

Program Complot  
(Version 2021-1)

by

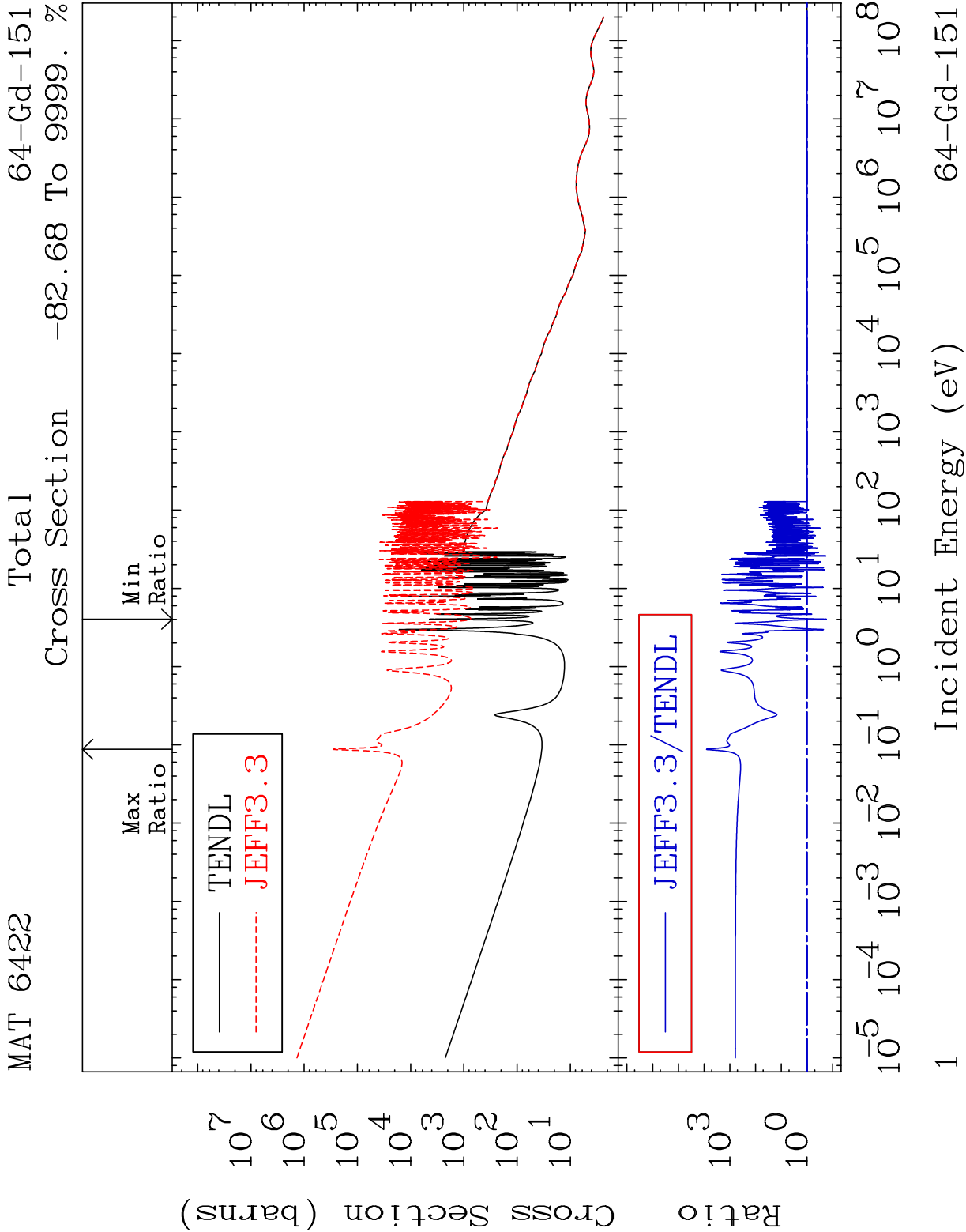
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Press Mouse Button to Start

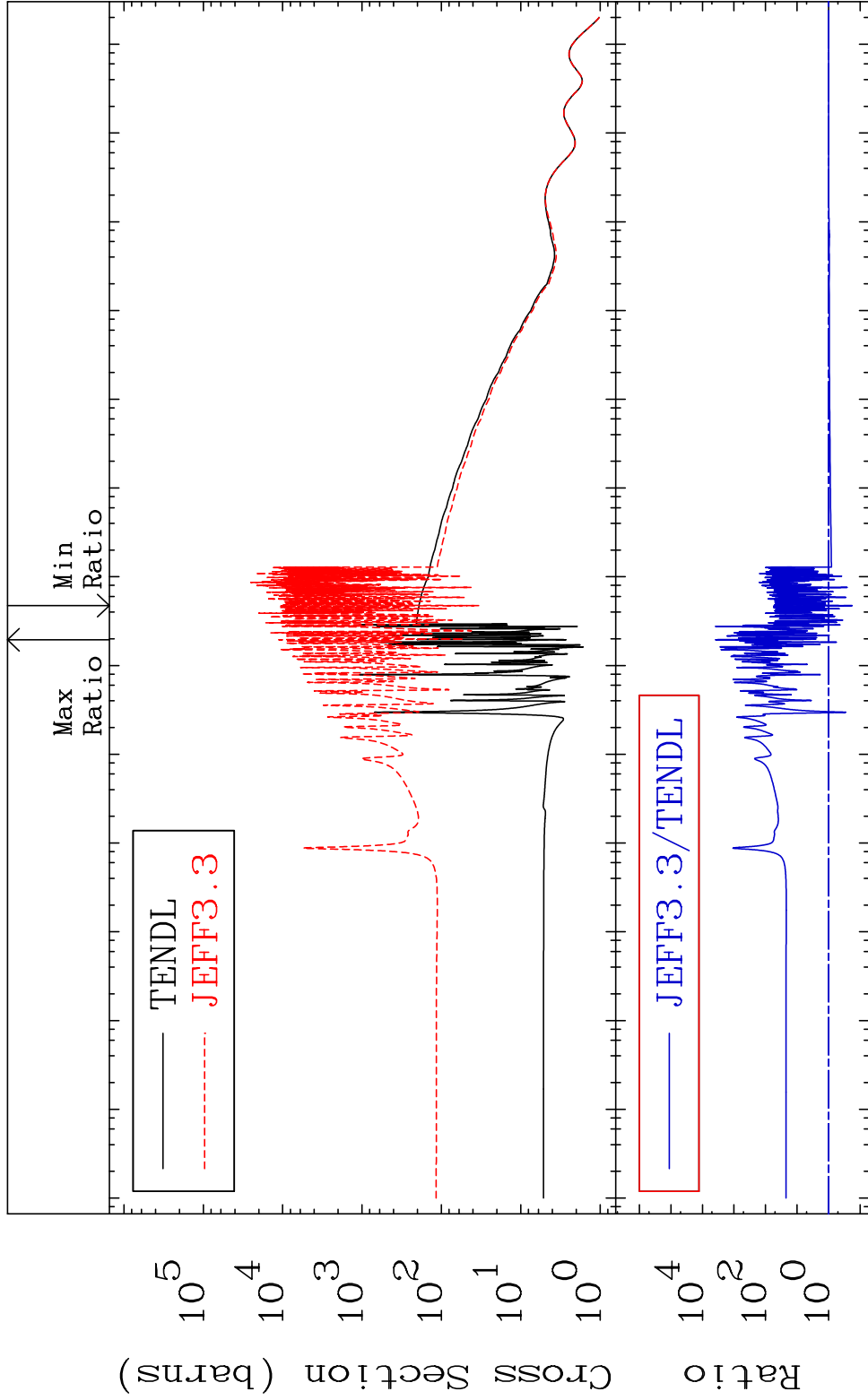


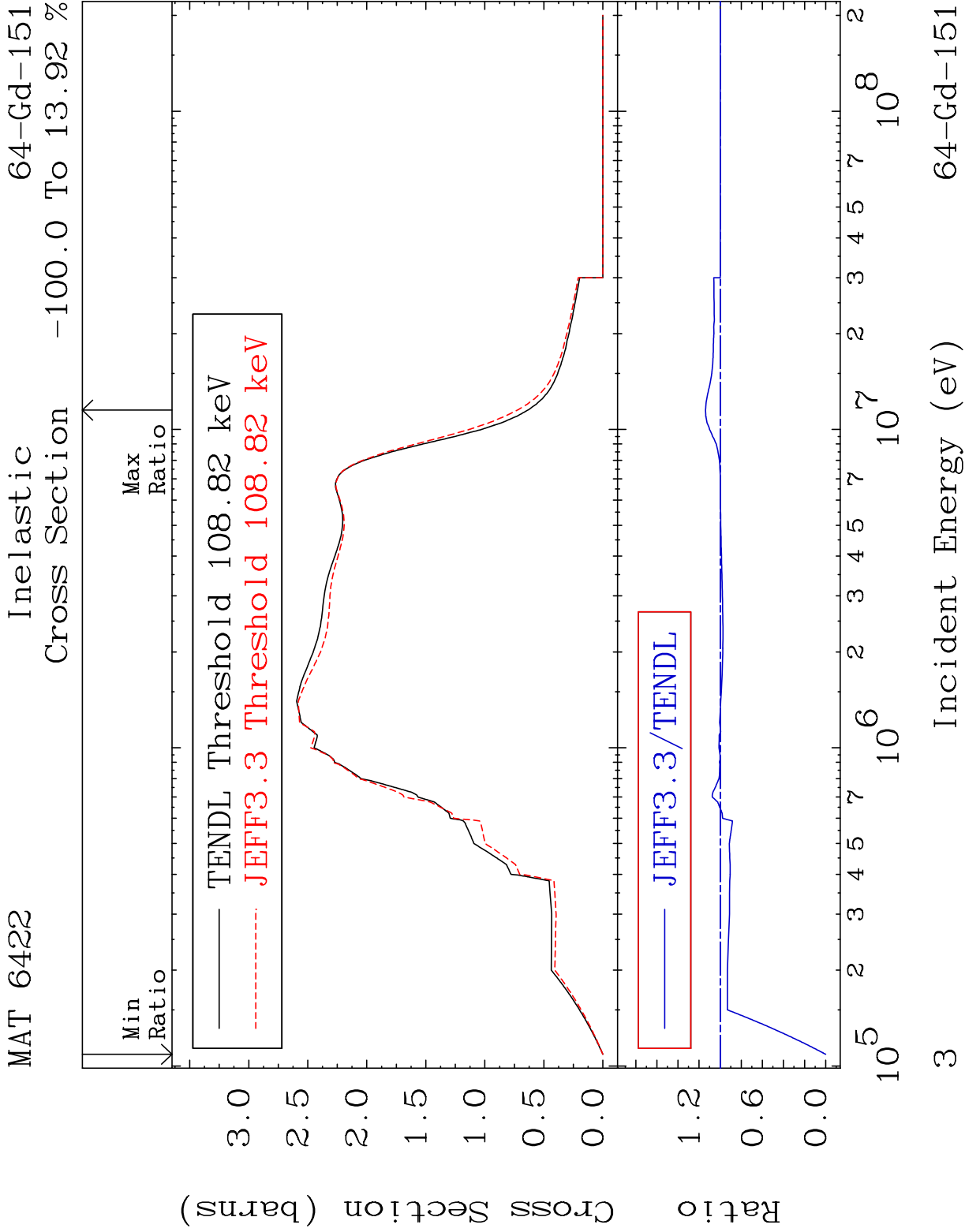
MAT 6422

Elastic

64-Gd-151

Cross Section -82.27 To 9999. %



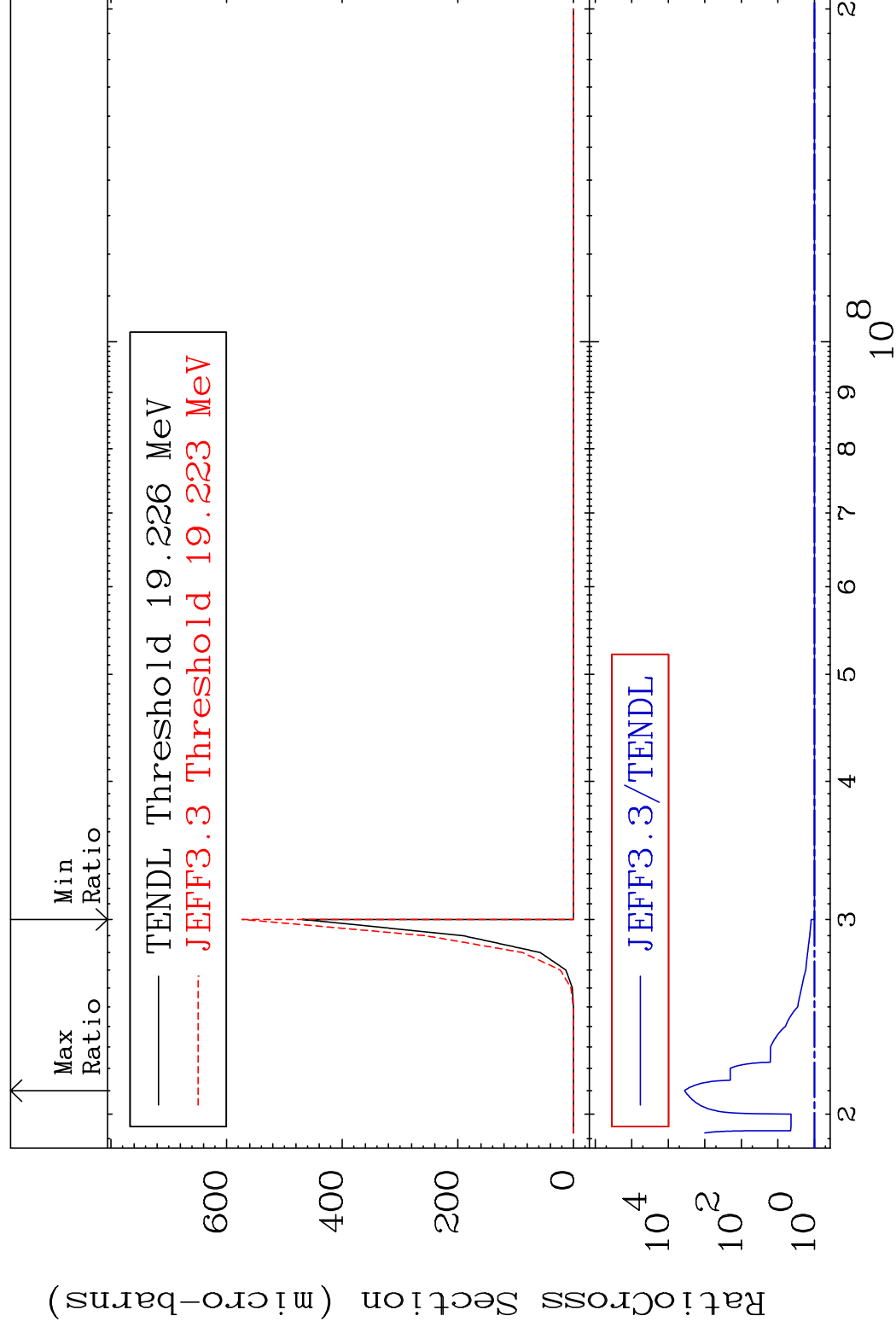


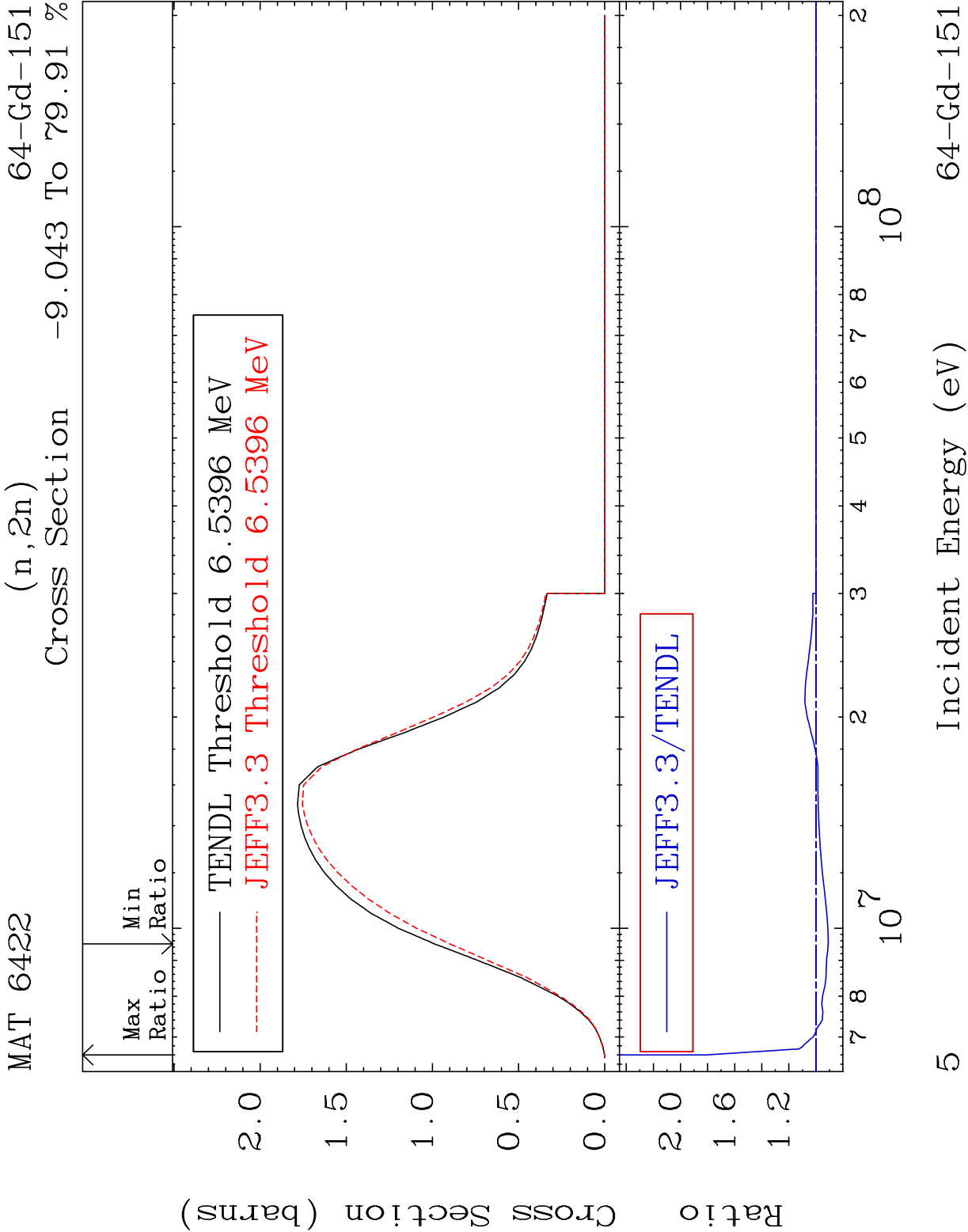
MAT 6422

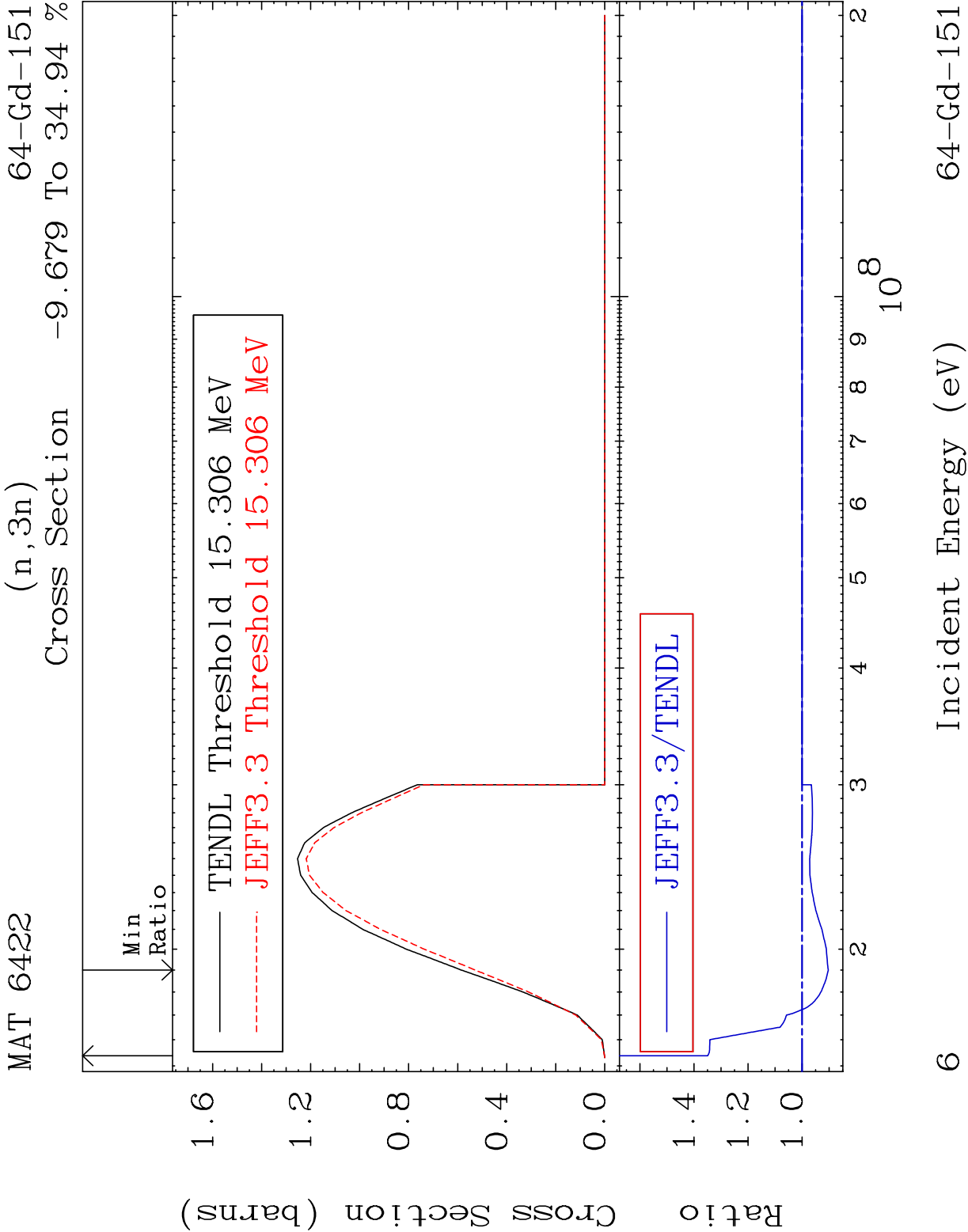
$$(n, 2n) \text{ d}$$

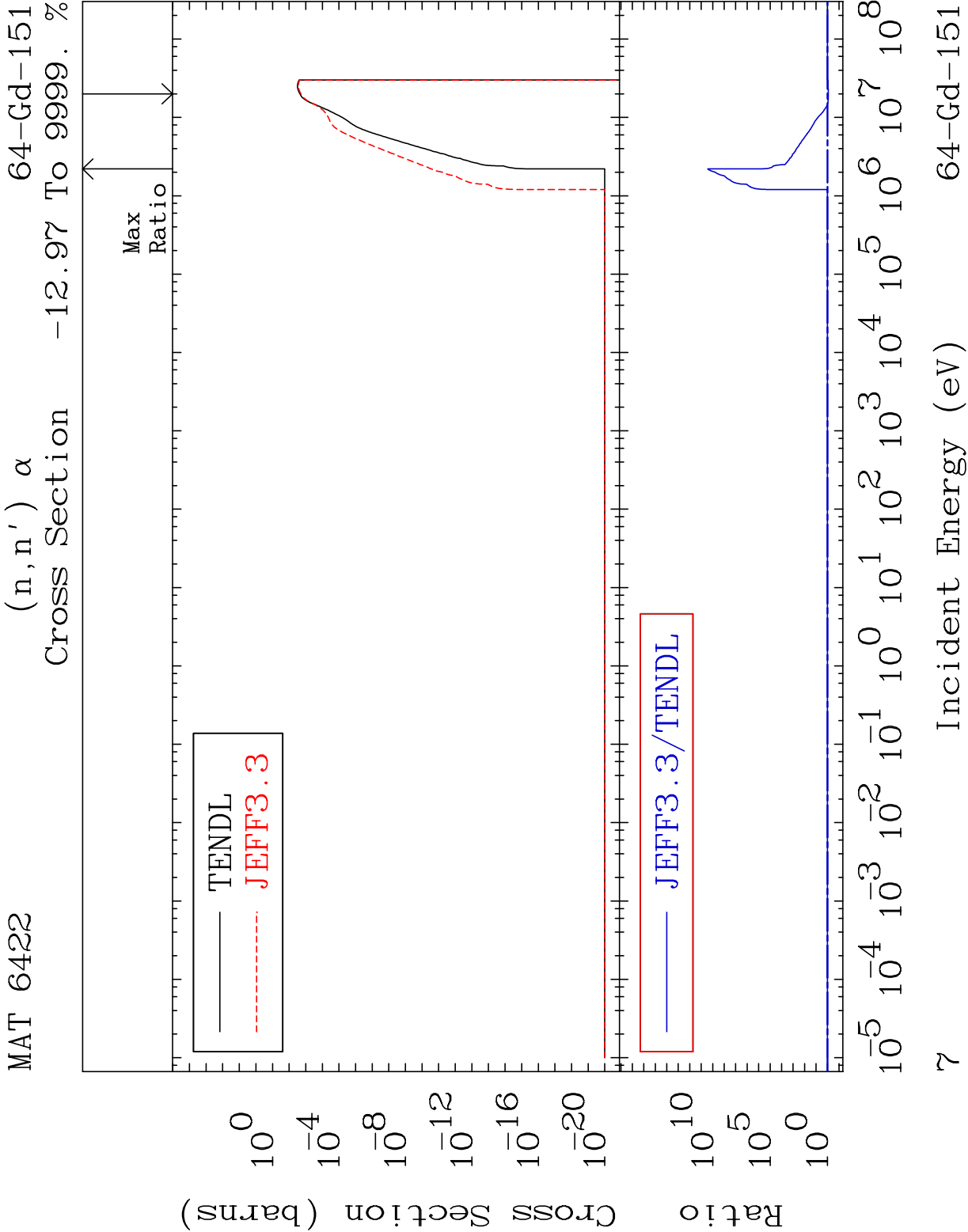
64-Gd-151

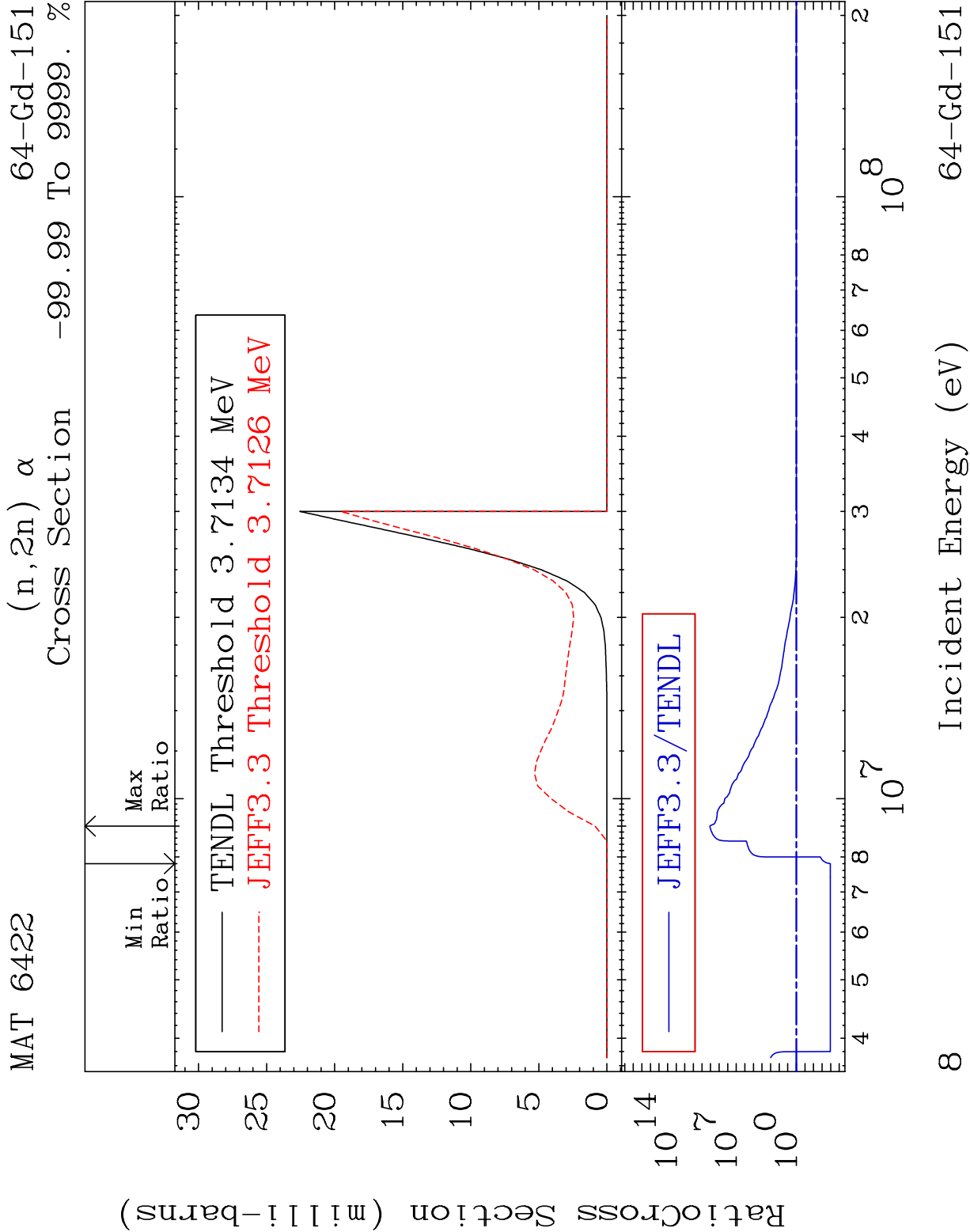
Cross Section 0.000 To 9999. %

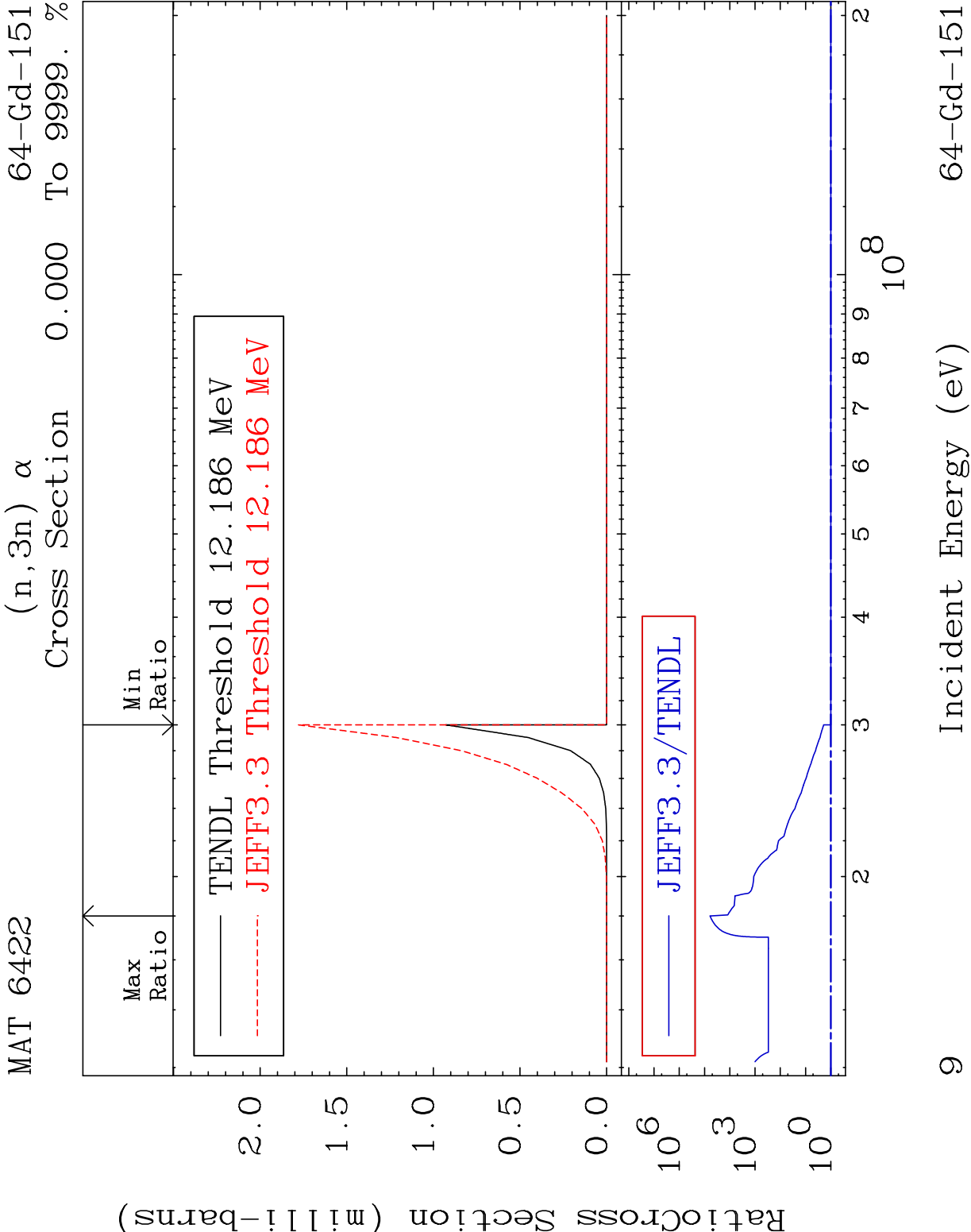








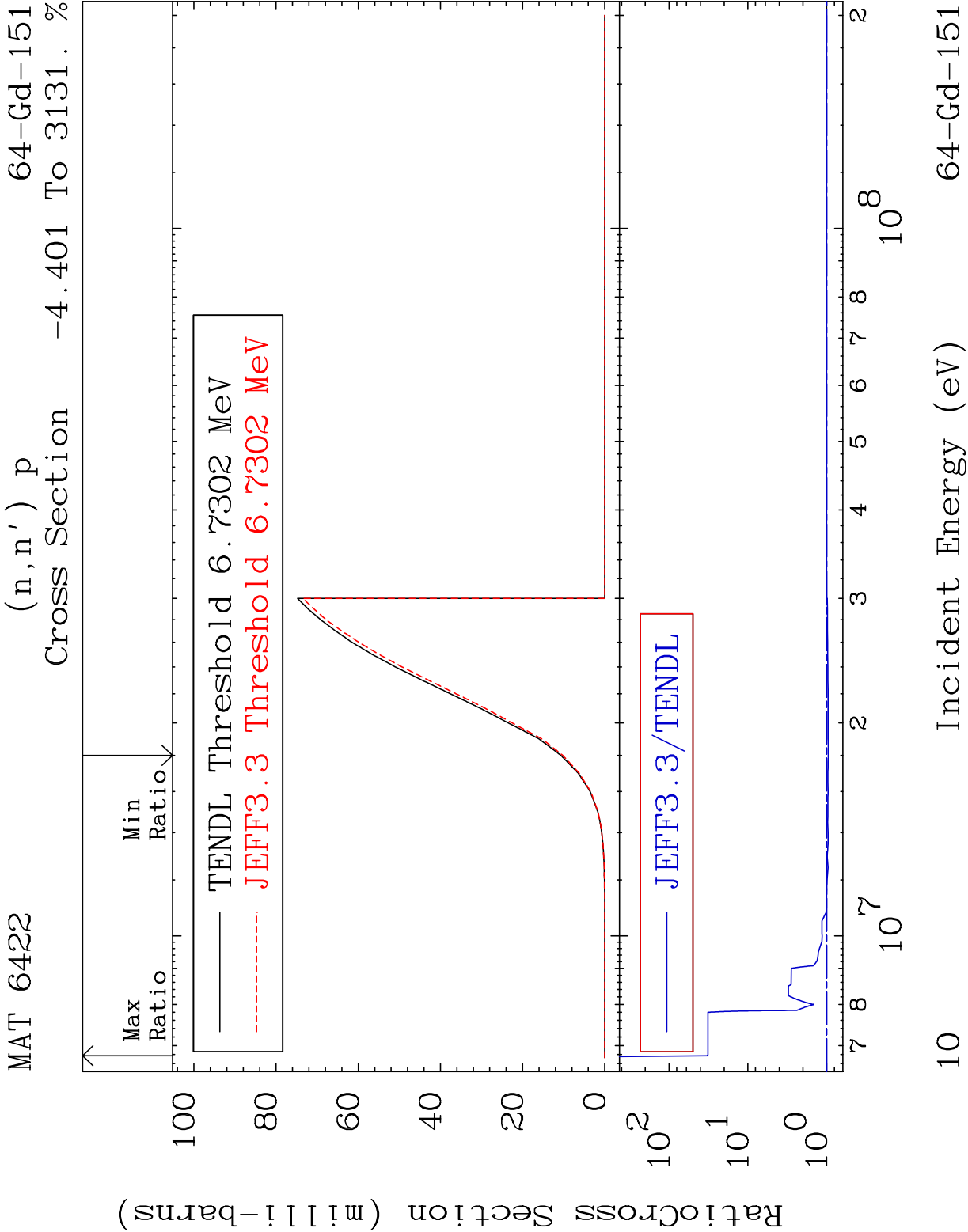


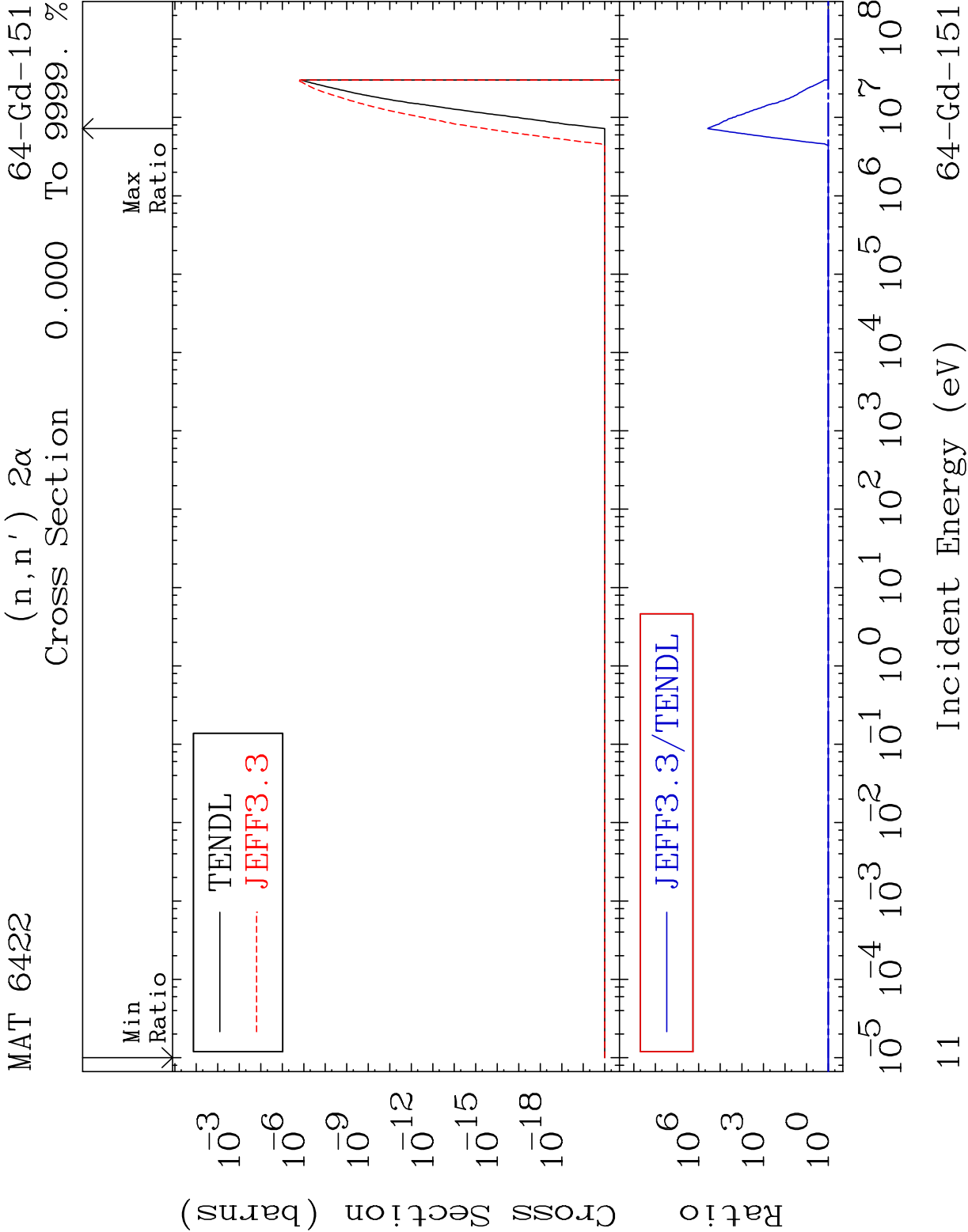


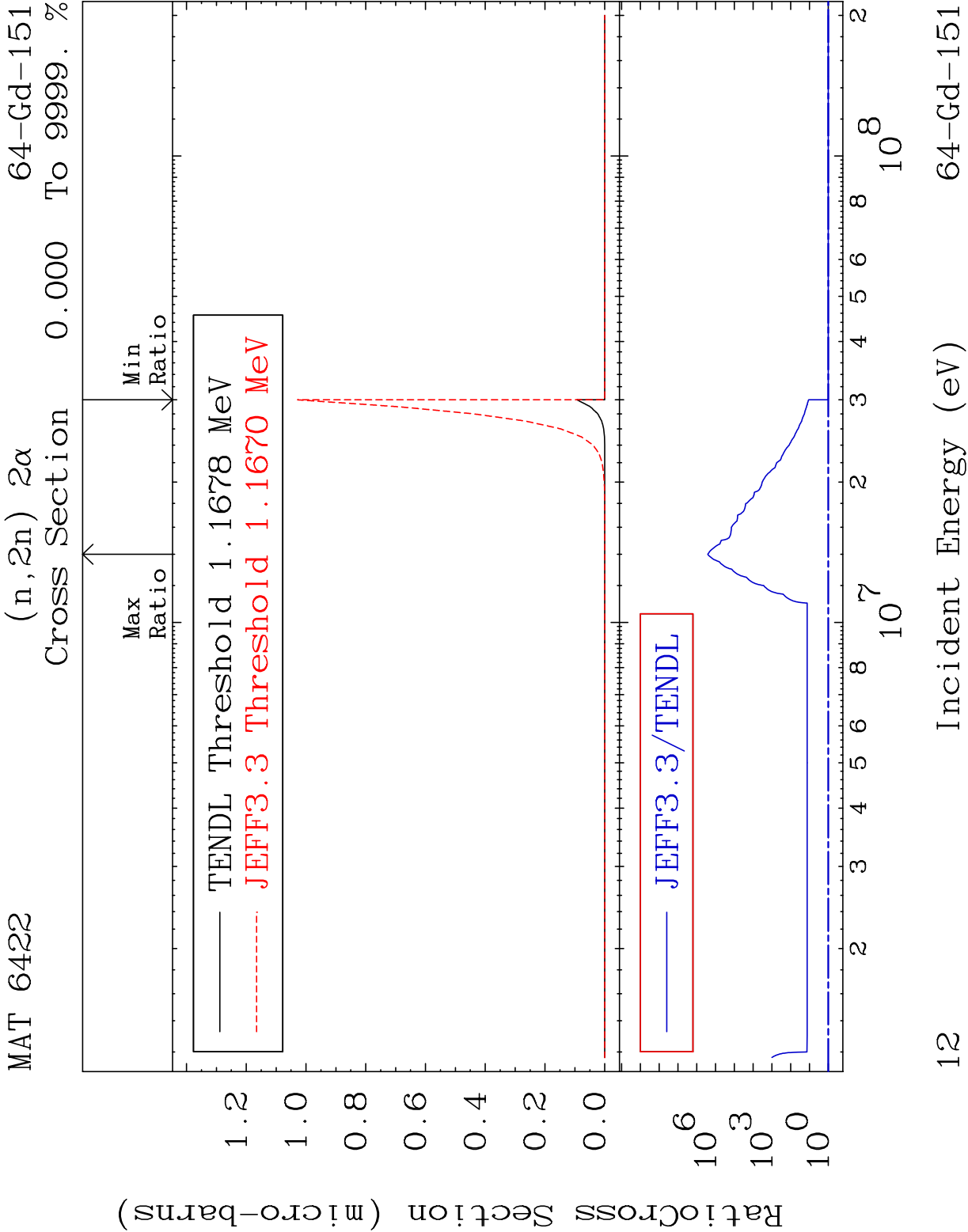
9

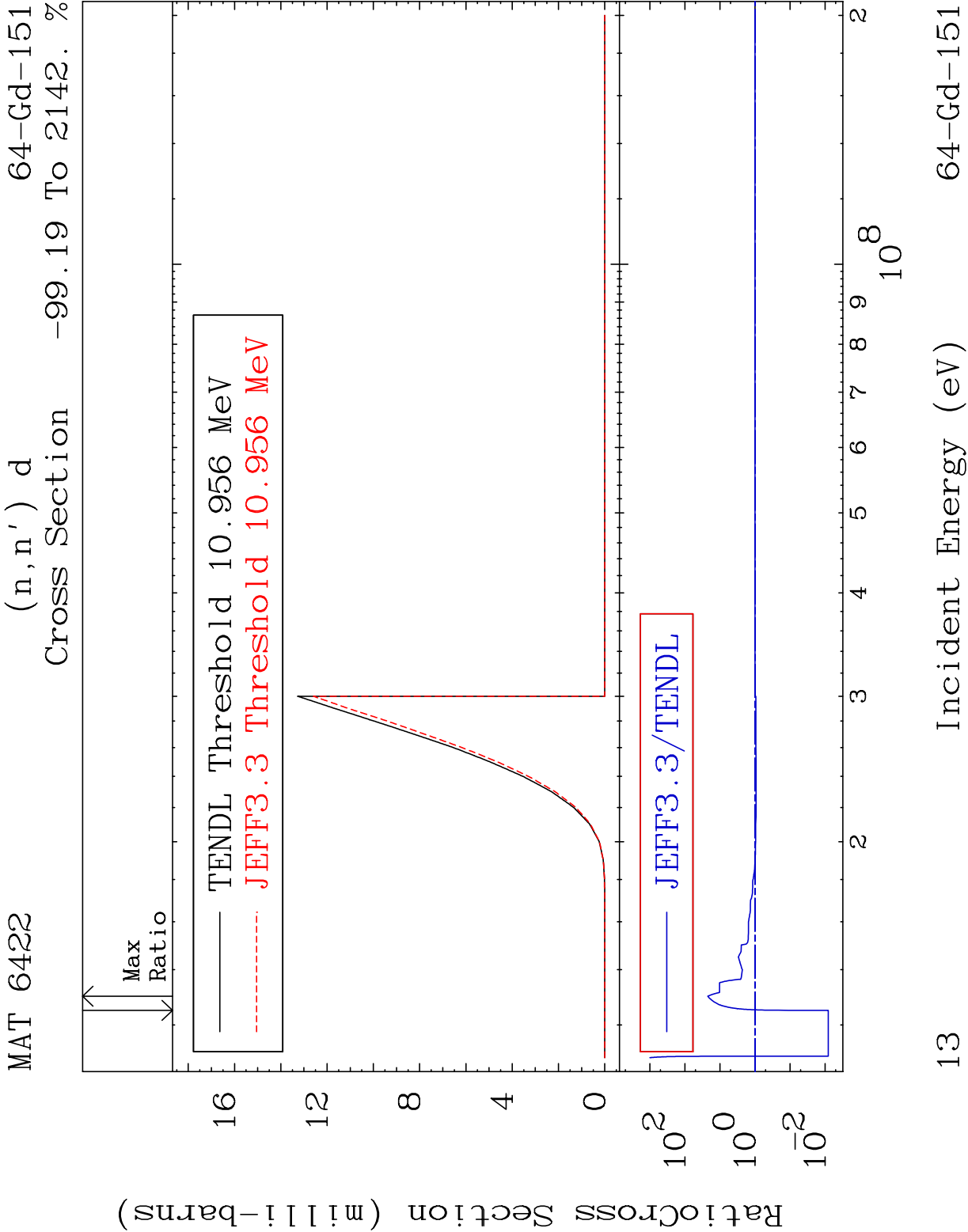
Incident Energy (eV)

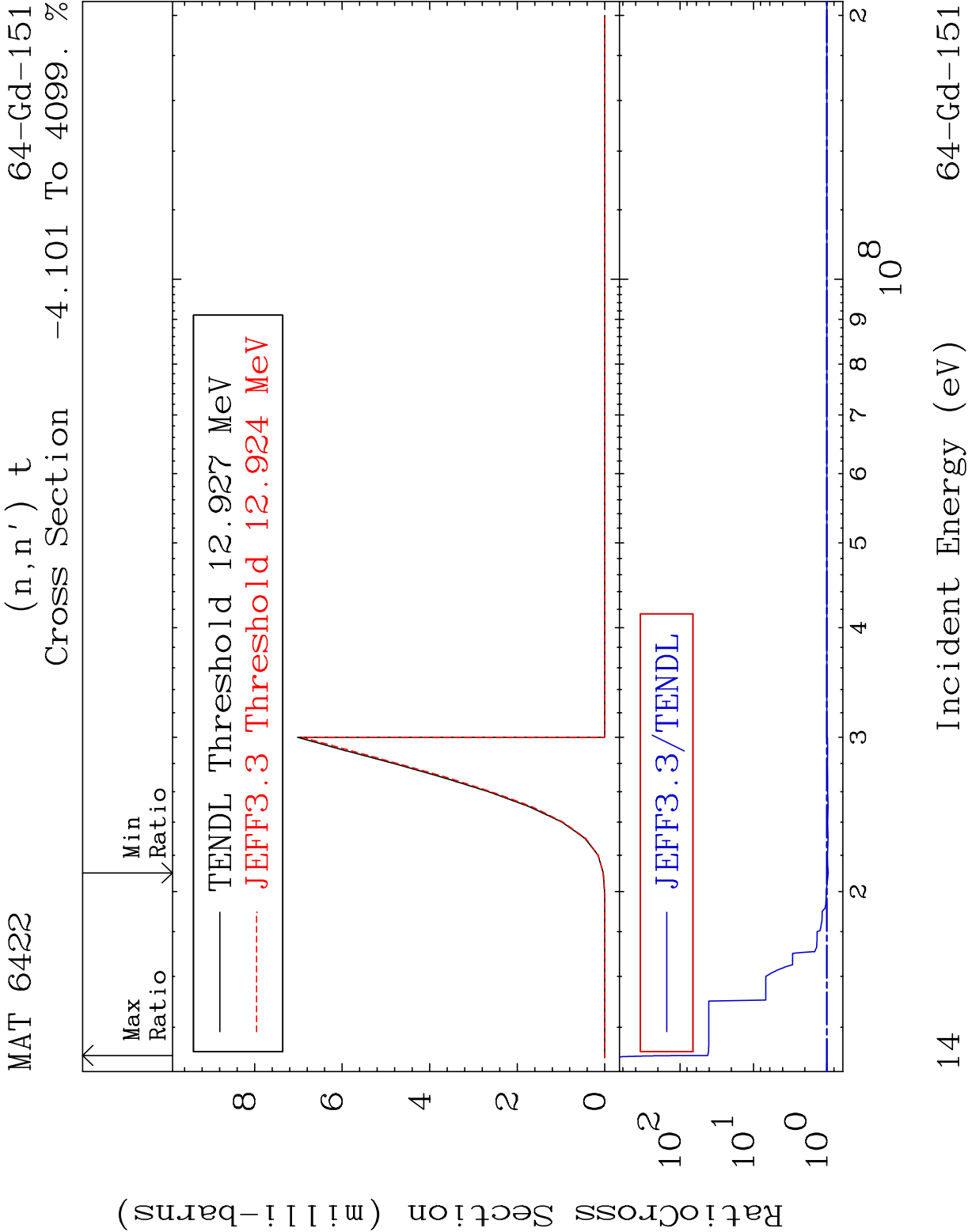
64-Gd-151

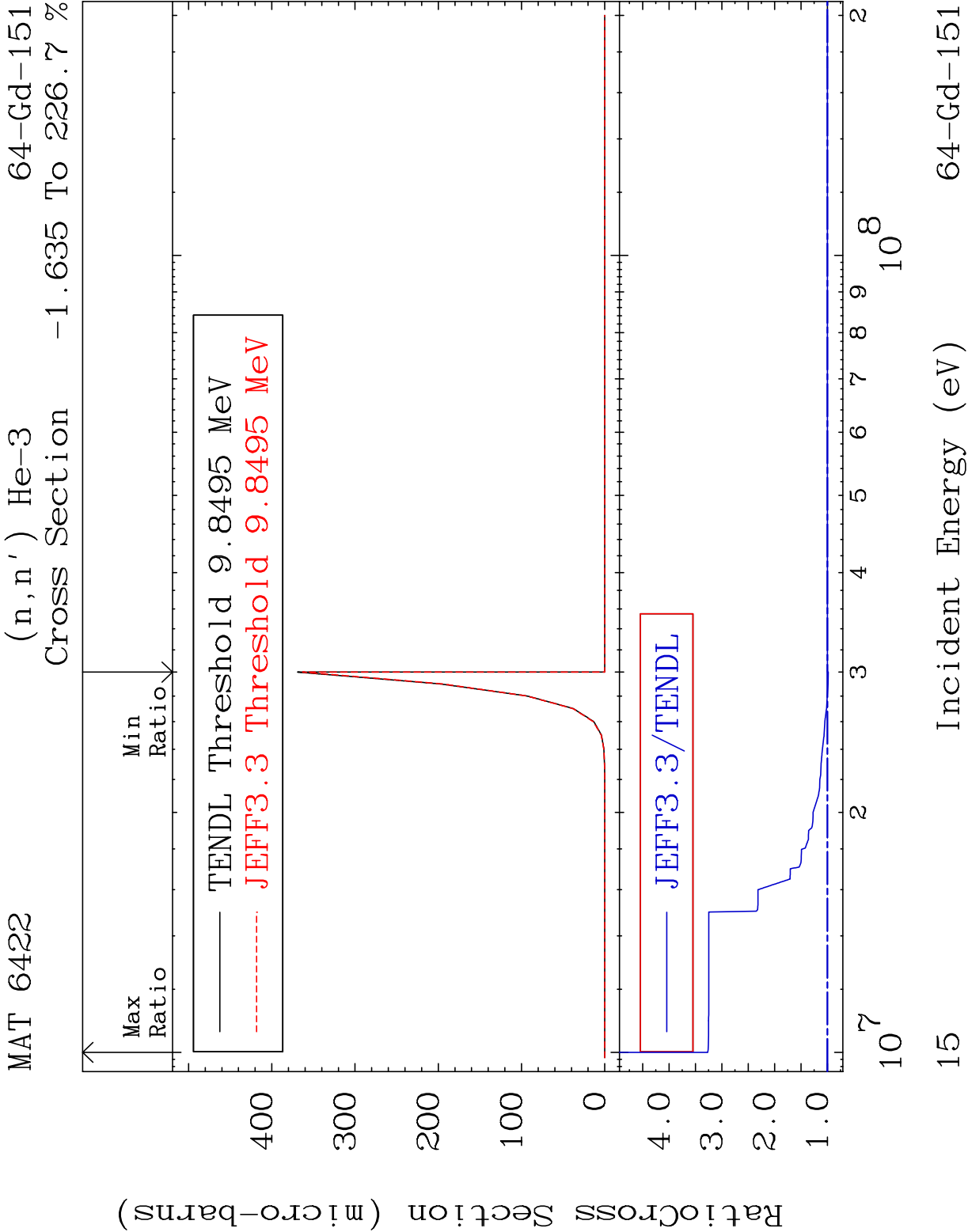


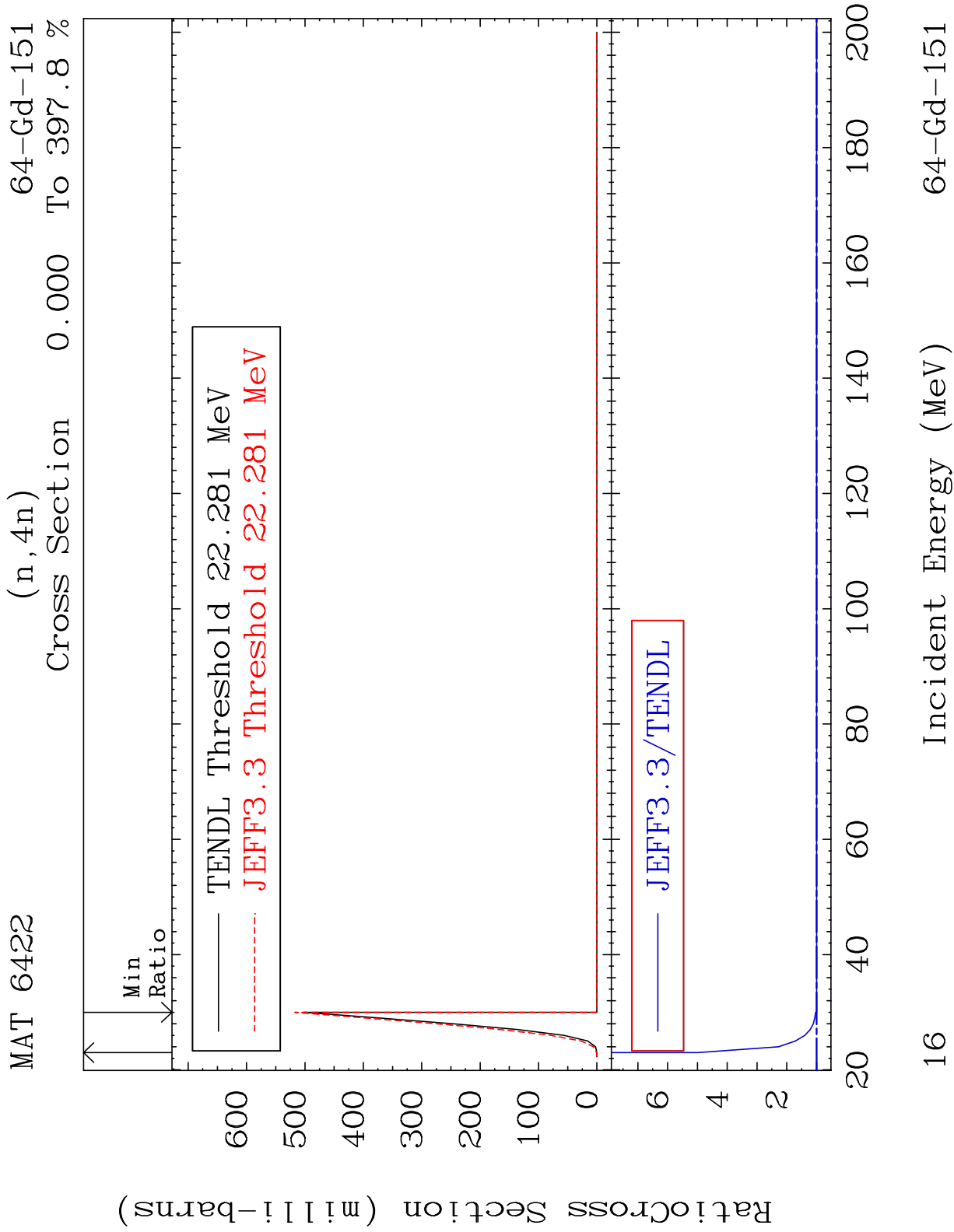


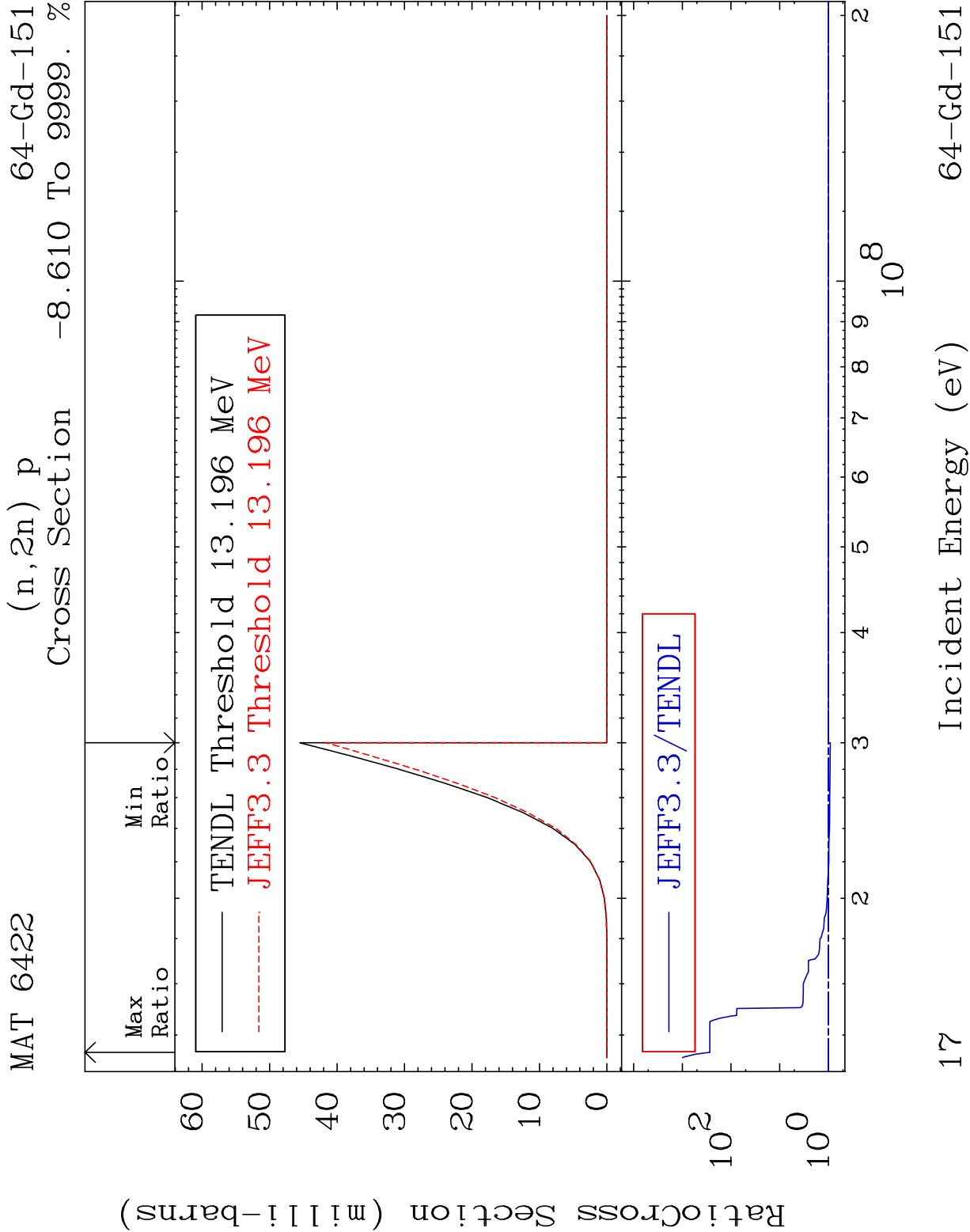


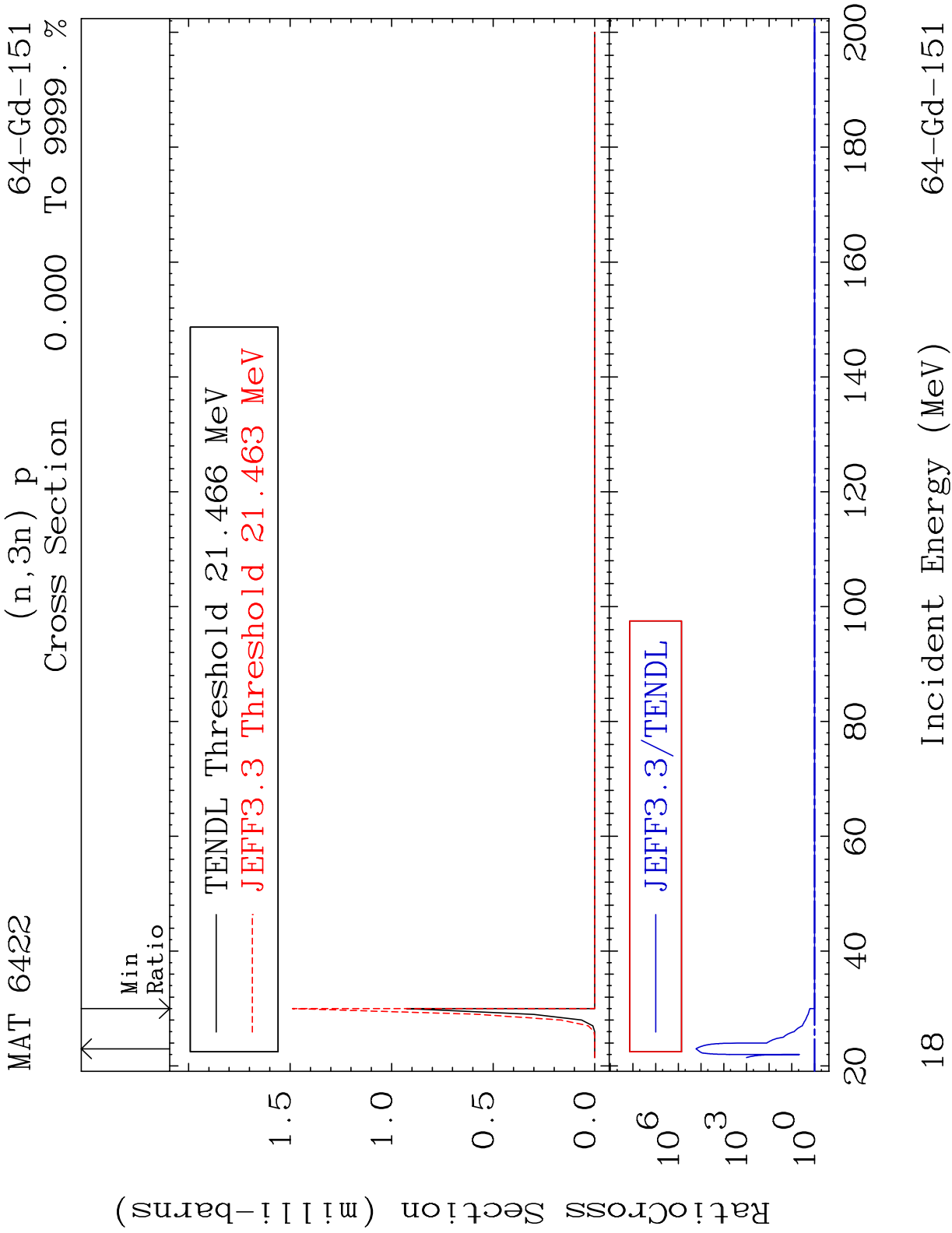


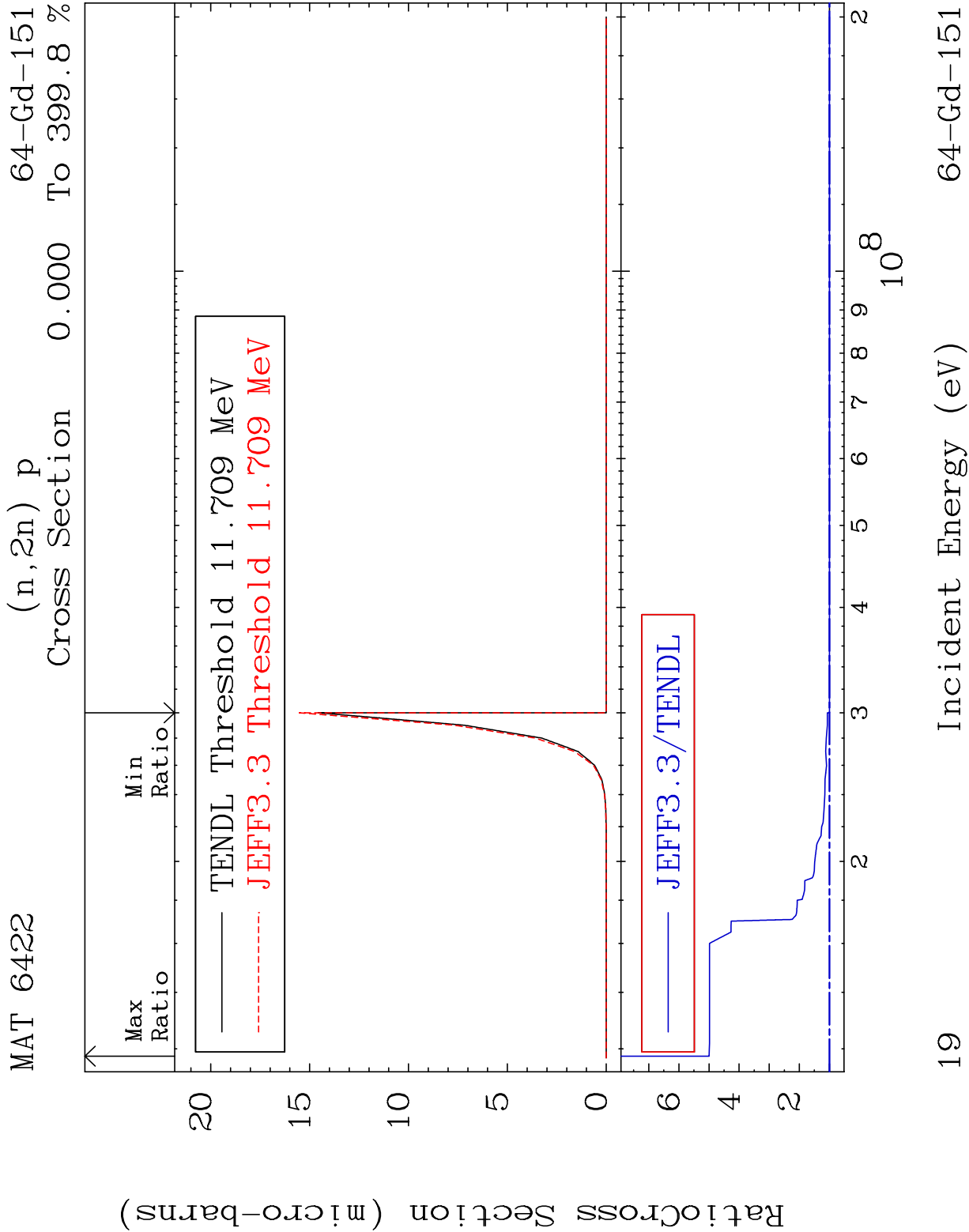


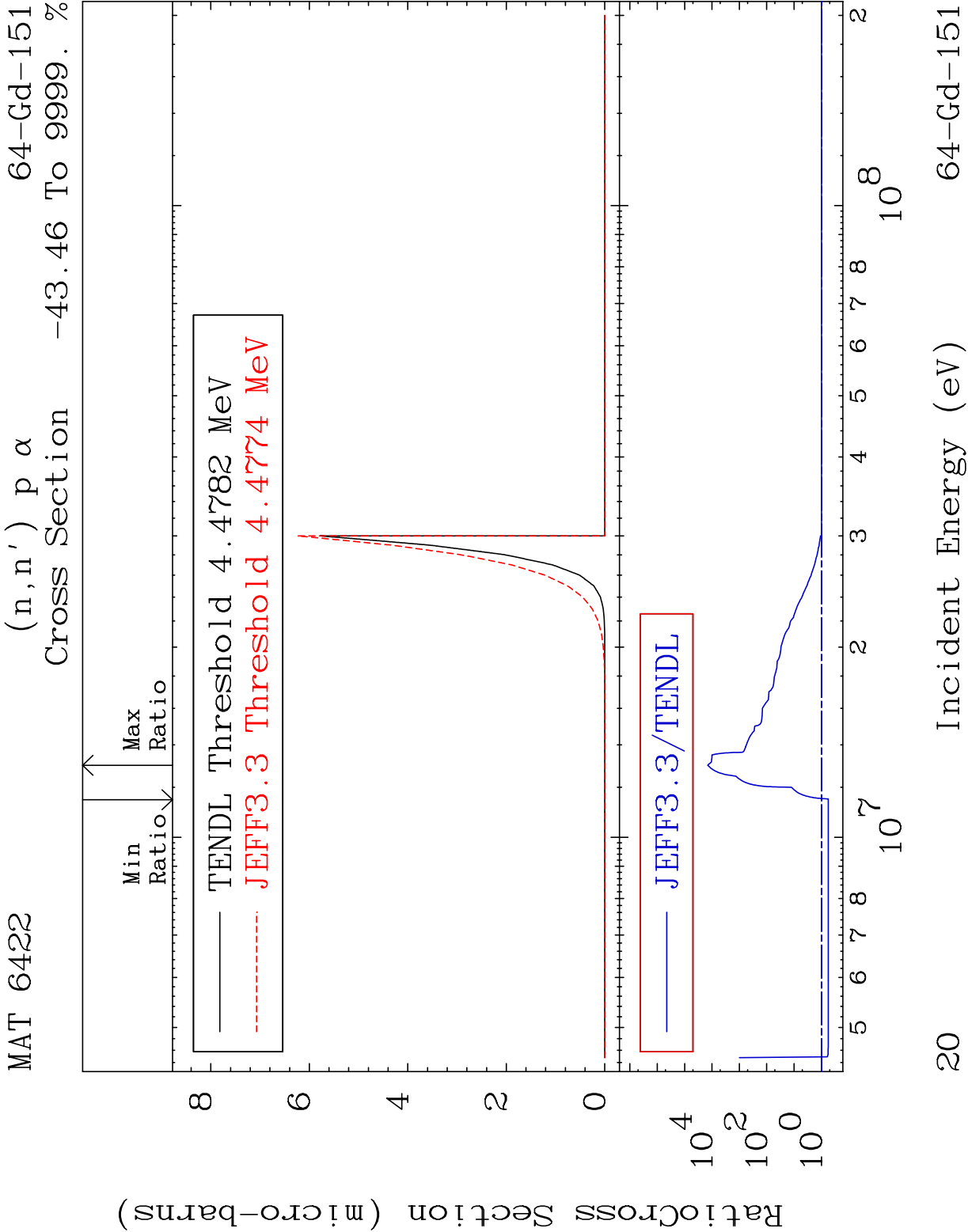




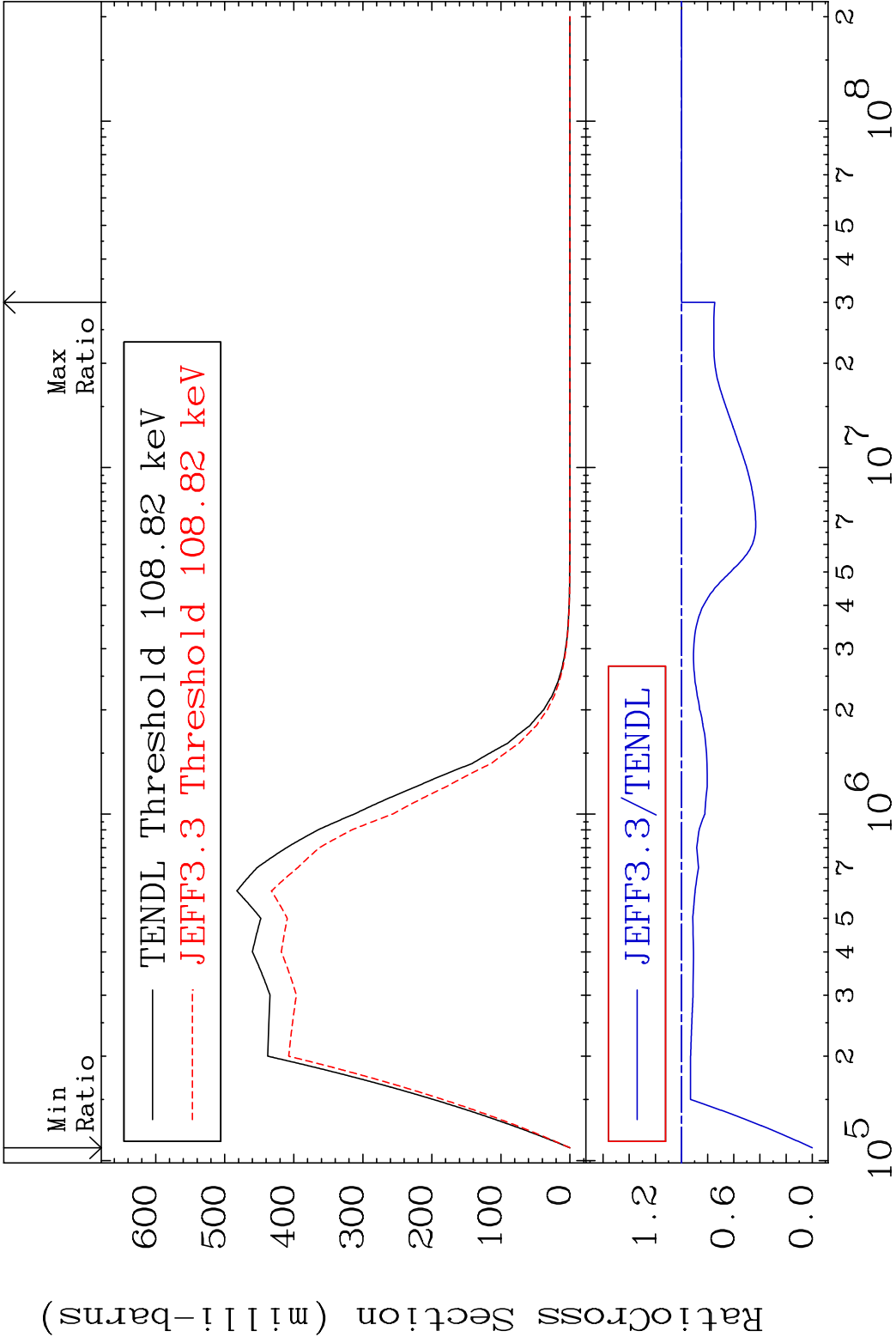


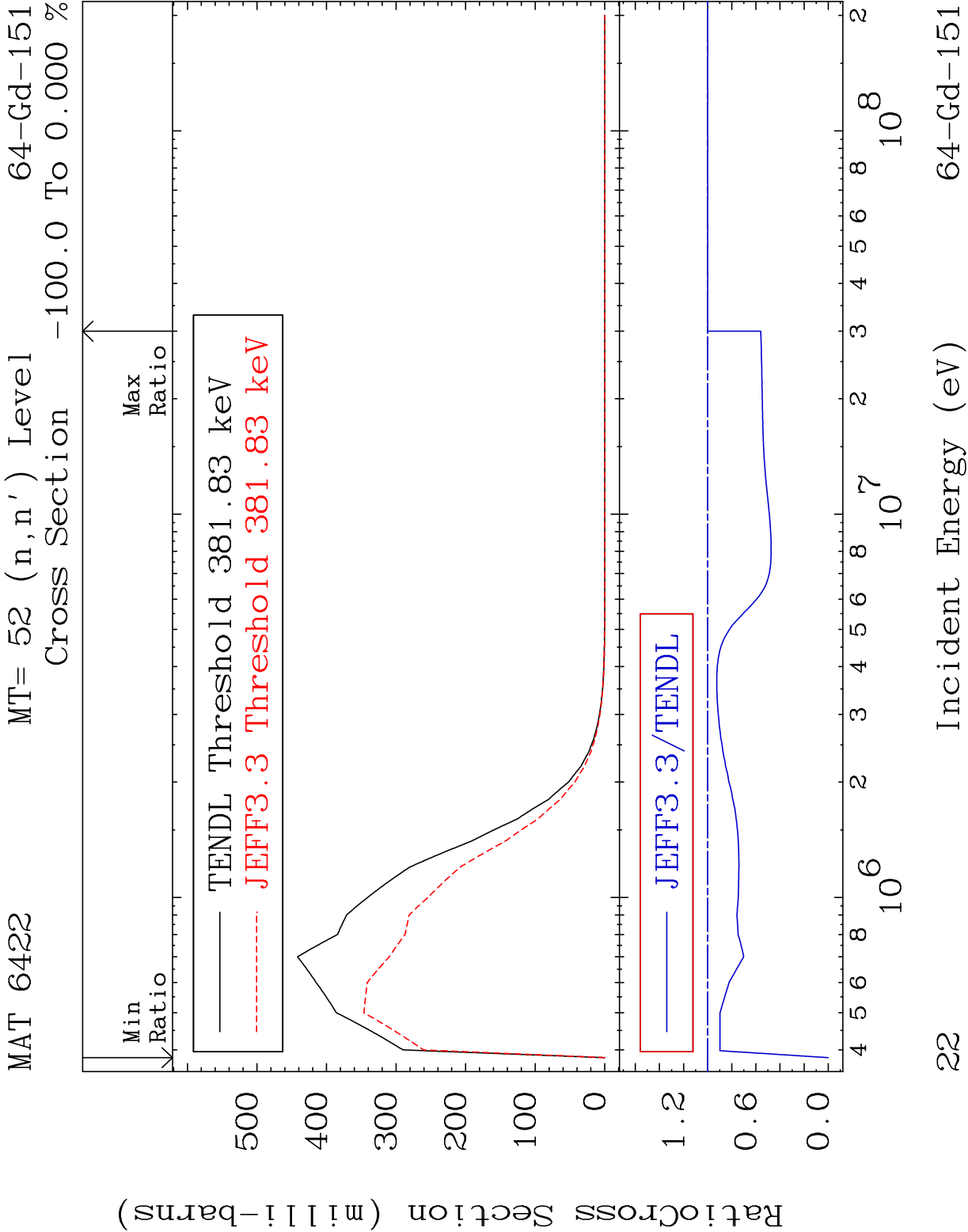




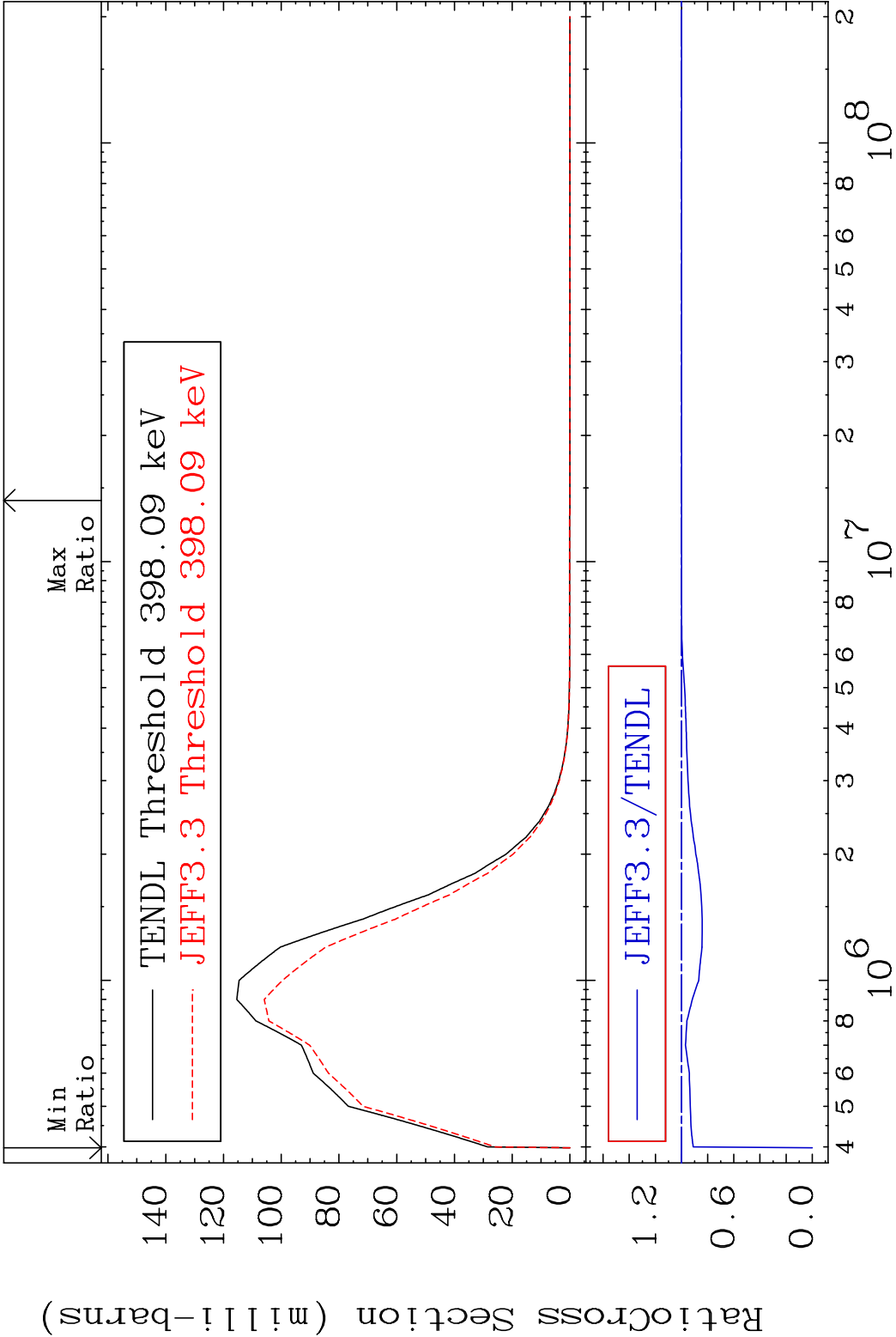


MAT 6422      MT= 51 (n,n') Level      64-Gd-151  
 Cross Section    -100.0 To 0.000 %

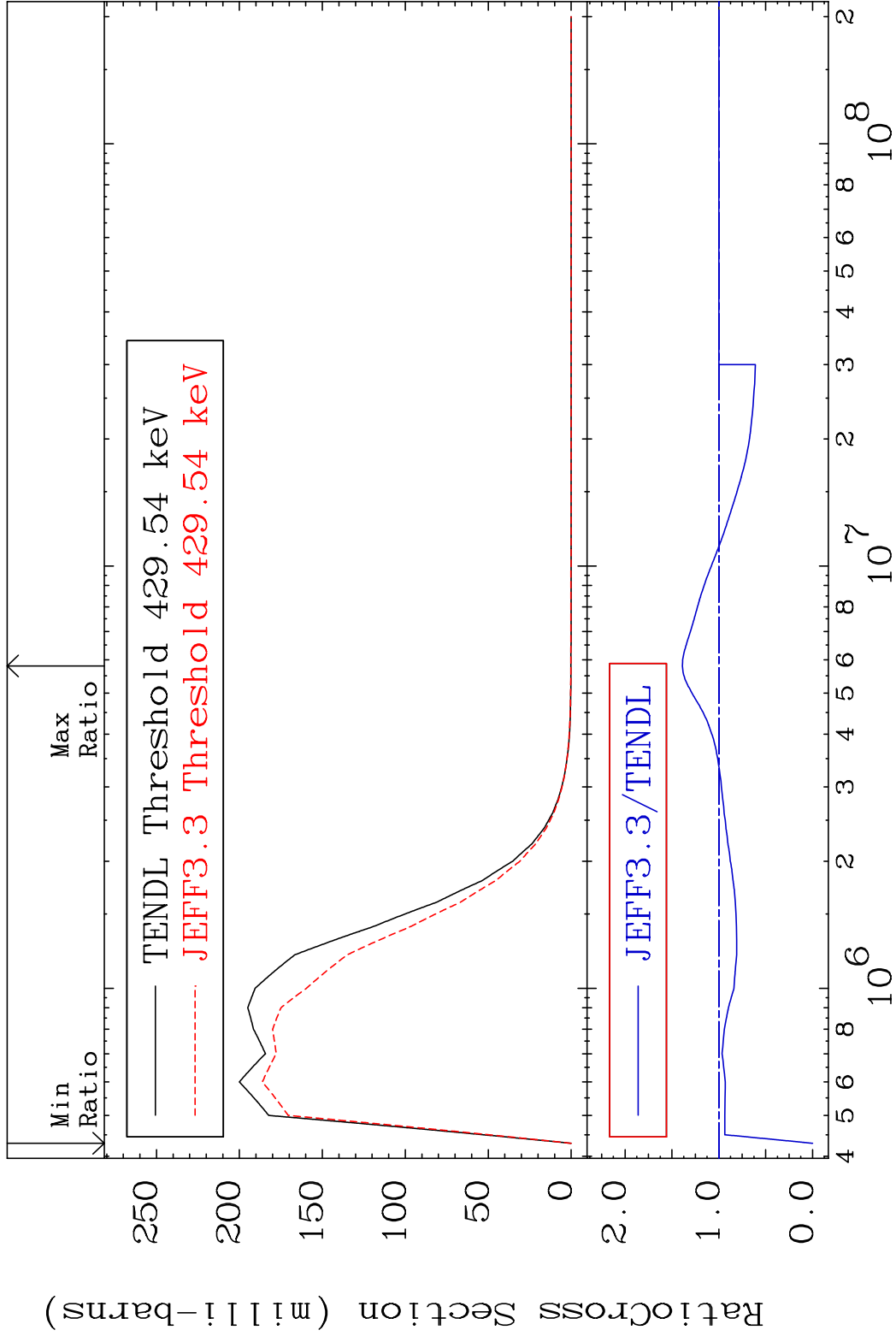




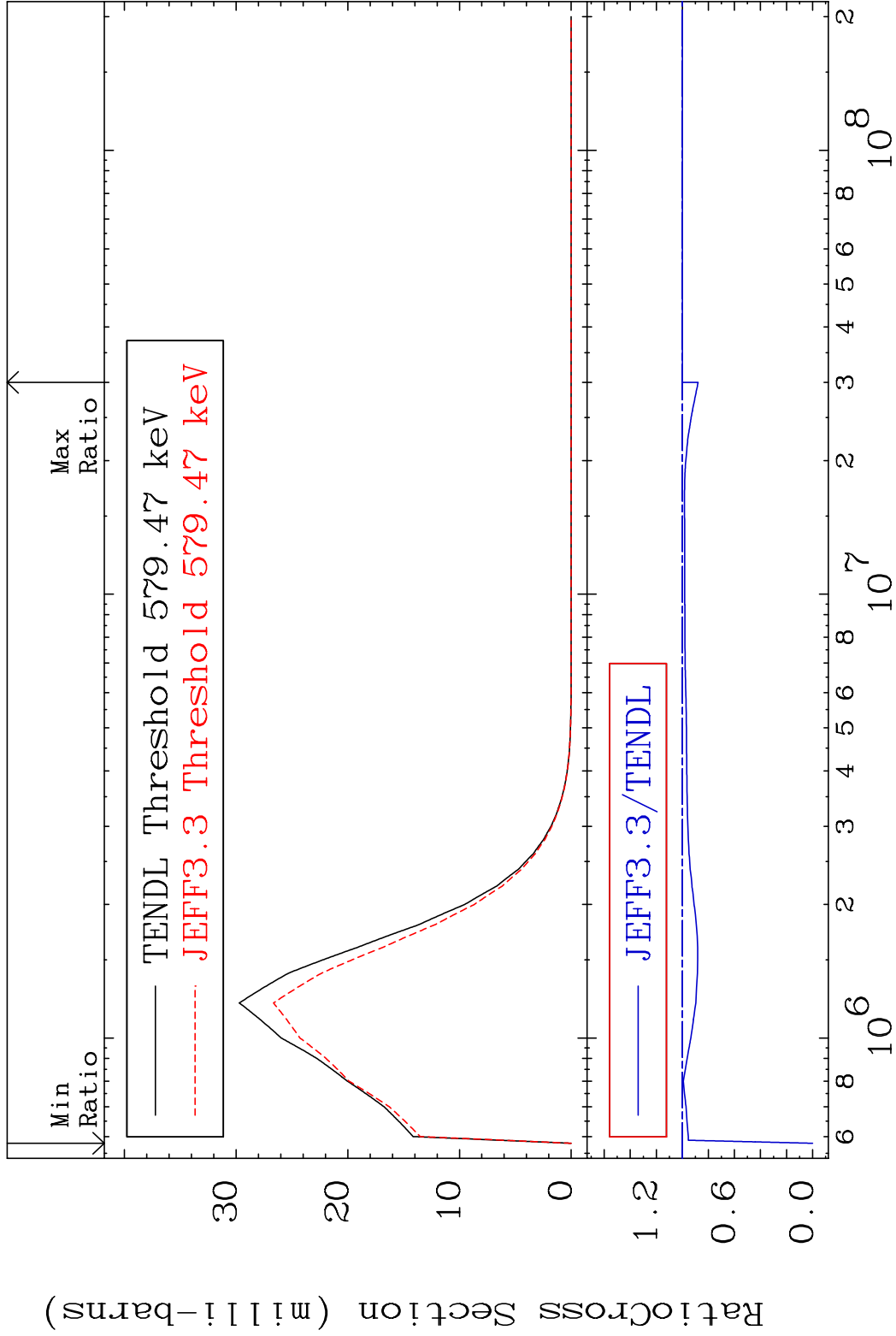
MAT 6422      MT= 53 (n,n') Level      64-Gd-151  
 Cross Section    -100.0 To 0.000 %



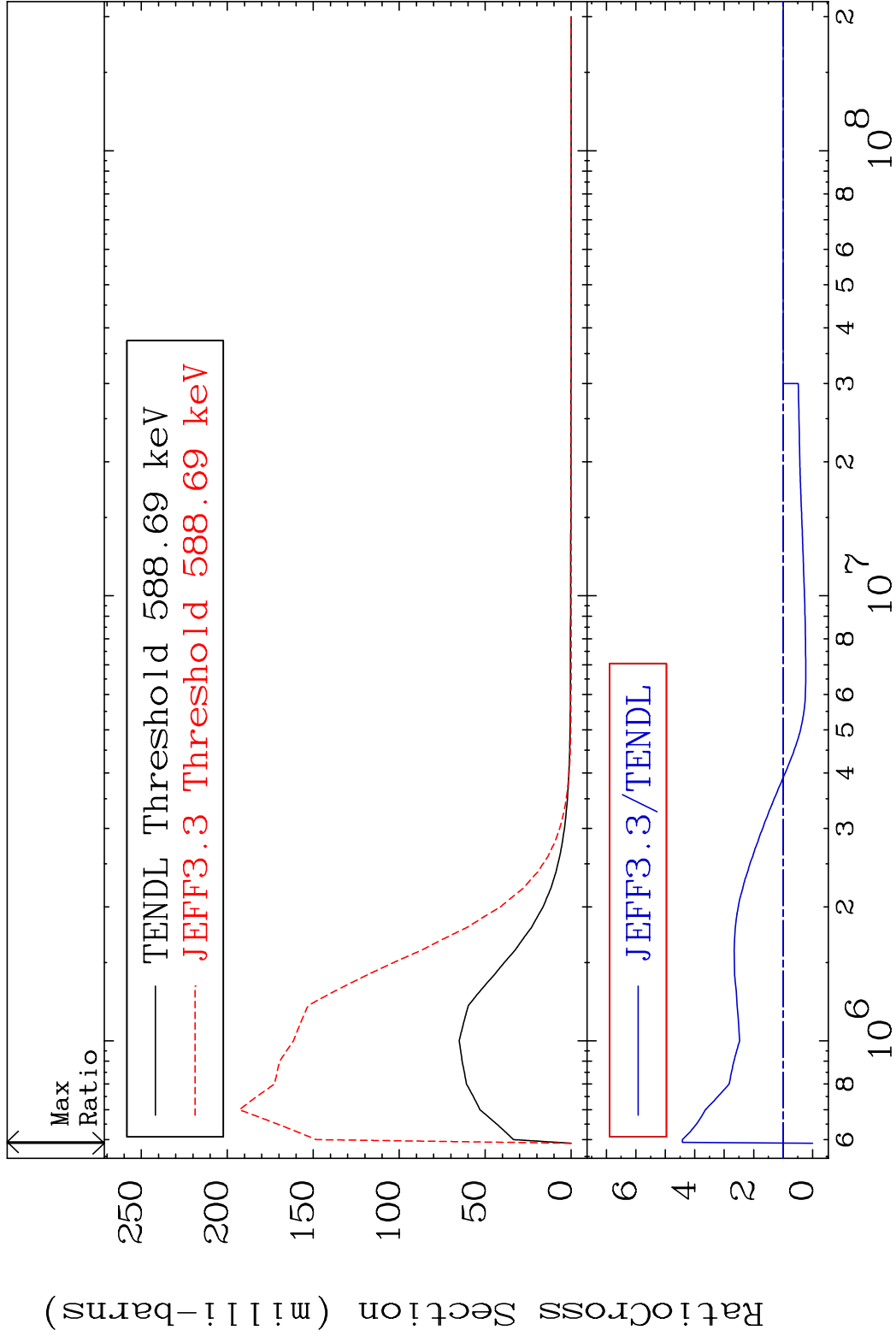
MAT 6422      MT= 54 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 38.89 %



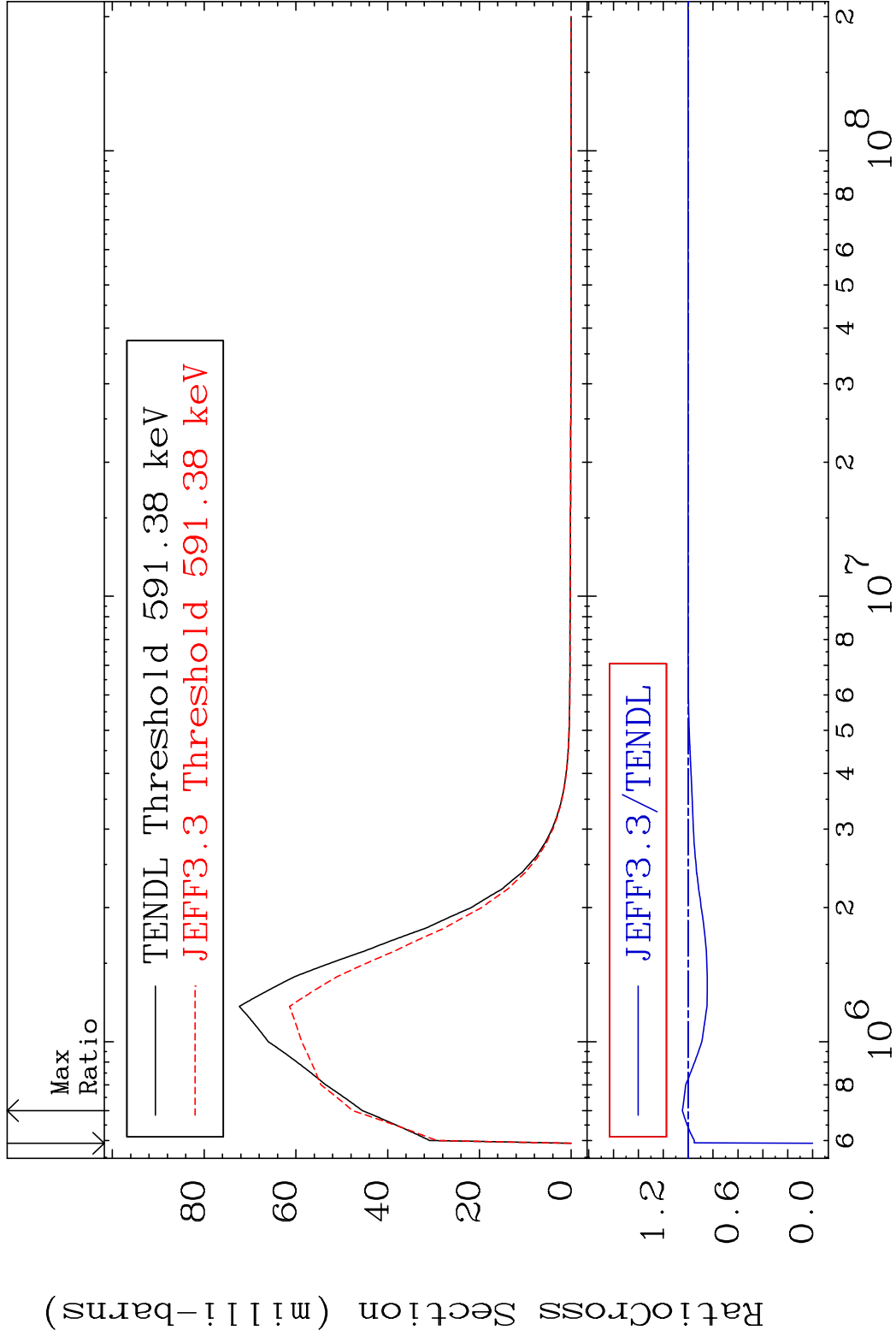
MAT 6422      MT= 55 (n,n') Level      64-Gd-151  
Cross Section      -100.0 To 0.000 %



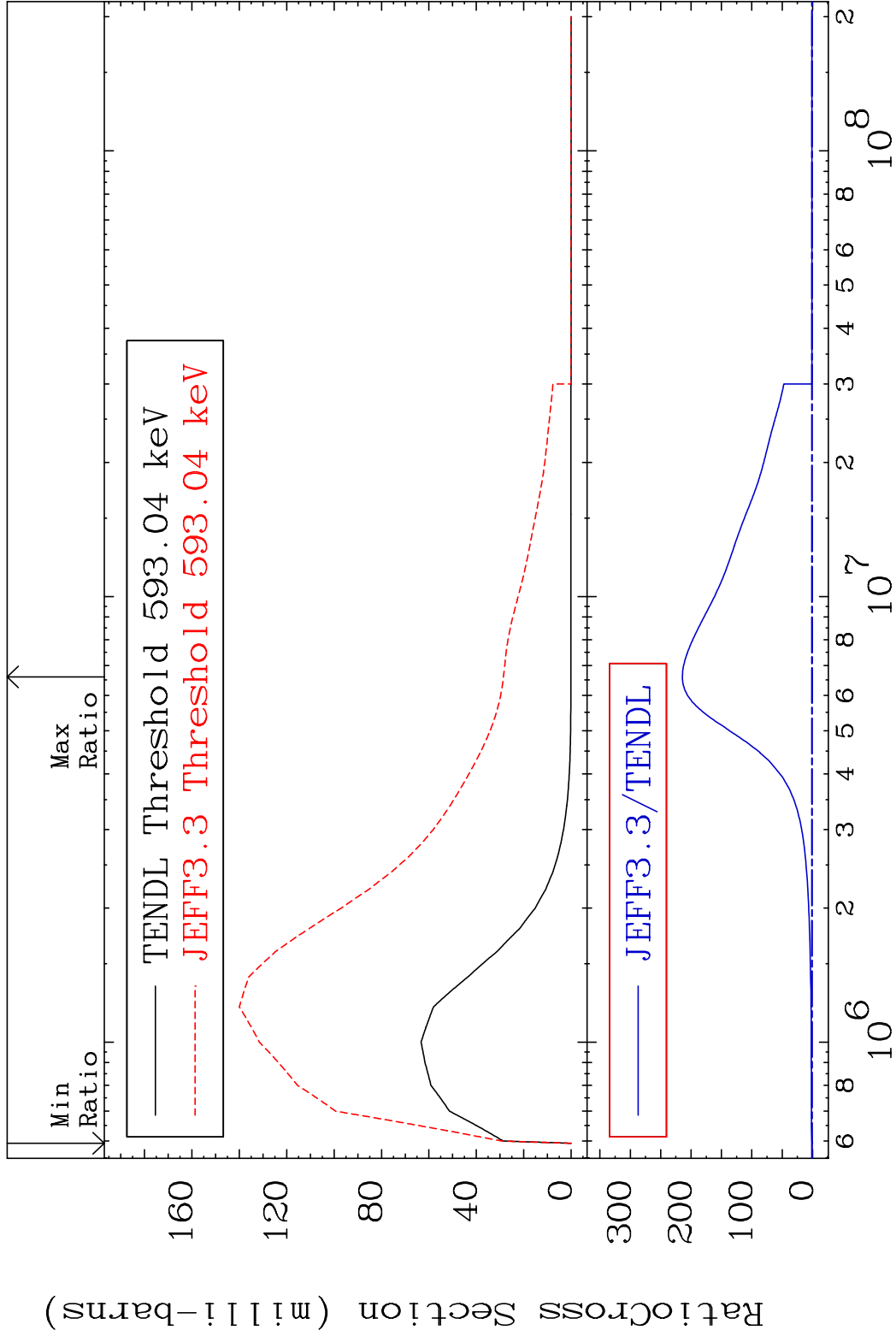
MAT 6422      MT= 56 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 342.1 %



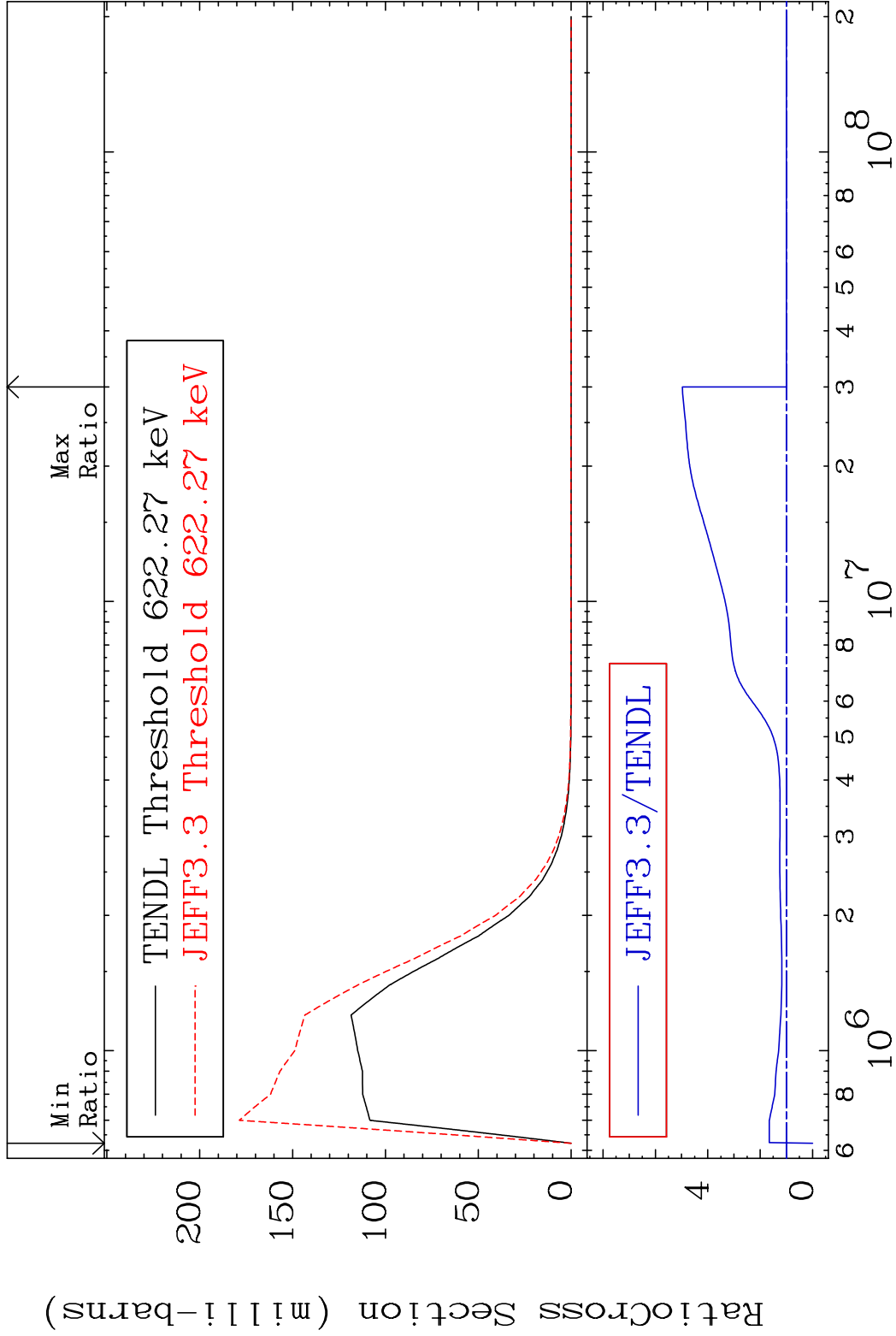
MAT 6422      MT= 57 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 4.672 %



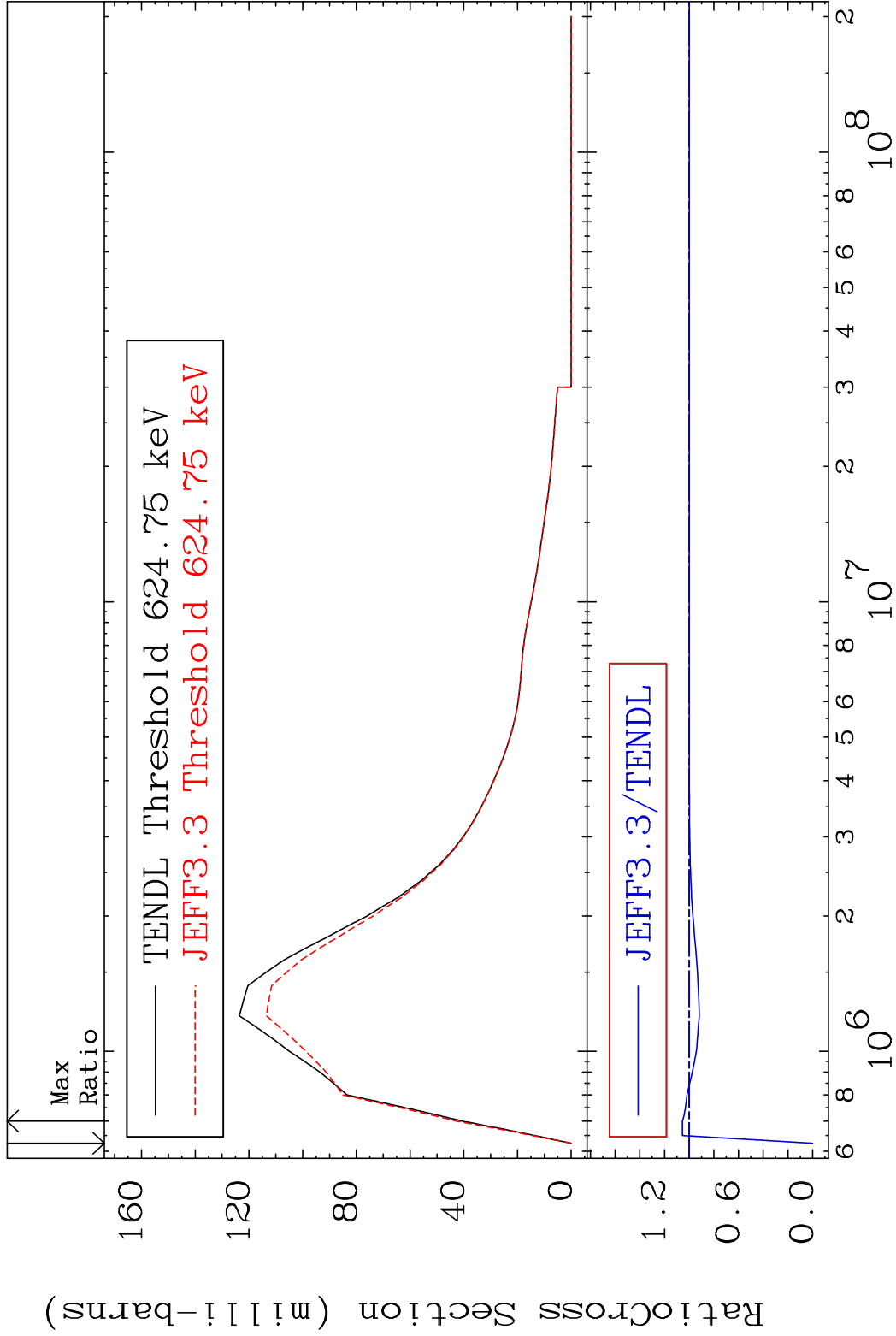
MAT 6422      MT= 58 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 9999. %



MAT 6422      MT= 59 (n,n') Level      64-Gd-151  
Cross Section      -100.0 To 397.1 %

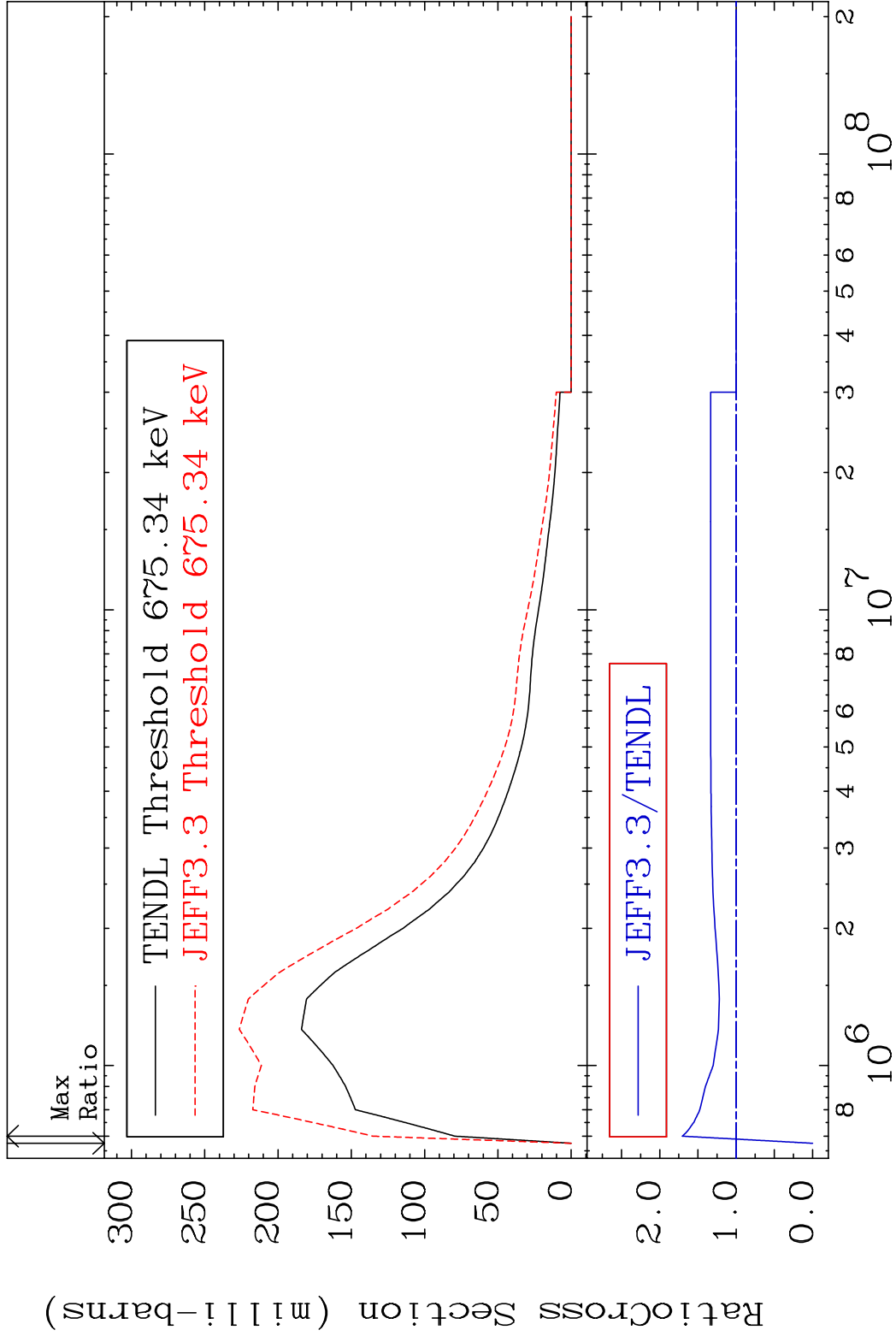


MAT 6422      MT= 60 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 5.526 %



30      Incident Energy (eV)      64-Gd-151

MAT 6422      MT= 61 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 70.38 %



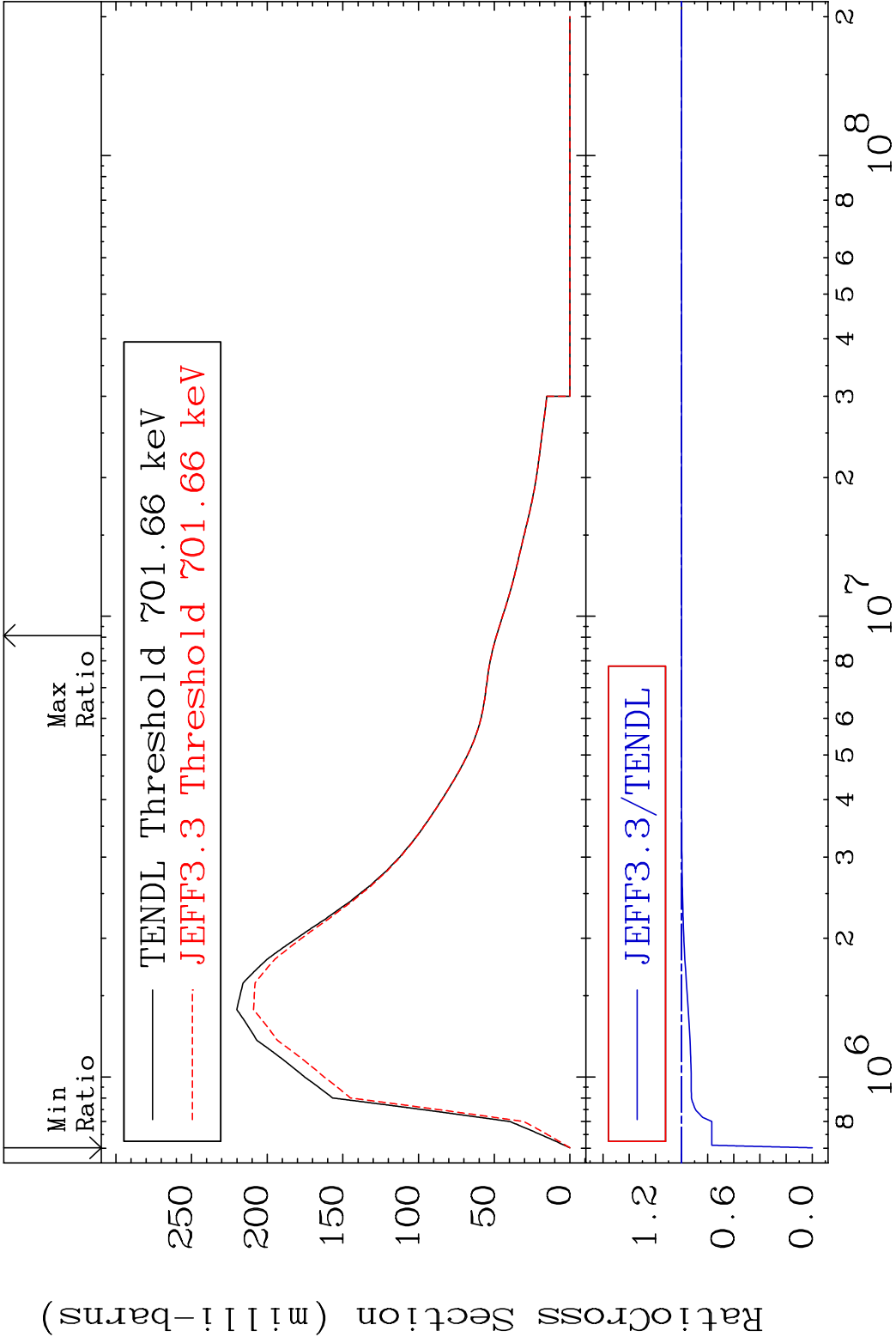
MAT 6422

MT= 62 (n,n' ) Level

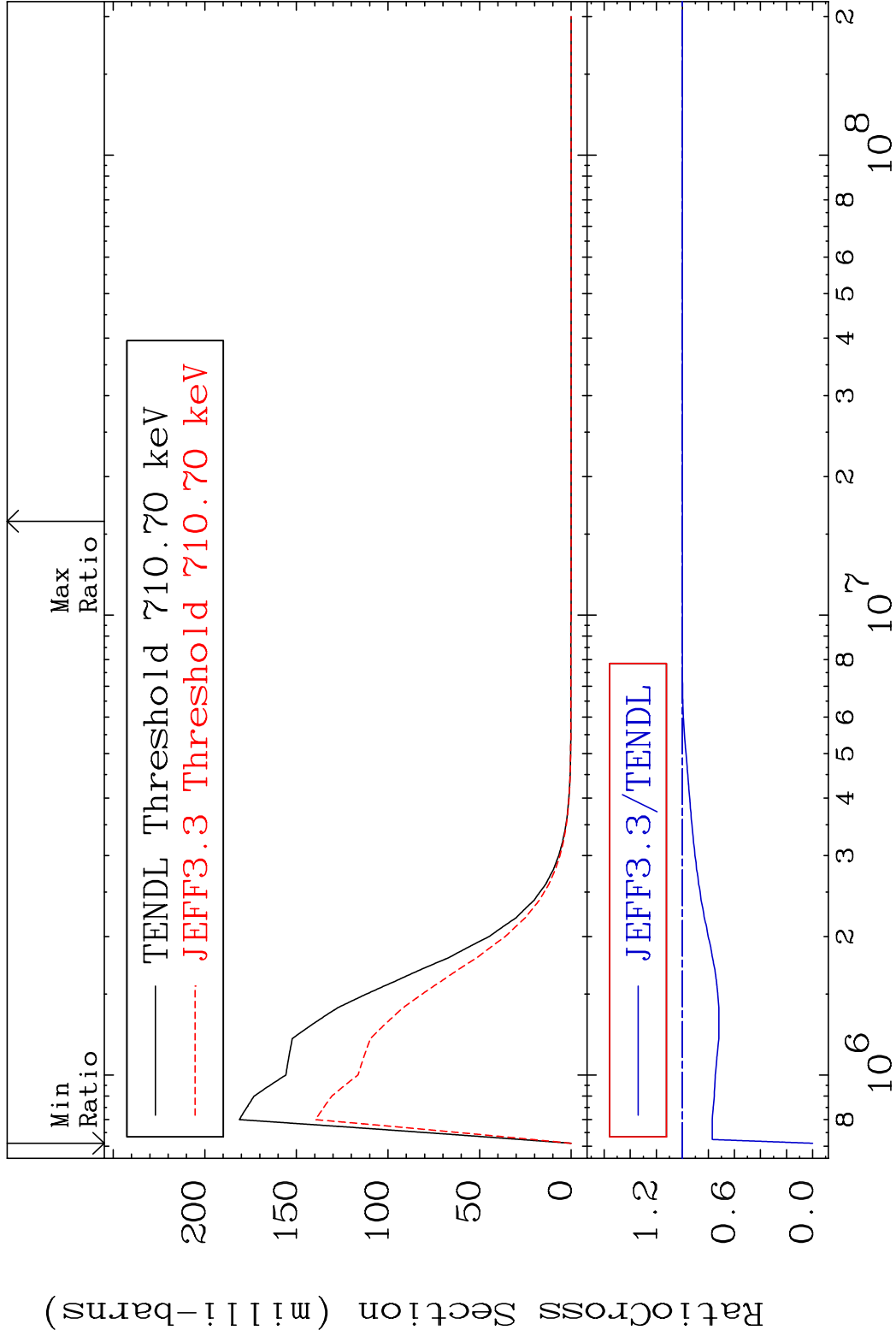
64-Gd-151

Cross Section

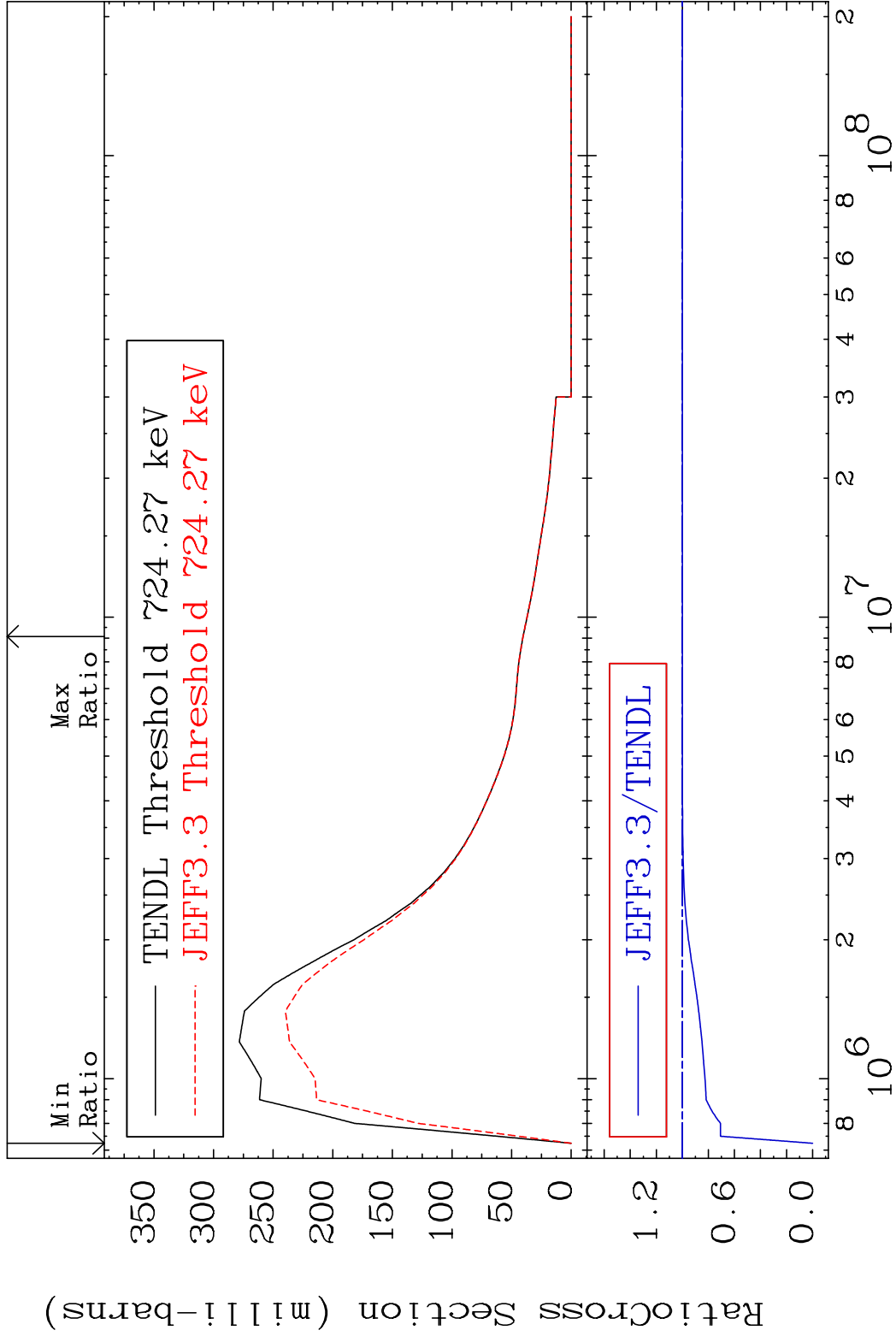
-100.0 To 0.000 %



MAT 6422      MT= 63 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 0.000 %



MAT 6422      MT= 64 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 0.000 %



34      Incident Energy (eV)      64-Gd-151

MAT 6422

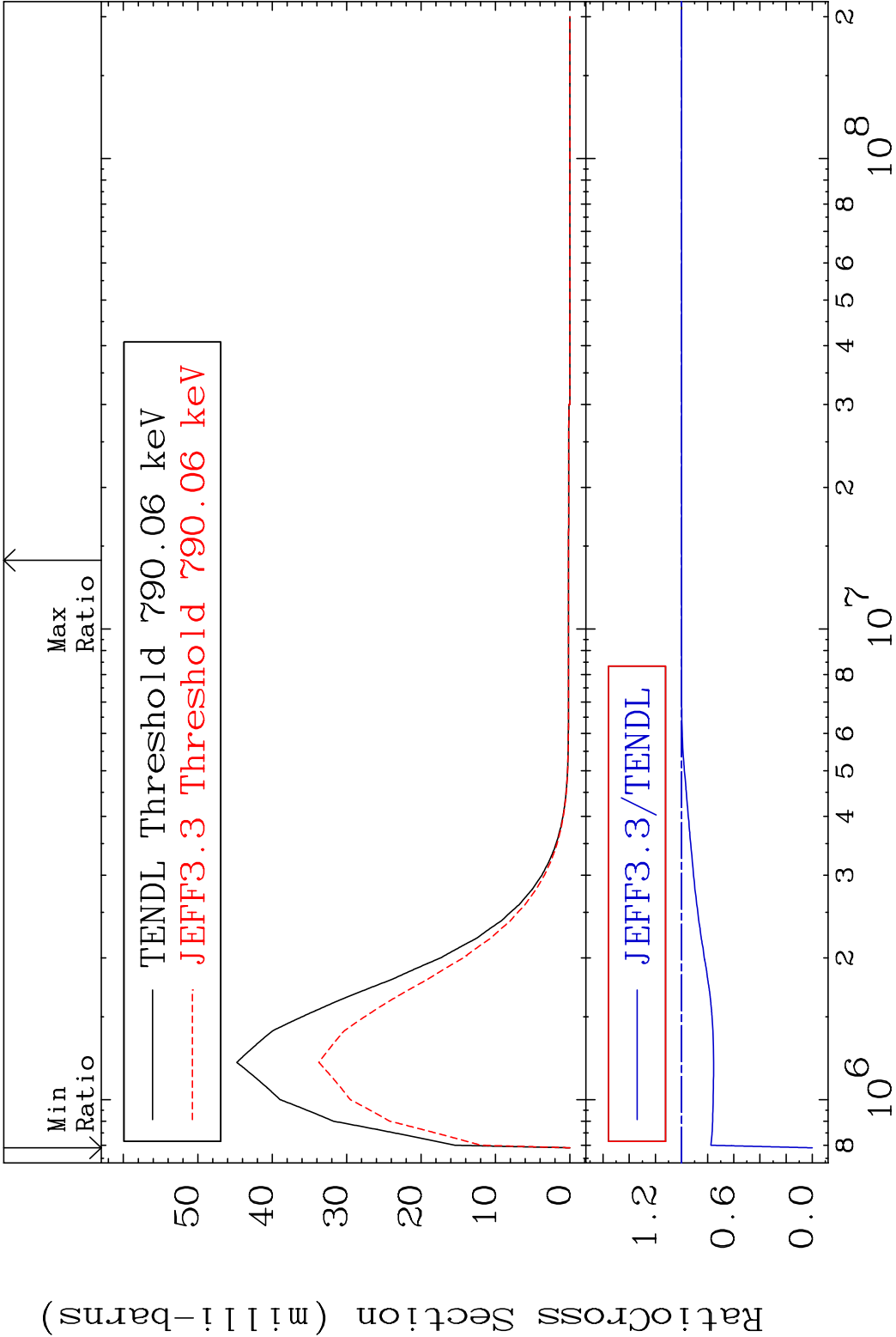
MT= 65 (n,n')

Level

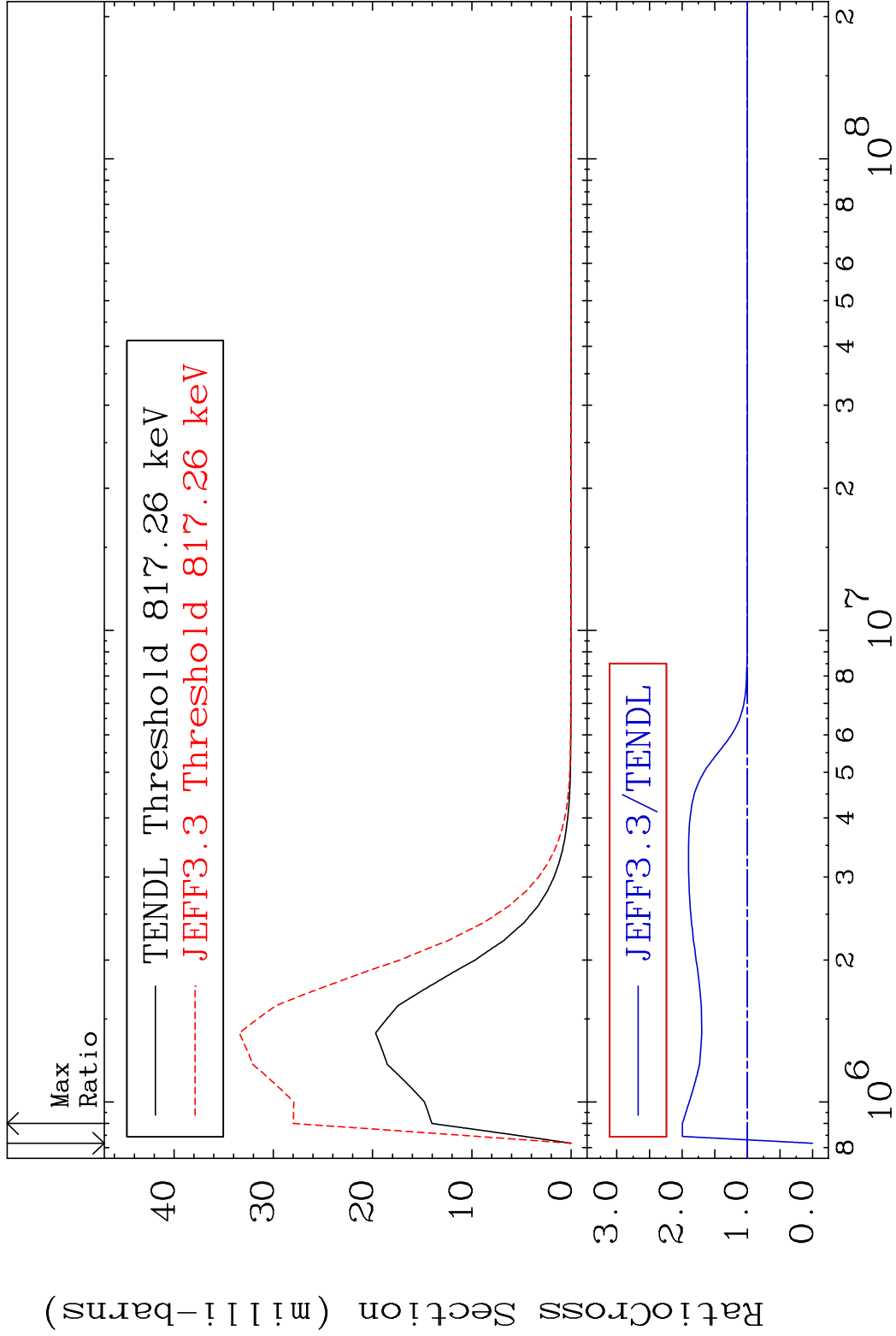
64-Gd-151

Cross Section

-100.0 To 0.000 %

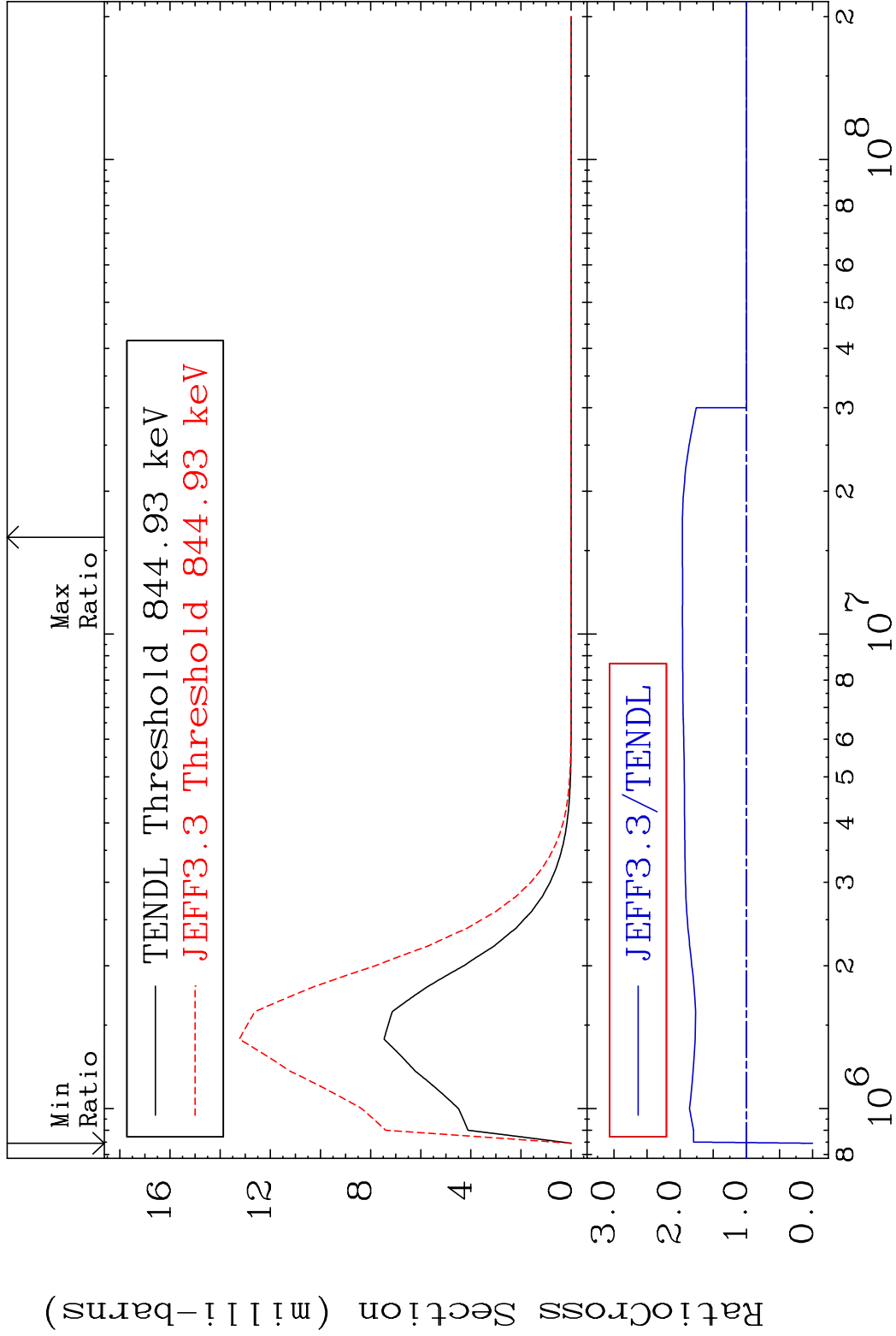


MAT 6422      MT= 66 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 99.55 %

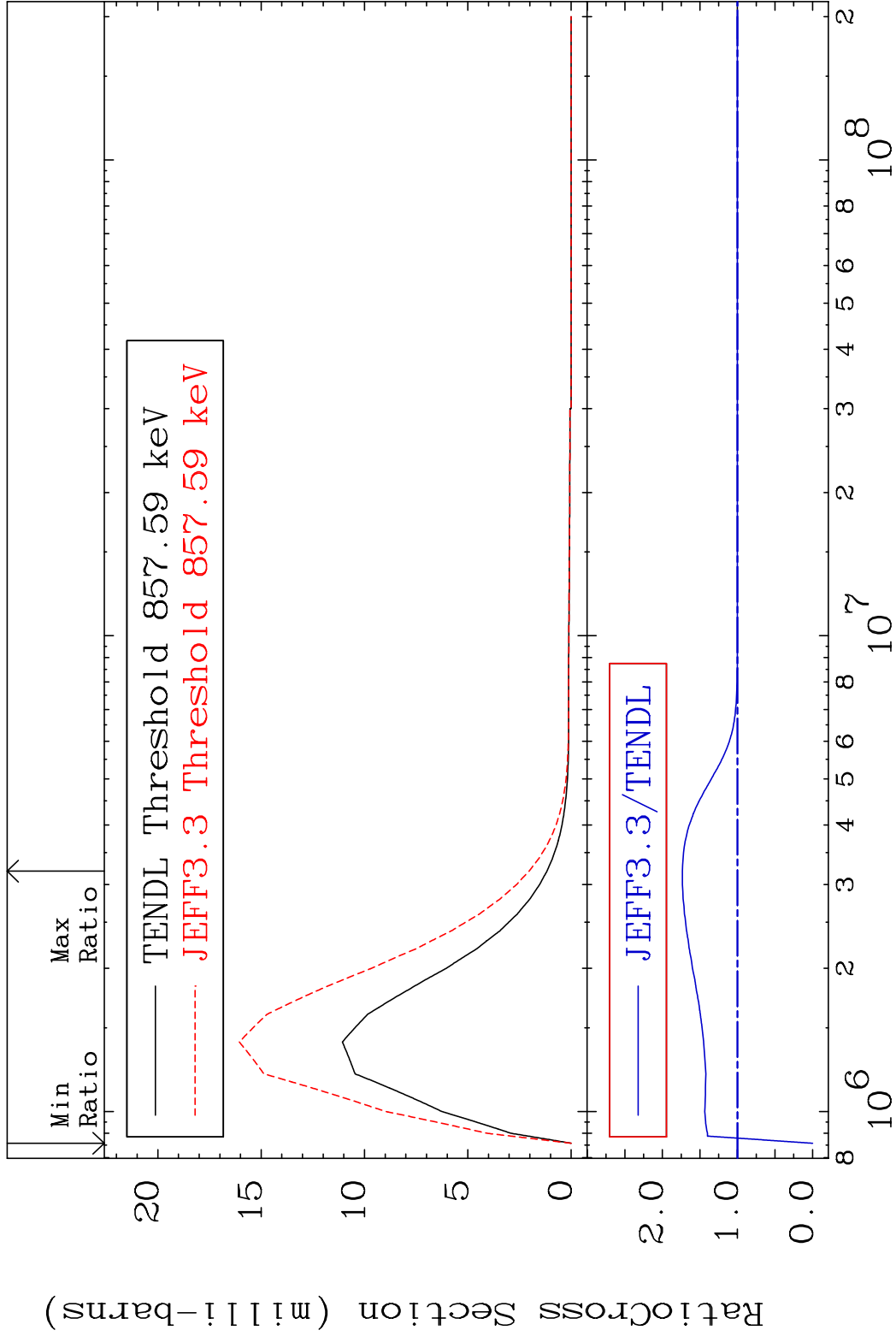


36      Incident Energy (eV)      64-Gd-151

MAT 6422      MT= 67 (n,n') Level      64-Gd-151  
Cross Section      -100.0 To 96.72 %

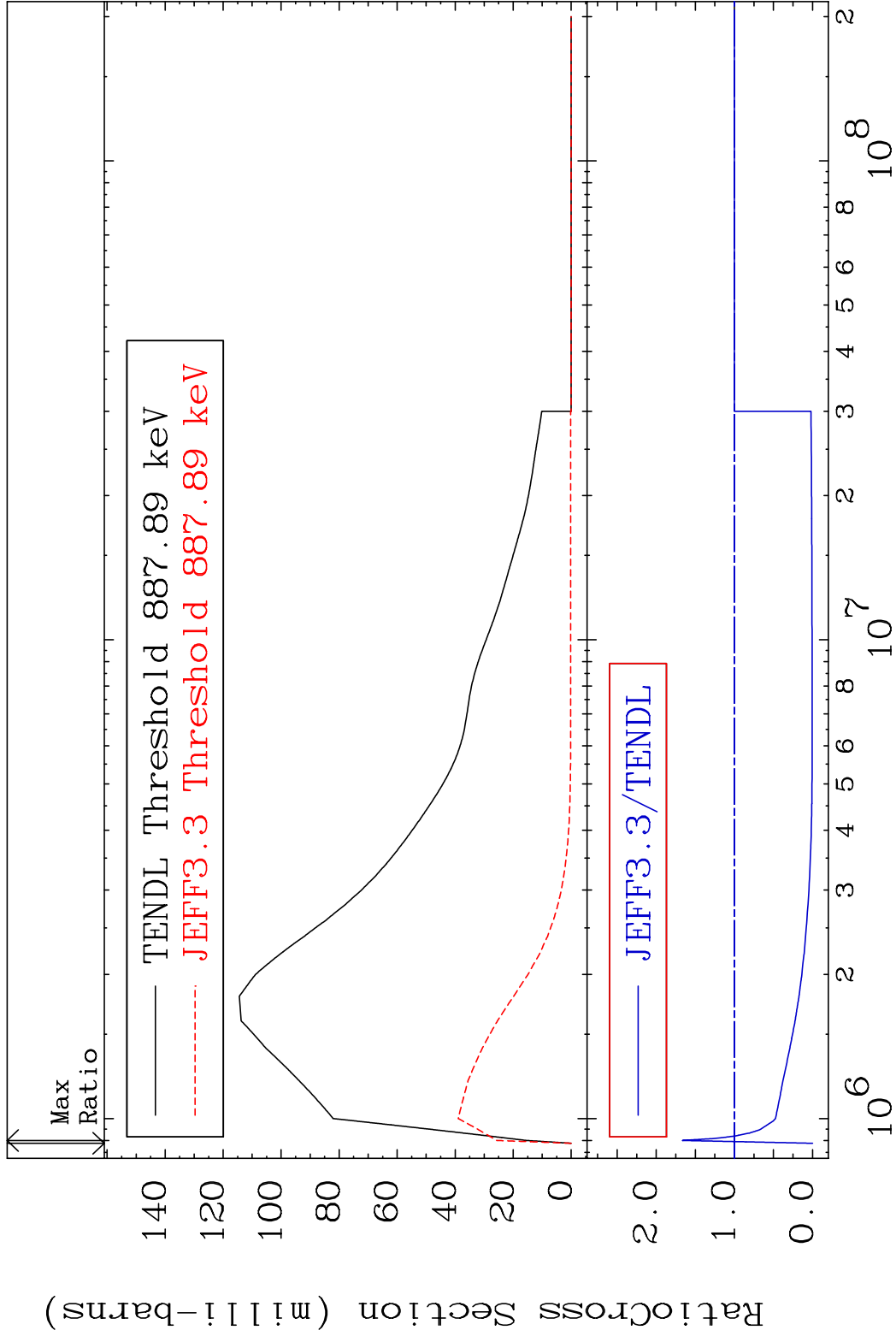


MAT 6422 MT= 68 (n,n') Level 64-Gd-151  
Cross Section -100.0 To 73.38 %



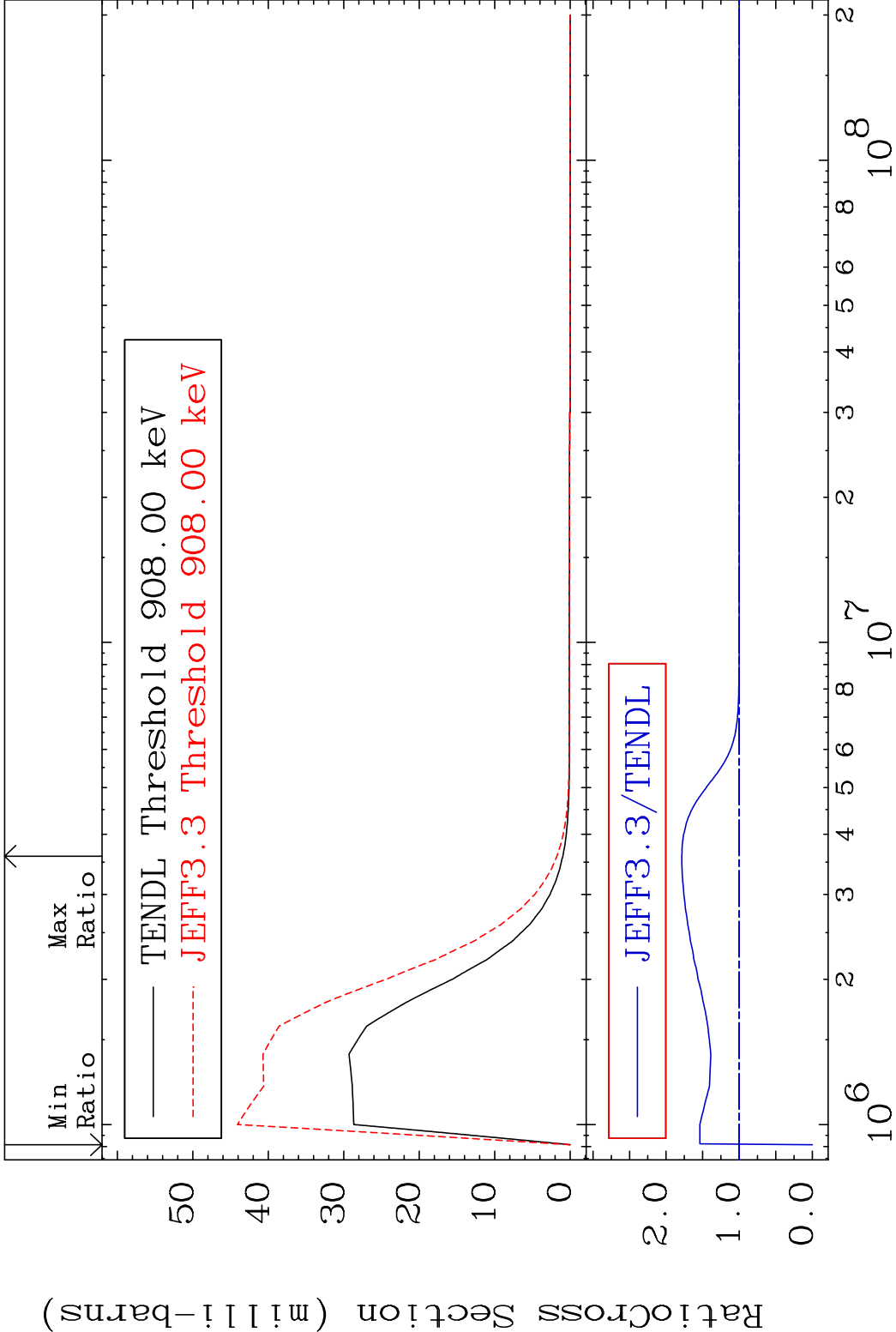
38 Incident Energy (eV) 64-Gd-151

MAT 6422      MT= 69 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 66.62 %

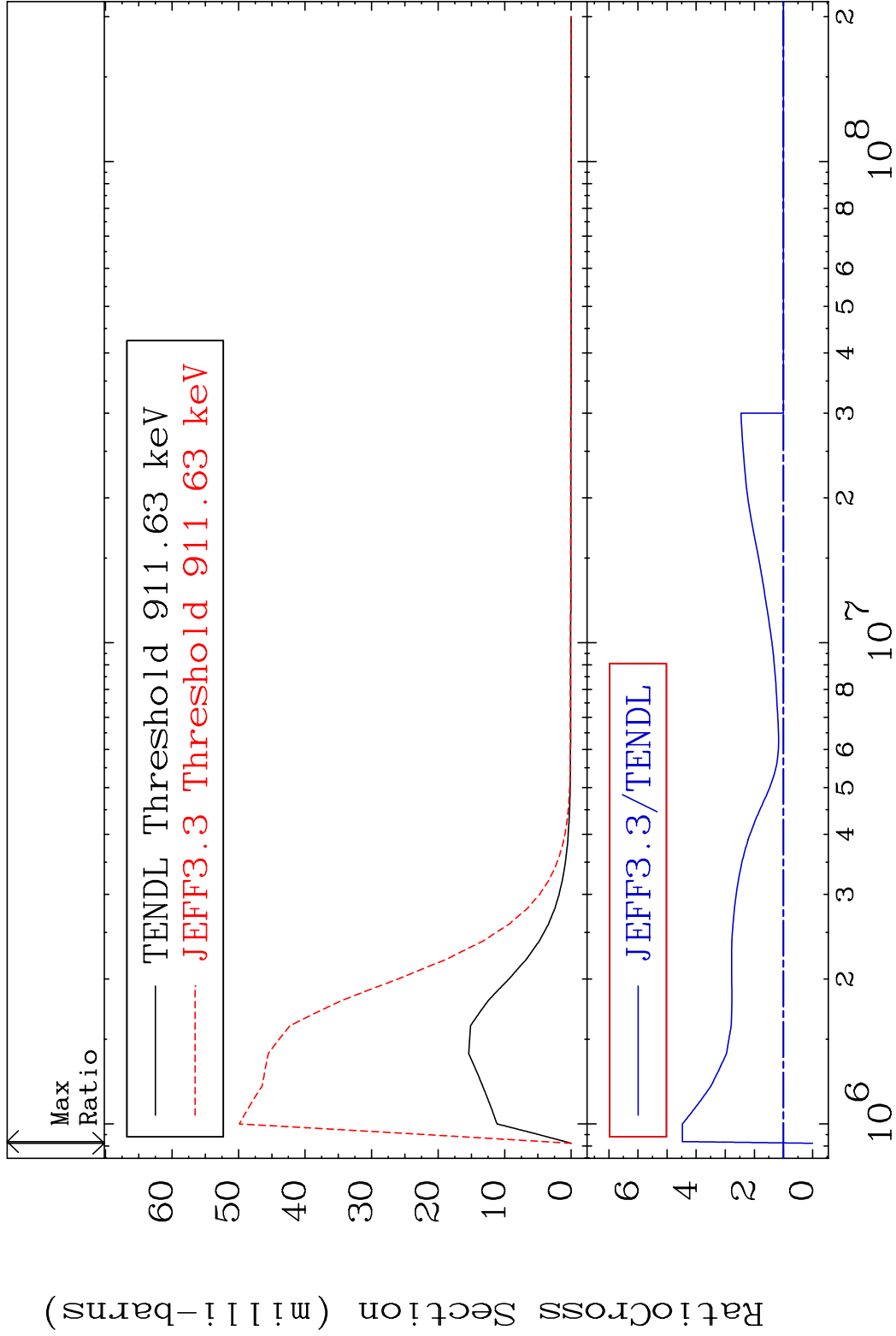


39      Incident Energy (eV)      64-Gd-151

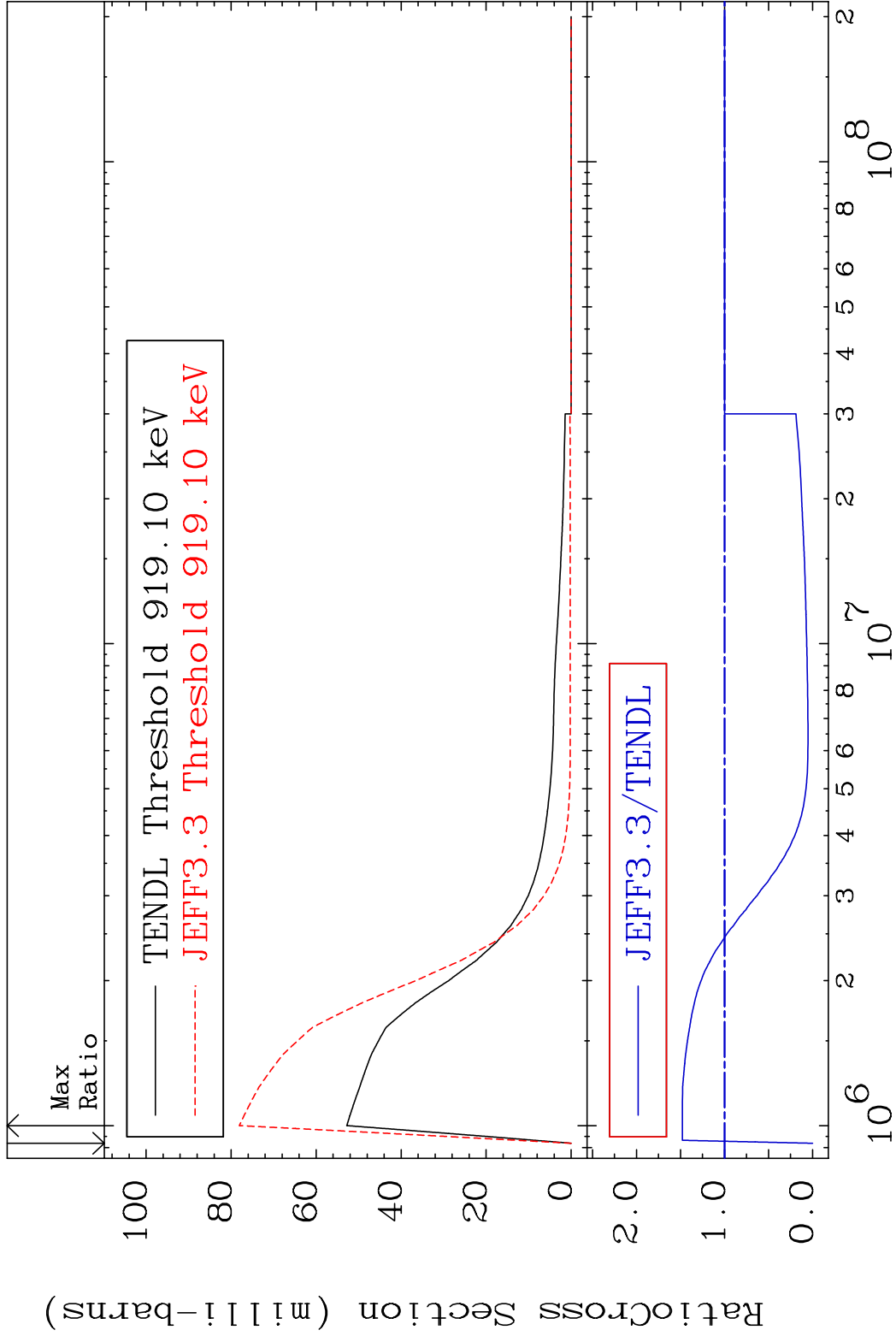
MAT 6422      MT= 70 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 78.59 %



MAT 6422      MT= 71 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 347.4 %

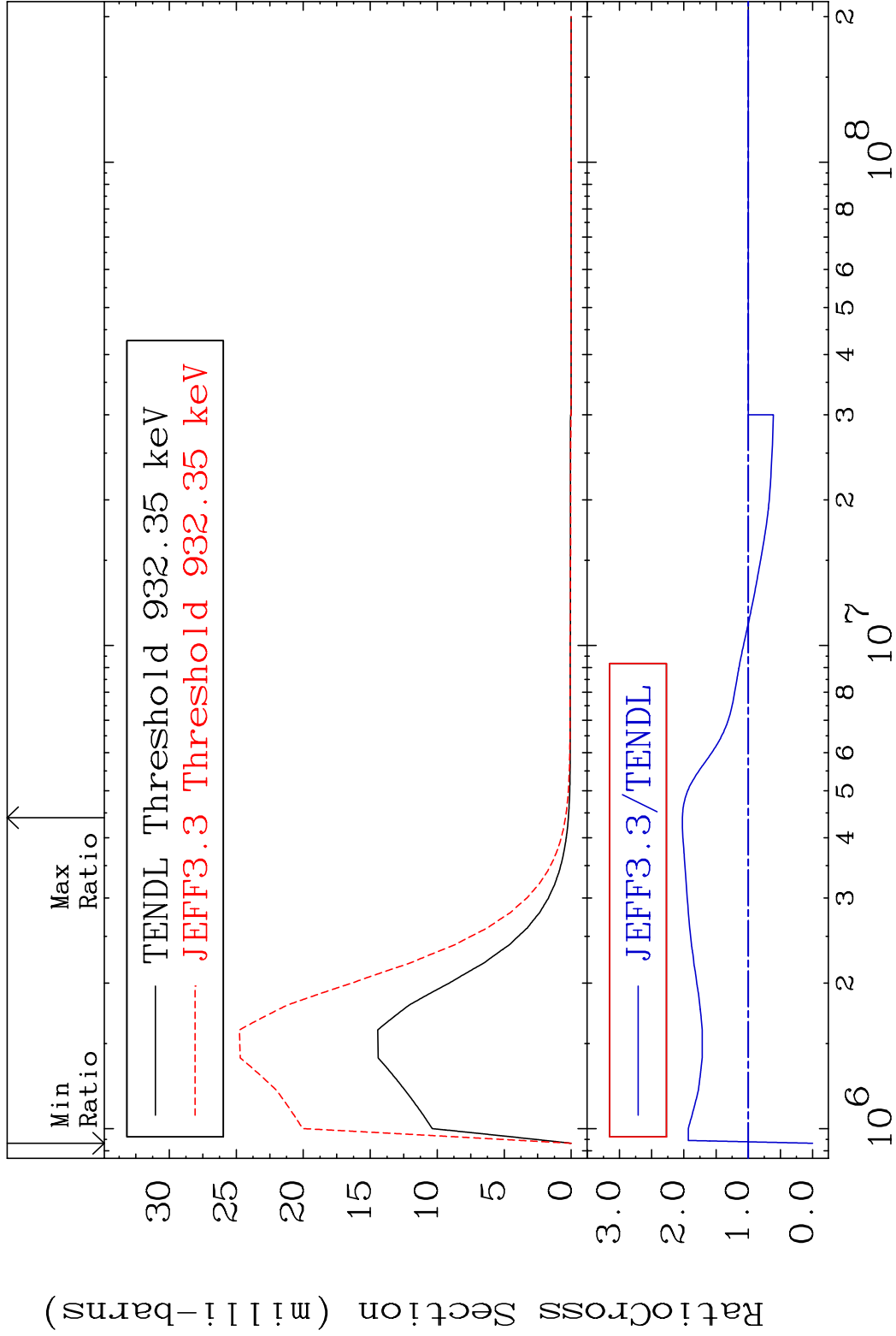


MAT 6422      MT= 72 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 47.88 %



42      Incident Energy (eV)      64-Gd-151

MAT 6422      MT= 73 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 102.3 %

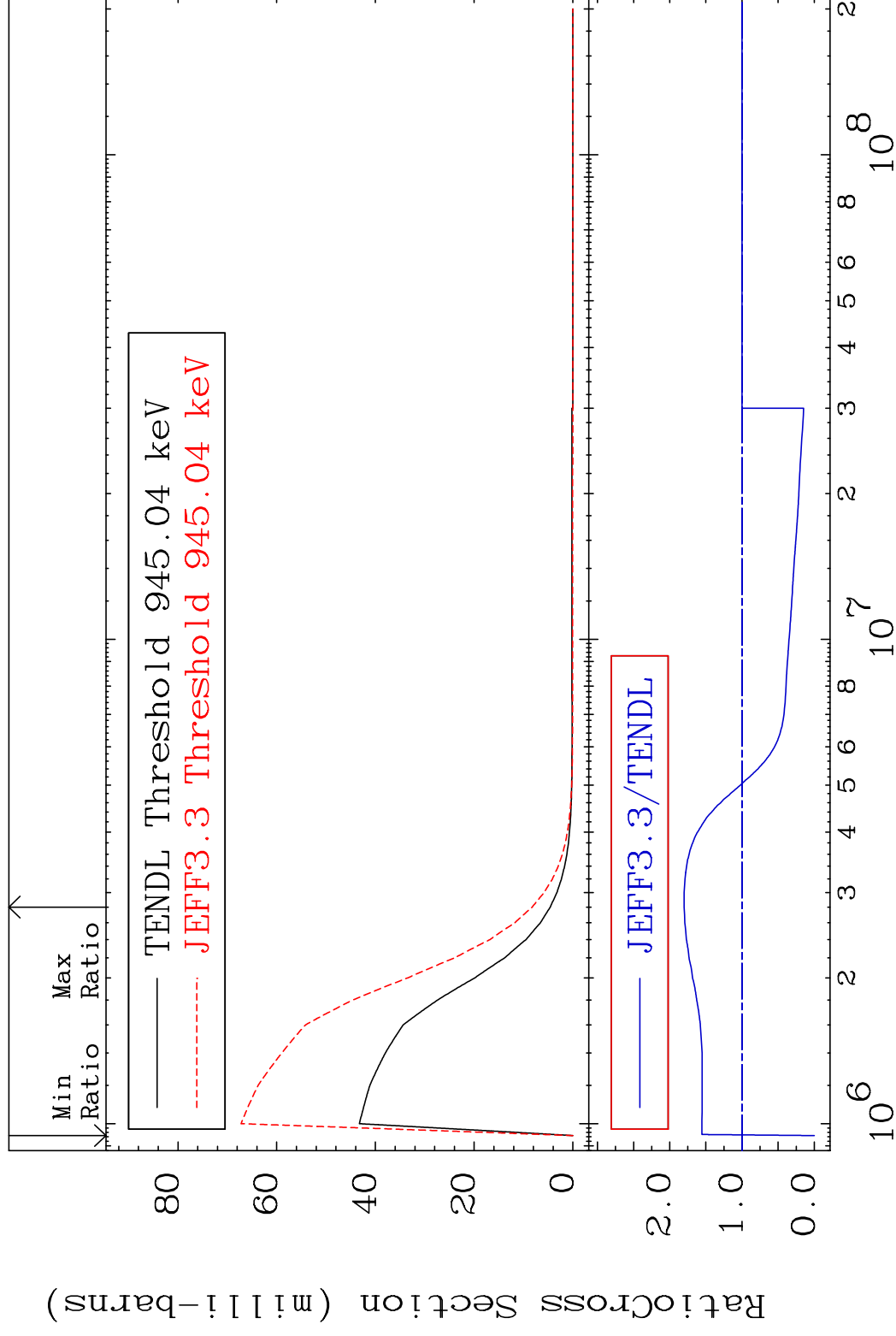


MAT 6422

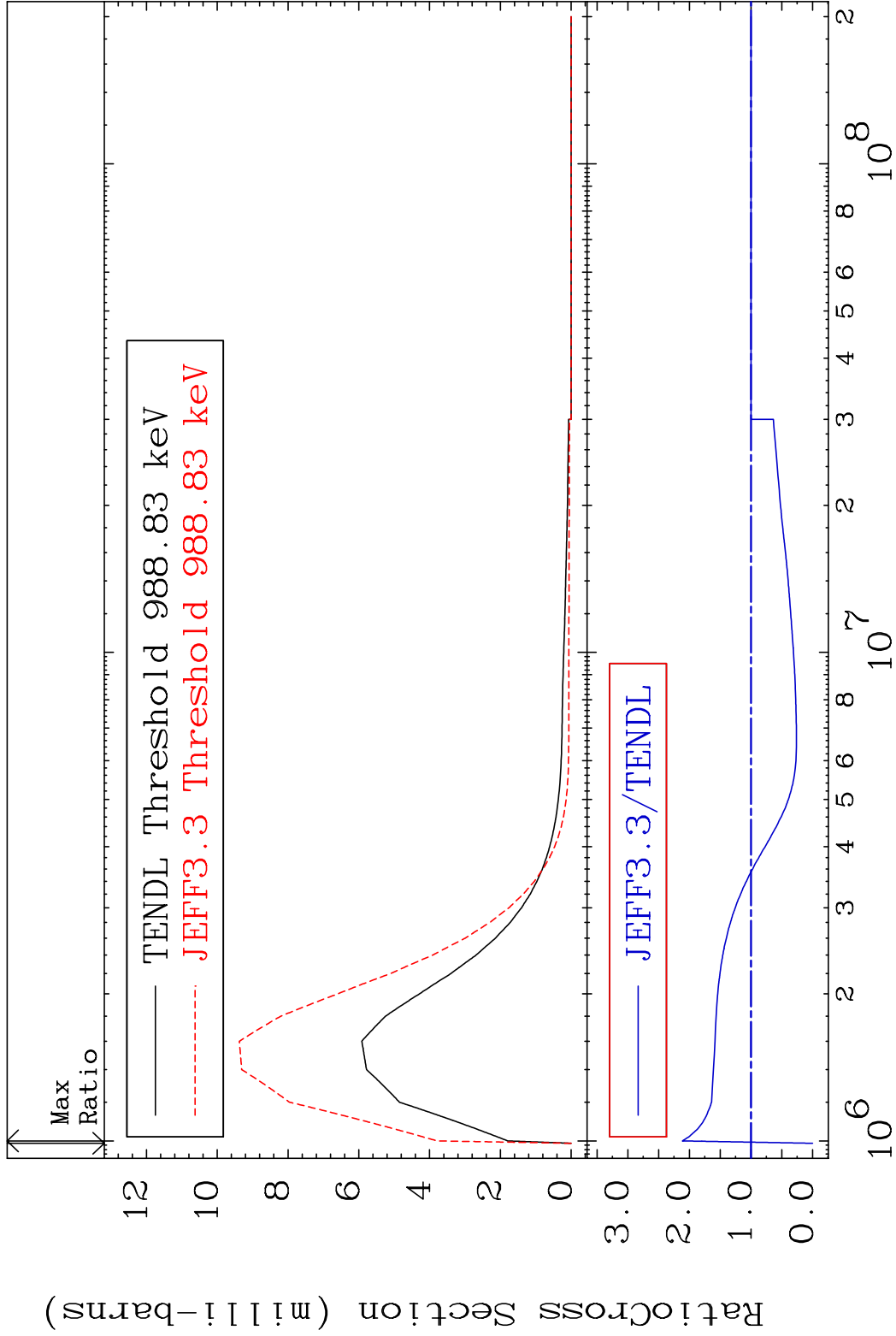
MT=74 (n, n') Level

64-Gd-151

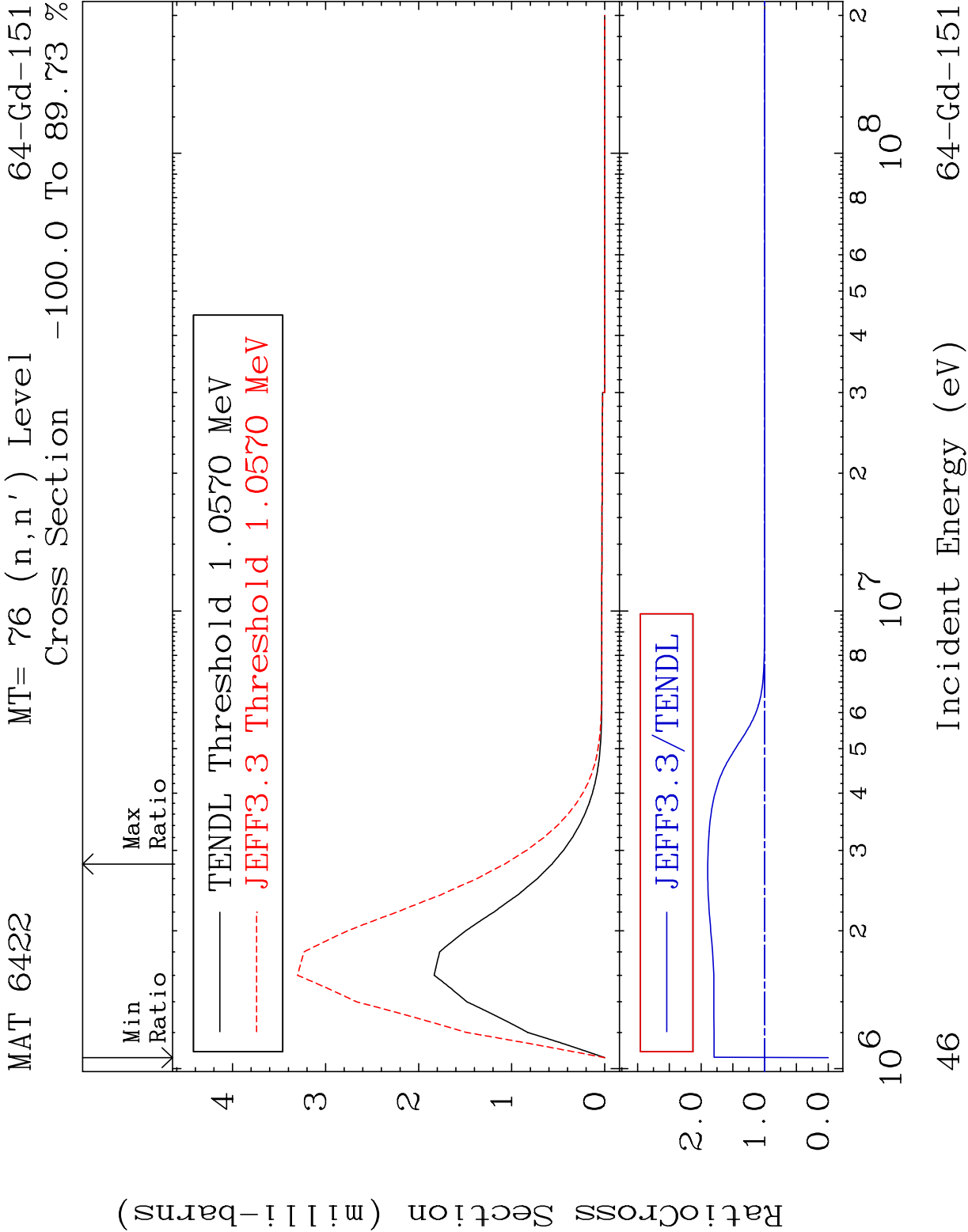
Cross Section  $-100.0$  To  $80.17$  %



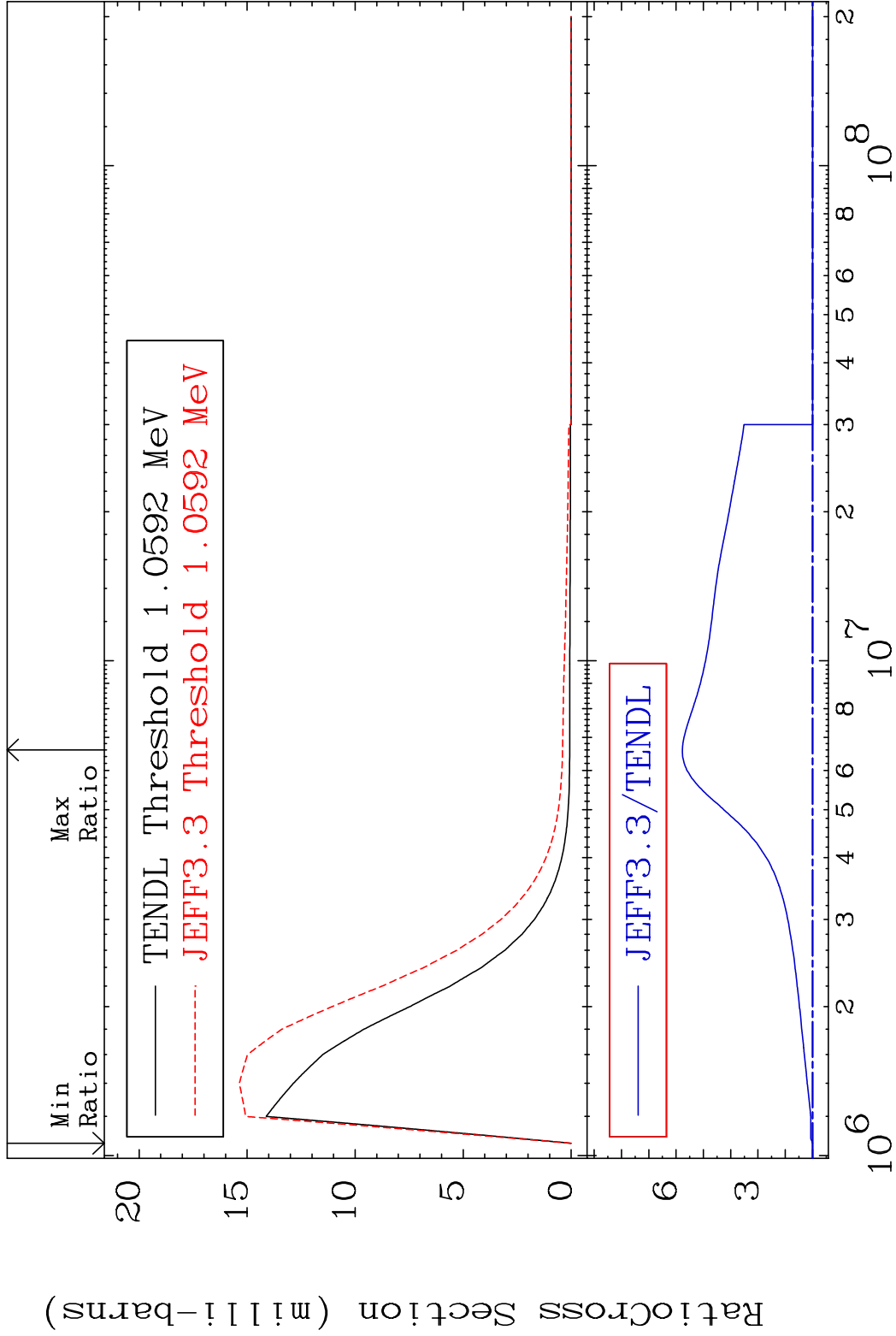
MAT 6422      MT= 75 (n,n') Level      64-Gd-151  
Cross Section    -100.0 To 111.4 %



45      Incident Energy (eV)      64-Gd-151

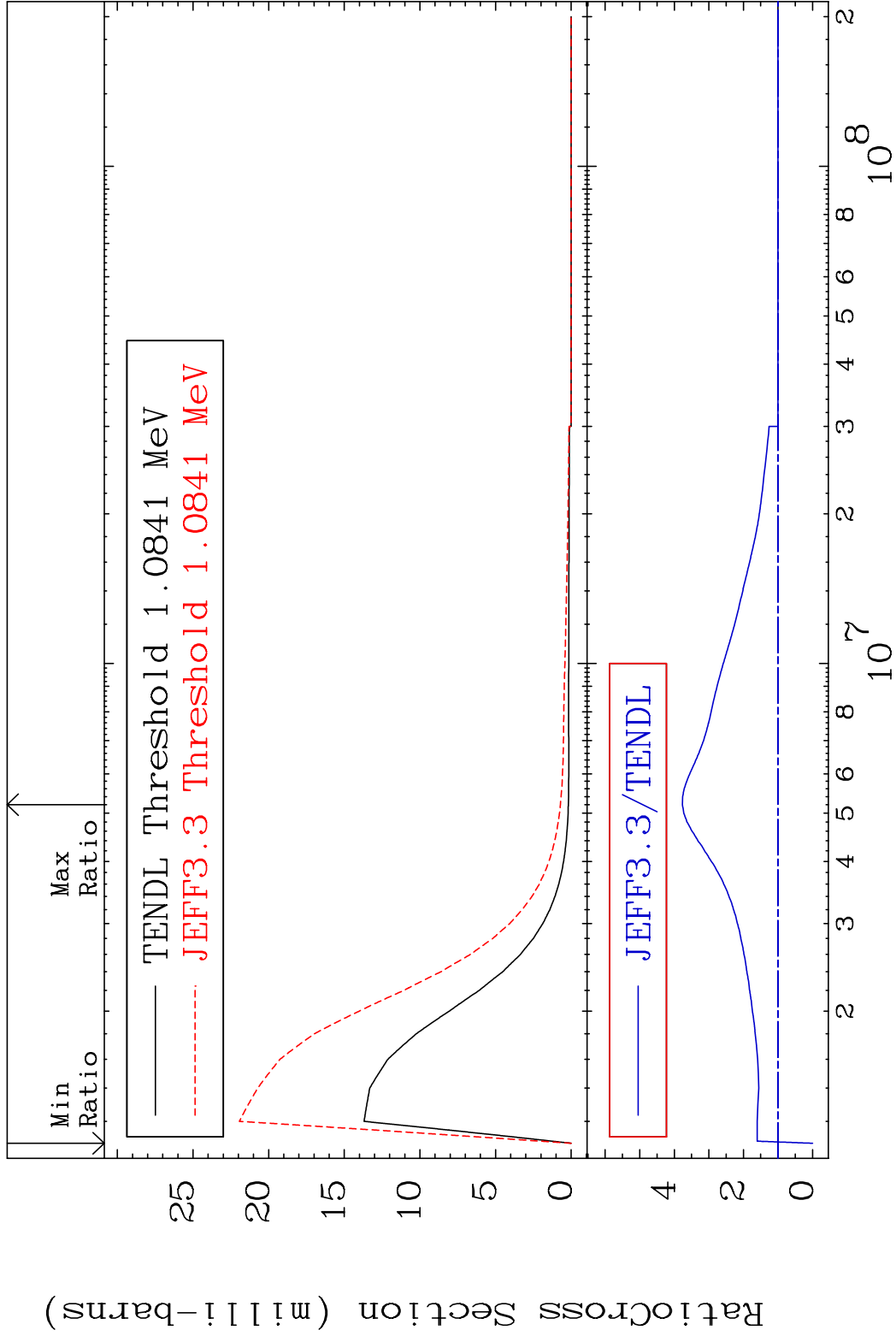


MAT 6422      MT= 77 (n,n') Level      64-Gd-151  
Cross Section    0.000    To 477.0 %

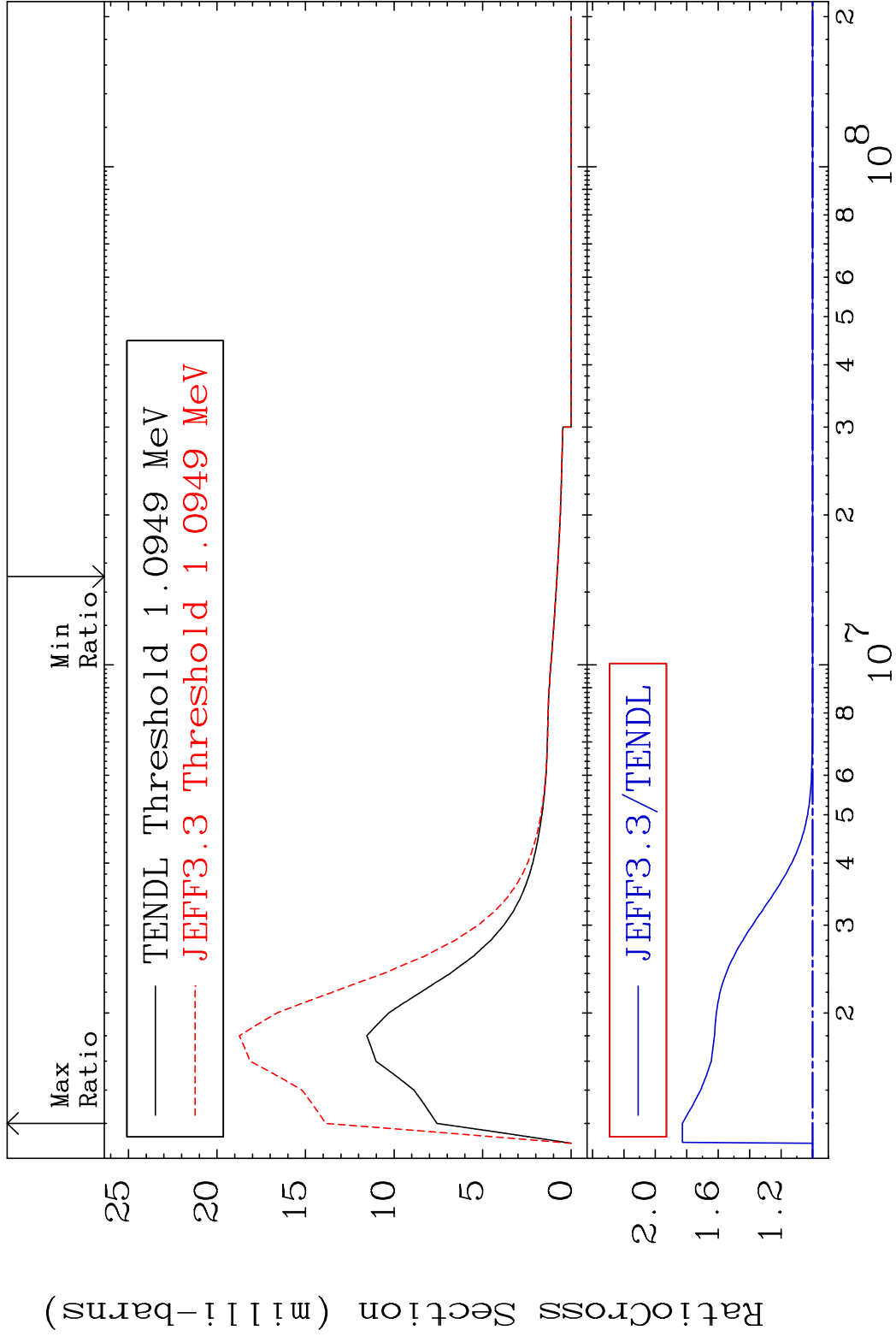


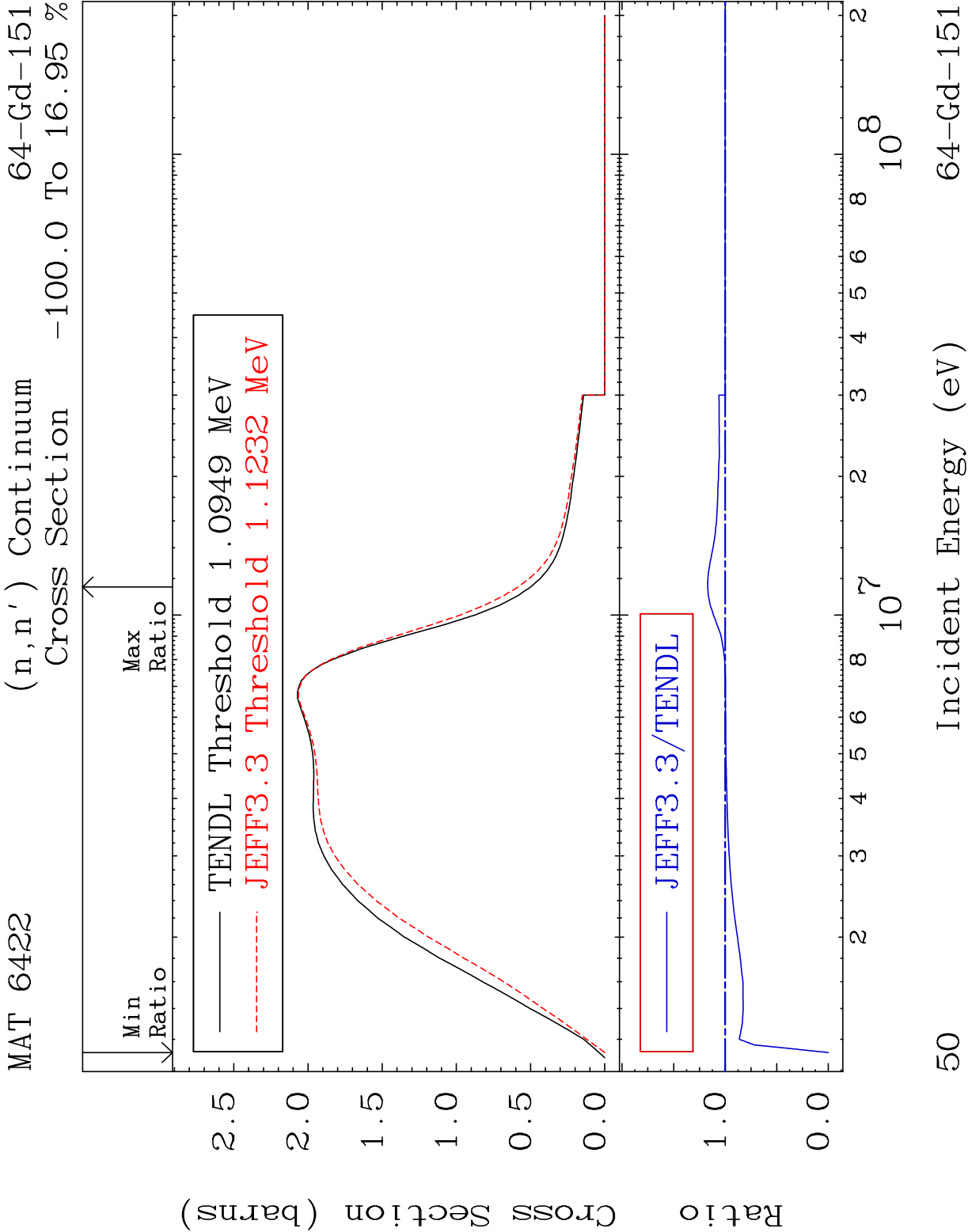
47      Incident Energy (eV)      64-Gd-151

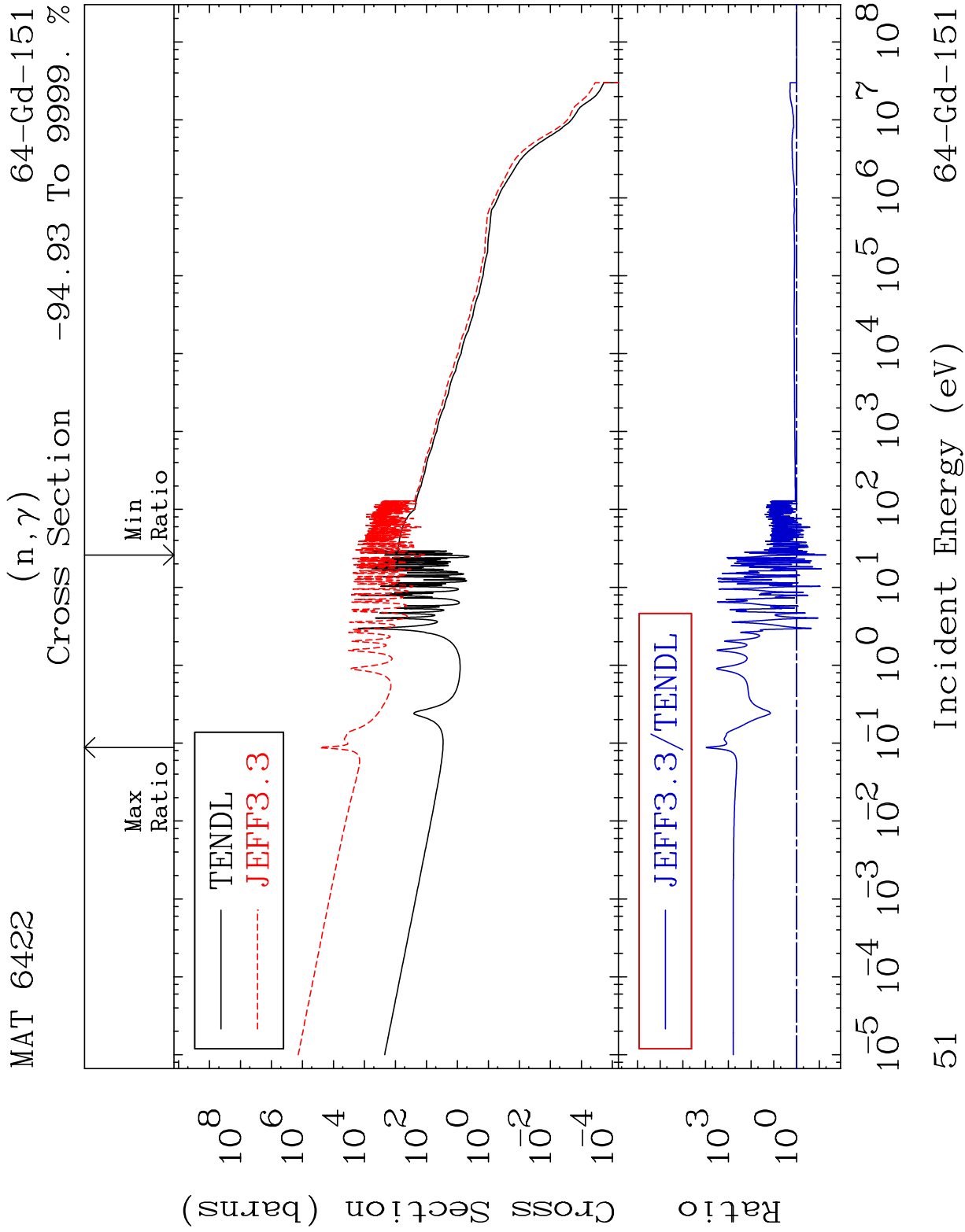
MAT 6422      MT= 78 (n,n') Level      64-Gd-151  
Cross Section      -100.0 To 276.7 %

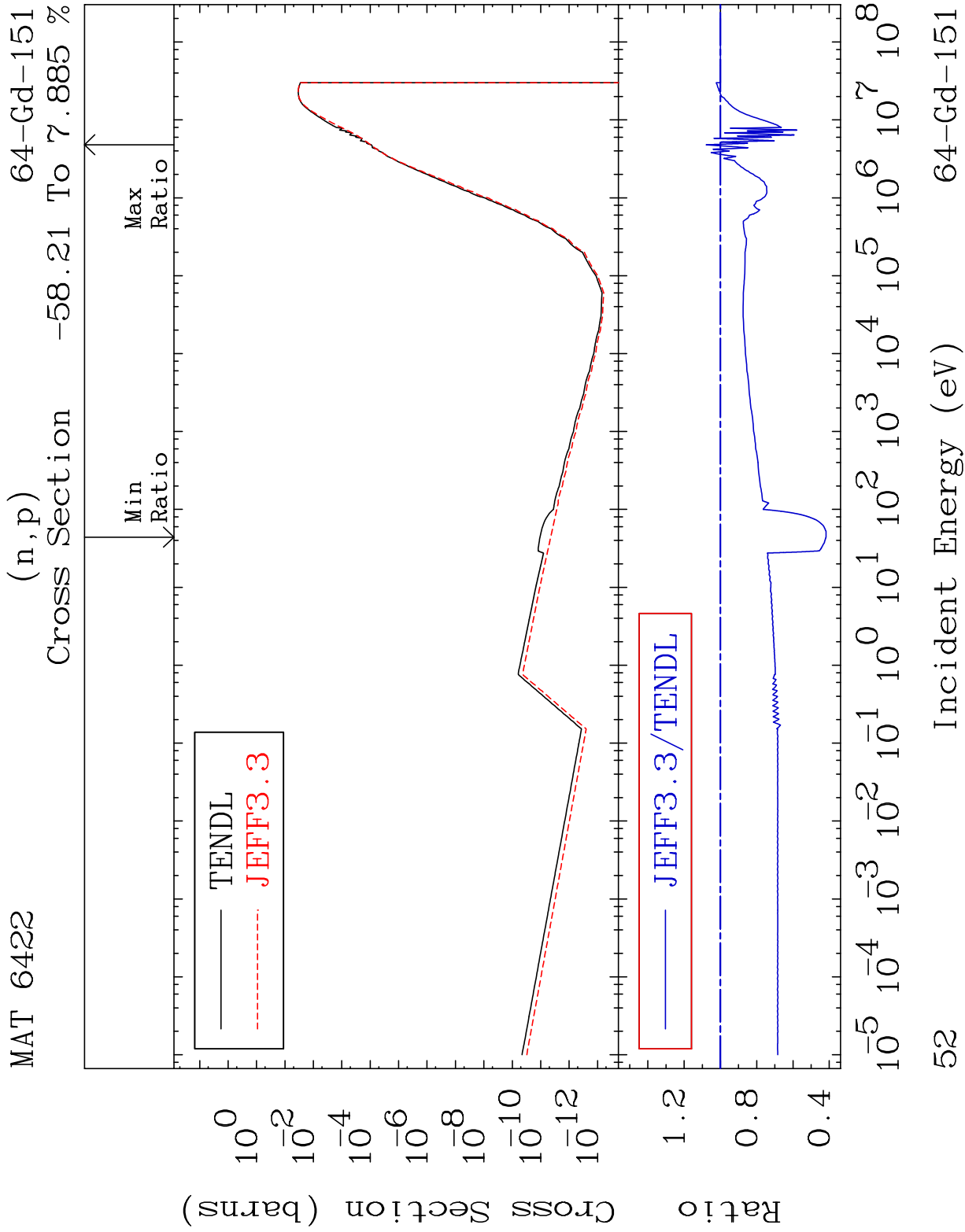


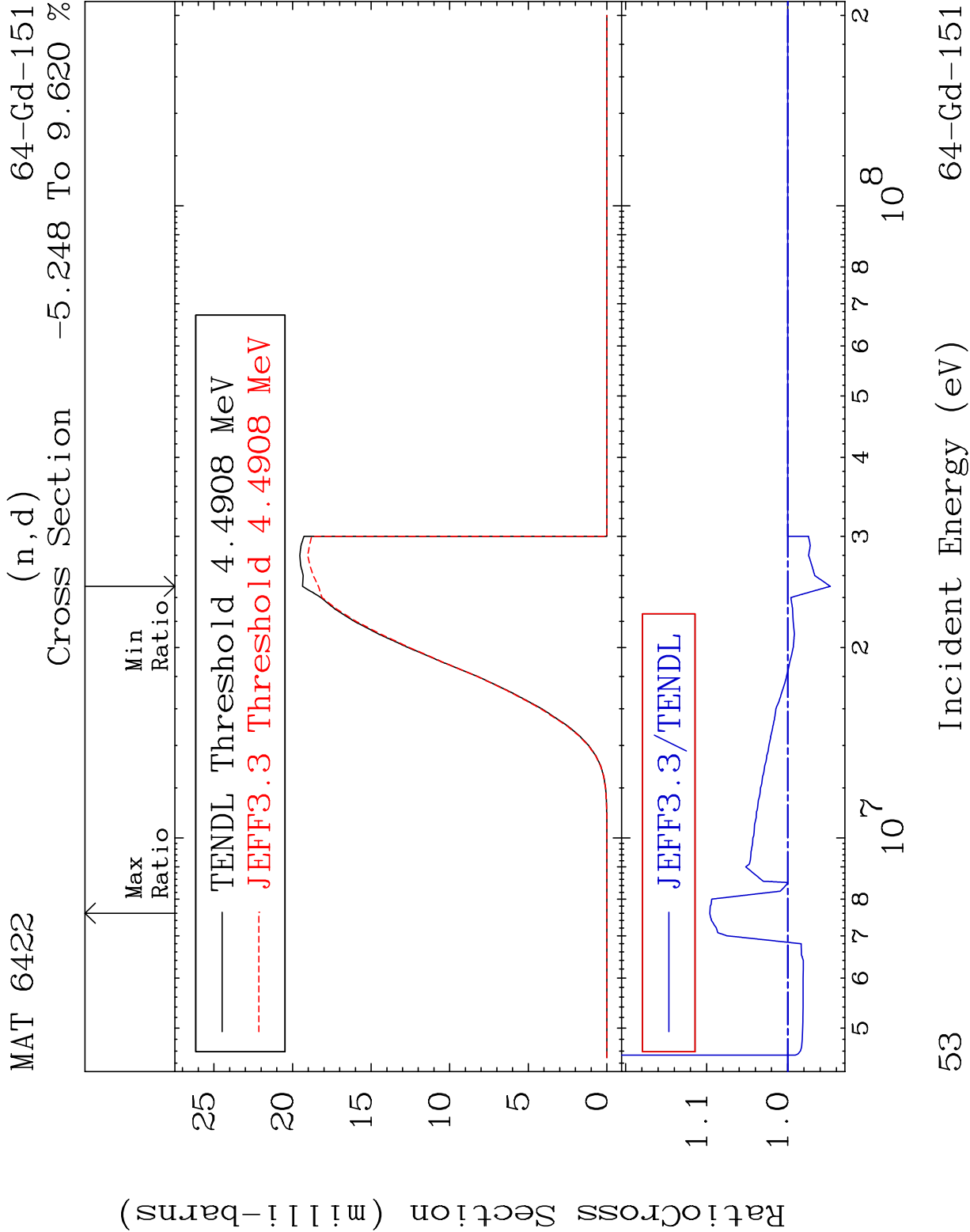
MAT 6422      MT= 79 (n,n') Level      64-Gd-151  
Cross Section    0.000    To 82.82 %

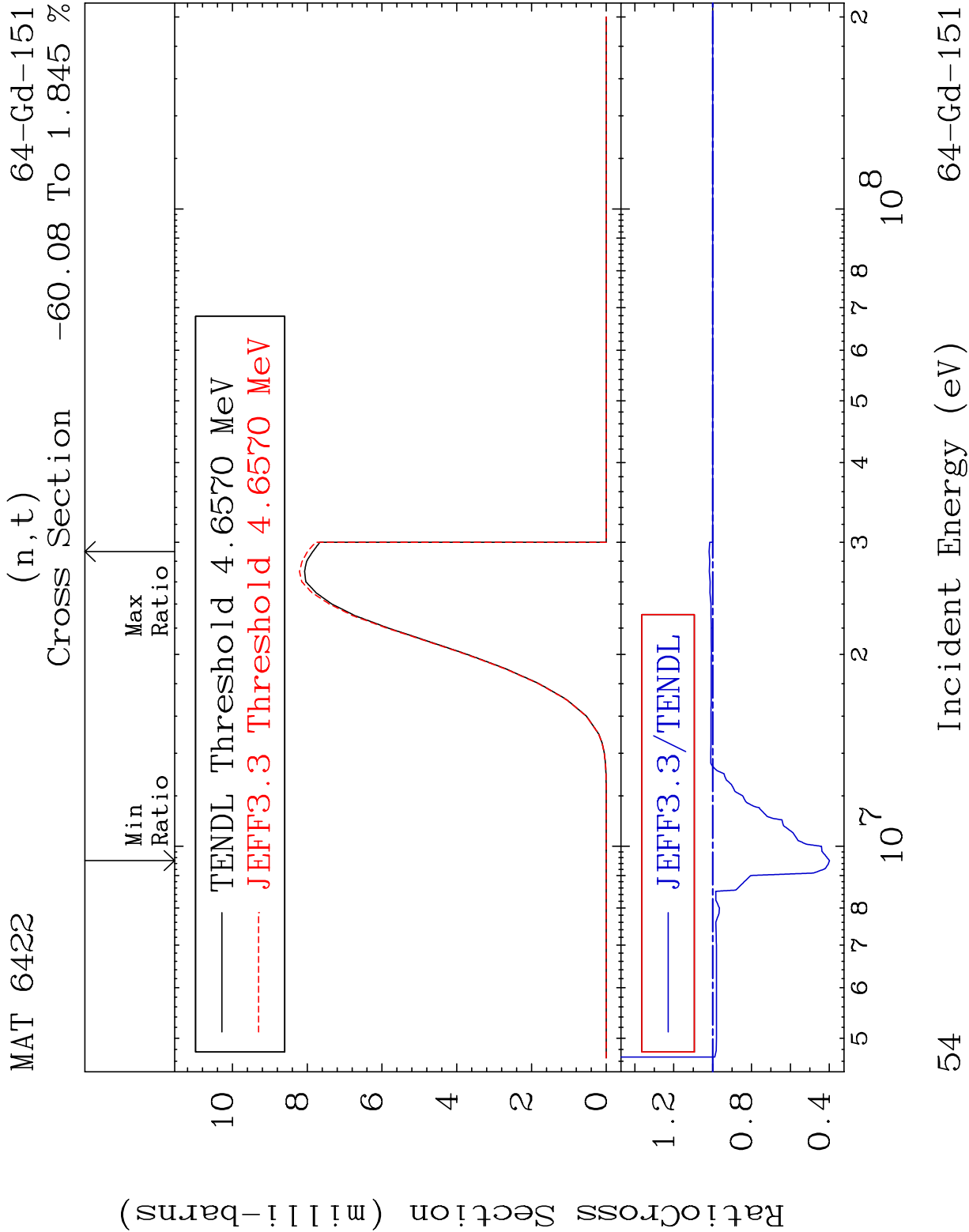


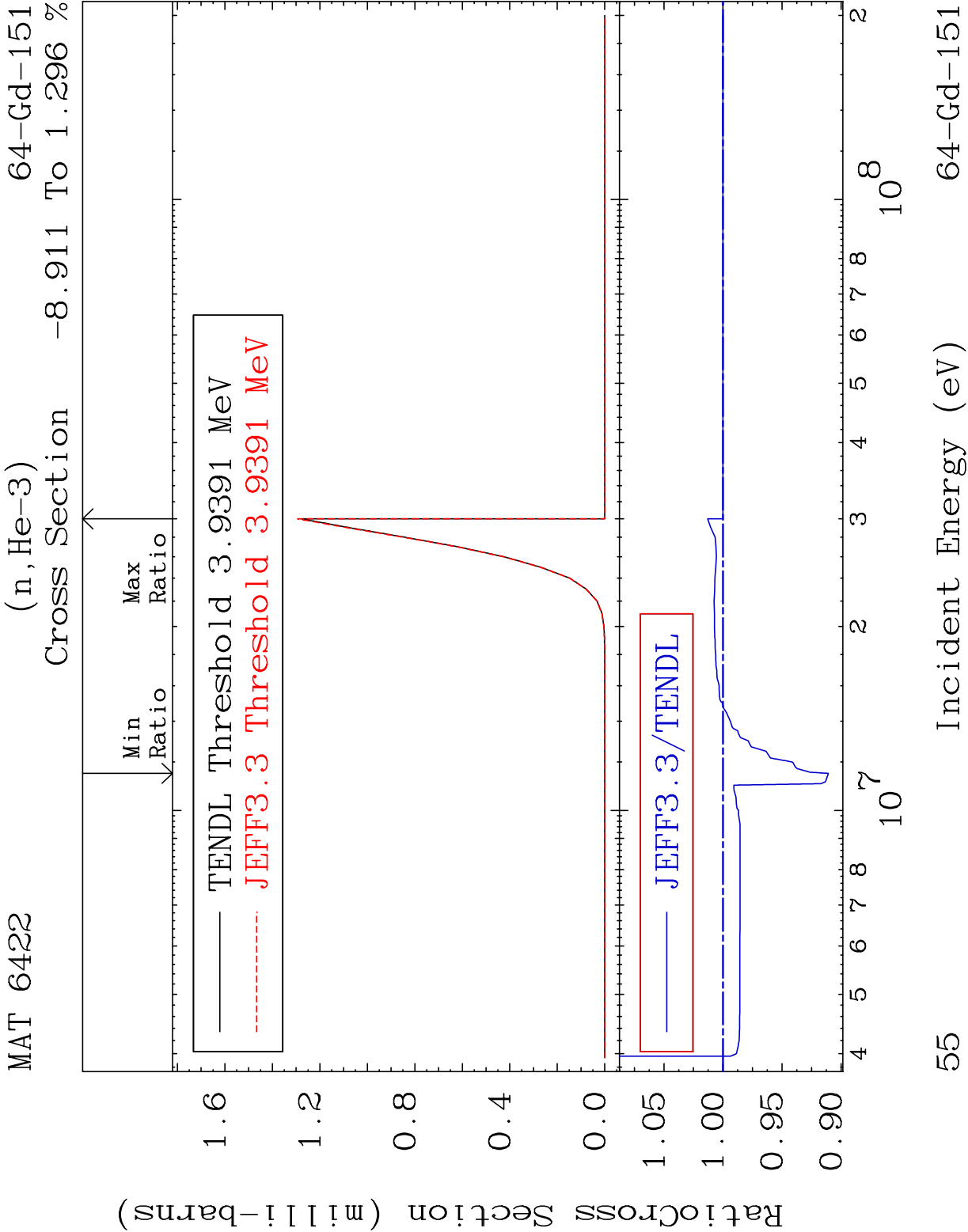










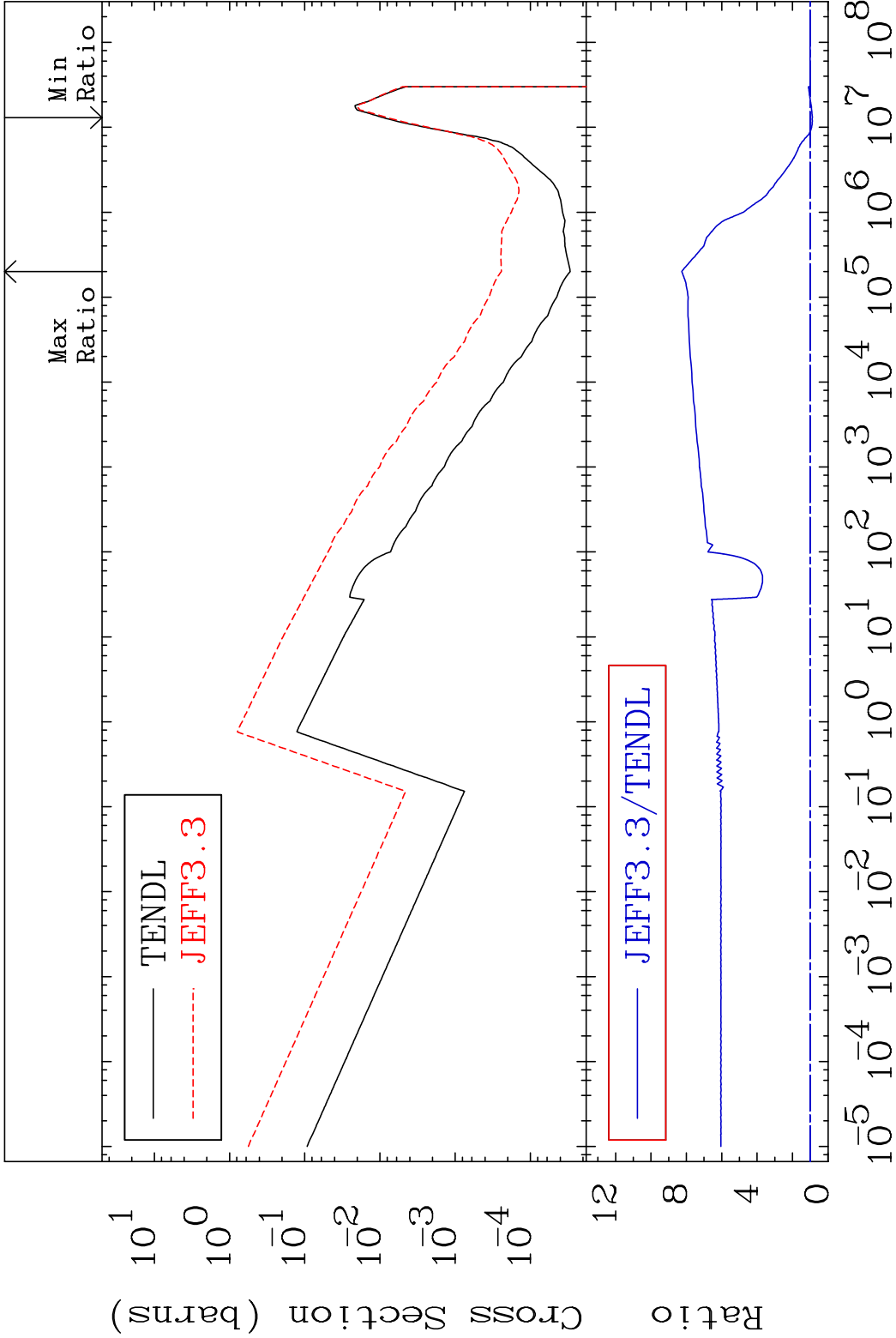


MAT 6422

(n,  $\alpha$ )

64-Gd-151

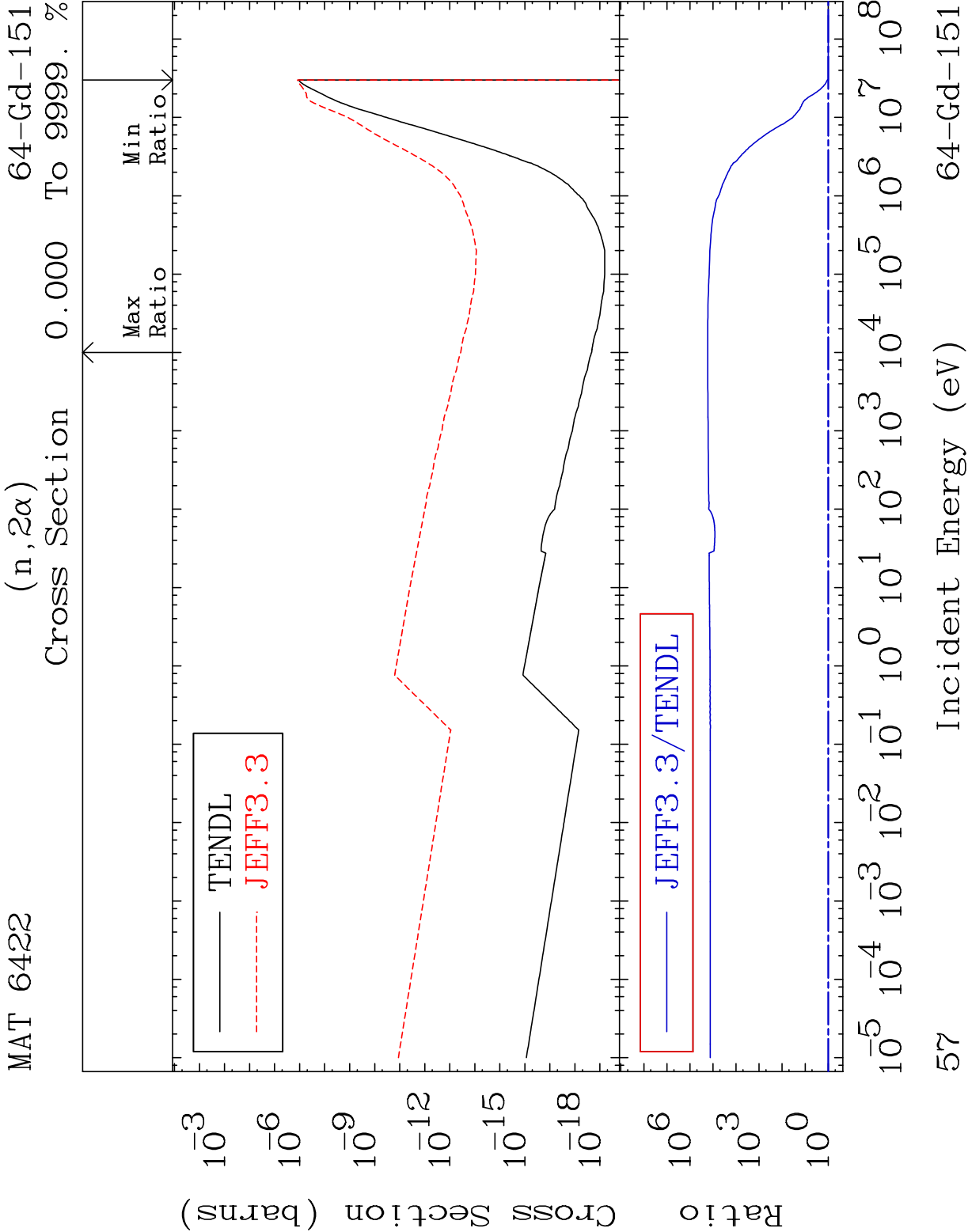
Cross Section      -12.11    To 726.0 %

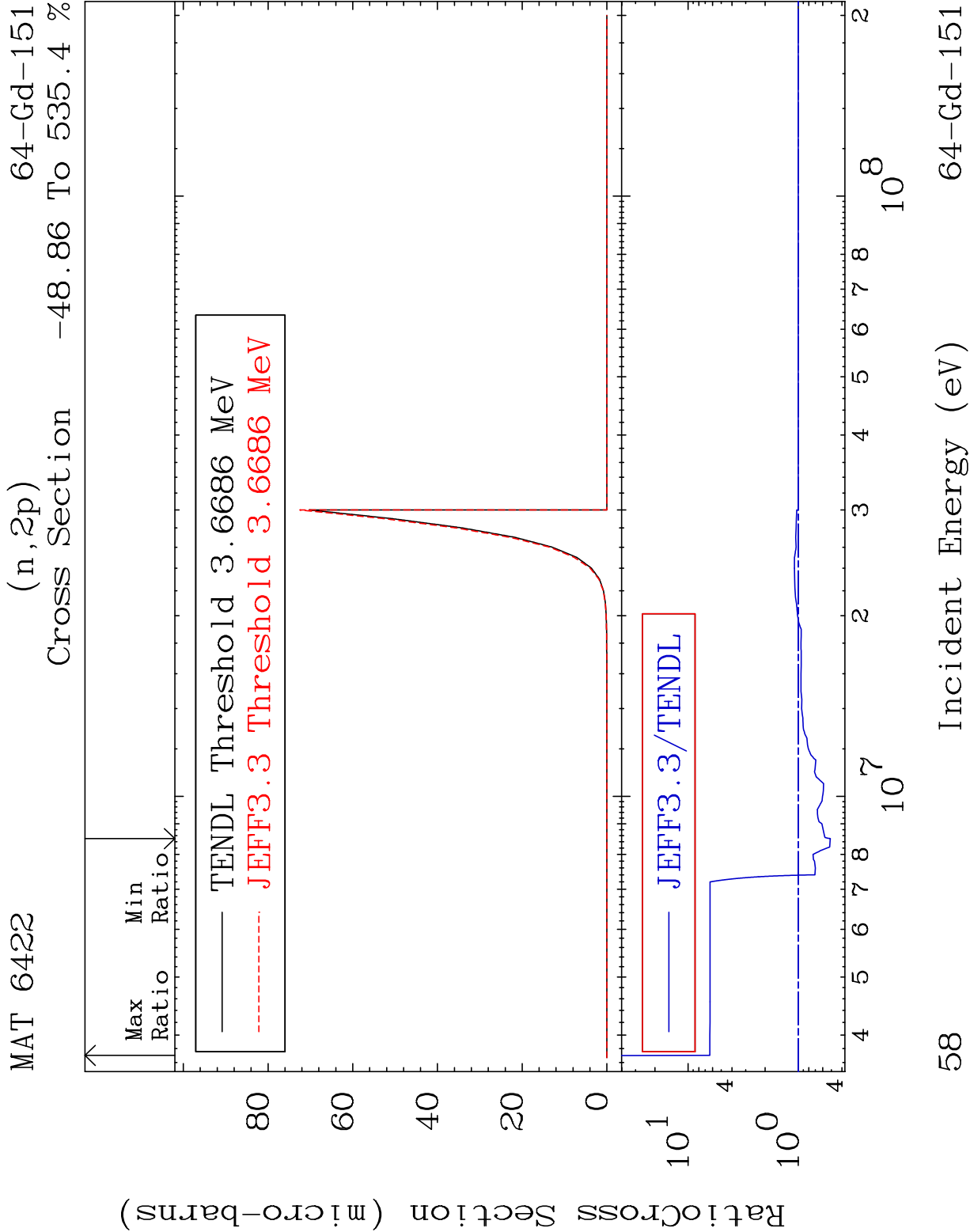


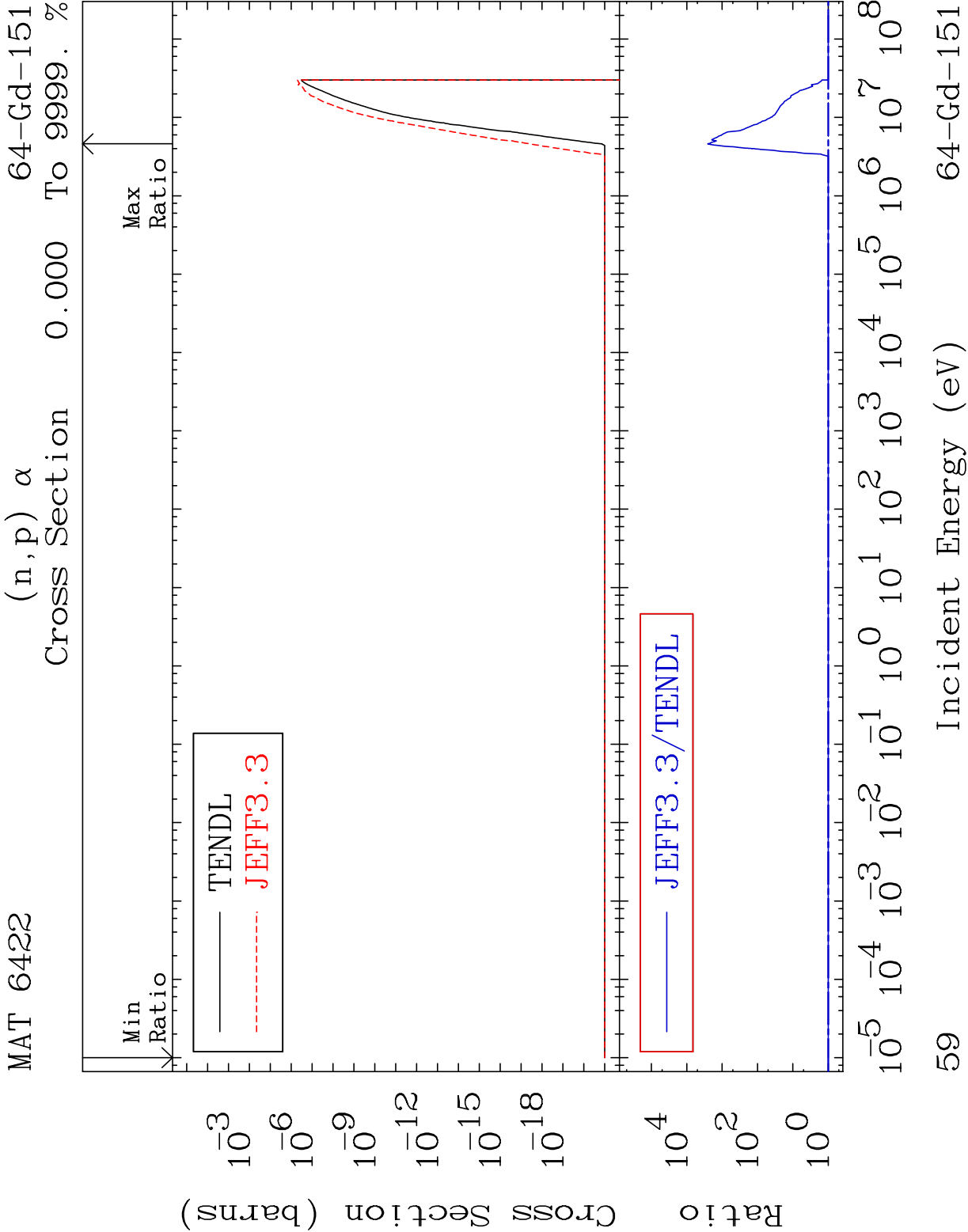
56

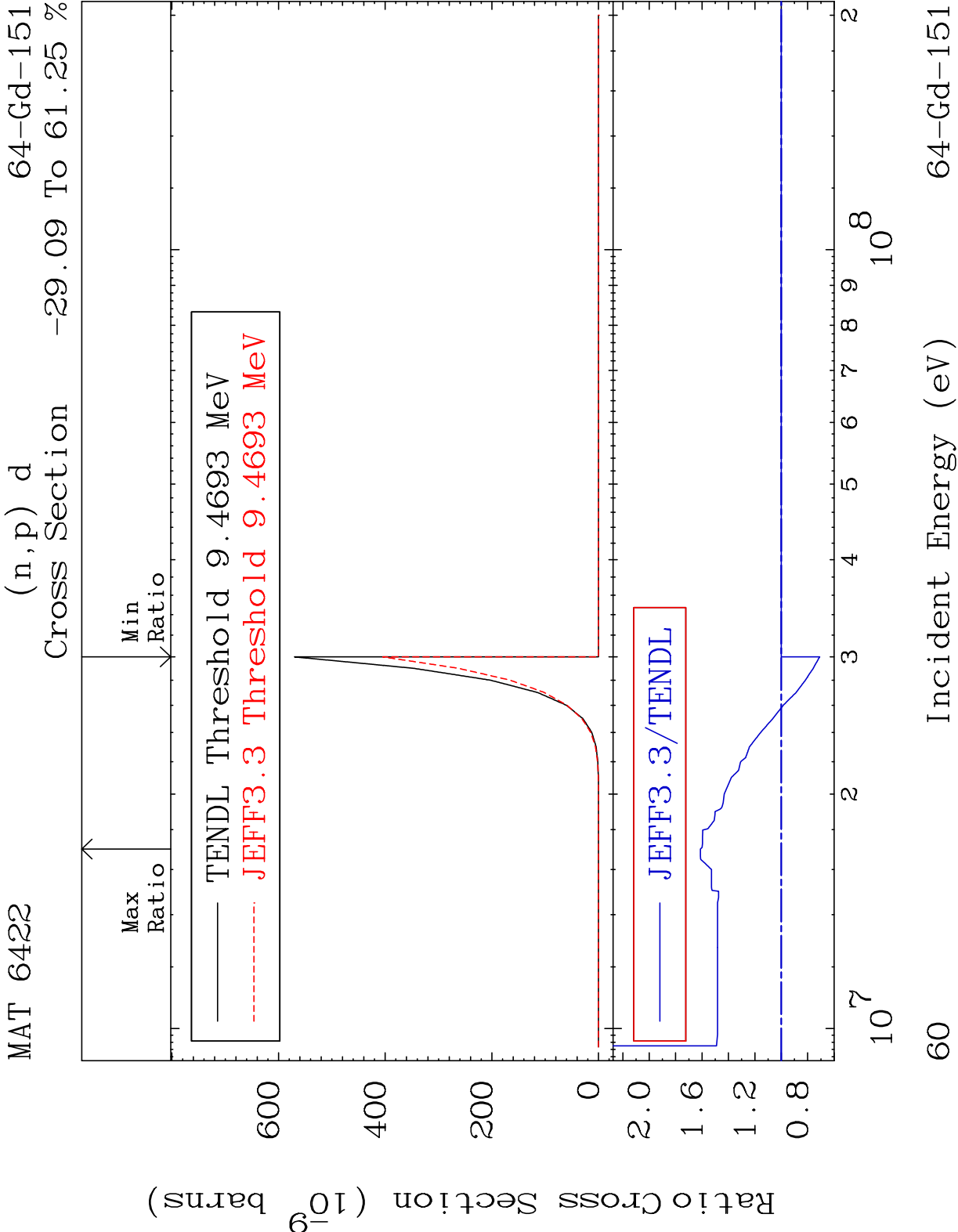
Incident Energy (eV)

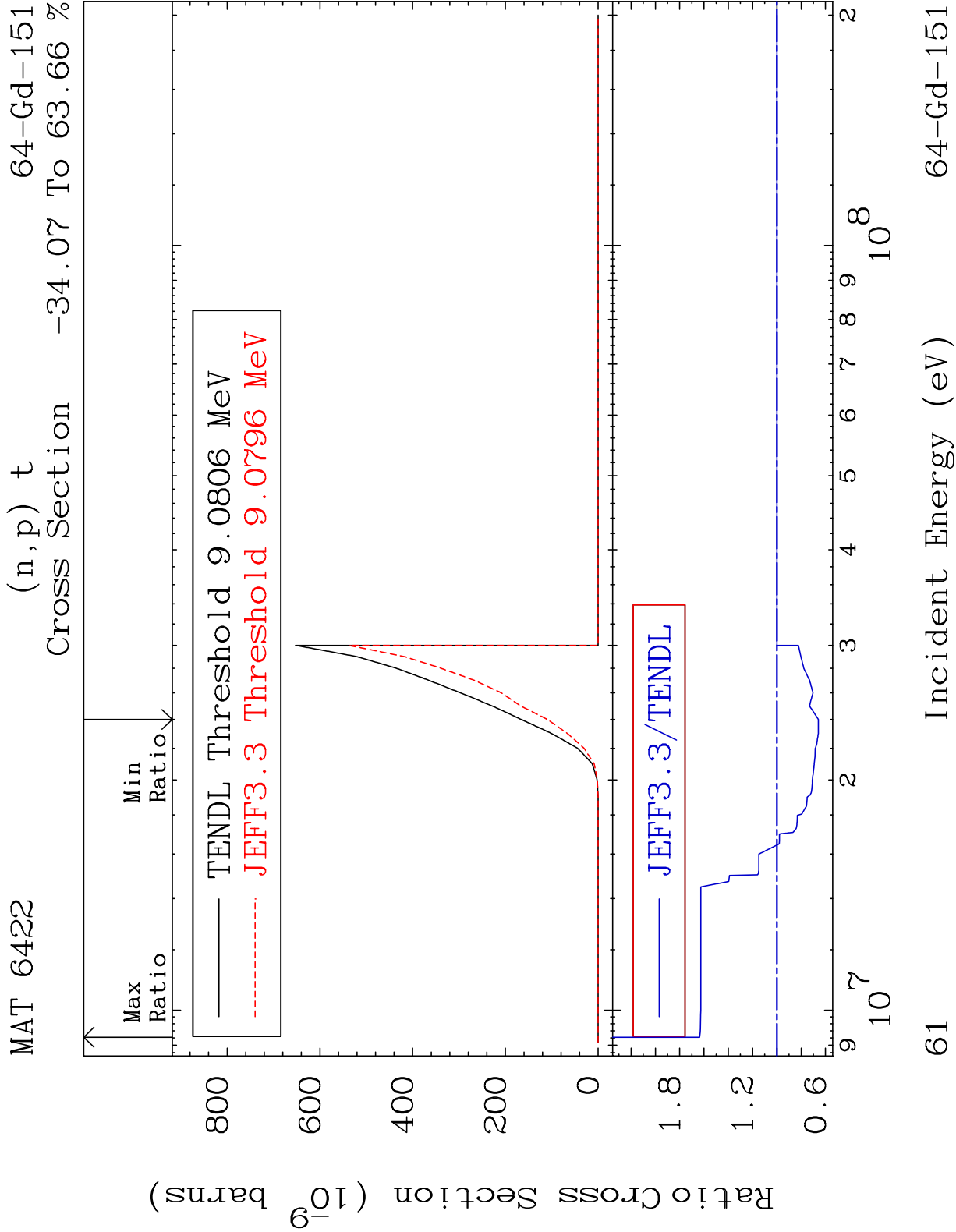
64-Gd-151

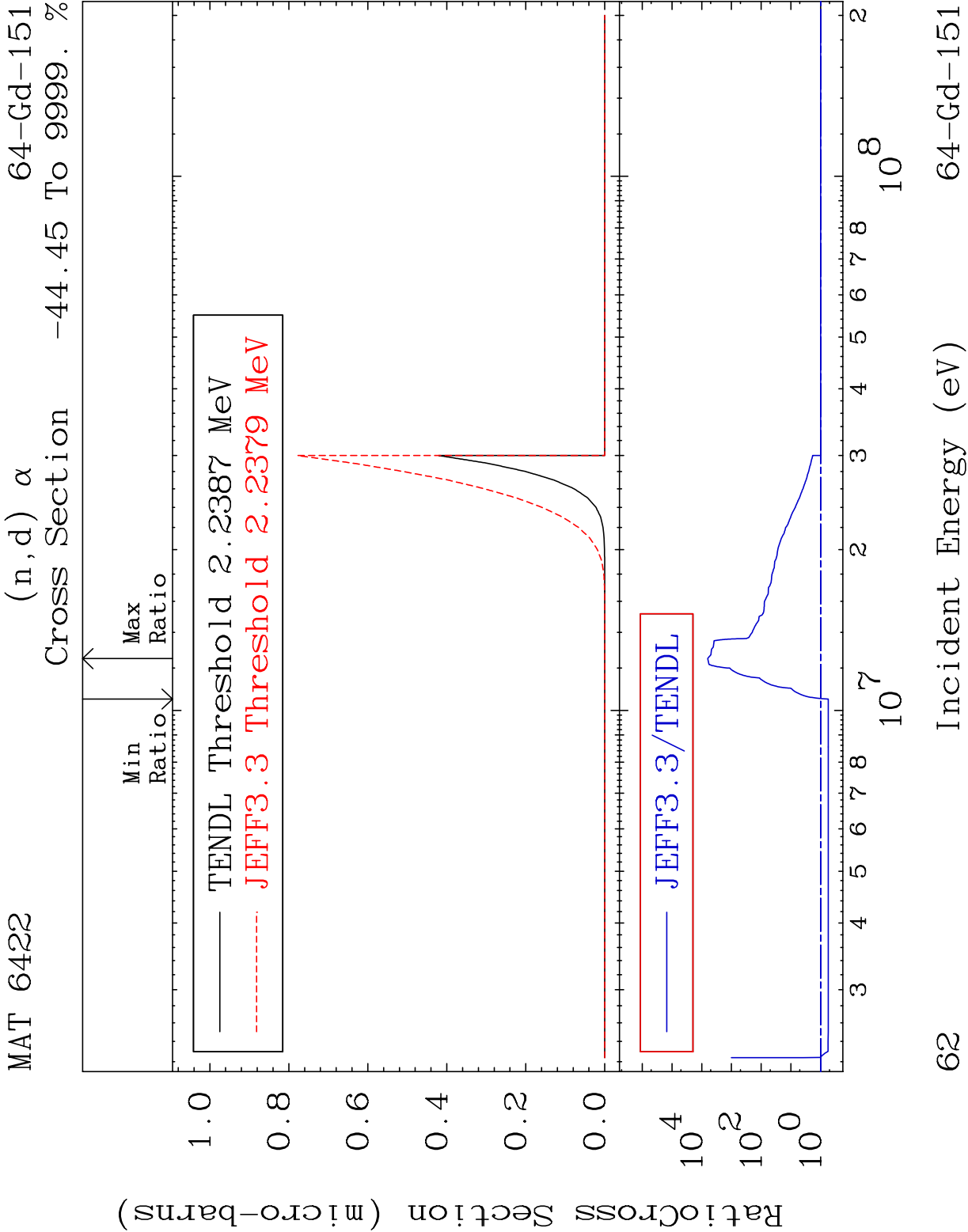




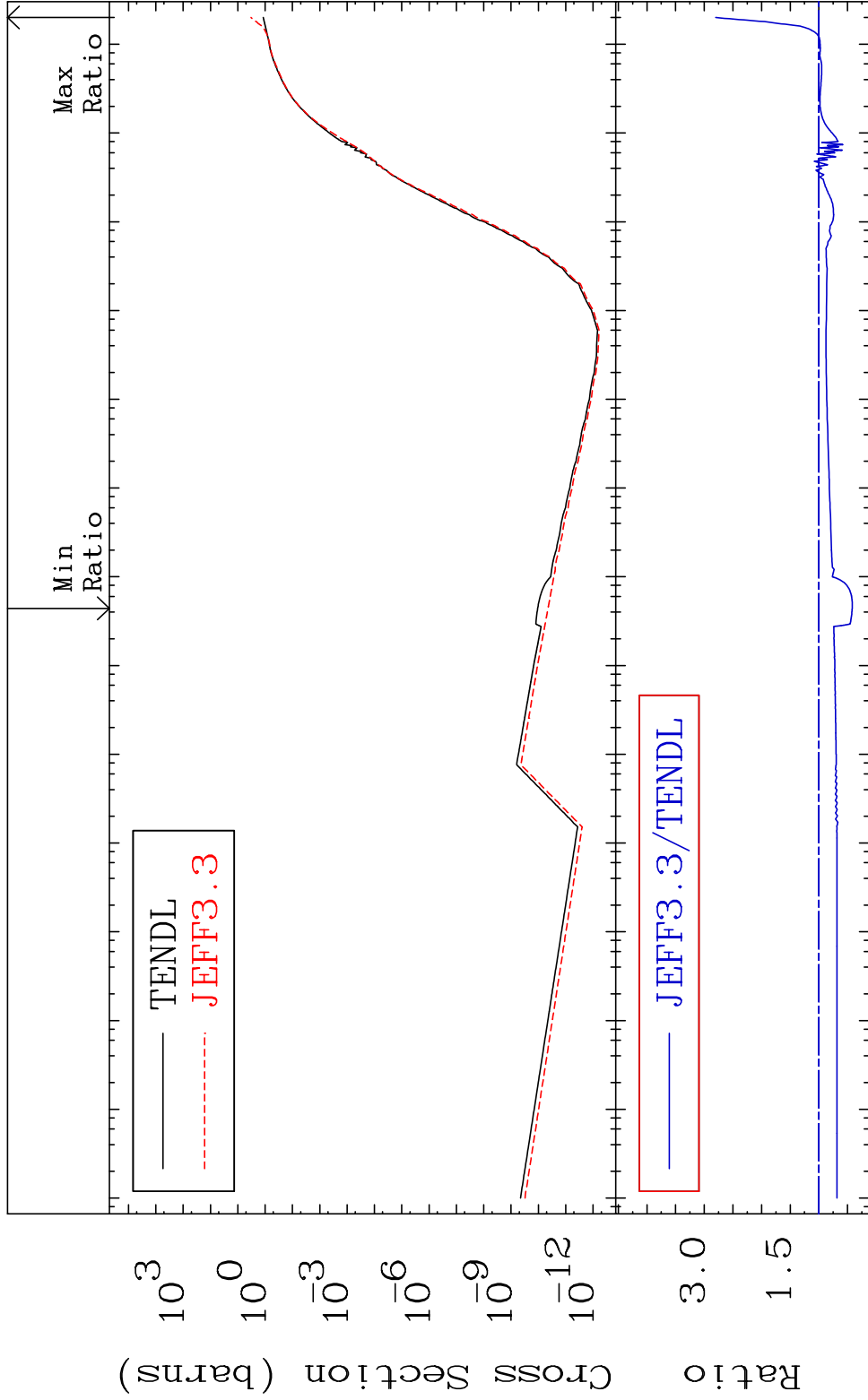




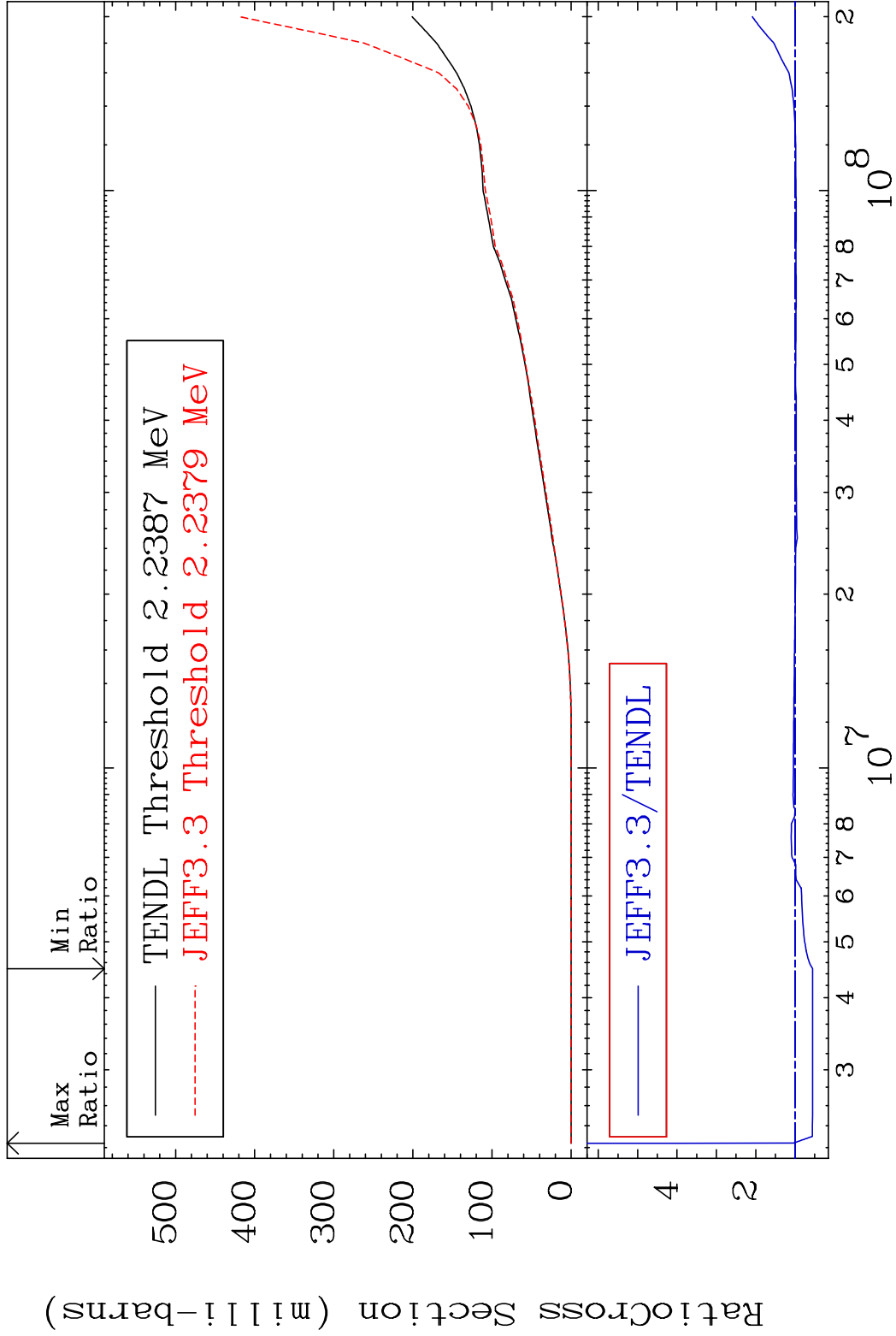


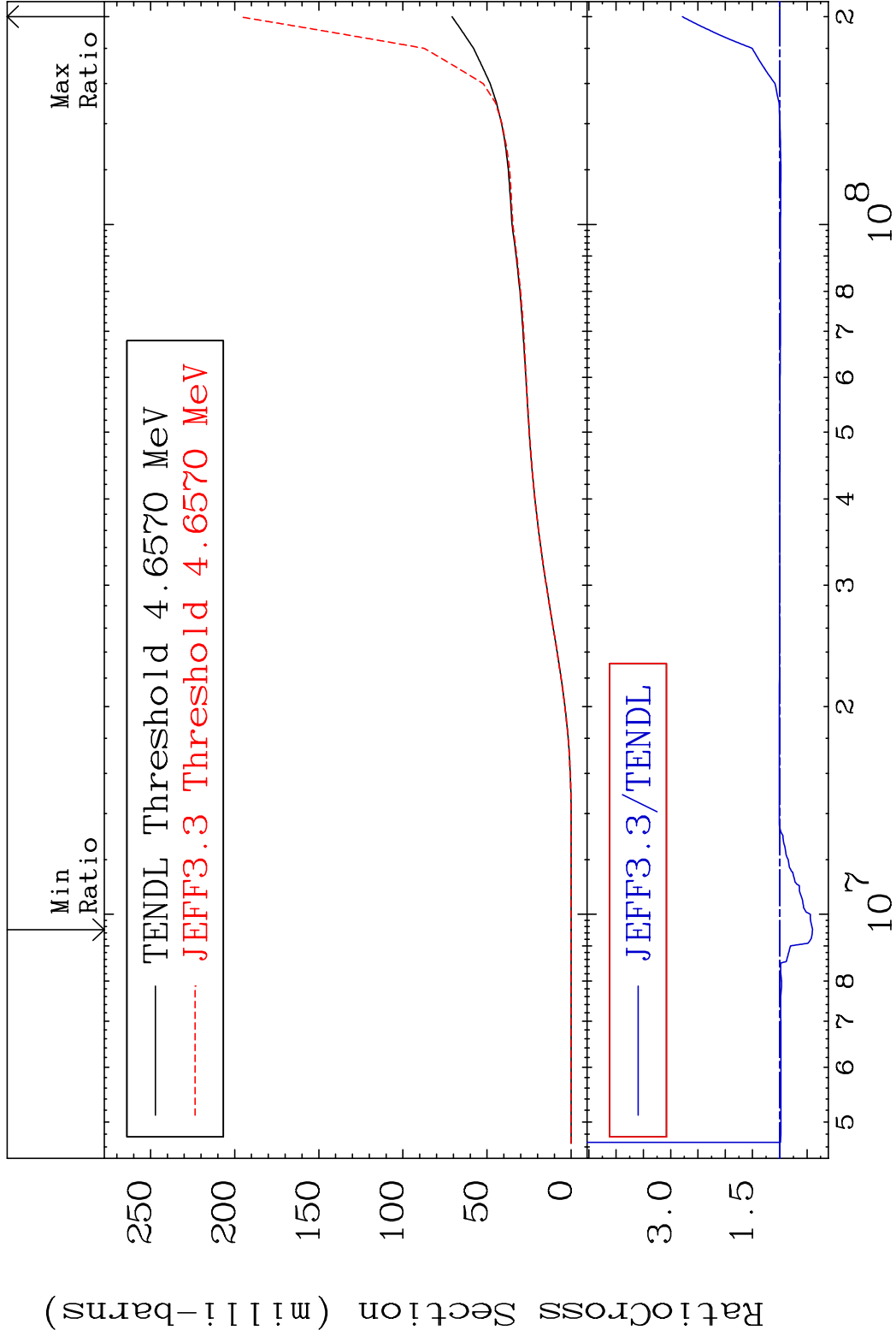


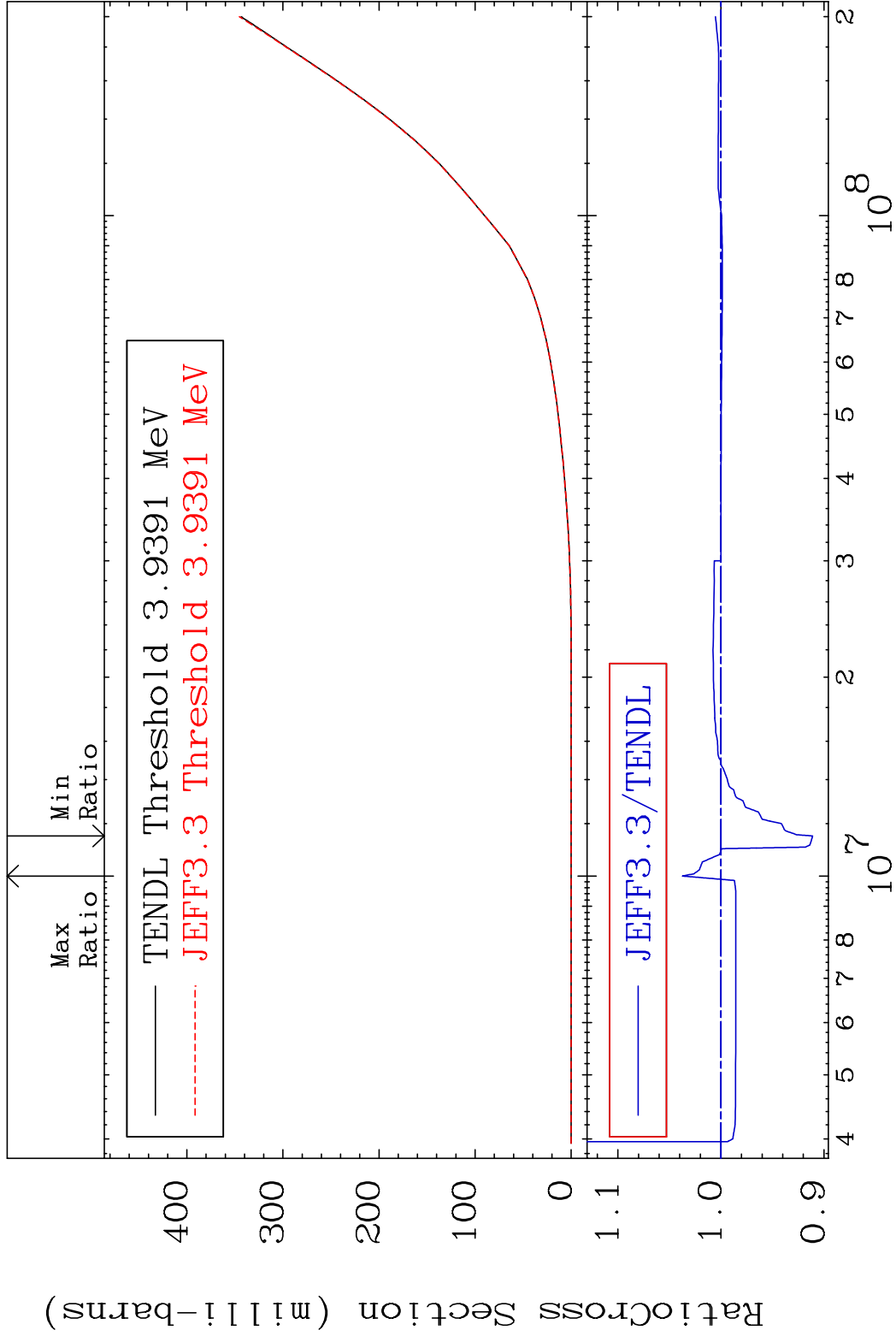
MAT 6422      Hydrogen Production      64-Gd-151  
Cross Section      -58.21 To 180.1 %

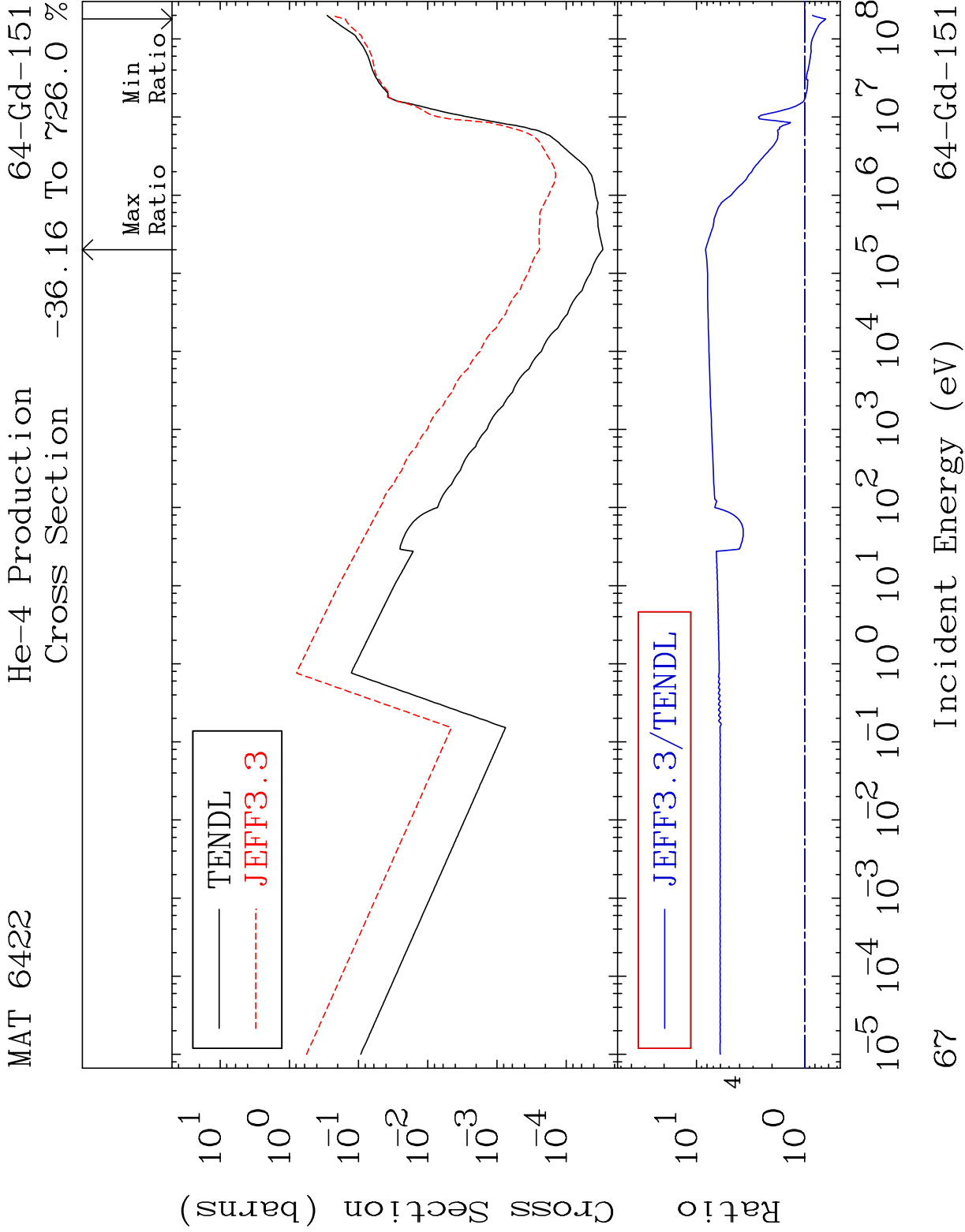


63      Incident Energy (eV)      64-Gd-151

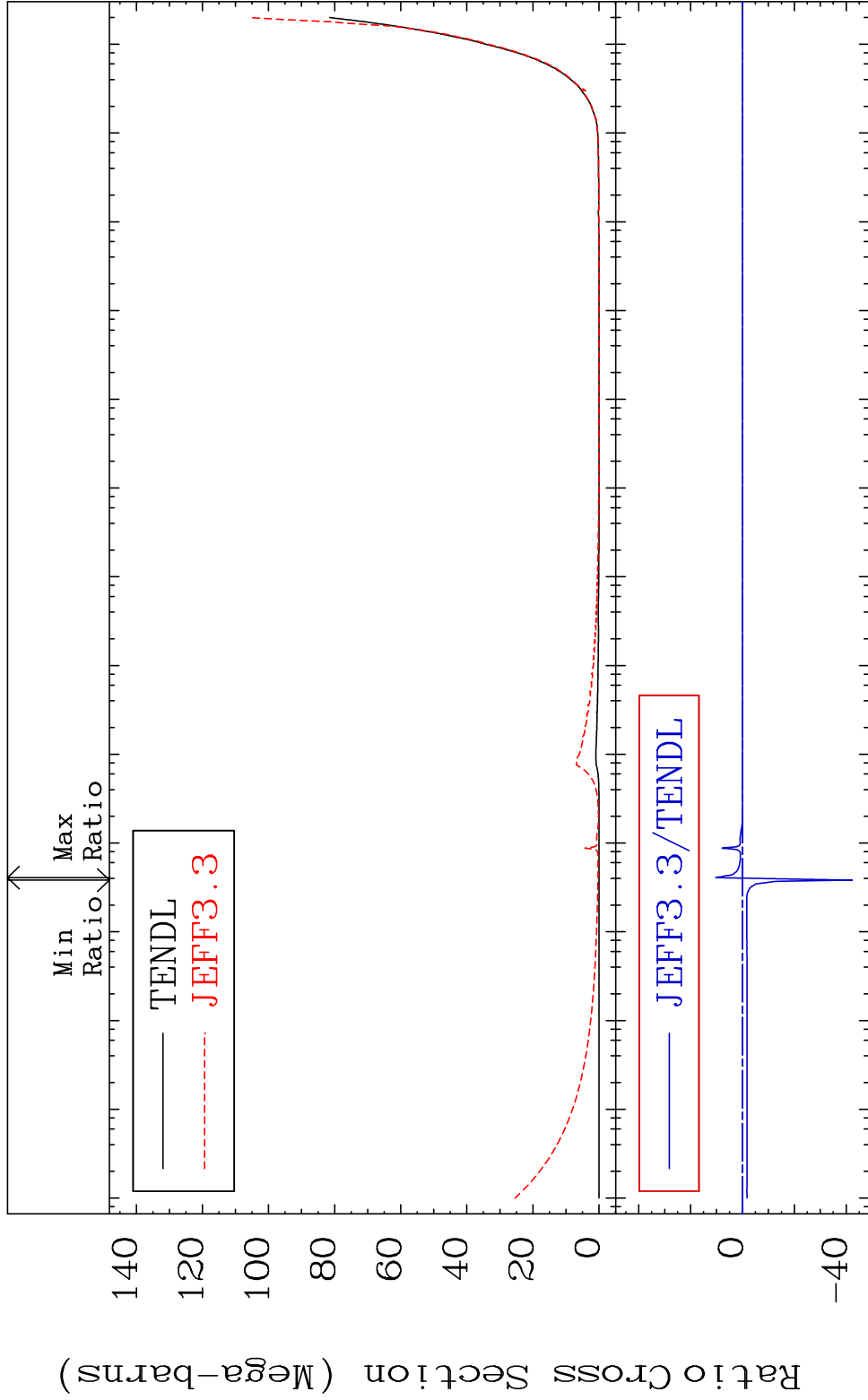






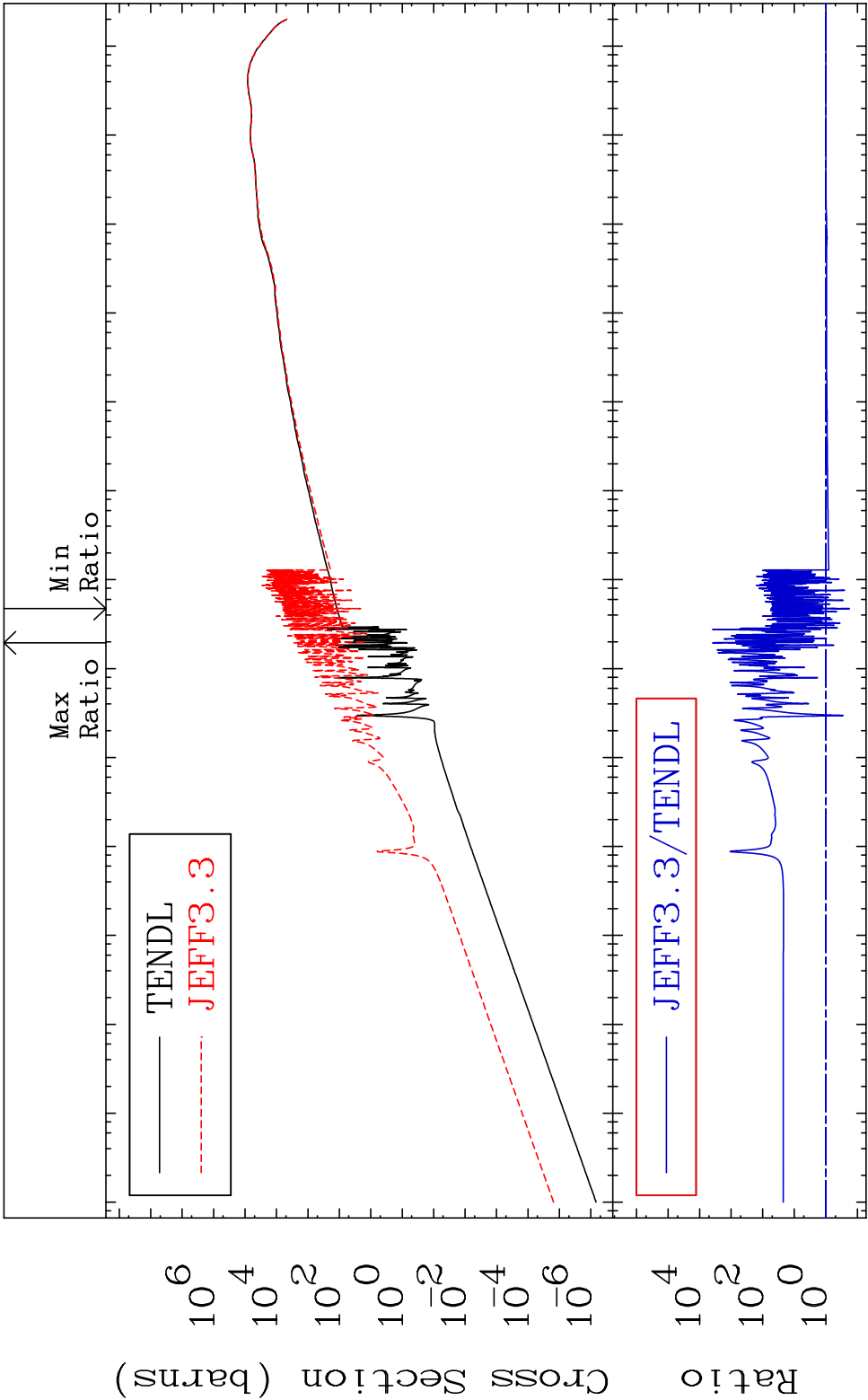


MAT 6422      Kerma total (eV-barns)      64-Gd-151  
Cross Section    -9999. To 9999. %



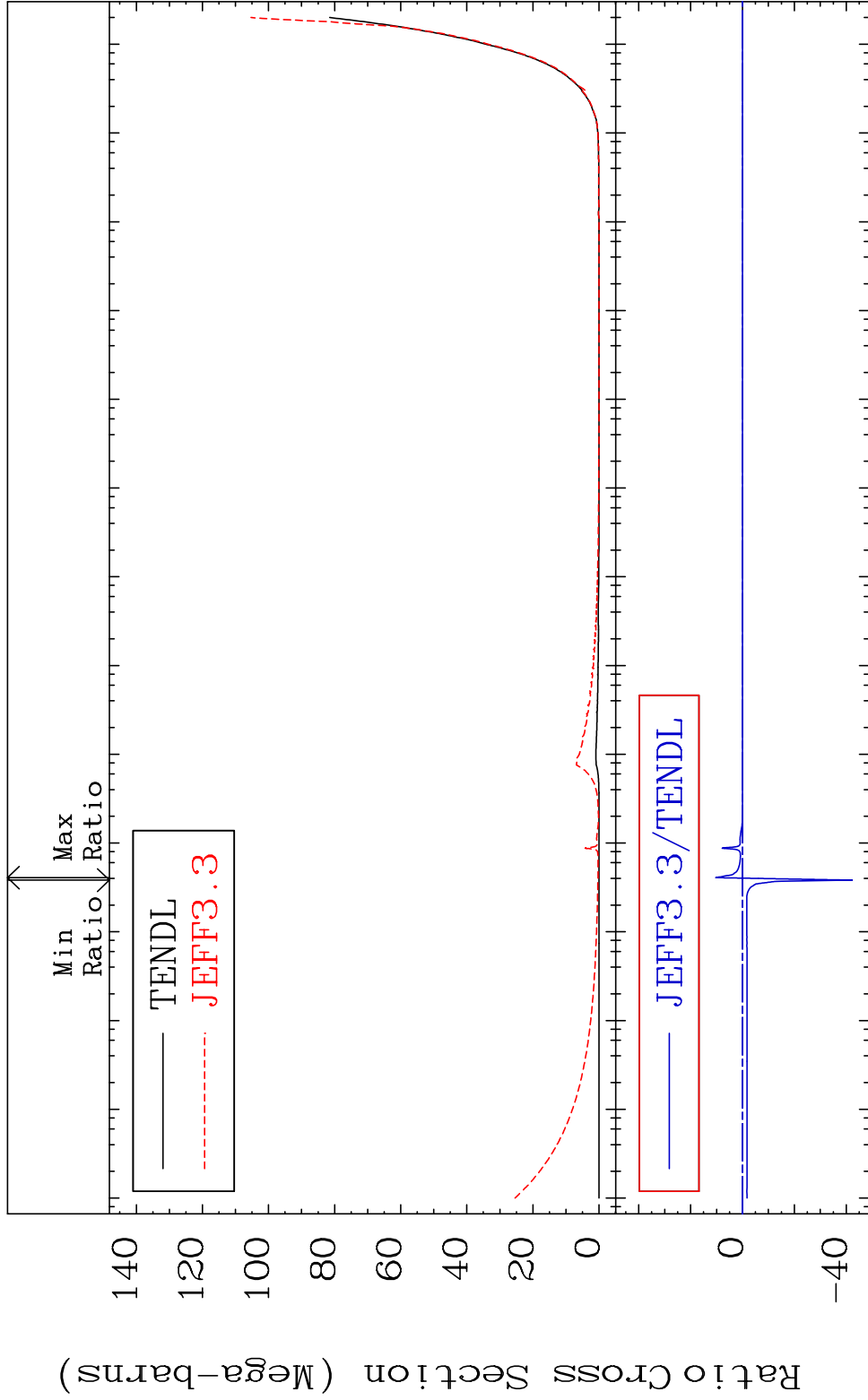
68      Incident Energy (eV)      64-Gd-151

|          |                                |                                |
|----------|--------------------------------|--------------------------------|
| MAT 6422 | Kerma elastic<br>Cross Section | 64-Gd-151<br>-82.24 To 9999. % |
|----------|--------------------------------|--------------------------------|

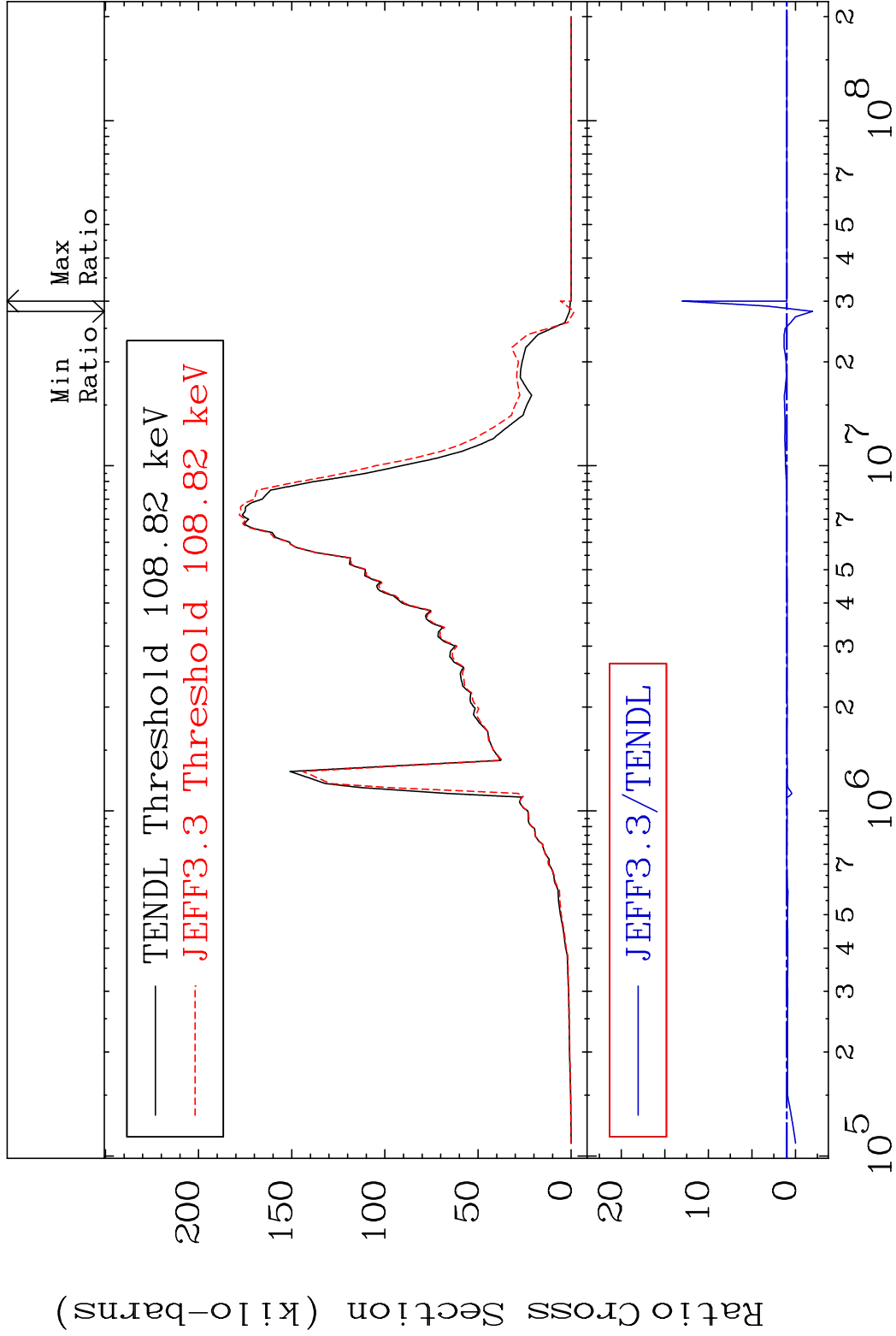


MAT 6422      Kerma non-elastic (all but mt2)      64-Gd-151

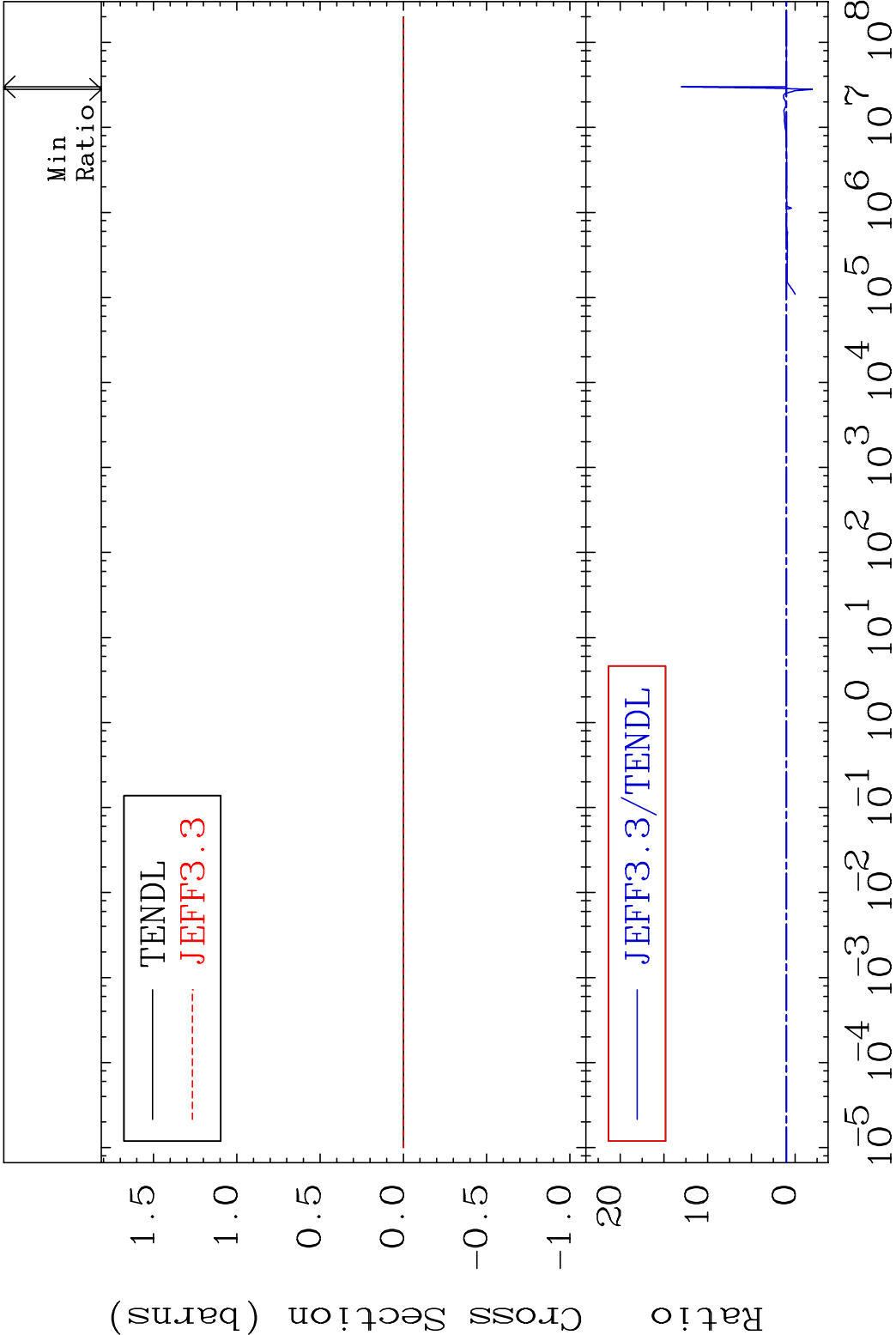
Cross Section      -9999. To 9999. %



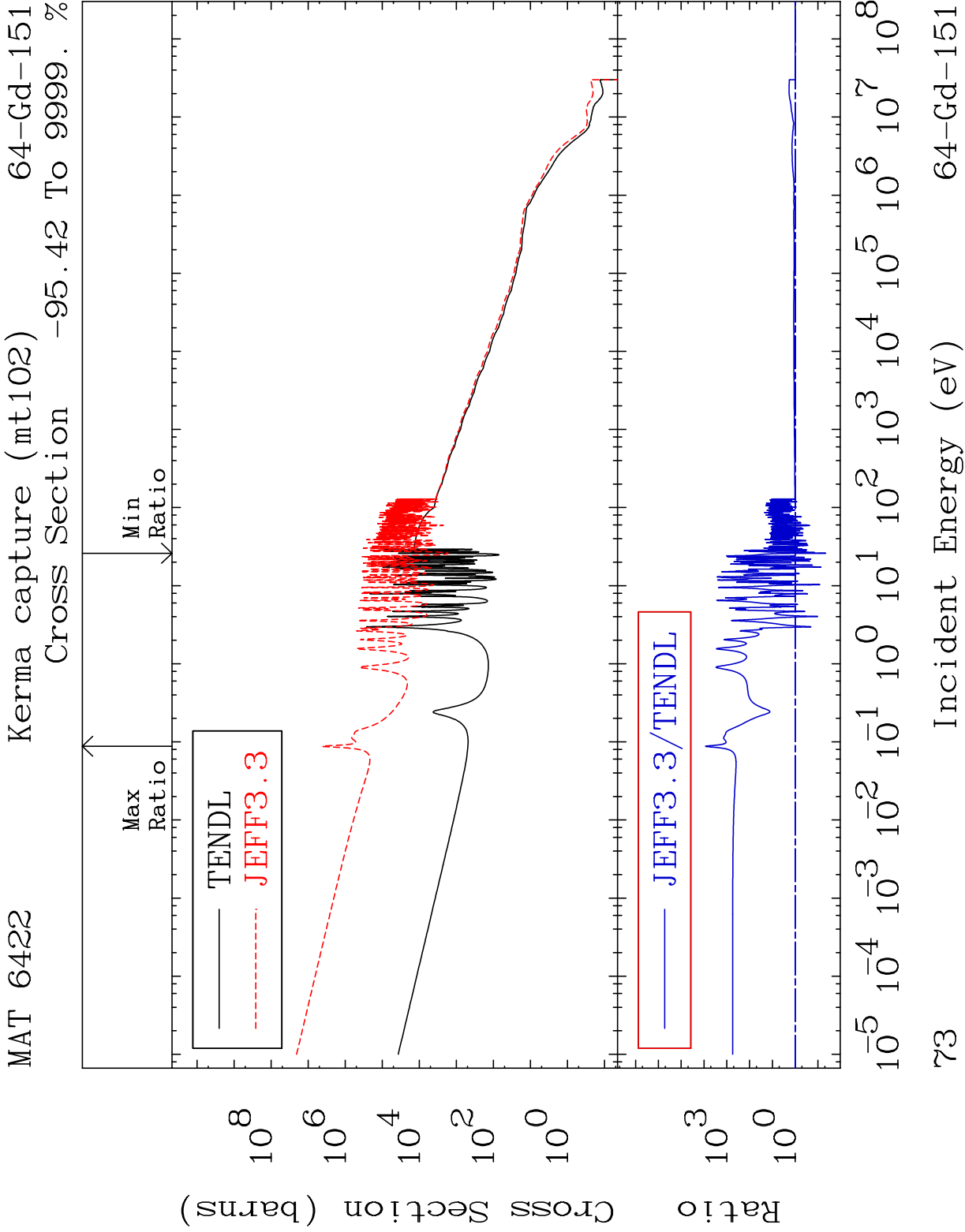
70      Incident Energy (eV)      64-Gd-151

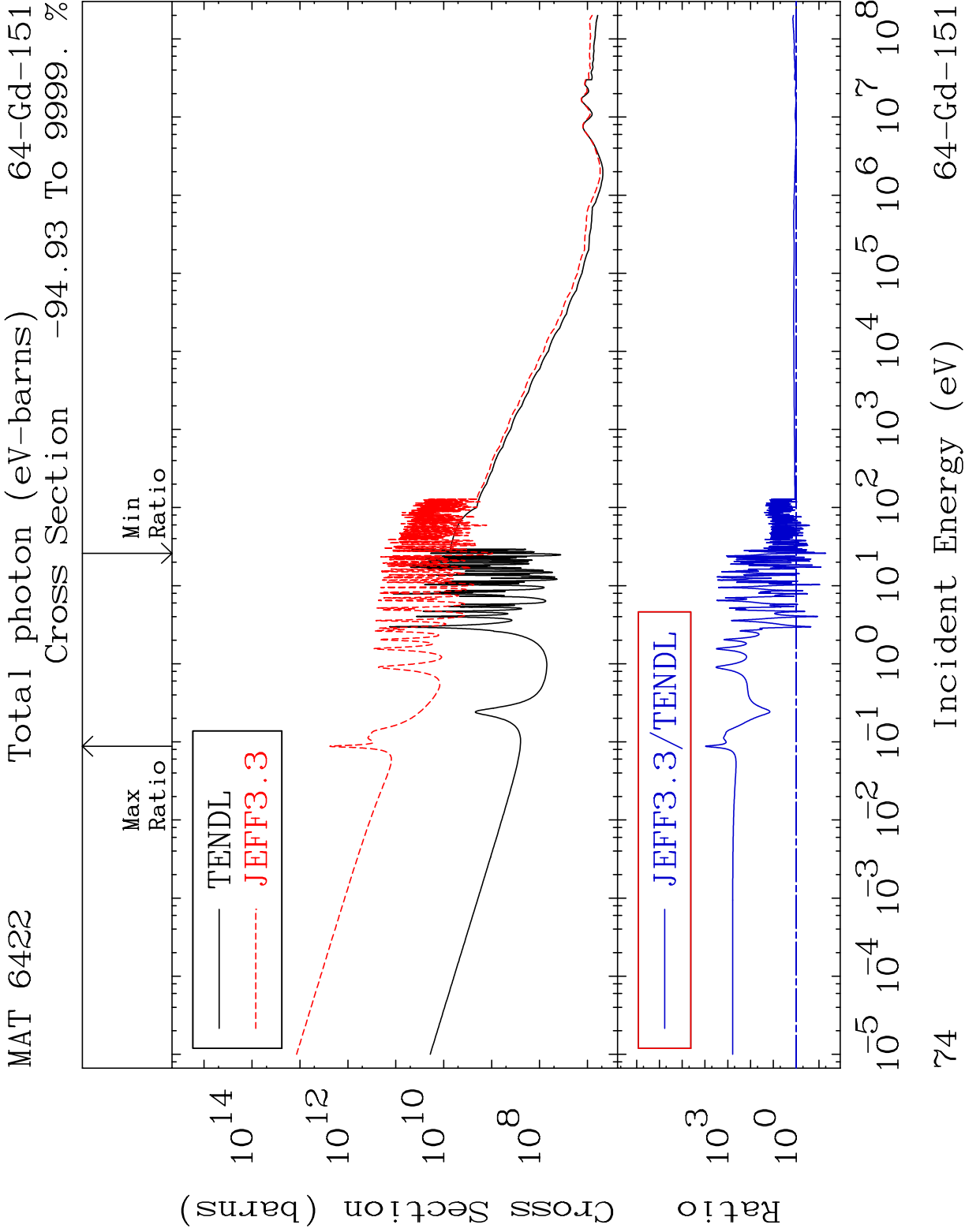


MAT 6422Kerma fission (mt18 or mt19-20-21-38)64-Gd-151  
Cross Section -294.6 To 1199. %

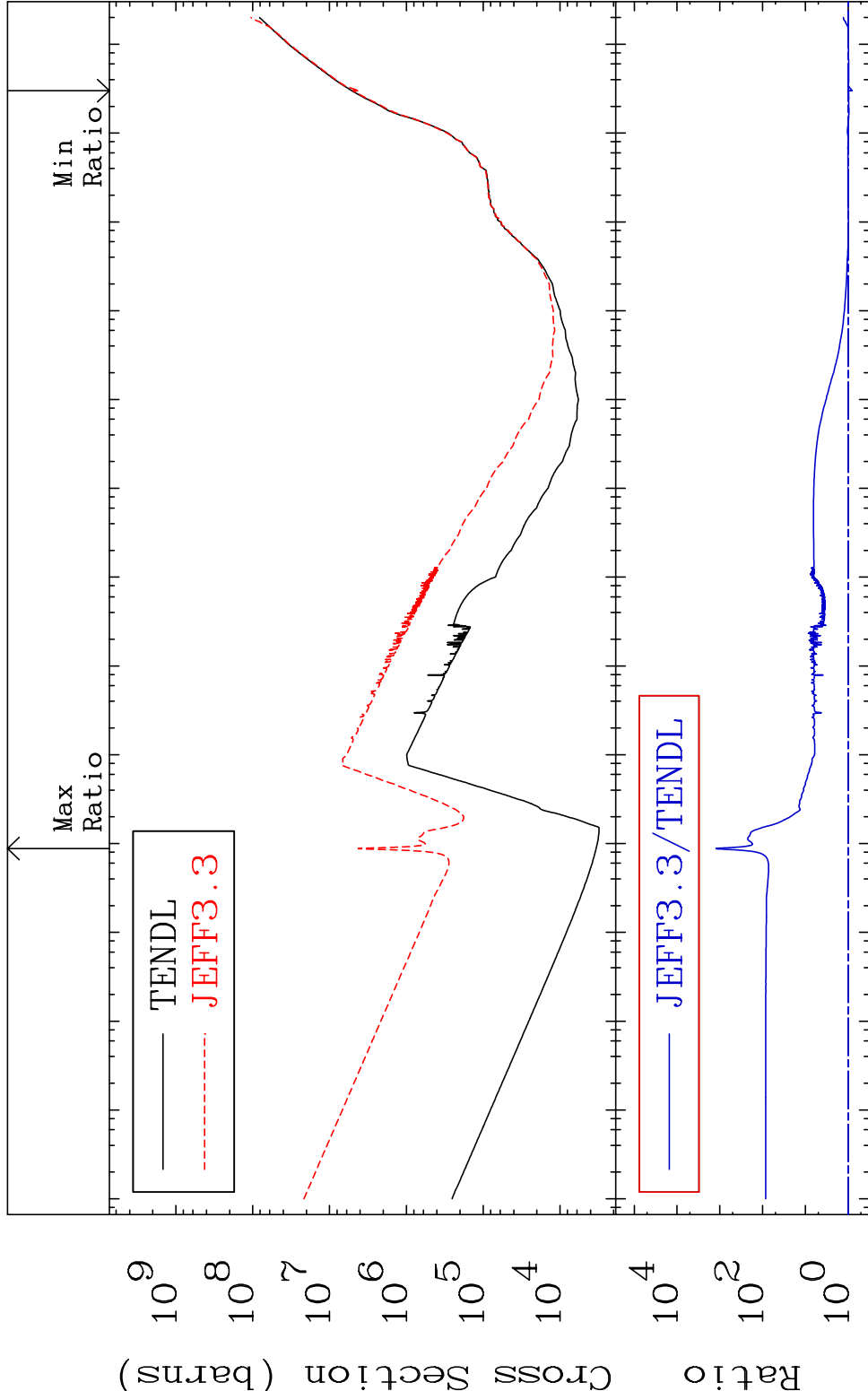


72 Incident Energy (eV) 64-Gd-151





MAT 6422 Total kinematic kerma (high limit) 64-Gd-151  
Cross Section -19.93 To 9999. %



75 Incident Energy (eV) 64-Gd-151

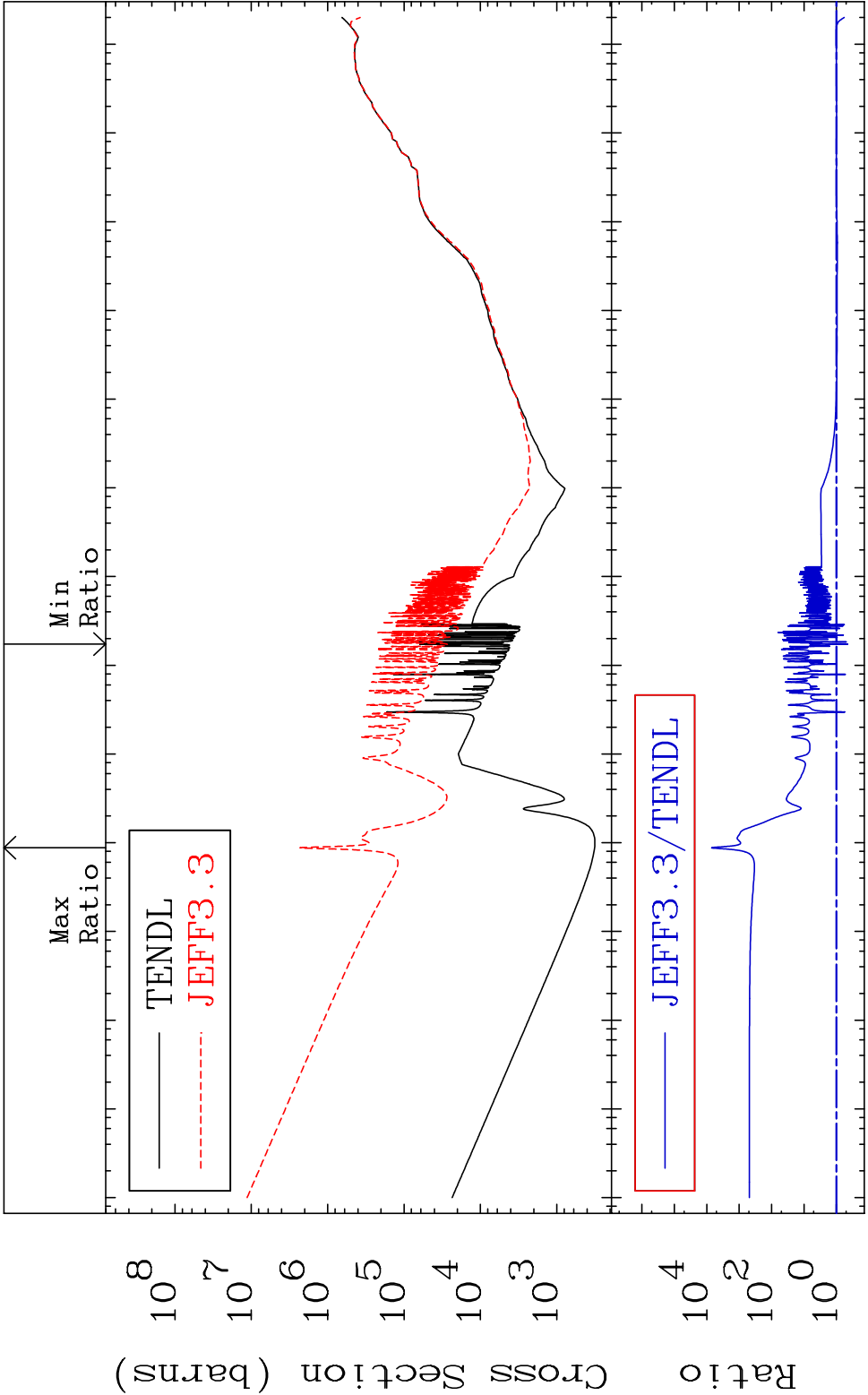
MAT 6422

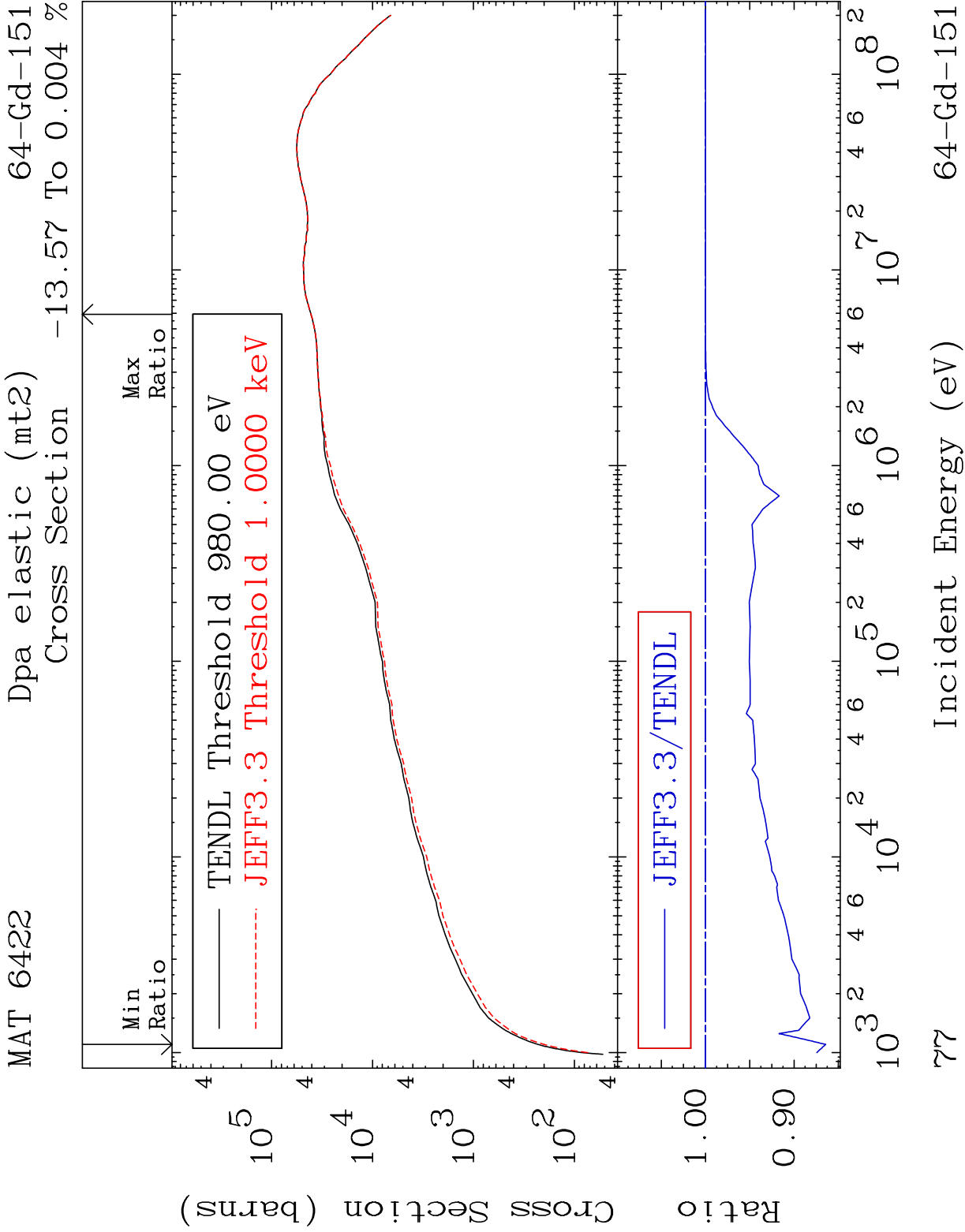
Dpa total (eV-barns)

64-Gd-151

Cross Section

-55.33 To 9999. %



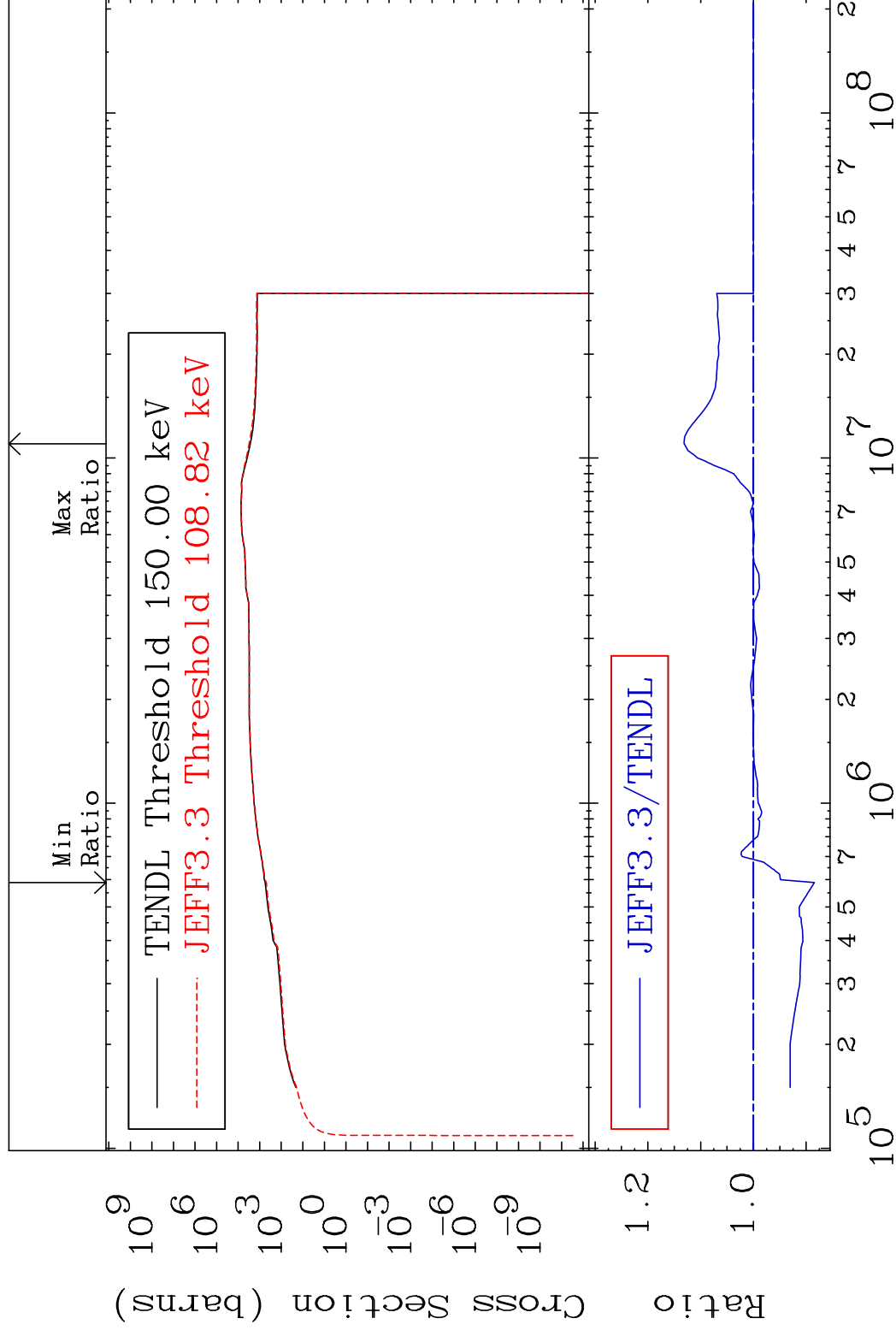


MAT 6422

Dpa inelastic (mt51-91)

64-Gd-151

Cross Section  $-11.53$  To  $13.14\%$



82

Incident Energy (eV)

64-Gd-151

MAT 6422    Dpa disappearance (mt102 -120)    64-Gd-151  
 Cross Section    -55.33 To 9999. %

