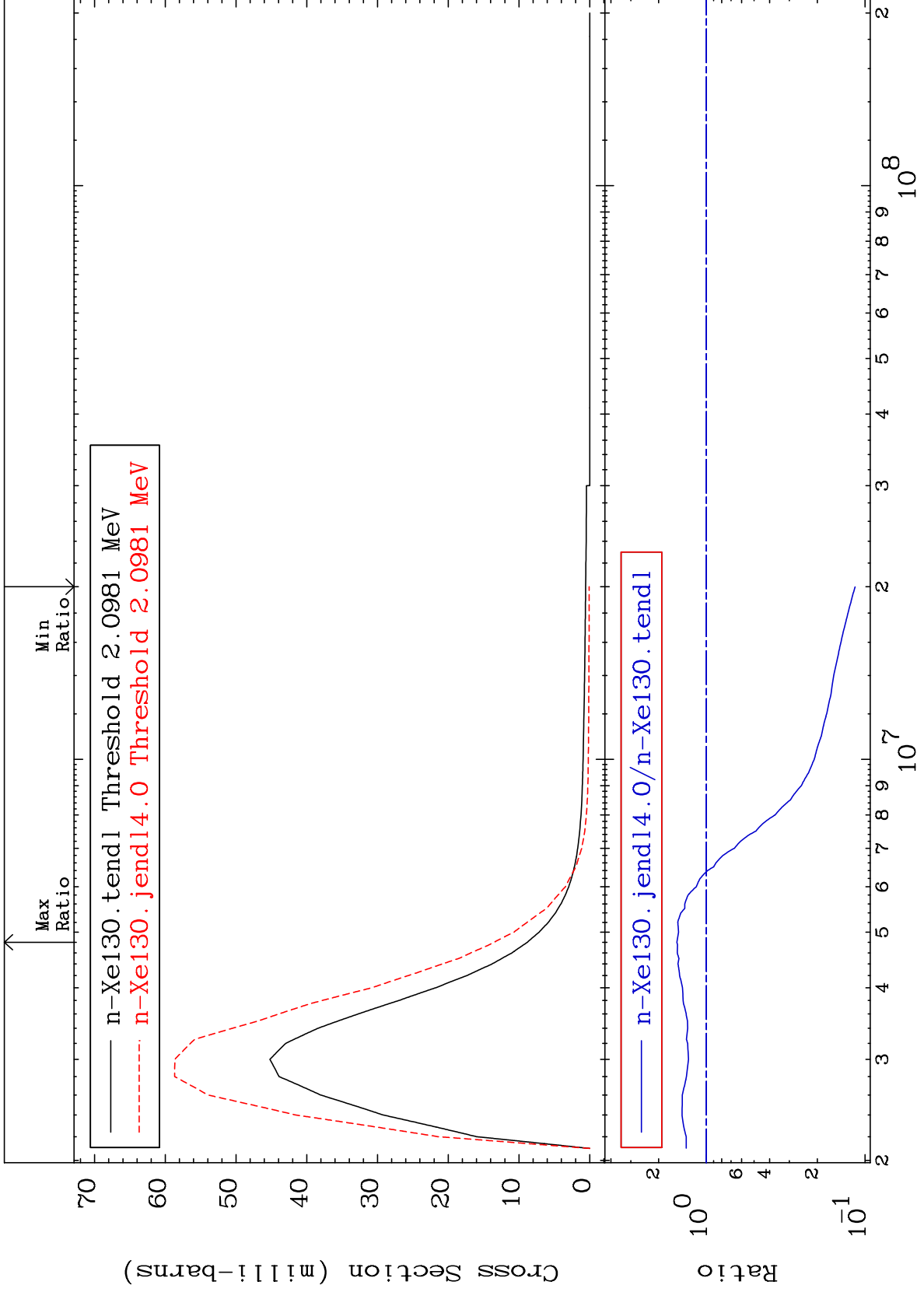
54-Xe-130  
-85.82 To 95.35 %



MAT 5443

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

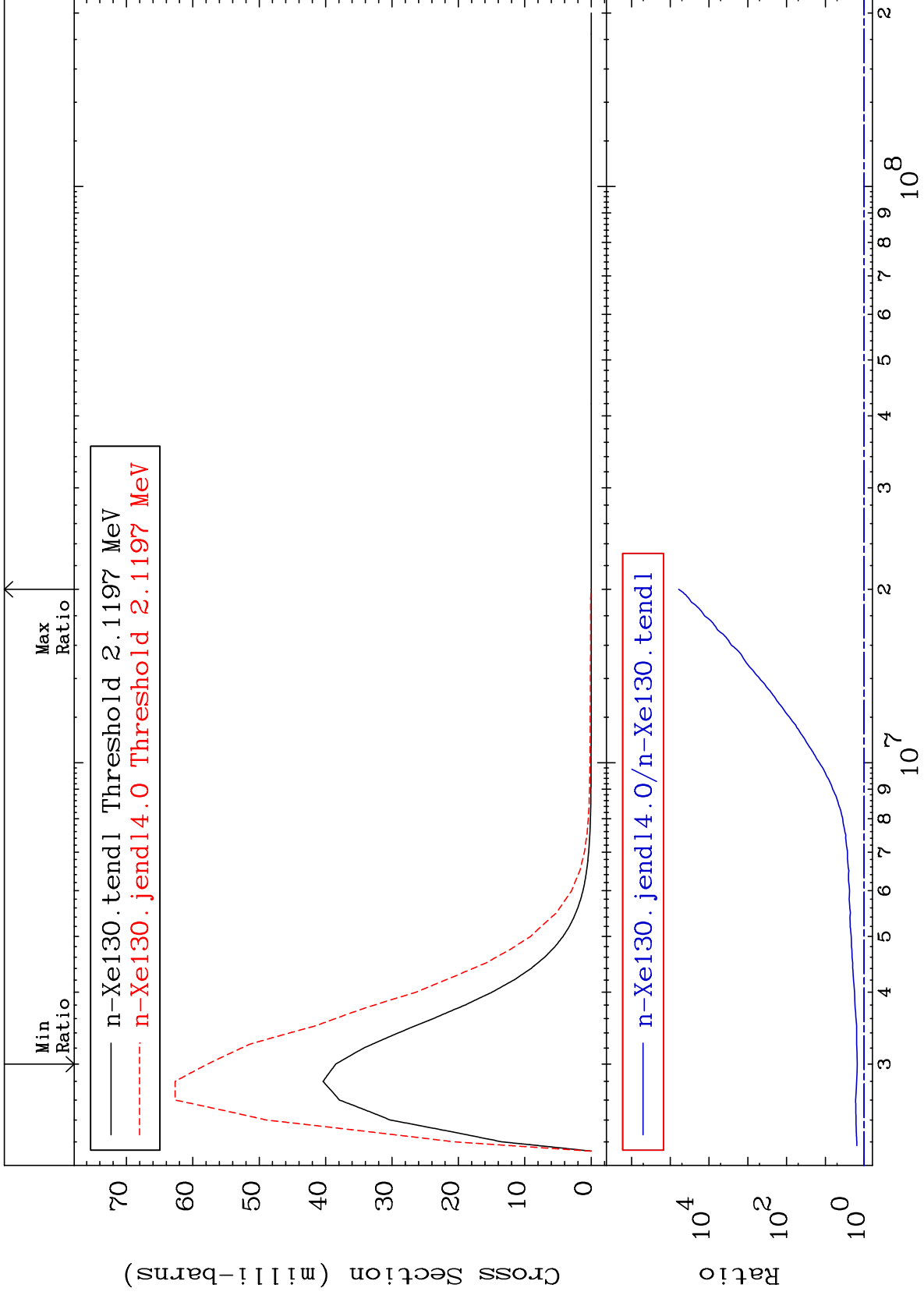
54-Xe-130  
-88.45 To 53.41 %



MAT 5443

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

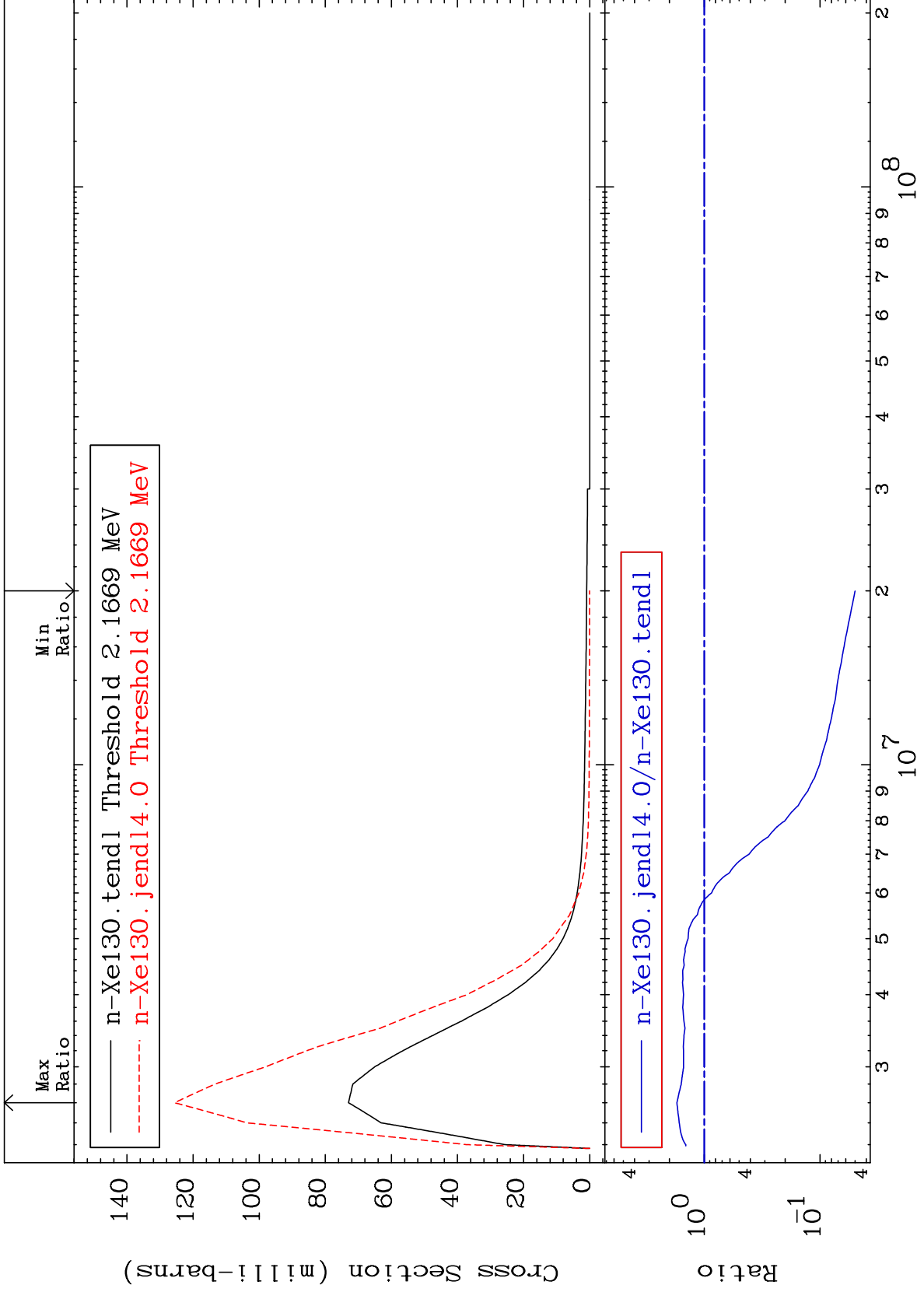
54-Xe-130  
50.22 To 9999. %



MAT 5443

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

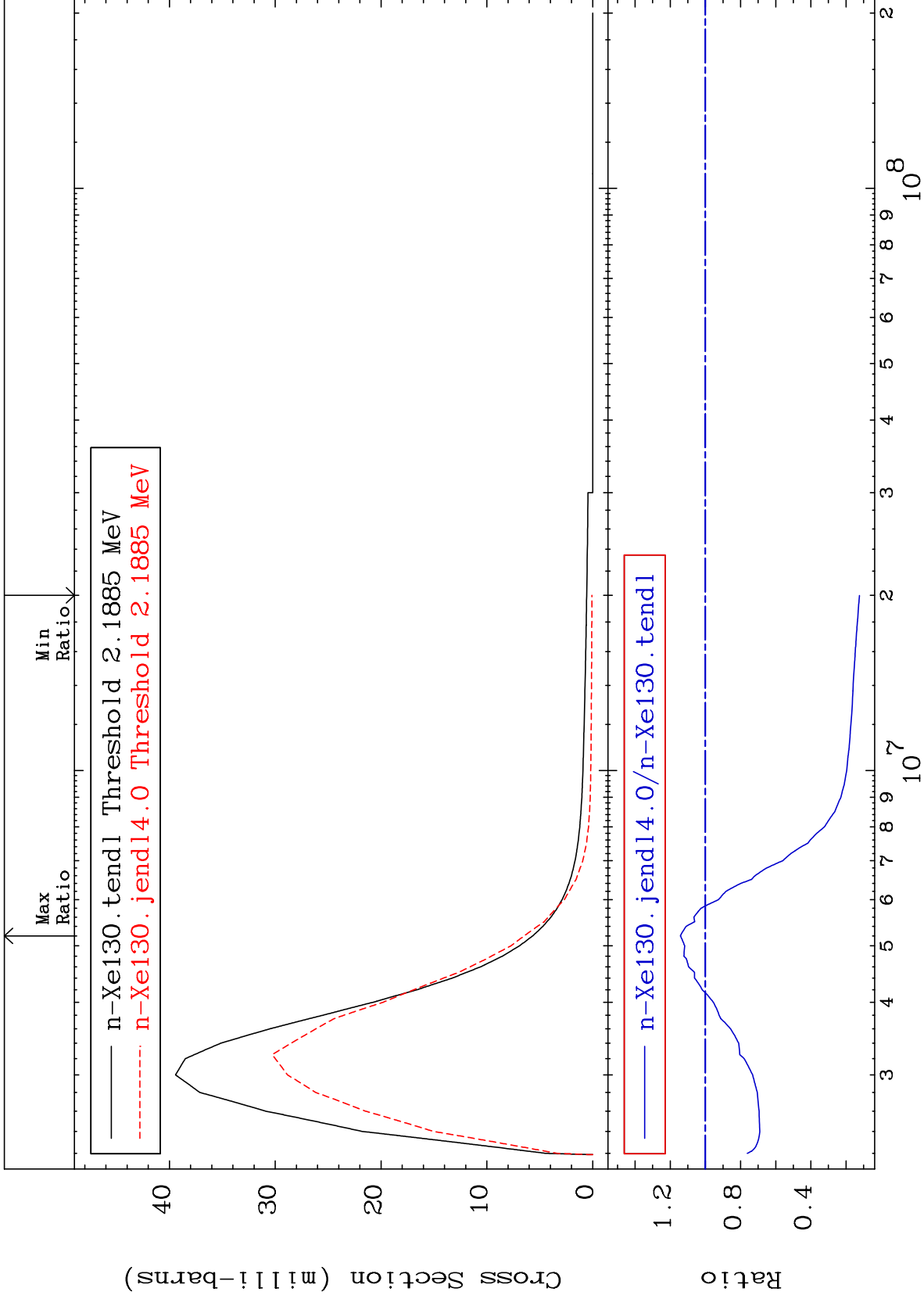
54-Xe-130  
-95.01 To 72.15 %



MAT 5443

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

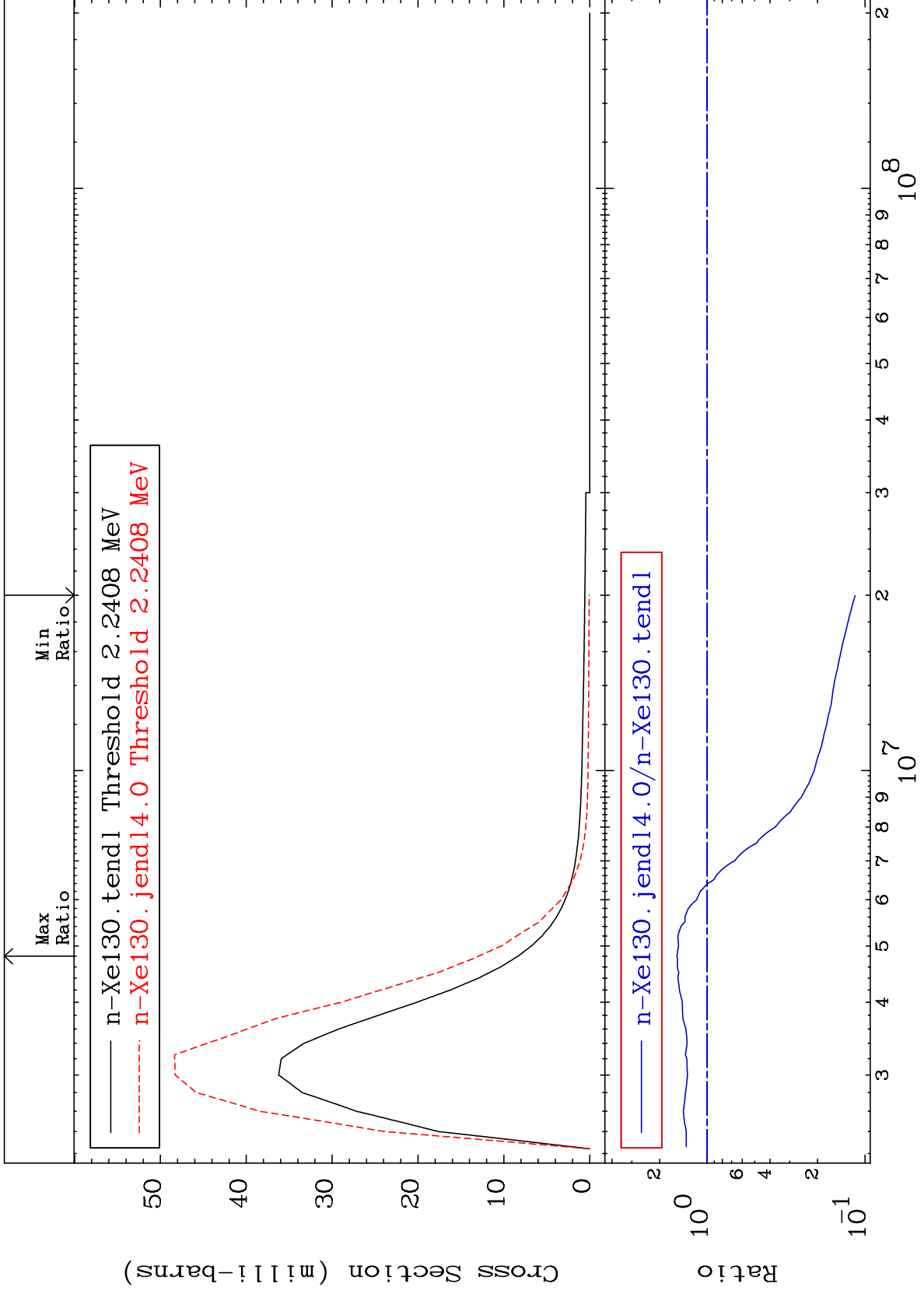
54-Xe-130  
-87.62 To 14.25 %



MAT 5443

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

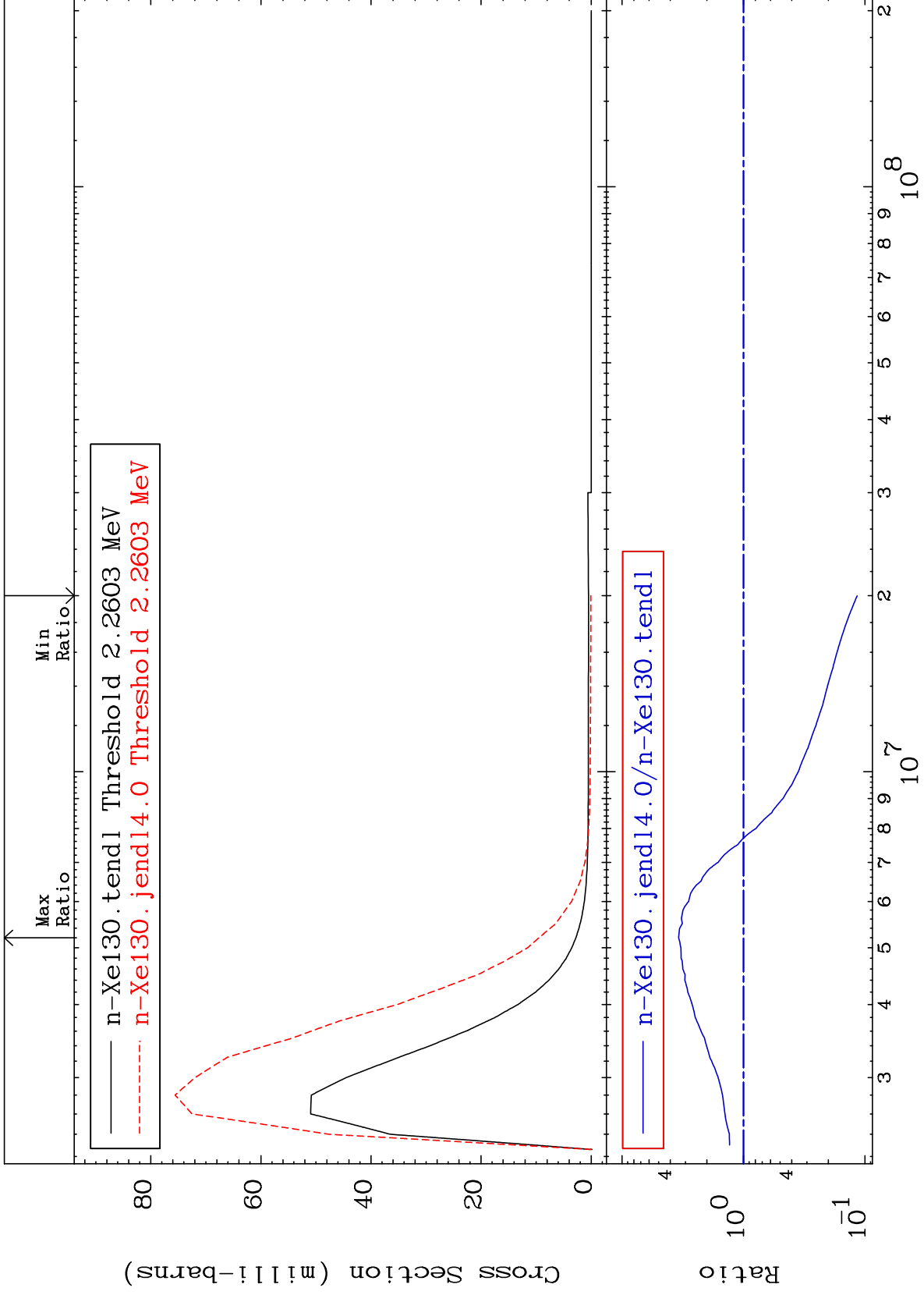
54-Xe-130  
-88.45 To 55.28 %



MAT 5443

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

54-Xe-130  
-88.43 To 241.9 %

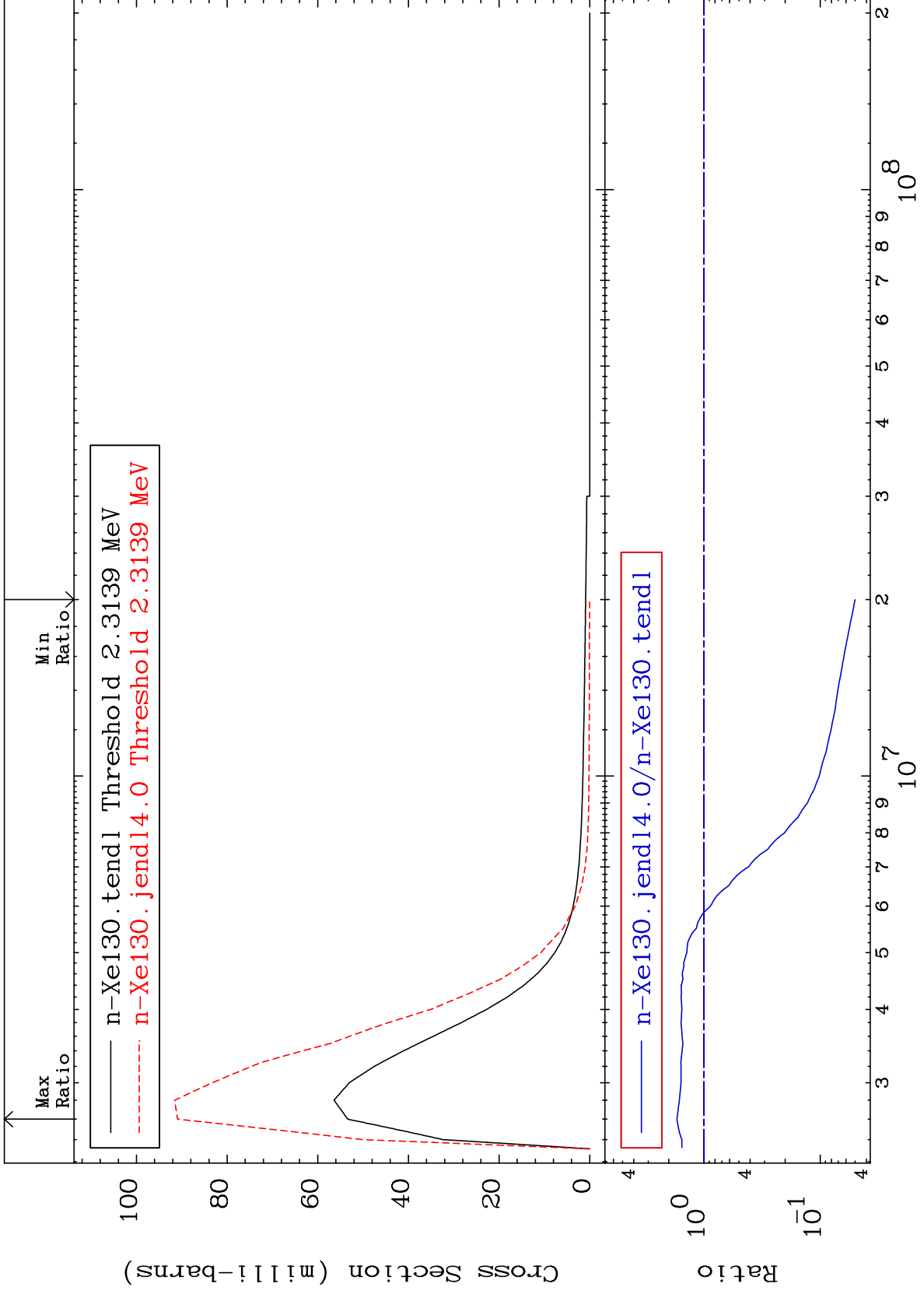




MAT 5443

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

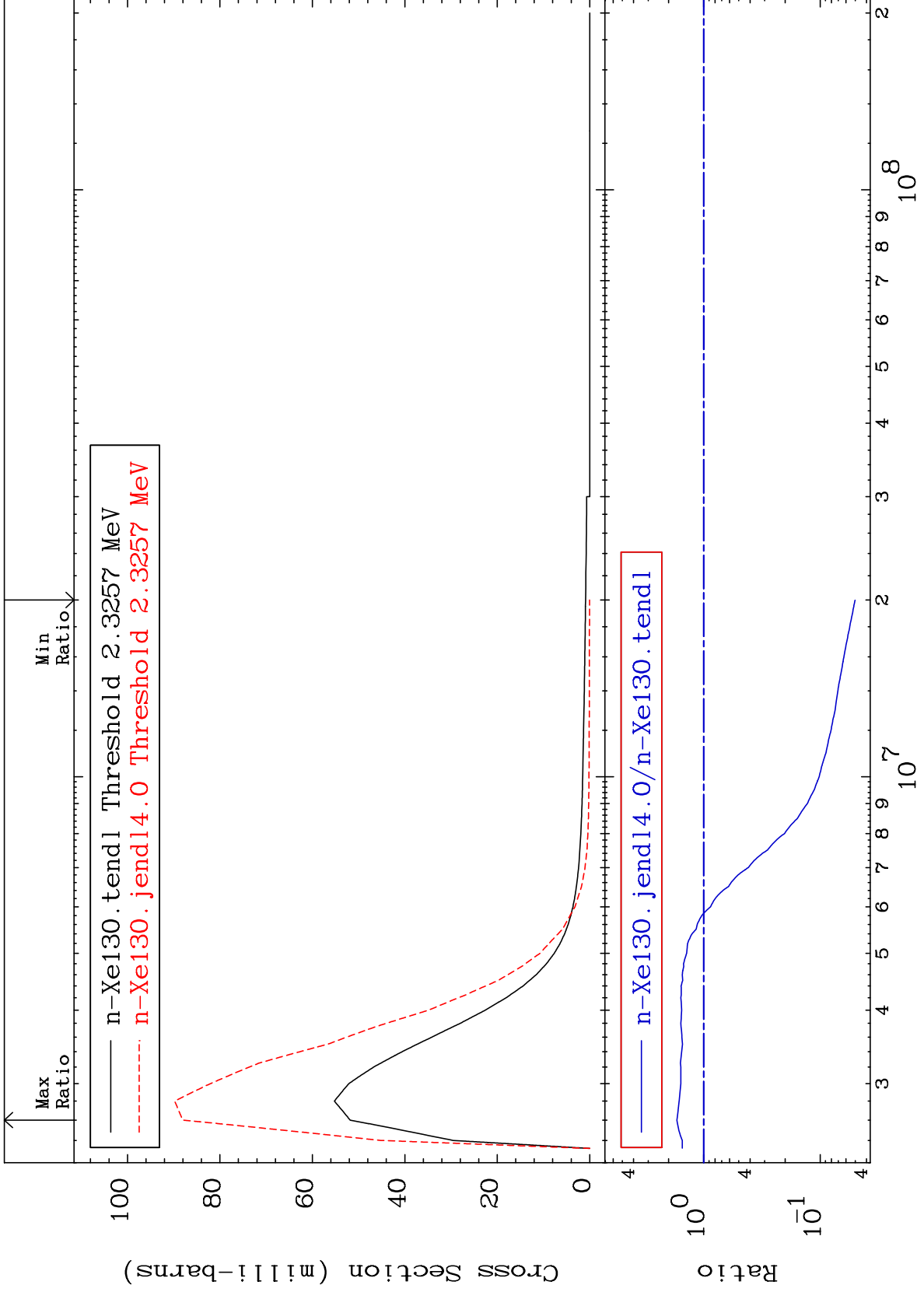
54-Xe-130  
-94.99 To 70.32 %



MAT 5443

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

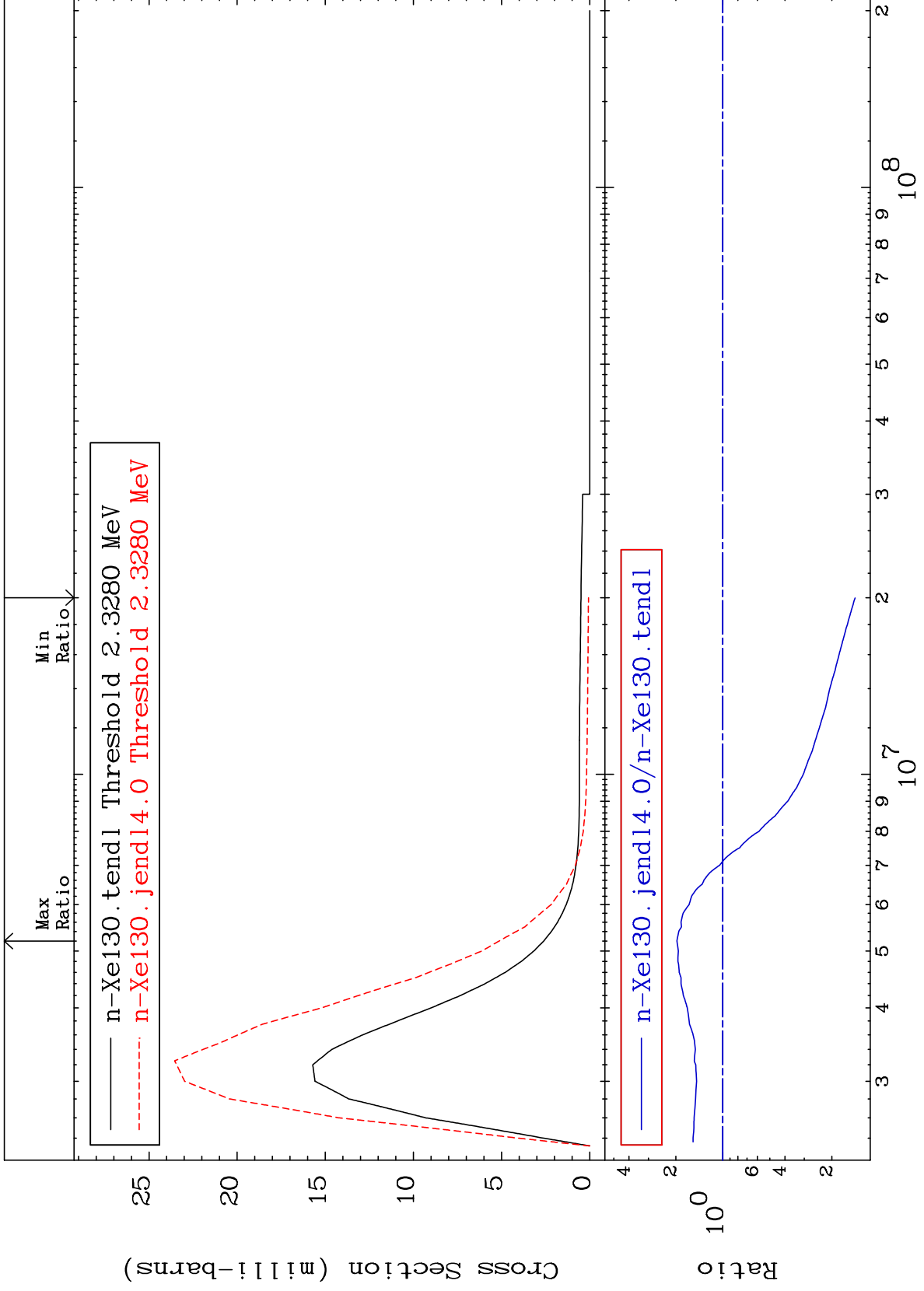
54-Xe-130  
-94.99 To 69.88 %



MAT 5443

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

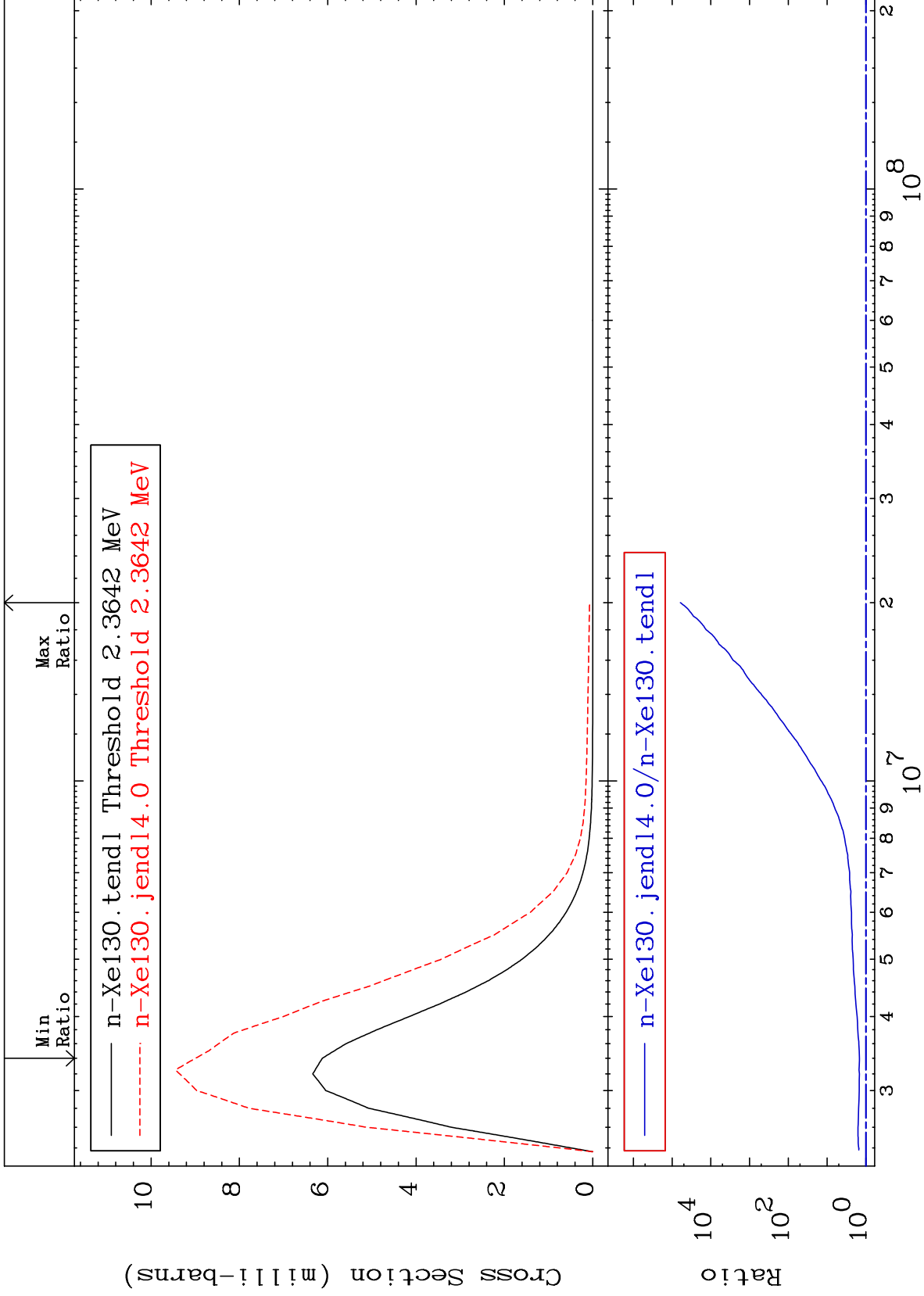
54-Xe-130  
-85.81 To 96.89 %



MAT 5443

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

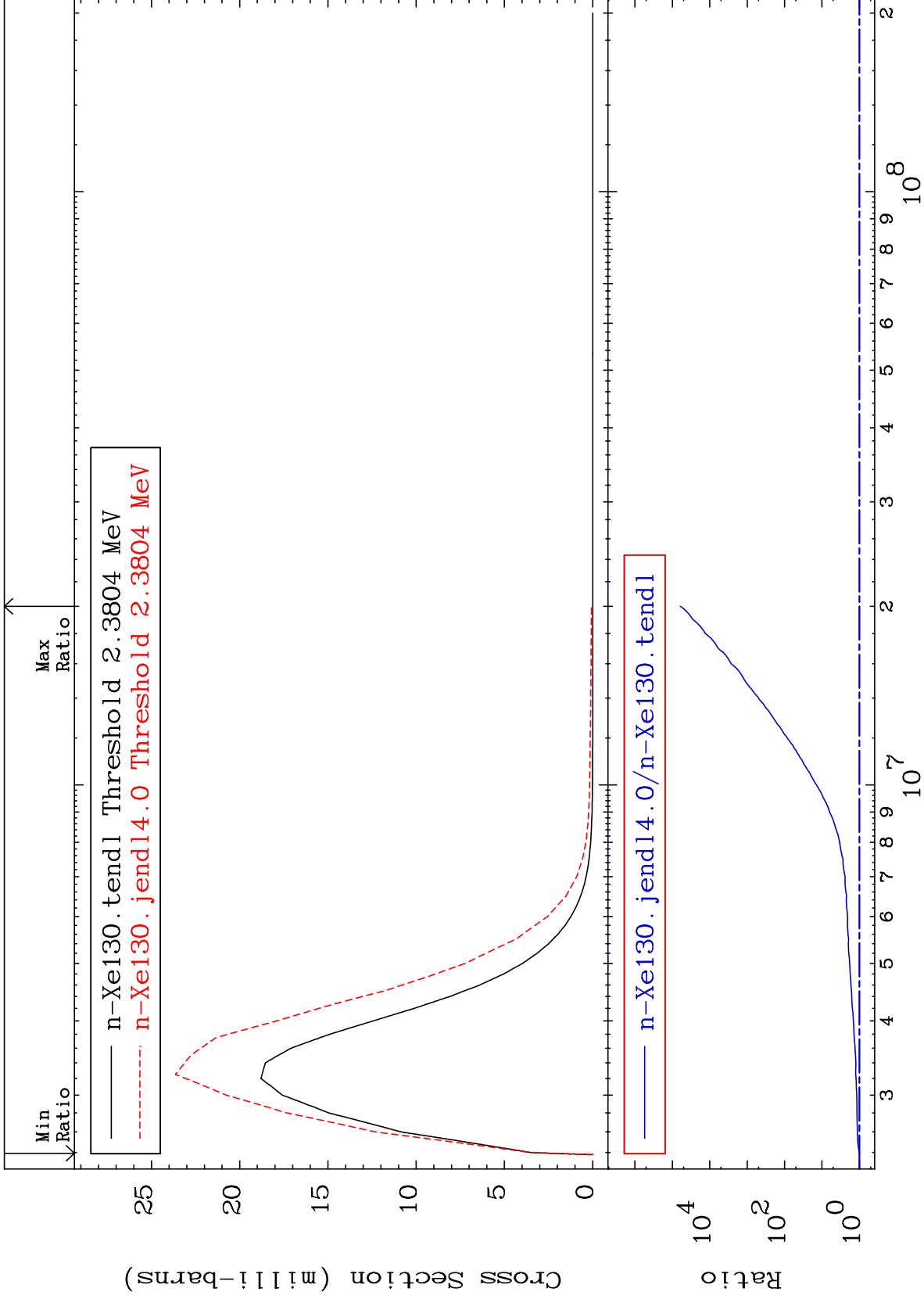
54-Xe-130  
46.88 To 9999. %



MAT 5443

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

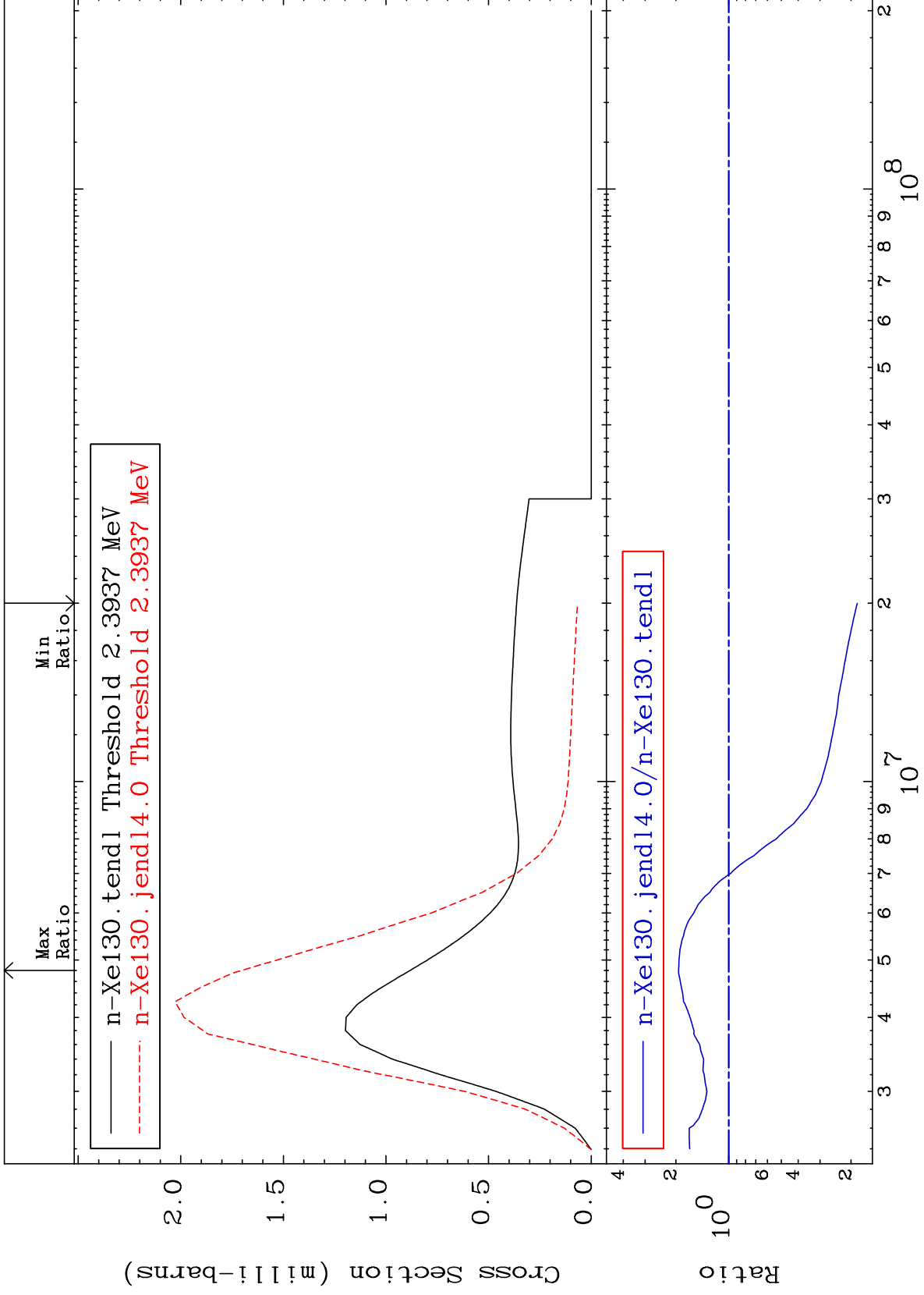
54-Xe-130  
-0.228 To 9999. %



MAT 5443

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

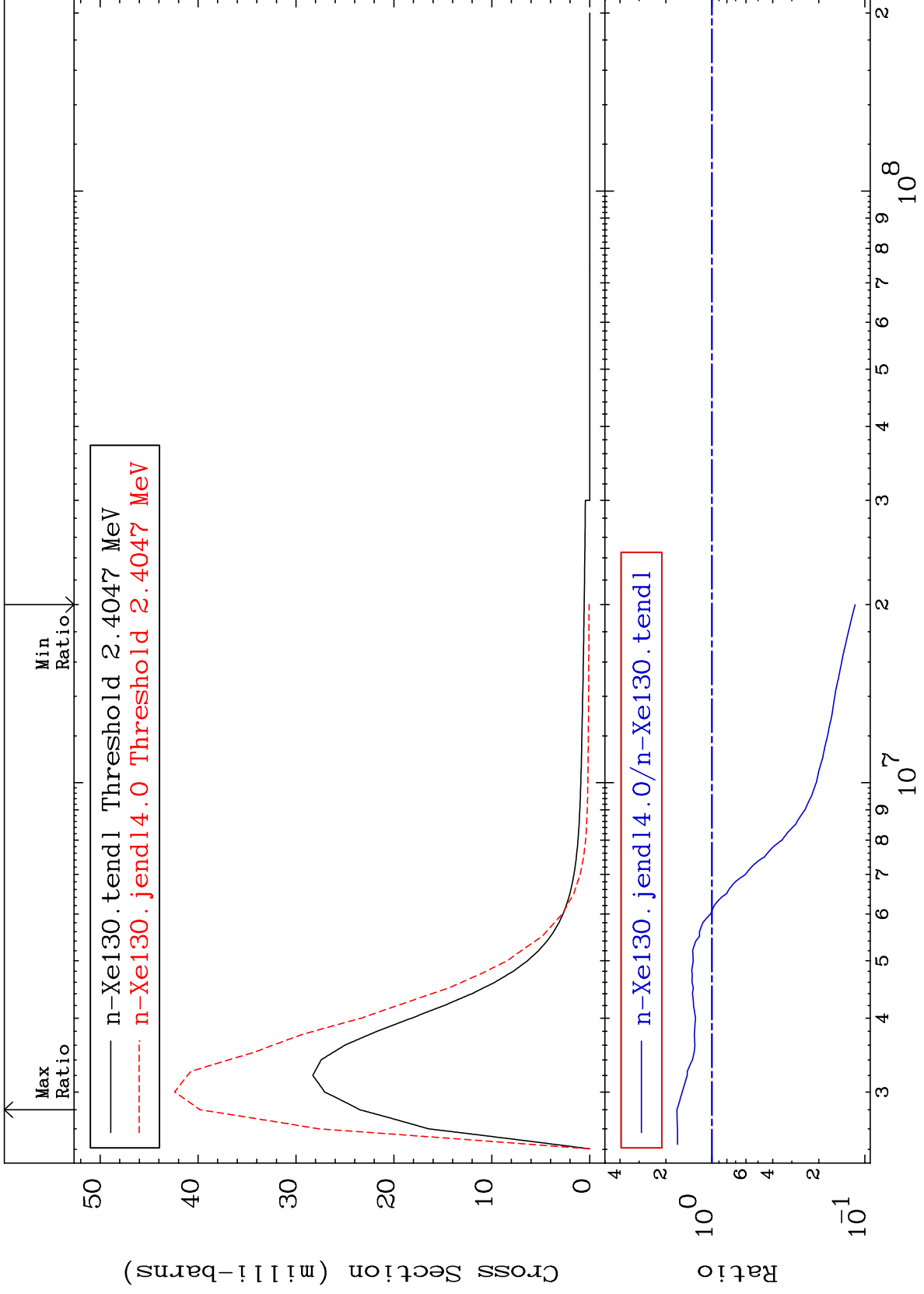
54-Xe-130  
-81.60 To 93.06 %



MAT 5443

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

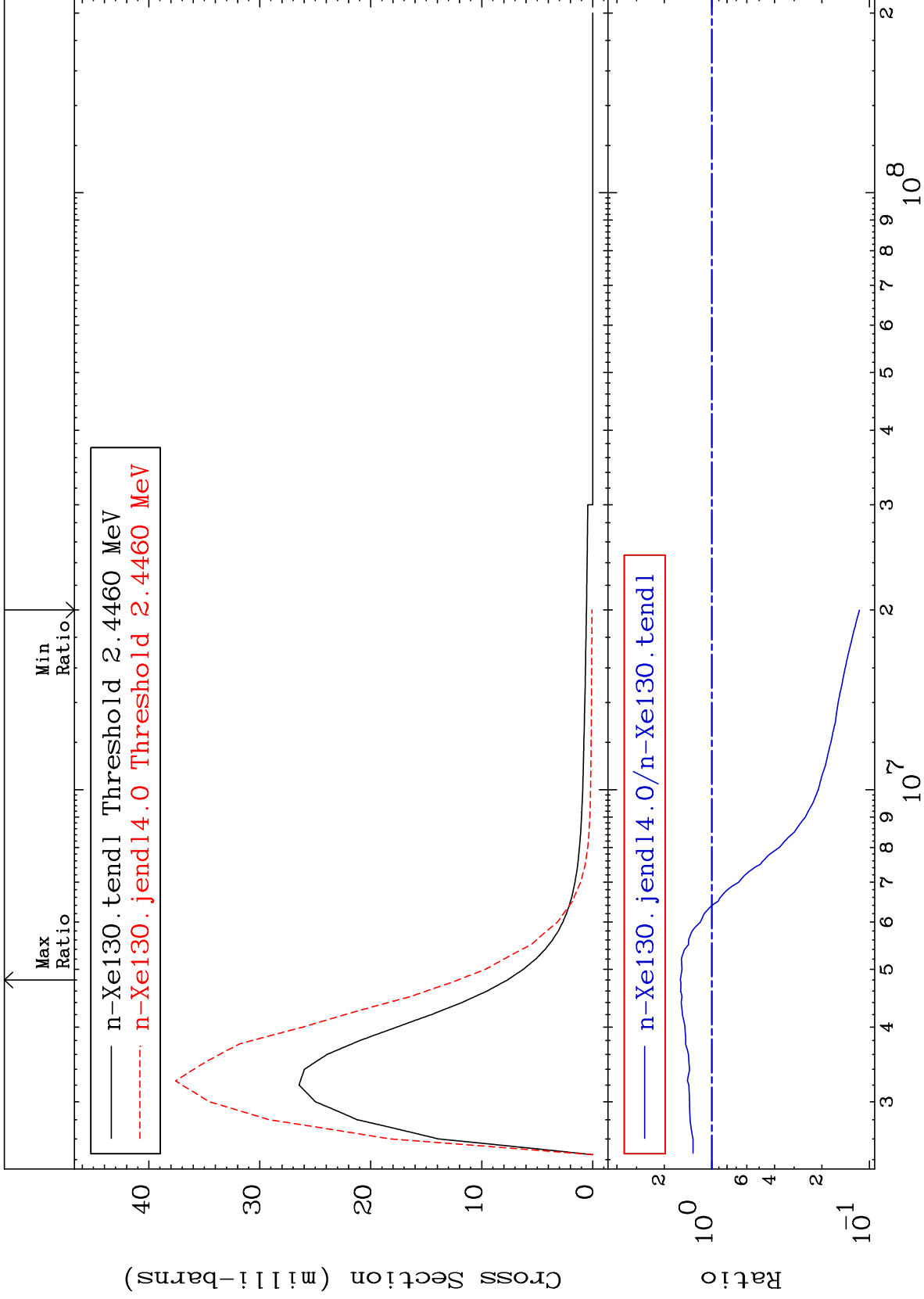
54-Xe-130  
-88.42 To 69.60 %



MAT 5443

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

54-Xe-130  
-88.44 To 58.25 %

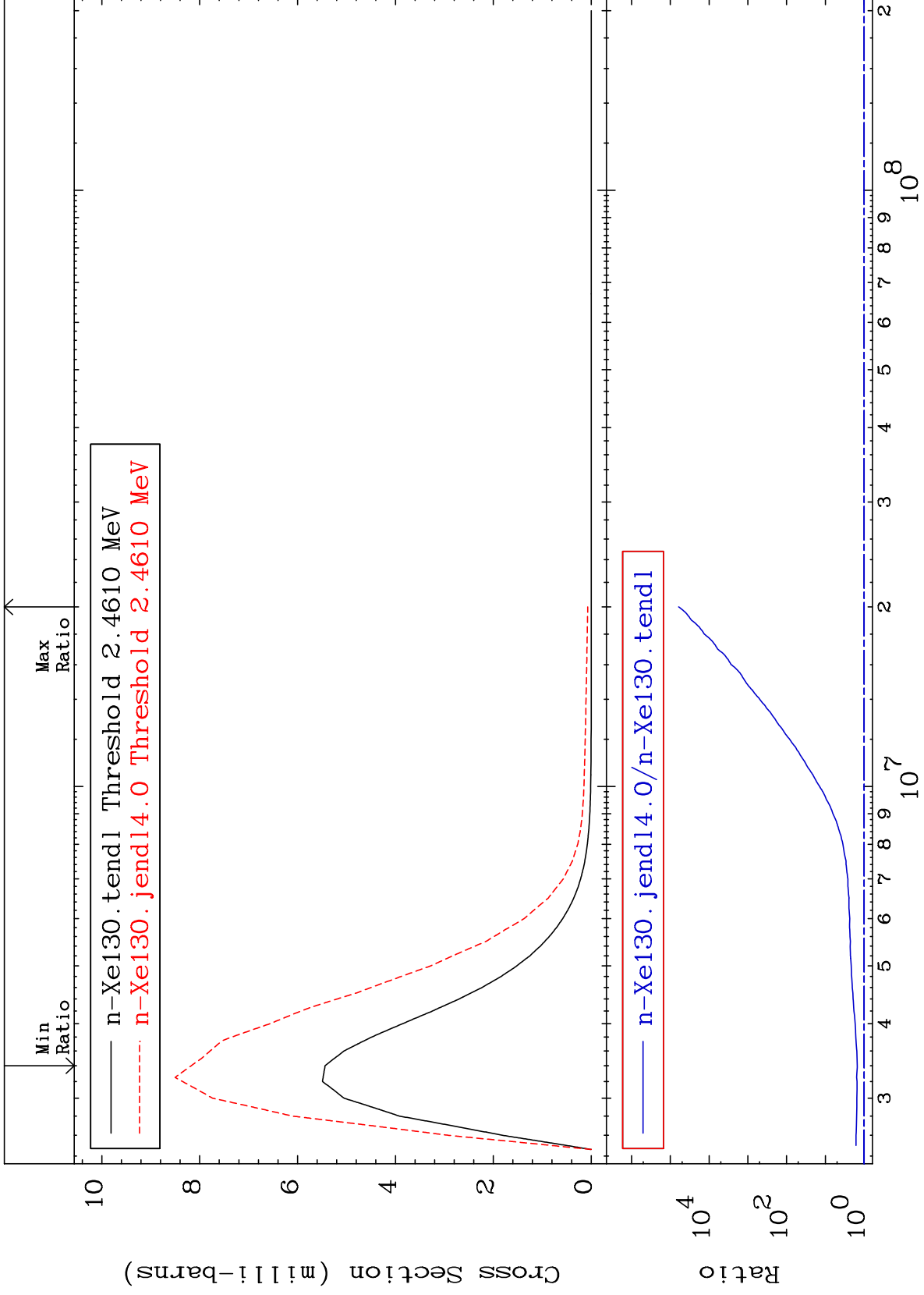




MAT 5443

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

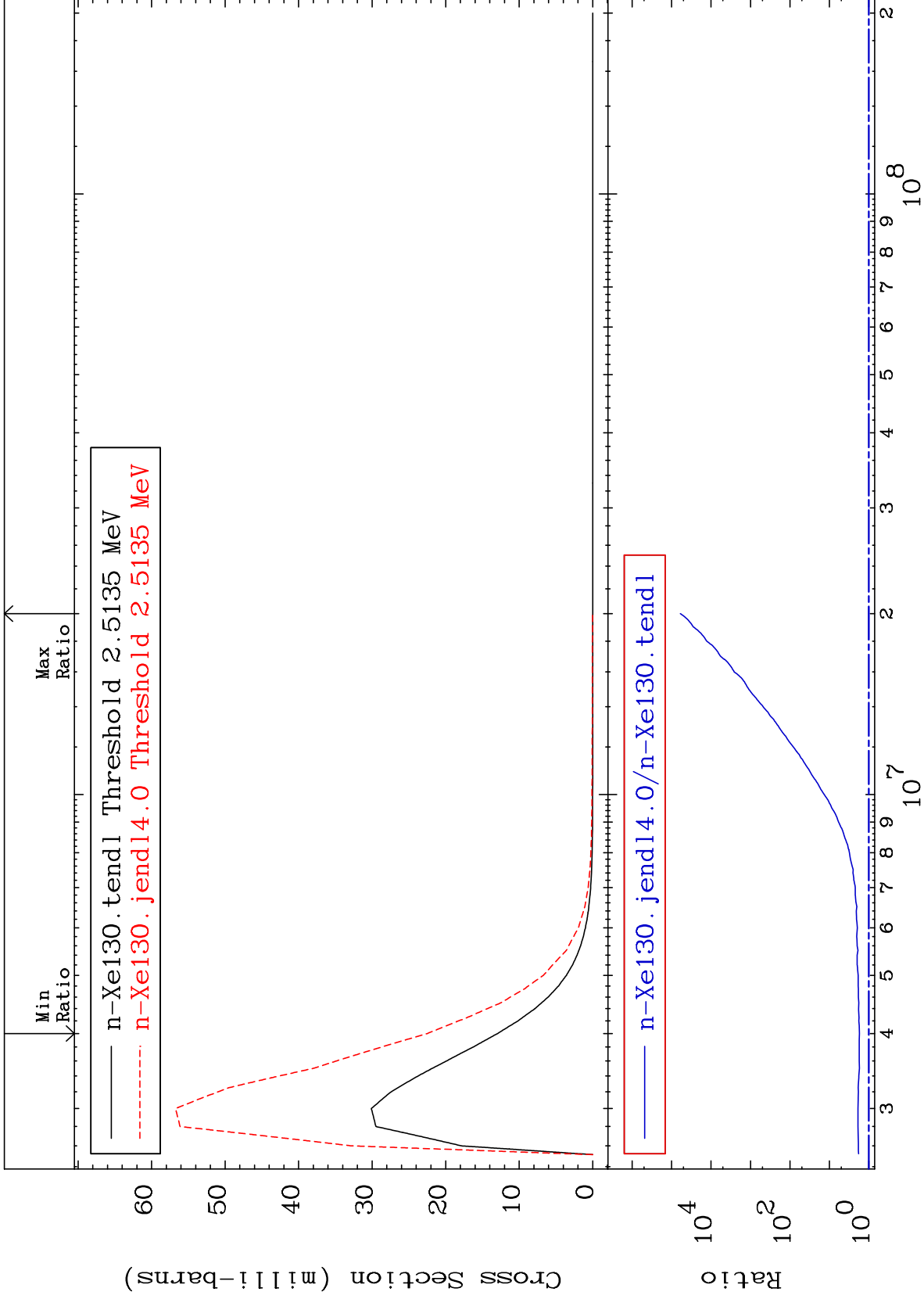
54-Xe-130  
50.35 To 9999. %



MAT 5443

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

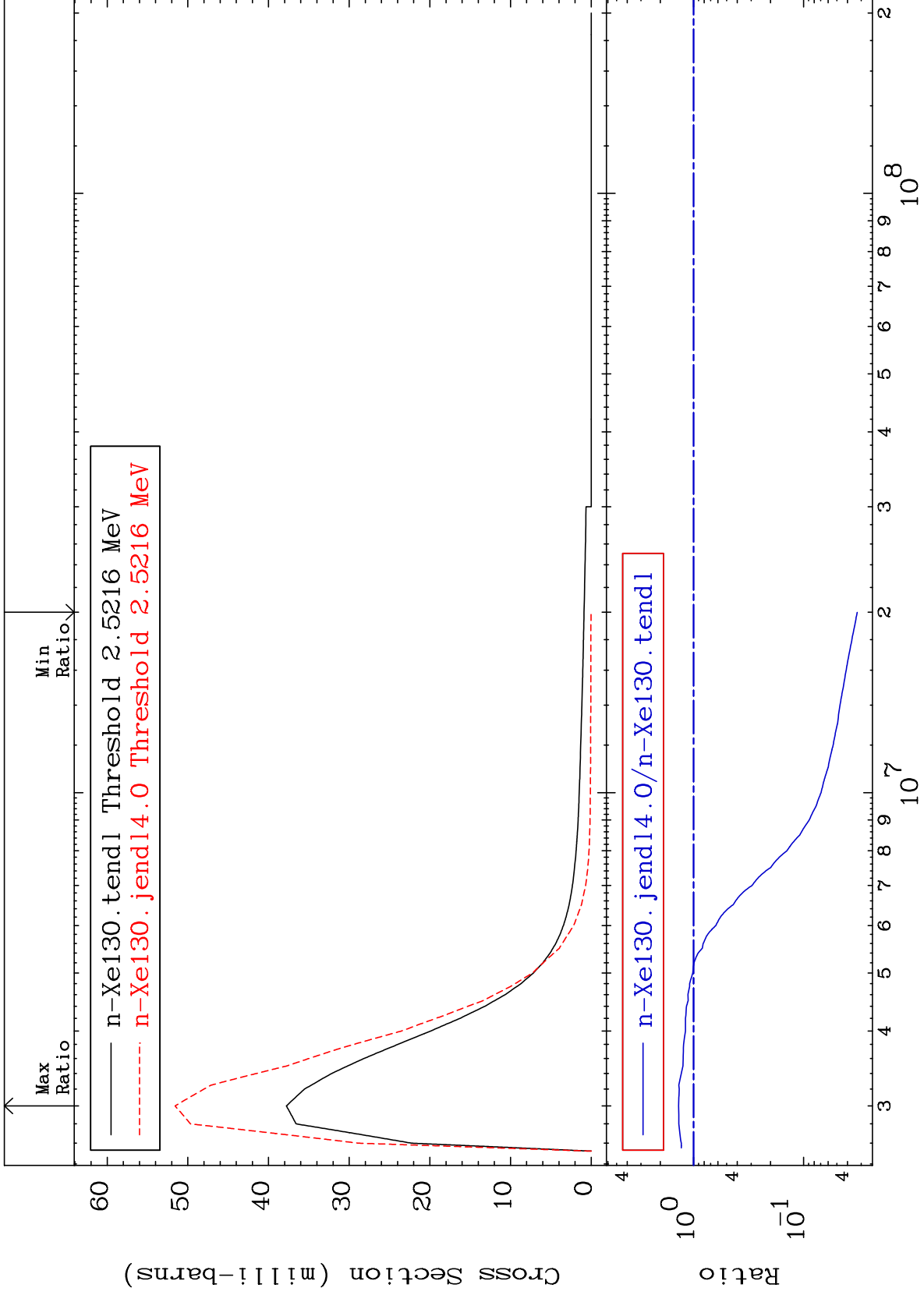
54-Xe-130  
73.84 To 9999. %



MAT 5443

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

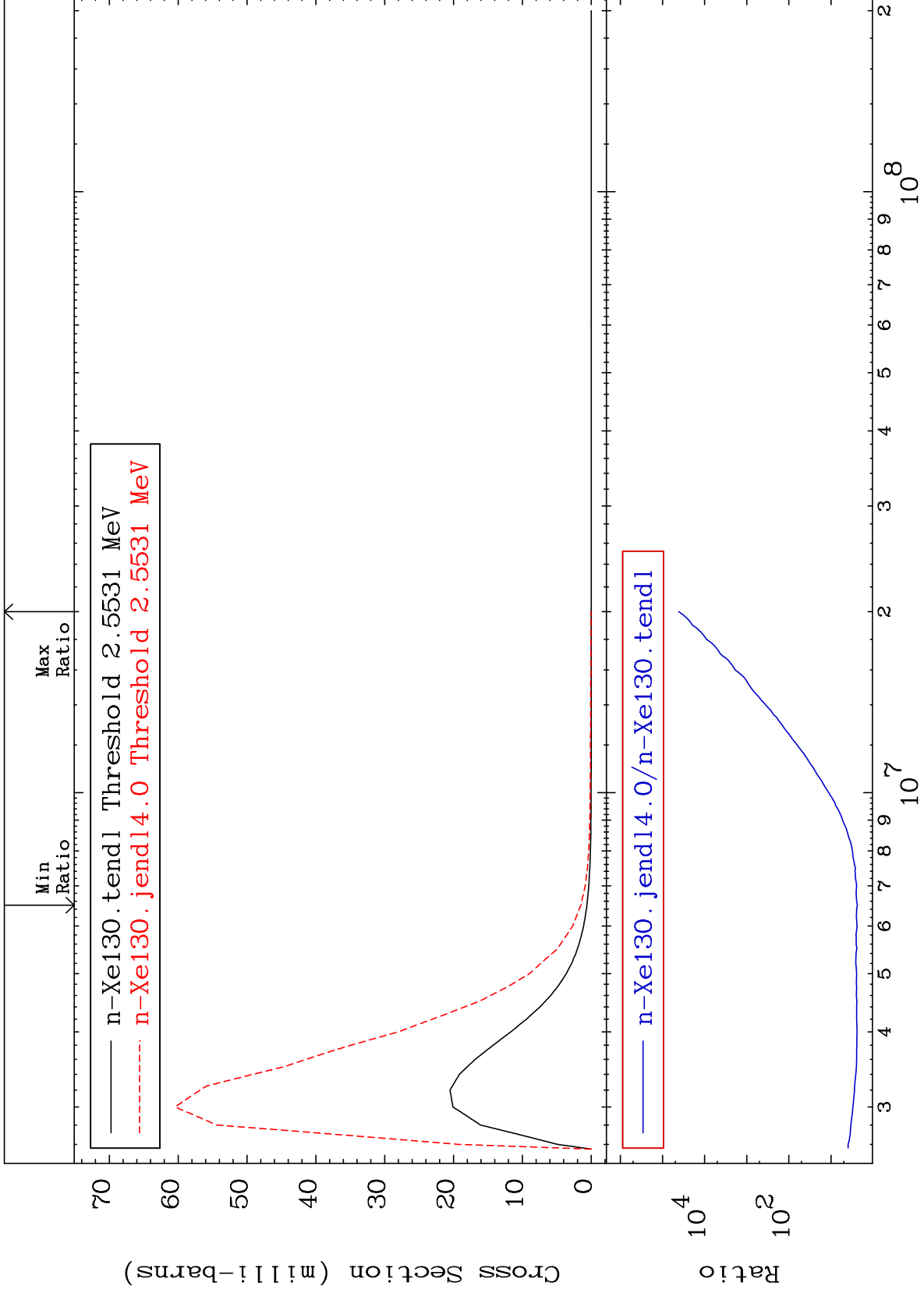
54-Xe-130  
-96.74 To 36.54 %



MAT 5443

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

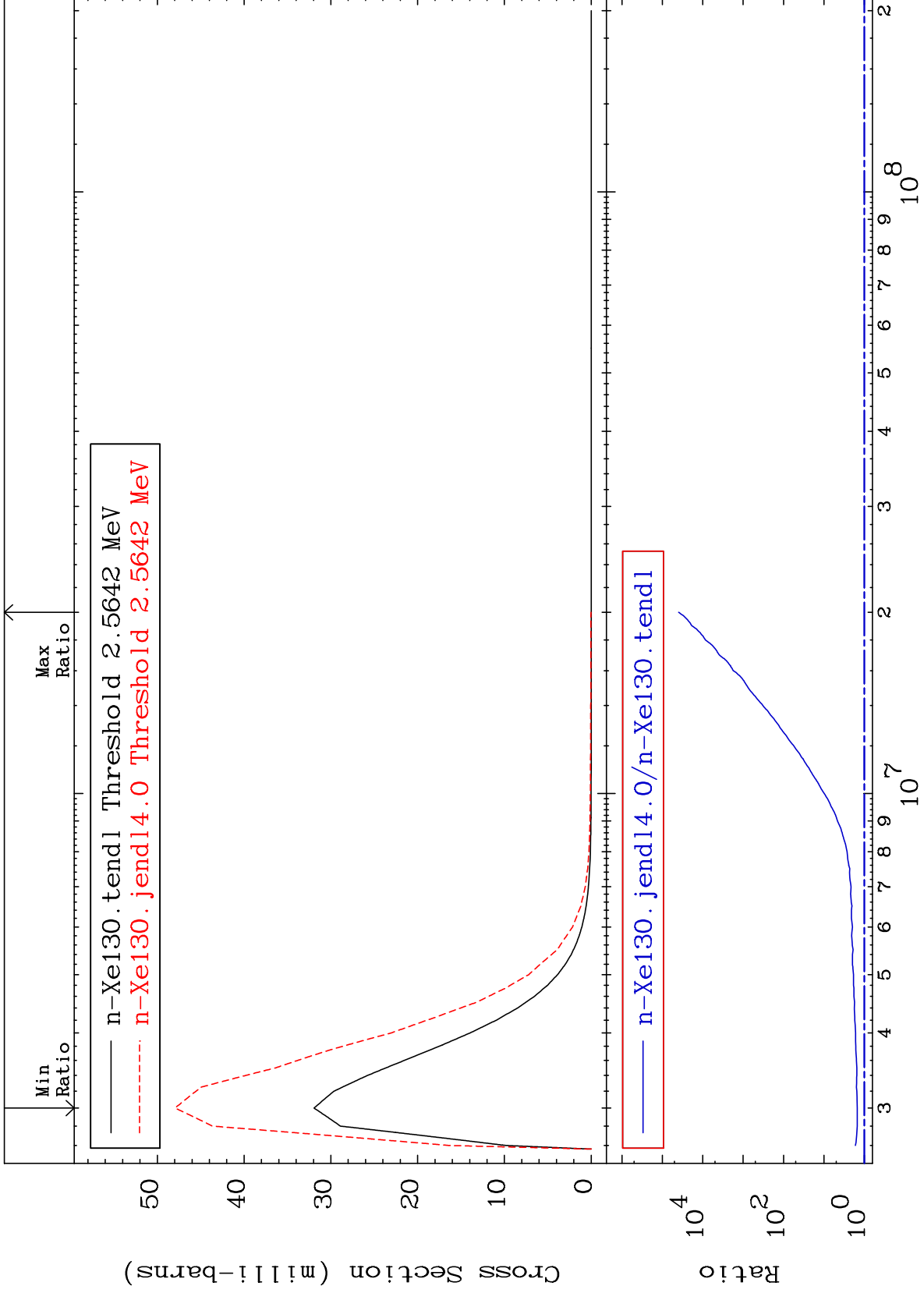
54-Xe-130  
138.1 To 9999. %



MAT 5443

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

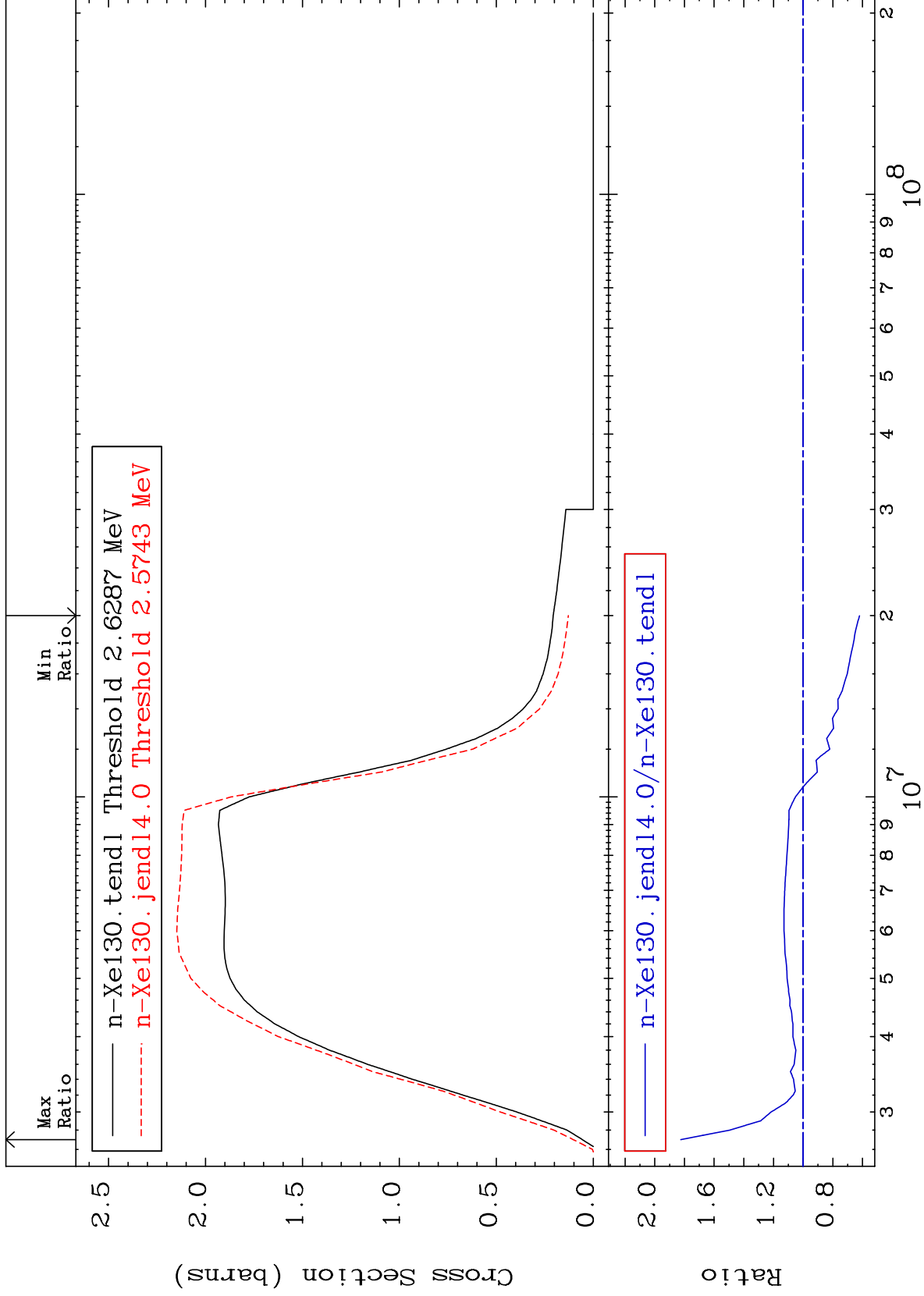
54-Xe-130  
To 9999. %  
50.17



MAT 5443

(n, n') Continuum  
Cross Section

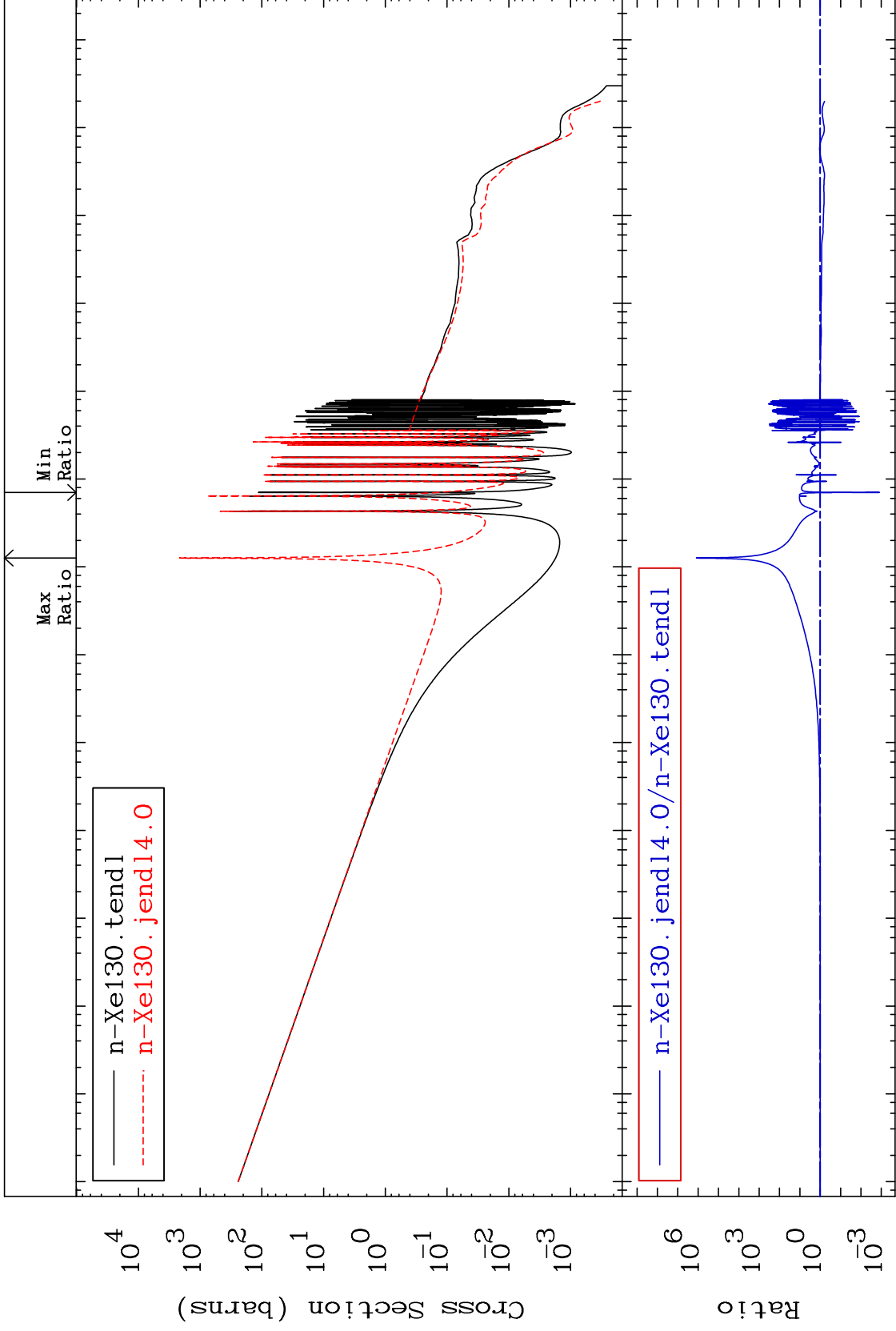
54-Xe-130  
-38.01 To 82.47 %



MAT 5443

(n,  $\gamma$ )  
Cross Section

54-Xe-130  
-99.88 To 9999. %



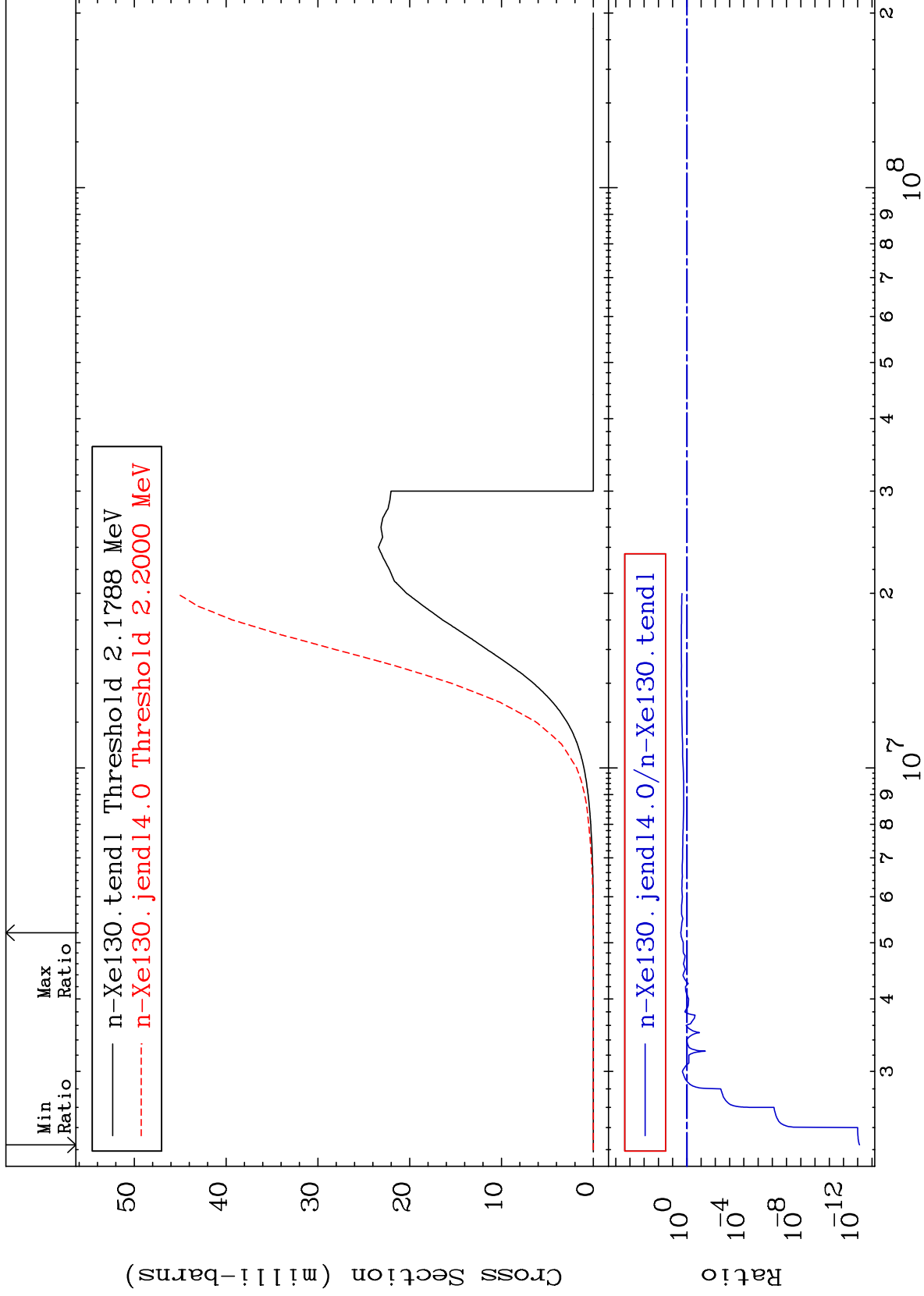
MAT 5443

(n,p)

54-Xe-130

Cross Section

-100.0 To 169.1 %





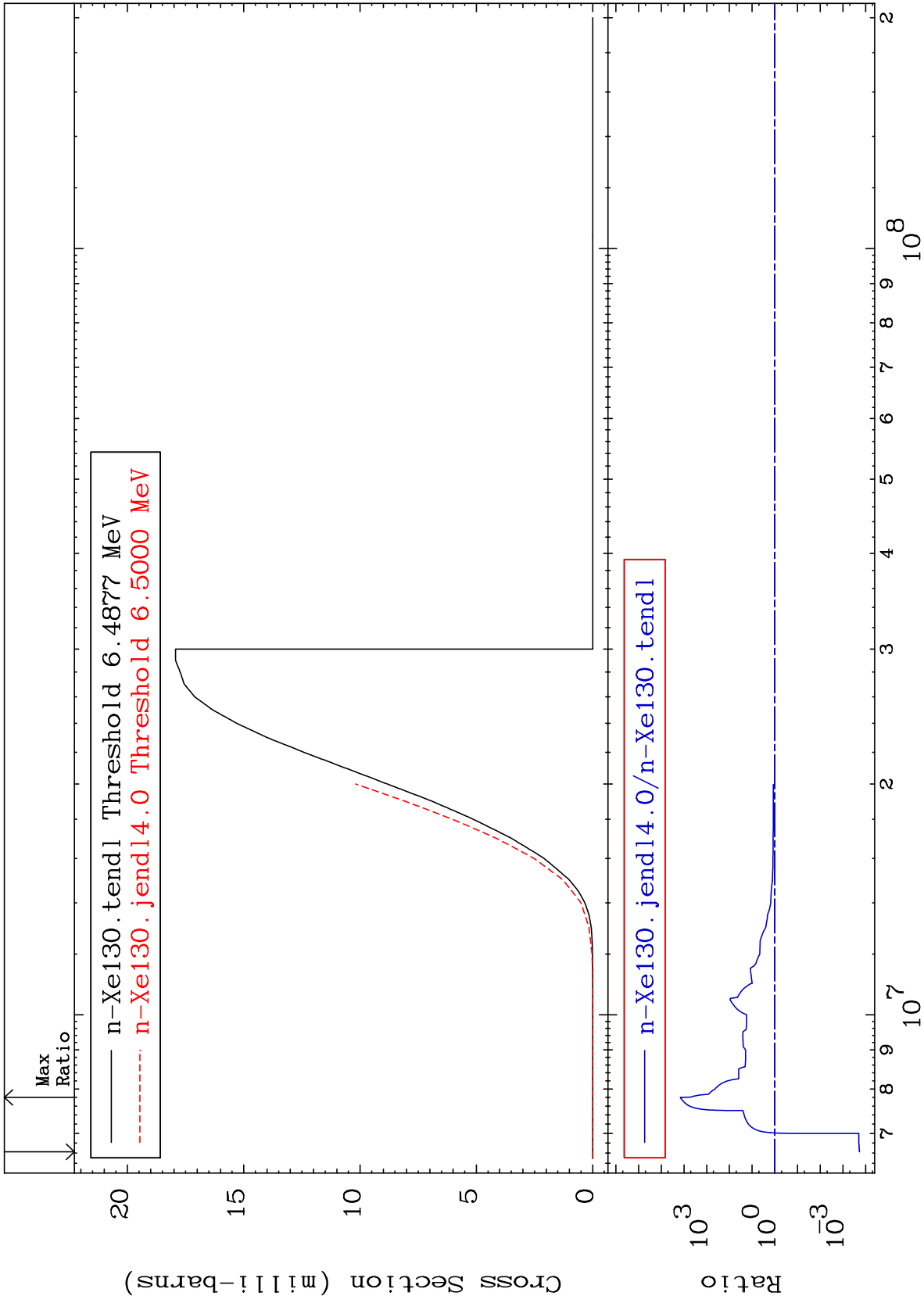
MAT 5443

(n, d)

54-Xe-130

Cross Section

-99.98 To 9999. %



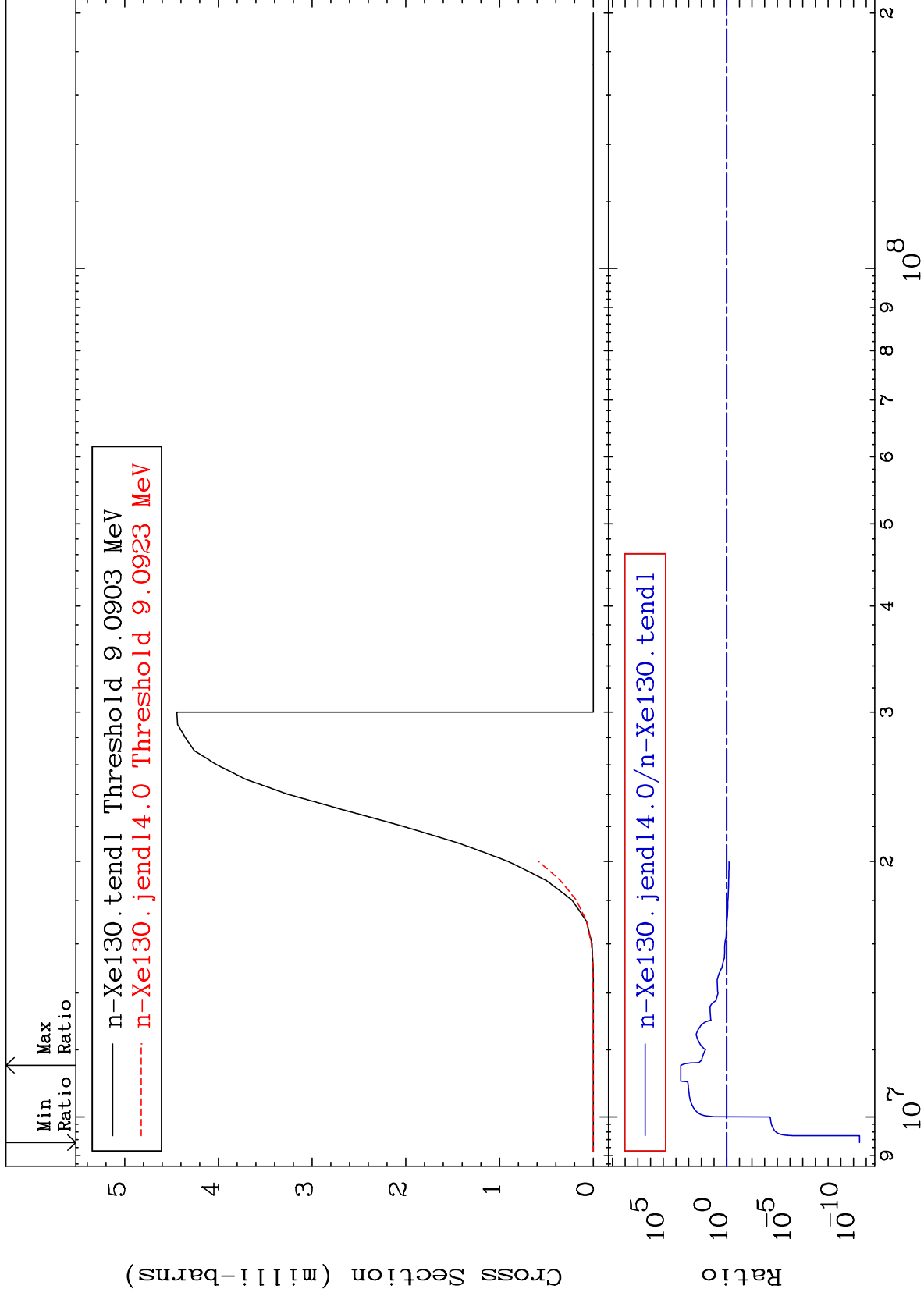
MAT 5443

(n, t)

54-Xe-130

Cross Section

-100.0 To 9999. %



42

Incident Energy (eV)

54-Xe-130

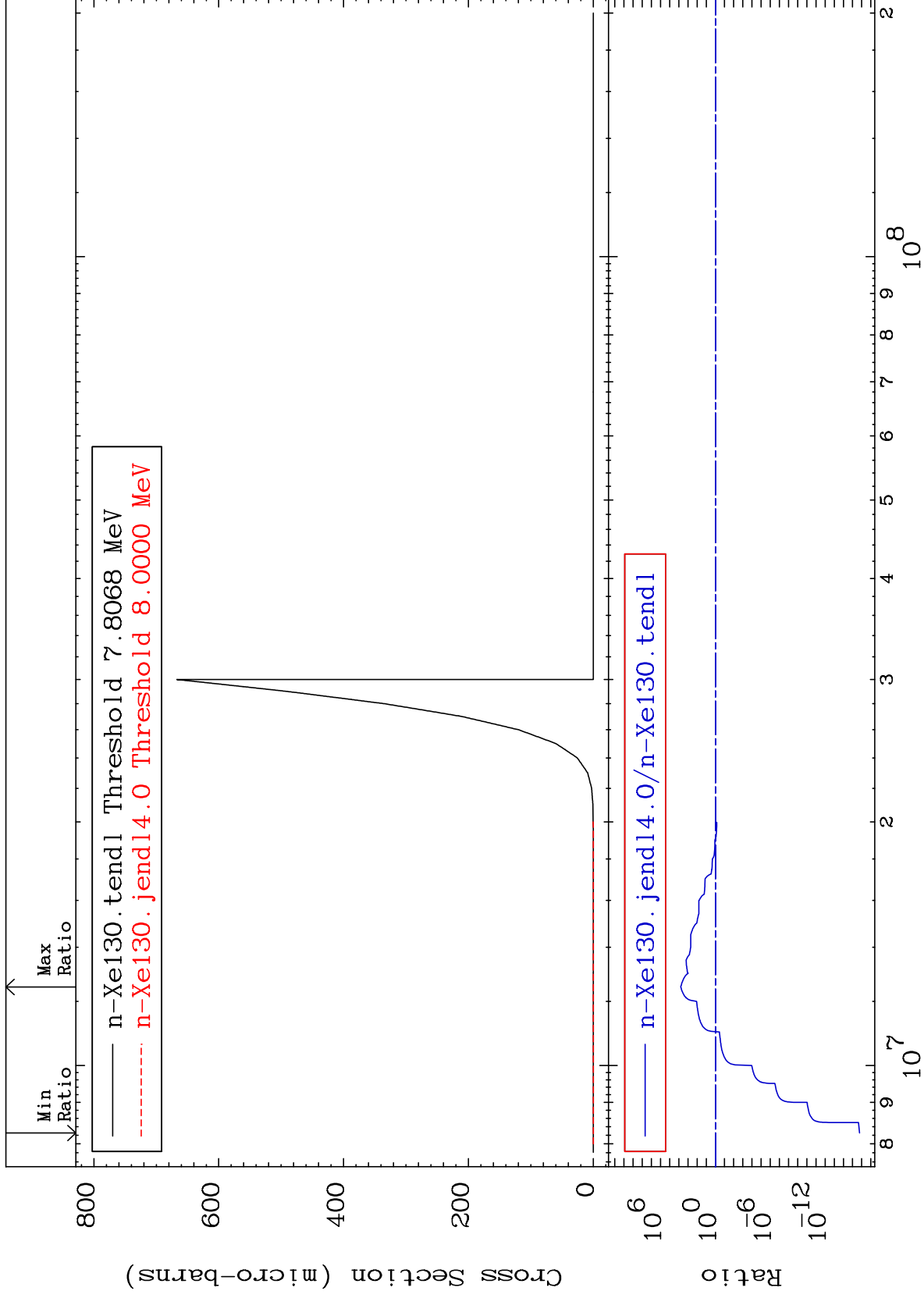
MAT 5443

(n, He-3)

54-Xe-130

Cross Section

-100.0 To 9999. %



43

Incident Energy (eV)

54-Xe-130

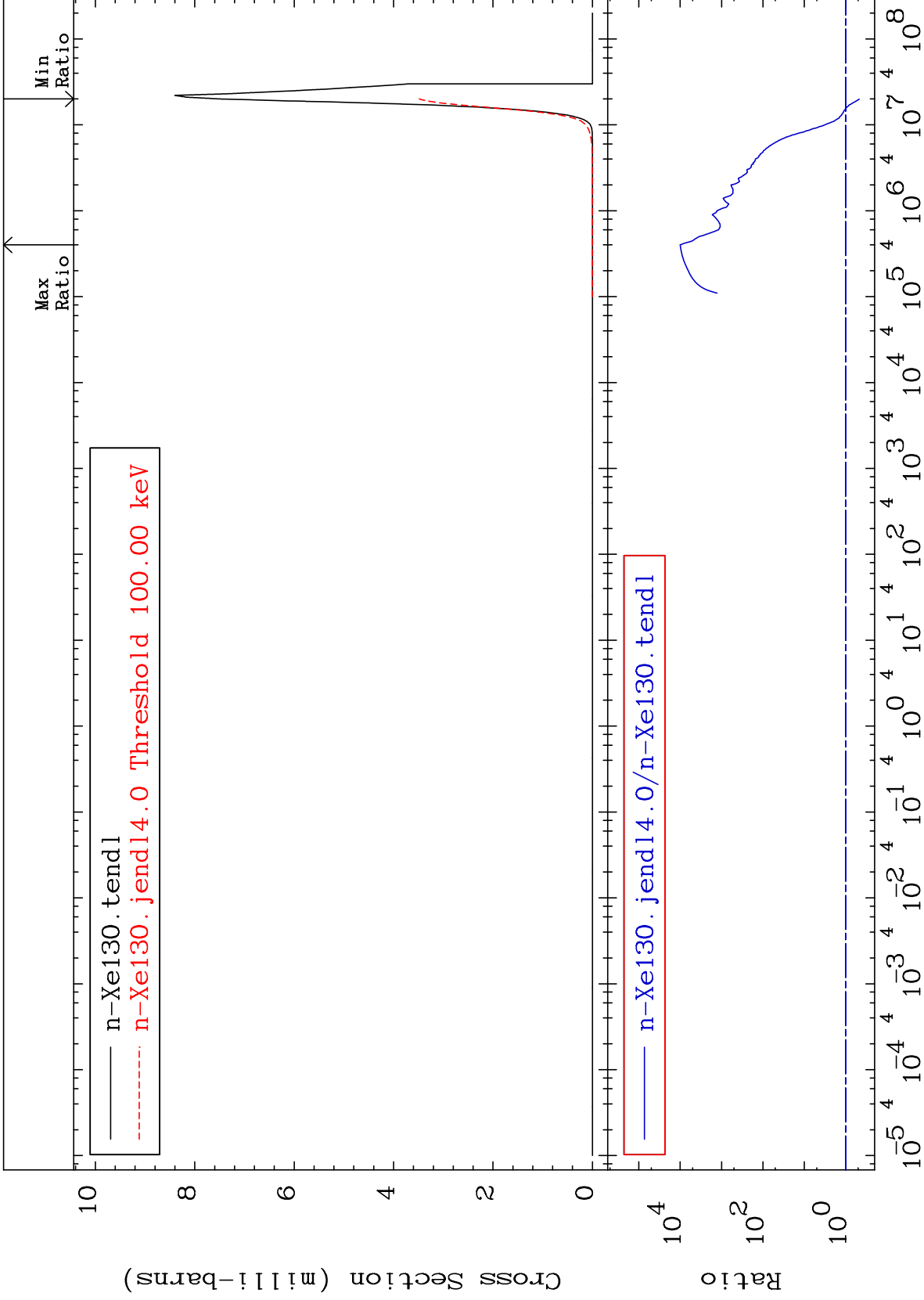
MAT 5443

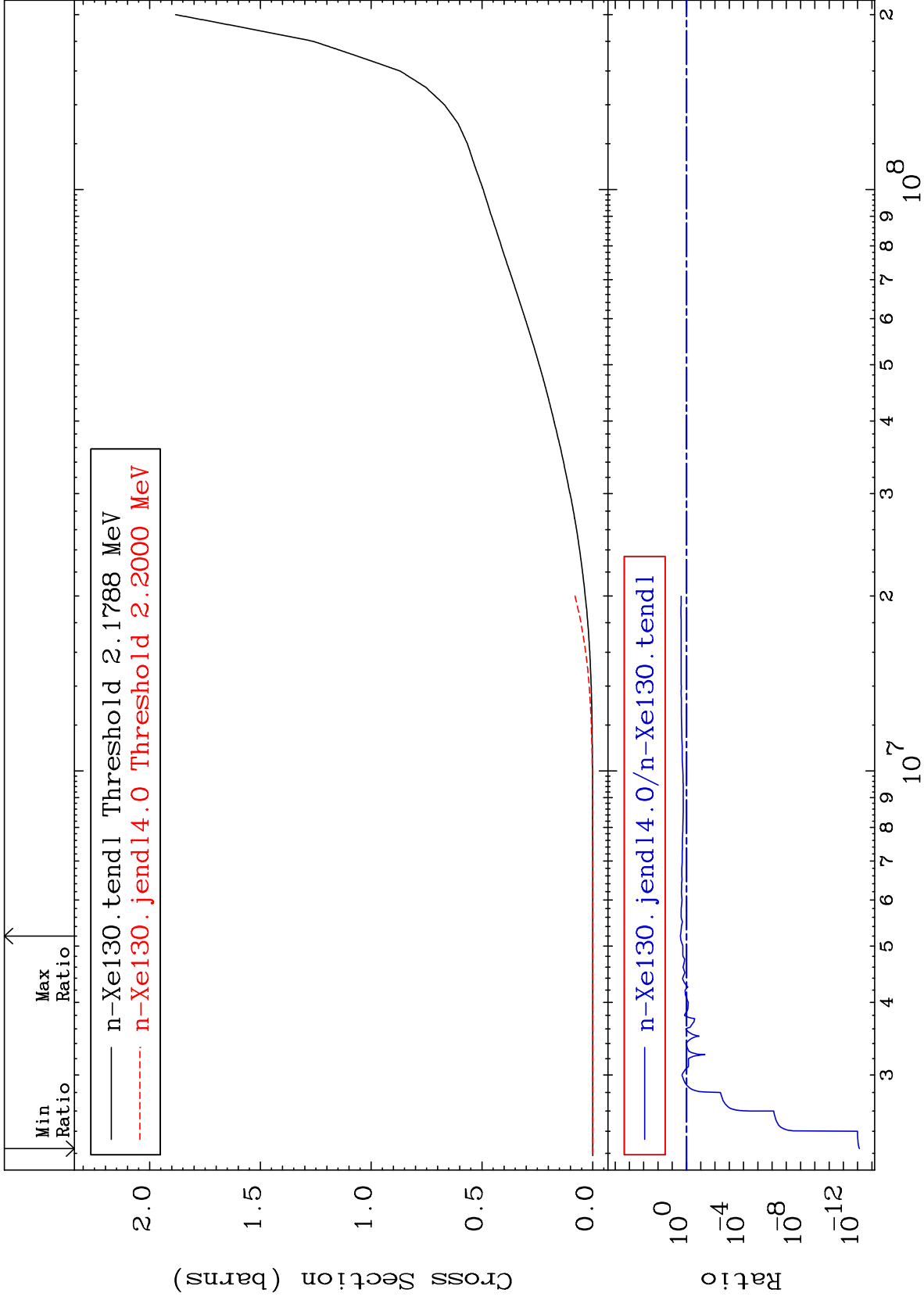
(n,  $\alpha$ )

54-Xe-130

Cross Section

-53.46 To 9999. %

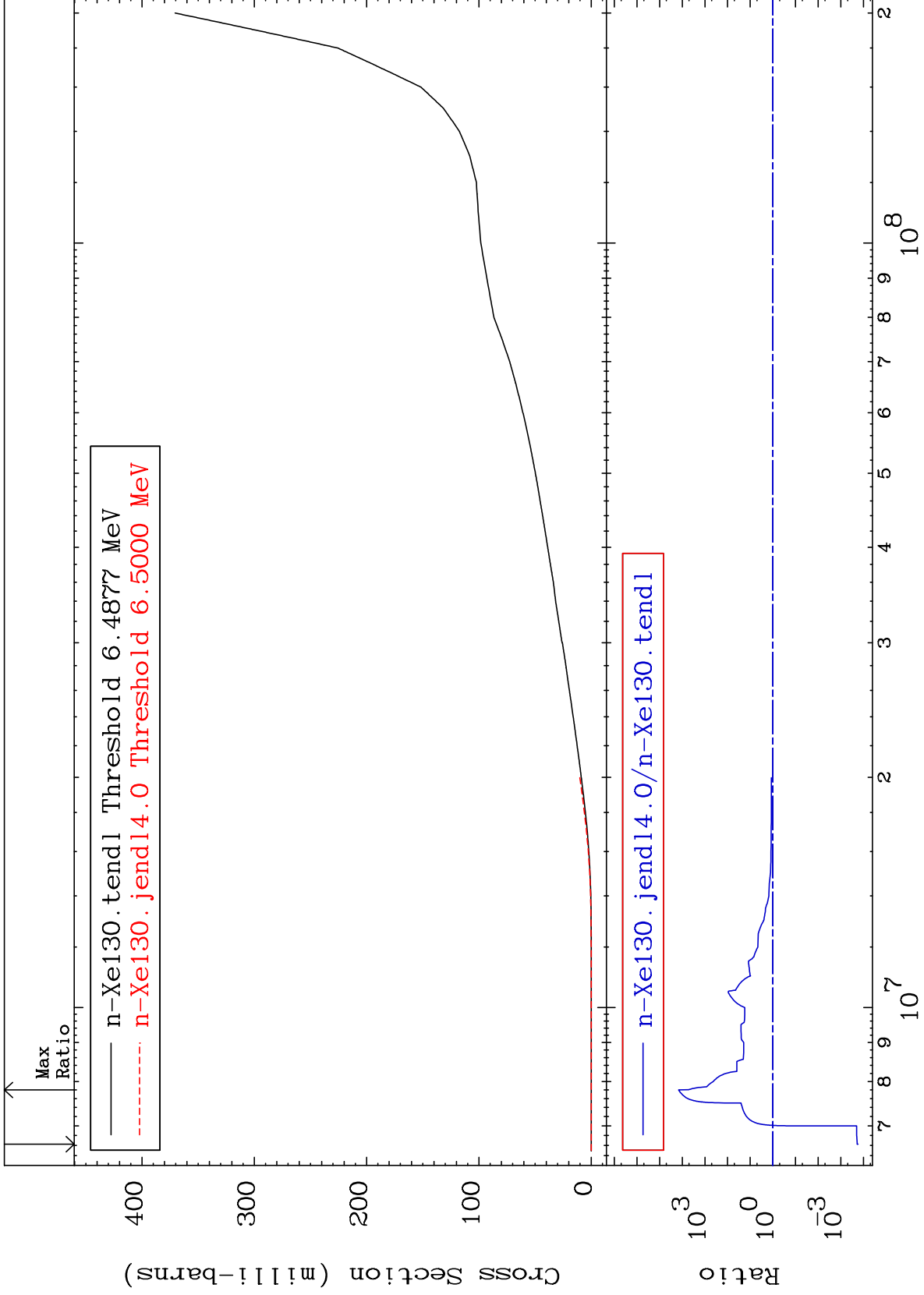




MAT 5443

Deuterium Production  
Cross Section

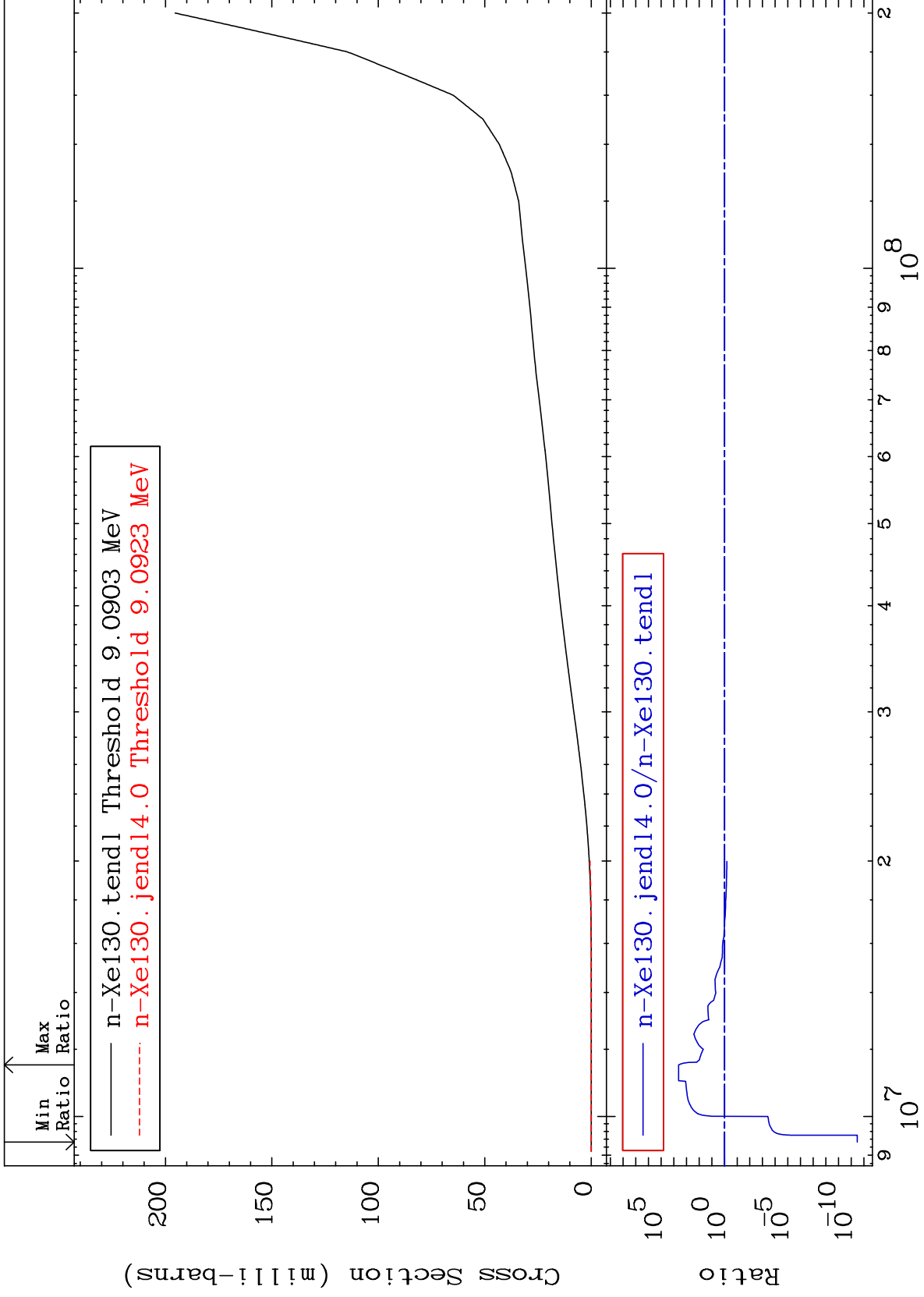
54-Xe-130  
-99.98 To 9999. %



MAT 5443

Tritium Production  
Cross Section

54-Xe-130  
-100.0 To 9999. %



47

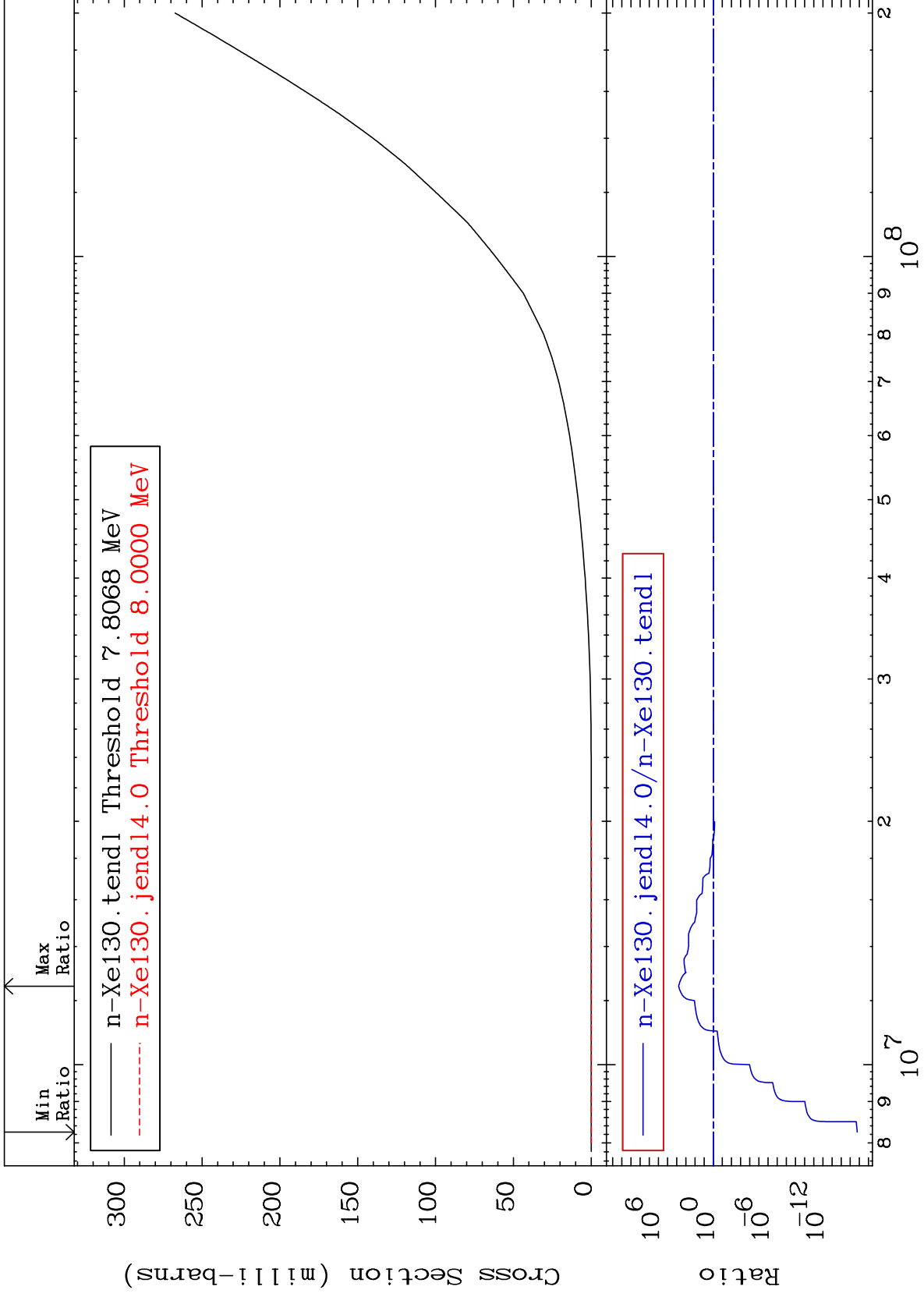
Incident Energy (eV)

54-Xe-130

MAT 5443

He-3 Production  
Cross Section

54-Xe-130  
-100.0 To 9999. %

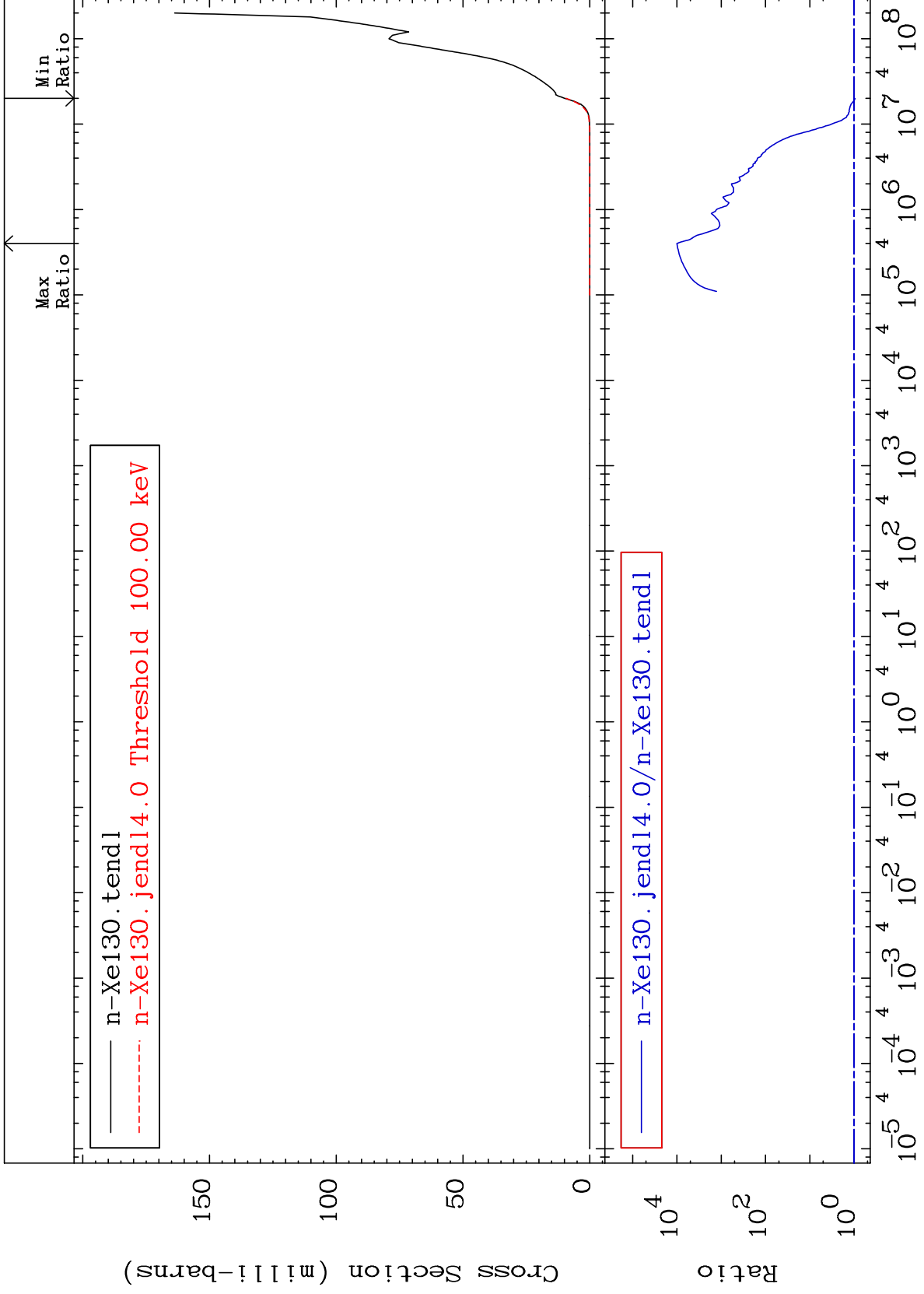




MAT 5443

He-4 Production  
Cross Section

54-Xe-130  
-4.890 To 9999. %



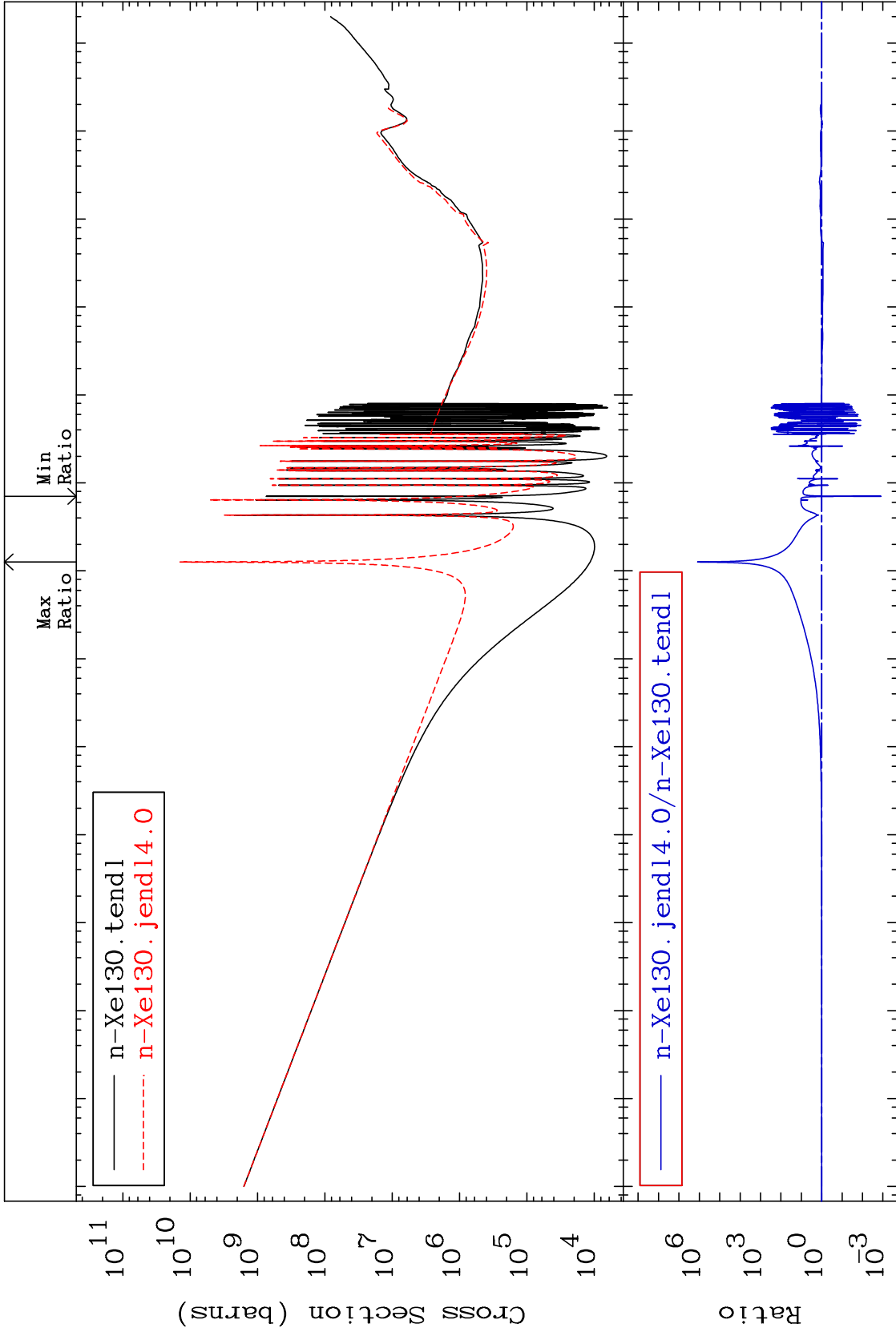
MAT 5443

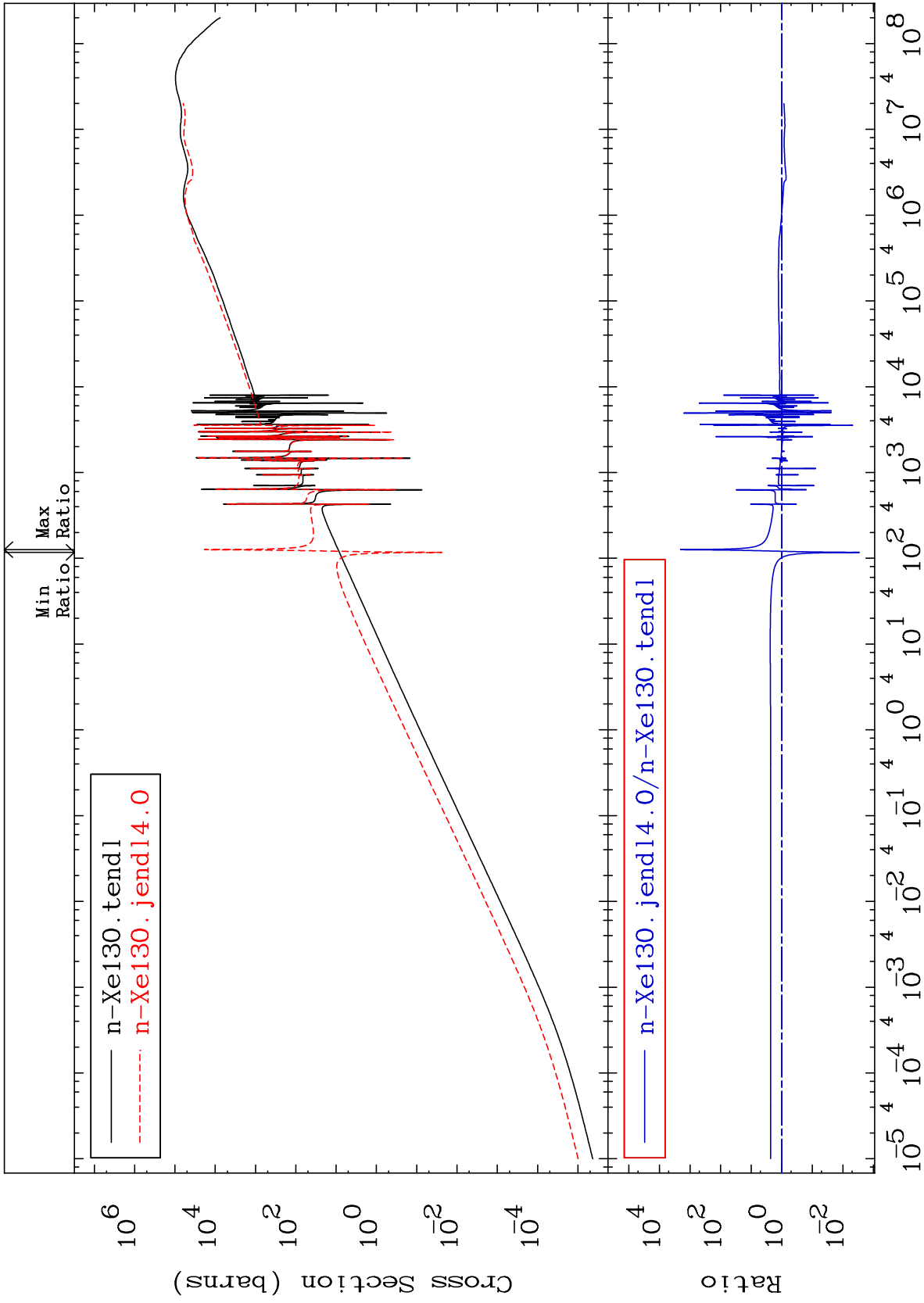
Kerma total (eV-barns)

54-Xe-130

Cross Section

-99.88 To 9999. %

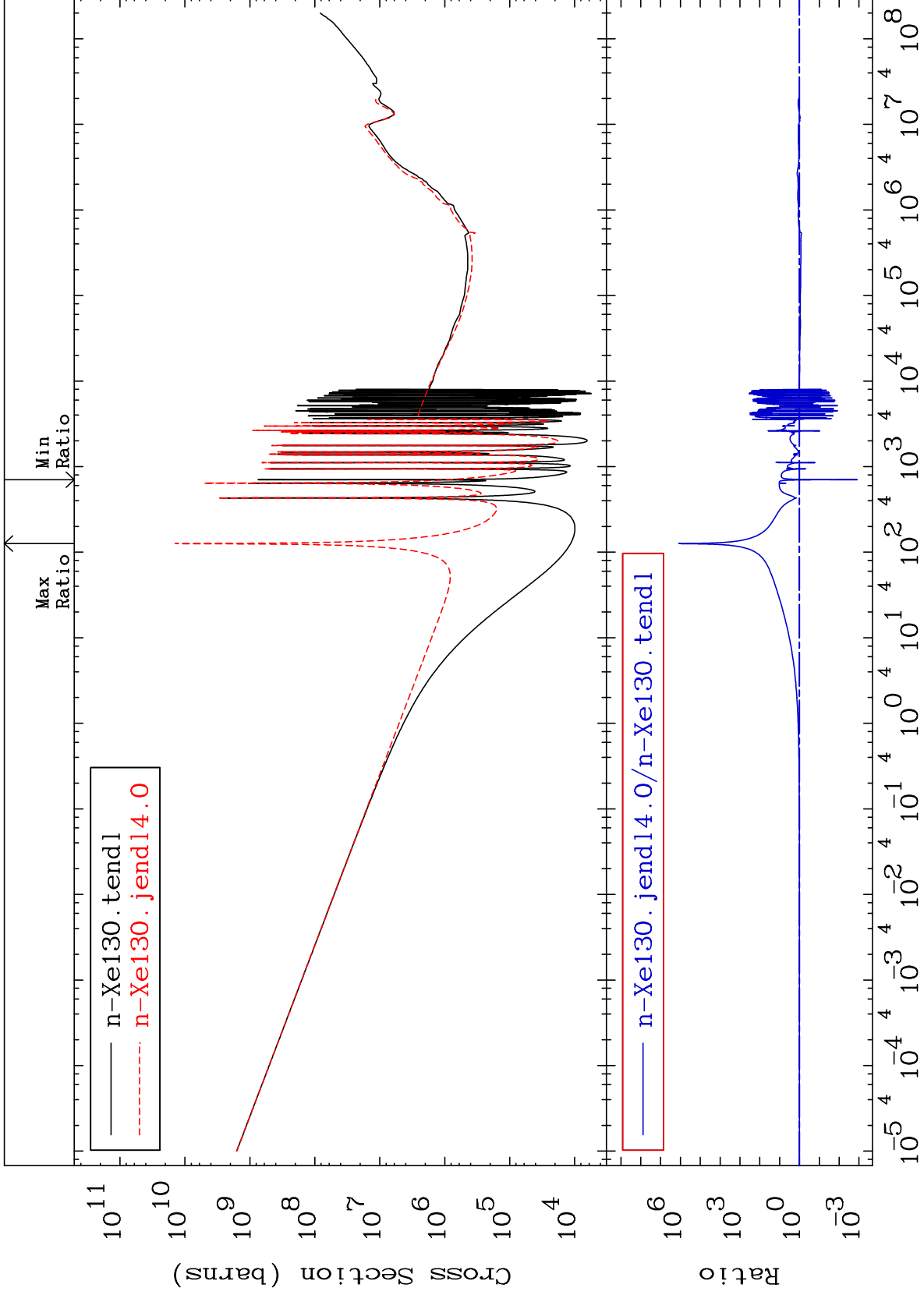




MAT 5443

Kerma non-elastic (all but mt2)  
Cross Section

54-Xe-130  
-99.88 To 9999. %



52

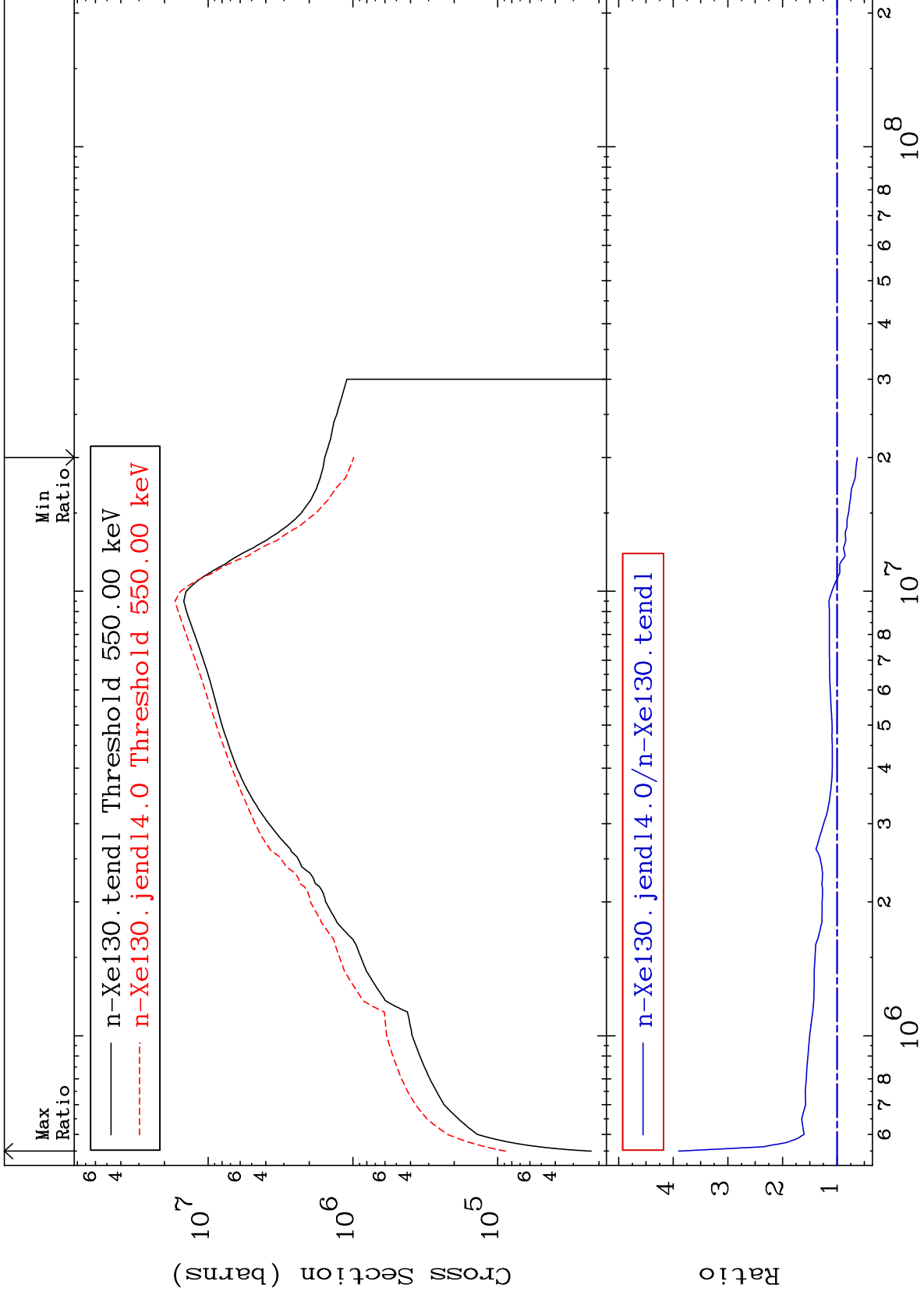
Incident Energy (eV)

54-Xe-130

MAT 5443

Kerma inelastic (mt51-91)  
Cross Section

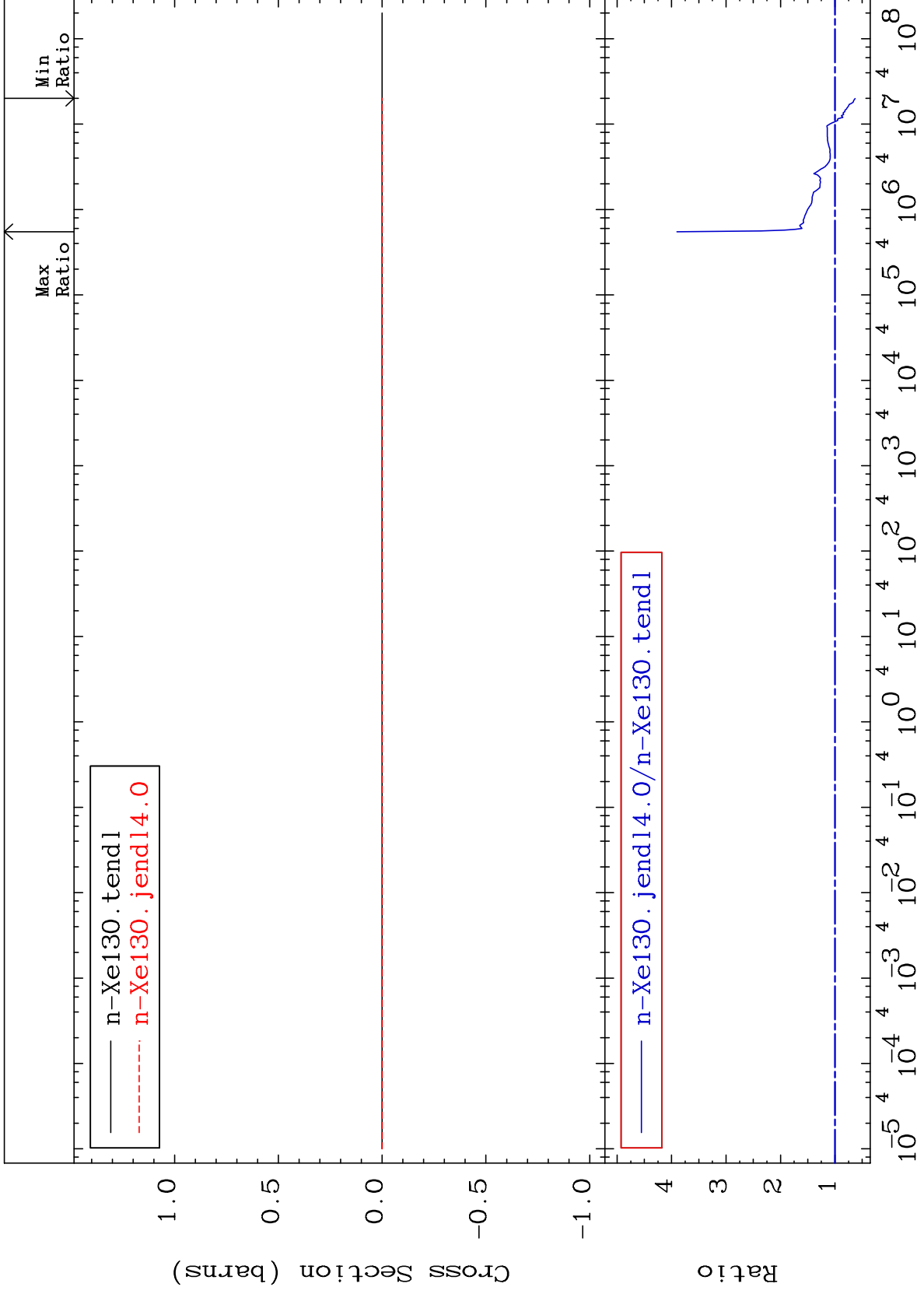
54-Xe-130  
-36.92 To 290.2 %



MAT 5443

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

54-Xe-130  
-36.92 To 290.2 %



54

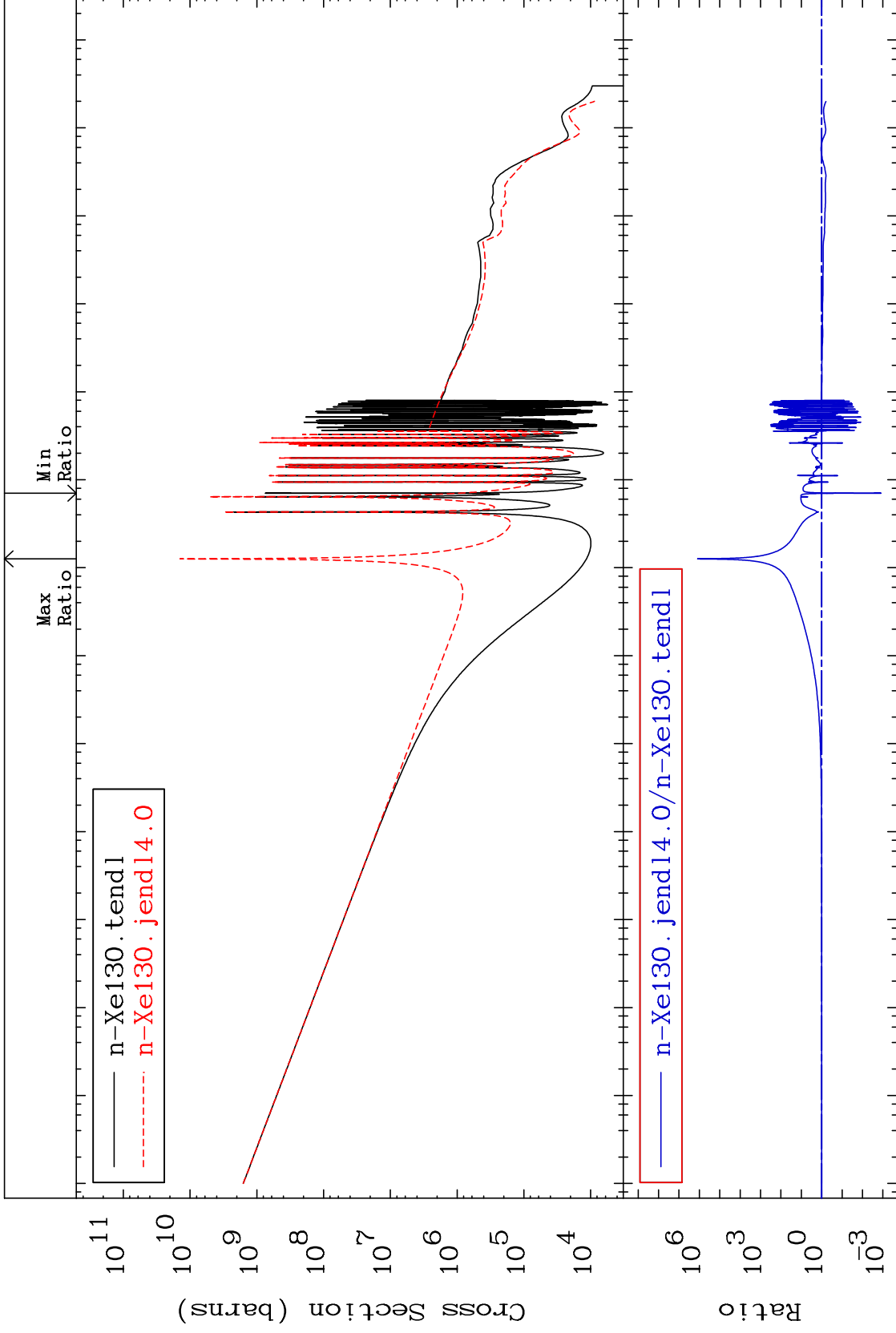
Incident Energy (eV)

54-Xe-130

MAT 5443

Kerma capture (mt102)  
Cross Section

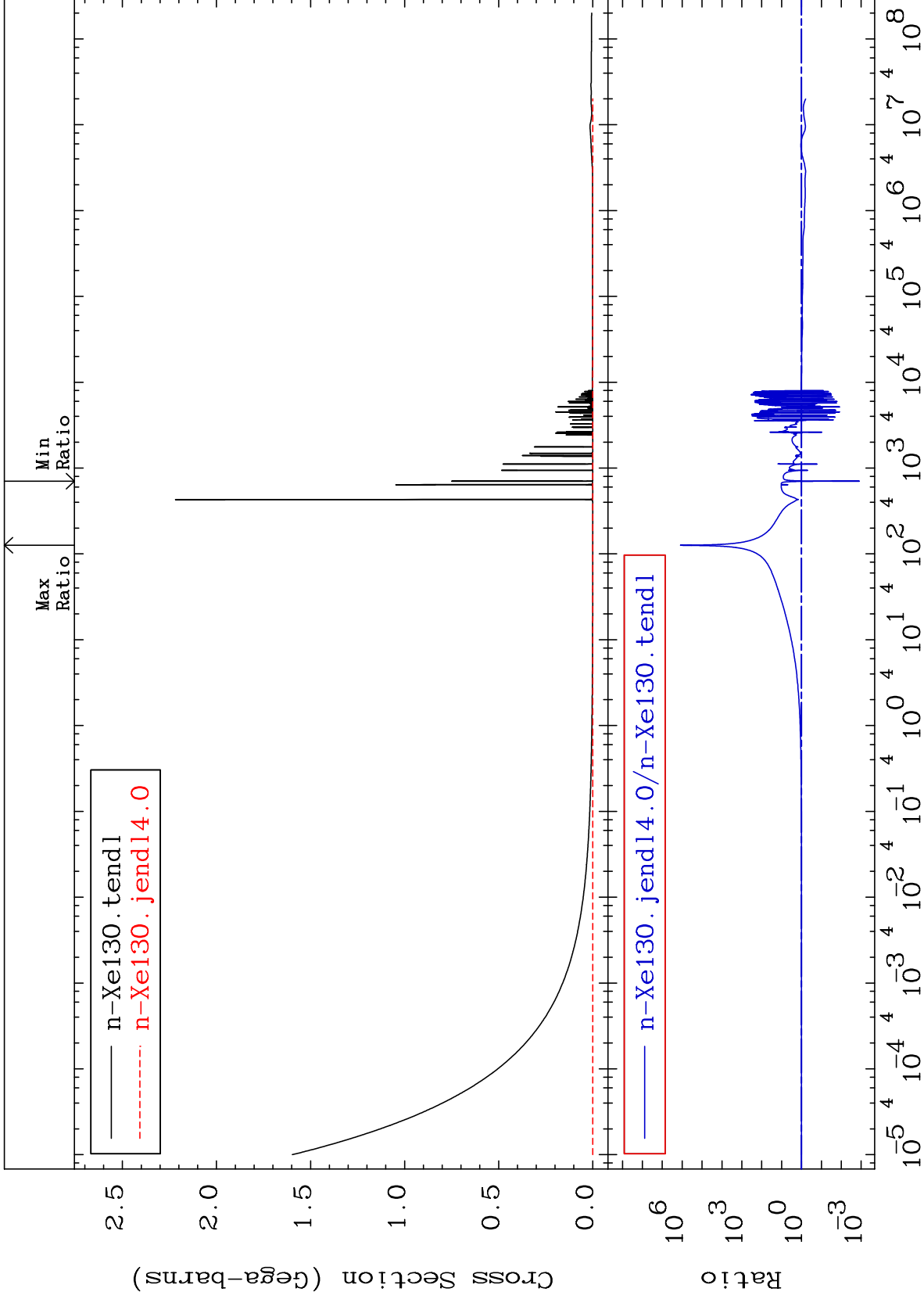
54-Xe-130  
-99.88 To 9999. %



55

Incident Energy (eV)

54-Xe-130





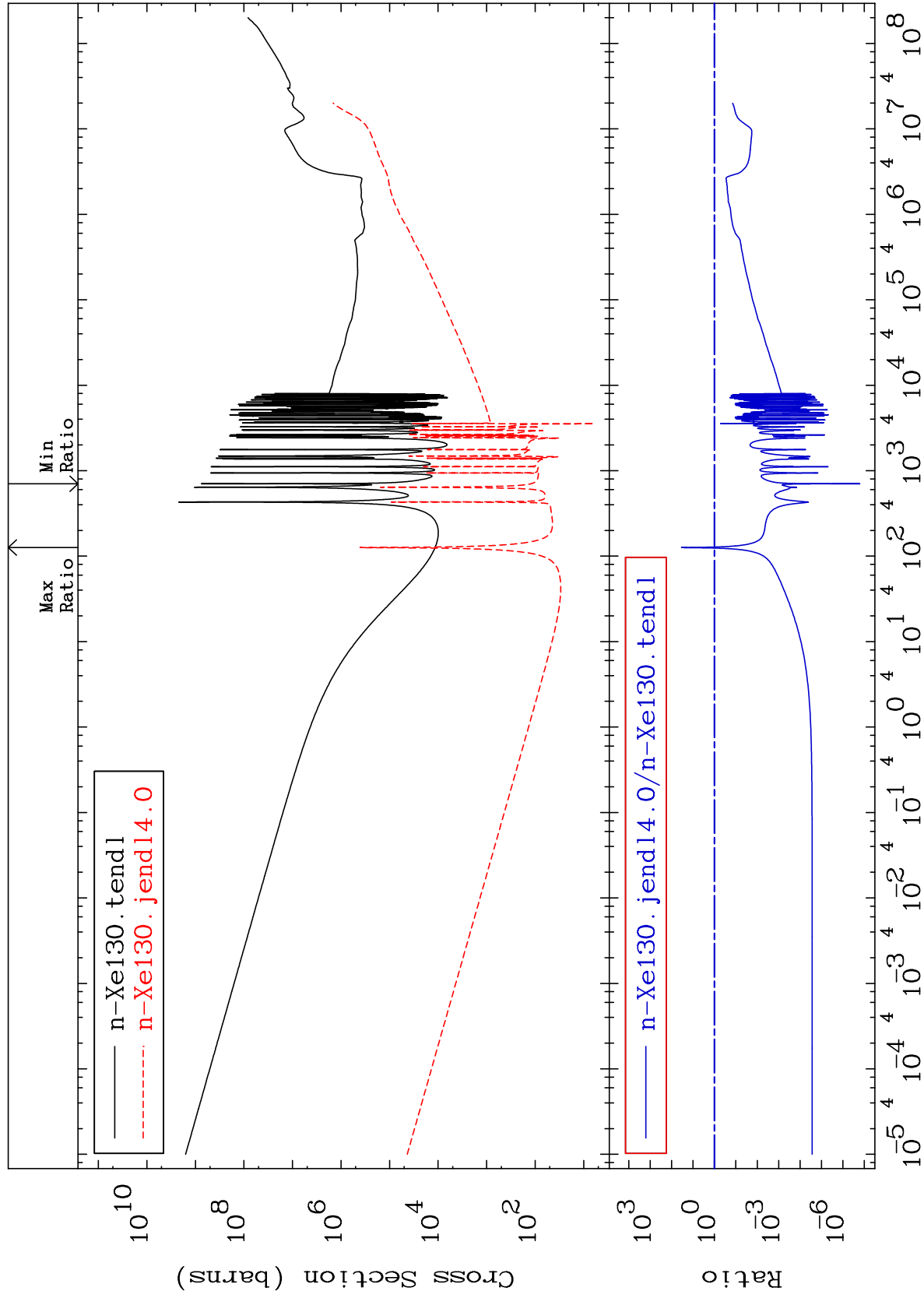
MAT 5443

Total kinematic kerma (high limit)

54-Xe-130

-100.0 To 3404. %

Cross Section



57

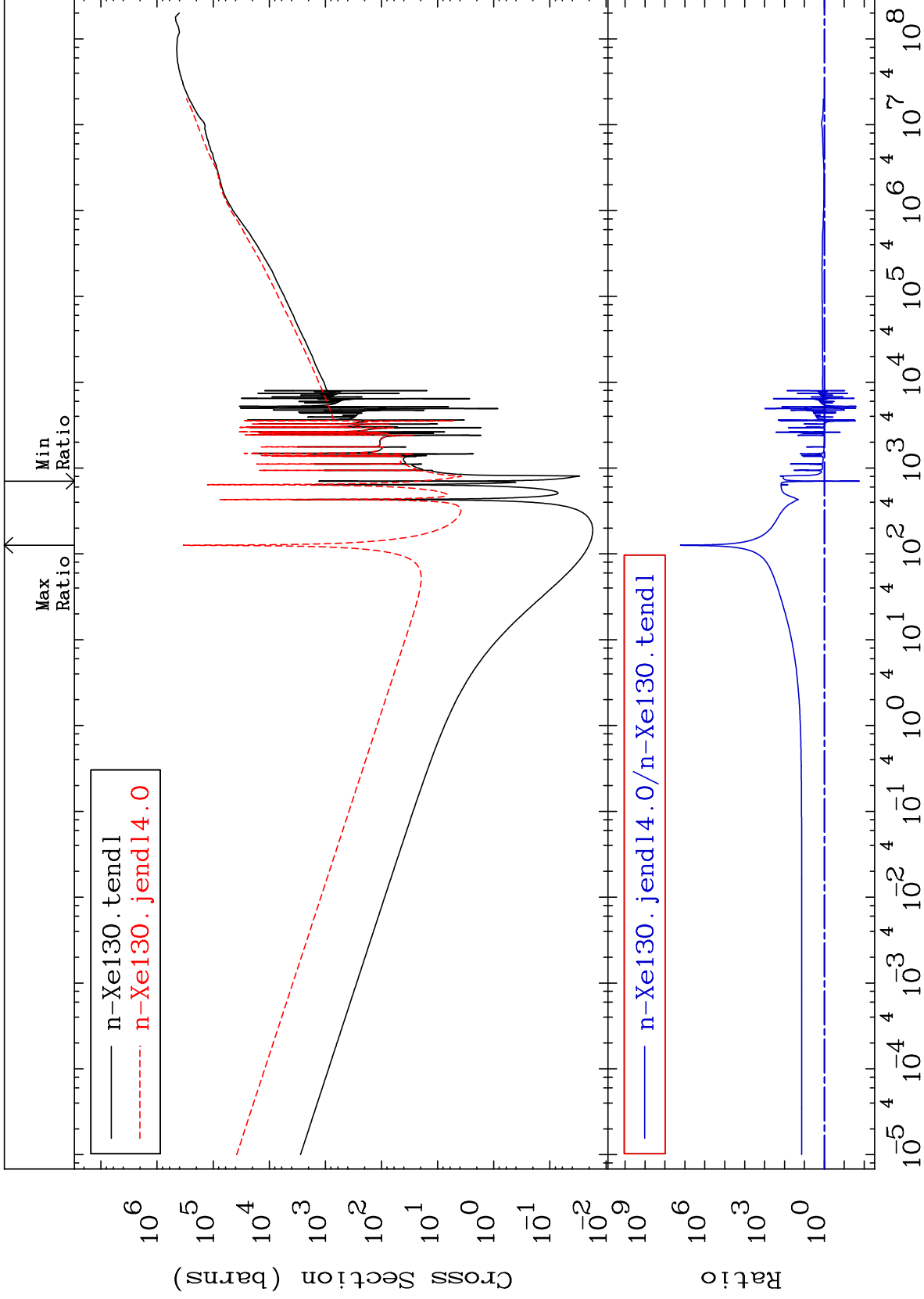
Incident Energy (eV)

54-Xe-130

MAT 5443

Dpa total (eV-barns)  
Cross Section

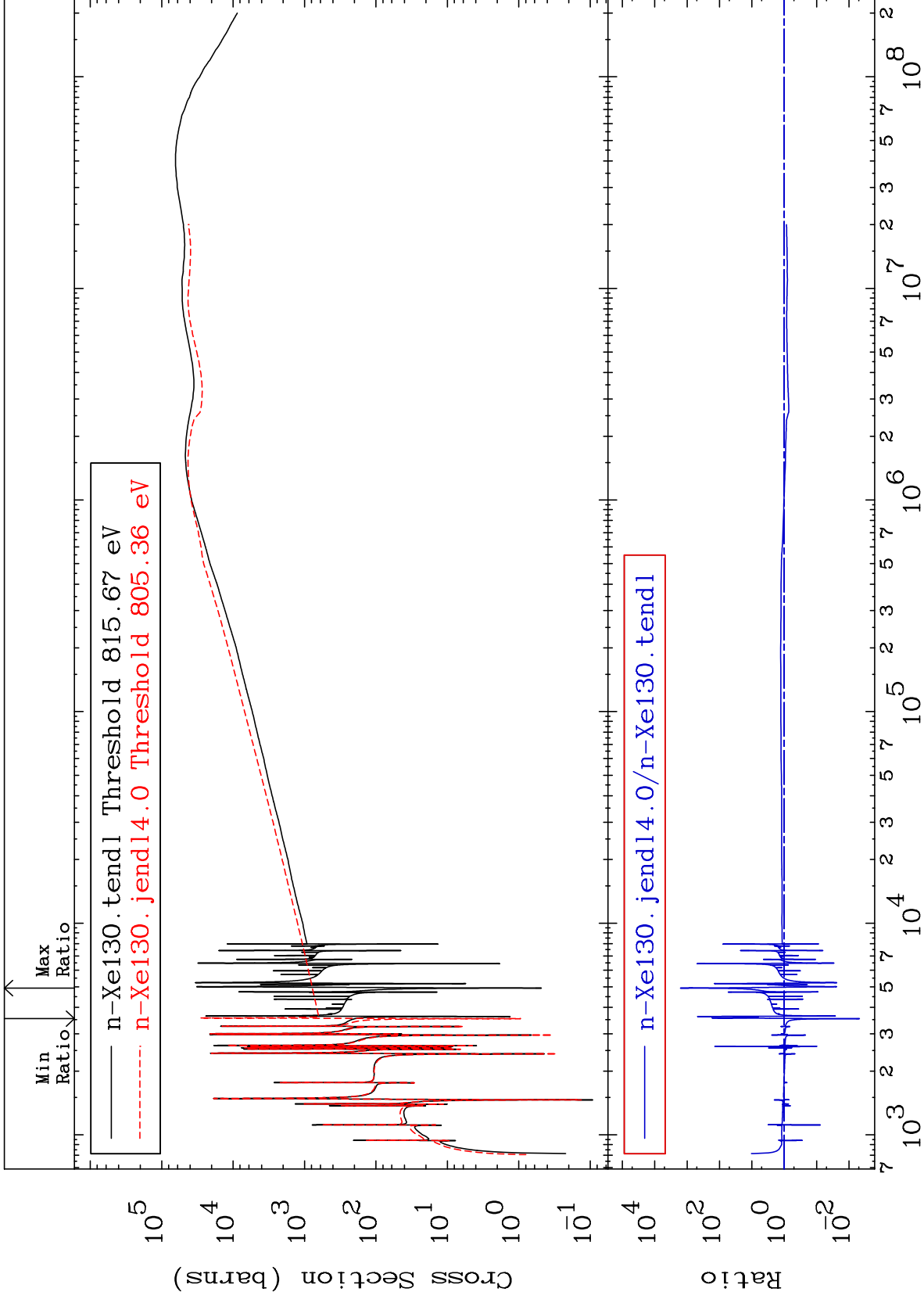
54-Xe-130  
-98.27 To 9999. %



MAT 5443

Dpa elastic (mt2)  
Cross Section

54-Xe-130  
-99.52 To 9999. %



59

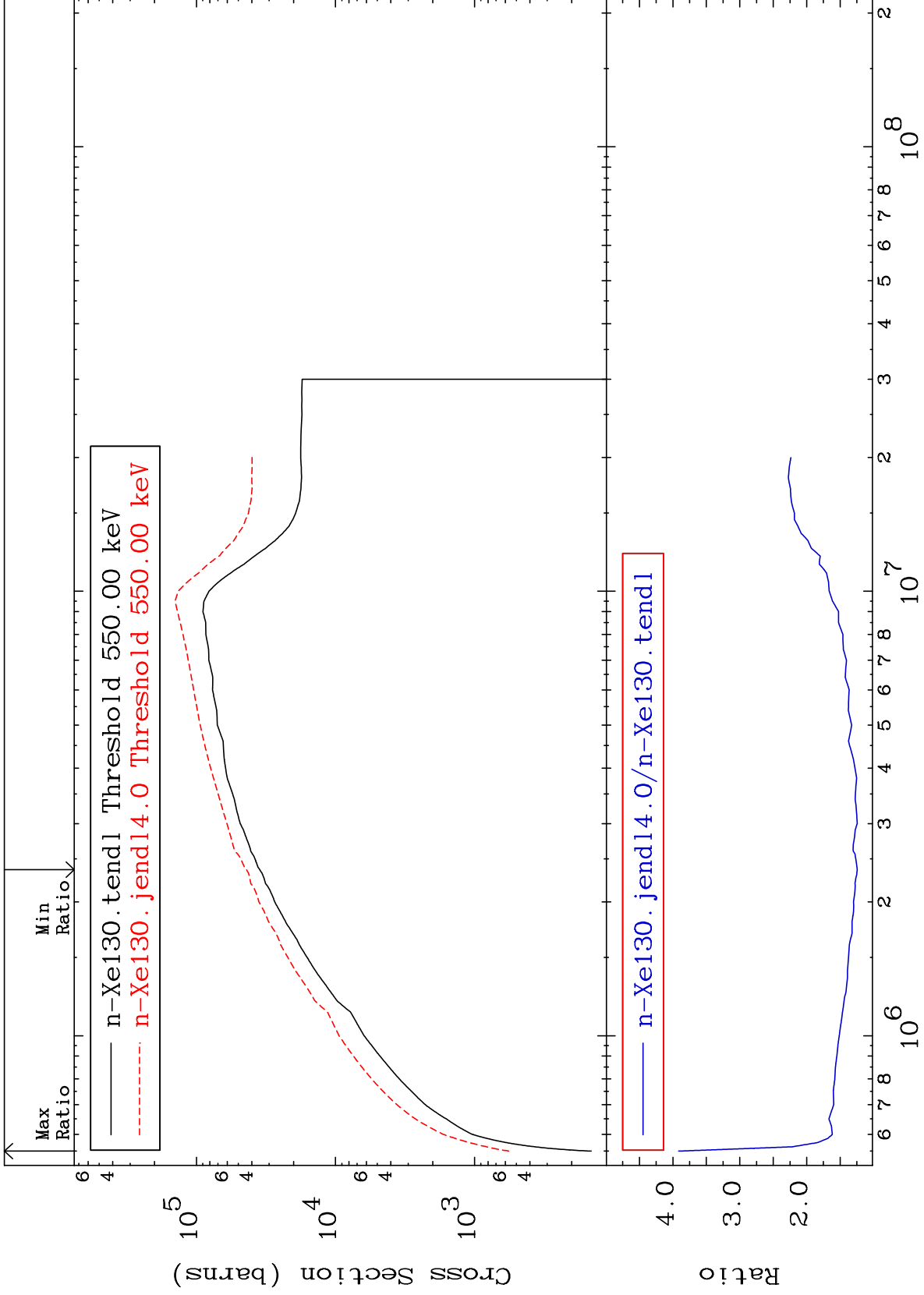
Incident Energy (eV)

54-Xe-130

MAT 5443

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-130  
24.49 To 291.4 %



60

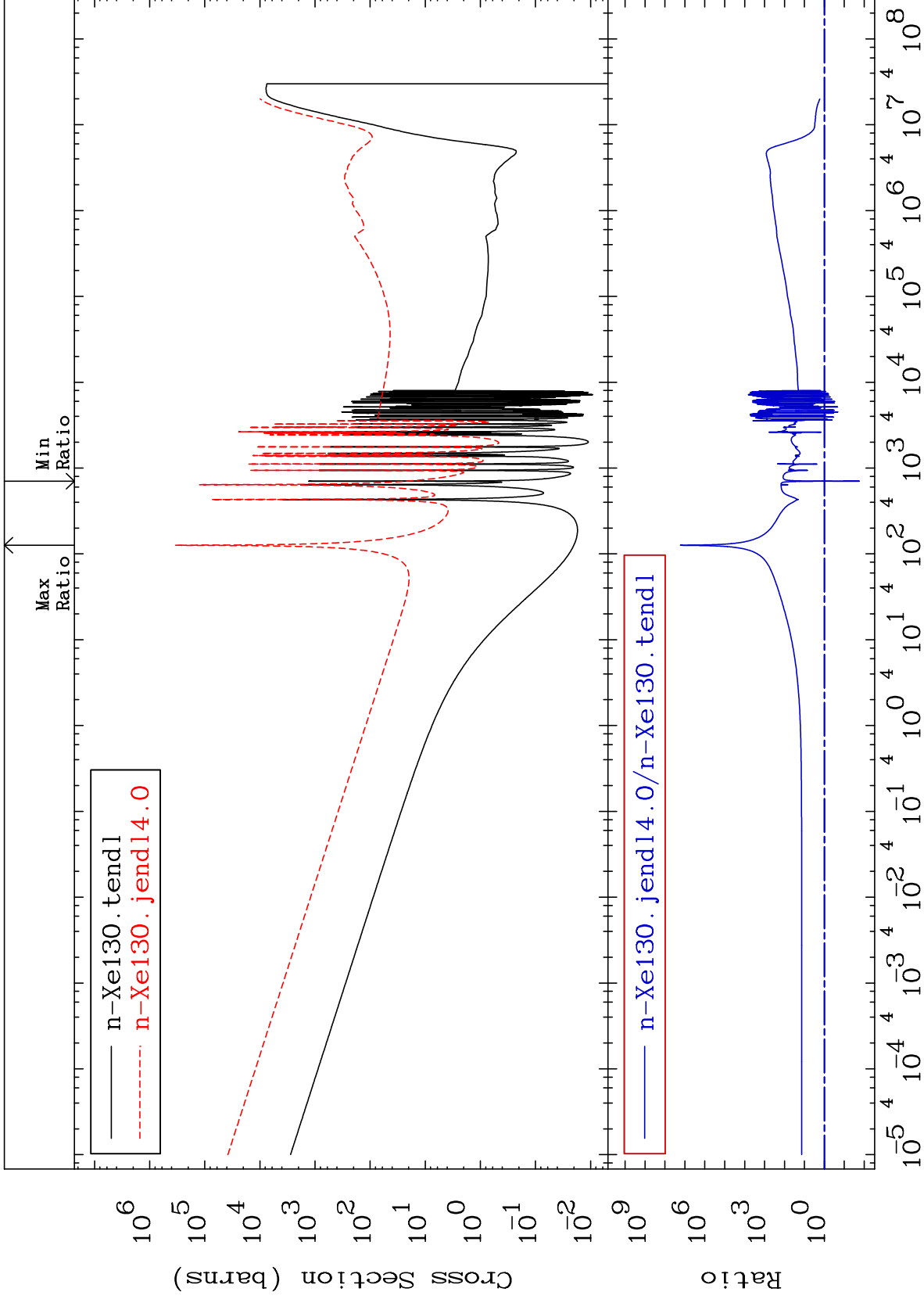
Incident Energy (eV)

54-Xe-130

MAT 5443

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-130  
-98.27 To 9999. %



61

Incident Energy (eV)

54-Xe-130