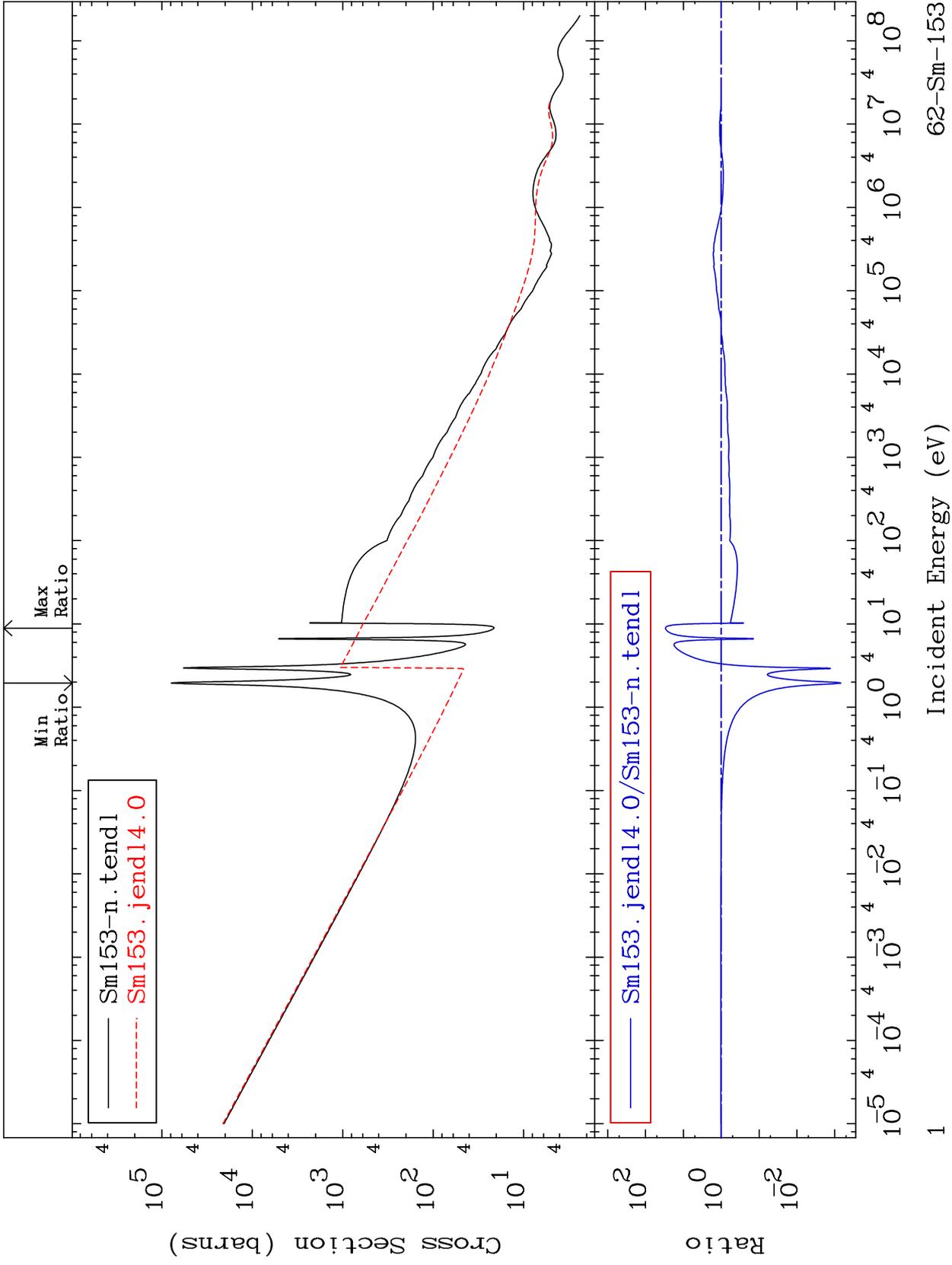


MAT 6252

Total Cross Section
62-Sm-153
-99.93 To 2869. %

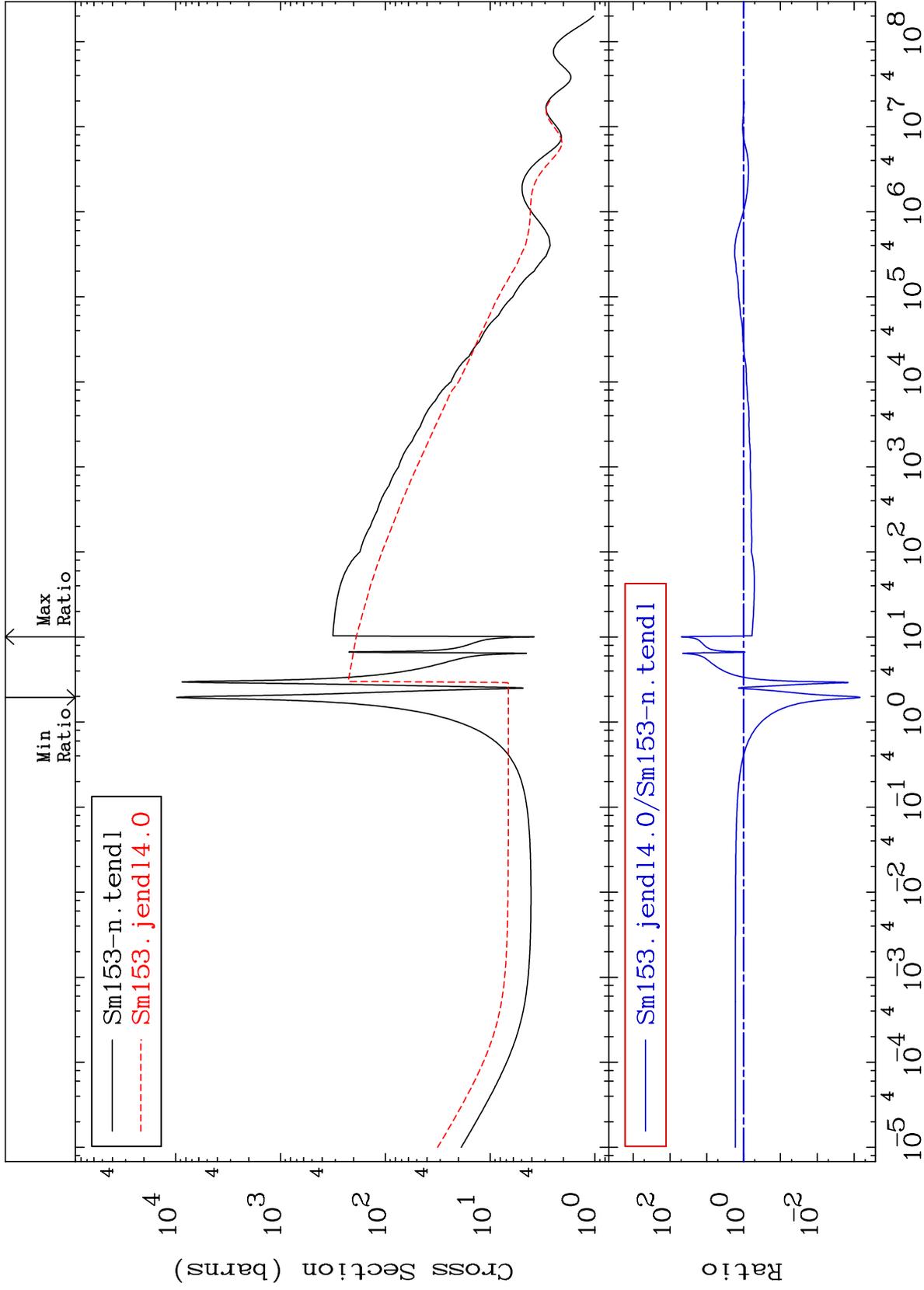


MAT 6252

62-Sm-153

-99.93 To 4869. %

Elastic
Cross Section



62-Sm-153

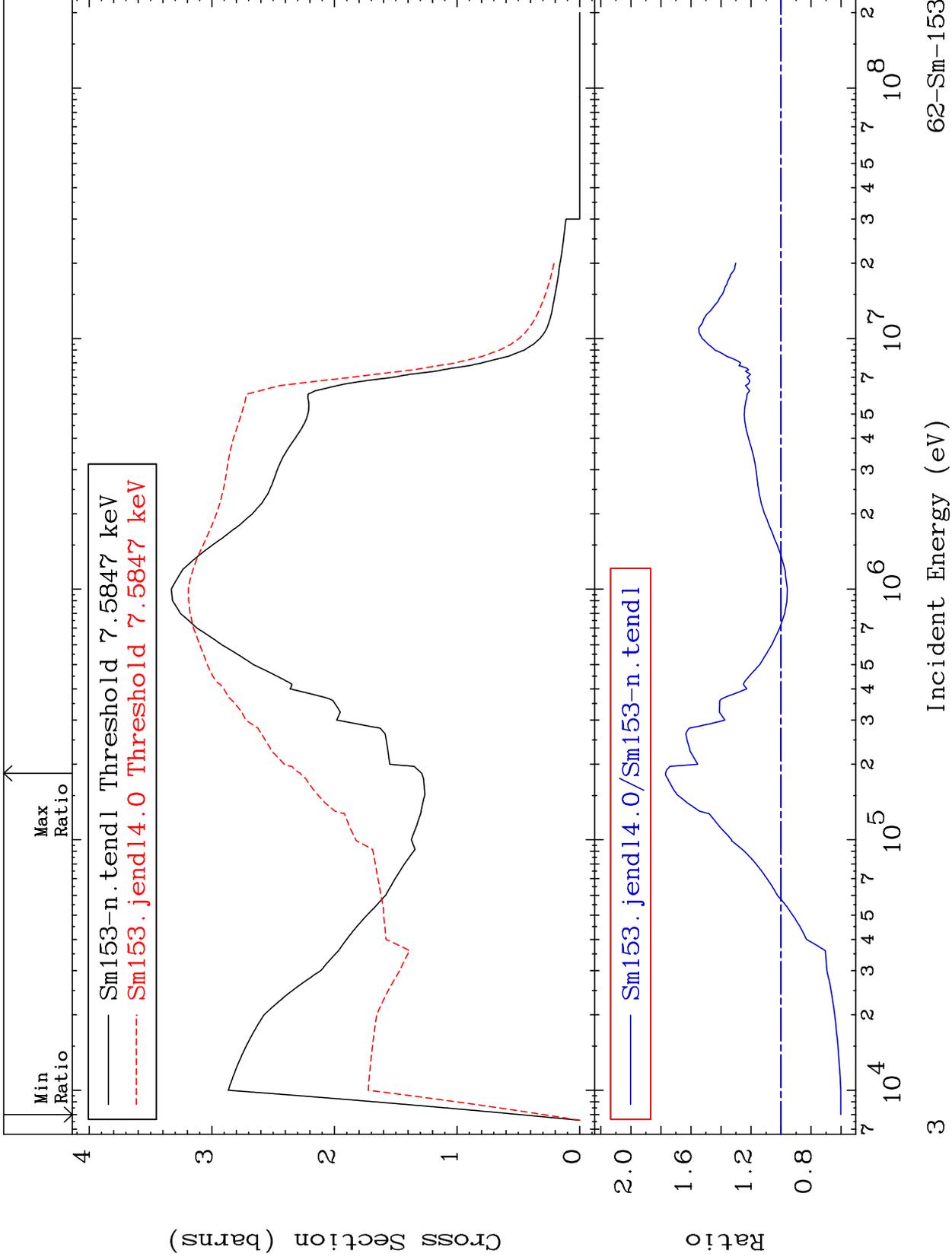
Incident Energy (eV)

2

MAT 6252

Inelastic
Cross Section

62-Sm-153
-39.82 To 76.93 %



3

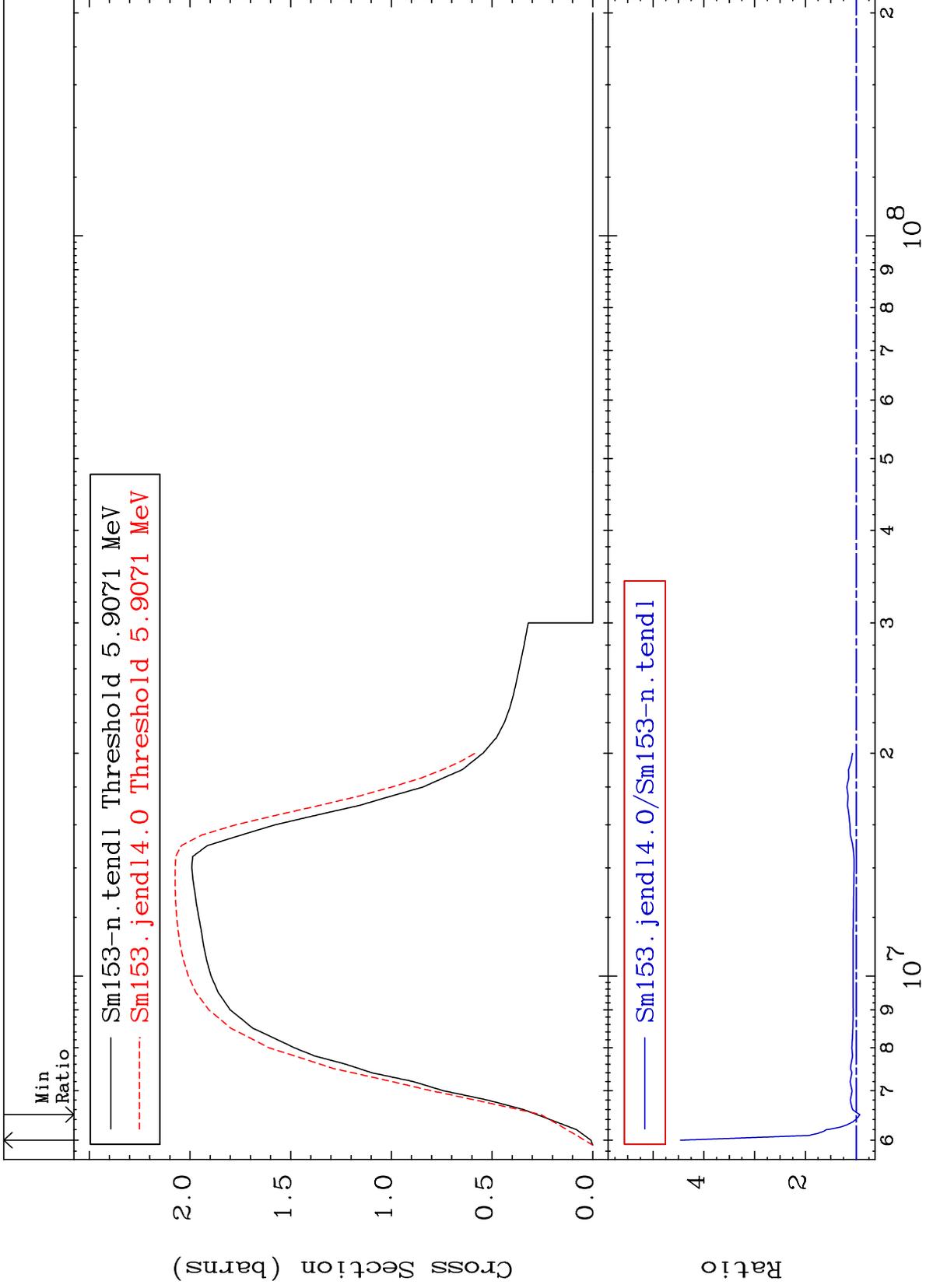
Incident Energy (eV)

62-Sm-153

MAT 6252

(n,2n)
Cross Section

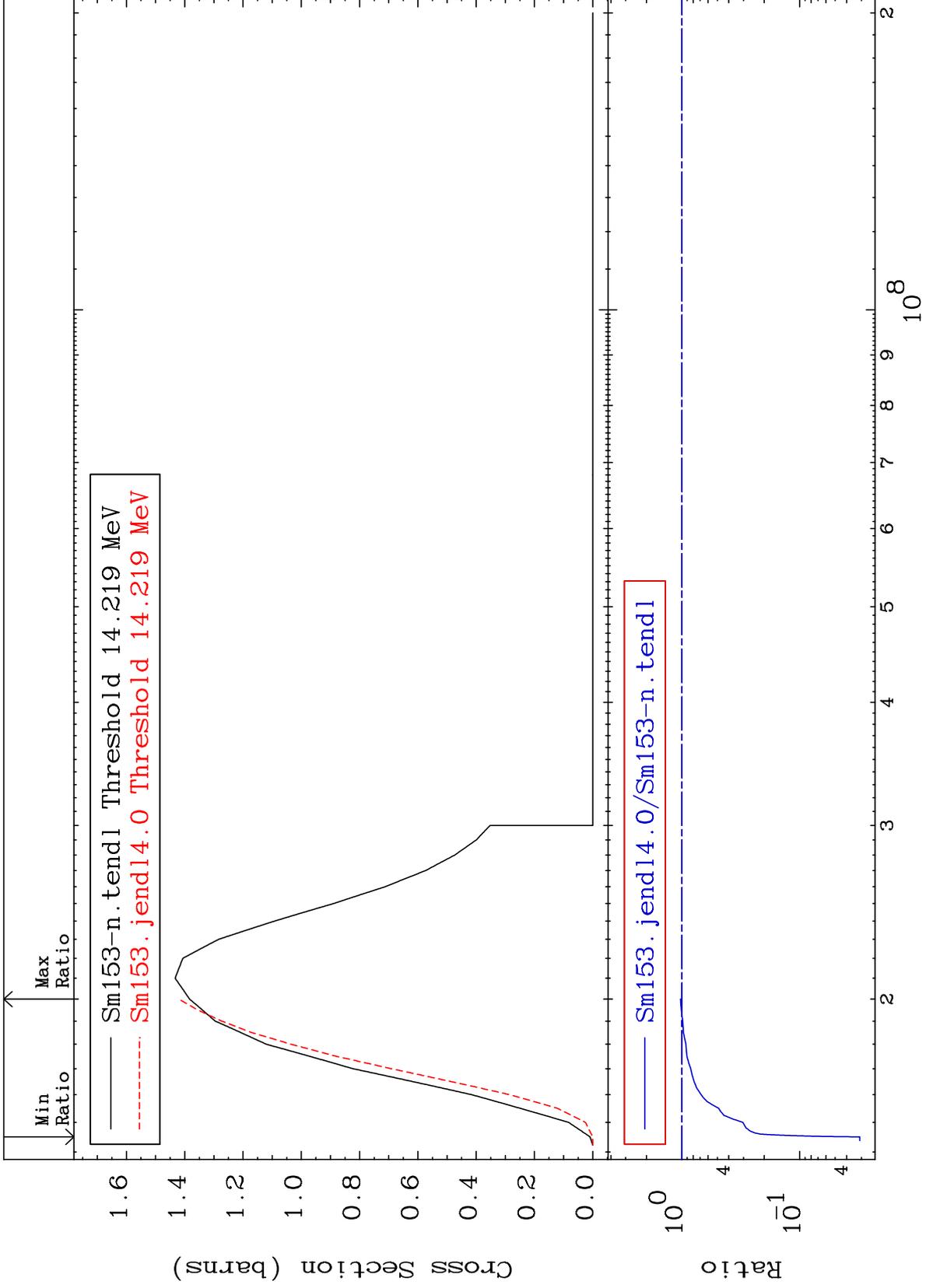
62-Sm-153
-7.087 To 346.0 %



MAT 6252

(n,3n)
Cross Section

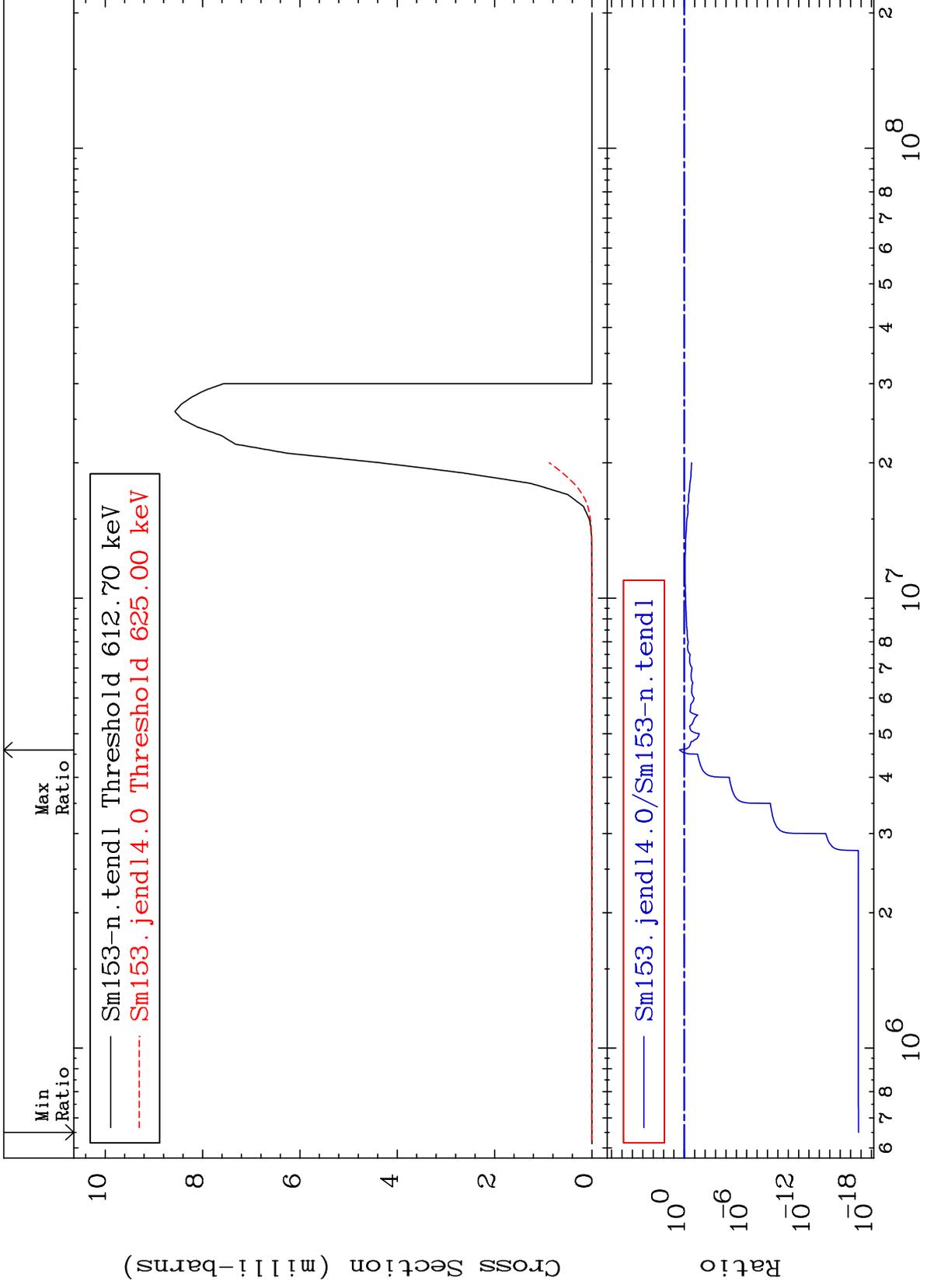
62-Sm-153
-96.90 To 2.655 %



MAT 6252

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

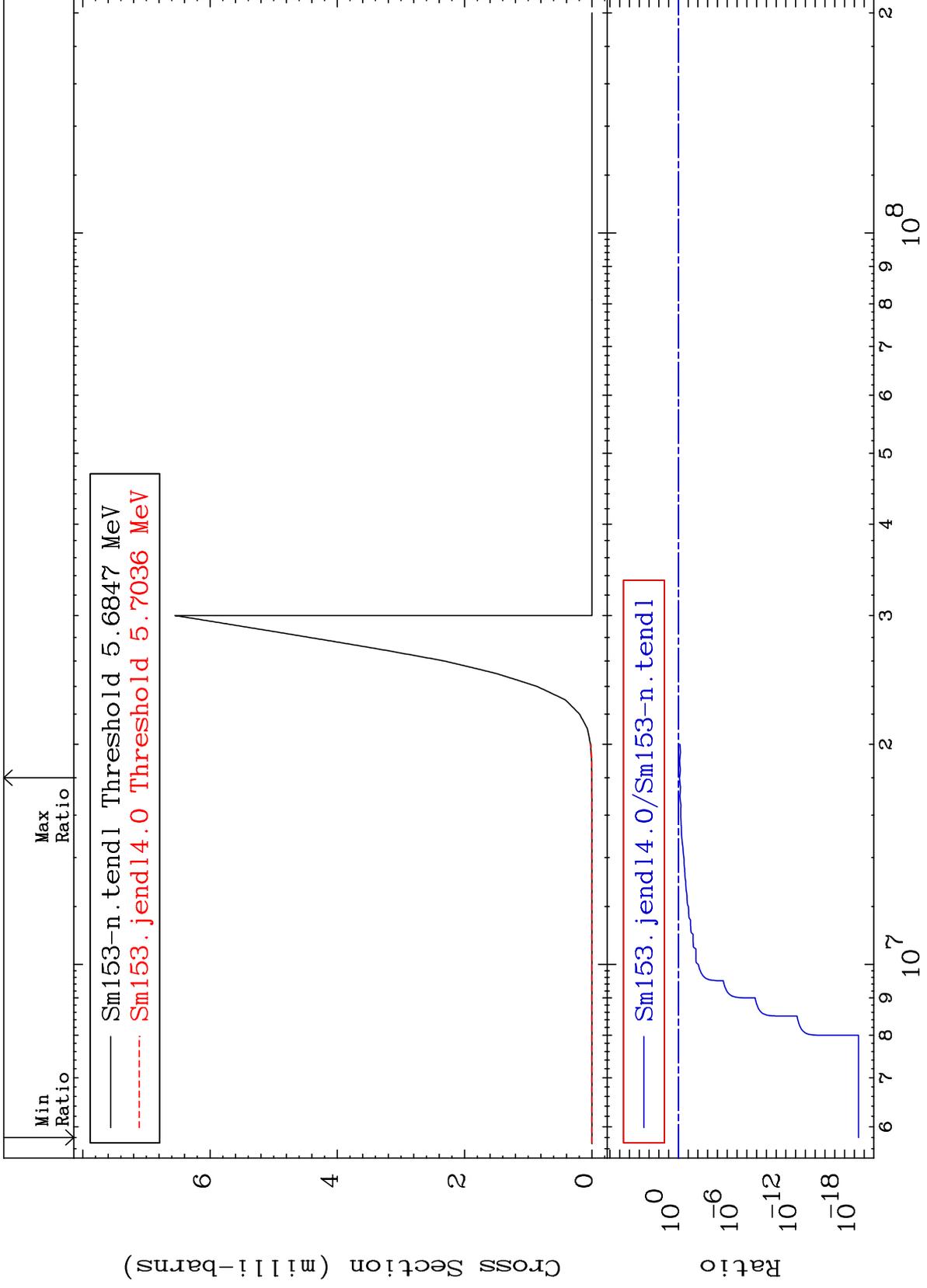
62-Sm-153
-100.0 To 190.6 %



MAT 6252

(n,2n) α
Cross Section

62-Sm-153
-100.0 To -23.78%



7

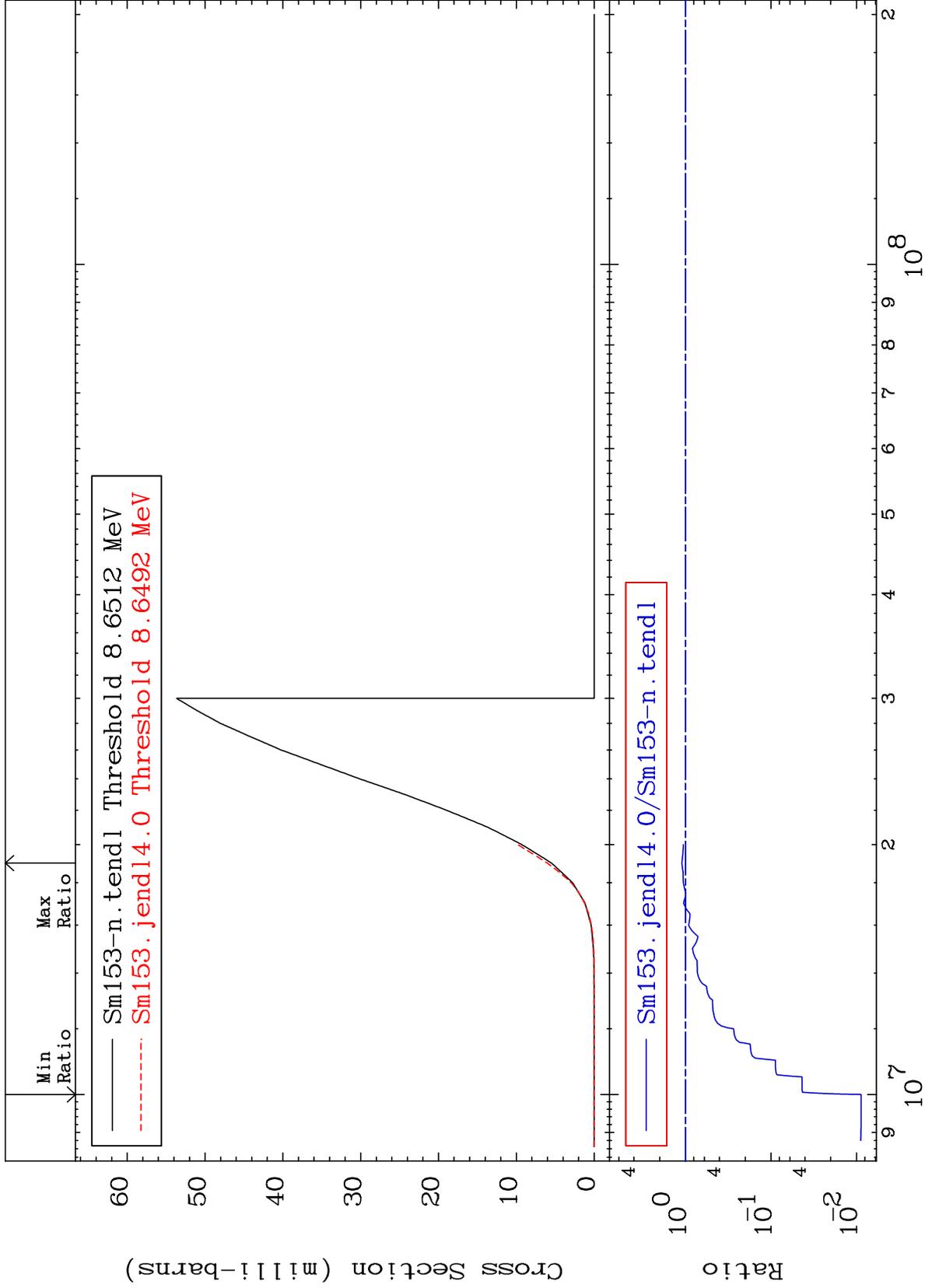
Incident Energy (eV)

62-Sm-153

MAT 6252

(n, n') p
Cross Section

62-Sm-153
-99.12 To 9.905 %



8

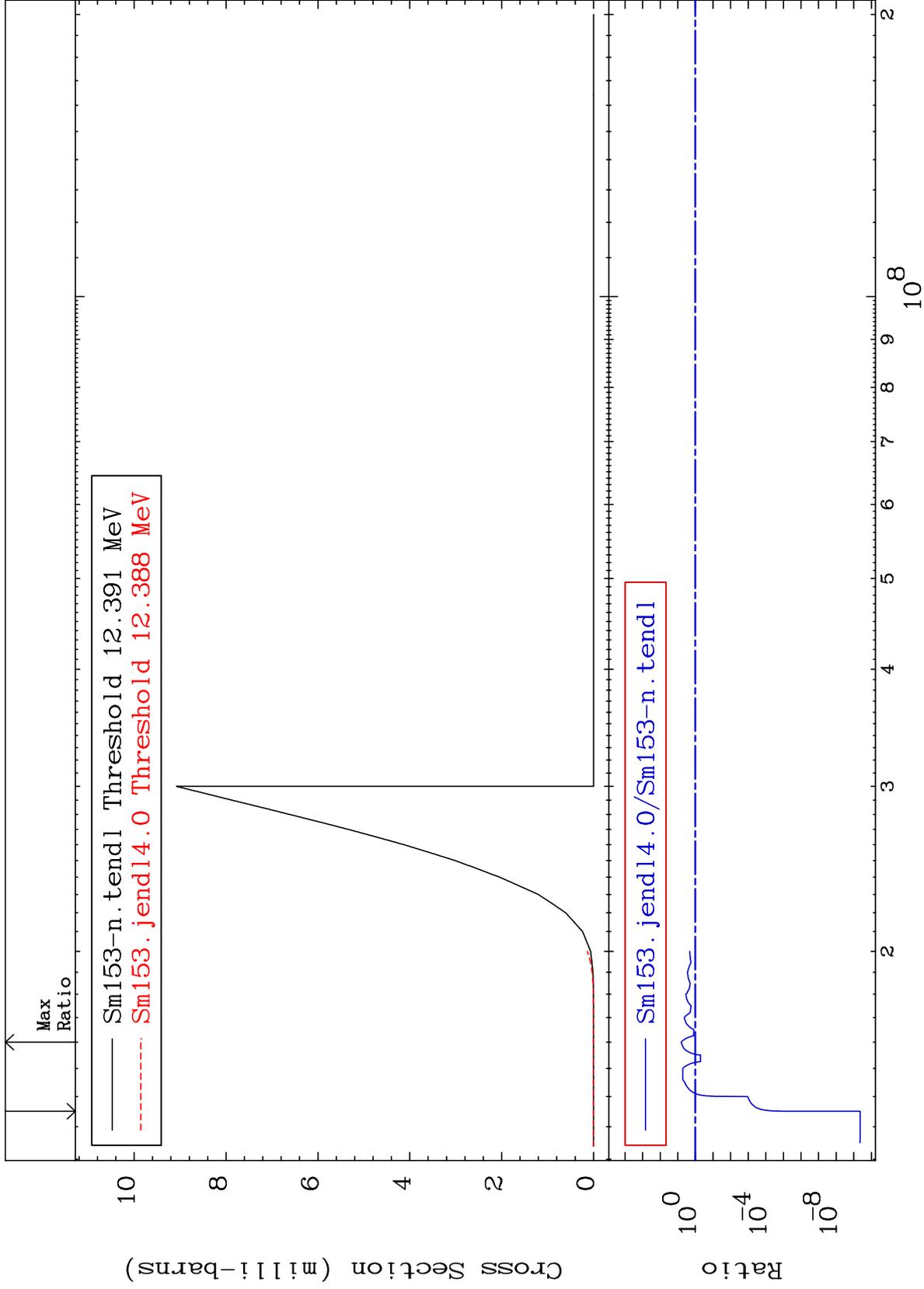
Incident Energy (eV)

62-Sm-153

MAT 6252

(n,n') d
Cross Section

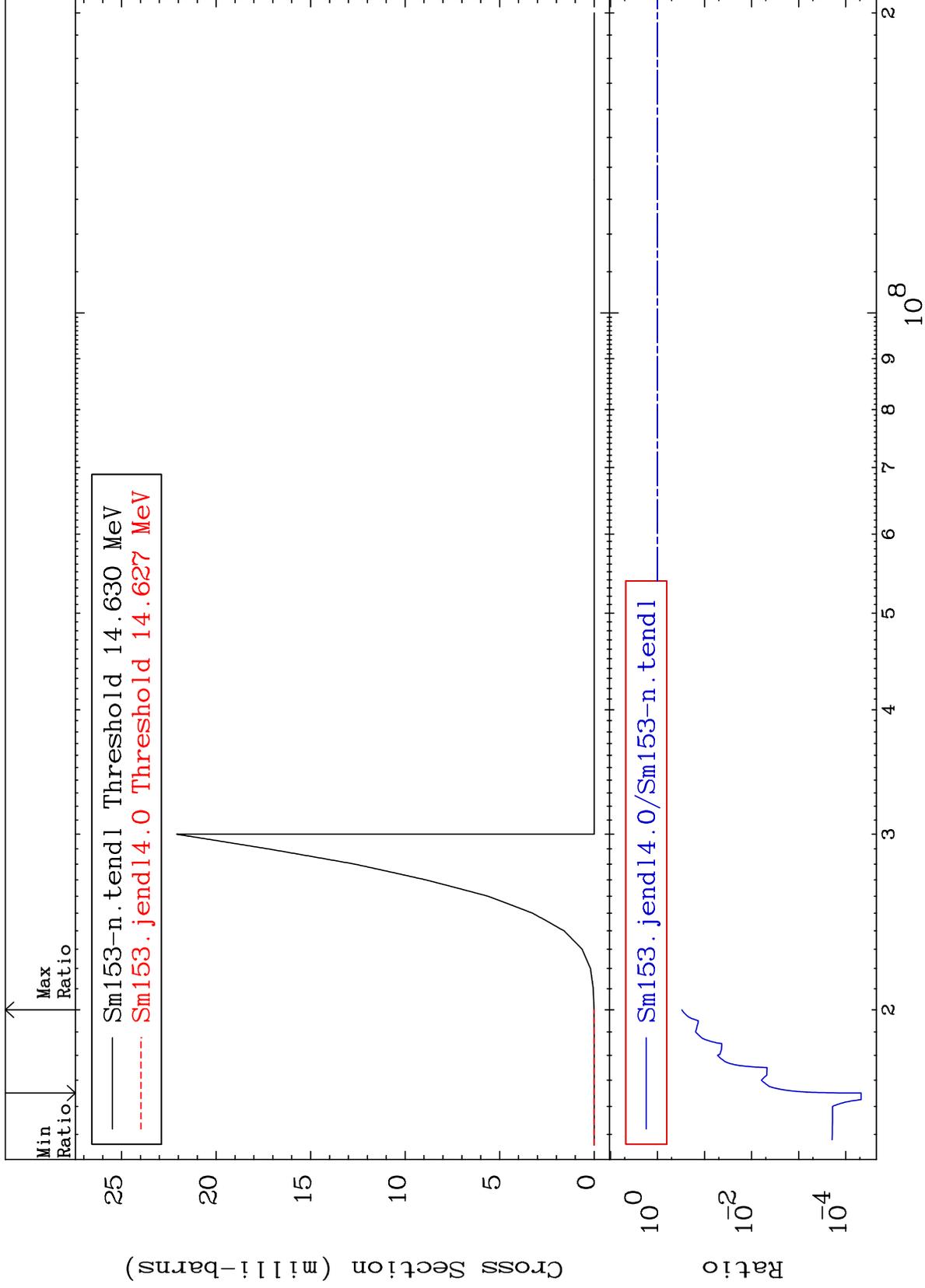
62-Sm-153
-100.0 To 541.4 %



MAT 6252

(n,2n) p
Cross Section

62-Sm-153
-100.0 To -69.68%



10

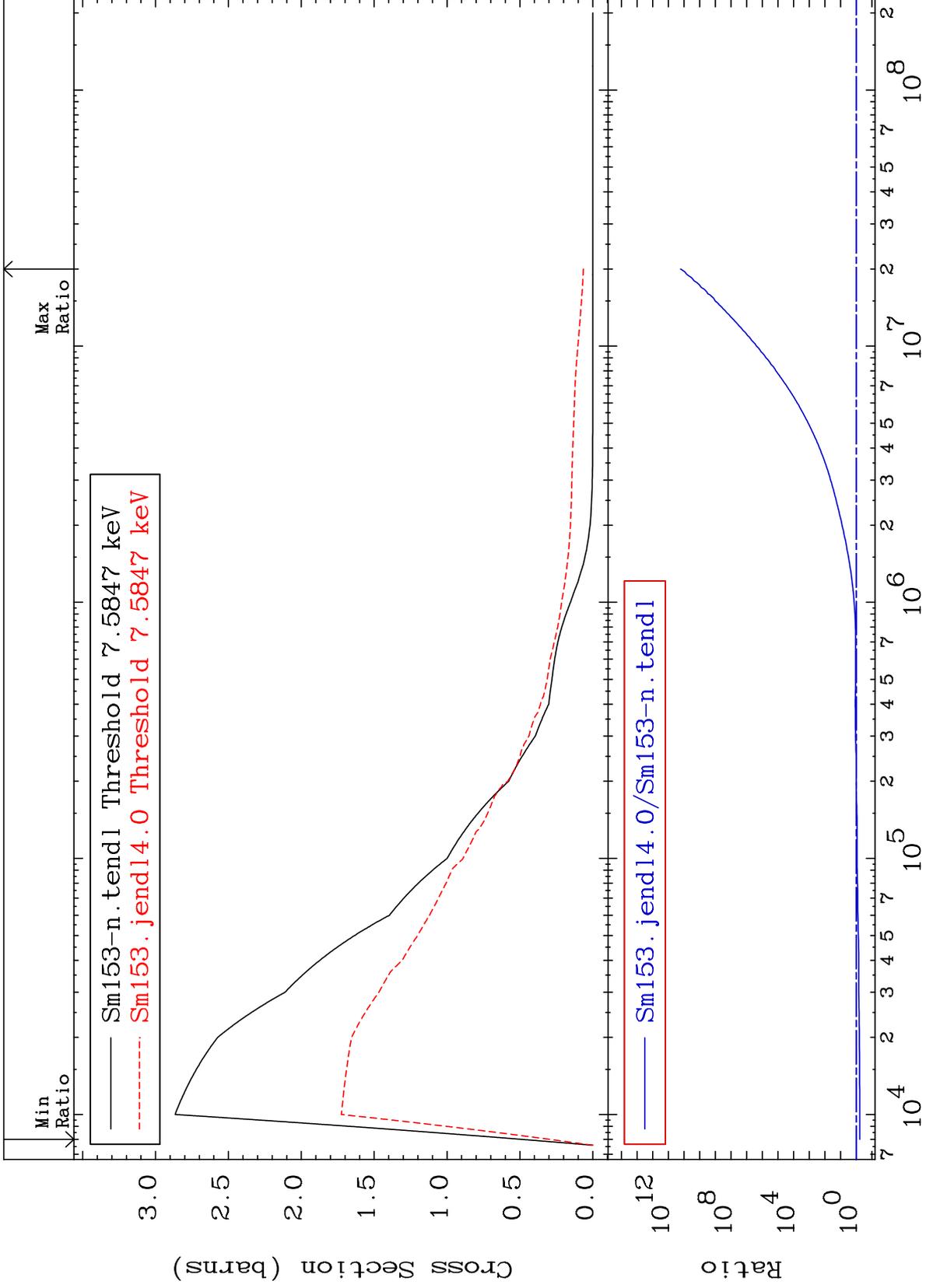
Incident Energy (eV)

62-Sm-153

MAT 6252

7.535 keV (n,n') Level
Cross Section

62-Sm-153
-39.82 To 9999. %



11

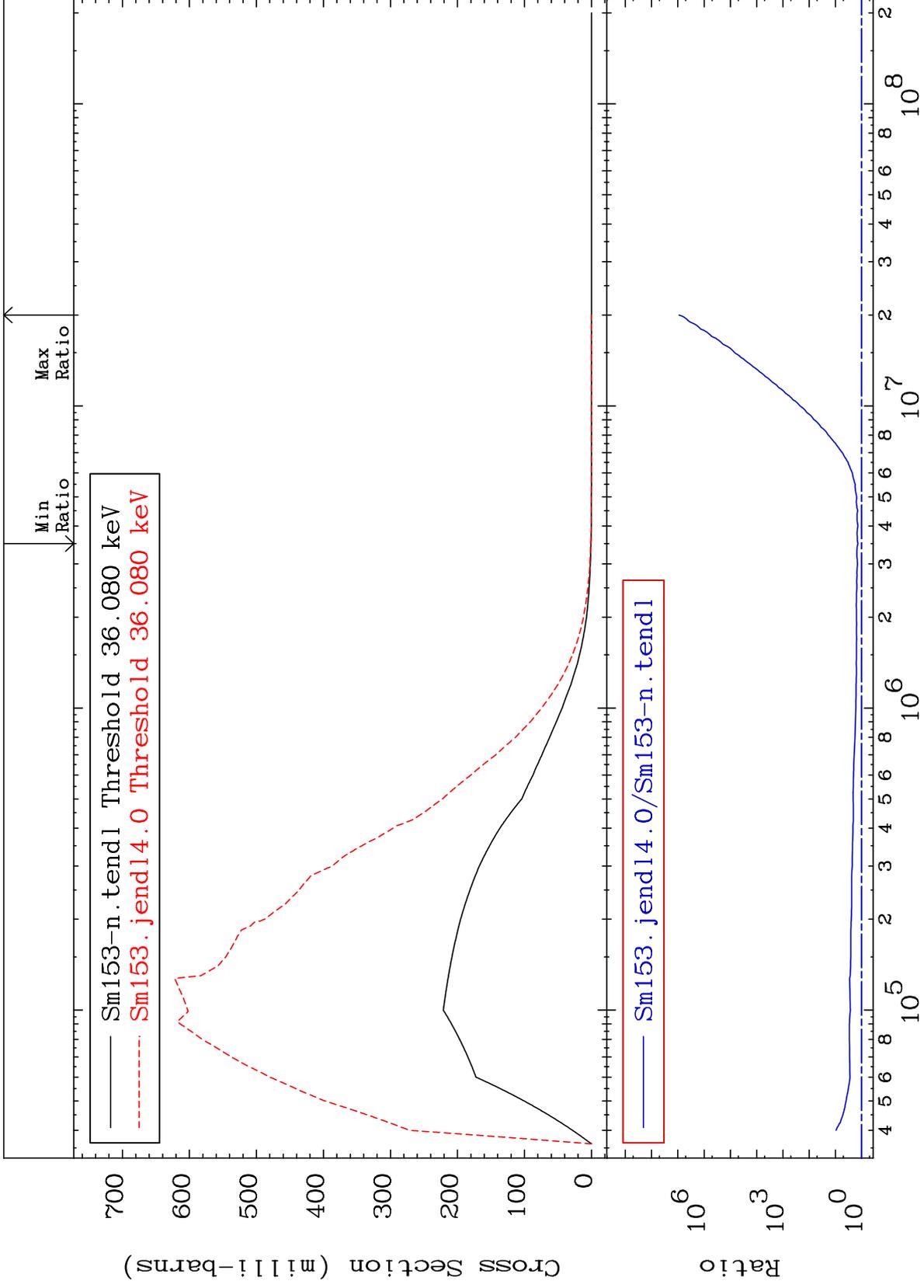
Incident Energy (eV)

62-Sm-153

MAT 6252

35.84 keV (n,n') Level
Cross Section

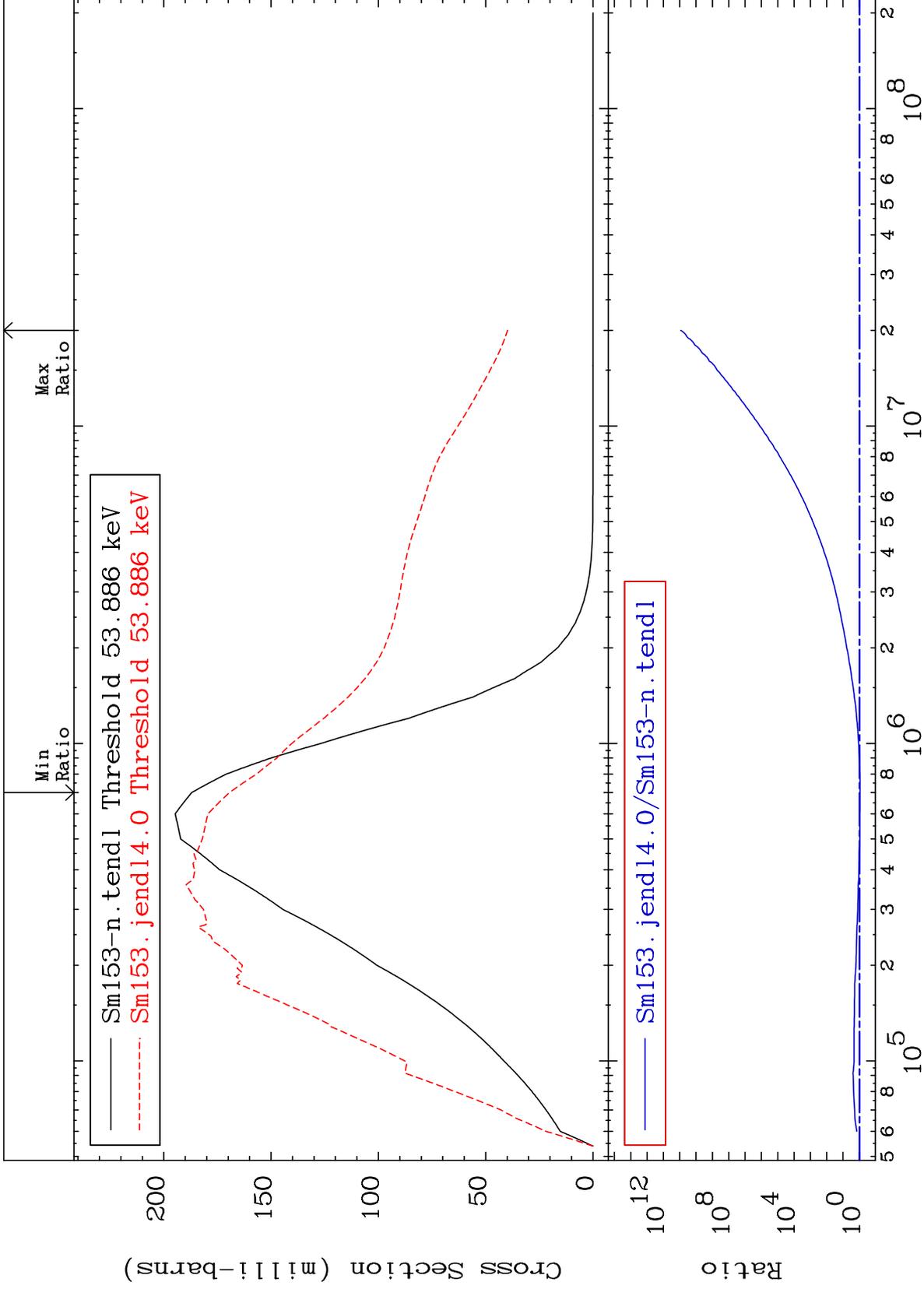
62-Sm-153
40.06 To 9999. %



MAT 6252

53.53 keV (n,n') Level
Cross Section

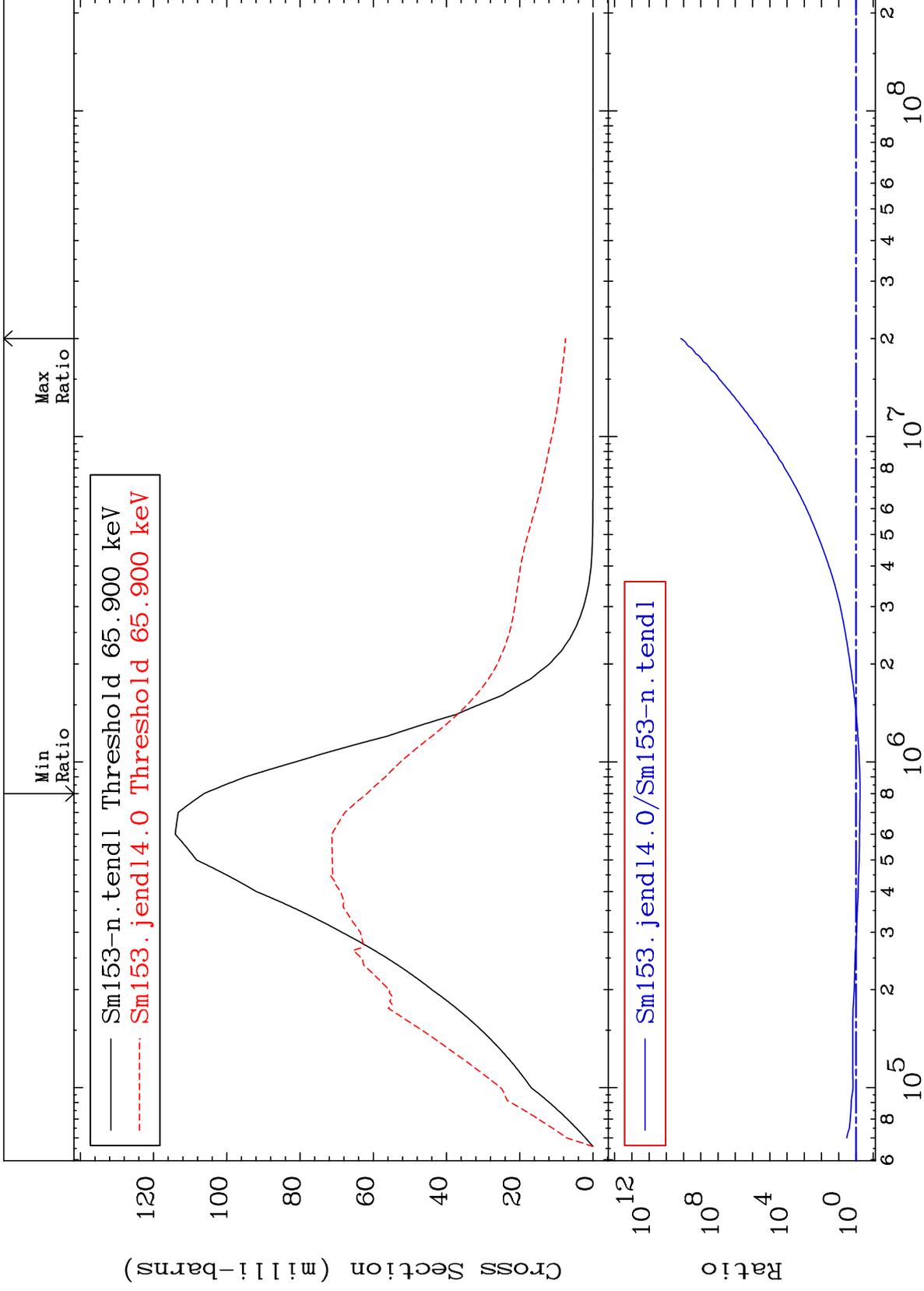
62-Sm-153
-9.400 To 9999. %



MAT 6252

65.47 keV (n,n') Level
Cross Section

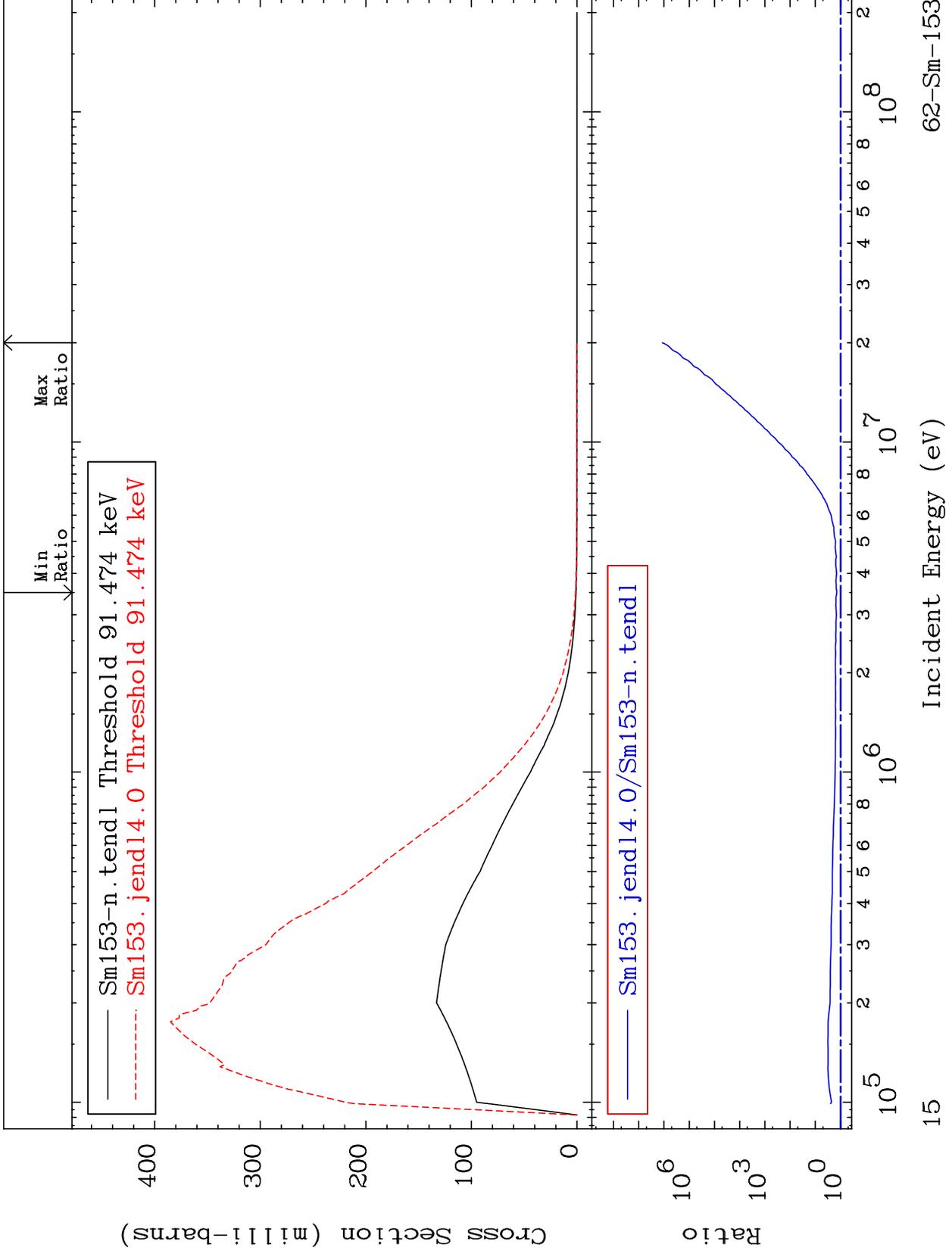
62-Sm-153
-41.89 To 9999. %



MAT 6252

90.88 keV (n,n') Level
Cross Section

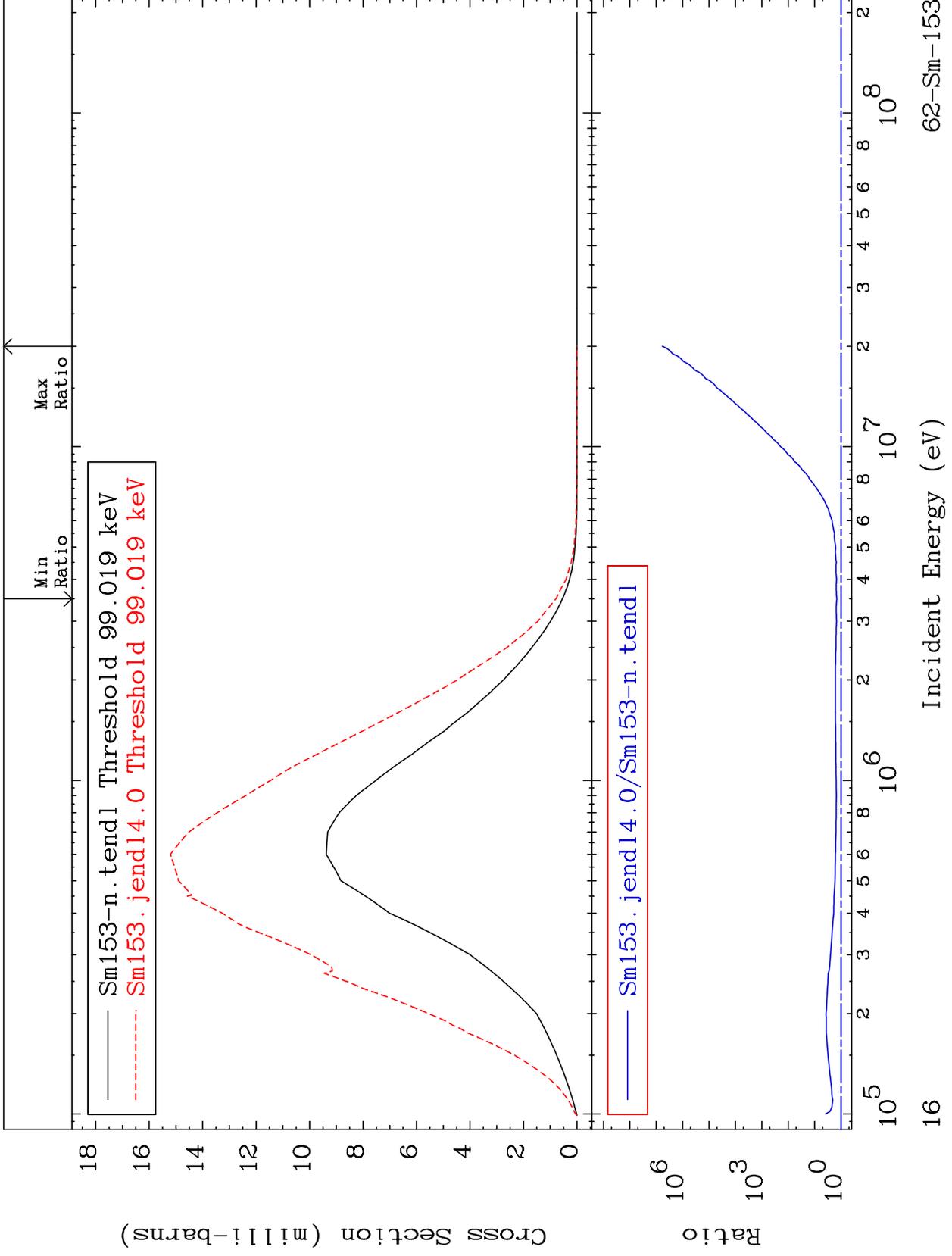
62-Sm-153
41.28 To 9999. %



MAT 6252

98.37 keV (n,n') Level
Cross Section

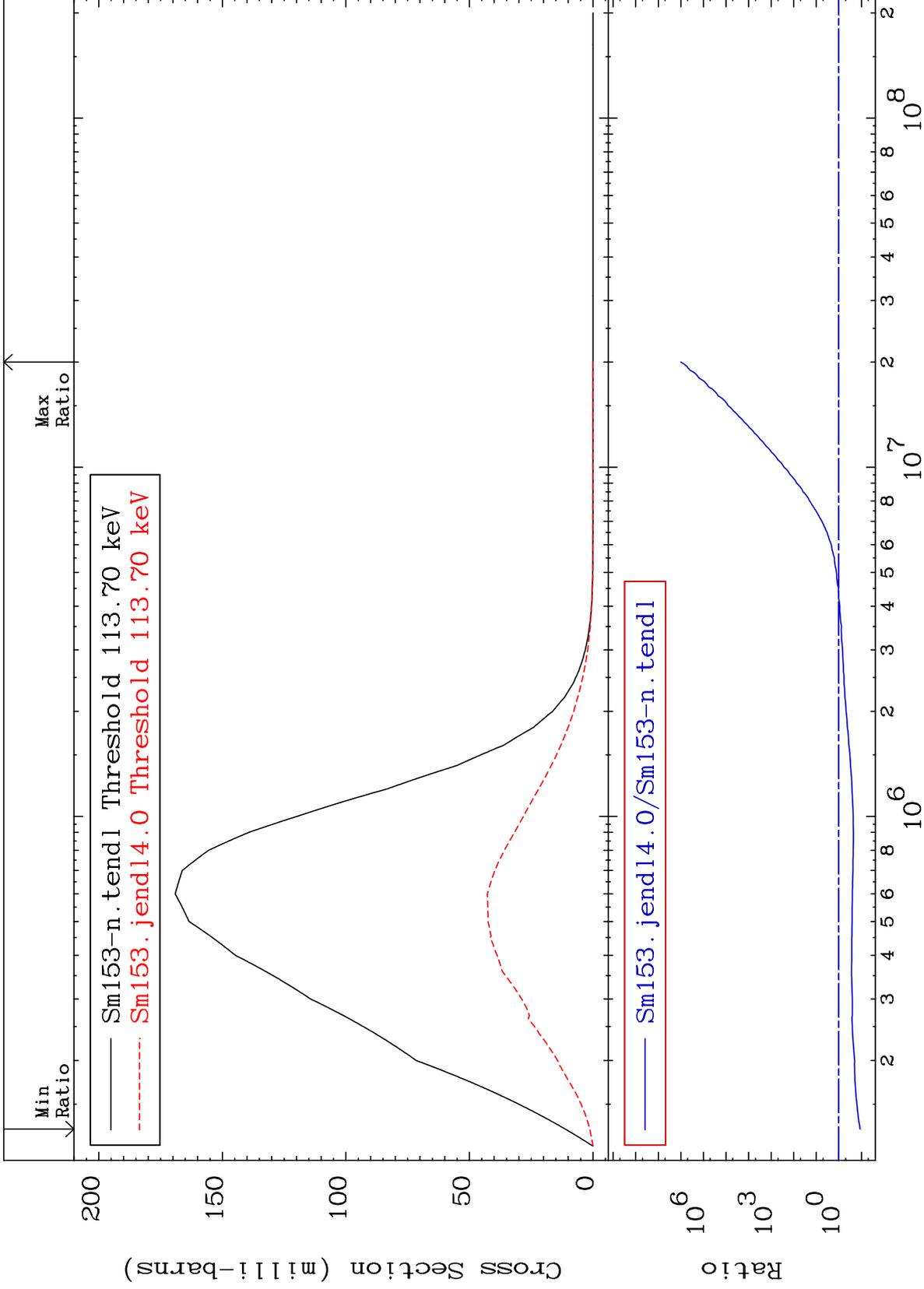
62-Sm-153
43.97 To 9999. %



MAT 6252

113.0 keV (n,n') Level
Cross Section

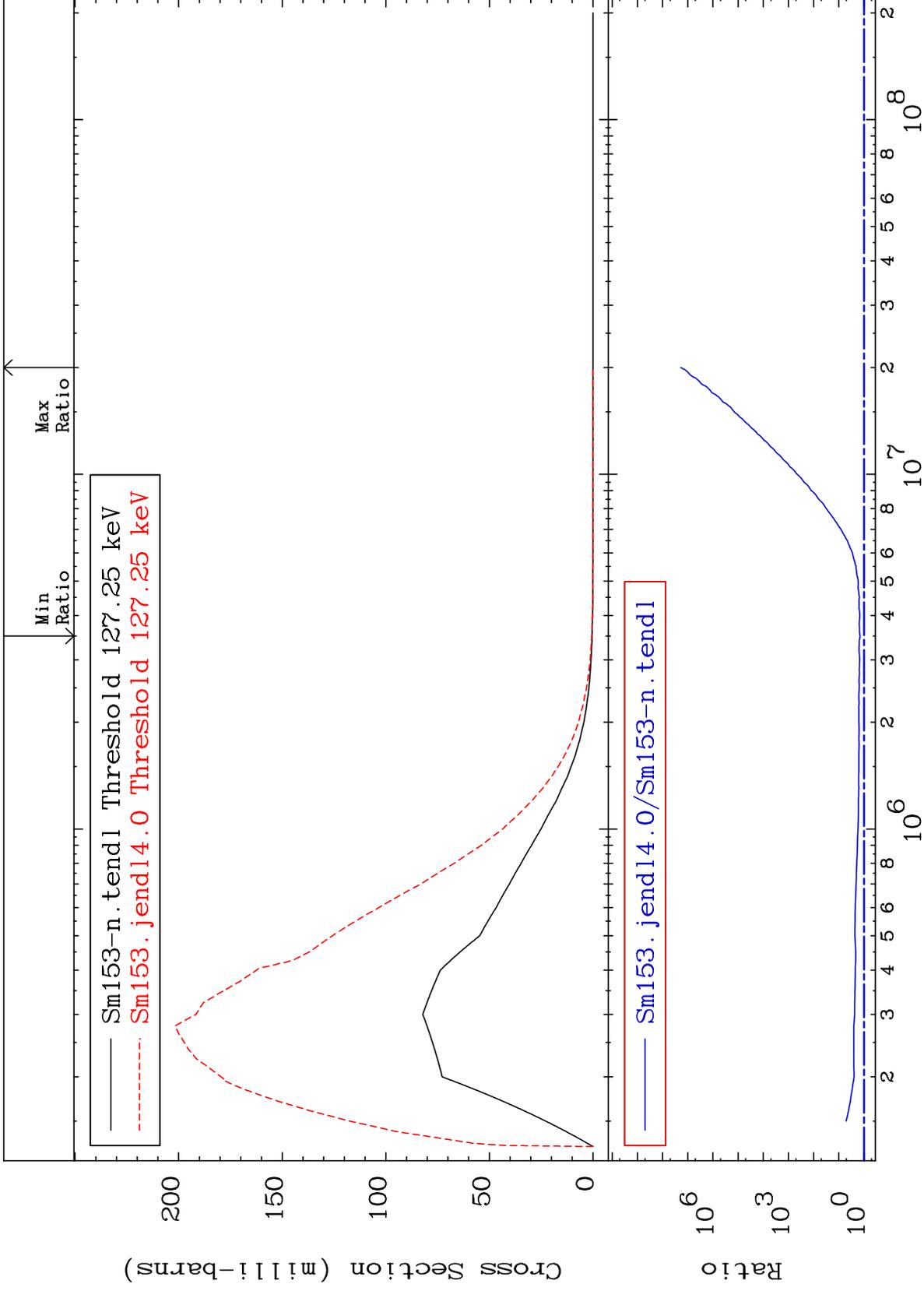
62-Sm-153
-88.49 To 9999. %



MAT 6252

126.4 keV (n,n') Level
Cross Section

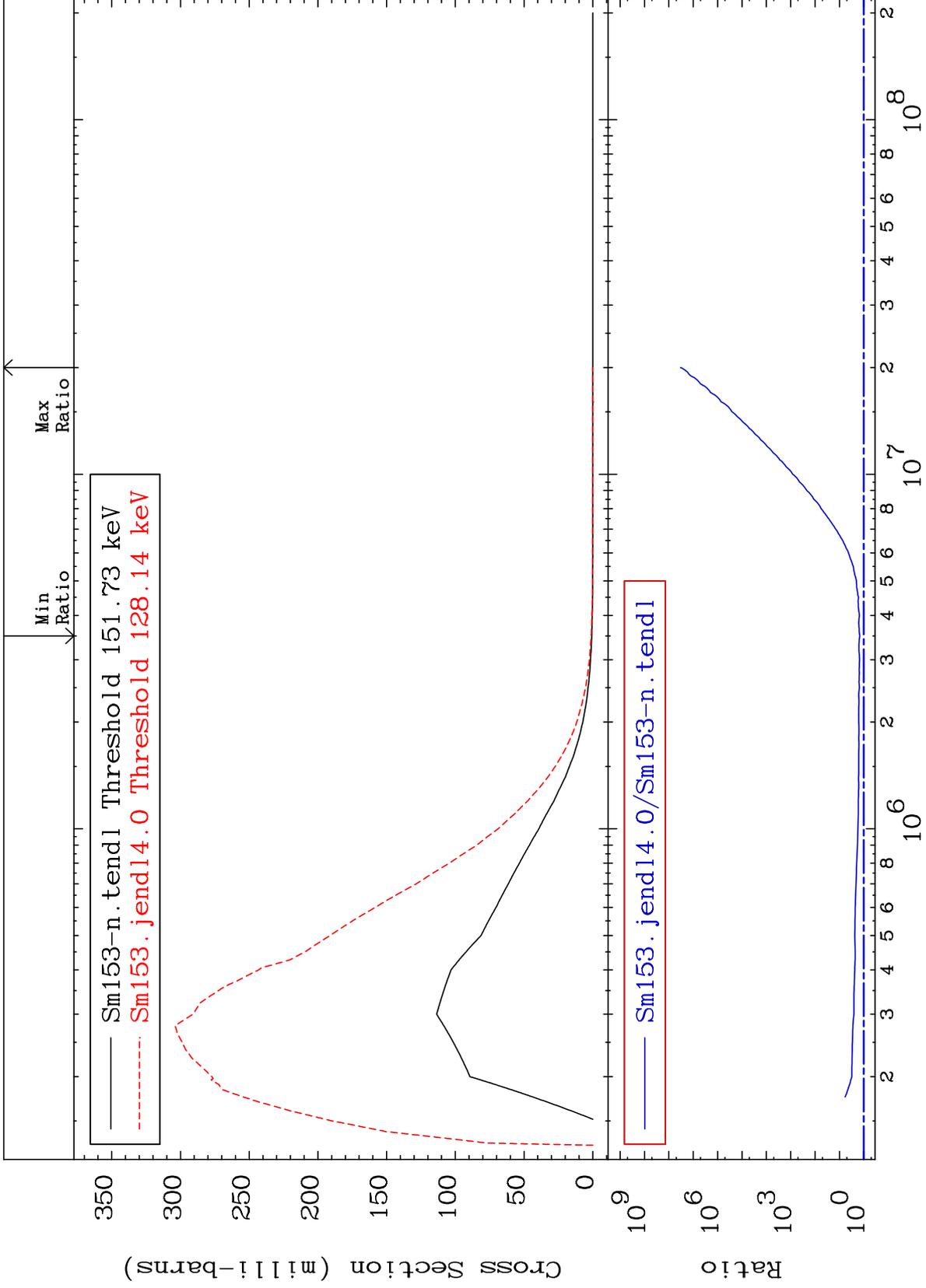
62-Sm-153
42.67 To 9999. %



MAT 6252

150.7 keV (n,n') Level
Cross Section

62-Sm-153
46.61 To 9999. %



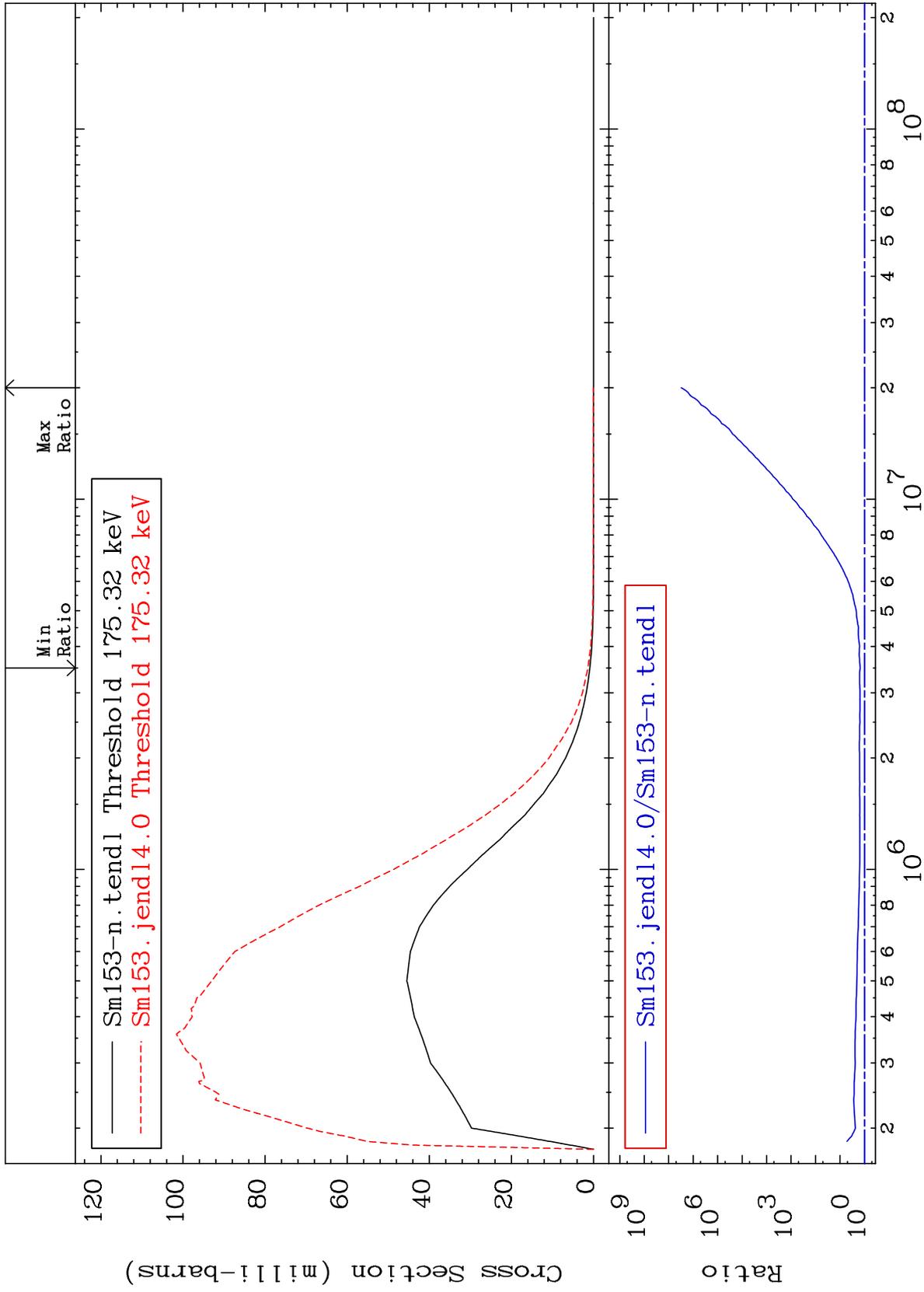
MAT 6252

174.2 keV (n,n') Level

62-Sm-153

49.74 To 9999. %

Cross Section



20

Incident Energy (eV)

62-Sm-153

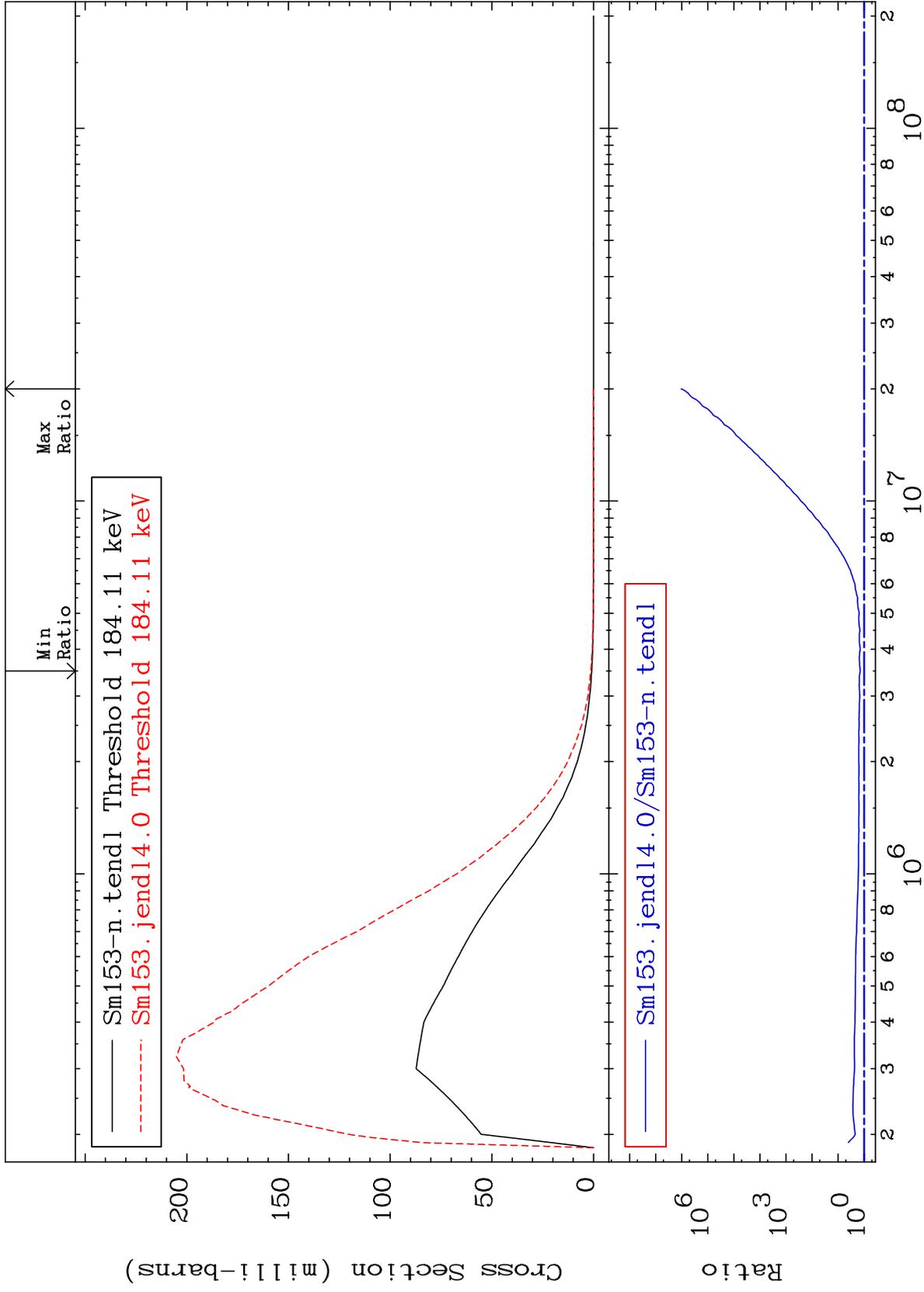
MAT 6252

182.9 keV (n,n') Level

62-Sm-153

41.29 To 9999. %

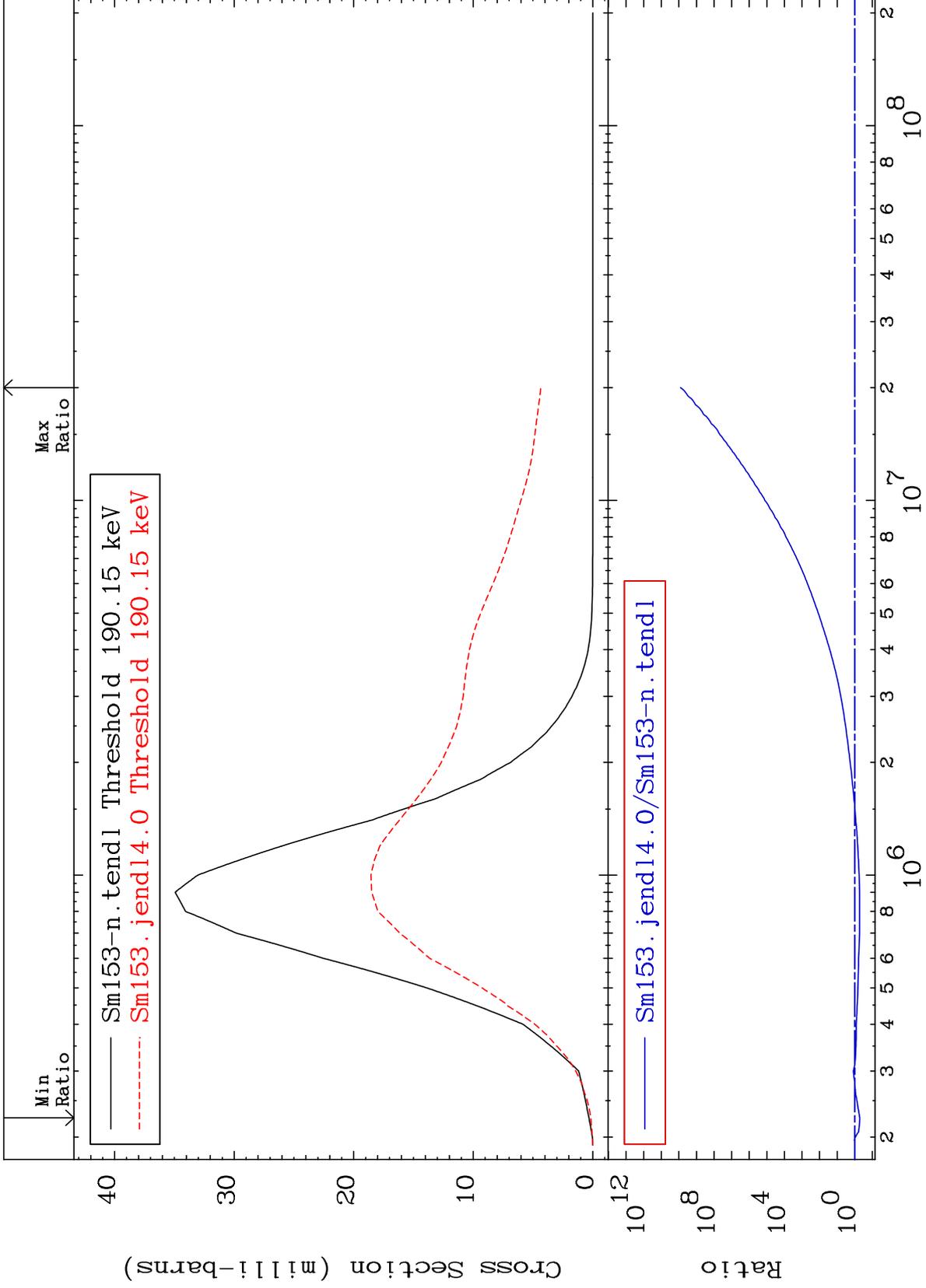
Cross Section



MAT 6252

188.9 keV (n,n') Level
Cross Section

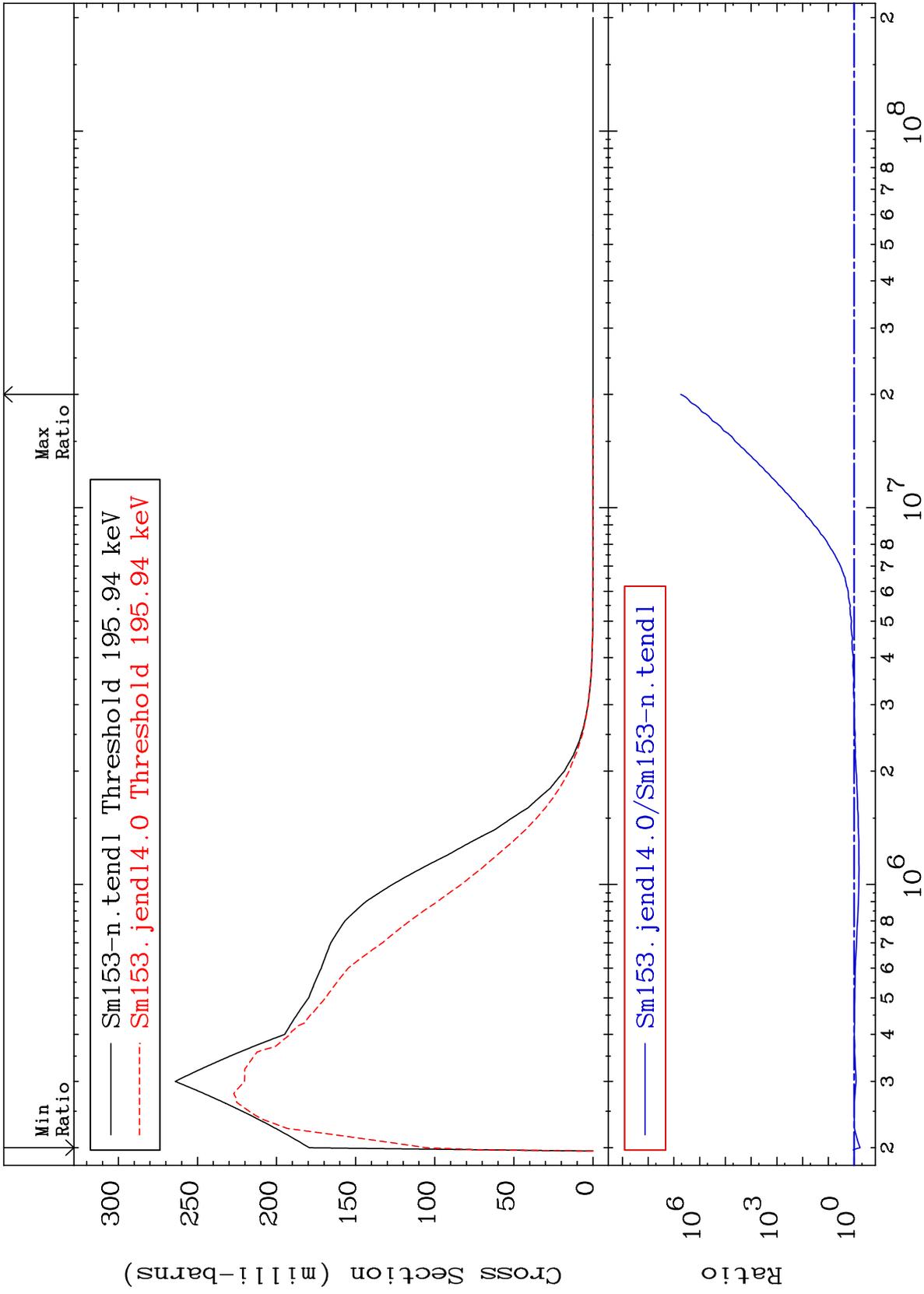
62-Sm-153
-48.08 To 9999. %



MAT 6252

194.7 keV (n,n') Level
Cross Section

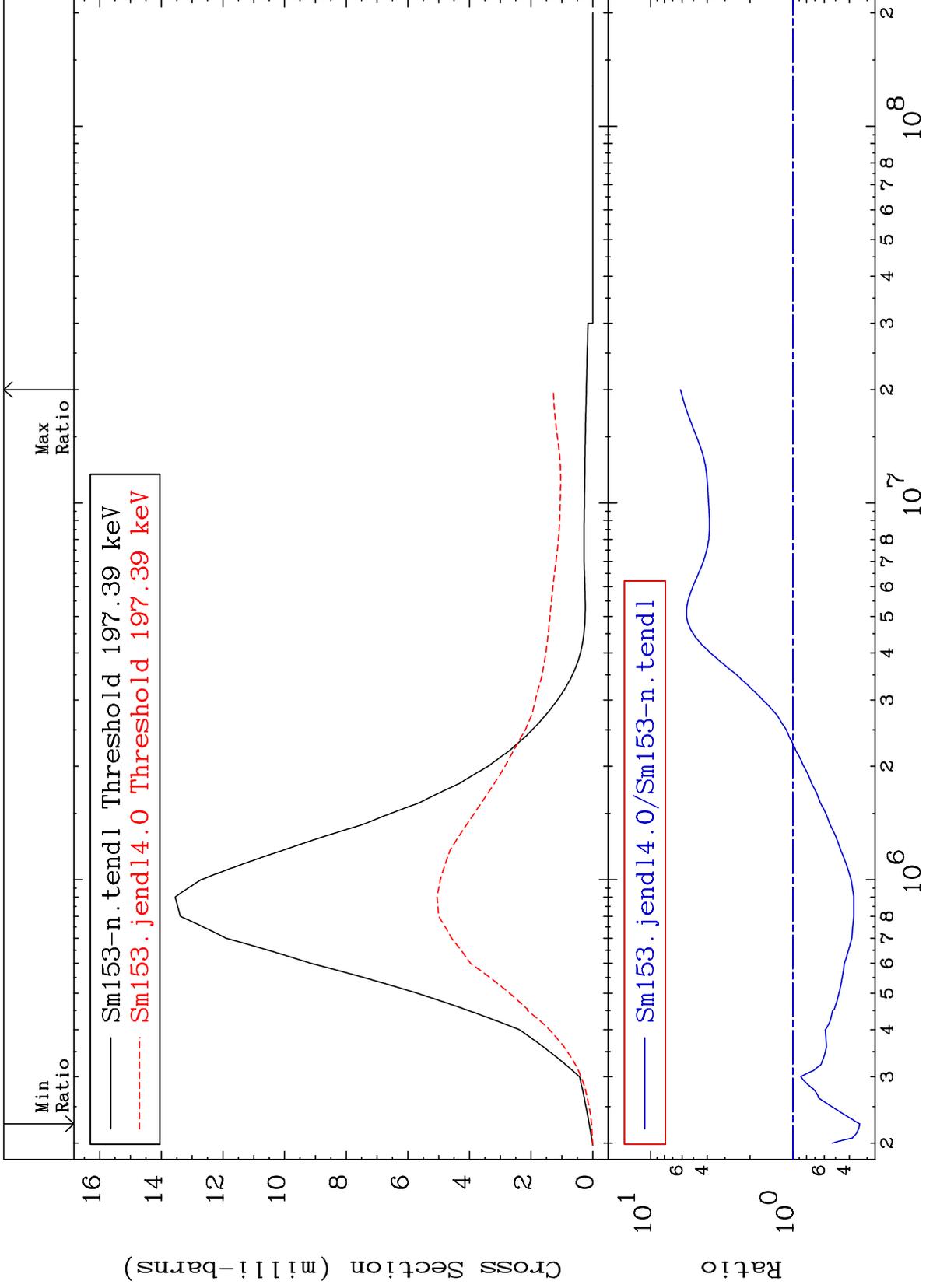
62-Sm-153
-41.34 To 9999. %



MAT 6252

196.1 keV (n,n') Level
Cross Section

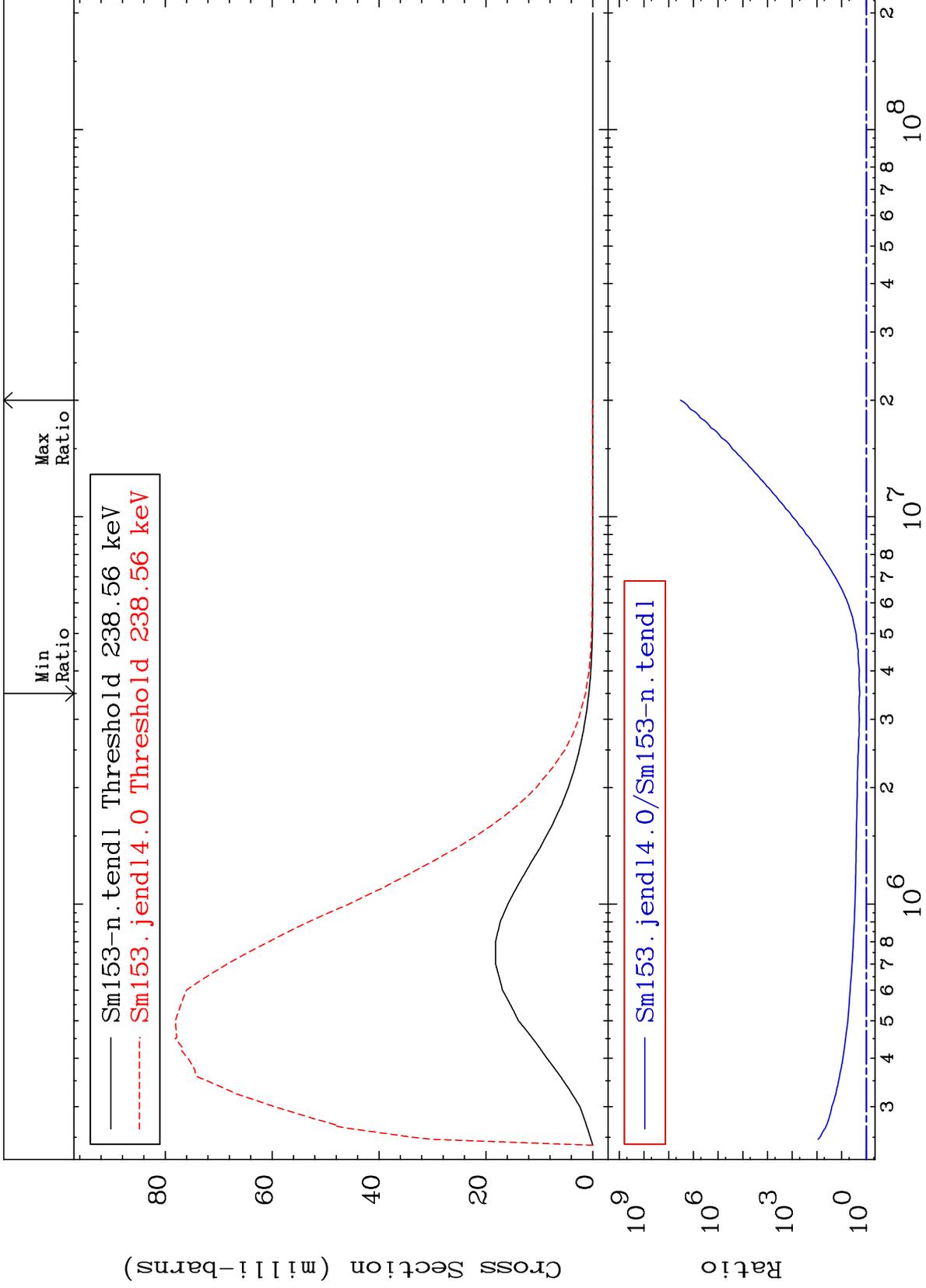
62-Sm-153
-66.19 To 516.4 %



MAT 6252

237.0 keV (n,n') Level
Cross Section

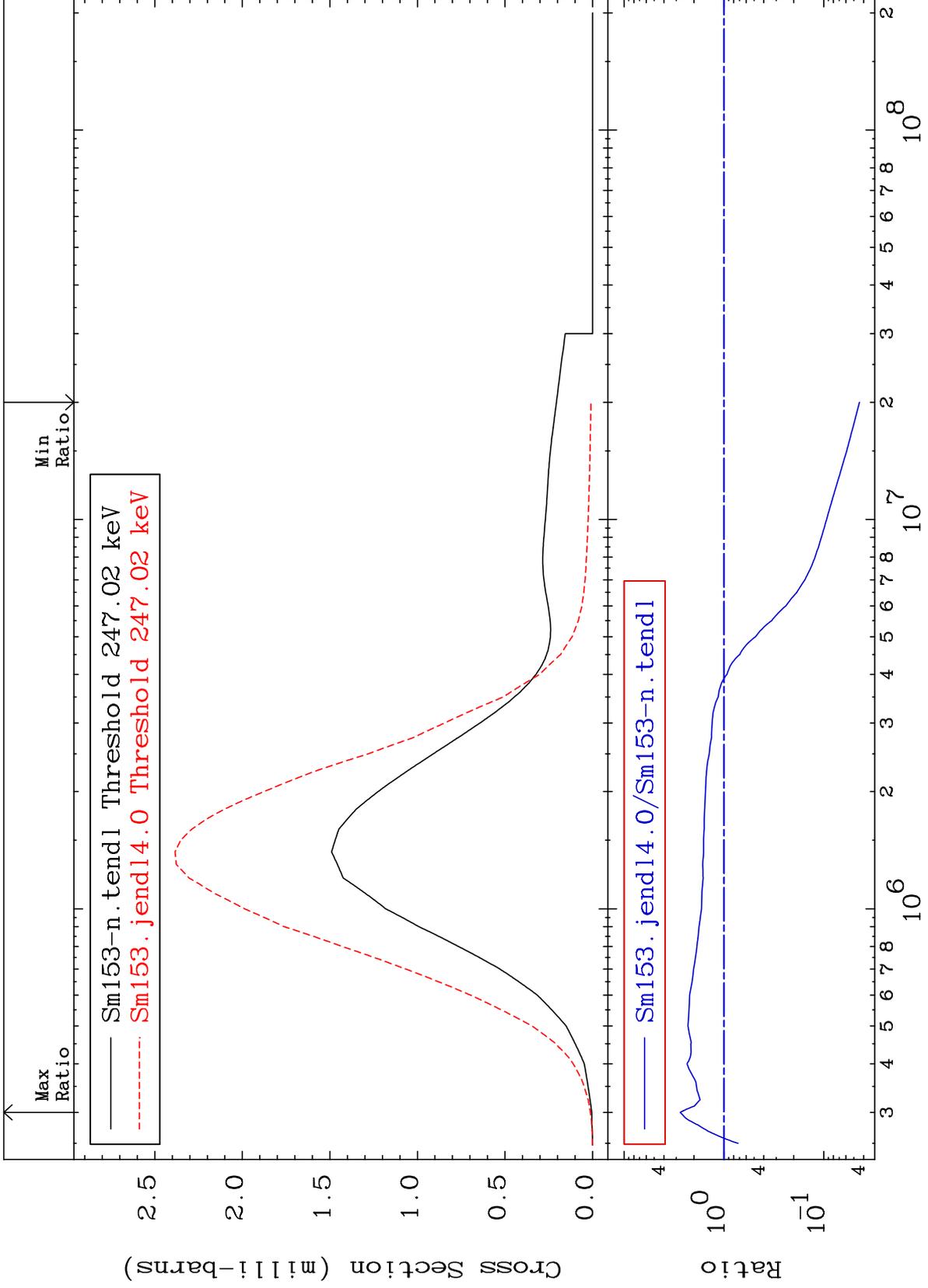
62-Sm-153
84.10 To 9999. %



MAT 6252

245.4 keV (n,n') Level
Cross Section

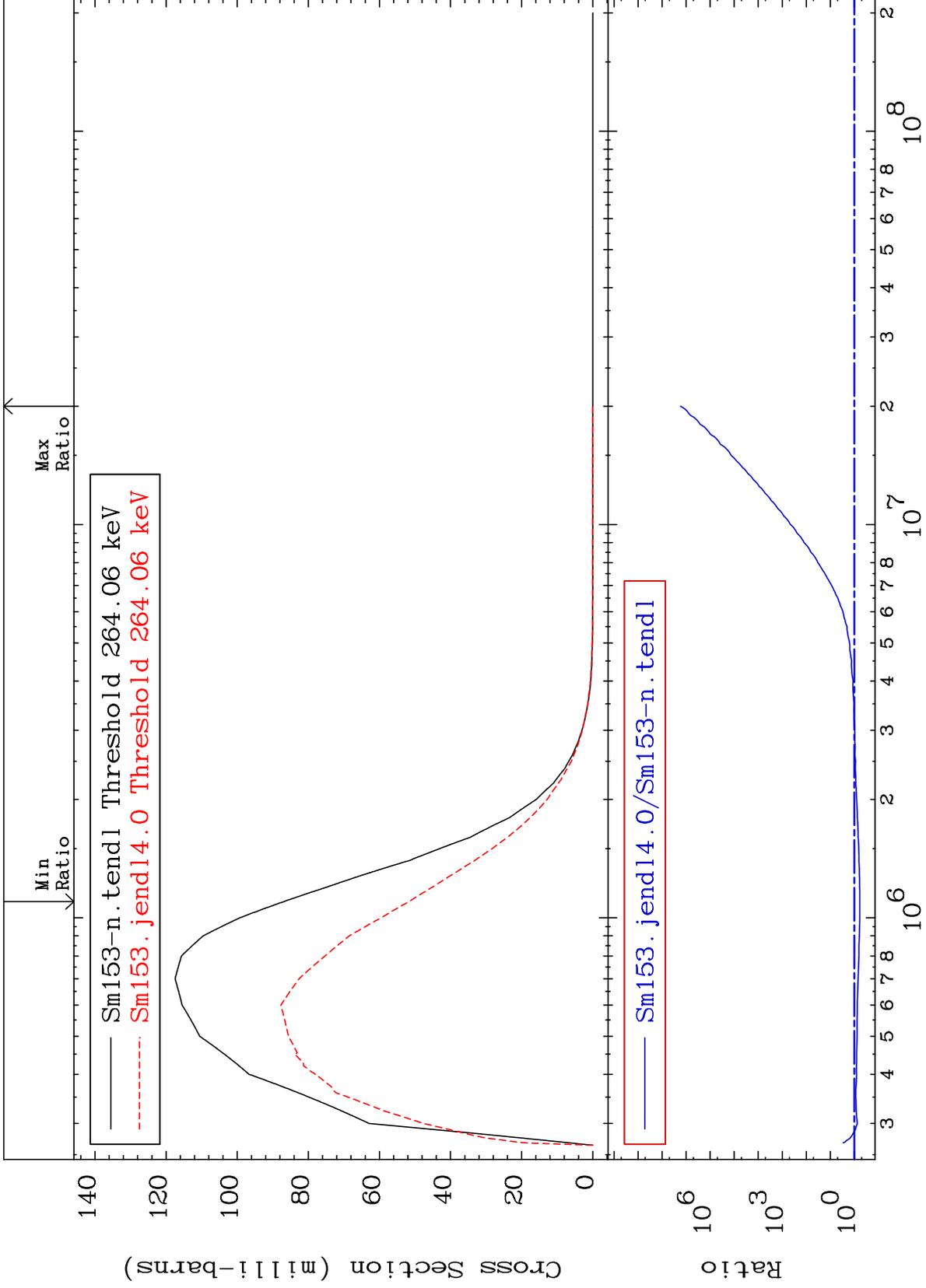
62-Sm-153
-95.61 To 174.0 %



MAT 6252

262.3 keV (n,n') Level
Cross Section

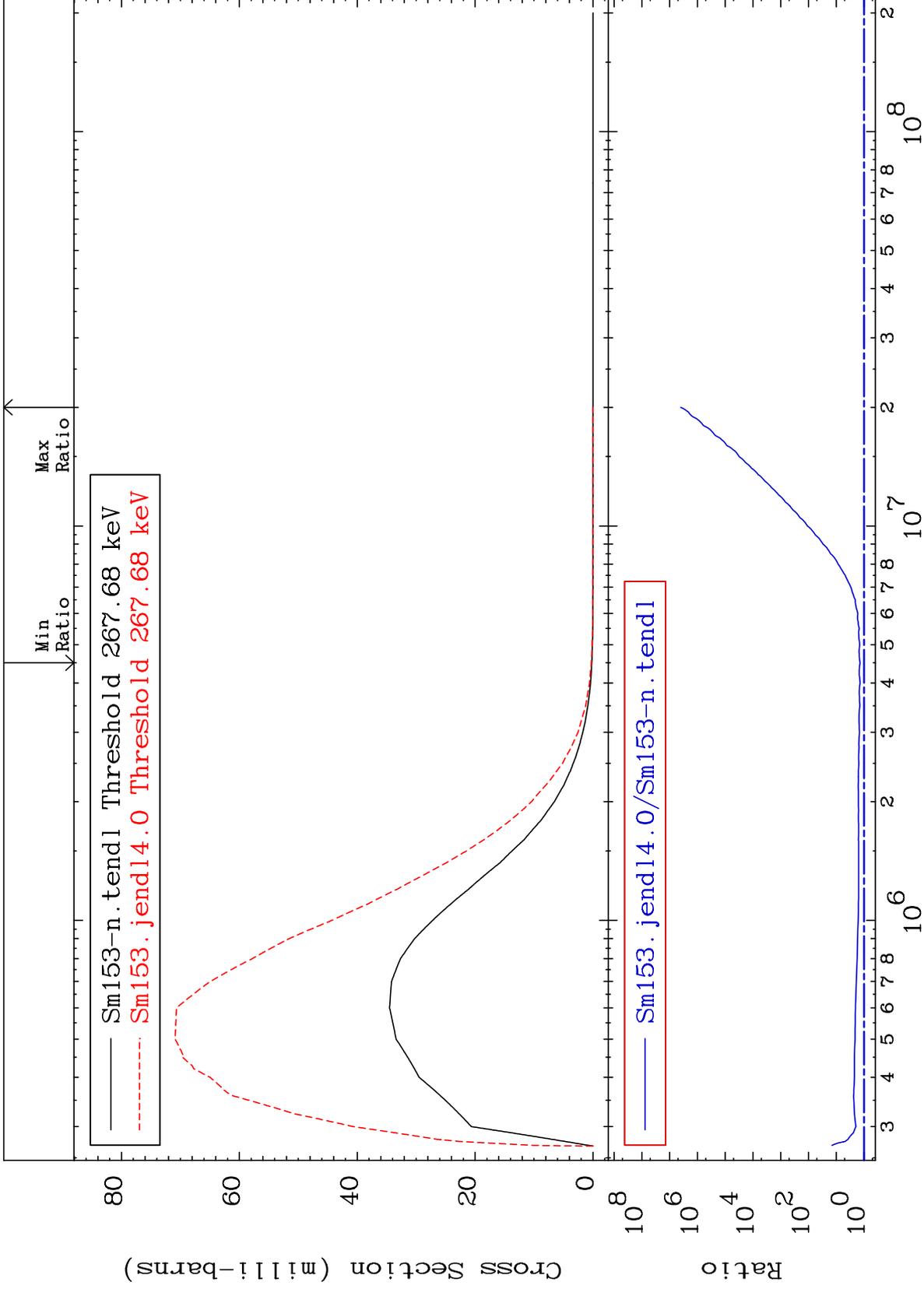
62-Sm-153
-40.53 To 9999. %



MAT 6252

265.9 keV (n,n') Level
Cross Section

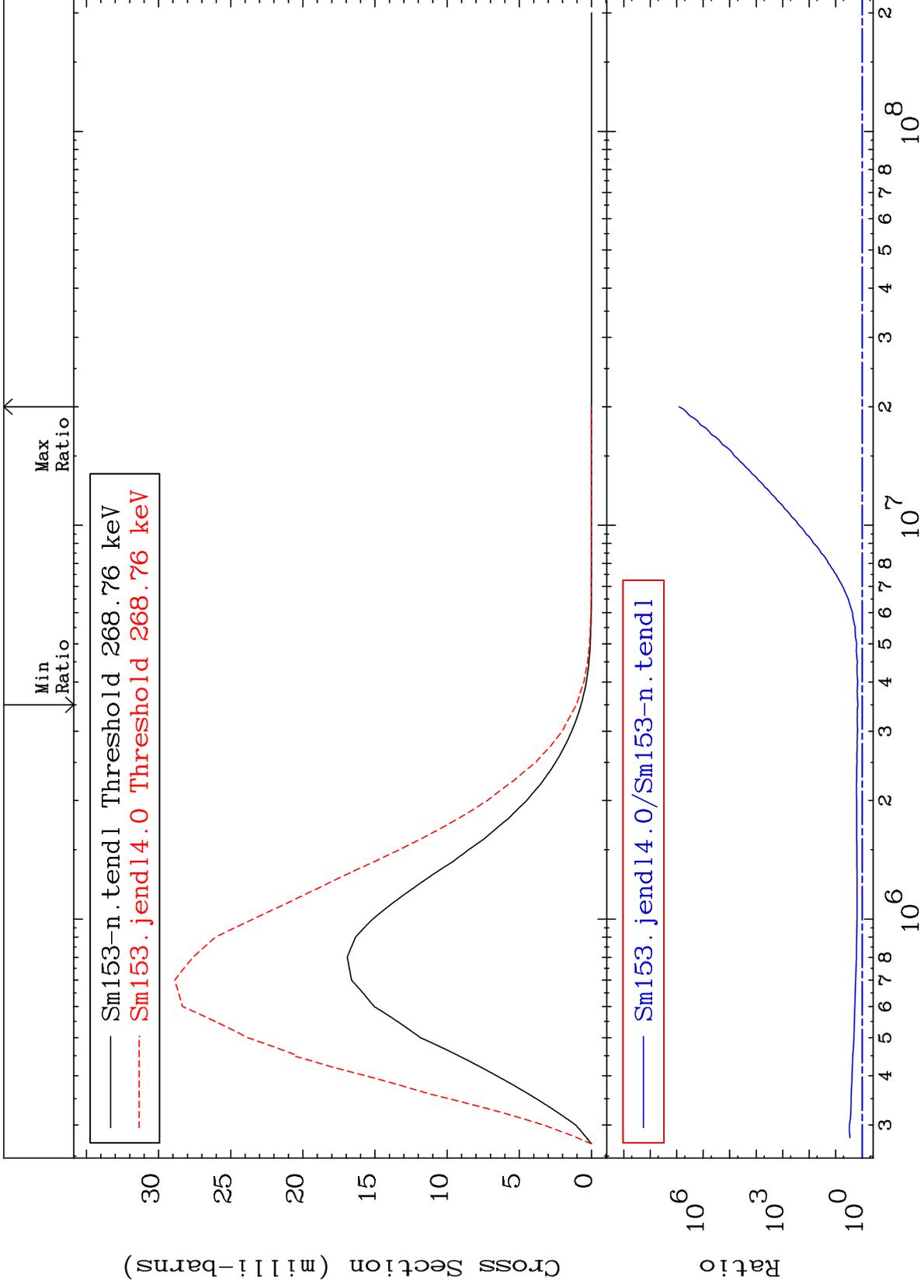
62-Sm-153
38.90 To 9999. %



MAT 6252

267.0 keV (n,n') Level
Cross Section

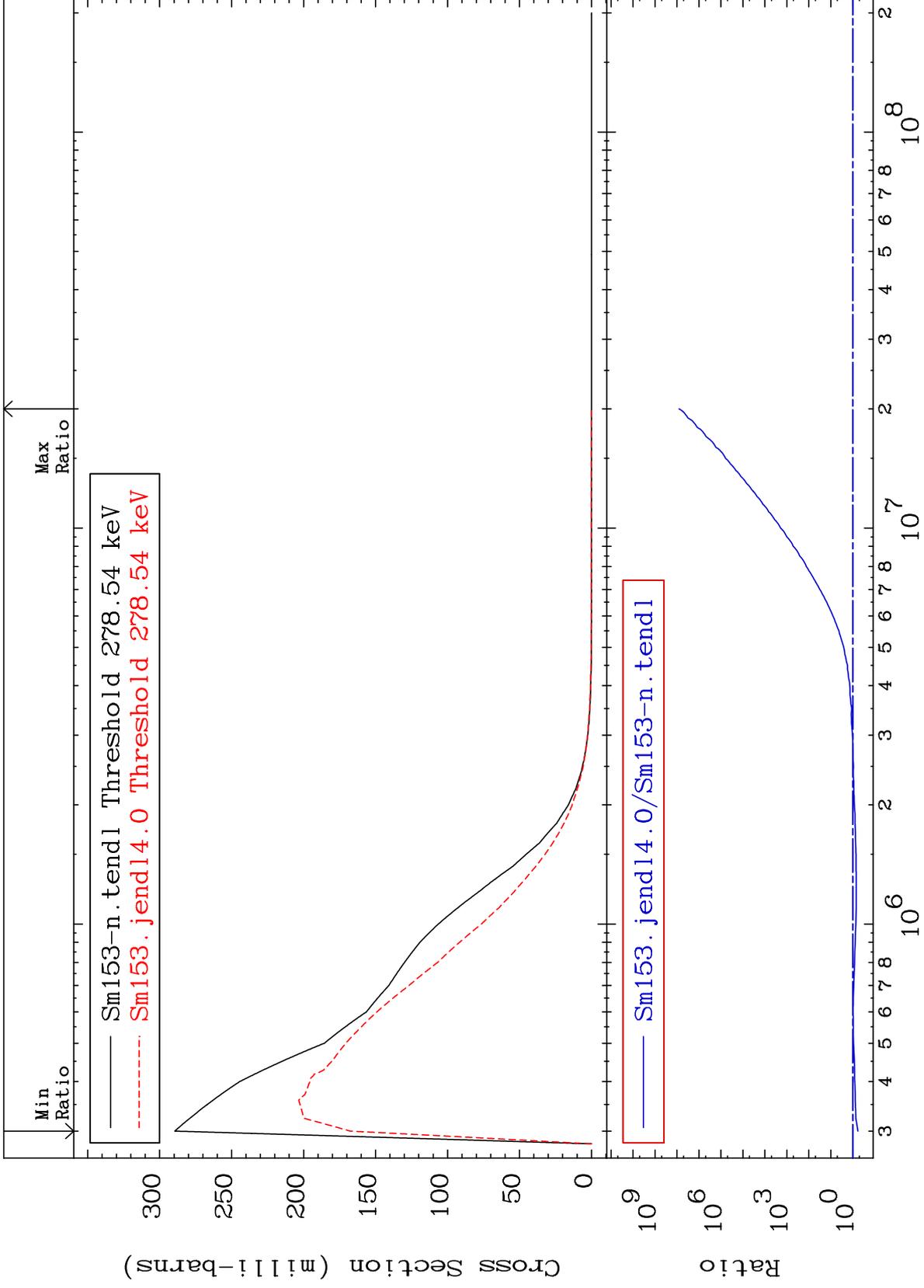
62-Sm-153
43.20 To 9999. %



MAT 6252

276.7 keV (n,n') Level
Cross Section

62-Sm-153
-42.07 To 9999. %



30

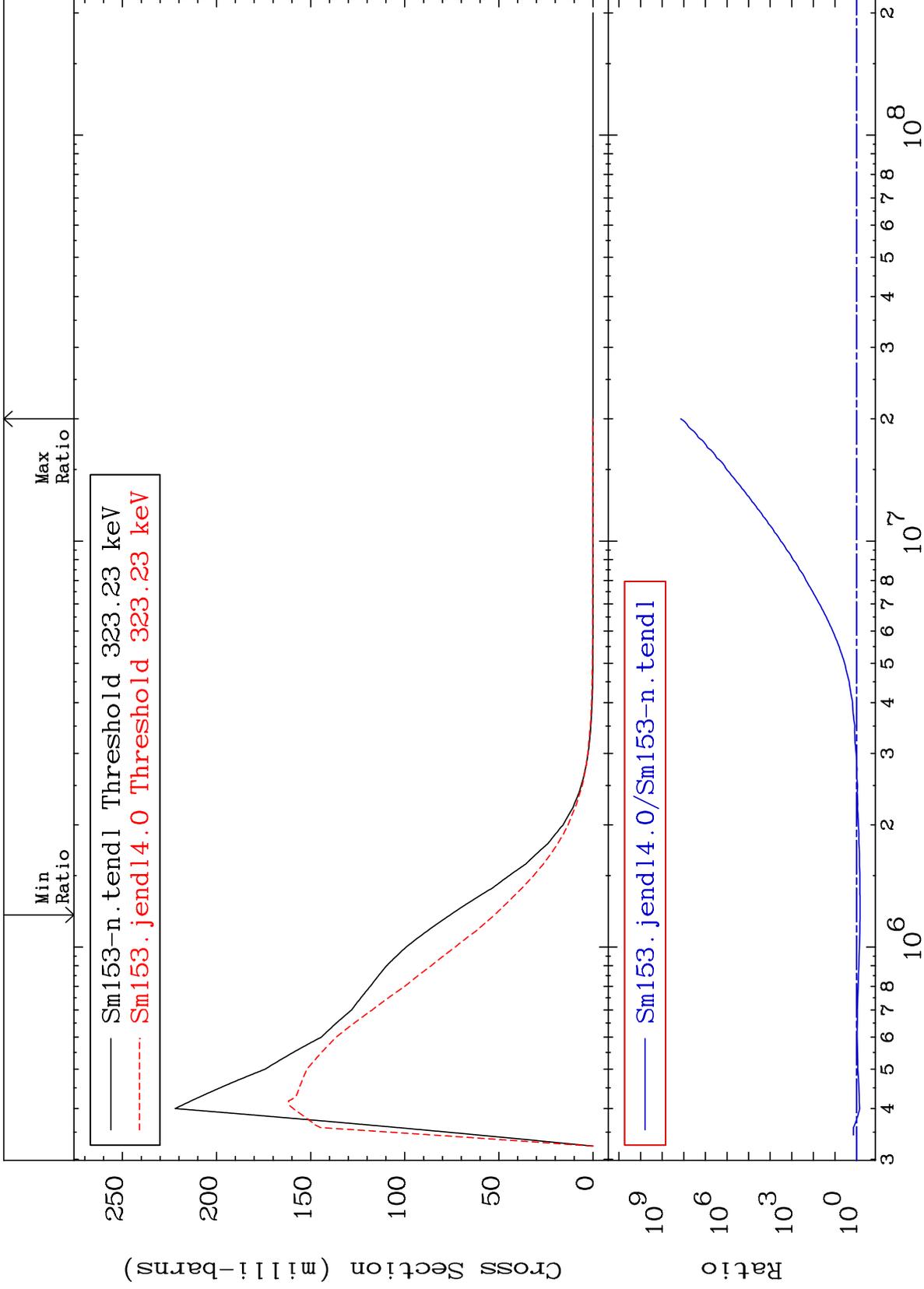
Incident Energy (eV)

62-Sm-153

MAT 6252

321.1 keV (n,n') Level
Cross Section

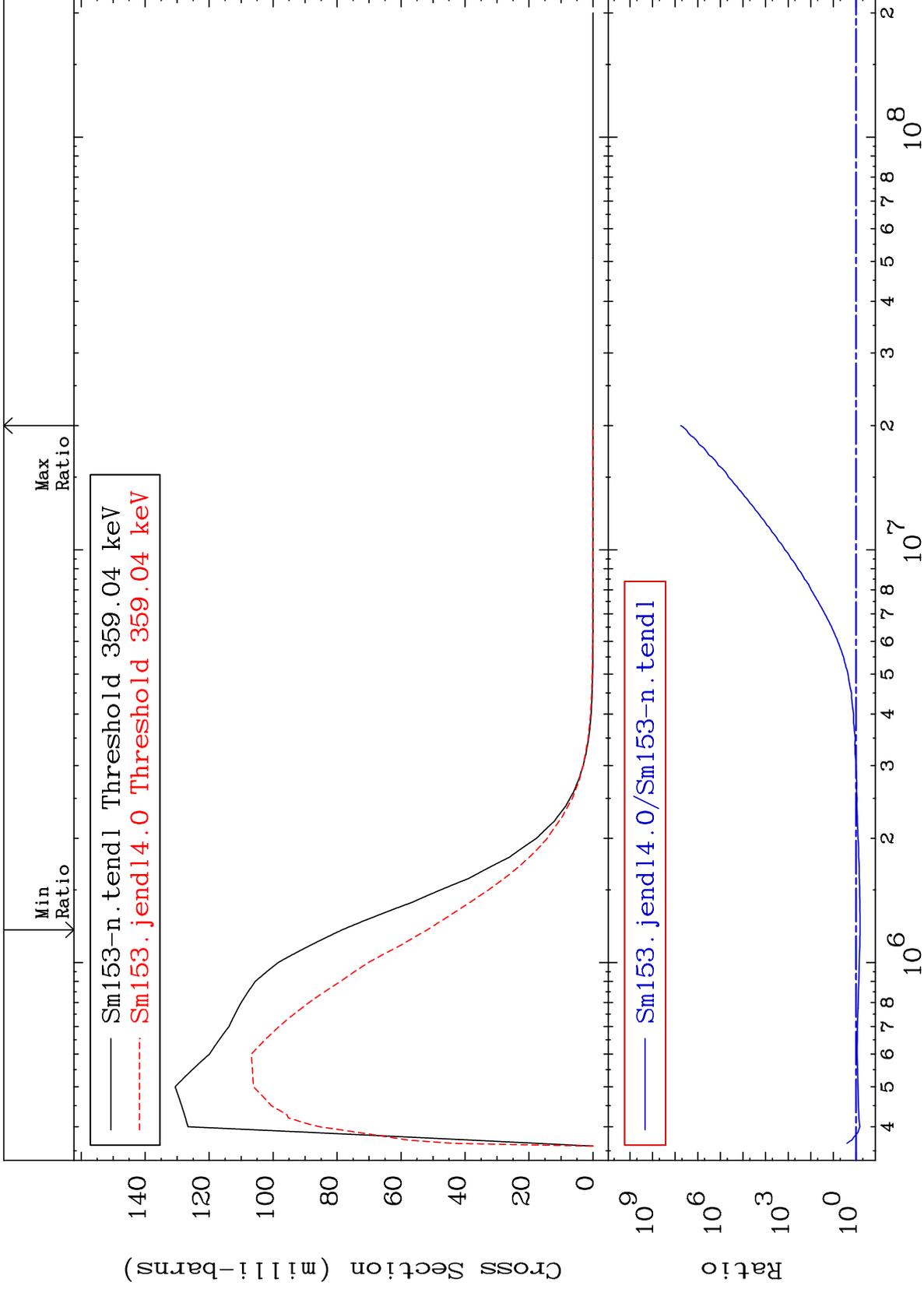
62-Sm-153
-31.11 To 9999. %



MAT 6252

356.7 keV (n,n') Level
Cross Section

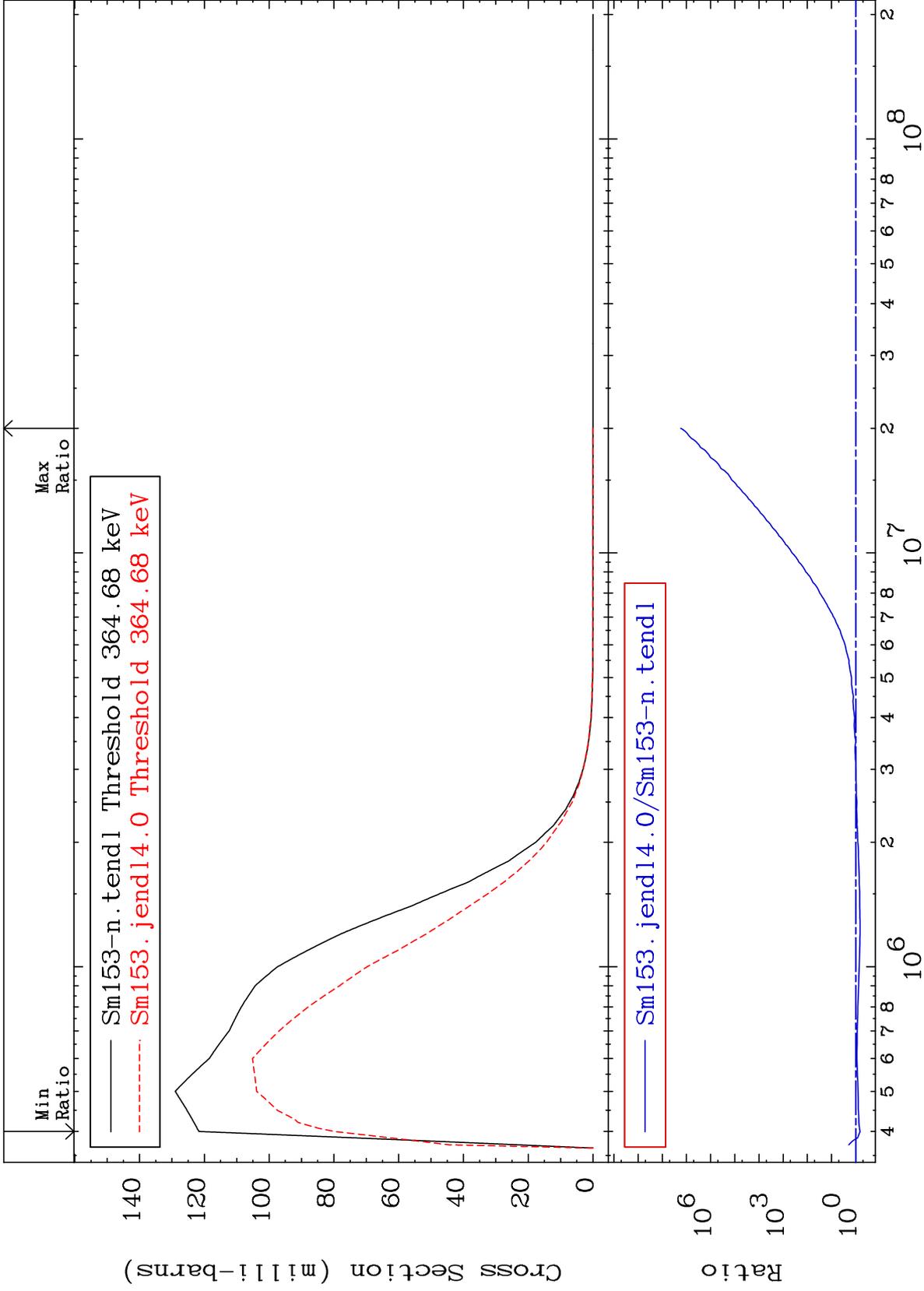
62-Sm-153
-33.95 To 9999. %



MAT 6252

362.3 keV (n,n') Level
Cross Section

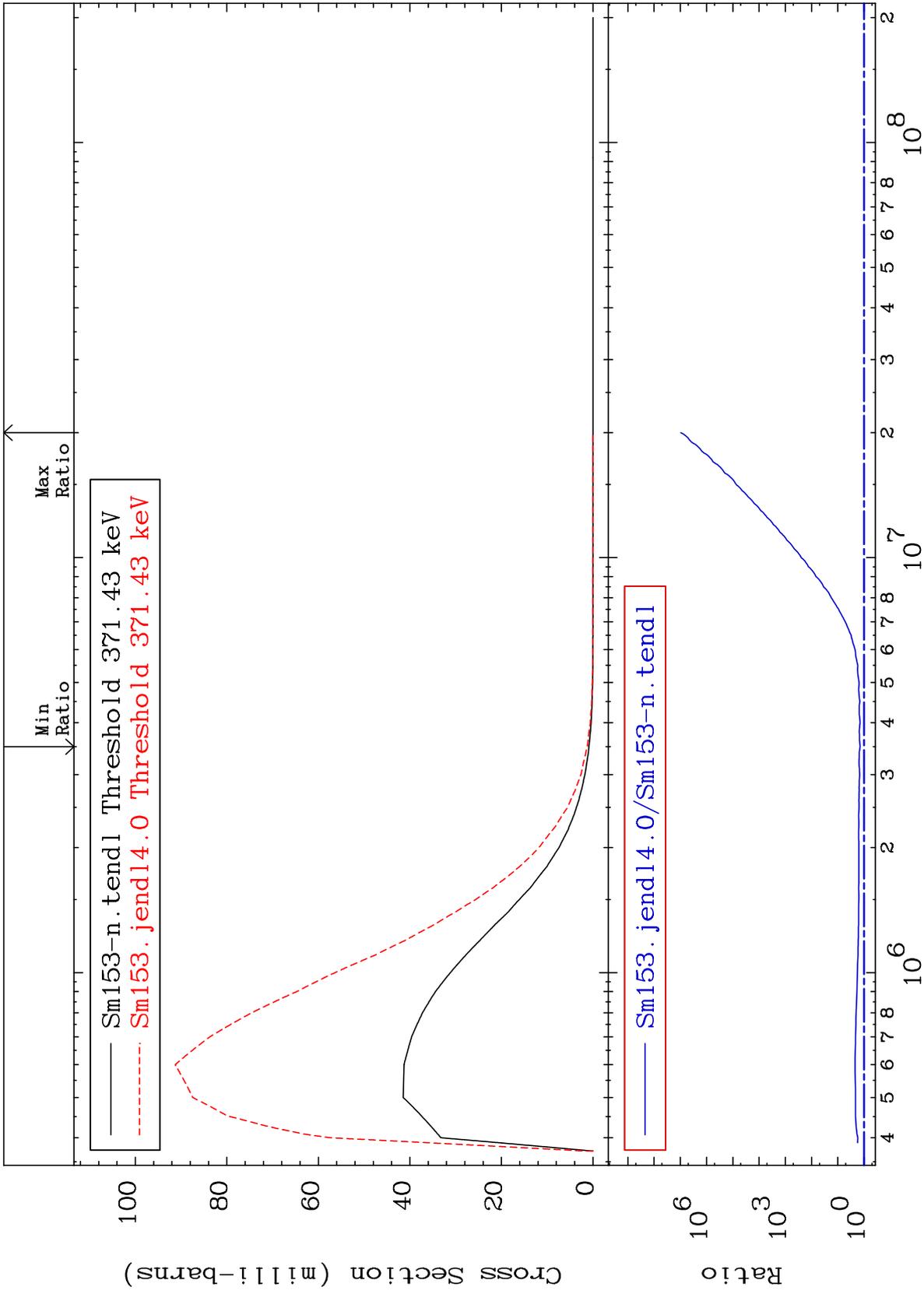
62-Sm-153
-34.32 To 9999. %



MAT 6252

369.0 keV (n,n') Level
Cross Section

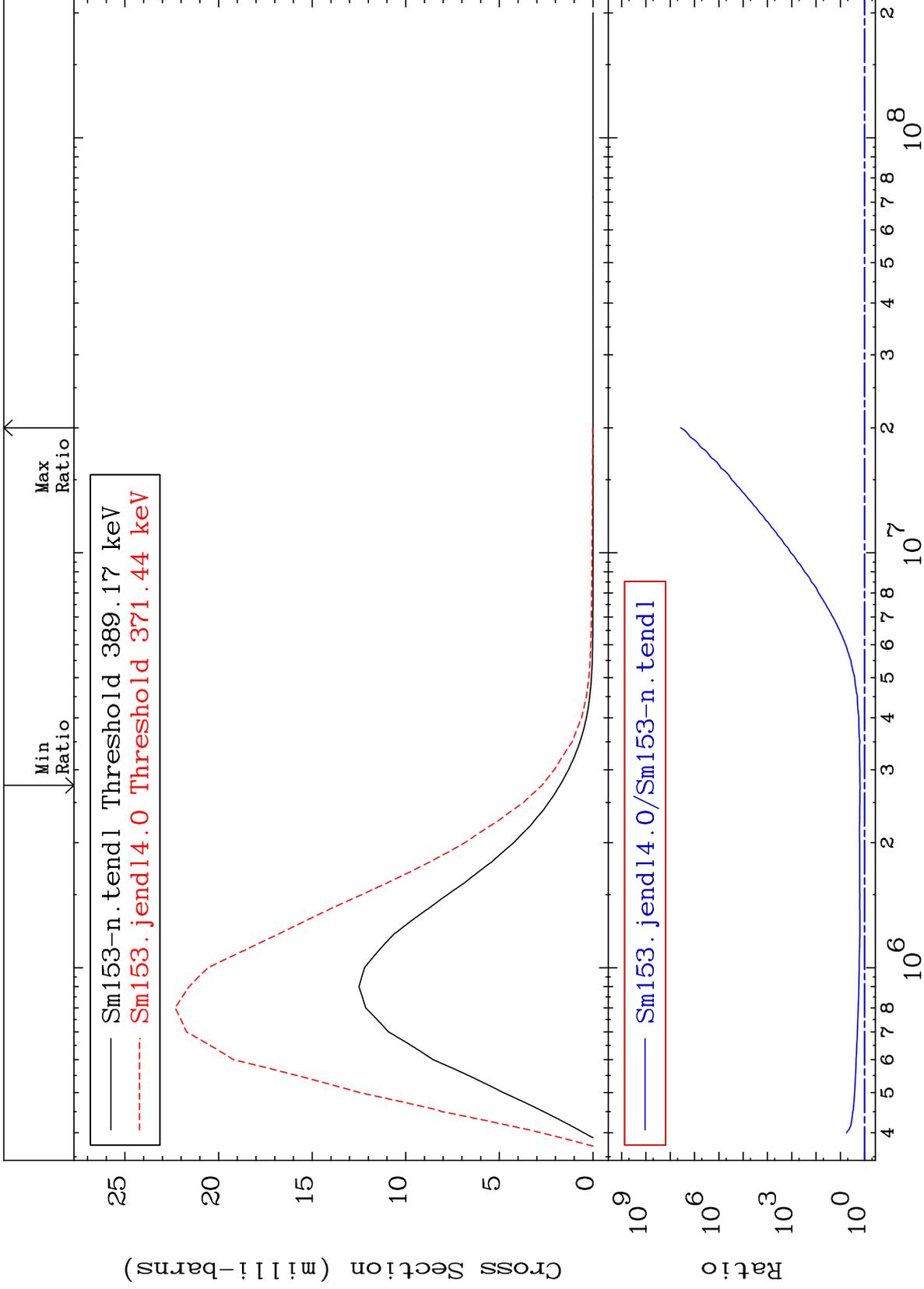
62-Sm-153
41.80 To 9999. %



MAT 6252

386.6 keV (n,n') Level
Cross Section

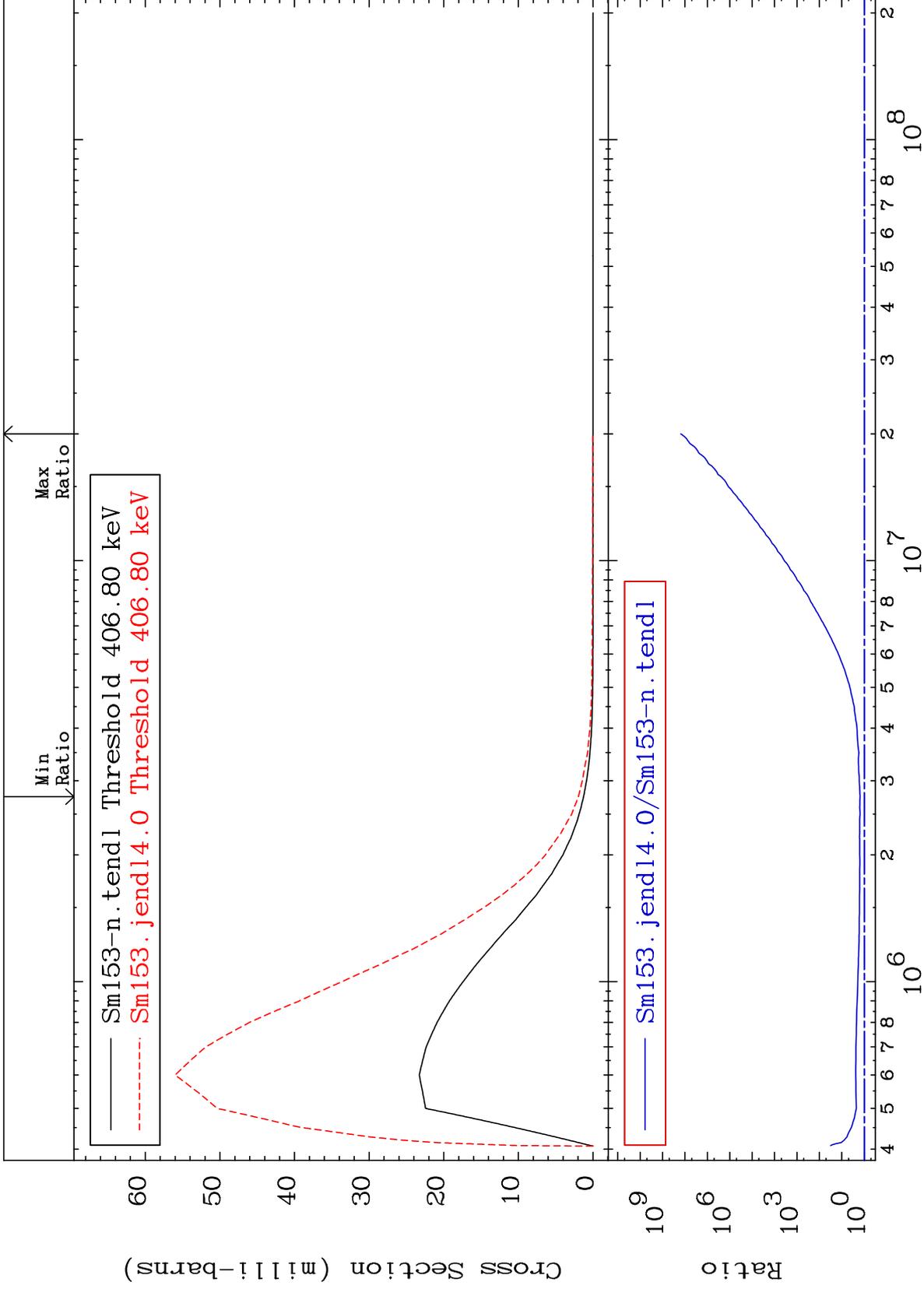
62-Sm-153
54.19 To 9999. %



MAT 6252

404.1 keV (n,n') Level
Cross Section

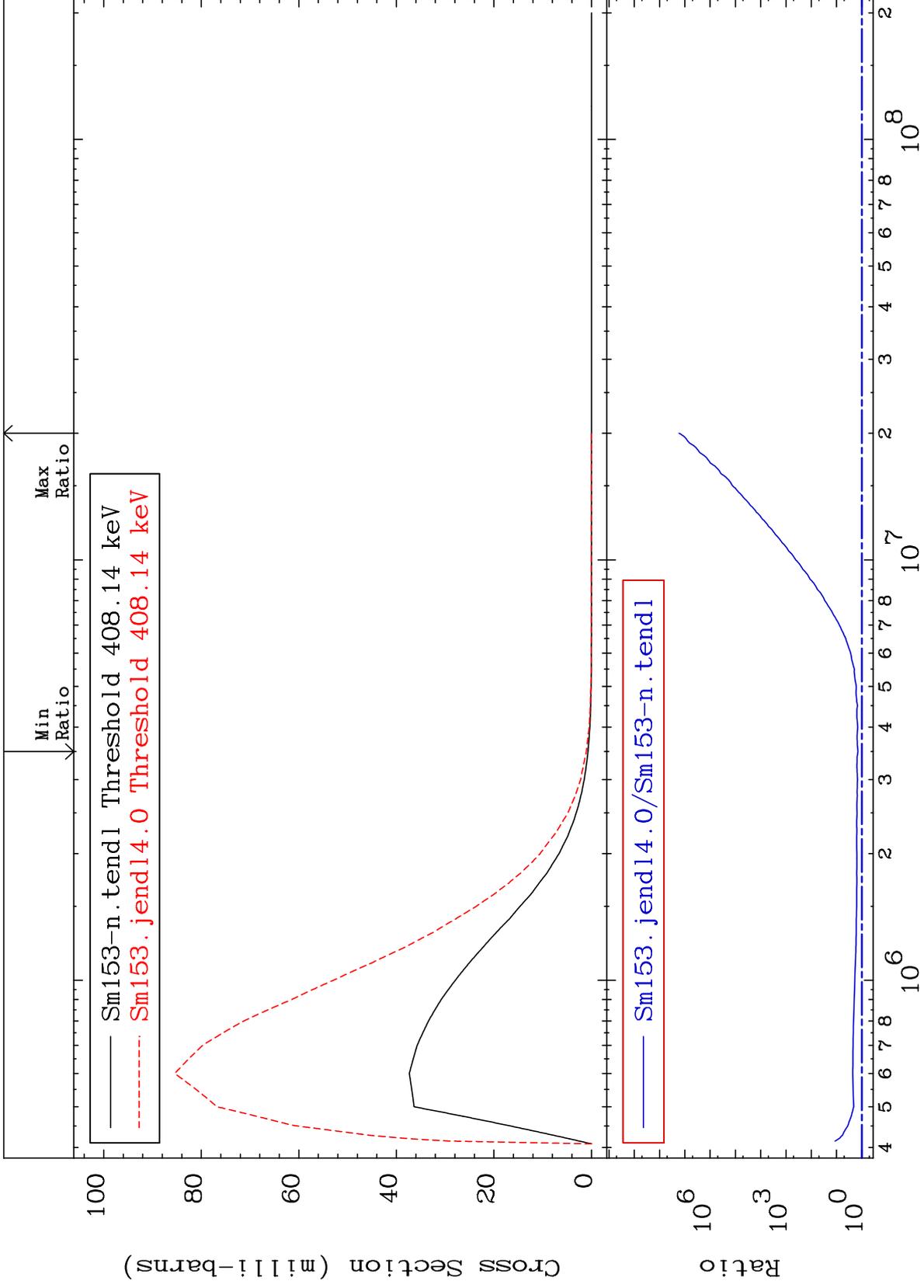
62-Sm-153
52.47 To 9999. %



MAT 6252

405.5 keV (n,n') Level
Cross Section

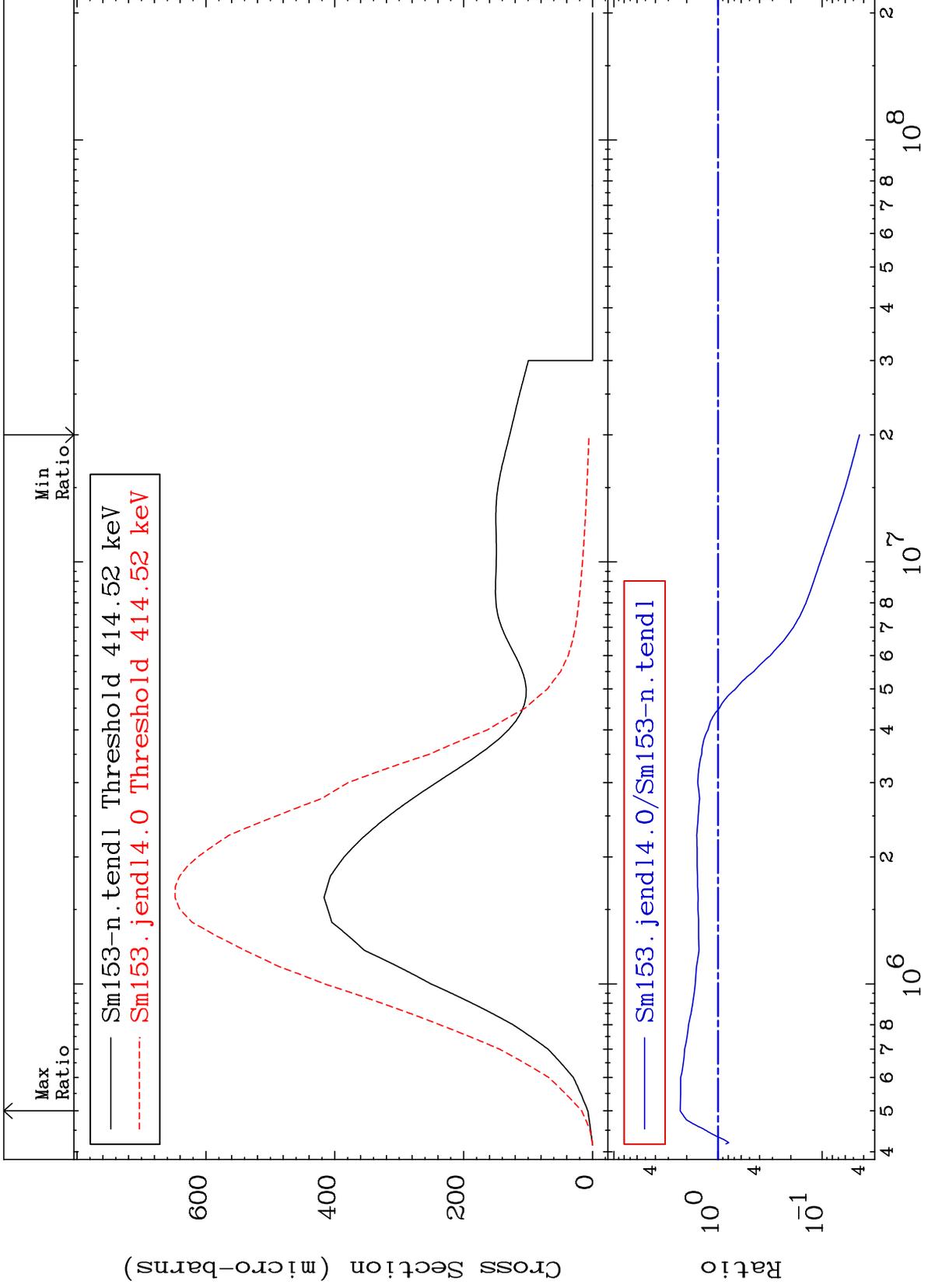
62-Sm-153
43.03 To 9999. %



MAT 6252

411.8 keV (n,n') Level
Cross Section

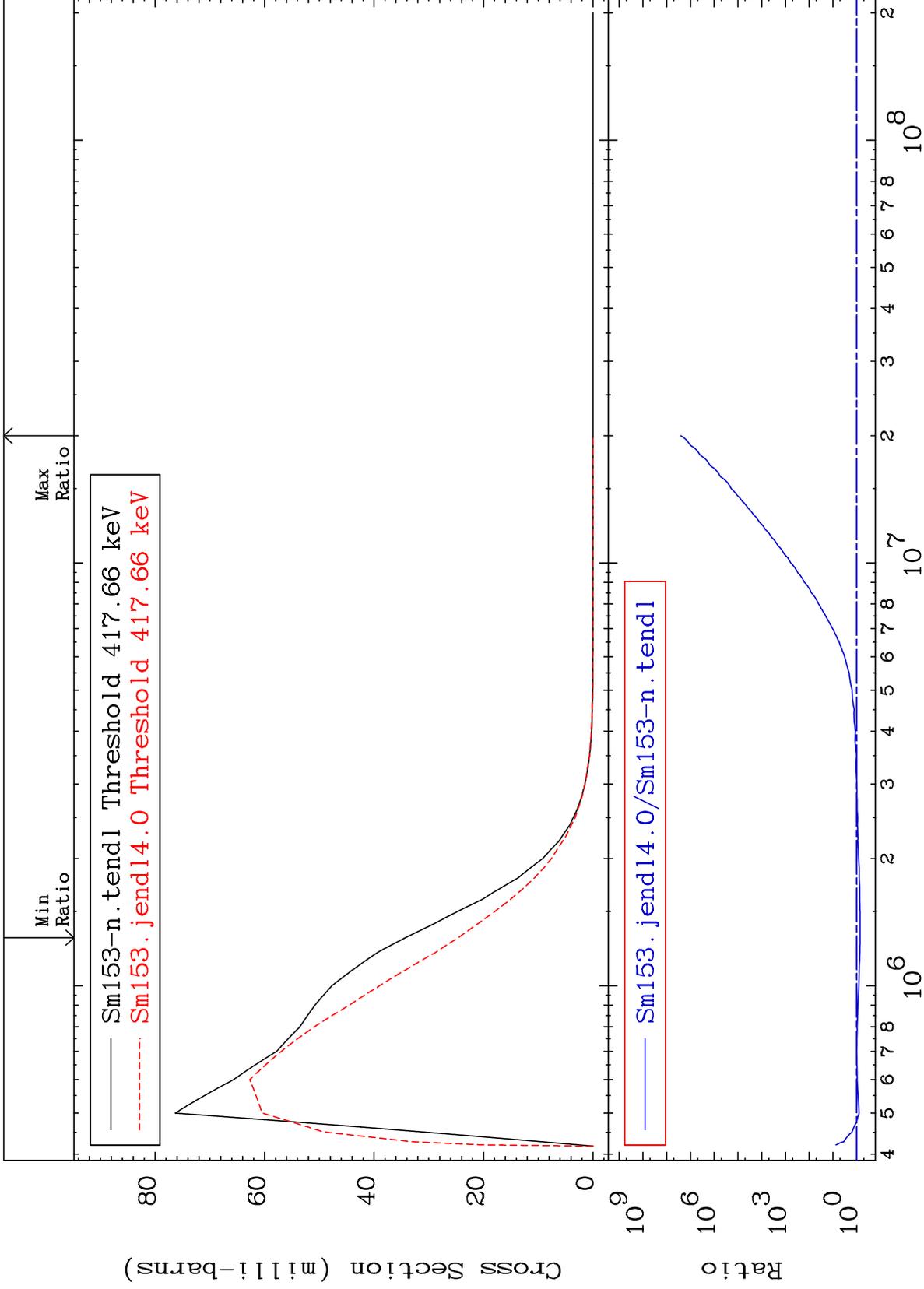
62-Sm-153
-95.62 To 130.7 %



MAT 6252

414.9 keV (n,n') Level
Cross Section

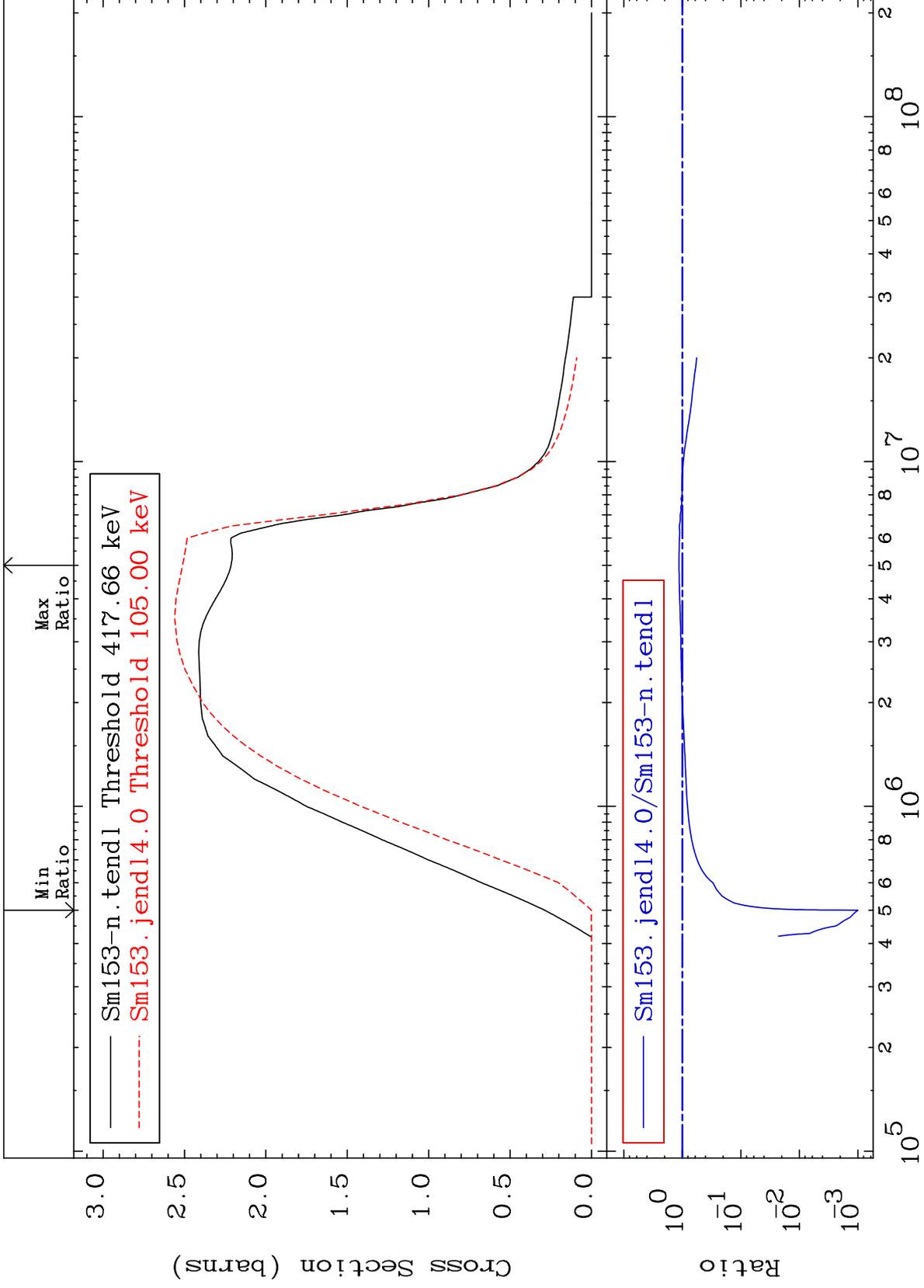
62-Sm-153
-28.15 To 9999. %

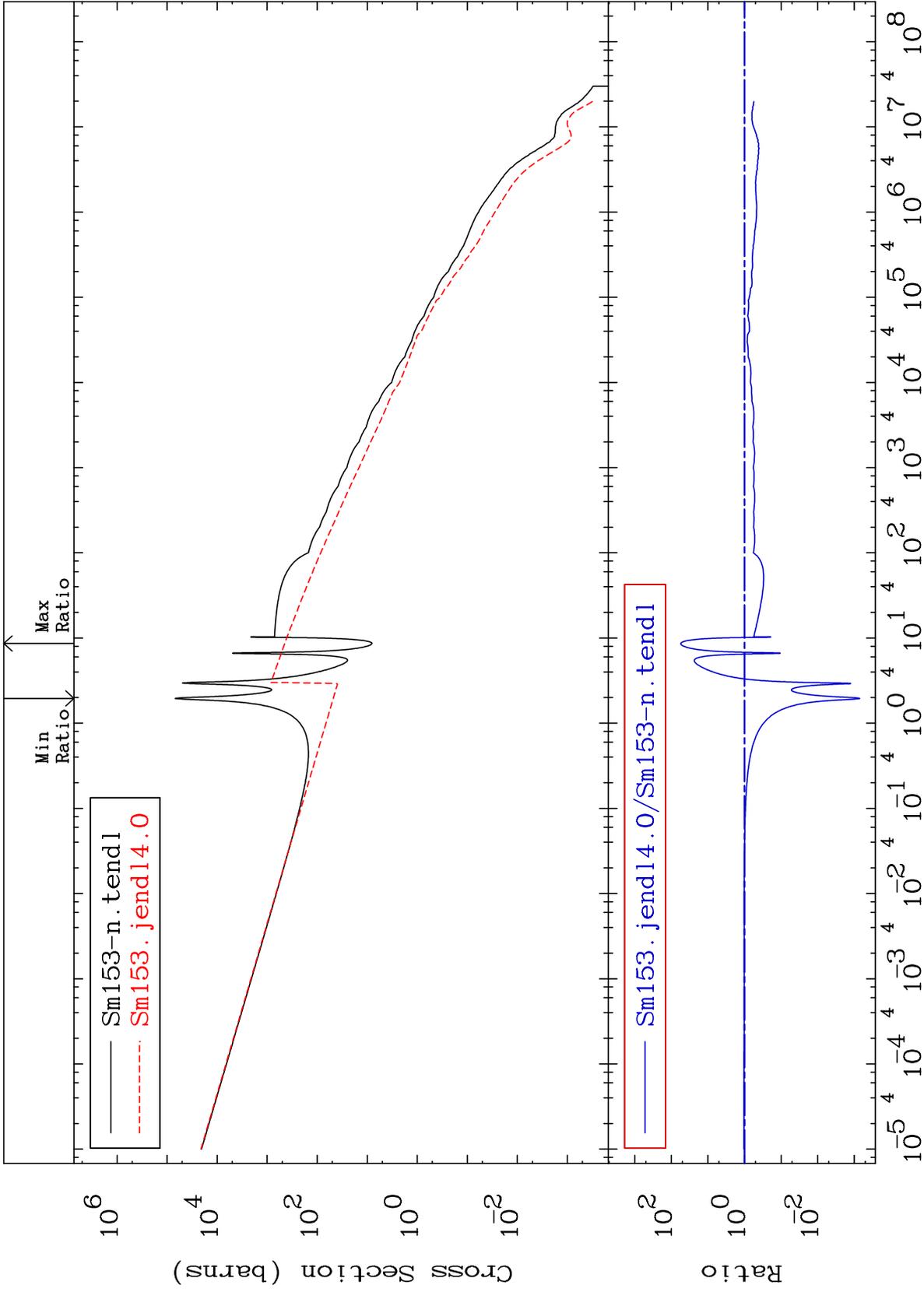


MAT 6252

(n, n') Continuum
Cross Section

62-Sm-153
-99.90 To 13.45 %





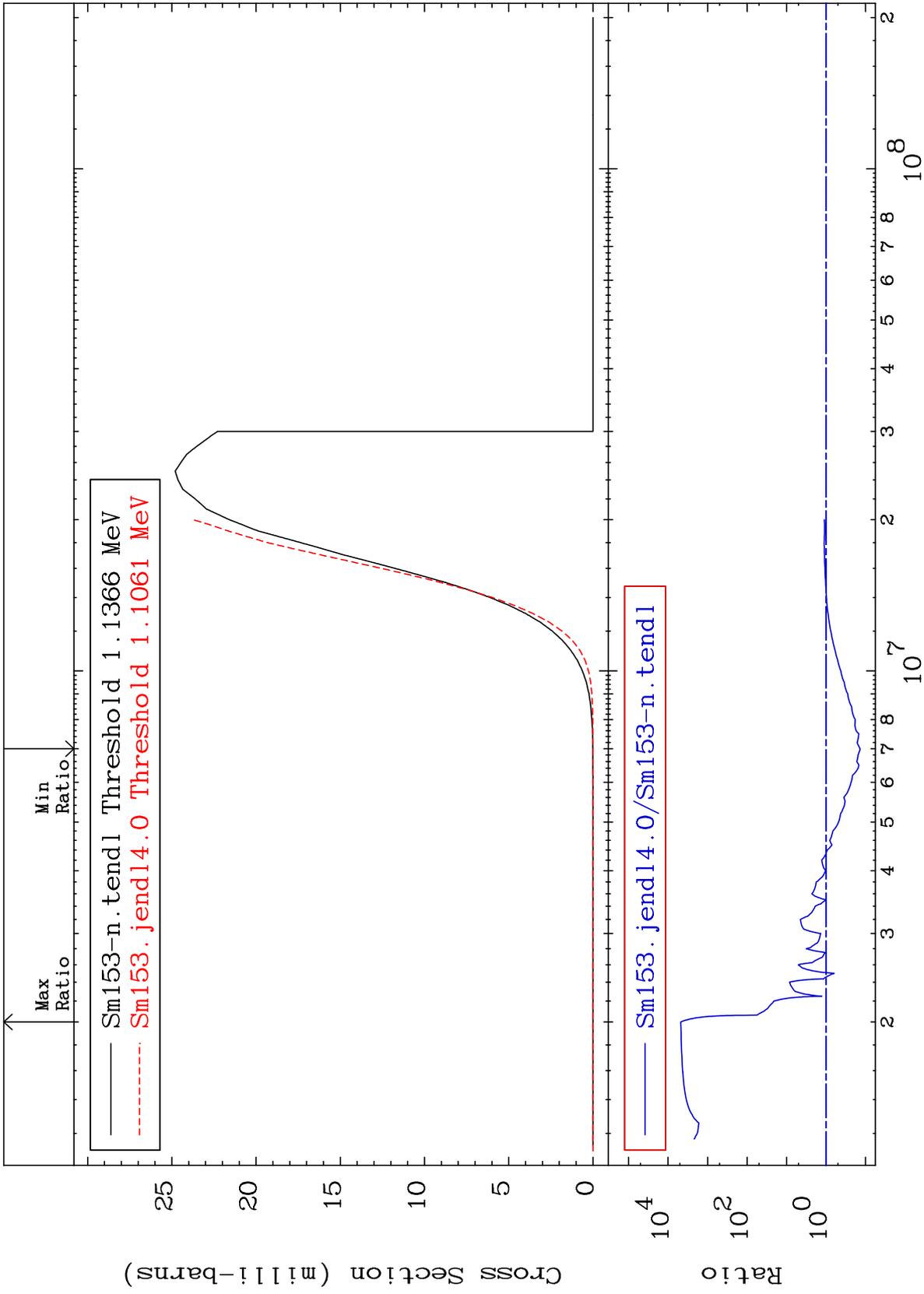
MAT 6252

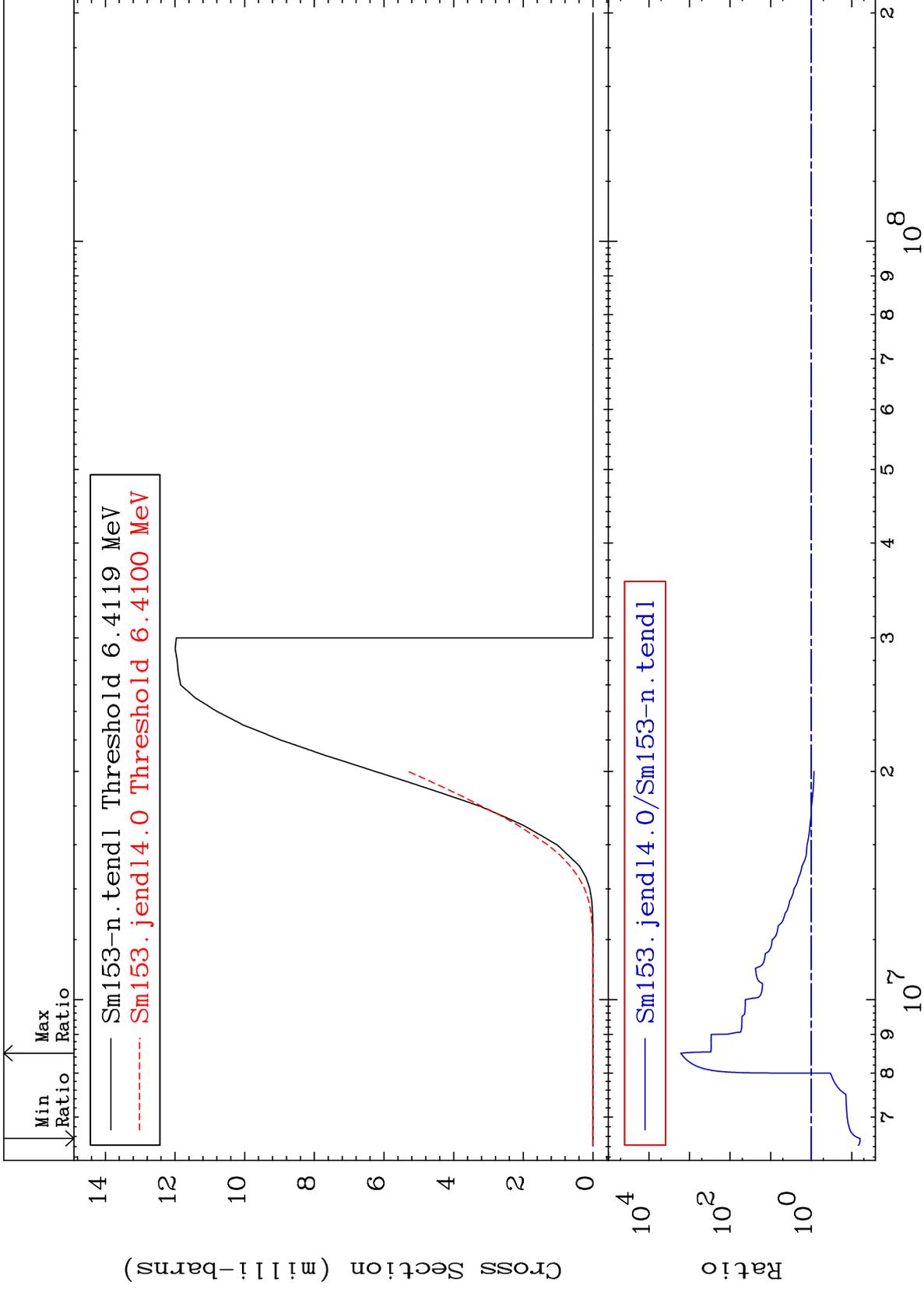
(n,p)

62-Sm-153

Cross Section

-86.24 To 9999. %





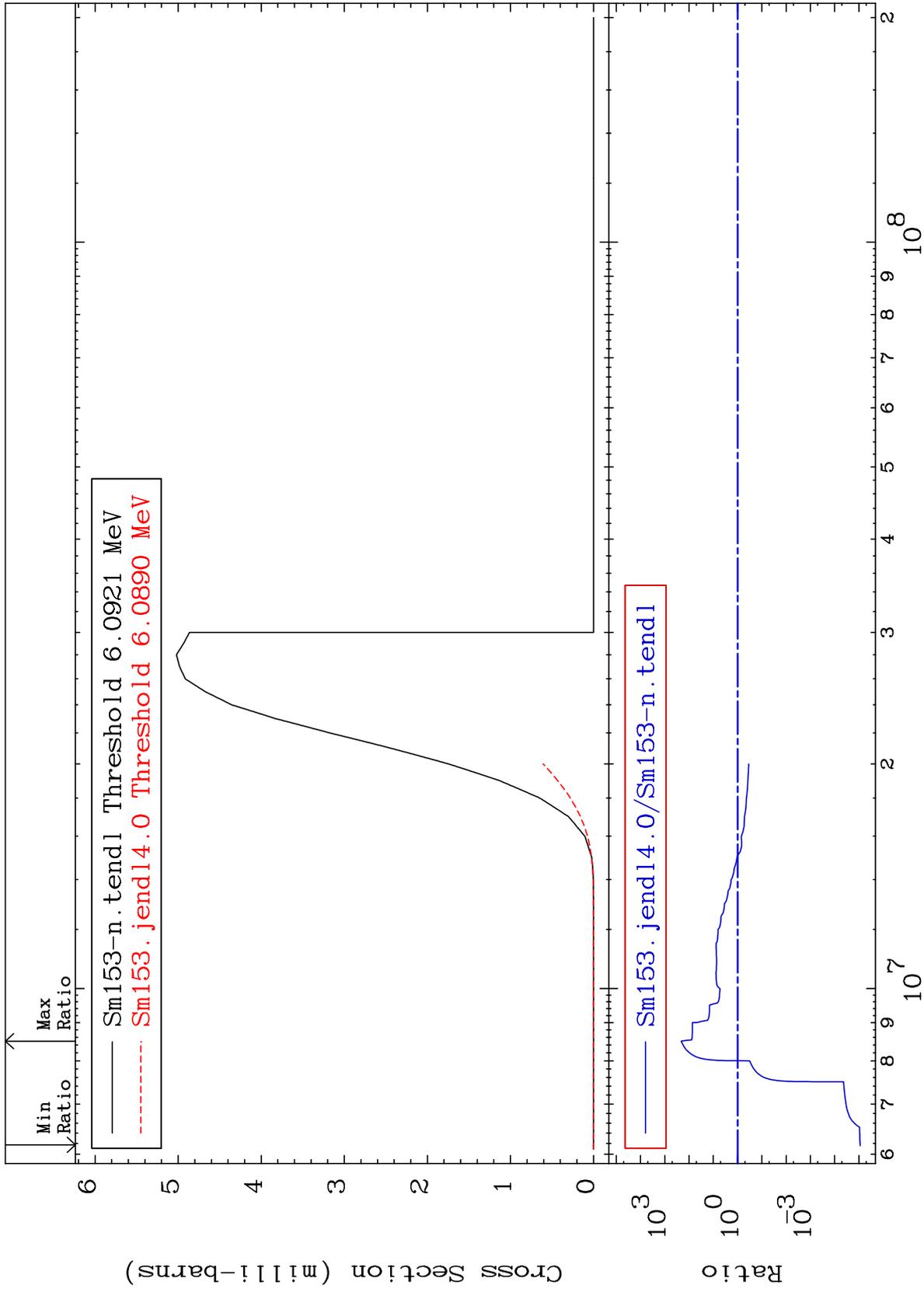
MAT 6252

(n, t)

62-Sm-153

Cross Section

-100.0 To 9999. %



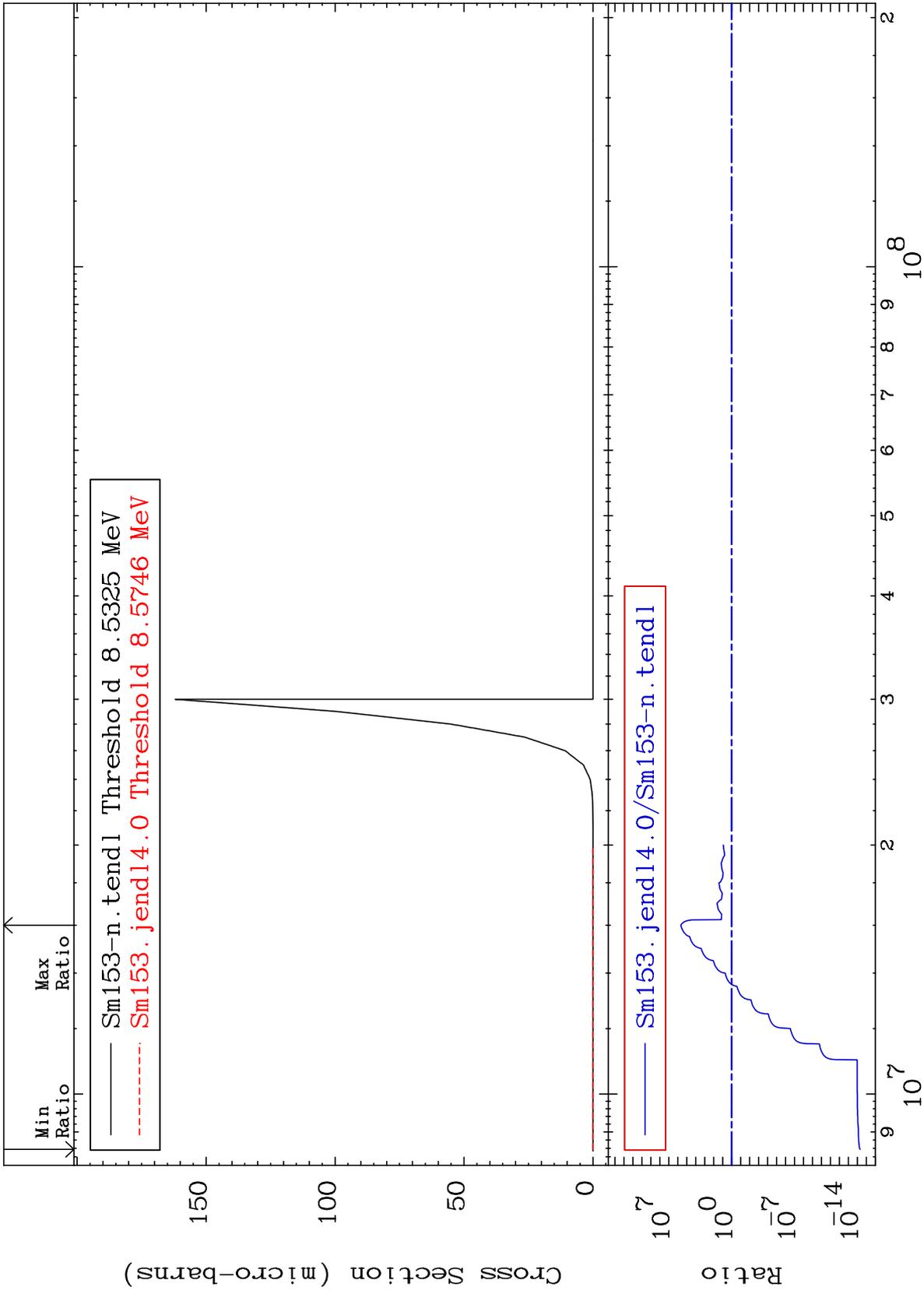
MAT 6252

(n, He-3)

62-Sm-153

Cross Section

-100.0 To 9999. %



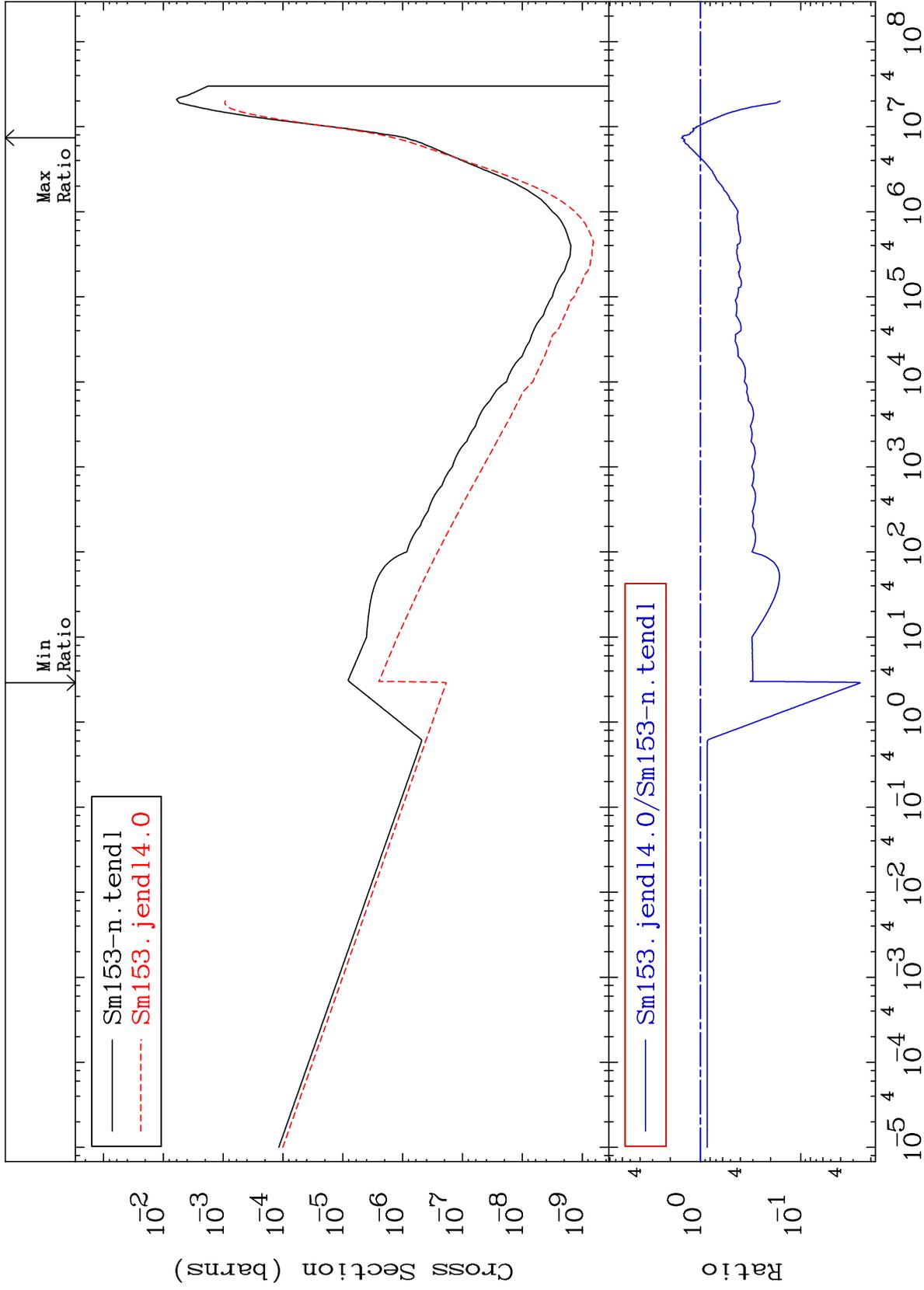
45

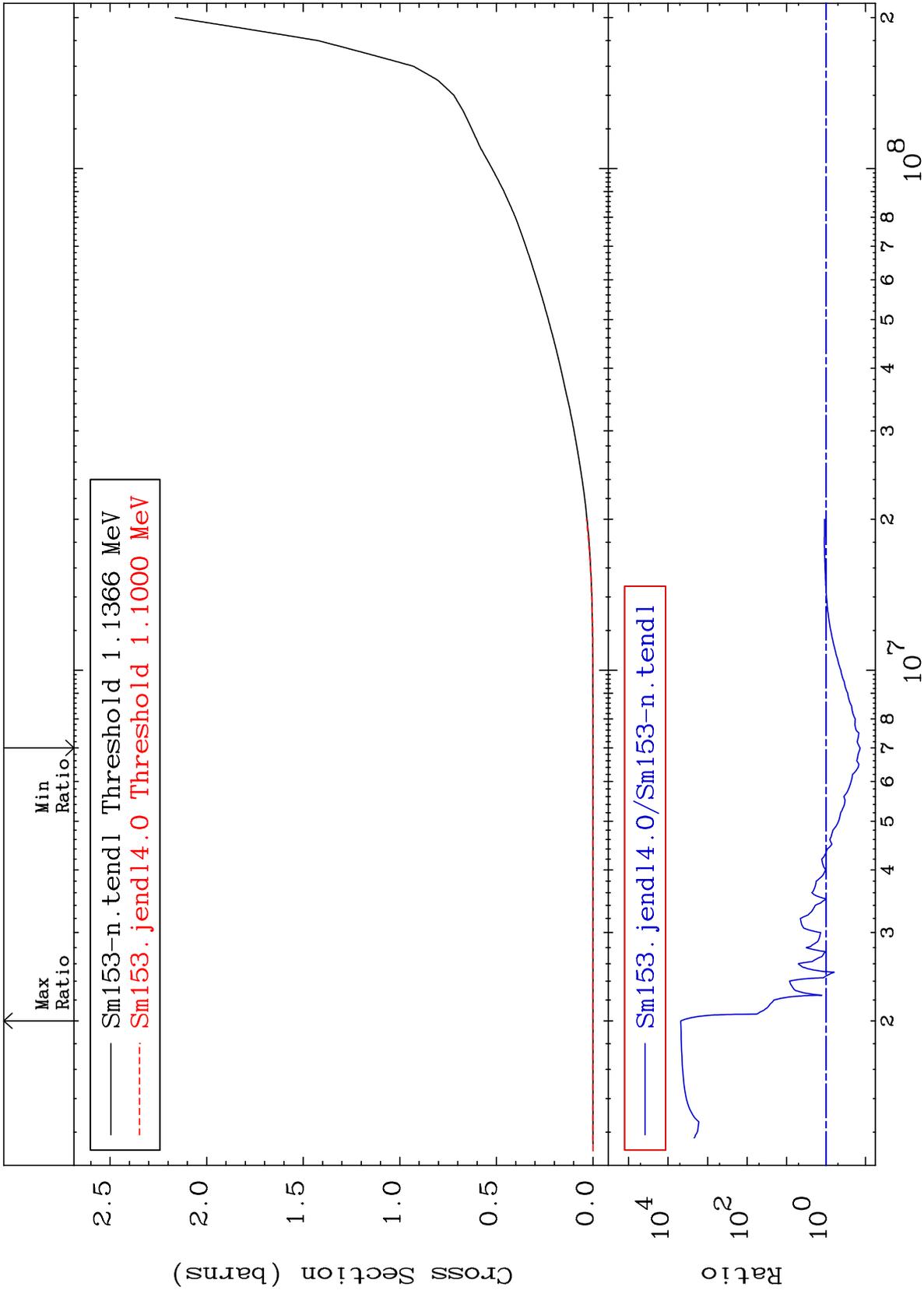
Incident Energy (eV)

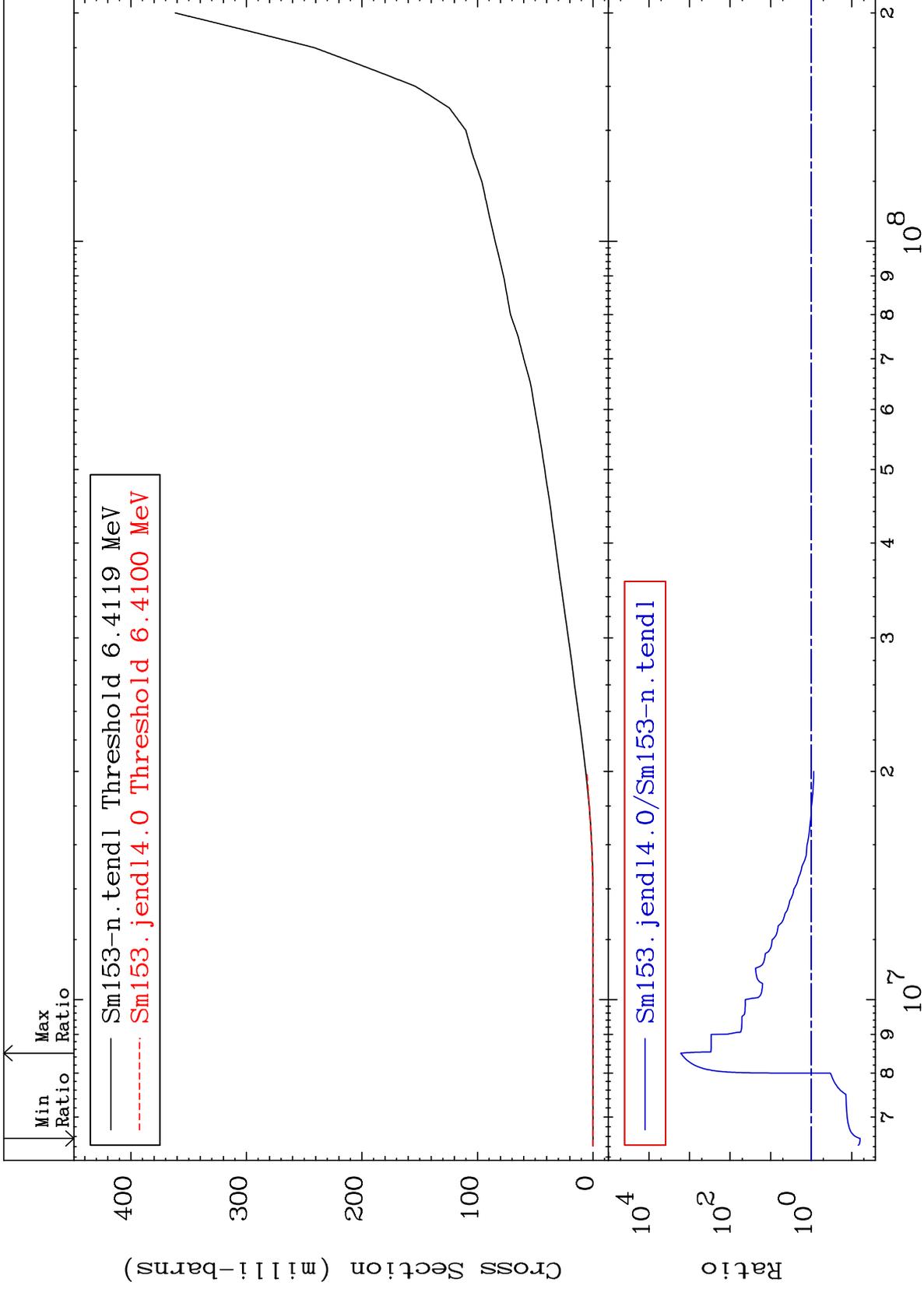
62-Sm-153

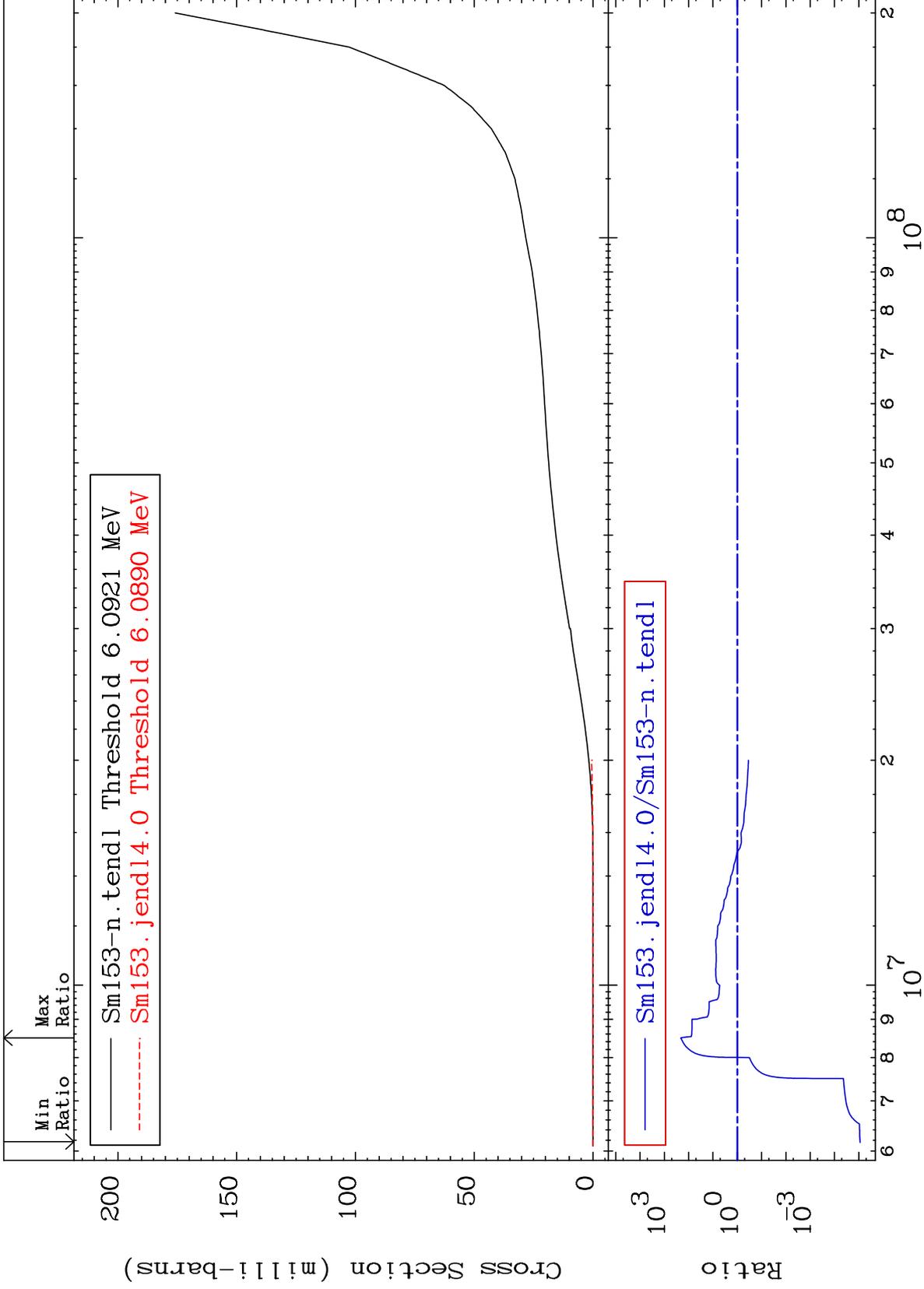
MAT 6252

(n, α)
Cross Section
62-Sm-153
-97.45 To 55.57 %





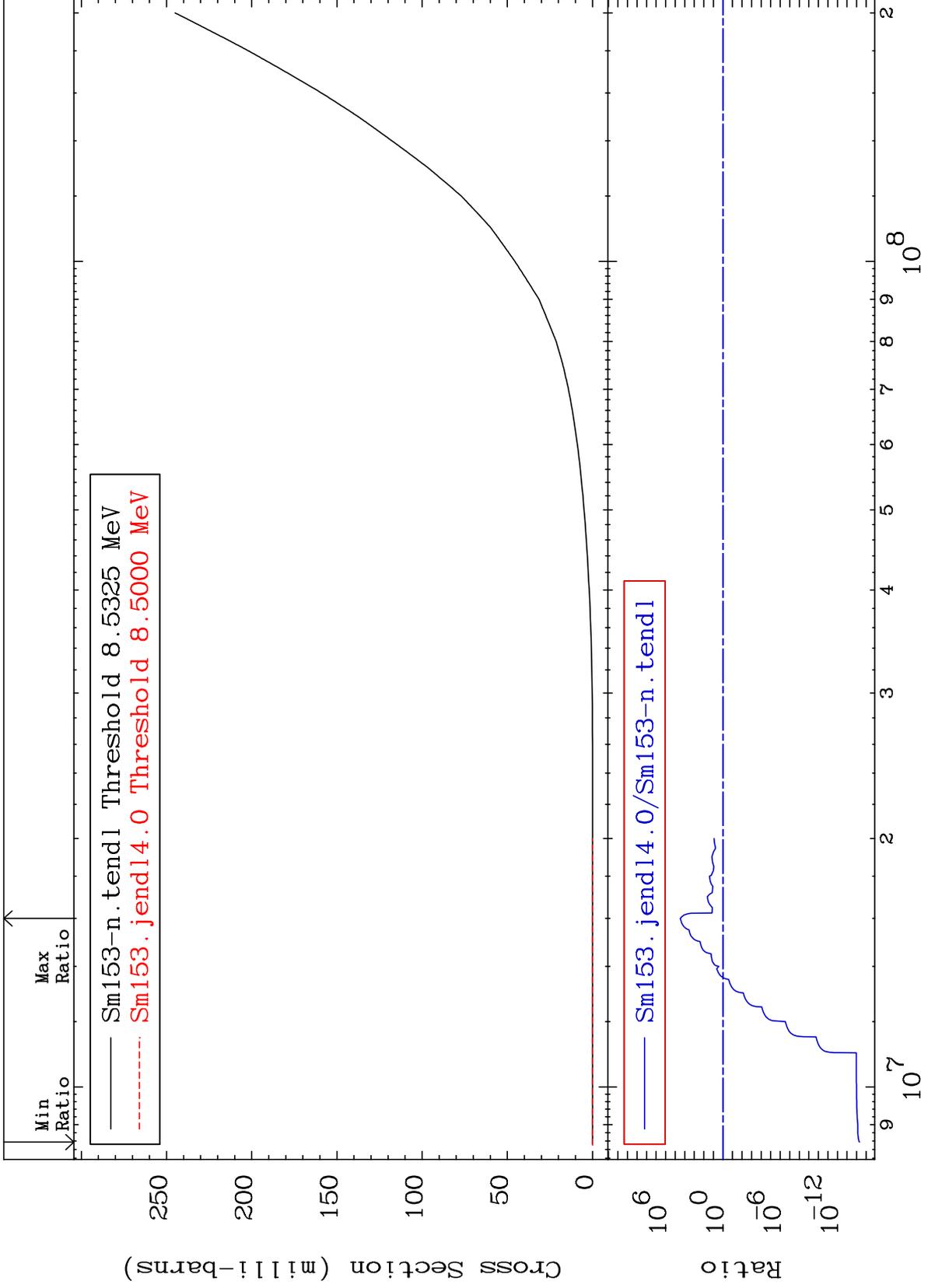




MAT 6252

He-3 Production
Cross Section

62-Sm-153
-100.0 To 9999. %



50

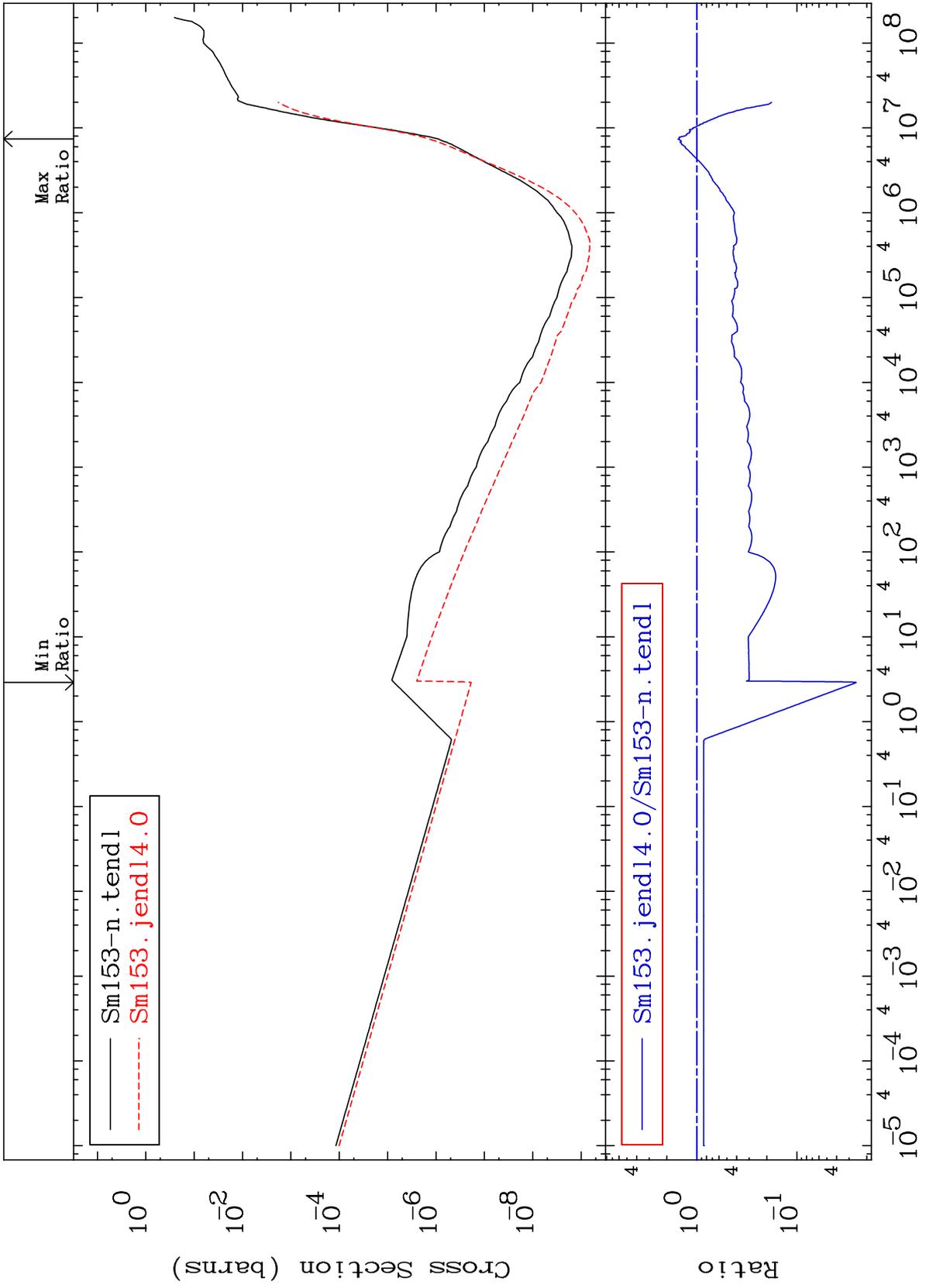
Incident Energy (eV)

62-Sm-153

MAT 6252

He-4 Production
Cross Section

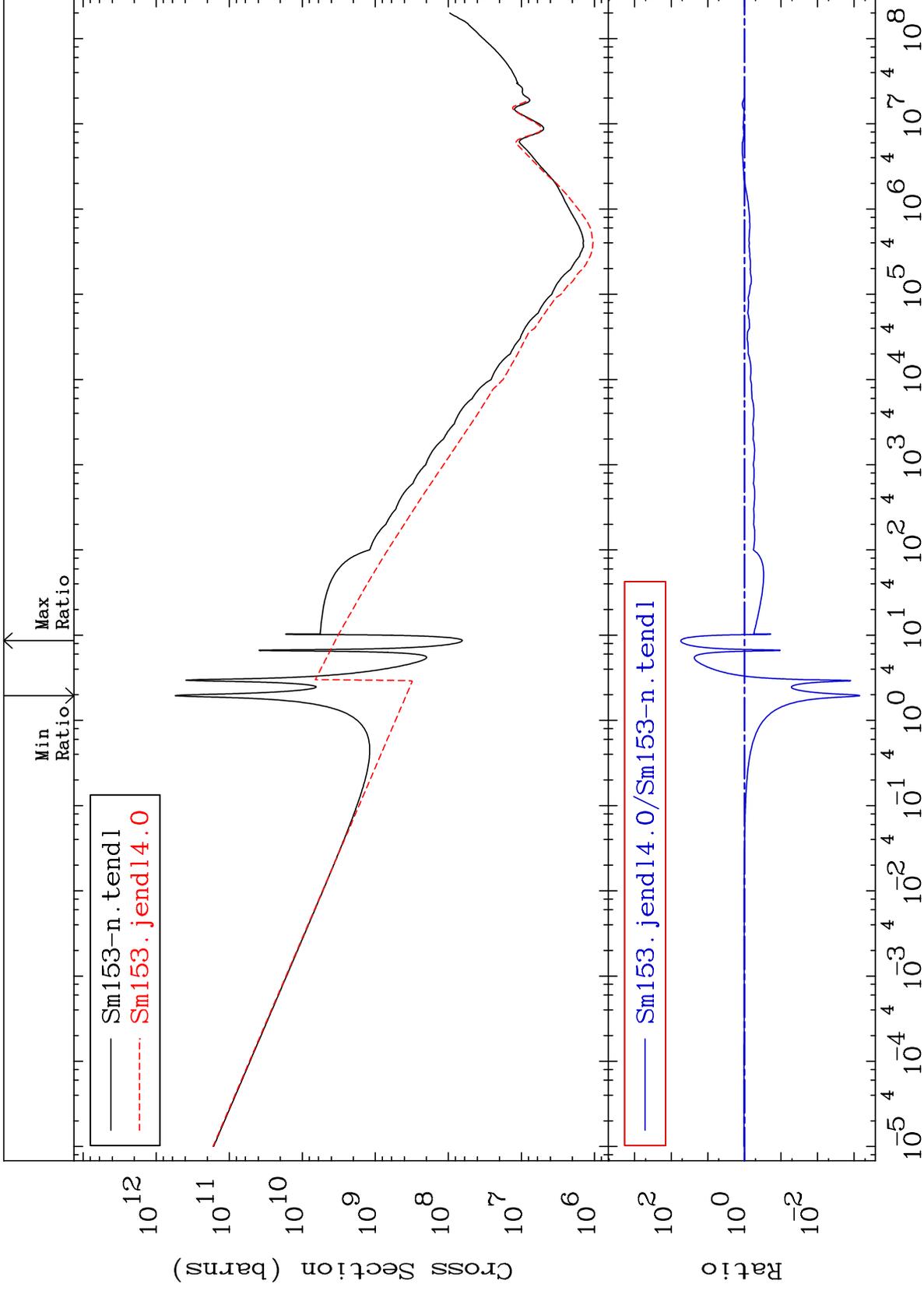
62-Sm-153
-97.45 To 55.54 %



51

Incident Energy (eV)

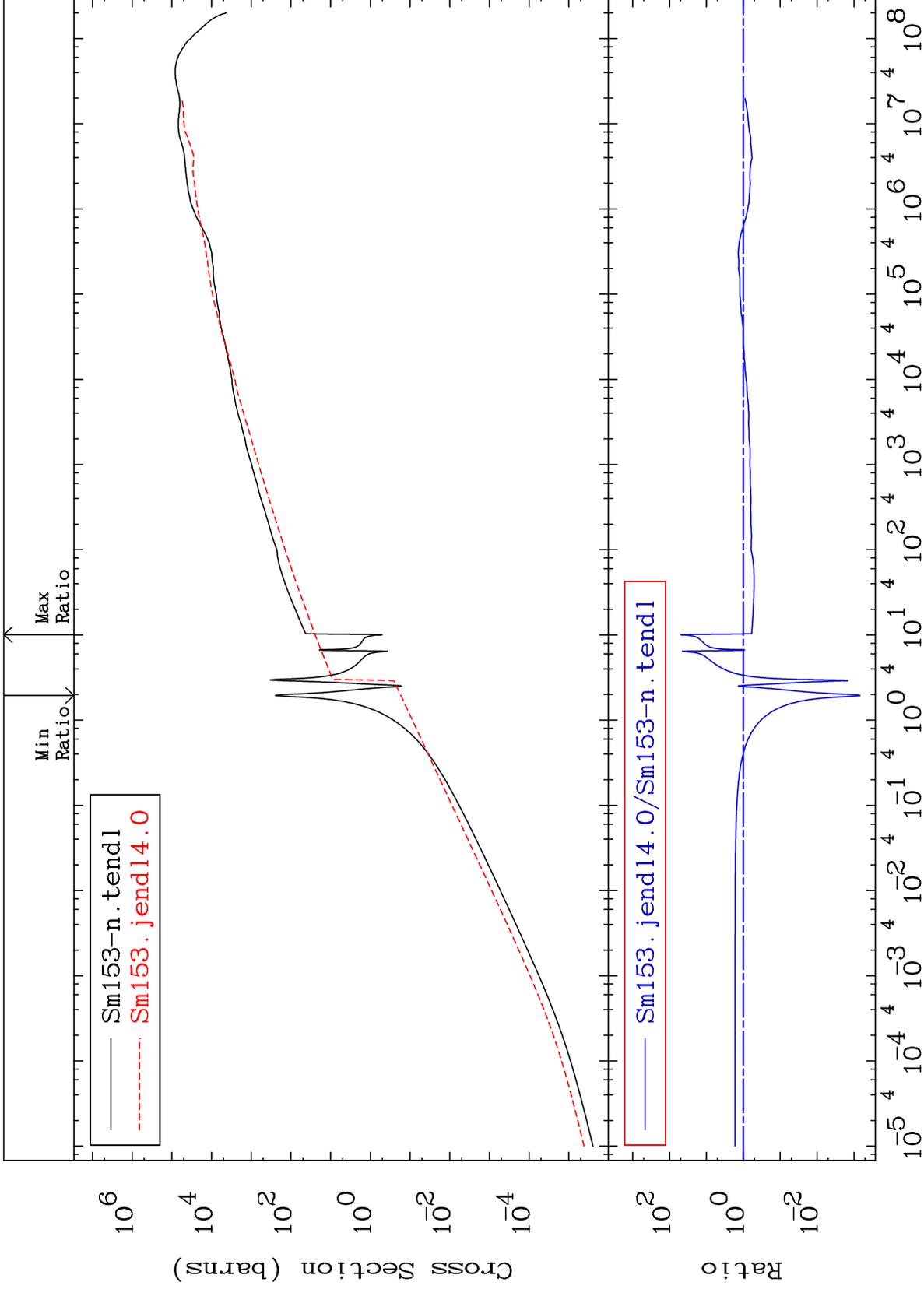
62-Sm-153

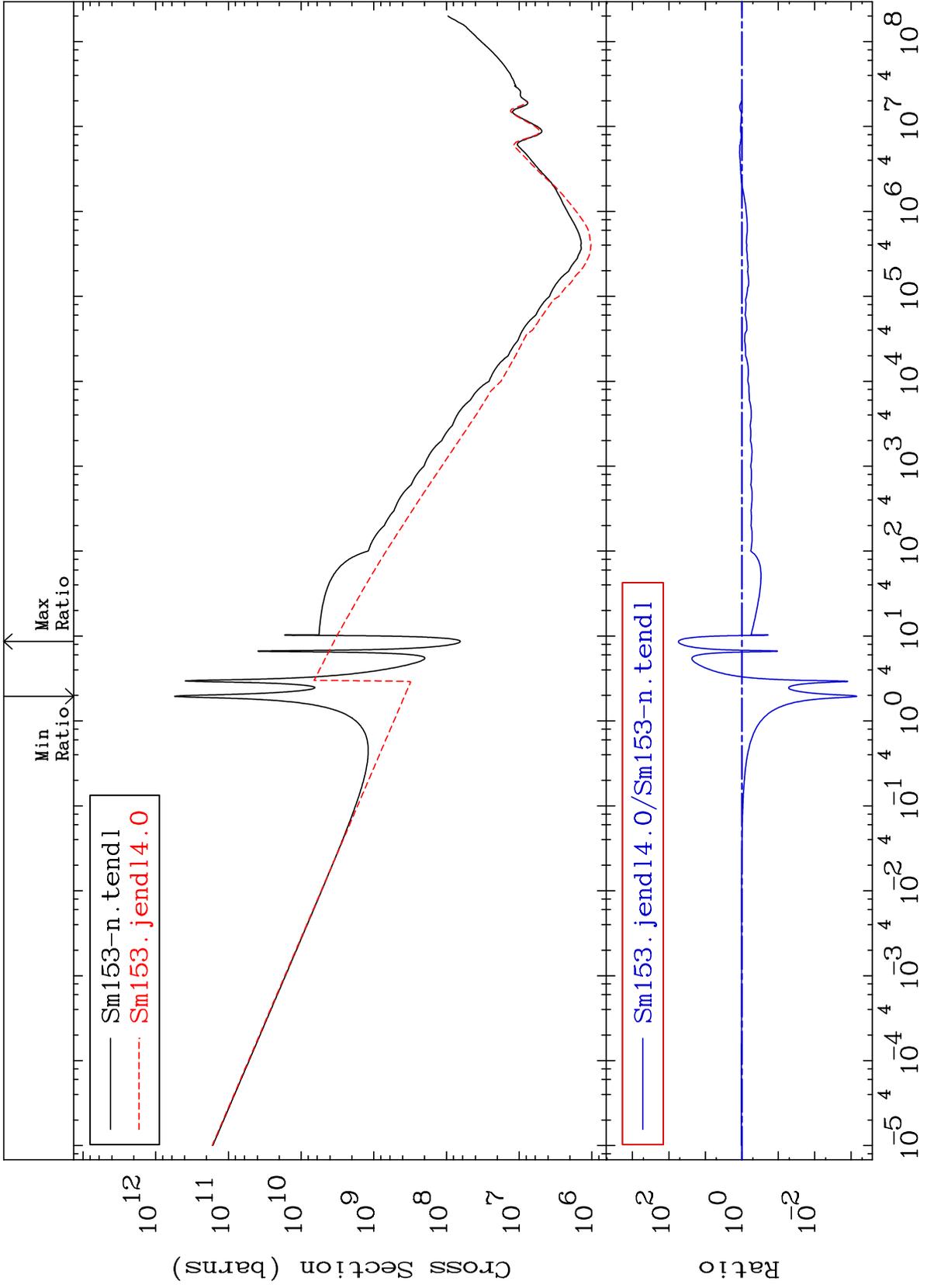


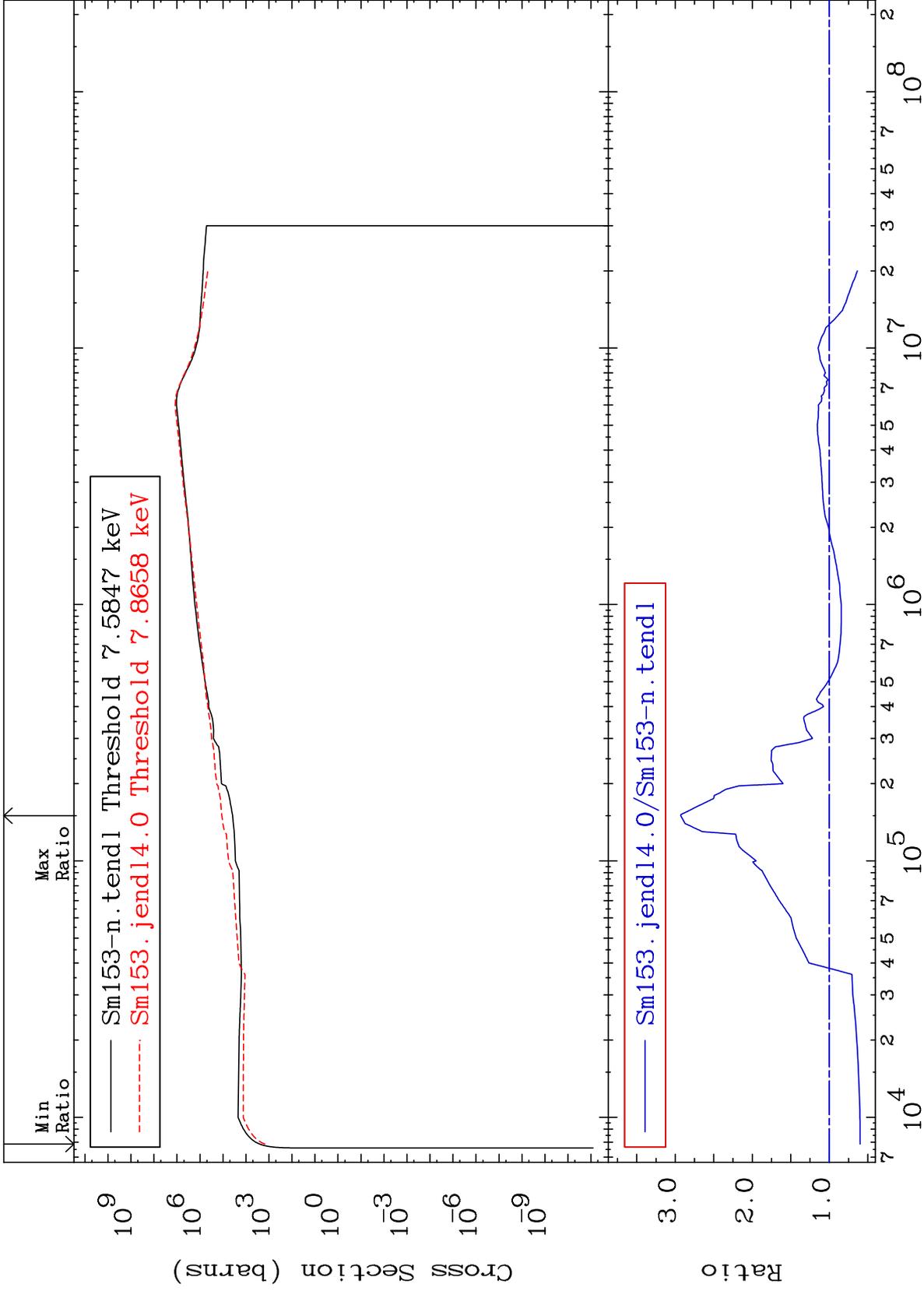
MAT 6252

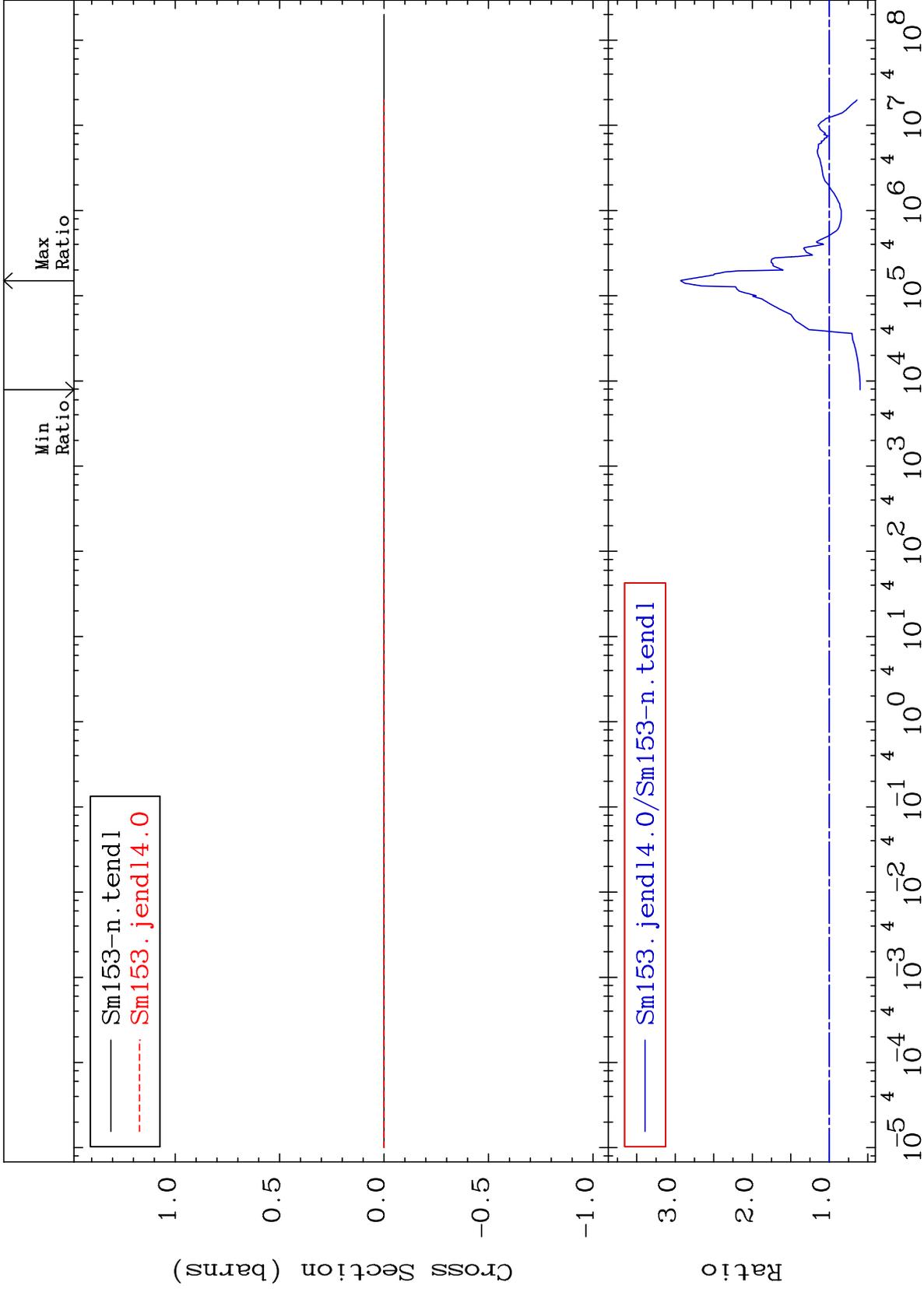
Kerma elastic
Cross Section

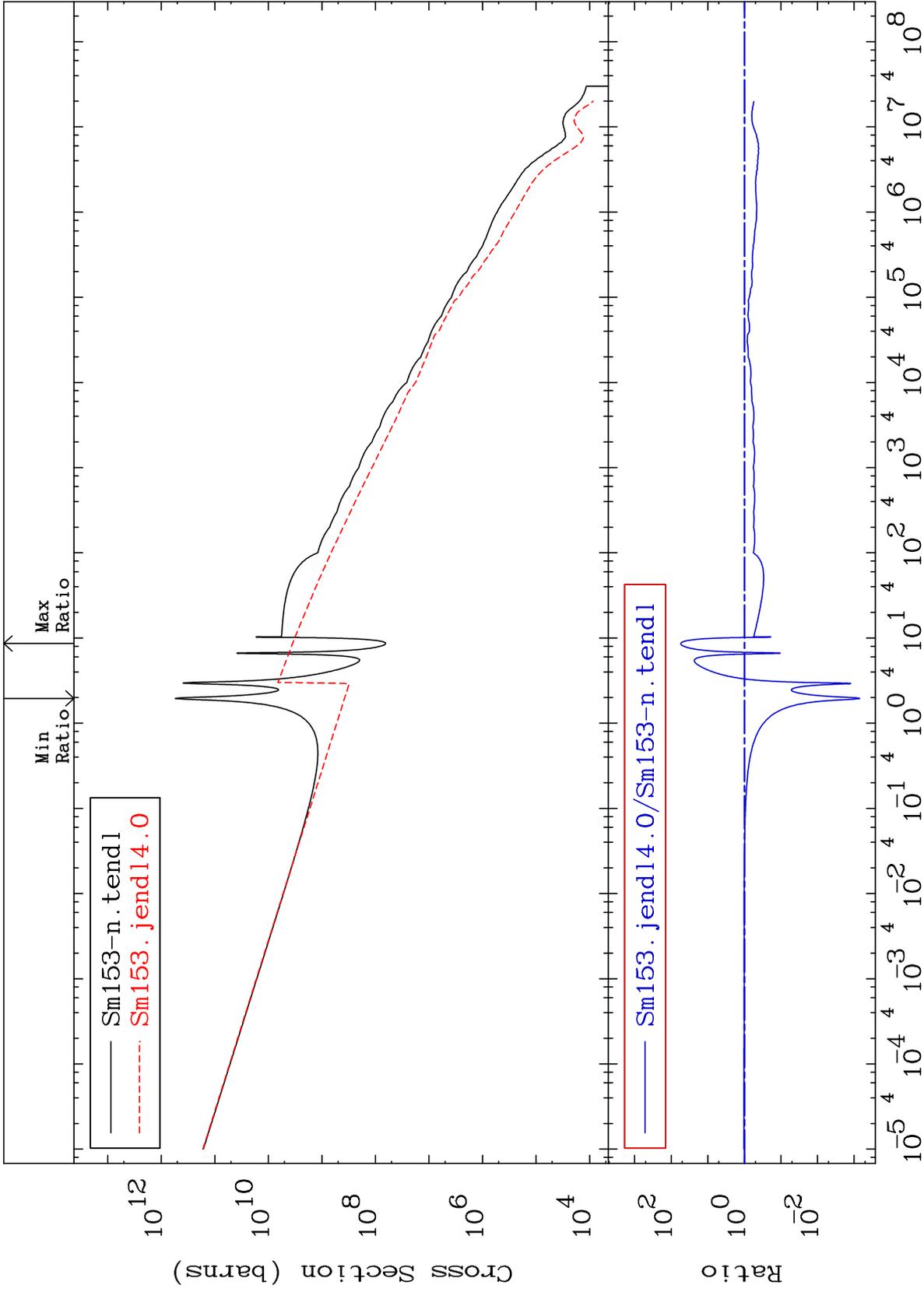
62-Sm-153
-99.93 To 4869. %







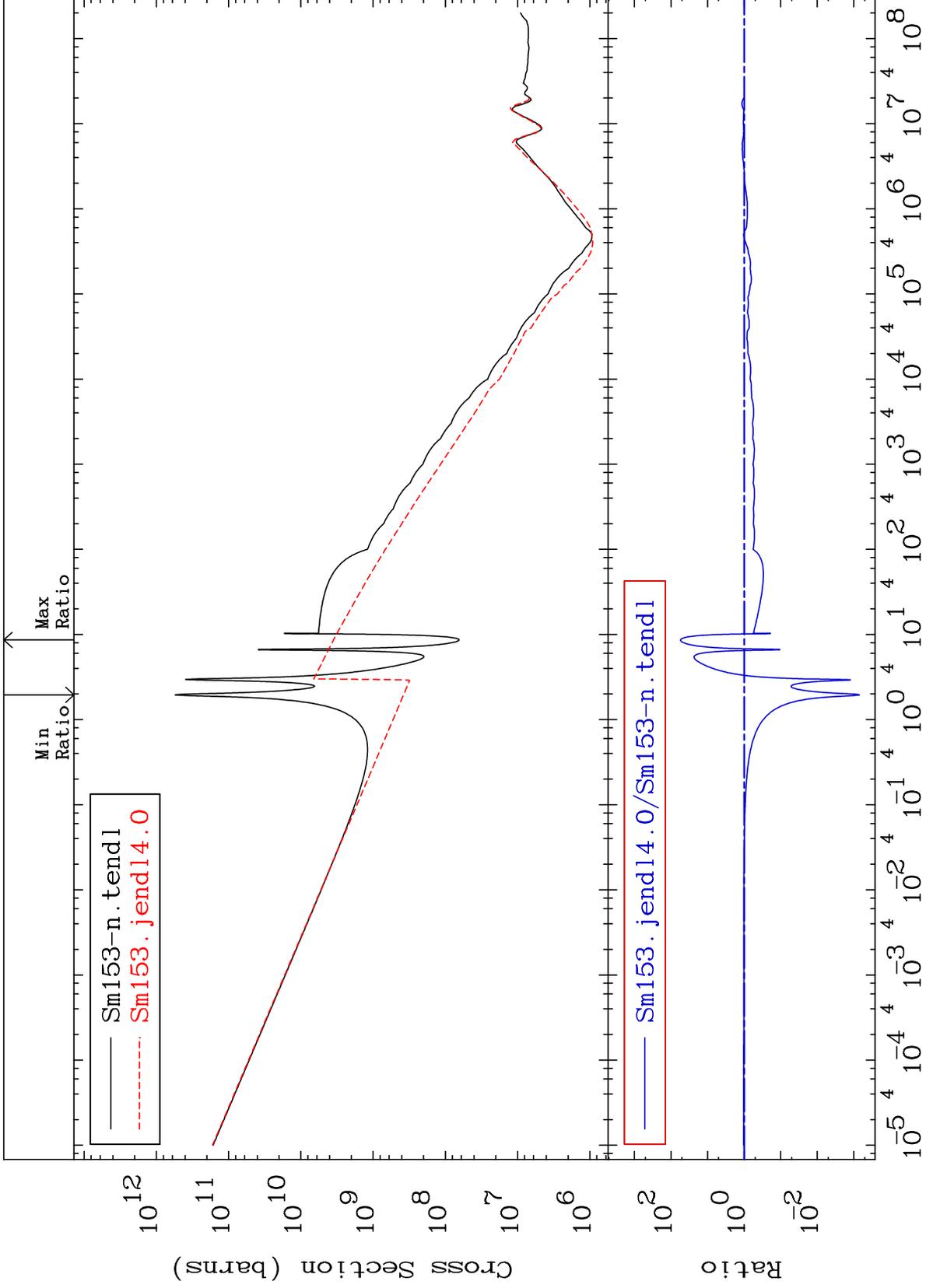




MAT 6252

Total photon (eV-barns)
Cross Section

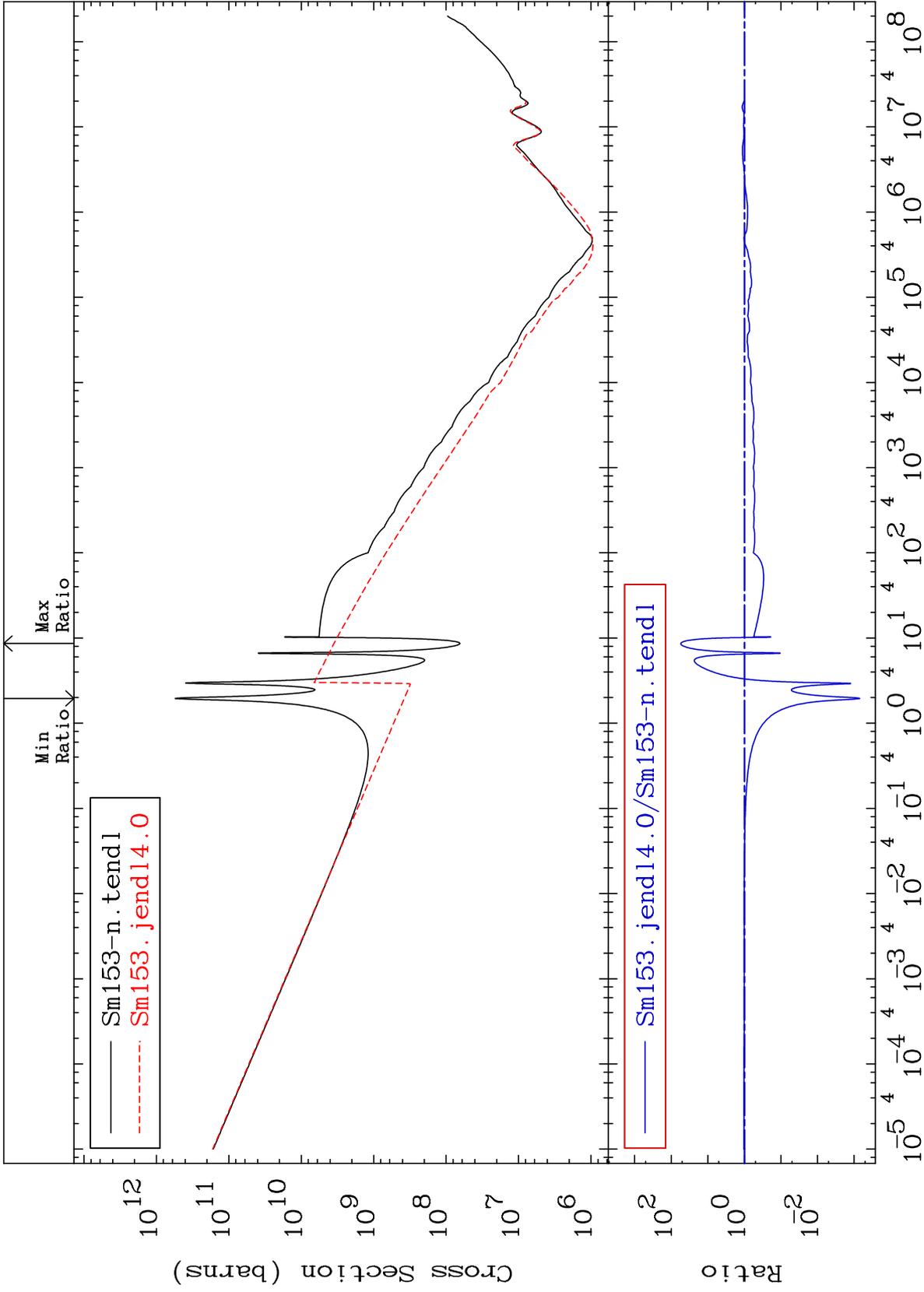
62-Sm-153
-99.93 To 5384. %



58

Incident Energy (eV)

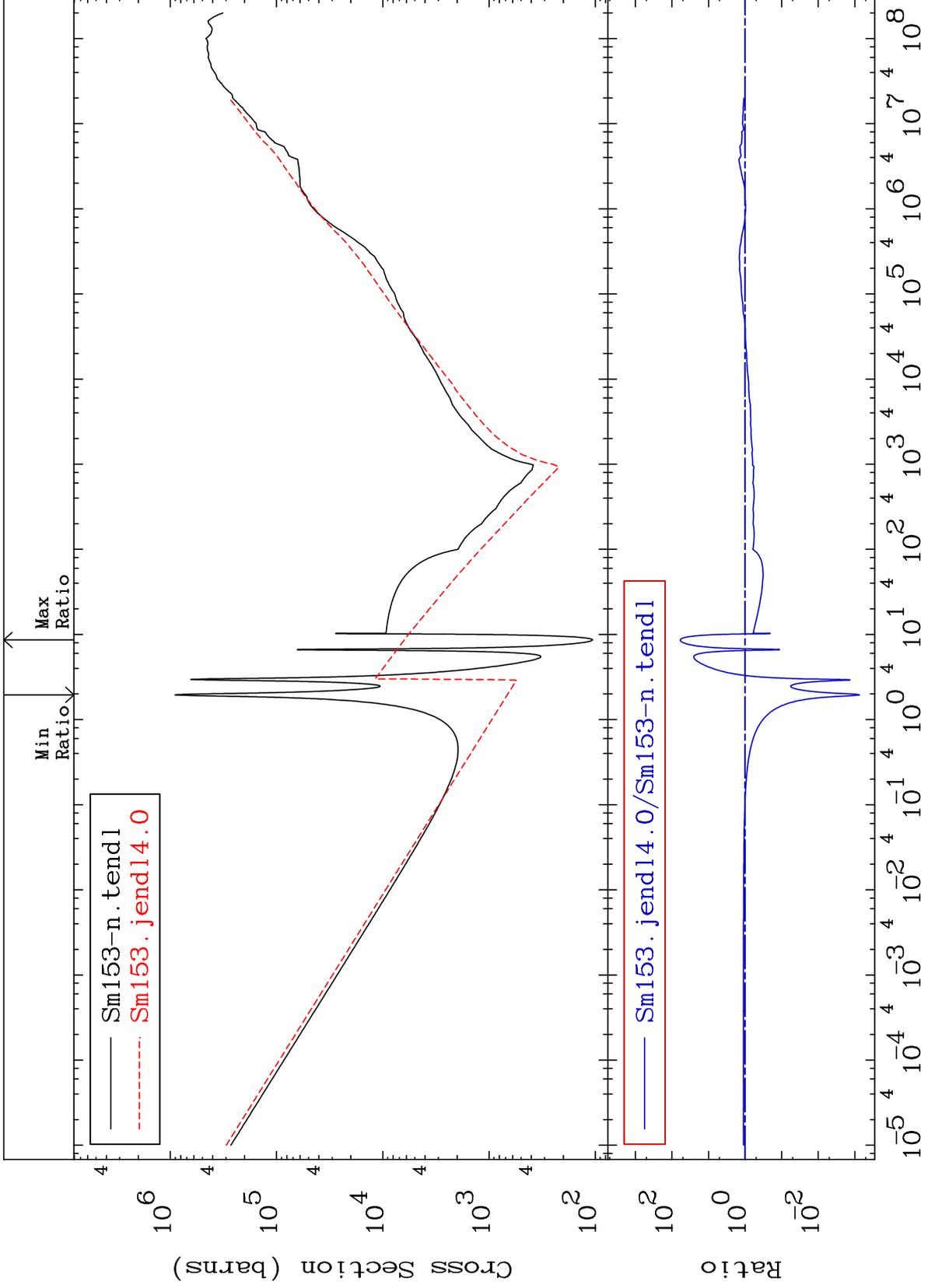
62-Sm-153



MAT 6252

Dpa total (eV-barns)
Cross Section

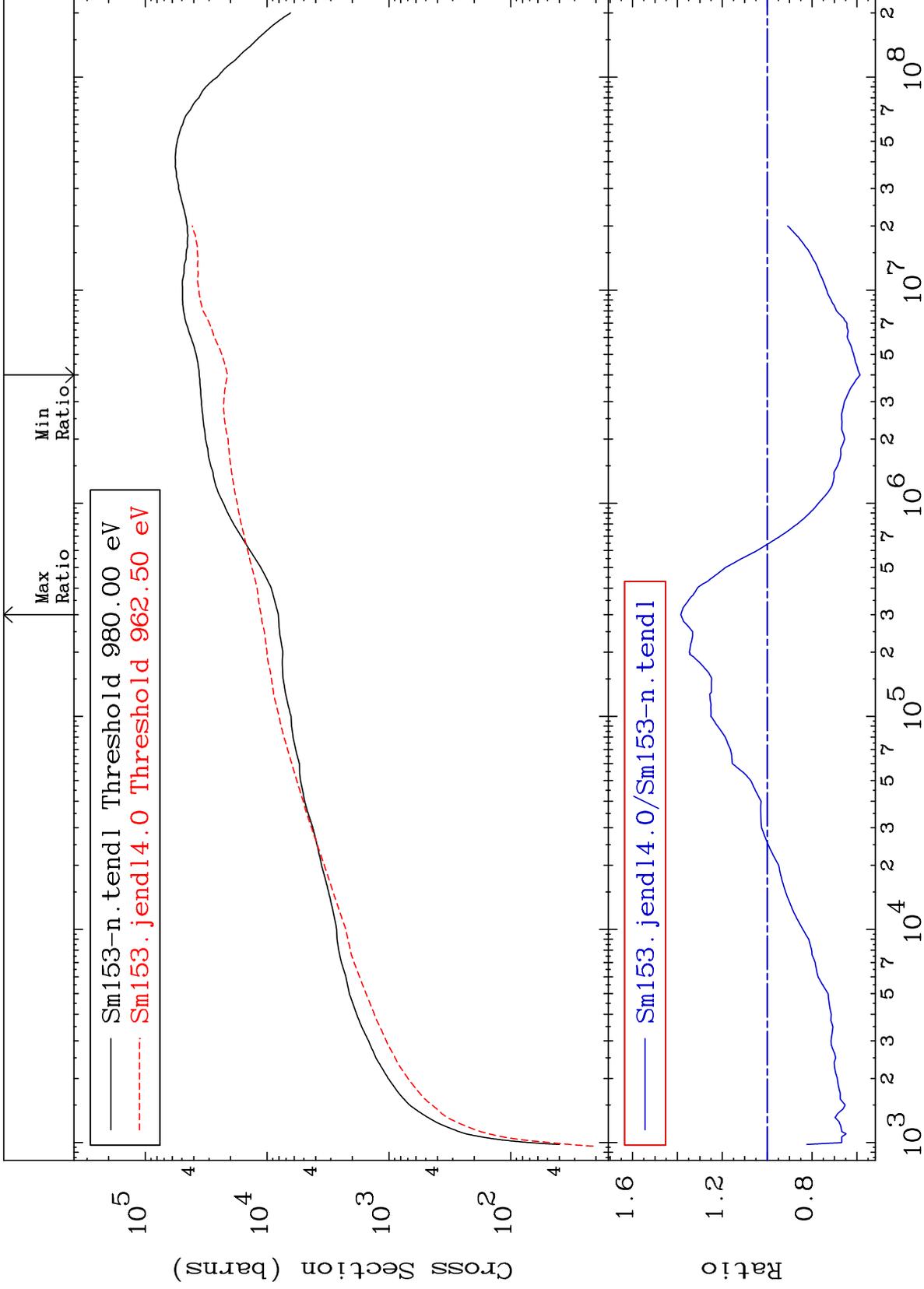
62-Sm-153
-99.93 To 5818. %



MAT 6252

Dpa elastic (mt2)
Cross Section

62-Sm-153
-41.43 To 38.50 %



61

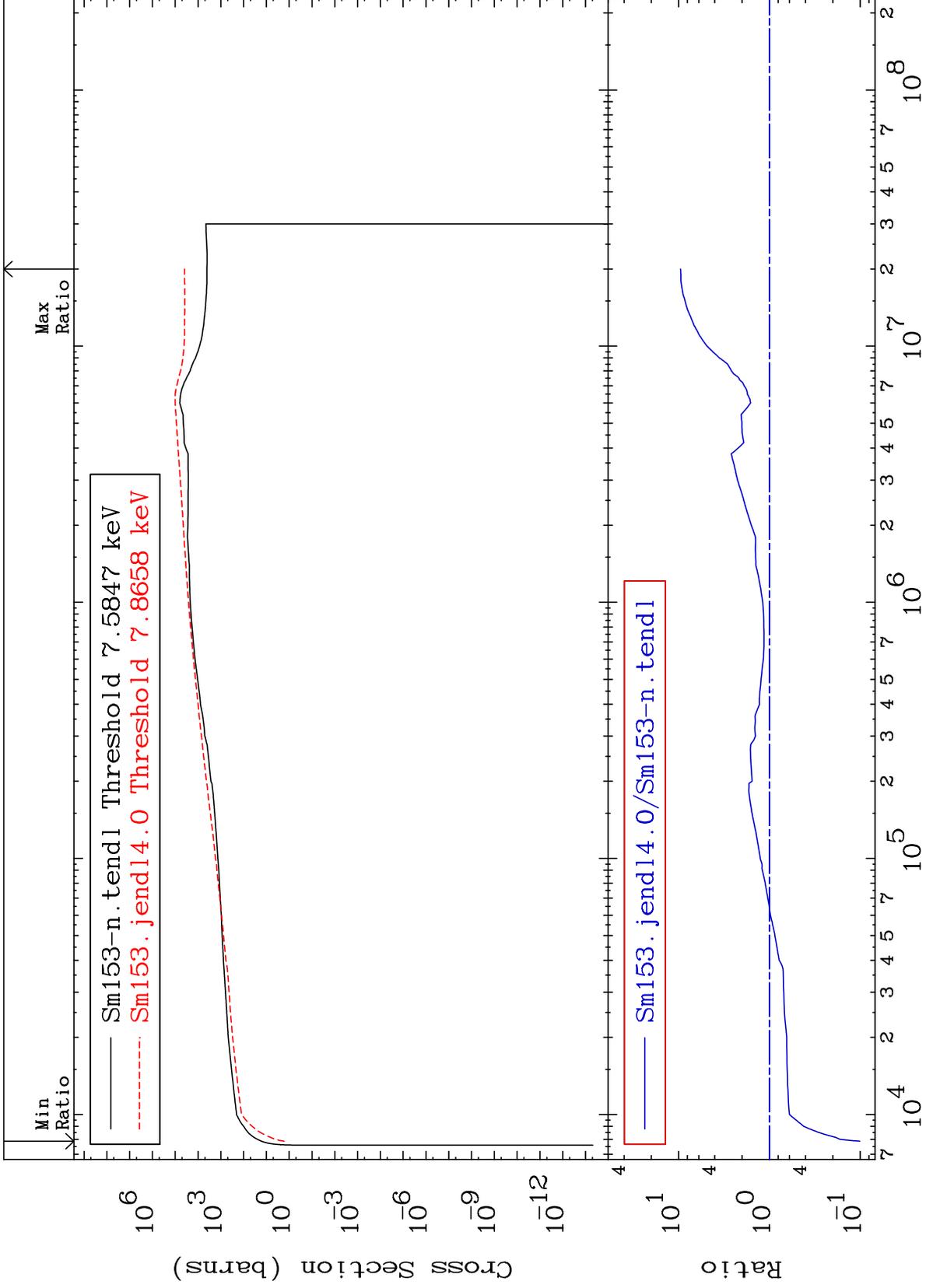
Incident Energy (eV)

62-Sm-153

MAT 6252

Dpa inelastic (mt51-91)
Cross Section

62-Sm-153
-89.91 To 853.7 %



62

Incident Energy (eV)

62-Sm-153

