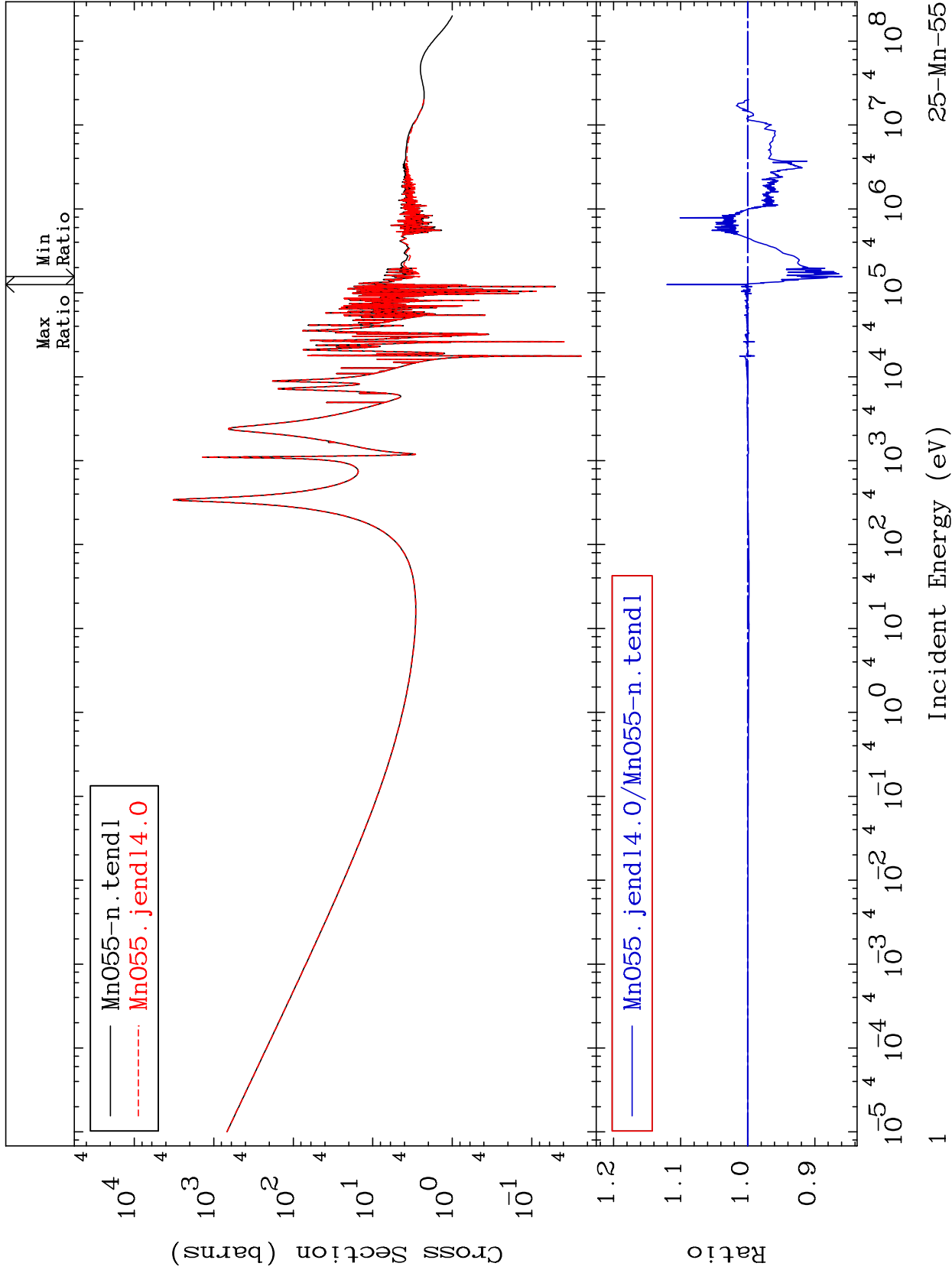


MAT 2525

Total  
Cross Section

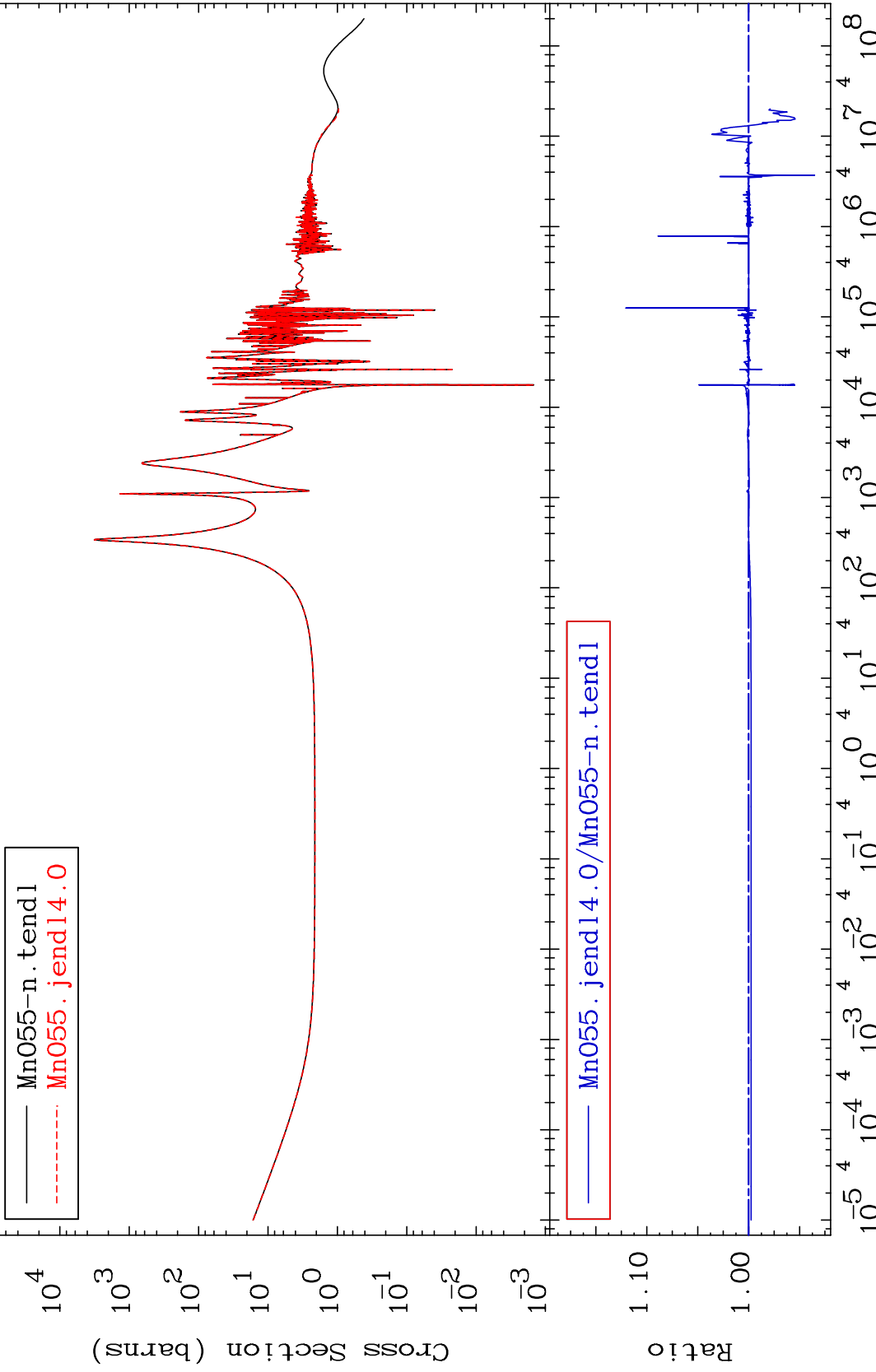
25-Mn-55  
-14.09 To 12.03 %



MAT 2525

Elastic  
Cross Section

25-Mn-55  
-6.476 To 12.05 %



Incident Energy (eV)

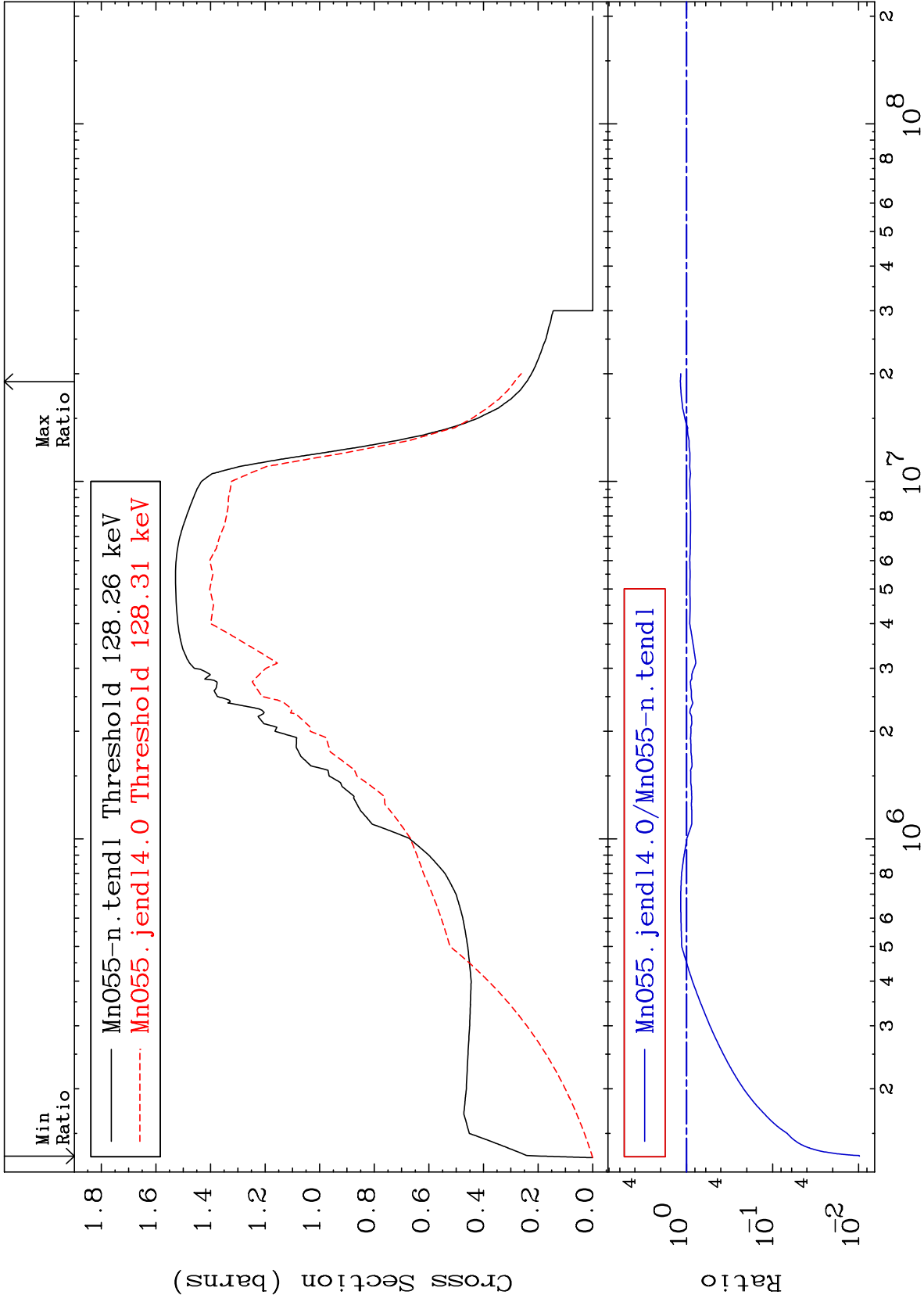
25-Mn-55

2

MAT 2525

Inelastic  
Cross Section

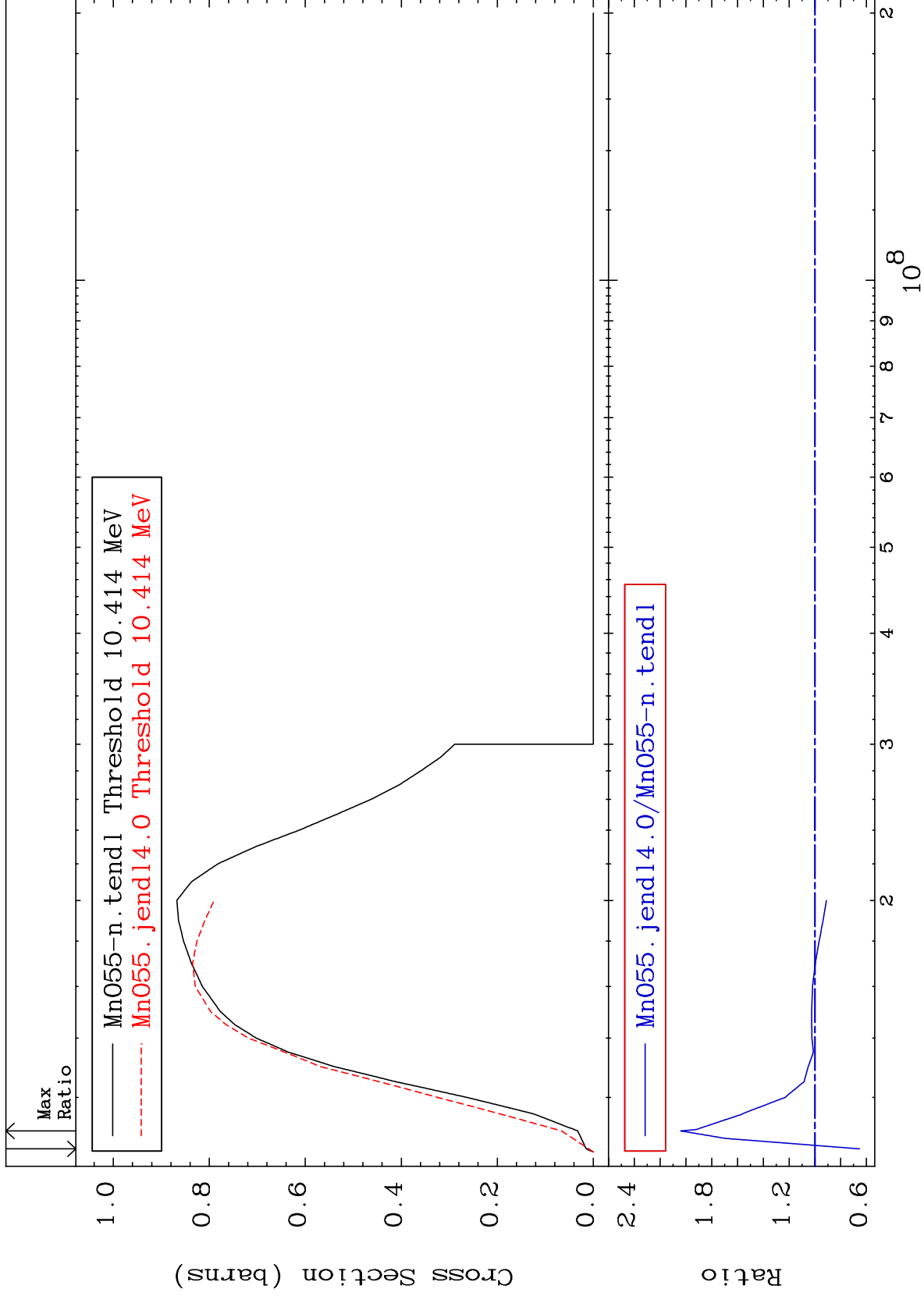
25-Mn-55  
-99.02 To 18.34 %



MAT 2525

(n,2n)  
Cross Section

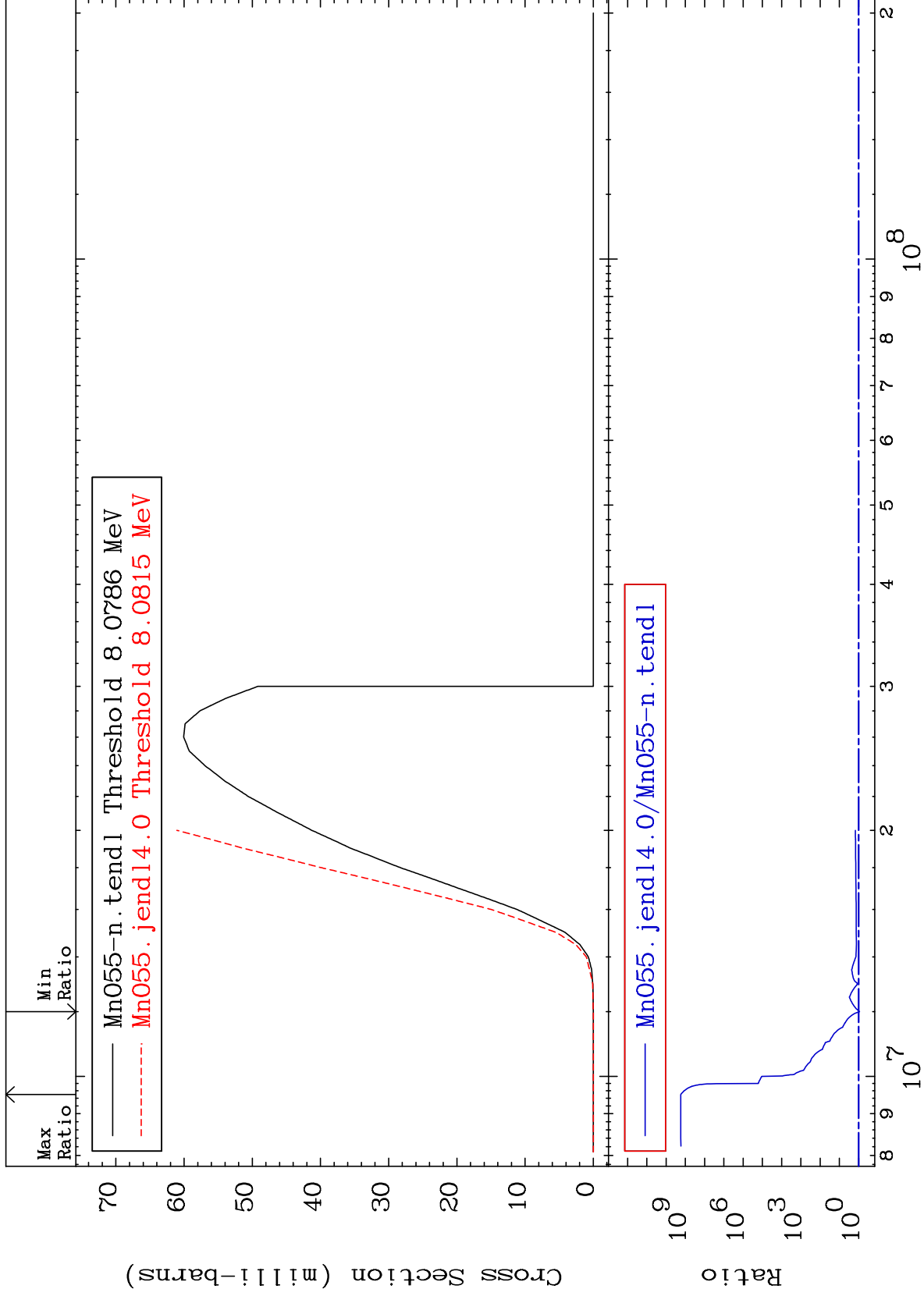
25-Mn-55  
-34.62 To 104.0 %



MAT 2525

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

25-Mn-55  
-9.987 To 9999. %



5

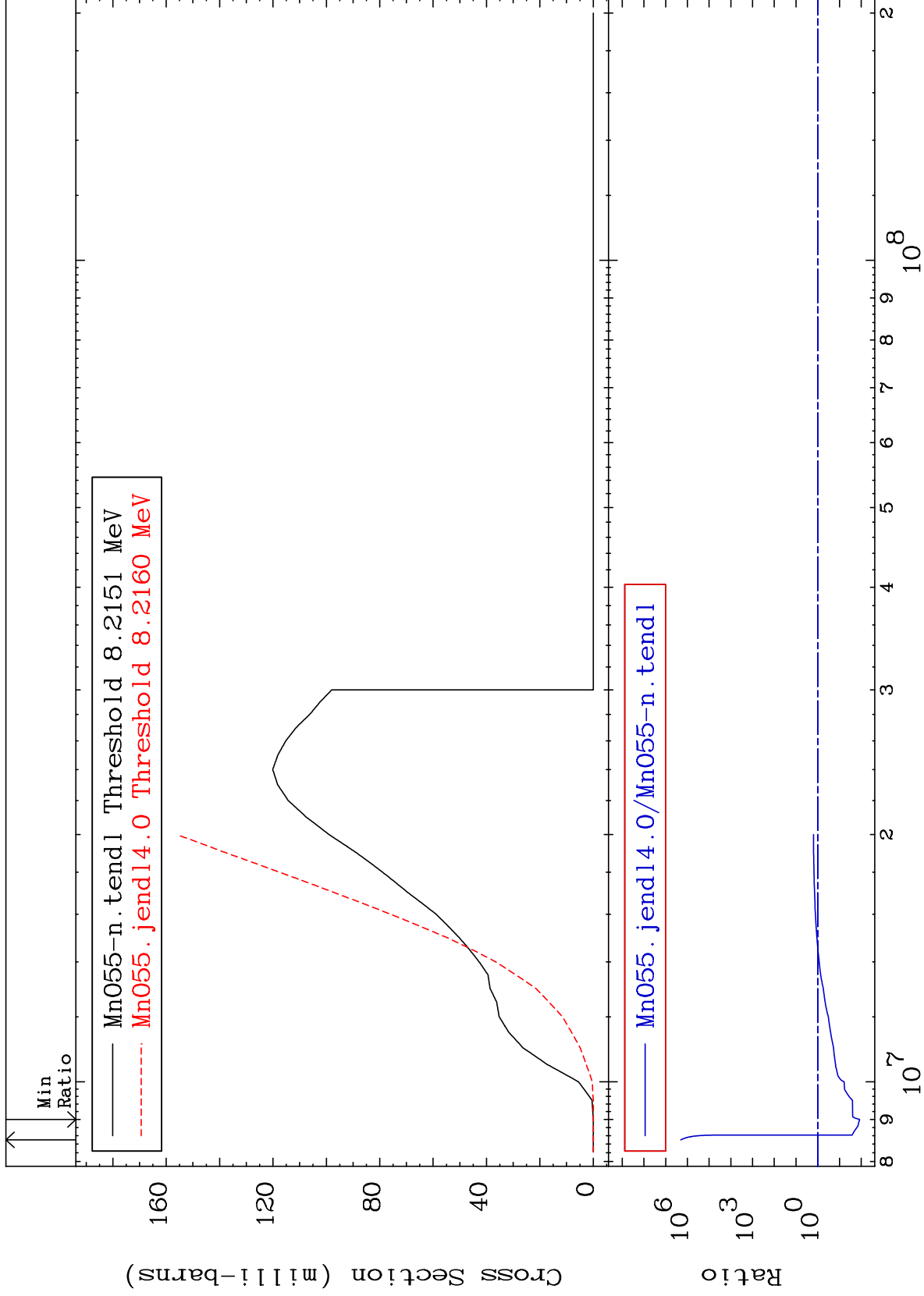
Incident Energy (eV)

25-Mn-55

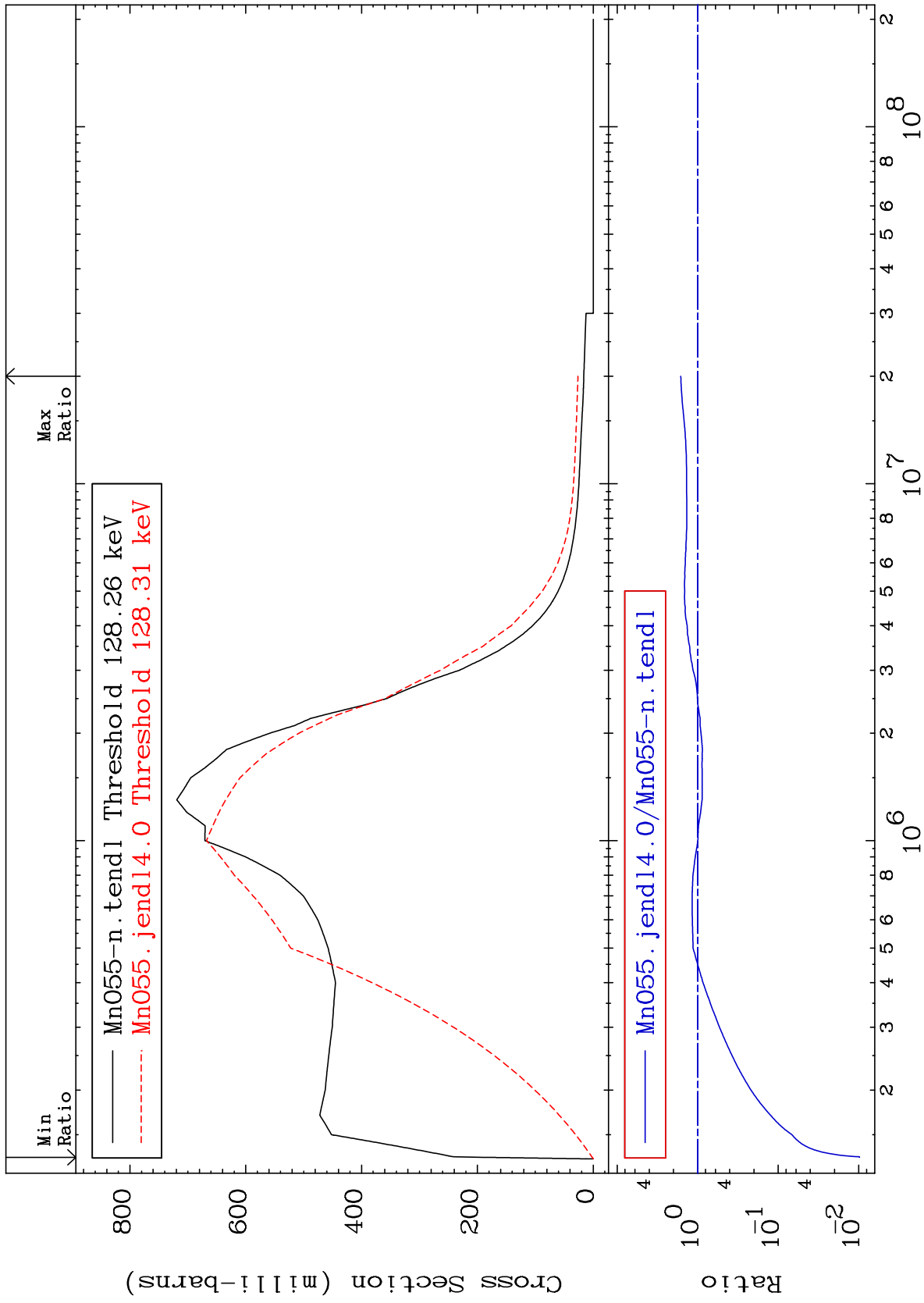
MAT 2525

(n, n') p  
Cross Section

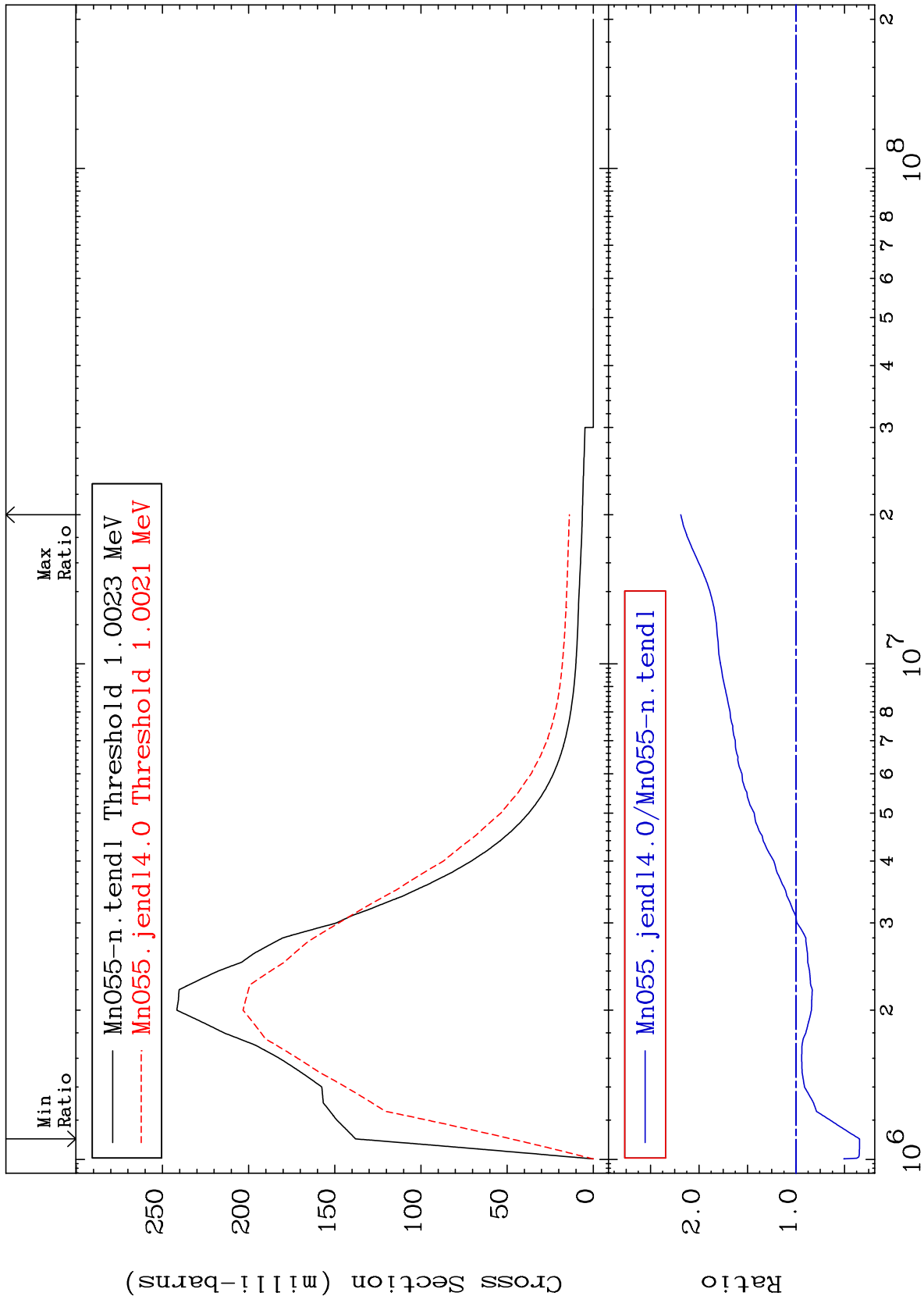
25-Mn-55  
-98.81 To 9999. %



MAT 2525      125.9 keV (n,n') Level      25-Mn-55  
 Cross Section      -99.02 To 62.26 %

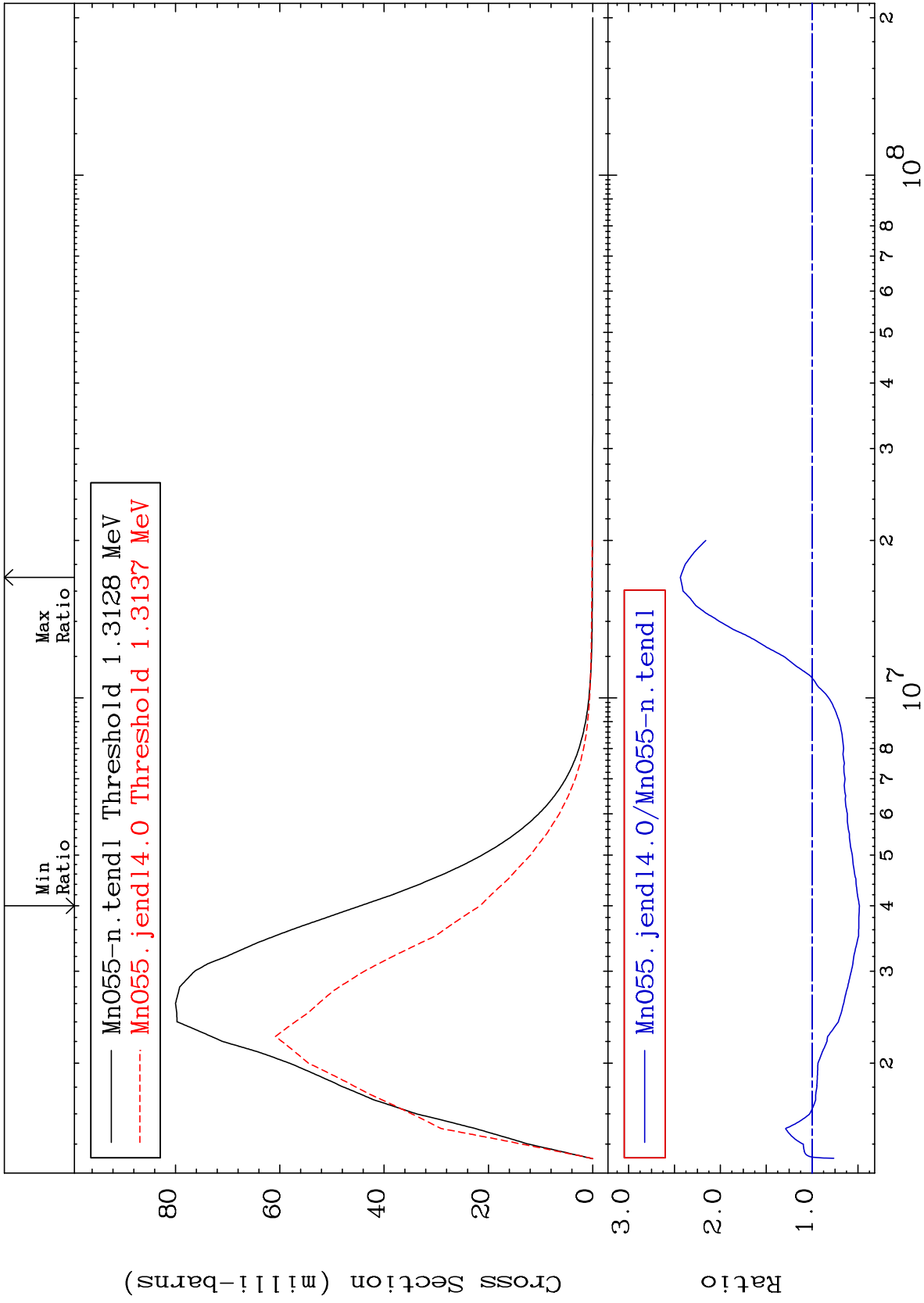


MAT 2525 25-Mn-55  
 984.3 keV (n,n') Level -65.47 To 118.8 %  
 Cross Section



8 25-Mn-55

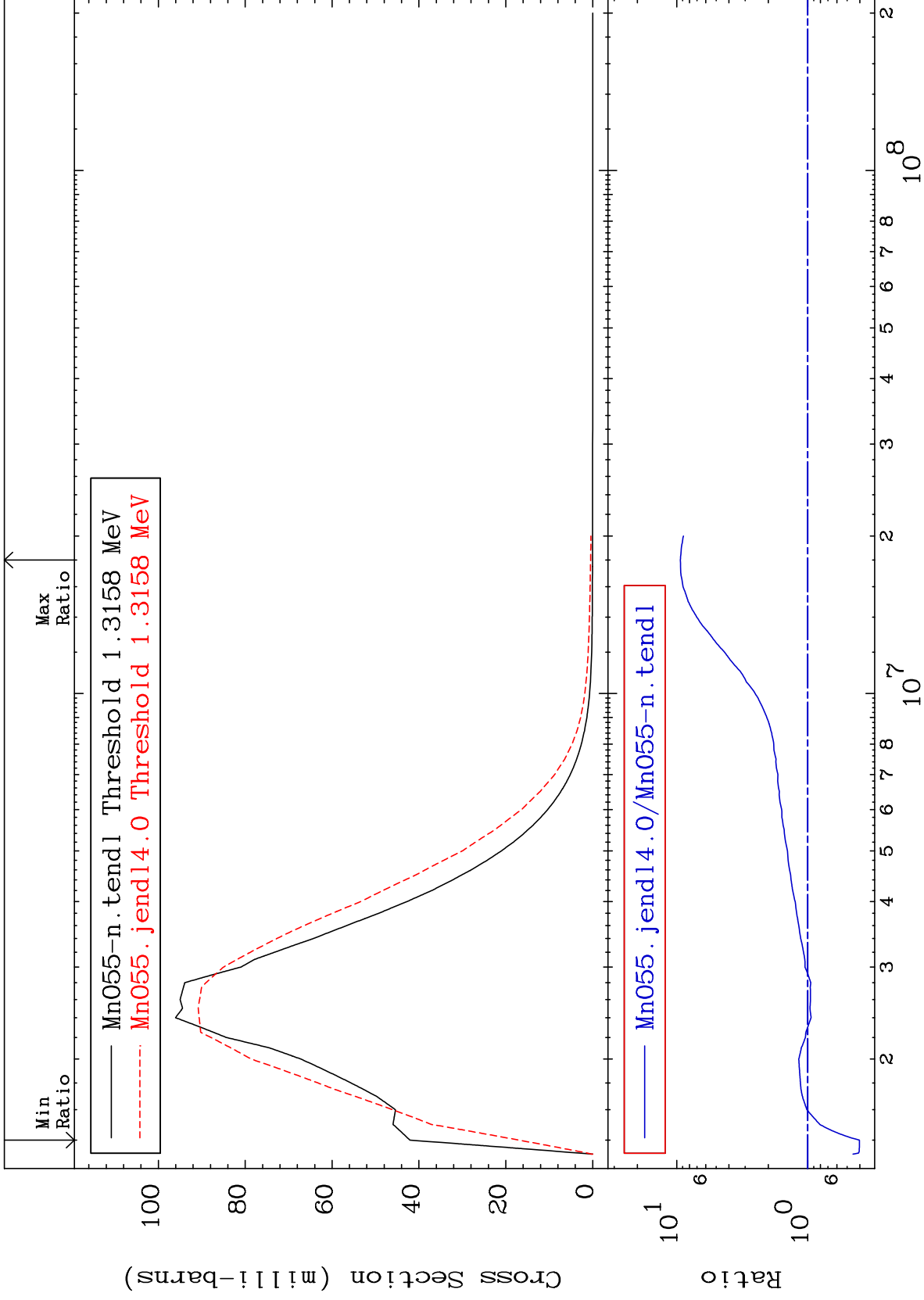




MAT 2525

1.292 MeV (n,n') Level  
Cross Section

25-Mn-55  
-59.69 To 837.9 %



10

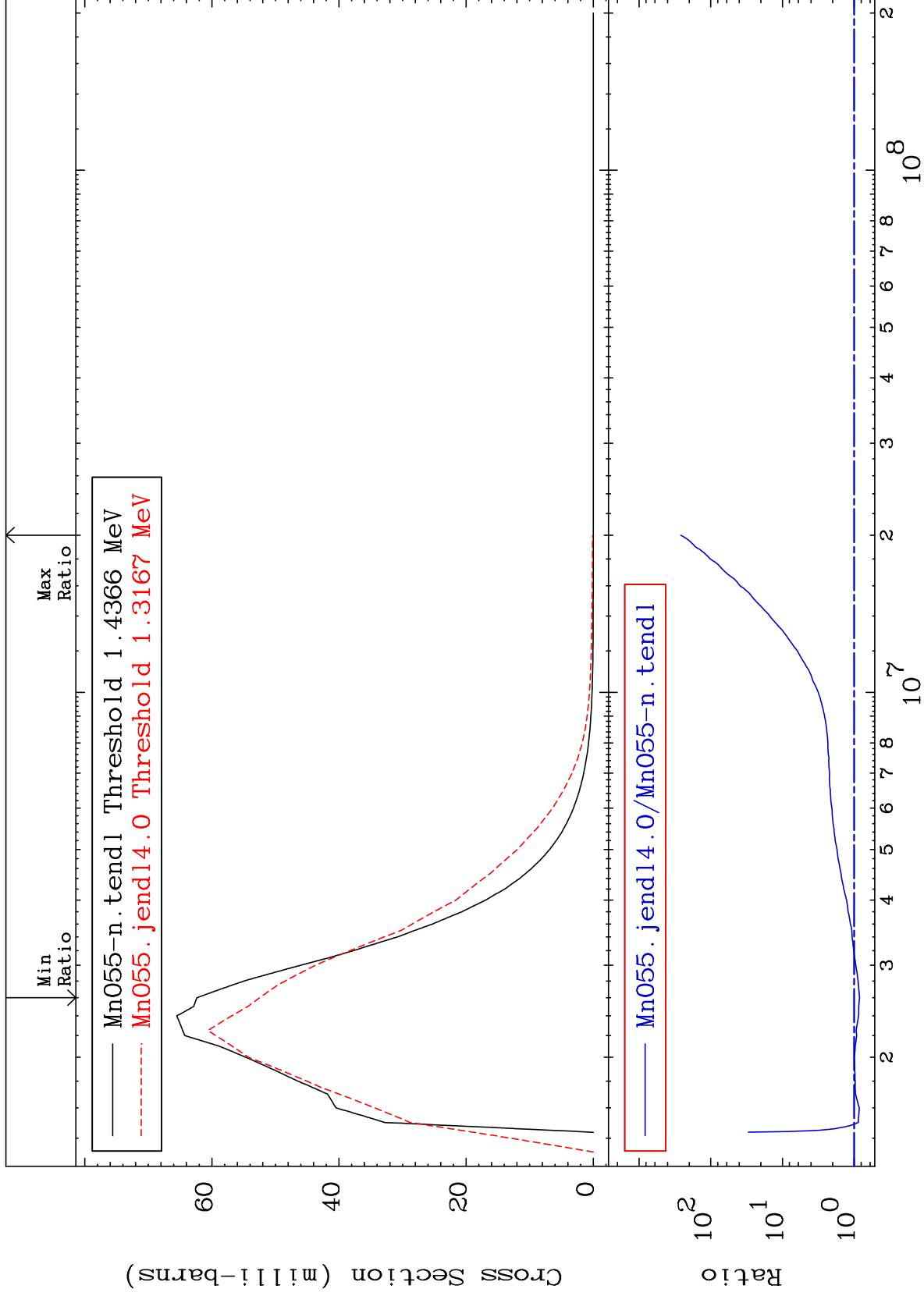
Incident Energy (eV)

25-Mn-55

MAT 2525

1.411 MeV (n,n') Level  
Cross Section

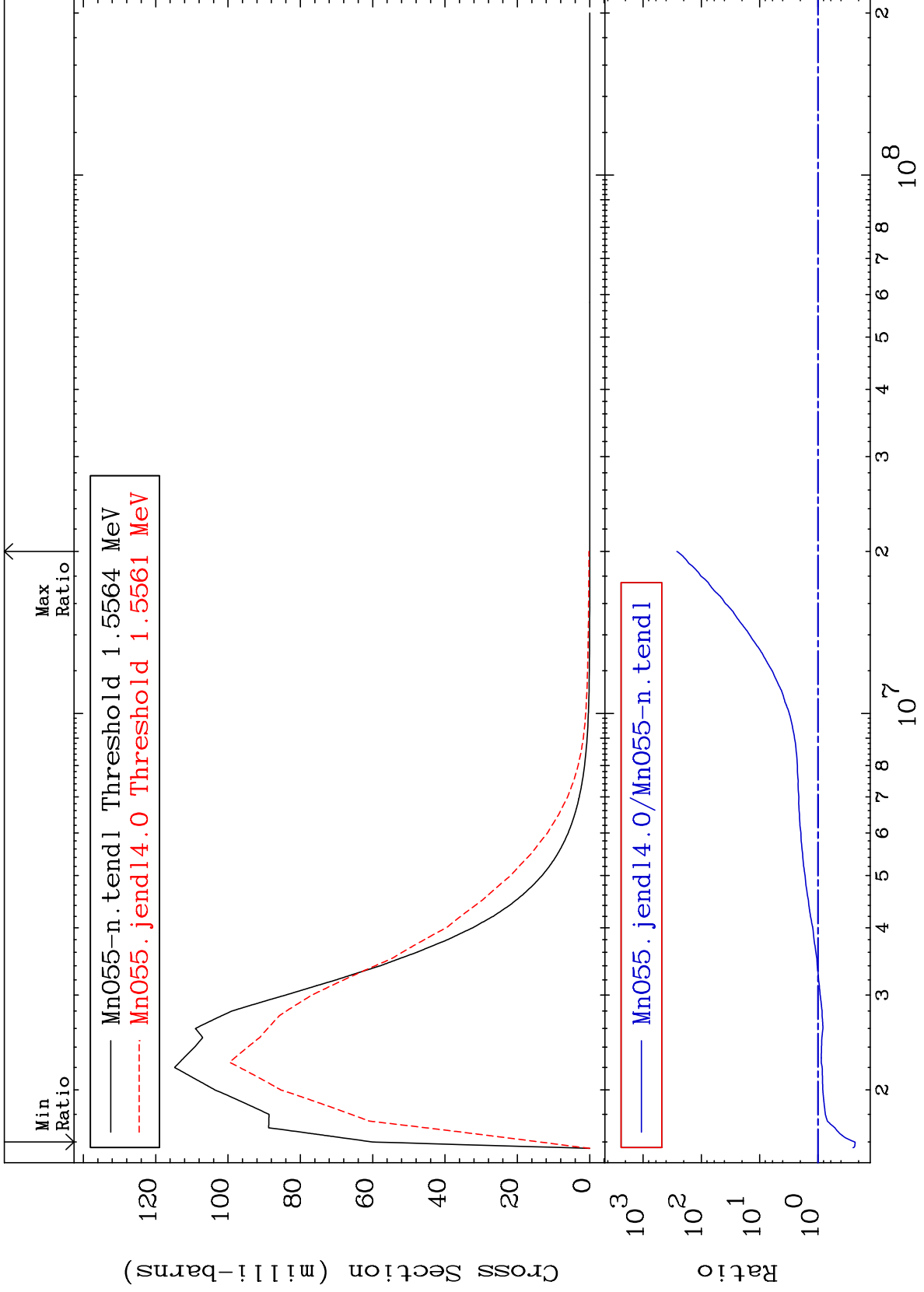
25-Mn-55  
-15.84 To 9999. %



MAT 2525

1.528 MeV (n,n') Level  
Cross Section

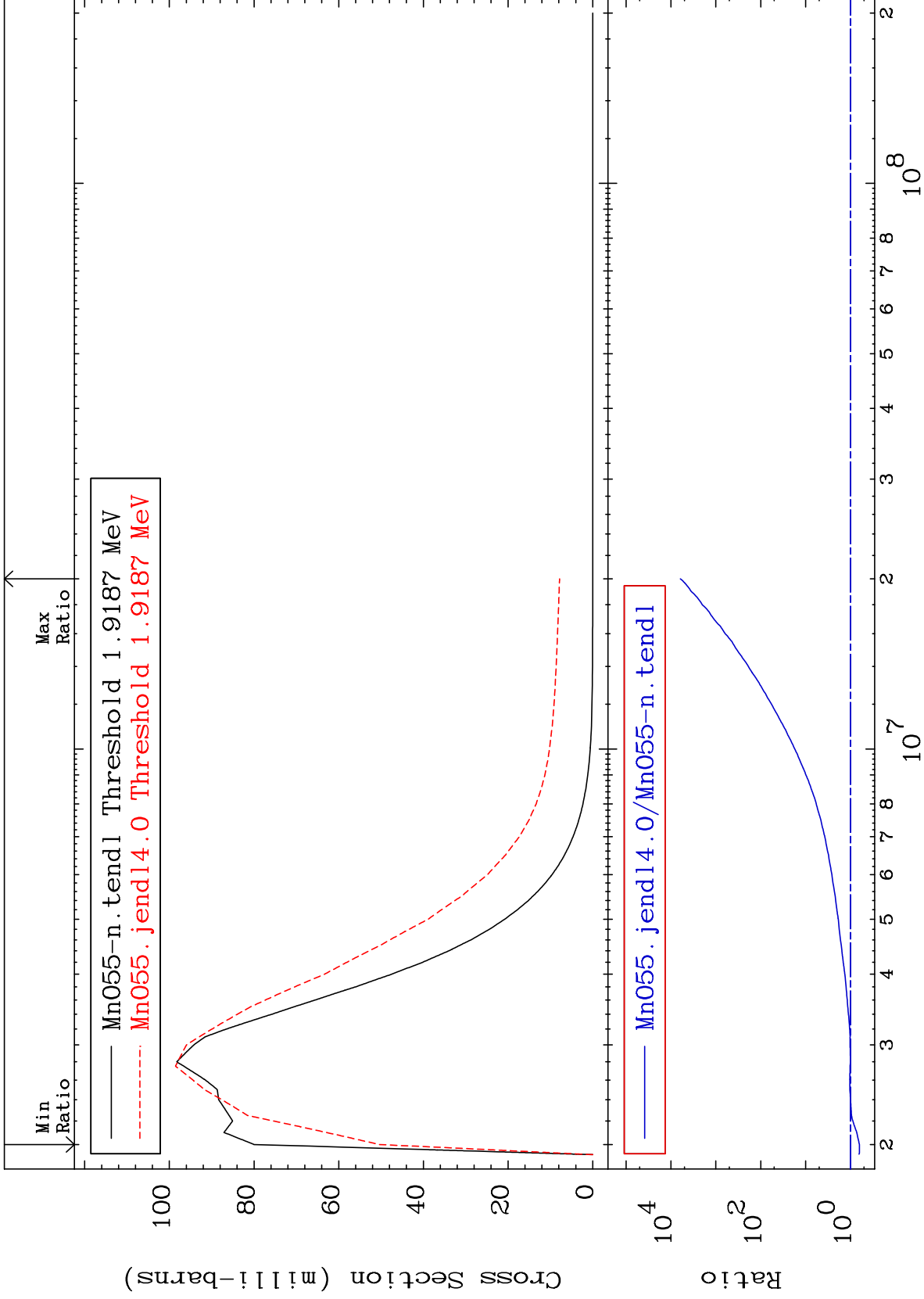
25-Mn-55  
-77.02 To 9999. %



MAT 2525

1.884 MeV (n,n') Level  
Cross Section

25-Mn-55  
-36.95 To 9999. %



13

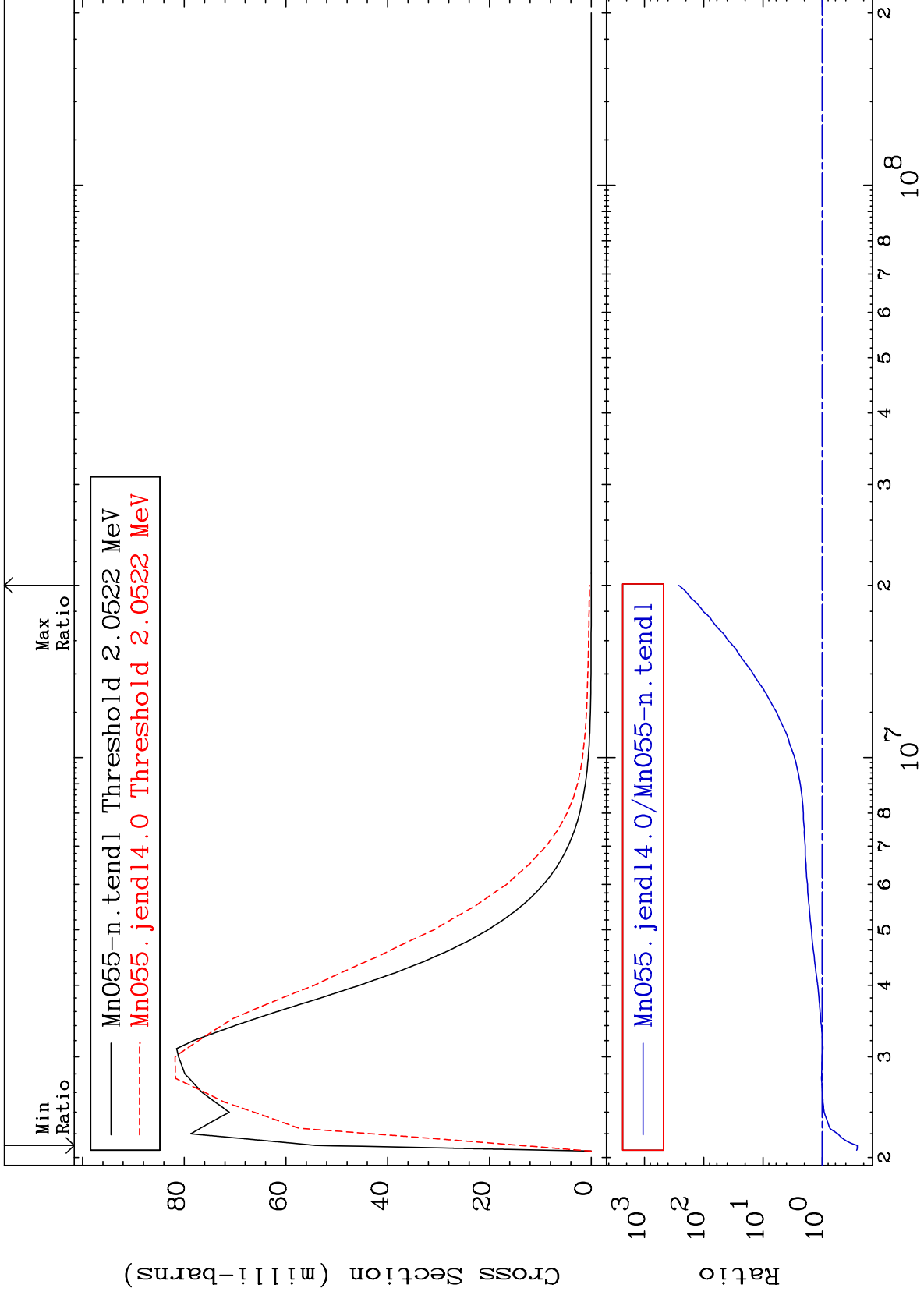
Incident Energy (eV)

25-Mn-55

MAT 2525

2.015 MeV (n,n') Level  
Cross Section

25-Mn-55  
-74.25 To 9999. %



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Incident Energy (eV)

25-Mn-55

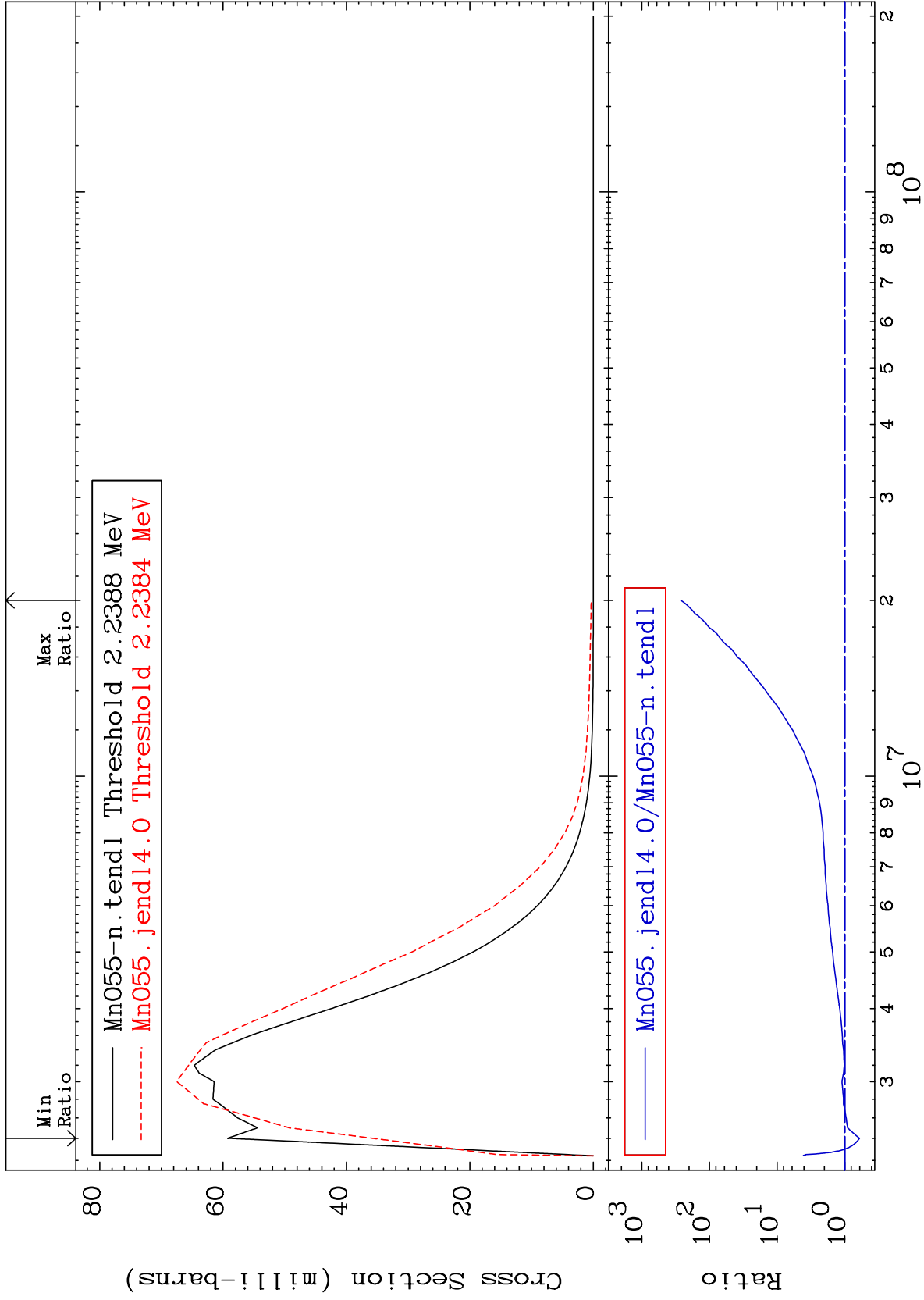
MAT 2525

2.198 MeV (n,n') Level

25-Mn-55

-39.64 To 9999. %

Cross Section



15

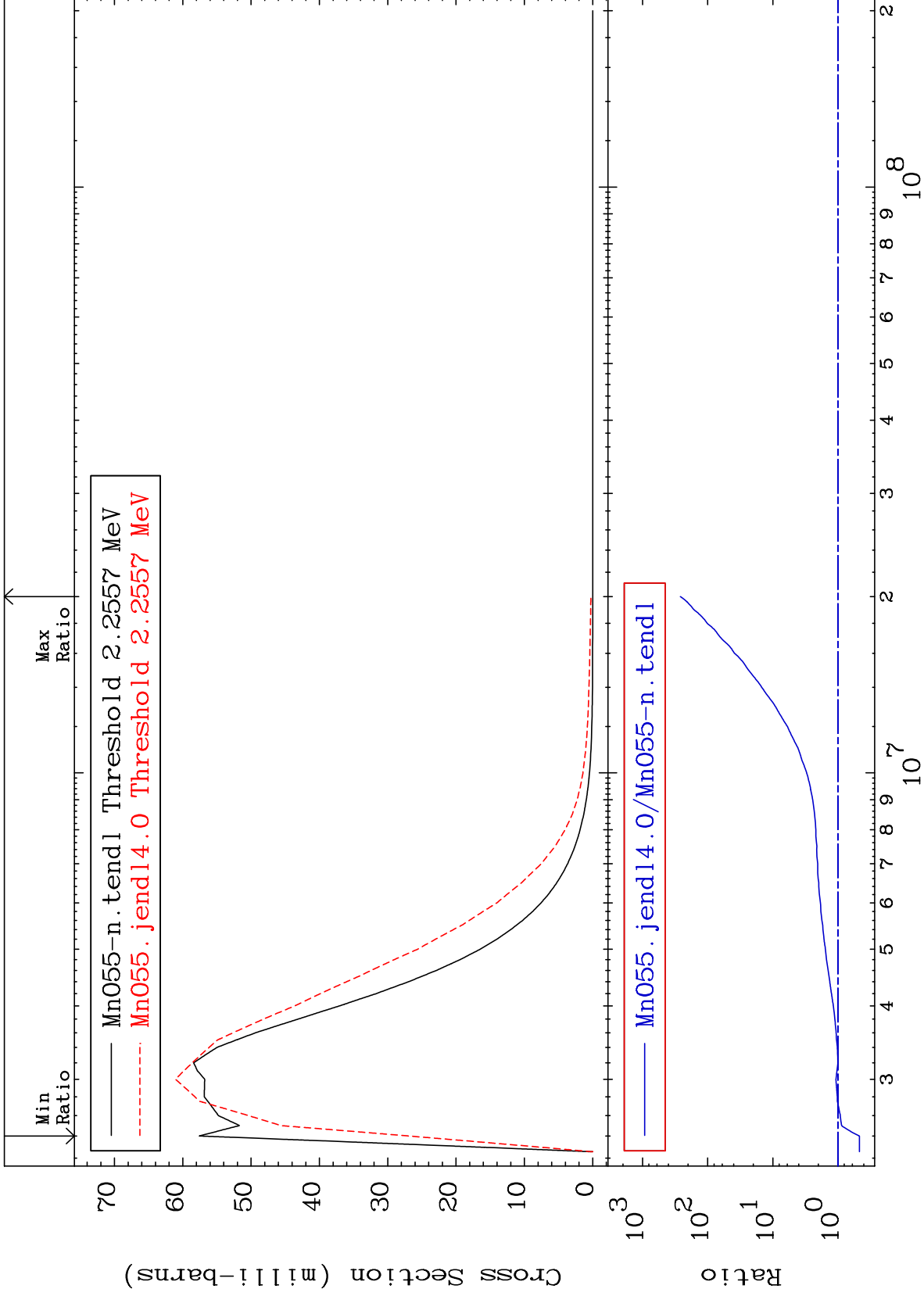
Incident Energy (eV)

25-Mn-55

MAT 2525

2.215 MeV (n,n') Level  
Cross Section

25-Mn-55  
-53.20 To 9999. %



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Incident Energy (eV)

25-Mn-55



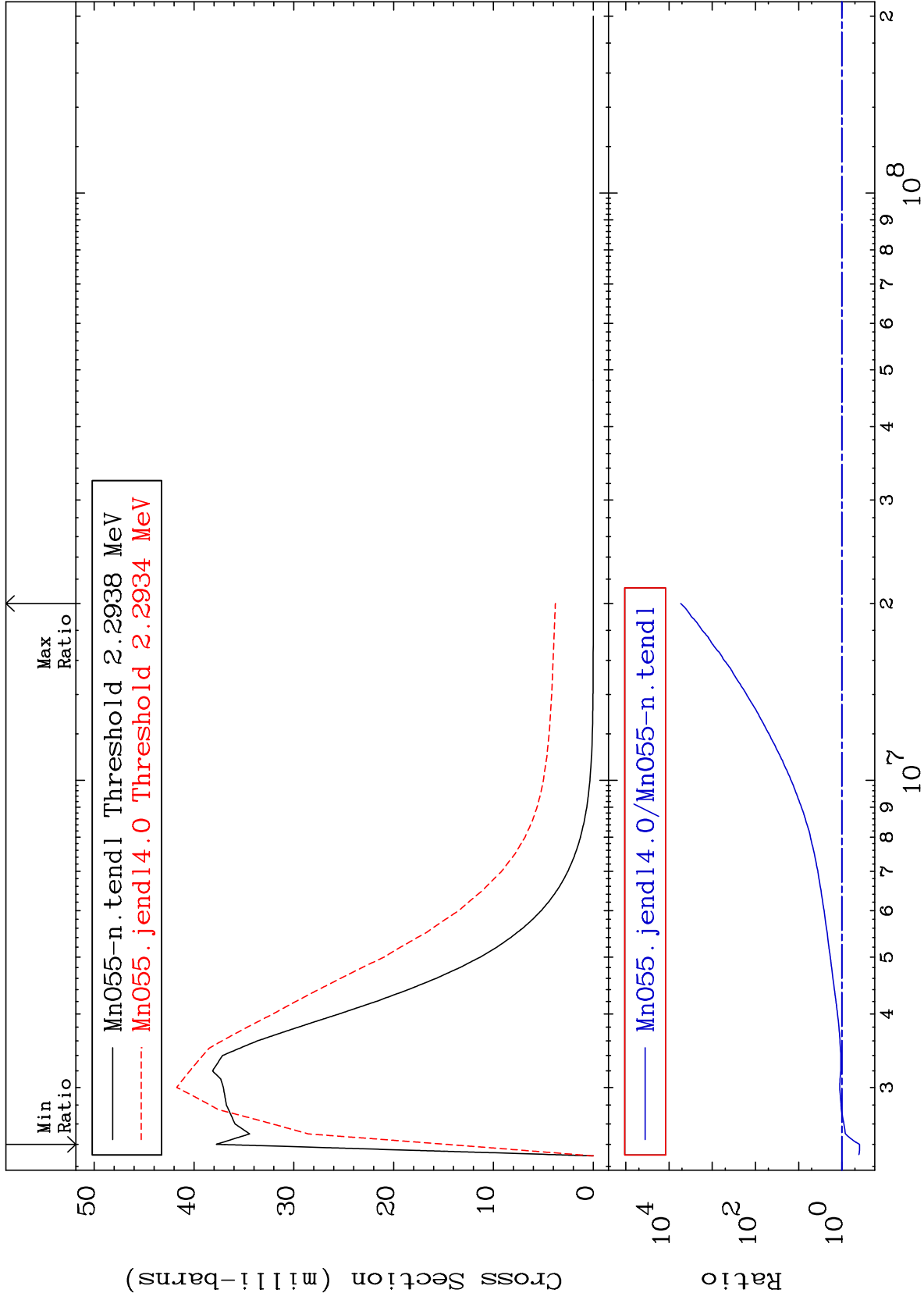
MAT 2525

2.252 MeV (n,n') Level

<sup>25</sup>Mn-55

-60.99 To 9999. %

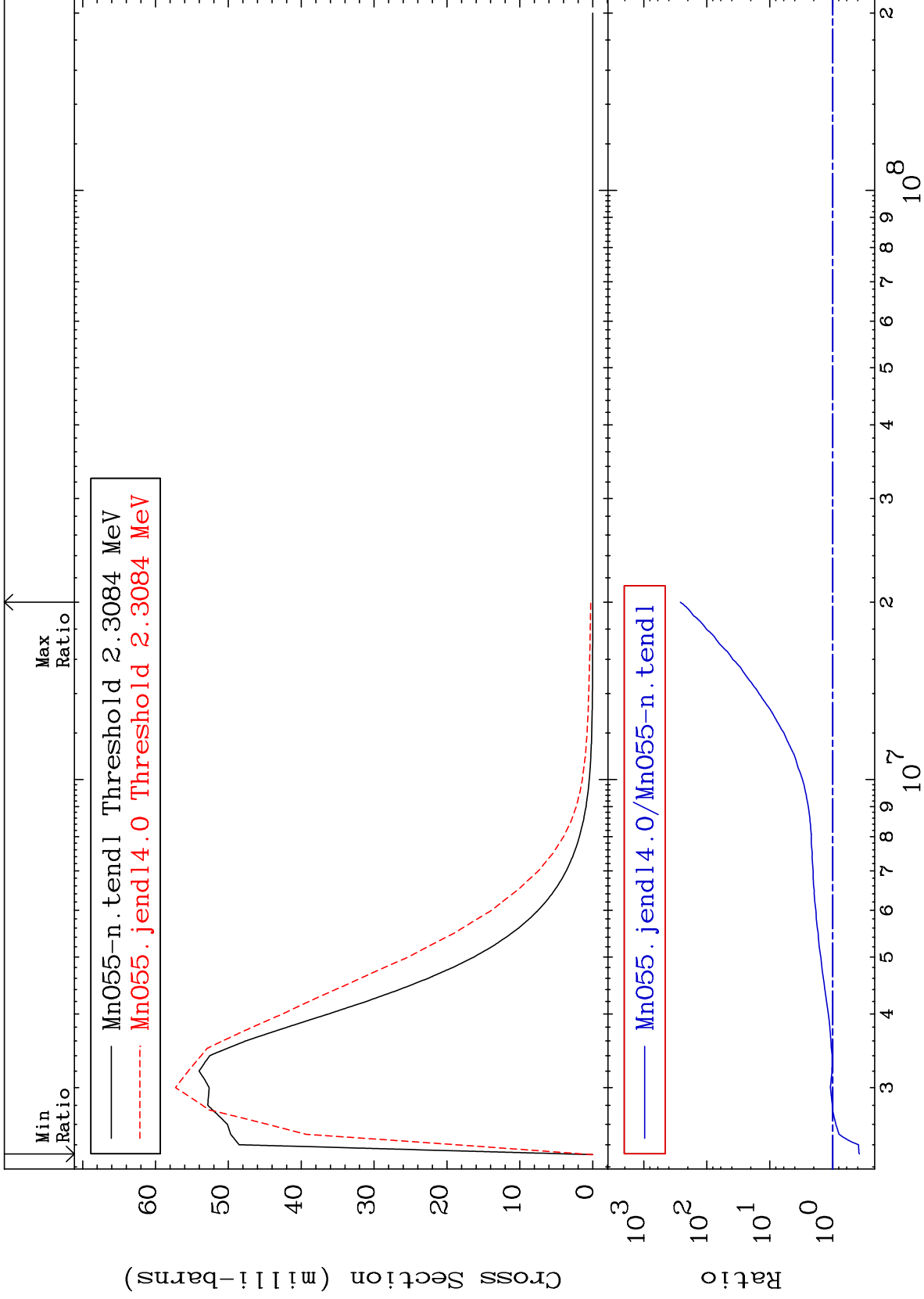
Cross Section



MAT 2525

2.267 MeV (n,n') Level  
Cross Section

25-Mn-55  
-62.36 To 9999. %

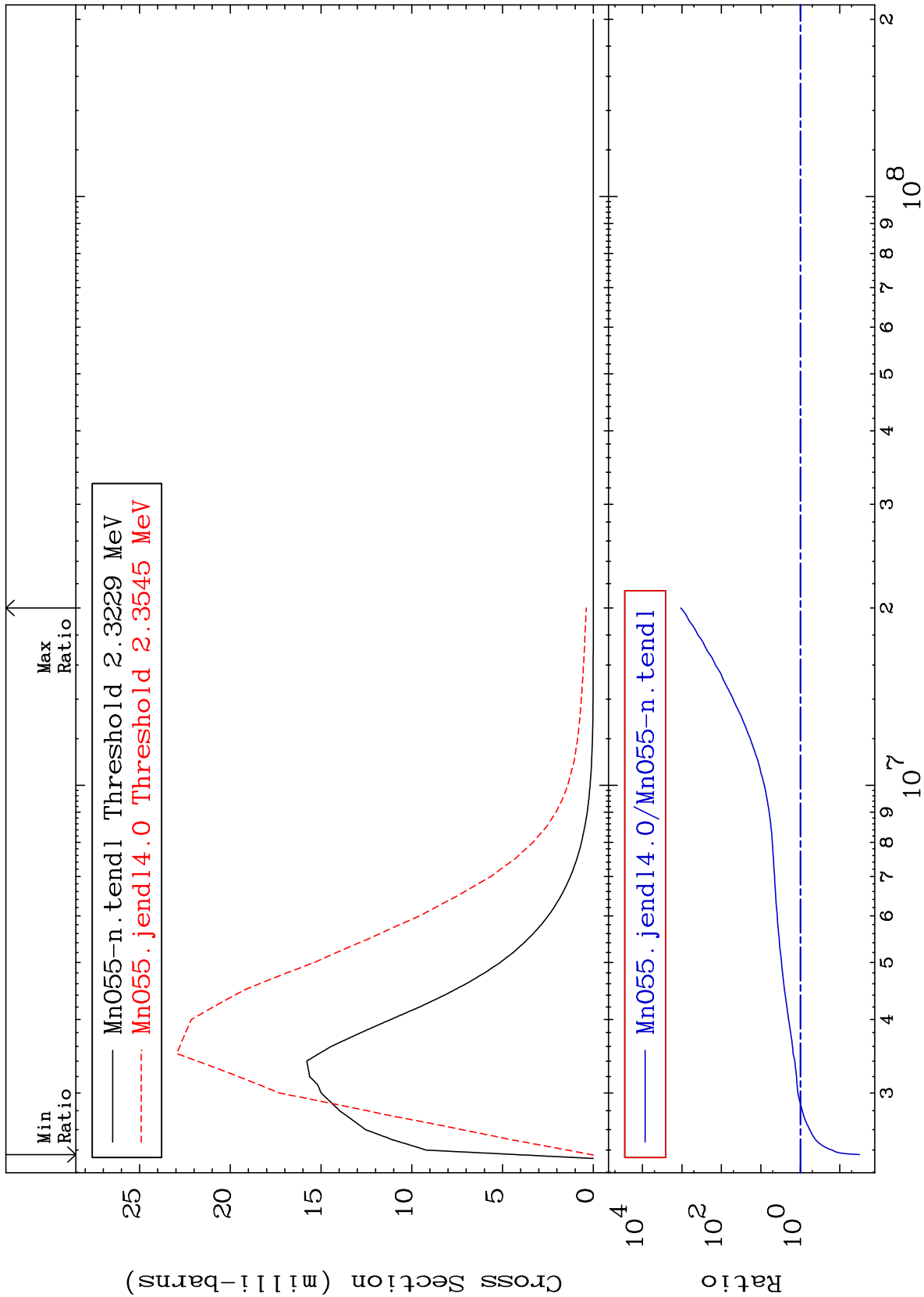


18

Incident Energy (eV)

25-Mn-55

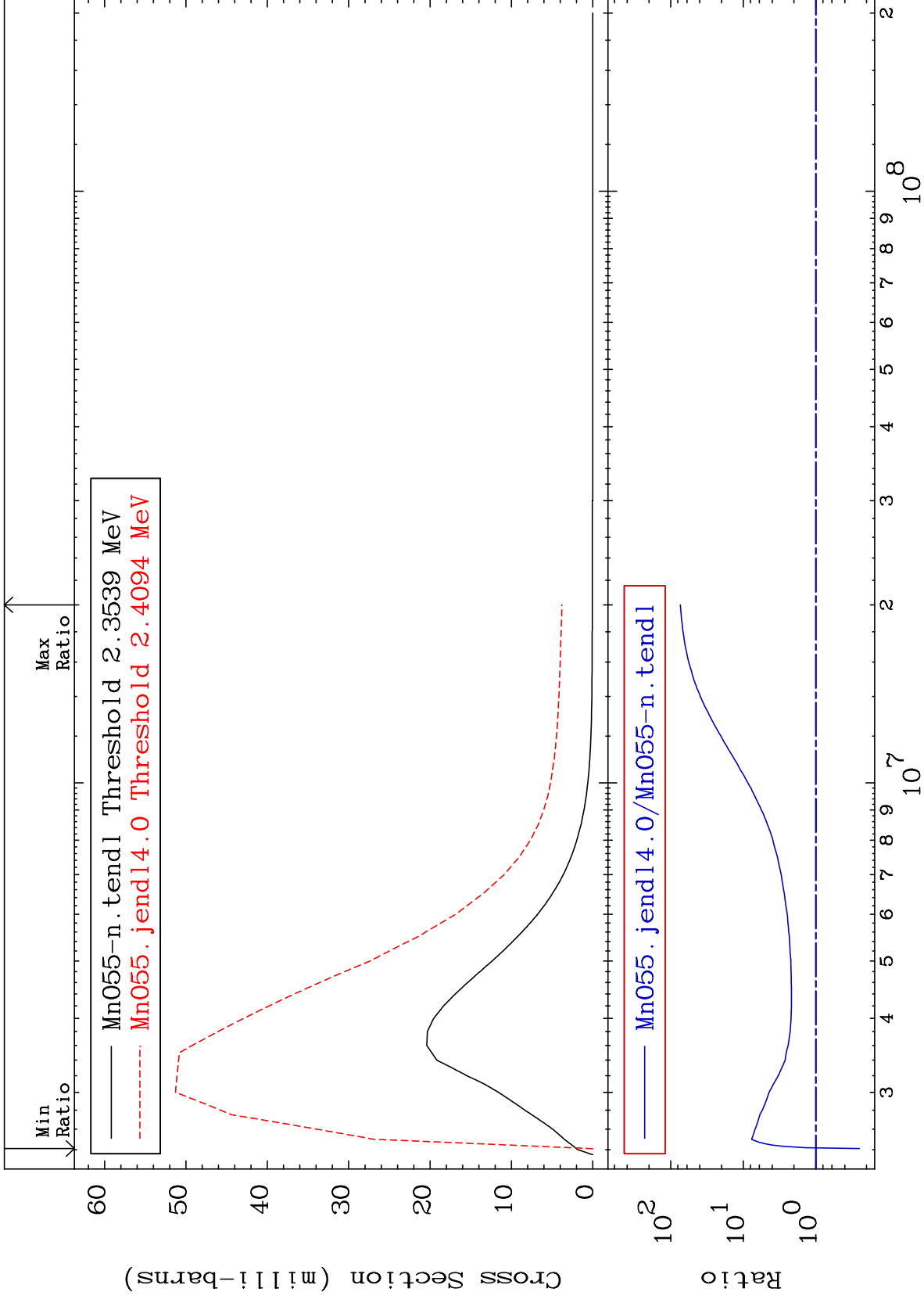
MAT 2525                      2.281 MeV (n,n') Level                      25-Mn-55  
 Cross Section                      -96.85 To 9999. %



MAT 2525

2.311 MeV (n,n') Level  
Cross Section

25-Mn-55  
-74.90 To 7287. %



20

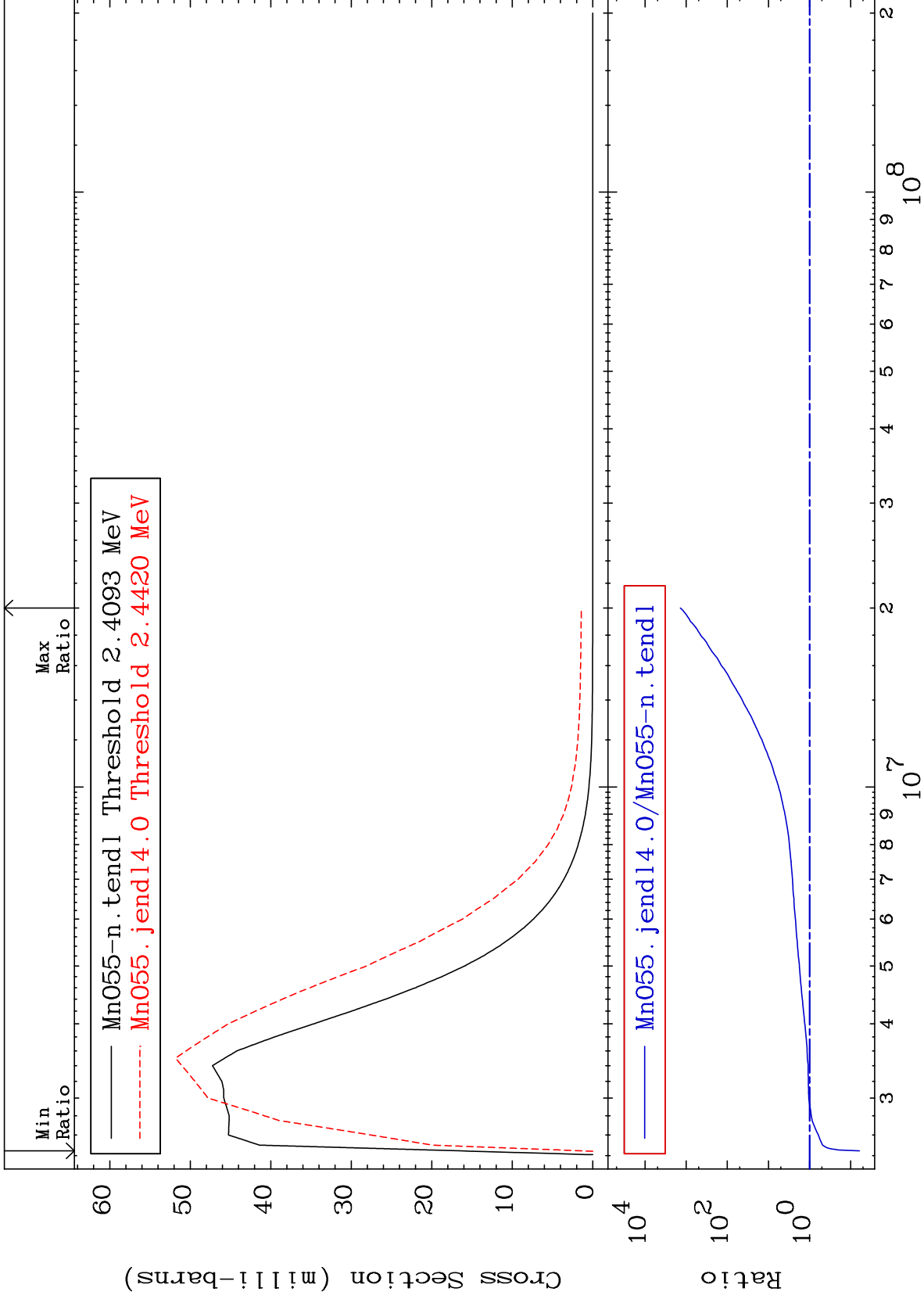
Incident Energy (eV)

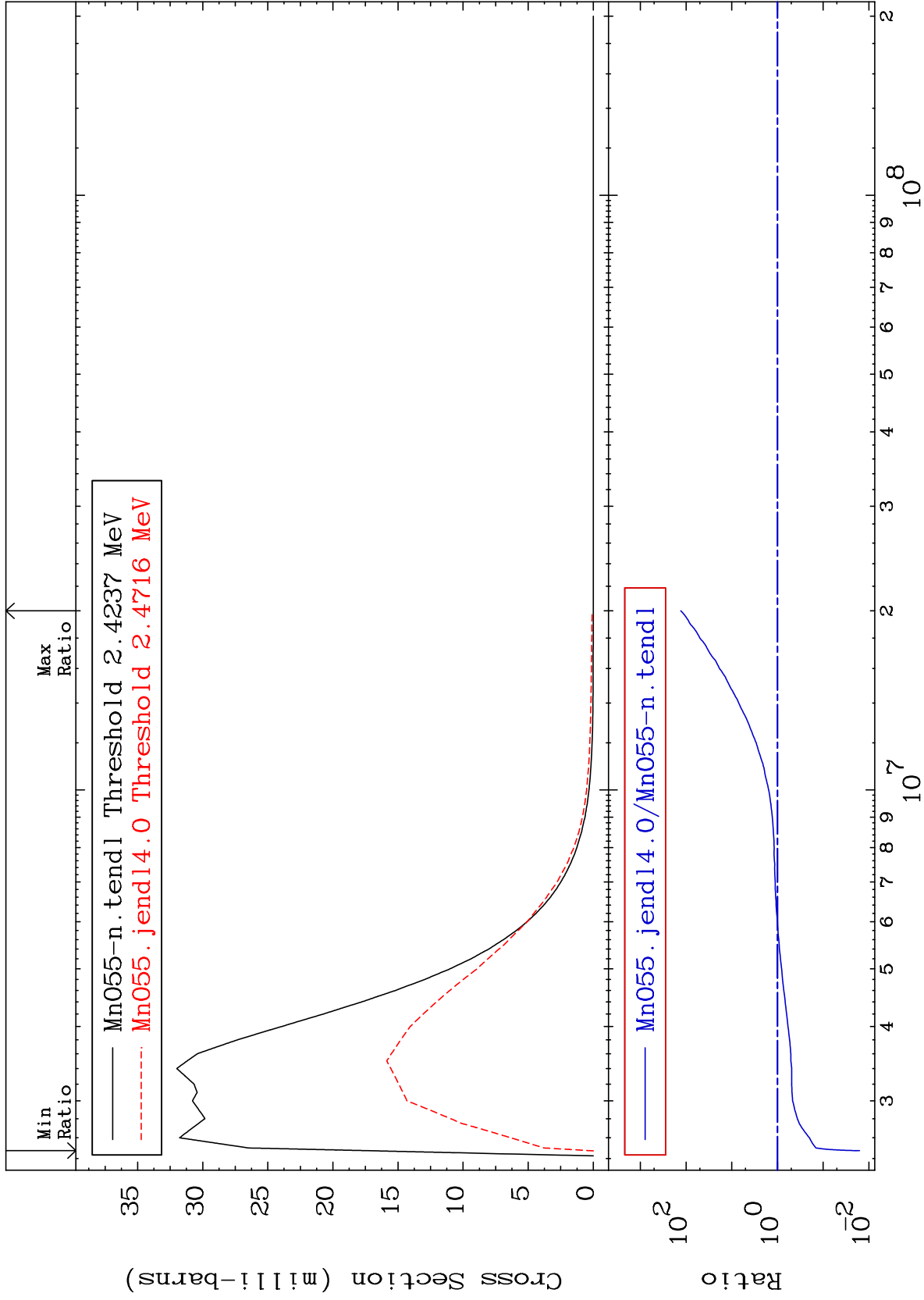
25-Mn-55

MAT 2525

2.366 MeV (n,n') Level  
Cross Section

25-Mn-55  
-93.89 To 9999. %

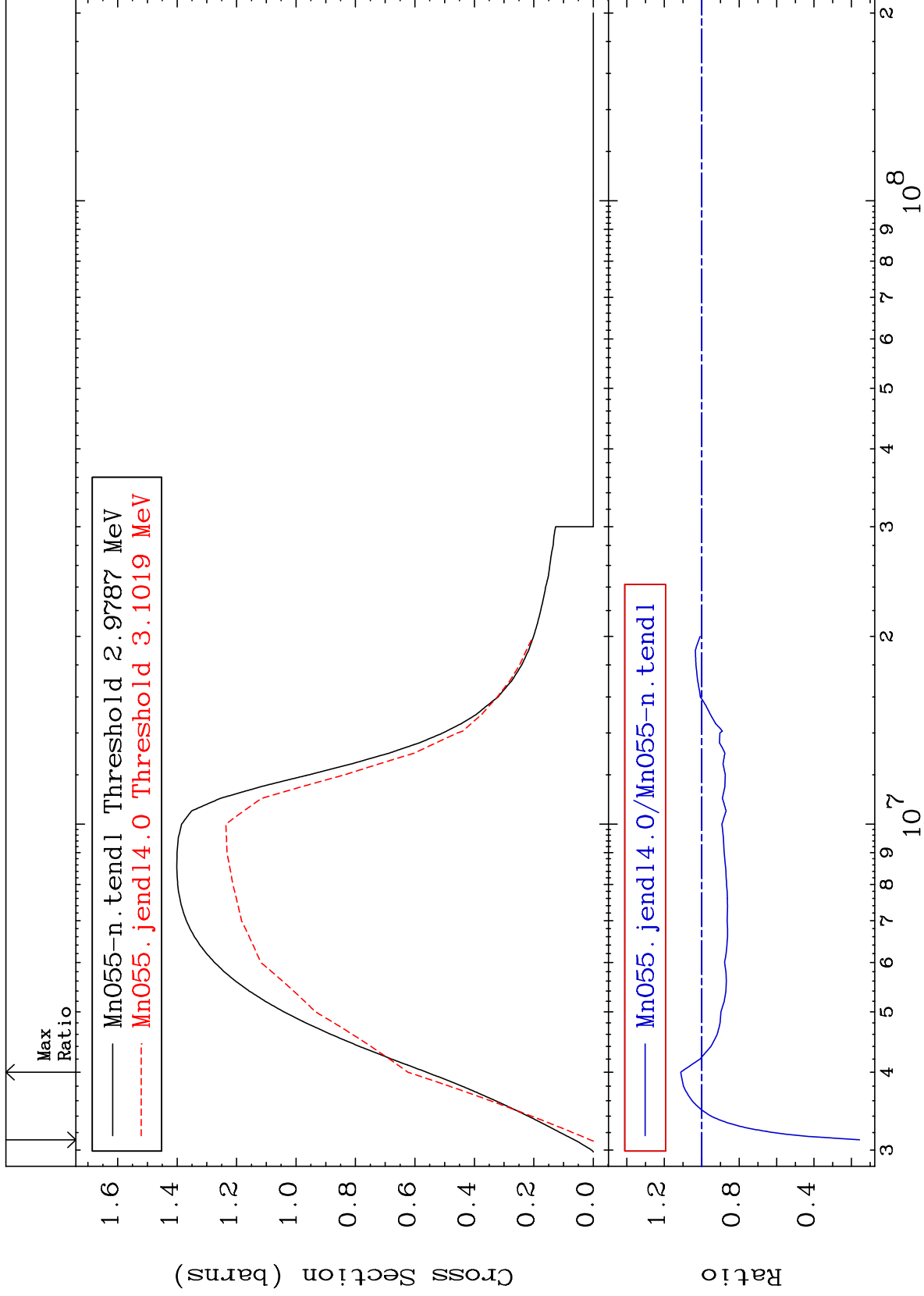




MAT 2525

(n, n') Continuum  
Cross Section

<sup>25</sup>Mn-55  
-84.32 To 11.22 %



MAT 2525

(n,  $\gamma$ )

Cross Section

25-Mn-55

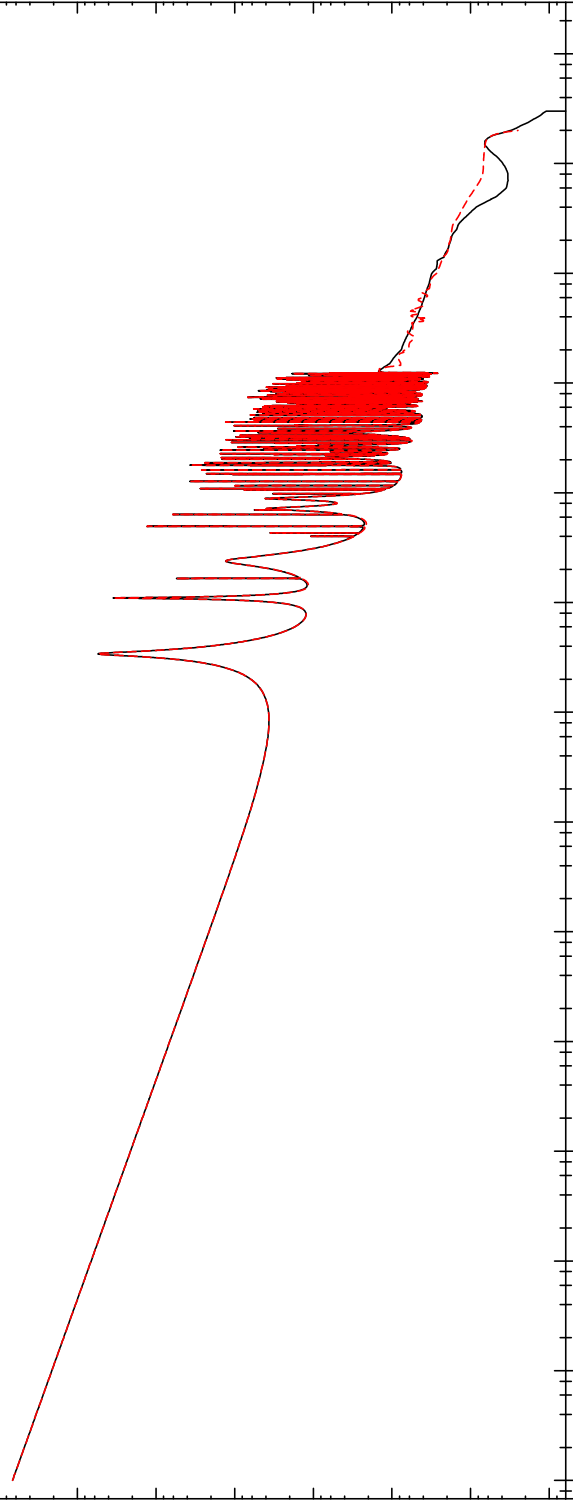
-33.23 To 146.4 %

Min Ratio

Max Ratio

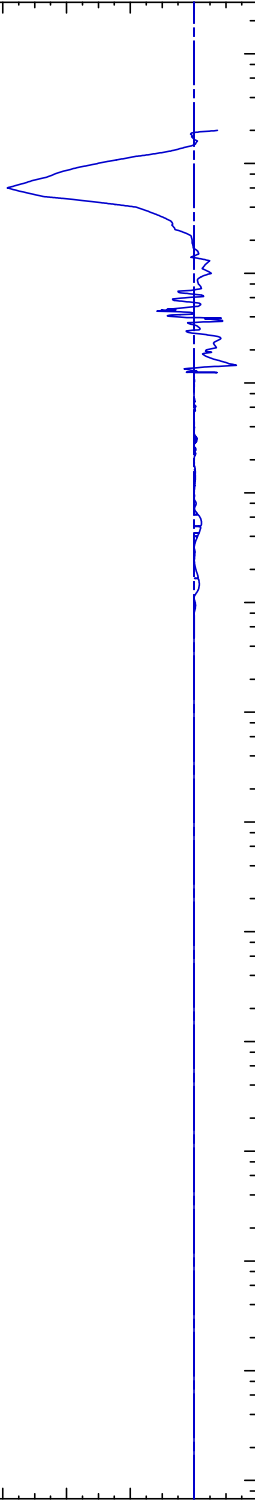
Mn055-n.tendl  
Mn055.jendl4.0

Cross Section (barns)



Mn055.jendl4.0/Mn055-n.tendl

Ratio



24

Incident Energy (eV)

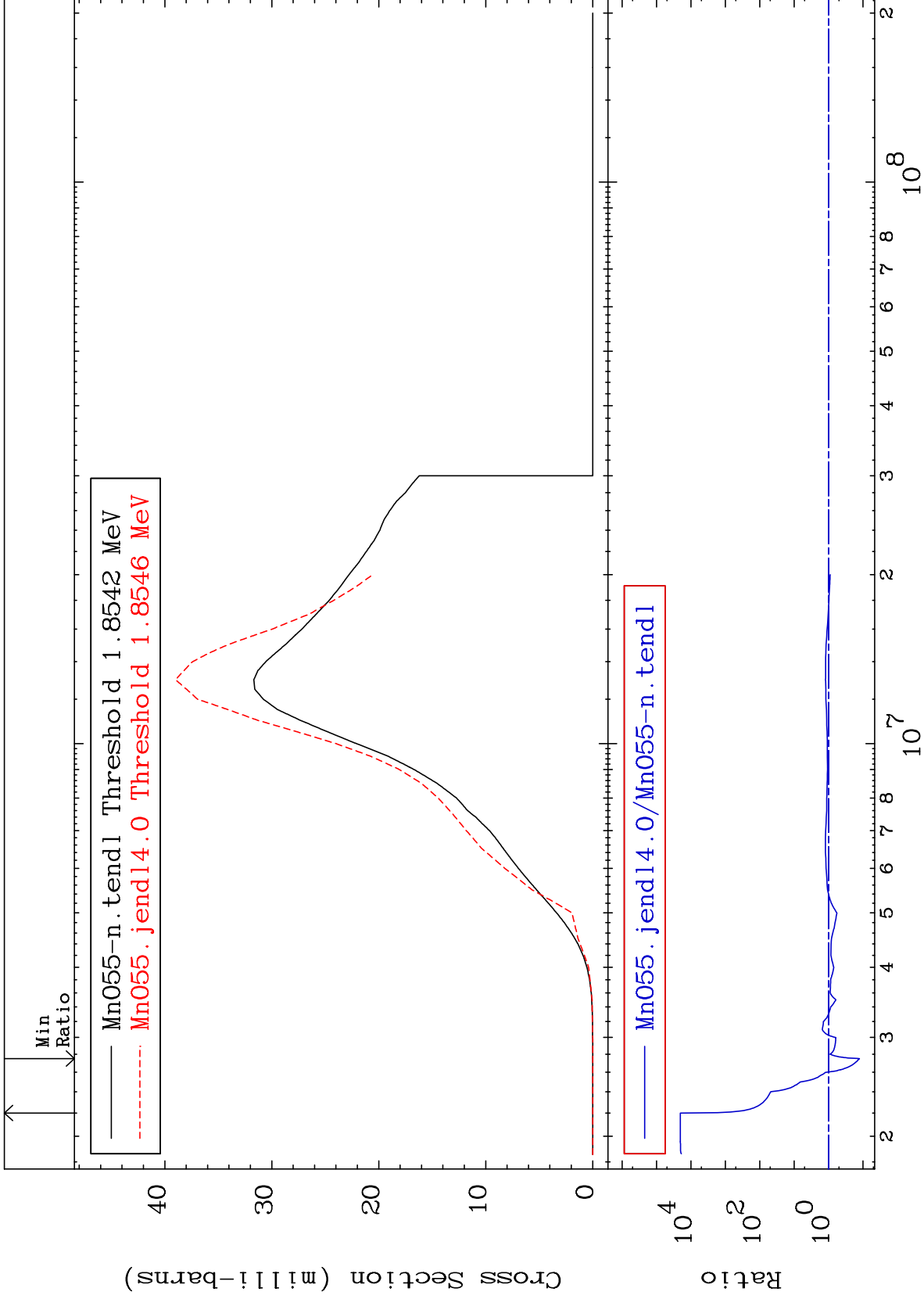
25-Mn-55



MAT 2525

(n,p)  
Cross Section

<sup>25</sup>Mn-55  
-87.26 To 9999. %



25

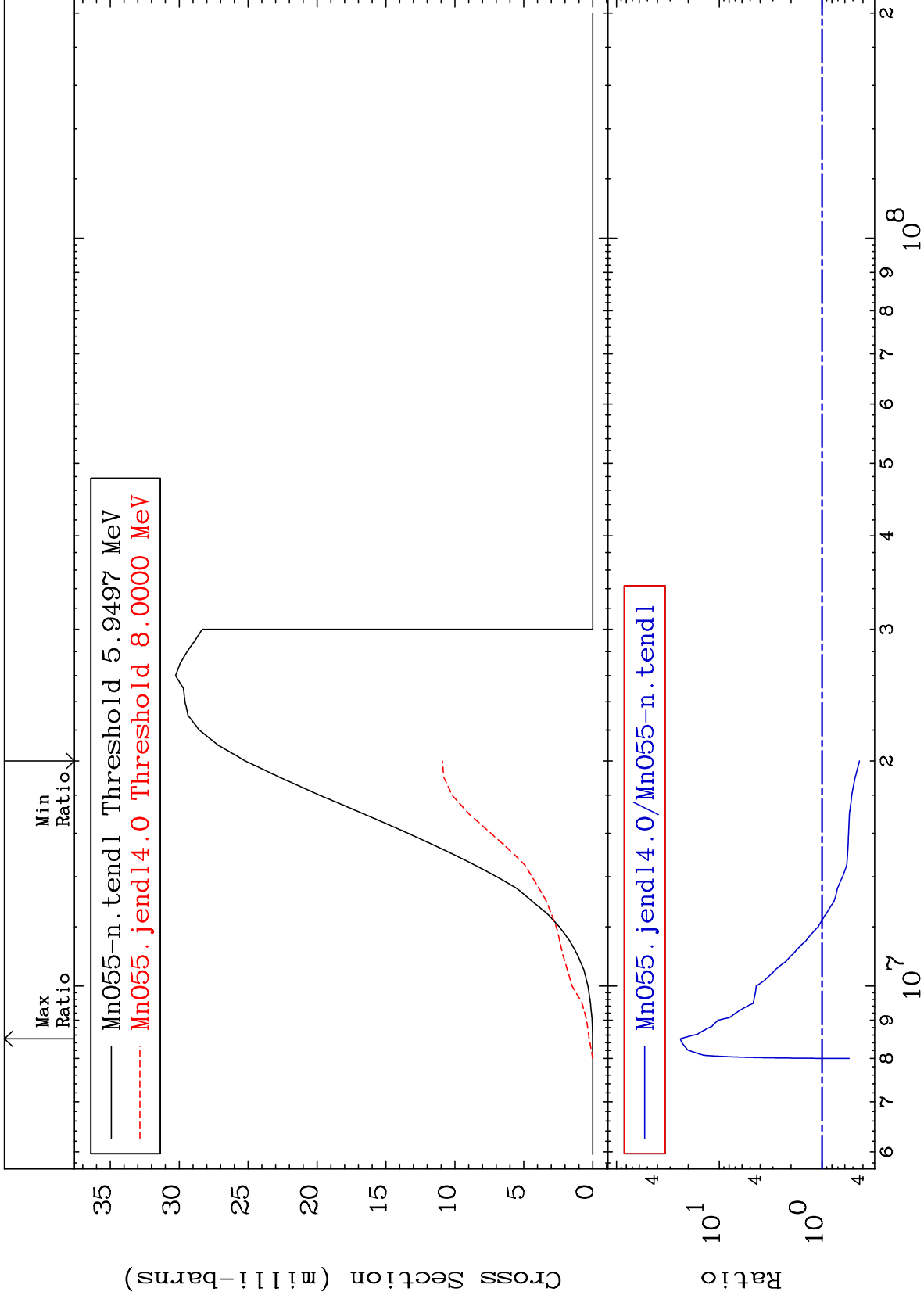
Incident Energy (eV)

<sup>25</sup>Mn-55

MAT 2525

(n, d)  
Cross Section

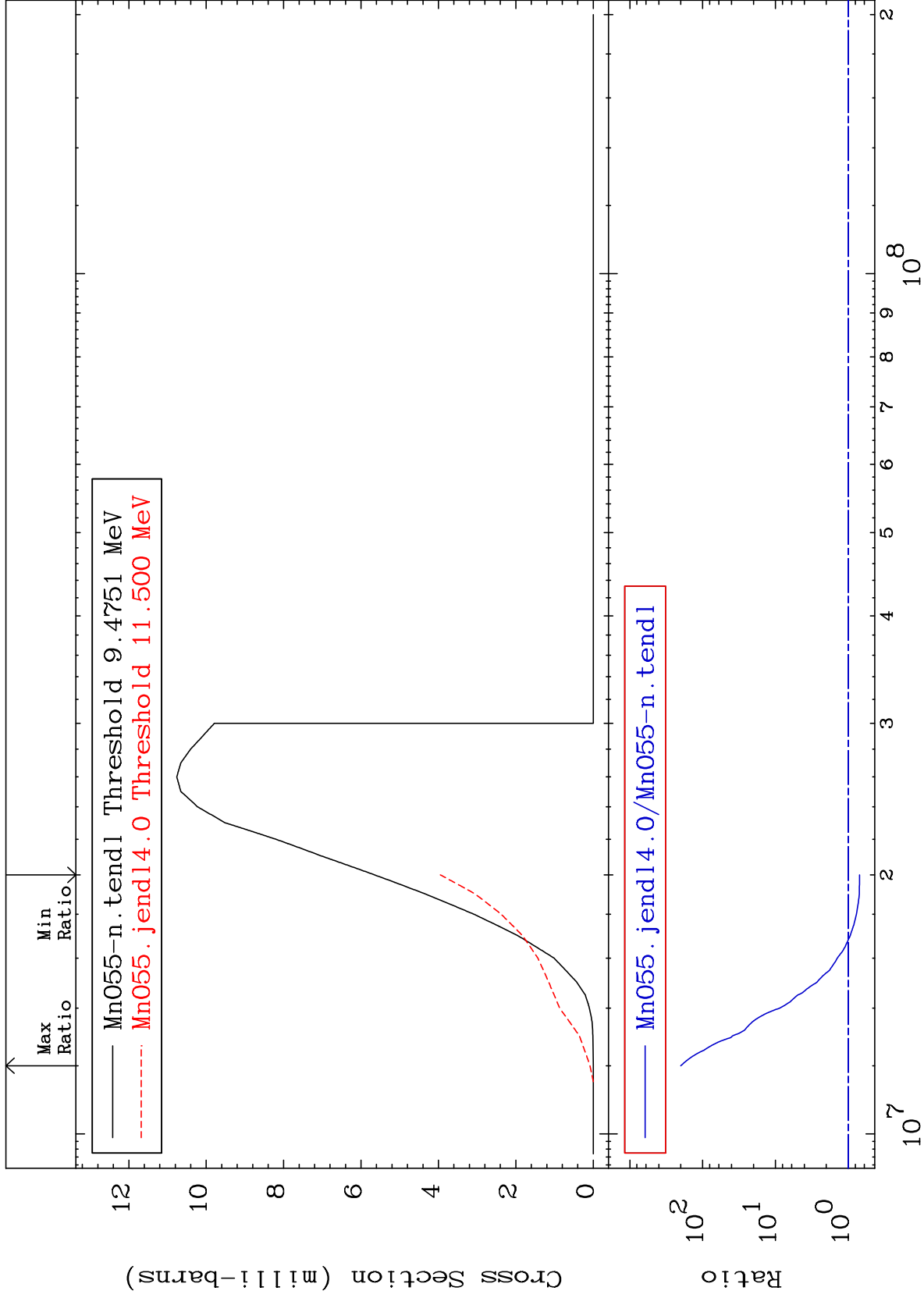
25-Mn-55  
-56.76 To 2288. %



MAT 2525

(n, t)  
Cross Section

25-Mn-55  
-30.11 To 9999. %



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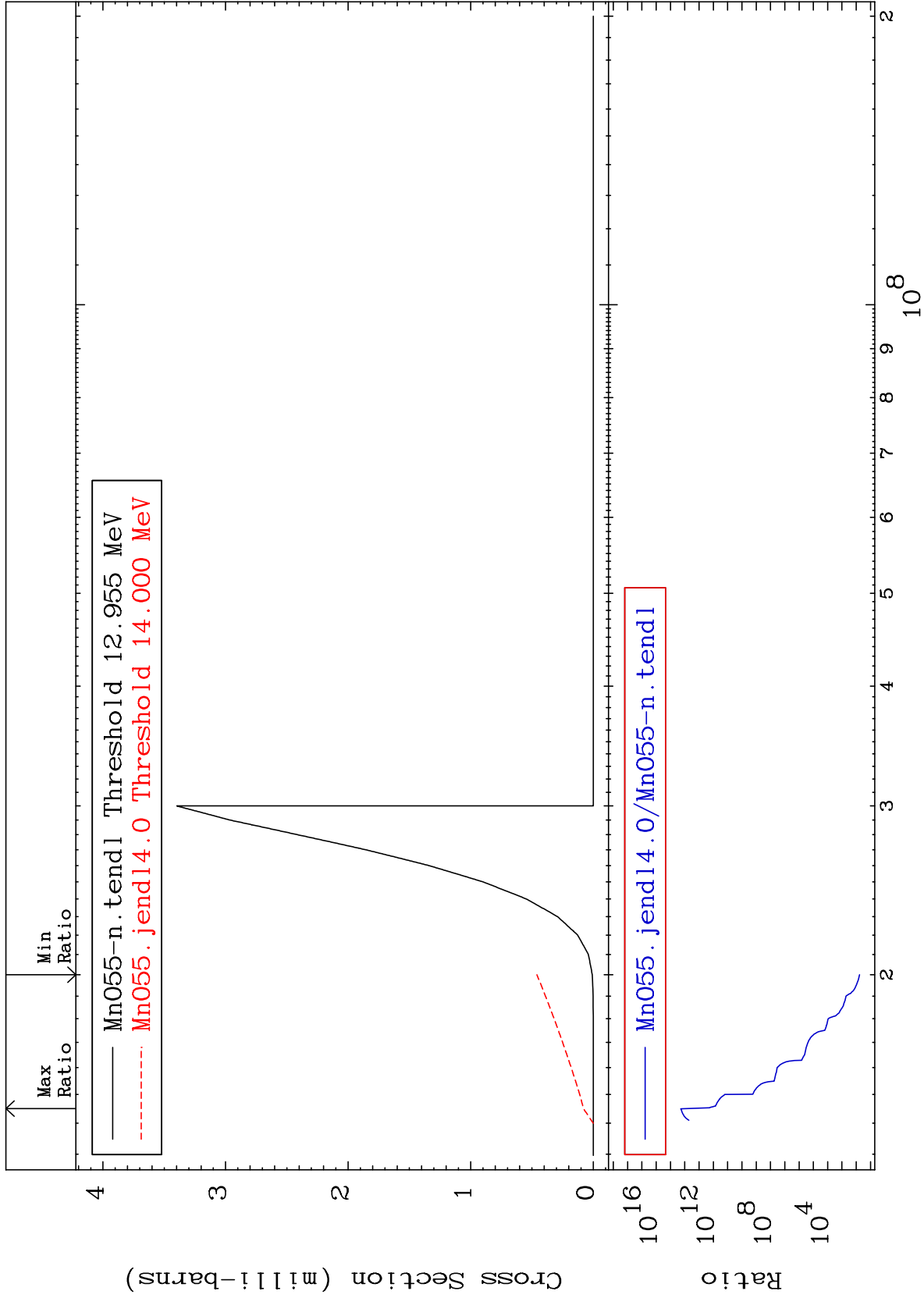
Incident Energy (eV)

25-Mn-55

MAT 2525

(n,He-3)  
Cross Section

25-Mn-55  
5763. To 9999. %



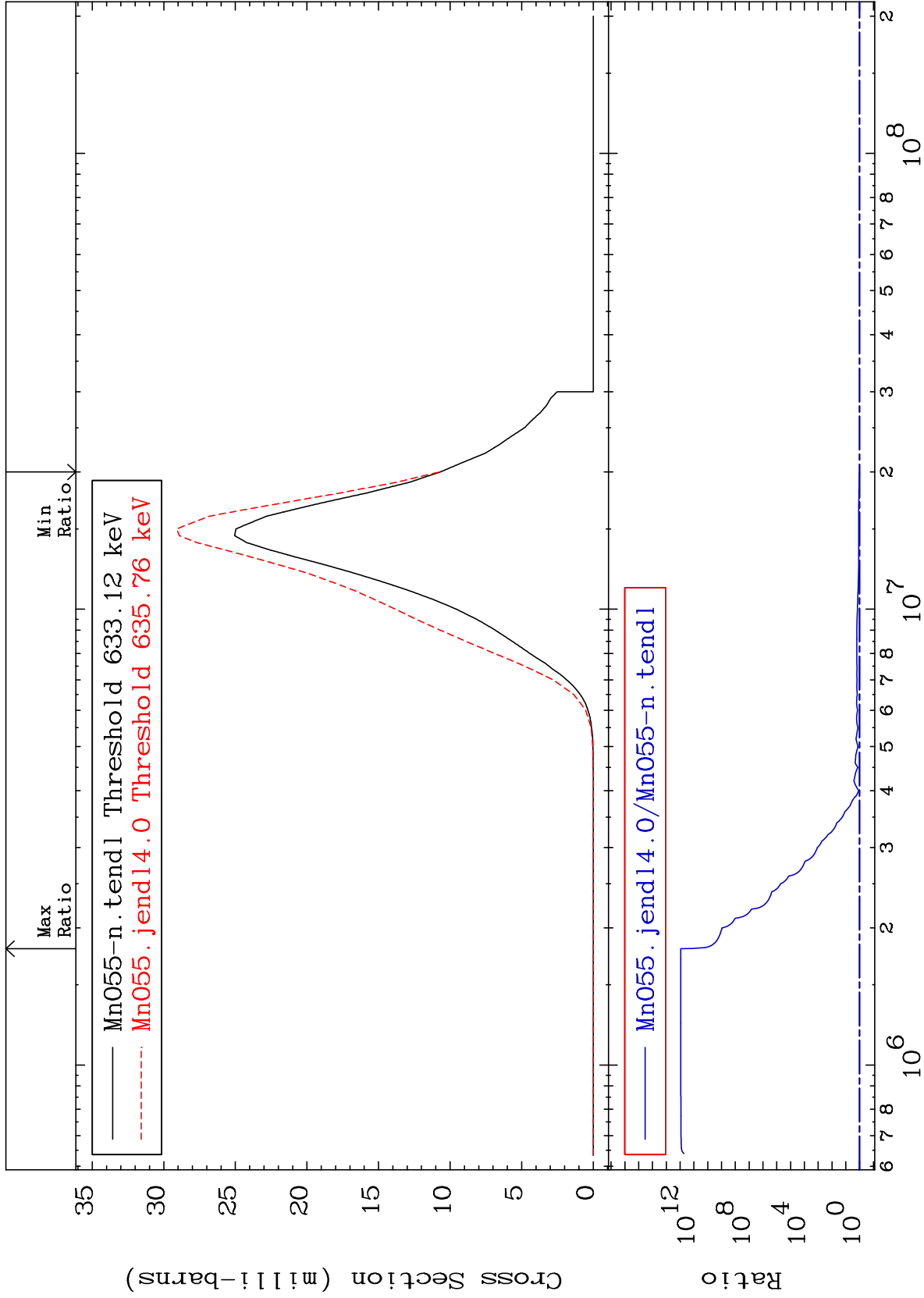
MAT 2525

(n,  $\alpha$ )

25-Mn-55

Cross Section

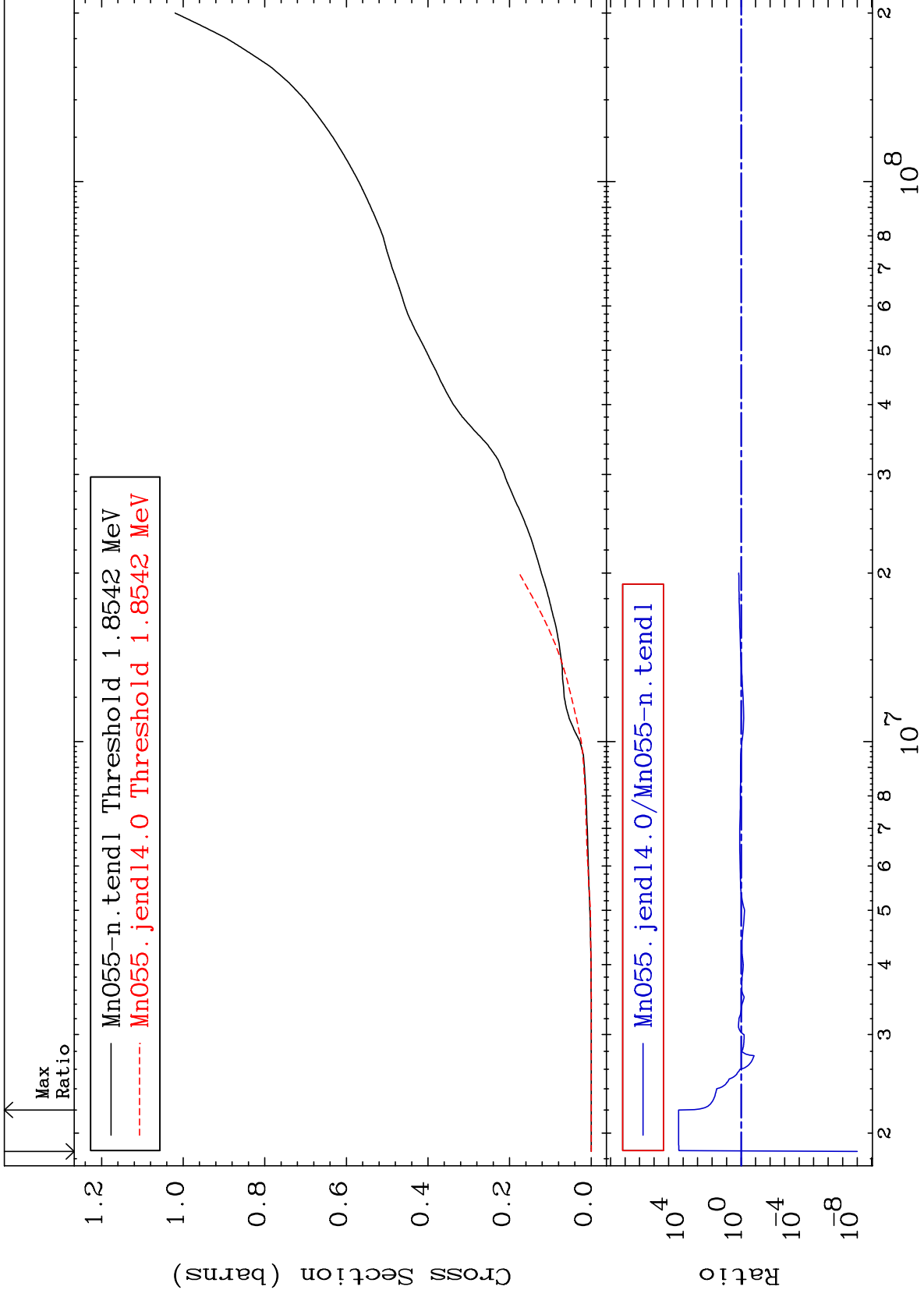
0.597 To 9999. %



MAT 2525

Hydrogen Production  
Cross Section

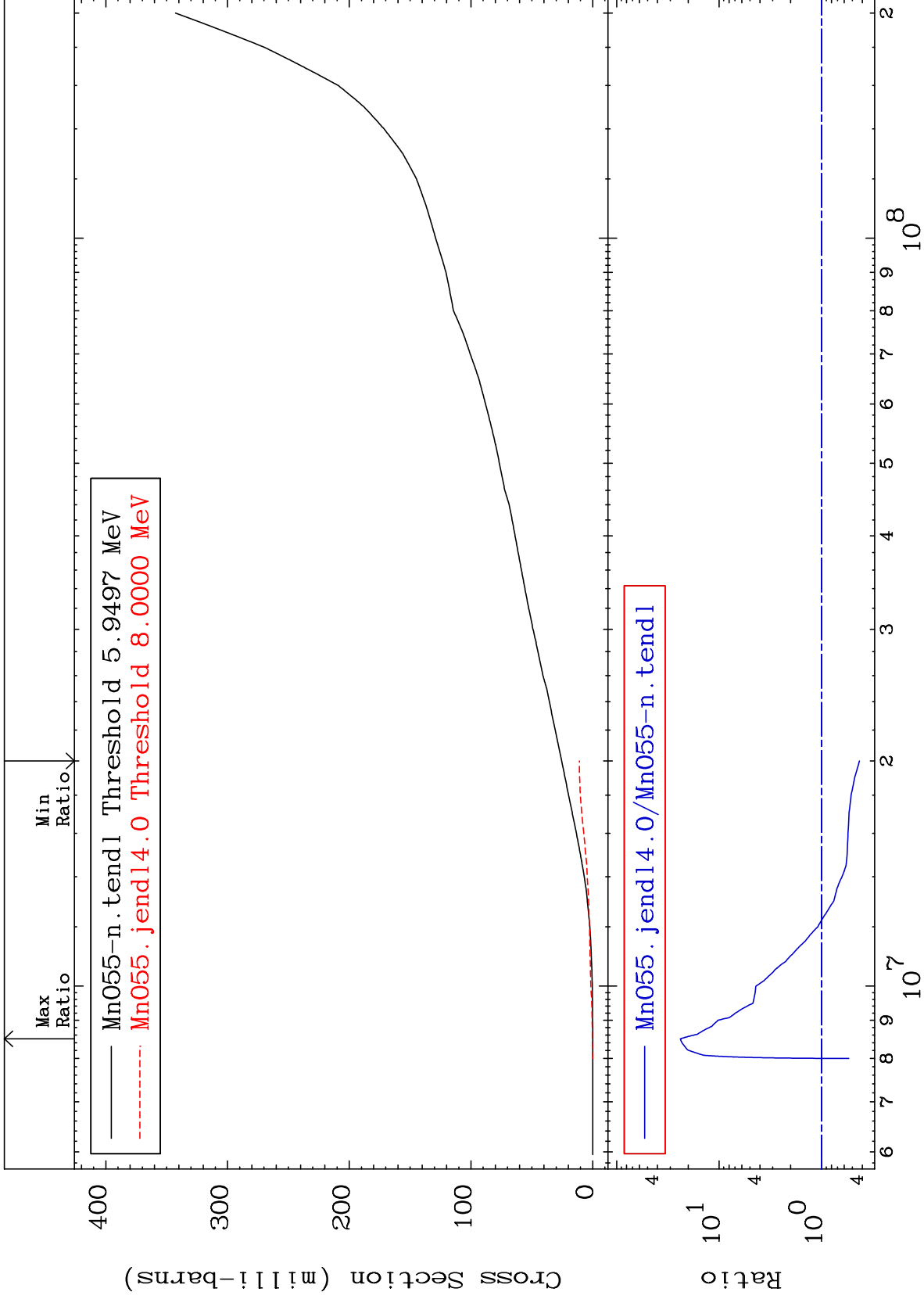
<sup>25</sup>Mn-55  
-100.0 To 9999. %



30

Incident Energy (eV)

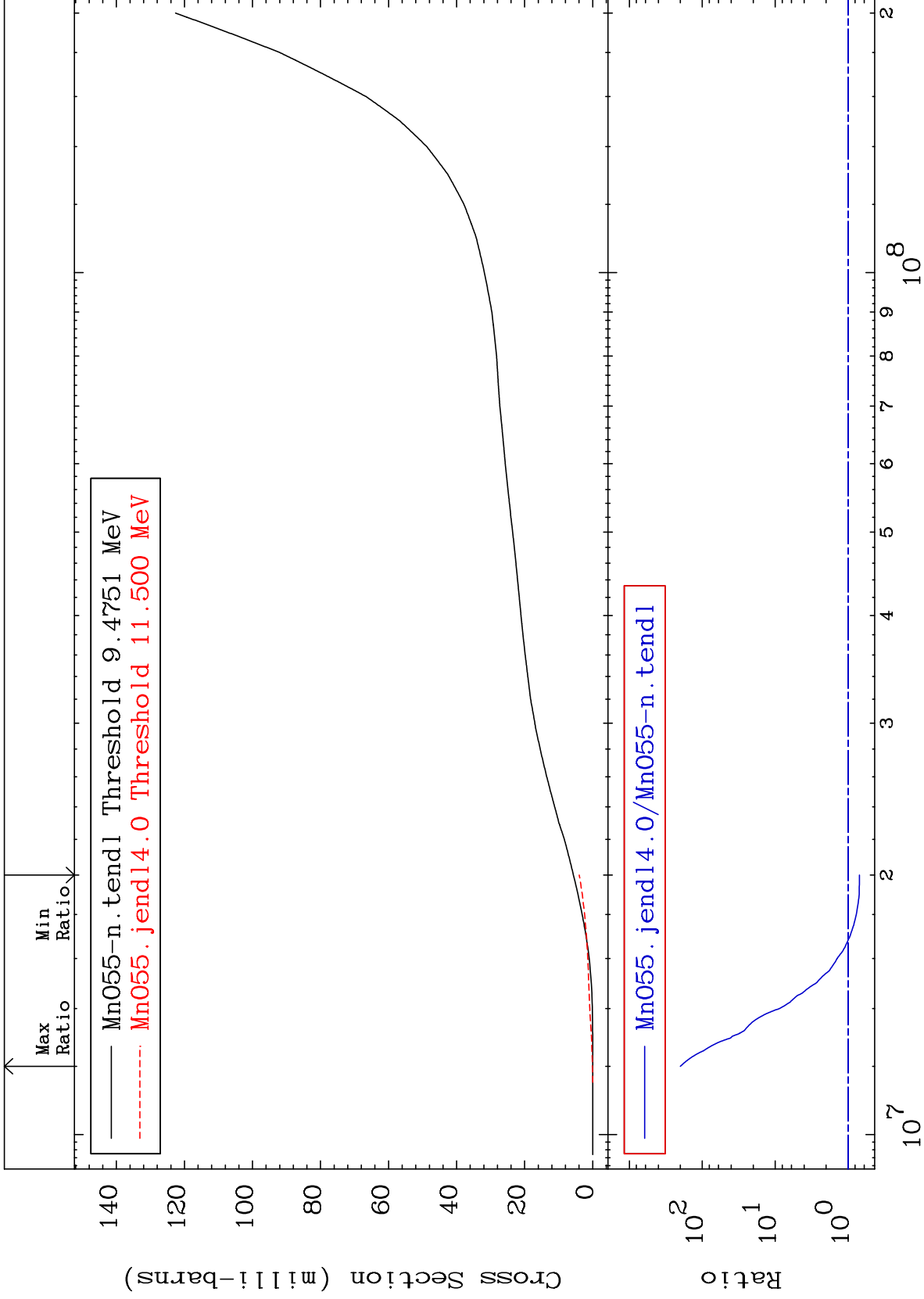
<sup>25</sup>Mn-55



MAT 2525

Tritium Production  
Cross Section

<sup>25</sup>Mn-55  
-30.11 To 9999. %

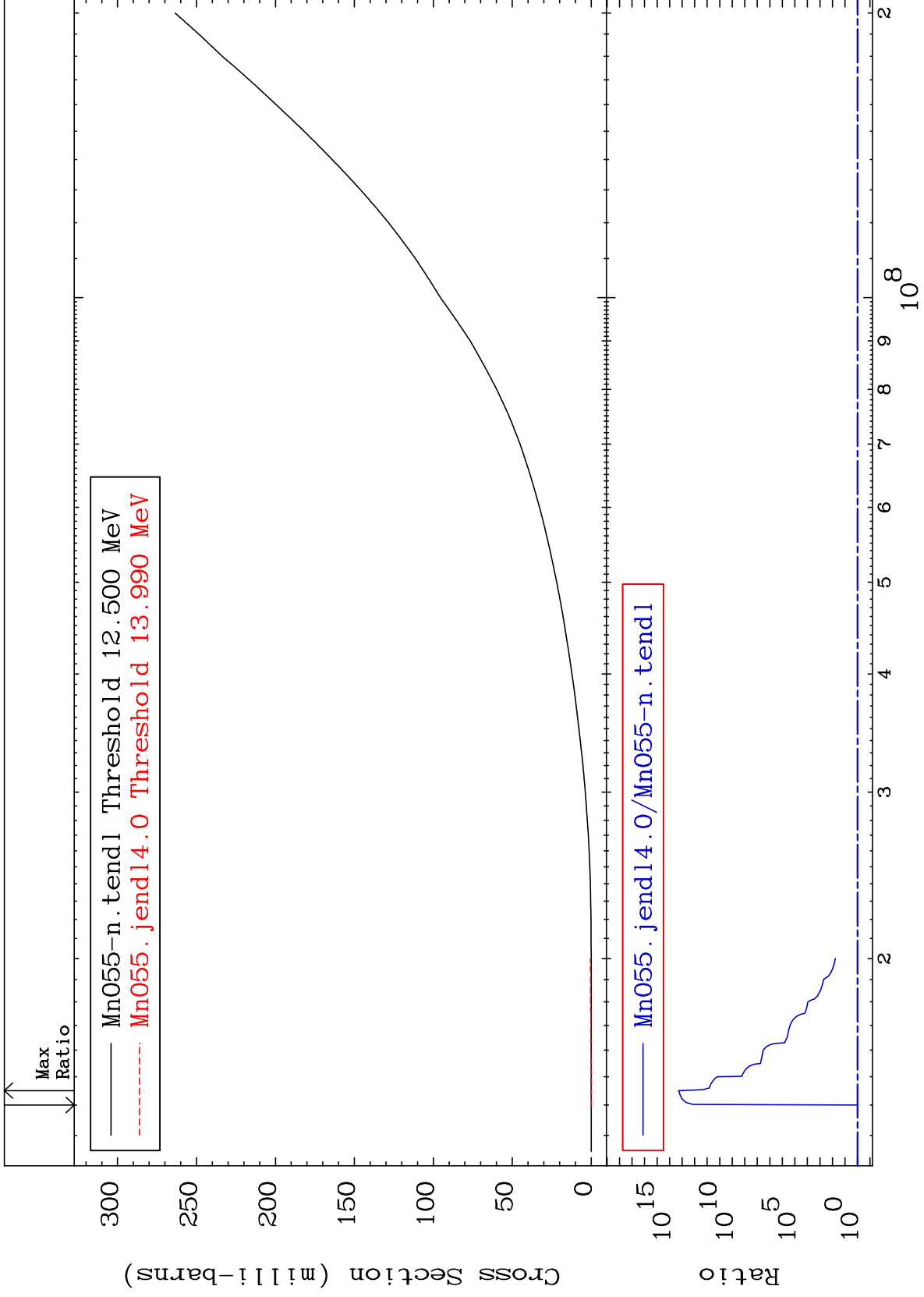


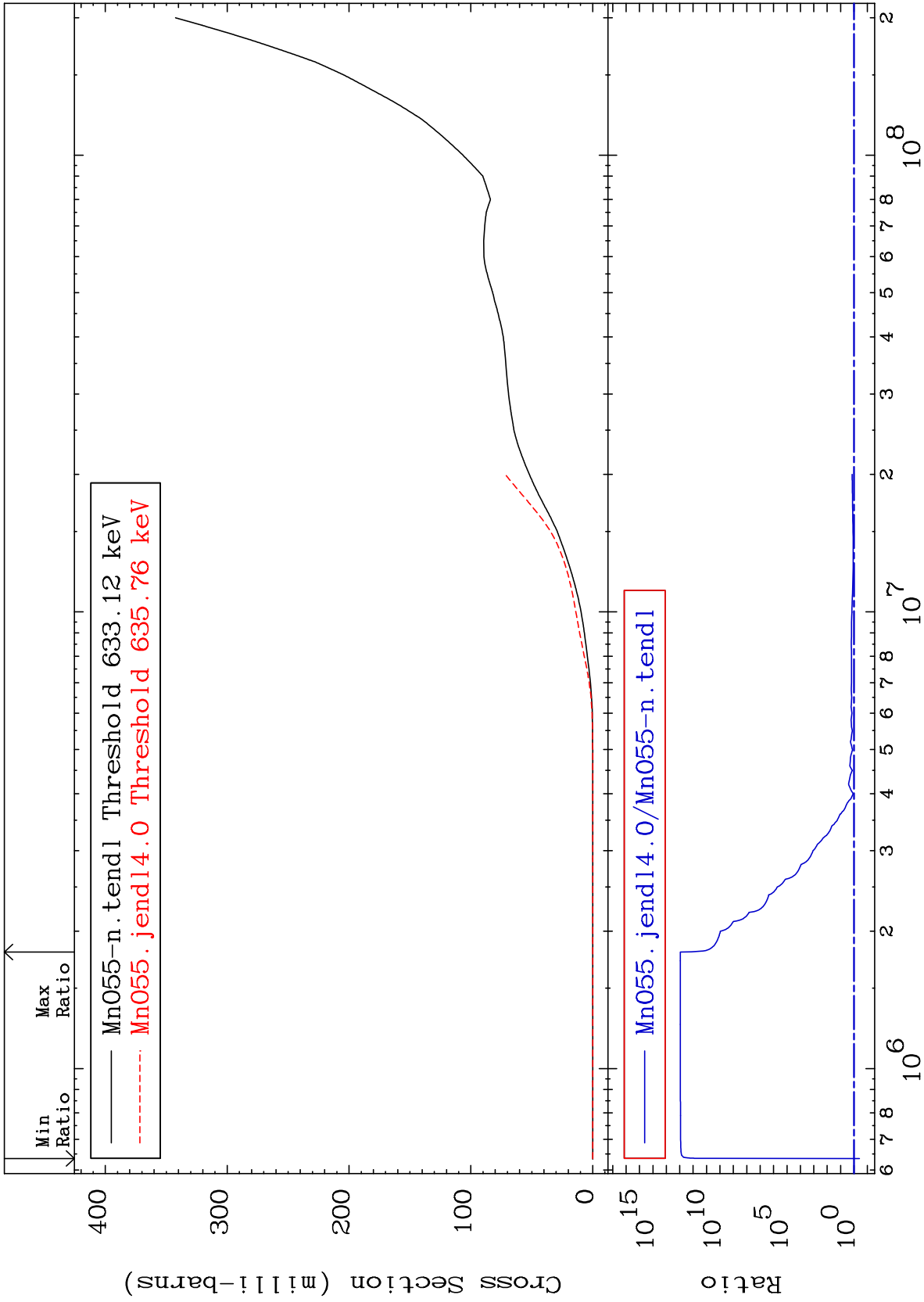
32

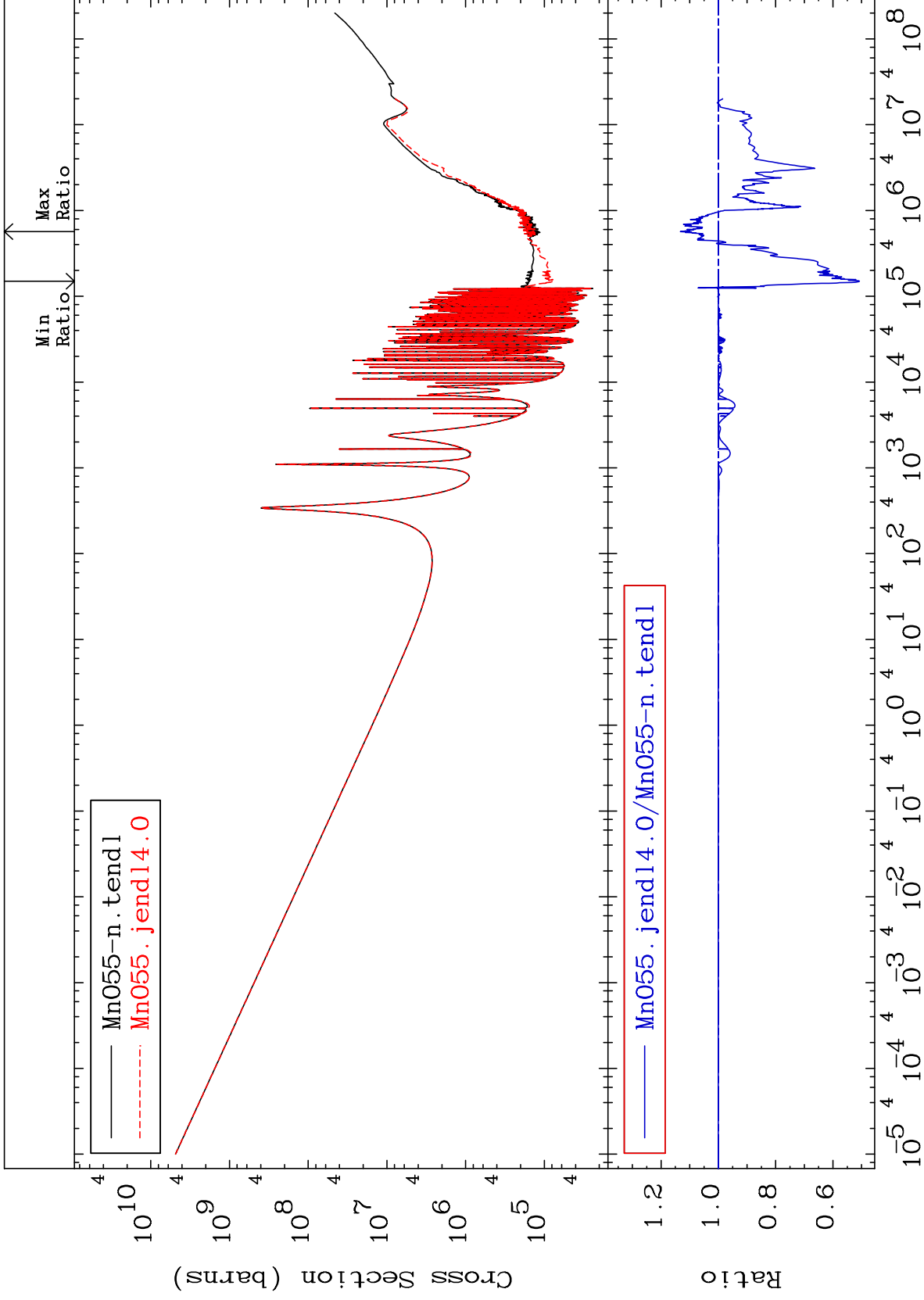
Incident Energy (eV)

<sup>25</sup>Mn-55





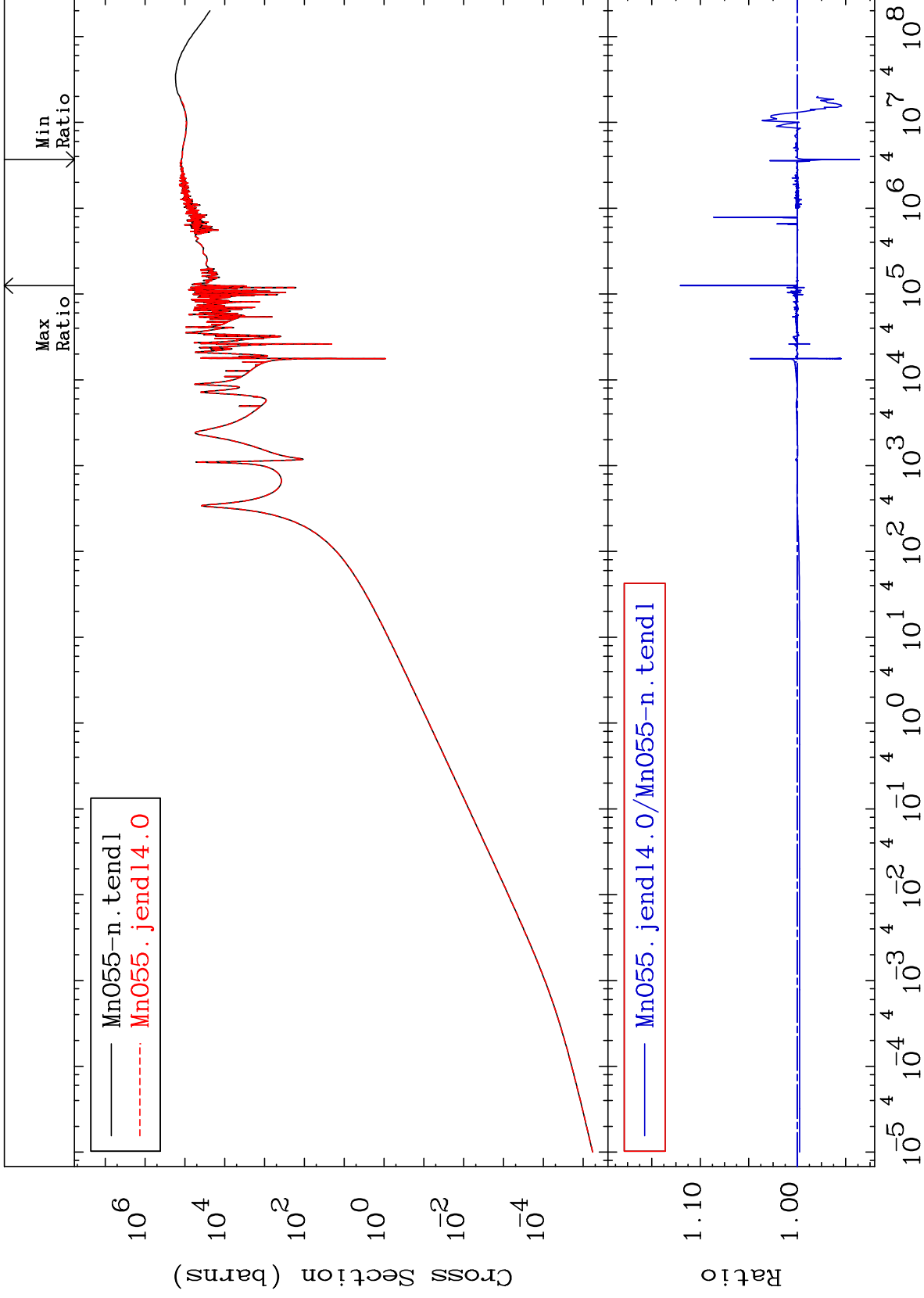


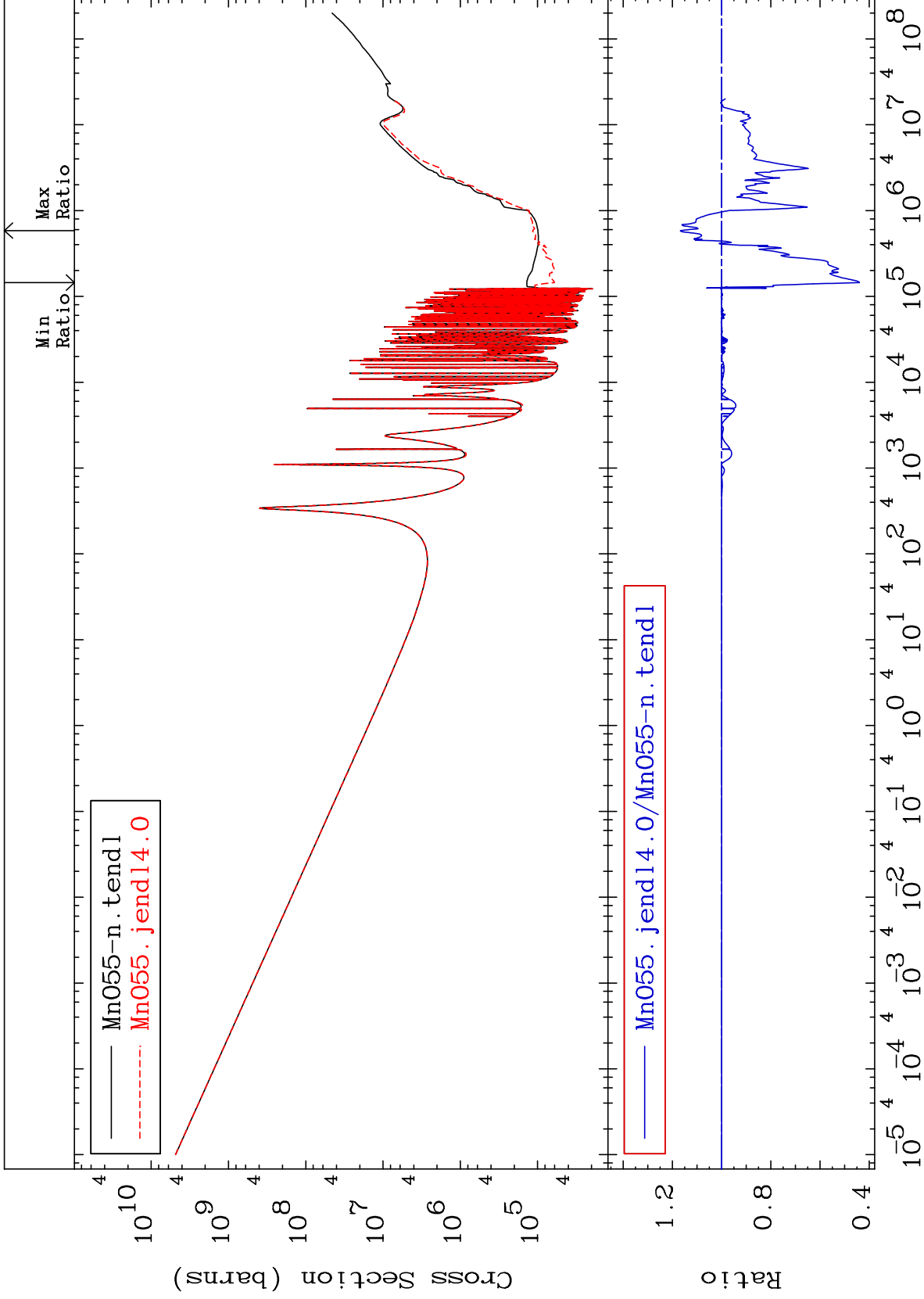


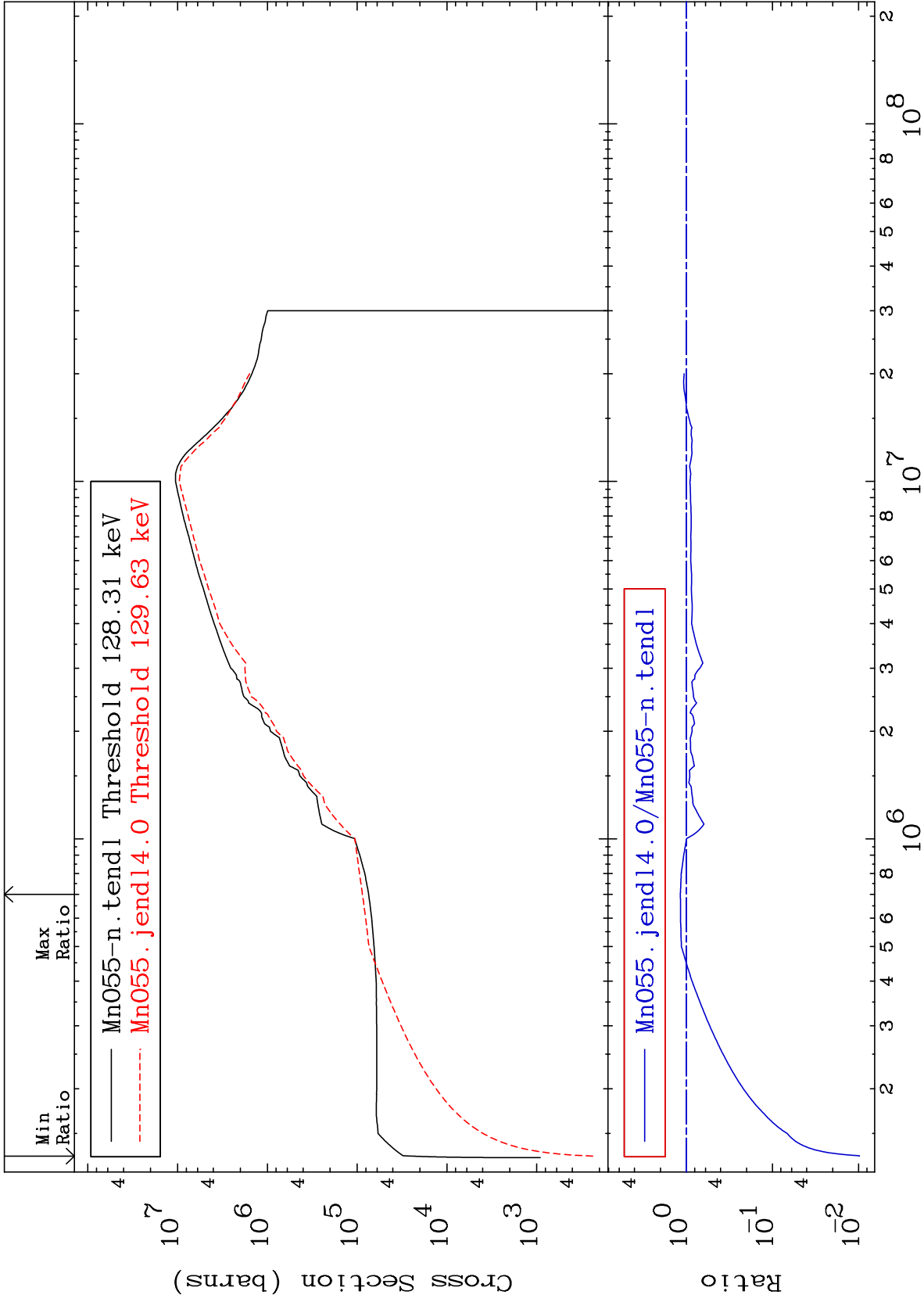
MAT 2525

Kerma elastic  
Cross Section

25-Mn-55  
-6.408 To 12.05 %



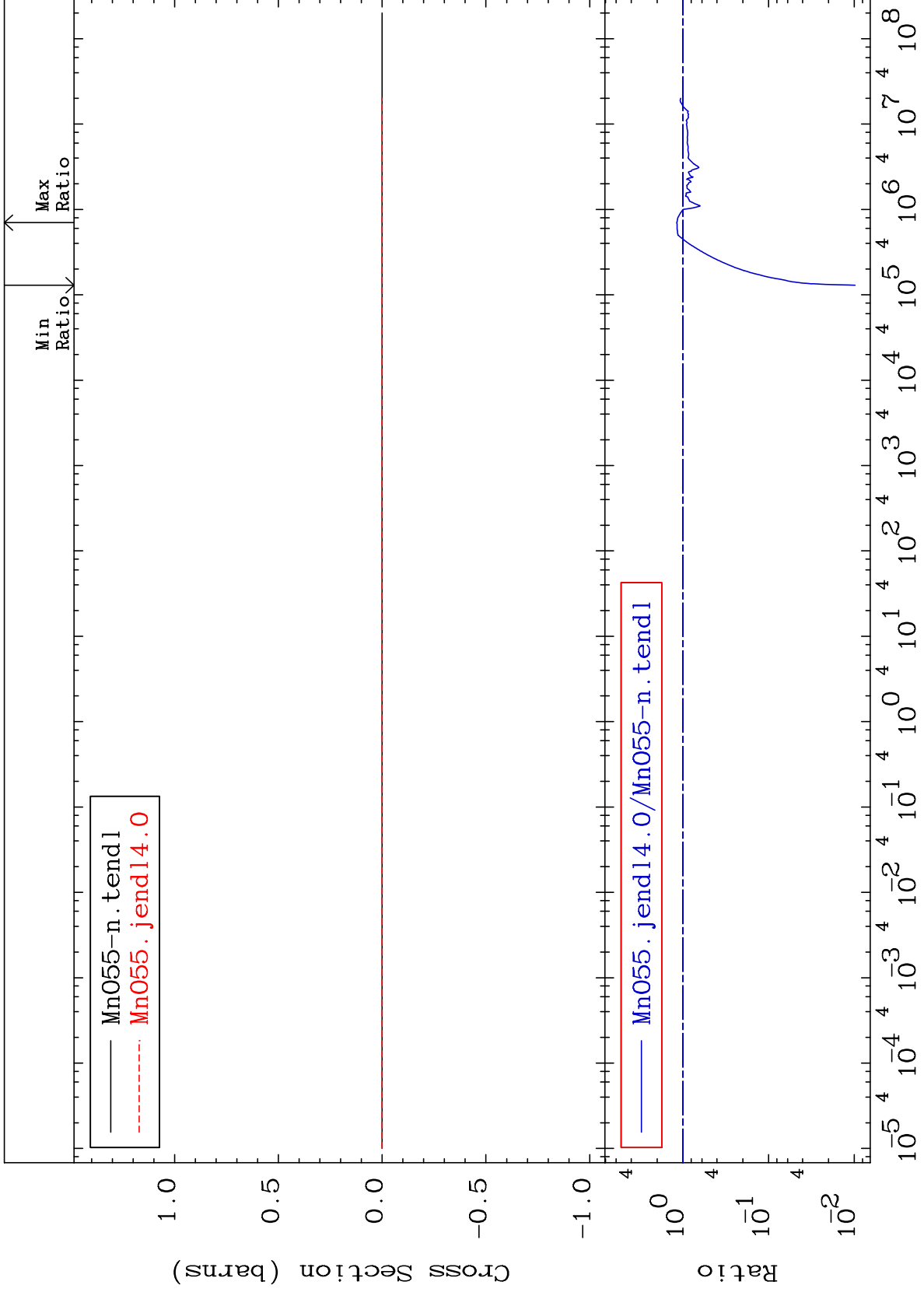




MAT 2525

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

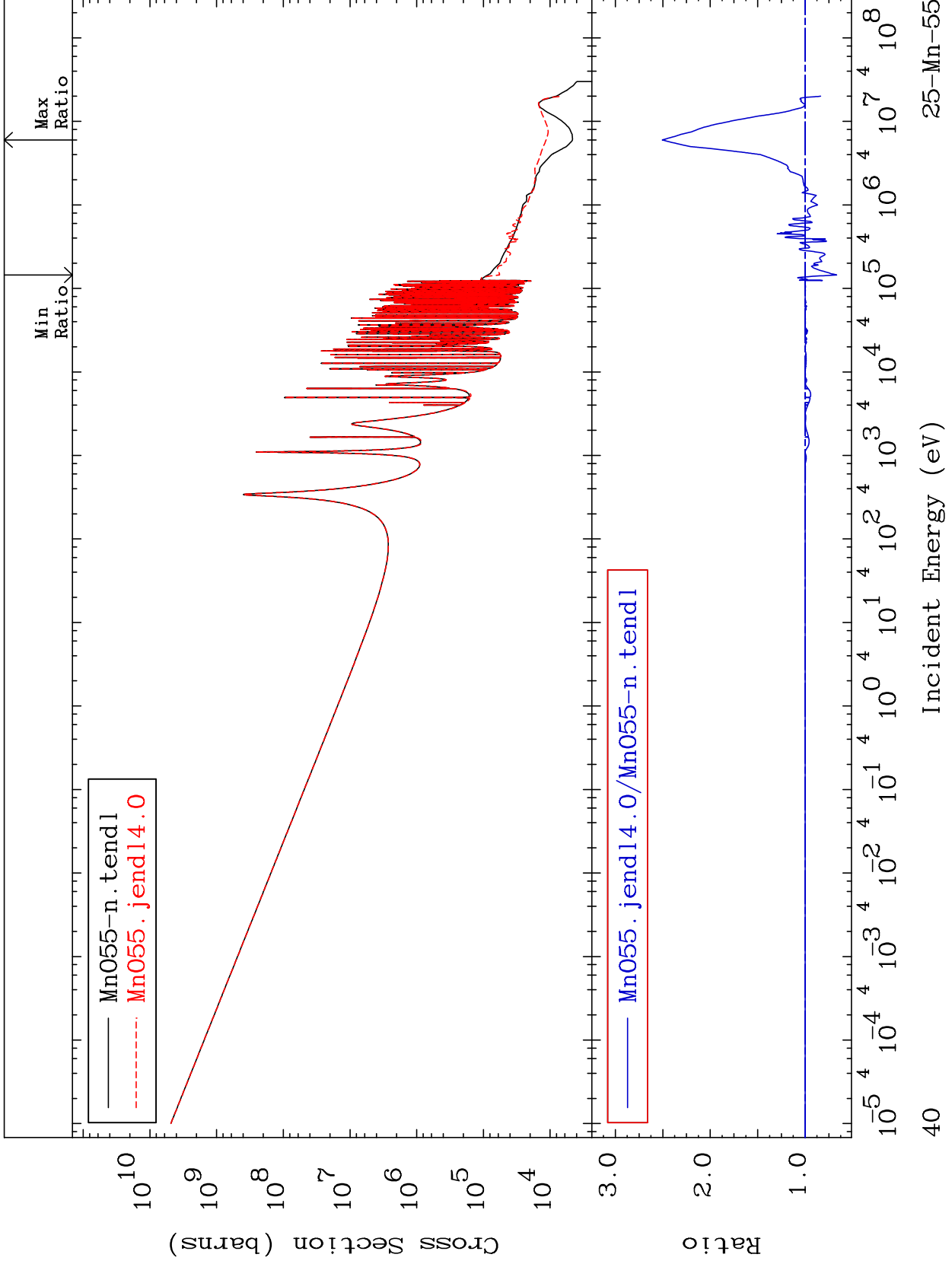
25-Mn-55  
-99.02 To 17.36 %



MAT 2525

Kerma capture (mt102)  
Cross Section

25-Mn-55  
-33.17 To 150.5 %



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Incident Energy (eV)

25-Mn-55

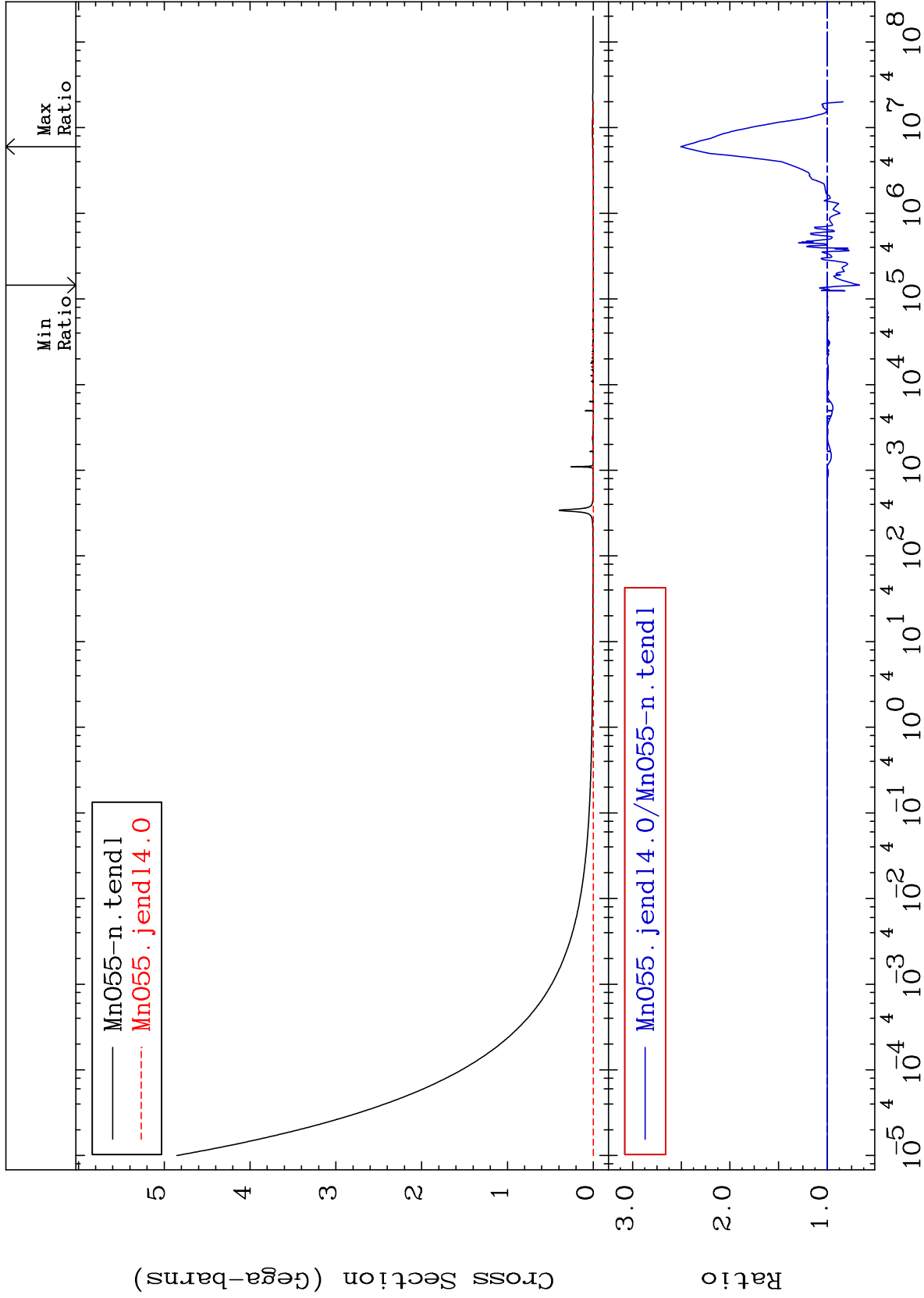


MAT 2525

Total photon (eV-barns)  
Cross Section

25-Mn-55

-33.17 To 150.5 %

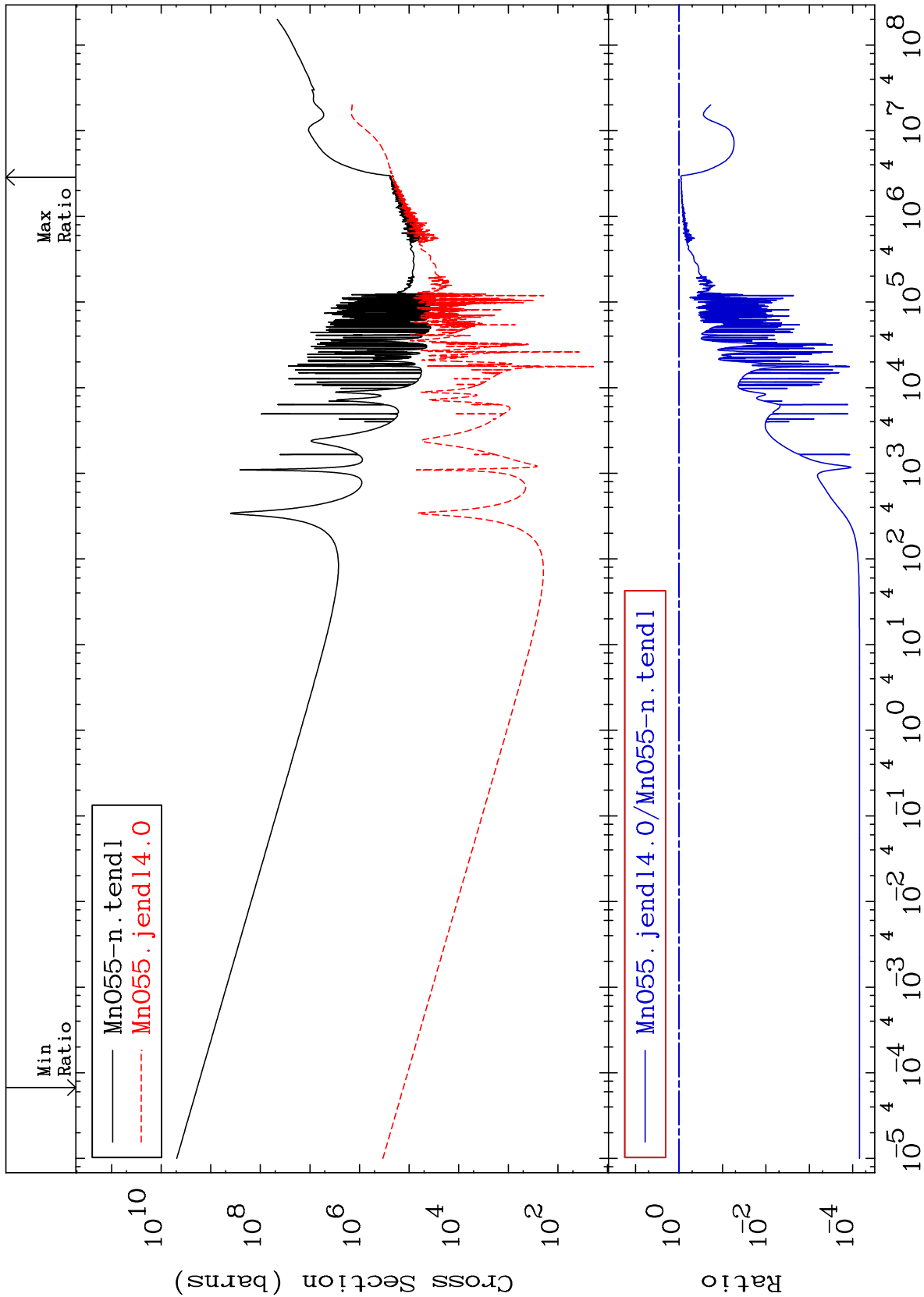


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Incident Energy (eV)

25-Mn-55

MAT 2525      Total kinematic kerma (high limit)      25-Mn-55  
Cross Section      -99.99 To -8.730%



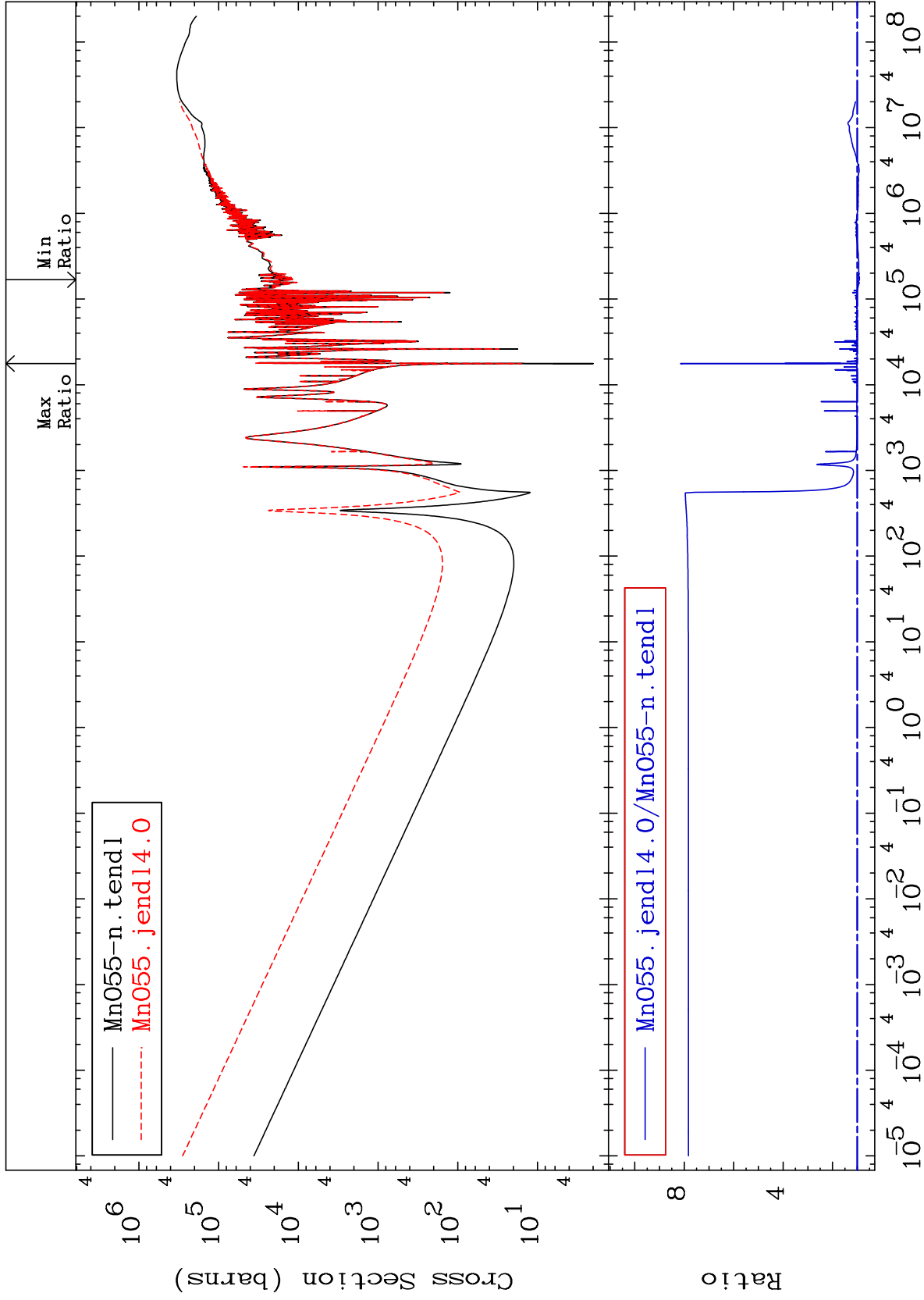
MAT 2525

Dpa total (eV-barns)

25-Mn-55

Cross Section

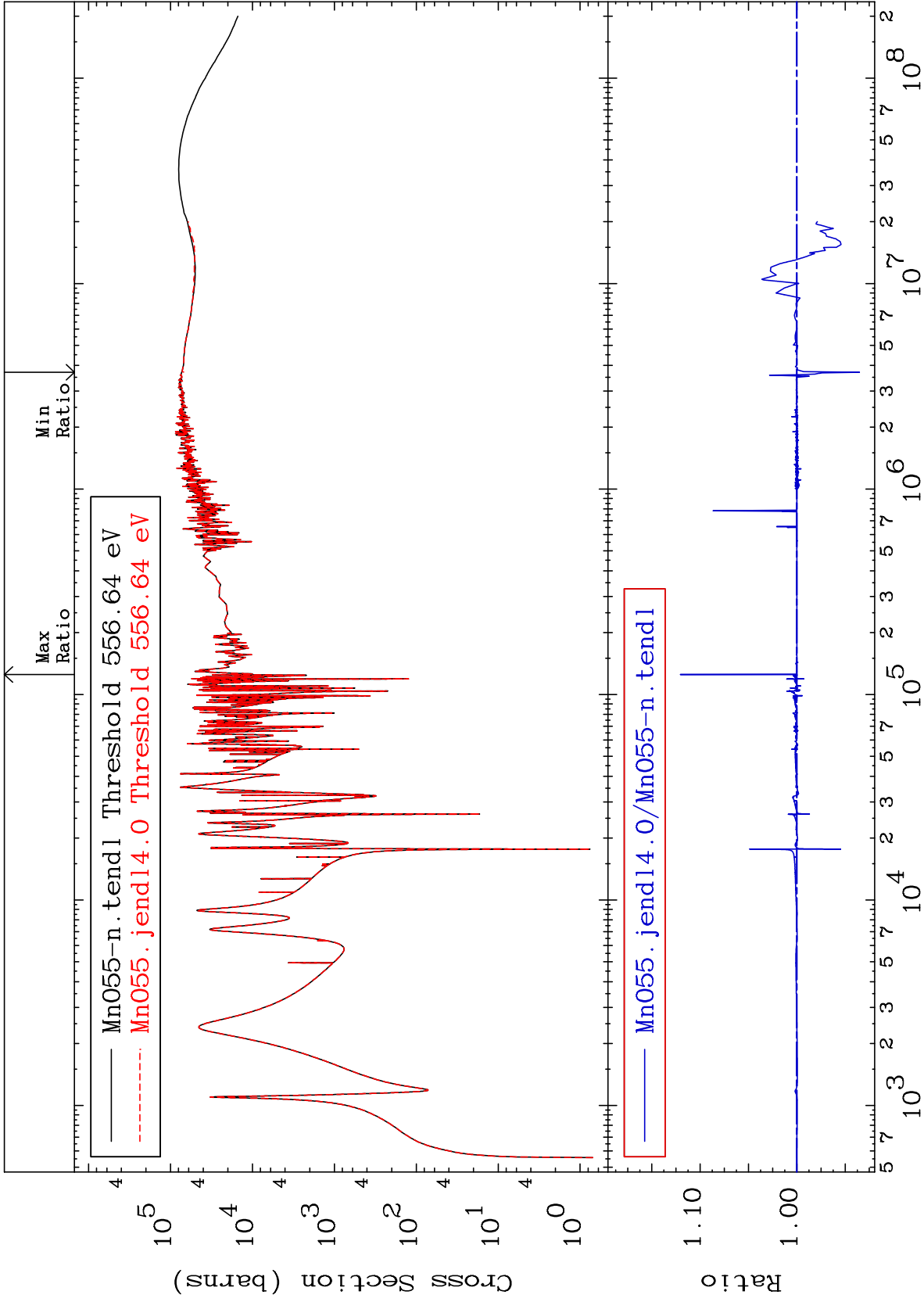
-9.250 To 714.0 %

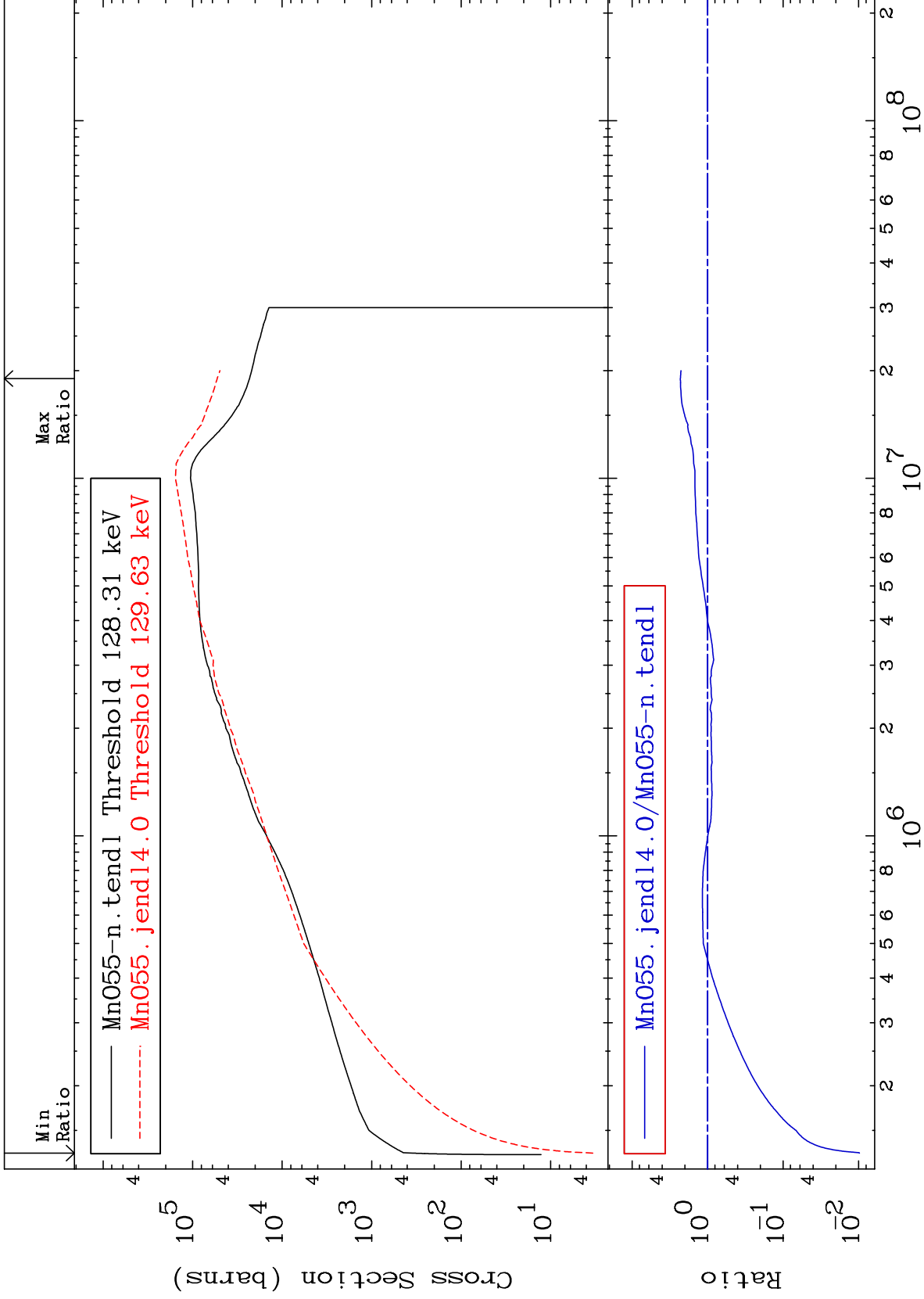


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Incident Energy (eV)

25-Mn-55





MAT 2525

Dpa disappearance (mt102 -120)  
Cross Section

25-Mn-55  
-17.44 To 9999. %

