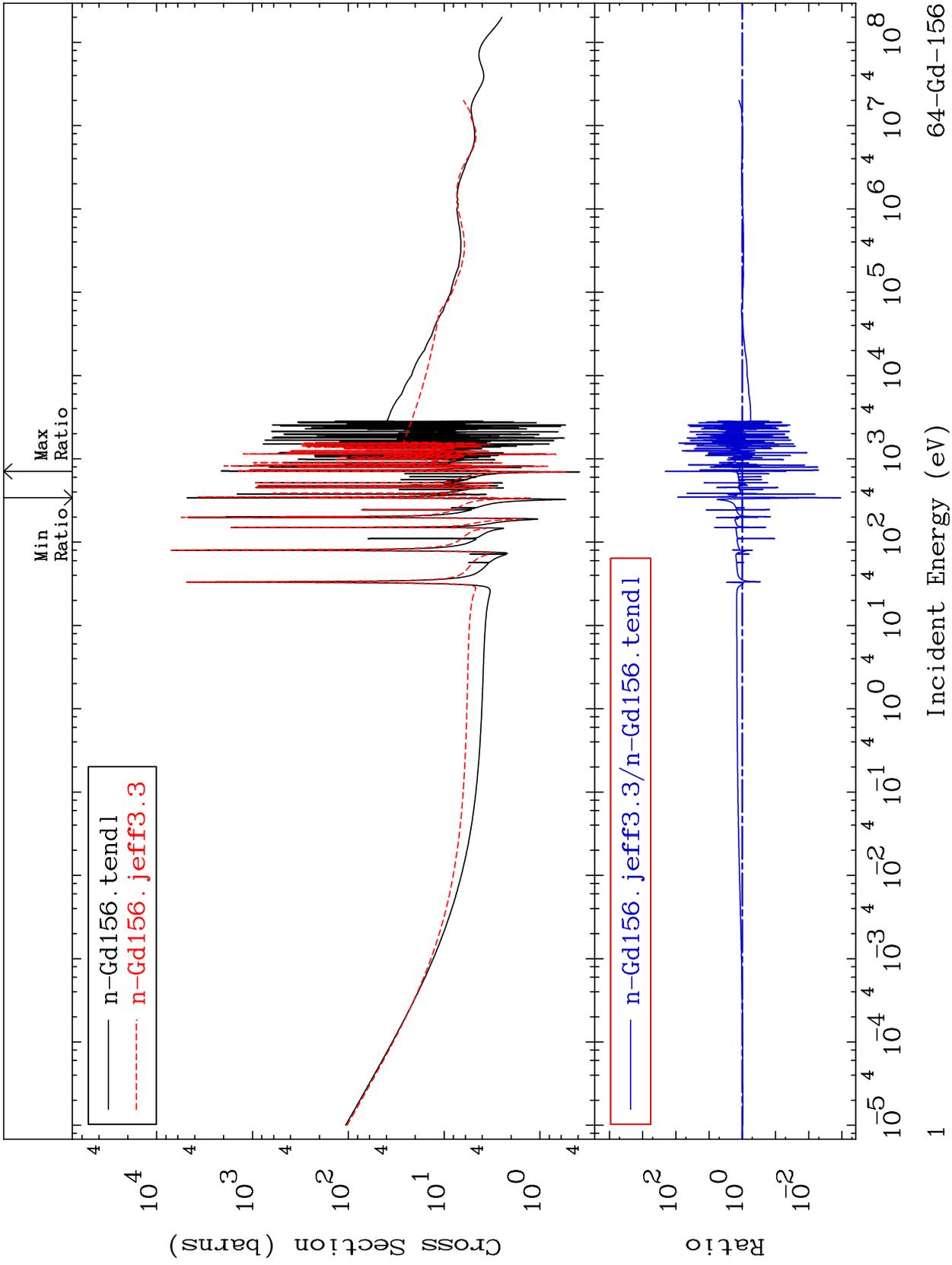


MAT 6437

Total Cross Section  
64-Gd-156  
-99.89 To 9999. %

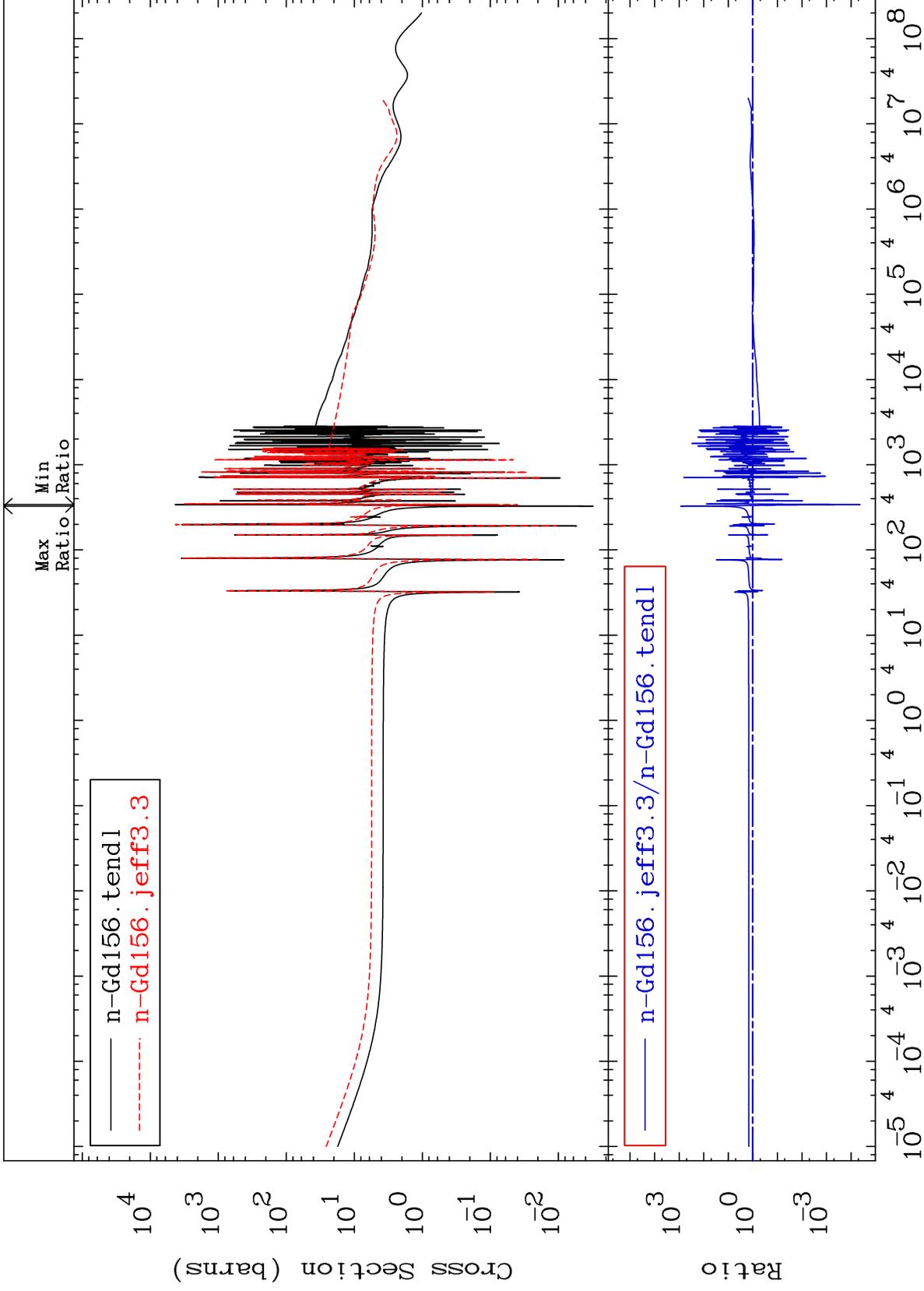


64-Gd-156

MAT 6437

Elastic  
Cross Section

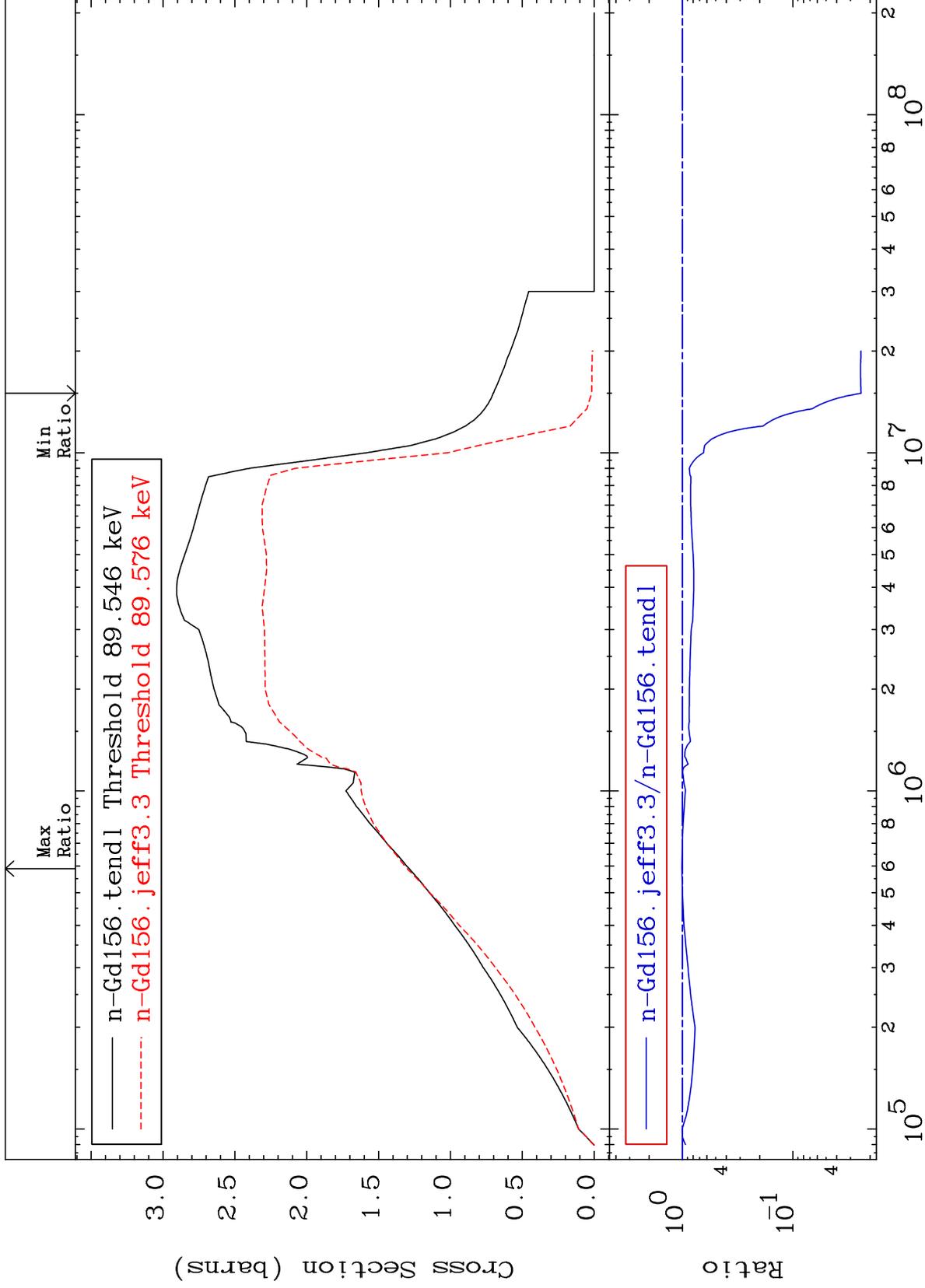
64-Gd-156  
-100.0 To 9999. %



MAT 6437

Inelastic  
Cross Section

64-Gd-156  
-97.59 To 1.102 %



64-Gd-156

3

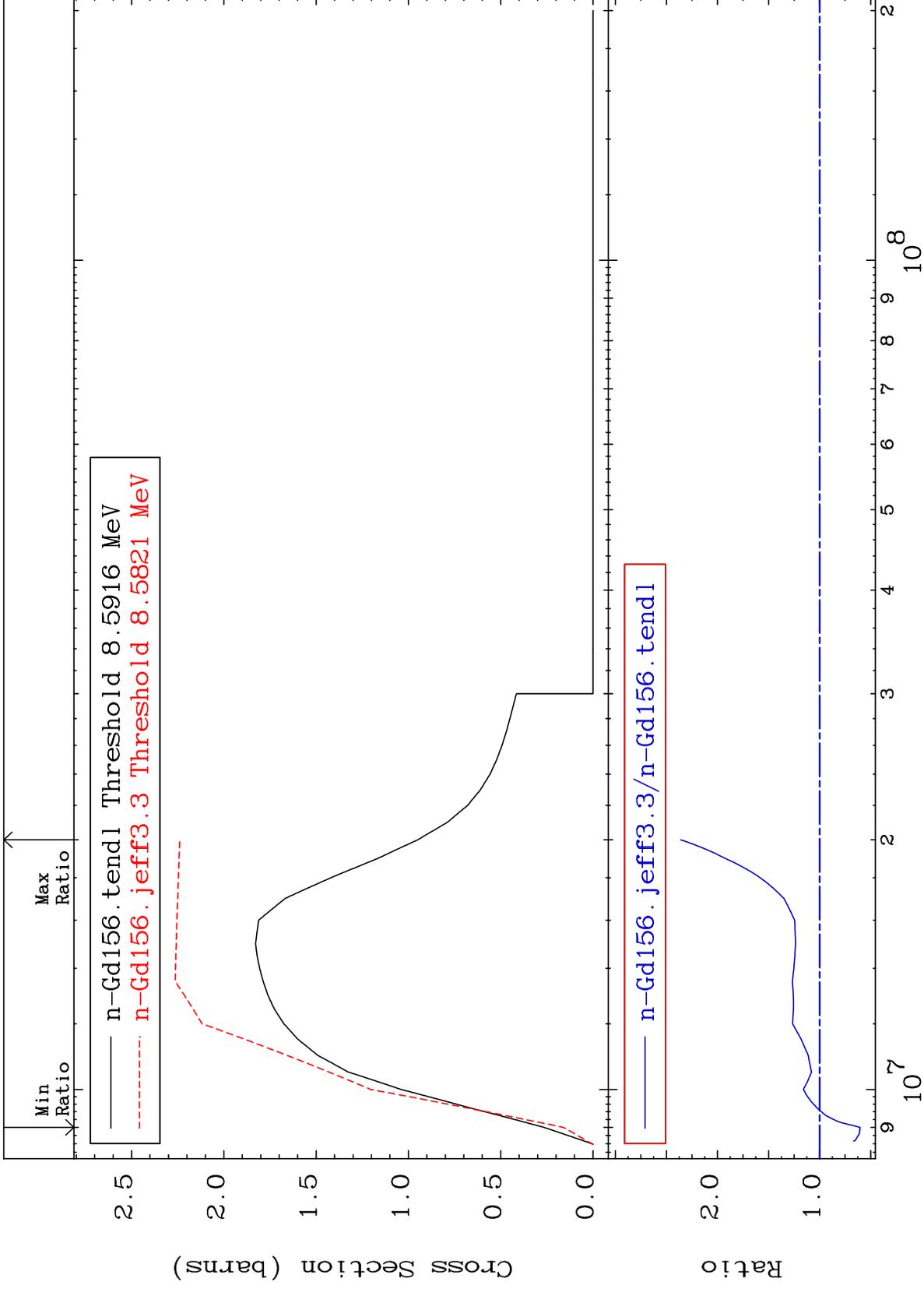
MAT 6437

(n,2n)

64-Gd-156

Cross Section

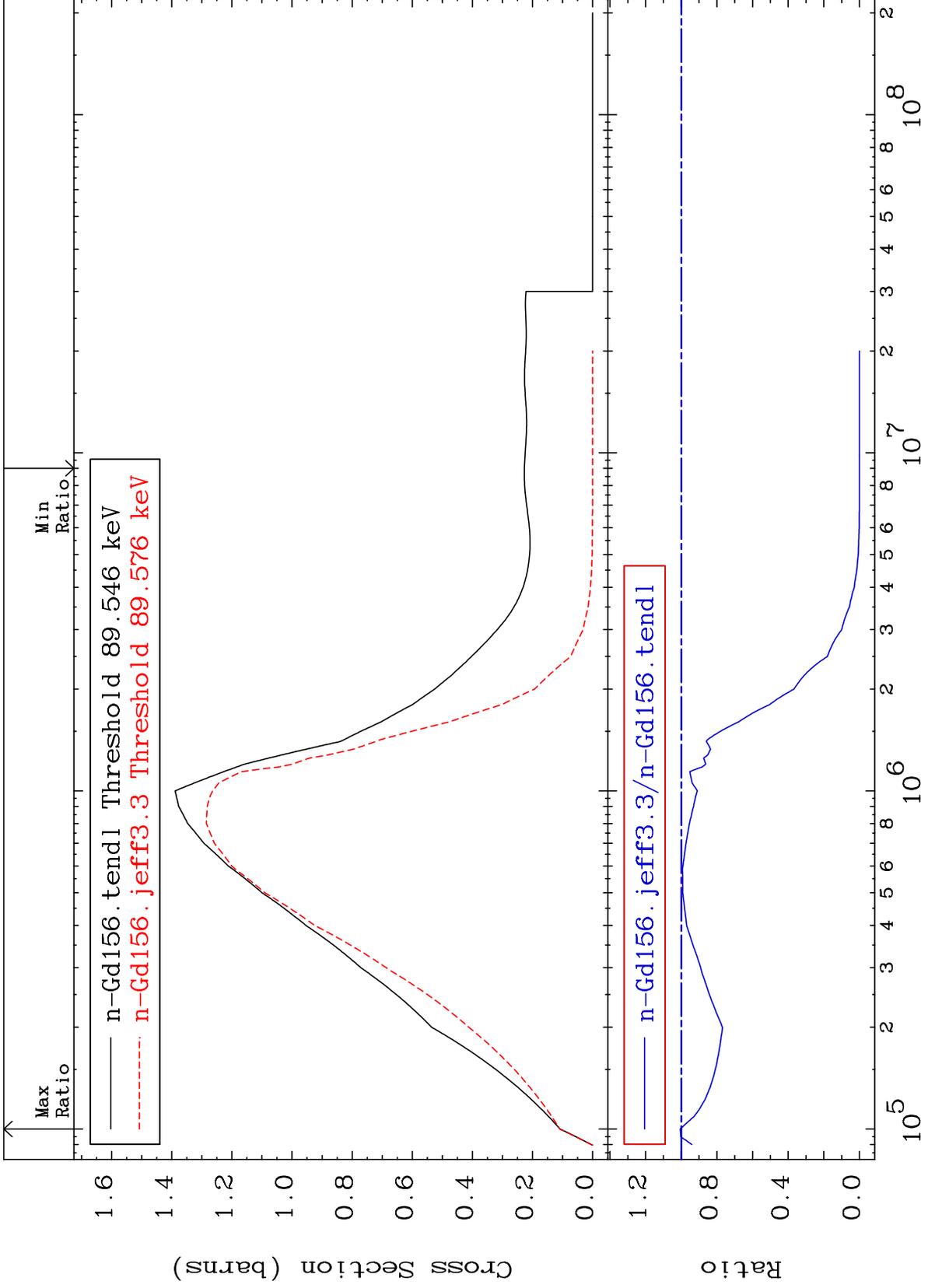
-39.67 To 136.0 %



MAT 6437

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

64-Gd-156  
-100.0 To 0.544 %



5

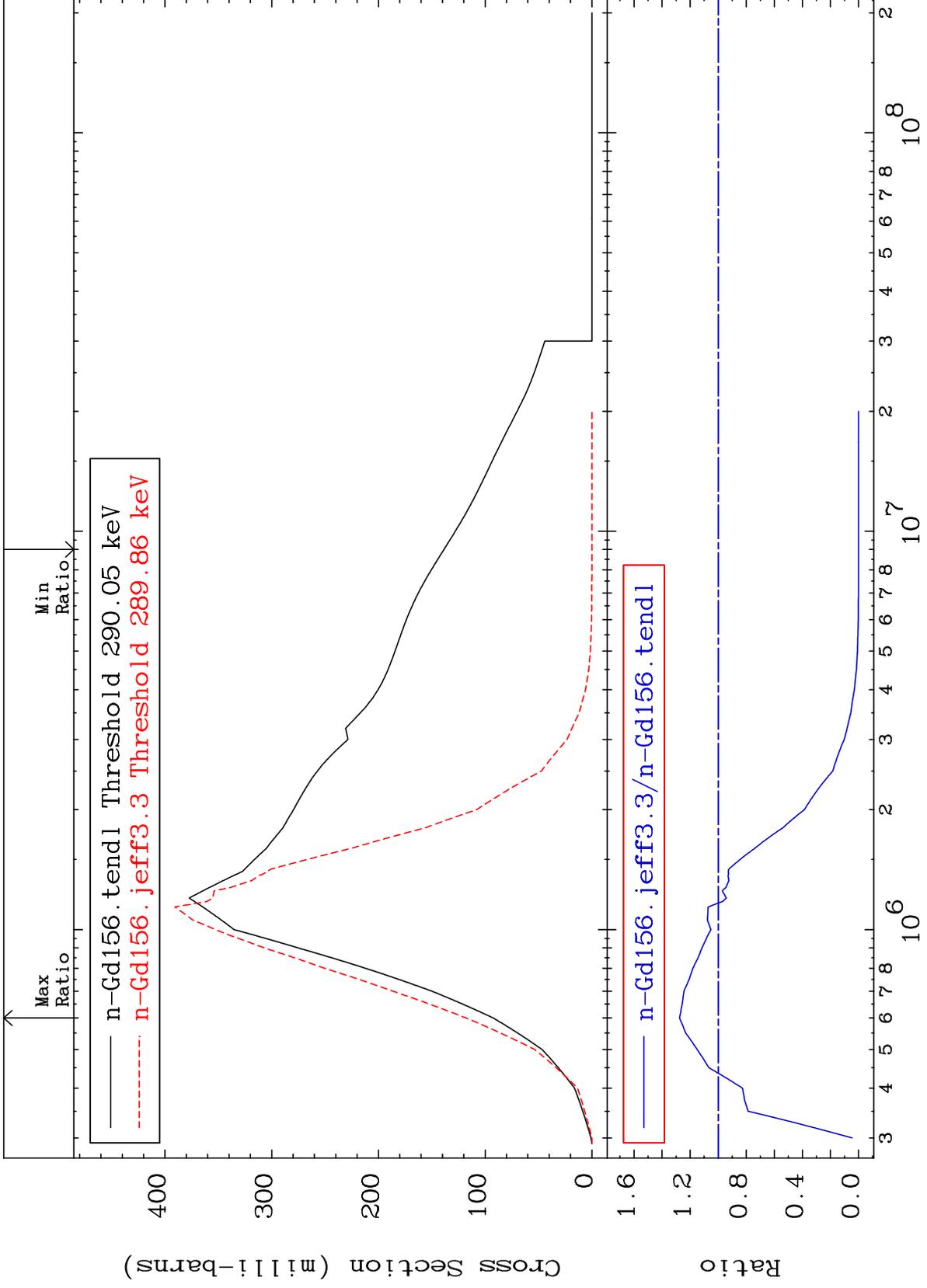
Incident Energy (eV)

64-Gd-156

MAT 6437

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

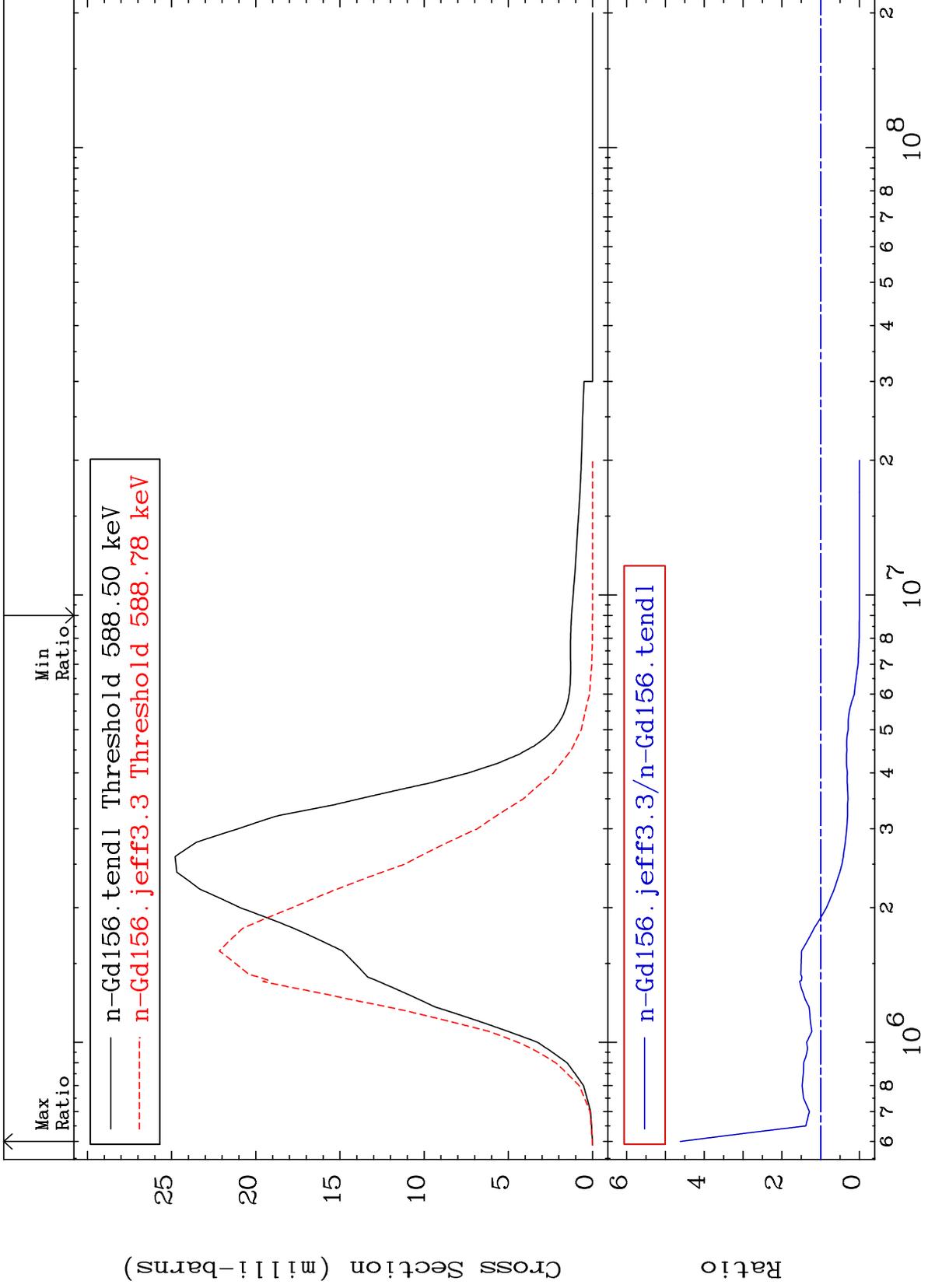
64-Gd-156  
-100.0 To 27.52 %



MAT 6437

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

64-Gd-156  
-100.0 To 361.6 %



7

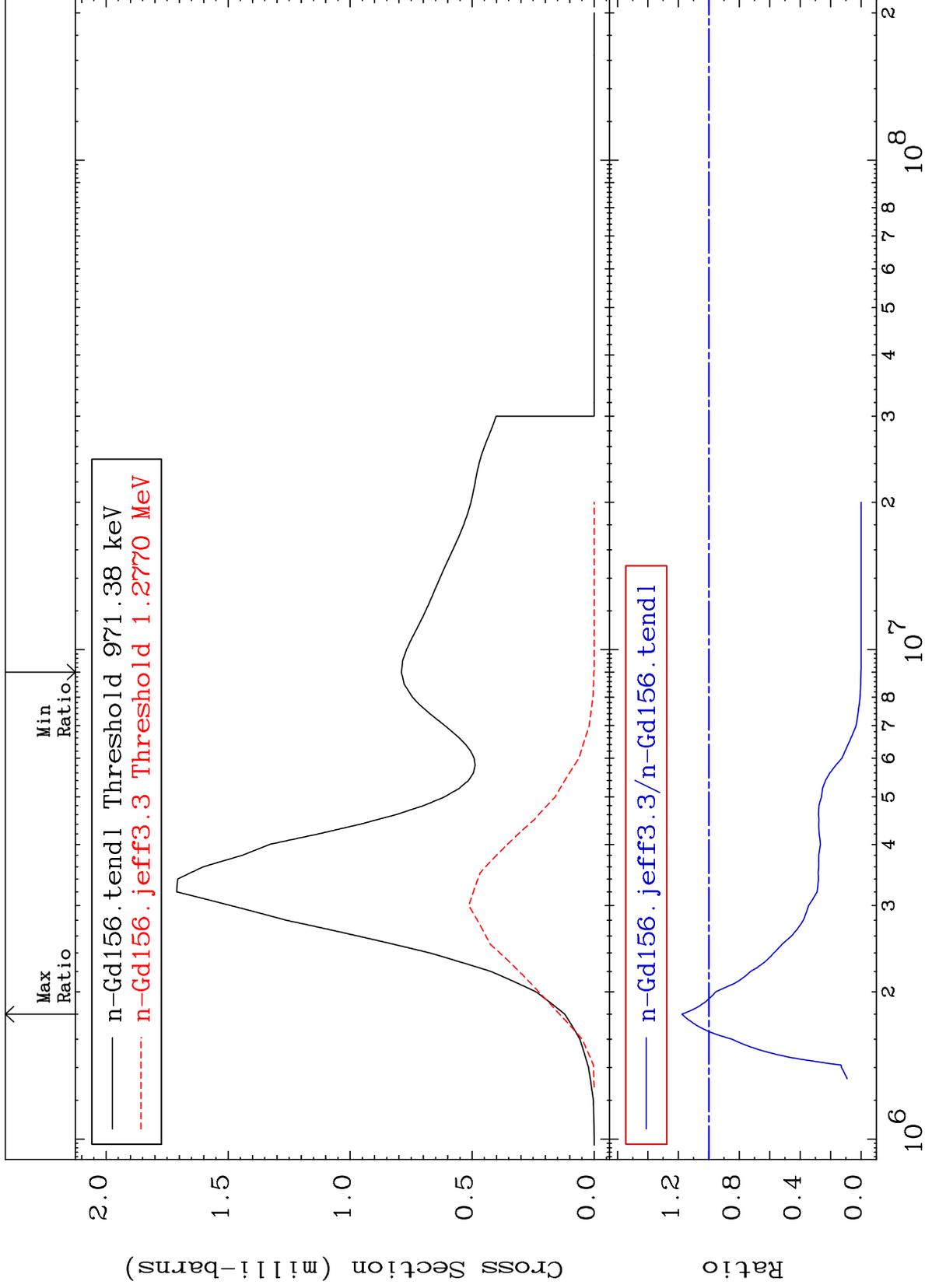
64-Gd-156

64-Gd-156

MAT 6437

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

64-Gd-156  
-100.0 To 17.70 %



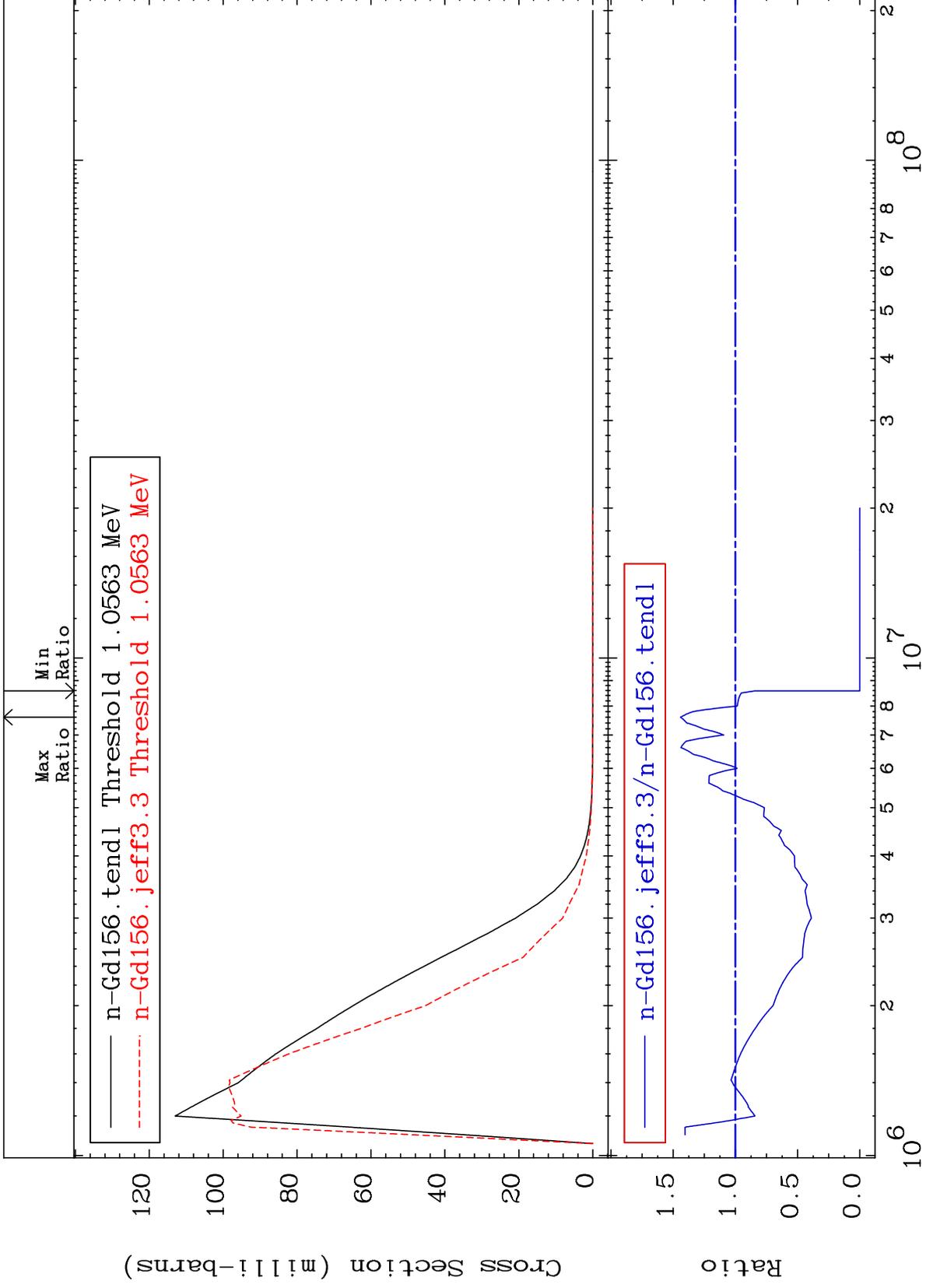
Incident Energy (eV)

64-Gd-156

MAT 6437

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

64-Gd-156  
-100.0 To 44.14 %



9

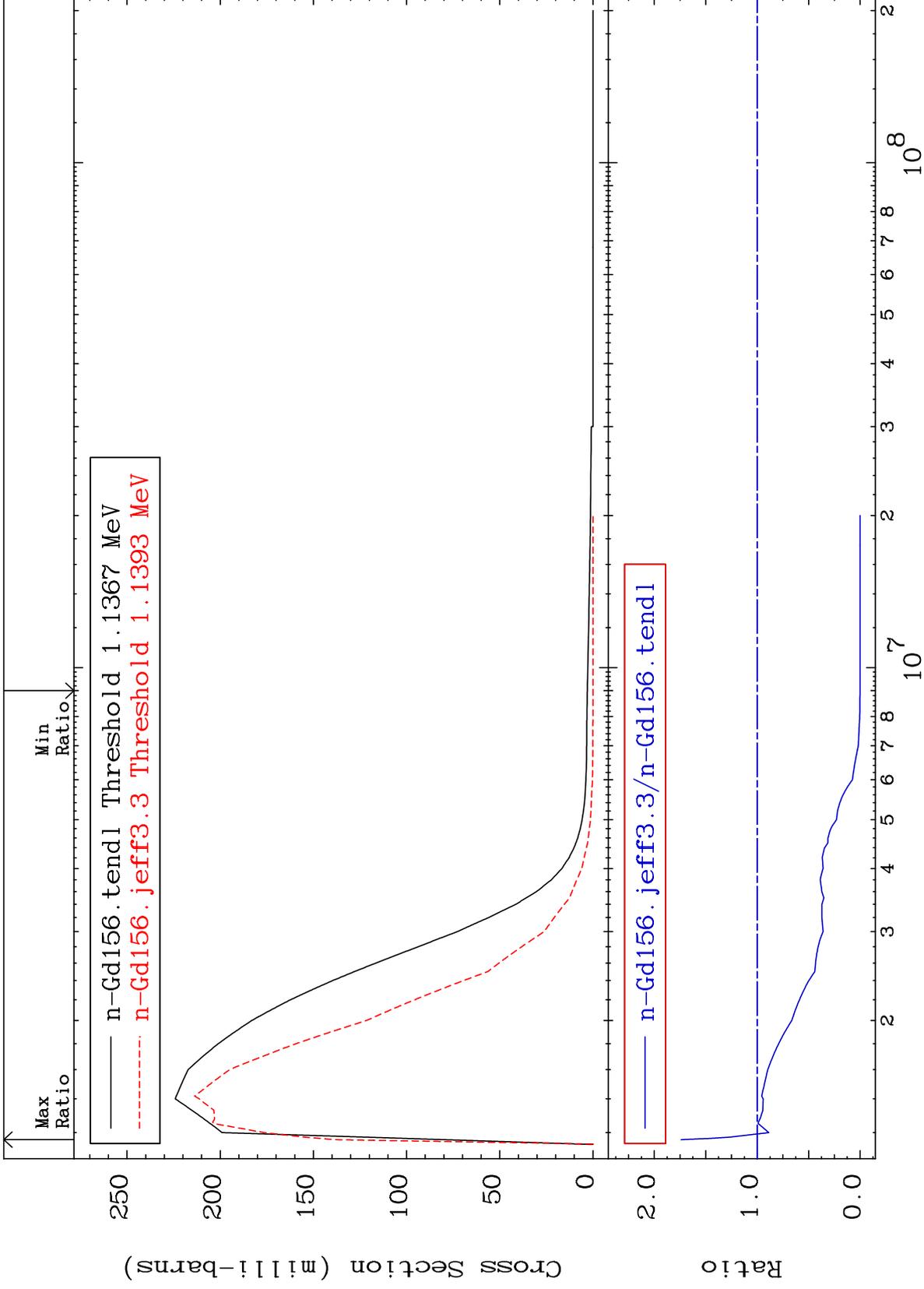
Incident Energy (eV)

64-Gd-156

MAT 6437

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

64-Gd-156  
-100.0 To 74.28 %



10

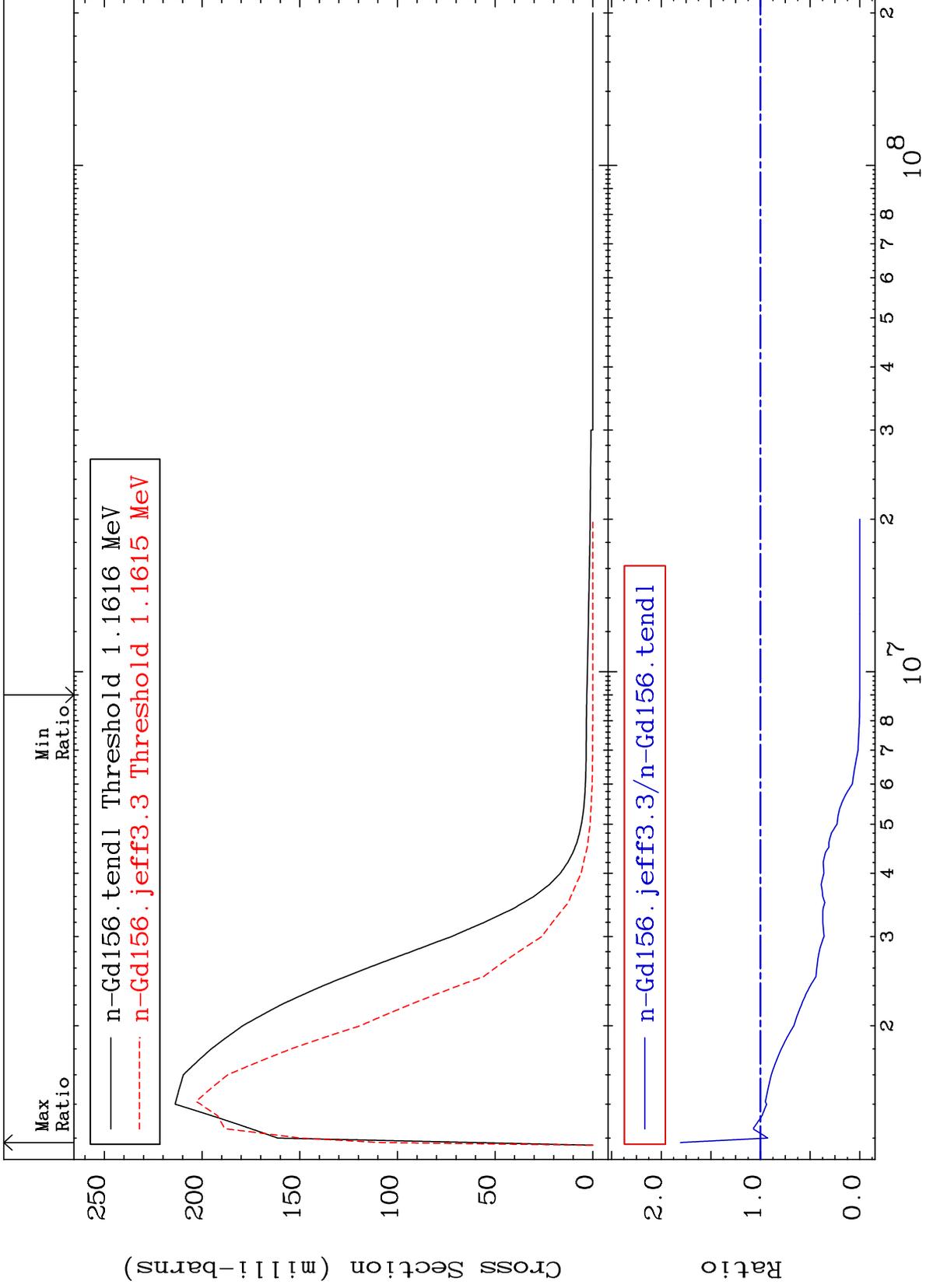
Incident Energy (eV)

64-Gd-156

MAT 6437

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

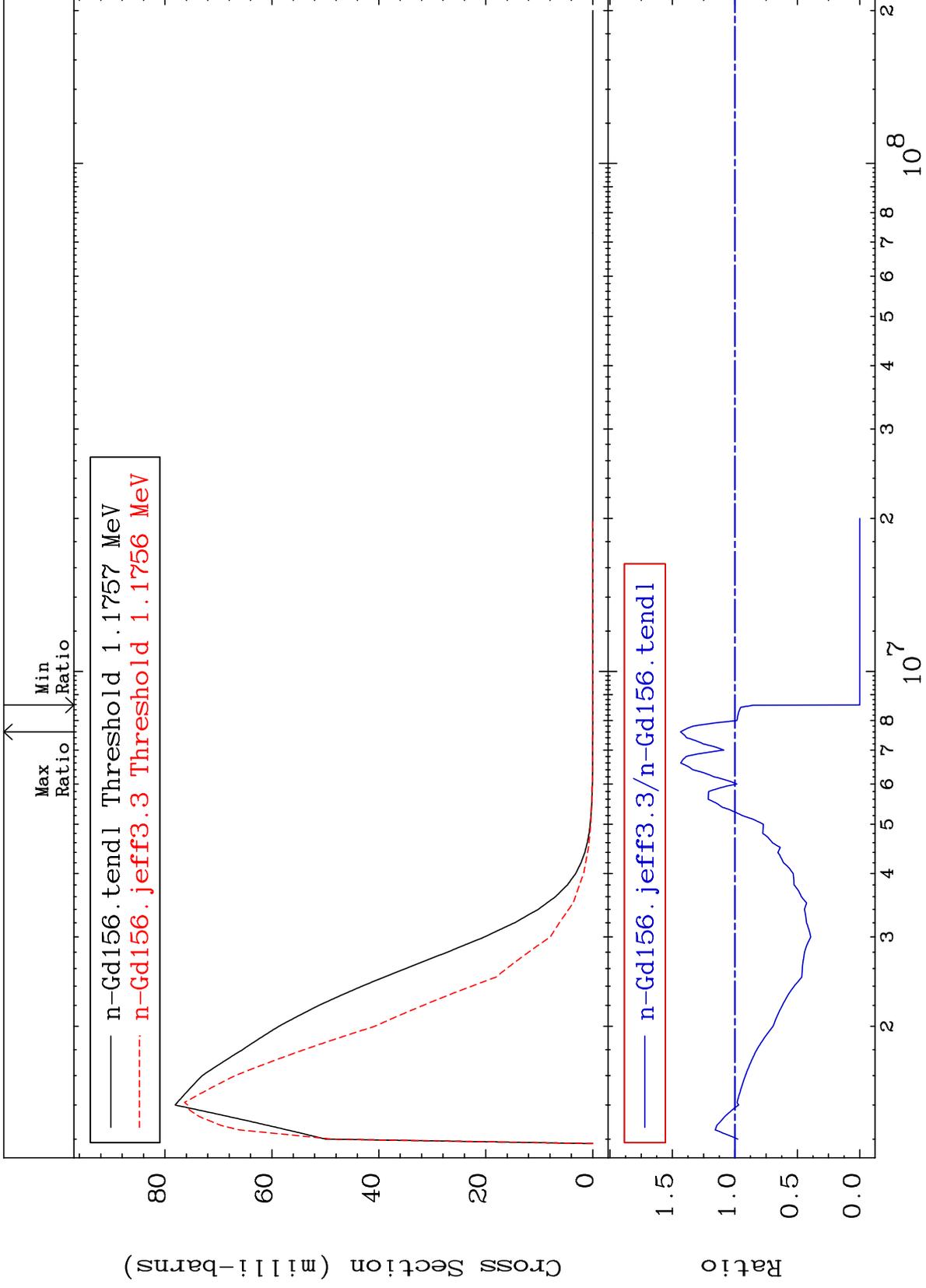
64-Gd-156  
-100.0 To 80.56 %



MAT 6437

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

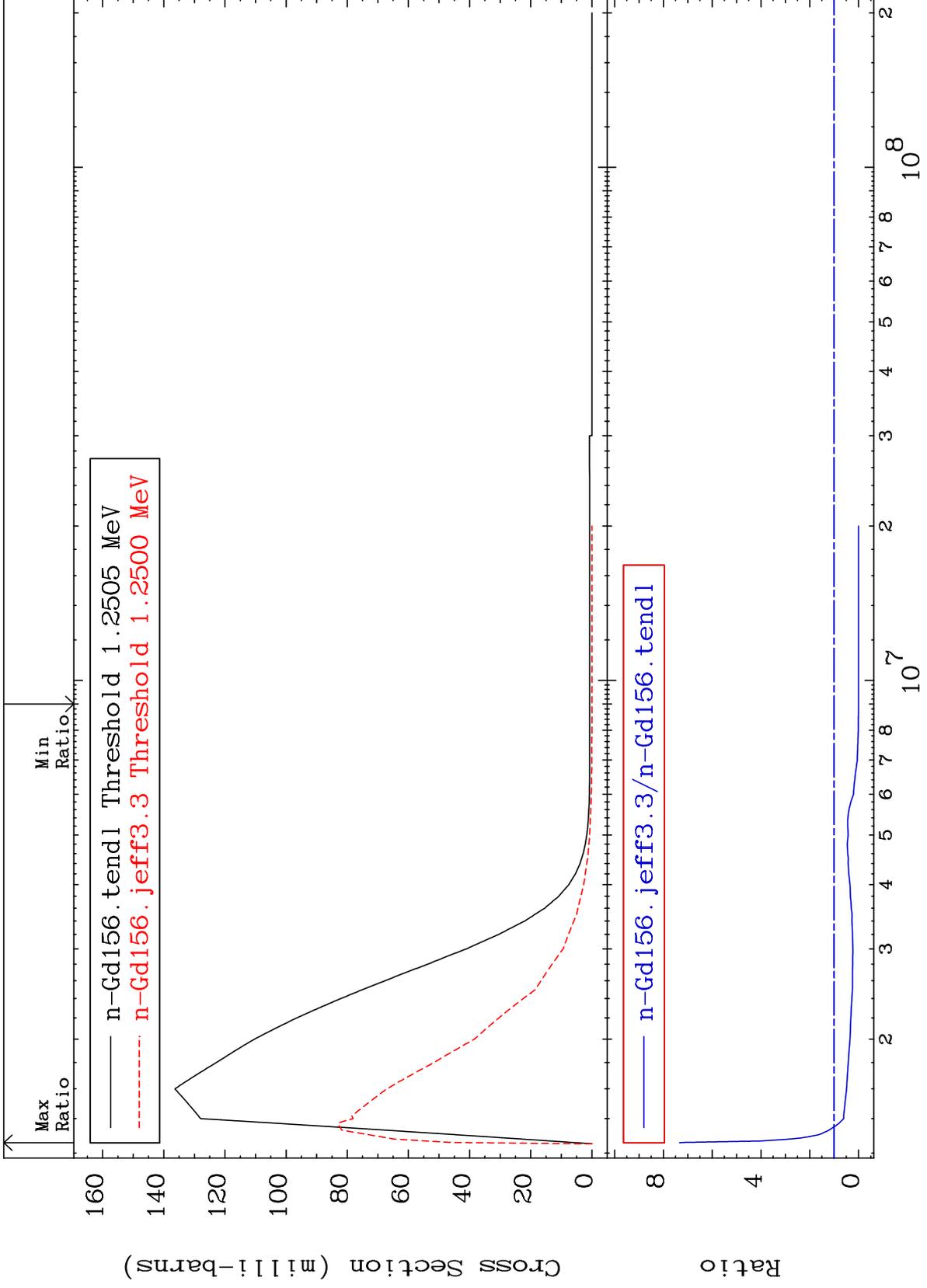
64-Gd-156  
-100.0 To 43.48 %



MAT 6437

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

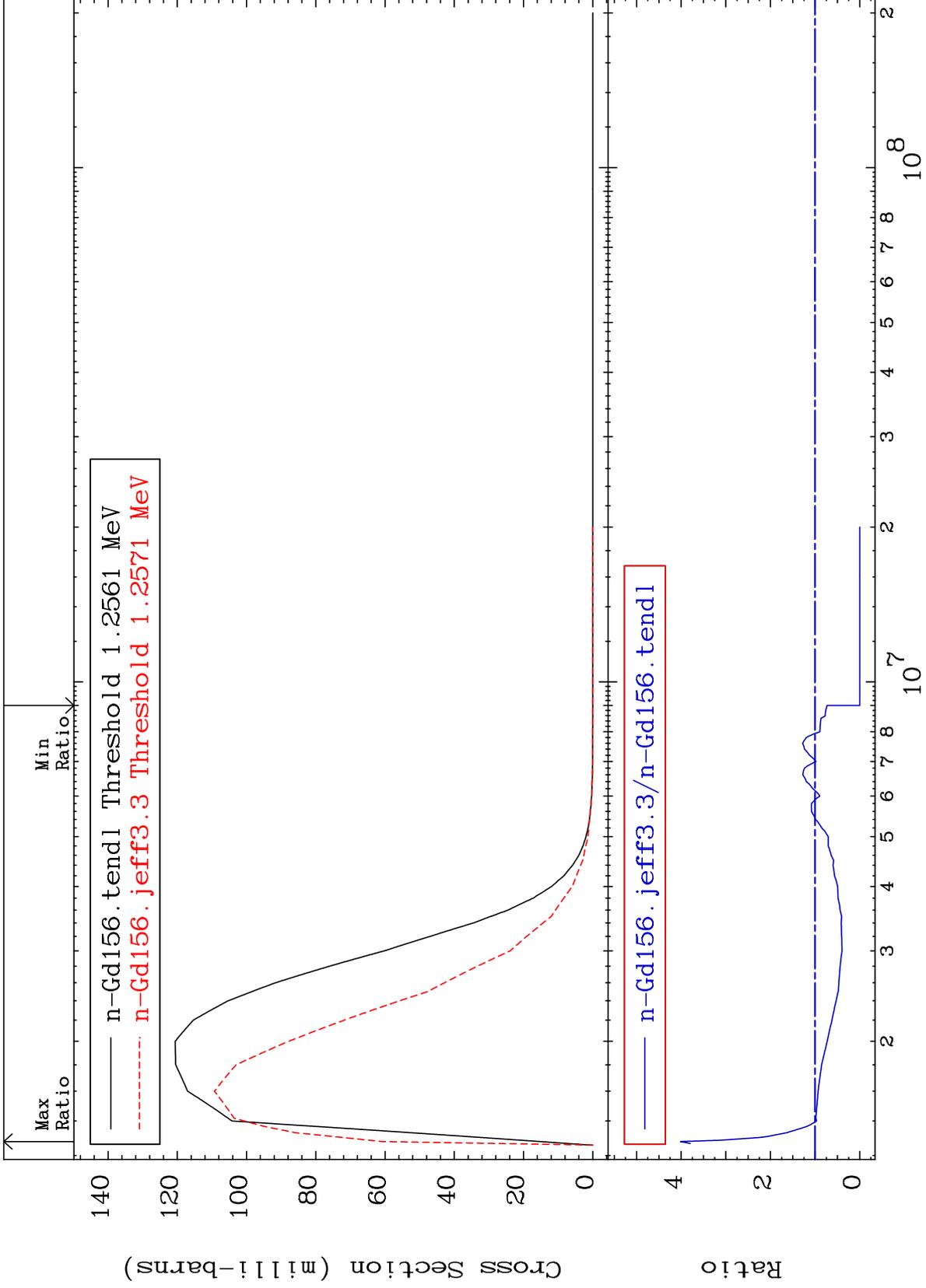
64-Gd-156  
-100.0 To 633.8 %



MAT 6437

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

64-Gd-156  
-100.0 To 301.5 %



14

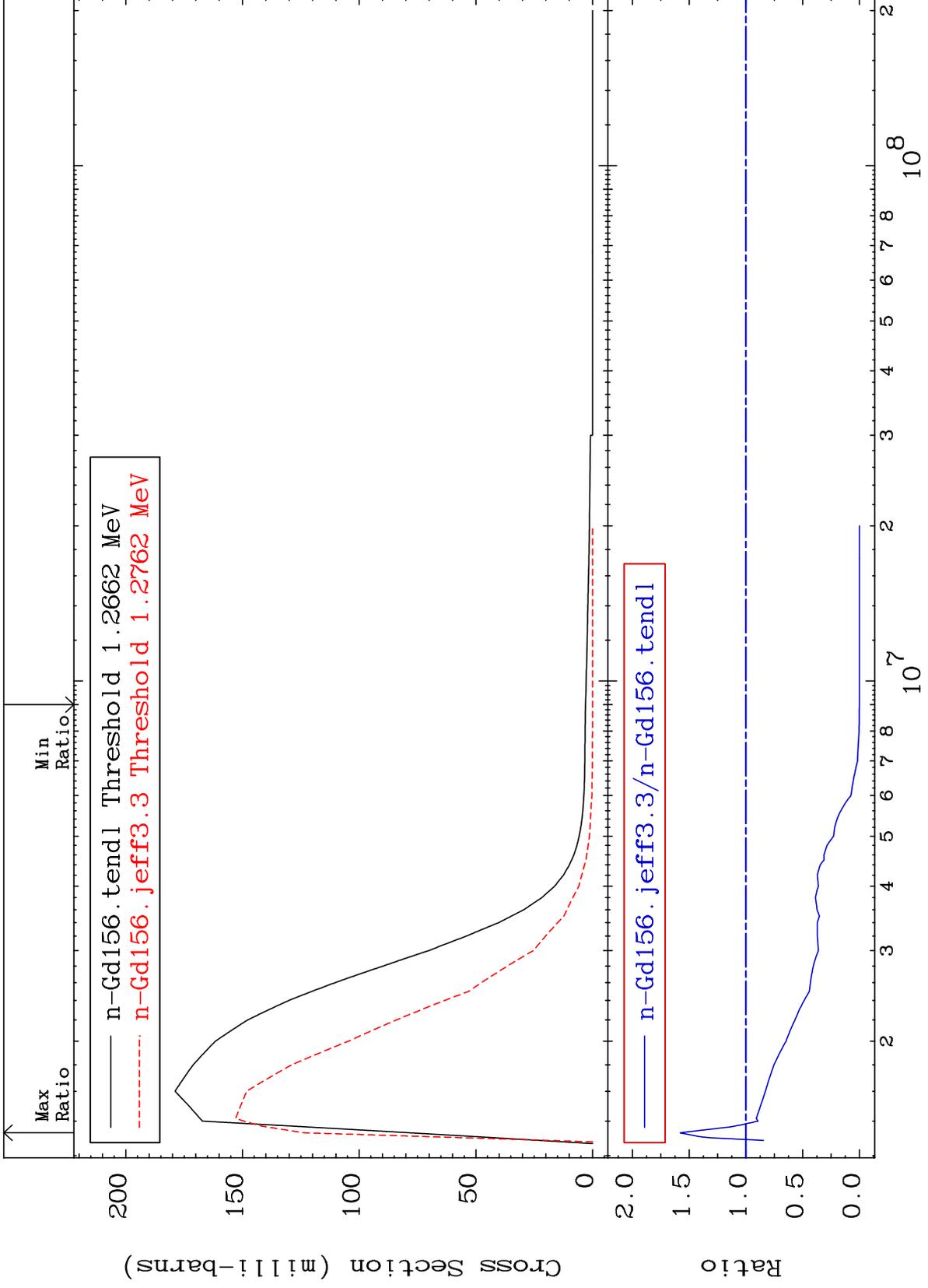
64-Gd-156

64-Gd-156

MAT 6437

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

64-Gd-156  
-100.0 To 57.85 %



15

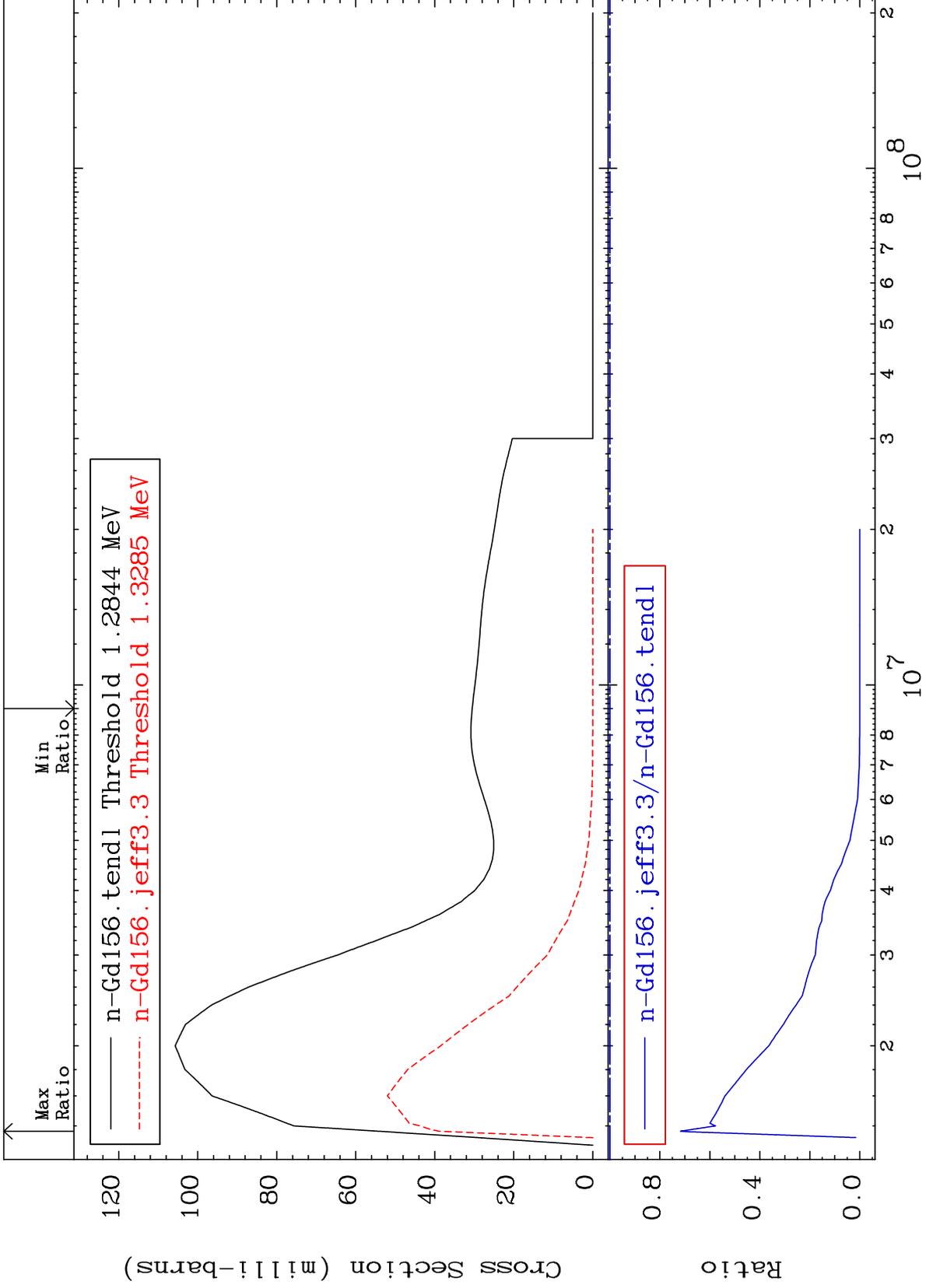
Incident Energy (eV)

64-Gd-156

MAT 6437

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

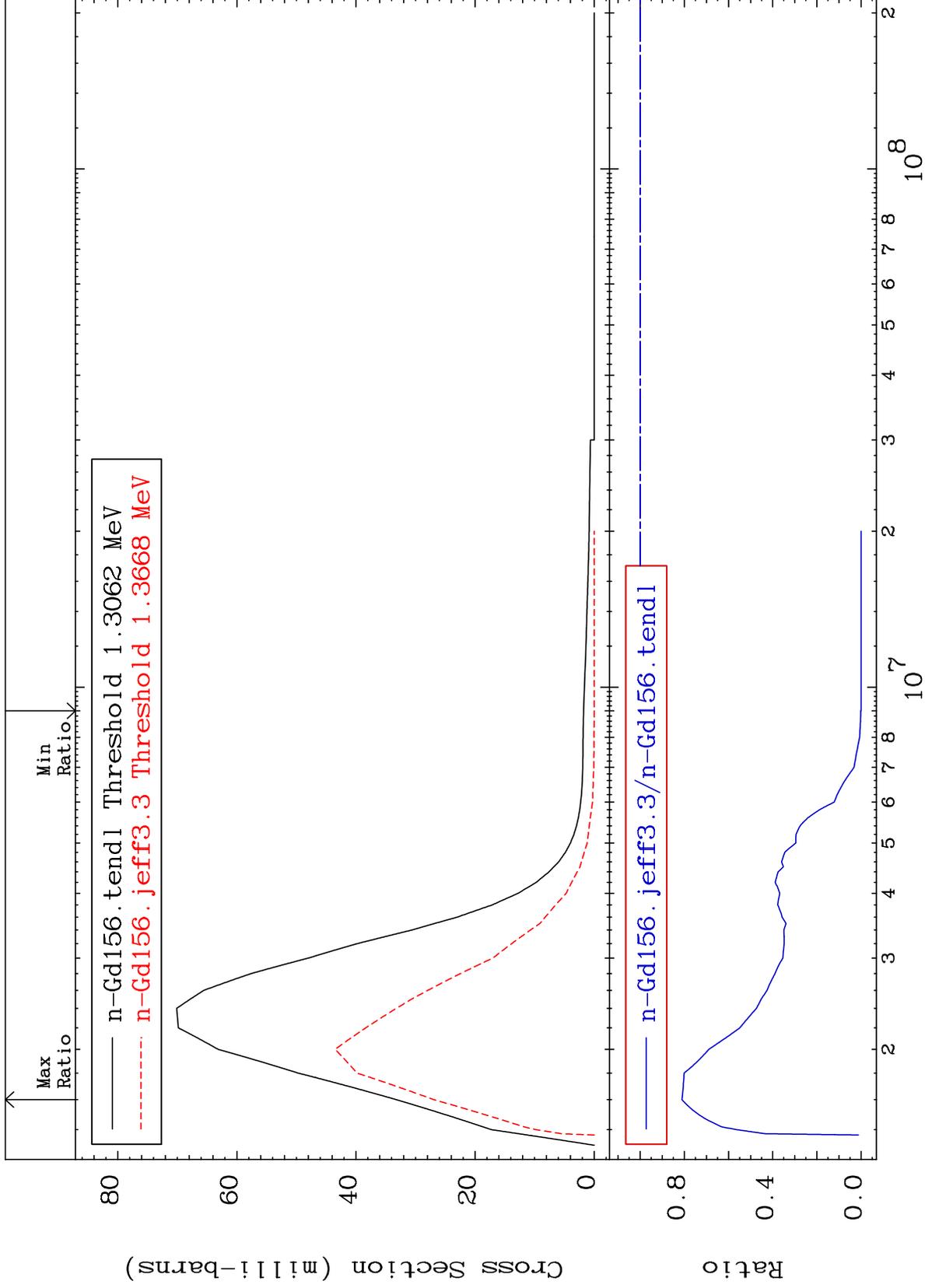
64-Gd-156  
-100.0 To -28.26%



MAT 6437

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

64-Gd-156  
-100.0 To -18.91%



17

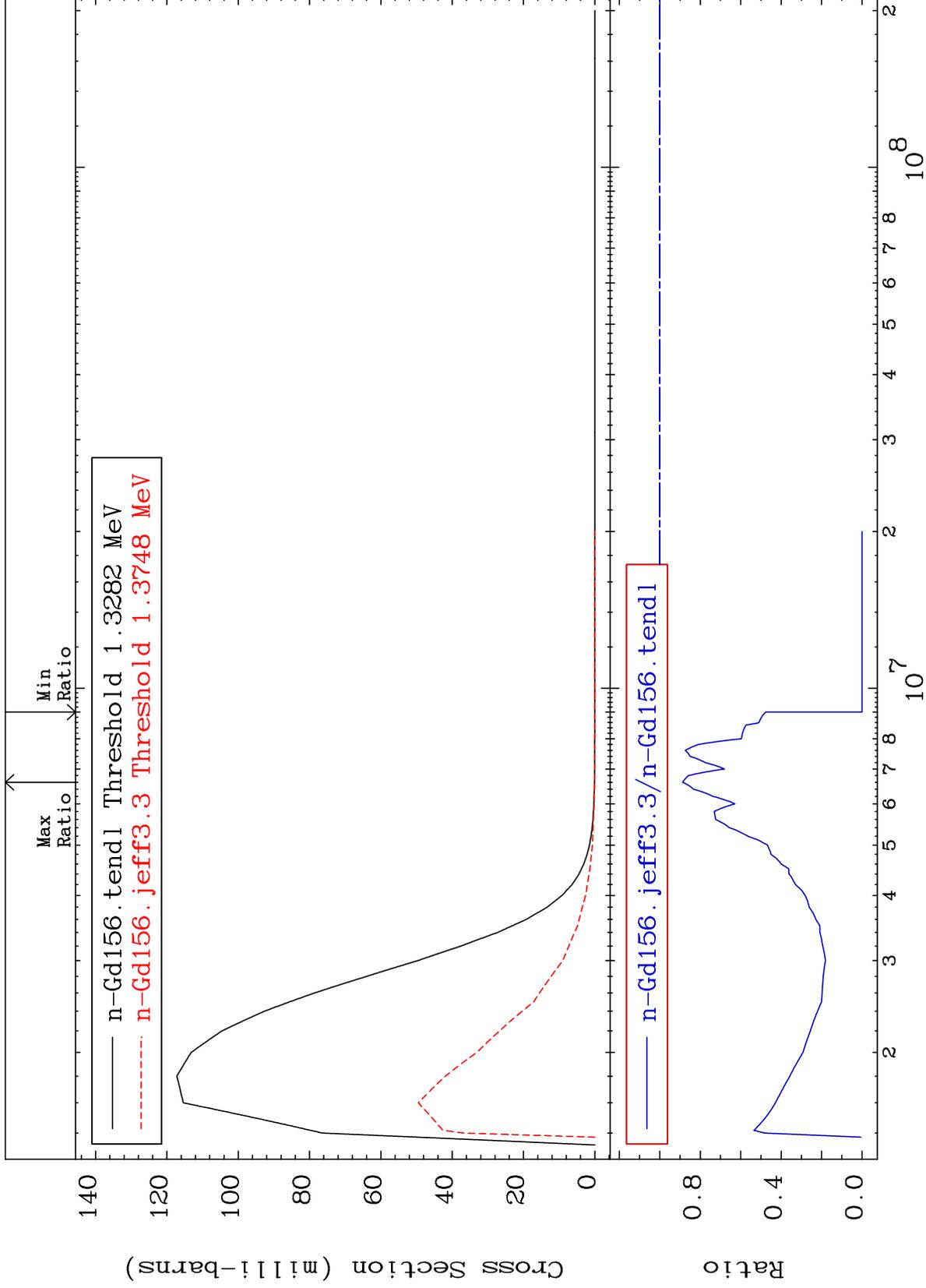
Incident Energy (eV)

64-Gd-156

MAT 6437

MT= 64 (n,n') Level  
Cross Section

64-Gd-156  
-100.0 To -11.28%



18

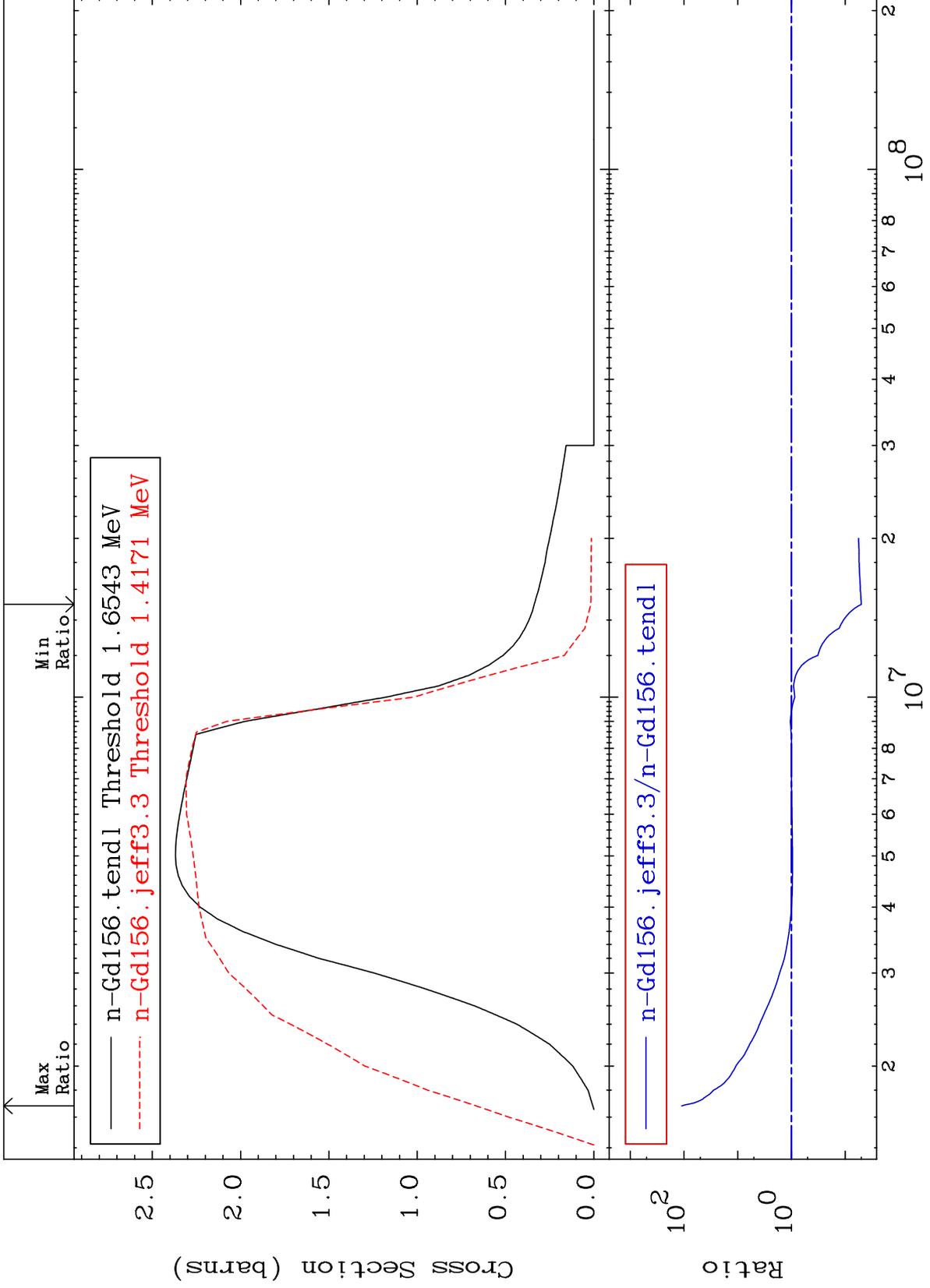
Incident Energy (eV)

64-Gd-156

MAT 6437

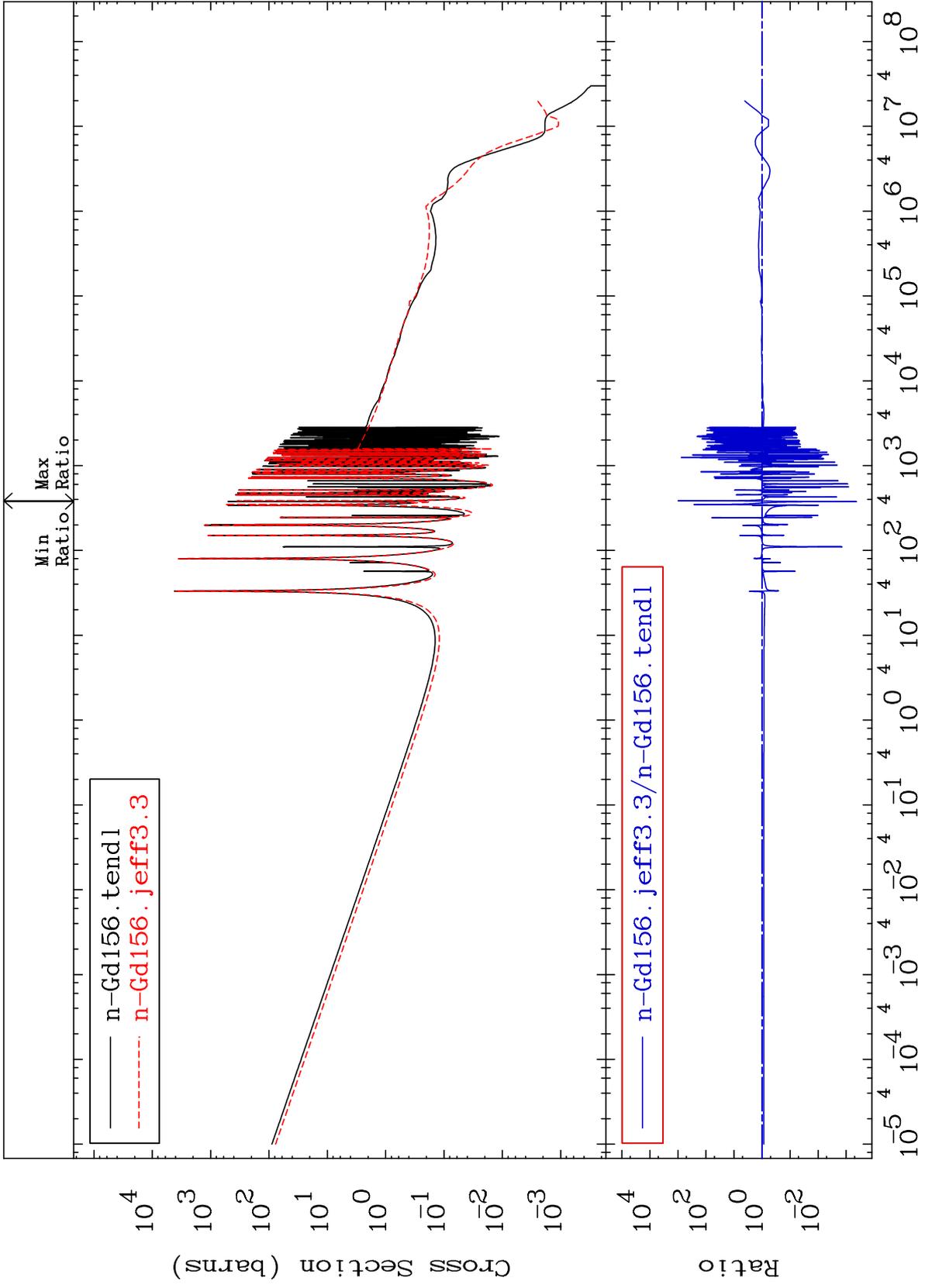
(n, n') Continuum  
Cross Section

64-Gd-156  
-94.99 To 9999. %



MAT 6437

(n,  $\gamma$ )  
Cross Section  
64-Gd-156  
-99.96 To 9999. %



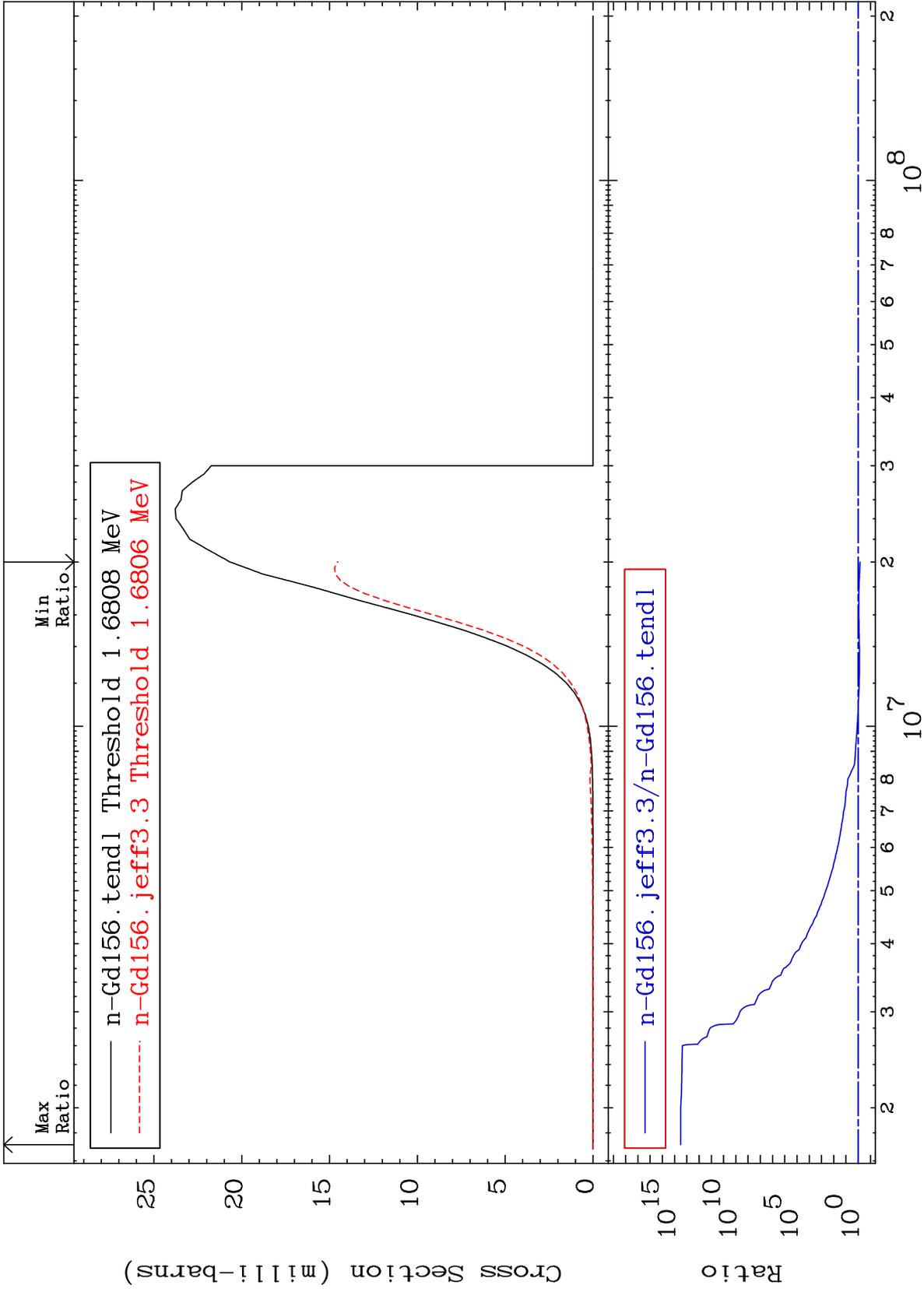
MAT 6437

(n,p)

64-Gd-156

Cross Section

-29.57 To 9999. %



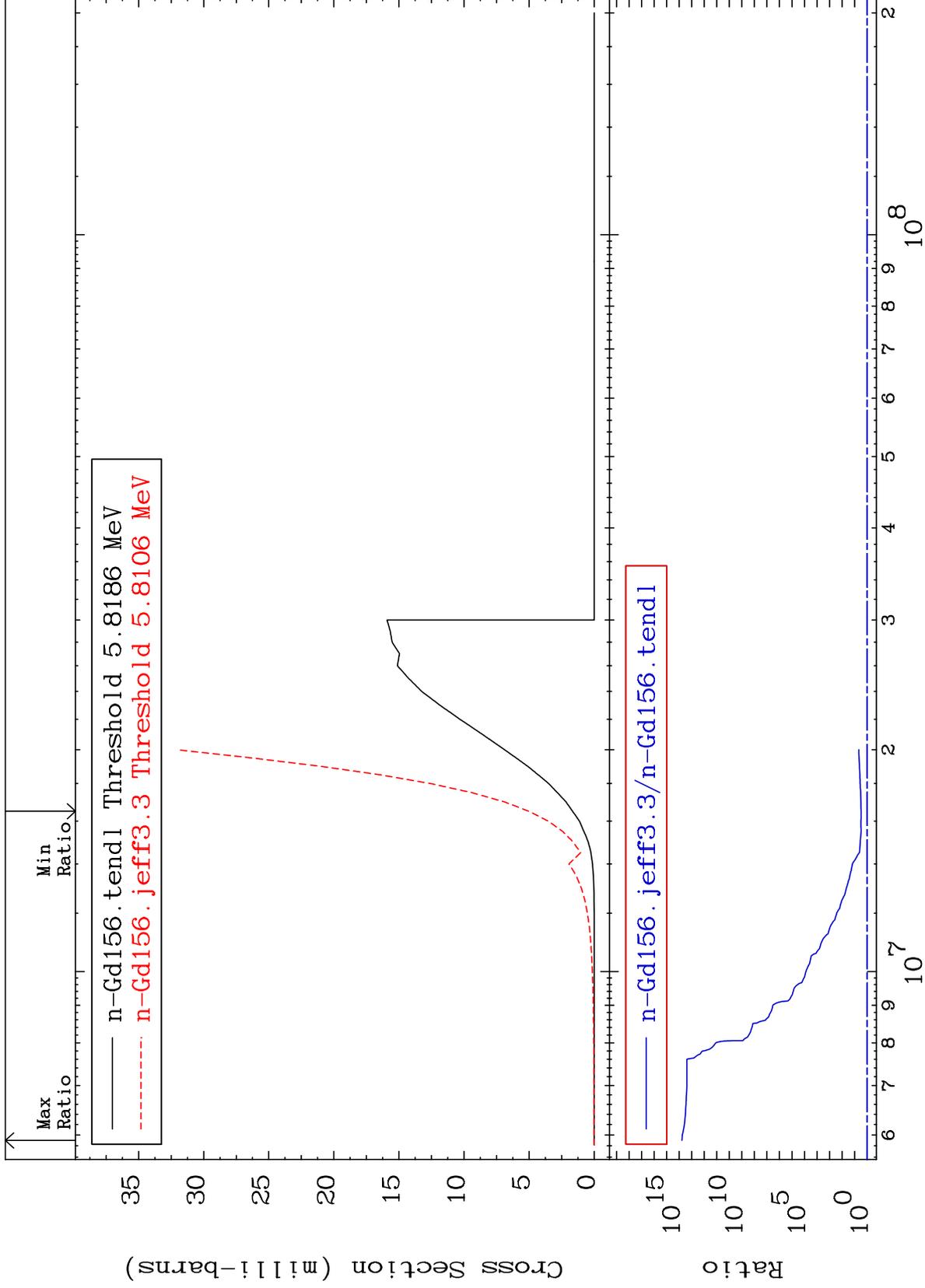
MAT 6437

(n, d)

64-Gd-156

Cross Section

202.2 To 9999. %



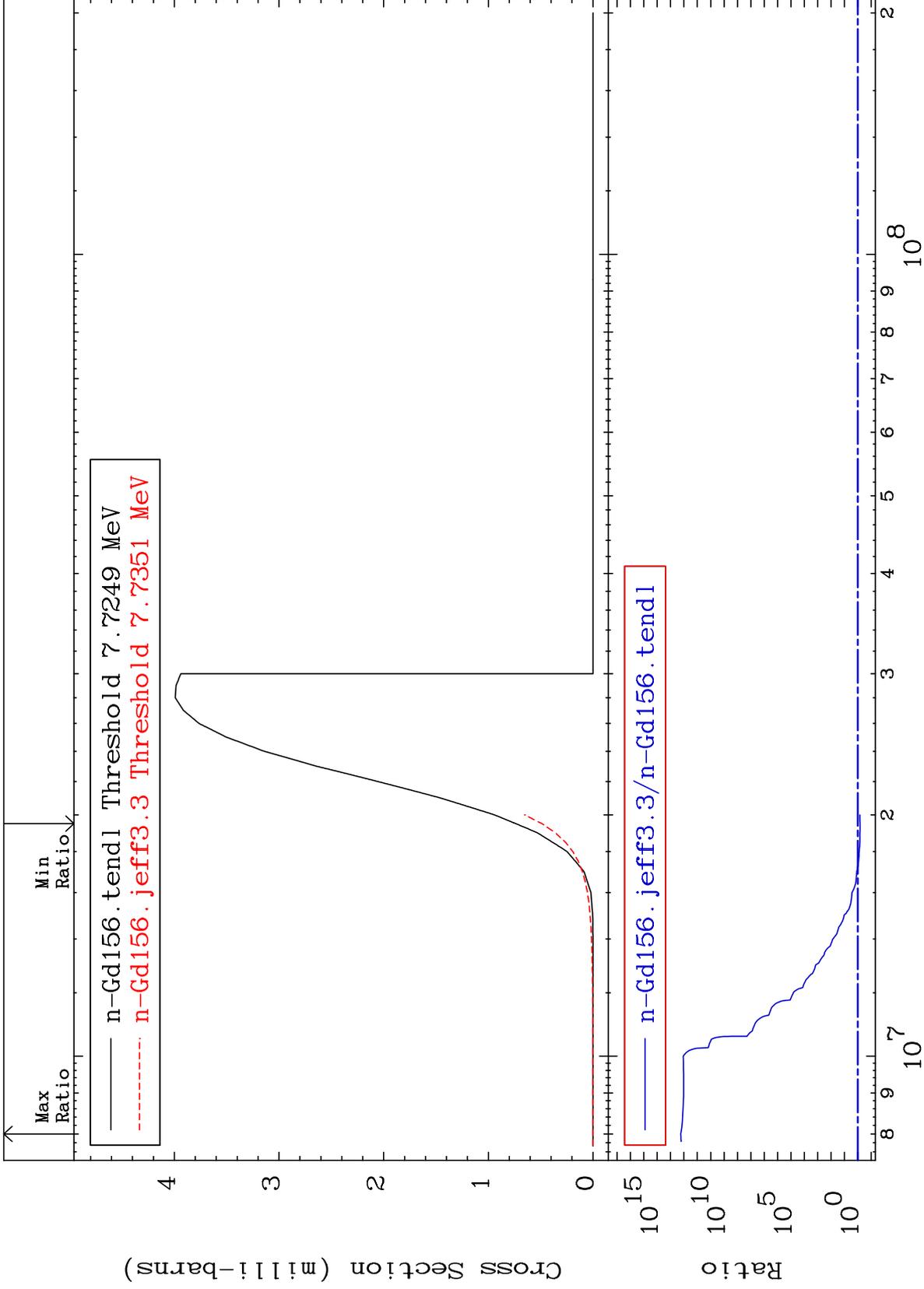
MAT 6437

(n, t)

64-Gd-156

Cross Section

-33.85 To 9999. %



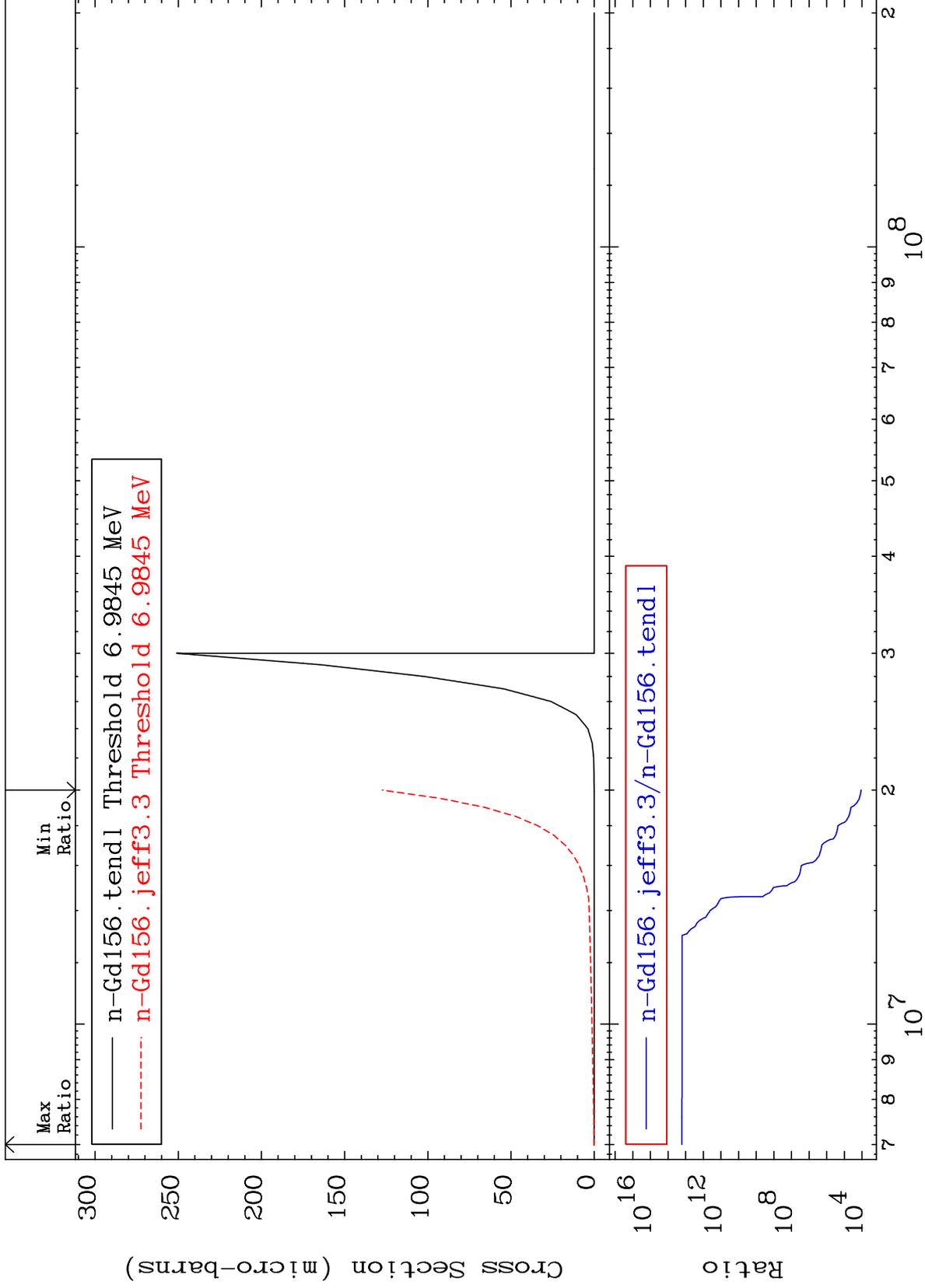
MAT 6437

(n, He-3)

64-Gd-156

Cross Section

9999. To 9999. %



24

Incident Energy (eV)

64-Gd-156

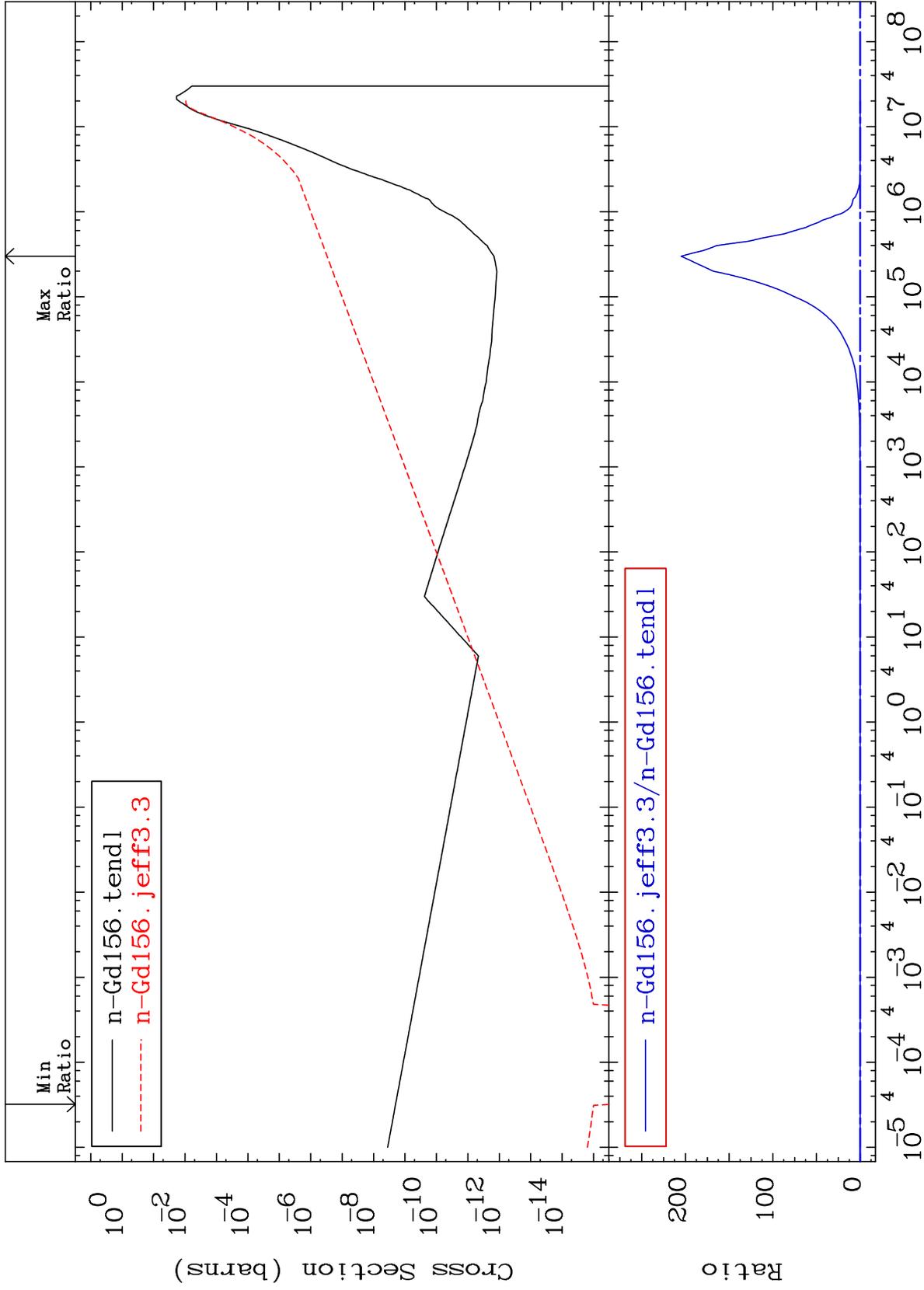
MAT 6437

(n,  $\alpha$ )

64-Gd-156

Cross Section

-100.0 To 9999. %



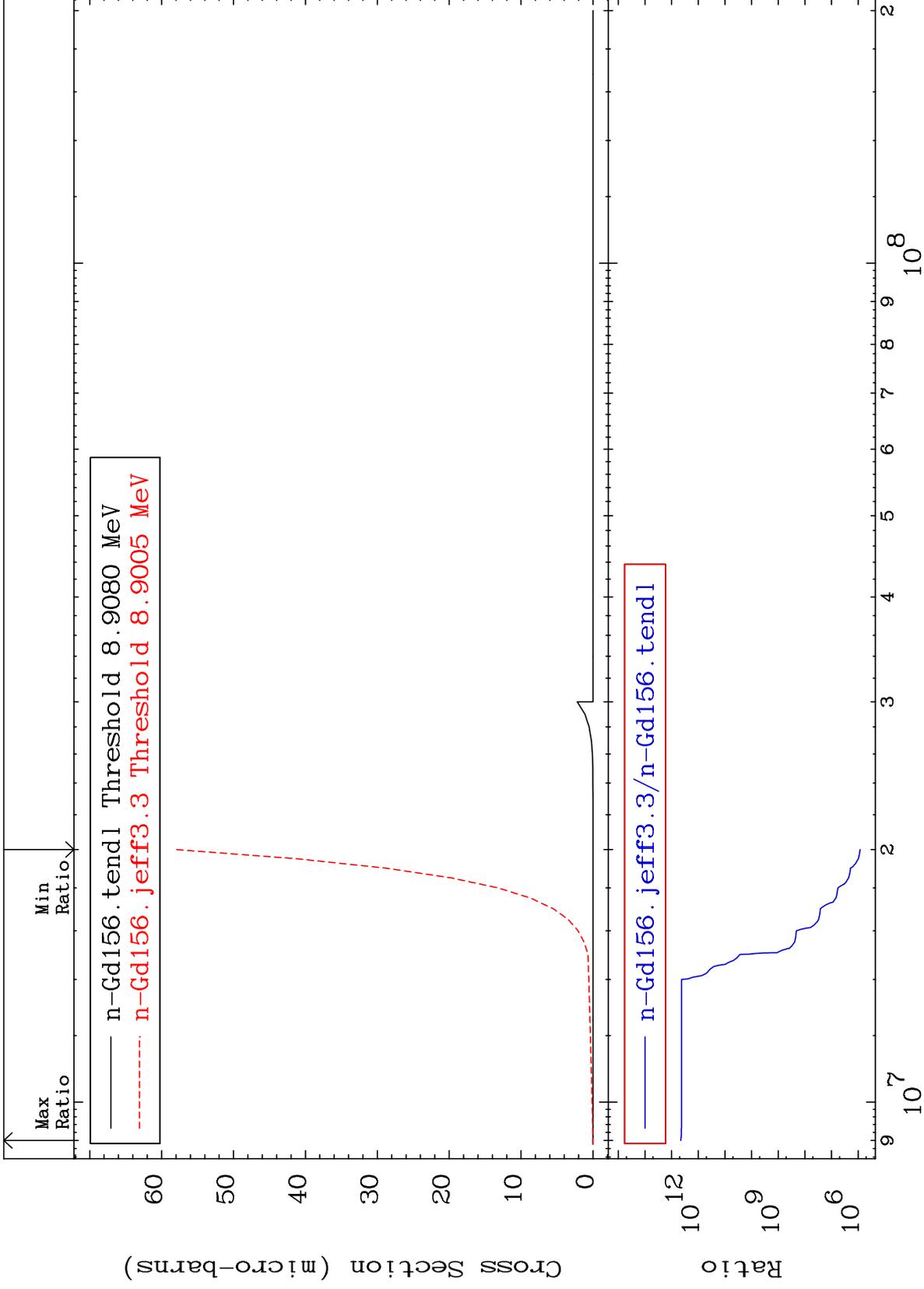
MAT 6437

(n,2p)

64-Gd-156

Cross Section

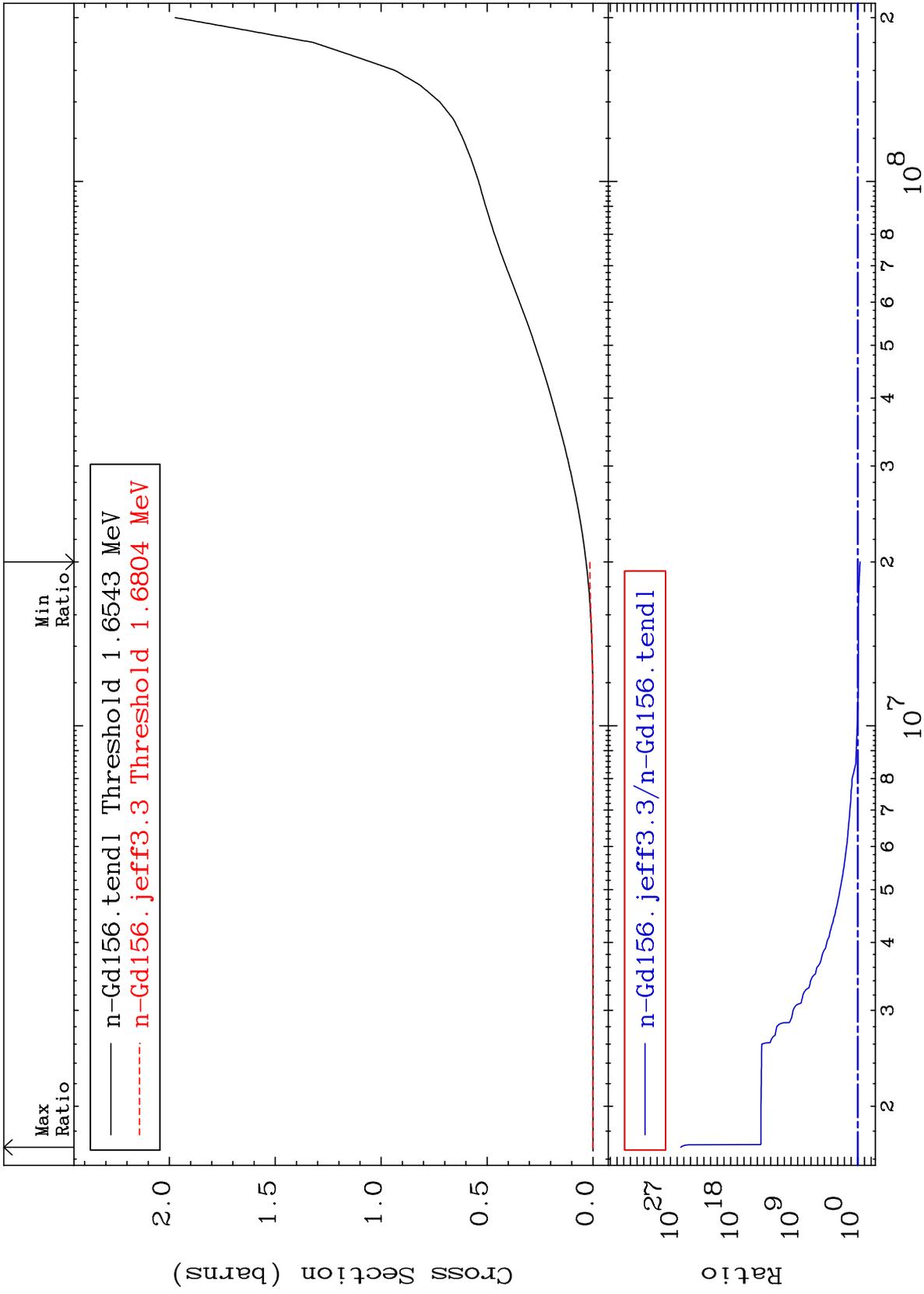
9999. To 9999. %



26

Incident Energy (eV)

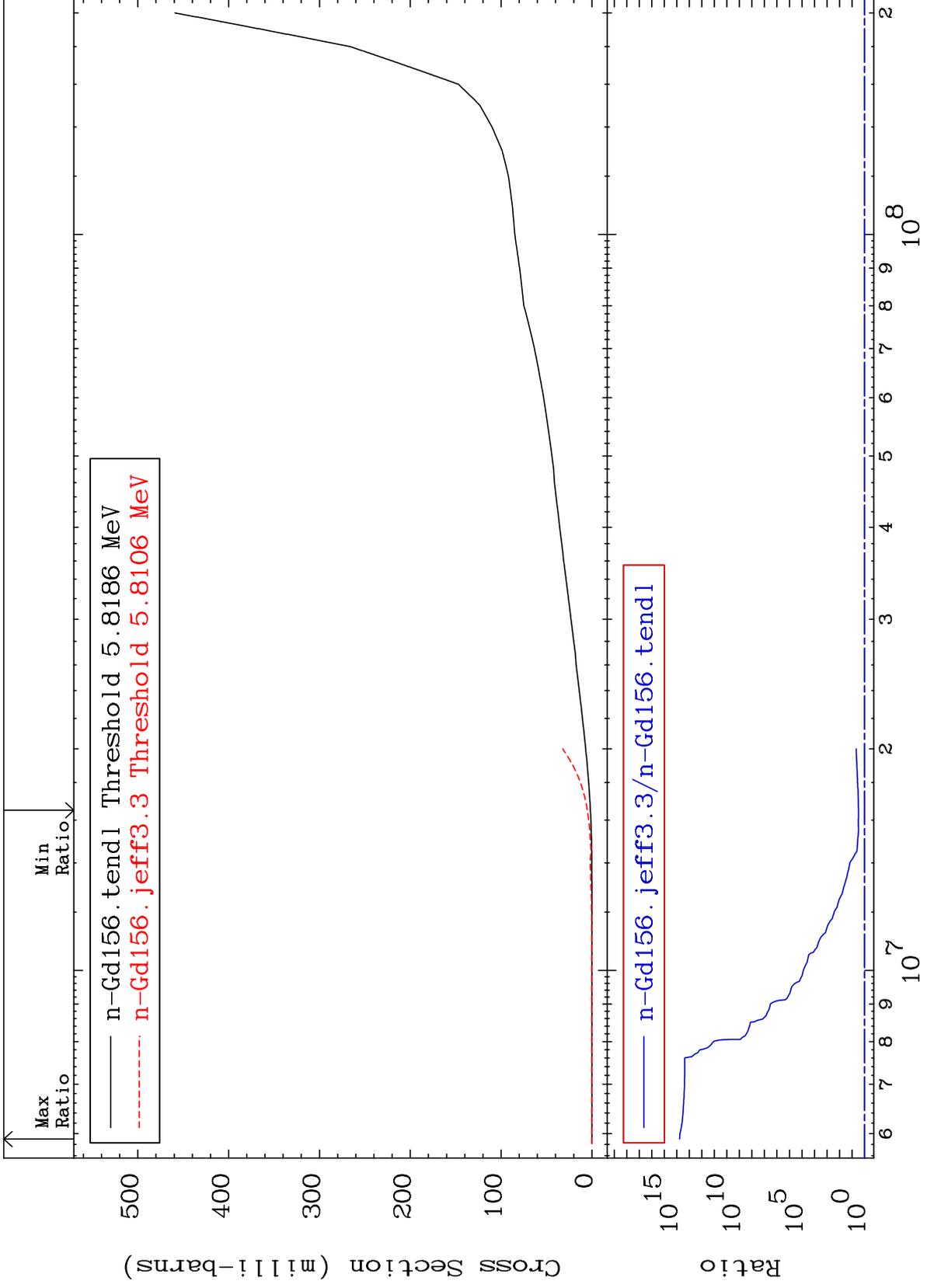
64-Gd-156

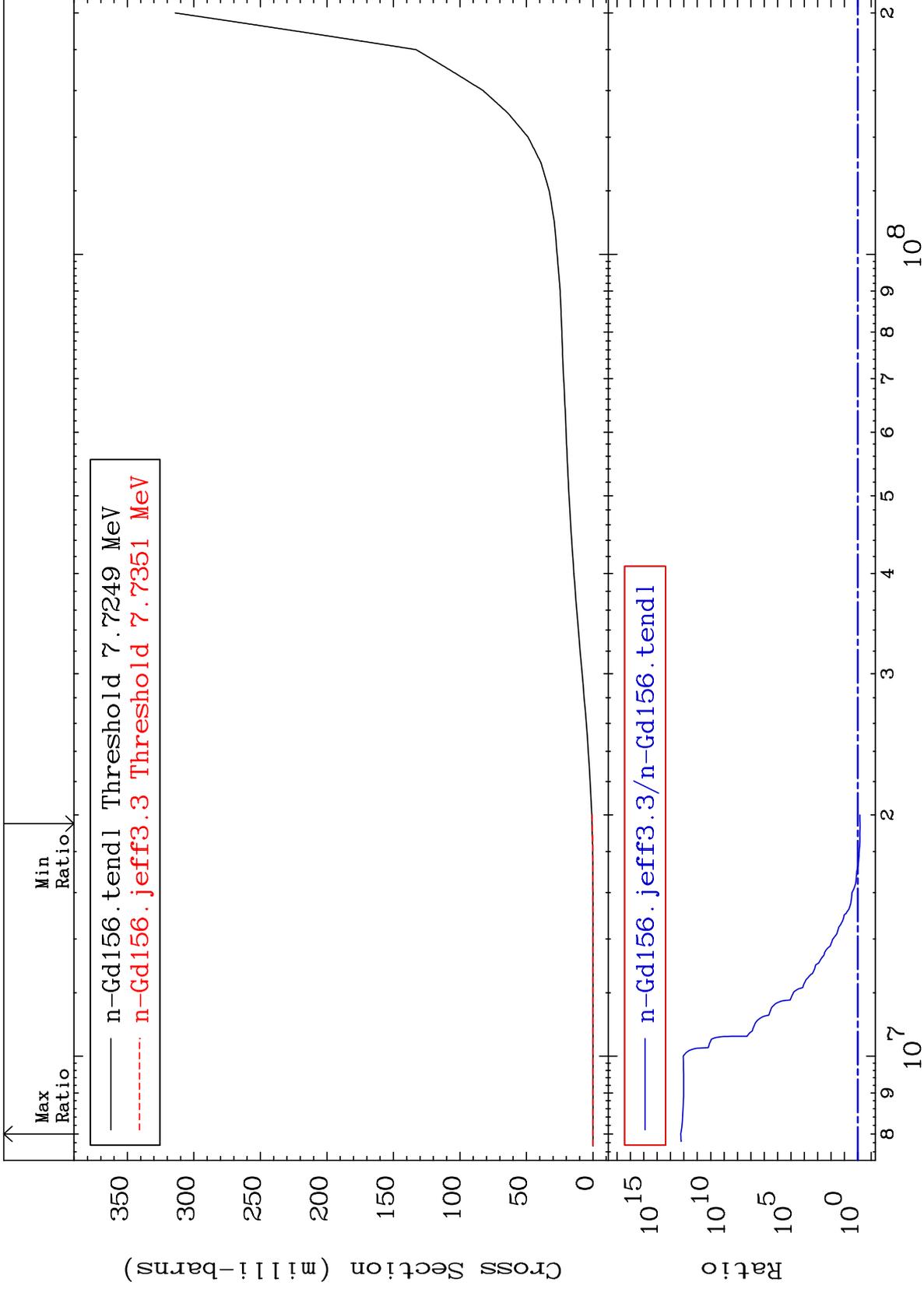


MAT 6437

Deuterium Production  
Cross Section

64-Gd-156  
202.2 To 9999. %

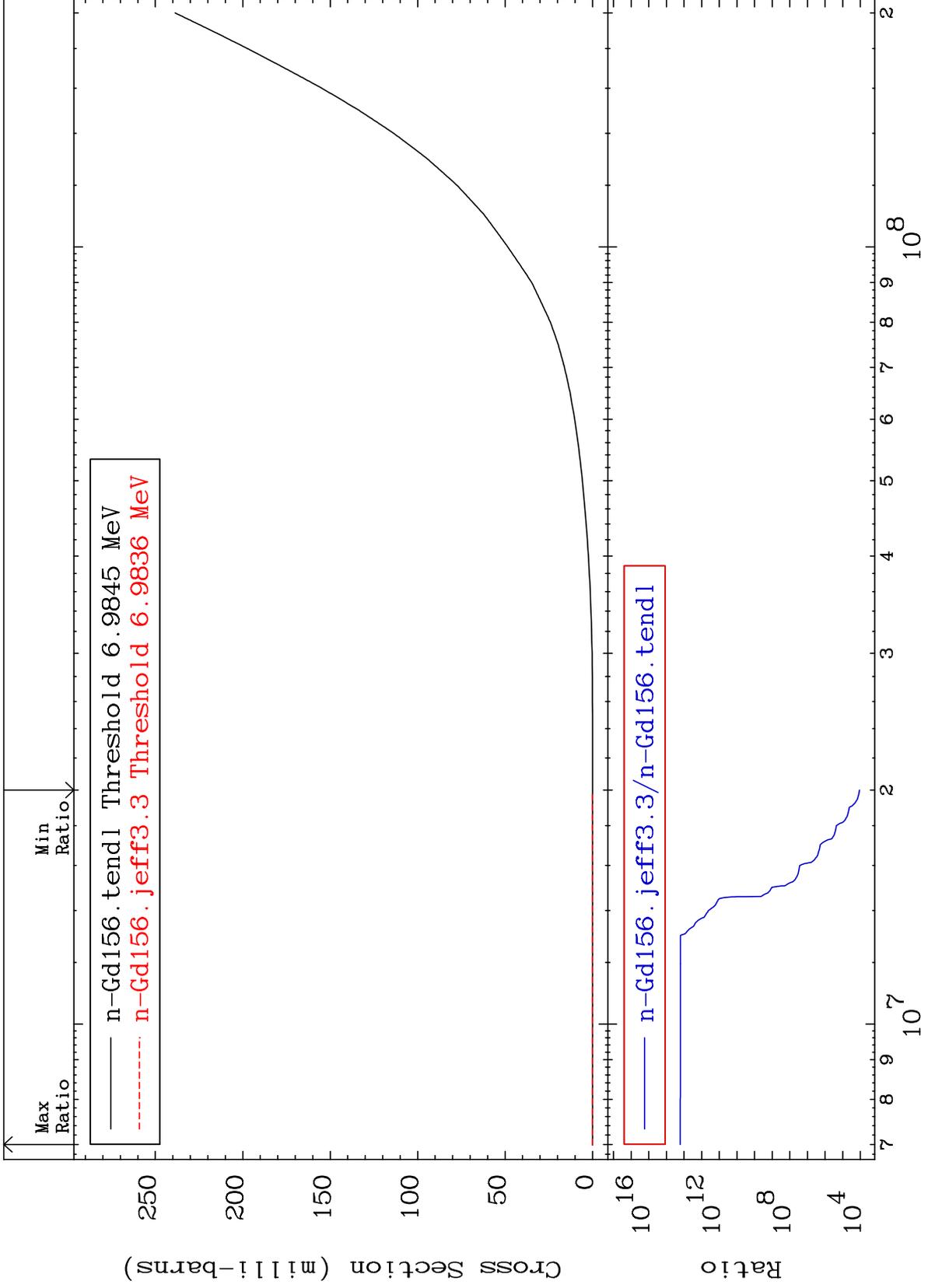




MAT 6437

He-3 Production  
Cross Section

64-Gd-156  
To 9999. %



30

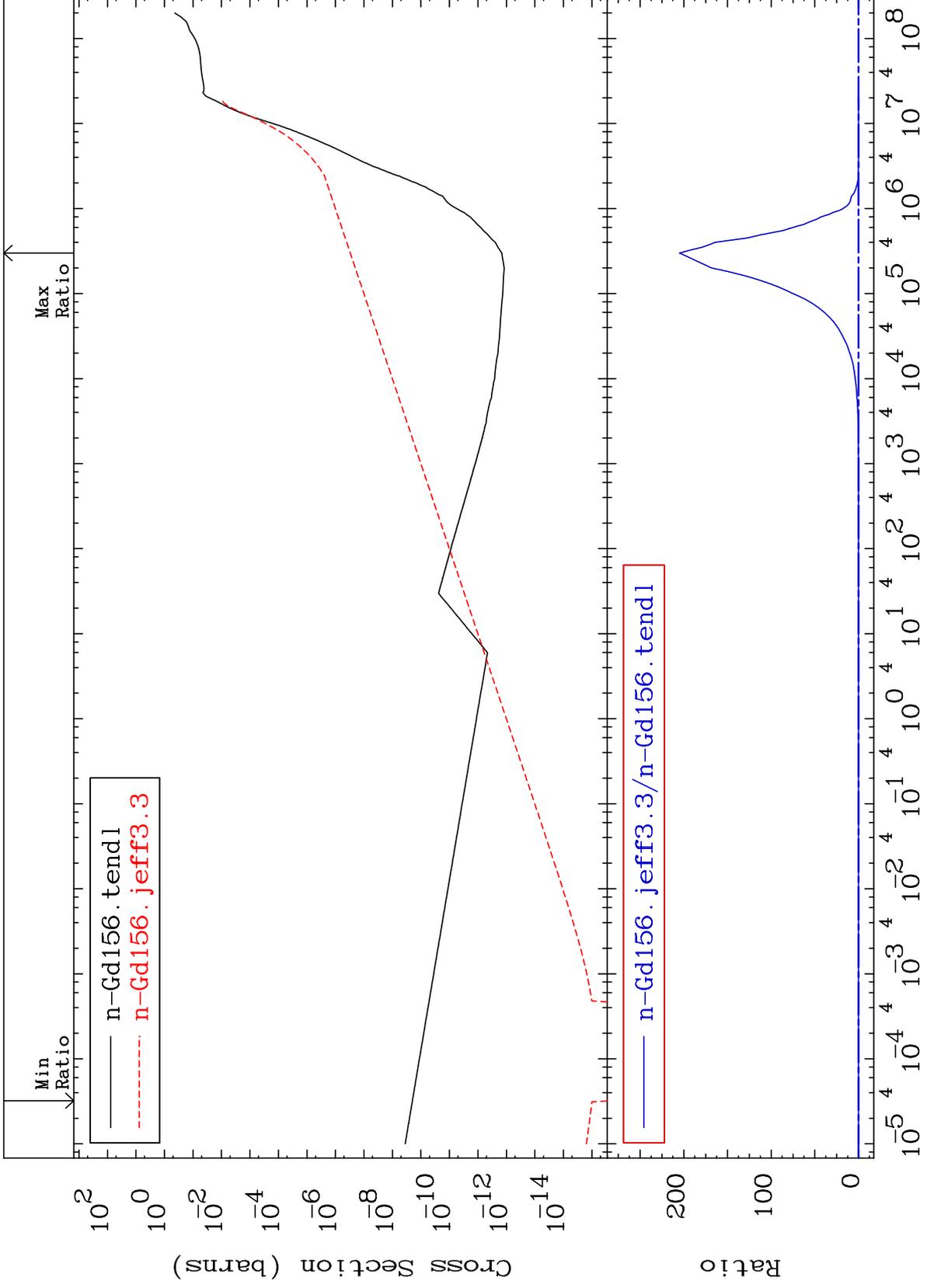
Incident Energy (eV)

64-Gd-156

MAT 6437

He-4 Production  
Cross Section

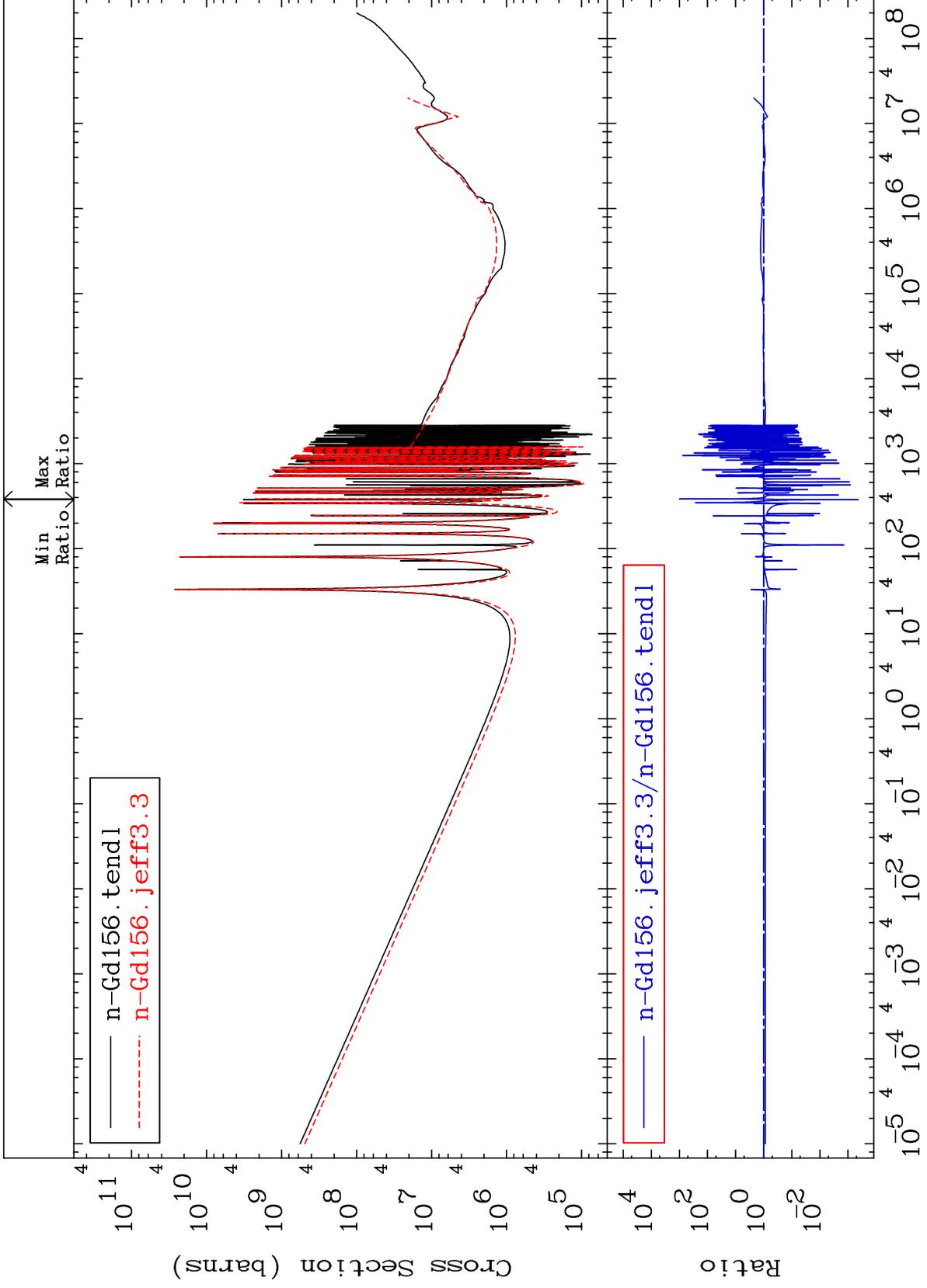
64-Gd-156  
-100.0 To 9999. %

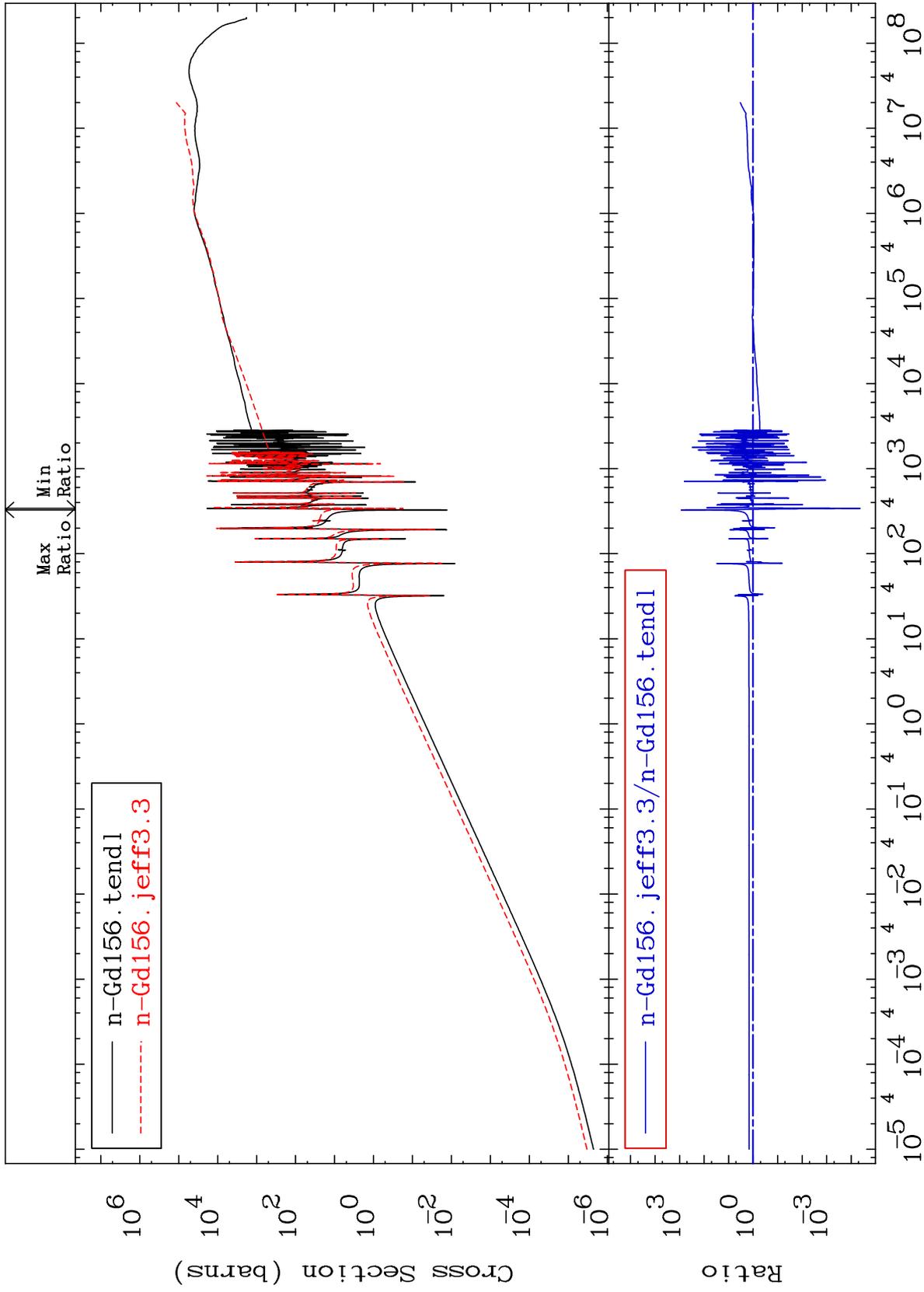


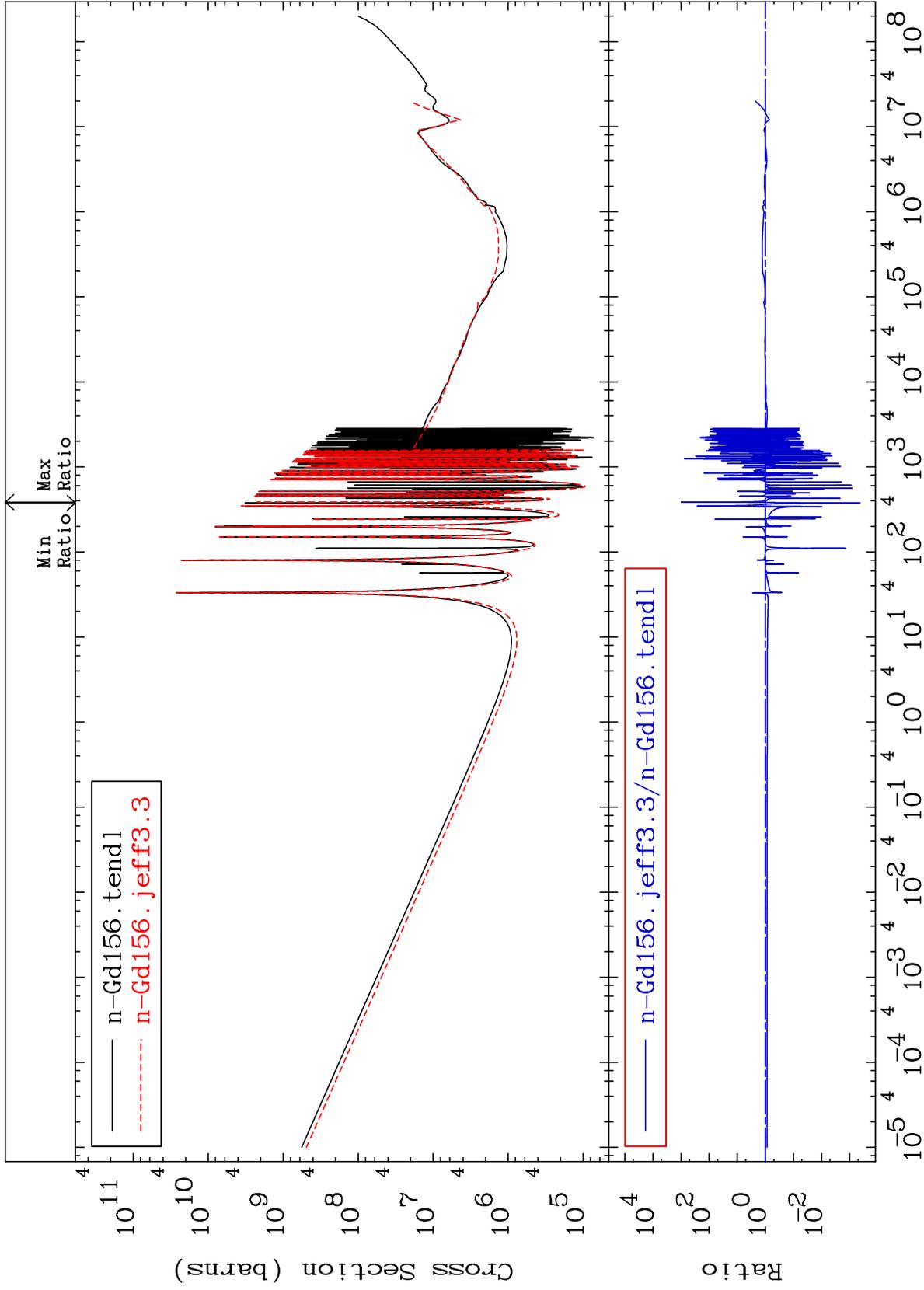
MAT 6437

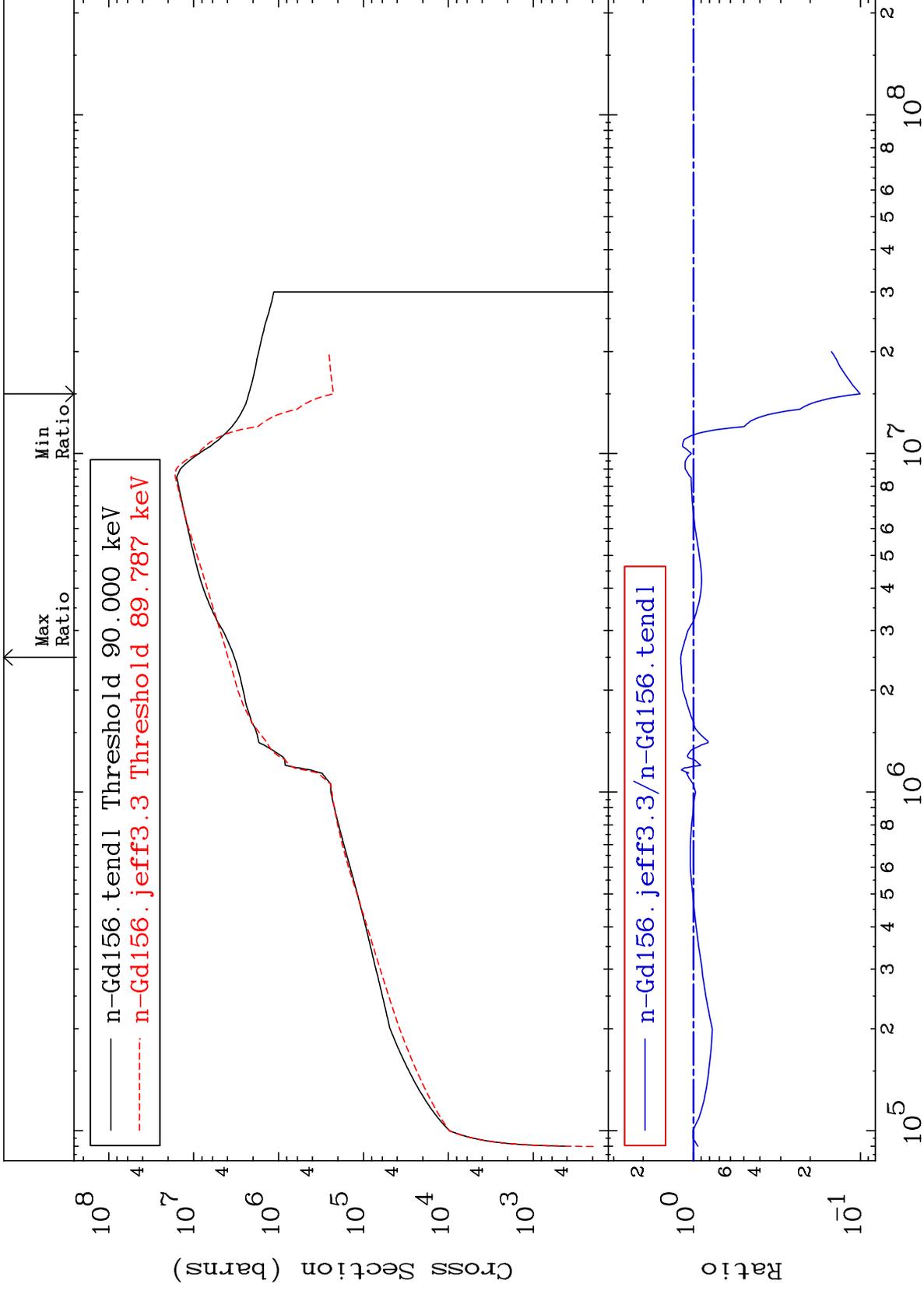
Kerma total (eV-barns)  
Cross Section

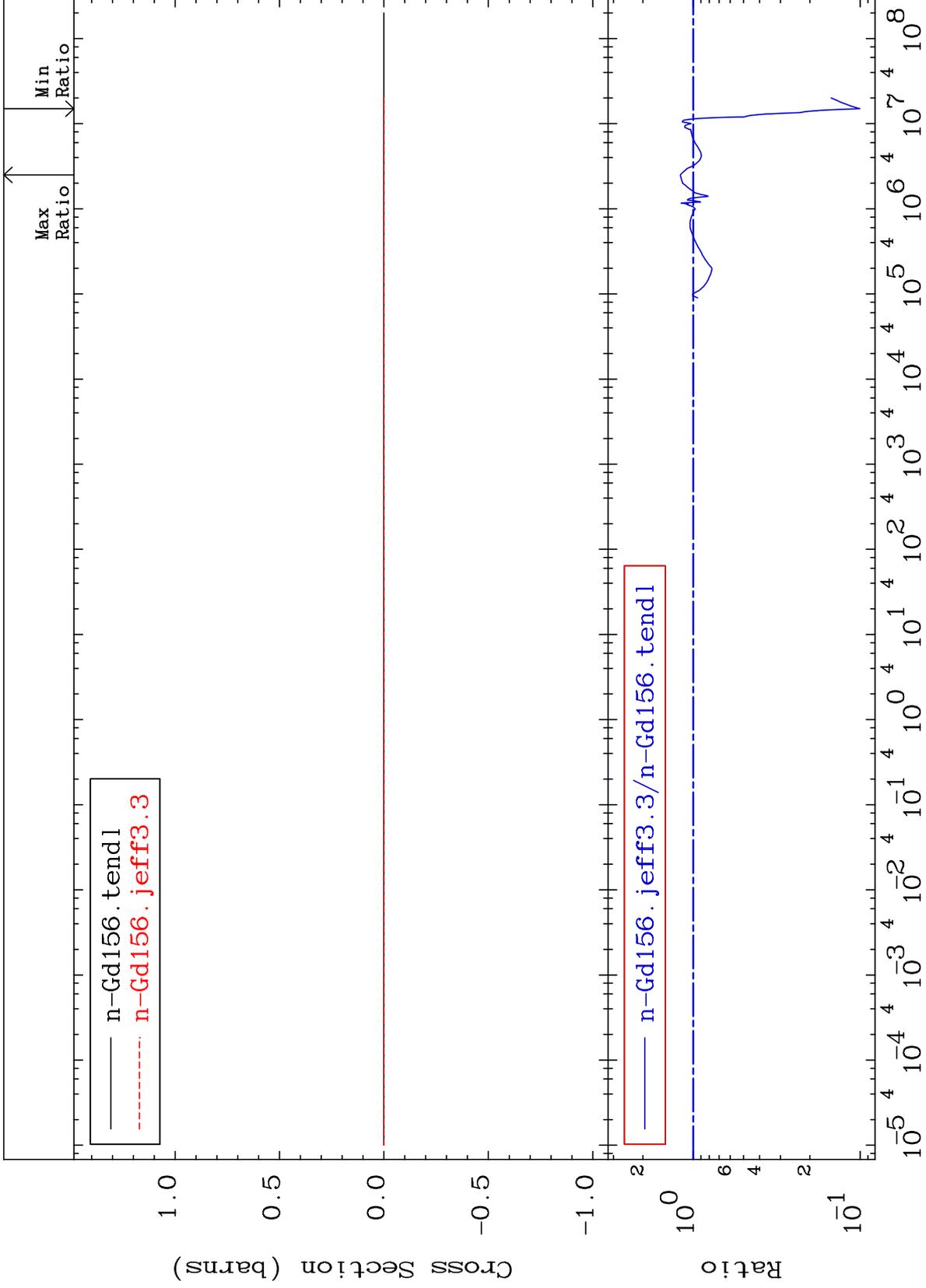
64-Gd-156  
-99.96 To 9999. %

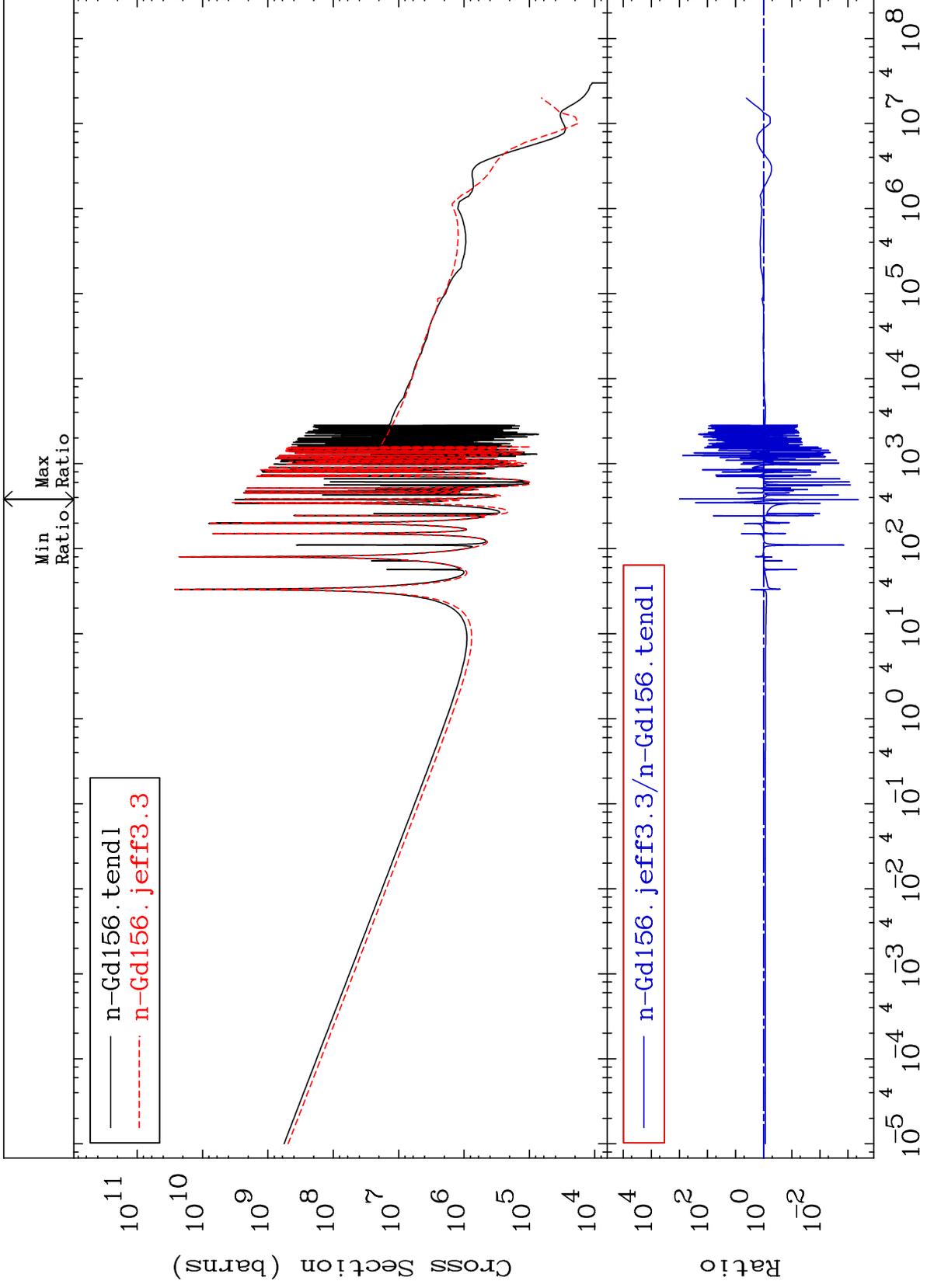








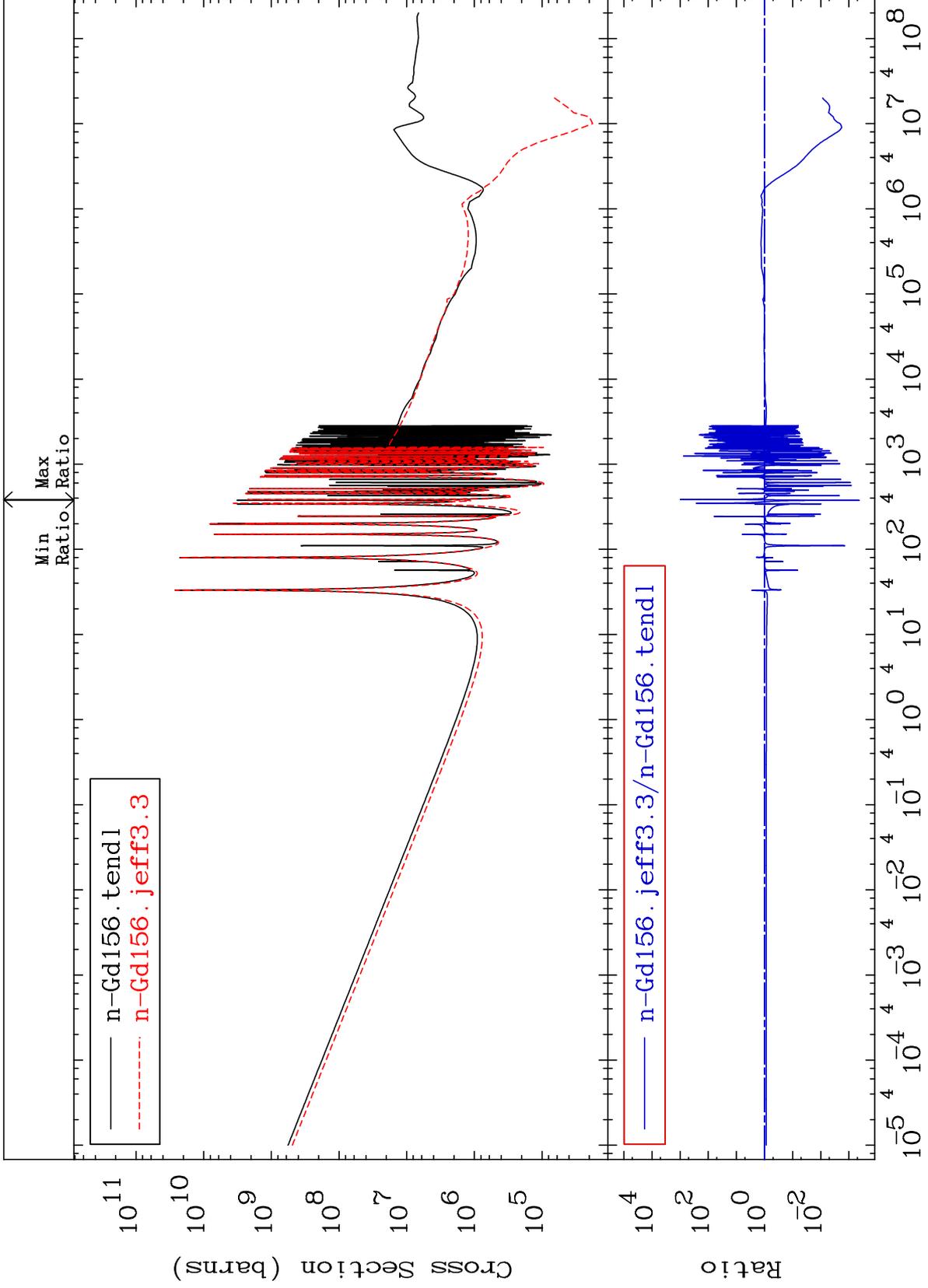


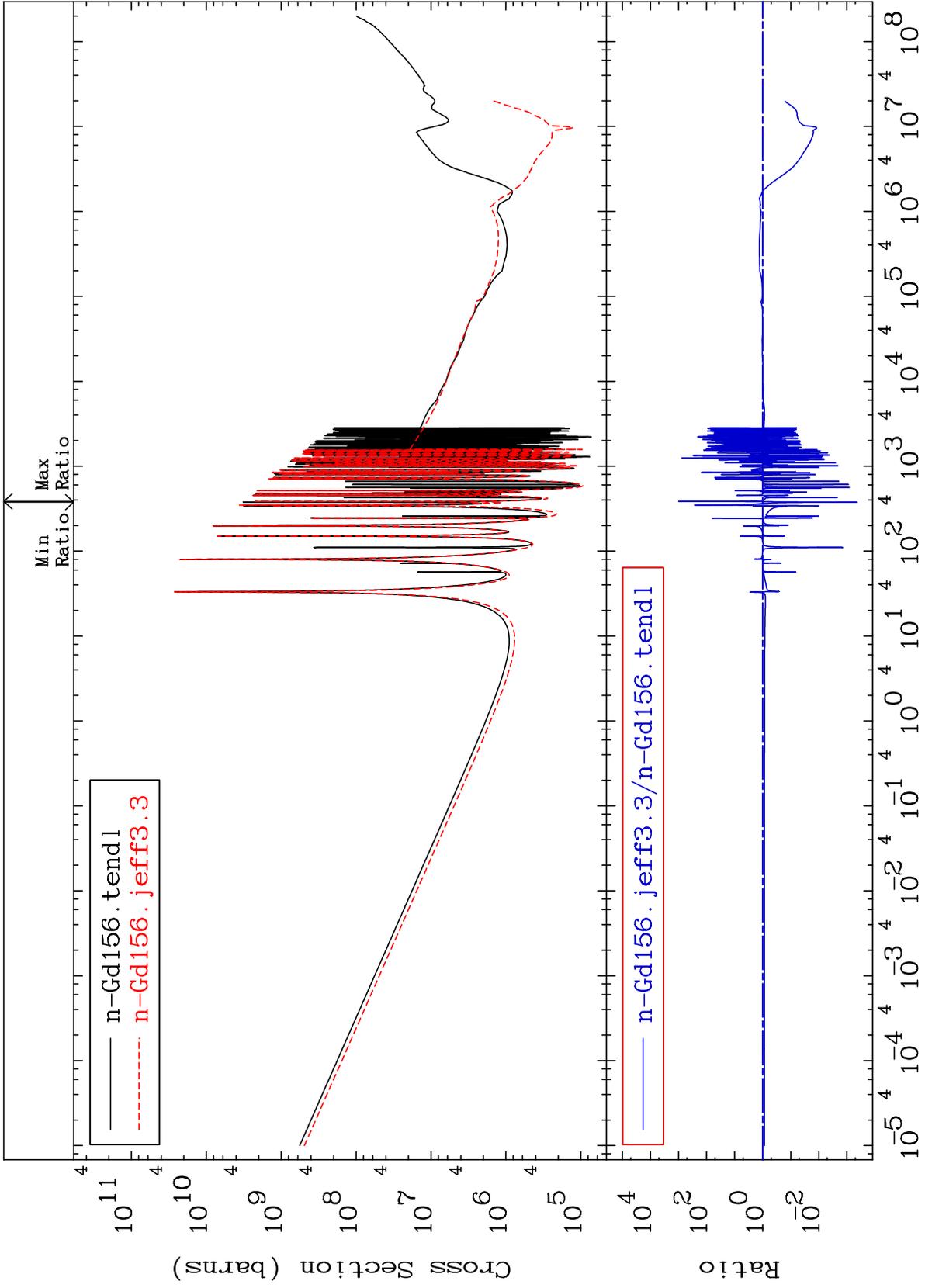


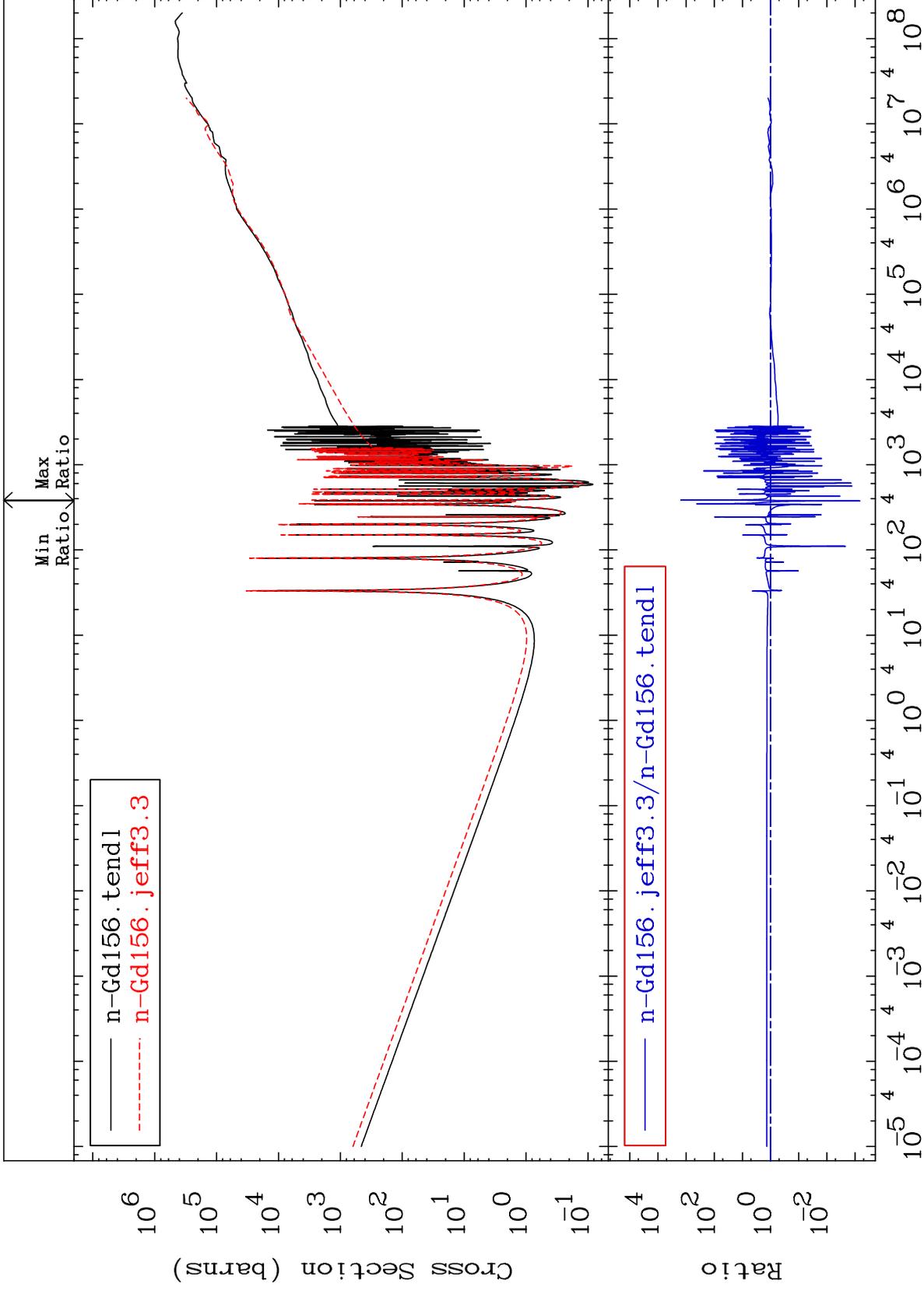
MAT 6437

Total photon (eV-barns)  
Cross Section

64-Gd-156  
-99.96 To 9999. %



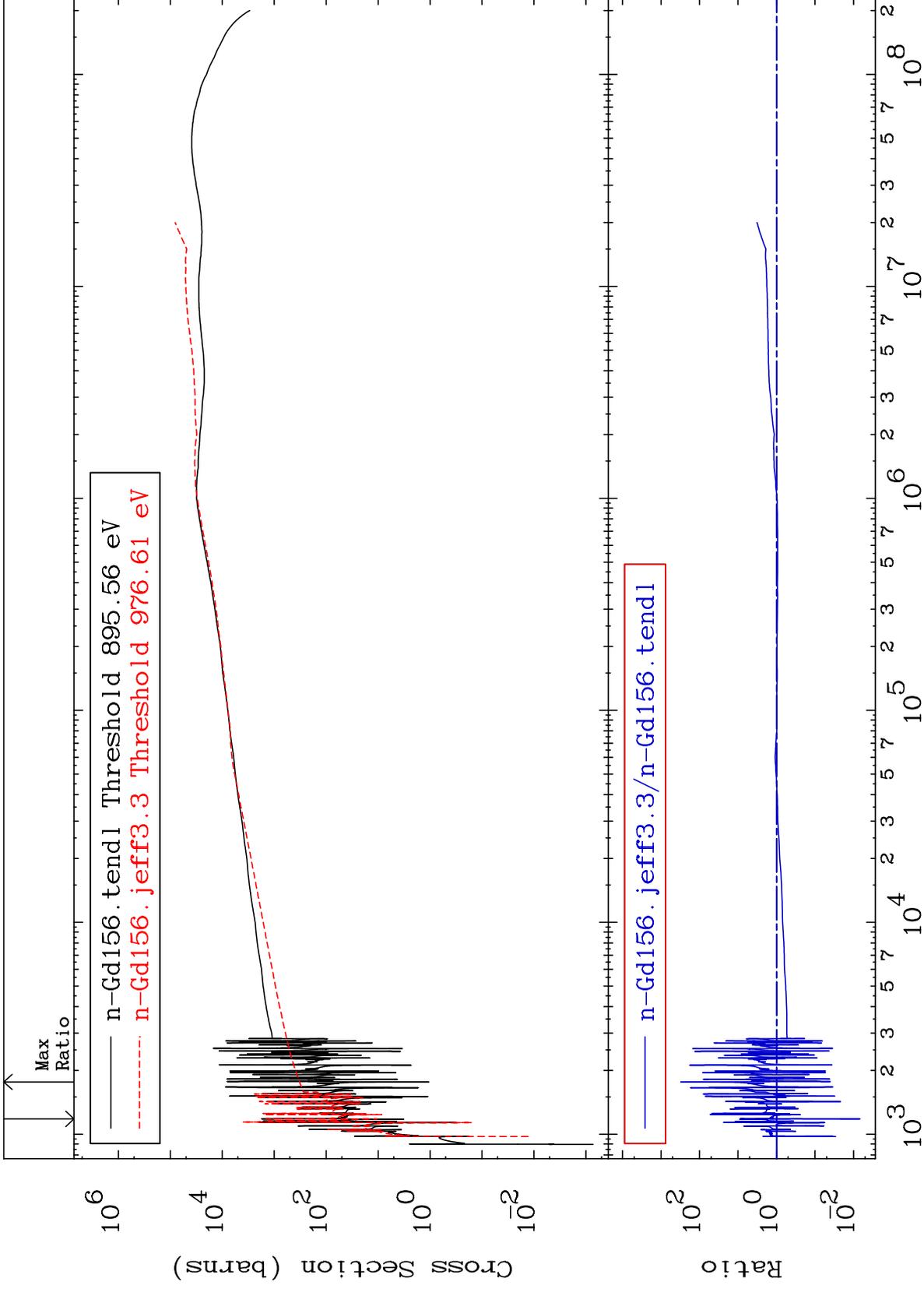




MAT 6437

Dpa elastic (mt2)  
Cross Section

64-Gd-156  
-99.32 To 9999. %



MAT 6437

Dpa inelastic (mt51-91)  
Cross Section

64-Gd-156  
-96.62 To 12.31 %

