

Program Complot  
(Version 2021-1)

by

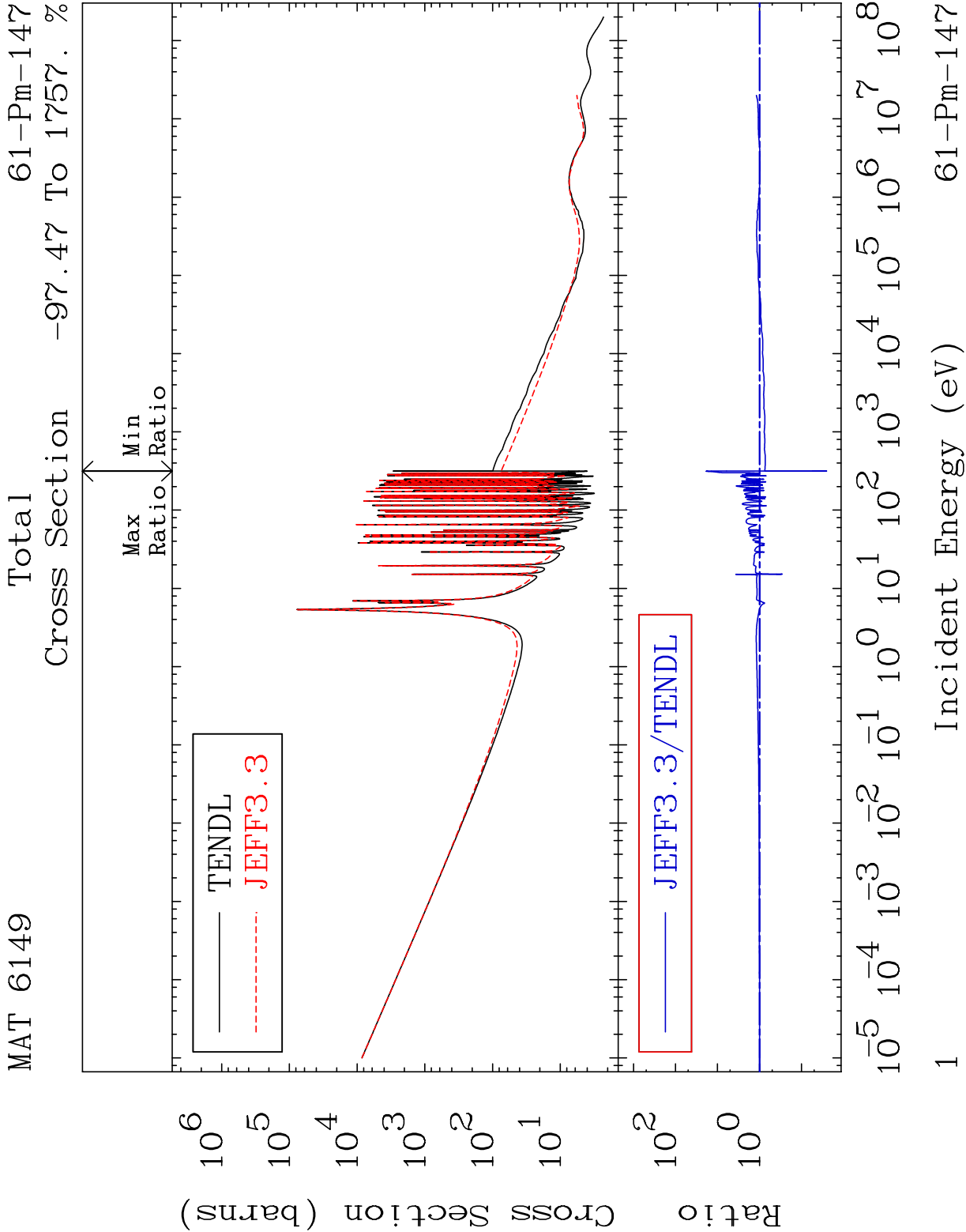
Dermott E. Cullen  
(Present Contact Information)

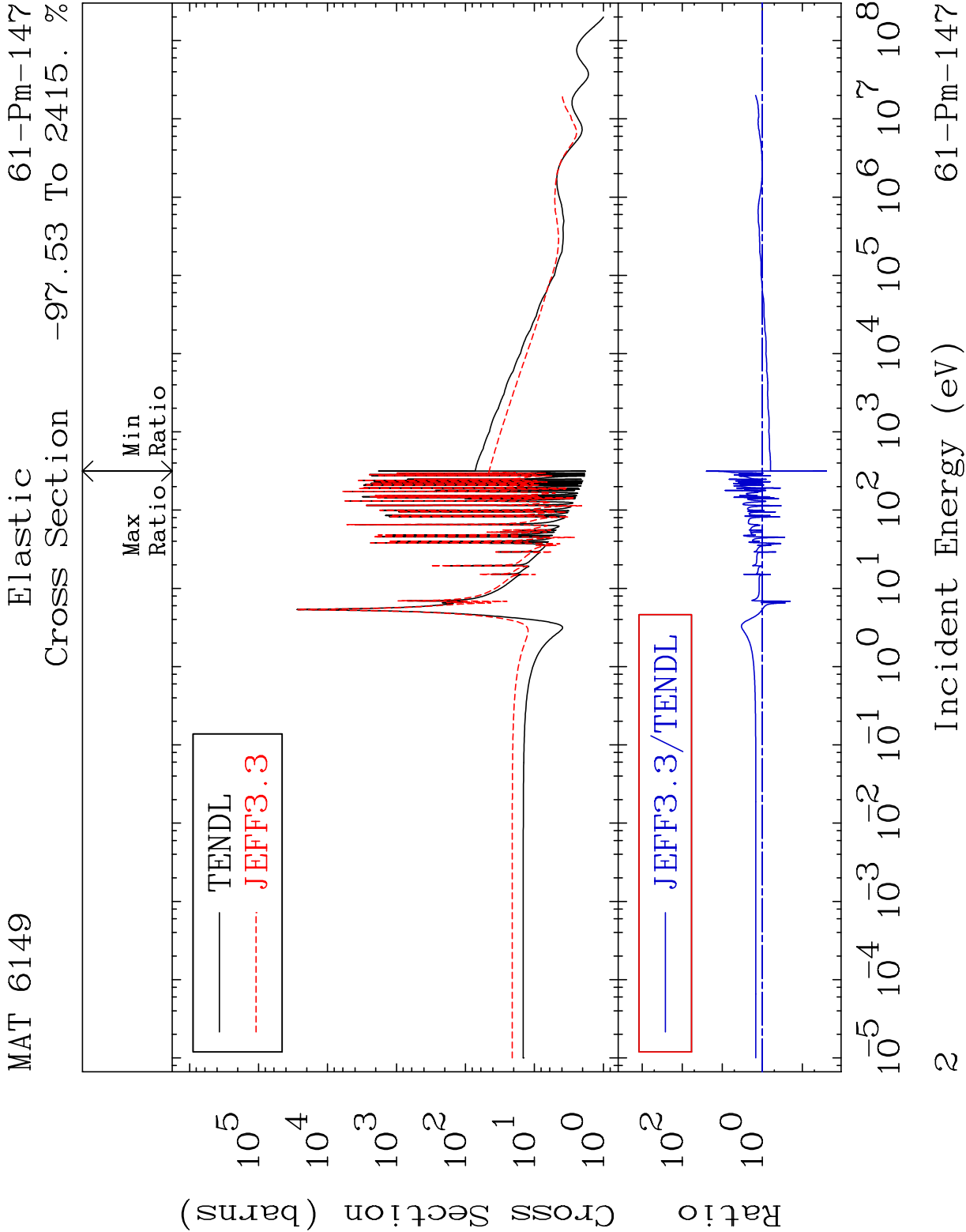
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

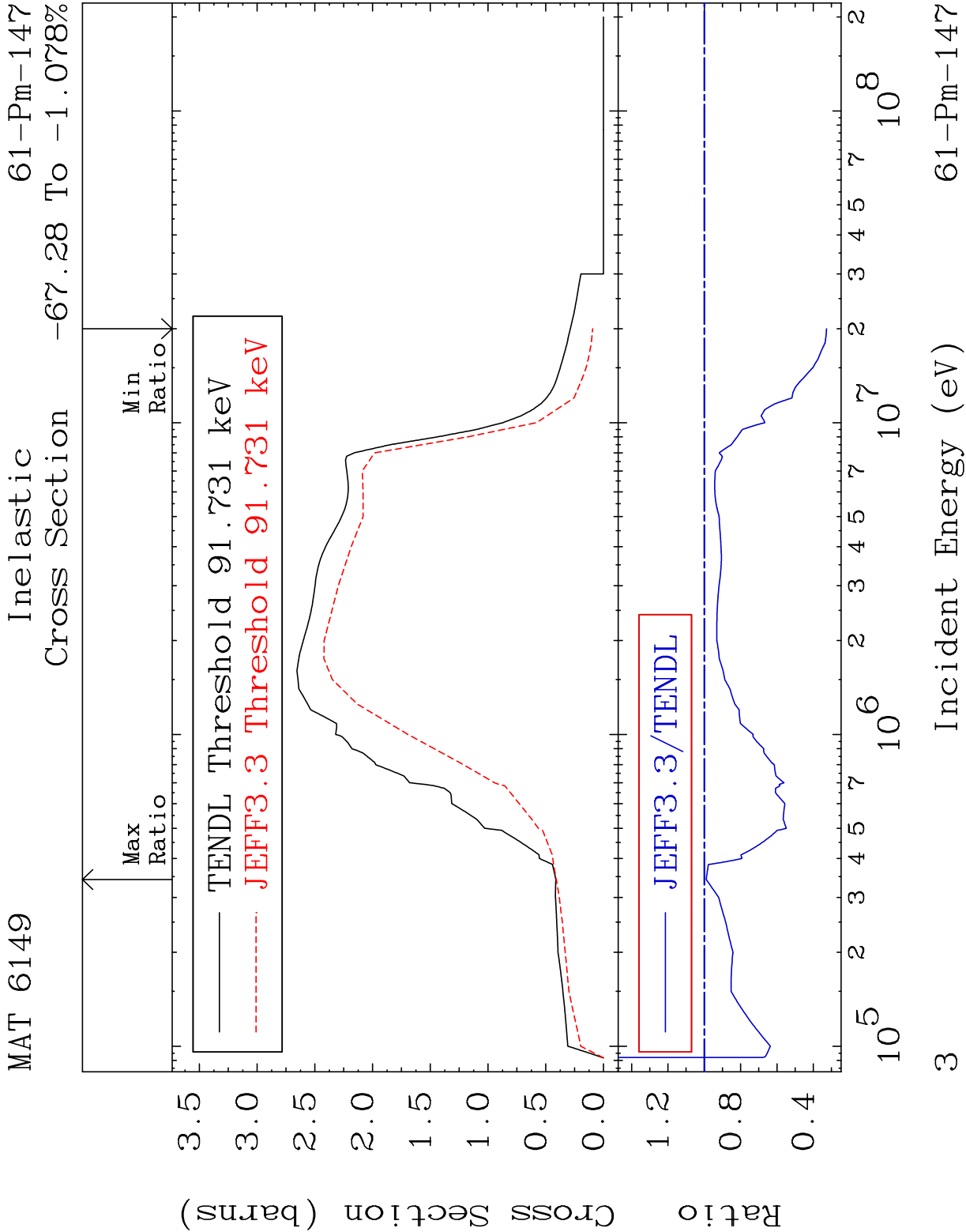
Tele: 925-443-1911

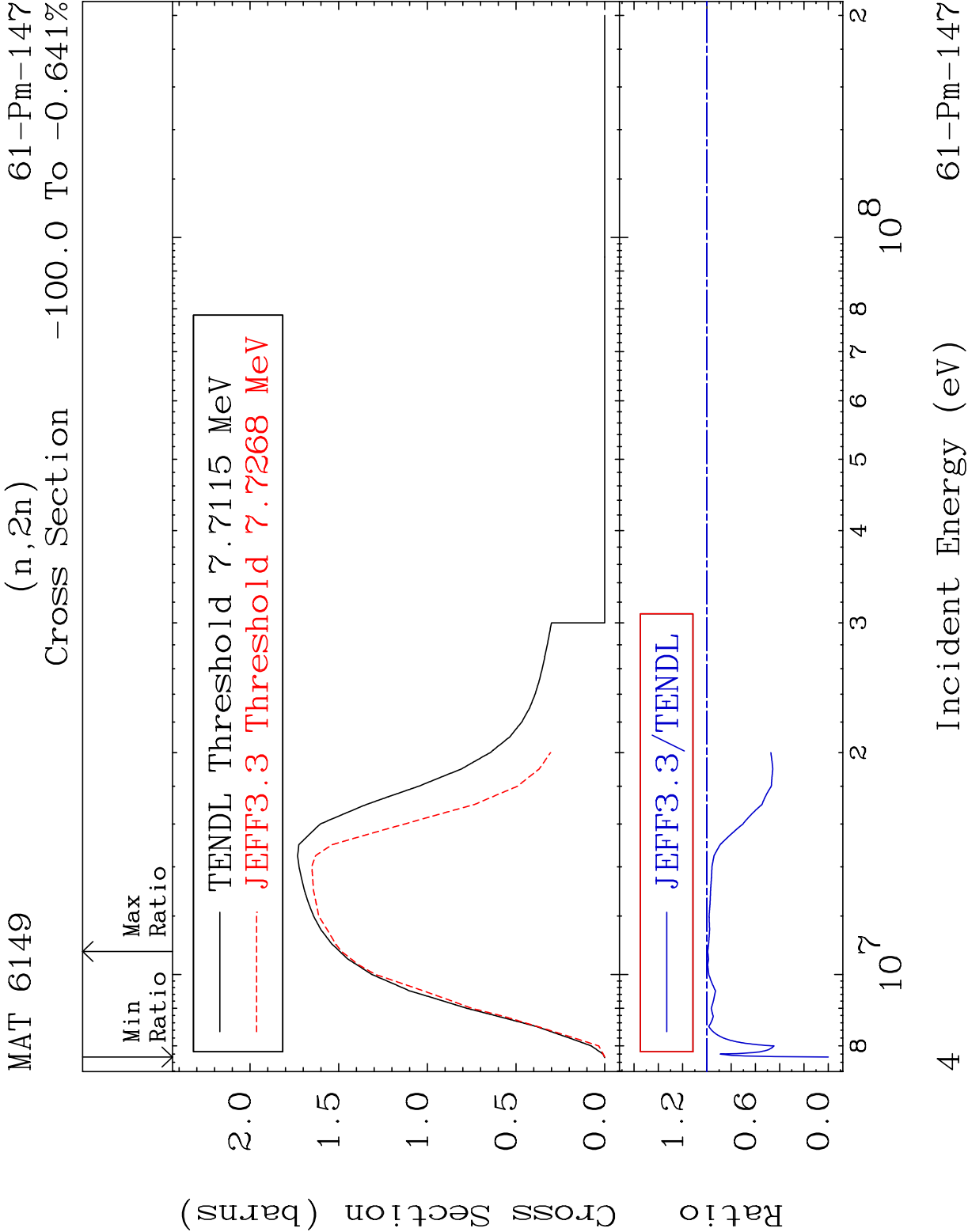
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

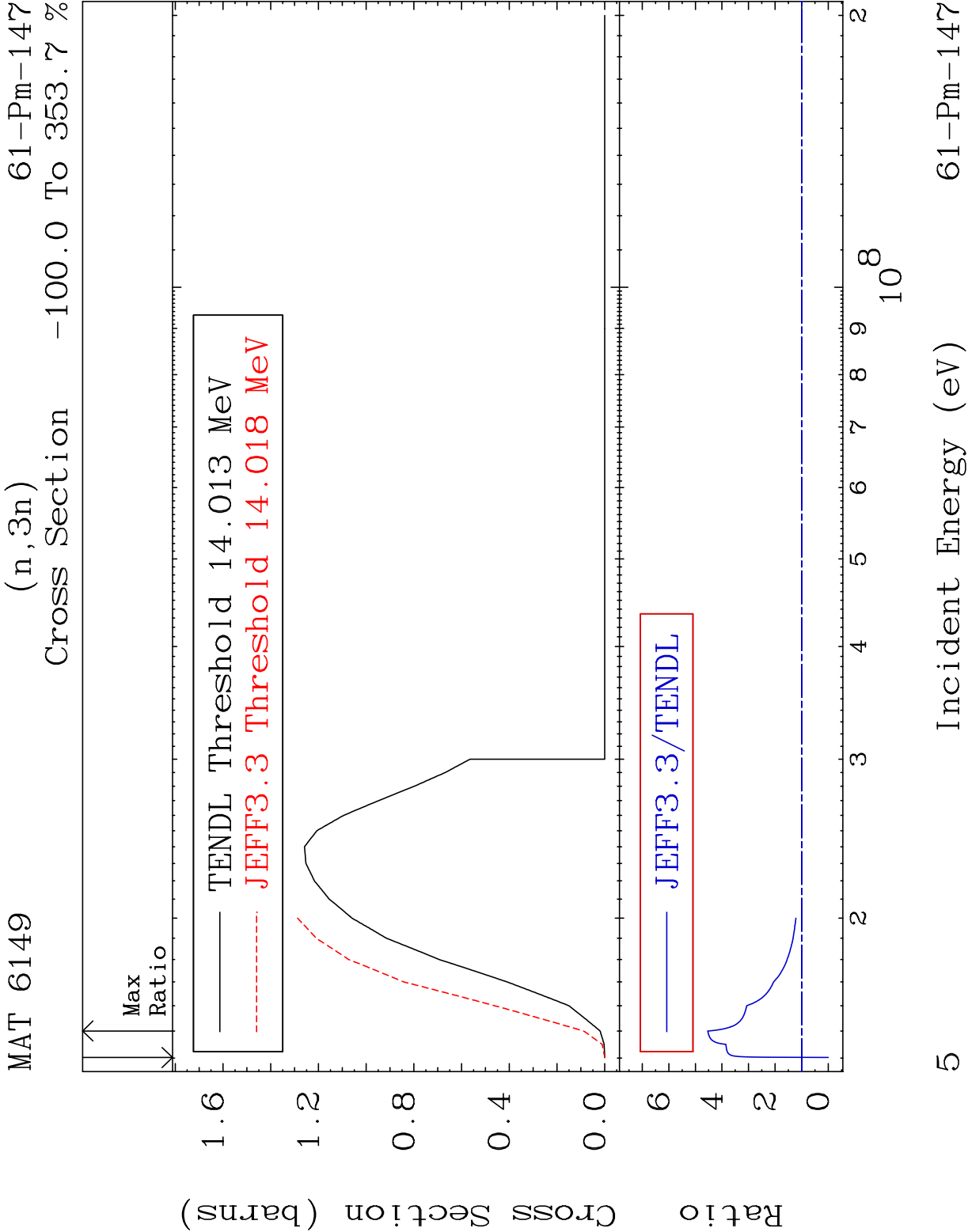
Press Mouse Button to Start



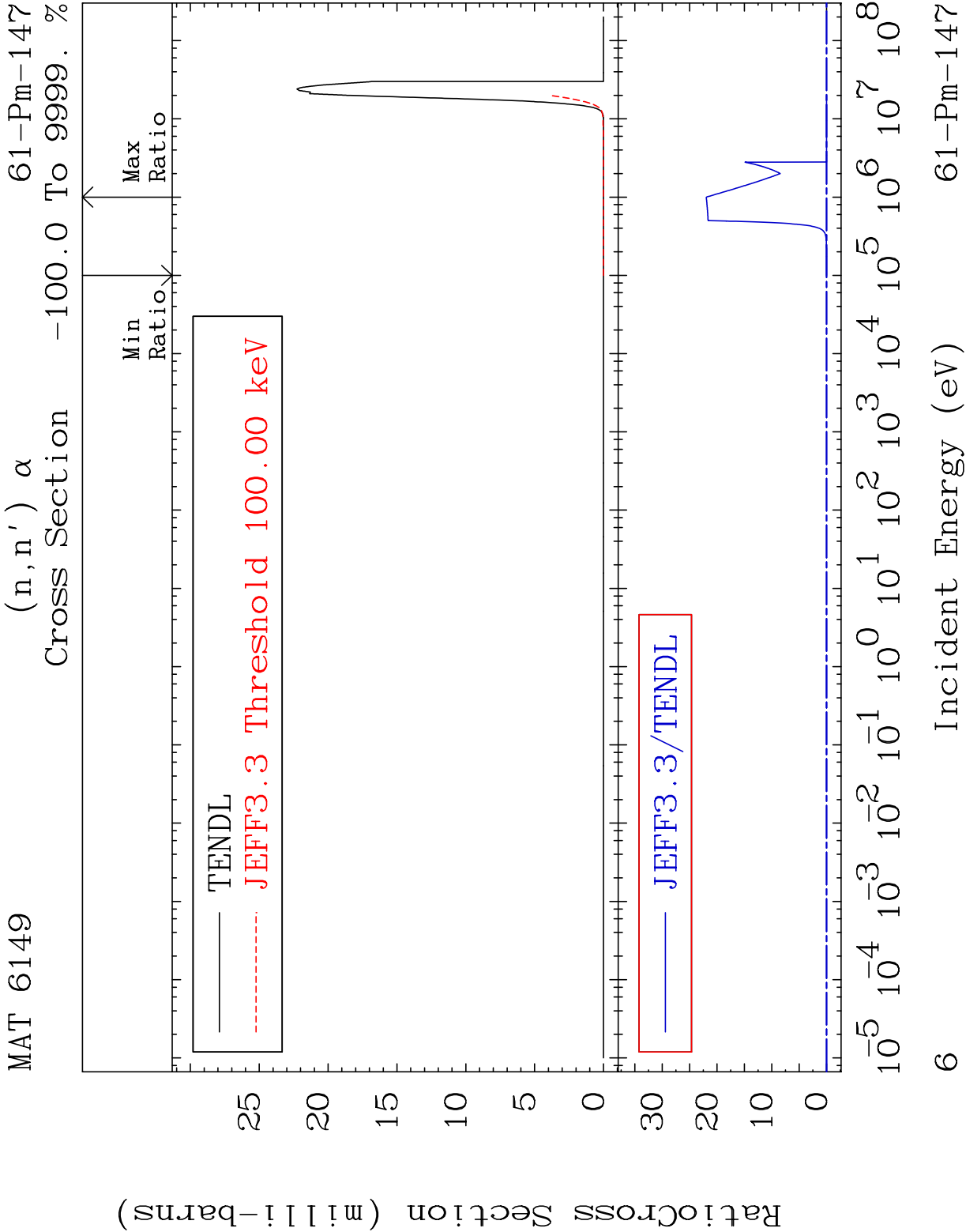


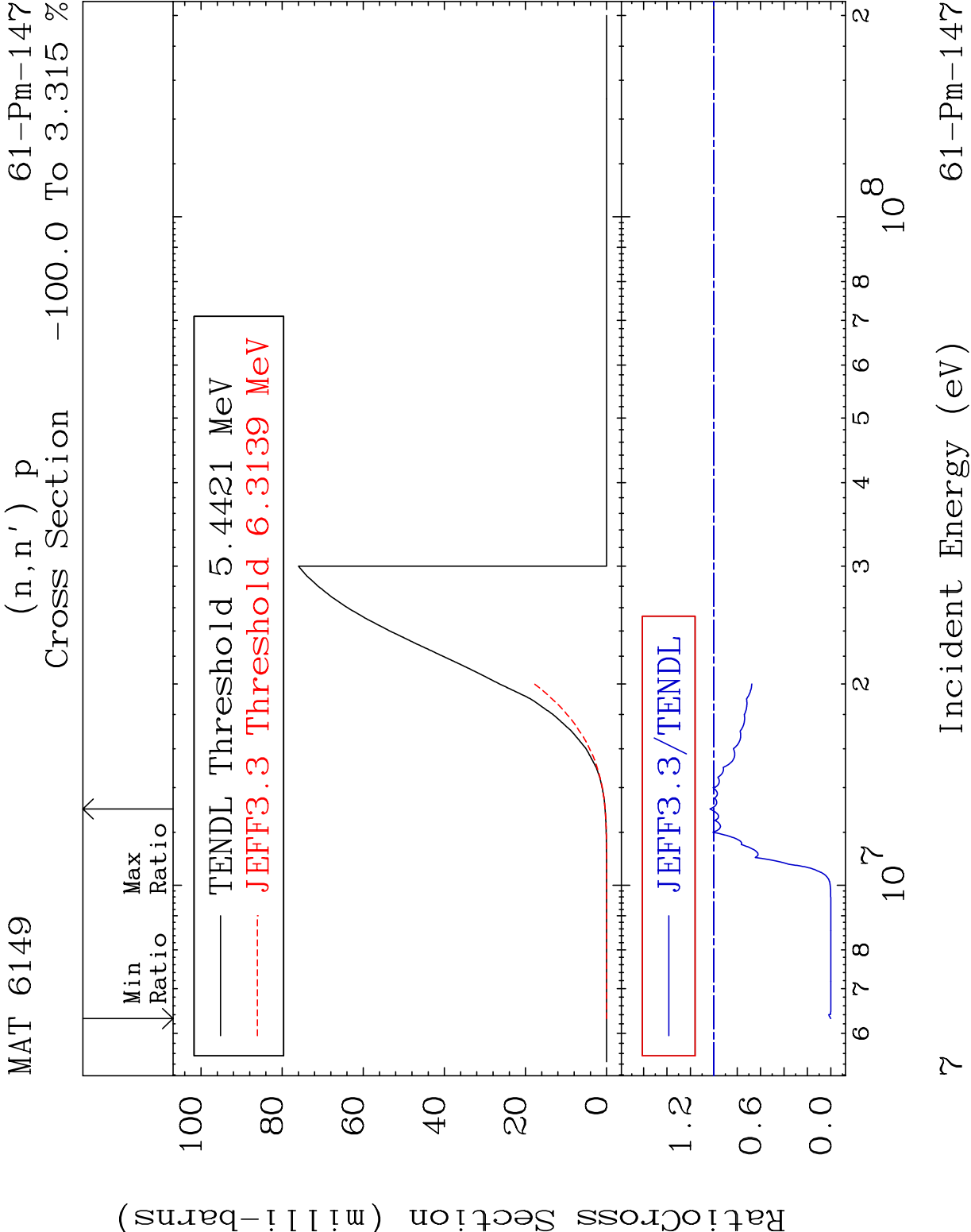


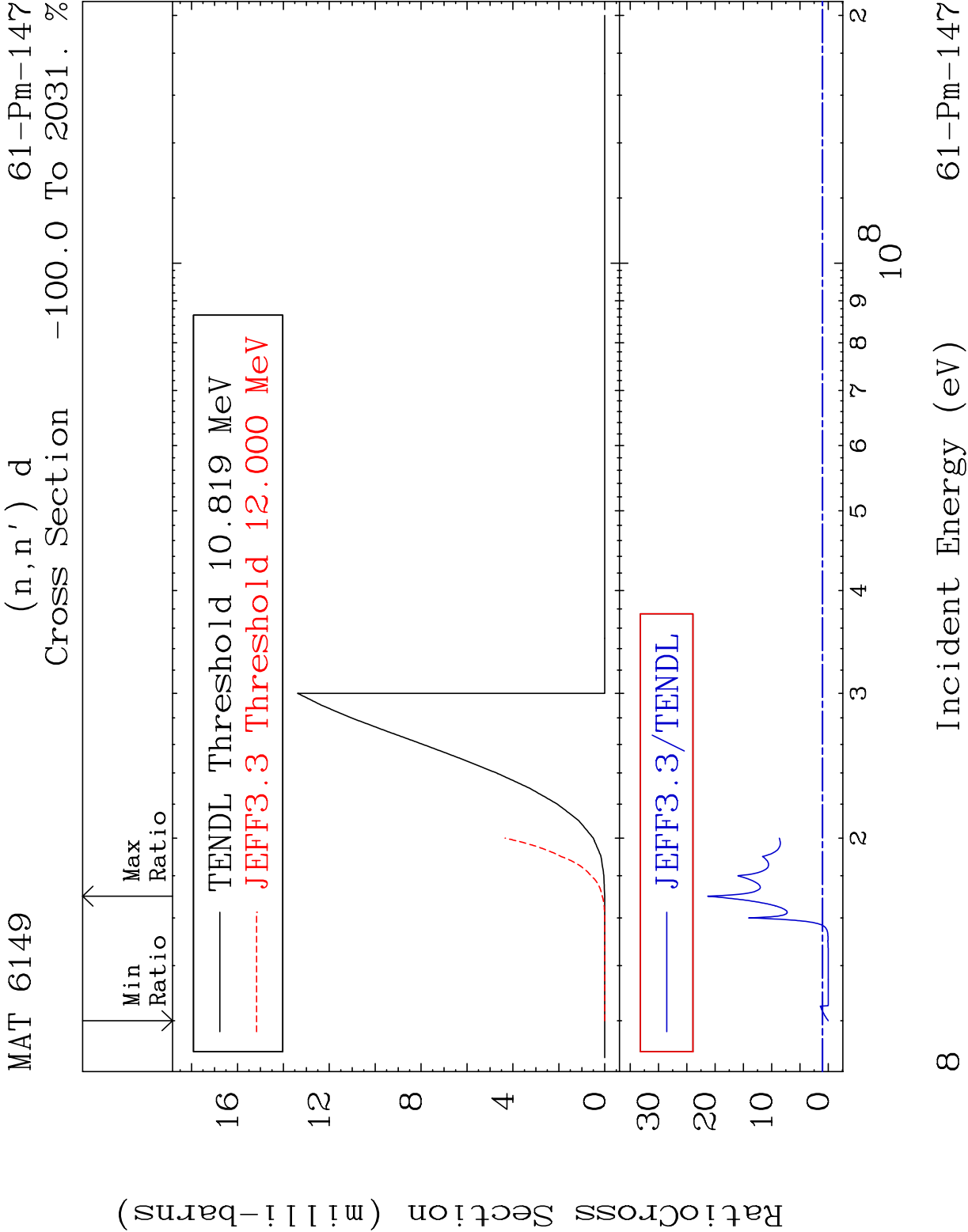


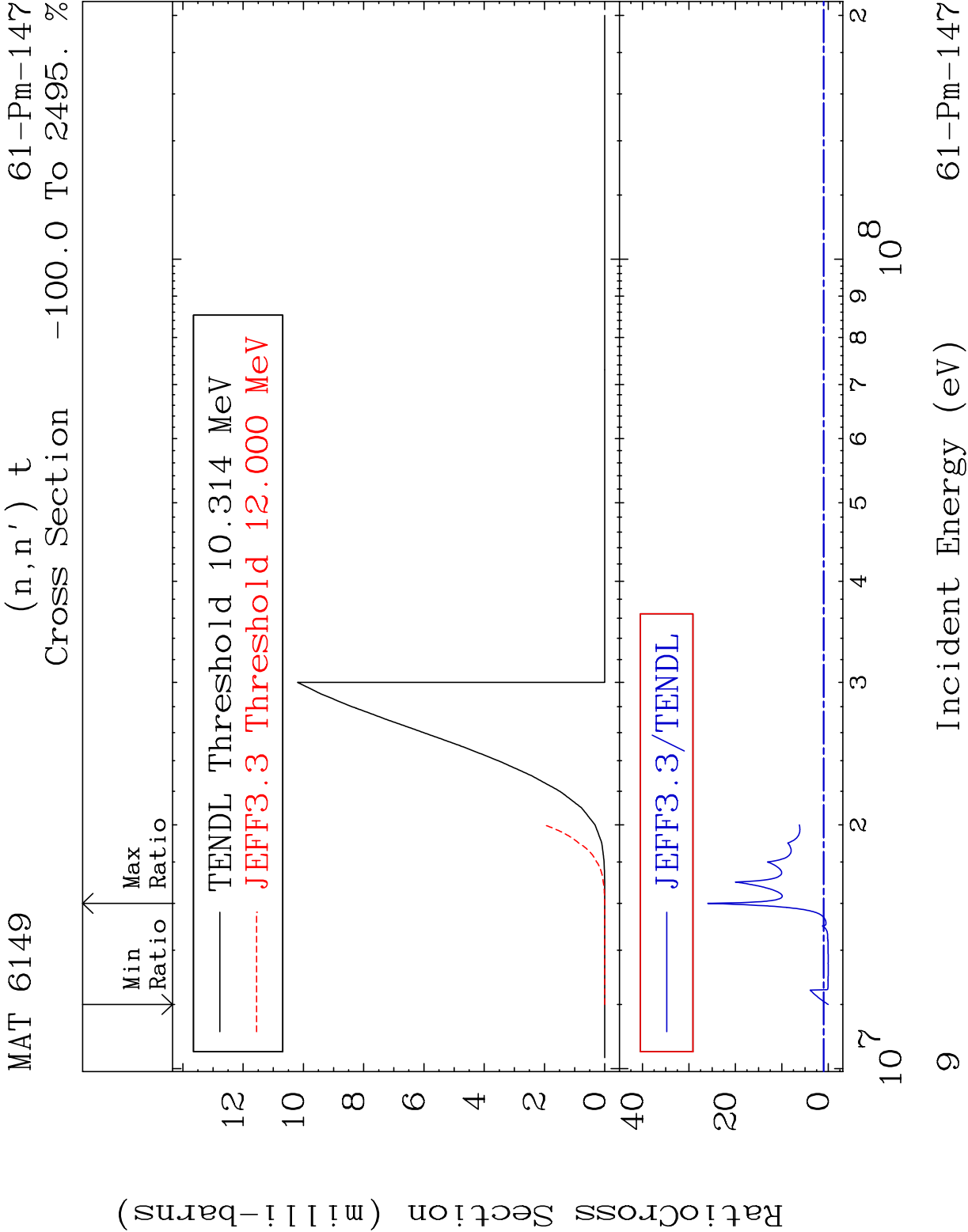


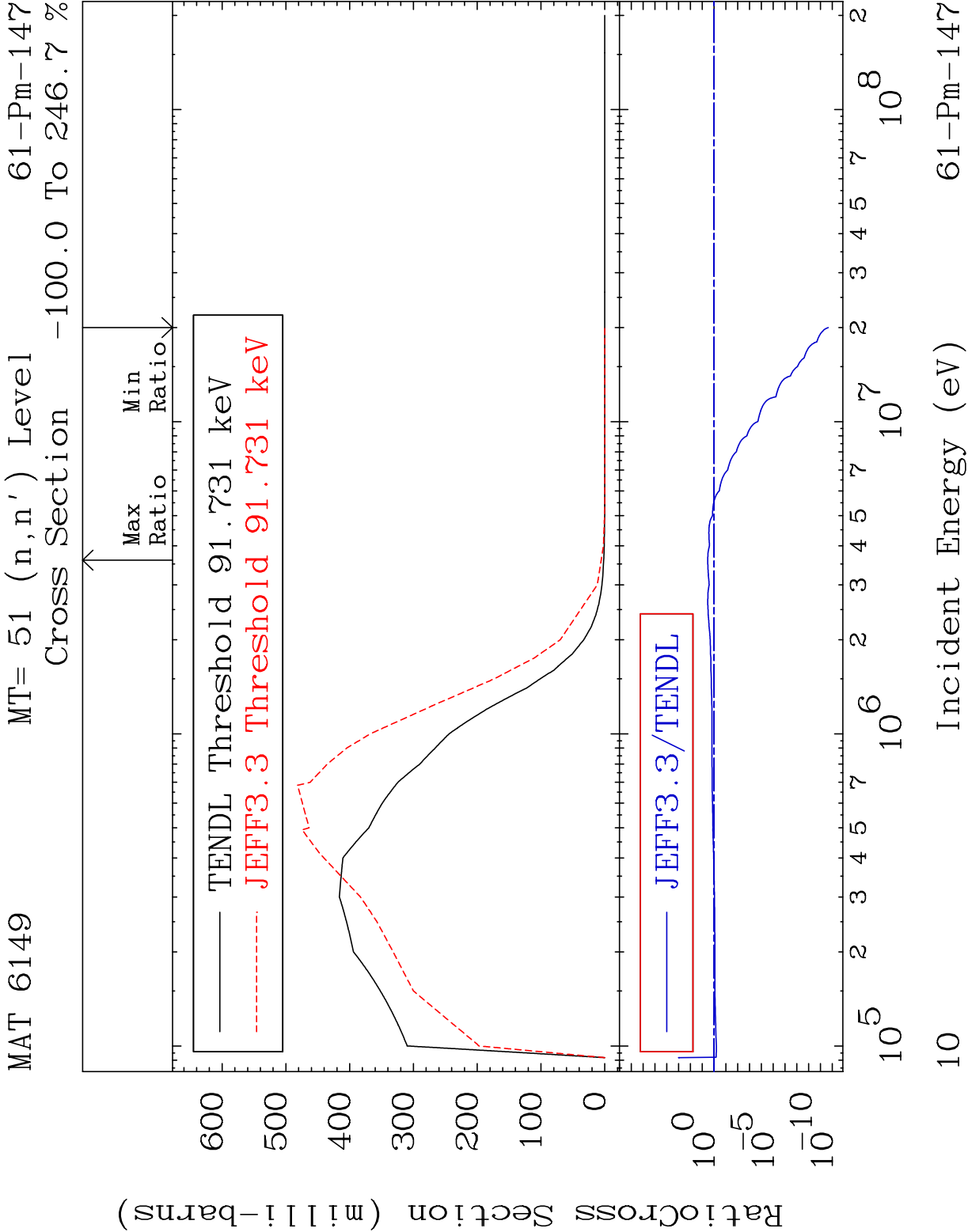
5



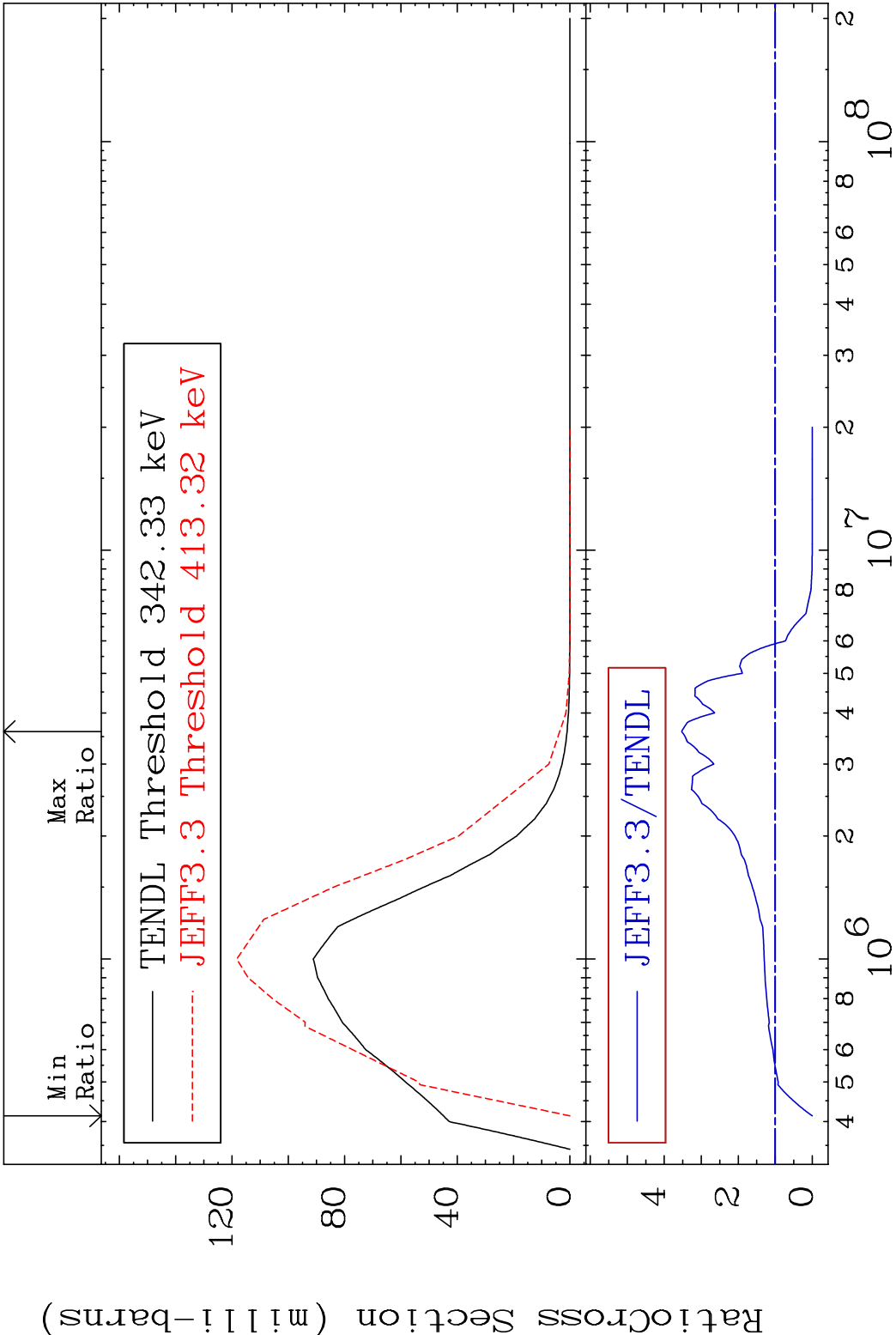




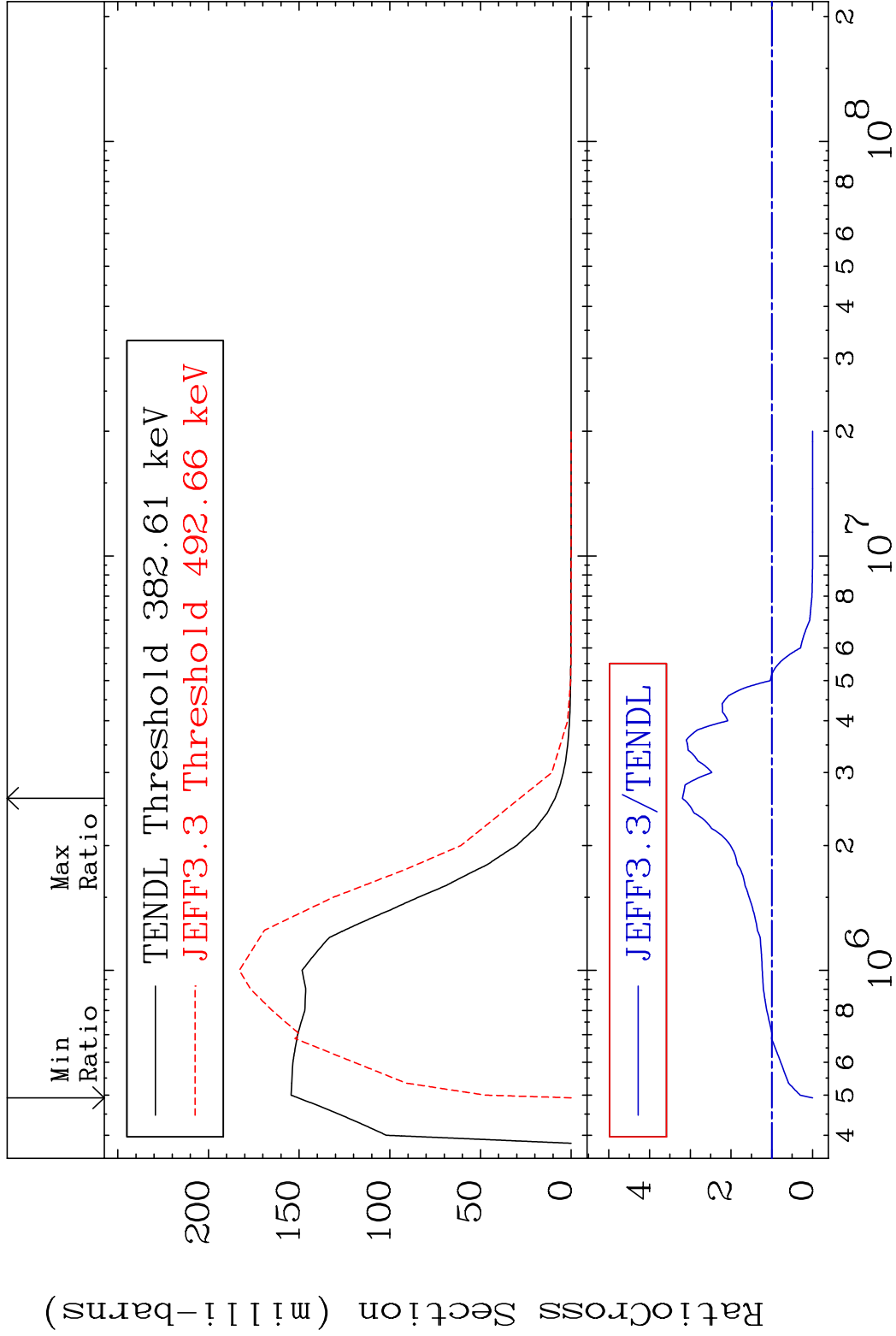




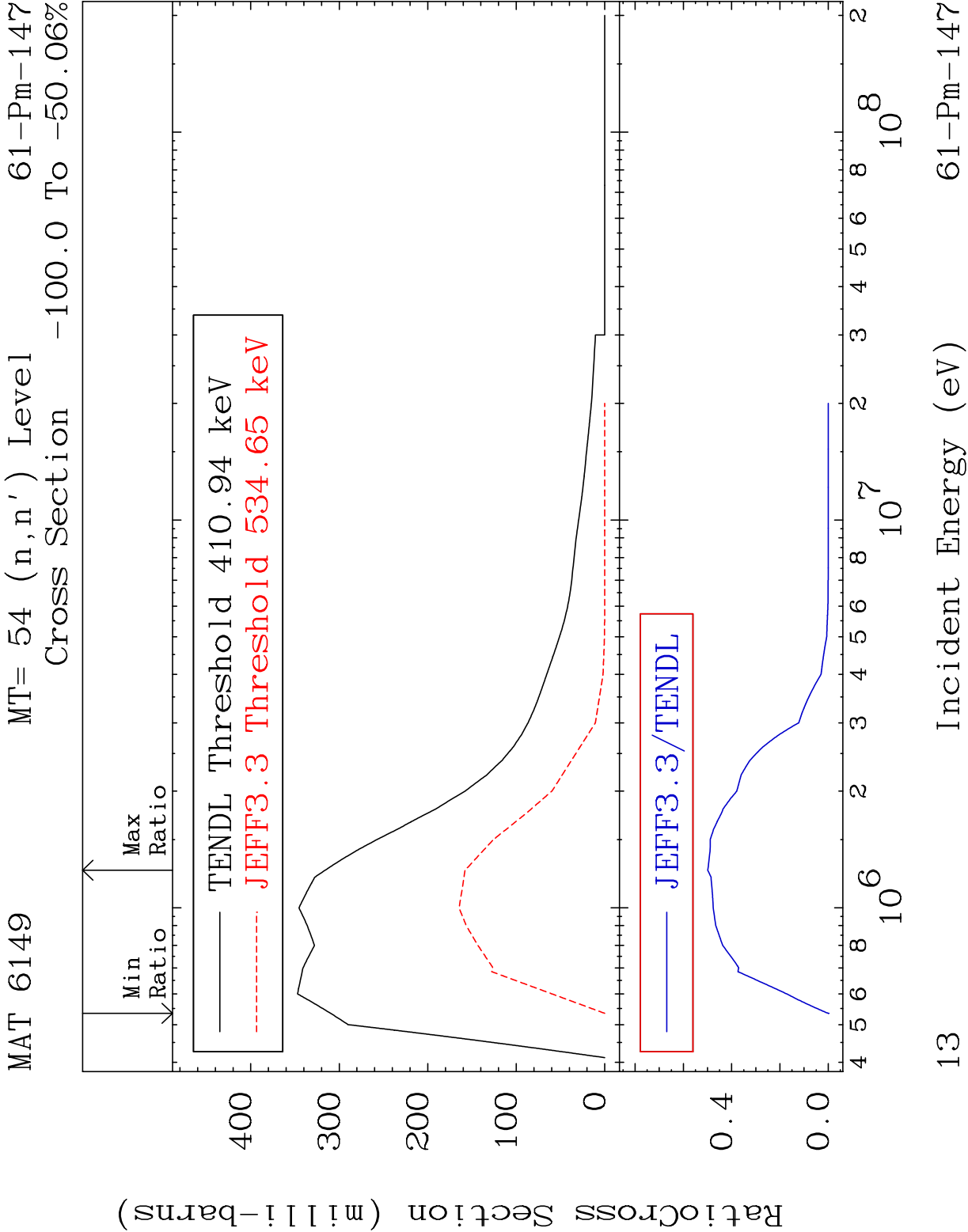
MAT 6149      MT= 52 (n,n') Level      61-Pm-147  
 Cross Section    -100.0 To 253.3 %



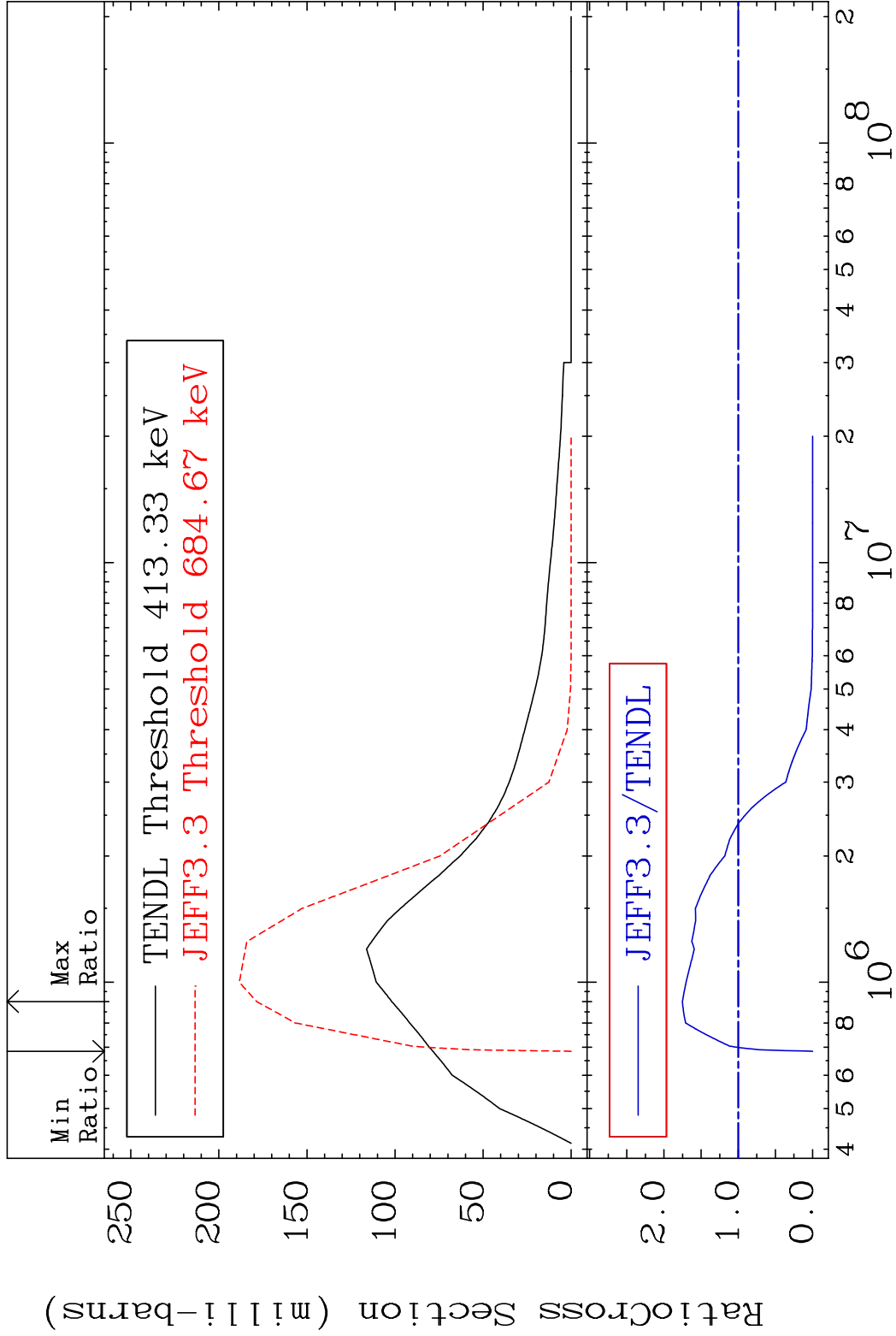
MAT 6149      MT= 53 (n,n') Level      61-Pm-147  
Cross Section    -100.0 To 219.5 %



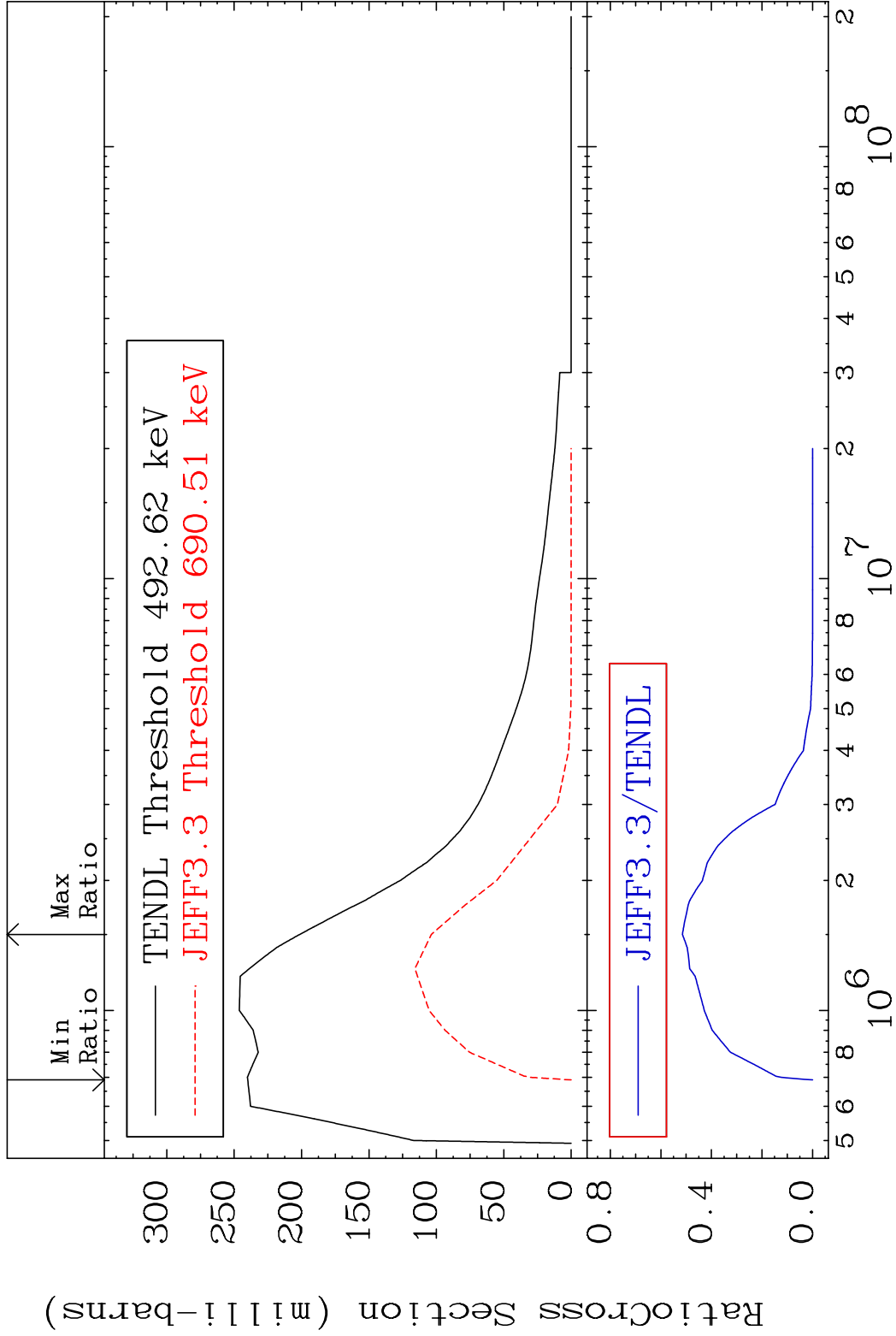
12      Incident Energy (eV)      61-Pm-147



MAT 6149      MT= 55 (n,n') Level      61-Pm-147  
 Cross Section    -100.0 To 75.26 %



MAT 6149      MT= 56 (n,n') Level      61-Pm-147  
Cross Section    -100.0 To -48.50%



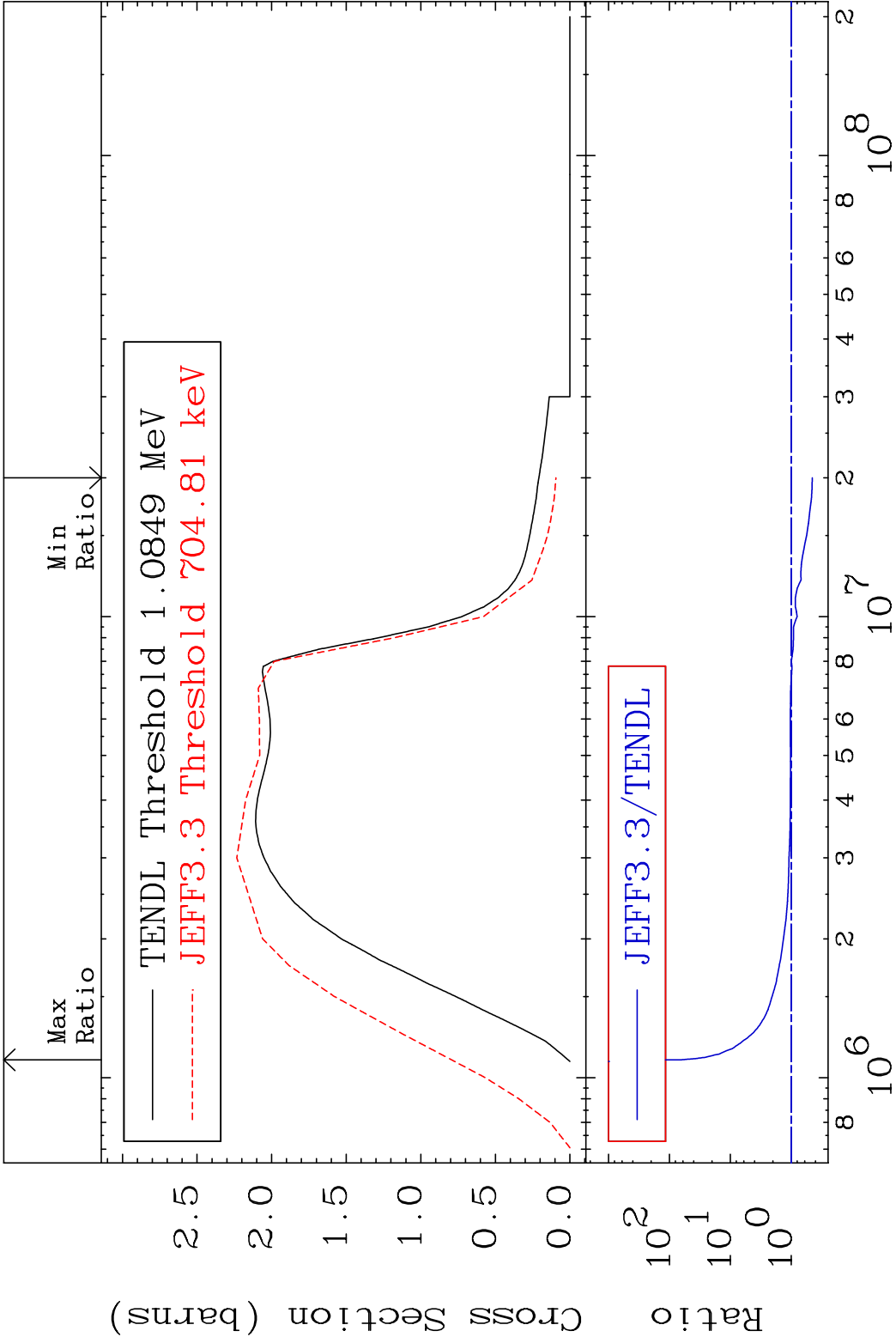
MAT 6149

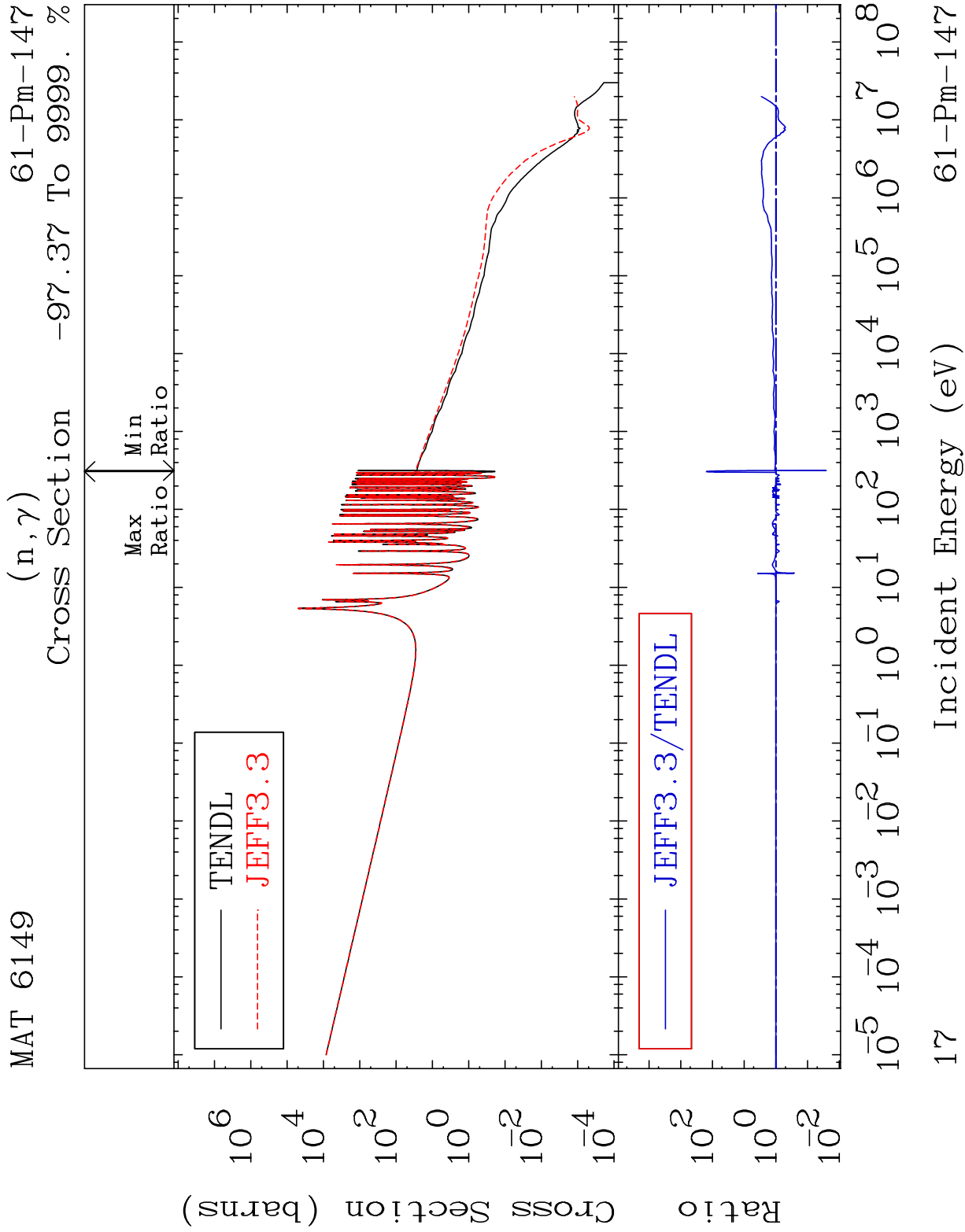
(n,n') Continuum

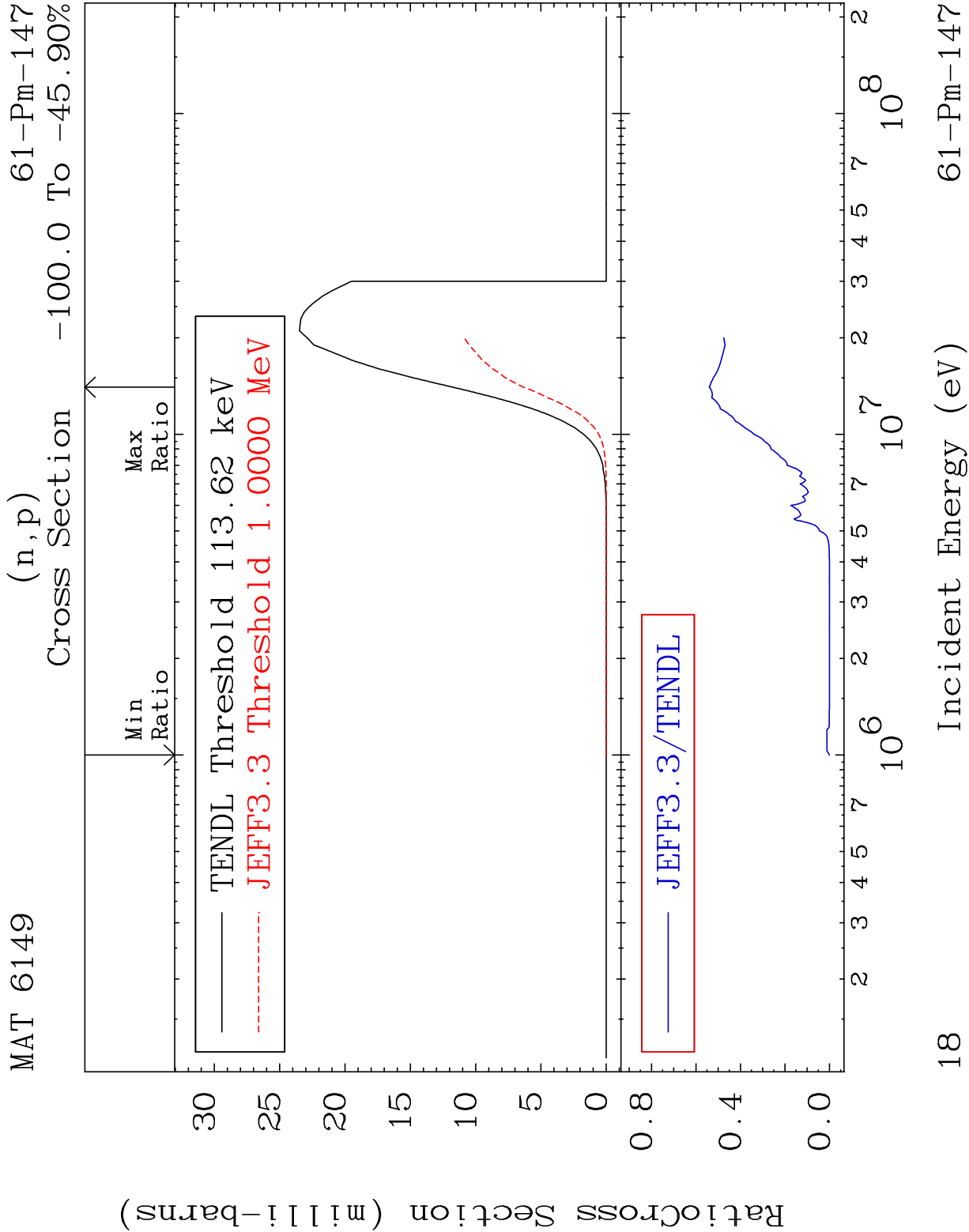
61-Pm-147

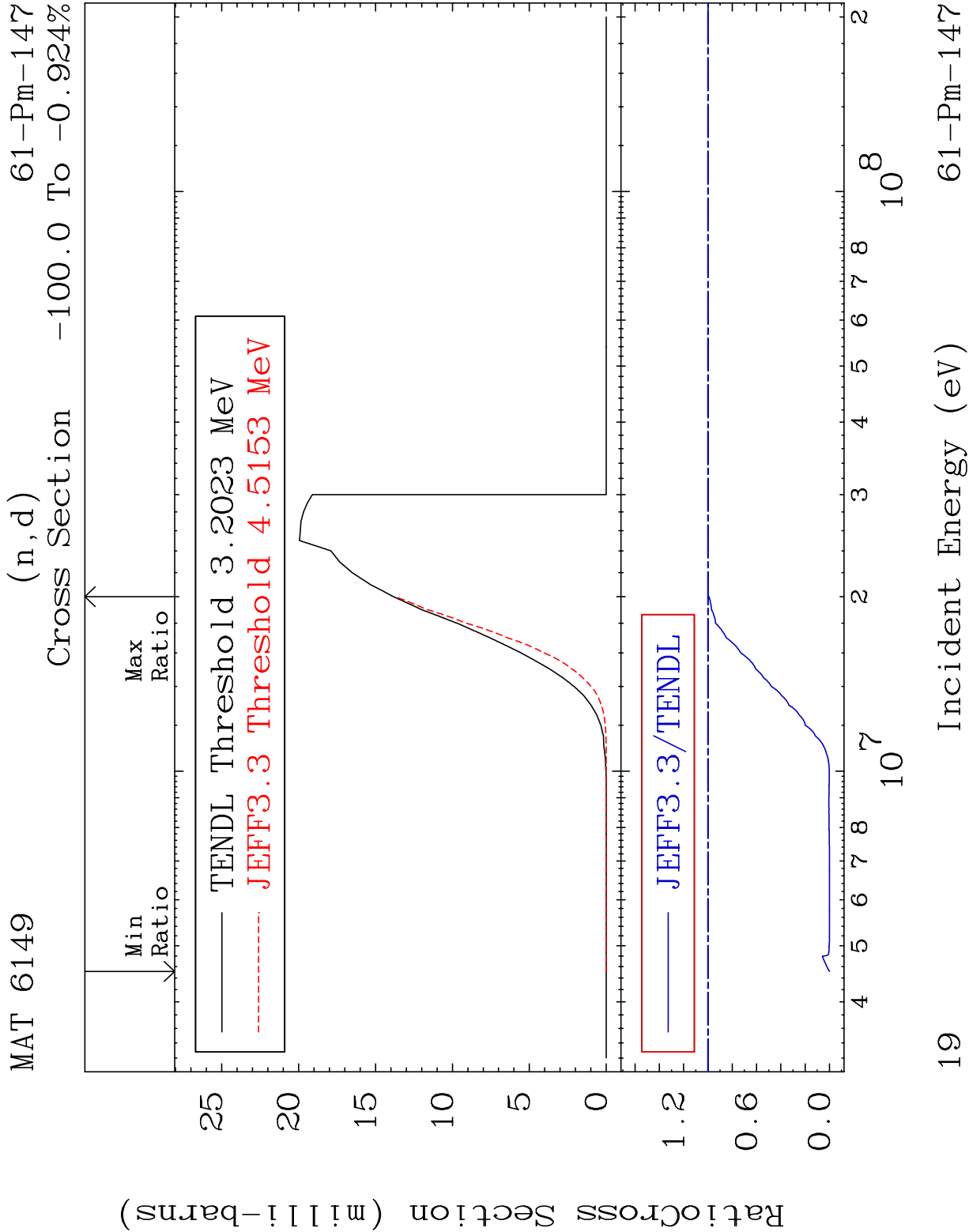
Cross Section

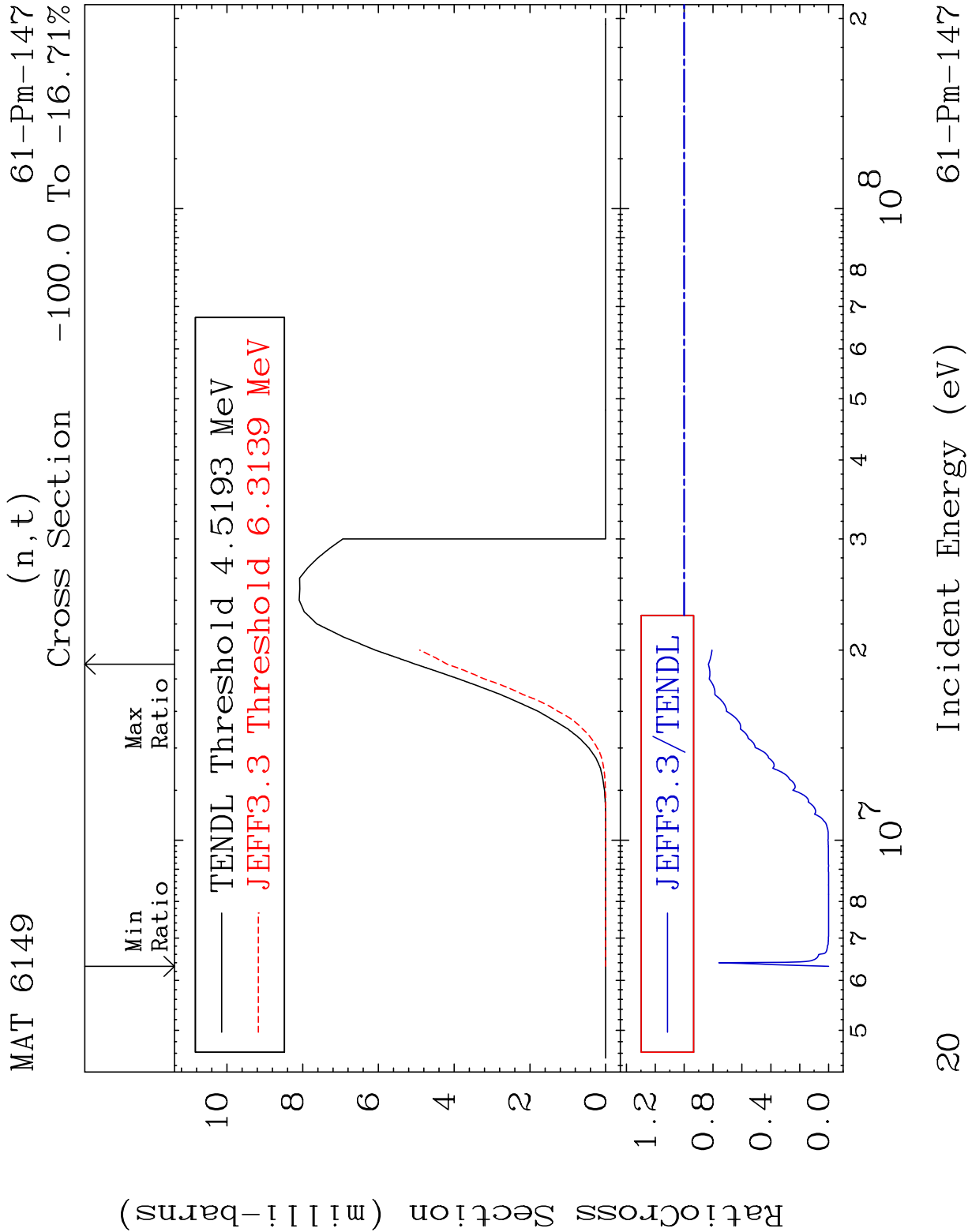
-54.77 To 6232. %

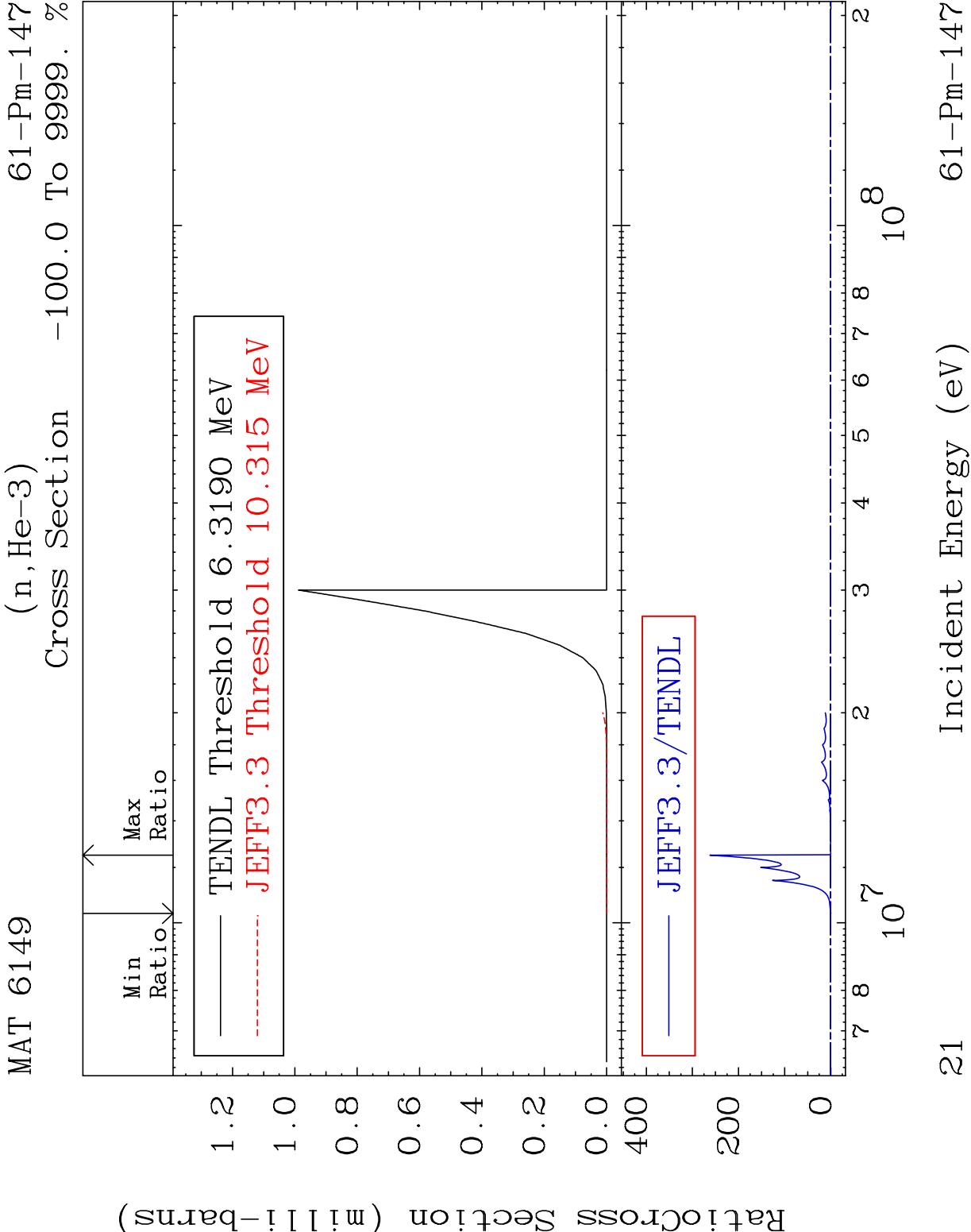


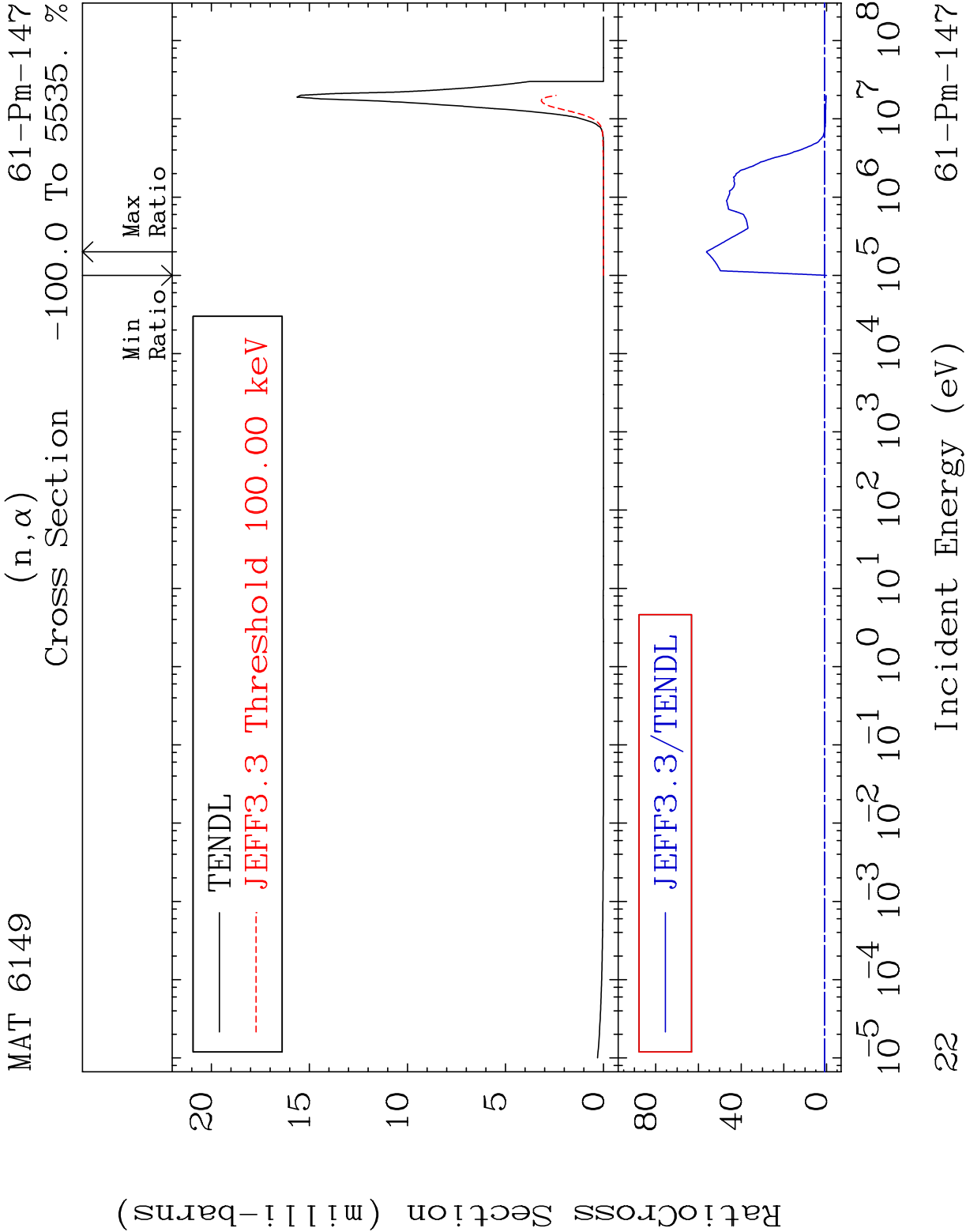










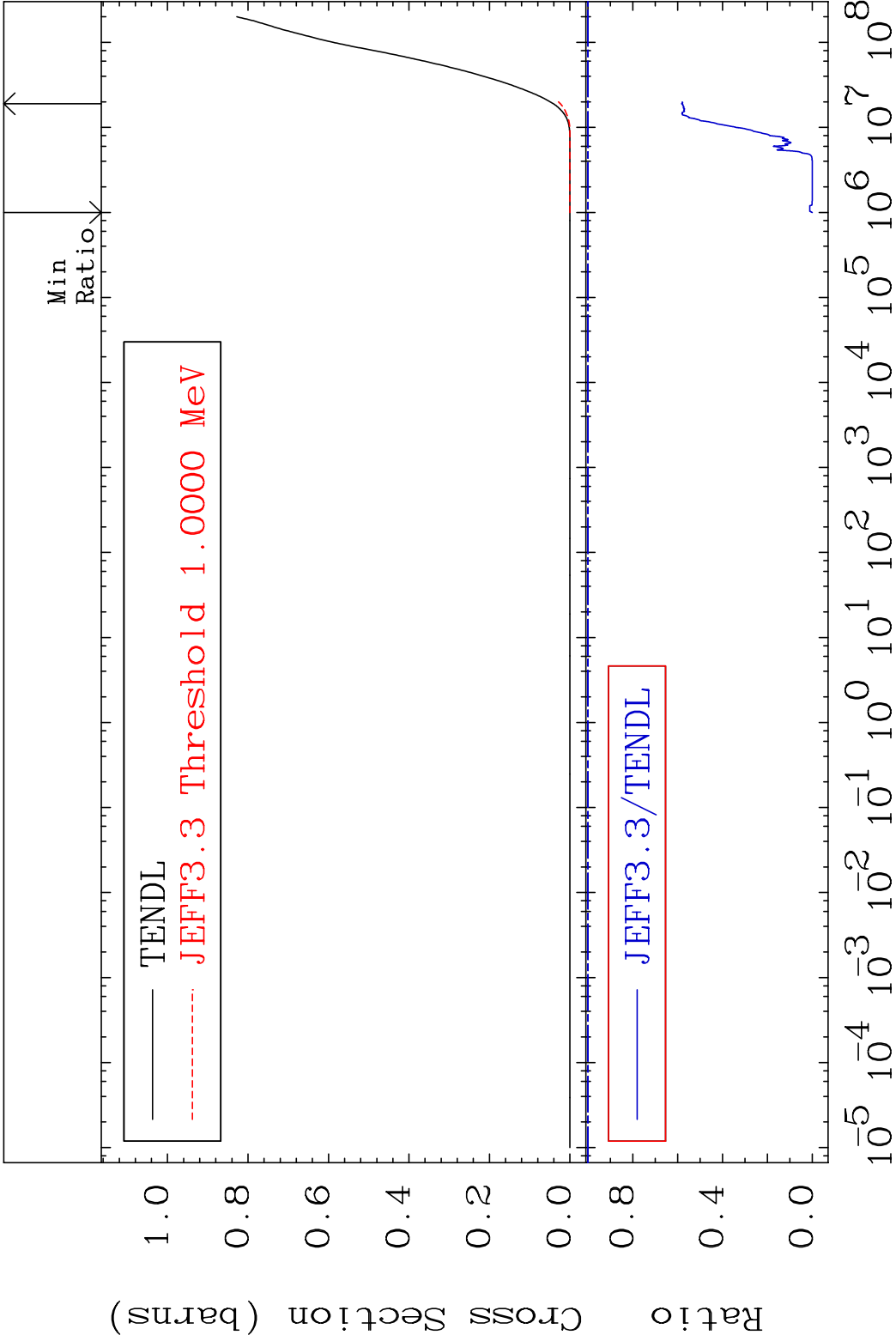


MAT 6149

Hydrogen Production

61-Pm-147

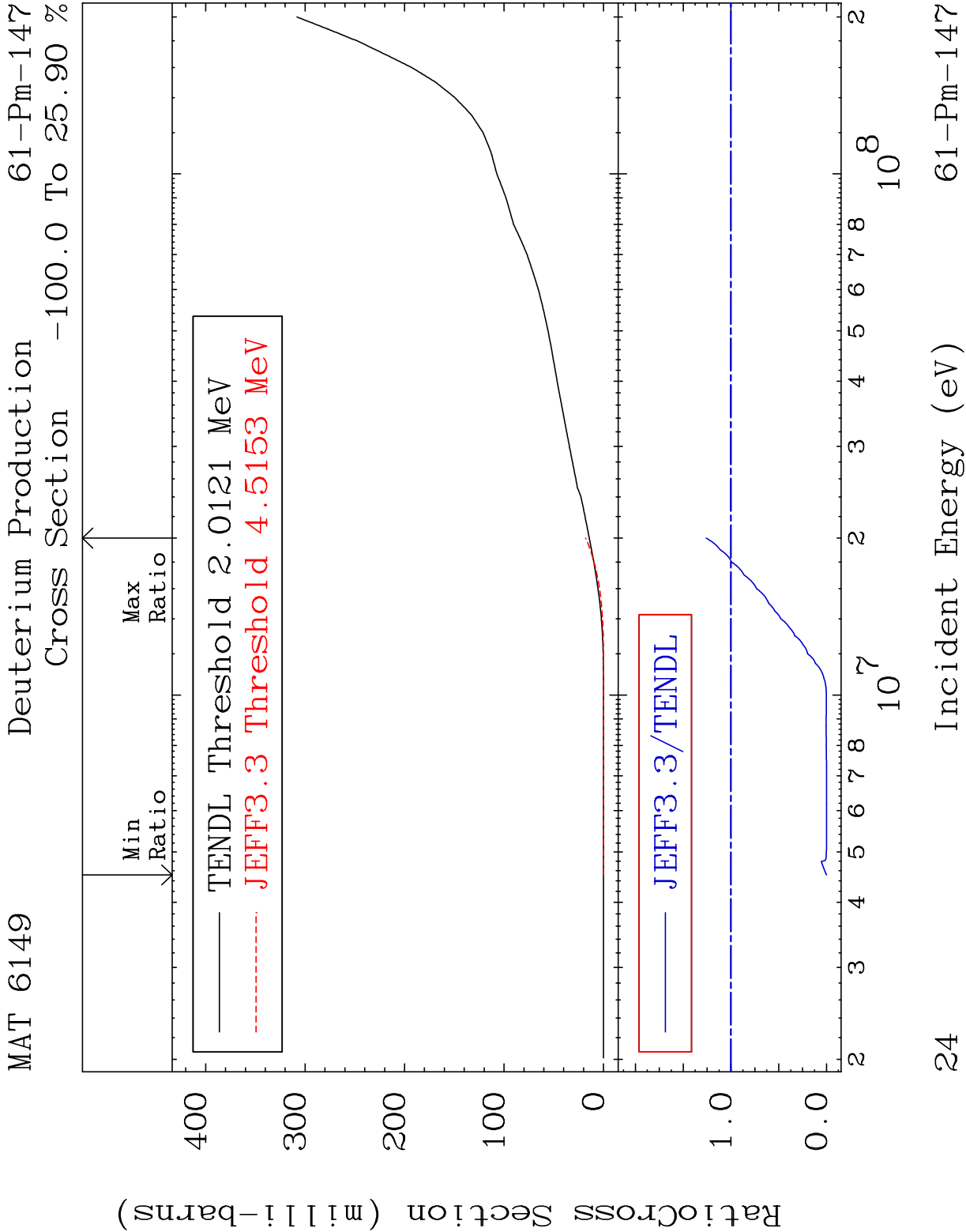
Cross Section -100.0 To -41.71%

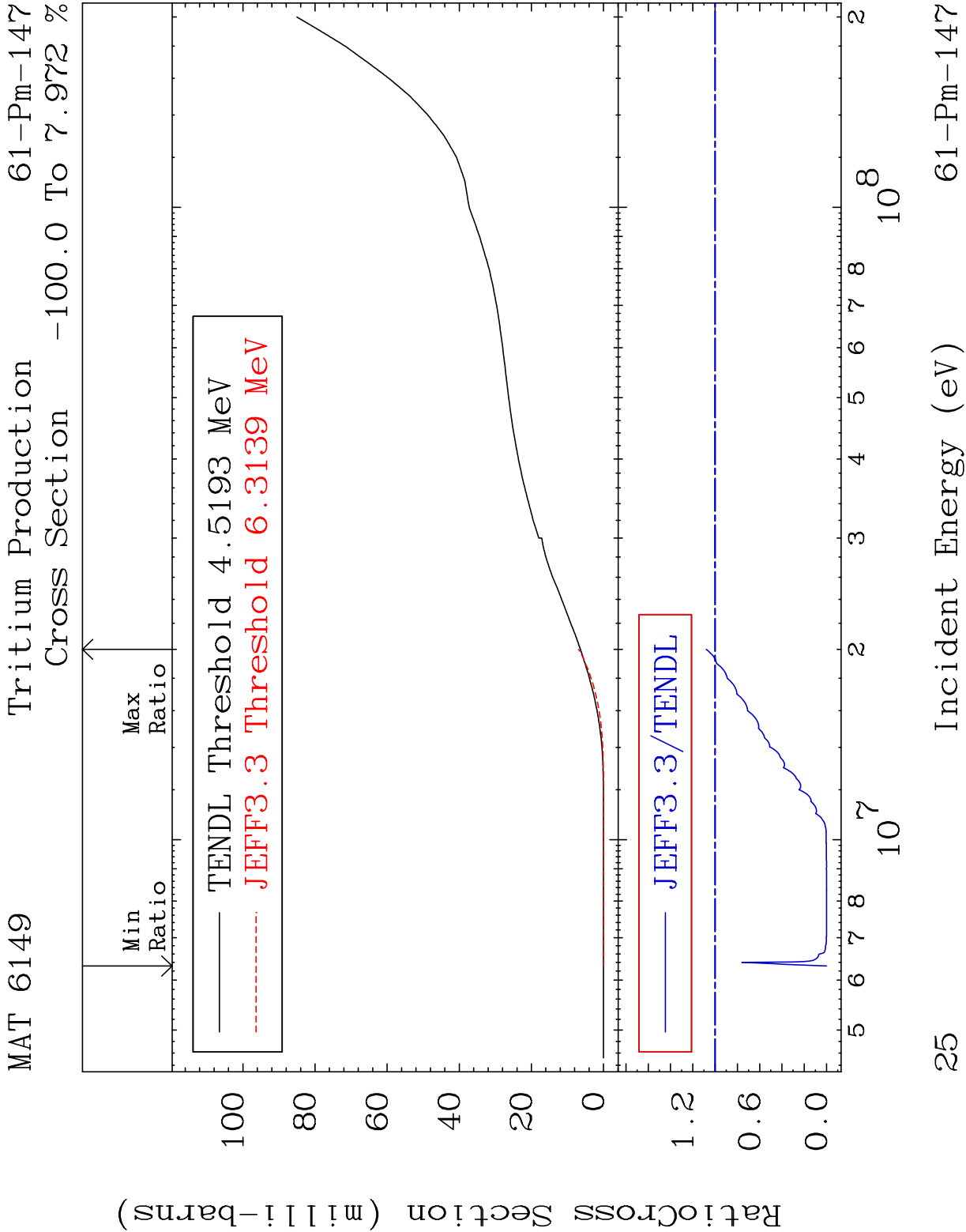


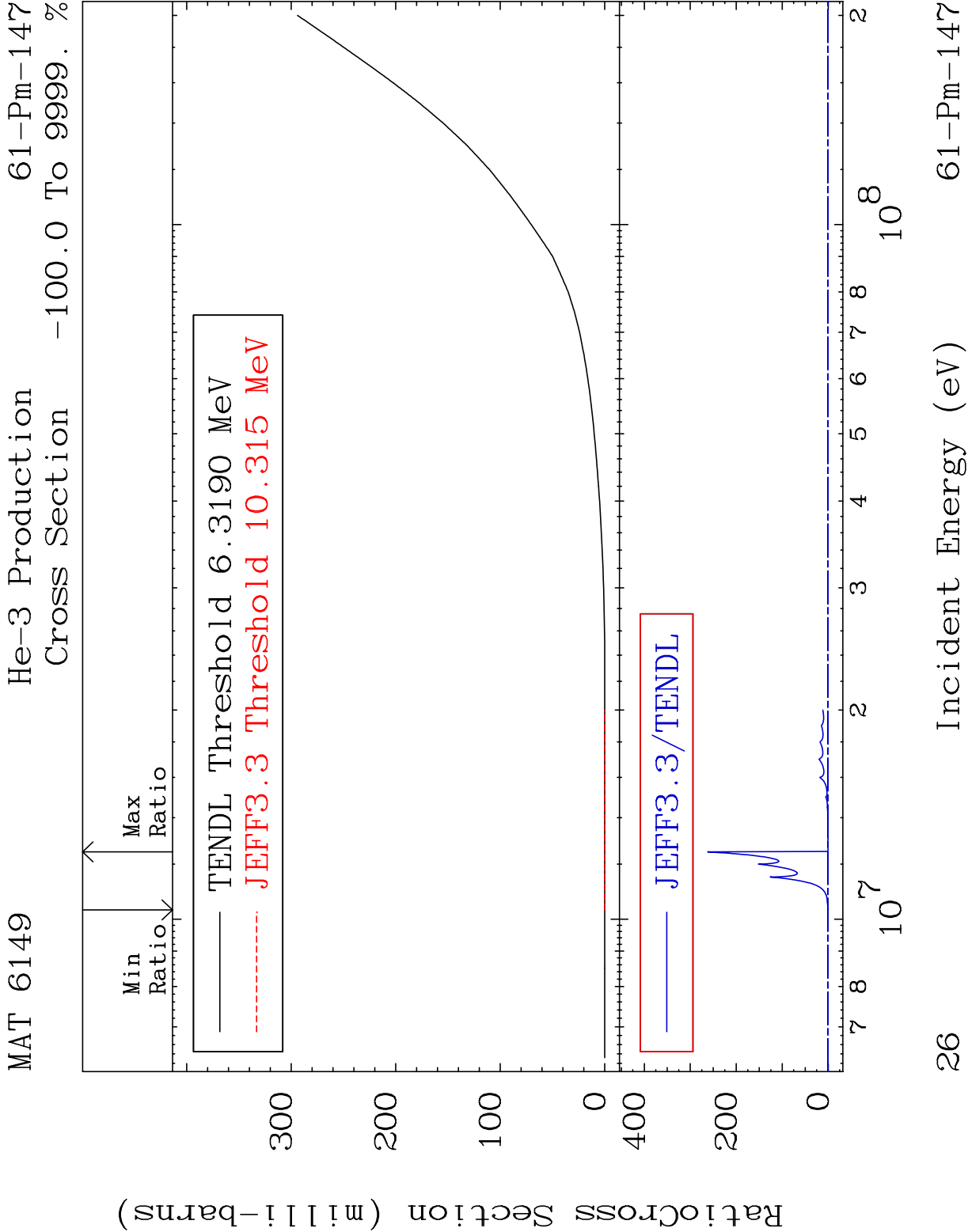
23

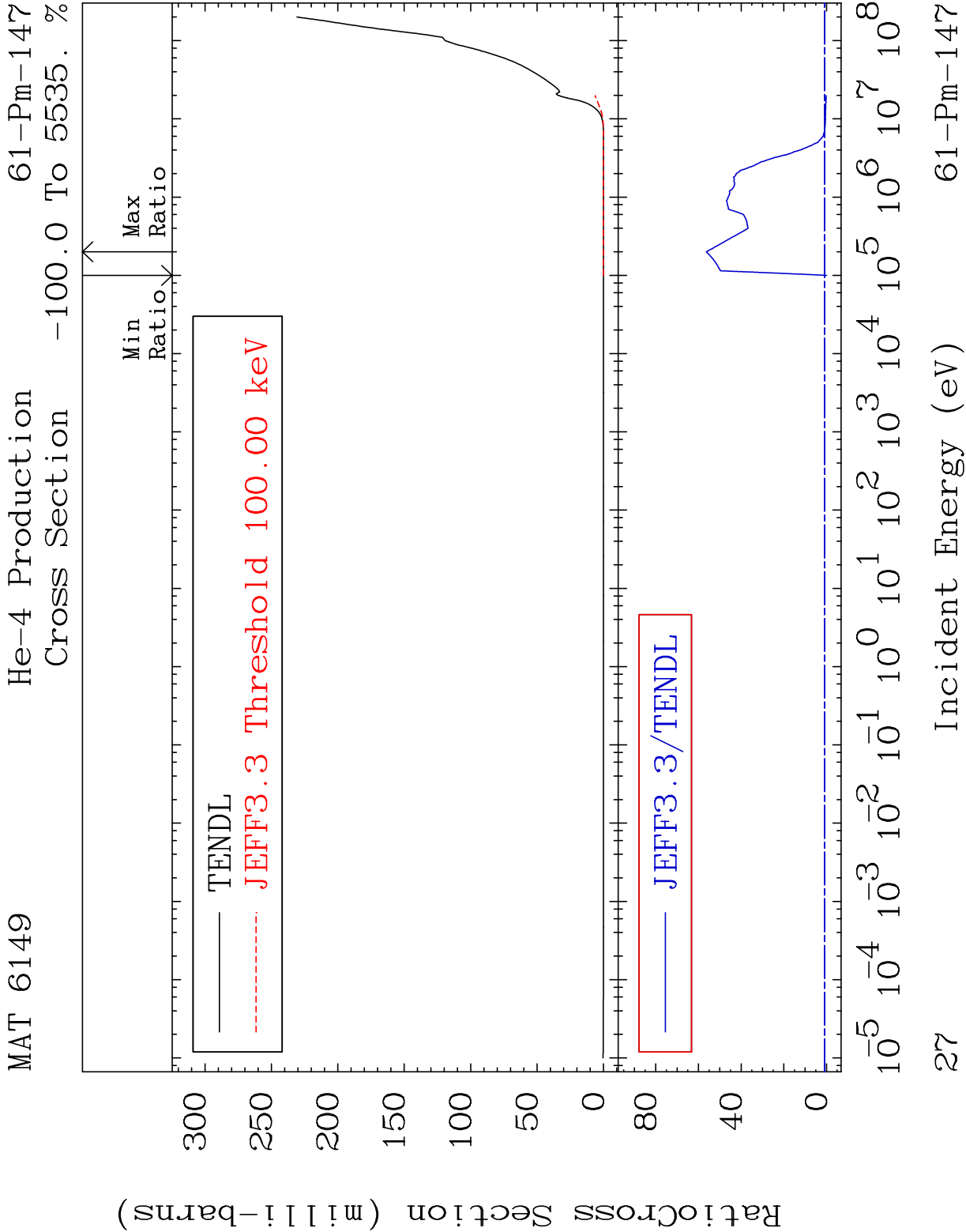
Incident Energy (eV)

61-Pm-147

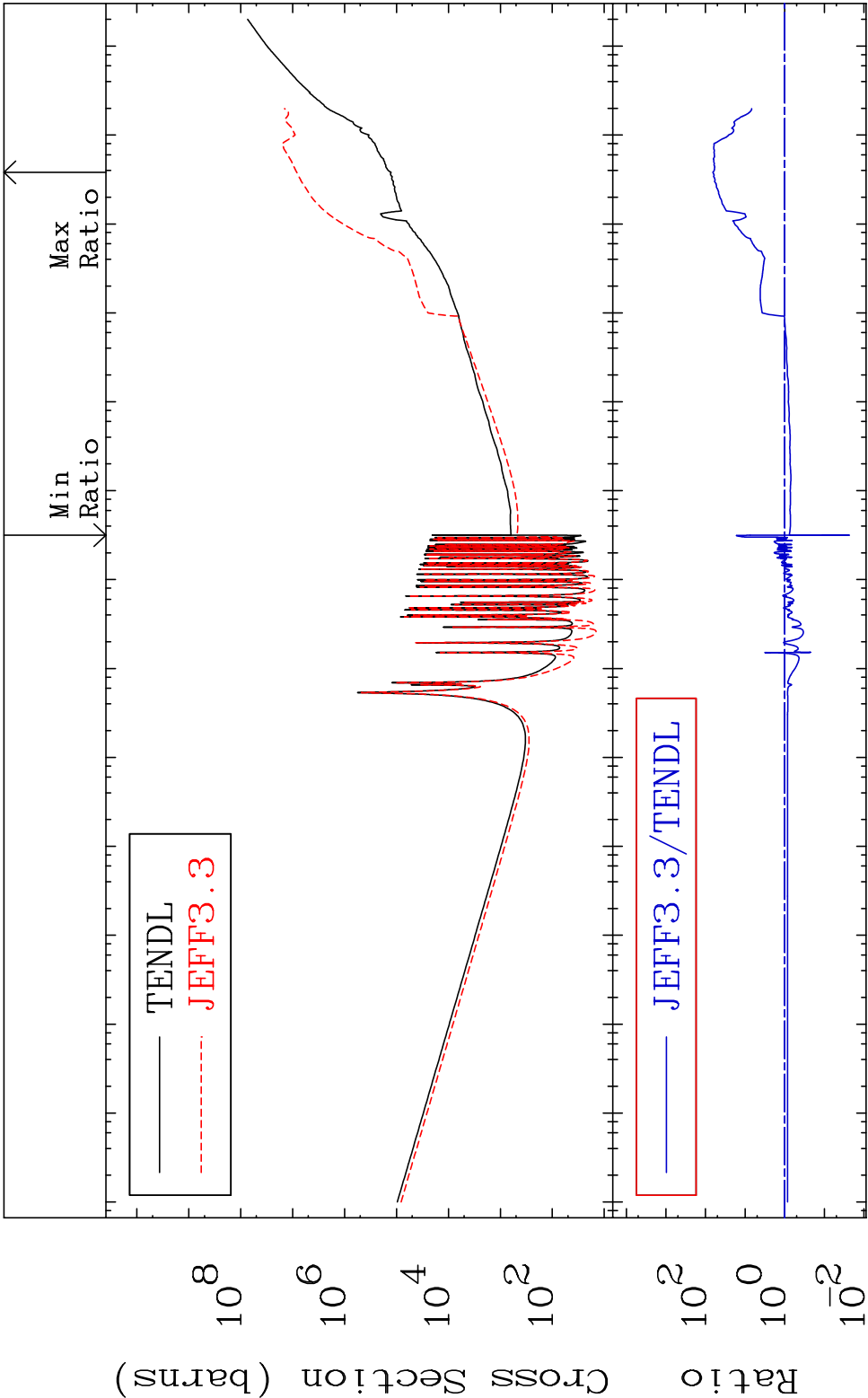




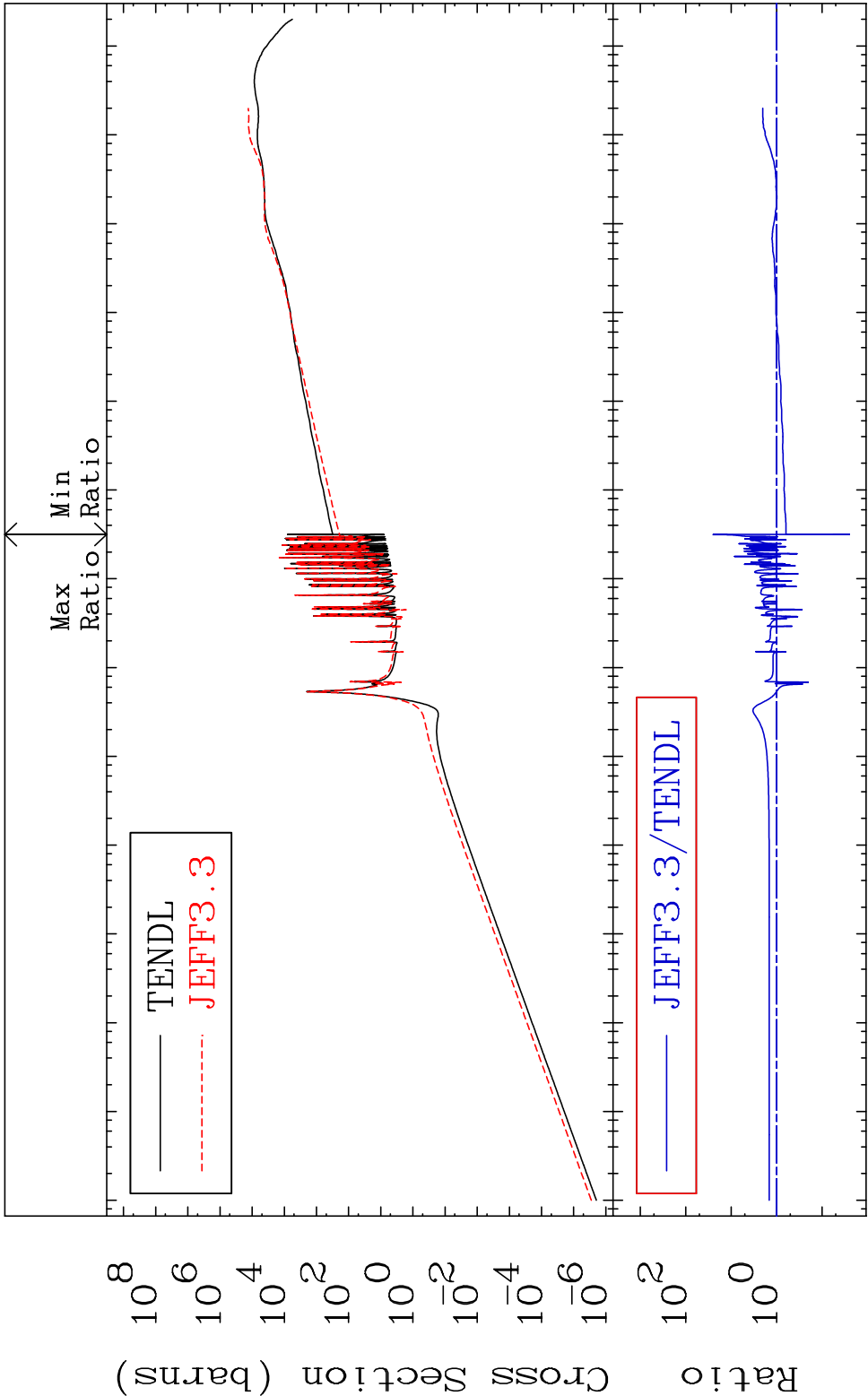




MAT 6149      Kerma total (eV-barns)      61-Pm-147  
Cross Section    -97.68 To 6452. %

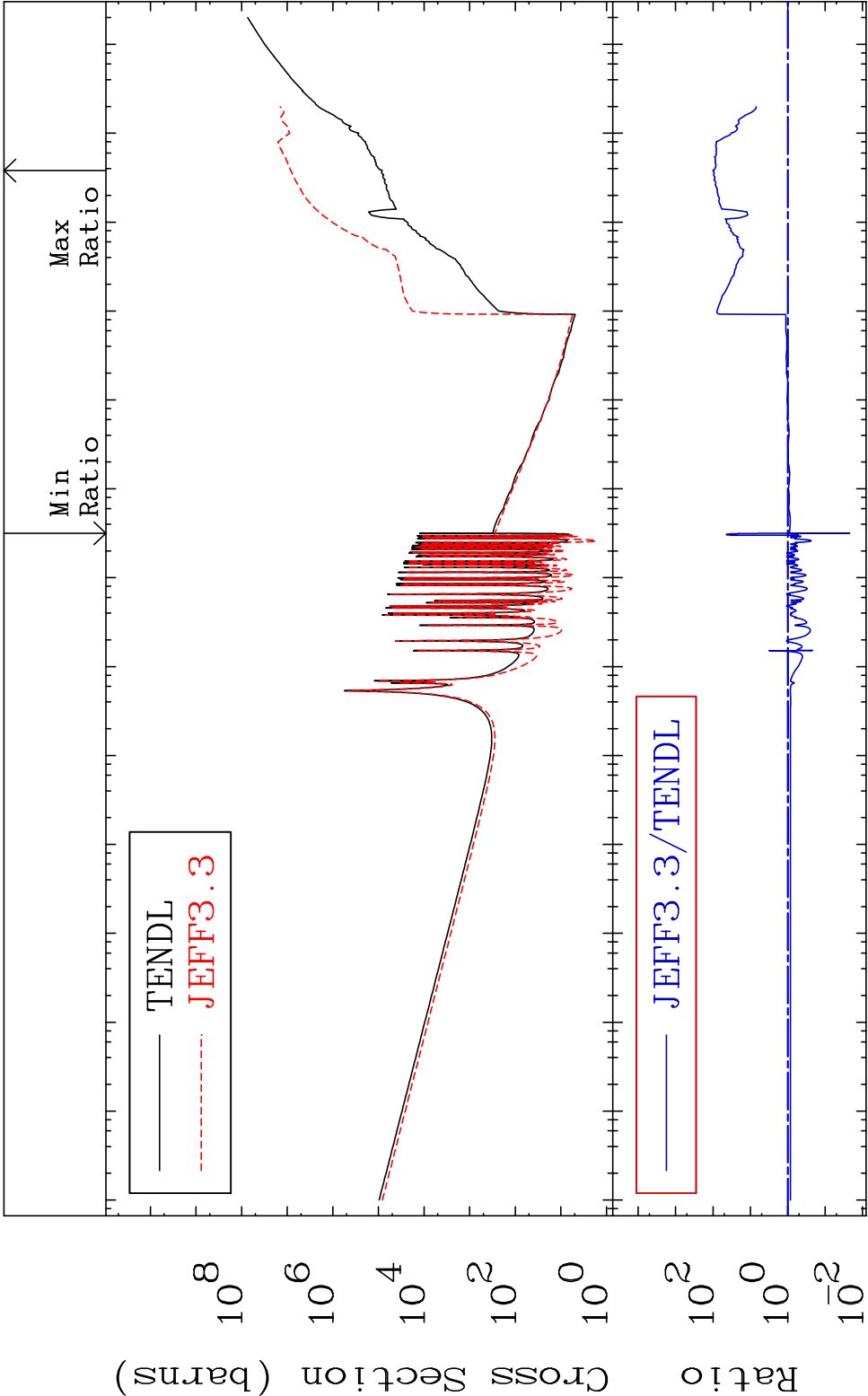


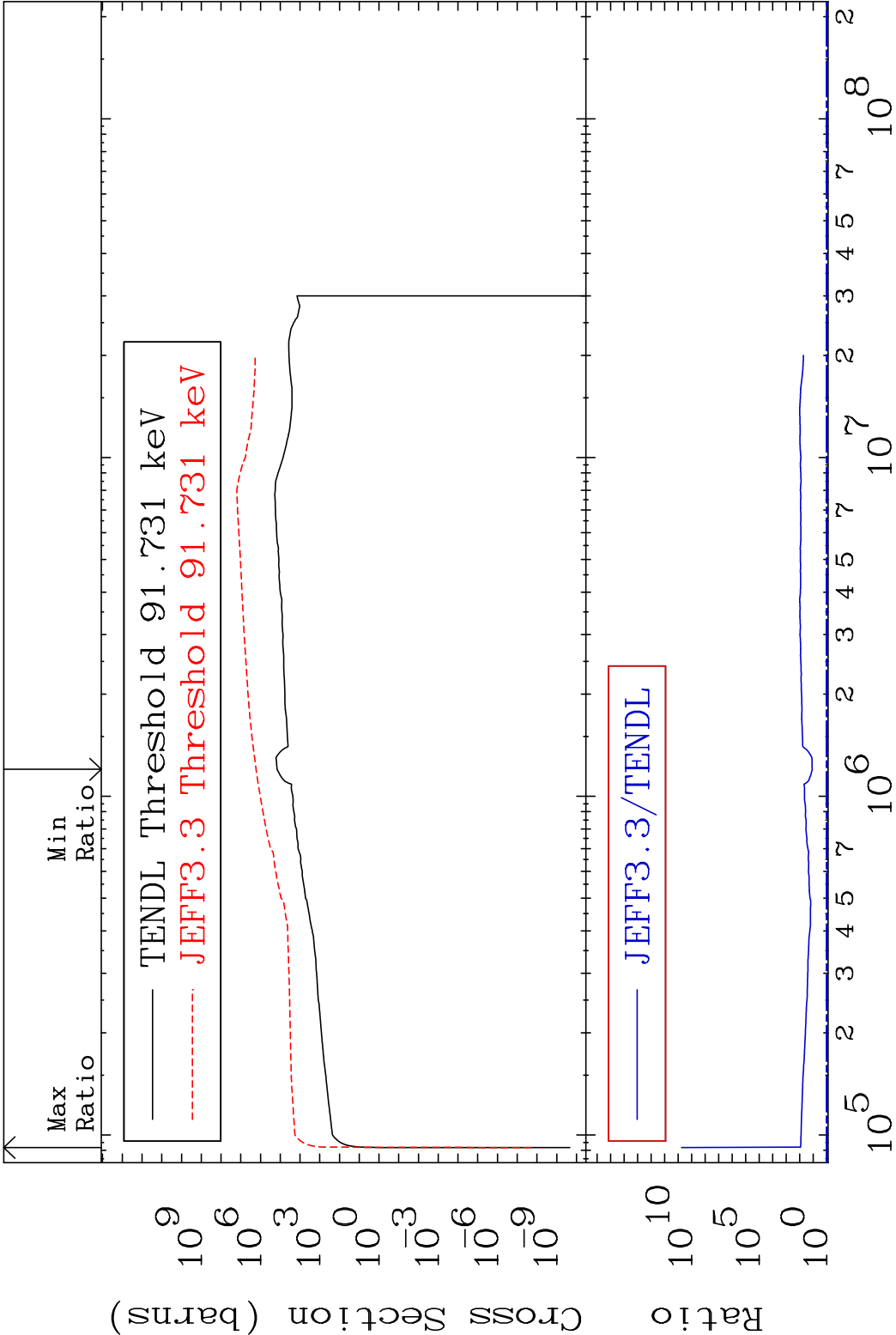
MAT 6149                      Kerma elastic                      61-Pm-147  
Cross Section                      -97.53 To 2414. %



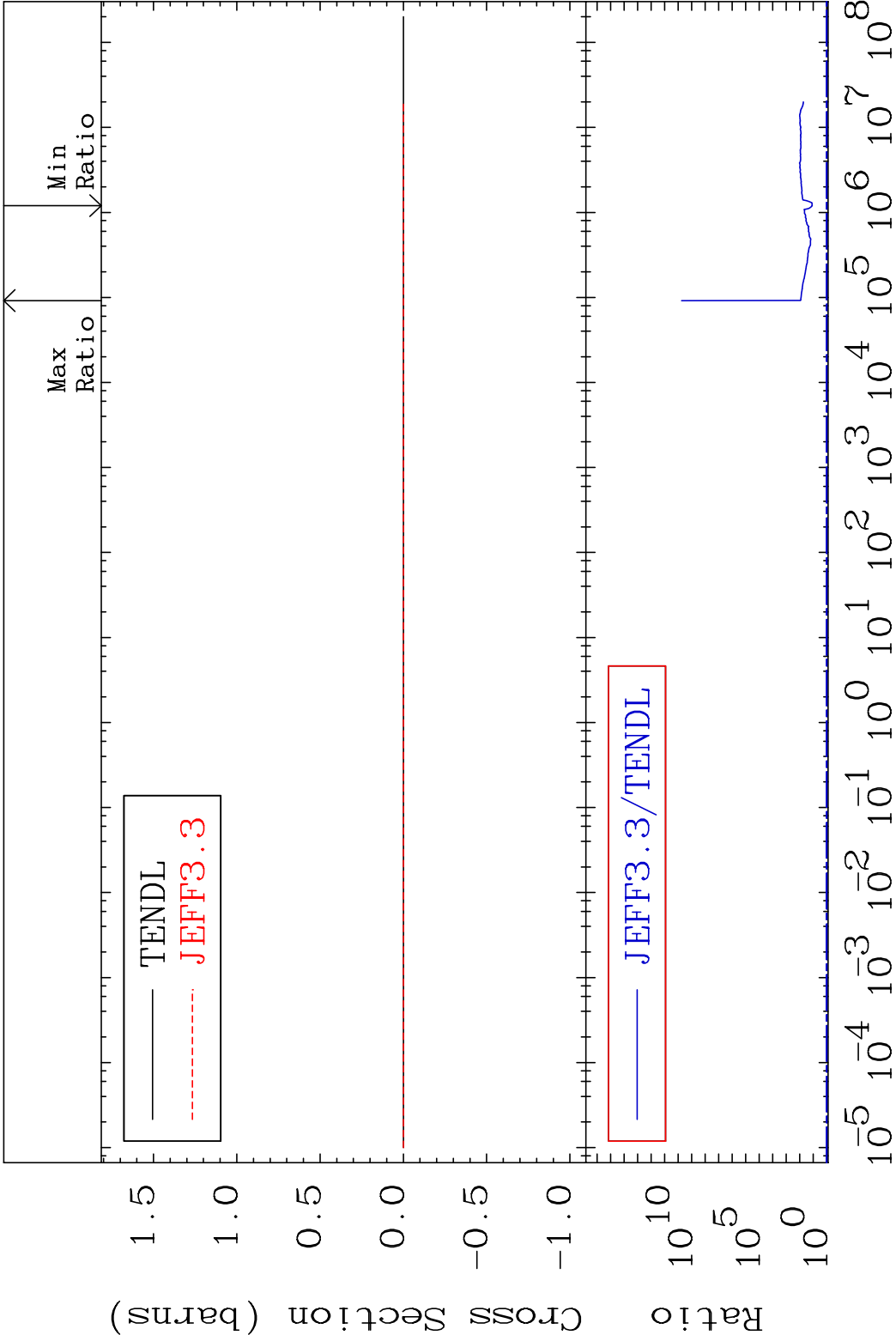
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

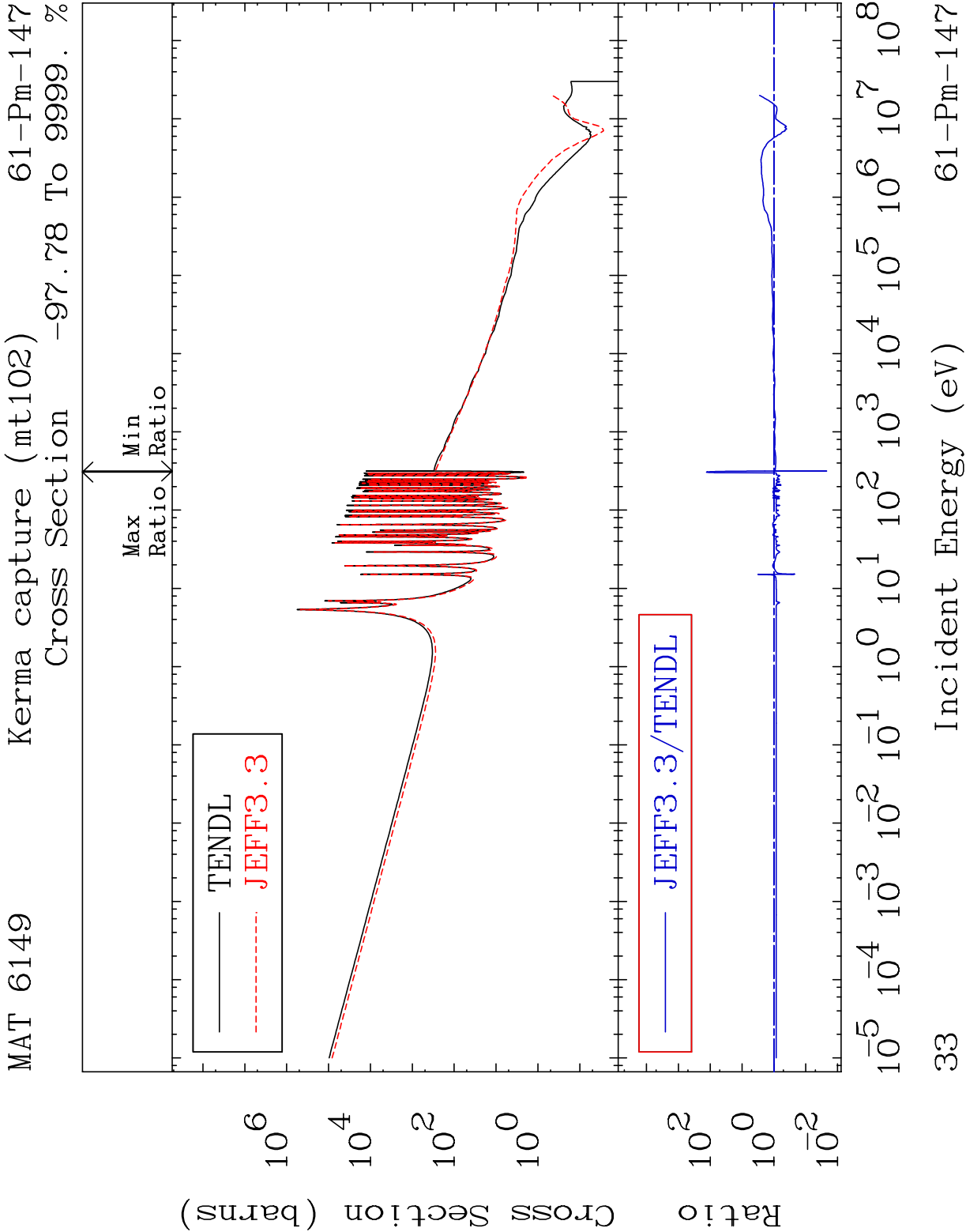
29                      Incident Energy (eV)                      61-Pm-147

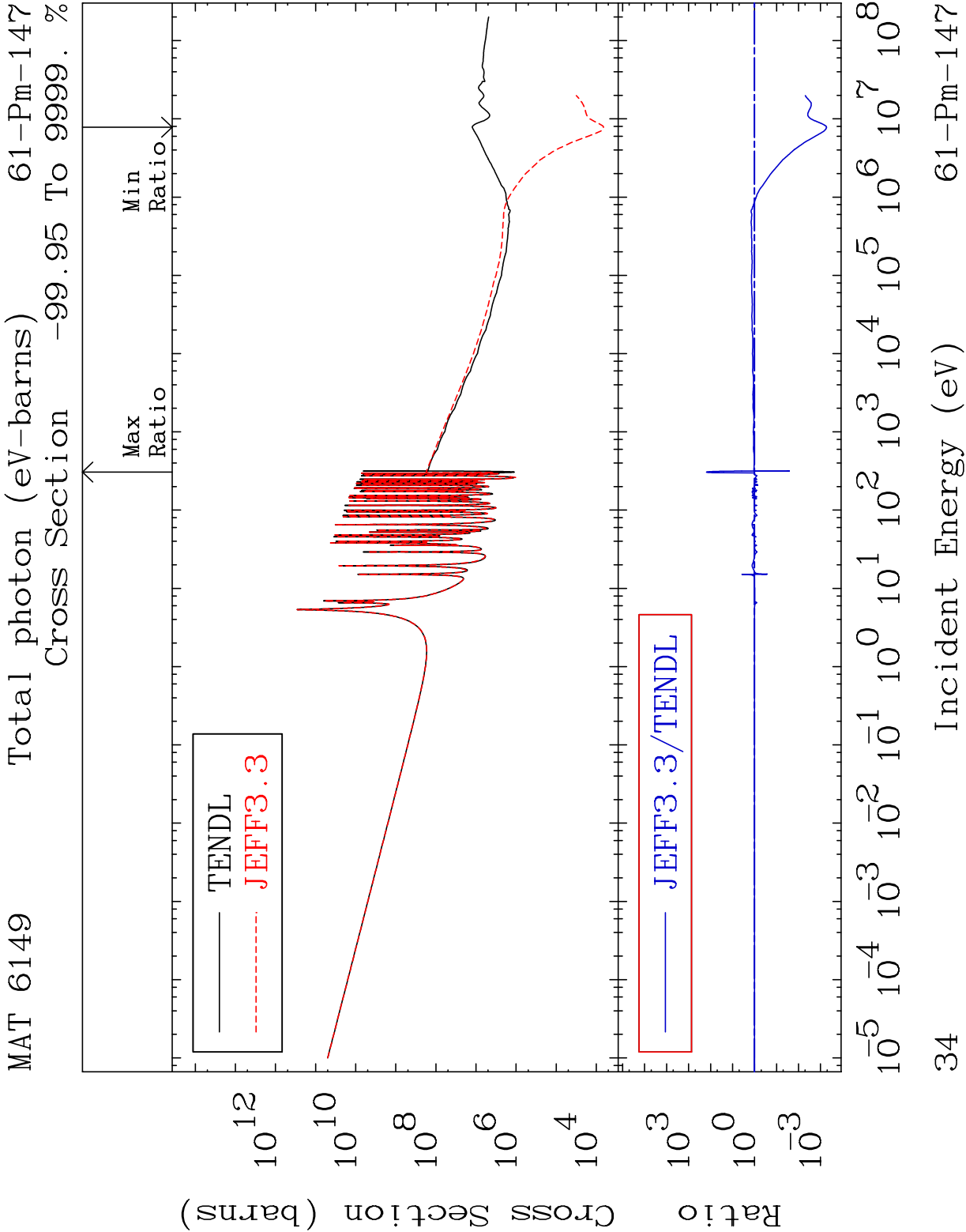




MAT 6149Kerma fission (mt18 or mt19-20-21-38)61-Pm-147  
Cross Section 1067. To 9999. %

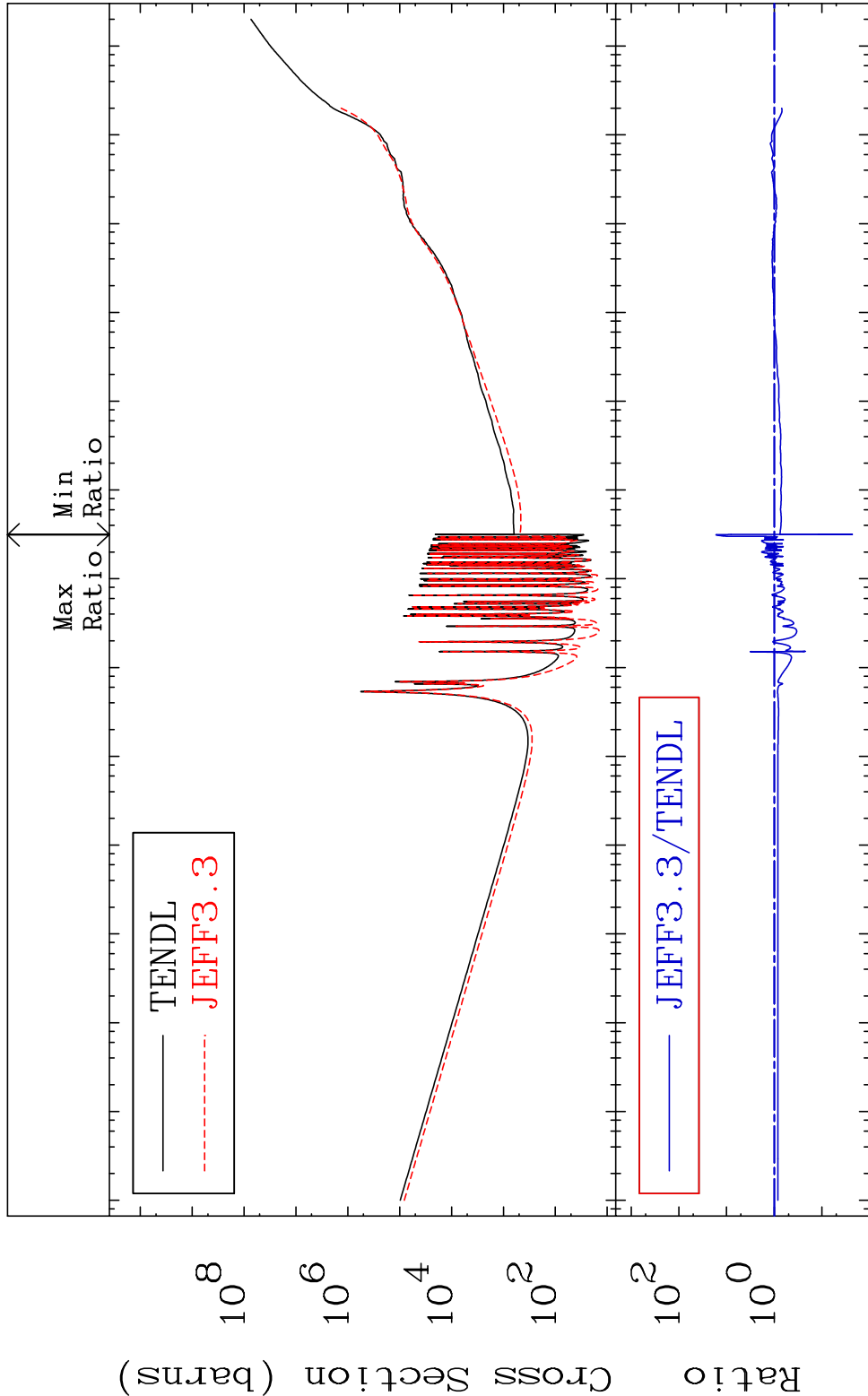






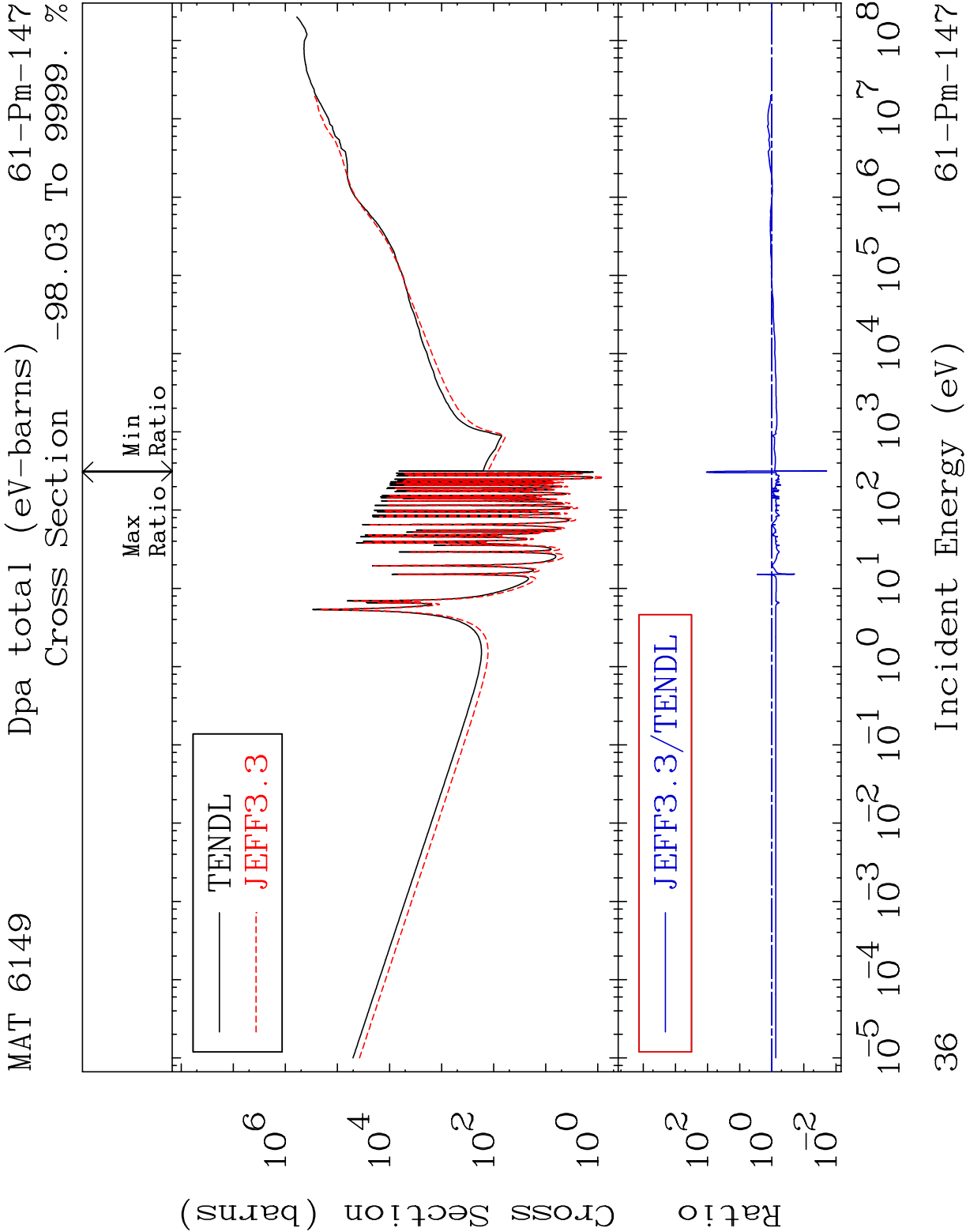
MAT 6149 Total kinematic kerma (high limit) 61-Pm-147

Cross Section -97.68 To 1591. %

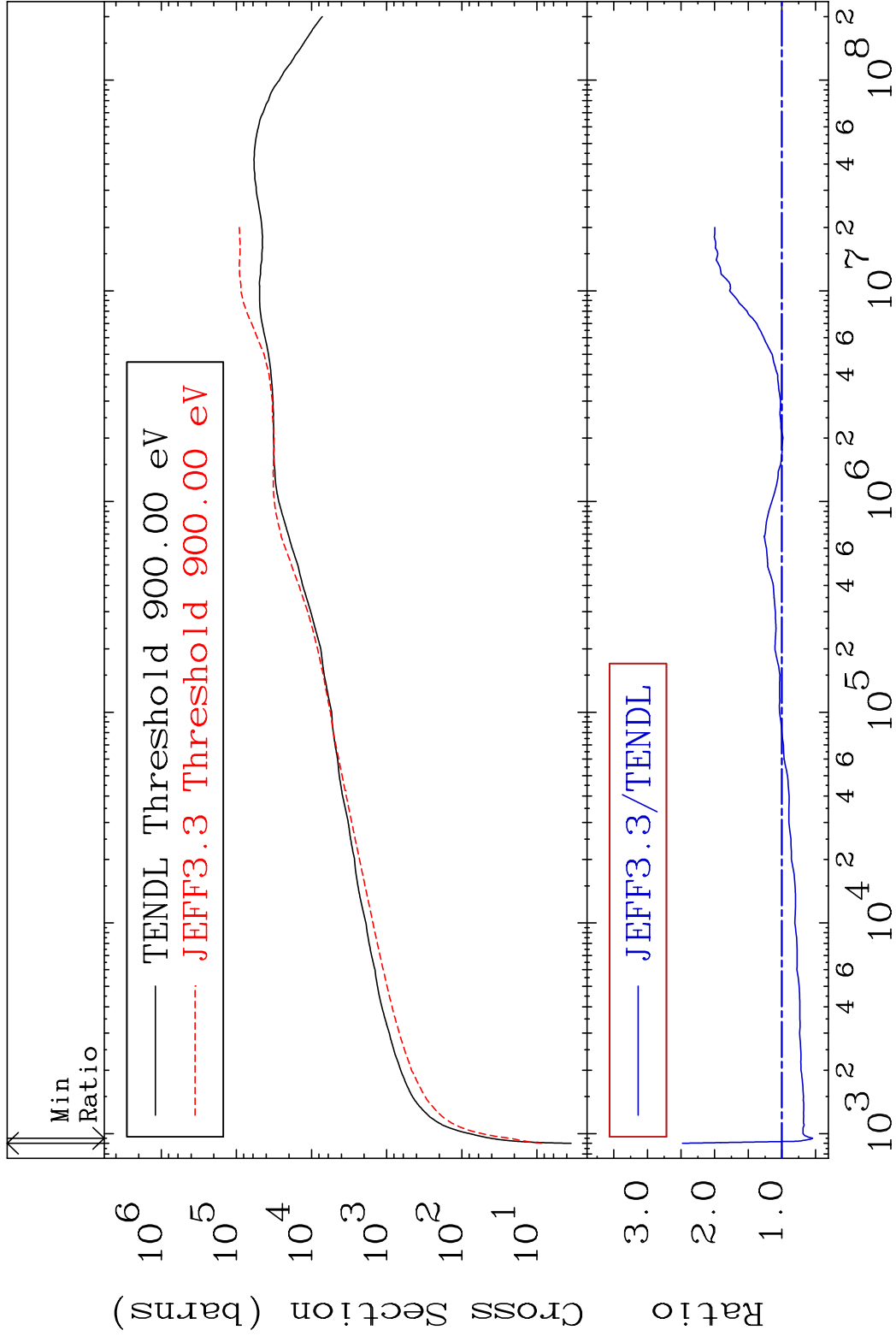


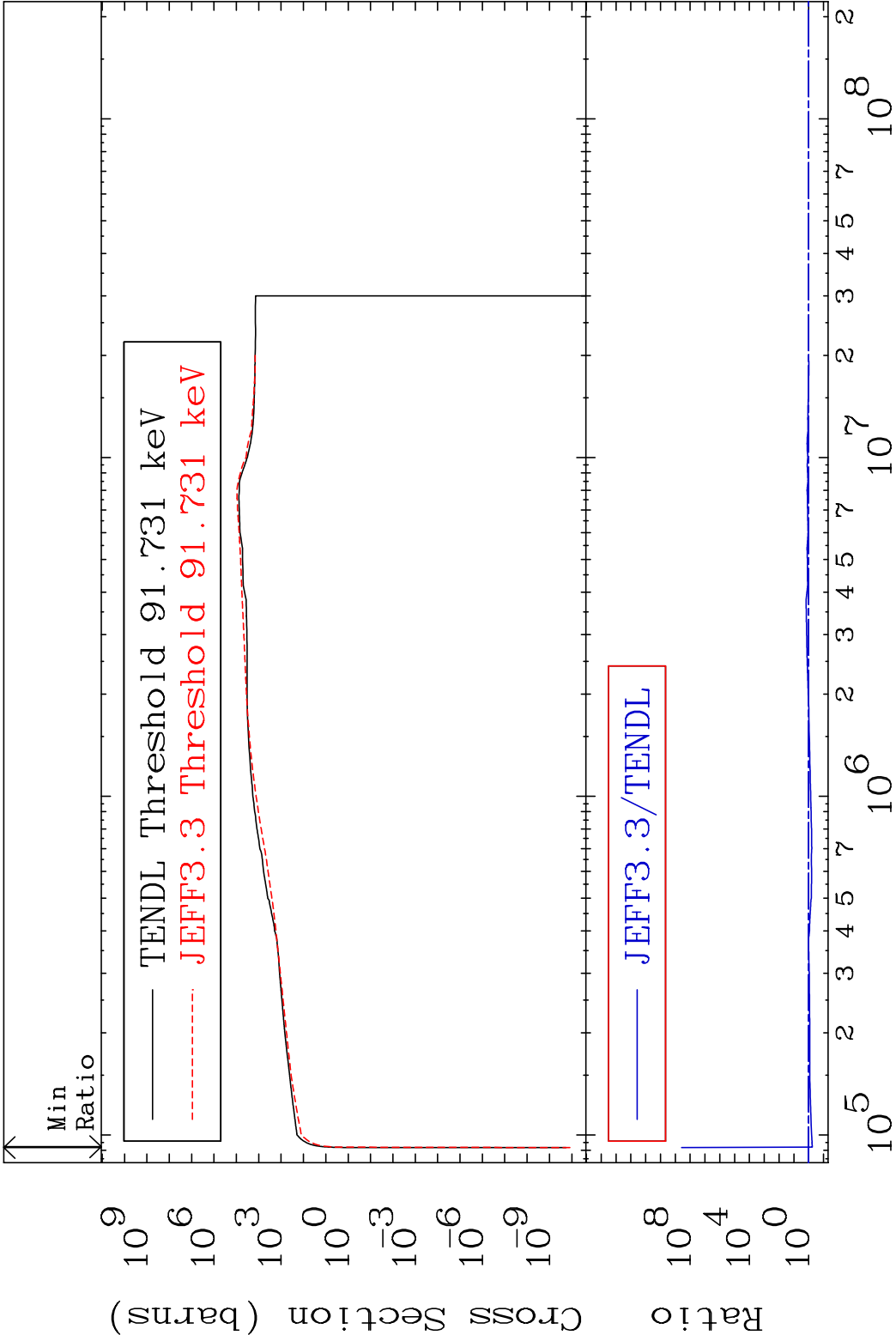
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

35 Incident Energy (eV) 61-Pm-147

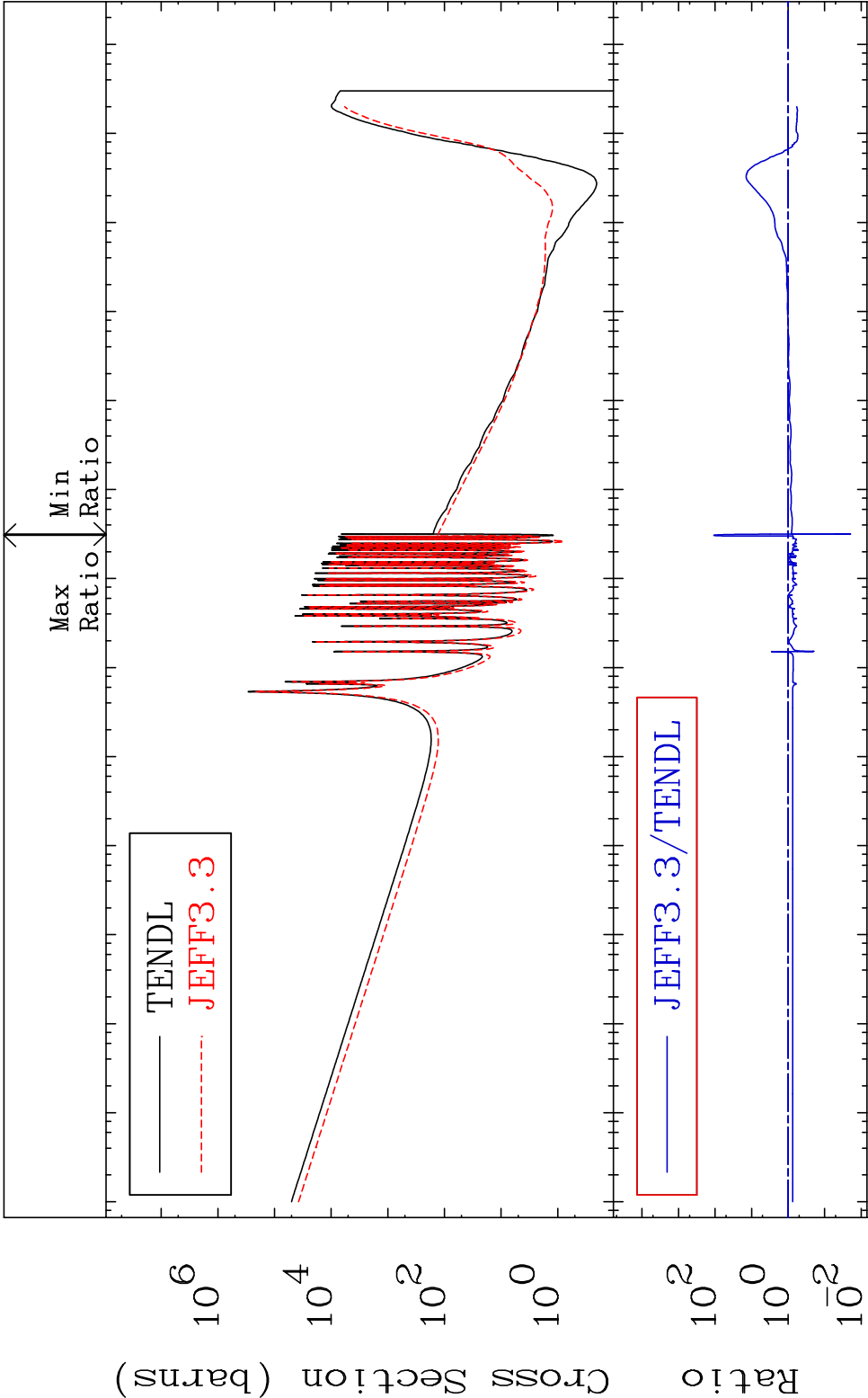


|          |                   |                   |
|----------|-------------------|-------------------|
| MAT 6149 | Dpa elastic (mt2) | 61-Pm-147         |
|          | Cross Section     | -45.65 To 148.1 % |





MAT 6149    Dpa disappearance (mt102 -120)    61-Pm-147  
Cross Section    -98.03 To 9999. %



39    Incident Energy (eV)    61-Pm-147