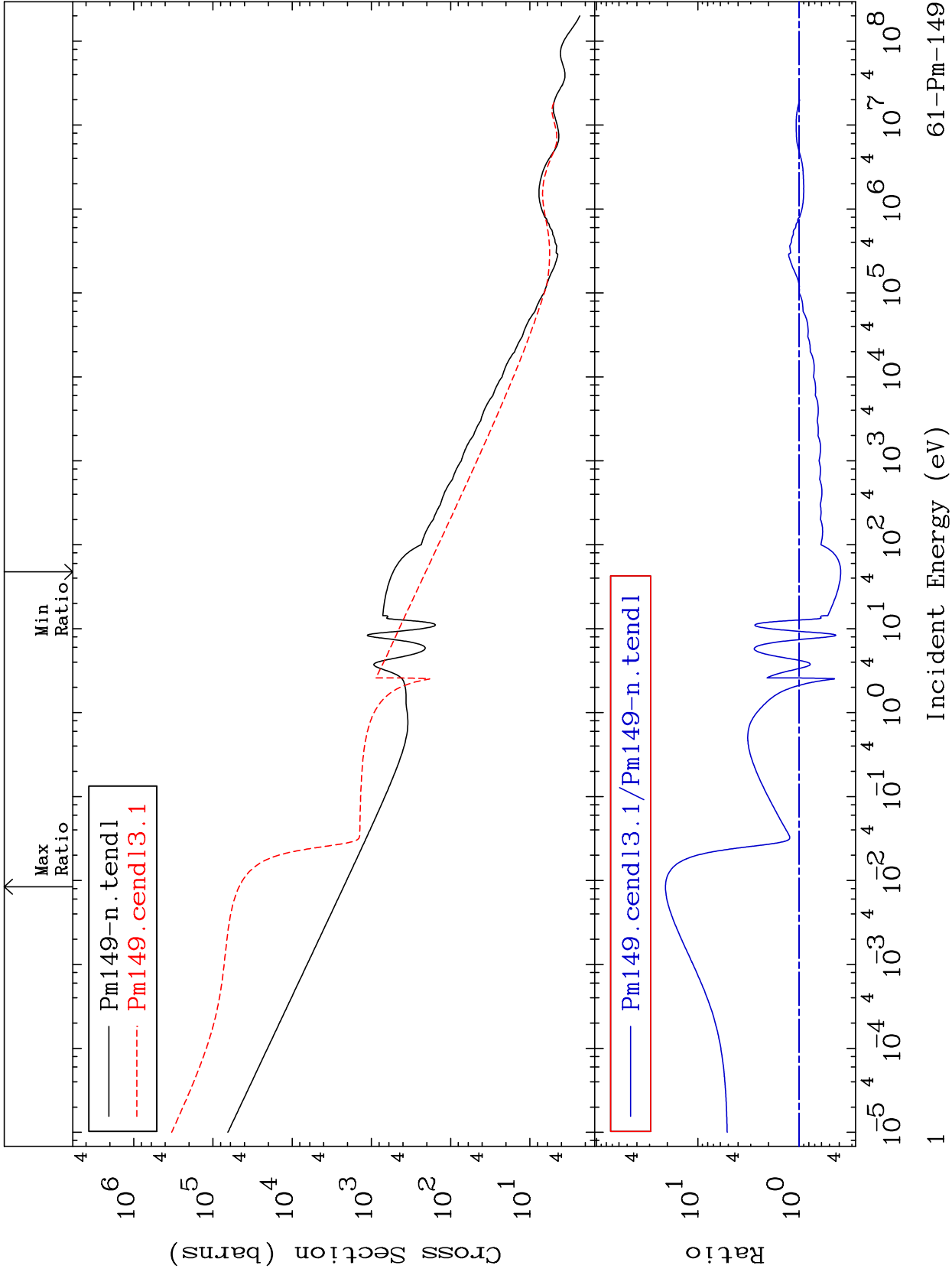


MAT 6155

Total Cross Section
61-Pm-149
-61.21 To 1984. %

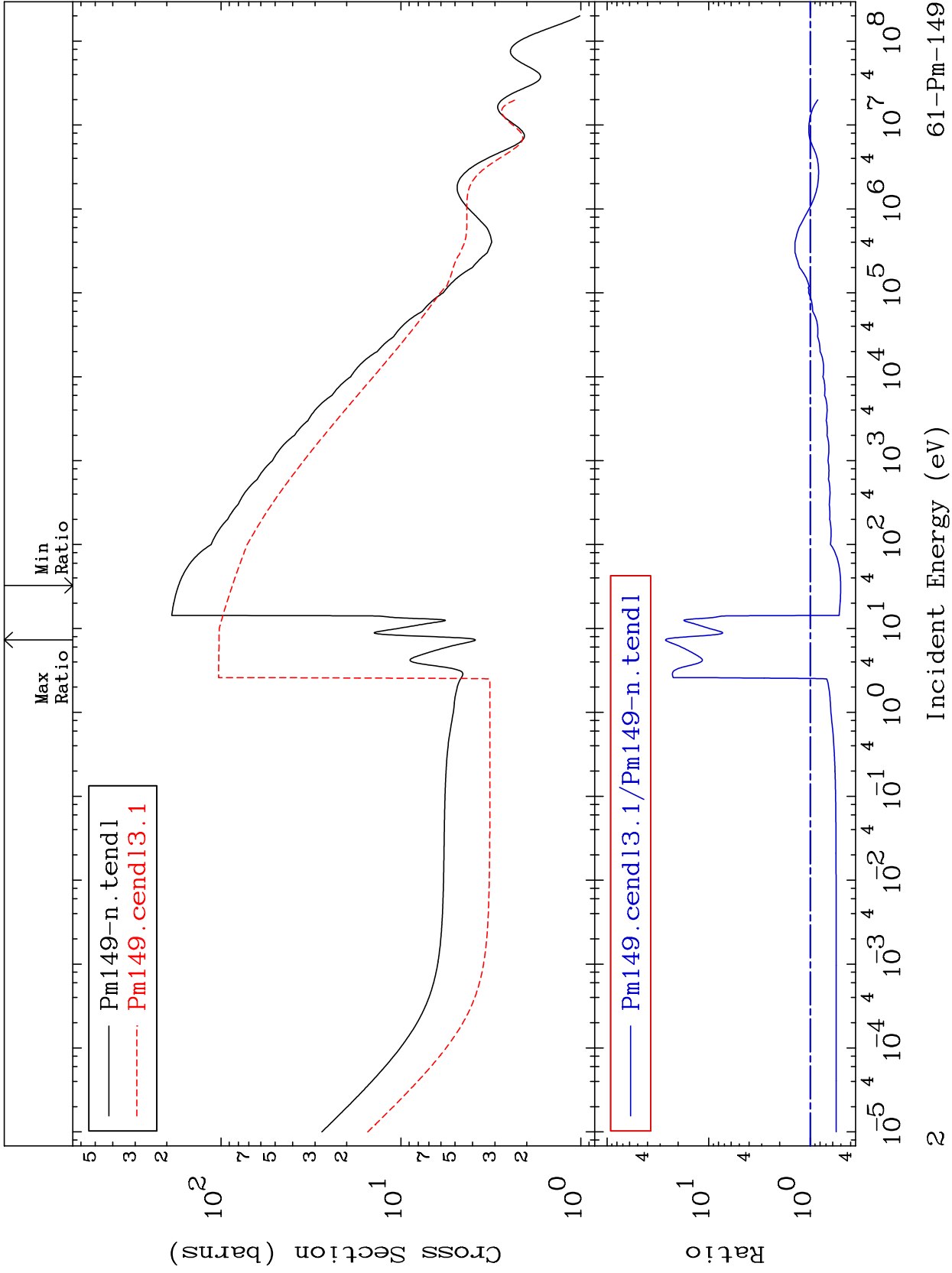


61-Pm-149

MAT 6155

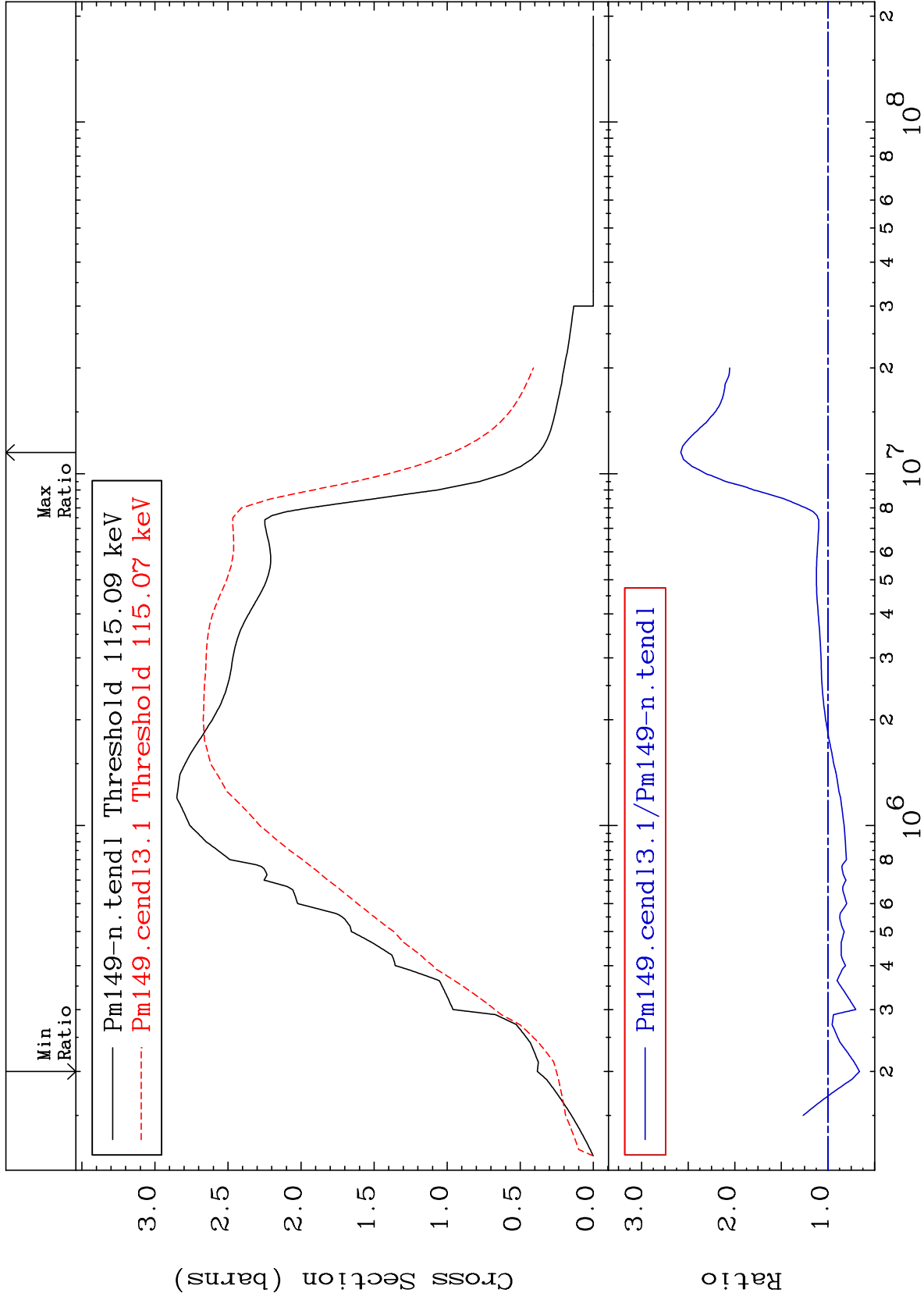
61-Pm-149
-49.82 To 2561. %

Elastic
Cross Section



61-Pm-149

MAT 6155 Inelastic 61-Pm-149
Cross Section -34.00 To 158.0 %



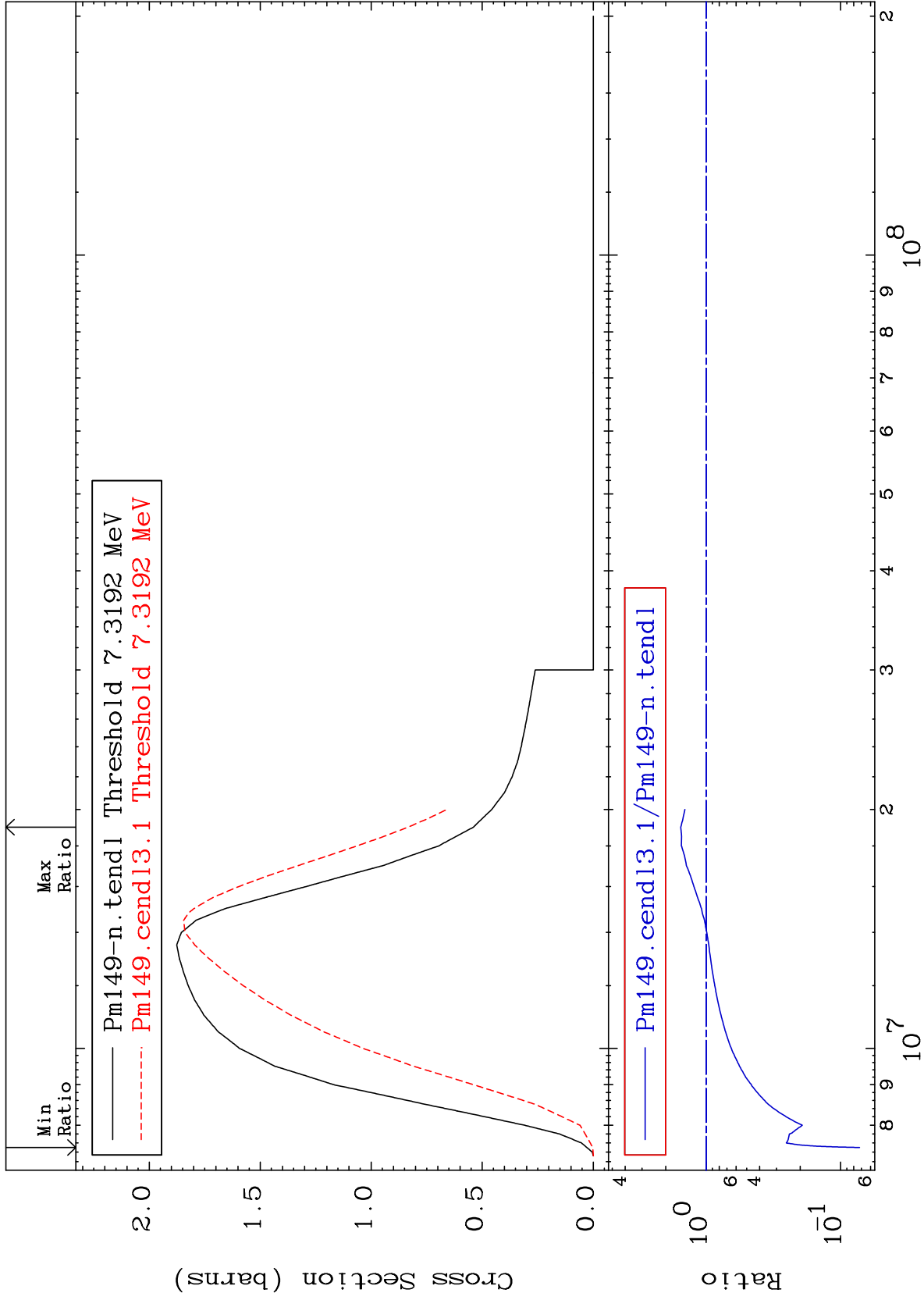
MAT 6155

(n,2n)

61-Pm-149

Cross Section

-92.76 To 54.57 %



4

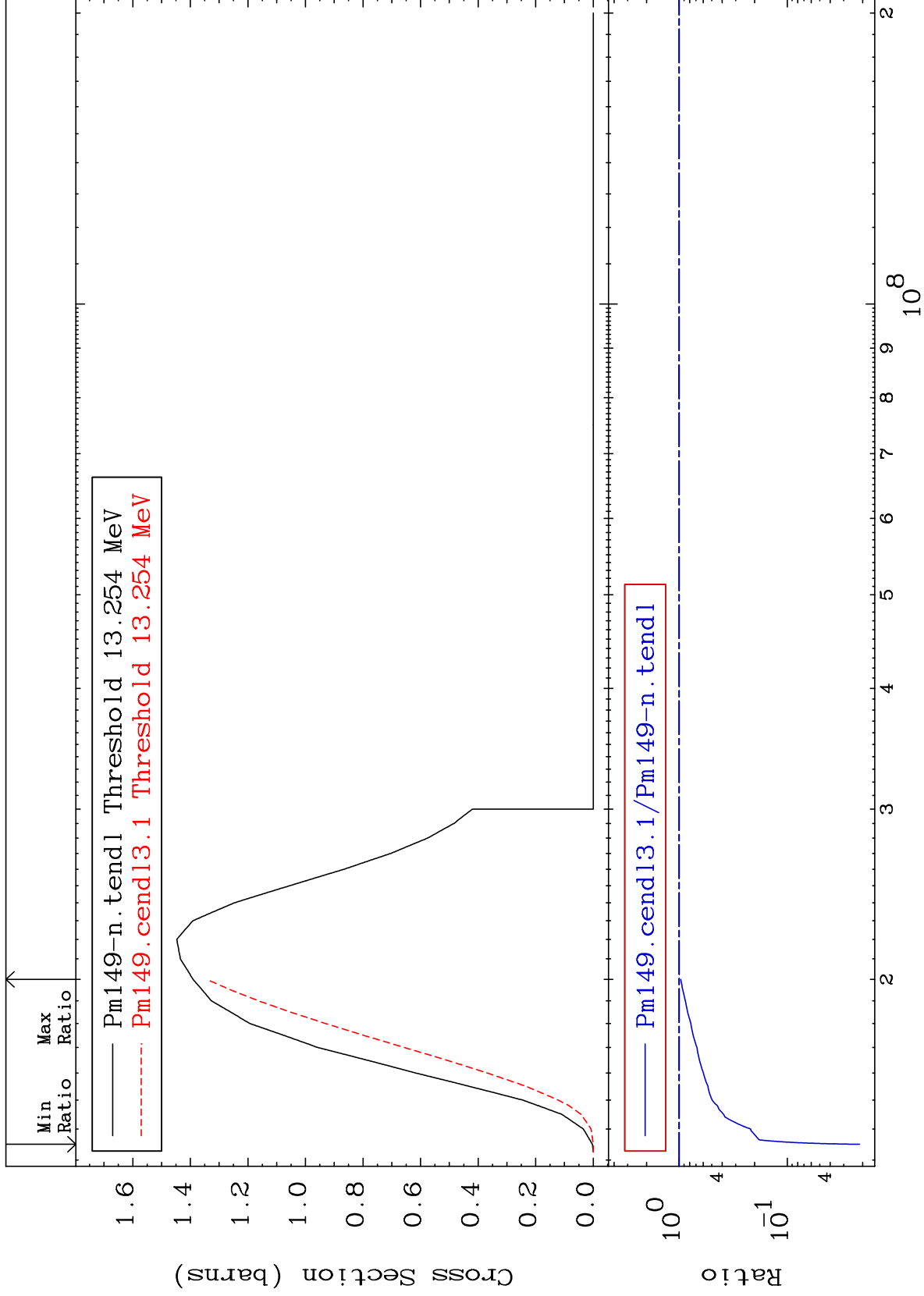
Incident Energy (eV)

61-Pm-149

MAT 6155

(n,3n)
Cross Section

61-Pm-149
-97.86 To -3.374%



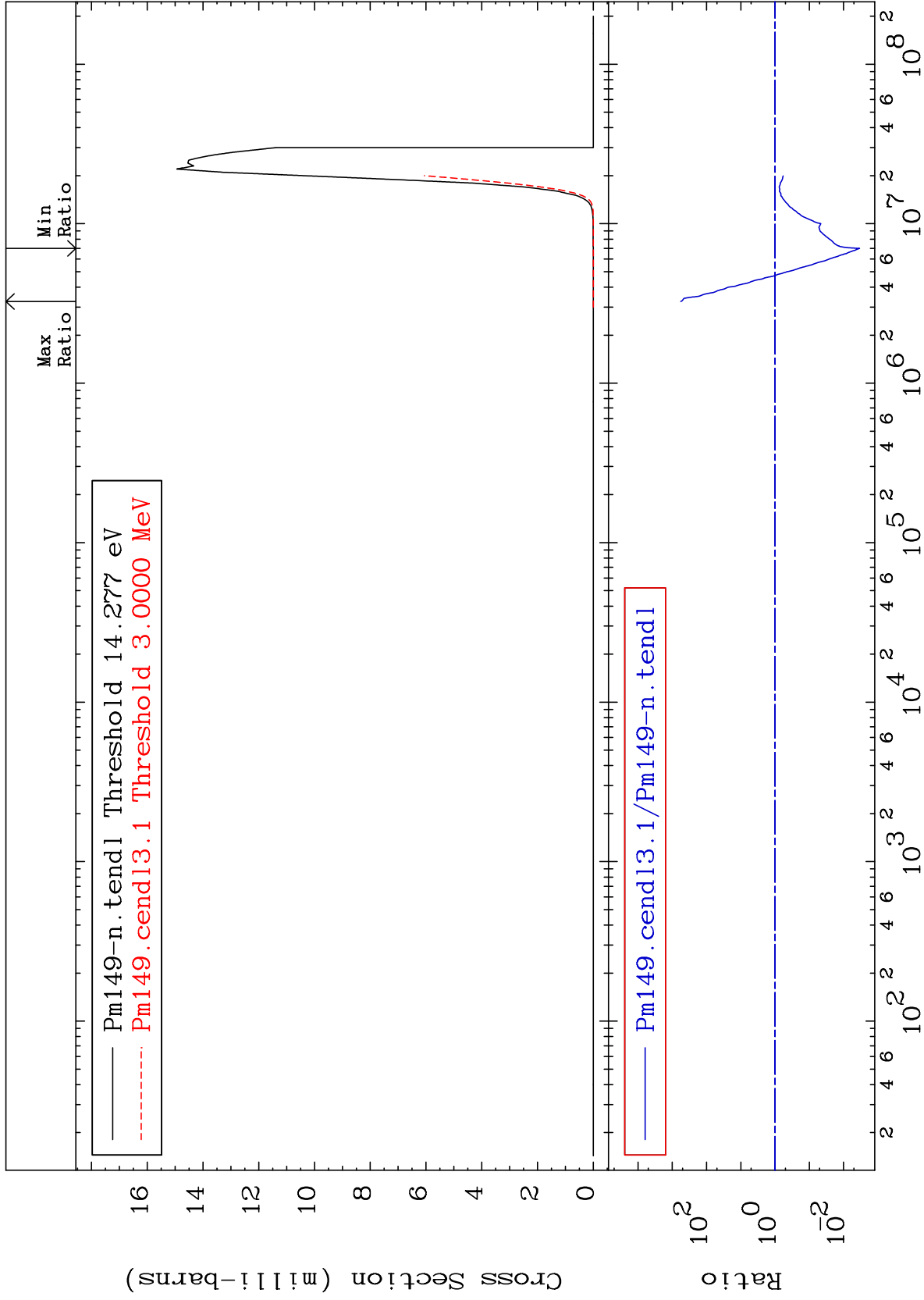
MAT 6155

(n, n') α

61-Pm-149

Cross Section

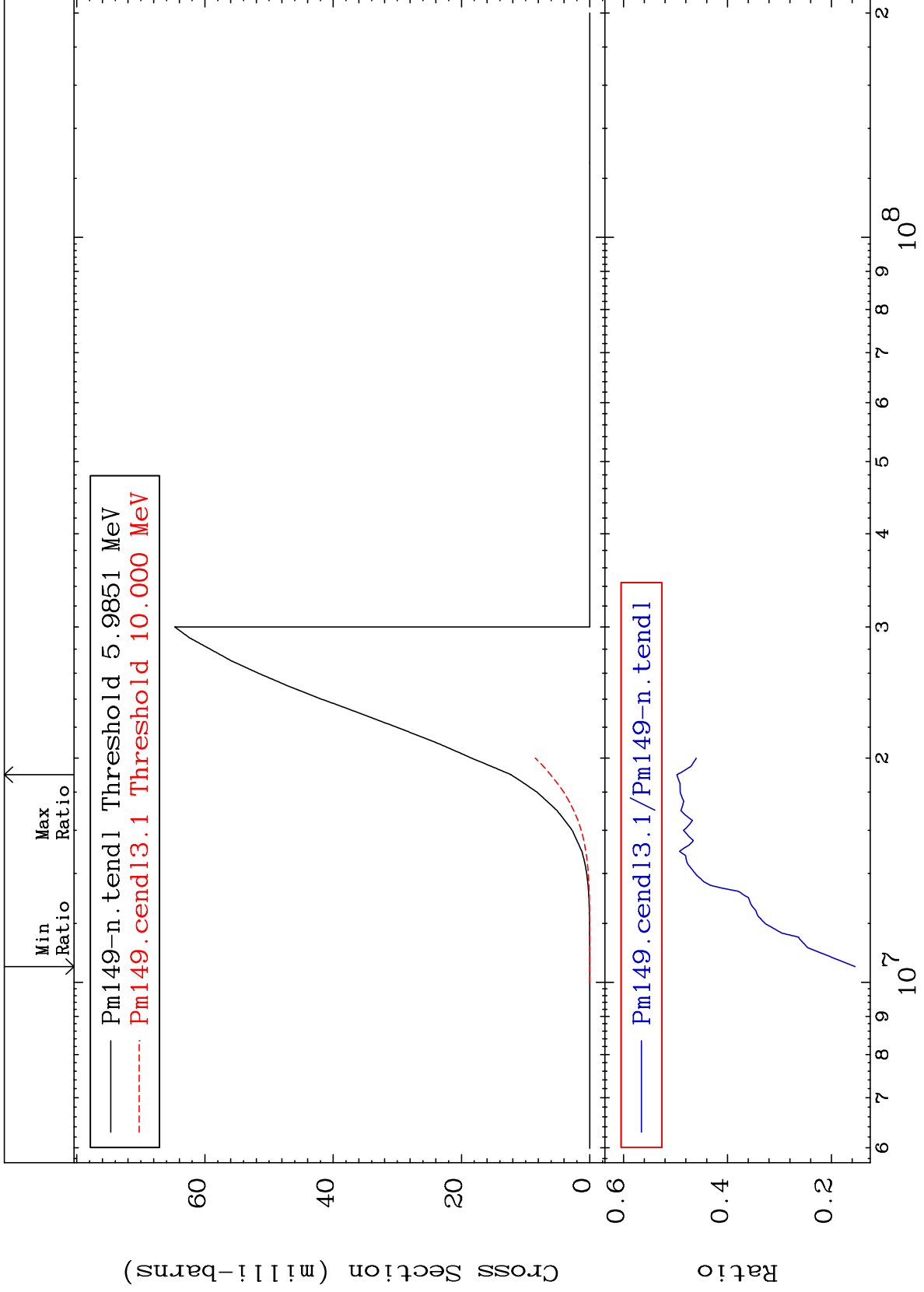
-99.66 To 9999. %



MAT 6155

(n,n') p
Cross Section

61-Pm-149
-84.55 To -50.28%



7

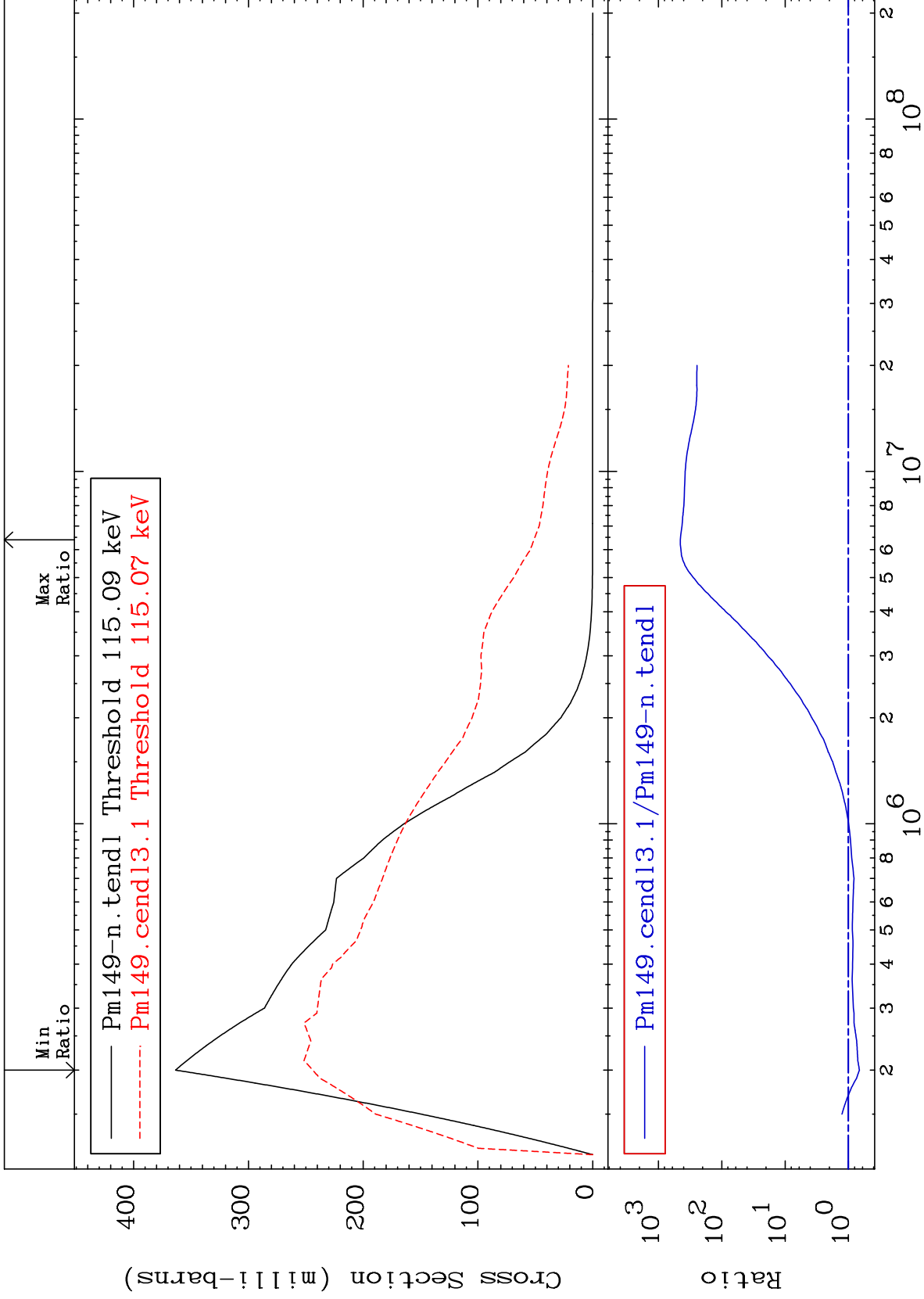
61-Pm-149

61-Pm-149

MAT 6155

114.3 keV (n,n') Level
Cross Section

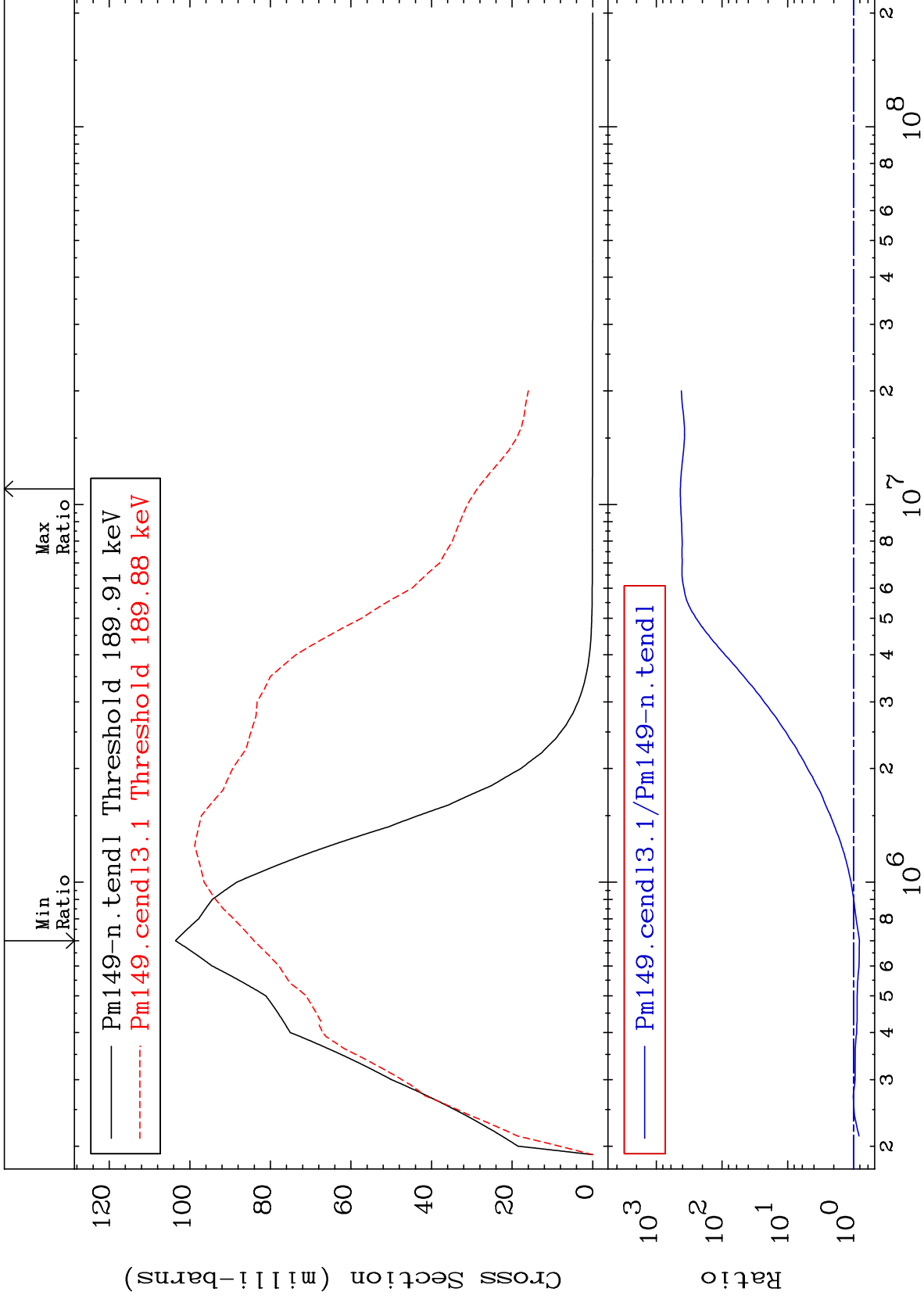
61-Pm-149
-32.90 To 9999. %



MAT 6155

188.6 keV (n,n') Level
Cross Section

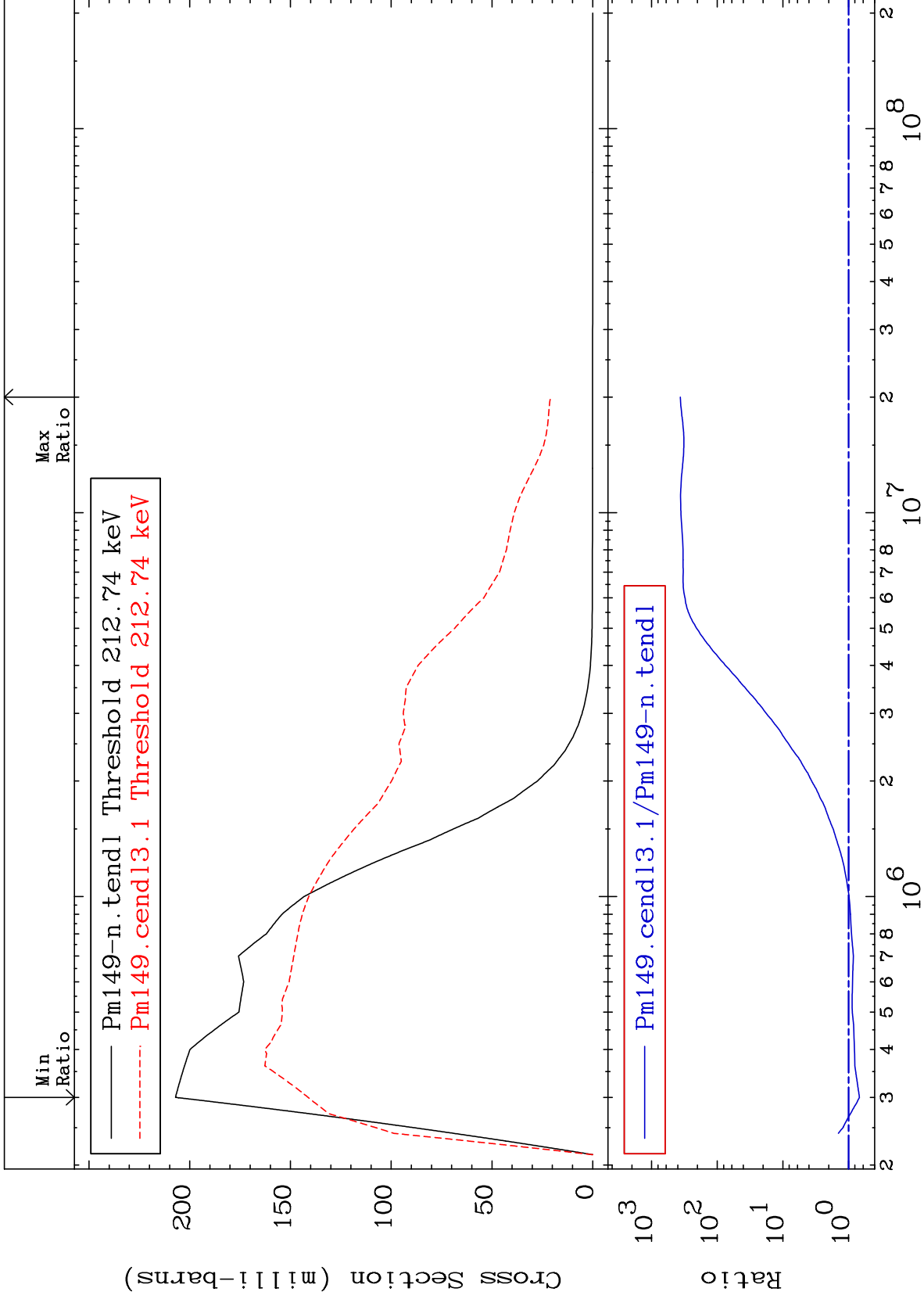
61-Pm-149
-18.80 To 9999. %



MAT 6155

211.3 keV (n,n') Level
Cross Section

61-Pm-149
-31.79 To 9999. %



10

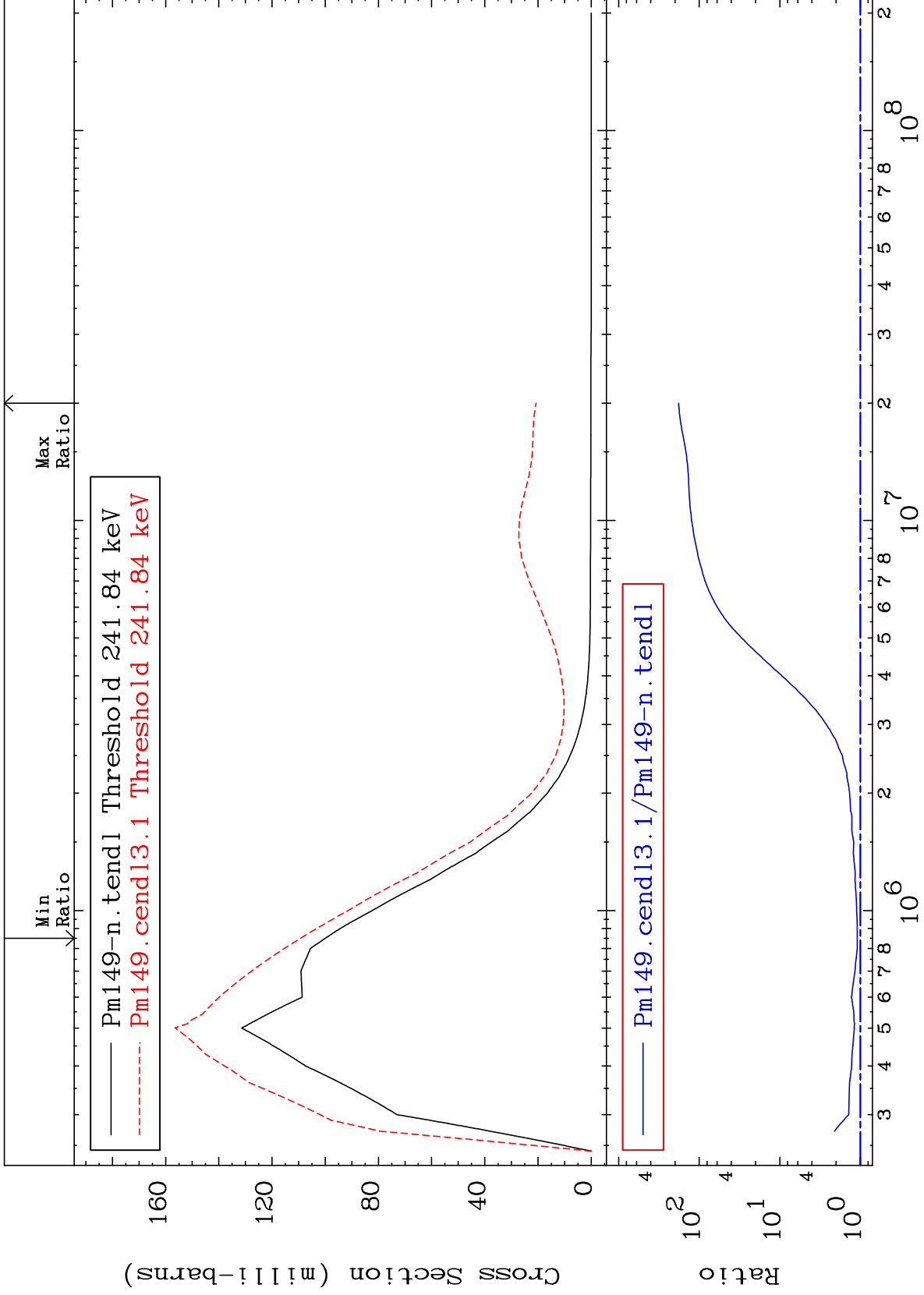
Incident Energy (eV)

61-Pm-149

MAT 6155

240.2 keV (n,n') Level
Cross Section

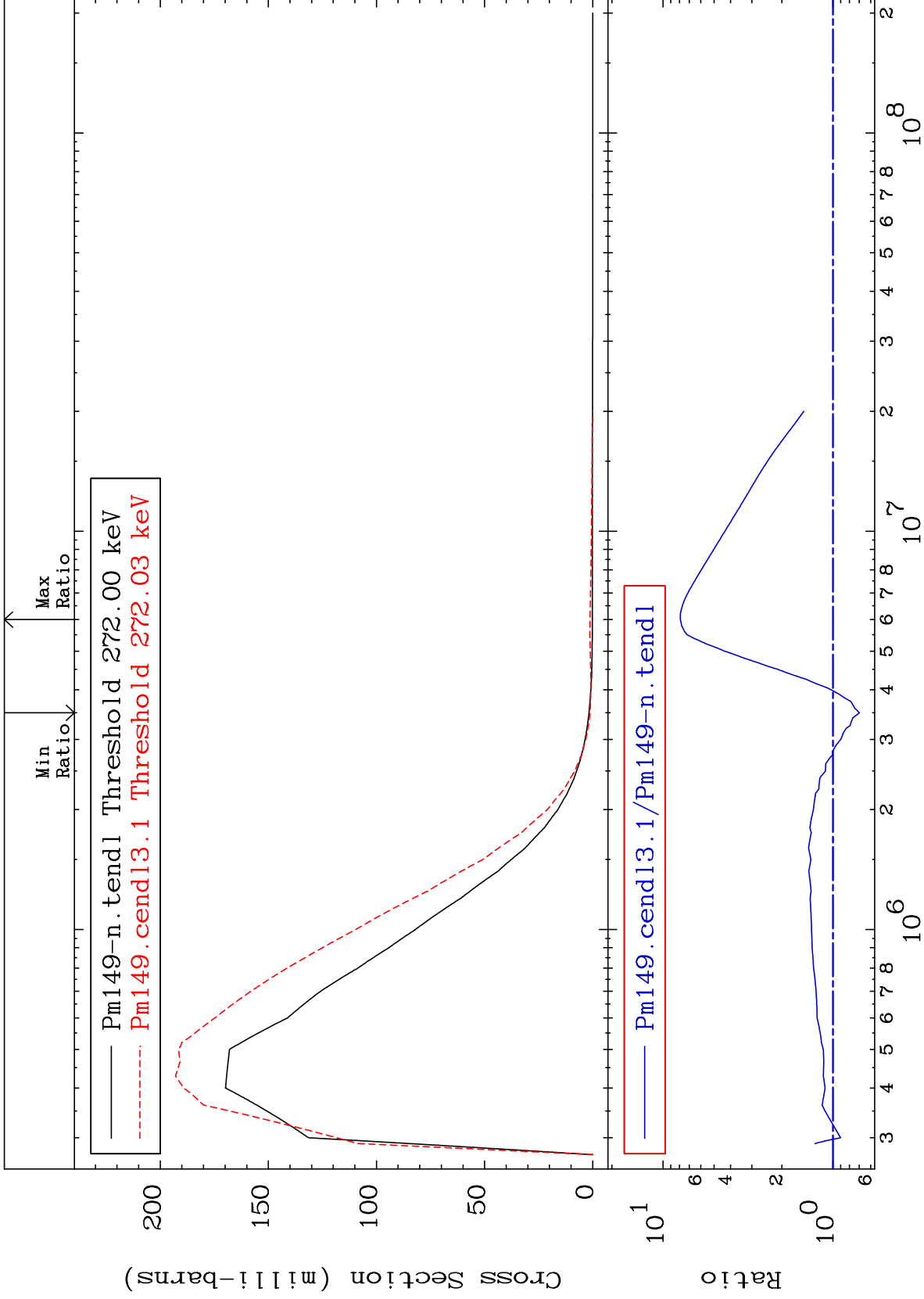
61-Pm-149
9.281 To 9999. %



MAT 6155

270.2 keV (n,n') Level
Cross Section

61-Pm-149
-30.14 To 690.7 %



12

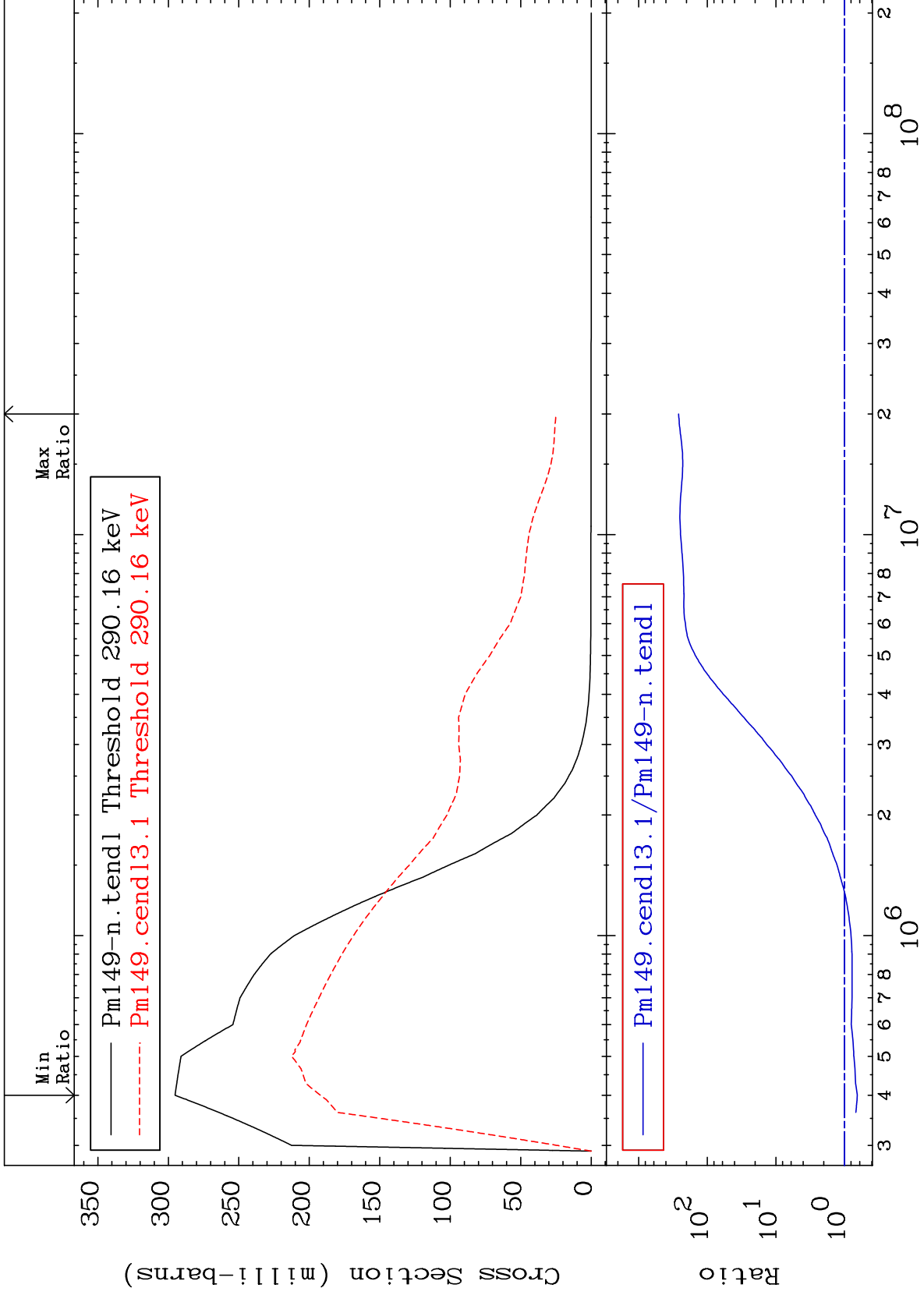
Incident Energy (eV)

61-Pm-149

MAT 6155

288.2 keV (n,n') Level
Cross Section

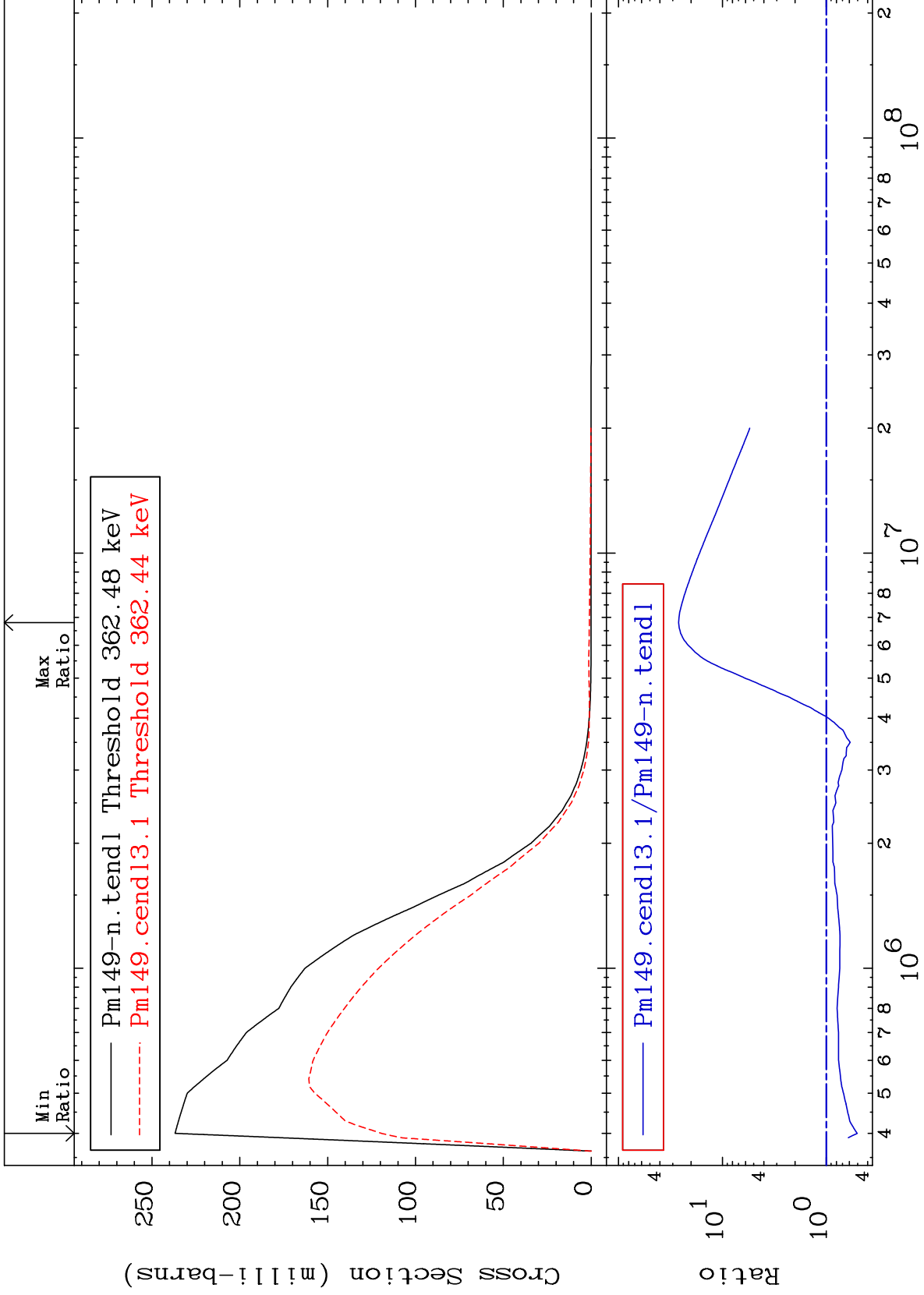
61-Pm-149
-34.90 To 9999. %



MAT 6155

360.0 keV (n,n') Level
Cross Section

61-Pm-149
-49.58 To 2539. %



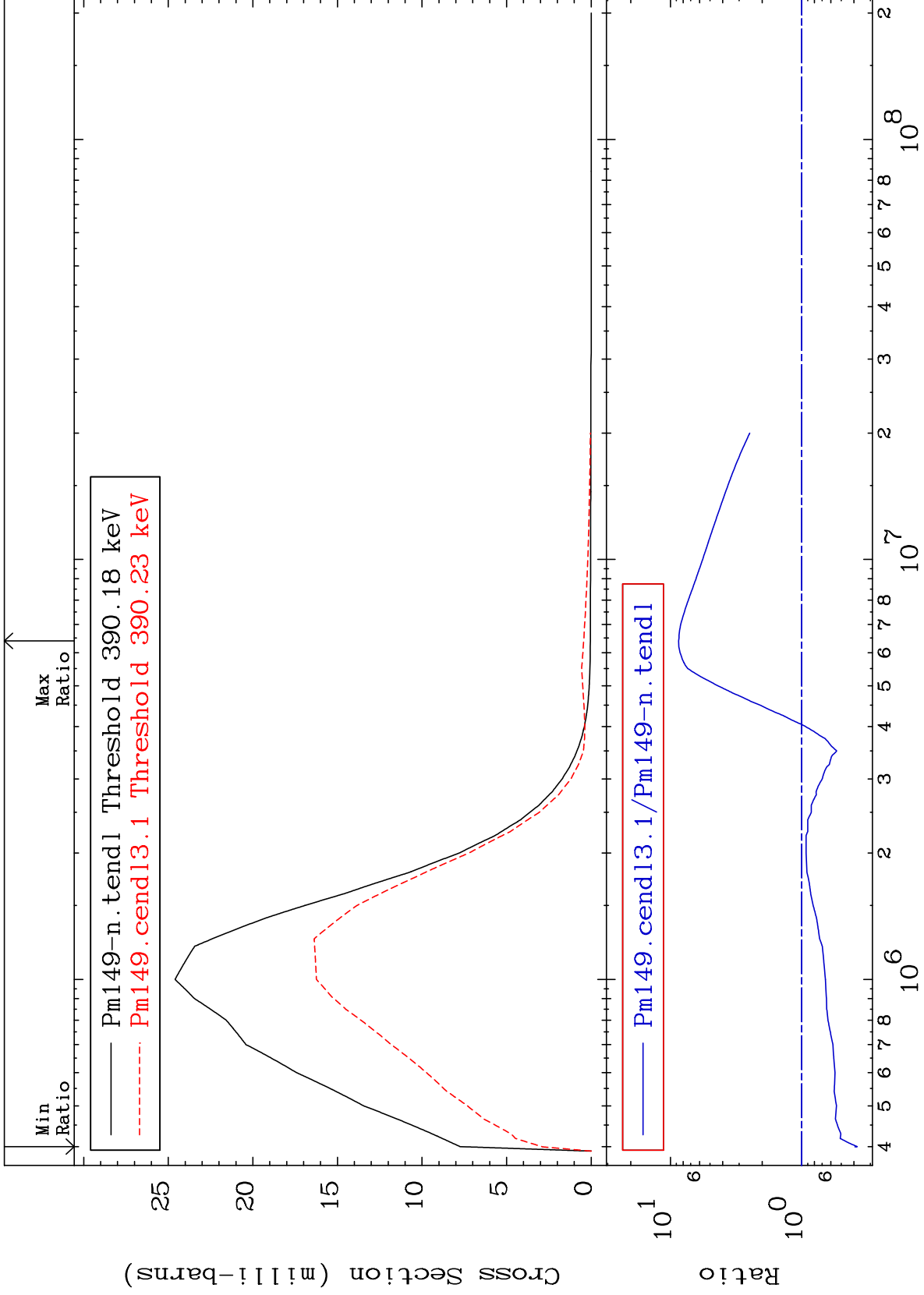
14

61-Pm-149

MAT 6155

387.6 keV (n,n') Level
Cross Section

61-Pm-149
-62.21 To 765.3 %



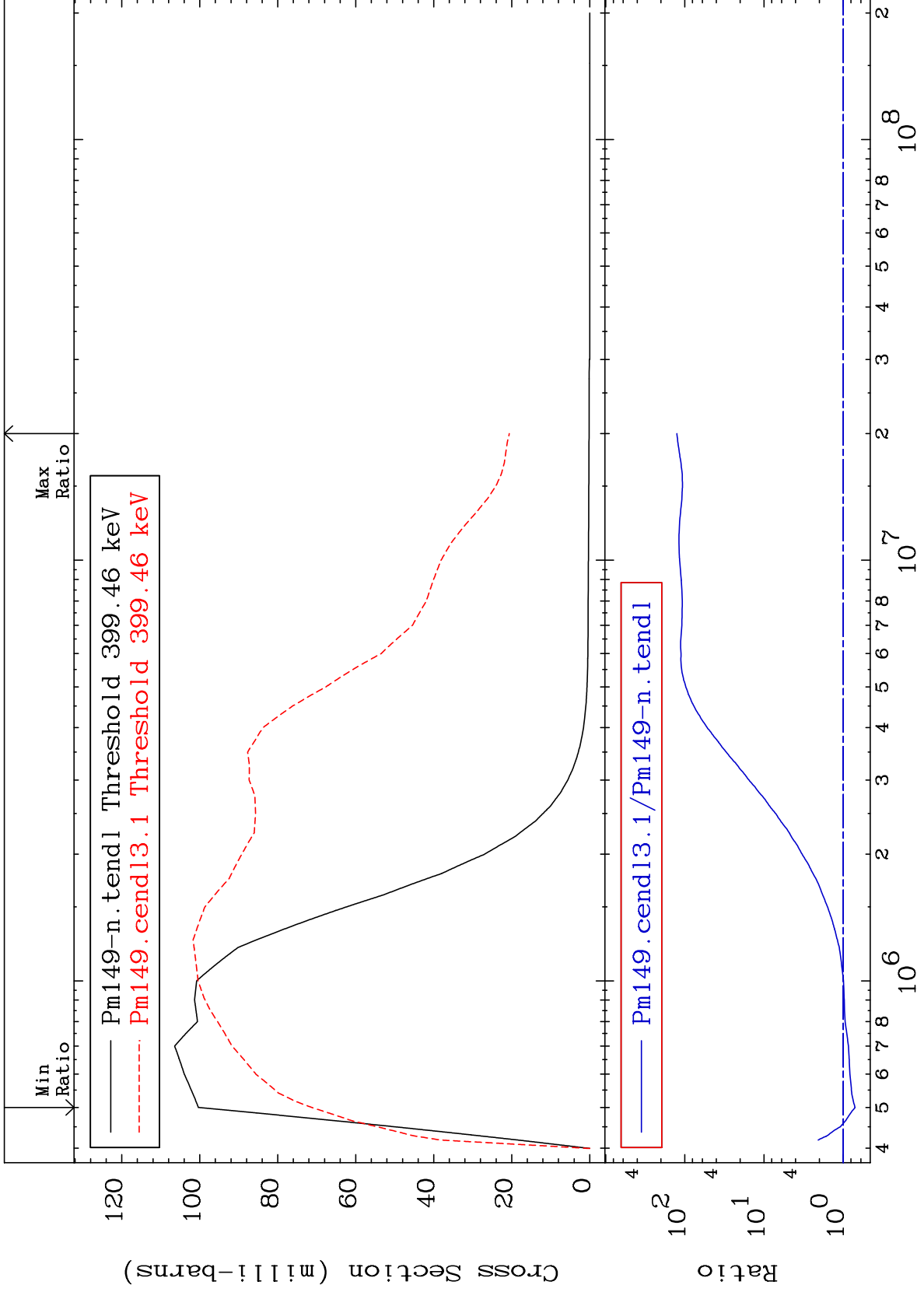
15

61-Pm-149

MAT 6155

396.8 keV (n,n') Level
Cross Section

61-Pm-149
-28.98 To 9999. %



16

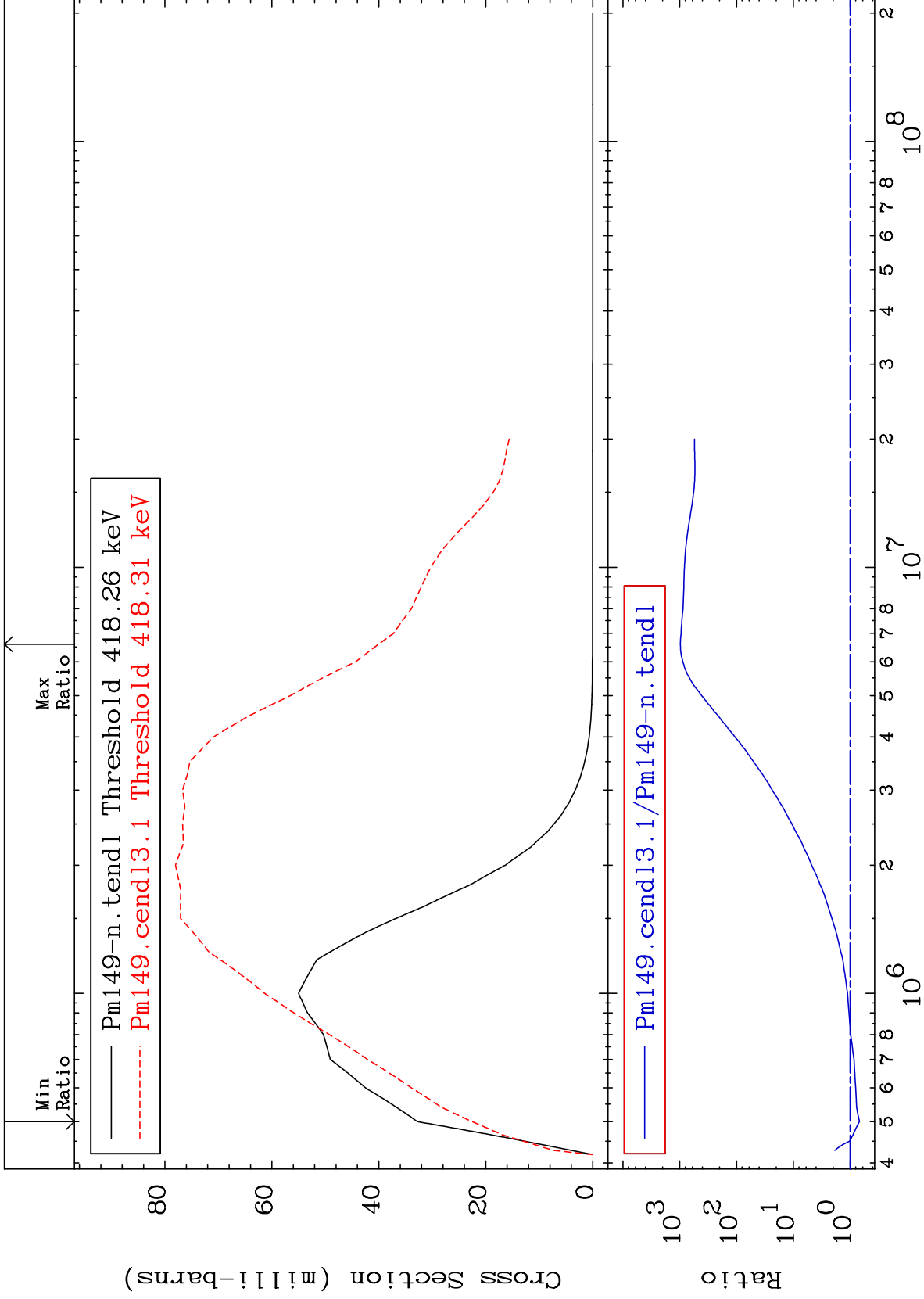
61-Pm-149

61-Pm-149

MAT 6155

415.4 keV (n,n') Level
Cross Section

61-Pm-149
-31.27 To 9999. %



17

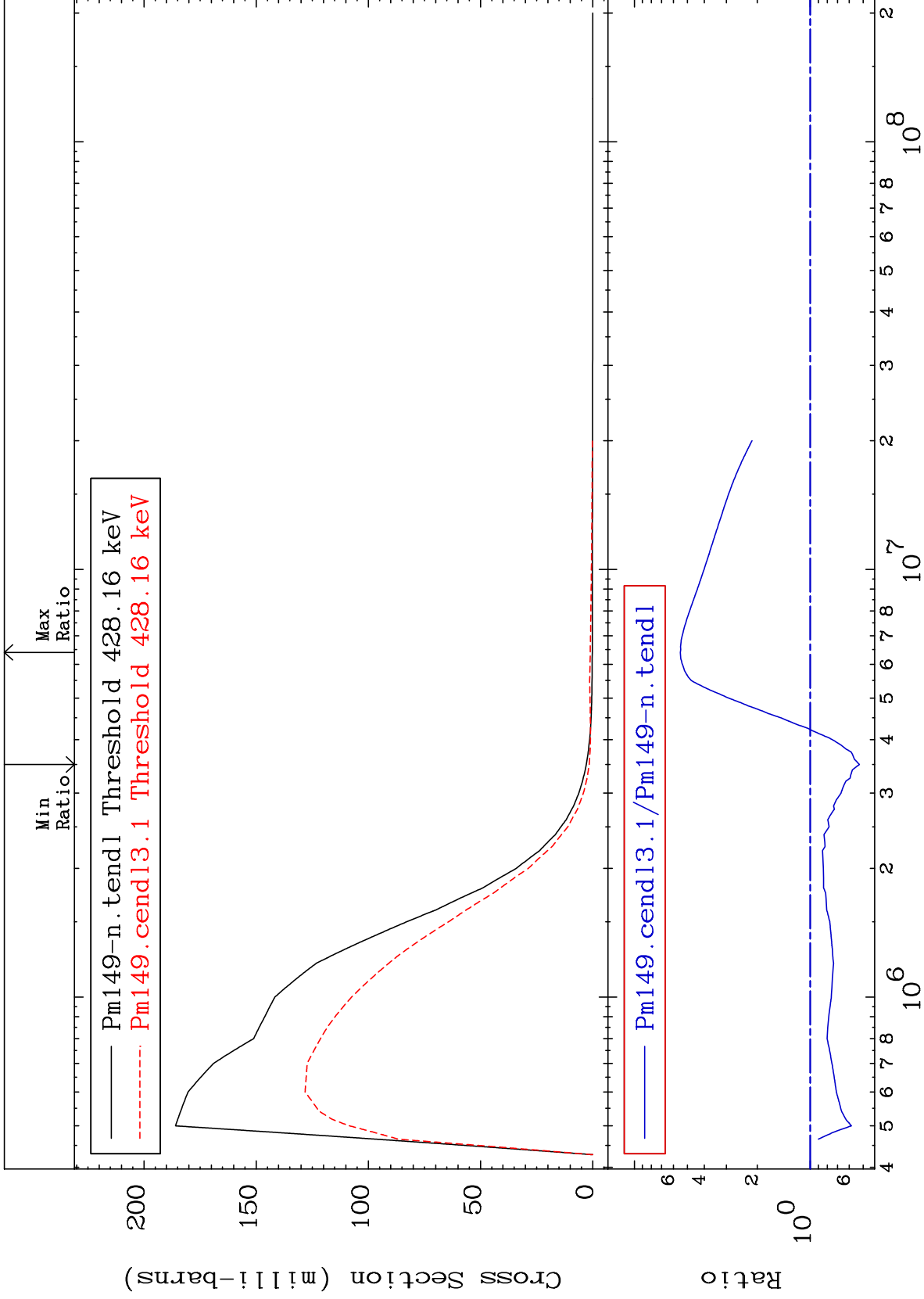
Incident Energy (eV)

61-Pm-149

MAT 6155

425.3 keV (n,n') Level
Cross Section

61-Pm-149
-47.45 To 447.7 %



18

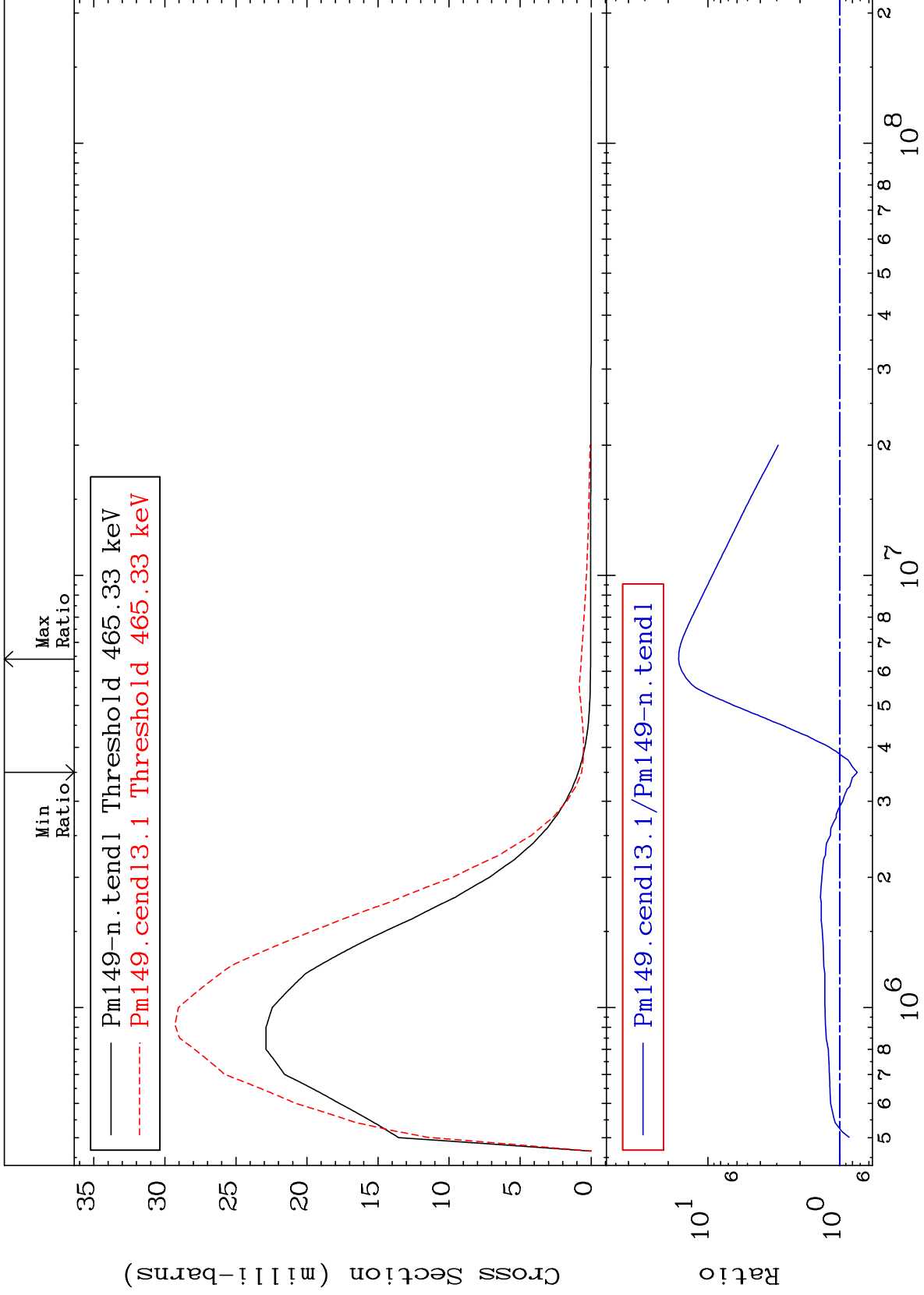
Incident Energy (eV)

61-Pm-149

MAT 6155

462.2 keV (n,n') Level
Cross Section

61-Pm-149
-26.43 To 1566. %



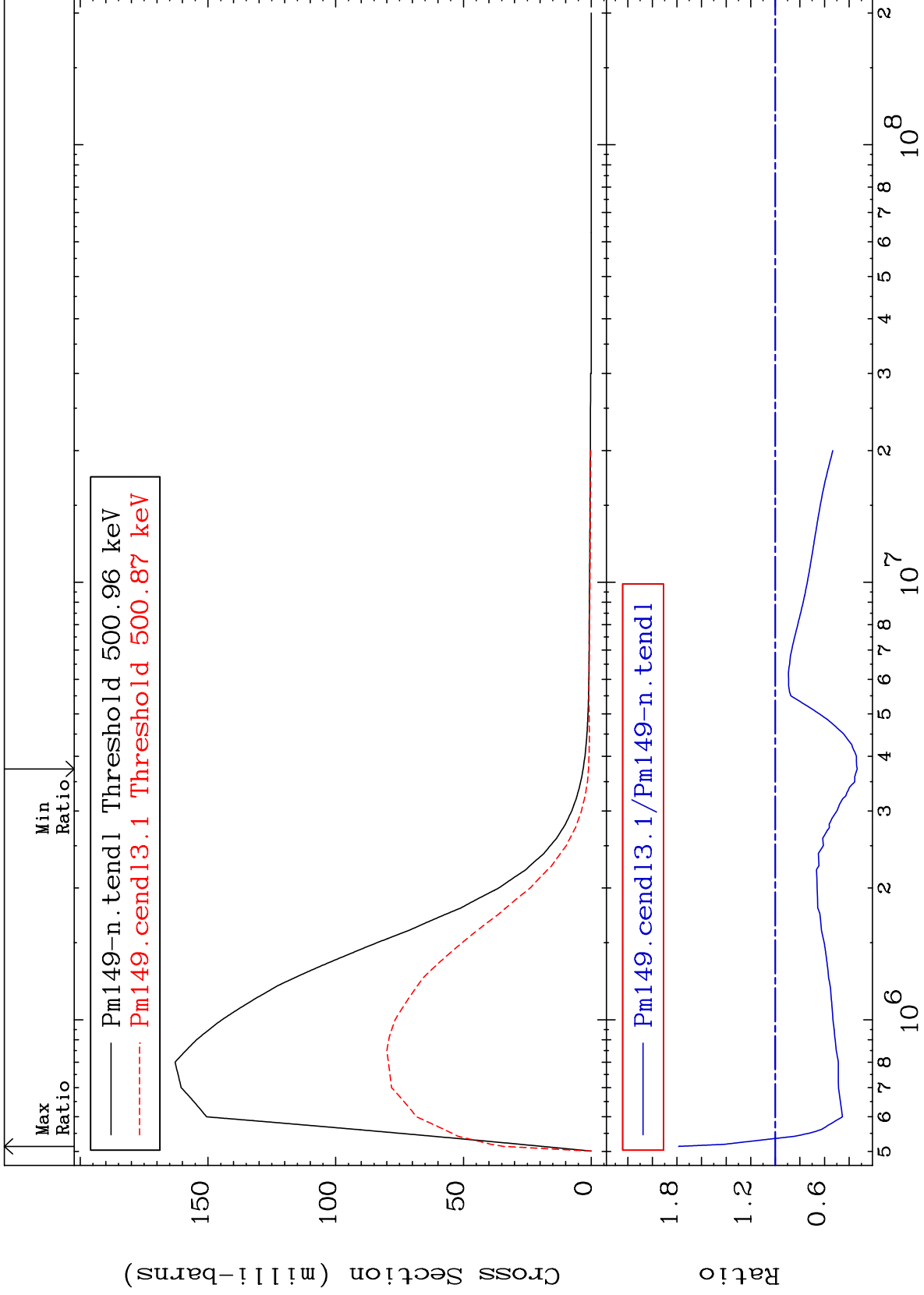
19

61-Pm-149

MAT 6155

497.6 keV (n,n') Level
Cross Section

61-Pm-149
-66.63 To 78.61 %



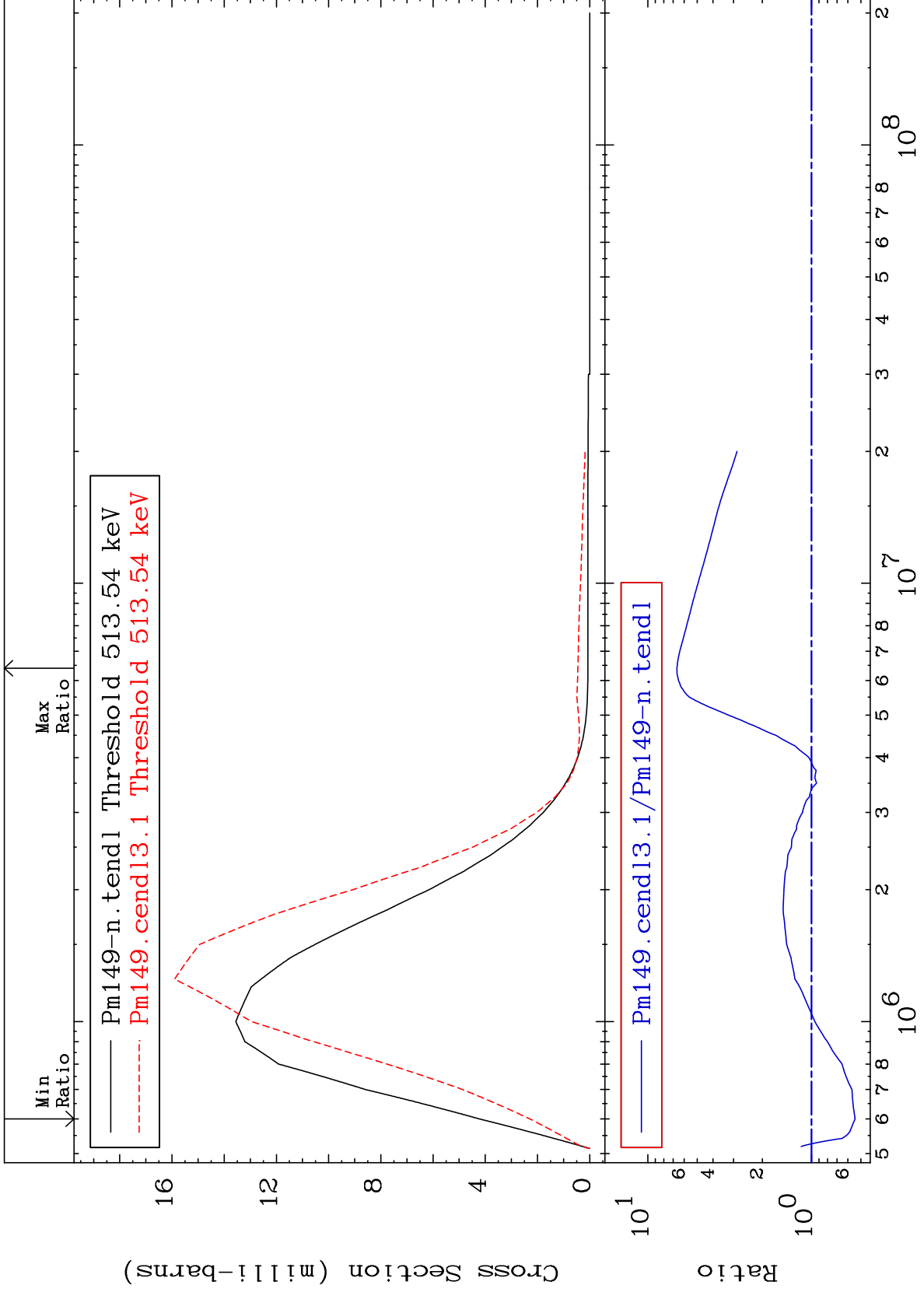
20

61-Pm-149

MAT 6155

510.1 keV (n,n') Level
Cross Section

61-Pm-149
-45.76 To 564.4 %



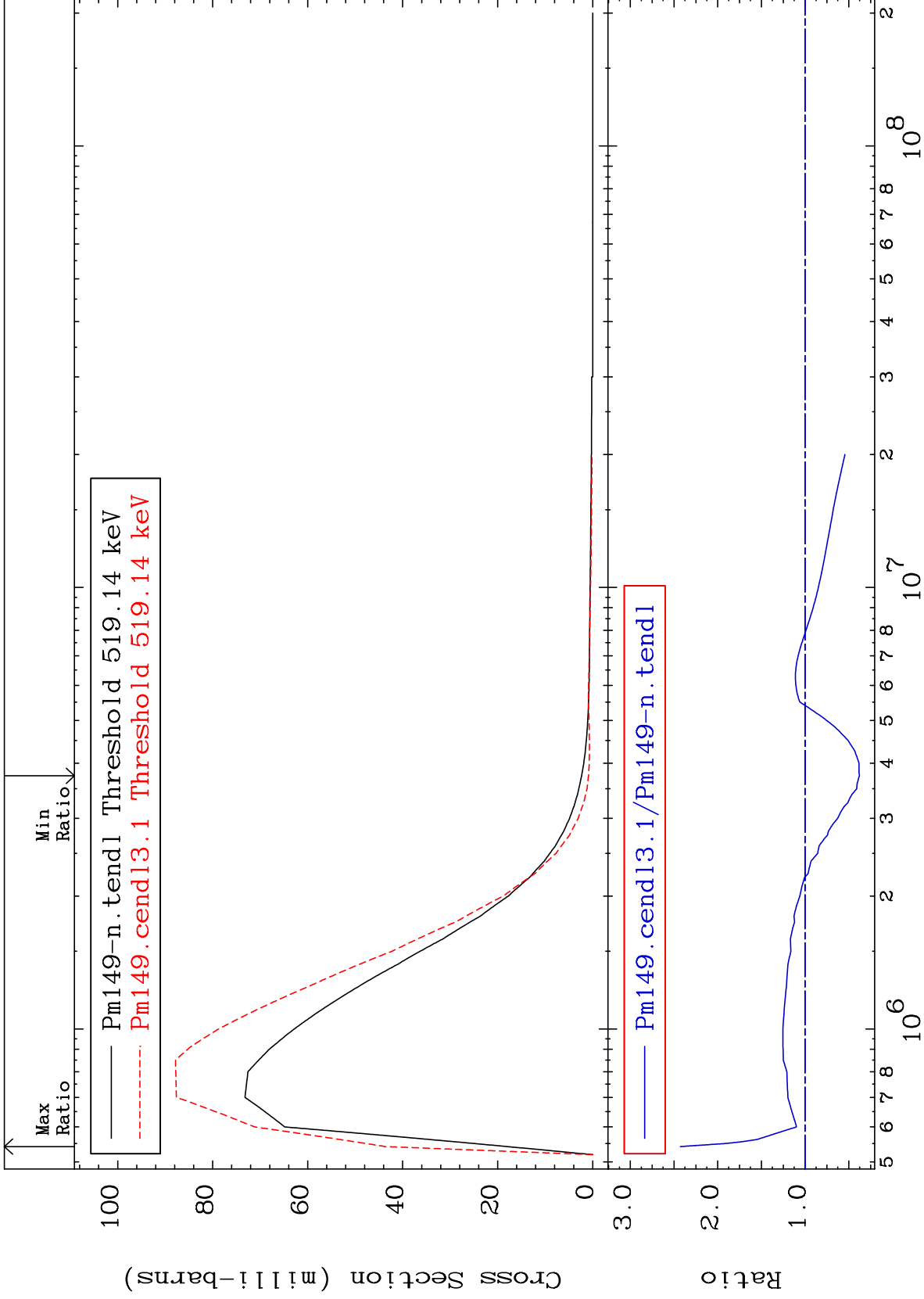
21

61-Pm-149

MAT 6155

515.6 keV (n,n') Level
Cross Section

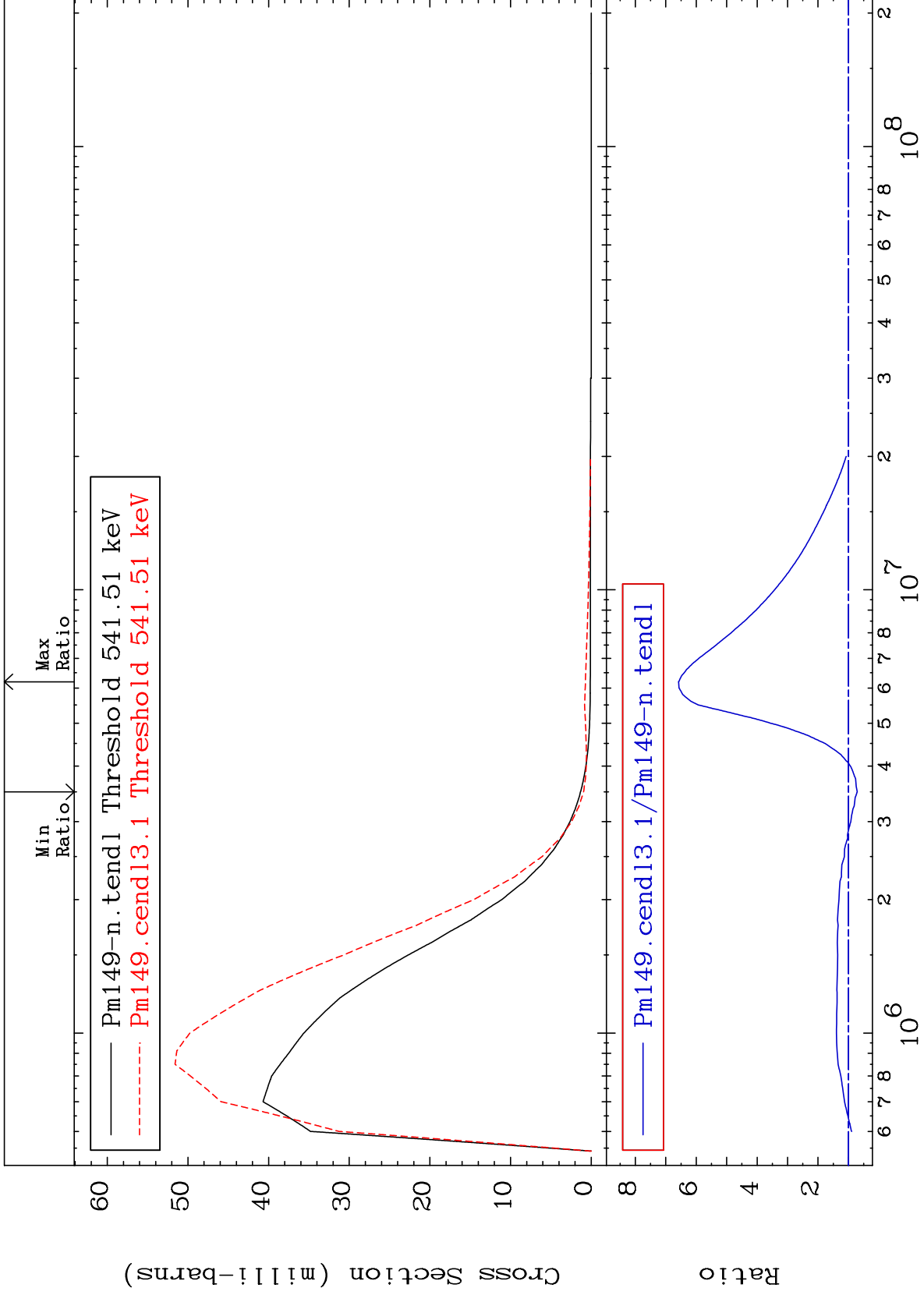
61-Pm-149
-62.22 To 142.7 %



MAT 6155

537.9 keV (n,n') Level
Cross Section

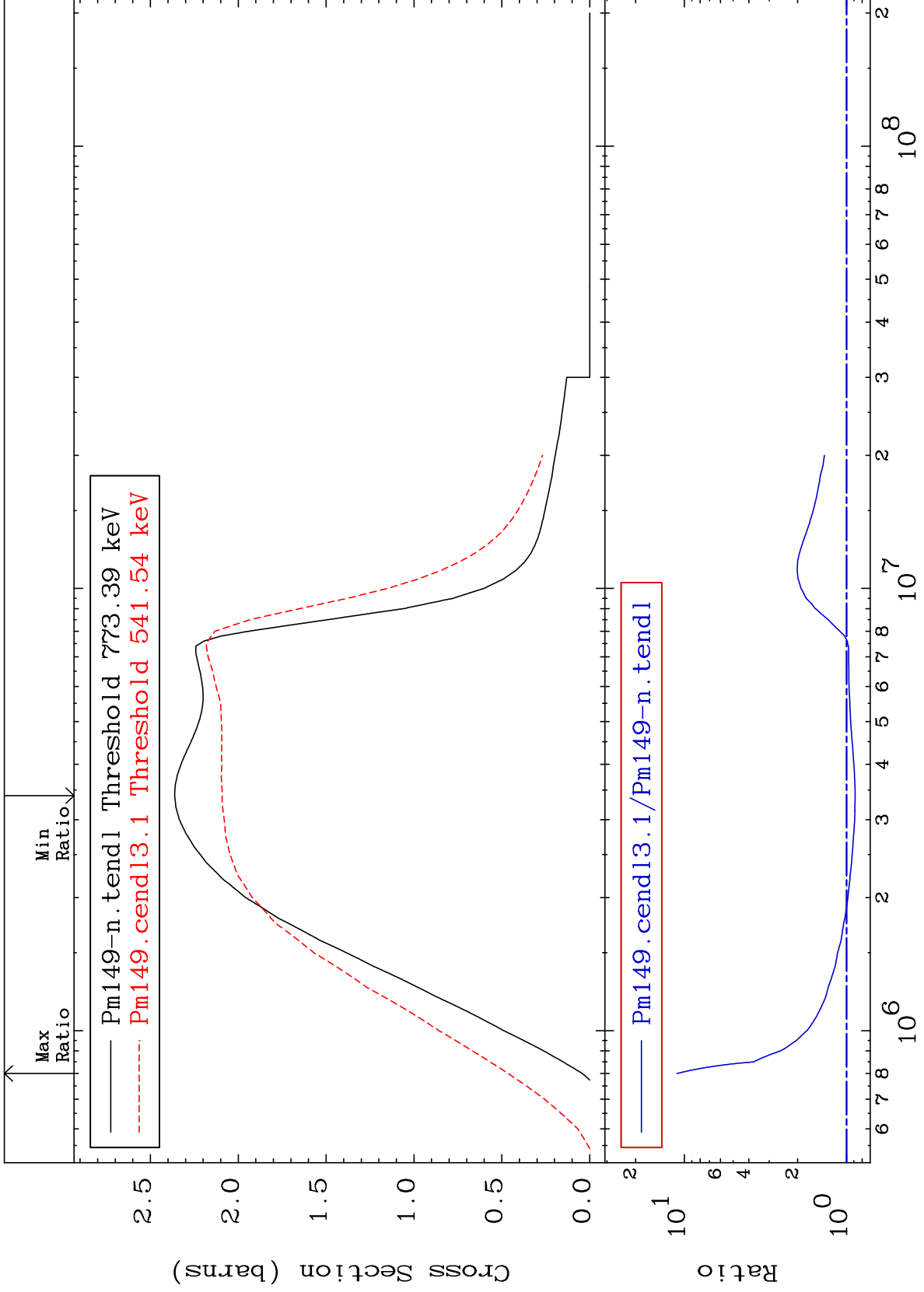
61-Pm-149
-28.86 To 557.8 %



MAT 6155

(n, n') Continuum
Cross Section

61-Pm-149
-11.47 To 1012. %



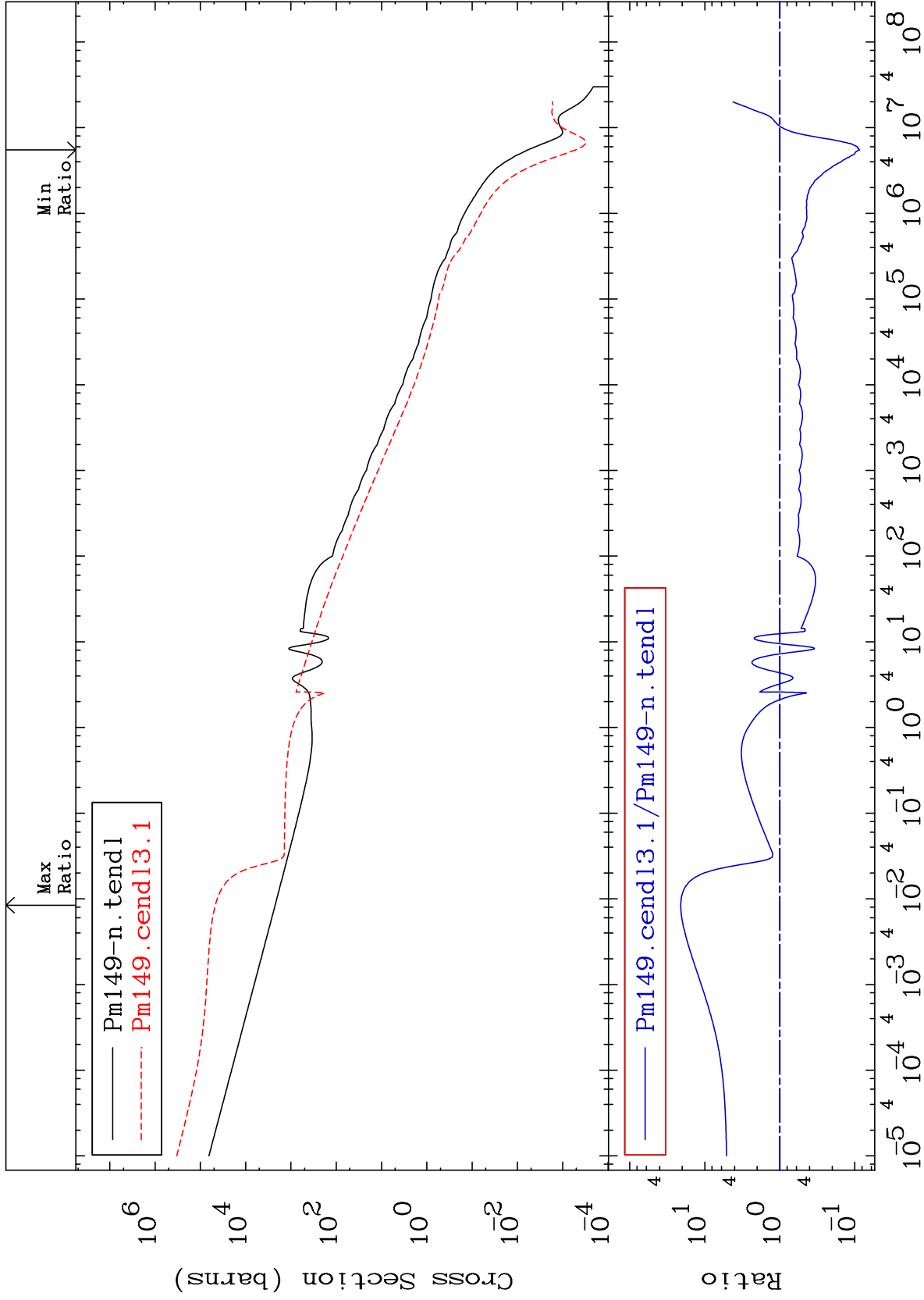
MAT 6155

(n, γ)

61-Pm-149

Cross Section

-91.35 To 1989. %



25

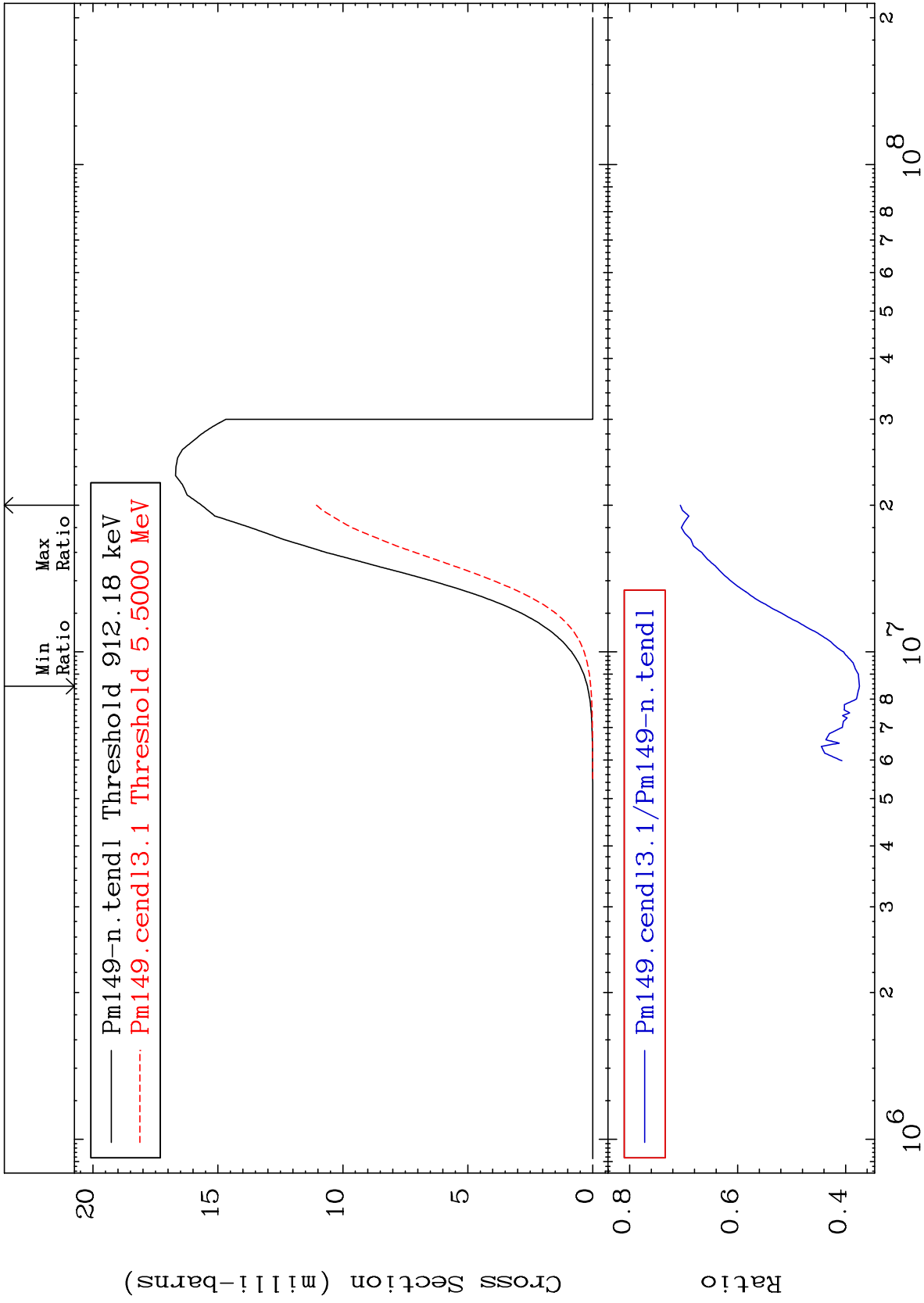
Incident Energy (eV)

61-Pm-149

MAT 6155

61-Pm-149
-62.56 To -29.38%

(n,p)
Cross Section



26

Incident Energy (eV)

61-Pm-149

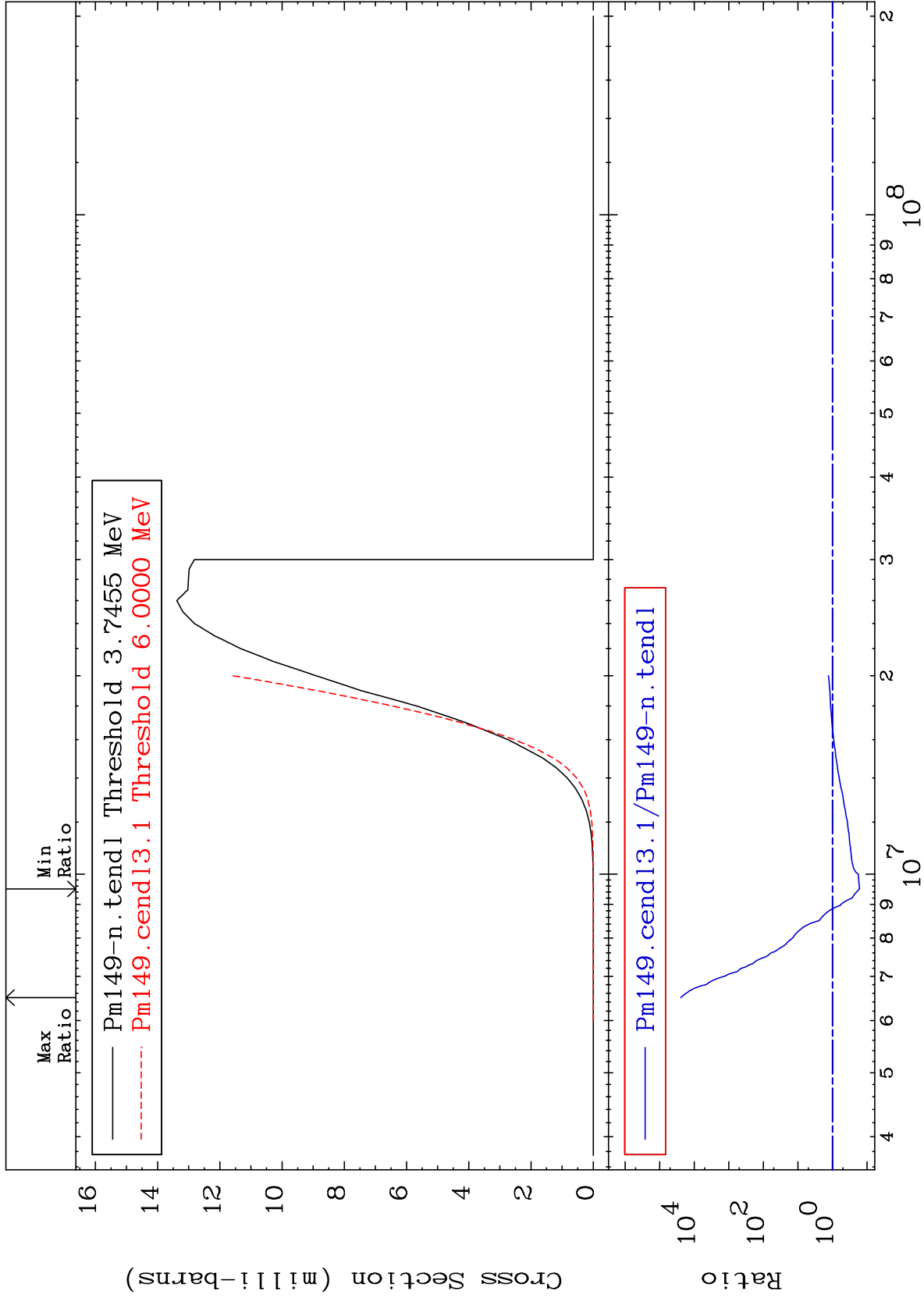
MAT 6155

(n, d)

61-Pm-149

Cross Section

-83.51 To 9999. %



27

61-Pm-149

61-Pm-149

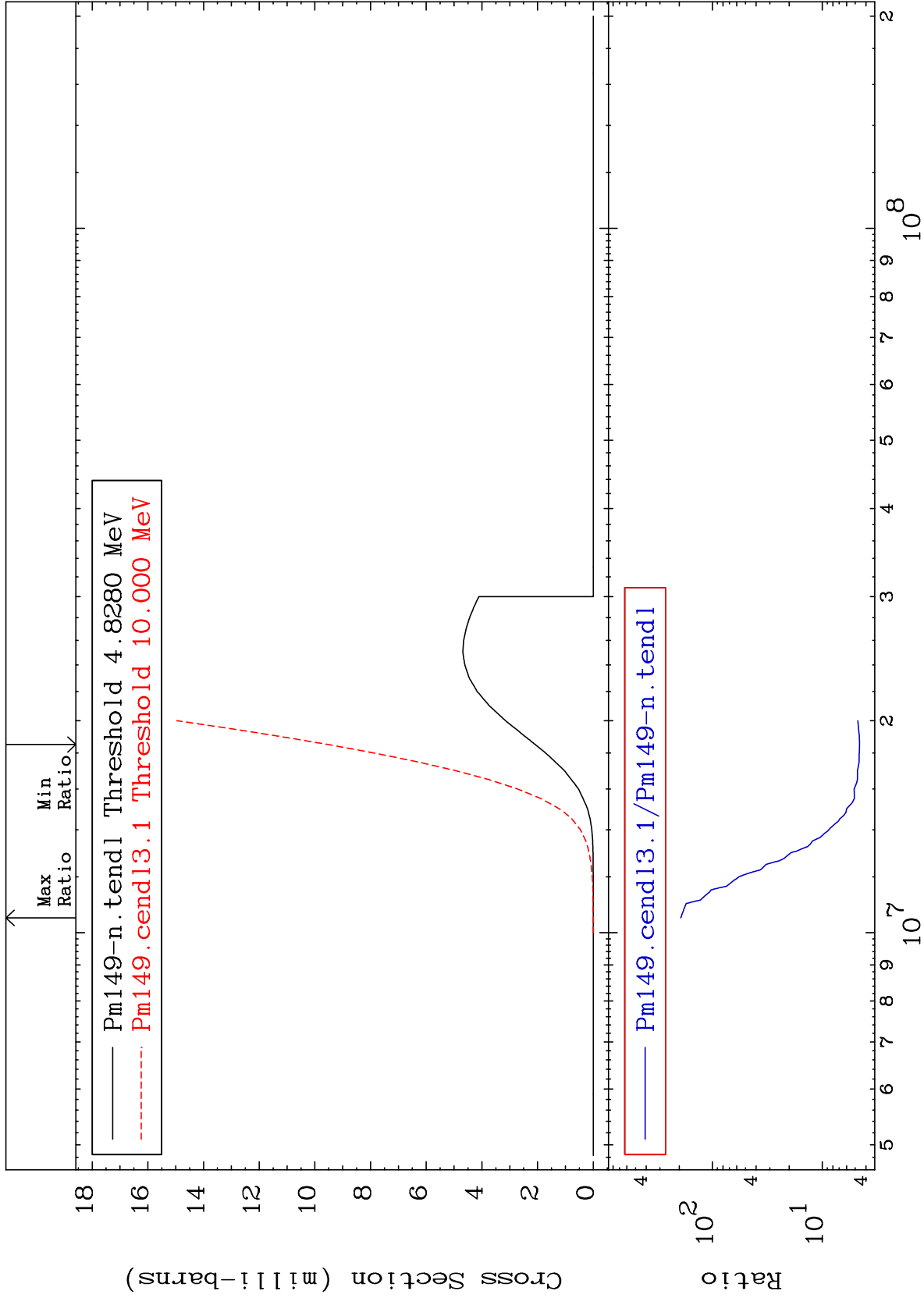
MAT 6155

(n, t)

61-Pm-149

Cross Section

357.2 To 9999. %



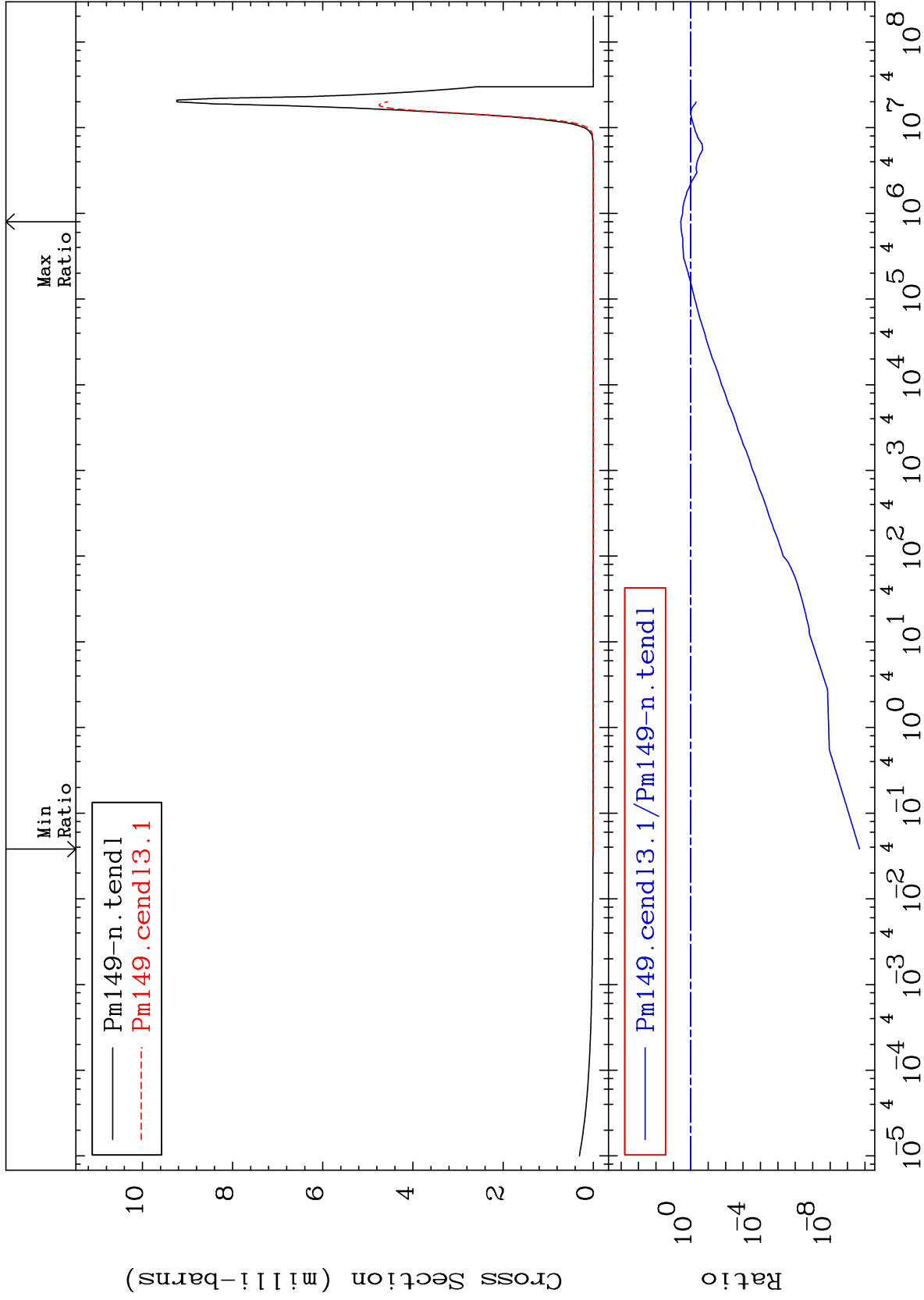
MAT 6155

(n, α)

61-Pm-149

Cross Section

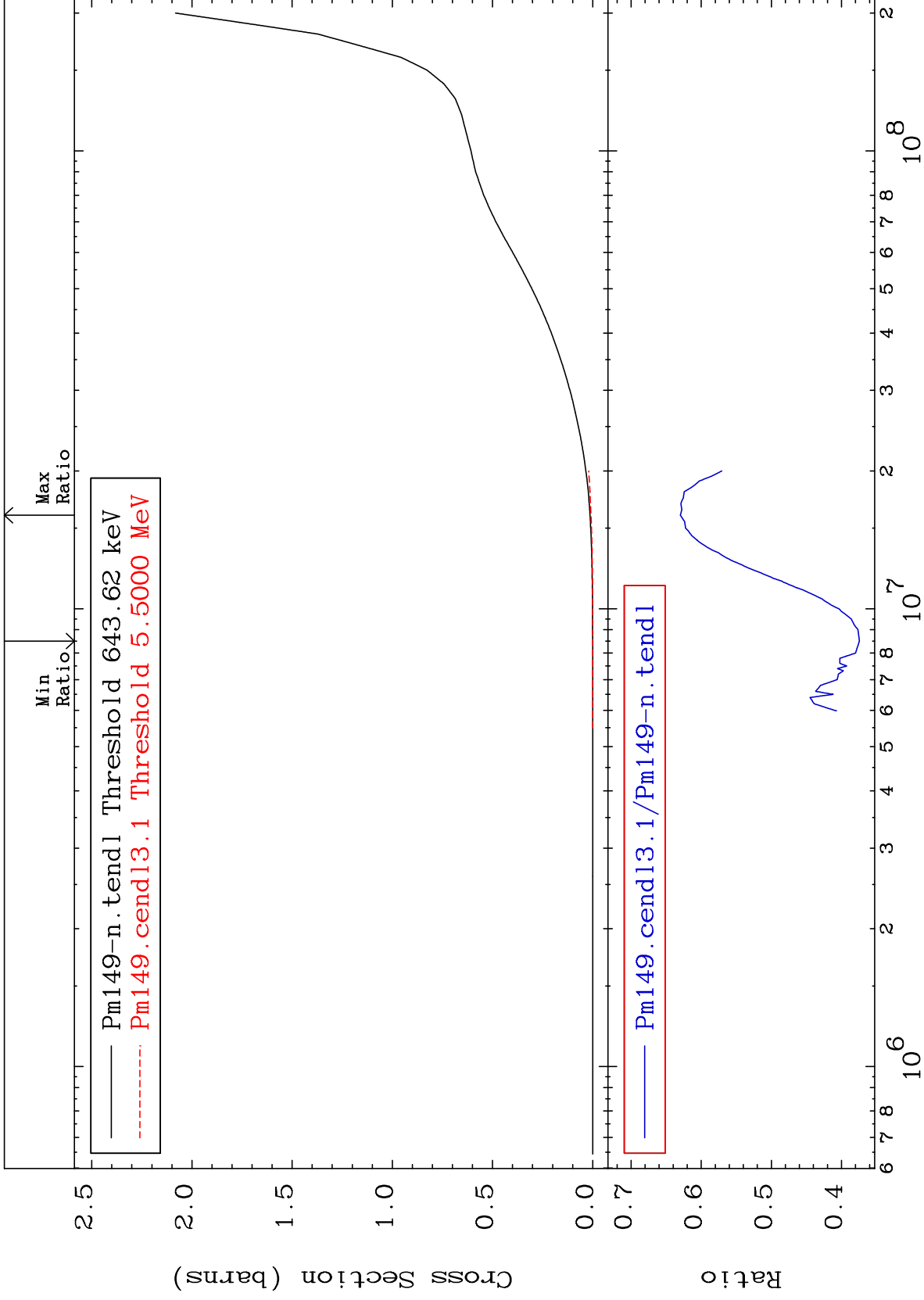
-100.0 To 276.7 %



MAT 6155

Hydrogen Production
Cross Section

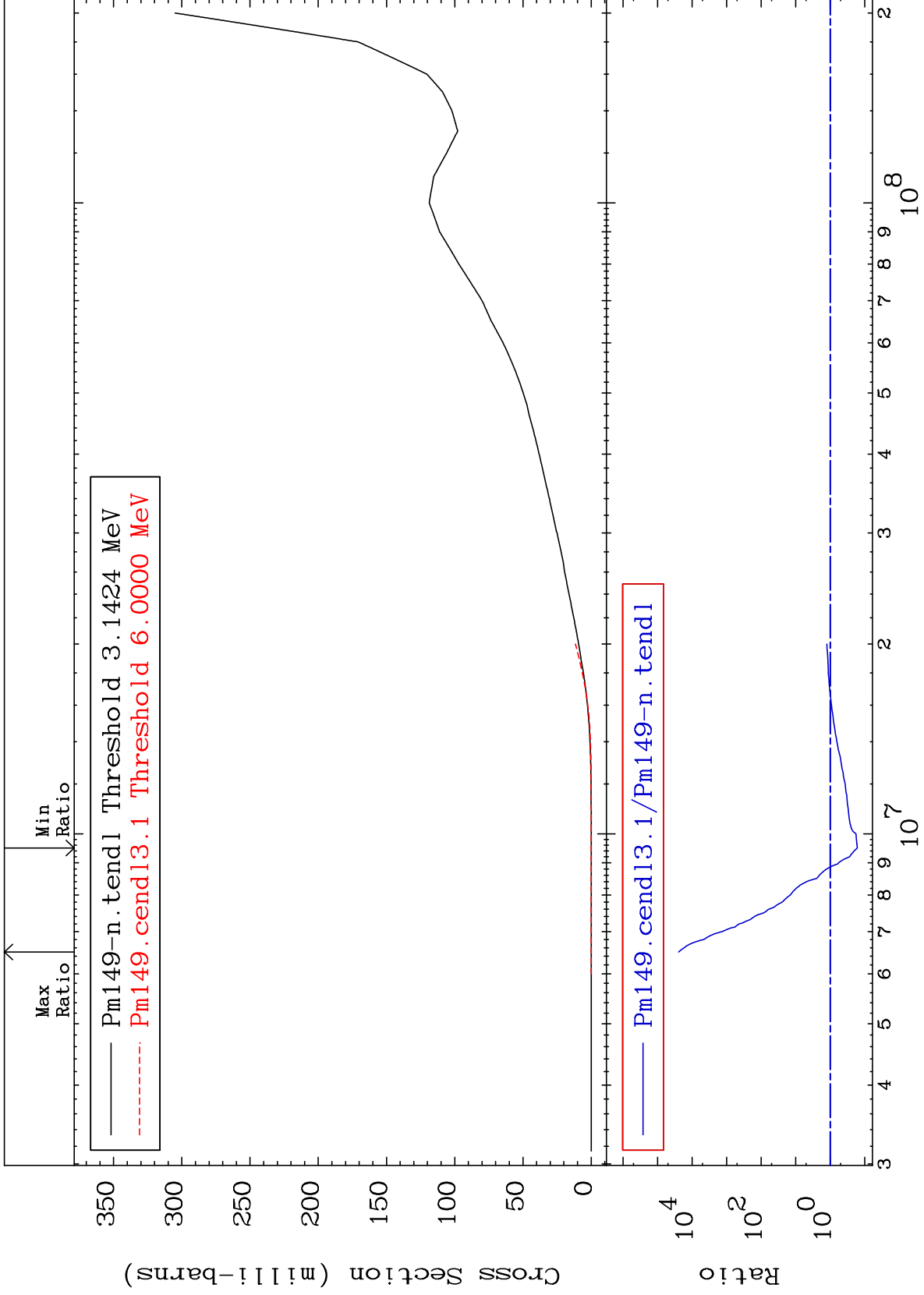
61-Pm-149
-62.56 To -37.03%



30

Incident Energy (eV)

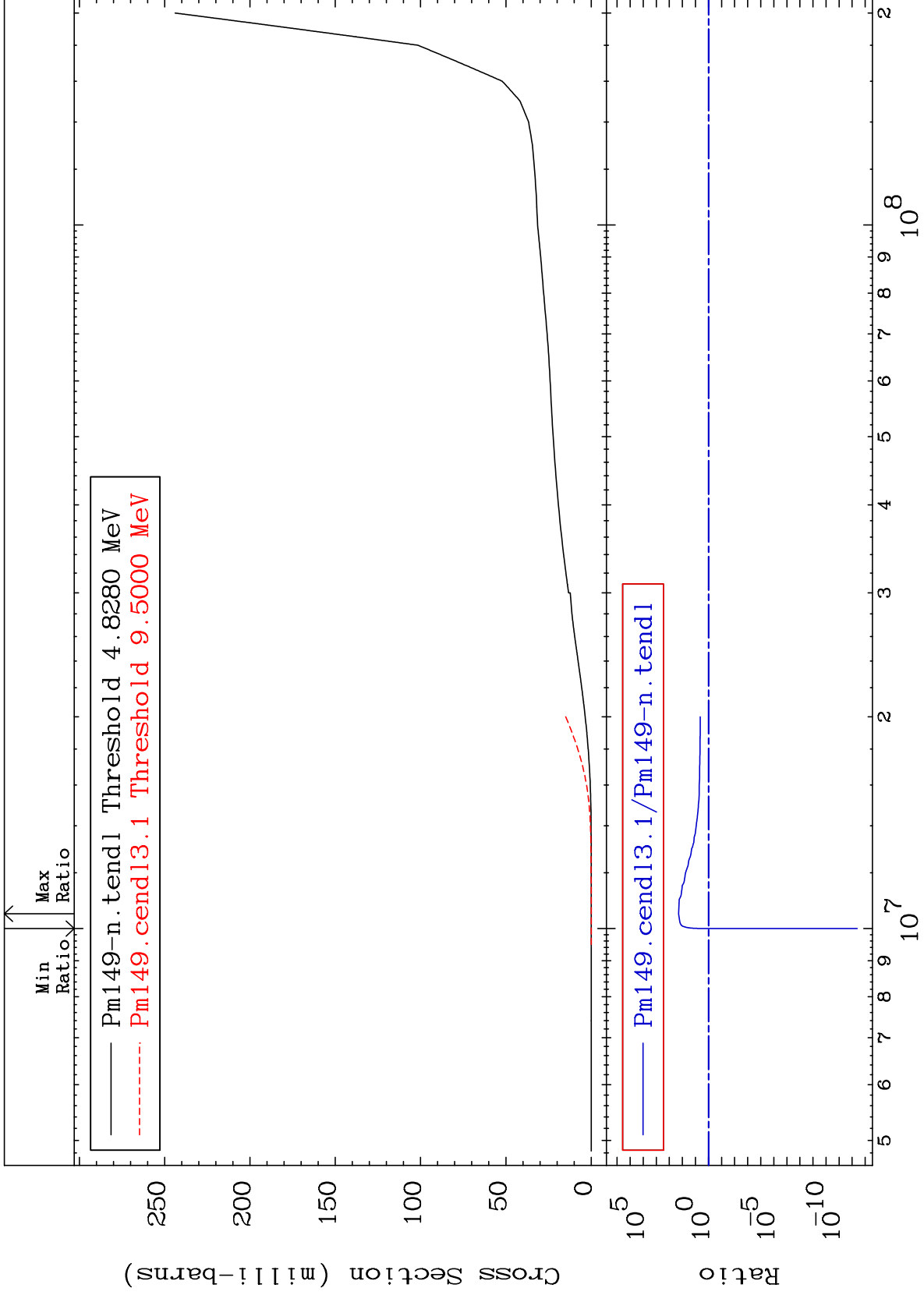
61-Pm-149



MAT 6155

Tritium Production
Cross Section

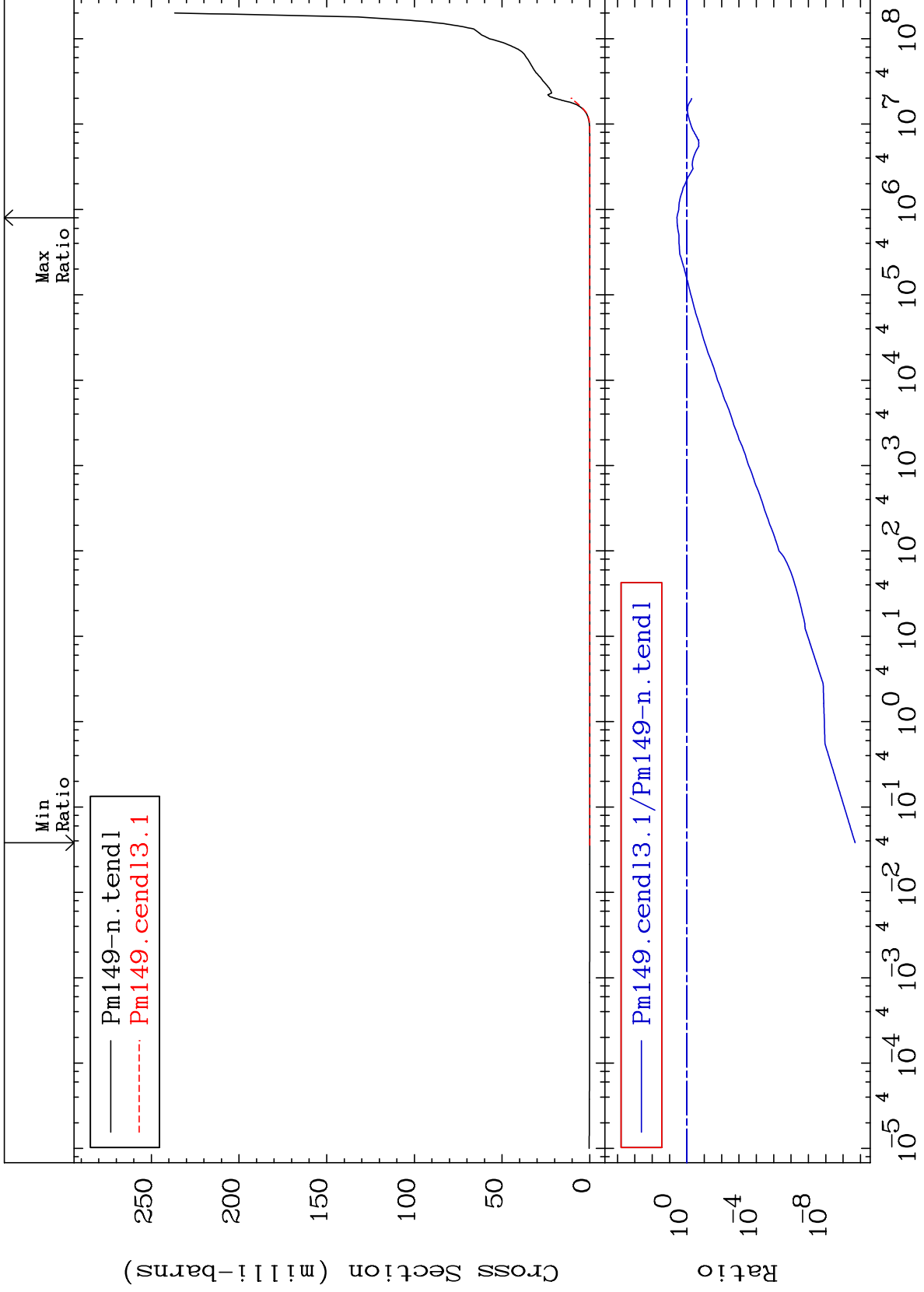
61-Pm-149
-100.0 To 9999. %



MAT 6155

He-4 Production
Cross Section

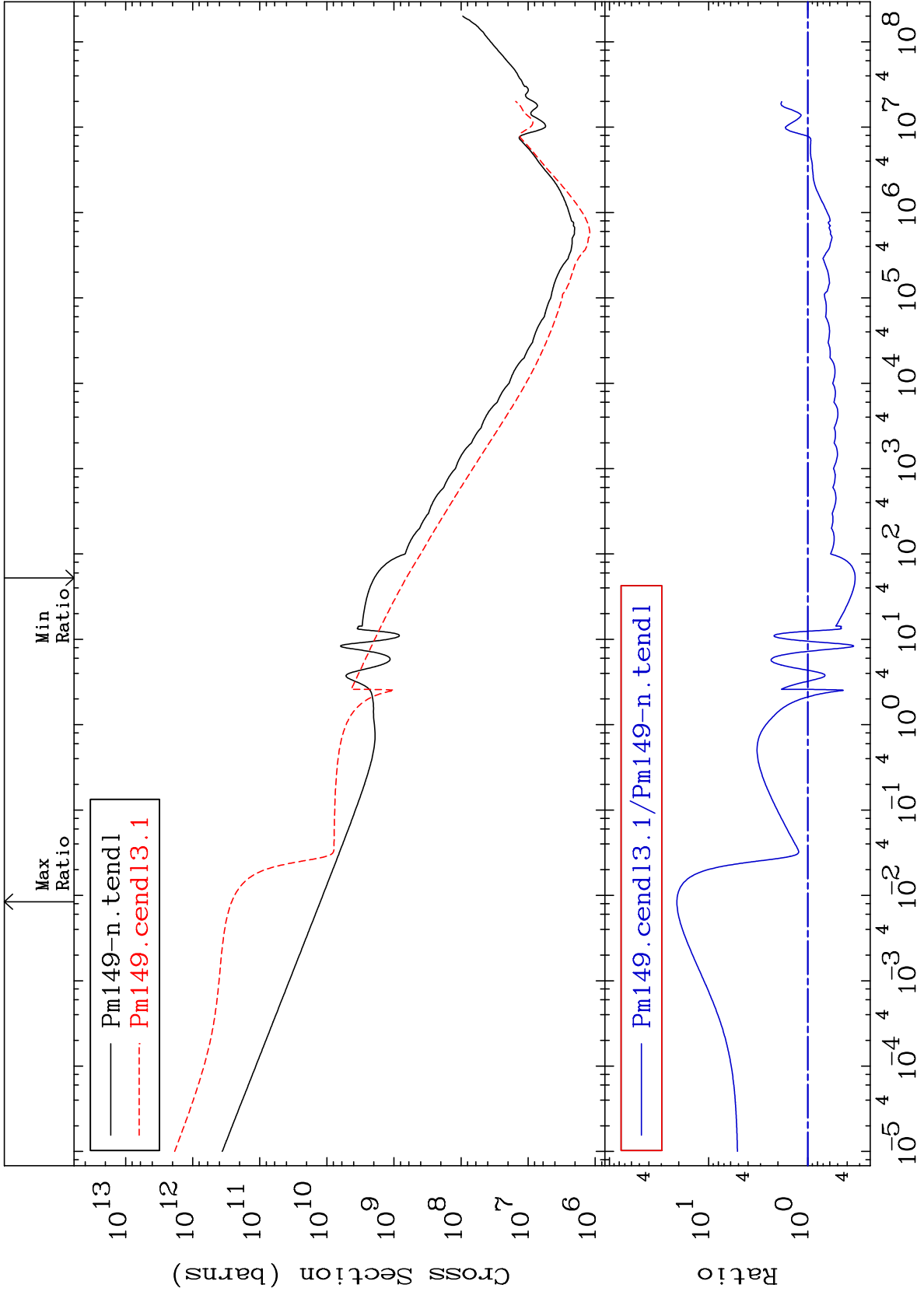
61-Pm-149
-100.0 To 276.7 %



MAT 6155

Kerma total (eV-barns)
Cross Section

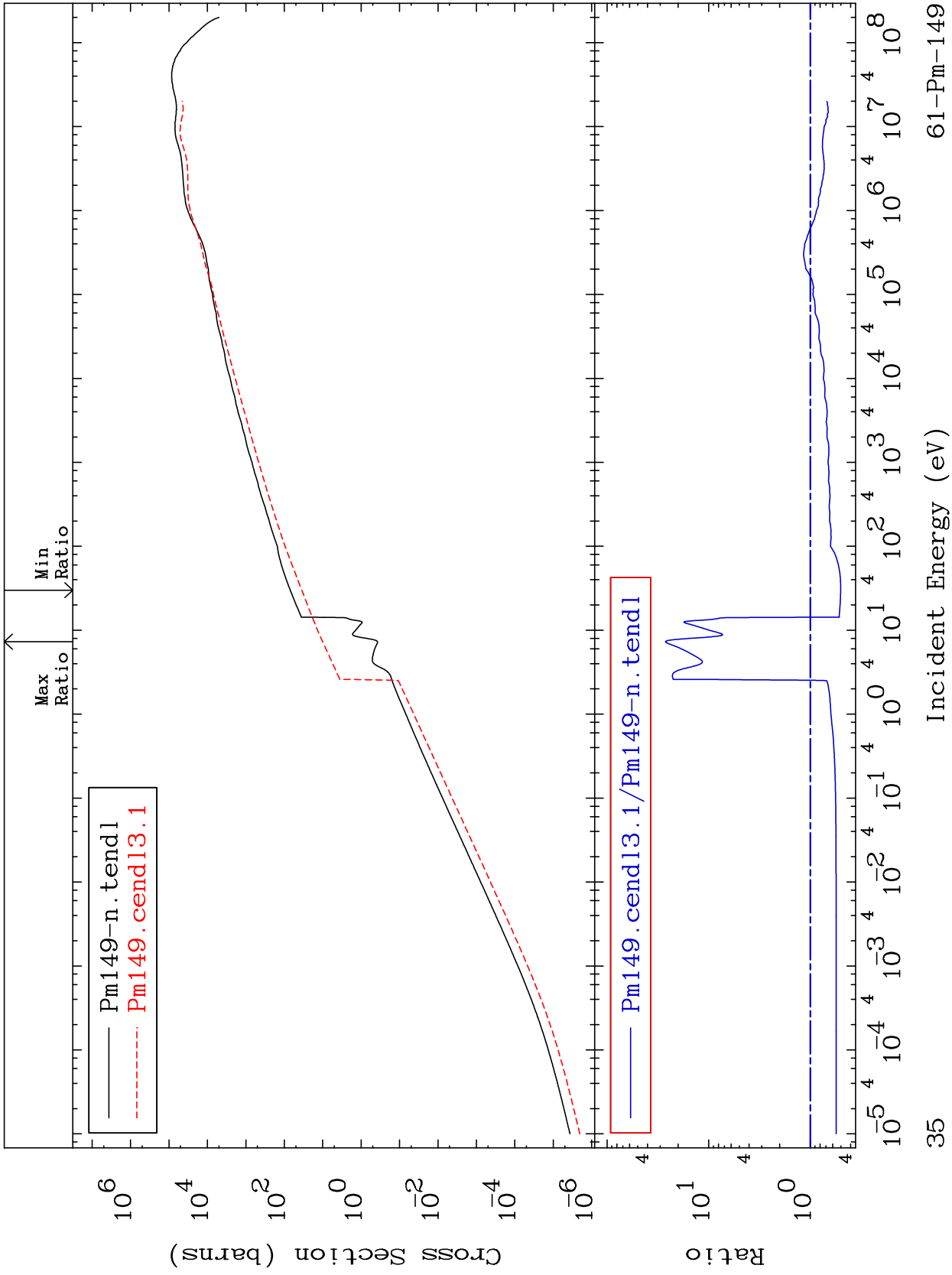
61-Pm-149
-66.62 To 1990. %

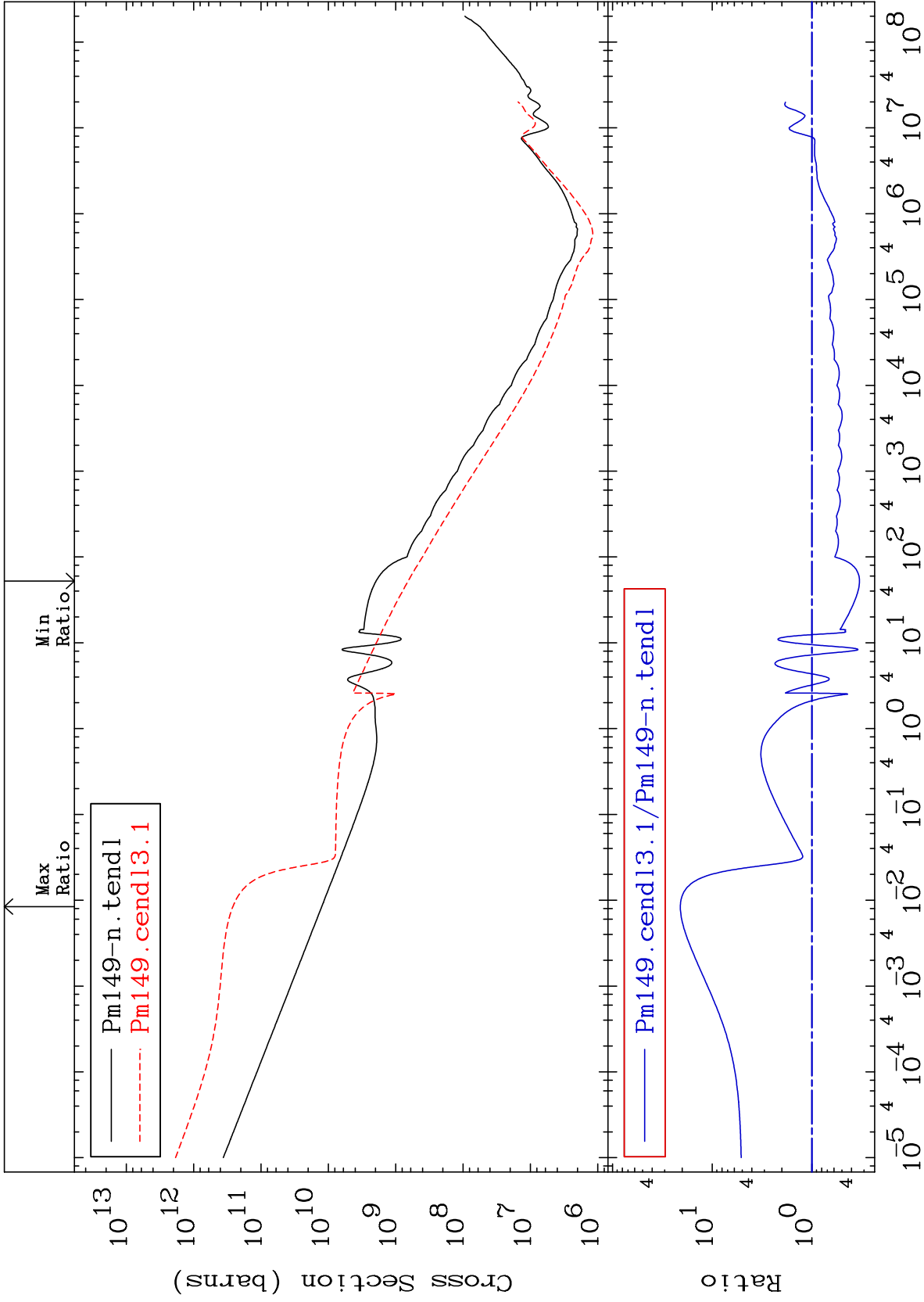


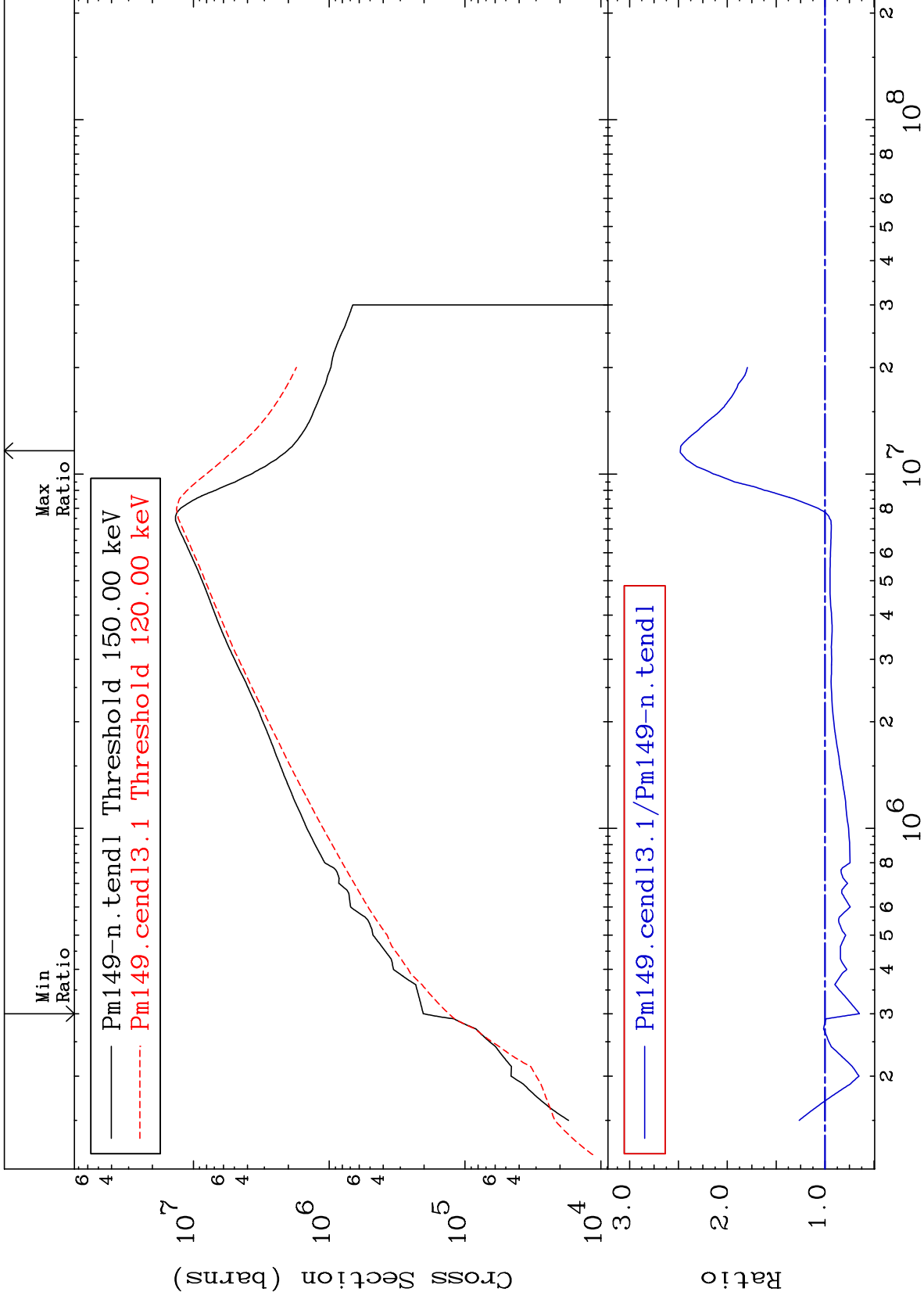
MAT 6155

Kerma elastic
Cross Section

61-Pm-149
-49.81 To 2561. %



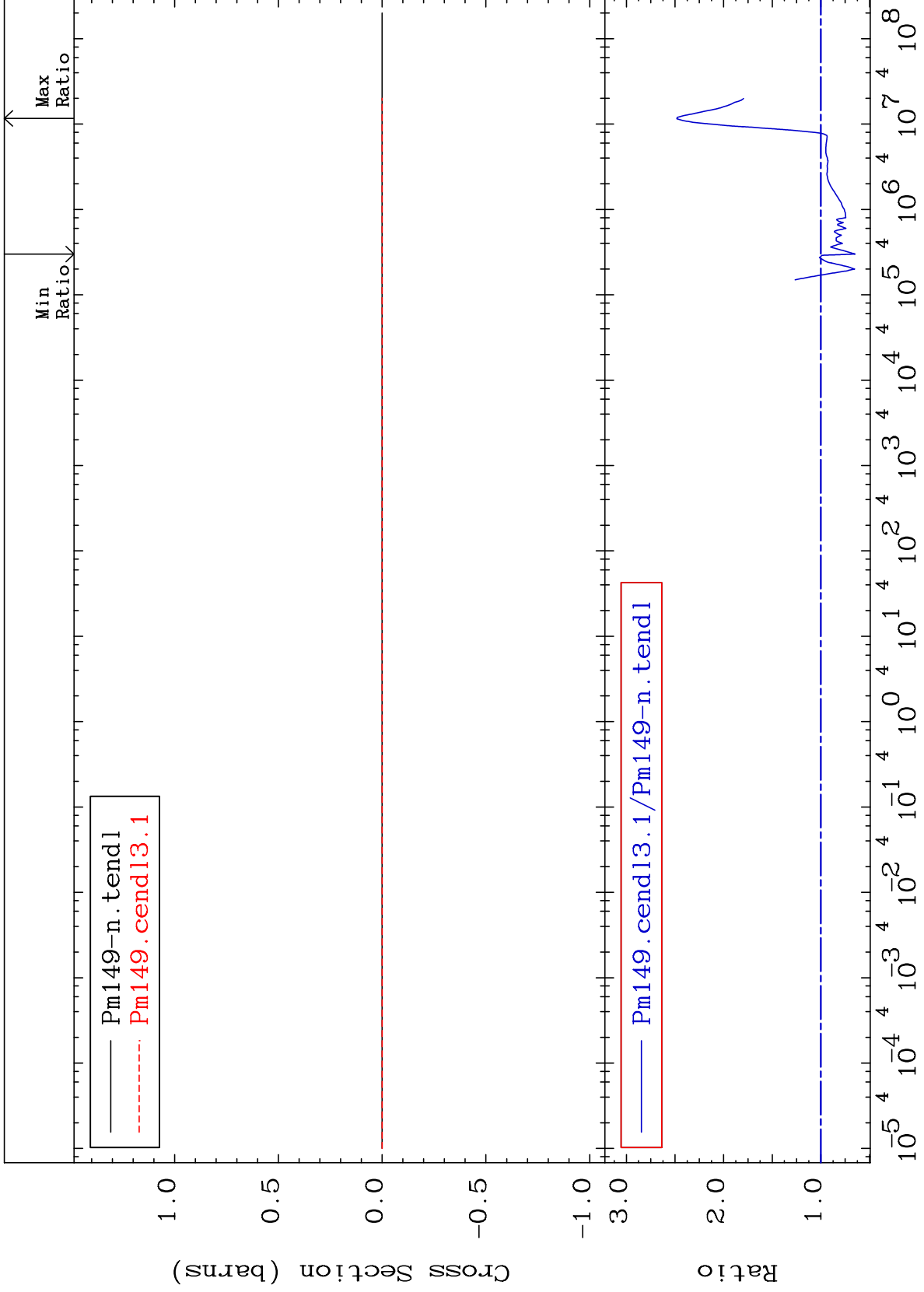




MAT 6155

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

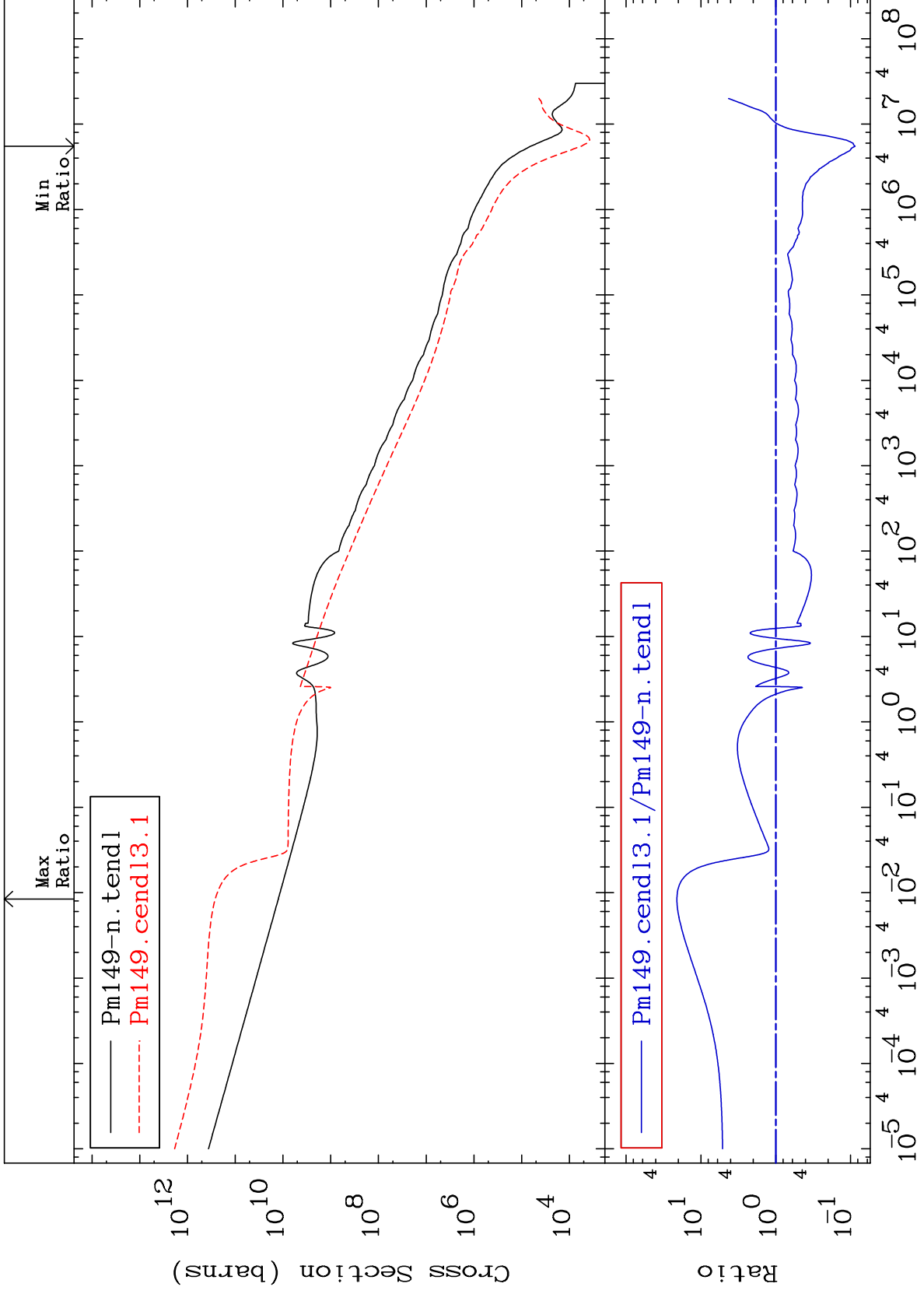
61-Pm-149
-35.17 To 148.1 %



MAT 6155

Kerma capture (mt102)
Cross Section

61-Pm-149
-91.29 To 1990. %

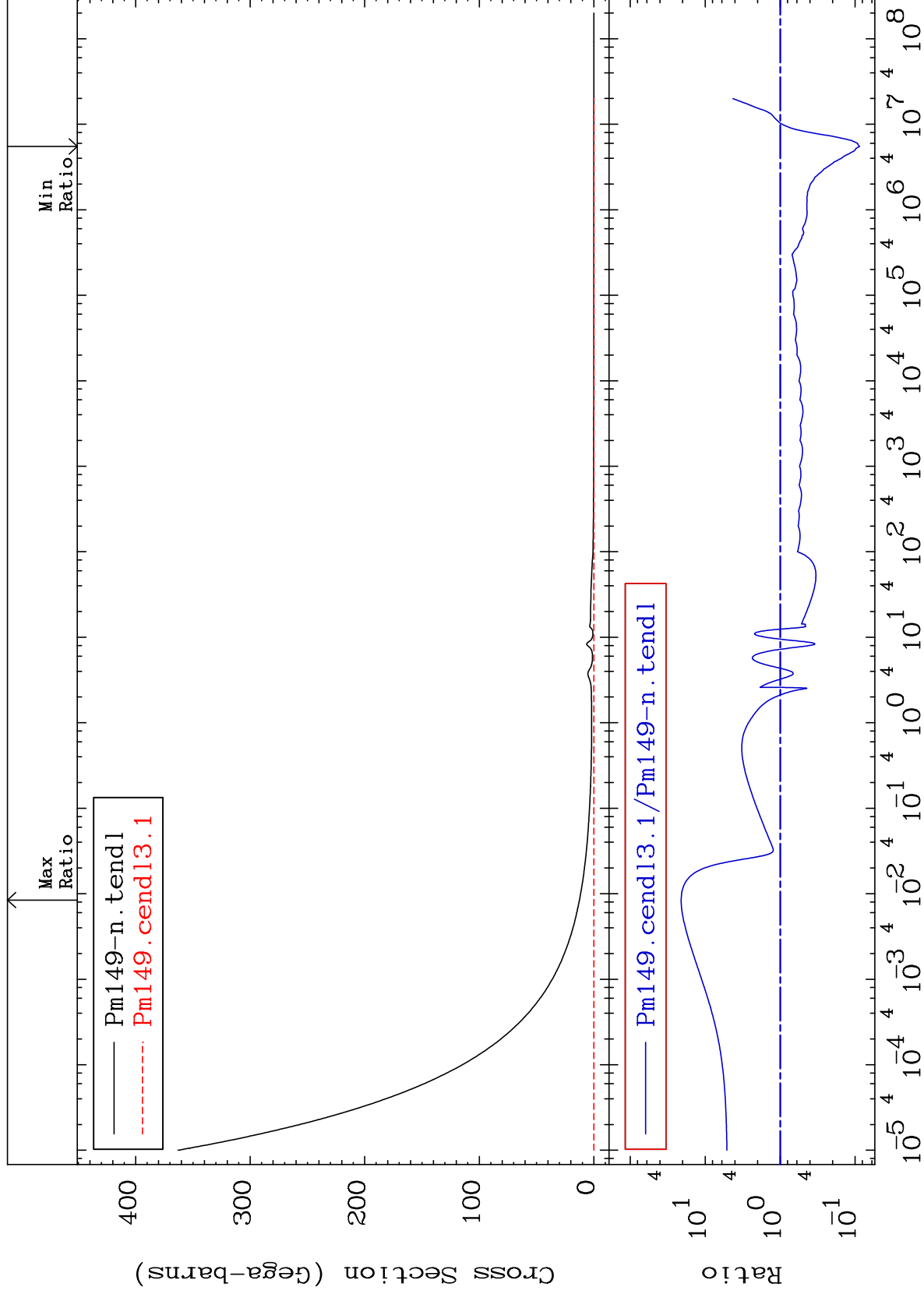


MAT 6155

Total photon (eV-barns)
Cross Section

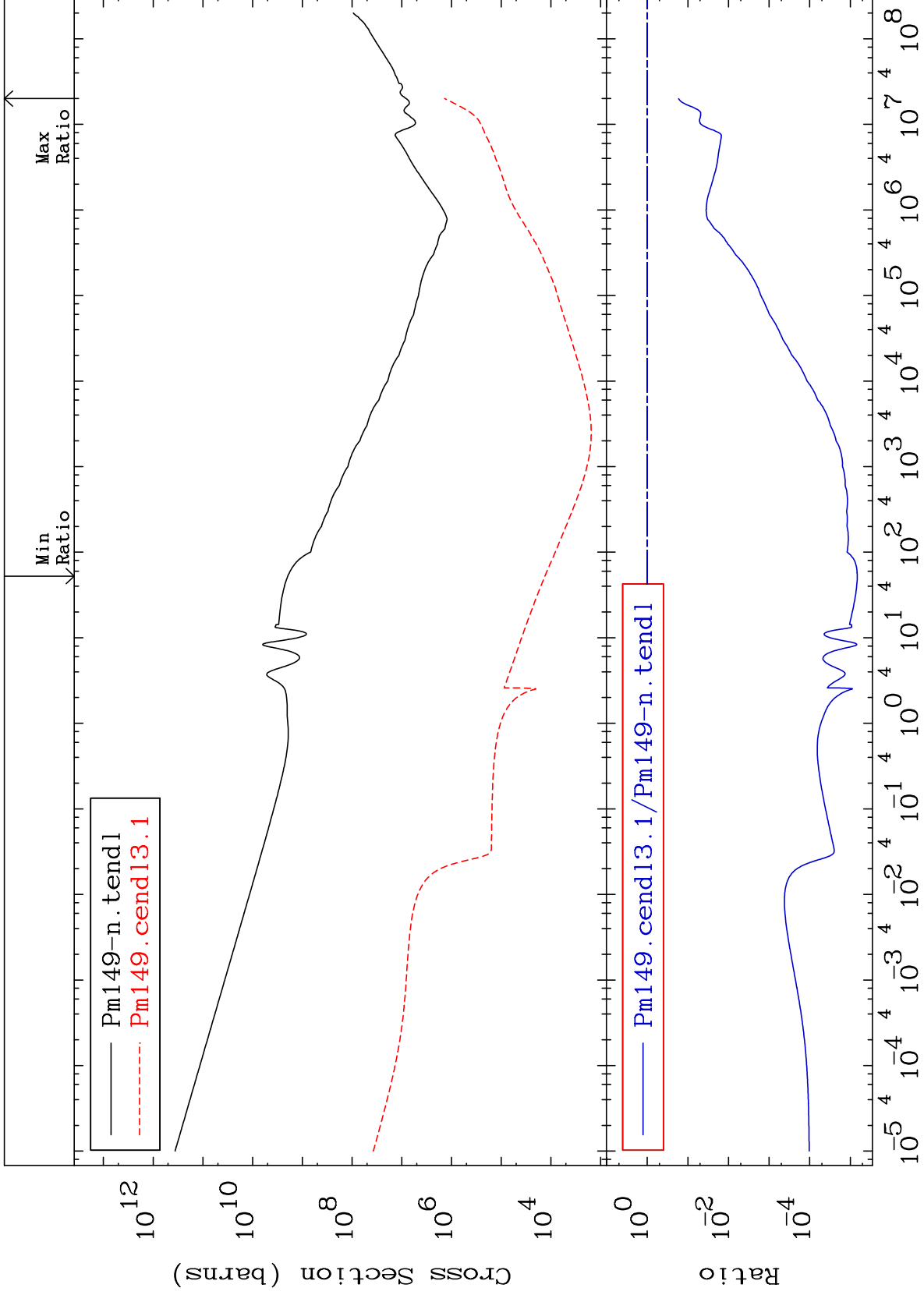
61-Pm-149

-91.29 To 1990. %



Incident Energy (eV)

61-Pm-149



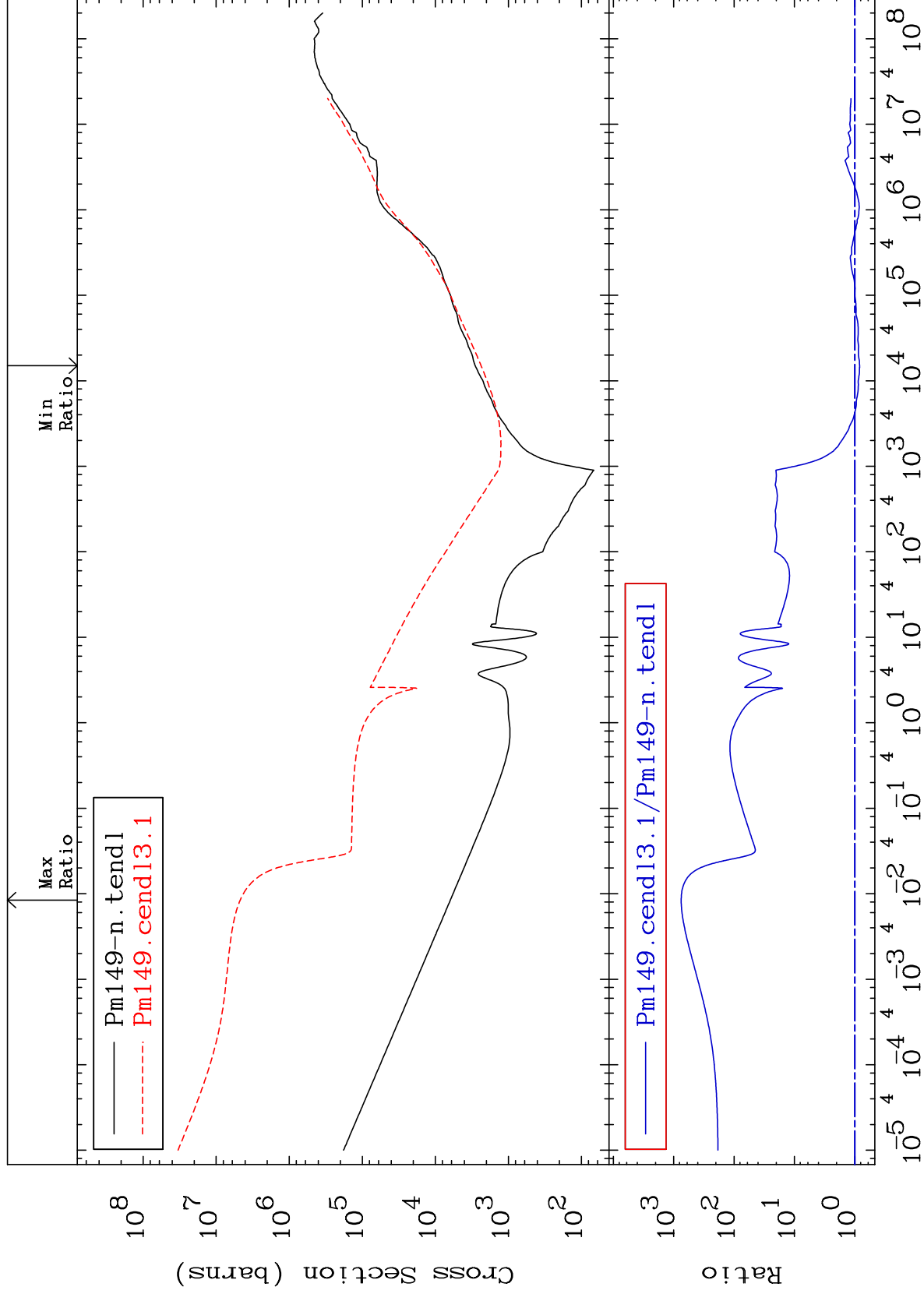
MAT 6155

Dpa total (eV-barns)

61-Pm-149

-16.92 To 9999. %

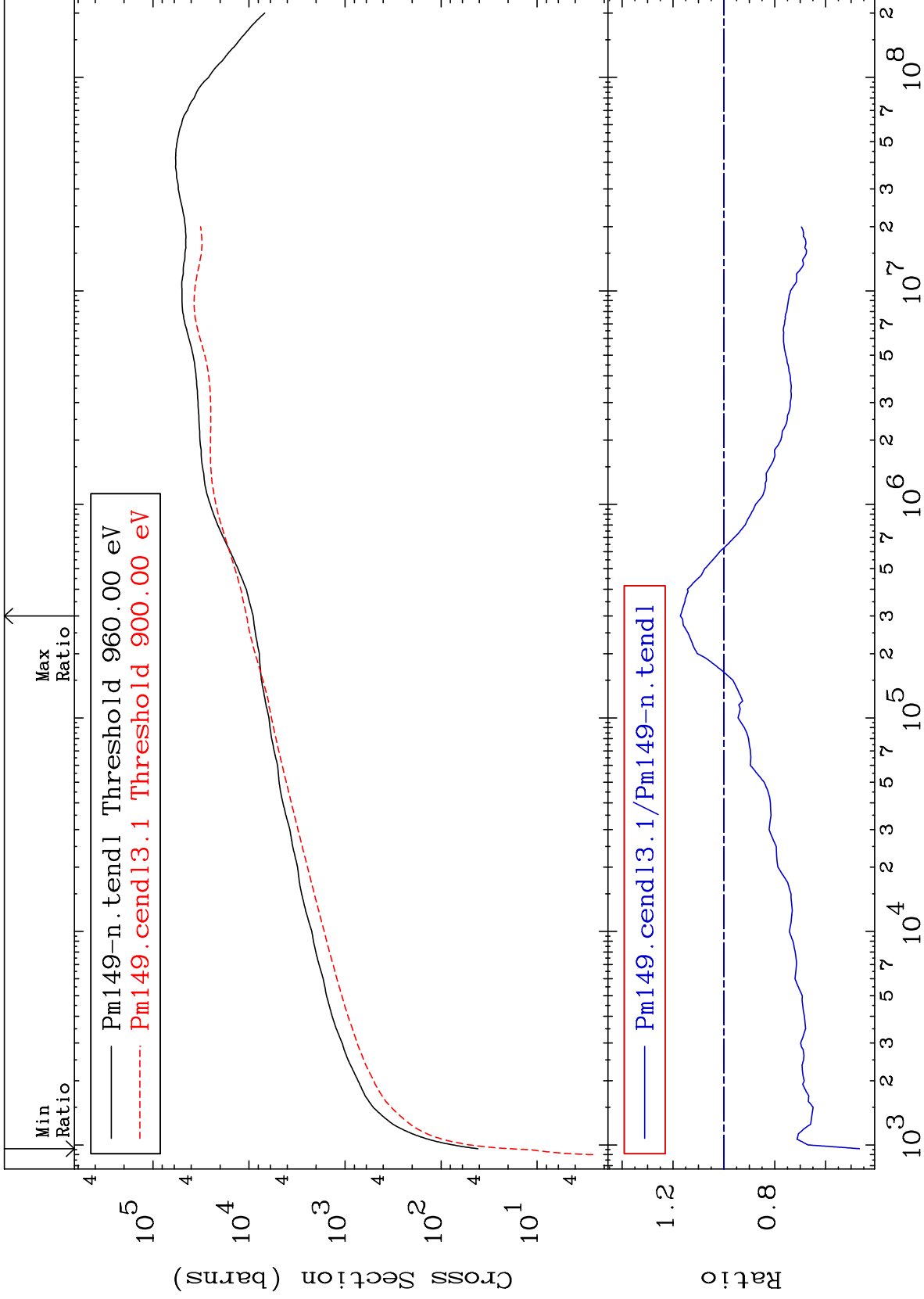
Cross Section



MAT 6155

Dpa elastic (mt2)
Cross Section

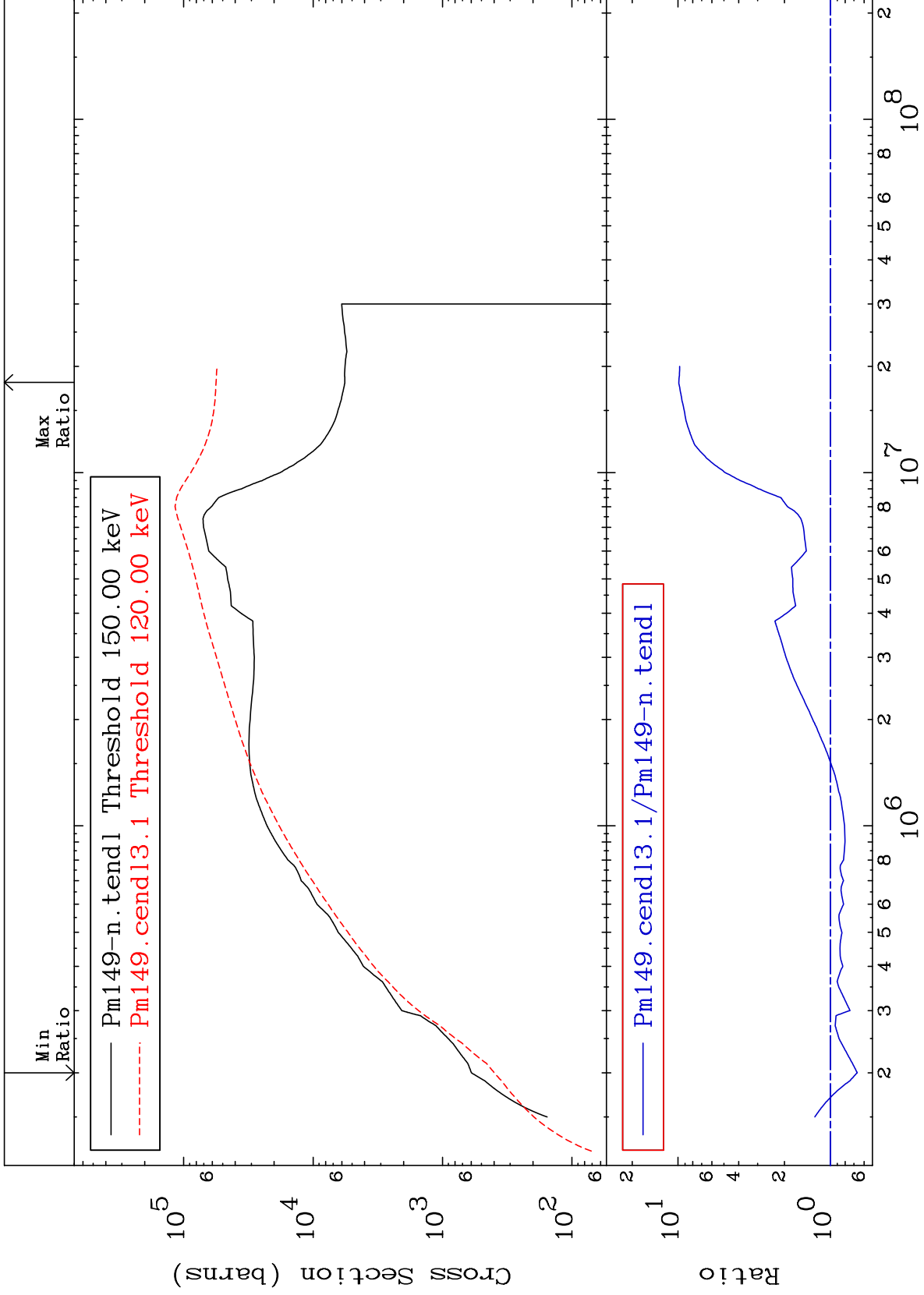
61-Pm-149
-53.29 To 17.14 %



MAT 6155

Dpa inelastic (mt51-91)
Cross Section

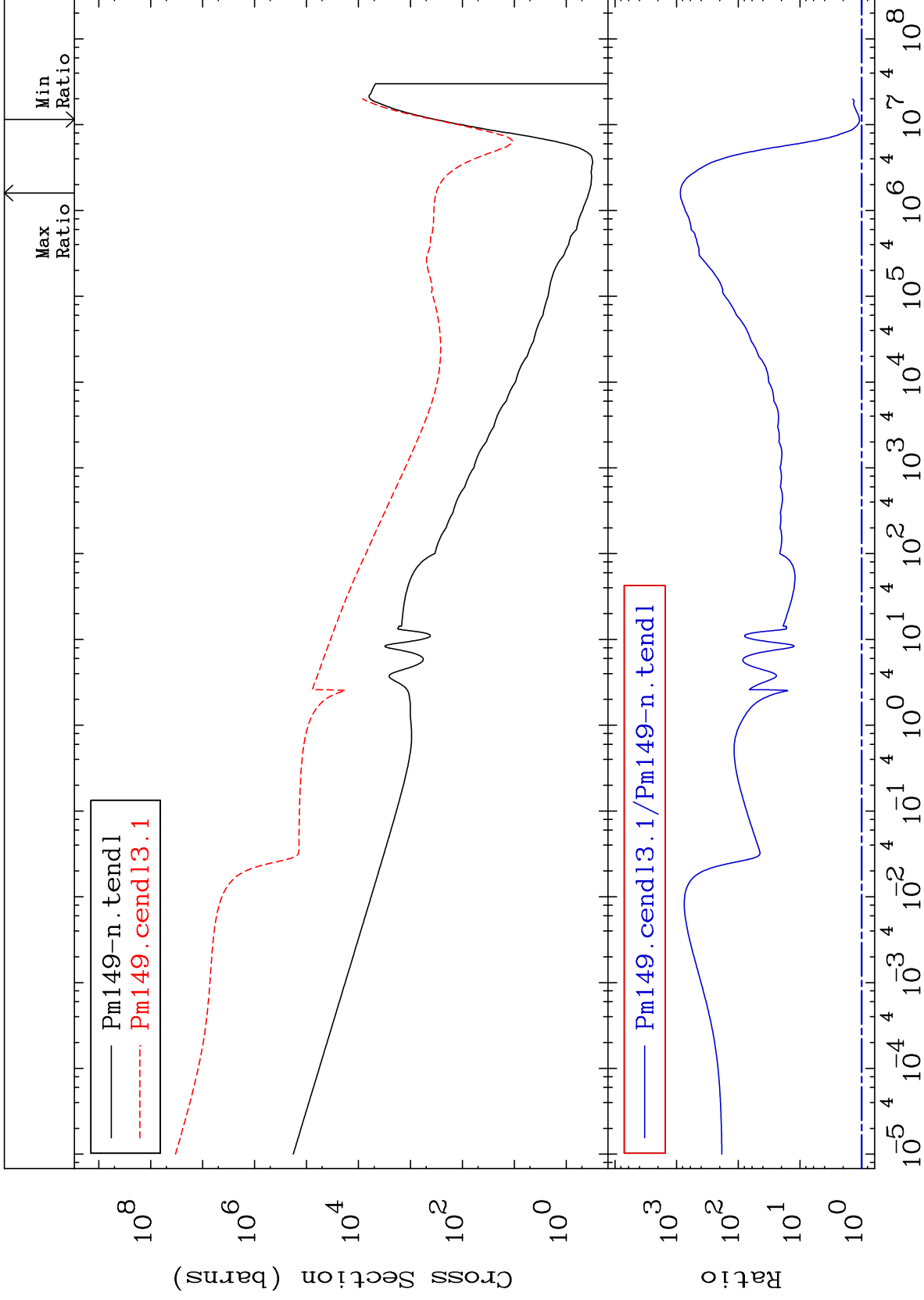
61-Pm-149
-33.37 To 890.9 %



MAT 6155

Dpa disappearance (mt102 -120)
Cross Section

61-Pm-149
8.560 To 9999. %



Incident Energy (eV)

61-Pm-149

45