

Program Complot  
(Version 2018-1)

by

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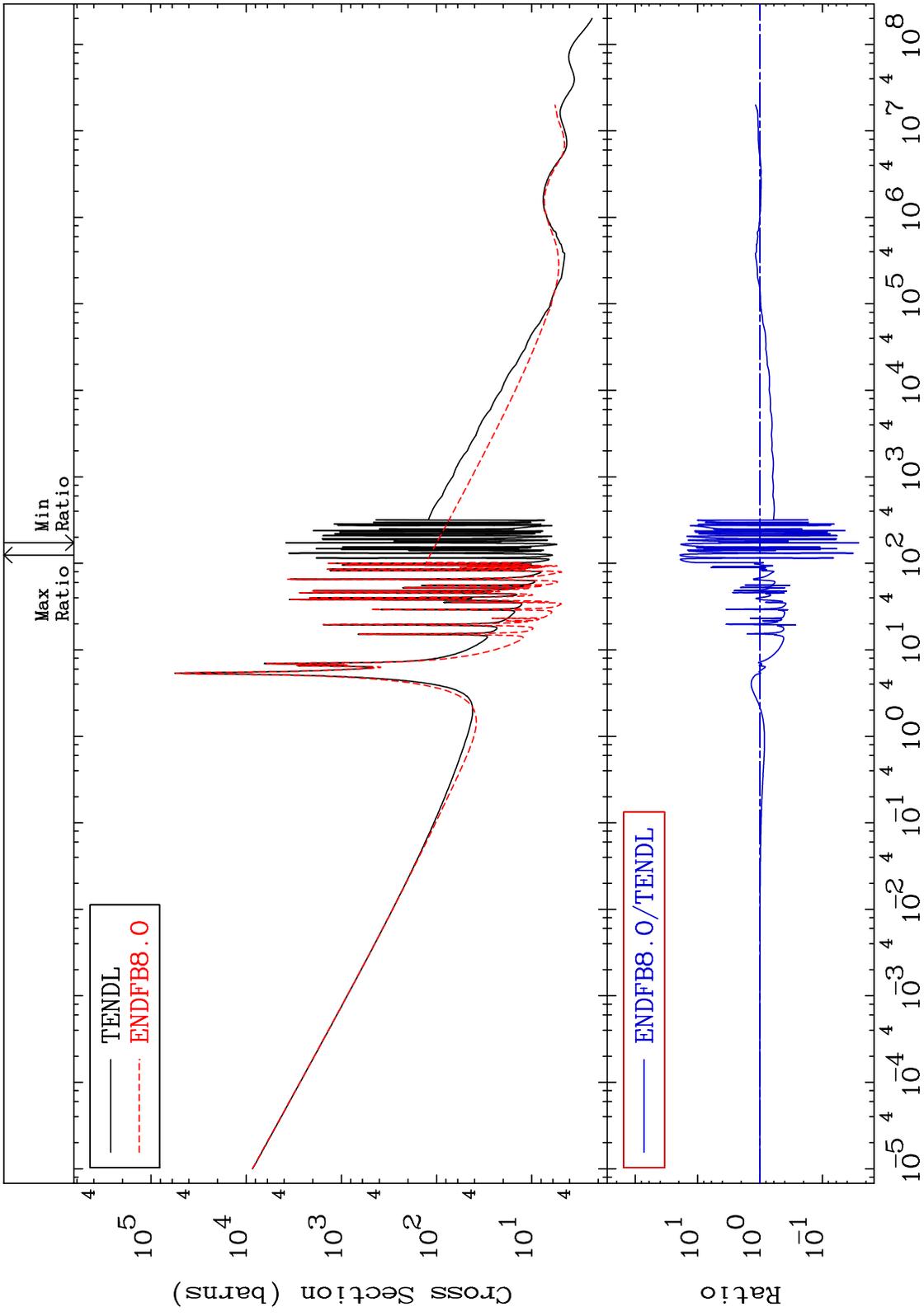
U.S.A.

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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

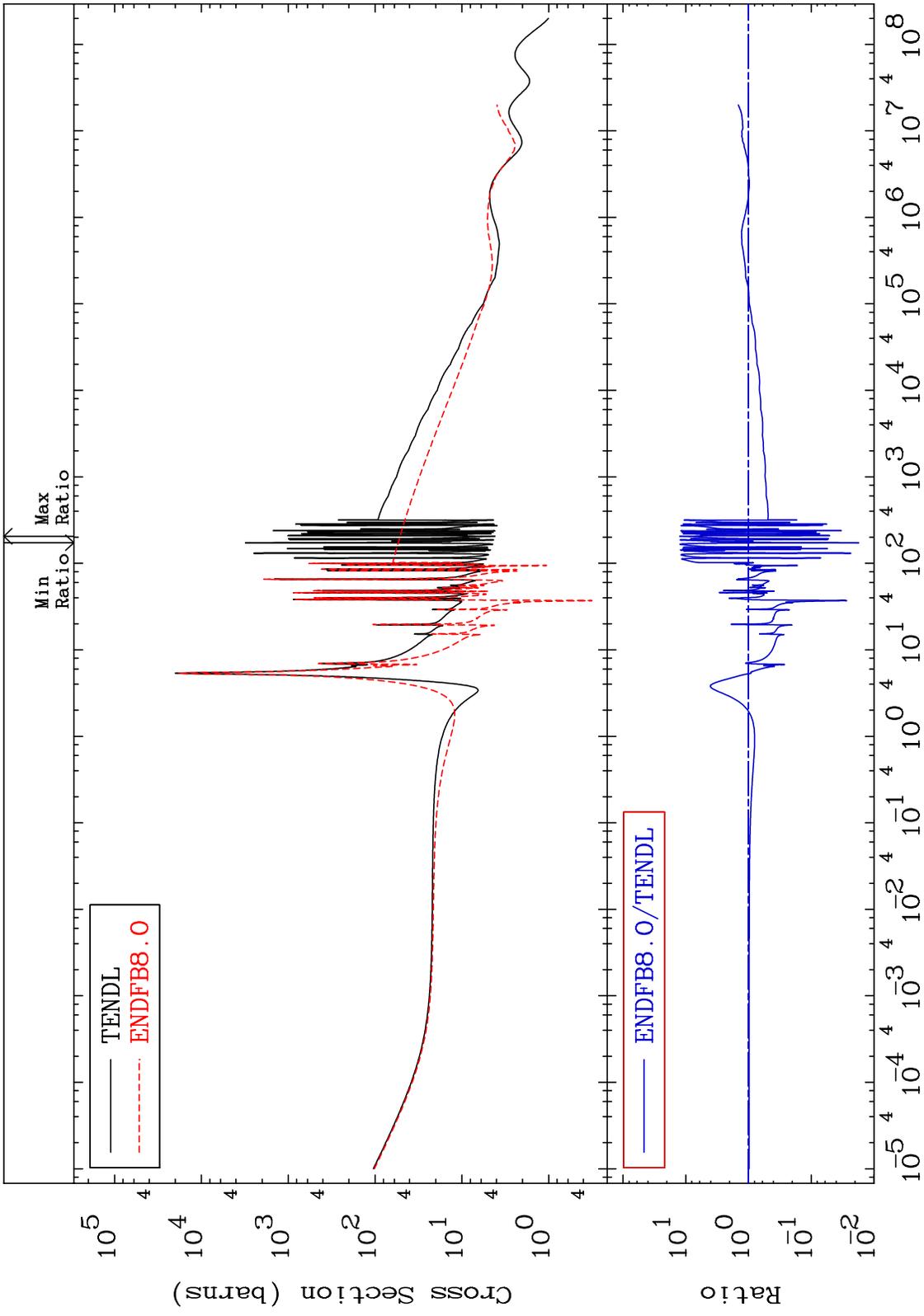
Press Mouse Button to Start

MAT 6149 61-Pm-147  
Total -97.40 To 1836. %  
Cross Section



1 Incident Energy (eV) 61-Pm-147

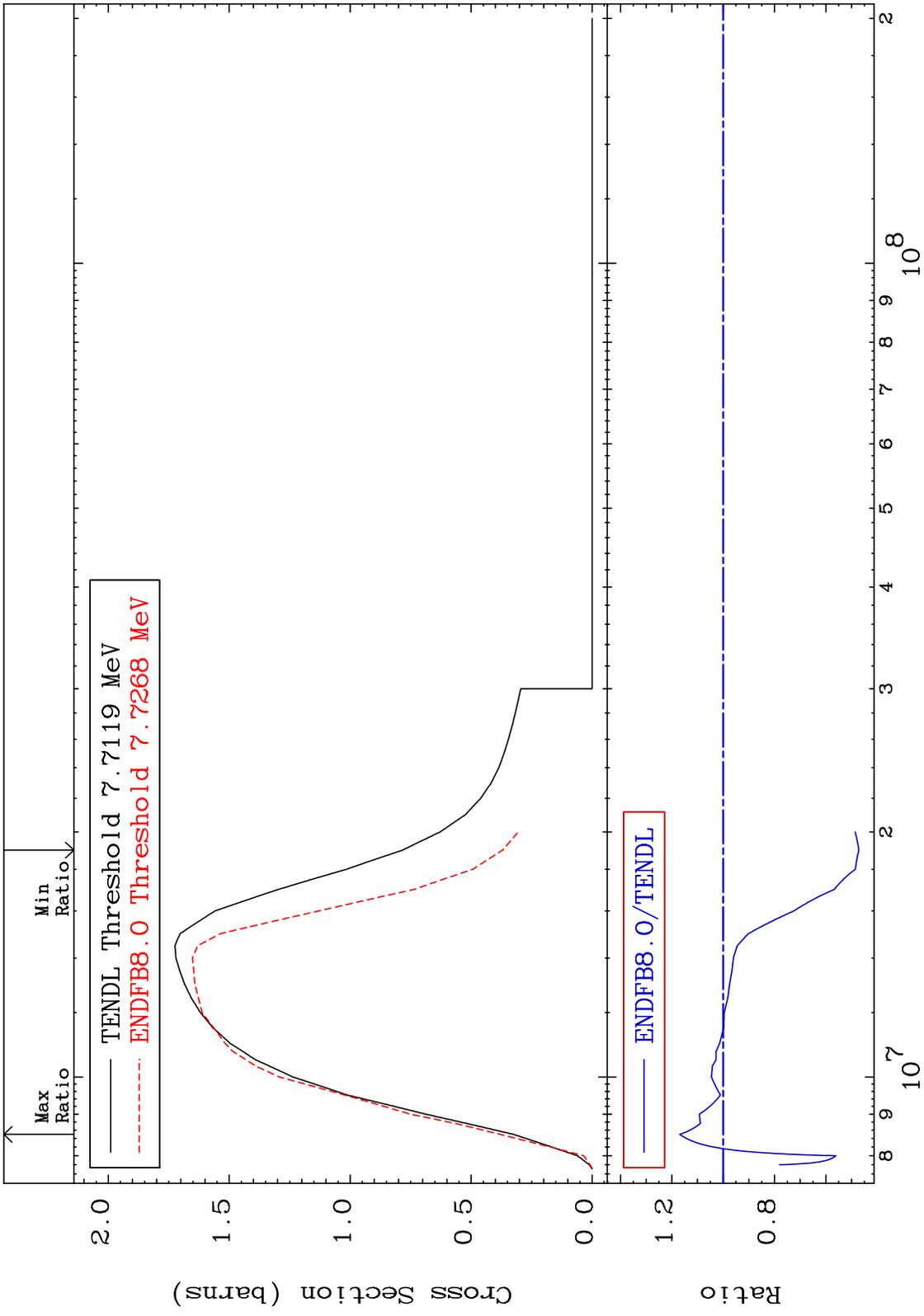
MAT 6149 Elastic Cross Section 61-Pm-147 -98.26 To 1145. %



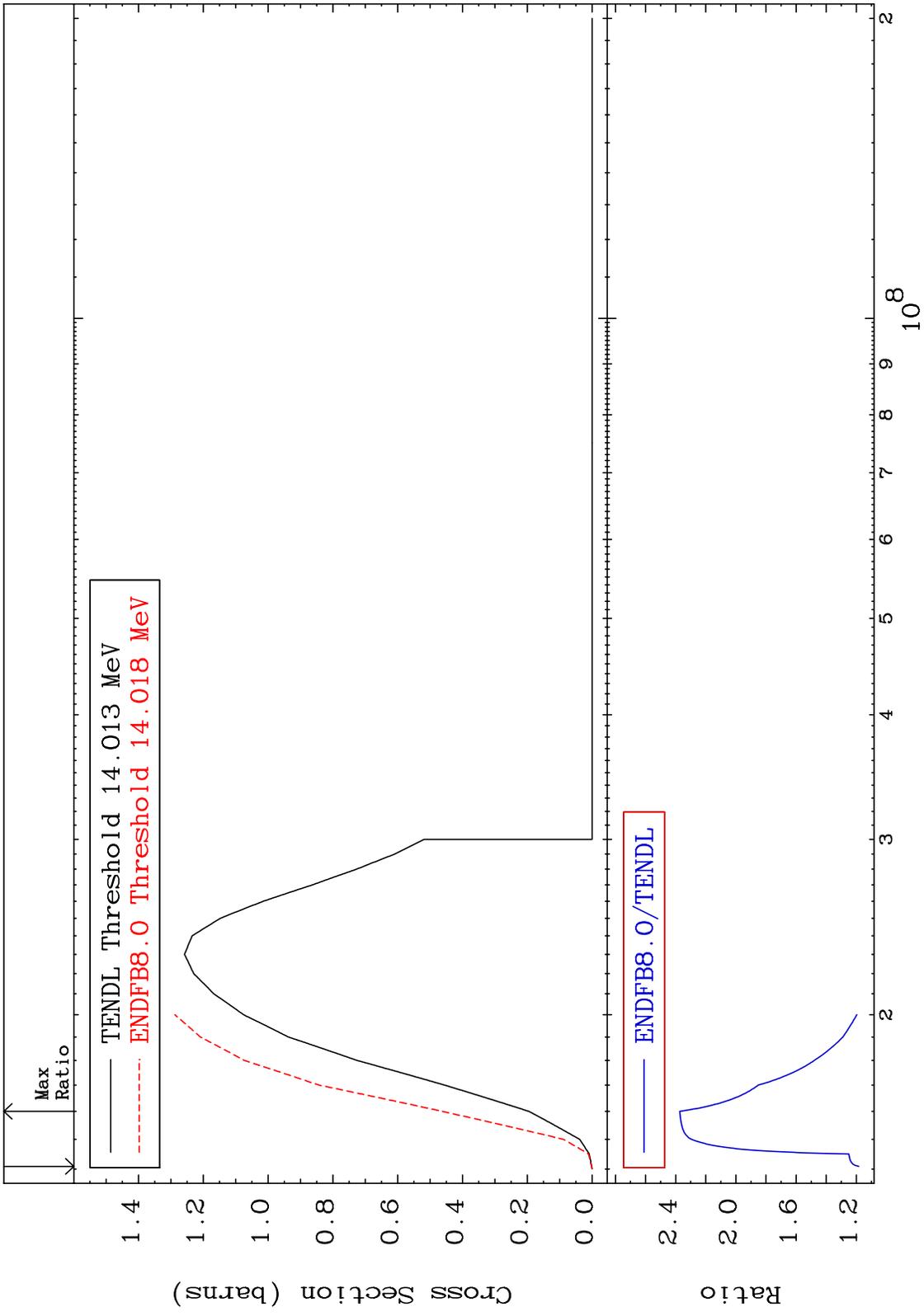
2 61-Pm-147



MAT 6149  $(n,2n)$  Cross Section  $^{61}\text{Pm}-147$  -52.83 To 16.91 %



MAT 6149 (n,3n) Cross Section 61-Pm-147 To 137.3 % 18.38



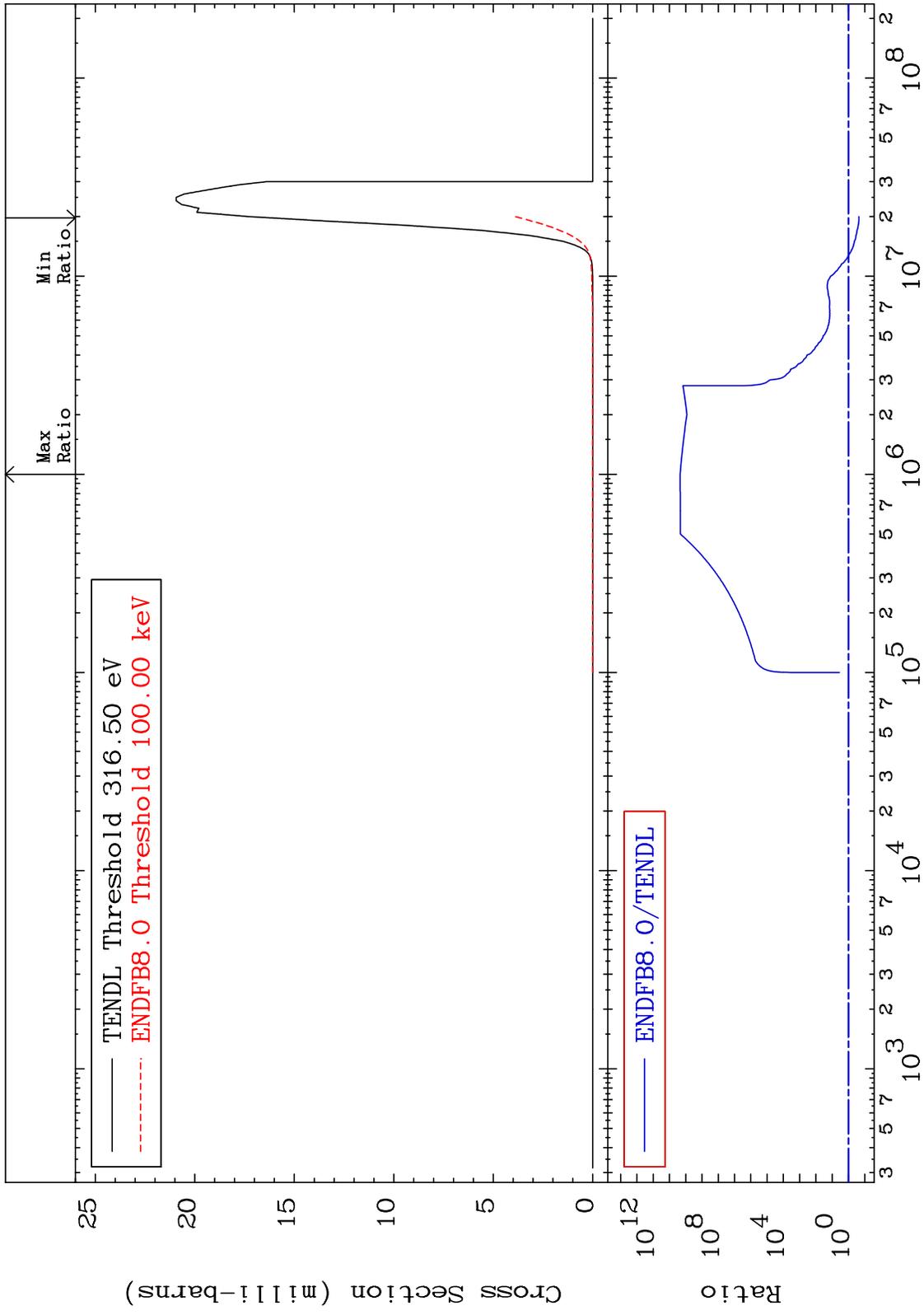
MAT 6149

(n, n')  $\alpha$

61-Pm-147

-77.44 To 9999. %

Cross Section

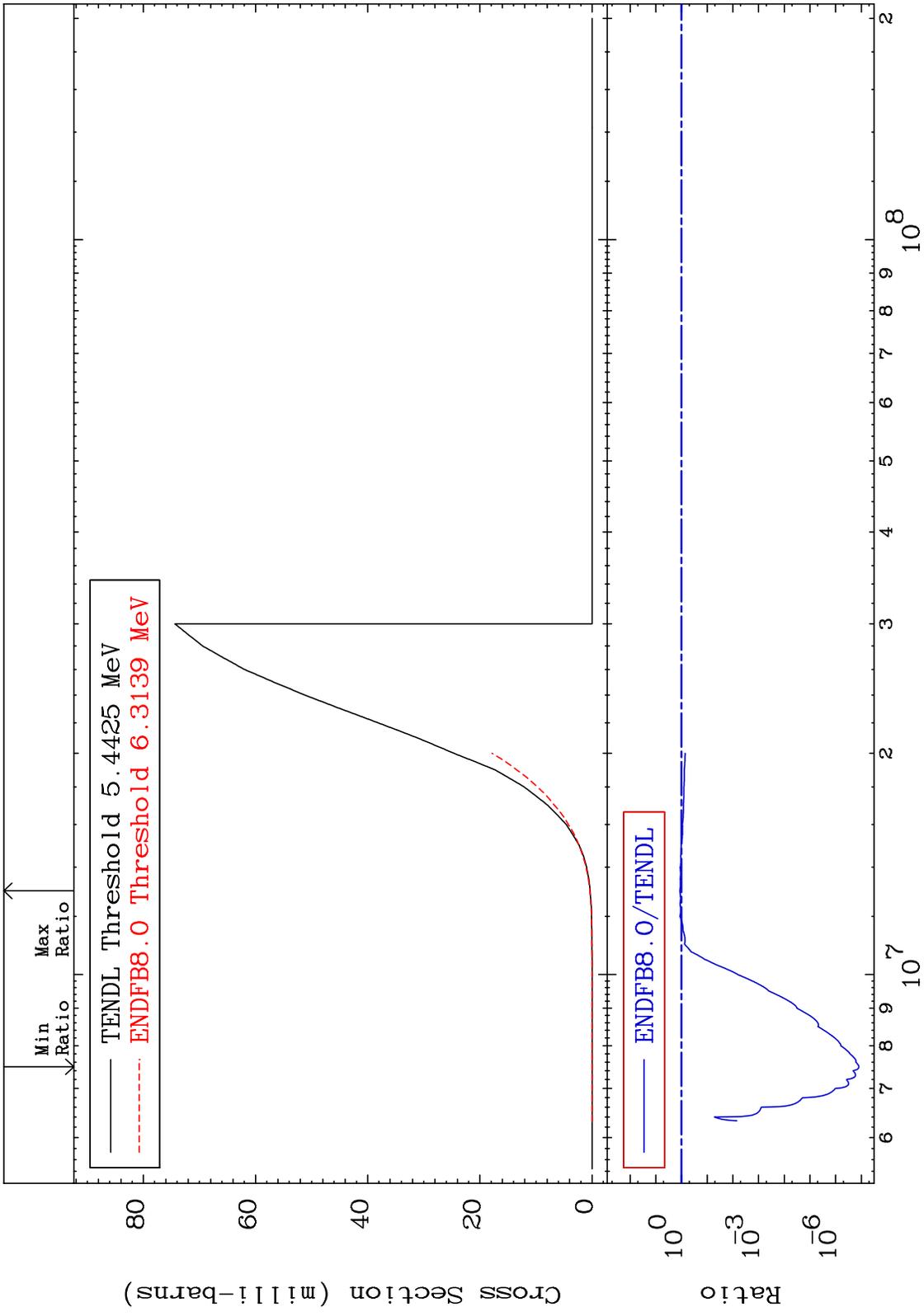


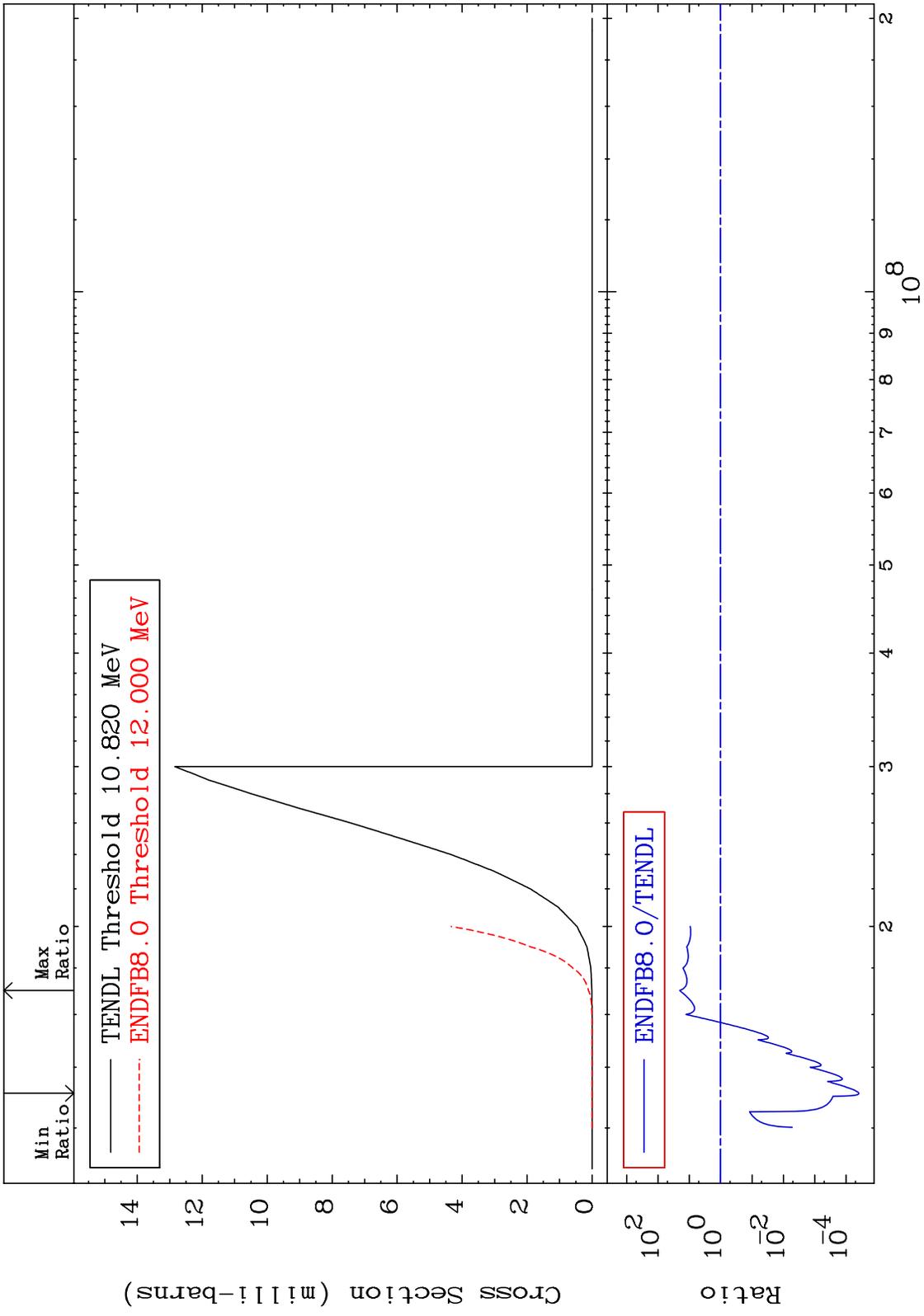
6

Incident Energy (eV)

61-Pm-147

MAT 6149 61-Pm-147  
-100.0 To 16.81 %  
 (n, n') p  
 Cross Section





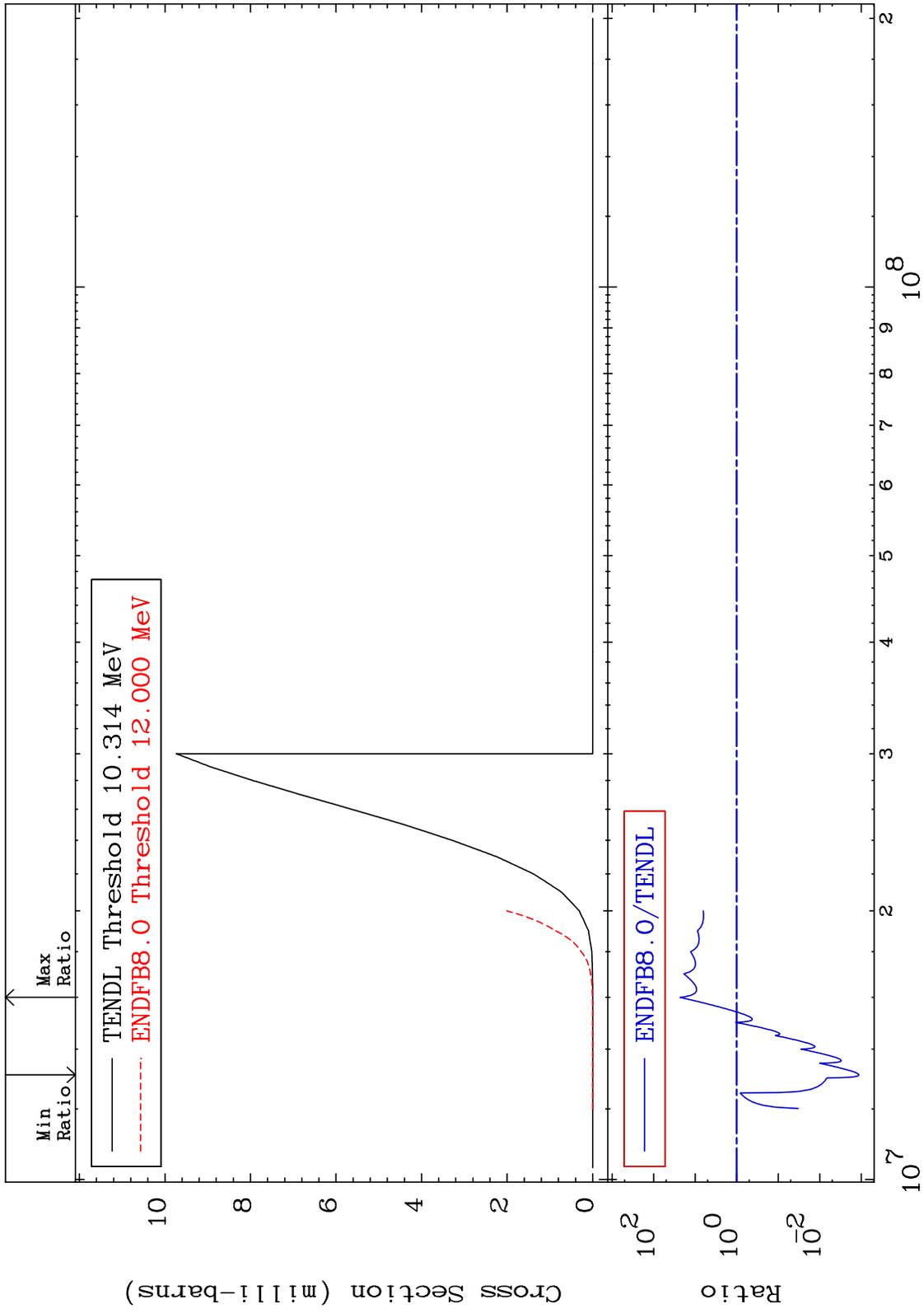
MAT 6149

(n, n') t

61-Pm-147

Cross Section

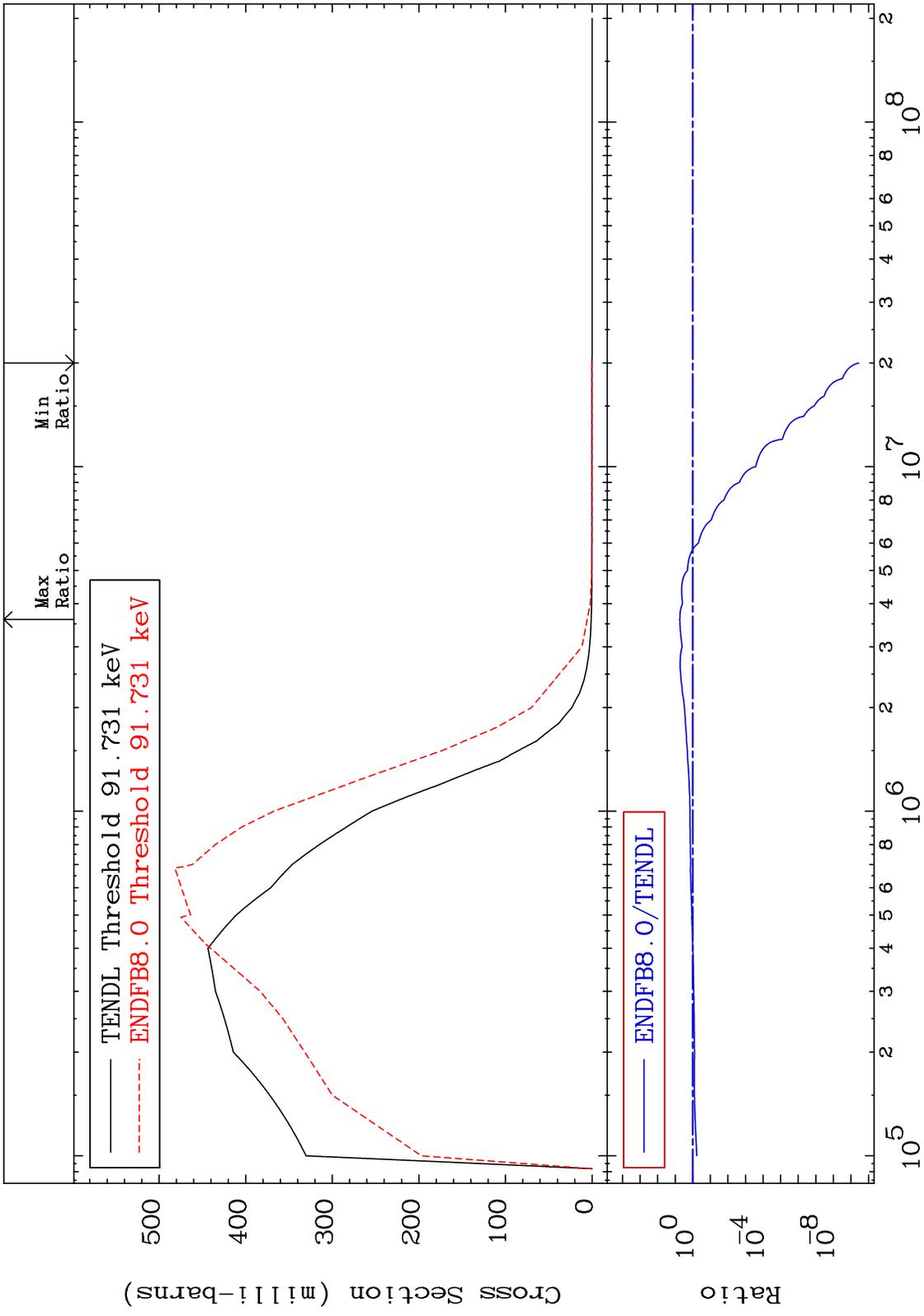
-99.89 To 2199. %



61-Pm-147

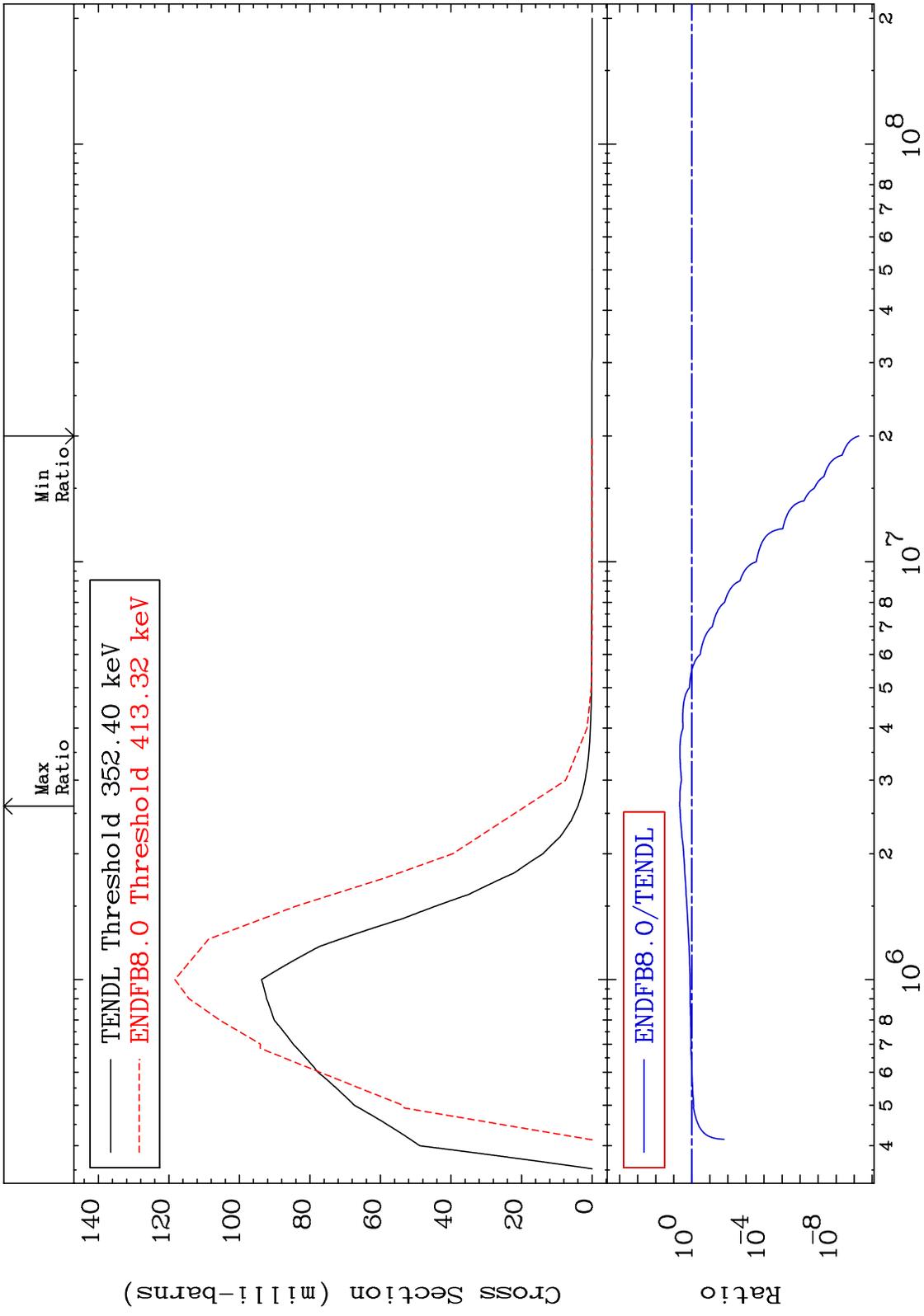
61-Pm-147

MAT 6149 MT= 51 (n,n') Level Cross Section 61-Pm-147 -100.0 To 452.0 %

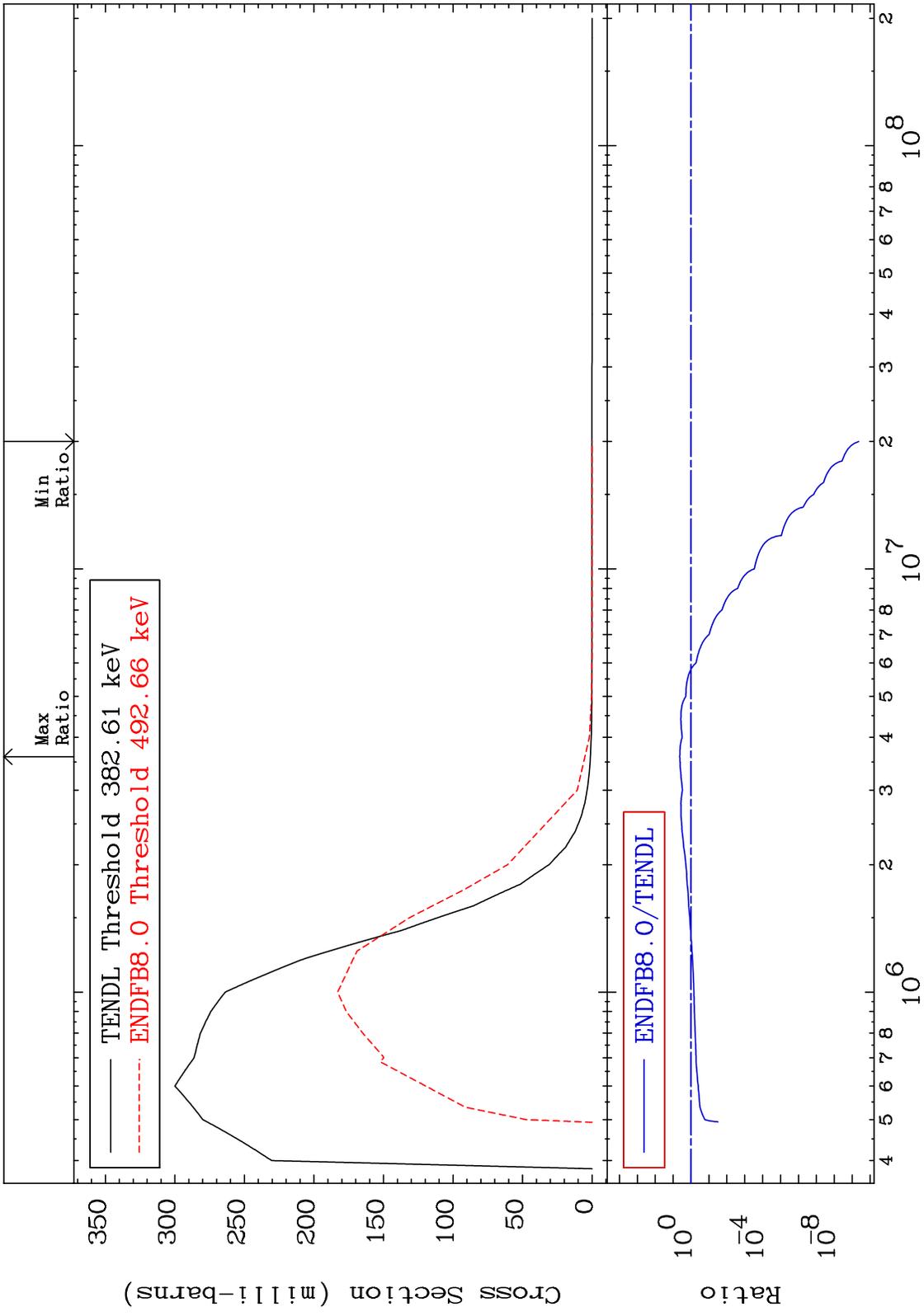


61-Pm-147

MAT 6149      MT= 52 (n,n') Level Cross Section      61-Pm-147  
 -100.0 To 369.2 %

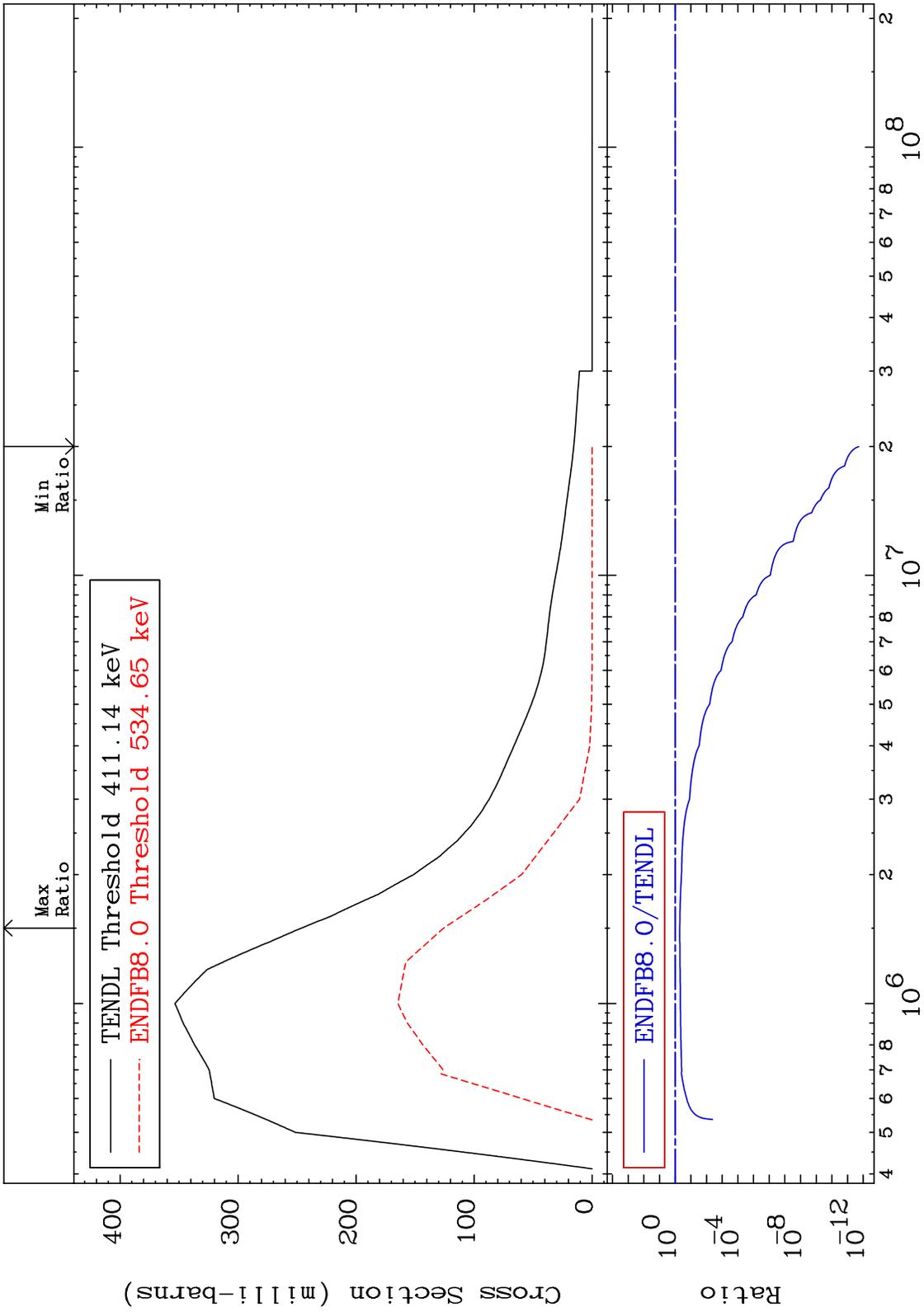


MAT 6149 MT= 53 (n,n') Level Cross Section 61-Pm-147 -100.0 To 326.9 %

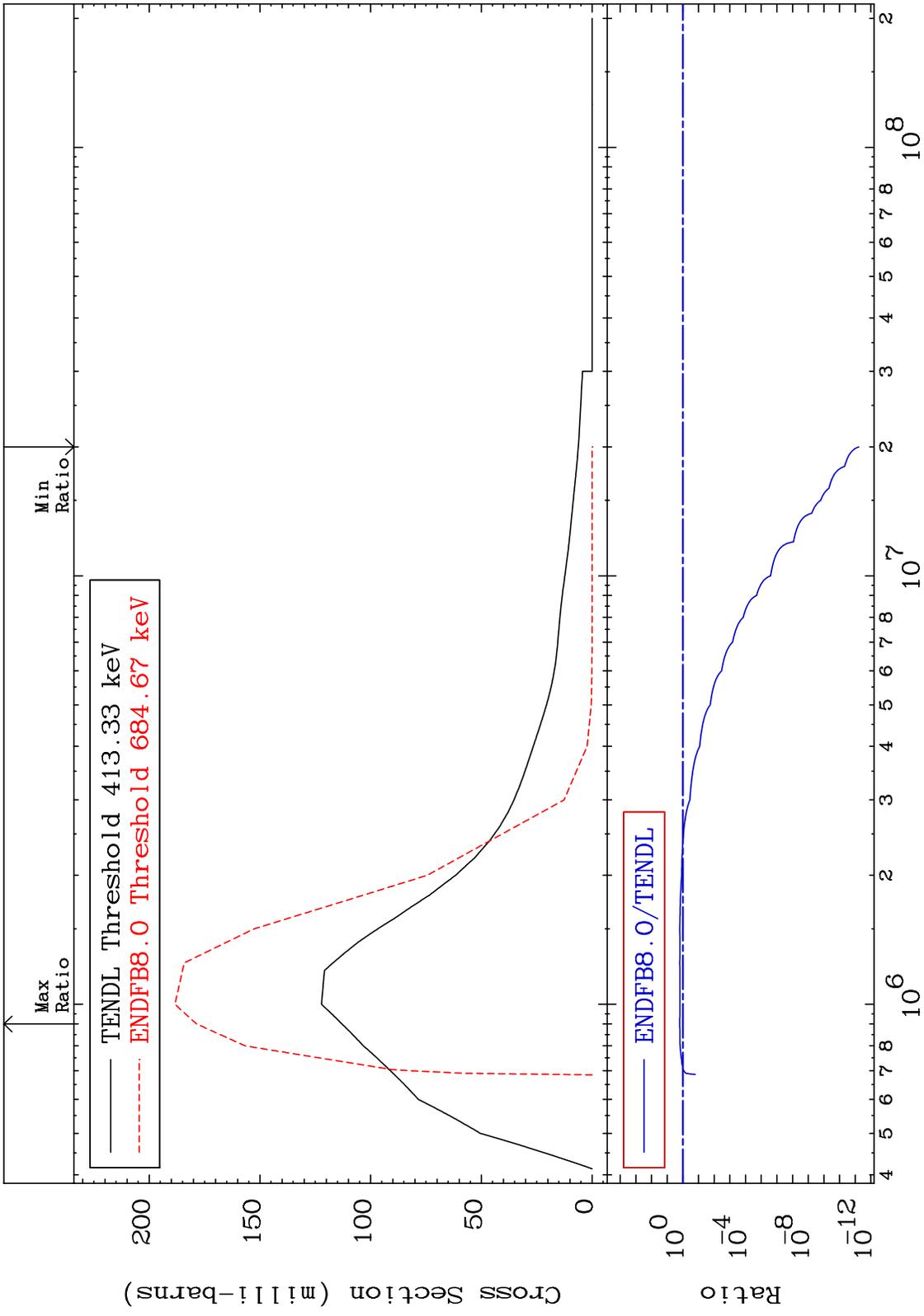


12 61-Pm-147

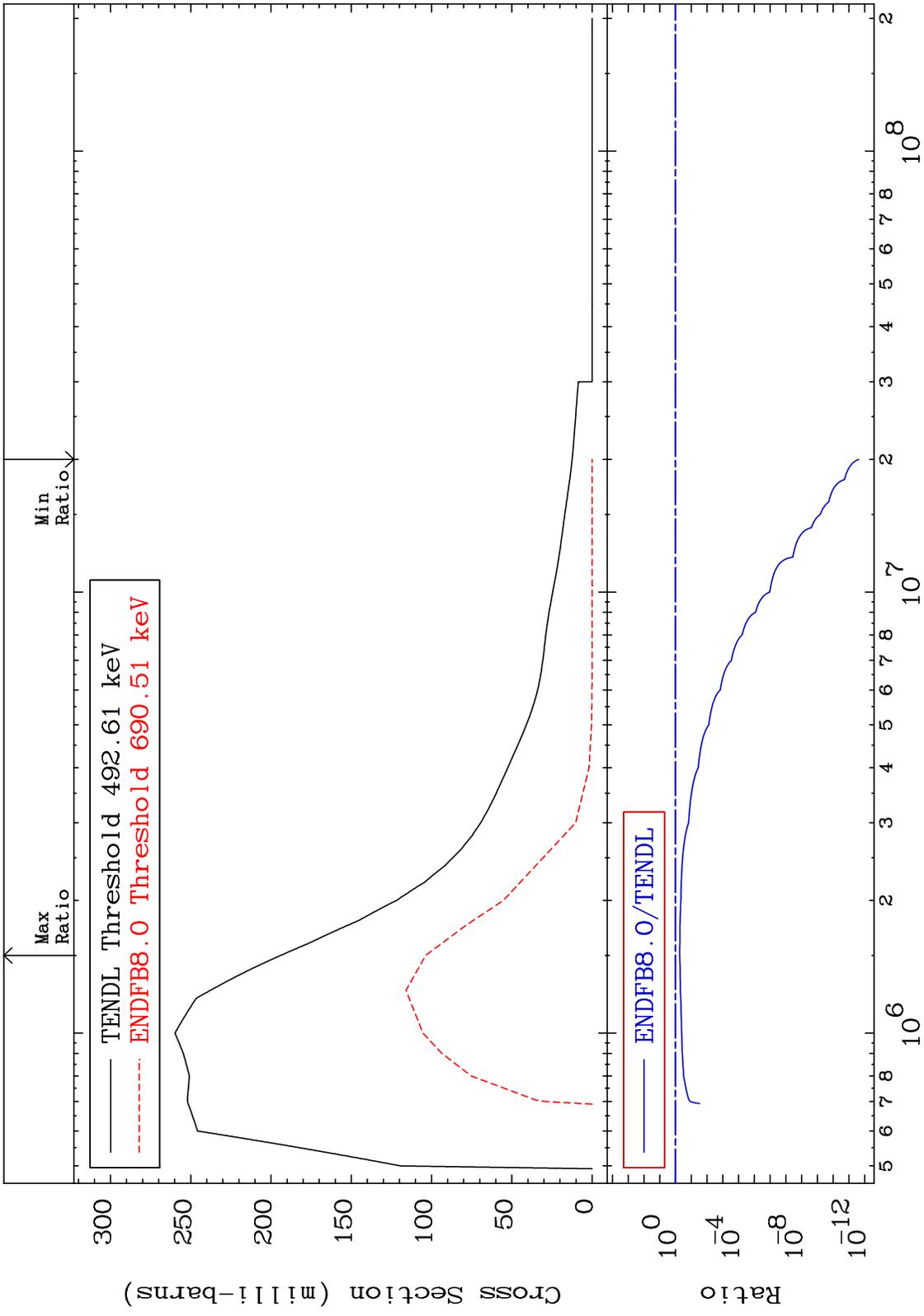
MAT 6149      MT= 54 (n,n') Level Cross Section      61-Pm-147  
 -100.0 To -48.92%



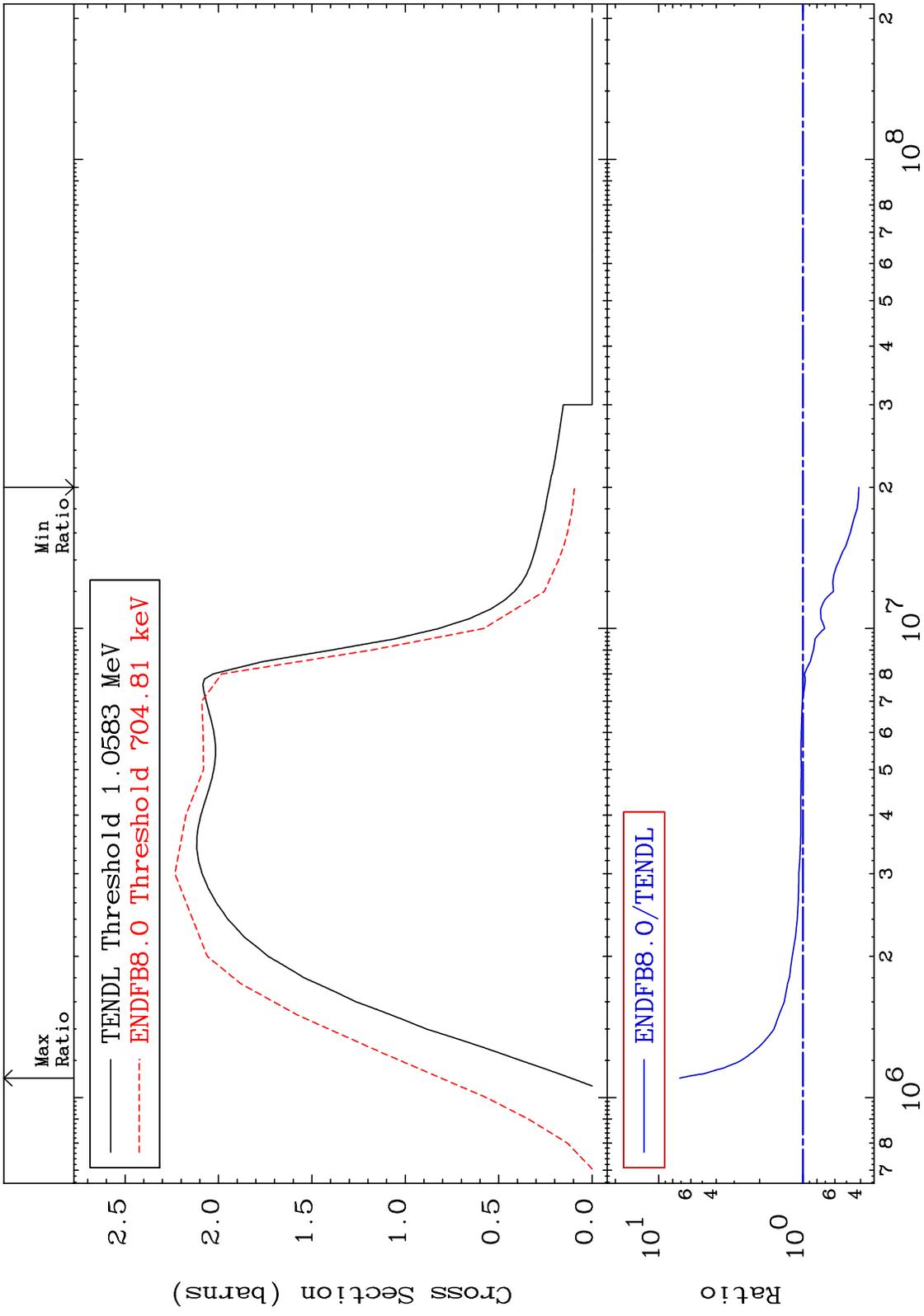
MAT 6149 MT= 55 (n,n') Level Cross Section 61-Pm-147  
 -100.0 To 58.06 %



MAT 6149 MT= 56 (n,n') Level Cross Section 61-Pm-147 -100.0 To -46.58%



MAT 6149 (n,n') Continuum Cross Section 61-Pm-147 -58.97 To 615.0 %



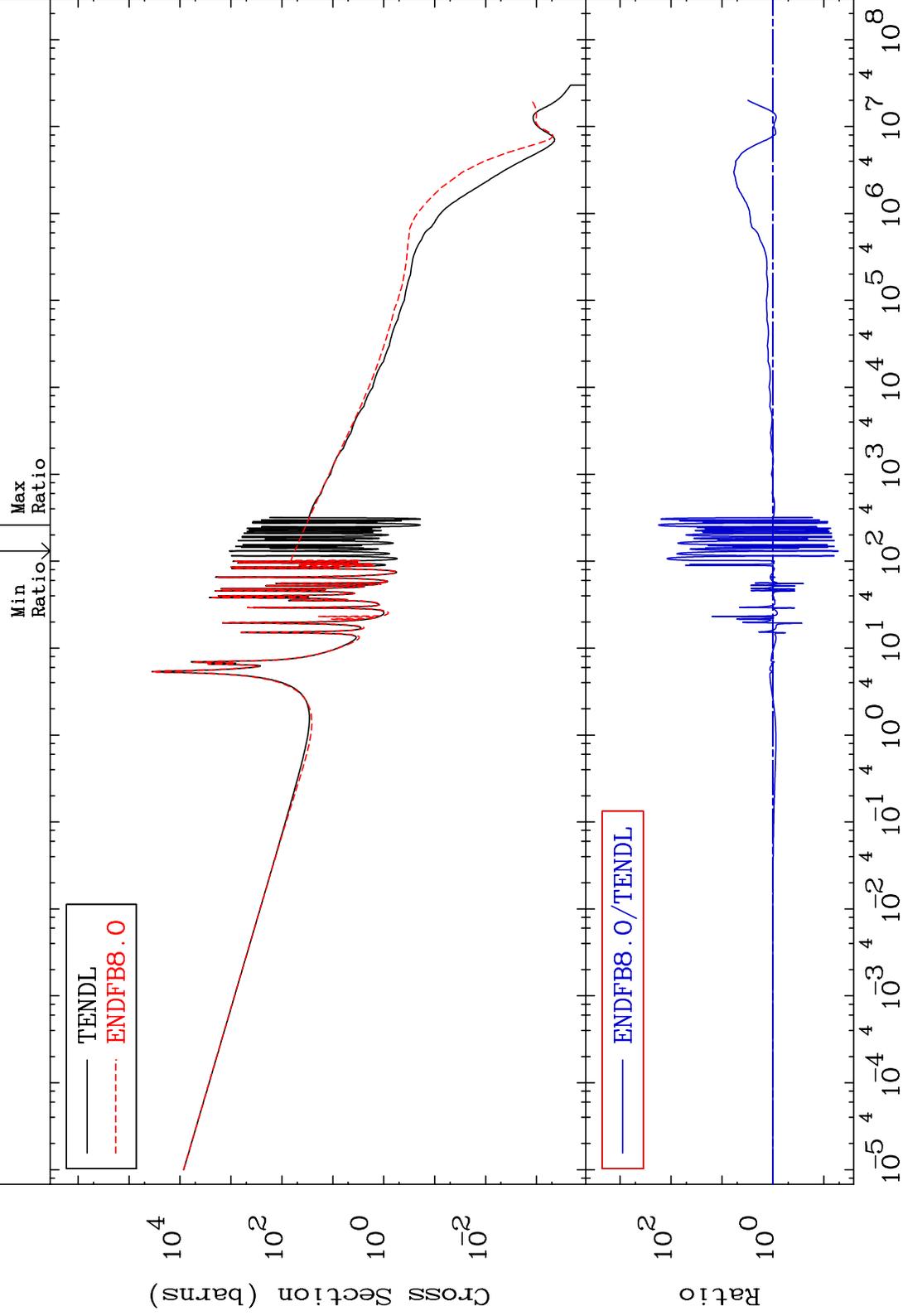
MAT 6149

(n,  $\gamma$ )

61-Pm-147

-94.81 To 9999. %

Cross Section



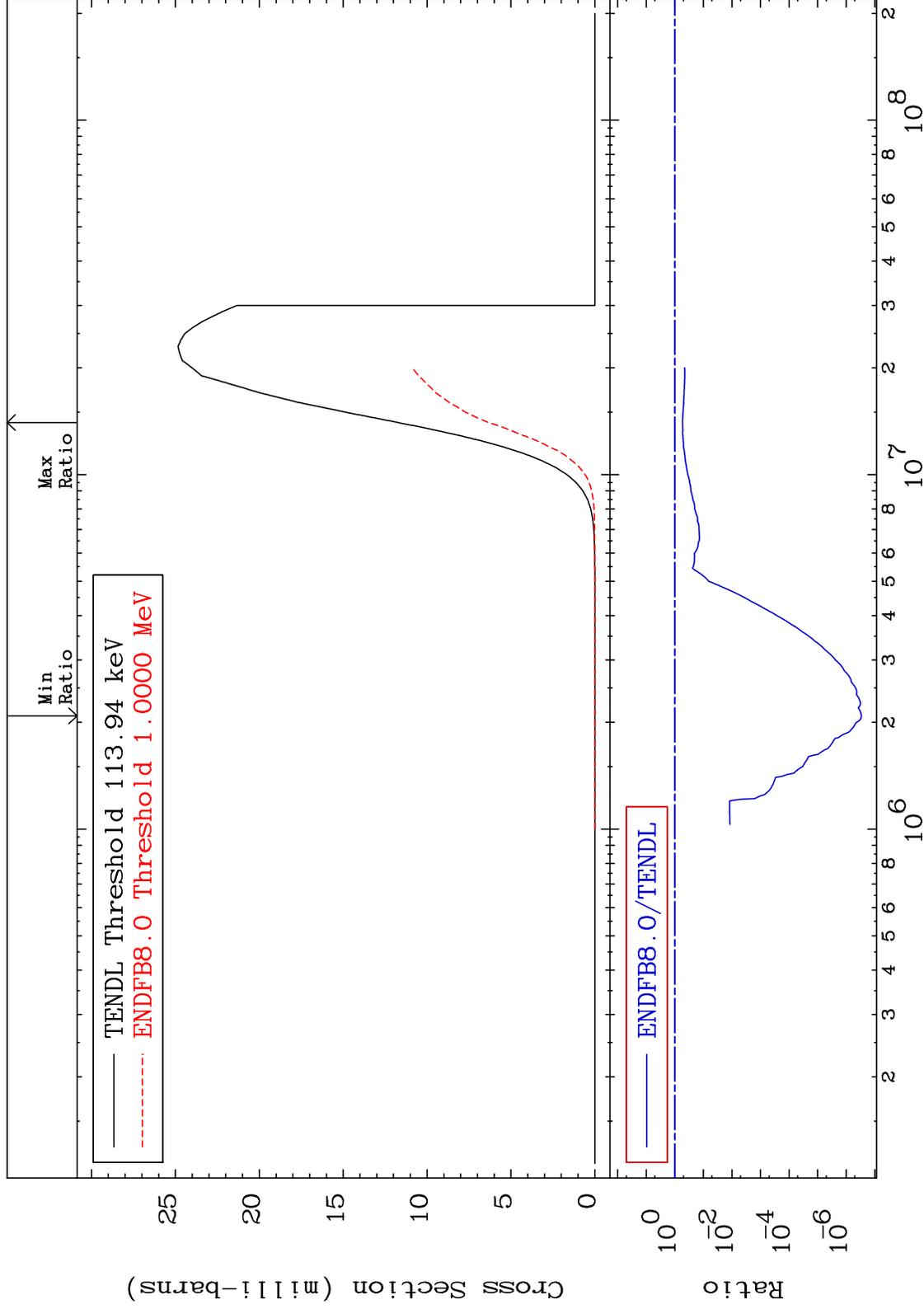
MAT 6149

(n,p)

61-Pm-147

Cross Section

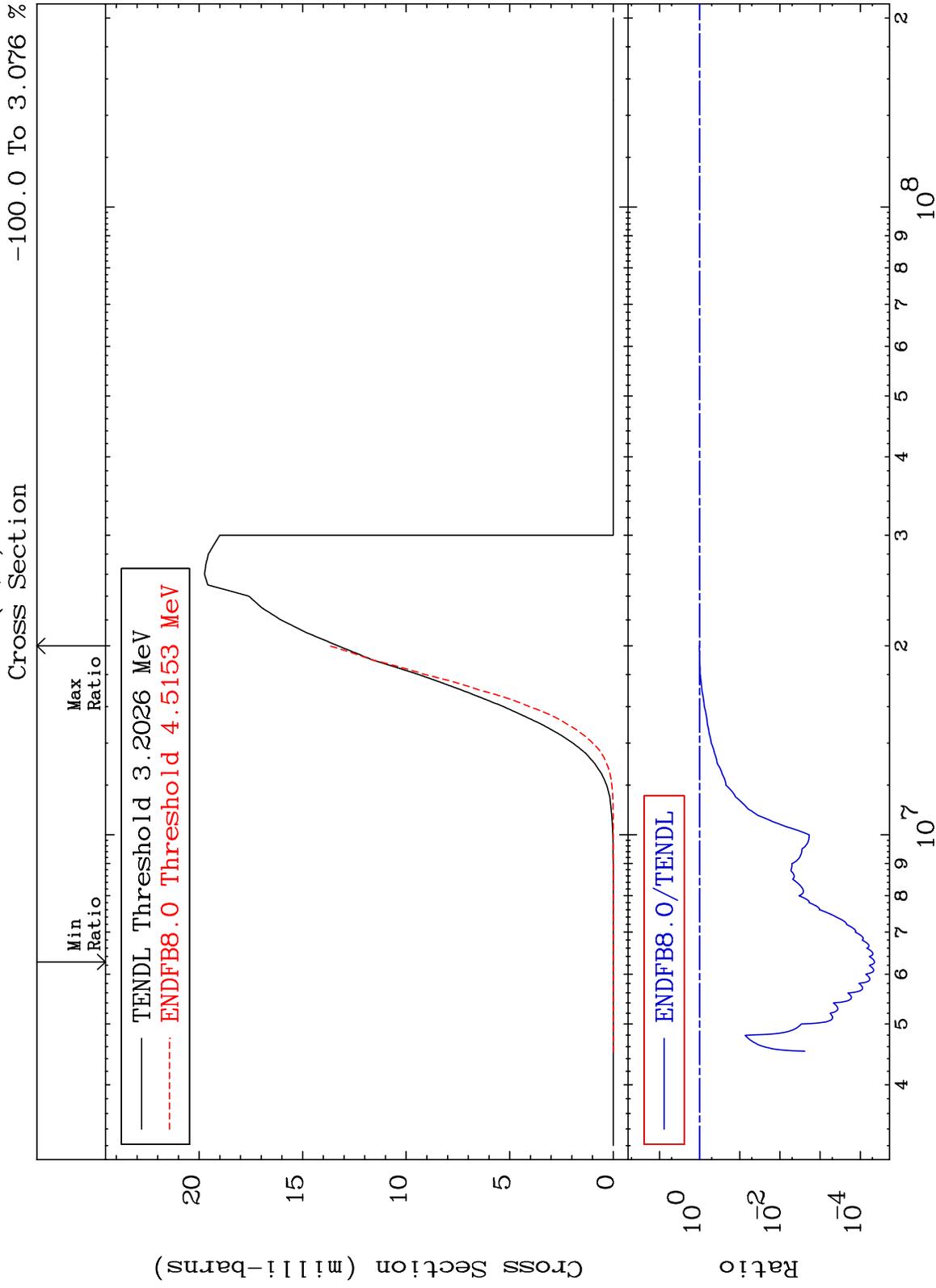
-100.0 To -45.81%



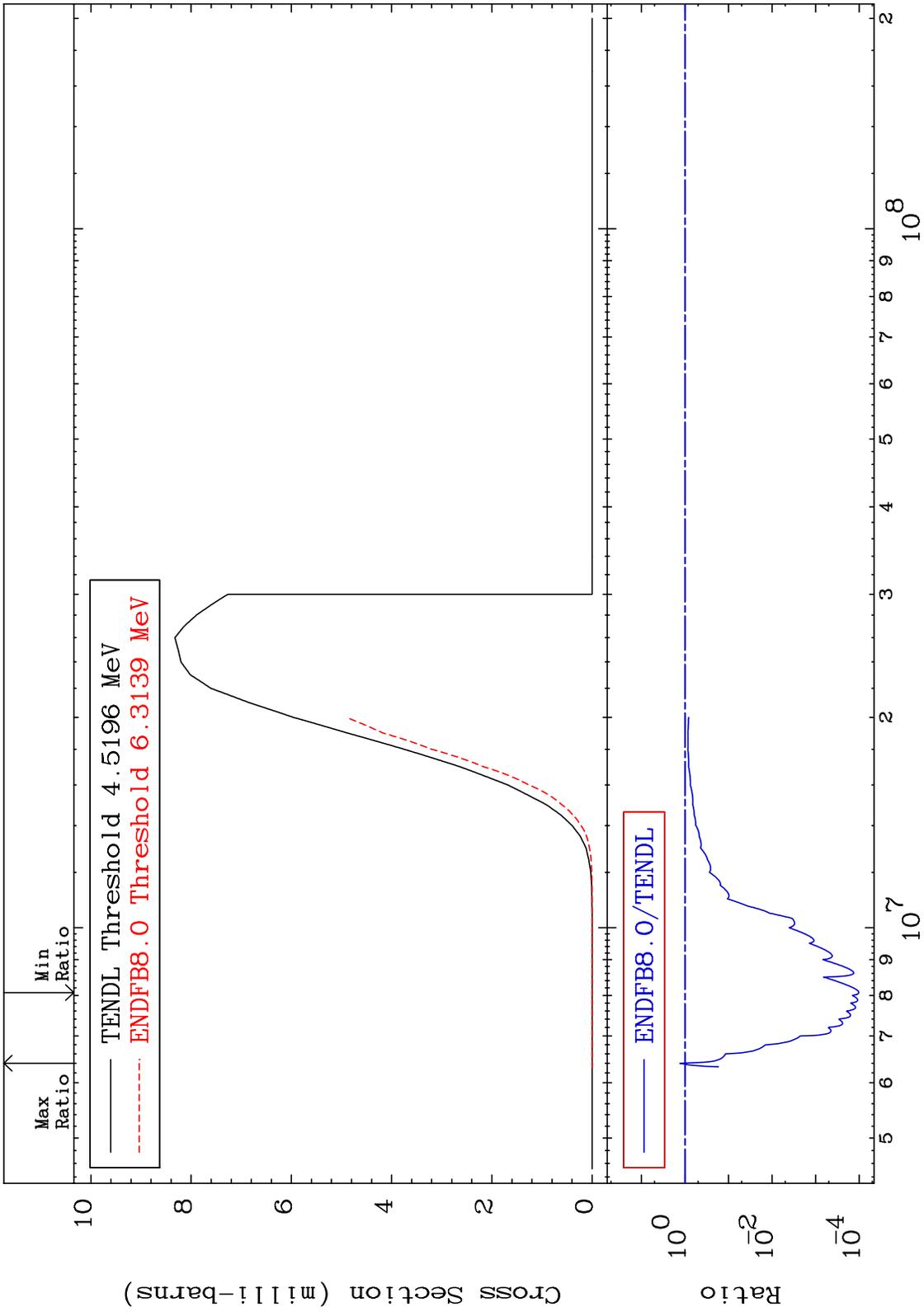
MAT 6149

(n,d)

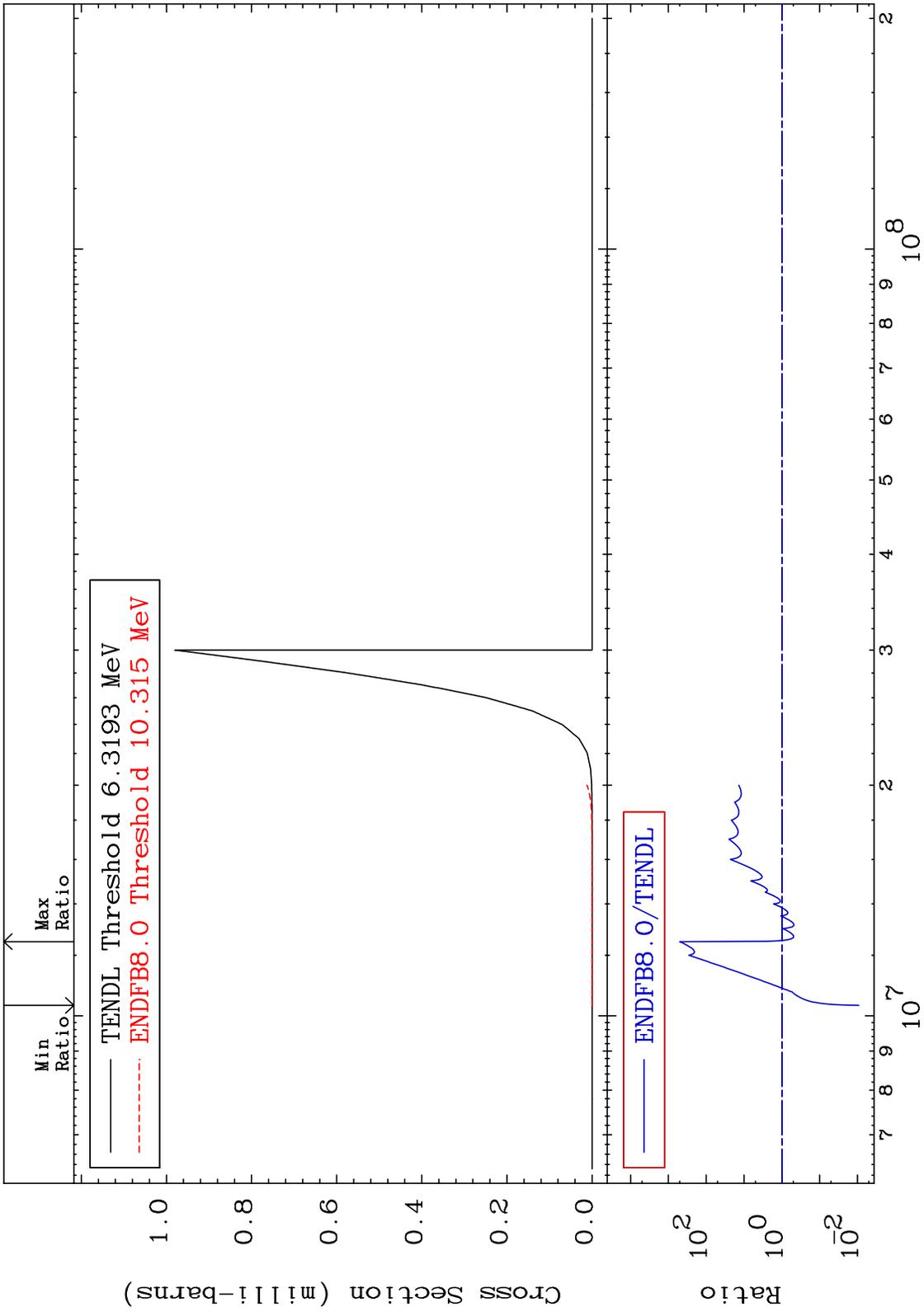
61-Pm-147  
-100.0 To 3.076 %



MAT 6149 (n,t) Cross Section 61-Pm-147 -99.99 To 31.32 %



20 Incident Energy (eV) 61-Pm-147



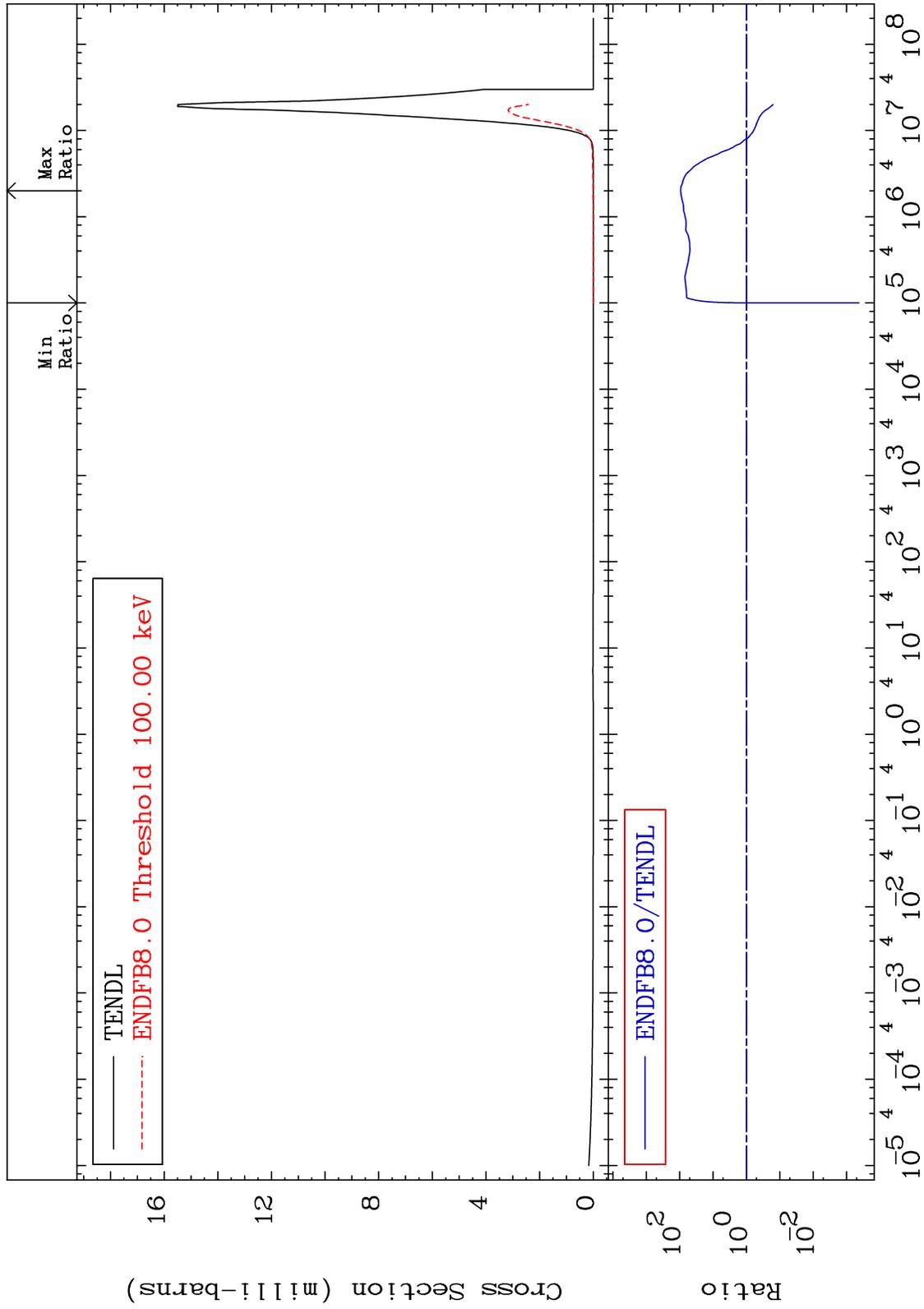
MAT 6149

(n,  $\alpha$ )

61-Pm-147

Cross Section

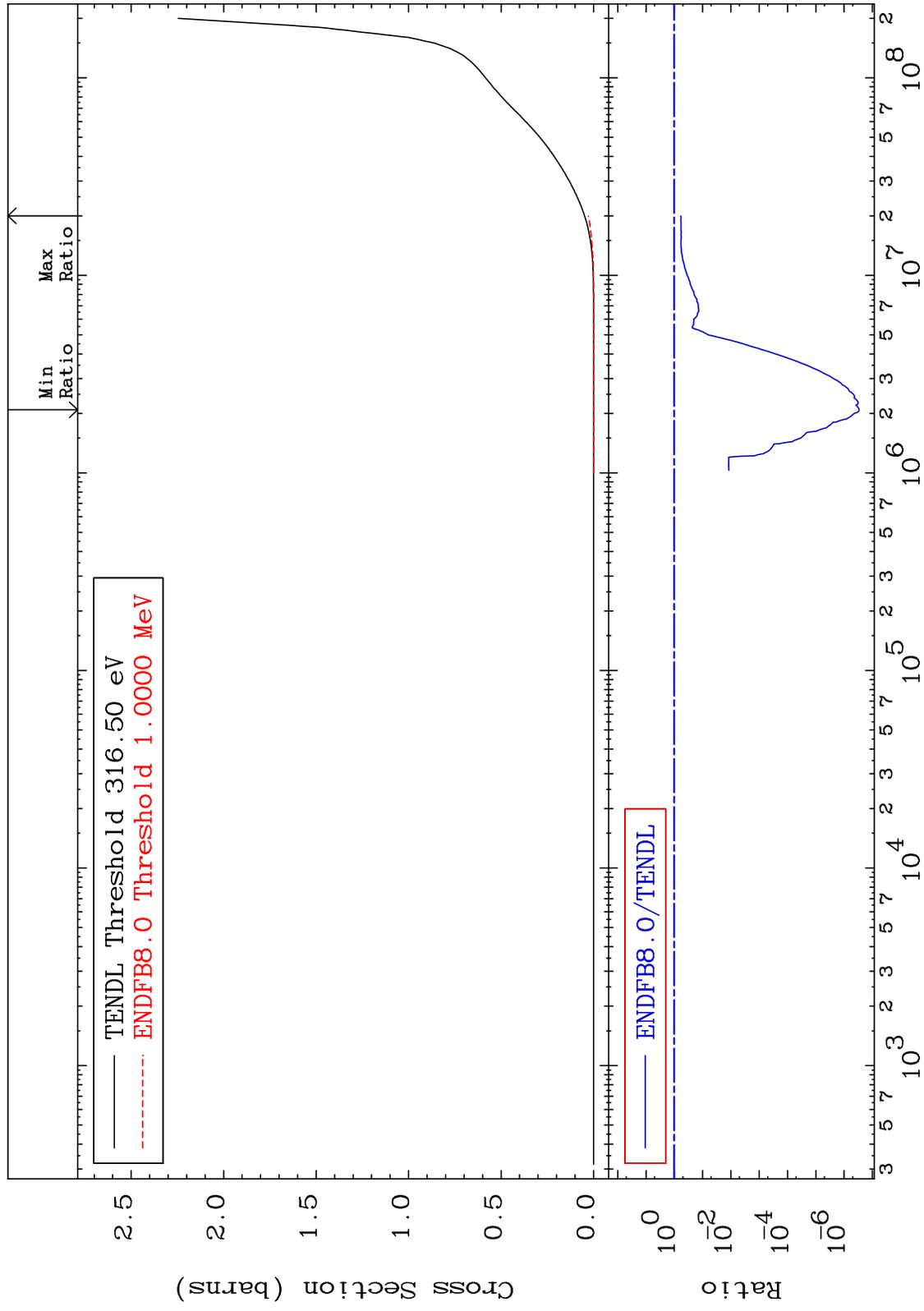
-99.96 To 9272. %



MAT 6149

### Hydrogen Production Cross Section

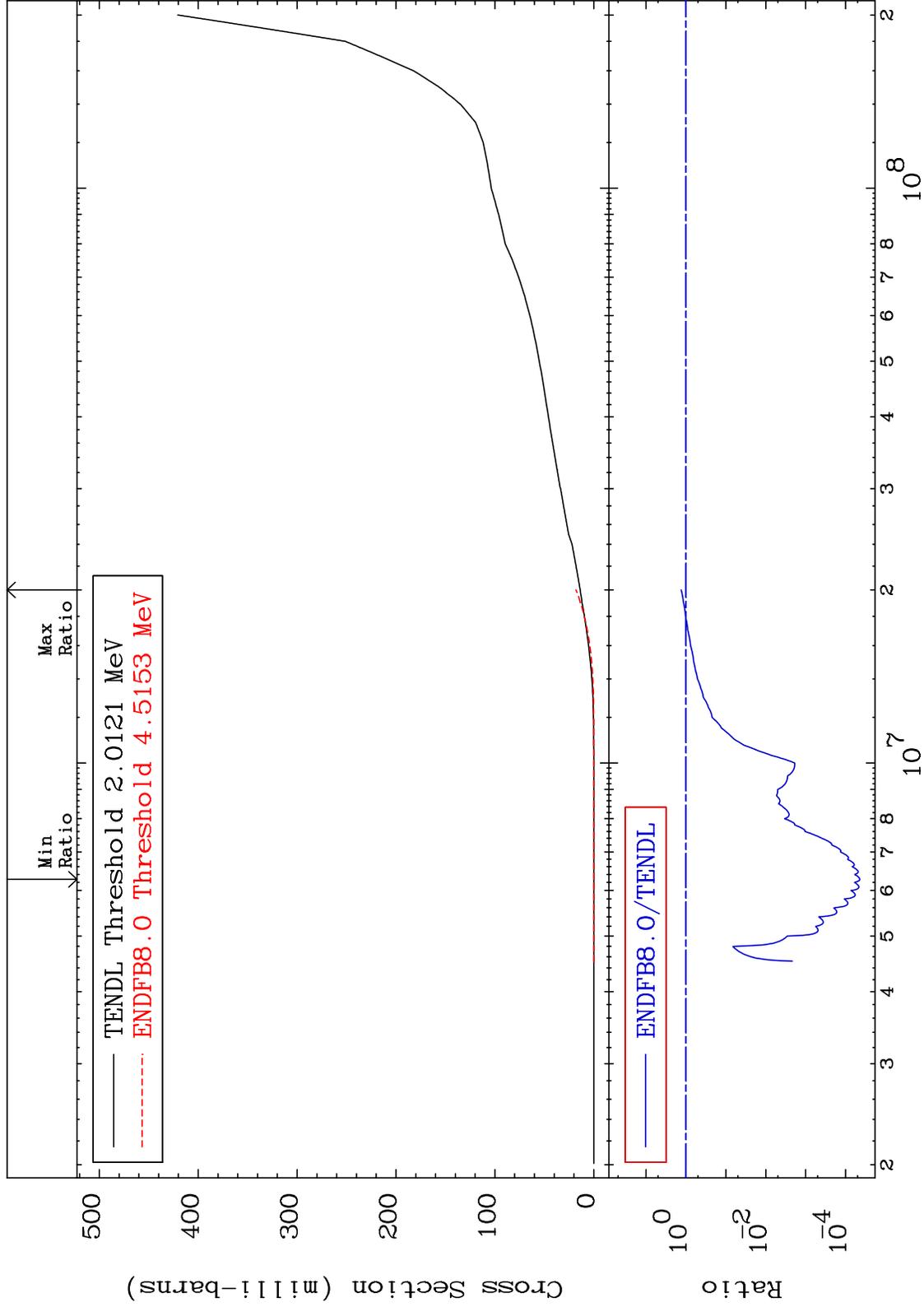
61-Pm-147  
-100.0 To -41.15%



MAT 6149

Deuterium Production  
Cross Section

61-Pm-147  
-100.0 To 31.13 %

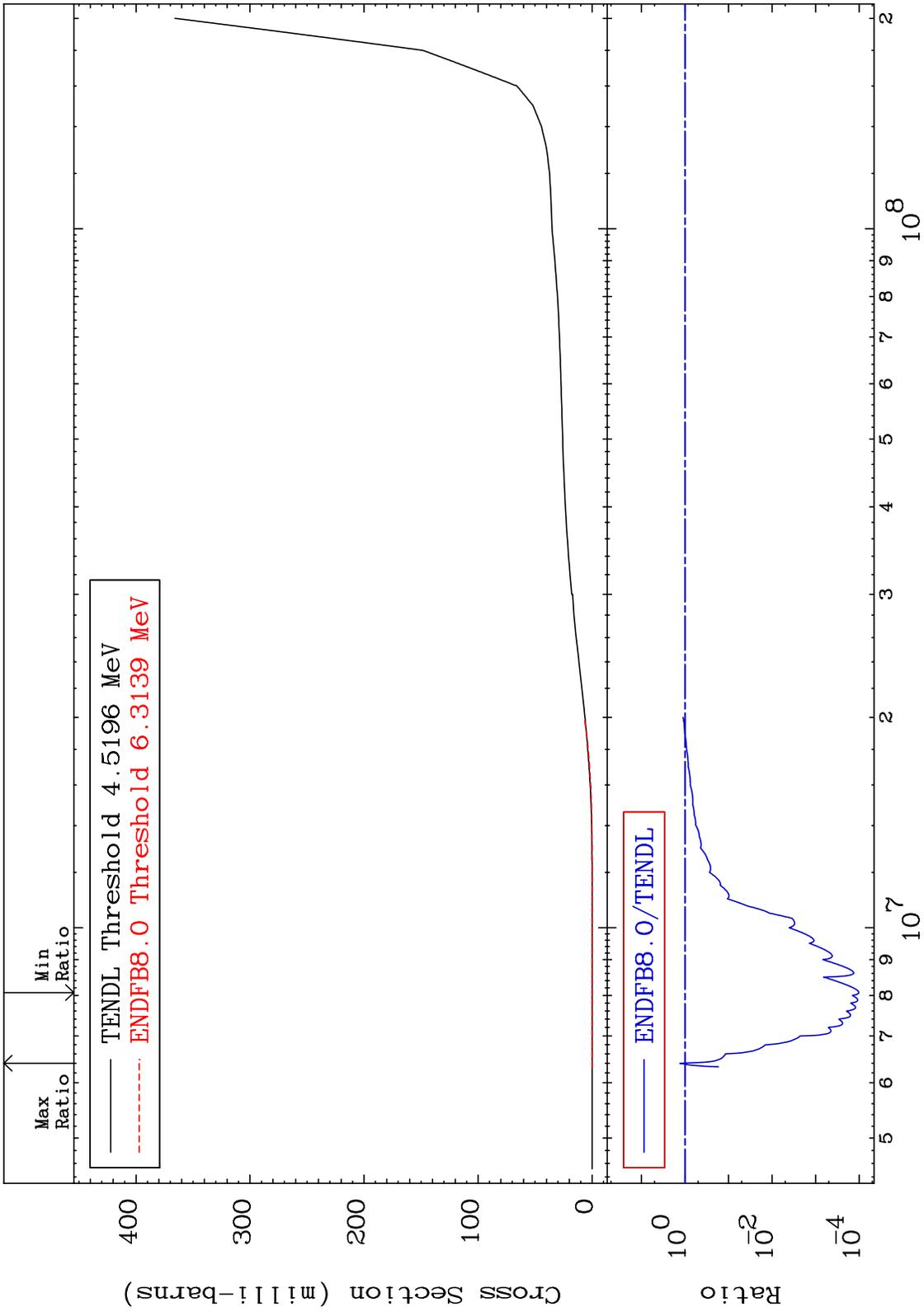


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Incident Energy (eV)

61-Pm-147

MAT 6149 Tritium Production Cross Section 61-Pm-147 -99.99 To 31.32 %

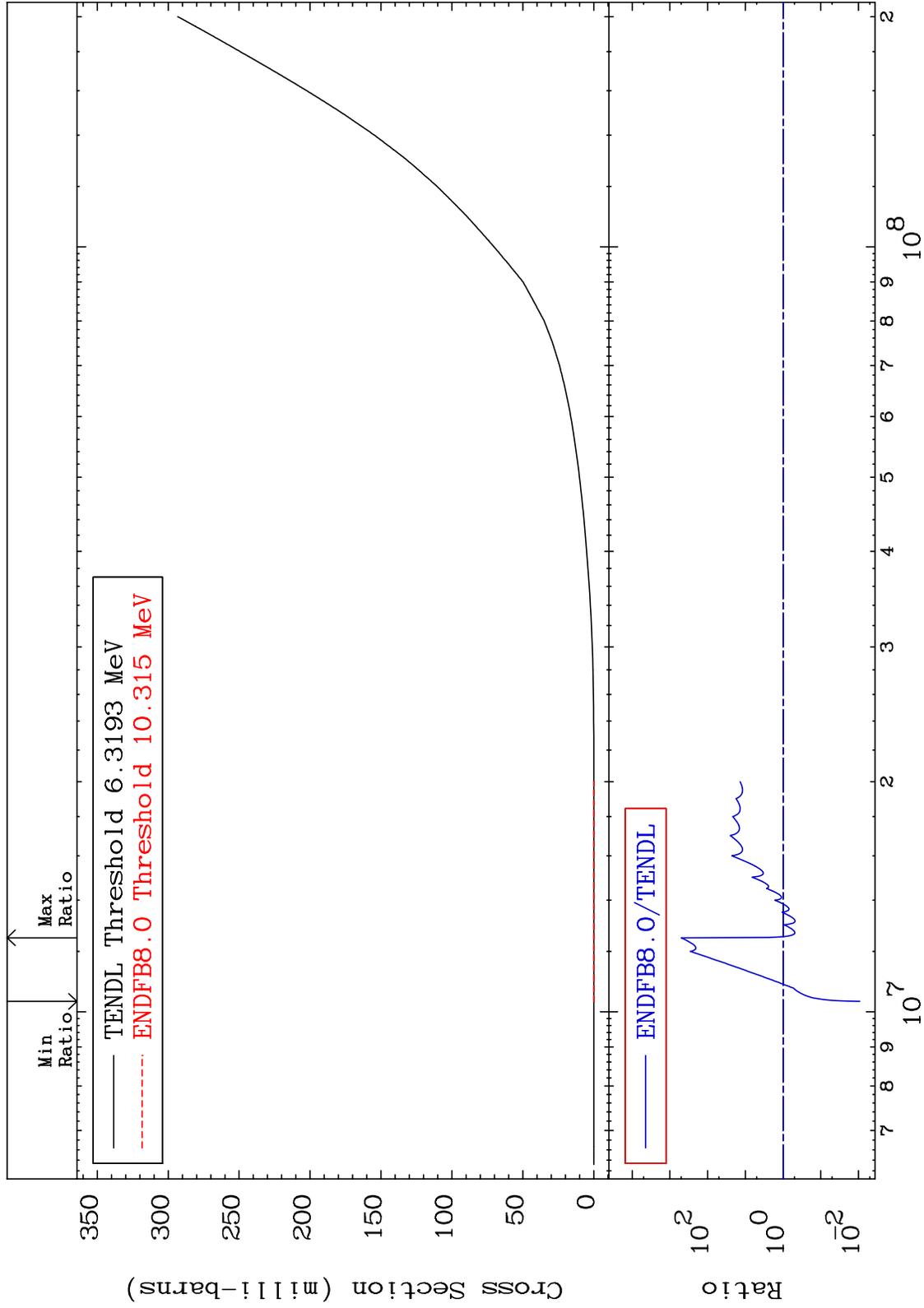


25 61-Pm-147

MAT 6149

He-3 Production  
Cross Section

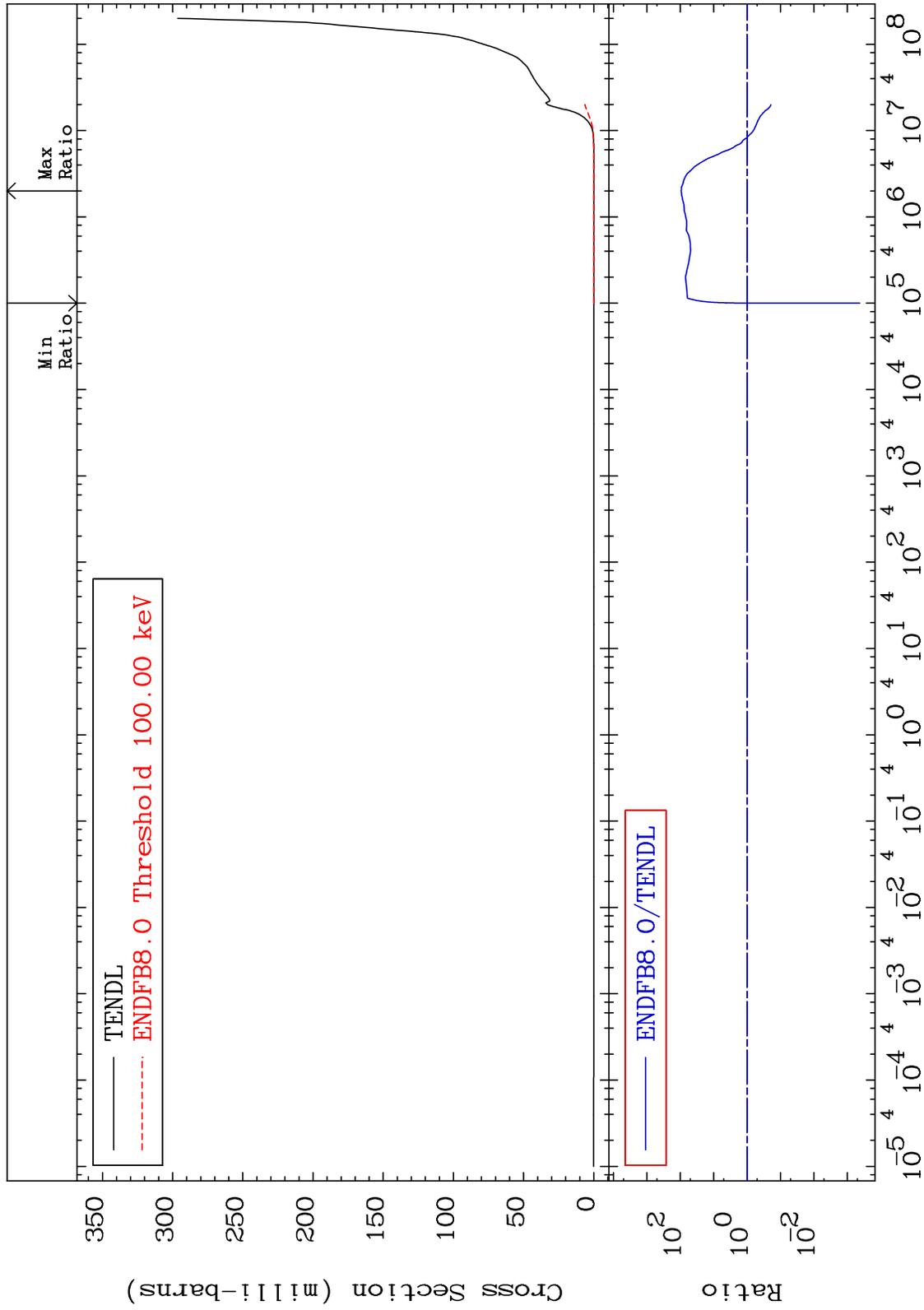
61-Pm-147  
-99.08 To 9999. %



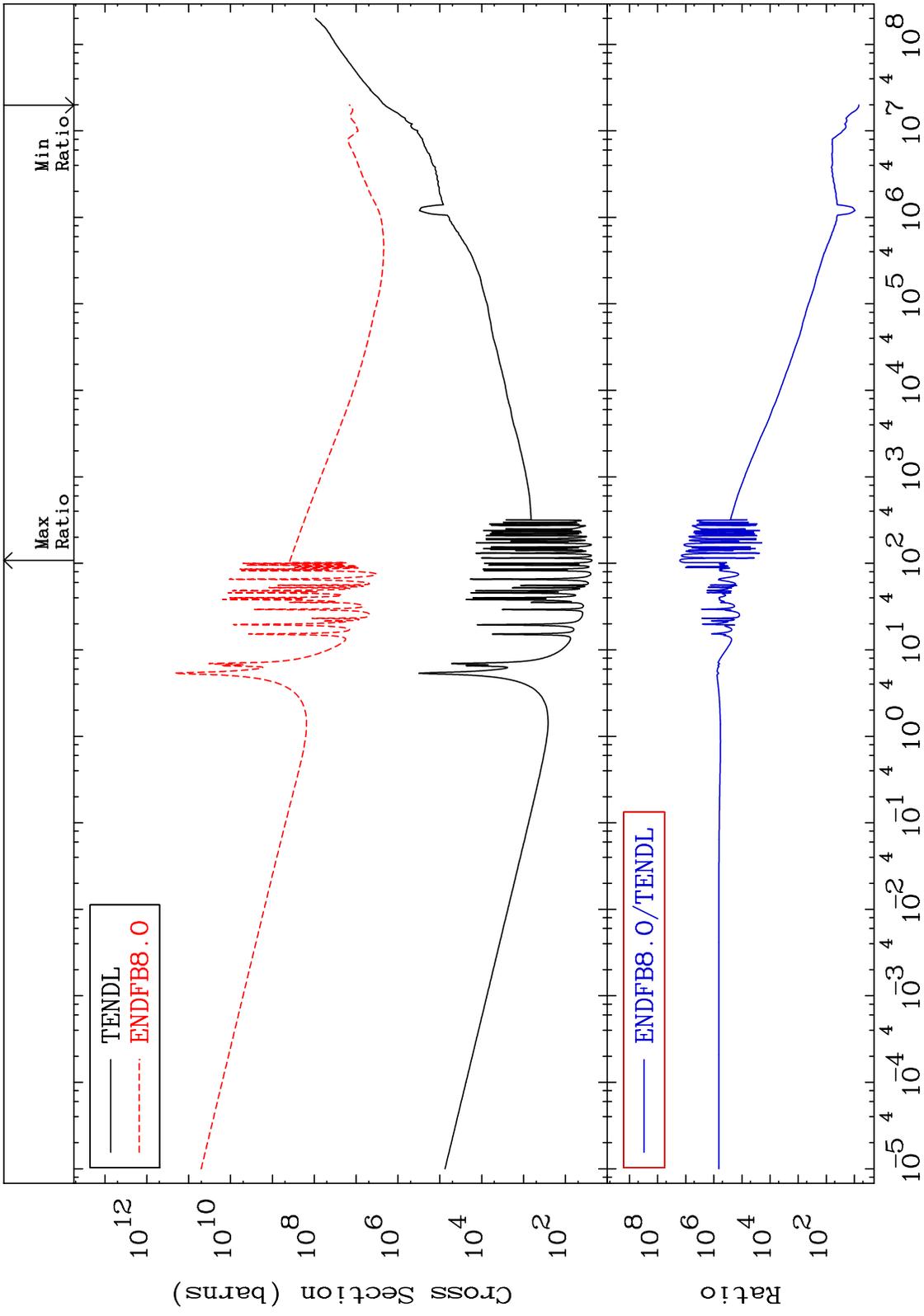
MAT 6149

He-4 Production  
Cross Section

61-Pm-147  
-99.96 To 9273. %



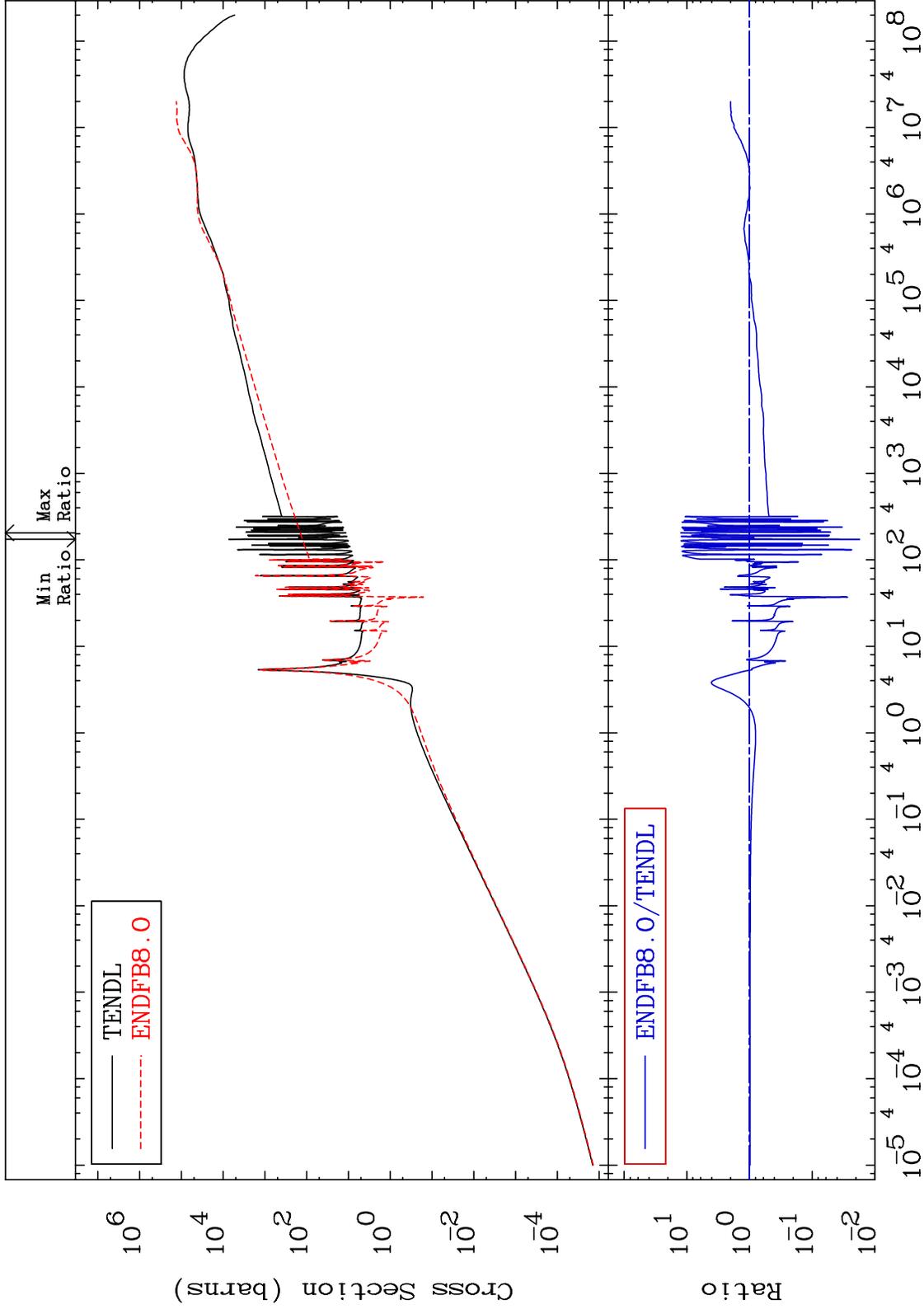
MAT 6149 Kerma total (eV-barns) 61-Pm-147  
 Cross Section 598.0 To 9999. %



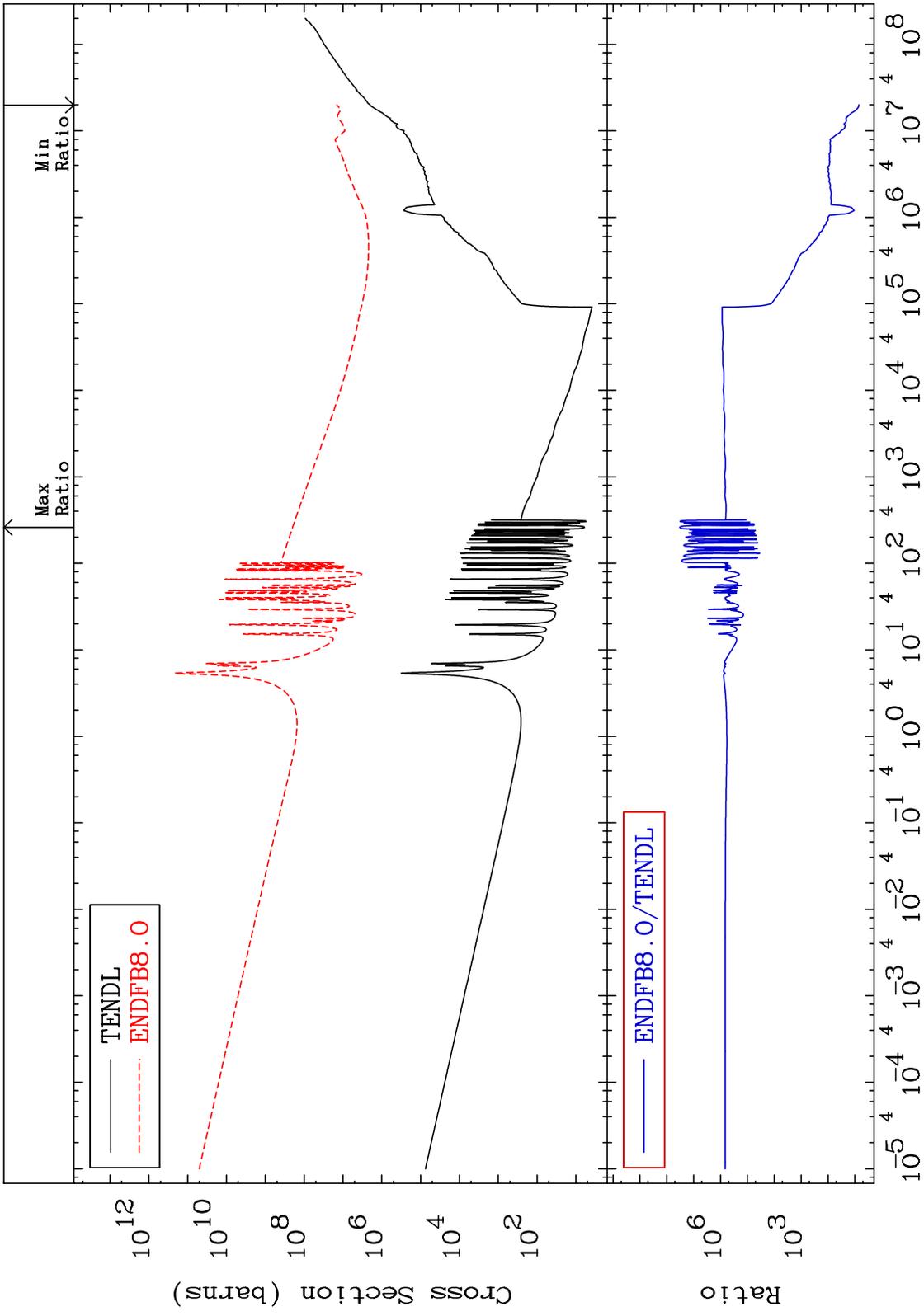
MAT 6149

Kerma elastic  
Cross Section

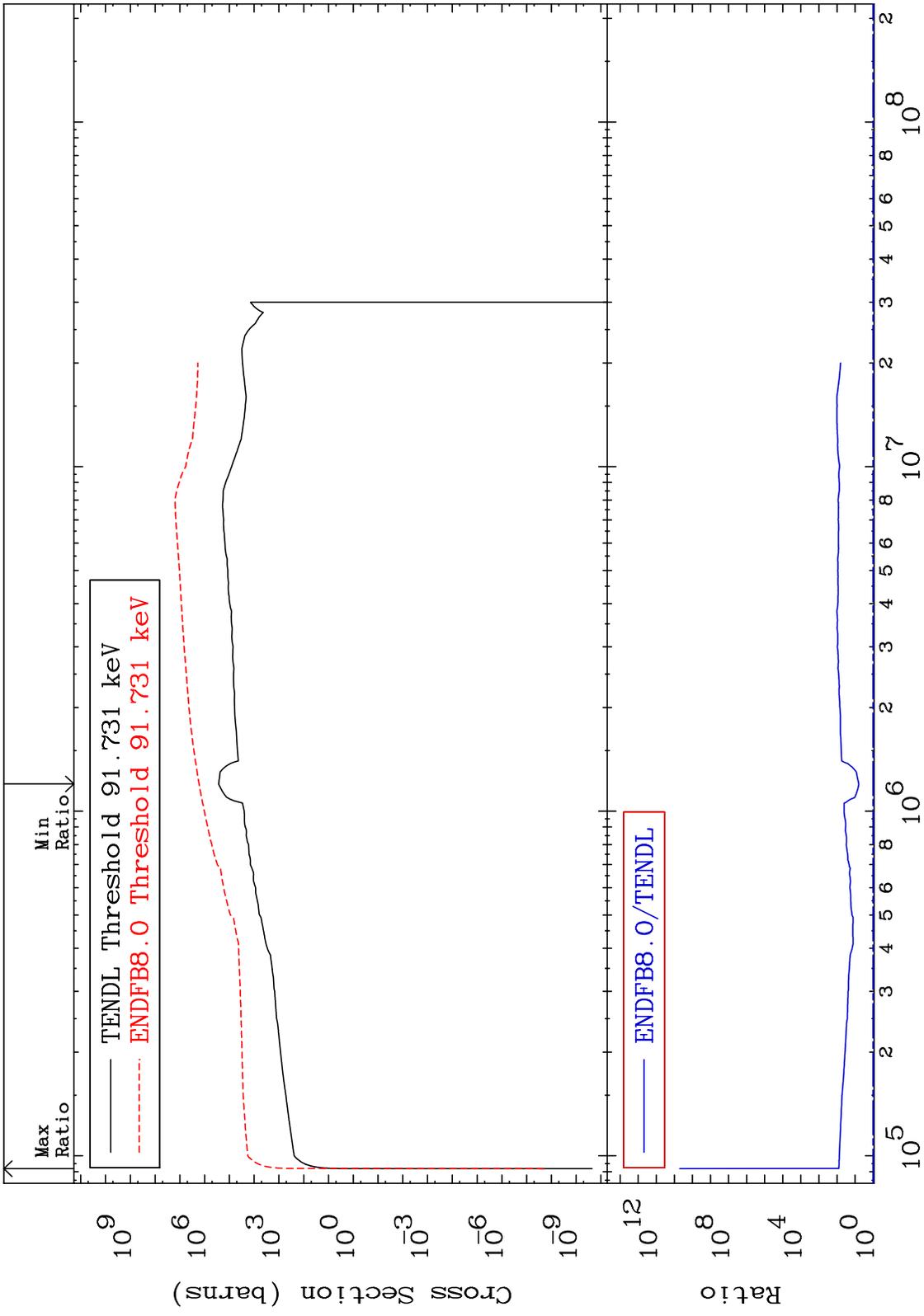
61-Pm-147  
-98.26 To 1145. %



MAT 6149      Kerma non-elastic (all but mt2)      61-Pm-147  
 Cross Section      614.5 To 9999. %



MAT 6149 Kerma inelastic (mt51-91) 61-Pm-147  
 Cross Section 519.8 To 9999. %

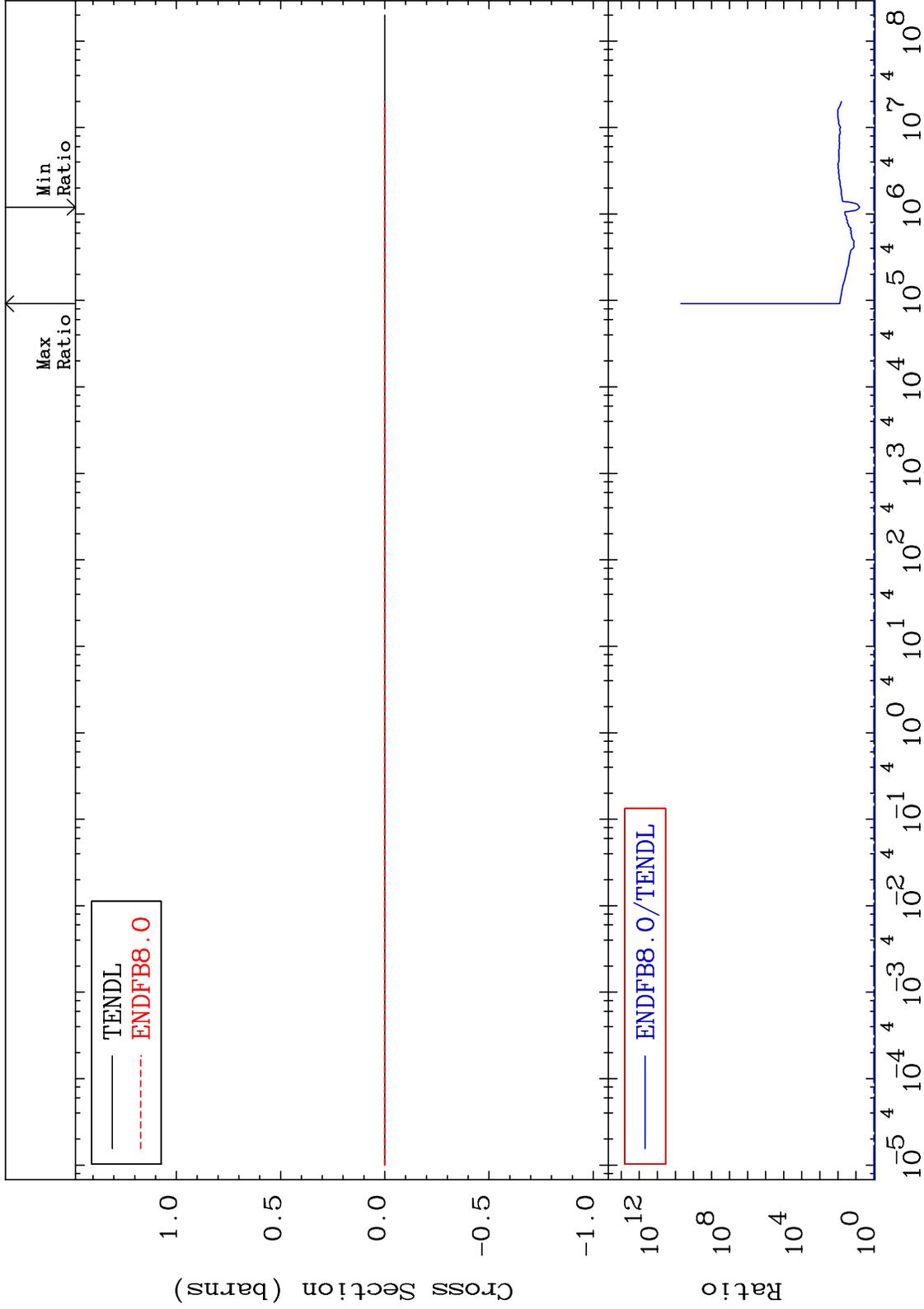


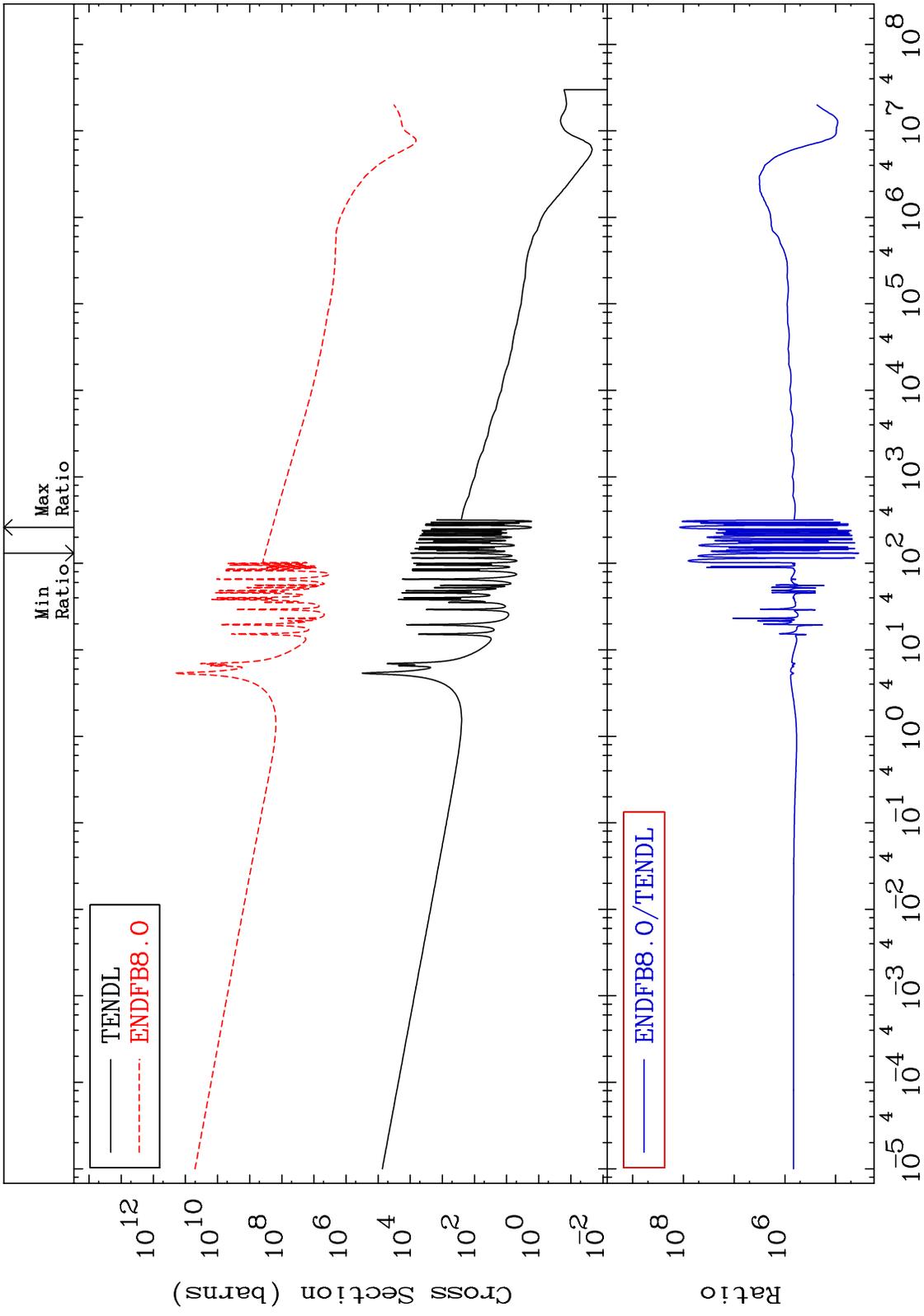
31 61-Pm-147

MAT 6149

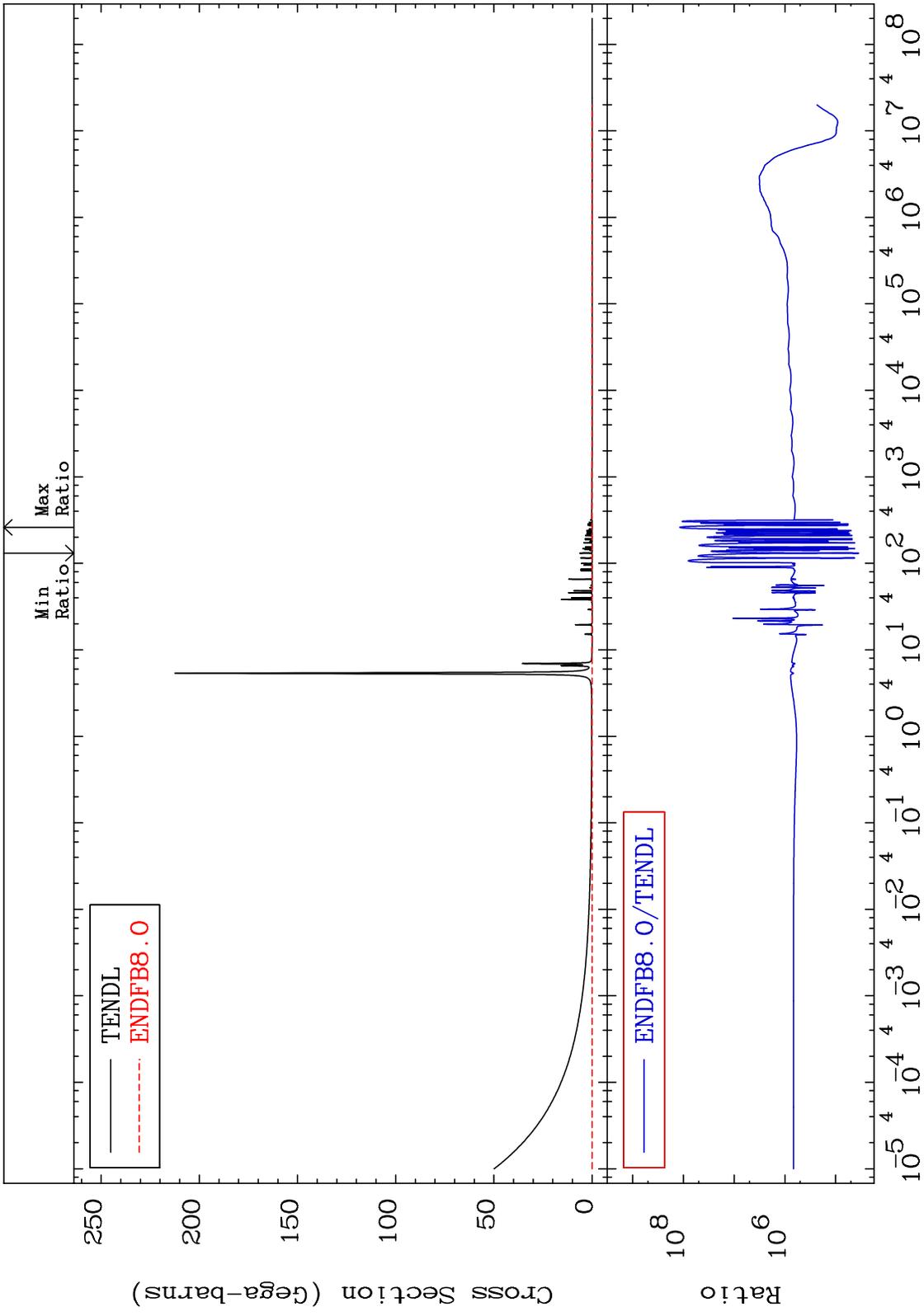
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

61-Pm-147  
519.8 To 9999. %

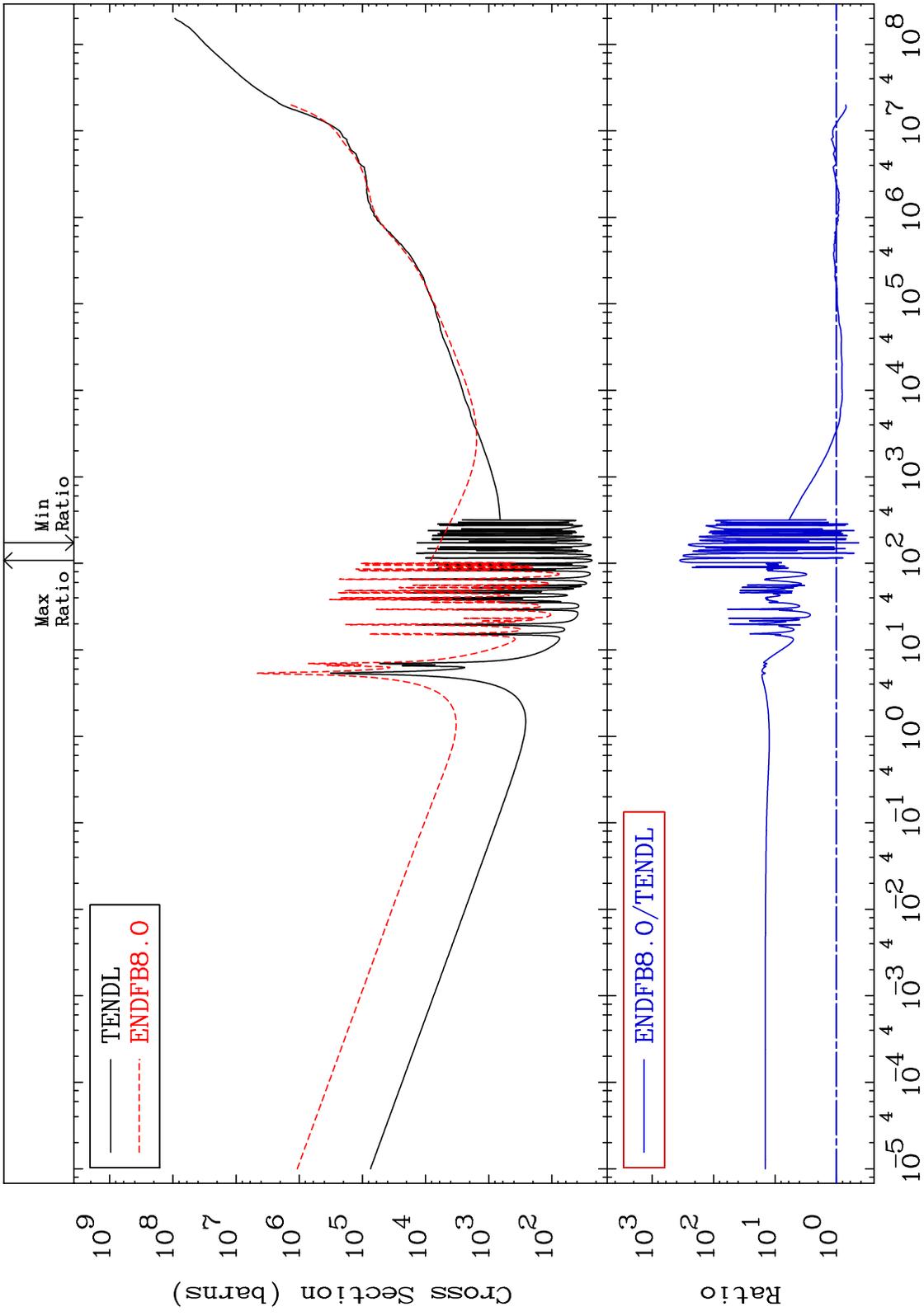




MAT 6149 Total photon (eV-barns) 61-Pm-147  
 Cross Section 9999. To 9999. %



MAT 6149      Total kinematic kerma (high limit)      61-Pm-147  
 Cross Section      -56.59 To 9999. %

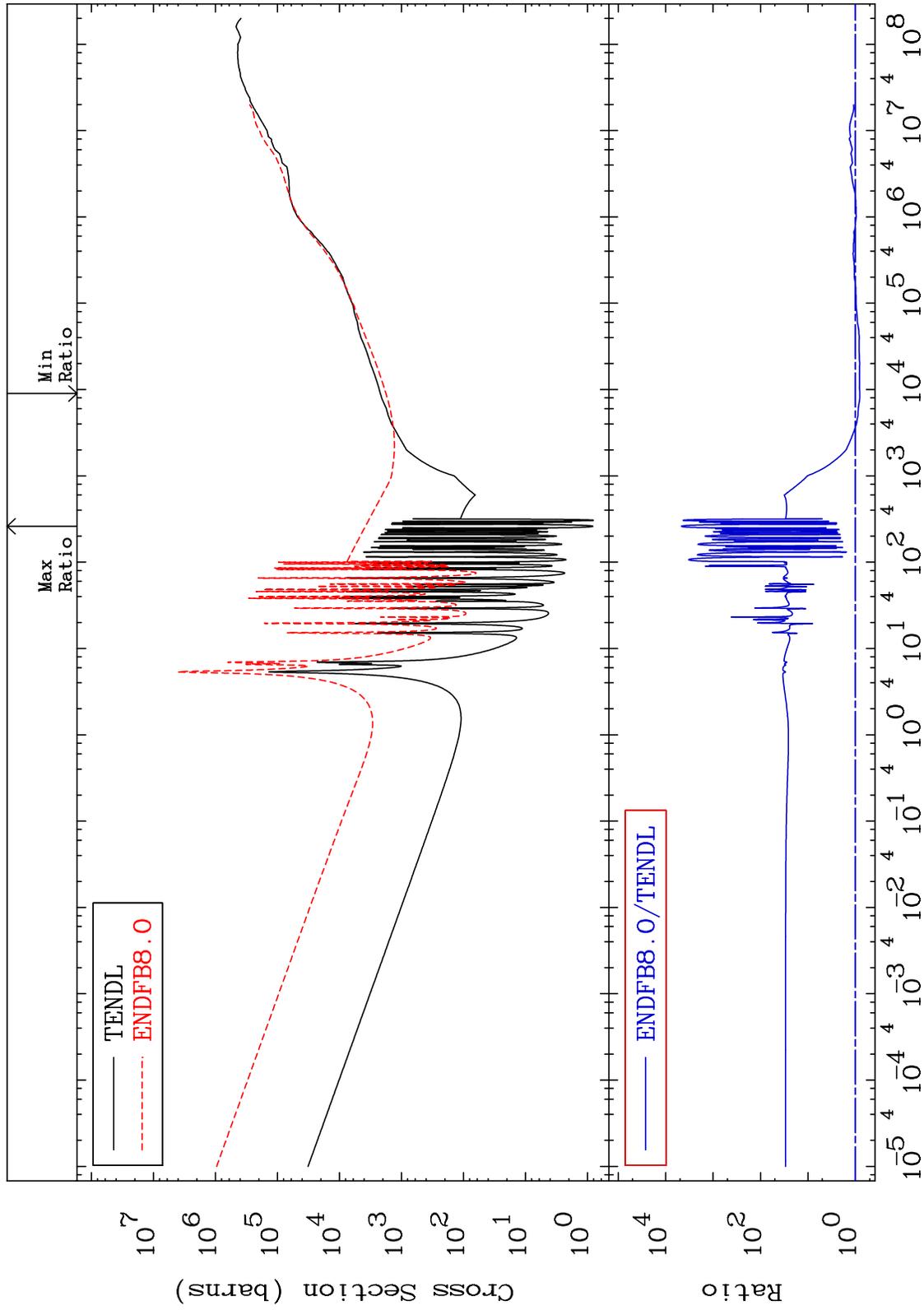


35      Incident Energy (eV)      61-Pm-147

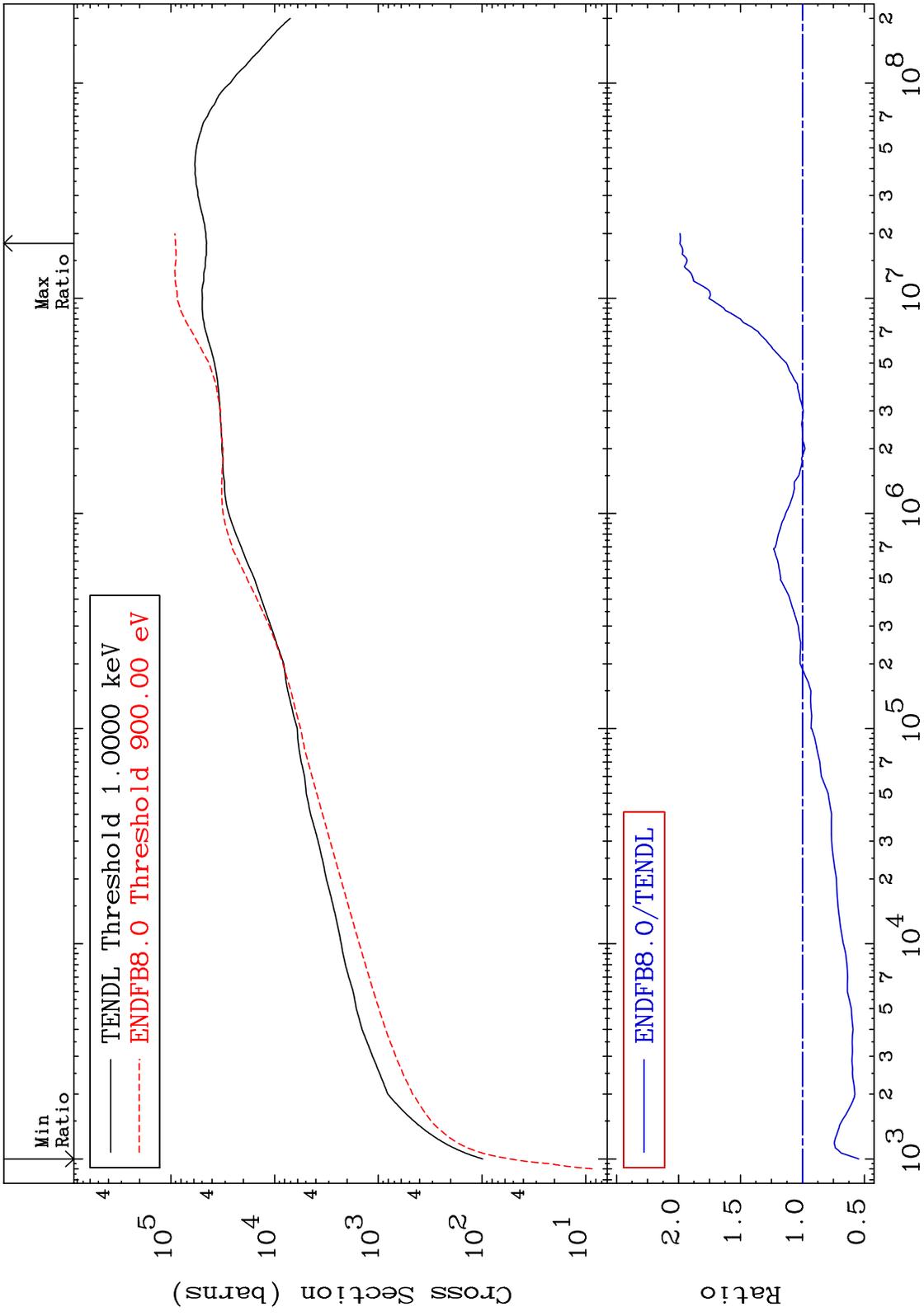
MAT 6149

Dpa total (eV-barns)  
Cross Section

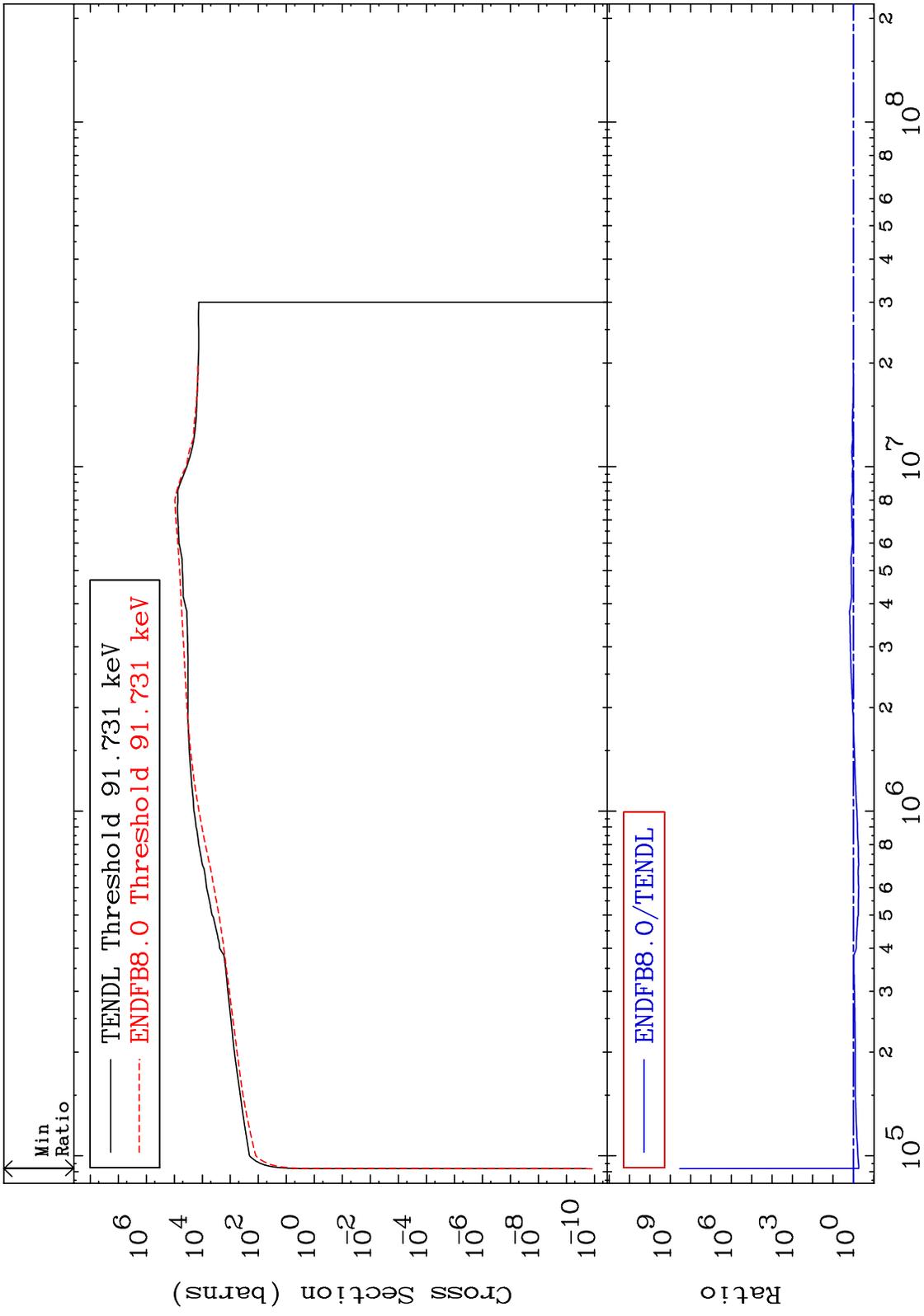
61-Pm-147  
-19.01 To 9999. %



MAT 6149 Dpa elastic (mt2) Cross Section 61-Pm-147 -45.51 To 98.99 %



MAT 6149      Dpa inelastic (mt51-91)      61-Pm-147  
 Cross Section      -46.02 To 9999. %



MAT 6149      Dpa disappearance (mt102 -120)      61-Pm-147  
 Cross Section      -42.96 To 9999. %

