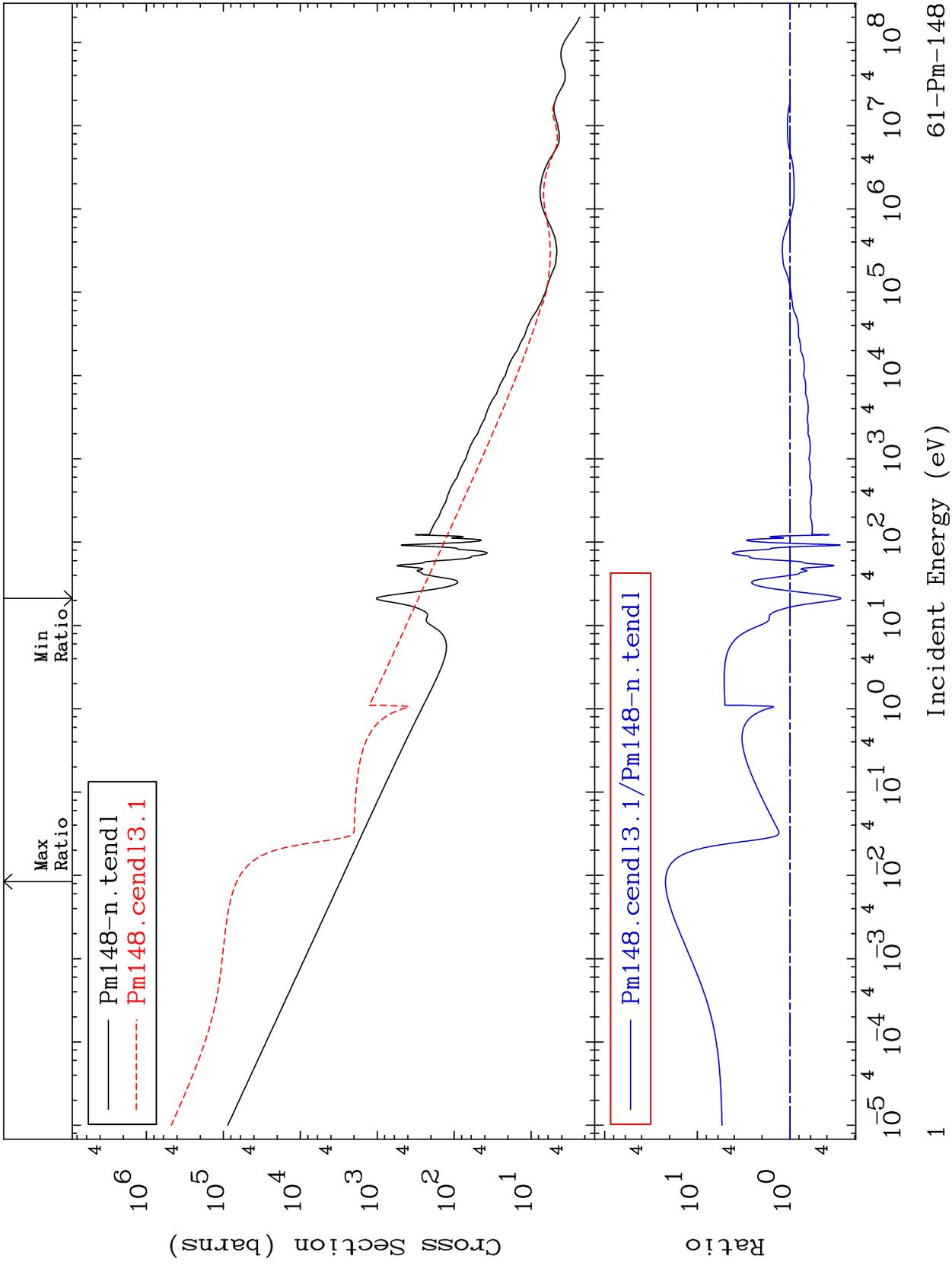


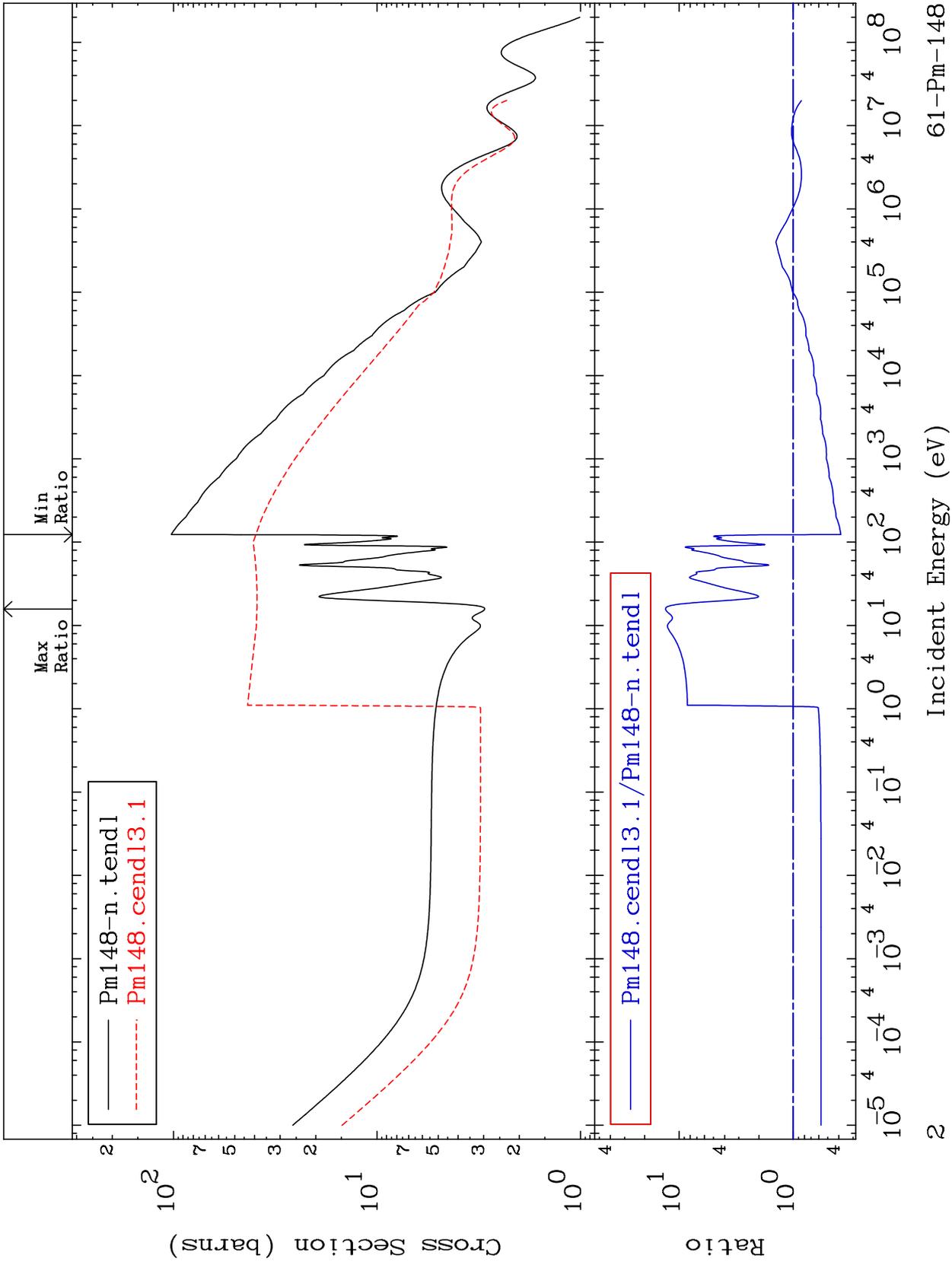
MAT 6152

Total Cross Section
61-Pm-148
-71.70 To 2106. %



MAT 6152

Elastic Cross Section
61-Pm-148
-61.61 To 1216. %

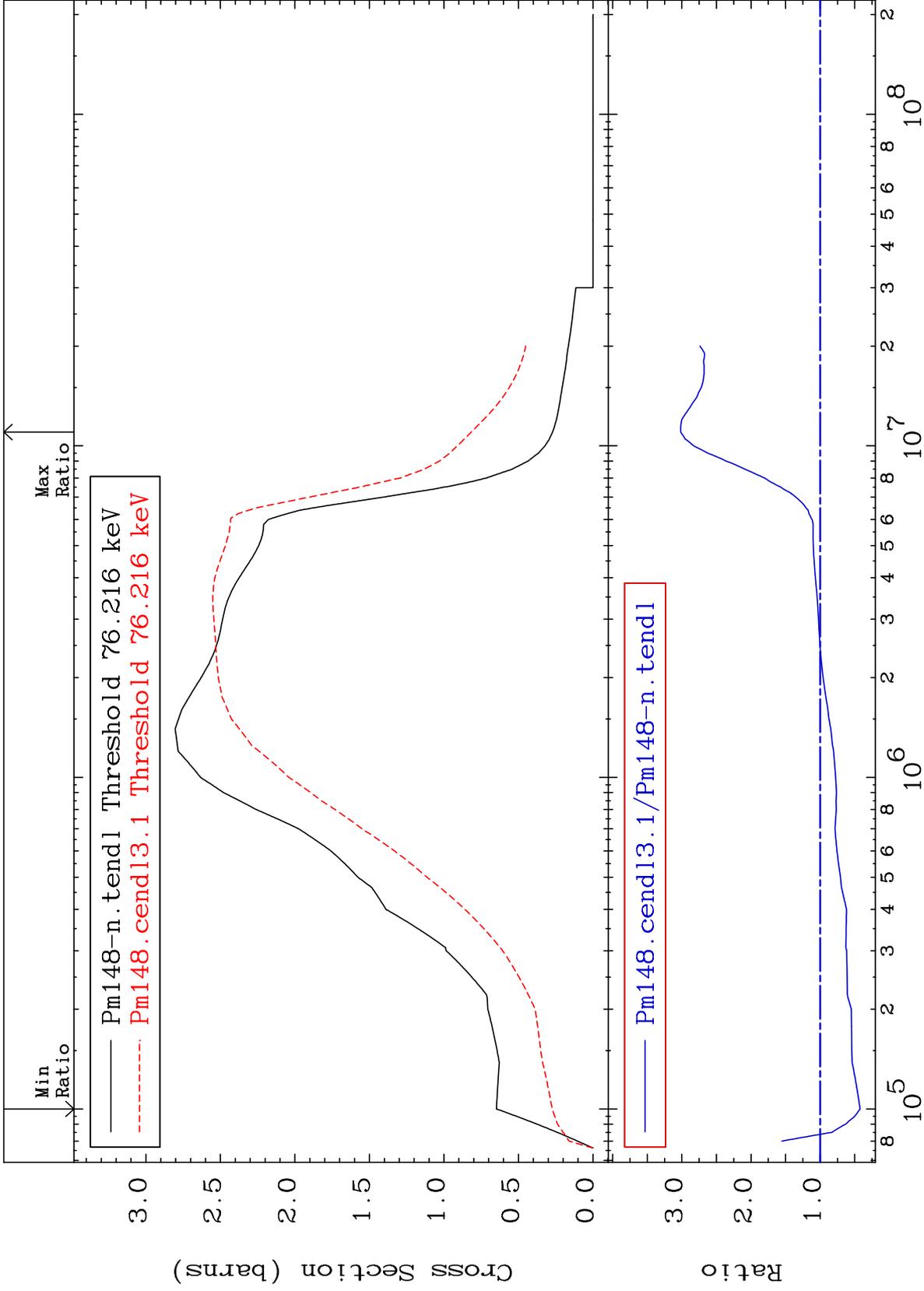


61-Pm-148

MAT 6152

Inelastic
Cross Section

61-Pm-148
-57.75 To 201.6 %



3

61-Pm-148

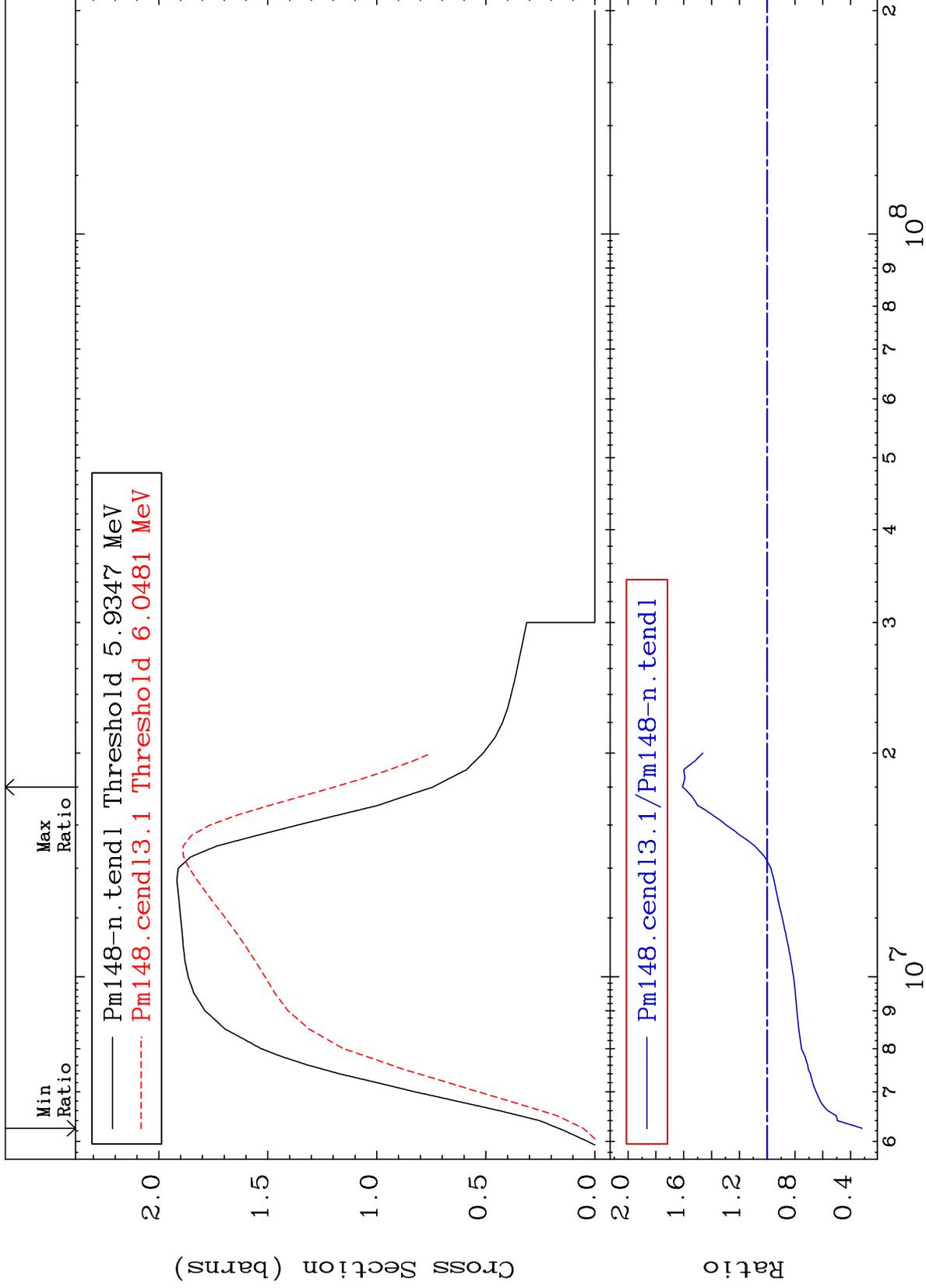
MAT 6152

(n,2n)

61-Pm-148

Cross Section

-68.19 To 60.79 %



4

Incident Energy (eV)

61-Pm-148

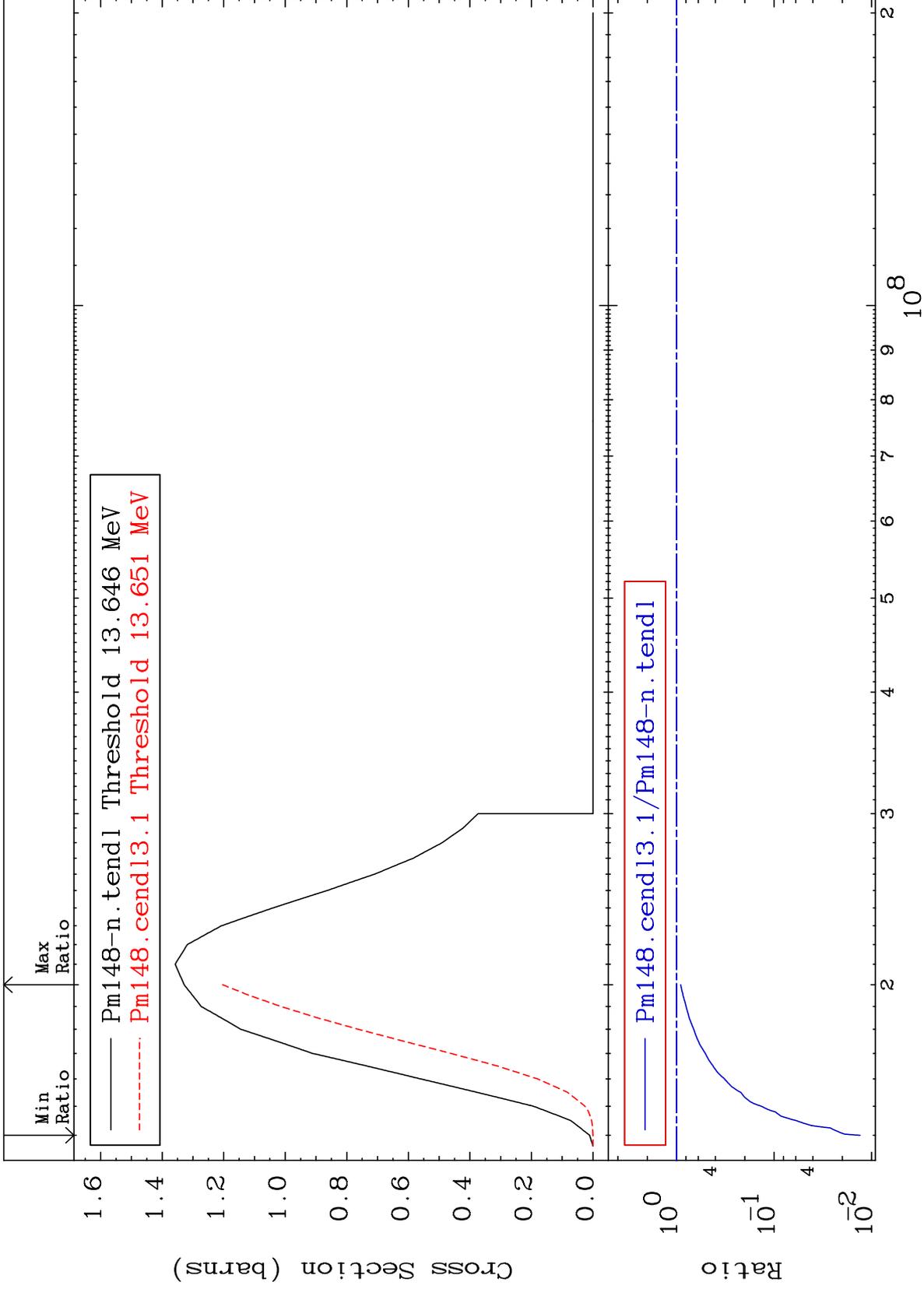
MAT 6152

(n, 3n)

61-Pm-148

Cross Section

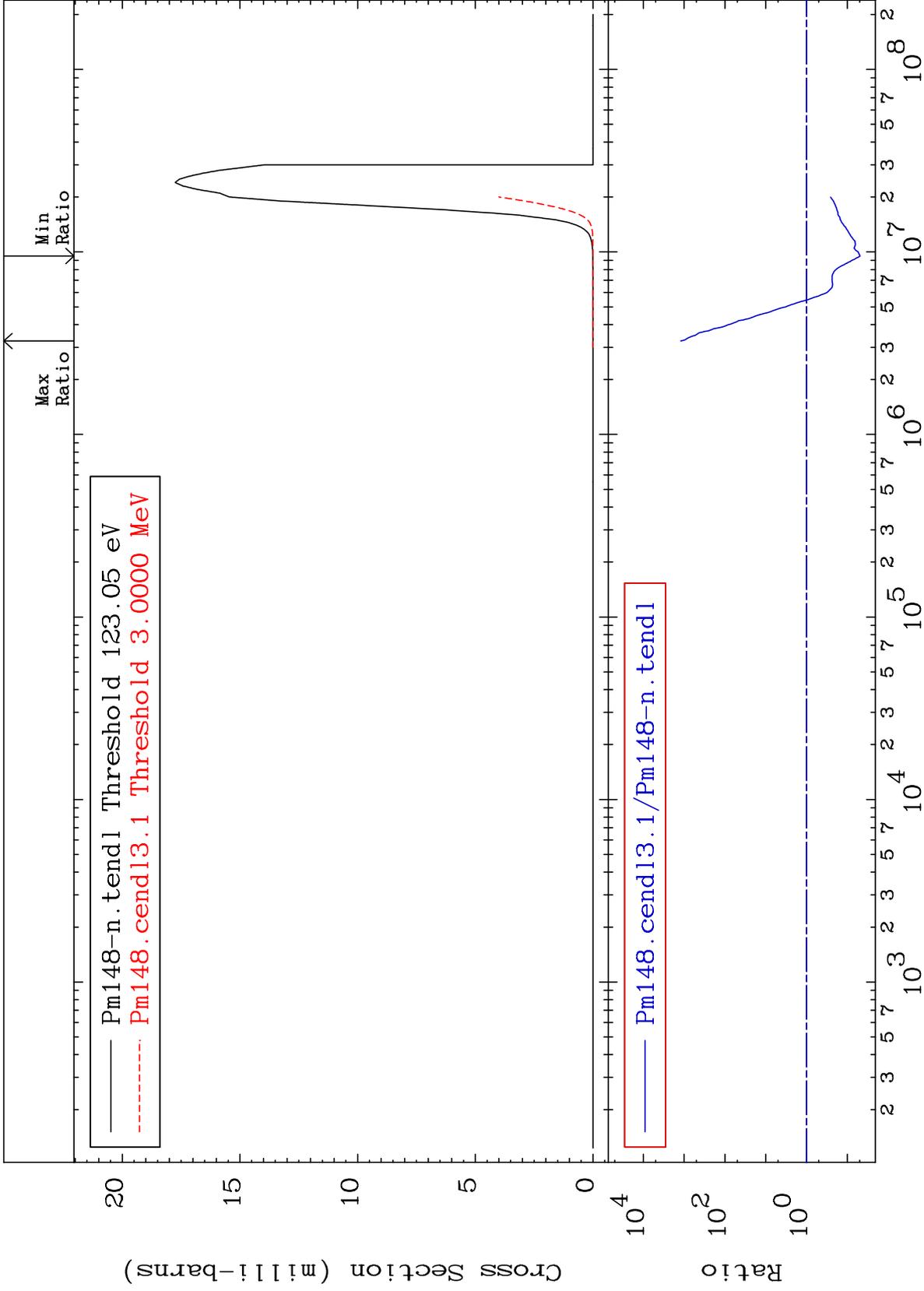
-98.69 To -9.428%



MAT 6152

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

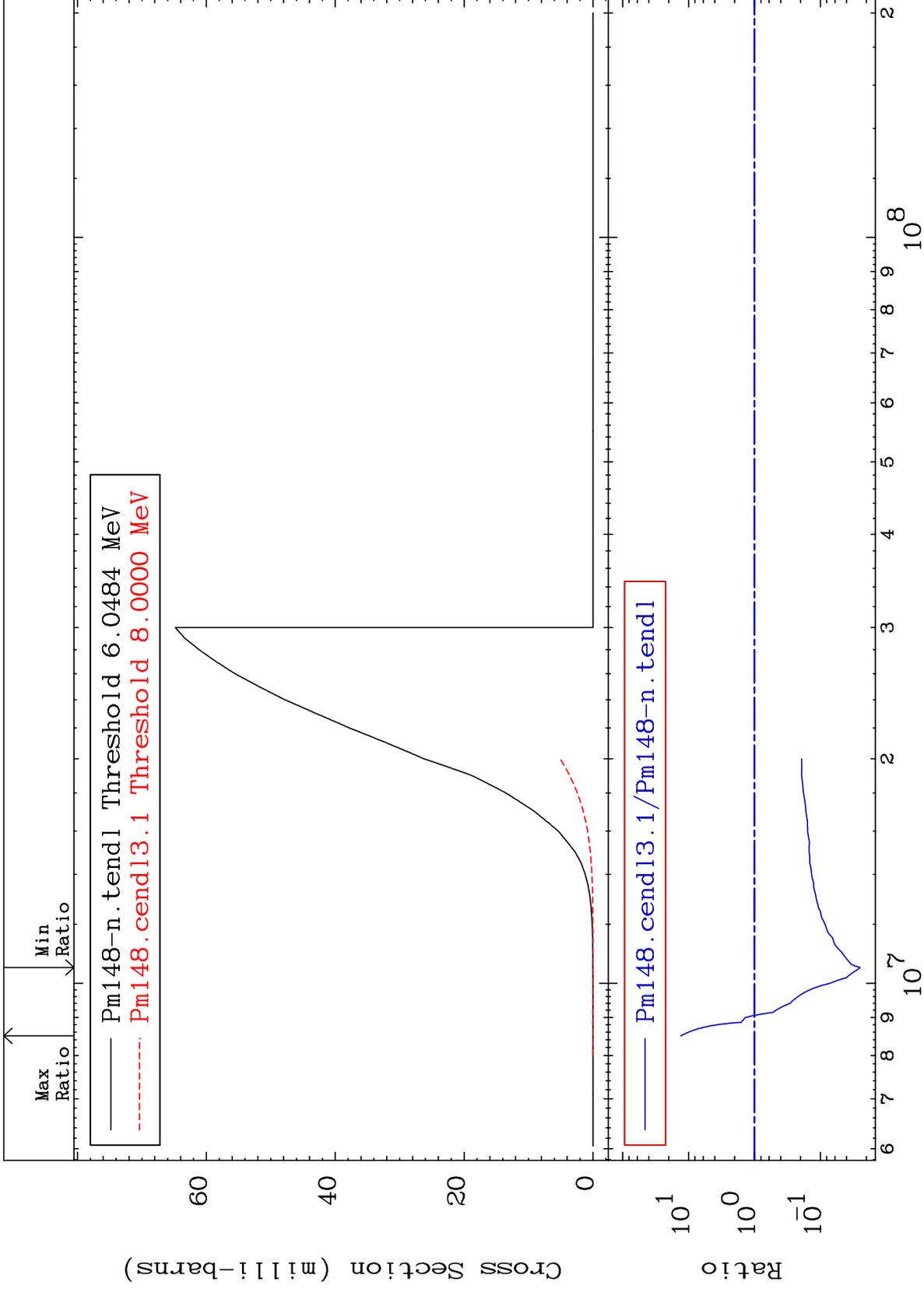
61-Pm-148
-95.13 To 9999. %



MAT 6152

(n,n') p
Cross Section

61-Pm-148
-97.50 To 1213. %



7

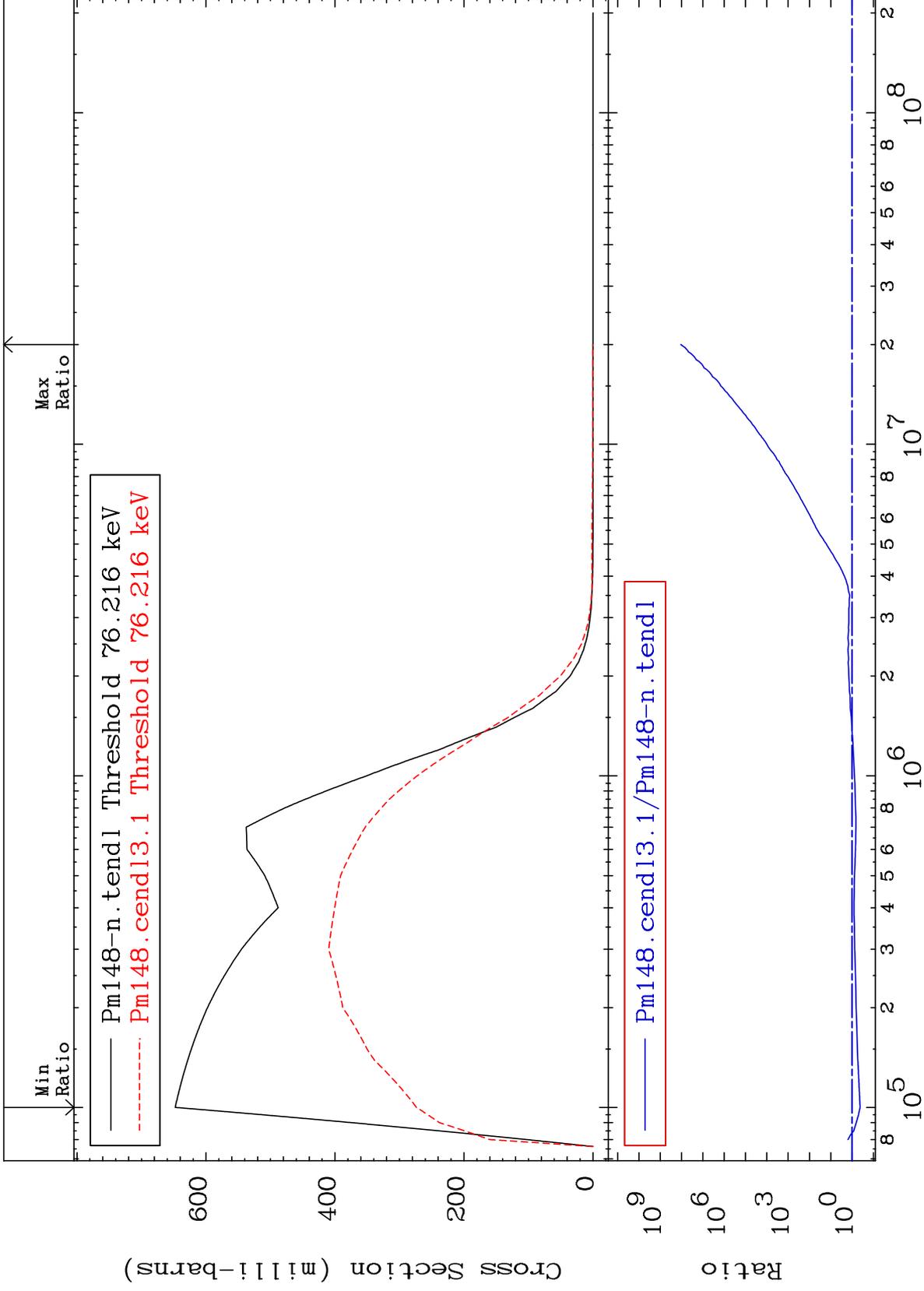
Incident Energy (eV)

61-Pm-148

MAT 6152

75.70 keV (n,n') Level
Cross Section

61-Pm-148
-57.75 To 9999. %



8

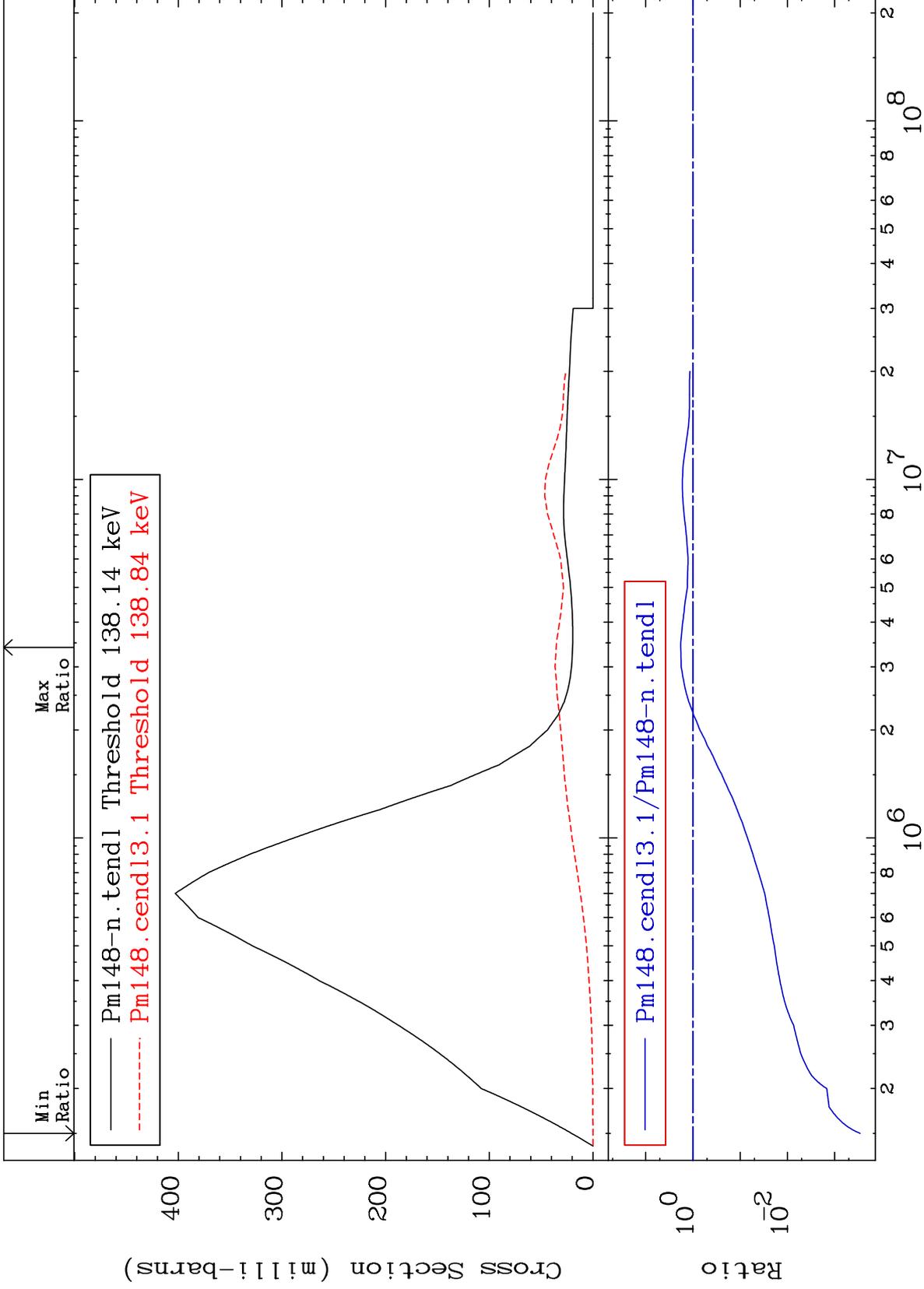
Incident Energy (eV)

61-Pm-148

MAT 6152

137.2 keV (n,n') Level
Cross Section

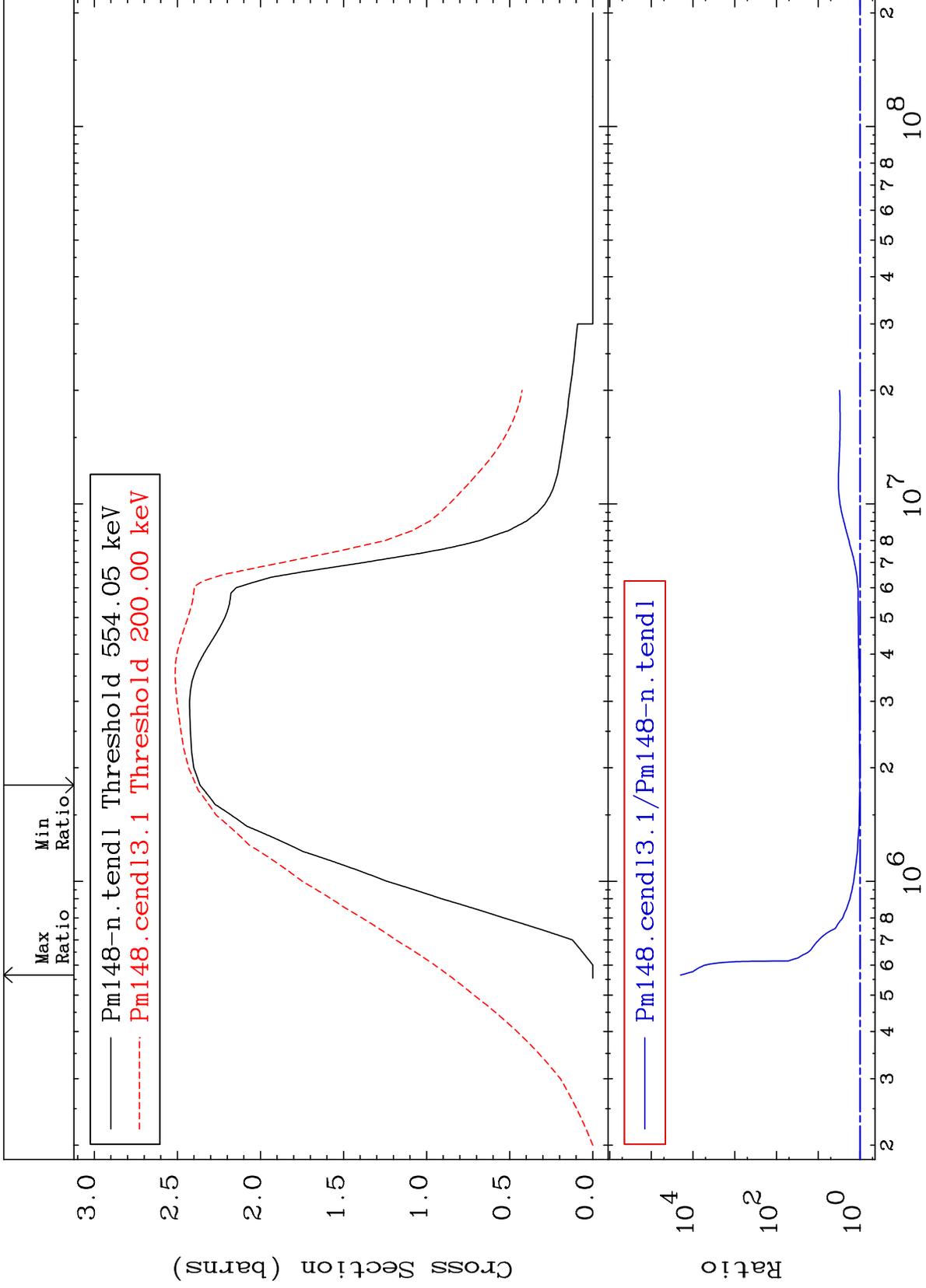
61-Pm-148
-99.97 To 80.72 %



MAT 6152

(n, n') Continuum
Cross Section

61-Pm-148
1.008 To 9999. %



10

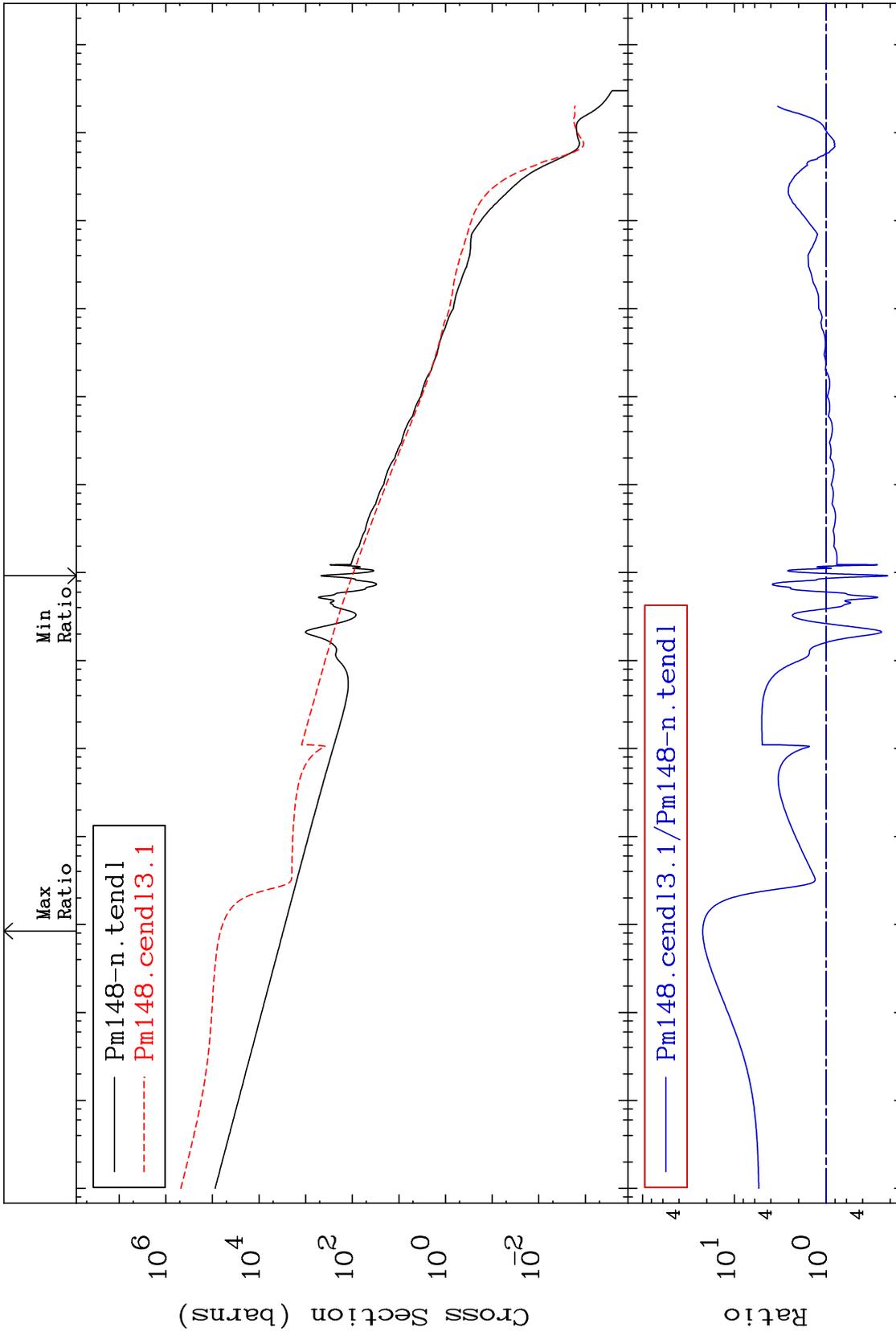
61-Pm-148

61-Pm-148

MAT 6152

(n, γ)
Cross Section

61-Pm-148
-78.72 To 2110. %



11

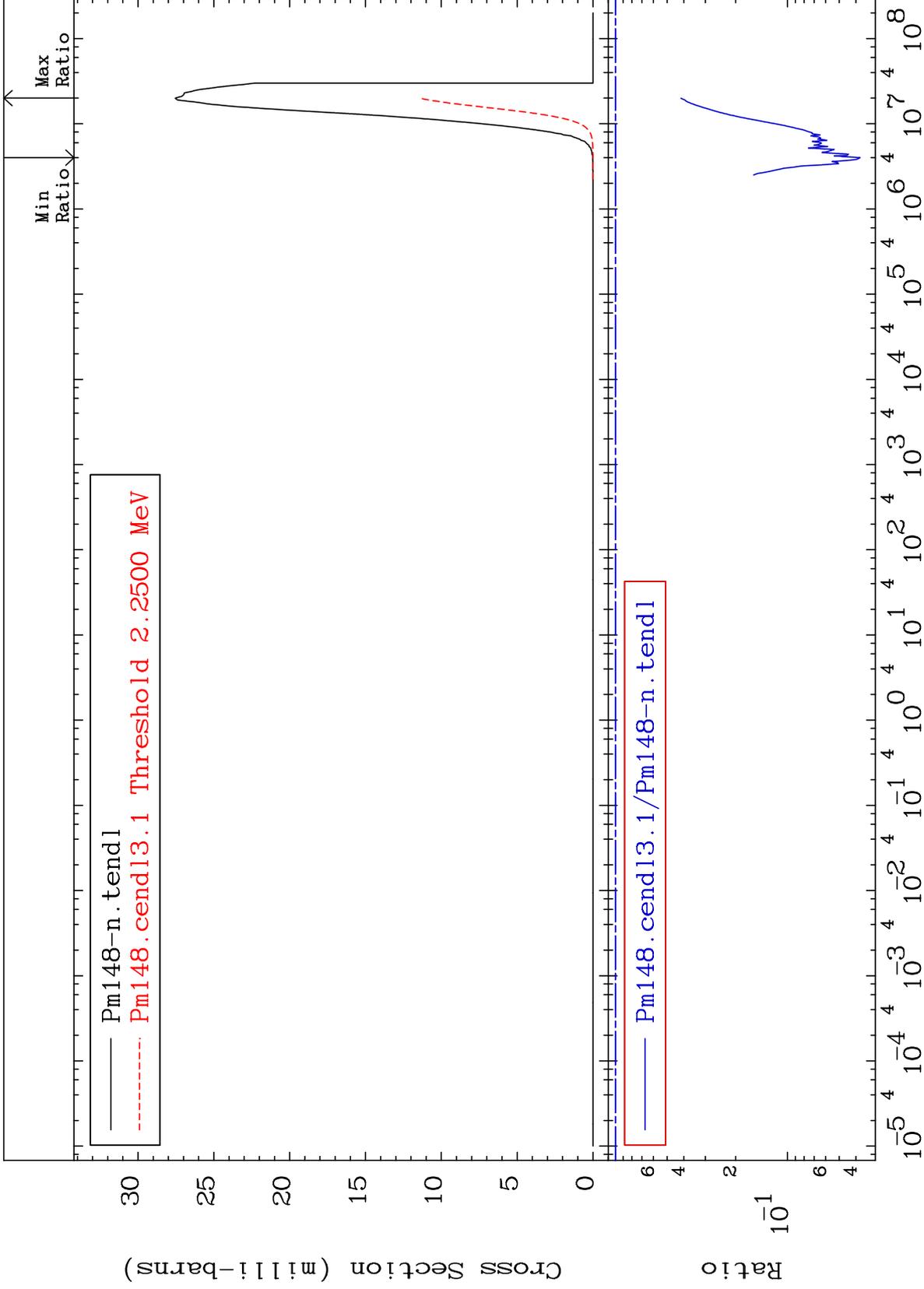
Incident Energy (eV)

61-Pm-148

MAT 6152

(n,p)
Cross Section

61-Pm-148
-96.22 To -58.36%



12

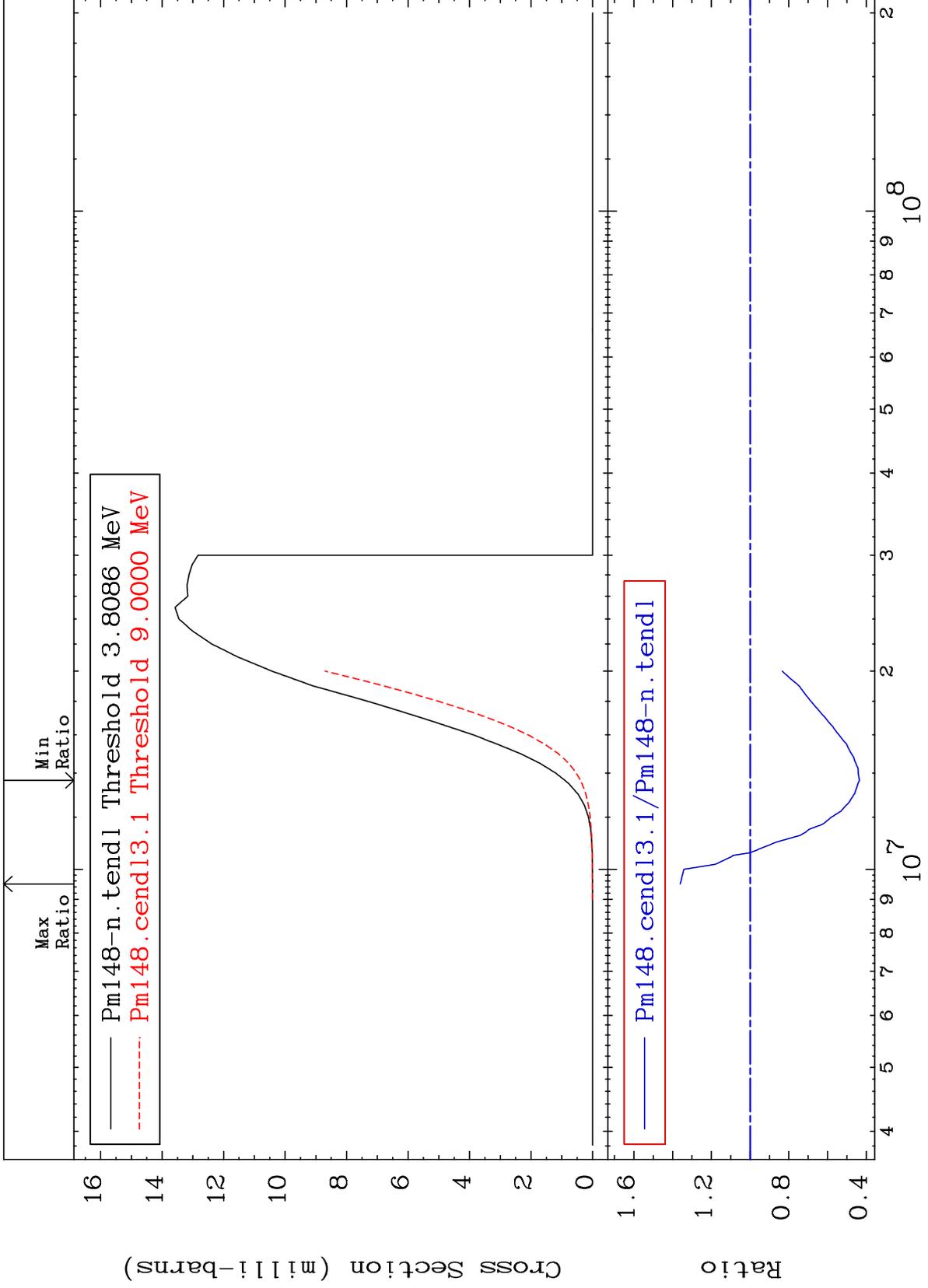
Incident Energy (eV)

61-Pm-148

MAT 6152

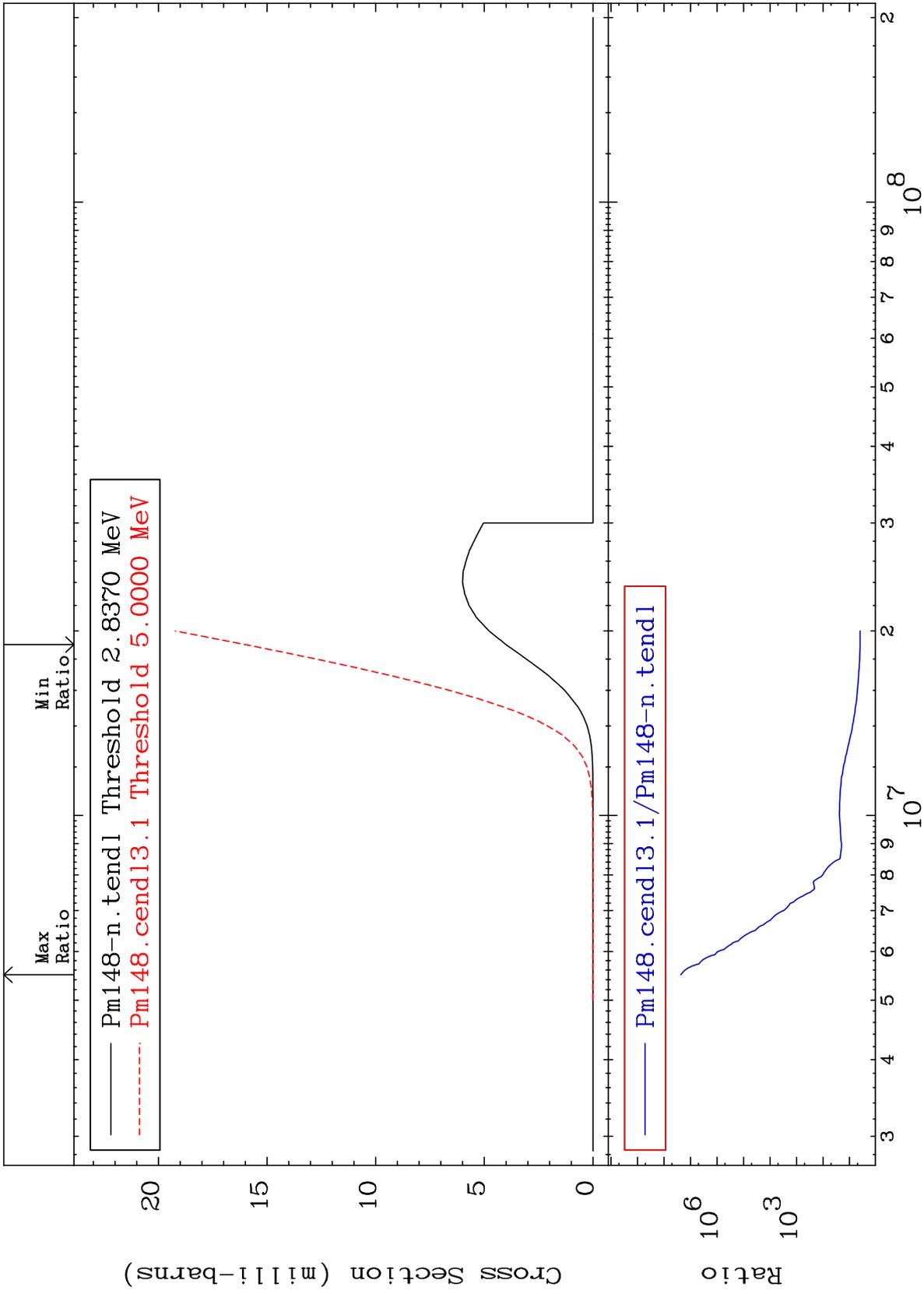
(n, d)
Cross Section

61-Pm-148
-56.49 To 36.07 %



MAT 6152

(n, t) Cross Section
61-Pm-148
299.4 To 9999. %



14

61-Pm-148

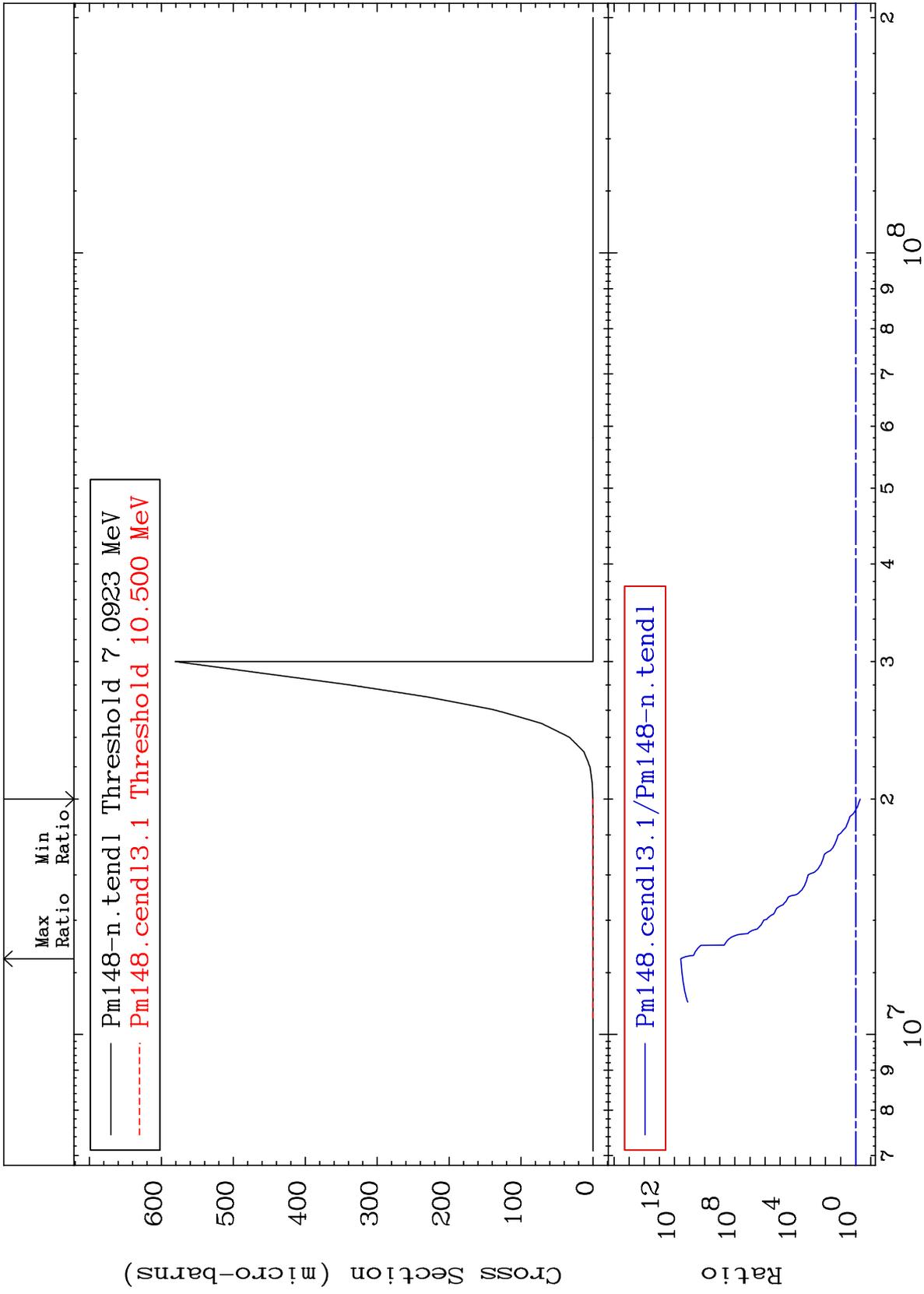
MAT 6152

(n, He-3)

61-Pm-148

Cross Section

-49.00 To 9999. %



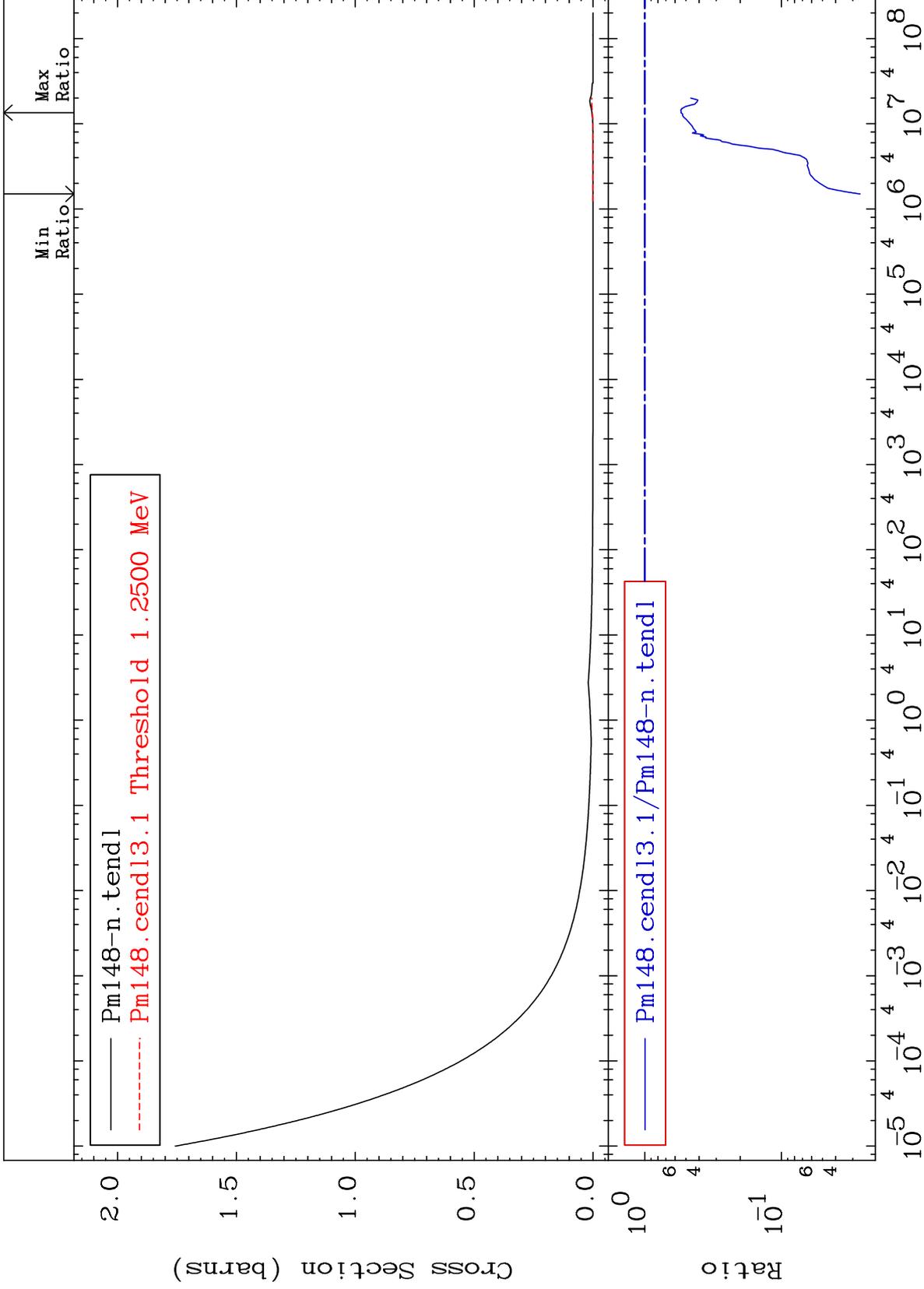
15

61-Pm-148

MAT 6152

(n, α)
Cross Section

61-Pm-148
-97.35 To -45.47%



16

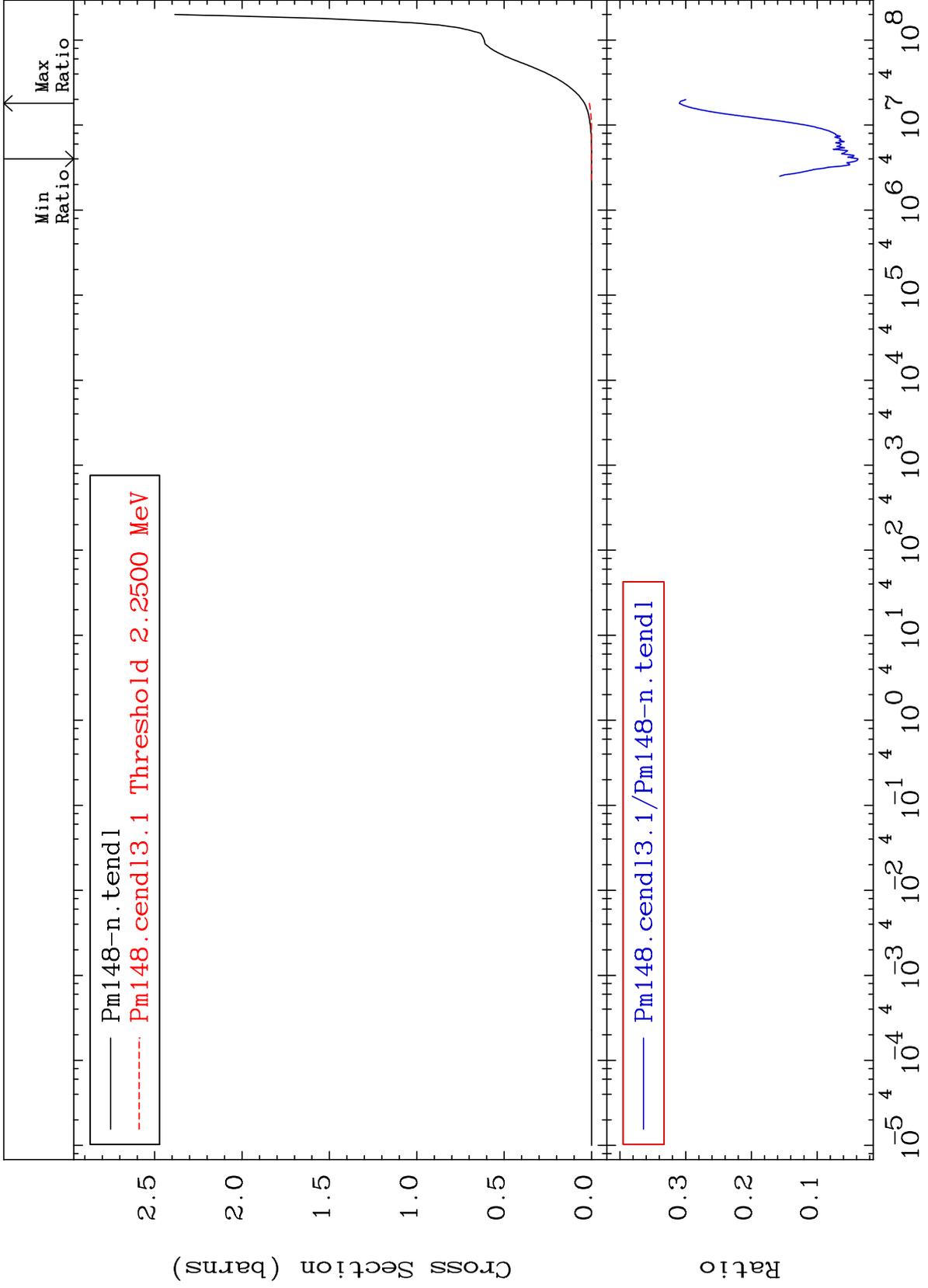
Incident Energy (eV)

61-Pm-148

MAT 6152

Hydrogen Production
Cross Section

61-Pm-148
-96.22 To -69.01%



17

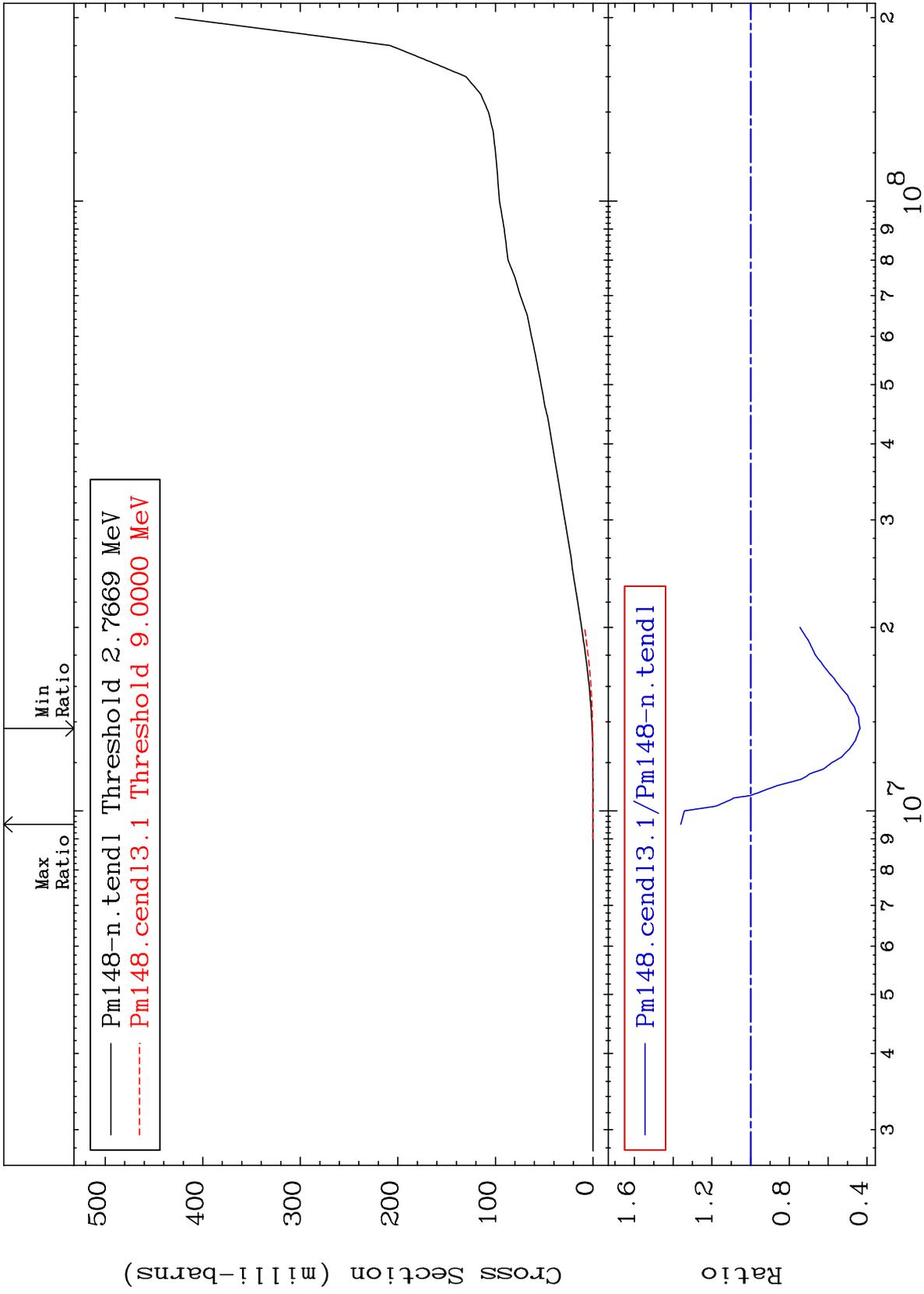
Incident Energy (eV)

61-Pm-148

MAT 6152

Deuterium Production
Cross Section

61-Pm-148
-56.49 To 36.07 %



18

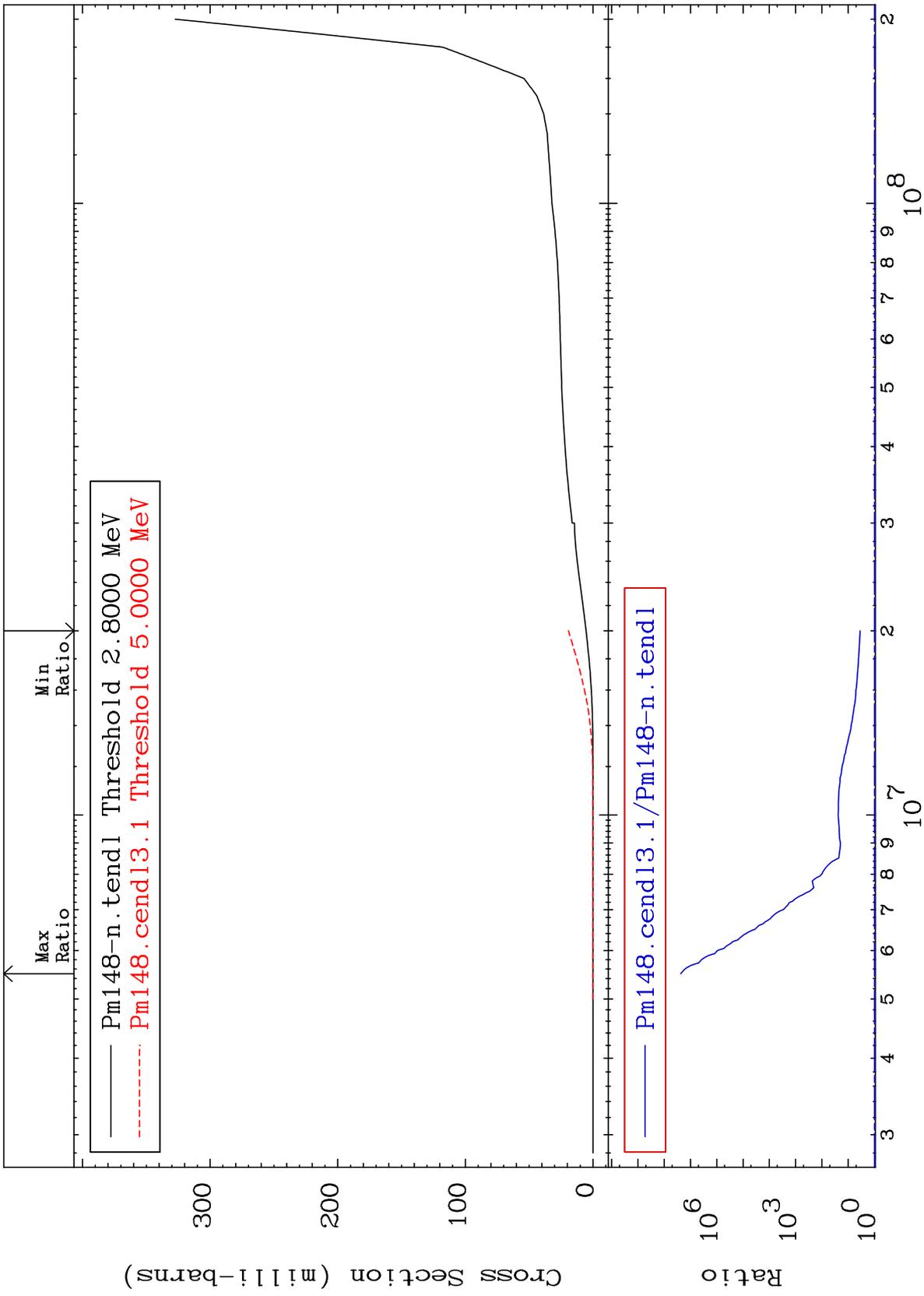
Incident Energy (eV)

61-Pm-148

MAT 6152

Tritium Production
Cross Section

61-Pm-148
255.3 To 9999. %



19

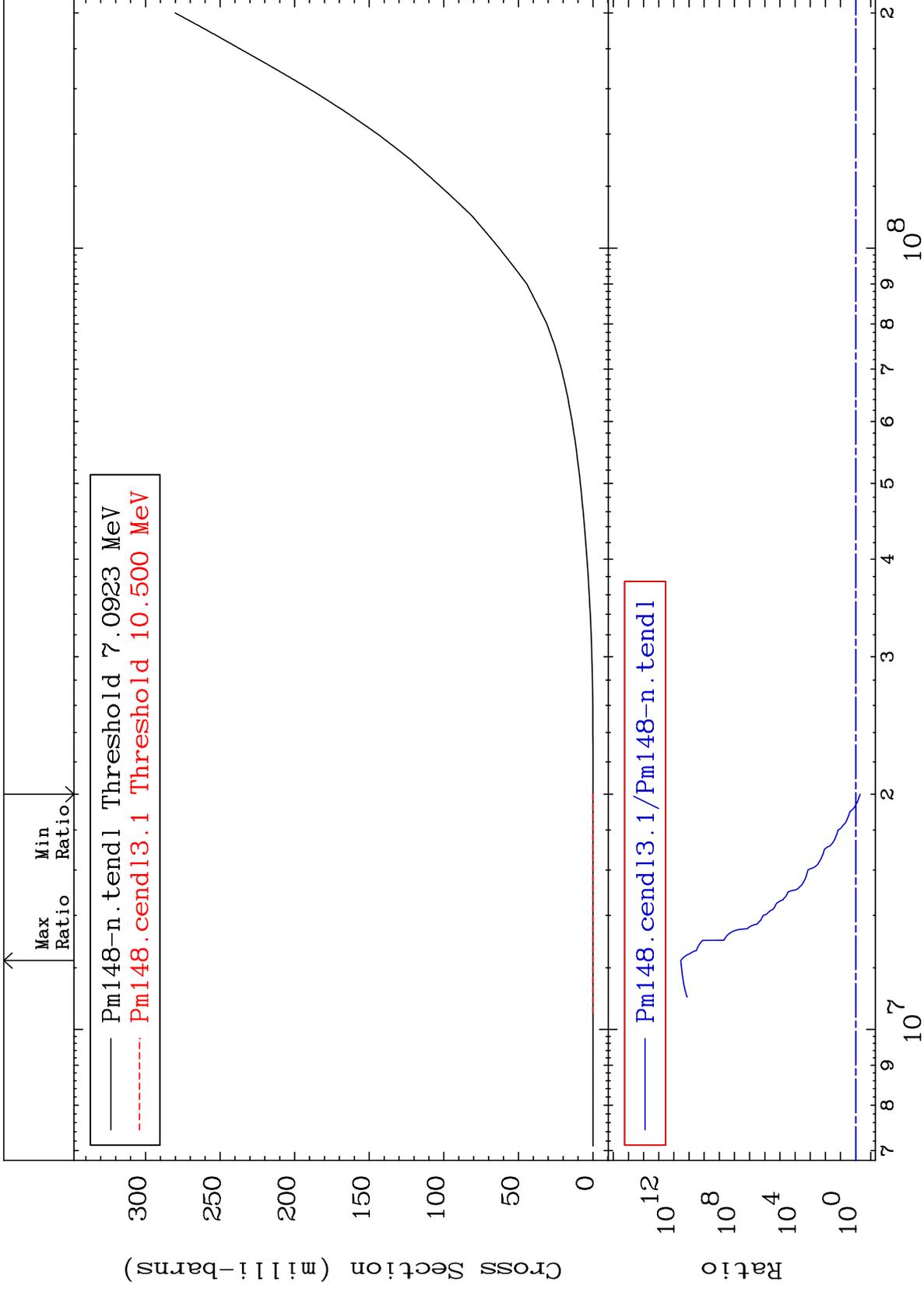
Incident Energy (eV)

61-Pm-148

MAT 6152

He-3 Production
Cross Section

61-Pm-148
-49.00 To 9999. %



20

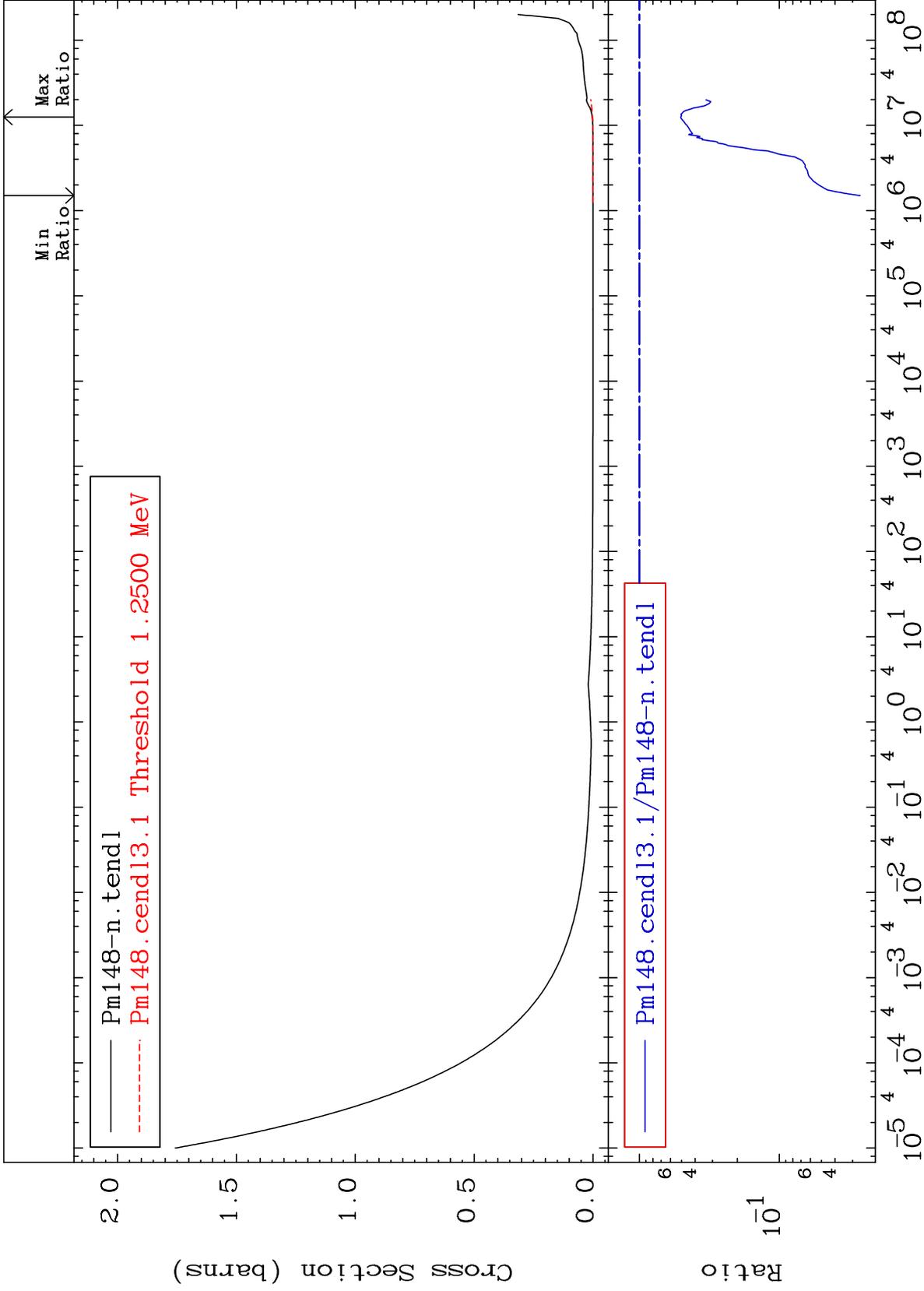
Incident Energy (eV)

61-Pm-148

MAT 6152

He-4 Production
Cross Section

61-Pm-148
-97.35 To -49.39%



21

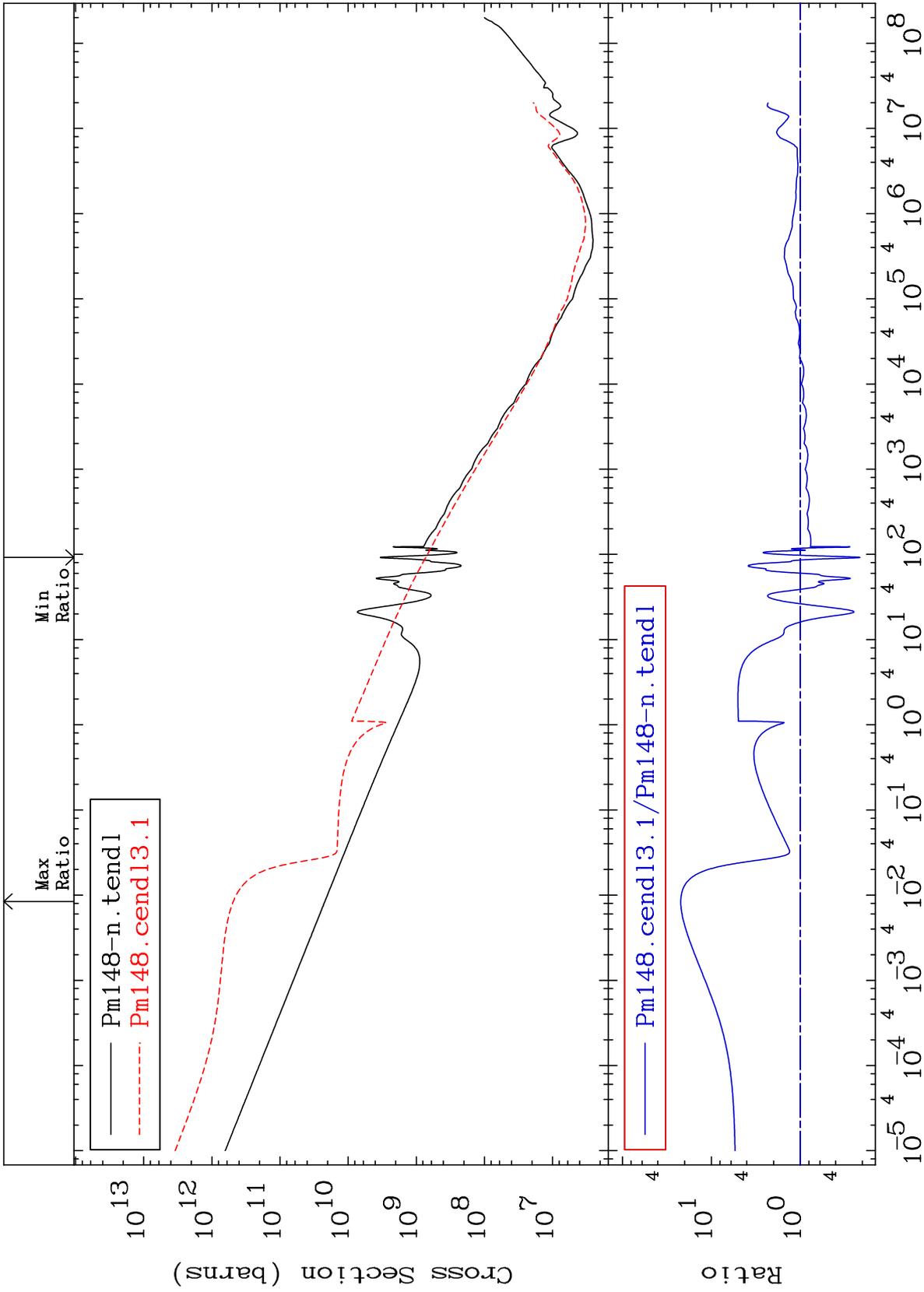
Incident Energy (eV)

61-Pm-148

MAT 6152

Kerma total (eV-barns)
Cross Section

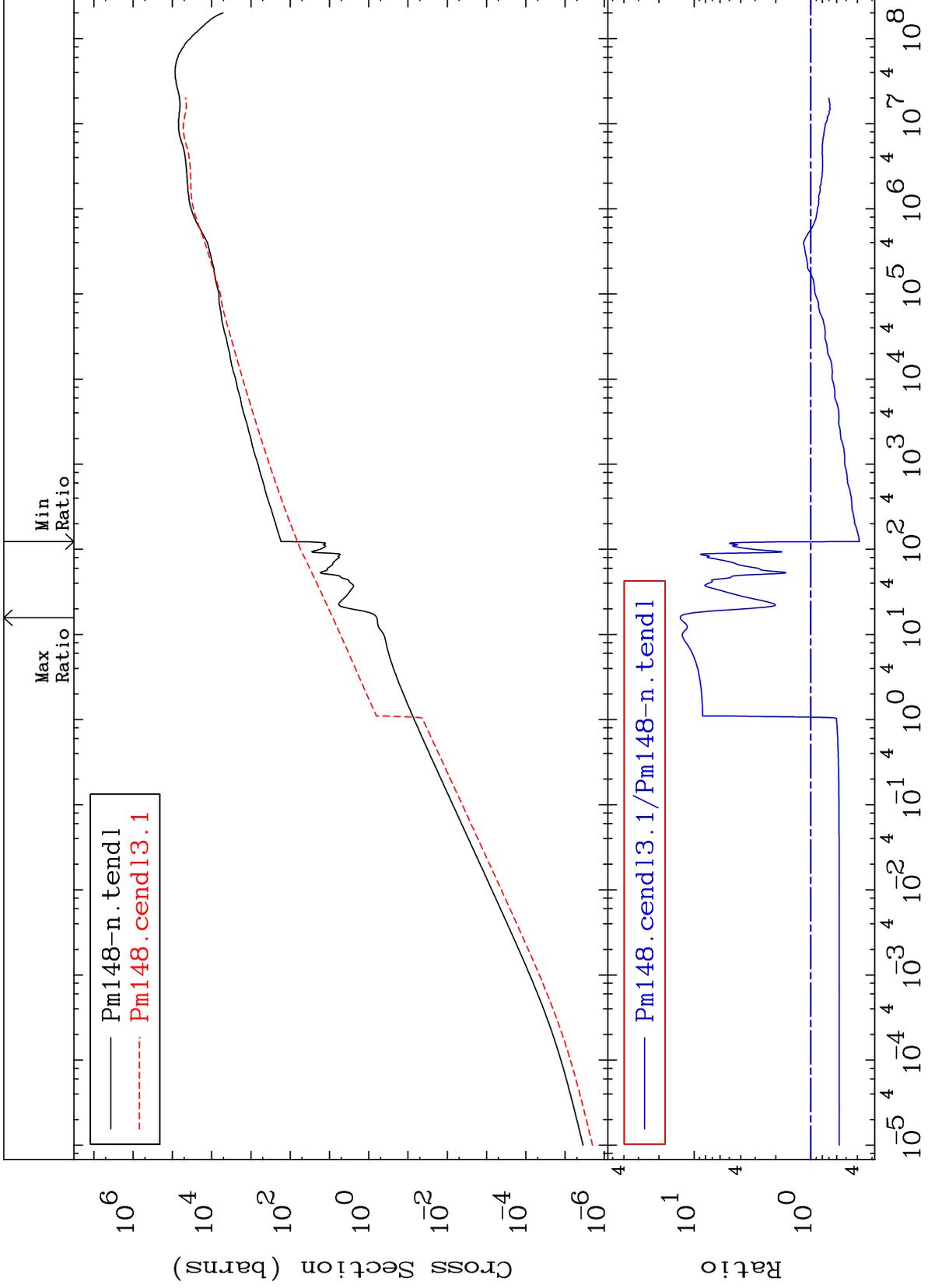
61-Pm-148
-78.72 To 2110. %



MAT 6152

Kerma elastic
Cross Section

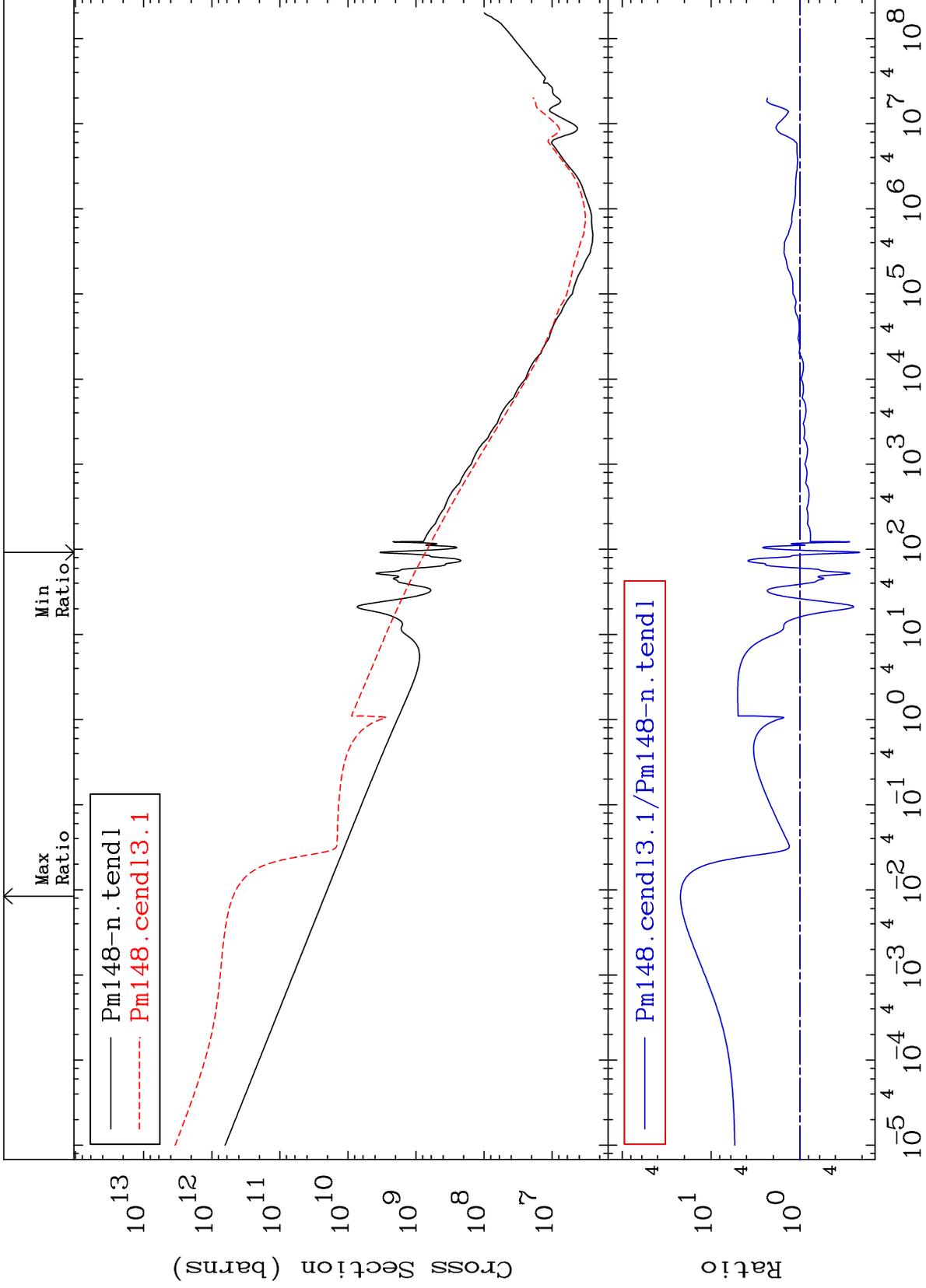
61-Pm-148
-61.61 To 1215. %



MAT 6152

Kerma non-elastic (all but mt2)
Cross Section

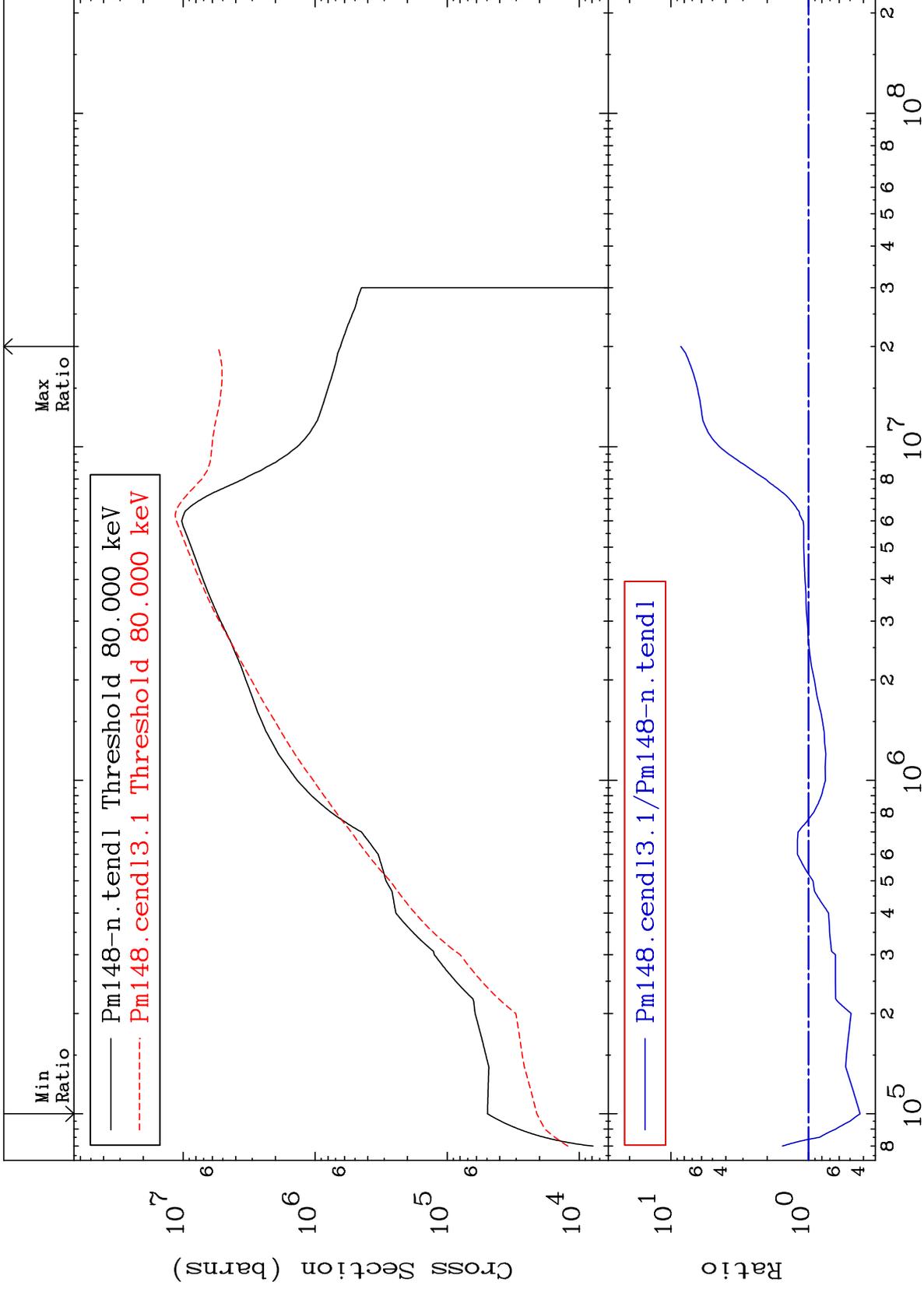
61-Pm-148
-78.72 To 2110. %



MAT 6152

Kerma inelastic (mt51-91)
Cross Section

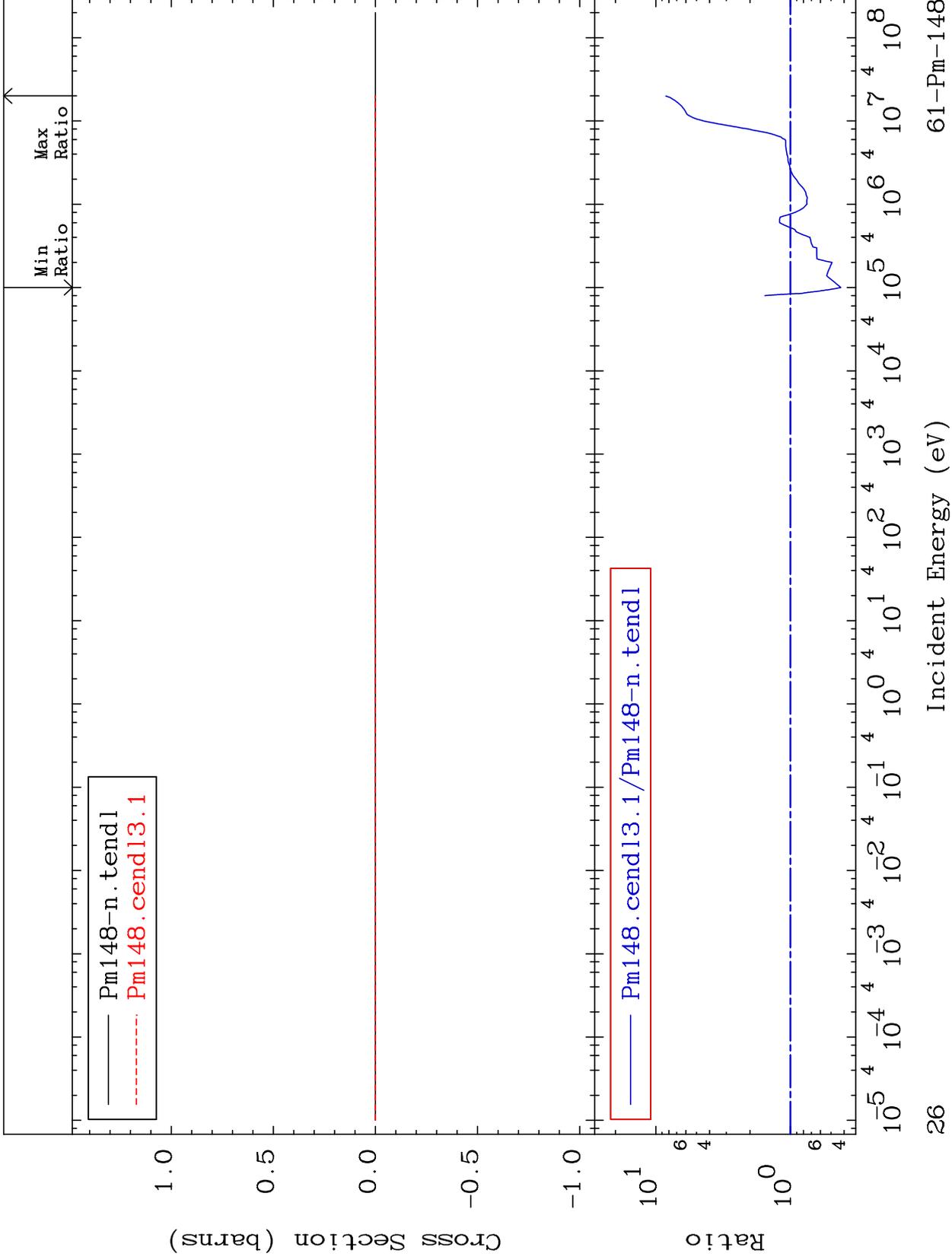
61-Pm-148
-57.75 To 748.9 %



MAT 6152

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

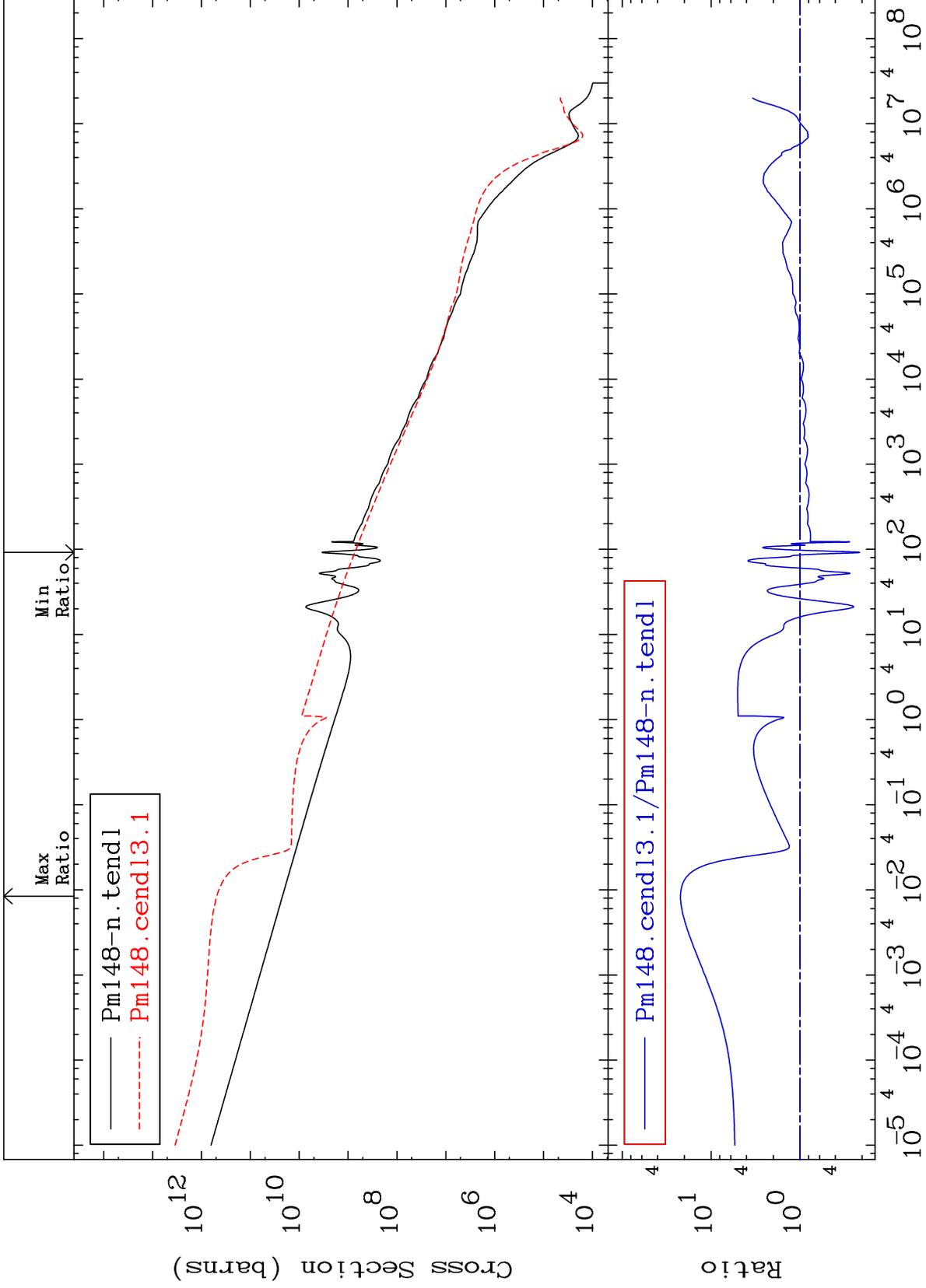
61-Pm-148
-57.75 To 748.9 %



MAT 6152

Kerma capture (mt102)
Cross Section

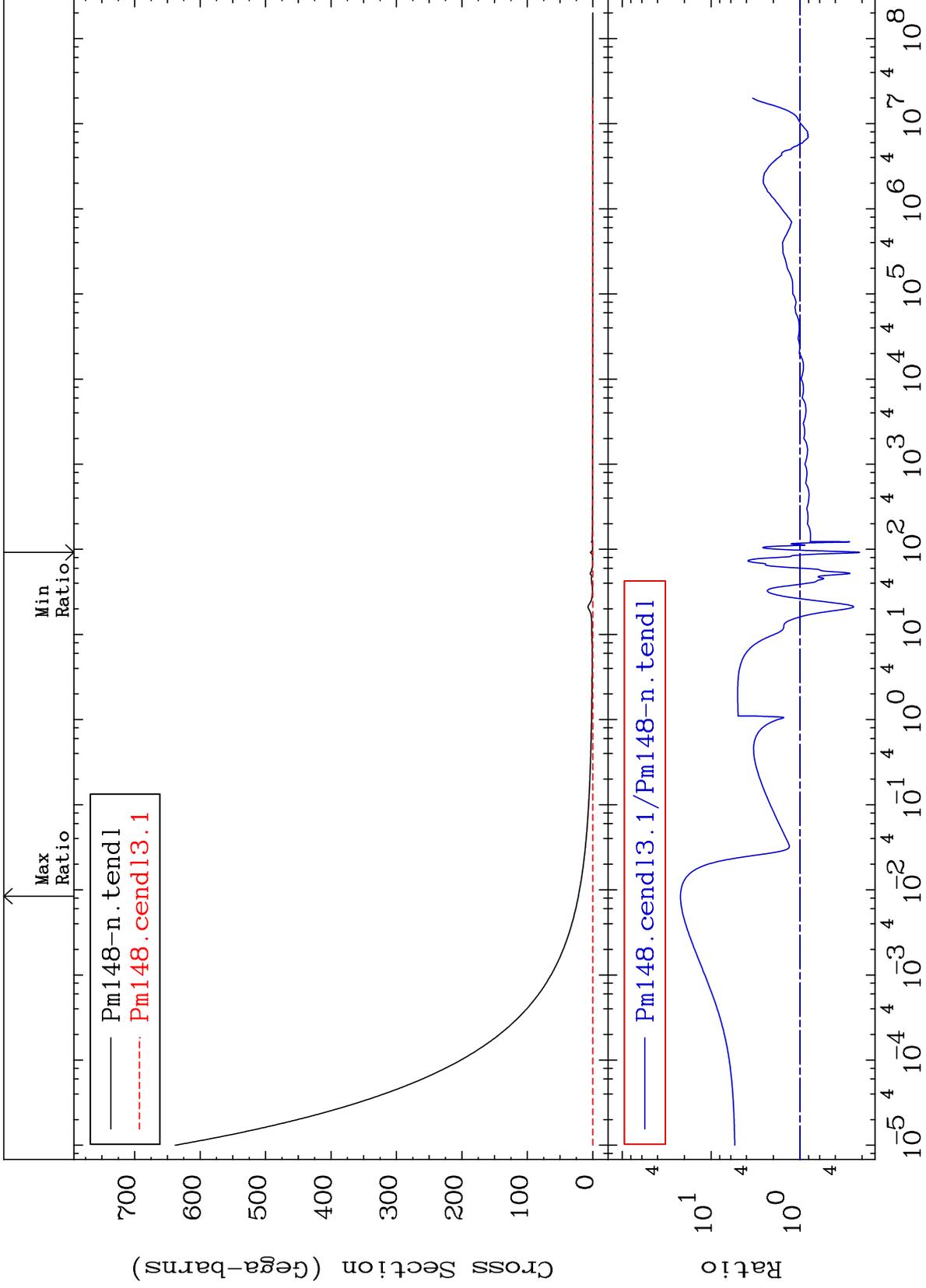
61-Pm-148
-78.72 To 2110. %



MAT 6152

Total photon (eV-barns)
Cross Section

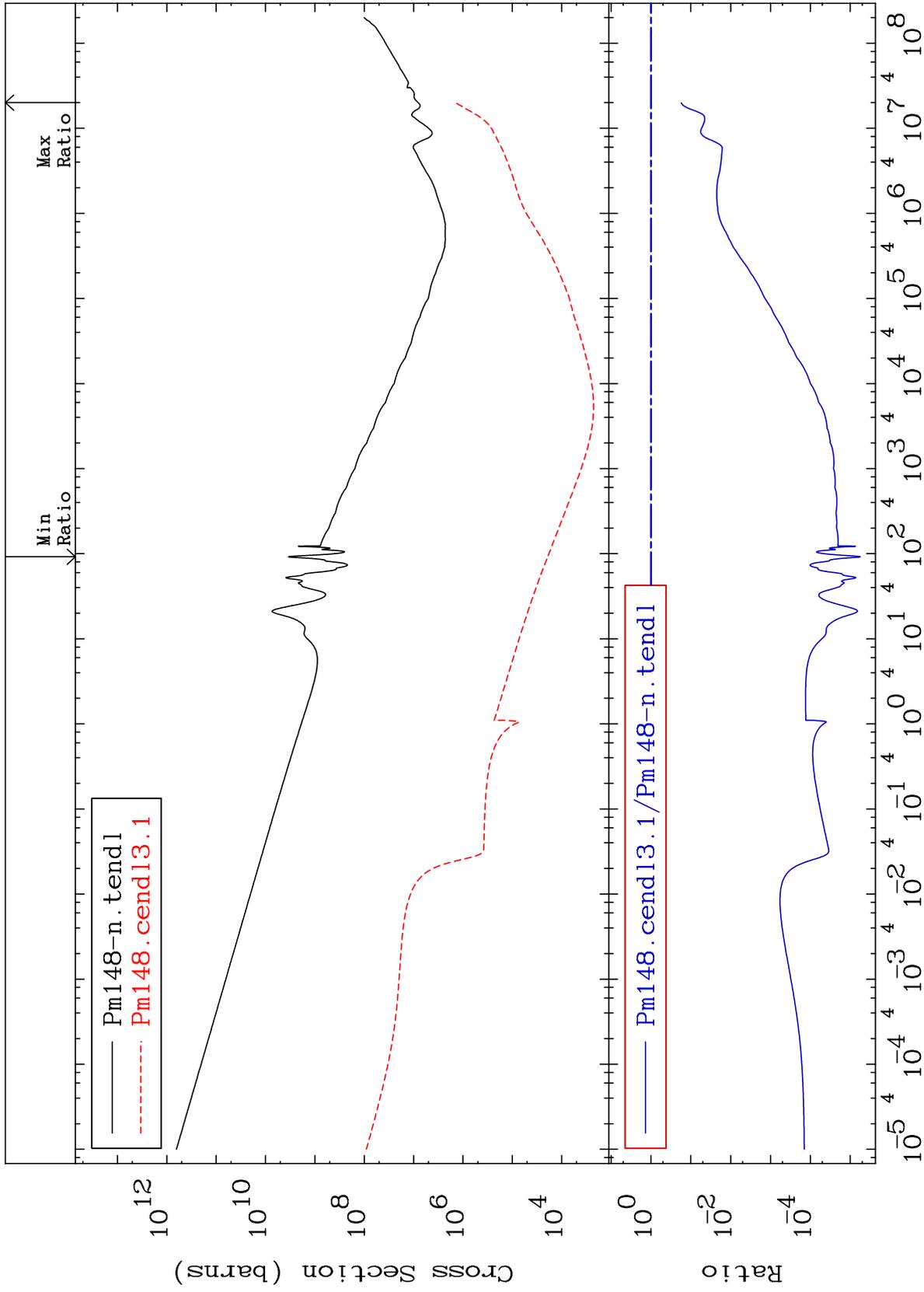
61-Pm-148
-78.72 To 2110. %



28

Incident Energy (eV)

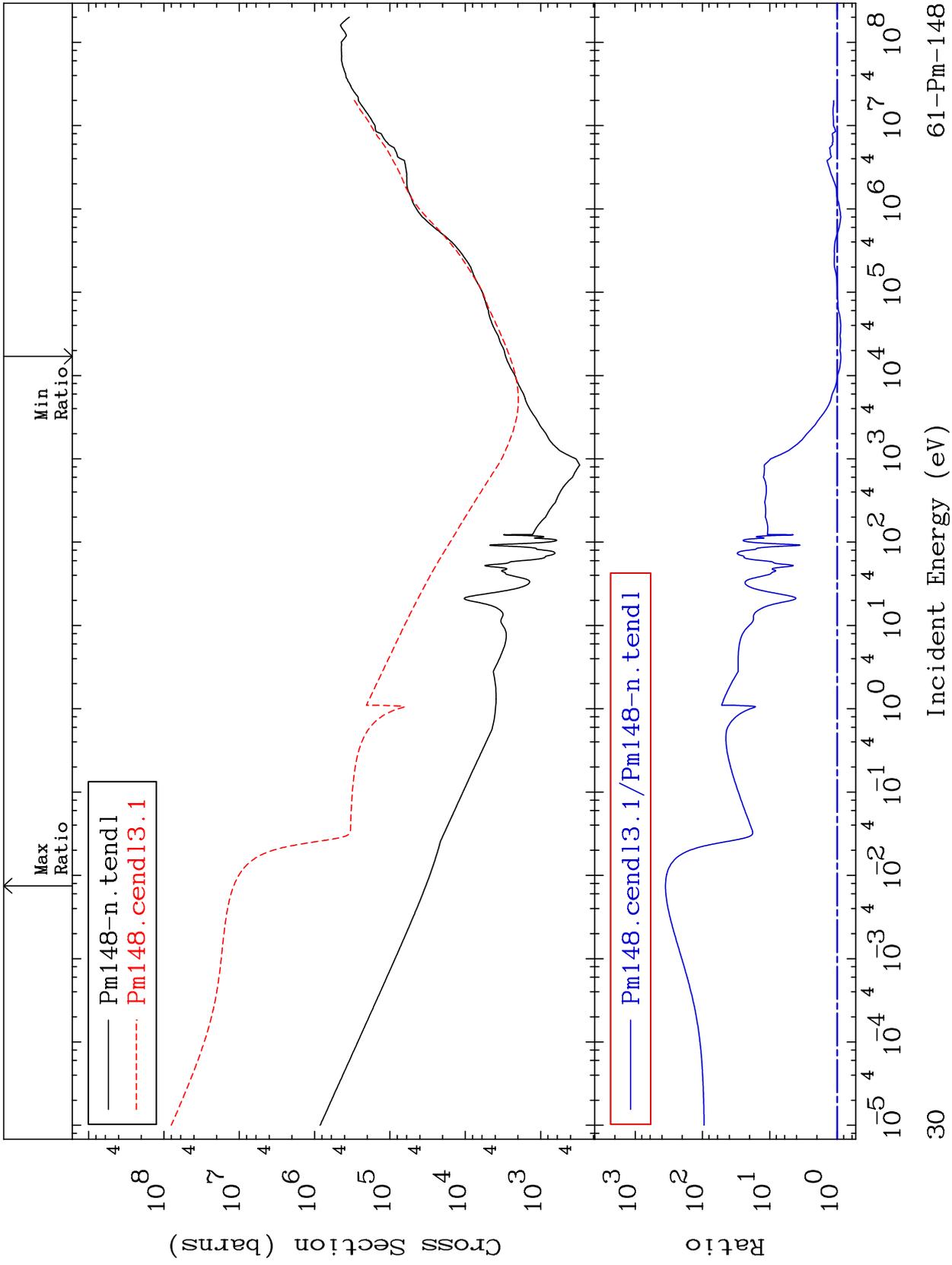
61-Pm-148



MAT 6152

Dpa total (eV-barns)
Cross Section

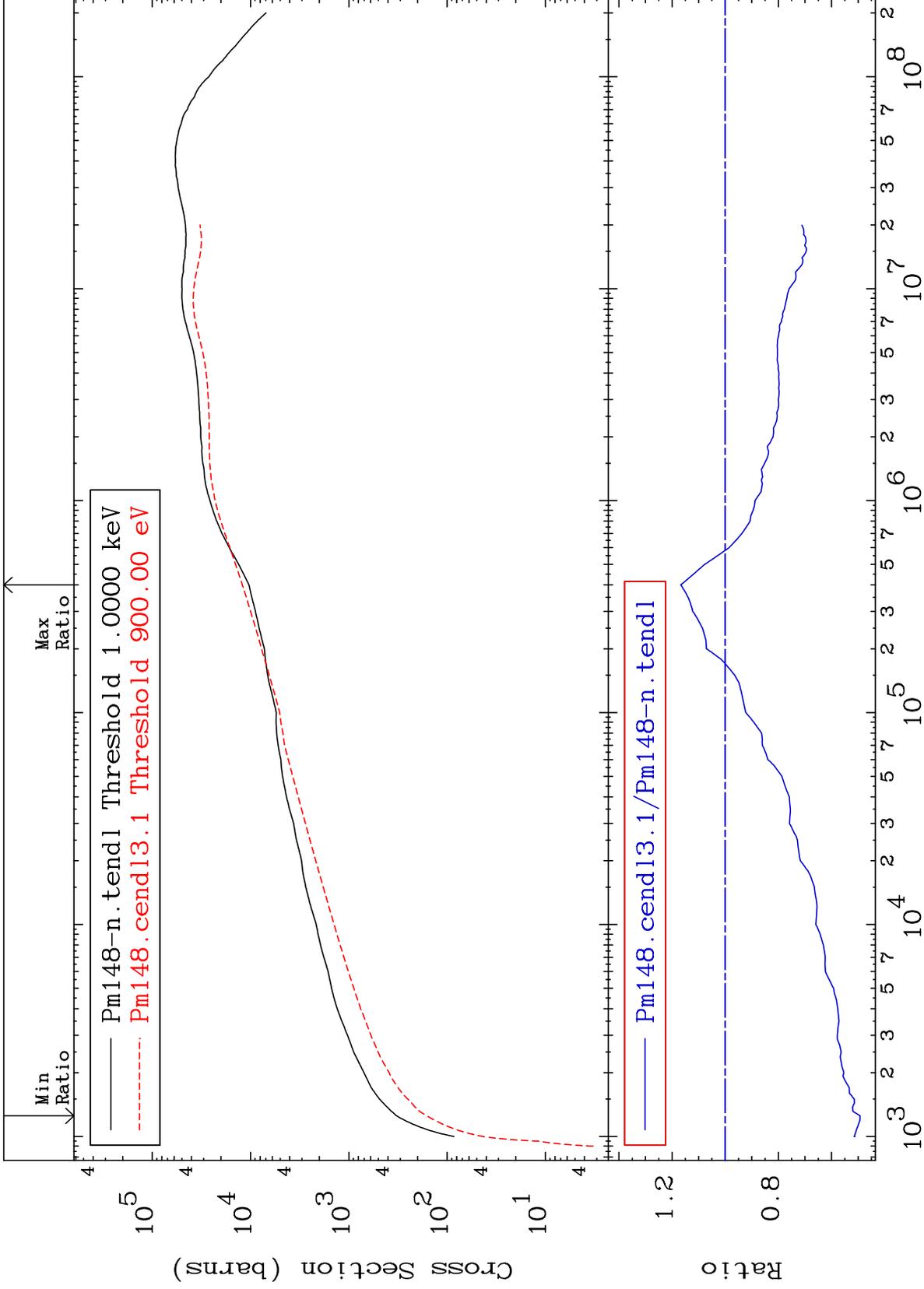
61-Pm-148
-11.85 To 9999. %



MAT 6152

Dpa elastic (mt2)
Cross Section

61-Pm-148
-50.75 To 16.73 %



31

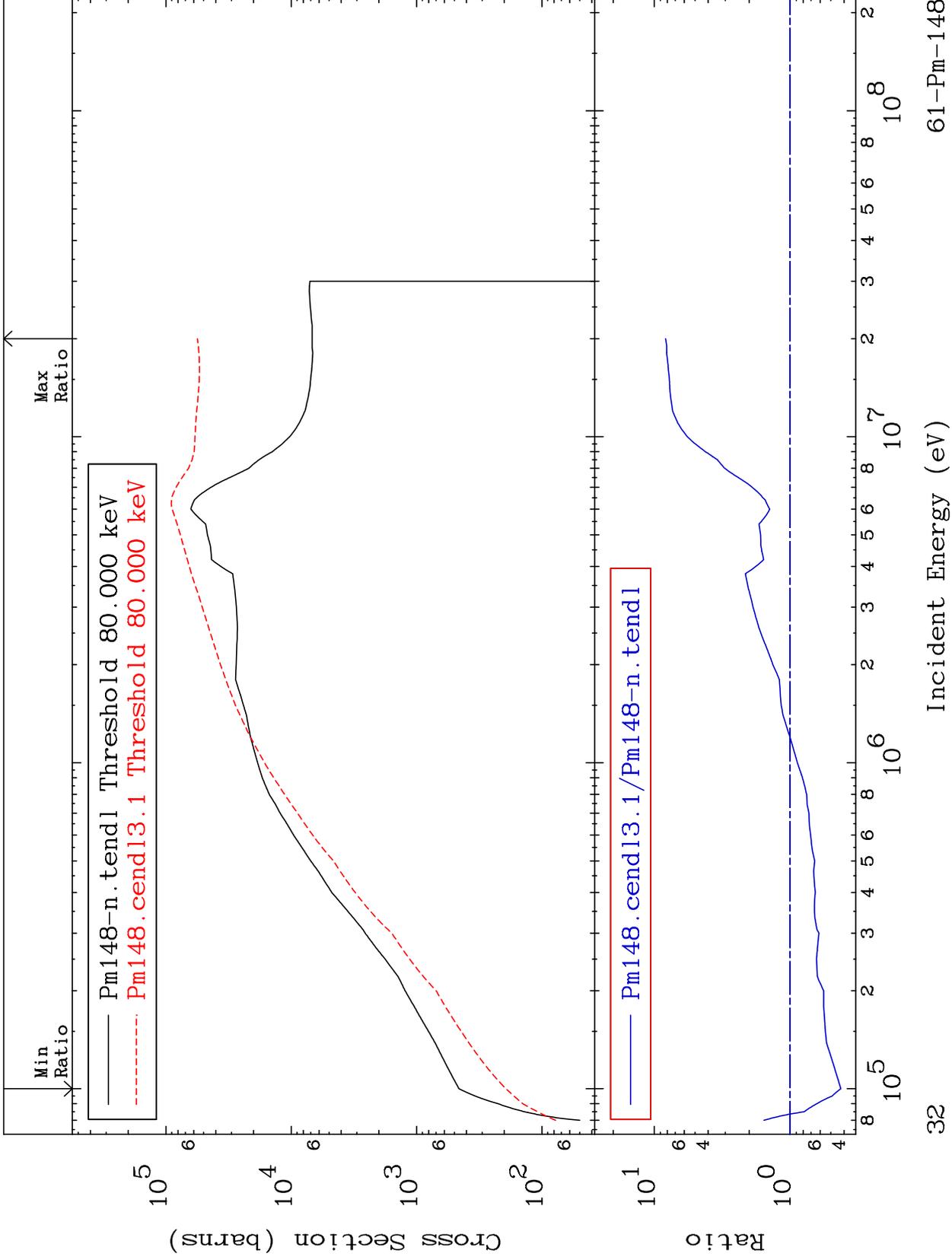
Incident Energy (eV)

61-Pm-148

MAT 6152

Dpa inelastic (mt51-91)
Cross Section

61-Pm-148
-57.75 To 725.2 %



MAT 6152

Dpa disappearance (mt102 -120)
Cross Section

61-Pm-148
-63.77 To 9999. %

