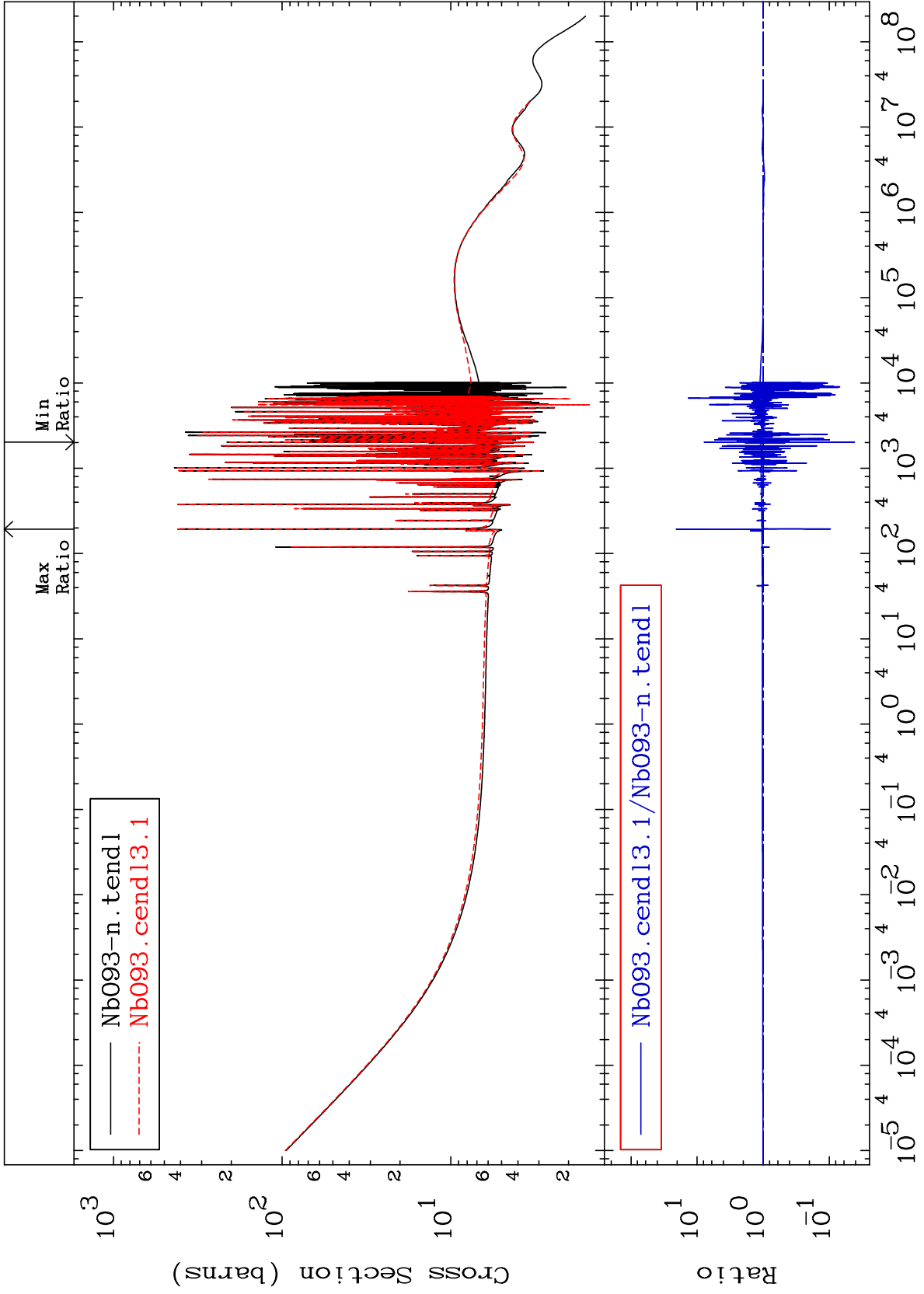


MAT 4125

Total
Cross Section

41-Nb-93
-95.83 To 1961. %

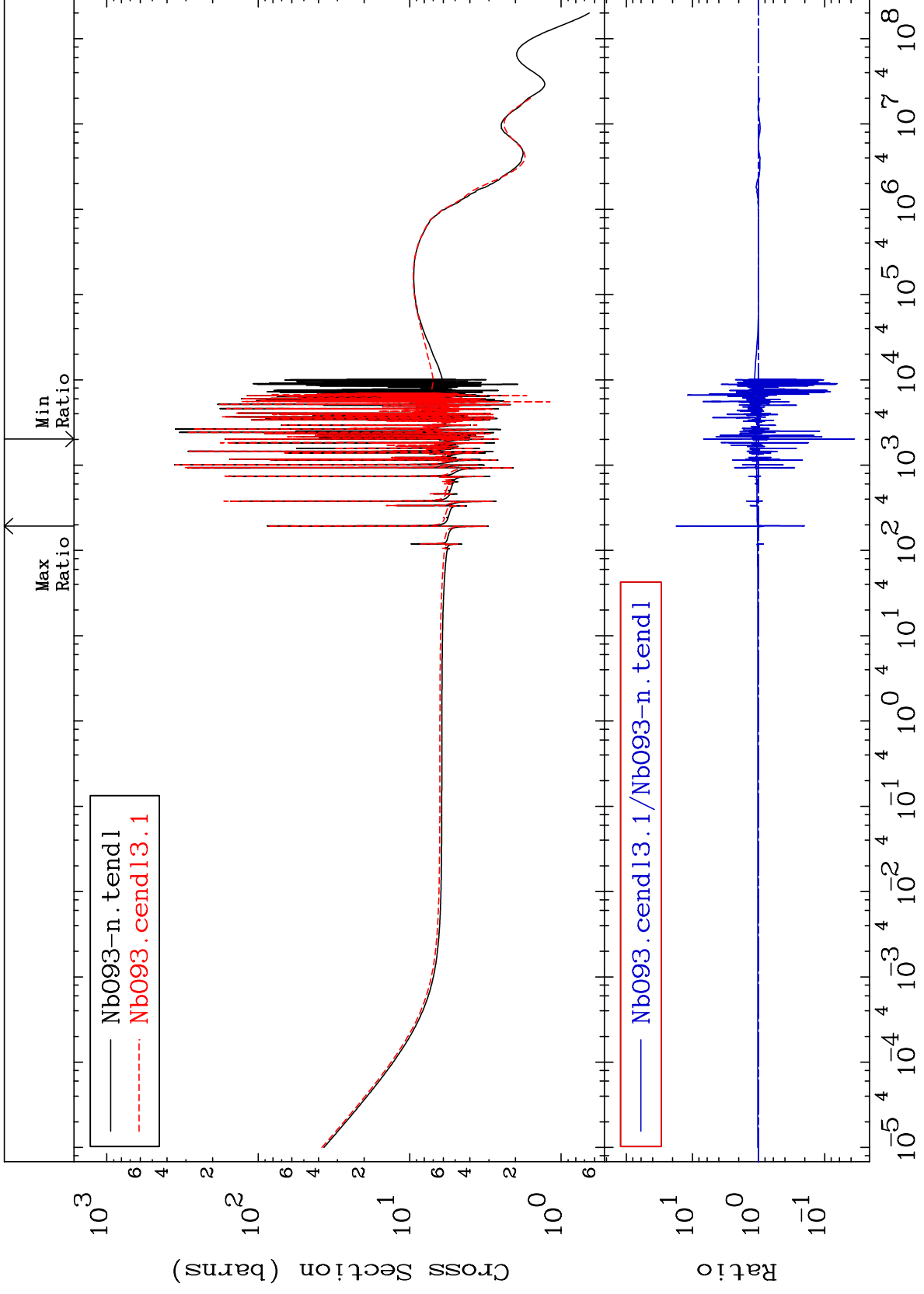


41-Nb-93

MAT 4125

Elastic
Cross Section

41-Nb-93
-96.43 To 1657. %



Incident Energy (eV)

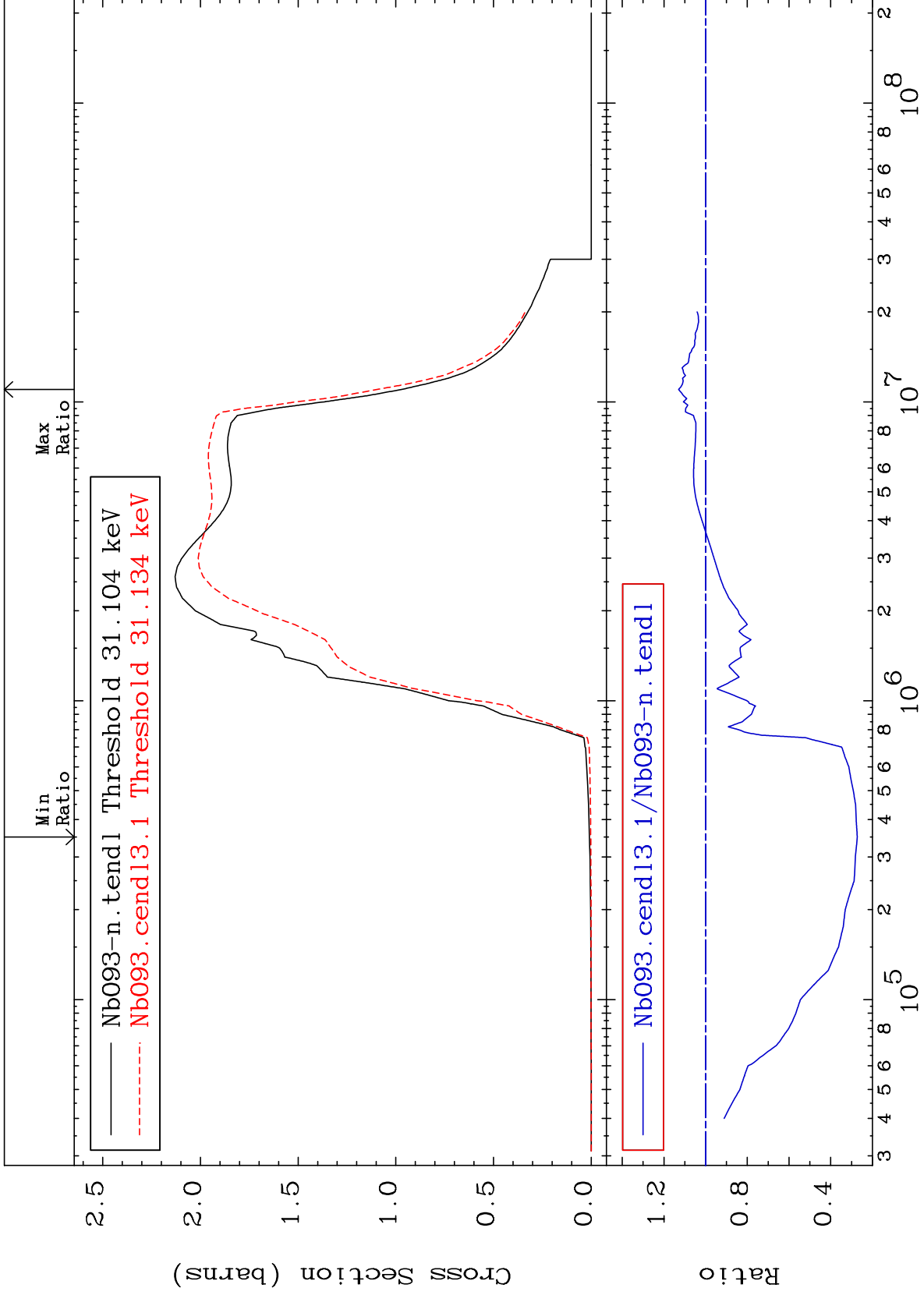
41-Nb-93

2

MAT 4125

Inelastic
Cross Section

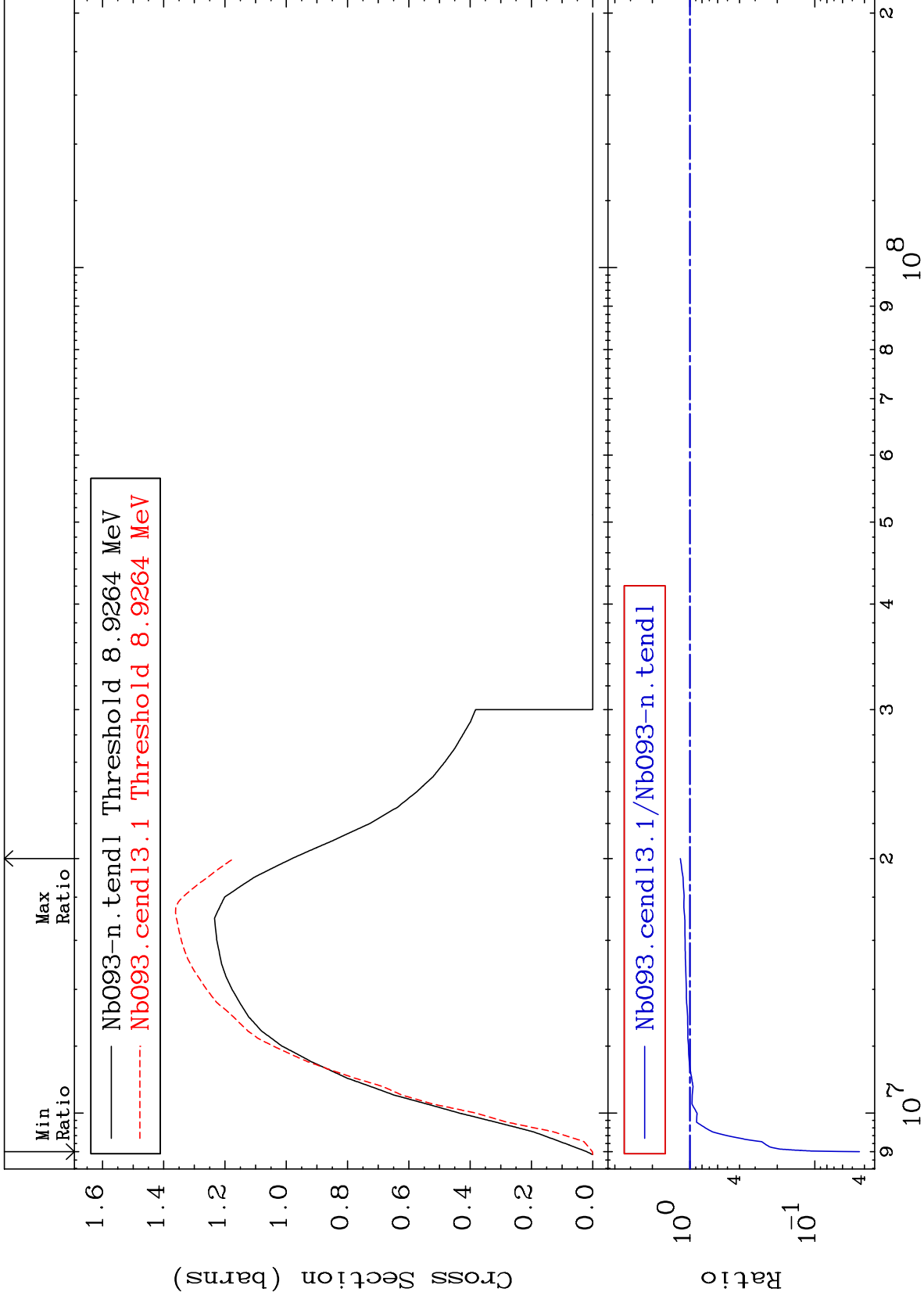
41-Nb-93
-72.74 To 12.96 %



MAT 4125

(n,2n)
Cross Section

41-Nb-93
-95.62 To 19.39 %



41-Nb-93

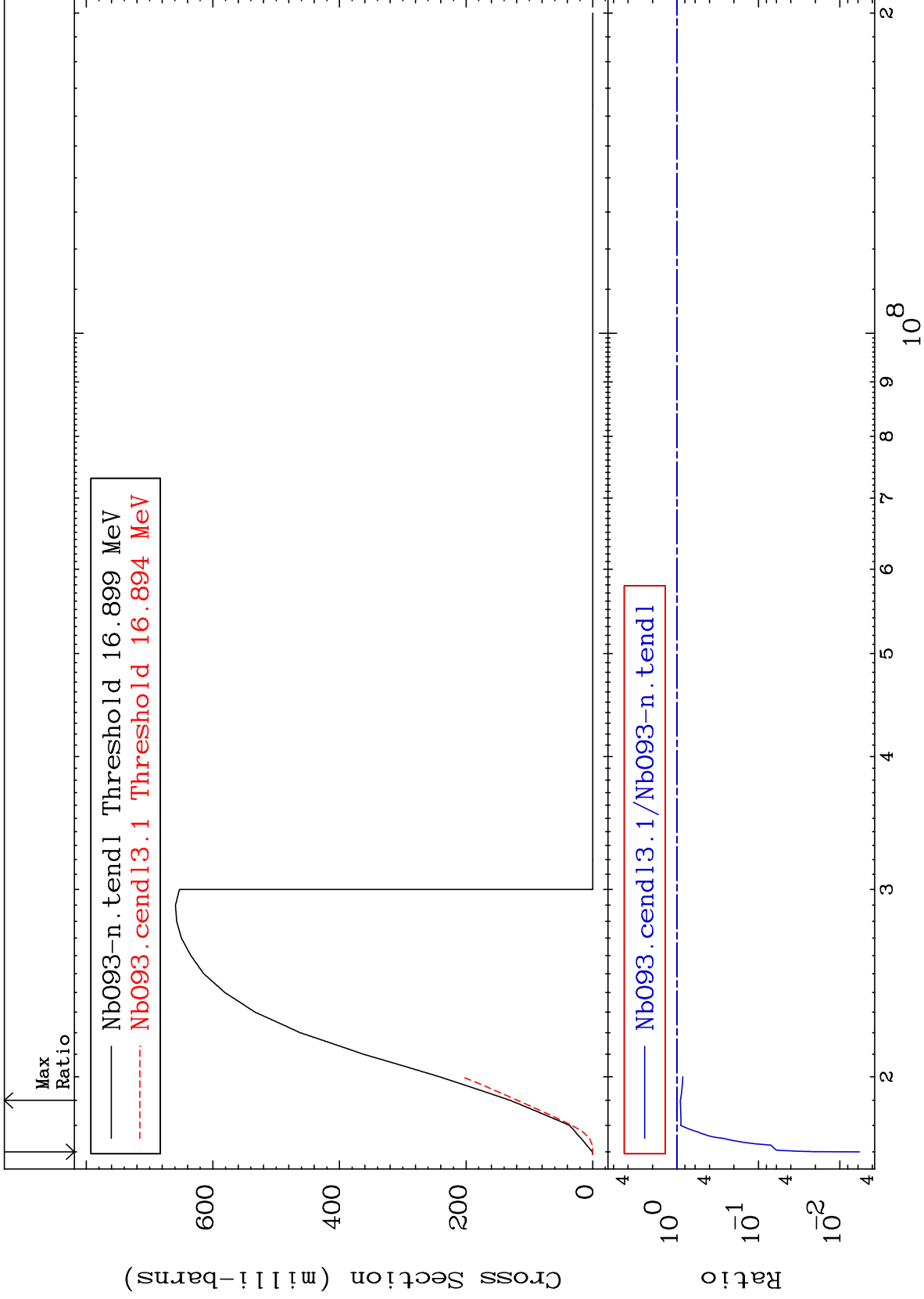
Incident Energy (eV)

4

MAT 4125

(n,3n)
Cross Section

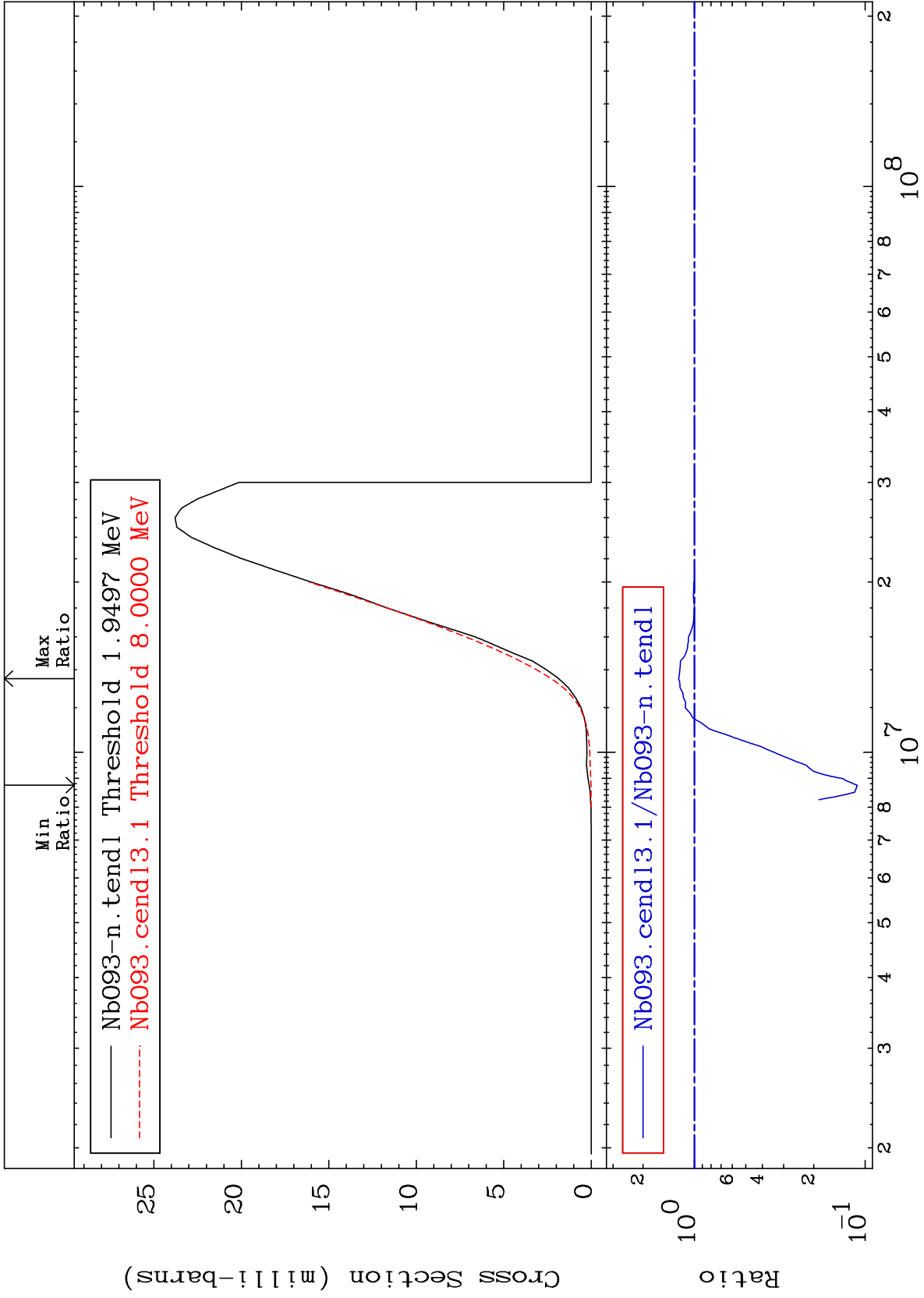
41-Nb-93
-99.43 To -9.003%



MAT 4125

41-Nb-93
-88.88 To 23.84 %

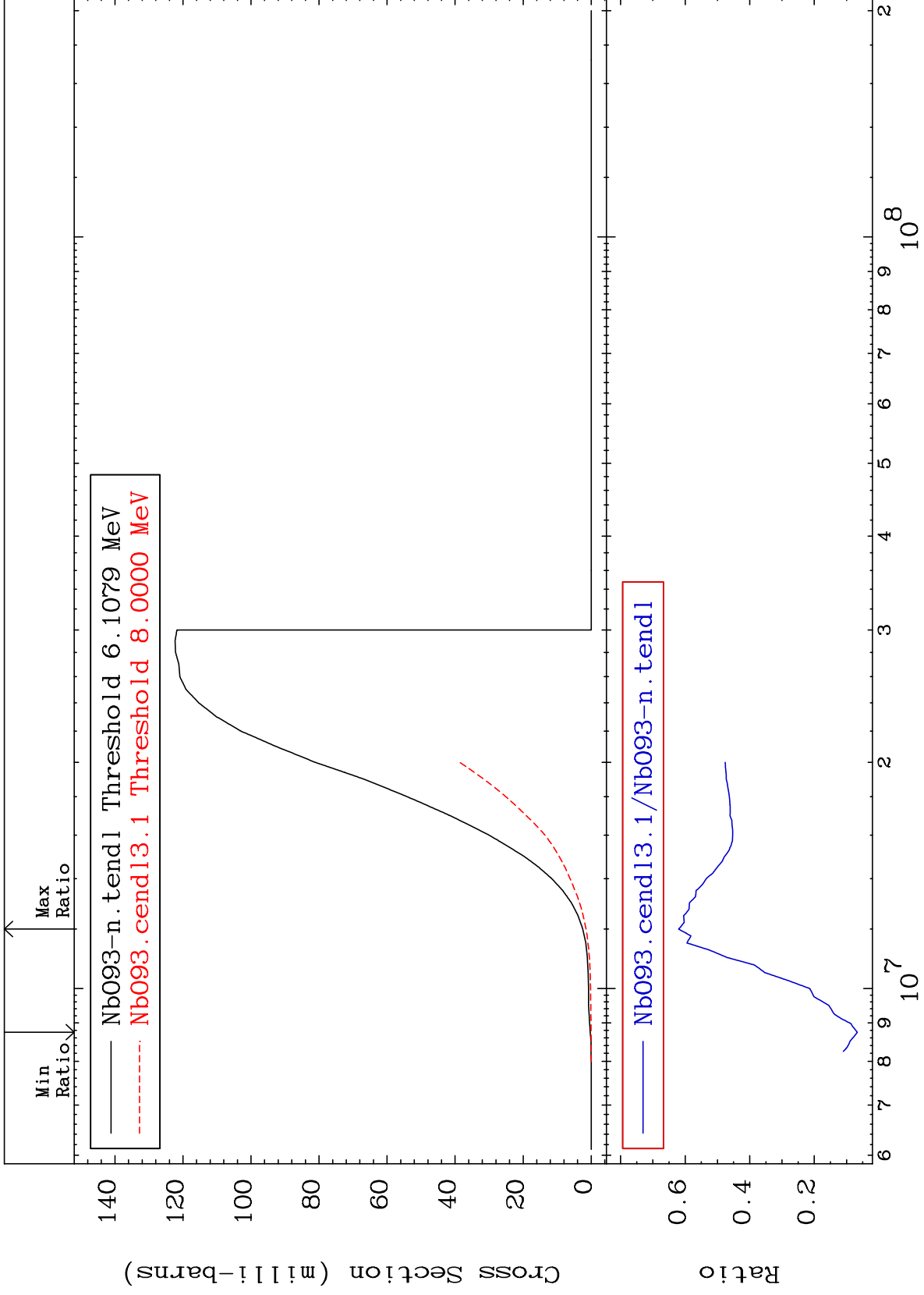
(n, n') α
Cross Section



MAT 4125

(n,n') p
Cross Section

41-Nb-93
-93.31 To -37.98%



7

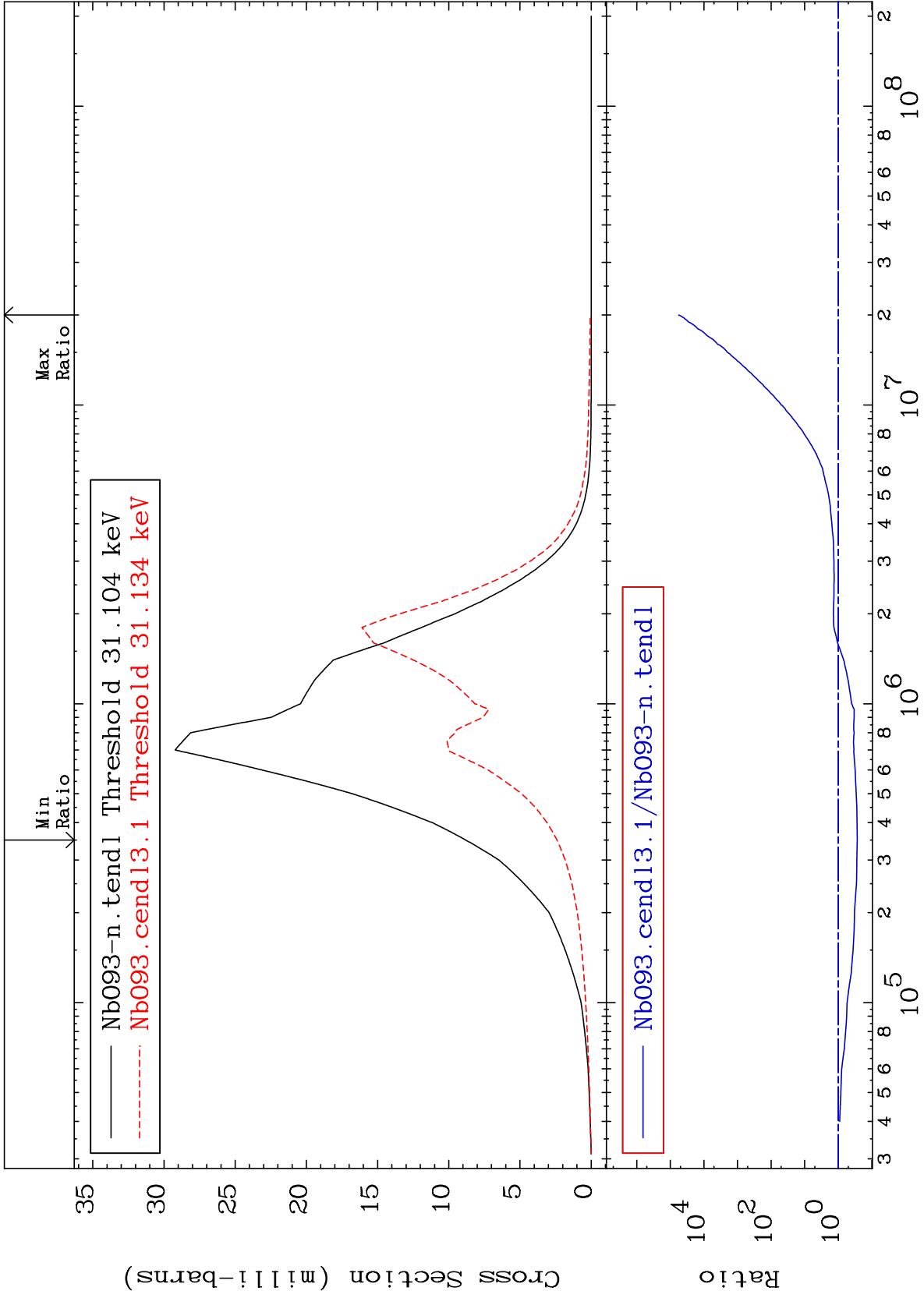
Incident Energy (eV)

41-Nb-93

MAT 4125

30.77 keV (n,n') Level
Cross Section

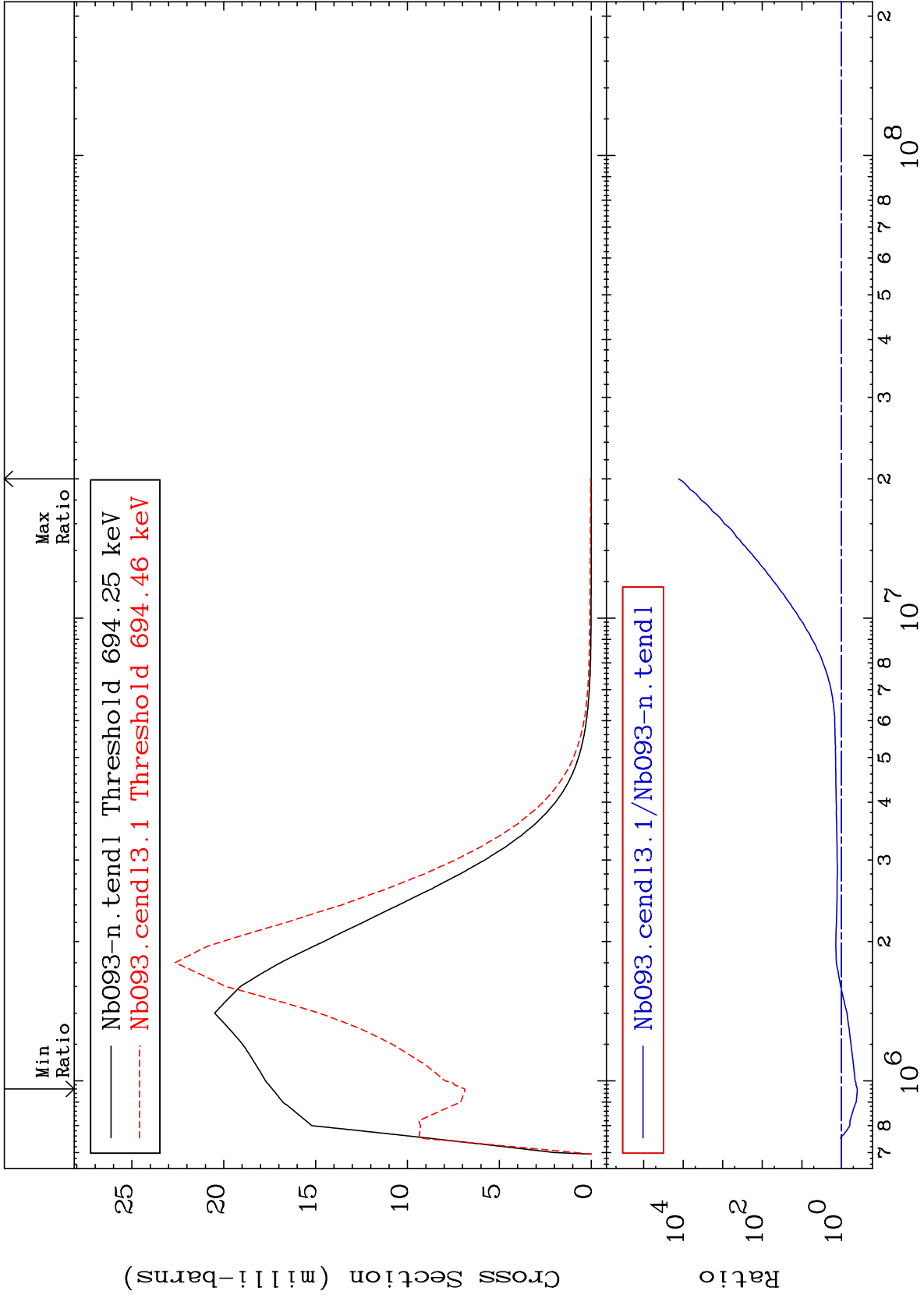
41-Nb-93
-72.74 To 9999. %



MAT 4125

686.8 keV (n,n') Level
Cross Section

41-Nb-93
-60.37 To 9999. %



9

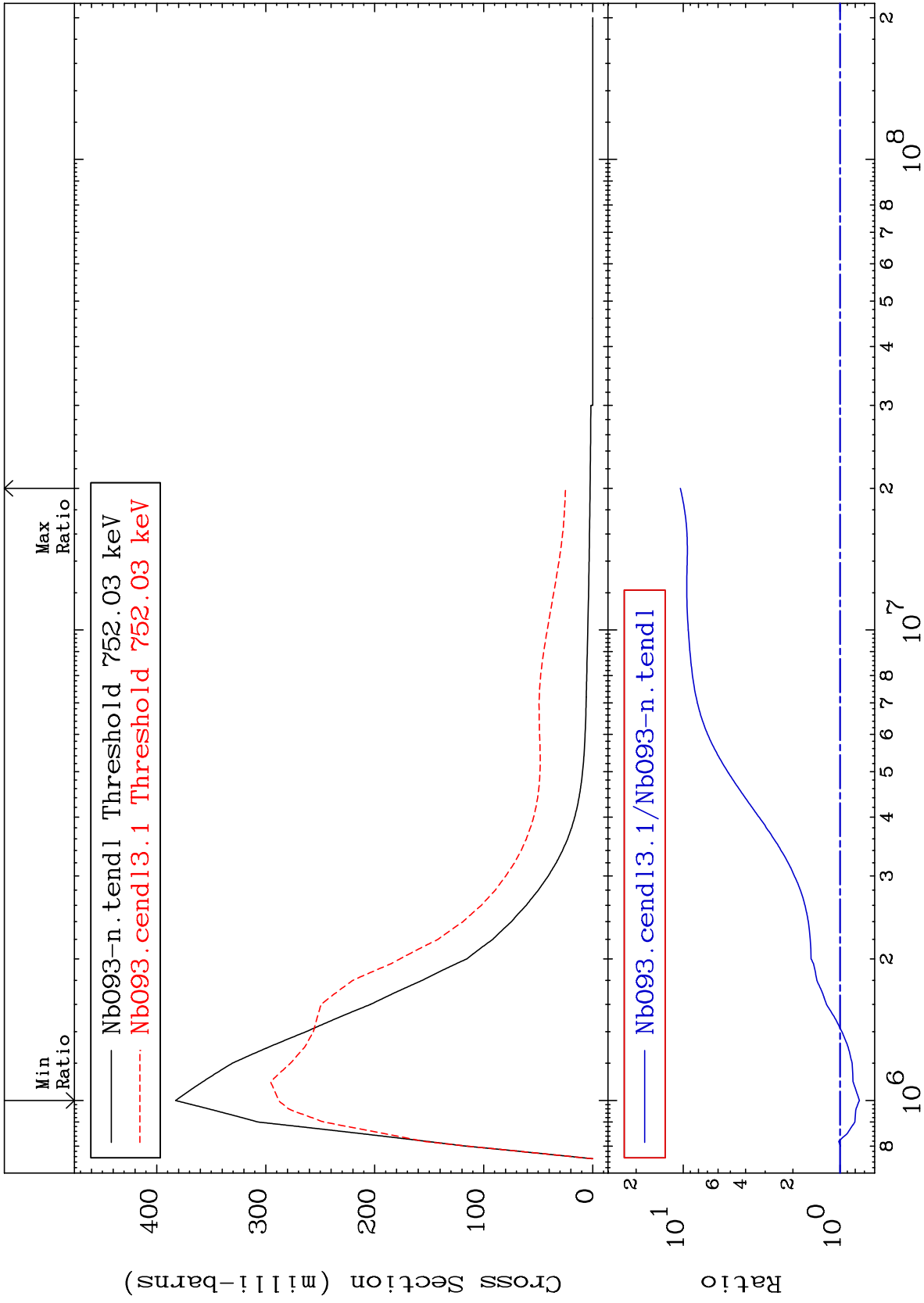
Incident Energy (eV)

41-Nb-93

MAT 4125

744.0 keV (n,n') Level
Cross Section

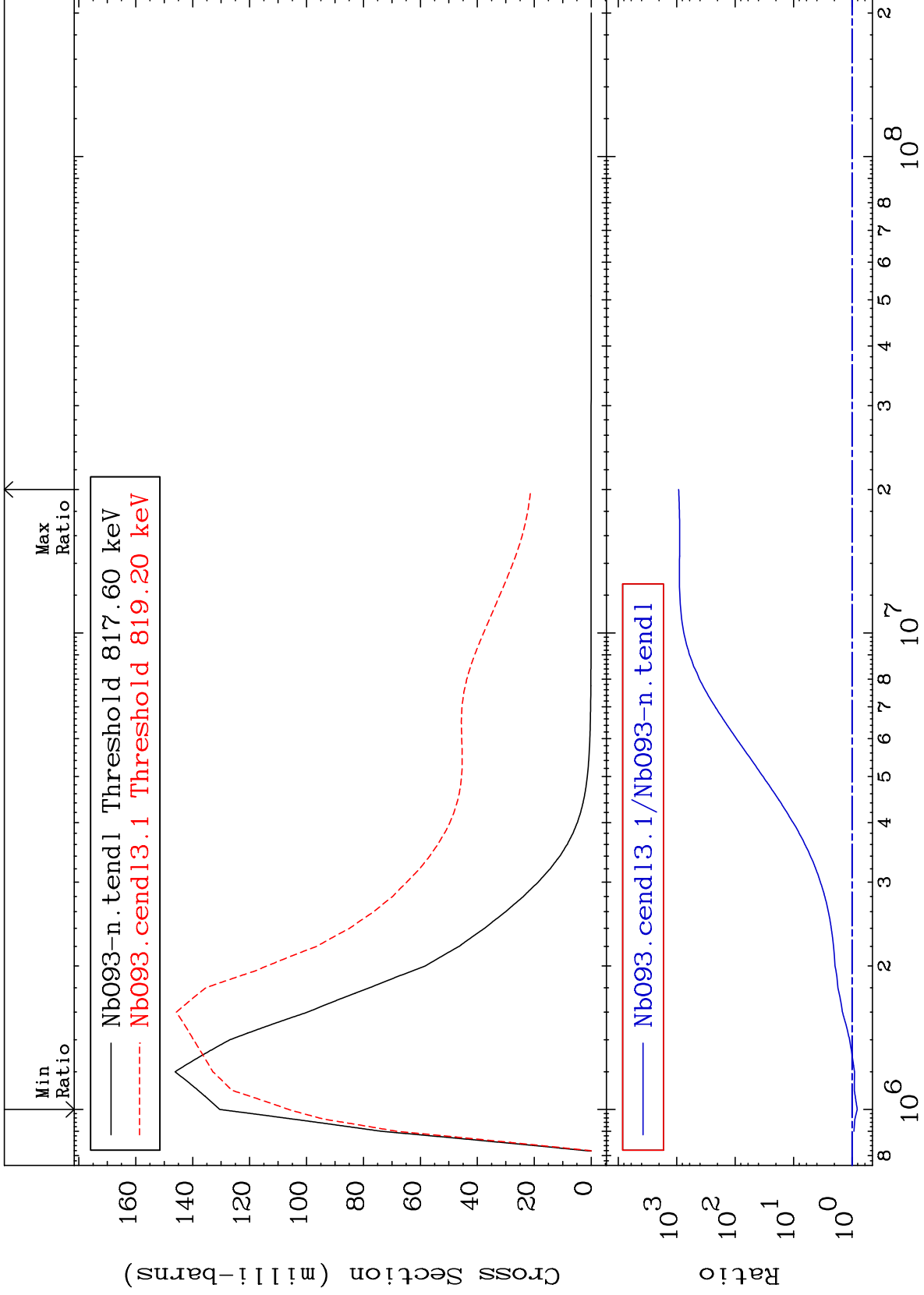
41-Nb-93
-24.73 To 943.0 %



MAT 4125

808.8 keV (n,n') Level
Cross Section

41-Nb-93
-18.55 To 9999. %



11

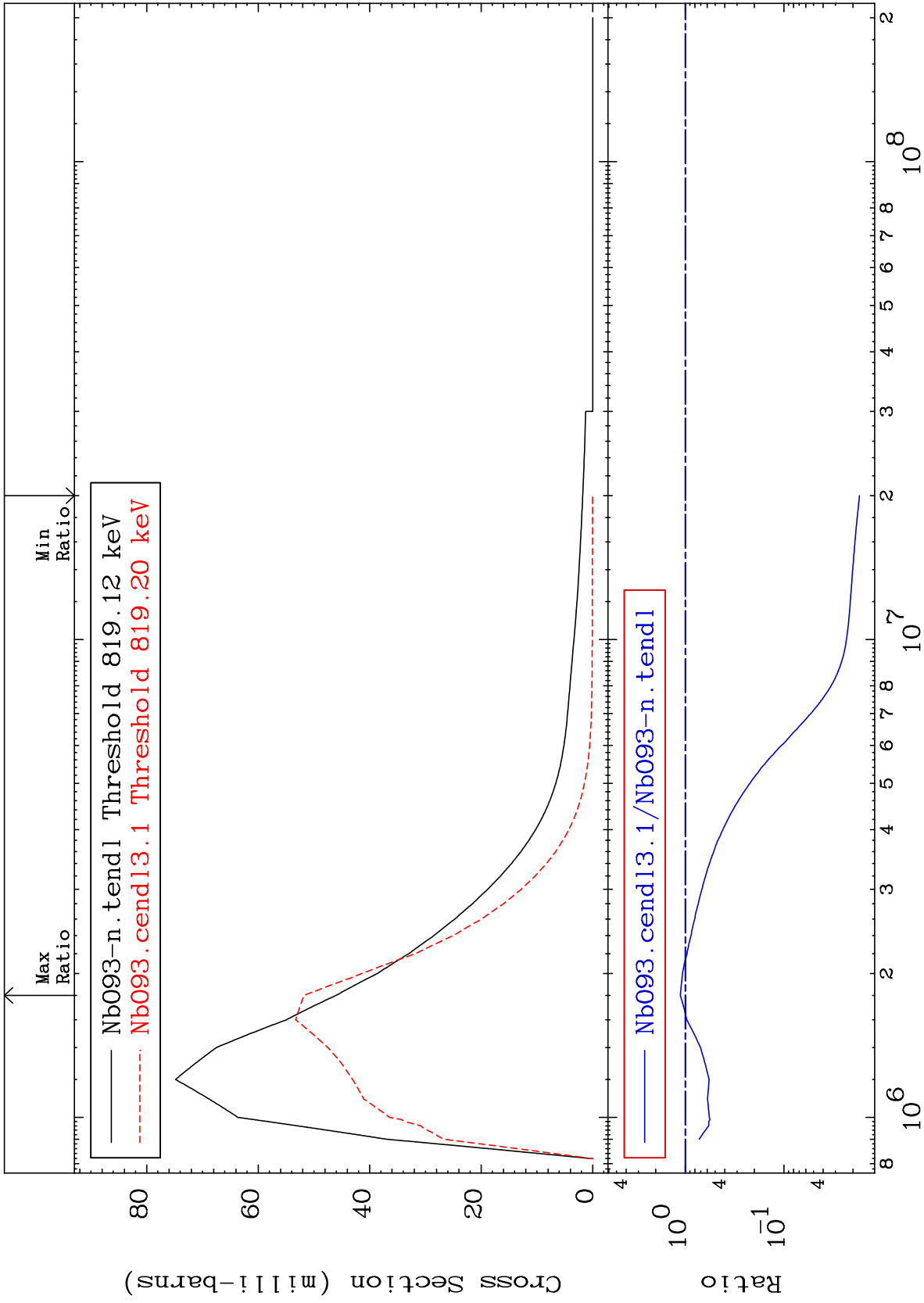
Incident Energy (eV)

41-Nb-93

MAT 4125

810.3 keV (n,n') Level
Cross Section

41-Nb-93
-98.28 To 12.52 %



12

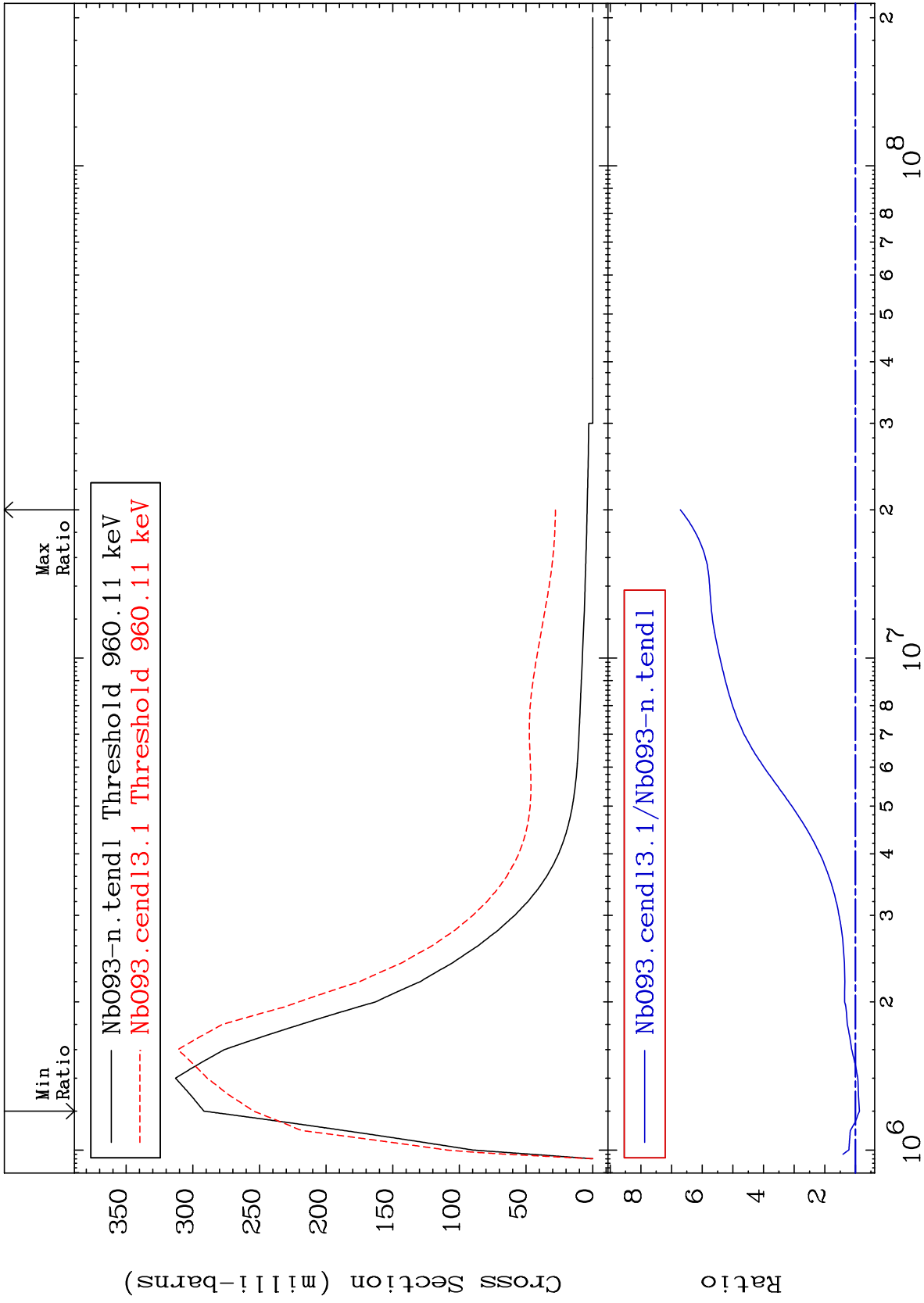
Incident Energy (eV)

41-Nb-93

MAT 4125

949.8 keV (n,n') Level
Cross Section

41-Nb-93
-12.77 To 571.3 %



13

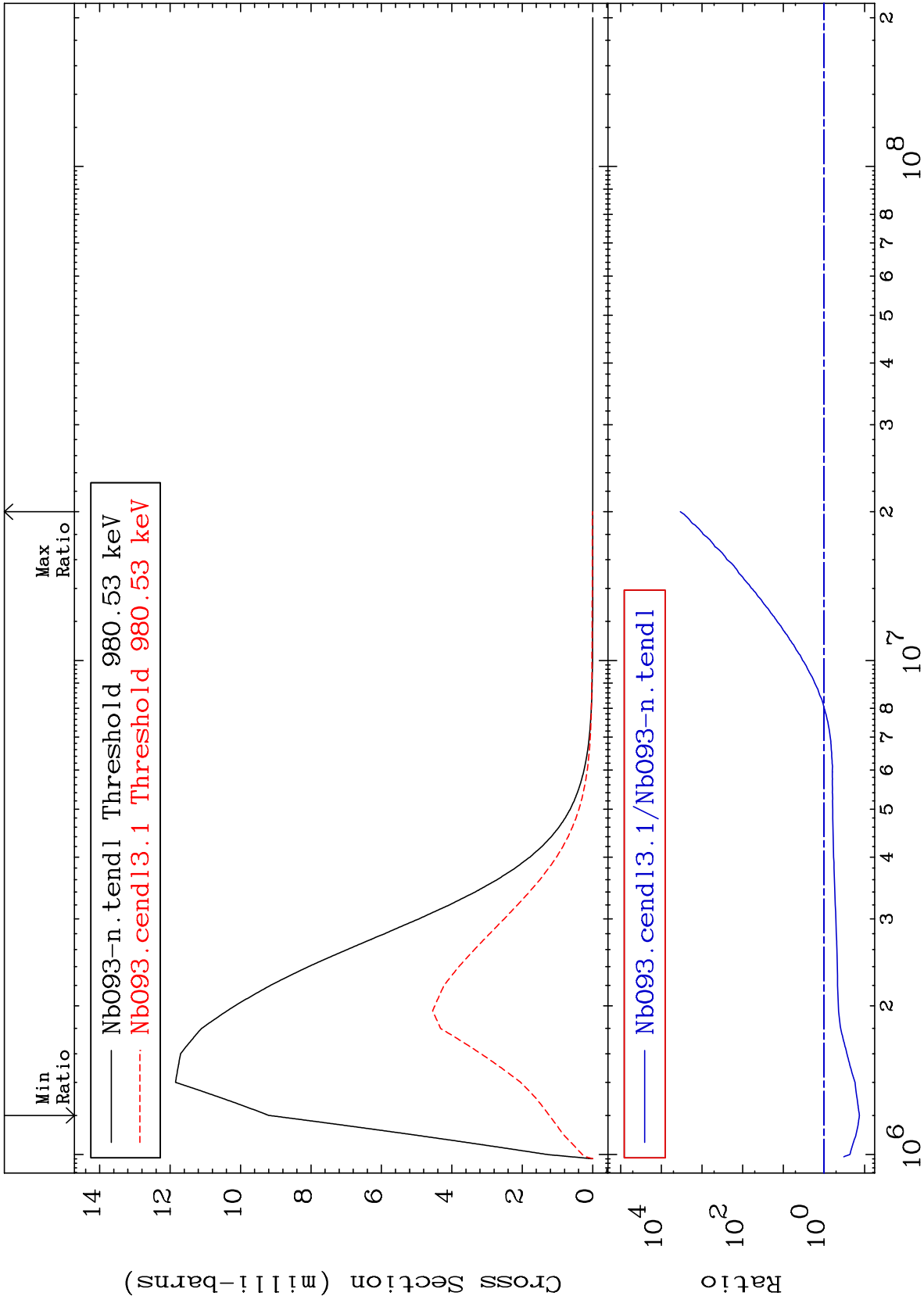
Incident Energy (eV)

41-Nb-93

MAT 4125

970.0 keV (n,n') Level
Cross Section

41-Nb-93
-86.60 To 9999. %



14

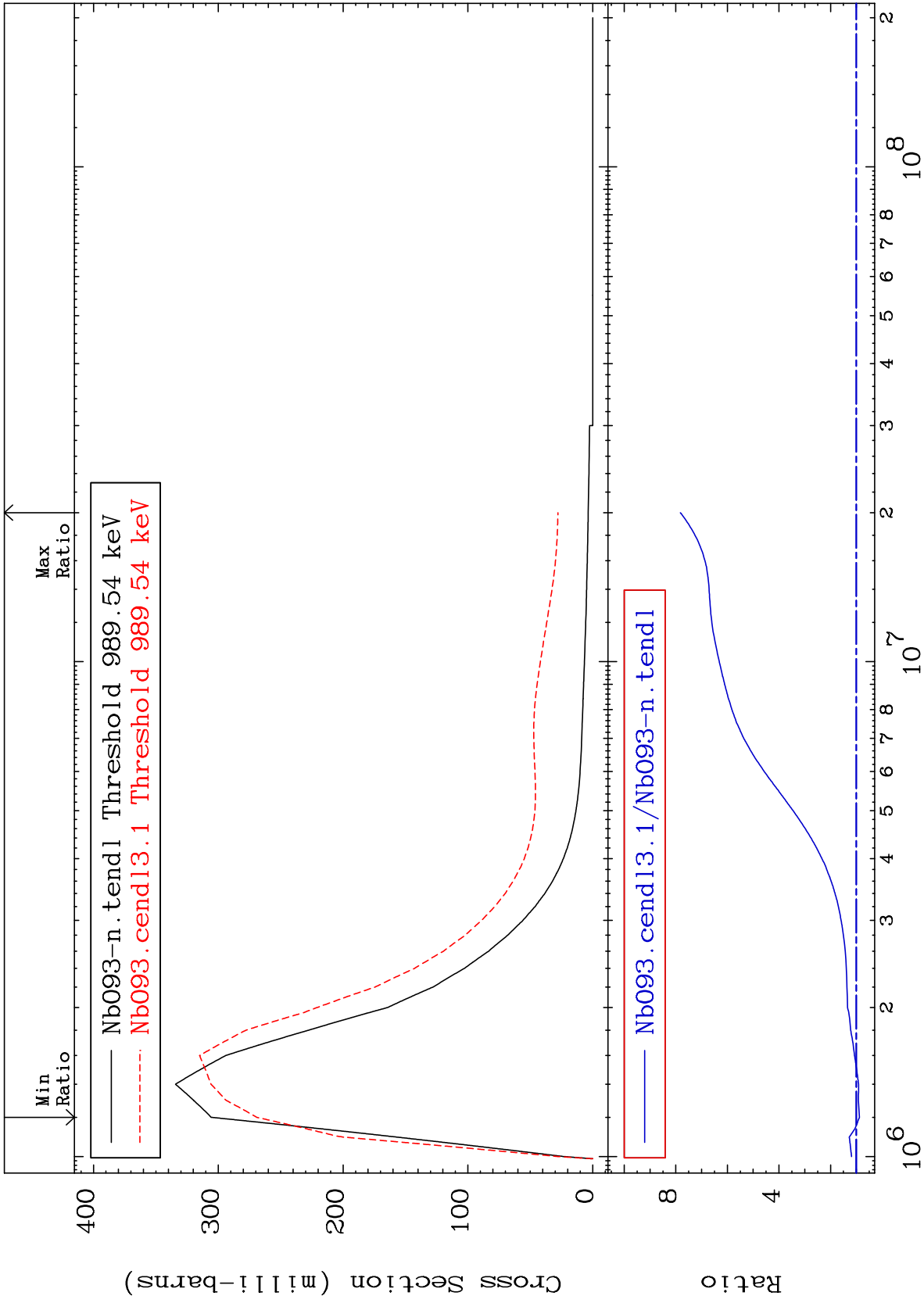
Incident Energy (eV)

41-Nb-93

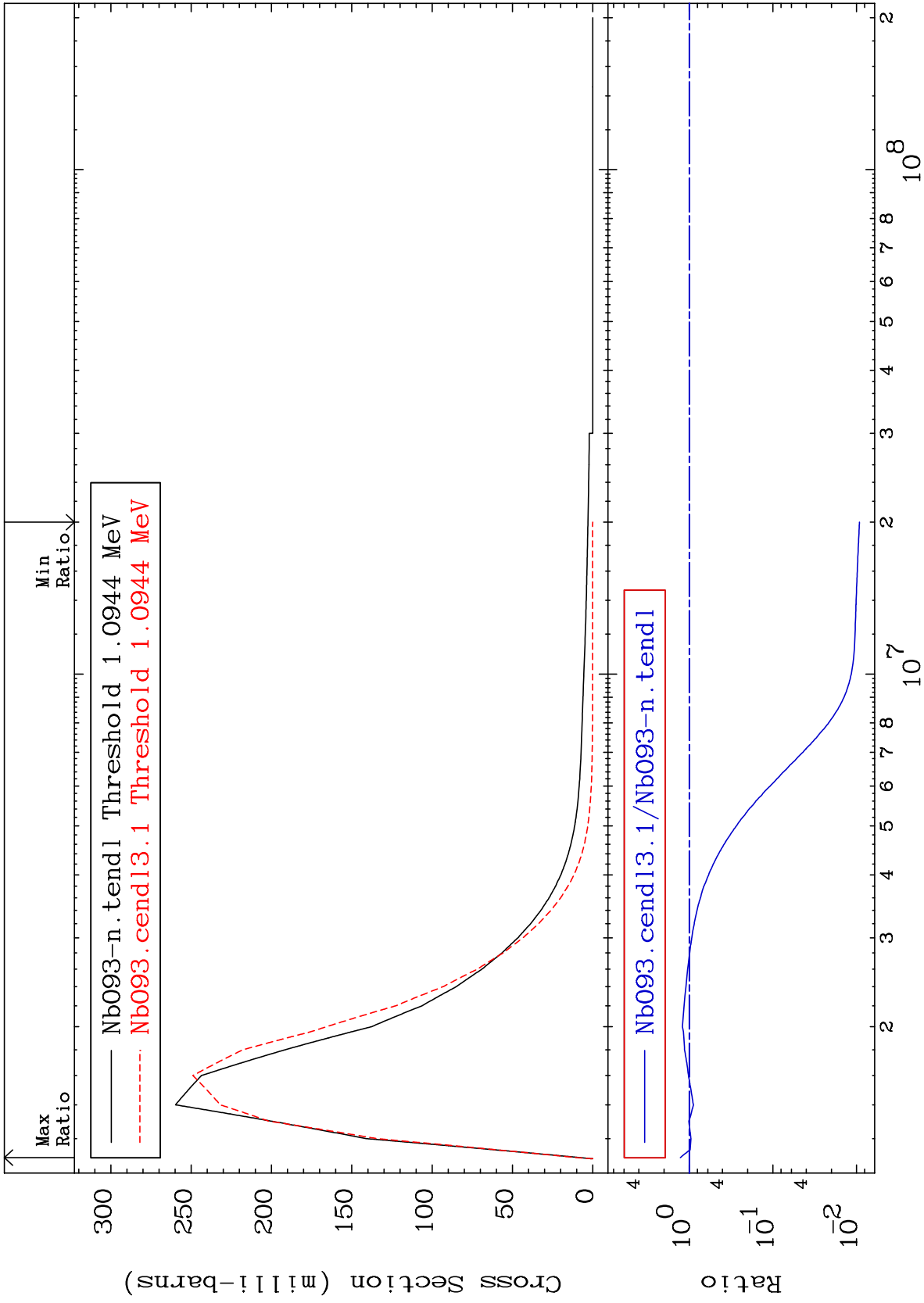
MAT 4125

978.9 keV (n,n') Level
Cross Section

41-Nb-93
-11.94 To 682.4 %



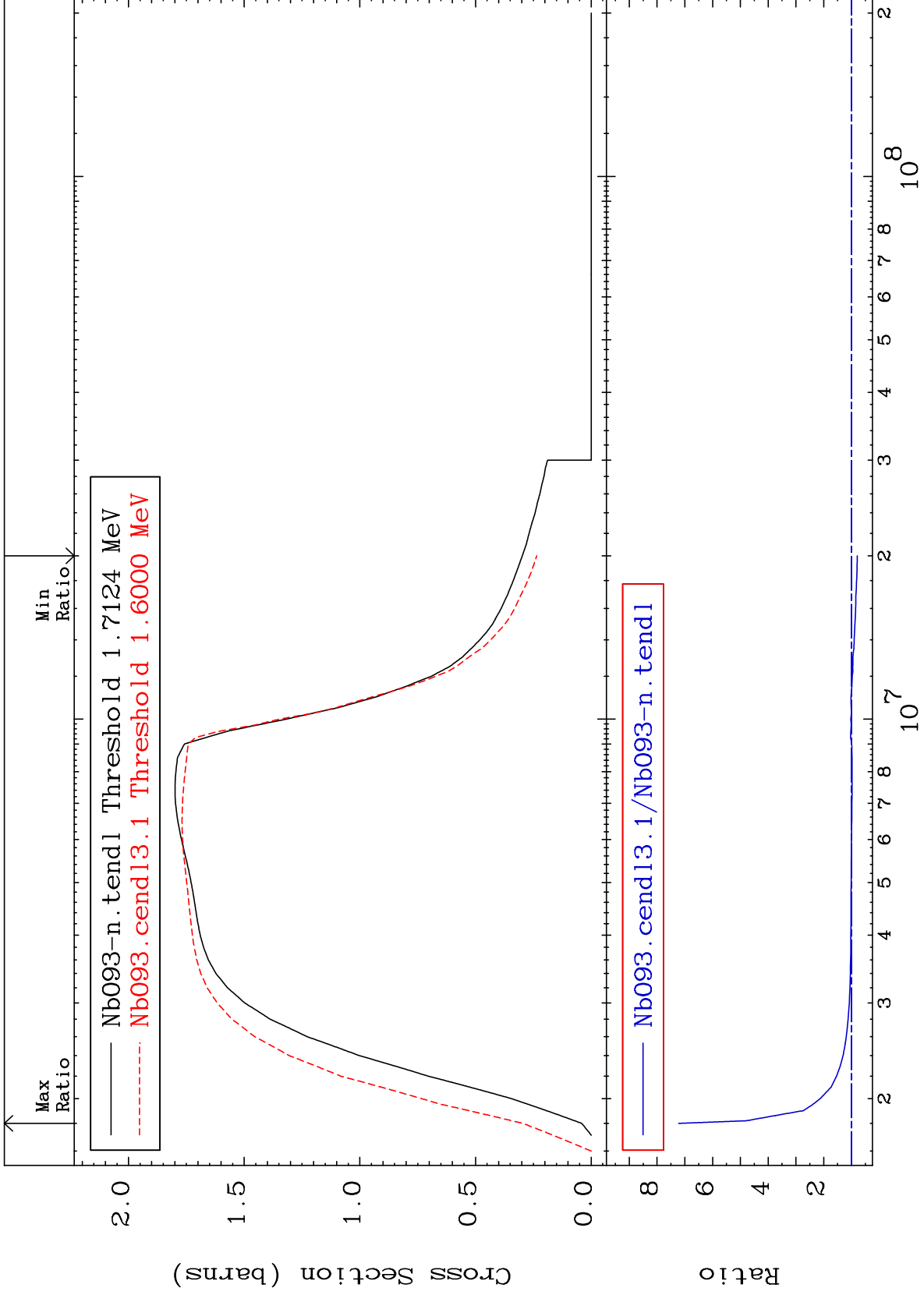
41-Nb-93



MAT 4125

(n, n') Continuum
Cross Section

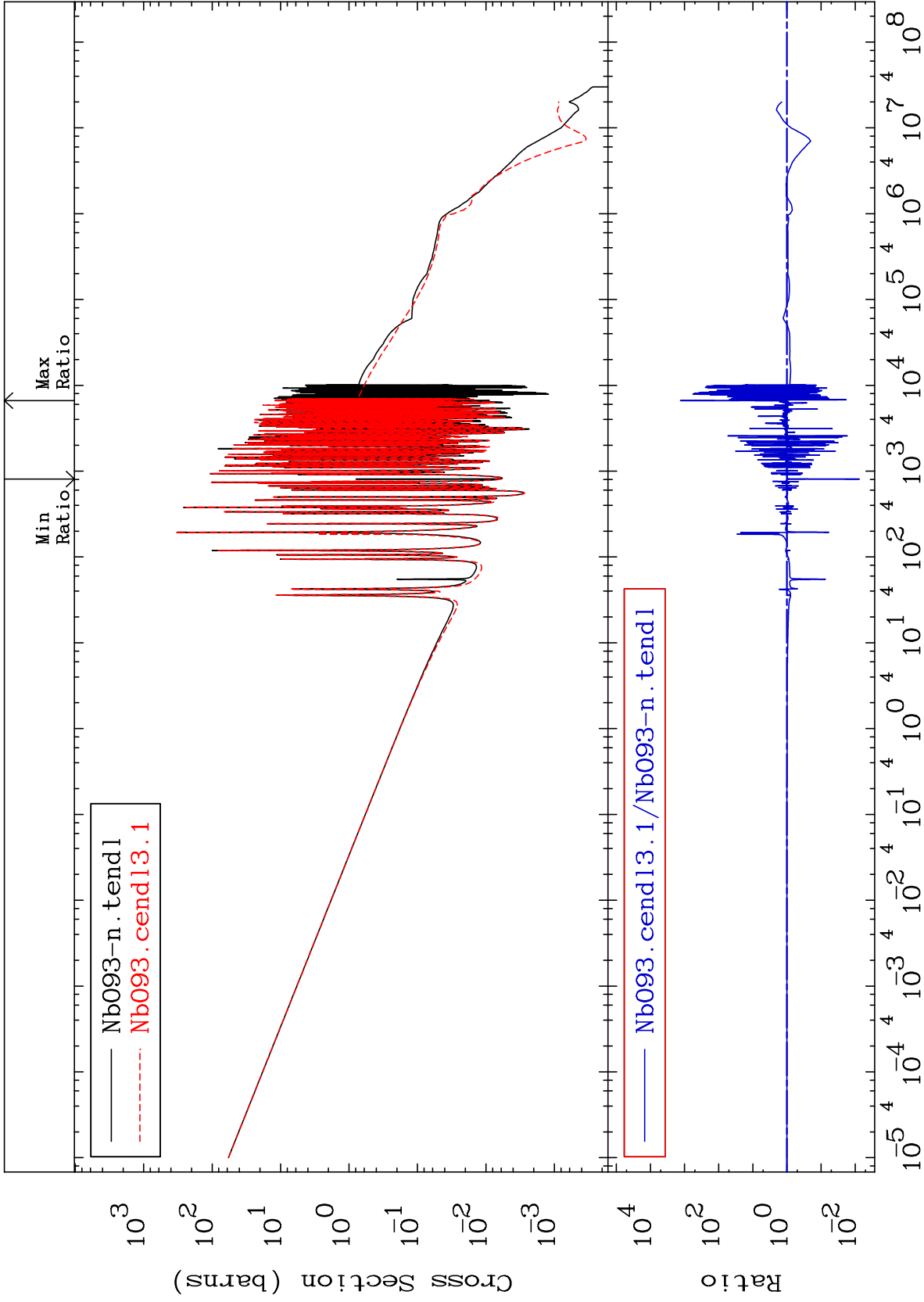
41-Nb-93
-20.88 To 622.3 %



MAT 4125

(n, γ)
Cross Section

41-Nb-93
-99.25 To 9999. %



18

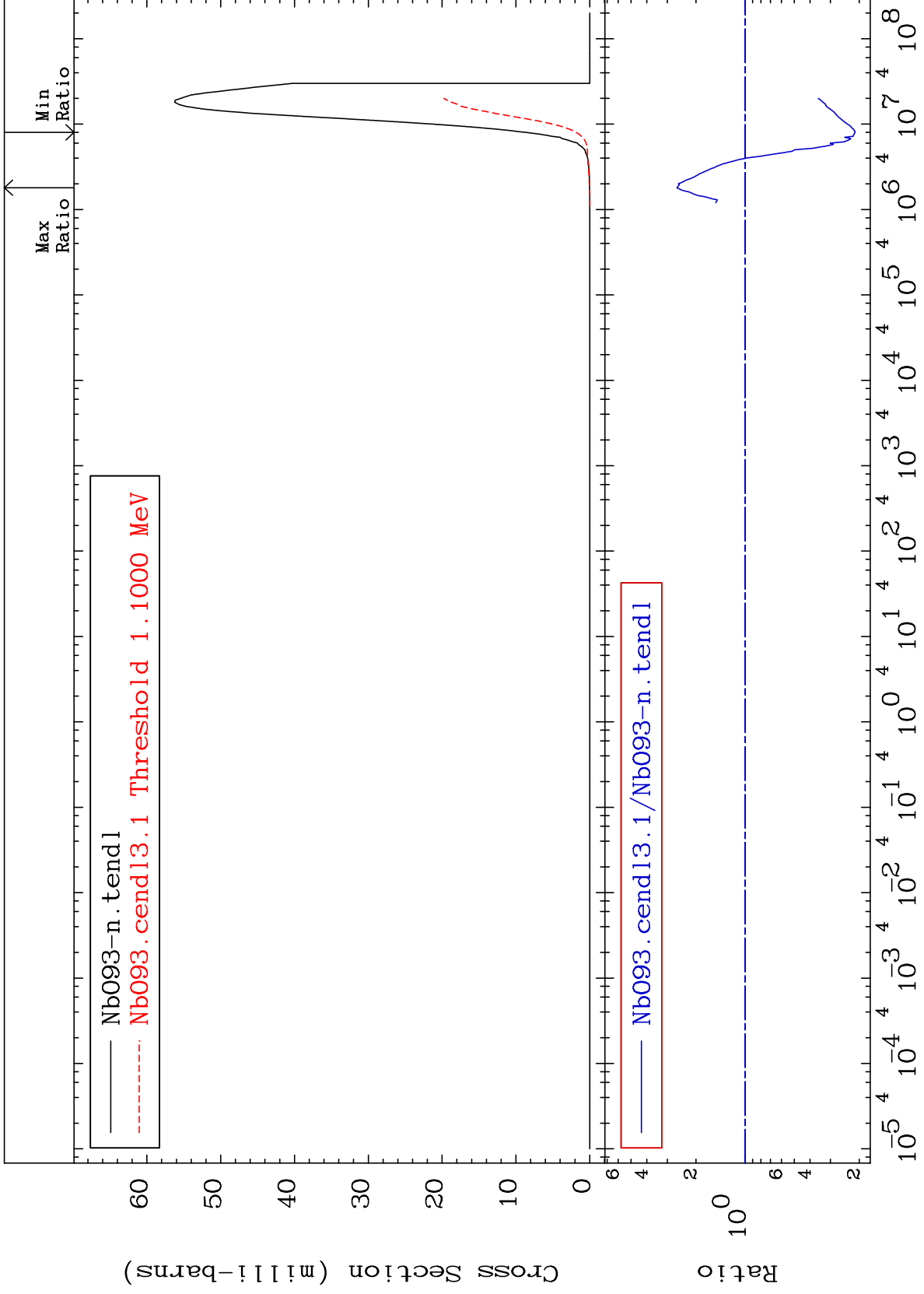
Incident Energy (eV)

41-Nb-93

MAT 4125

(n, p)
Cross Section

41-Nb-93
-78.81 To 161.8 %



19

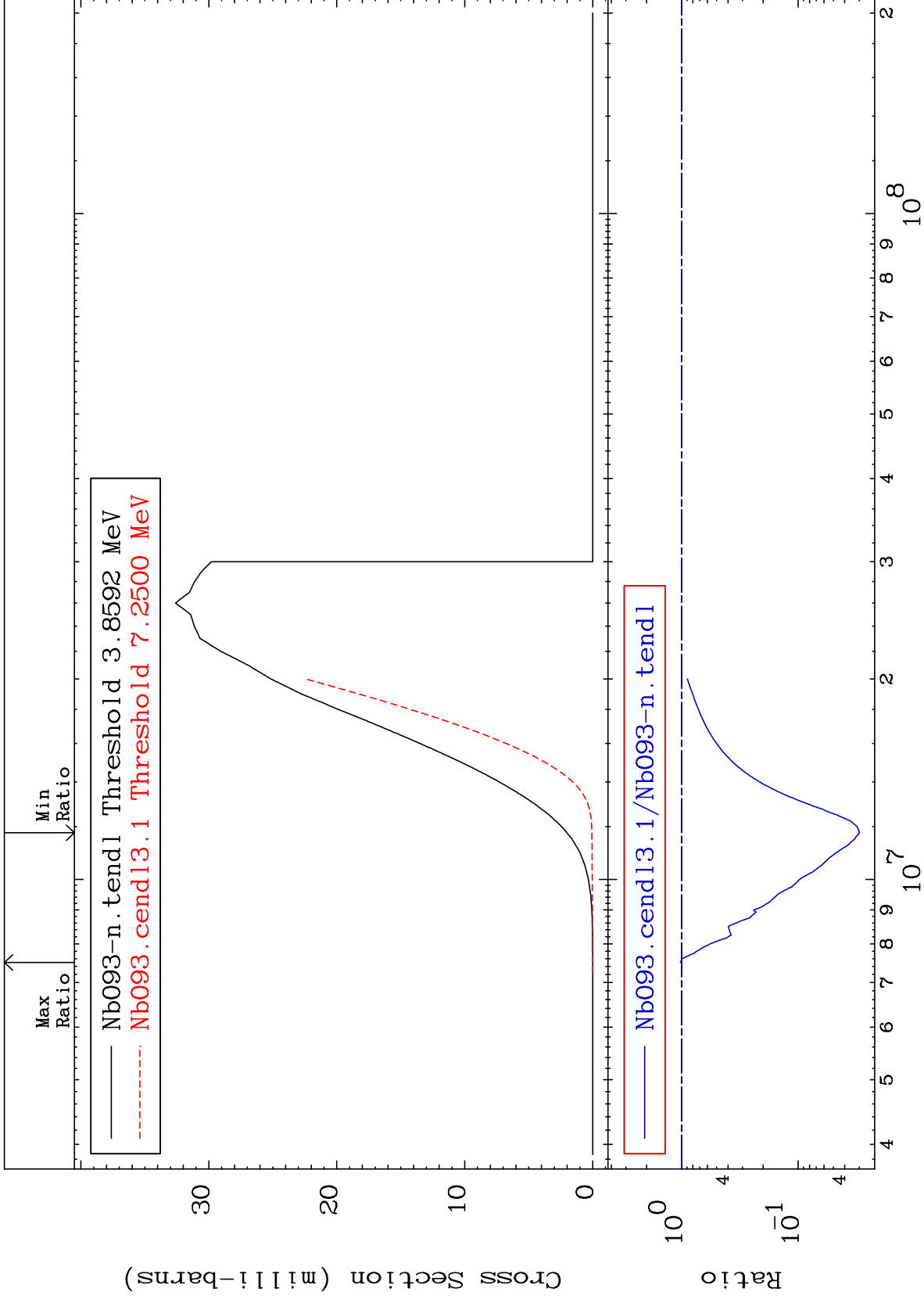
Incident Energy (eV)

41-Nb-93

MAT 4125

(n, d)
Cross Section

41-Nb-93
-97.02 To 2.428 %



20

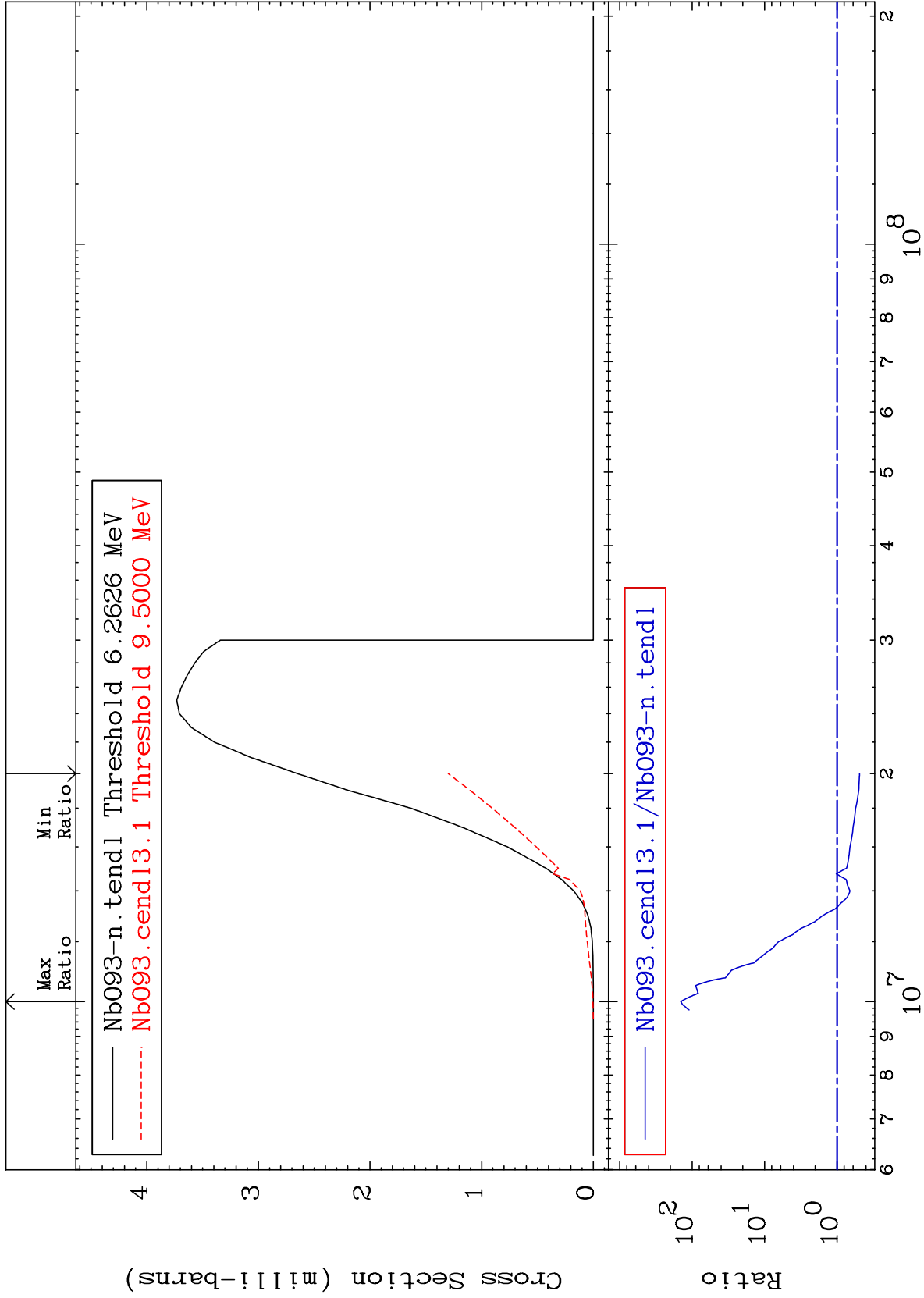
41-Nb-93

41-Nb-93

MAT 4125

(n, t)
Cross Section

41-Nb-93
-50.99 To 9999. %



21

41-Nb-93

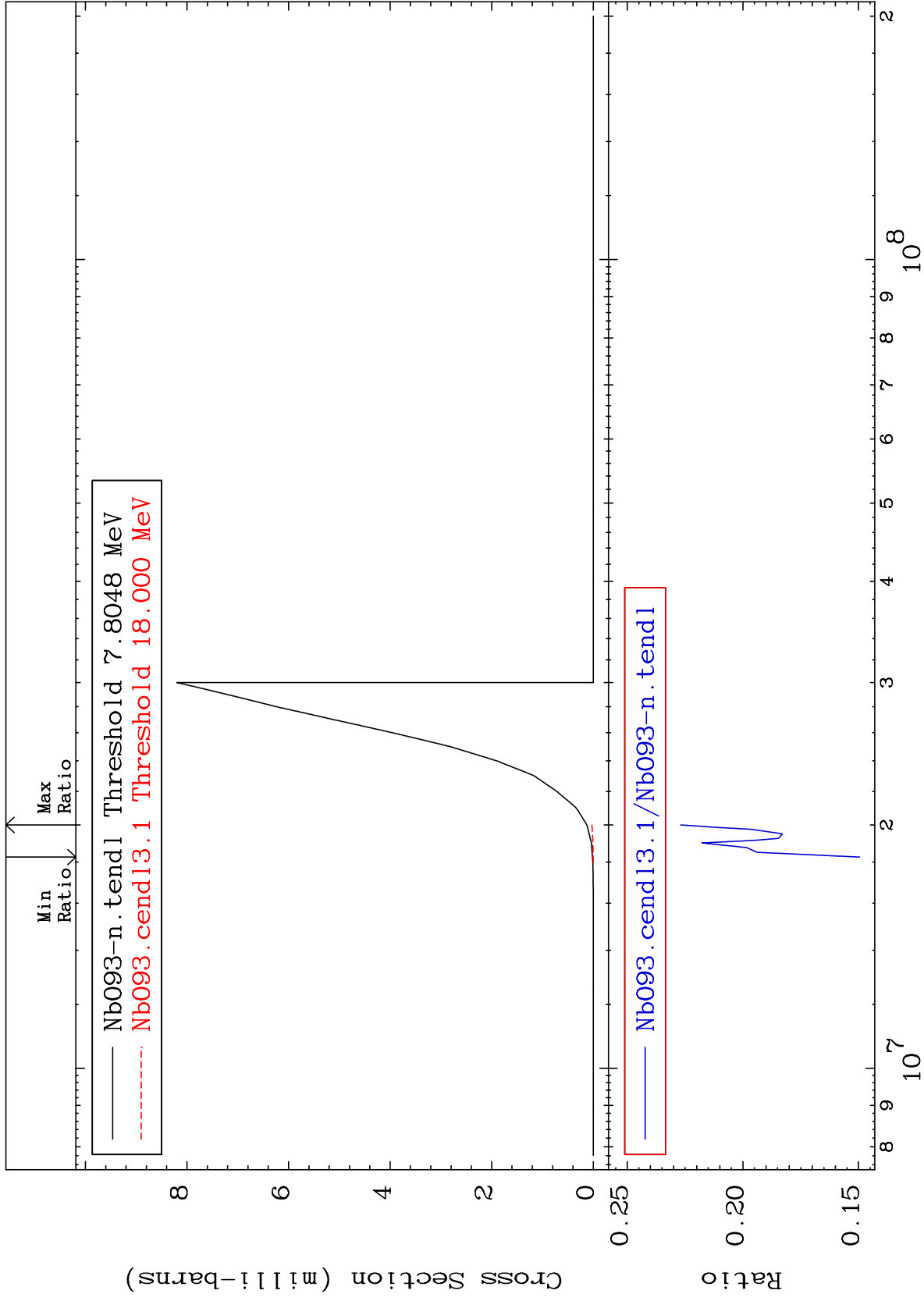
MAT 4125

(n,He-3)

41-Nb-93

Cross Section

-85.04 To -77.31%



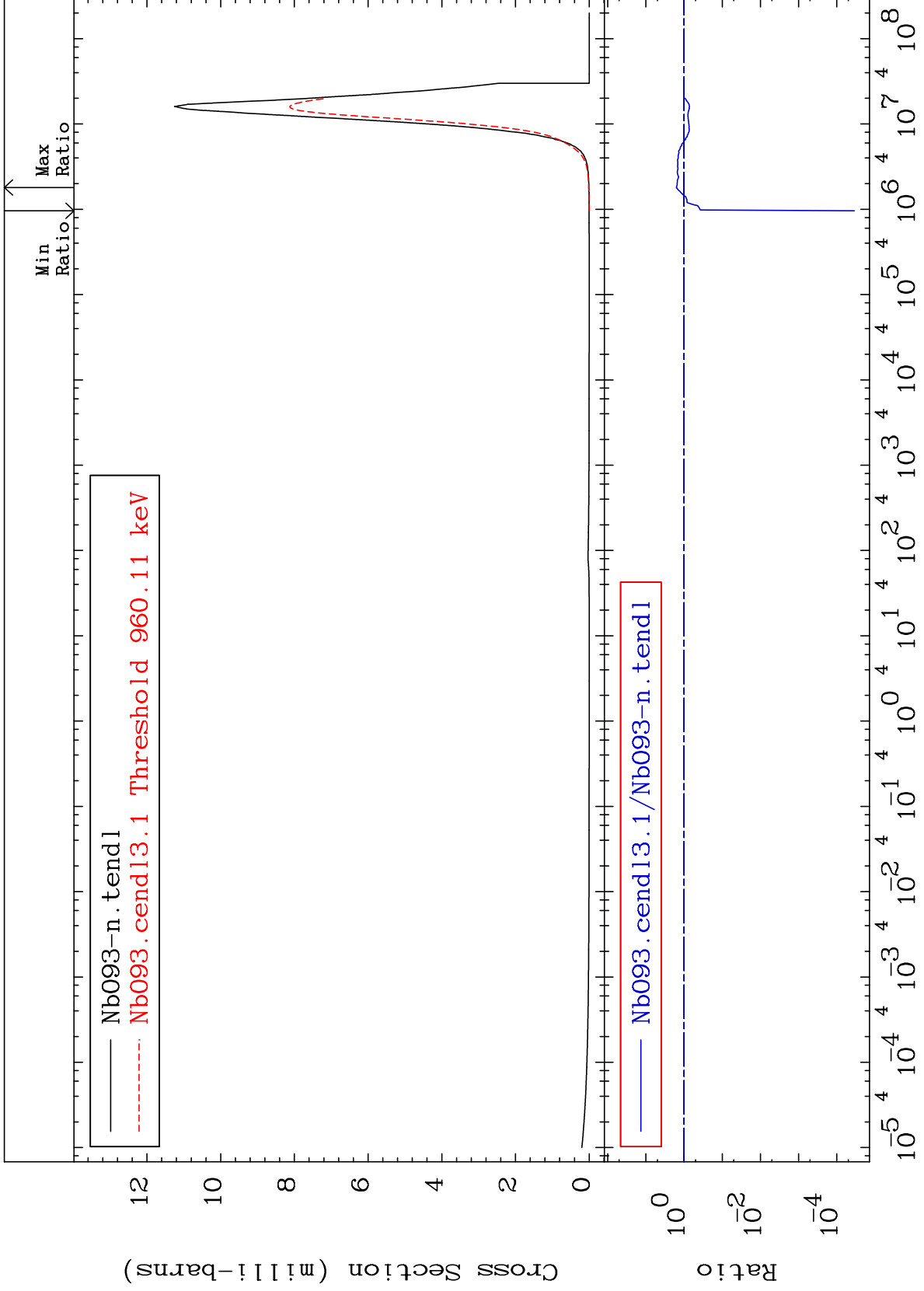
22

41-Nb-93

MAT 4125

(n, α)
Cross Section

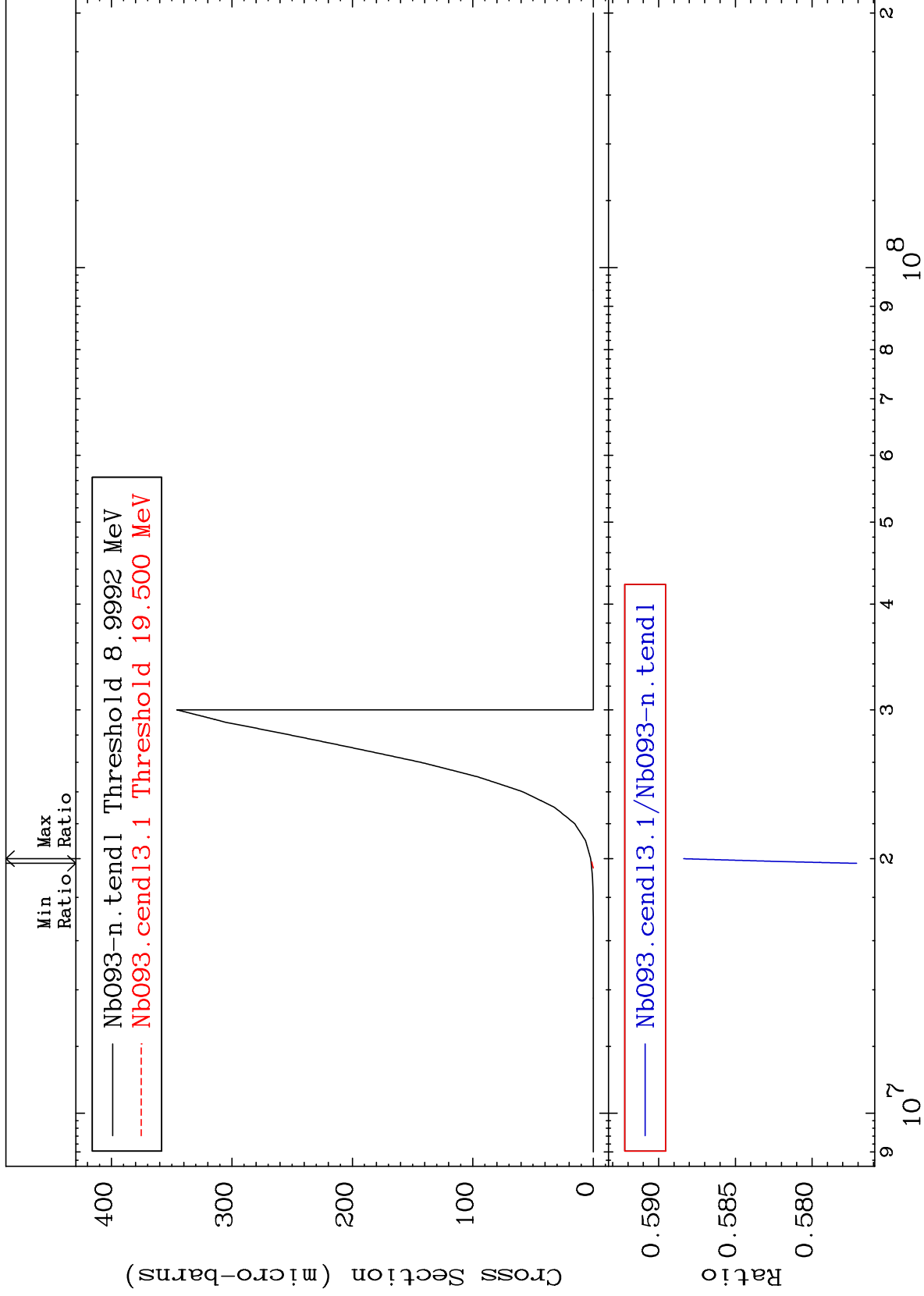
41-Nb-93
-100.0 To 59.13 %



MAT 4125

(n,2p)
Cross Section

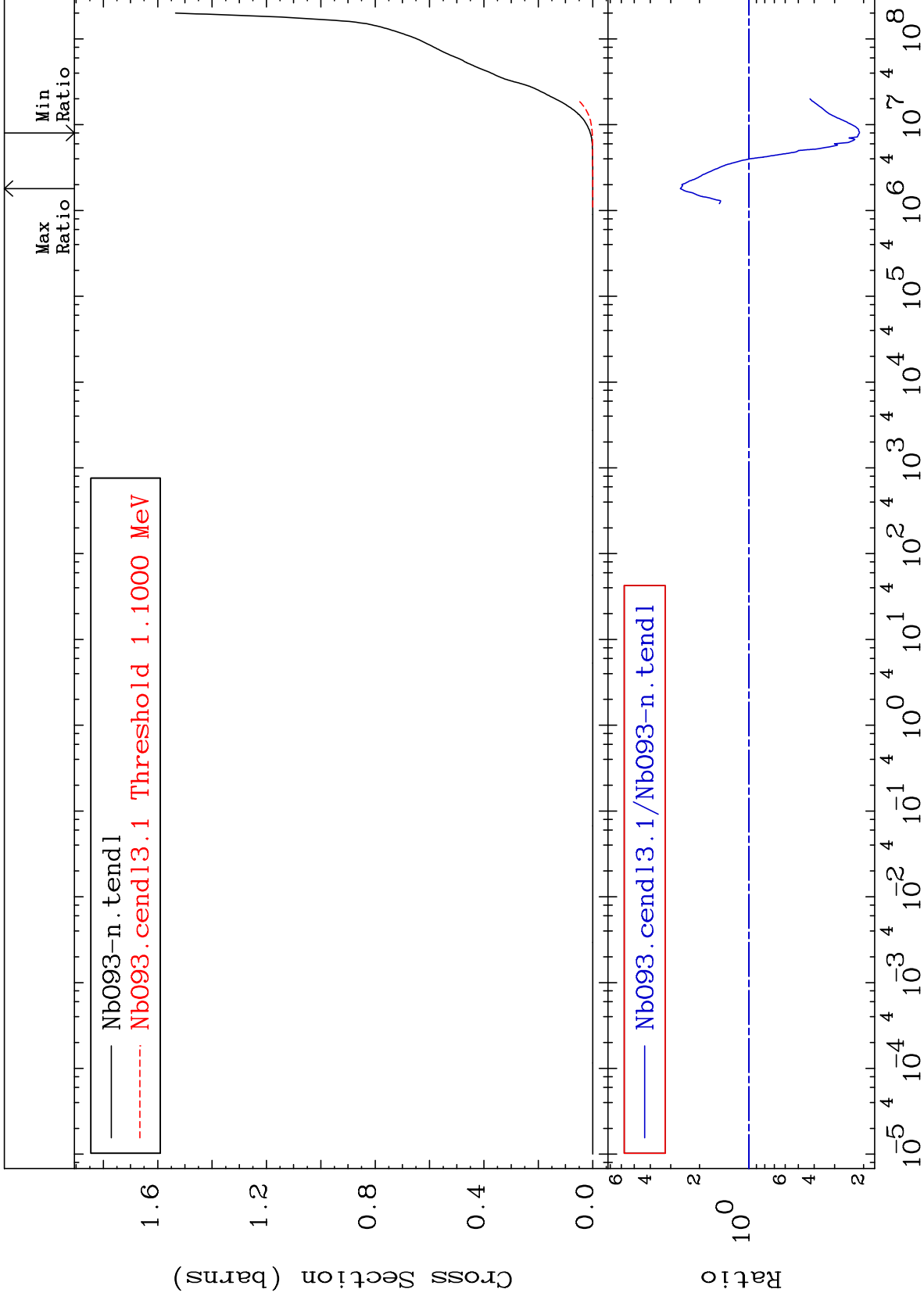
41-Nb-93
-42.29 To -41.16%

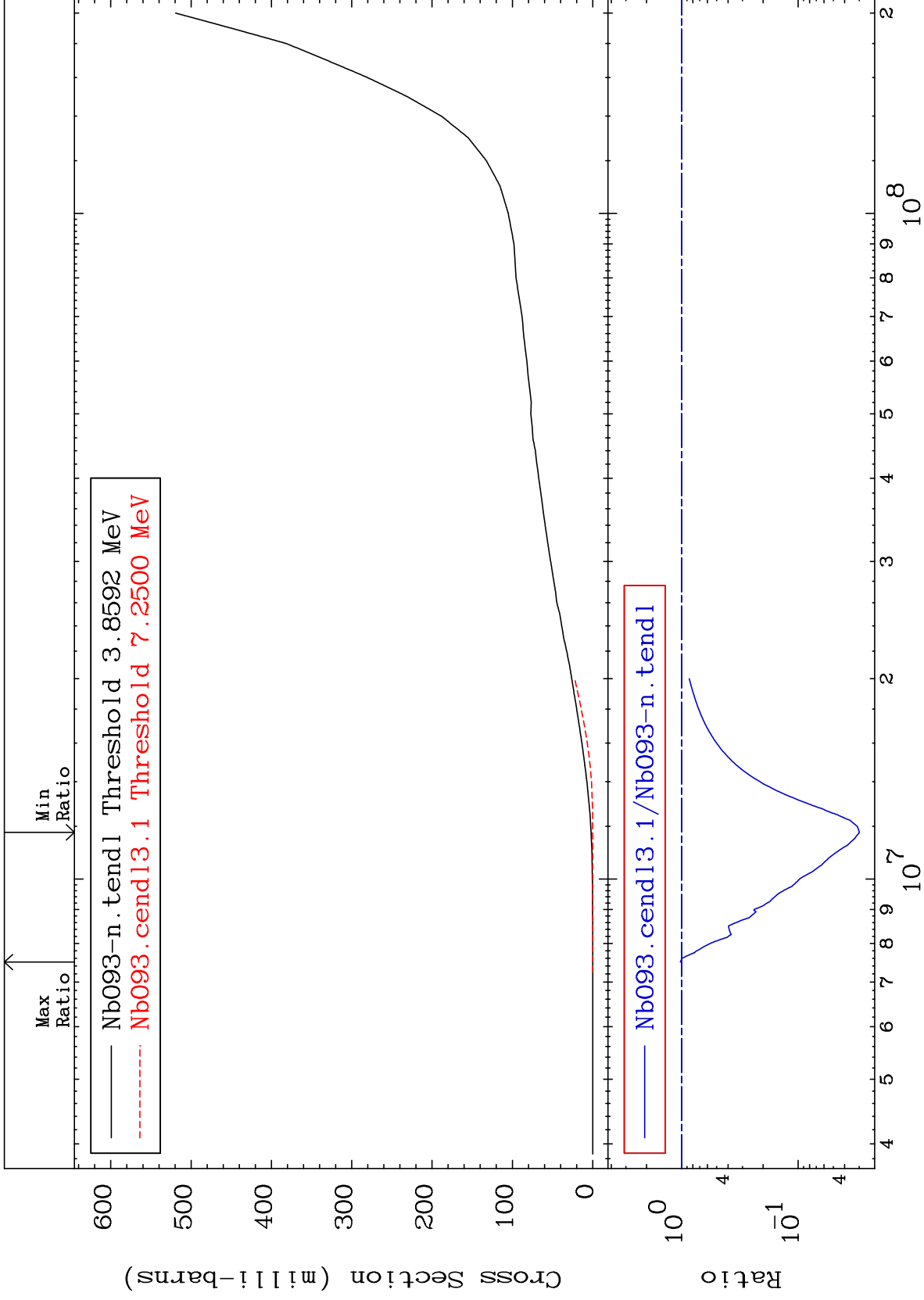


24

Incident Energy (eV)

41-Nb-93

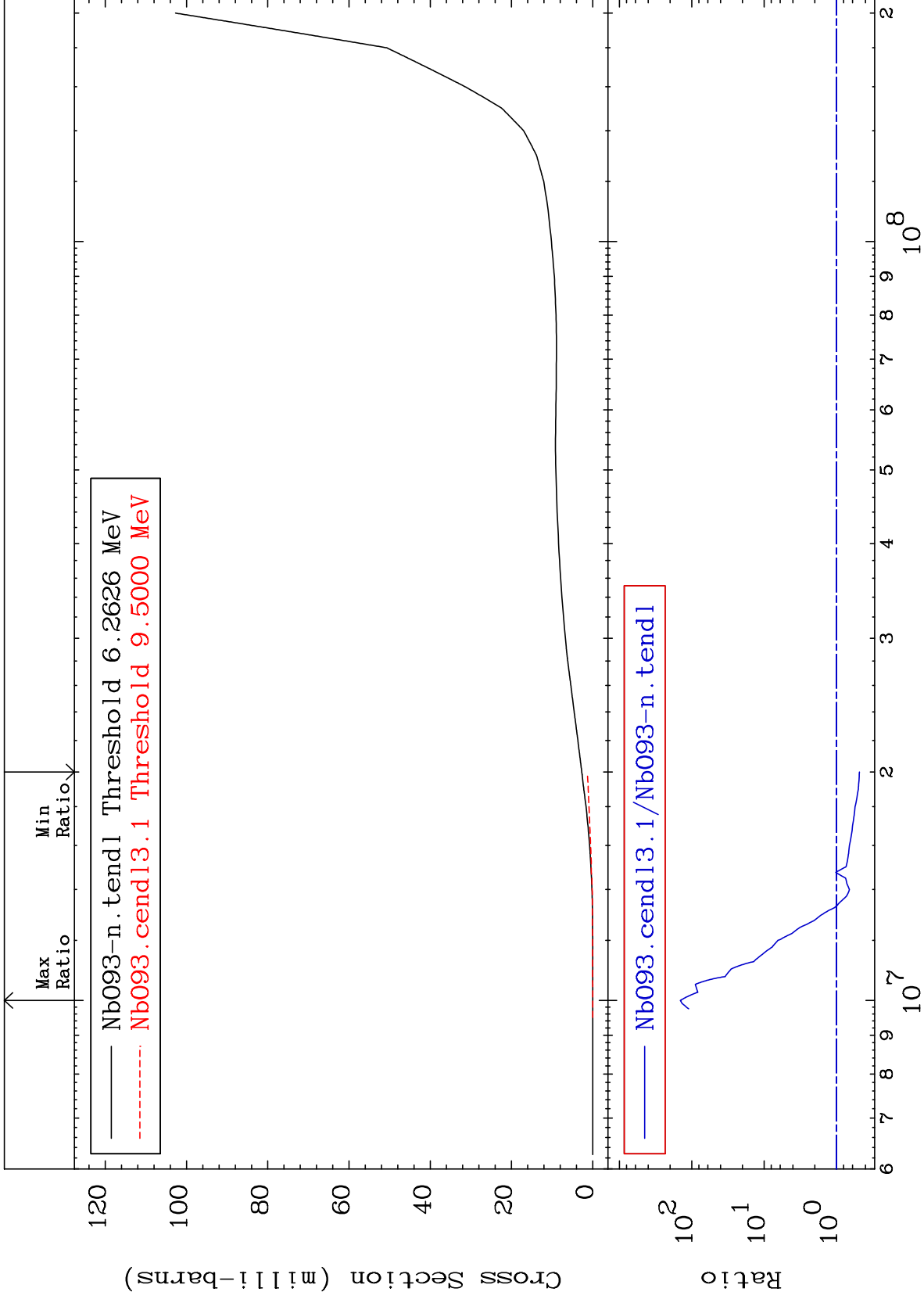




MAT 4125

Tritium Production Cross Section

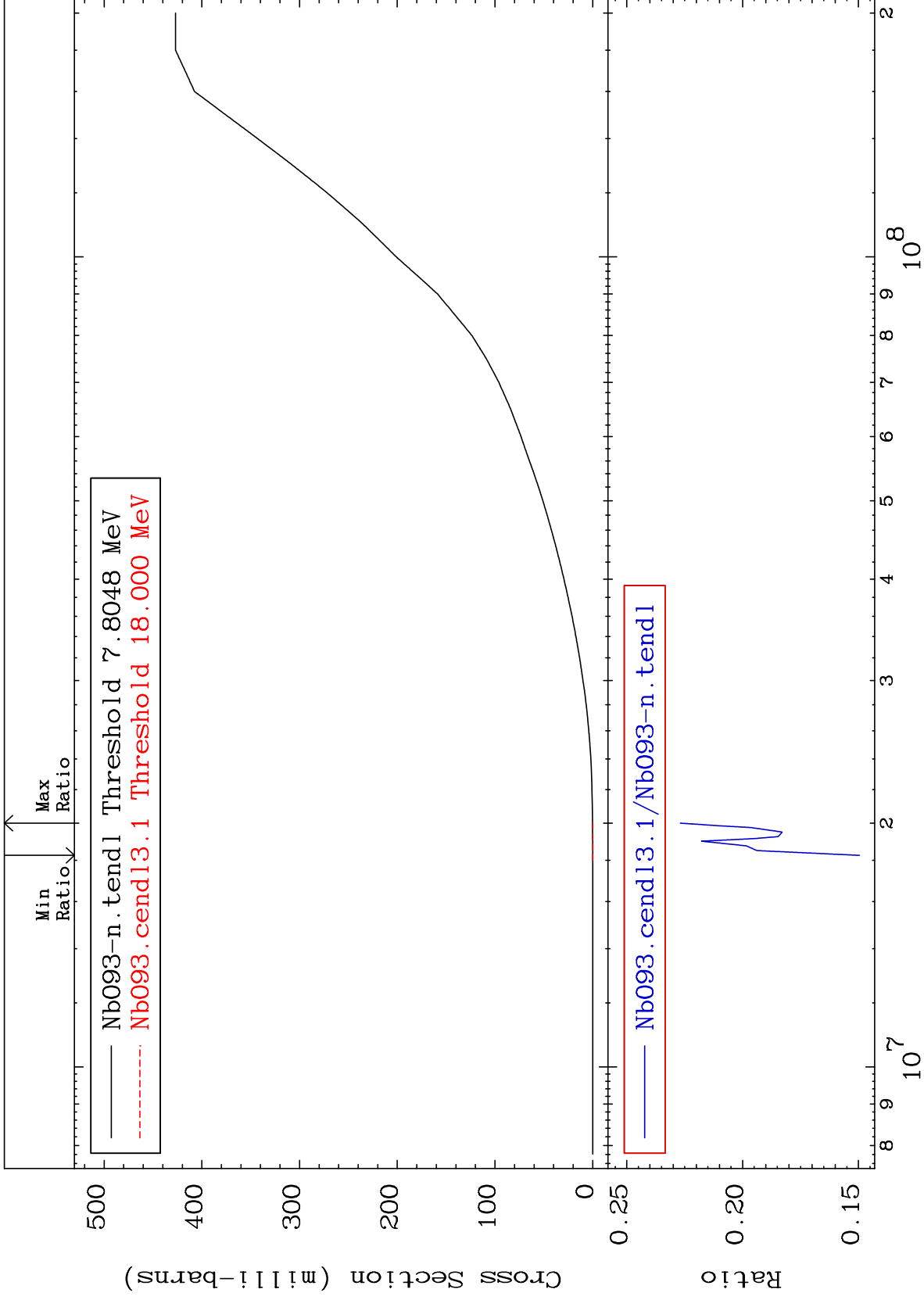
41-Nb-93
-51.67 To 9999. %



MAT 4125

He-3 Production
Cross Section

41-Nb-93
-85.04 To -77.31%



28

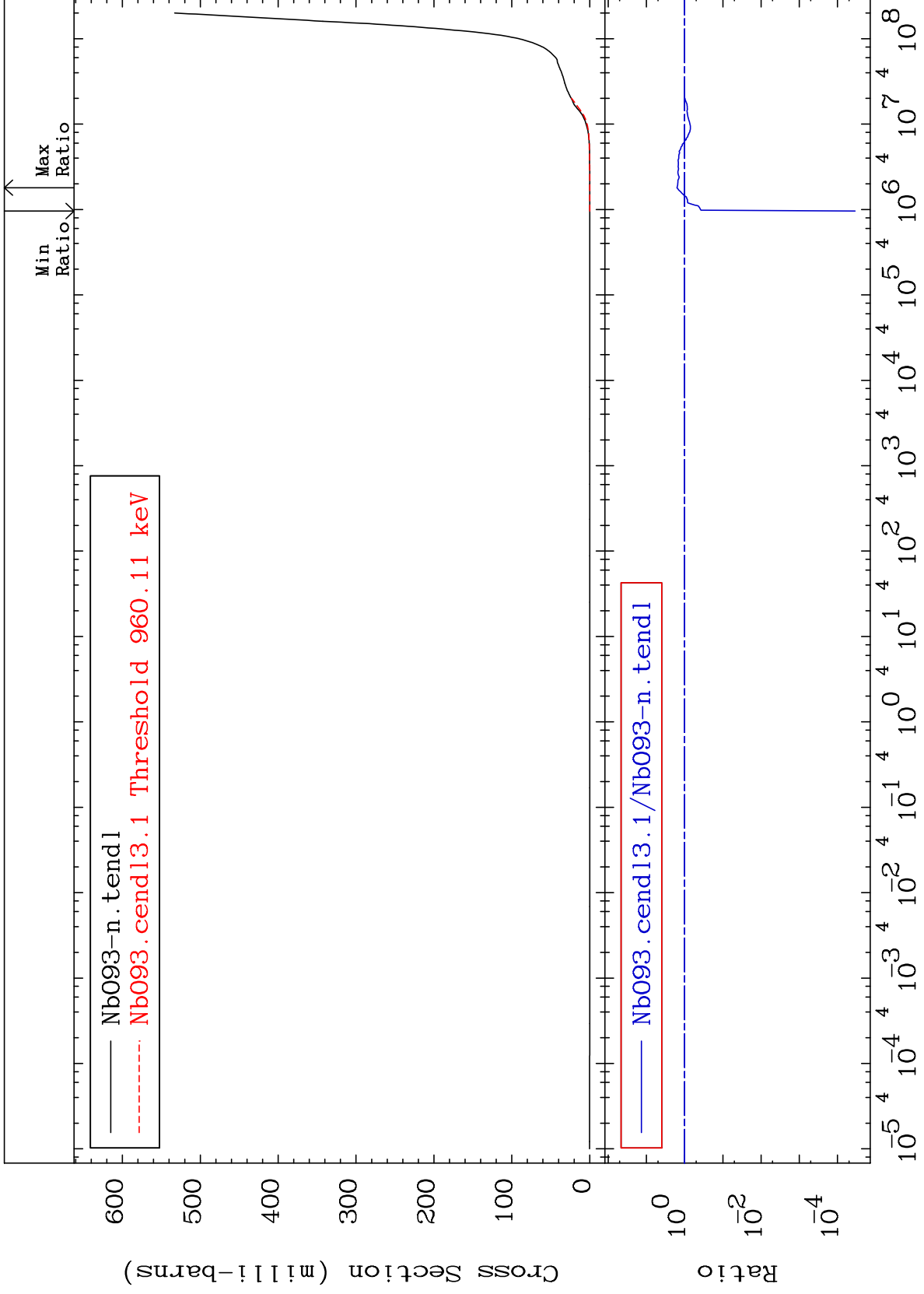
Incident Energy (eV)

41-Nb-93

MAT 4125

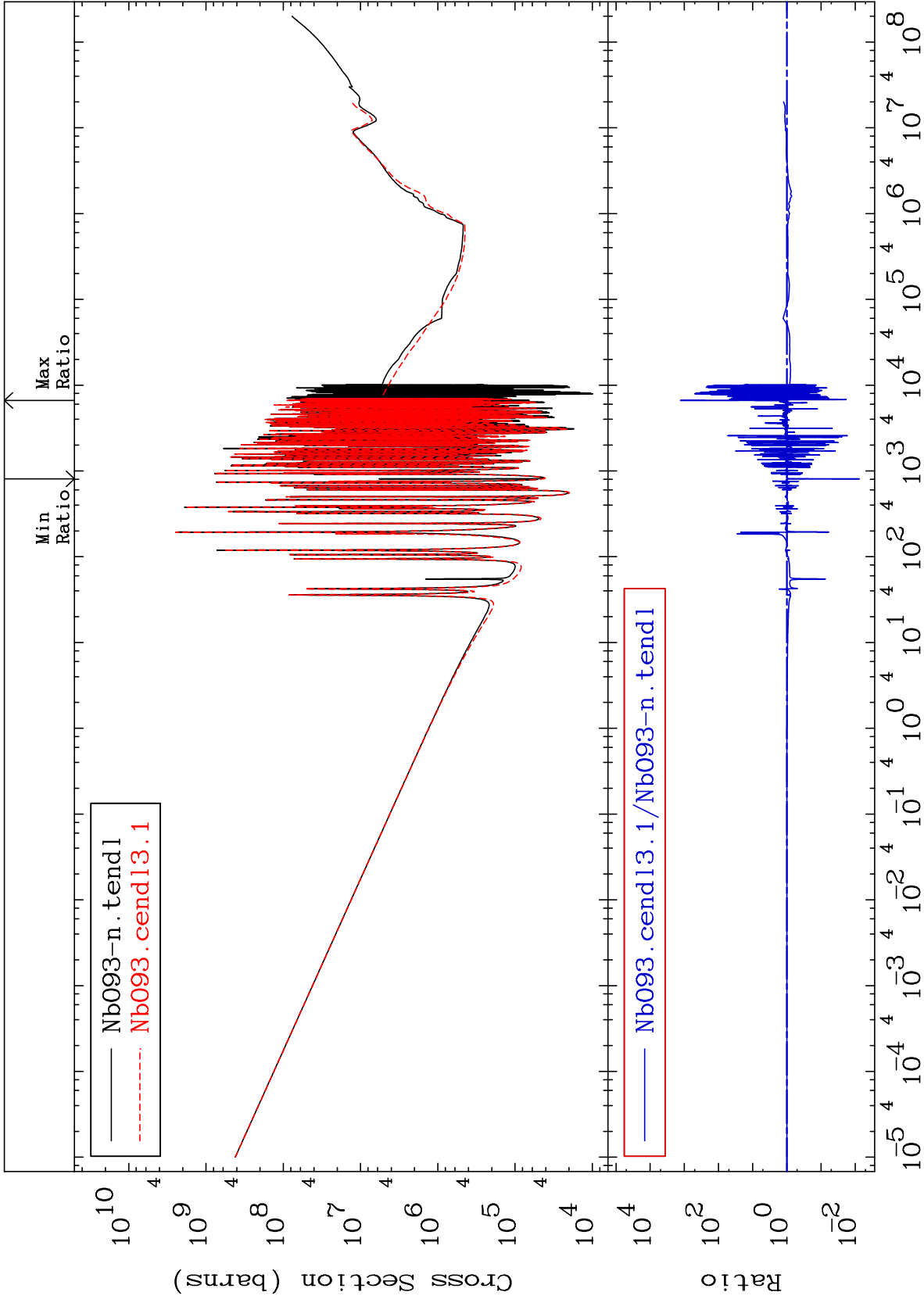
He-4 Production
Cross Section

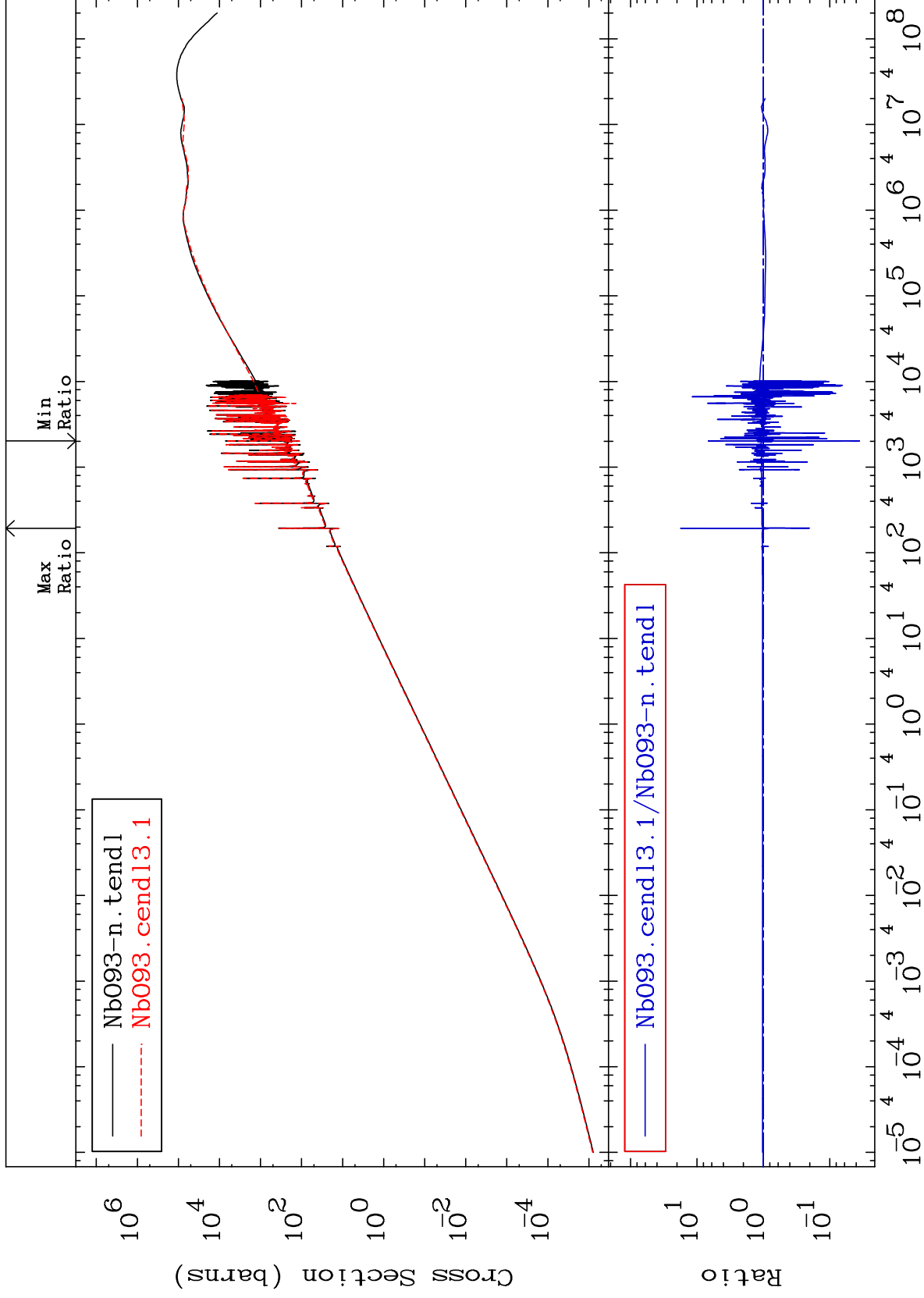
41-Nb-93
-100.0 To 59.13 %

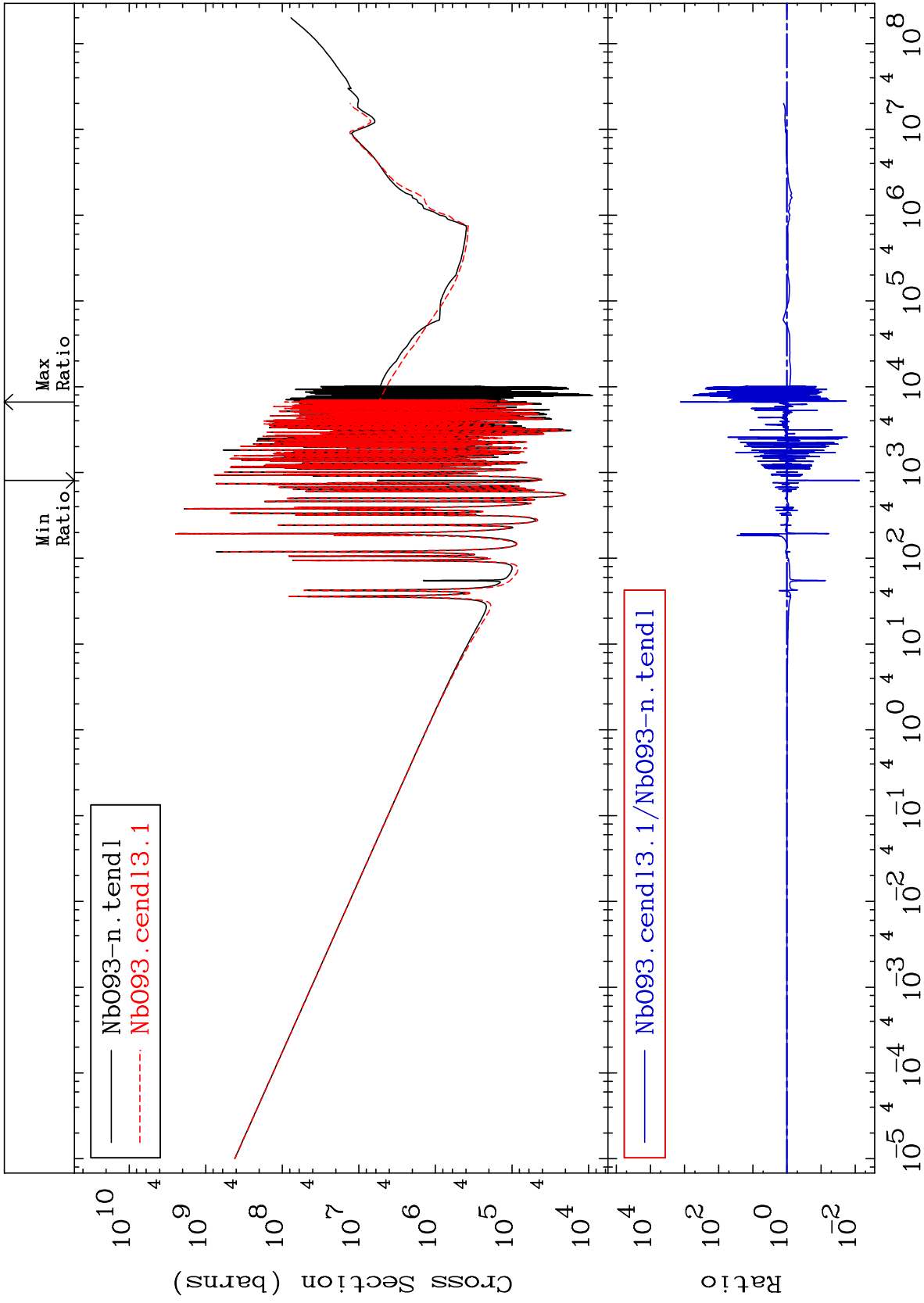


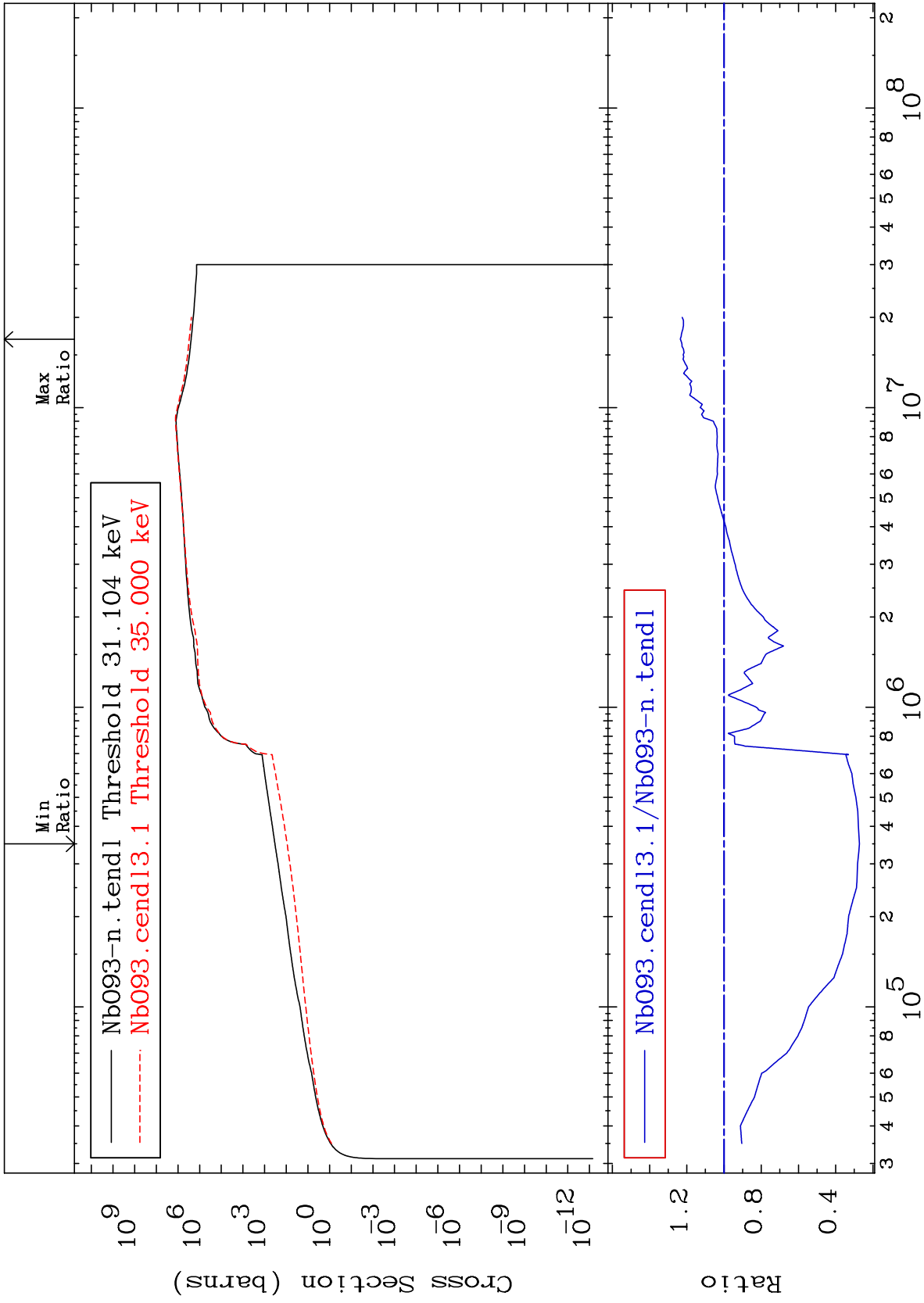
Cross Section

-99.25 To 9999. %





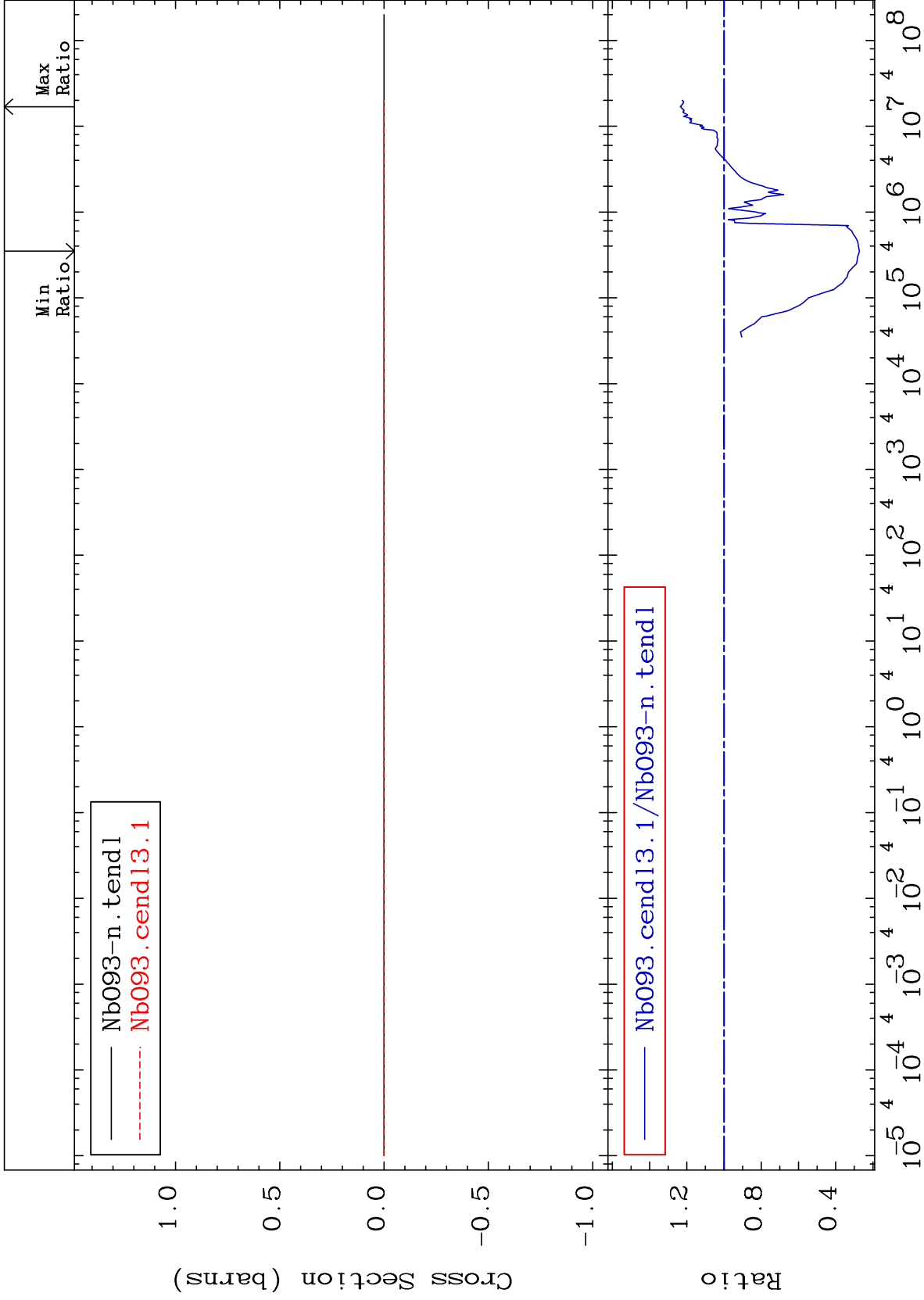


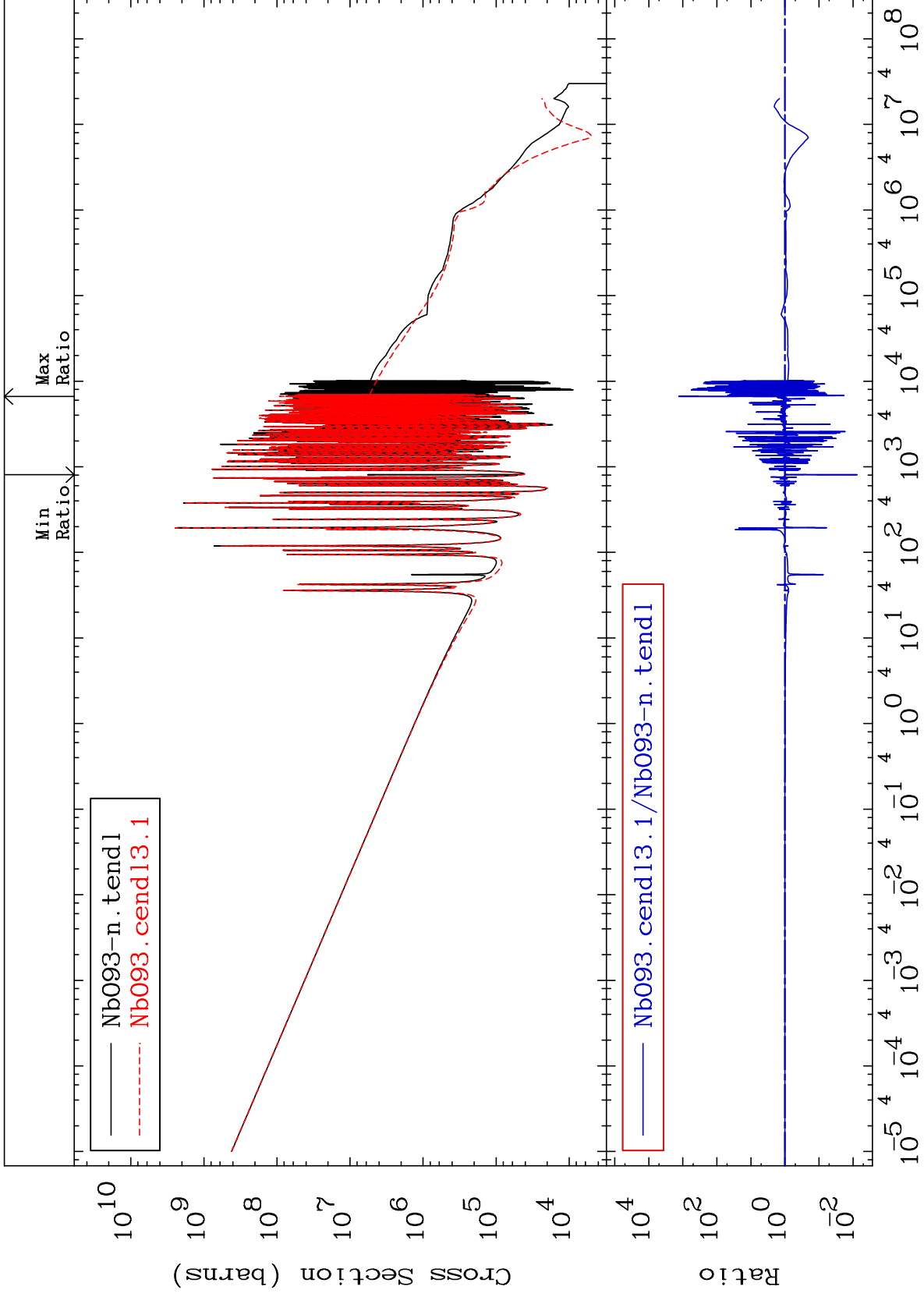


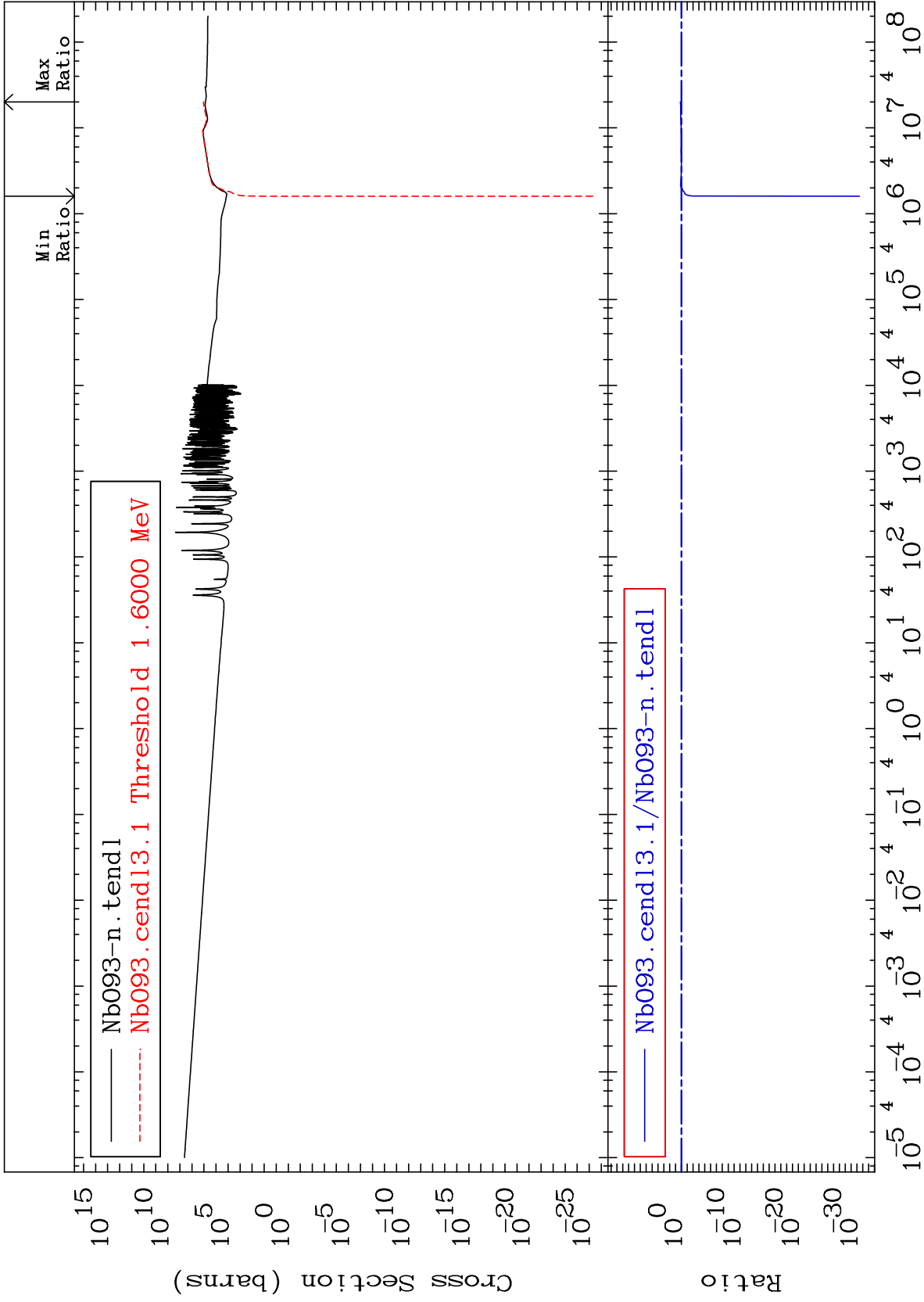
MAT 4125

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

41-Nb-93
-72.77 To 23.48 %







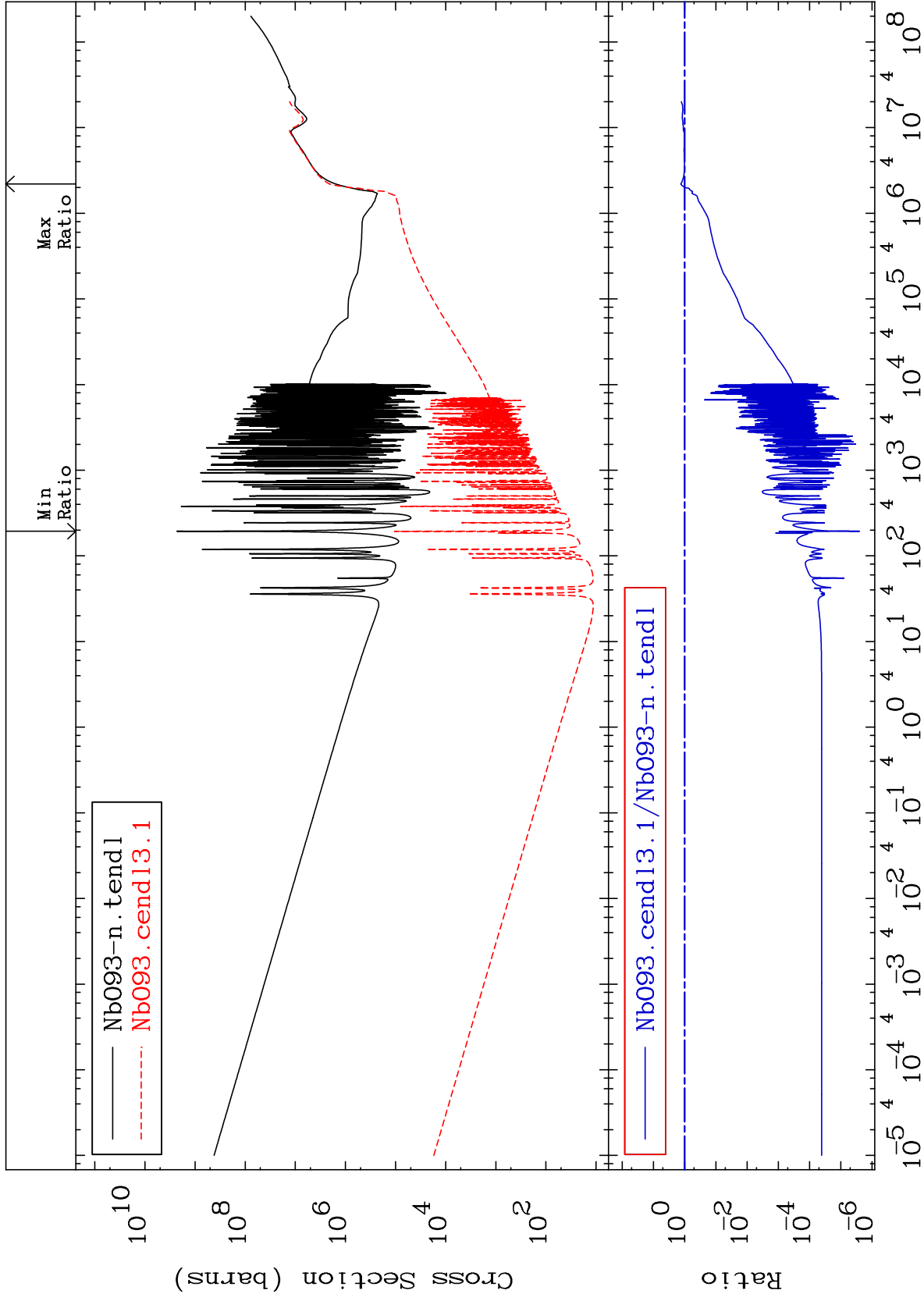
MAT 4125

Total kinematic kerma (high limit)

41-Nb-93

Cross Section

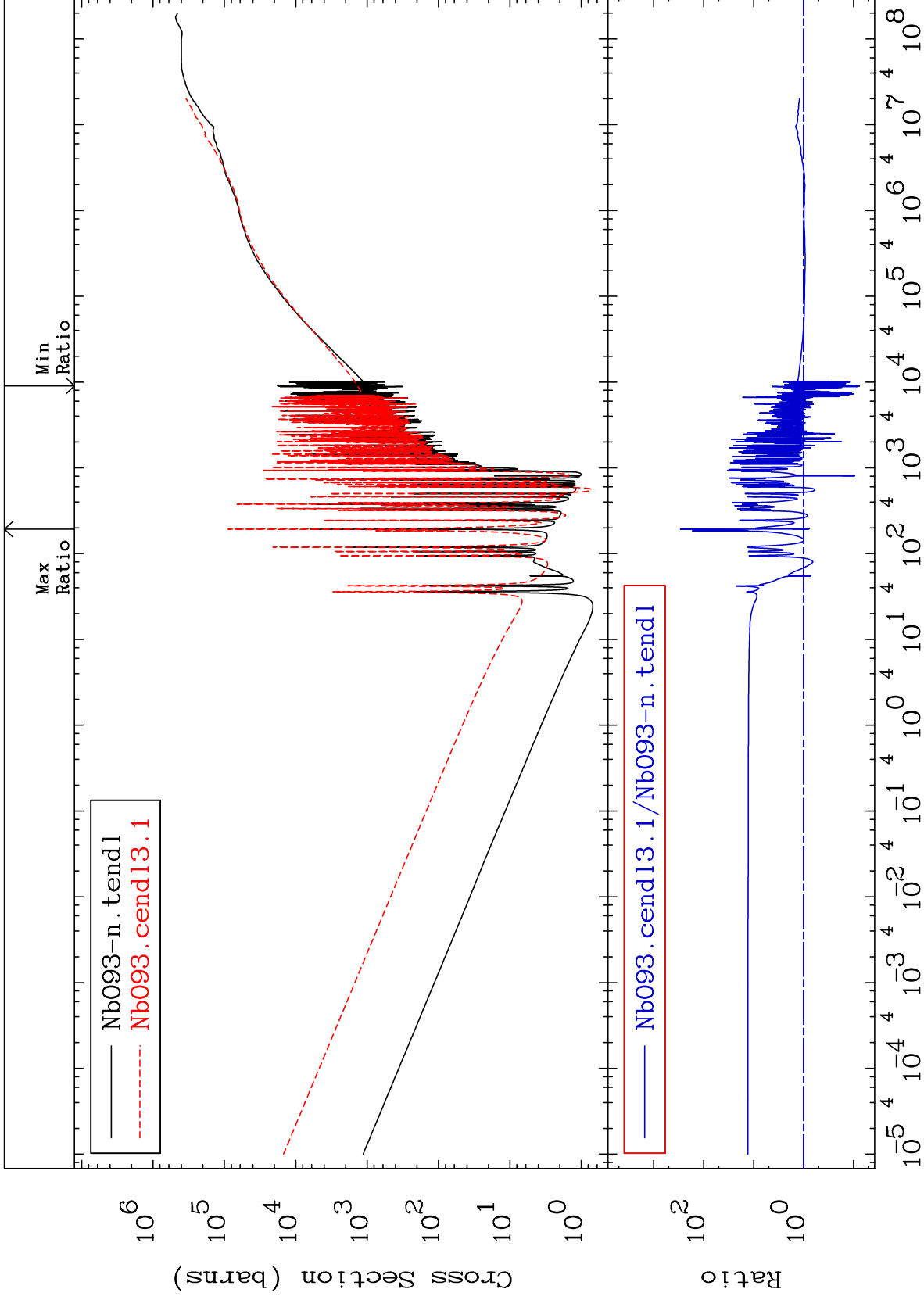
-100.0 To 33.20 %



37

Incident Energy (eV)

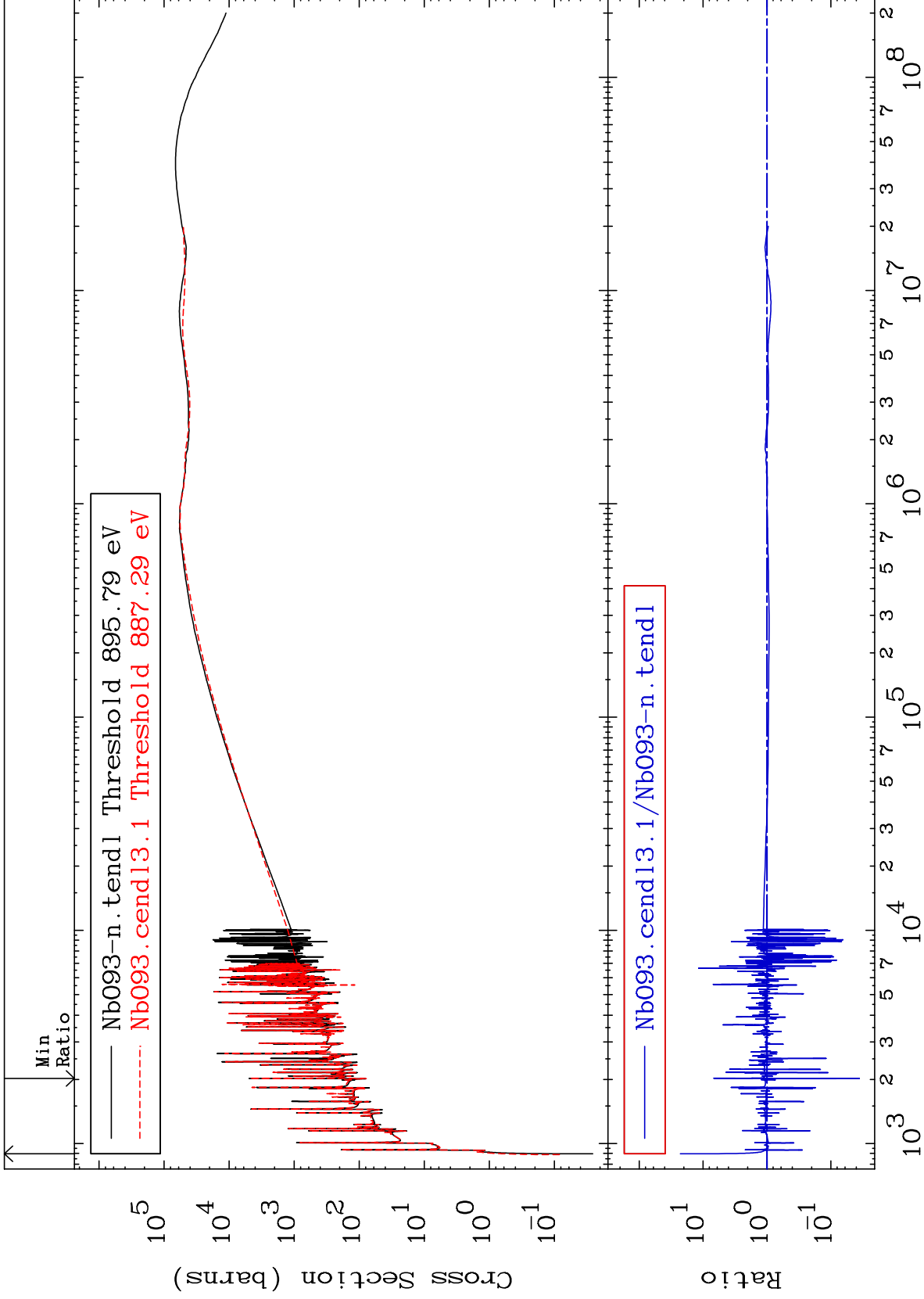
41-Nb-93



MAT 4125

Dpa elastic (mt2)
Cross Section

41-Nb-93
-96.43 To 2169. %



39

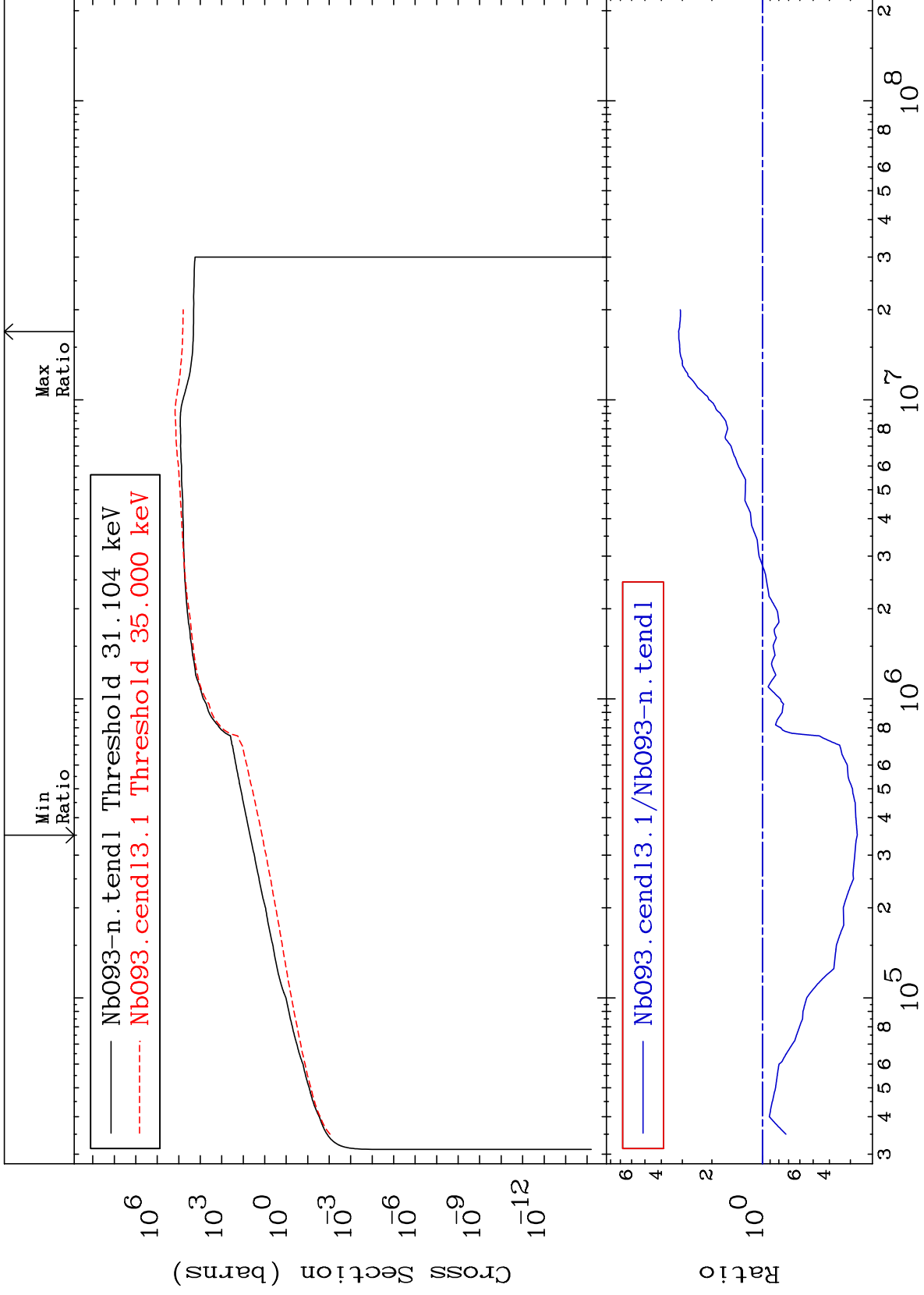
Incident Energy (eV)

41-Nb-93

MAT 4125

Dpa inelastic (mt51-91)
Cross Section

41-Nb-93
-72.67 To 215.2 %



MAT 4125

Dpa disappearance (mt102 -120)
Cross Section

41-Nb-93
-90.46 To 9999. %

