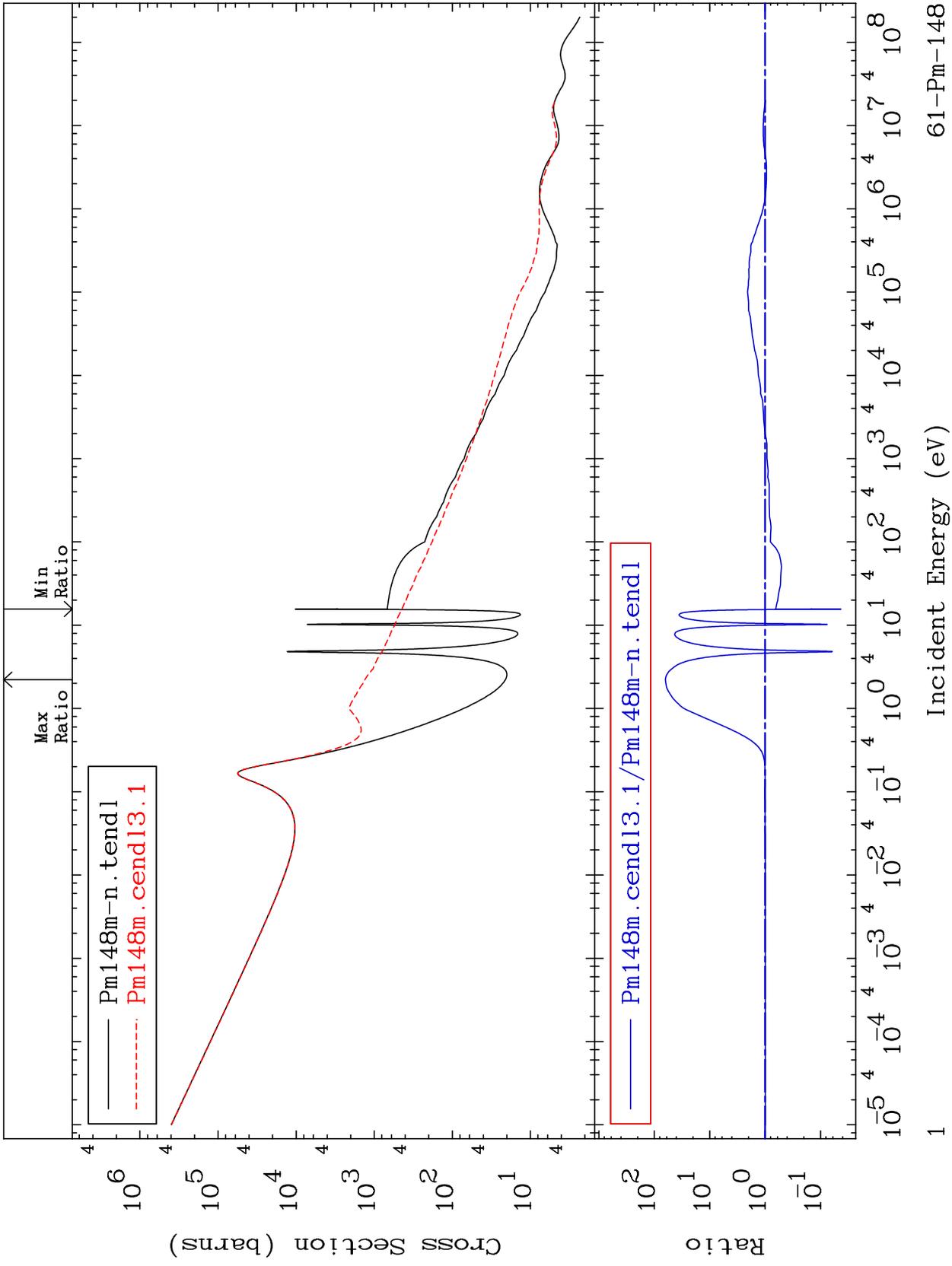


MAT 6153

Total
Cross Section

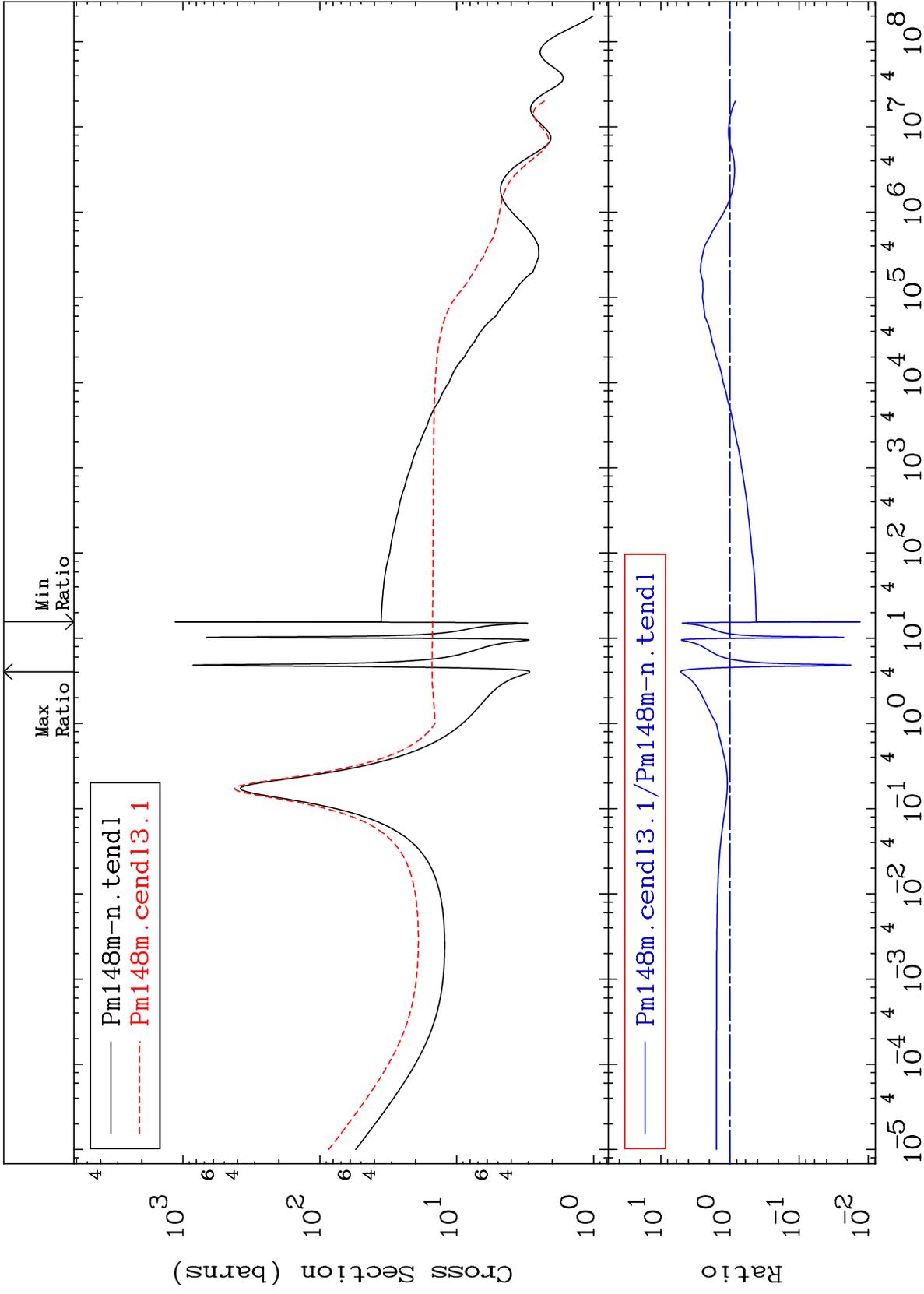
61-Pm-148
-95.69 To 6186. %



61-Pm-148

MAT 6153

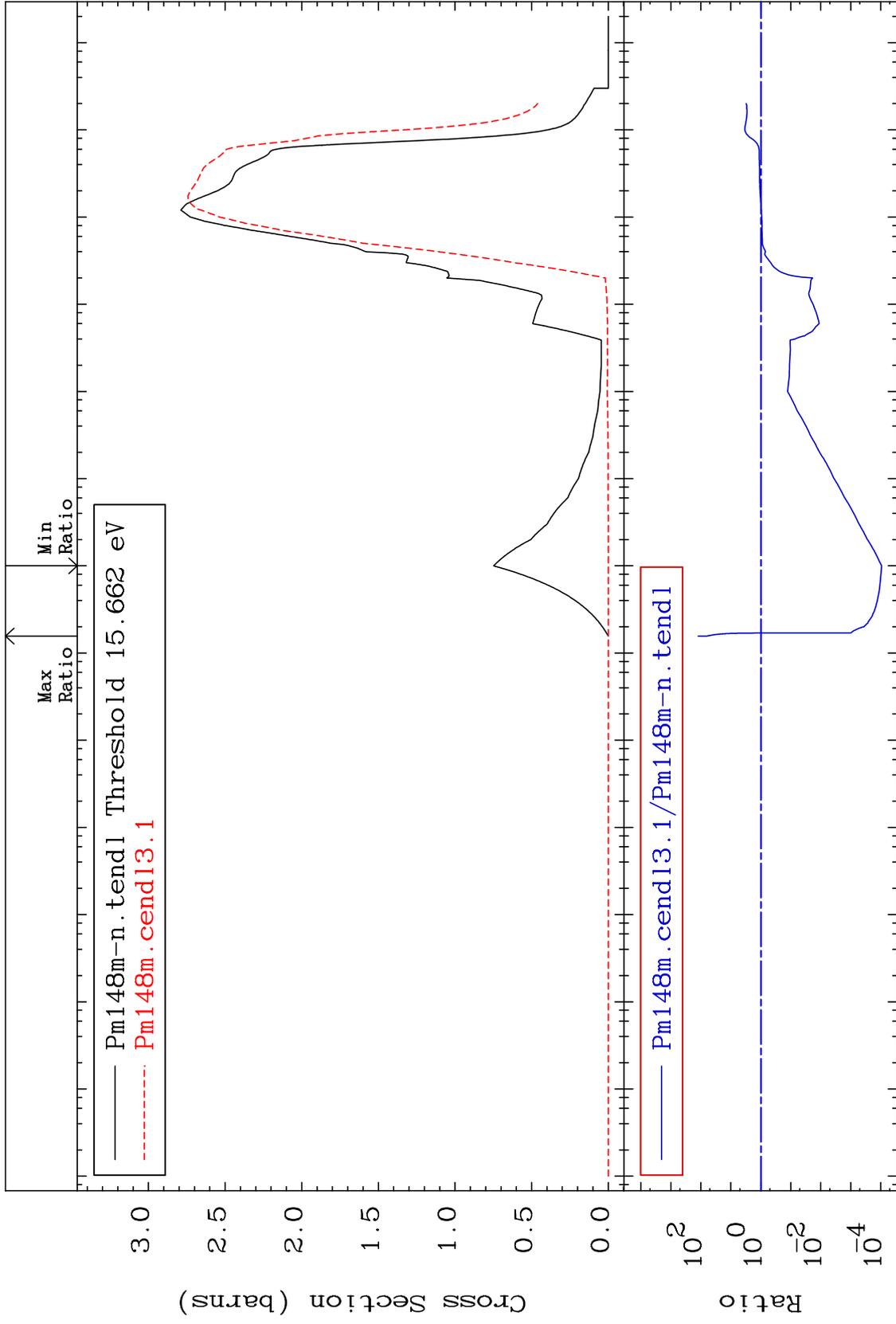
Elastic Cross Section
61-Pm-148
-98.69 To 417.1 %



61-Pm-148

Incident Energy (eV)

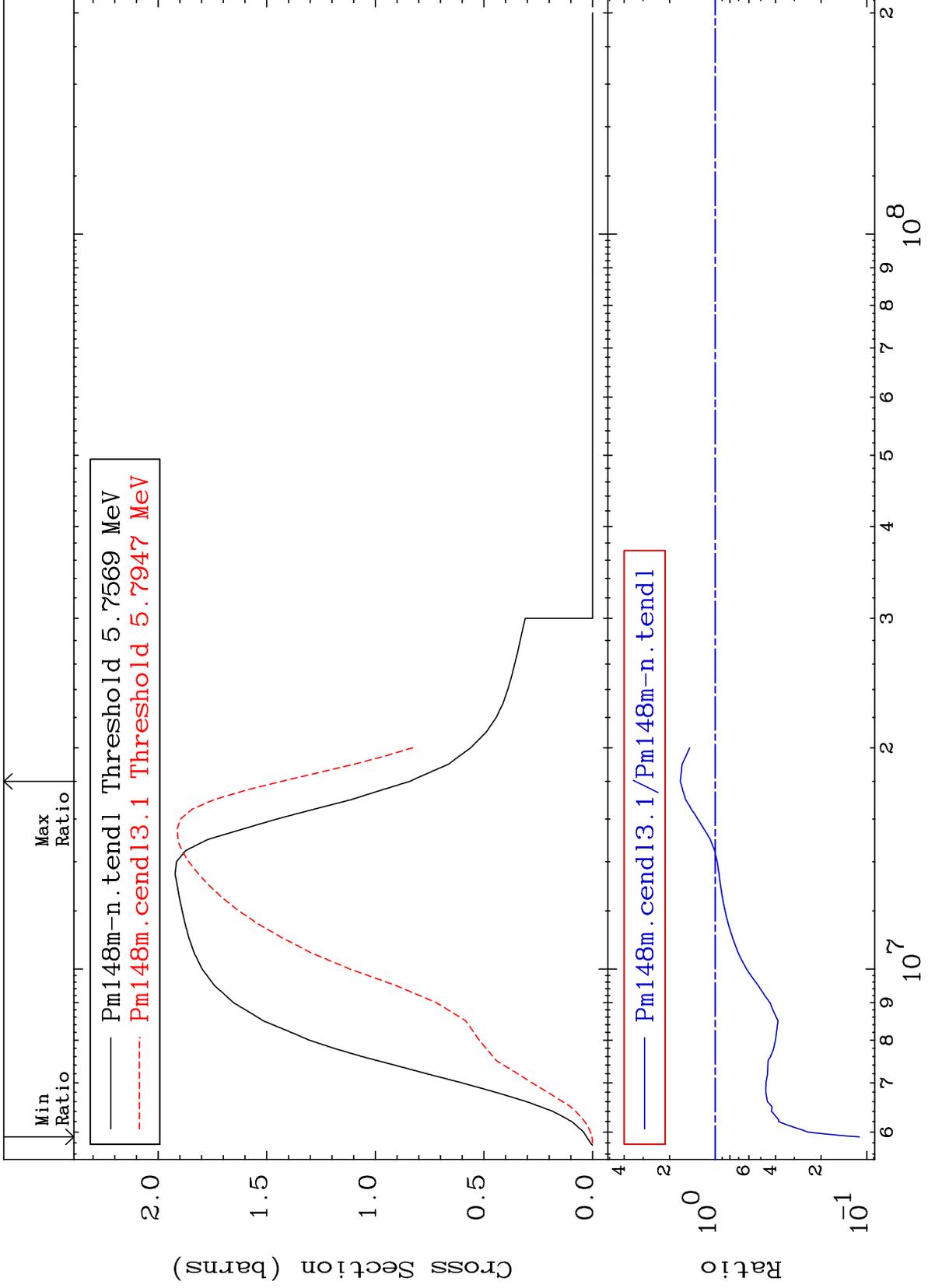
2



MAT 6153

(n,2n)
Cross Section

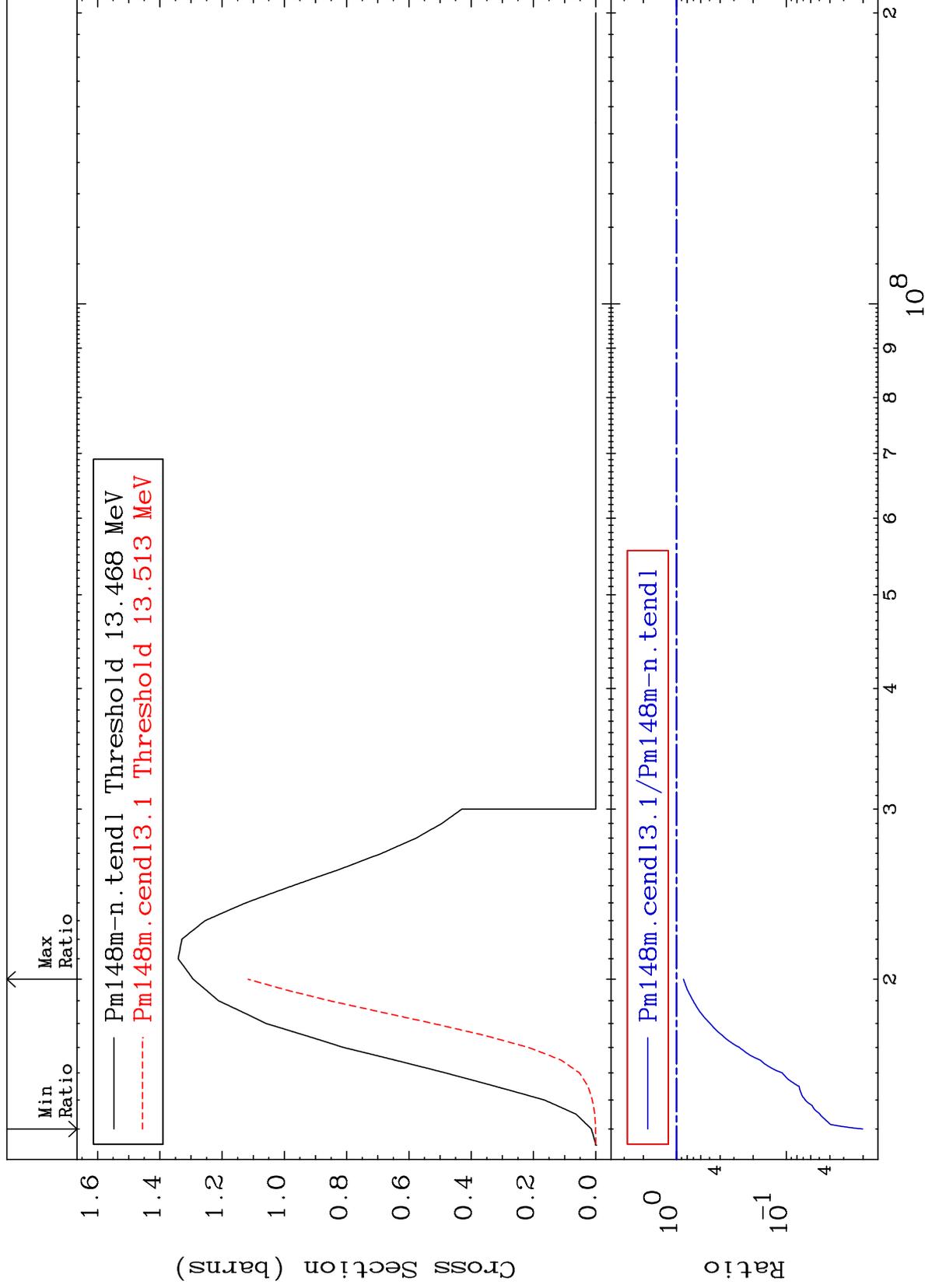
61-Pm-148
-88.84 To 70.21 %



MAT 6153

(n,3n)
Cross Section

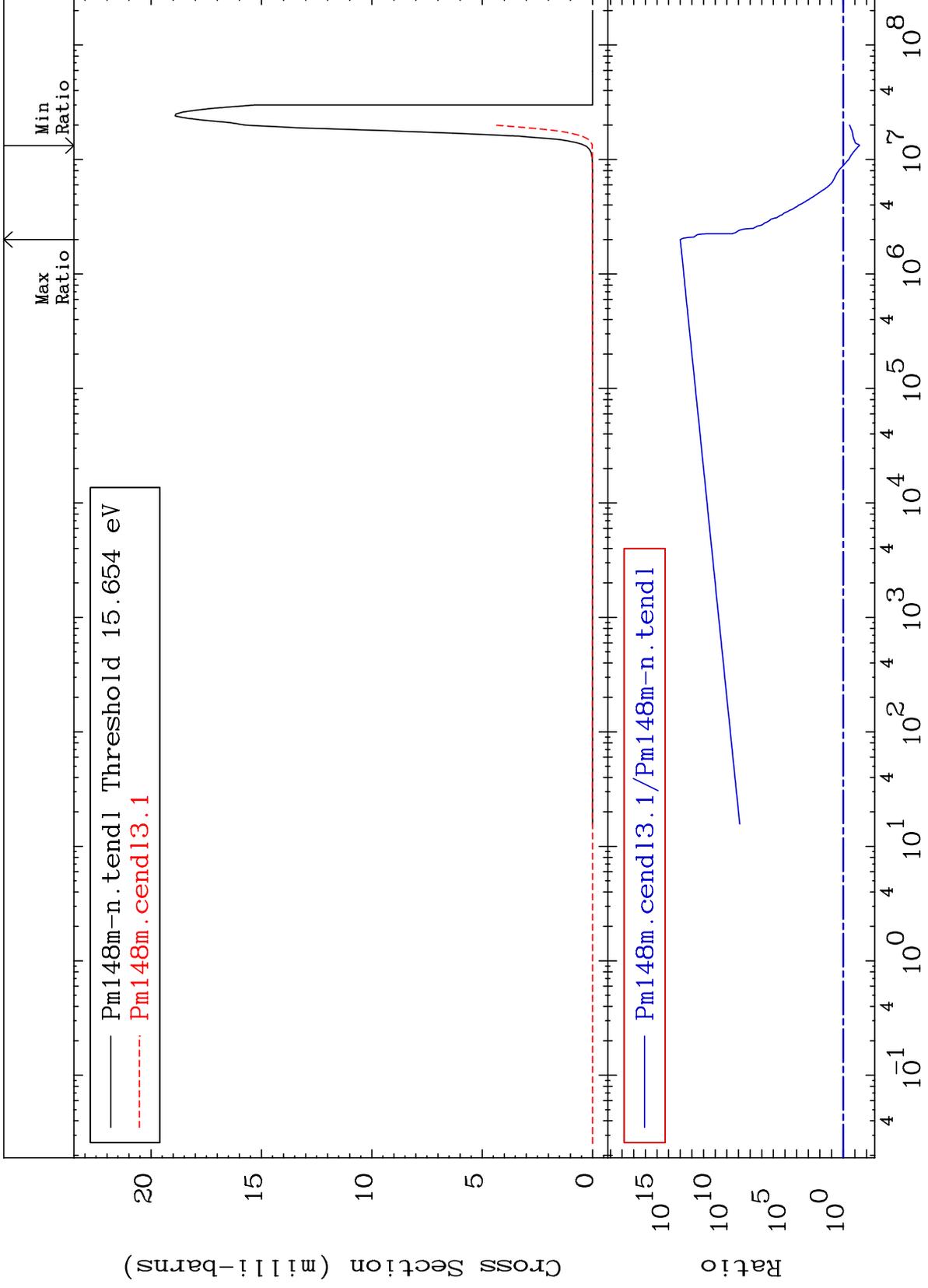
61-Pm-148
-97.99 To -13.64%



MAT 6153

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

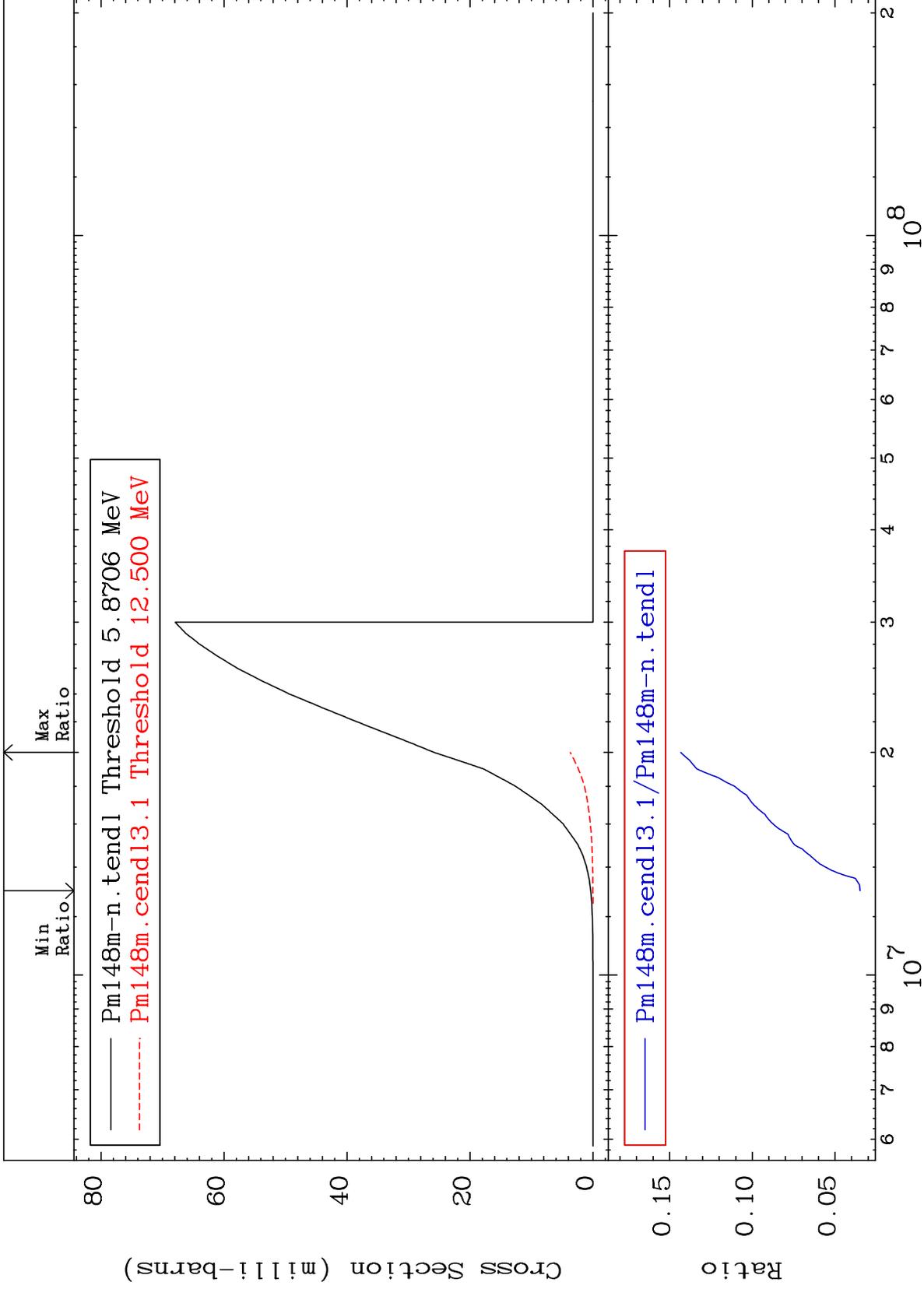
61-Pm-148
-96.01 To 9999. %



MAT 6153

(n,n') p
Cross Section

61-Pm-148
-96.51 To -85.67%



7

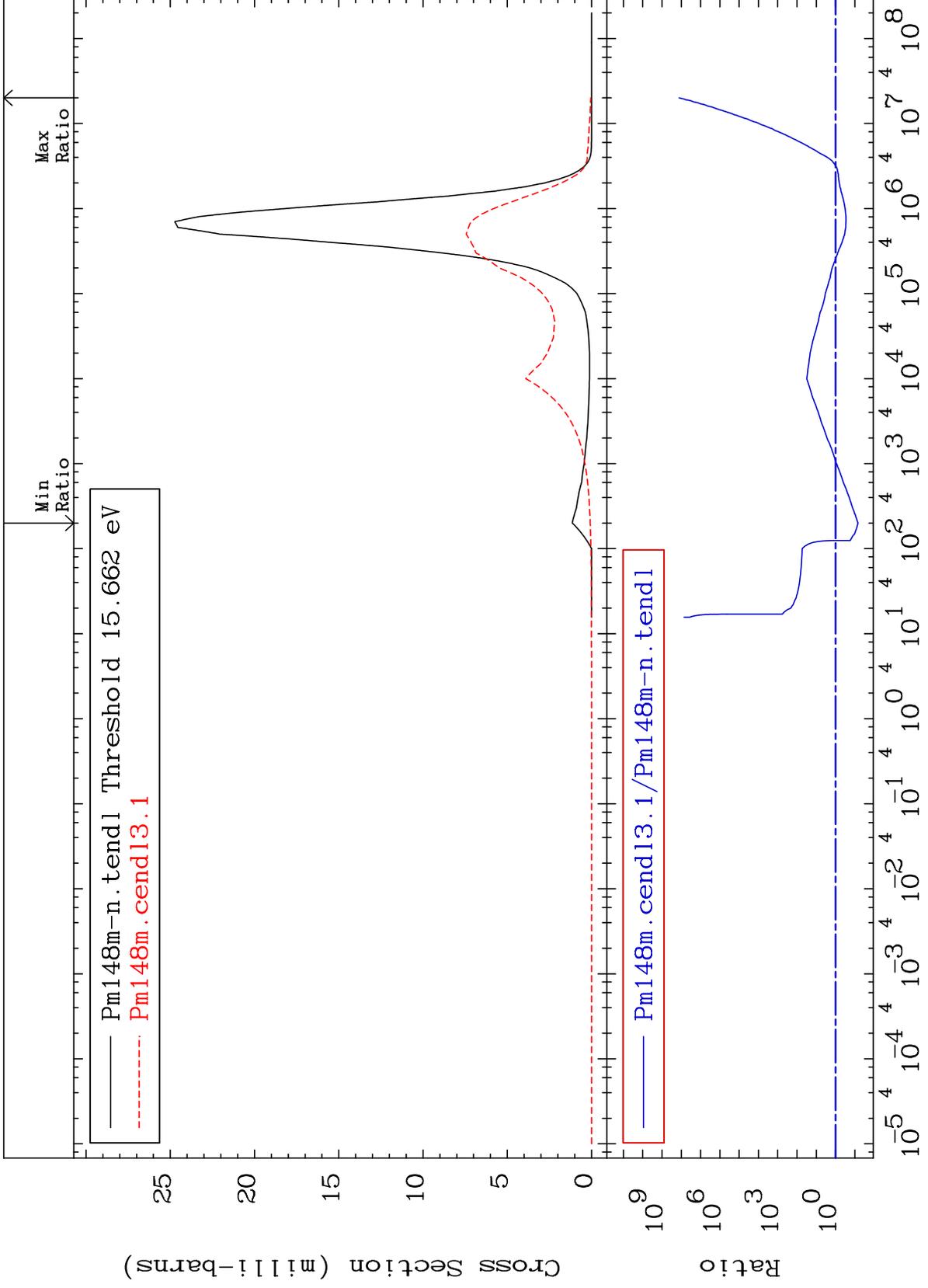
Incident Energy (eV)

61-Pm-148

MAT 6153

0.000 keV (n,n') Level
Cross Section

61-Pm-148
-93.17 To 9999. %



8

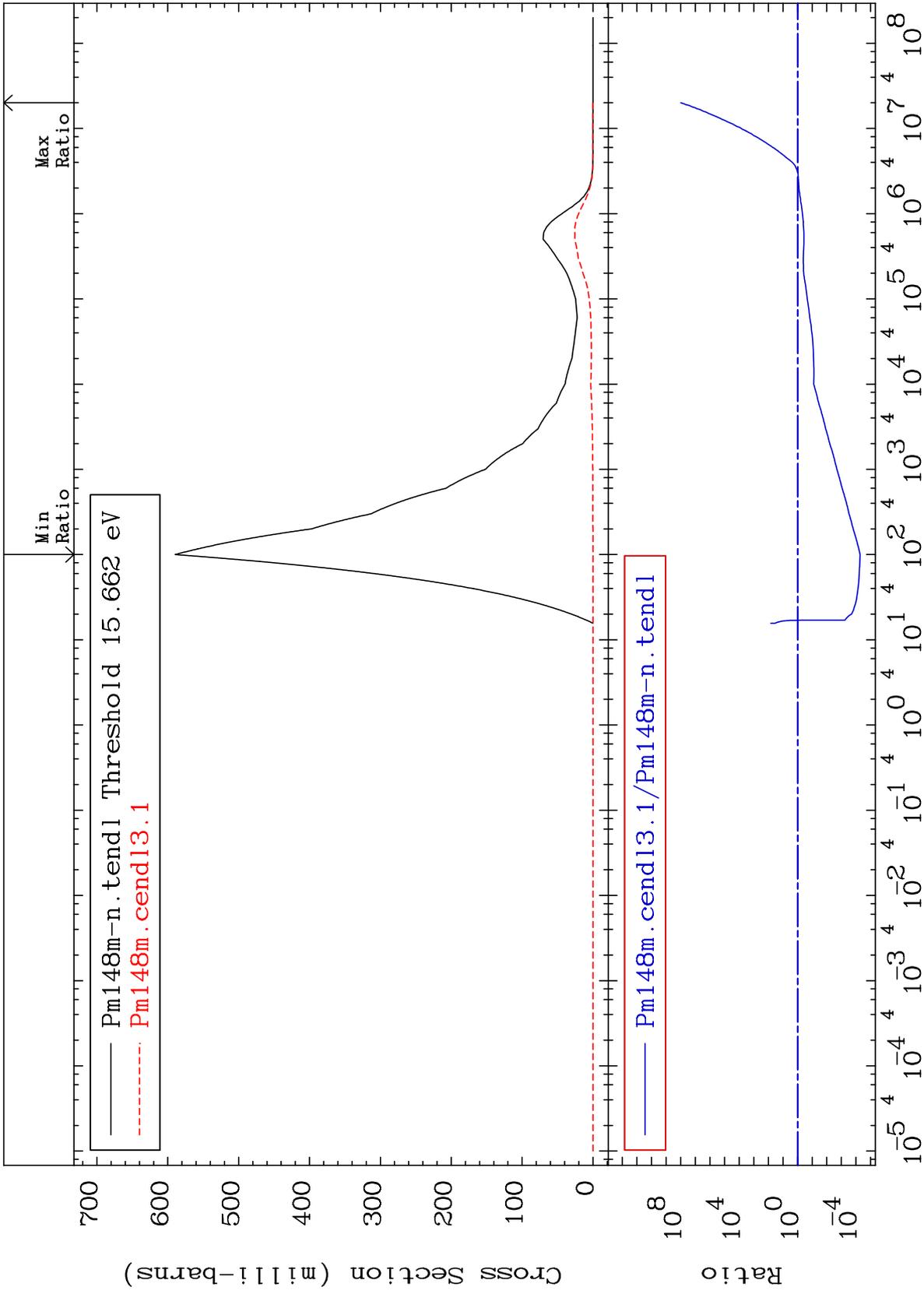
Incident Energy (eV)

61-Pm-148

MAT 6153

75.70 keV (n,n') Level
Cross Section

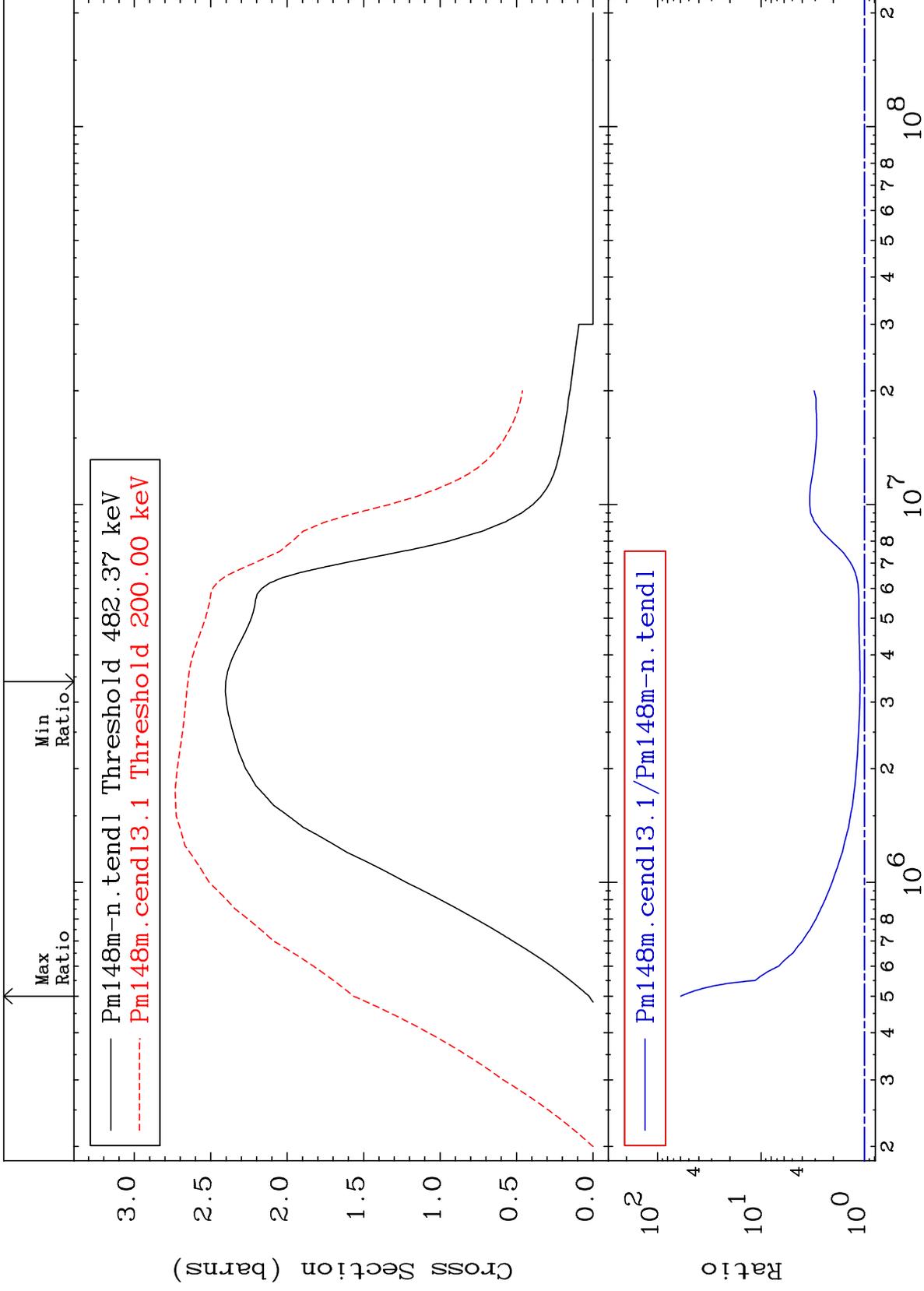
61-Pm-148
-99.99 To 9999. %



MAT 6153

(n, n') Continuum
Cross Section

61-Pm-148
10.30 To 5875. %



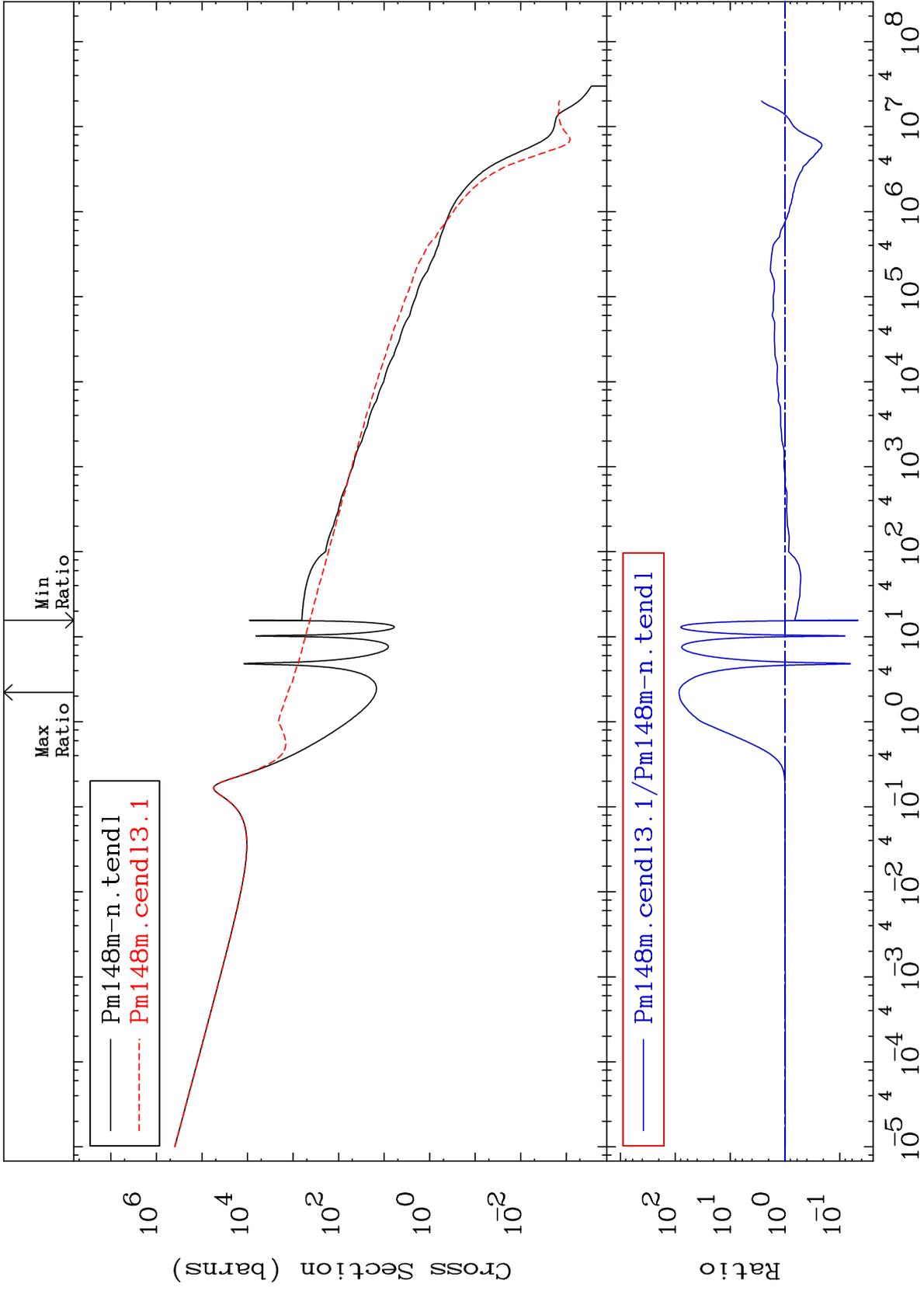
10

Incident Energy (eV)

61-Pm-148

MAT 6153

(n, γ)
Cross Section
61-Pm-148
-95.31 To 8437. %



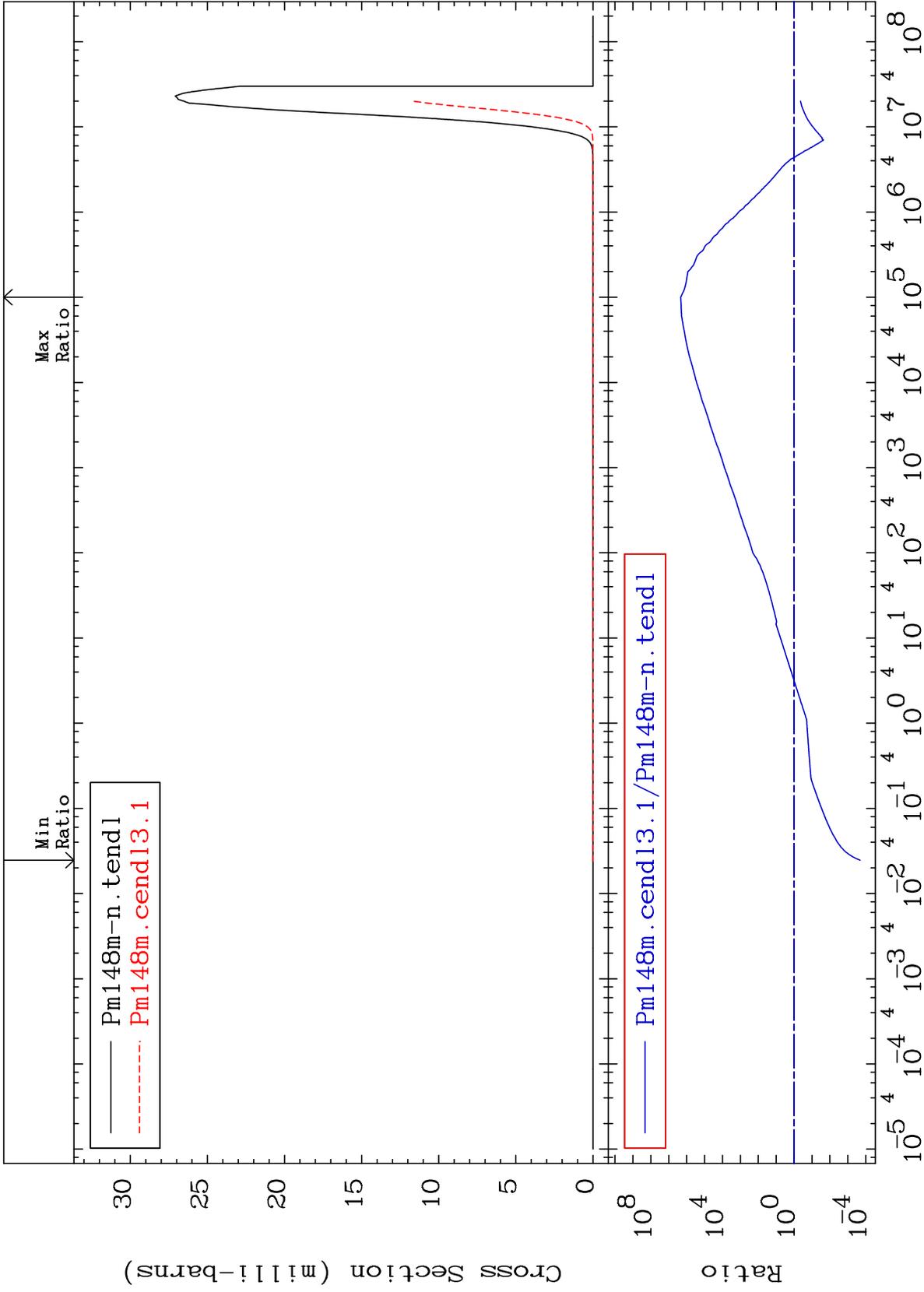
MAT 6153

(n, p)

61-Pm-148

Cross Section

-99.98 To 9999. %



61-Pm-148

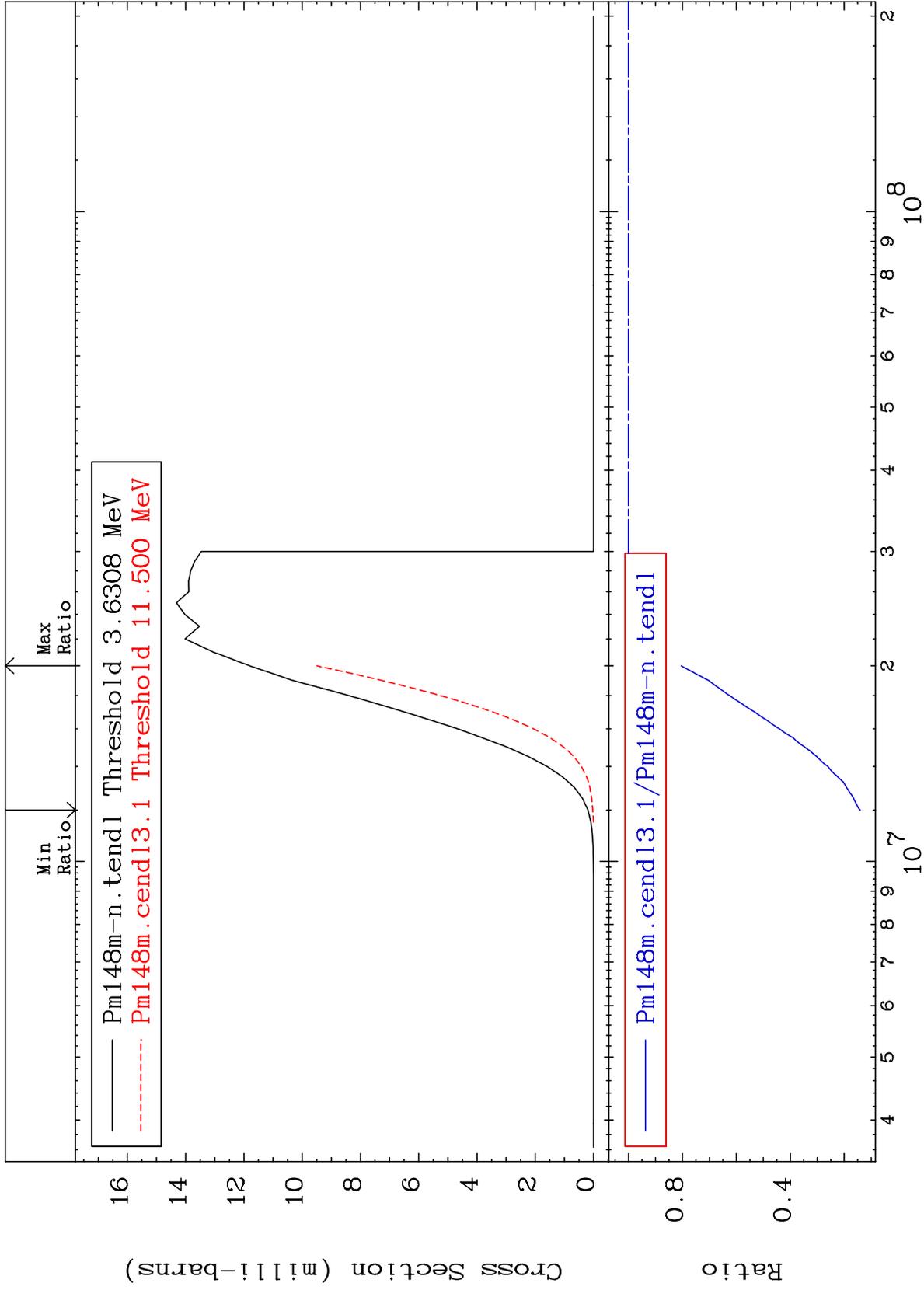
MAT 6153

(n, d)

61-Pm-148

Cross Section

-85.92 To -19.52%

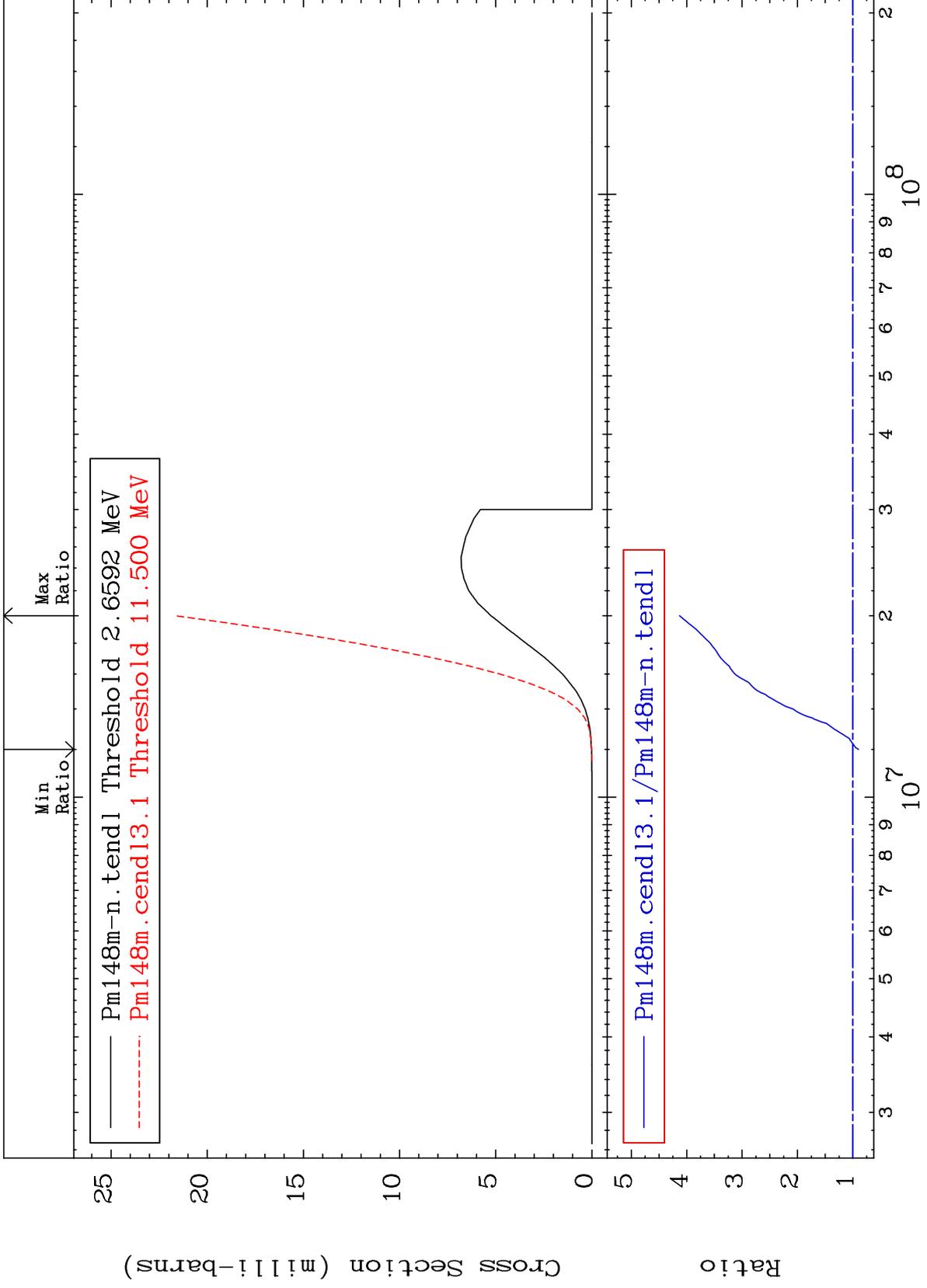


13

61-Pm-148

MAT 6153

(n, t) Cross Section
61-Pm-148
-10.19 To 312.9 %



14

Incident Energy (eV)

61-Pm-148

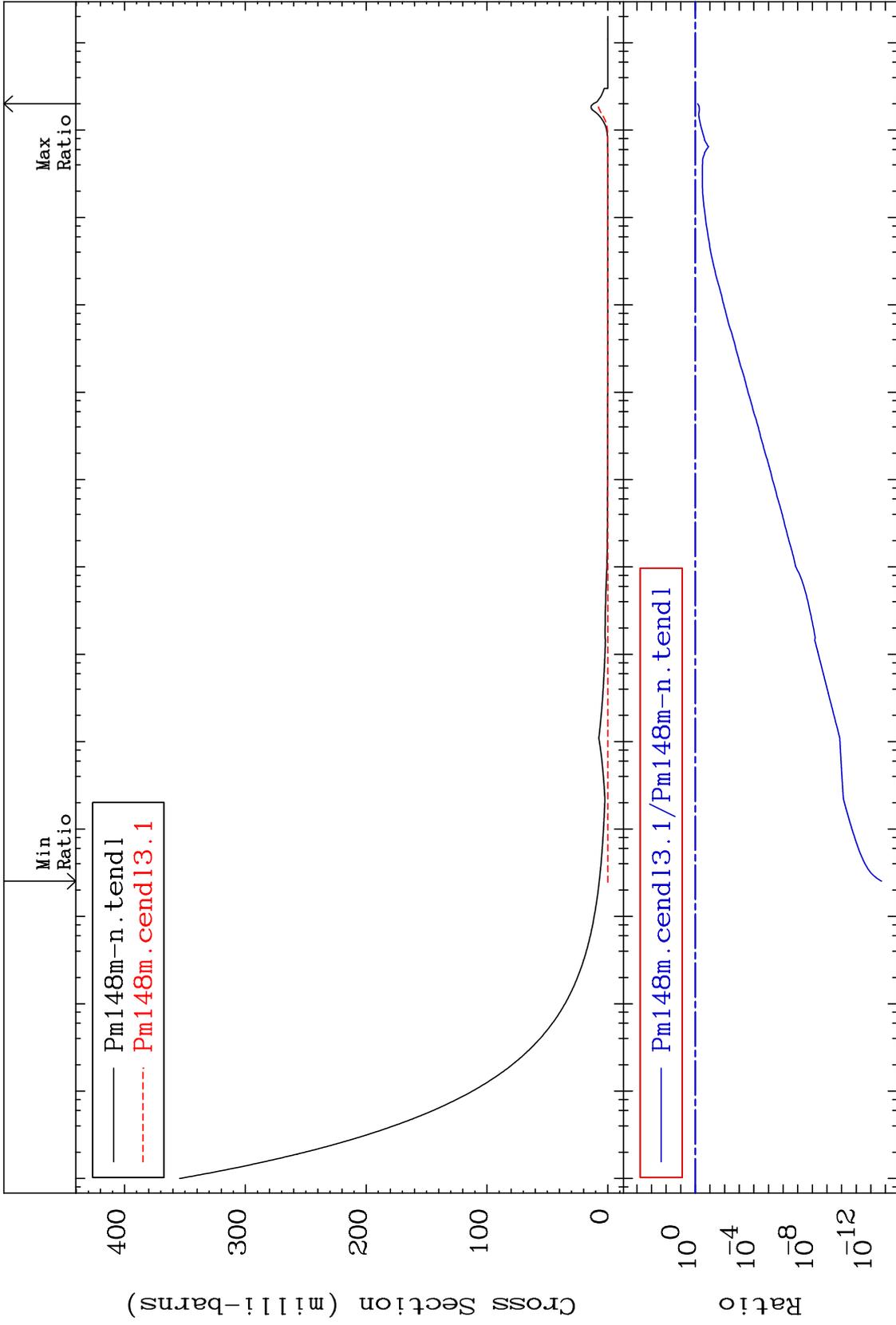
MAT 6153

(n, α)

61-Pm-148

Cross Section

-100.0 To -31.38%



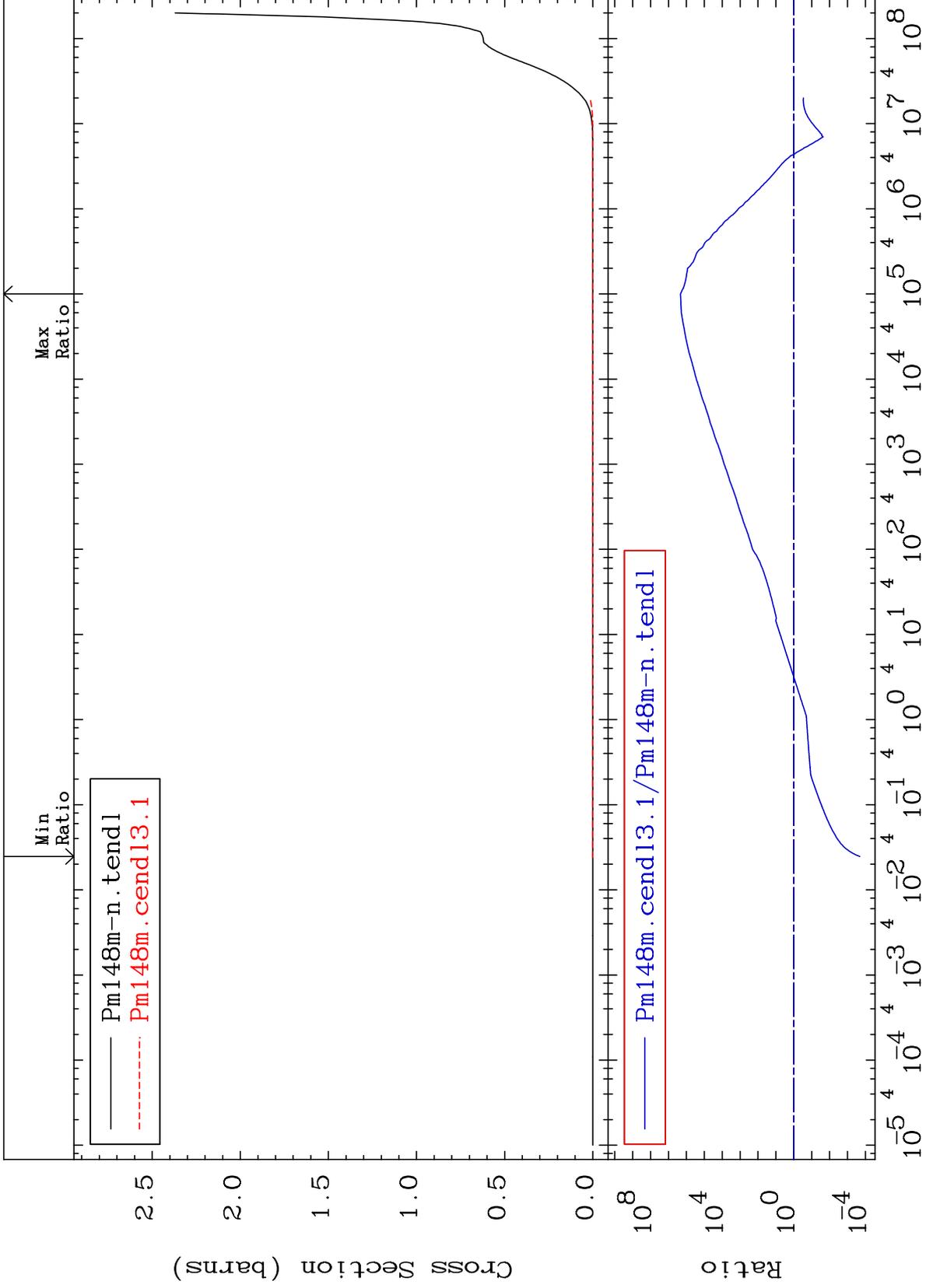
15

61-Pm-148

MAT 6153

Hydrogen Production
Cross Section

61-Pm-148
-99.98 To 9999. %



16

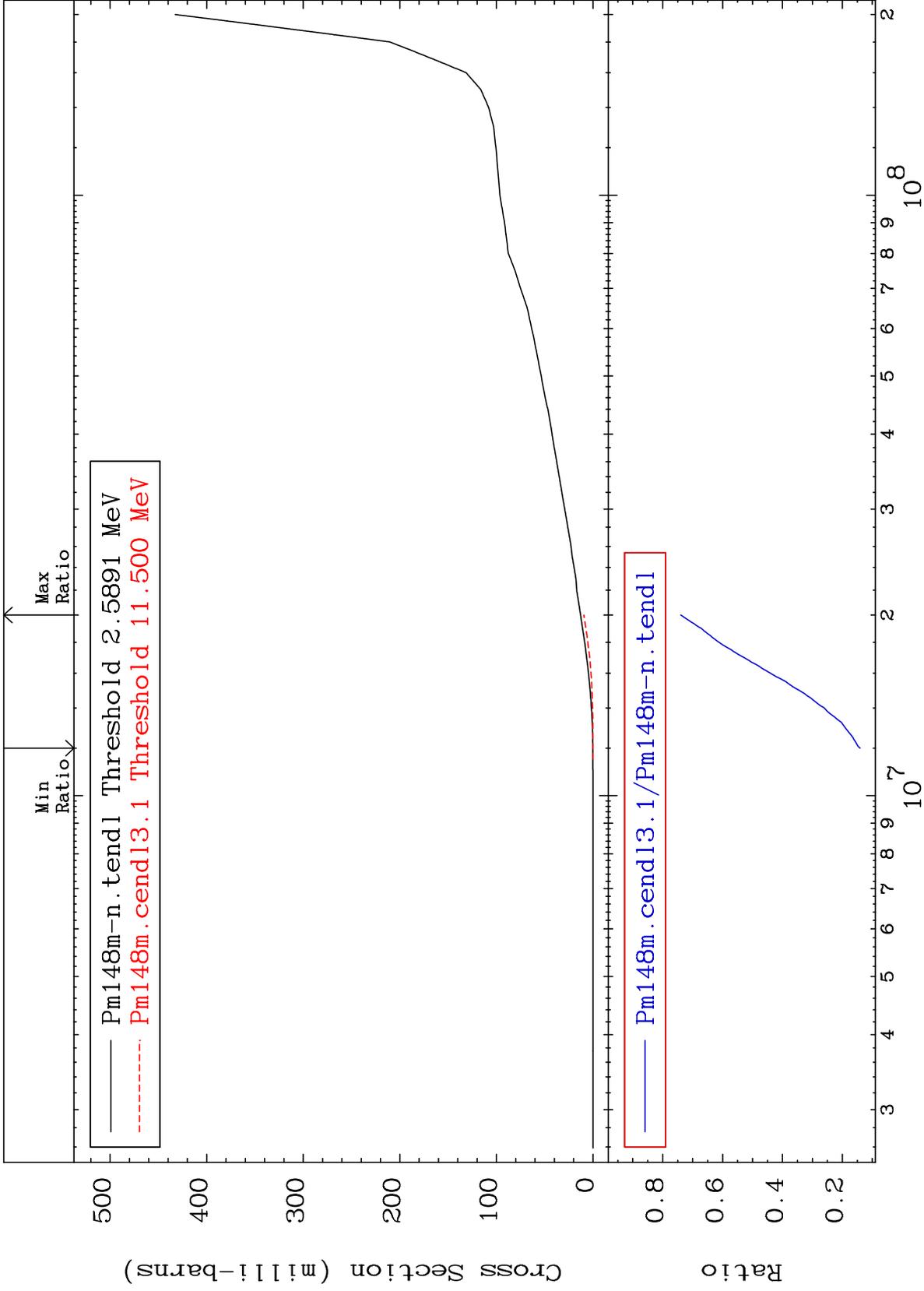
Incident Energy (eV)

61-Pm-148

MAT 6153

Deuterium Production
Cross Section

61-Pm-148
-85.92 To -26.03%



17

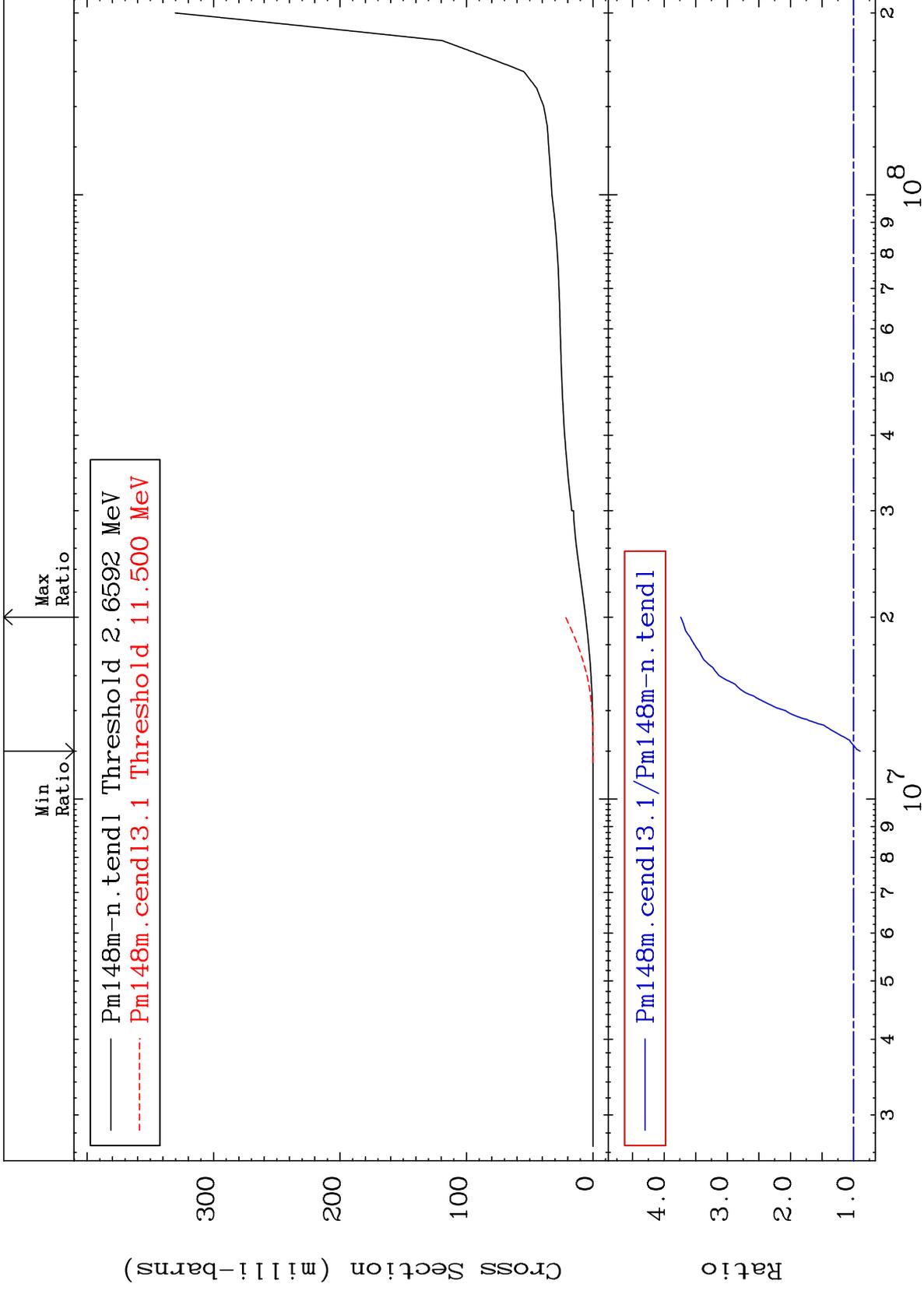
Incident Energy (eV)

61-Pm-148

MAT 6153

Tritium Production
Cross Section

61-Pm-148
-10.19 To 273.7 %



18

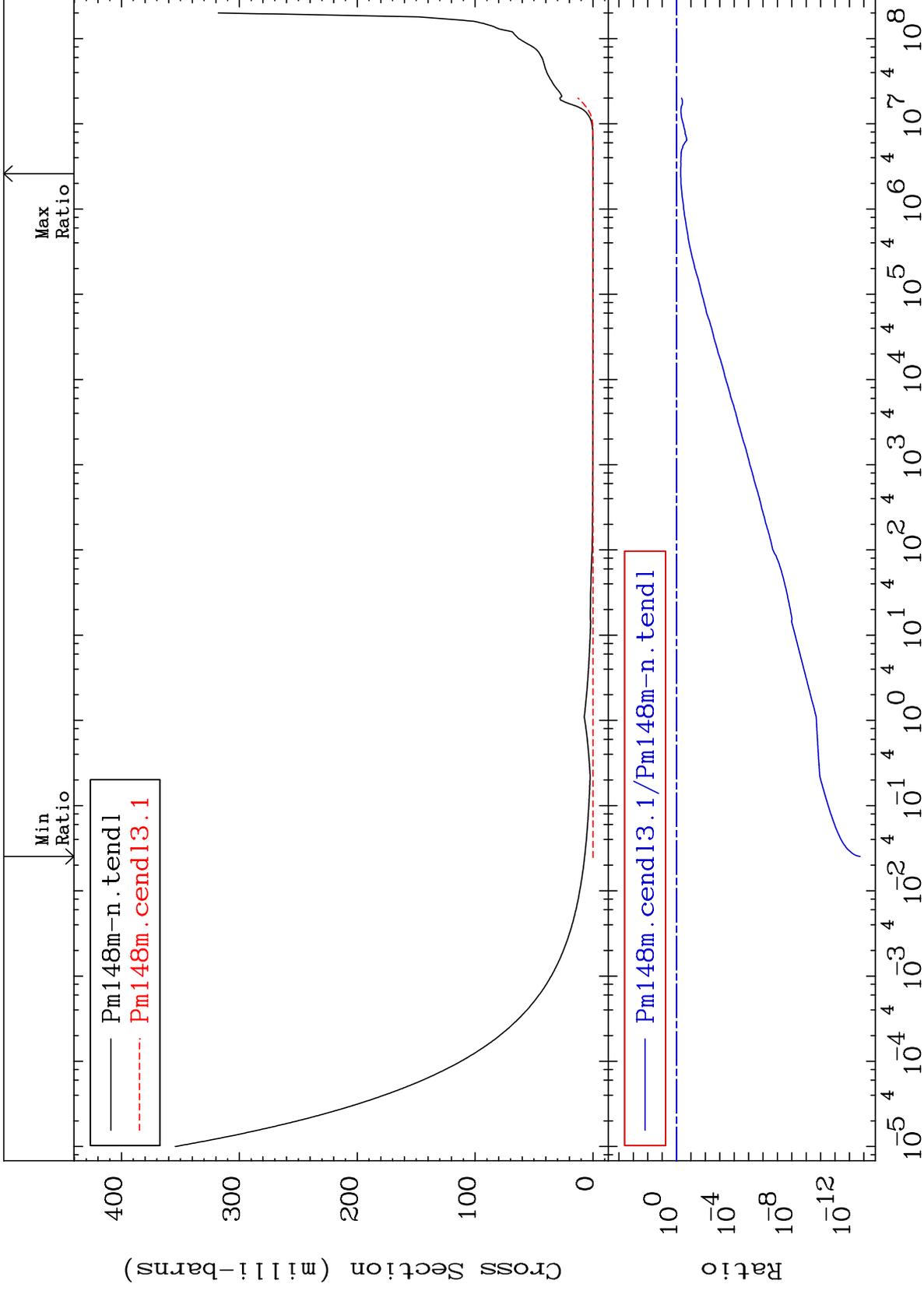
Incident Energy (eV)

61-Pm-148

MAT 6153

He-4 Production
Cross Section

61-Pm-148
-100.0 To -48.41%



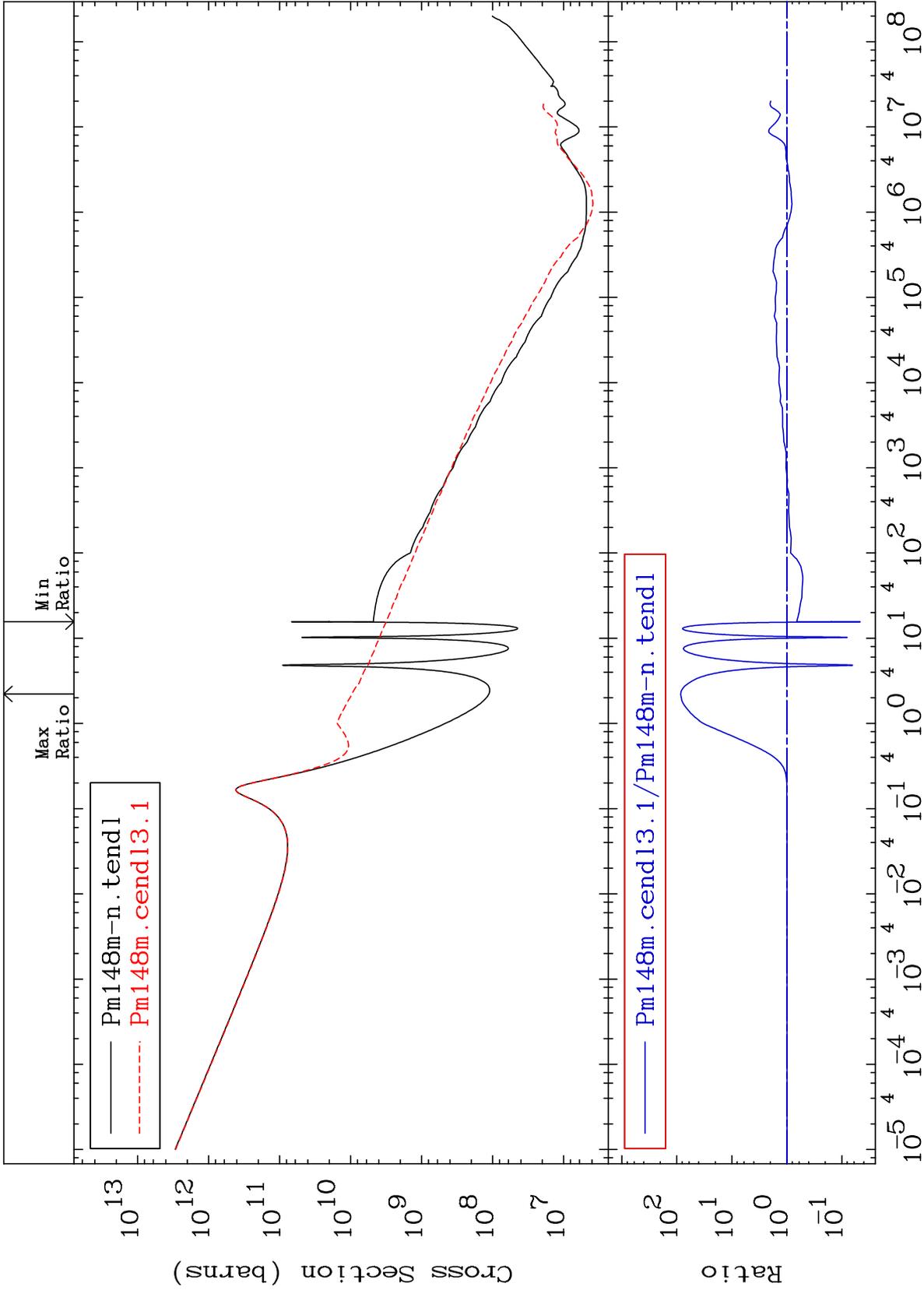
MAT 6153

Kerma total (eV-barns)

61-Pm-148

-95.34 To 8389. %

Cross Section



20

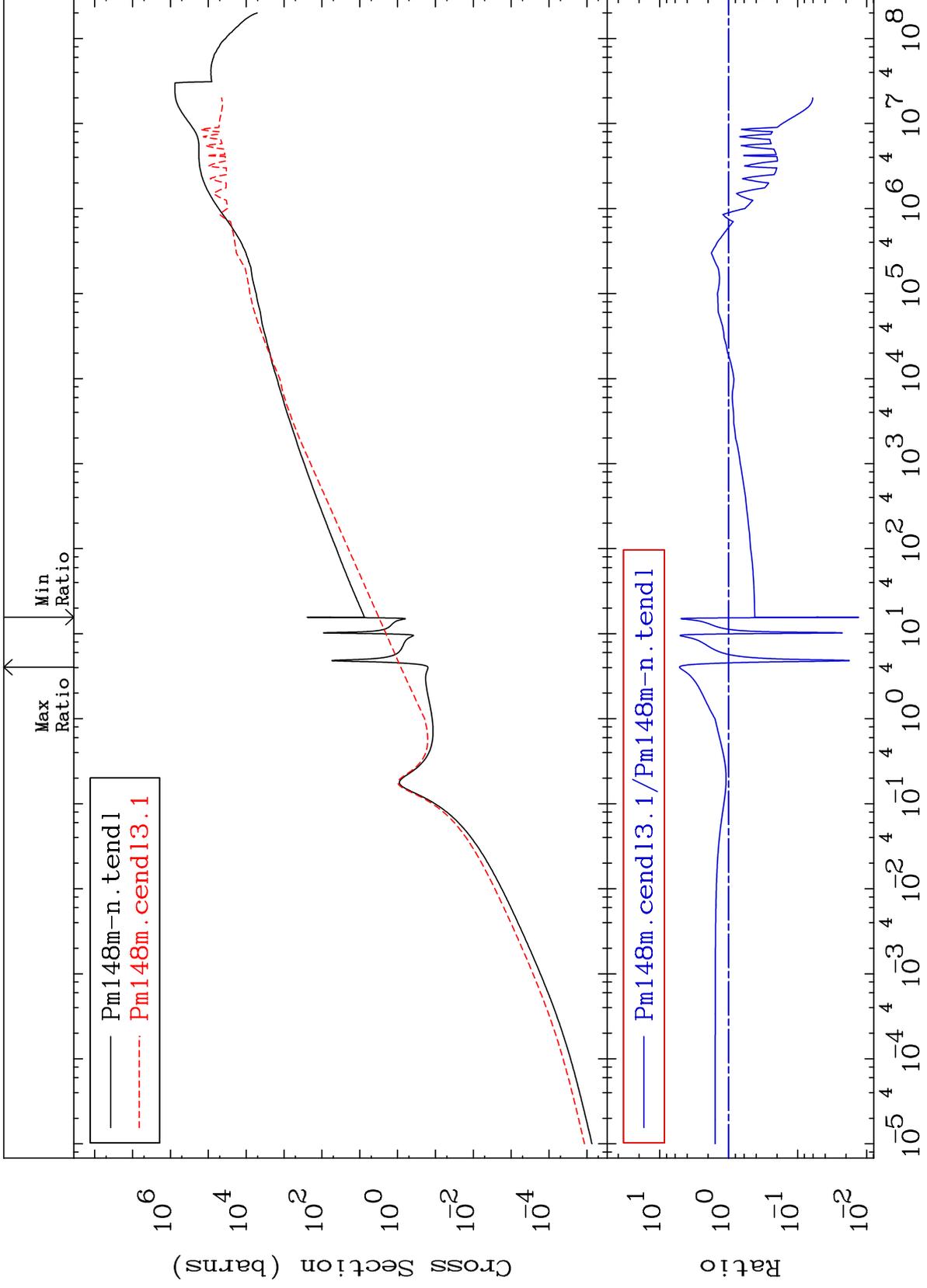
Incident Energy (eV)

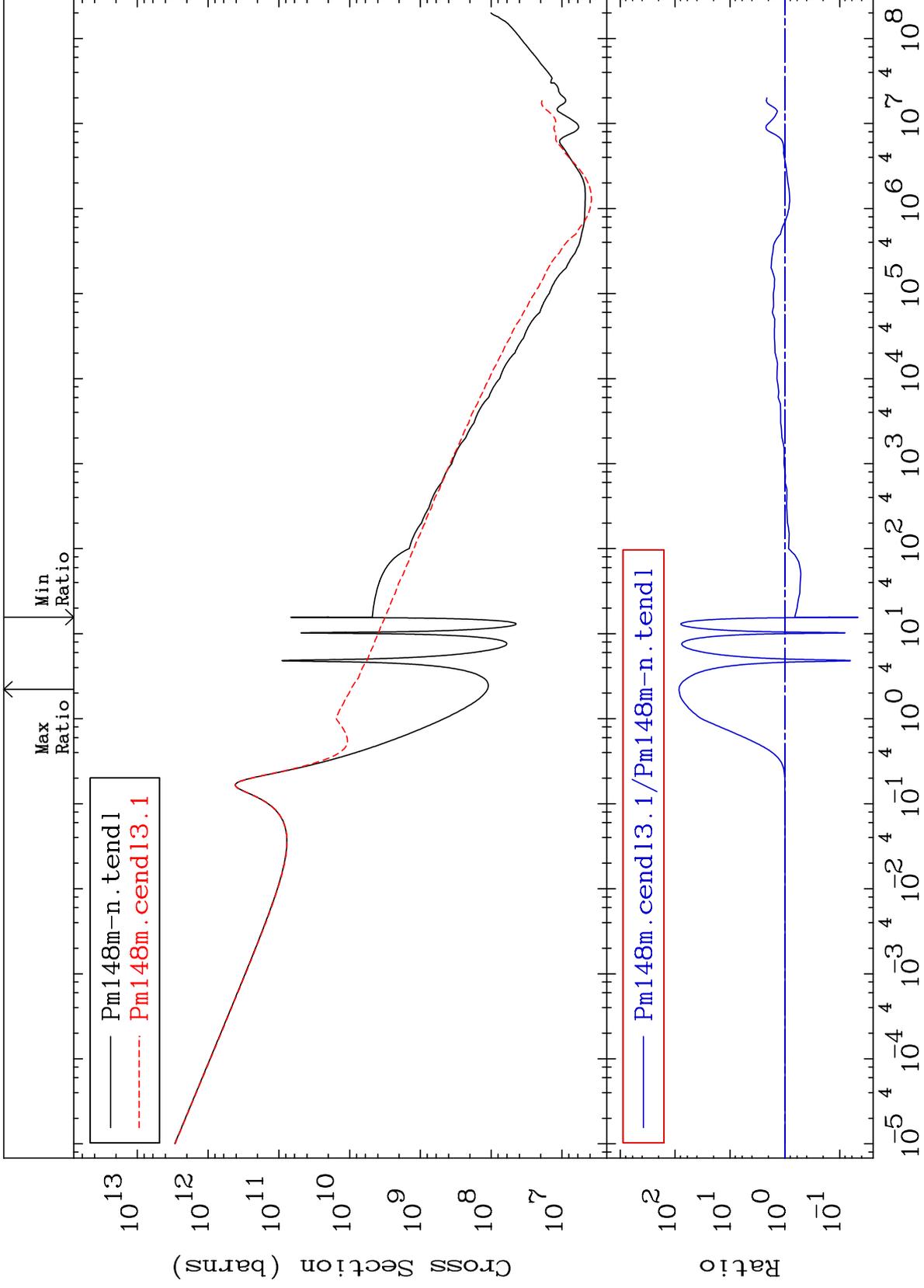
61-Pm-148

MAT 6153

Kerma elastic
Cross Section

61-Pm-148
-98.69 To 417.3 %

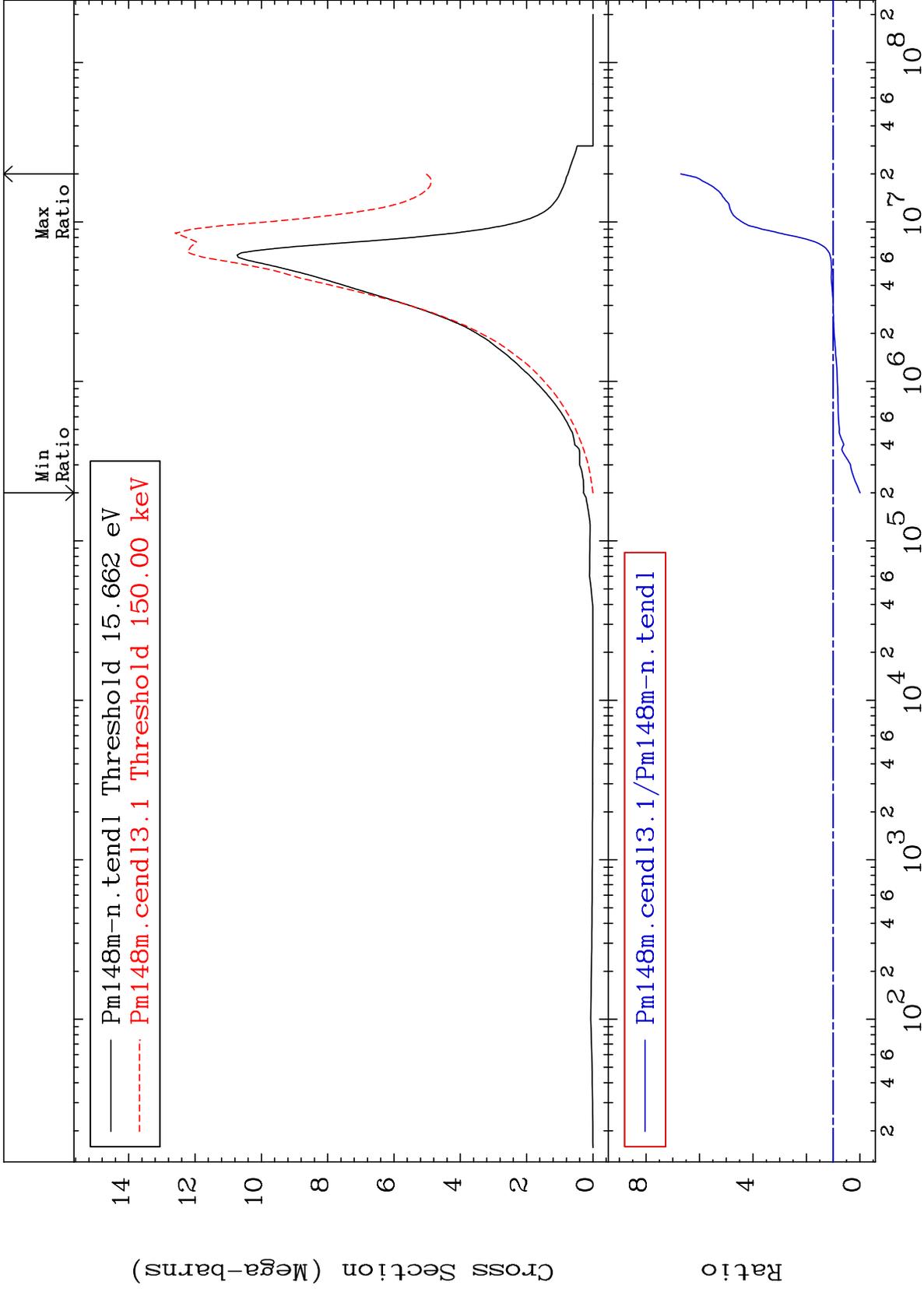




MAT 6153

Kerma inelastic (mt51-91)
Cross Section

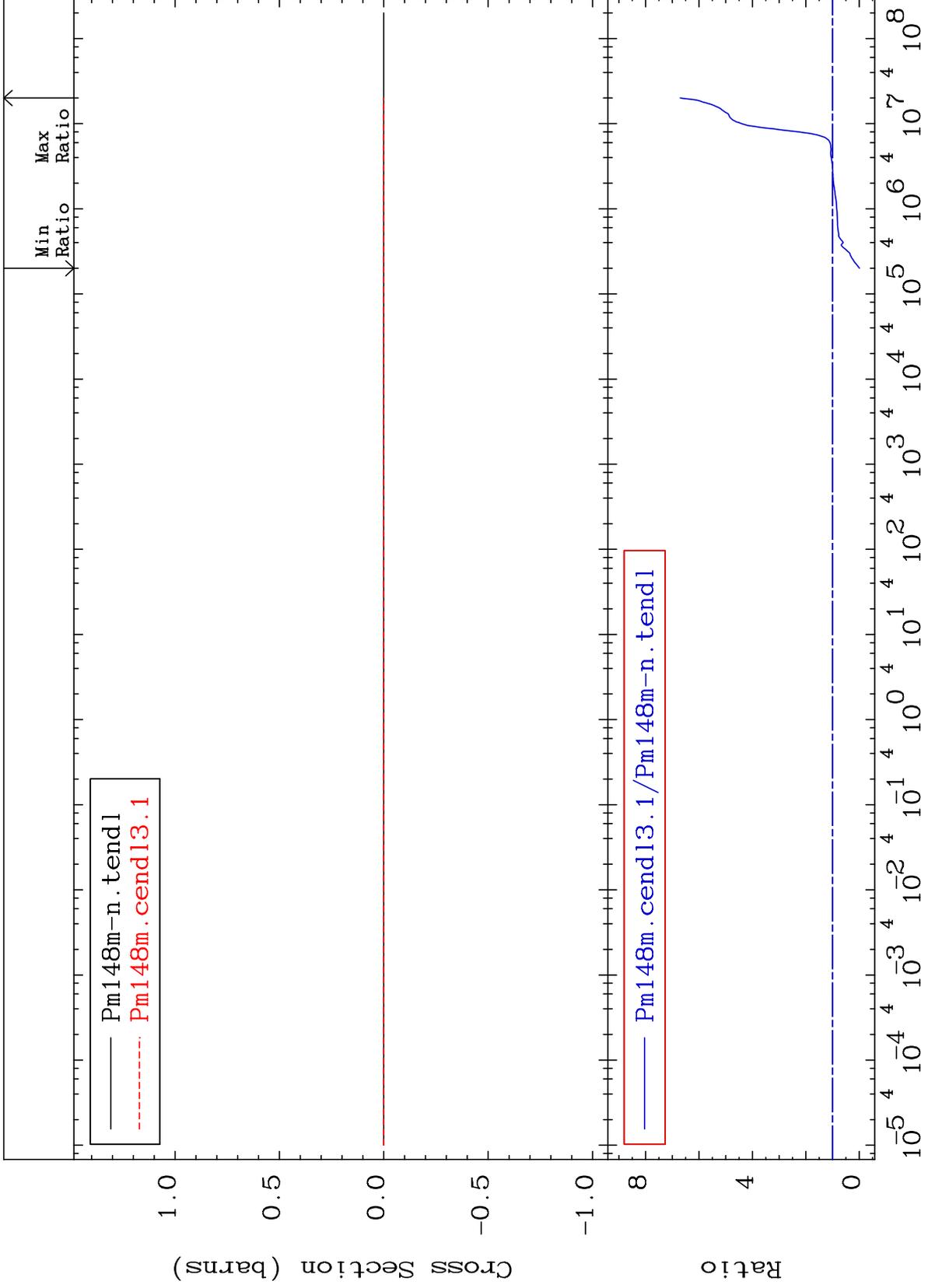
61-Pm-148
-100.6 To 570.0 %

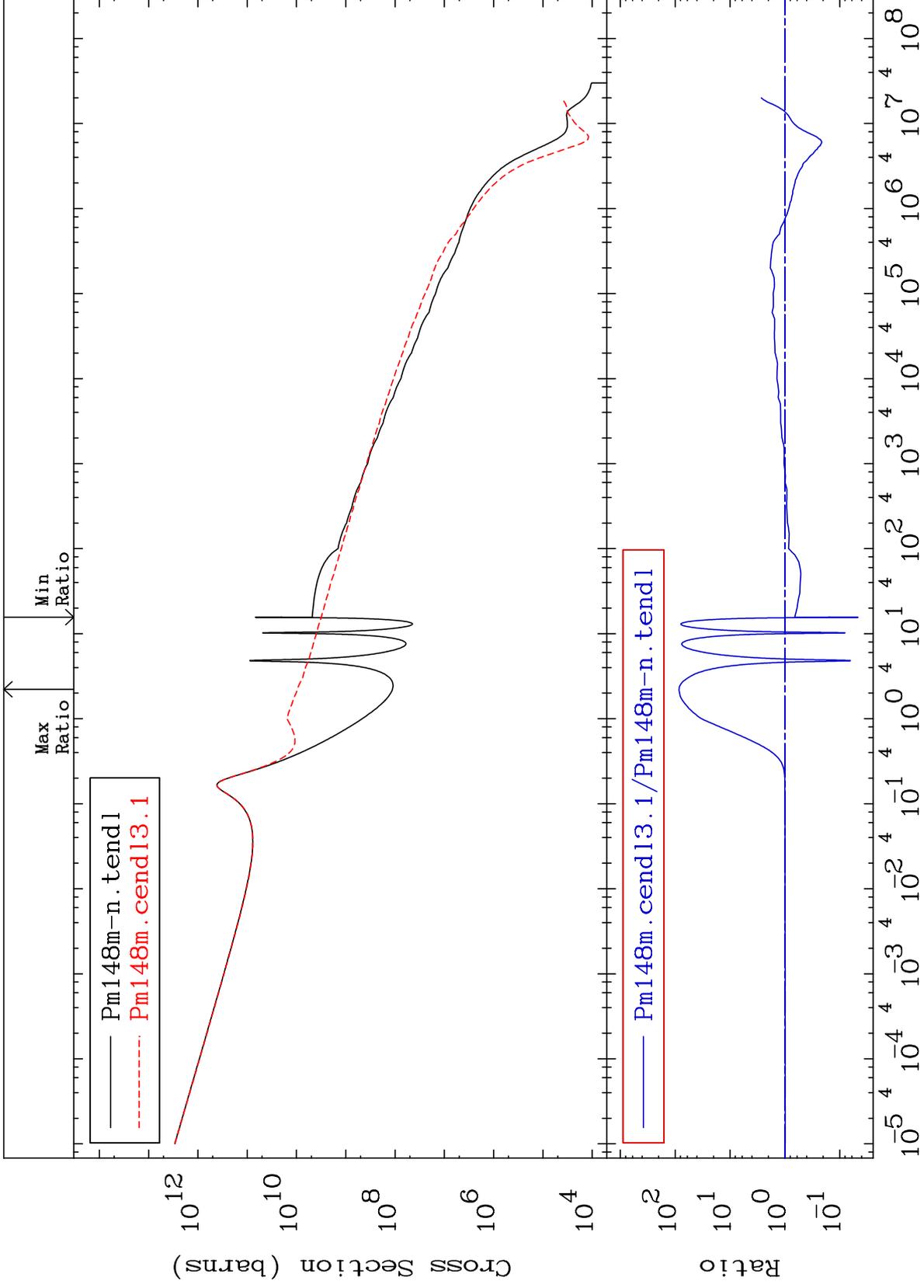


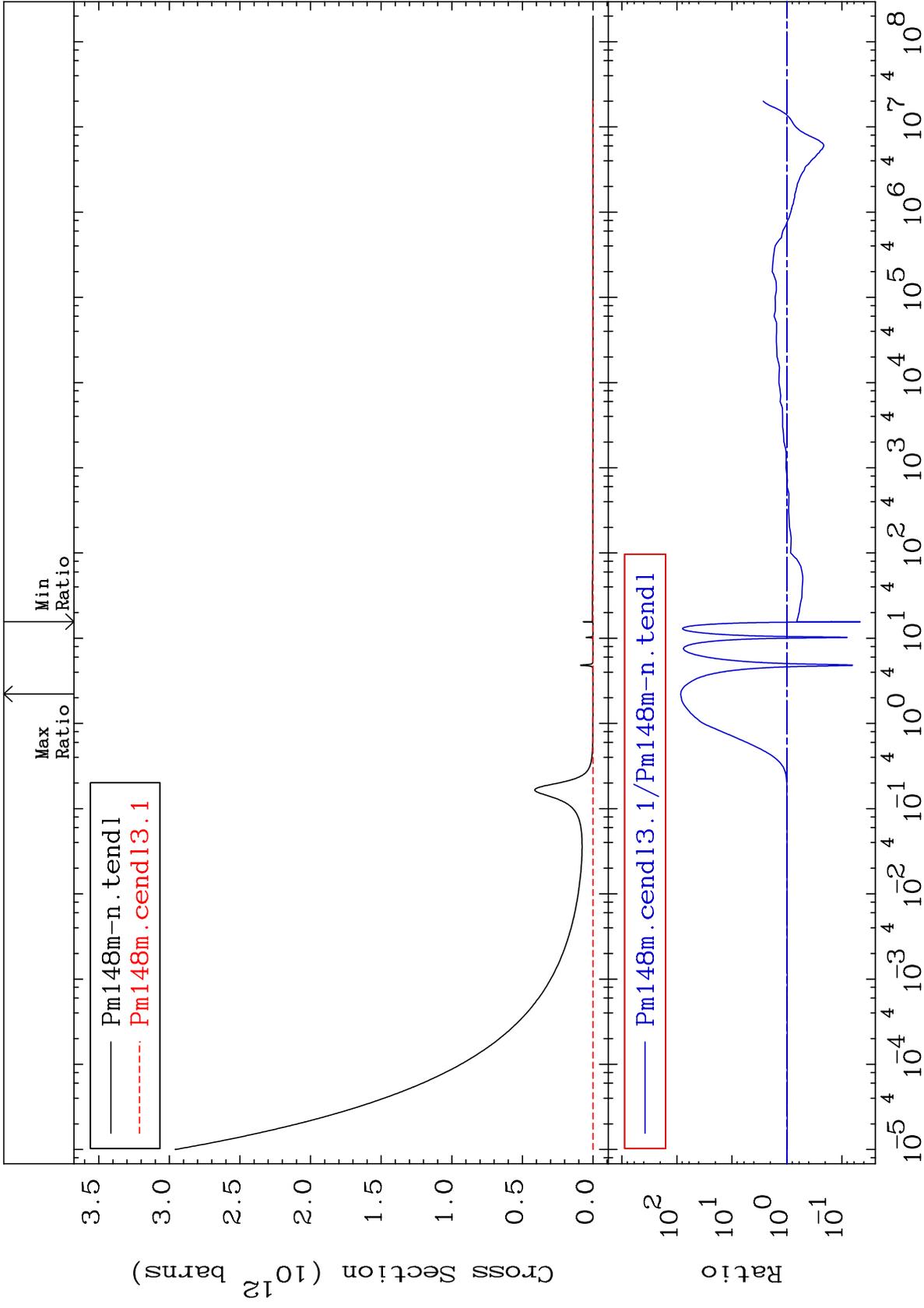
MAT 6153

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

61-Pm-148
-100.6 To 570.0 %



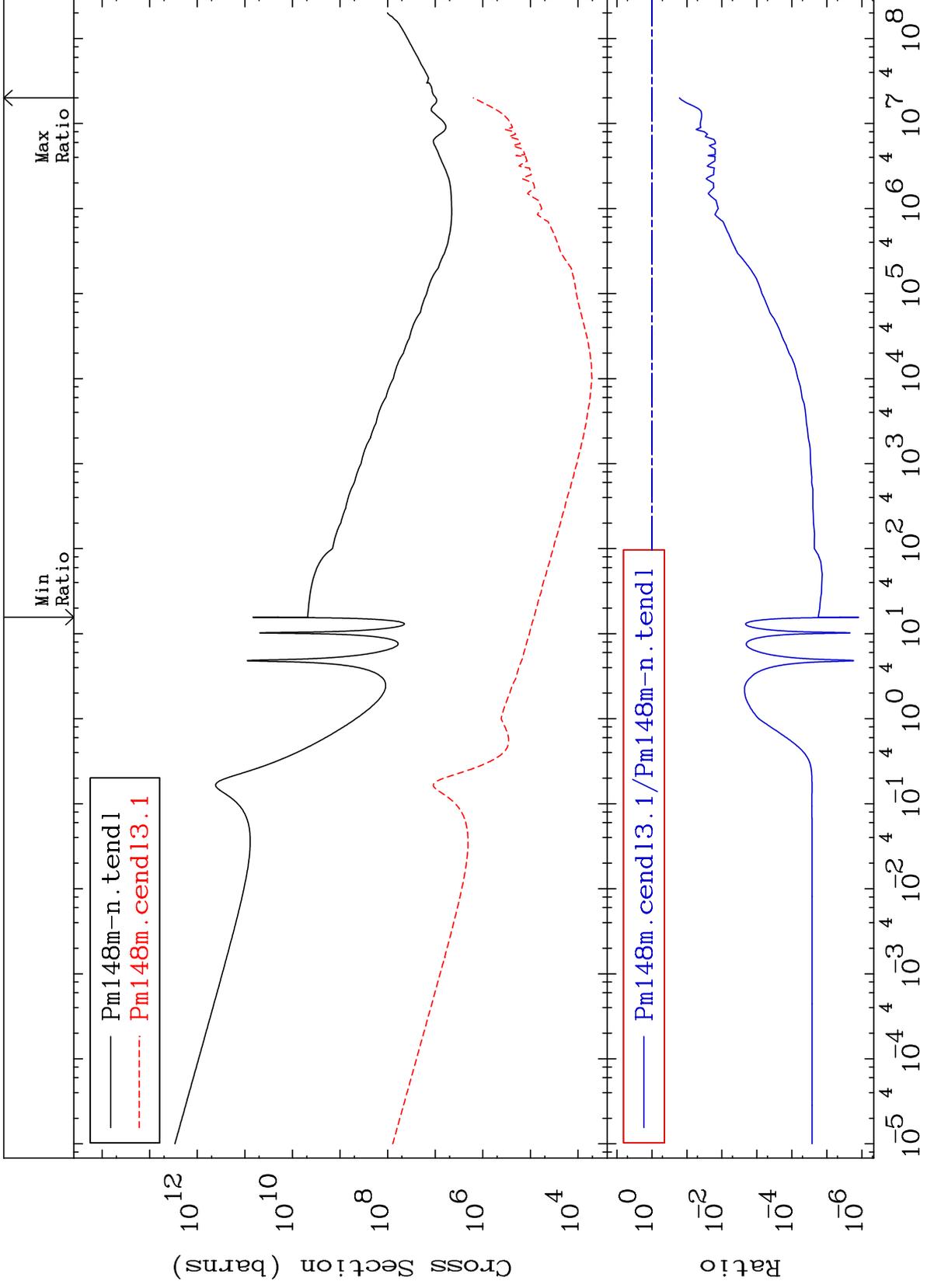




MAT 6153

Total kinematic kerma (high limit)
Cross Section

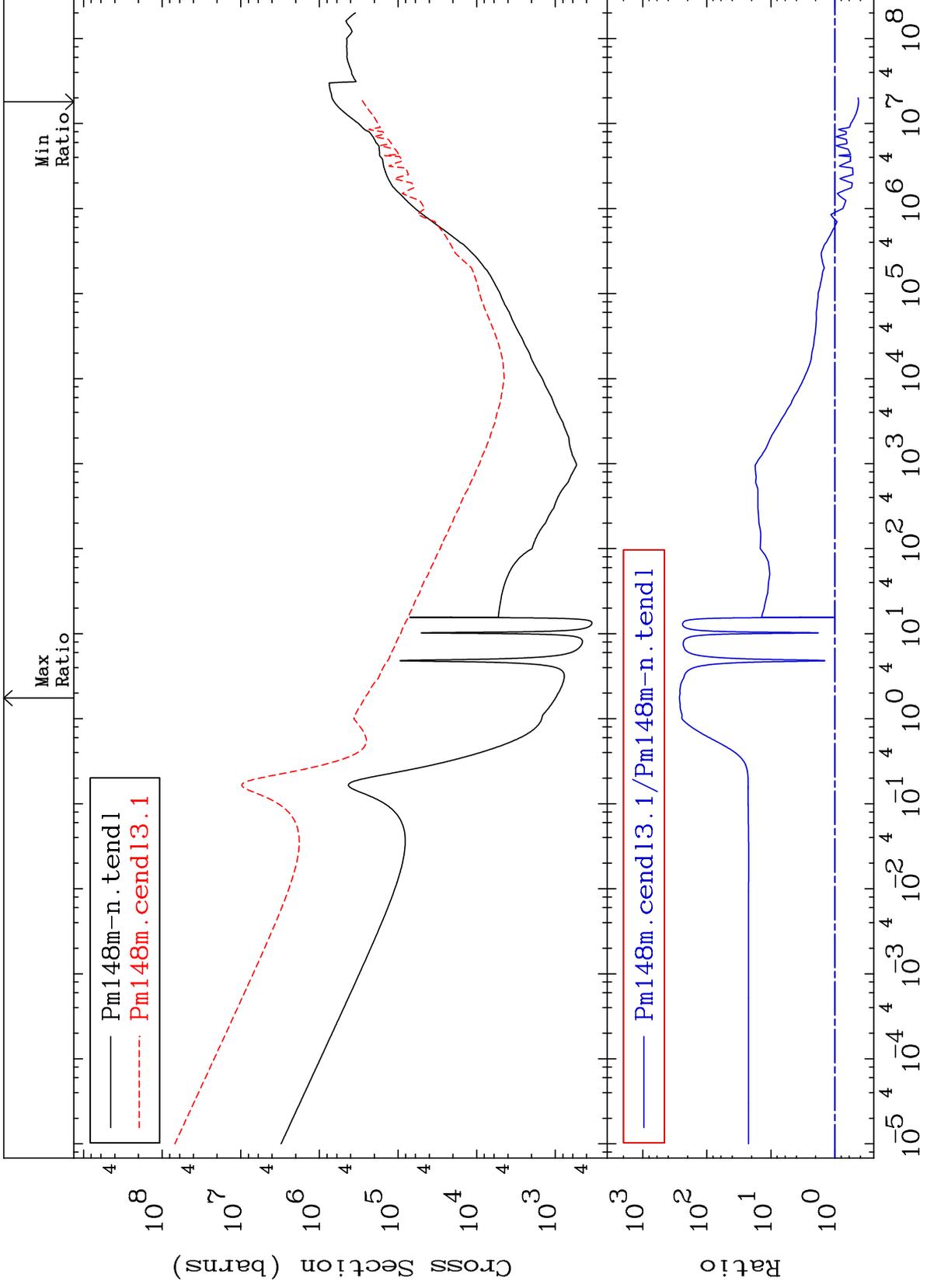
61-Pm-148
-100.0 To -83.78%



MAT 6153

Dpa total (eV-barns)
Cross Section

61-Pm-148
-57.10 To 9999. %



28

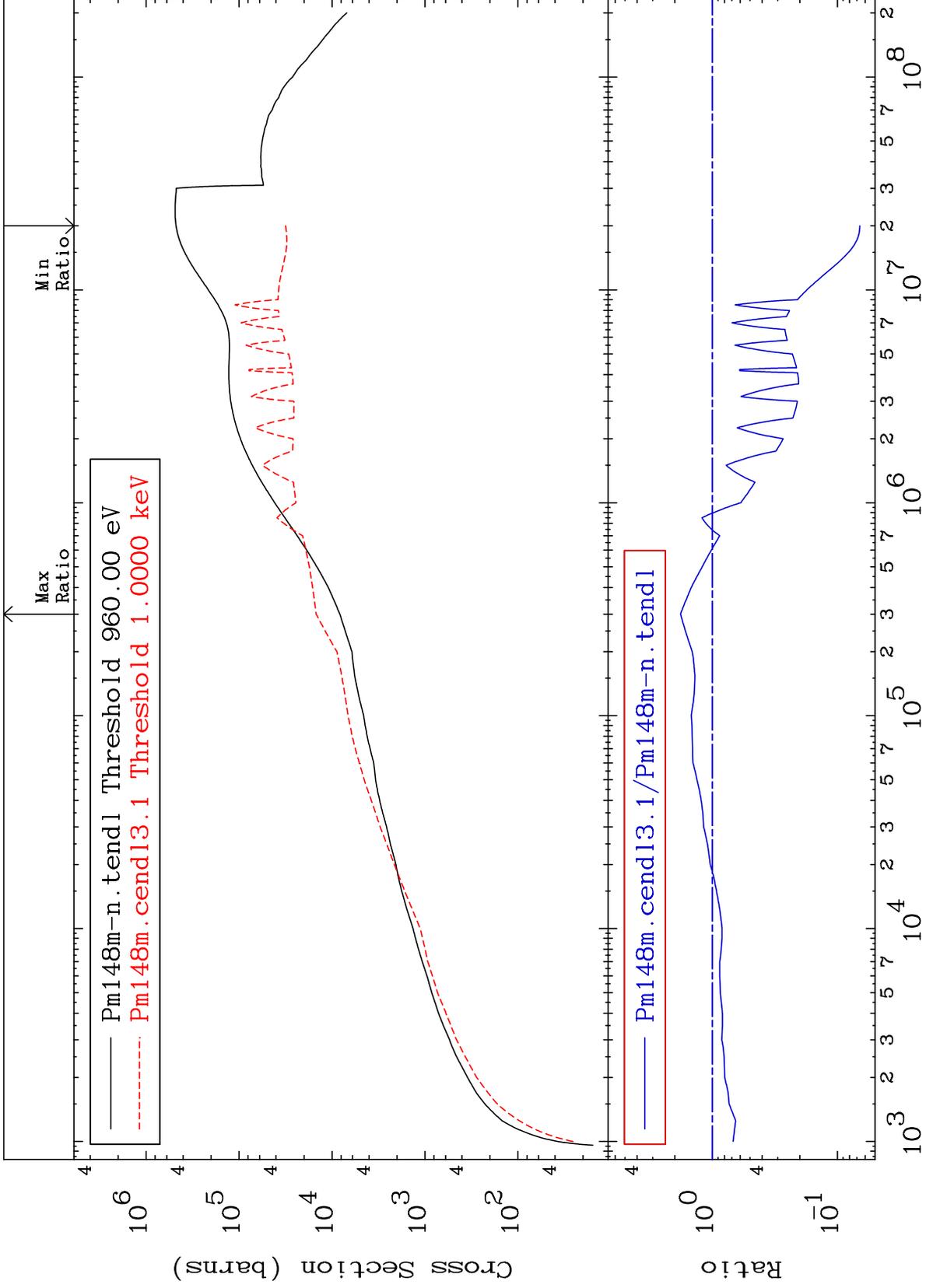
Incident Energy (eV)

61-Pm-148

MAT 6153

Dpa elastic (mt2)
Cross Section

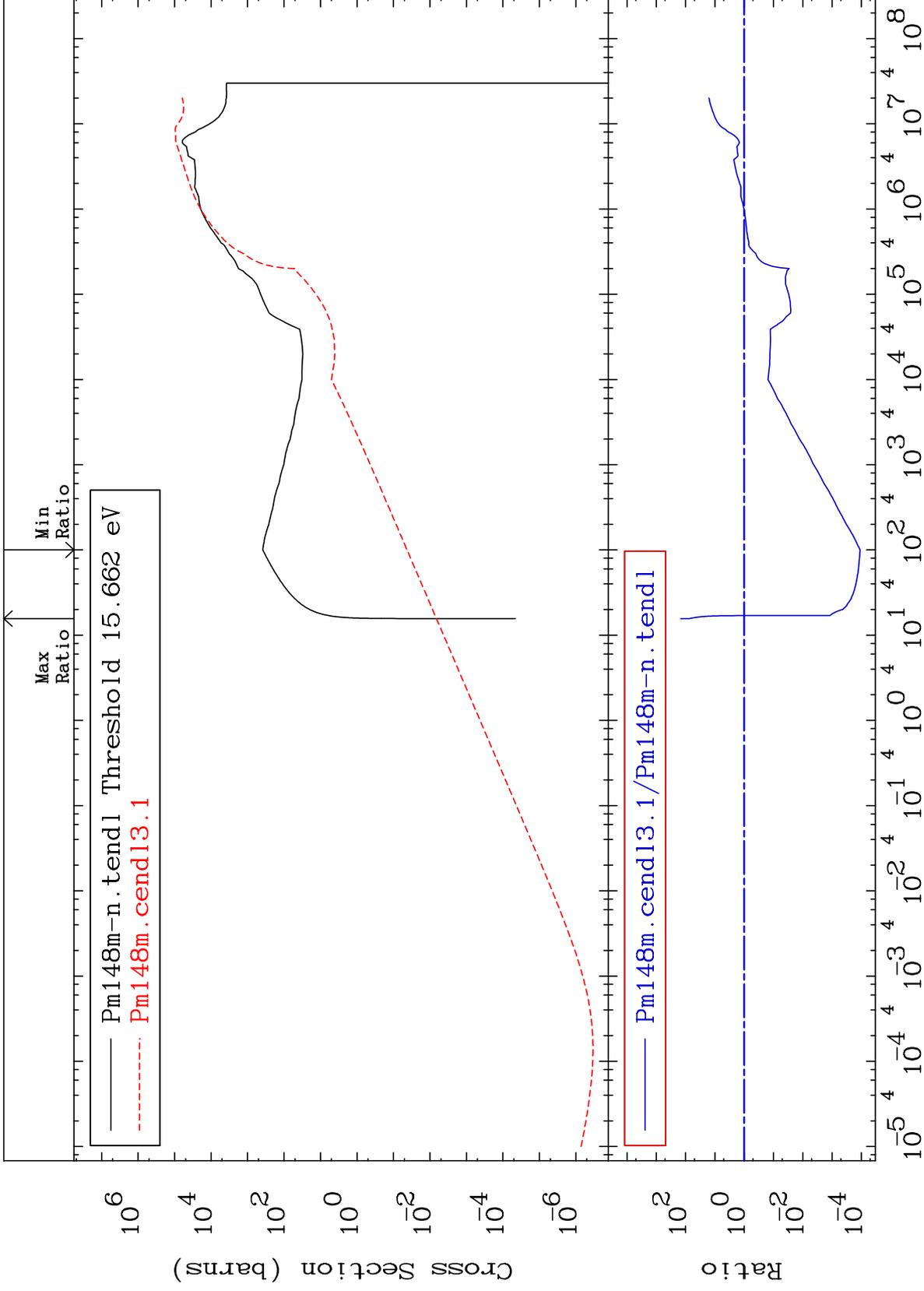
61-Pm-148
-93.37 To 79.81 %



29

Incident Energy (eV)

61-Pm-148



MAT 6153

Dpa disappearance (mt102 -120)
Cross Section

61-Pm-148
-59.30 To 9999. %

