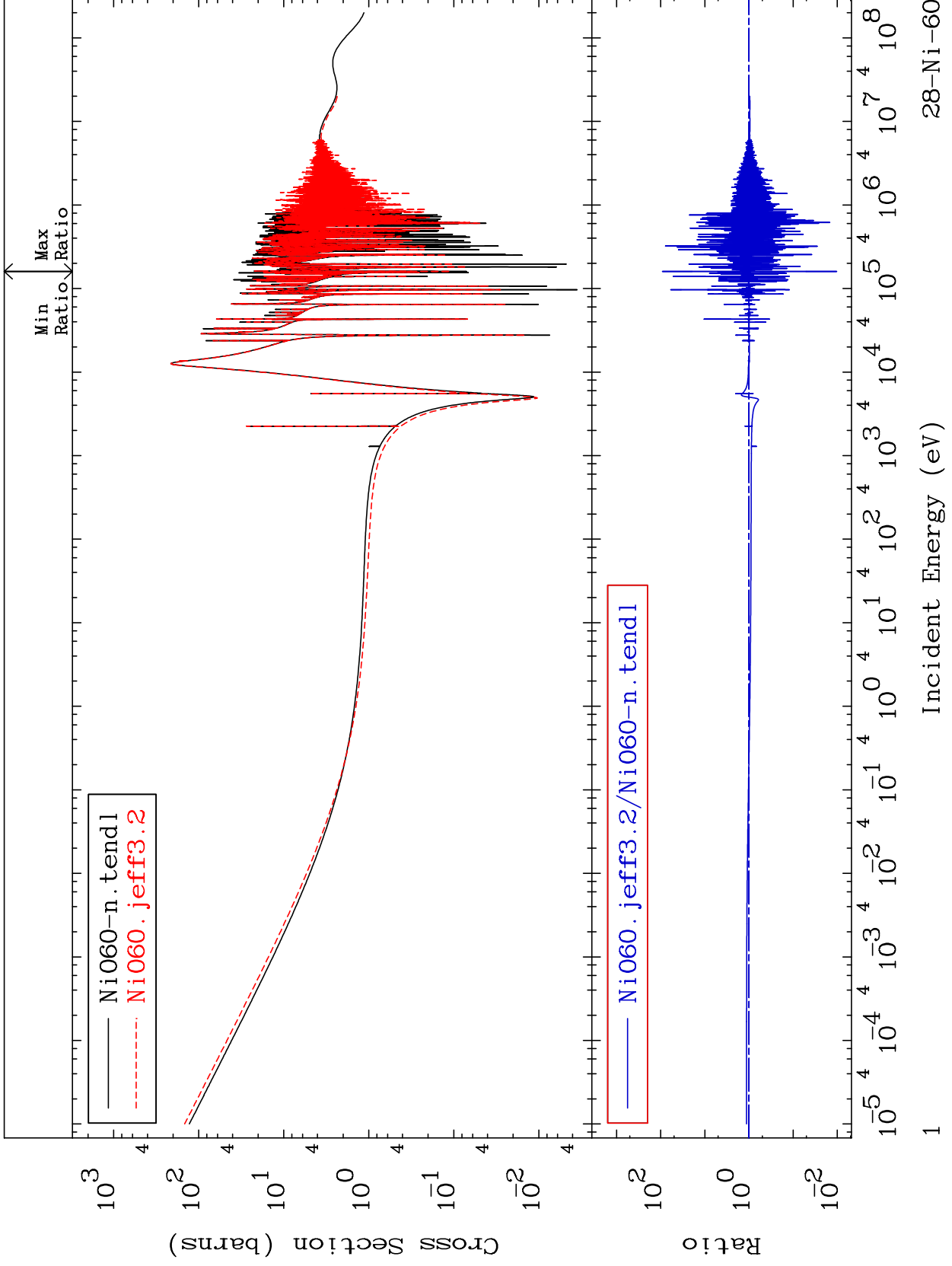


MAT 2831

Total  
Cross Section

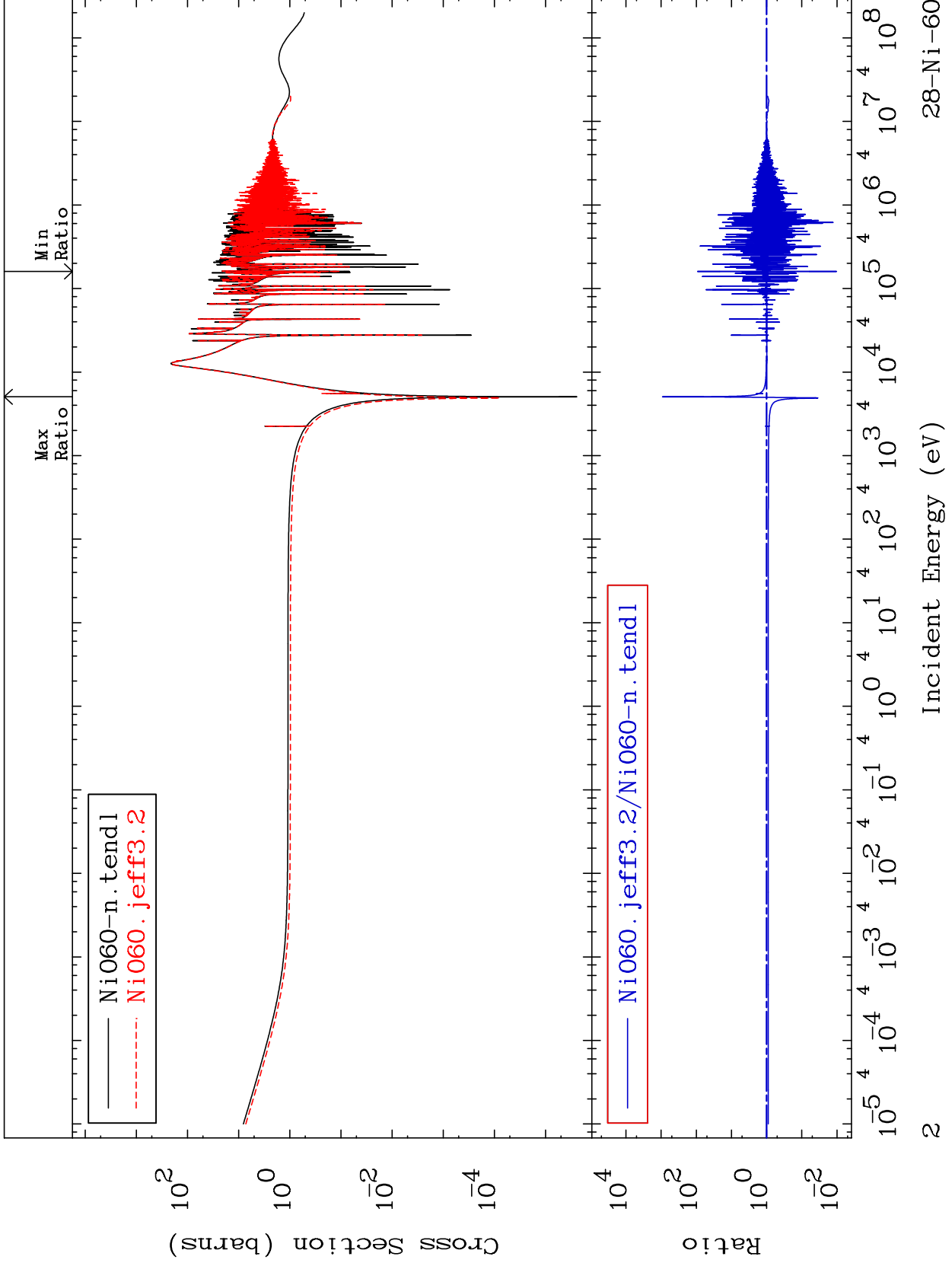
28-Ni-60  
-98.97 To 9107. %



MAT 2831

Elastic  
Cross Section

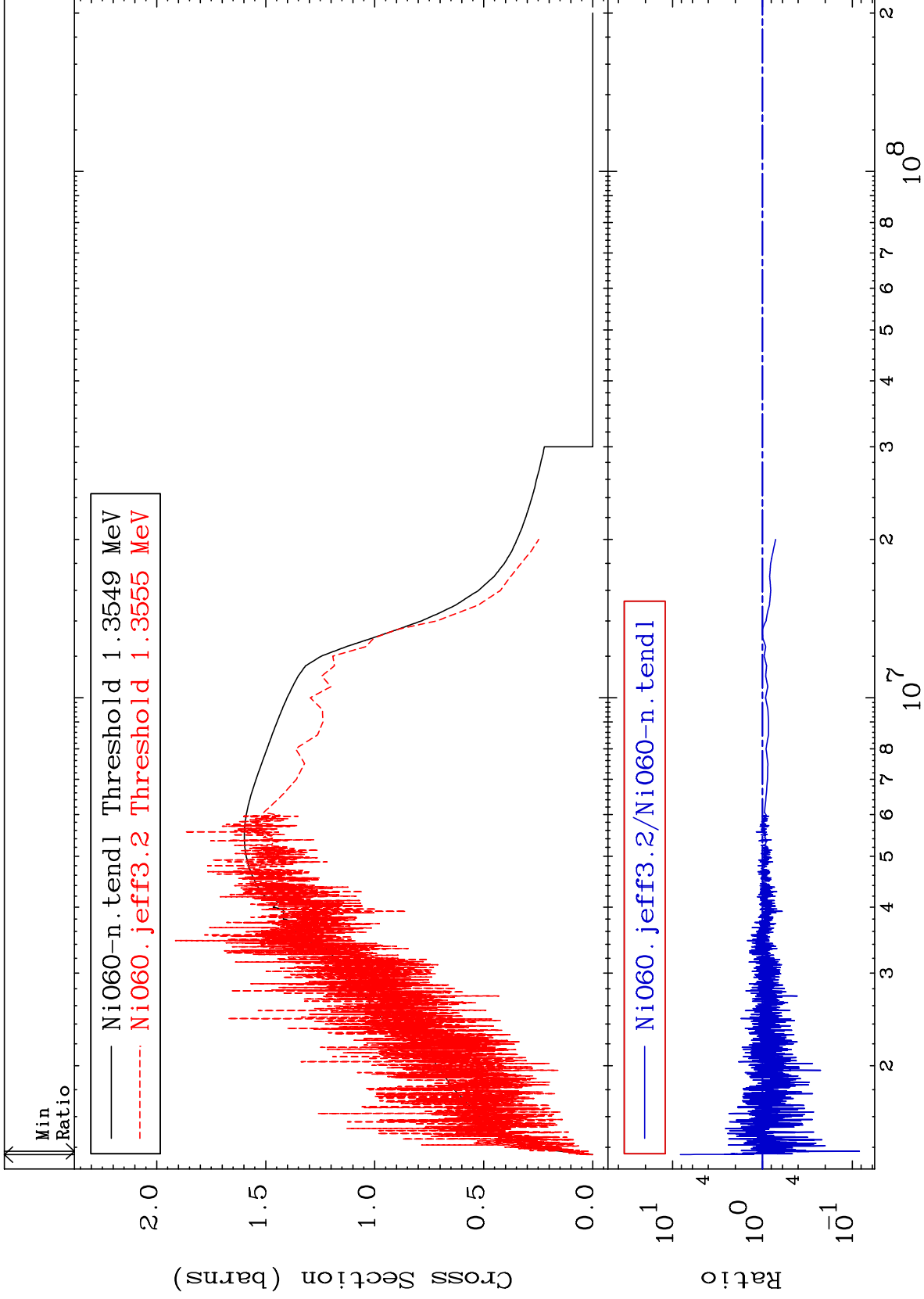
28-Ni-60  
-98.98 To 9999. %



MAT 2831

Inelastic  
Cross Section

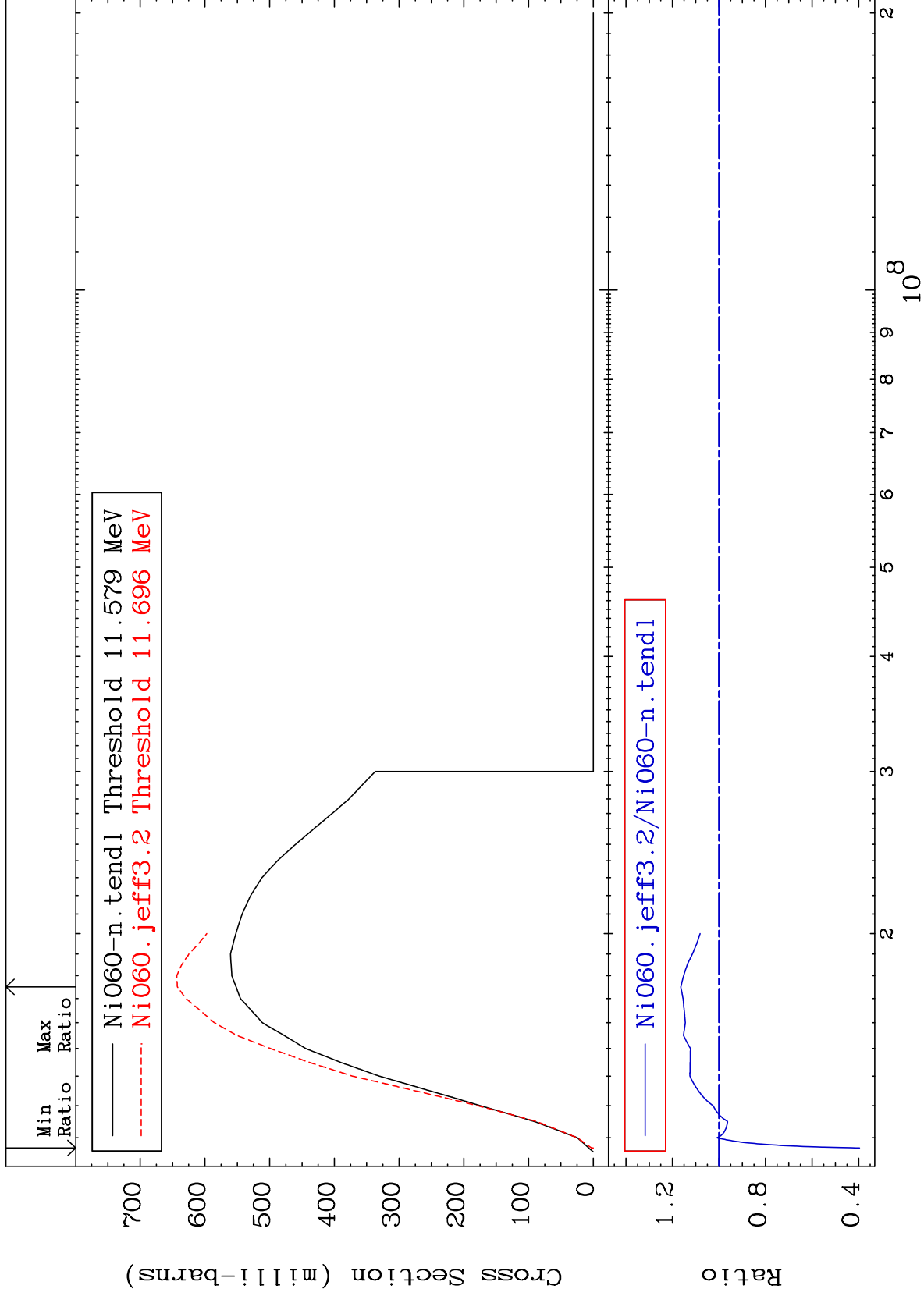
28-Ni-60  
-91.67 To 719.1 %



MAT 2831

(n,2n)  
Cross Section

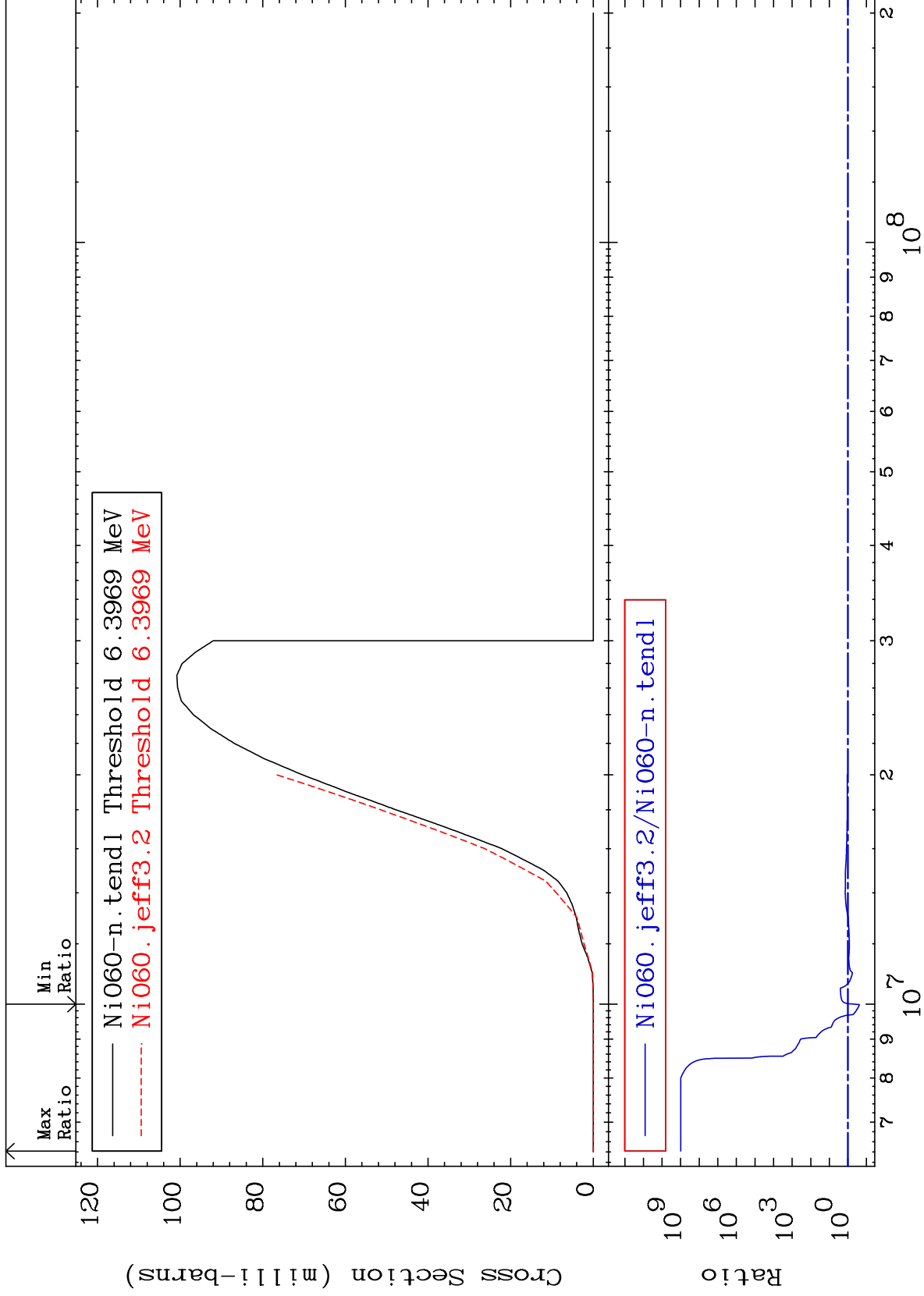
28-Ni-60  
-60.40 To 16.44 %



MAT 2831

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

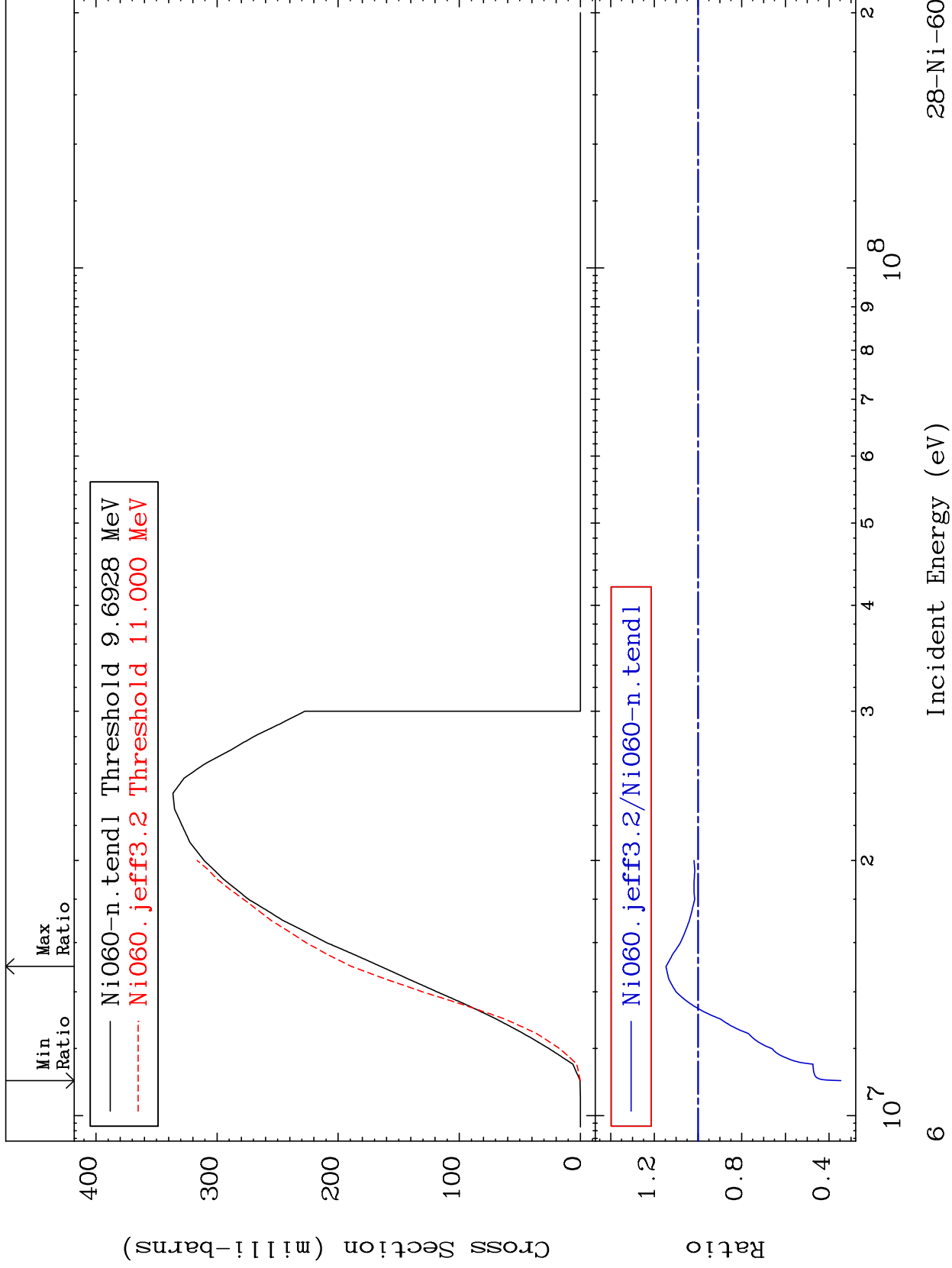
28-Ni-60  
-76.34 To 9999. %



MAT 2831

(n,n') p  
Cross Section

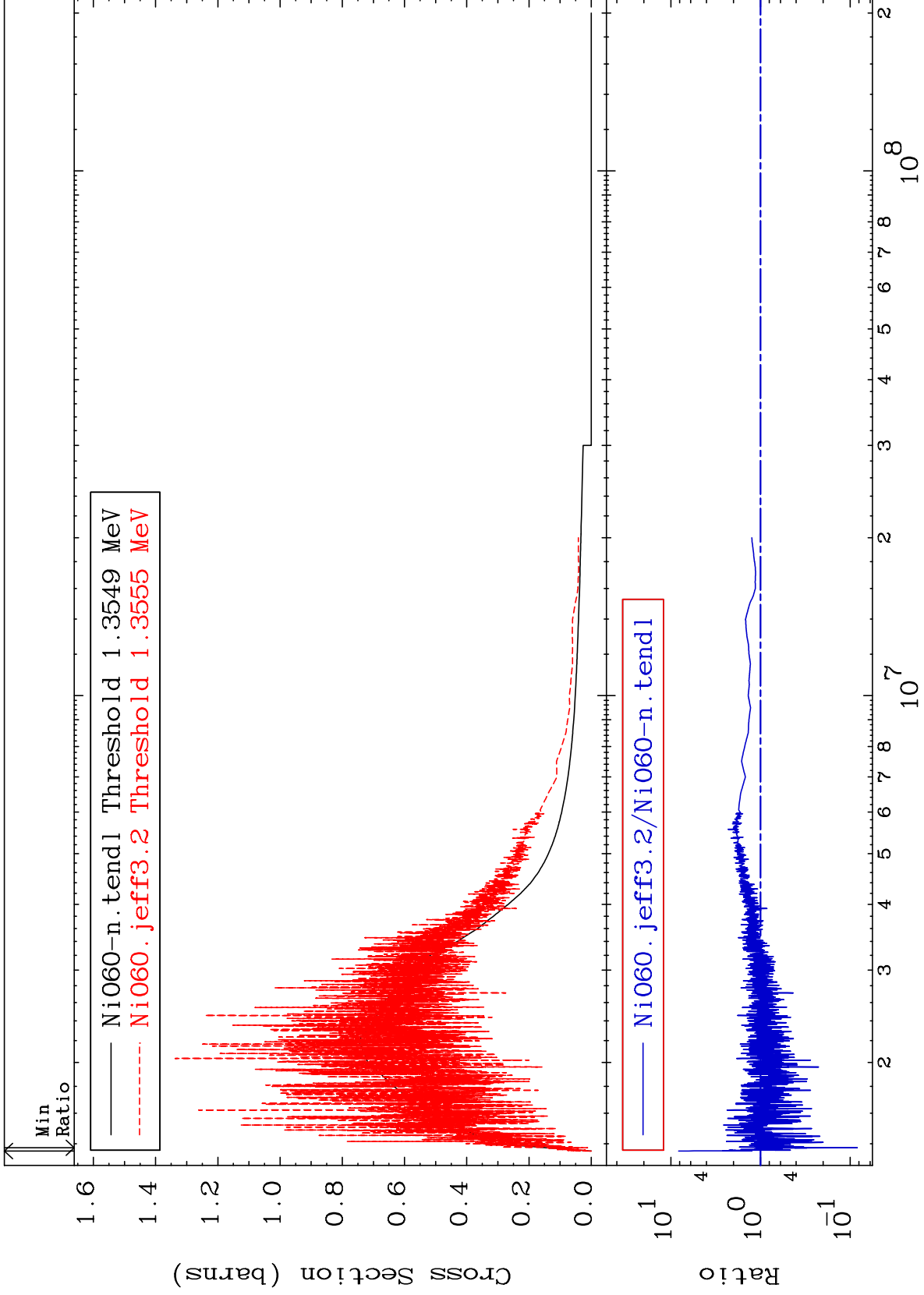
28-Ni-60  
-65.38 To 14.68 %



MAT 2831

1.333 MeV (n,n') Level  
Cross Section

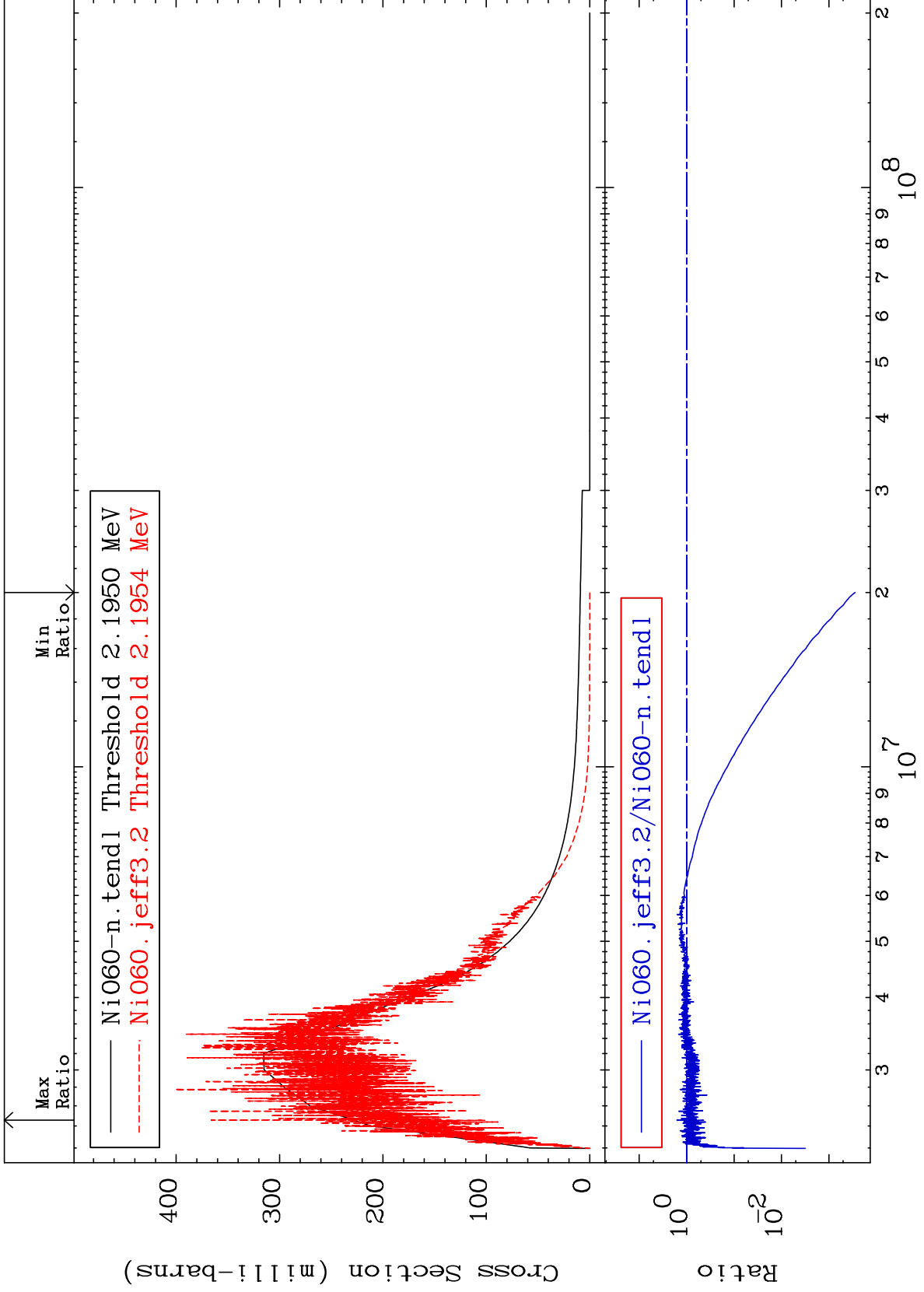
28-Ni-60  
-91.67 To 719.1 %



MAT 2831

2.159 MeV (n,n') Level  
Cross Section

28-Ni-60  
-99.97 To 60.29 %

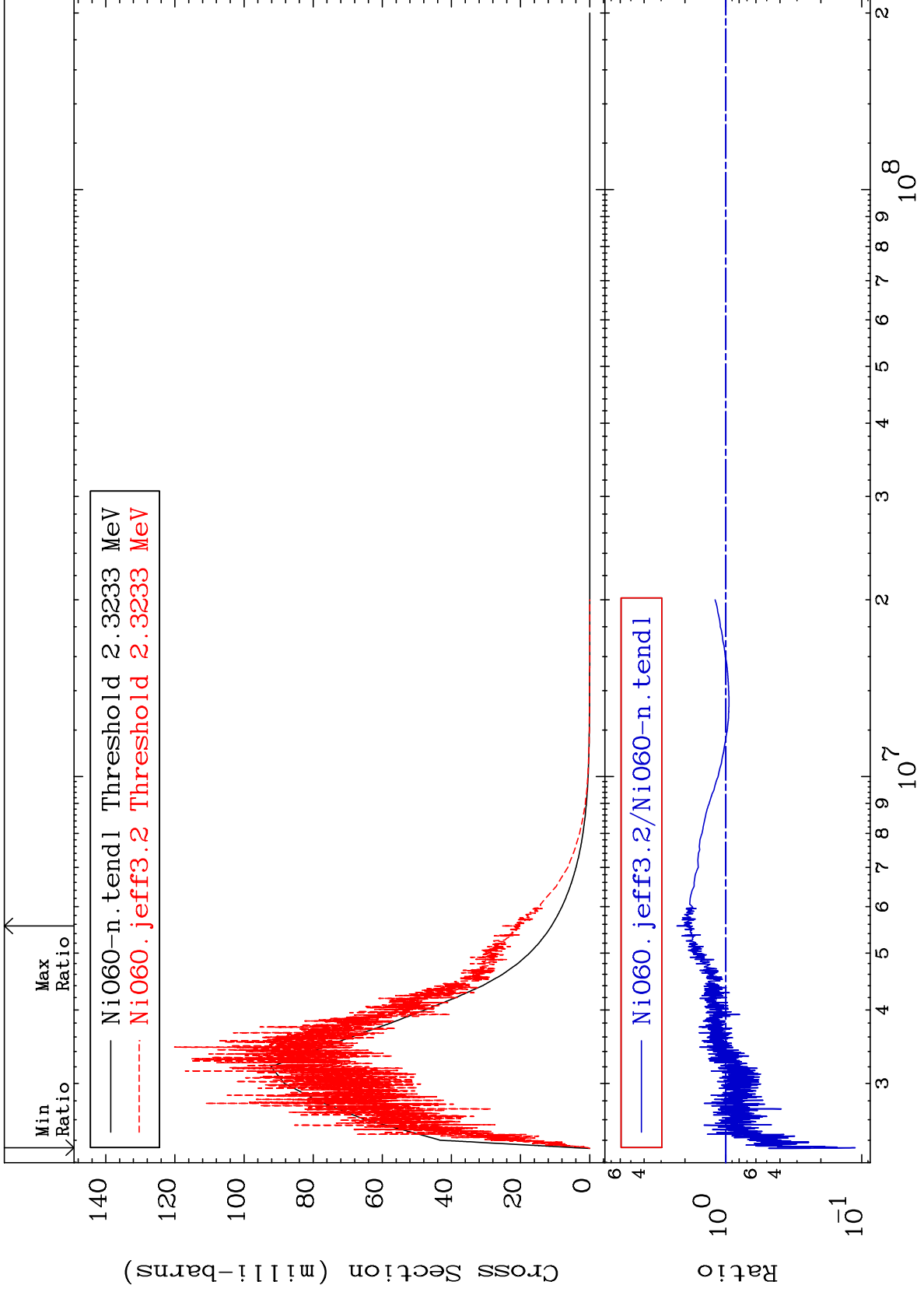




MAT 2831

2.285 MeV (n,n') Level  
Cross Section

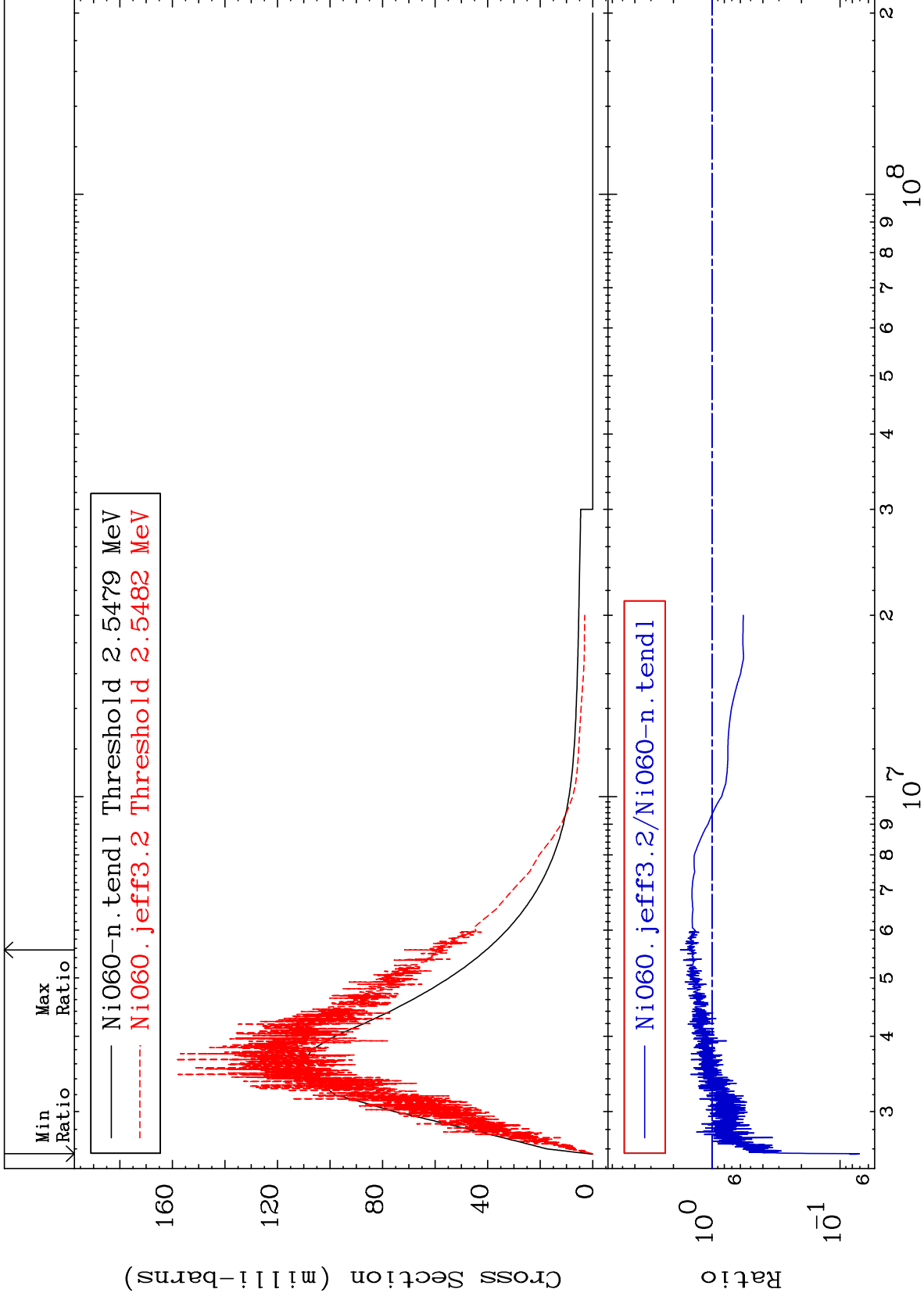
28-Ni-60  
-88.81 To 129.3 %



MAT 2831

2.506 MeV (n,n') Level  
Cross Section

28-Ni-60  
-92.95 To 76.63 %



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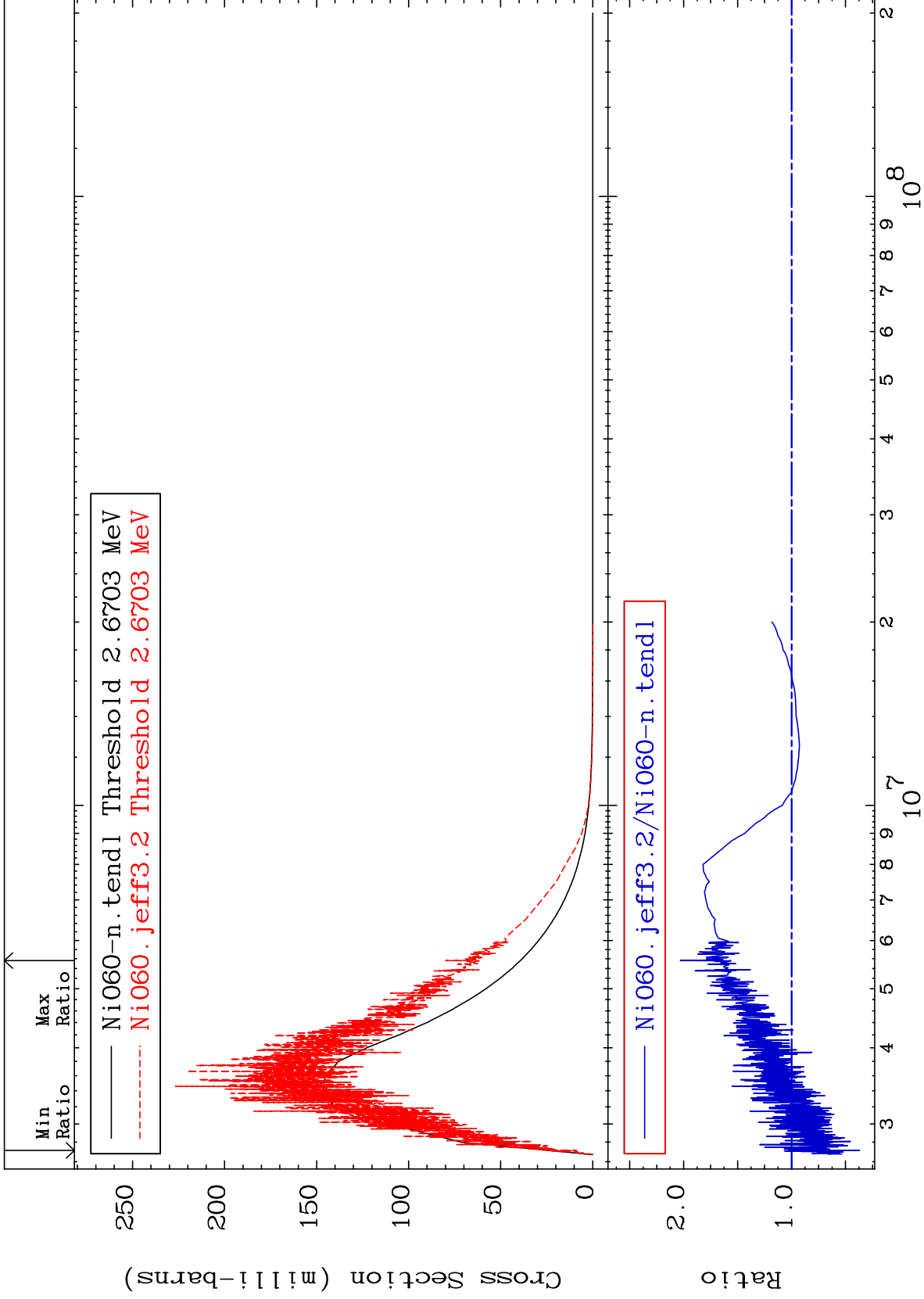
Incident Energy (eV)

28-Ni-60

MAT 2831

2.626 MeV (n,n') Level  
Cross Section

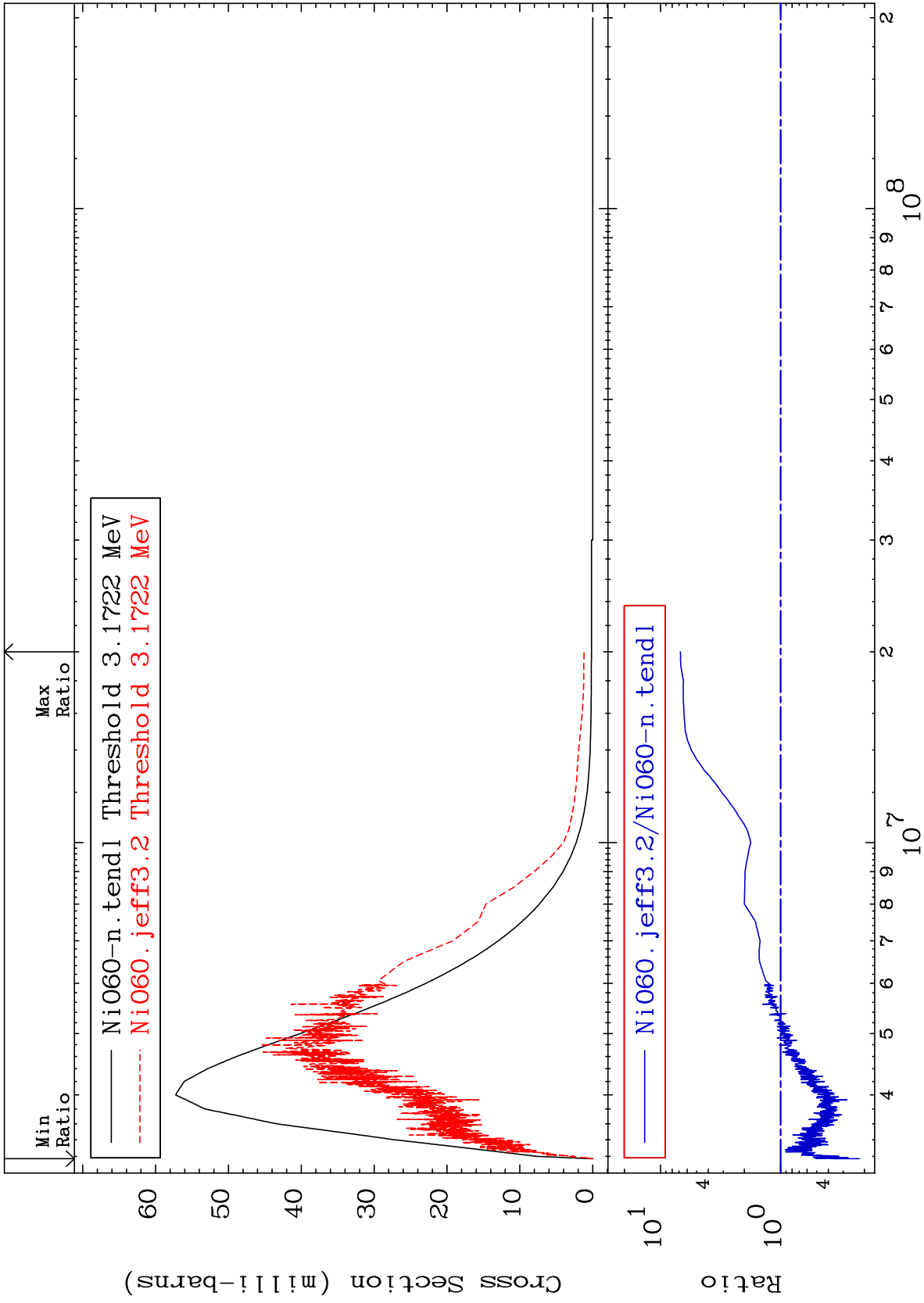
28-Ni-60  
-62.91 To 103.1 %



MAT 2831

3.120 MeV (n,n') Level  
Cross Section

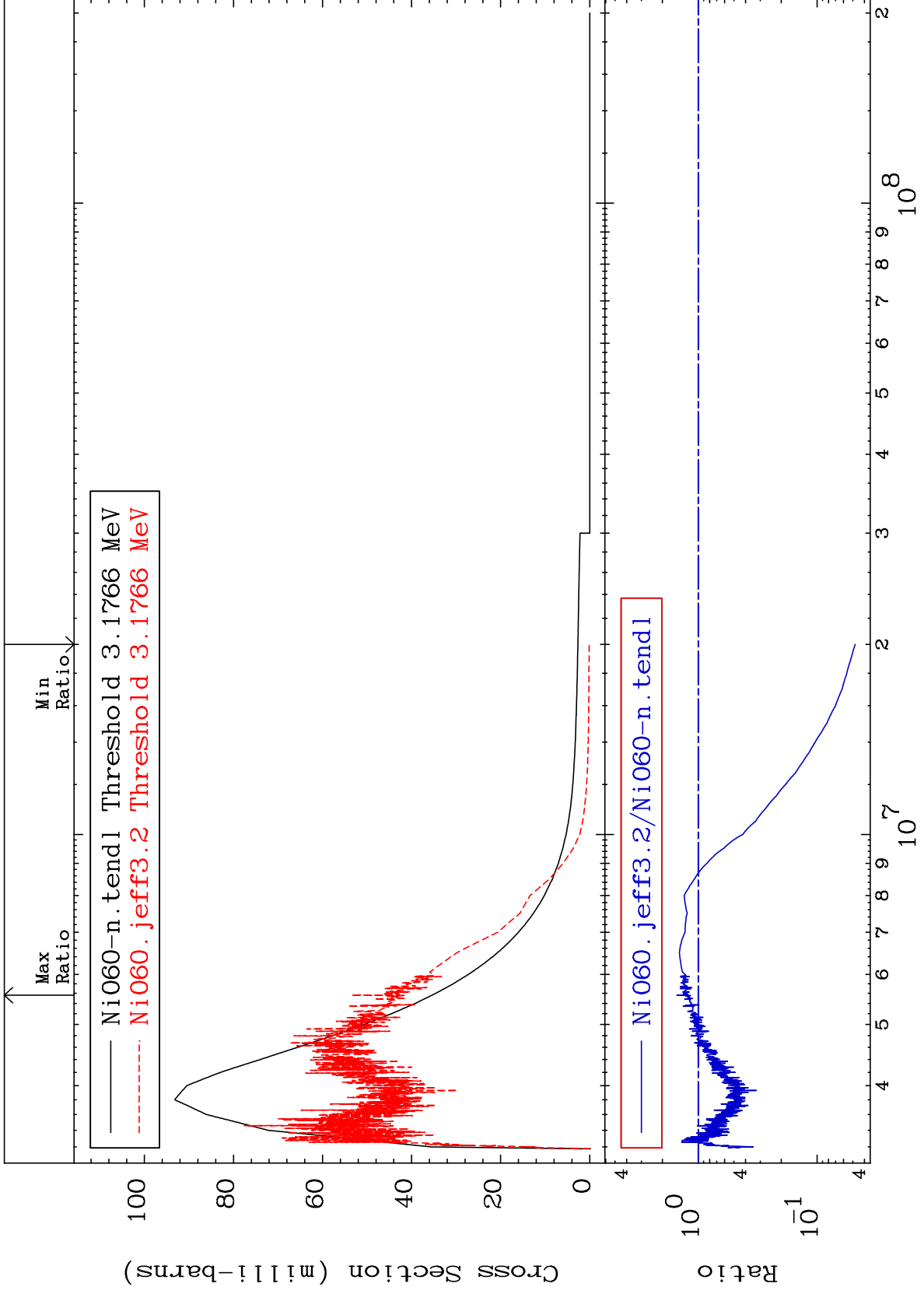
28-Ni-60  
-78.00 To 583.4 %



MAT 2831

3.124 MeV (n,n') Level  
Cross Section

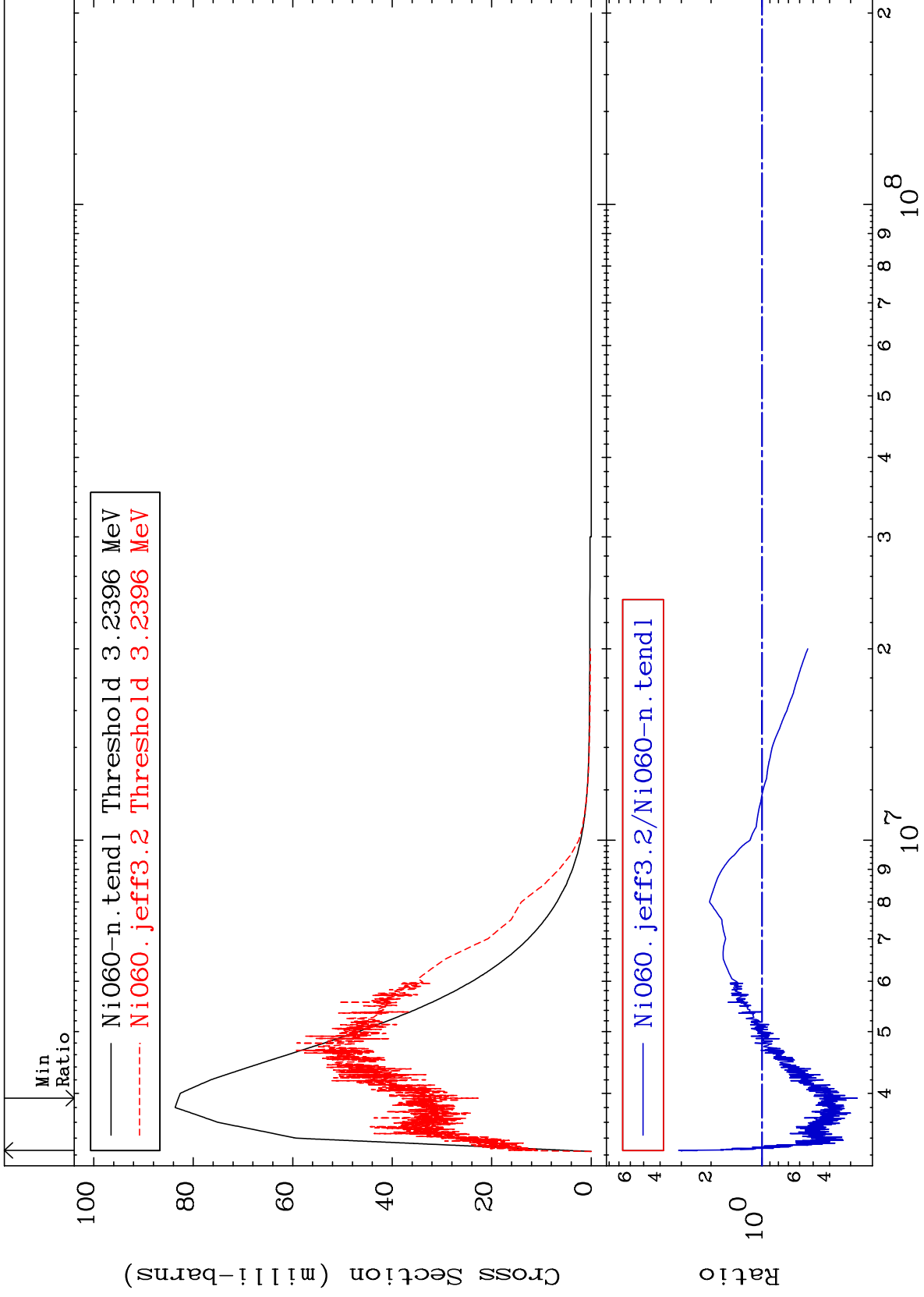
28-Ni-60  
-95.21 To 51.00 %



MAT 2831

3.186 MeV (n,n') Level  
Cross Section

28-Ni-60  
-72.57 To 210.9 %



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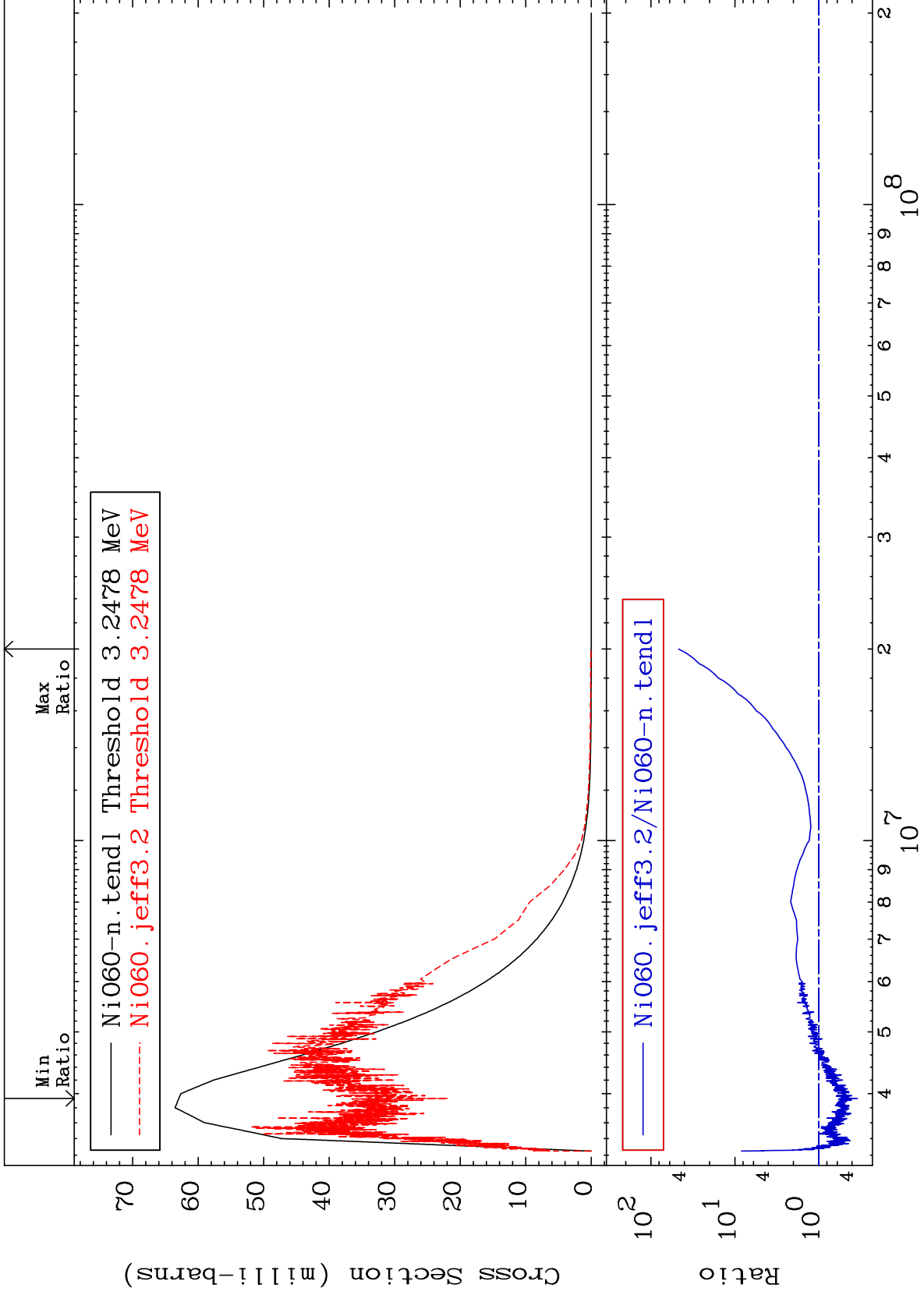
28-Ni-60

28-Ni-60

MAT 2831

3.194 MeV (n,n') Level  
Cross Section

28-Ni-60  
-65.27 To 4584. %



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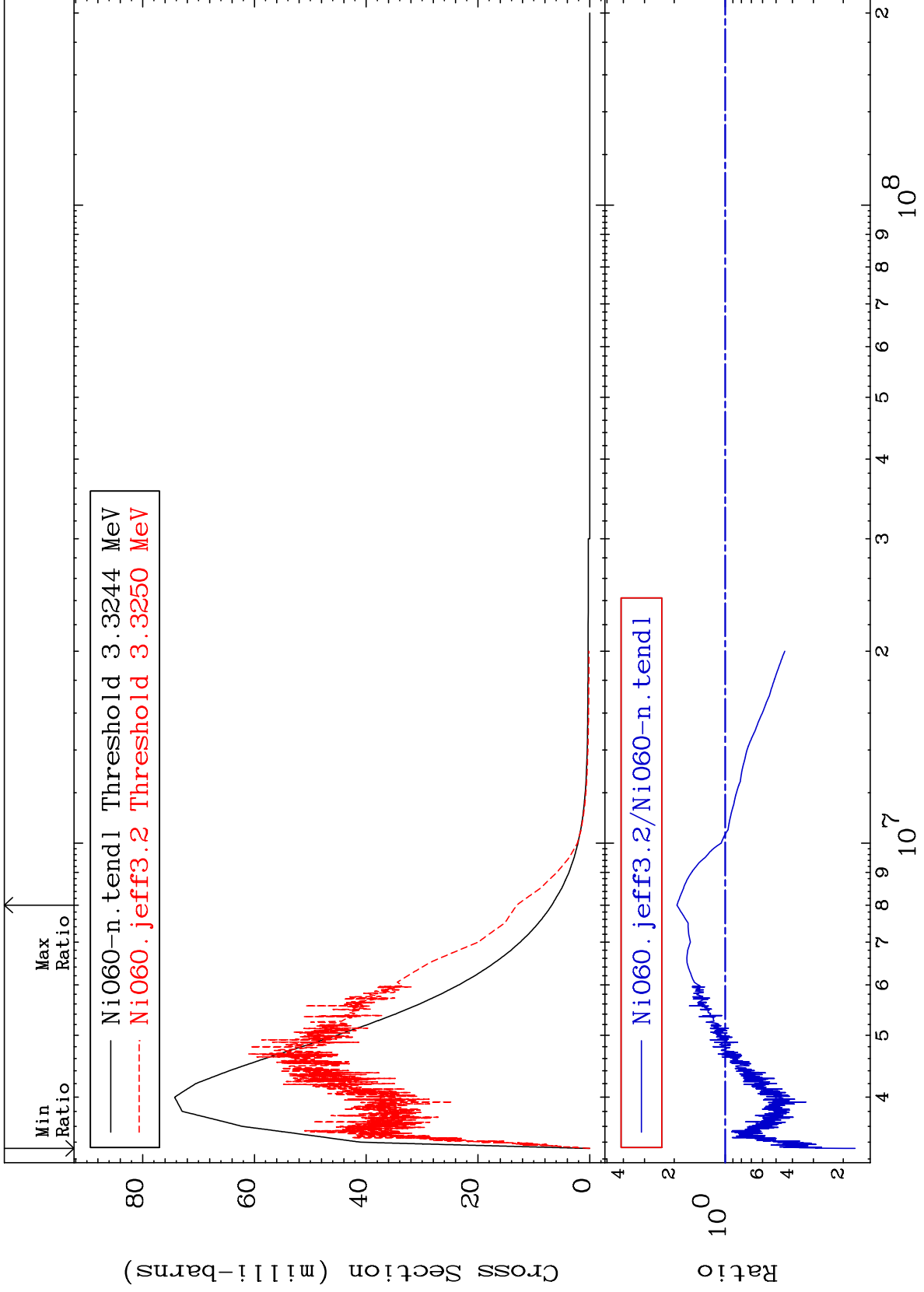
Incident Energy (eV)

28-Ni-60

MAT 2831

3.269 MeV (n,n') Level  
Cross Section

28-Ni-60  
-82.99 To 92.87 %

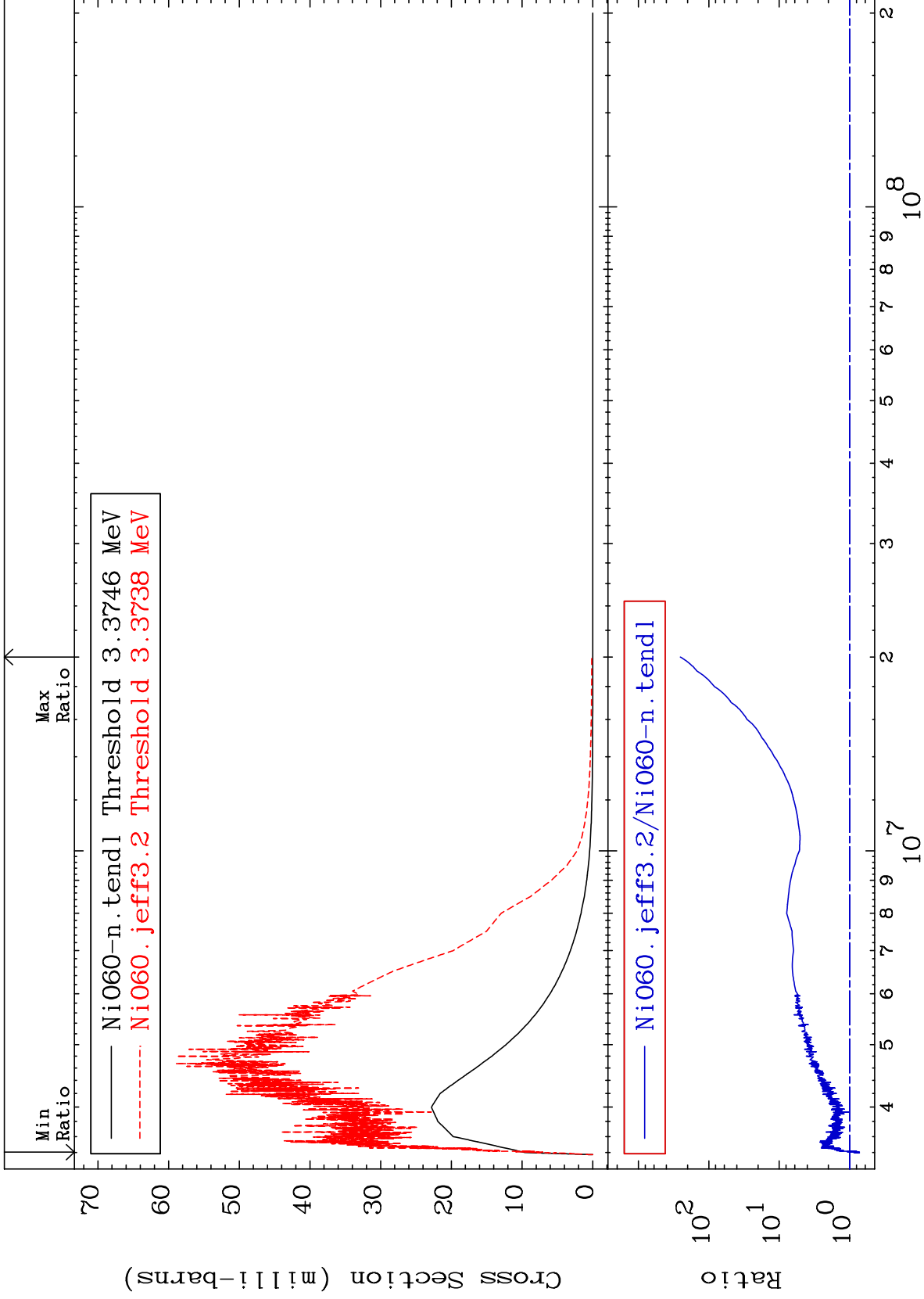




MAT 2831

3.319 MeV (n,n') Level  
Cross Section

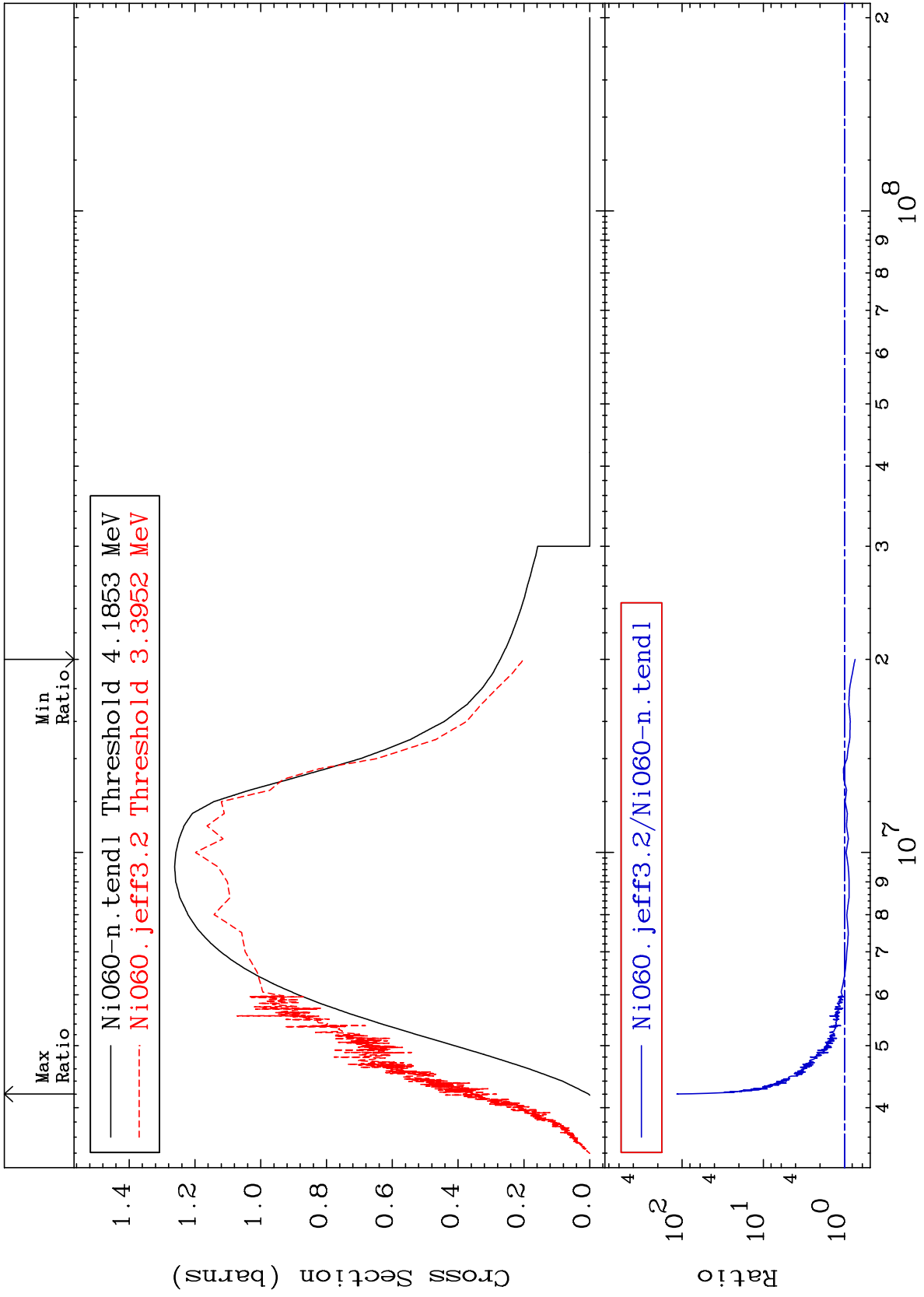
28-Ni-60  
-27.52 To 9999. %



MAT 2831

(n, n') Continuum  
Cross Section

28-Ni-60  
-26.15 To 9999. %



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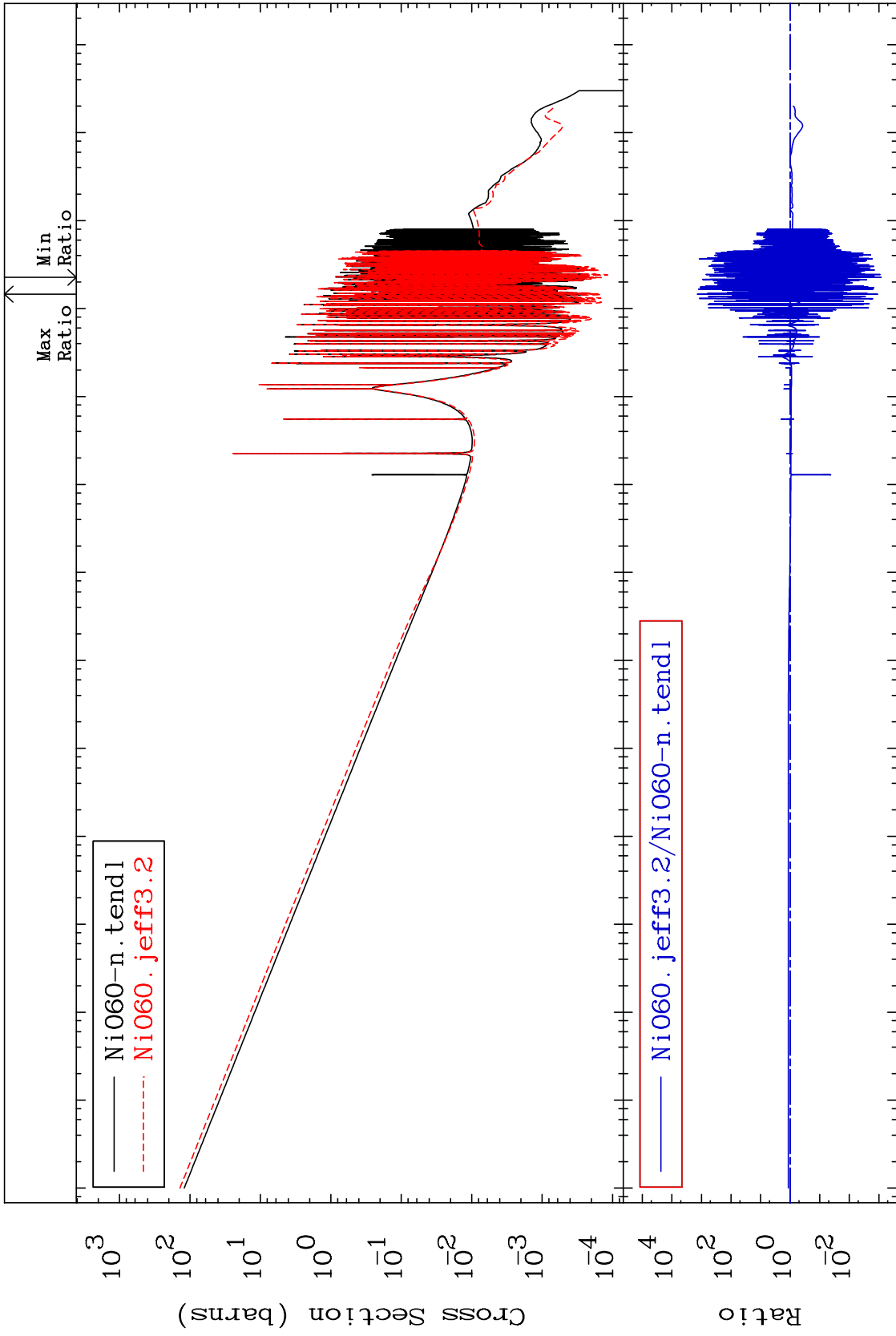
Incident Energy (eV)

28-Ni-60

MAT 2831

(n,  $\gamma$ )  
Cross Section

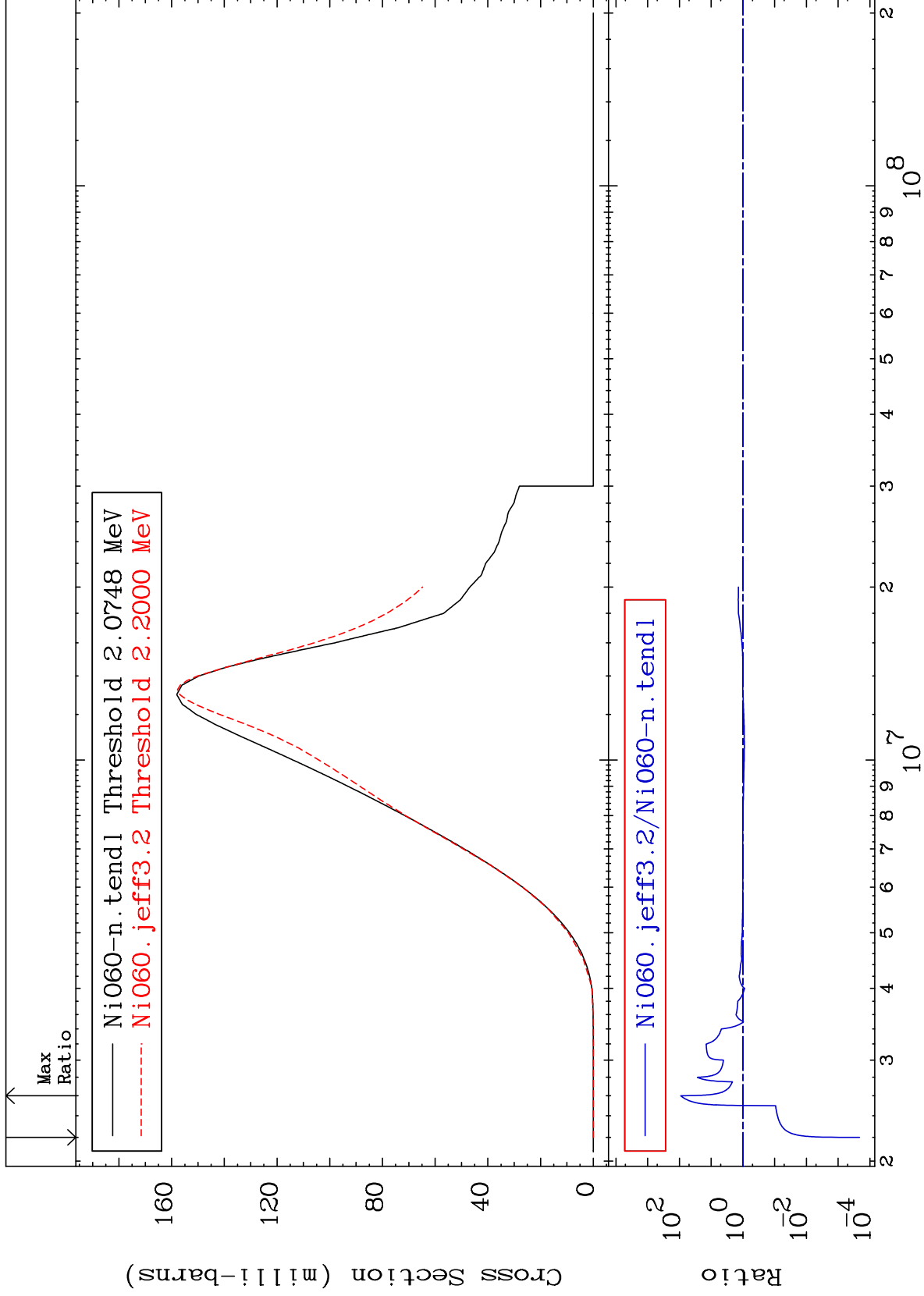
28-Ni-60  
-99.92 To 9999. %



MAT 2831

(n,p)  
Cross Section

<sup>28</sup>Ni-60  
-99.98 To 8951. %



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Incident Energy (eV)

<sup>28</sup>Ni-60

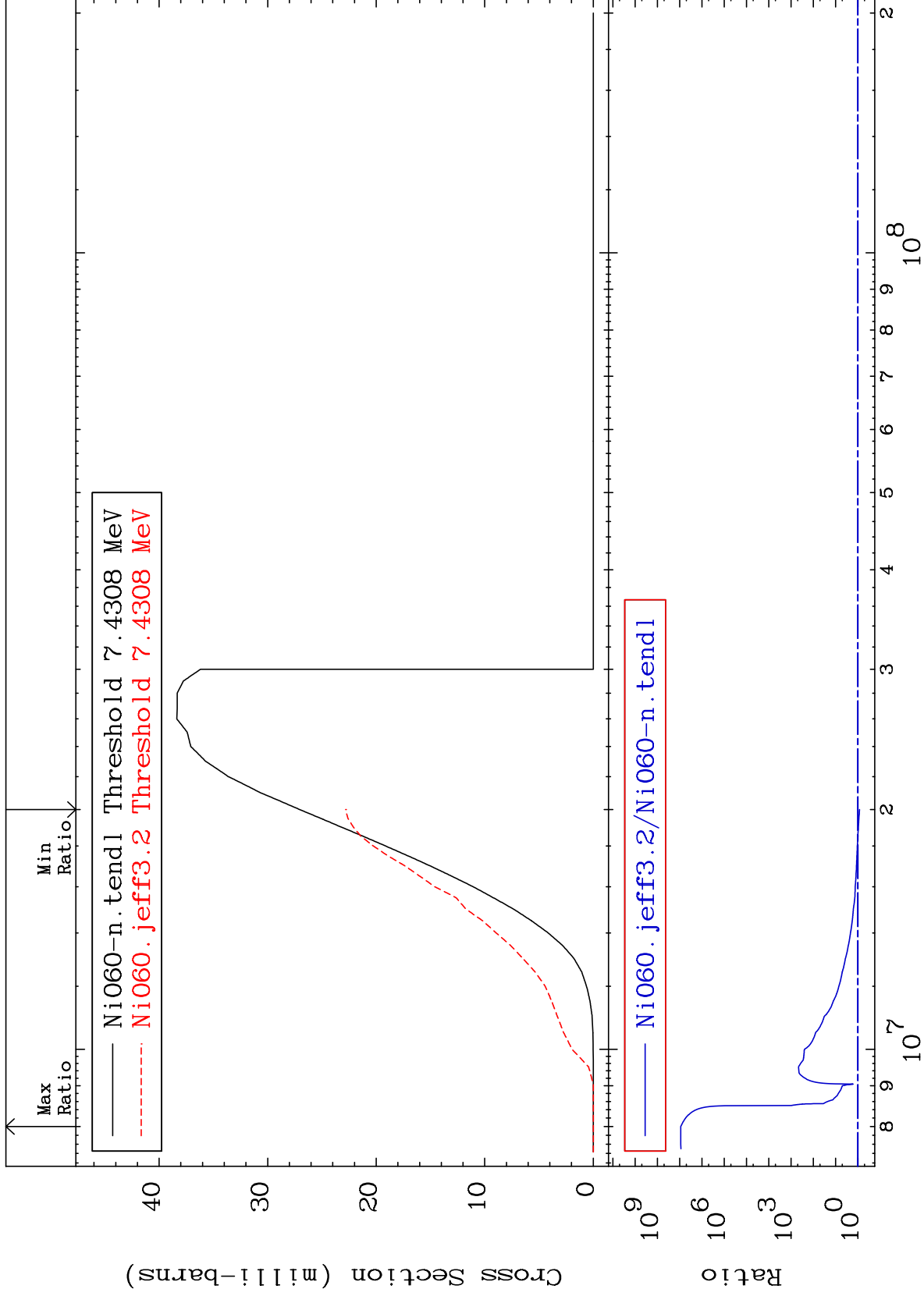
MAT 2831

(n, d)

28-Ni-60

Cross Section

-15.65 To 9999. %



21

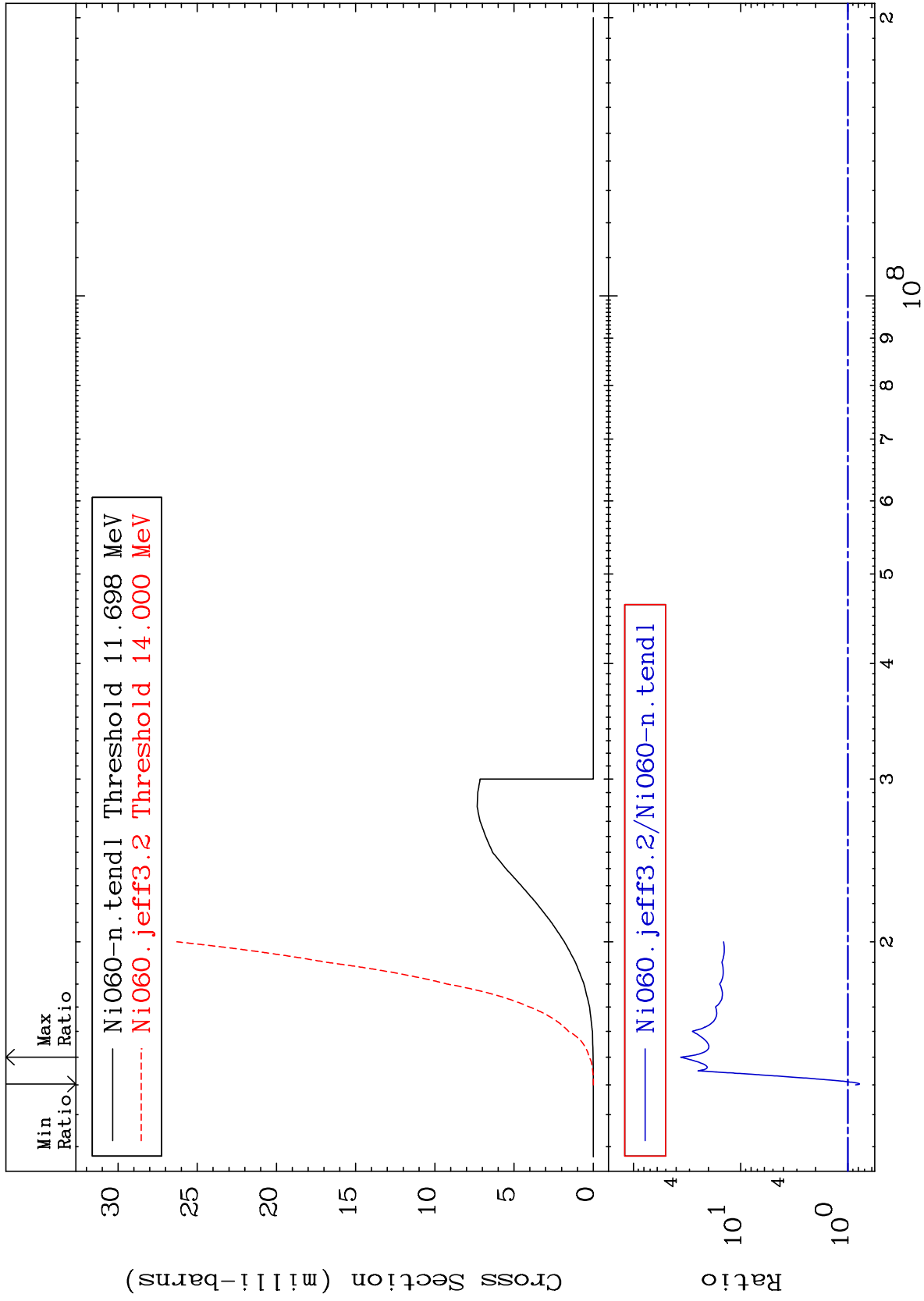
Incident Energy (eV)

28-Ni-60

MAT 2831

(n, t)  
Cross Section

28-Ni-60  
-22.02 To 3521. %



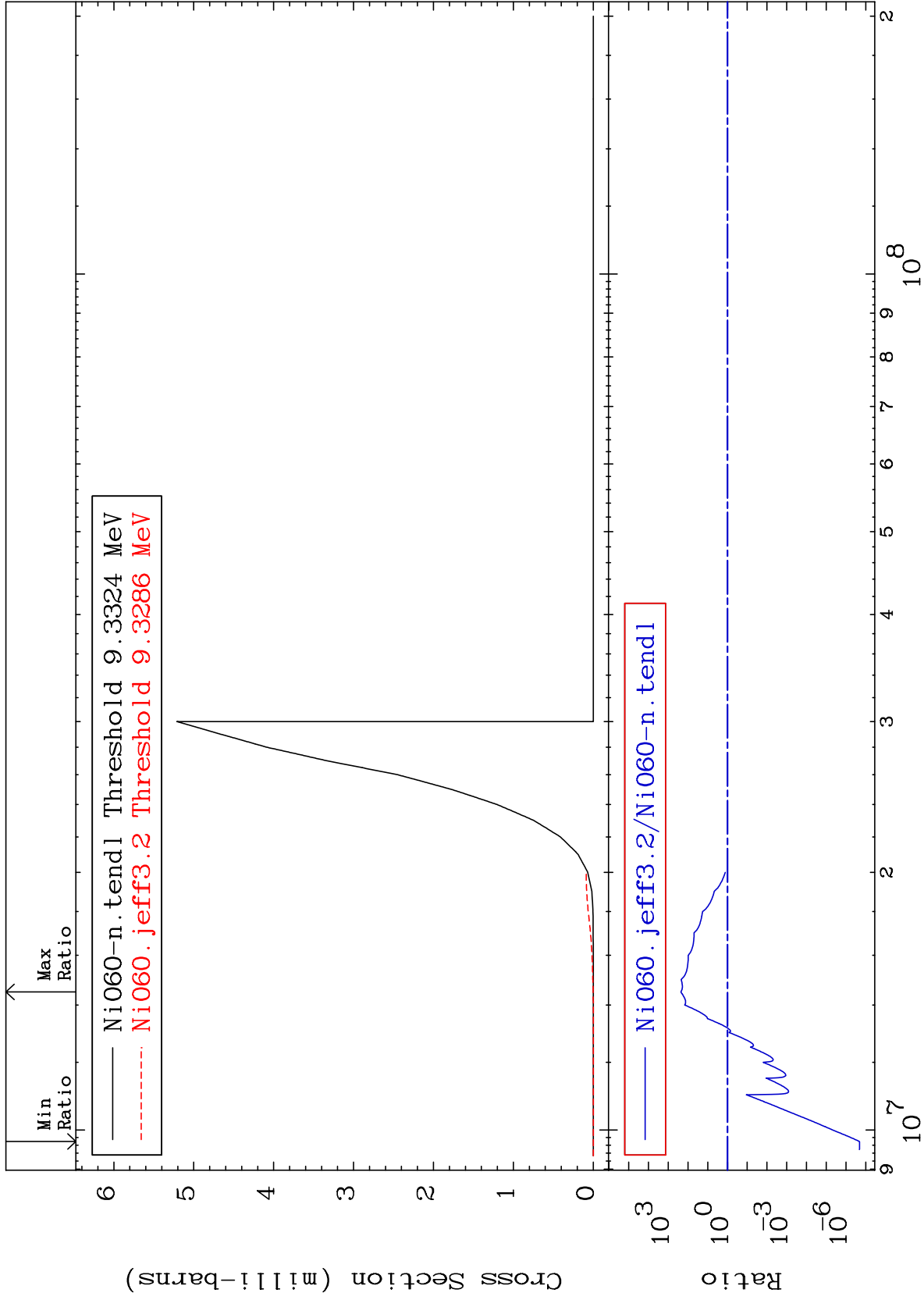
MAT 2831

(n, He-3)

28-Ni-60

Cross Section

-100.0 To 9999. %



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28-Ni-60

MAT 2831

<sup>28</sup>Ni-60

(n,α) -39.77 To 150.8 %

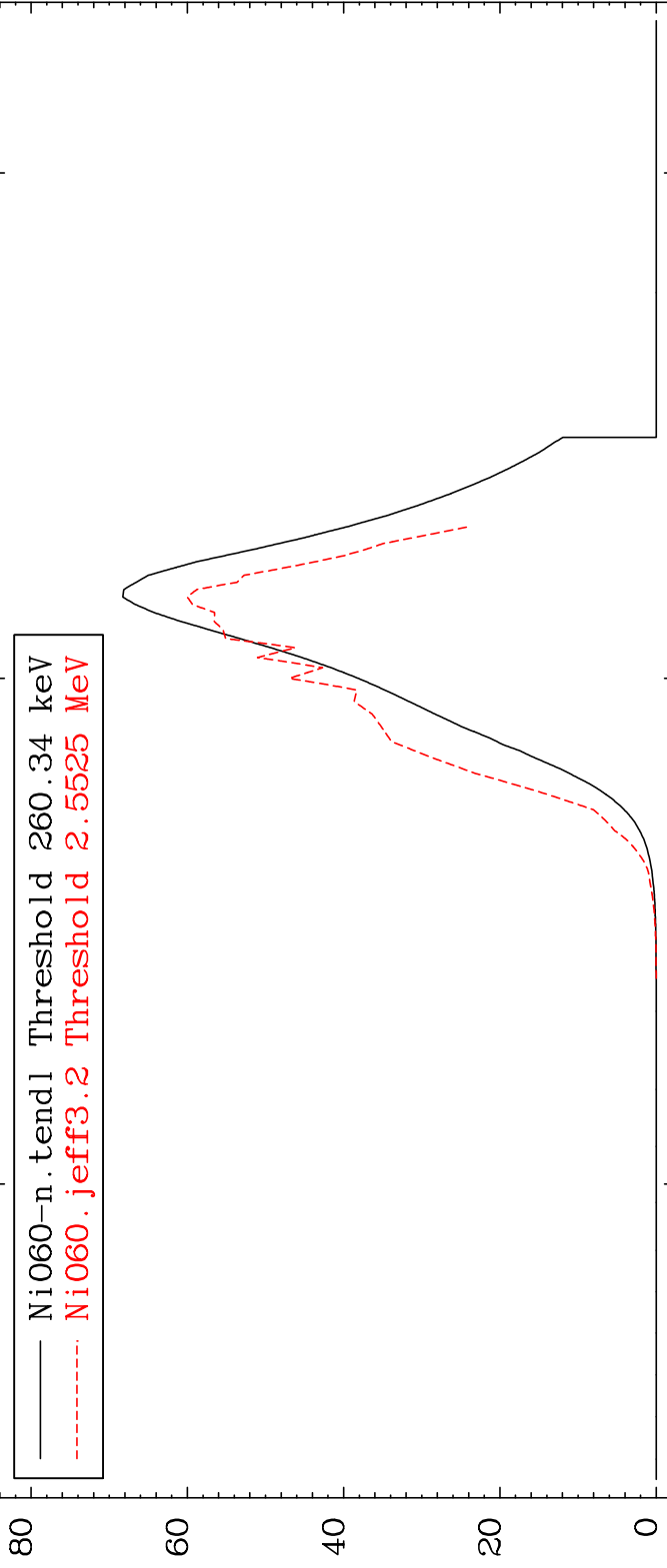
Cross Section

Max Ratio

Min Ratio

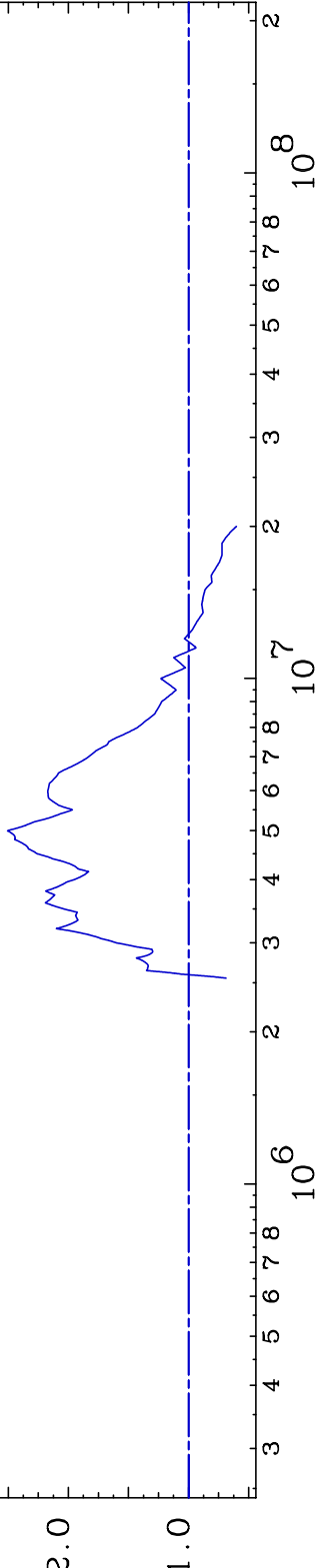
Ni060-n.tendl Threshold 260.34 keV  
Ni060.jeff3.2 Threshold 2.5525 MeV

Cross Section (milli-barns)



Ni060.jeff3.2/Ni060-n.tendl

Ratio



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Incident Energy (eV)

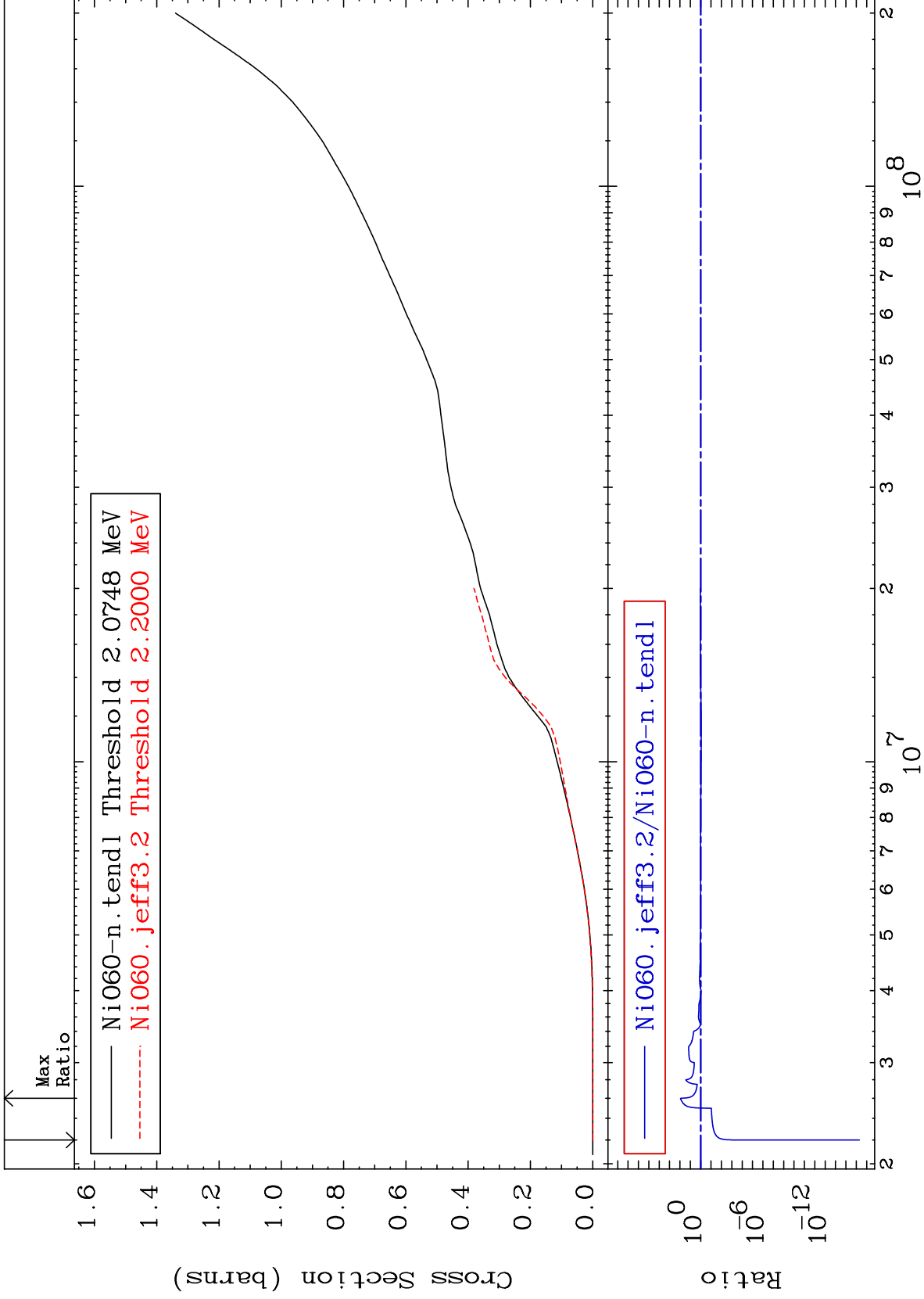
<sup>28</sup>Ni-60



MAT 2831

Hydrogen Production  
Cross Section

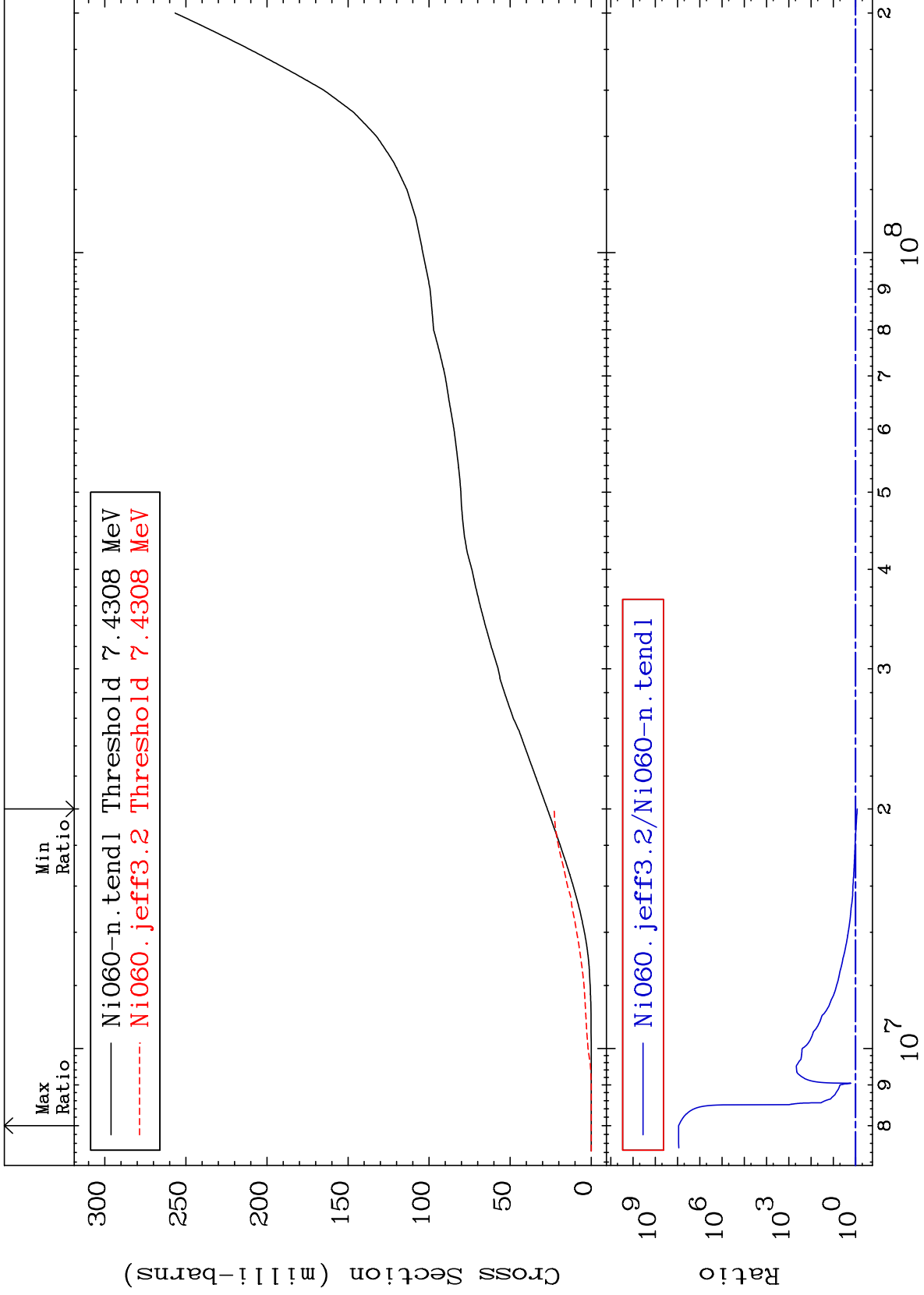
28-Ni-60  
-100.0 To 8951. %

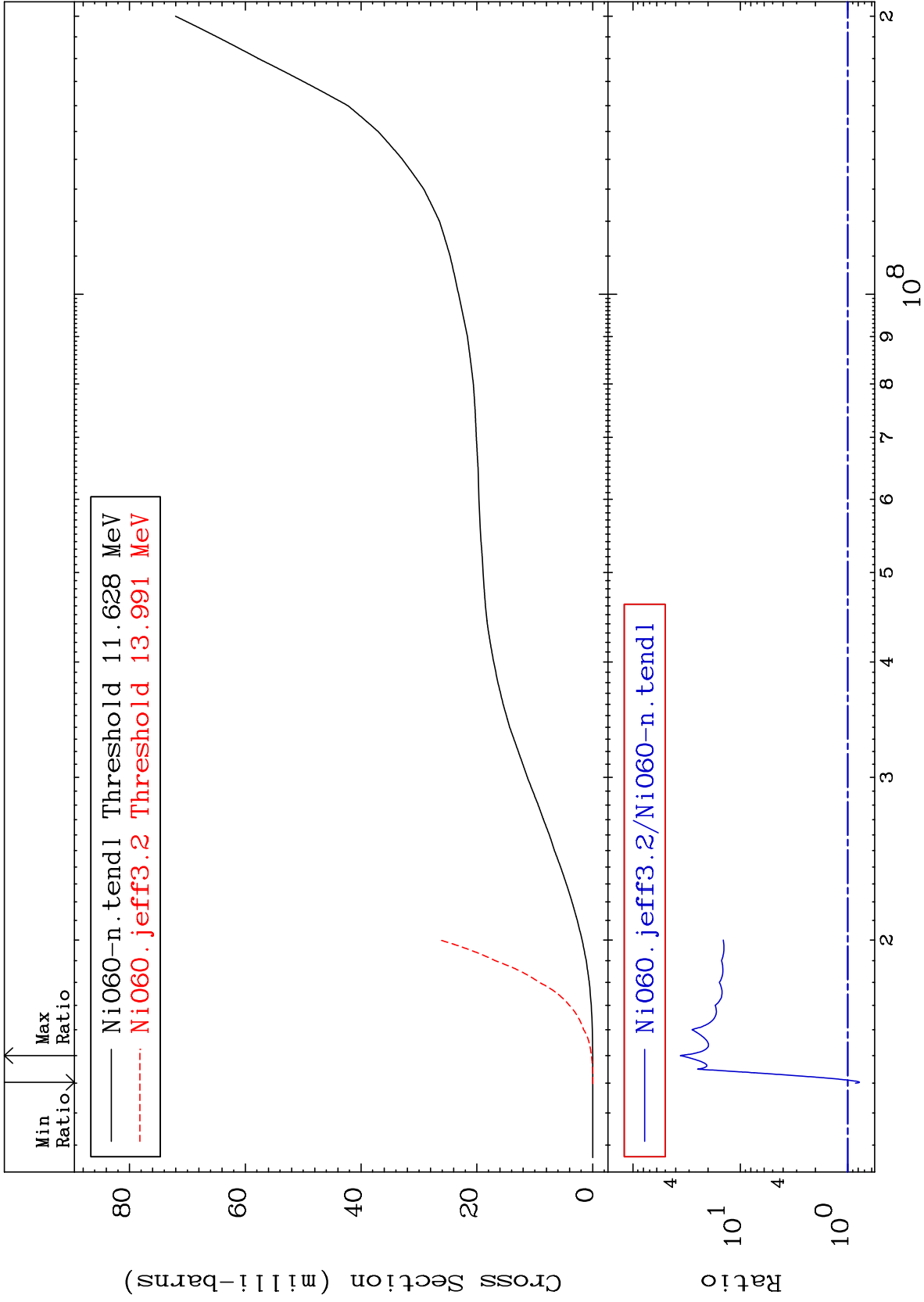


MAT 2831

Deuterium Production  
Cross Section

28-Ni-60  
-15.71 To 9999. %

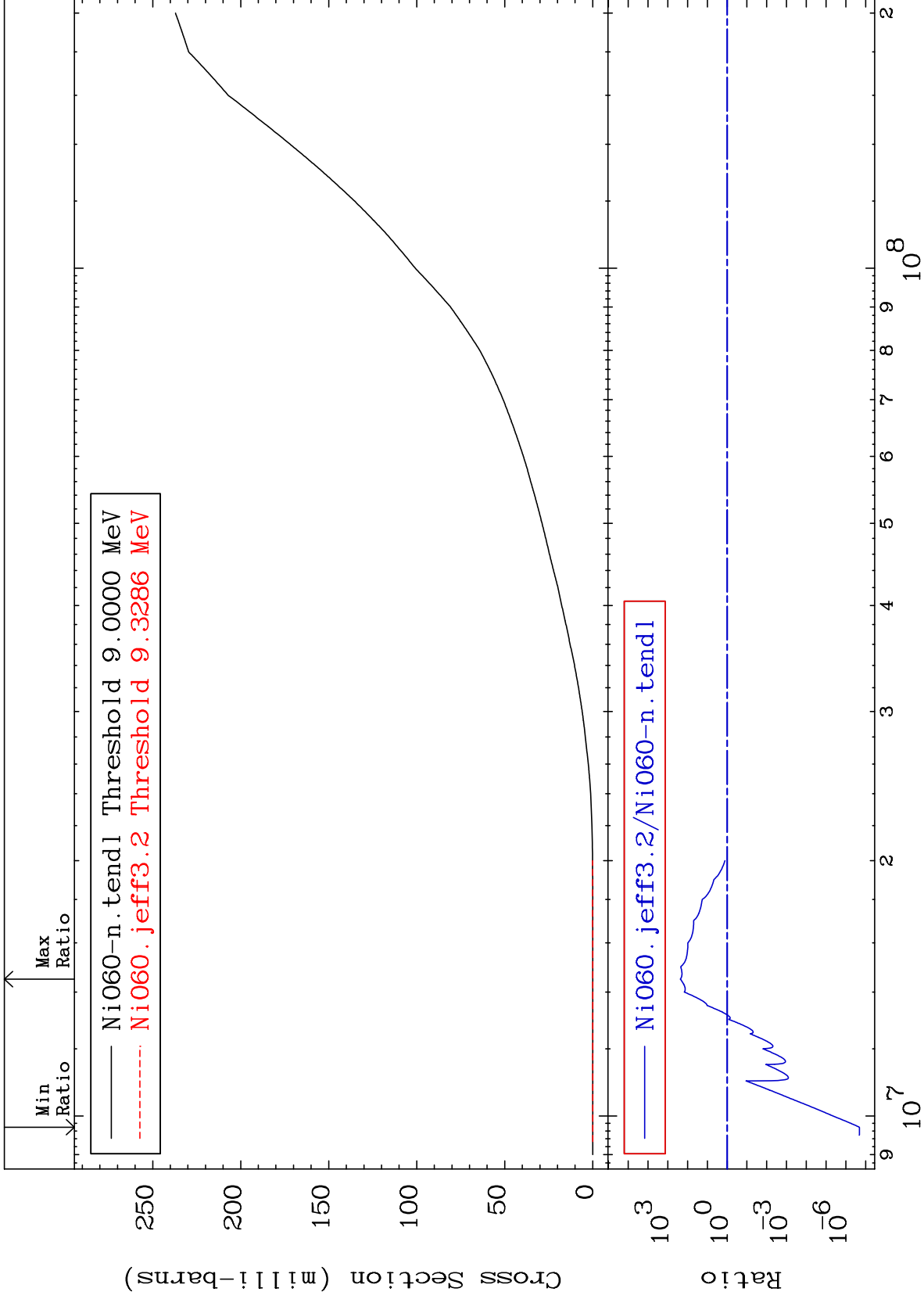




MAT 2831

He-3 Production  
Cross Section

28-Ni-60  
-100.0 To 9999. %



28

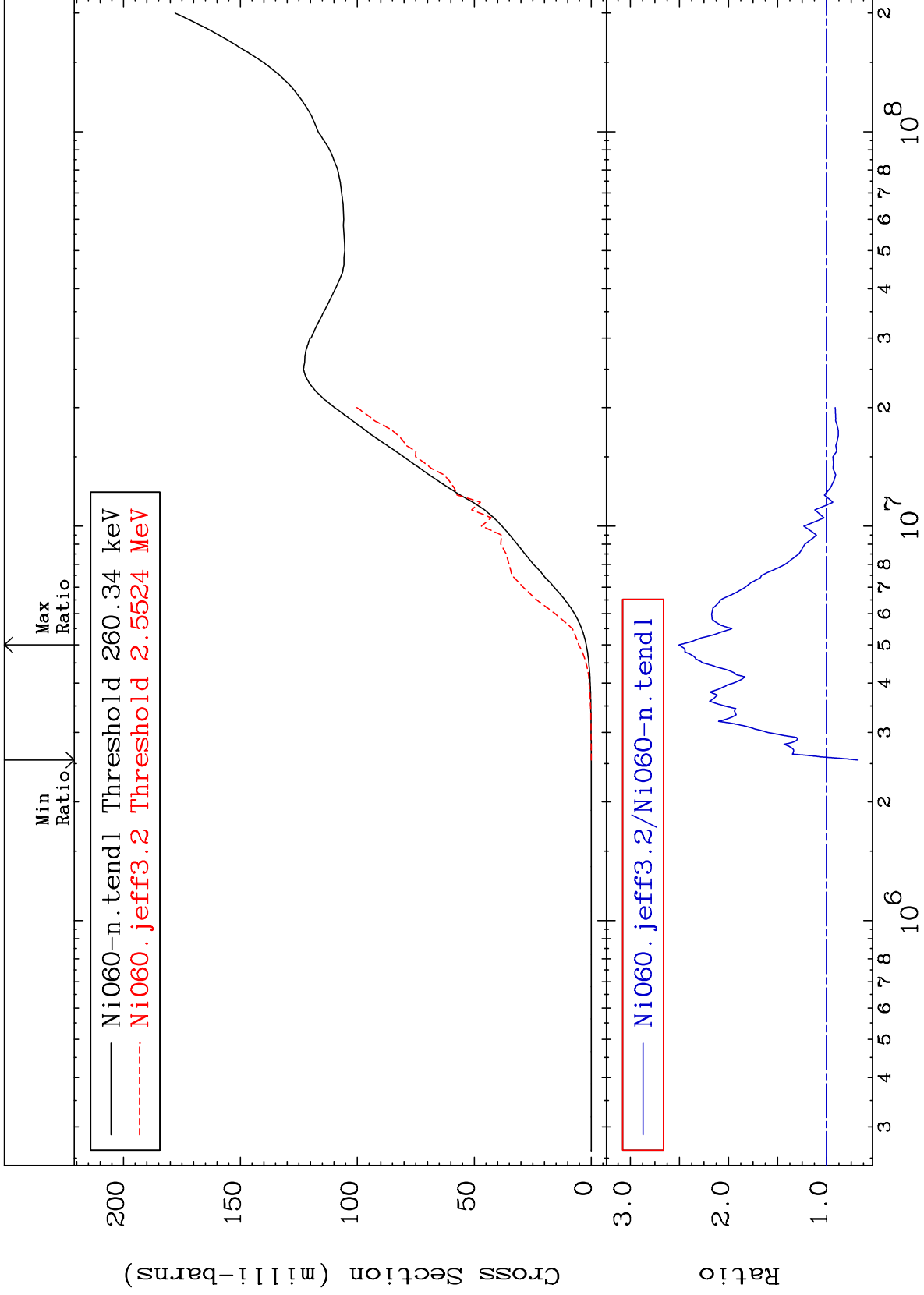
Incident Energy (eV)

28-Ni-60

MAT 2831

He-4 Production  
Cross Section

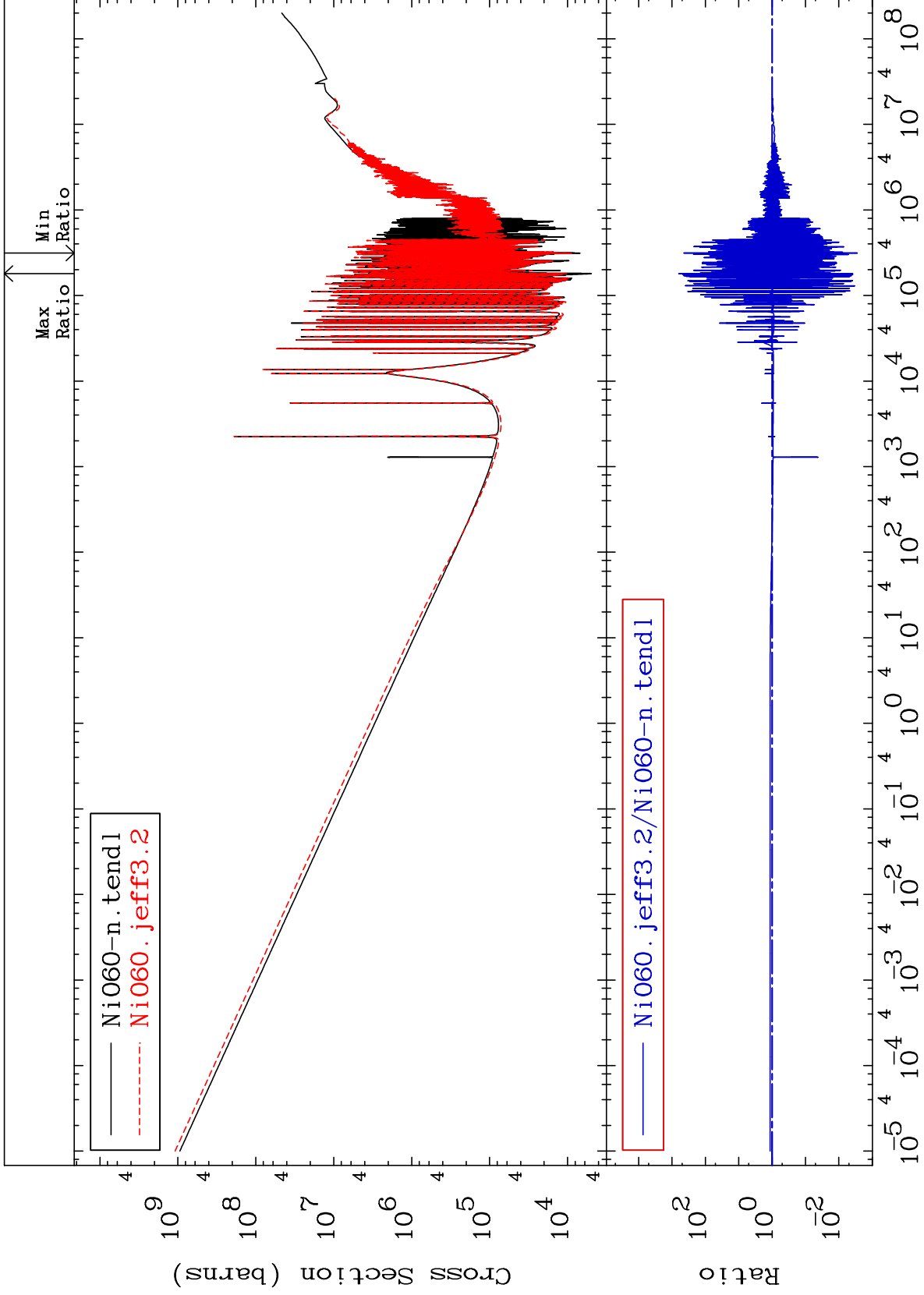
<sup>28</sup>Ni-60  
-31.16 To 150.8 %

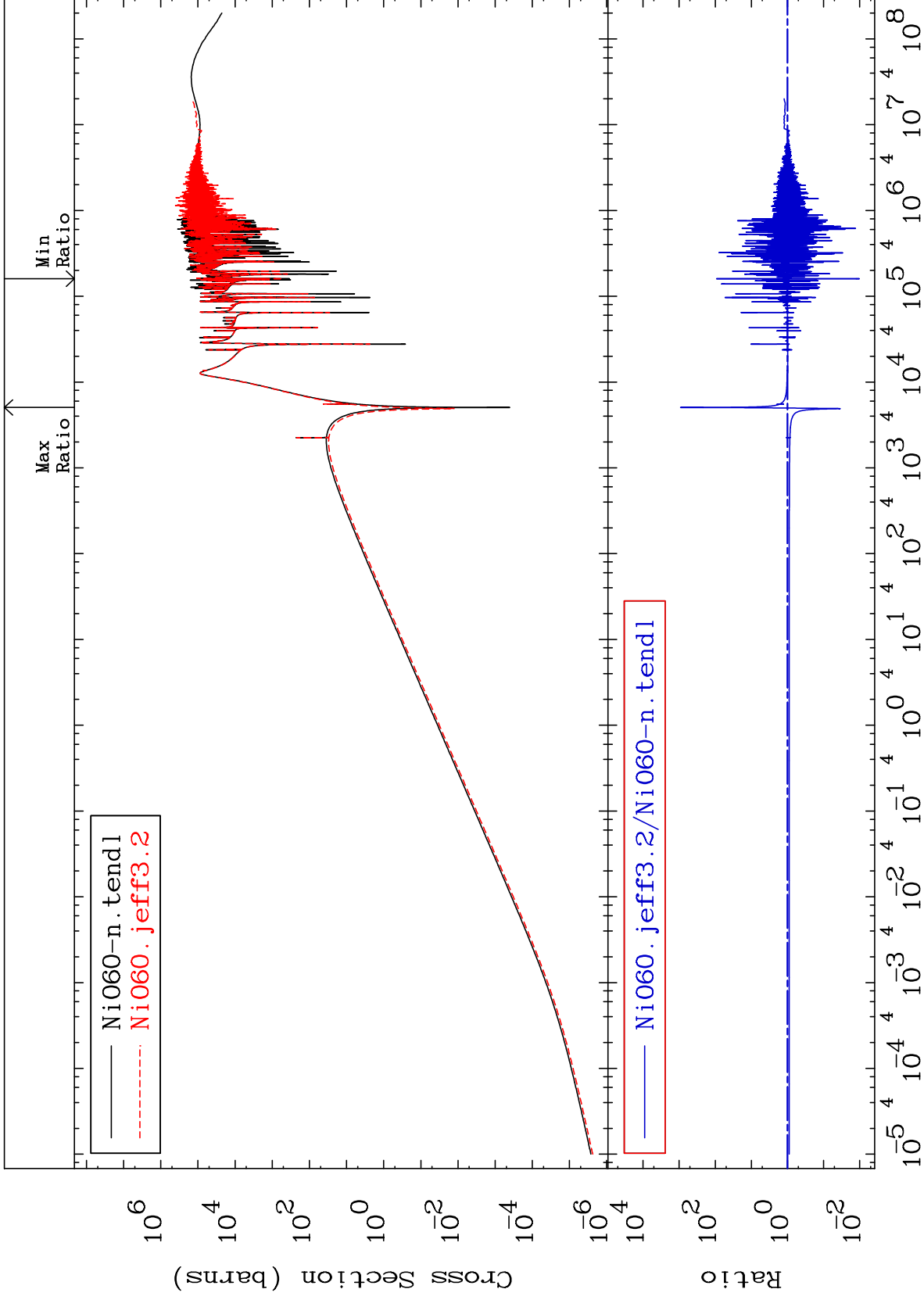


MAT 2831

Kerma total (eV-barns)  
Cross Section

28-Ni-60  
-99.72 To 9999. %

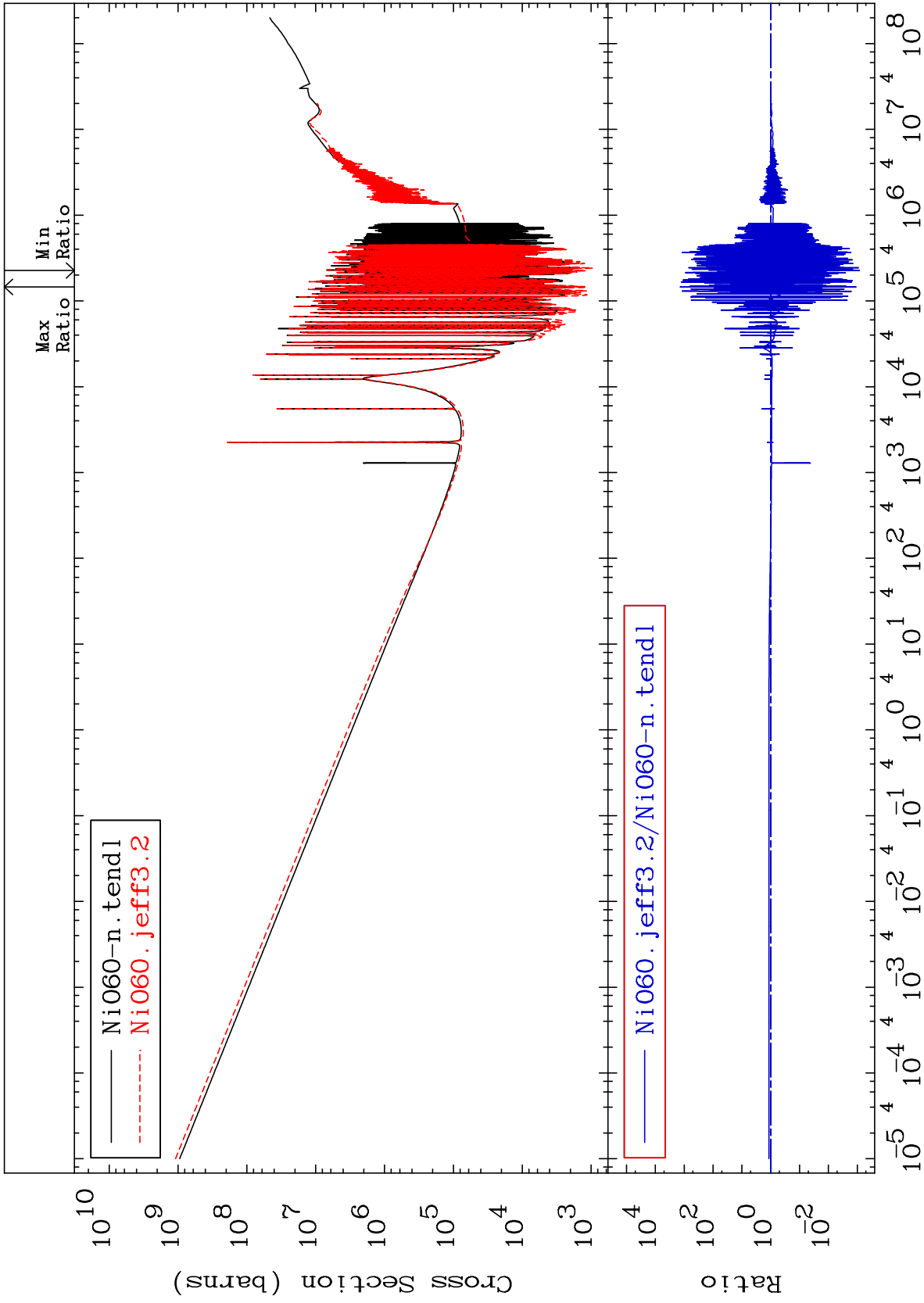




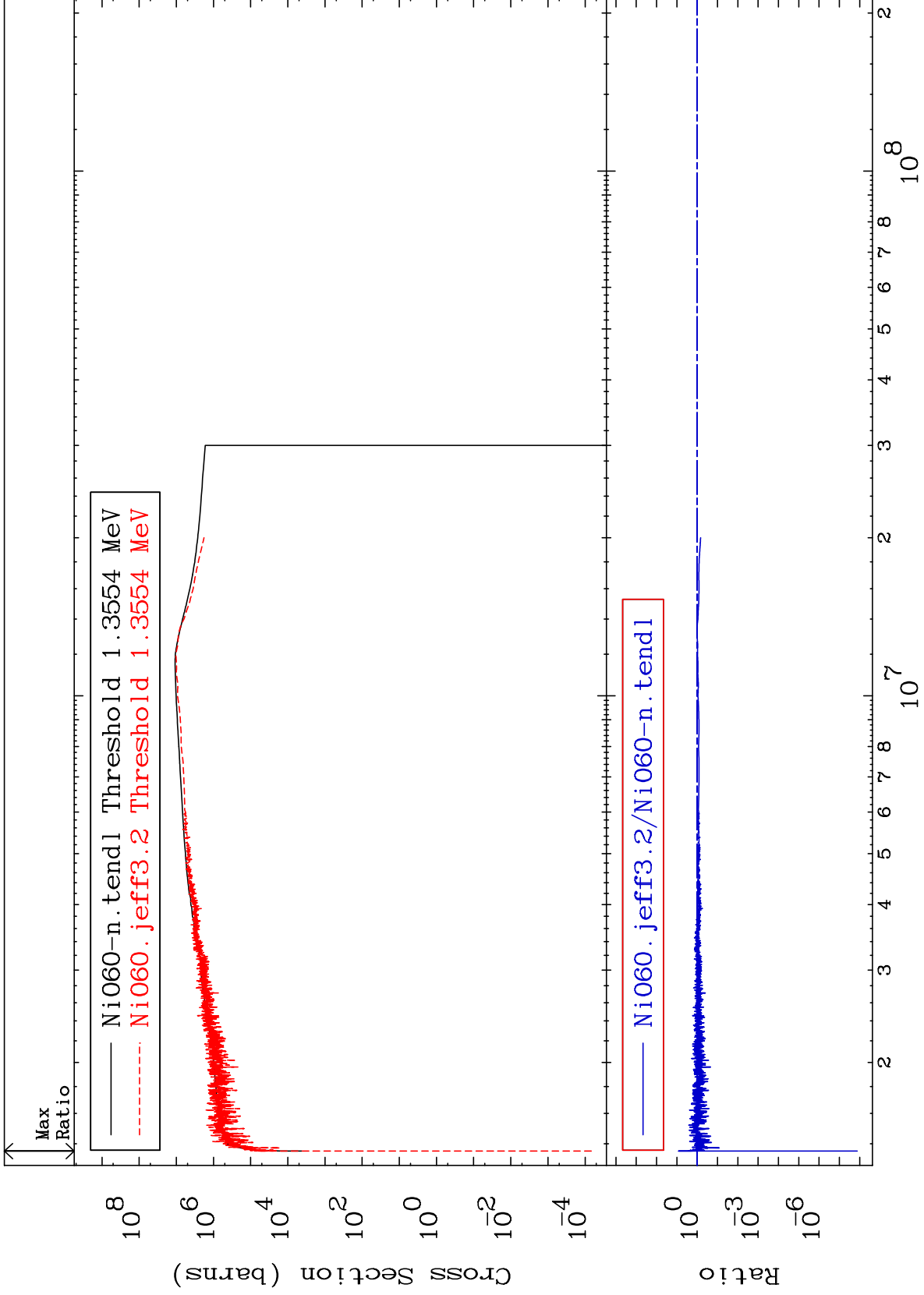
MAT 2831

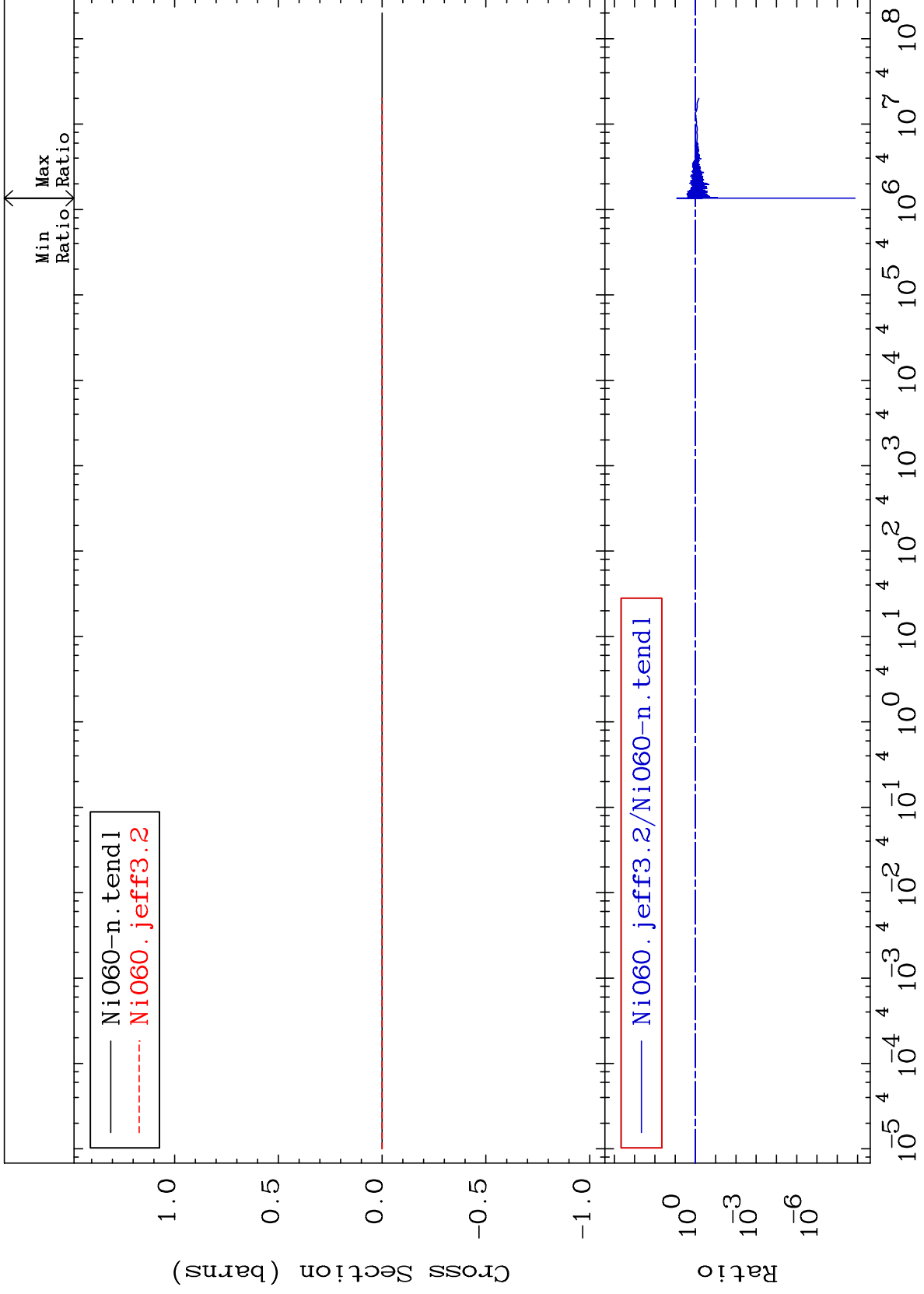
Kerma non-elastic (all but mt2)  
Cross Section

28-Ni-60  
-99.92 To 9999. %





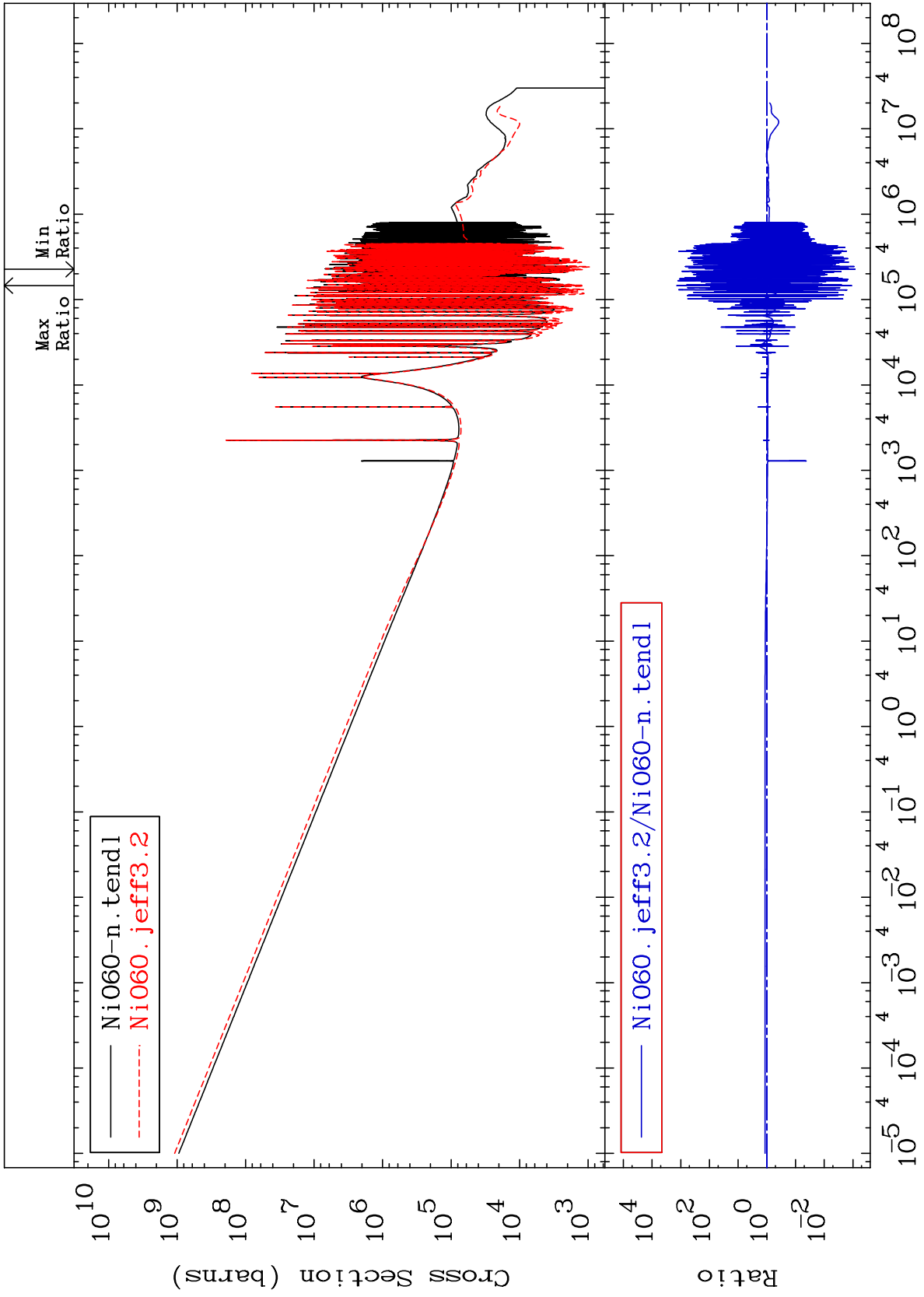




MAT 2831

Kerma capture (mt102)  
Cross Section

28-Ni-60  
-99.92 To 9999. %



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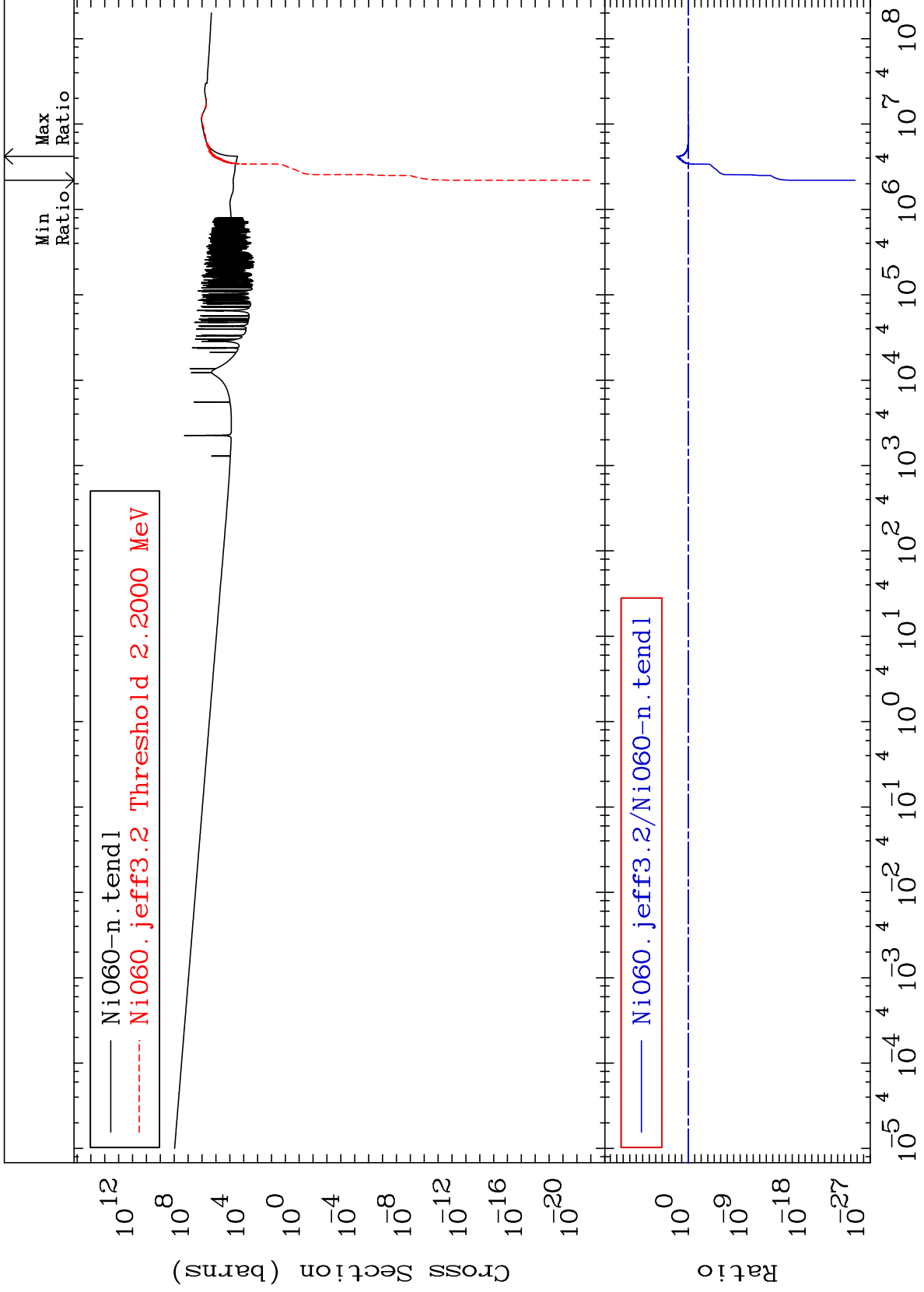
Incident Energy (eV)

28-Ni-60

MAT 2831

Total photon (eV-barns)  
Cross Section

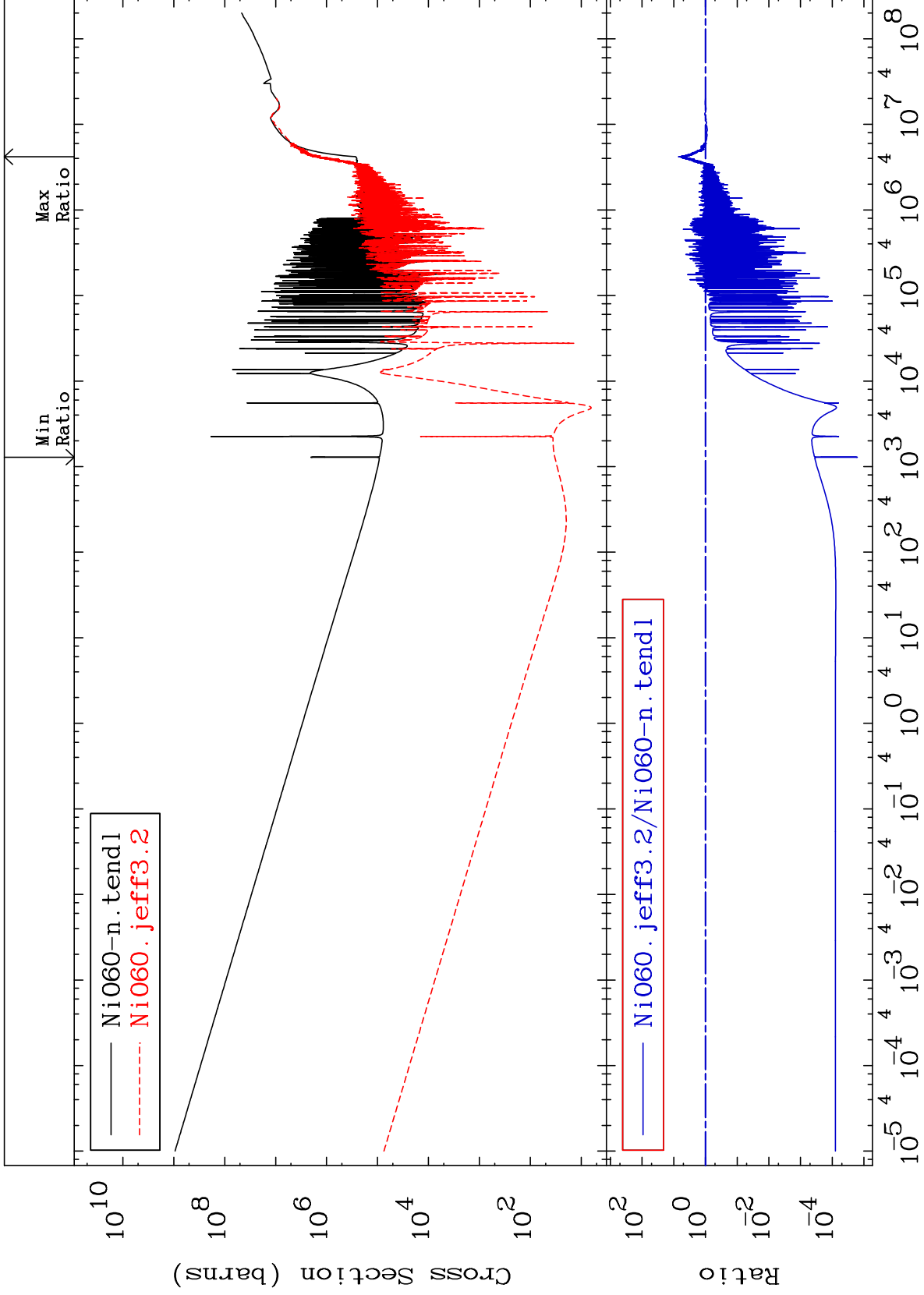
28-Ni-60  
-100.0 To 5363. %



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Incident Energy (eV)

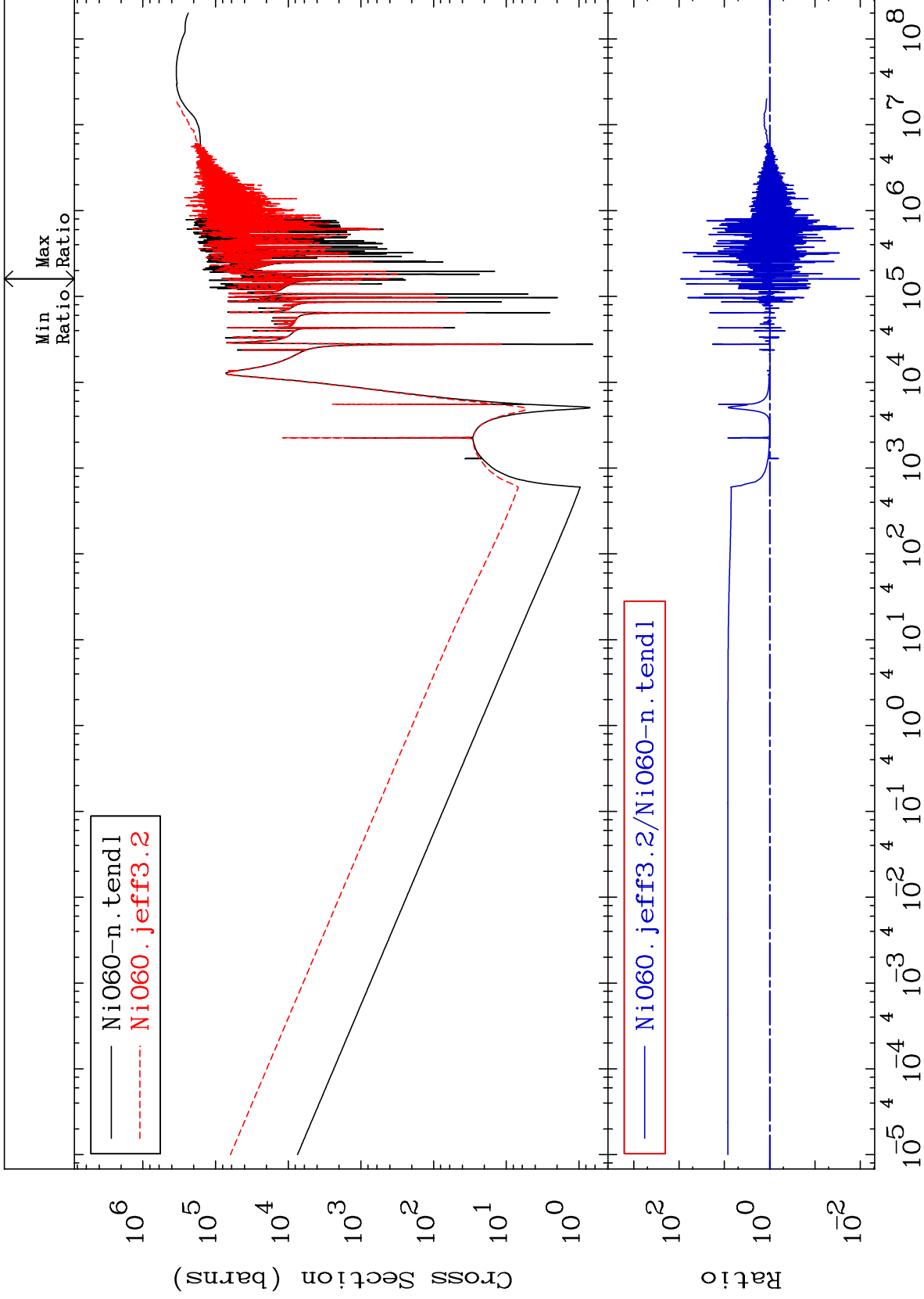
28-Ni-60



MAT 2831

Dpa total (eV-barns)  
Cross Section

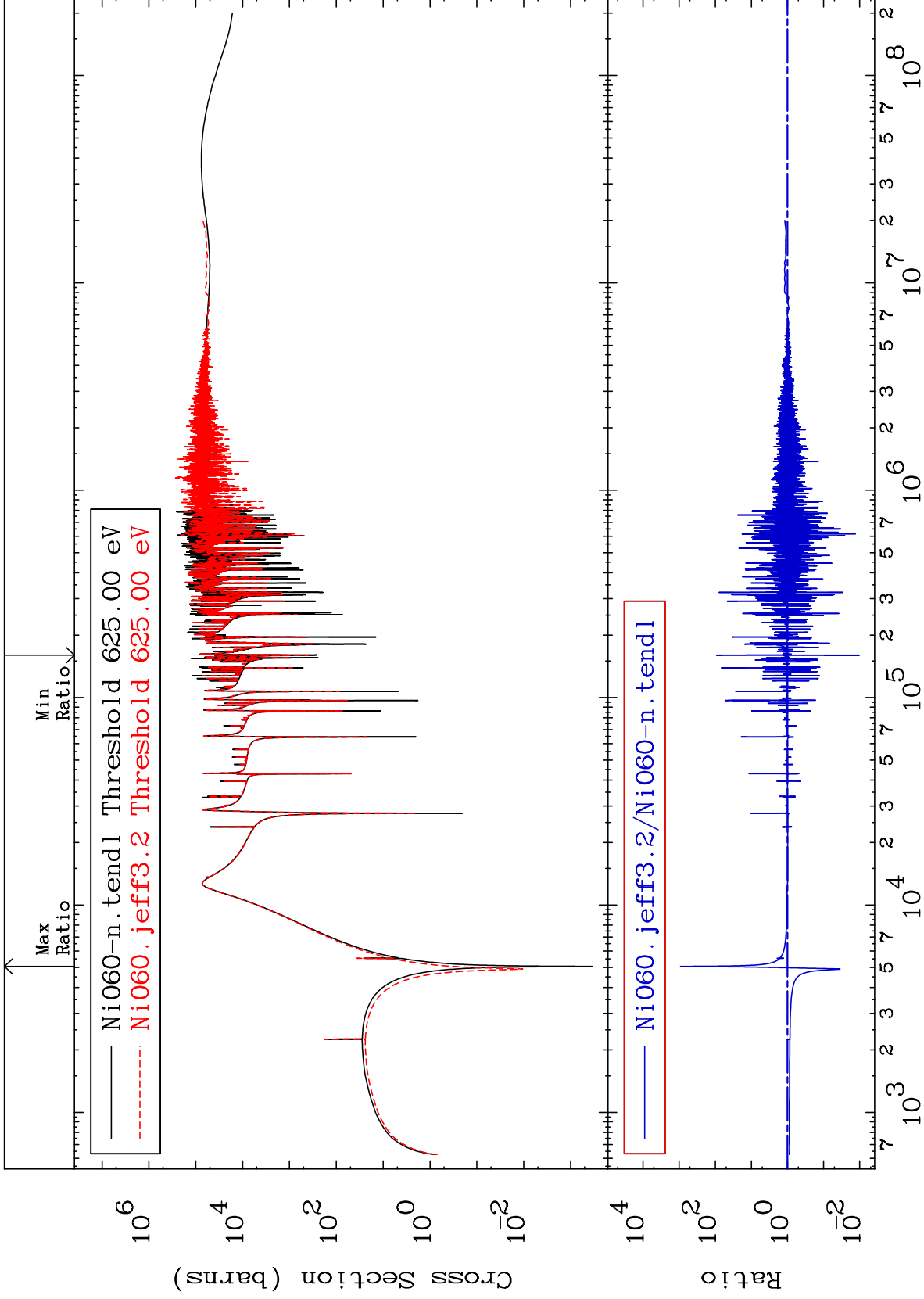
28-Ni-60  
-98.96 To 9271. %



MAT 2831

Dpa elastic (mt2)  
Cross Section

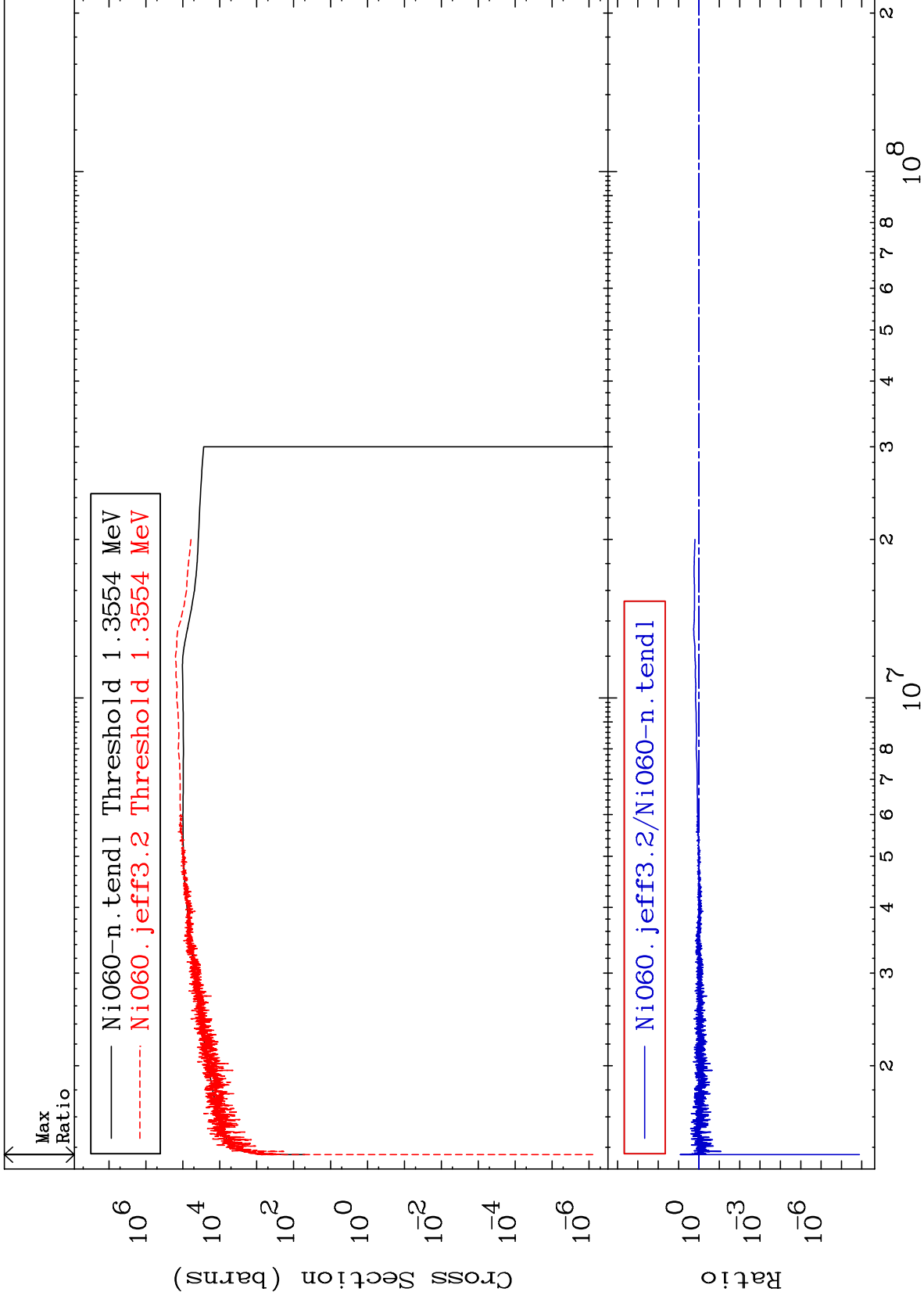
28-Ni-60  
-98.98 To 9999. %



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Incident Energy (eV)

28-Ni-60





MAT 2831

Dpa disappearance (mt102 -120)  
Cross Section

28-Ni-60  
-95.53 To 9999. %

