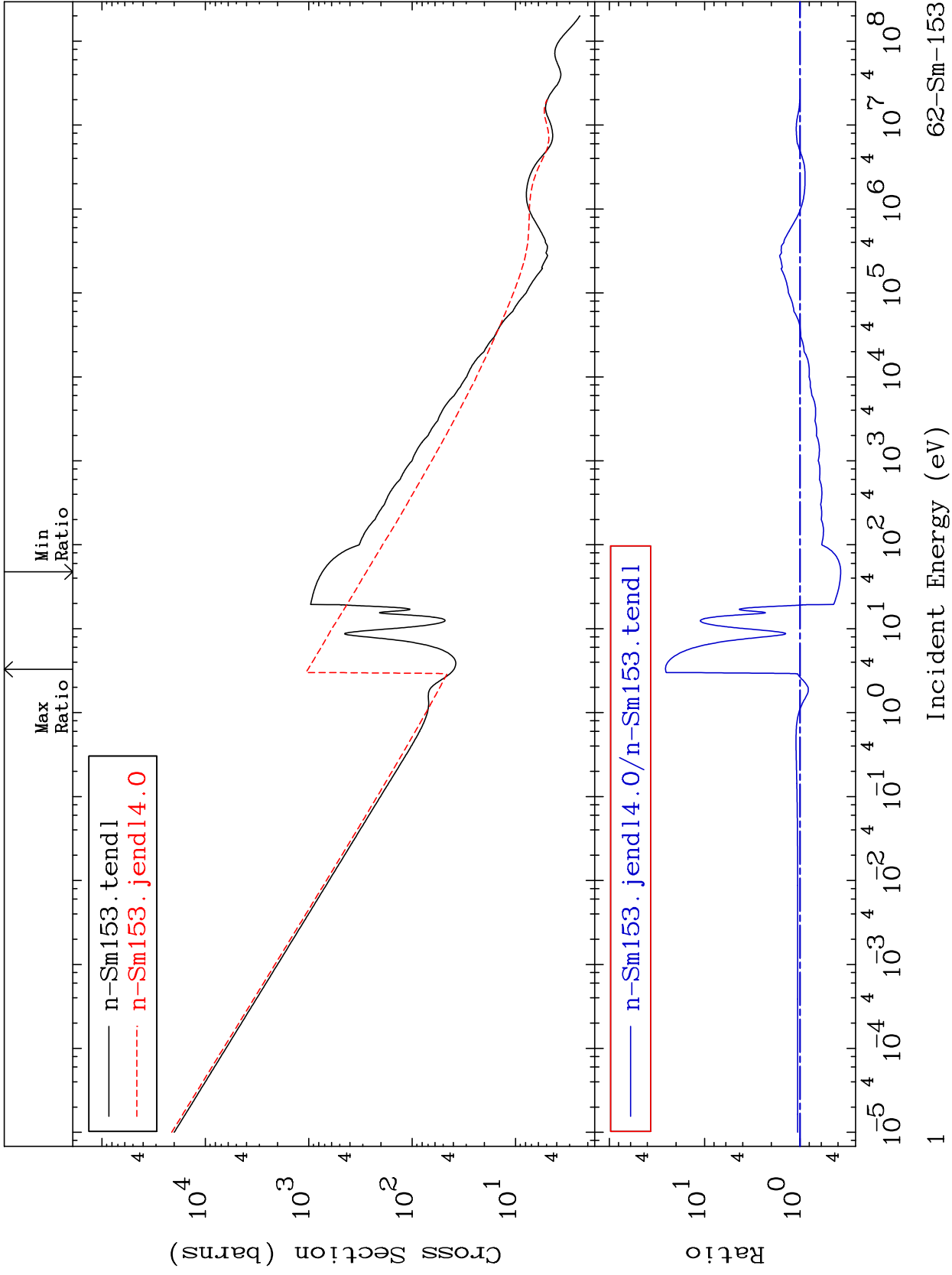


MAT 6252

Total
Cross Section

62-Sm-153
-62.44 To 2477. %

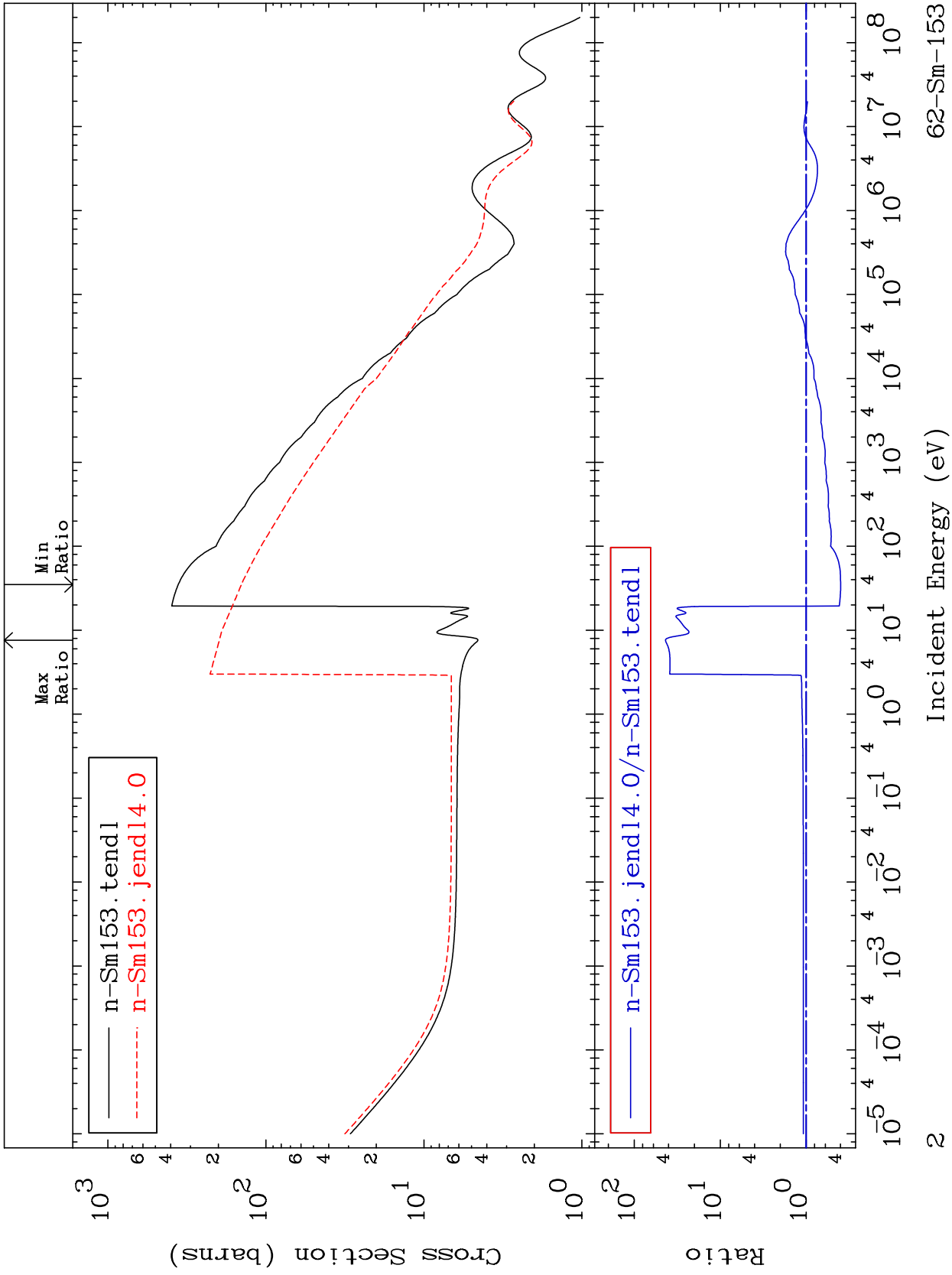


62-Sm-153

MAT 6252

62-Sm-153
-60.19 To 4233. %

Elastic
Cross Section



62-Sm-153

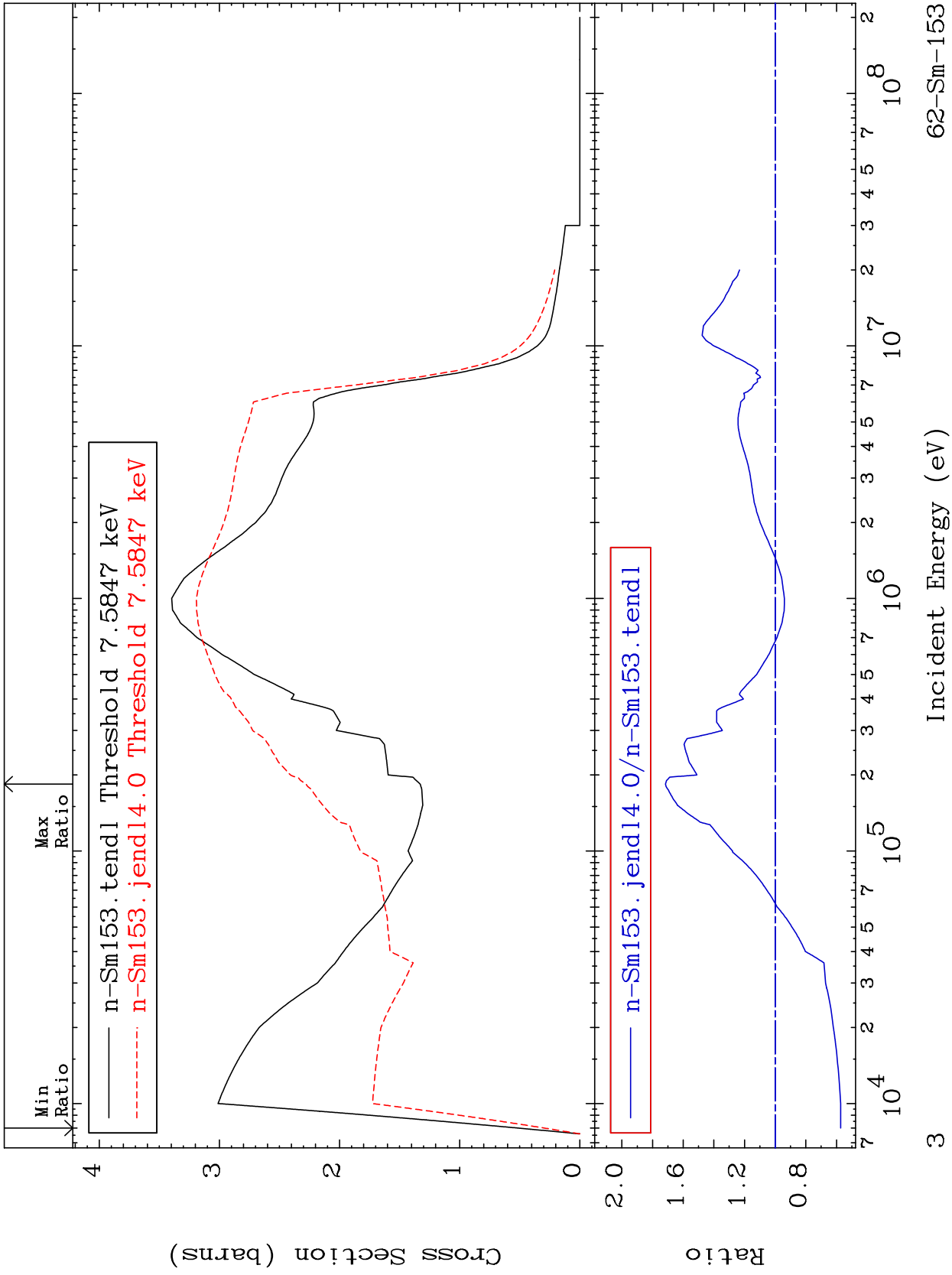
Incident Energy (eV)

2

MAT 6252

Inelastic
Cross Section

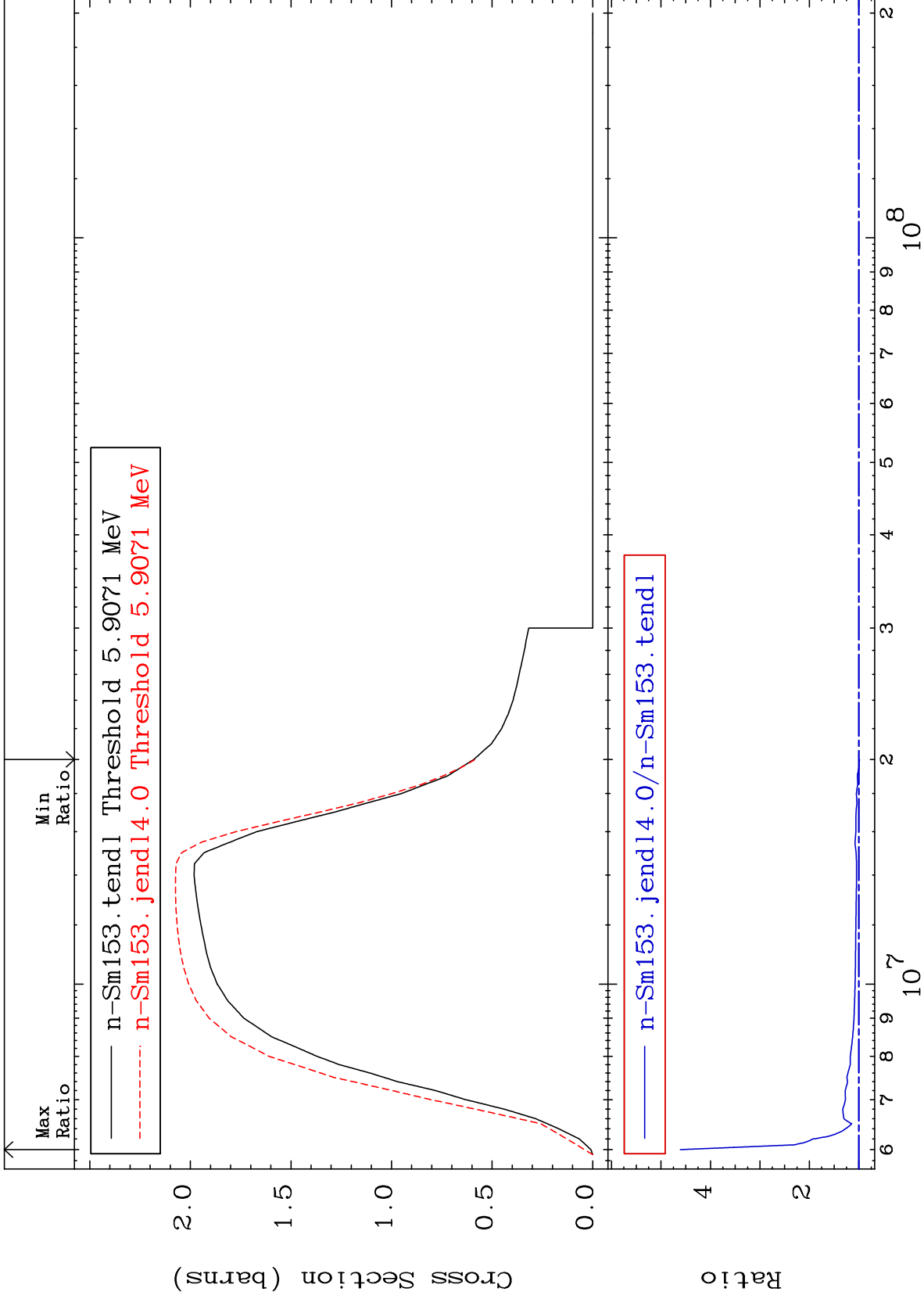
62-Sm-153
-42.72 To 71.55 %



MAT 6252

(n,2n)
Cross Section

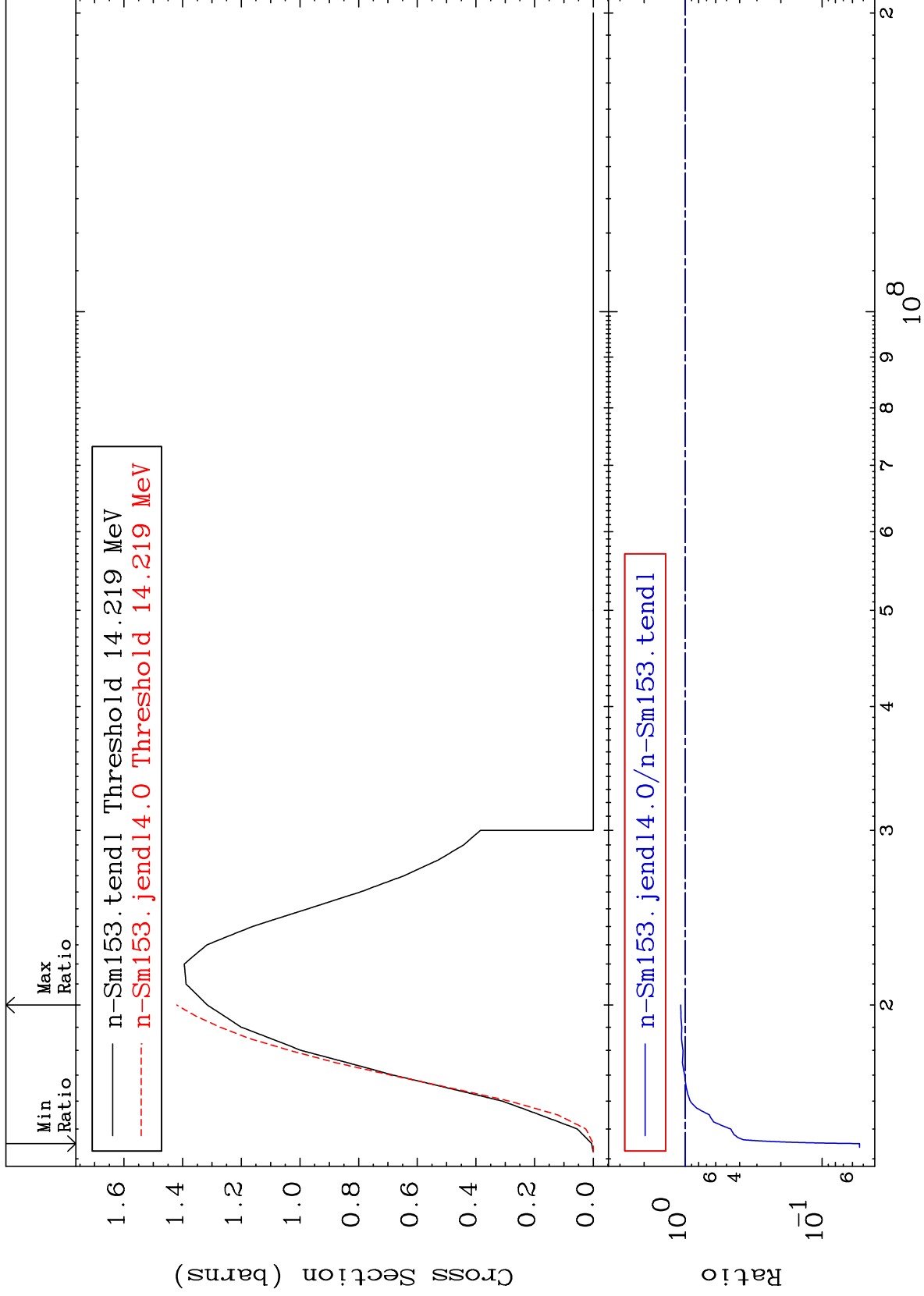
62-Sm-153
-1.141 To 360.9 %



4

Incident Energy (eV)

62-Sm-153



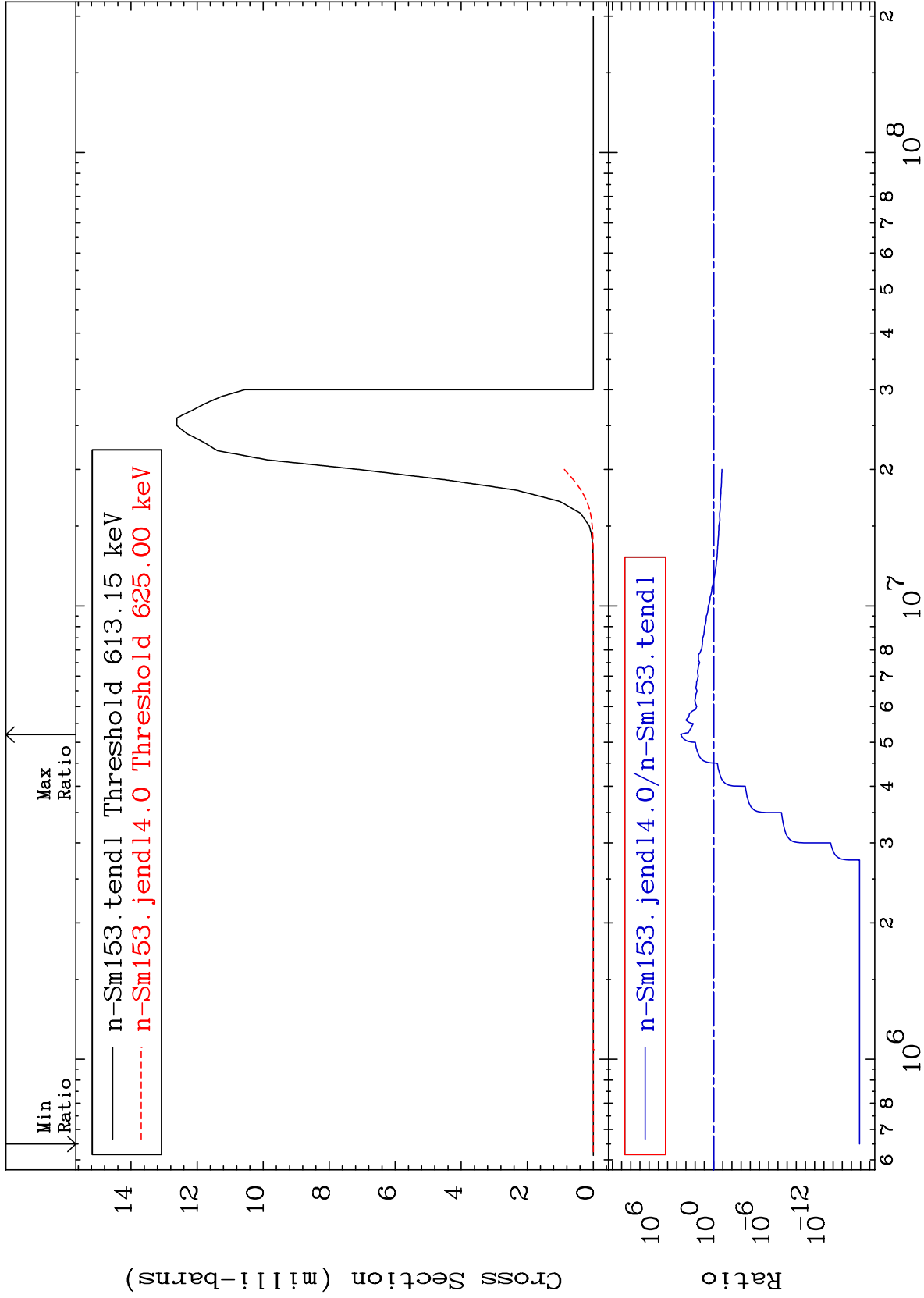
MAT 6252

62-Sm-153

(n,n') α

Cross Section

-100.0 To 9999. %



6

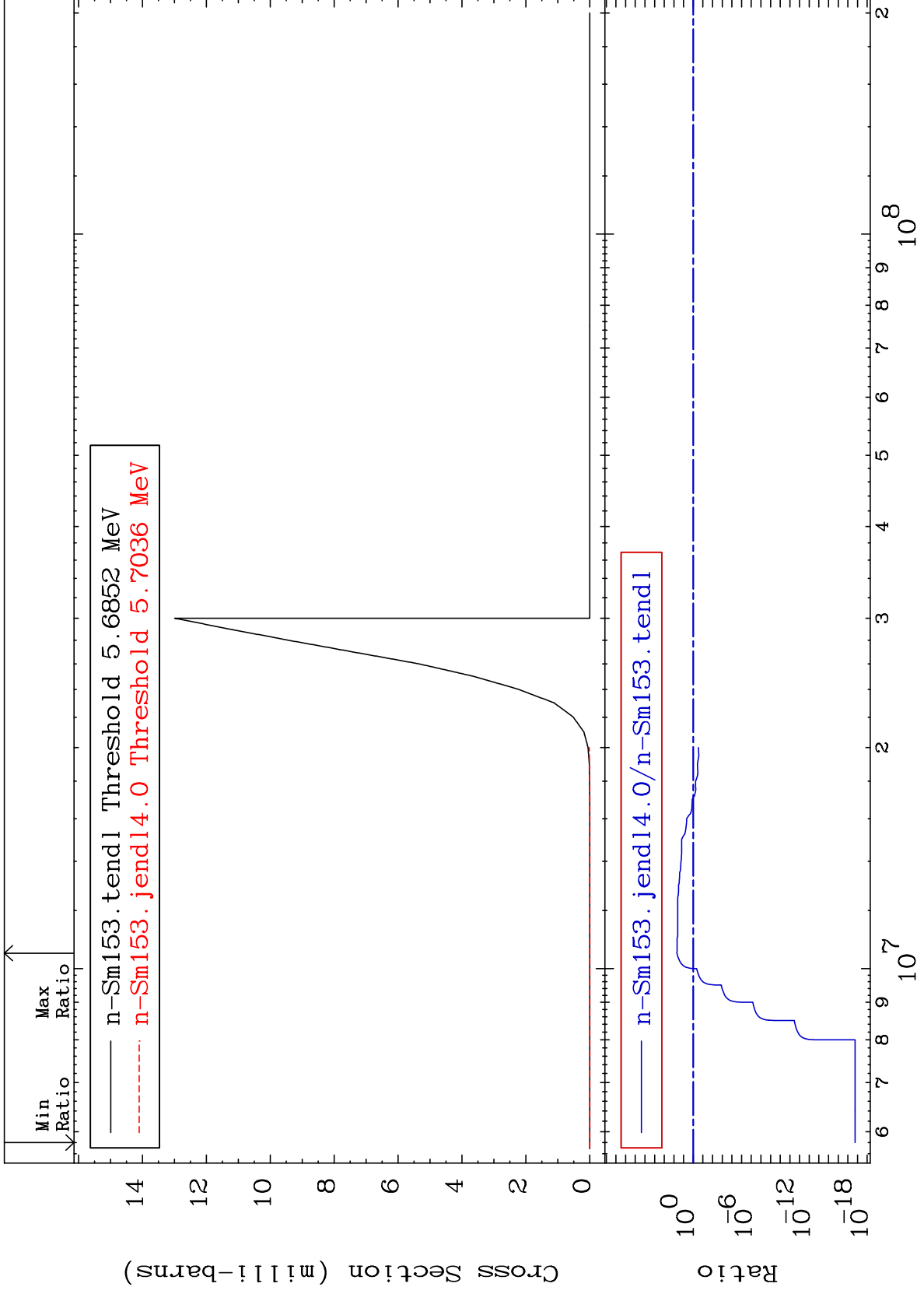
62-Sm-153

62-Sm-153

MAT 6252

(n,2n) α
Cross Section

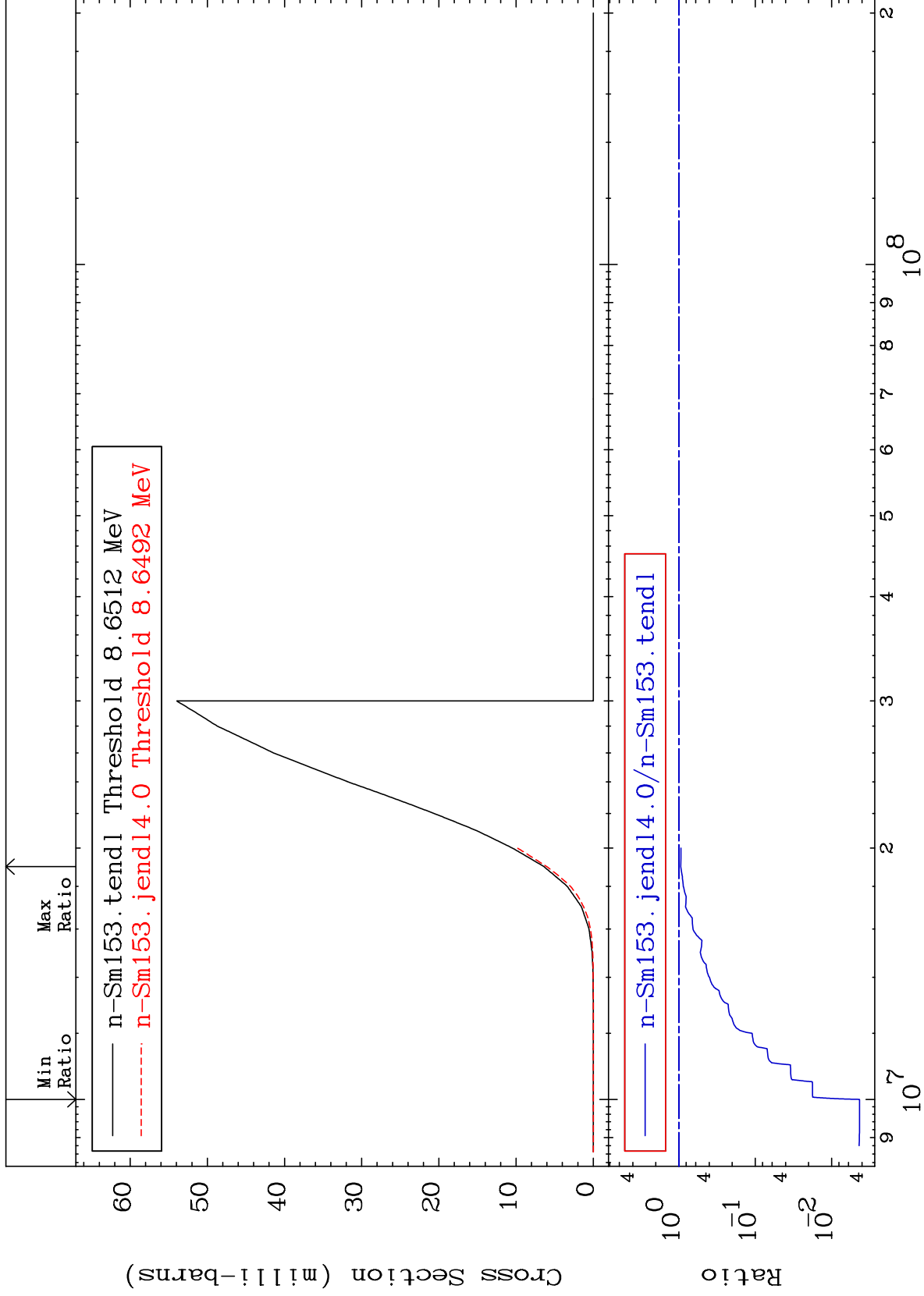
62-Sm-153
-100.0 To 4773. %



MAT 6252

(n,n') p
Cross Section

62-Sm-153
-99.57 To -5.876%



8

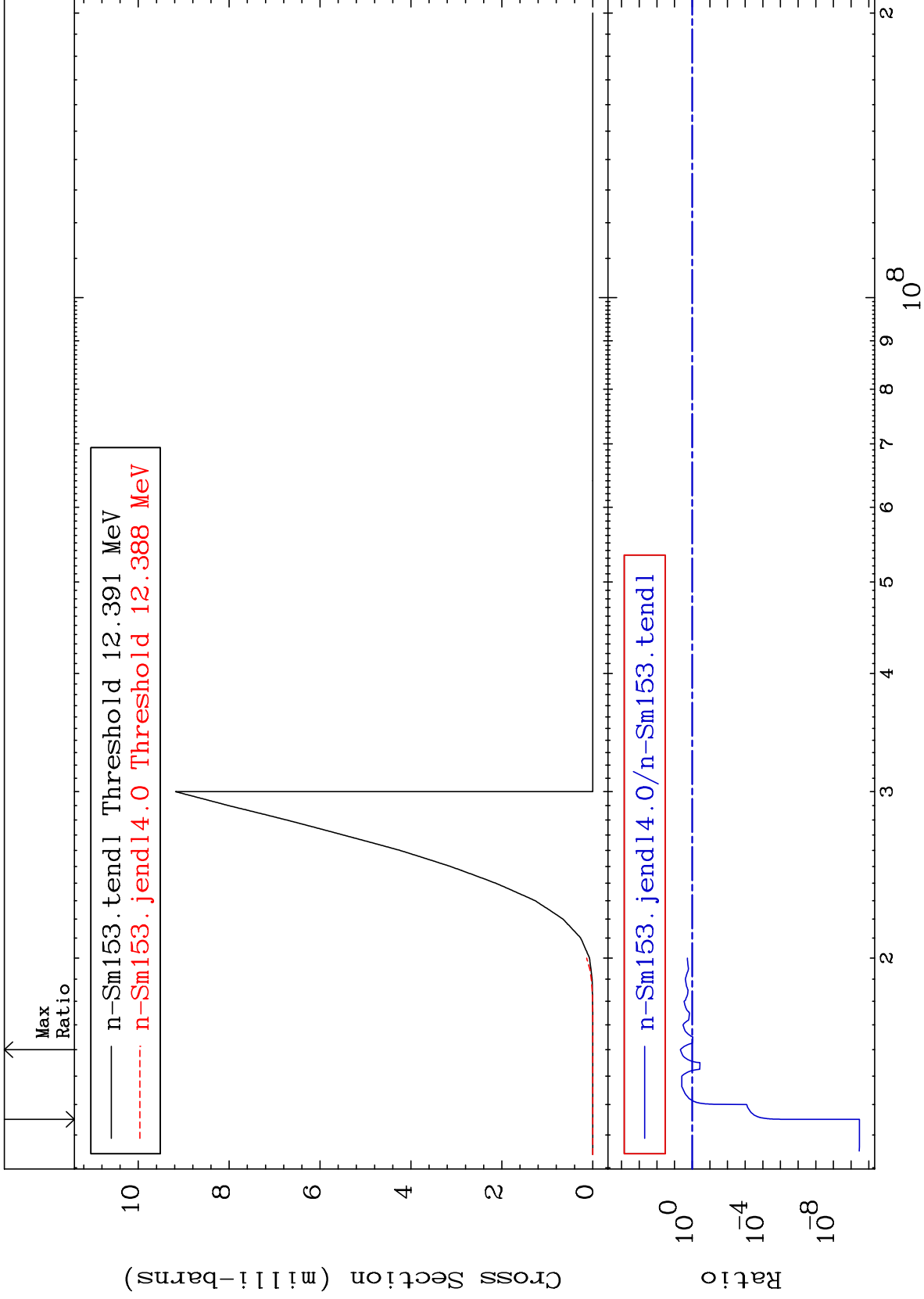
Incident Energy (eV)

62-Sm-153

MAT 6252

(n,n') d
Cross Section

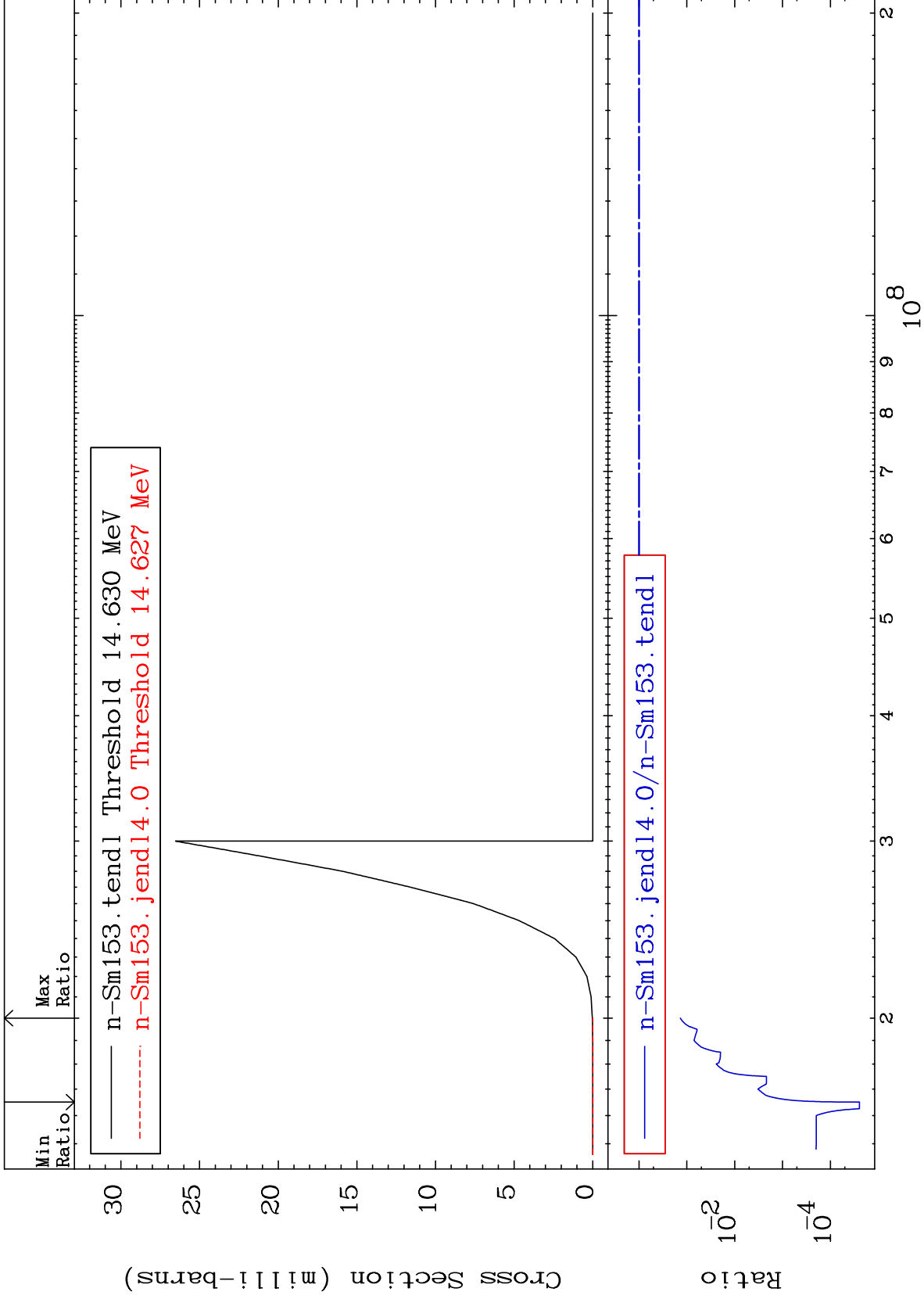
62-Sm-153
-100.0 To 367.4 %



MAT 6252

(n,2n) p
Cross Section

62-Sm-153
-100.0 To -86.31%



10

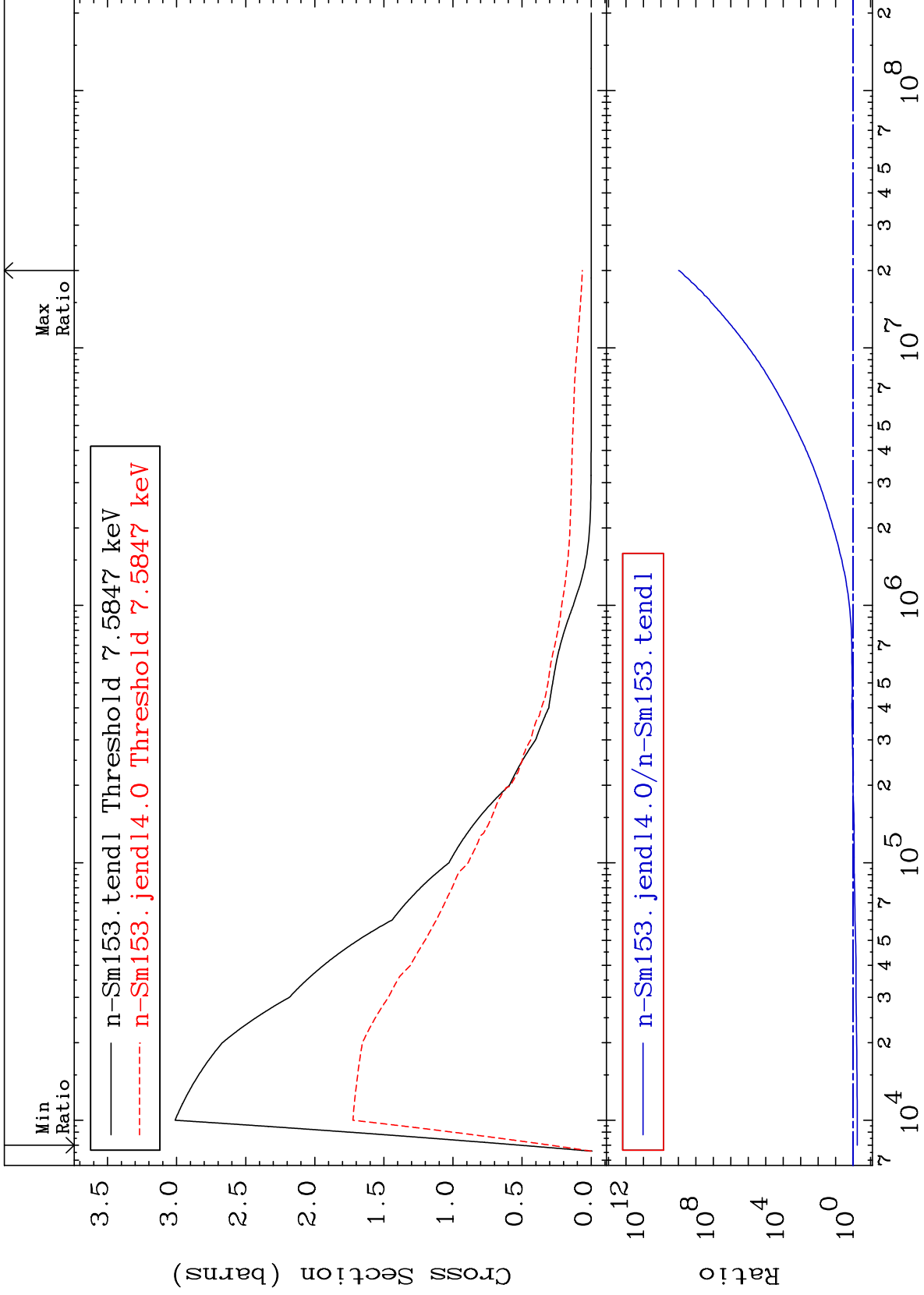
Incident Energy (eV)

62-Sm-153

MAT 6252

MT= 51 (n,n') Level
Cross Section

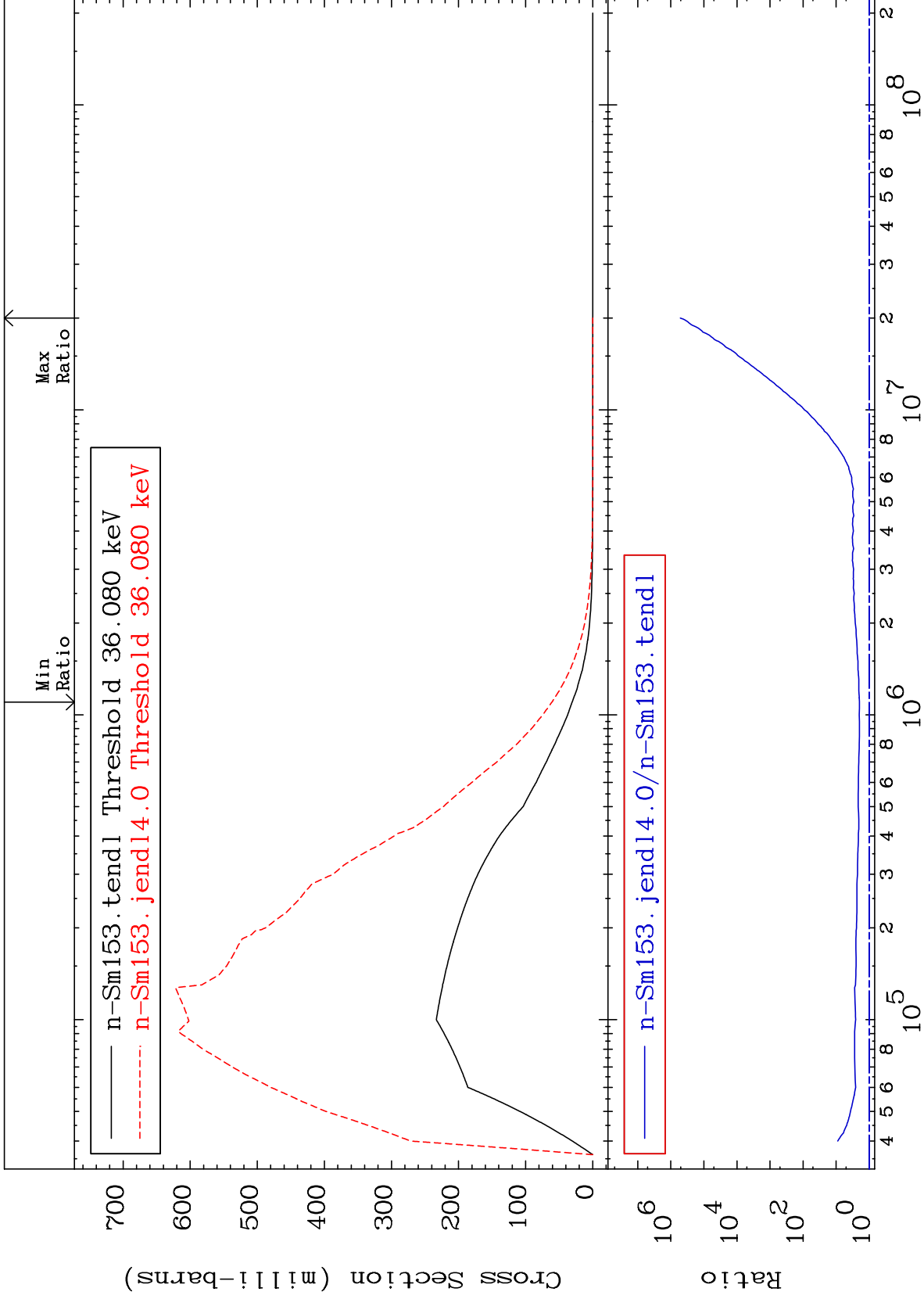
62-Sm-153
-42.72 To 9999. %



MAT 6252

MT= 52 (n,n') Level
Cross Section

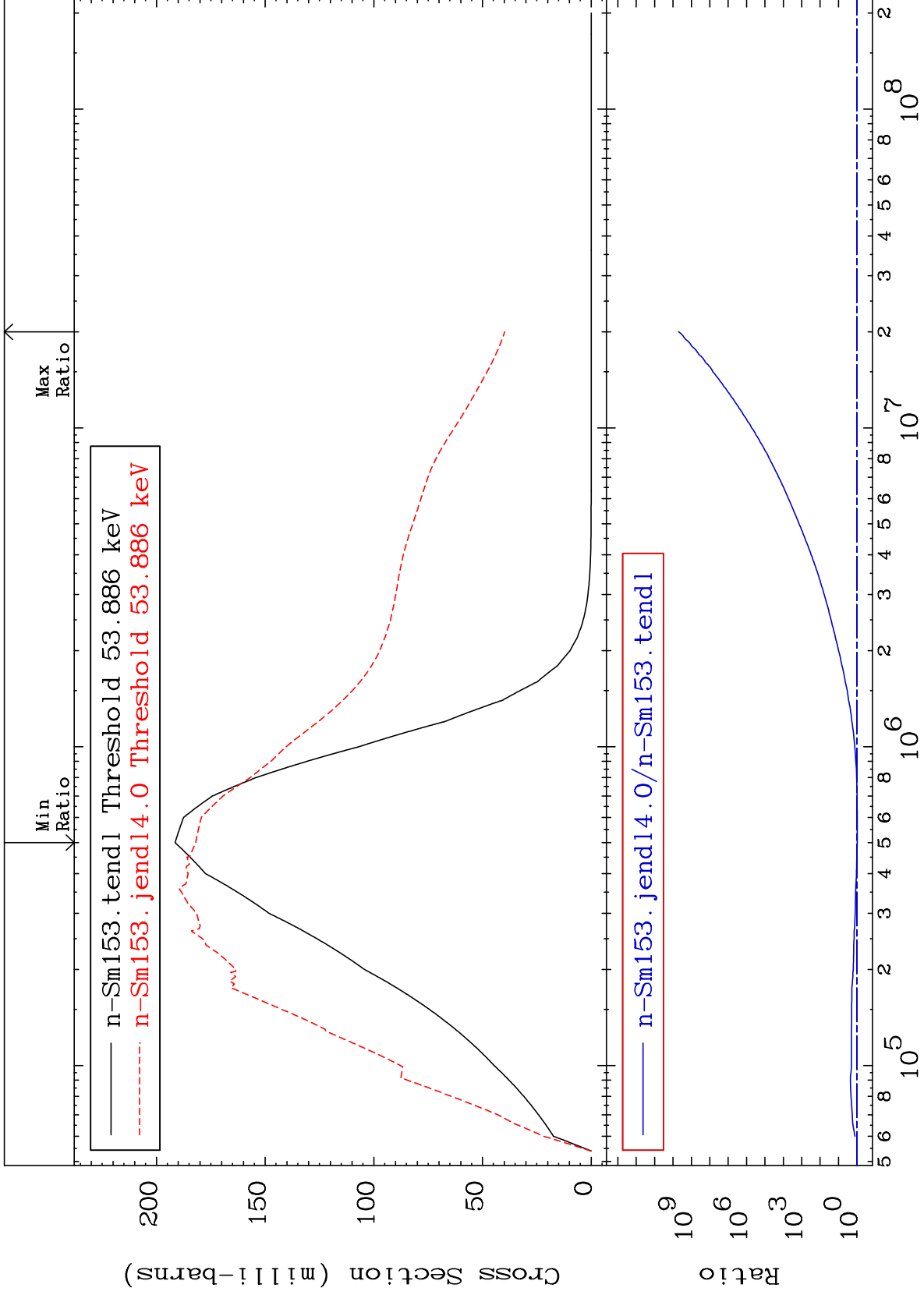
62-Sm-153
97.74 To 9999. %



MAT 6252

MT= 53 (n, n') Level
Cross Section

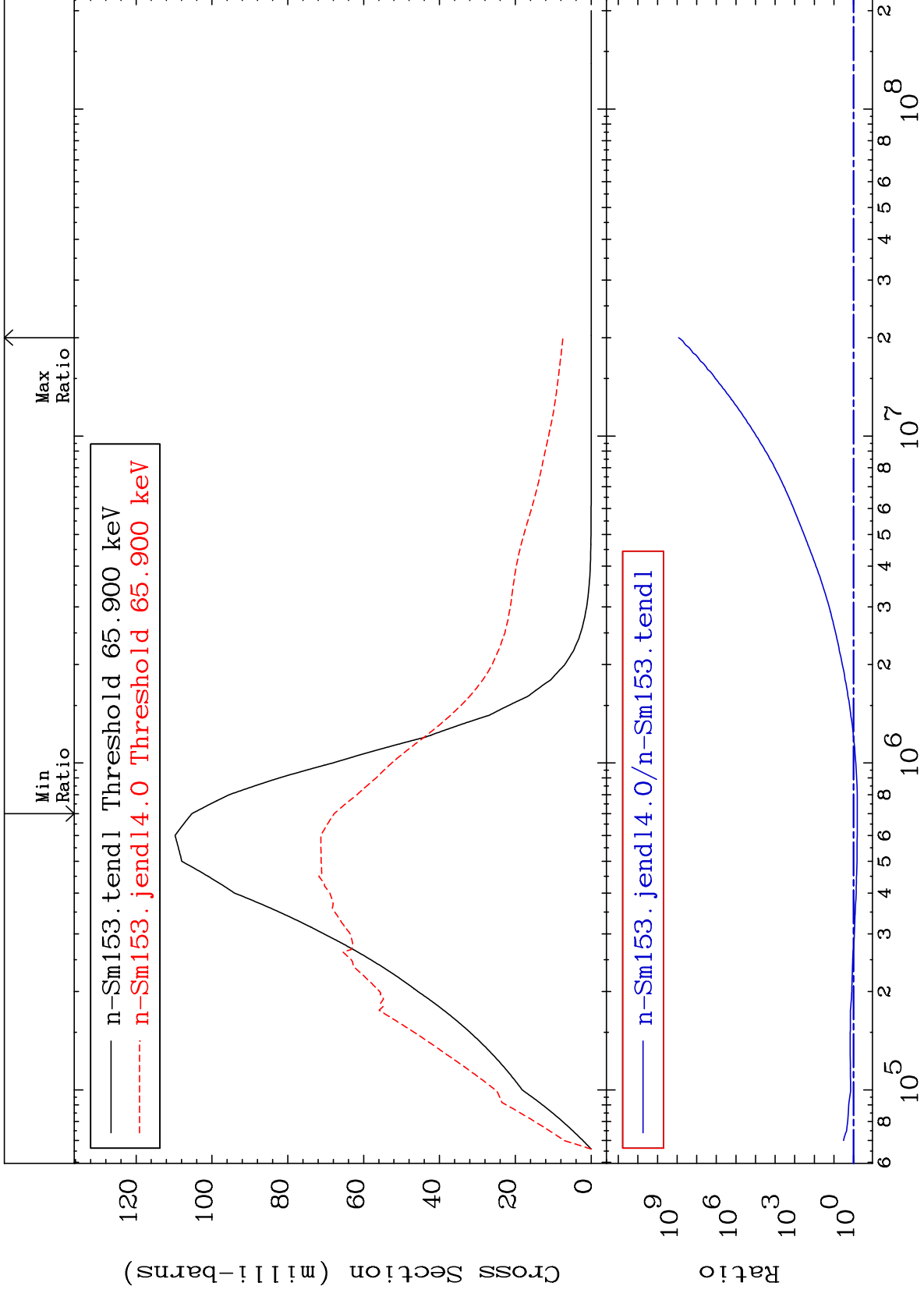
62-Sm-153
-4.943 To 9999. %



MAT 6252

MT= 54 (n,n') Level
Cross Section

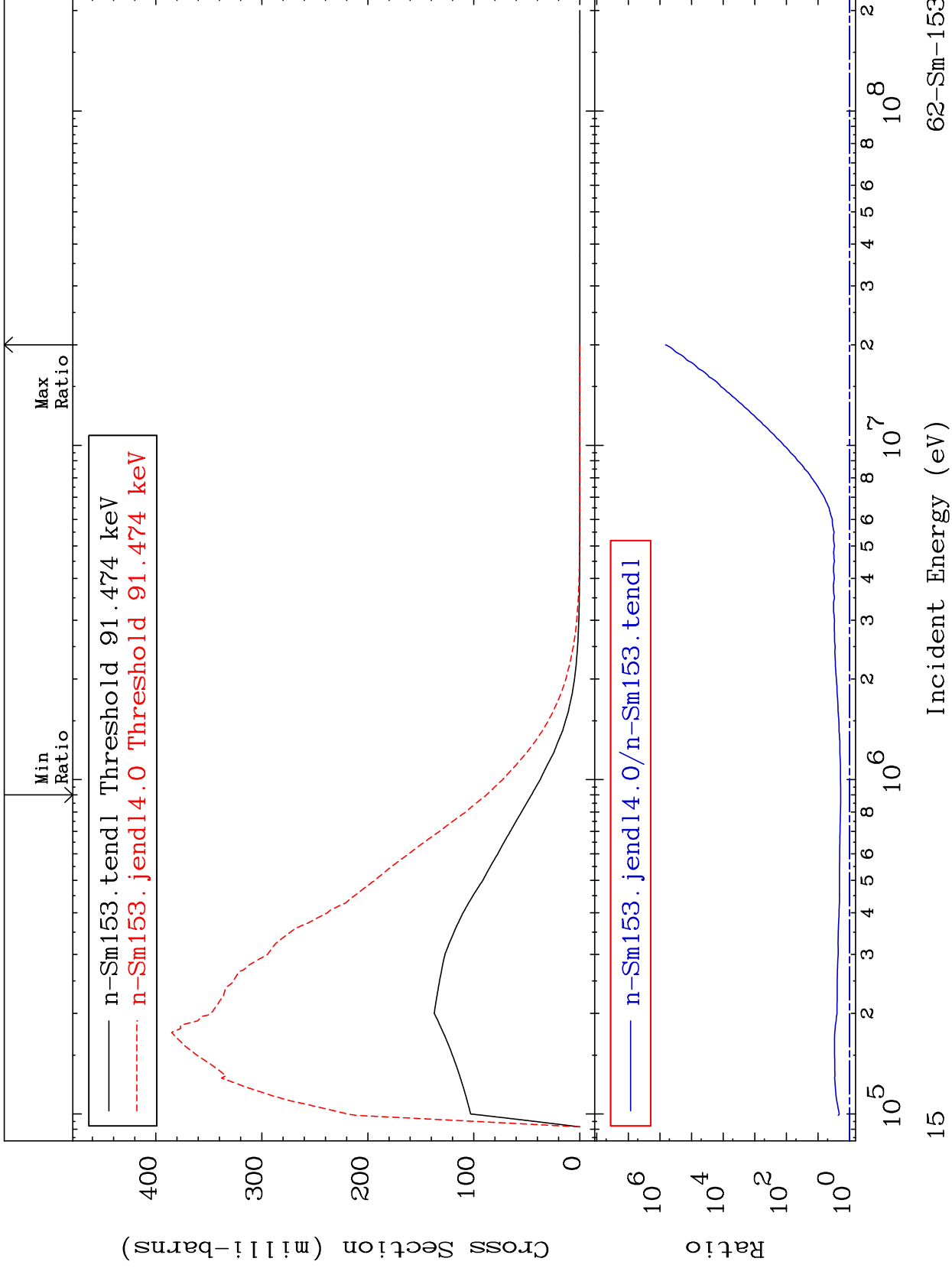
62-Sm-153
-35.62 To 9999. %



MAT 6252

MT= 55 (n,n') Level
Cross Section

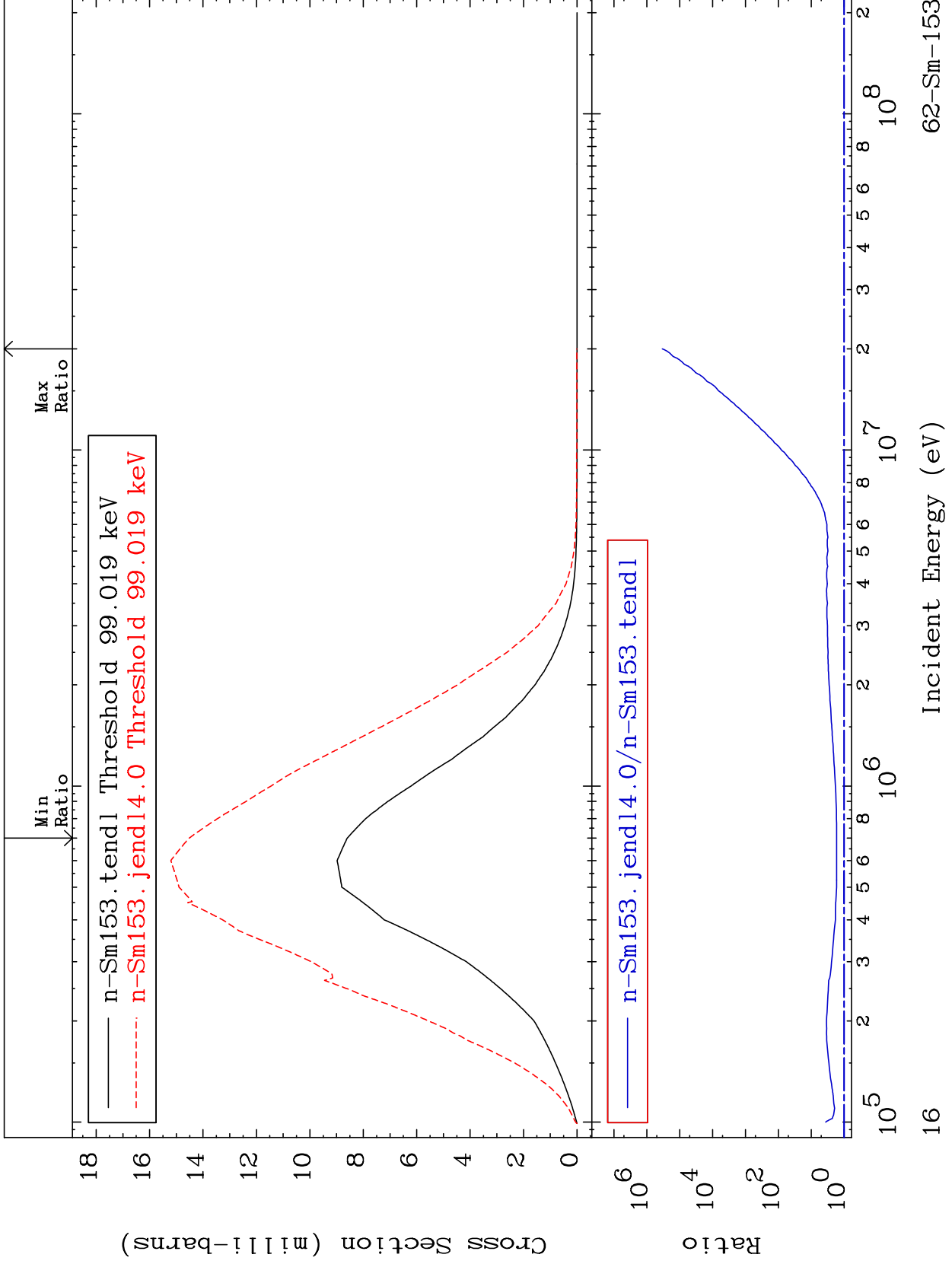
62-Sm-153
93.27 To 9999. %



MAT 6252

MT= 56 (n,n') Level
Cross Section

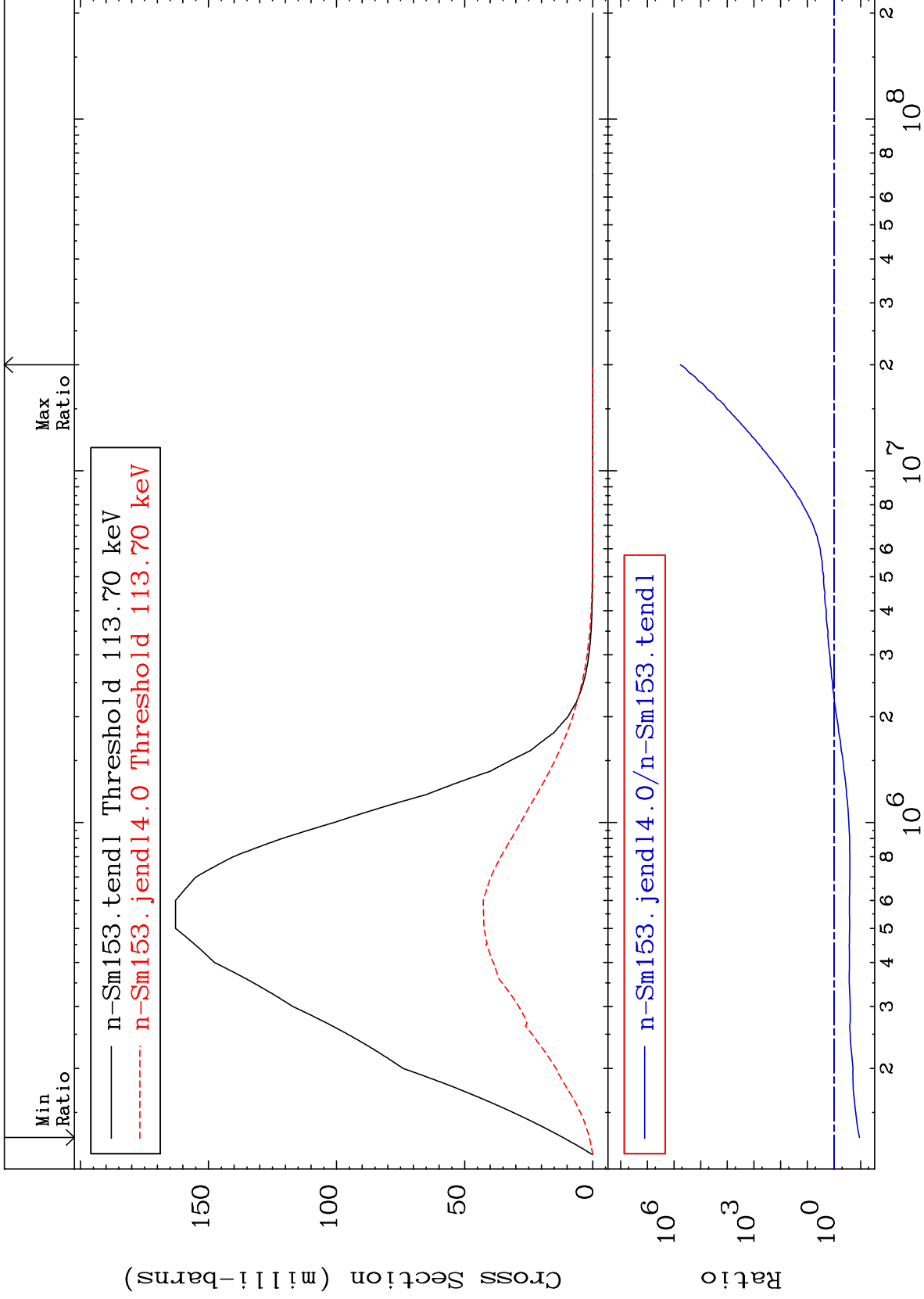
62-Sm-153
68.82 To 9999. %



MAT 6252

MT= 57 (n, n') Level
Cross Section

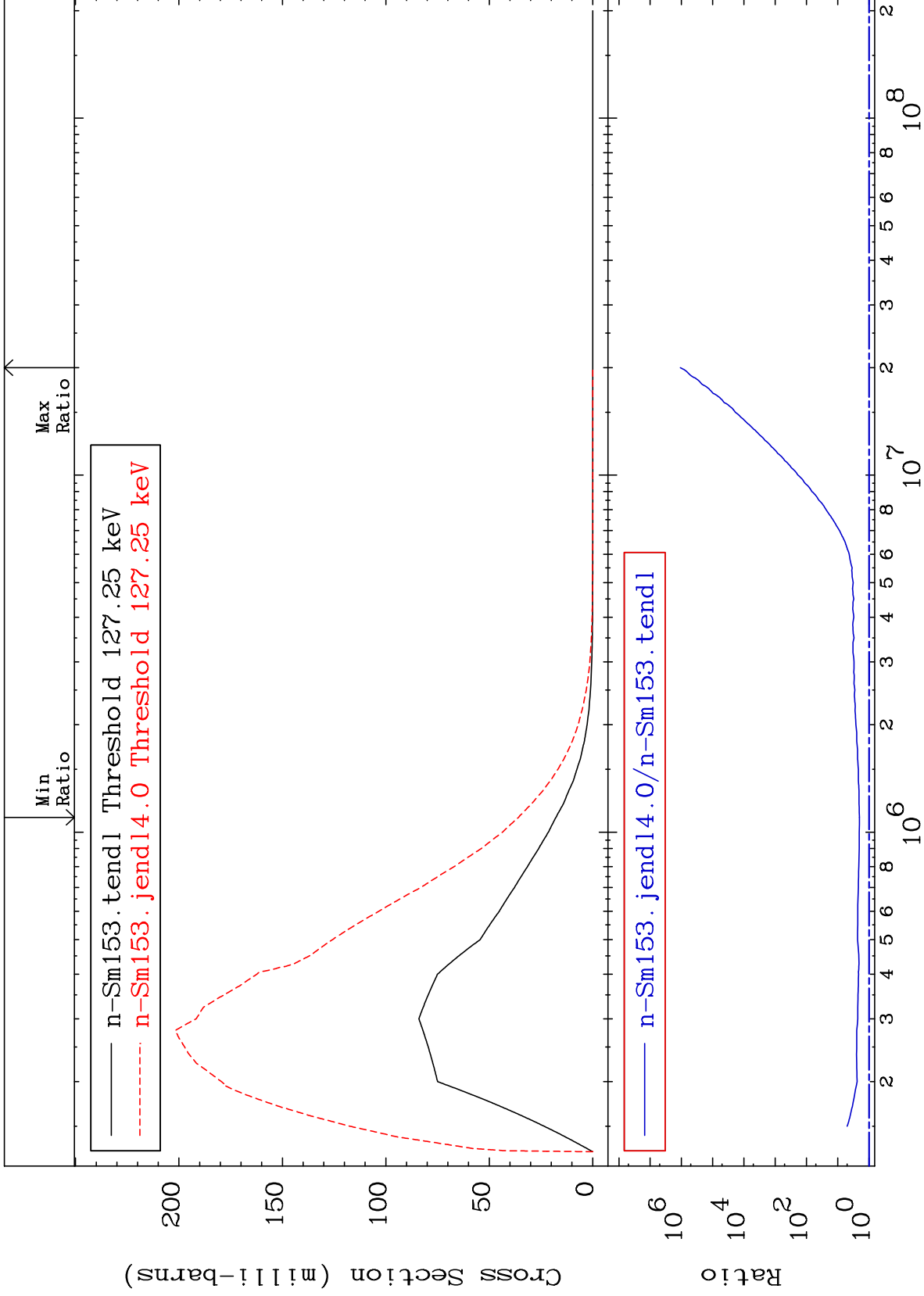
62-Sm-153
-88.88 To 9999. %



MAT 6252

MT= 58 (n,n') Level
Cross Section

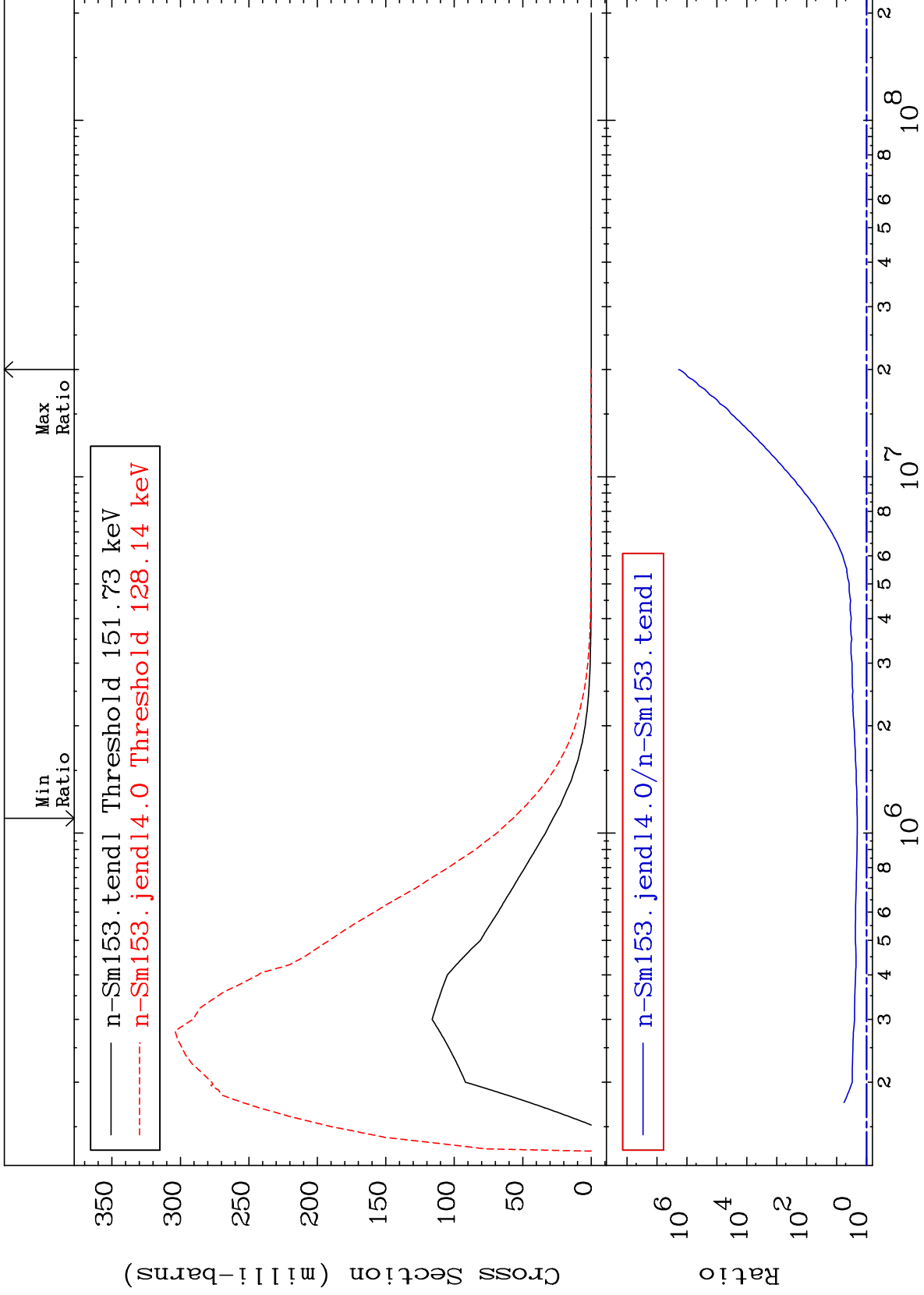
62-Sm-153
101.9 To 9999. %



MAT 6252

MT= 59 (n,n') Level
Cross Section

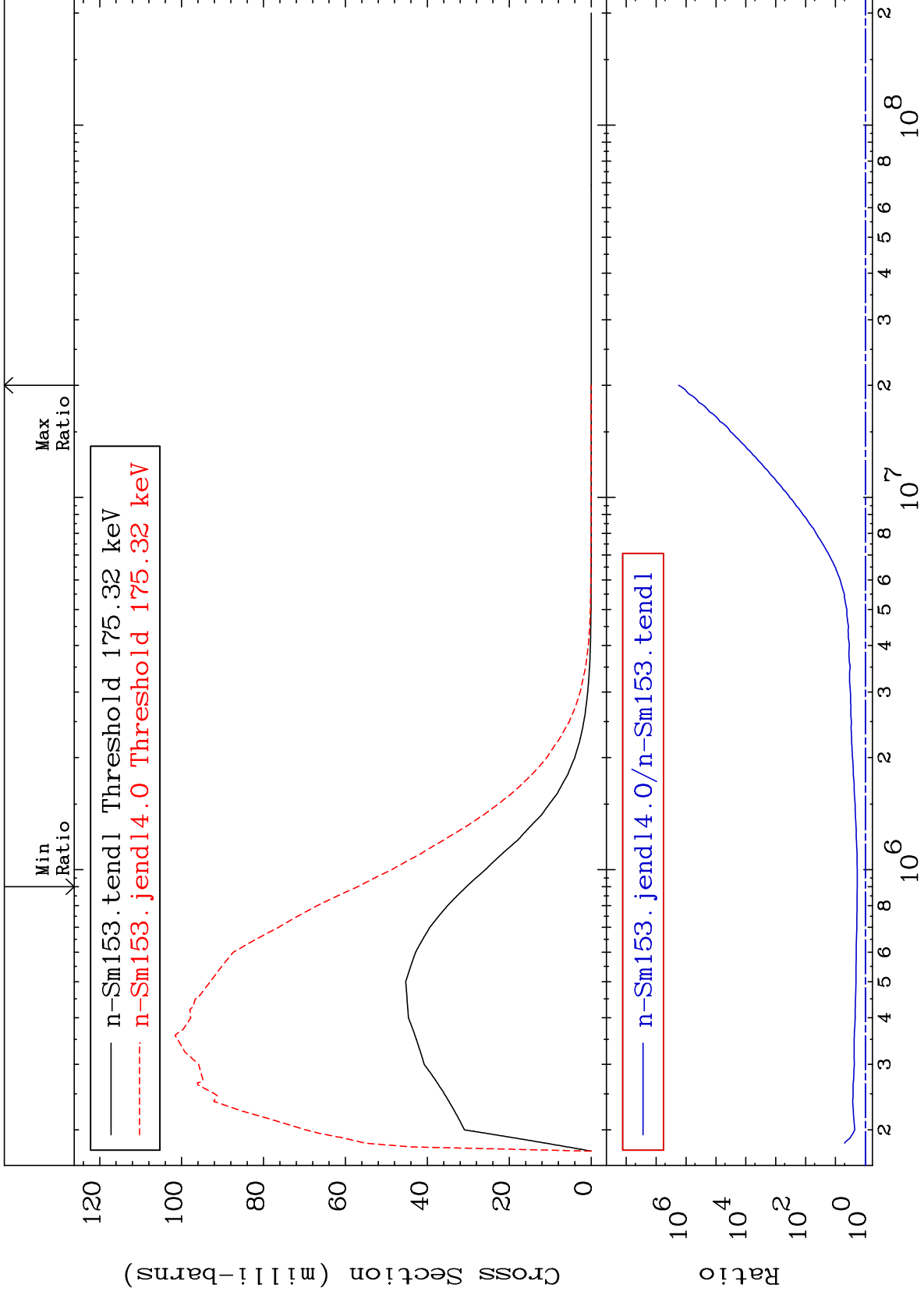
62-Sm-153
104.8 To 9999. %



MAT 6252

MT= 60 (n,n') Level
Cross Section

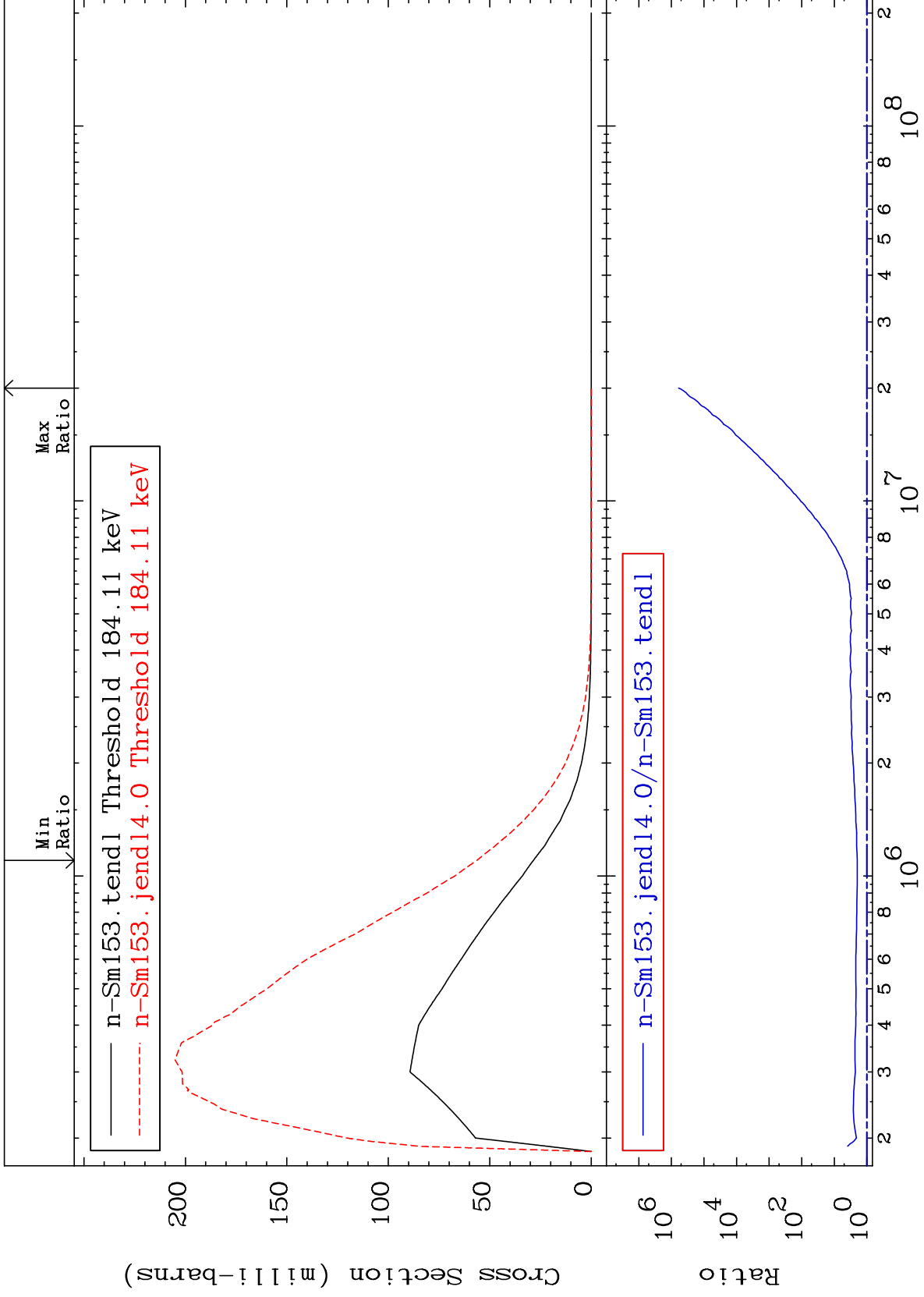
62-Sm-153
87.16 To 9999. %



MAT 6252

MT= 61 (n,n') Level
Cross Section

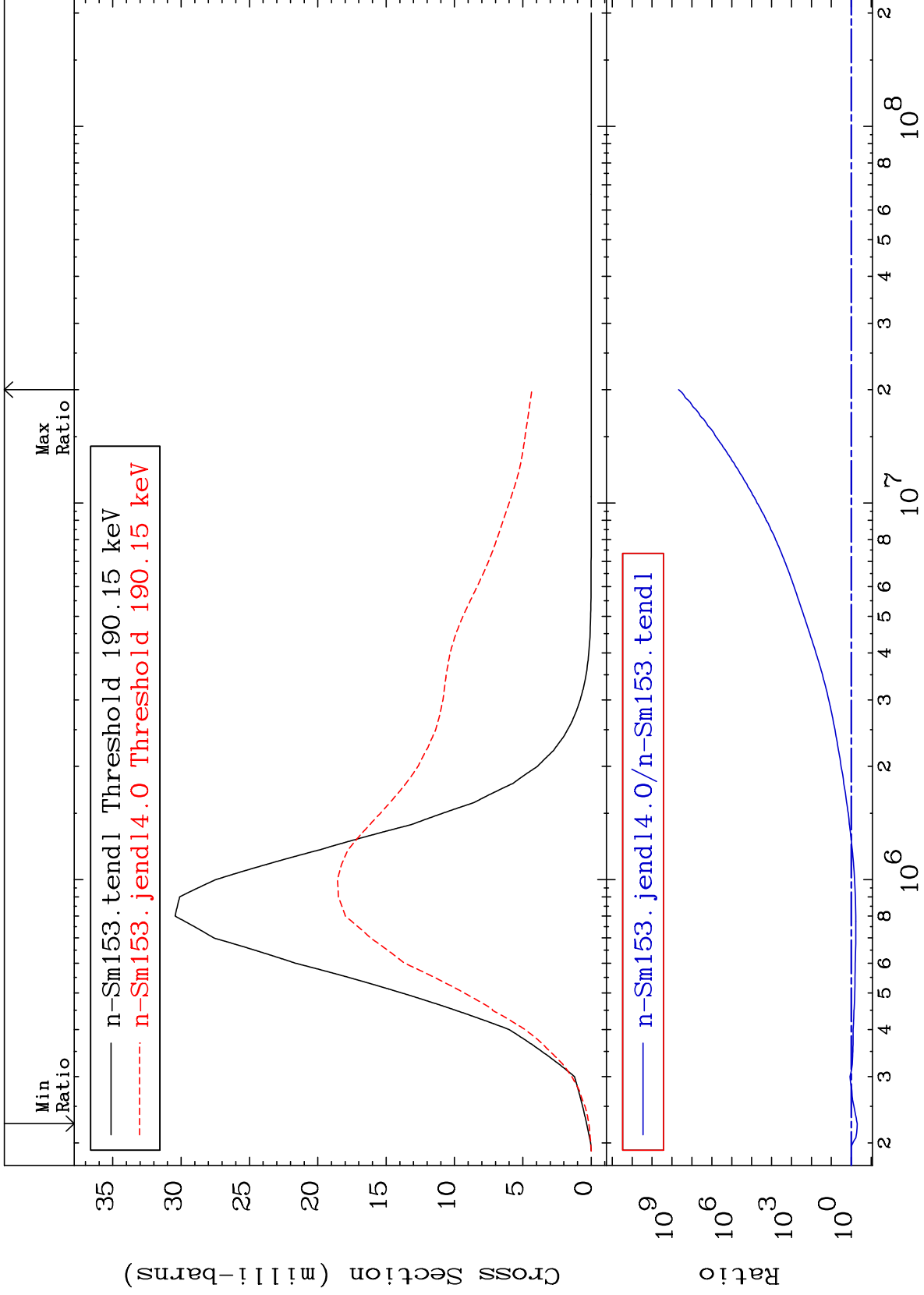
62-Sm-153
97.68 To 9999. %



MAT 6252

MT= 62 (n,n') Level
Cross Section

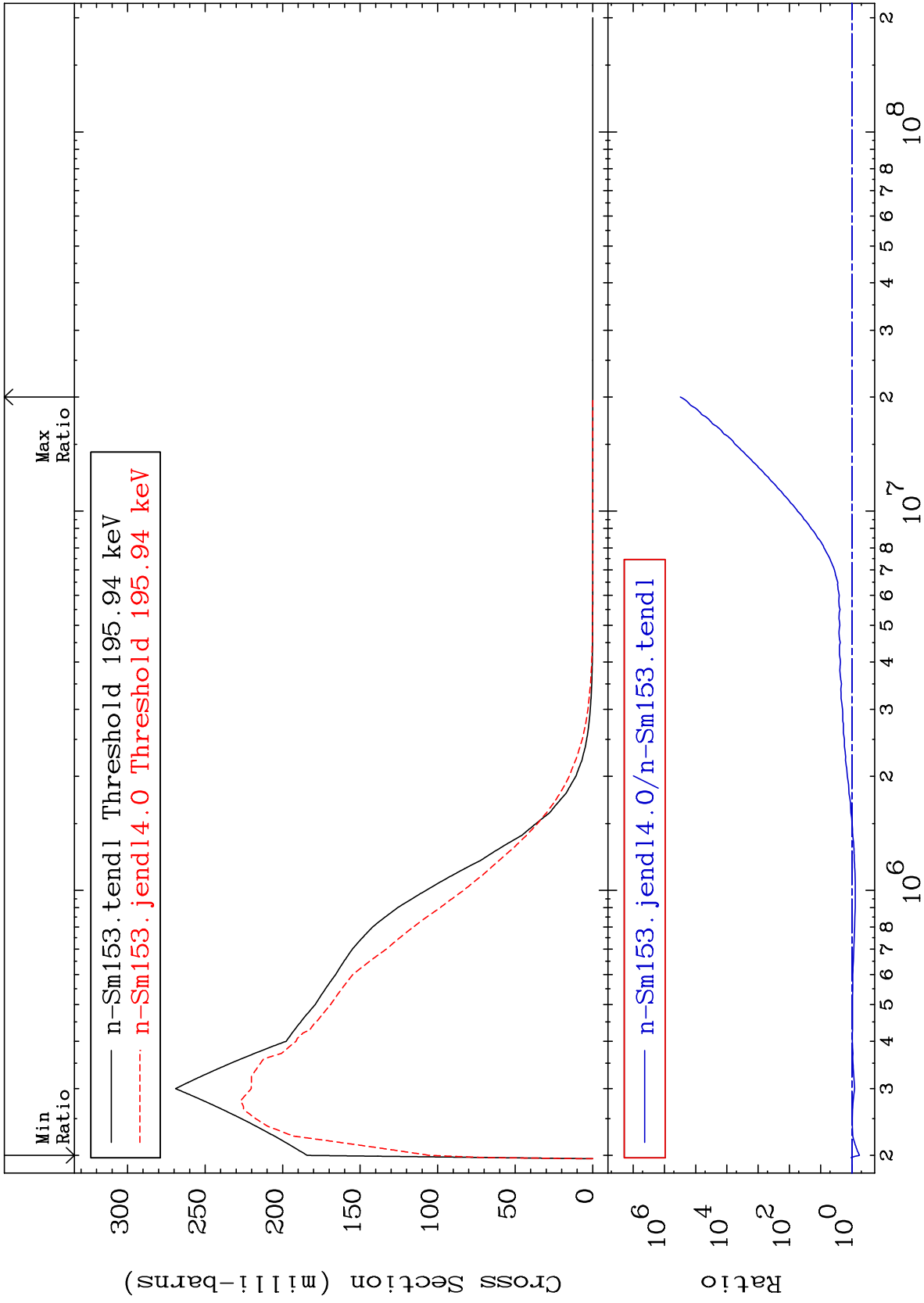
62-Sm-153
-50.12 To 9999. %

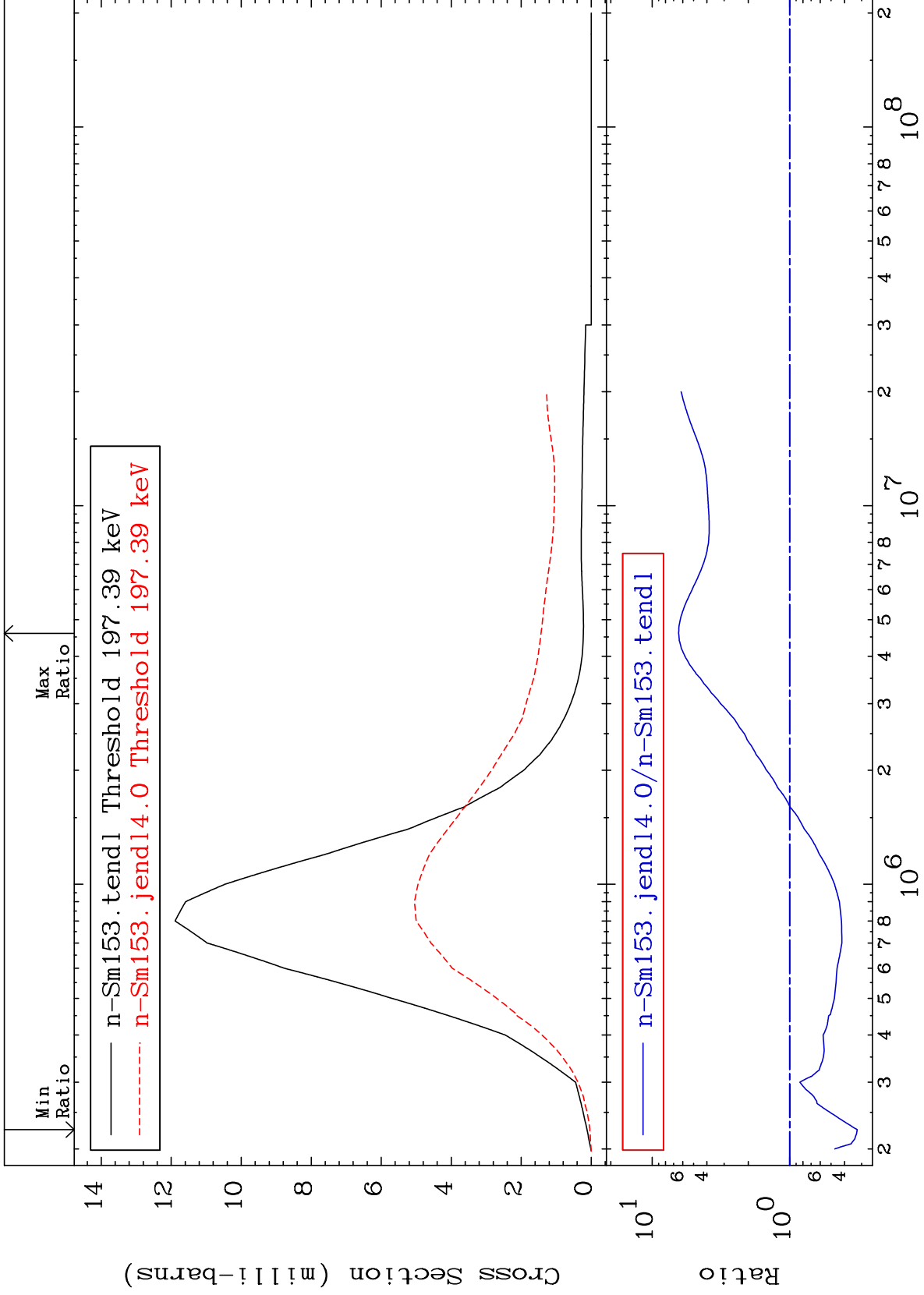


MAT 6252

MT= 63 (n,n') Level
Cross Section

62-Sm-153
-42.90 To 9999. %

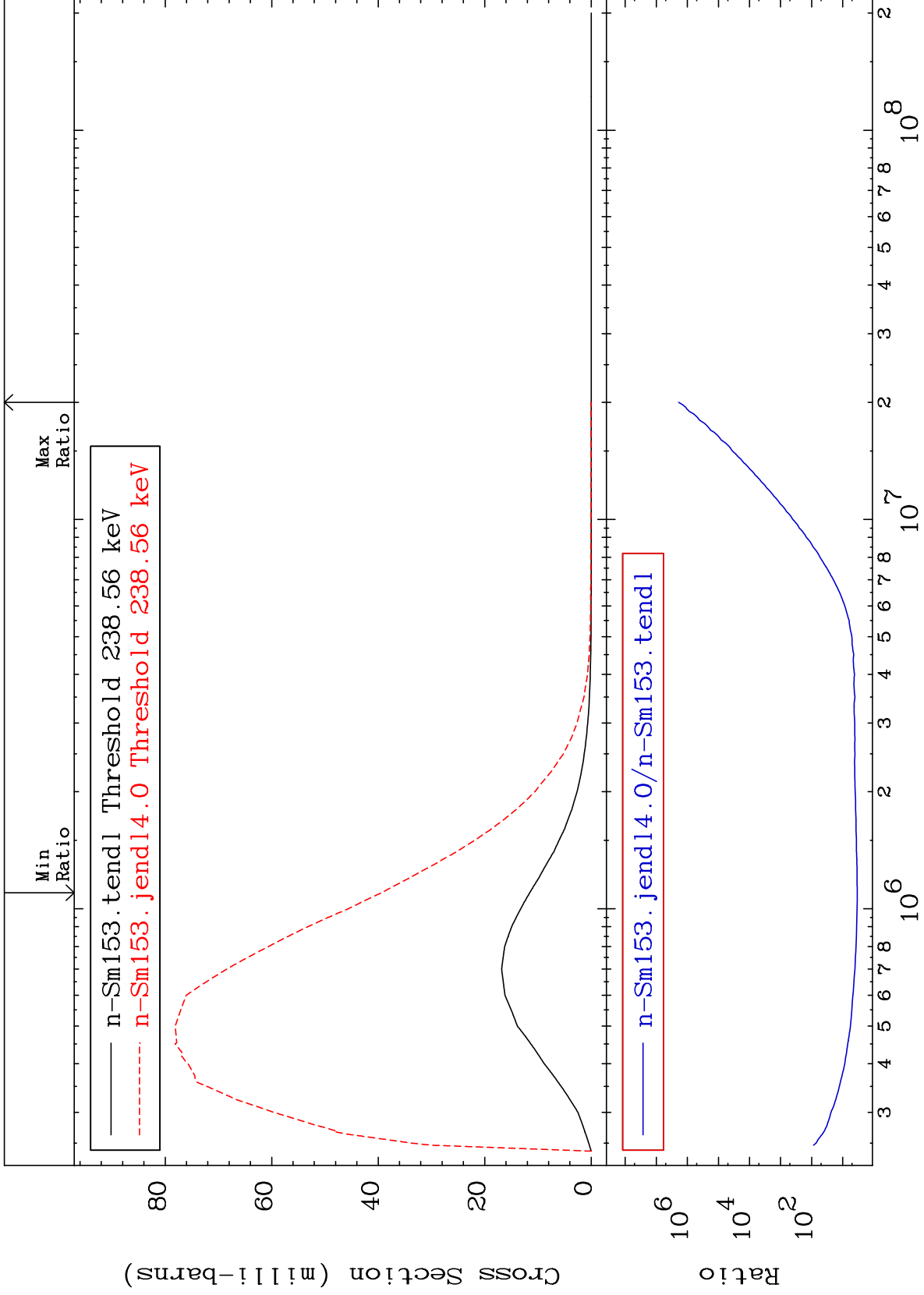




MAT 6252

MT= 65 (n,n') Level
Cross Section

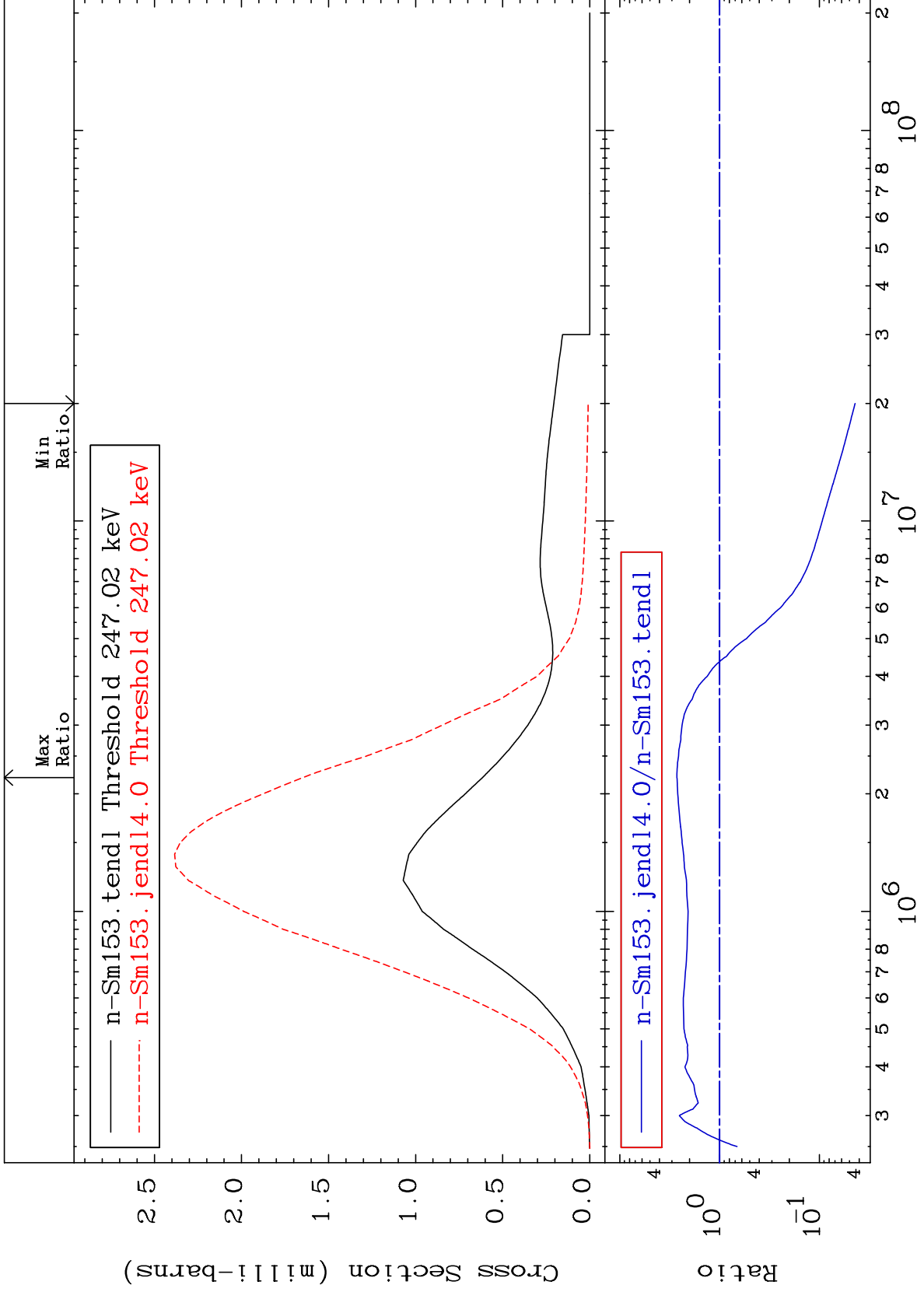
62-Sm-153
241.1 To 9999. %



MAT 6252

MT= 66 (n,n') Level
Cross Section

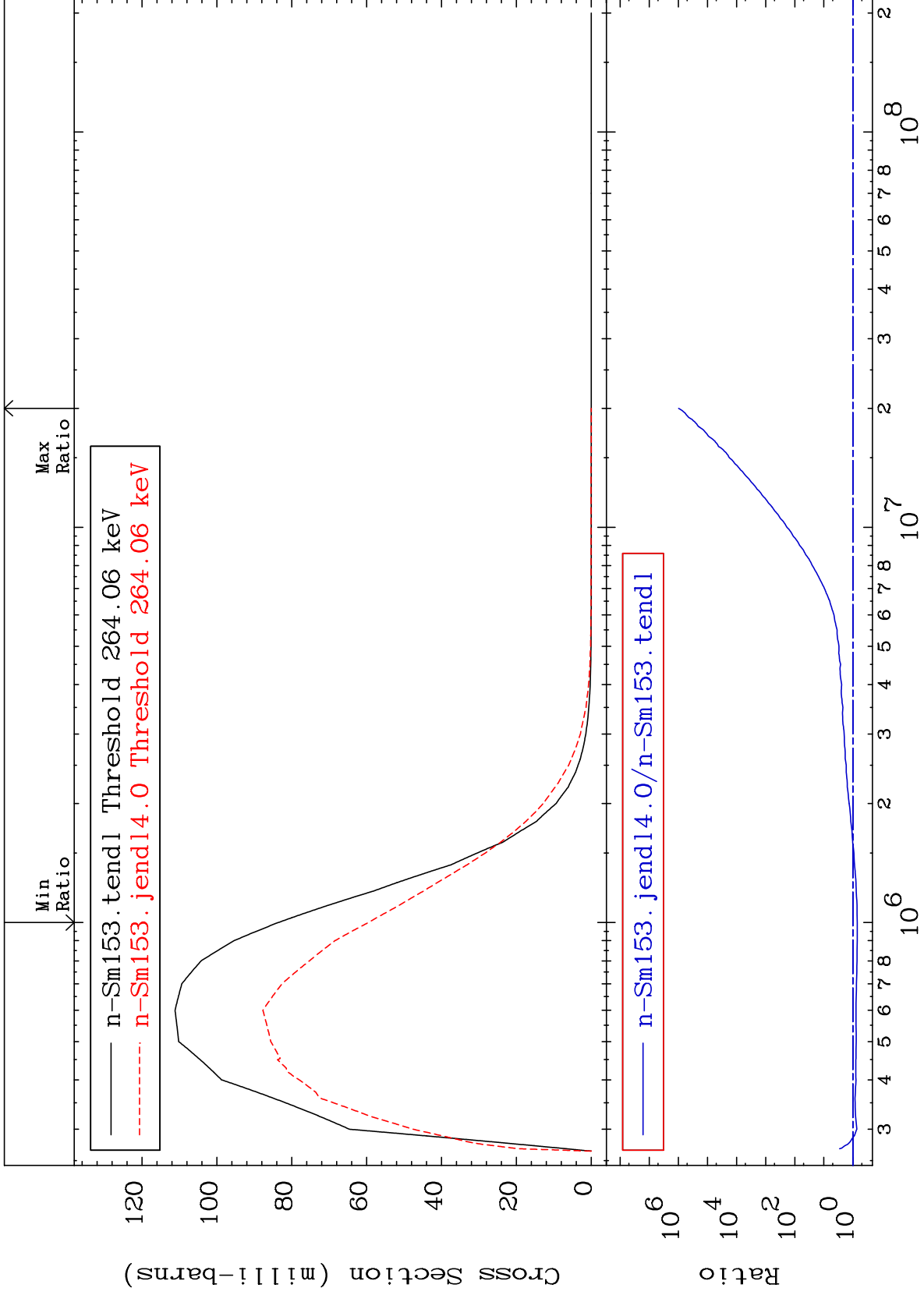
62-Sm-153
-95.61 To 167.8 %



MAT 6252

MT= 67 (n,n') Level
Cross Section

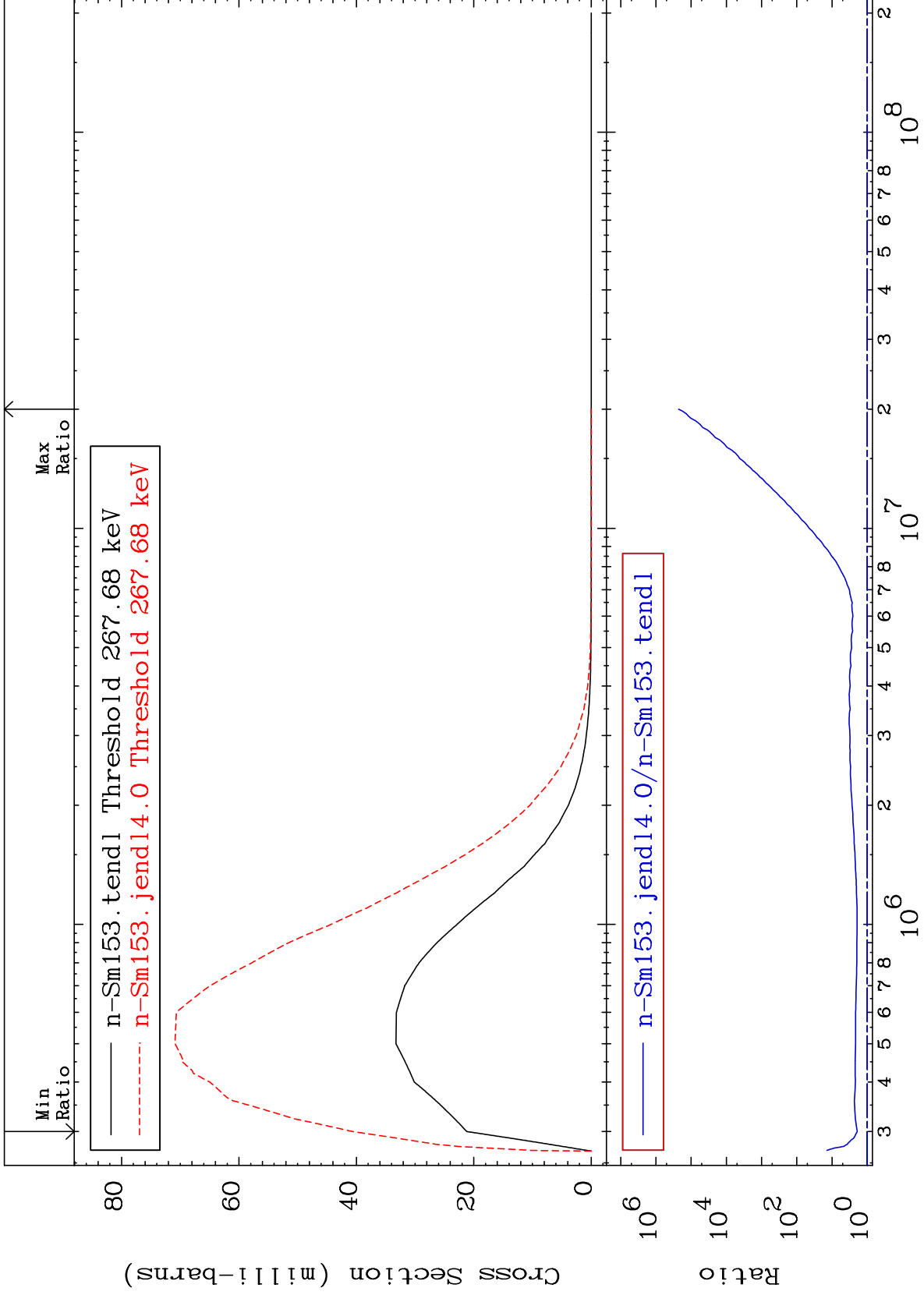
62-Sm-153
-28.78 To 9999. %



MAT 6252

MT= 68 (n,n') Level
Cross Section

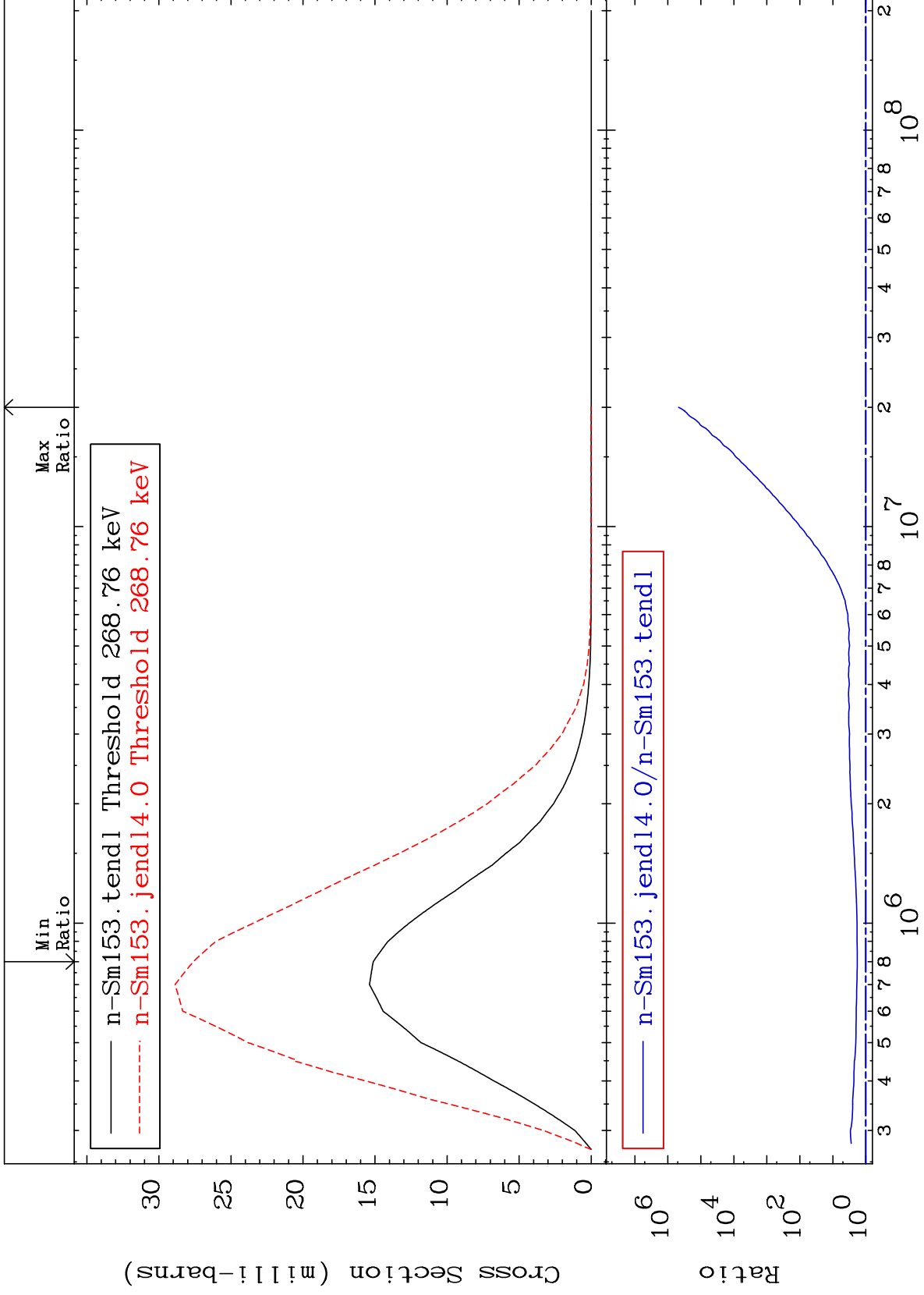
62-Sm-153
91.67 To 9999. %



MAT 6252

MT= 69 (n,n') Level
Cross Section

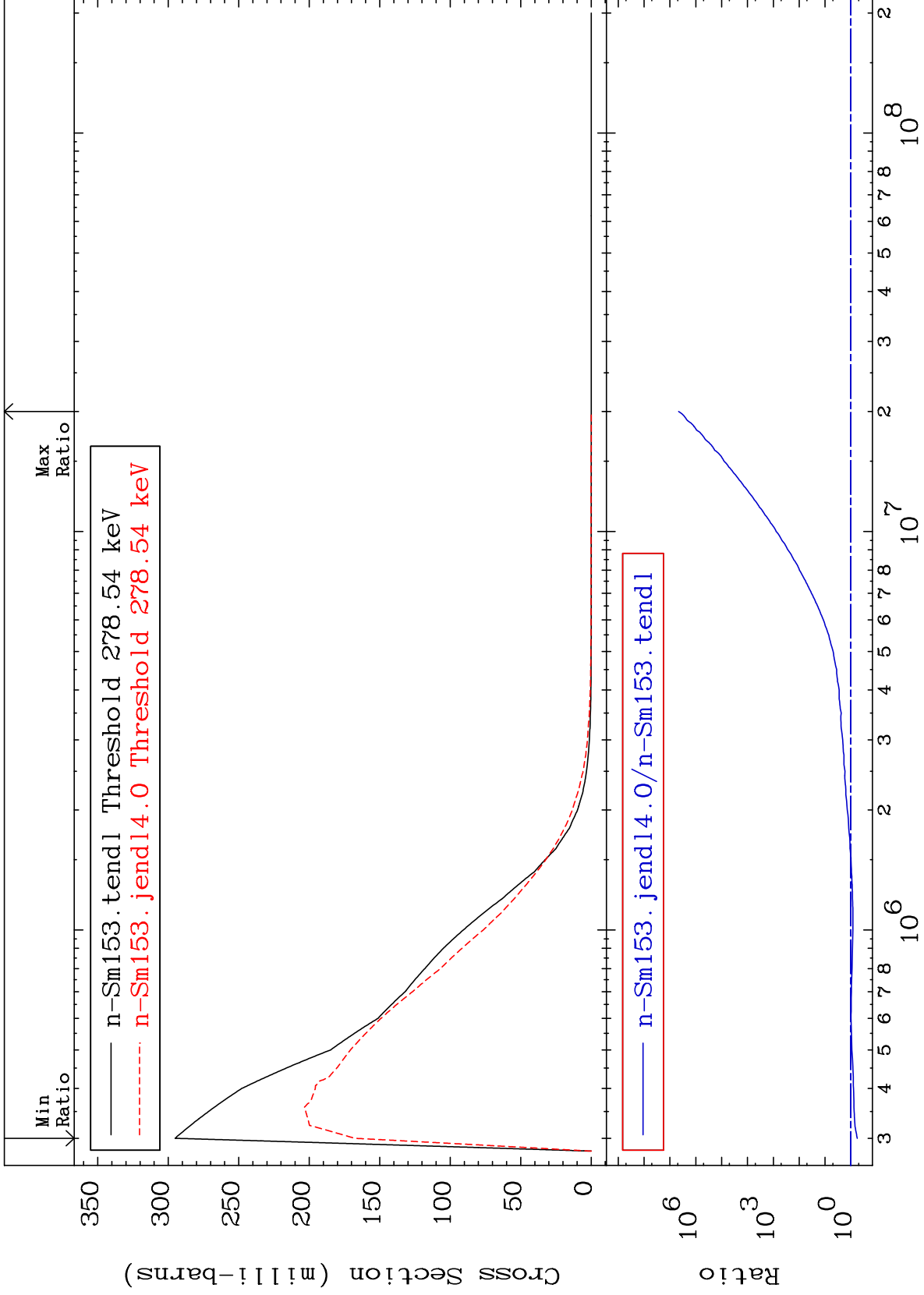
62-Sm-153
82.52 To 9999. %



MAT 6252

MT= 70 (n,n') Level
Cross Section

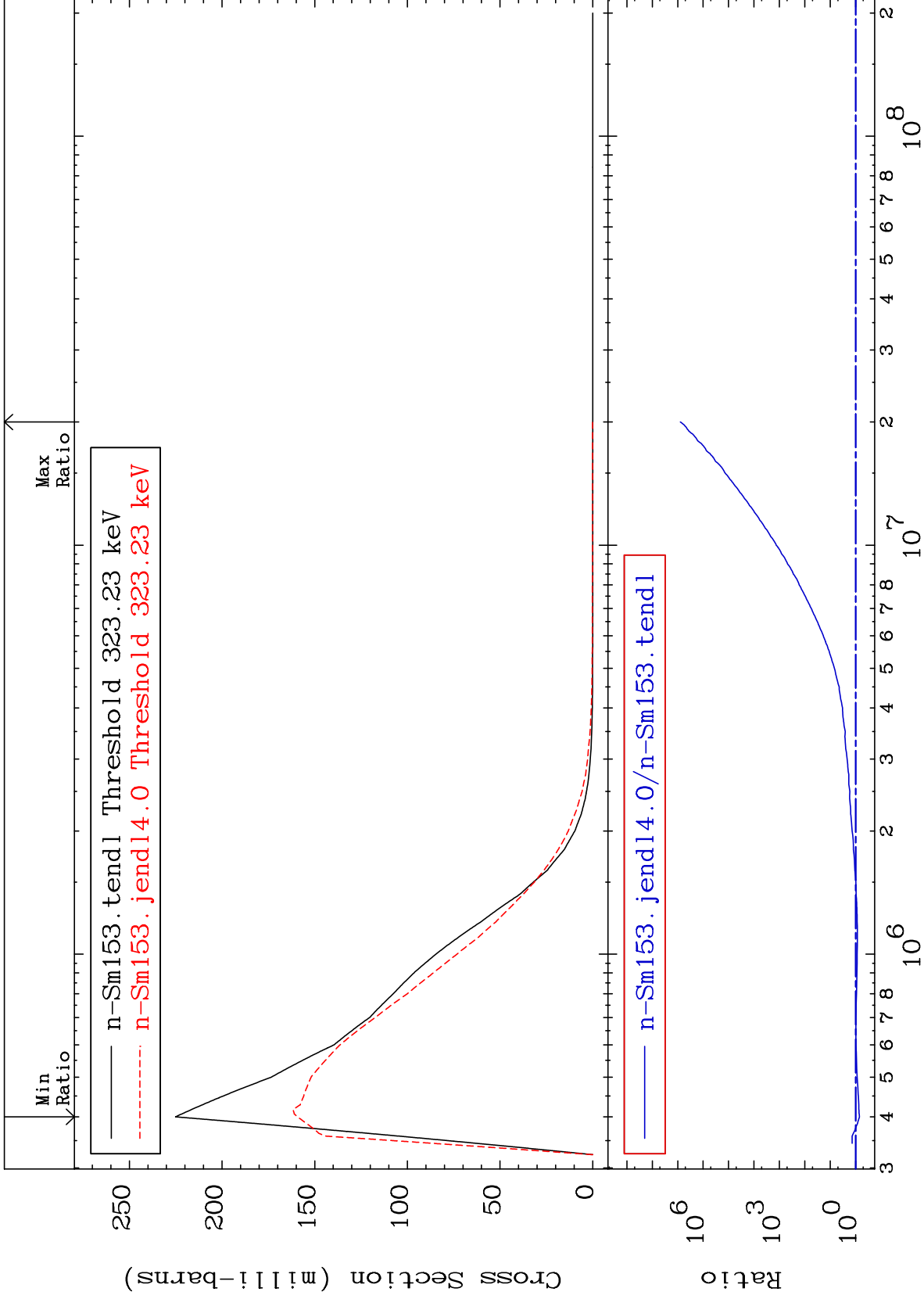
62-Sm-153
-43.19 To 9999. %



30

Incident Energy (eV)

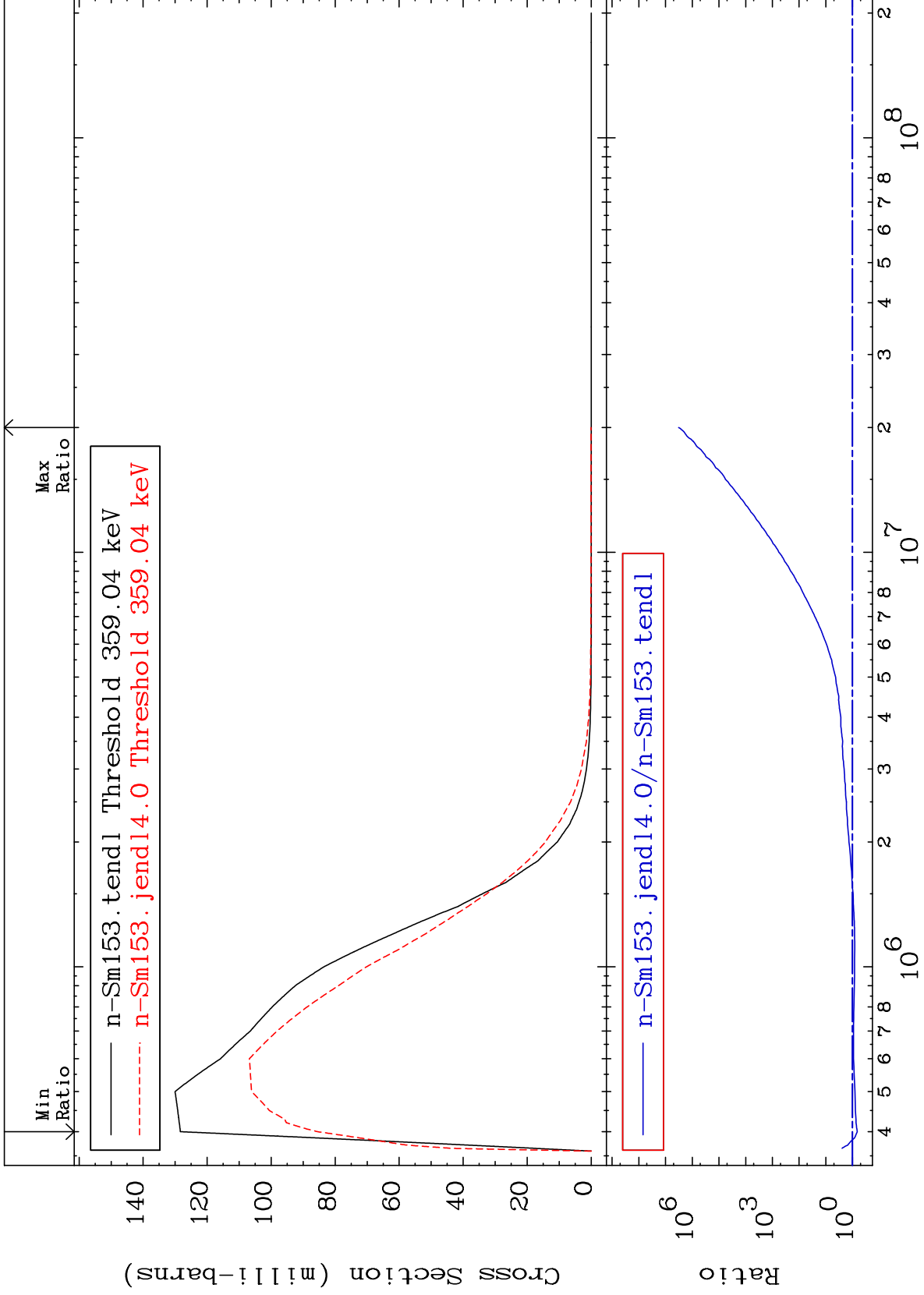
62-Sm-153

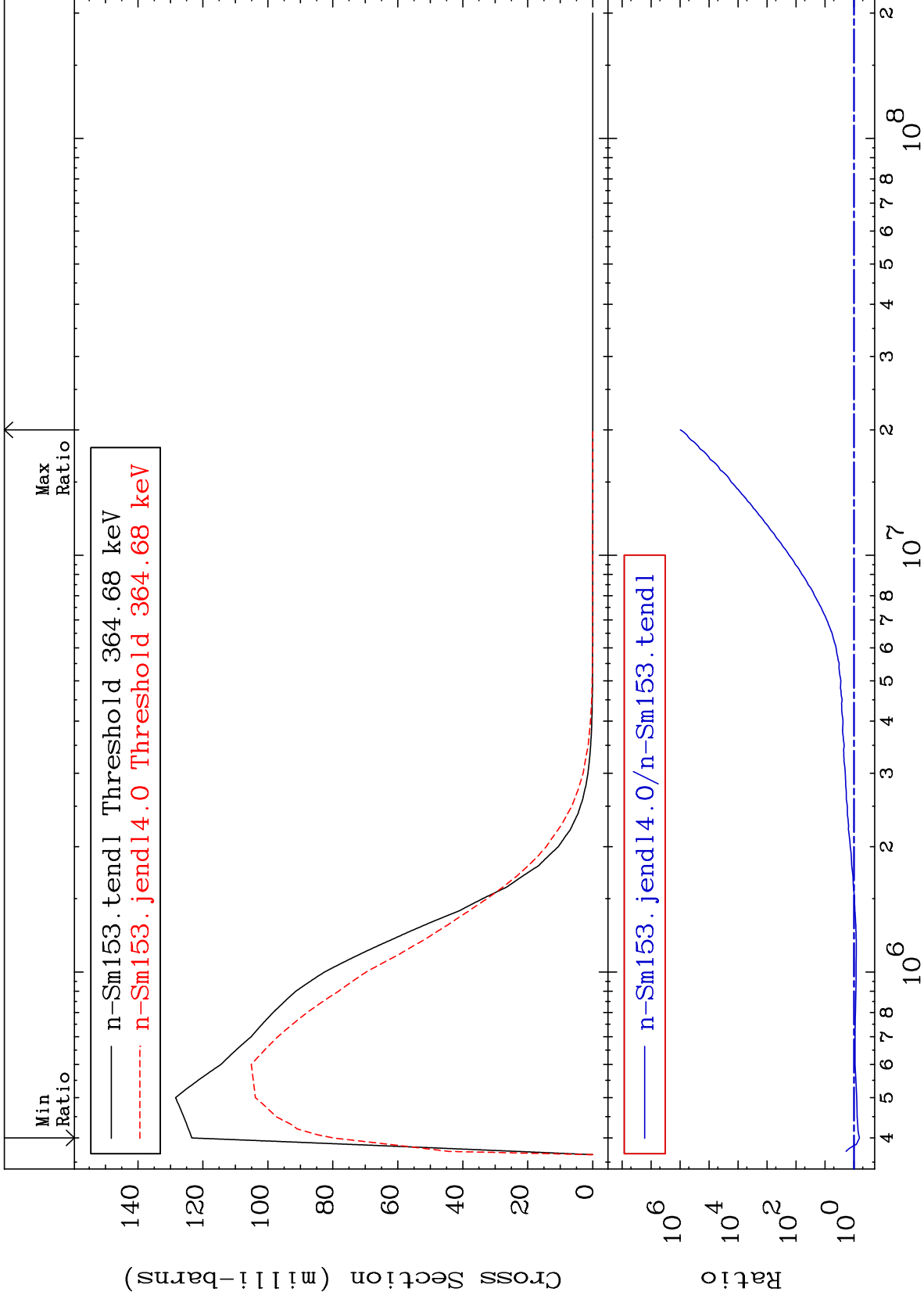


MAT 6252

MT= 72 (n,n') Level
Cross Section

62-Sm-153
-33.44 To 9999. %

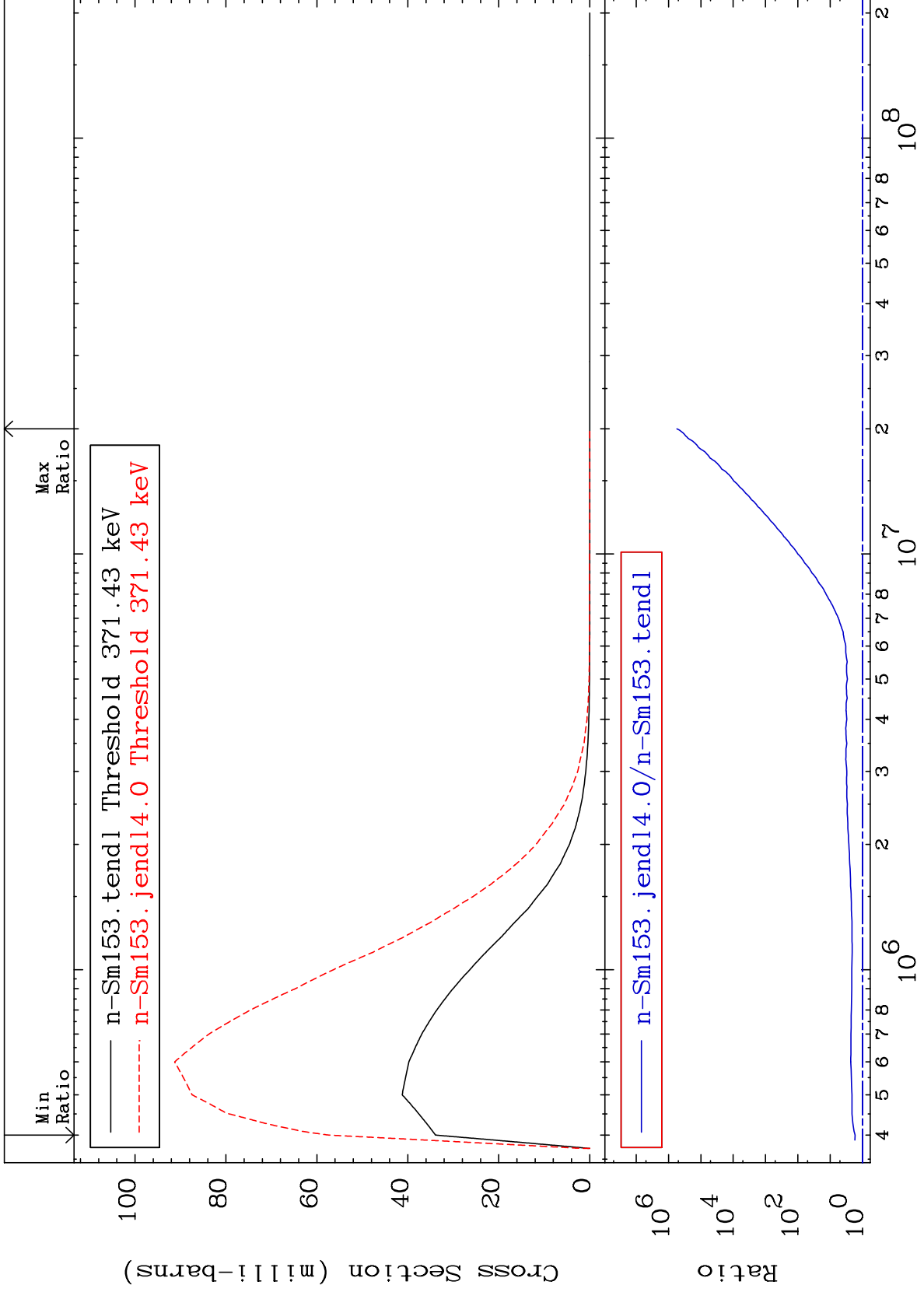




MAT 6252

MT= 74 (n,n') Level
Cross Section

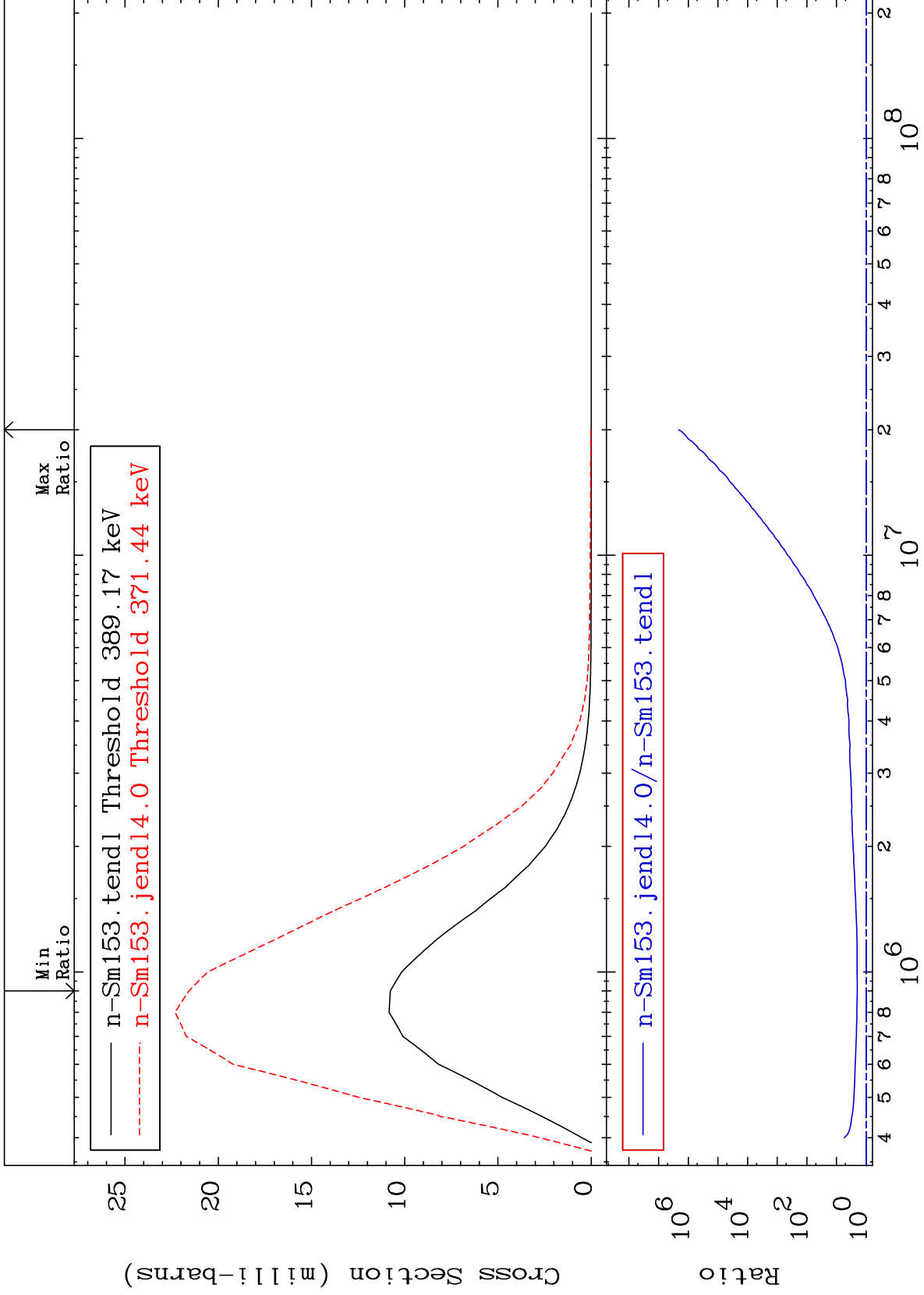
62-Sm-153
69.17 To 9999. %



MAT 6252

MT= 75 (n,n') Level
Cross Section

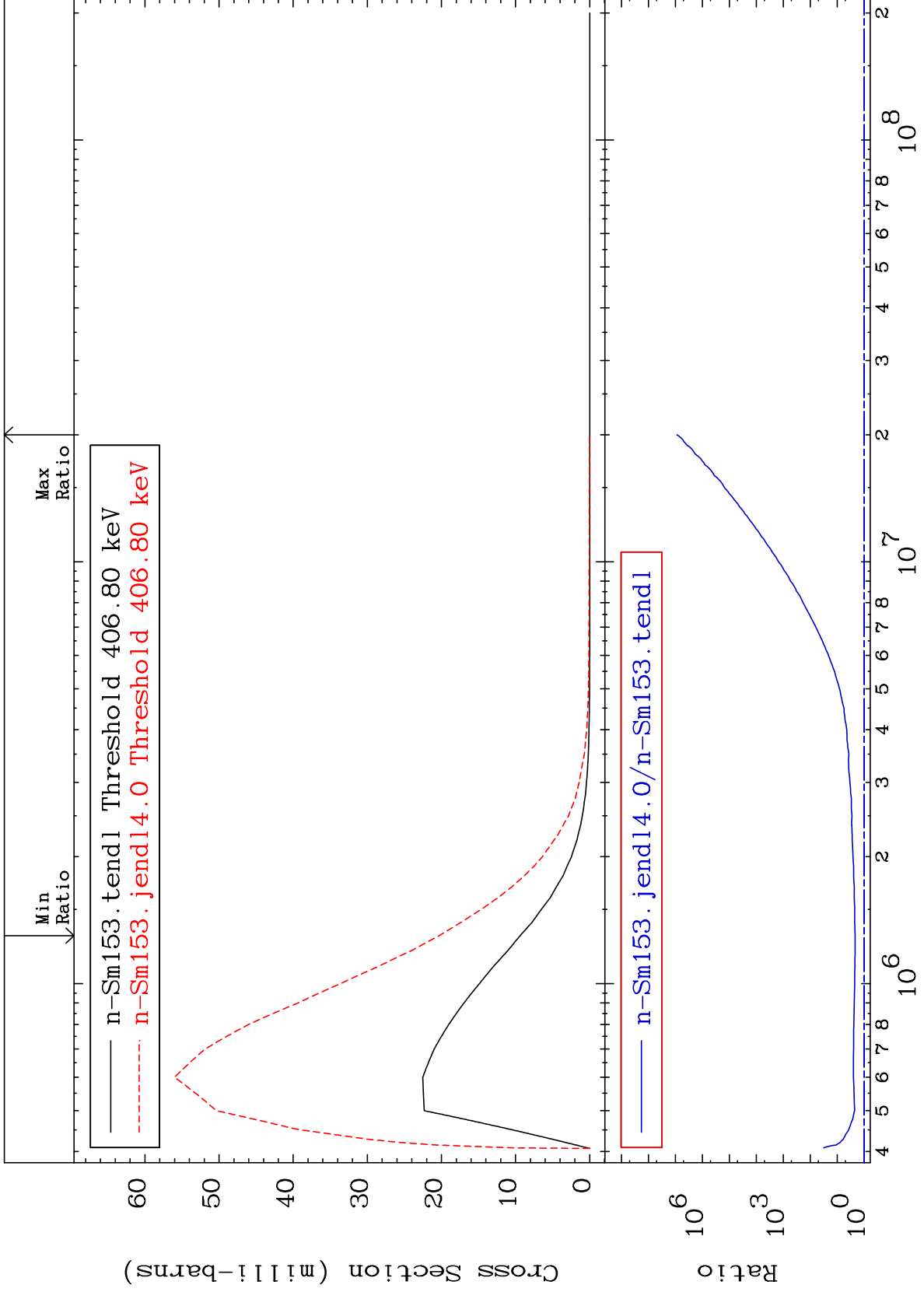
62-Sm-153
100.3 To 9999. %



MAT 6252

MT= 76 (n,n') Level
Cross Section

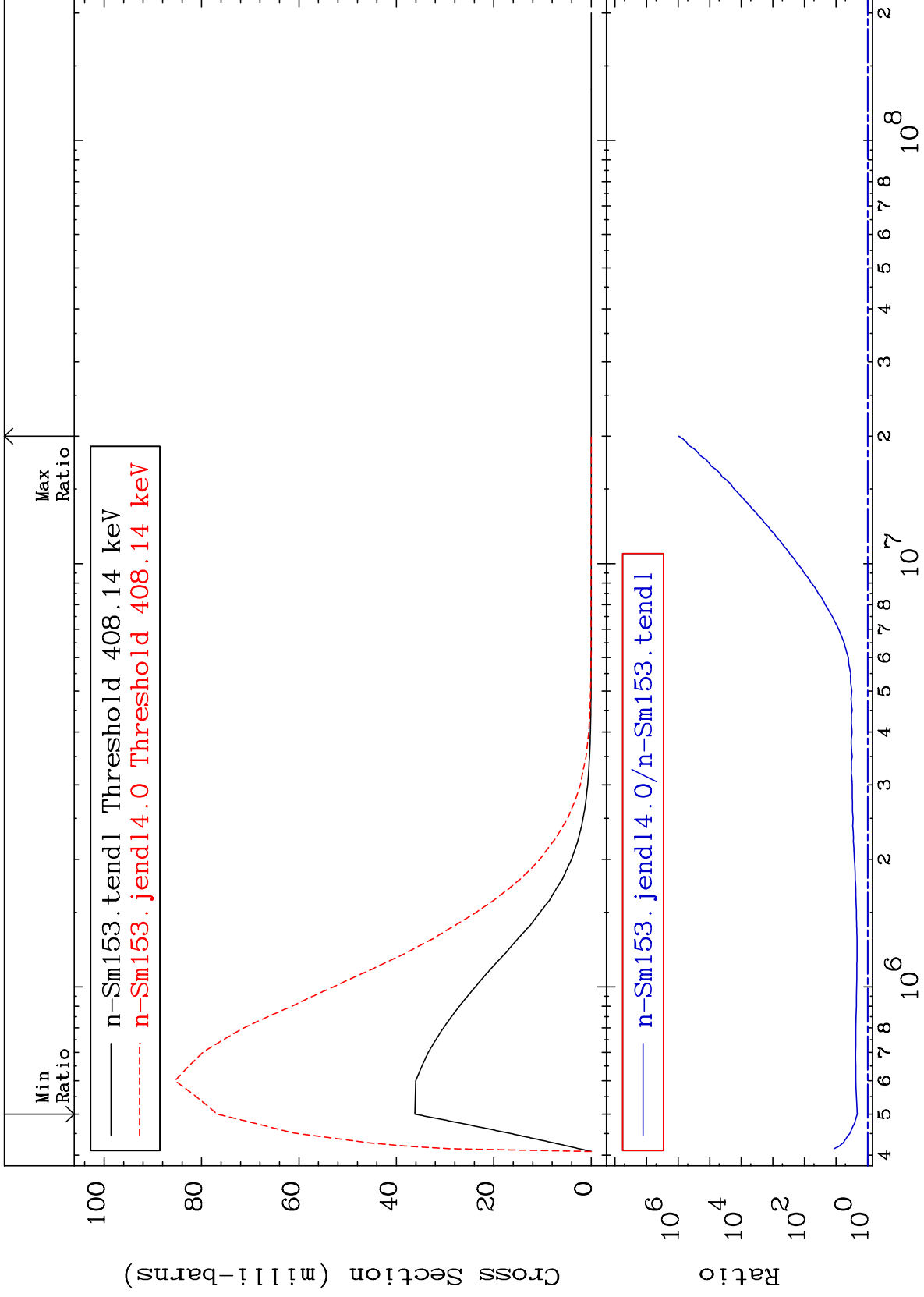
62-Sm-153
116.4 To 9999. %



MAT 6252

MT= 77 (n,n') Level
Cross Section

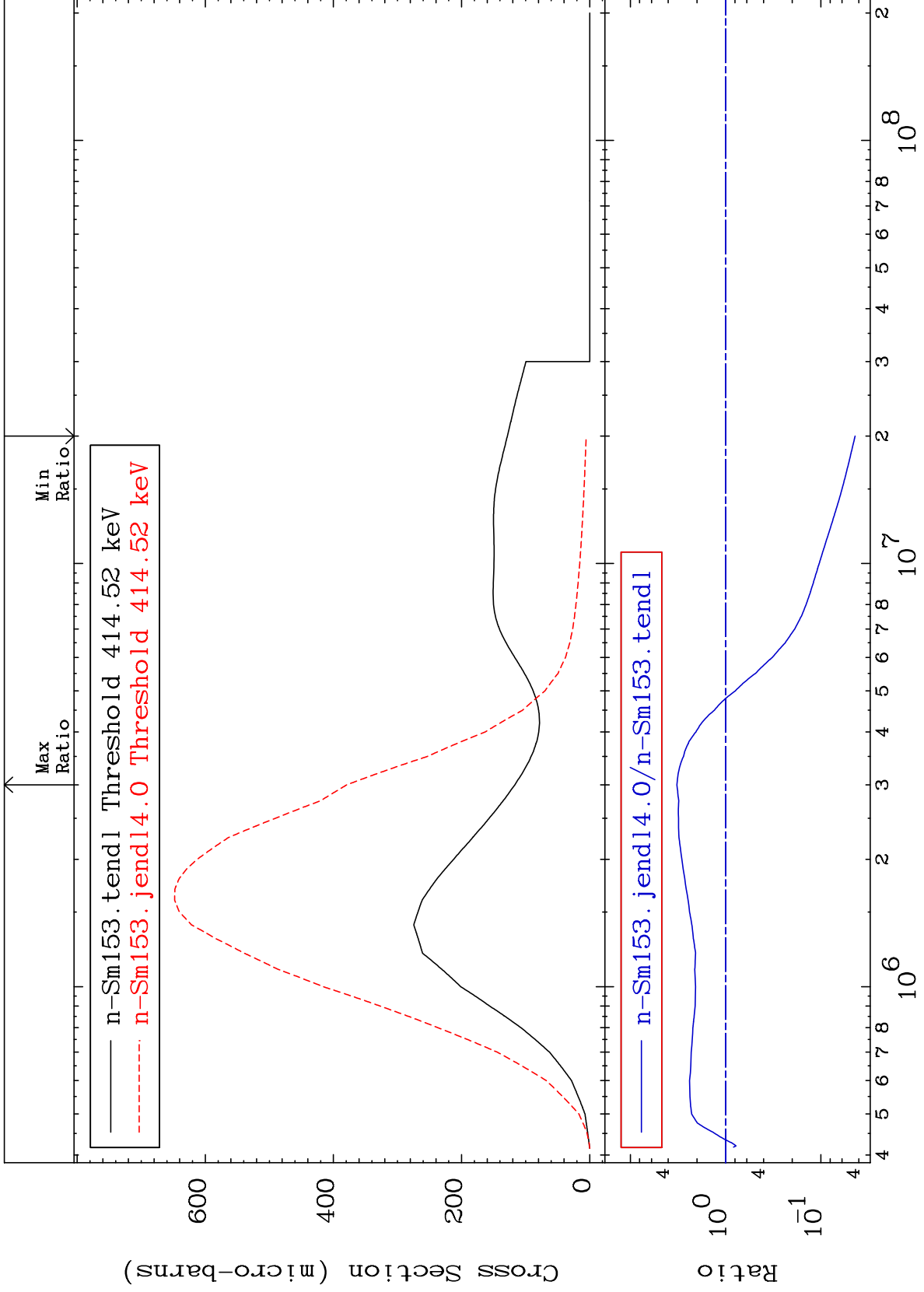
62-Sm-153
112.1 To 9999. %



MAT 6252

MT= 78 (n,n') Level
Cross Section

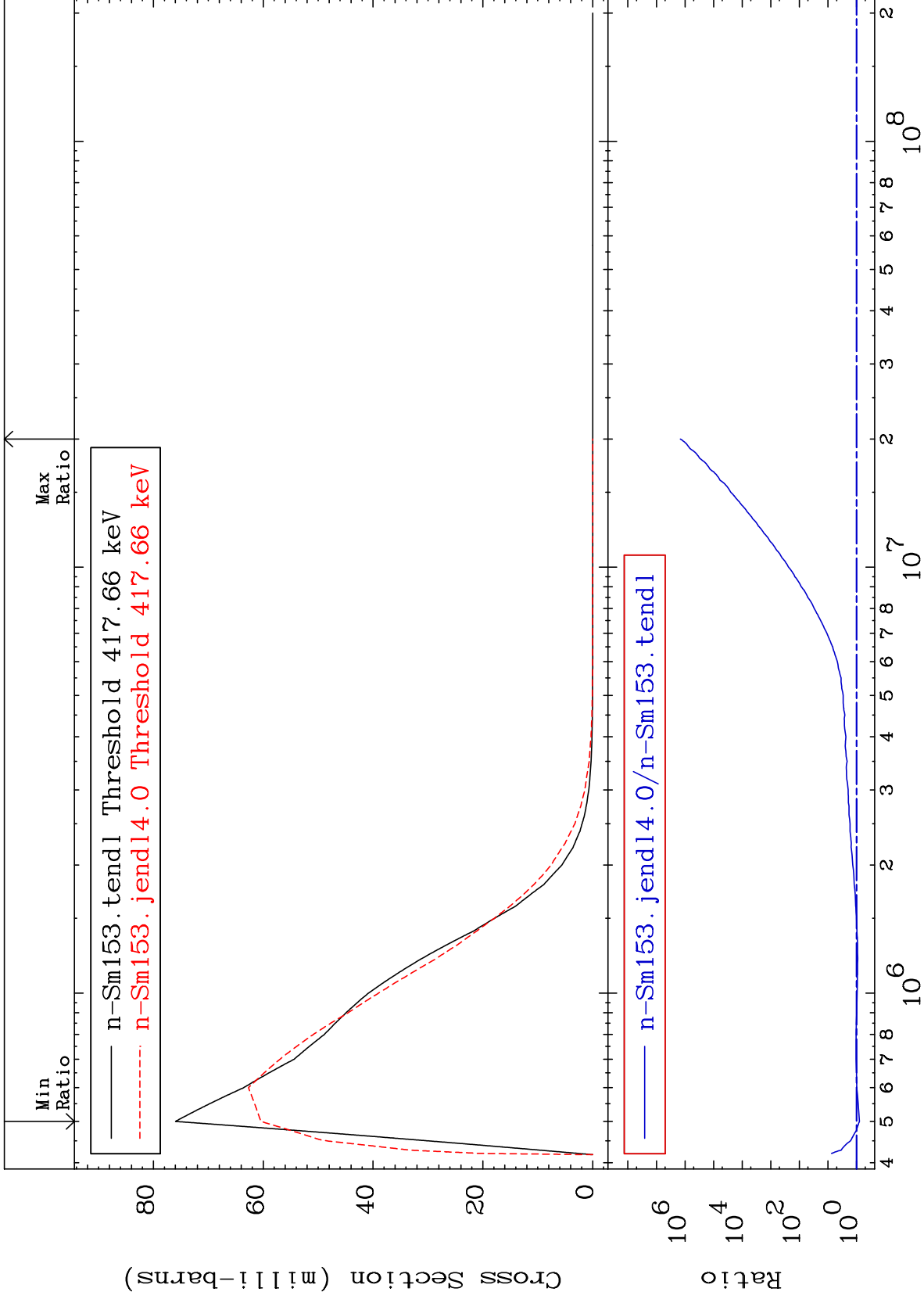
62-Sm-153
-95.62 To 224.5 %



MAT 6252

MT= 79 (n,n') Level
Cross Section

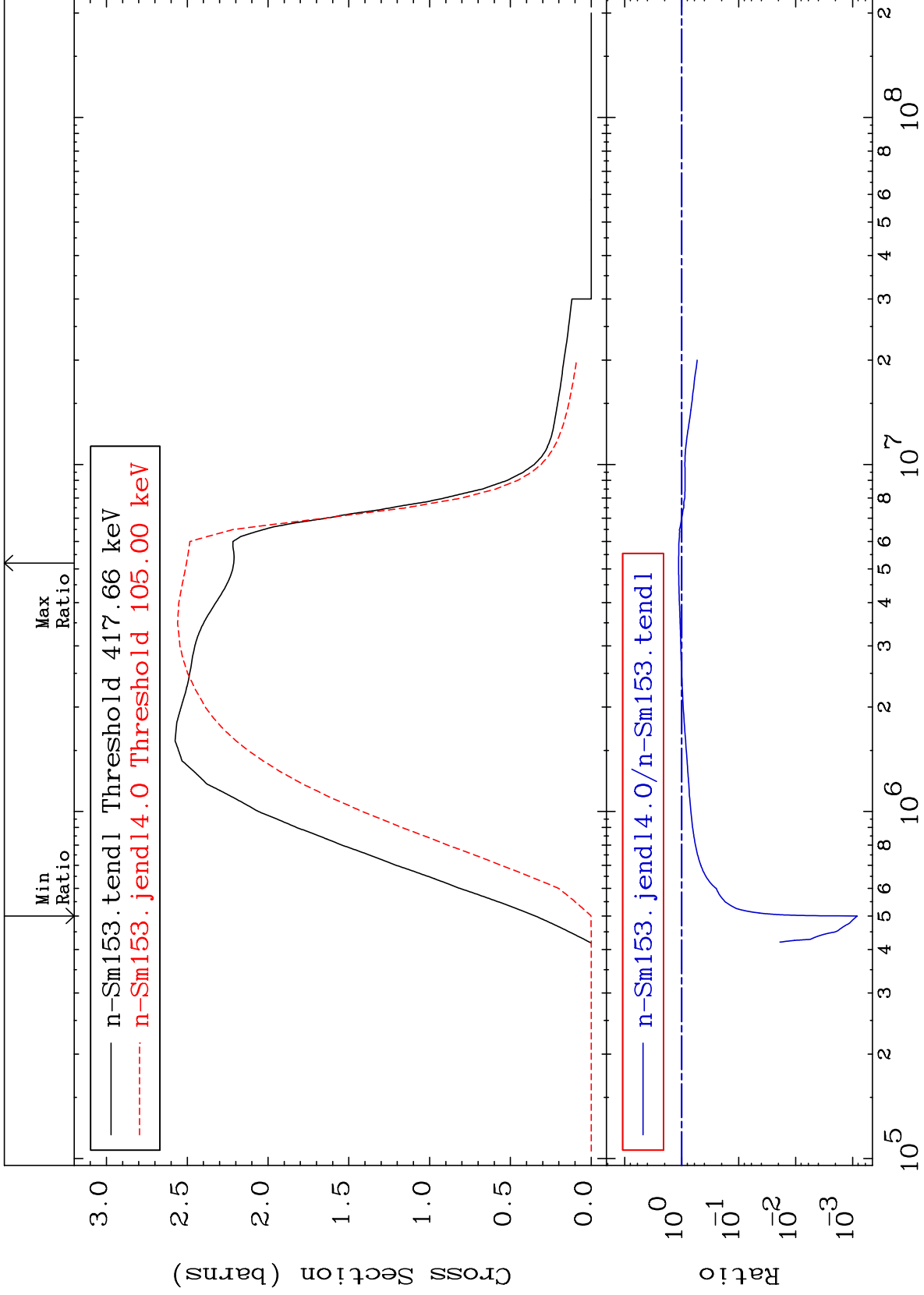
62-Sm-153
-20.44 To 9999. %



MAT 6252

(n, n') Continuum
Cross Section

62-Sm-153
-99.92 To 13.25 %



40

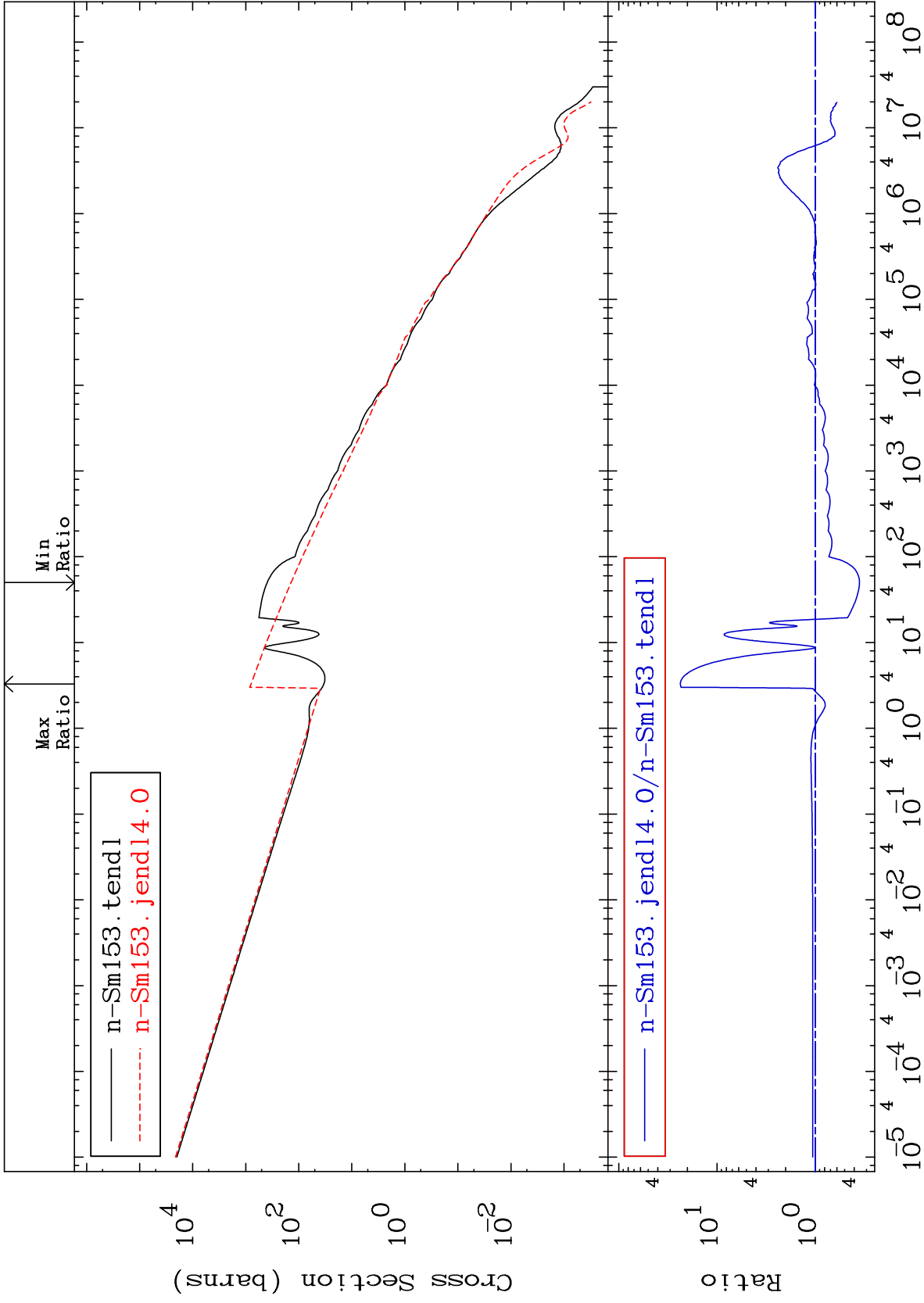
Incident Energy (eV)

62-Sm-153

MAT 6252

(n, γ)
Cross Section

62-Sm-153
-64.58 To 2258. %



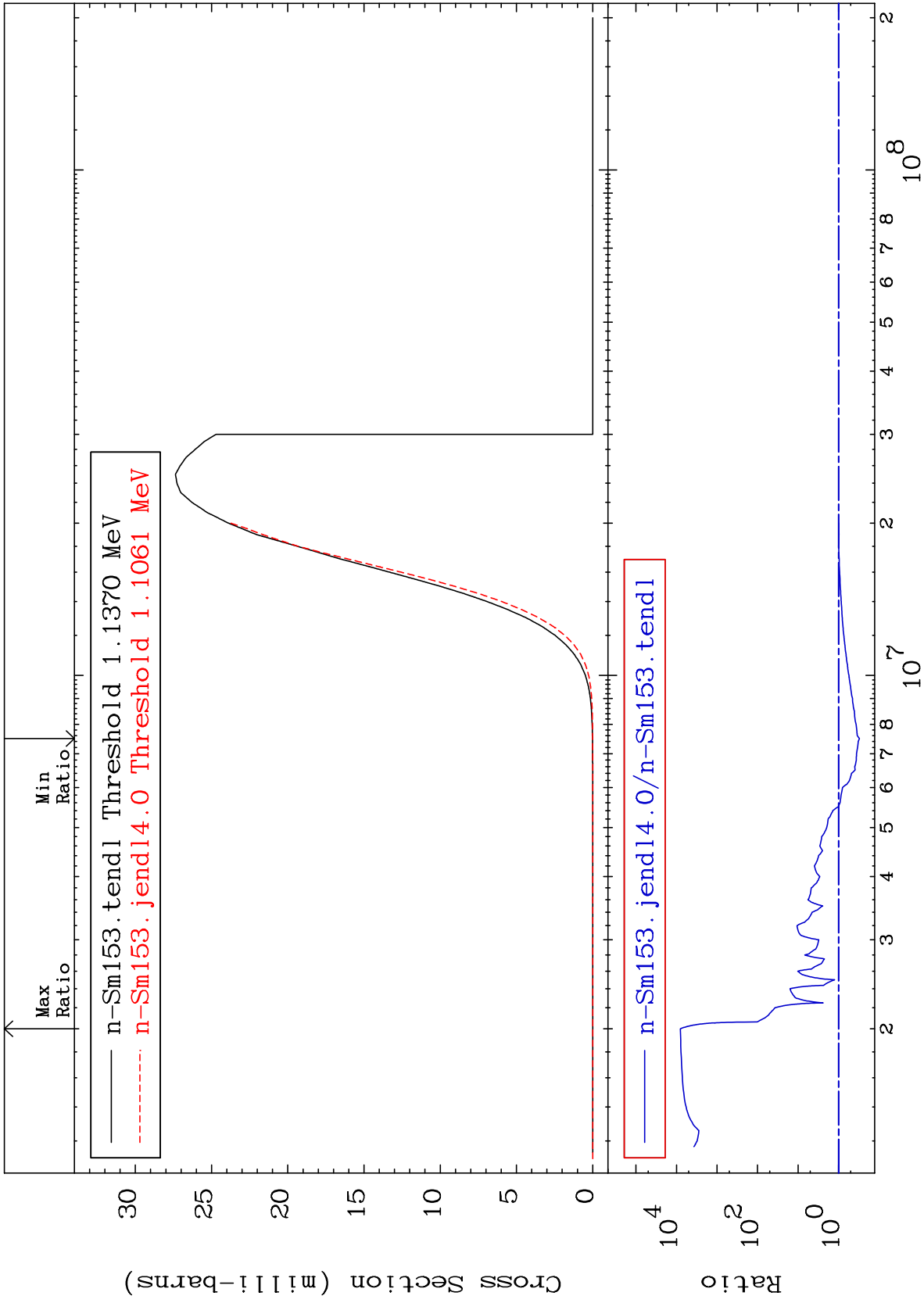
41

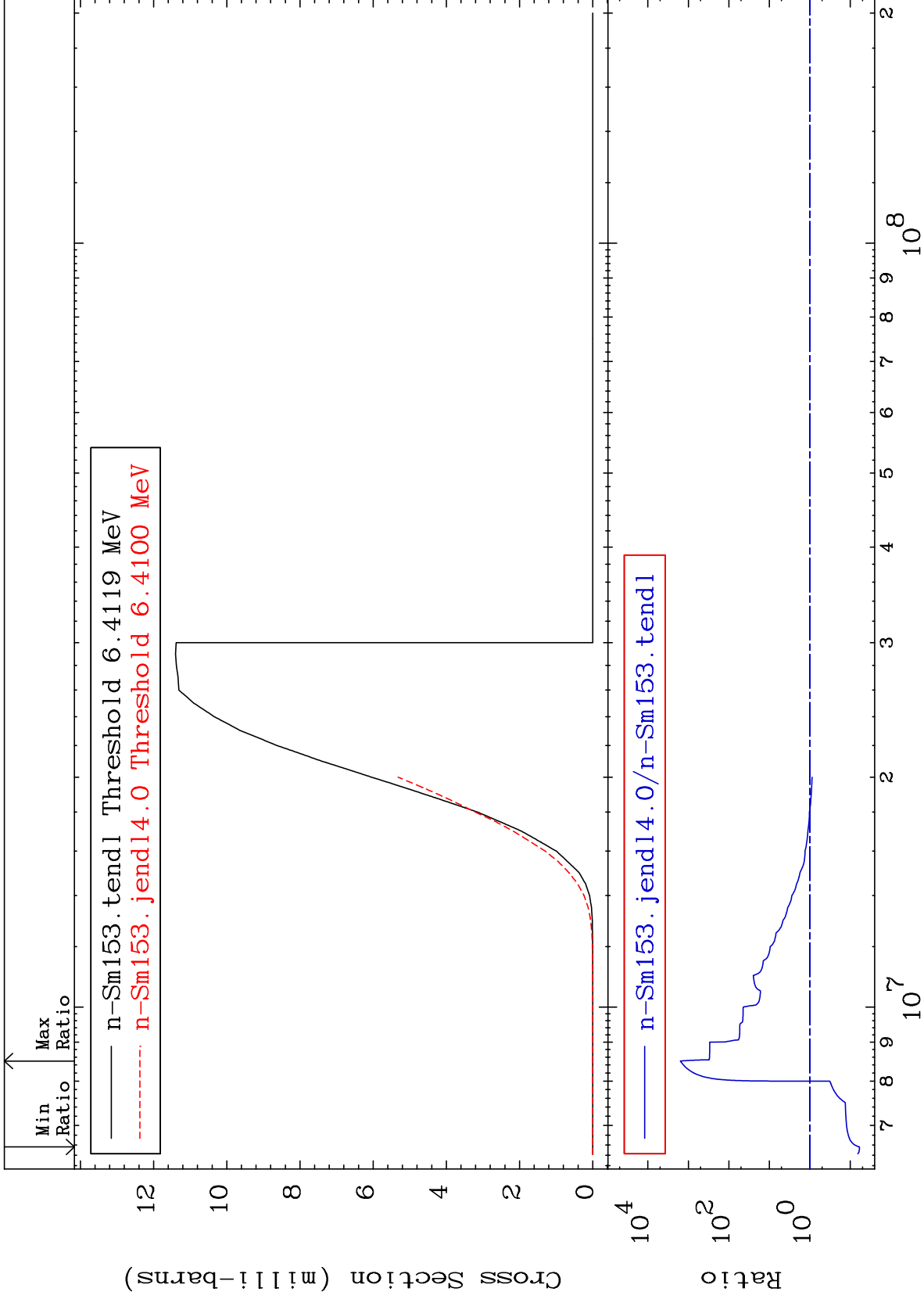
Incident Energy (eV)

62-Sm-153

Cross Section

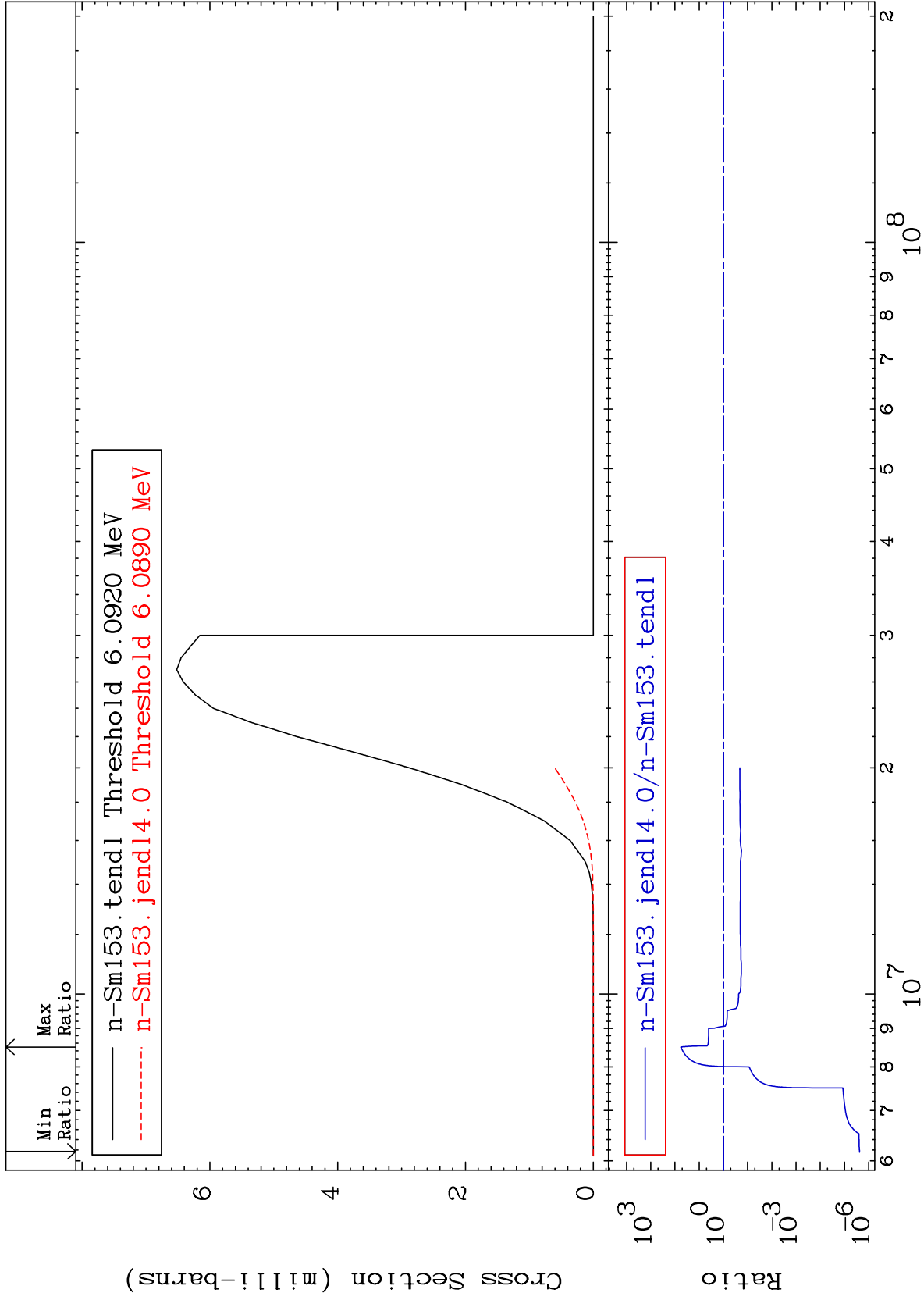
-69.44 To 9999. %





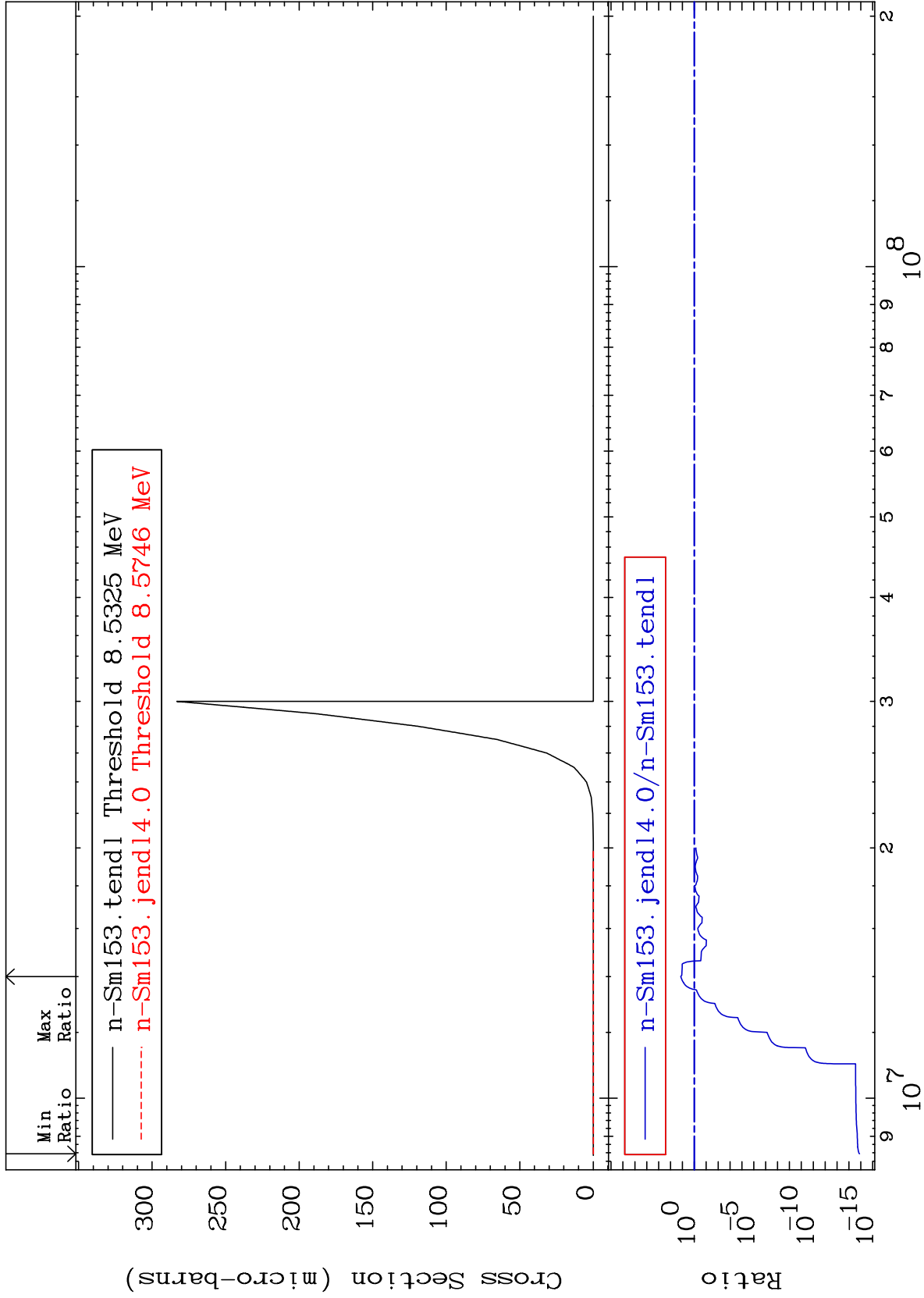
Cross Section

-100.0 To 5657. %



Cross Section

-100.0 To 1276. %



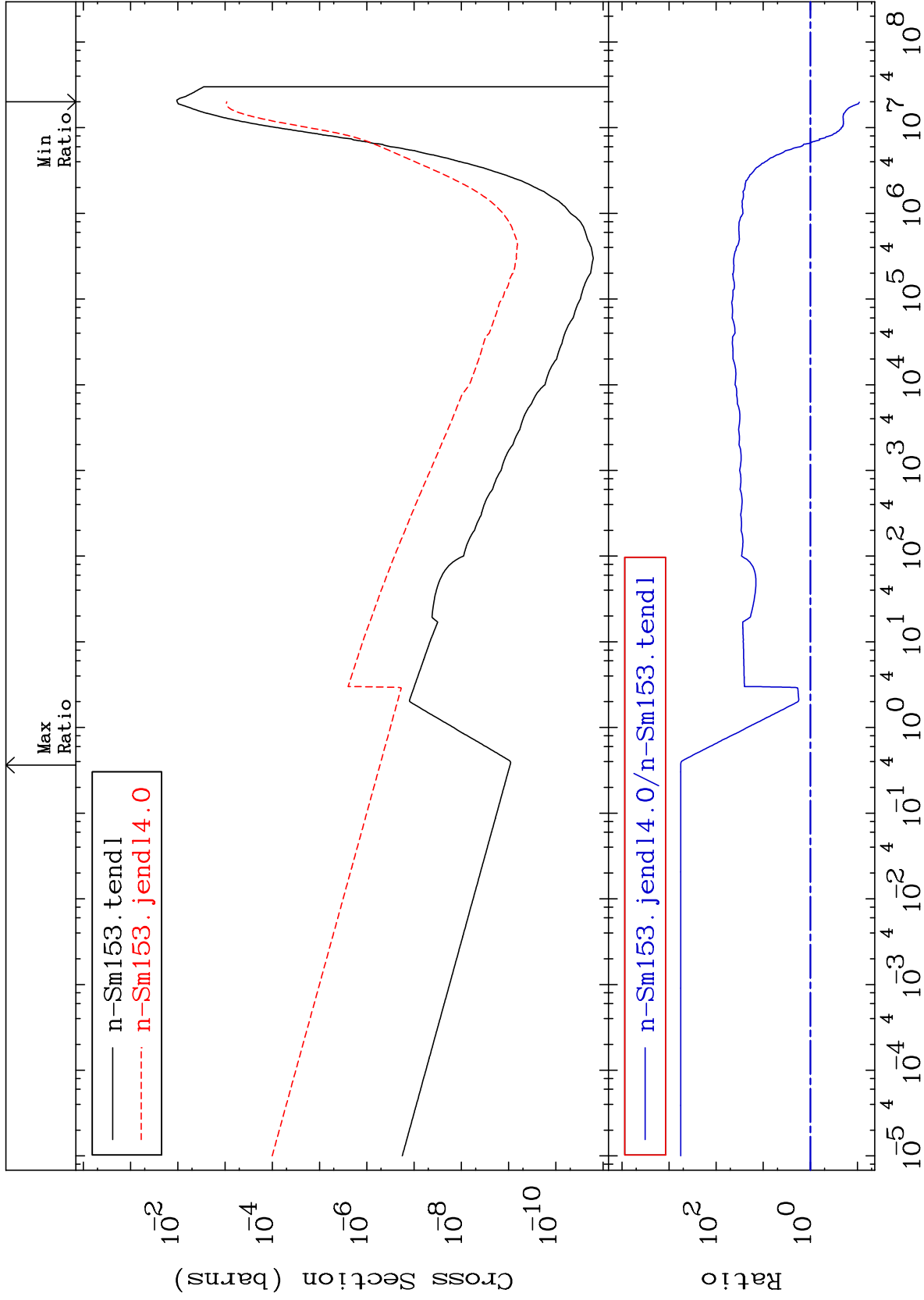
MAT 6252

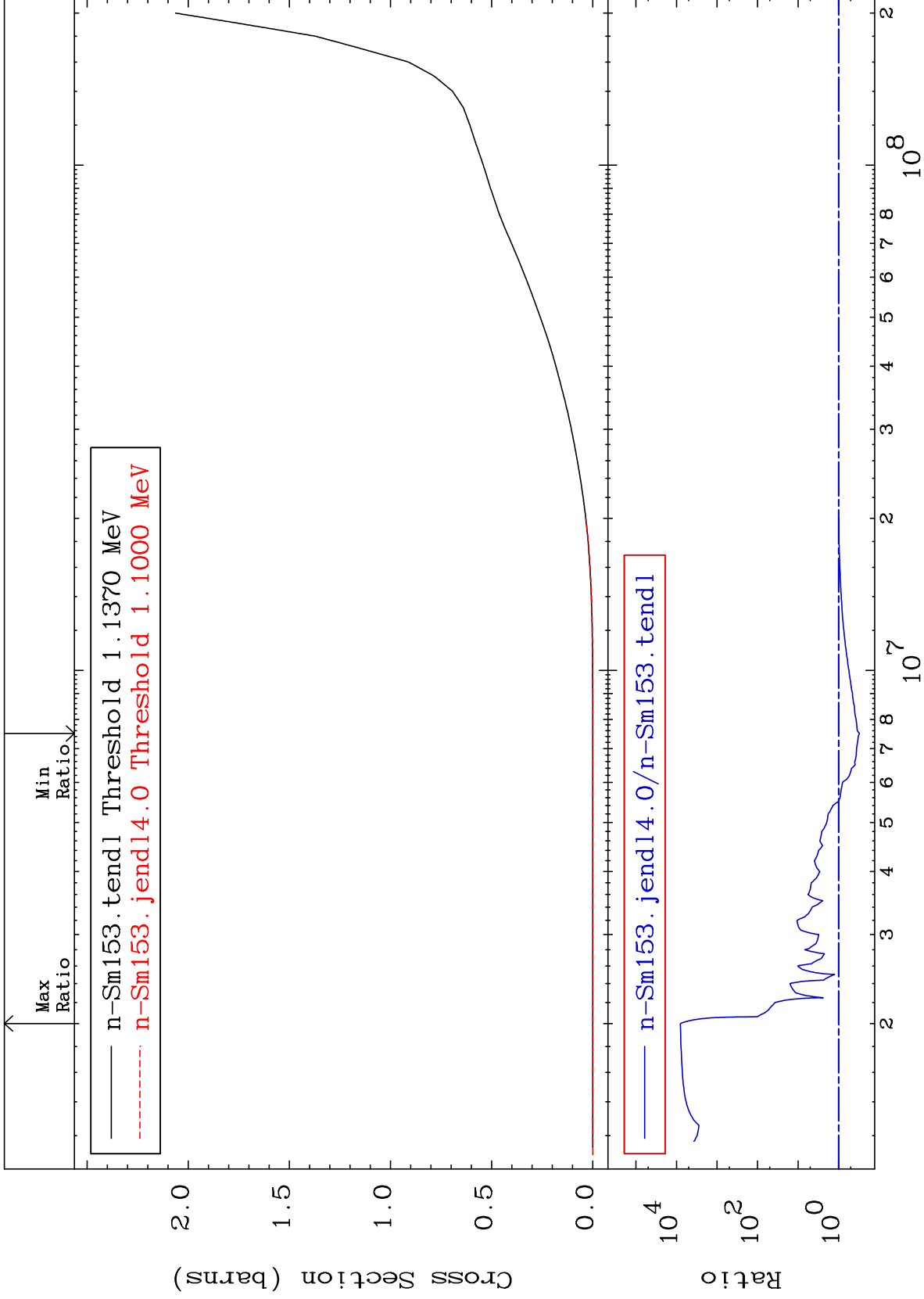
(n, α)

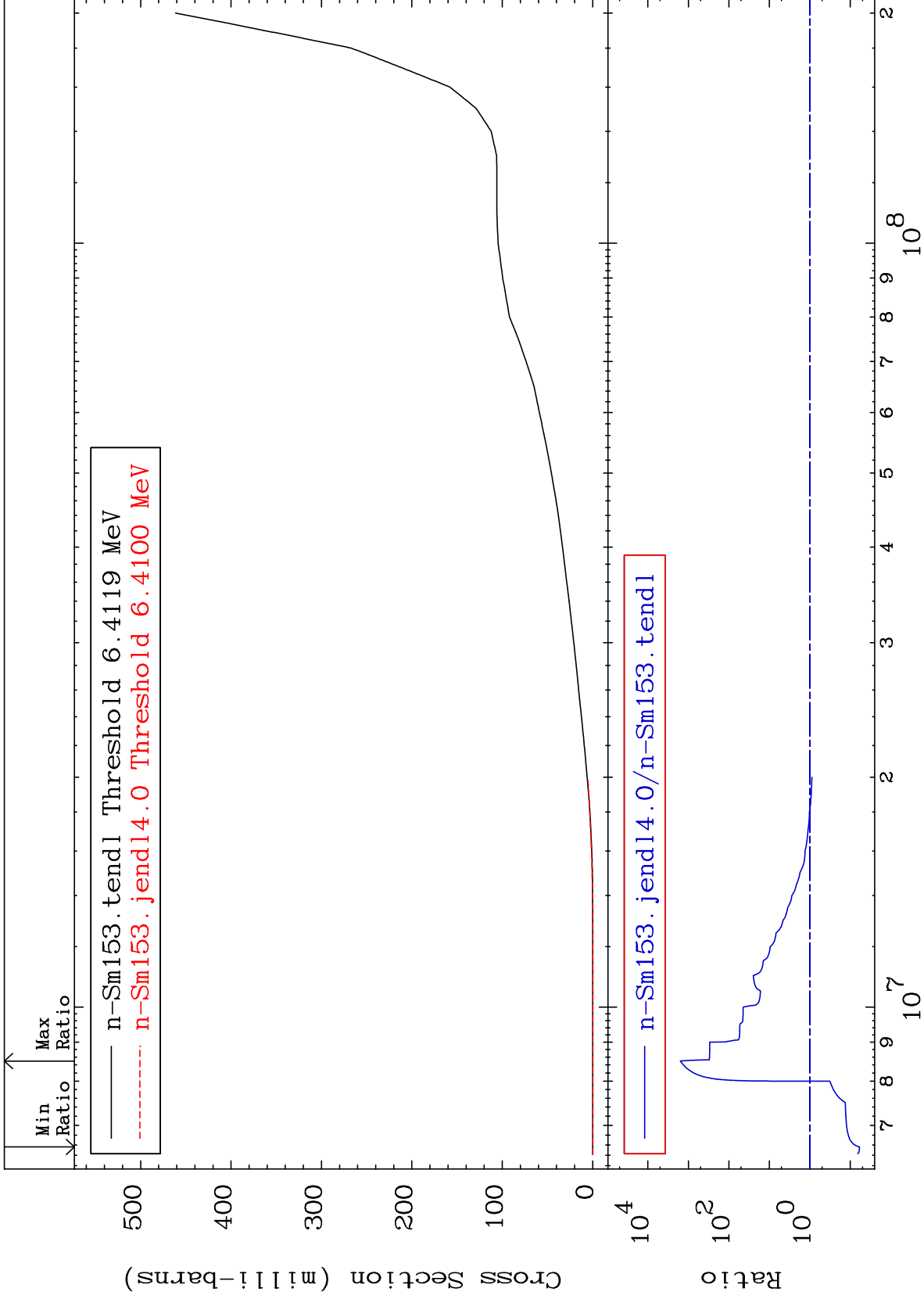
62-Sm-153

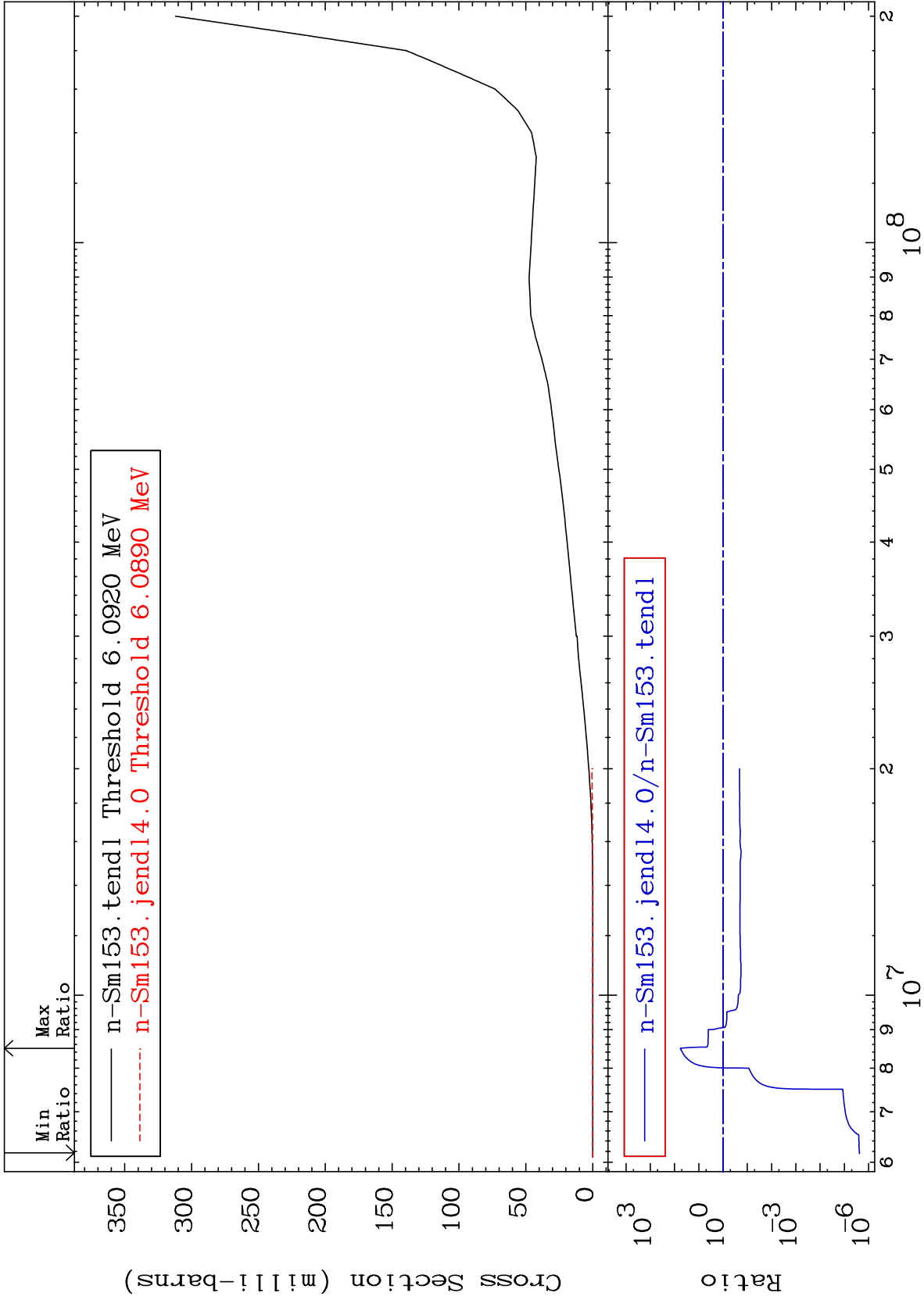
Cross Section

-91.00 To 9999. %





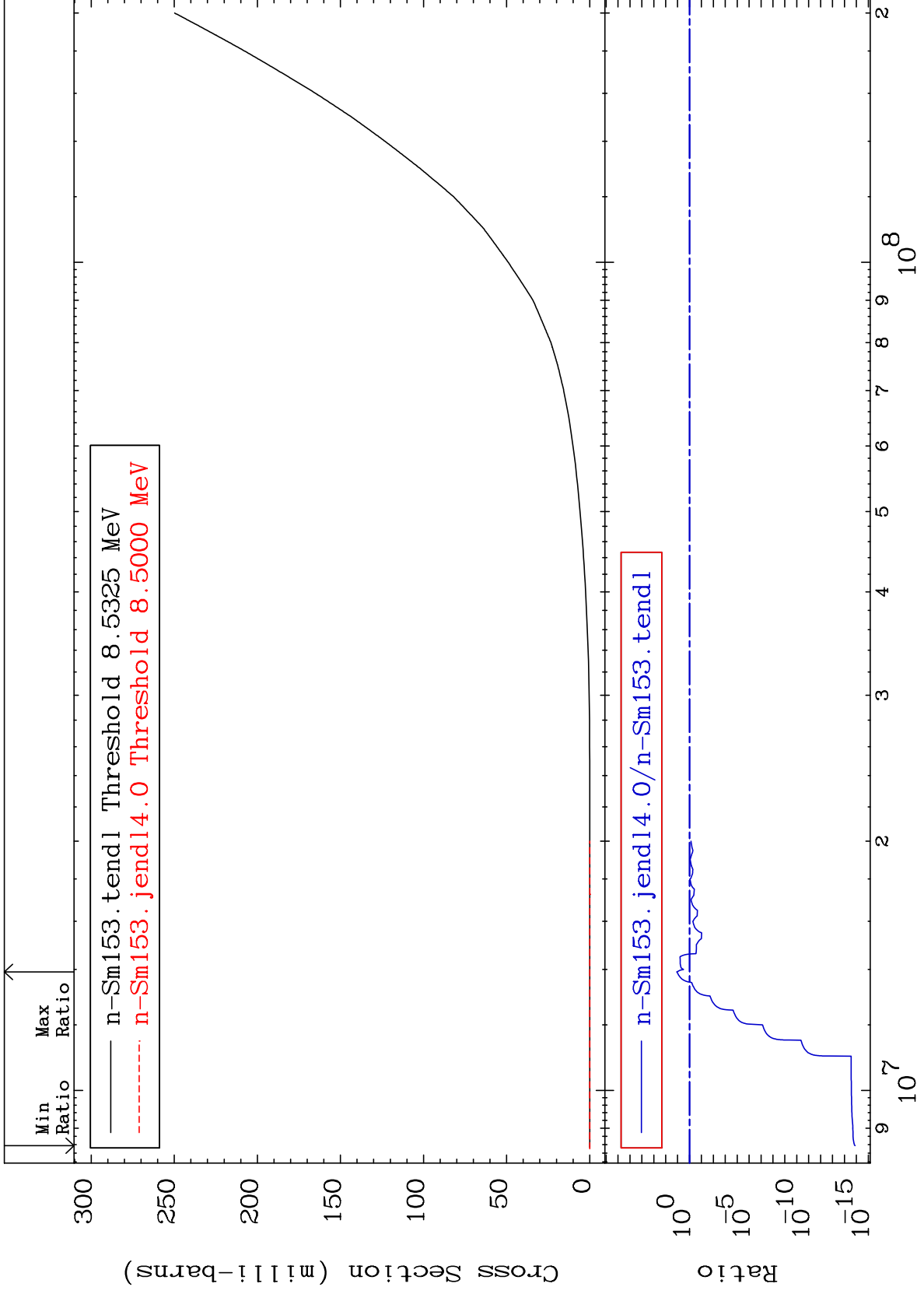




MAT 6252

He-3 Production
Cross Section

62-Sm-153
-100.0 To 1039. %



50

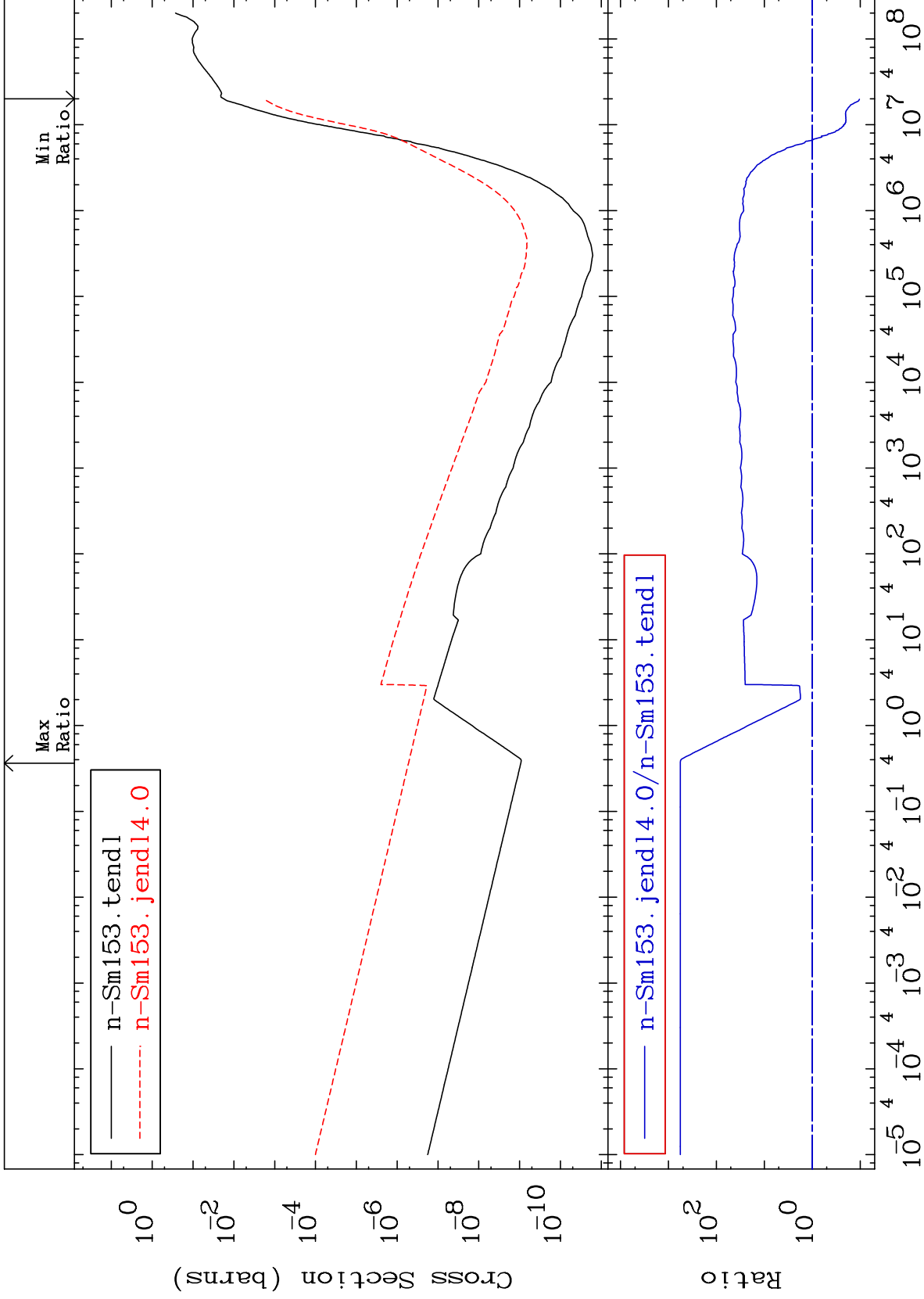
Incident Energy (eV)

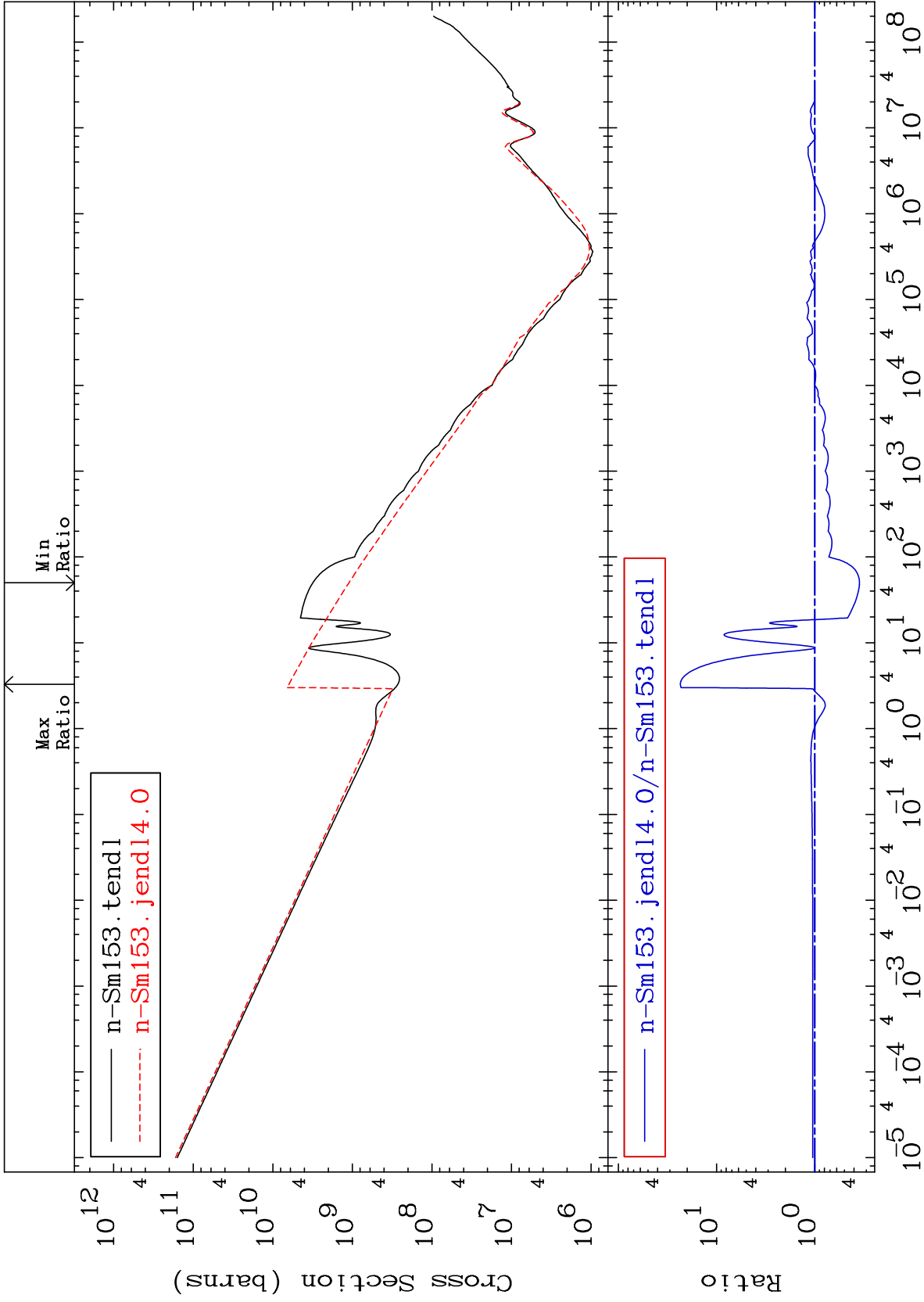
62-Sm-153

MAT 6252

He-4 Production
Cross Section

62-Sm-153
-89.59 To 9999. %

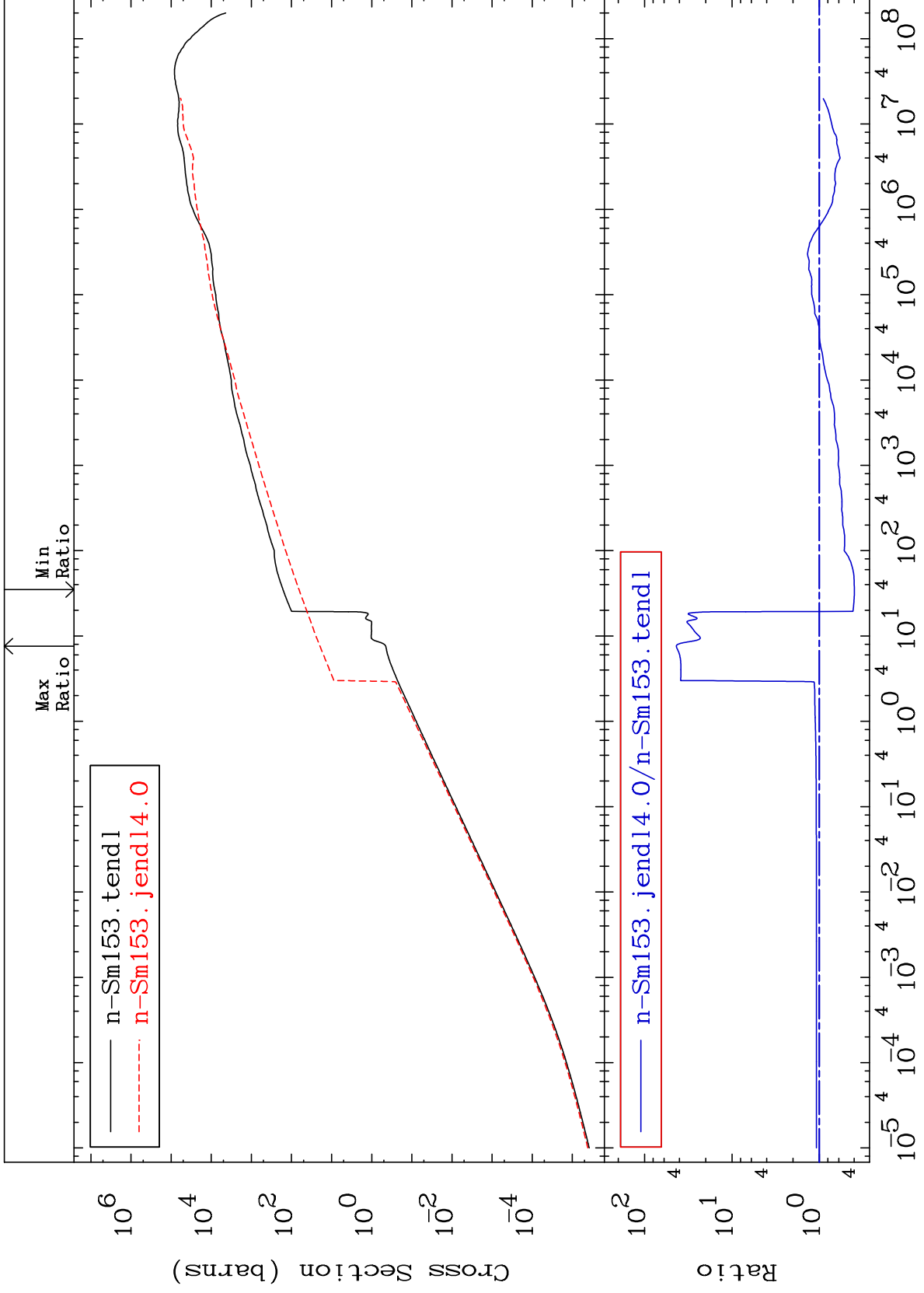


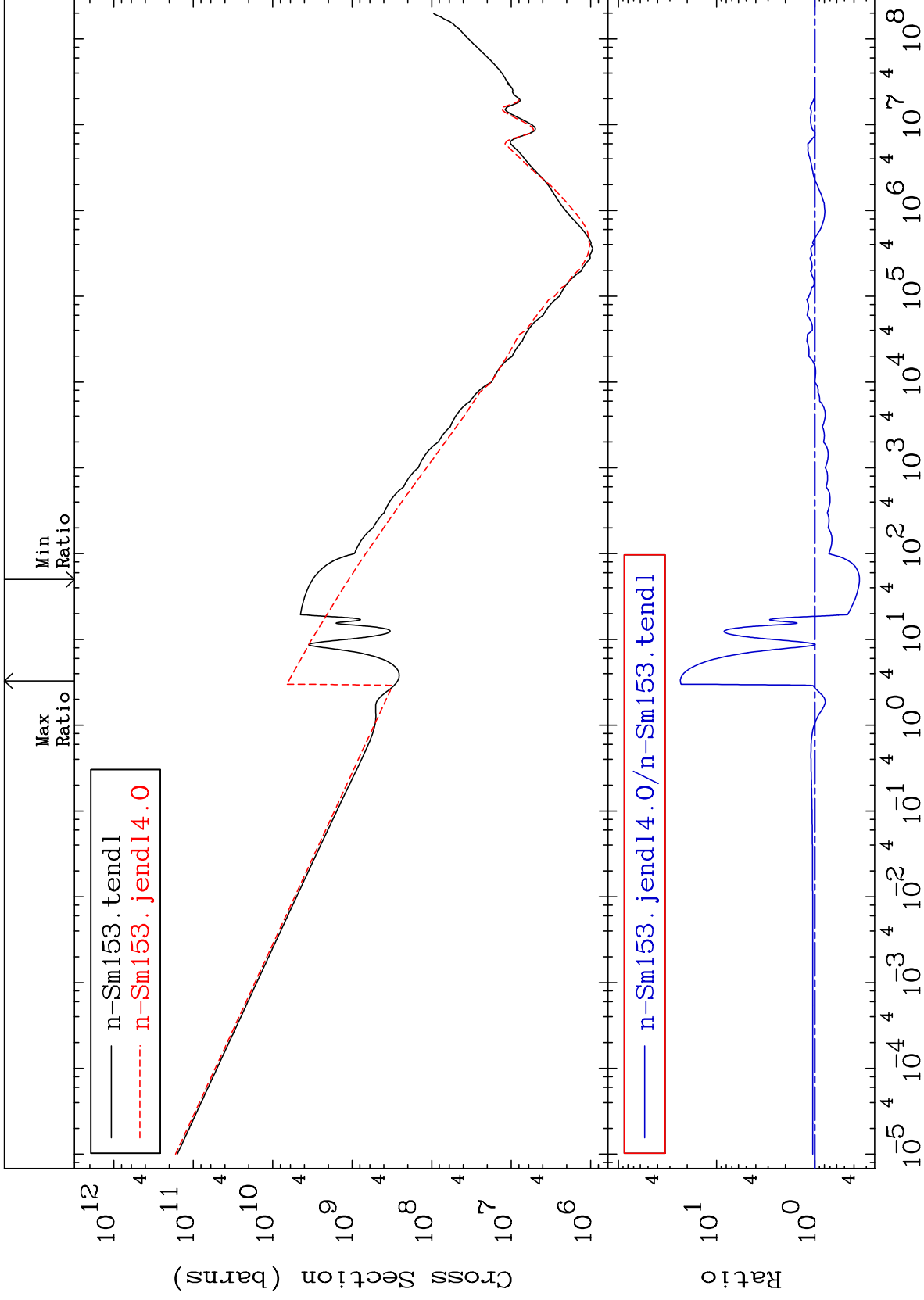


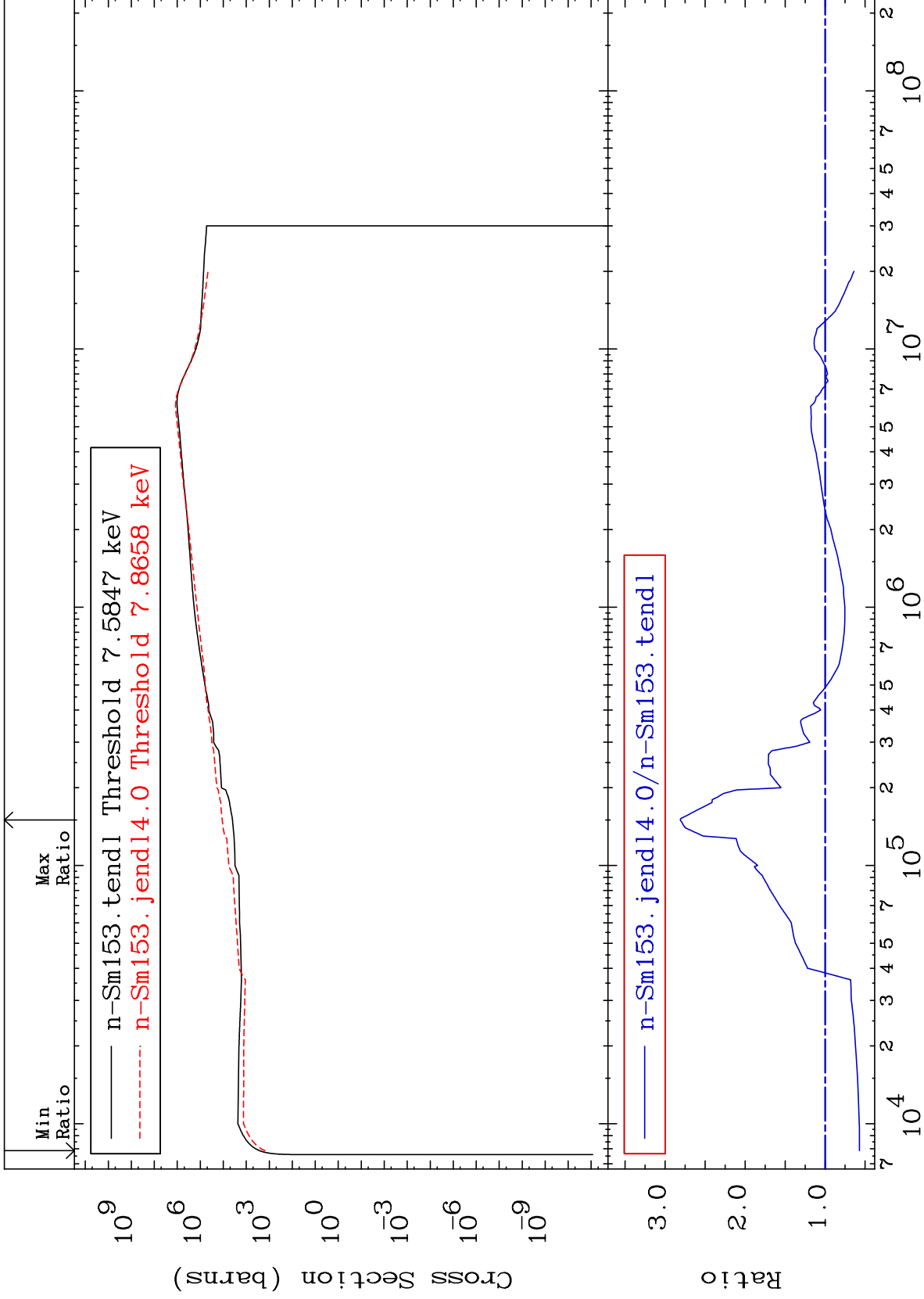
MAT 6252

Kerma elastic
Cross Section

62-Sm-153
-60.19 To 4232. %



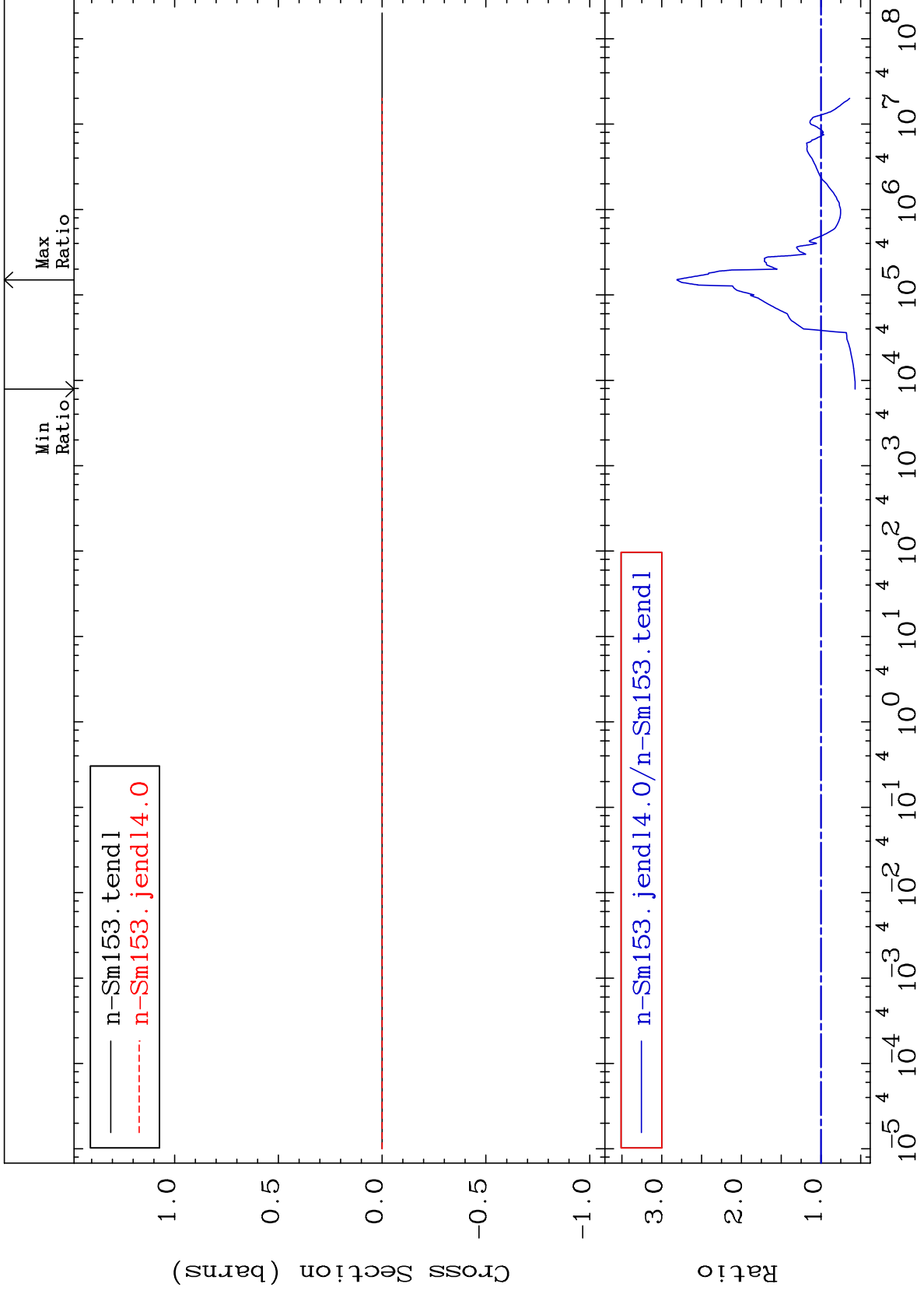




MAT 6252

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

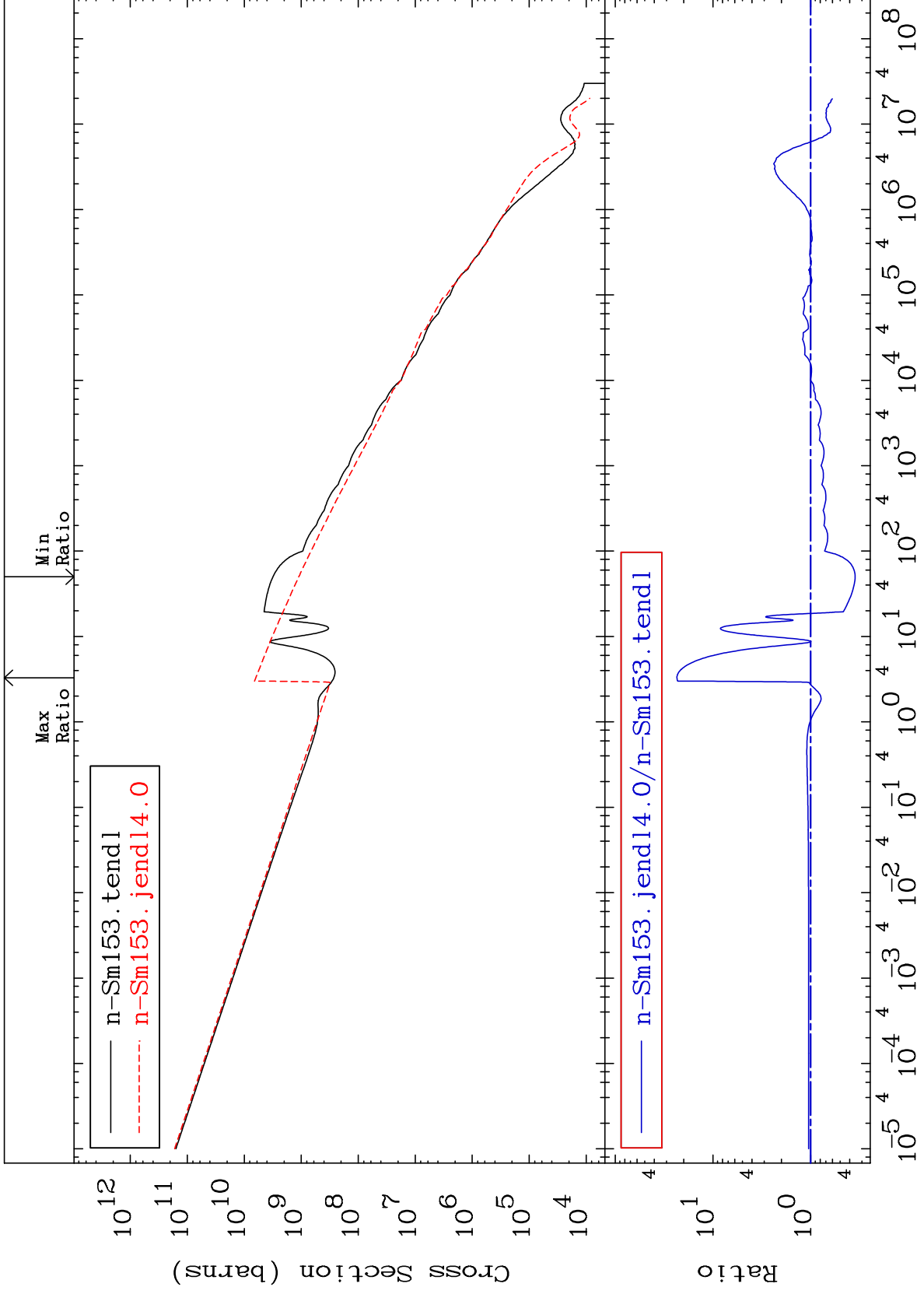
62-Sm-153
-42.86 To 180.9 %

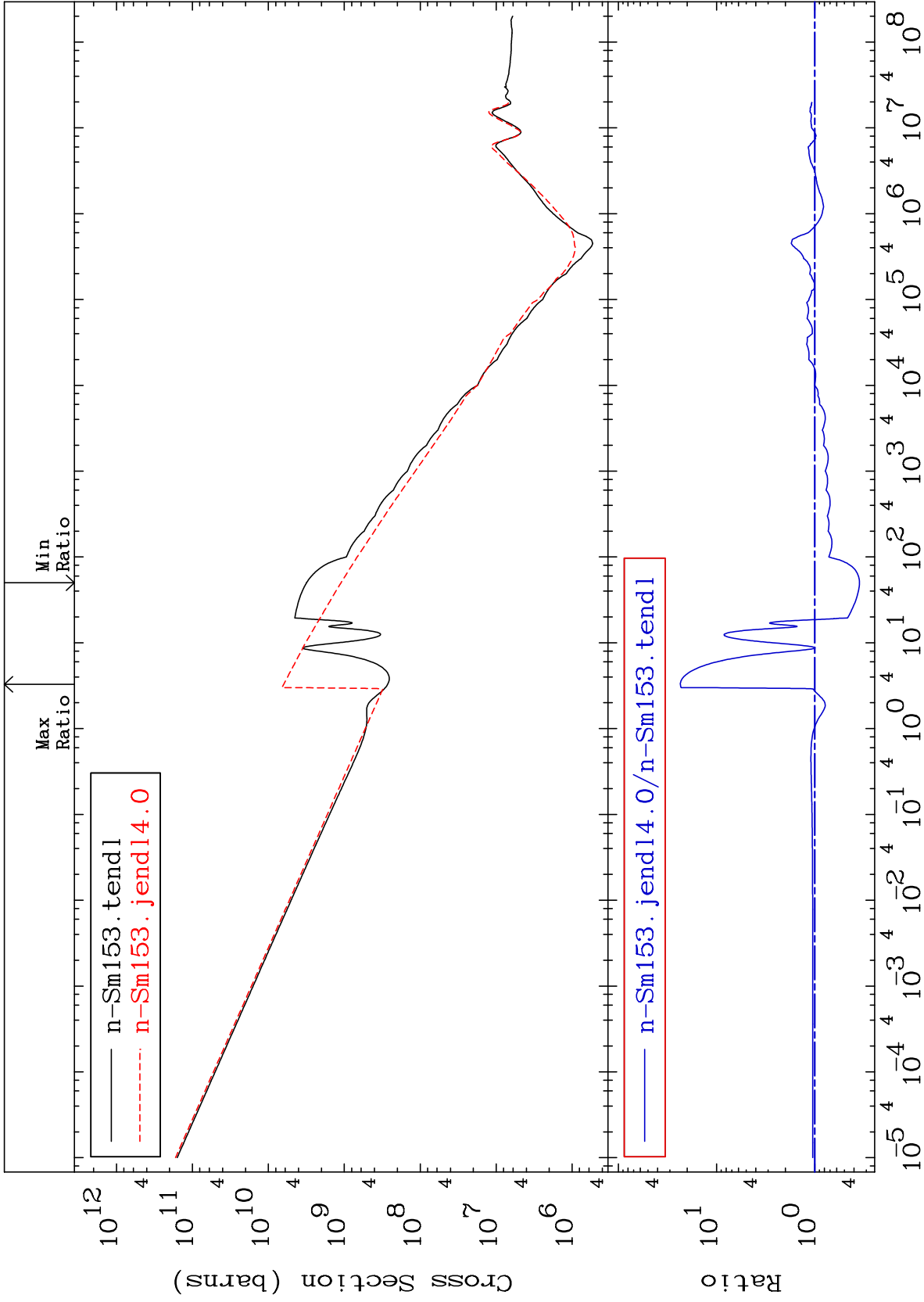


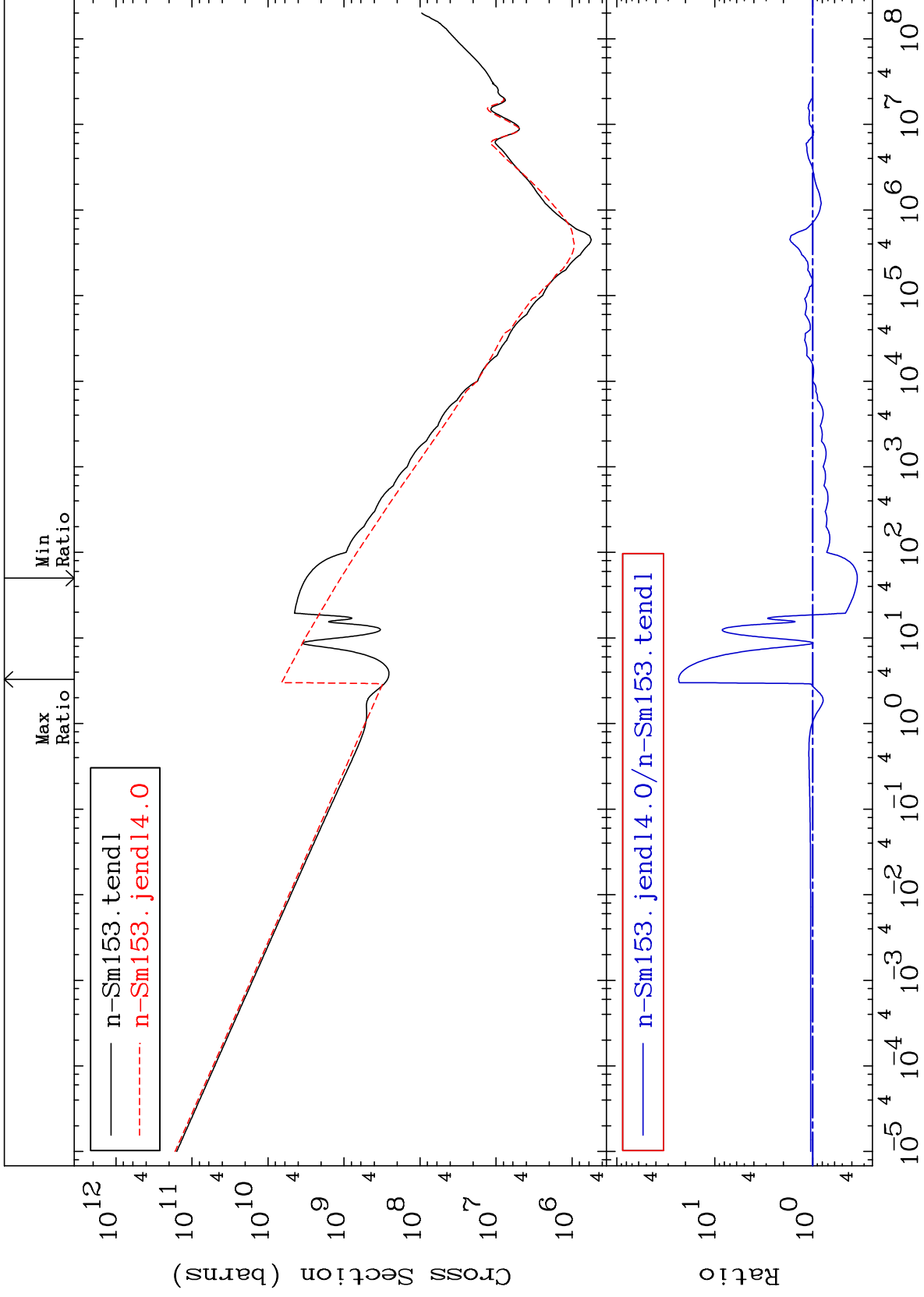
MAT 6252

Kerma capture (mt102)
Cross Section

62-Sm-153
-64.81 To 2243. %







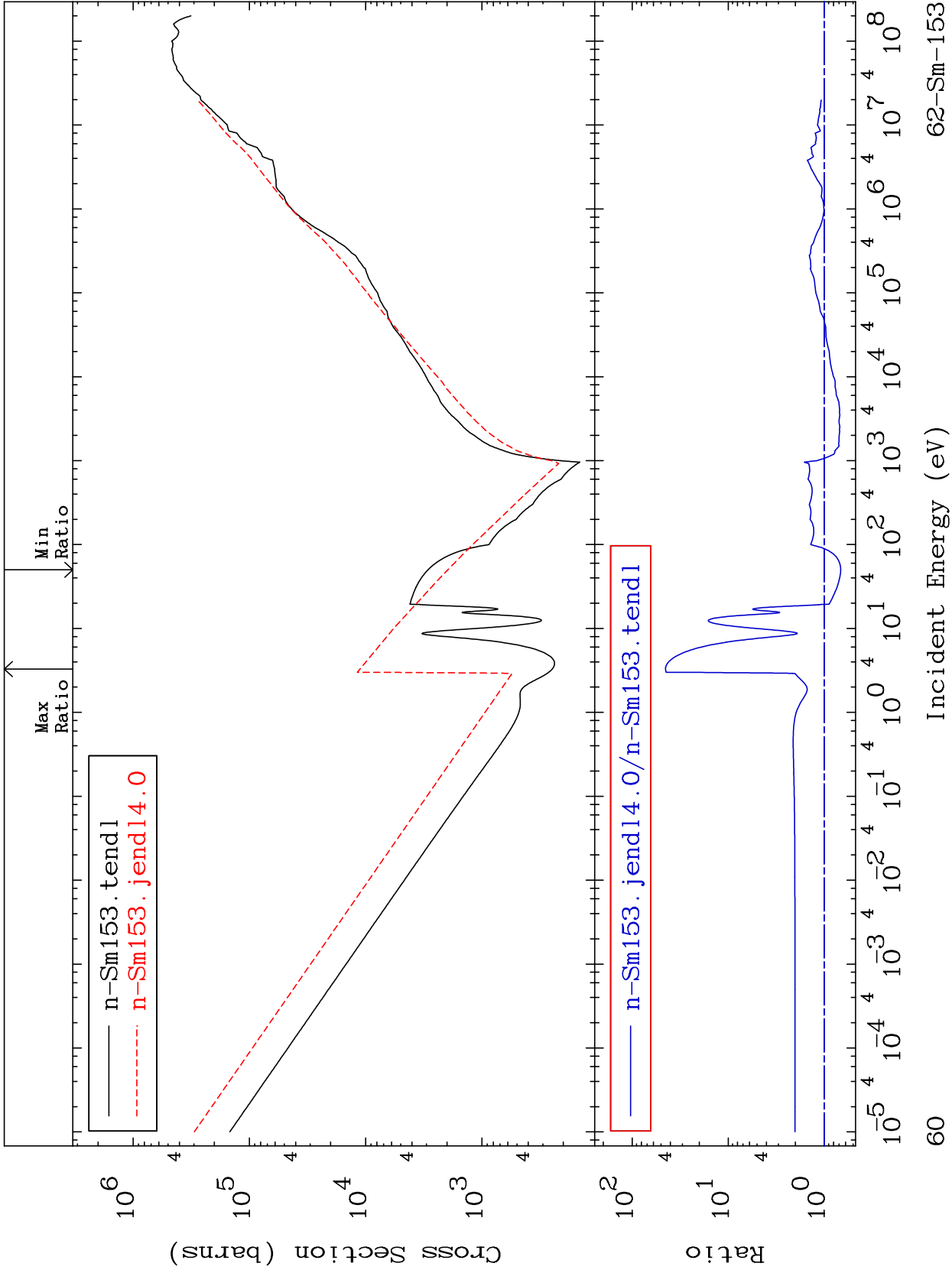
MAT 6252

Dpa total (eV-barns)

62-Sm-153

-32.56 To 4394. %

Cross Section



62-Sm-153

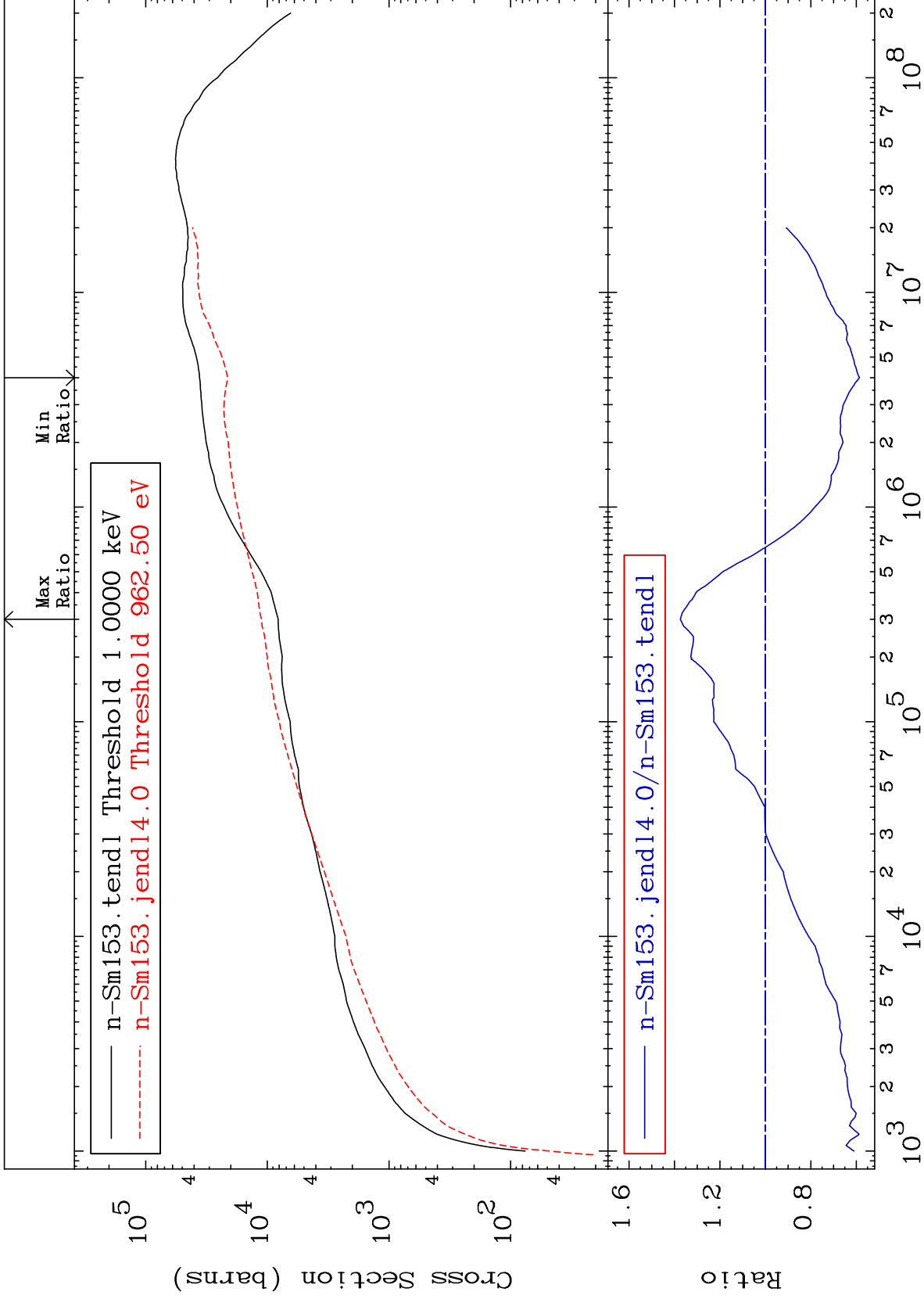
Incident Energy (eV)

60

MAT 6252

Dpa elastic (mt2)
Cross Section

62-Sm-153
-41.40 To 37.39 %



61

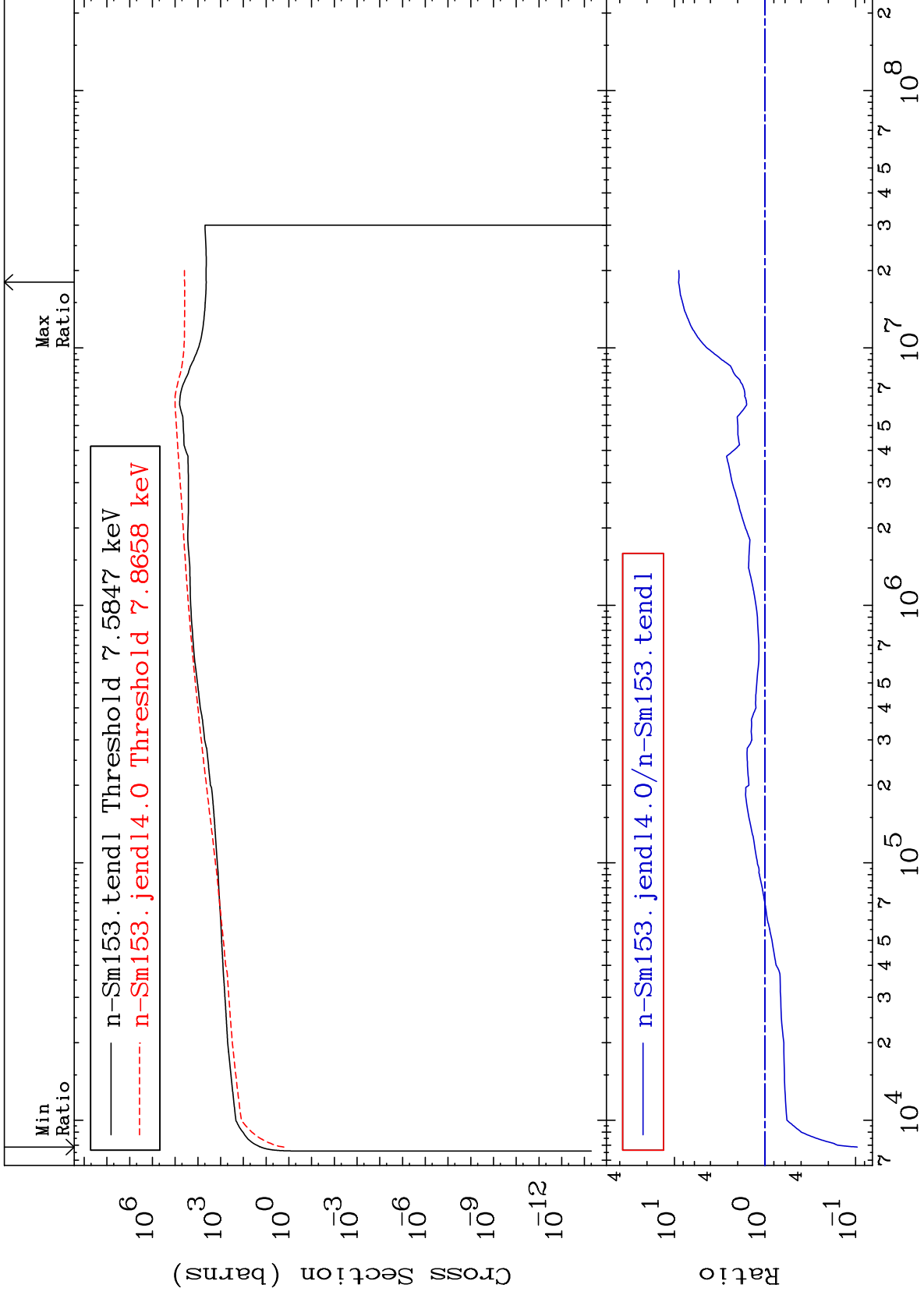
Incident Energy (eV)

62-Sm-153

MAT 6252

Dpa inelastic (mt51-91)
Cross Section

62-Sm-153
-90.40 To 797.0 %



MAT 6252

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-153
-52.53 To 4394. %

