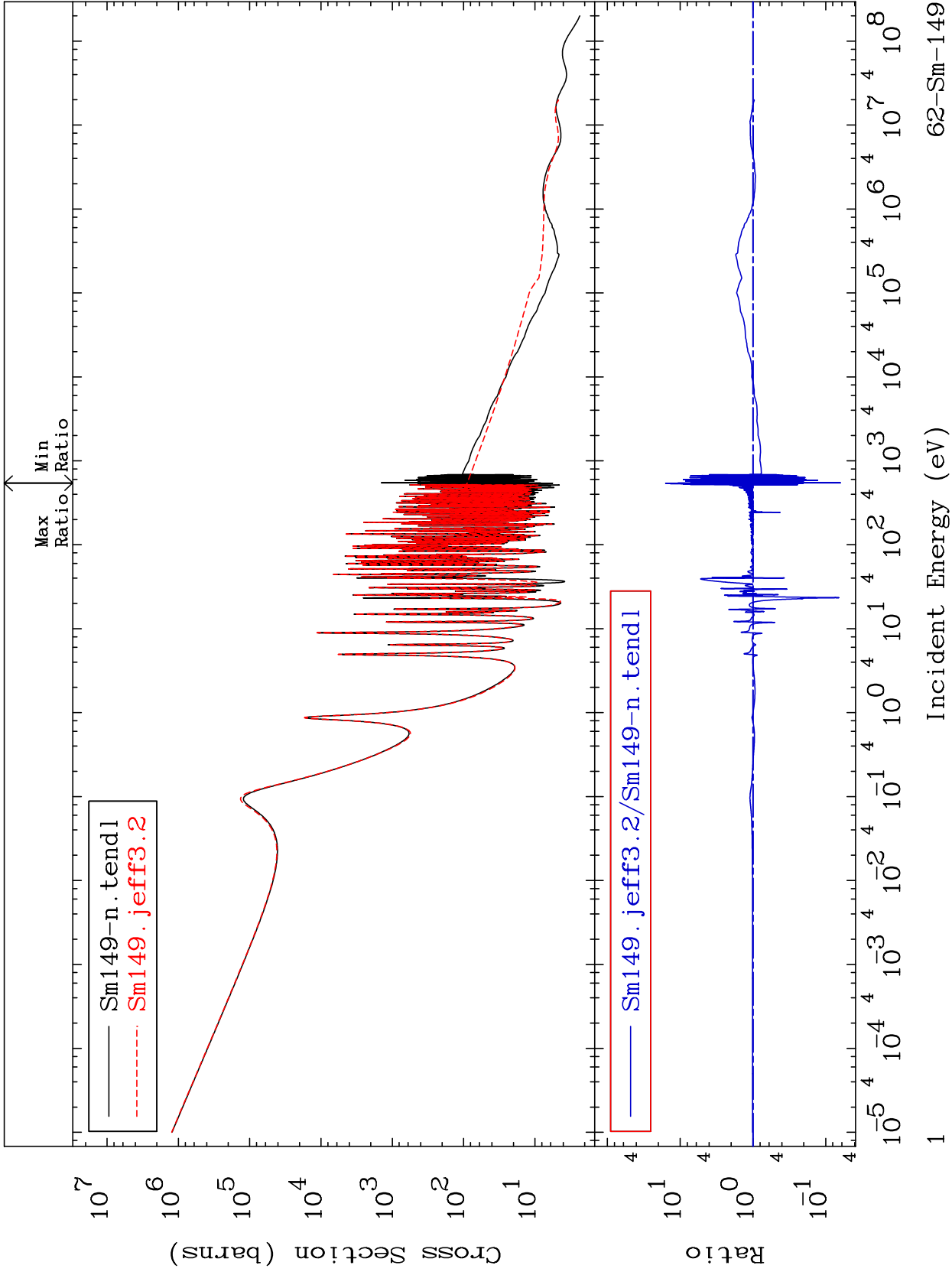


MAT 6240

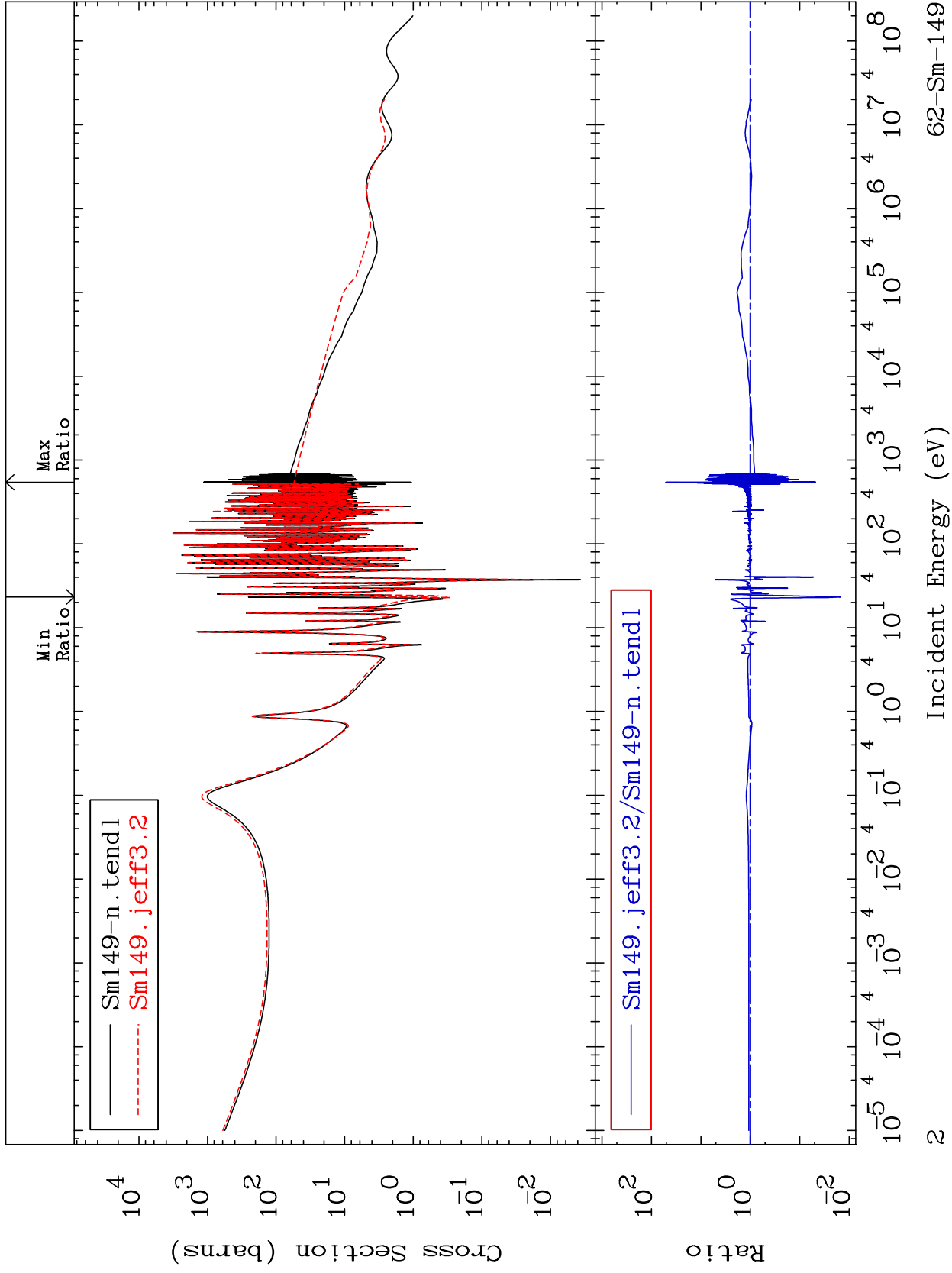
Total Cross Section
62-Sm-149
-93.76 To 1489. %



62-Sm-149

MAT 6240

Elastic Cross Section
62-Sm-149
-98.53 To 4980. %



62-Sm-149

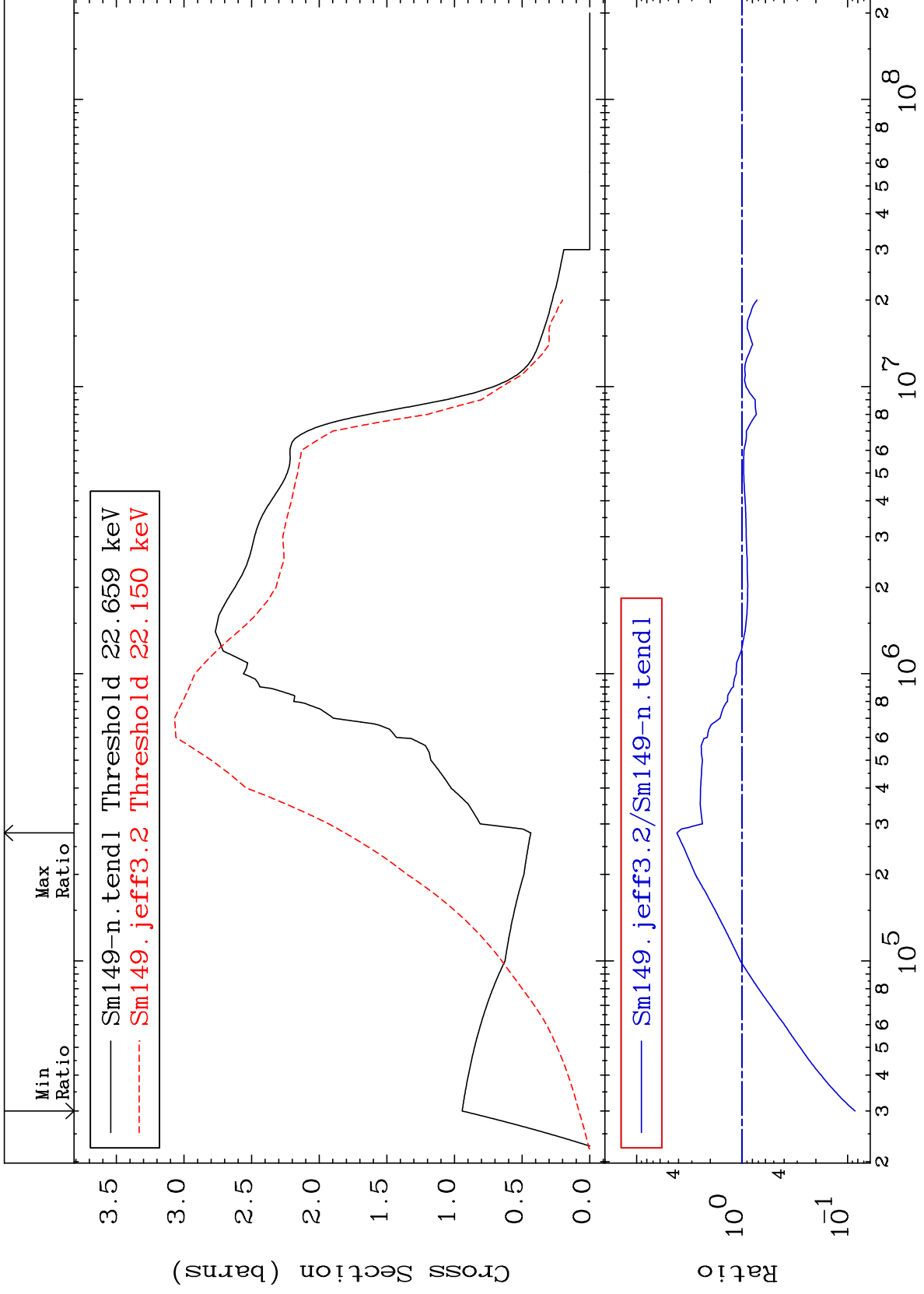
Incident Energy (eV)

2

MAT 6240

Inelastic
Cross Section

62-Sm-149
-91.52 To 315.1 %



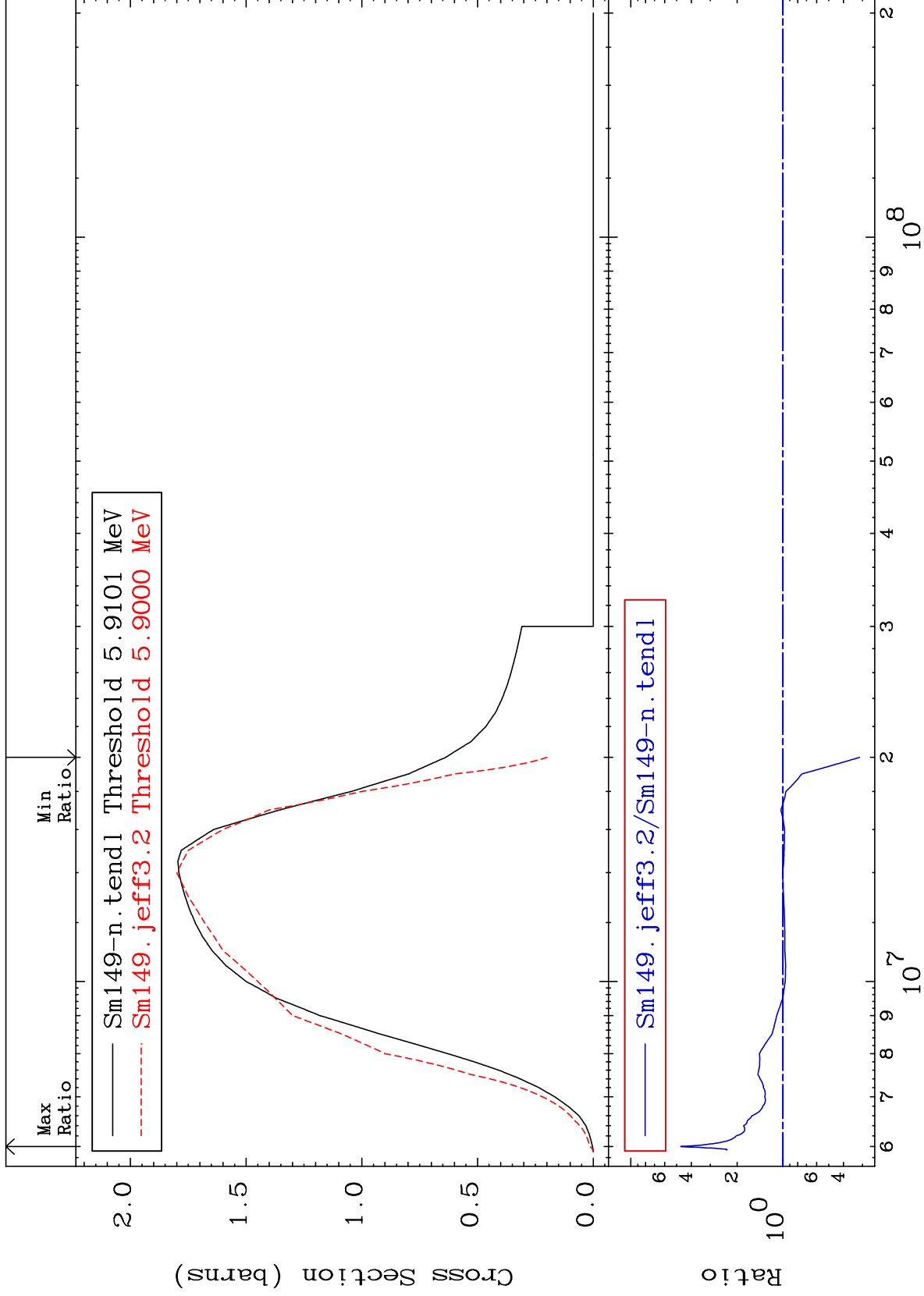
MAT 6240

(n,2n)

62-Sm-149

Cross Section

-68.64 To 369.7 %



4

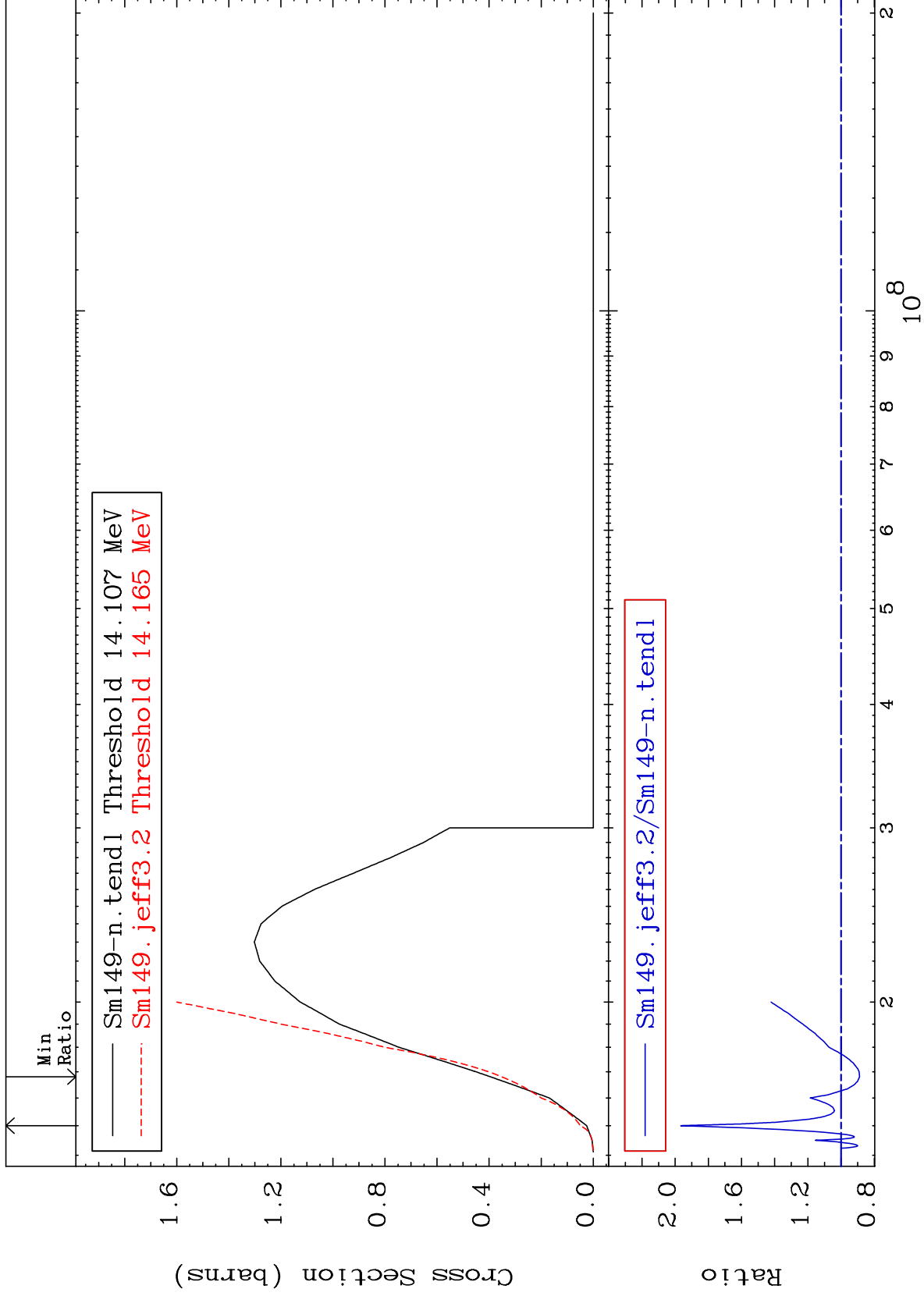
62-Sm-149

62-Sm-149

MAT 6240

(n,3n)
Cross Section

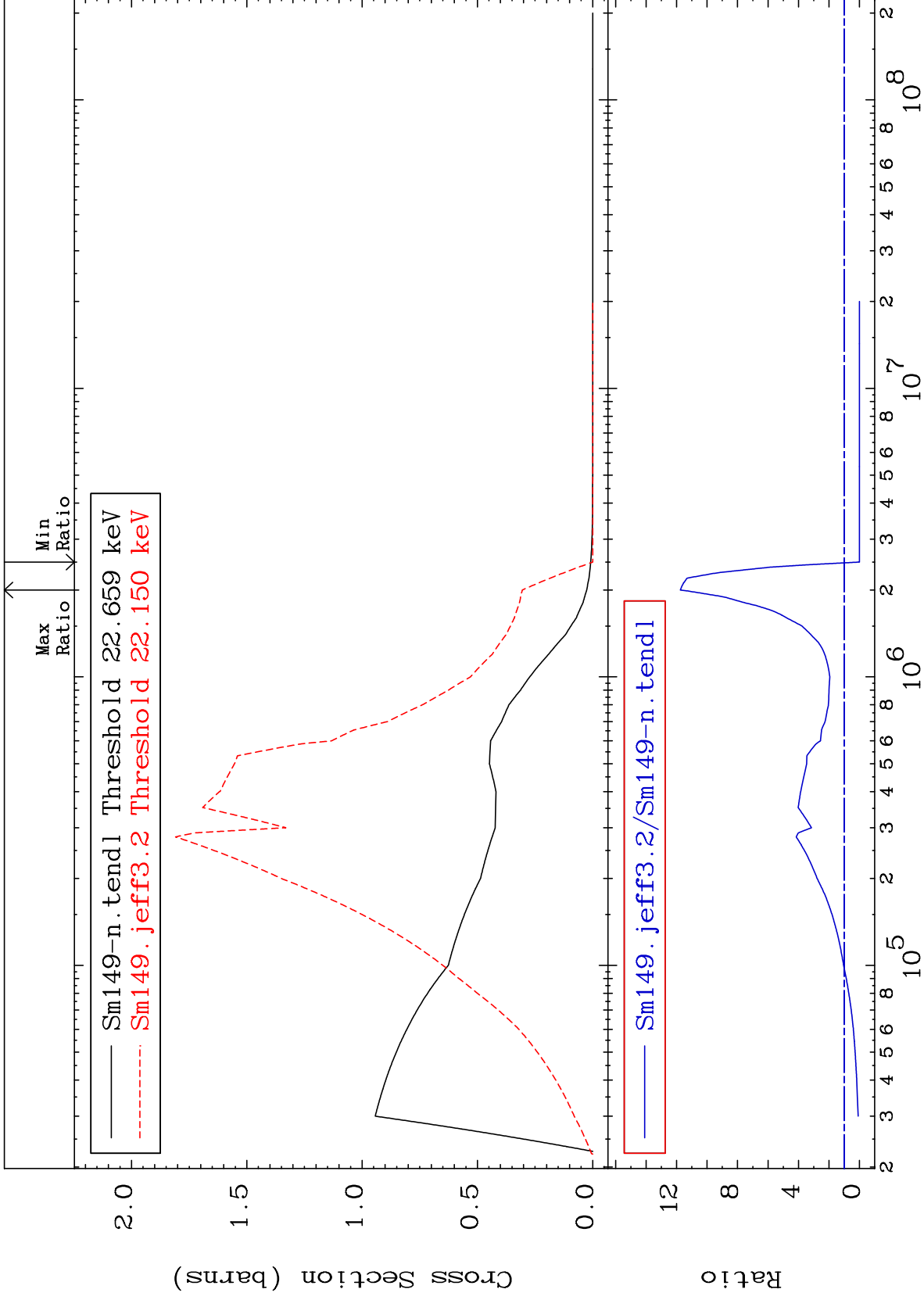
62-Sm-149
-11.14 To 96.62 %



MAT 6240

22.51 keV (n,n') Level
Cross Section

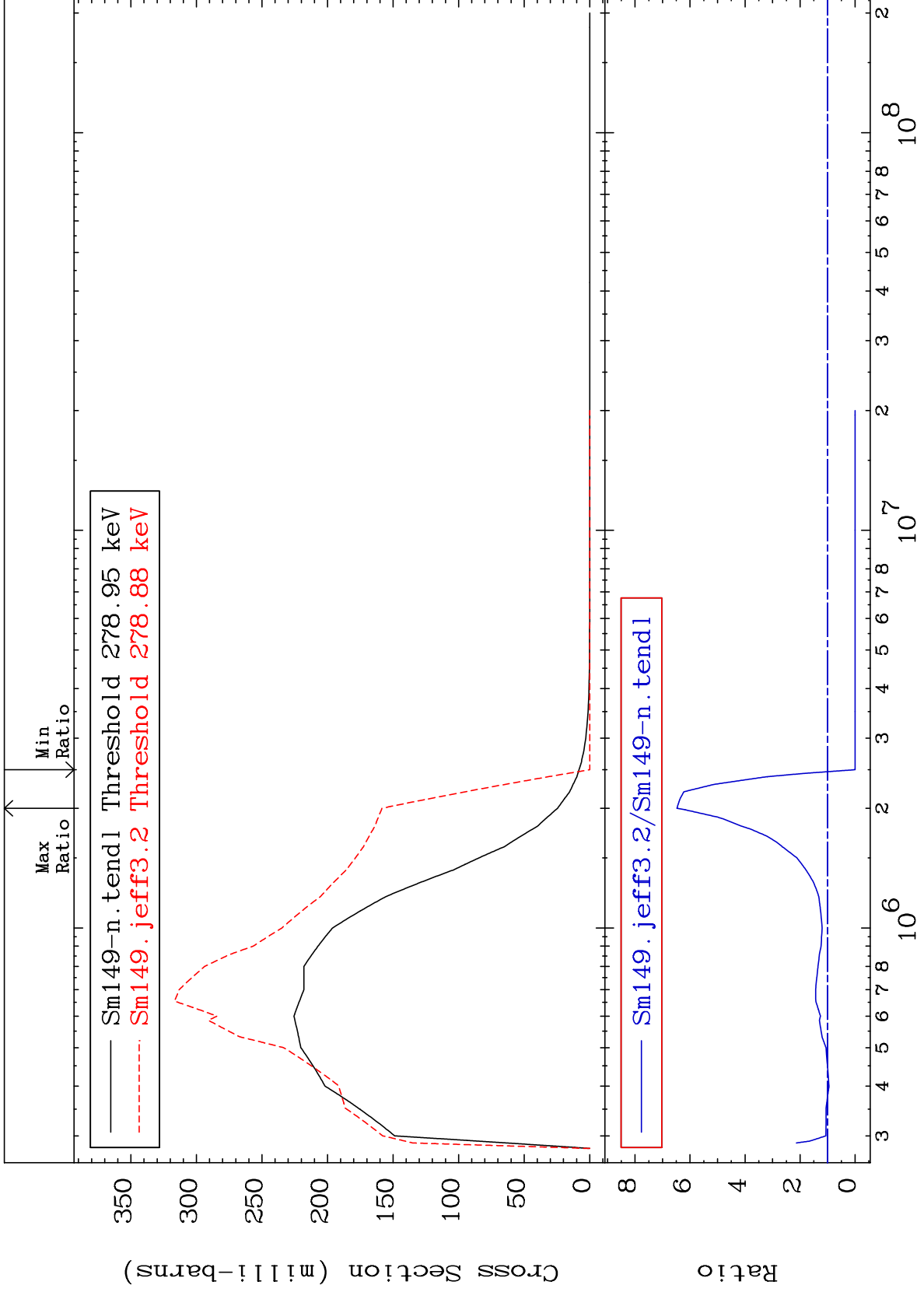
62-Sm-149
-100.0 To 1075. %



MAT 6240

277.1 keV (n,n') Level
Cross Section

62-Sm-149
-100.0 To 547.7 %



7

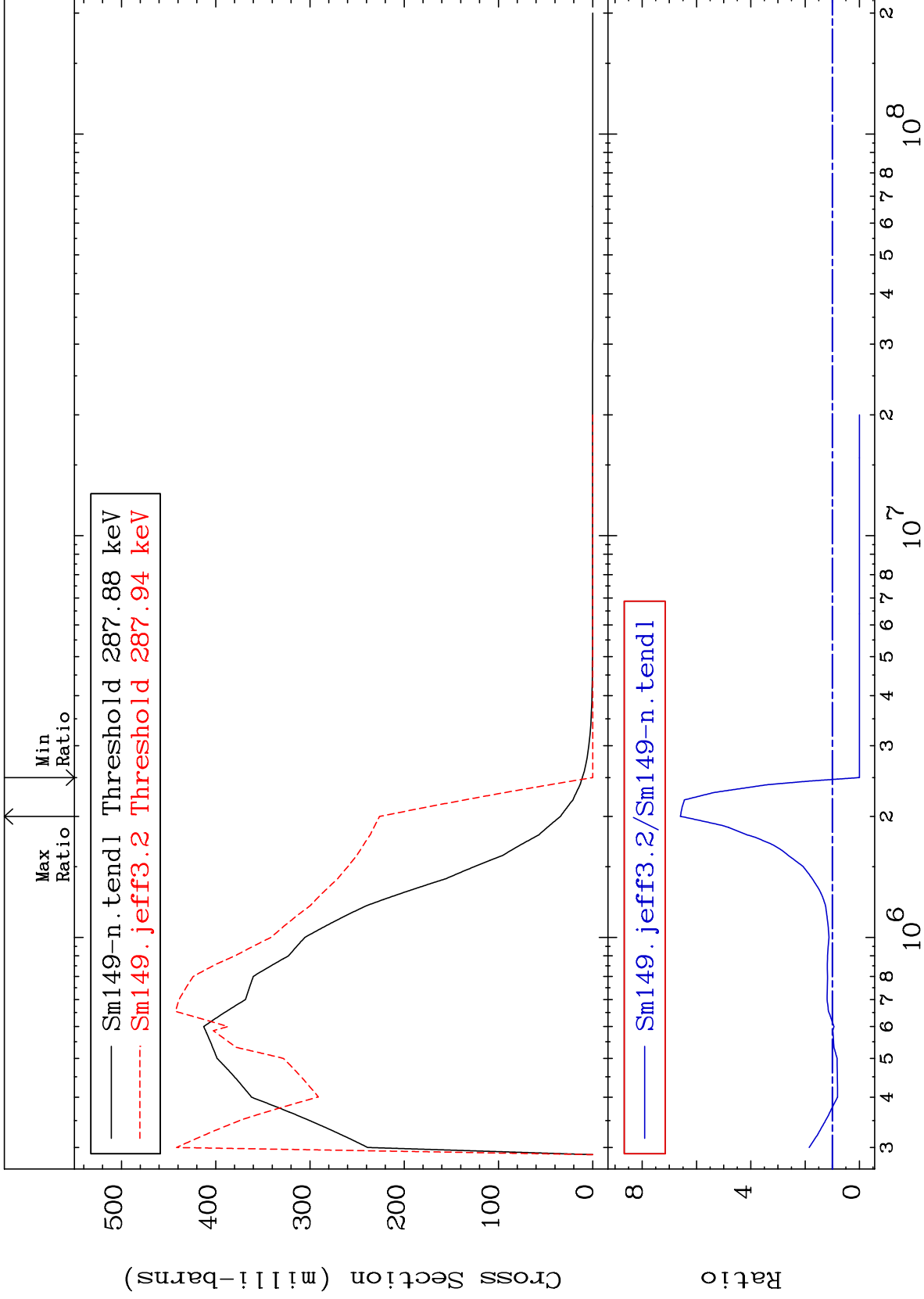
Incident Energy (eV)

62-Sm-149

MAT 6240

285.9 keV (n,n') Level
Cross Section

62-Sm-149
-100.0 To 559.4 %



8

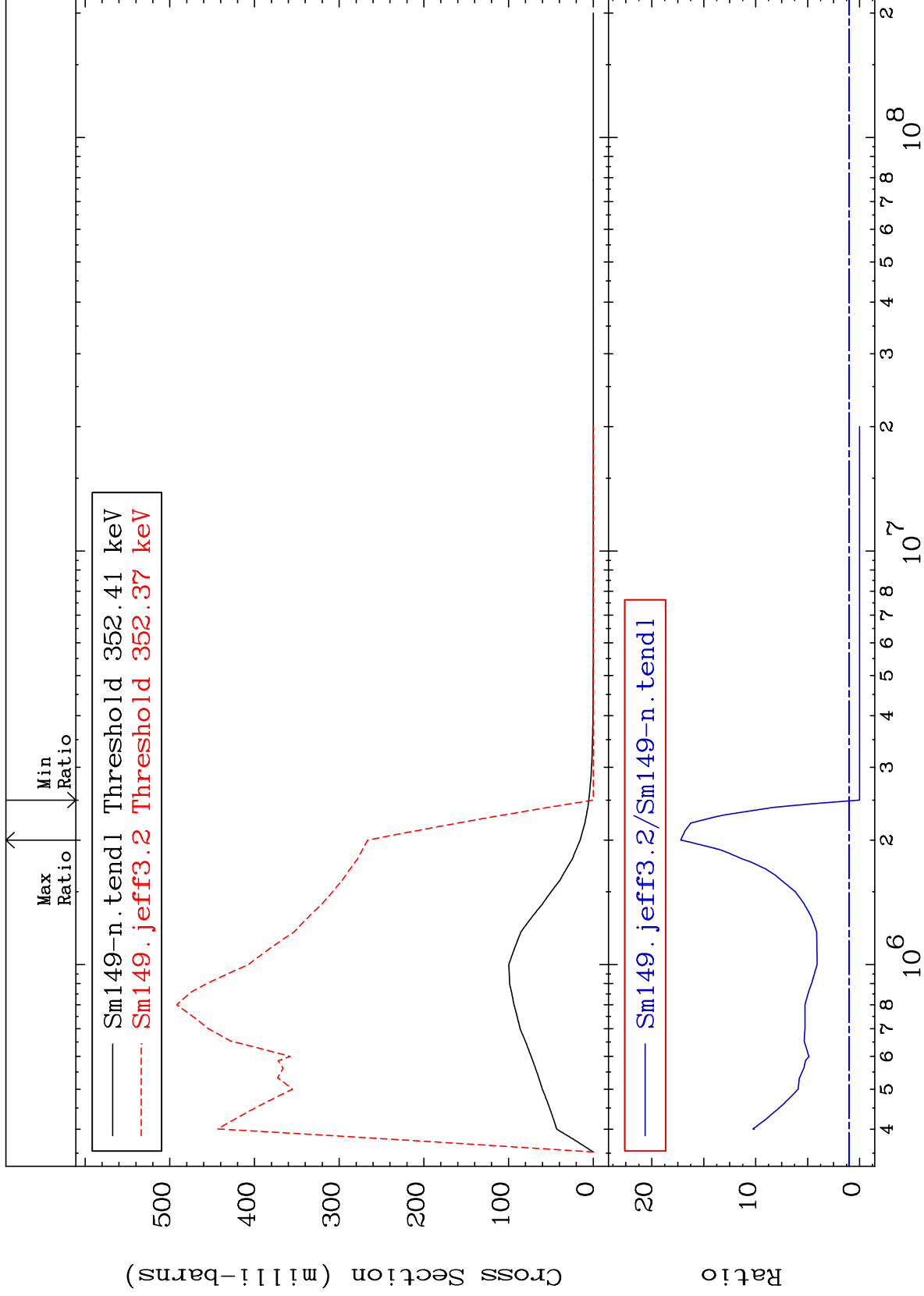
Incident Energy (eV)

62-Sm-149

MAT 6240

350.0 keV (n,n') Level
Cross Section

62-Sm-149
-100.0 To 1621. %



9

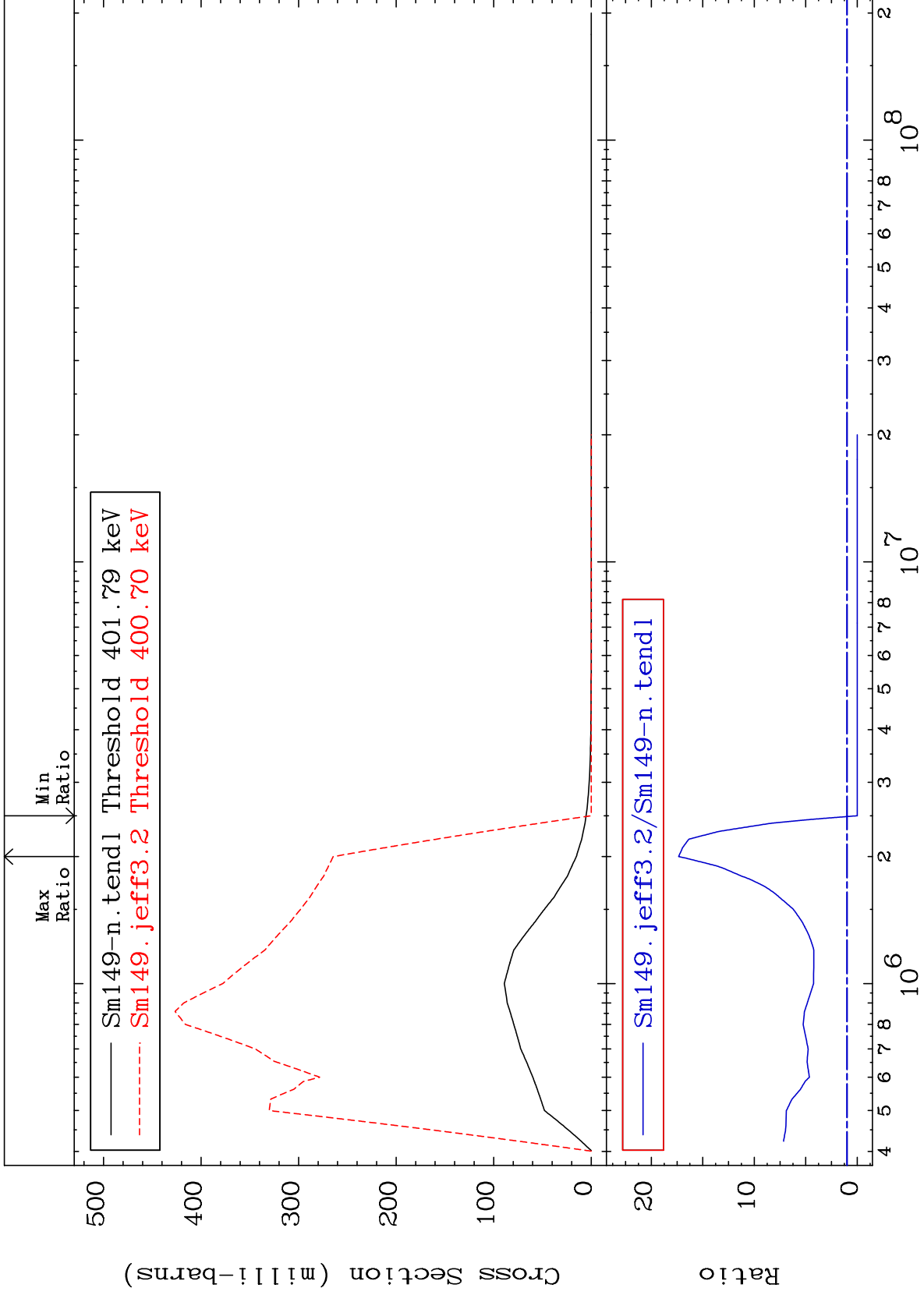
Incident Energy (eV)

62-Sm-149

MAT 6240

399.1 keV (n,n') Level
Cross Section

62-Sm-149
-100.0 To 1634. %



Sm149-n.tendl Threshold 401.79 keV
Sm149.jeff3.2 Threshold 400.70 keV

Sm149.jeff3.2/Sm149-n.tendl

10

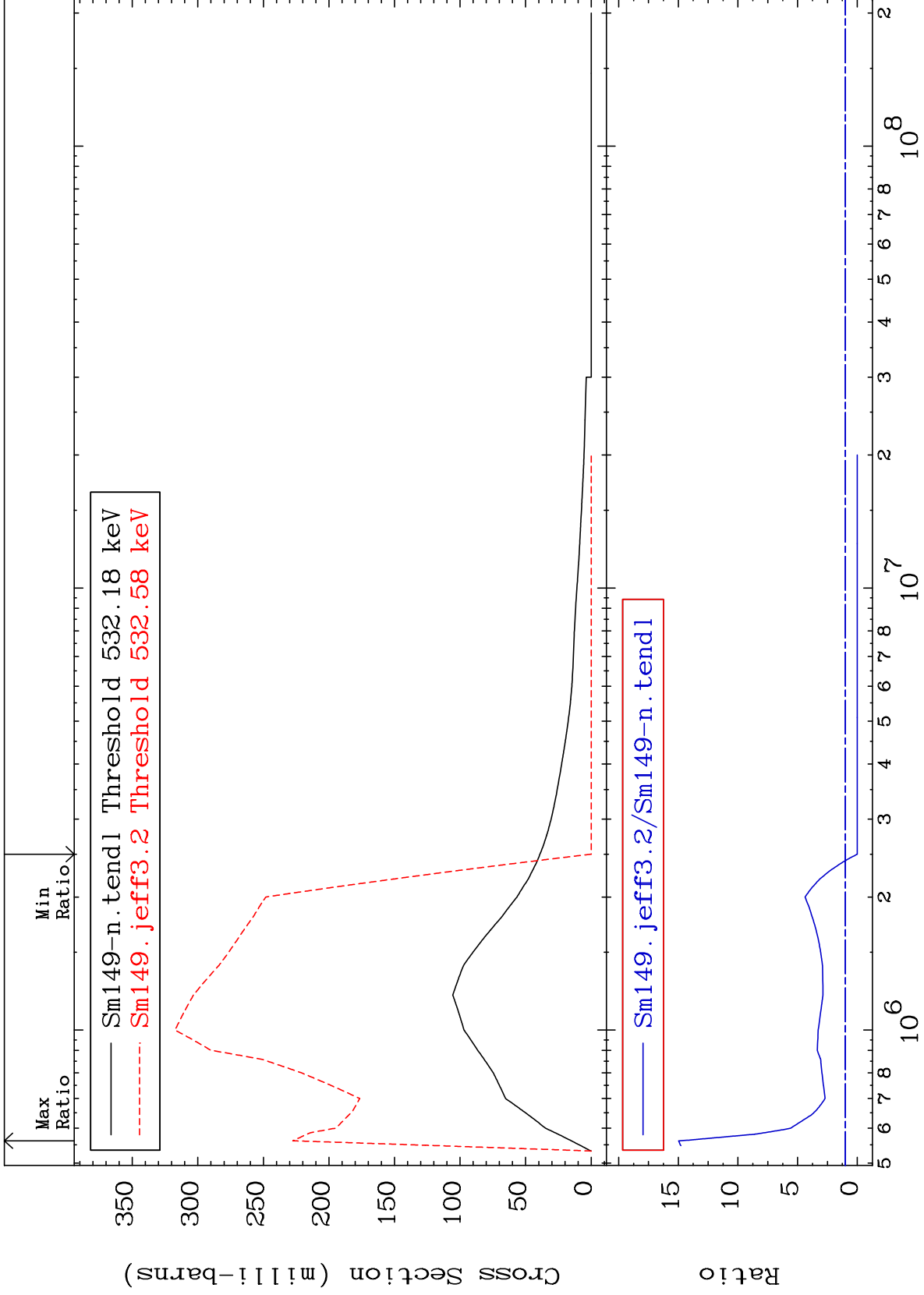
Incident Energy (eV)

62-Sm-149

MAT 6240

528.6 keV (n,n') Level
Cross Section

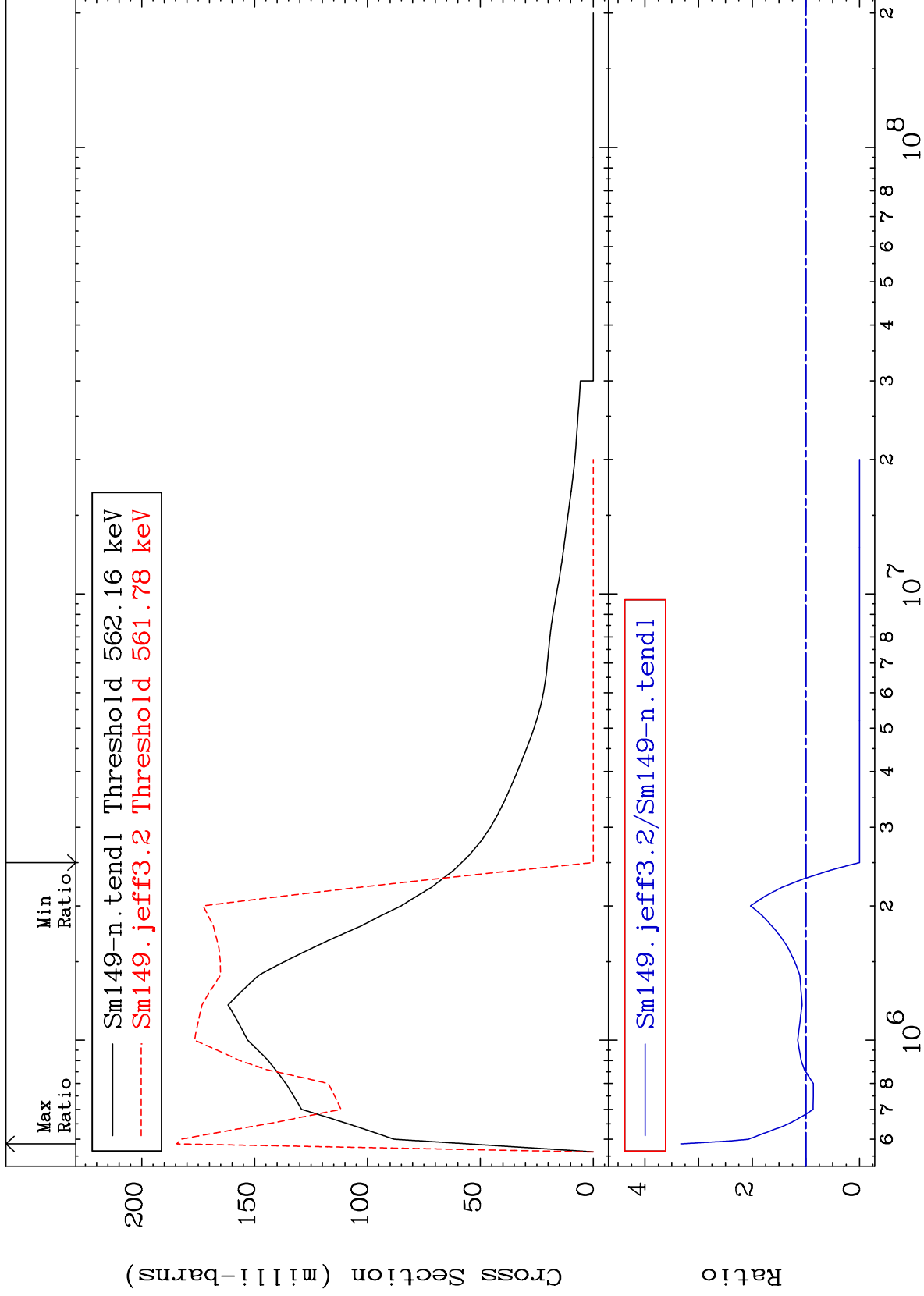
62-Sm-149
-100.0 To 1397. %



MAT 6240

558.4 keV (n,n') Level
Cross Section

62-Sm-149
-100.0 To 233.2 %



12

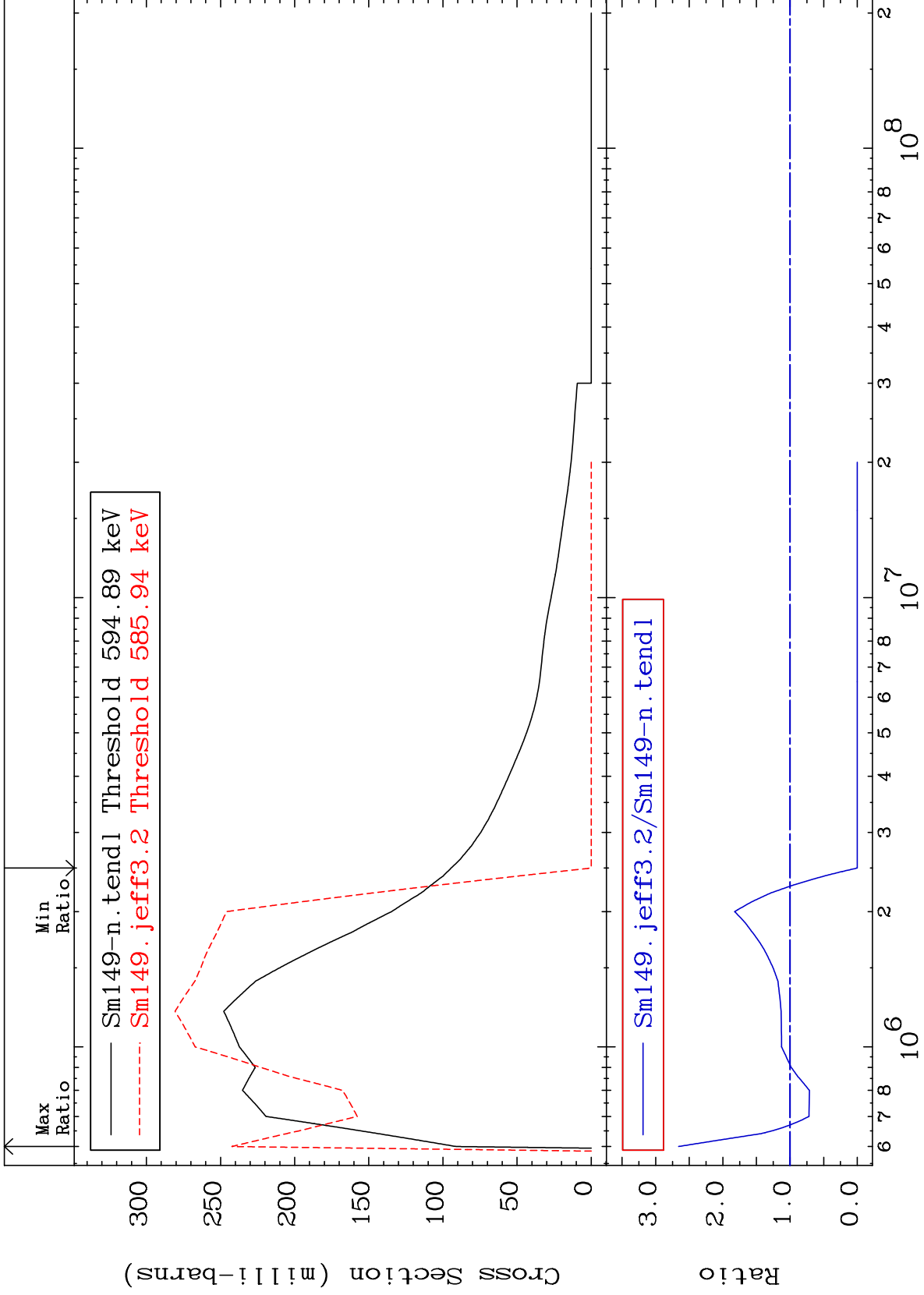
Incident Energy (eV)

62-Sm-149

MAT 6240

590.9 keV (n,n') Level
Cross Section

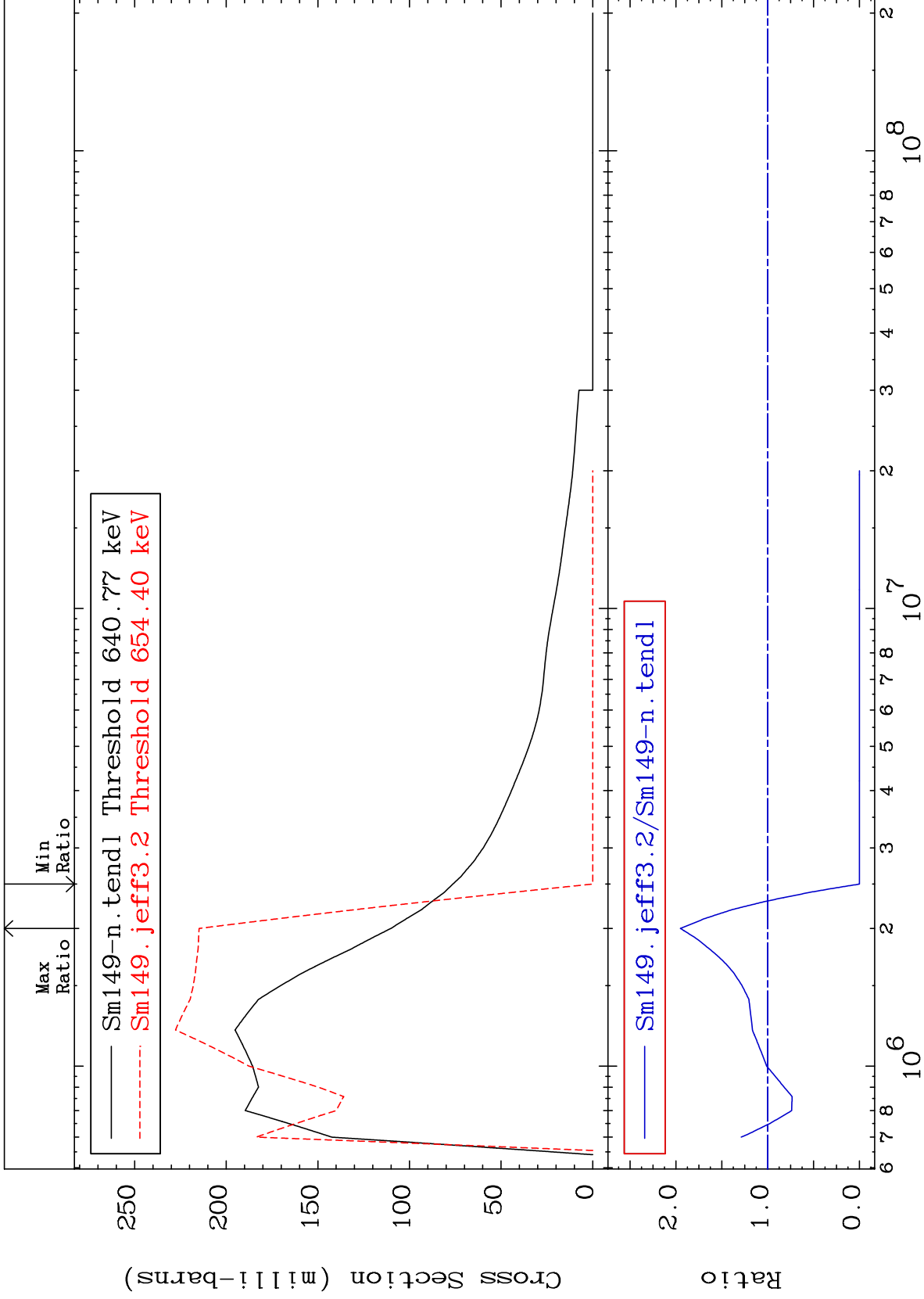
62-Sm-149
-100.0 To 165.9 %



MAT 6240

636.5 keV (n,n') Level
Cross Section

62-Sm-149
-100.0 To 95.10 %



14

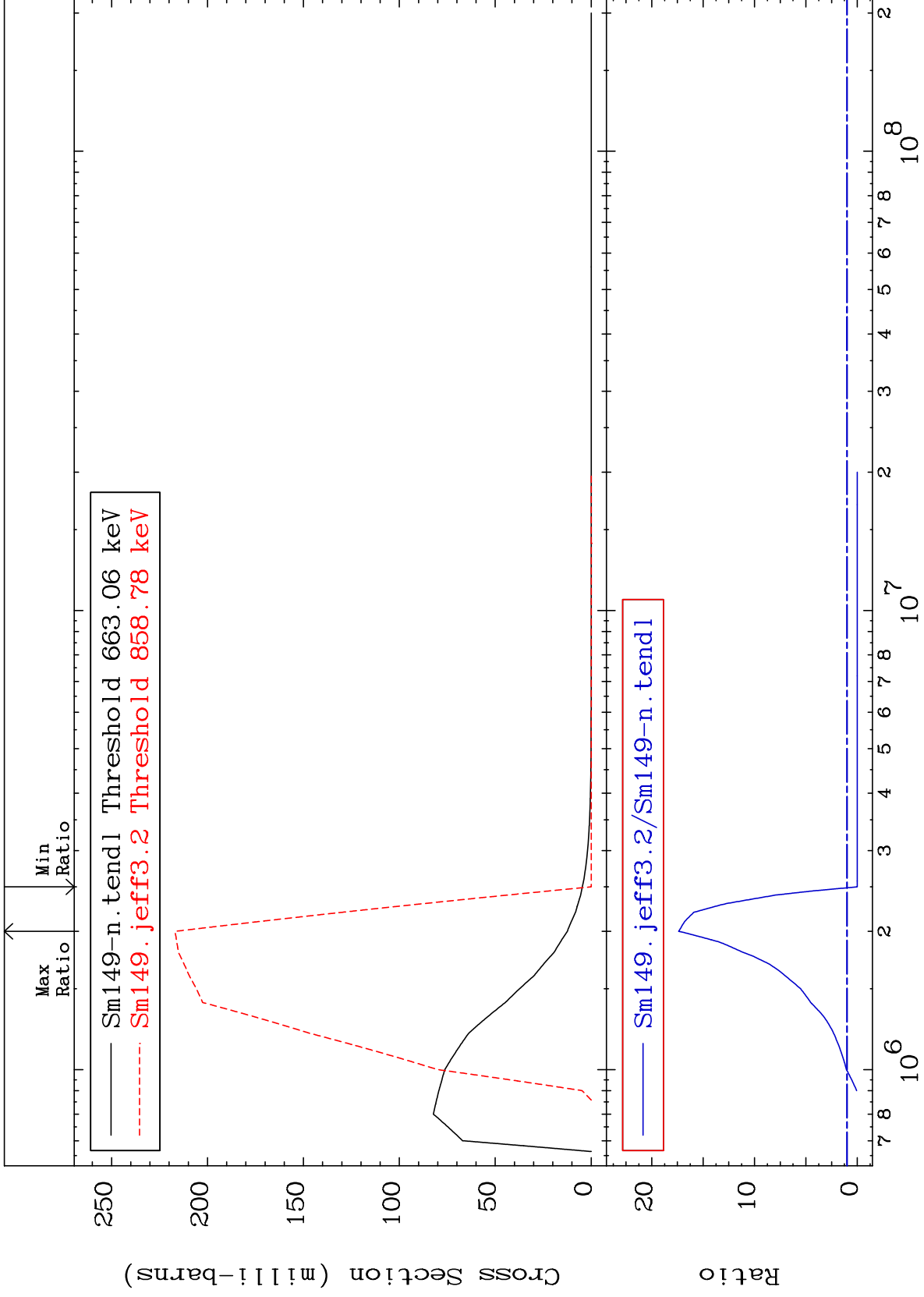
Incident Energy (eV)

62-Sm-149

MAT 6240

658.6 keV (n,n') Level
Cross Section

62-Sm-149
-100.0 To 1638. %



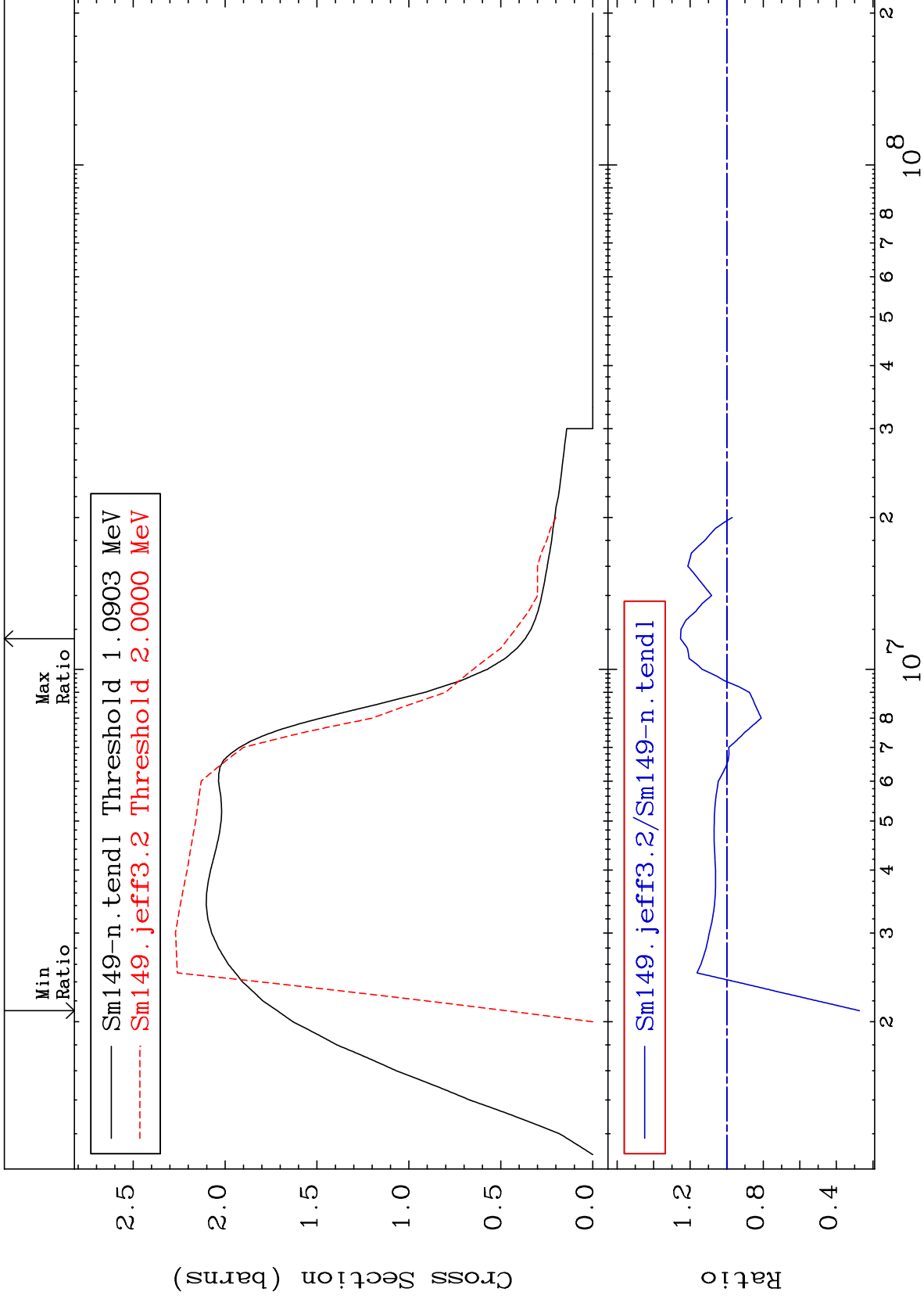
15

62-Sm-149

MAT 6240

(n, n') Continuum
Cross Section

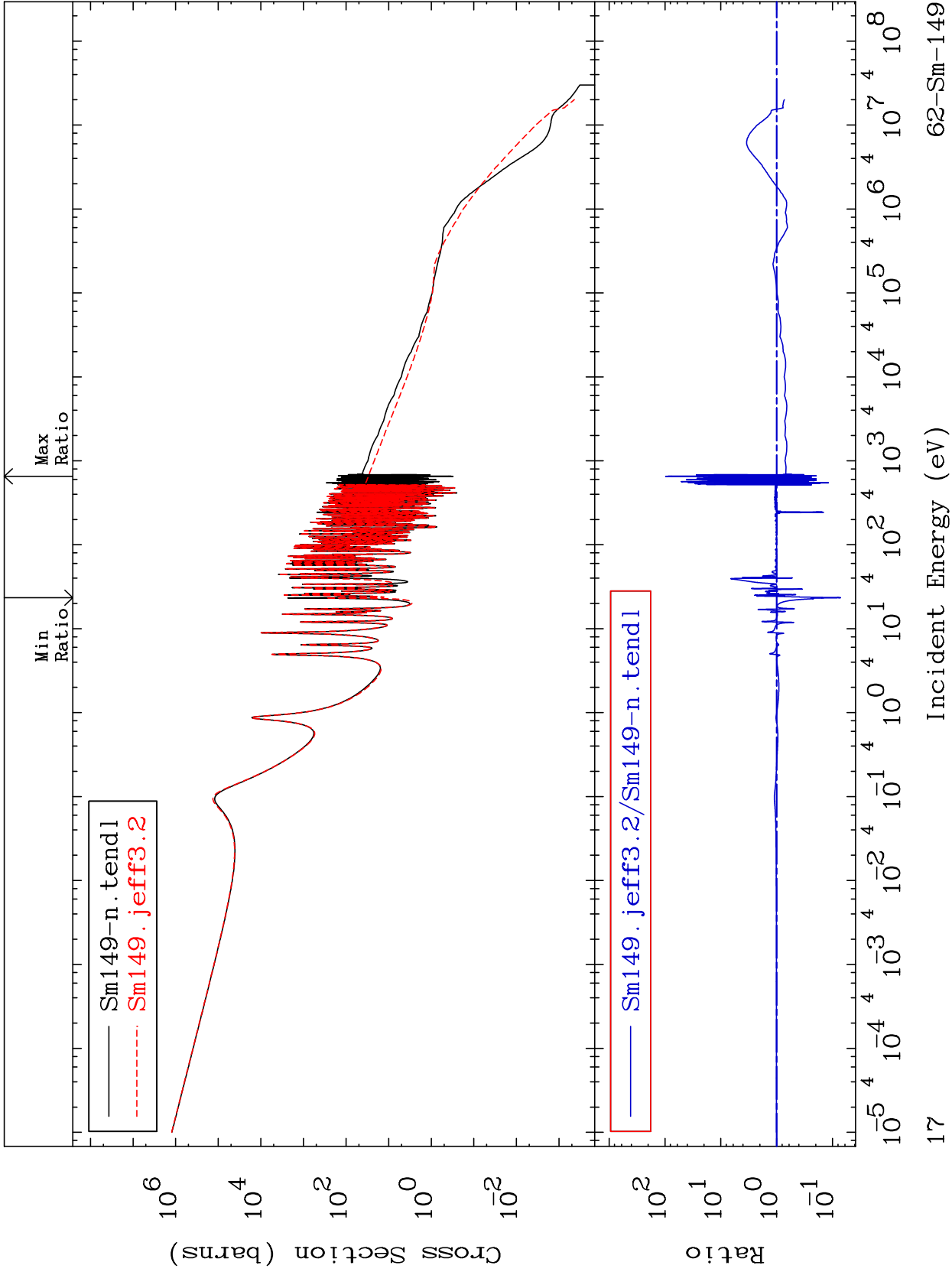
62-Sm-149
-72.62 To 25.38 %



MAT 6240

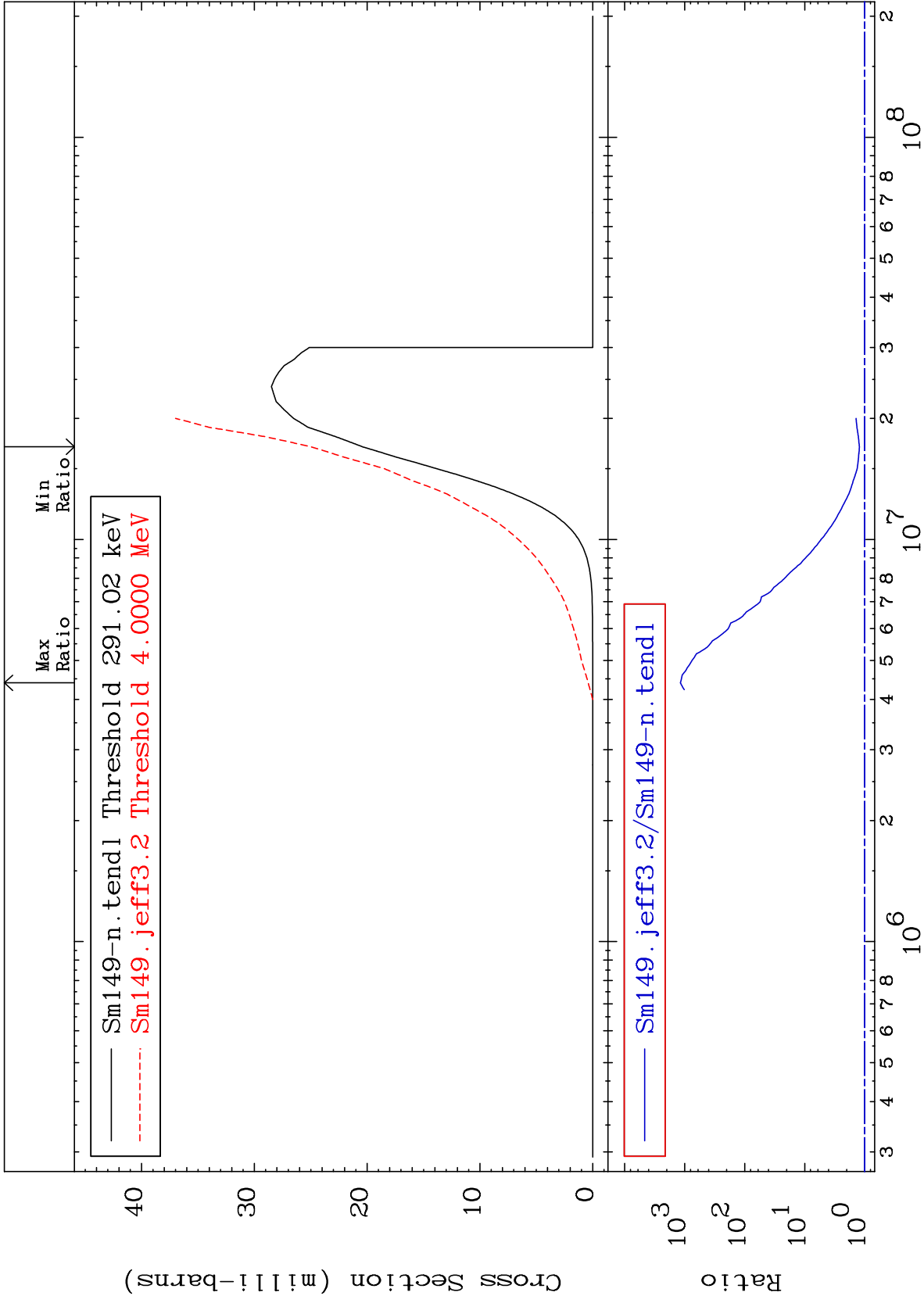
62-Sm-149
-92.86 To 9684. %

(n, γ)
Cross Section



MAT 6240

(n,p)
Cross Section
62-Sm-149
22.42 To 9999. %



18

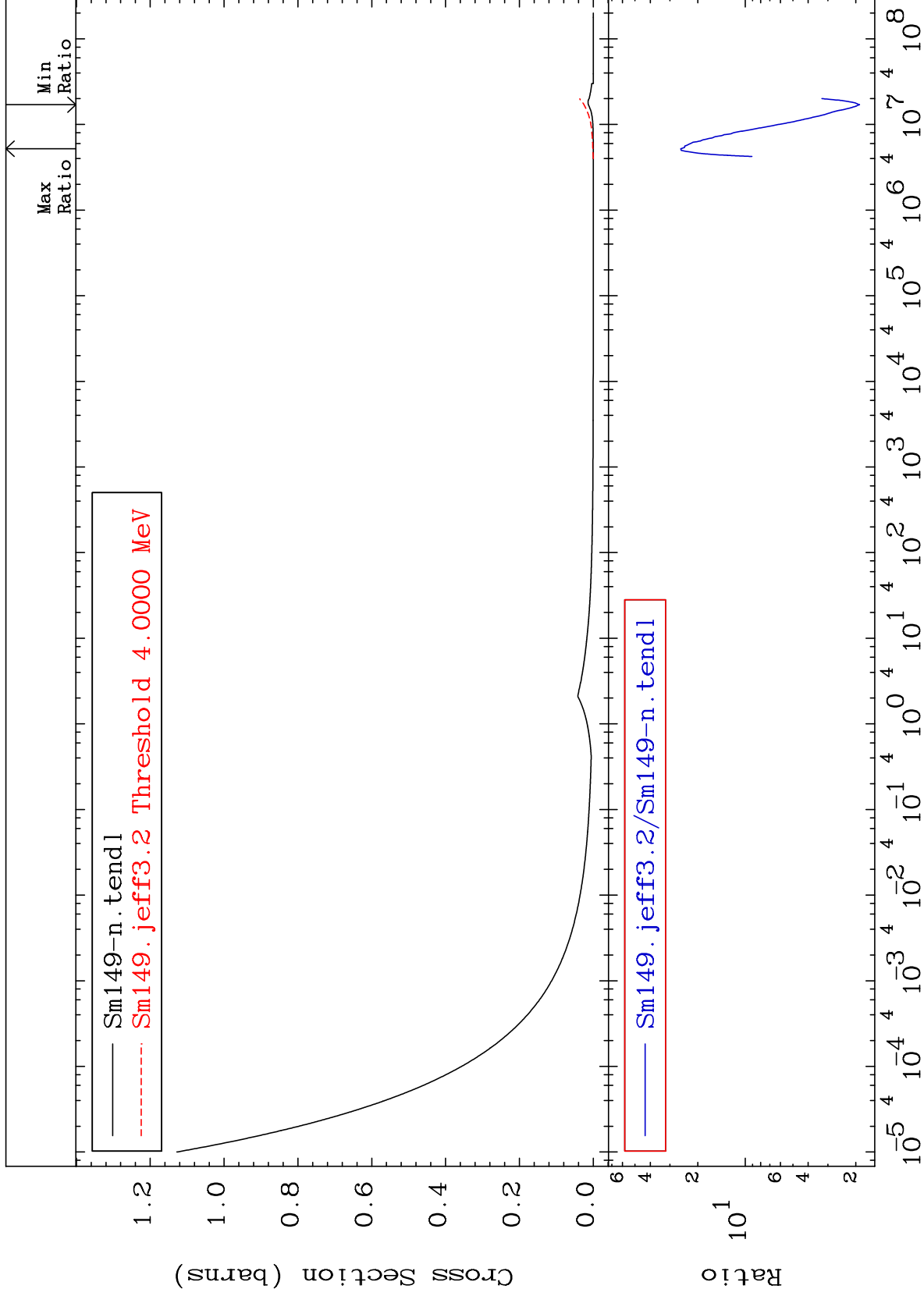
Incident Energy (eV)

62-Sm-149

MAT 6240

(n, α)
Cross Section

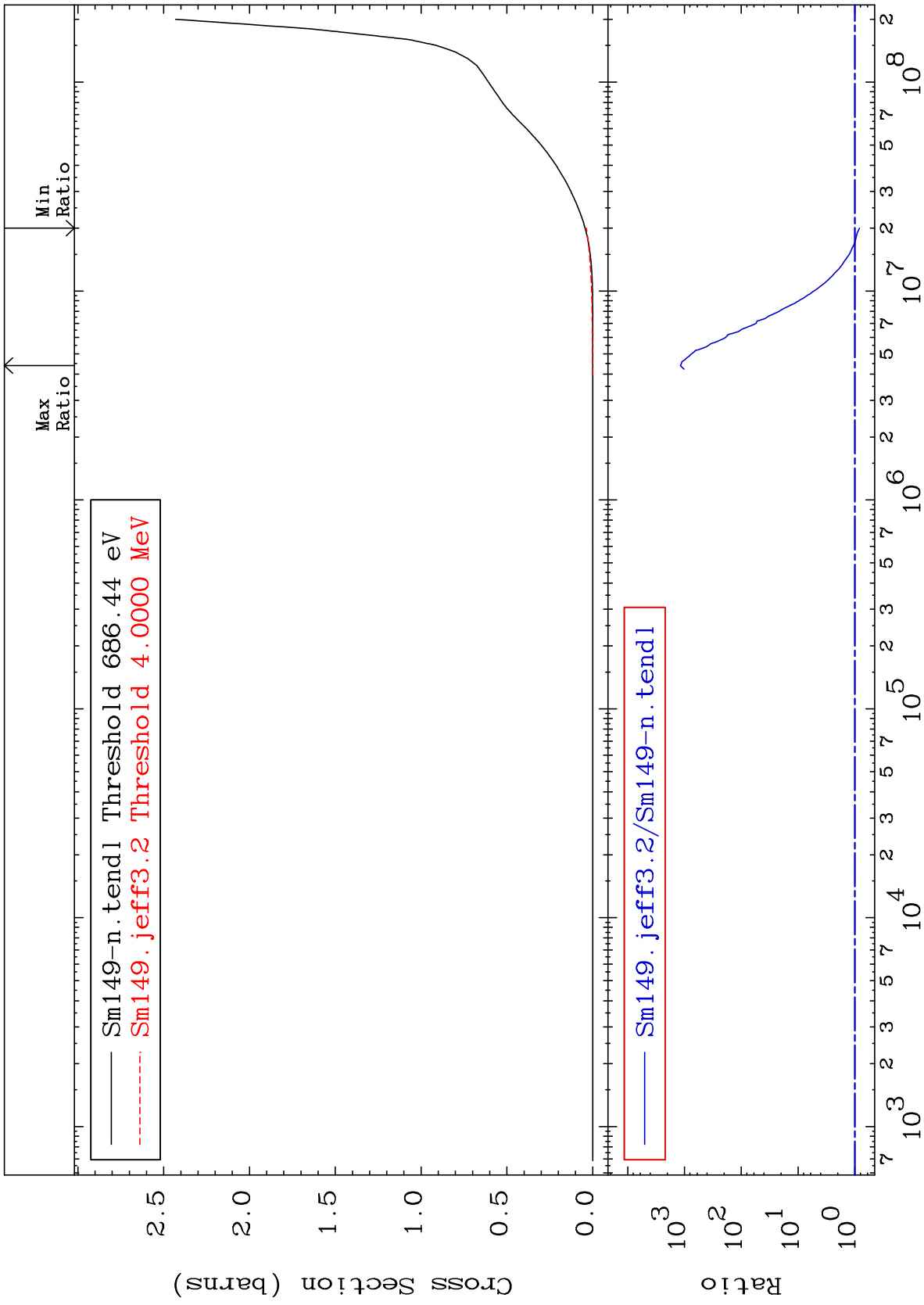
62-Sm-149
89.23 To 2464. %



MAT 6240

Hydrogen Production Cross Section

62-Sm-149
-16.75 To 9999. %



20

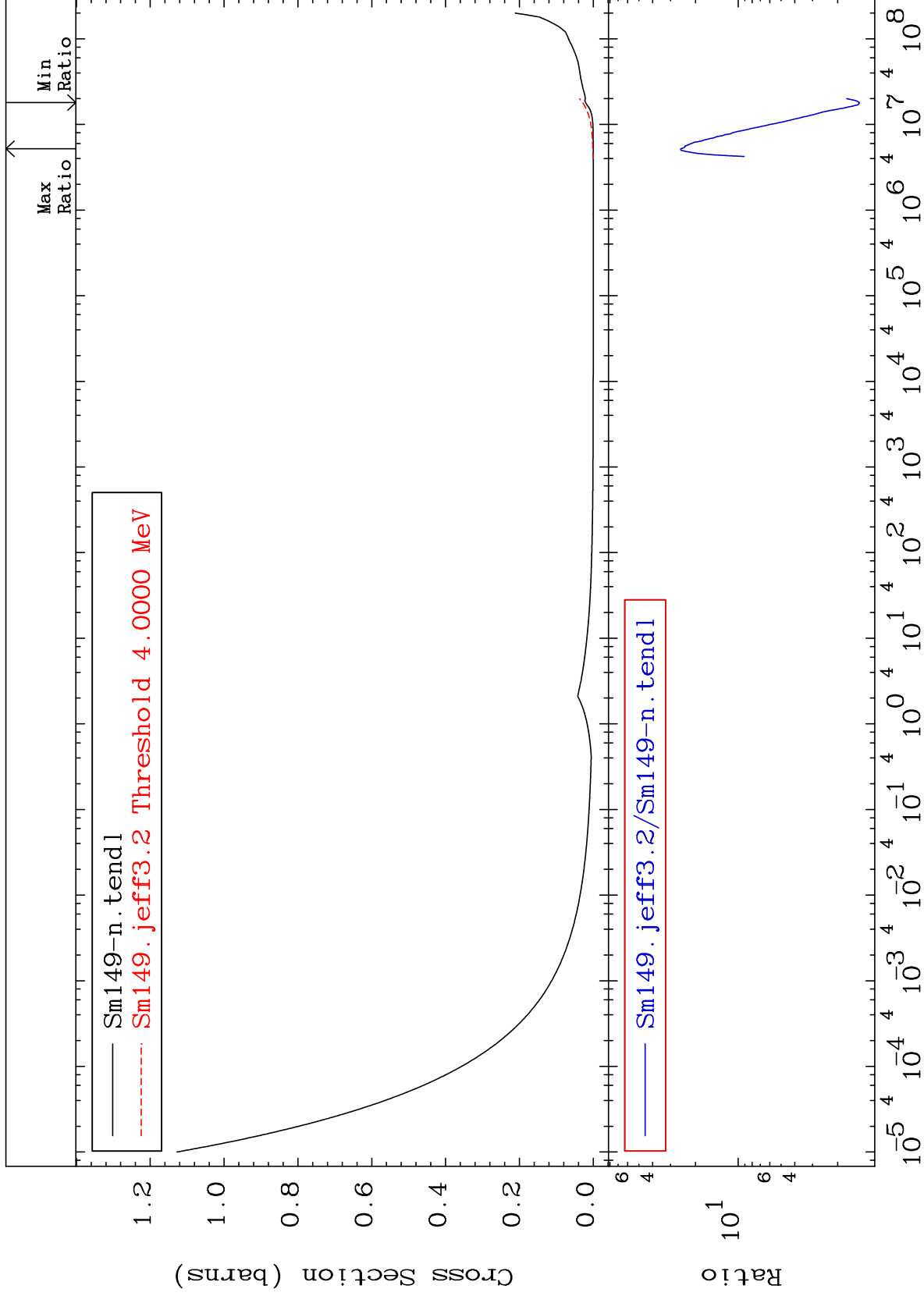
Incident Energy (eV)

62-Sm-149

MAT 6240

He-4 Production
Cross Section

62-Sm-149
40.22 To 2437. %



21

62-Sm-149

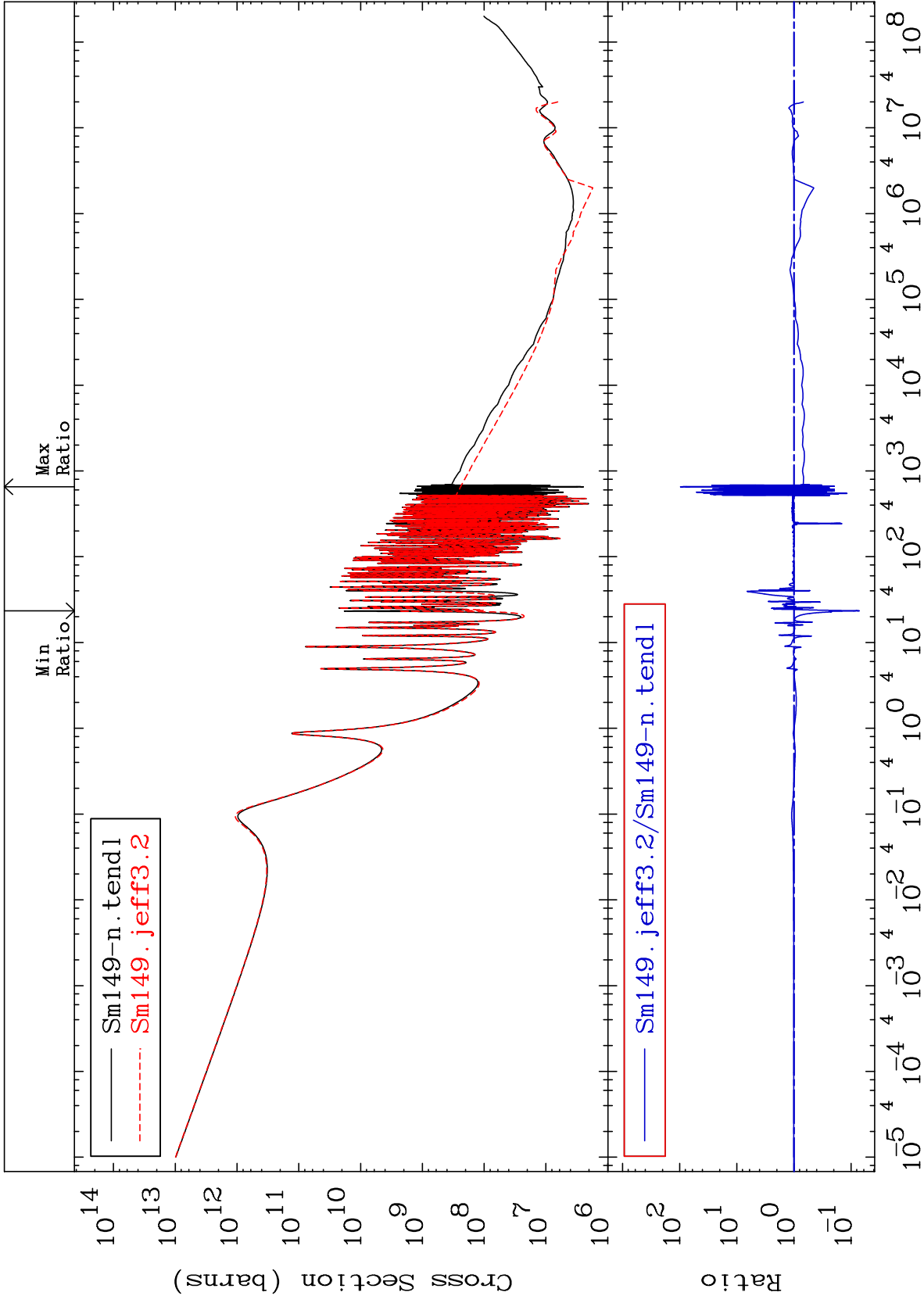
MAT 6240

Kerma total (eV-barns)

62-Sm-149

-92.86 To 9643. %

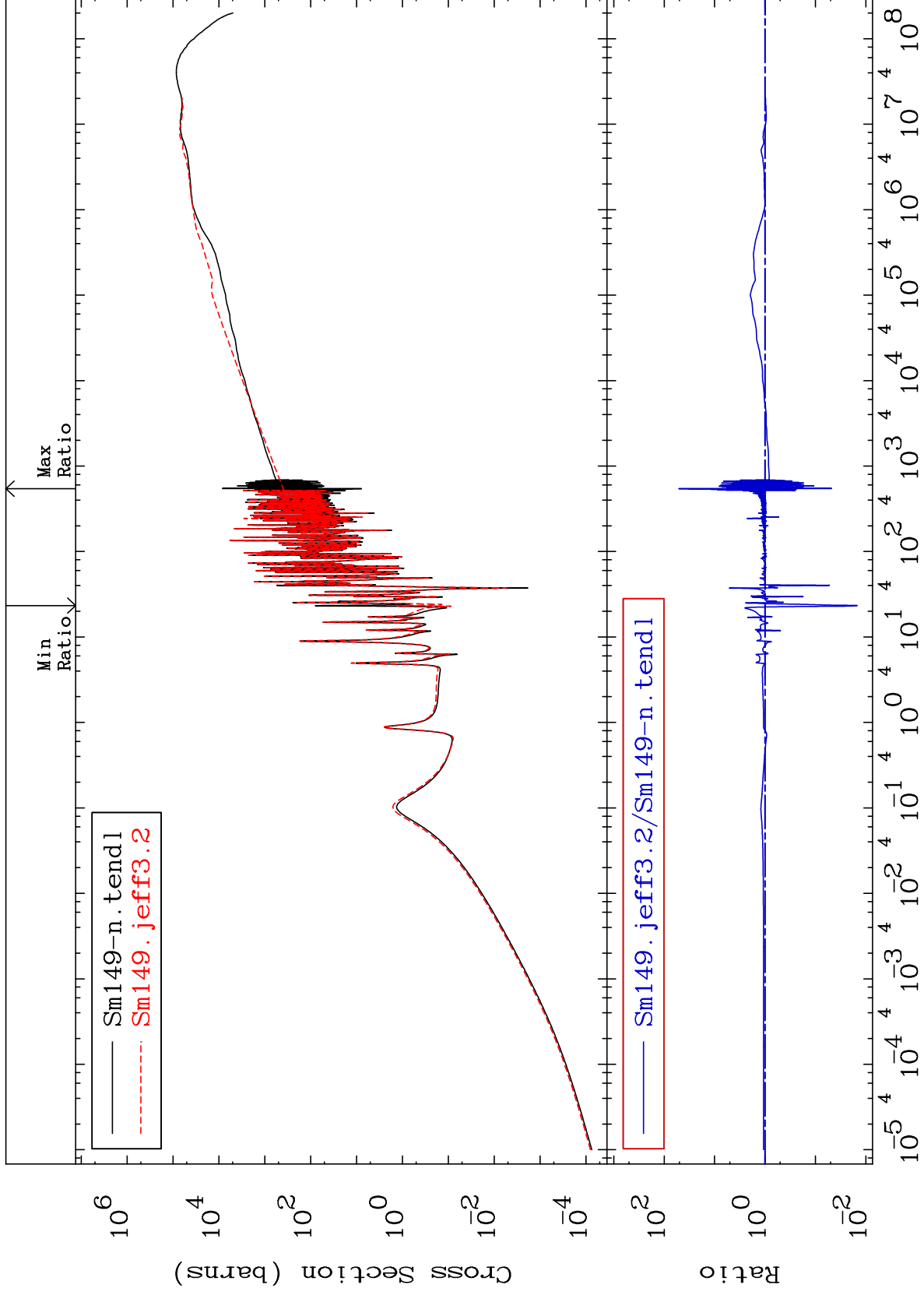
Cross Section



MAT 6240

Kerma elastic
Cross Section

62-Sm-149
-98.53 To 4974. %

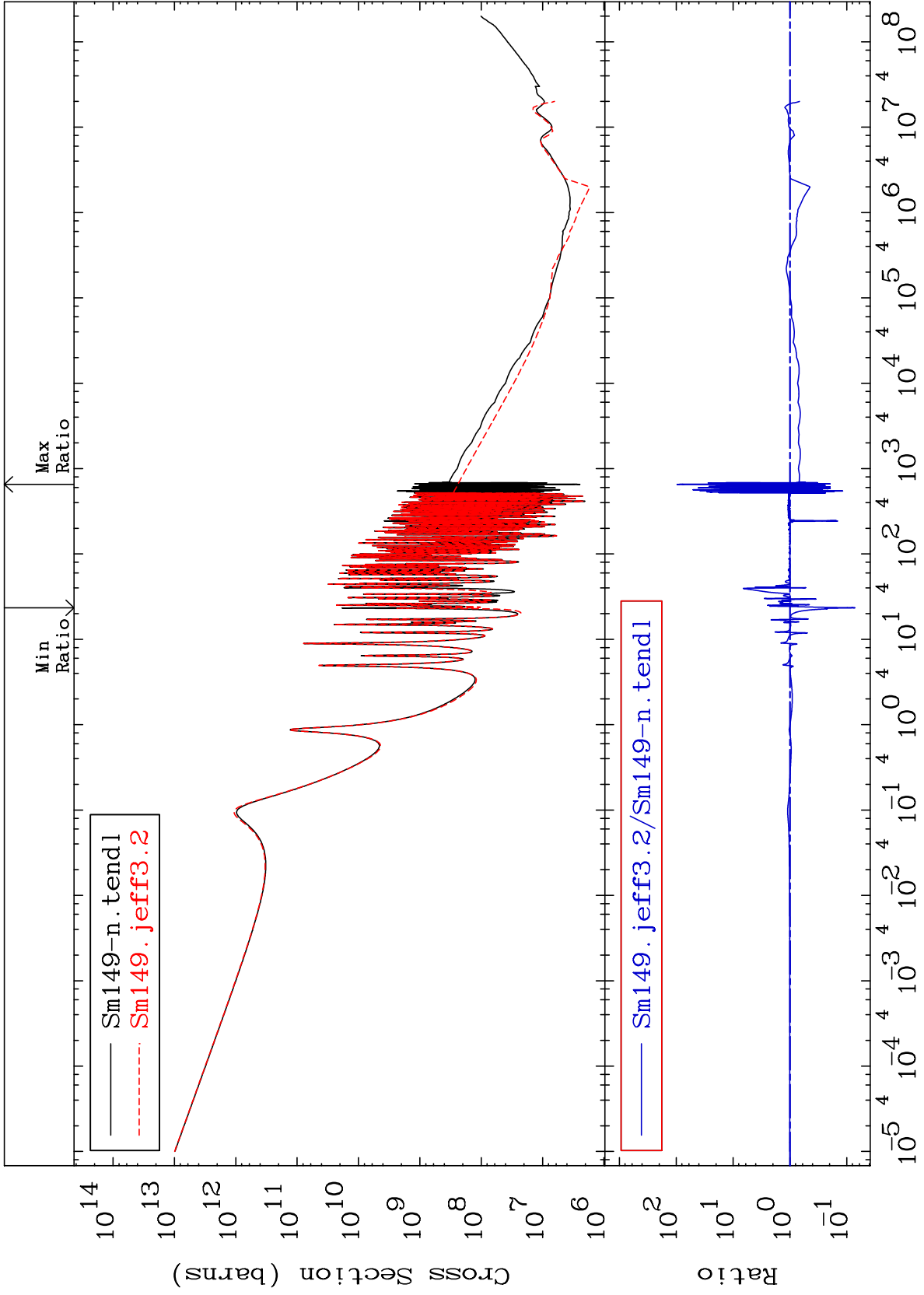


MAT 6240

Kerma non-elastic (all but mt2)

62-Sm-149

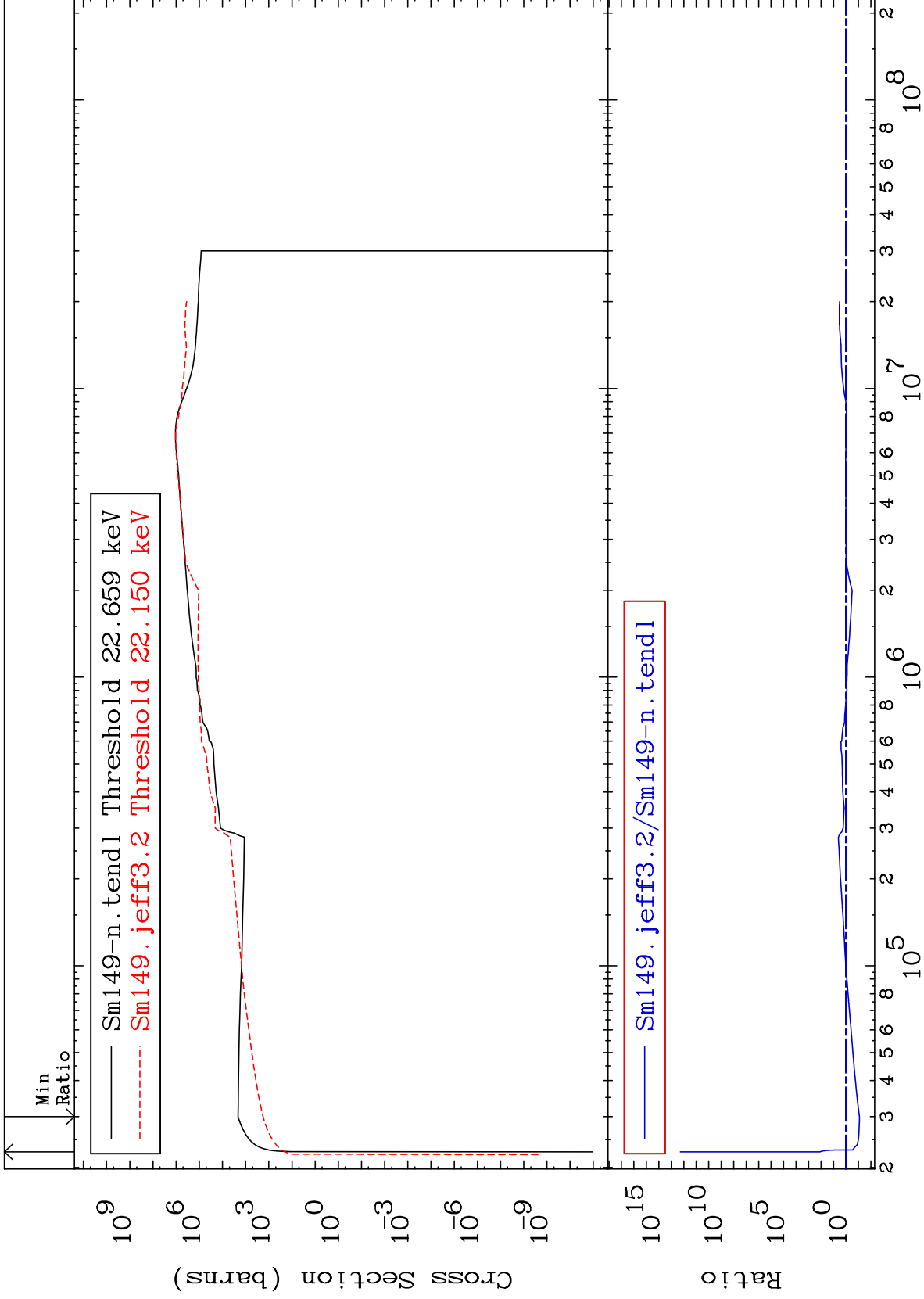
-92.86 To 9644. %

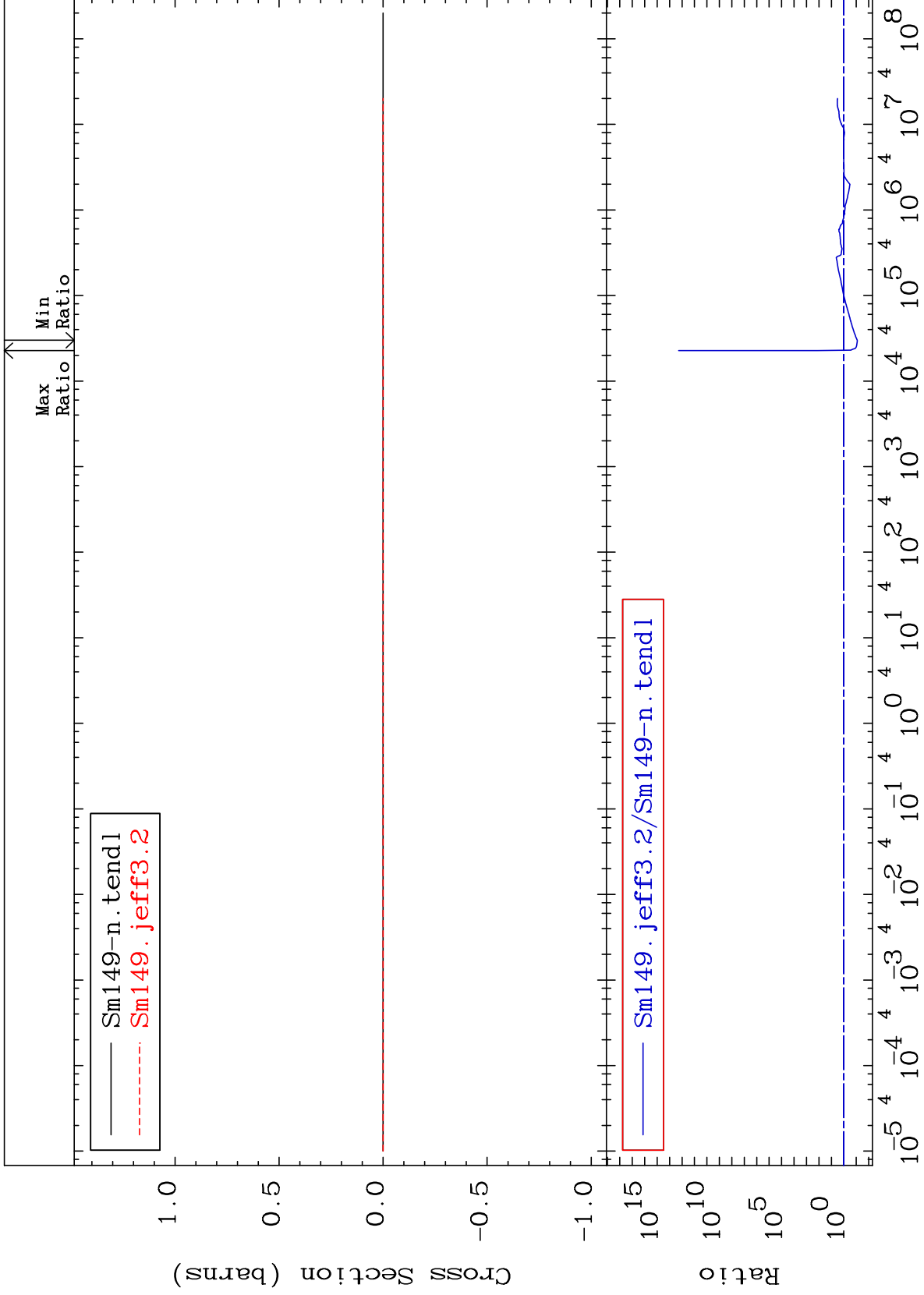


MAT 6240

Kerma inelastic (mt51-91)
Cross Section

62-Sm-149
-91.70 To 9999. %

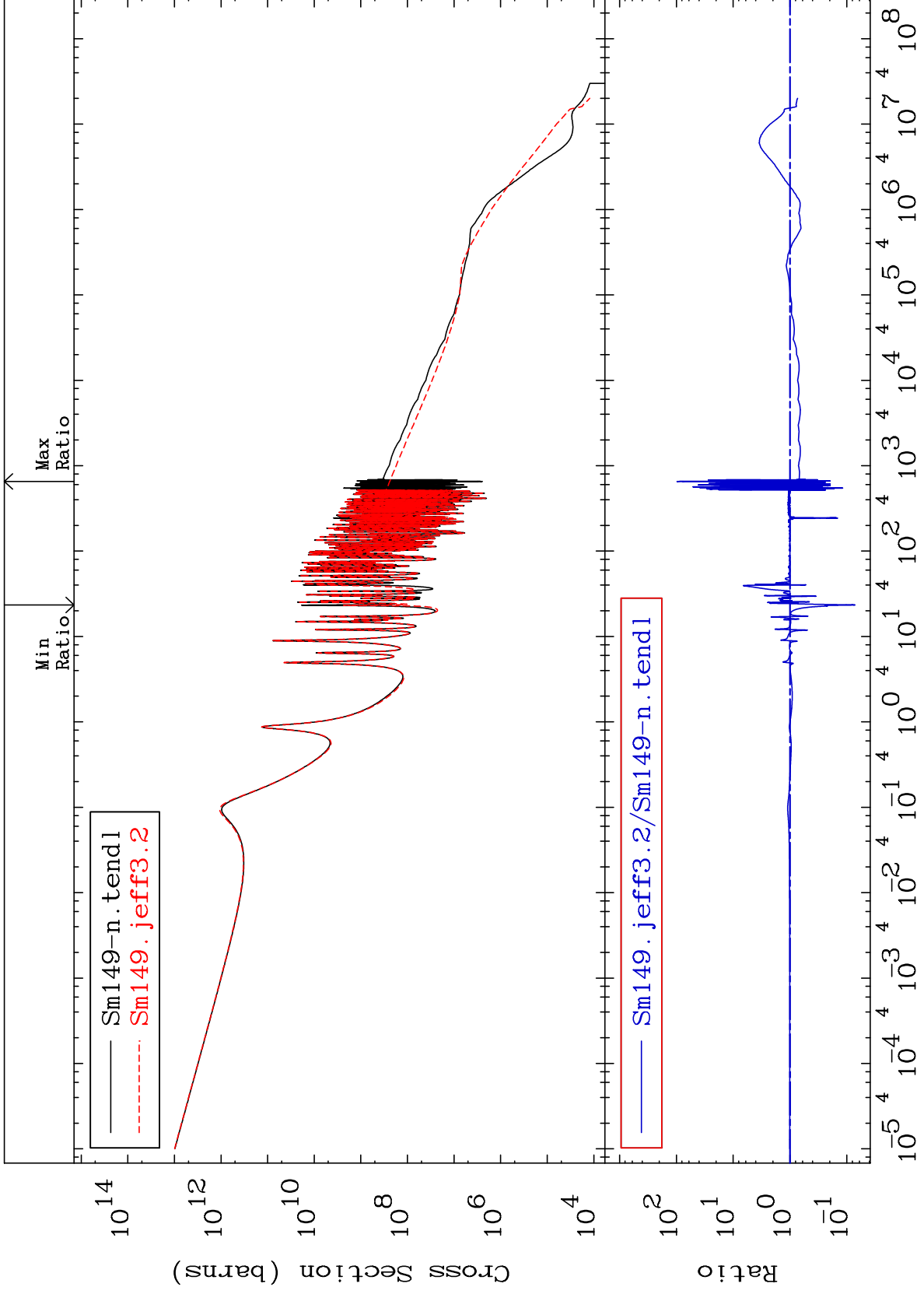




MAT 6240

Kerma capture (mt102)
Cross Section

62-Sm-149
-92.86 To 9684. %

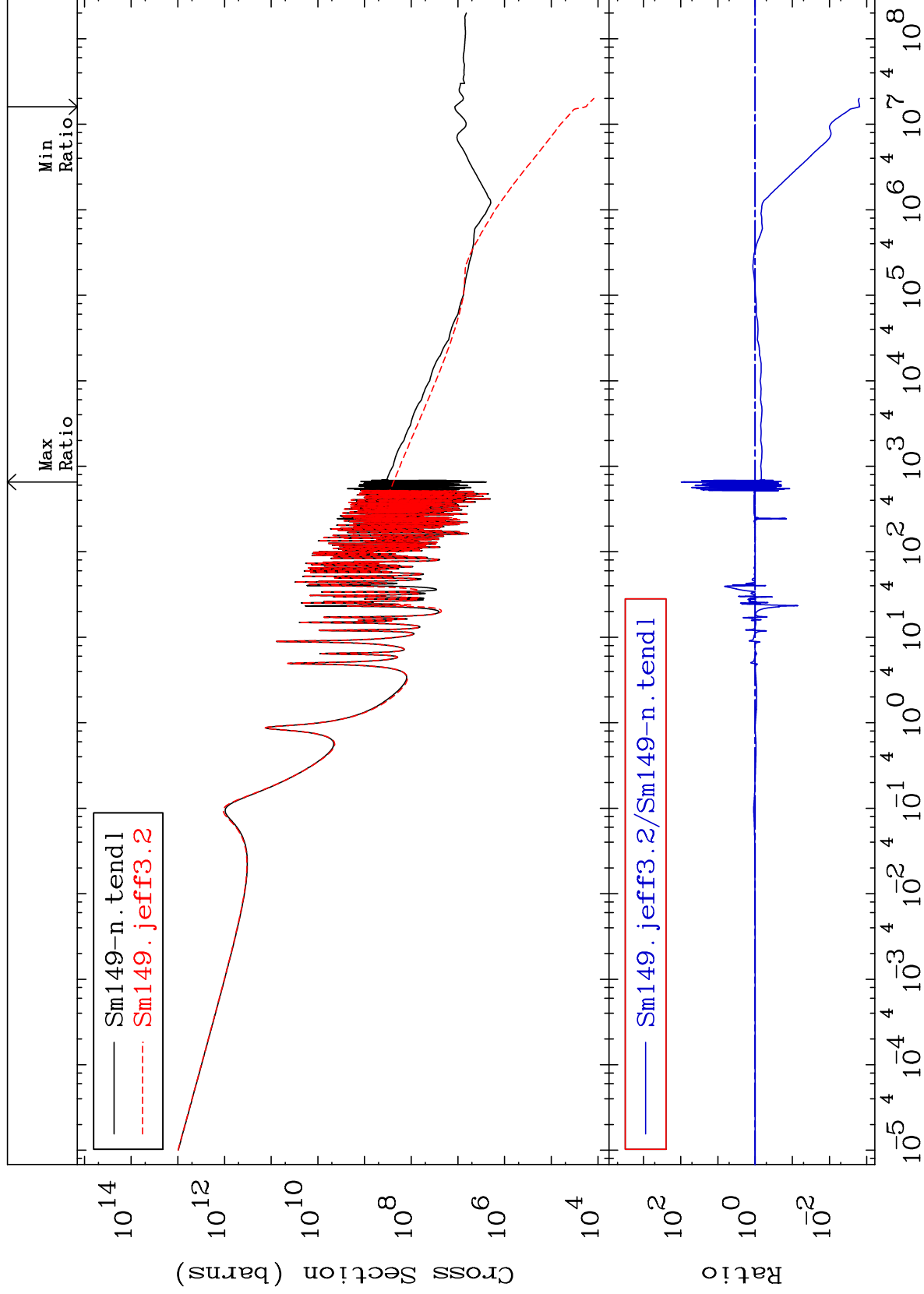


MAT 6240

Total photon (eV-barns)
Cross Section

62-Sm-149

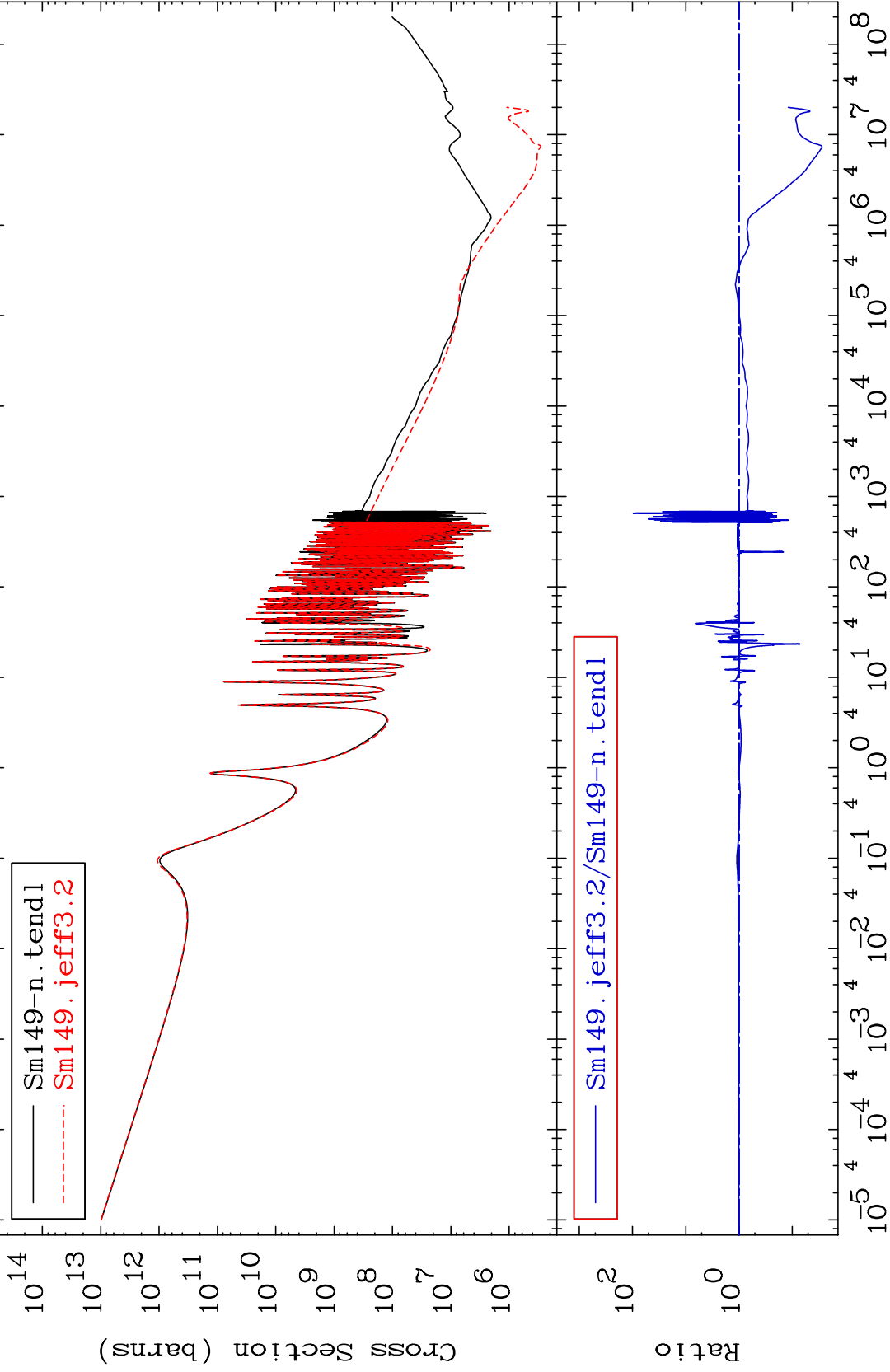
-99.84 To 9675. %



MAT 6240

Total kinematic kerma (high limit)
Cross Section

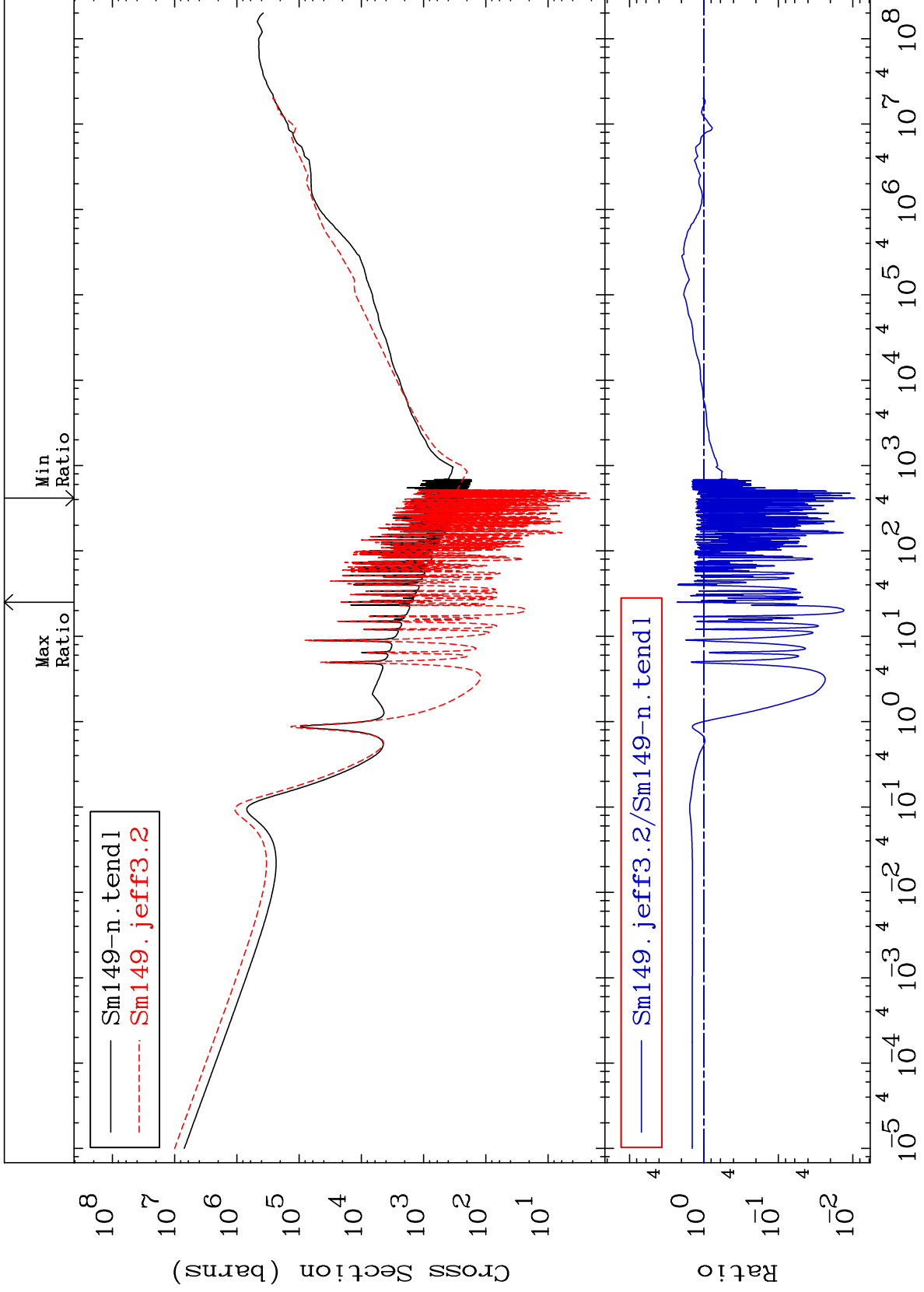
62-Sm-149
-97.24 To 9643. %



MAT 6240

Dpa total (eV-barns)
Cross Section

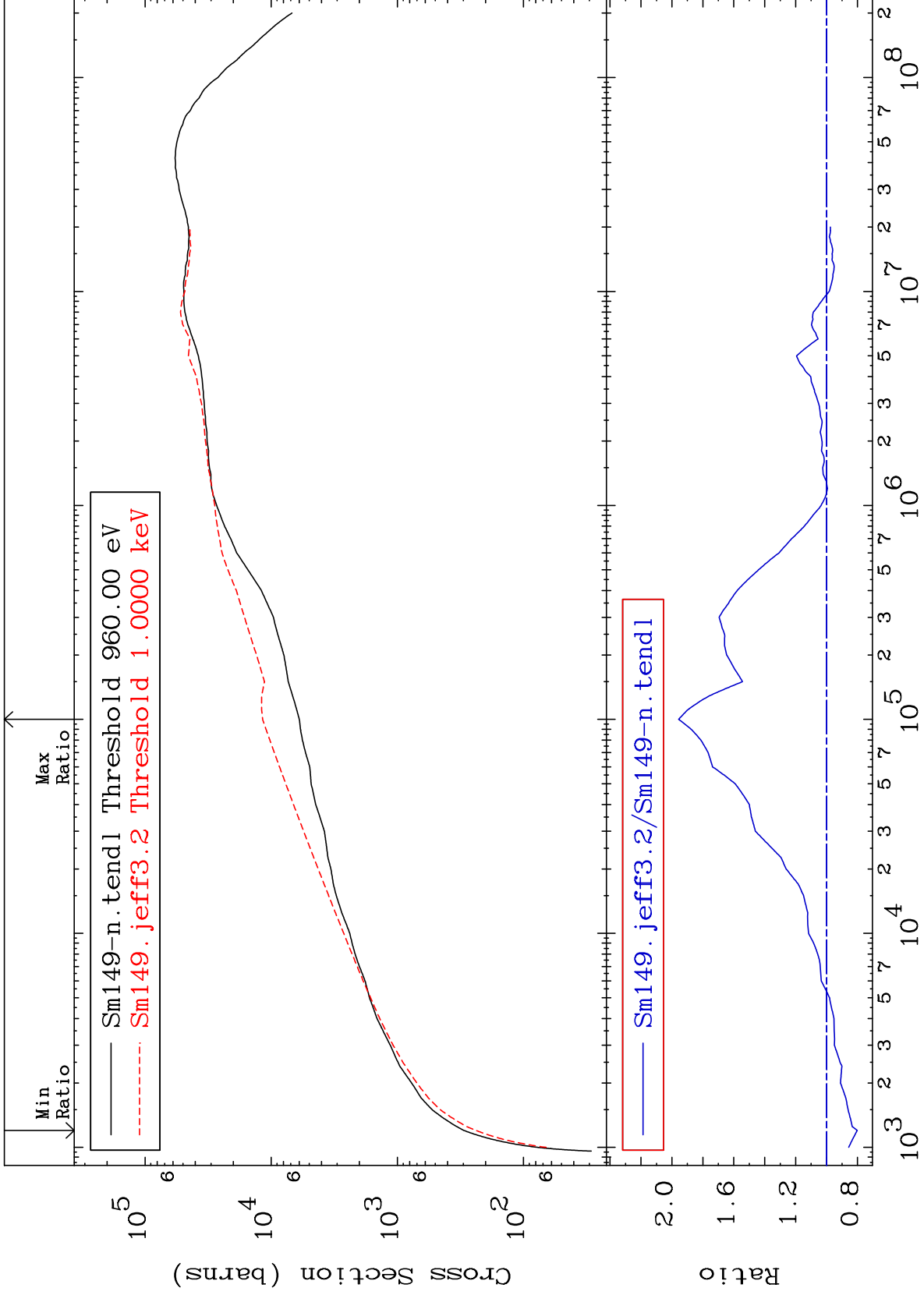
62-Sm-149
-99.07 To 130.3 %



MAT 6240

Dpa elastic (mt2)
Cross Section

62-Sm-149
-19.82 To 95.66 %



31

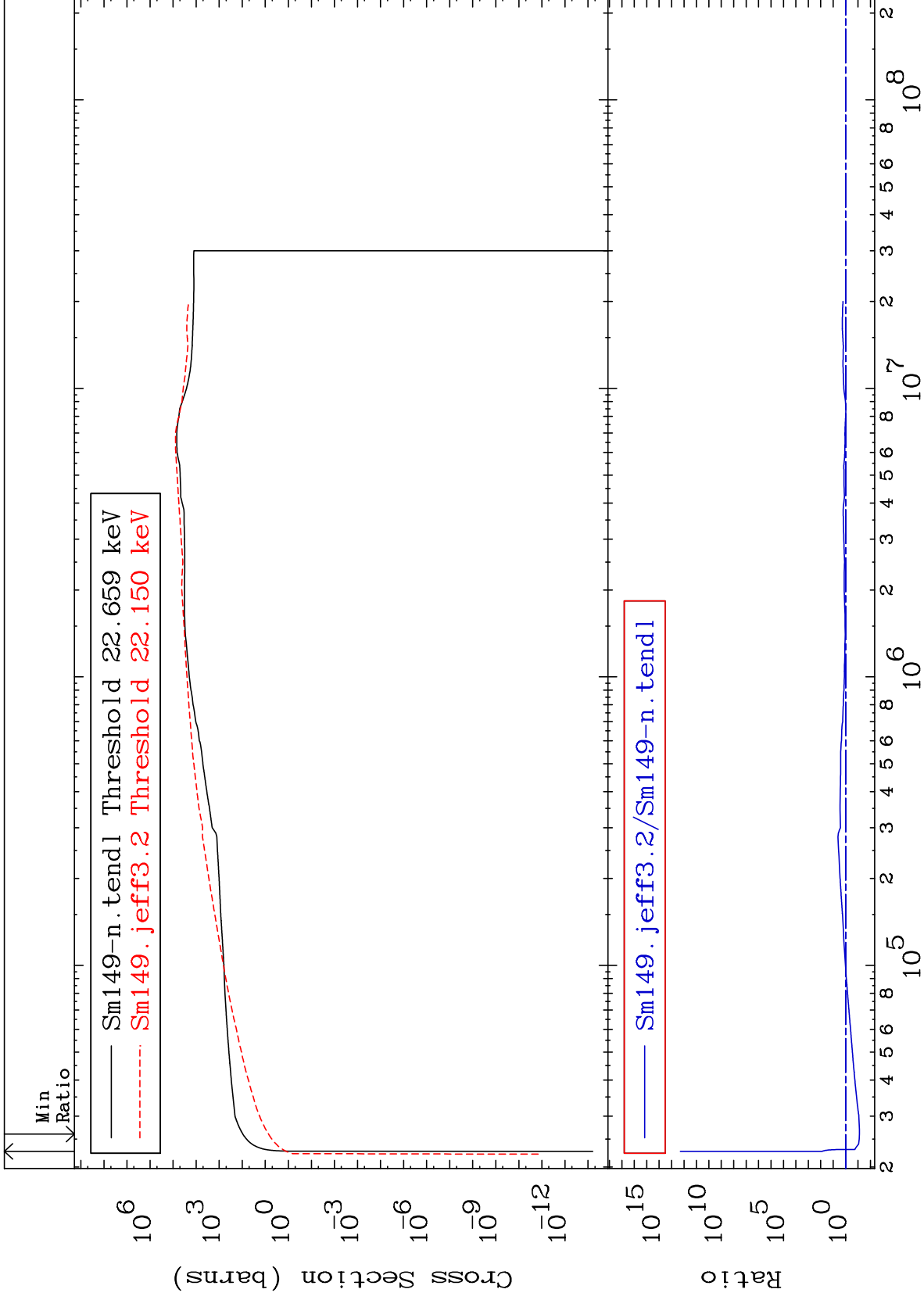
Incident Energy (eV)

62-Sm-149

MAT 6240

Dpa inelastic (mt51-91)
Cross Section

62-Sm-149
-92.27 To 9999. %



MAT 6240

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-149
-99.07 To 3583. %

