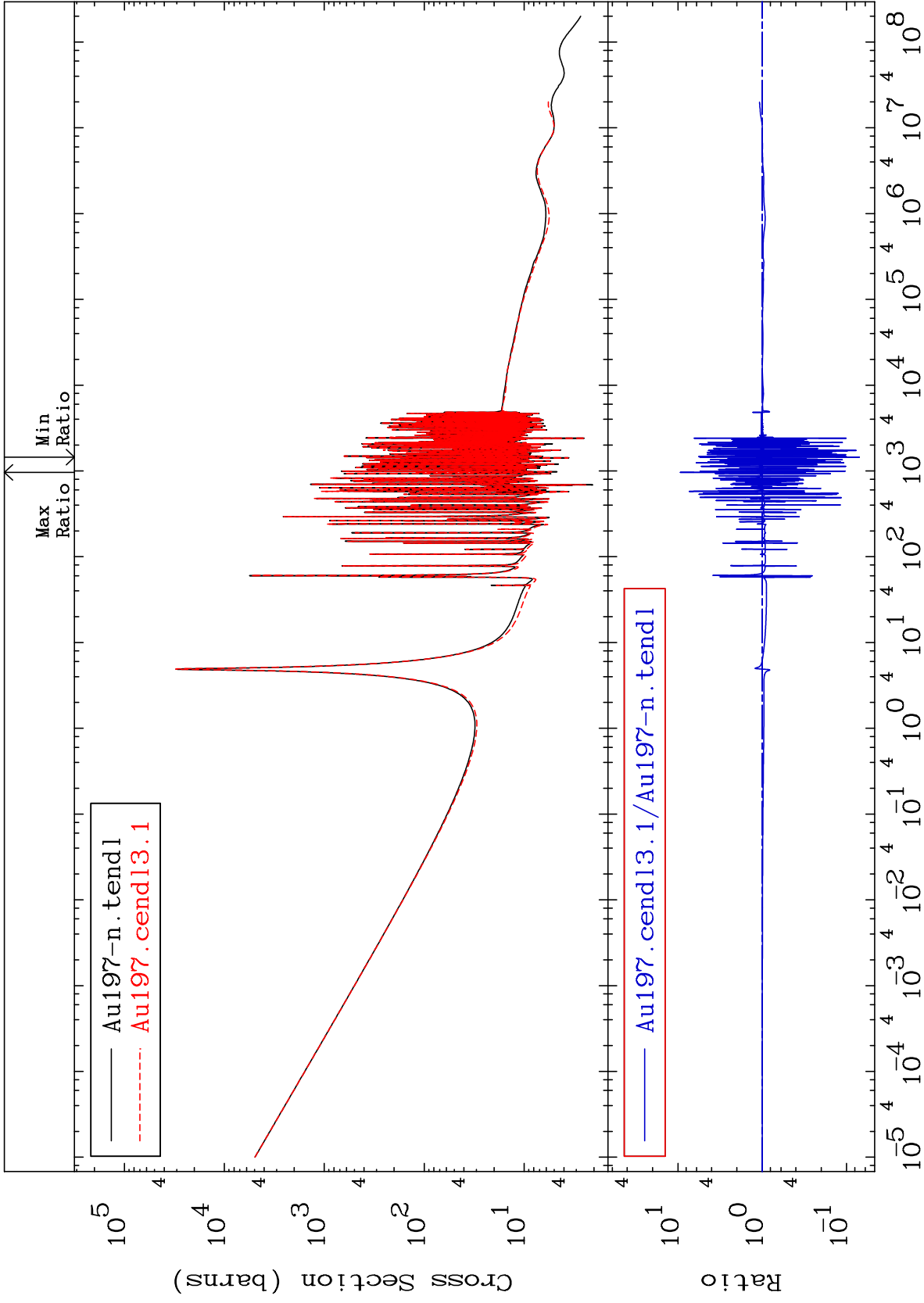


MAT 7925

Total
Cross Section

79-Au-197
-92.96 To 836.5 %

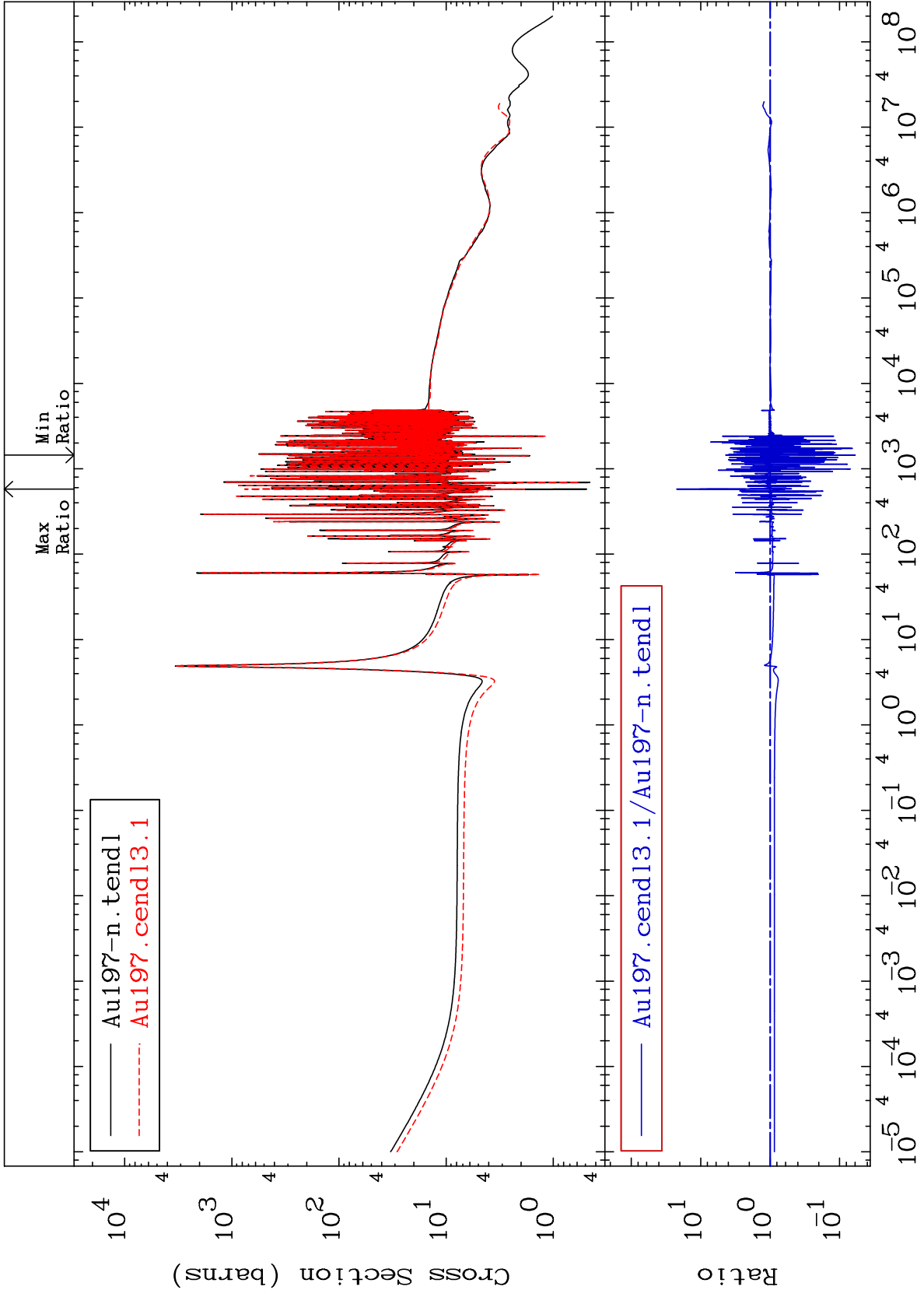


Incident Energy (eV)

79-Au-197

MAT 7925

Elastic Cross Section
79-Au-197
-94.01 To 2100. %



2

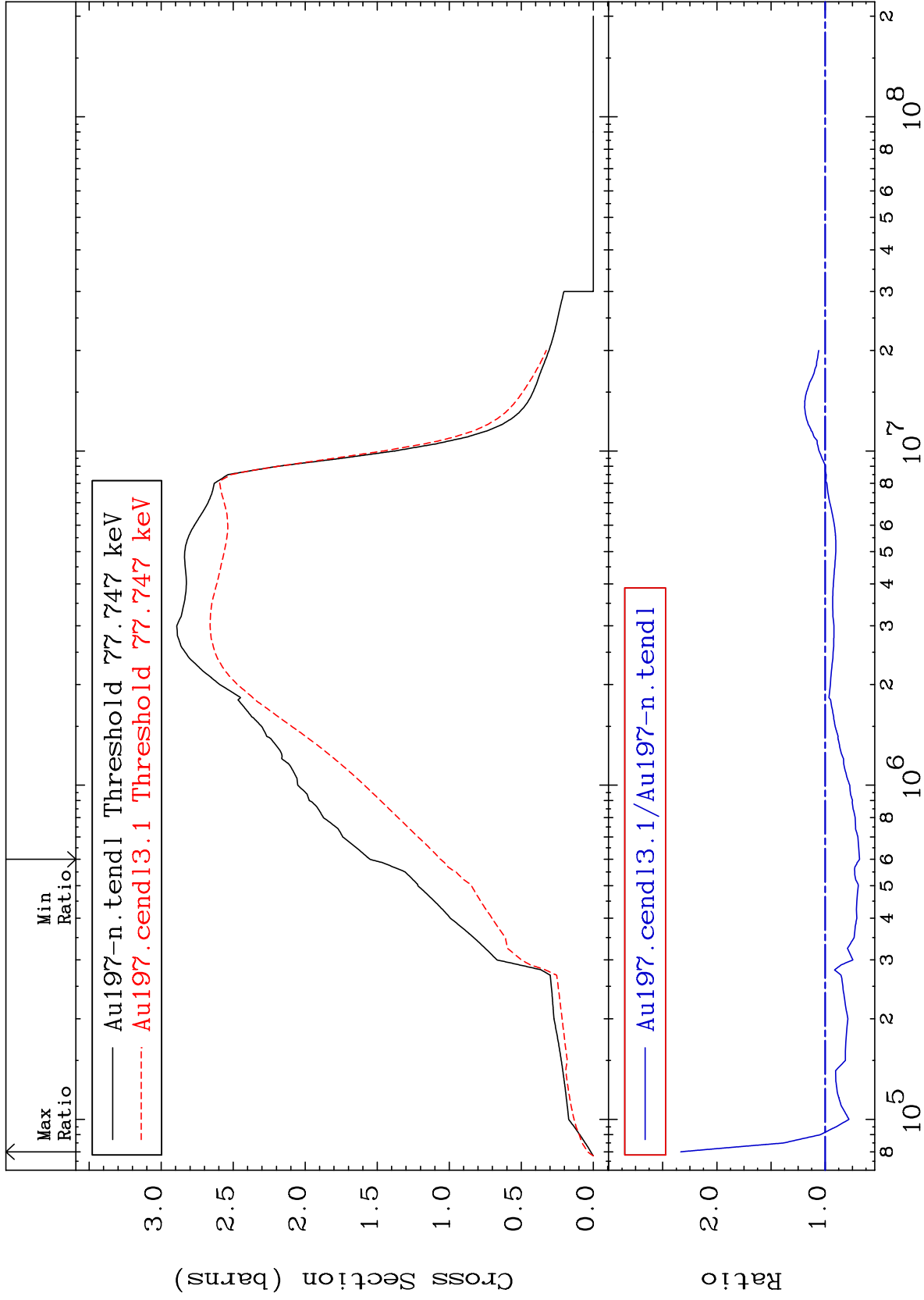
Incident Energy (eV)

79-Au-197

MAT 7925

Inelastic
Cross Section

⁷⁹Au-197
-31.62 To 133.3 %



3

Incident Energy (eV)

⁷⁹Au-197

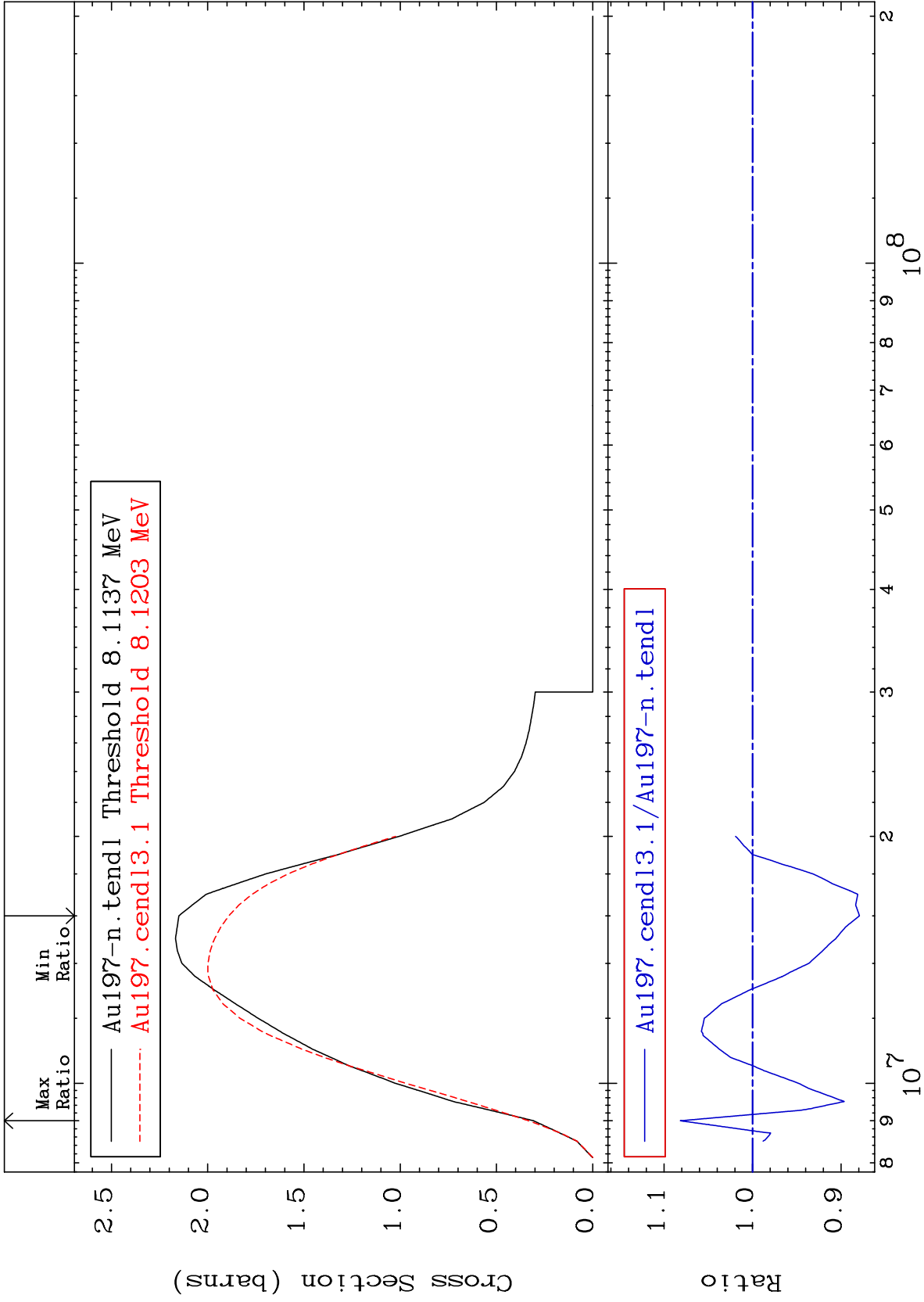
MAT 7925

(n,2n)

79-Au-197

Cross Section

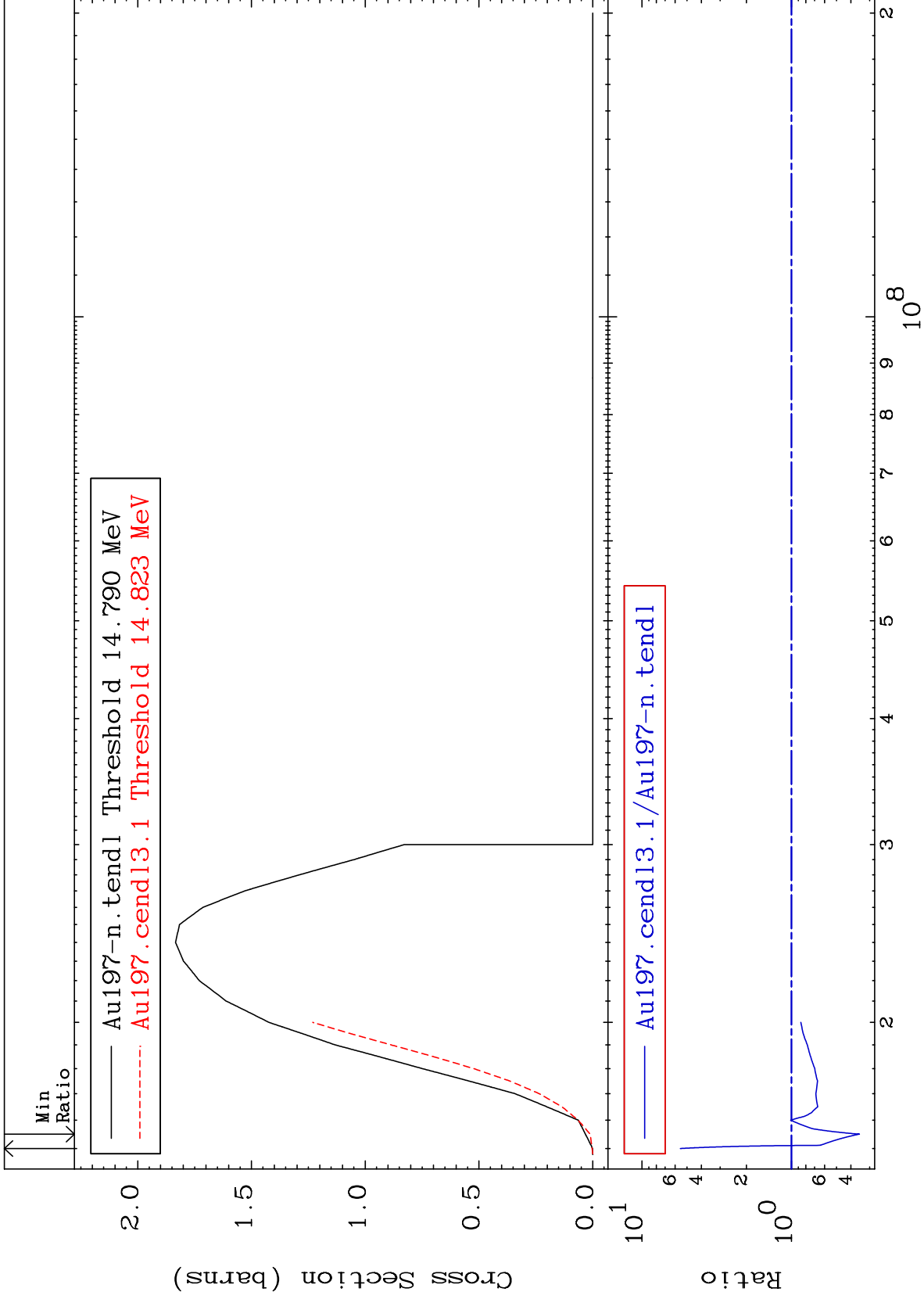
-12.07 To 8.151 %



4

Incident Energy (eV)

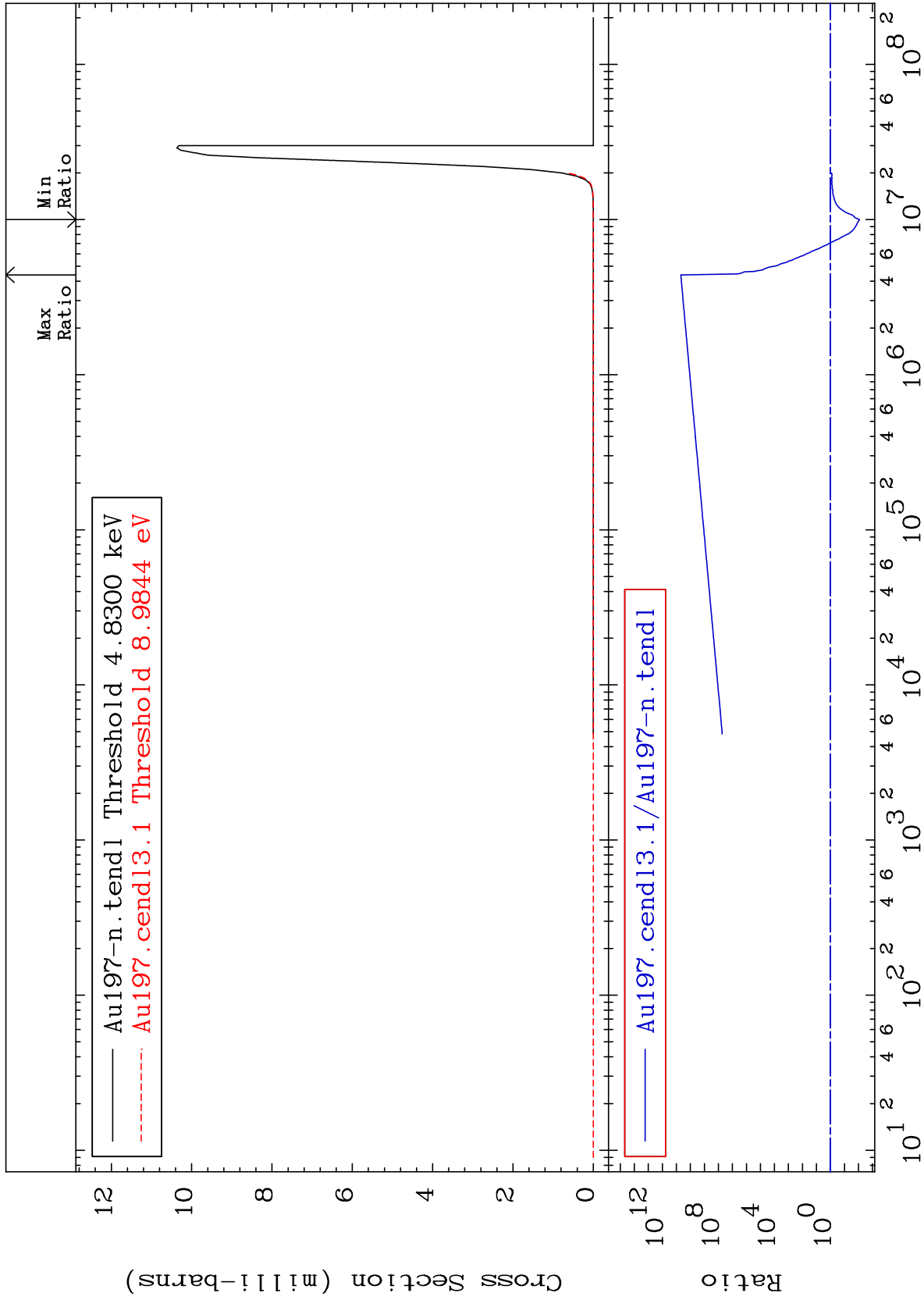
79-Au-197



MAT 7925

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

79-Au-197
-99.16 To 9999. %



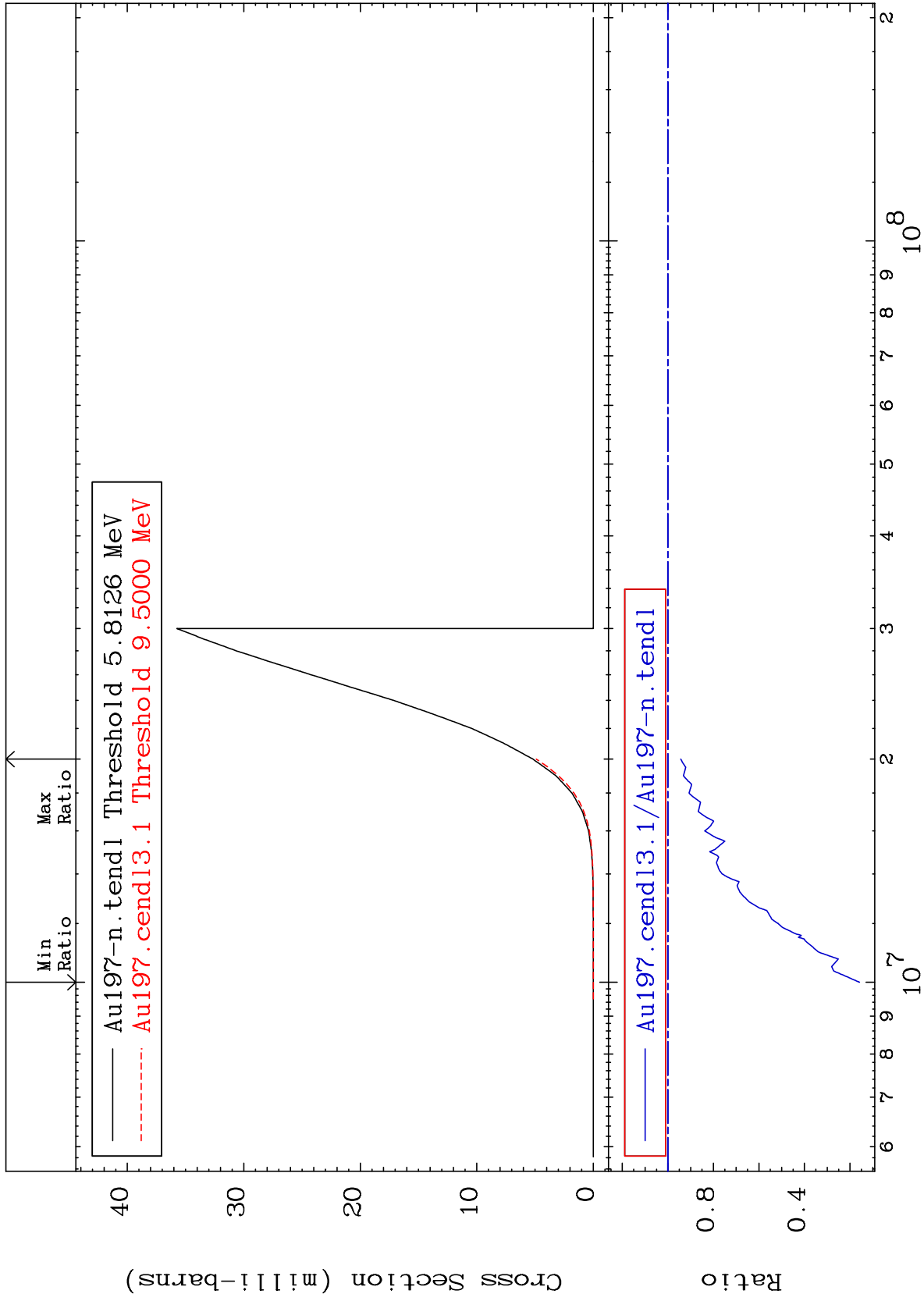
Incident Energy (eV)

79-Au-197

MAT 7925

(n, n') p
Cross Section

79-Au-197
-84.19 To -5.669%



7

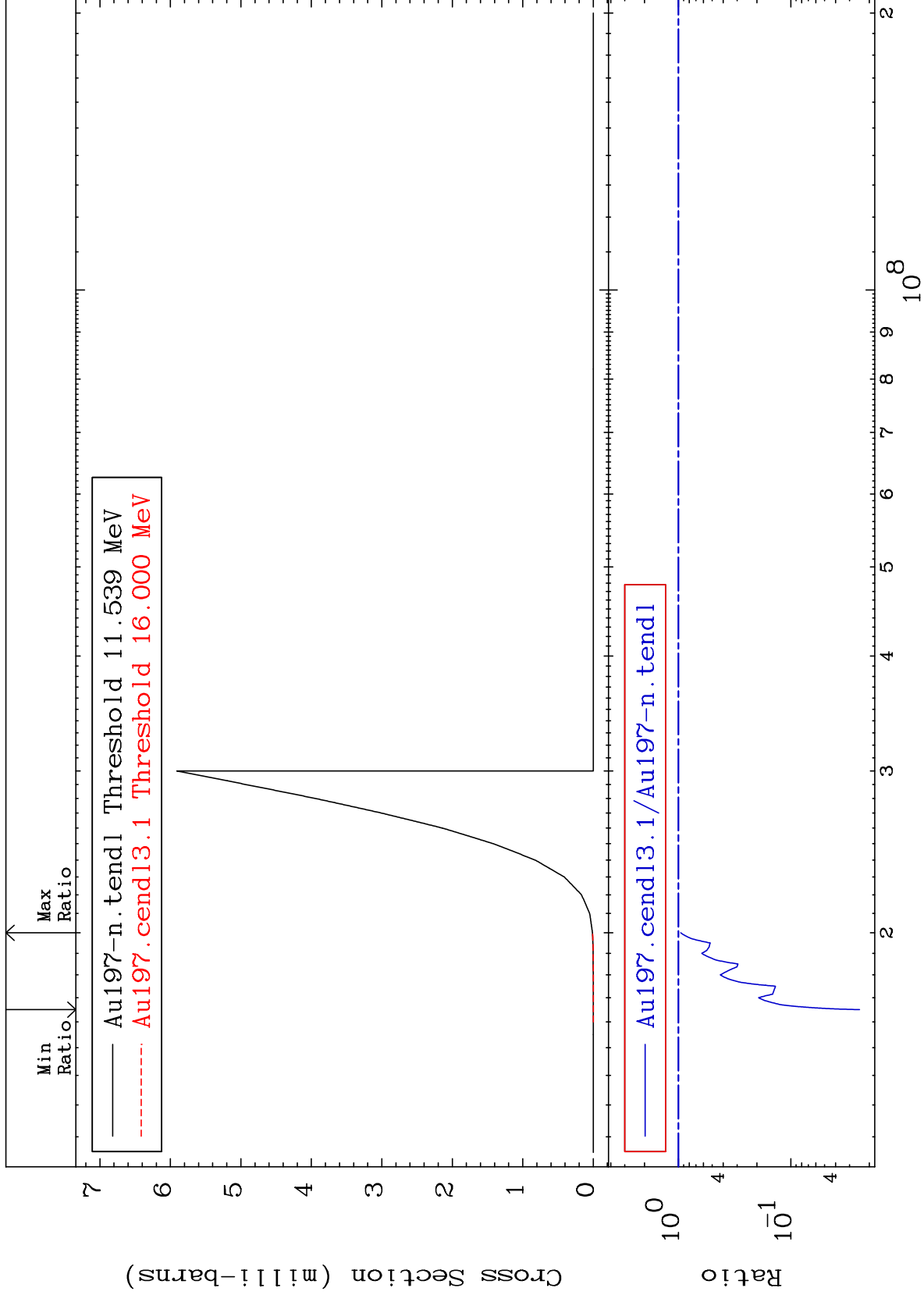
Incident Energy (eV)

79-Au-197

MAT 7925

(n,n') d
Cross Section

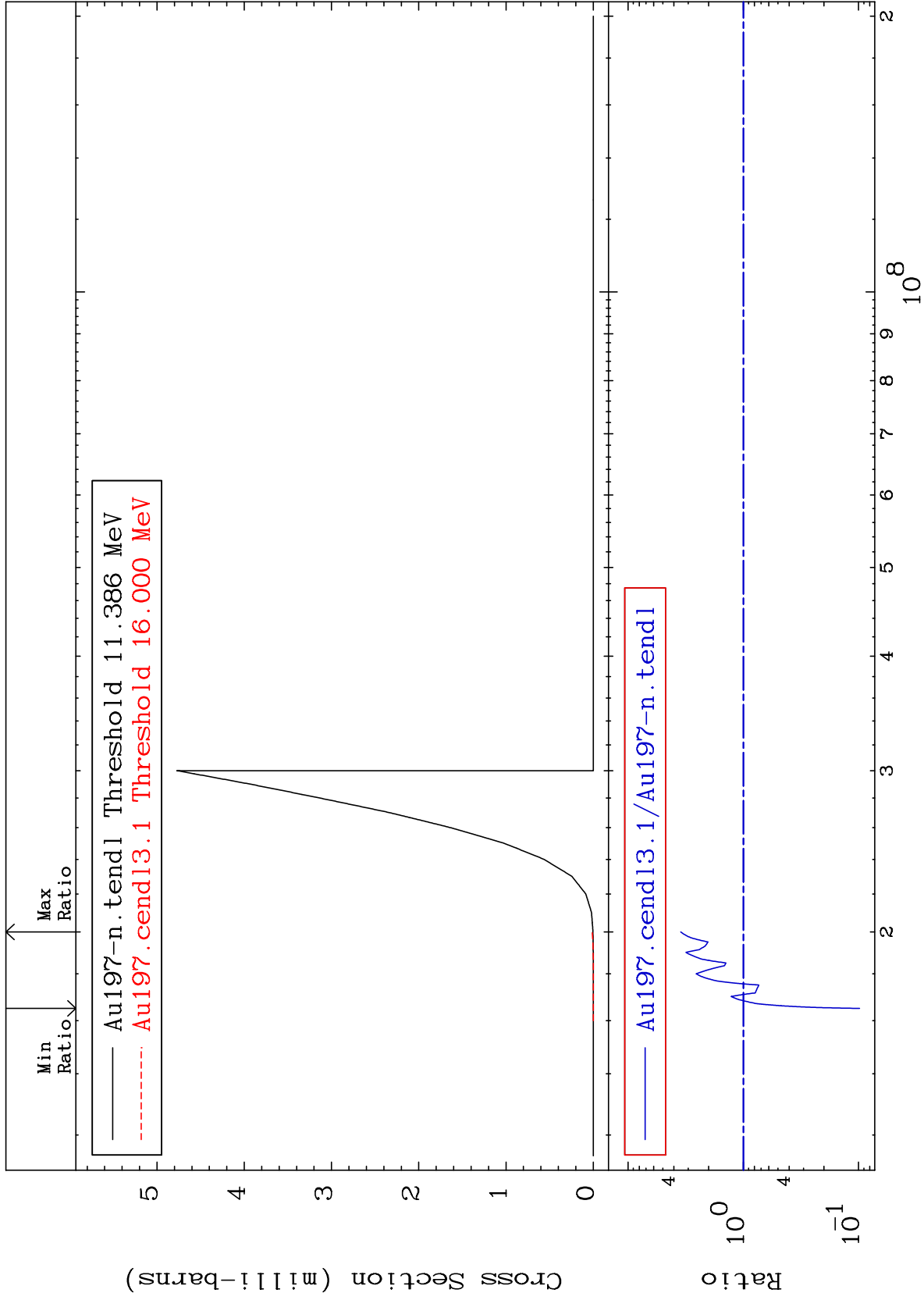
79-Au-197
-97.55 To -4.719%



MAT 7925

(n,n') t
Cross Section

79-Au-197
-90.20 To 248.7 %



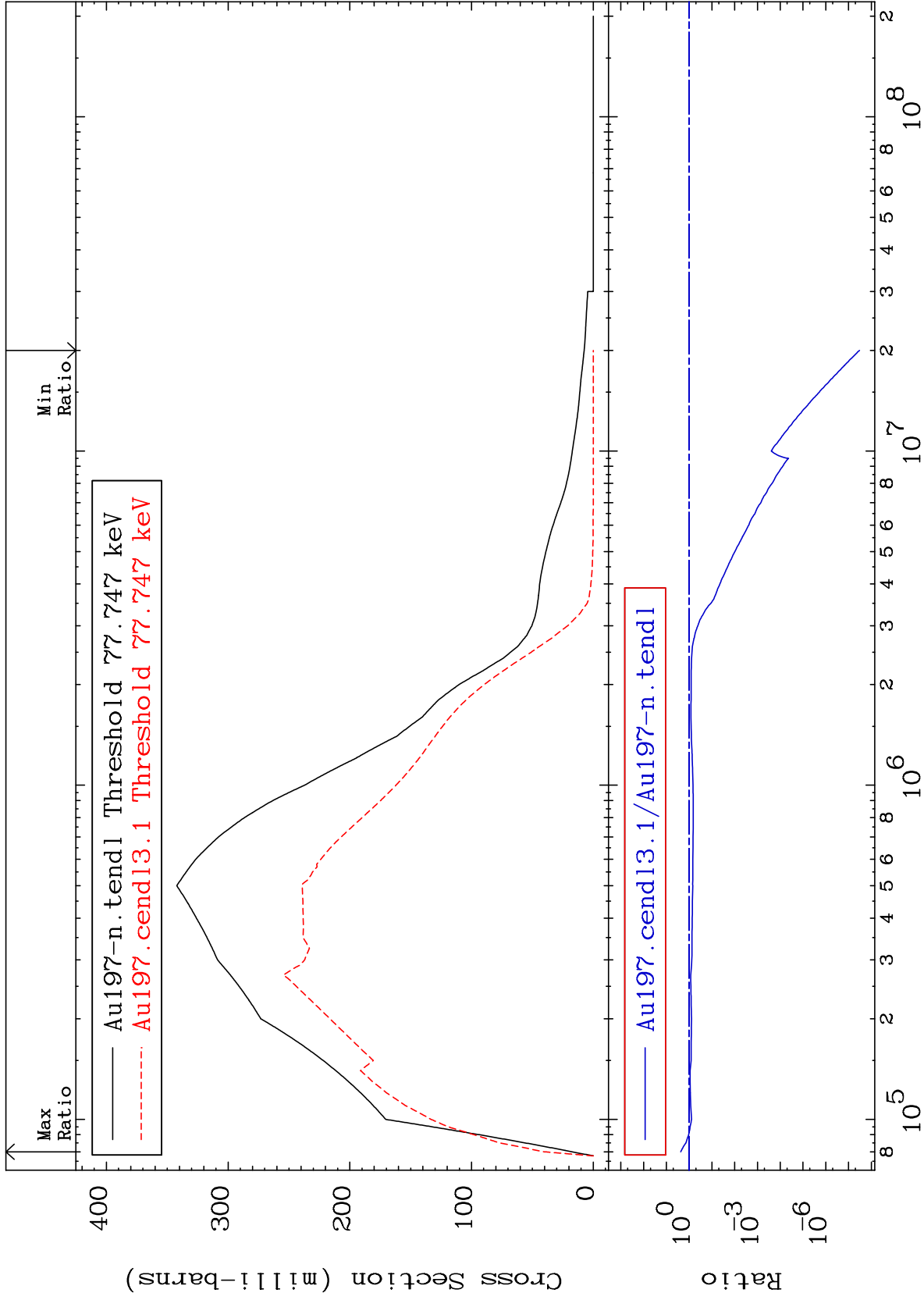
MAT 7925

77.35 keV (n,n') Level

⁷⁹Au-197

Cross Section

-100.0 To 133.3 %



10

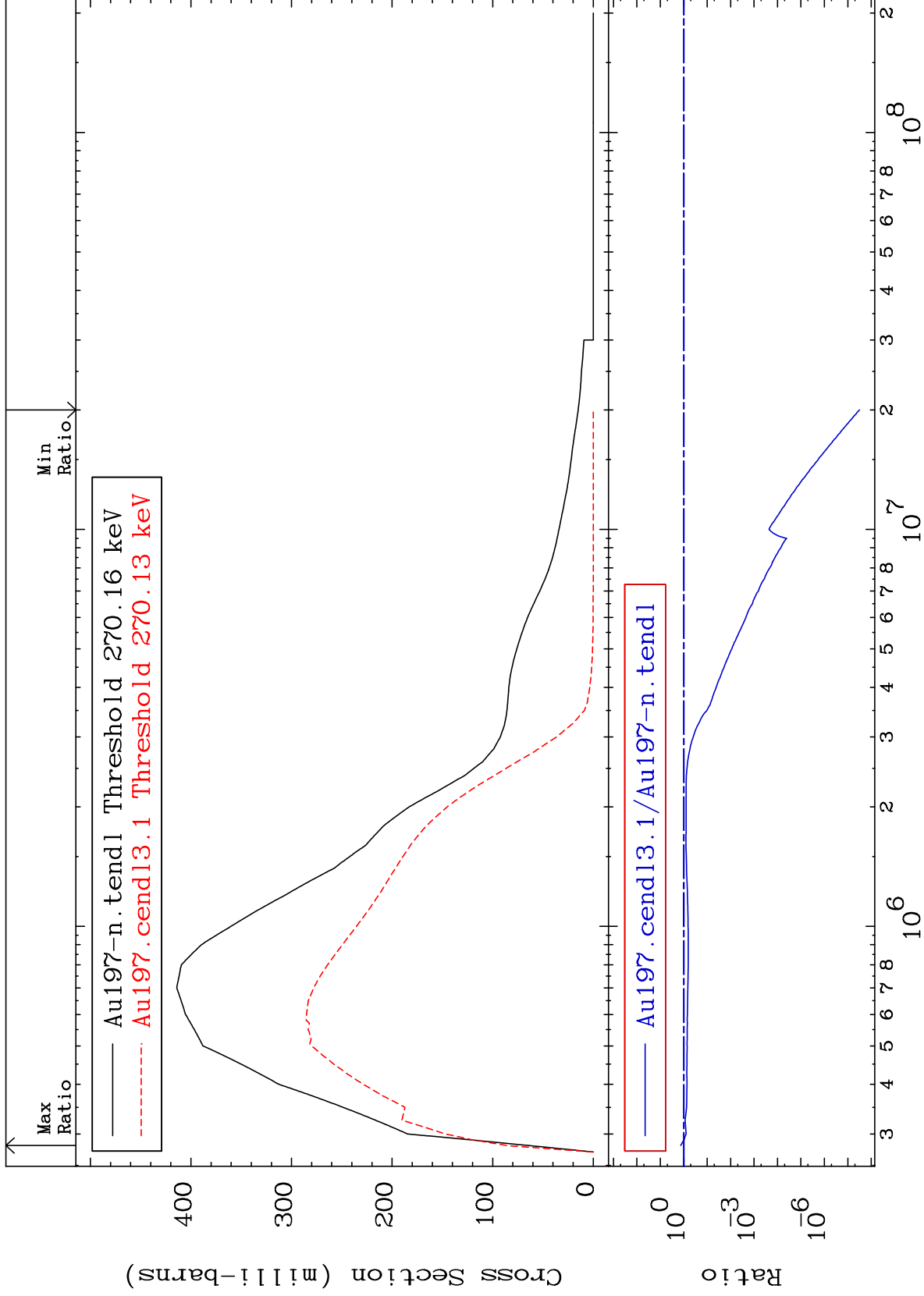
Incident Energy (eV)

⁷⁹Au-197

MAT 7925

268.8 keV (n,n') Level
Cross Section

79-Au-197
-100.0 To 34.17 %



11

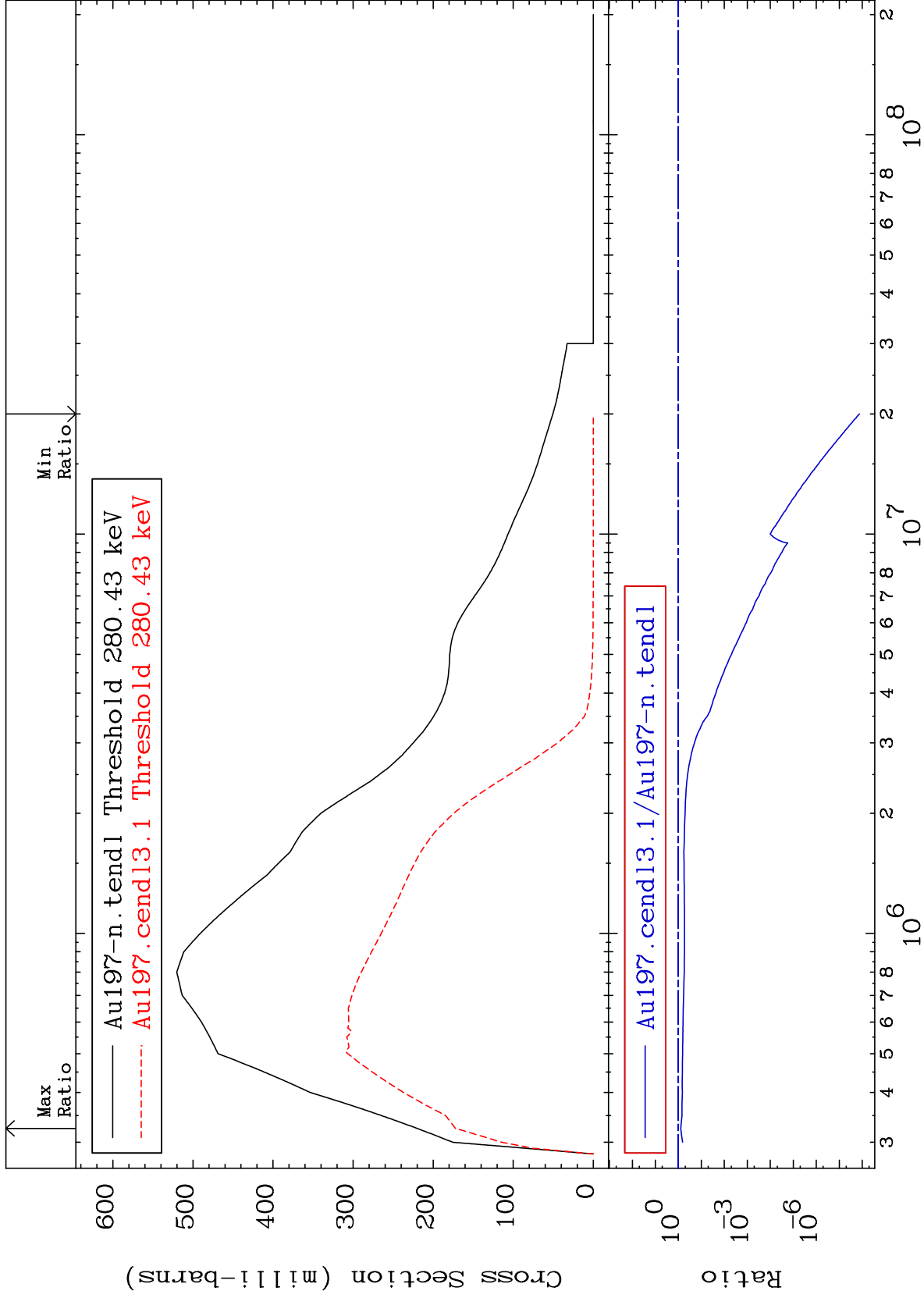
Incident Energy (eV)

79-Au-197

MAT 7925

279.0 keV (n,n') Level
Cross Section

⁷⁹Au-197
-100.0 To -21.77%



12

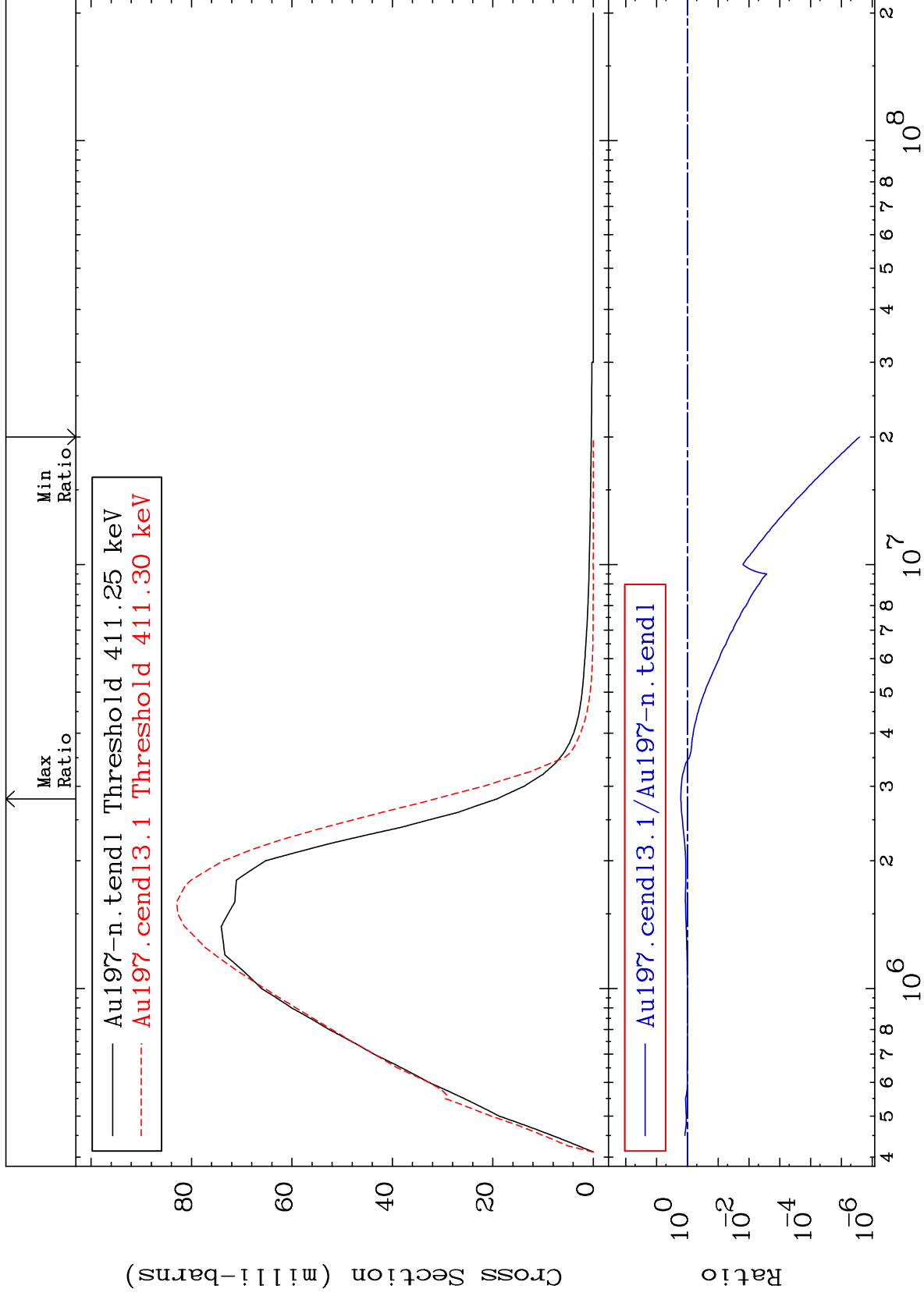
Incident Energy (eV)

⁷⁹Au-197

MAT 7925

409.2 keV (n,n') Level
Cross Section

79-Au-197
-100.0 To 64.32 %



13

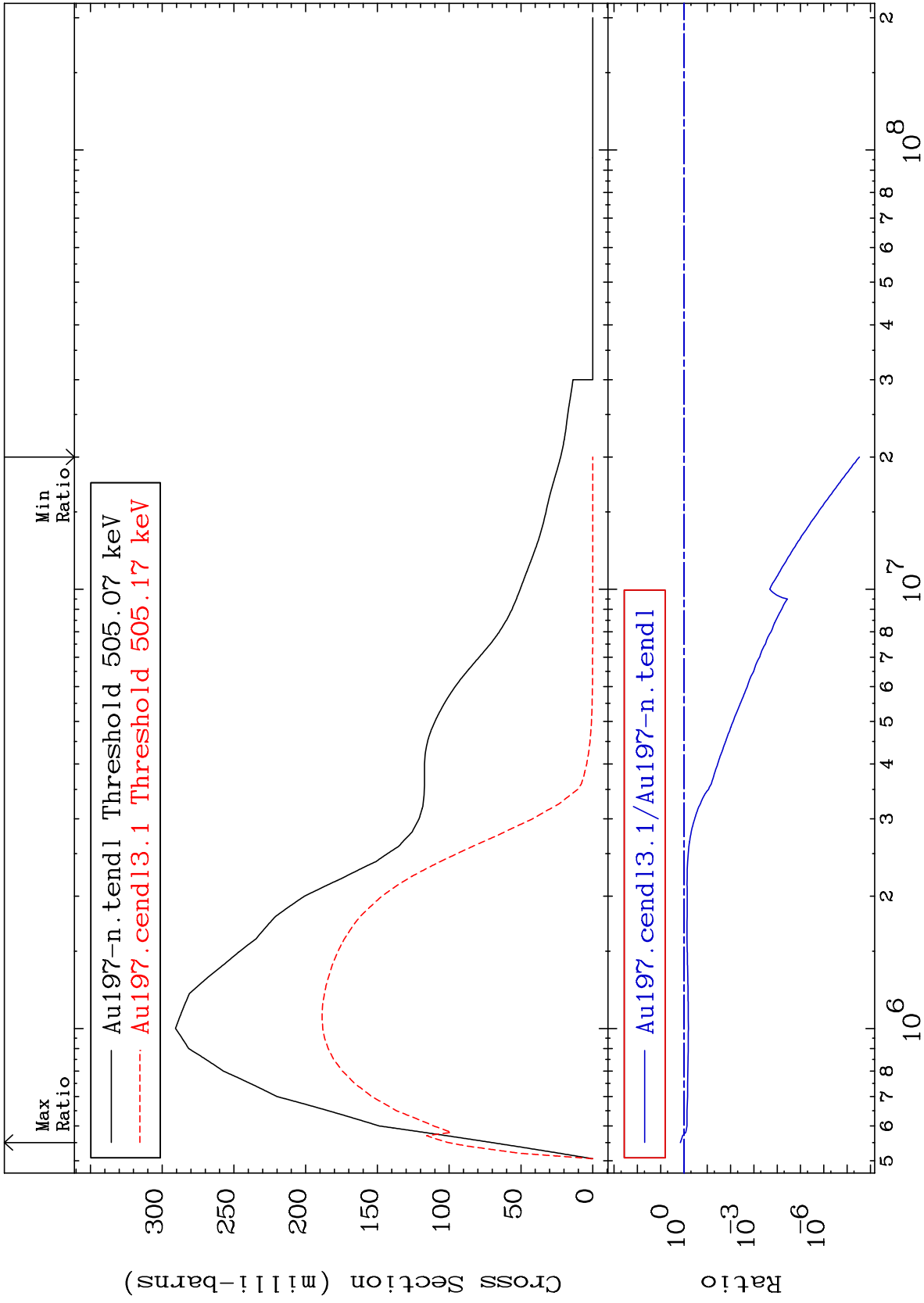
Incident Energy (eV)

79-Au-197

MAT 7925

502.5 keV (n,n') Level
Cross Section

⁷⁹Au-197
-100.0 To 42.95 %



14

Incident Energy (eV)

⁷⁹Au-197

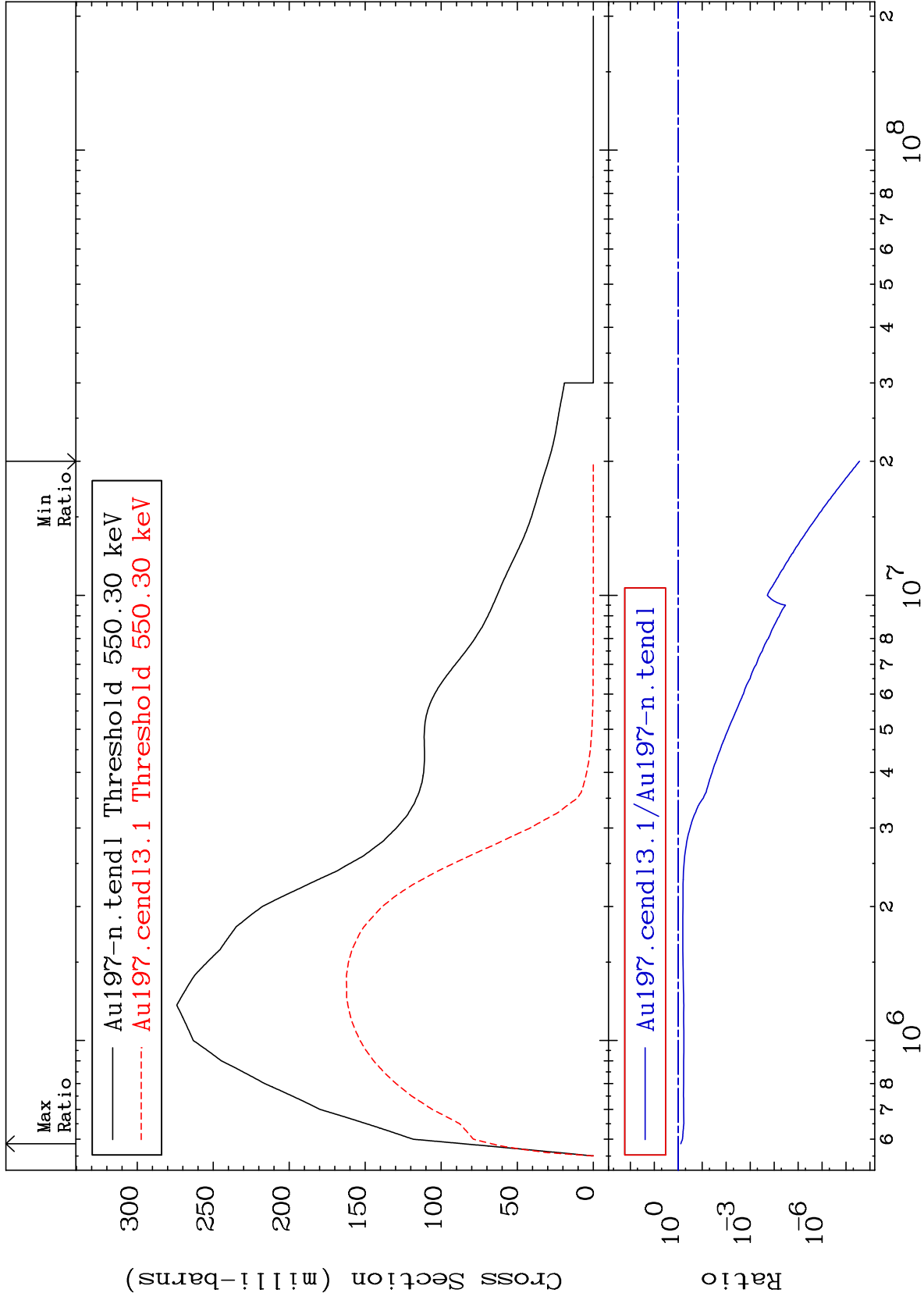
MAT 7925

547.5 keV (n,n') Level

⁷⁹Au-197

-100.0 To -21.56%

Cross Section



15

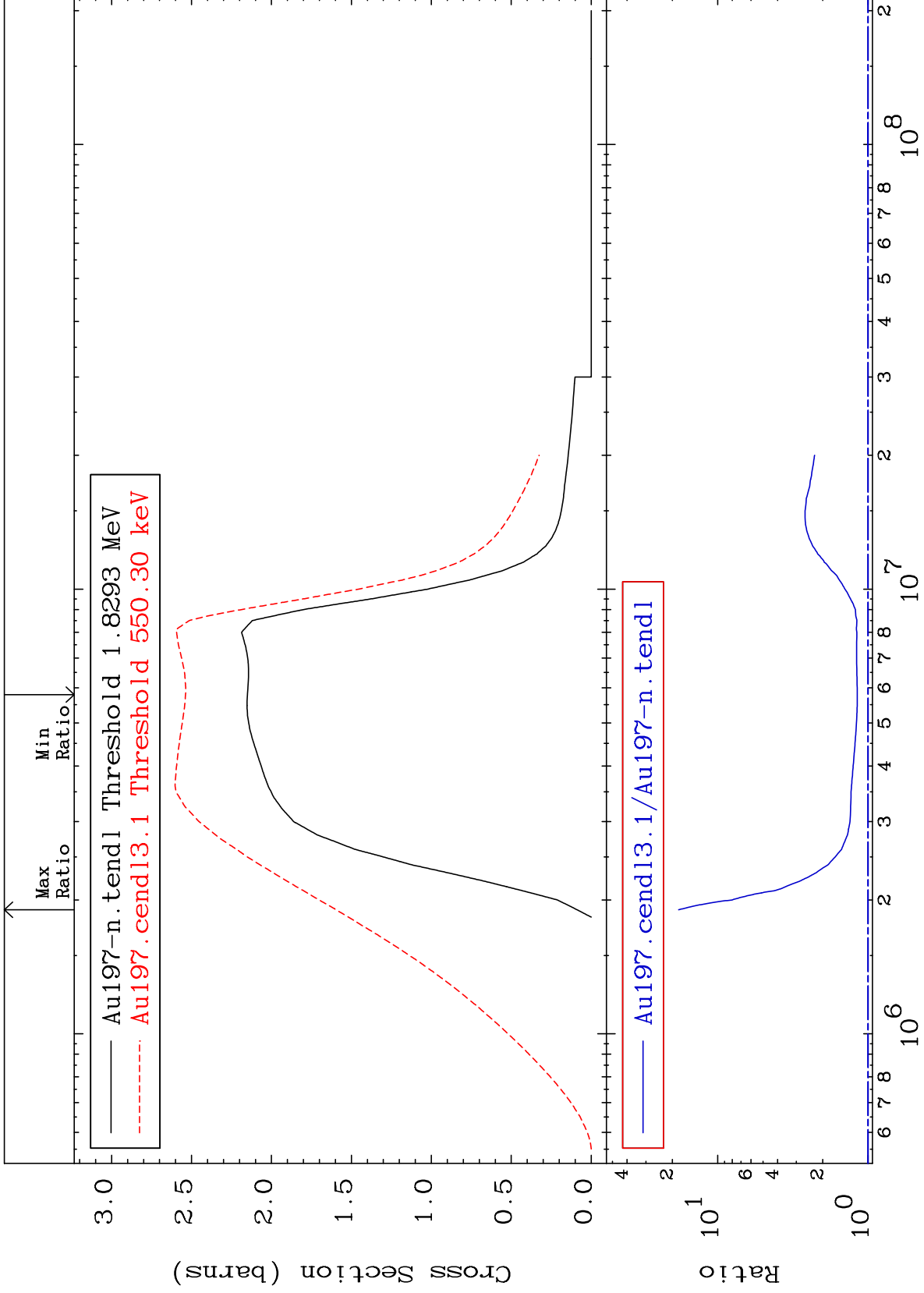
Incident Energy (eV)

⁷⁹Au-197

MAT 7925

(n, n') Continuum
Cross Section

79-Au-197
17.99 To 1717. %



16

Incident Energy (eV)

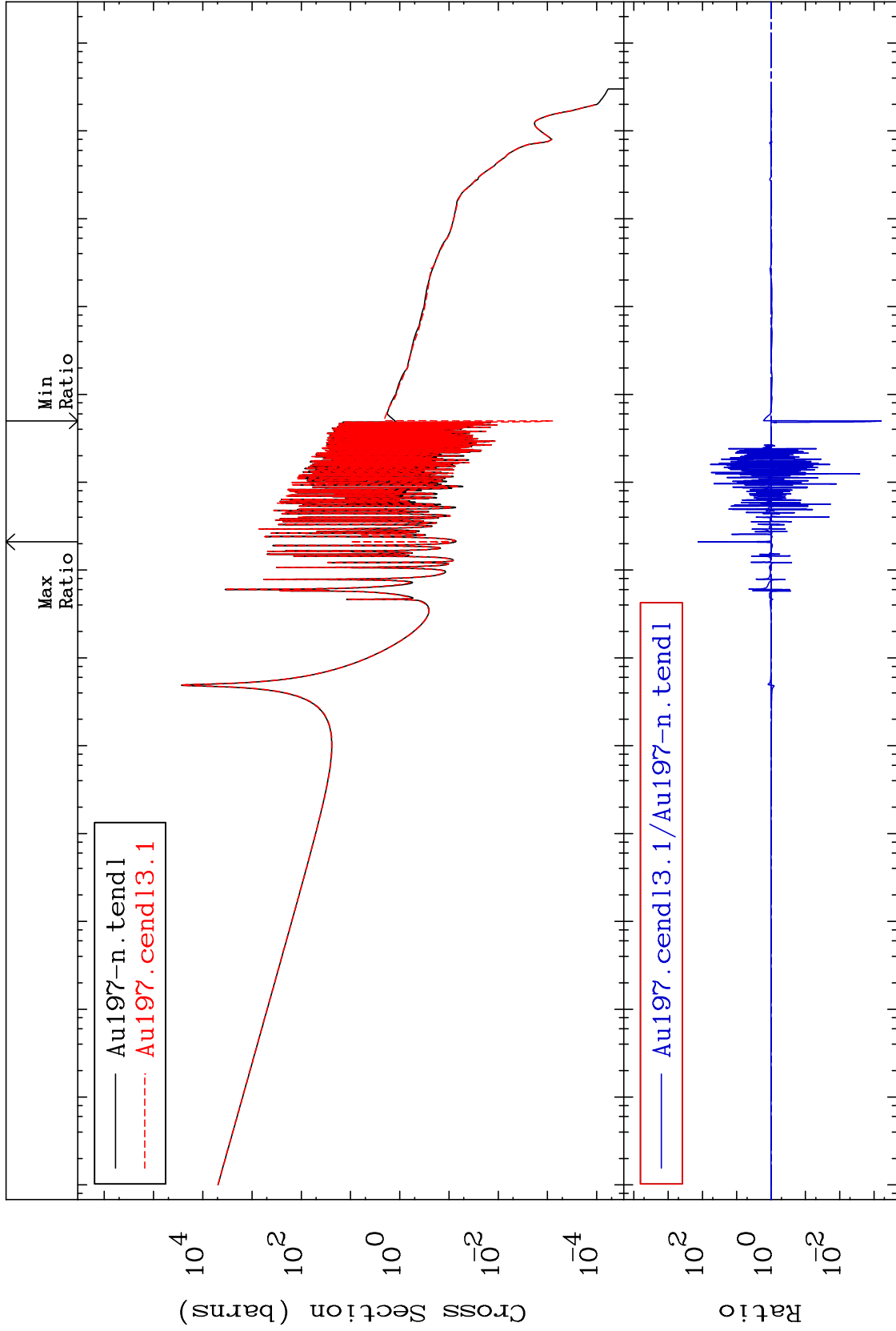
79-Au-197

MAT 7925

79-Au-197

-99.94 To 9999. %

(n, γ)
Cross Section



17

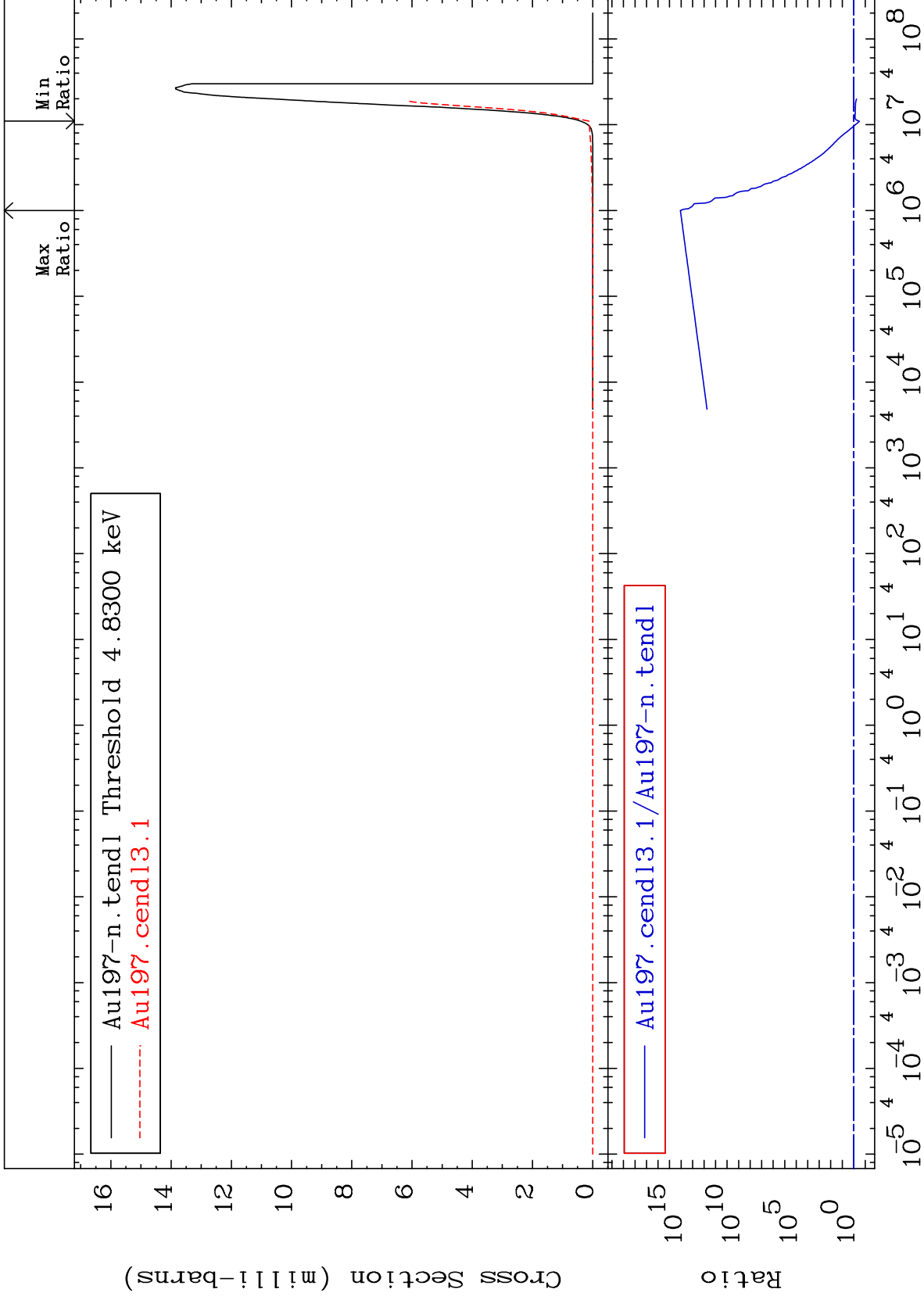
Incident Energy (eV)

79-Au-197

MAT 7925

(n,p)
Cross Section

79-Au-197
-67.75 To 9999. %



Incident Energy (eV)

79-Au-197

18

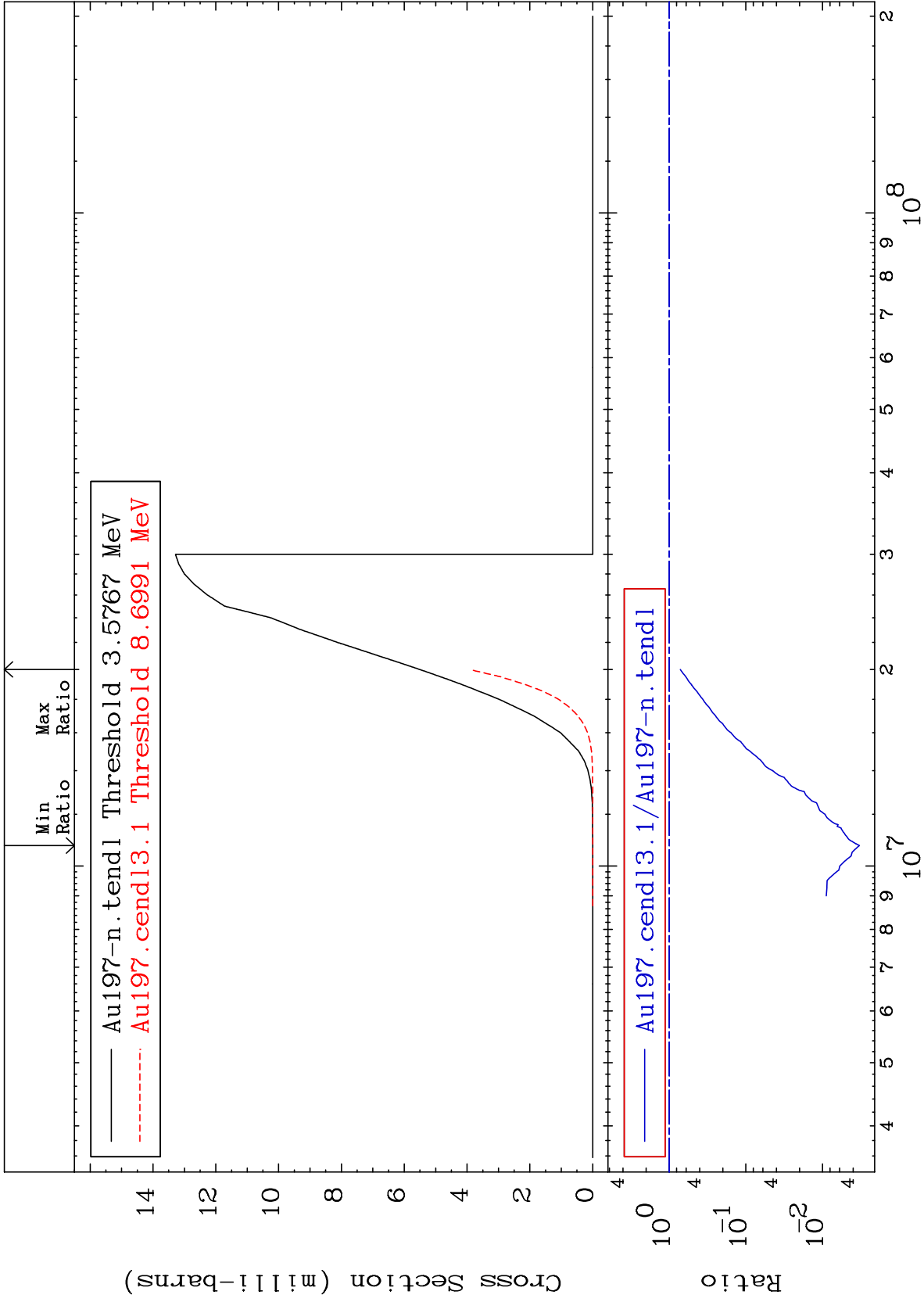
MAT 7925

(n, d)

79-Au-197

Cross Section

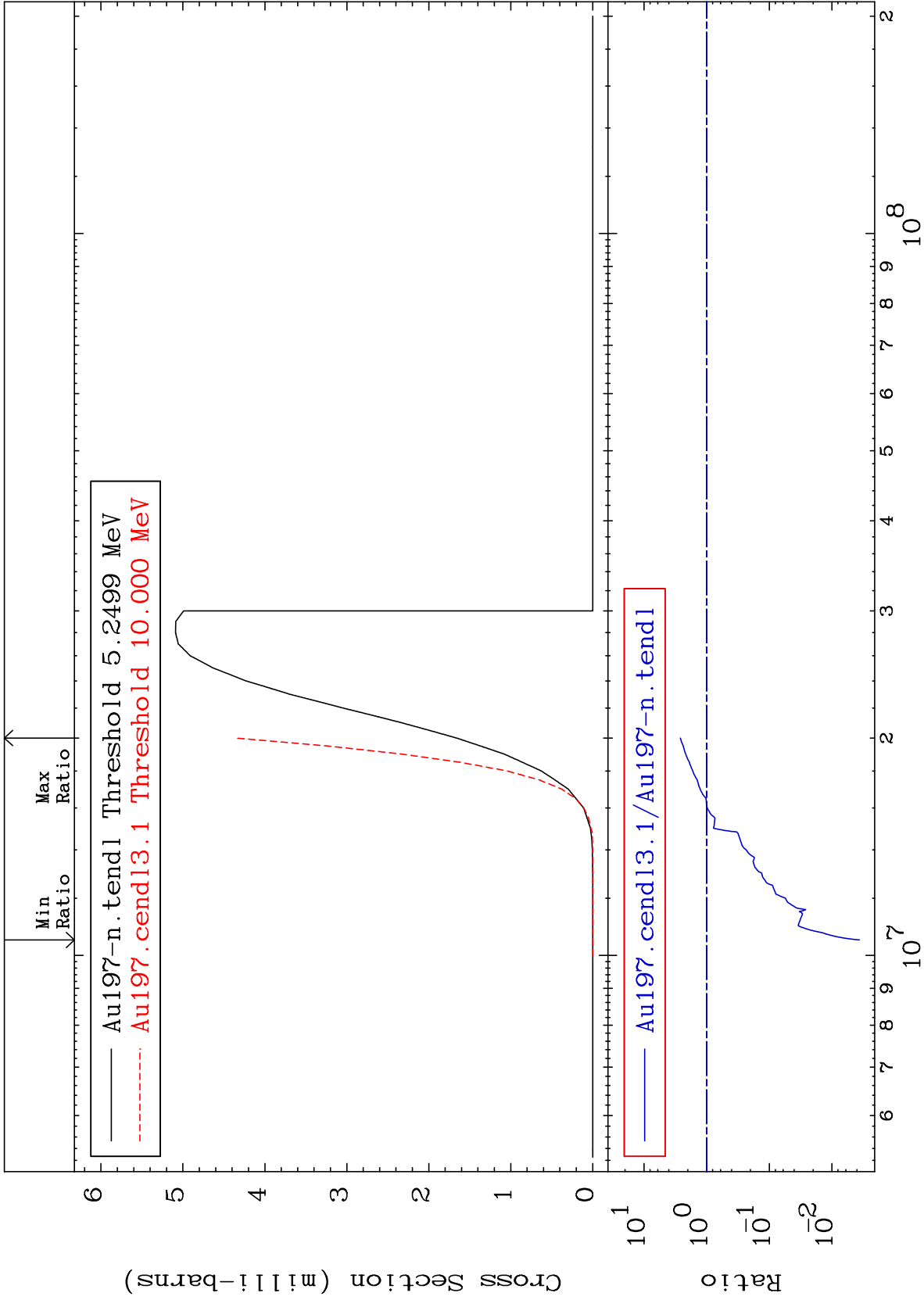
-99.67 To -28.55%



19

Incident Energy (eV)

79-Au-197



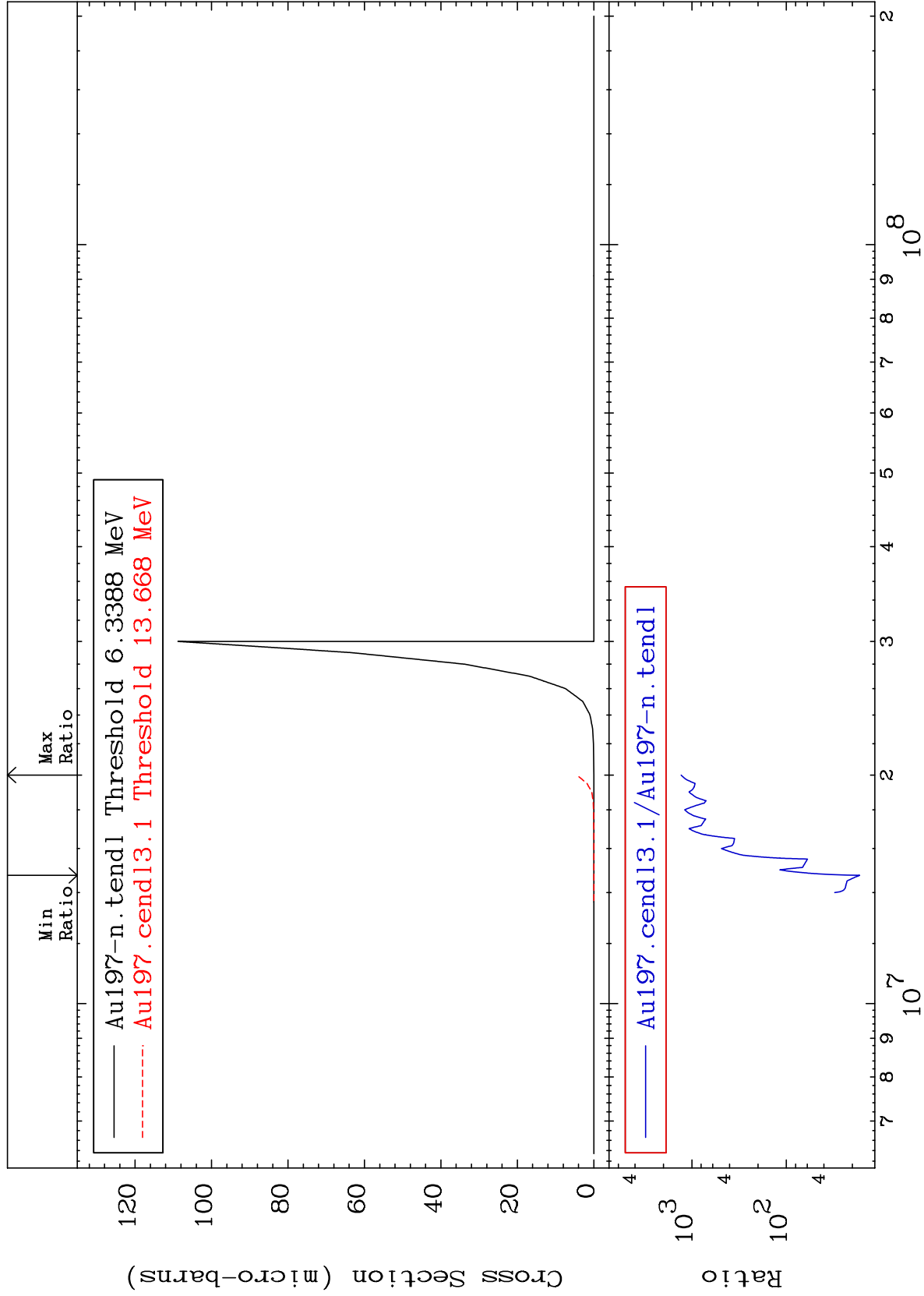
MAT 7925

(n, He-3)

79-Au-197

Cross Section

1579. To 9999. %



21

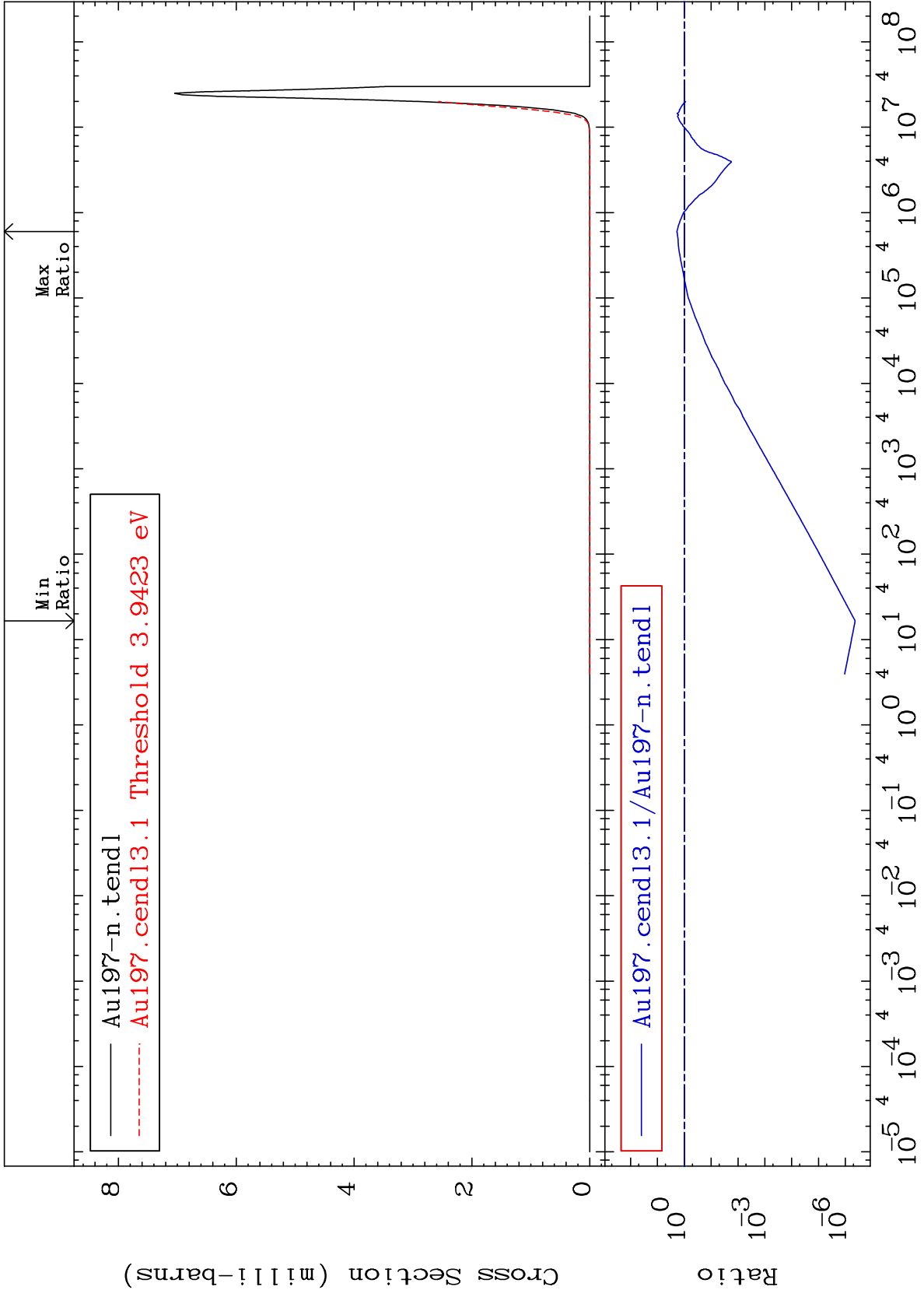
Incident Energy (eV)

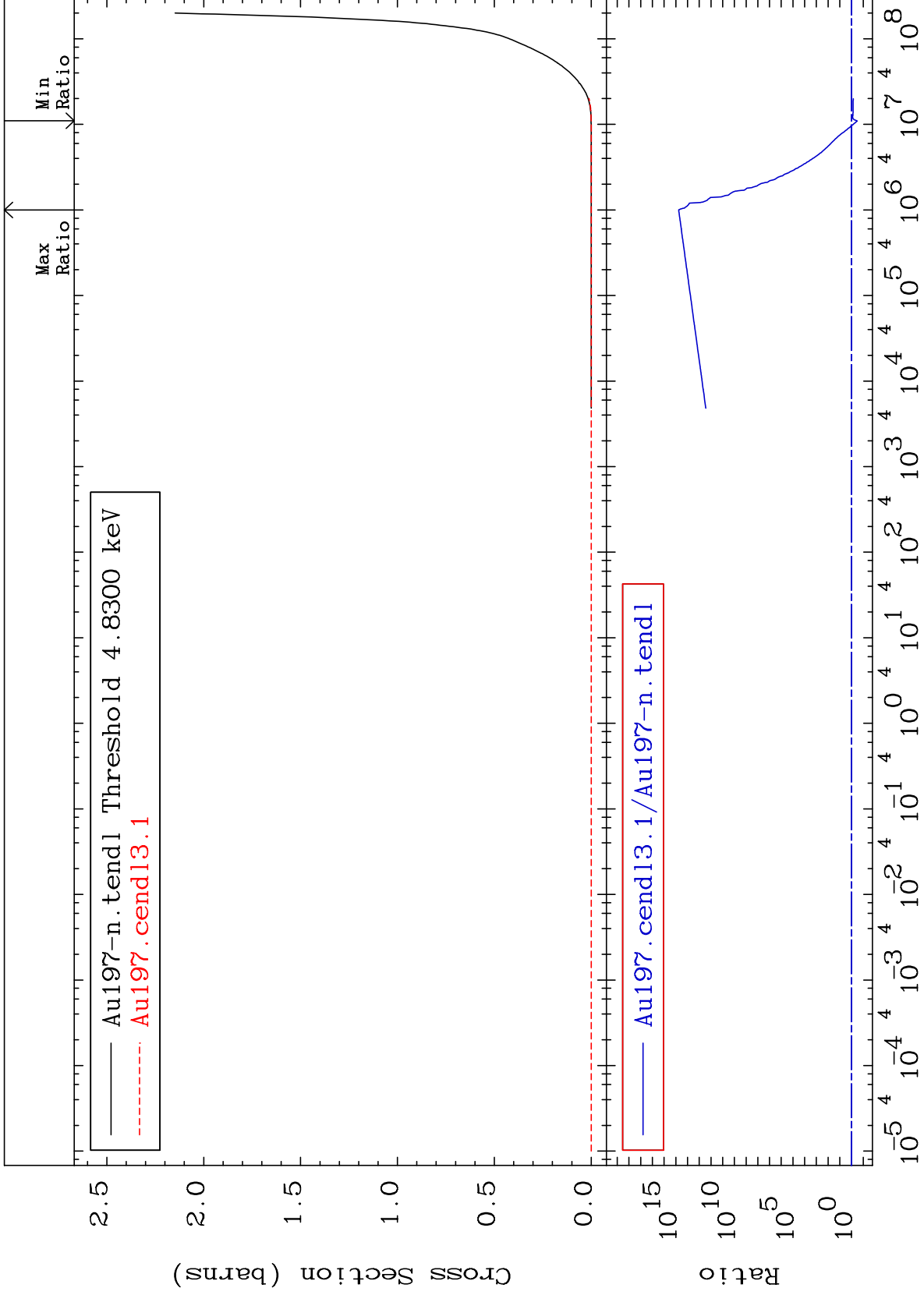
79-Au-197

MAT 7925

(n, α)
Cross Section

79-Au-197
-100.0 To 87.64 %

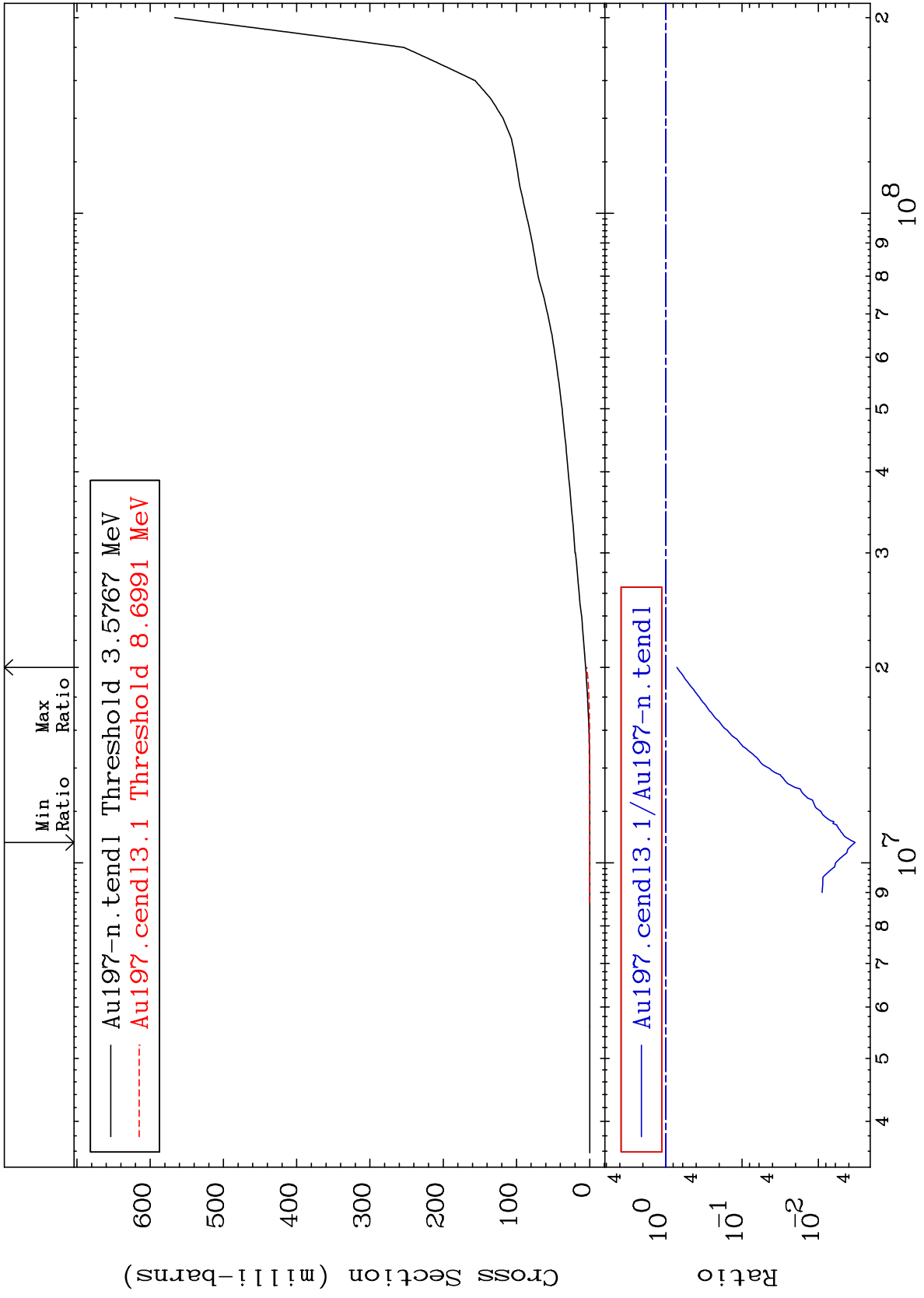




MAT 7925

Deuterium Production
Cross Section

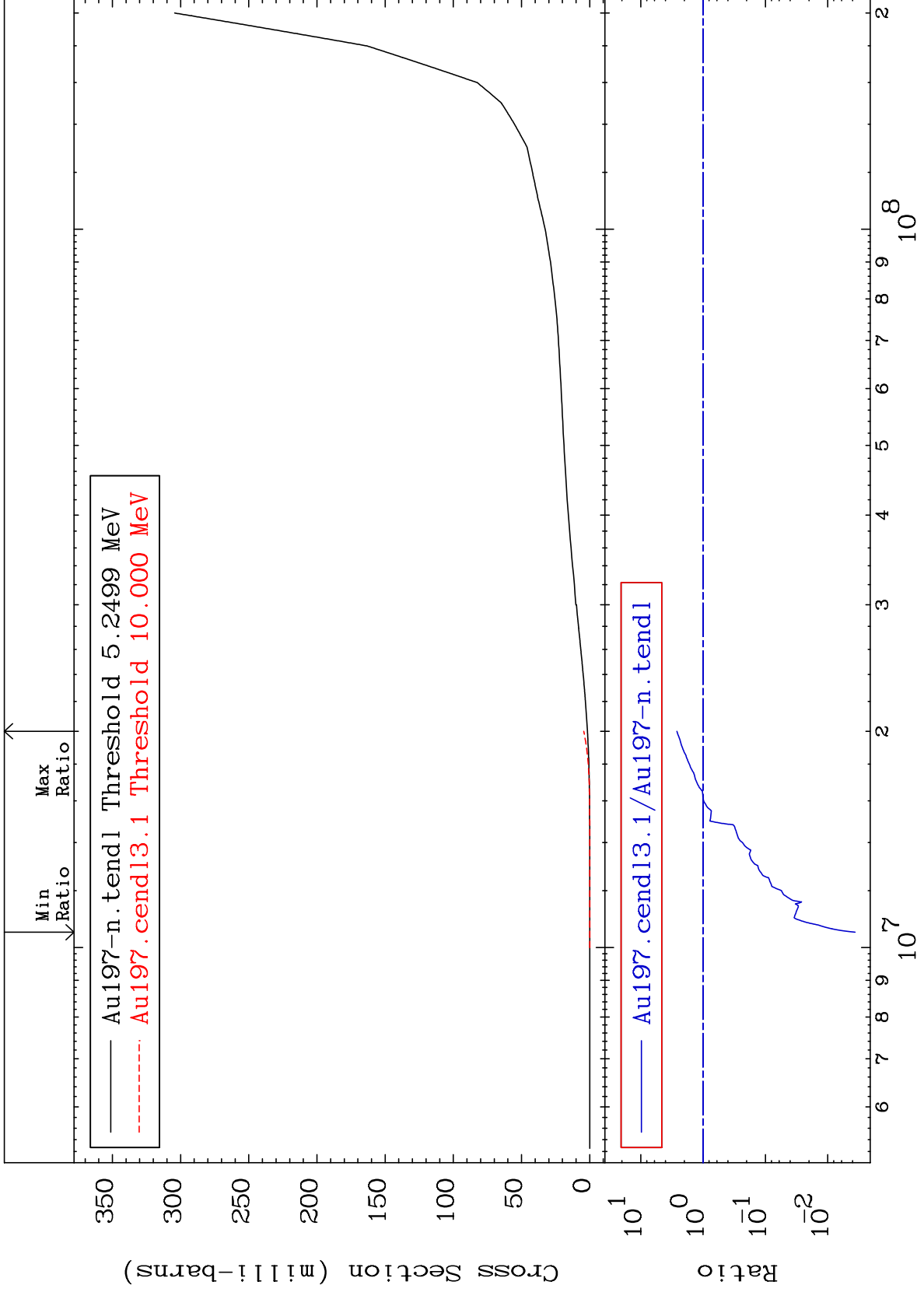
⁷⁹Au-197
-99.67 To -28.50%



MAT 7925

Tritium Production
Cross Section

⁷⁹Au-197
-99.64 To 162.8 %



25

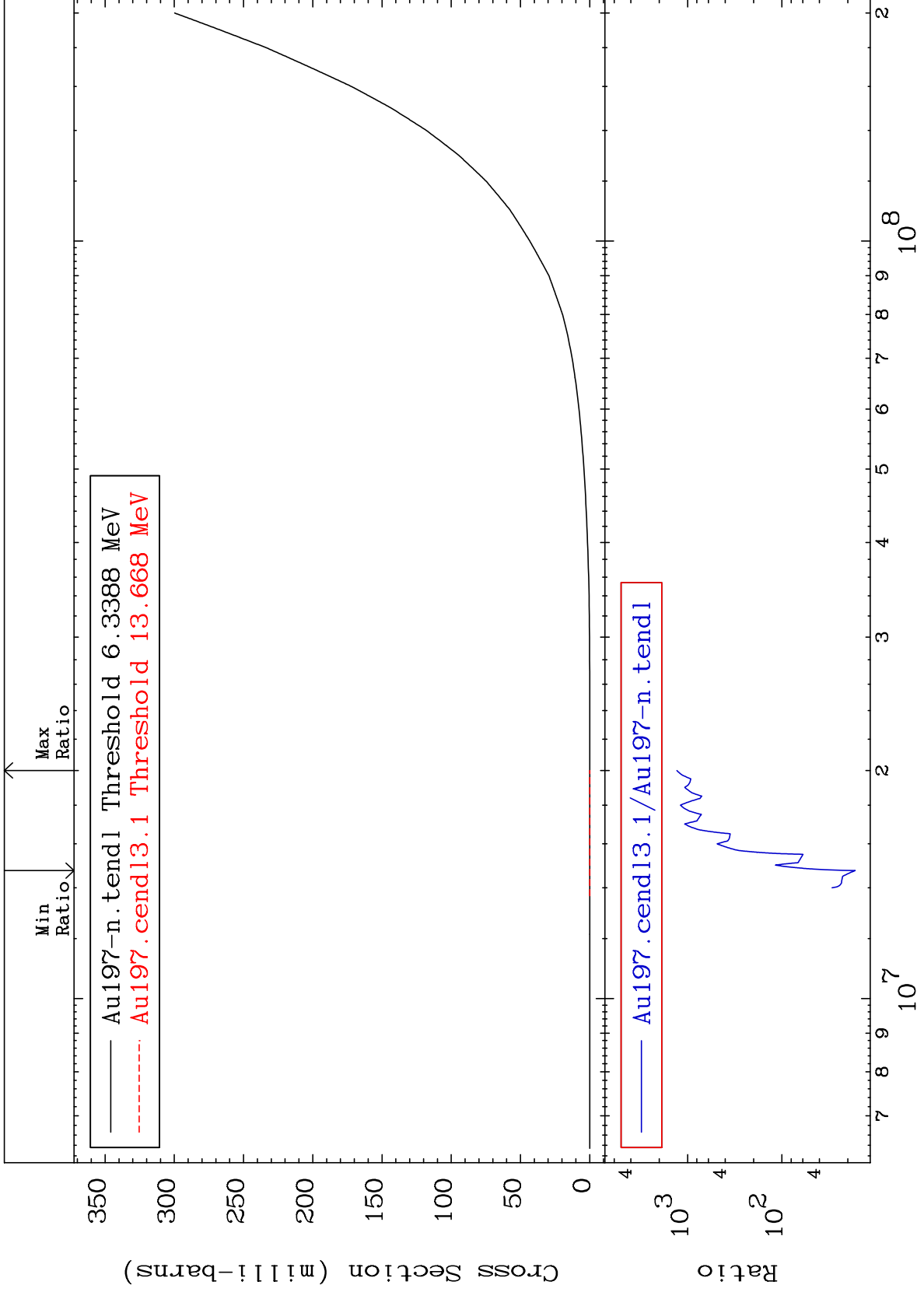
Incident Energy (eV)

⁷⁹Au-197

MAT 7925

He-3 Production
Cross Section

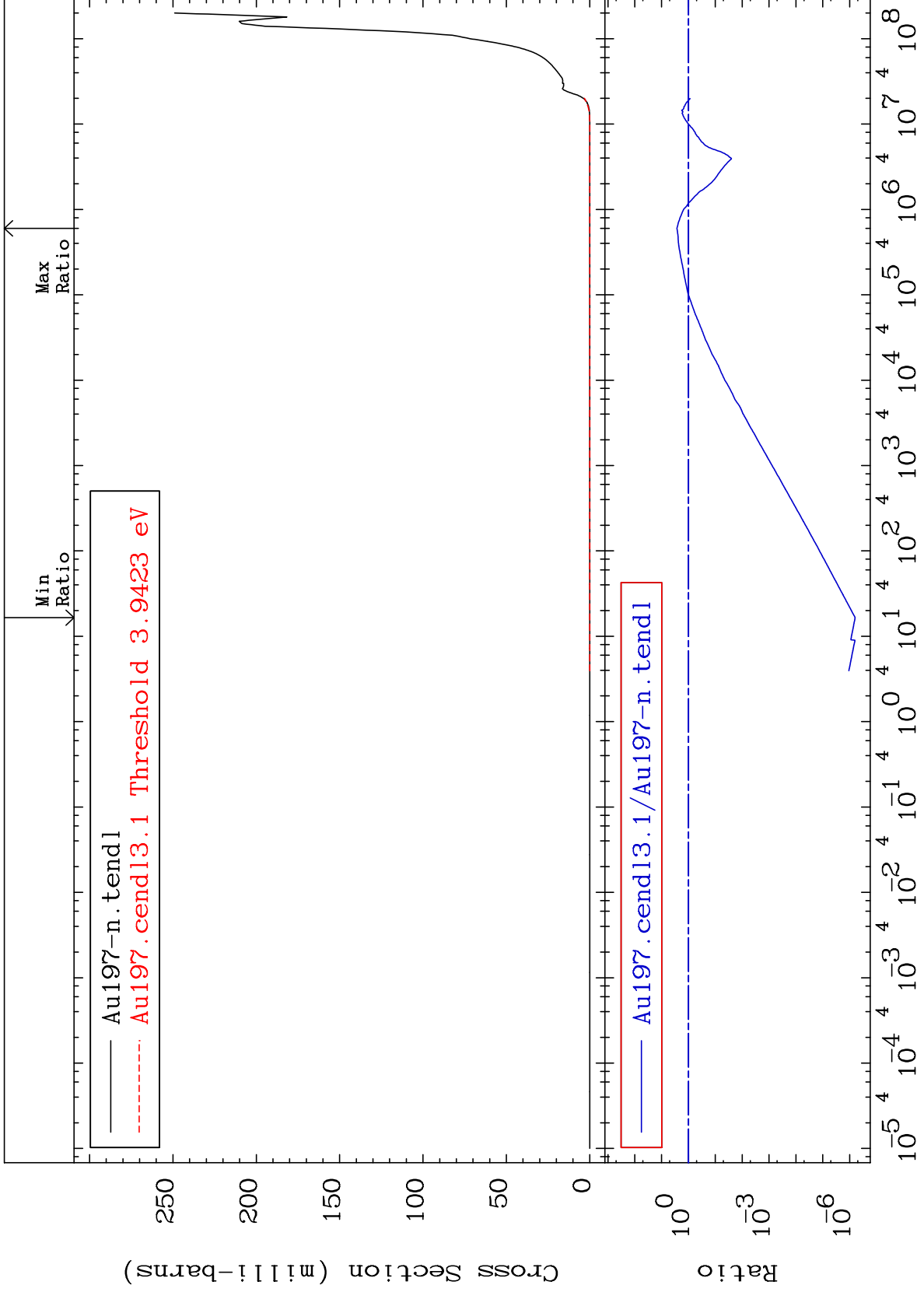
79-Au-197
1578. To 9999. %



MAT 7925

He-4 Production
Cross Section

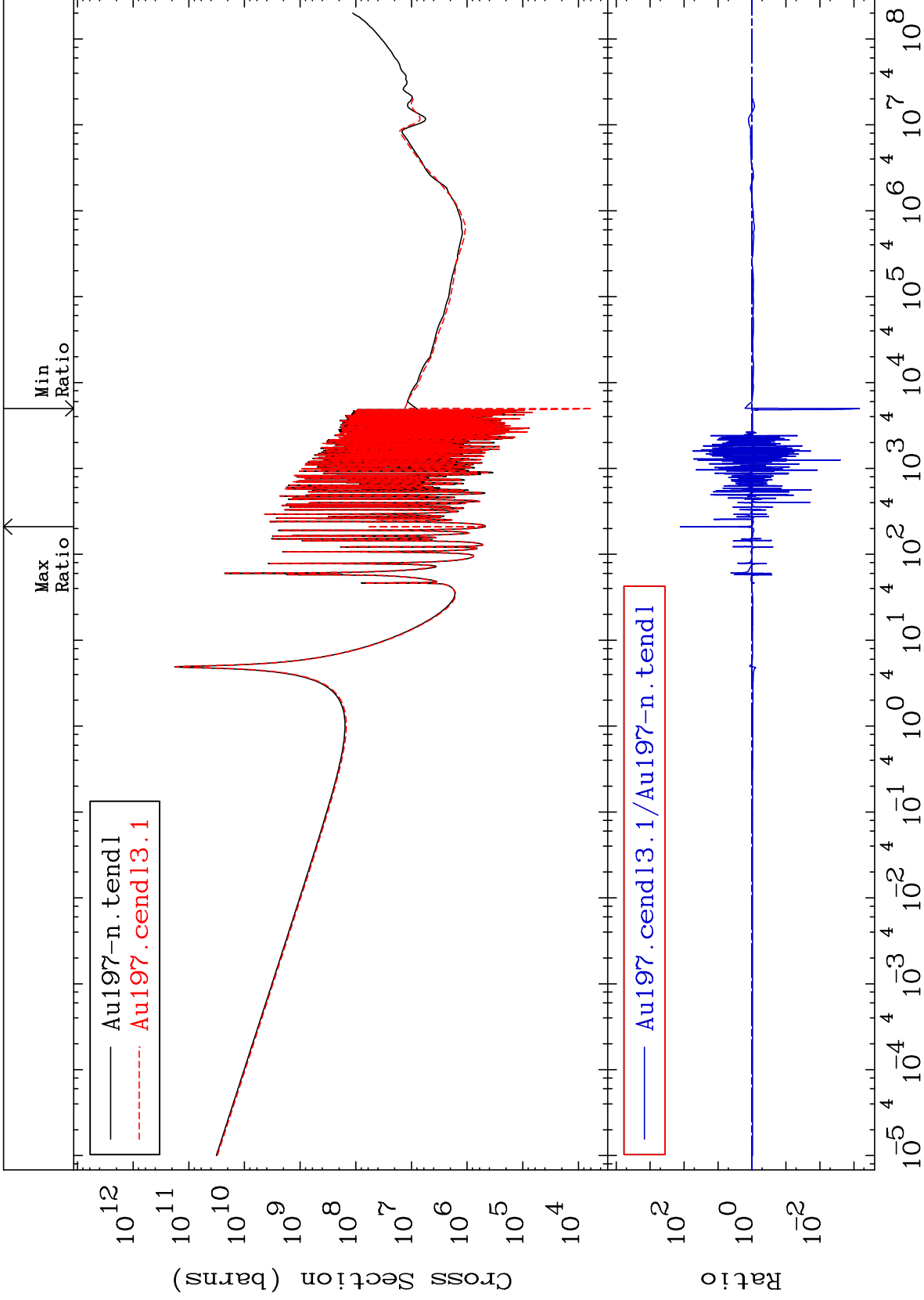
79-Au-197
-100.0 To 169.4 %



27

Incident Energy (eV)

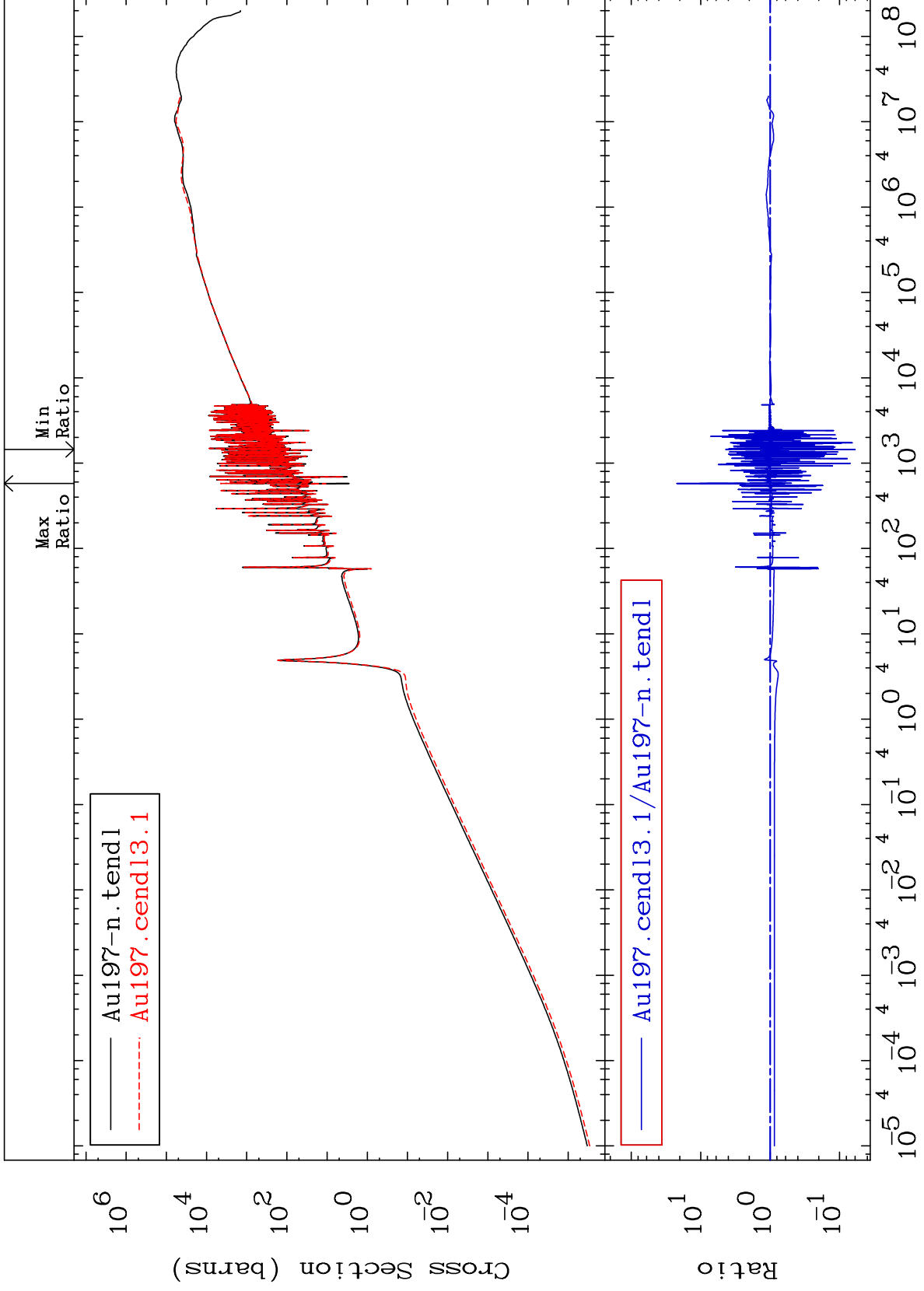
79-Au-197

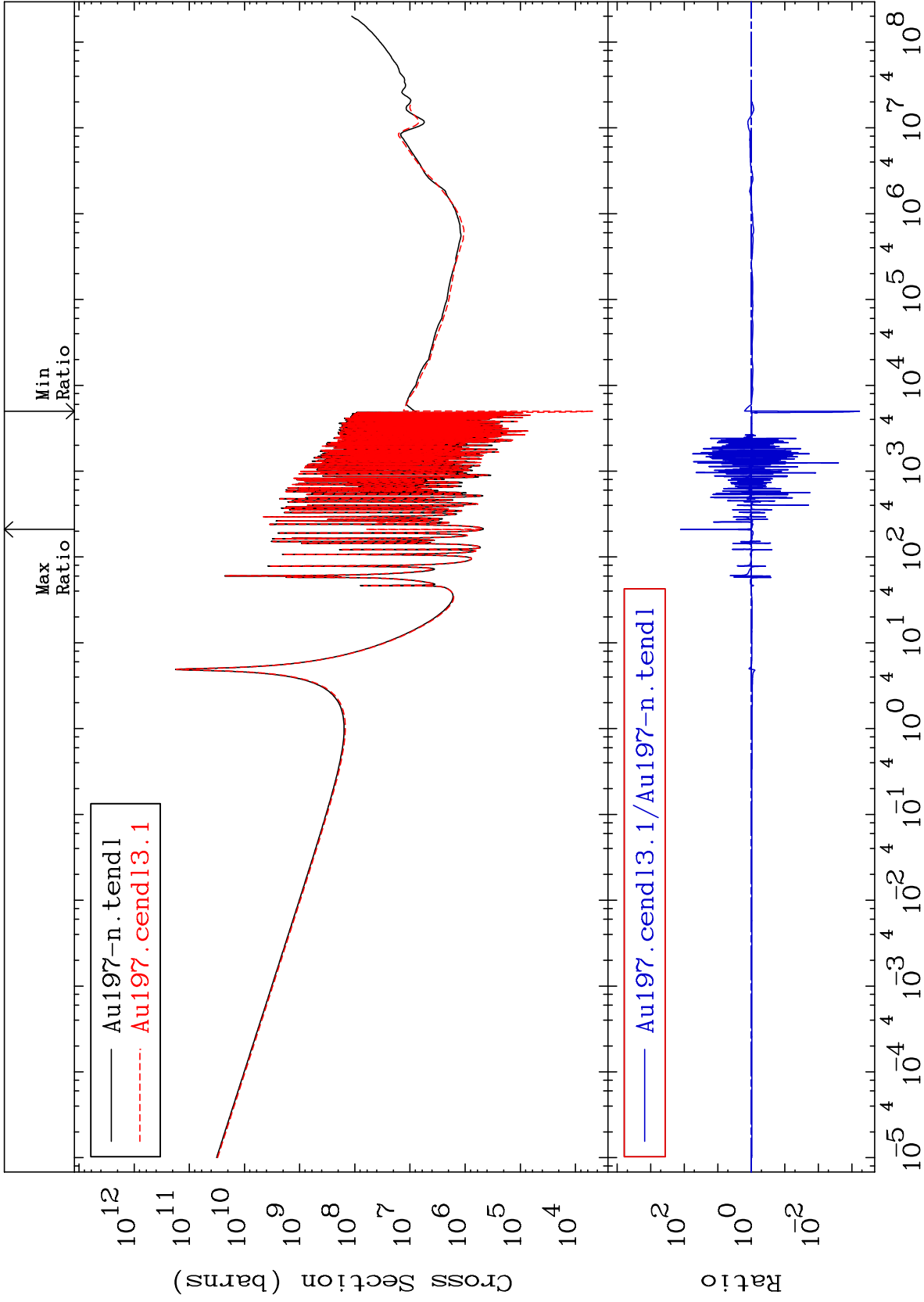


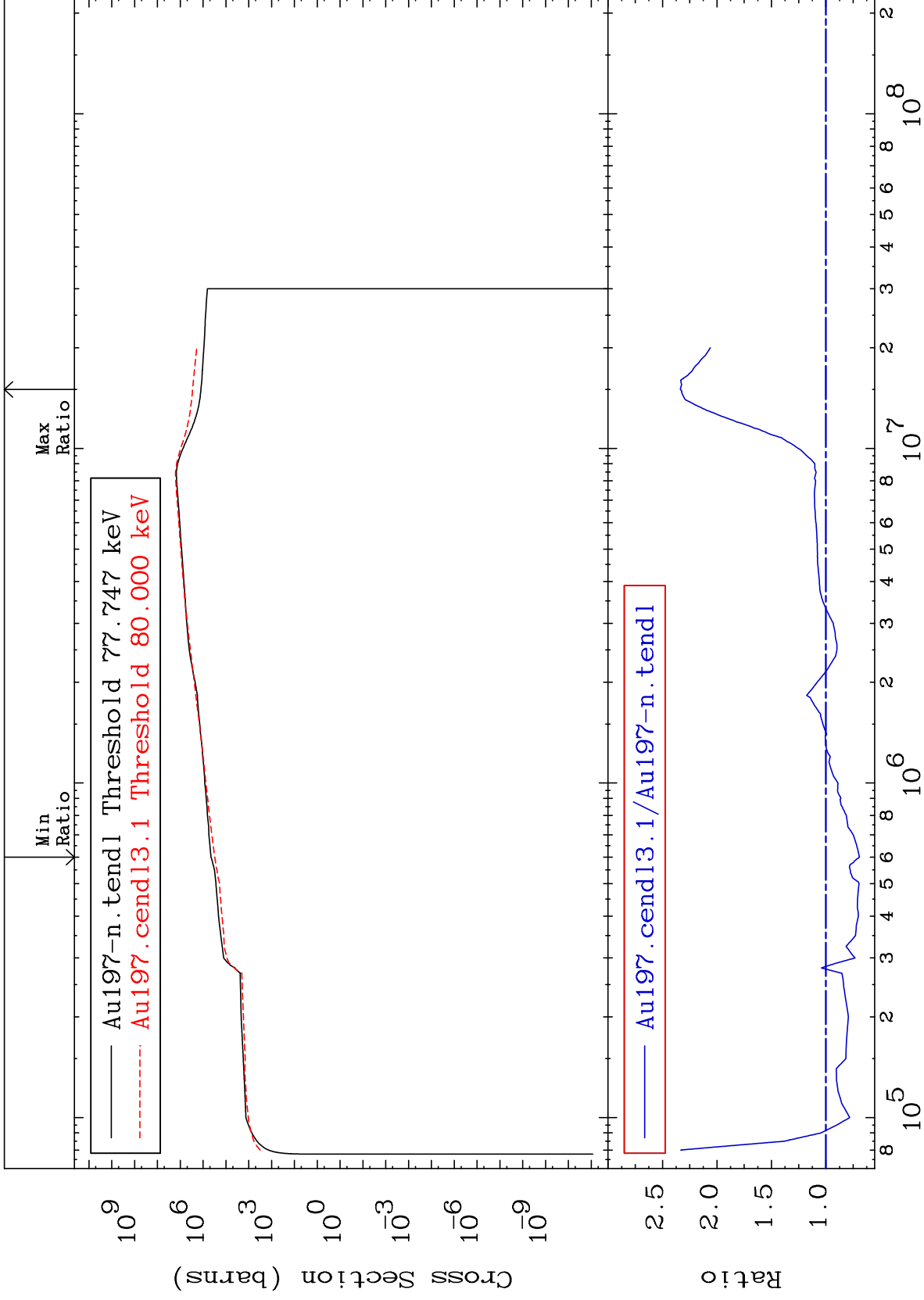
MAT 7925

Kerma elastic
Cross Section

79-Au-197
-94.01 To 2100. %



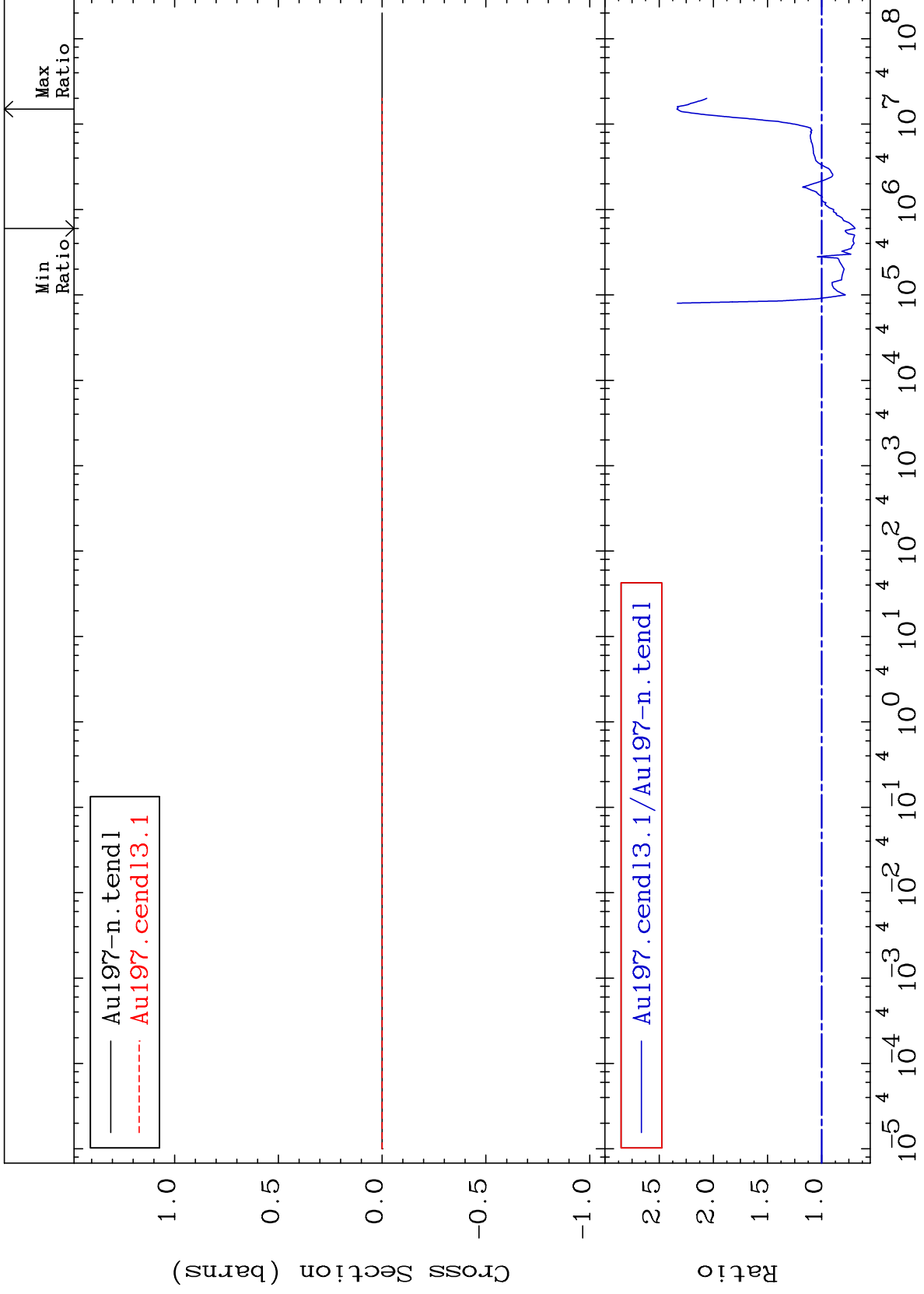




MAT 7925

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

79-Au-197
-30.76 To 133.6 %



Incident Energy (eV)

79-Au-197

32

