

Program Complot  
(Version 2021-1)

by

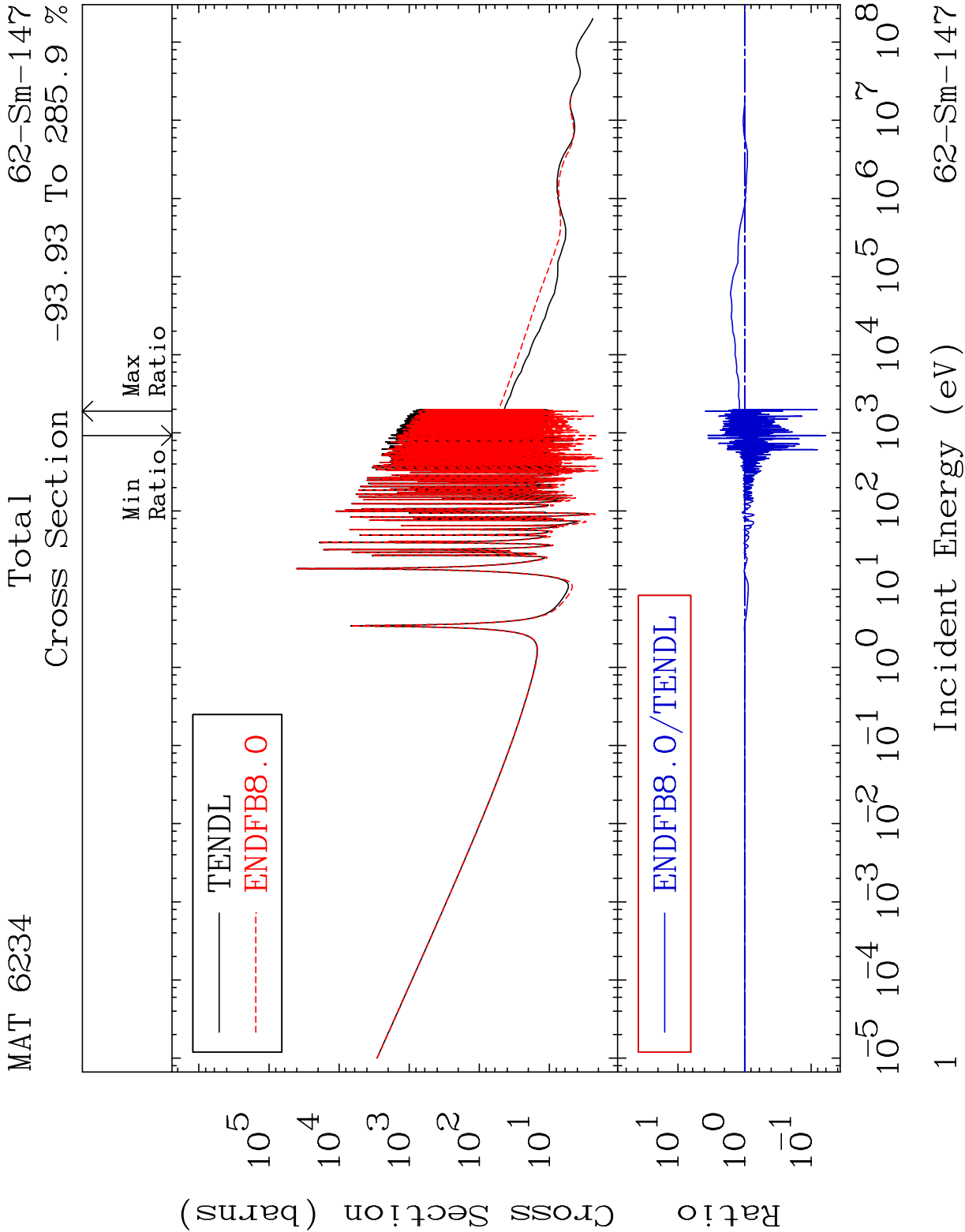
Dermott E. Cullen  
(Present Contact Information)

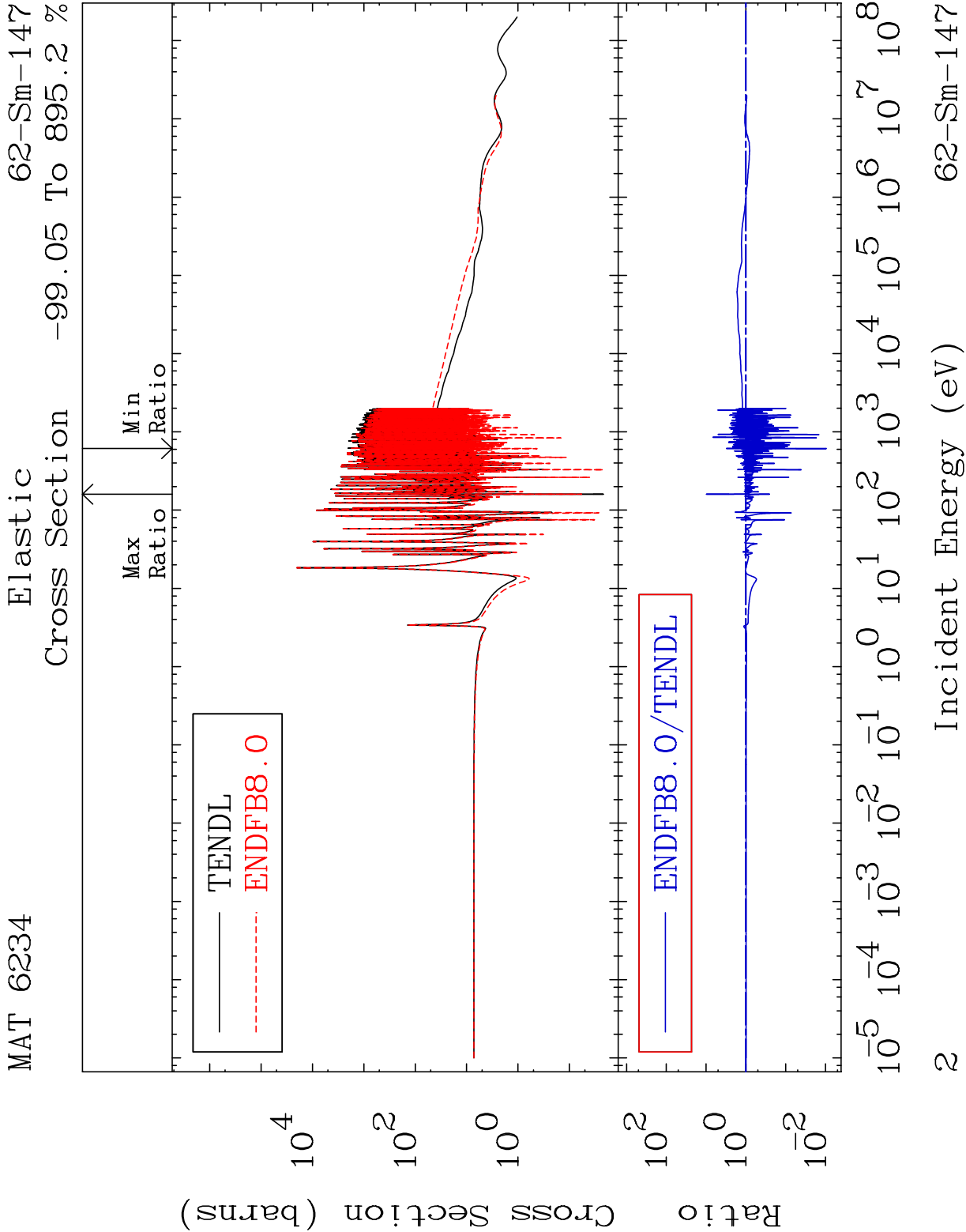
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

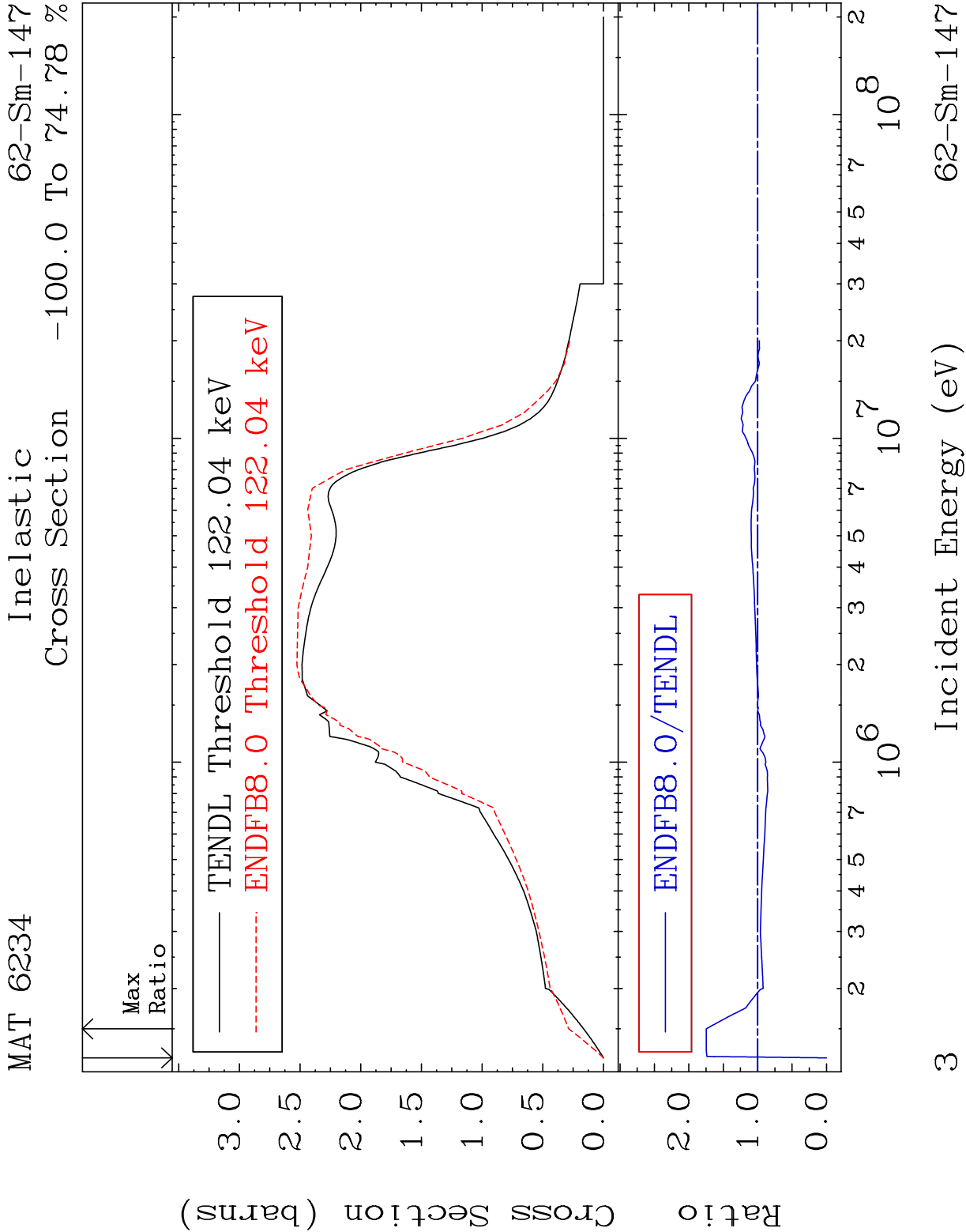
Tele: 925-443-1911

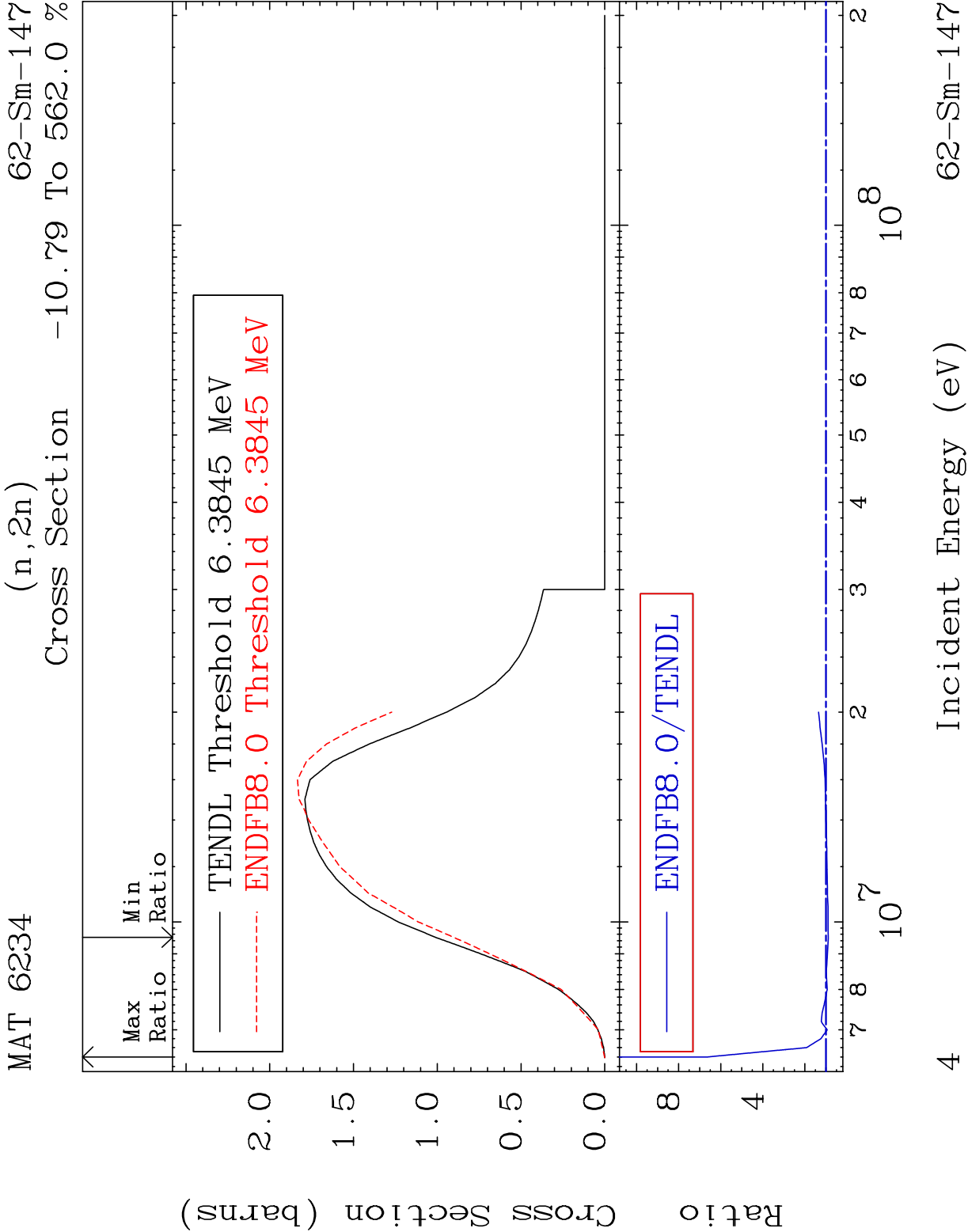
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

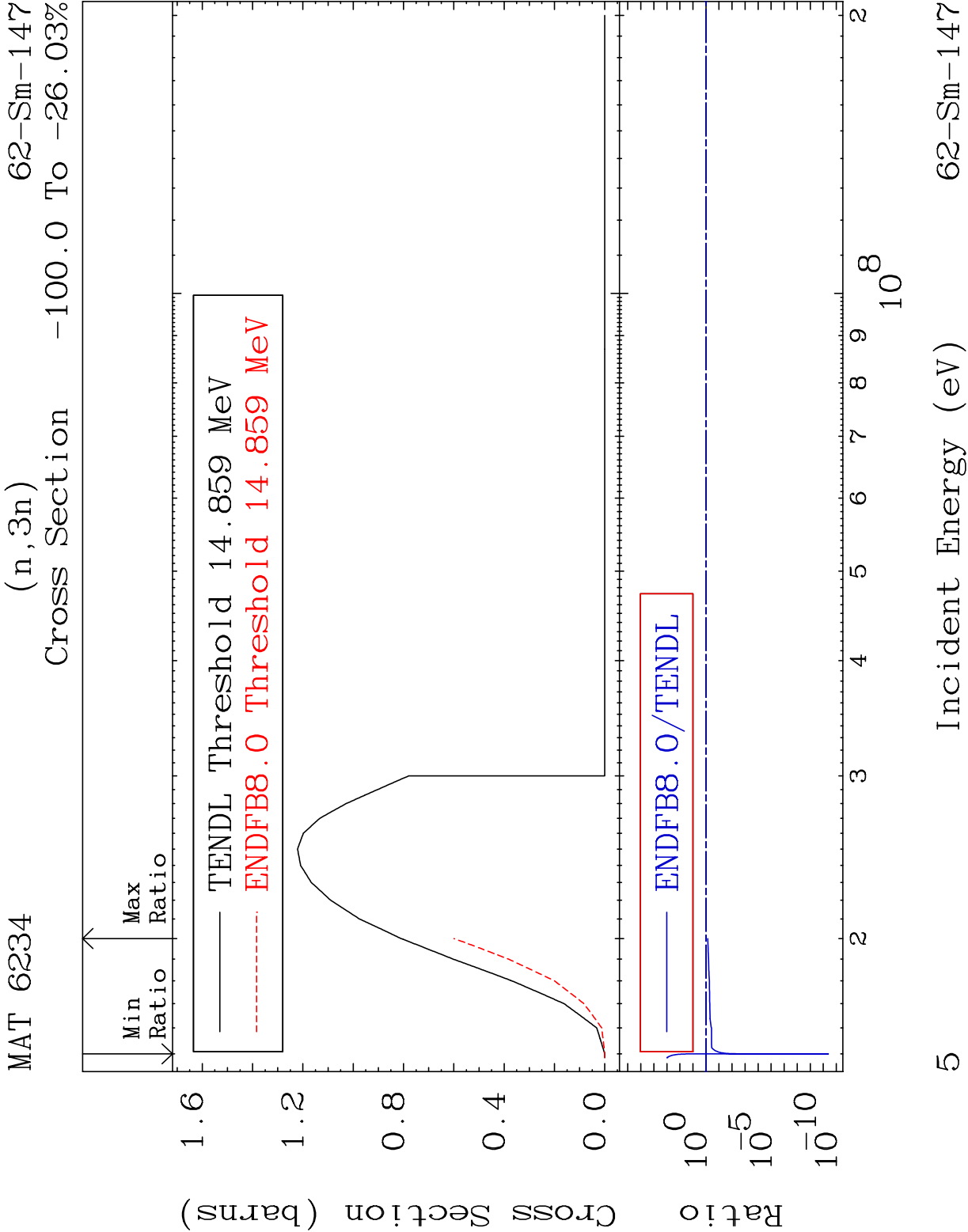
Press Mouse Button to Start

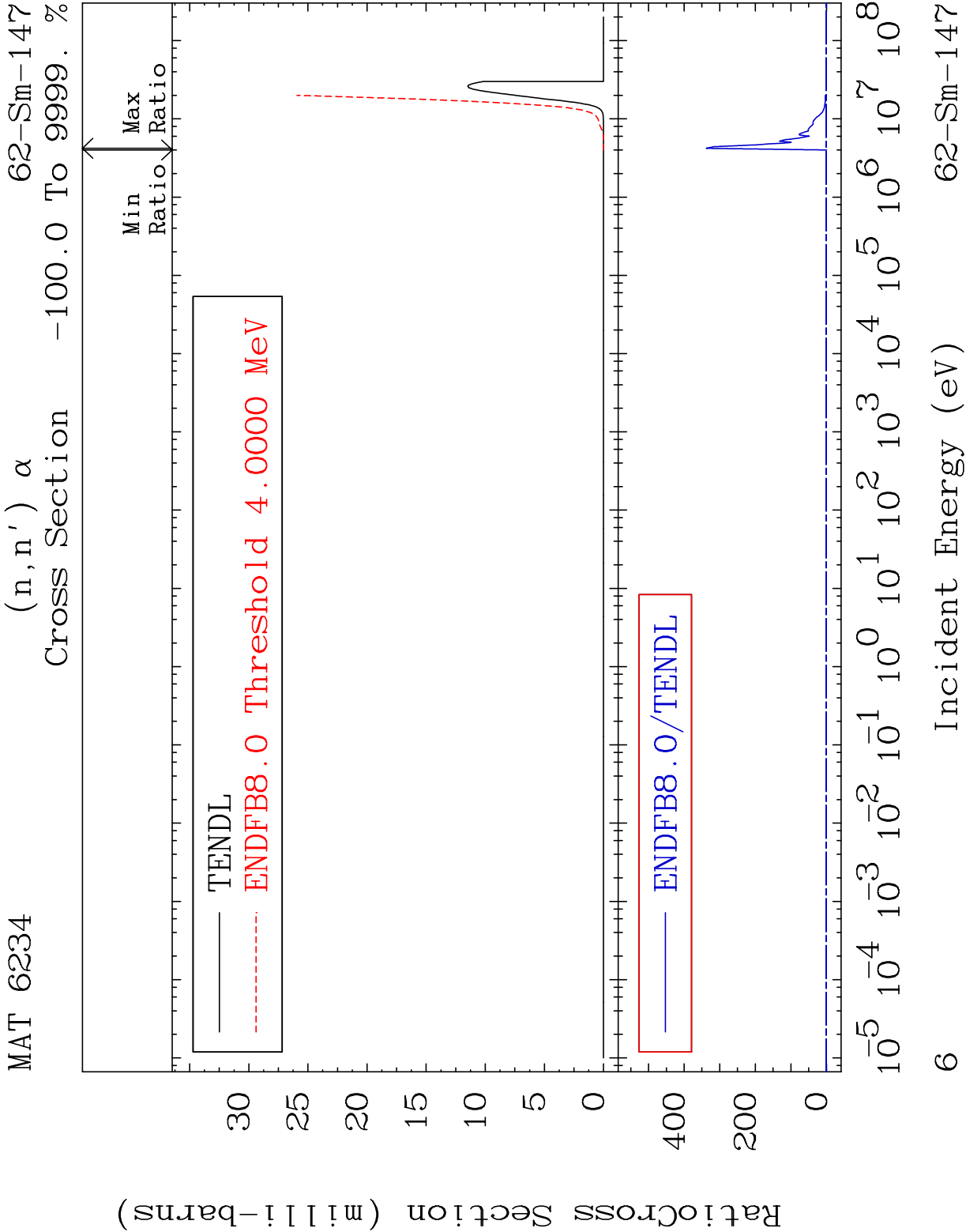


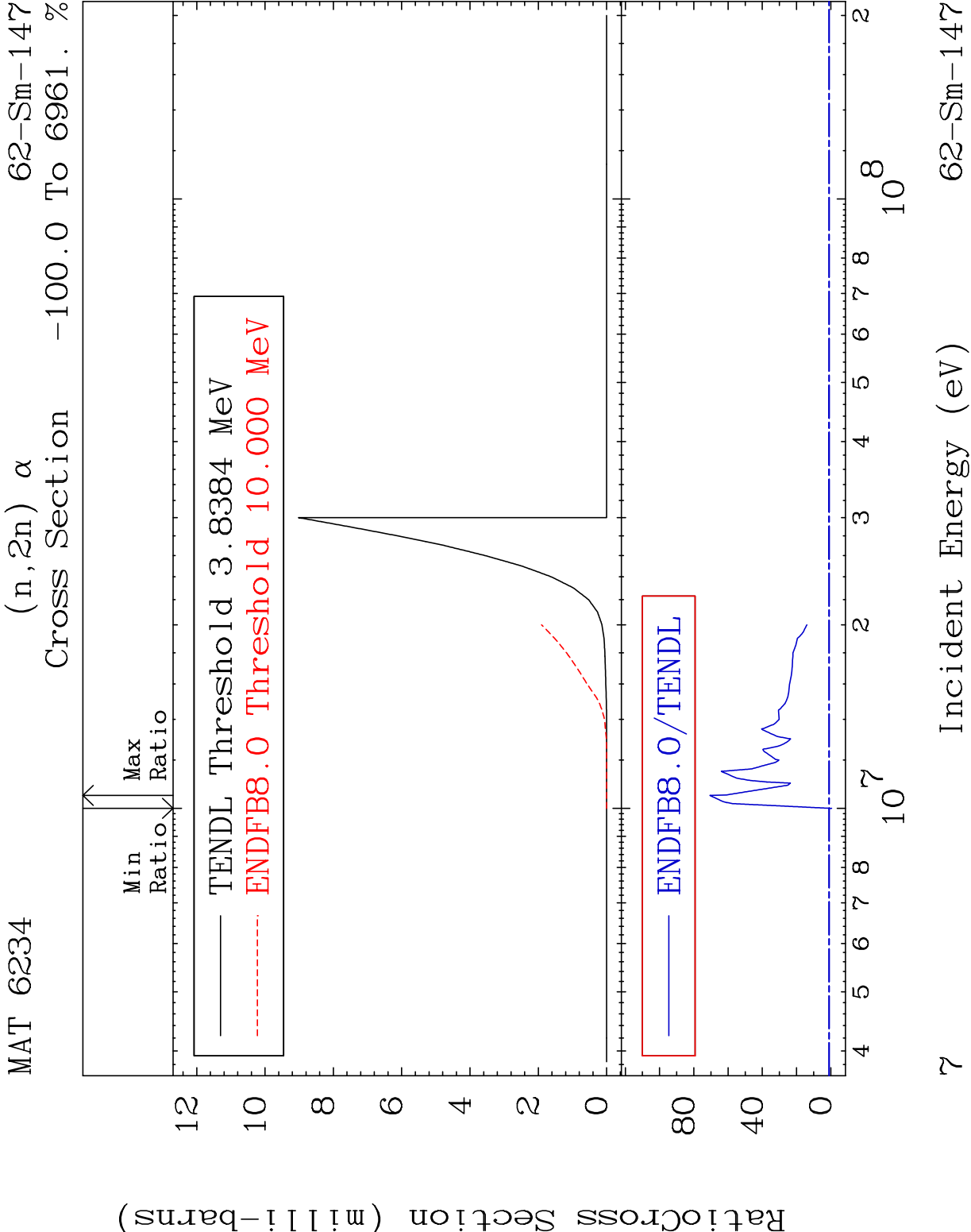




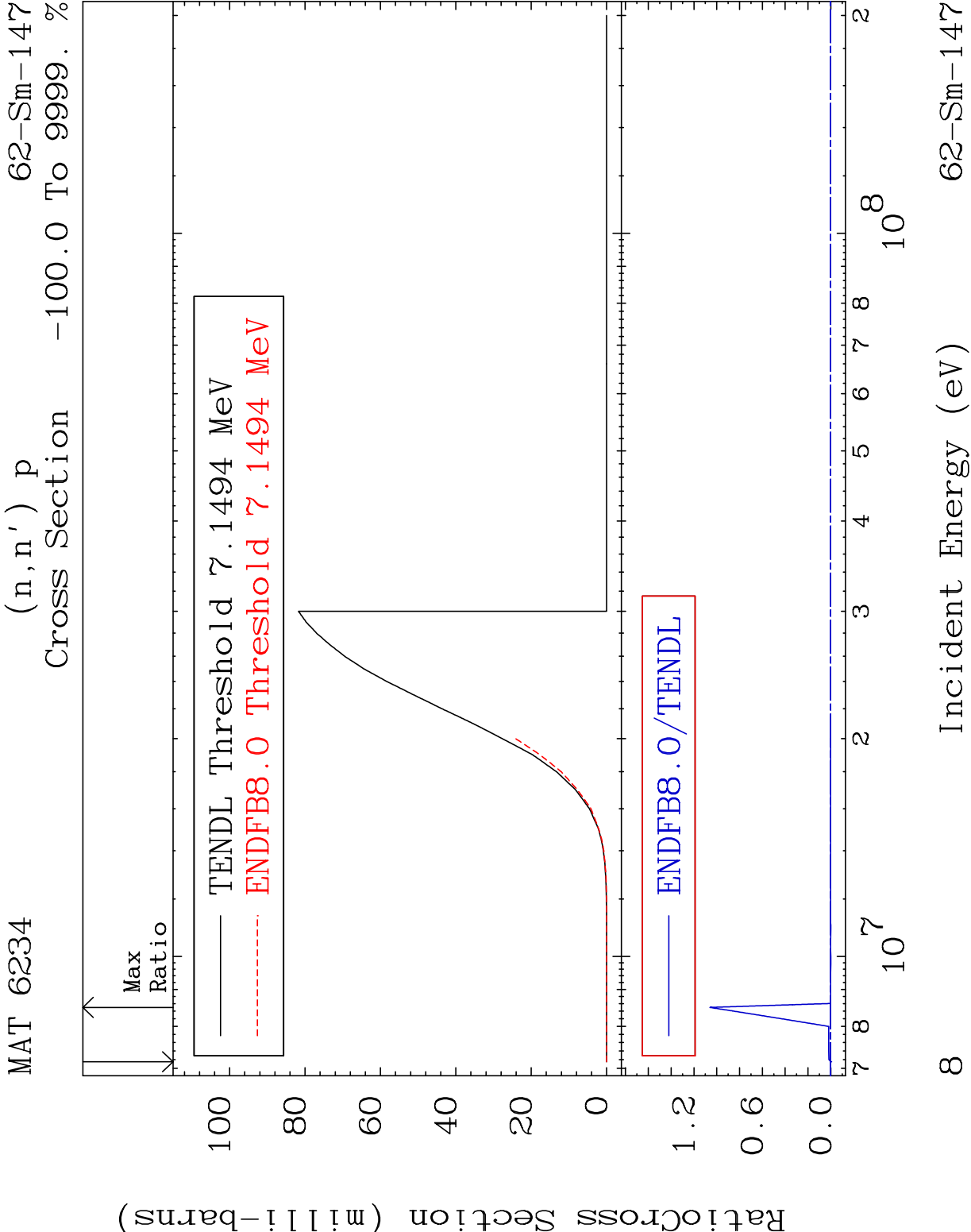


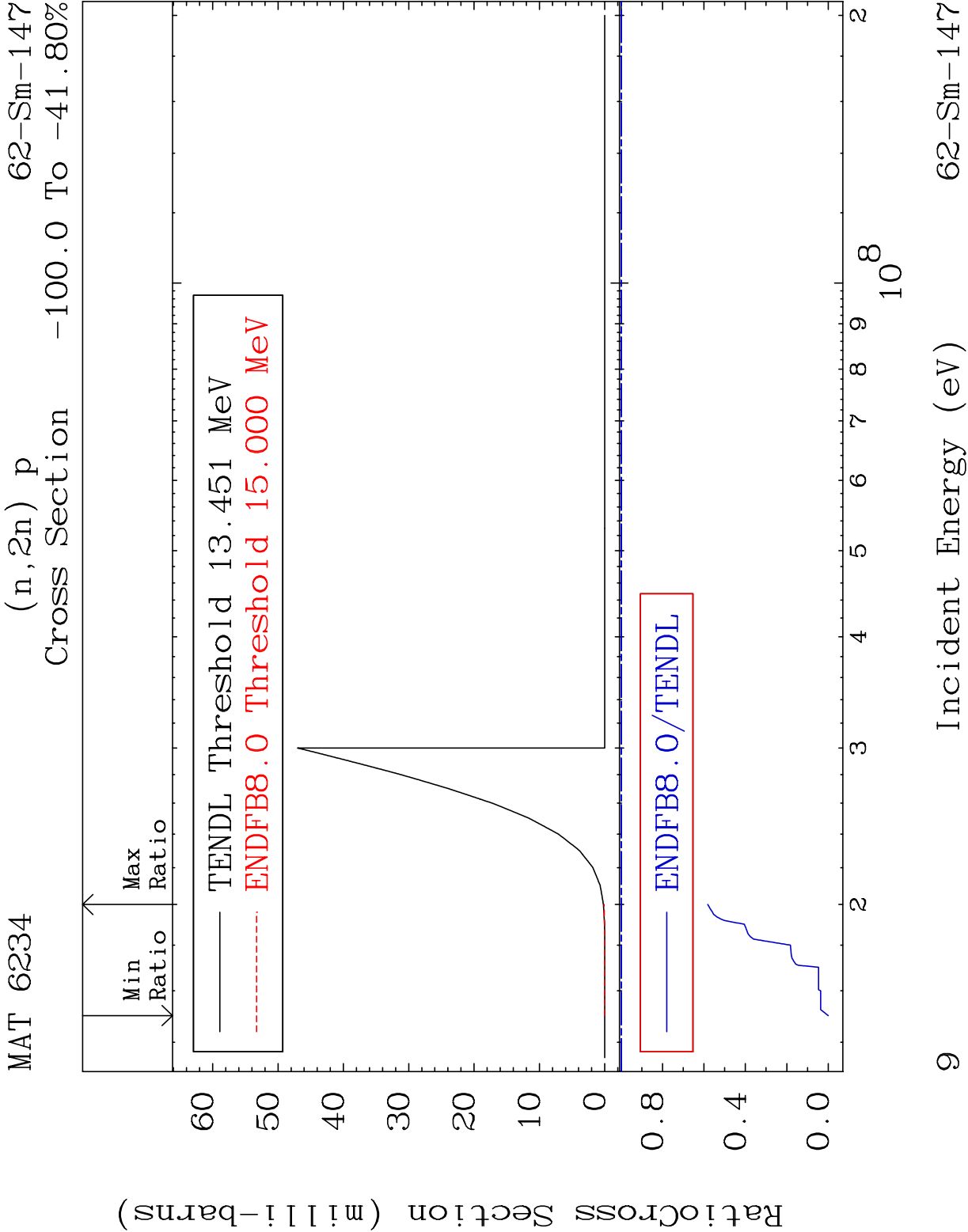


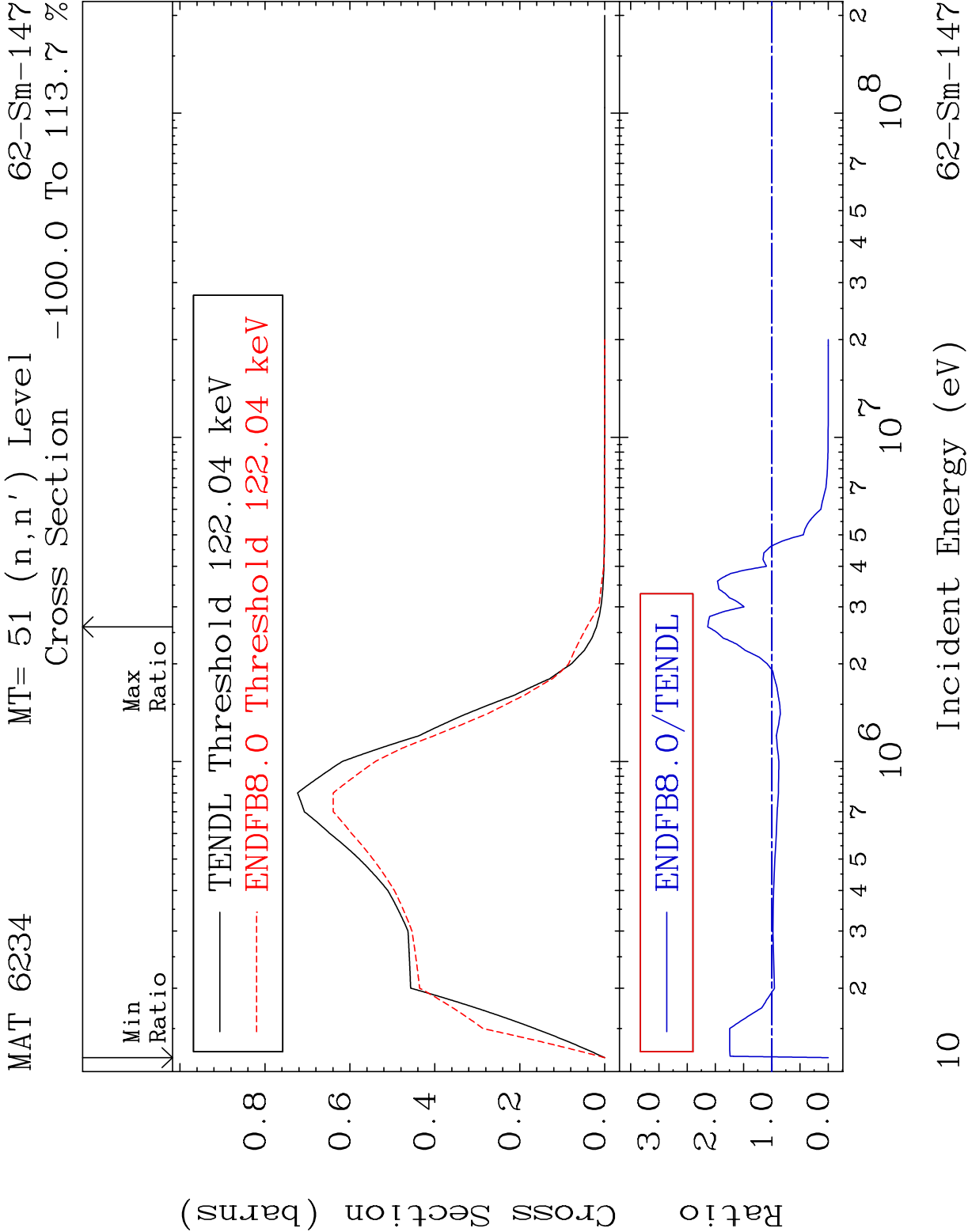










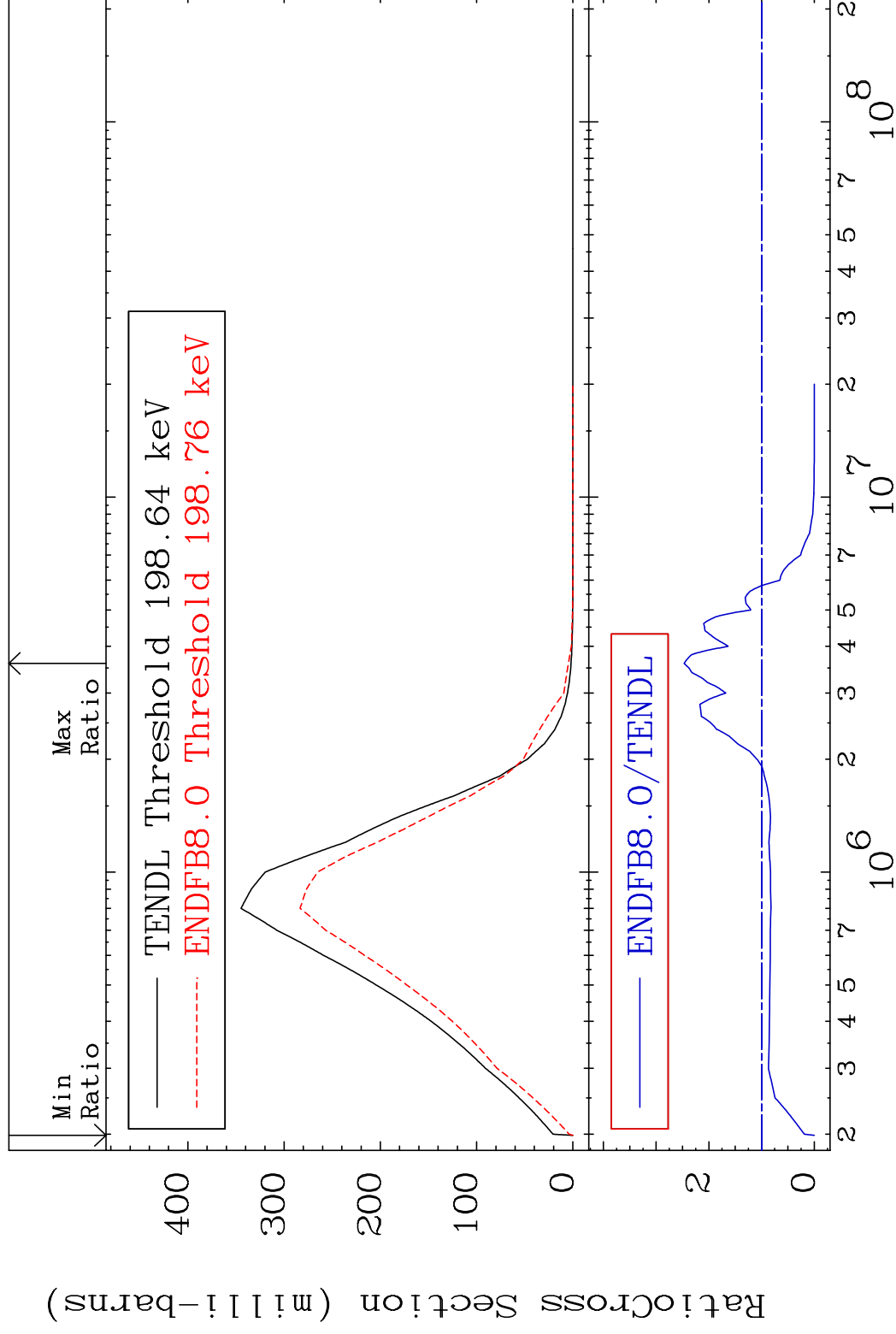


MAT 6234

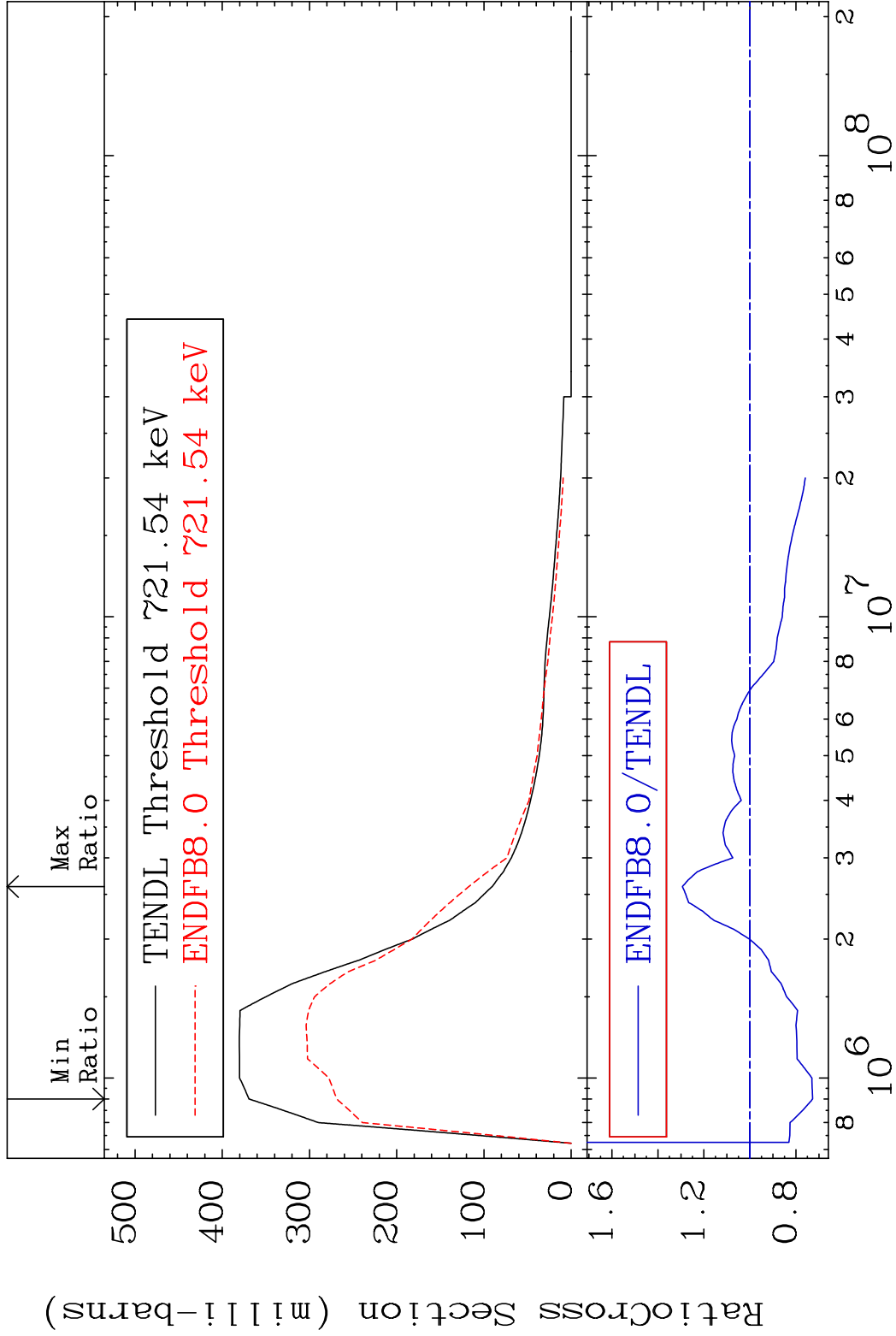
MT= 52 (n, n') Level

62-Sm-147

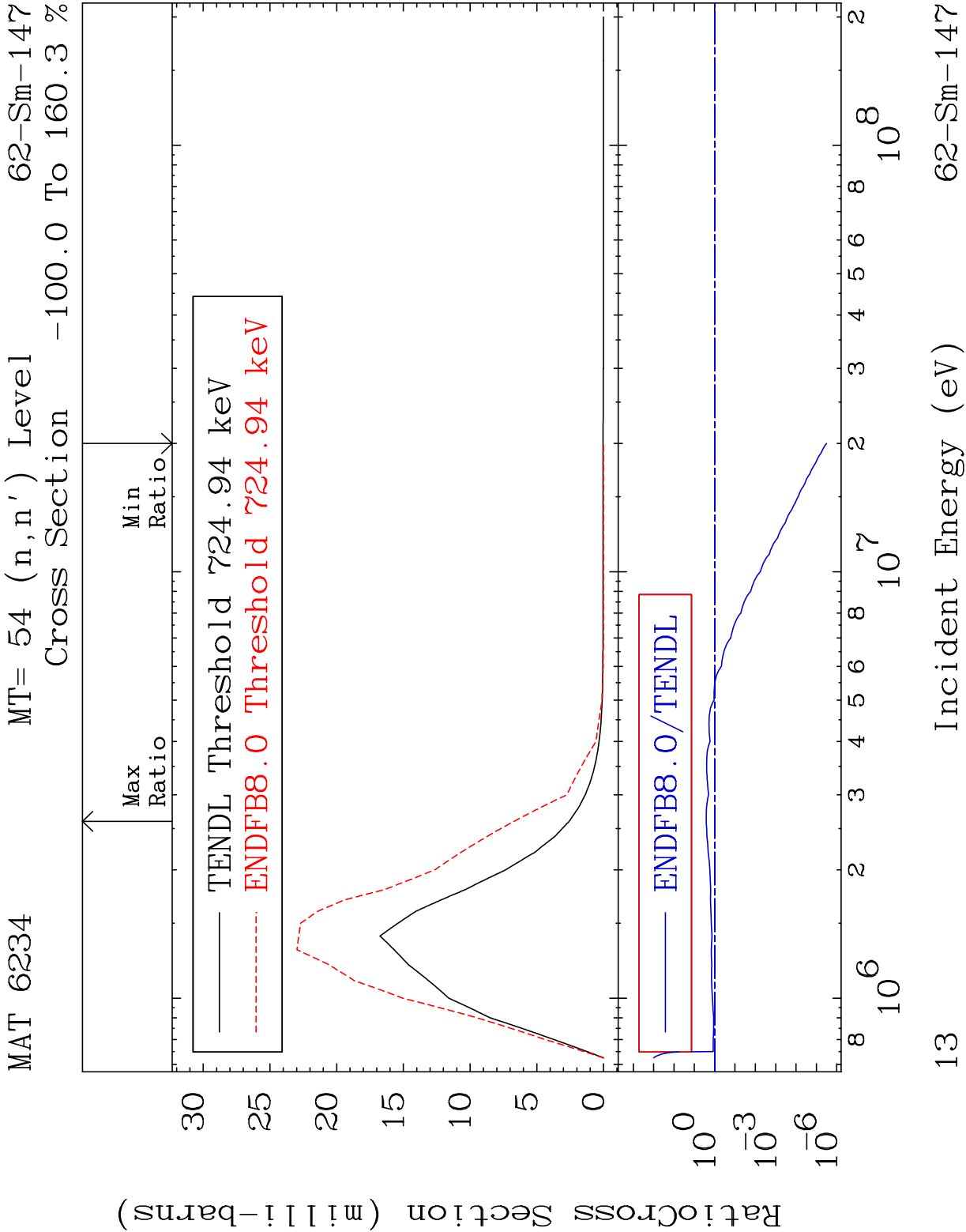
Cross Section -100.0 To 147.0 %



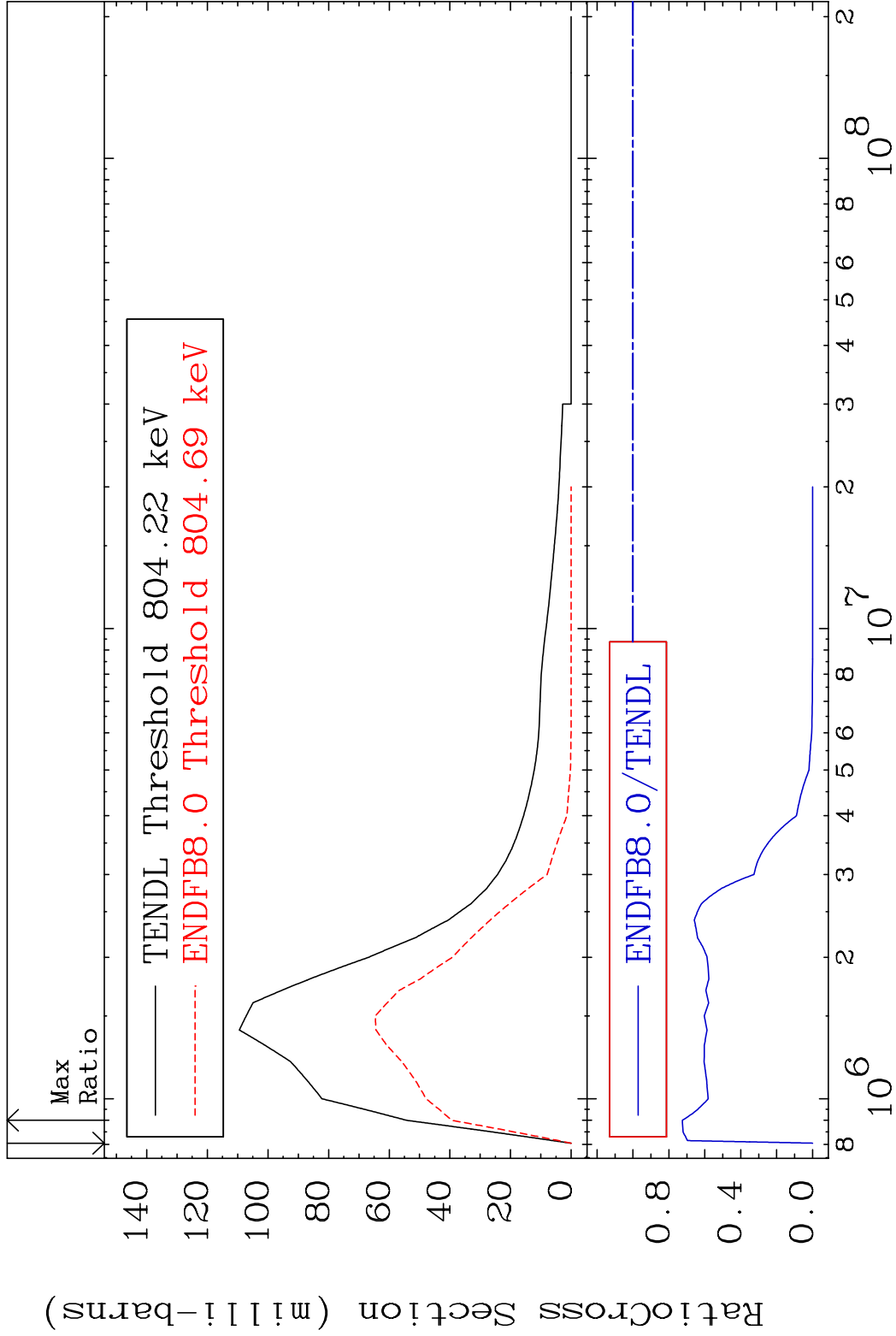
MAT 6234      MT= 53 (n,n') Level      62-Sm-147  
Cross Section    -27.22 To 29.38 %



12      Incident Energy (eV)      62-Sm-147

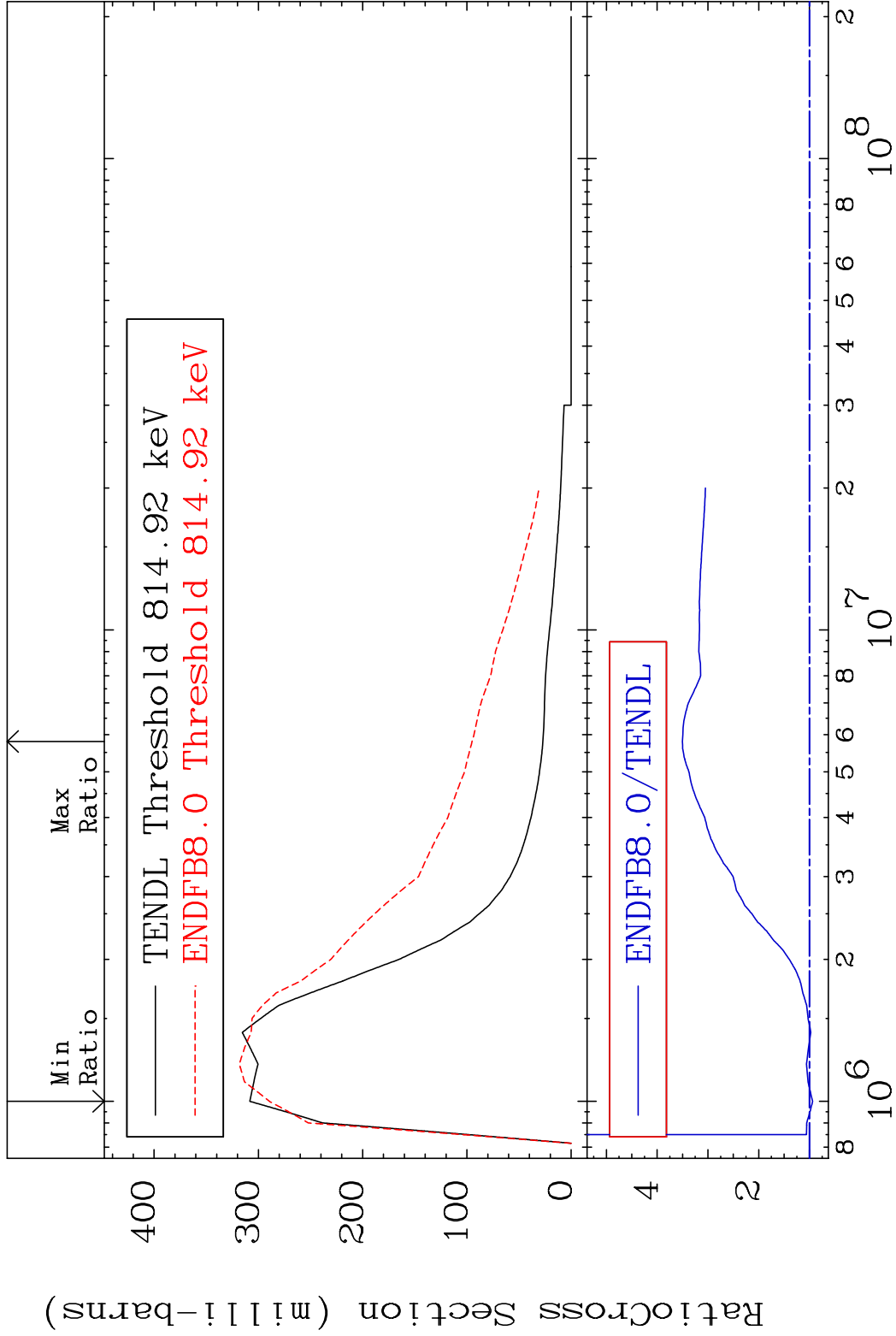


MAT 6234      MT= 55 (n,n') Level      62-Sm-147  
Cross Section    -100.0 To -27.50%



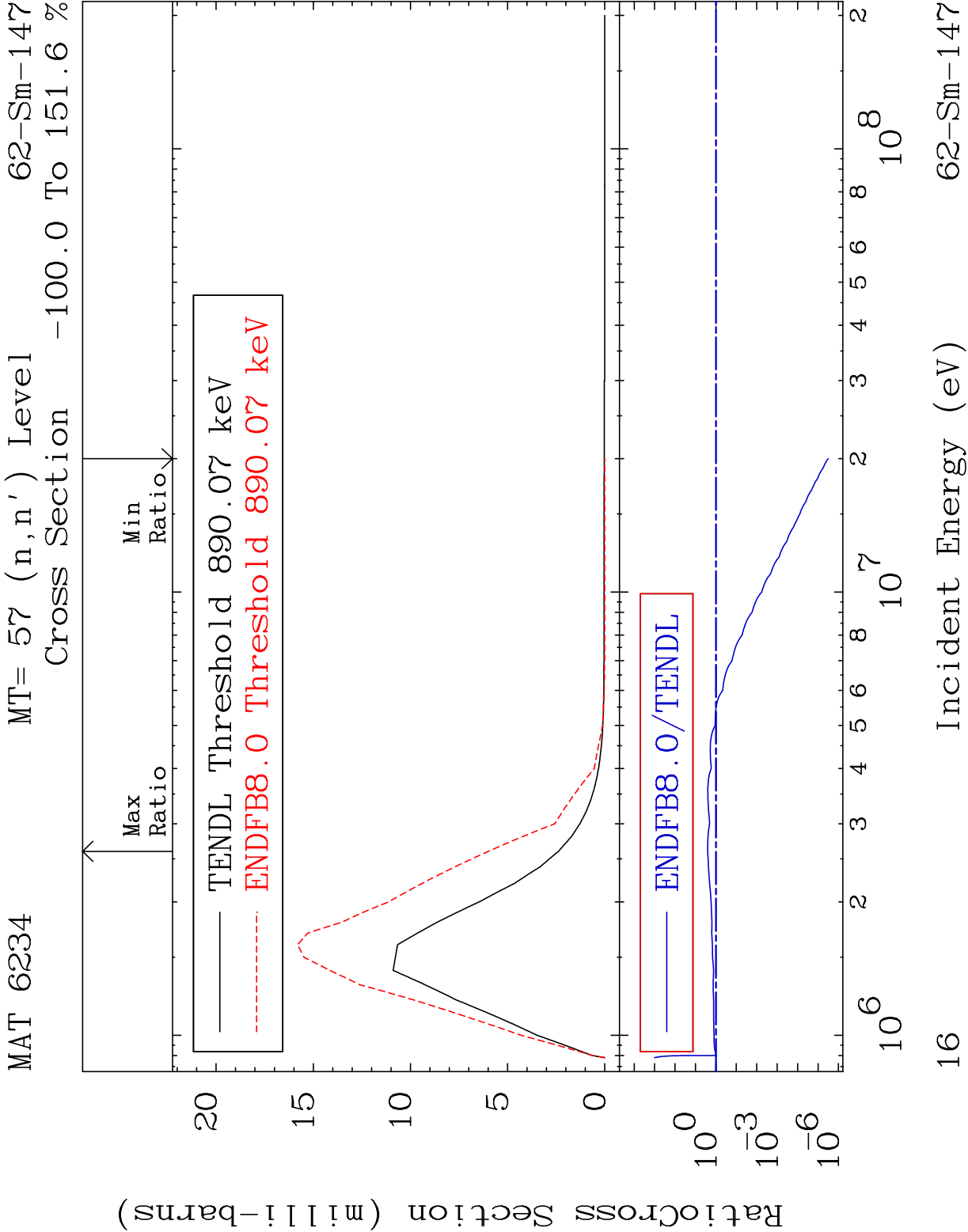
14      Incident Energy (eV)      62-Sm-147

MAT 6234      MT= 56 (n,n') Level      62-Sm-147  
Cross Section    -6.078 To 250.4 %

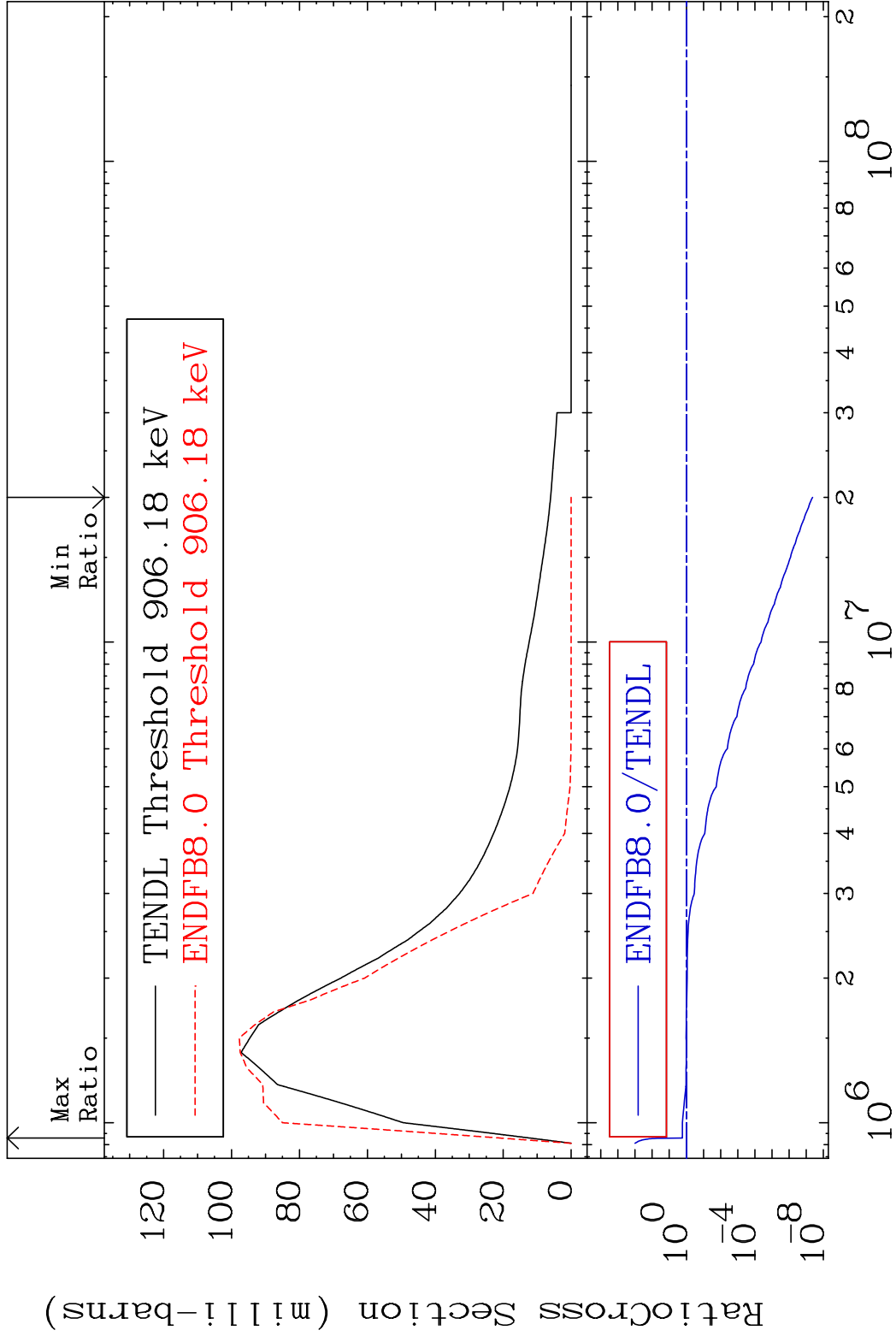


15      Incident Energy (eV)      62-Sm-147



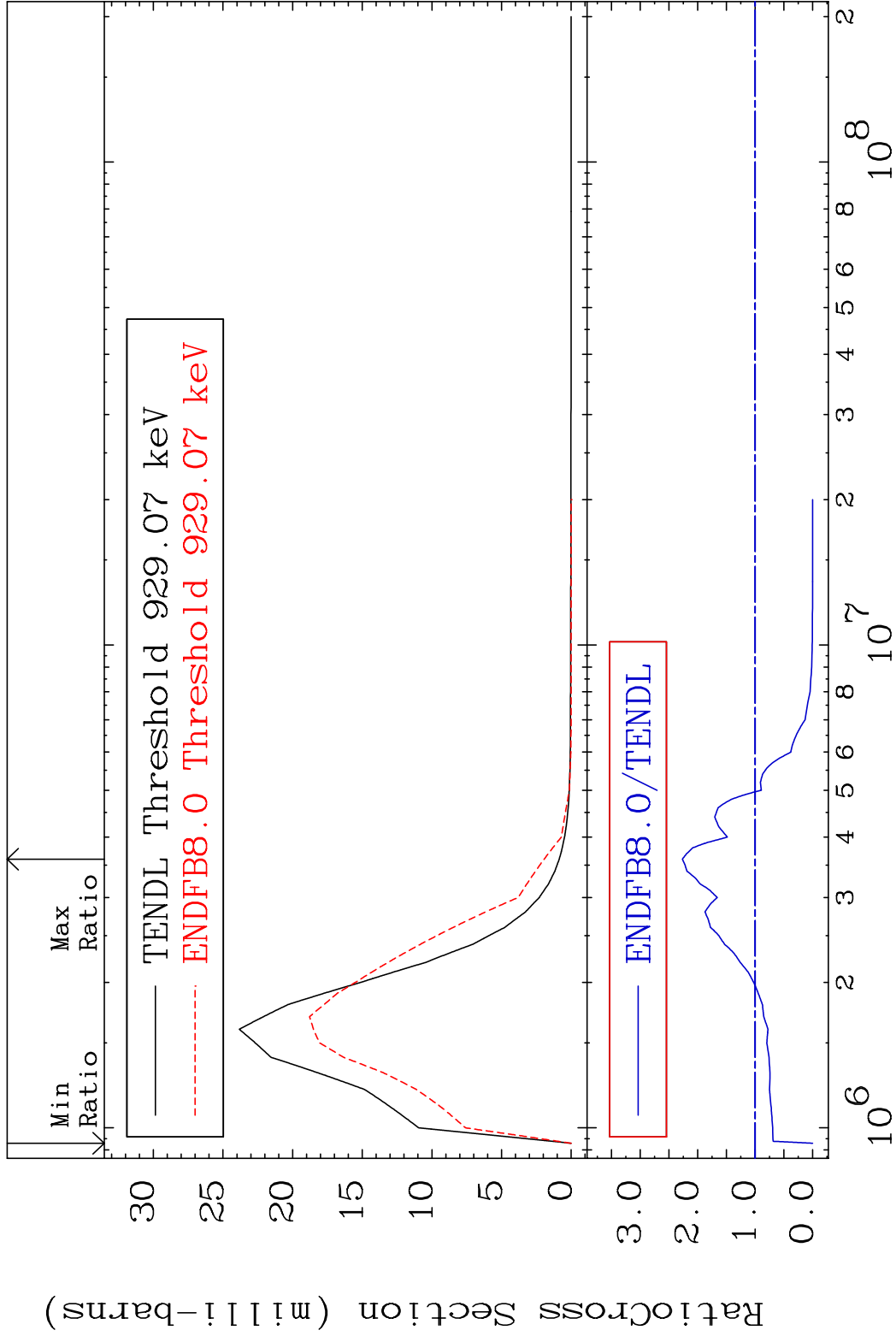


MAT 6234      MT= 58 (n,n') Level      62-Sm-147  
Cross Section    -100.0 To 71.95 %

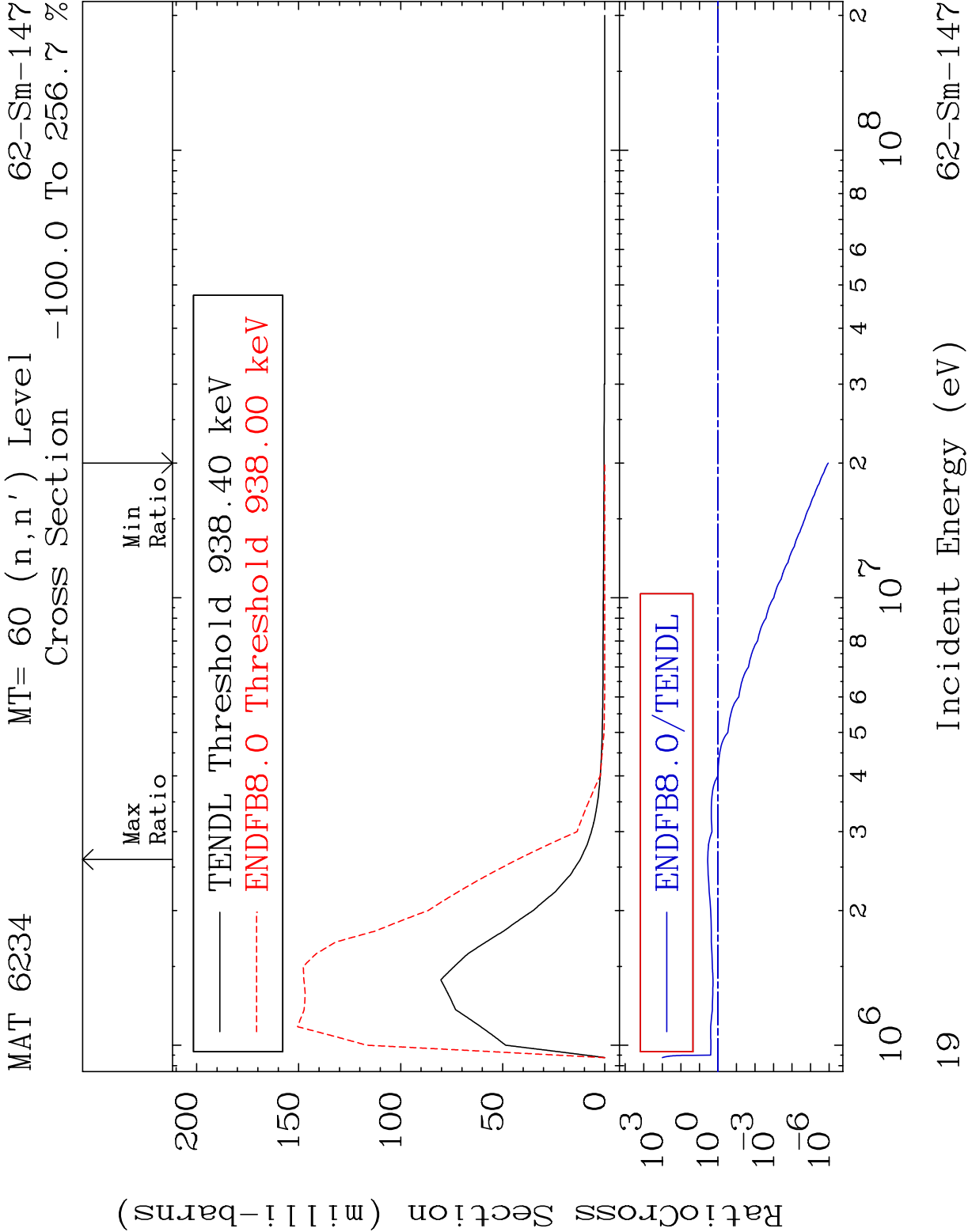


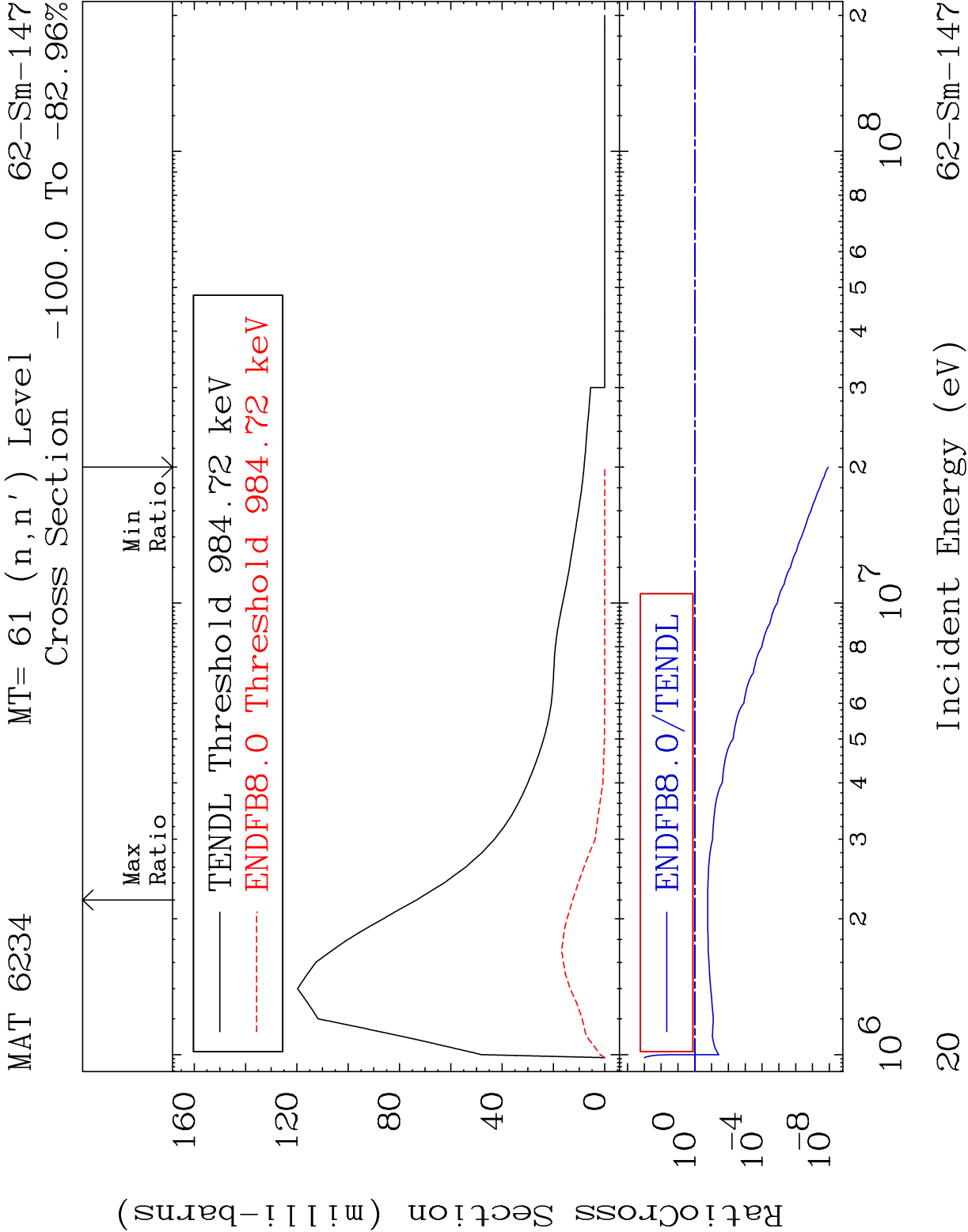
17      Incident Energy (eV)      62-Sm-147

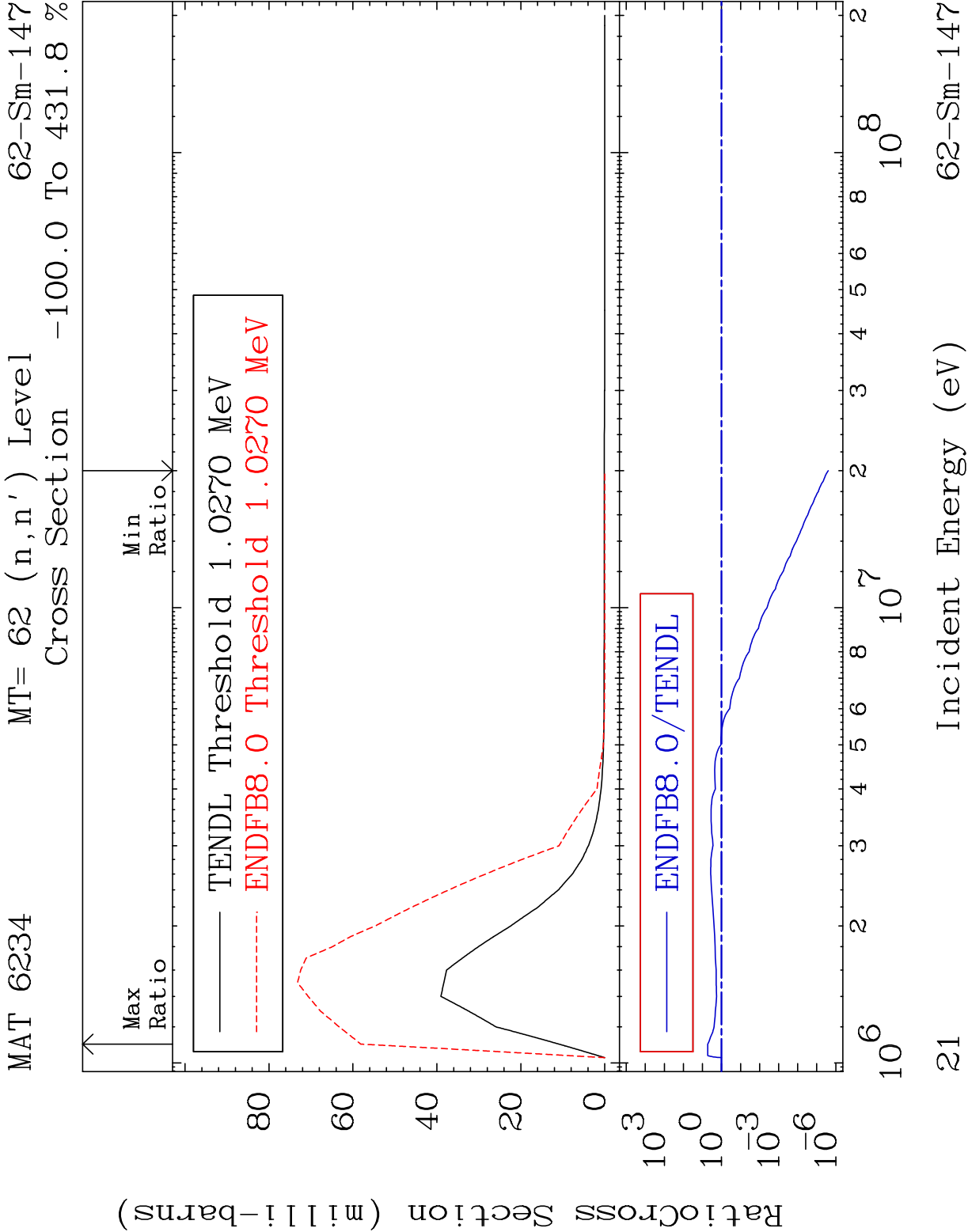
MAT 6234      MT= 59 (n,n') Level      62-Sm-147  
Cross Section    -100.0 To 126.7 %

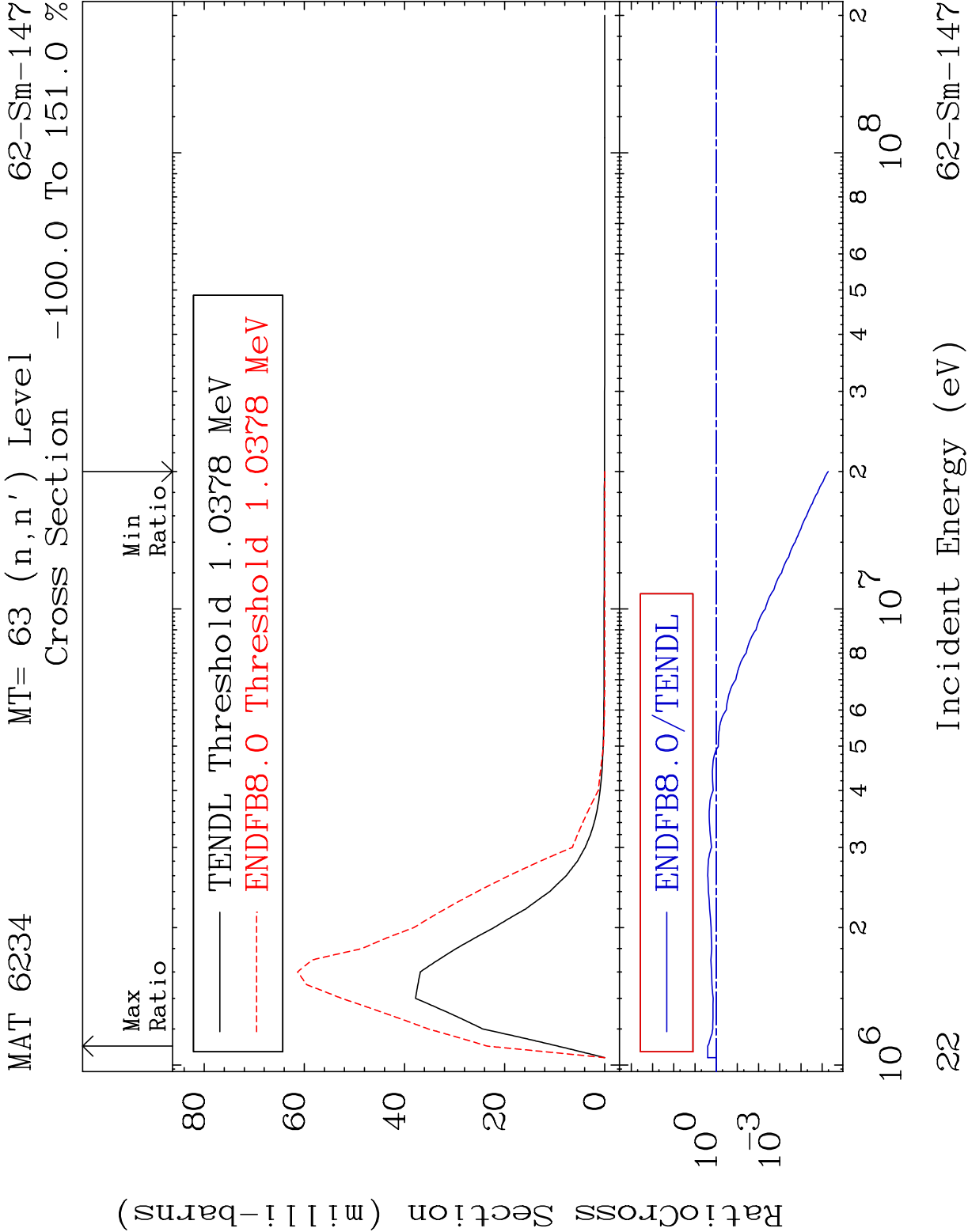


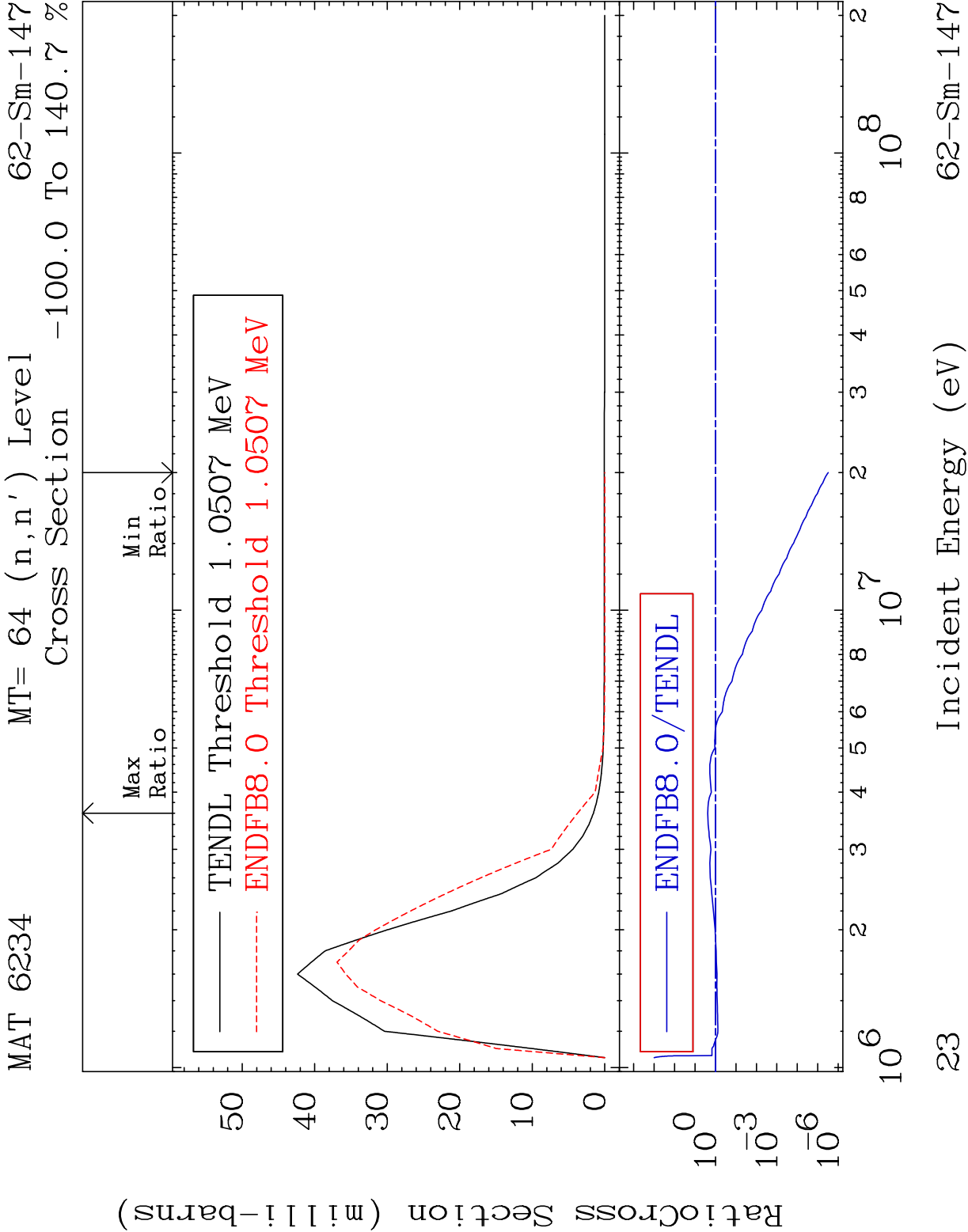
18      Incident Energy (eV)      62-Sm-147





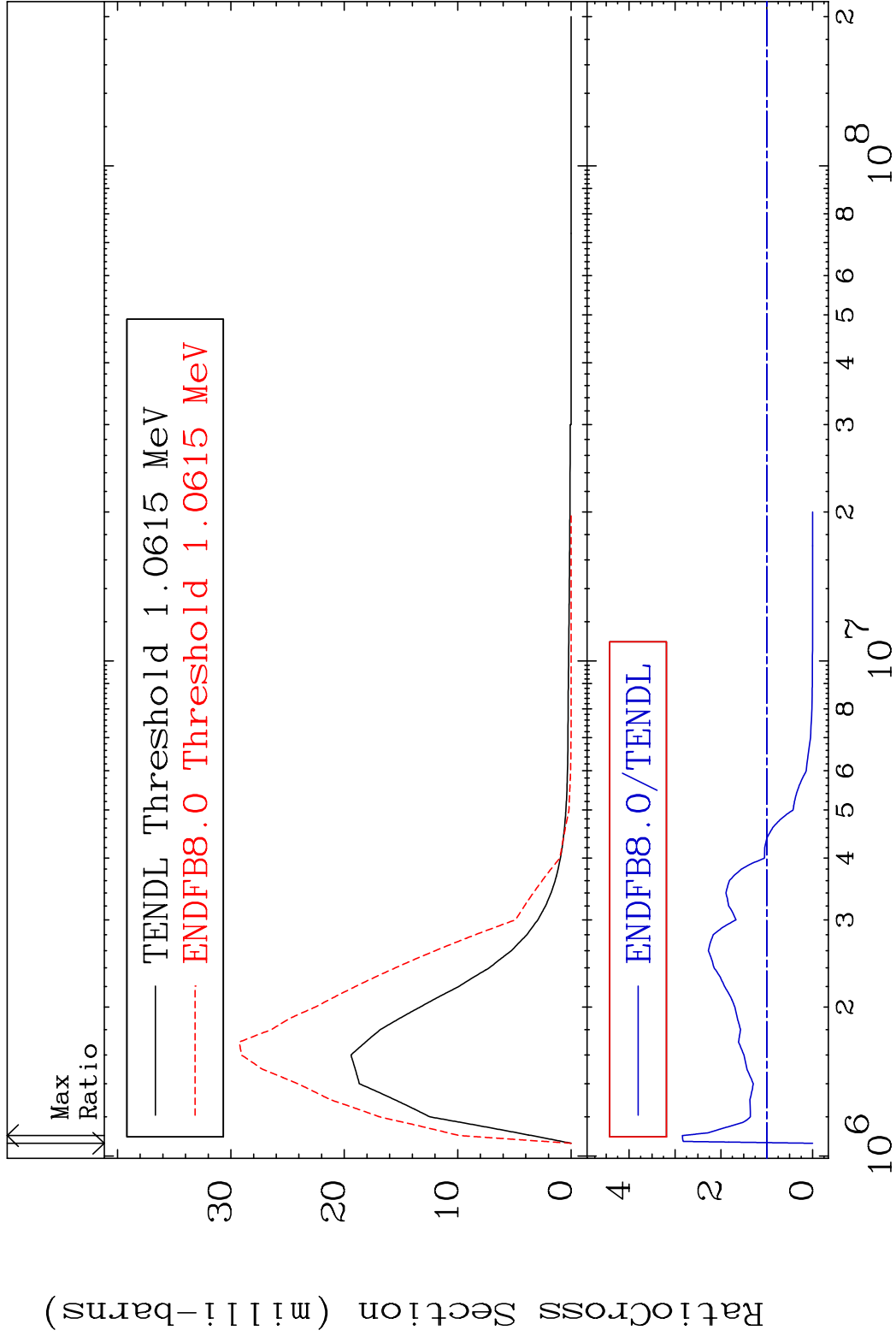






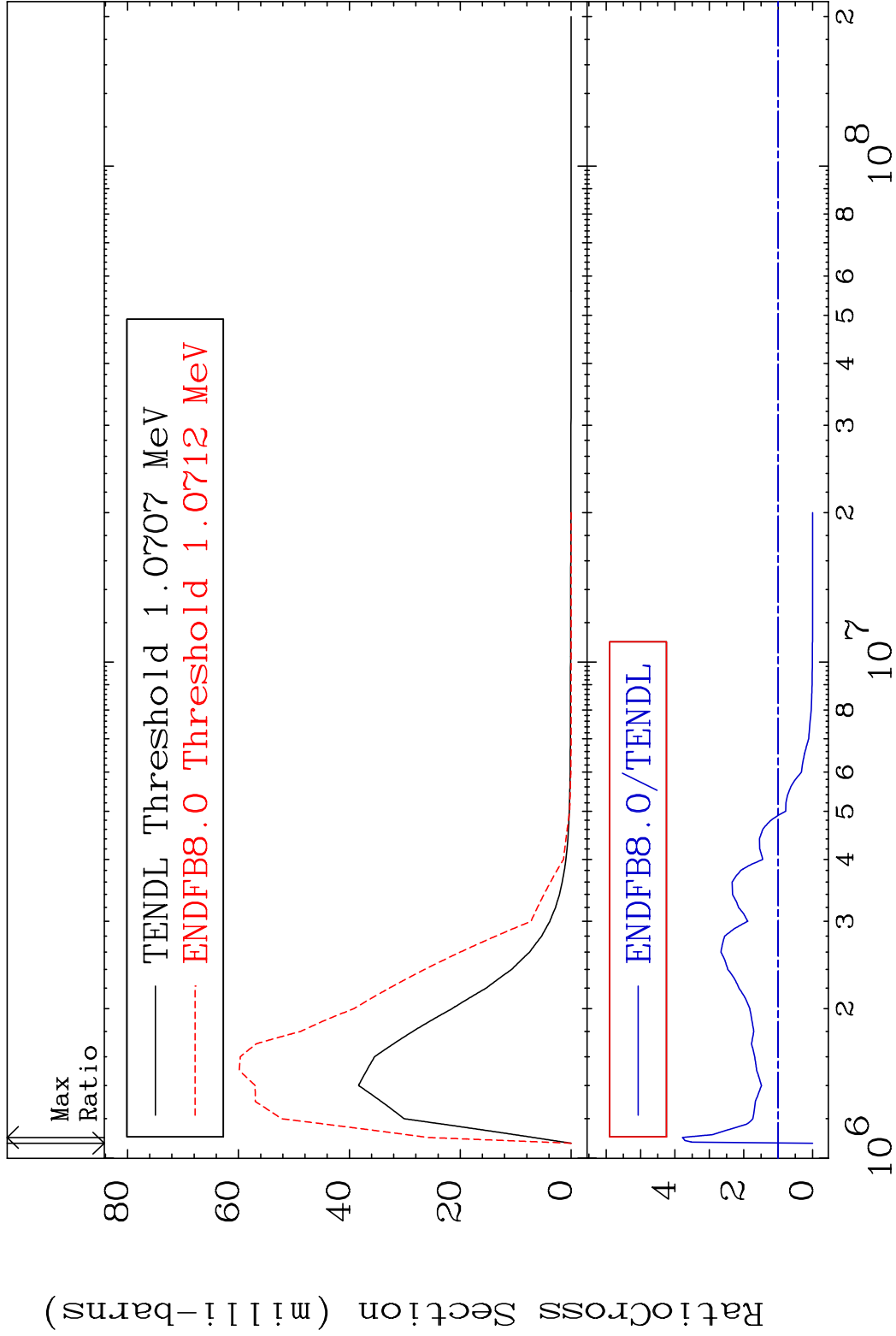


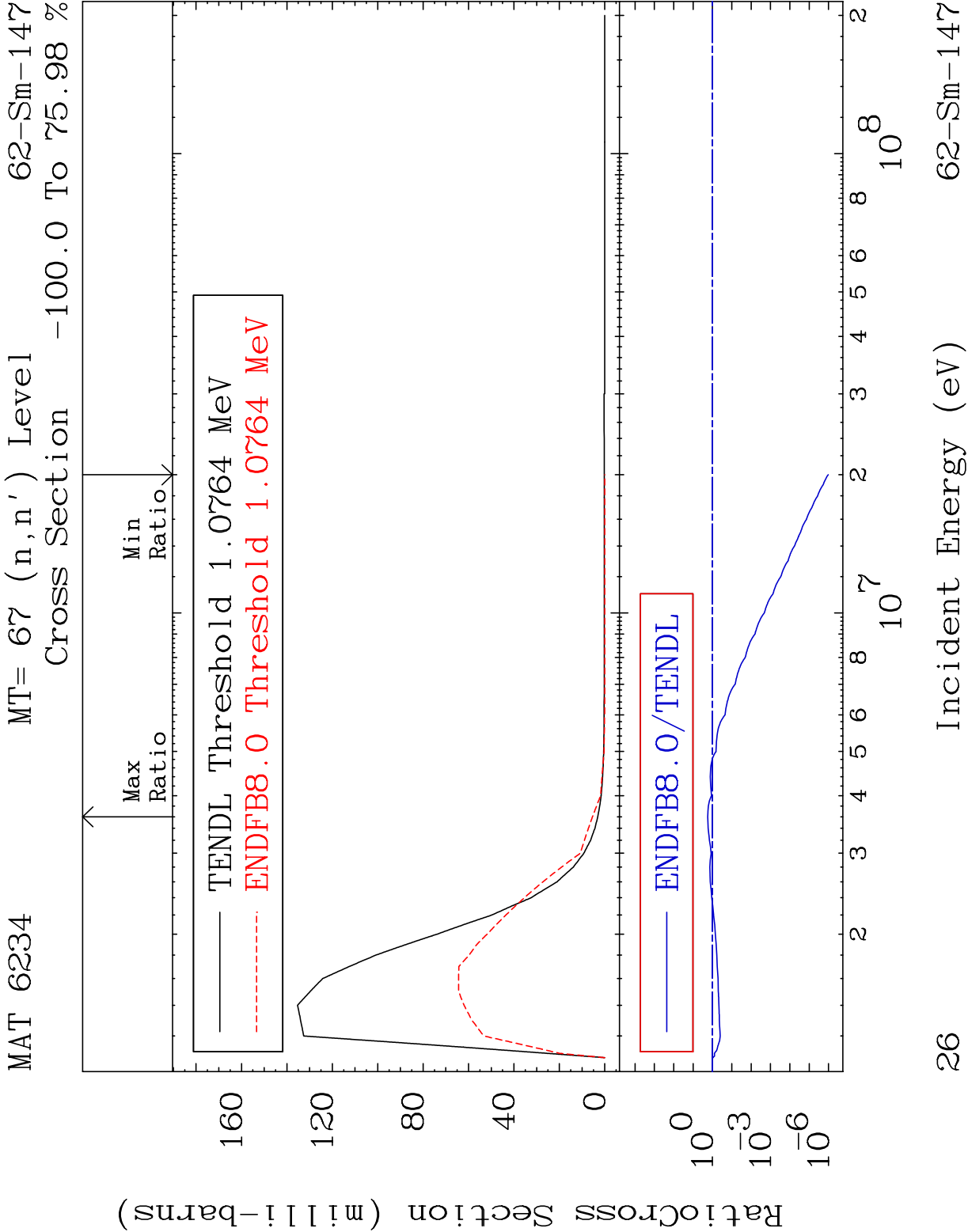
MAT 6234      MT= 65 (n,n') Level      62-Sm-147  
Cross Section    -100.0 To 183.9 %

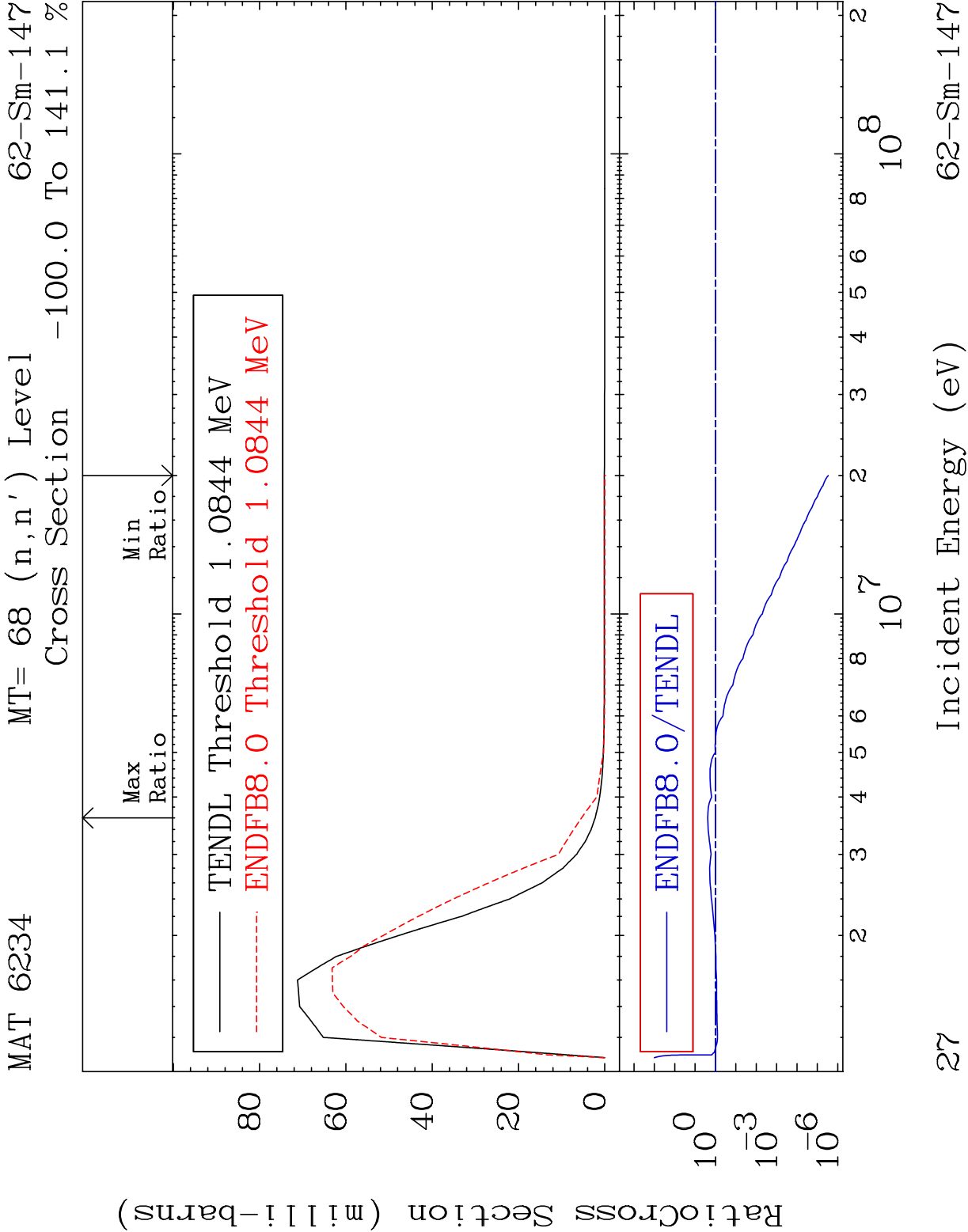


24      Incident Energy (eV)      62-Sm-147

MAT 6234      MT= 66 (n,n') Level      62-Sm-147  
Cross Section    -100.0 To 278.5 %



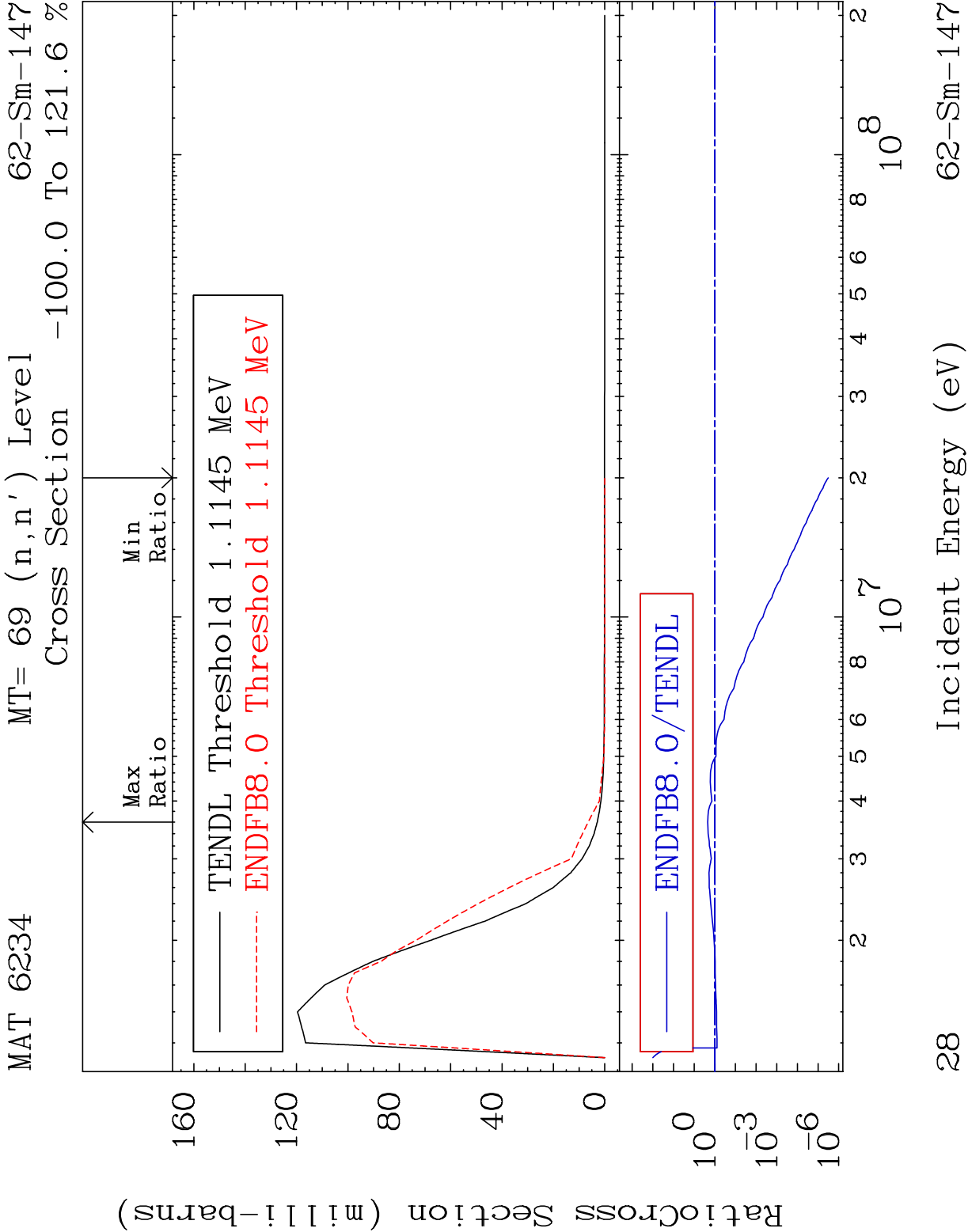


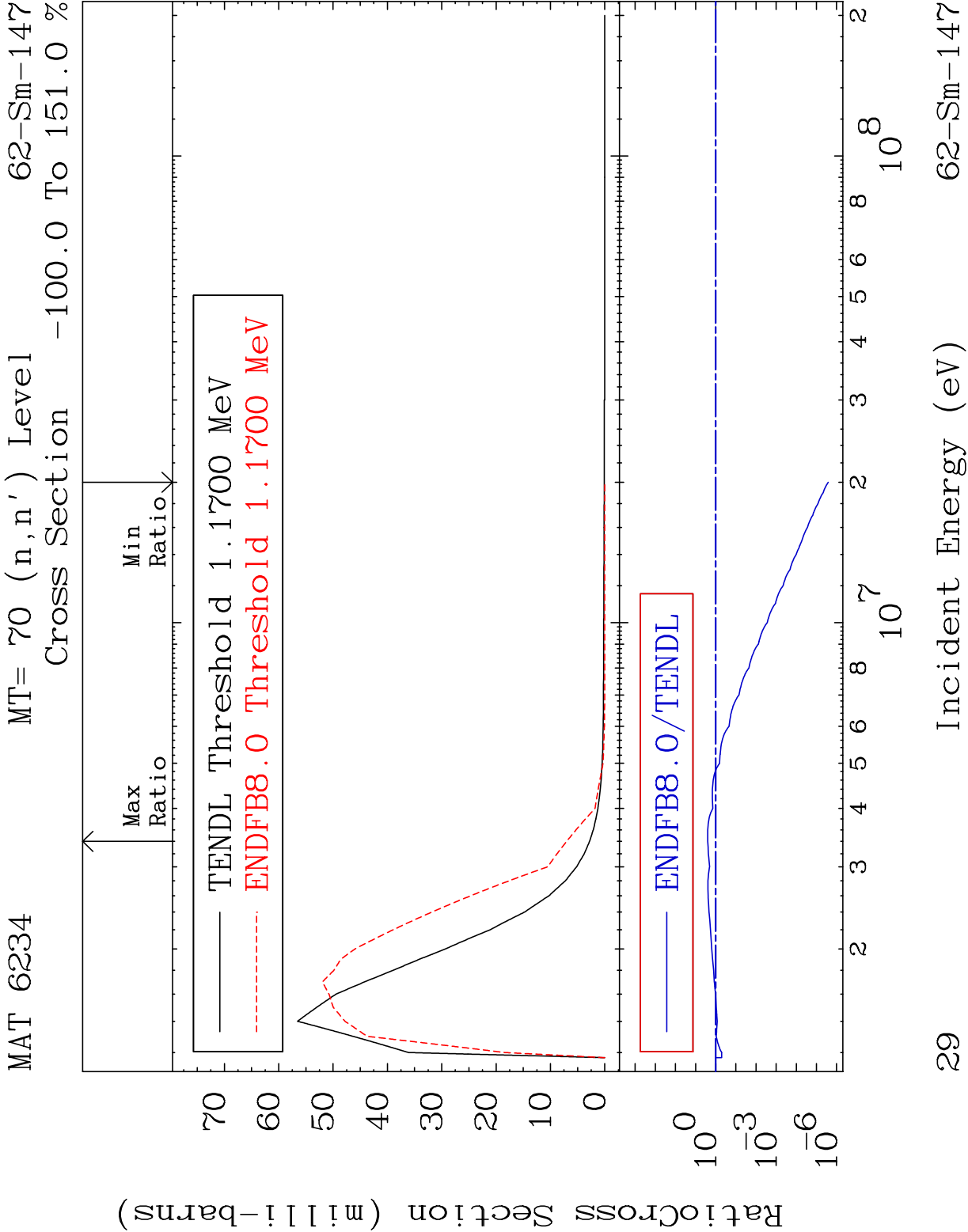


27

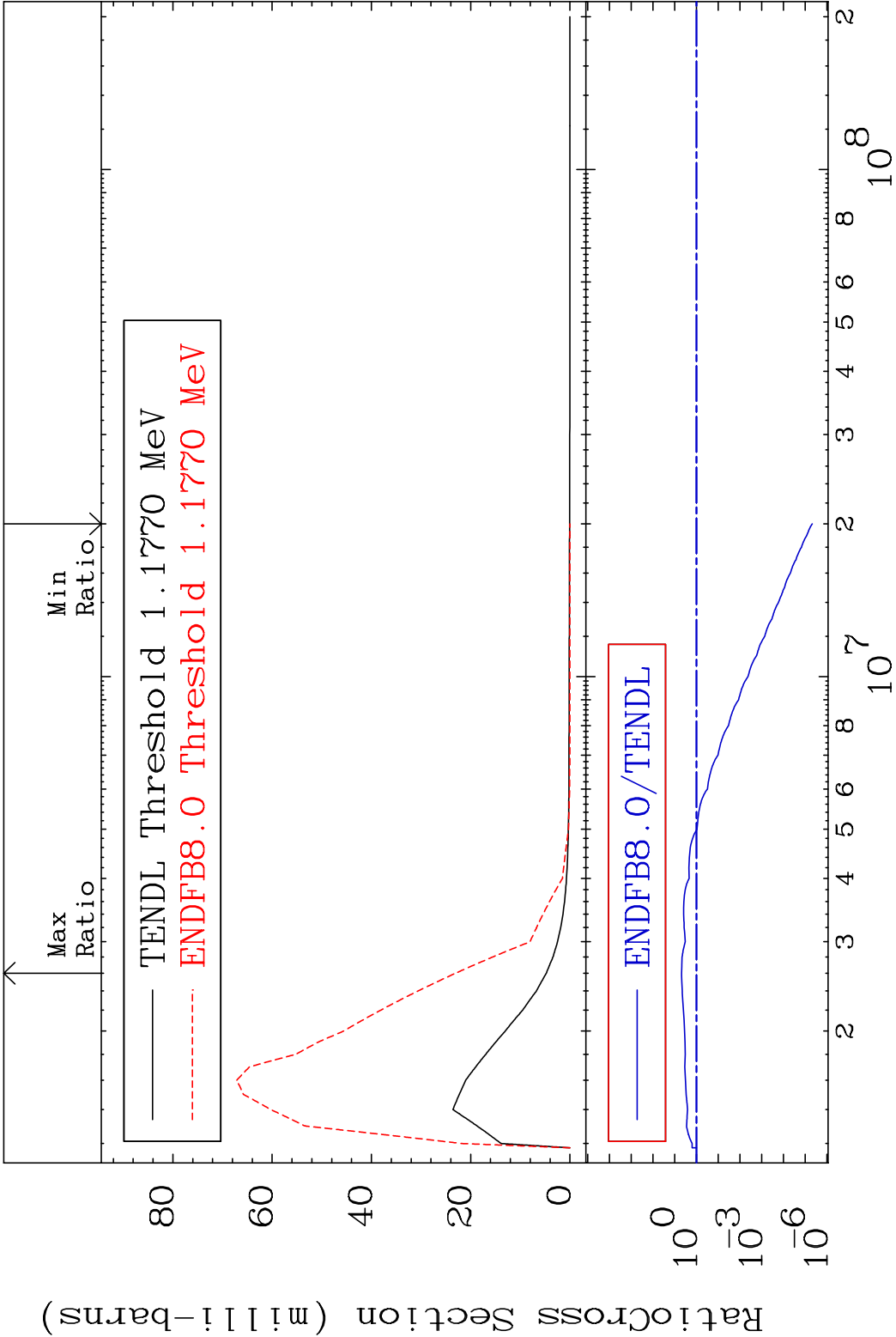
Incident Energy (eV)

62-Sm-147

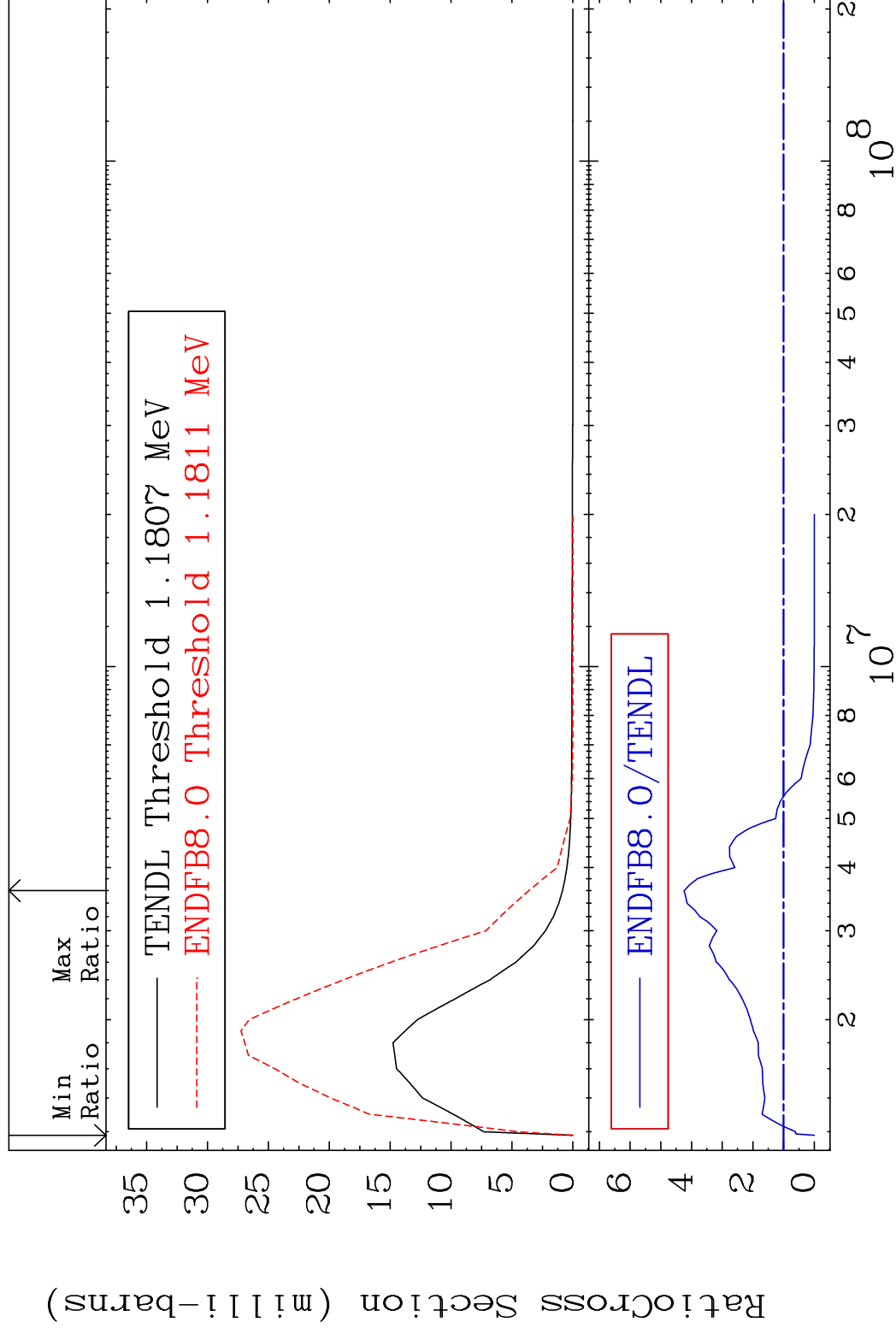




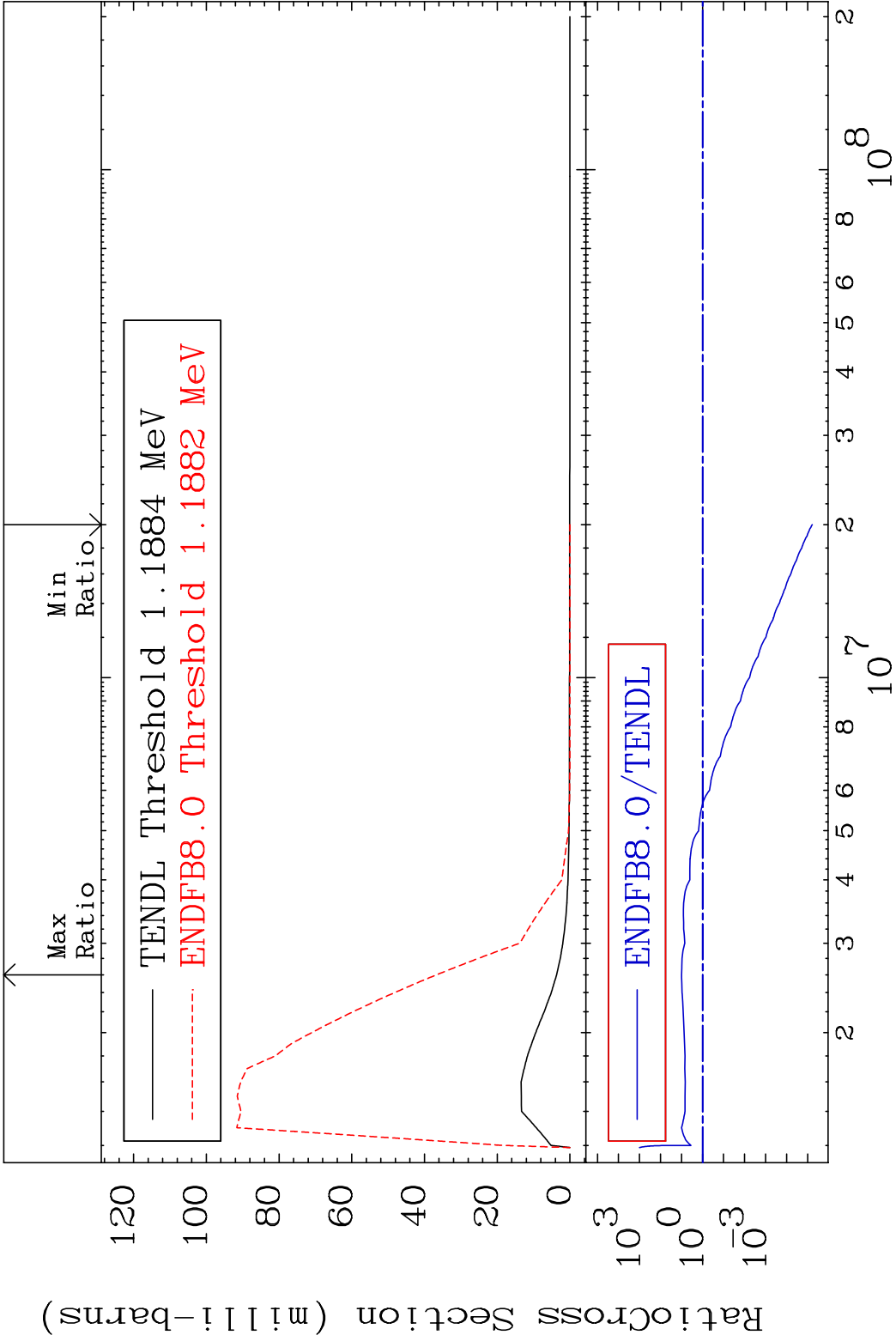
MAT 6234      MT= 71 (n,n') Level      62-Sm-147  
Cross Section    -100.0 To 383.4 %

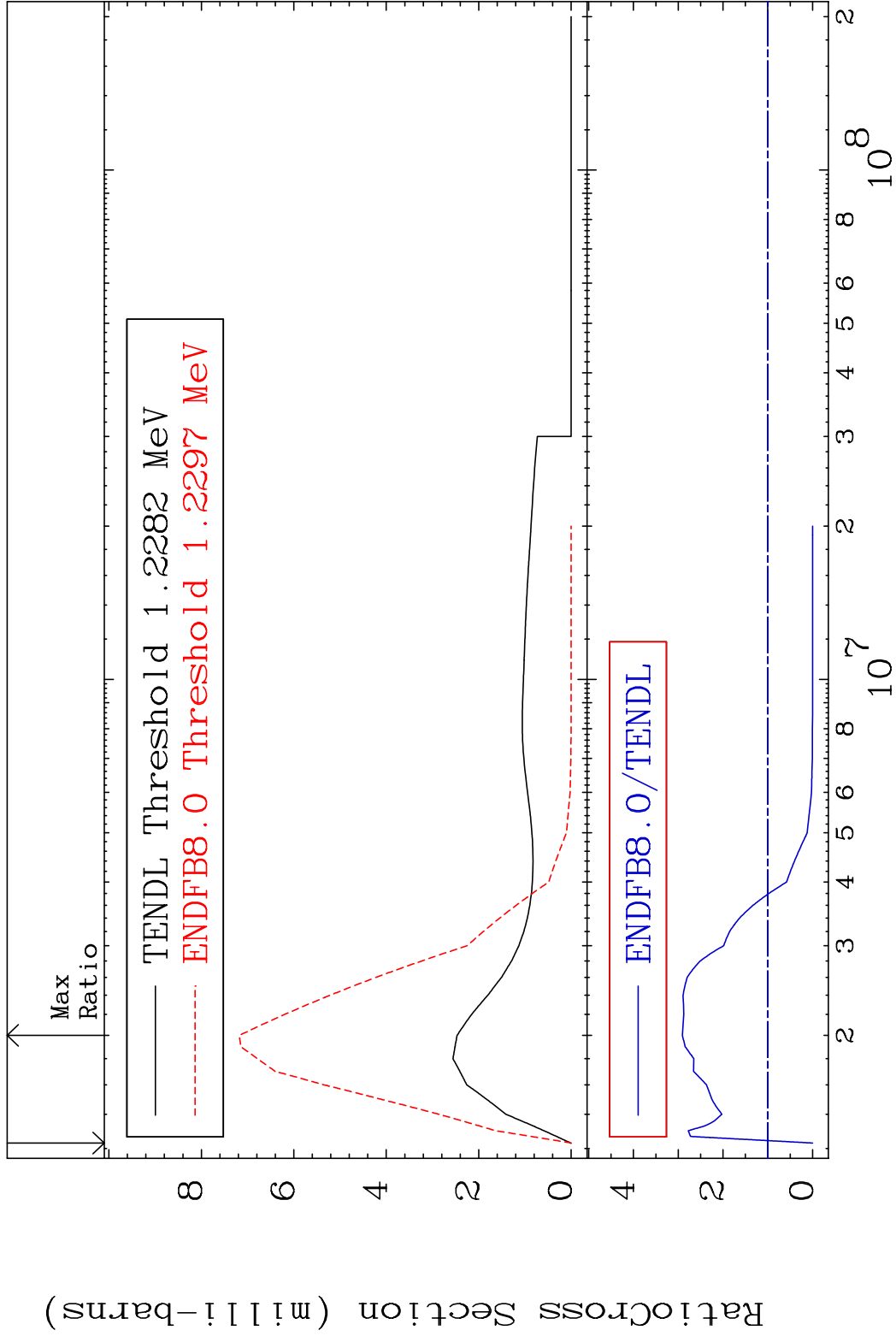


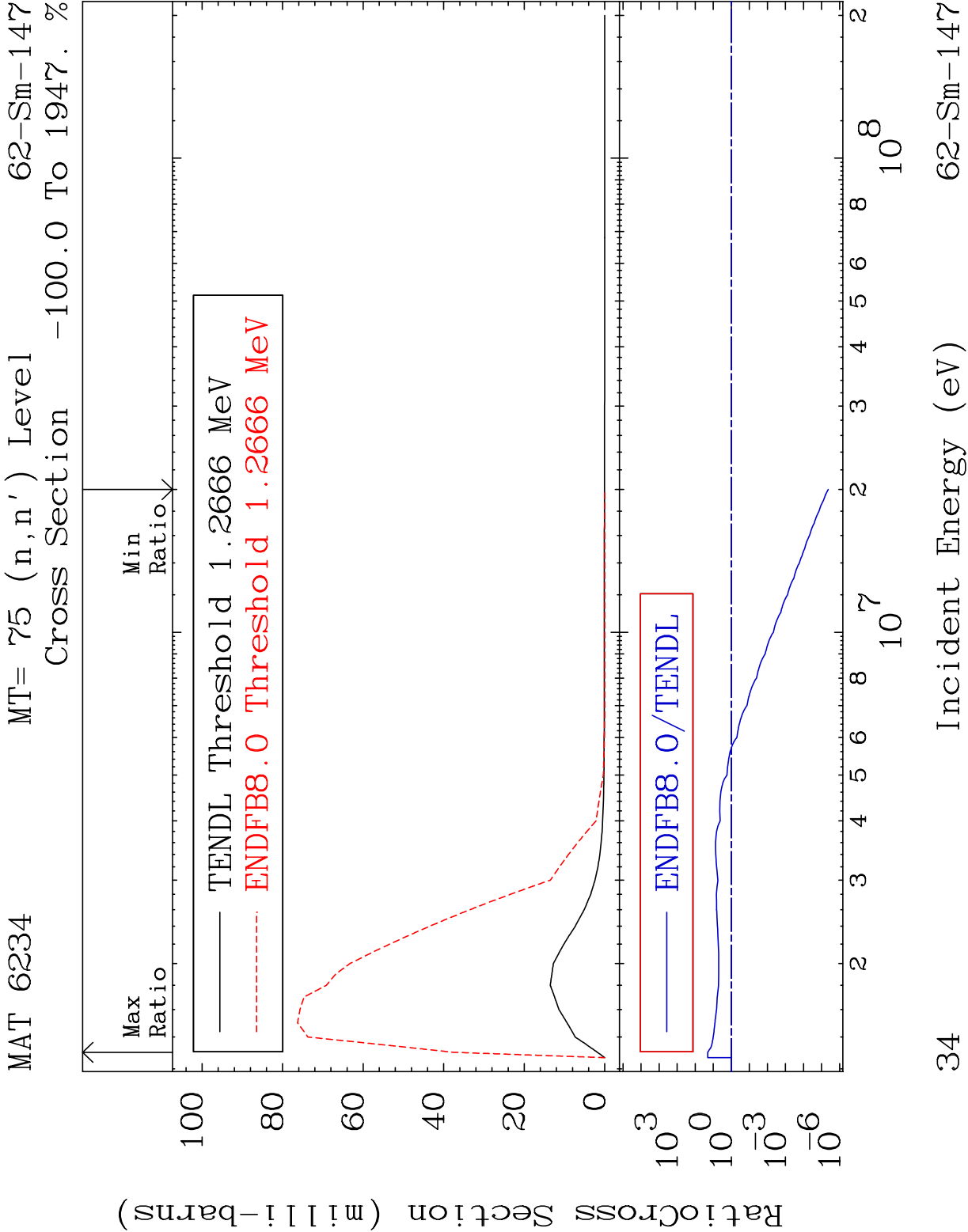
Cross Section  $-100.0$  To  $324.3$  %

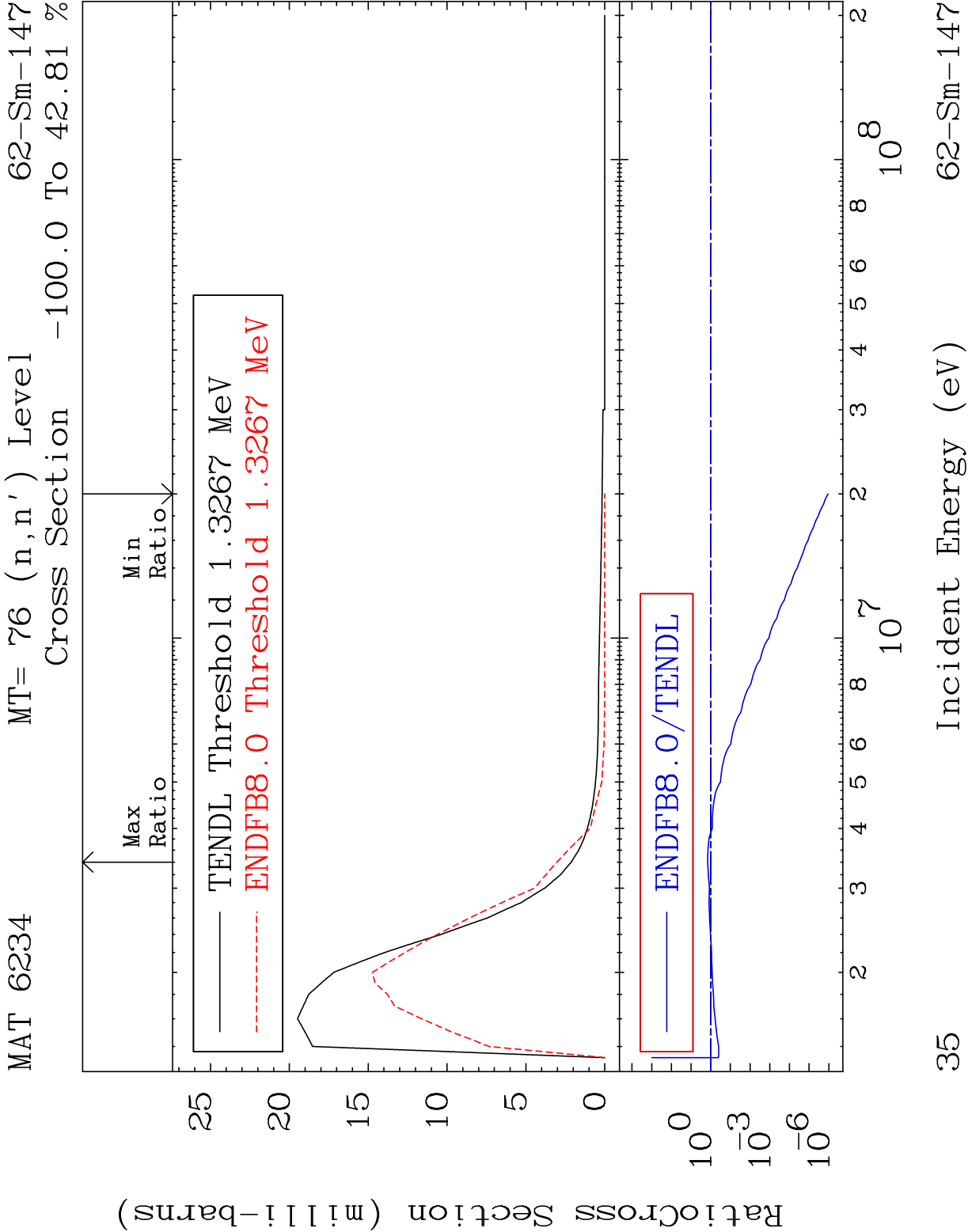


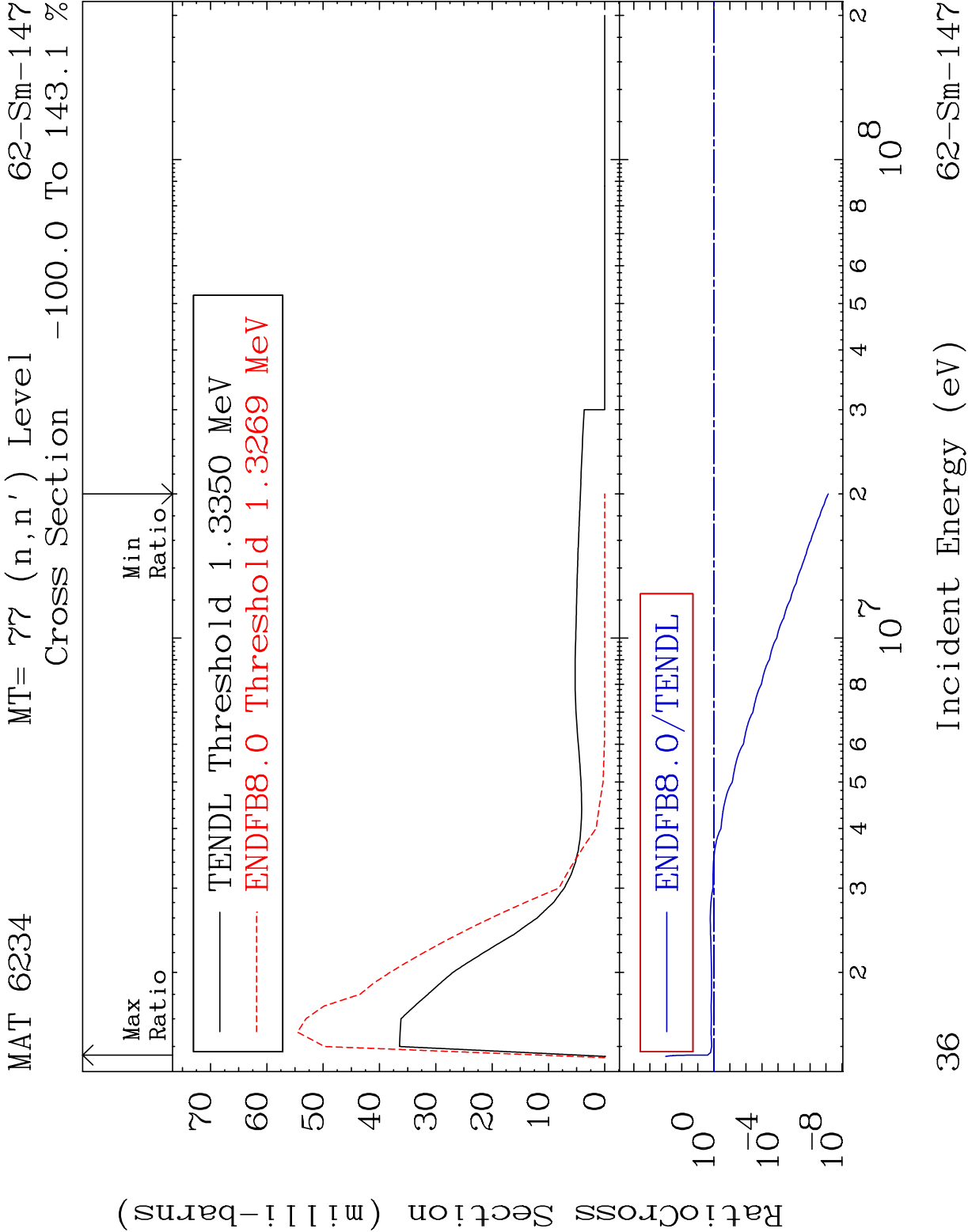


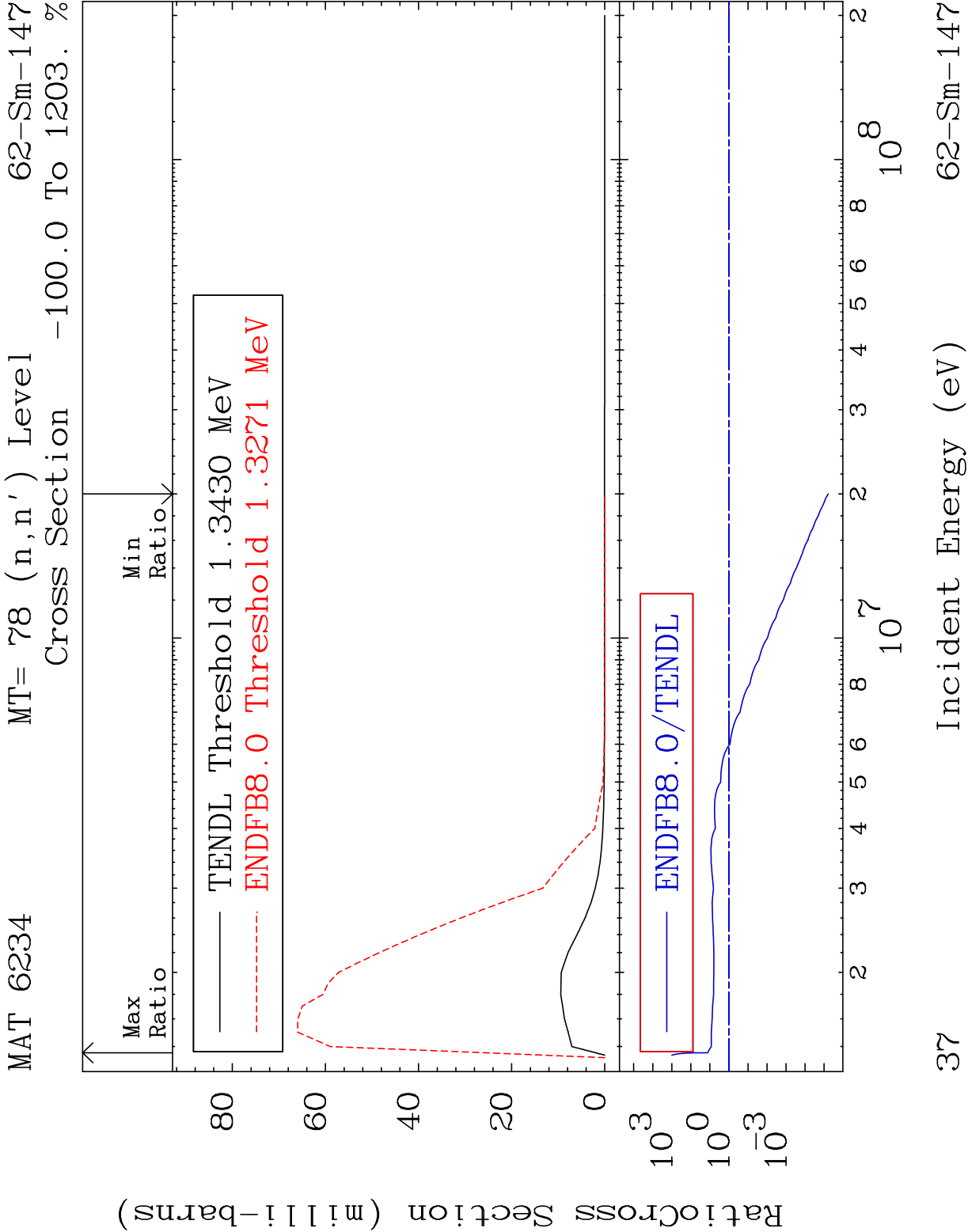




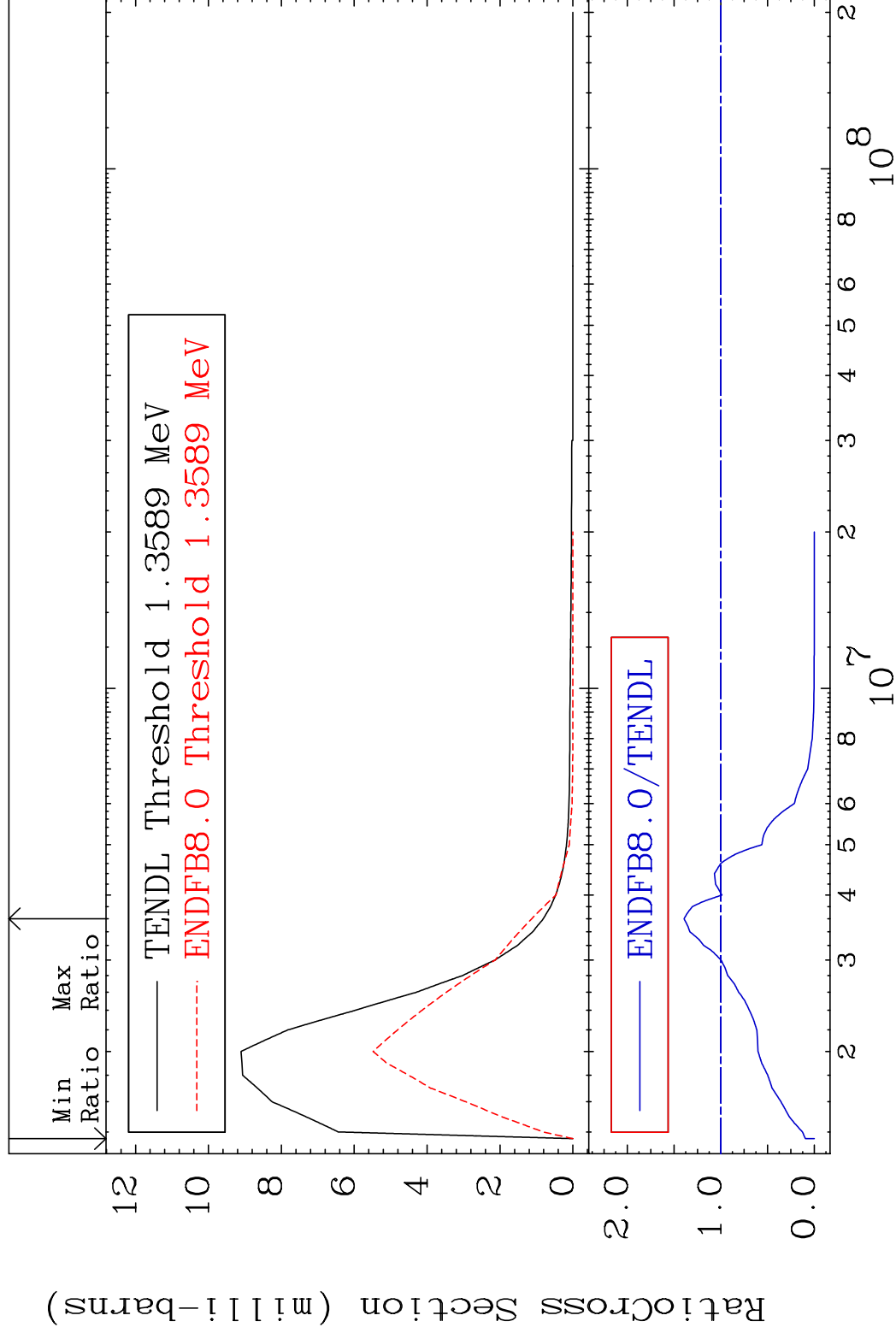


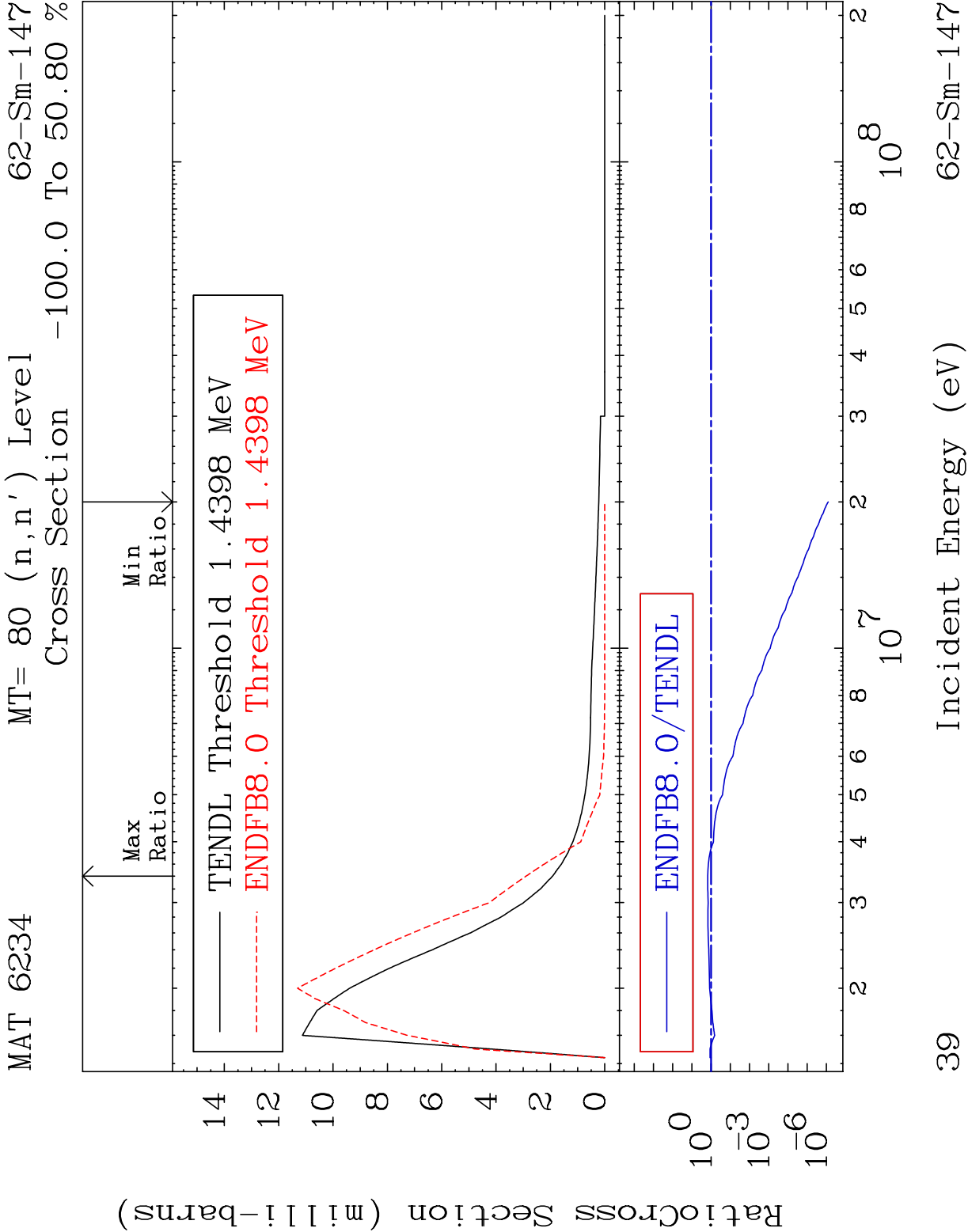




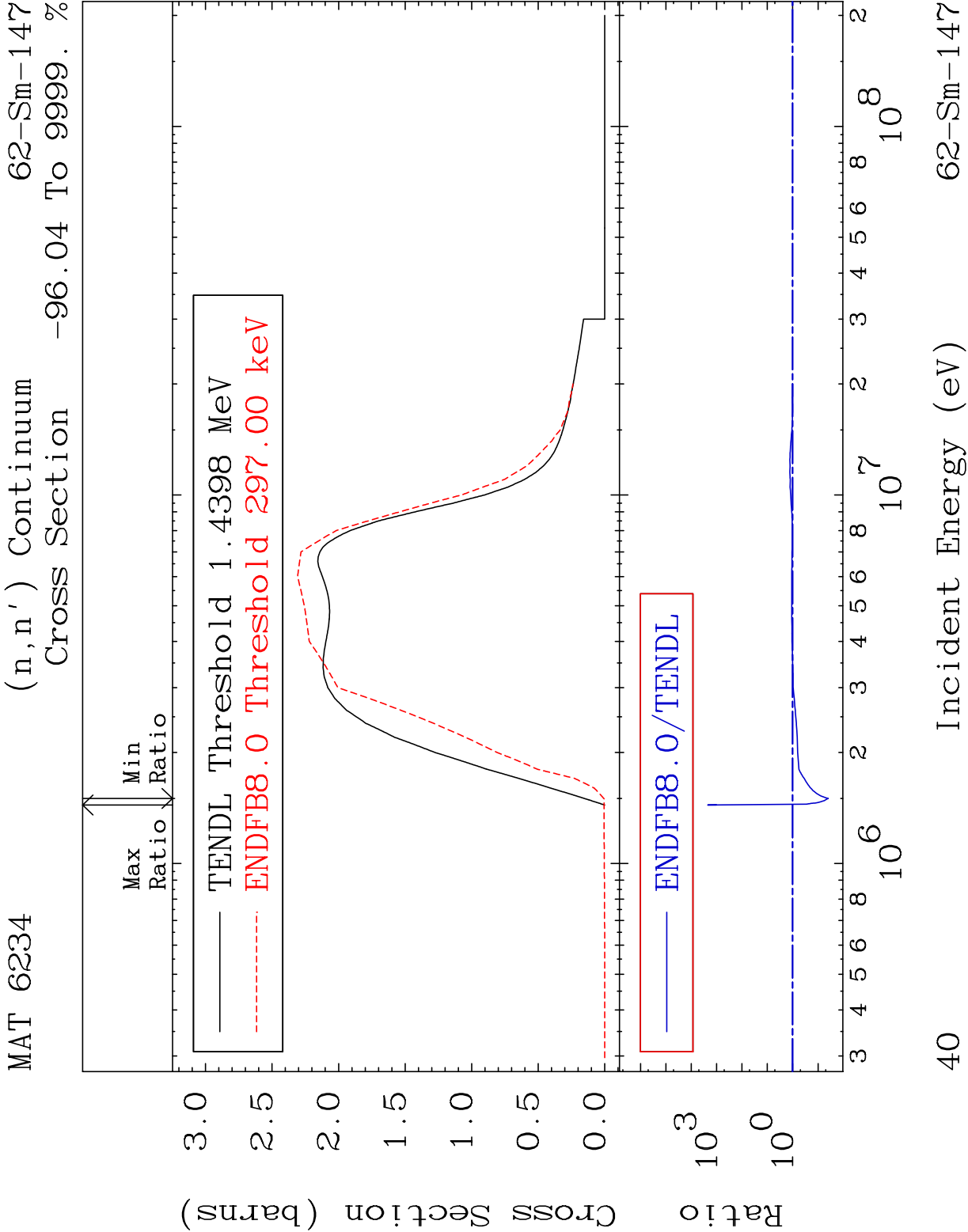


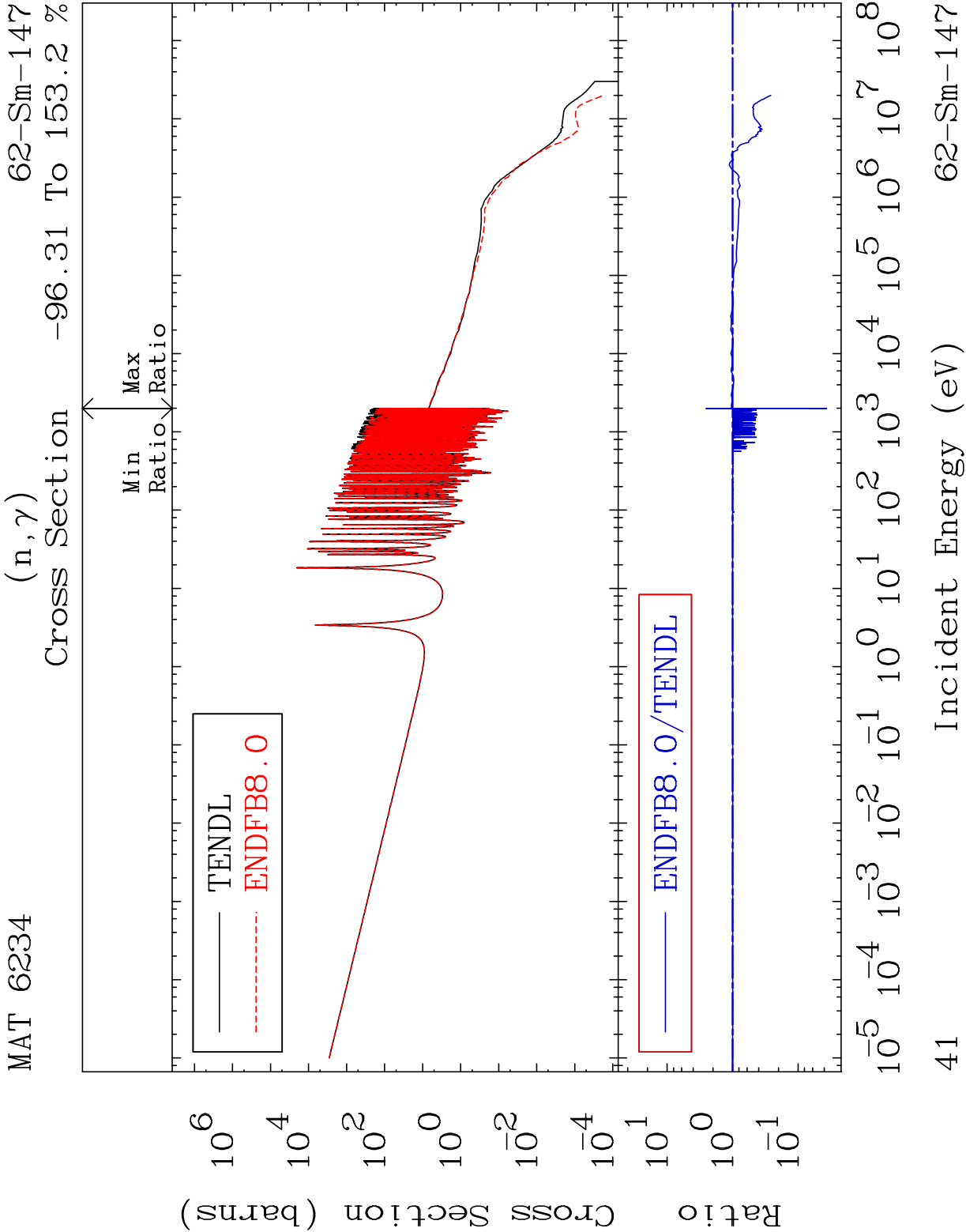
|          |                      |                   |
|----------|----------------------|-------------------|
| MAT 6234 | MT= 79 (n, n') Level | 62-Sm-147         |
|          | Cross Section        | -100.0 To 39.31 % |









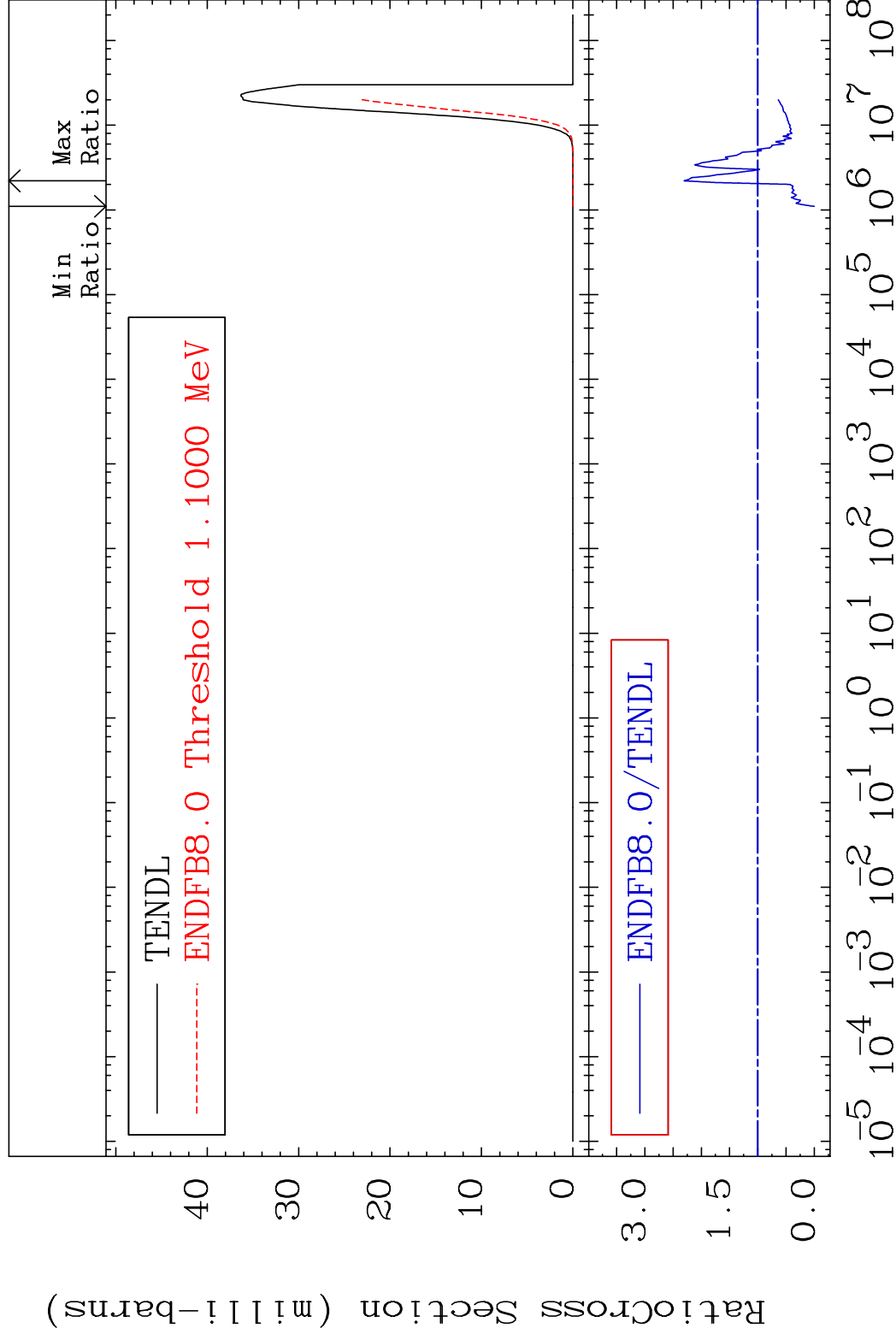


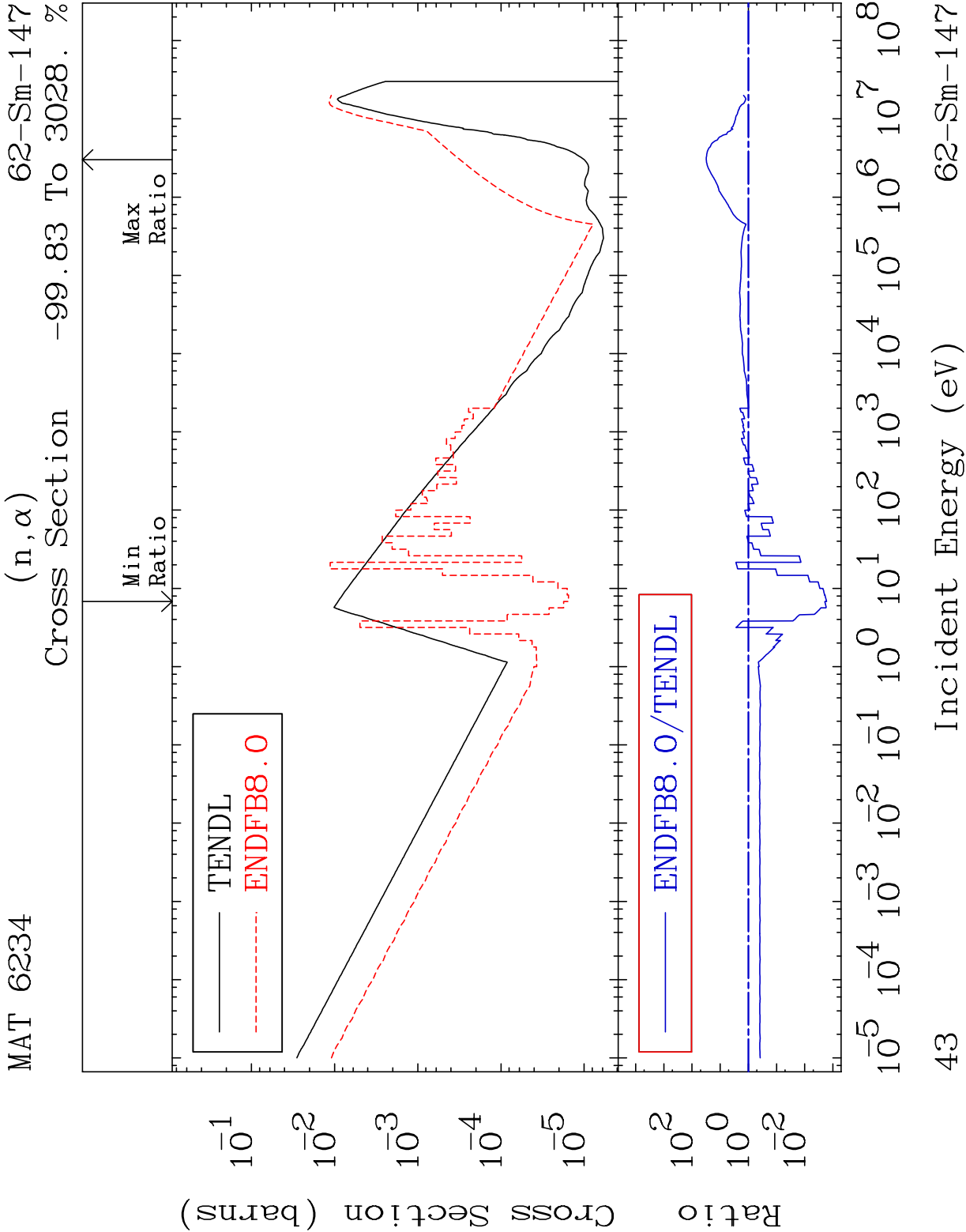
MAT 6234

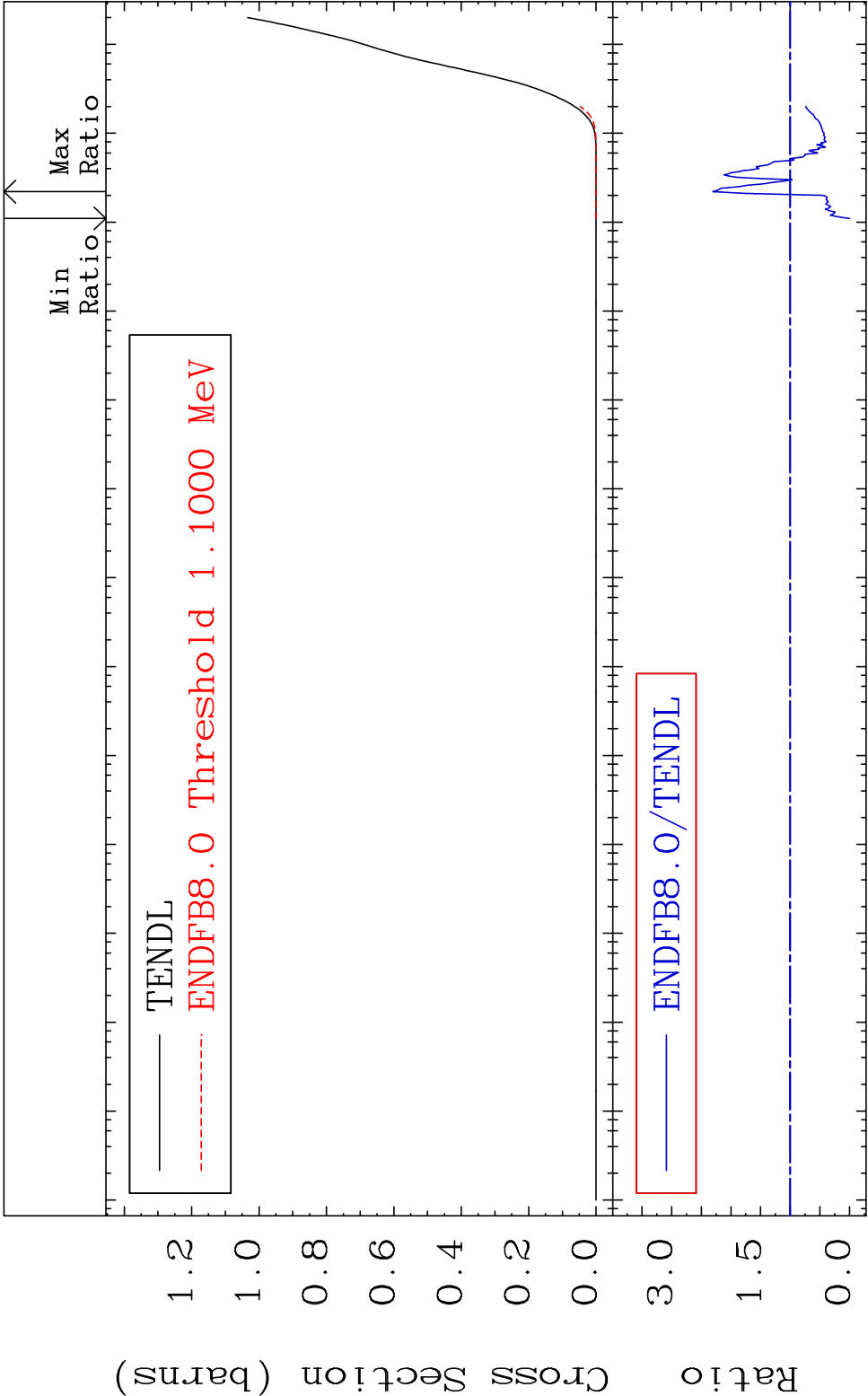
$$(n, p)$$

62-Sm-147

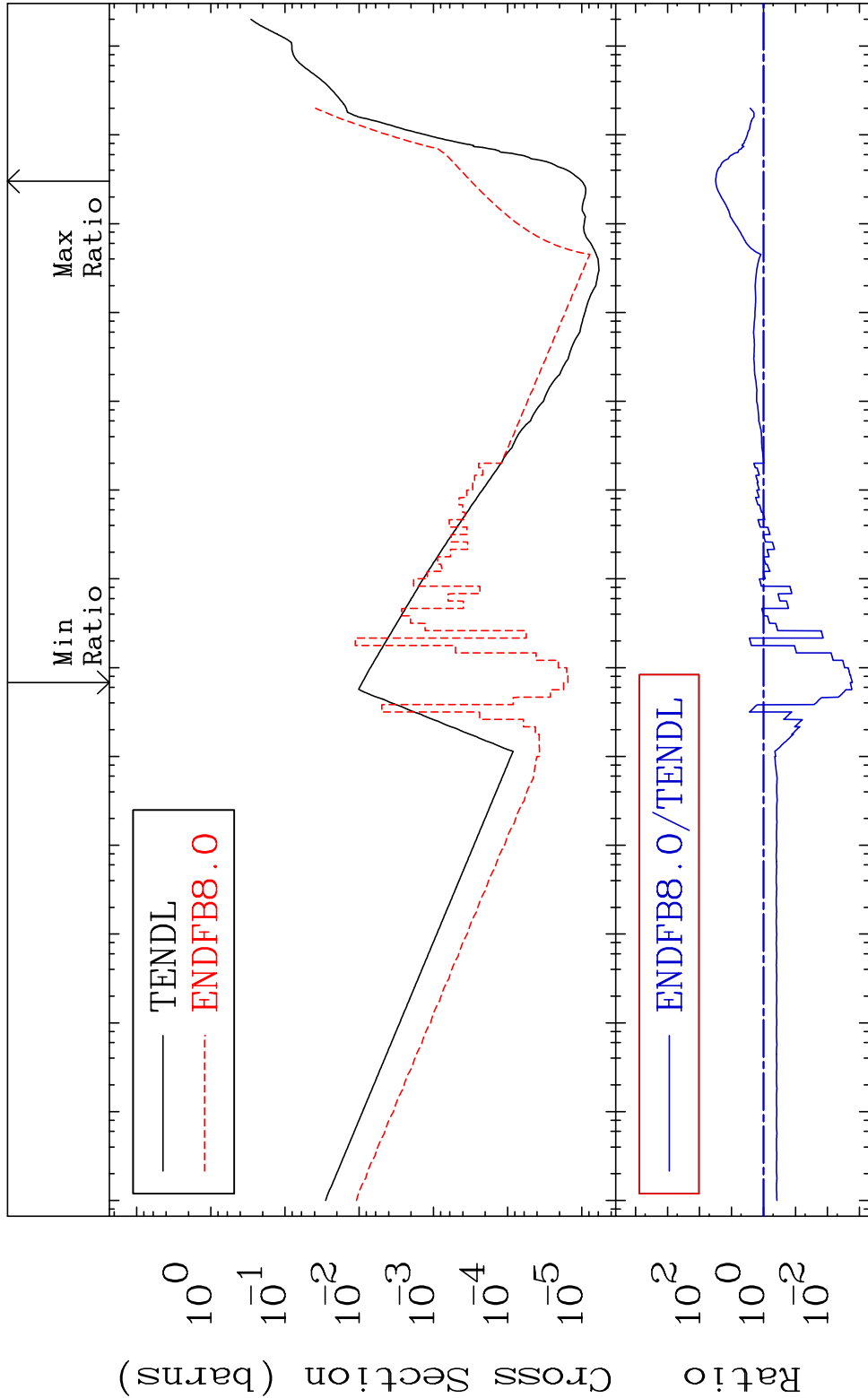
Cross Section





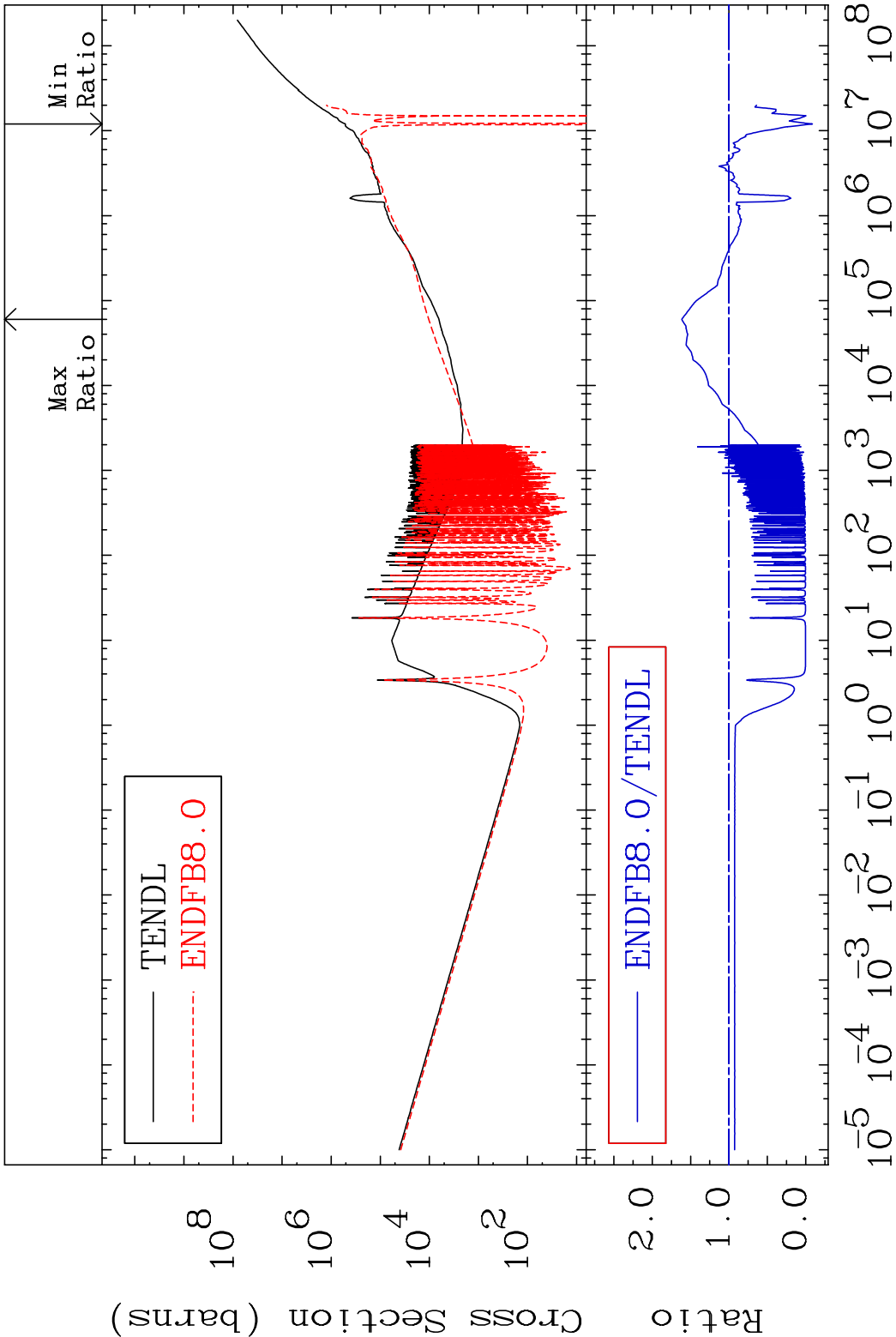


MAT 6234      He-4 Production      62-Sm-147  
Cross Section      -99.83 To 3028. %



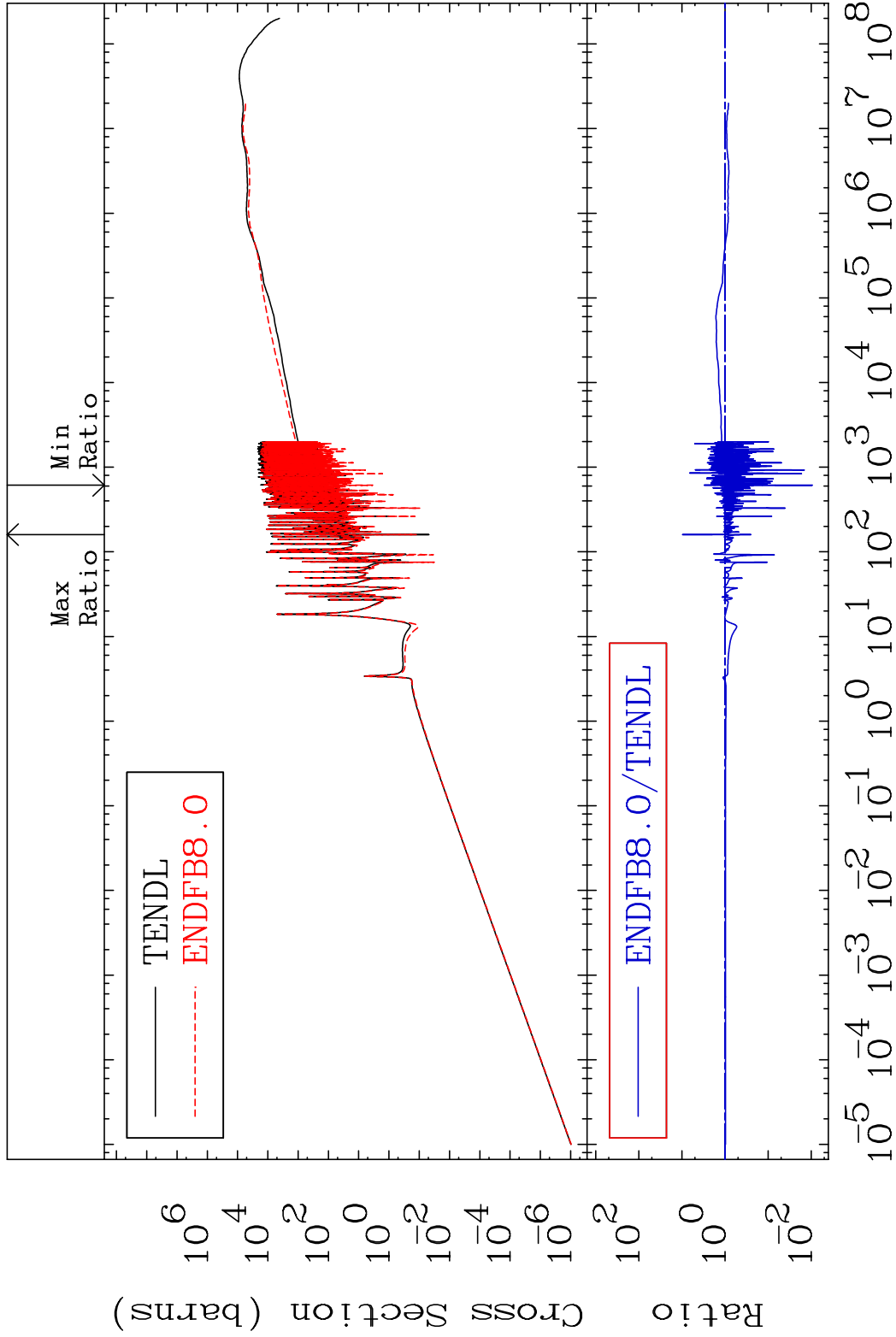
45      Incident Energy (eV)      62-Sm-147

MAT 6234      Kerma total (eV-barns)      62-Sm-147  
Cross Section      -108.7 To 61.56 %



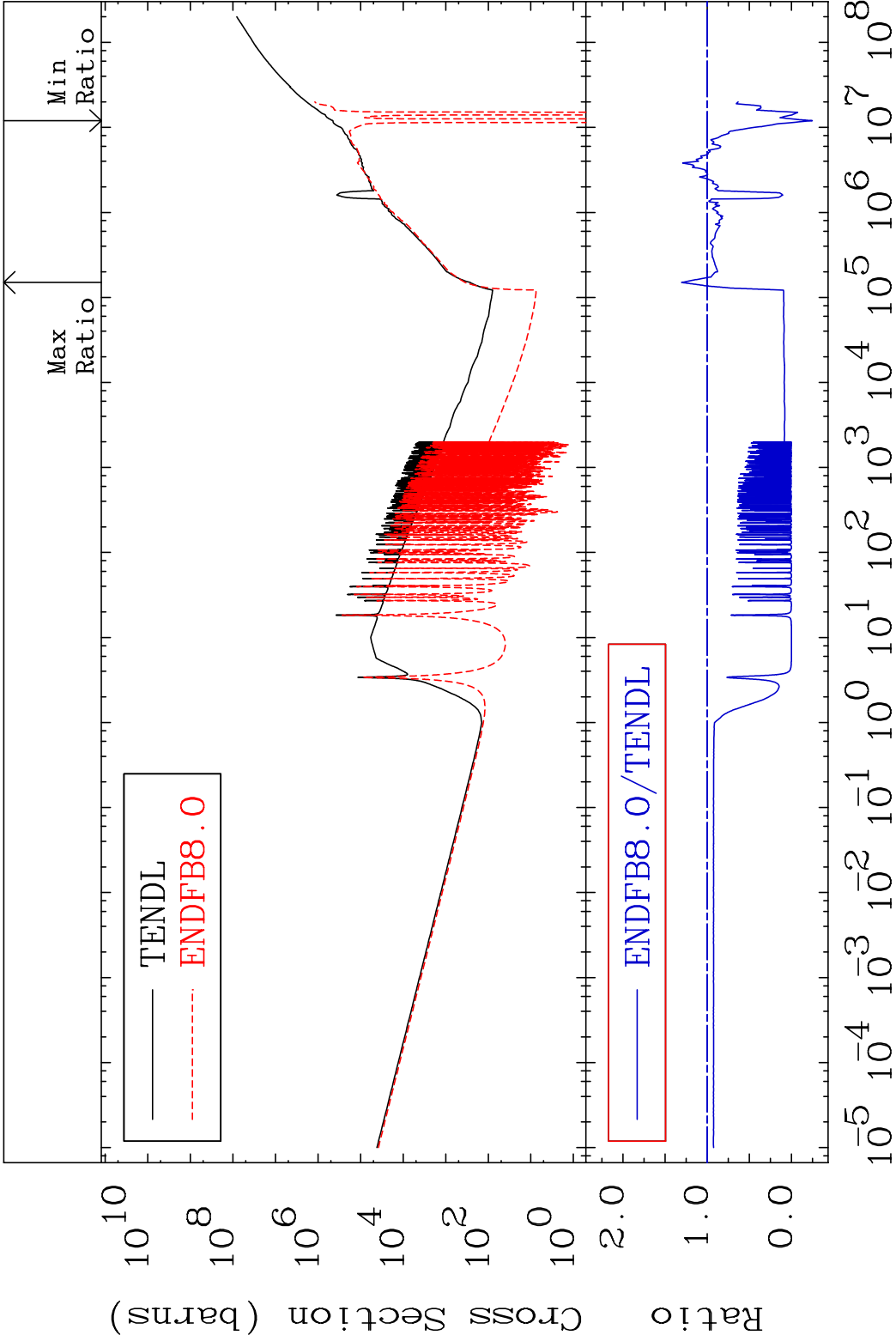
46      Incident Energy (eV)      62-Sm-147

MAT 6234      Kerma elastic      62-Sm-147  
Cross Section      -99.07 To 880.9 %

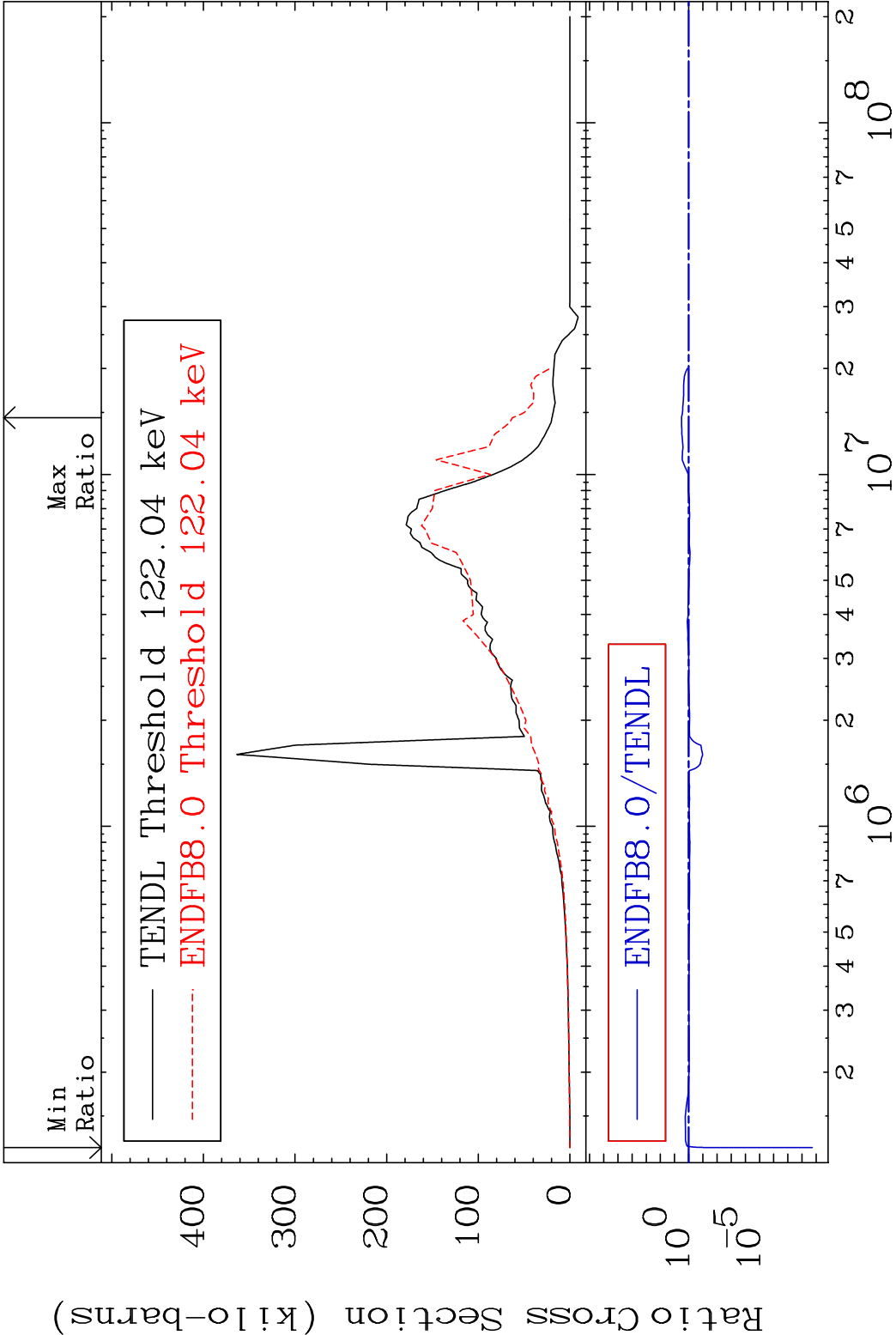




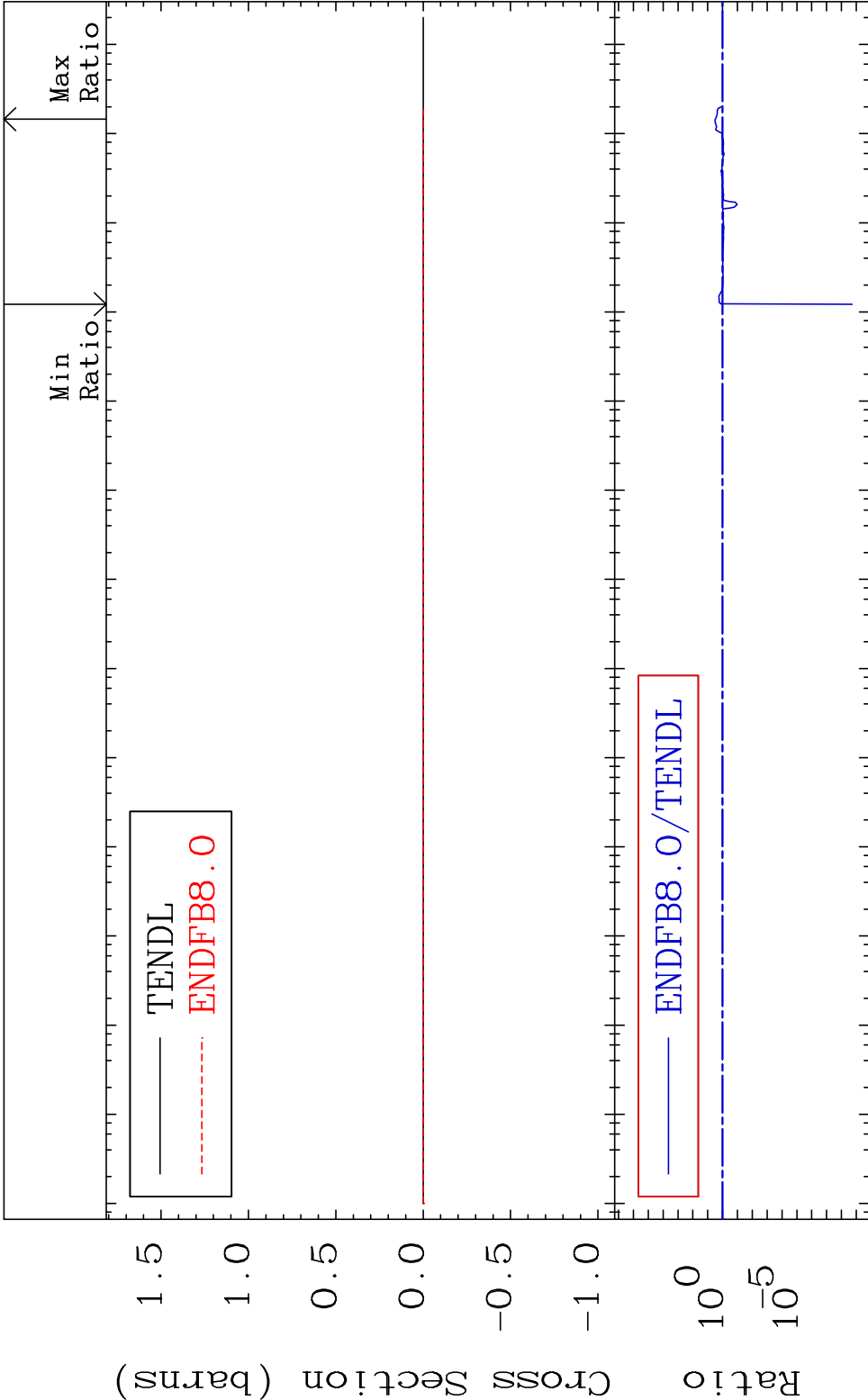
MAT 6234    Kerma non-elastic (all but mt2)    62-Sm-147  
Cross Section    -124.6 To 30.54 %

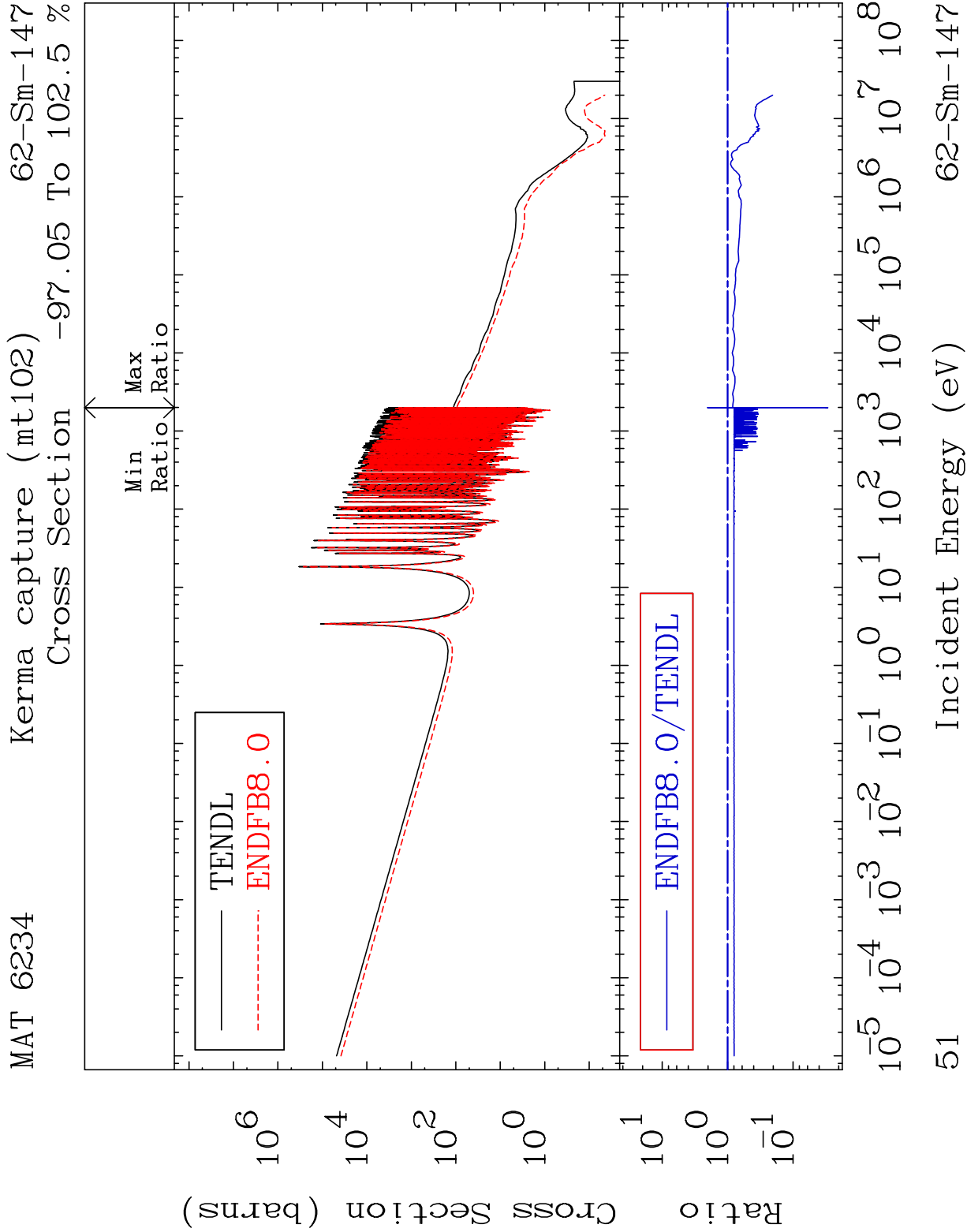


48    Incident Energy (eV)    62-Sm-147



MAT 6234 Kerma fission (mt18 or mt19-20-21-38)62-Sm-147  
Cross Section -100.0 To 220.6 %





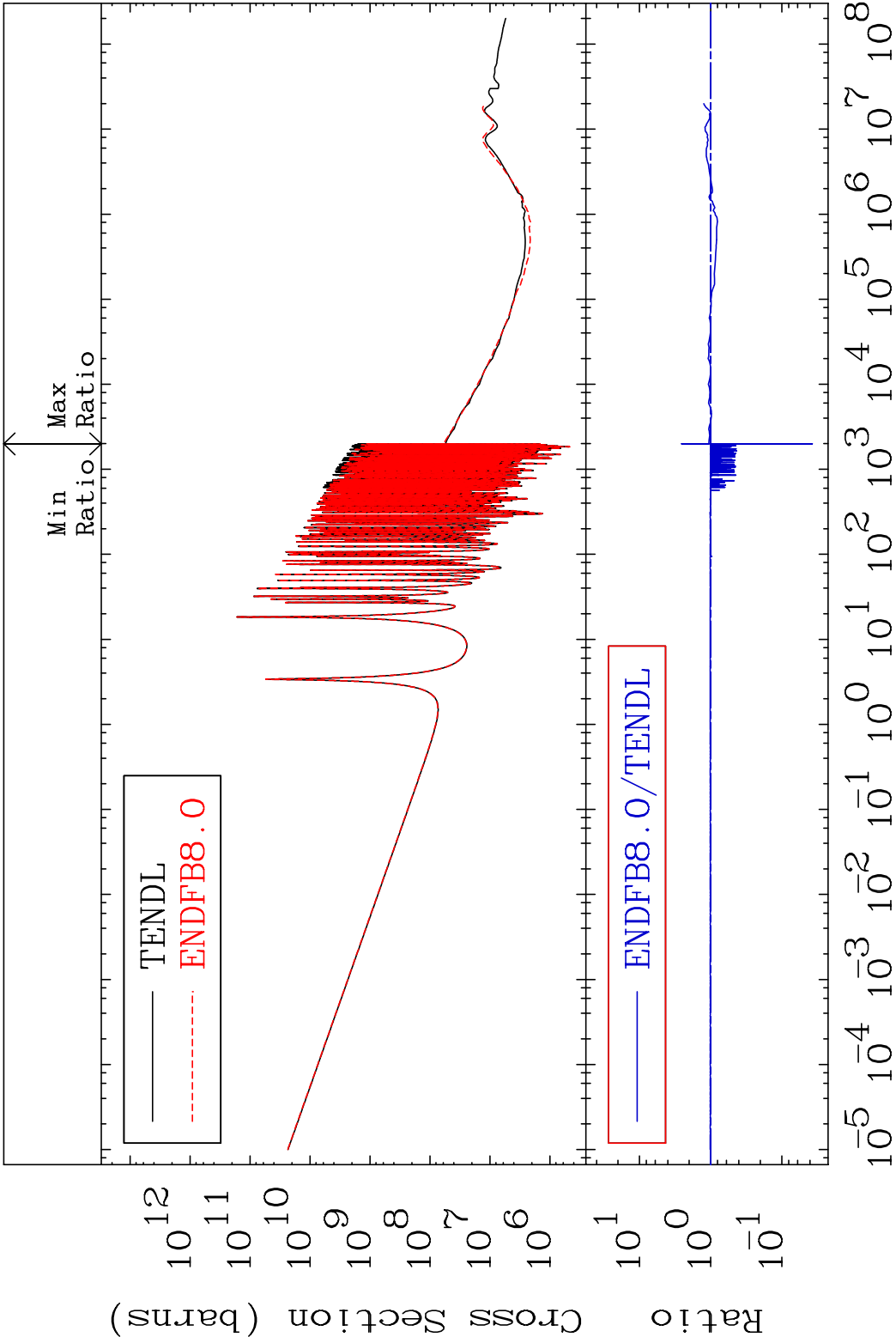
MAT 6234

Total photon (eV-barns)

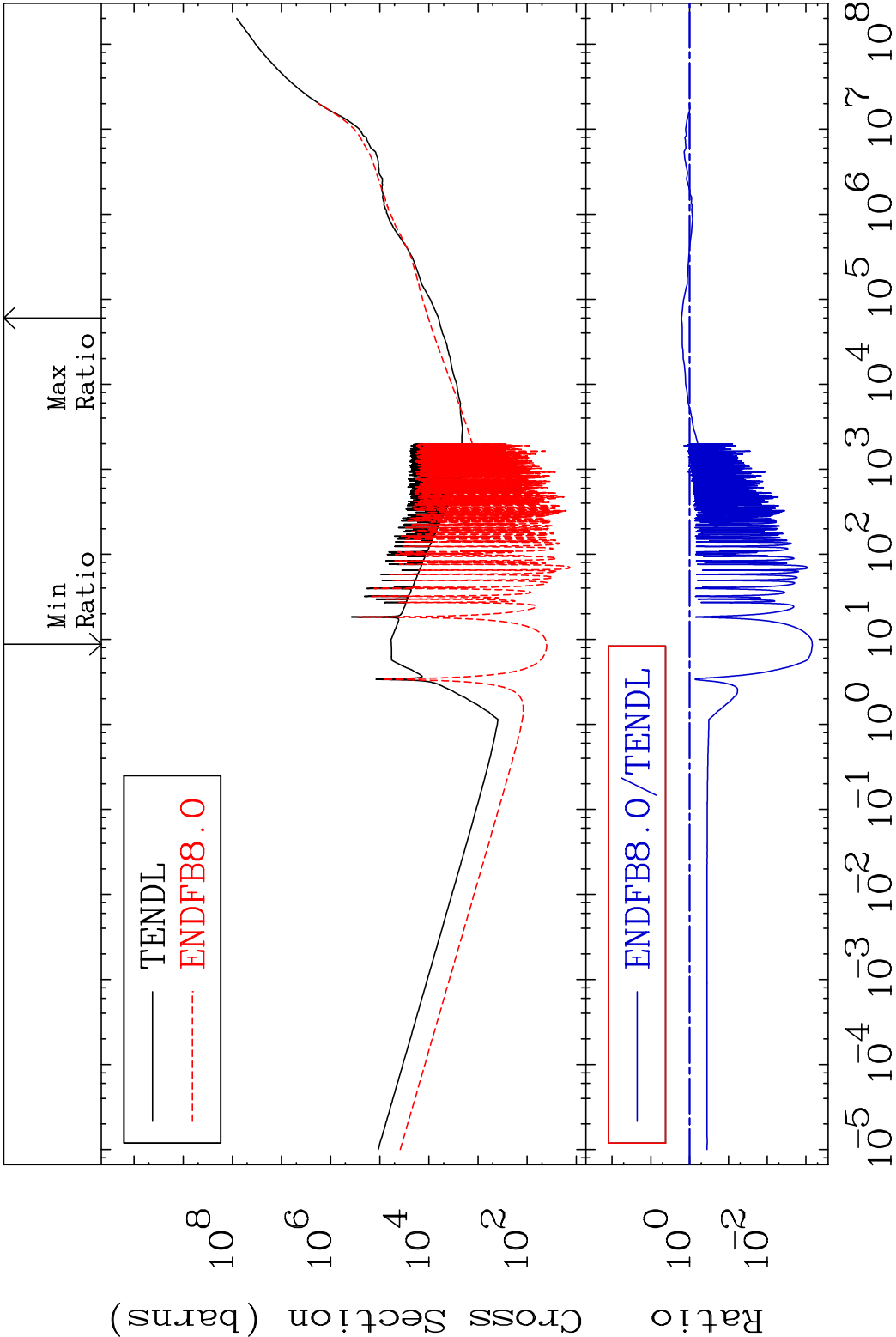
62-Sm-147

Cross Section

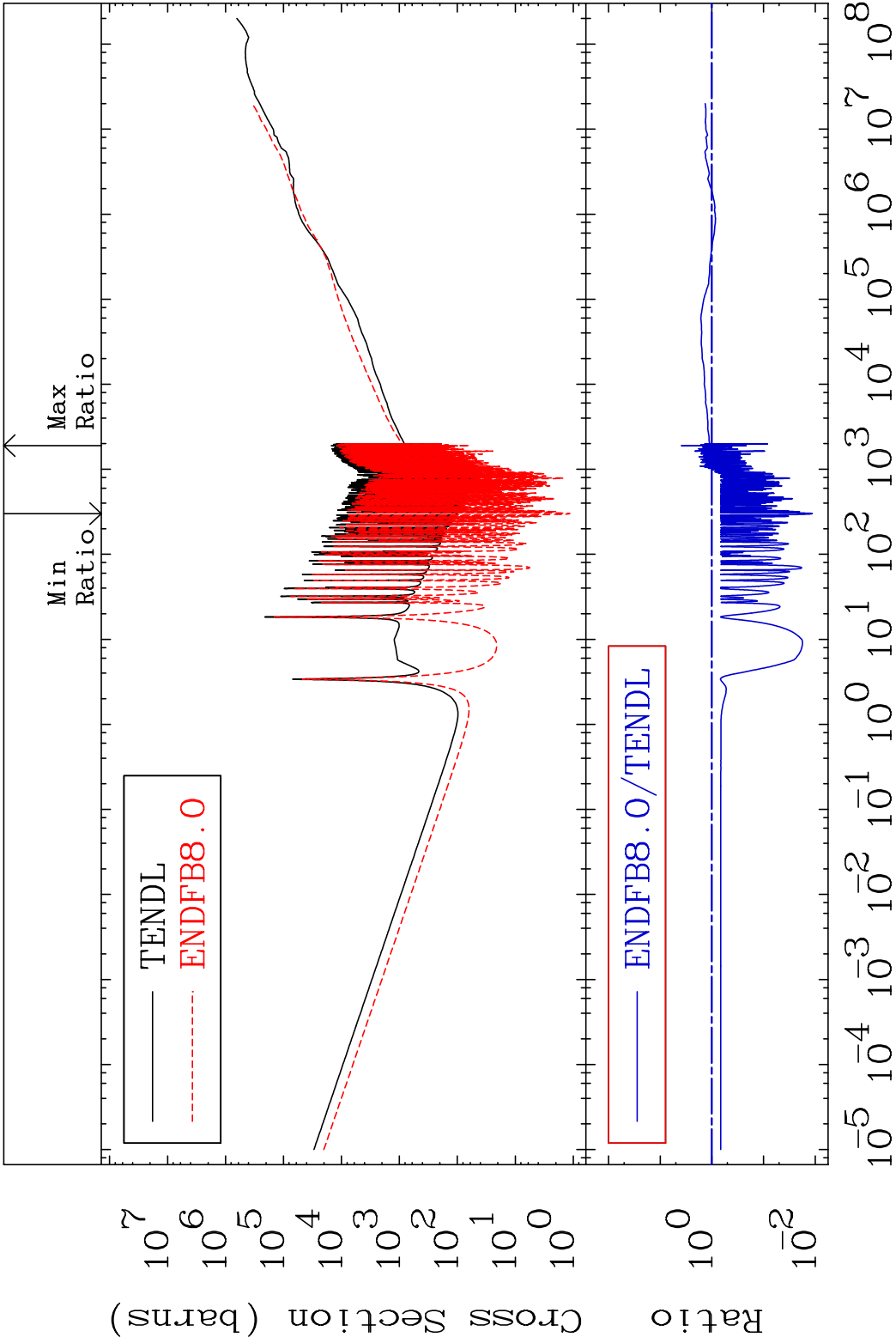
-96.27 To 155.9 %



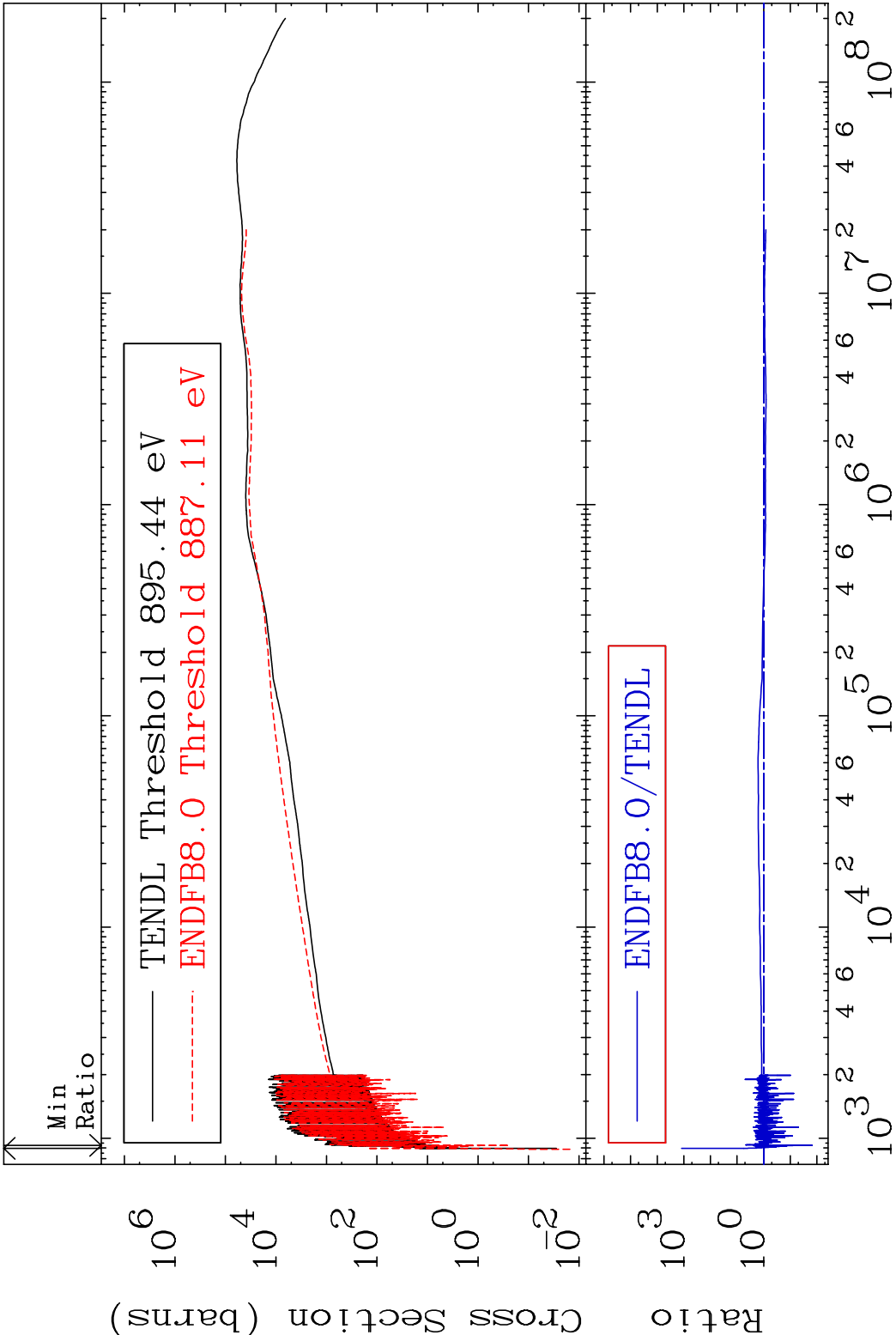
MAT 6234 Total kinematic kerma (high limit) 62-Sm-147  
Cross Section -99.93 To 61.55 %



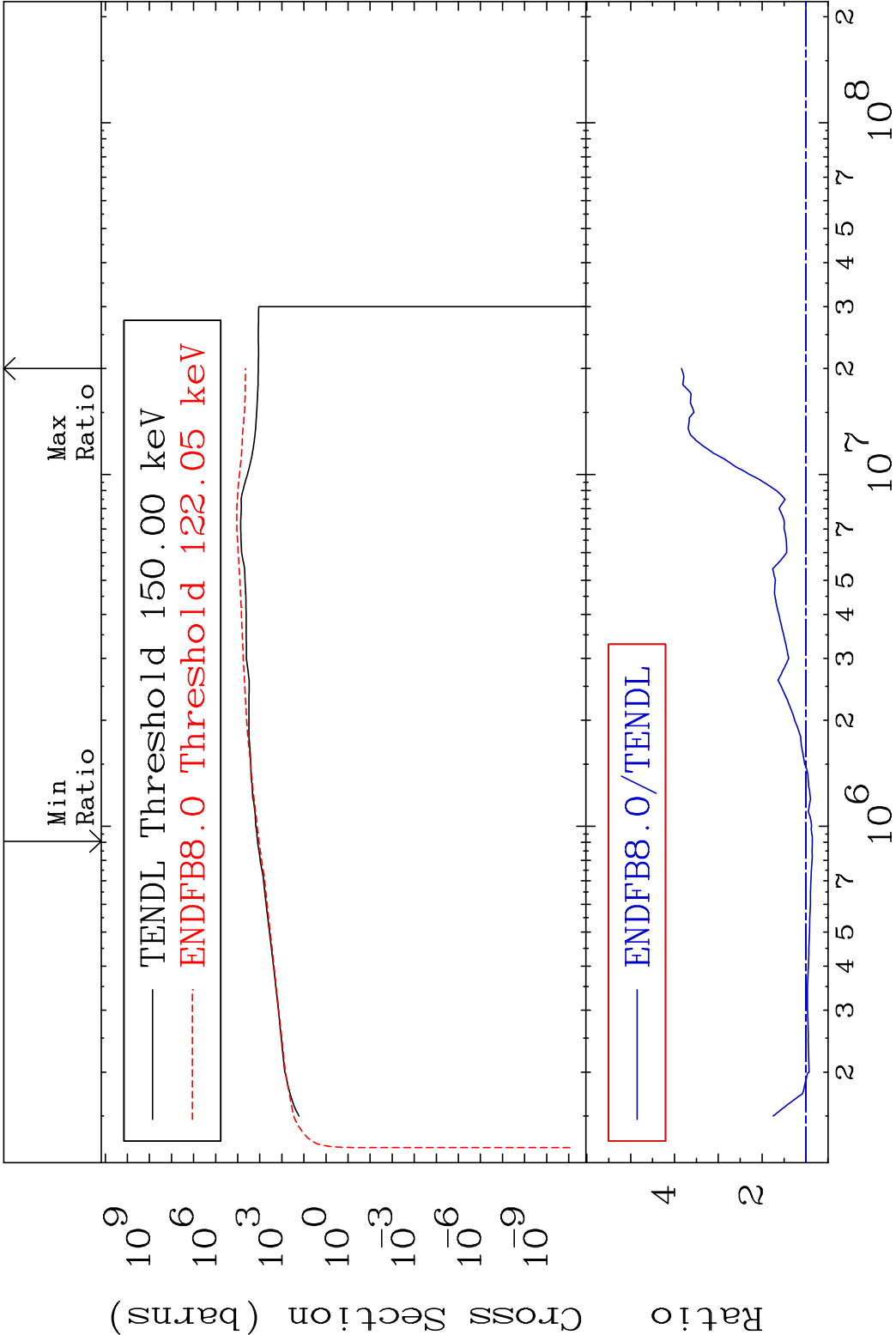
|          |                      |                   |
|----------|----------------------|-------------------|
| MAT 6234 | Dpa total (eV-barns) | 62-Sm-147         |
|          | Cross Section        | -98.86 To 286.7 % |



|          |                   |                   |
|----------|-------------------|-------------------|
| MAT 6234 | Dpa elastic (mt2) | 62-Sm-147         |
|          | Cross Section     | -98.50 To 9999. % |







MAT 6234    Dpa disappearance (mt102 -120)    62-Sm-147  
Cross Section    -98.86 To 939.6 %

