

Program Complot  
(Version 2021-1)

by

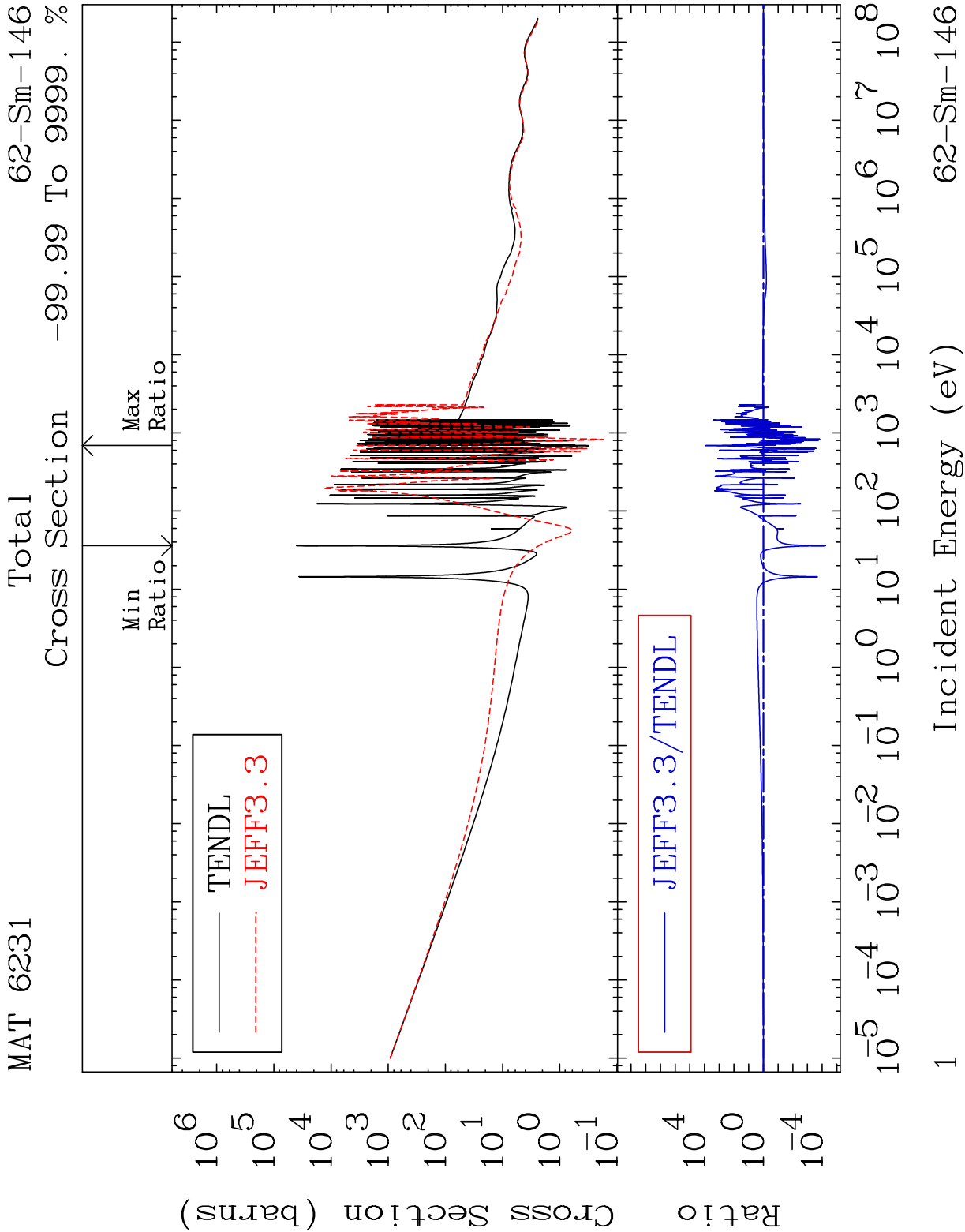
Dermott E. Cullen  
(Present Contact Information)

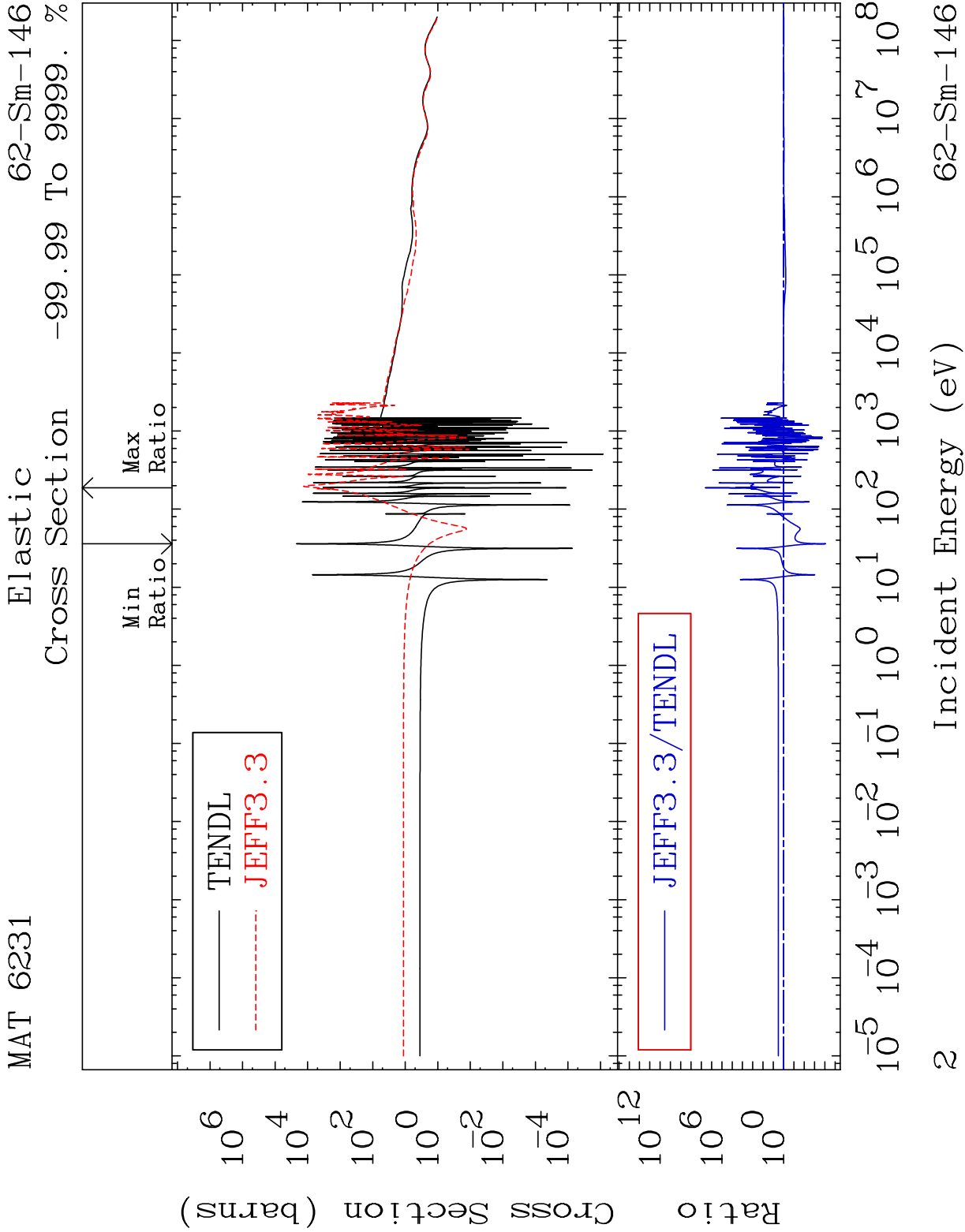
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

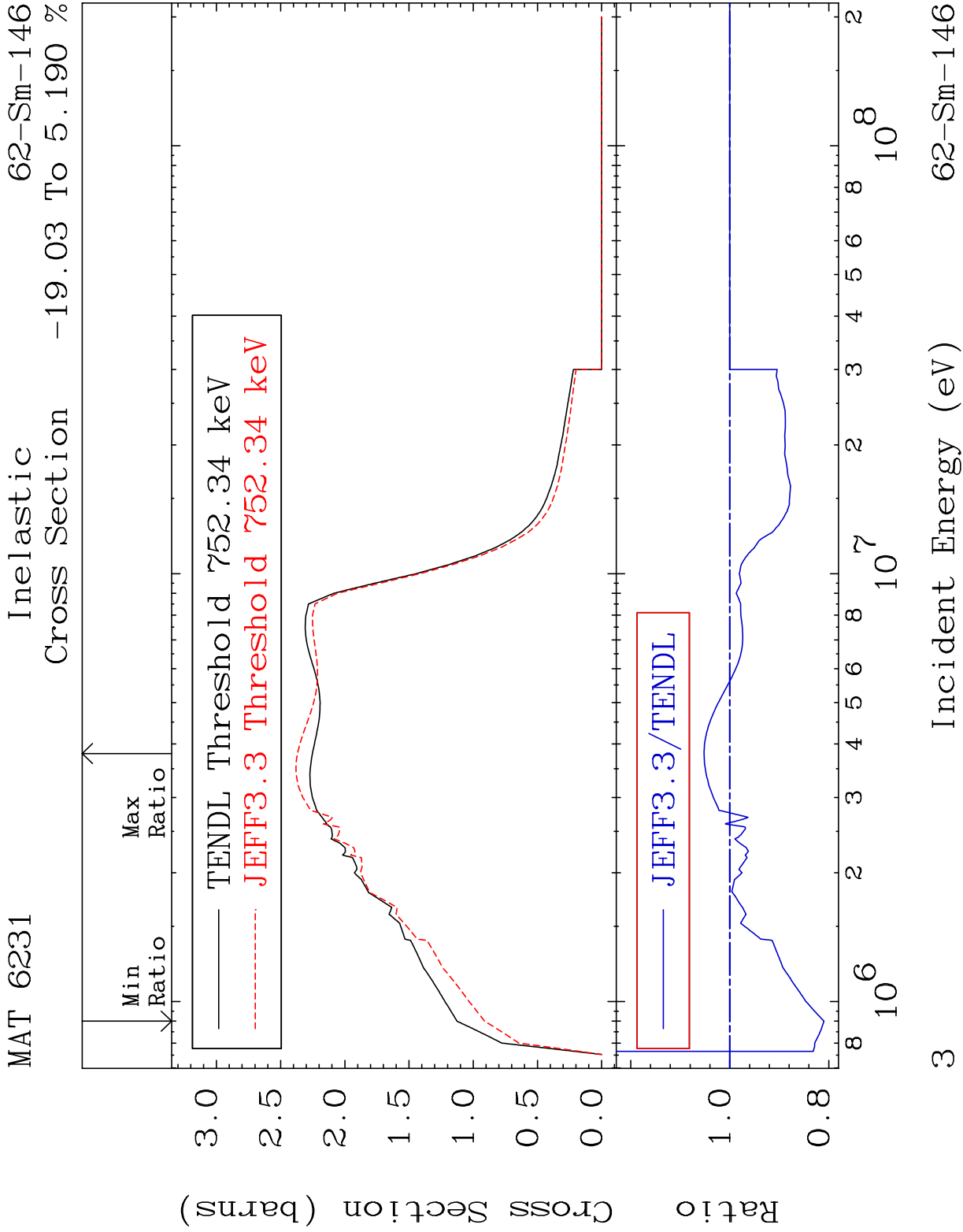
Tele: 925-443-1911

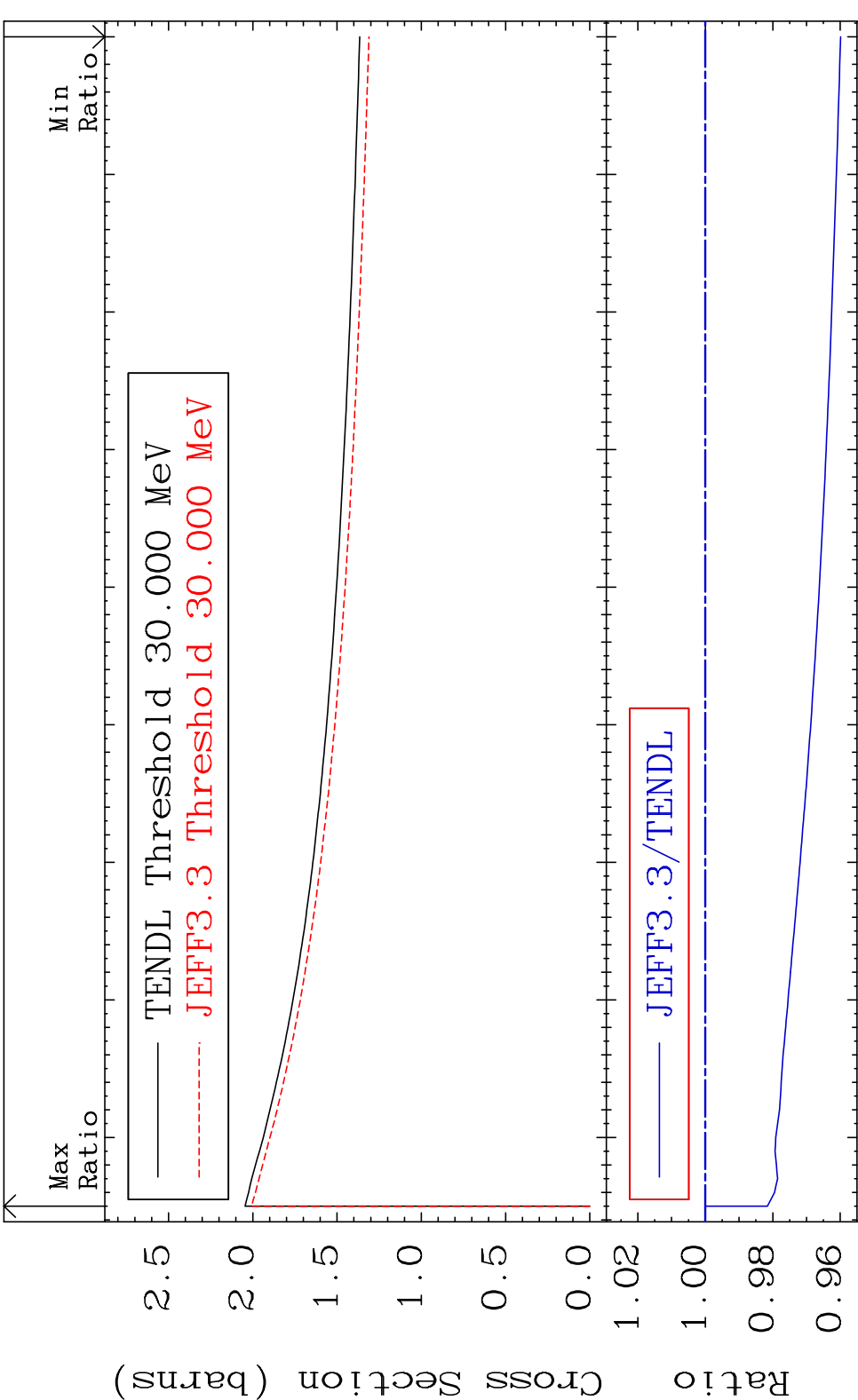
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

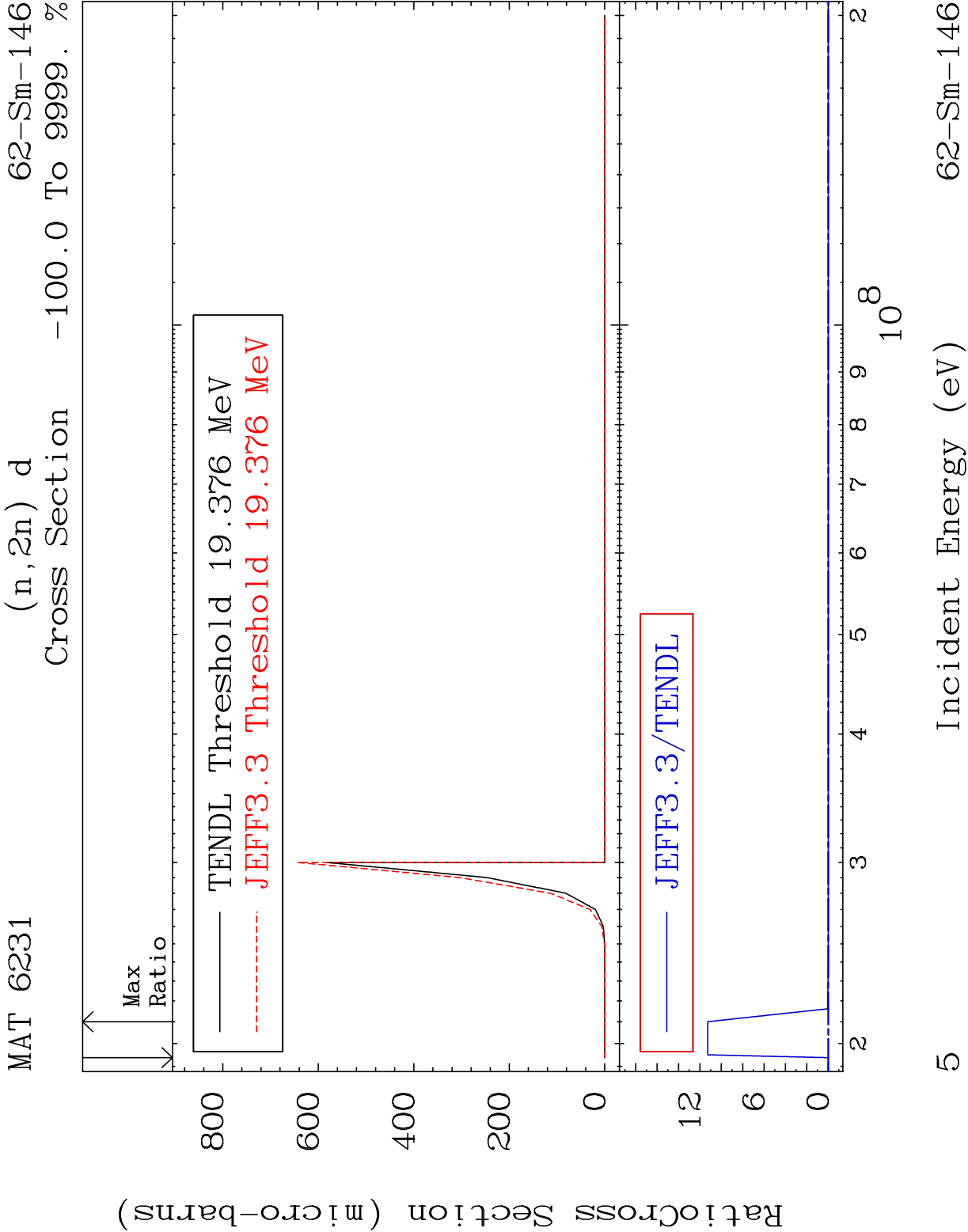
Press Mouse Button to Start

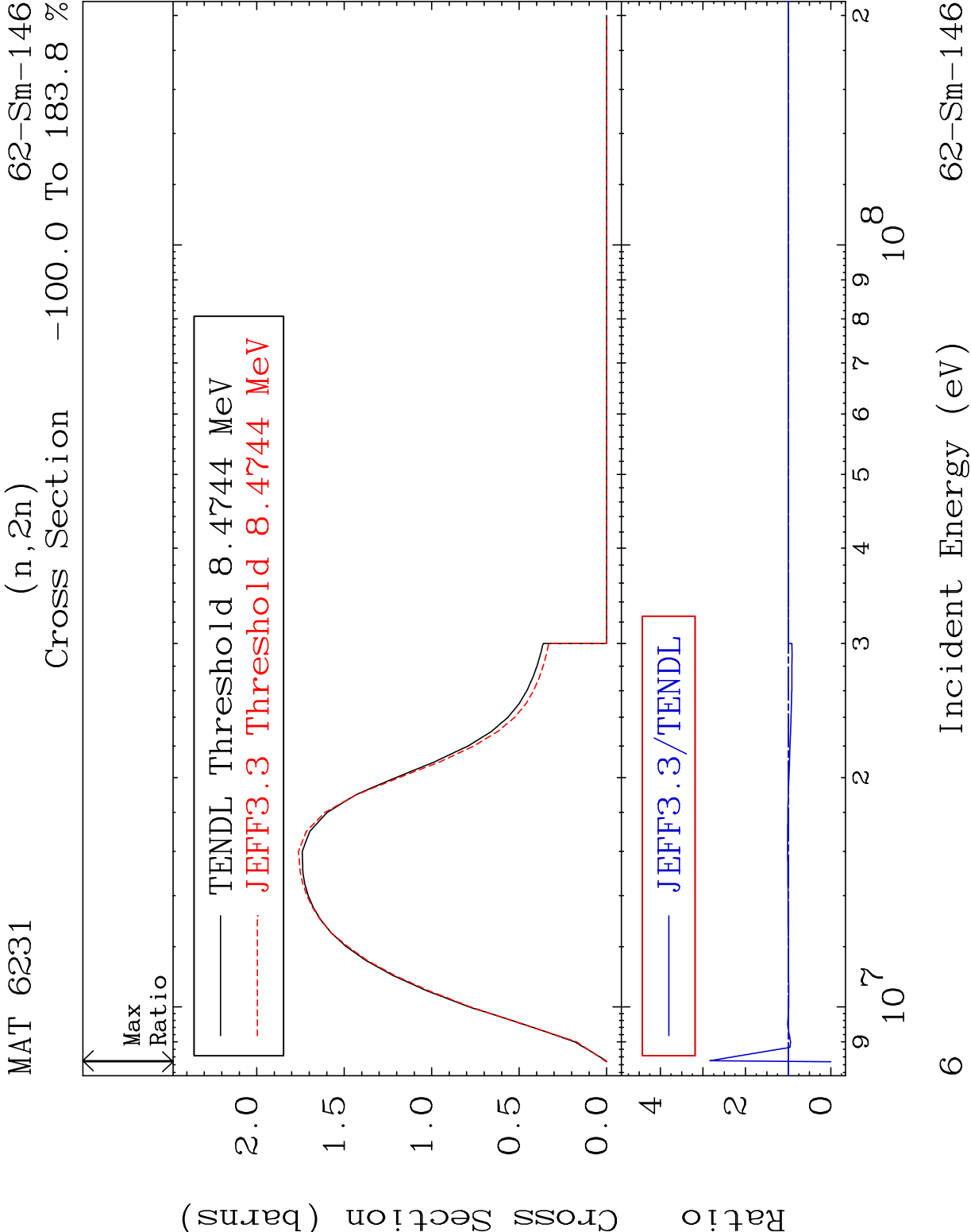










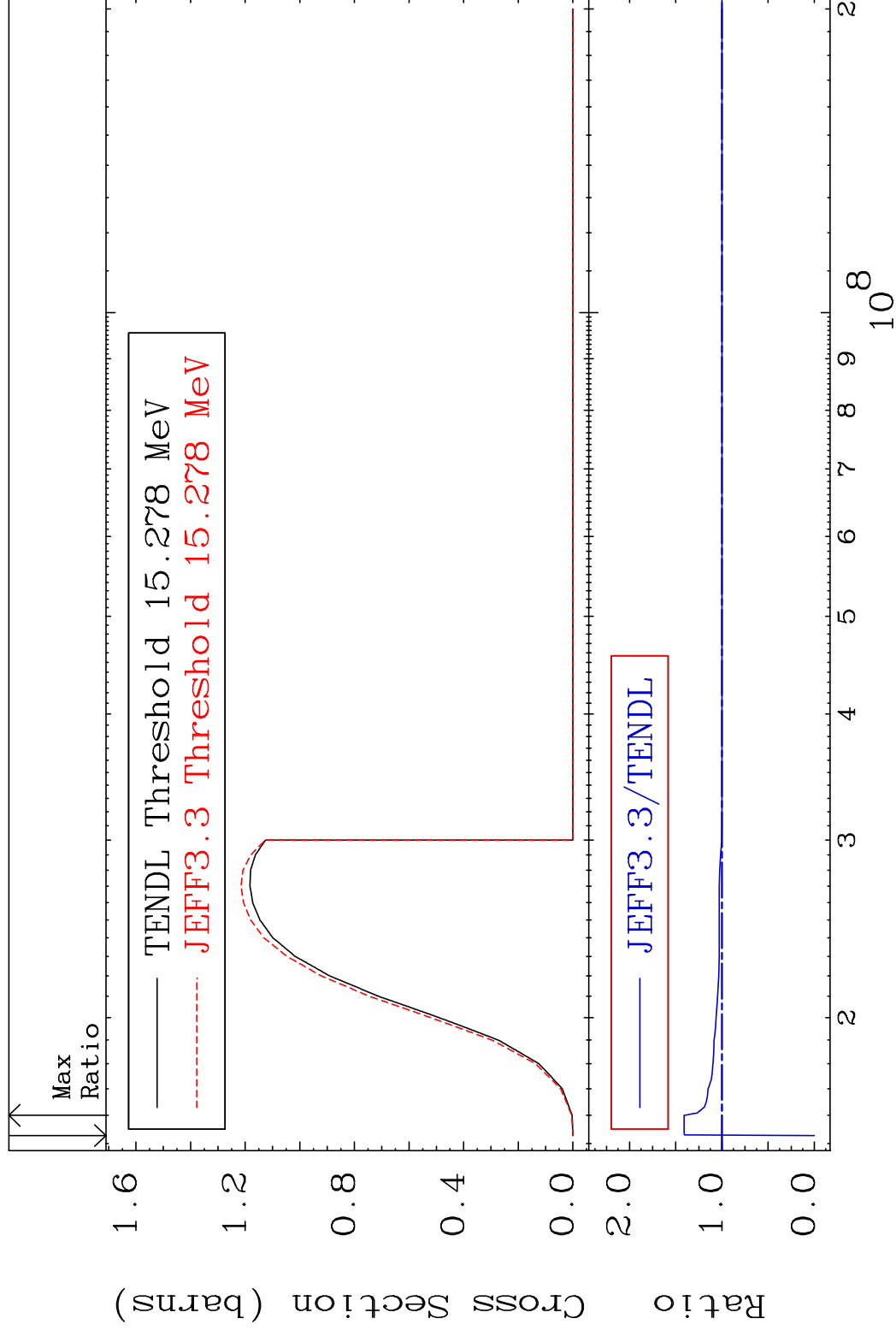


MAT 6231

$$(n, 3n)$$

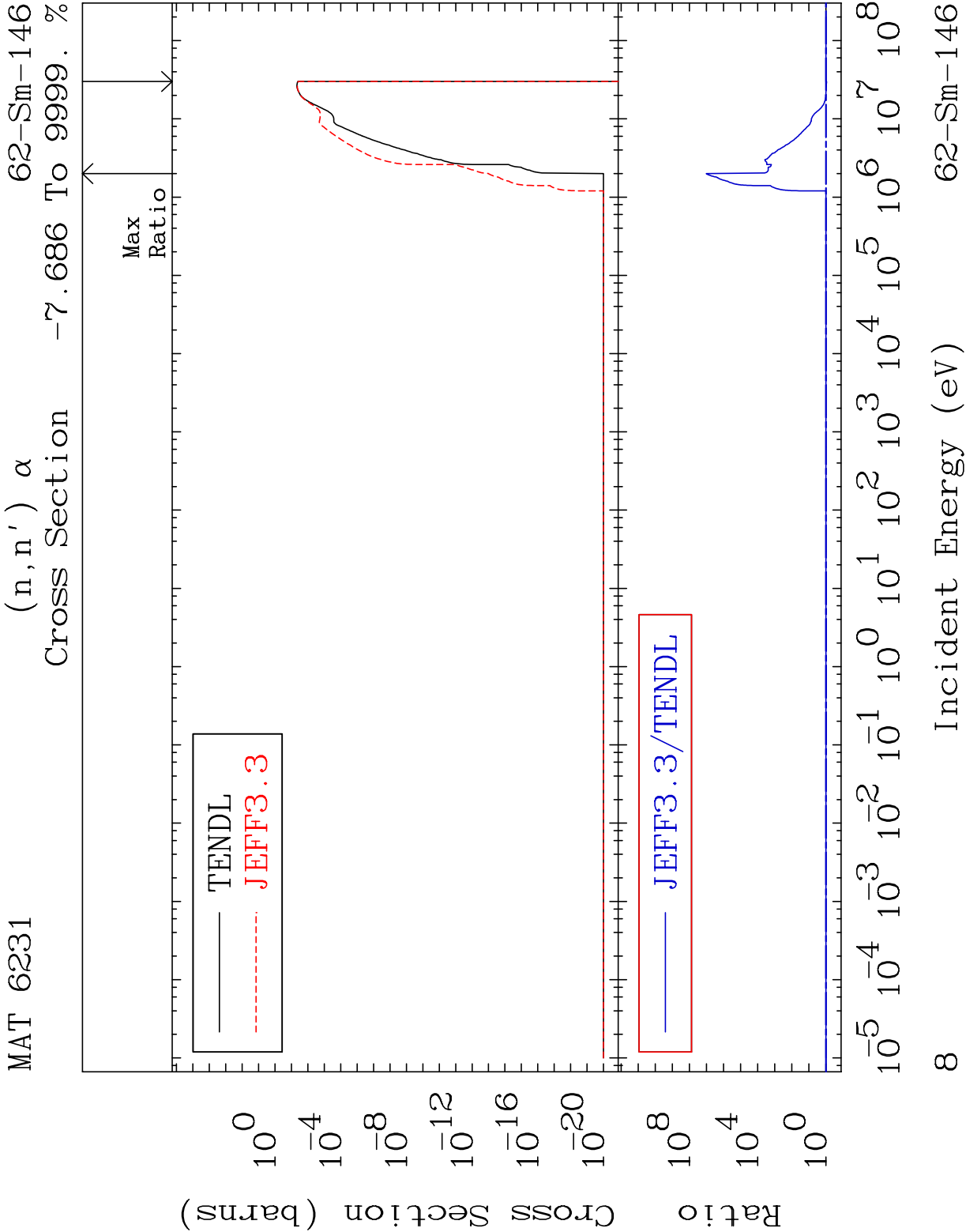
62-Sm-146

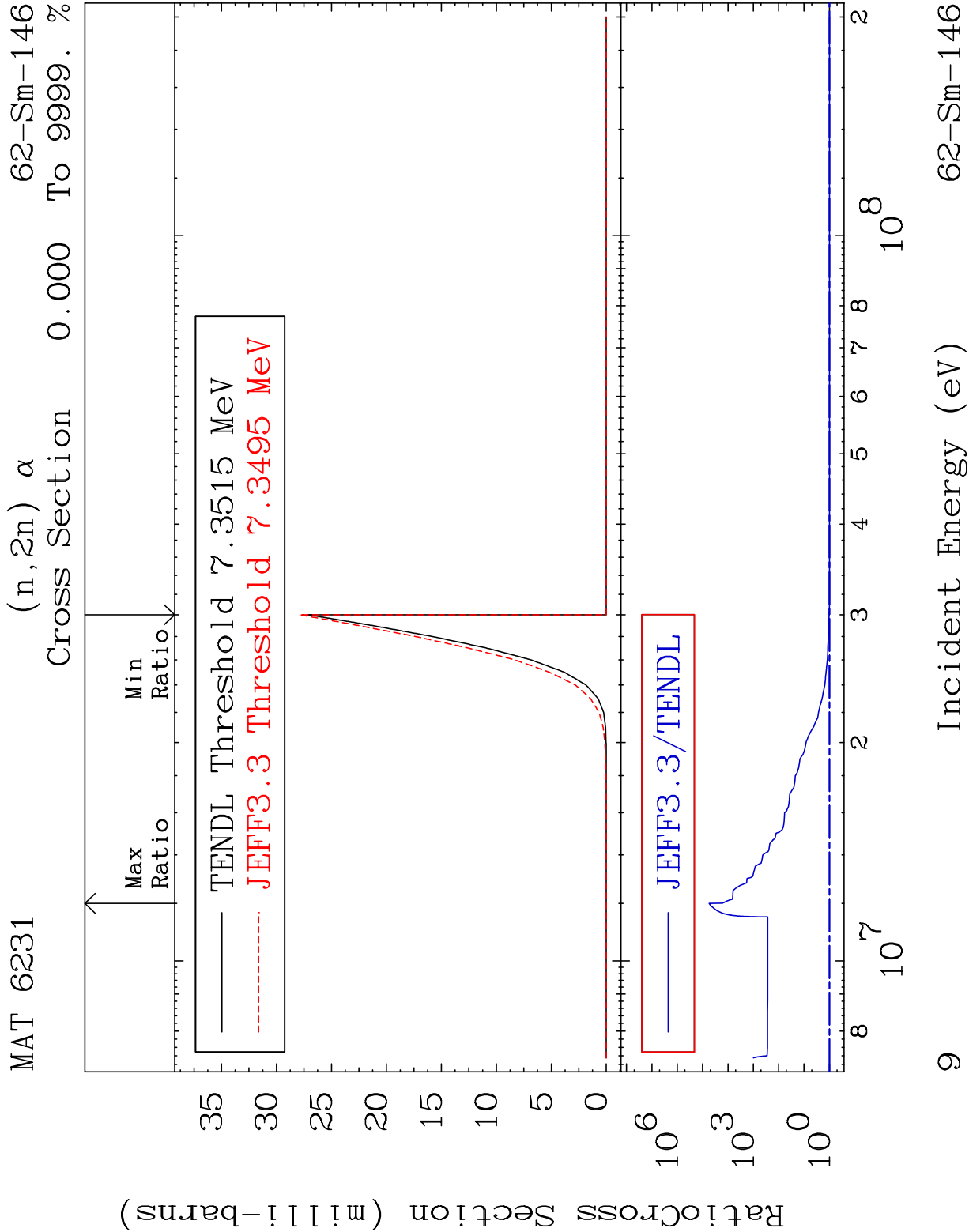
Cross Section -100.0 To 40.97 %

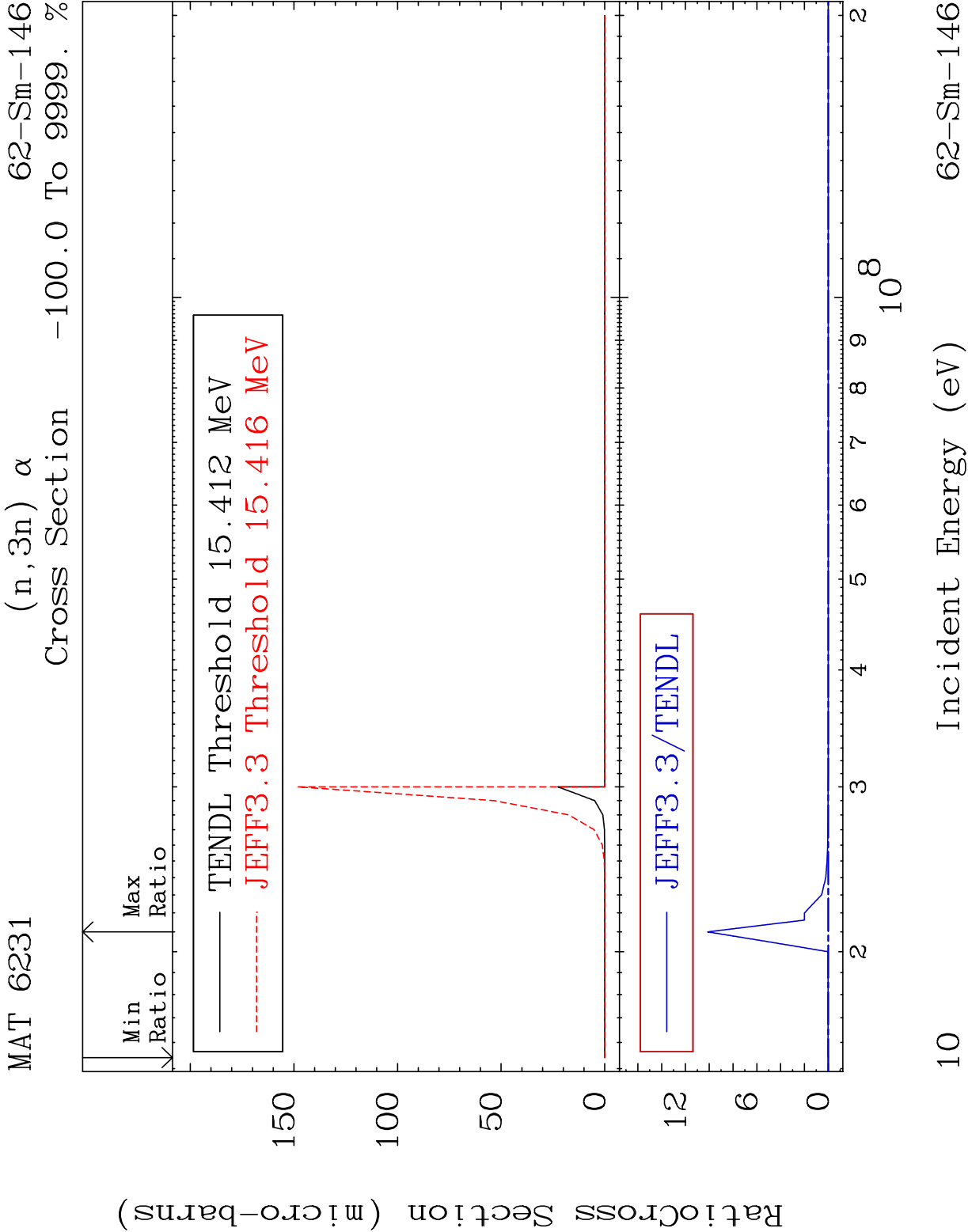
 $\lambda$ 

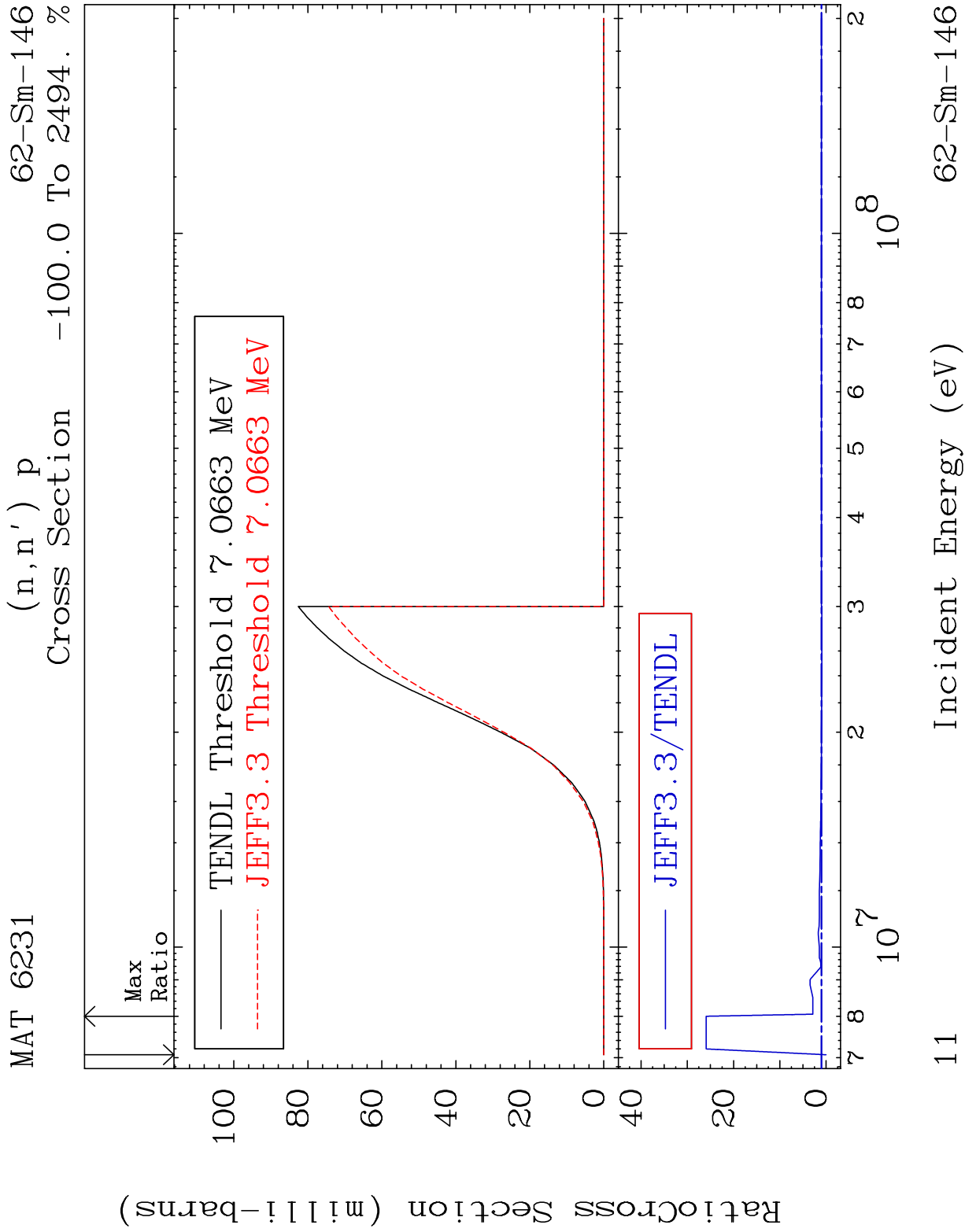
Incident Energy (eV)

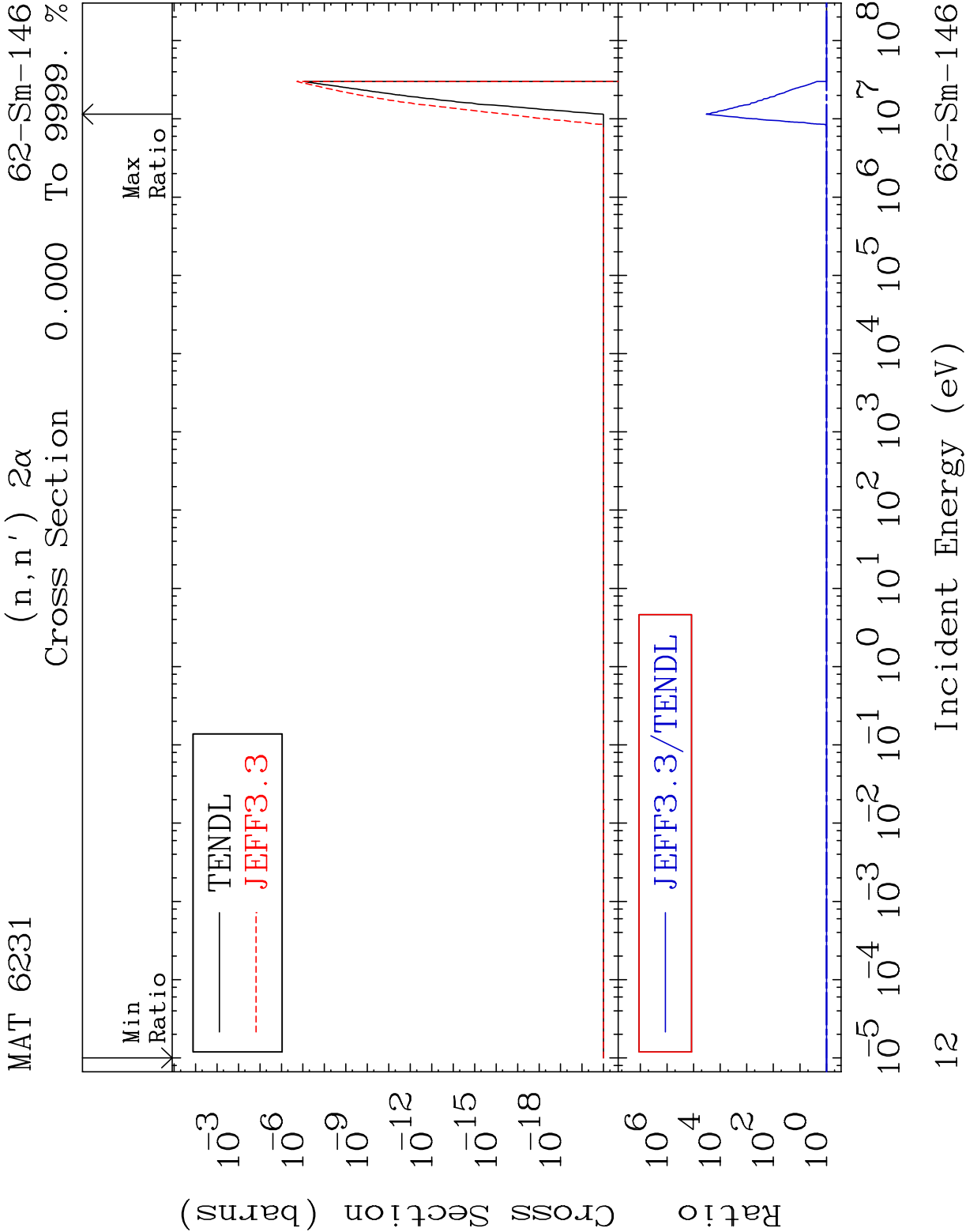
62-Sm-146

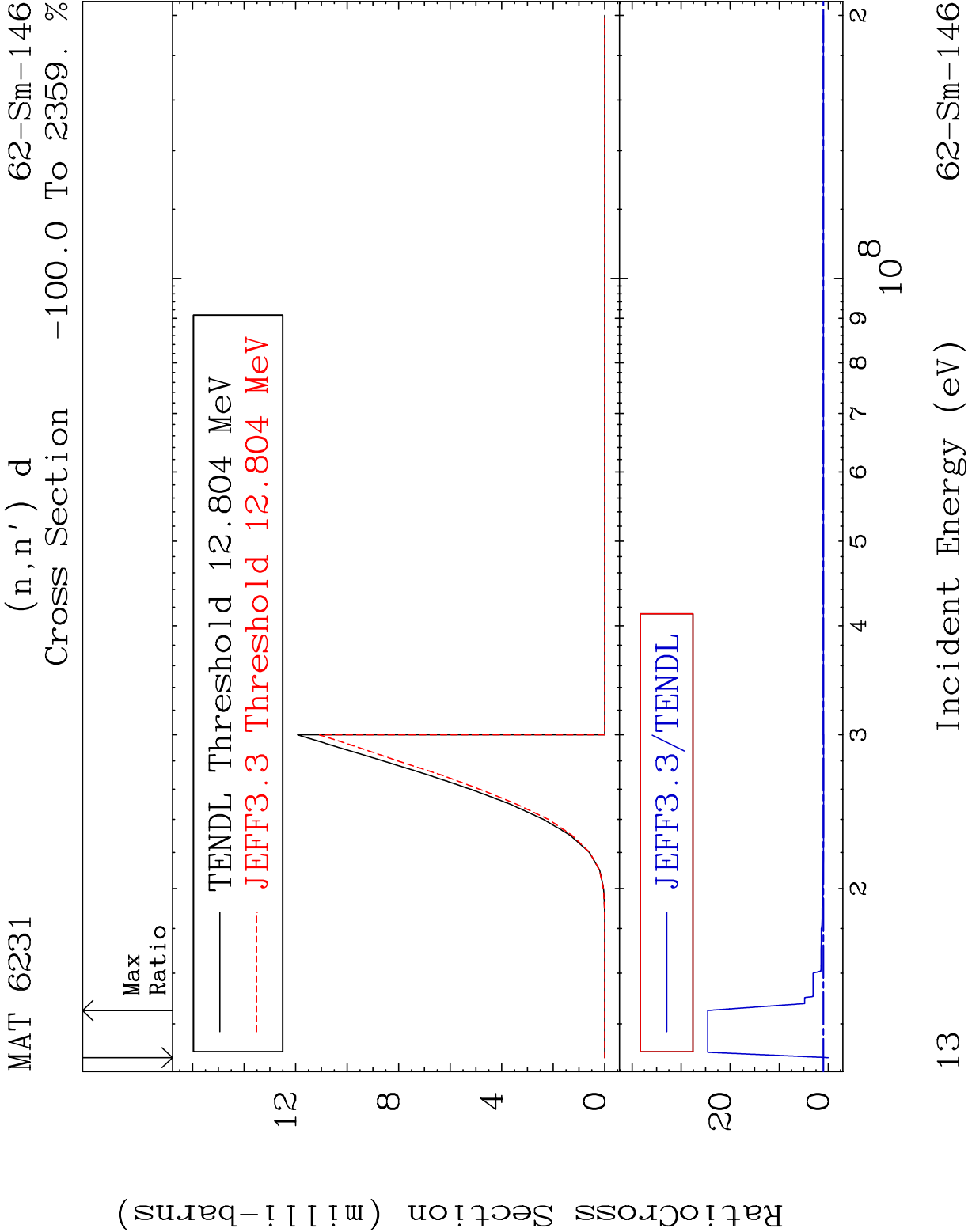


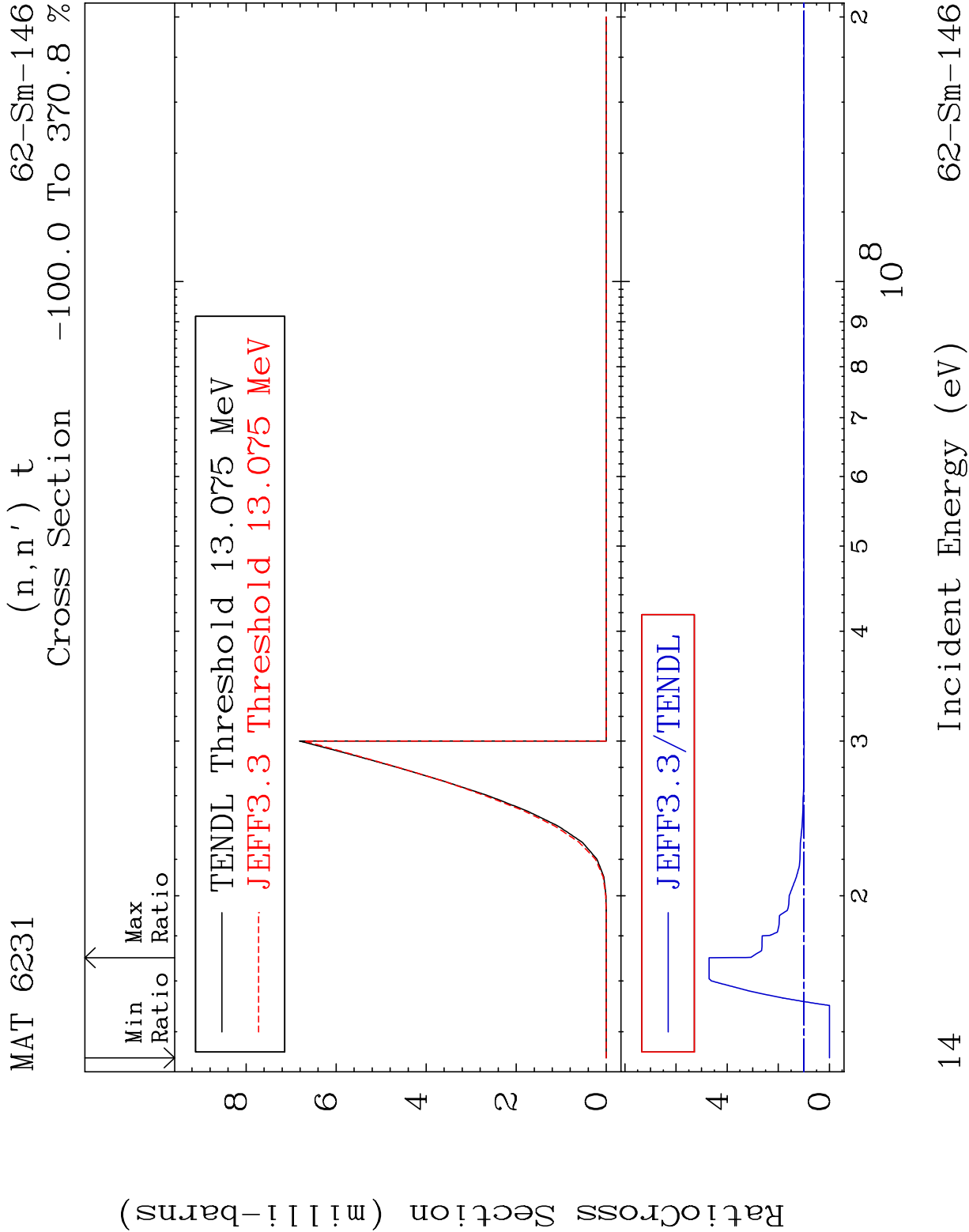


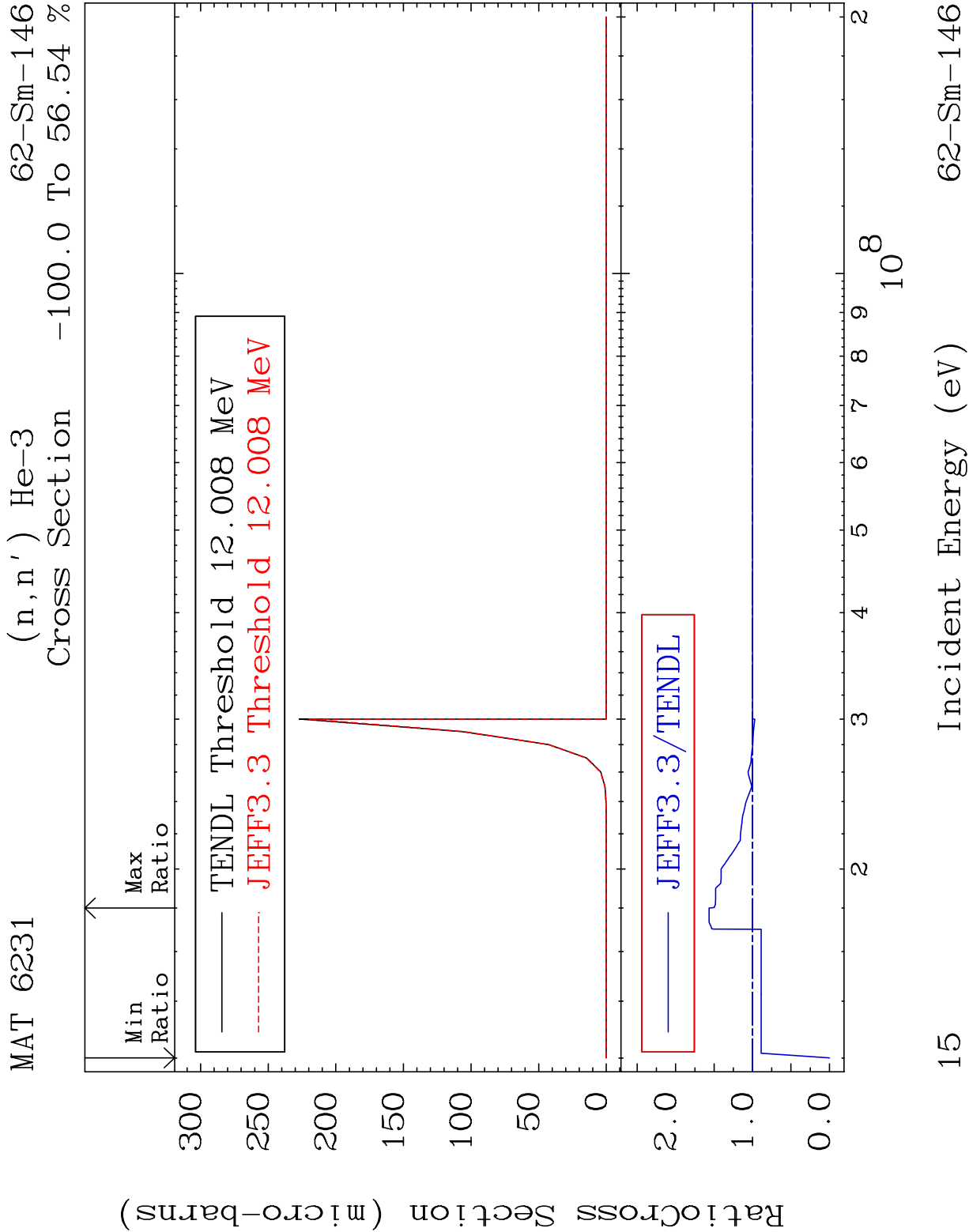


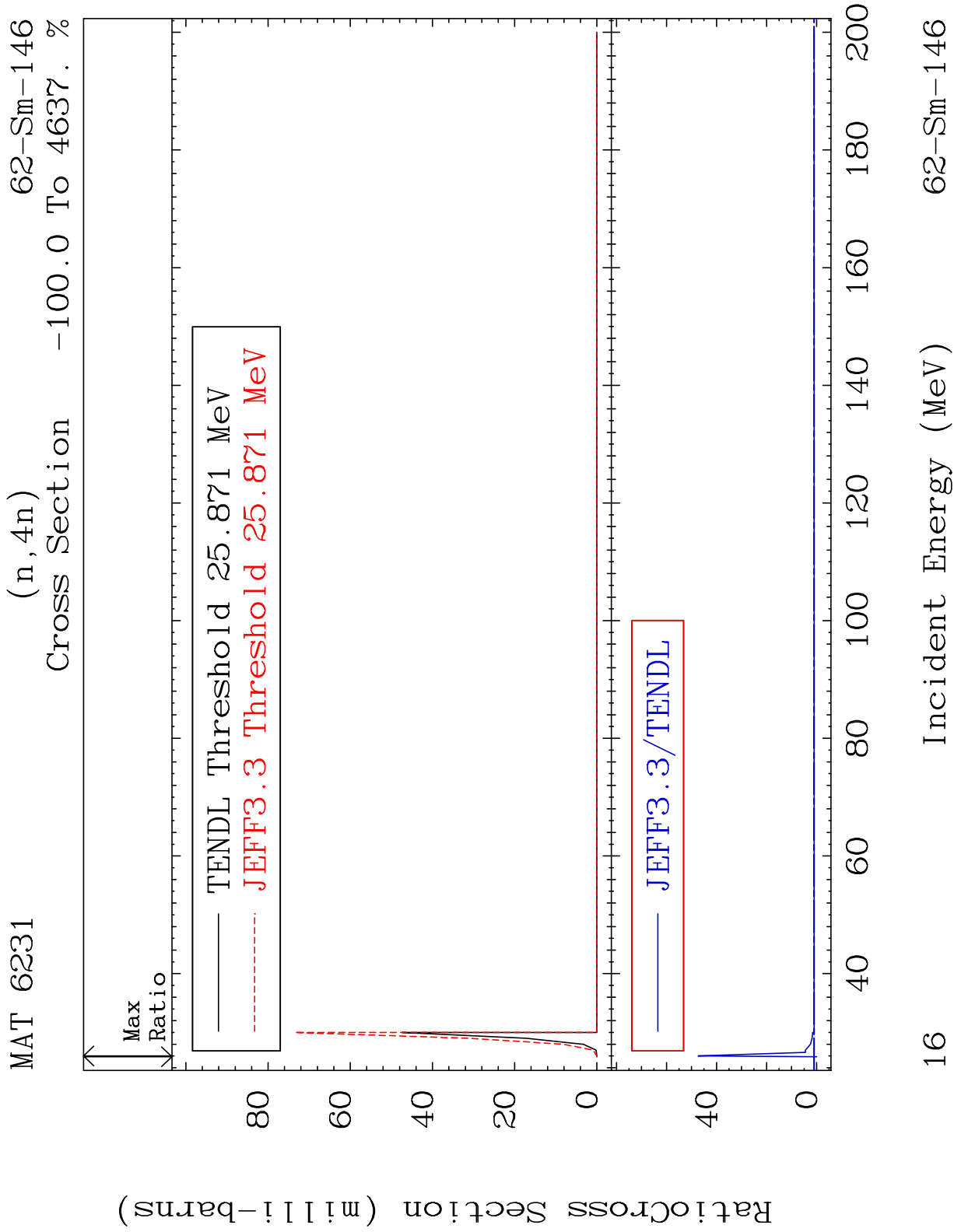






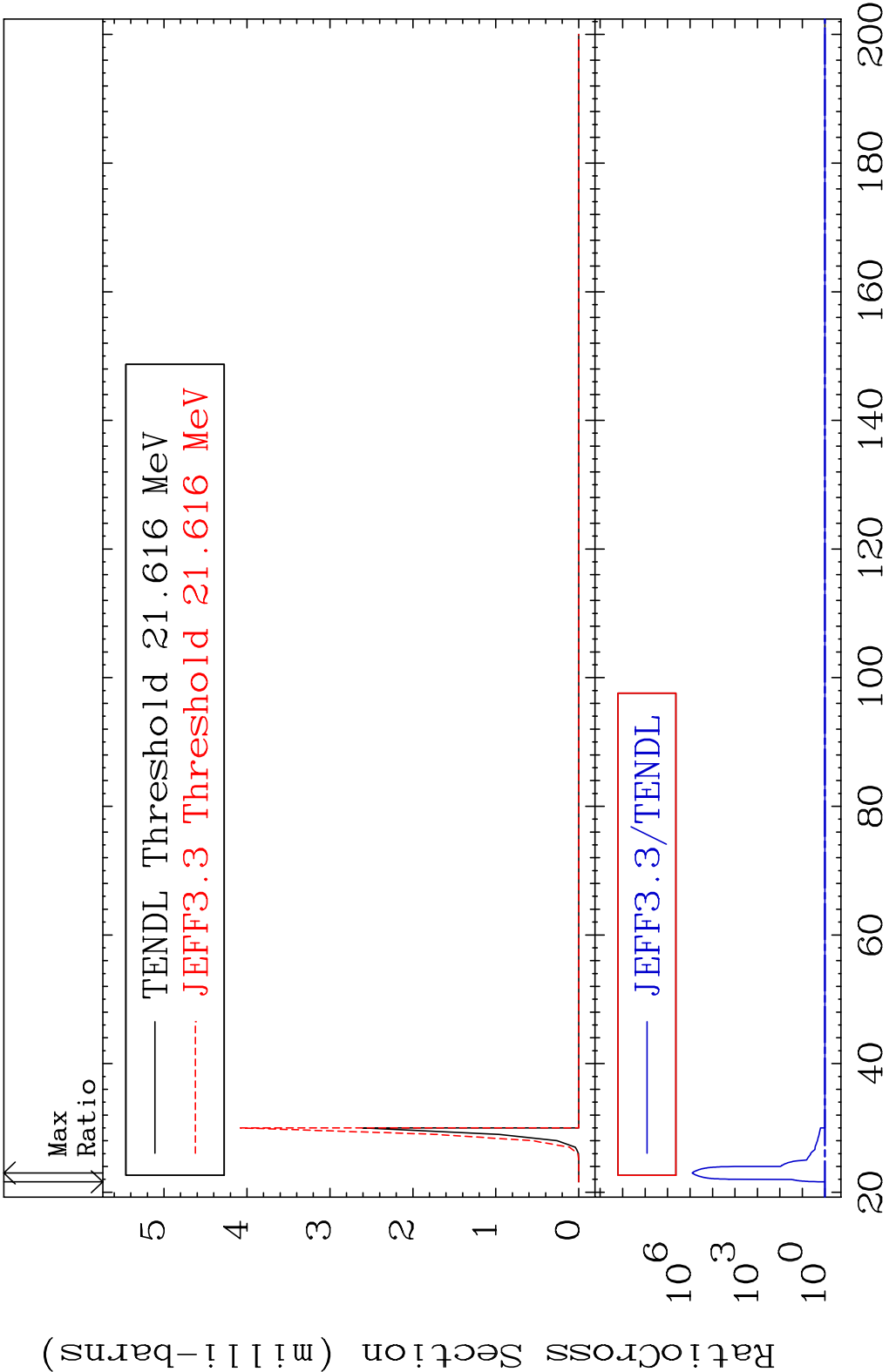


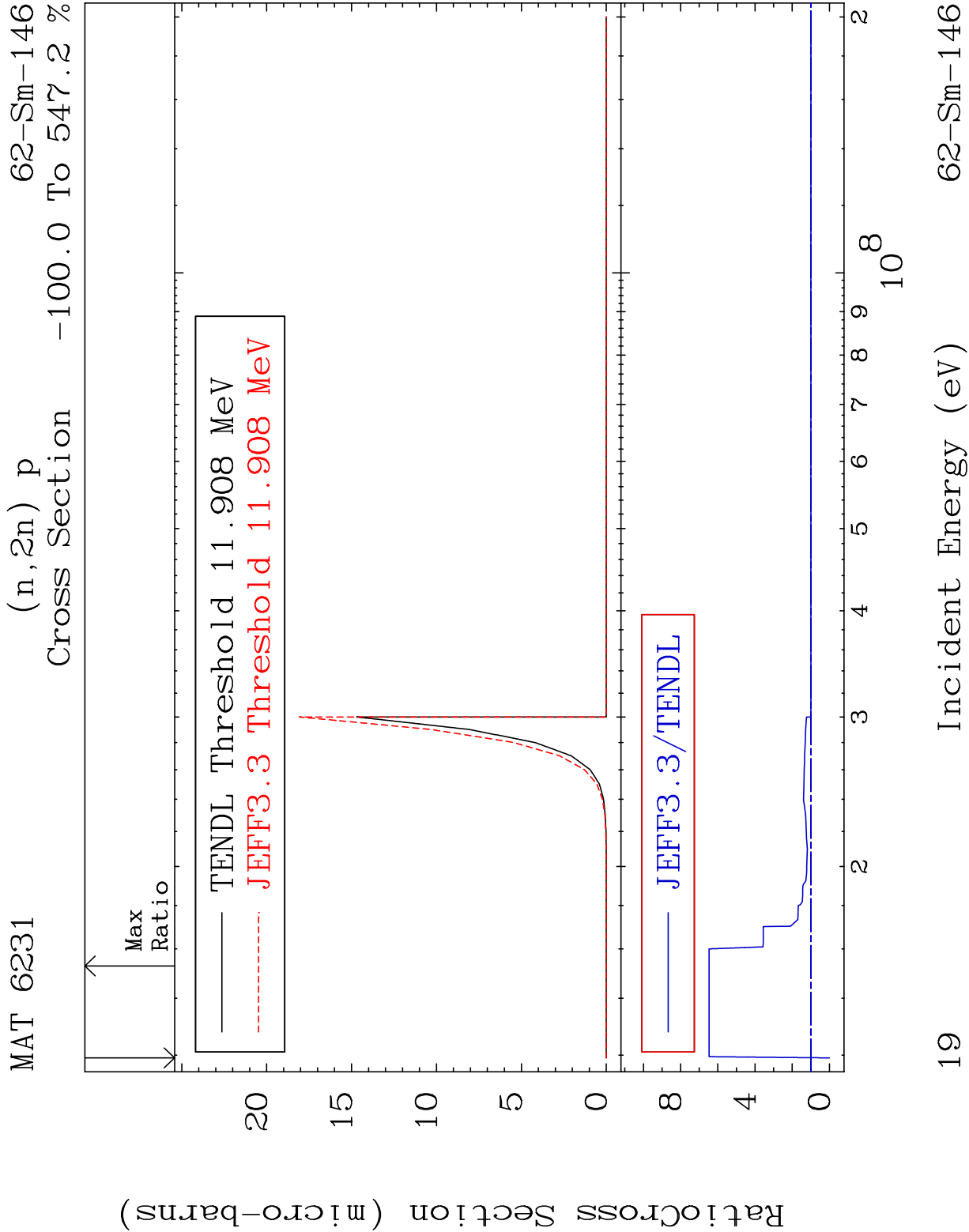


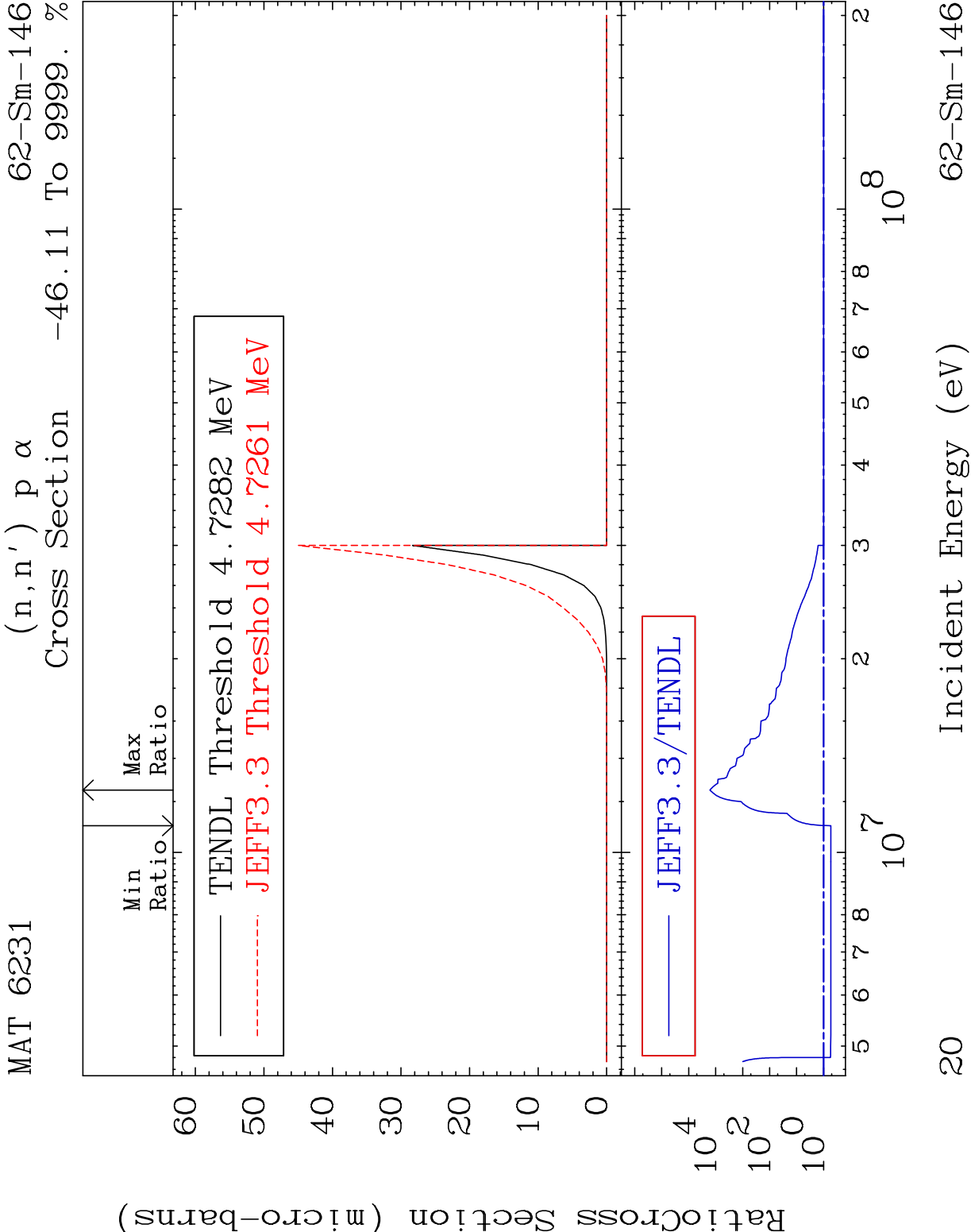




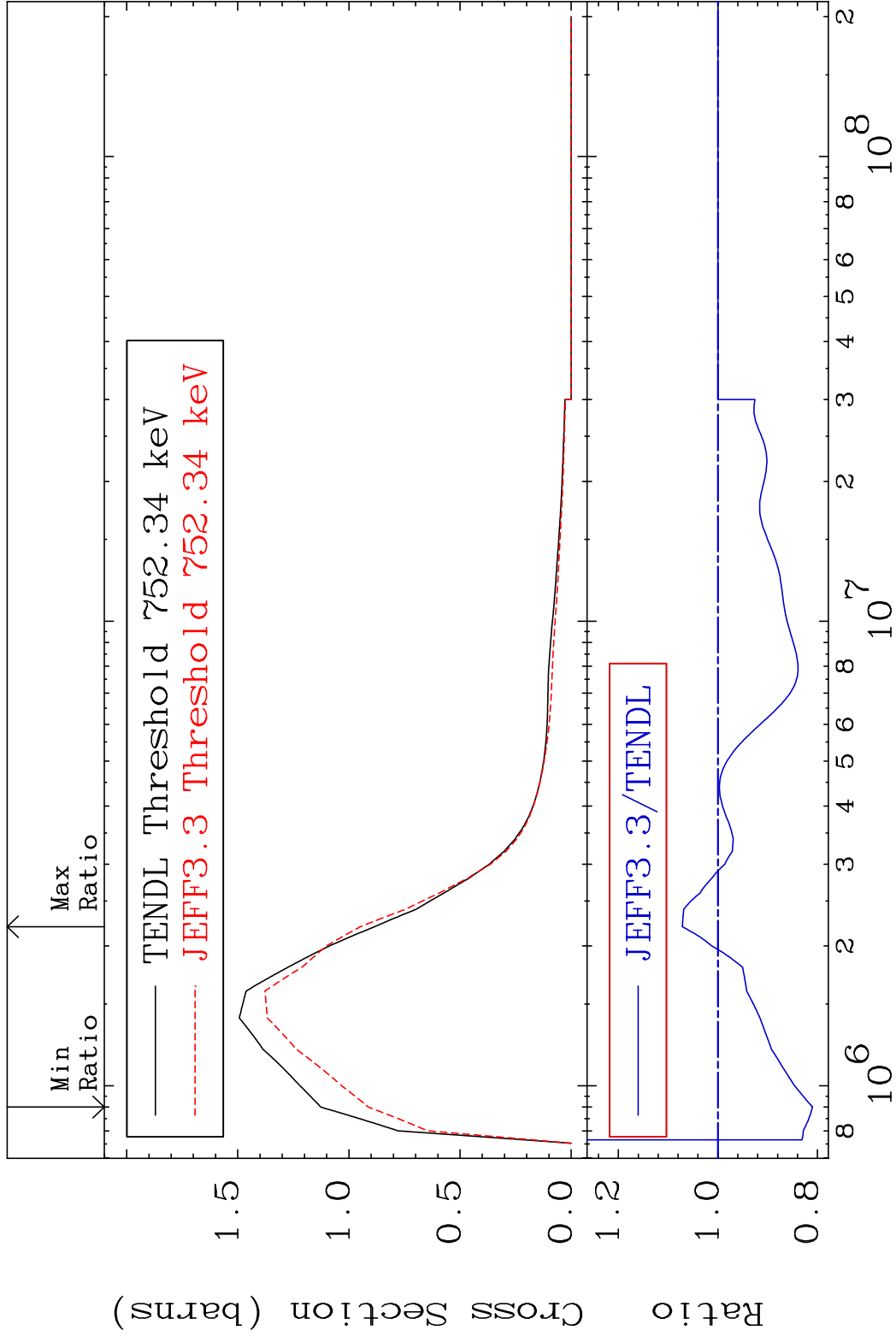
MAT 6231 (n,3n) p 62-Sm-146  
Cross Section 0.000 To 9999. %







MAT 6231      MT= 51 (n,n') Level      62-Sm-146  
Cross Section    -19.03 To 7.144 %



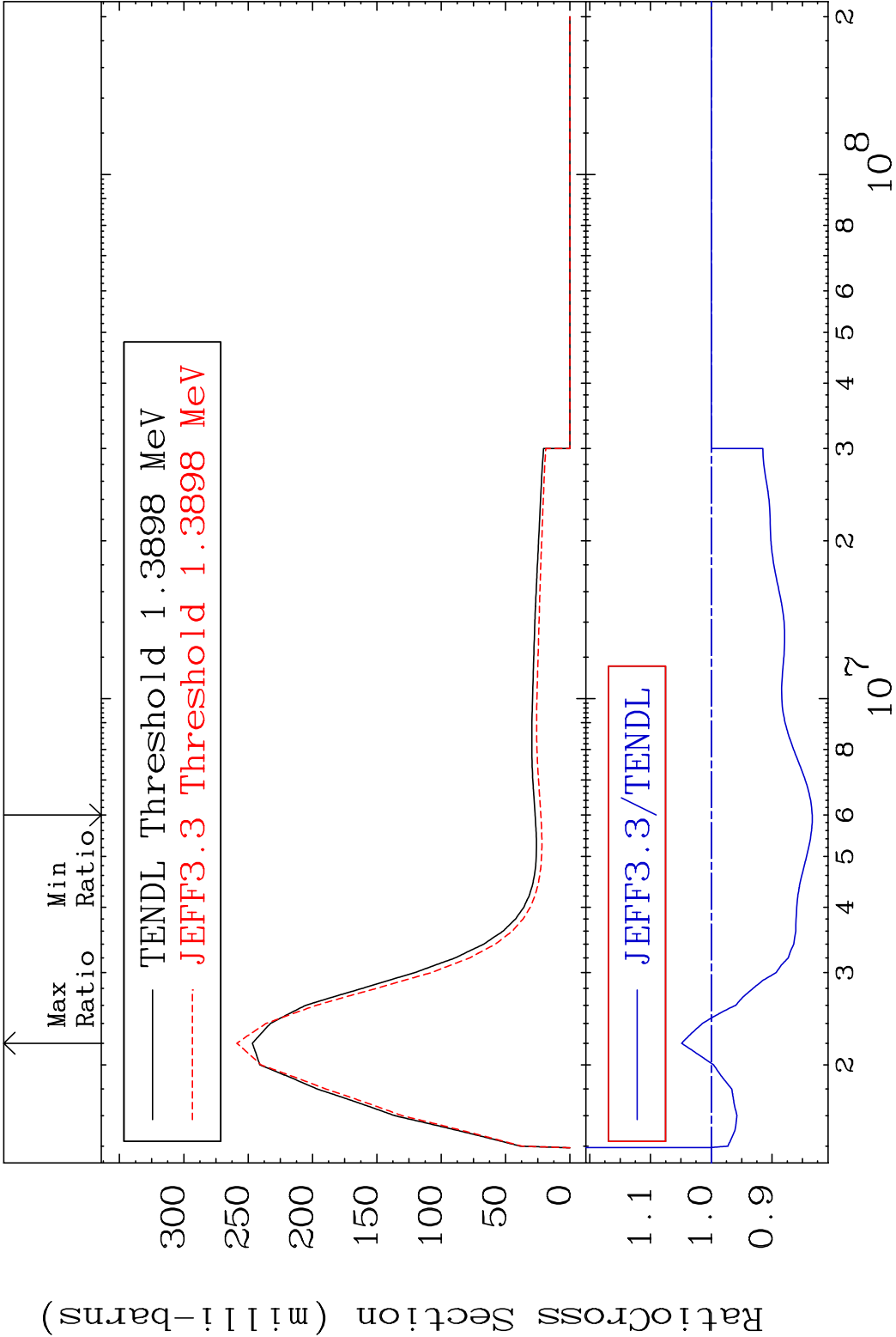
MAT 6231

MT= 52 (n,n') Level

62-Sm-146

Cross Section

-16.61 To 4.894 %



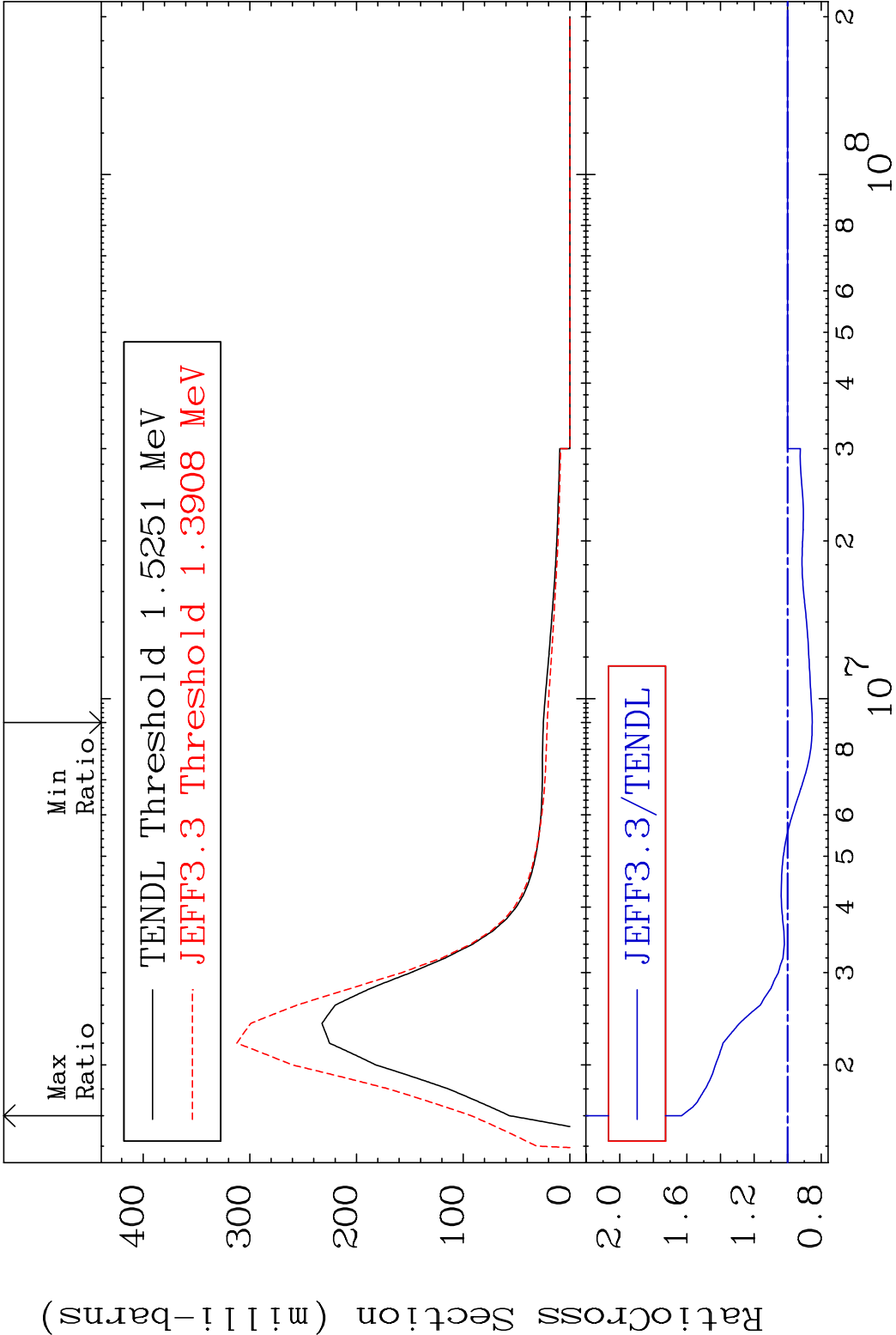
MAT 6231

MT= 53 (n,n') Level

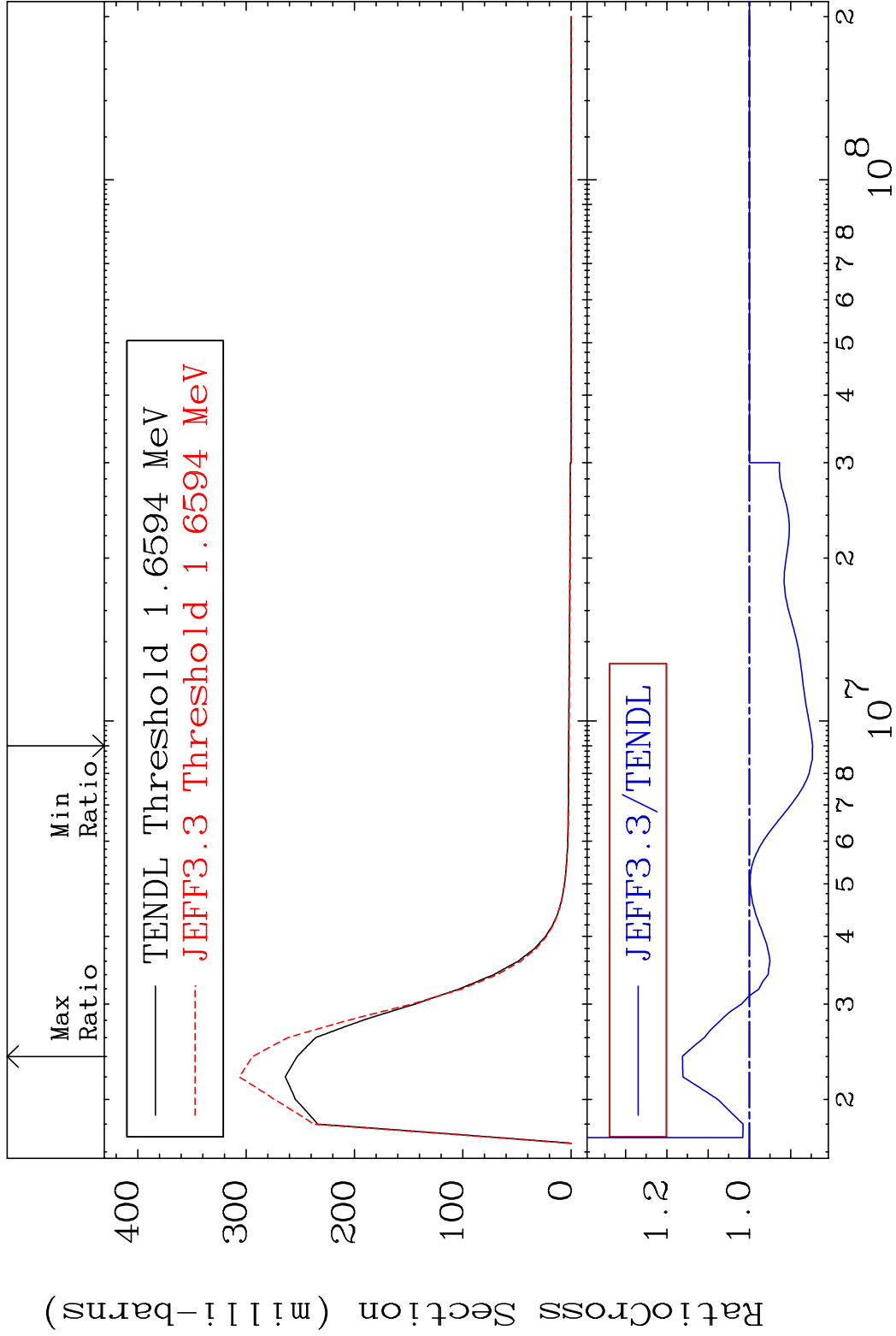
62-Sm-146

Cross Section

-14.70 To 63.22 %



MAT 6231      MT= 54 (n,n') Level      62-Sm-146  
Cross Section    -15.31 To 16.23 %

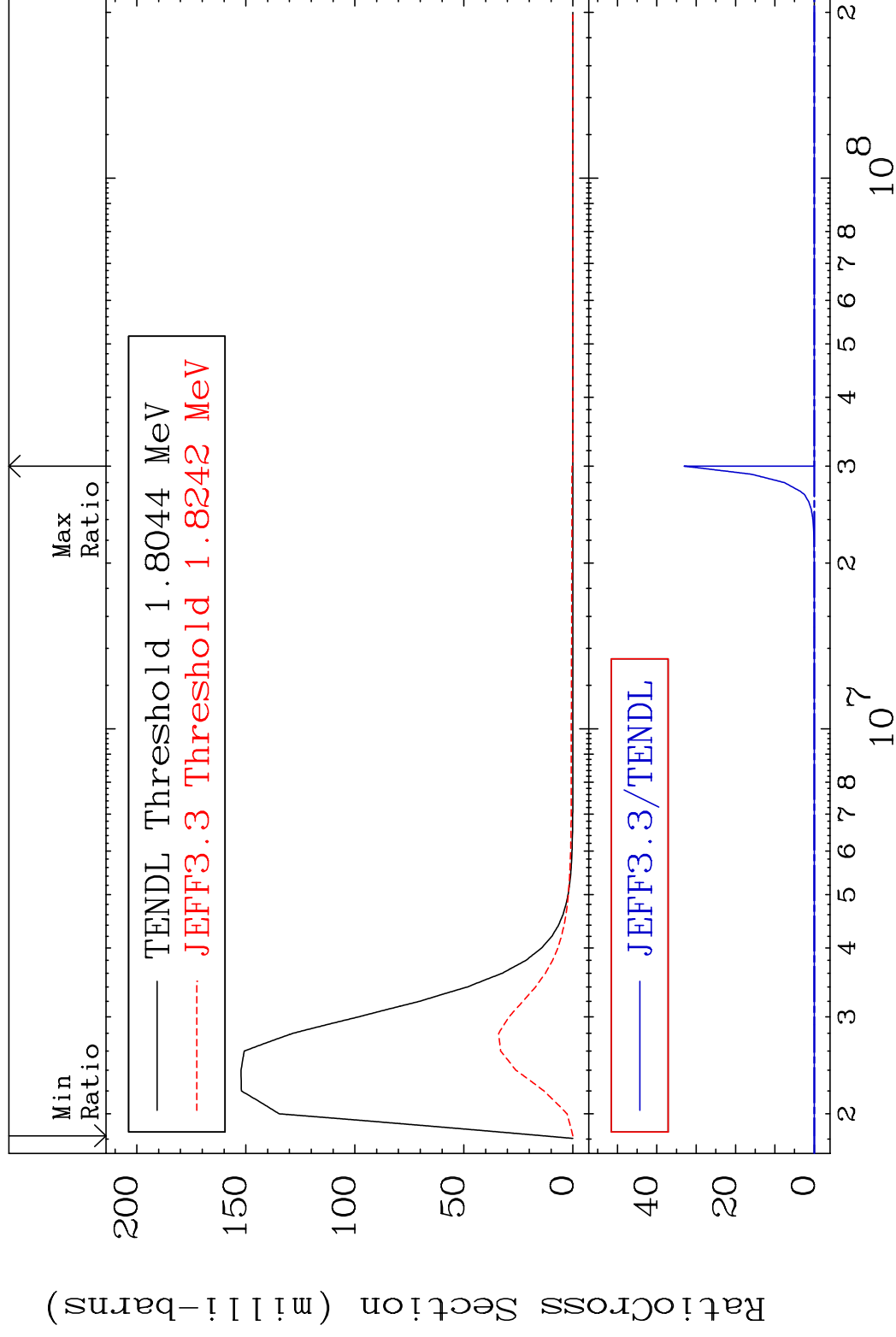


MAT 6231

MT=55 (n,n') Level

62-Sm-146

Cross Section -100.0 To 9999. %



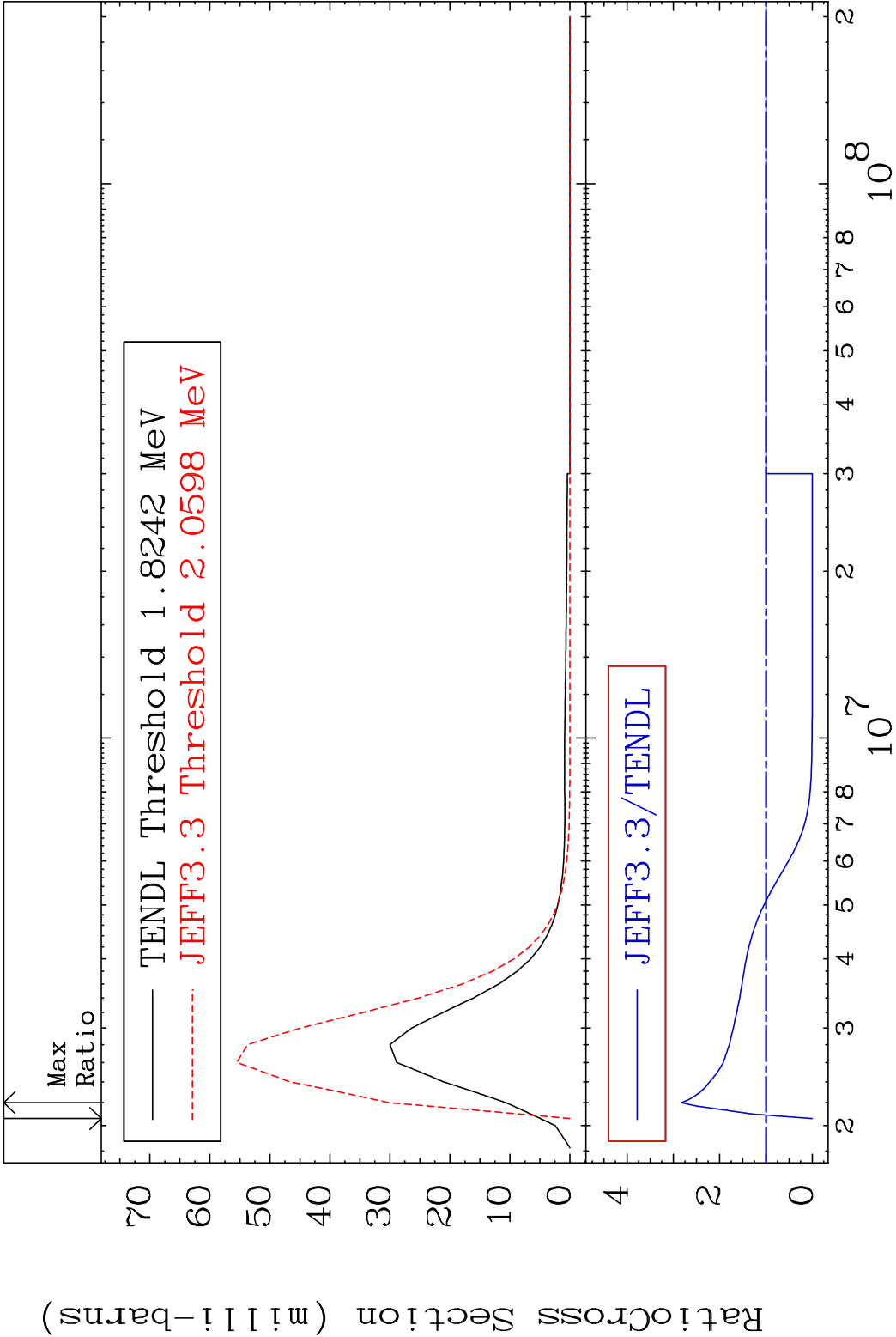
MAT 6231

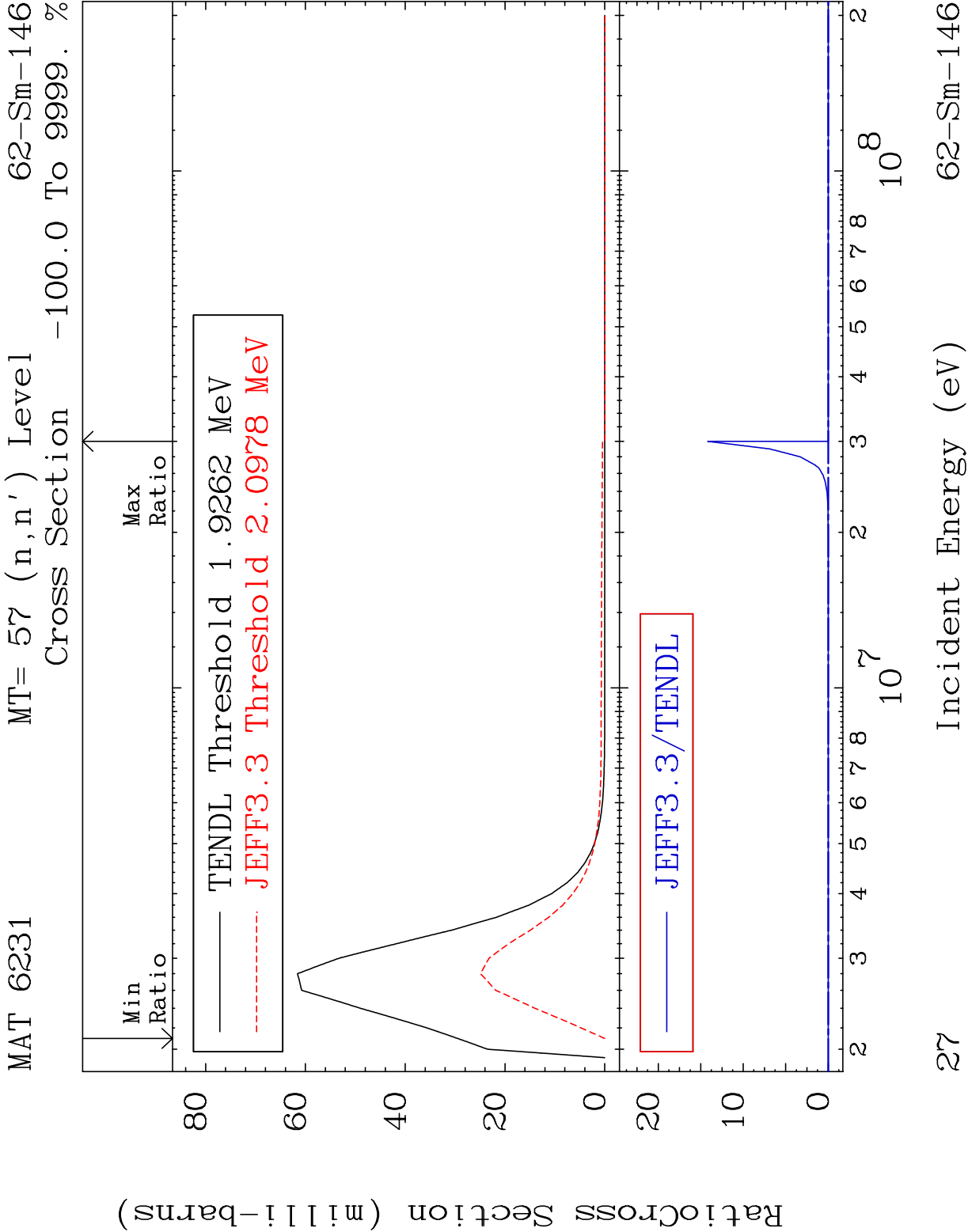
MT= 56 (n,n' ) Level

62-Sm-146

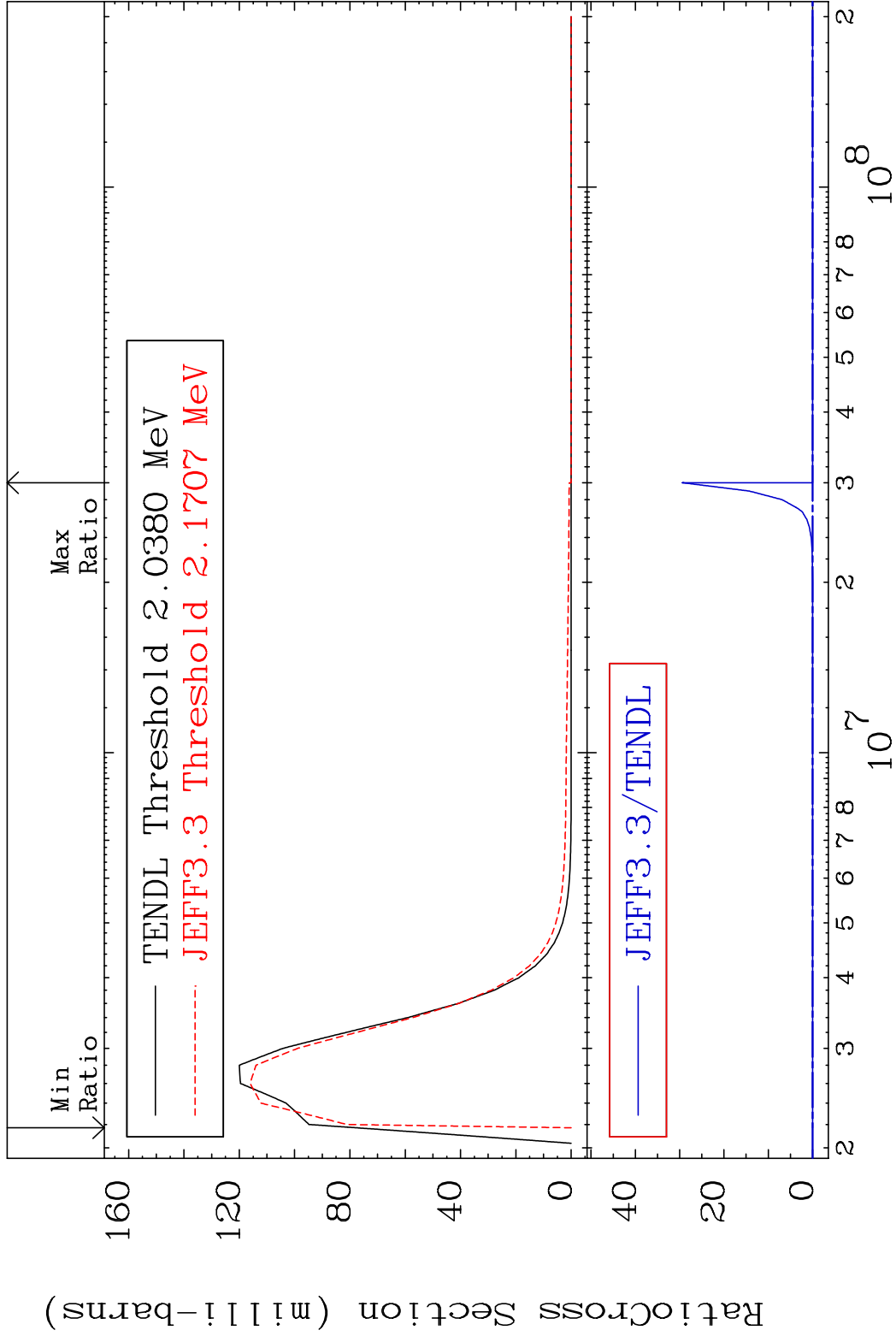
Cross Section

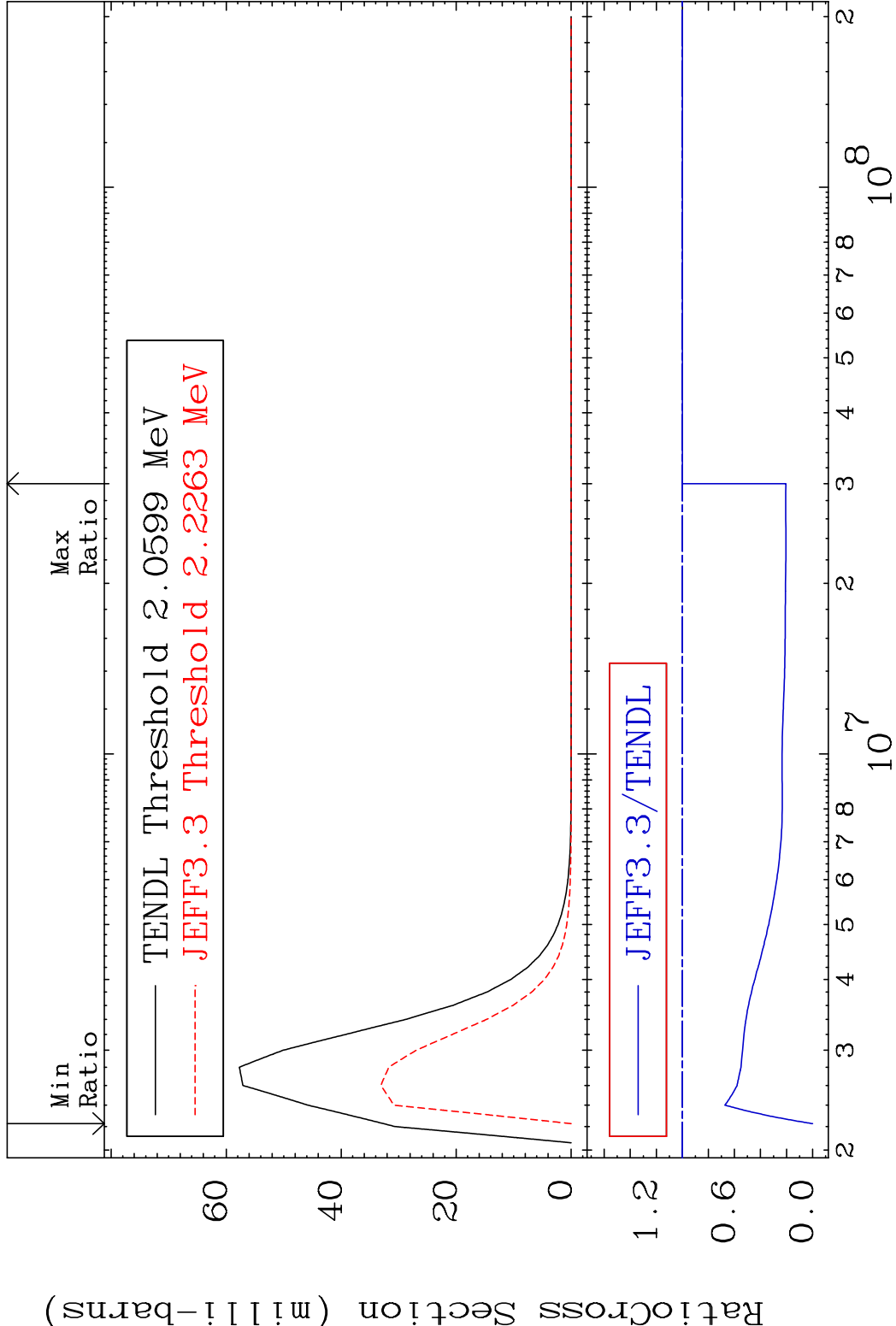
-100.0 To 182.3 %

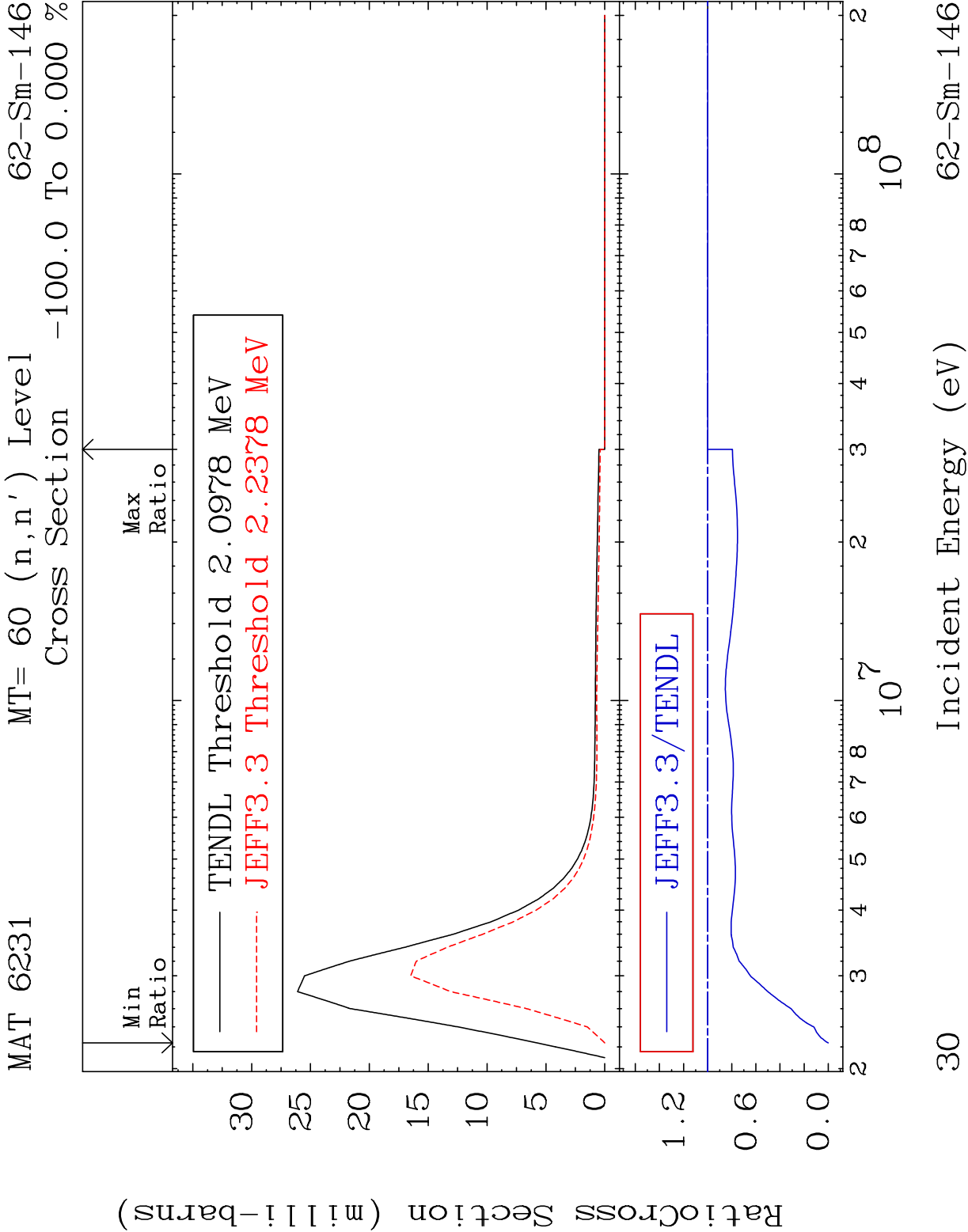




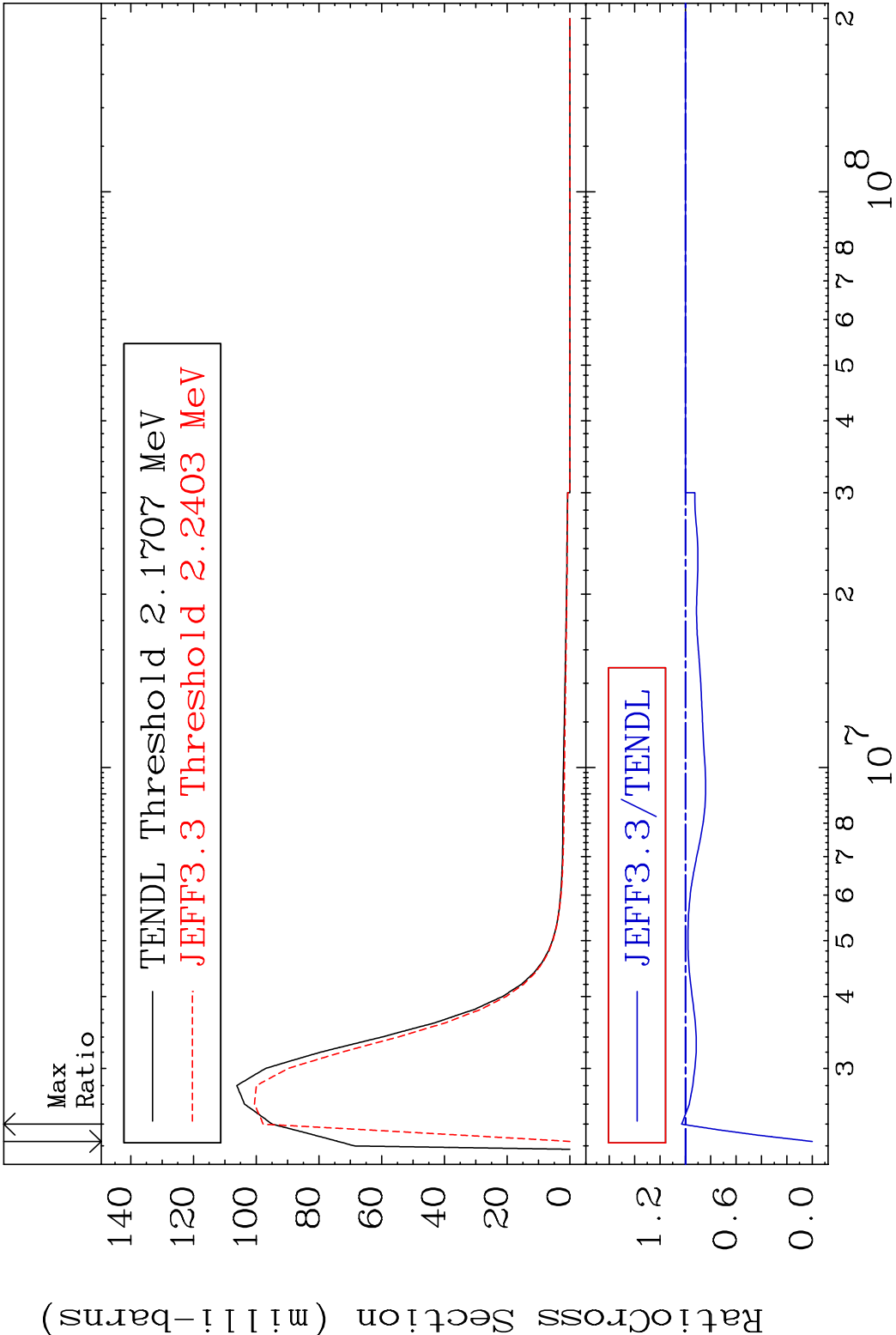
MAT 6231      MT= 58 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 9999. %



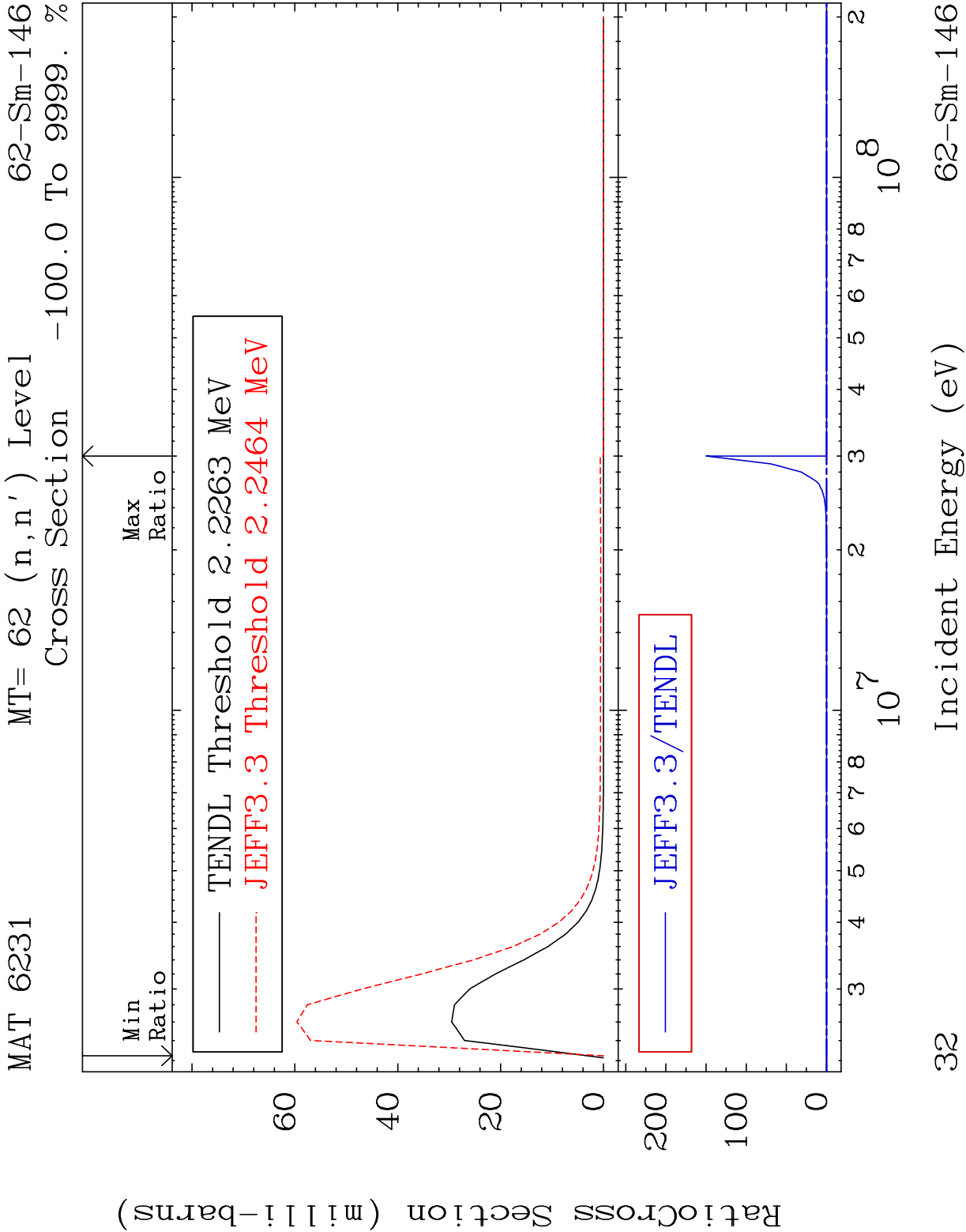




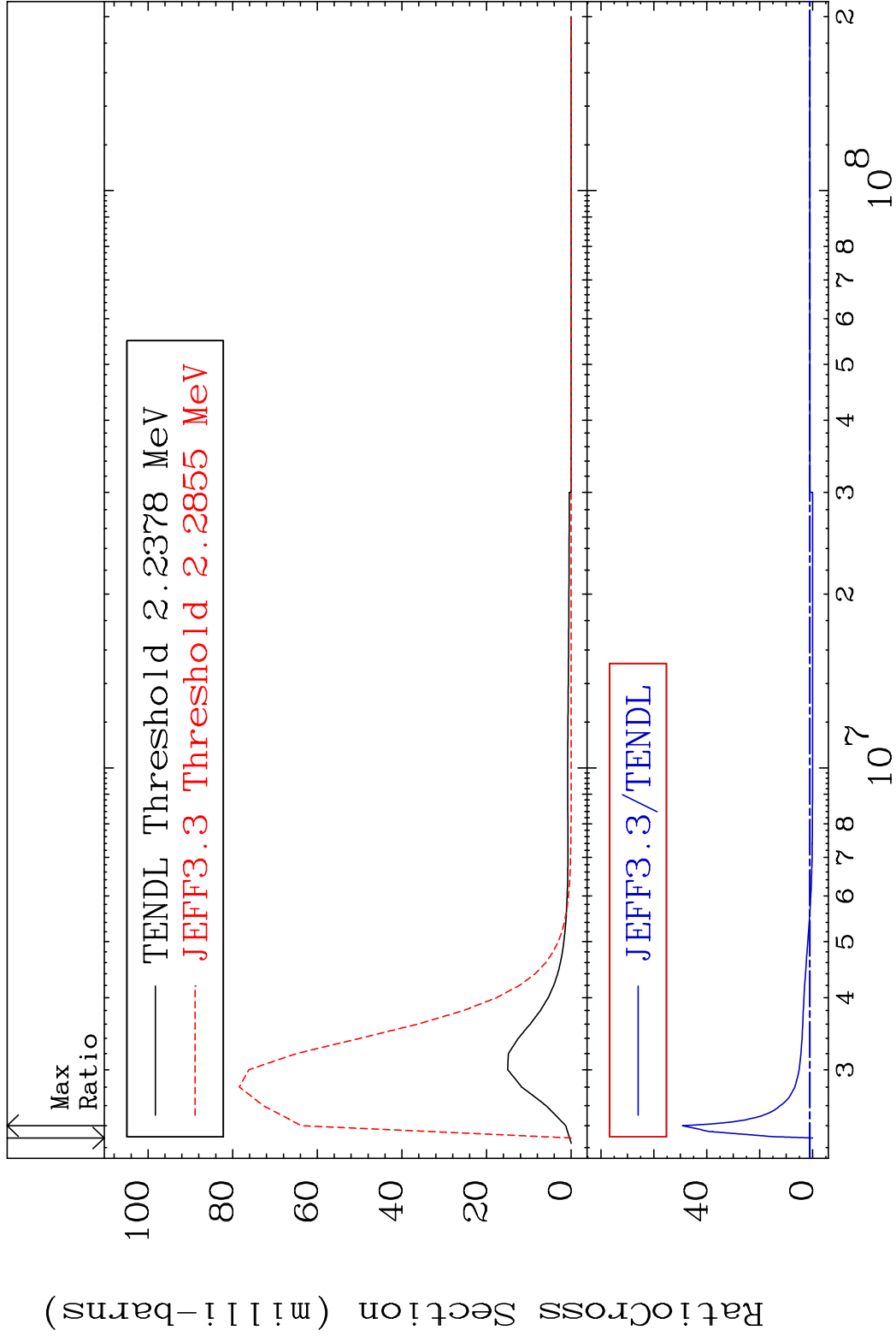
MAT 6231      MT= 61 (n,n') Level      62-Sm-146  
 Cross Section    -100.0 To 3.019 %

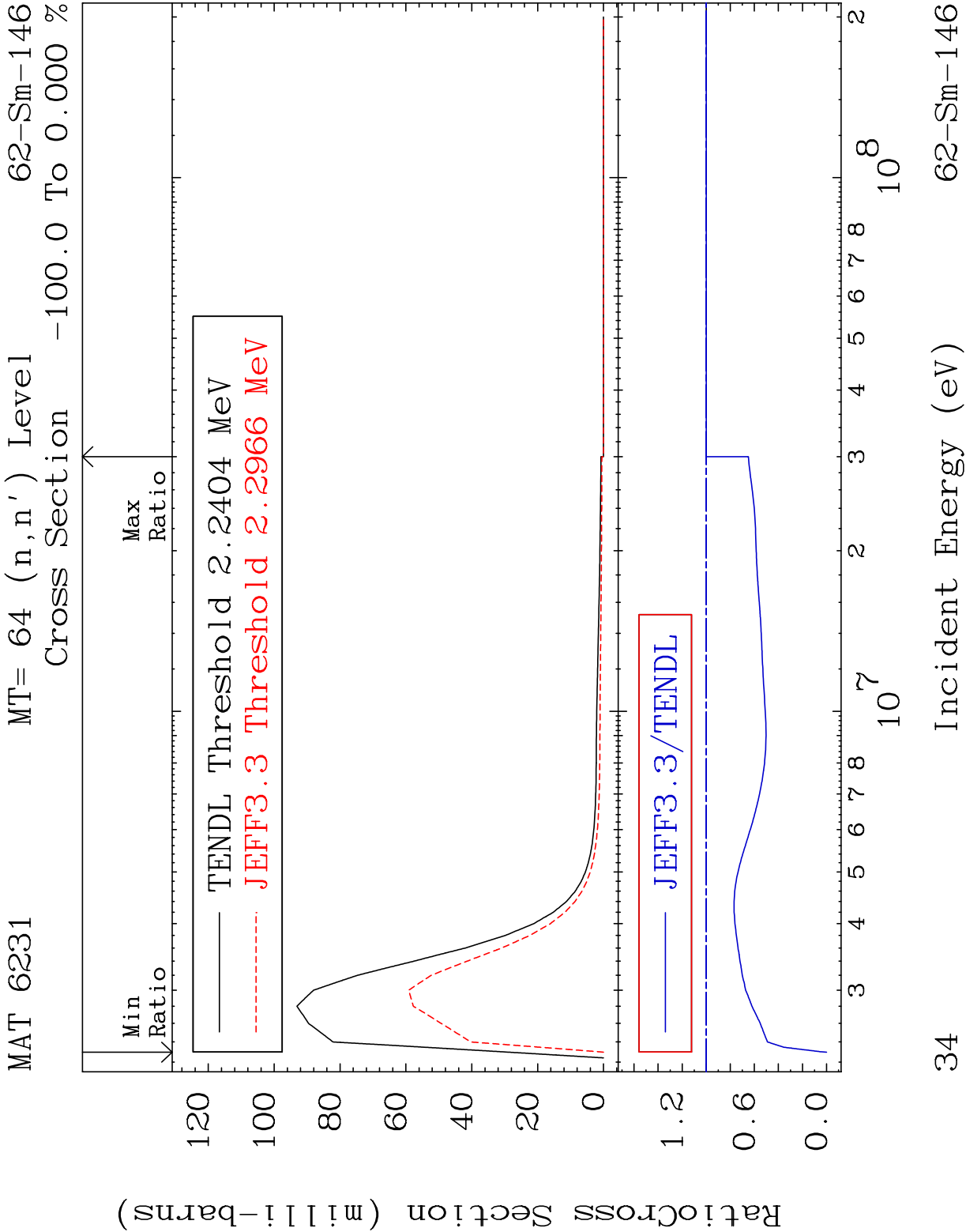


31      Incident Energy (eV)      62-Sm-146

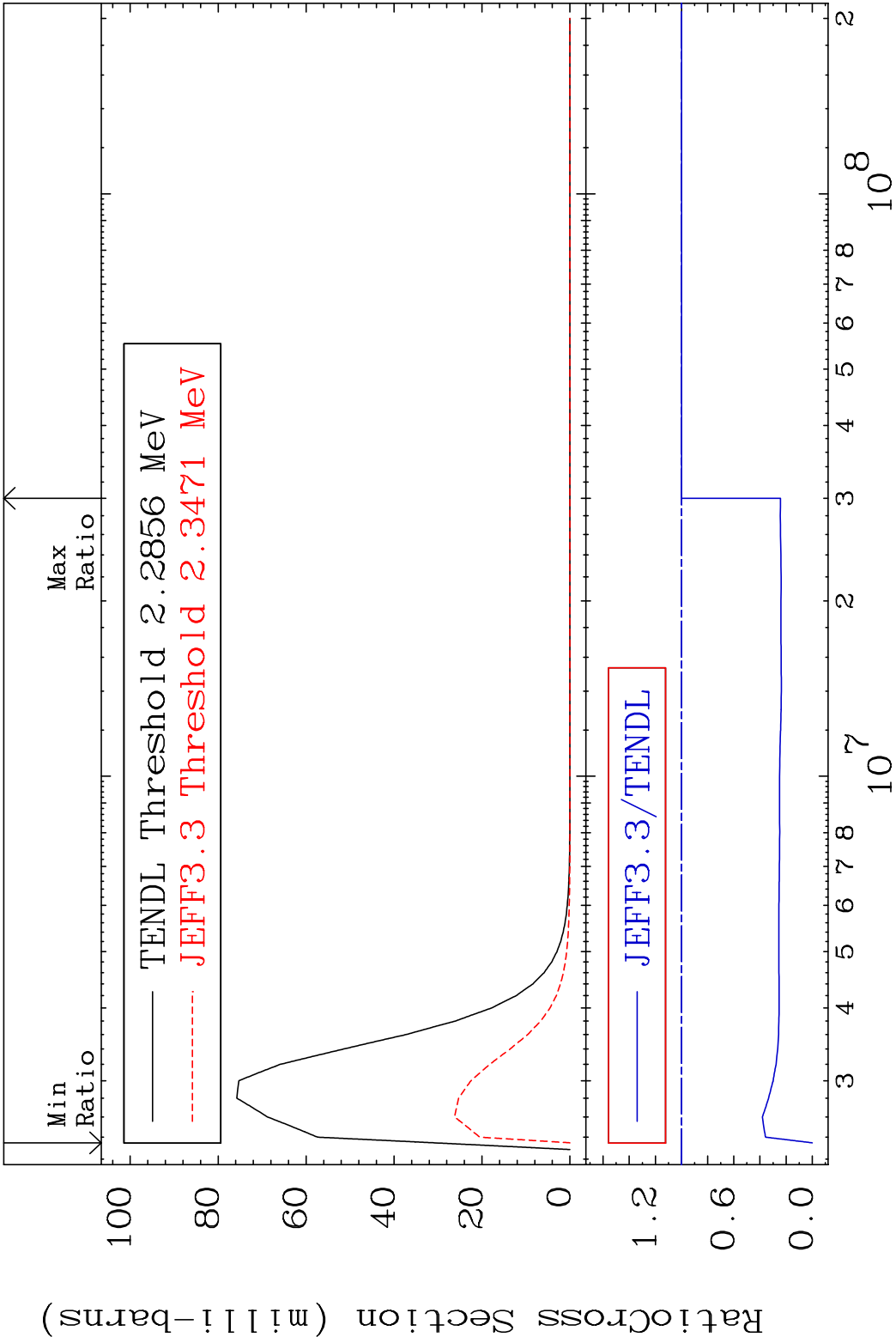


MAT 6231      MT= 63 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 4824. %

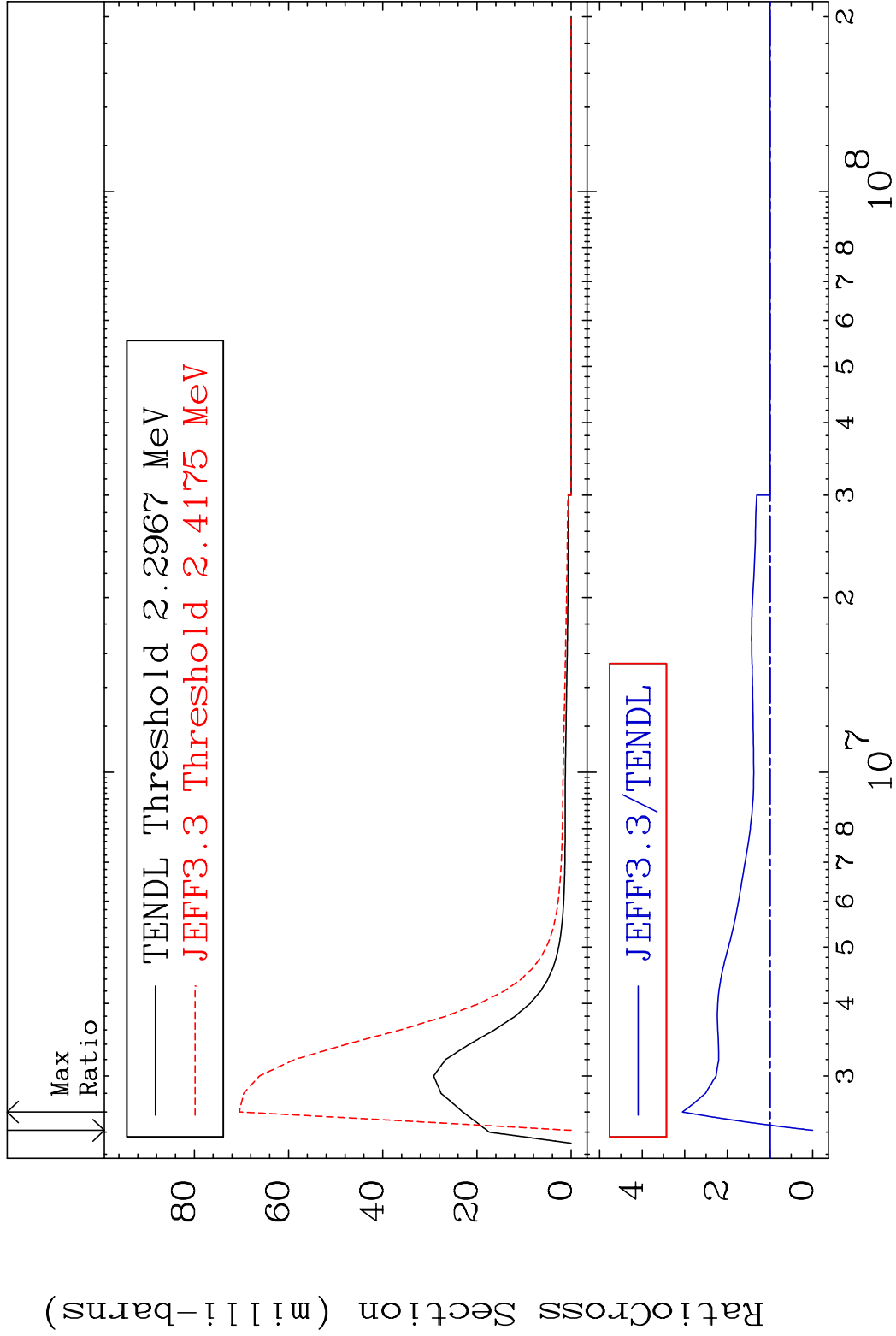




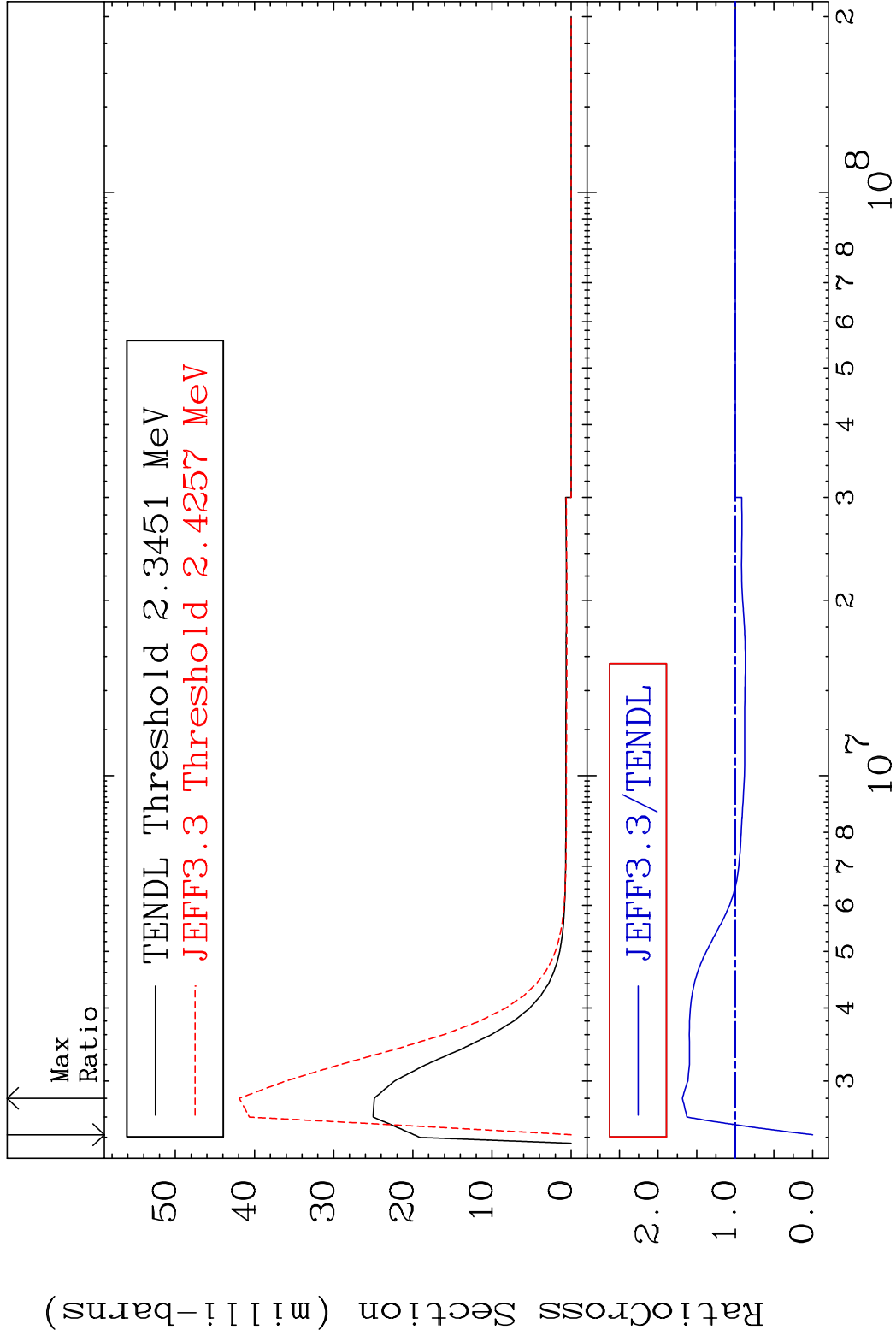
MAT 6231      MT= 65 (n,n') Level      62-Sm-146  
 Cross Section    -100.0 To 0.000 %

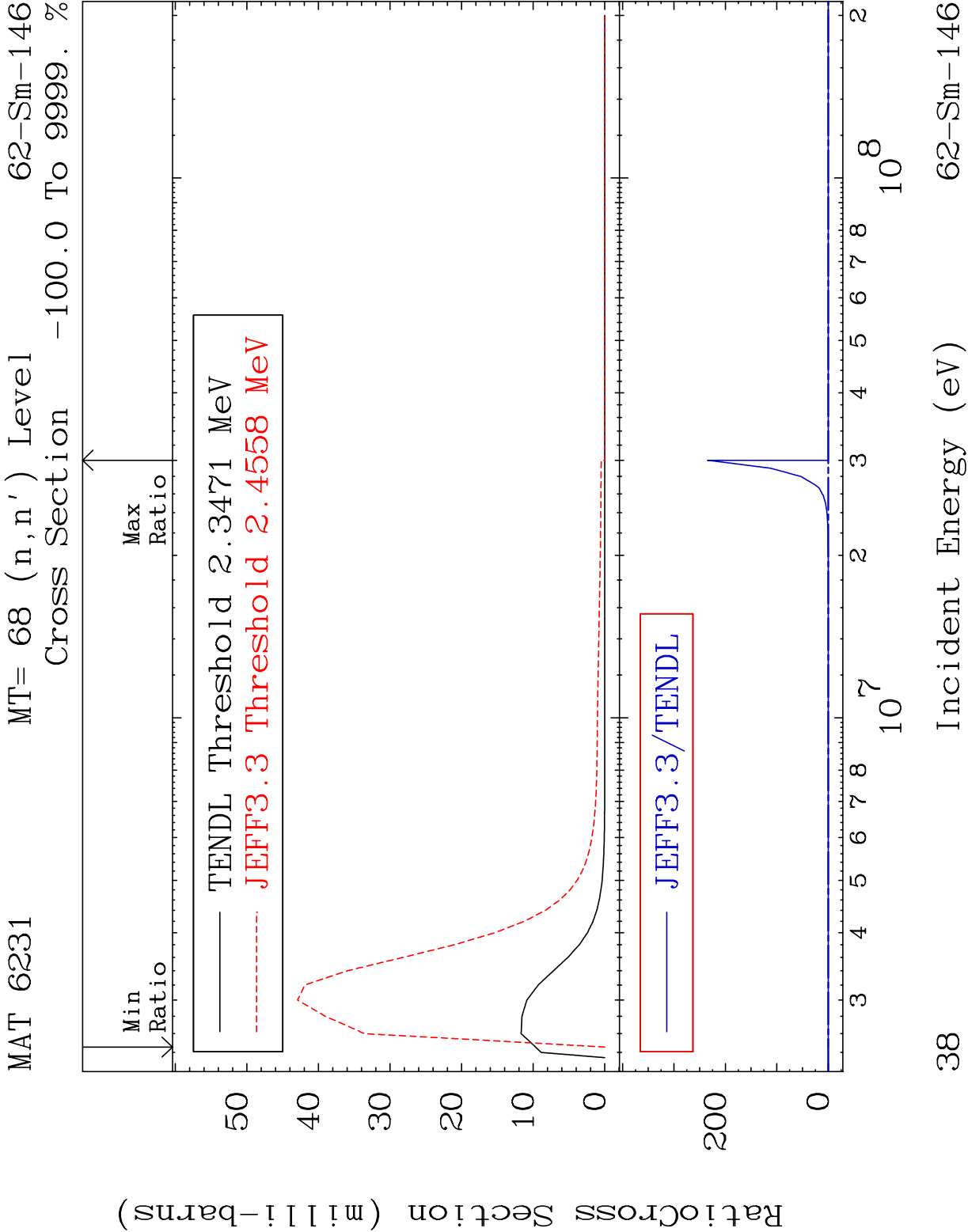


MAT 6231      MT= 66 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 205.7 %

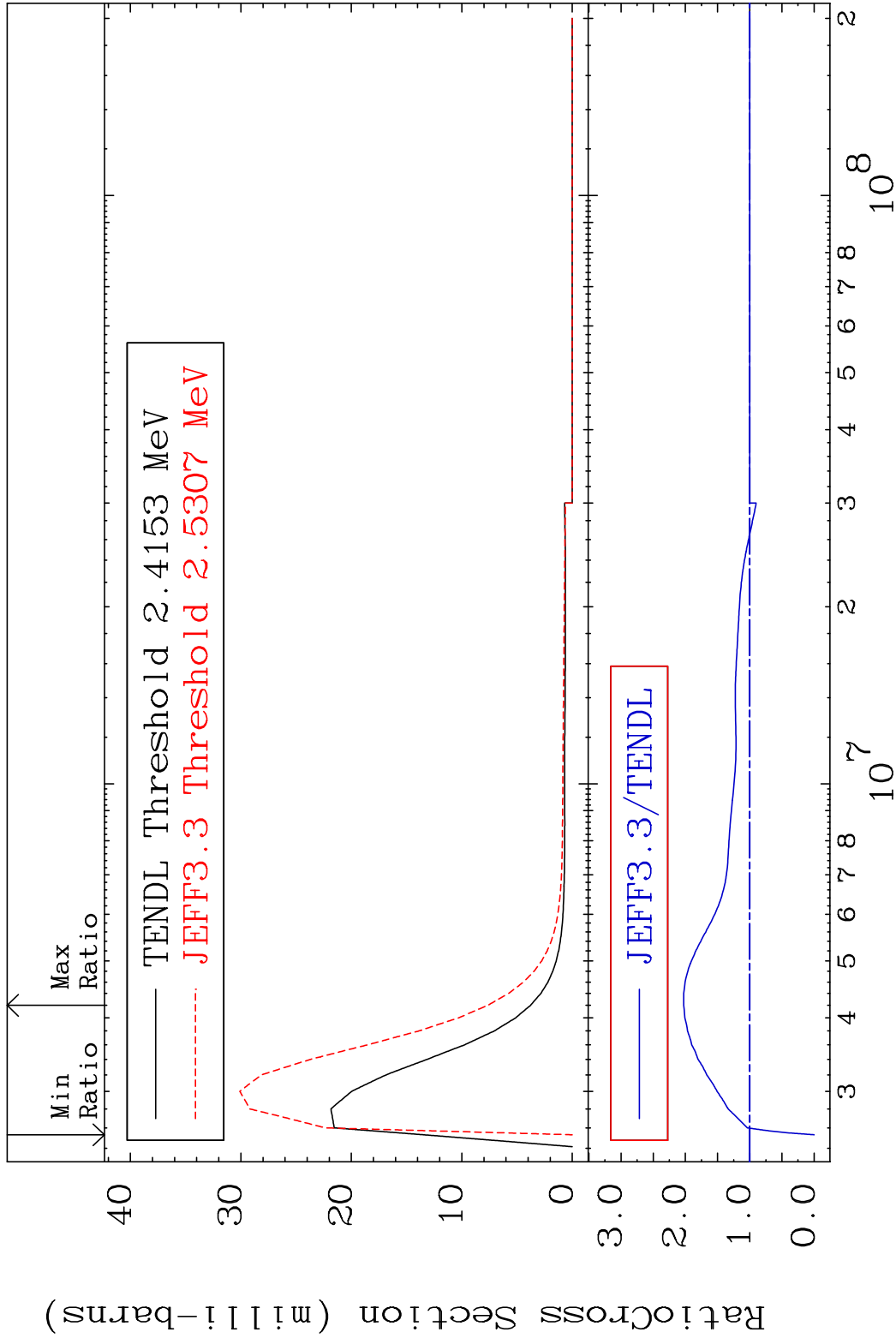


MAT 6231      MT= 67 (n,n') Level      62-Sm-146  
 Cross Section    -100.0 To 68.51 %

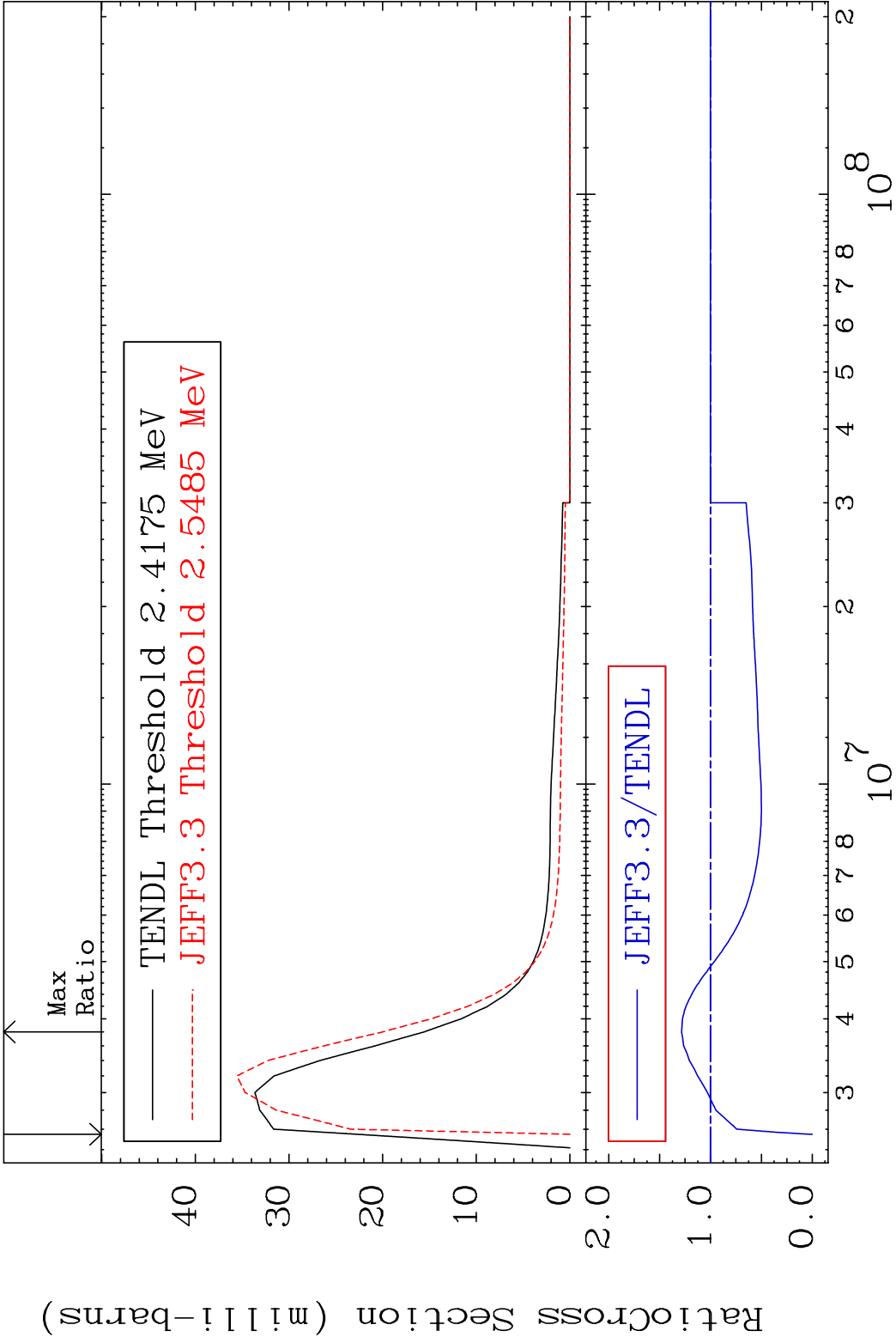




MAT 6231      MT= 69 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 102.7 %

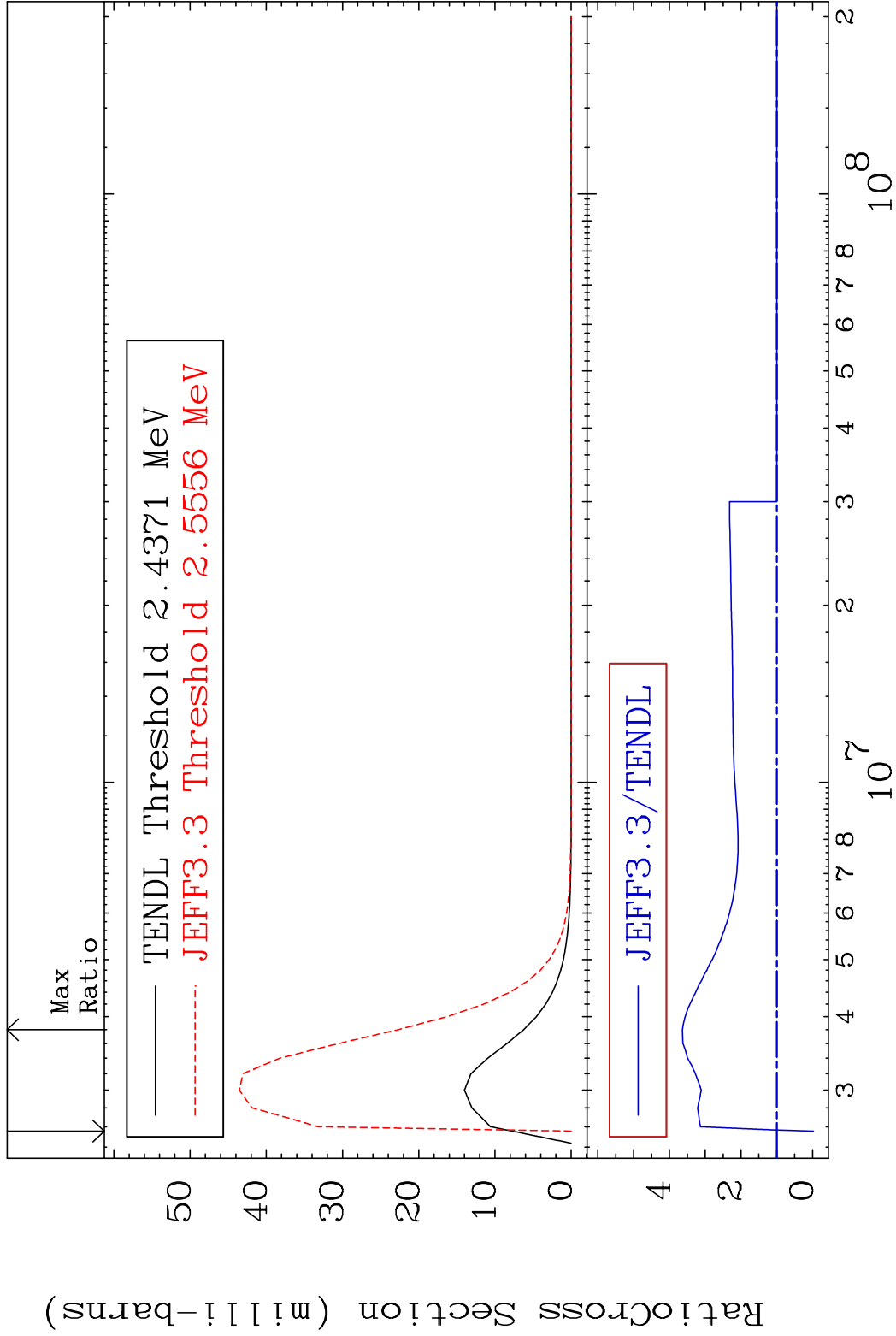


MAT 6231      MT= 70 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 28.46 %

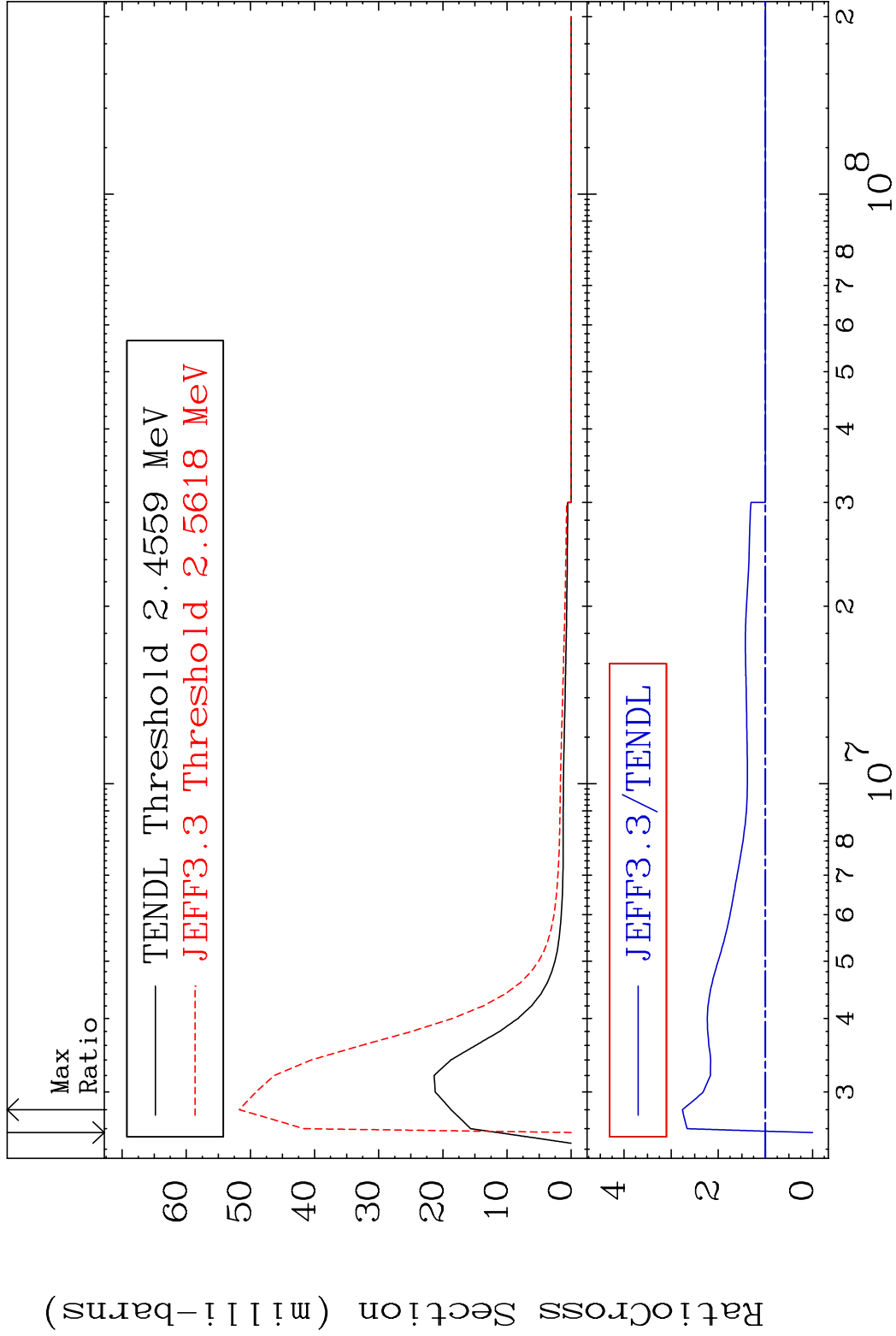


40      Incident Energy (eV)      62-Sm-146

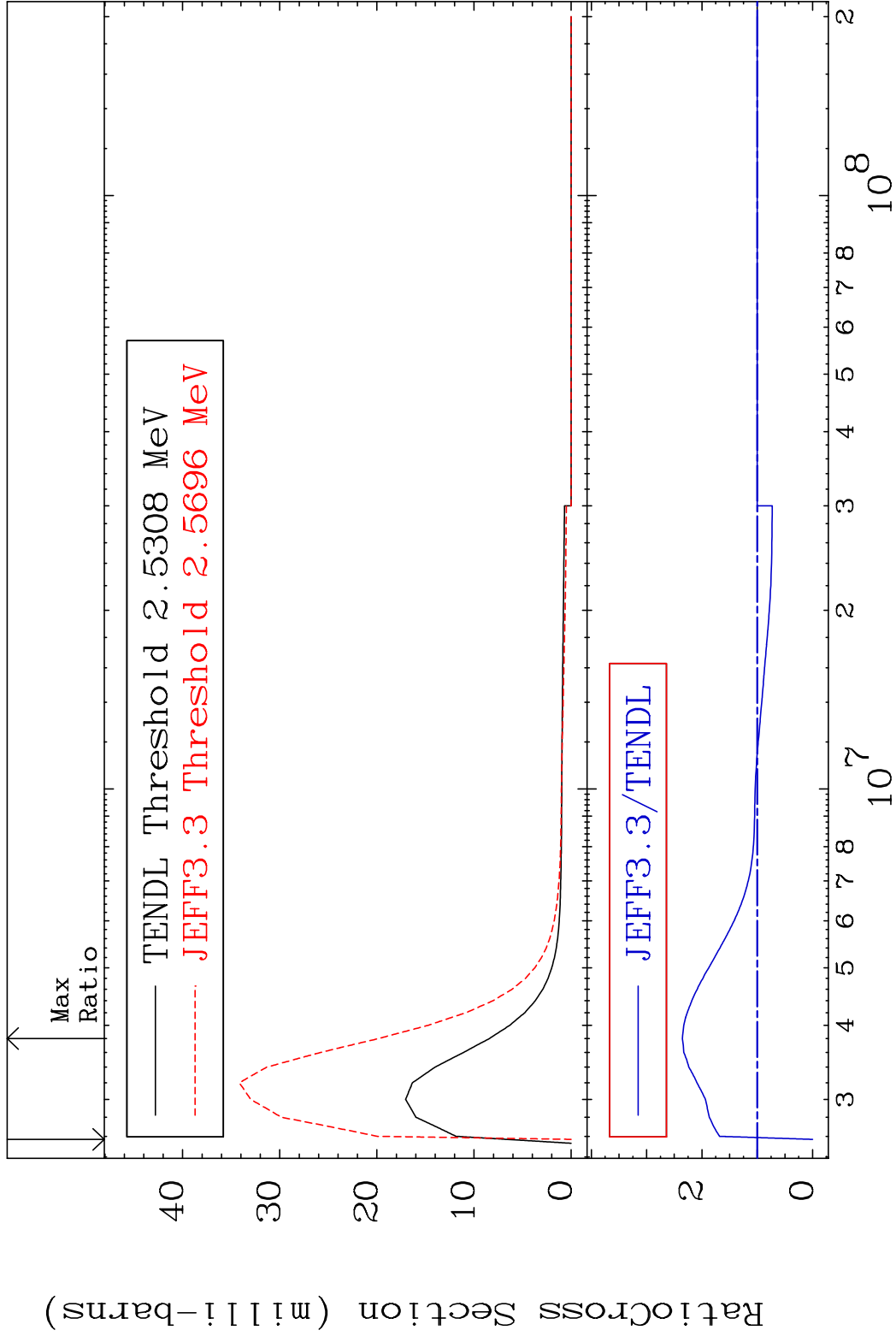
MAT 6231      MT= 71 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 263.9 %



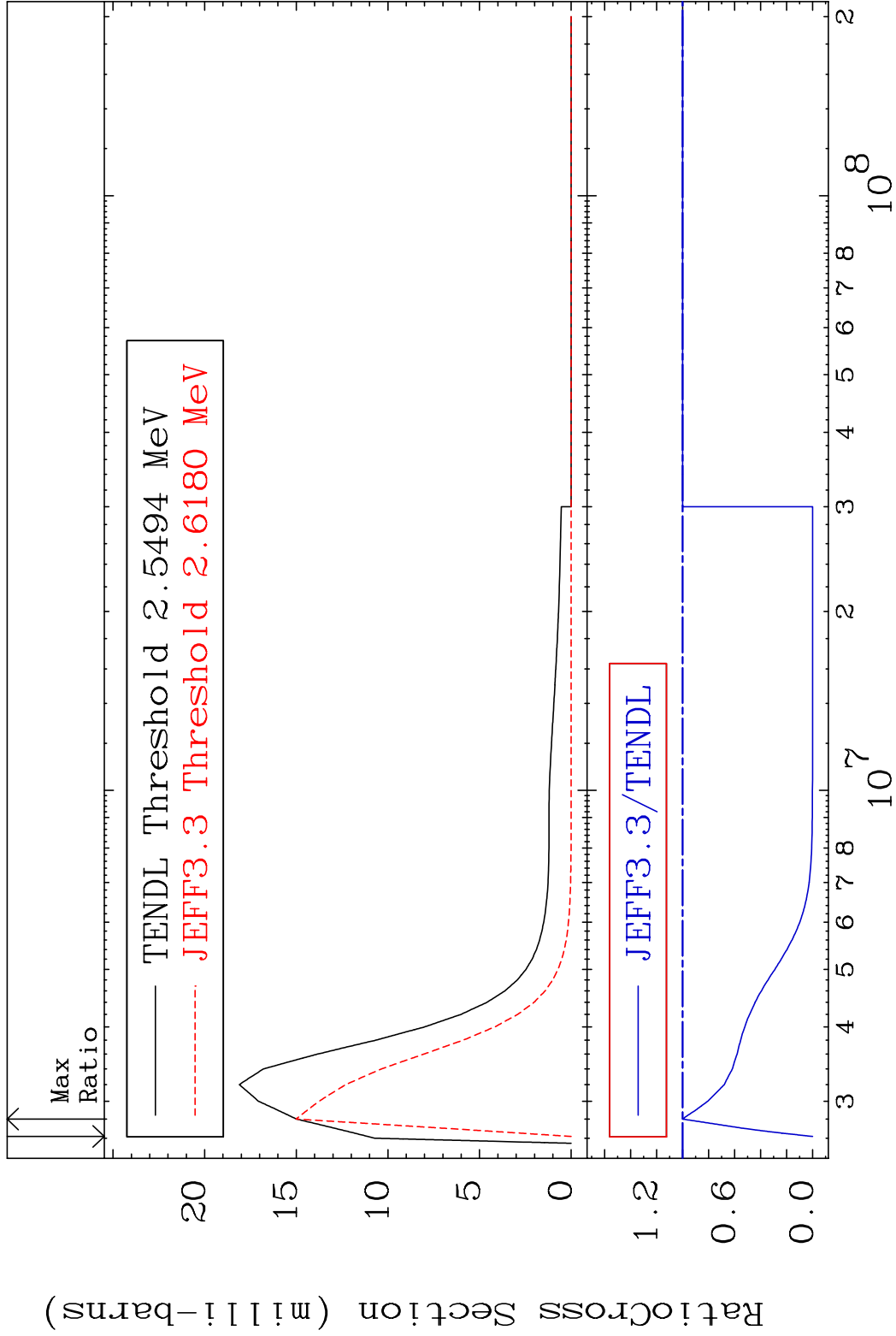
MAT 6231      MT= 72 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 176.1 %

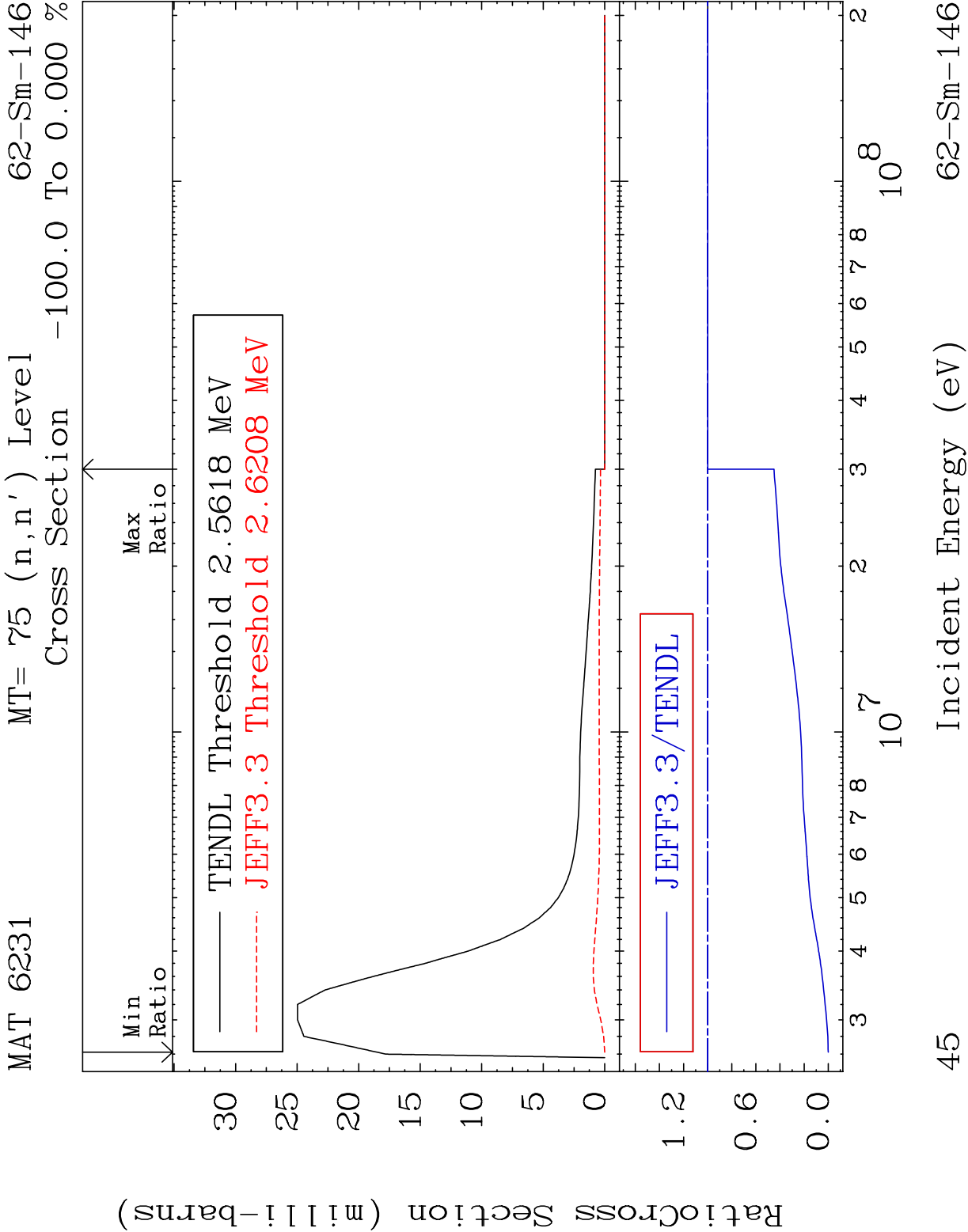


MAT 6231      MT= 73 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 135.4 %

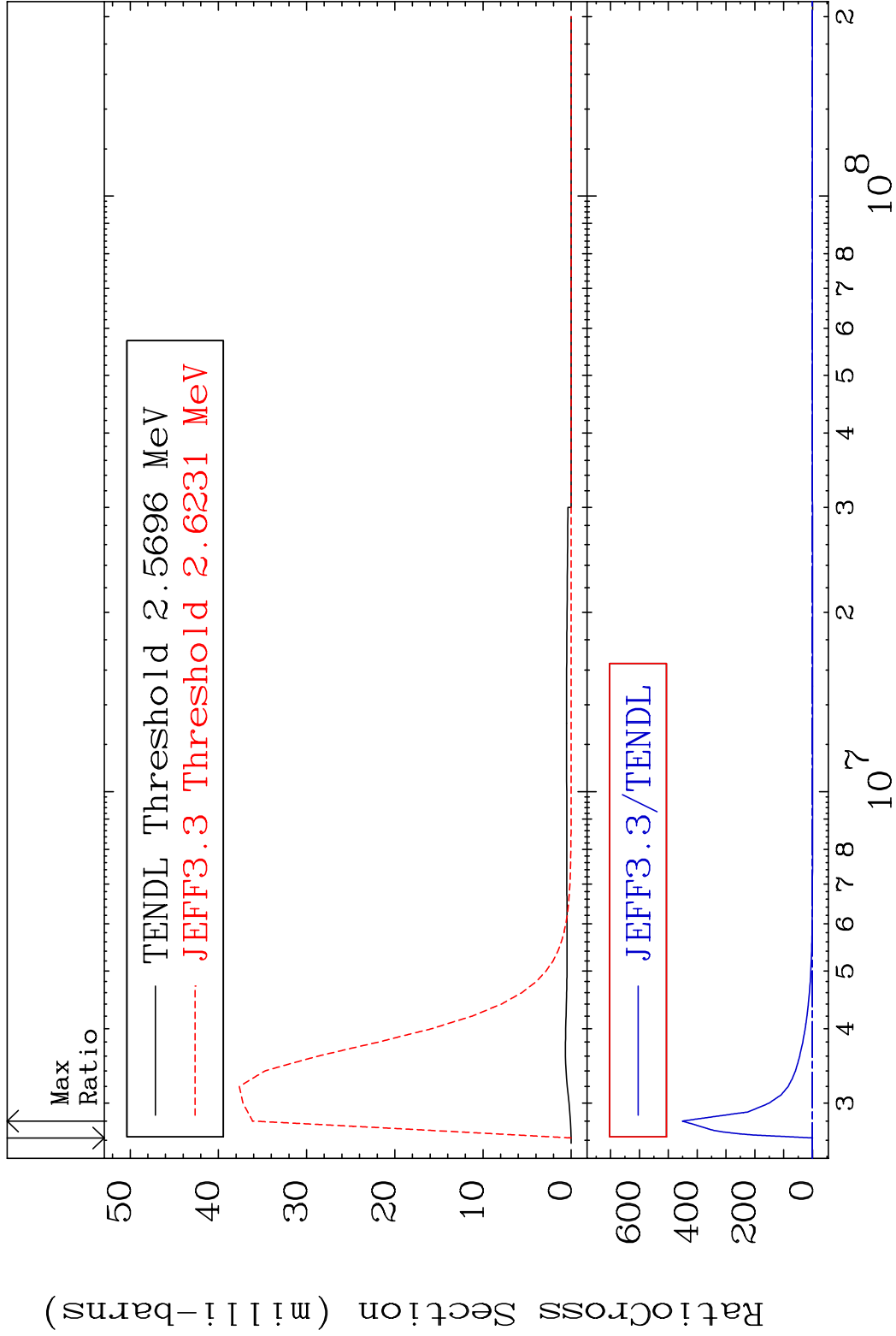


MAT 6231      MT= 74 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 0.150 %

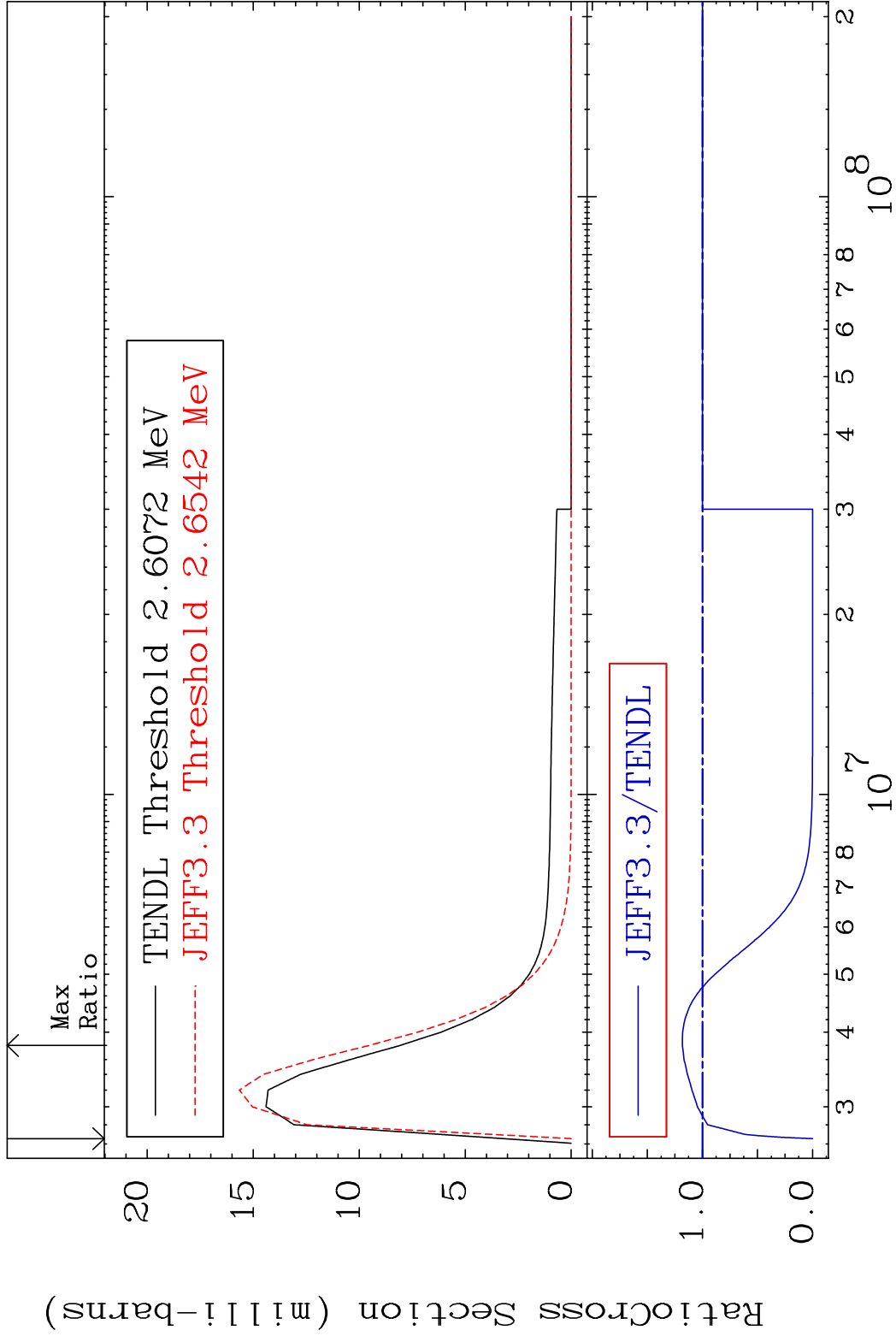




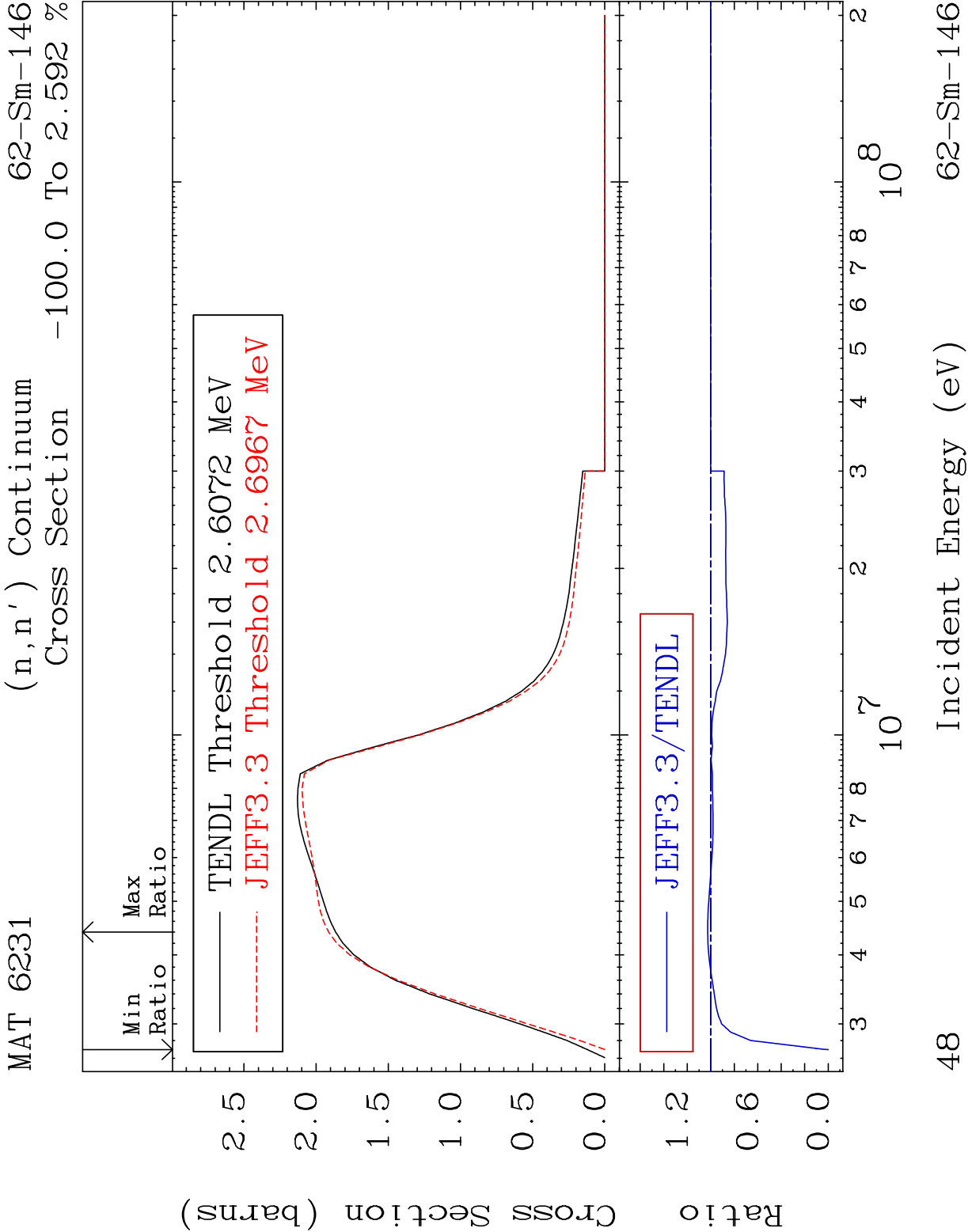
MAT 6231      MT= 76 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 9999. %



MAT 6231      MT= 77 (n,n') Level      62-Sm-146  
Cross Section    -100.0 To 18.20 %



47      Incident Energy (eV)      62-Sm-146

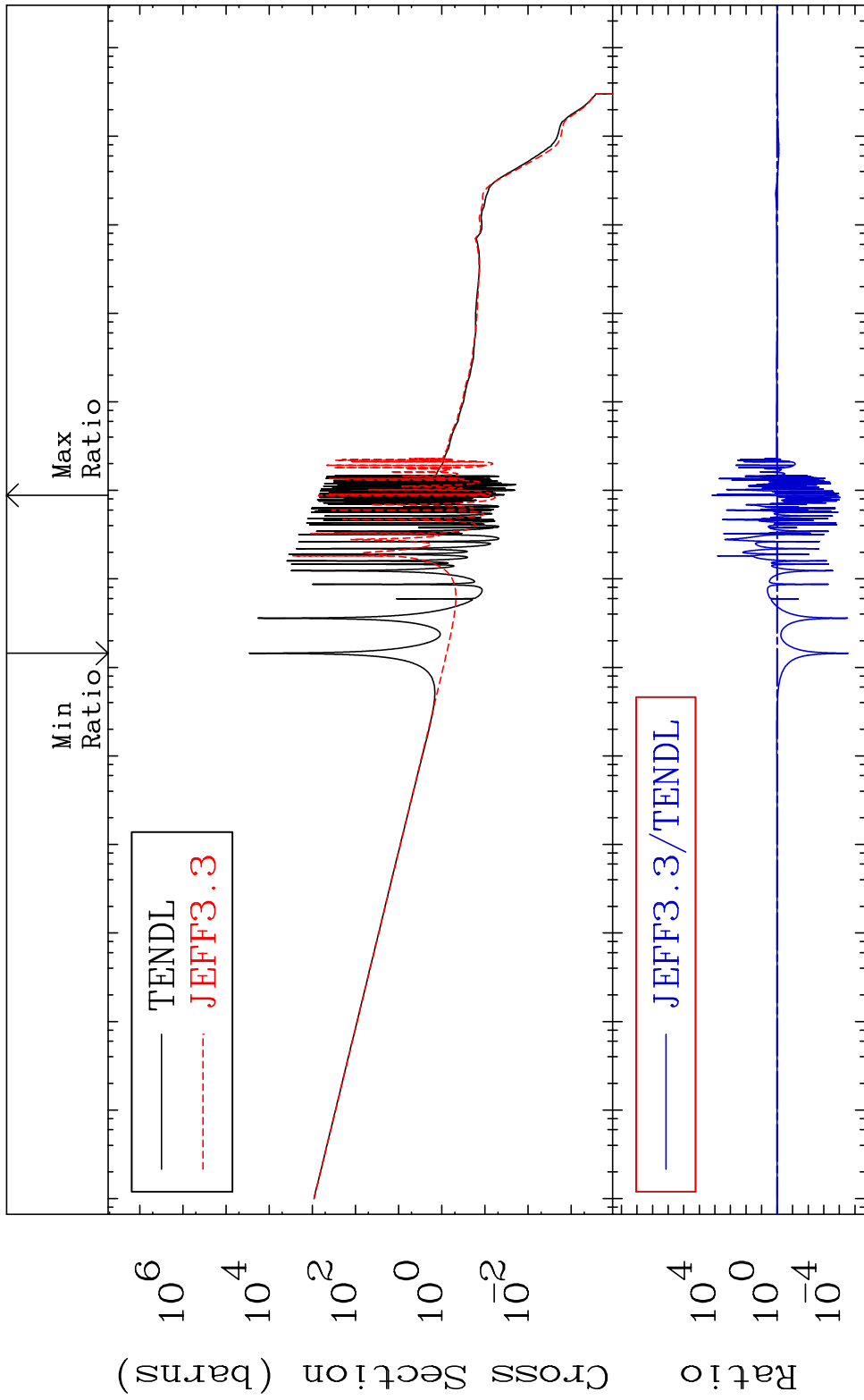


MAT 6231

(n,  $\gamma$ )

62-Sm-146

Cross Section      -100.0 To 9999. %

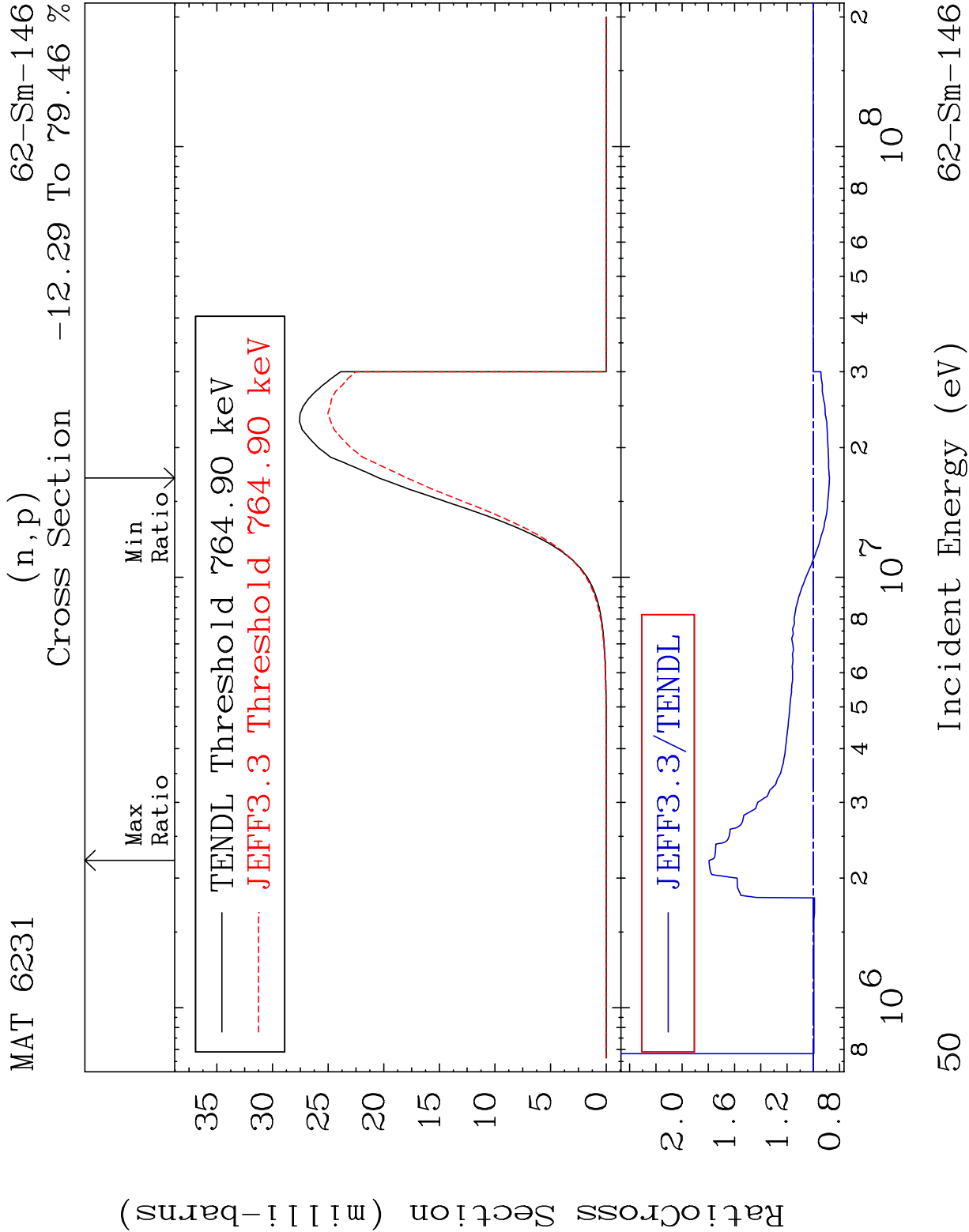


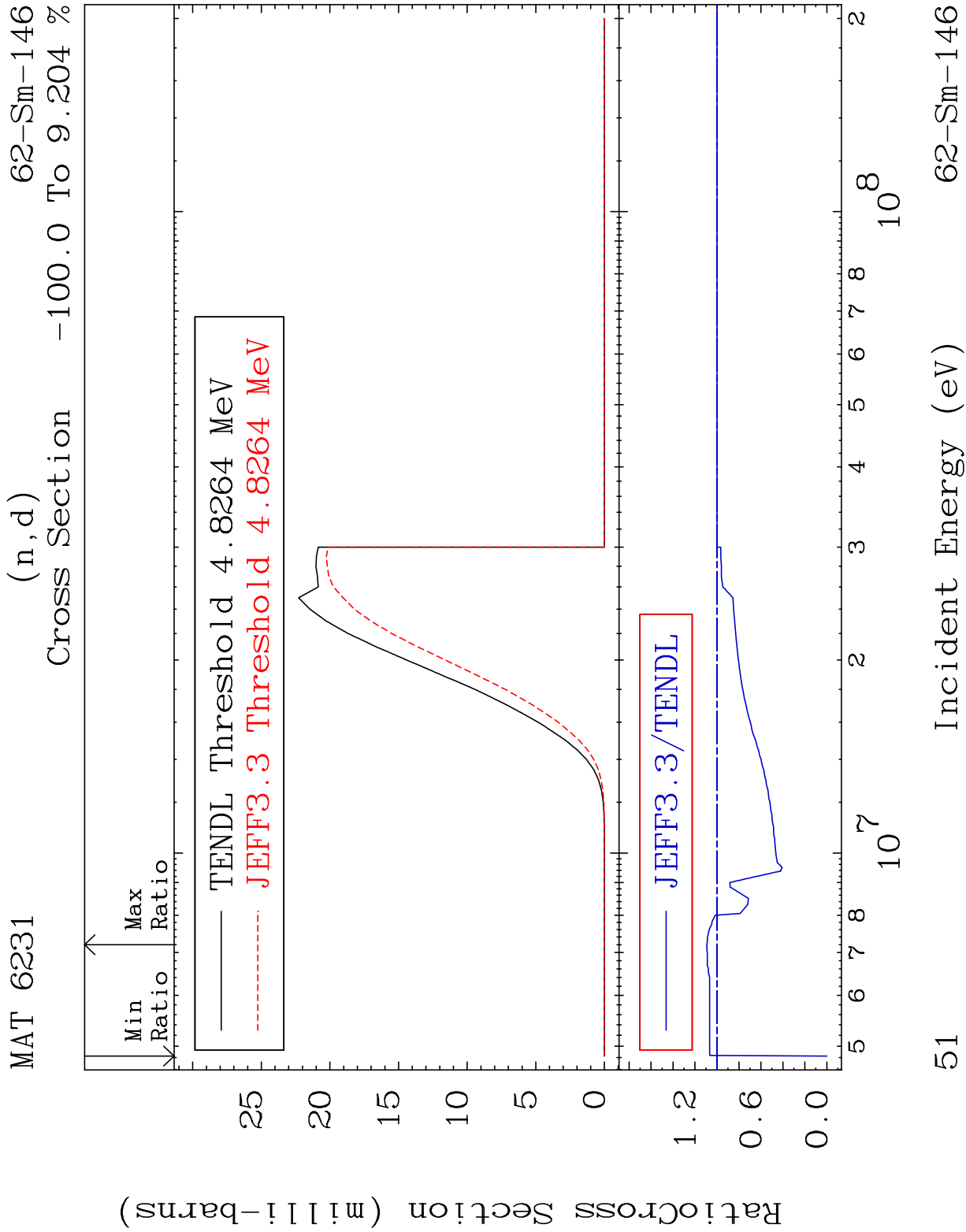
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

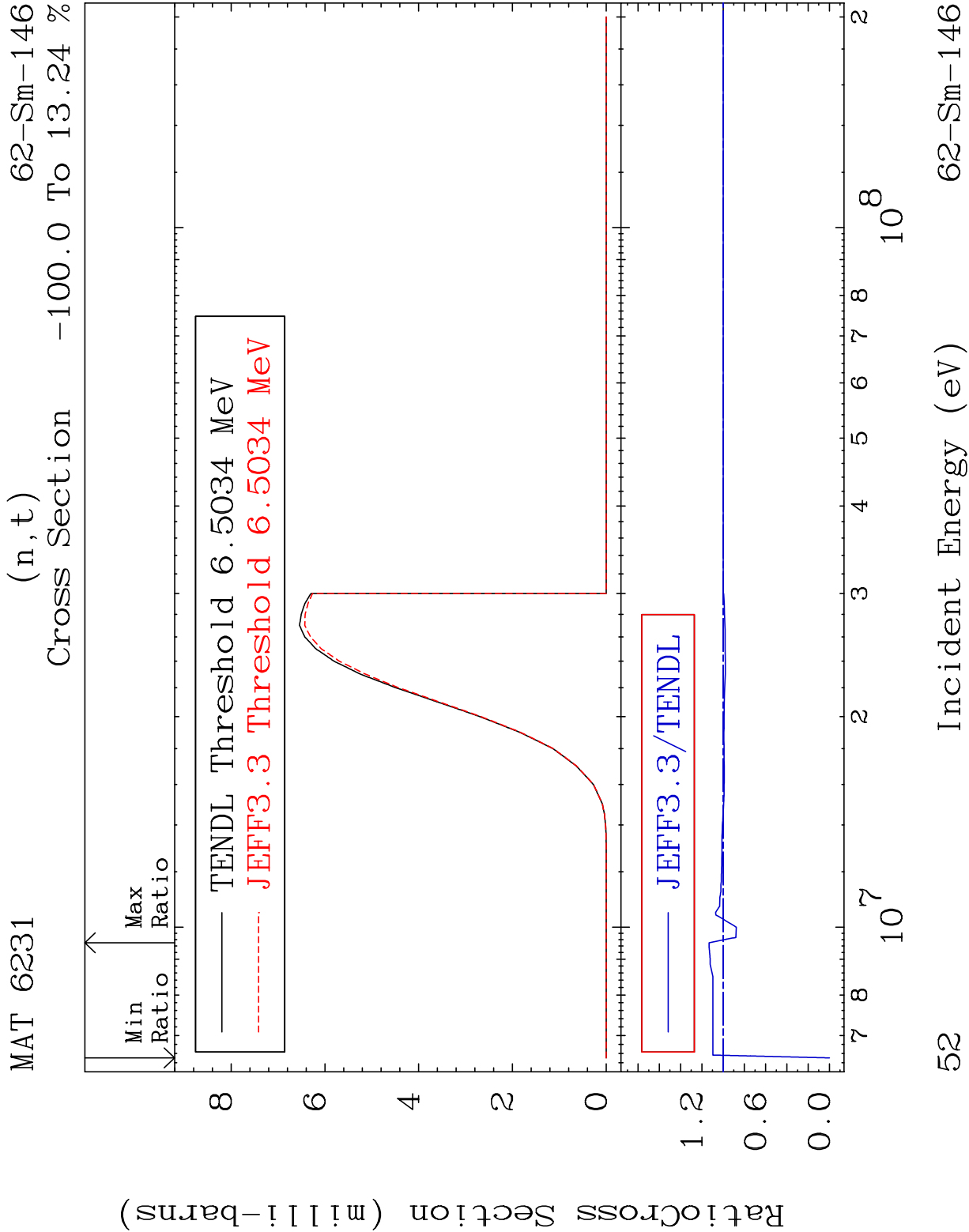
49

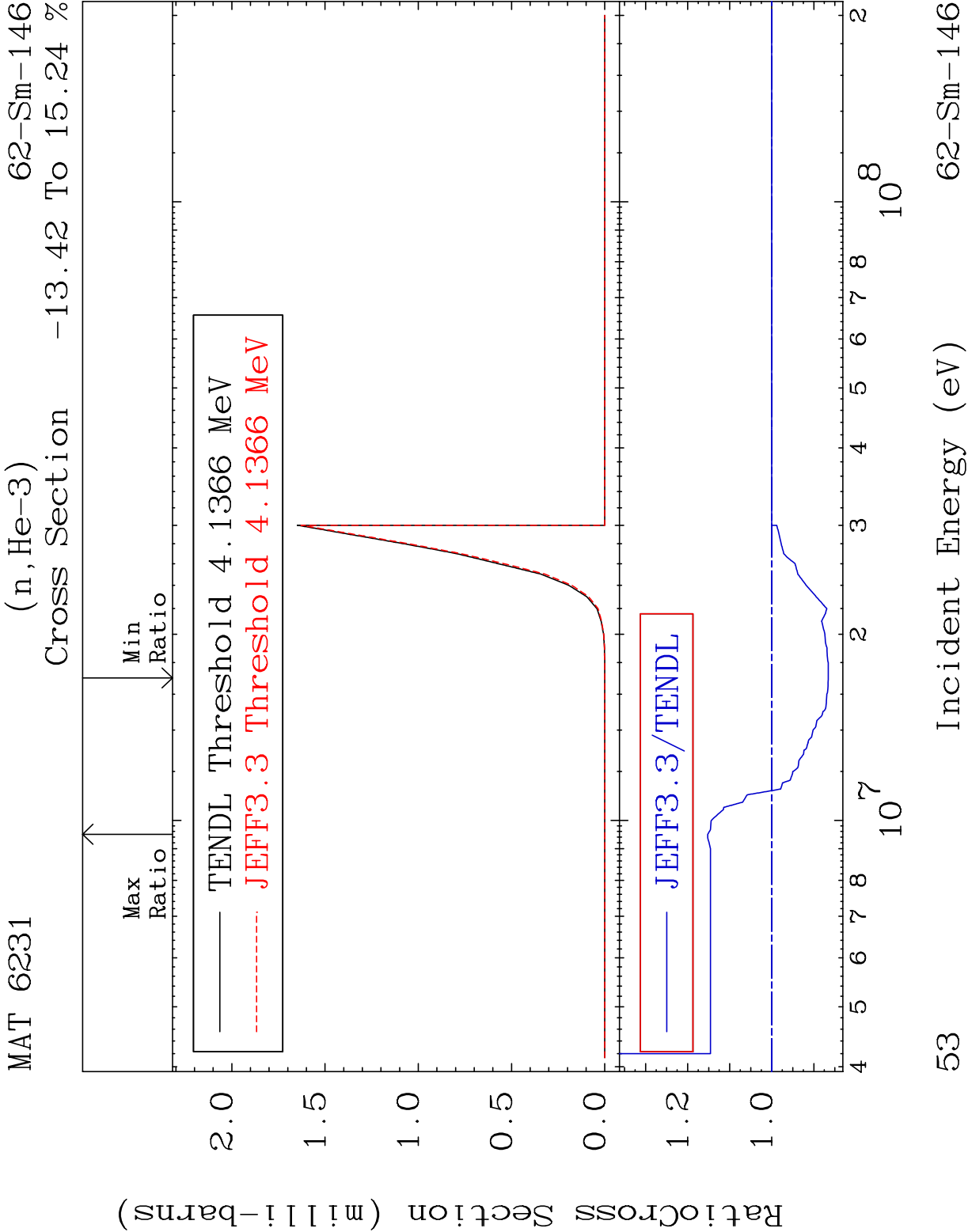
Incident Energy (eV)

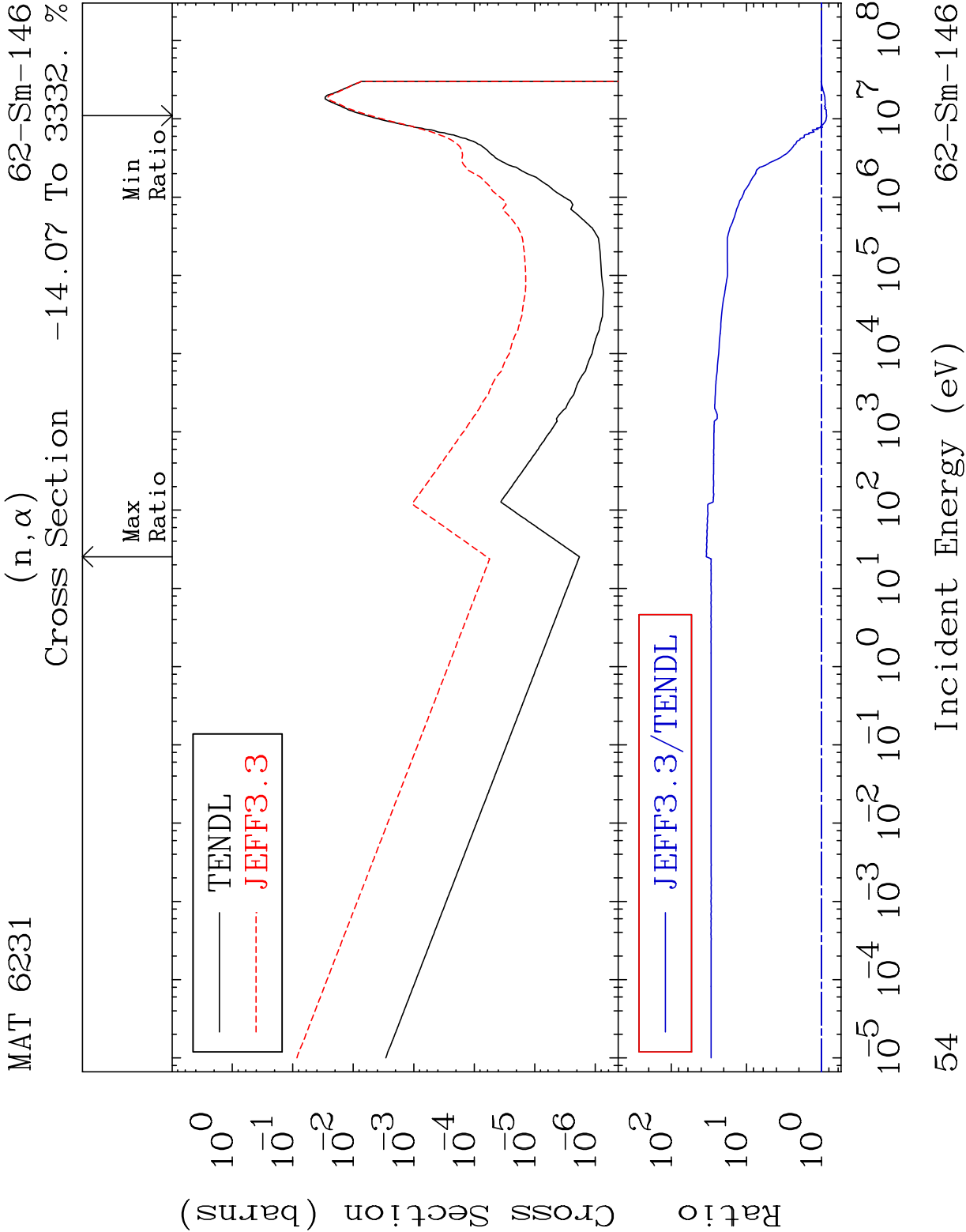
62-Sm-146

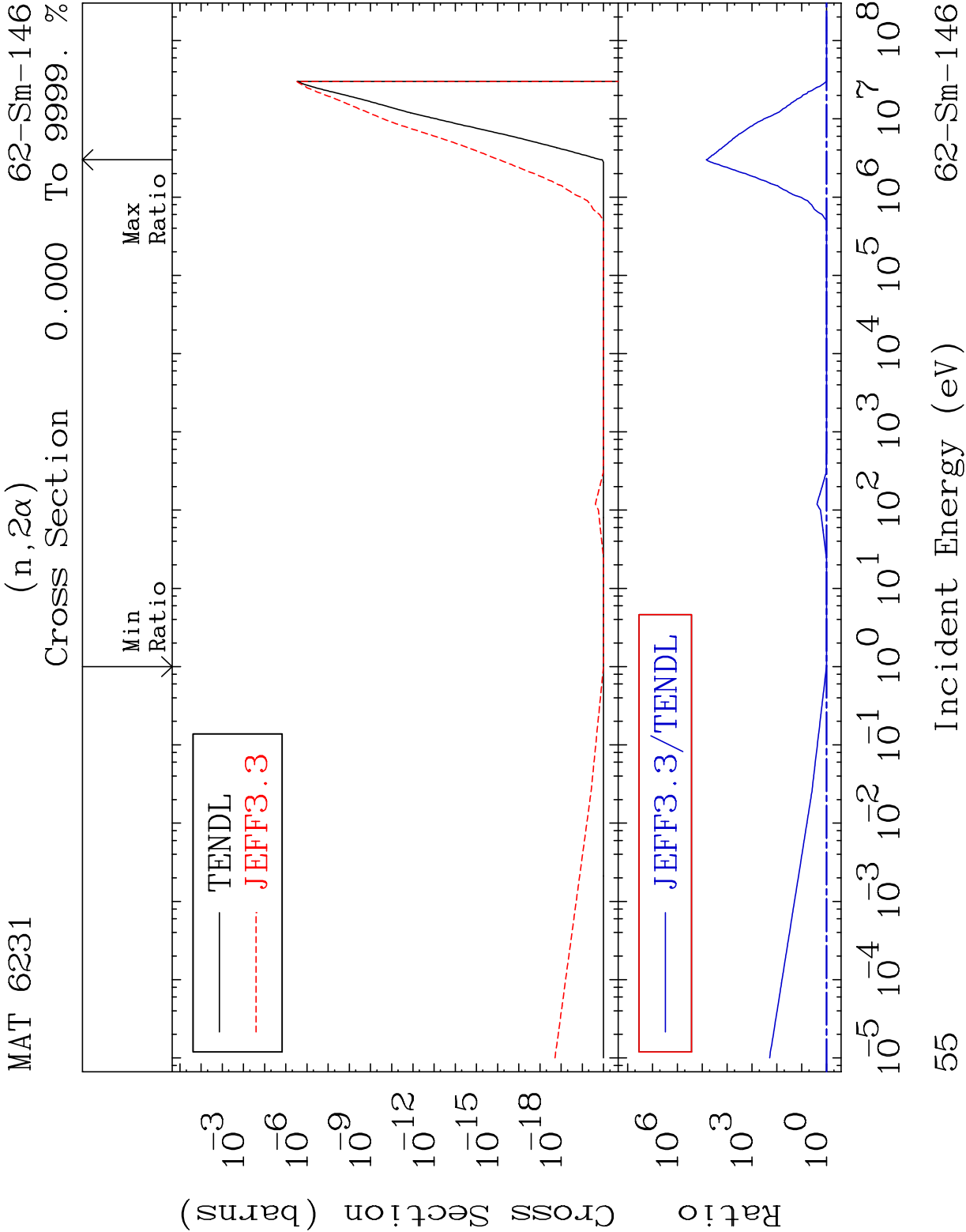


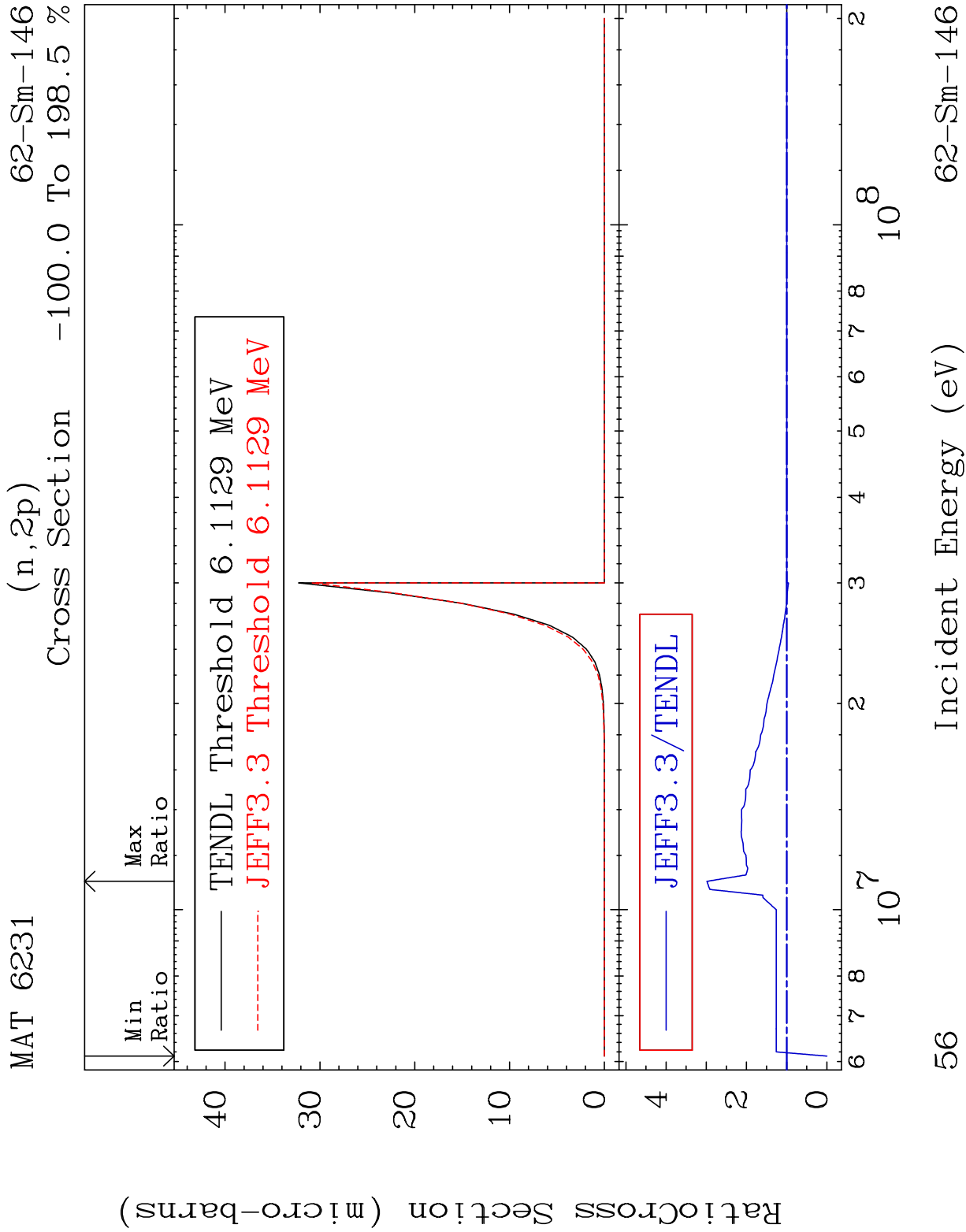


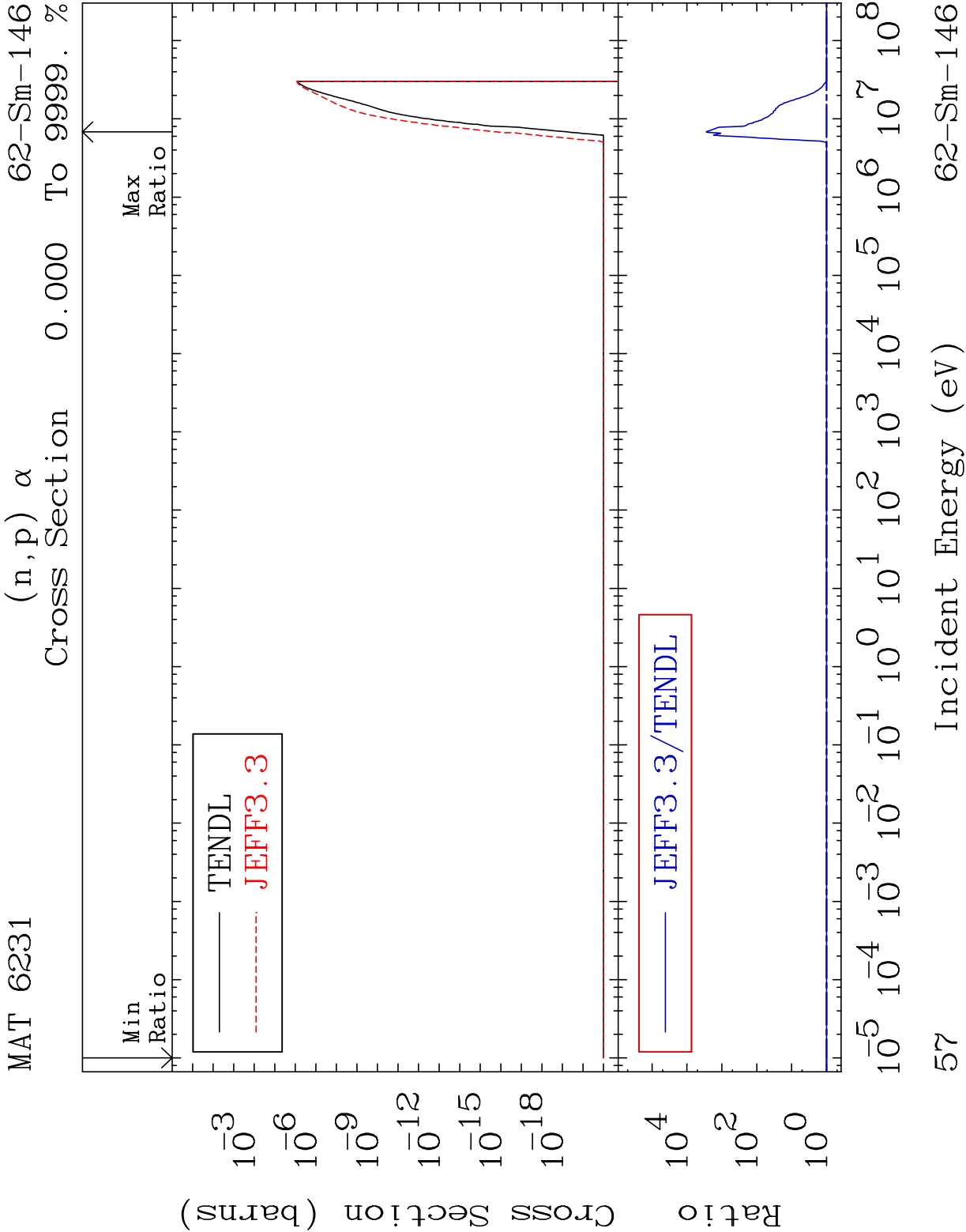


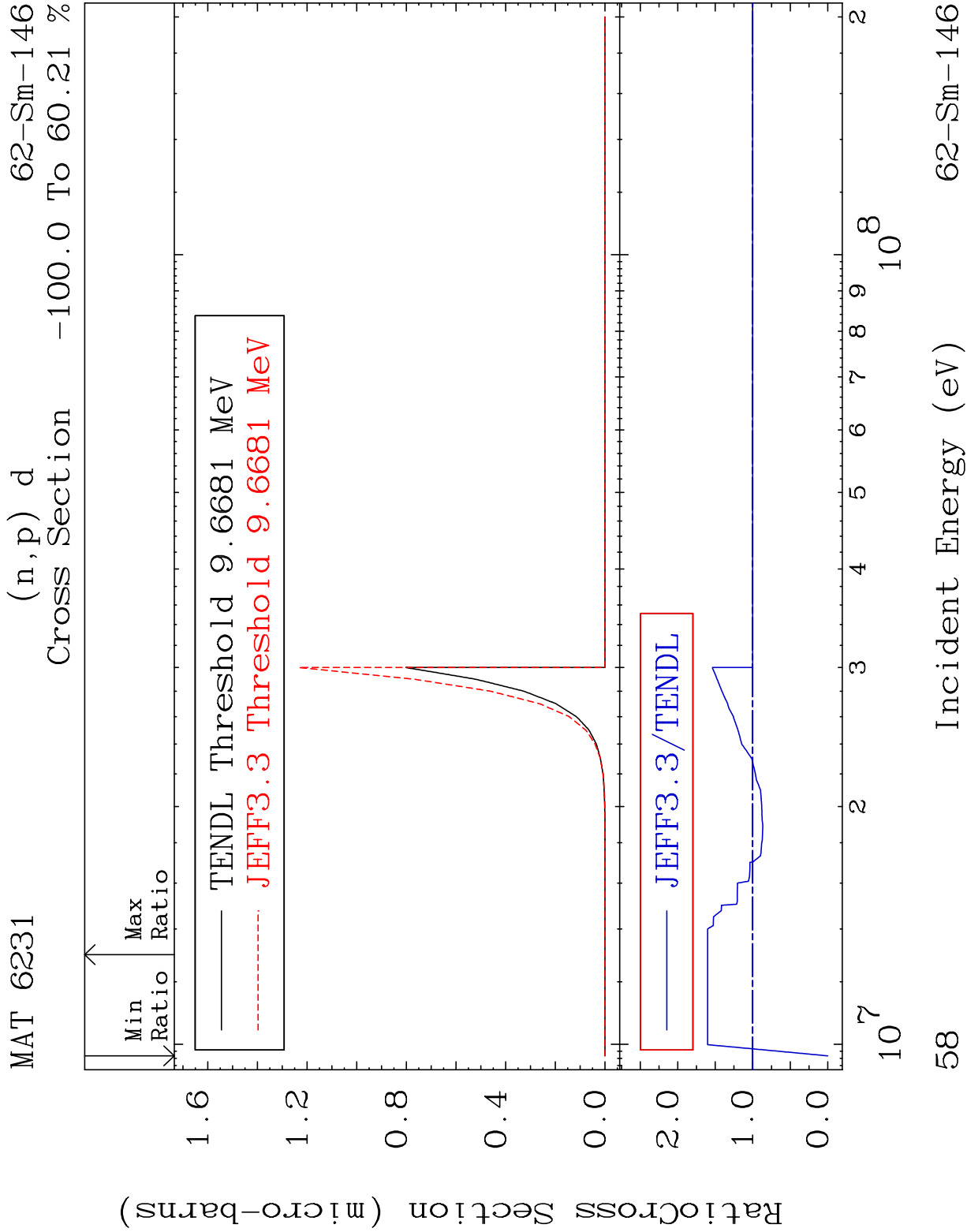


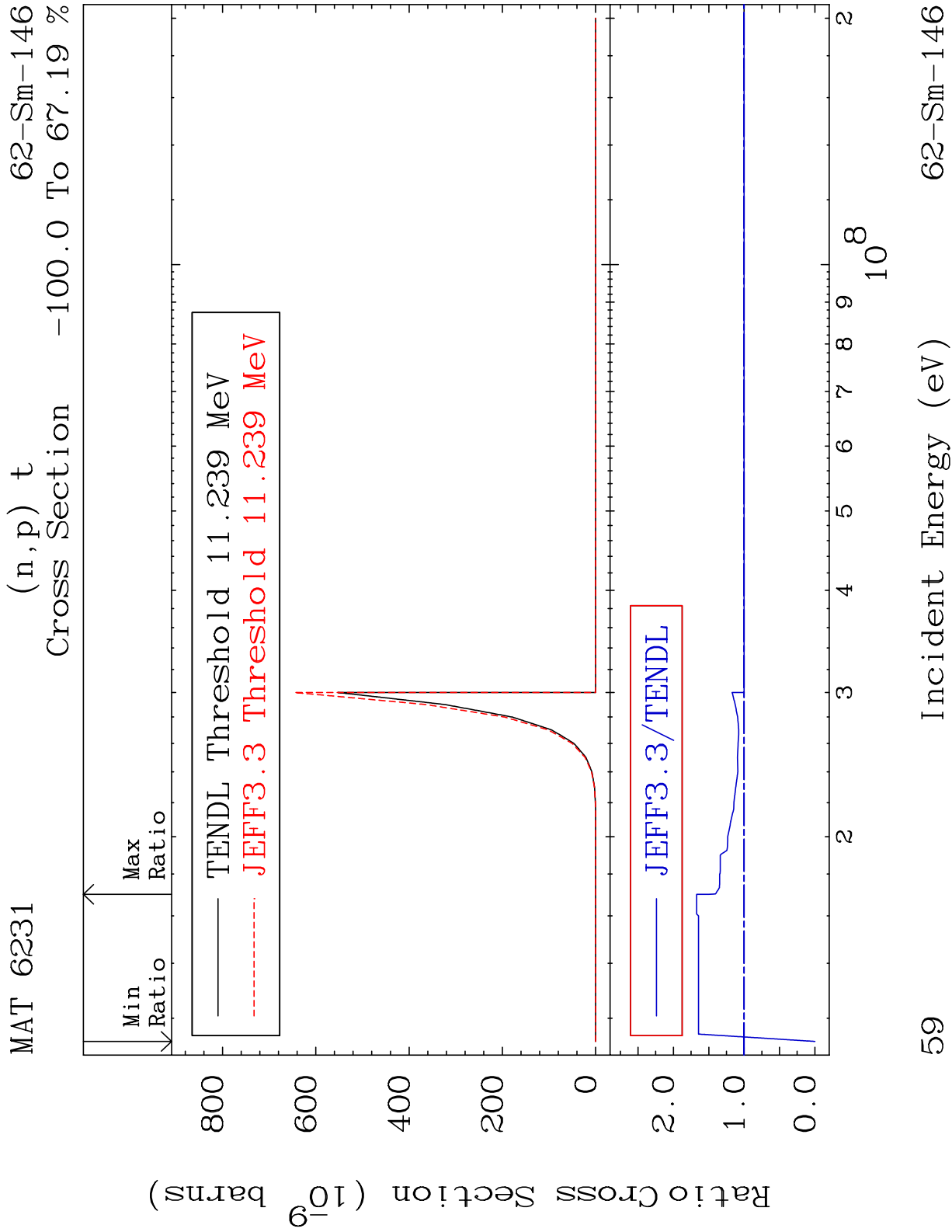










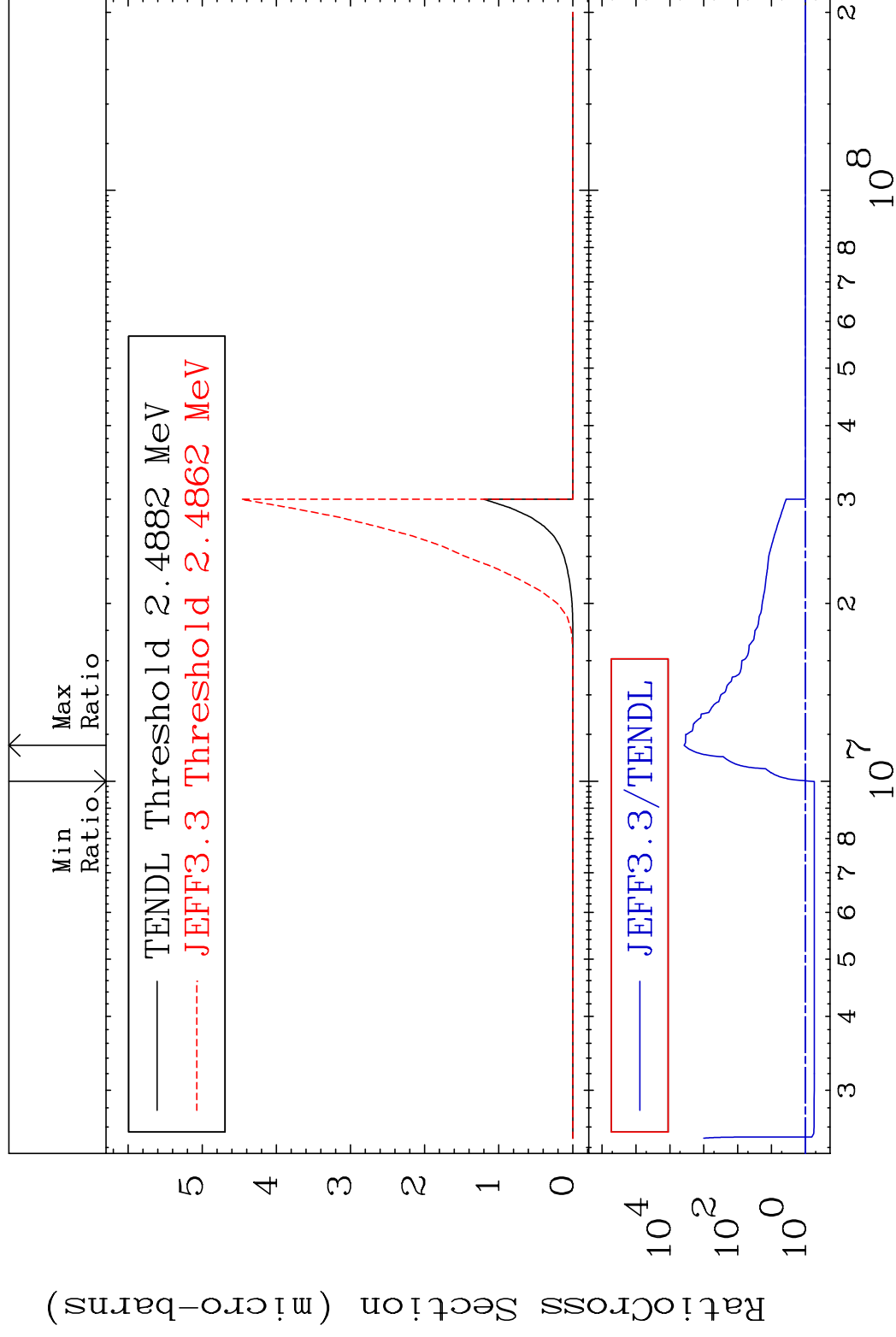


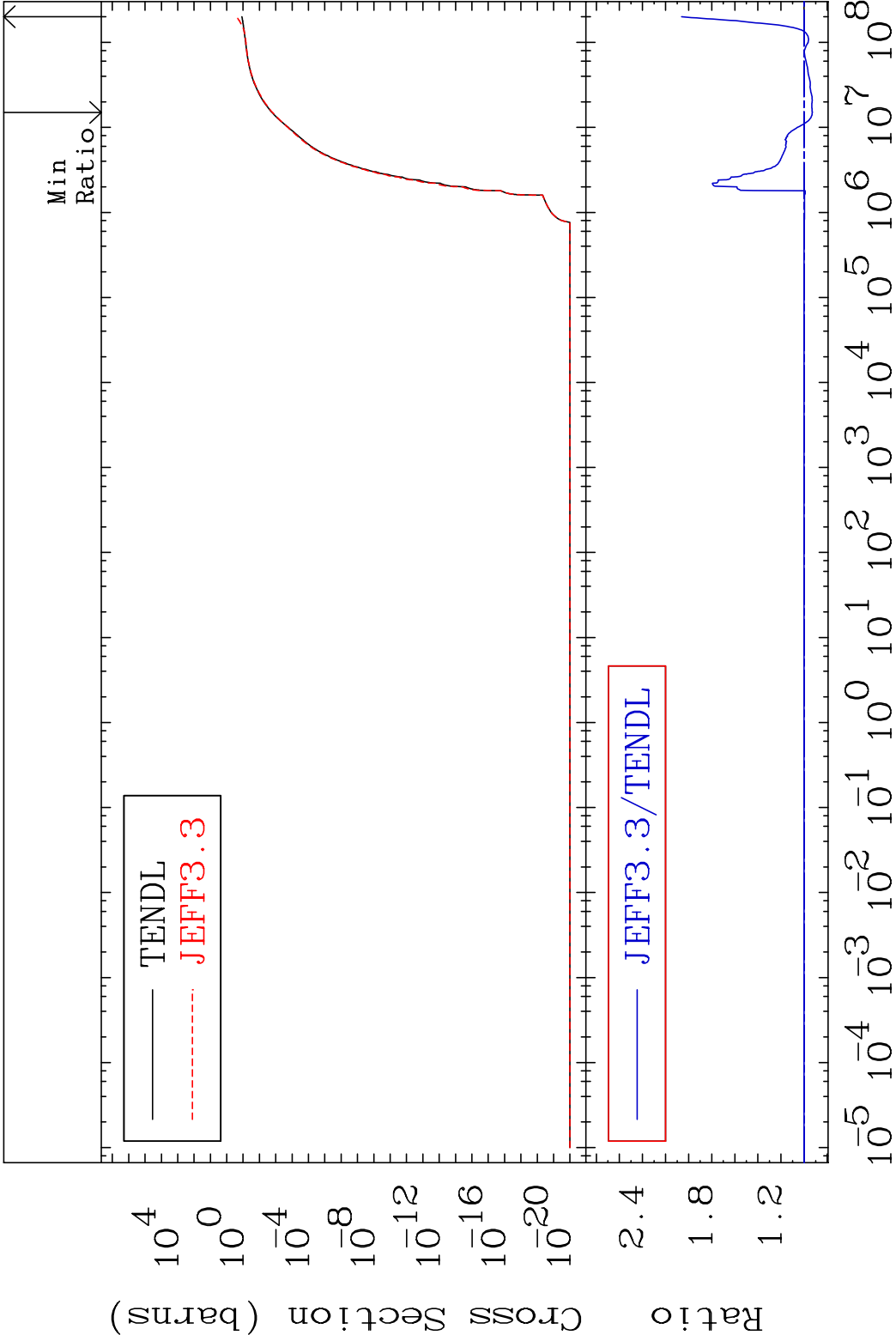
MAT 6231

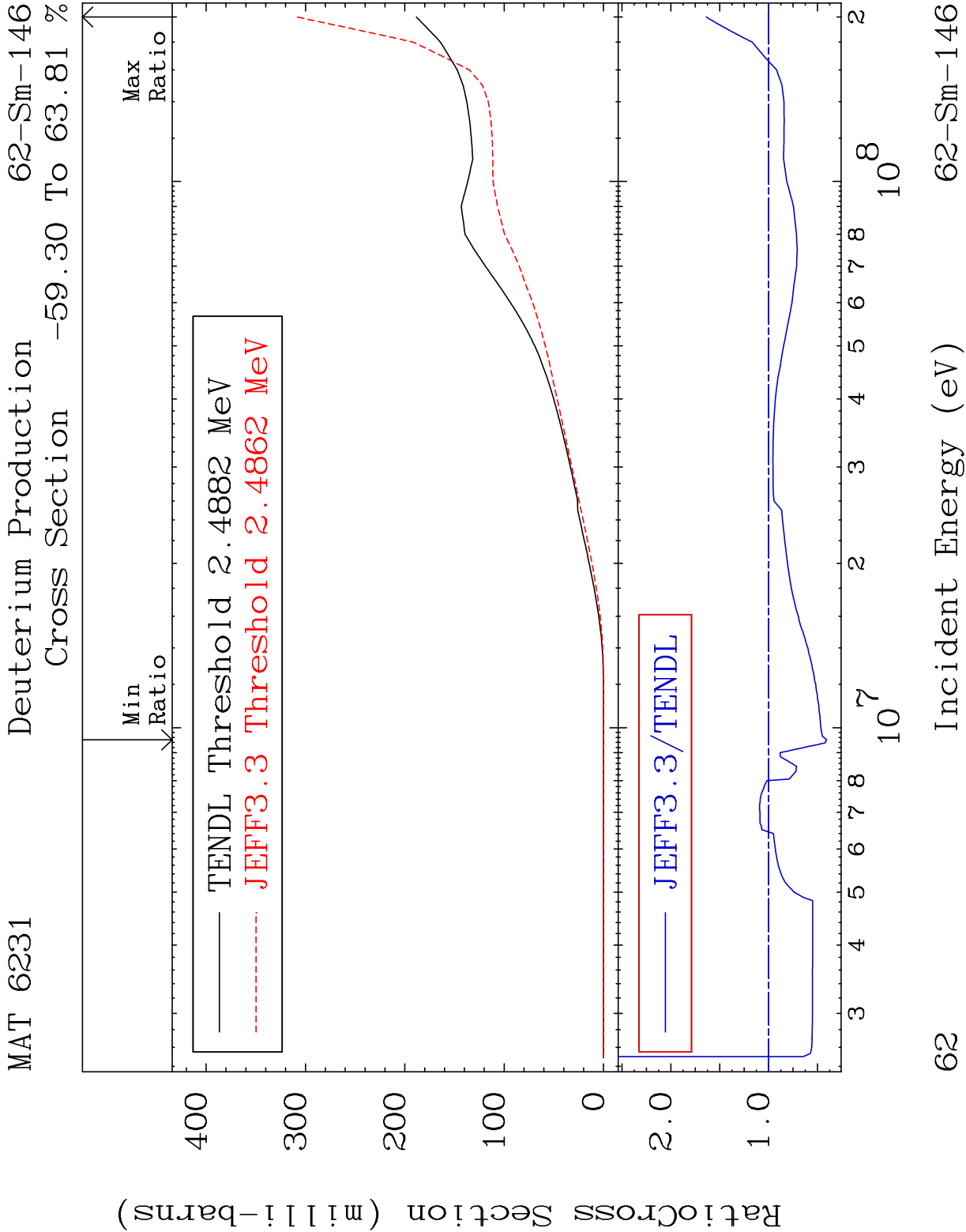
$$(n, d) \propto$$

62-Sm-146

Cross Section -45.09 To 9999. %







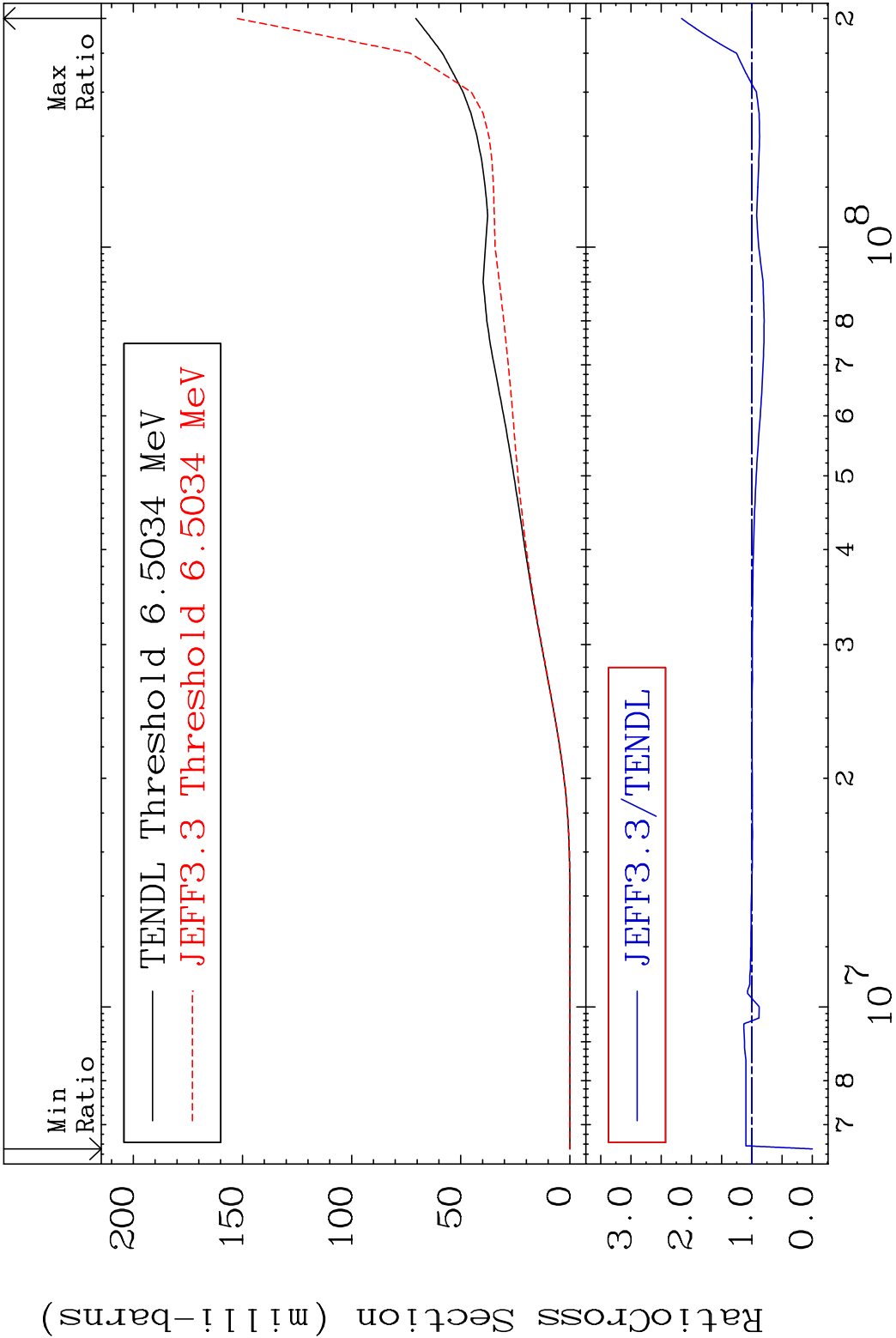
MAT 6231

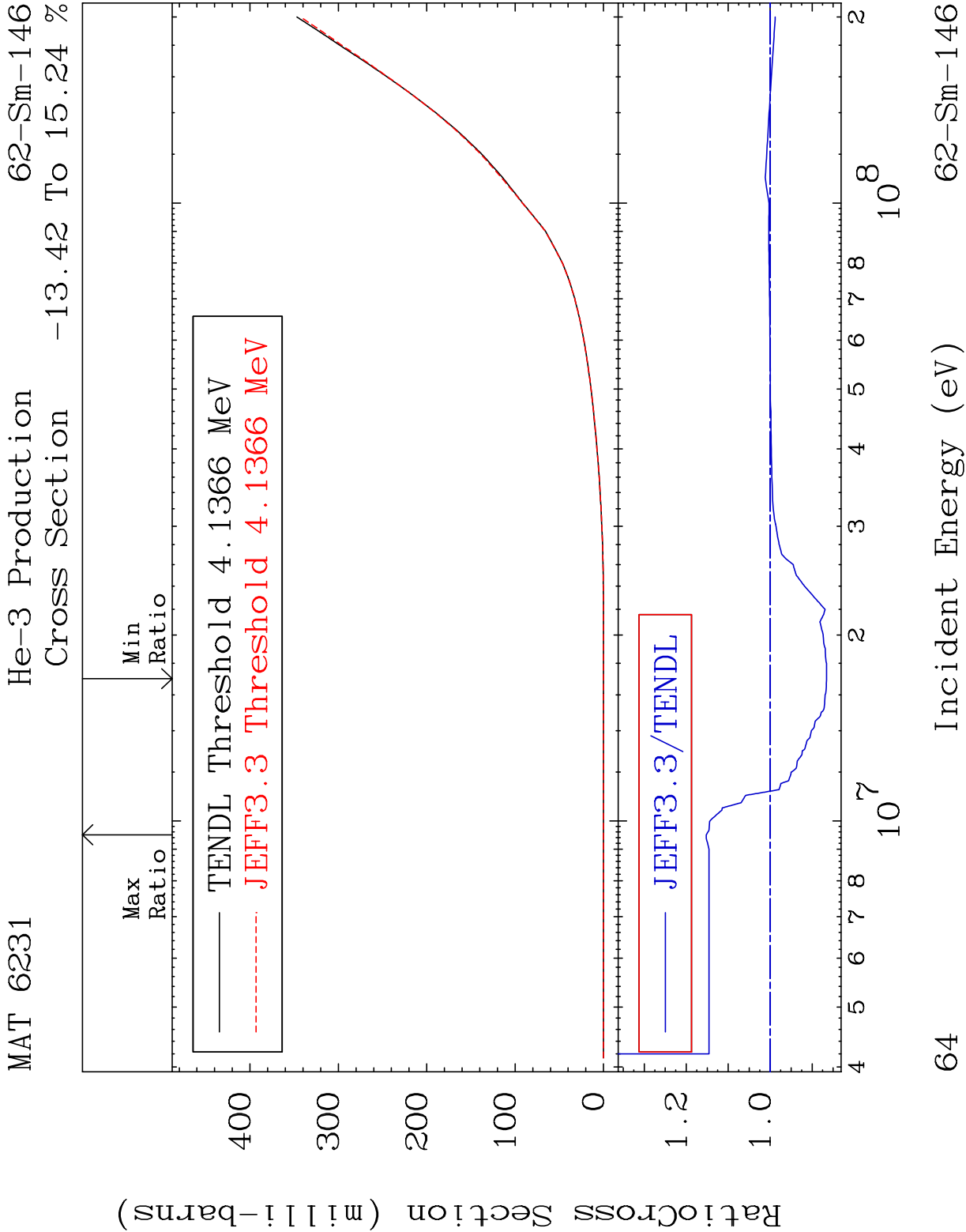
Tritium Production

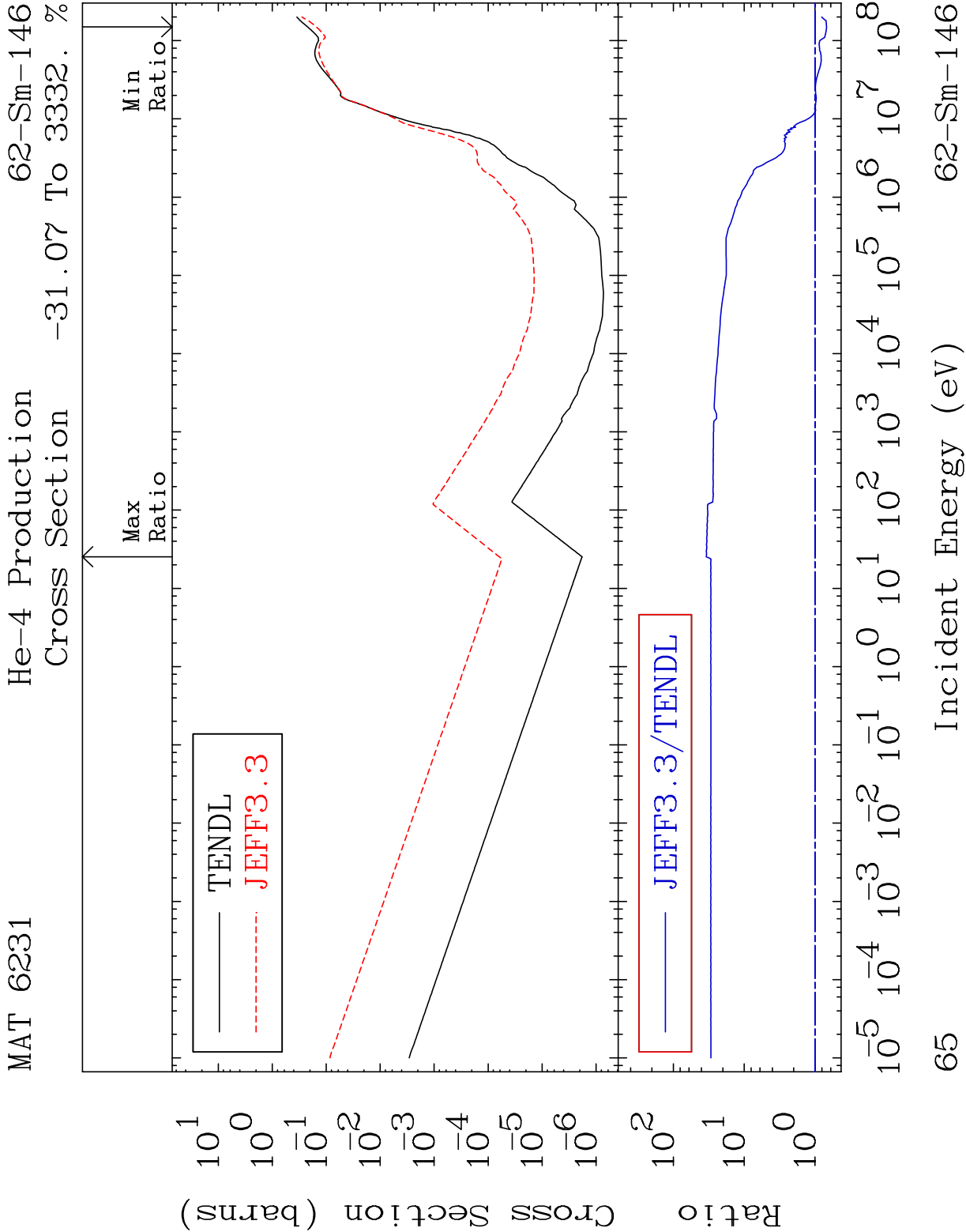
Cross Section

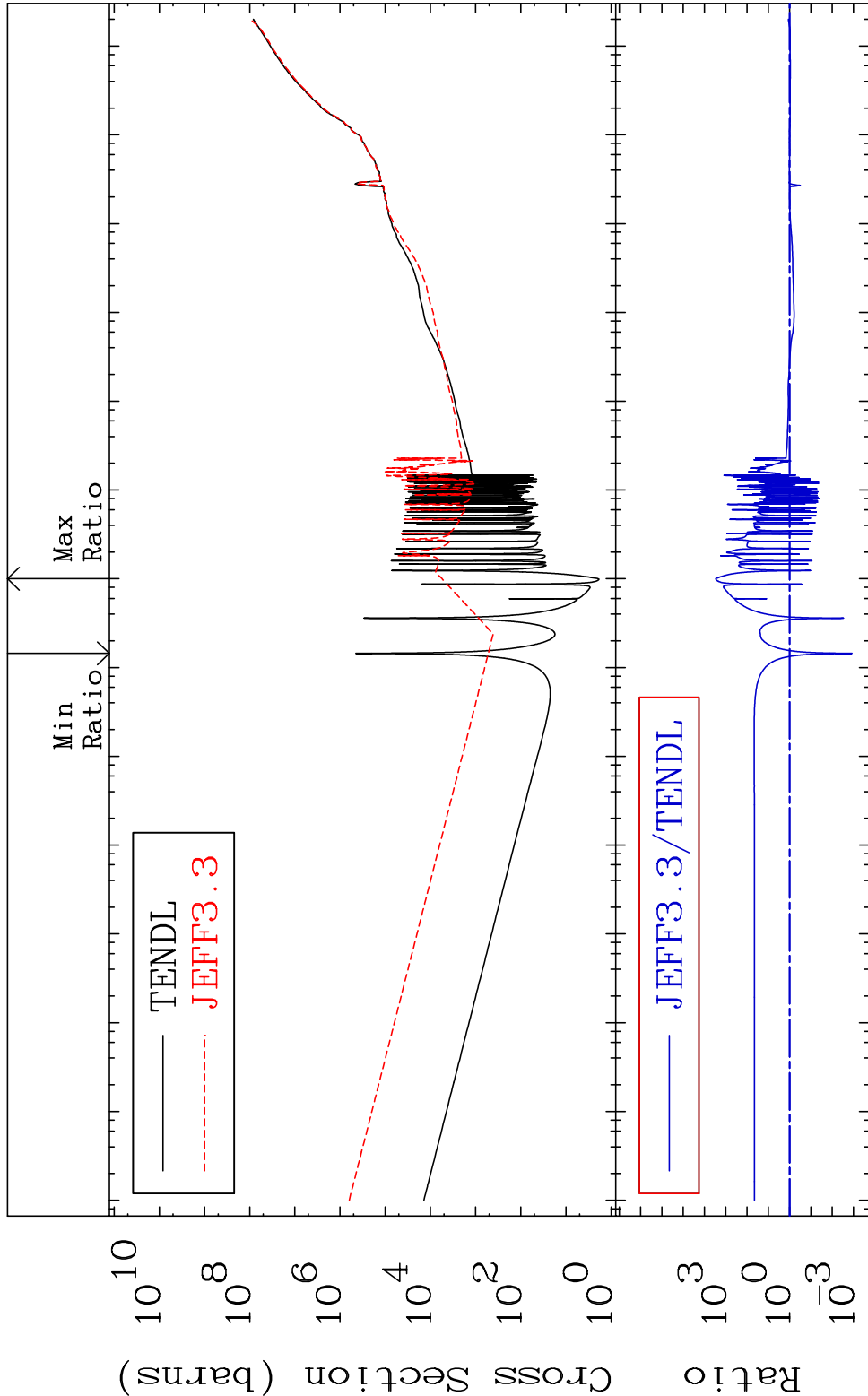
-100.0 To 116.2 %

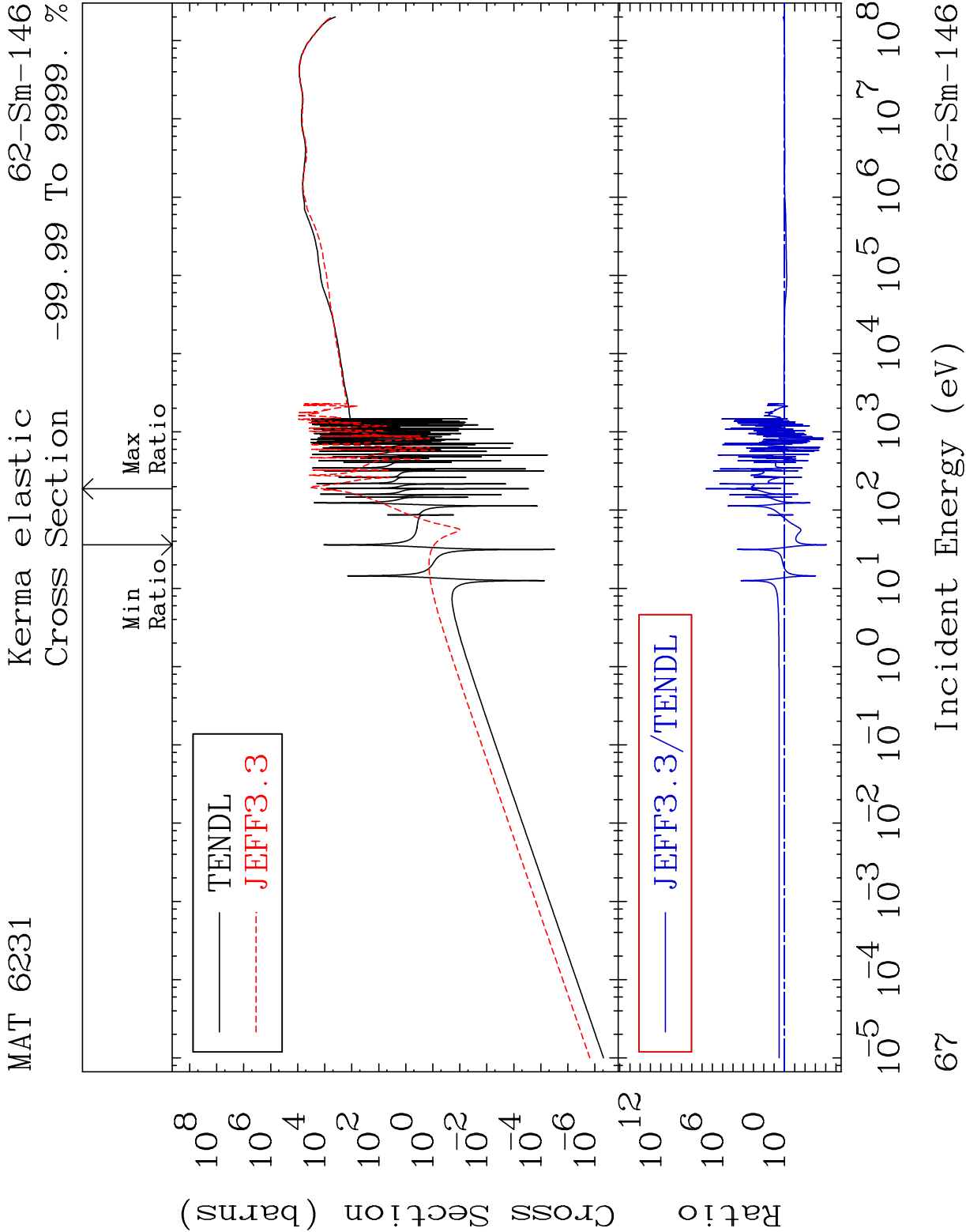
62-Sm-146



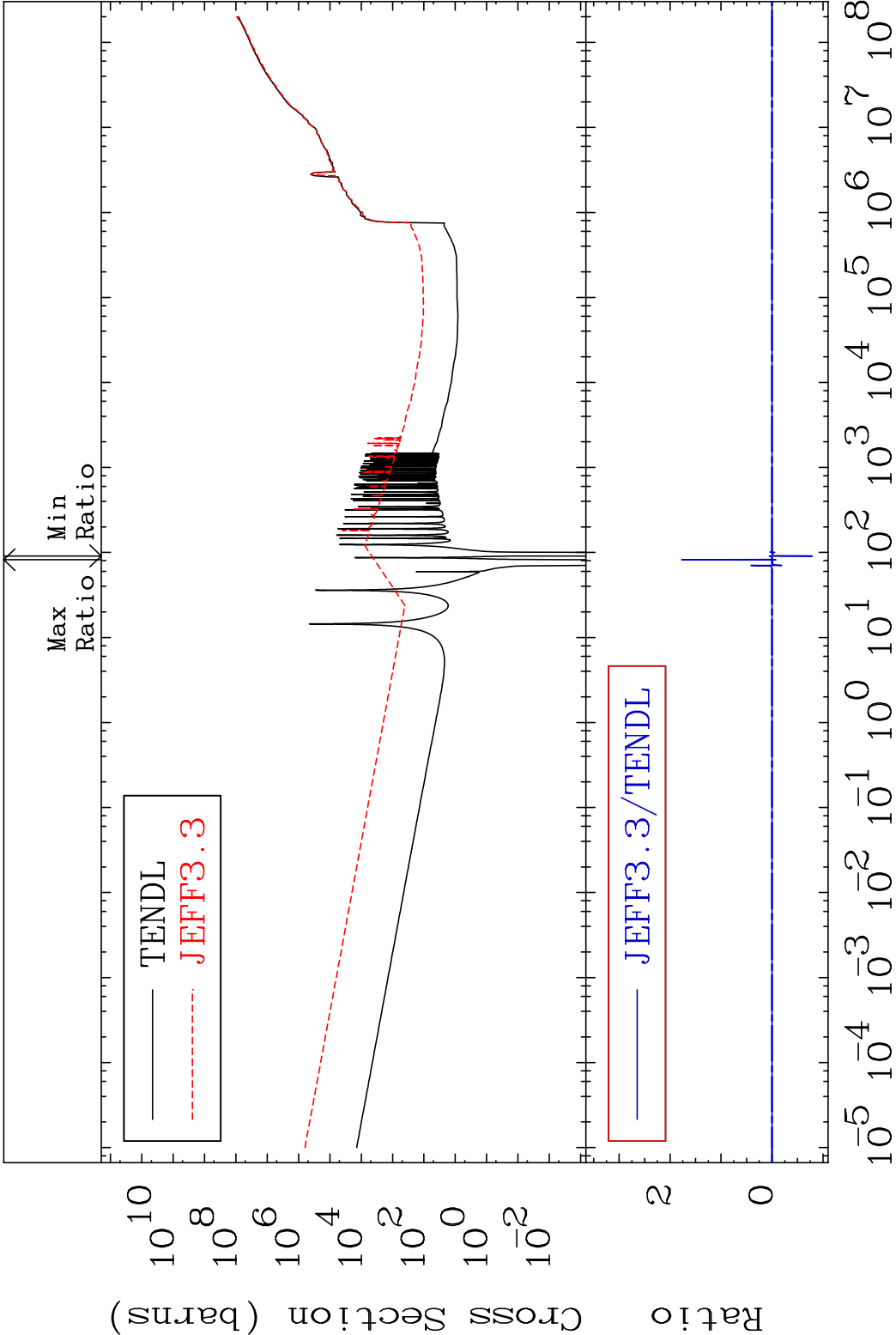




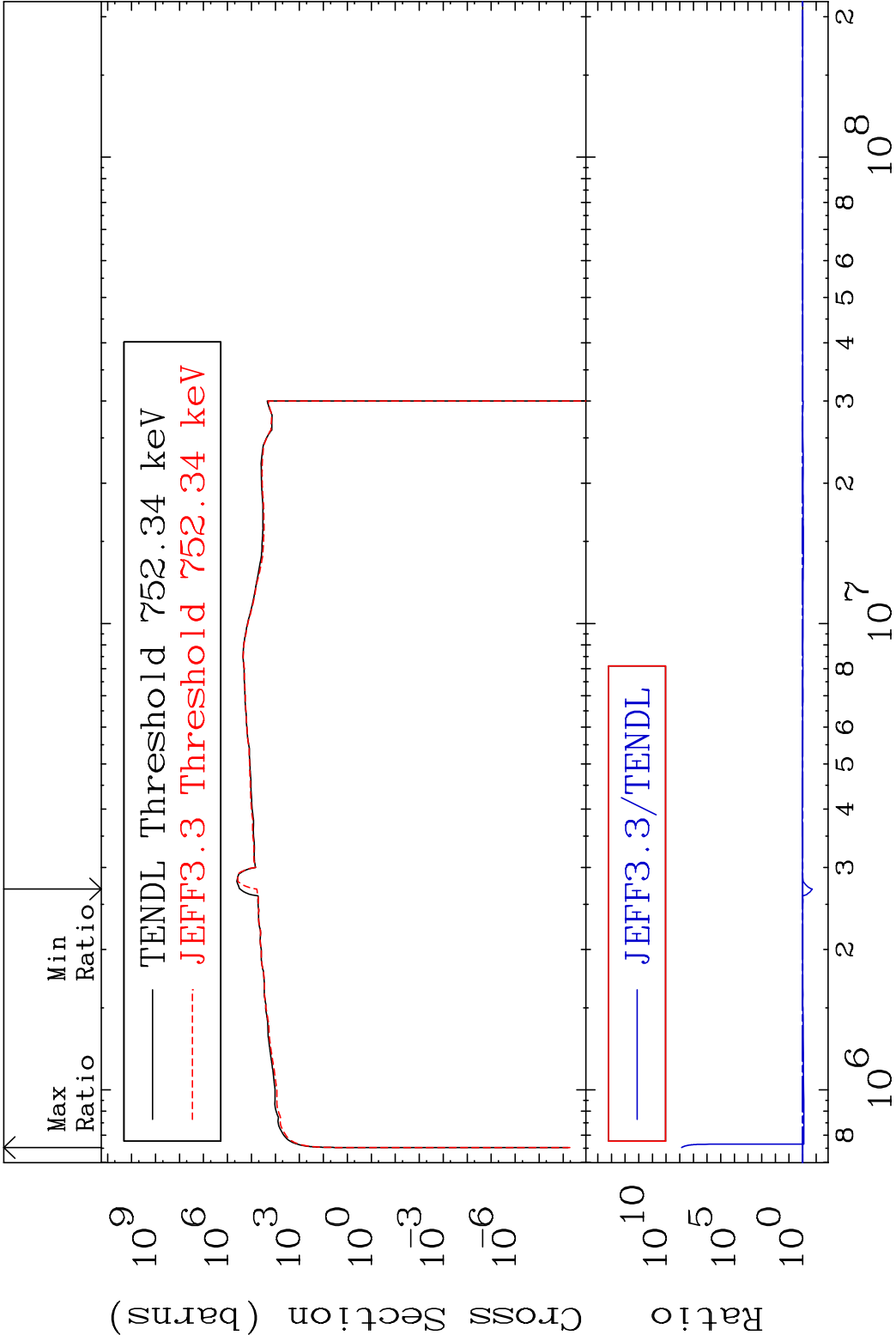




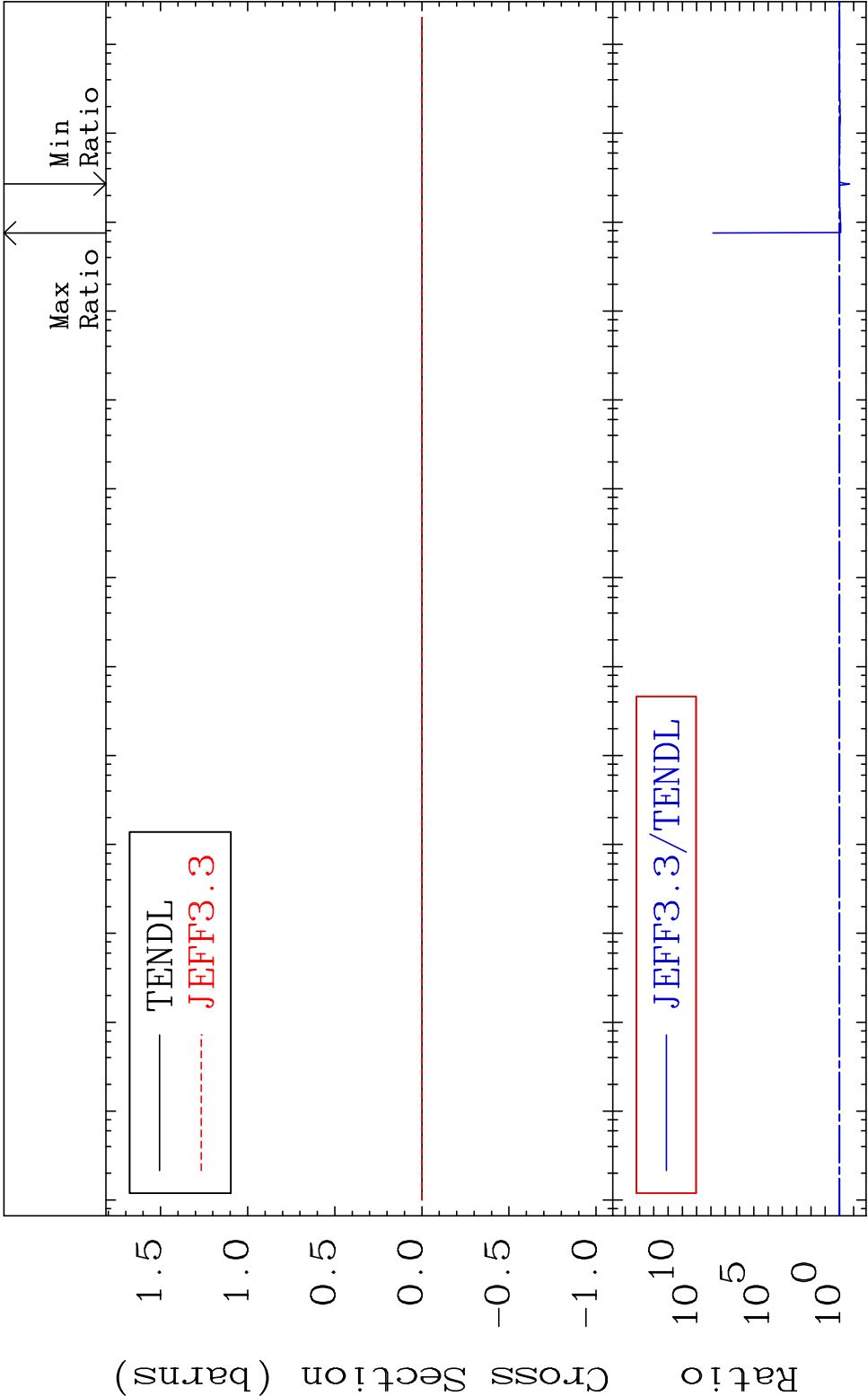
MAT 6231    Kerma non-elastic (all but mt2)    62-Sm-146  
Cross Section    -9999. To 9999. %

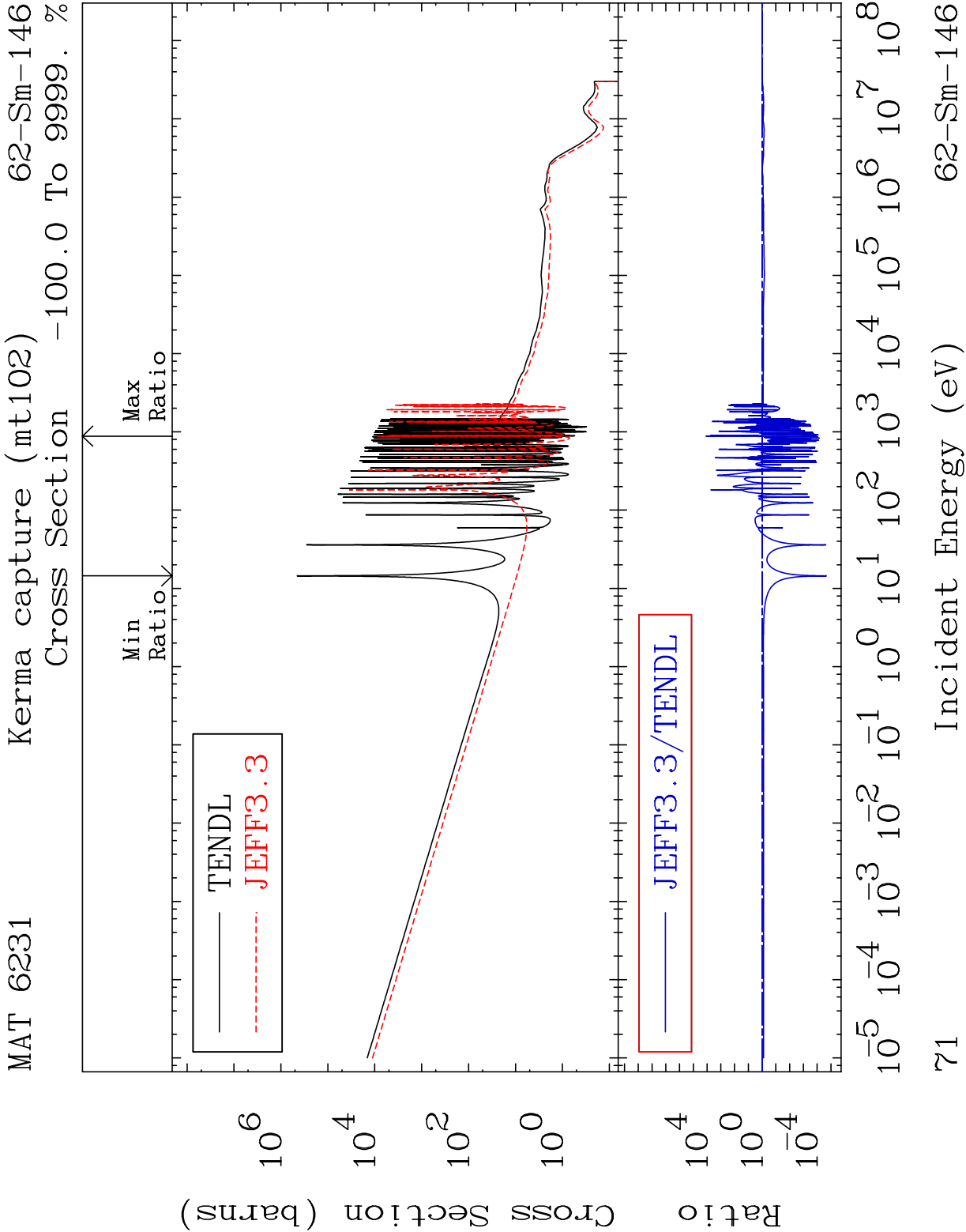


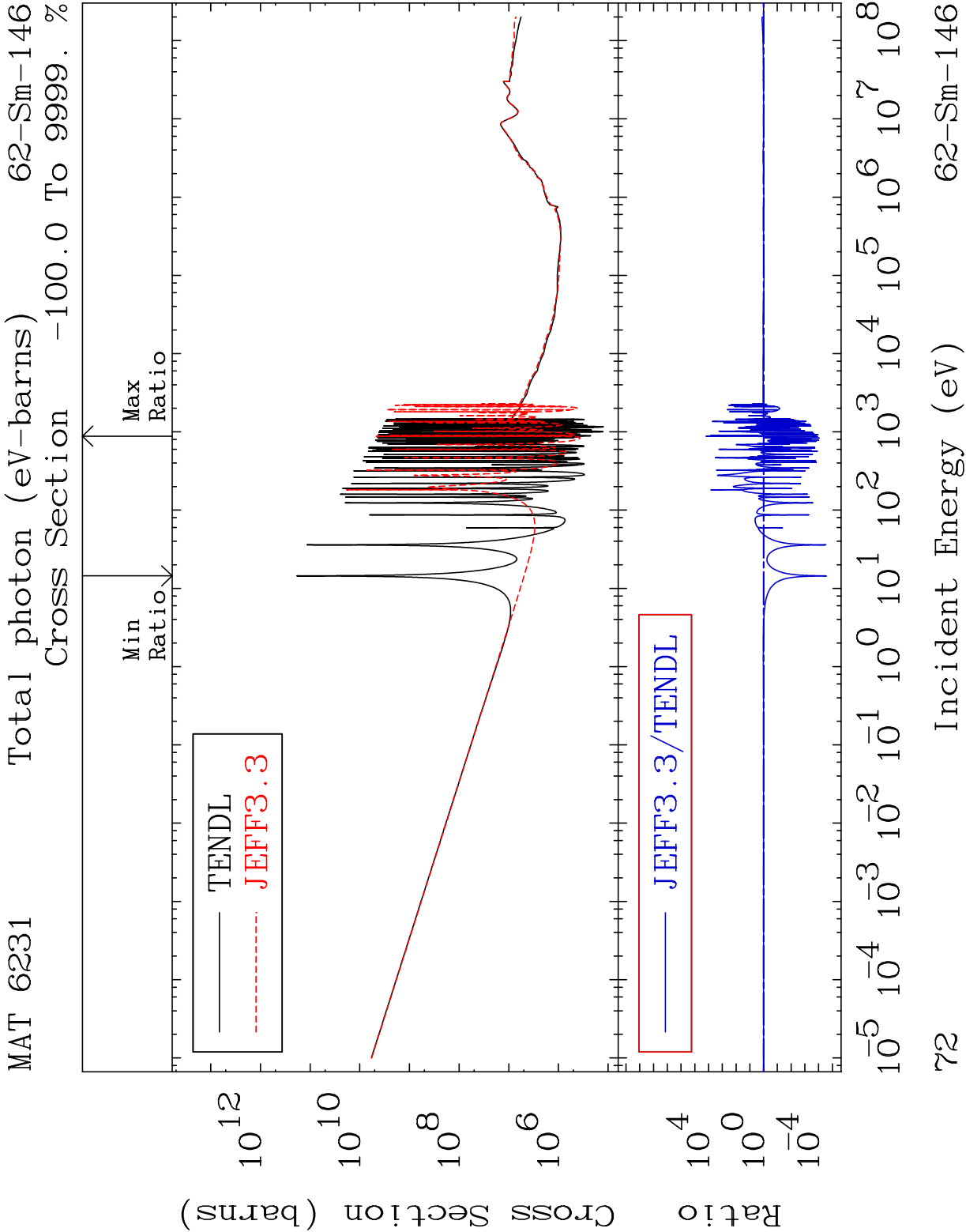
68    Incident Energy (eV)    62-Sm-146



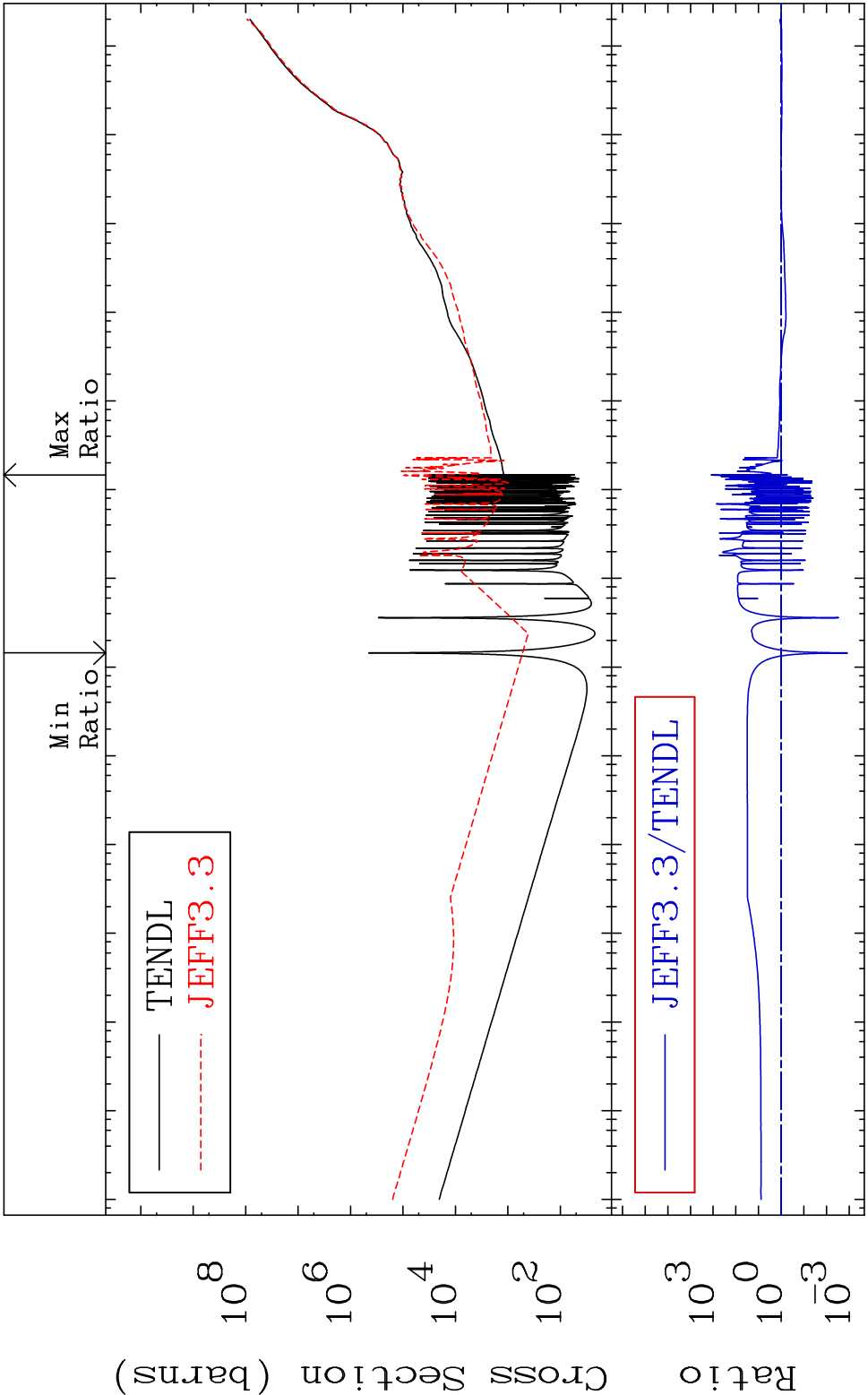
MAT 6231 Kerma fission (mt18 or mt19-20-21-38)62-Sm-146  
Cross Section -80.20 To 9999. %





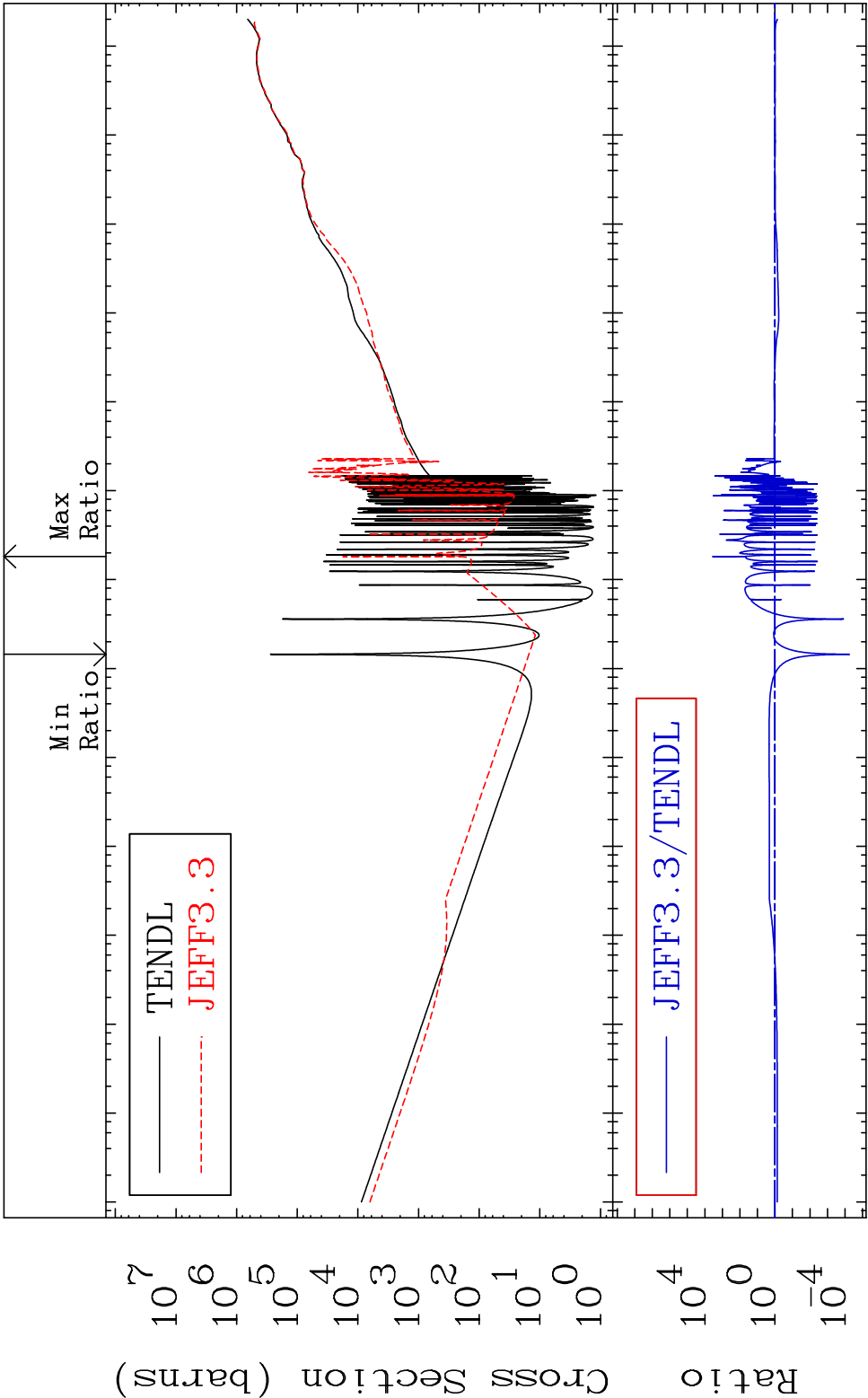


MAT 6231 Total kinematic kerma (high limit) 62-Sm-146  
Cross Section -99.89 To 9999. %

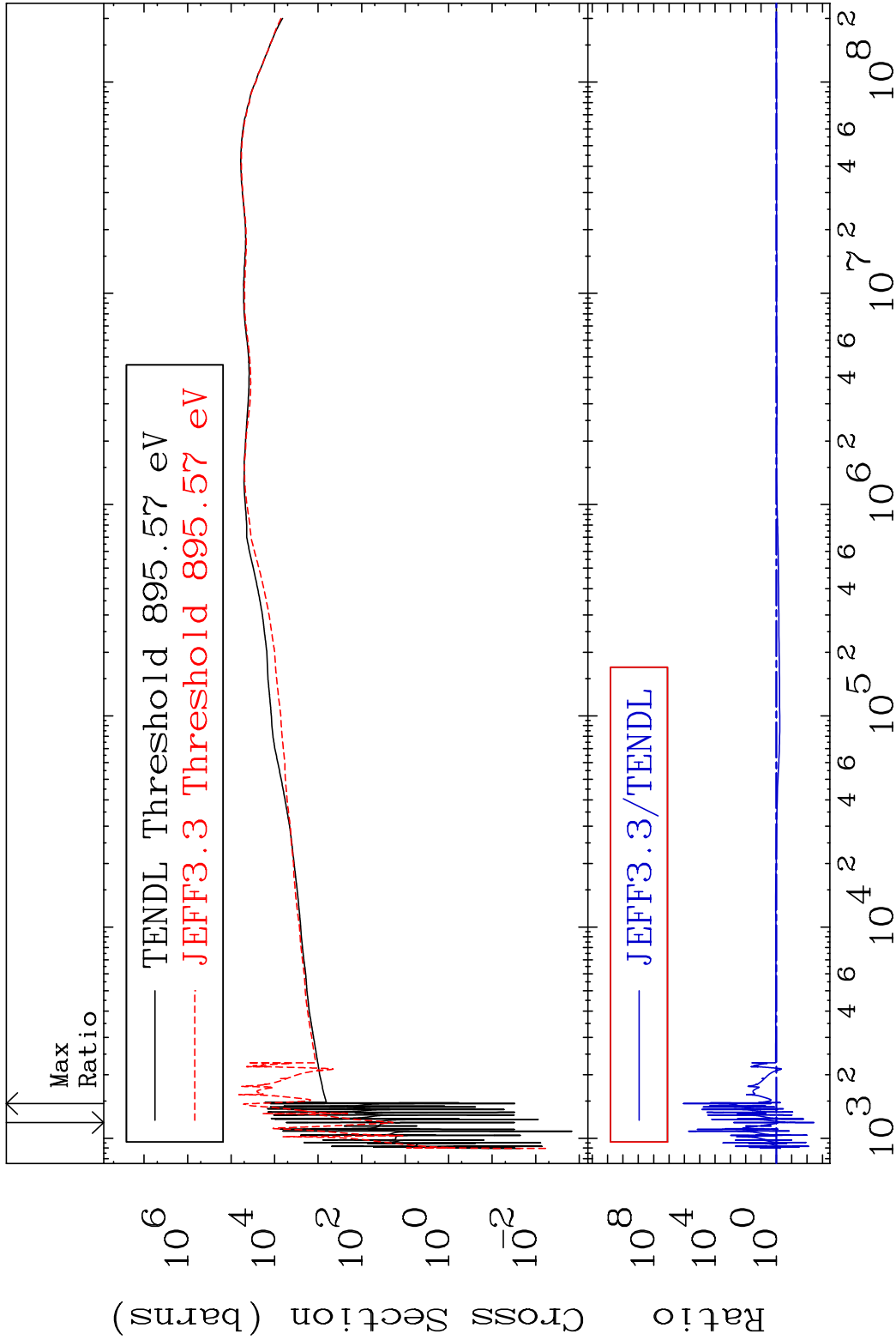


73 Incident Energy (eV) 62-Sm-146

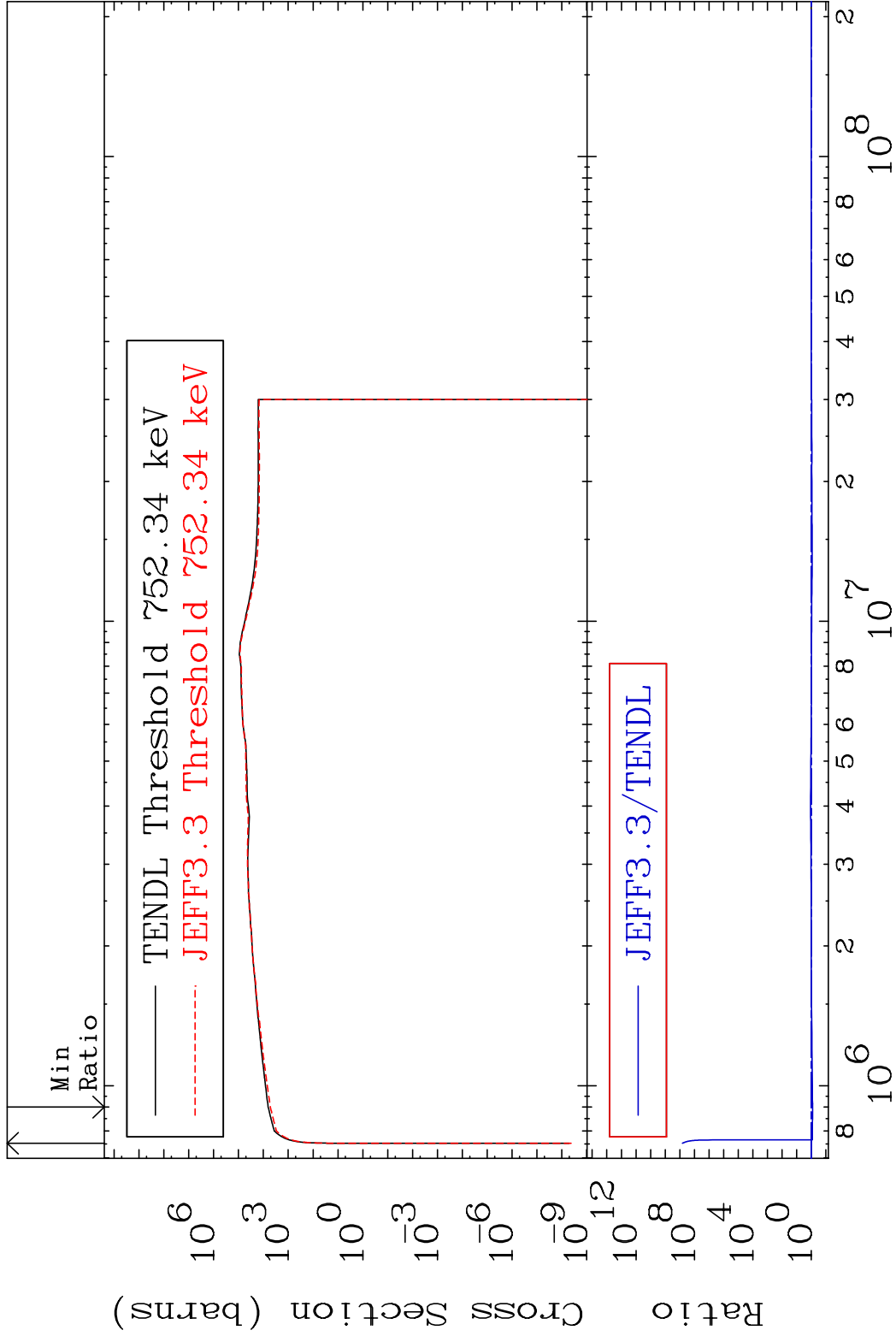
|          |                      |                   |
|----------|----------------------|-------------------|
| MAT 6231 | Dpa total (eV-barns) | 62-Sm-146         |
|          | Cross Section        | -99.99 To 9999. % |



|          |                   |                   |
|----------|-------------------|-------------------|
| MAT 6231 | Dpa elastic (mt2) | 62-Sm-146         |
|          | Cross Section     | -99.65 To 9999. % |



|    |                      |           |
|----|----------------------|-----------|
| 75 | Incident Energy (eV) | 62-Sm-146 |
|----|----------------------|-----------|



MAT 6231    Dpa disappearance (mt102 -120)    62-Sm-146  
Cross Section    -99.99 To 9999. %

