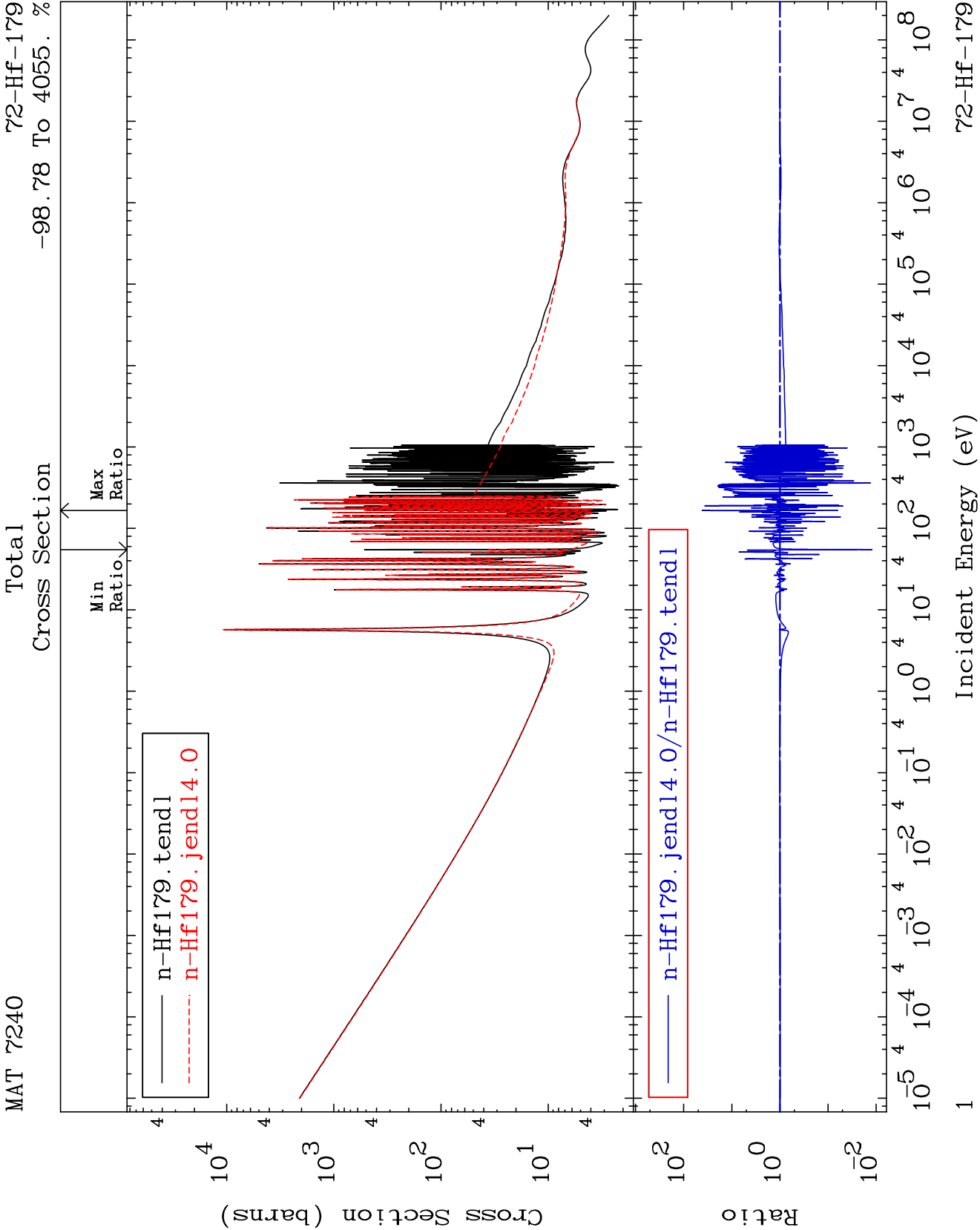




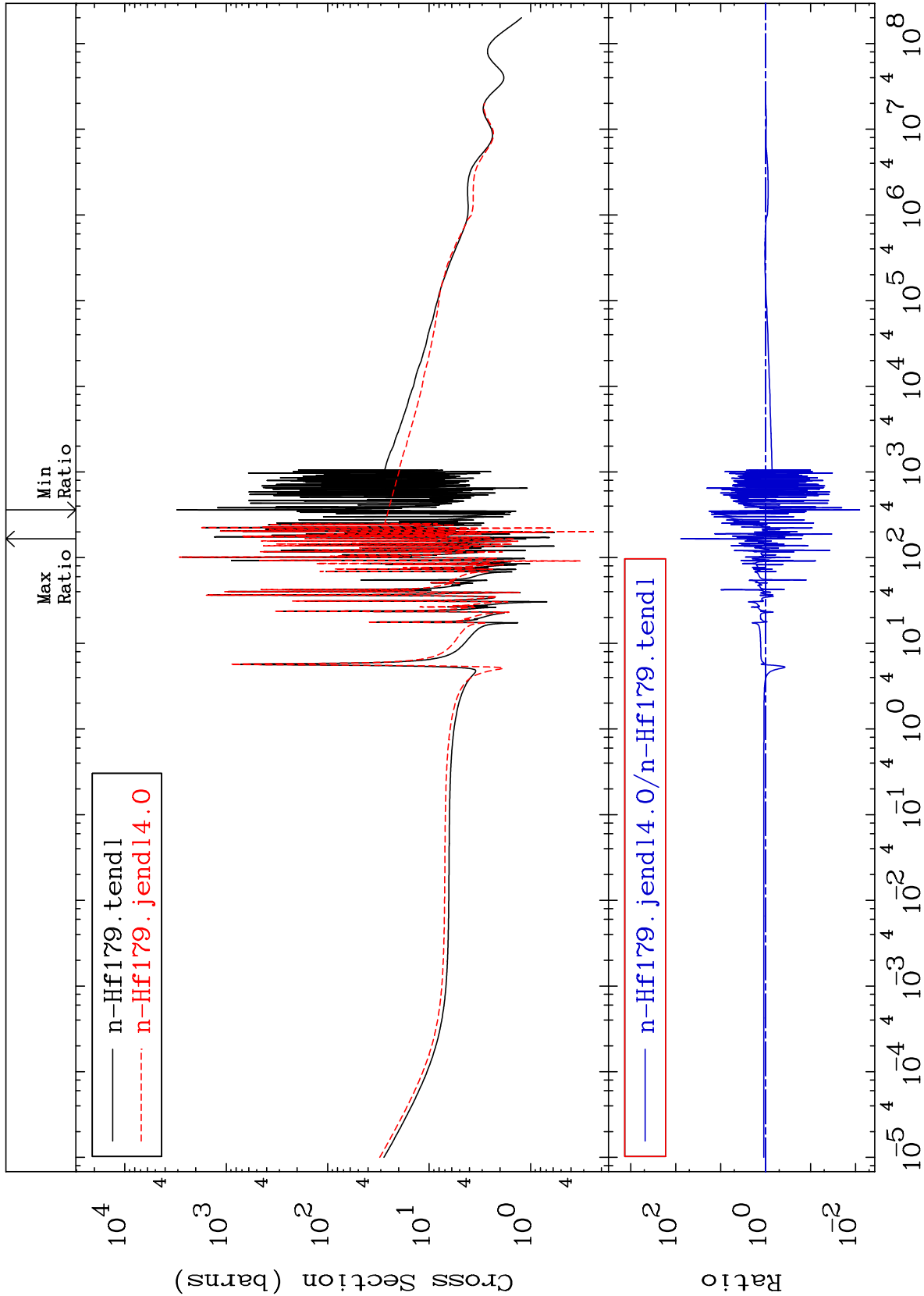
MAT 7240

Elastic

Cross Section

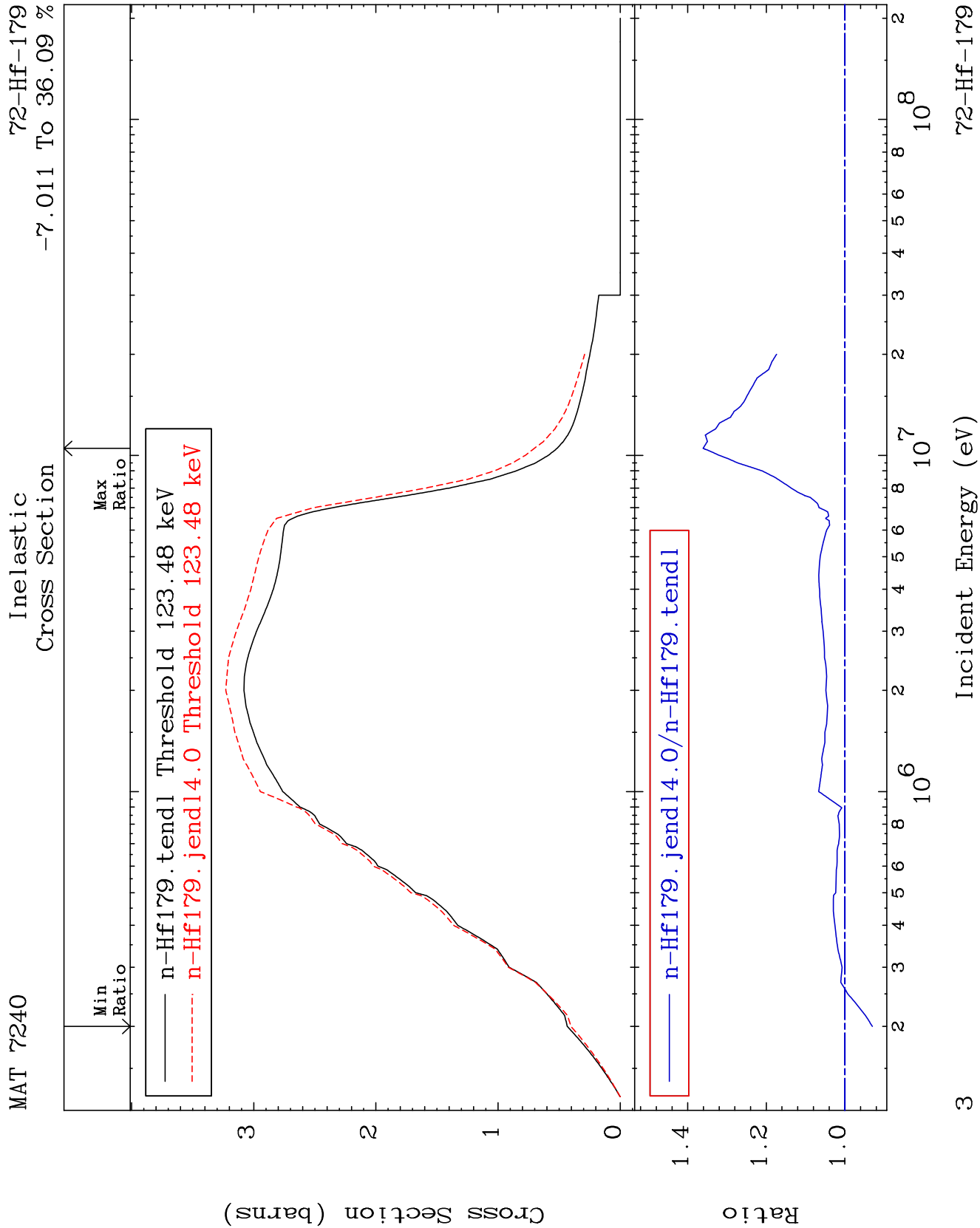
<sup>72</sup>Hf-<sup>179</sup>

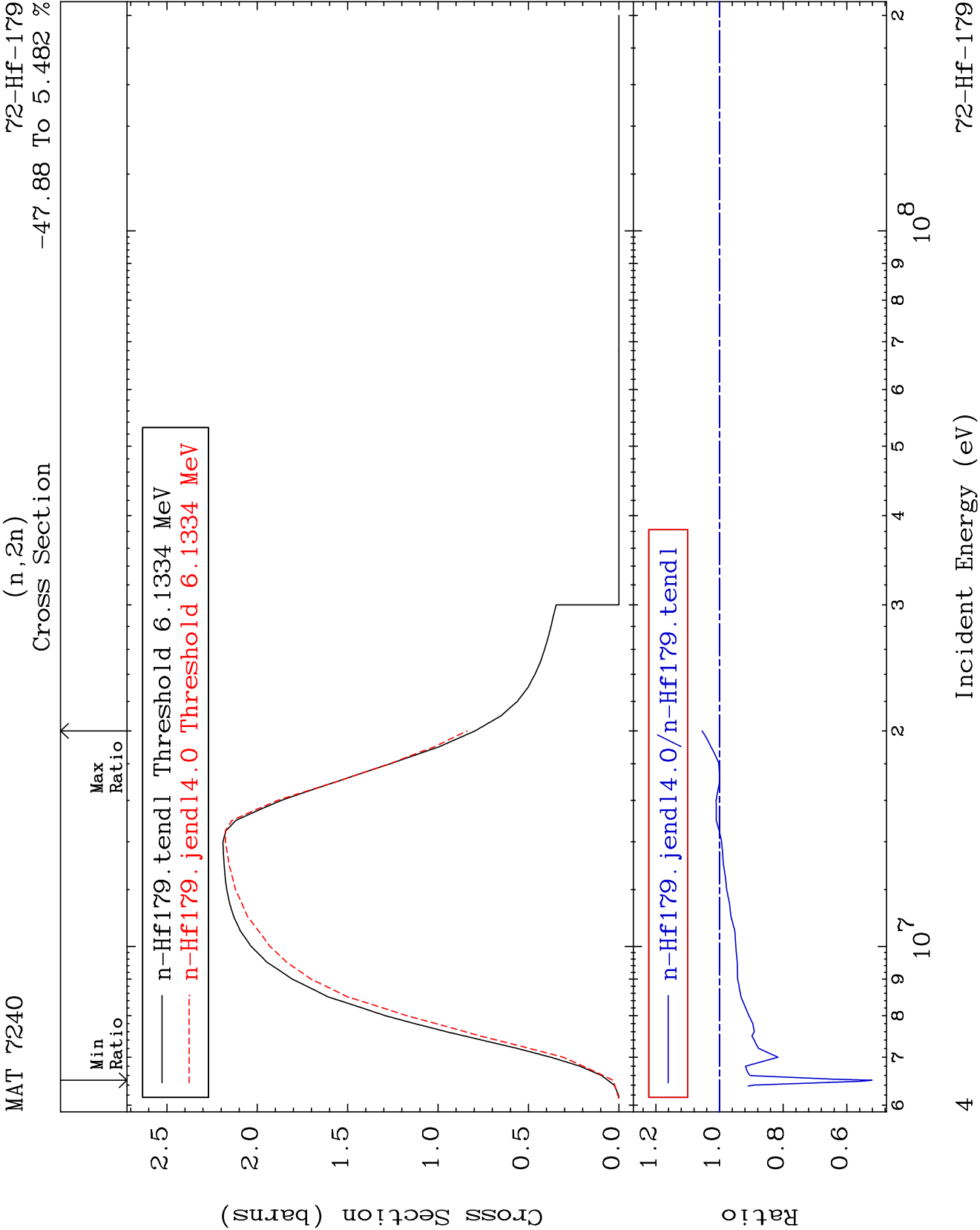
-99.18 To 7608. %

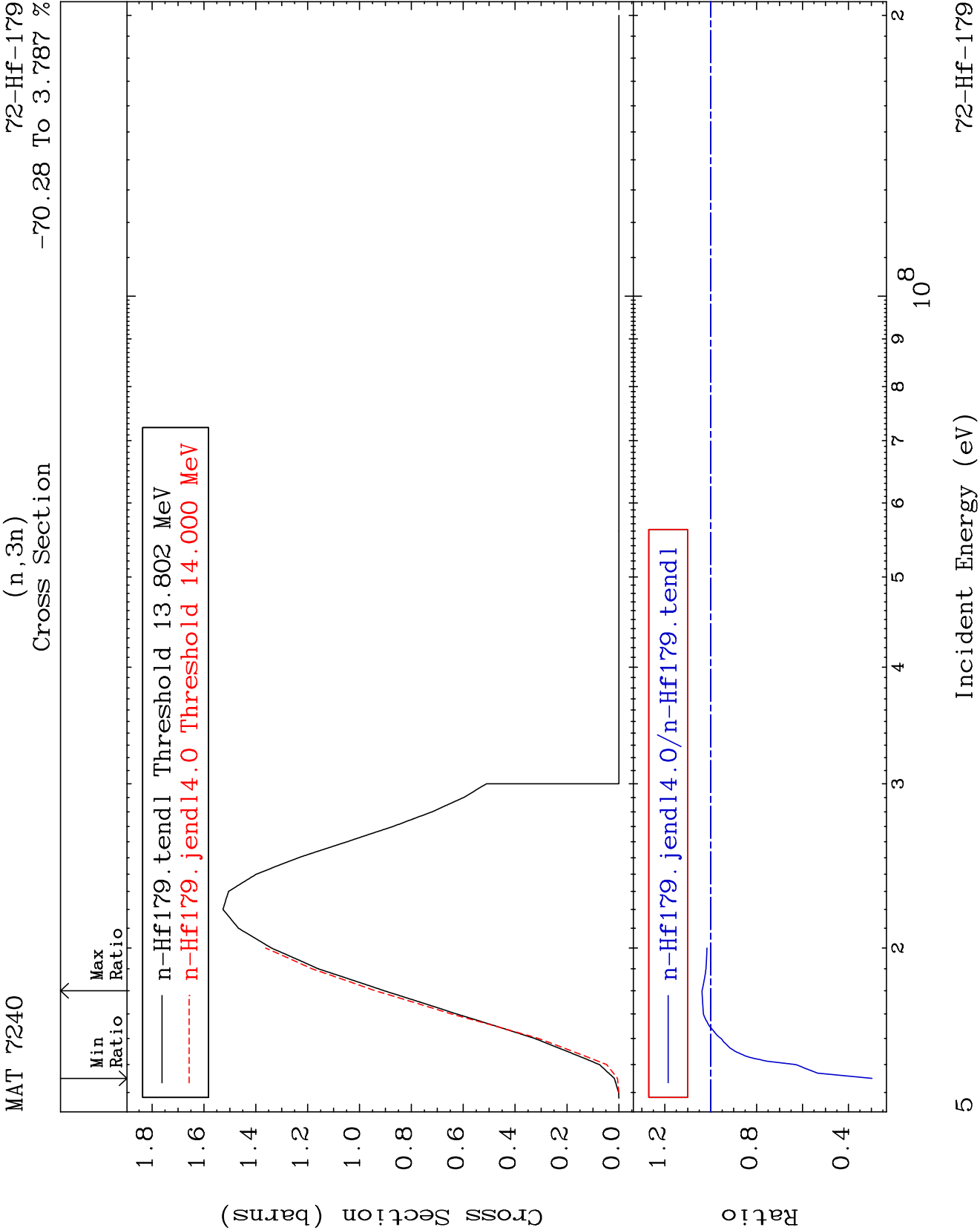


Incident Energy (eV)

<sup>72</sup>Hf-<sup>179</sup>



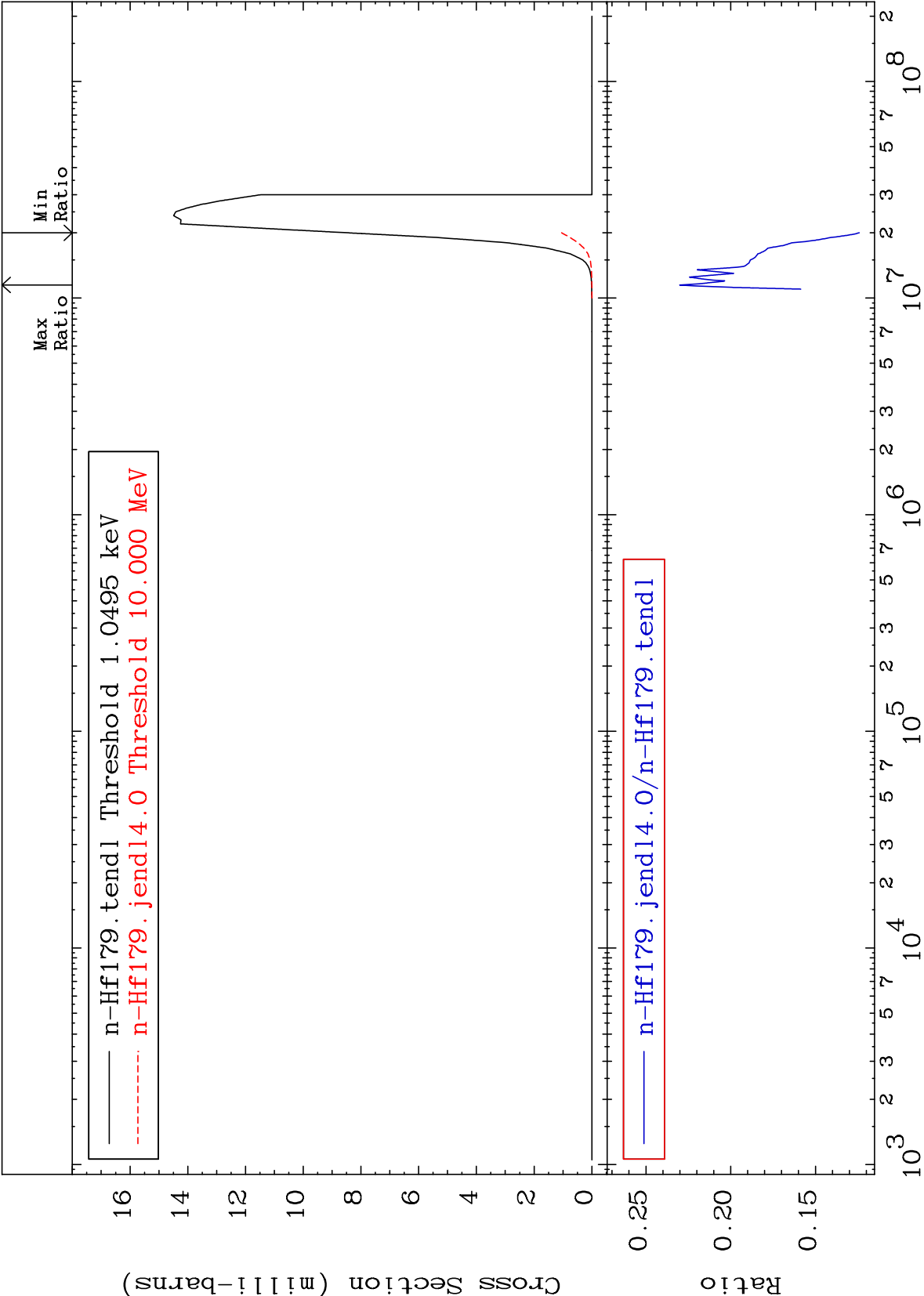




MAT 7240

$(n, n') \alpha$   
Cross Section

$^{72}\text{Hf-179}$   
-87.58 To -76.99%



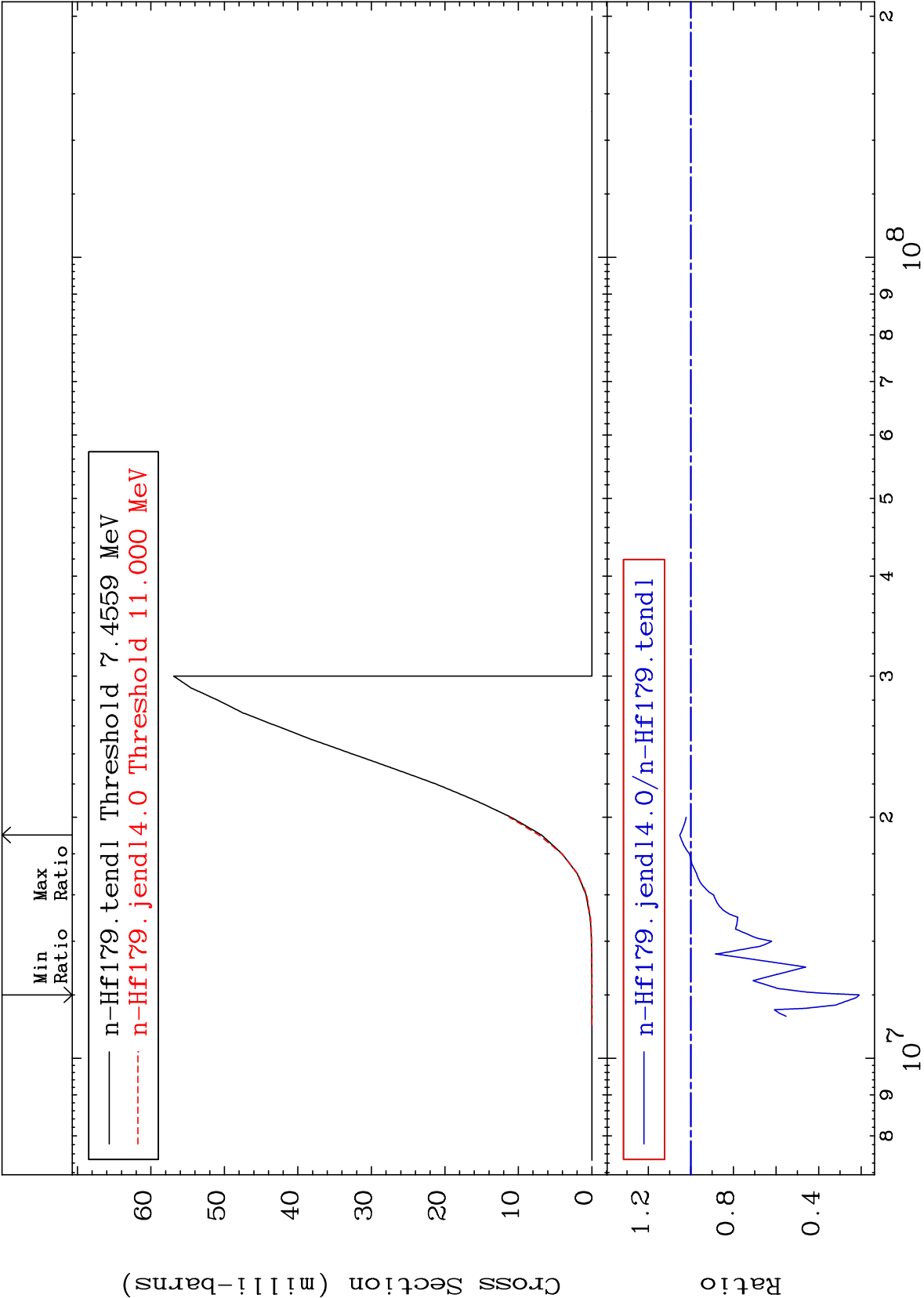
Incident Energy (eV)

$^{72}\text{Hf-179}$

MAT 7240

(n,n') p  
Cross Section

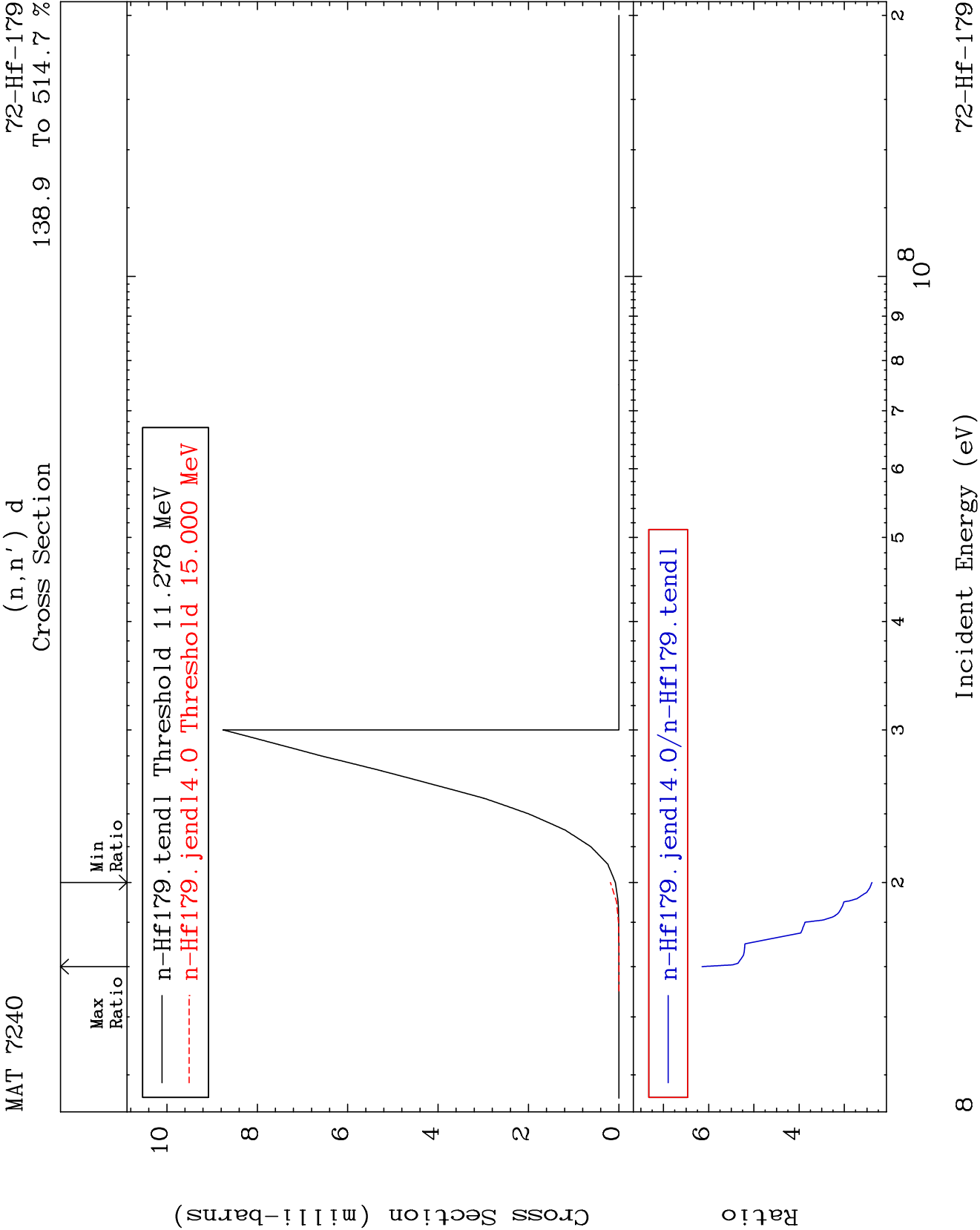
<sup>72</sup>Hf-<sup>179</sup>  
-79.07 To 5.222 %

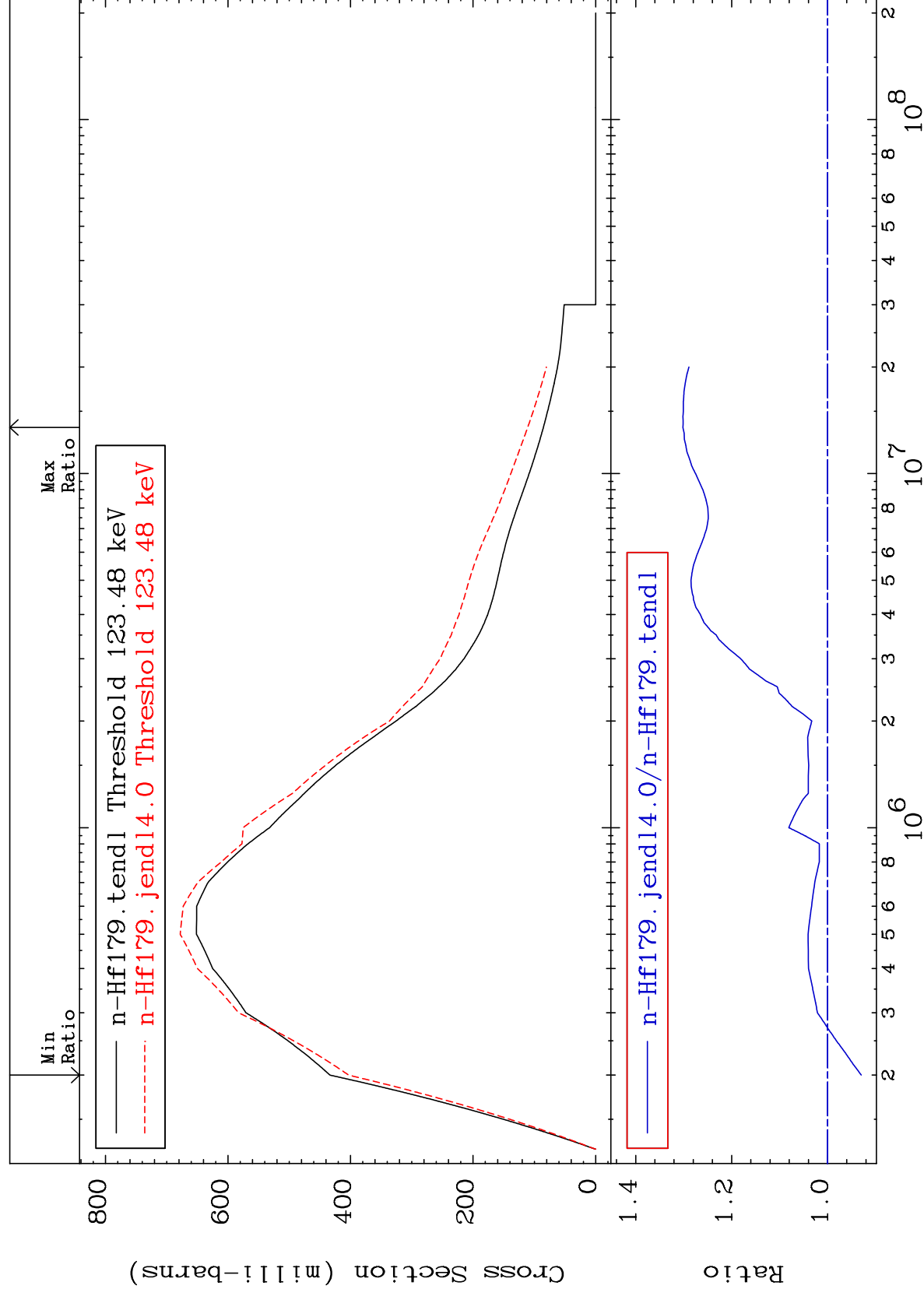


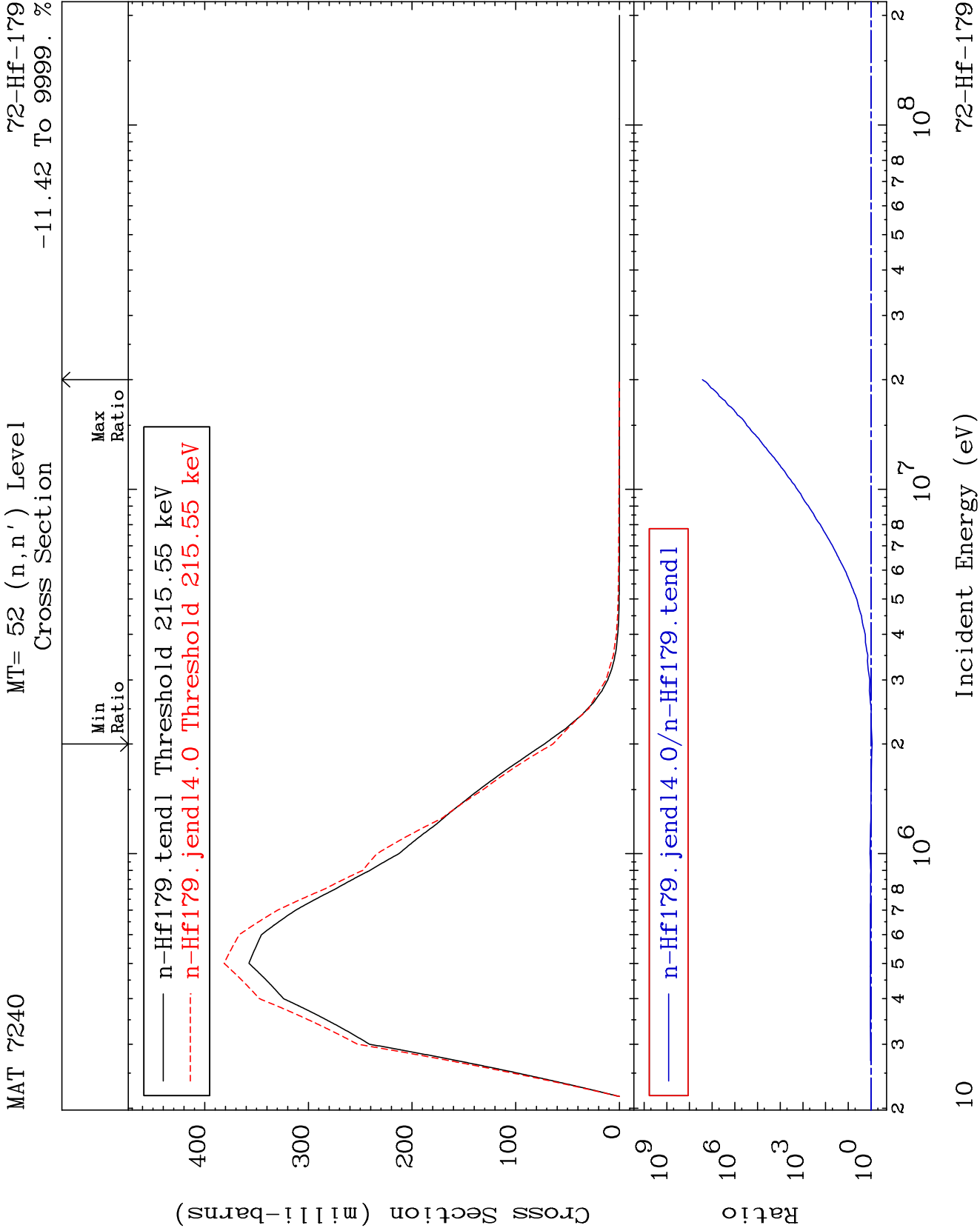
7

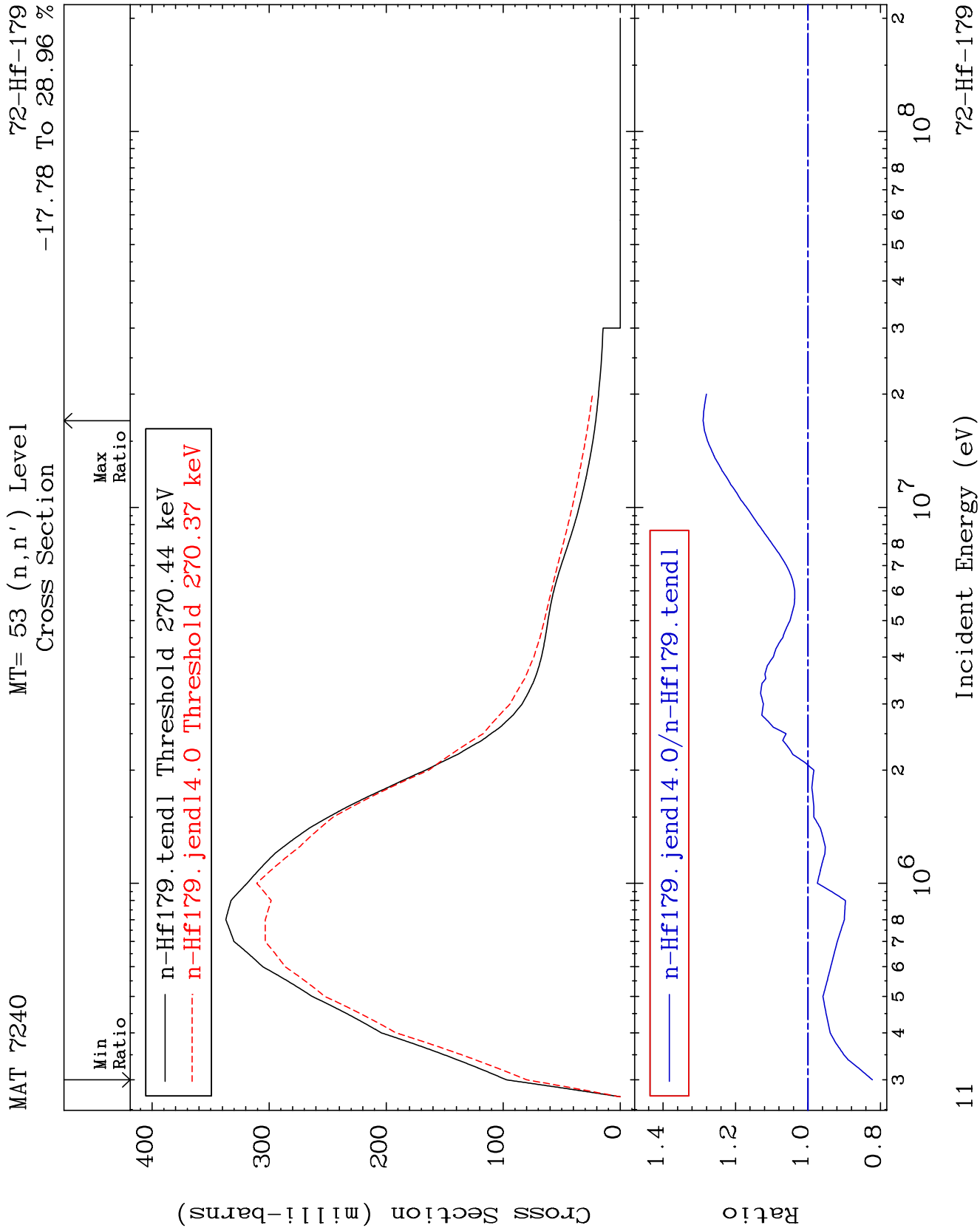
Incident Energy (eV)

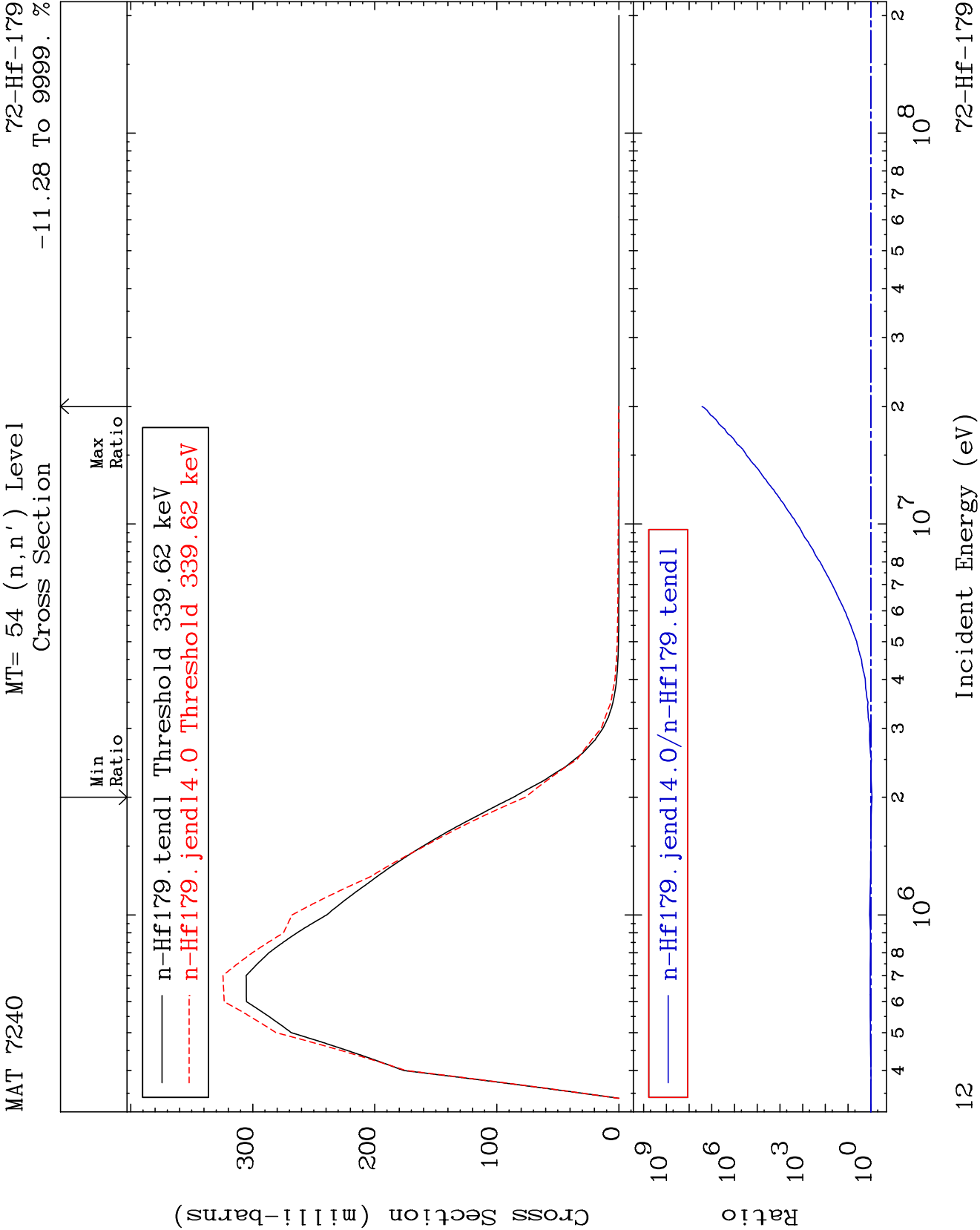
<sup>72</sup>Hf-<sup>179</sup>







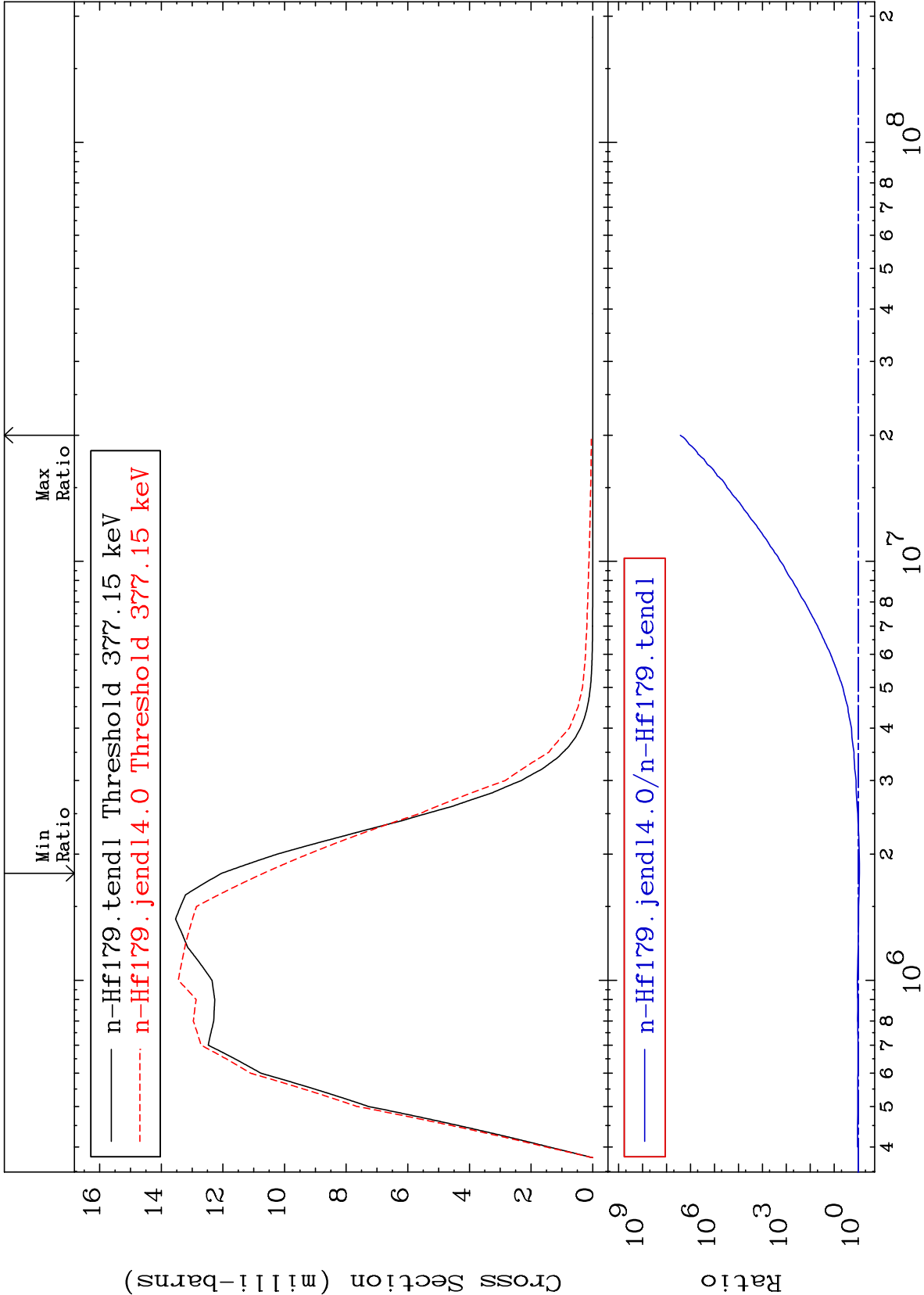




MAT 7240

MT= 55 (n,n') Level  
Cross Section

<sup>72</sup>Hf-179  
-11.26 To 9999. %

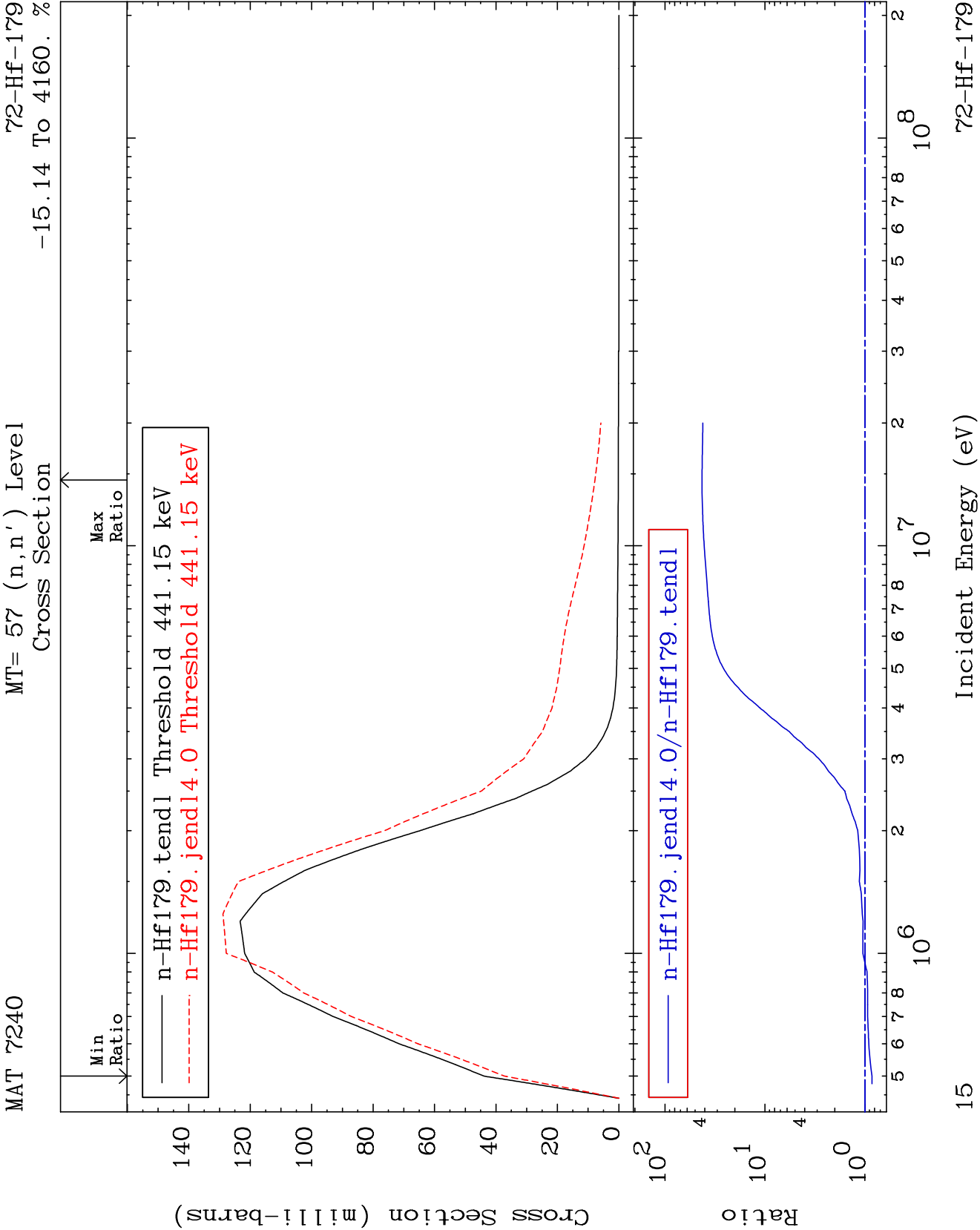


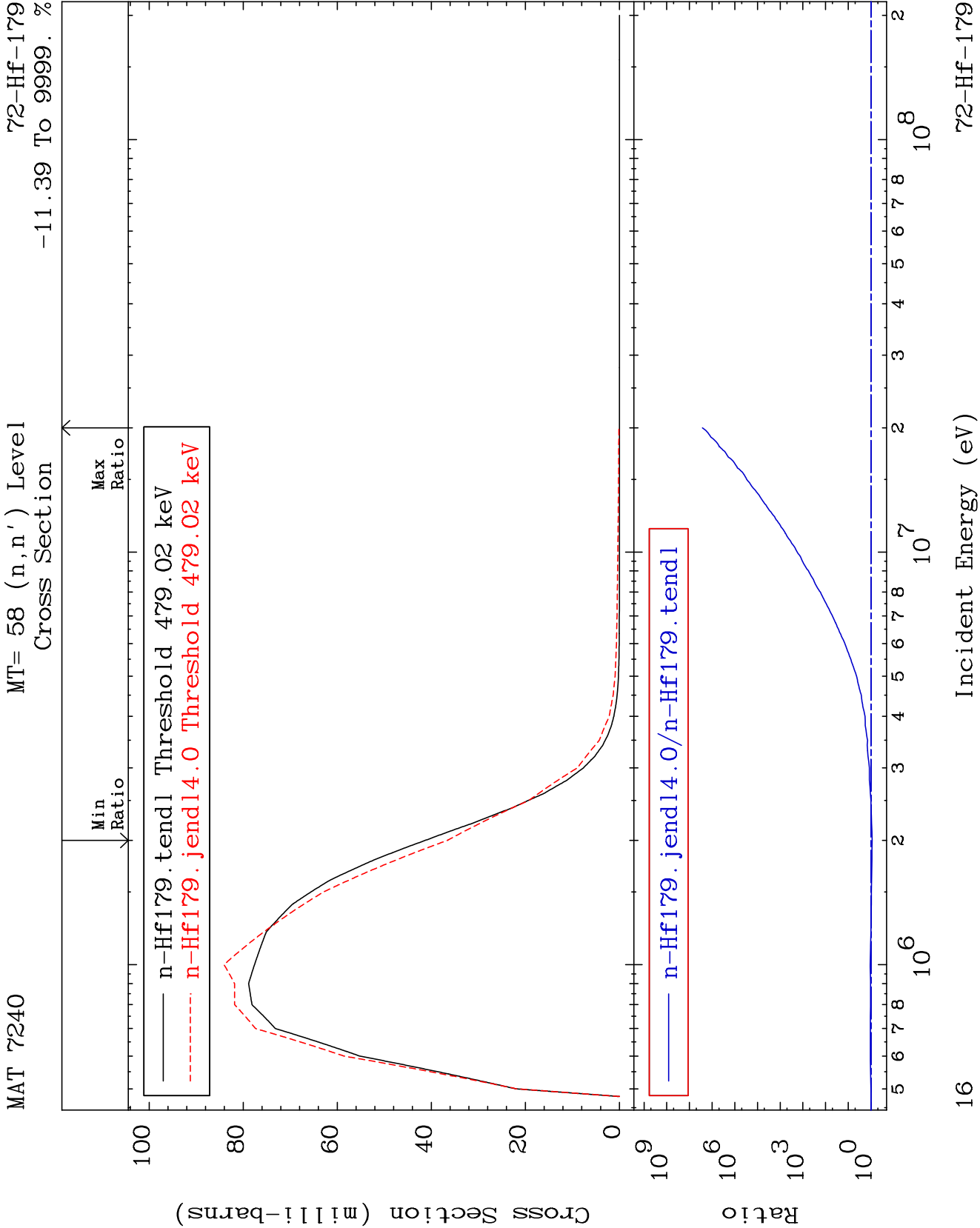
13

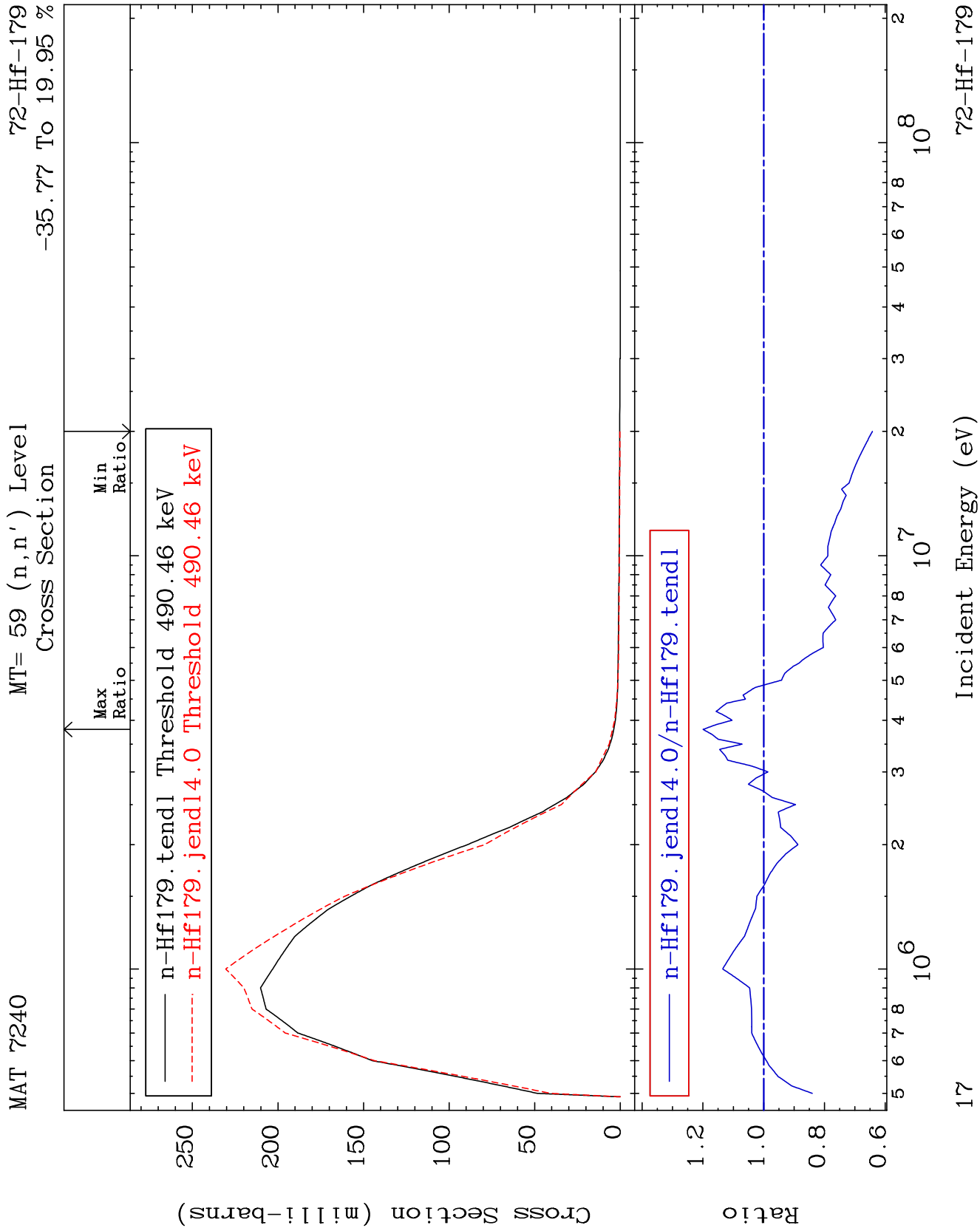
Incident Energy (eV)

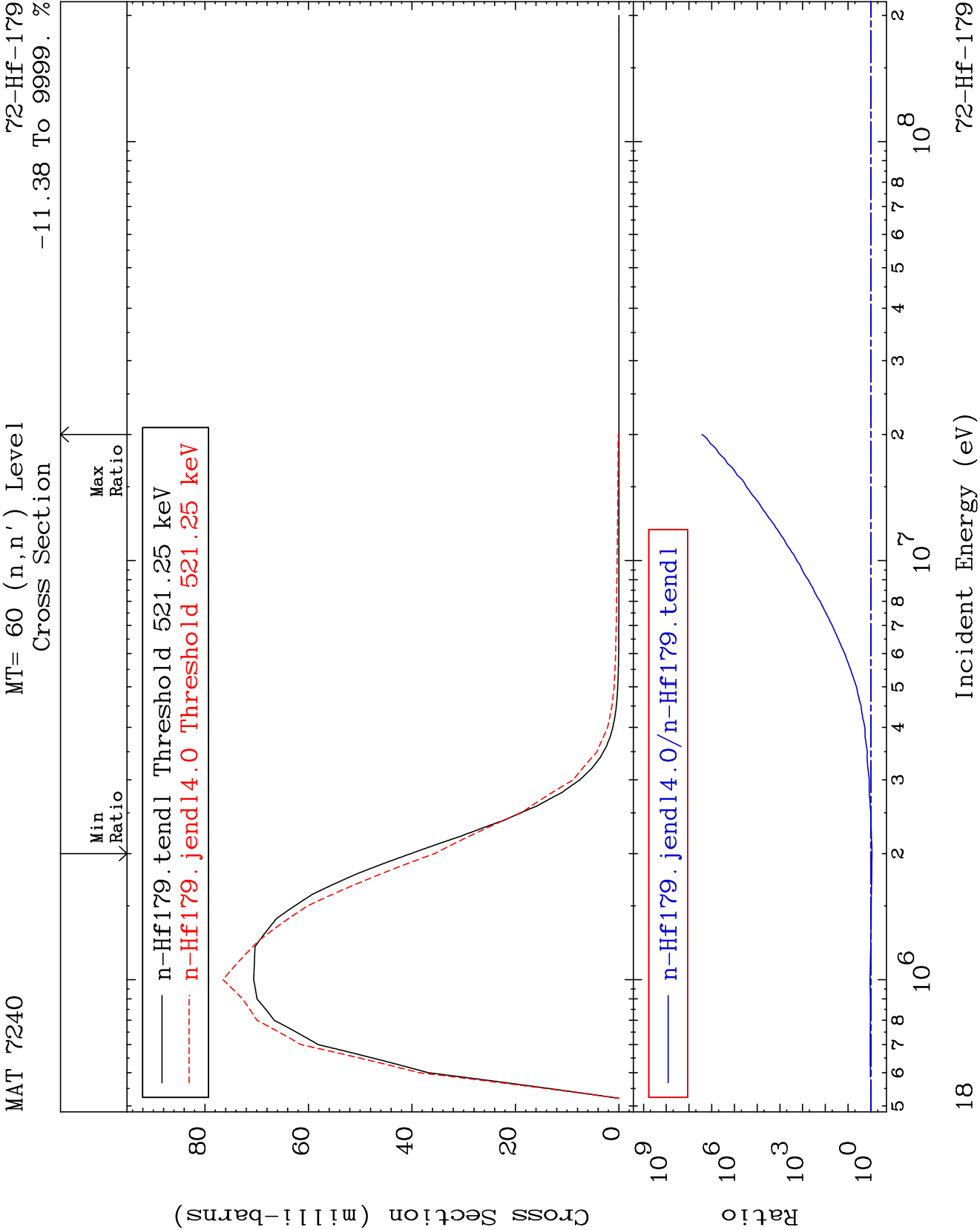
<sup>72</sup>Hf-179



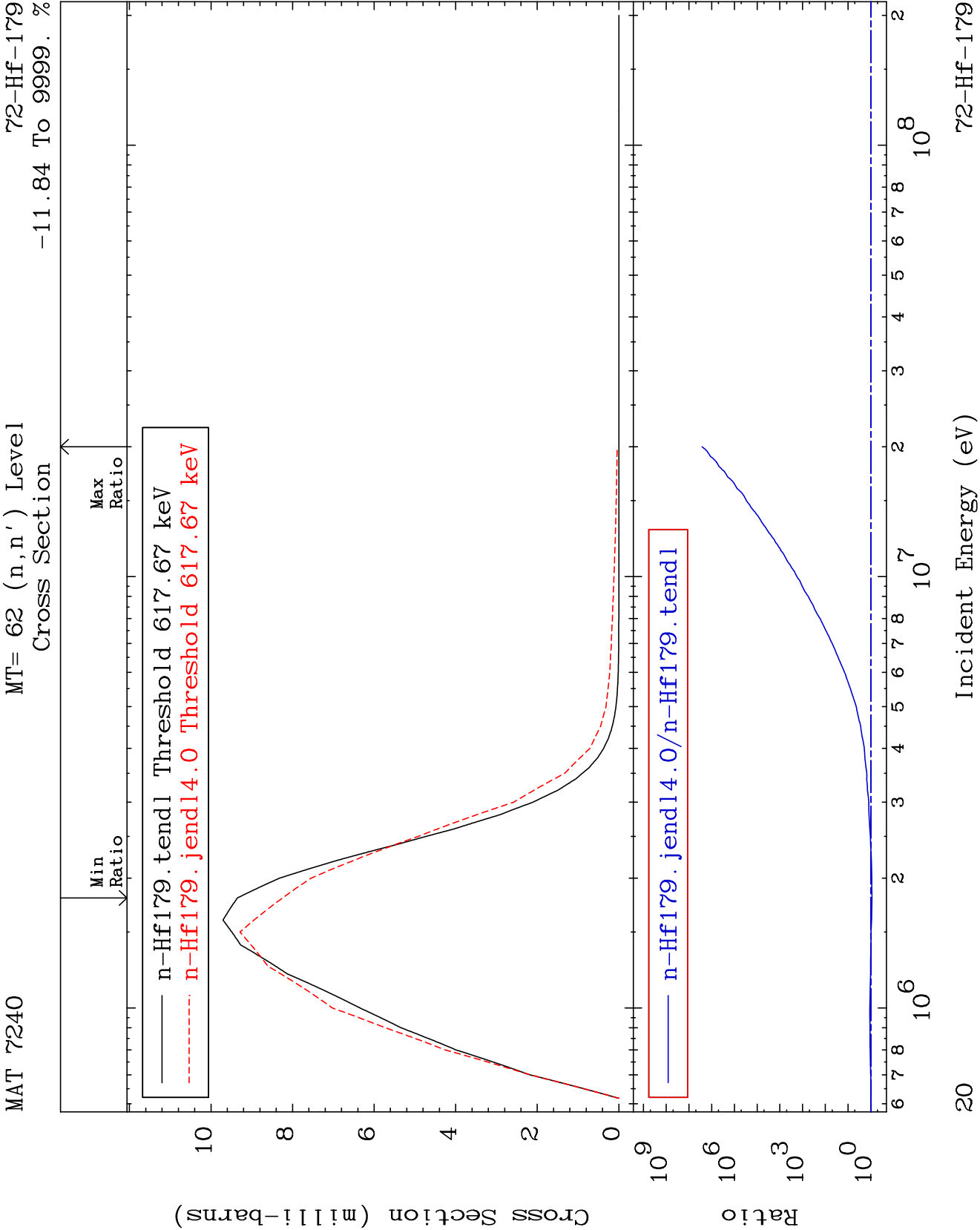


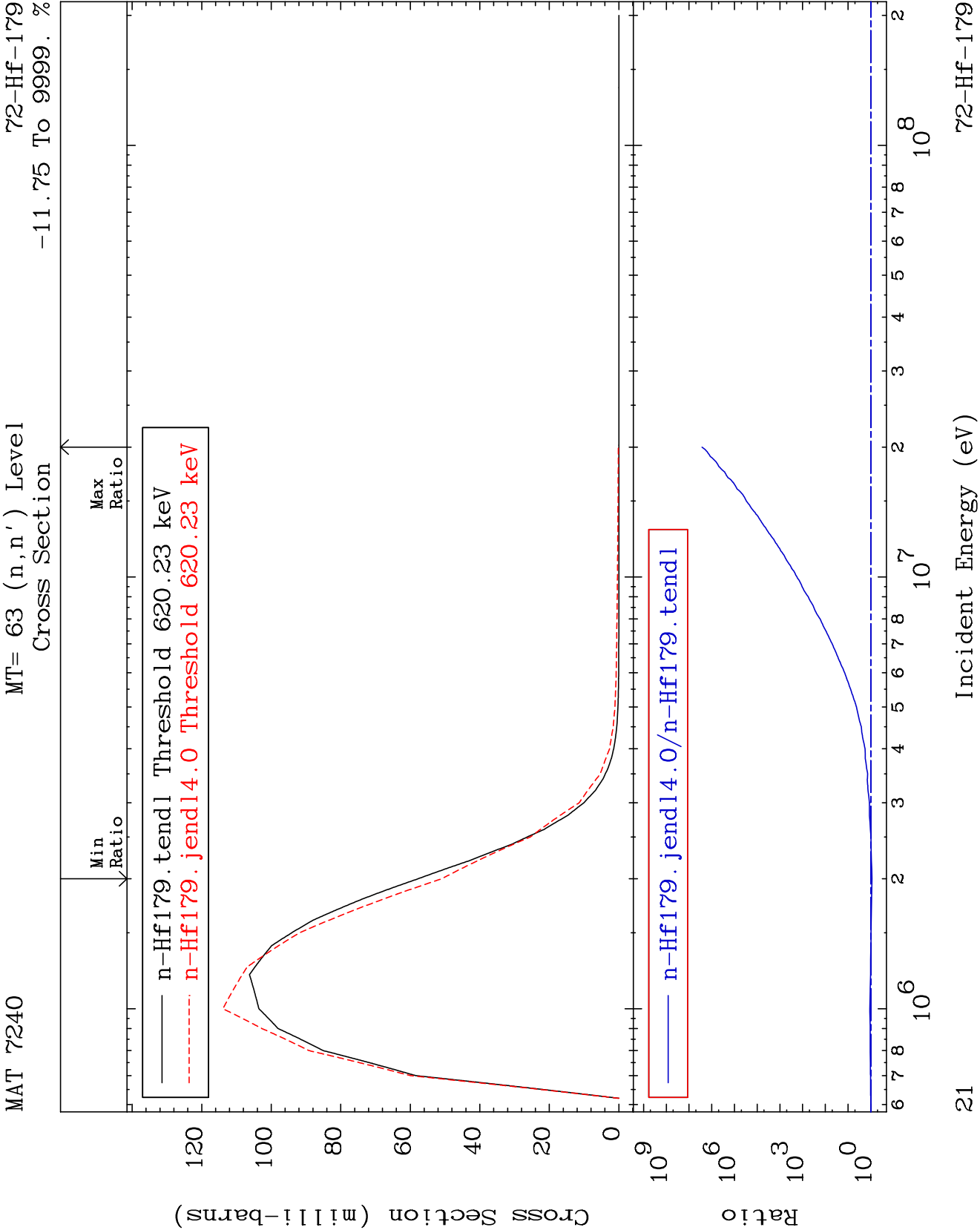


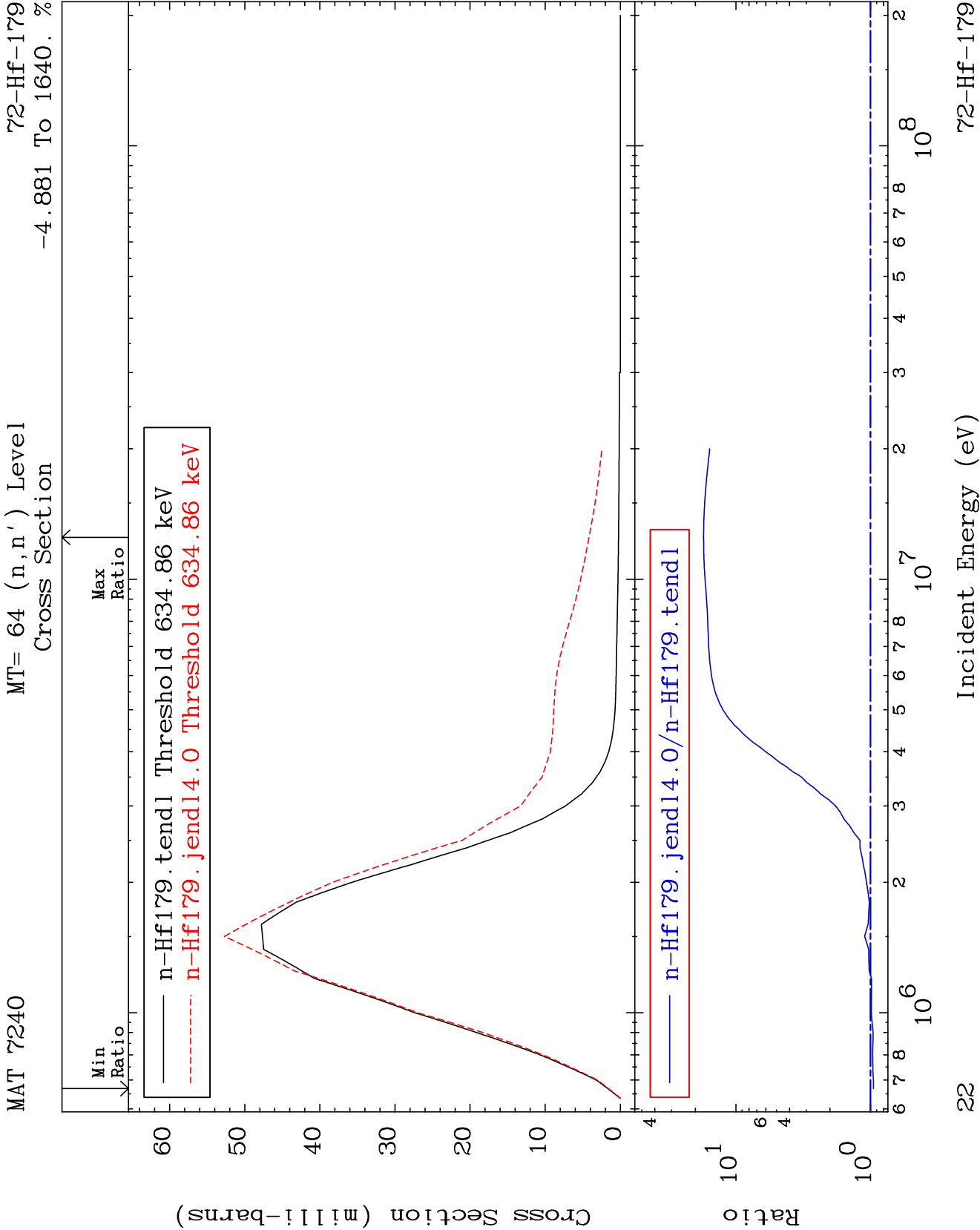


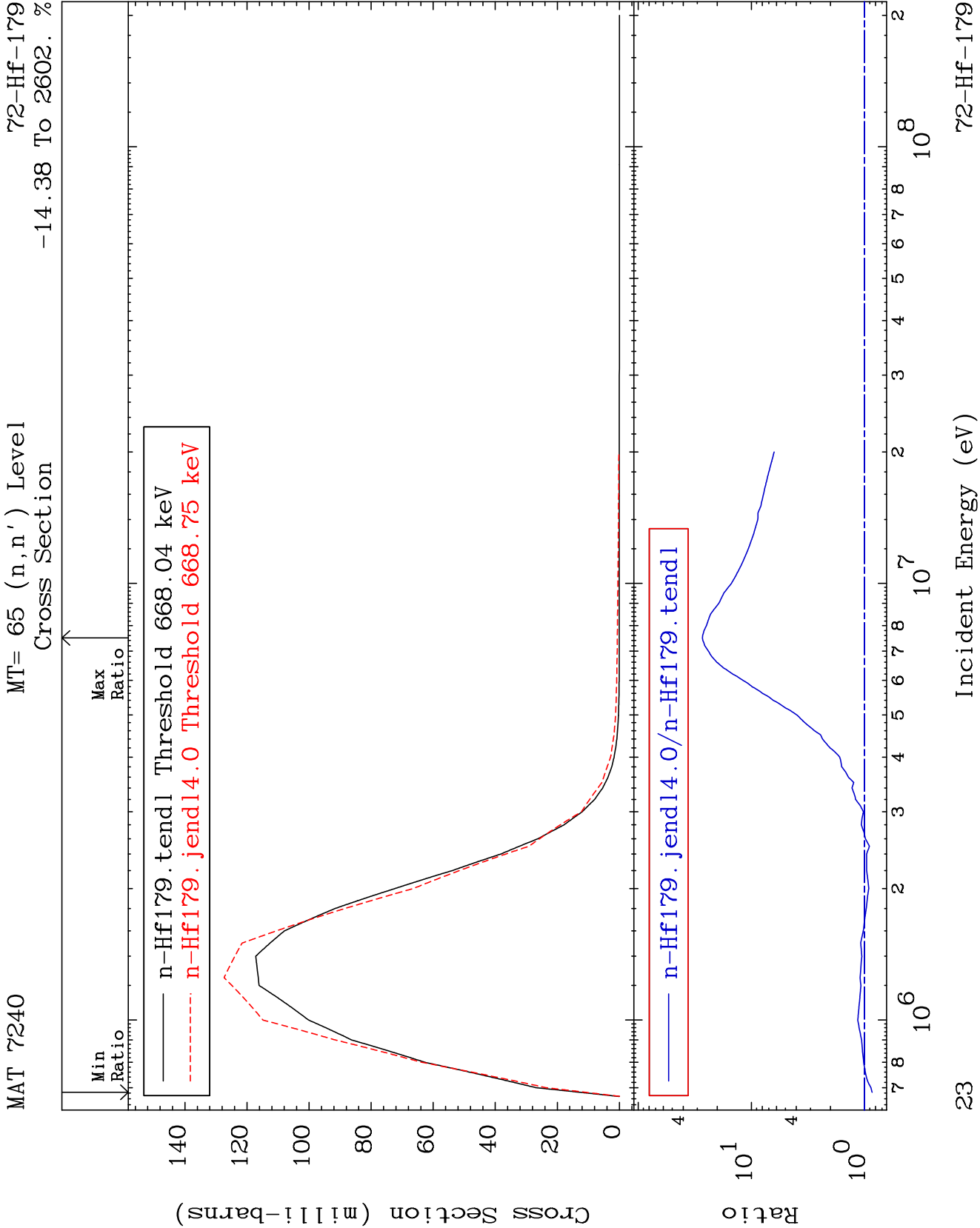








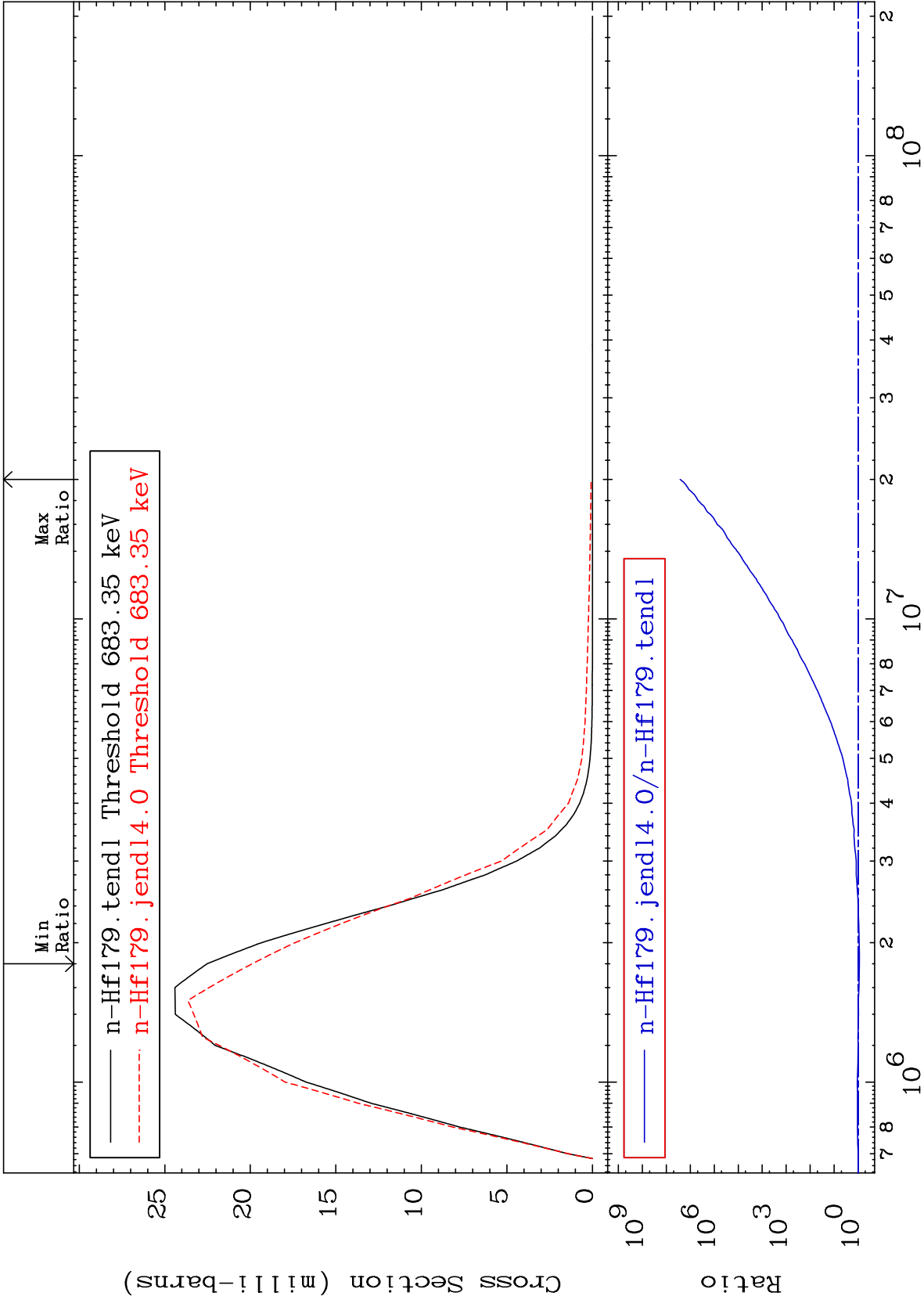


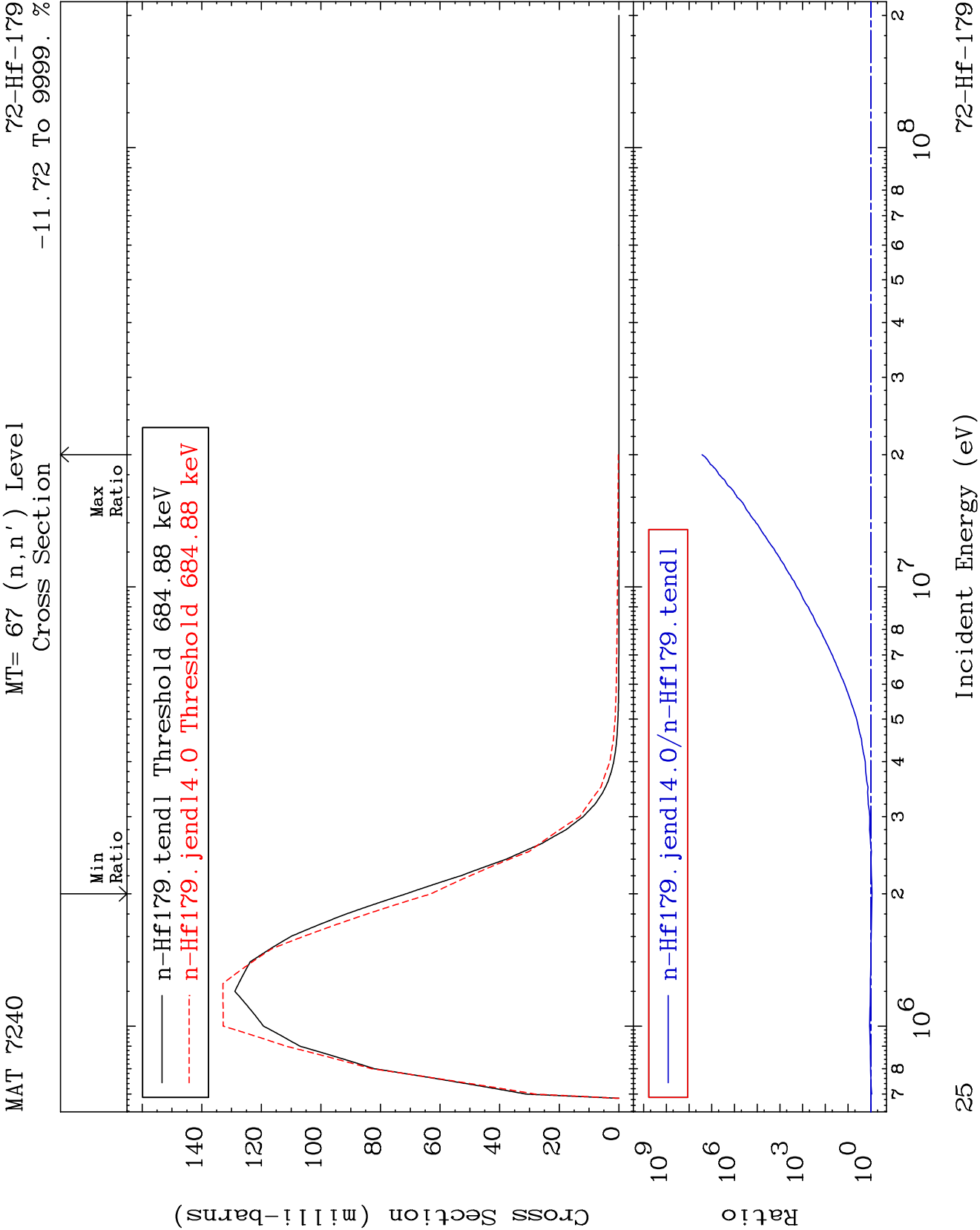


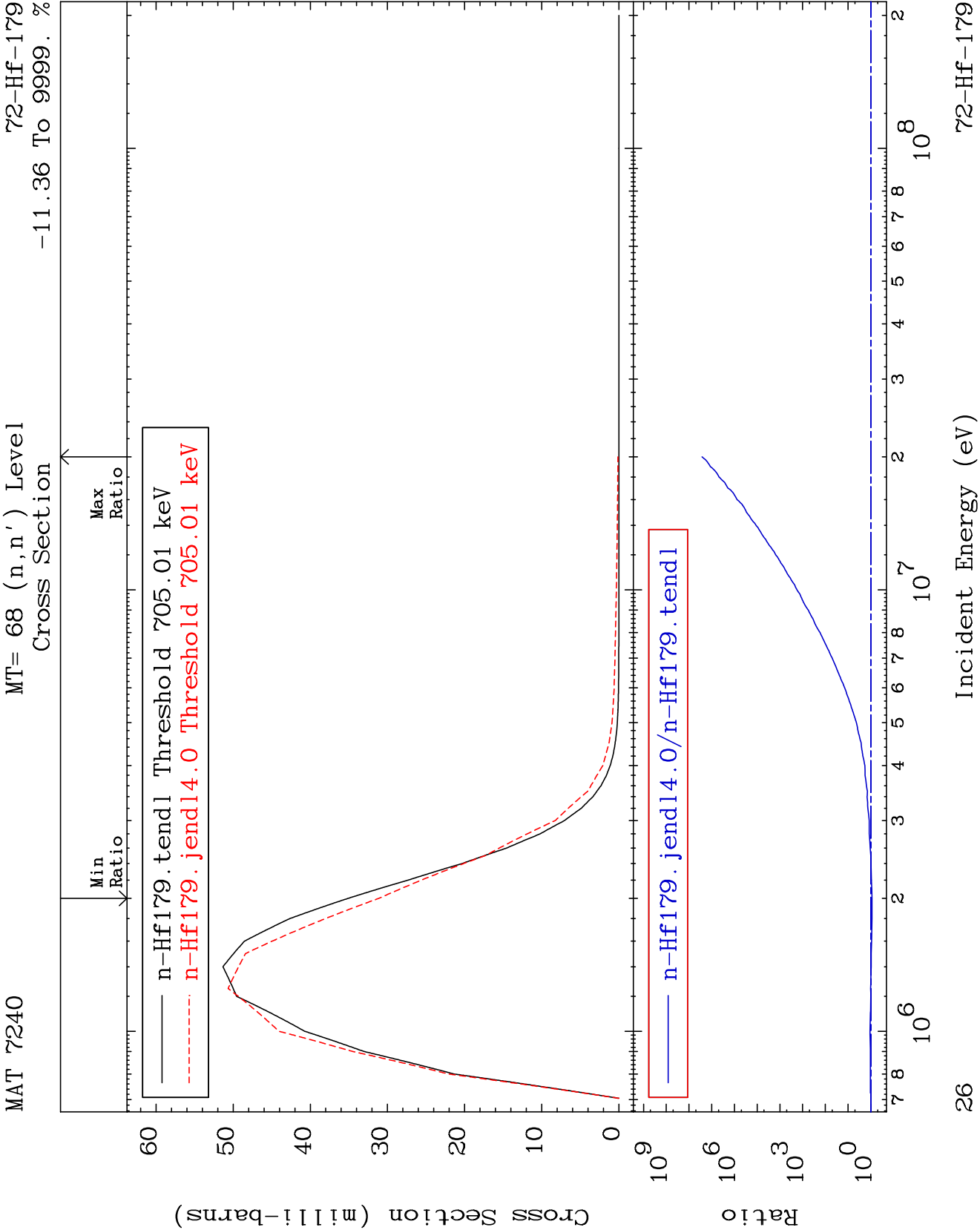
MAT 7240

MT= 66 (n,n') Level  
Cross Section

<sup>72</sup>Hf-<sup>179</sup>  
-11.73 To 9999. %



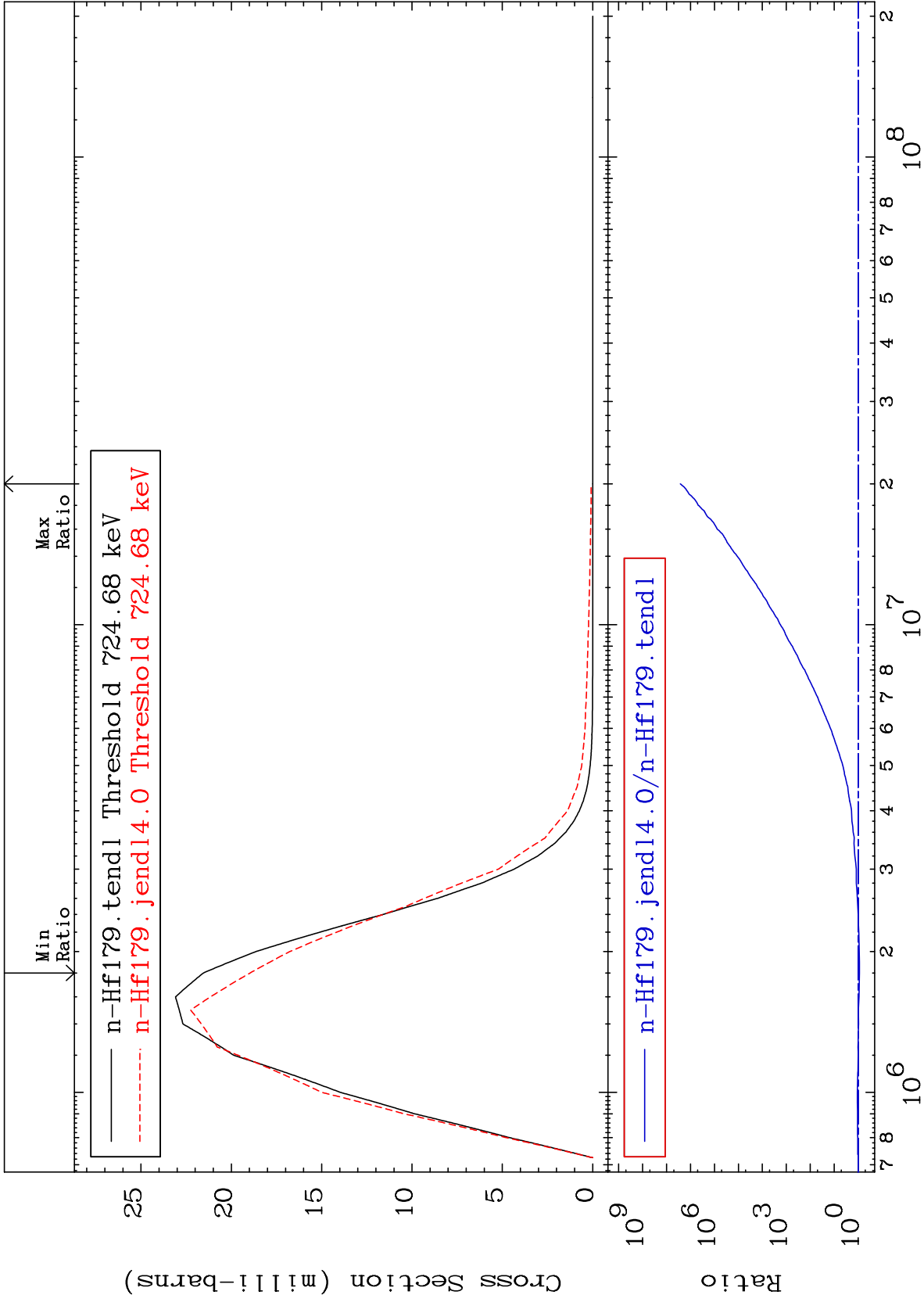


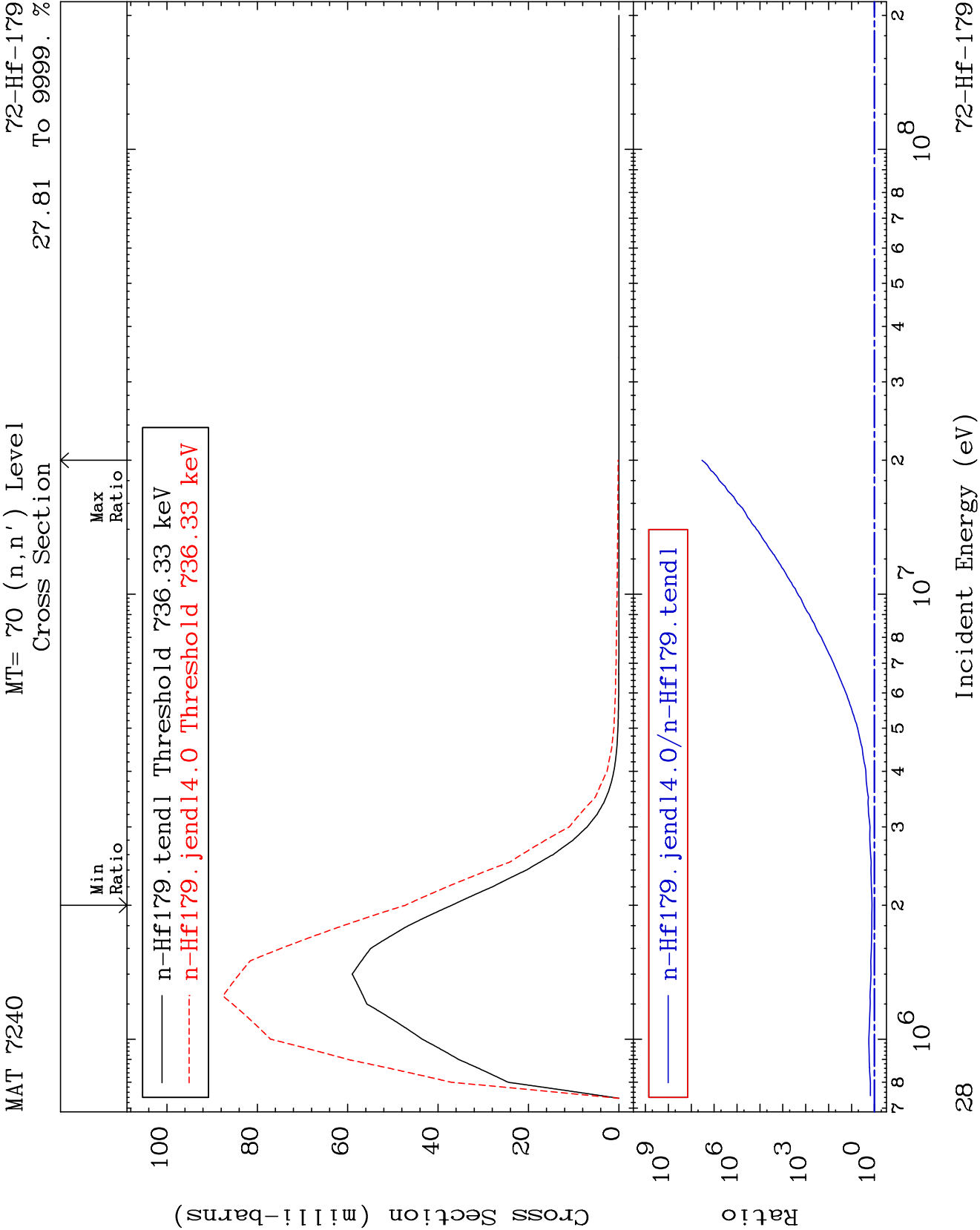


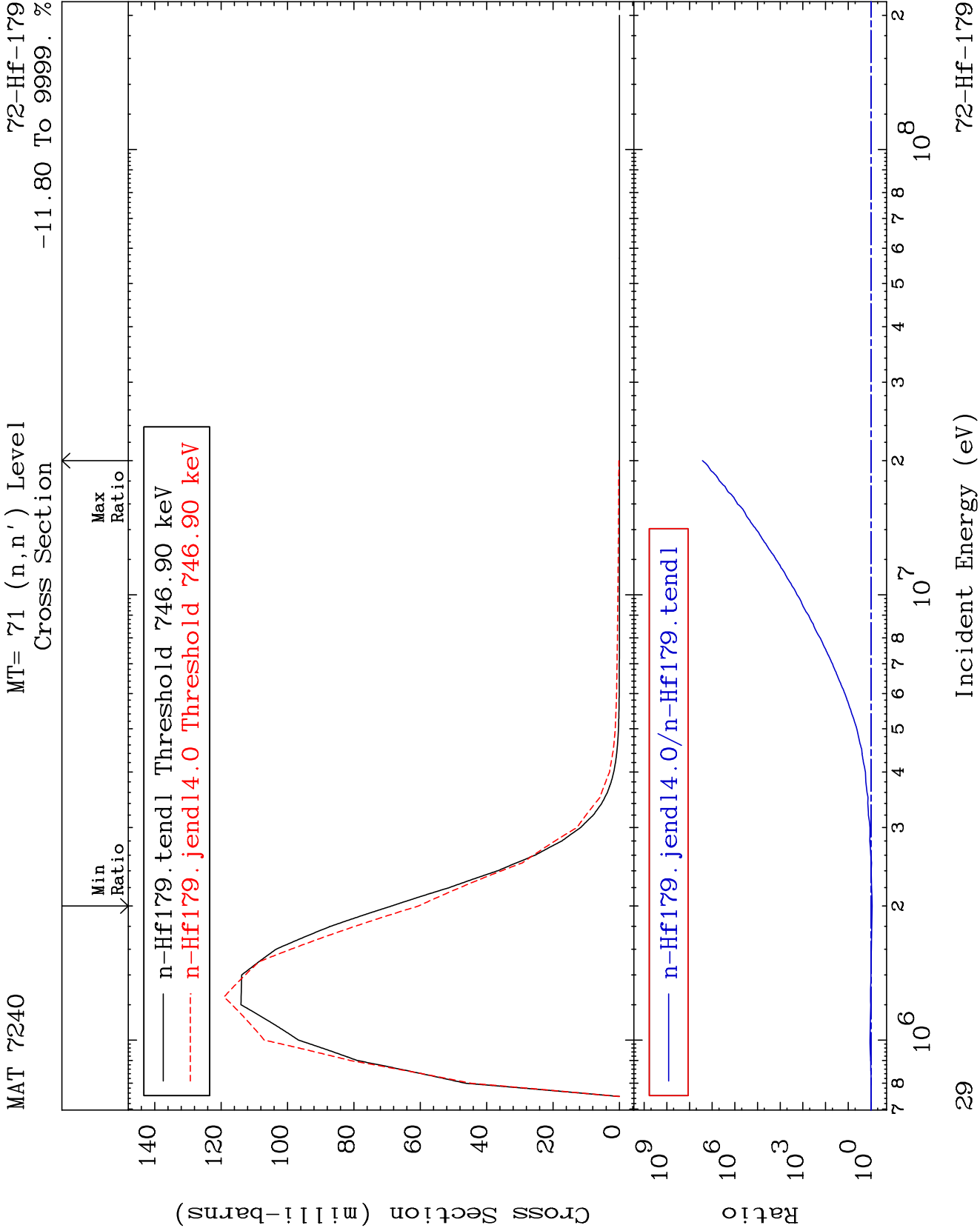
MAT 7240

MT= 69 (n,n') Level  
Cross Section

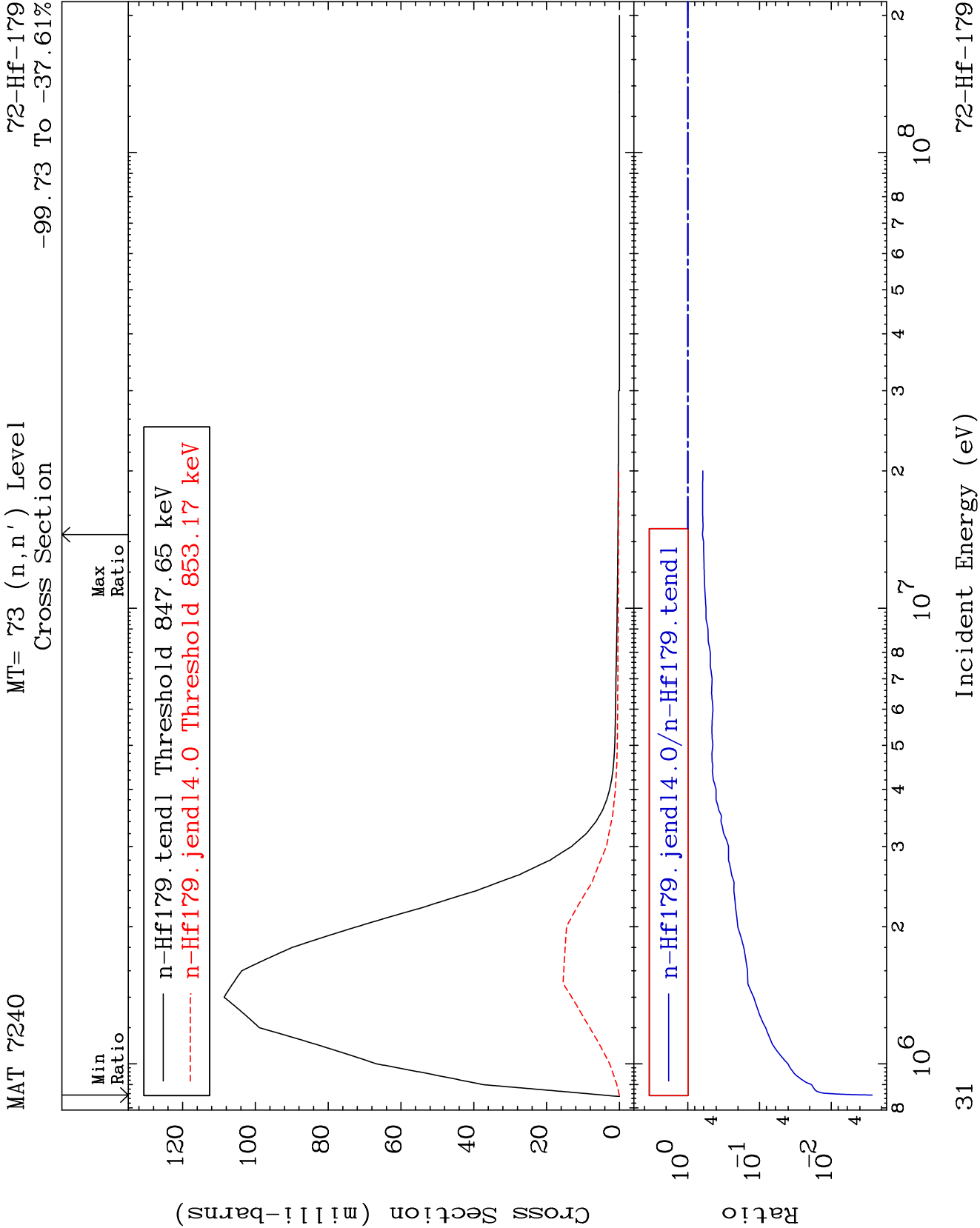
<sup>72</sup>Hf-<sup>179</sup>  
-12.02 To 9999. %

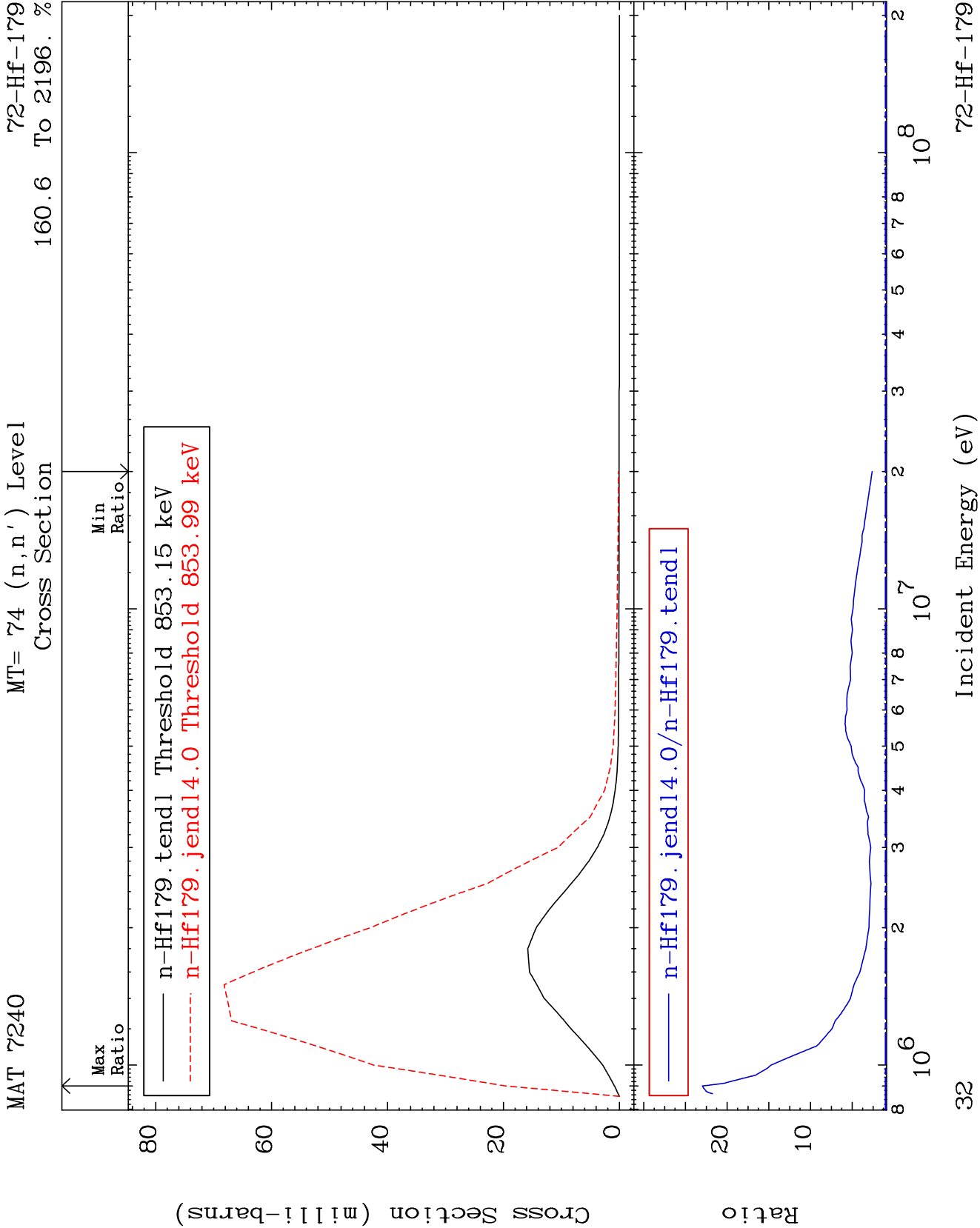


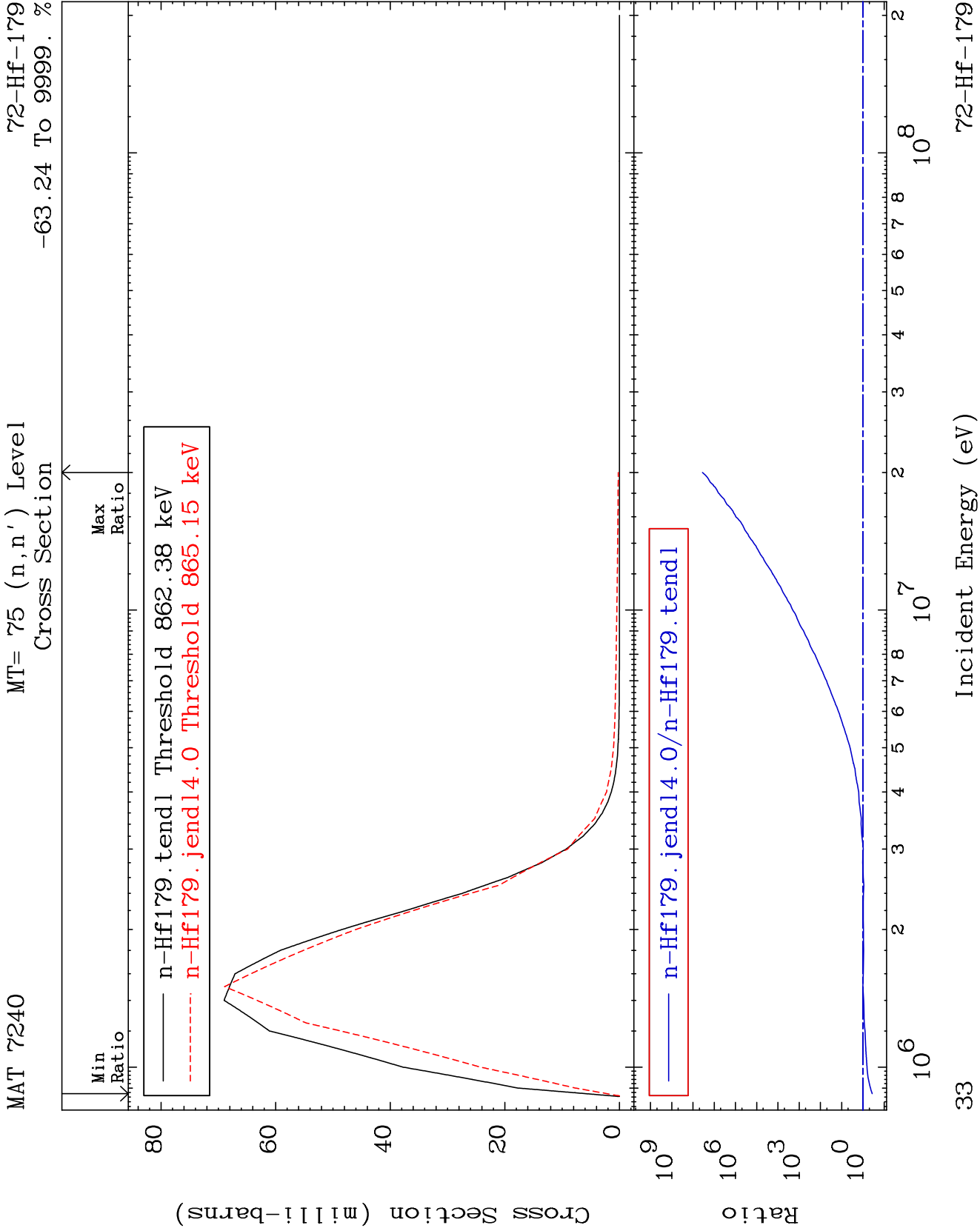


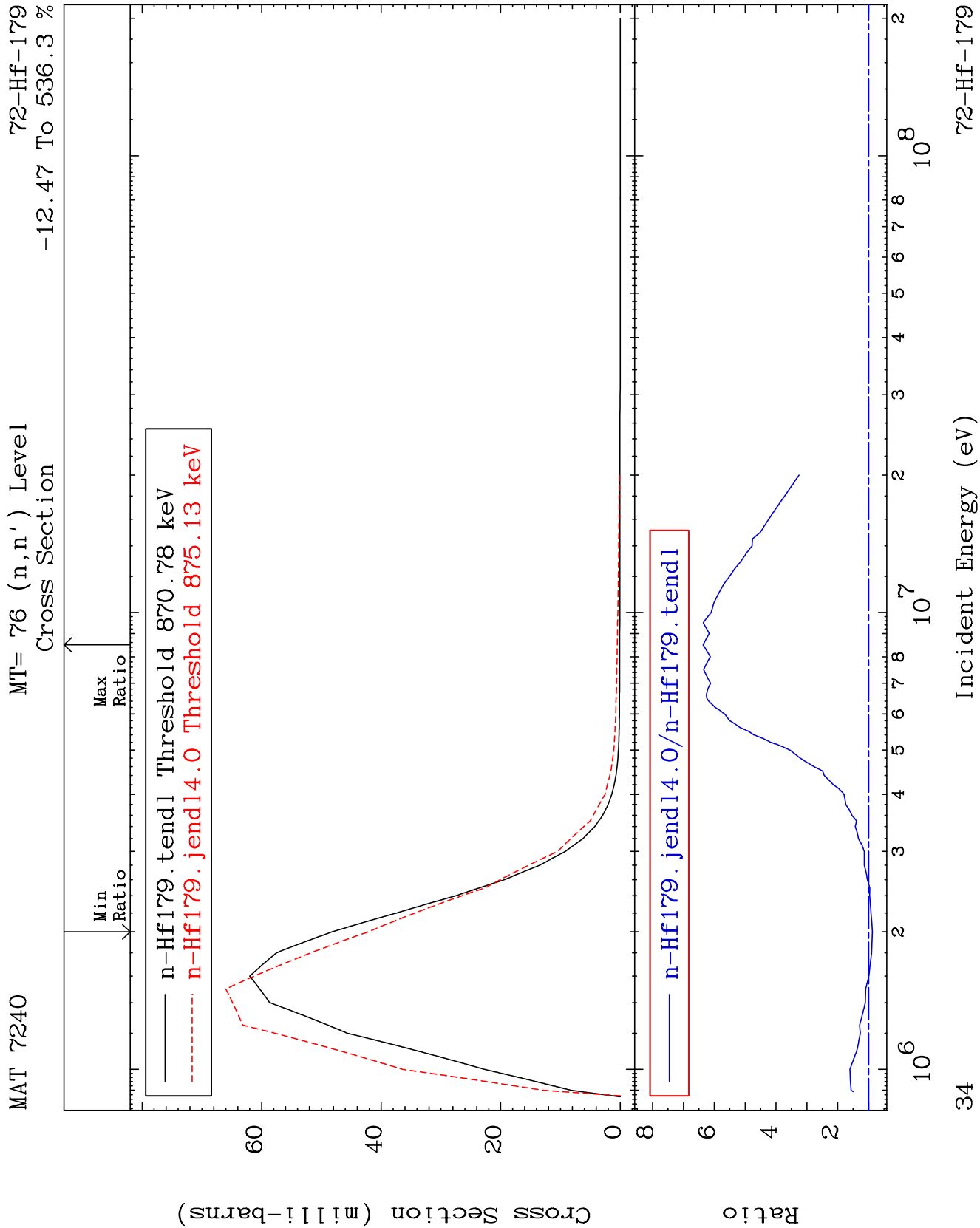


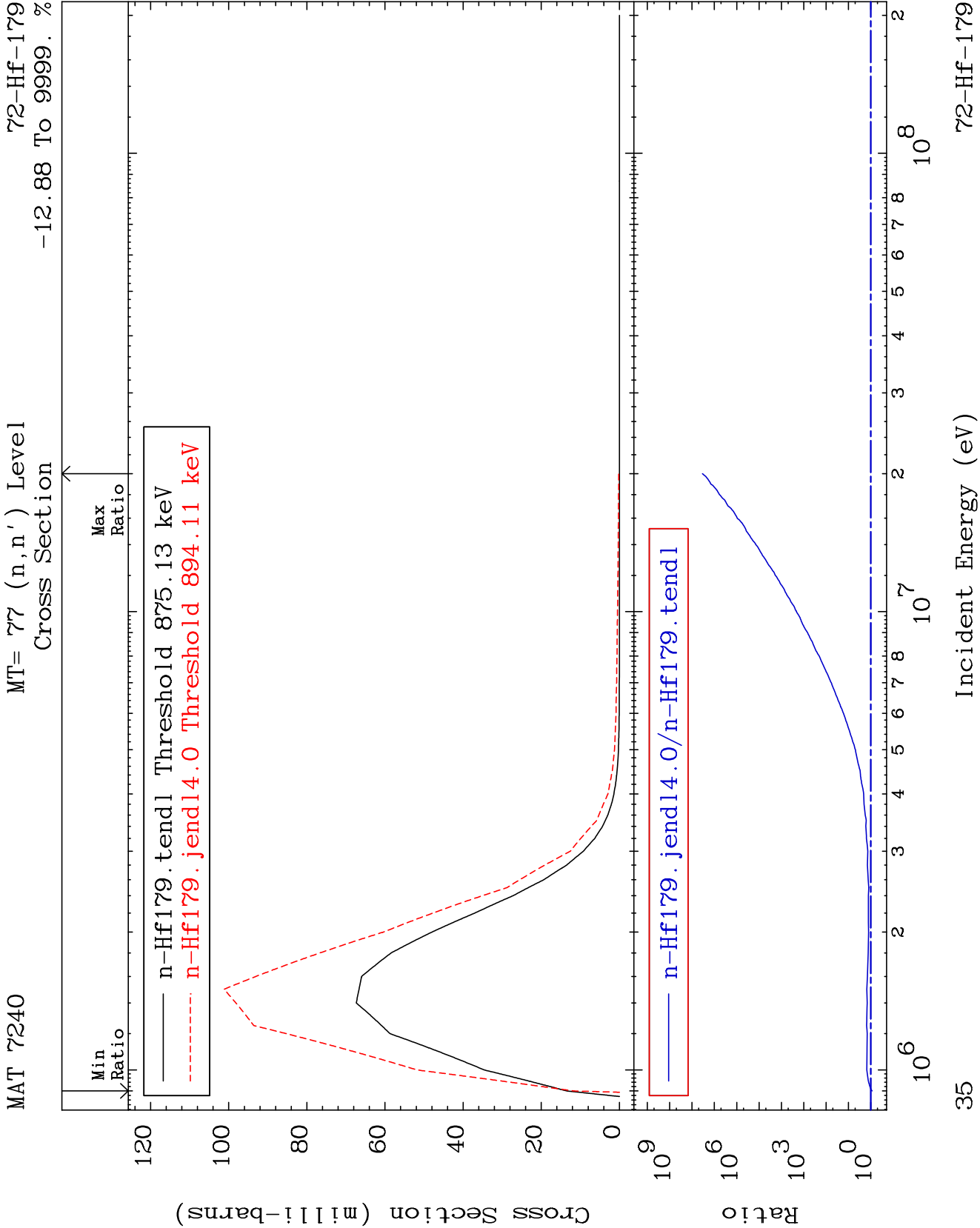


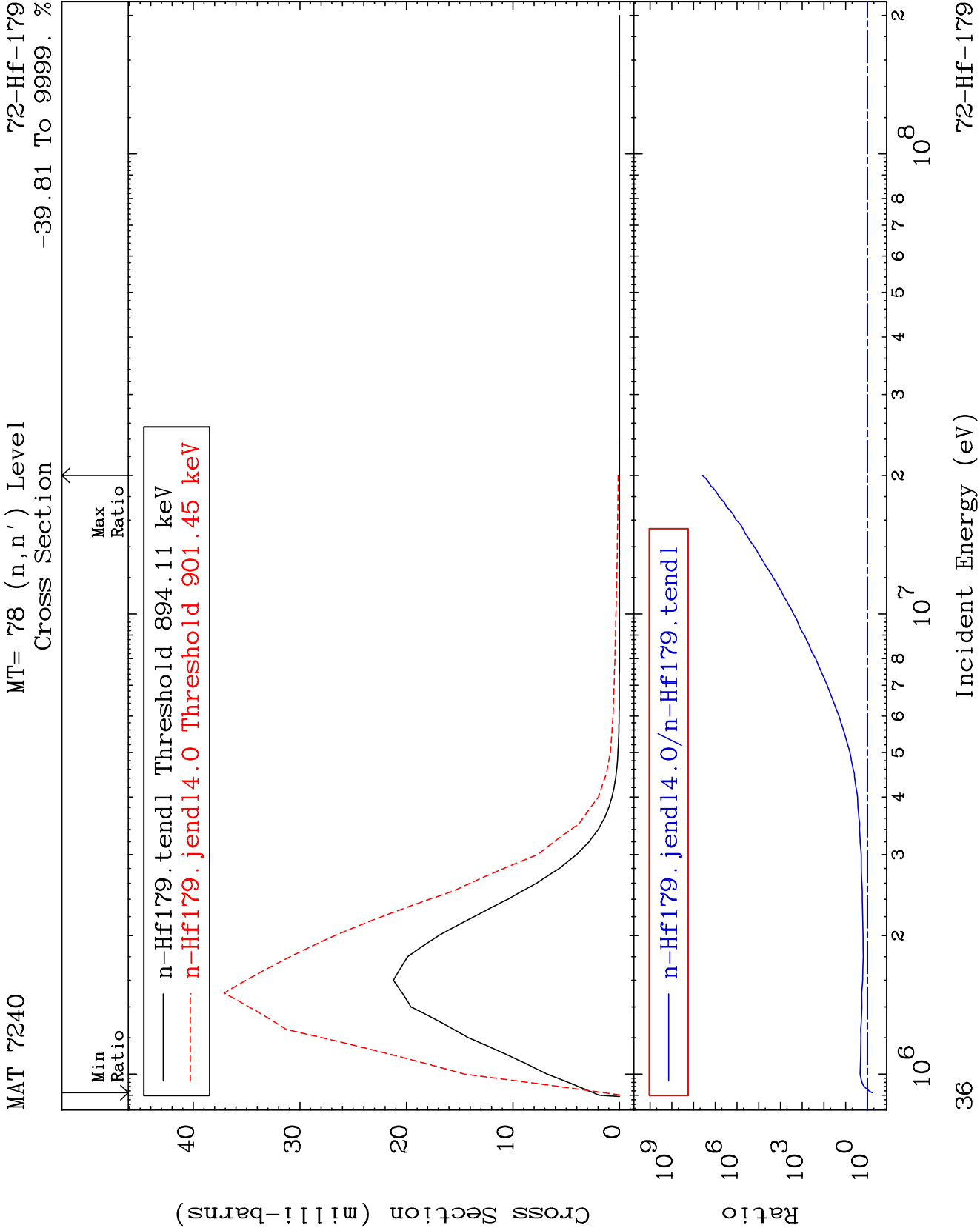


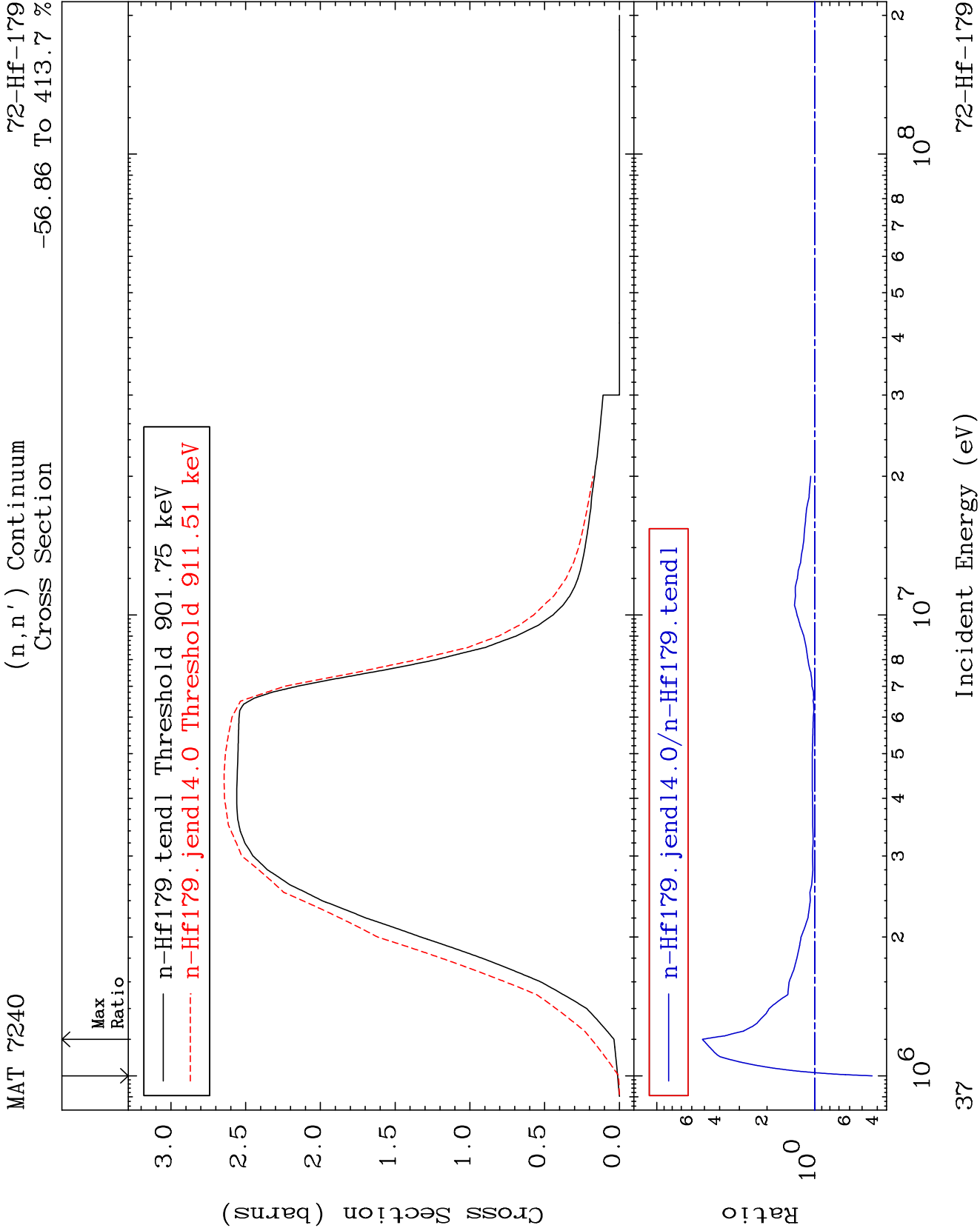












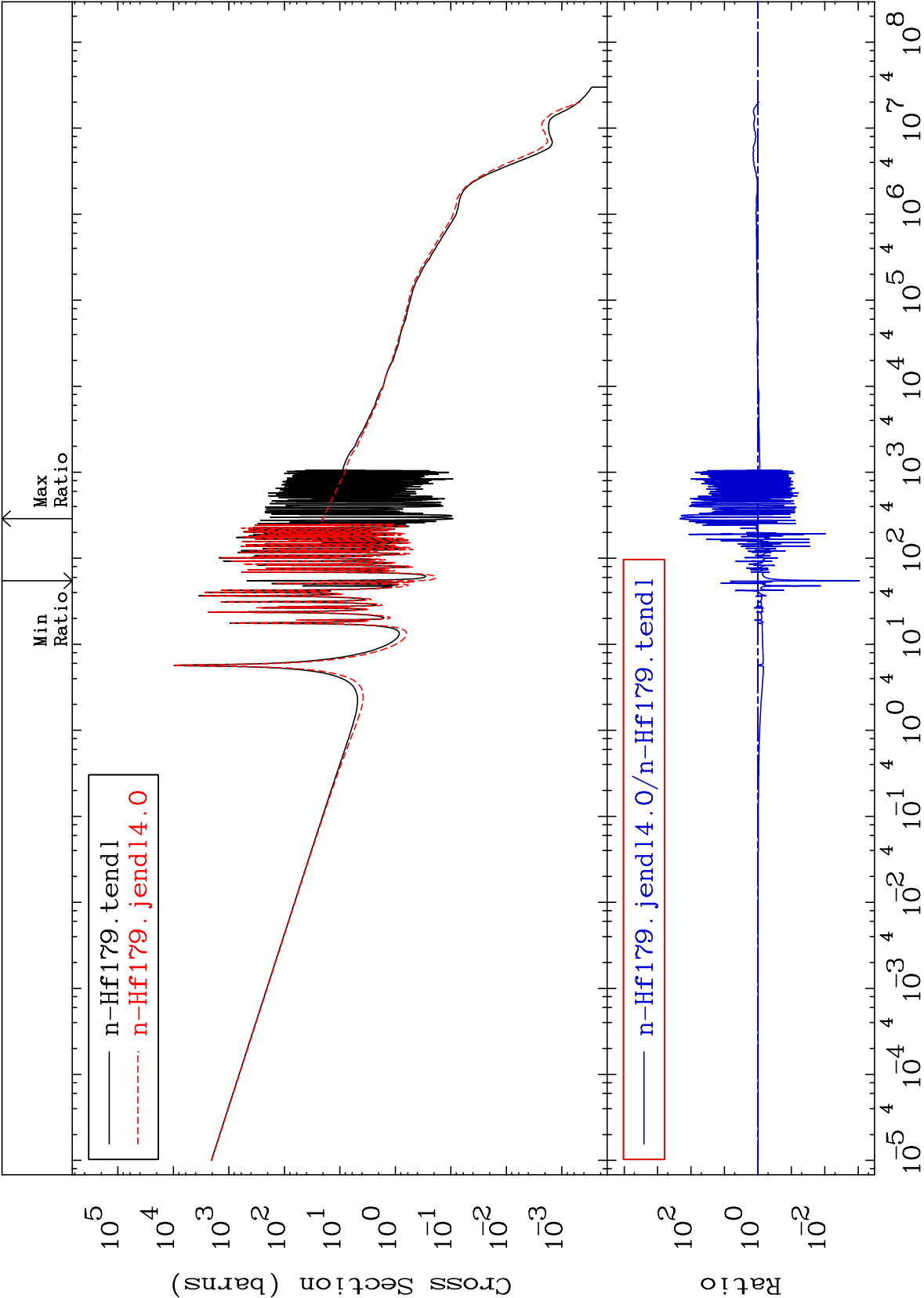
MAT 7240

$^{72}\text{Hf-179}$

-99.91 To 9999. %

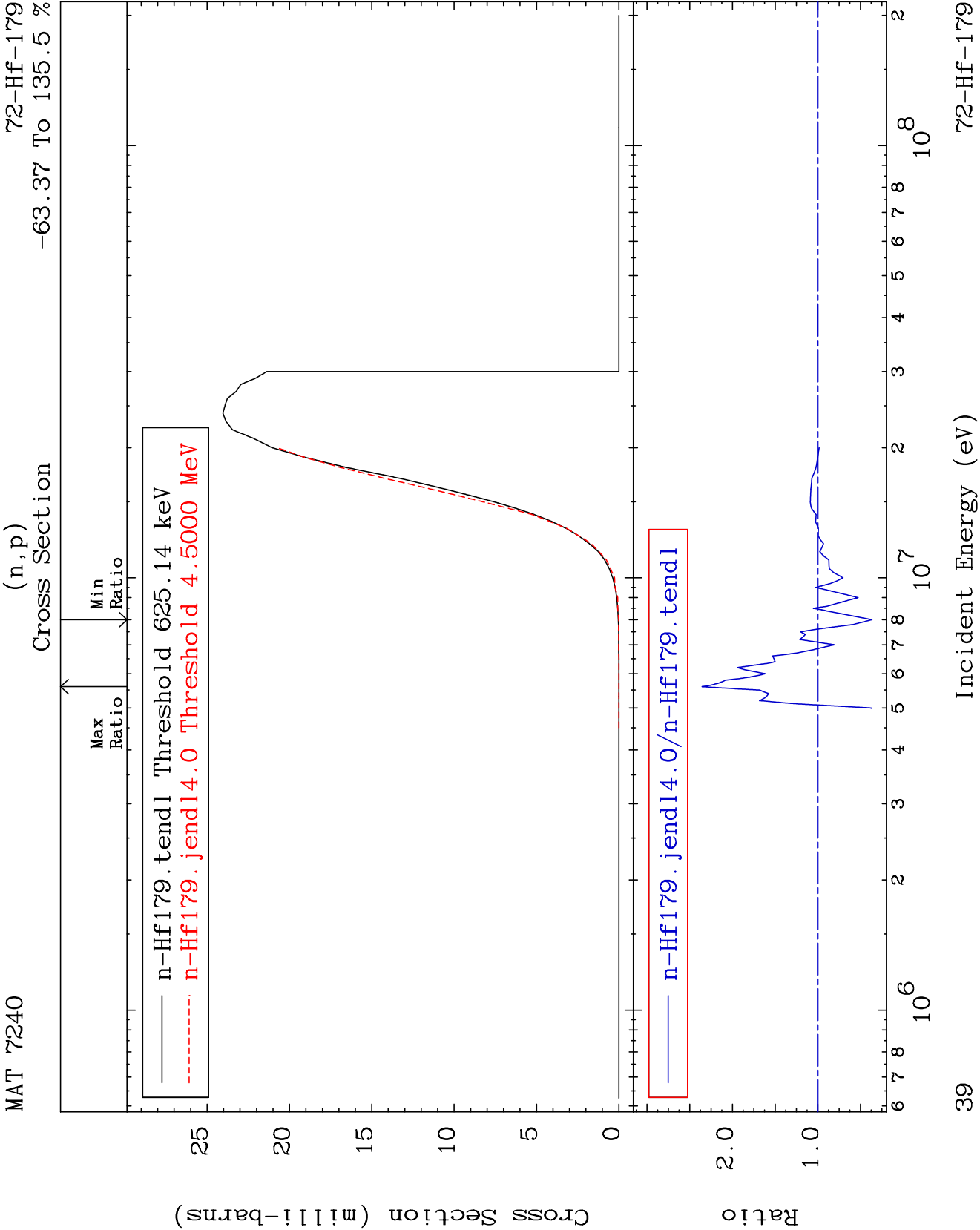
(n,  $\gamma$ )

Cross Section



Incident Energy (eV)

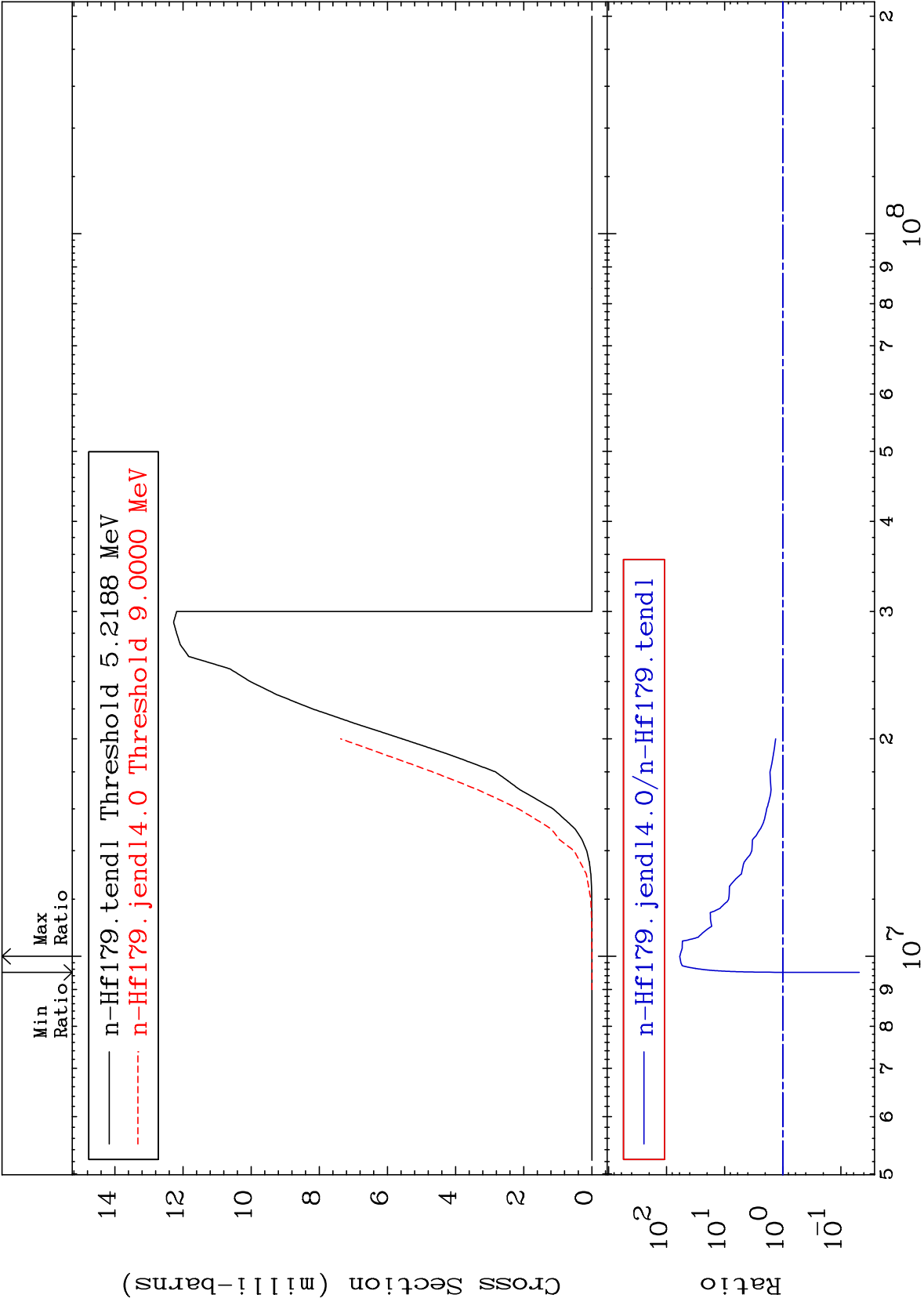
$^{72}\text{Hf-179}$



MAT 7240

(n,d)  
Cross Section

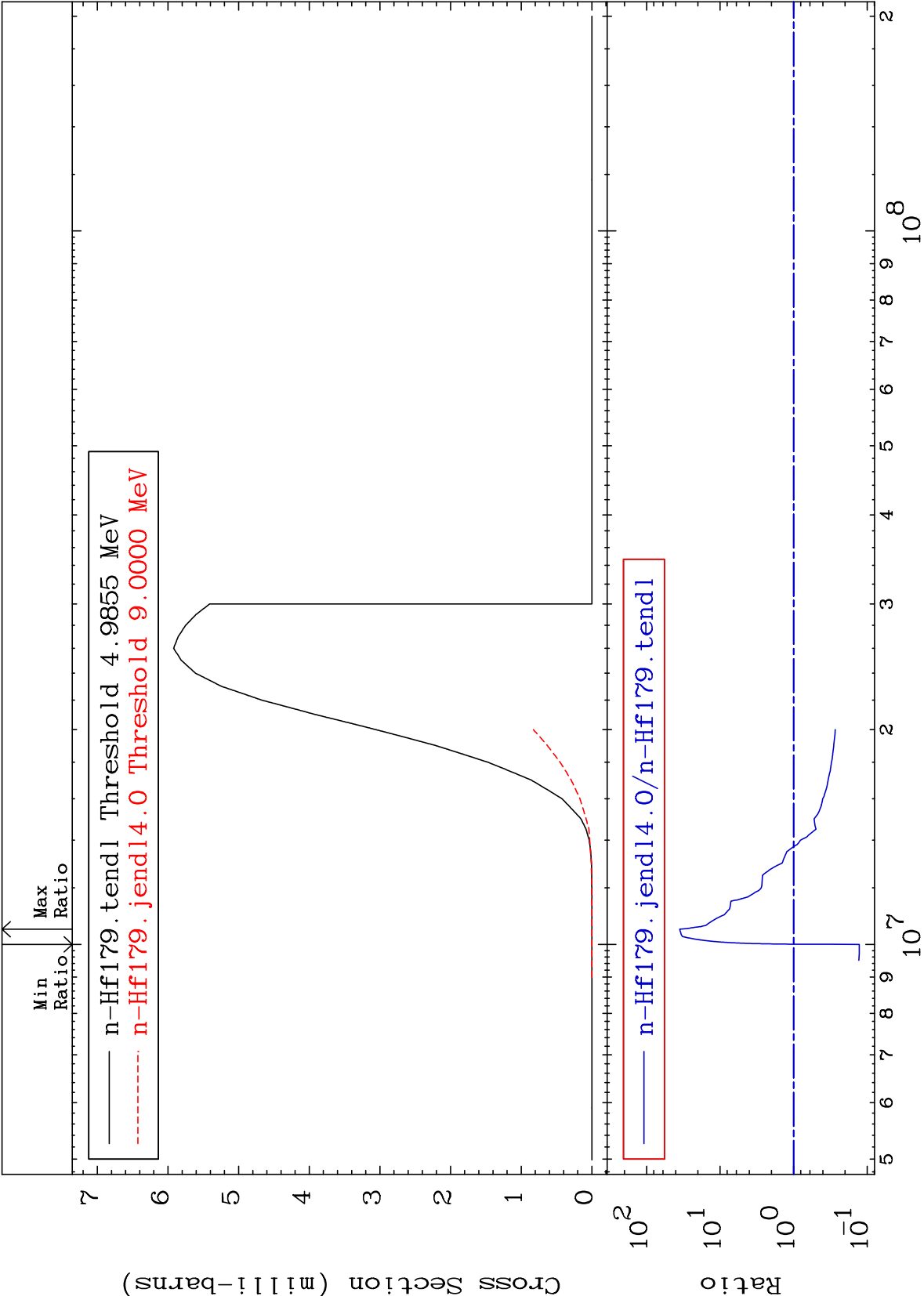
<sup>72</sup>Hf-<sup>179</sup>  
-95.19 To 5837. %

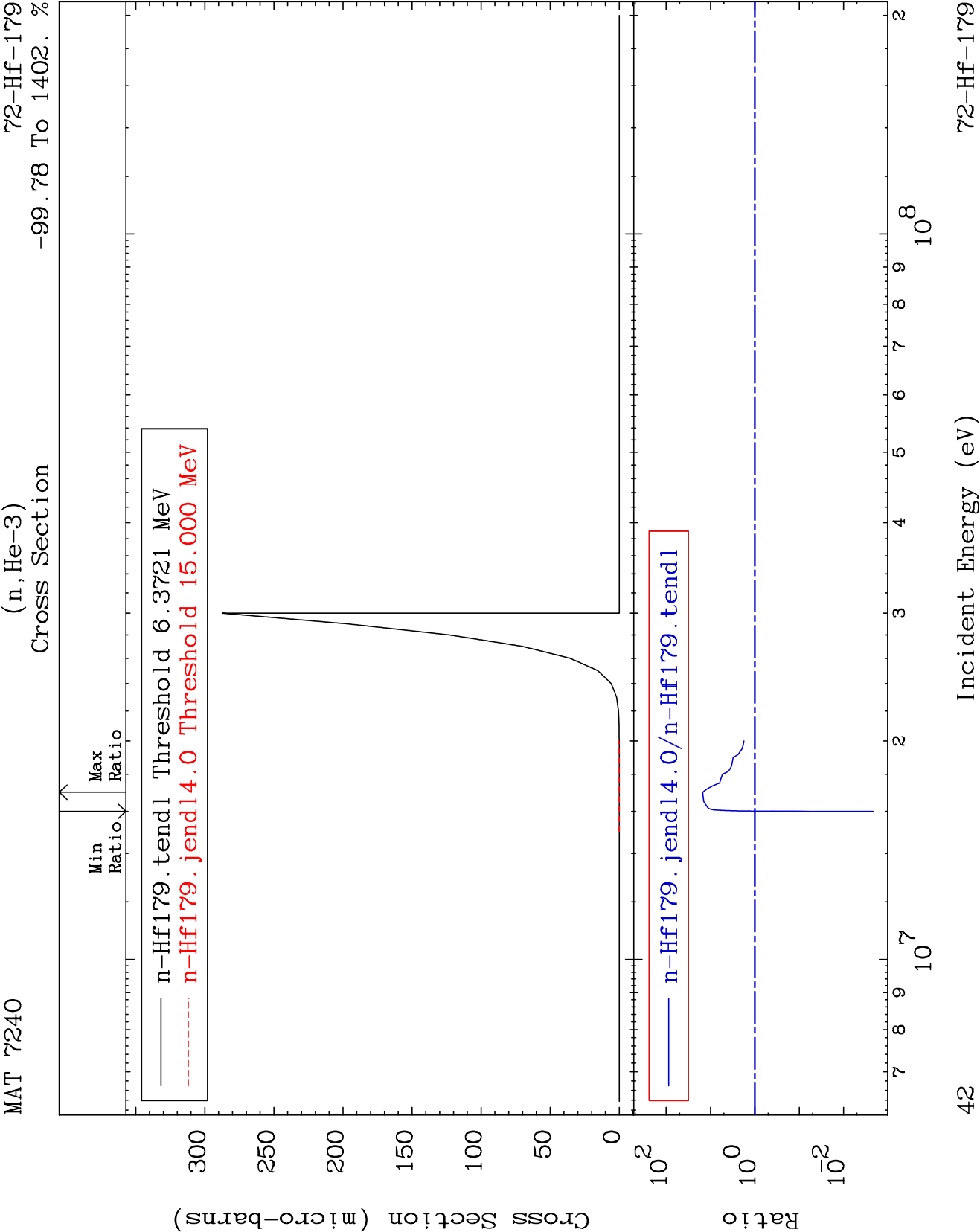


40

Incident Energy (eV)

<sup>72</sup>Hf-<sup>179</sup>

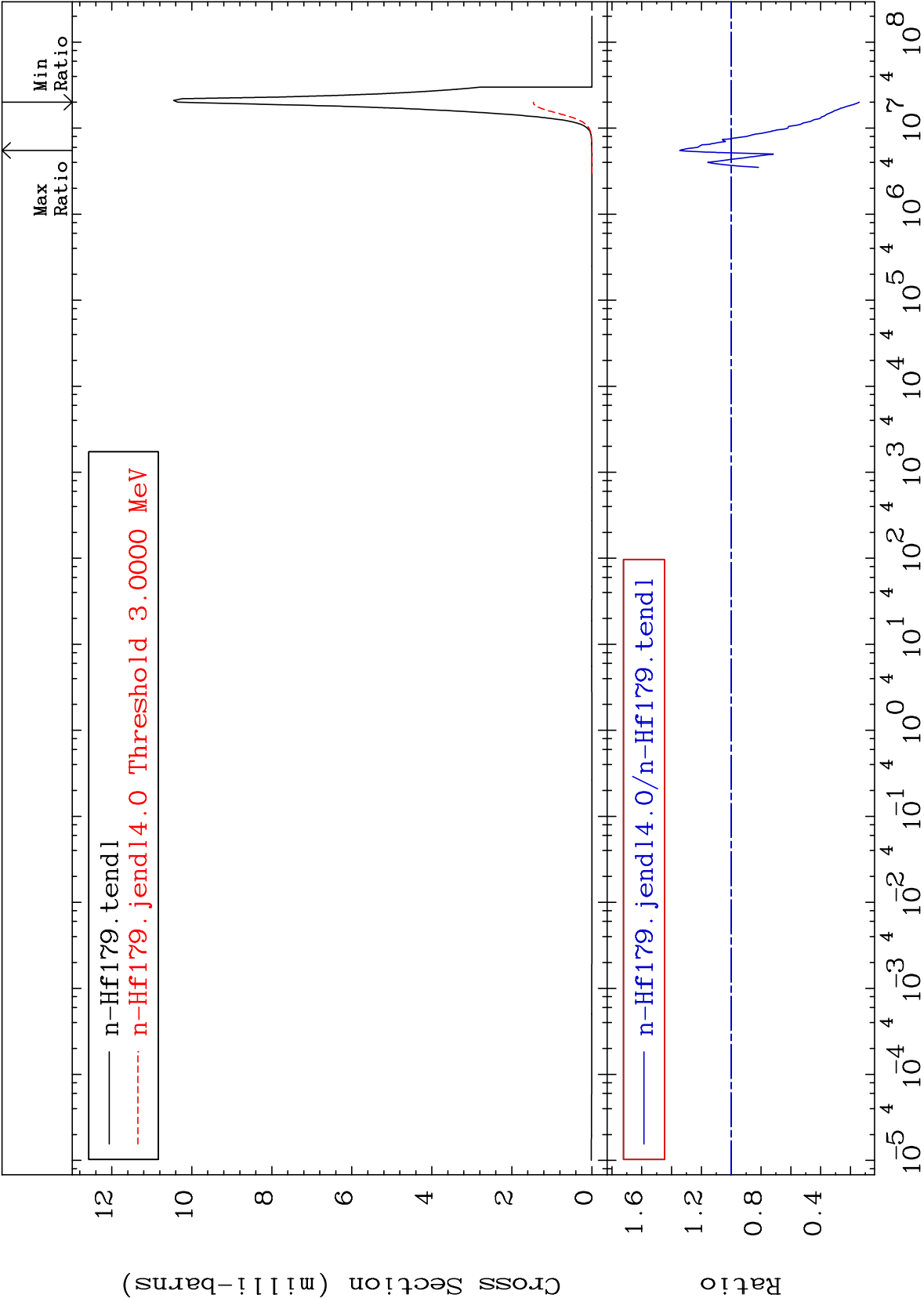




MAT 7240

(n,  $\alpha$ )  
Cross Section

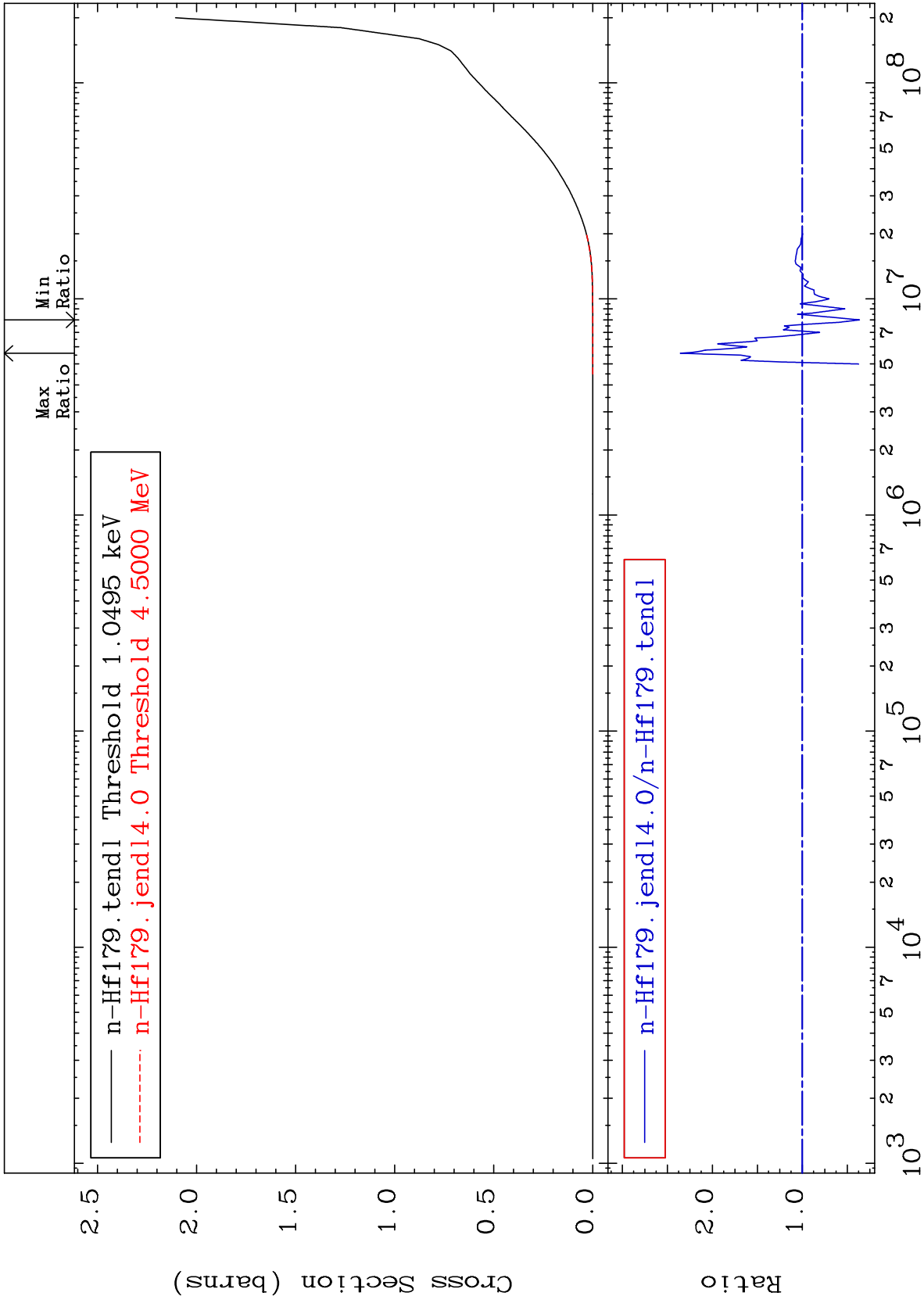
72-Hf-179  
-85.89 To 34.49 %



MAT 7240

Hydrogen Production  
Cross Section

<sup>72</sup>Hf-<sup>179</sup>  
-63.37 To 135.5 %



44

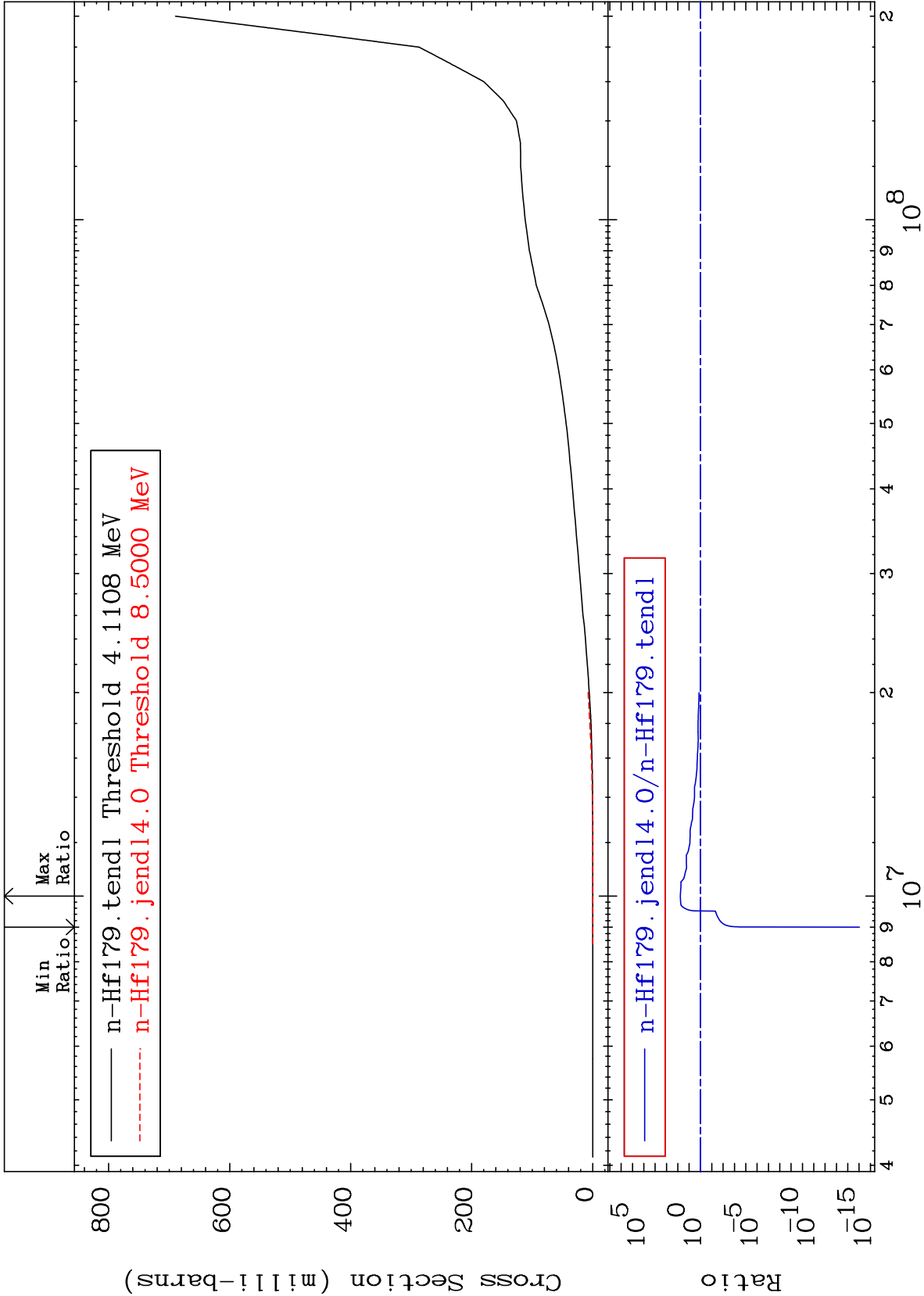
Incident Energy (eV)

<sup>72</sup>Hf-<sup>179</sup>

MAT 7240

Deuterium Production  
Cross Section

$^{72}\text{Hf-179}$   
-100.0 To 5837. %



45

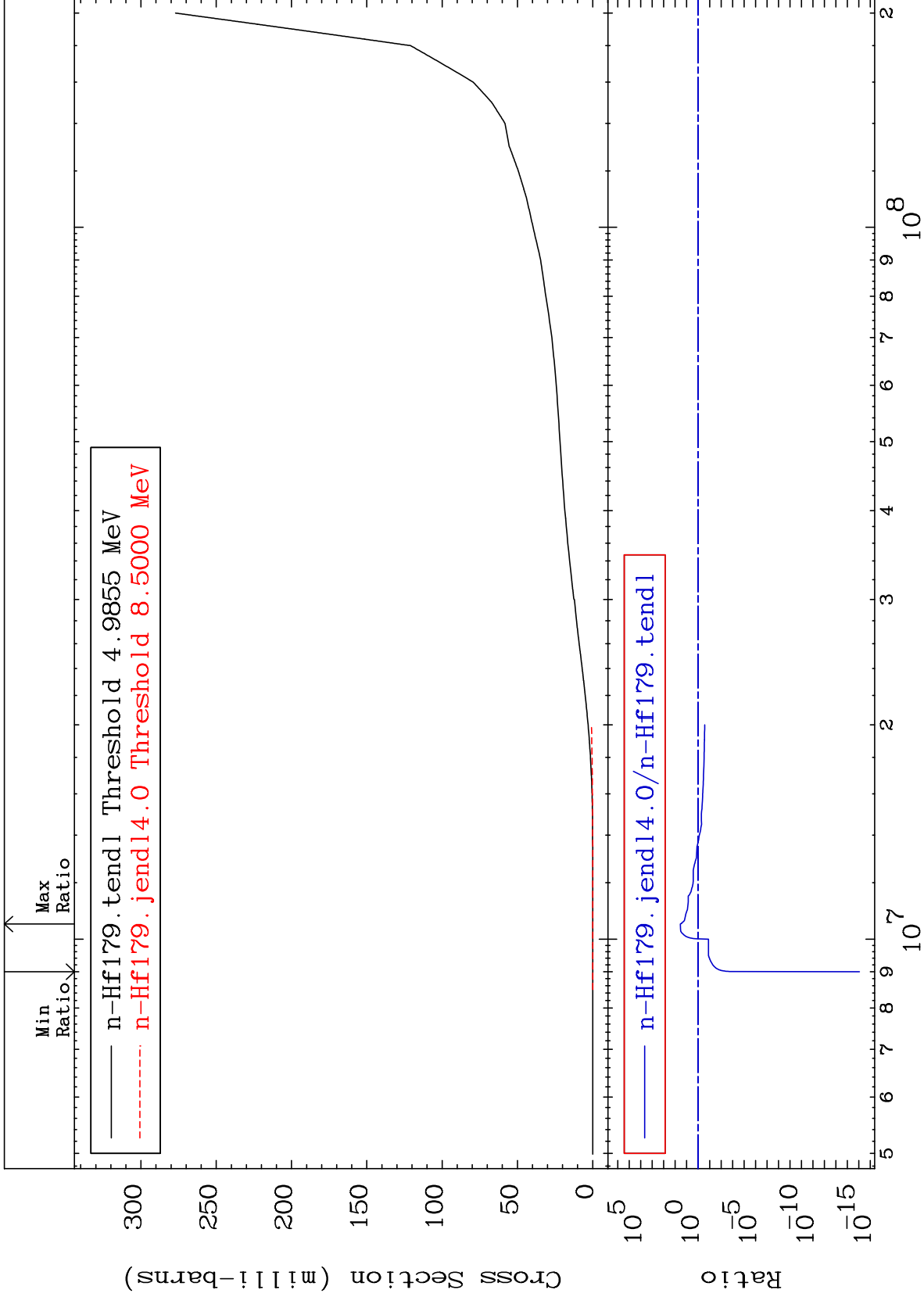
Incident Energy (eV)

$^{72}\text{Hf-179}$

MAT 7240

Tritium Production  
Cross Section

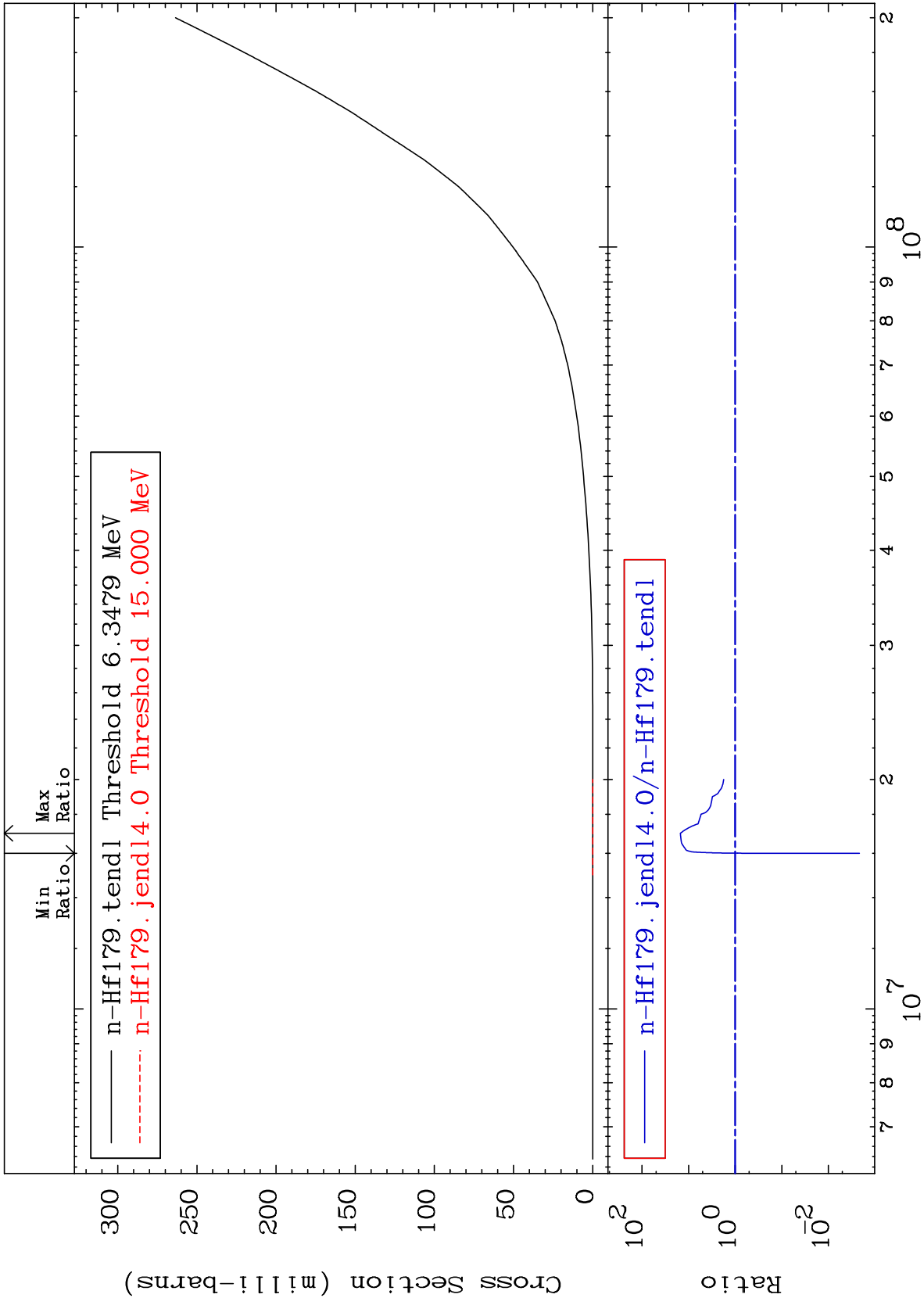
<sup>72</sup>Hf-<sup>179</sup>  
-100.0 To 3438. %



MAT 7240

He-3 Production  
Cross Section

<sup>72</sup>Hf-179  
-99.78 To 1402. %



47

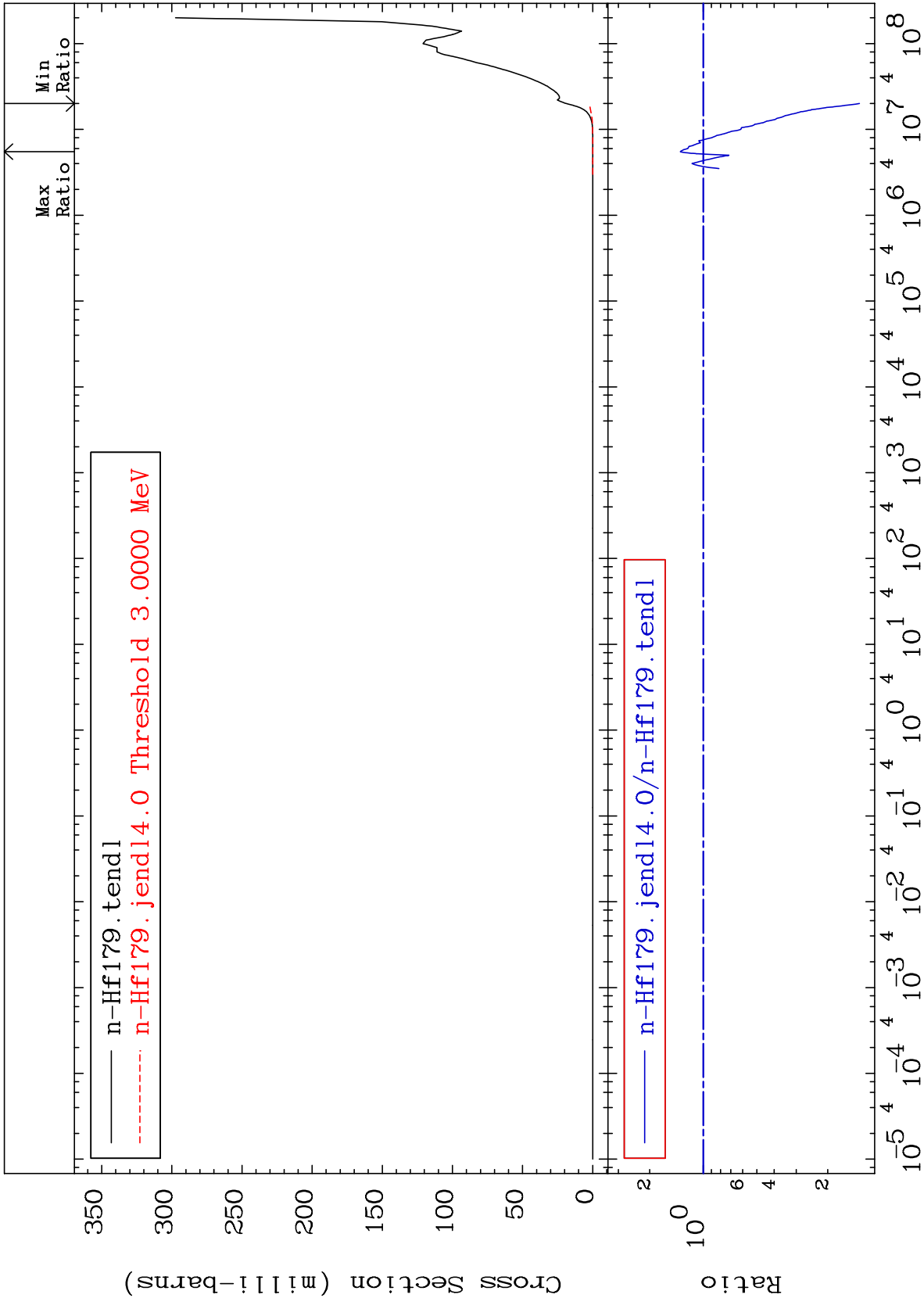
Incident Energy (eV)

<sup>72</sup>Hf-179

MAT 7240

He-4 Production  
Cross Section

$^{72}\text{Hf-179}$   
-86.74 To 34.48 %



48

Incident Energy (eV)

$^{72}\text{Hf-179}$

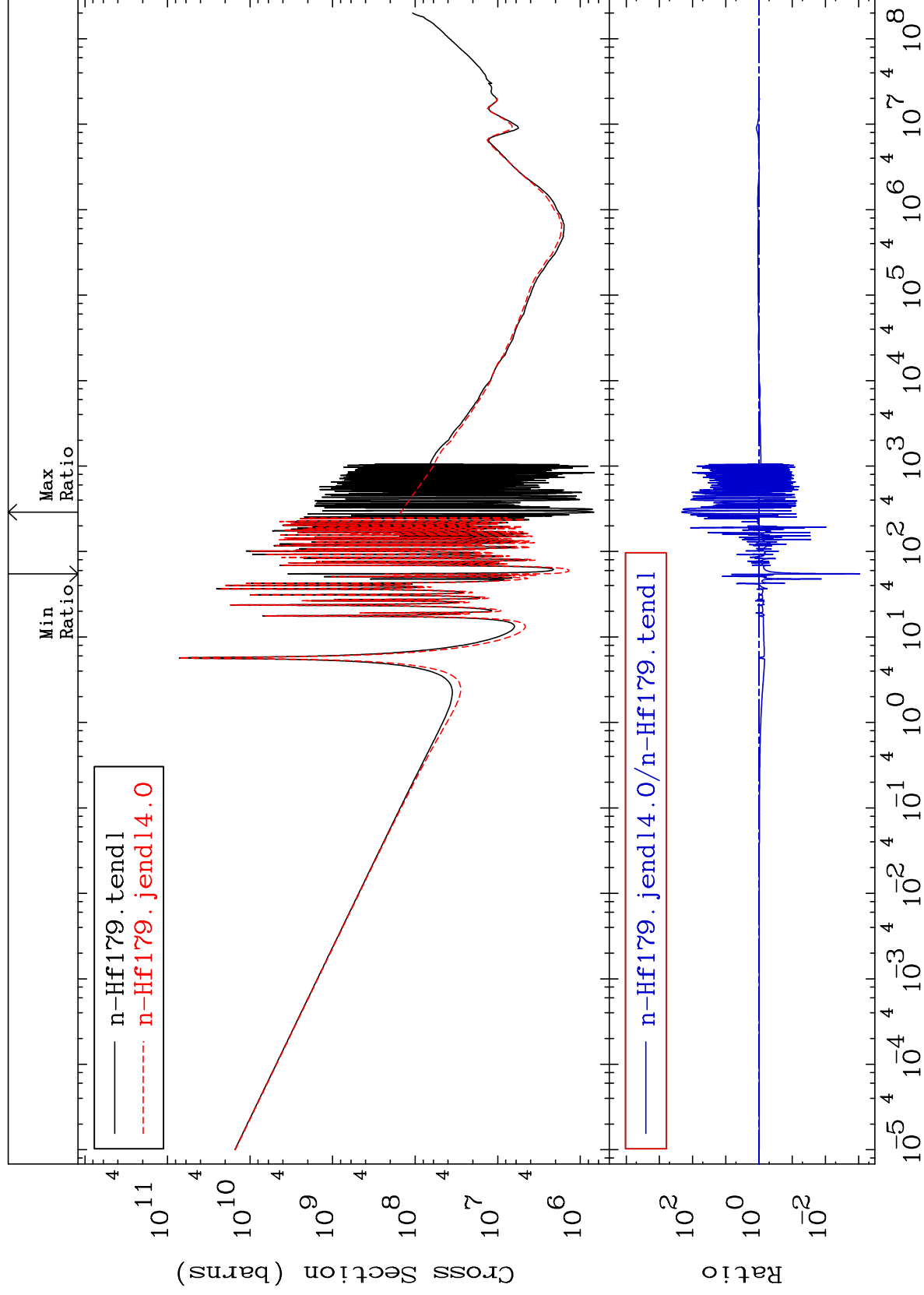
MAT 7240

Kerma total (eV-barns)

<sup>72</sup>Hf-179

-99.91 To 9999. %

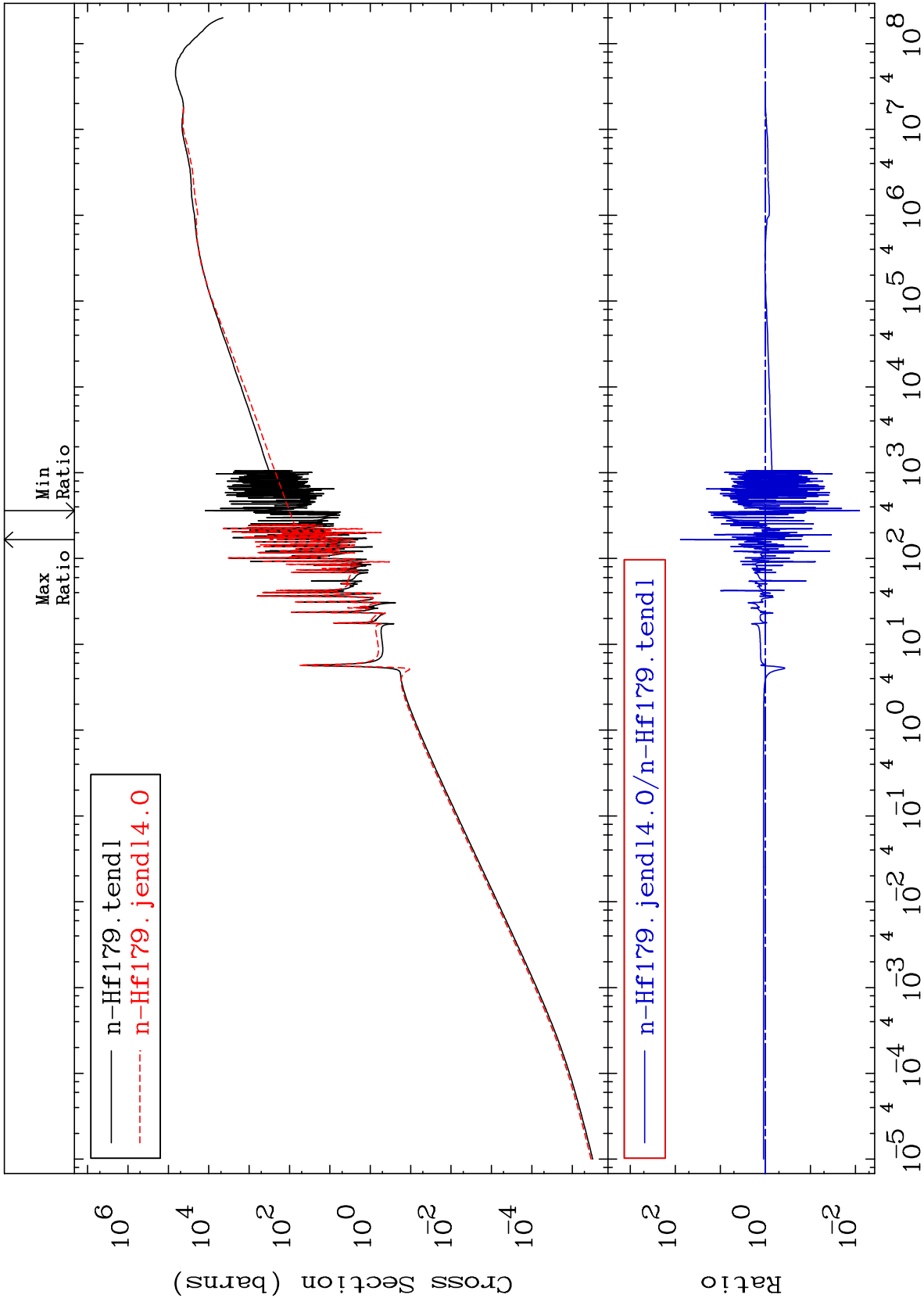
Cross Section



MAT 7240

Kerma elastic  
Cross Section

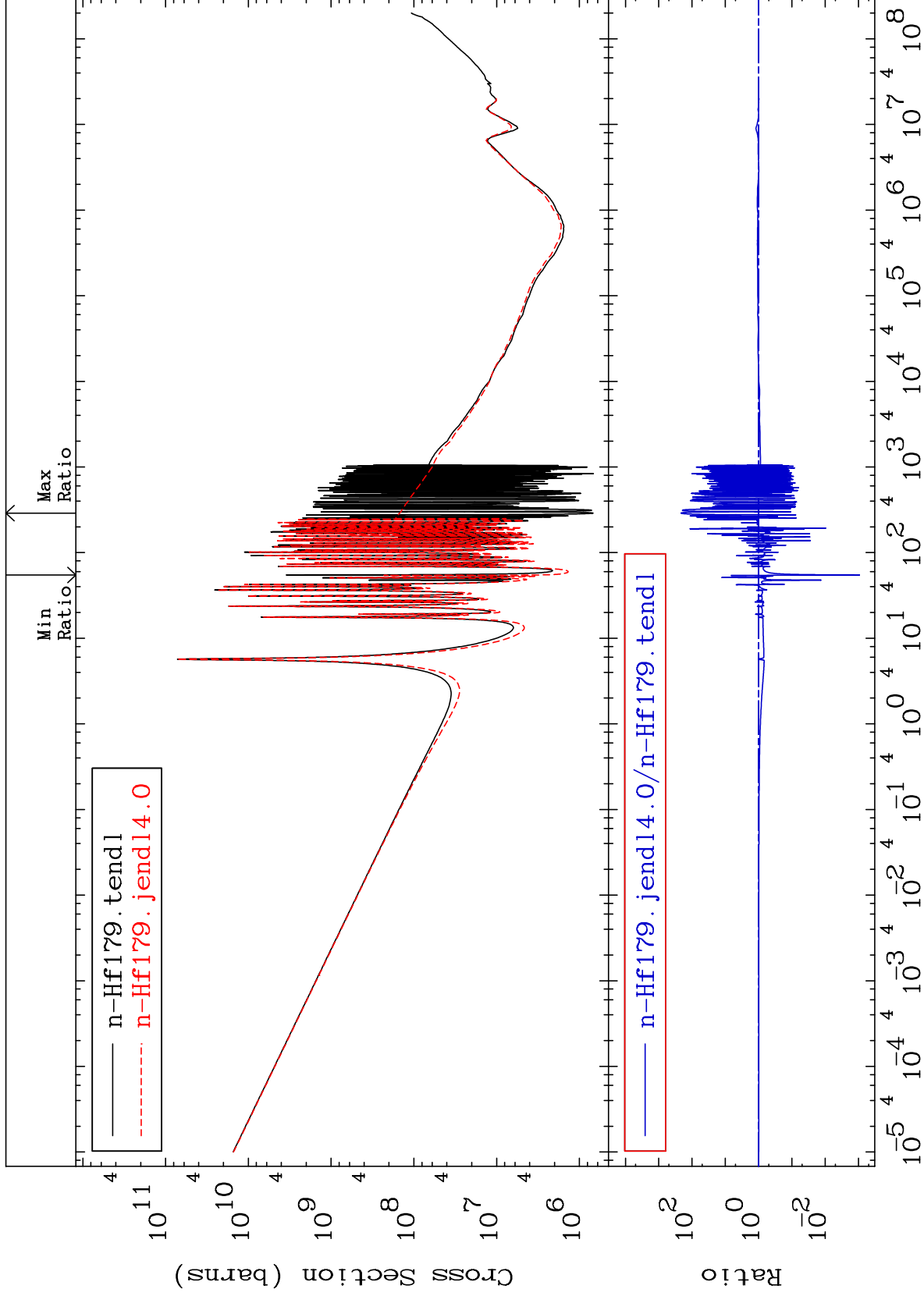
<sup>72</sup>Hf-179  
-99.18 To 7608. %



50

Incident Energy (eV)

<sup>72</sup>Hf-179



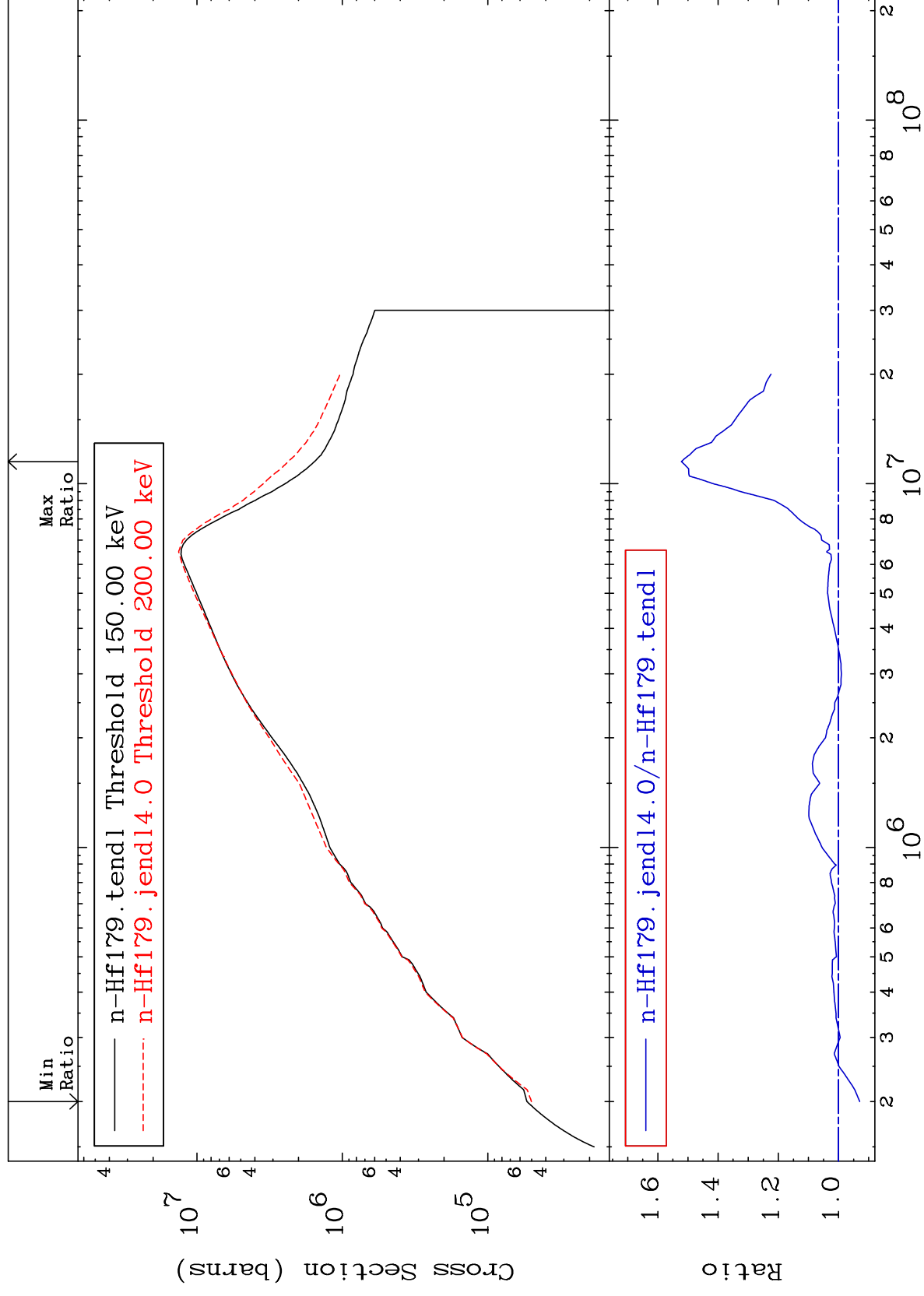
MAT 7240

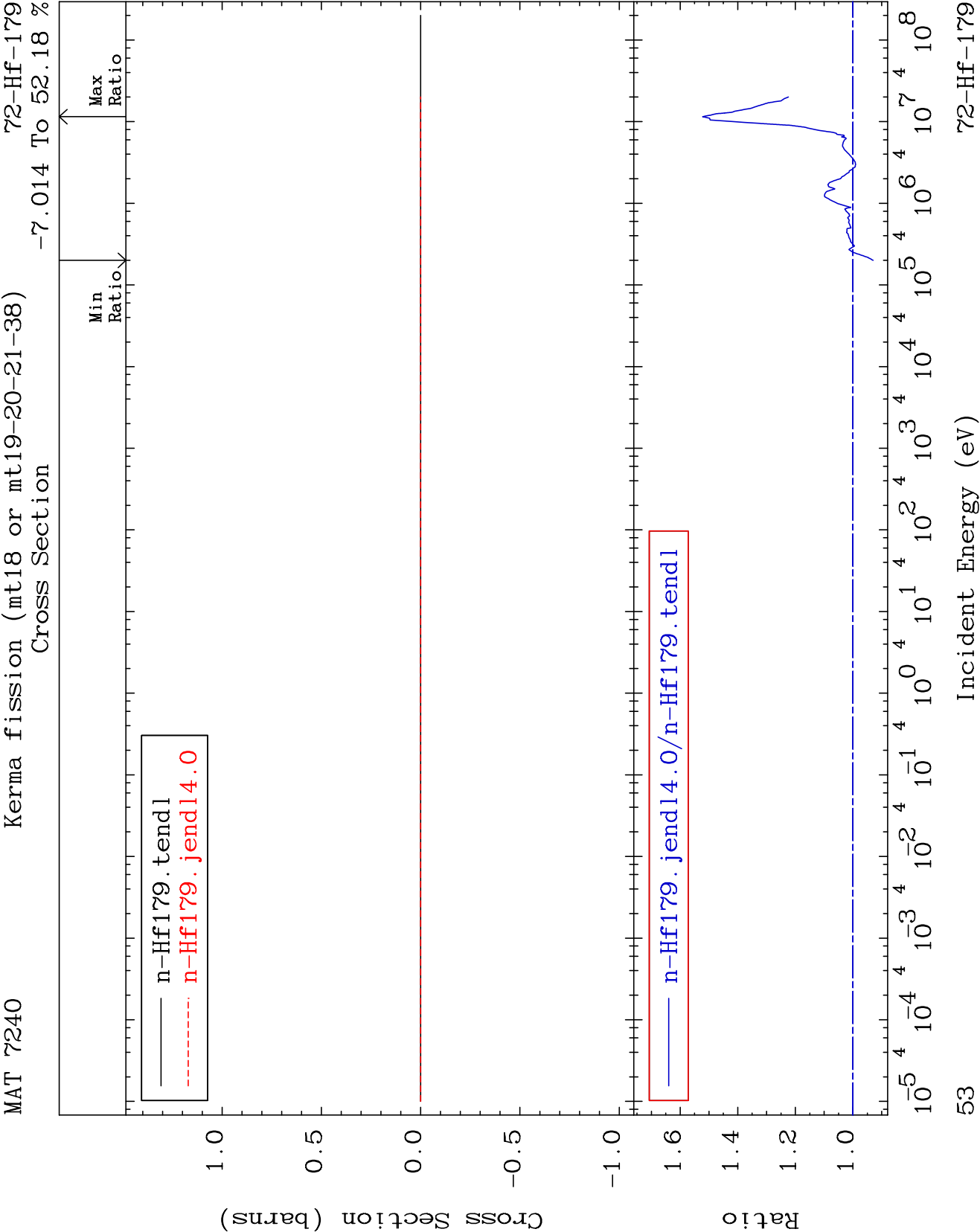
Kerma inelastic (mt51-91)

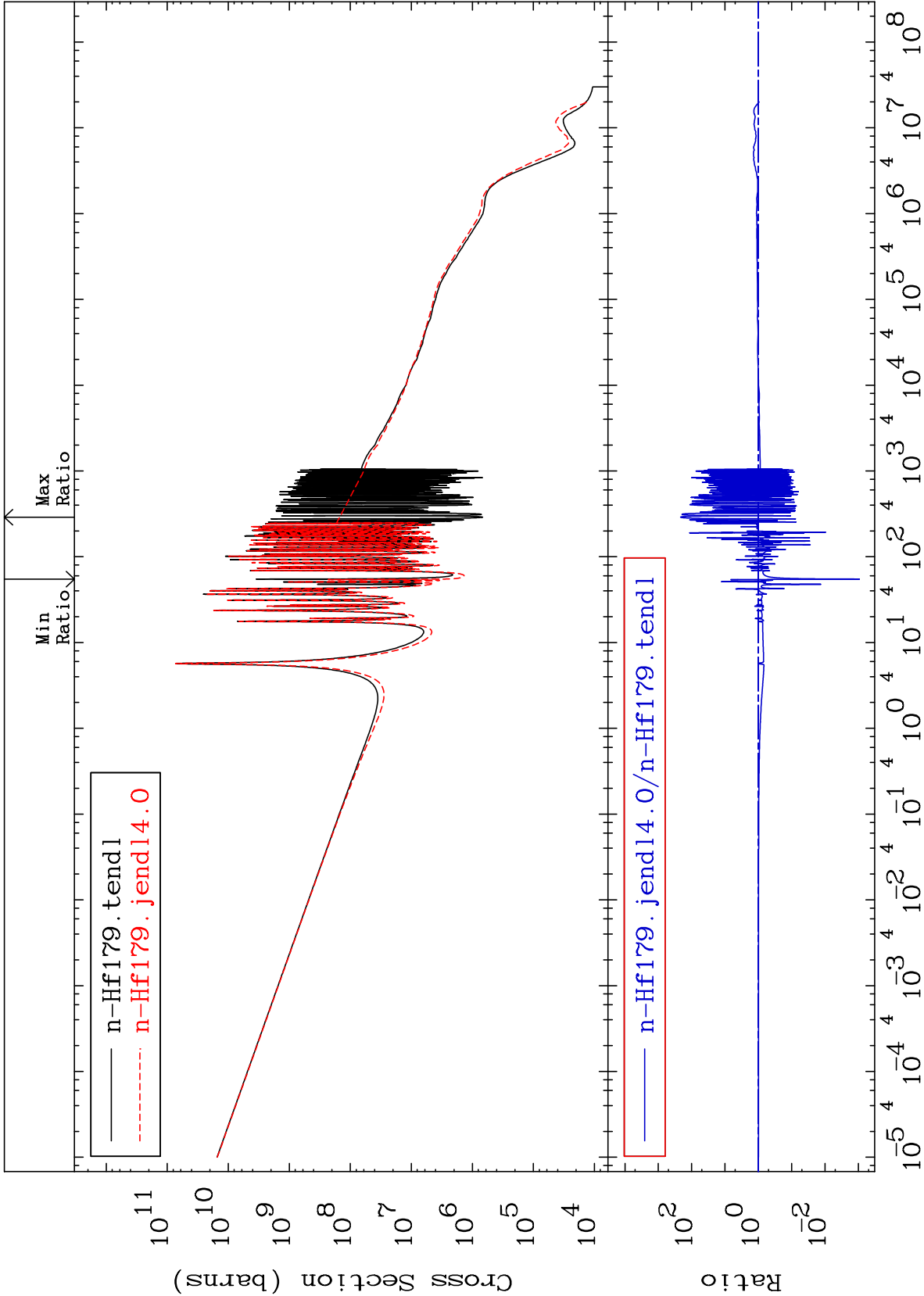
72-Hf-179

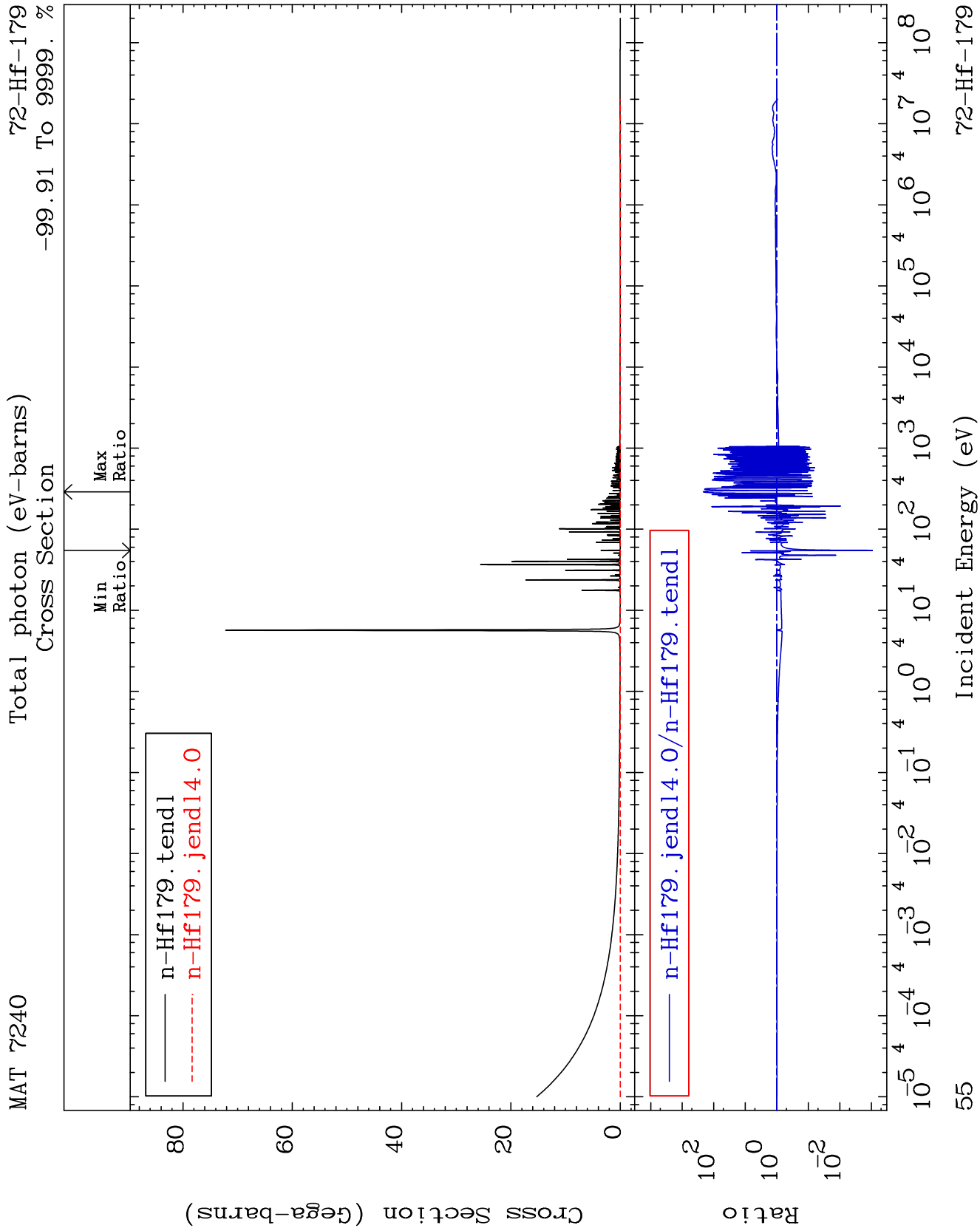
-7.014 To 52.18 %

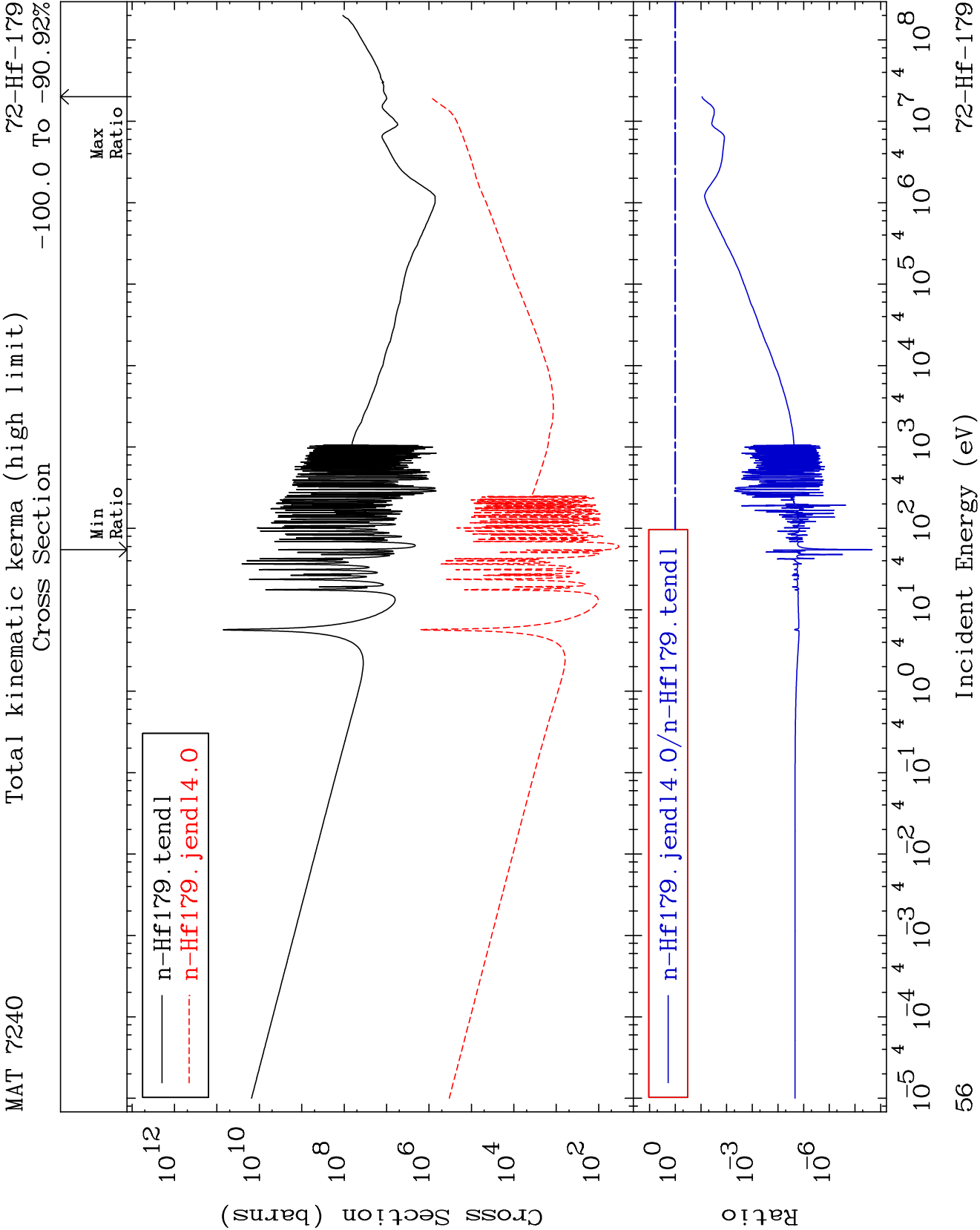
## Cross Section











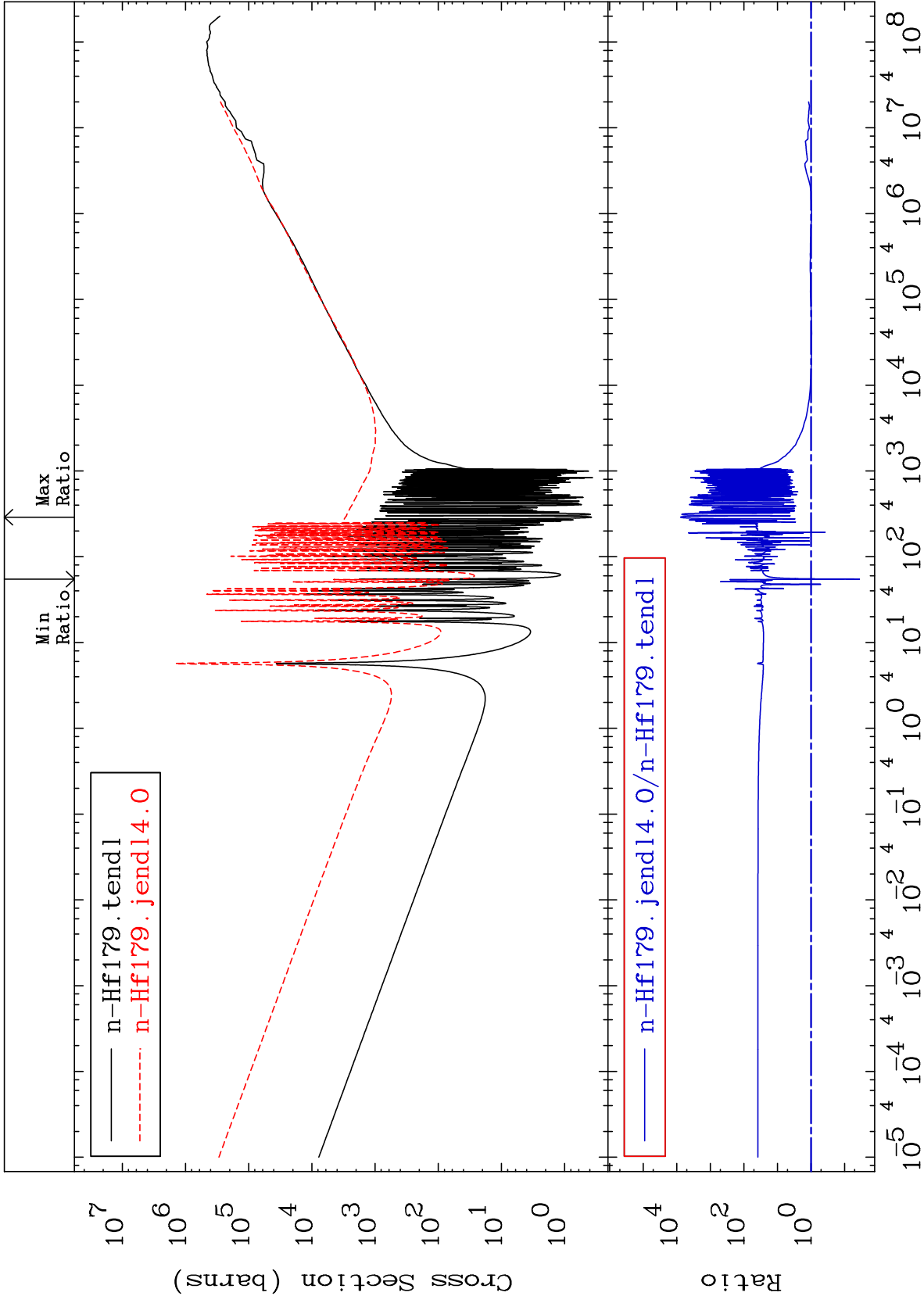
MAT 7240

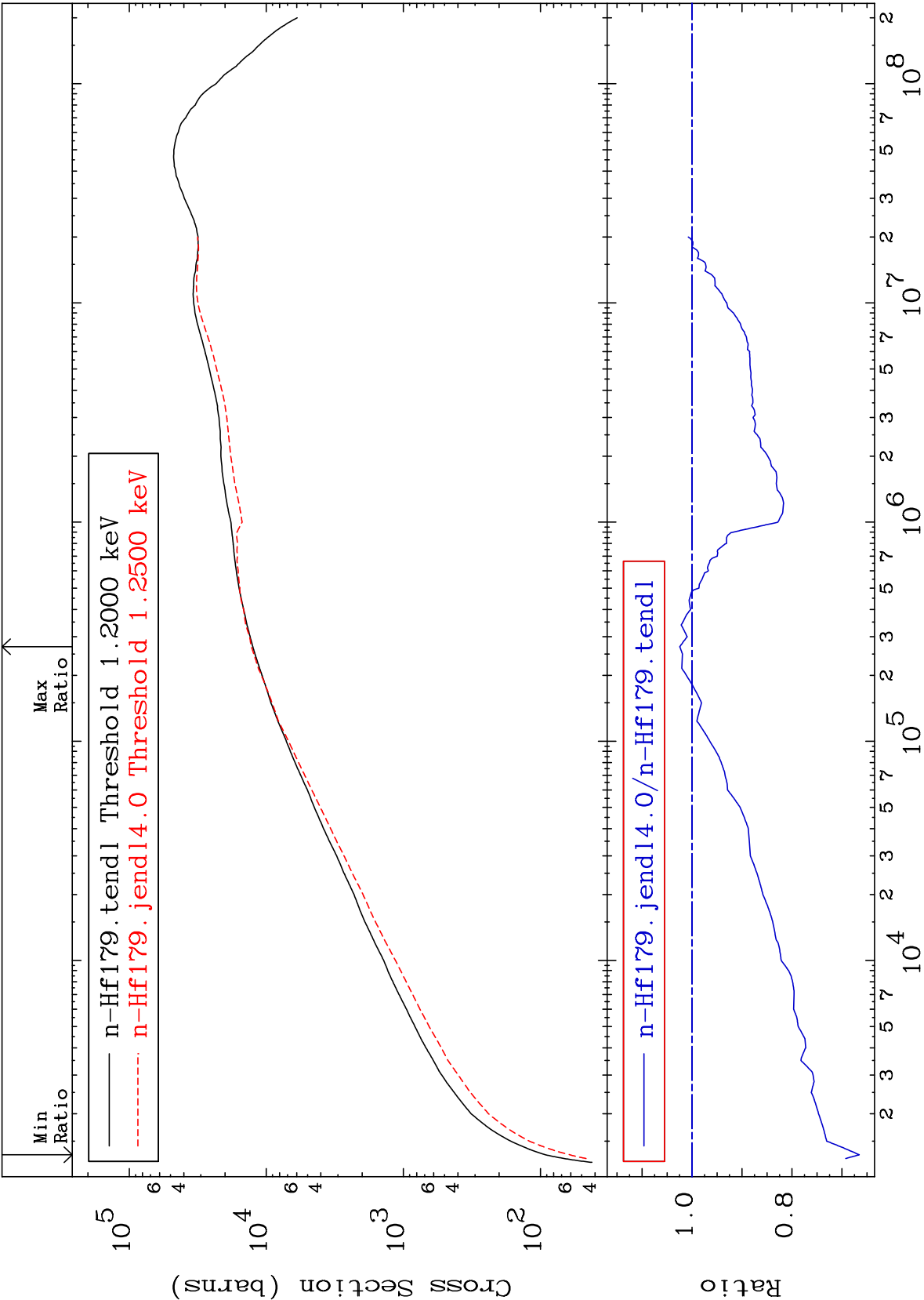
Dpa total (eV-barns)

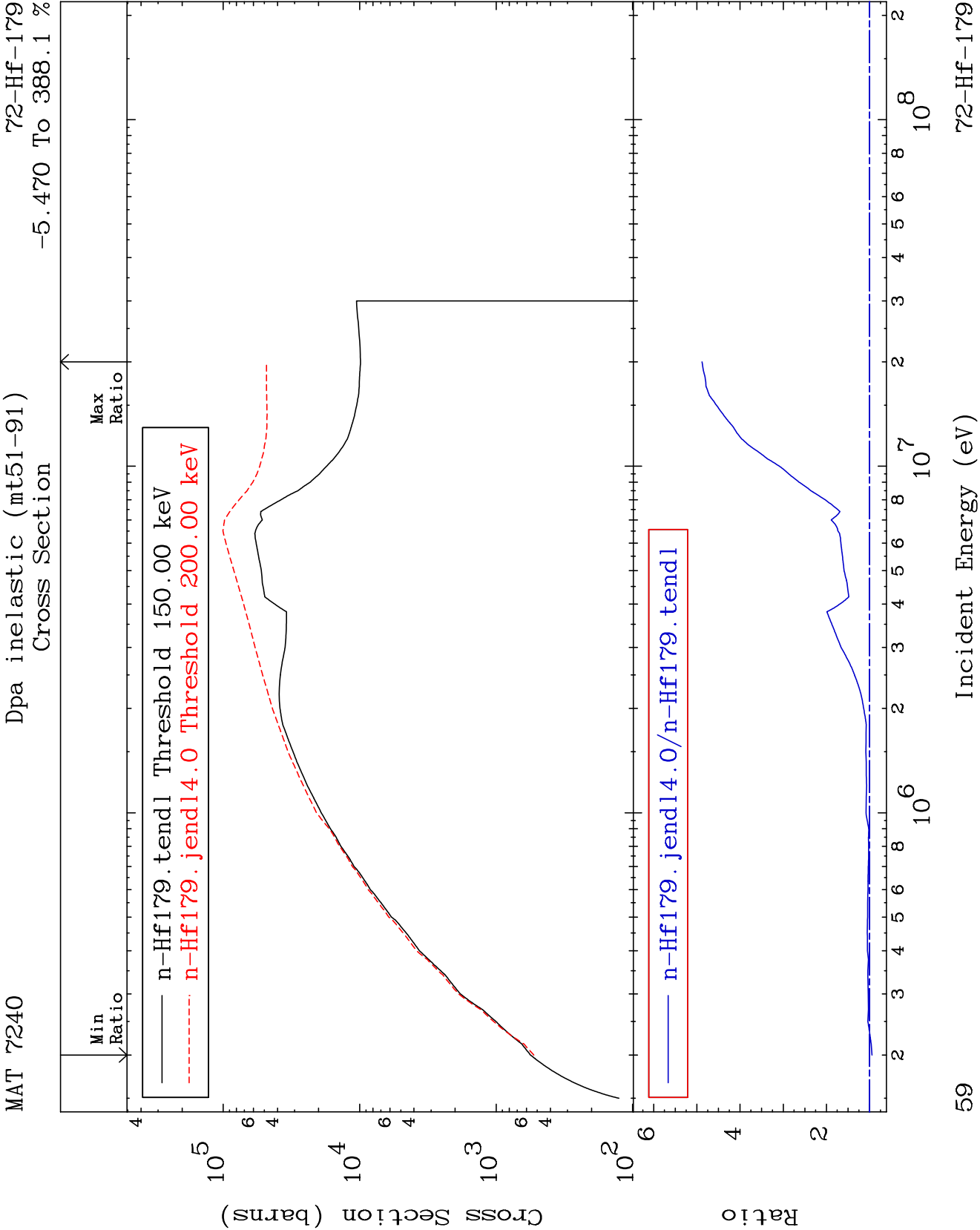
<sup>72</sup>Hf-<sup>179</sup>

-96.39 To 9999. %

Cross Section







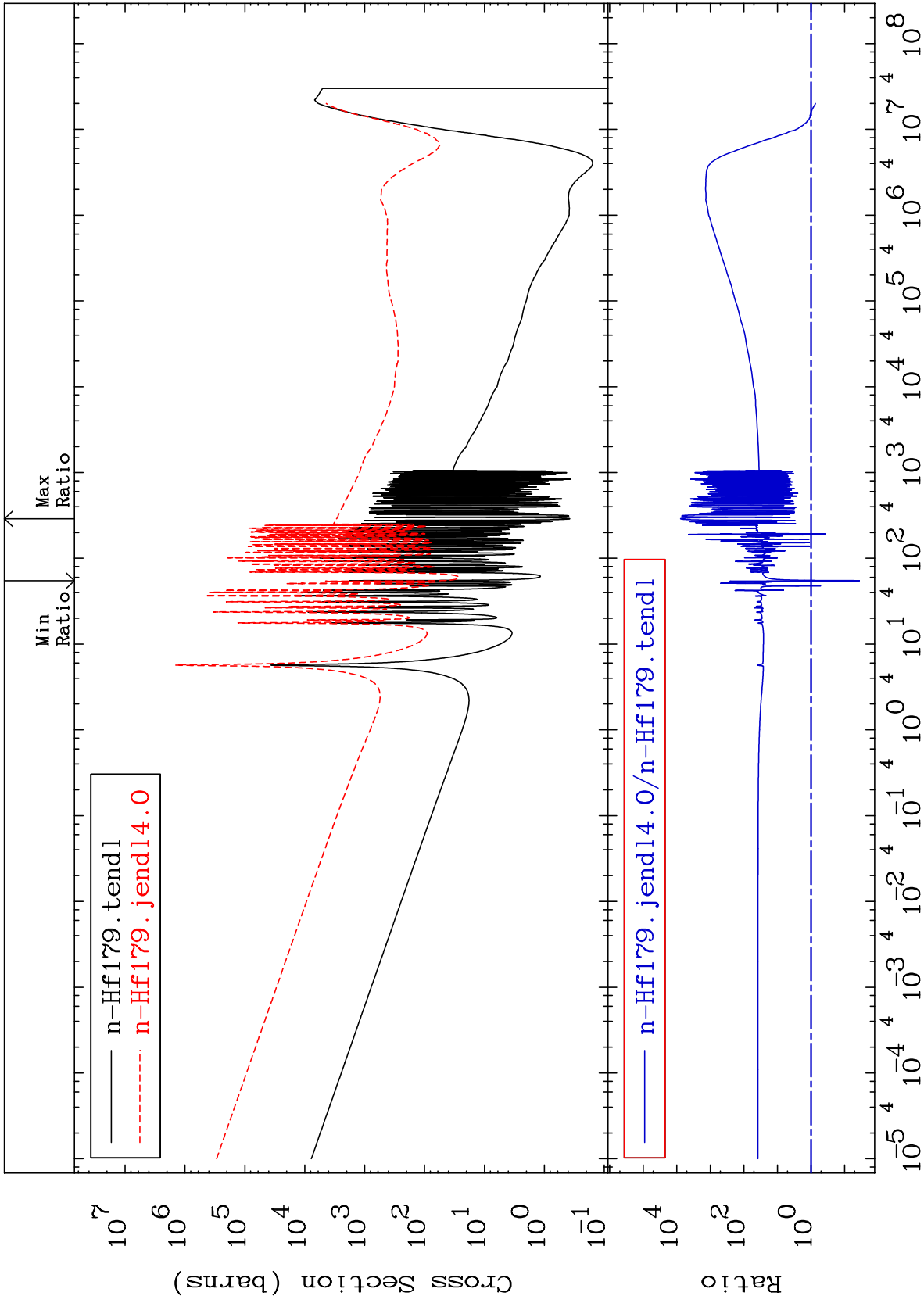
MAT 7240

Dpa disappearance (mt102 -120)

72-Hf-179

-96.39 To 9999. %

Cross Section



60

Incident Energy (eV)

72-Hf-179