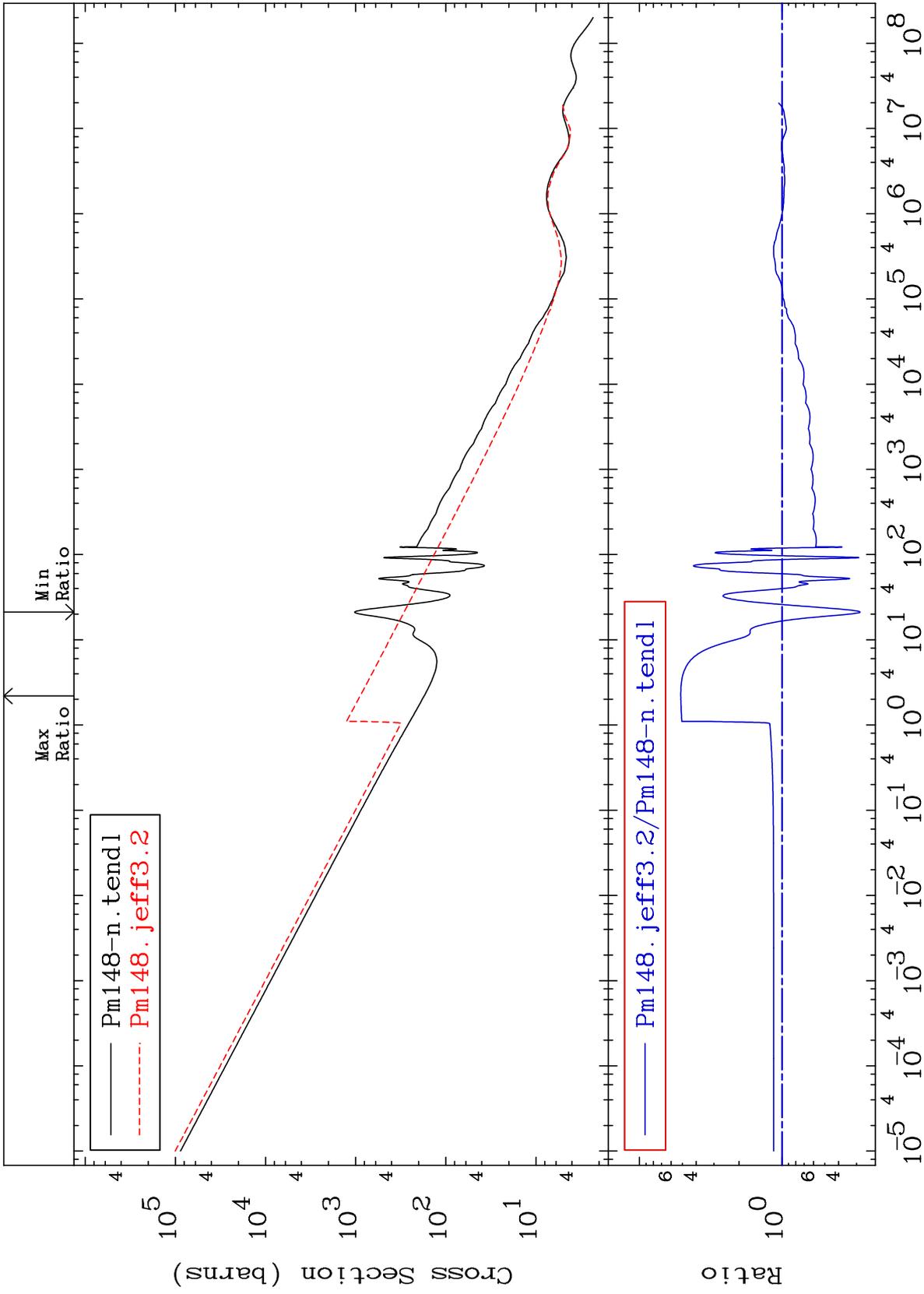


MAT 6152

Total Cross Section
61-Pm-148
-71.70 To 413.0 %



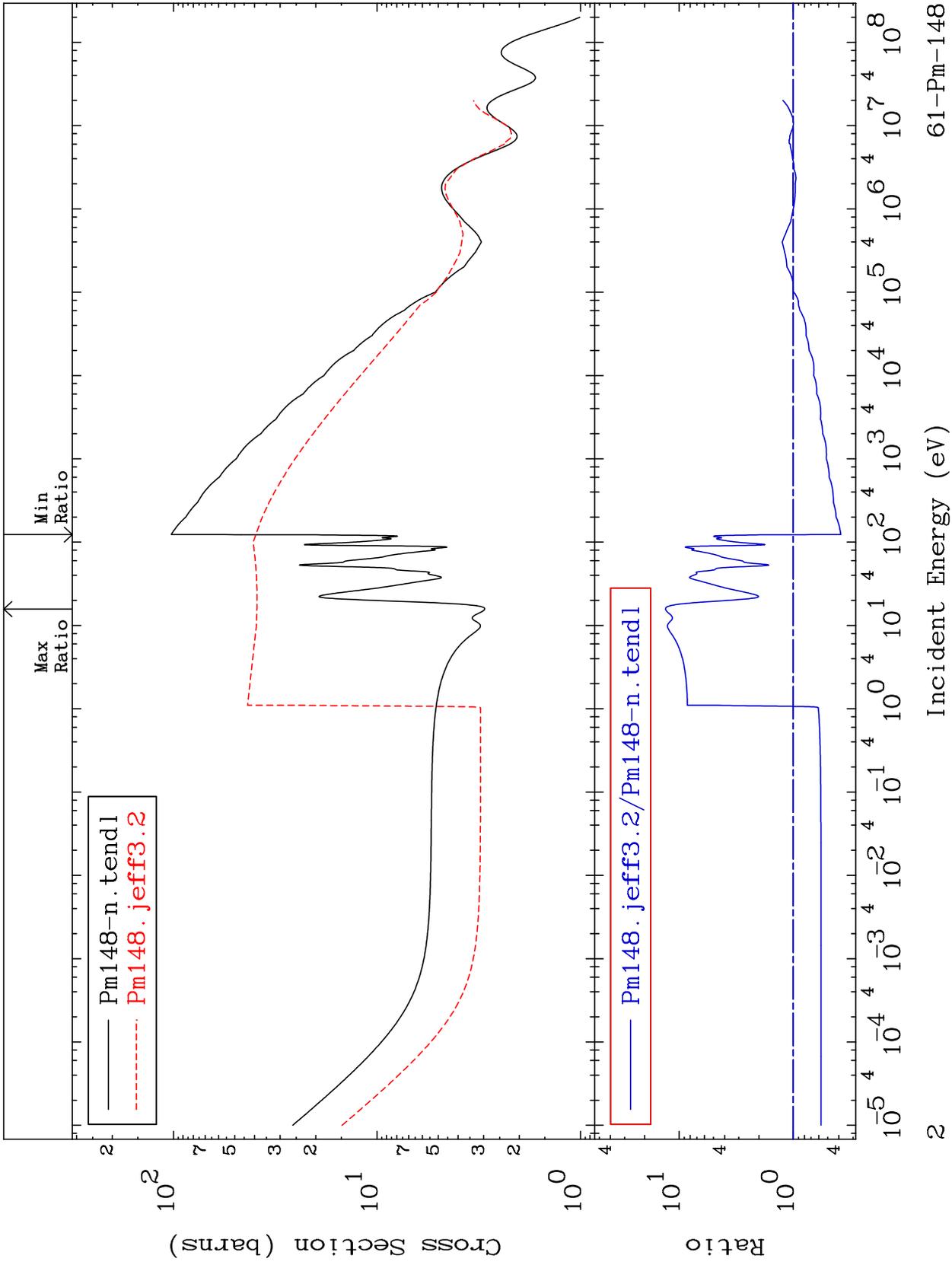
Incident Energy (eV)

61-Pm-148

MAT 6152

61-Pm-148
-61.61 To 1216. %

Elastic
Cross Section

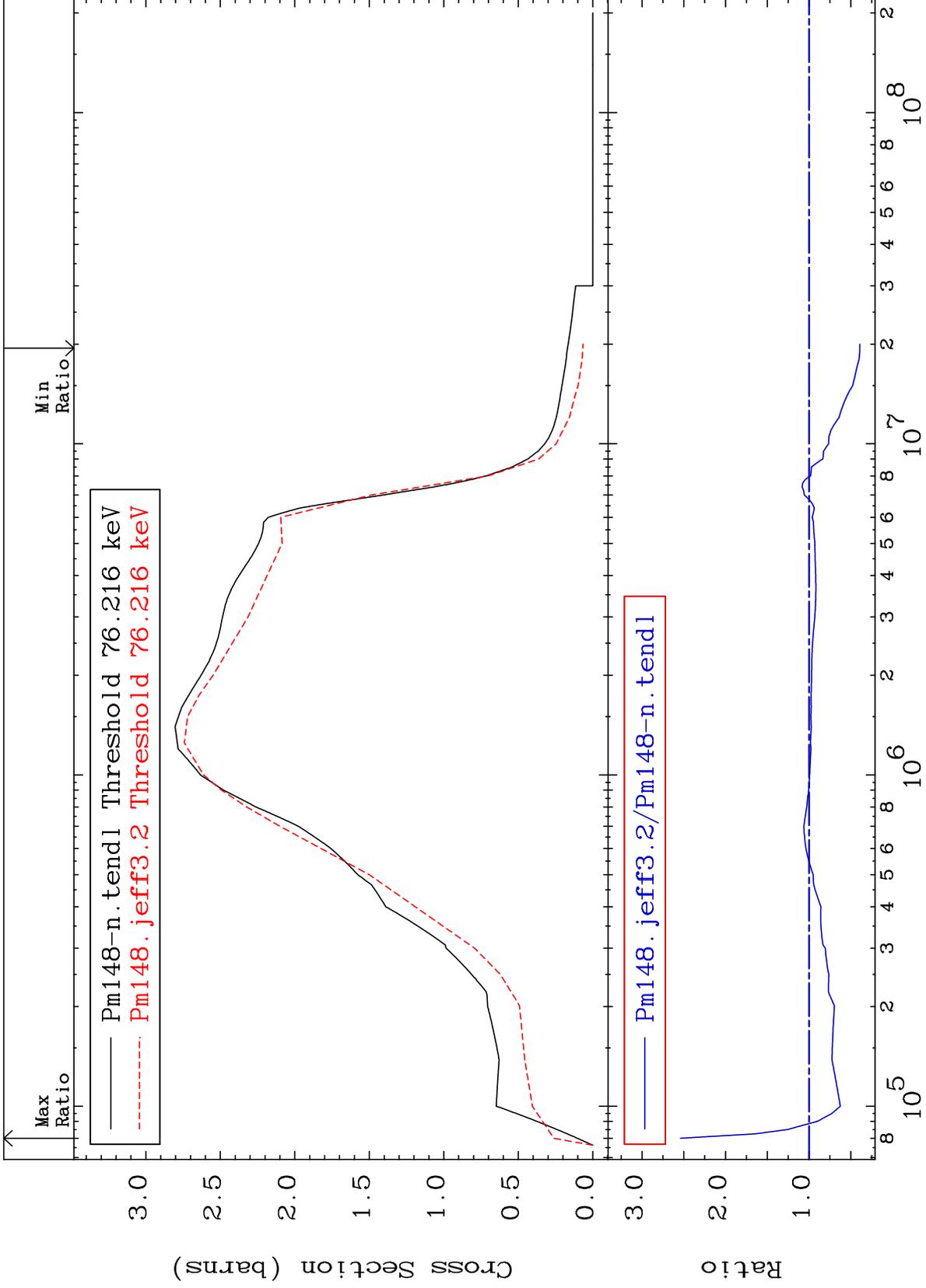


61-Pm-148

MAT 6152

Inelastic
Cross Section

61-Pm-148
-60.73 To 153.9 %



3

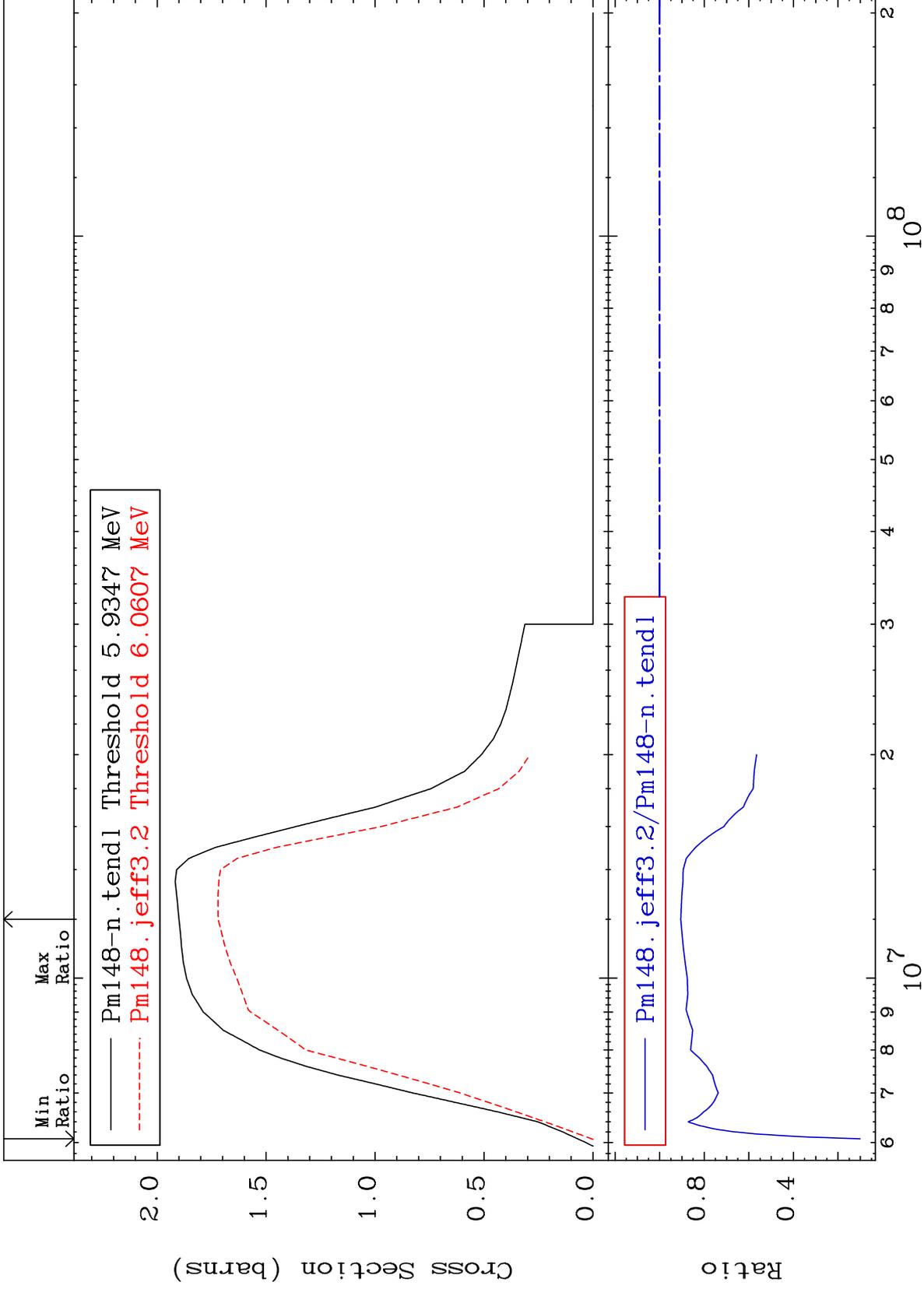
Incident Energy (eV)

61-Pm-148

MAT 6152

(n,2n)
Cross Section

61-Pm-148
-89.89 To -9.458%



4

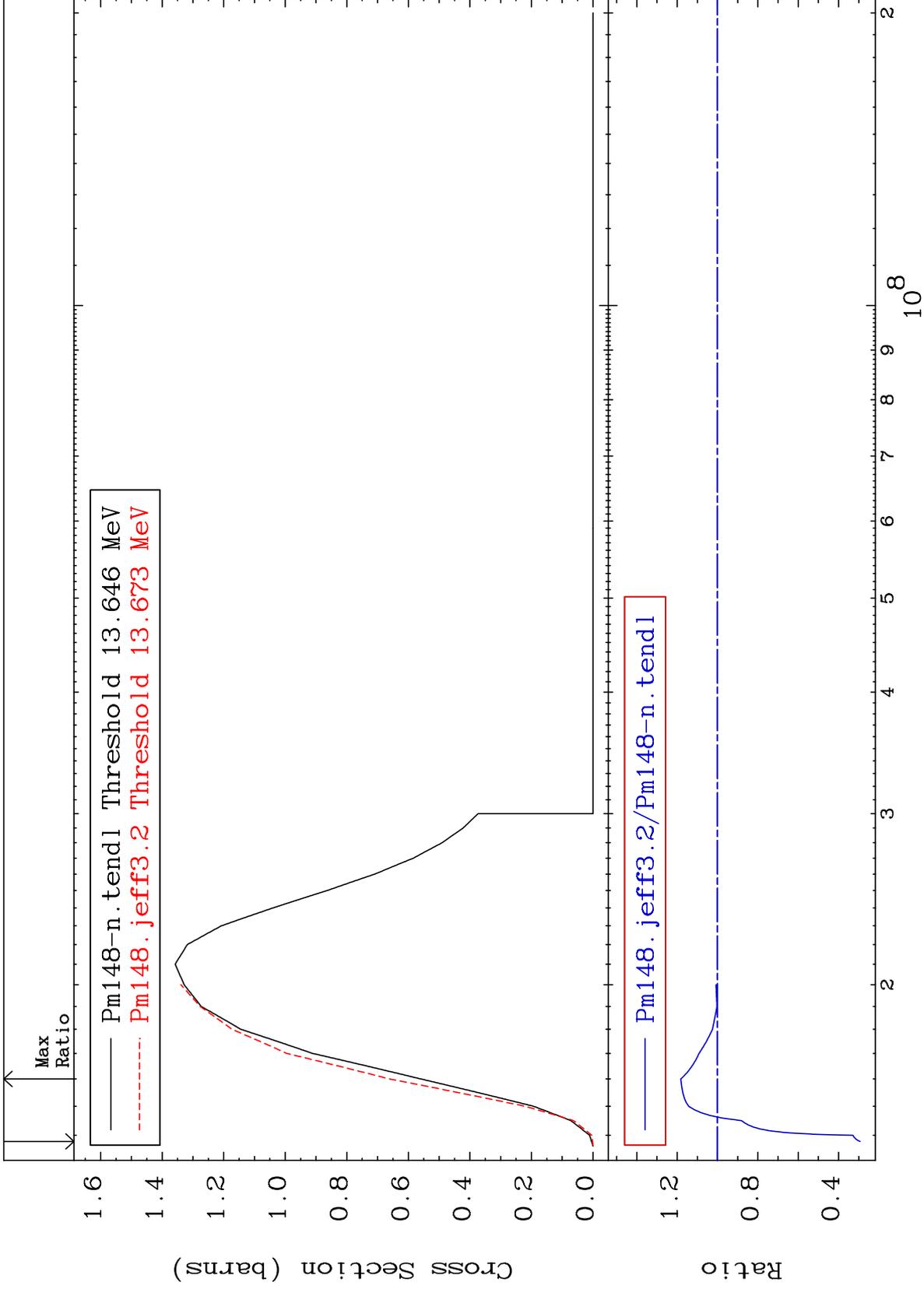
Incident Energy (eV)

61-Pm-148

MAT 6152

(n,3n)
Cross Section

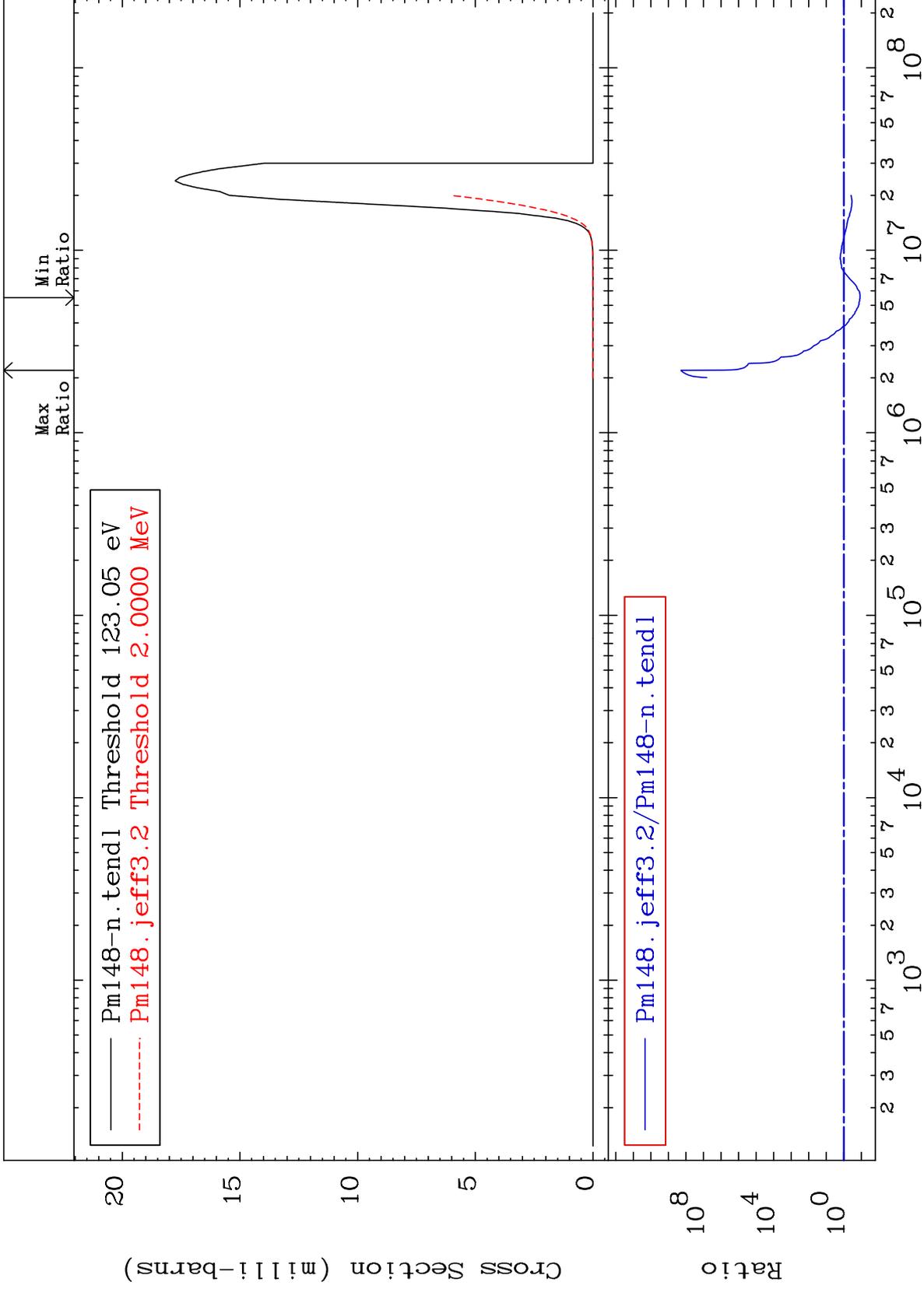
61-Pm-148
-70.67 To 18.21 %



MAT 6152

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

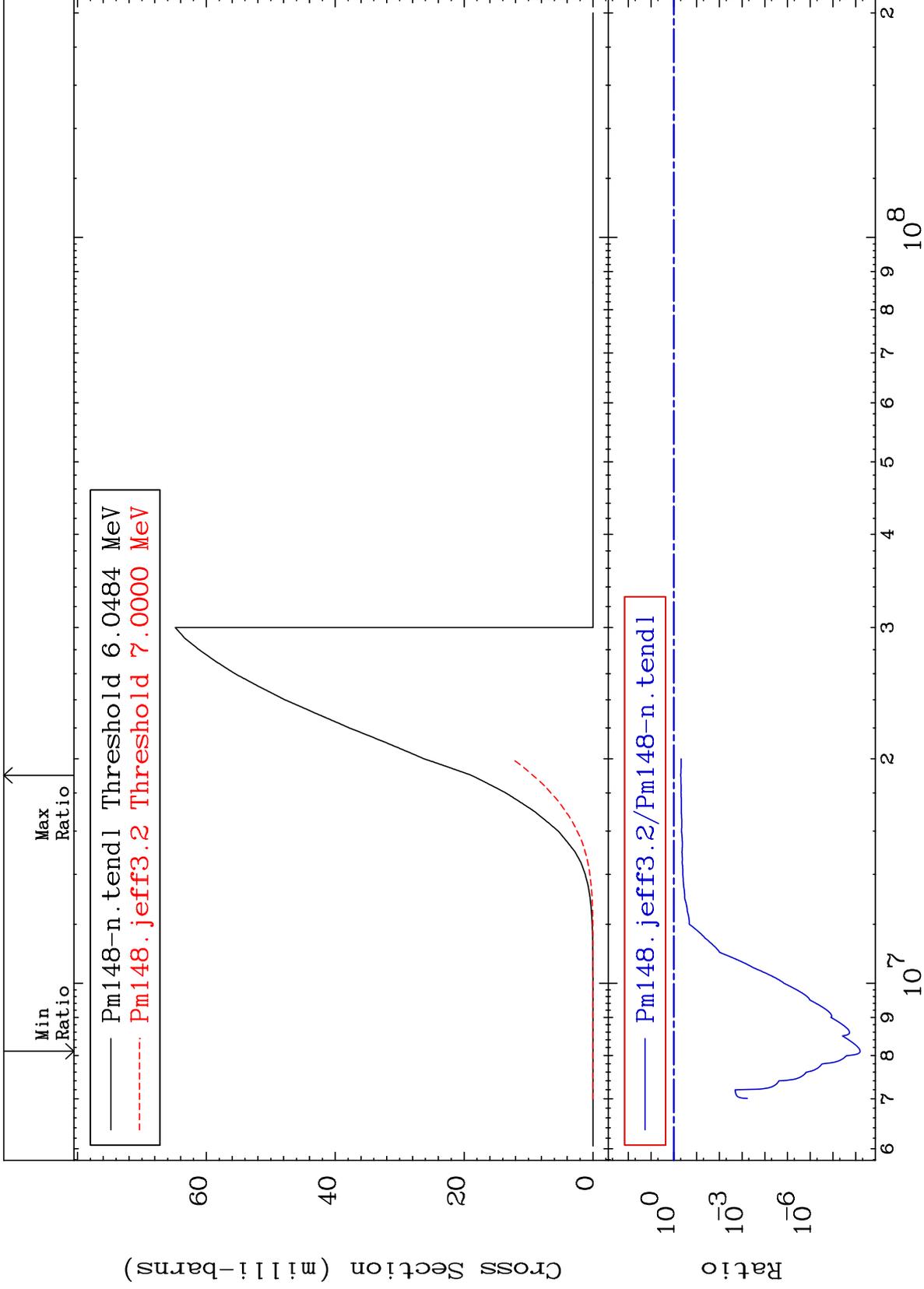
61-Pm-148
-88.13 To 9999. %



MAT 6152

(n,n') p
Cross Section

61-Pm-148
-100.0 To -50.44%



7

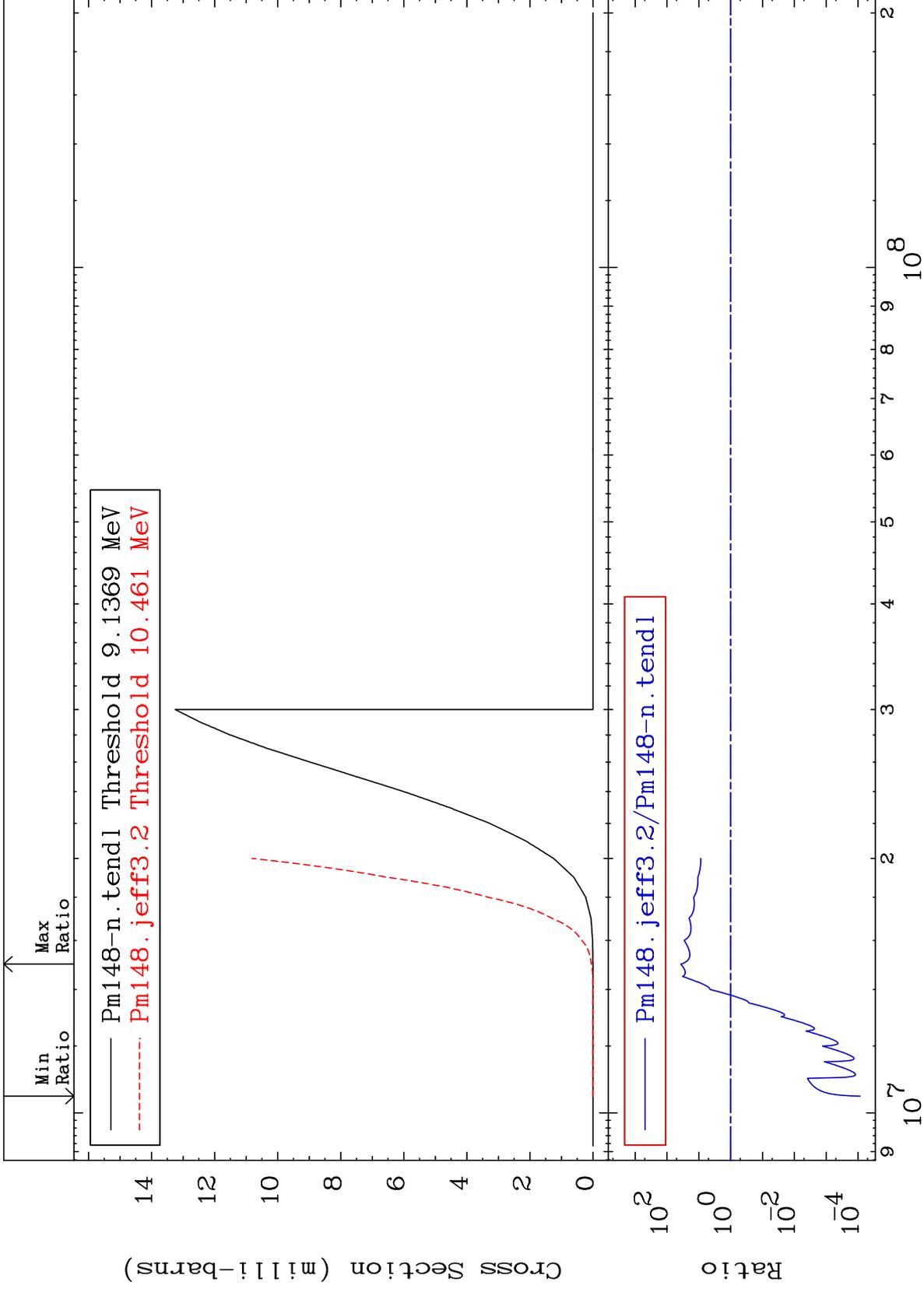
61-Pm-148

61-Pm-148

MAT 6152

(n, n') d
Cross Section

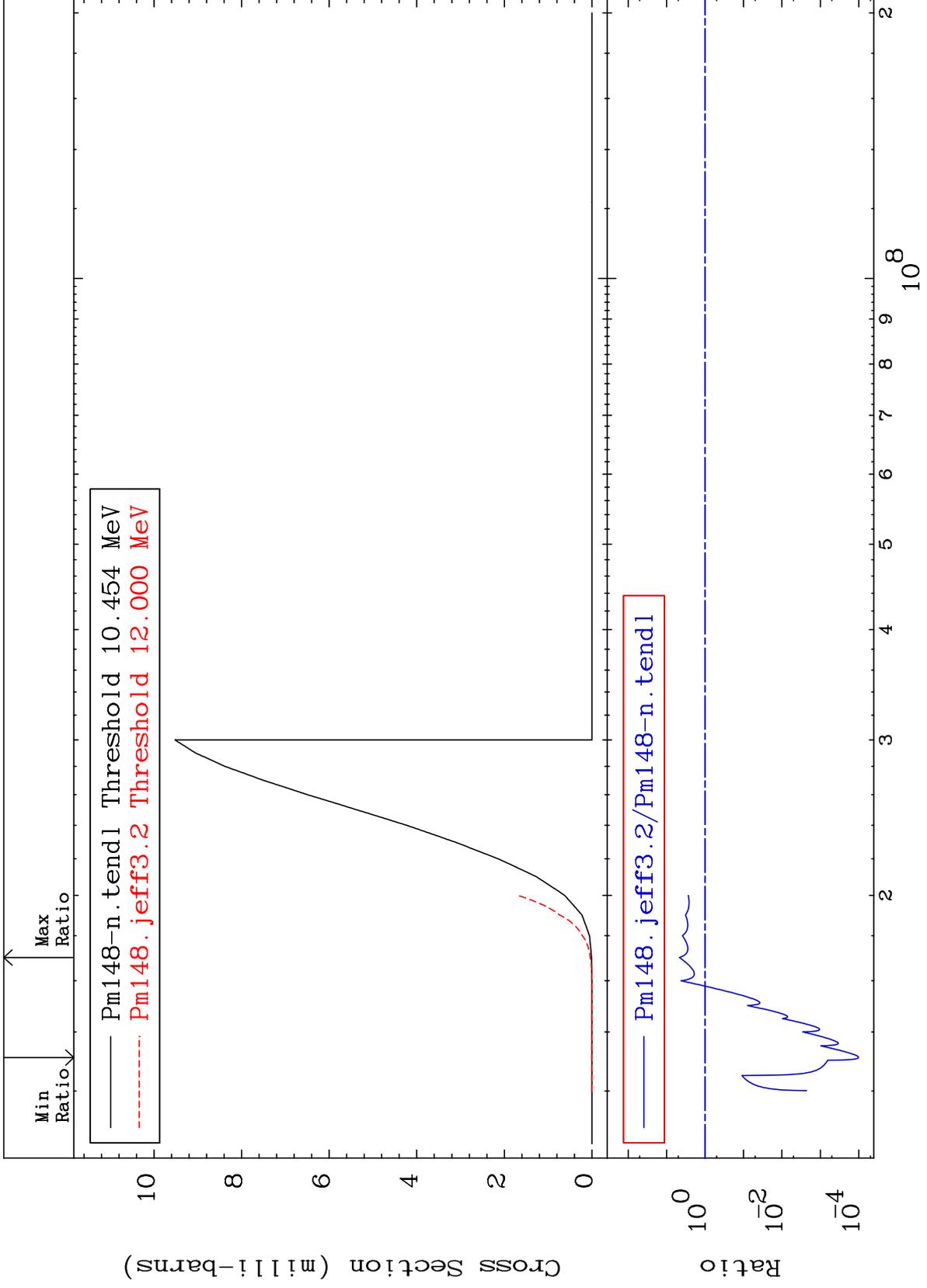
61-Pm-148
-99.99 To 3593. %



8

Incident Energy (eV)

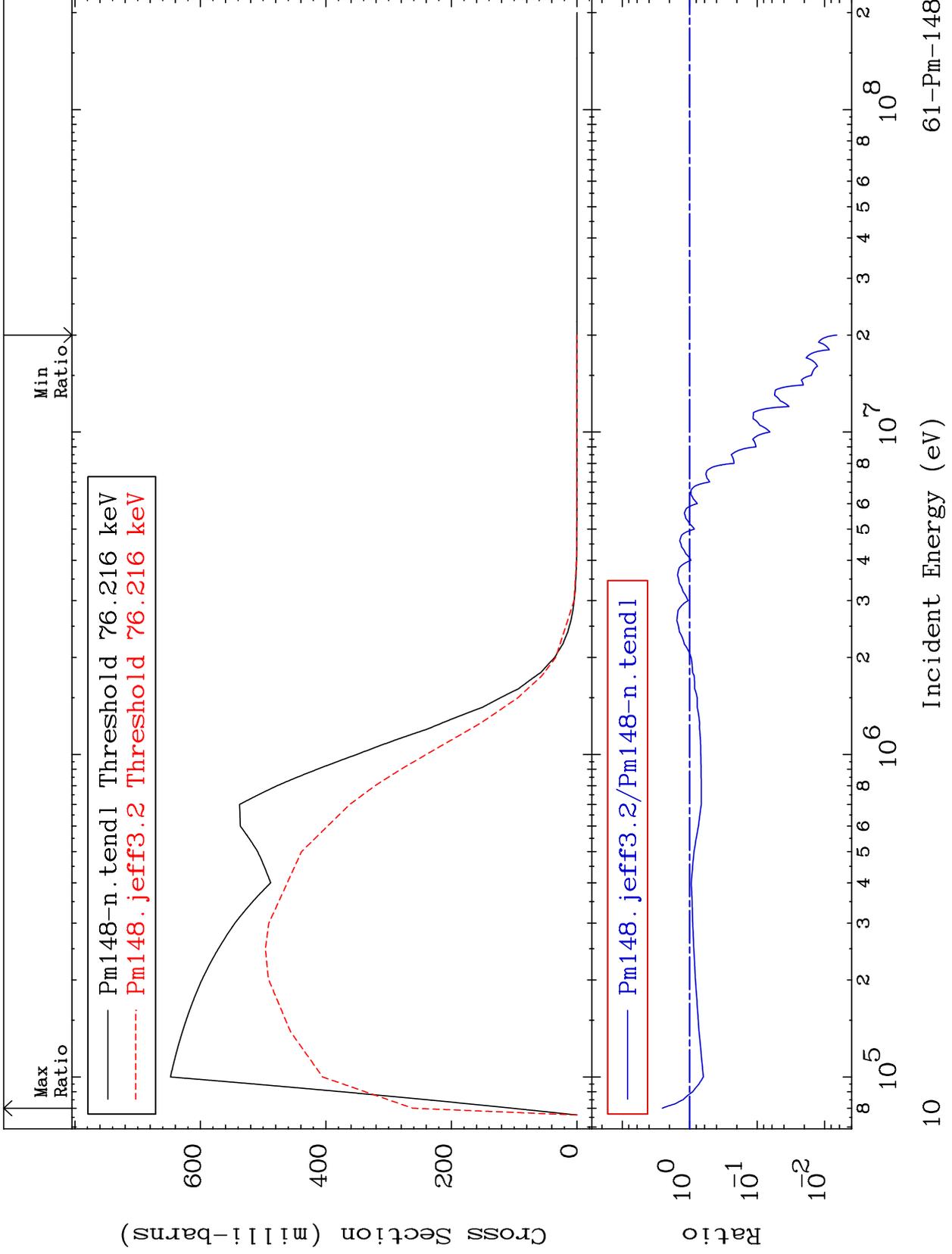
61-Pm-148



MAT 6152

75.70 keV (n,n') Level
Cross Section

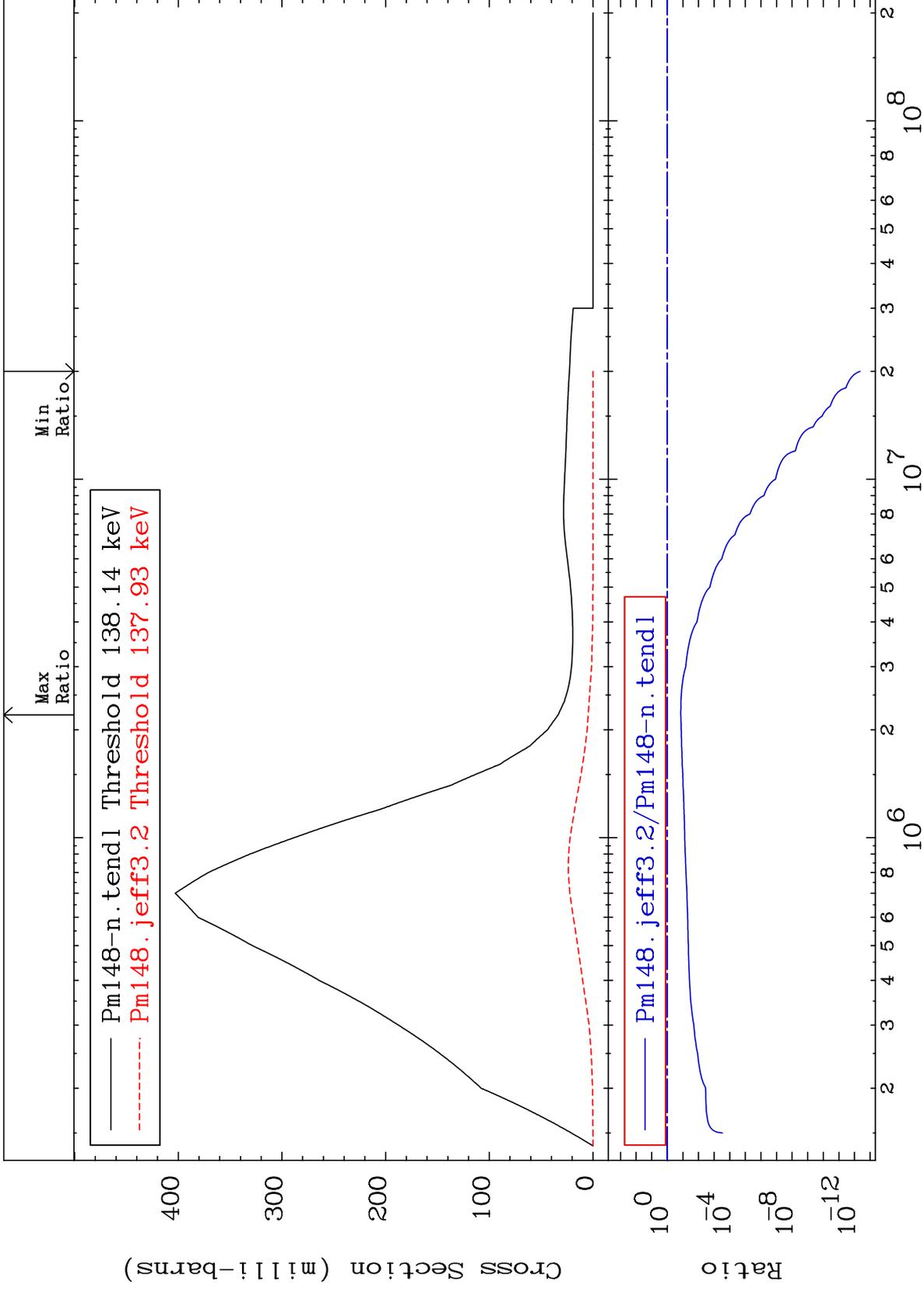
61-Pm-148
-99.34 To 153.9 %



MAT 6152

137.2 keV (n,n') Level
Cross Section

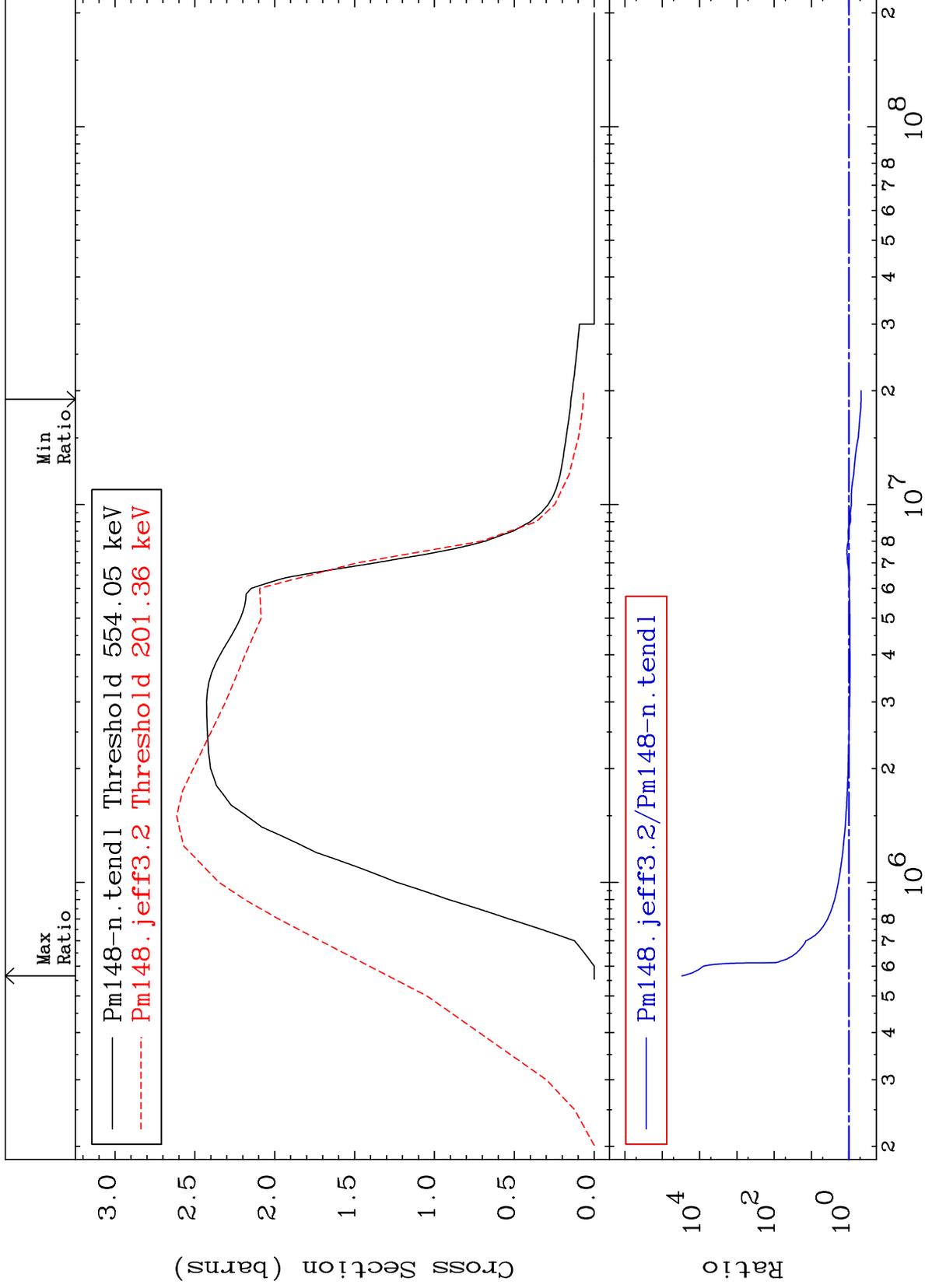
61-Pm-148
-100.0 To -86.25%



MAT 6152

(n, n') Continuum
Cross Section

61-Pm-148
-53.11 To 9999. %



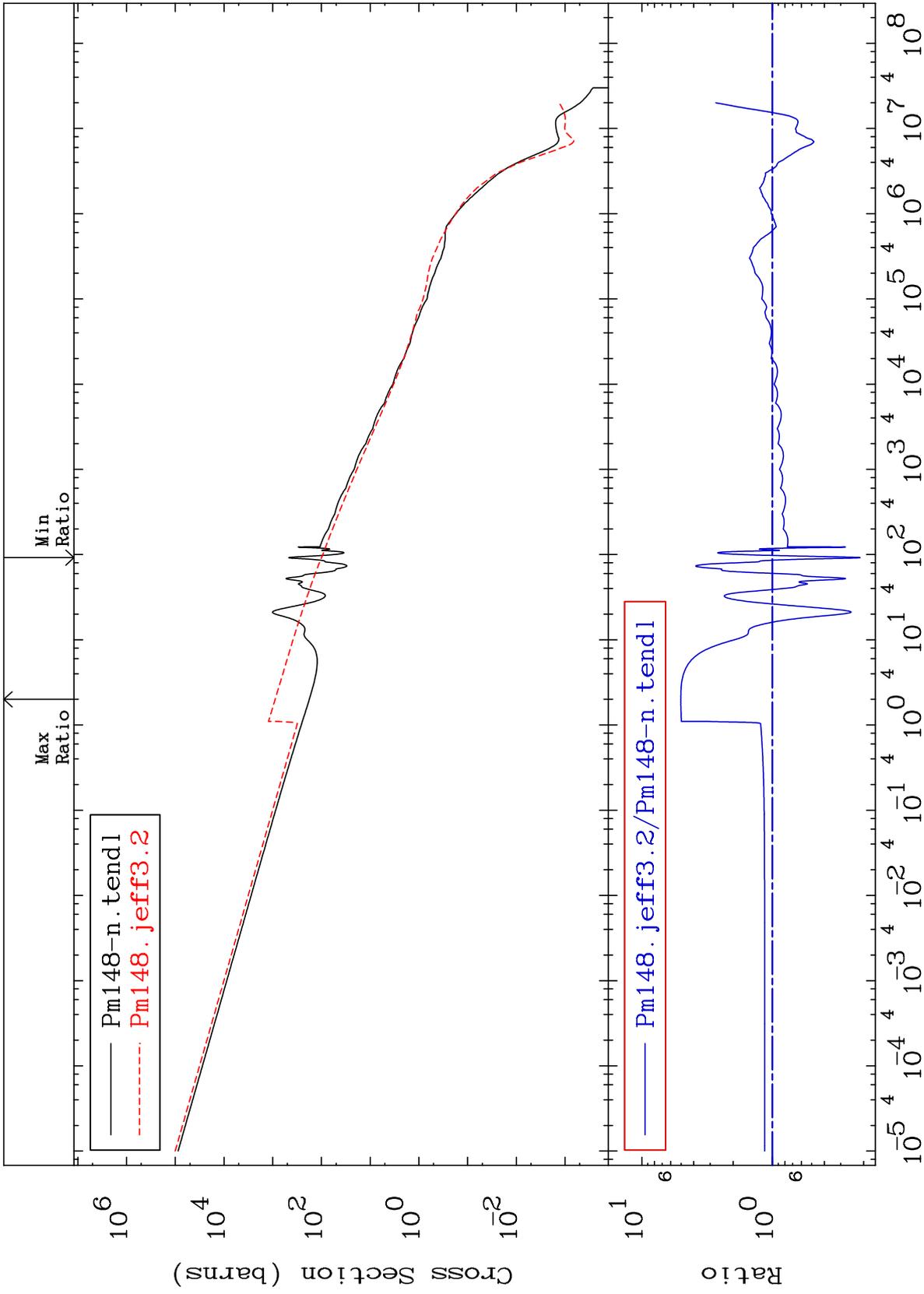
12

61-Pm-148

61-Pm-148

MAT 6152

61-Pm-148
-78.72 To 403.1 %



61-Pm-148

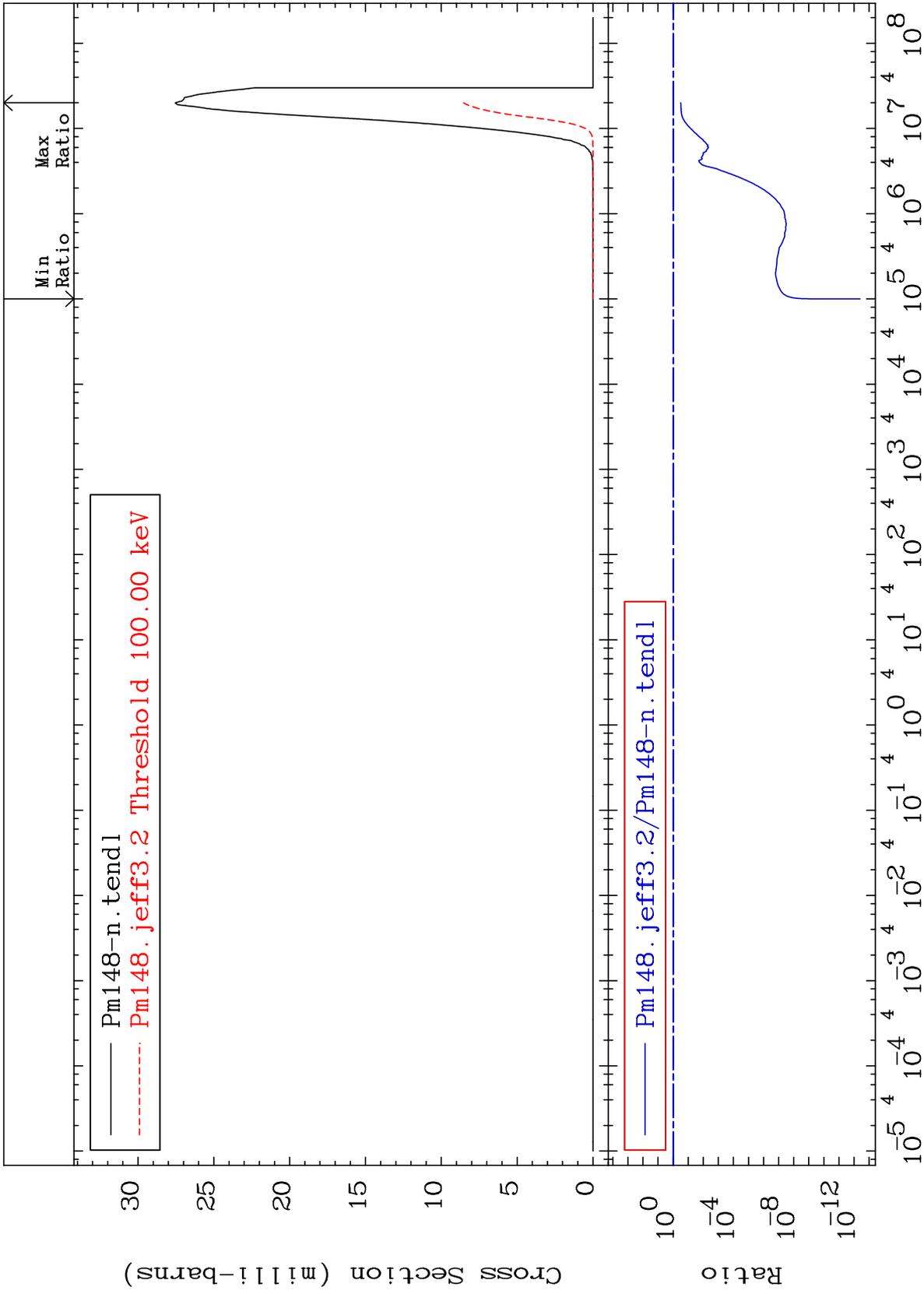
Incident Energy (eV)

13

MAT 6152

(n,p)
Cross Section

61-Pm-148
-100.0 To -68.97%



14

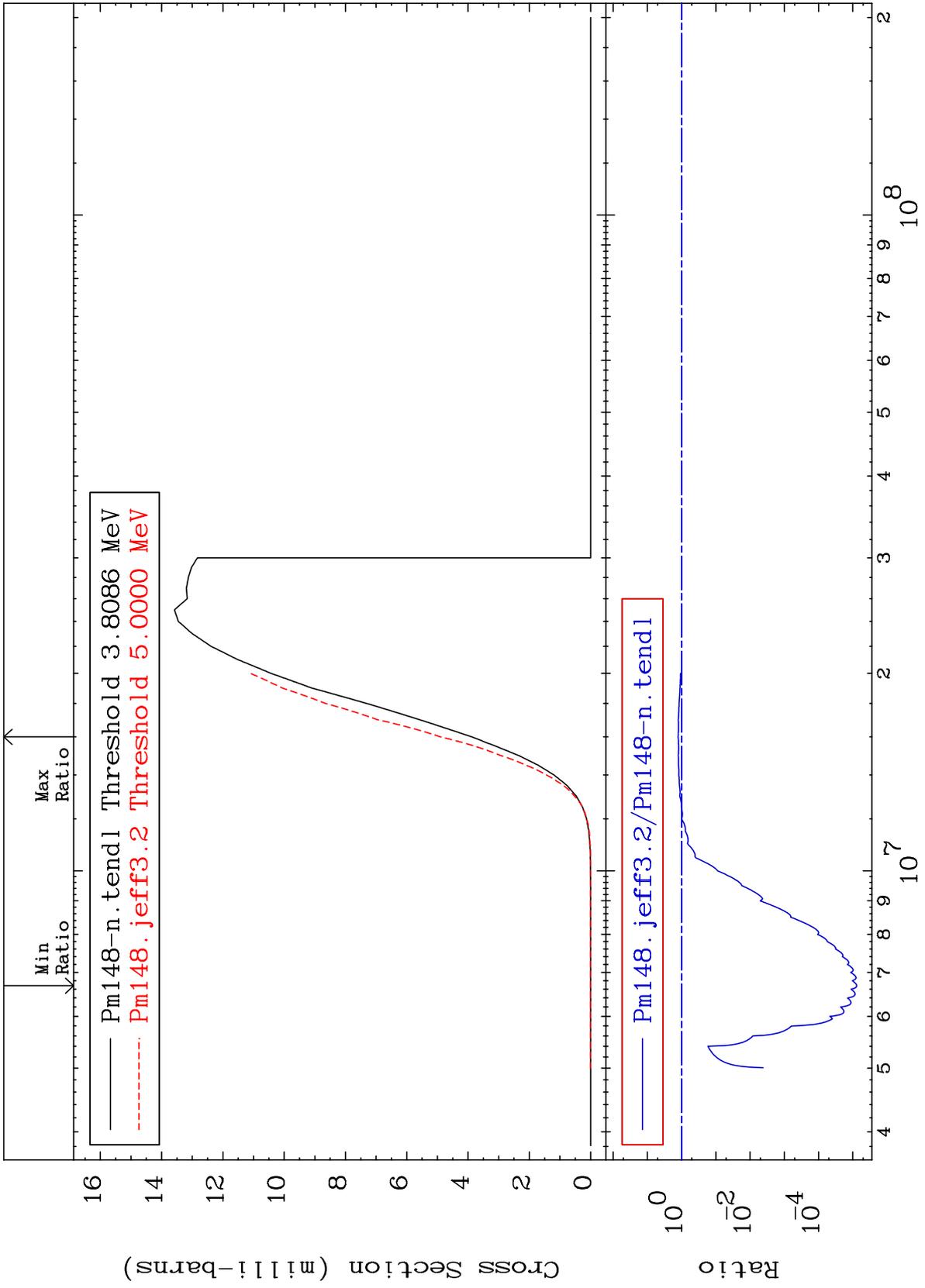
Incident Energy (eV)

61-Pm-148

MAT 6152

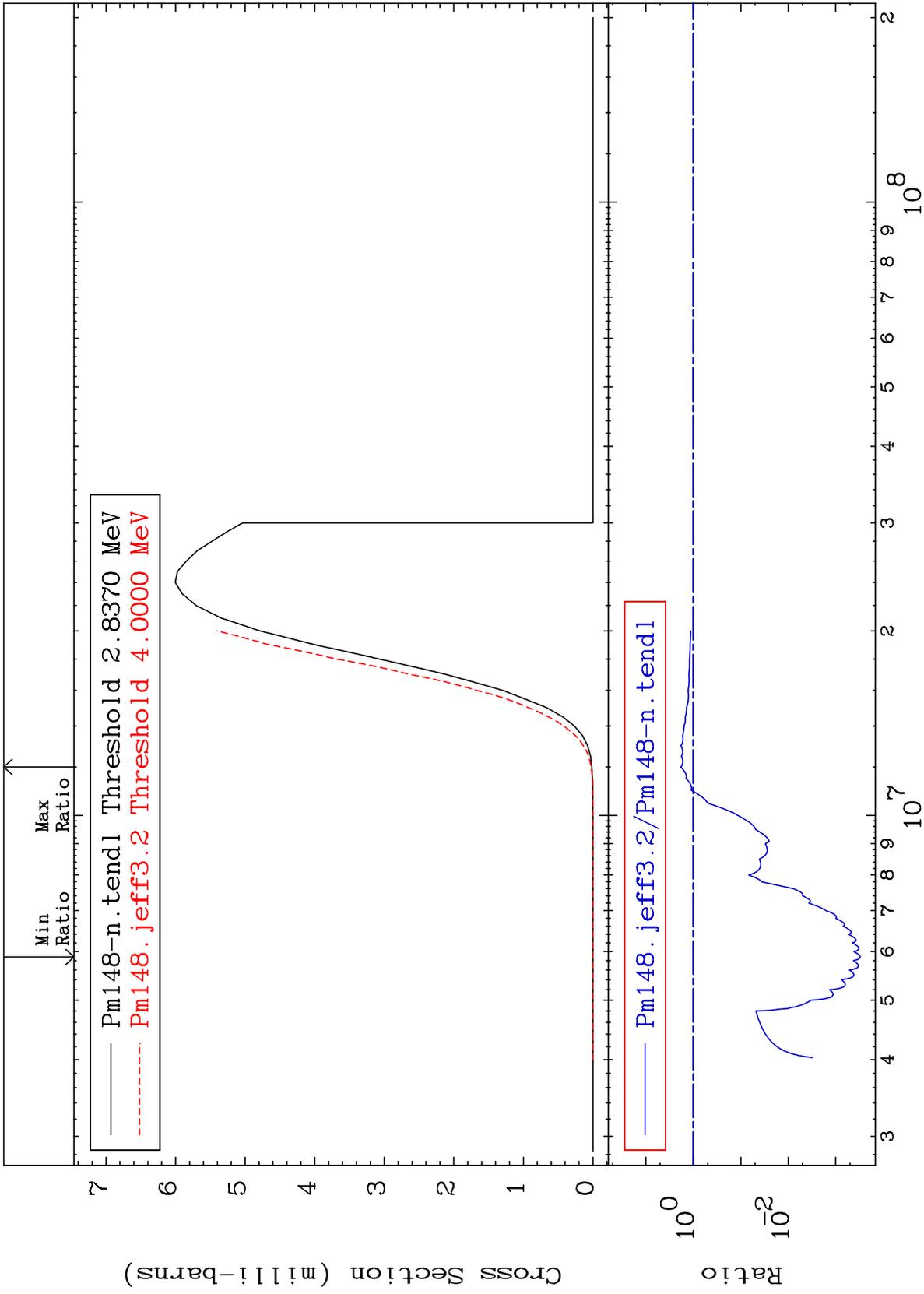
(n, d)
Cross Section

61-Pm-148
-100.0 To 26.26 %



MAT 6152

(n, t) Cross Section
61-Pm-148
-99.97 To 83.61 %



16

61-Pm-148

61-Pm-148

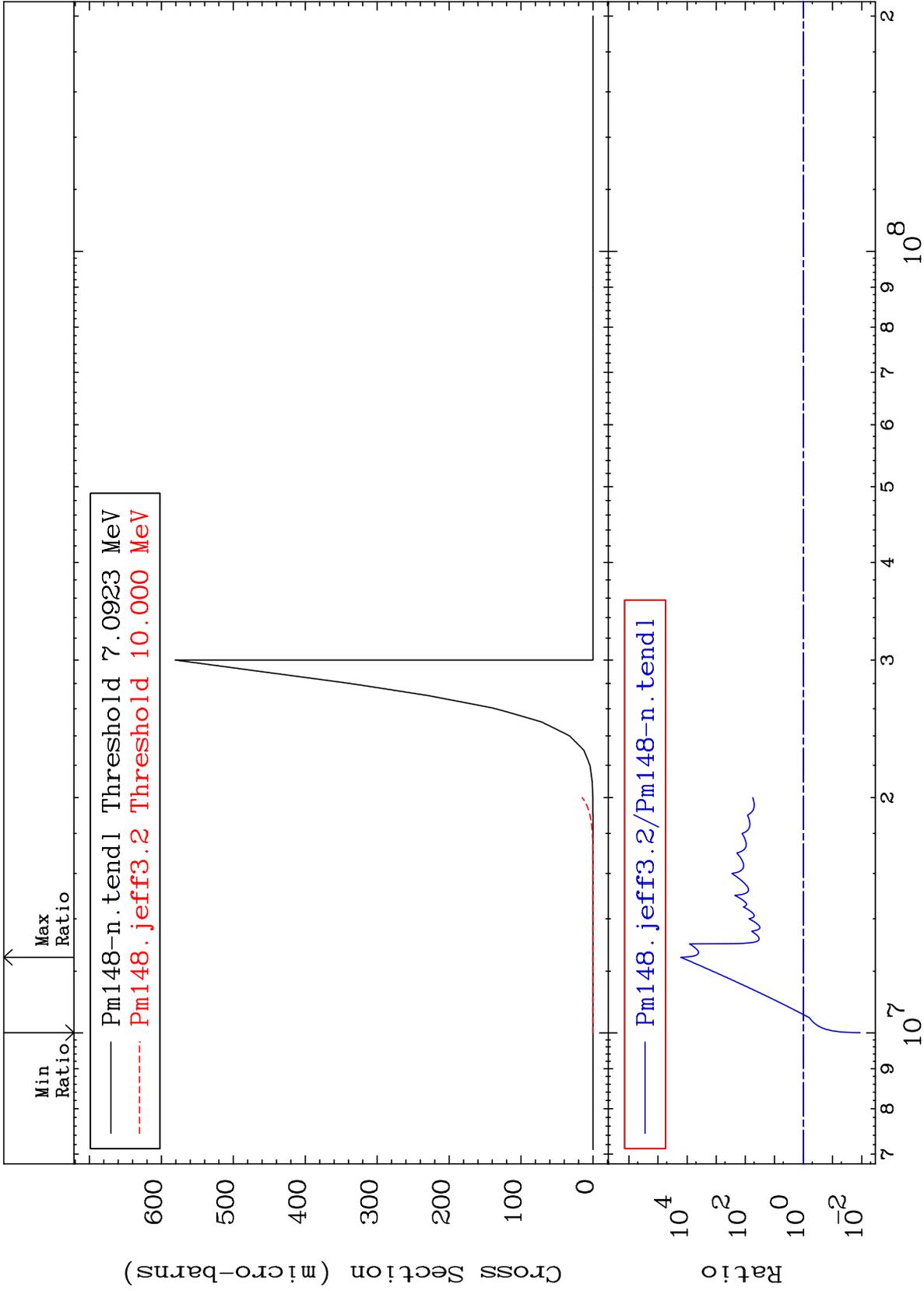
MAT 6152

(n, He-3)

61-Pm-148

Cross Section

-98.86 To 9999. %



17

Incident Energy (eV)

61-Pm-148

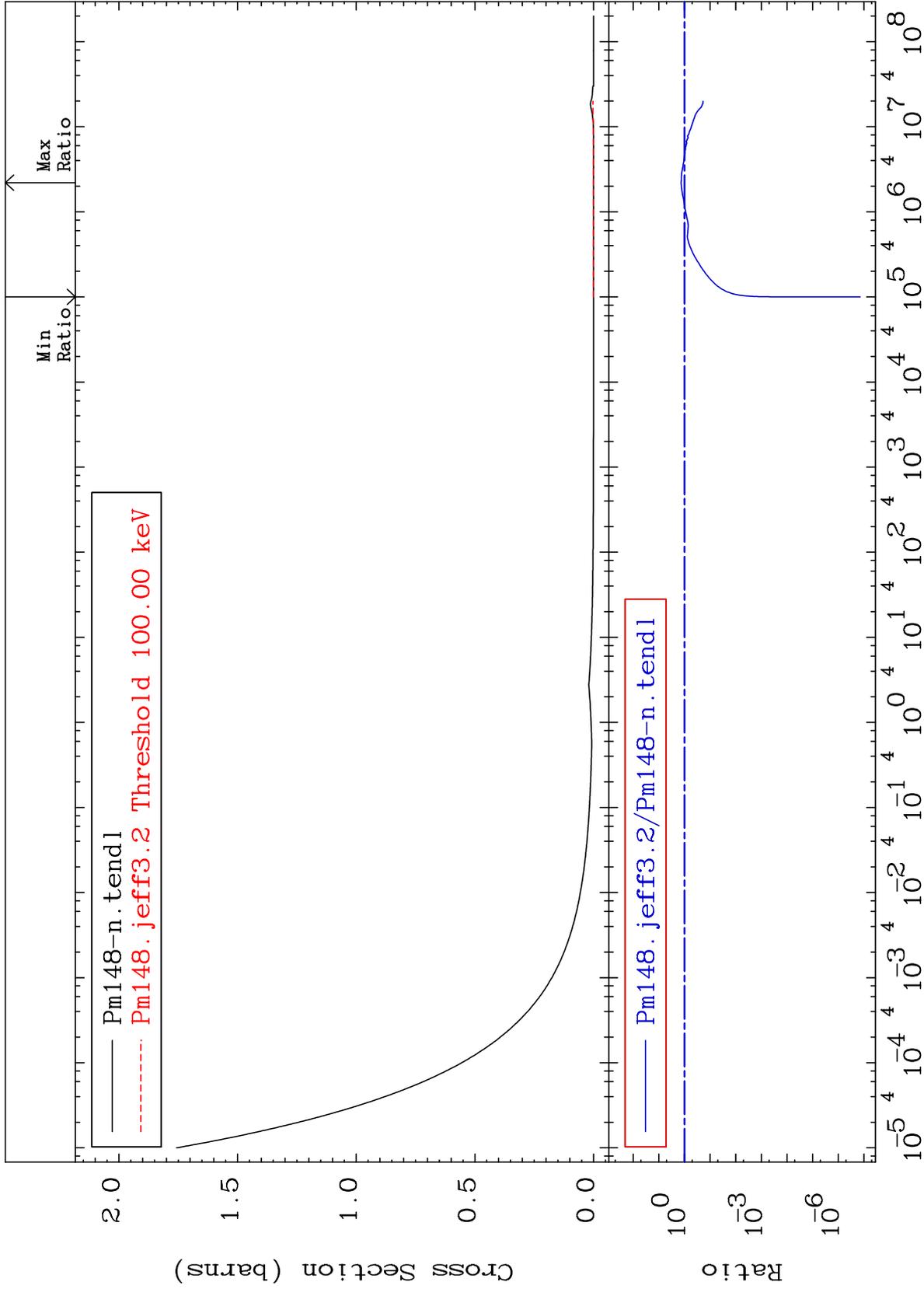
MAT 6152

(n, α)

61-Pm-148

Cross Section

-100.0 To 34.67 %



18

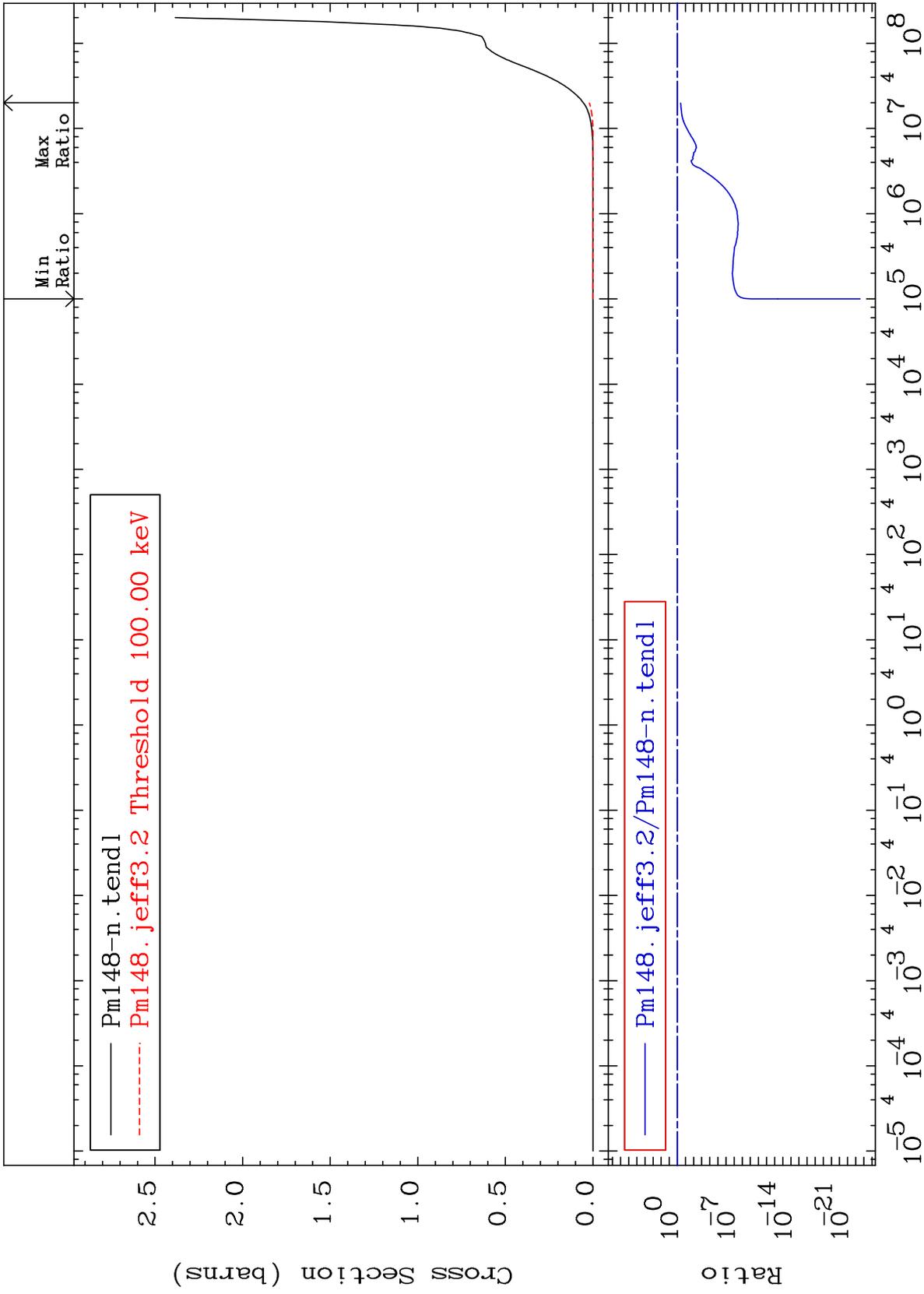
Incident Energy (eV)

61-Pm-148

MAT 6152

Hydrogen Production Cross Section

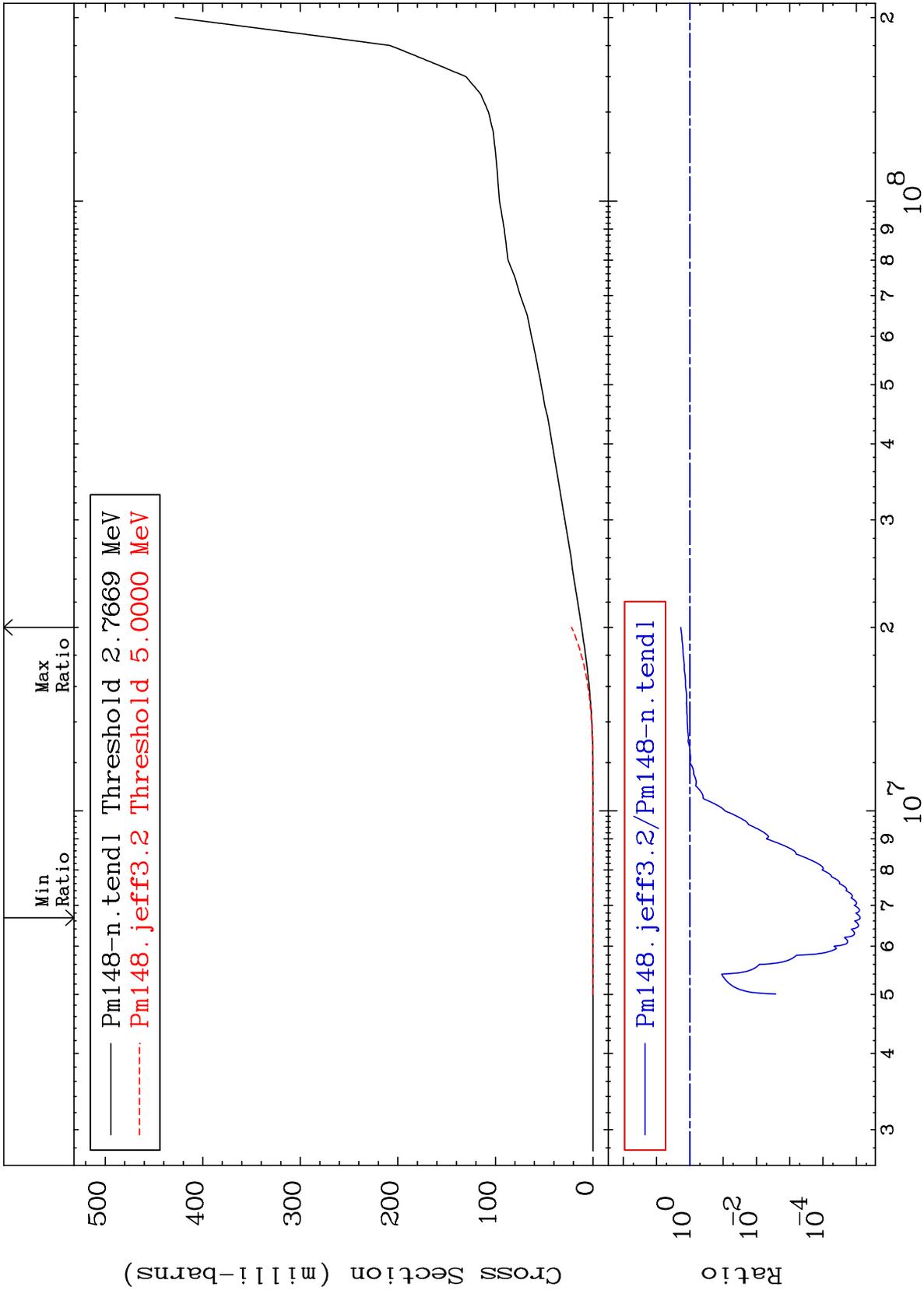
61-Pm-148
-100.0 To -61.73%



MAT 6152

Deuterium Production
Cross Section

61-Pm-148
-100.0 To 87.63 %



20

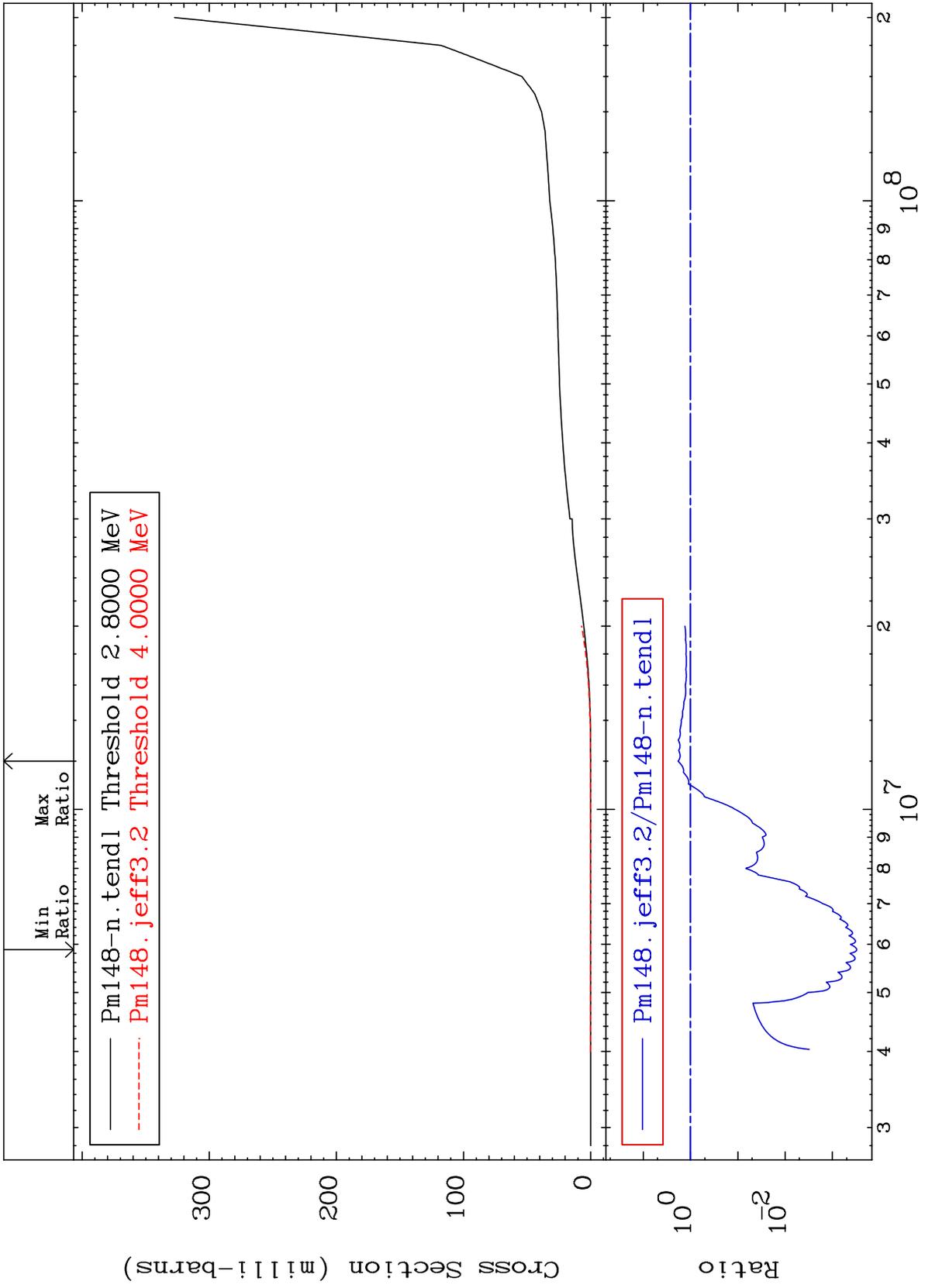
Incident Energy (eV)

61-Pm-148

MAT 6152

Tritium Production
Cross Section

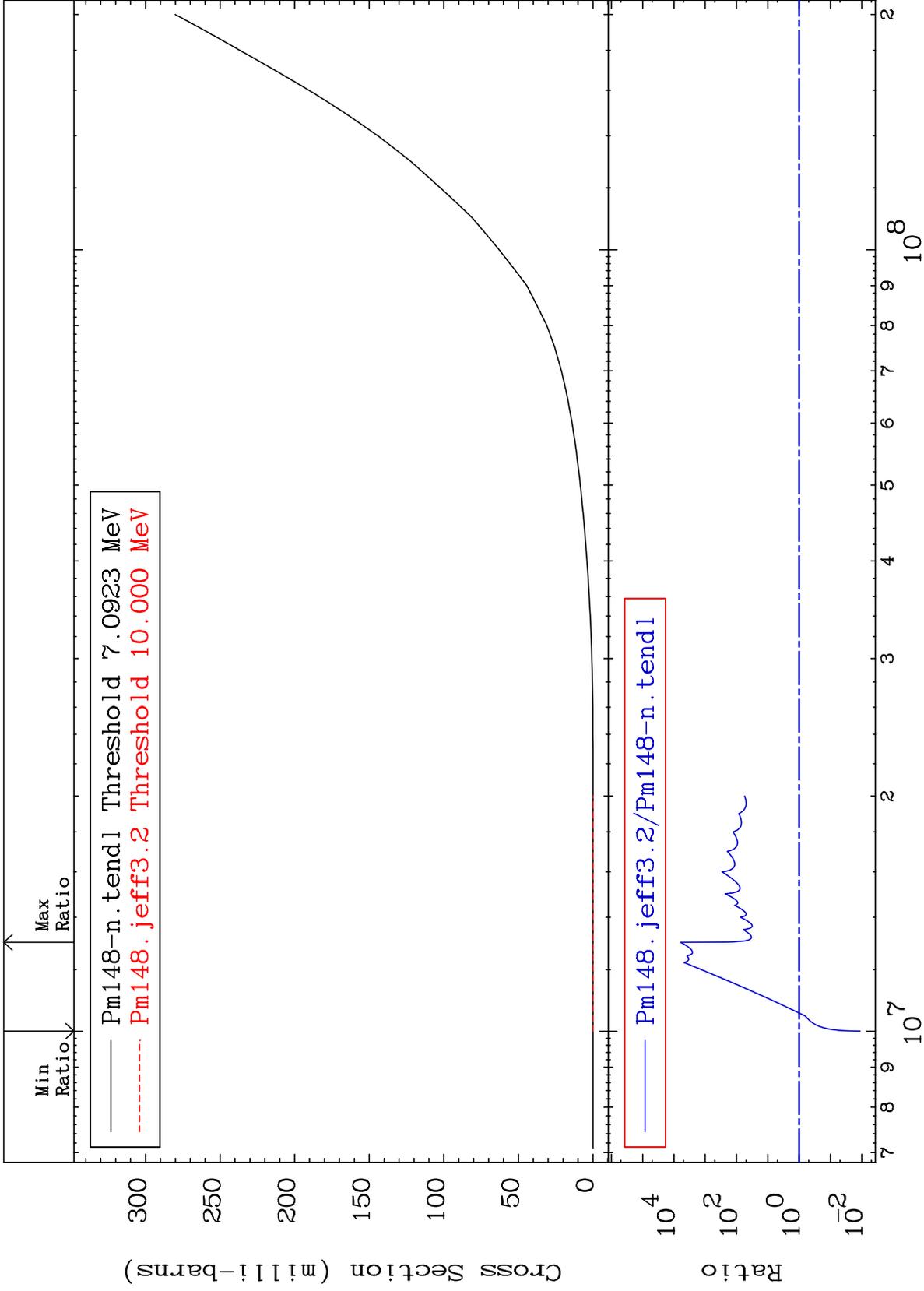
61-Pm-148
-99.97 To 83.61 %



MAT 6152

He-3 Production
Cross Section

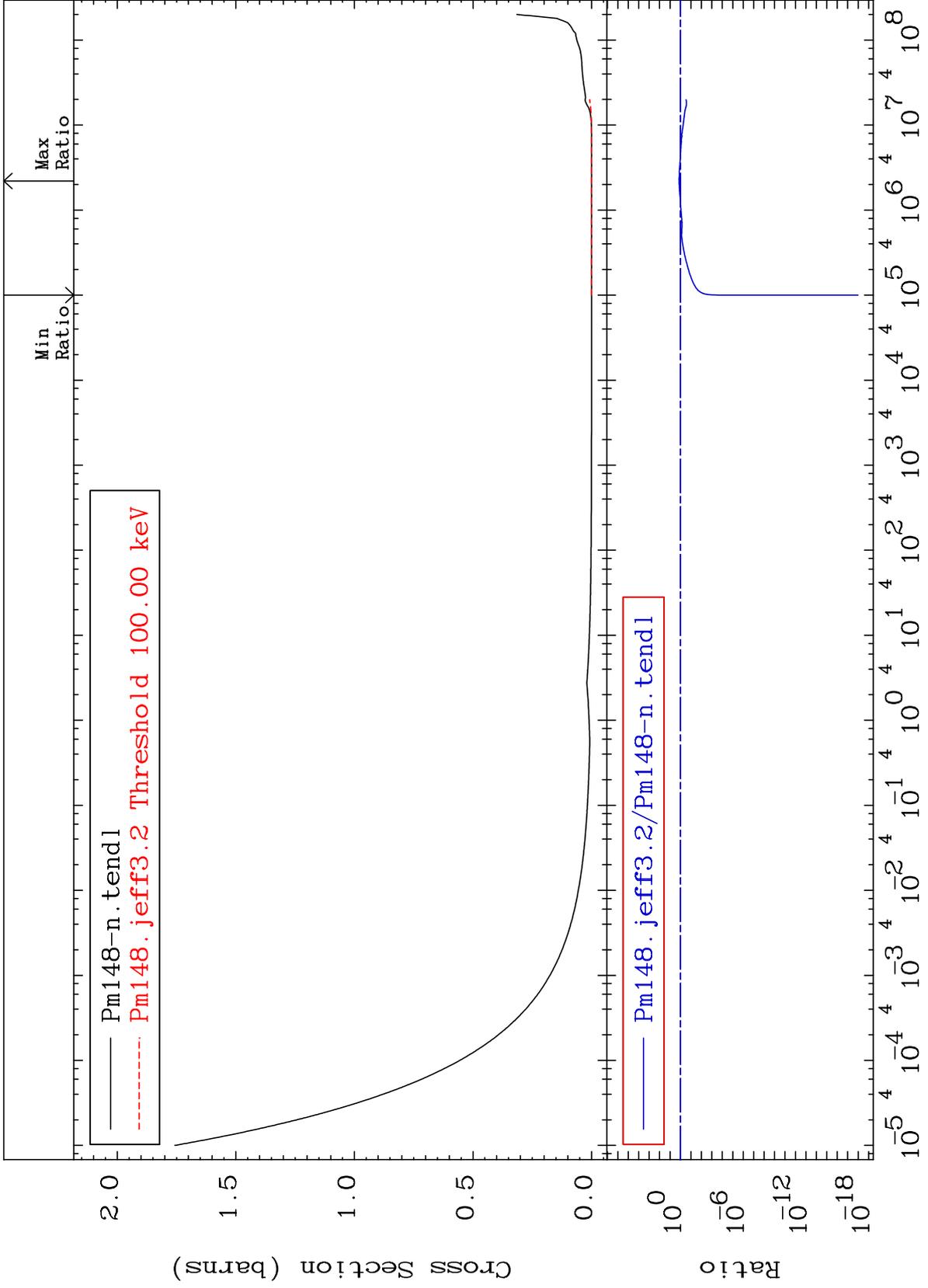
61-Pm-148
-98.86 To 9999. %



MAT 6152

He-4 Production
Cross Section

61-Pm-148
-100.0 To 34.67 %



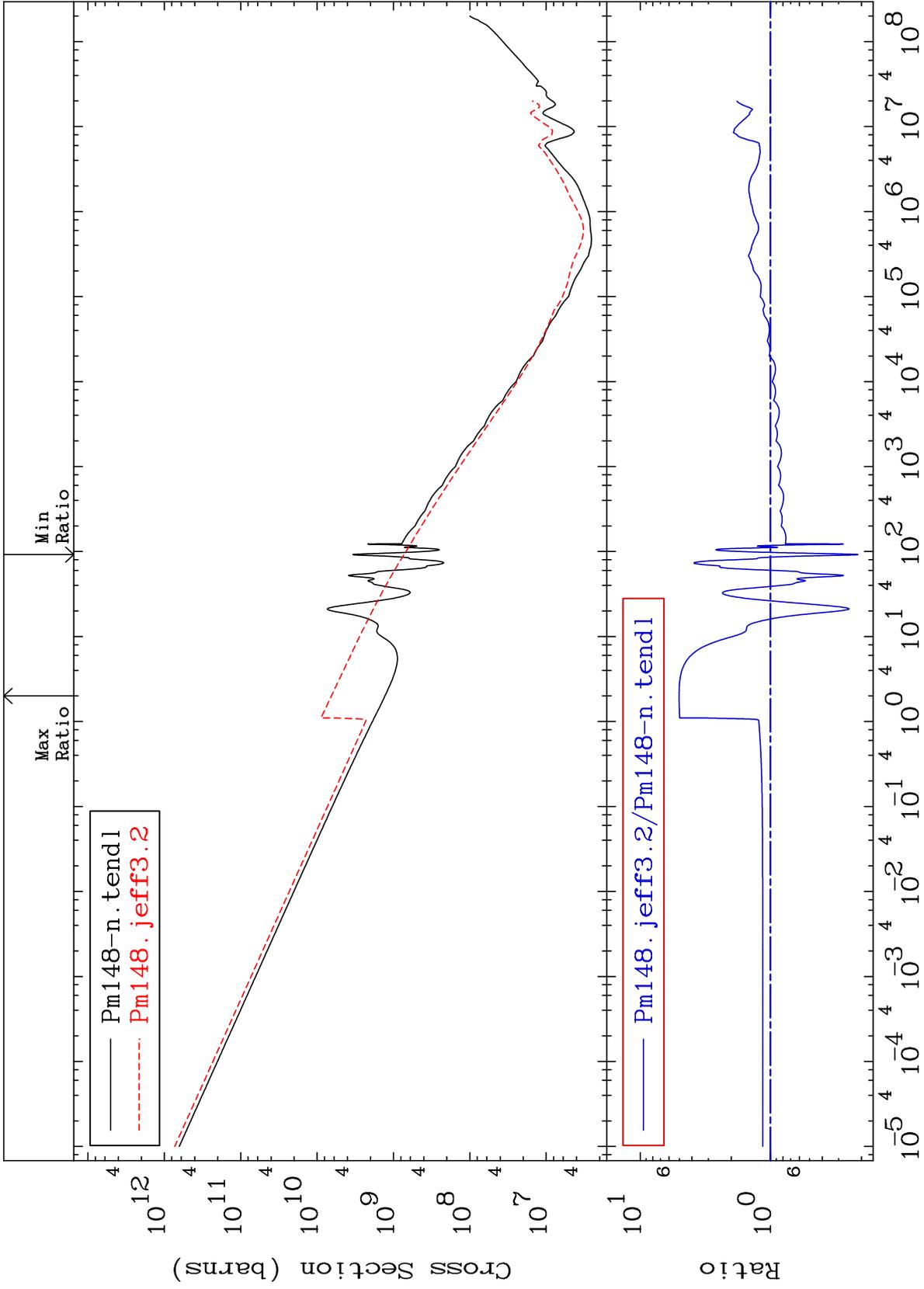
MAT 6152

Kerma total (eV-barns)

61-Pm-148

-78.72 To 403.1 %

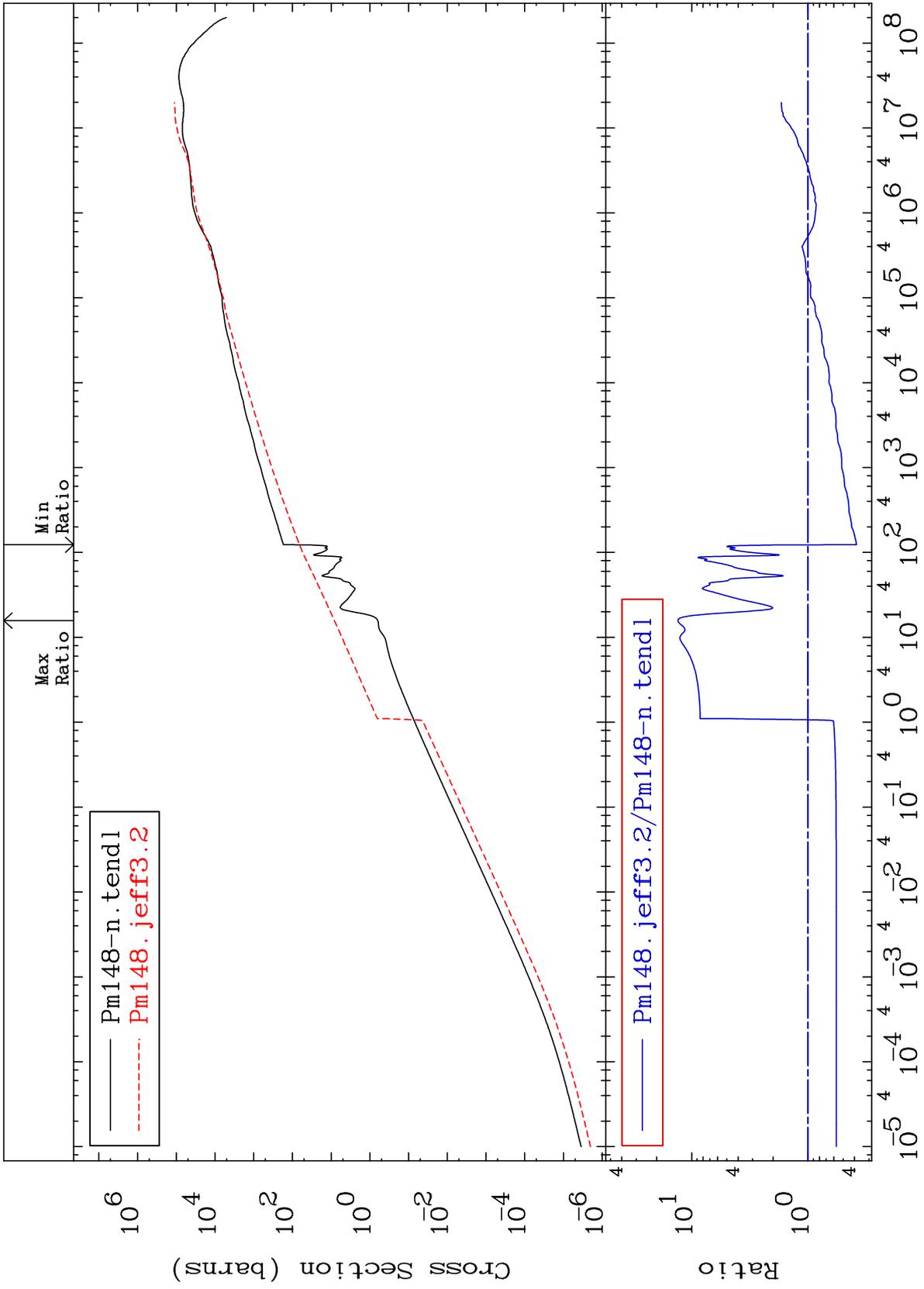
Cross Section

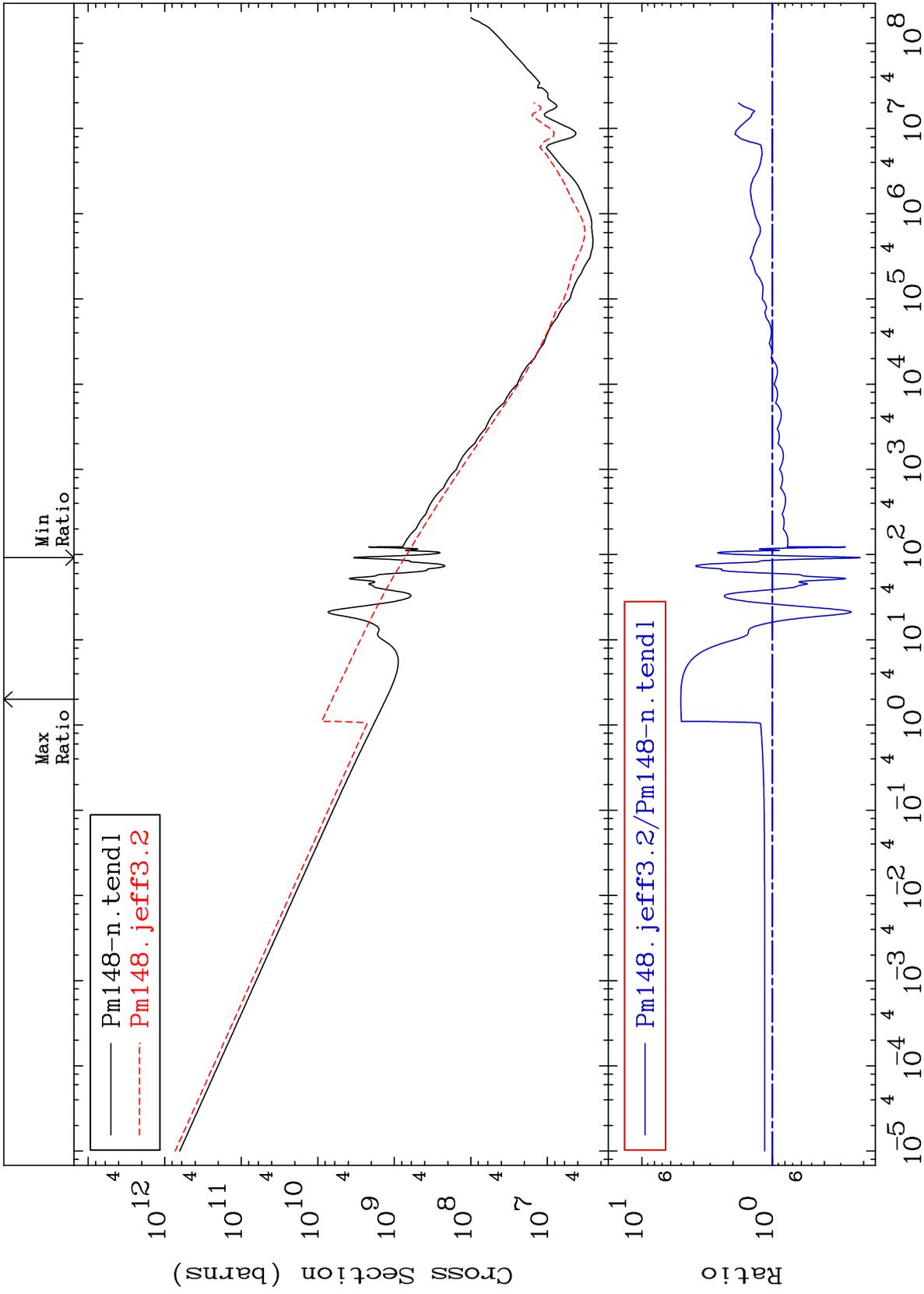


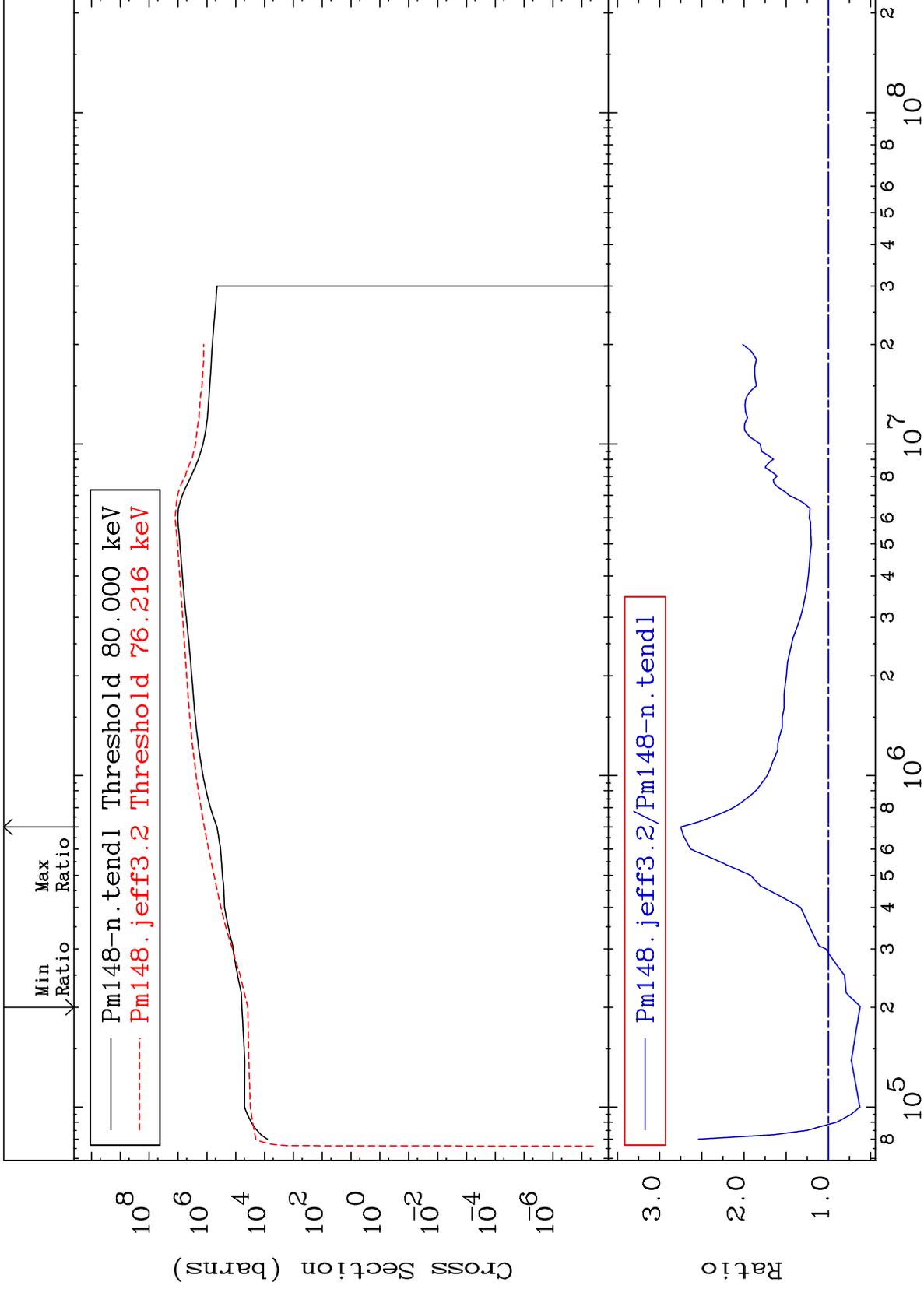
MAT 6152

Kerma elastic
Cross Section

61-Pm-148
-61.61 To 1216. %



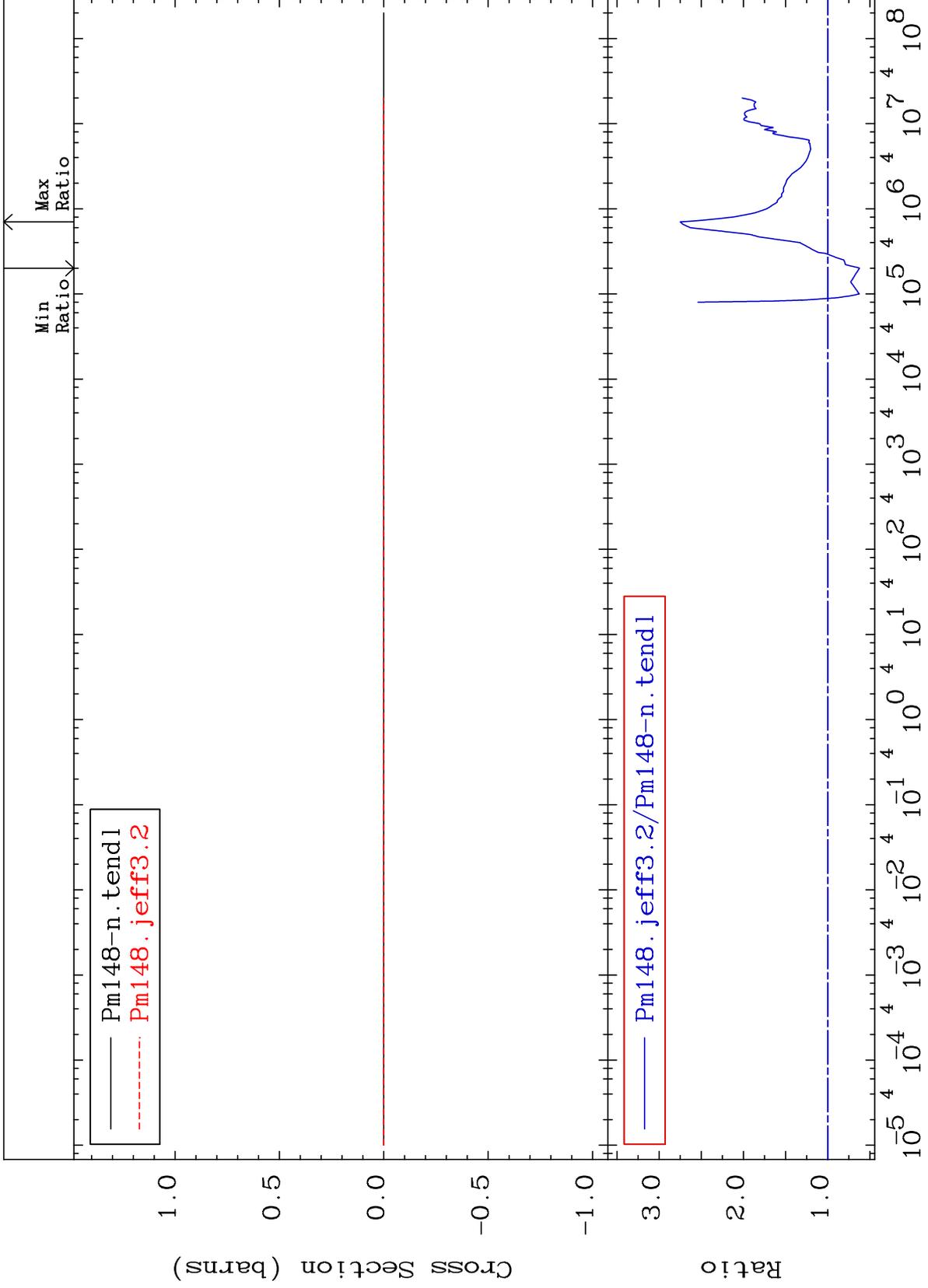




MAT 6152

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

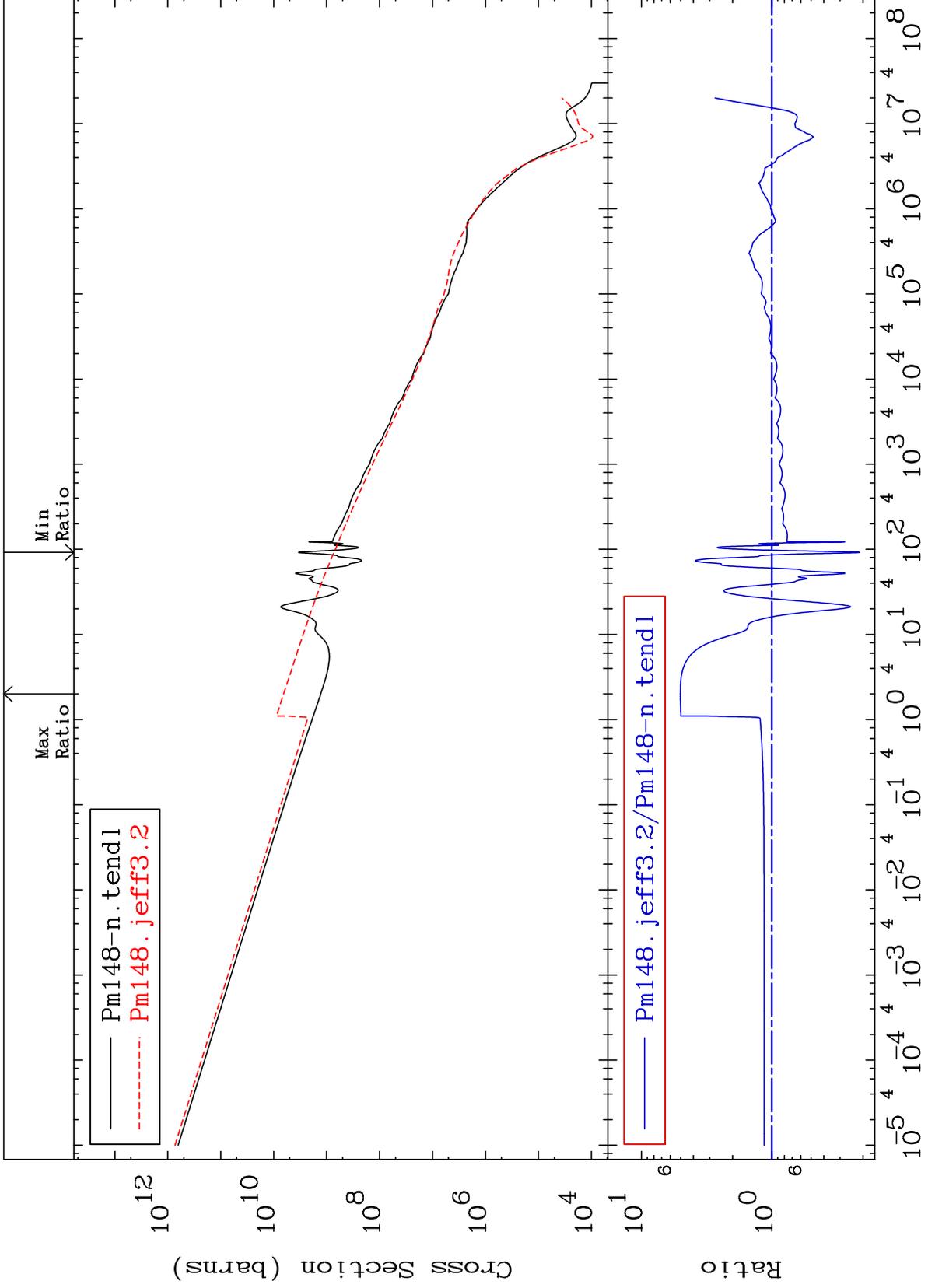
61-Pm-148
-37.72 To 174.9 %



MAT 6152

Kerma capture (mt102)
Cross Section

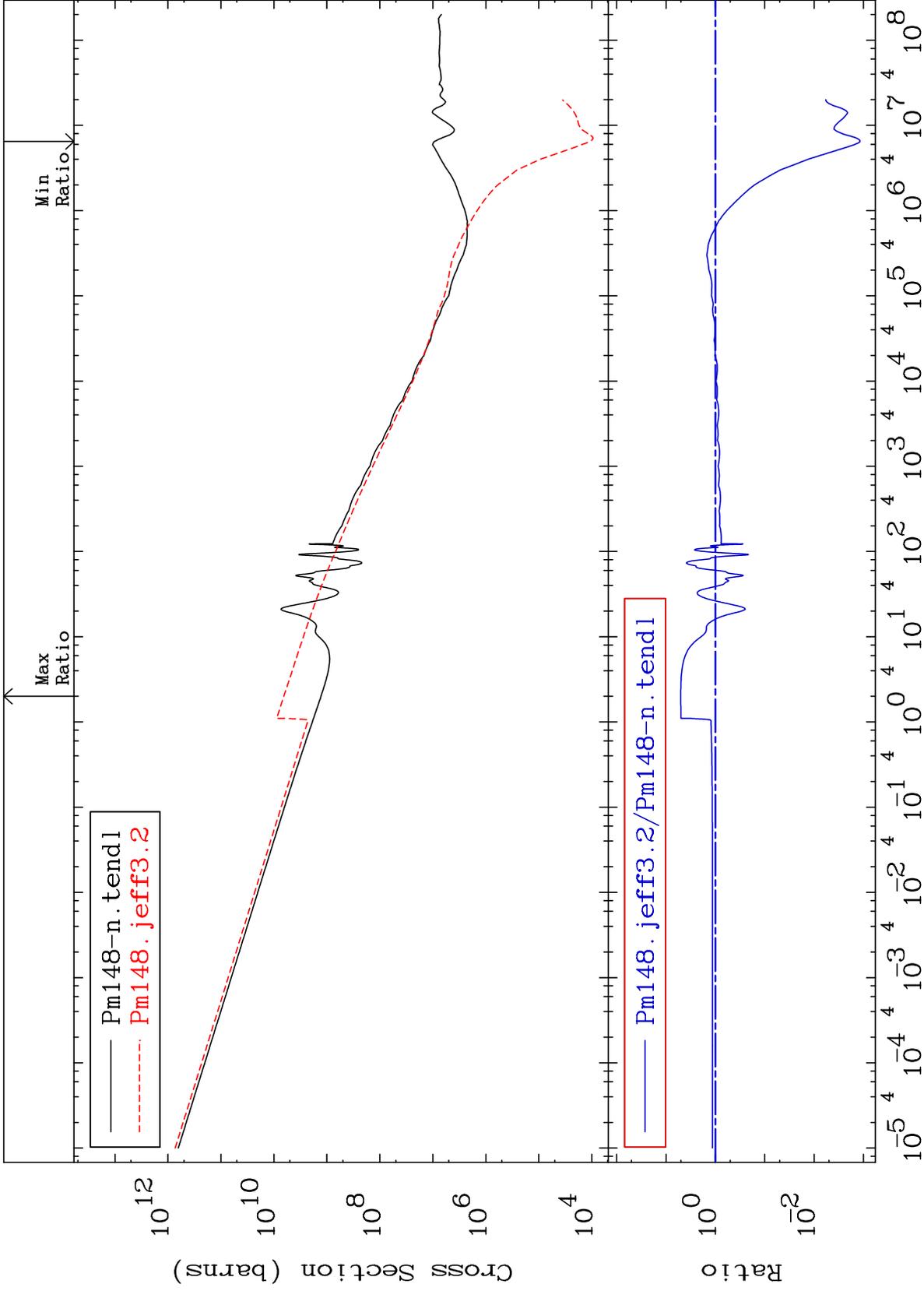
61-Pm-148
-78.72 To 403.1 %



MAT 6152

Total photon (eV-barns)
Cross Section

61-Pm-148
-99.88 To 403.1 %



30

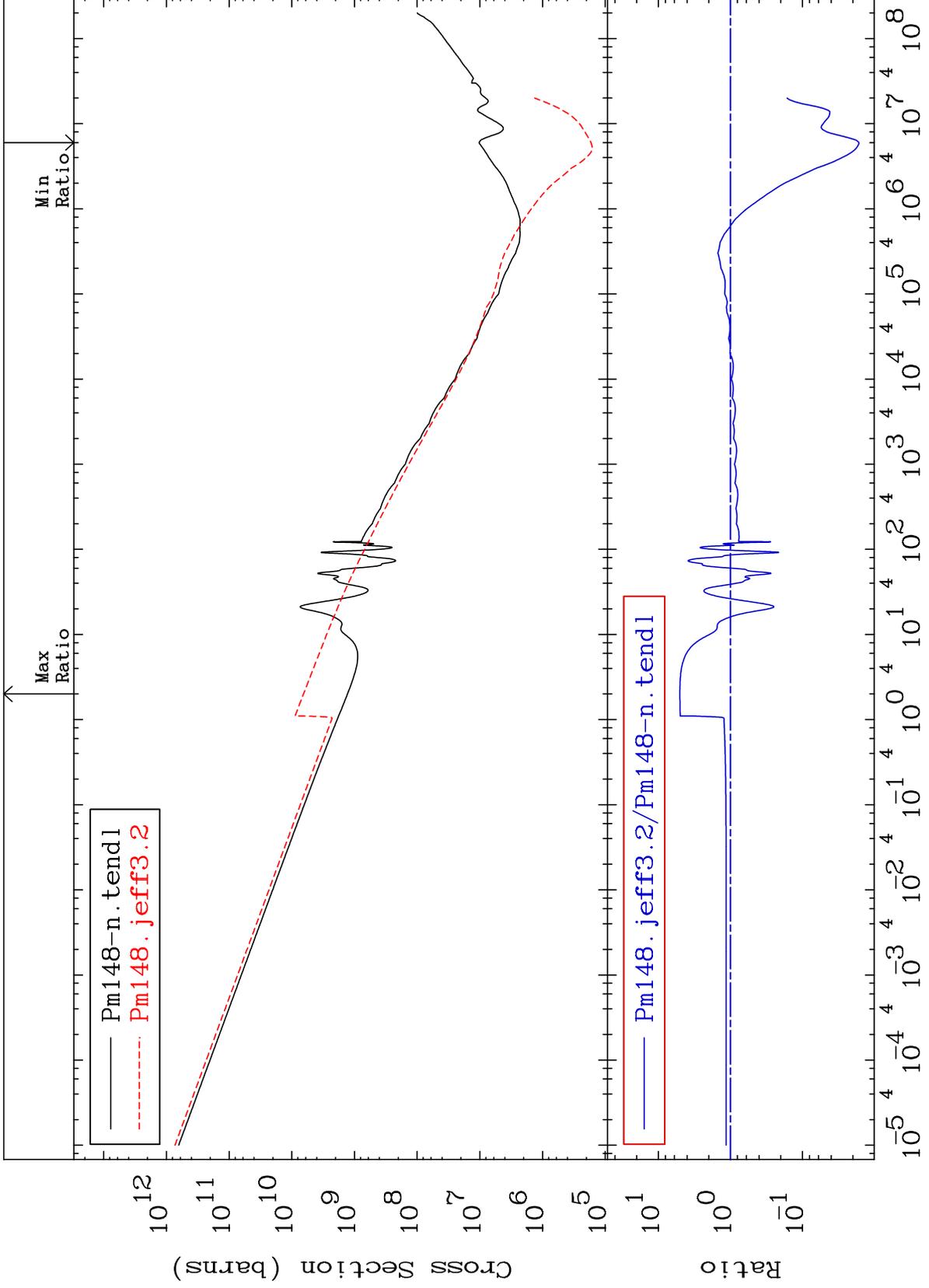
Incident Energy (eV)

61-Pm-148

MAT 6152

Total kinematic kerma (high limit)
Cross Section

61-Pm-148
-98.35 To 403.1 %



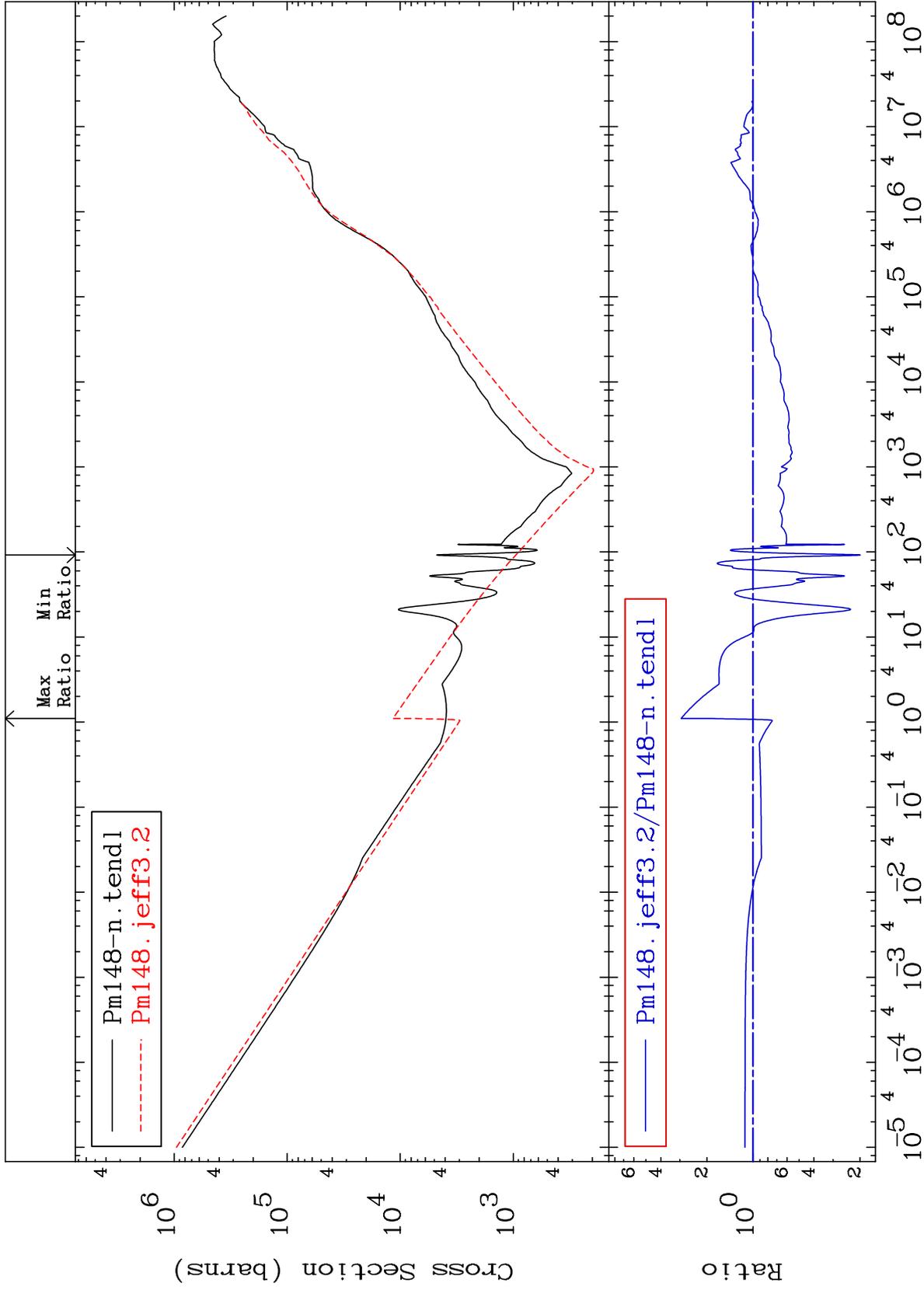
MAT 6152

Dpa total (eV-barns)

61-Pm-148

-80.06 To 194.5 %

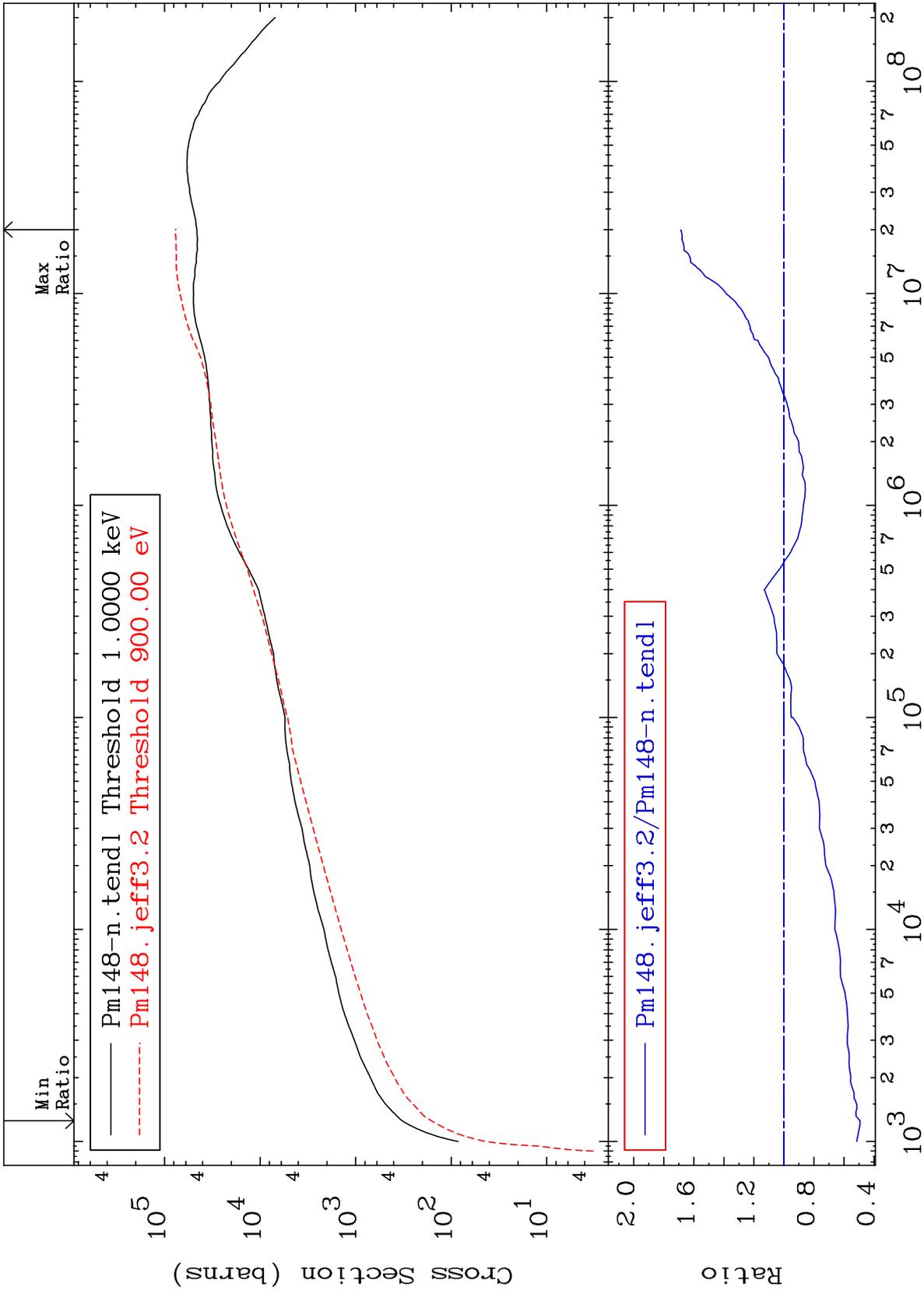
Cross Section



MAT 6152

Dpa elastic (mt2)
Cross Section

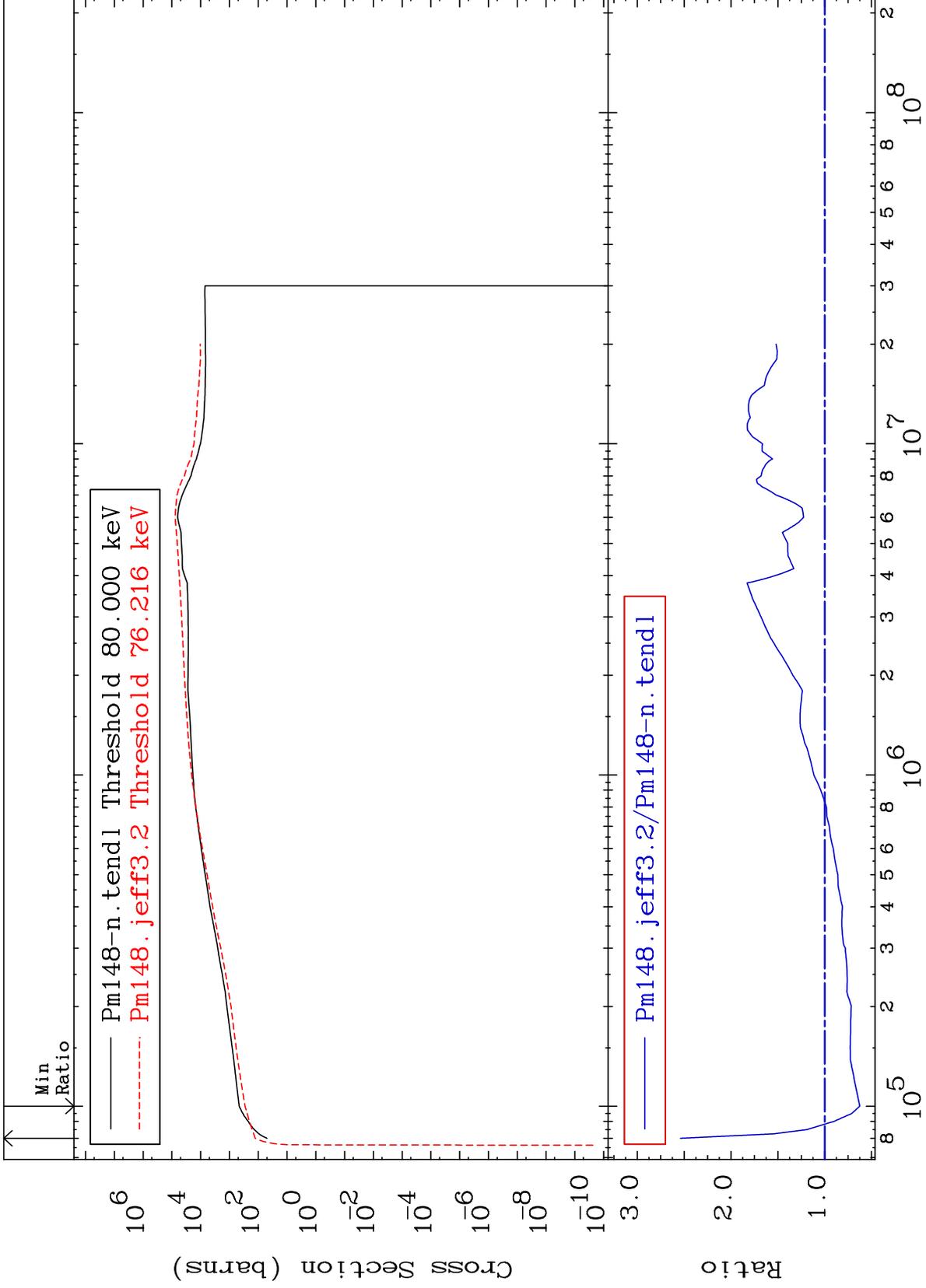
61-Pm-148
-50.75 To 68.72 %



MAT 6152

Dpa inelastic (mt51-91)
Cross Section

61-Pm-148
-37.43 To 153.9 %



MAT 6152

Dpa disappearance (mt102 -120)
Cross Section

61-Pm-148
-83.24 To 194.5 %

