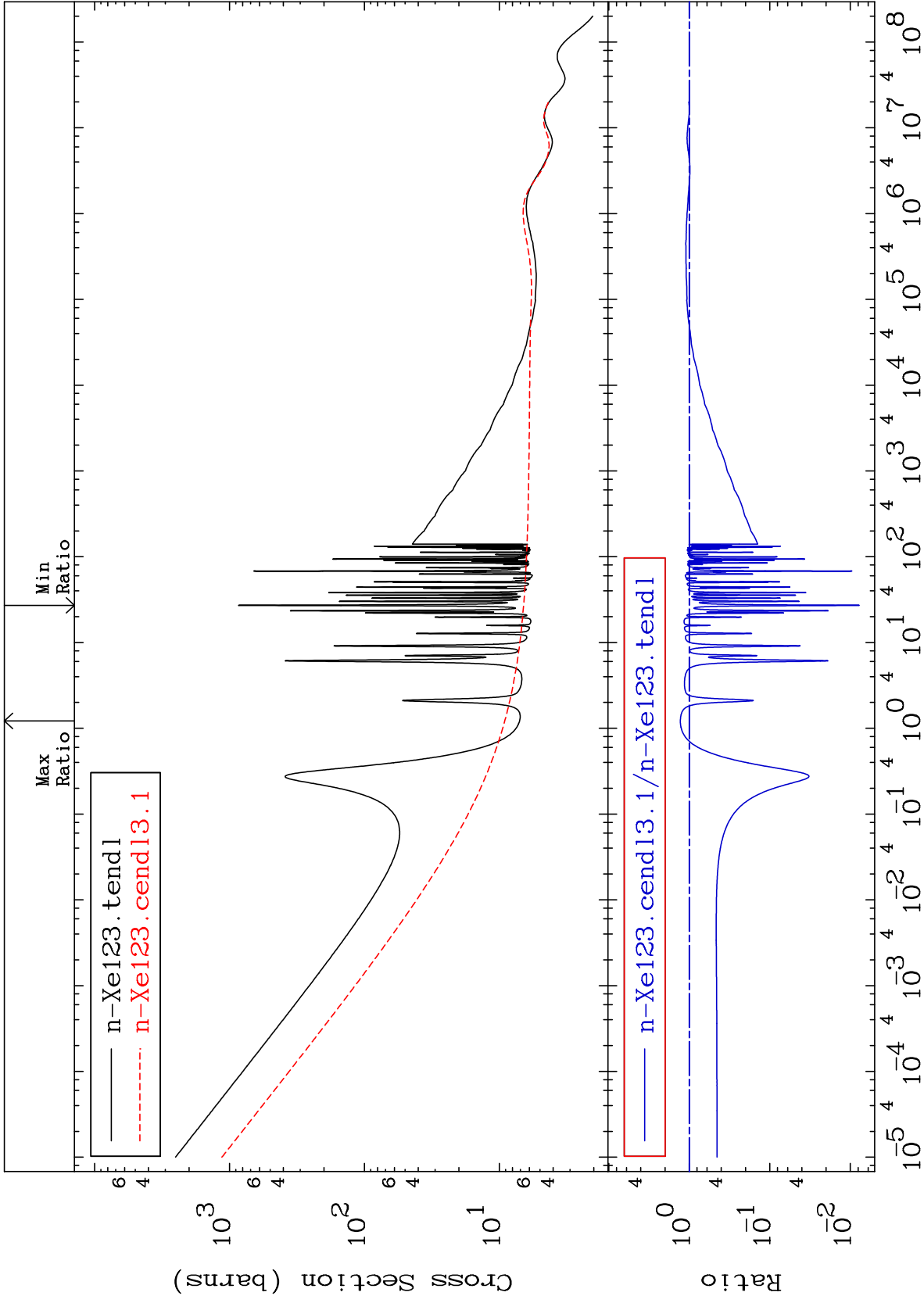


MAT 5422

54-Xe-123

-99.23 To 28.90 %

Total
Cross Section



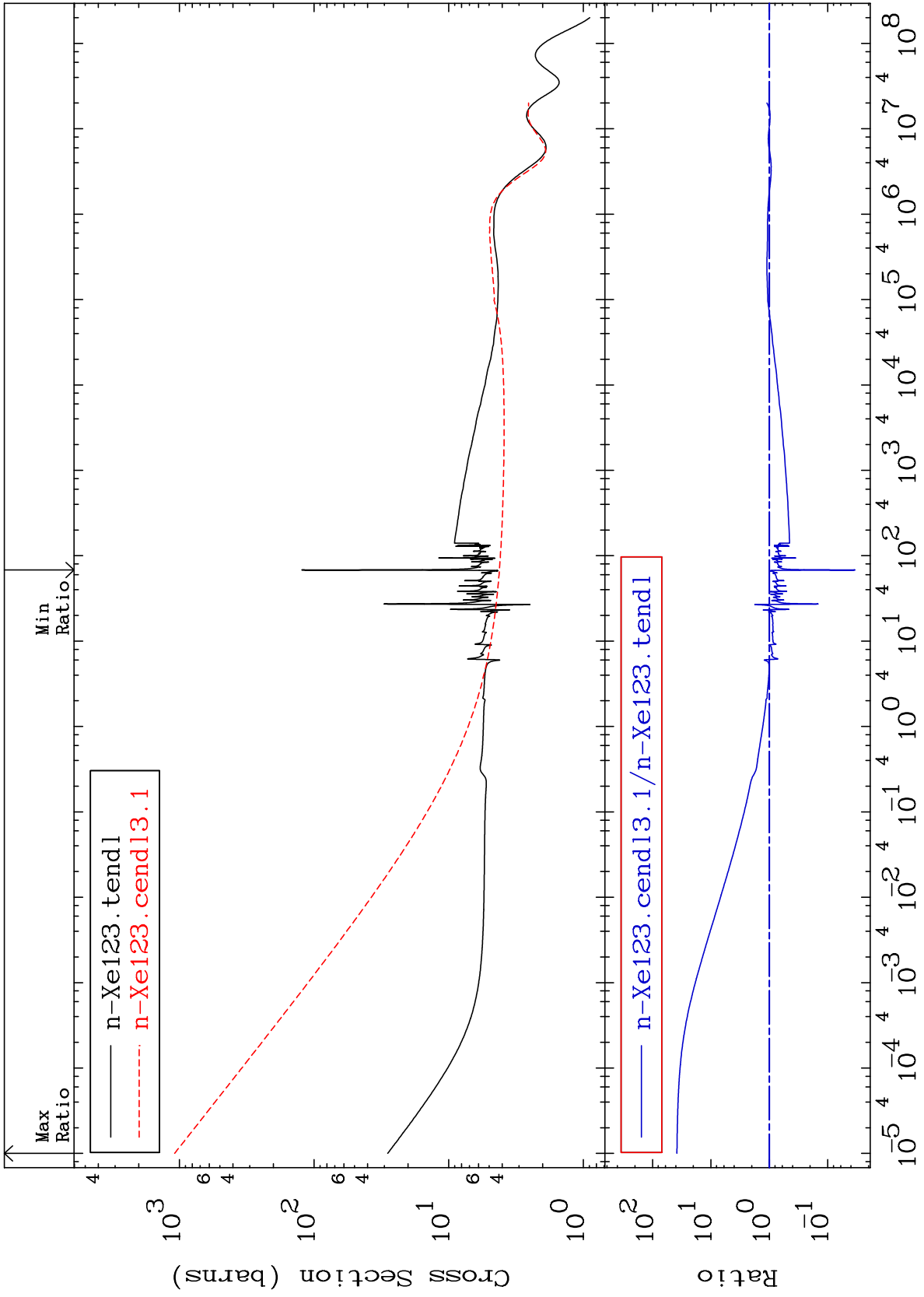
Incident Energy (eV)

54-Xe-123

MAT 5422

Elastic
Cross Section

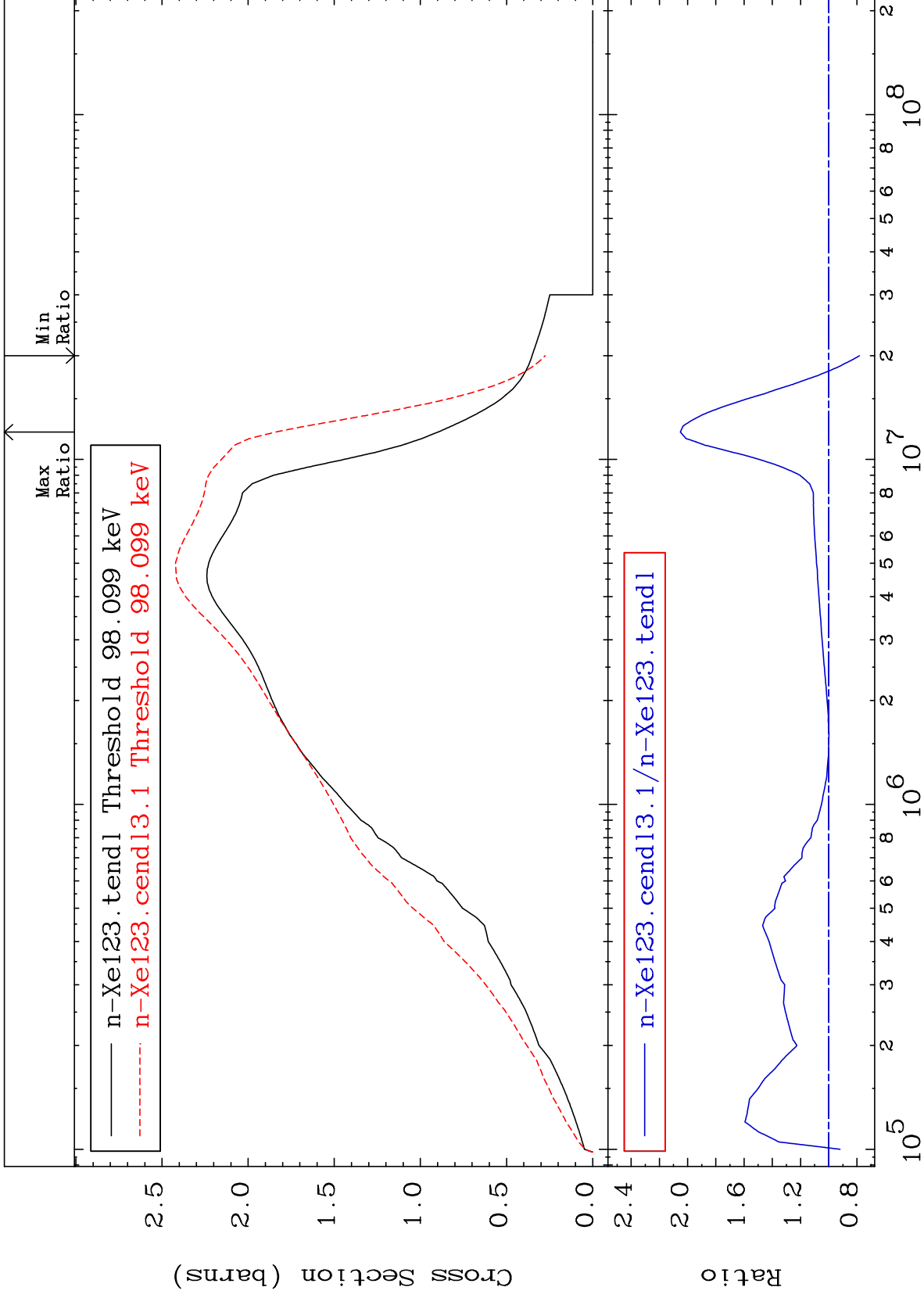
54-Xe-123
-96.60 To 3720. %



MAT 5422

Inelastic
Cross Section

54-Xe-123
-21.74 To 105.1 %

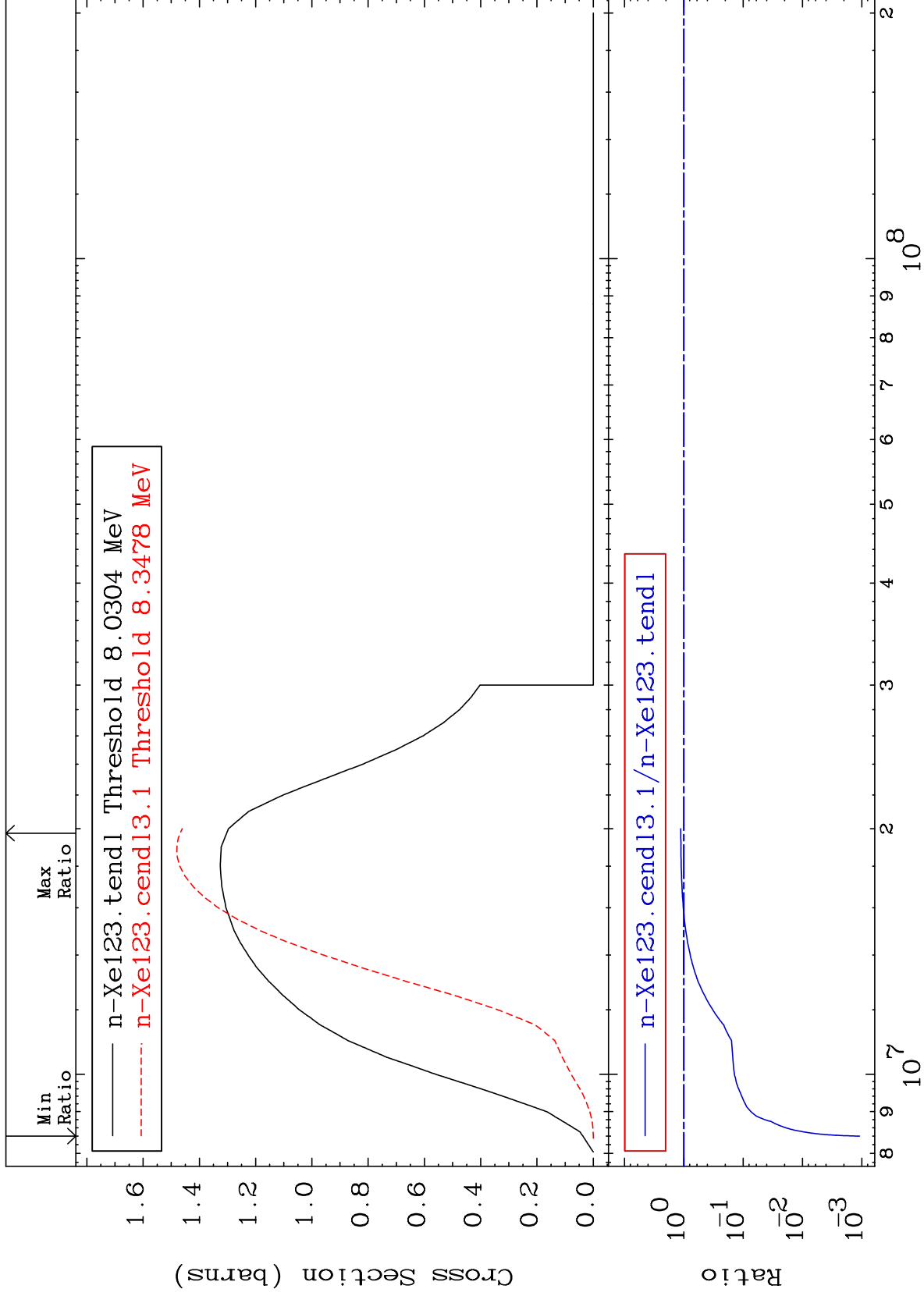


54-Xe-123

MAT 5422

(n,2n)
Cross Section

54-Xe-123
-99.89 To 12.70 %



4

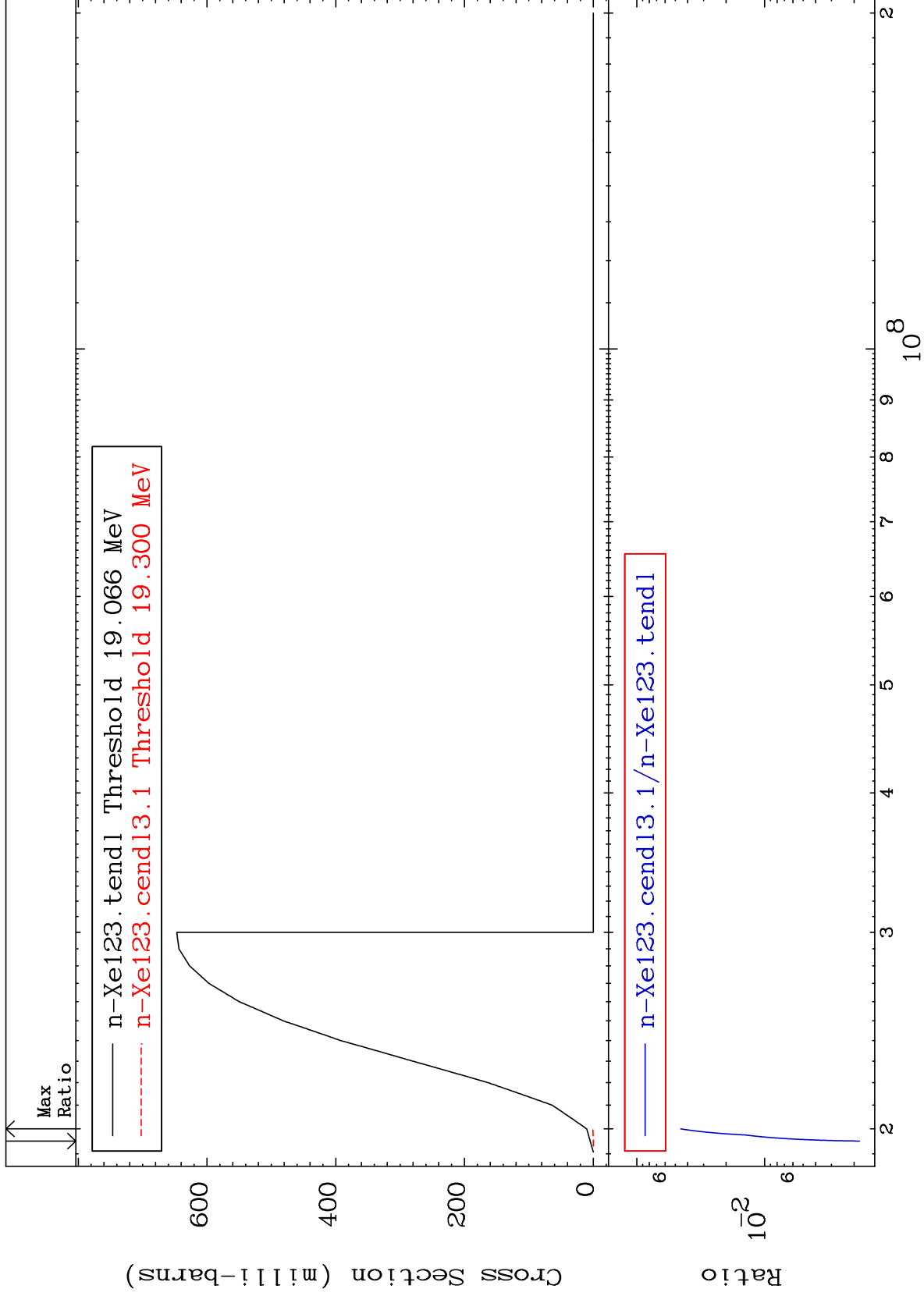
Incident Energy (eV)

54-Xe-123

MAT 5422

(n,3n)
Cross Section

54-Xe-123
-99.82 To -95.47%



5

Incident Energy (eV)

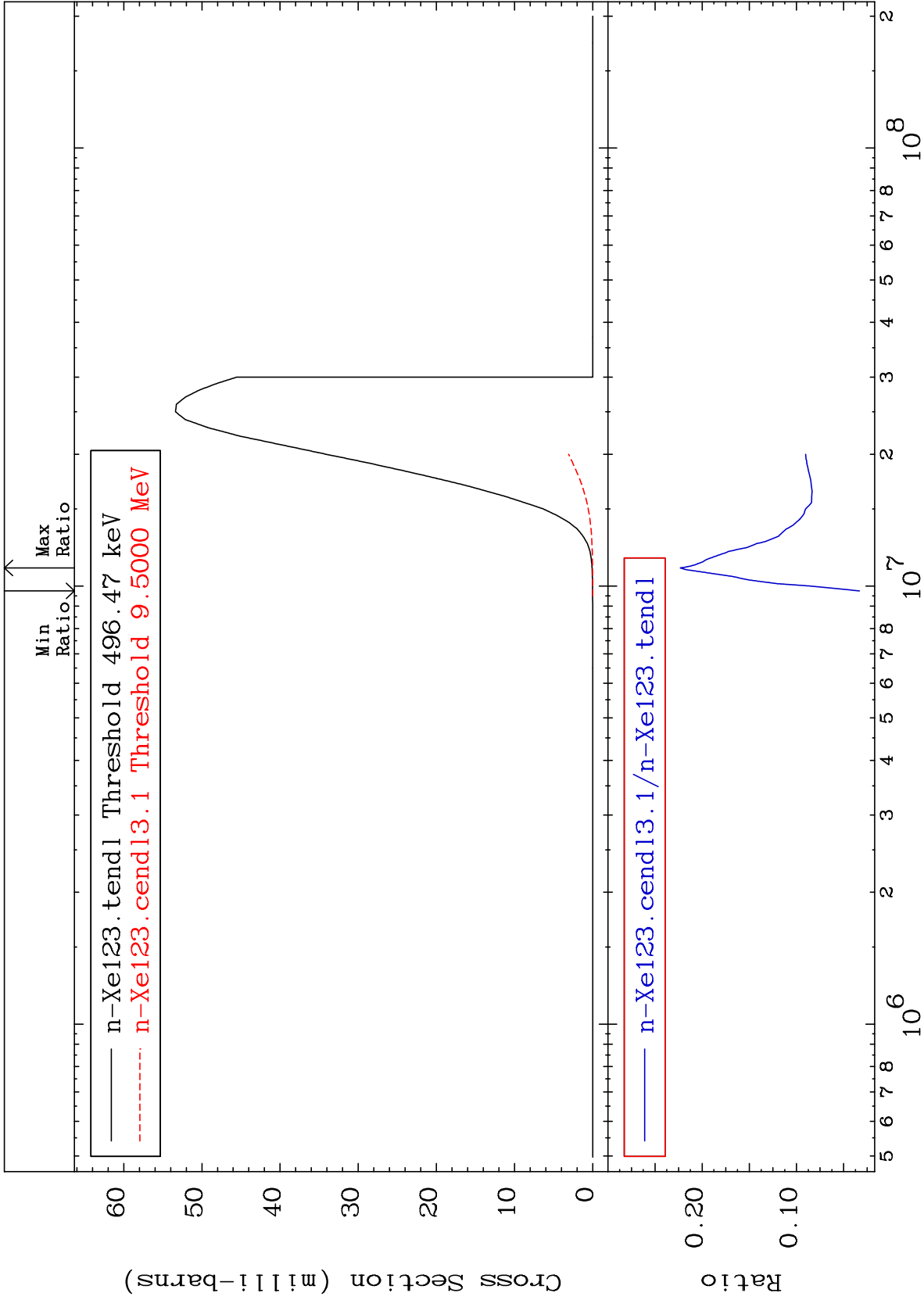
54-Xe-123

MAT 5422

54-Xe-123

-96.67 To -77.69%

(n, n') α
Cross Section



6

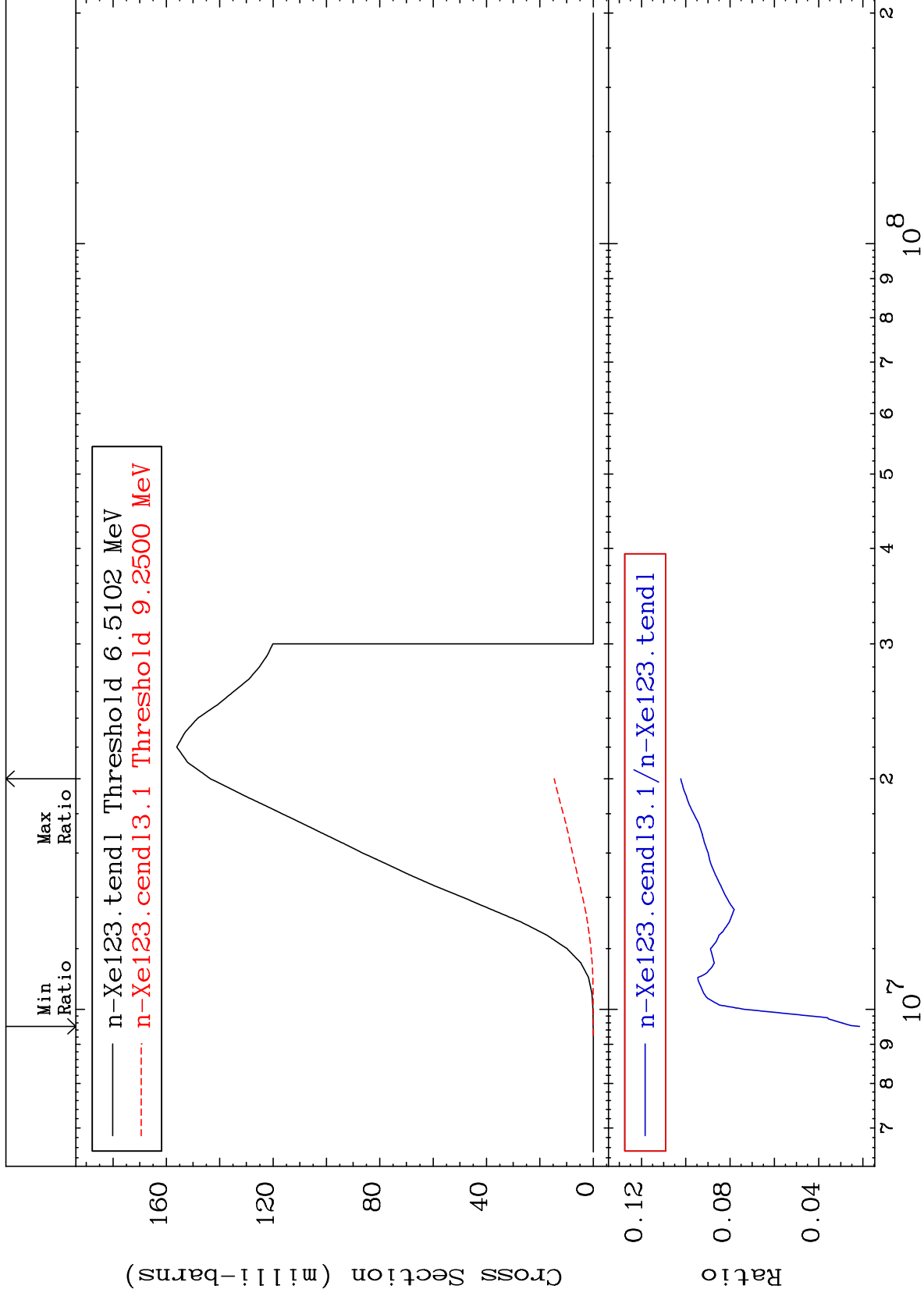
Incident Energy (eV)

54-Xe-123

MAT 5422

(n, n') p
Cross Section

54-Xe-123
-97.85 To -89.77%



7

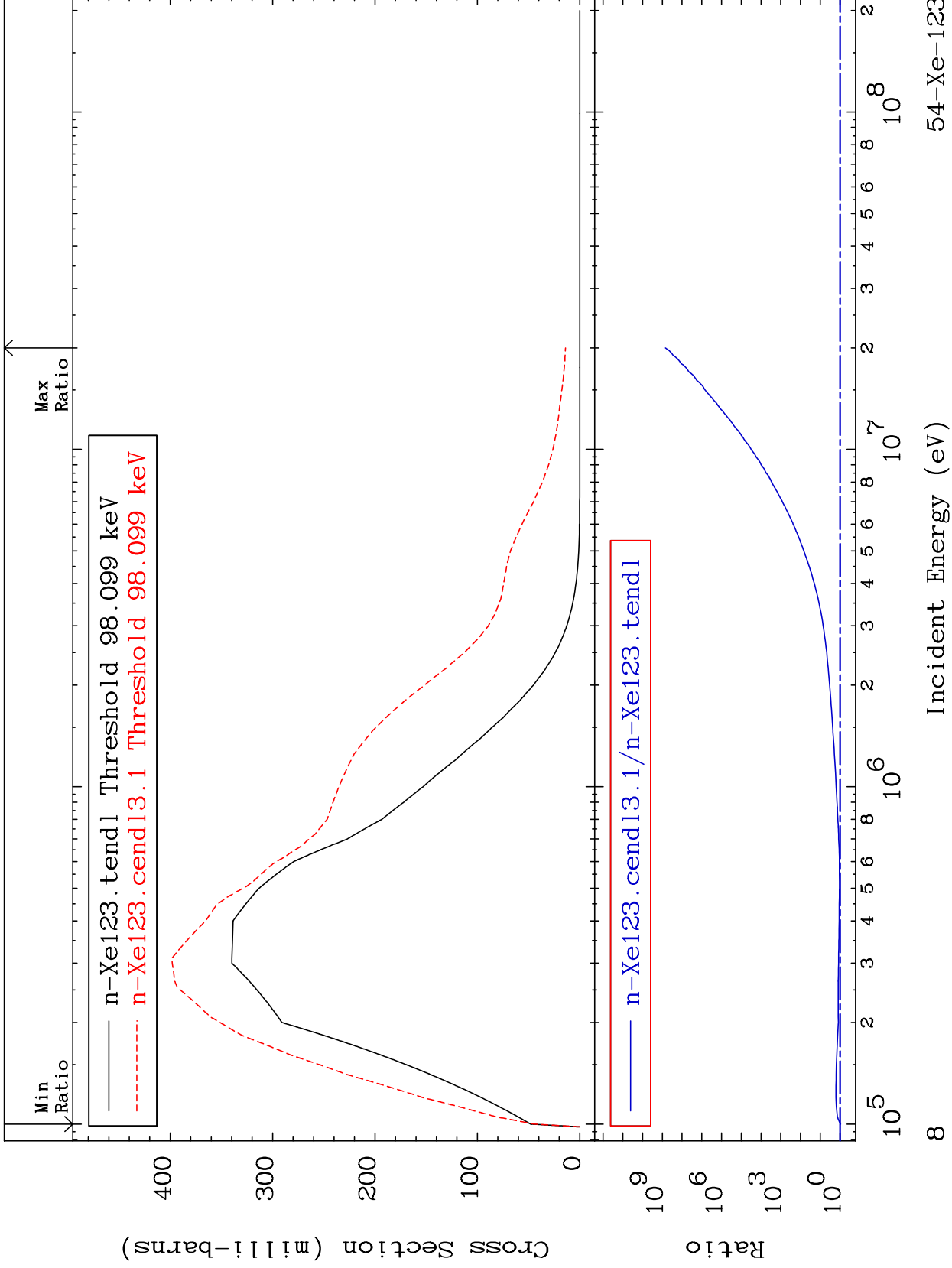
Incident Energy (eV)

54-Xe-123

MAT 5422

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

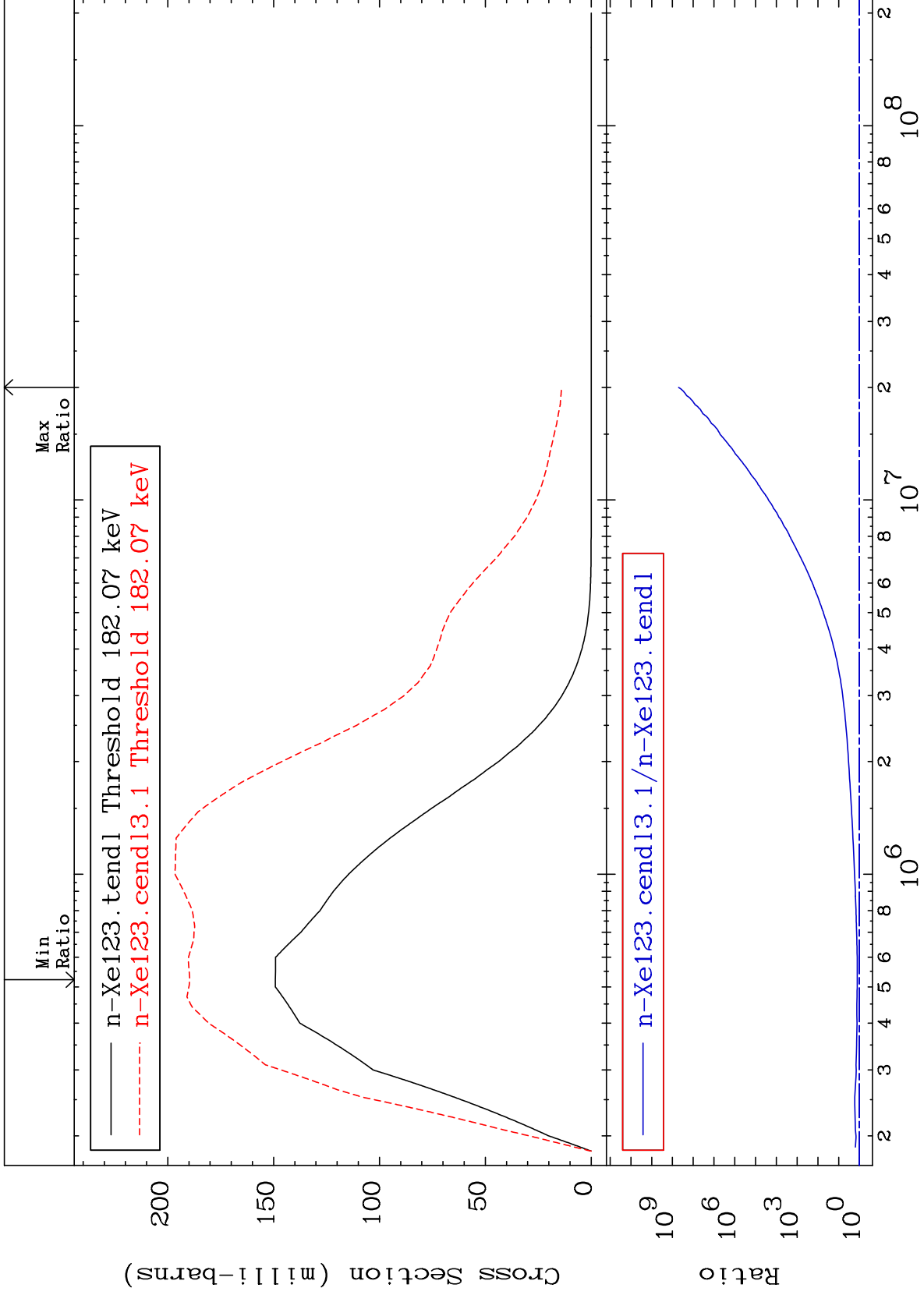
54-Xe-123
-7.937 To 9999. %



MAT 5422

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

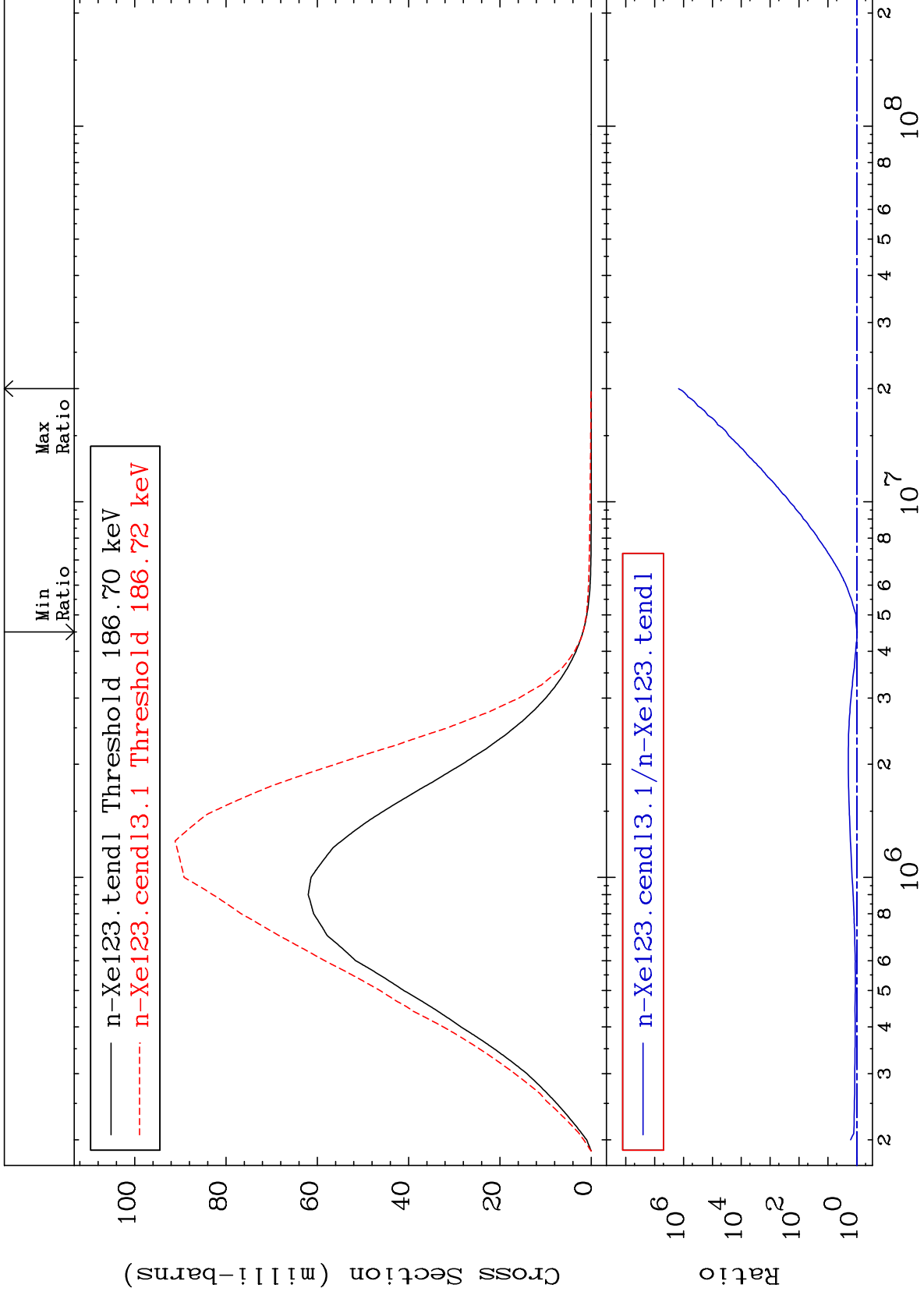
54-Xe-123
27.14 To 9999. %



MAT 5422

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

54-Xe-123
-3.404 To 9999. %



10

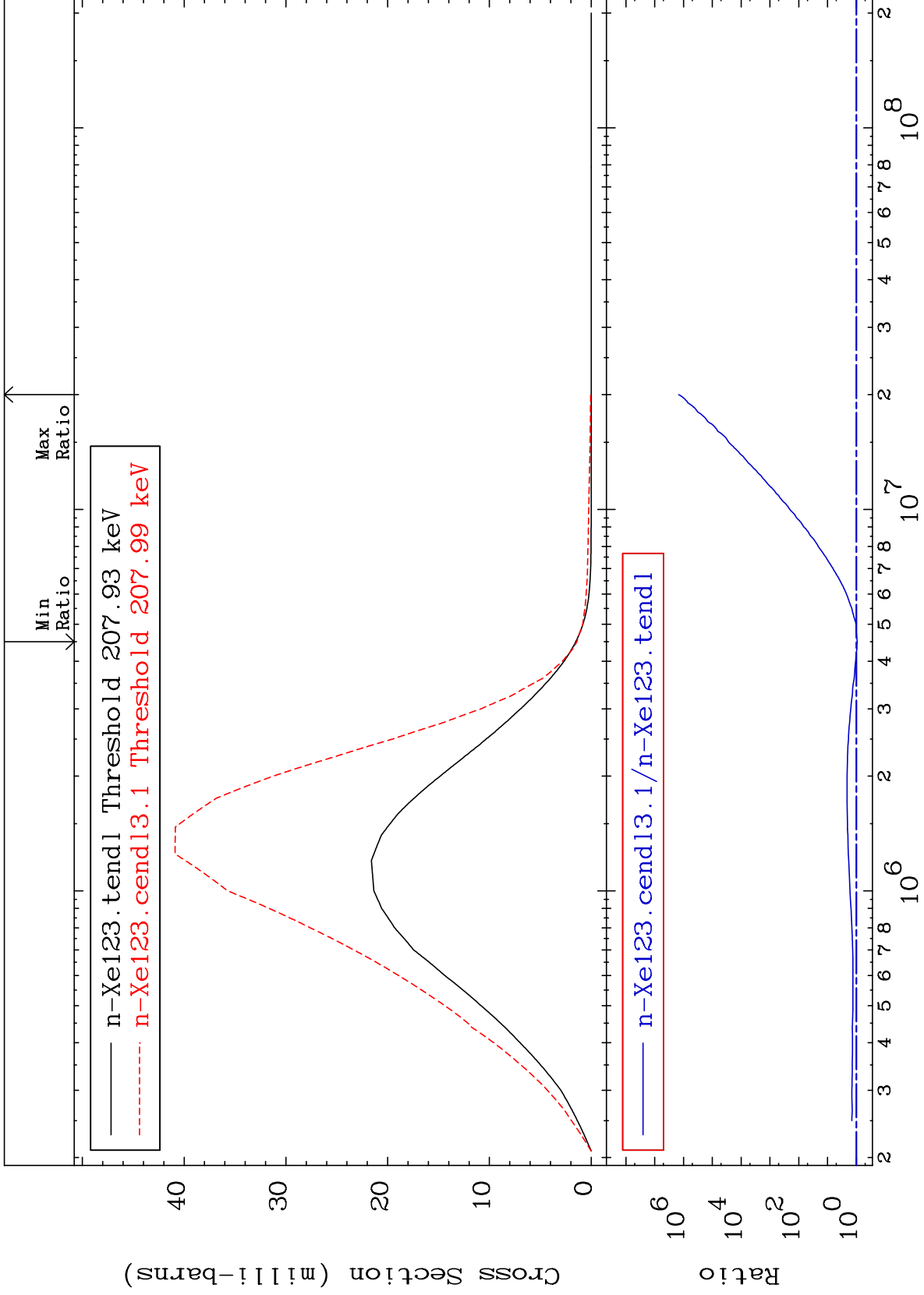
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123
-6.695 To 9999. %



11

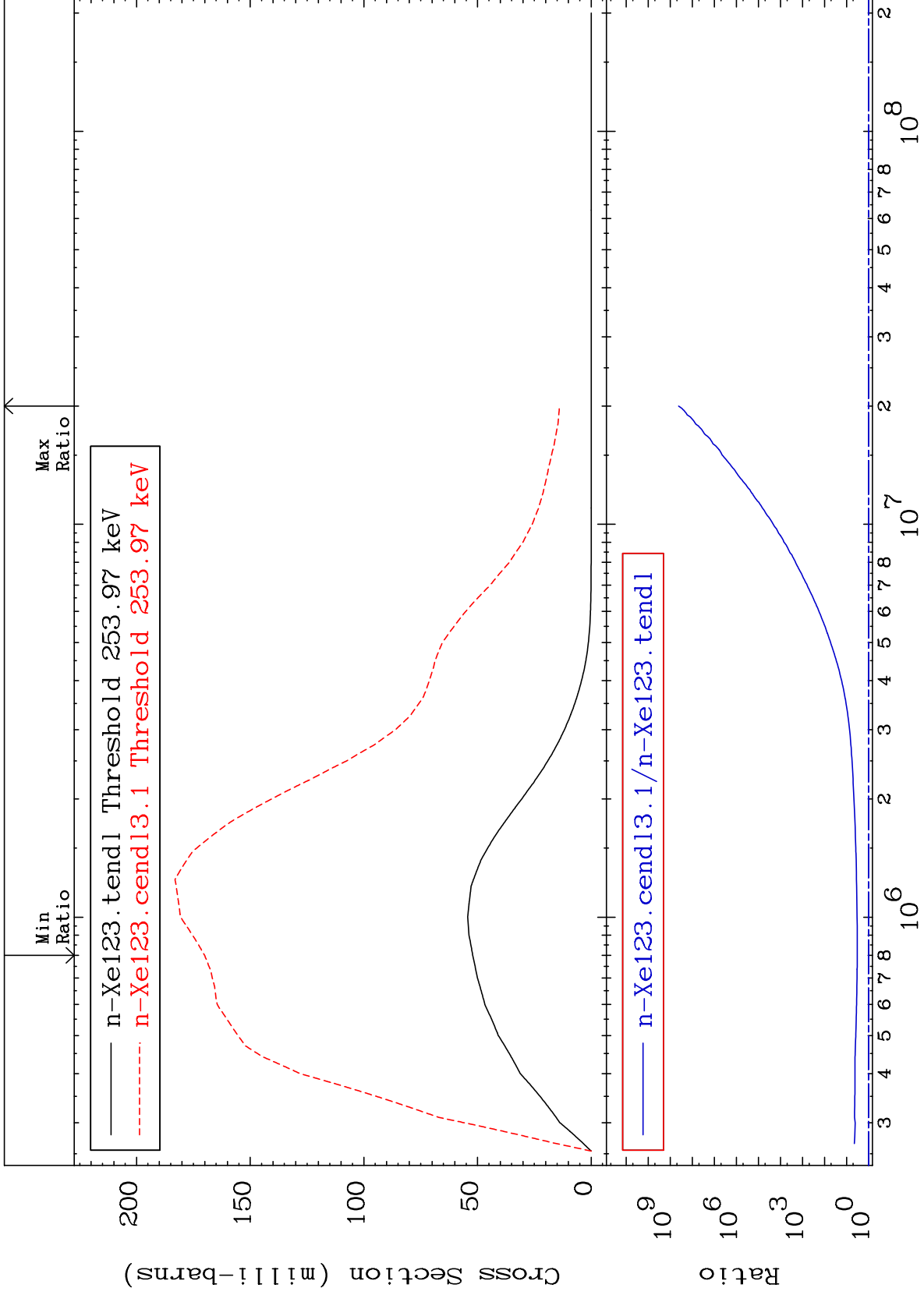
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123
226.3 To 9999. %



12

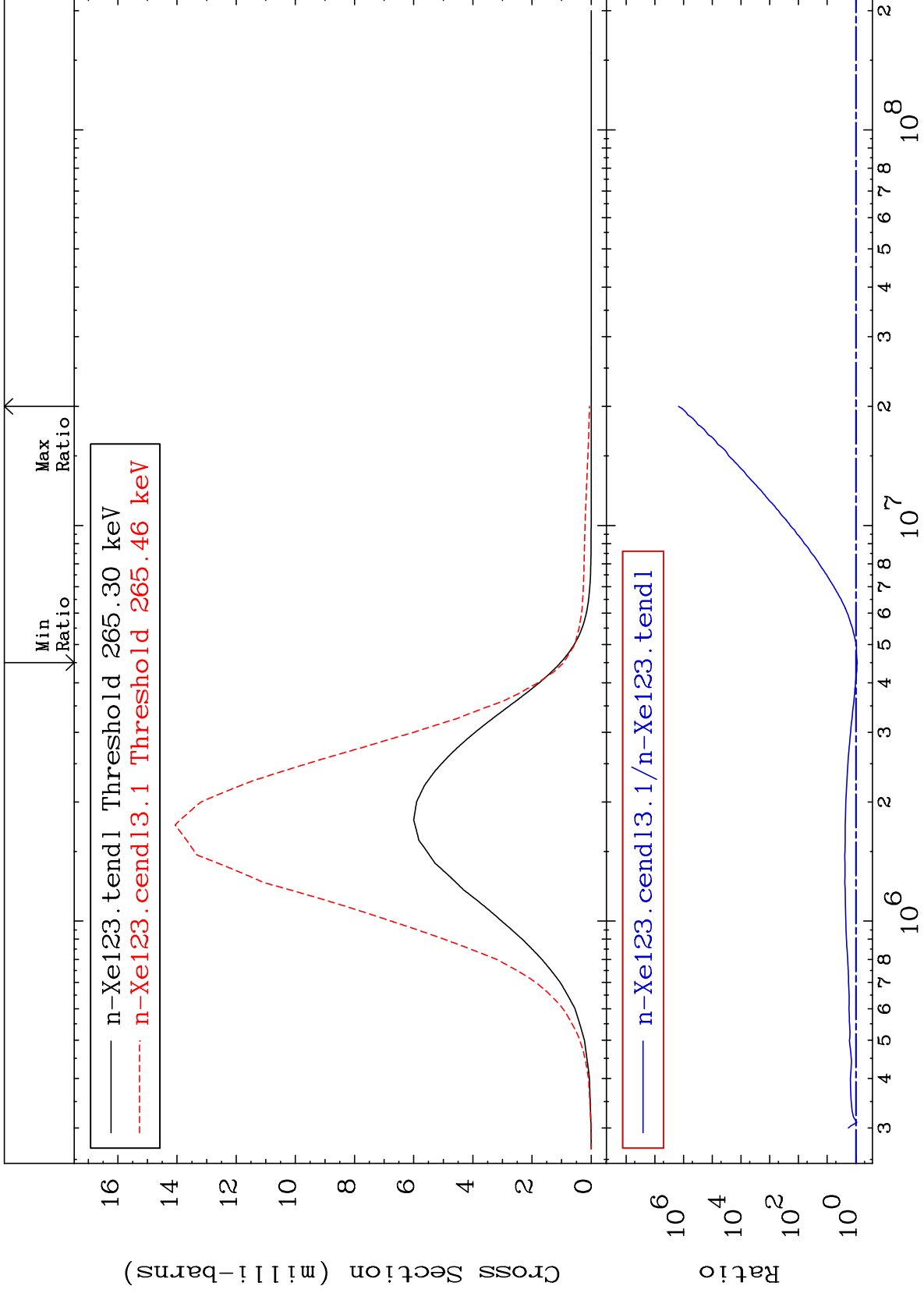
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123
-10.29 To 9999. %



13

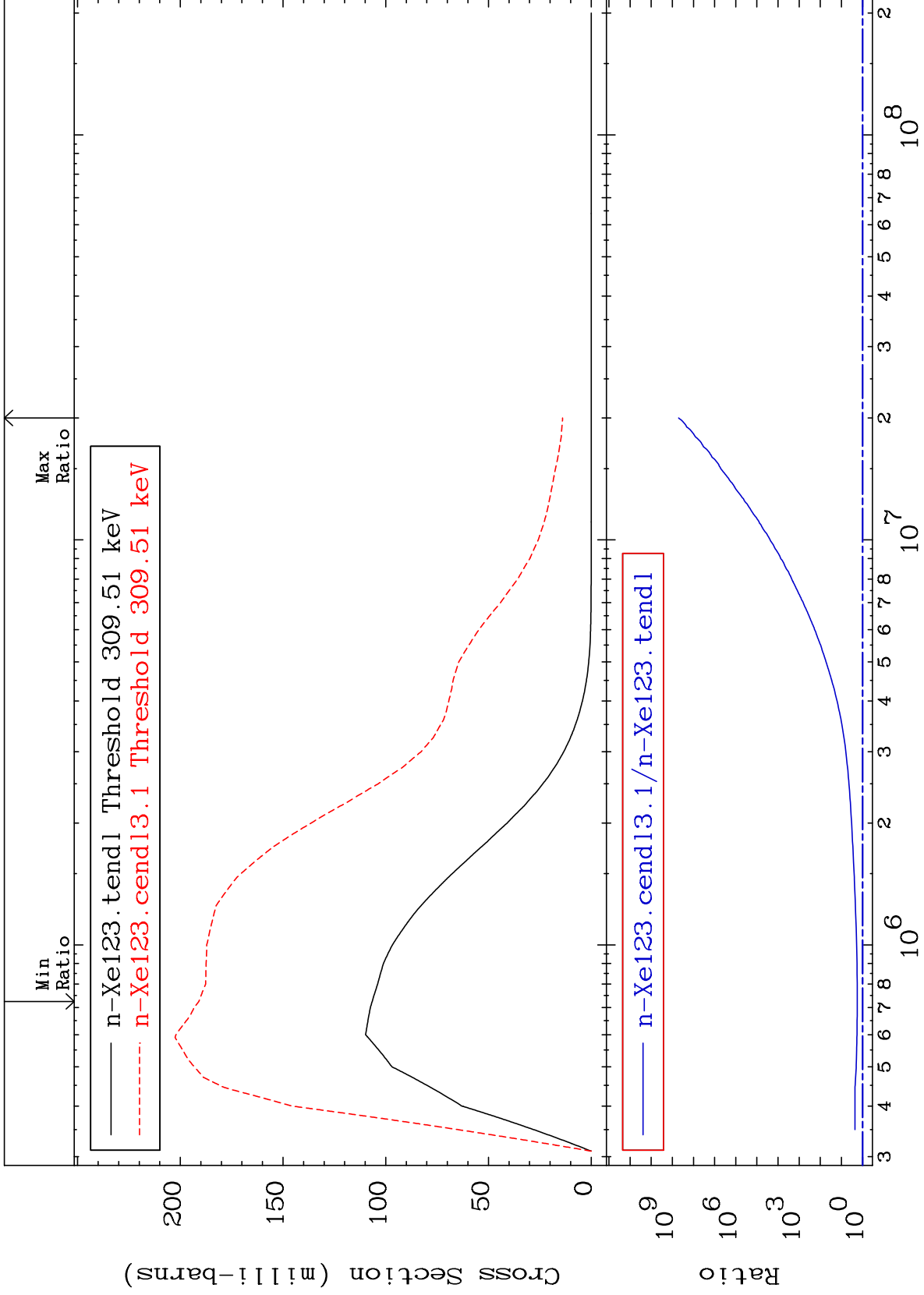
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123
79.13 To 9999. %



14

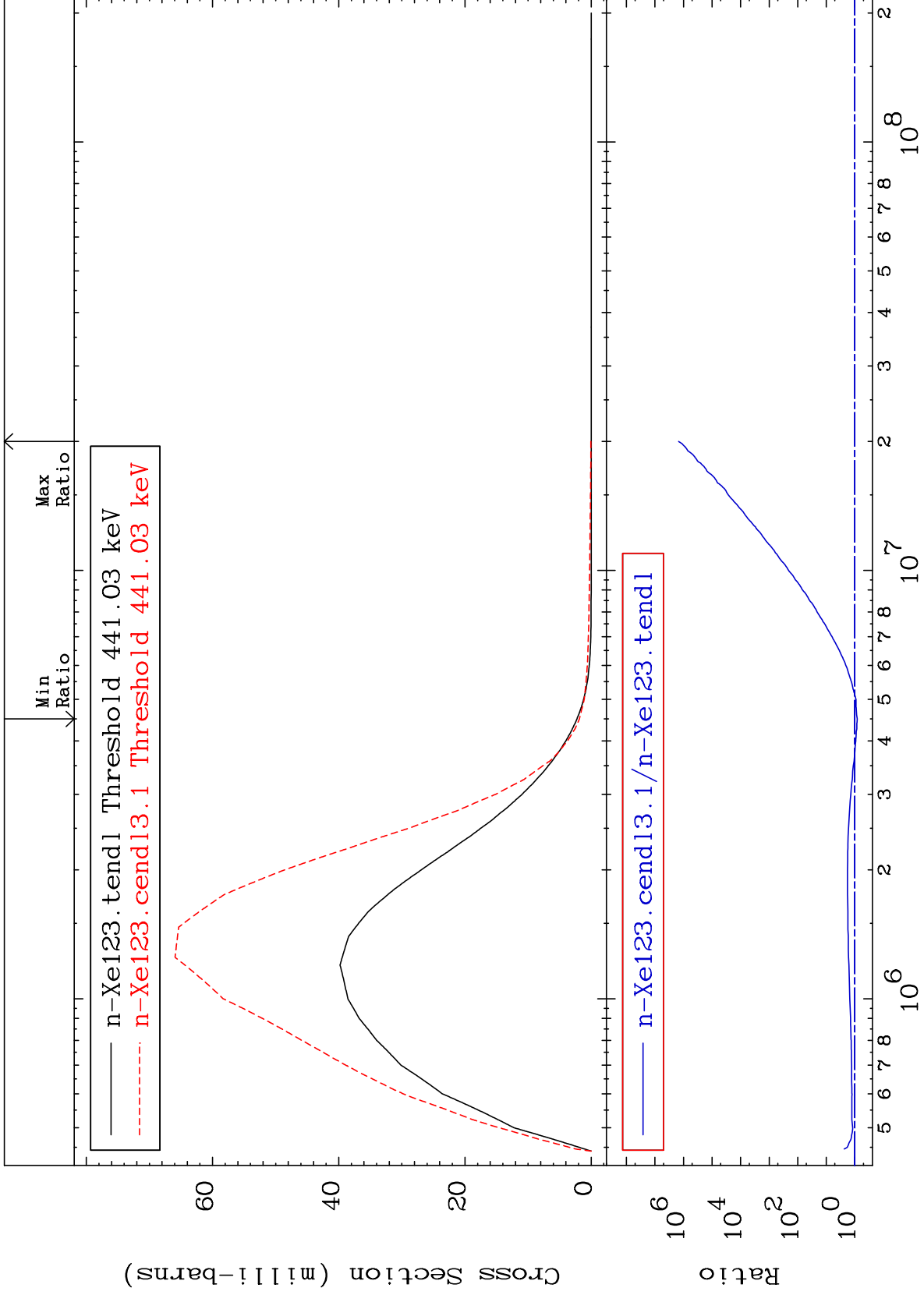
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123
-17.65 To 9999. %



15

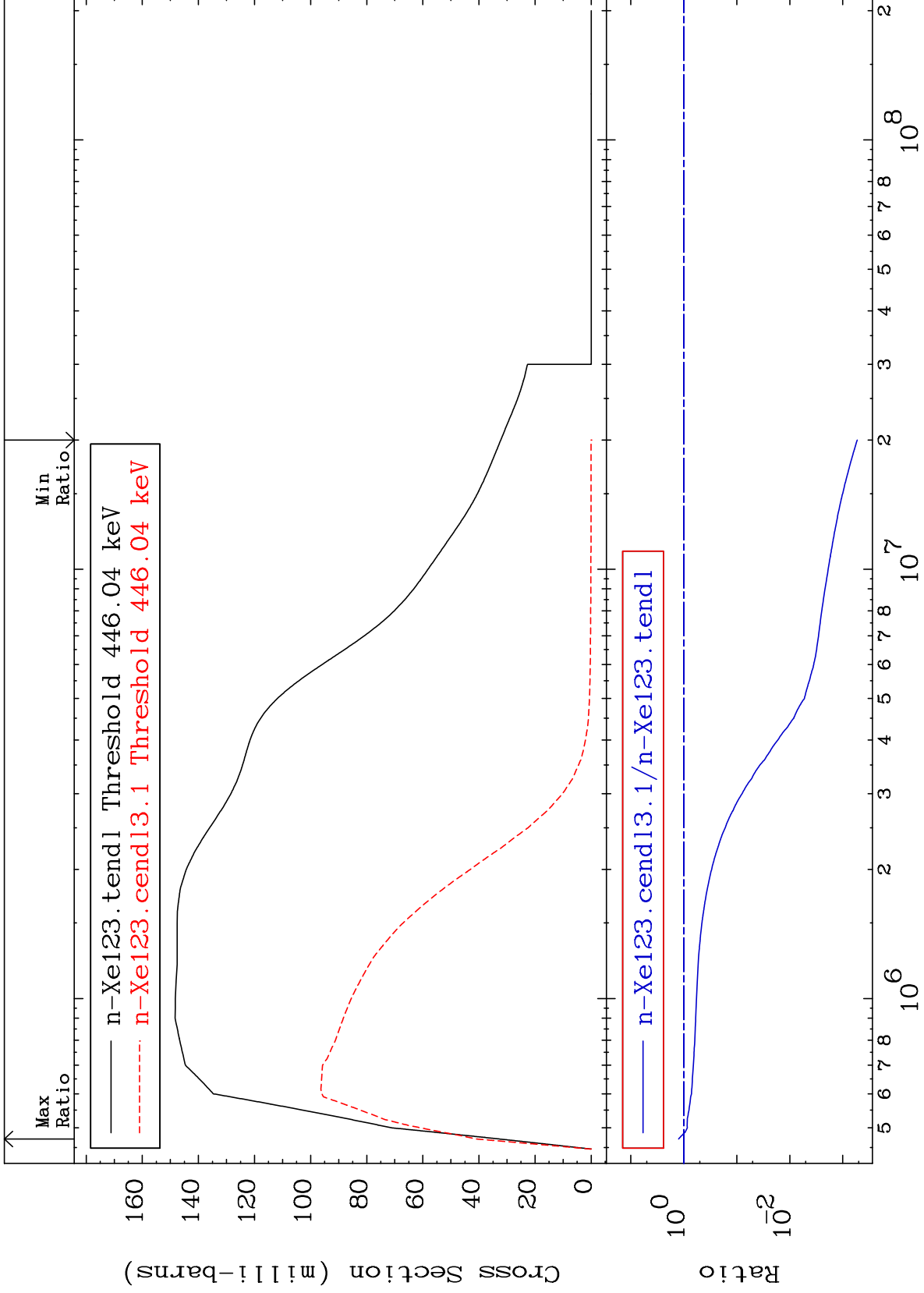
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123
-99.95 To 24.98 %



16

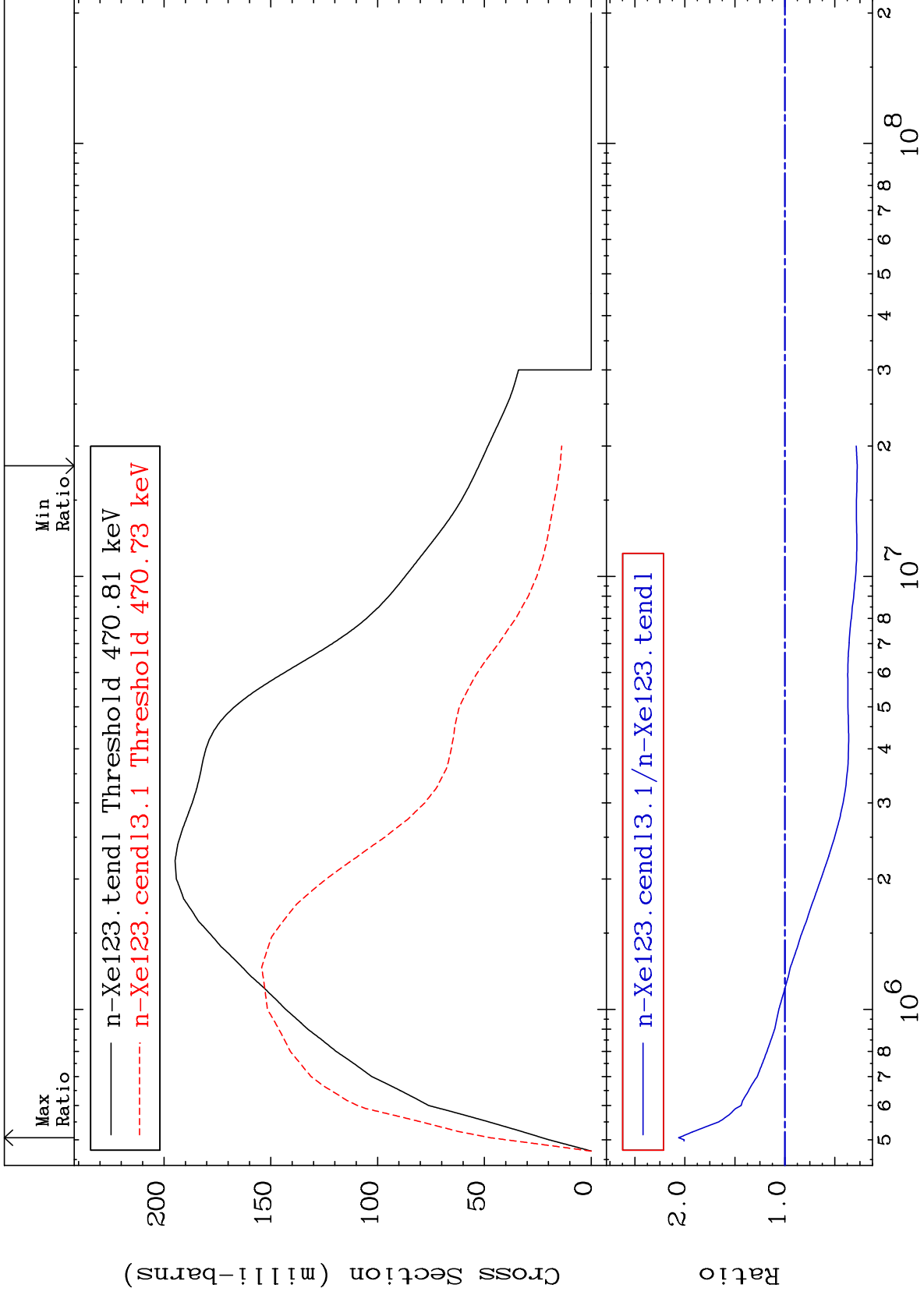
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123
-72.40 To 106.2 %



17

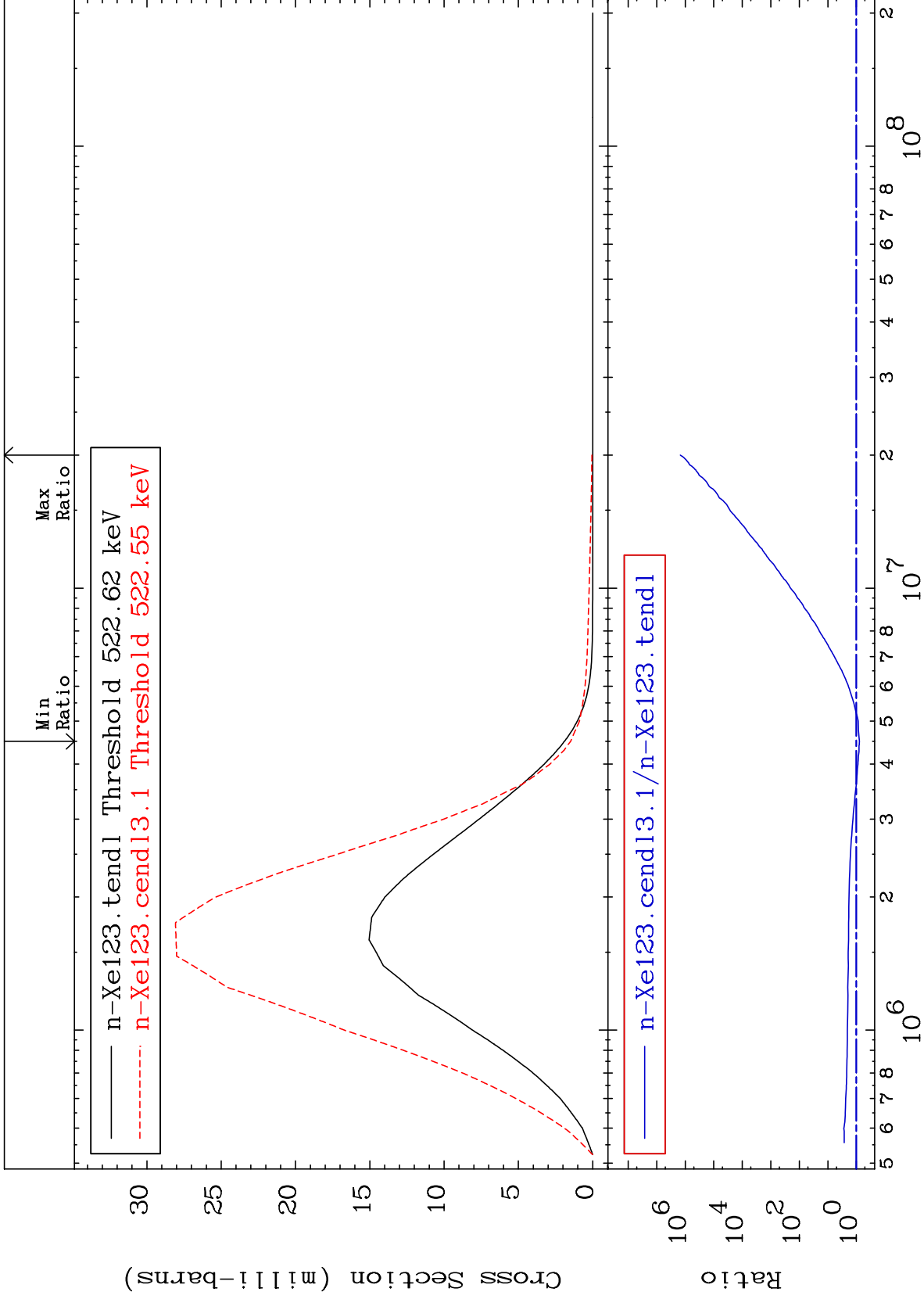
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123
-21.94 To 9999. %



18

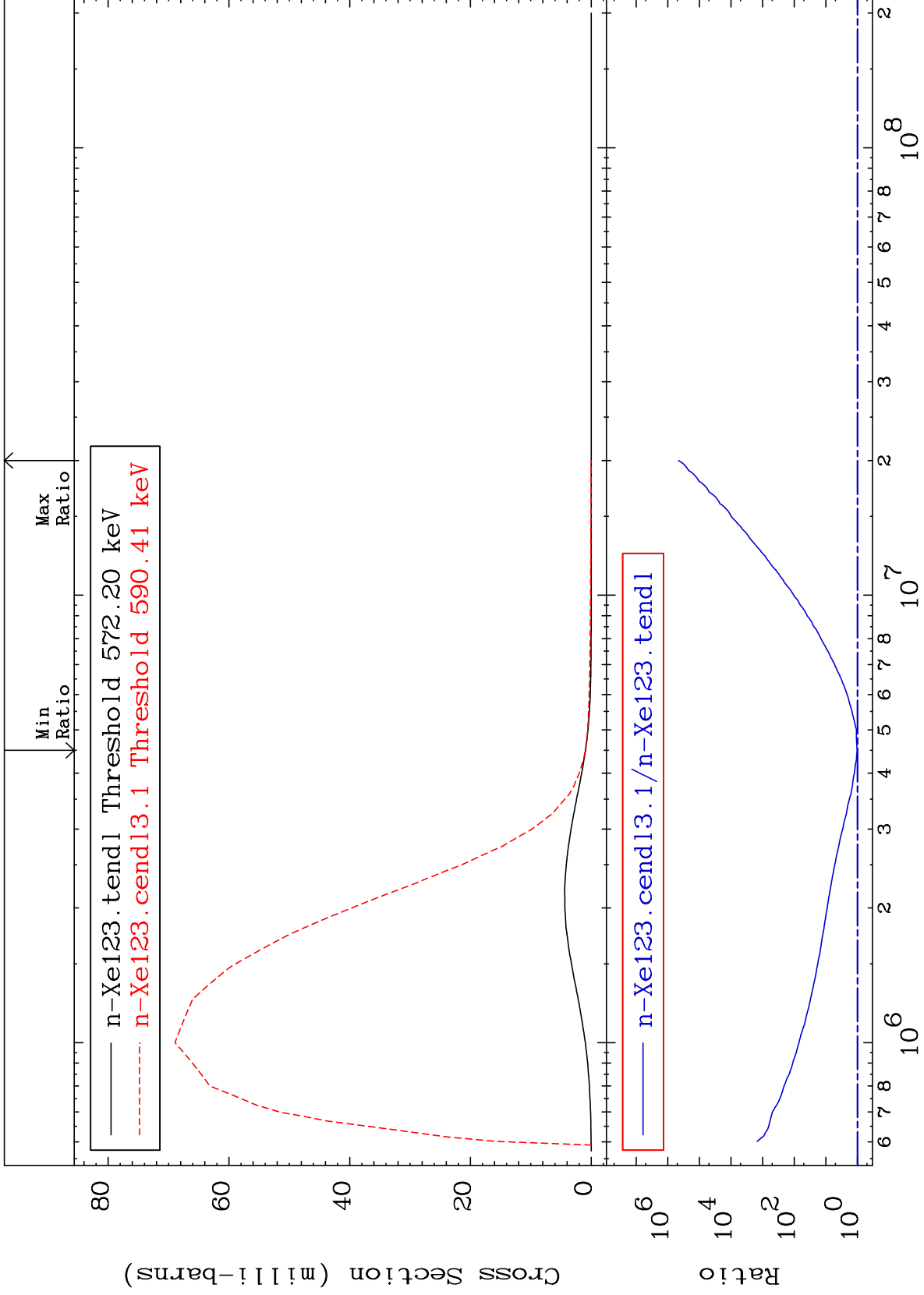
54-Xe-123

54-Xe-123

MAT 5422

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

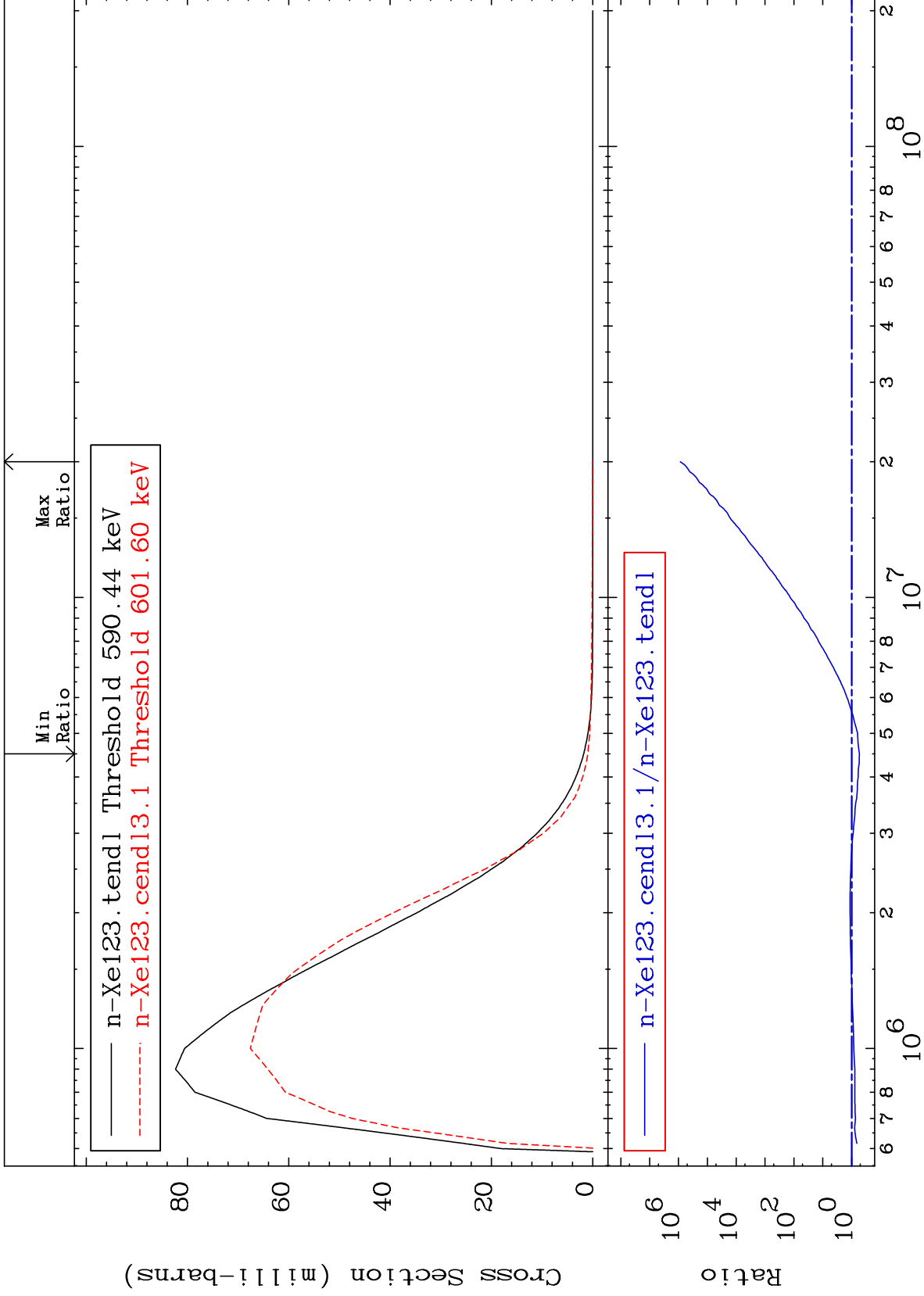
54-Xe-123
1.377 To 9999. %



MAT 5422

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

54-Xe-123
-46.33 To 9999. %



20

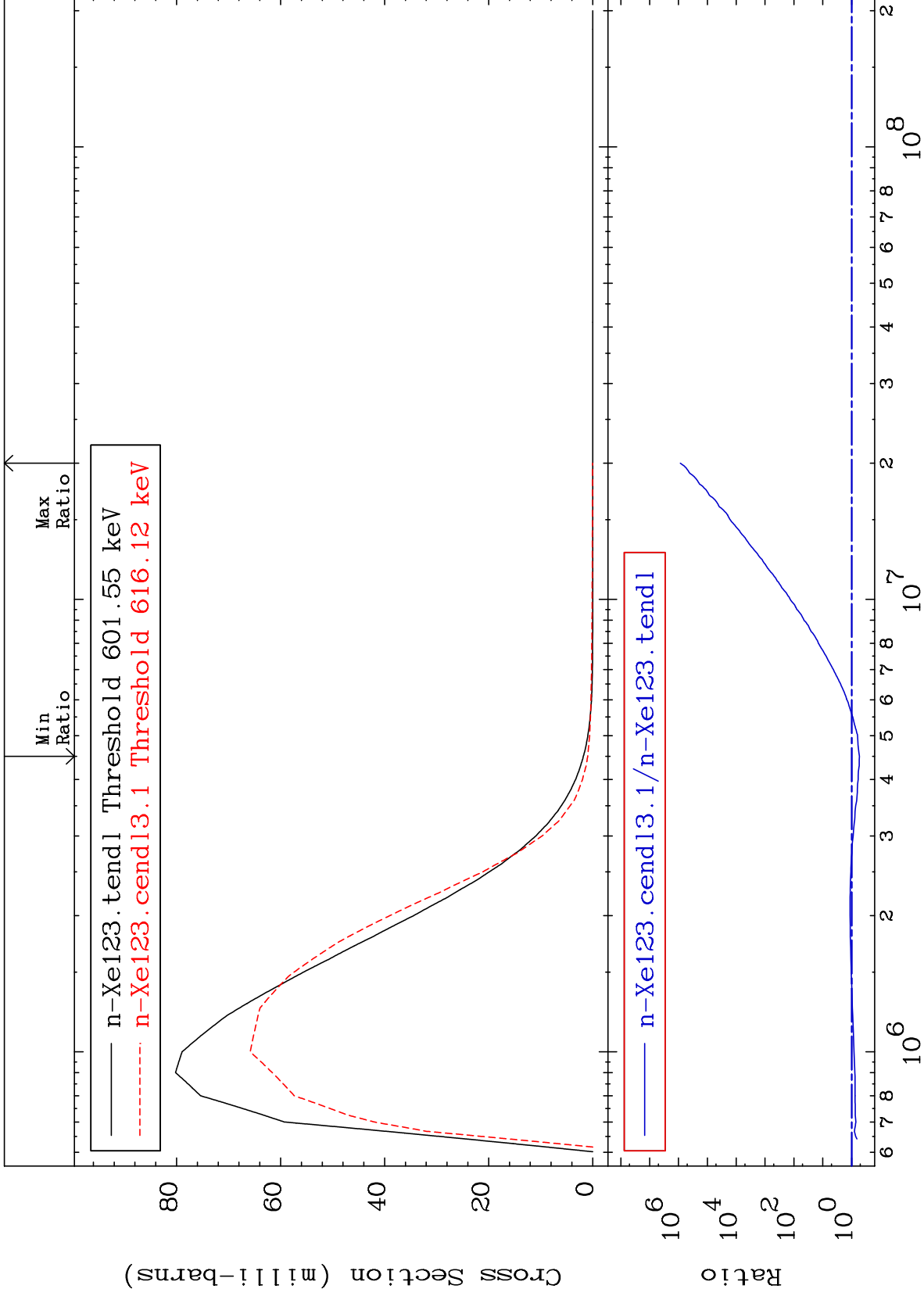
Incident Energy (eV)

54-Xe-123

MAT 5422

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

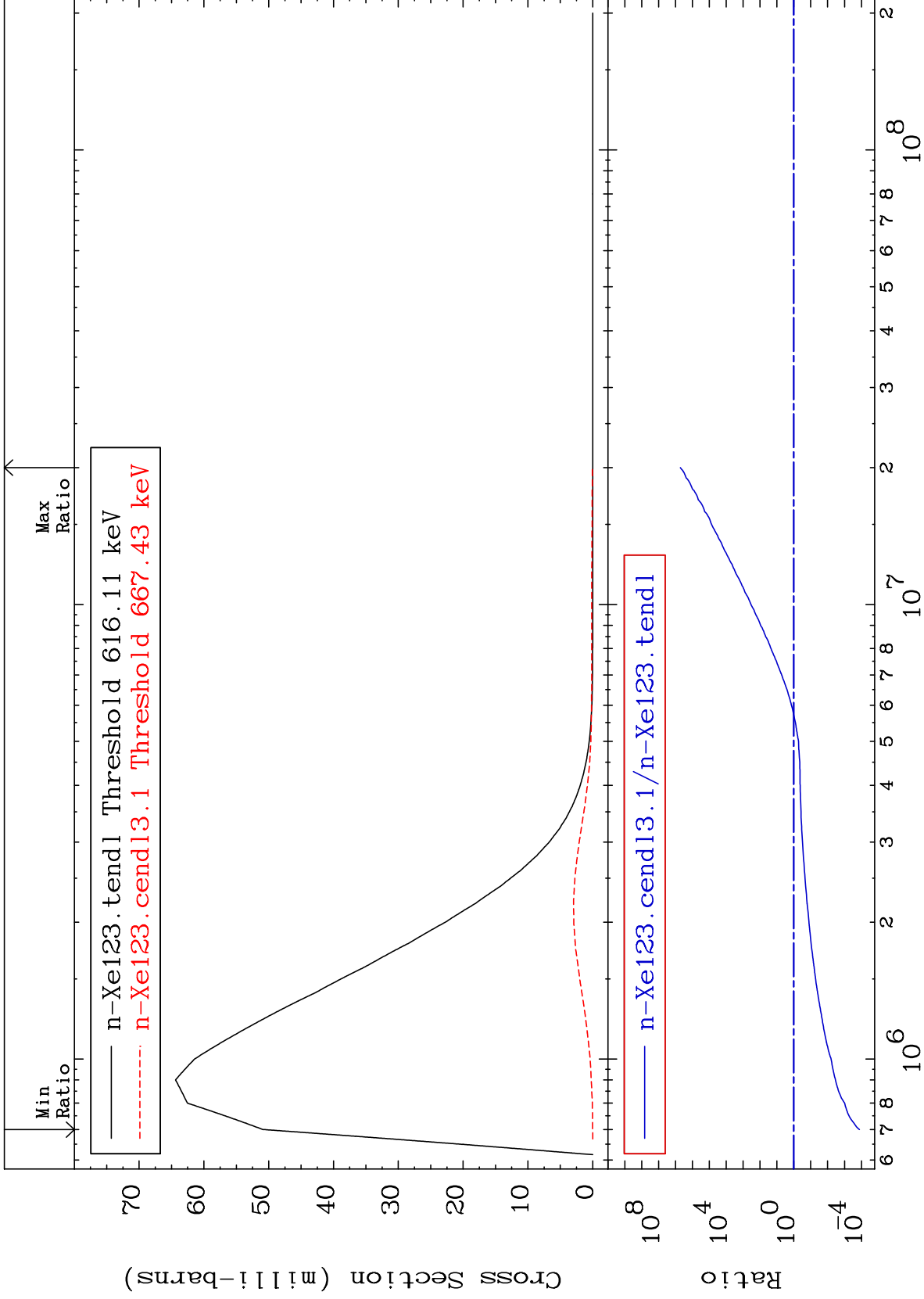
54-Xe-123
-46.35 To 9999. %



MAT 5422

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

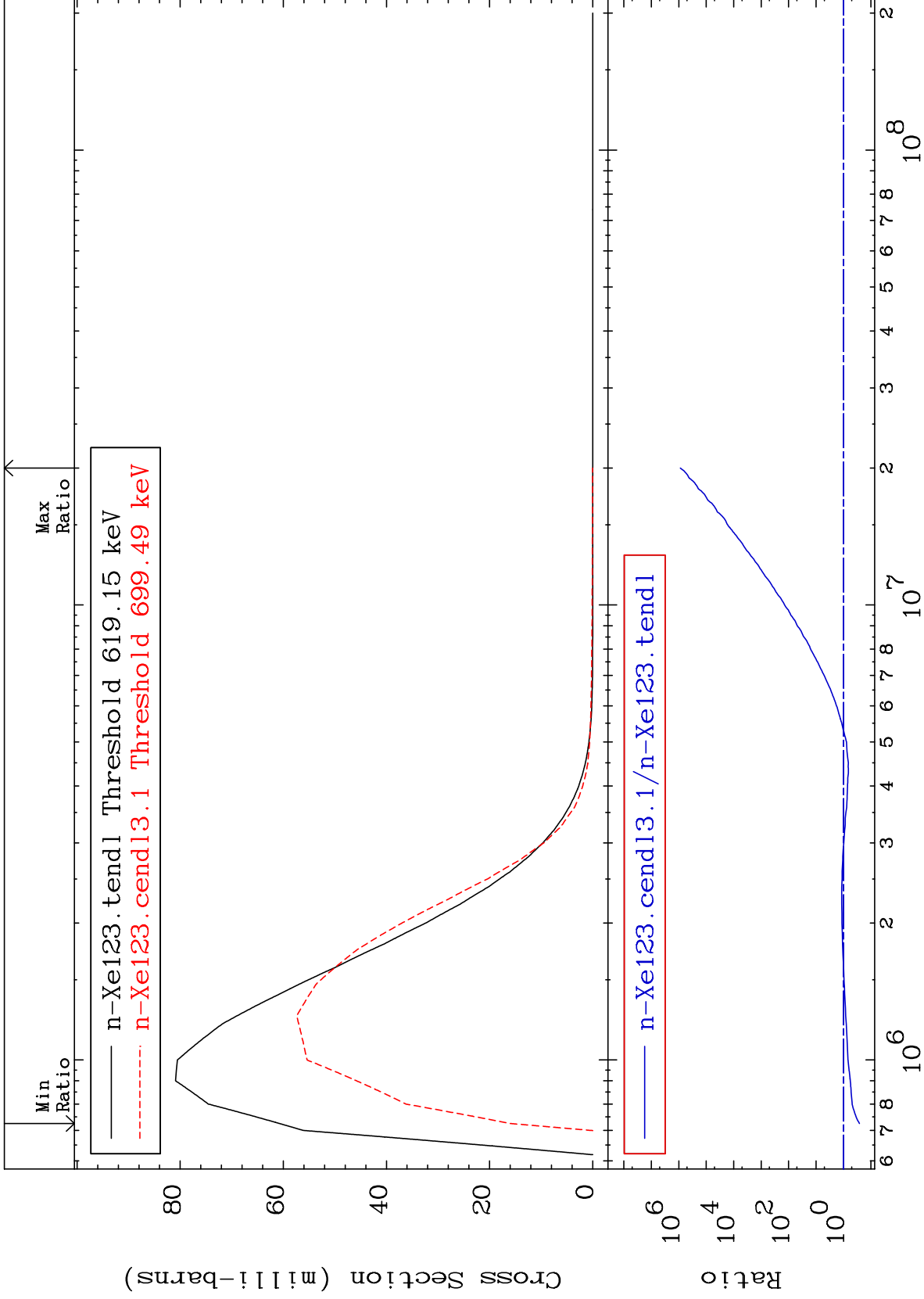
54-Xe-123
-99.99 To 9999. %

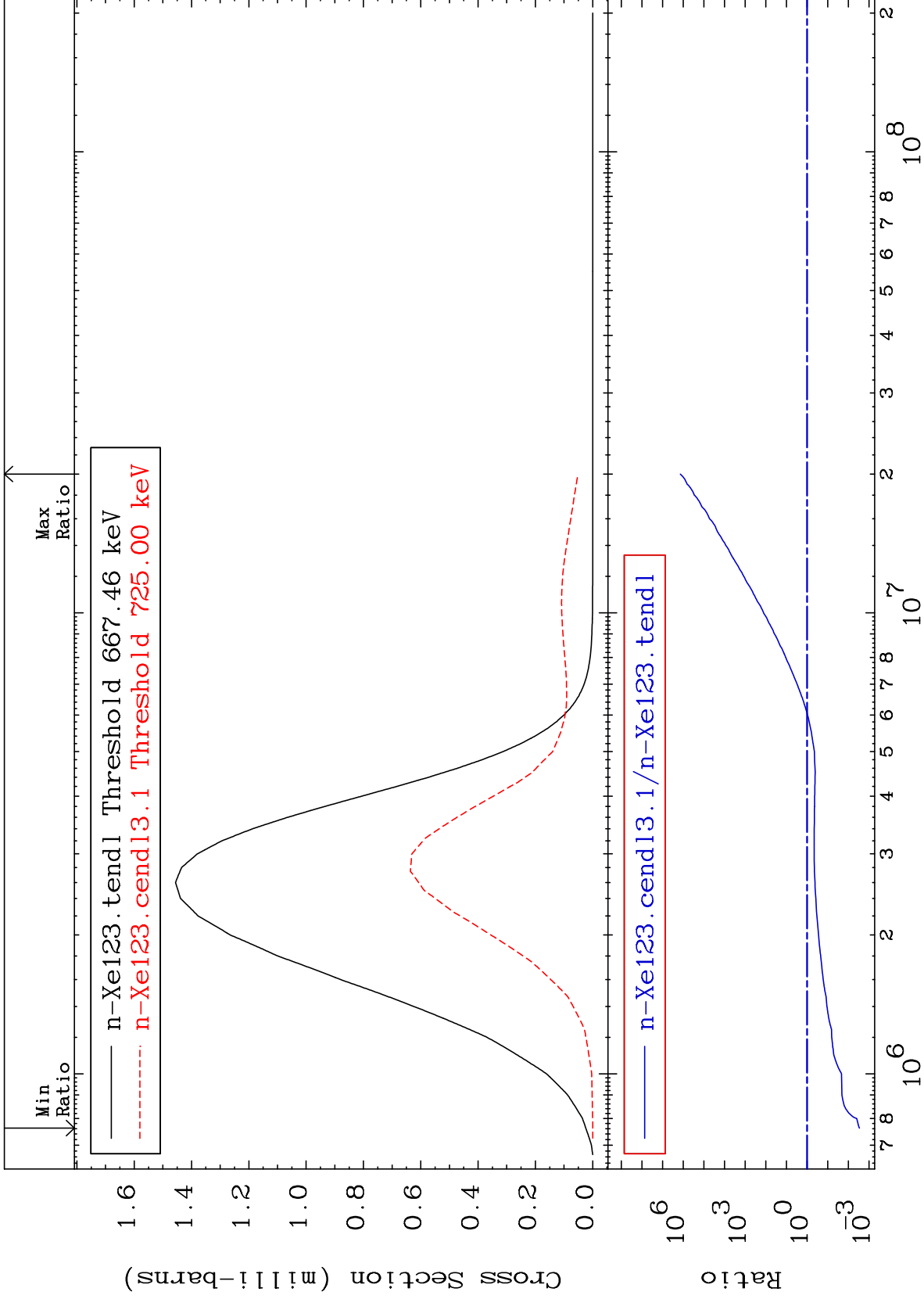


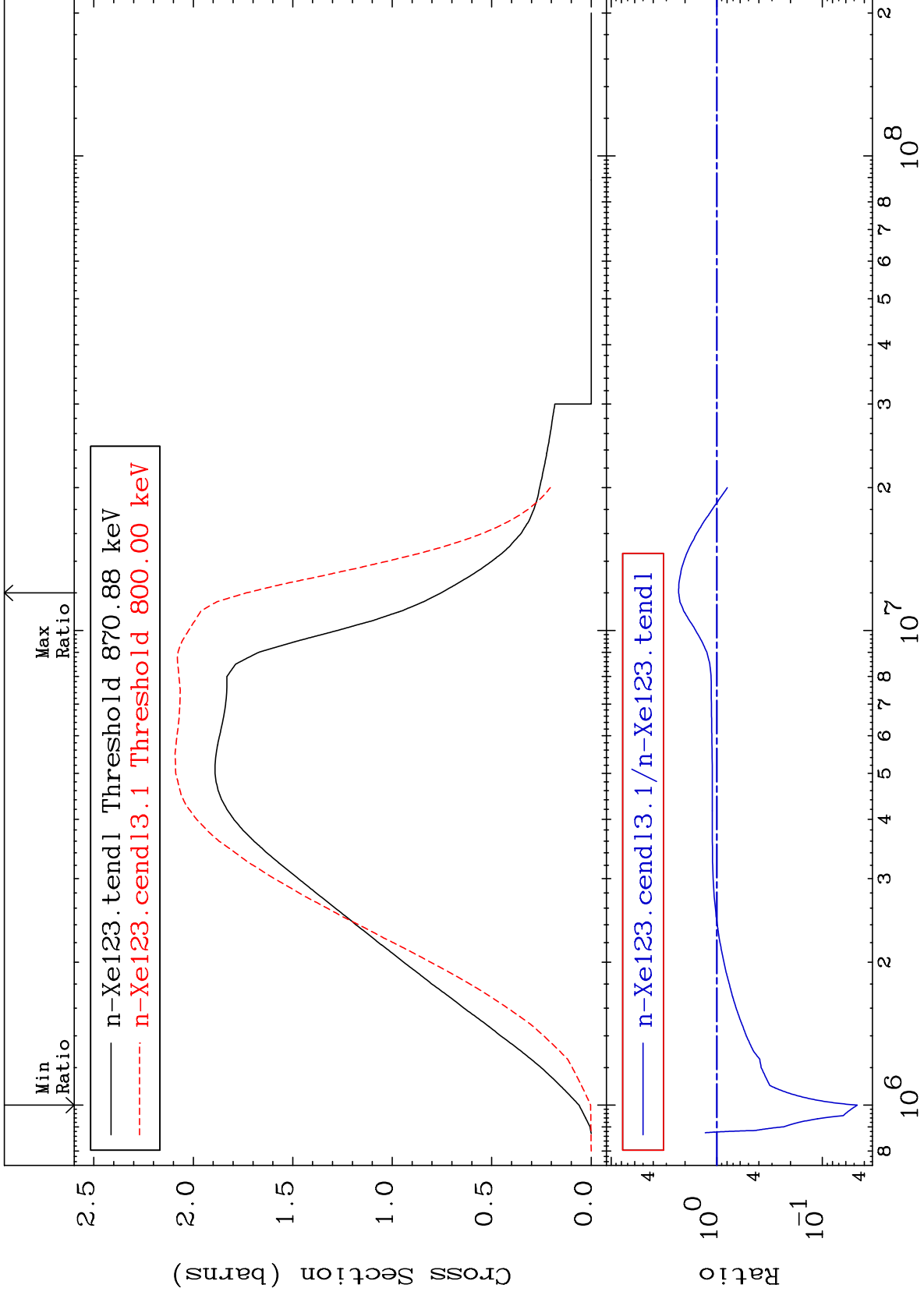
MAT 5422

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

54-Xe-123
-73.65 To 9999. %



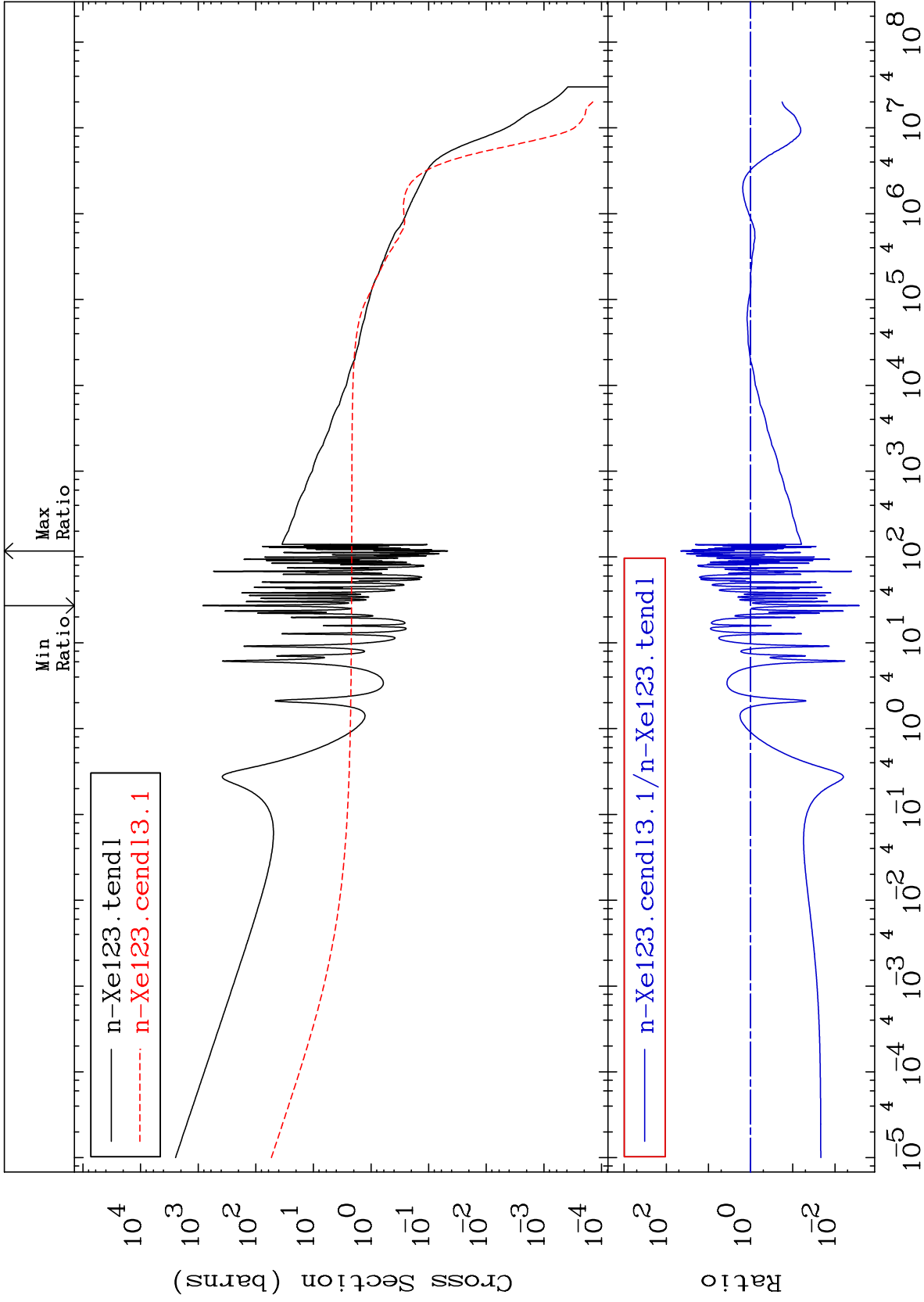


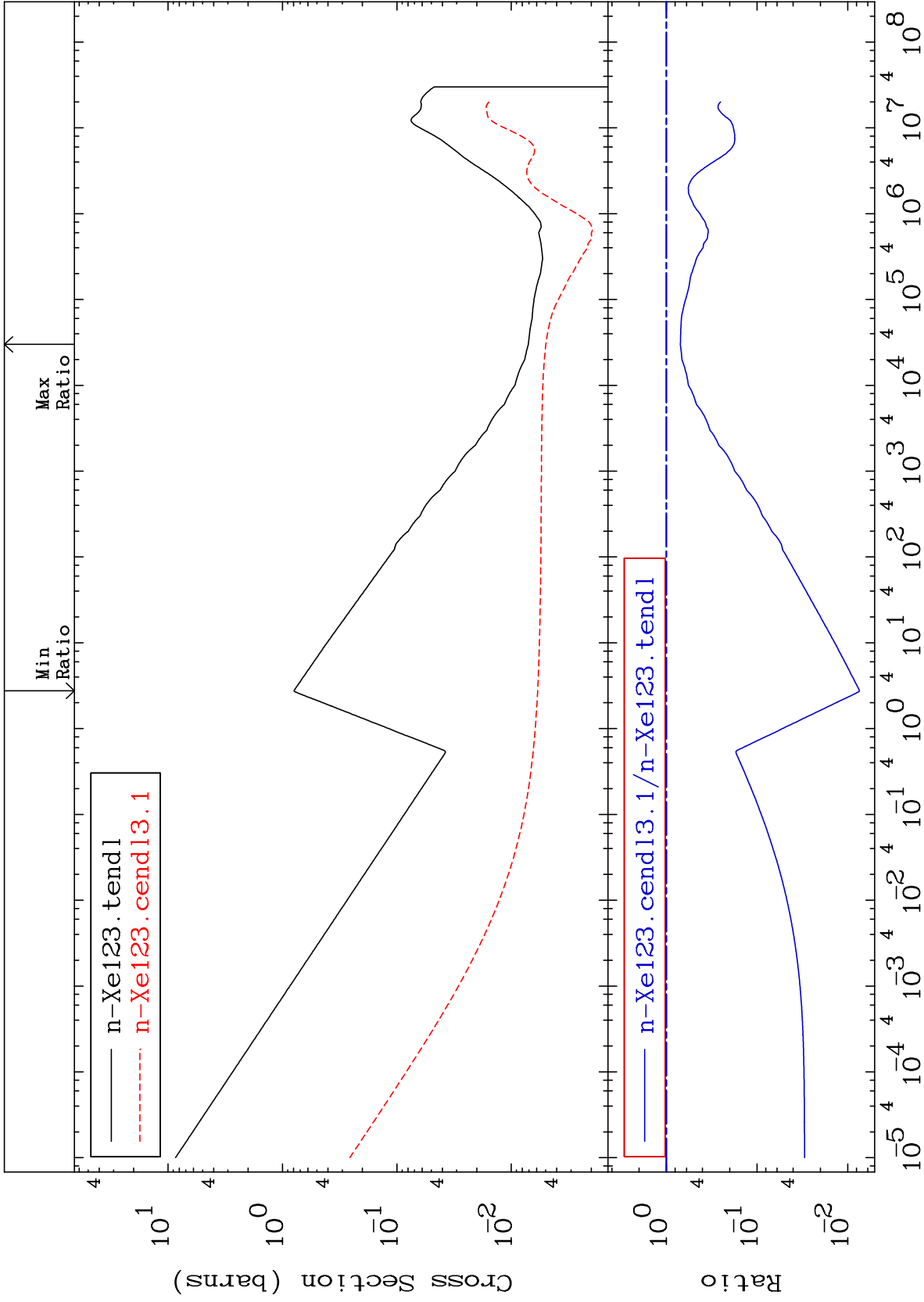


MAT 5422

(n, γ)
Cross Section

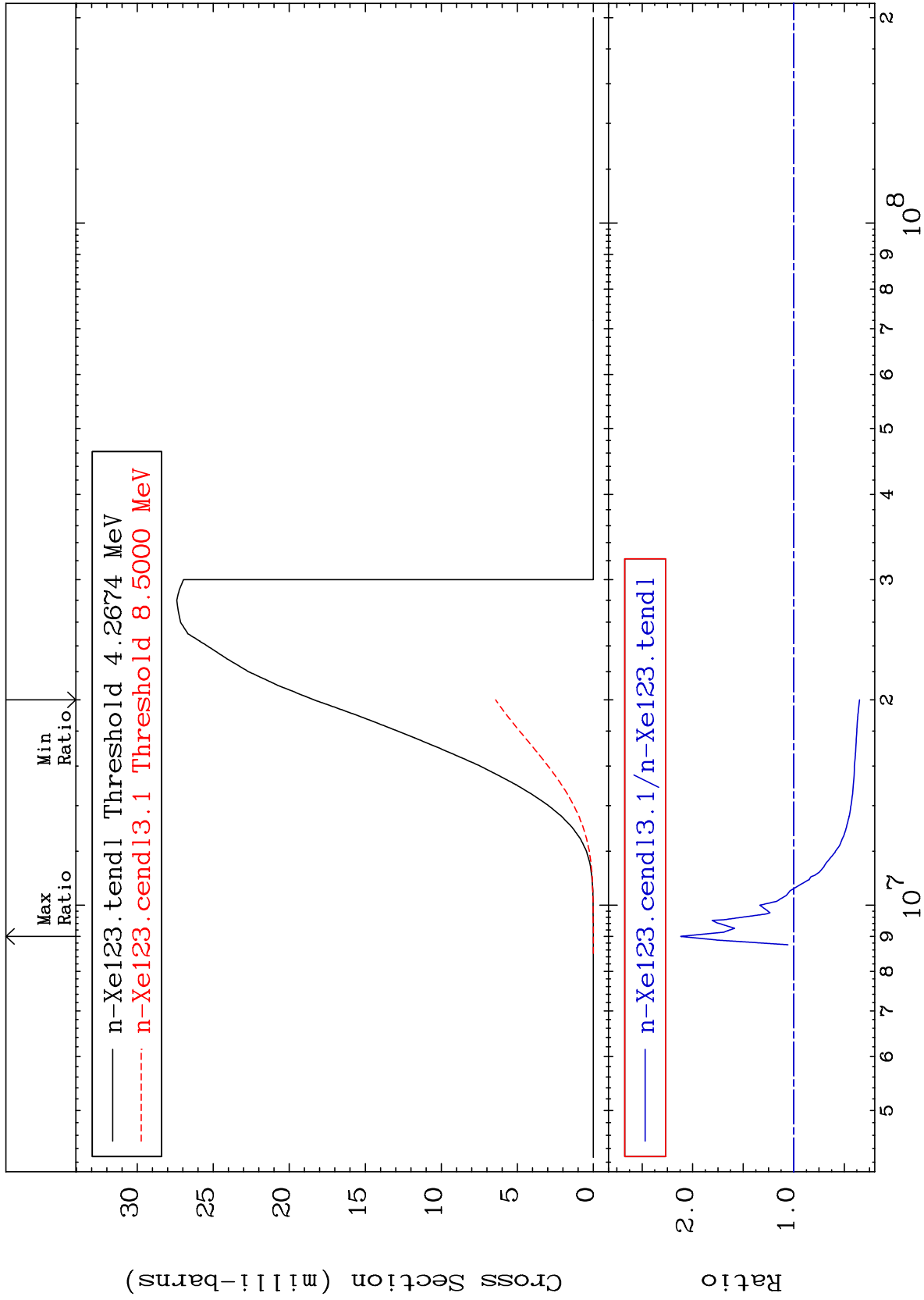
54-Xe-123
-99.74 To 4530. %





Cross Section

-65.09 To 111.8 %



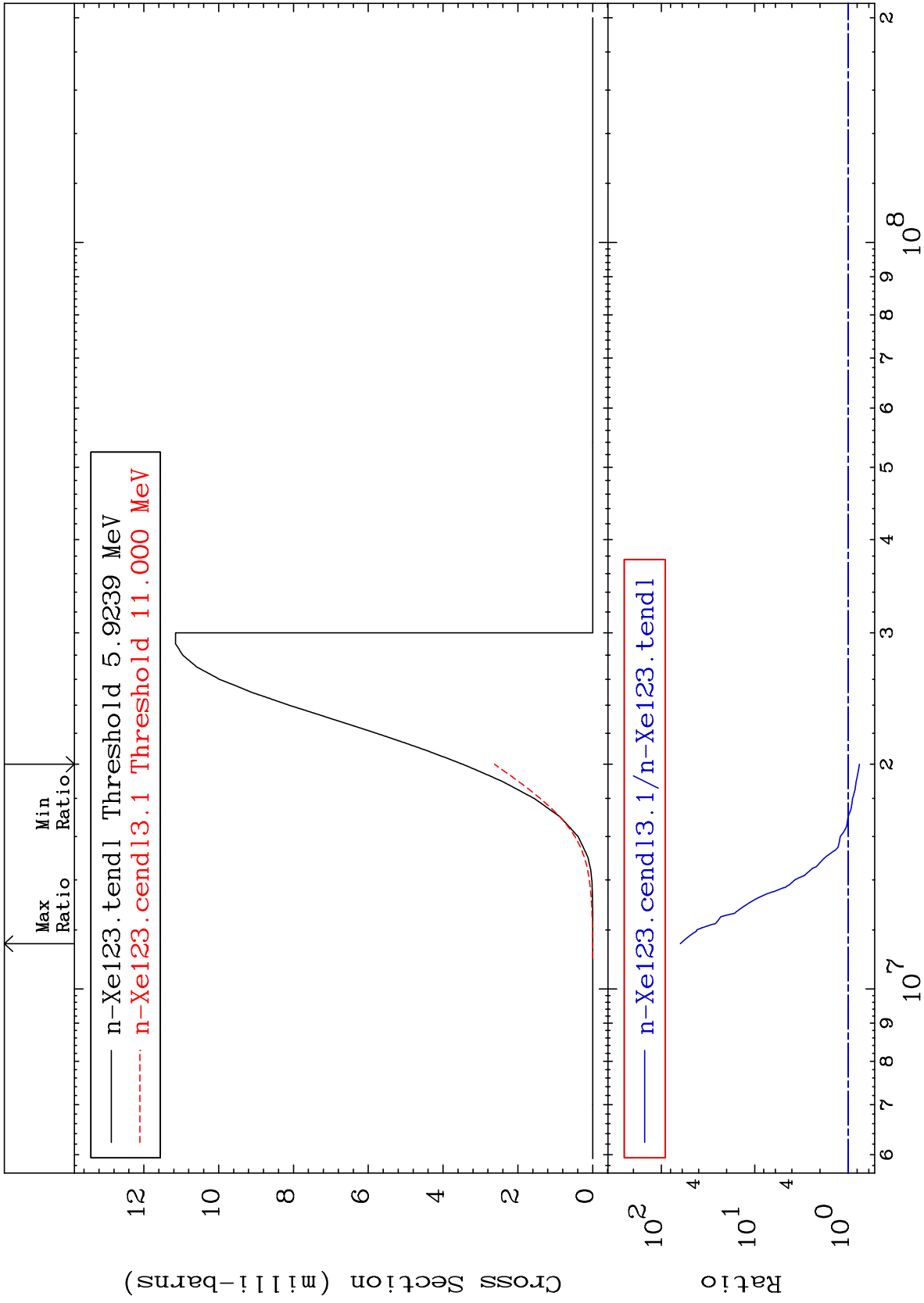
MAT 5422

(n, t)

54-Xe-123

Cross Section

-24.38 To 6167. %



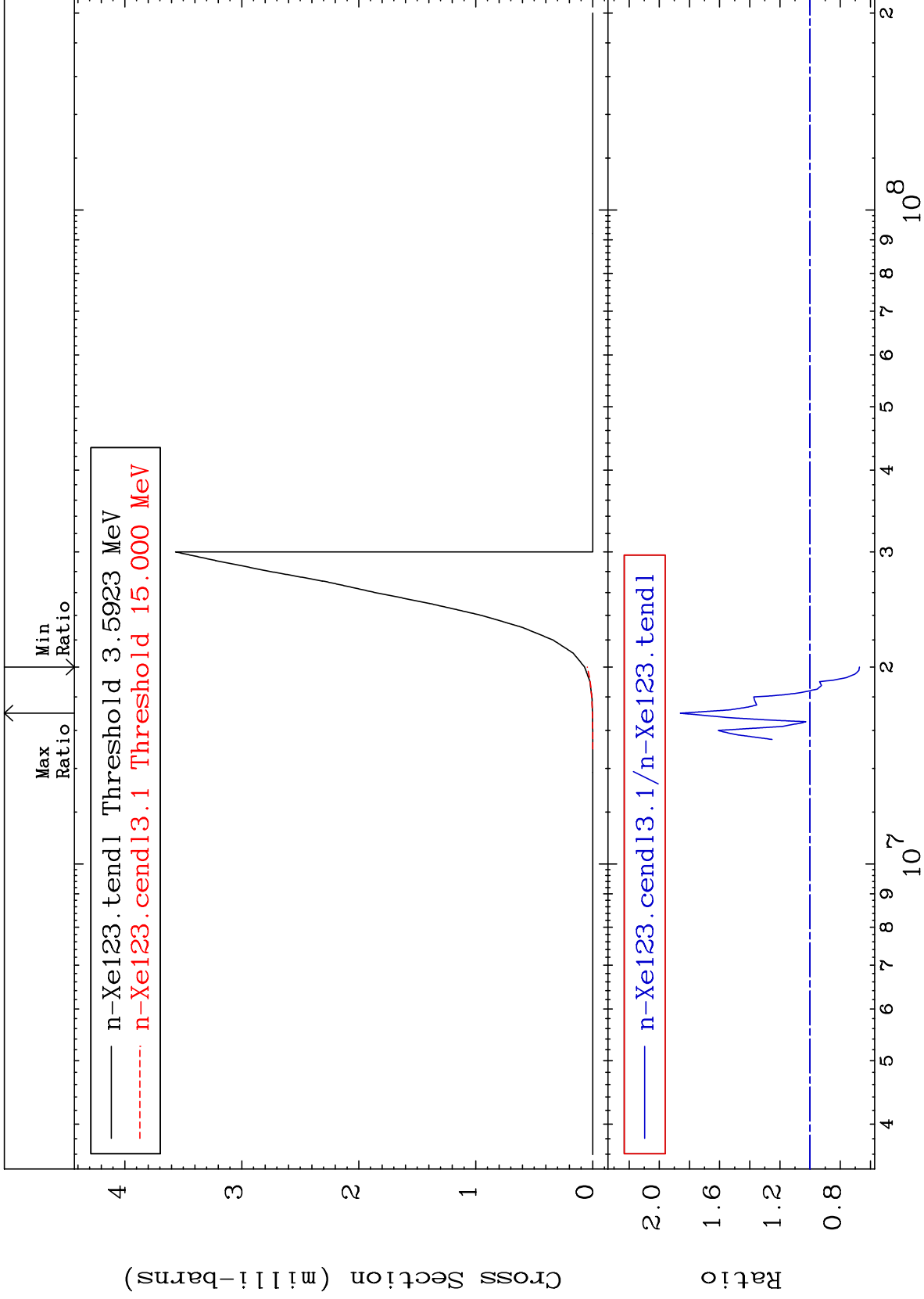
MAT 5422

(n, He-3)

54-Xe-123

Cross Section

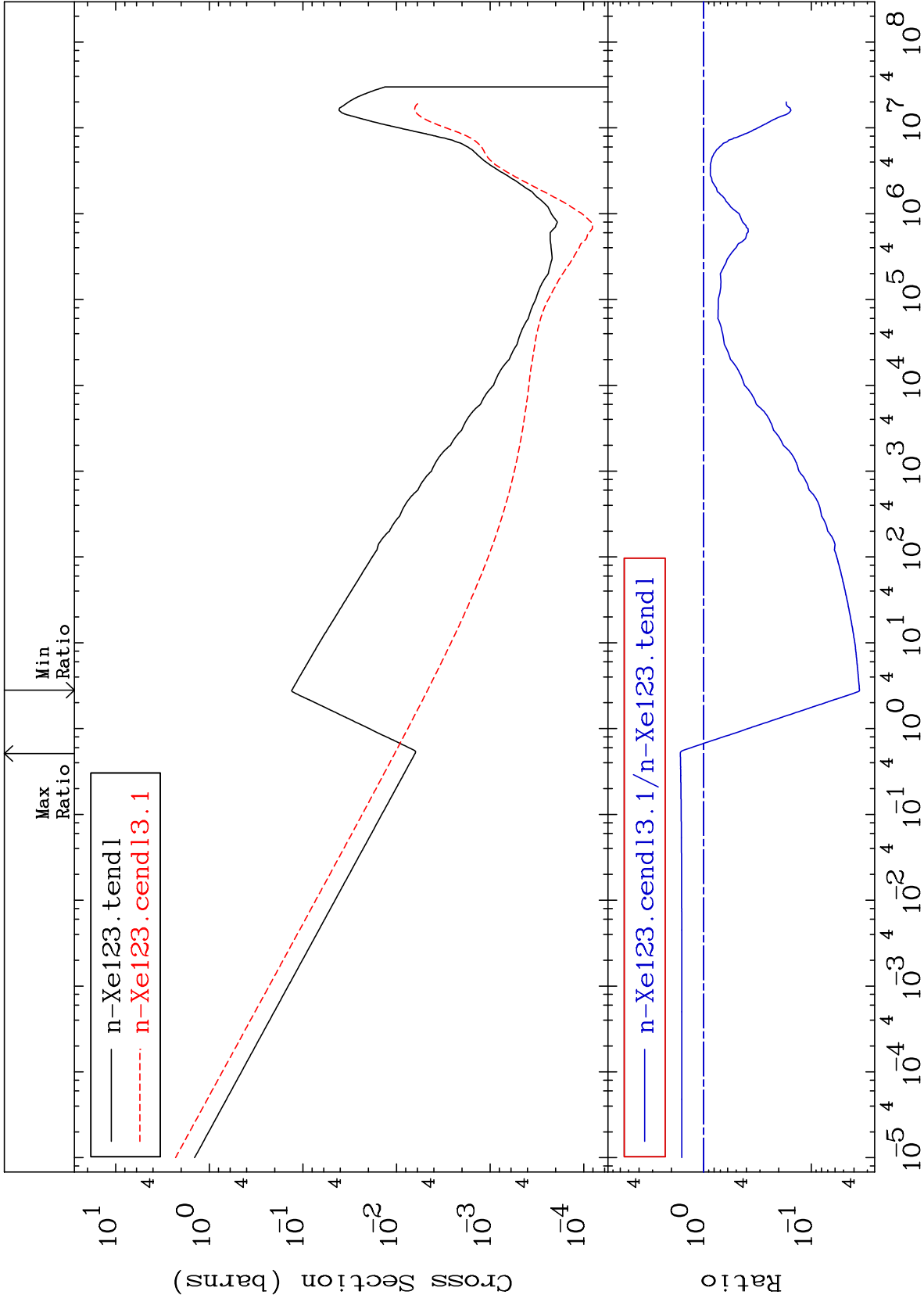
-32.74 To 86.03 %



30

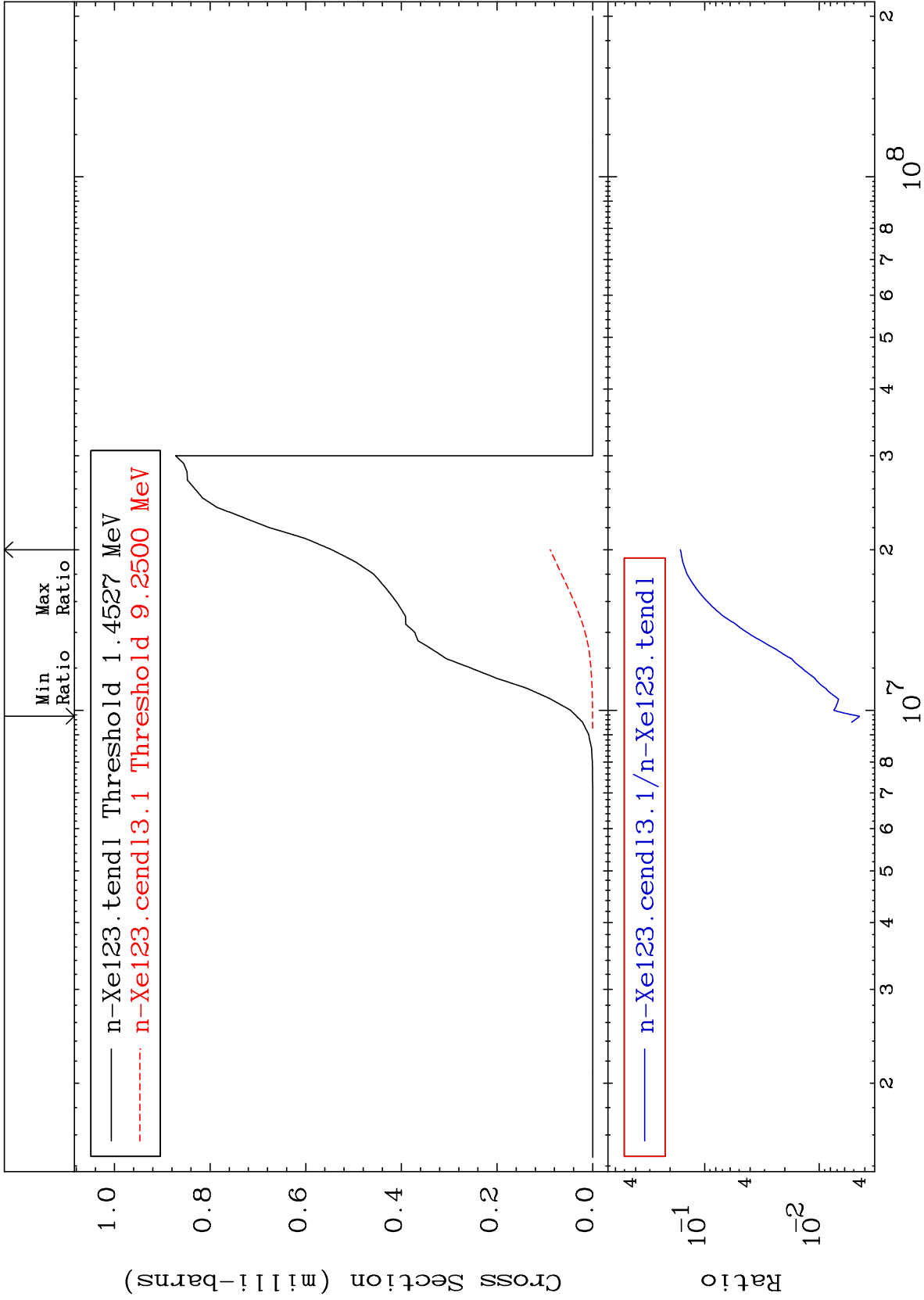
Incident Energy (eV)

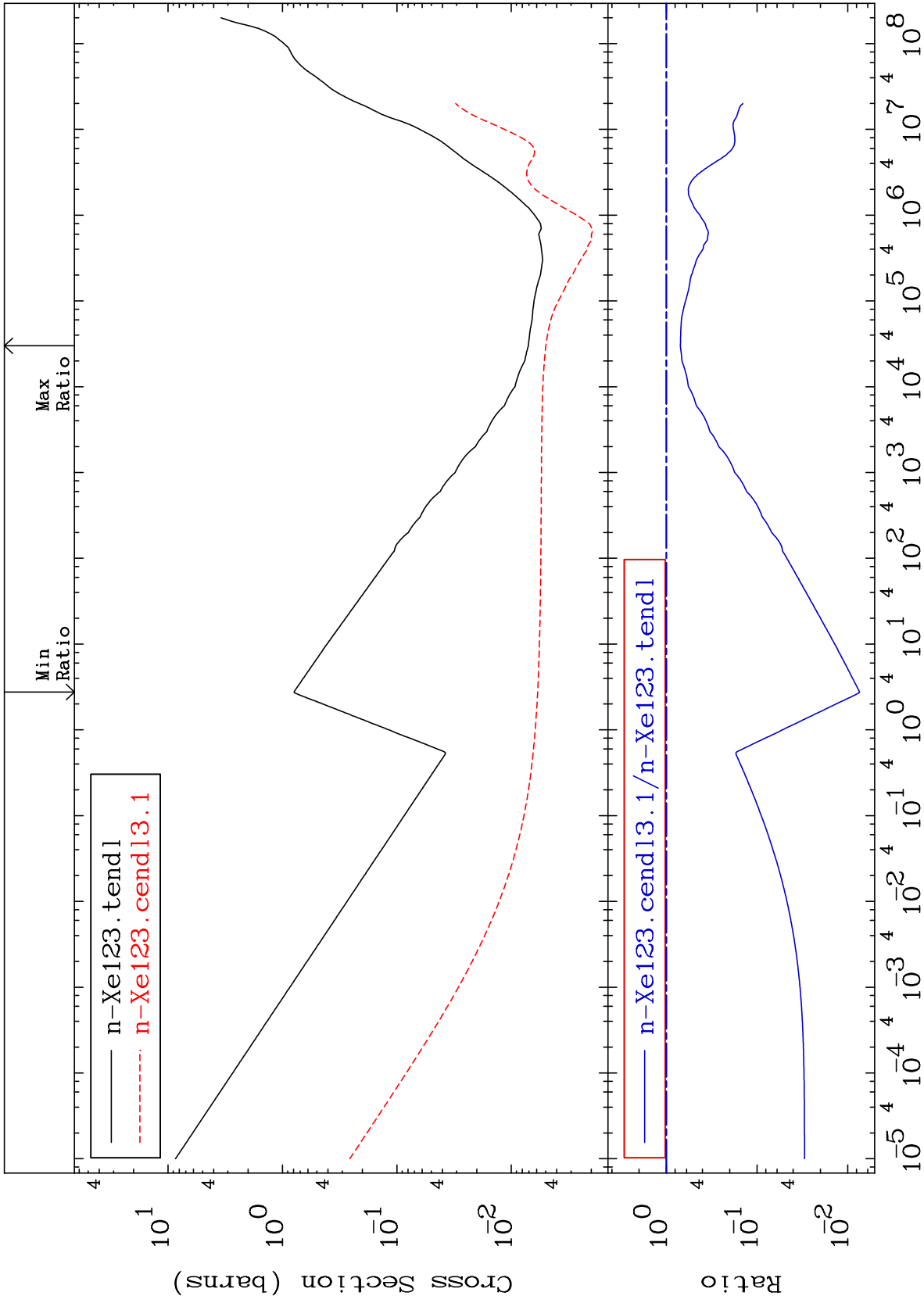
54-Xe-123



Cross Section

-99.55 To -83.71%

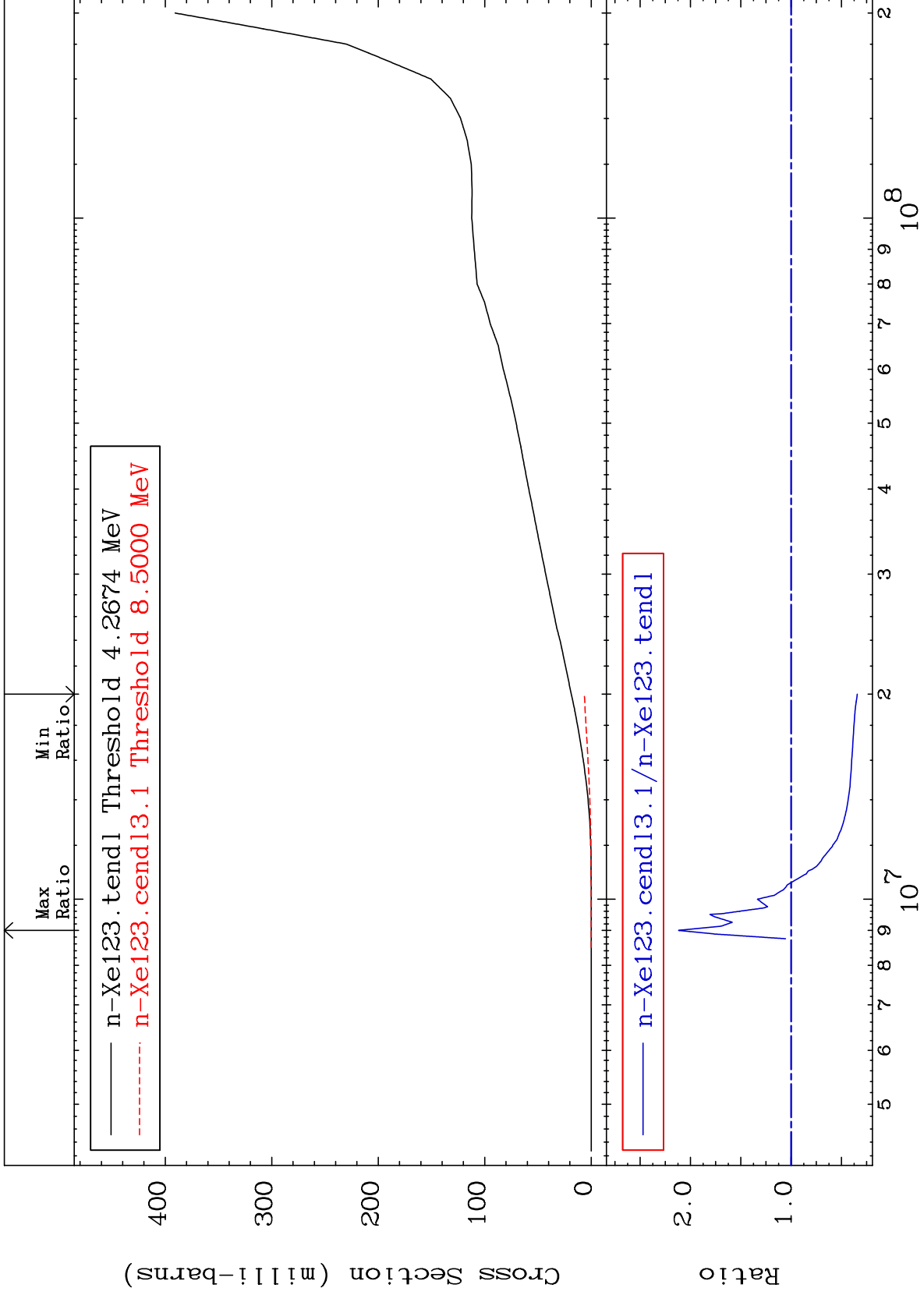


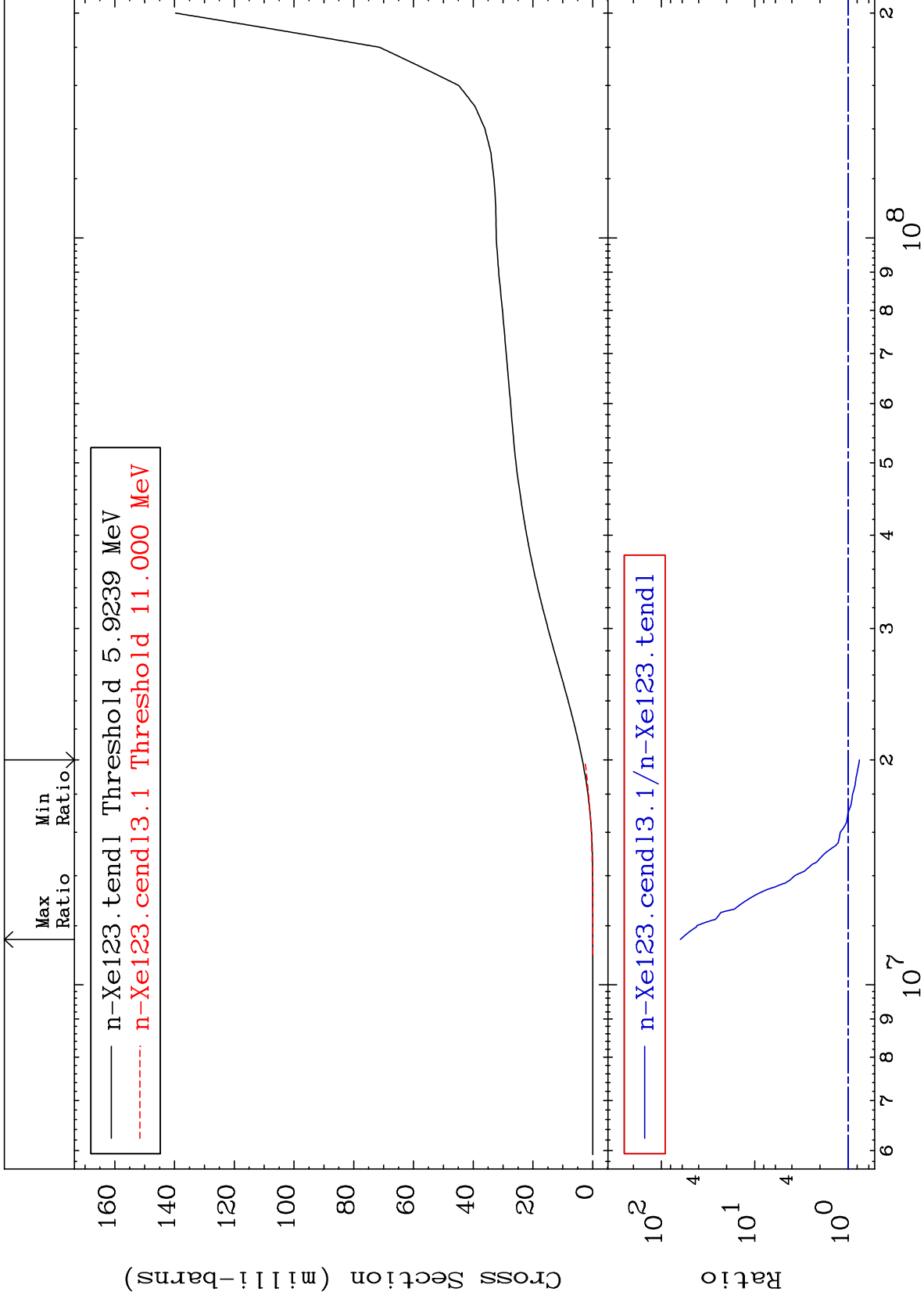


MAT 5422

Deuterium Production
Cross Section

54-Xe-123
-65.63 To 111.8 %

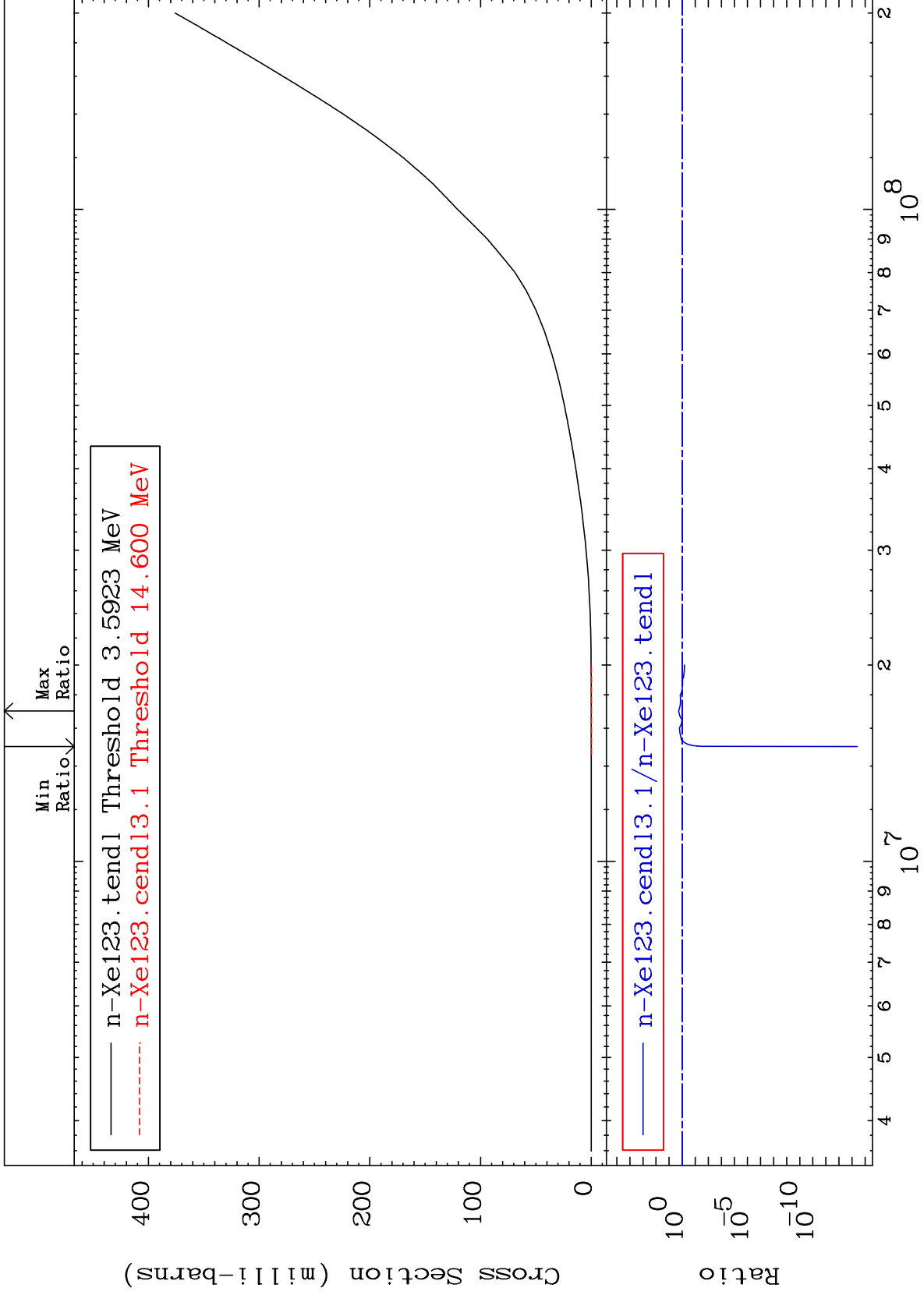




MAT 5422

He-3 Production
Cross Section

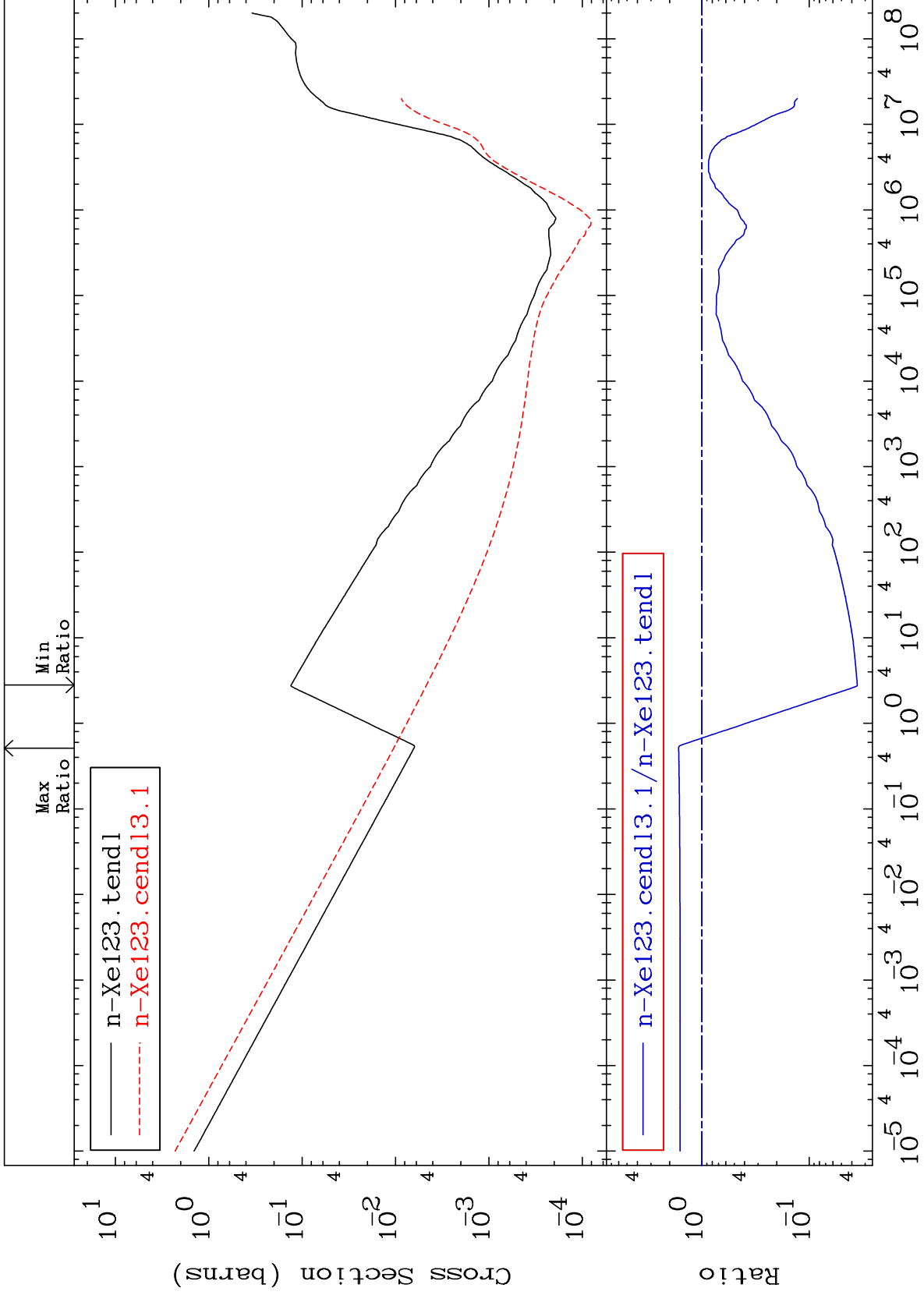
54-Xe-123
-100.0 To 86.03 %



MAT 5422

He-4 Production
Cross Section

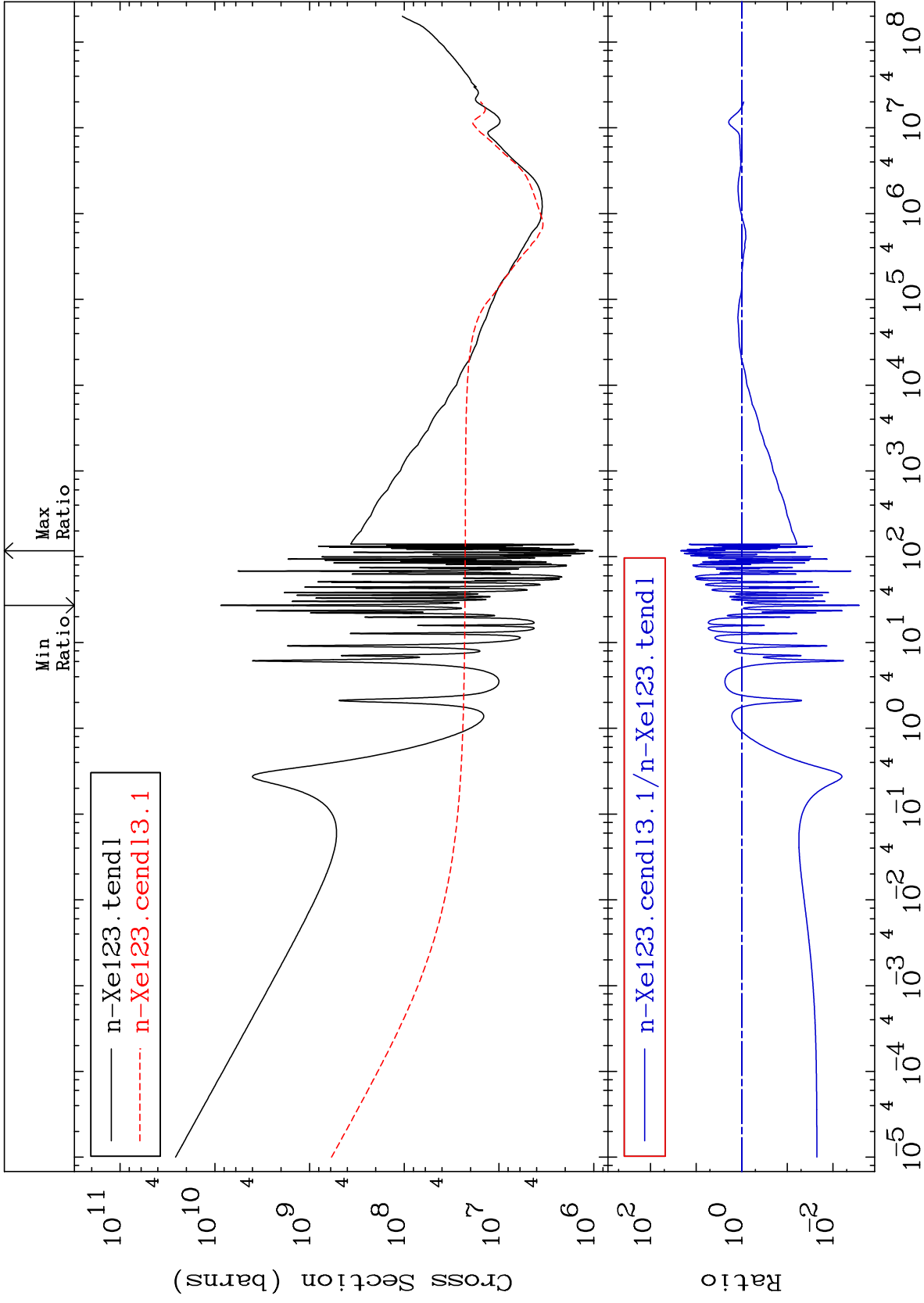
54-Xe-123
-96.45 To 65.16 %



37

Incident Energy (eV)

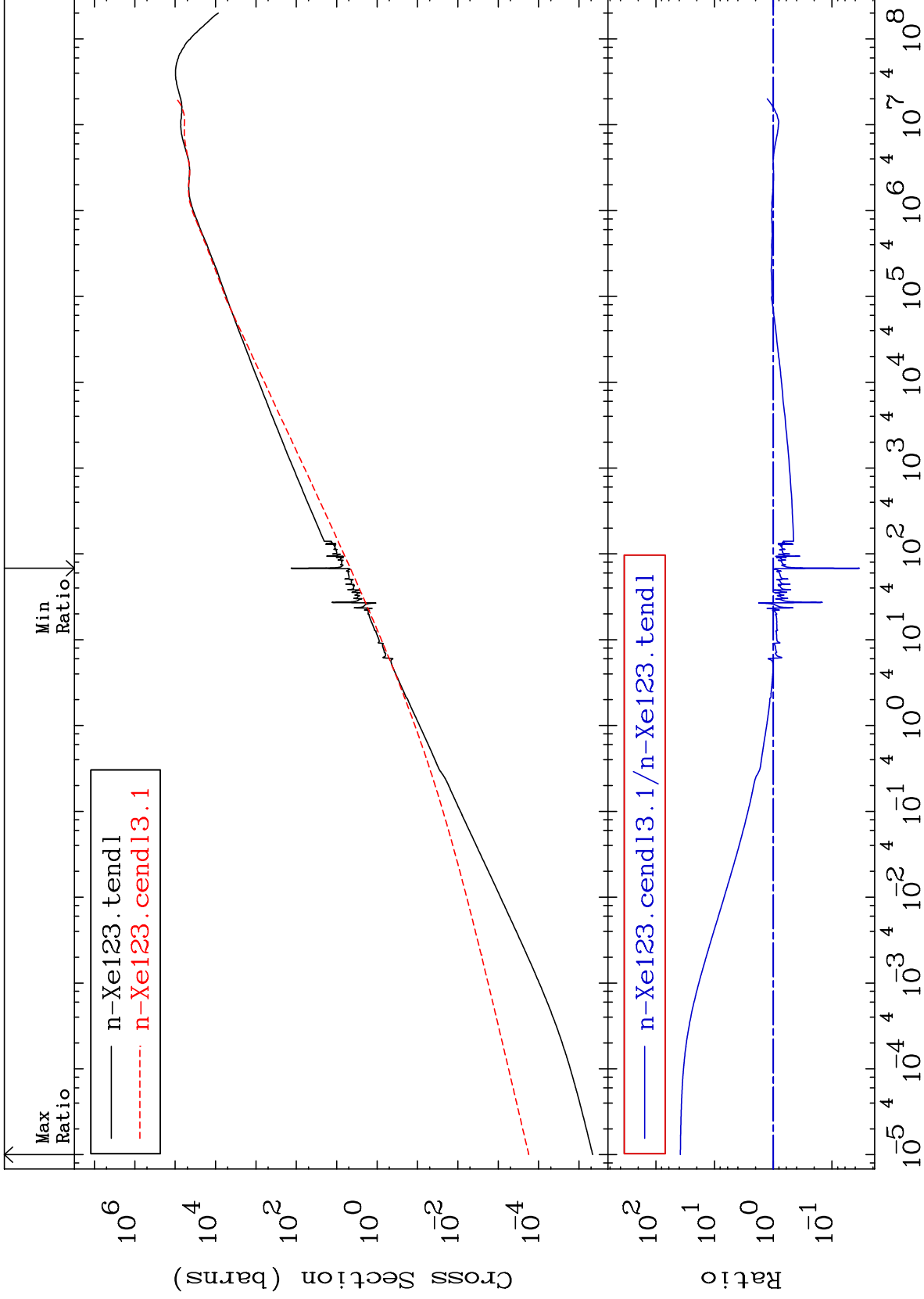
54-Xe-123

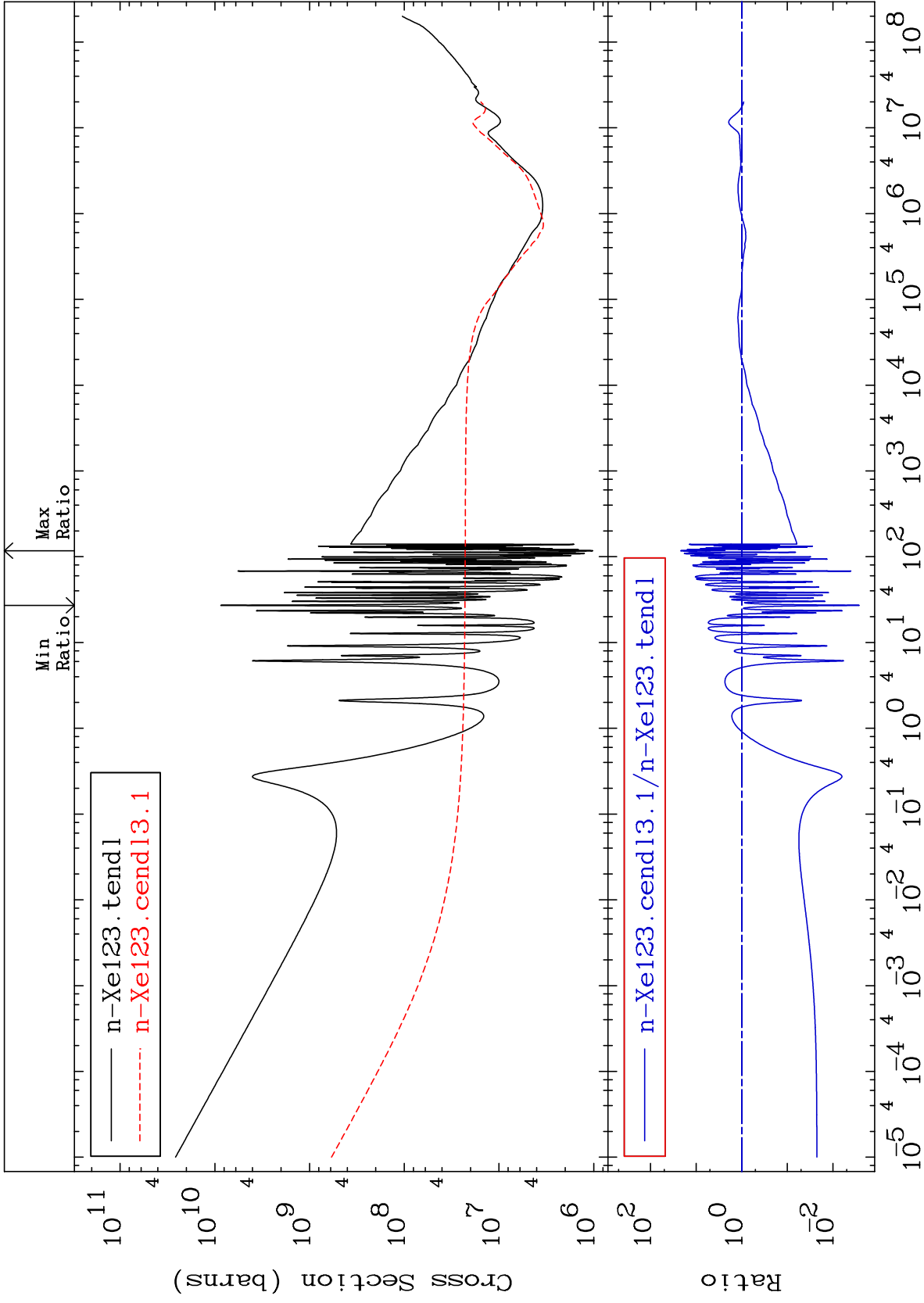


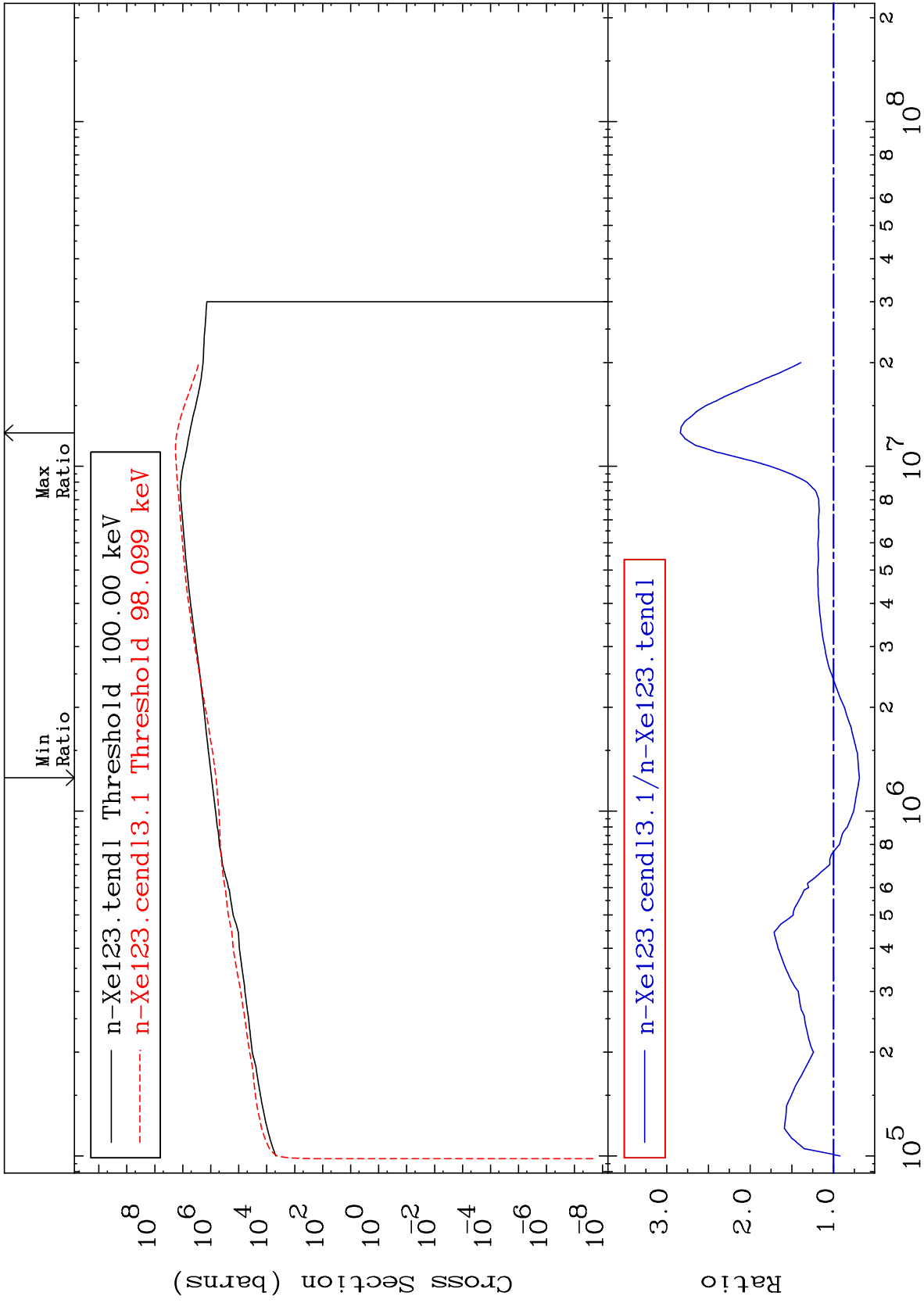
MAT 5422

Kerma elastic
Cross Section

54-Xe-123
-96.60 To 3720. %



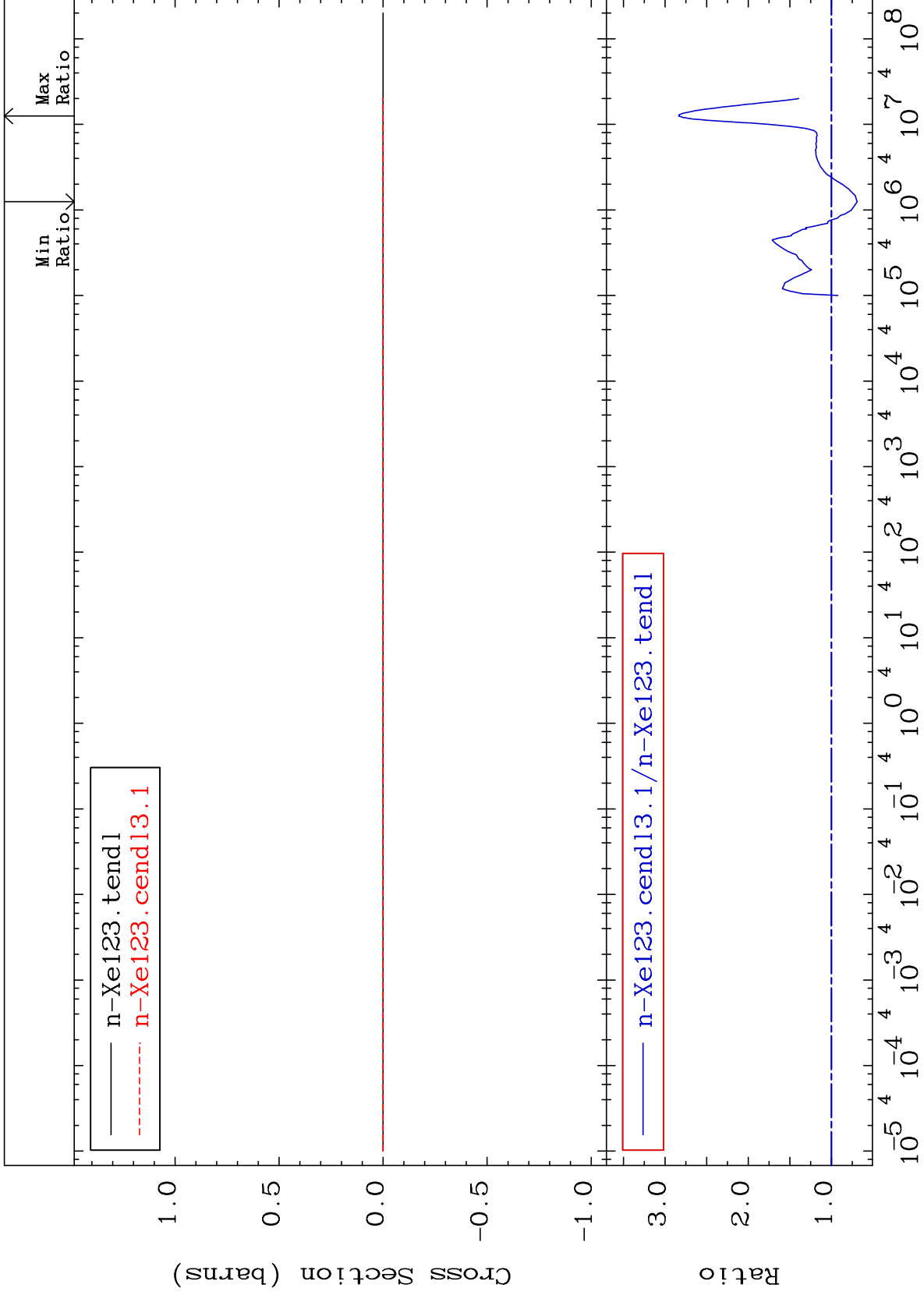




MAT 5422

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

54-Xe-123
-31.11 To 183.6 %



42

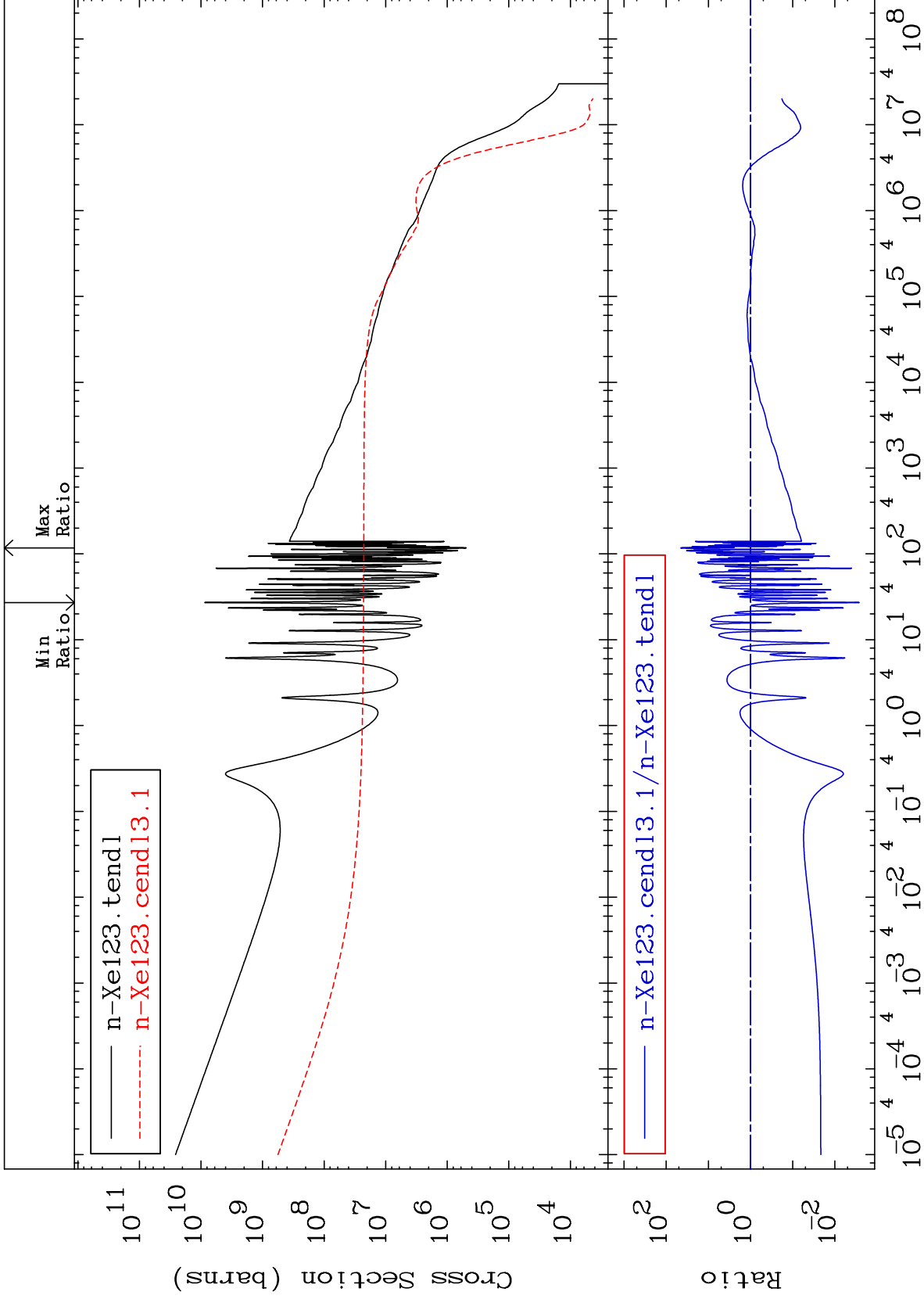
Incident Energy (eV)

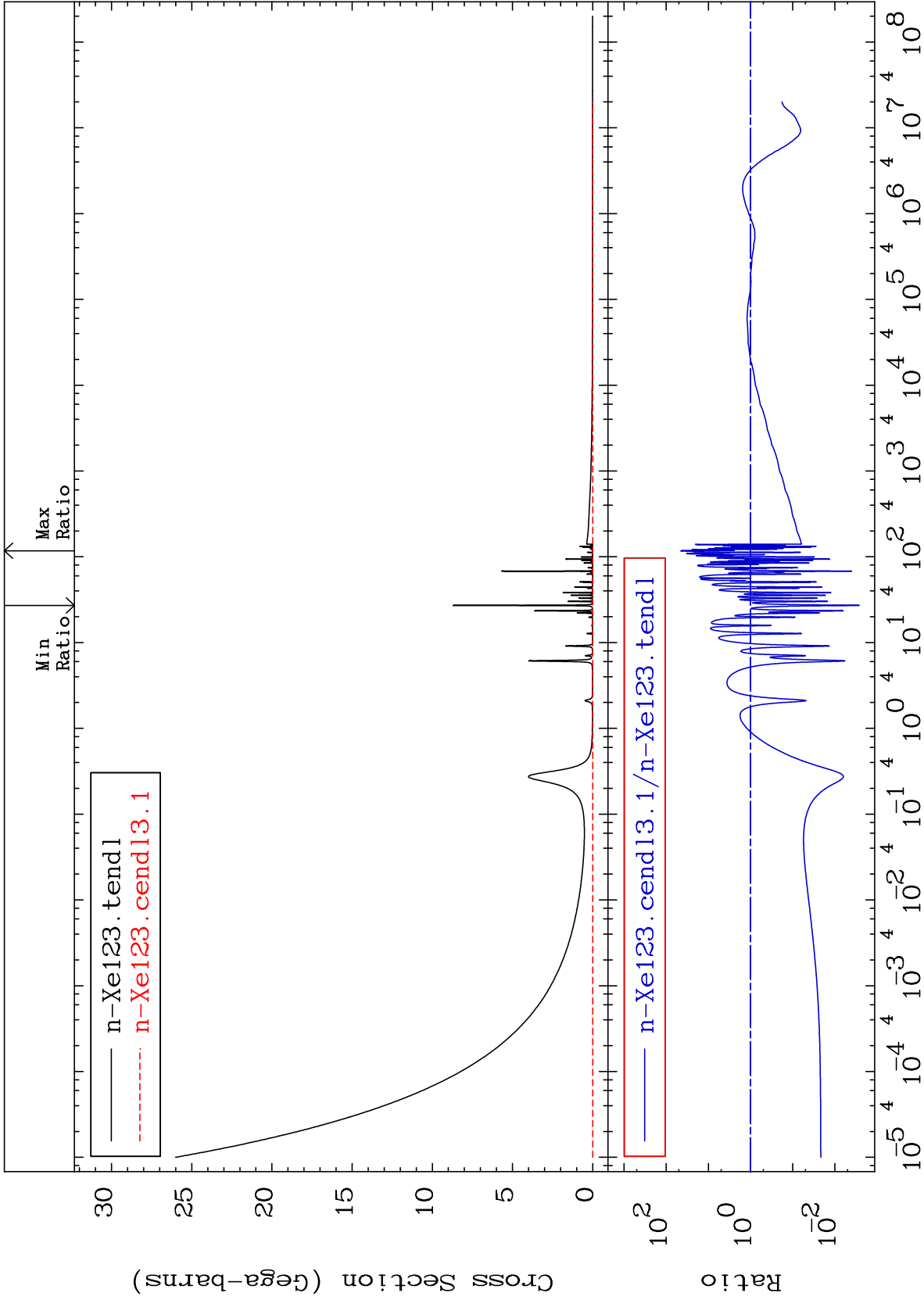
54-Xe-123

MAT 5422

Kerma capture (mt102)
Cross Section

54-Xe-123
-99.74 To 4525. %

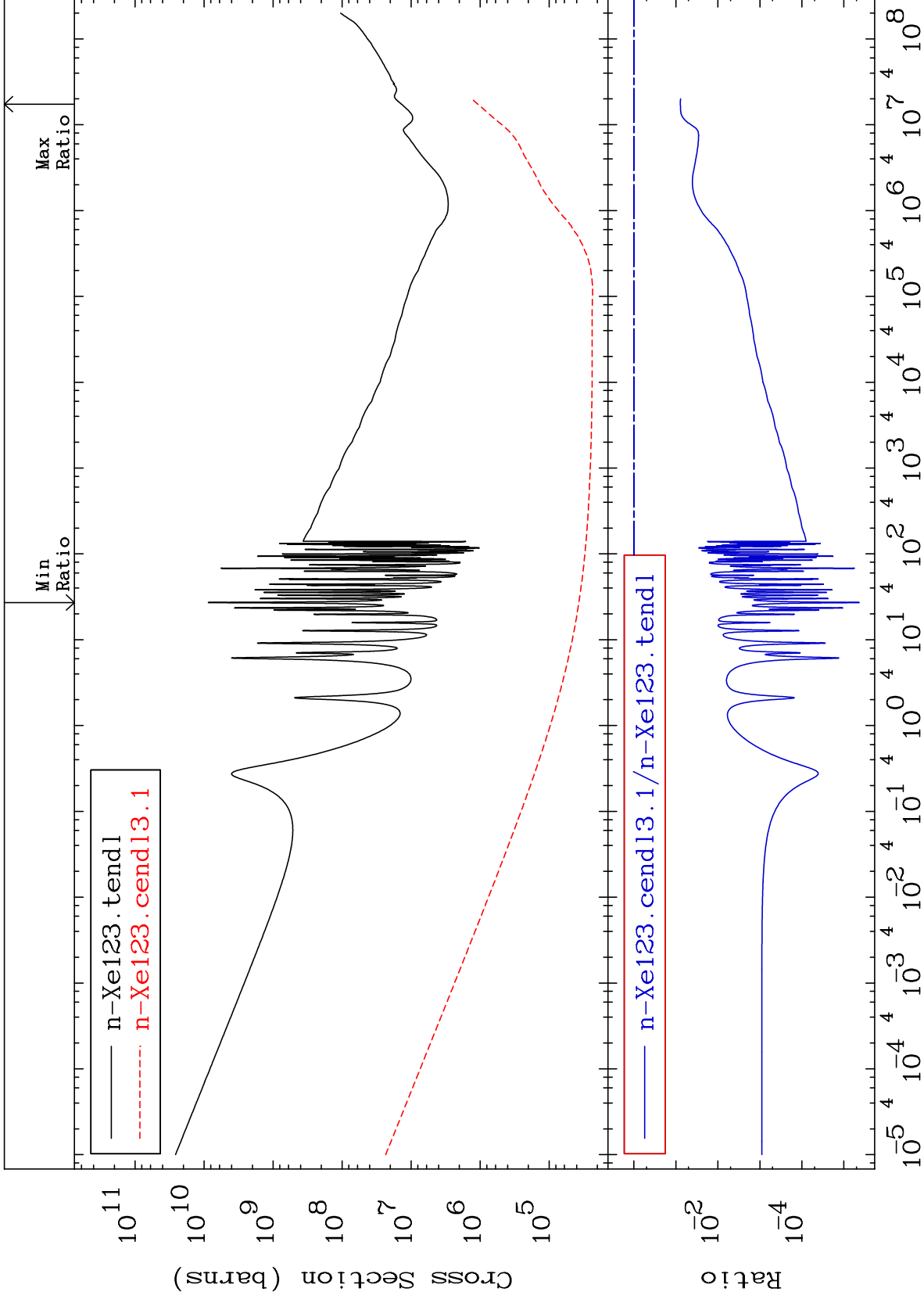




MAT 5422

Total kinematic kerma (high limit)
Cross Section

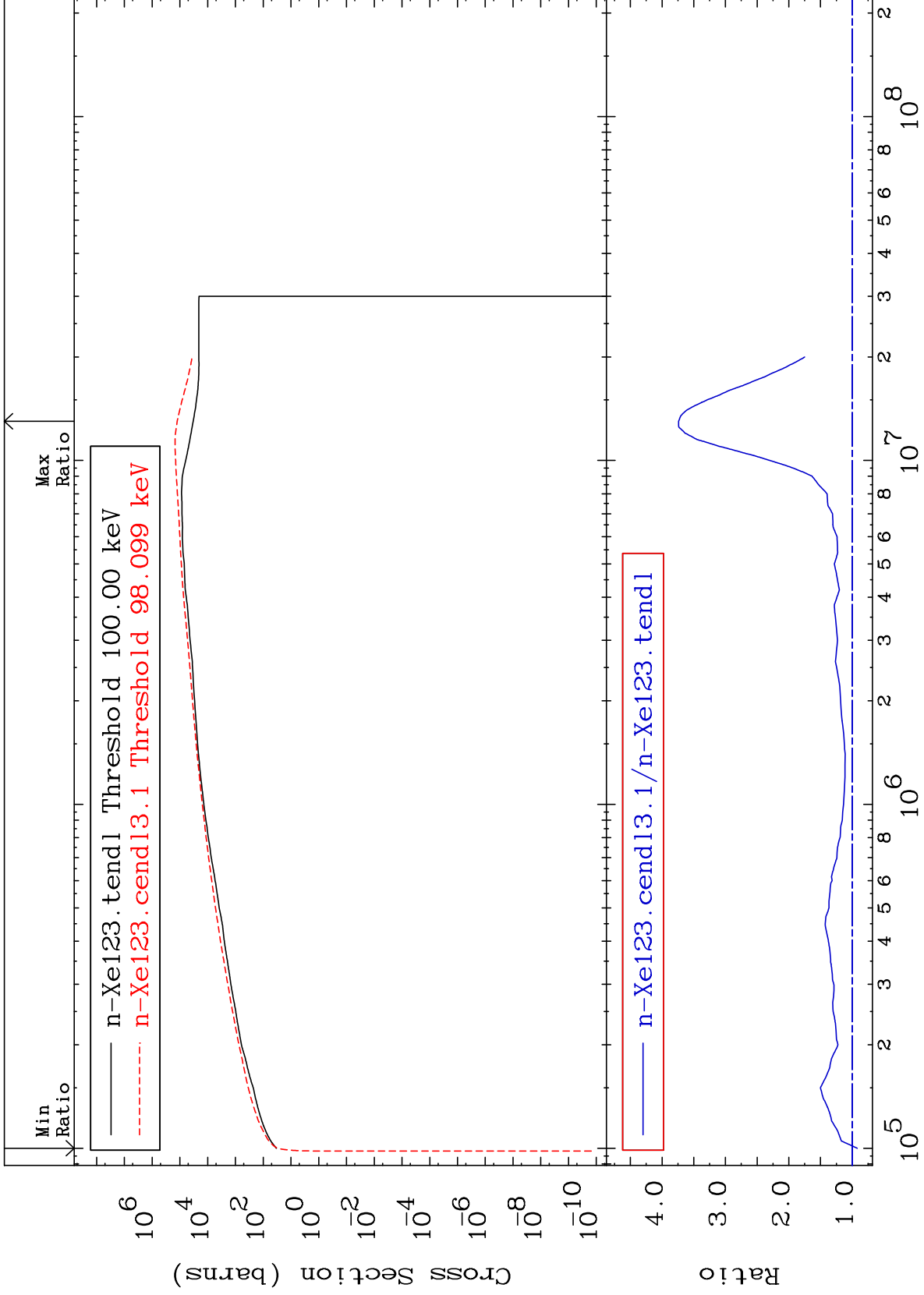
54-Xe-123
-100.0 To -92.17%



MAT 5422

Dpa inelastic (mt51-91)
Cross Section

54-Xe-123
-7.939 To 273.9 %



48

Incident Energy (eV)

54-Xe-123

MAT 5422

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-123
-96.39 To 730.7 %

