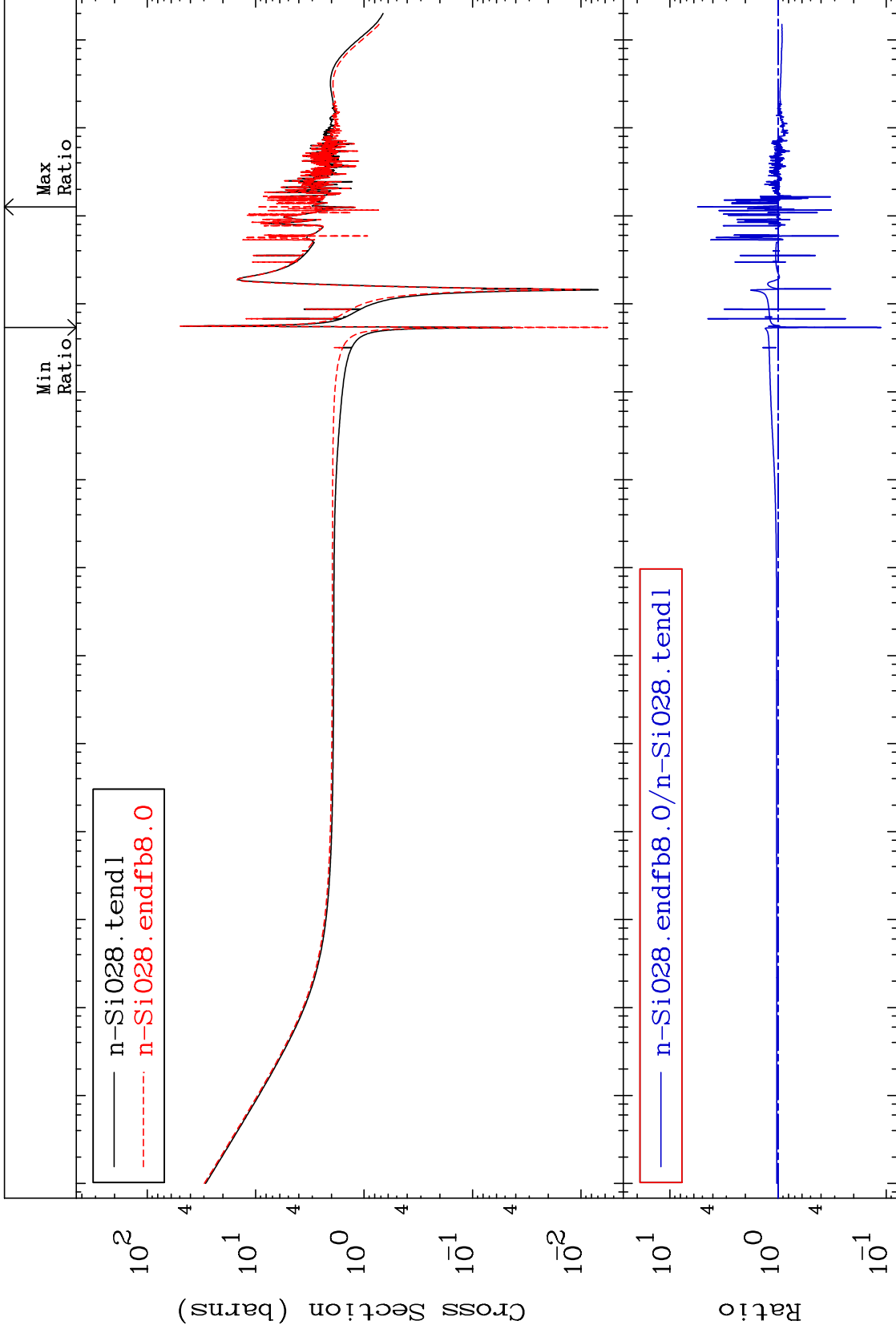


MAT 1425

Total  
Cross Section

14-Si-28  
-88.84 To 454.4 %



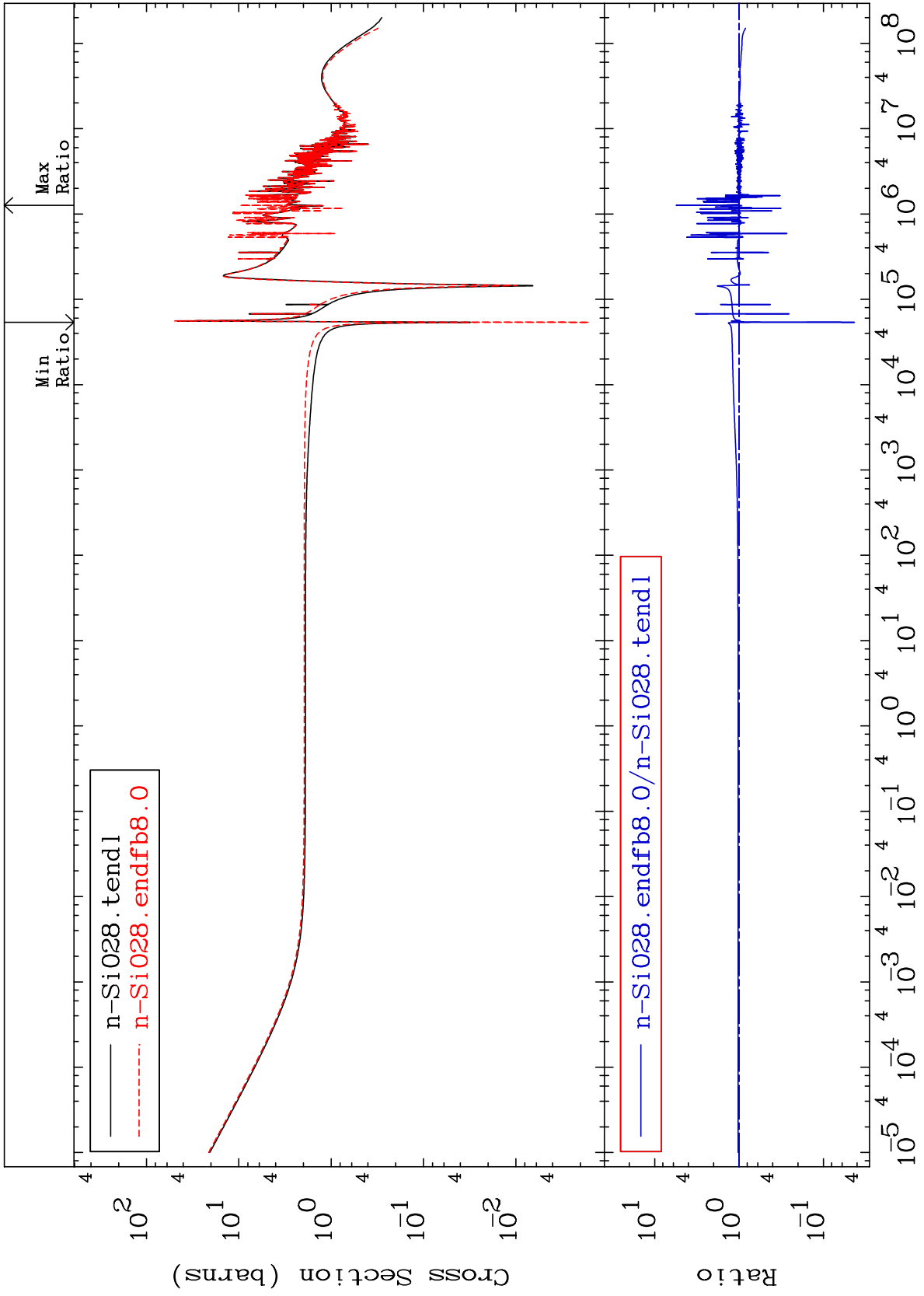
Incident Energy (eV)

14-Si-28

MAT 1425

Elastic  
Cross Section

14-Si-28  
-95.70 To 454.0 %



Incident Energy (eV)

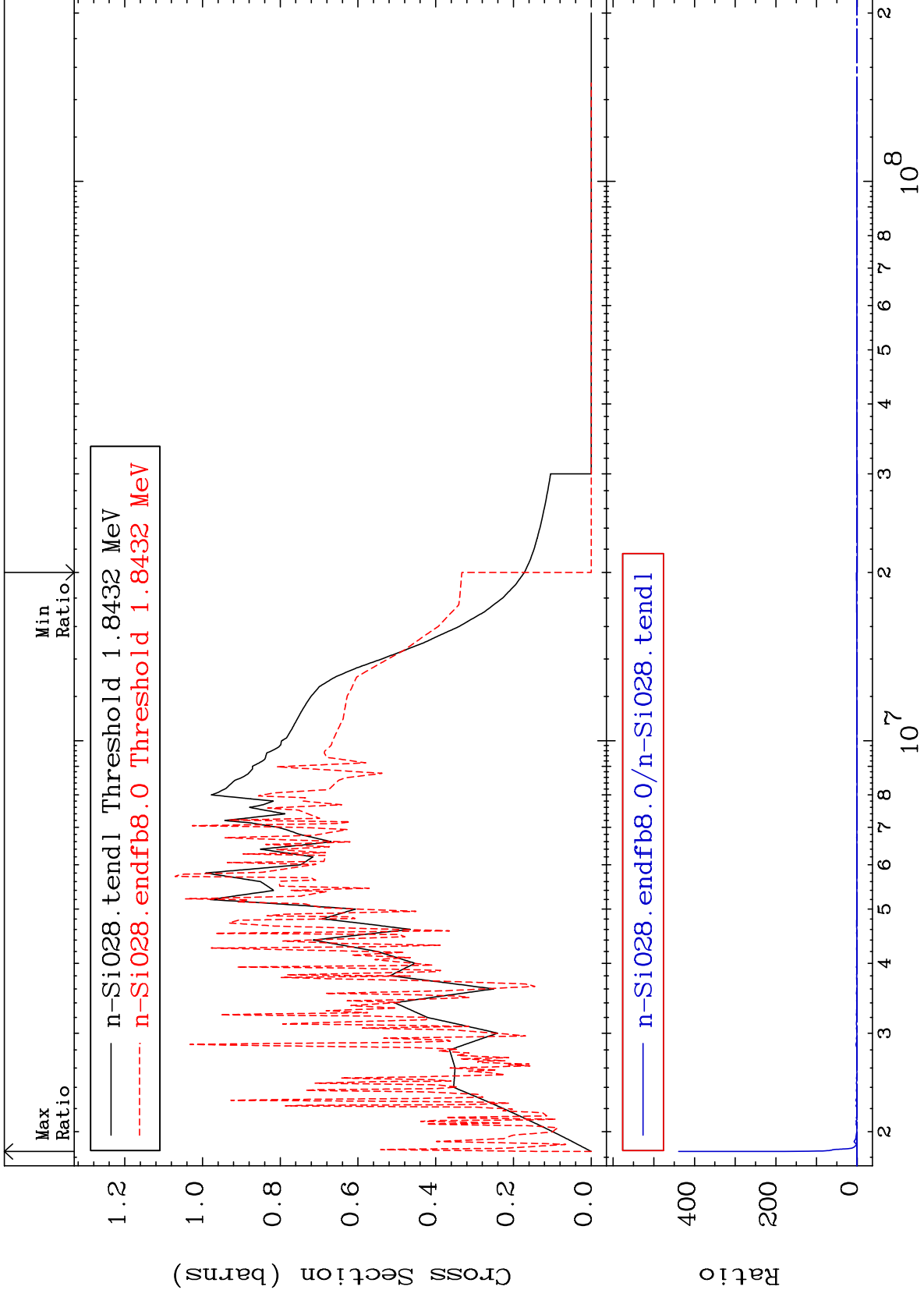
14-Si-28

2

MAT 1425

Inelastic  
Cross Section

14-Si-28  
-100.0 To 9999. %



3

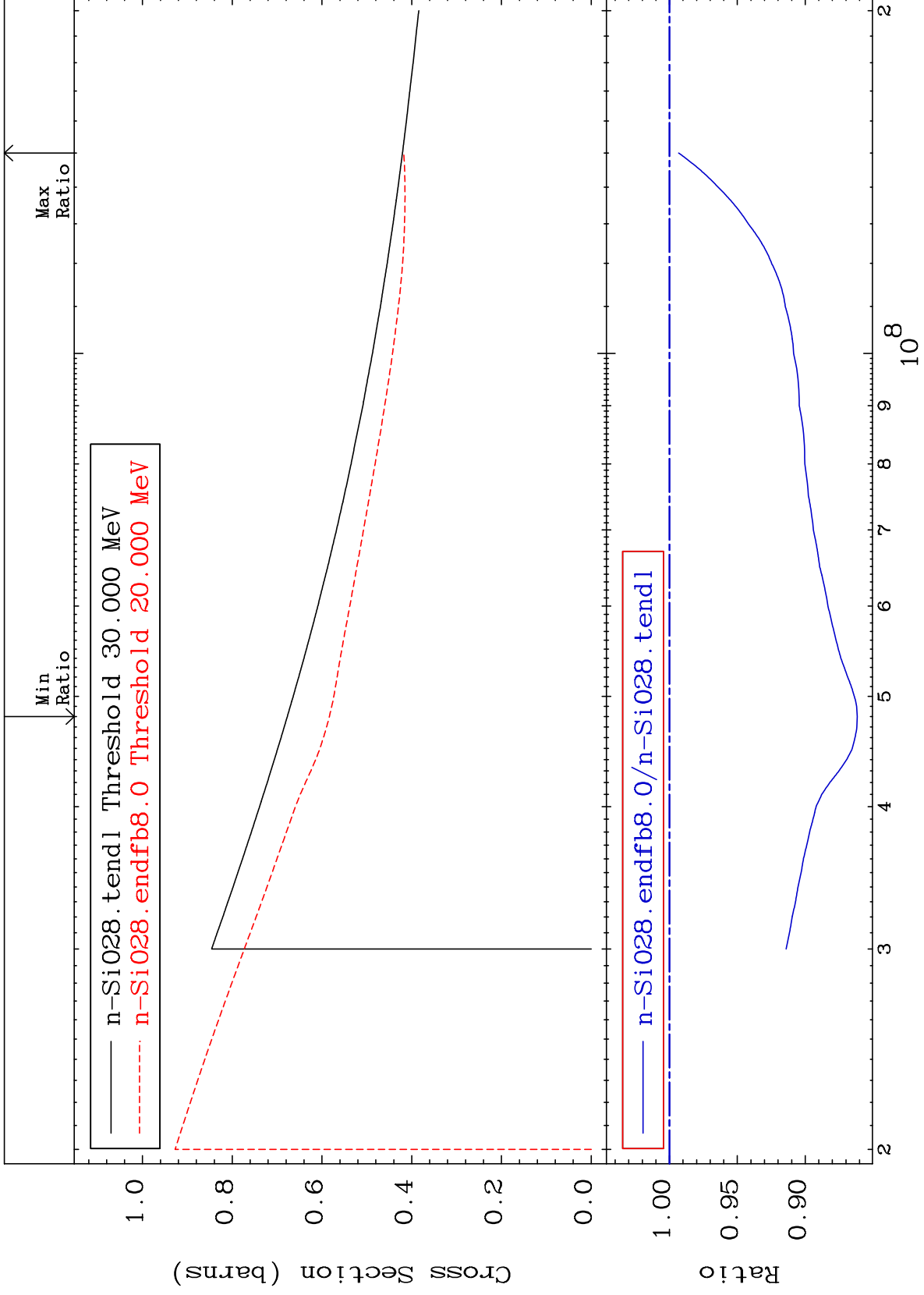
Incident Energy (eV)

14-Si-28

MAT 1425

(n, remainder)  
Cross Section

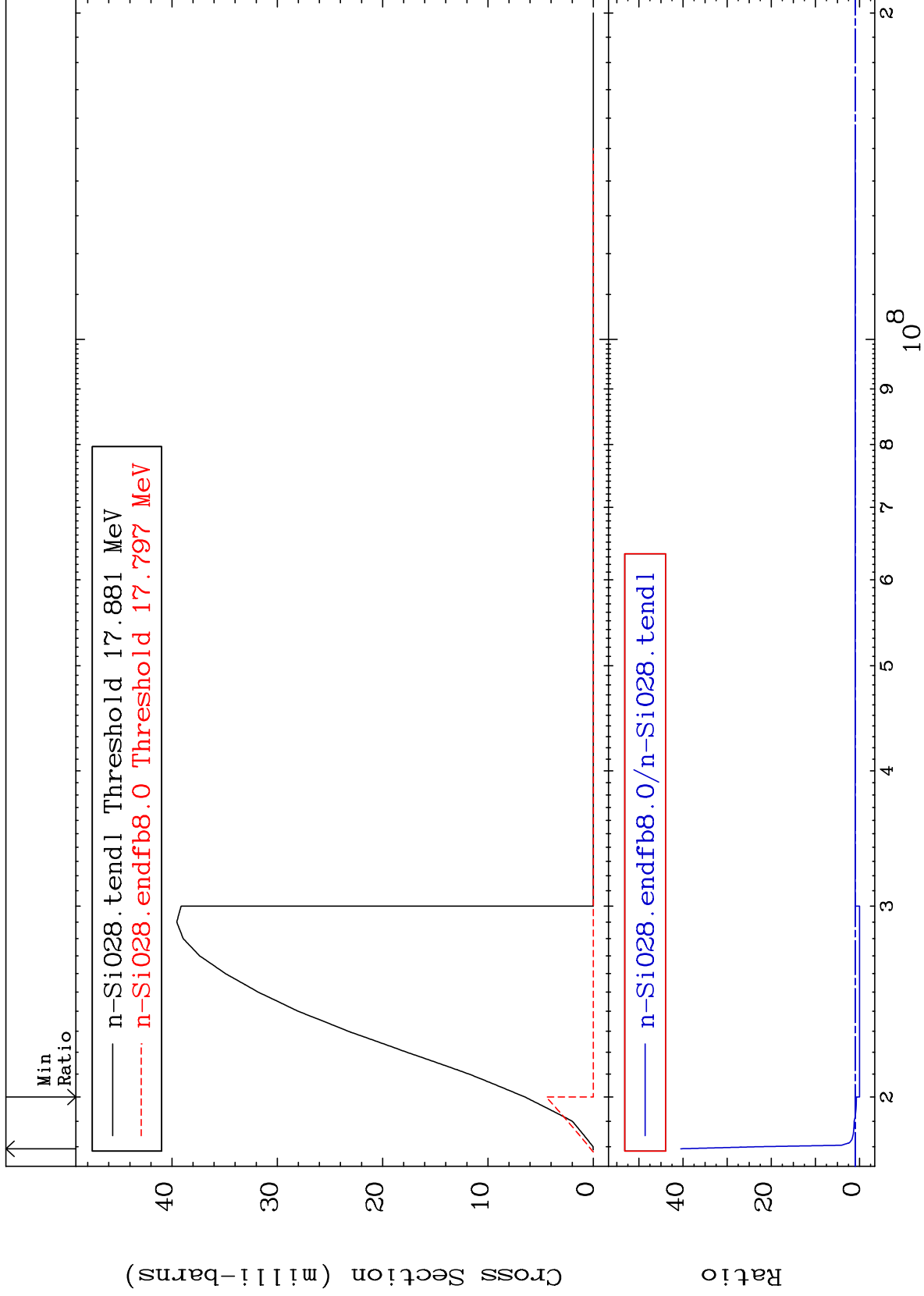
$^{14}\text{Si-28}$   
-13.83 To -0.676%



MAT 1425

(n,2n)  
Cross Section

14-Si-28  
-100.0 To 3952. %



5

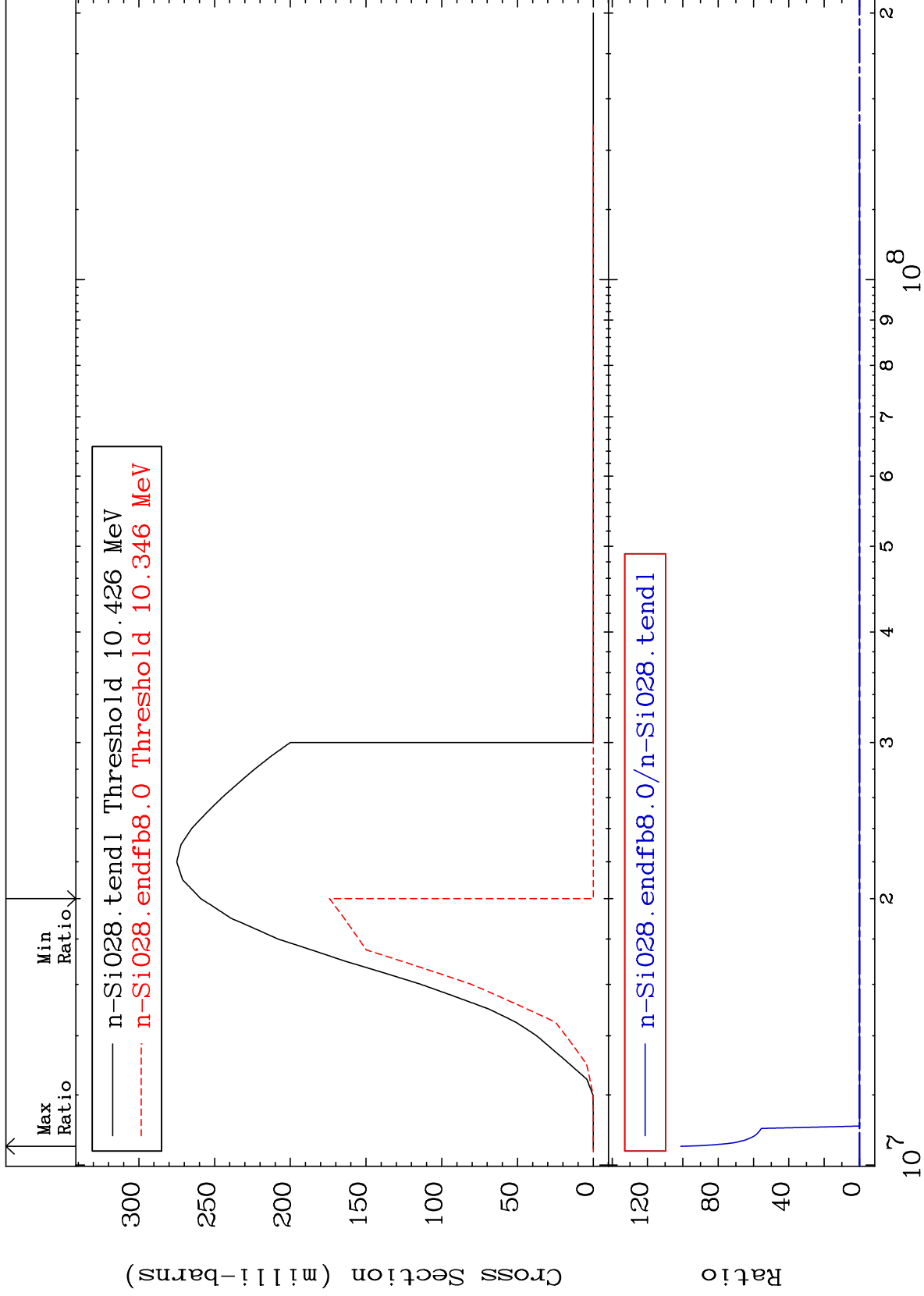
Incident Energy (eV)

14-Si-28

MAT 1425

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

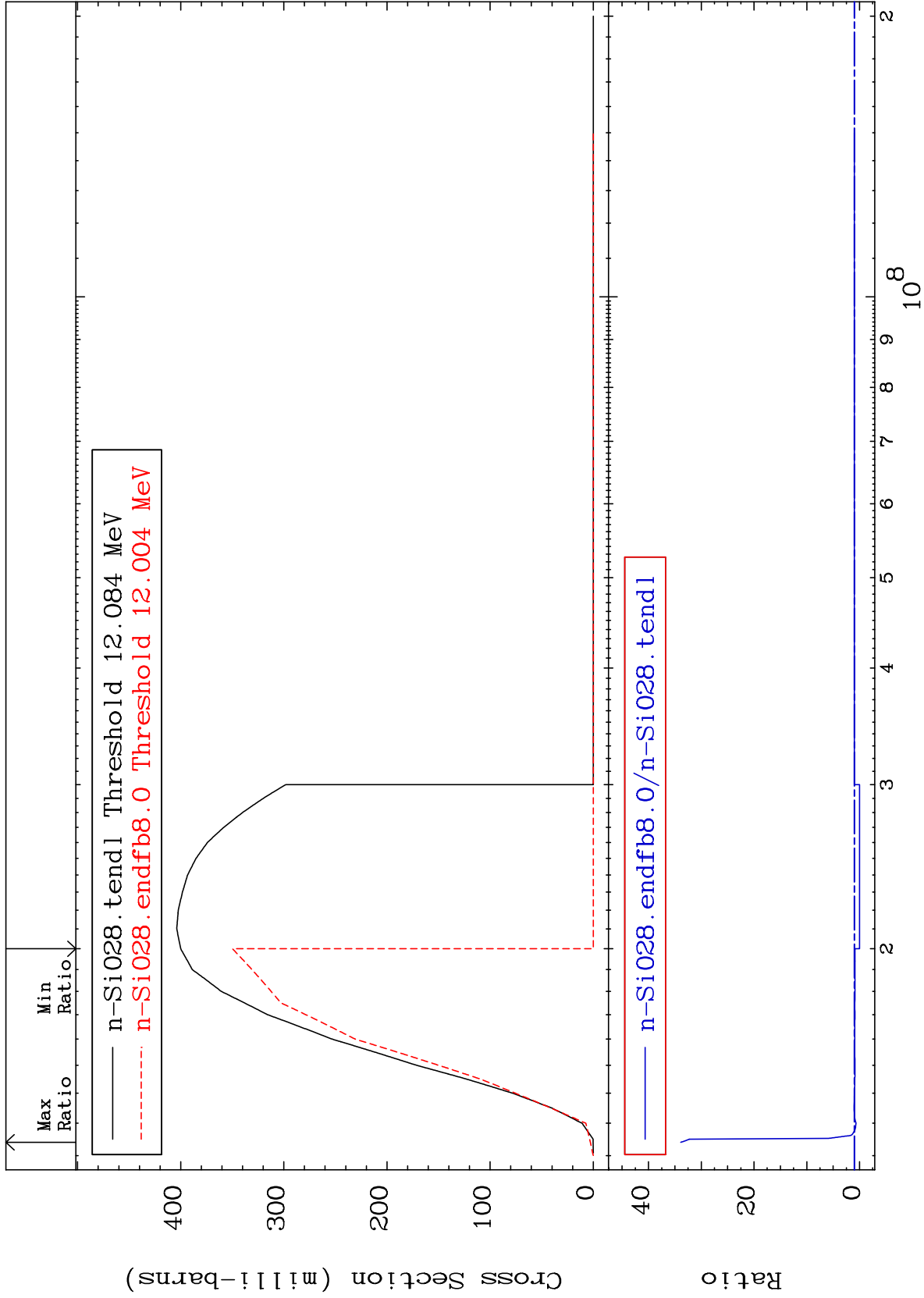
14-Si-28  
-100.0 To 9999. %



MAT 1425

(n,n') p  
Cross Section

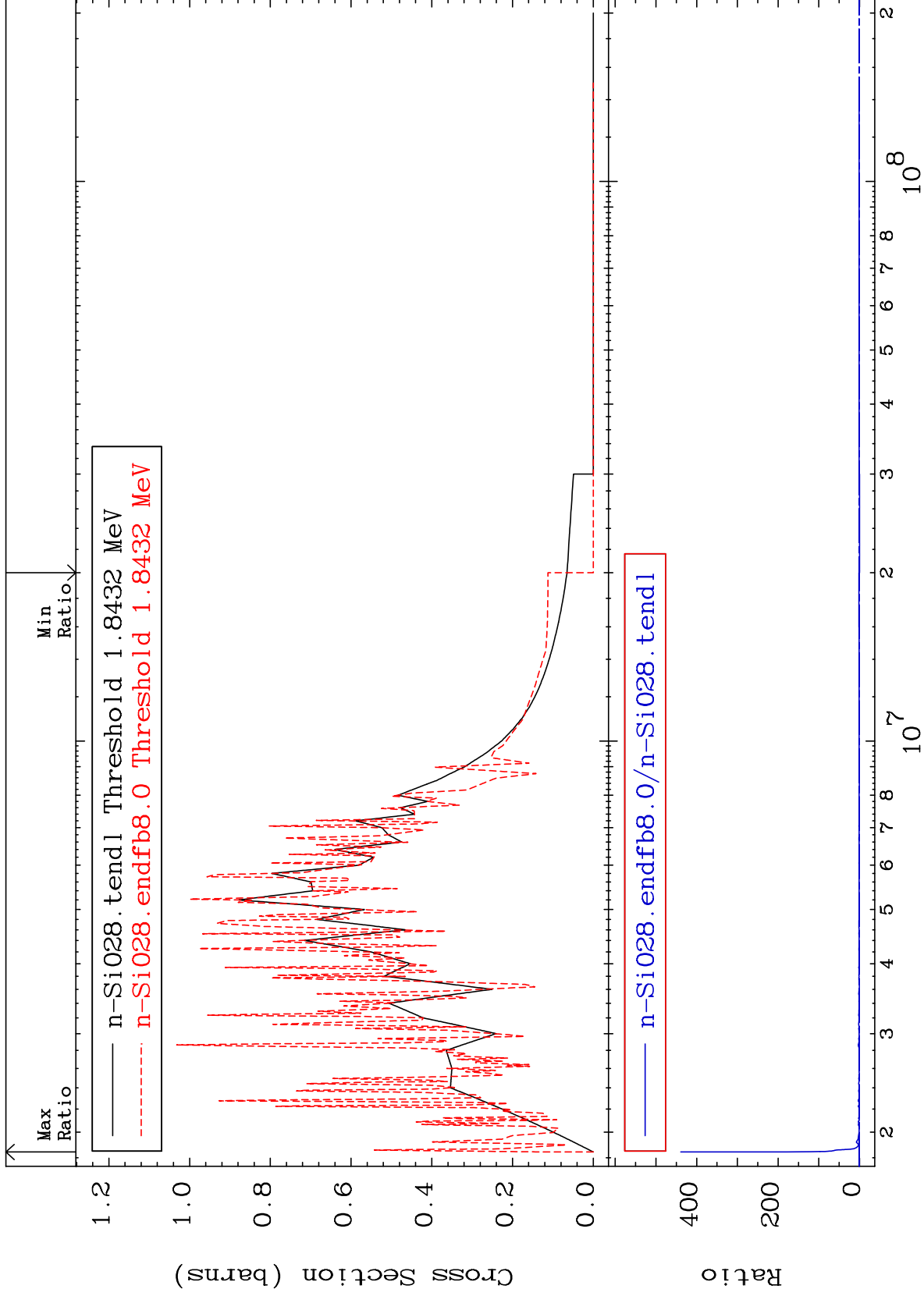
14-Si-28  
-100.0 To 3288. %



MAT 1425

MT= 51 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 9999. %



8

Incident Energy (eV)

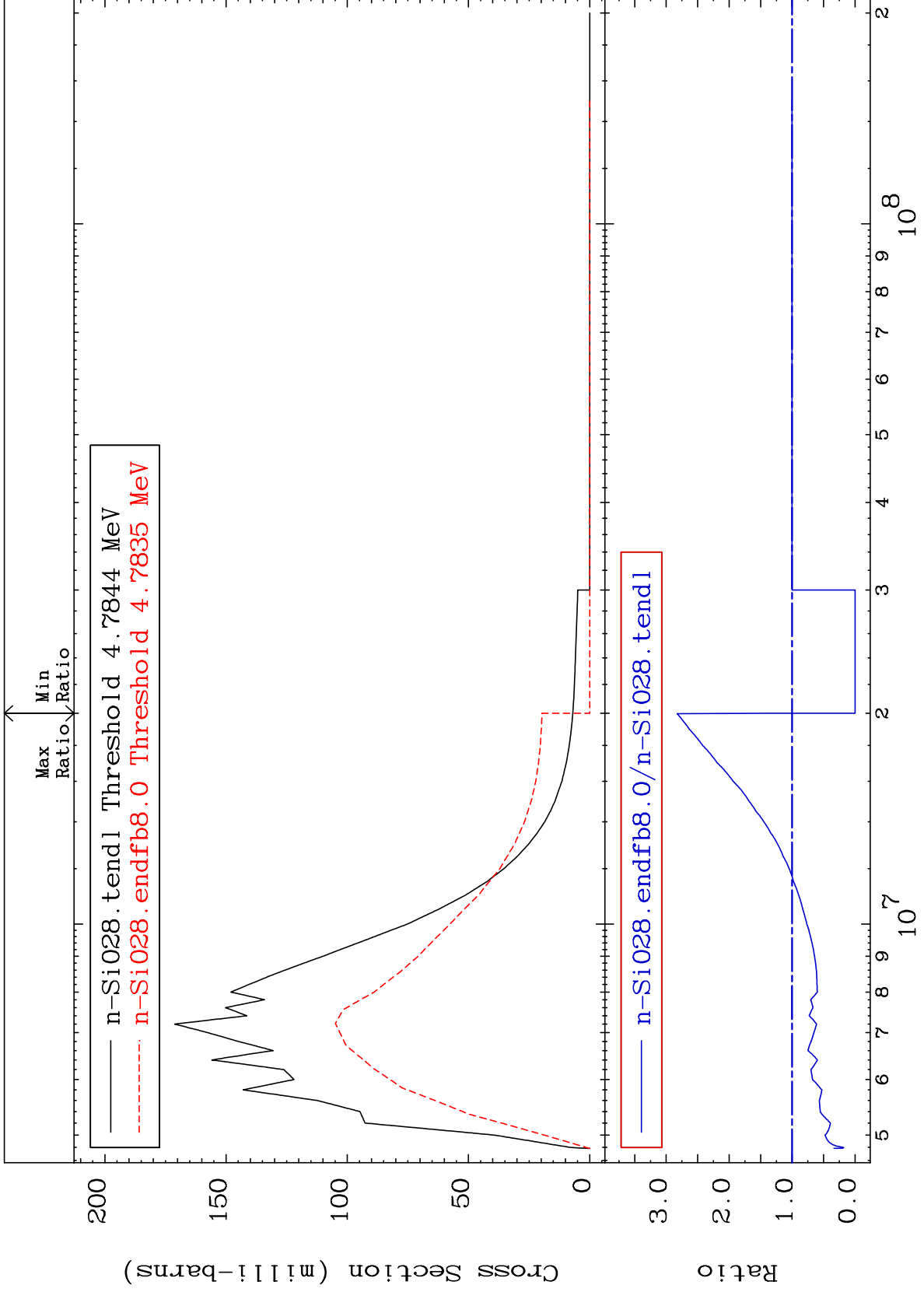
14-Si-28



MAT 1425

MT= 52 (n,n') Level  
Cross Section

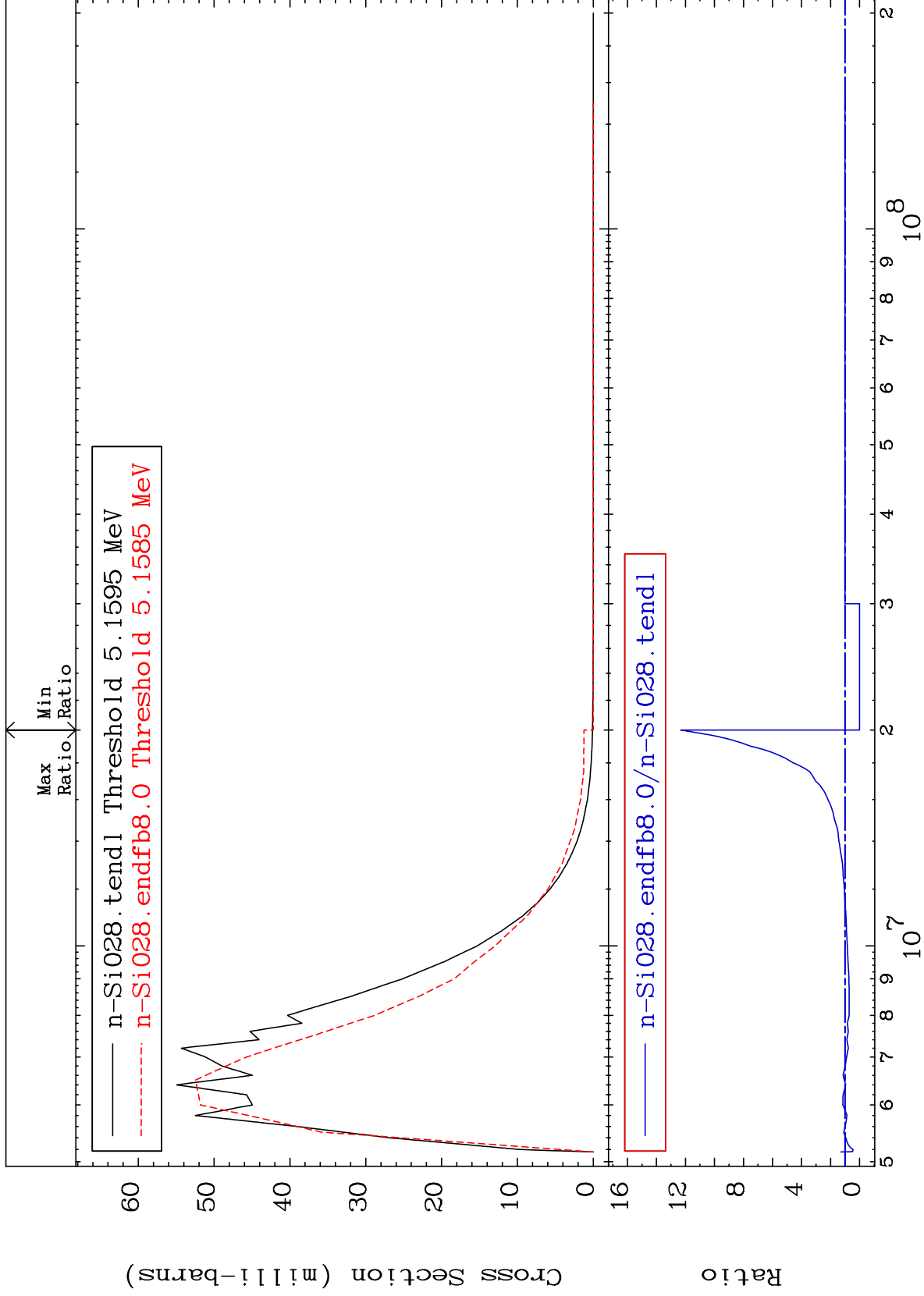
14-Si-28  
-100.0 To 182.9 %



MAT 1425

MT= 53 (n,n') Level  
Cross Section

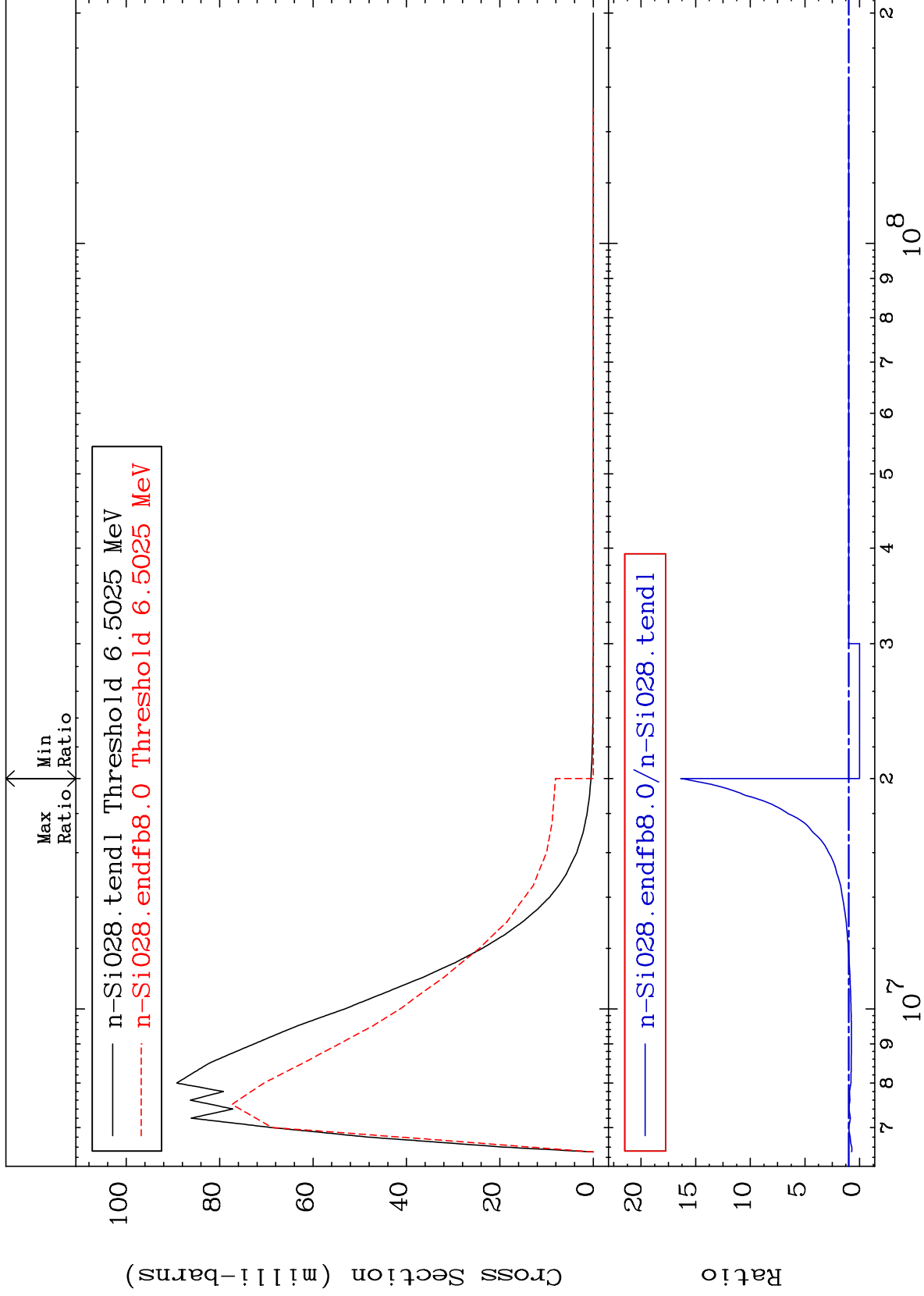
14-Si-28  
-100.0 To 1132. %



MAT 1425

MT= 54 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 1536. %



11

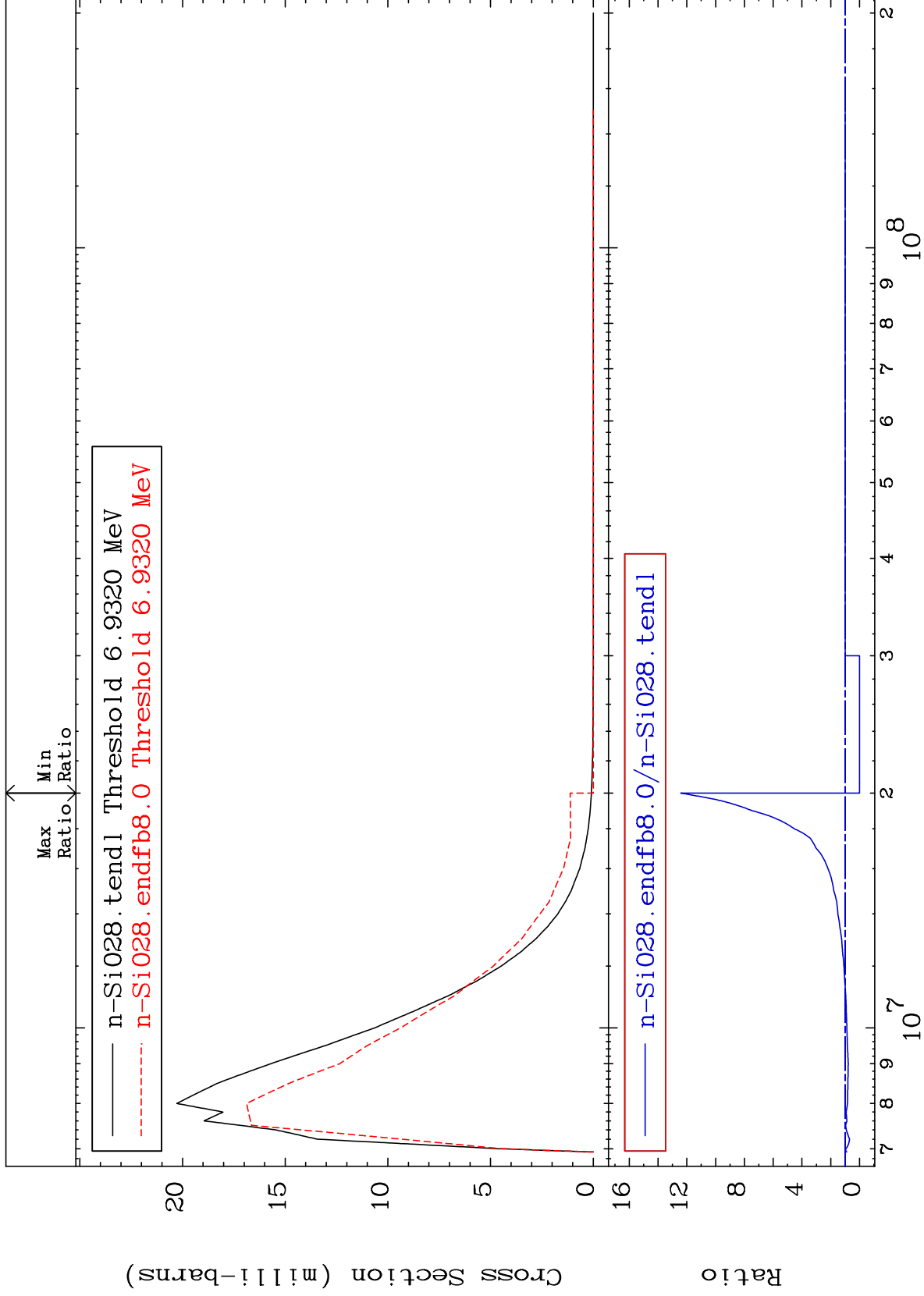
Incident Energy (eV)

14-Si-28

MAT 1425

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

14-Si-28  
-100.0 To 1142. %



12

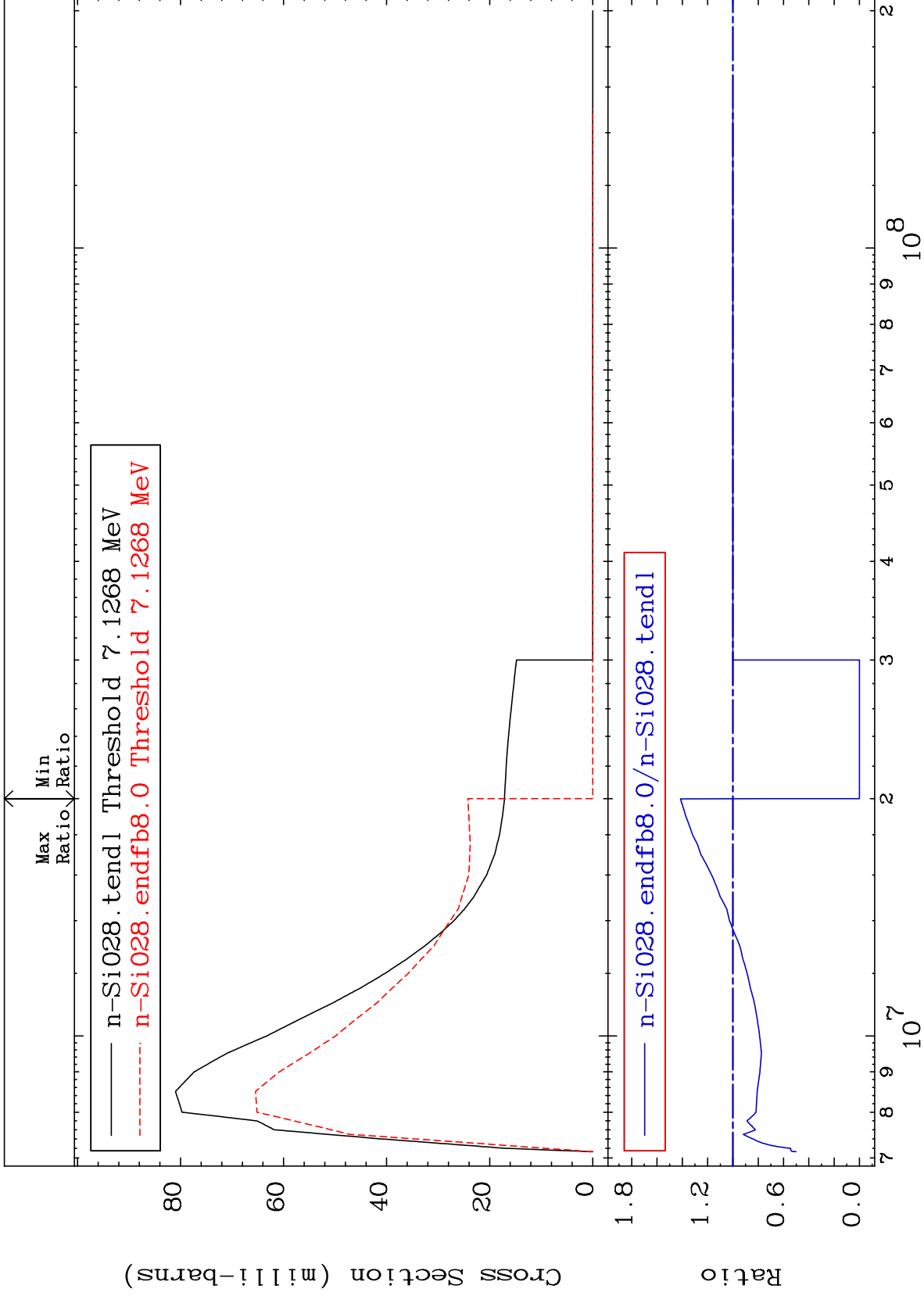
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 56 (n,n') Level  
Cross Section

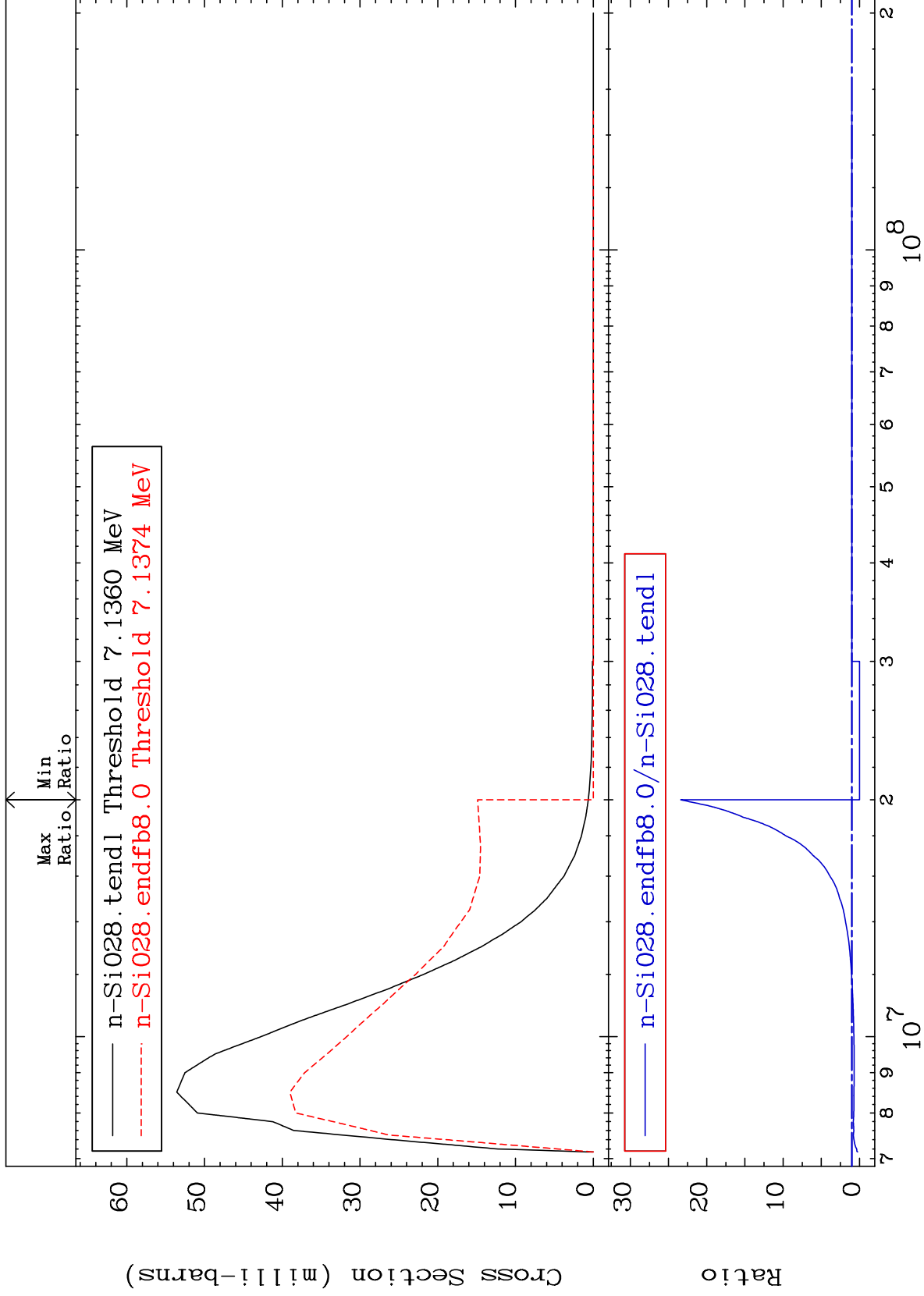
14-Si-28  
-100.0 To 41.53 %



MAT 1425

MT= 57 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 2240. %



14

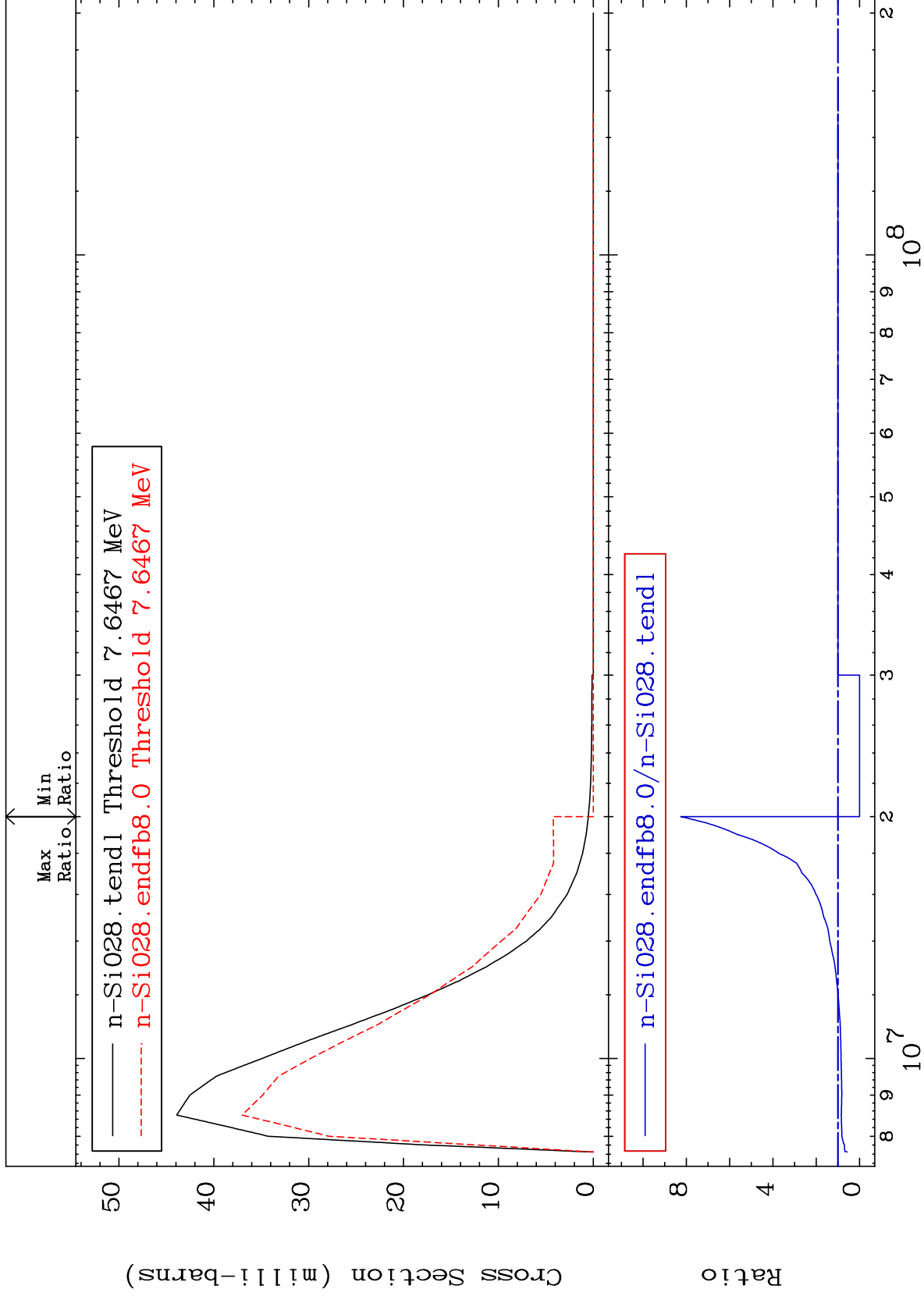
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 58 (n,n') Level  
Cross Section

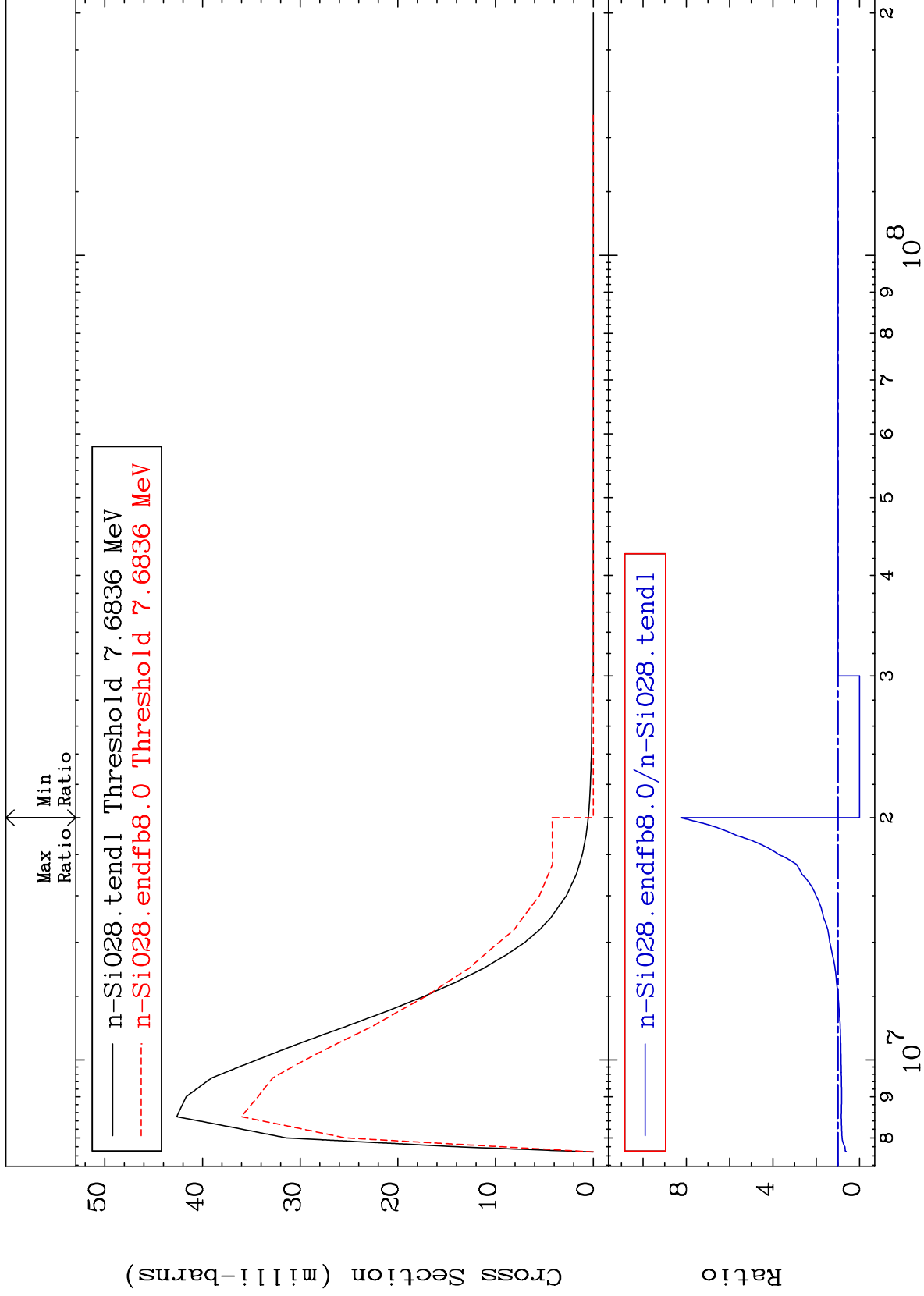
14-Si-28  
-100.0 To 725.8 %



MAT 1425

MT= 59 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 726.1 %



16

Incident Energy (eV)

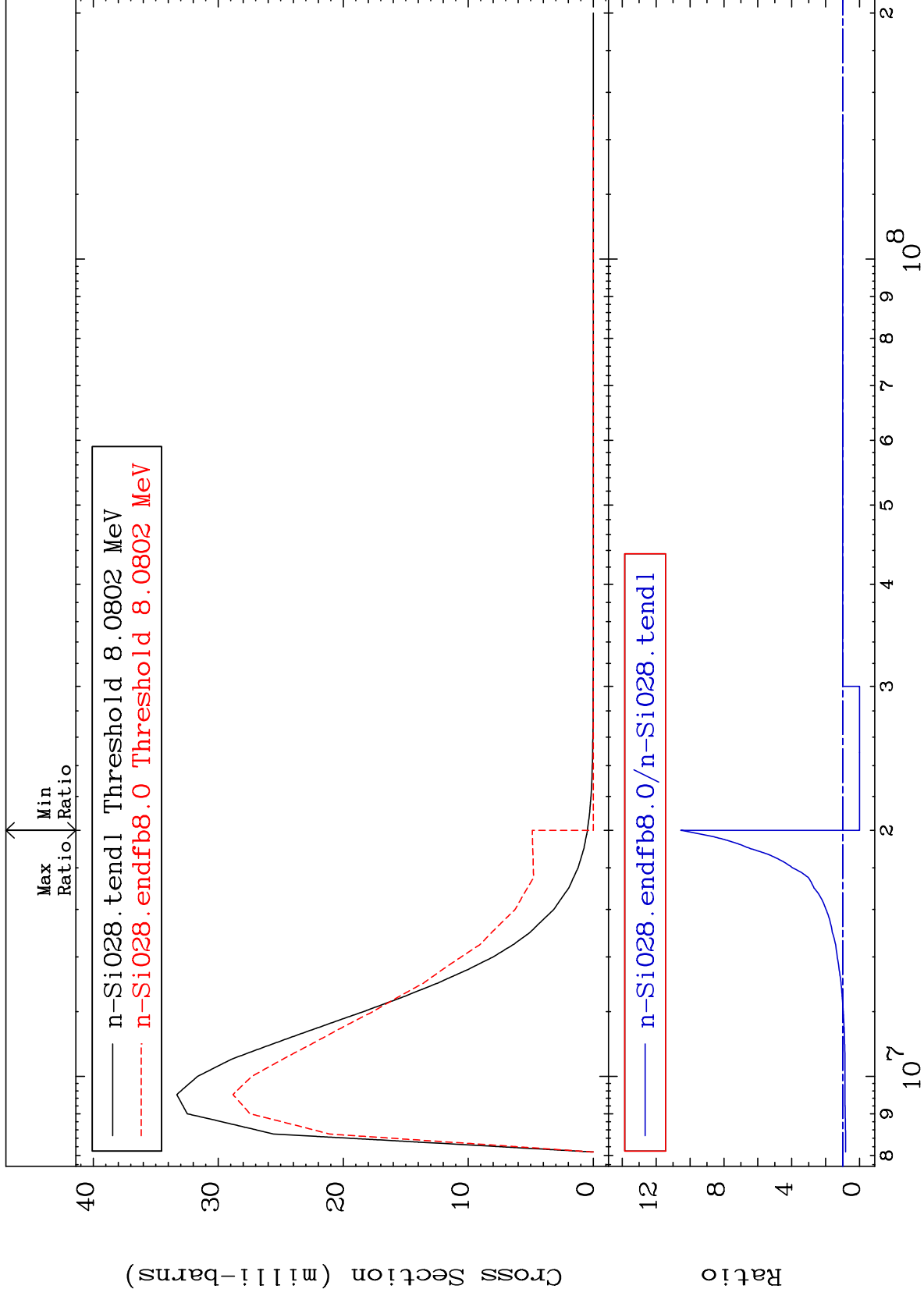
14-Si-28



MAT 1425

MT= 60 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 954.6 %



17

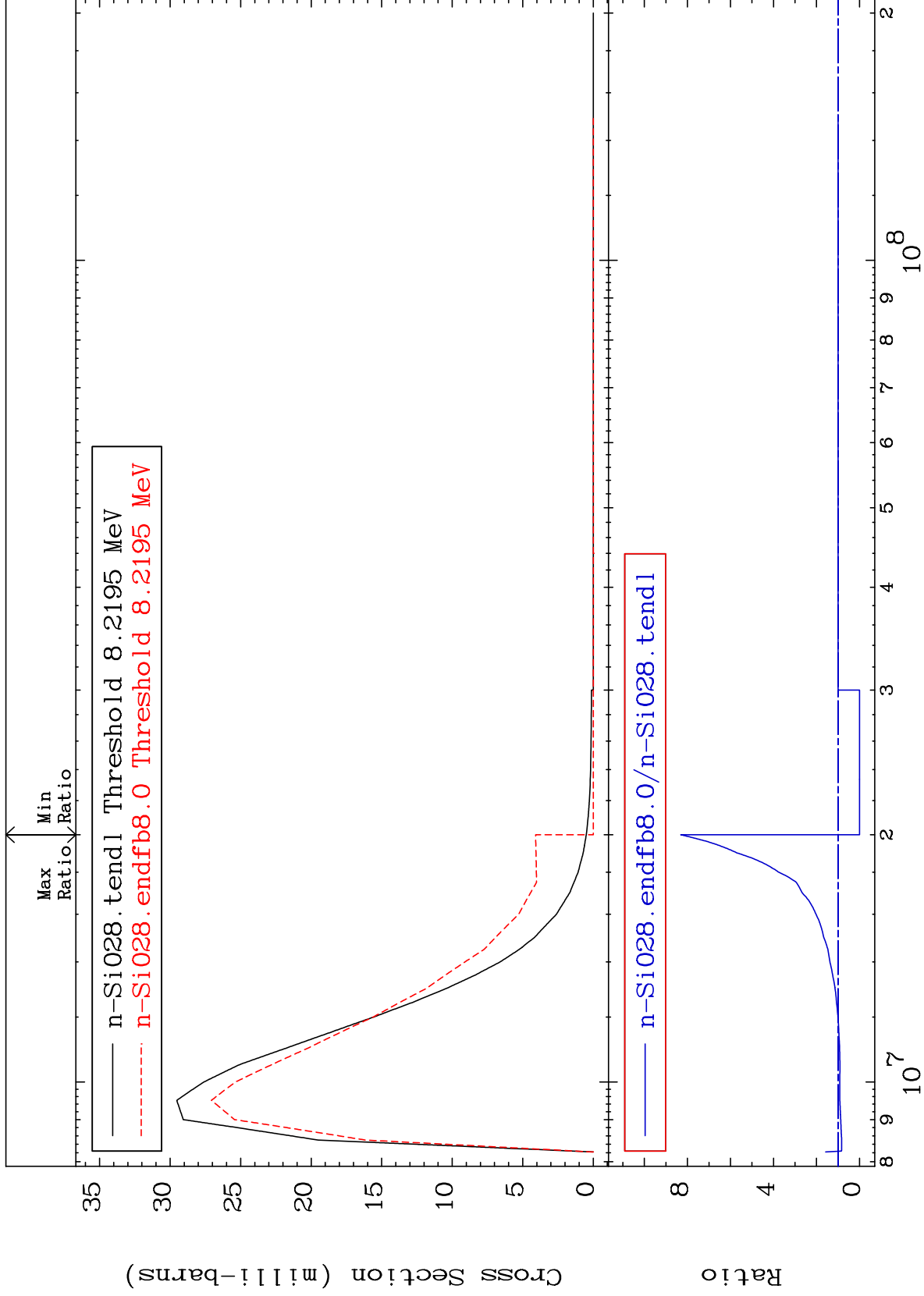
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 61 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 730.9 %



18

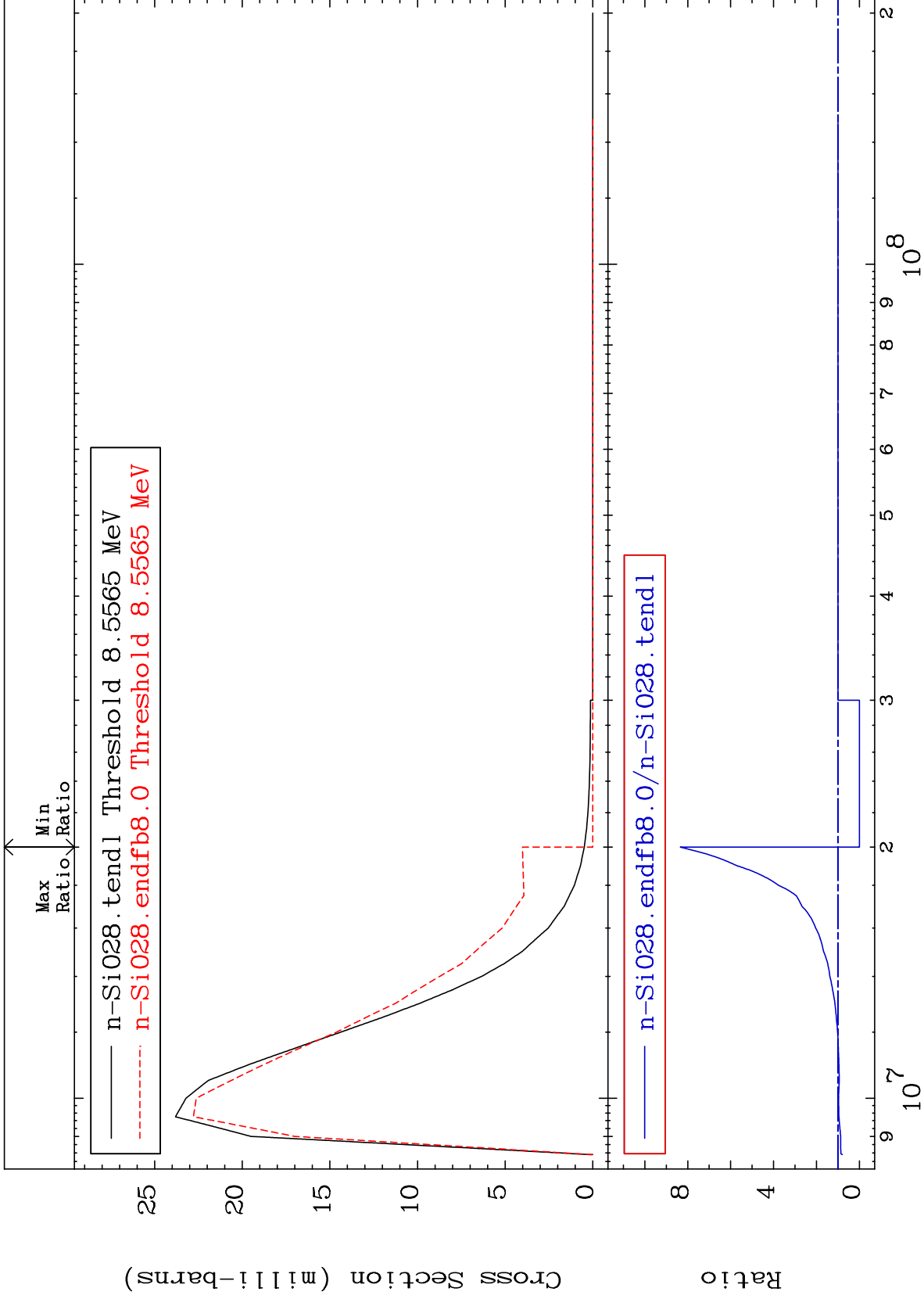
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 62 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 734.3 %



19

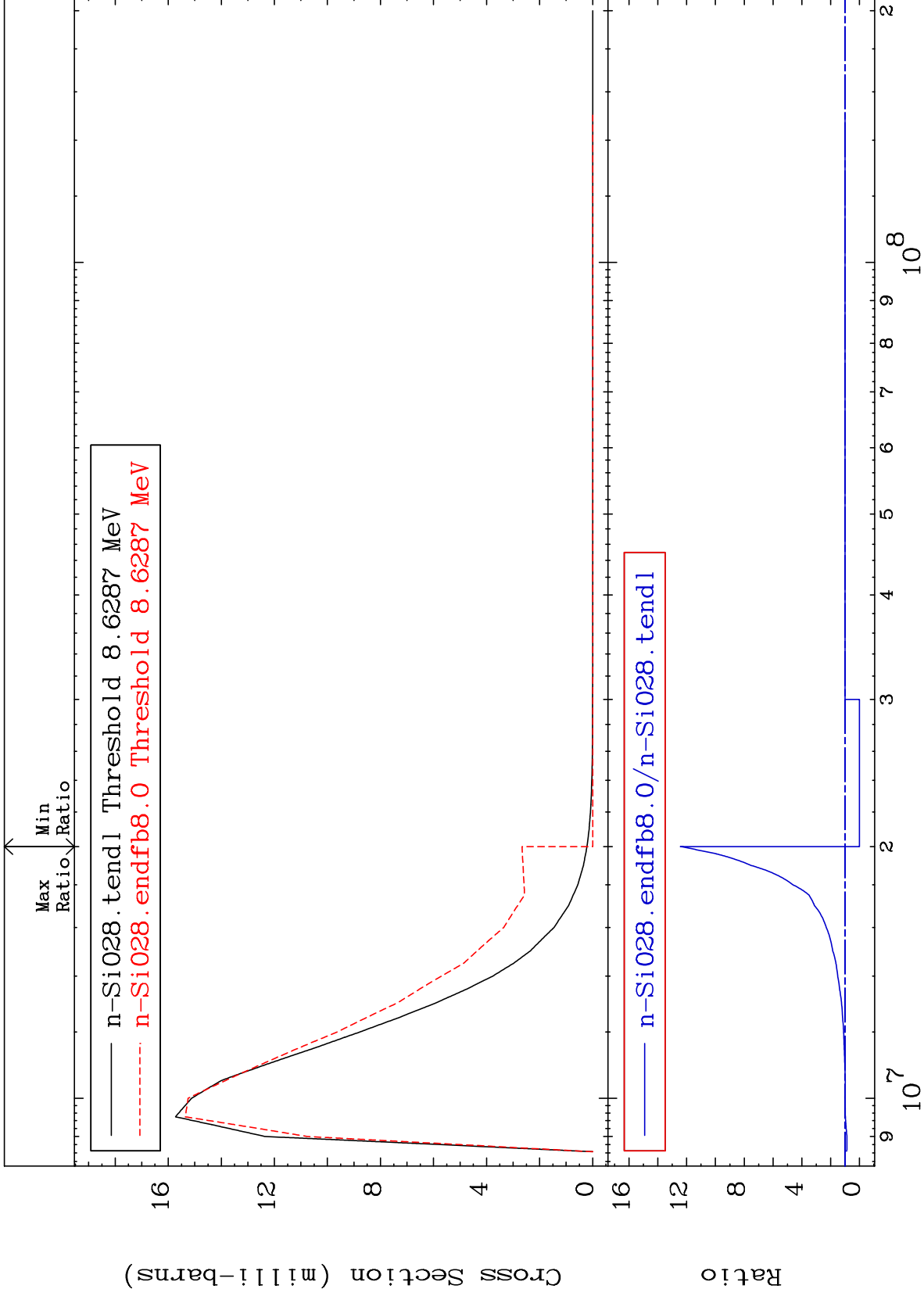
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 63 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 1144. %



20

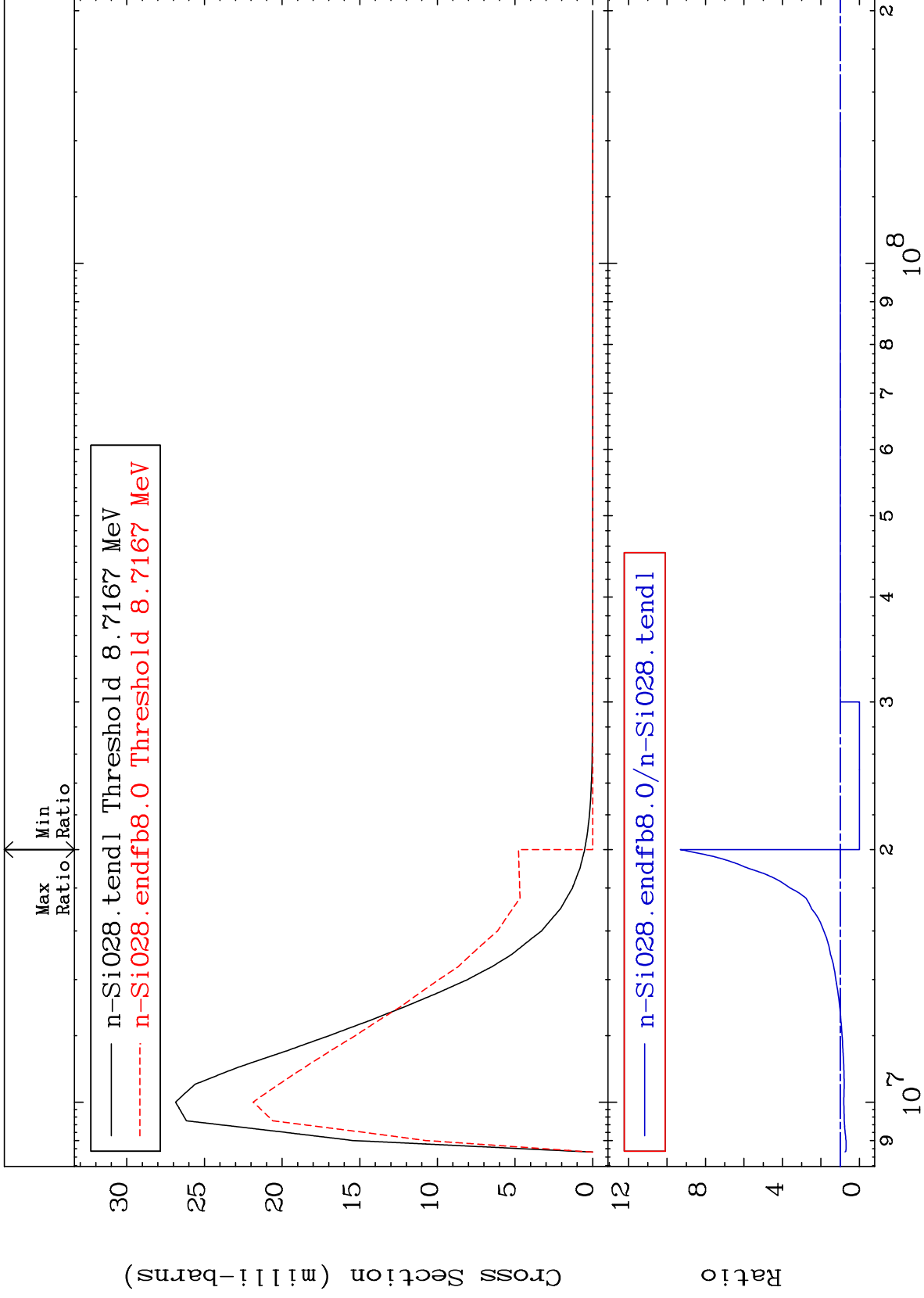
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 64 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 830.7 %



21

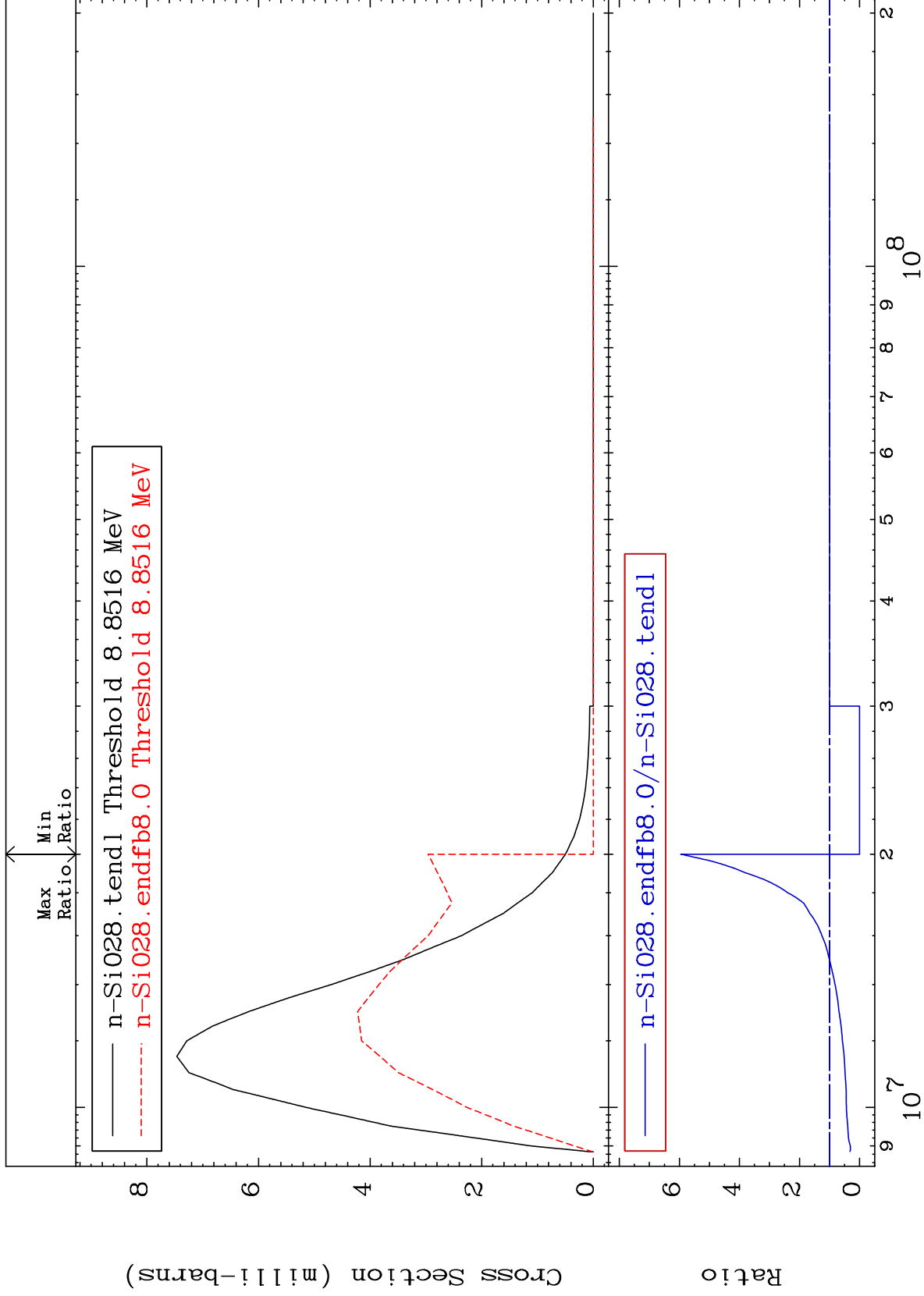
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 65 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 495.5 %



22

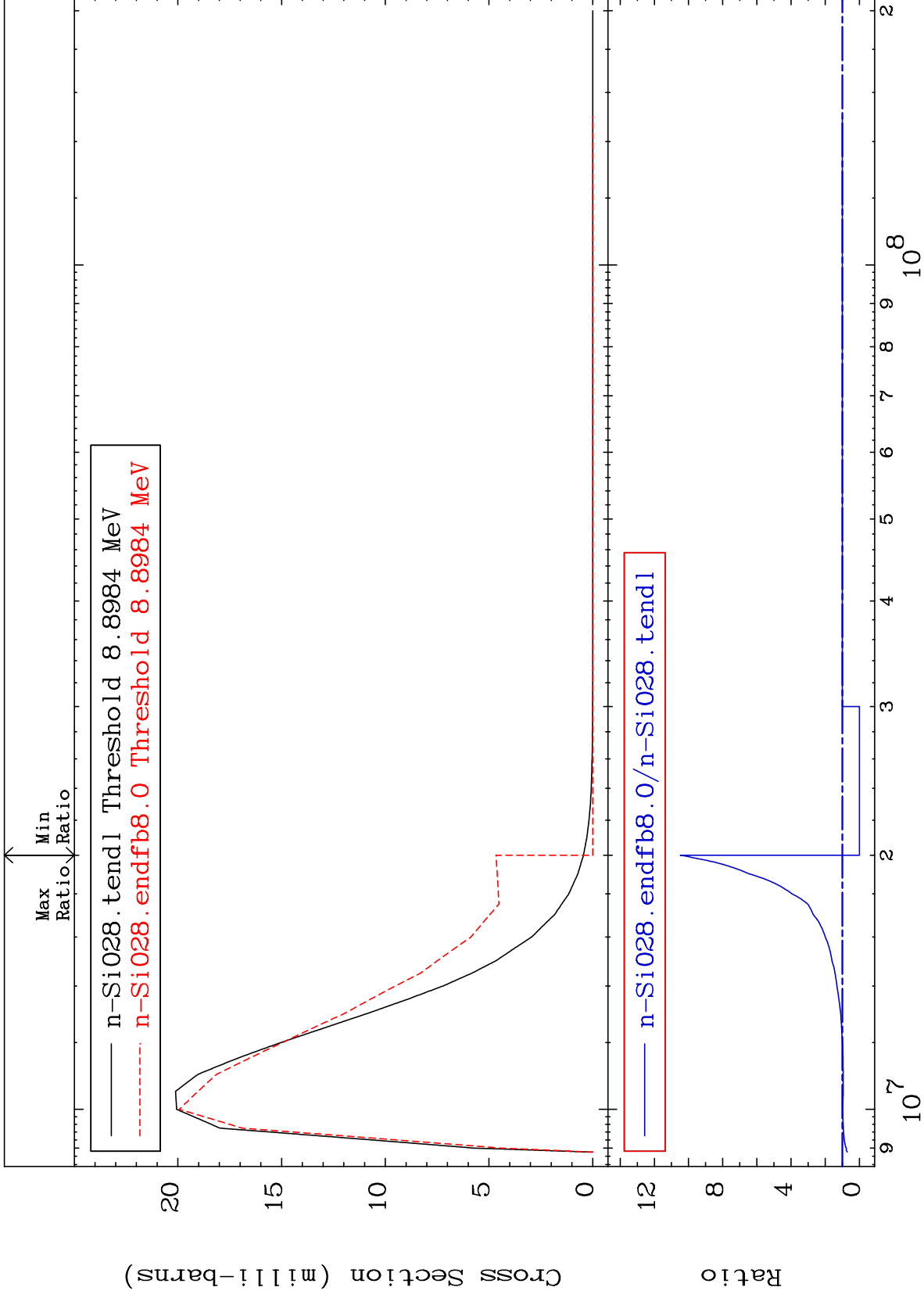
Incident Energy (eV)

14-Si-28

MAT 1425

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

14-Si-28  
-100.0 To 947.9 %



23

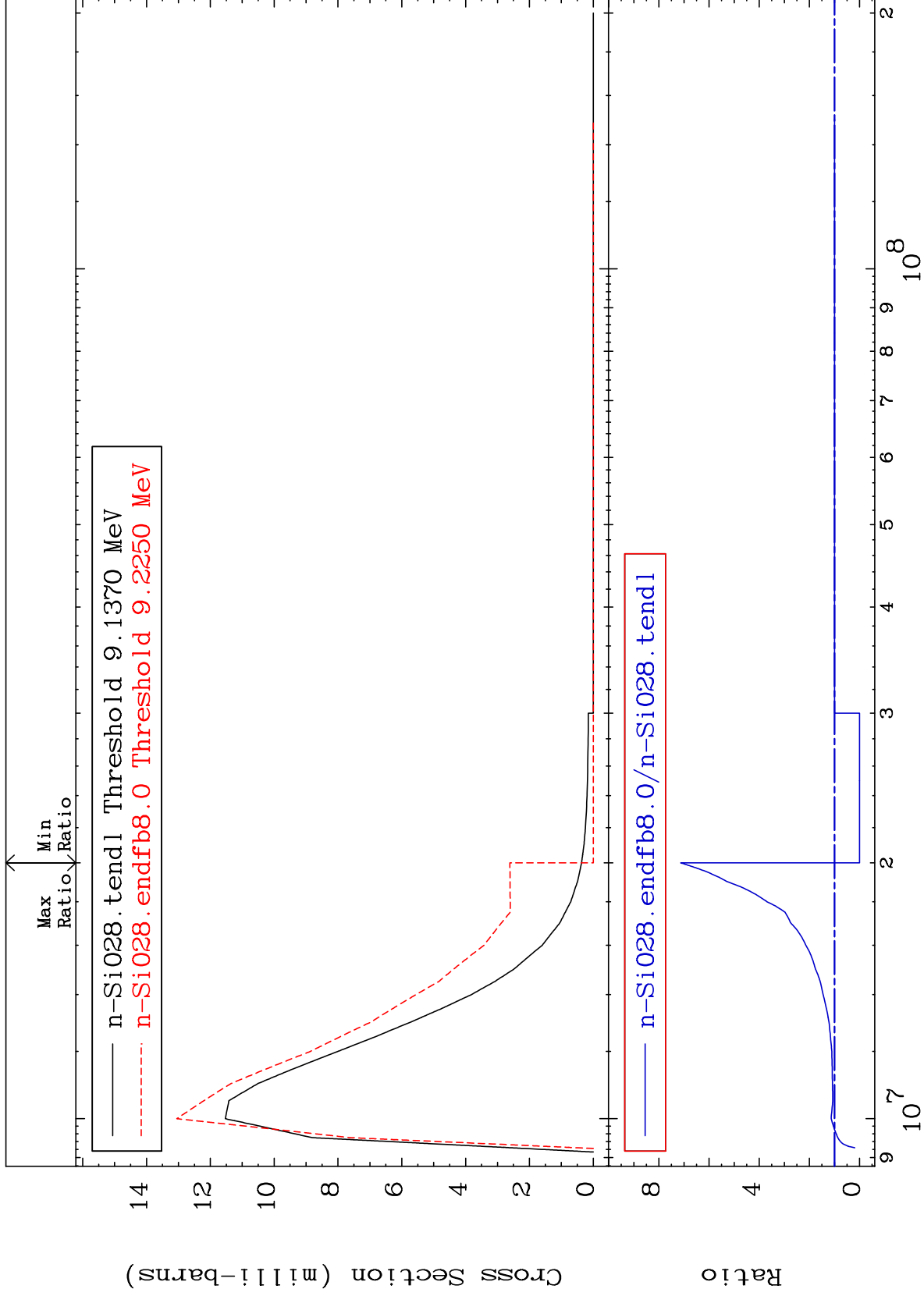
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 67 (n,n') Level  
Cross Section

14-Si-28  
-100.0 To 612.8 %



24

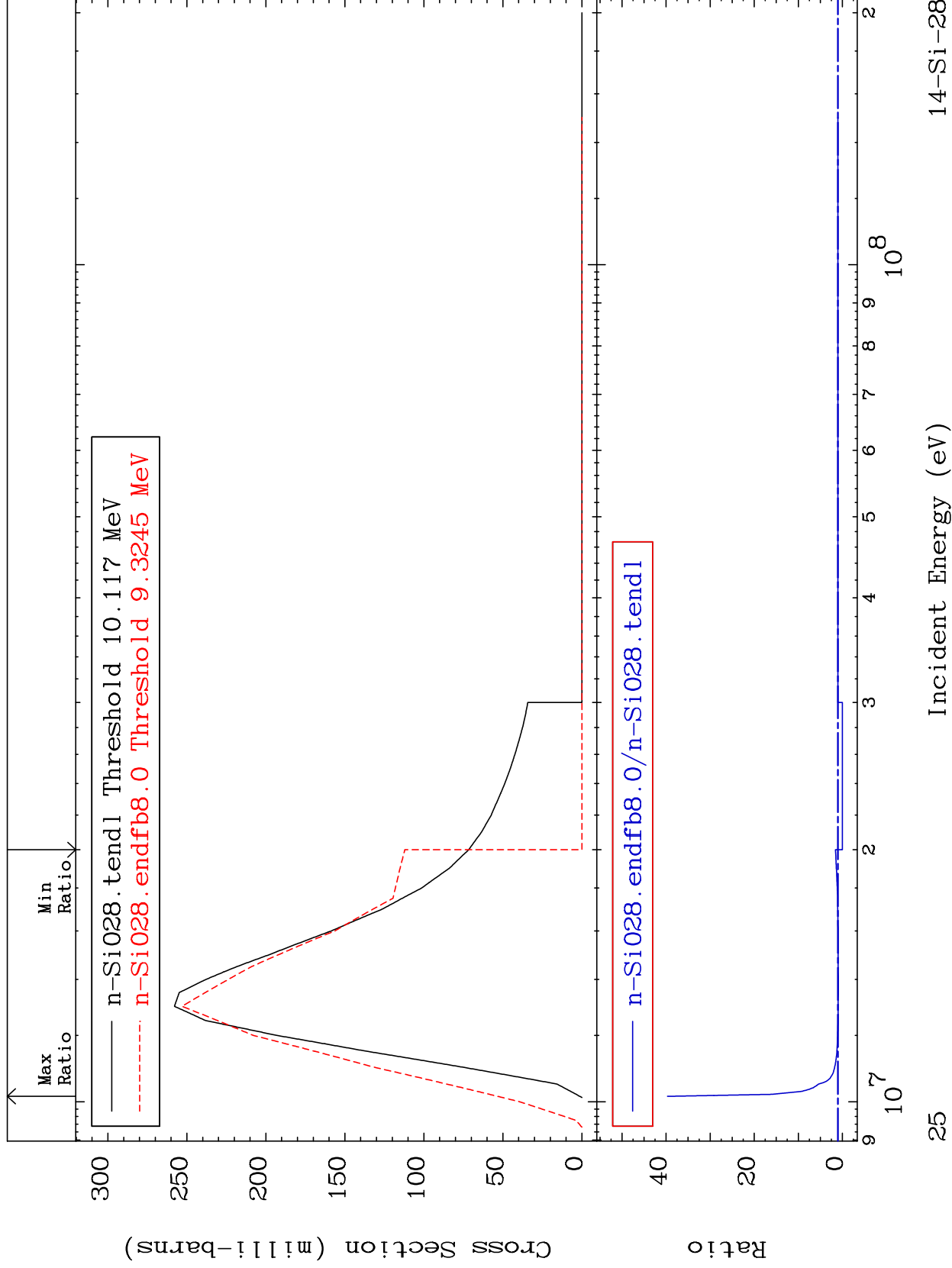
14-Si-28



MAT 1425

(n,n') Continuum  
Cross Section

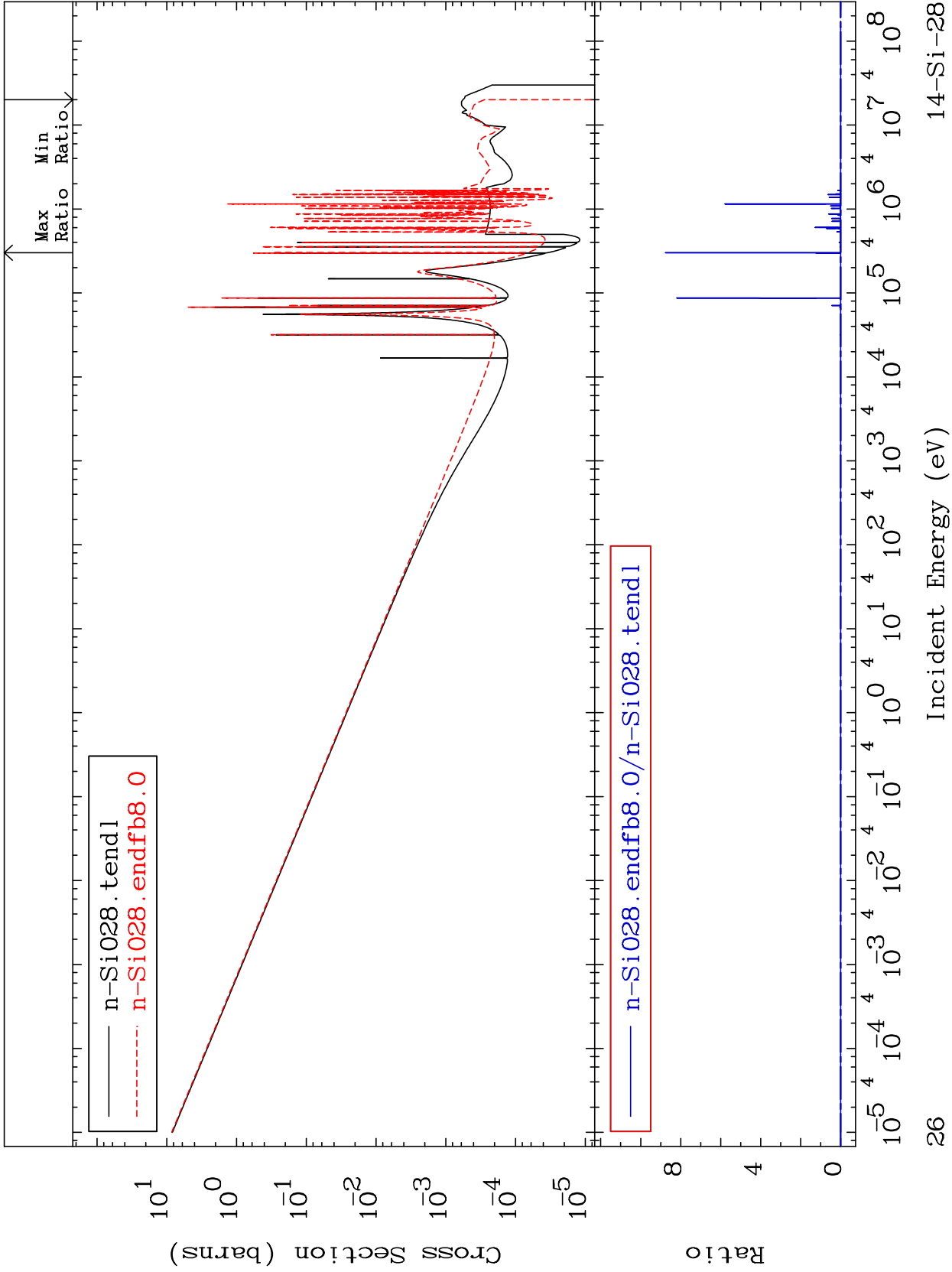
<sup>14</sup>Si-28  
-100.0 To 3868. %



MAT 1425

(n,  $\gamma$ )  
Cross Section

14-Si-28  
-100.0 To 9999. %



26

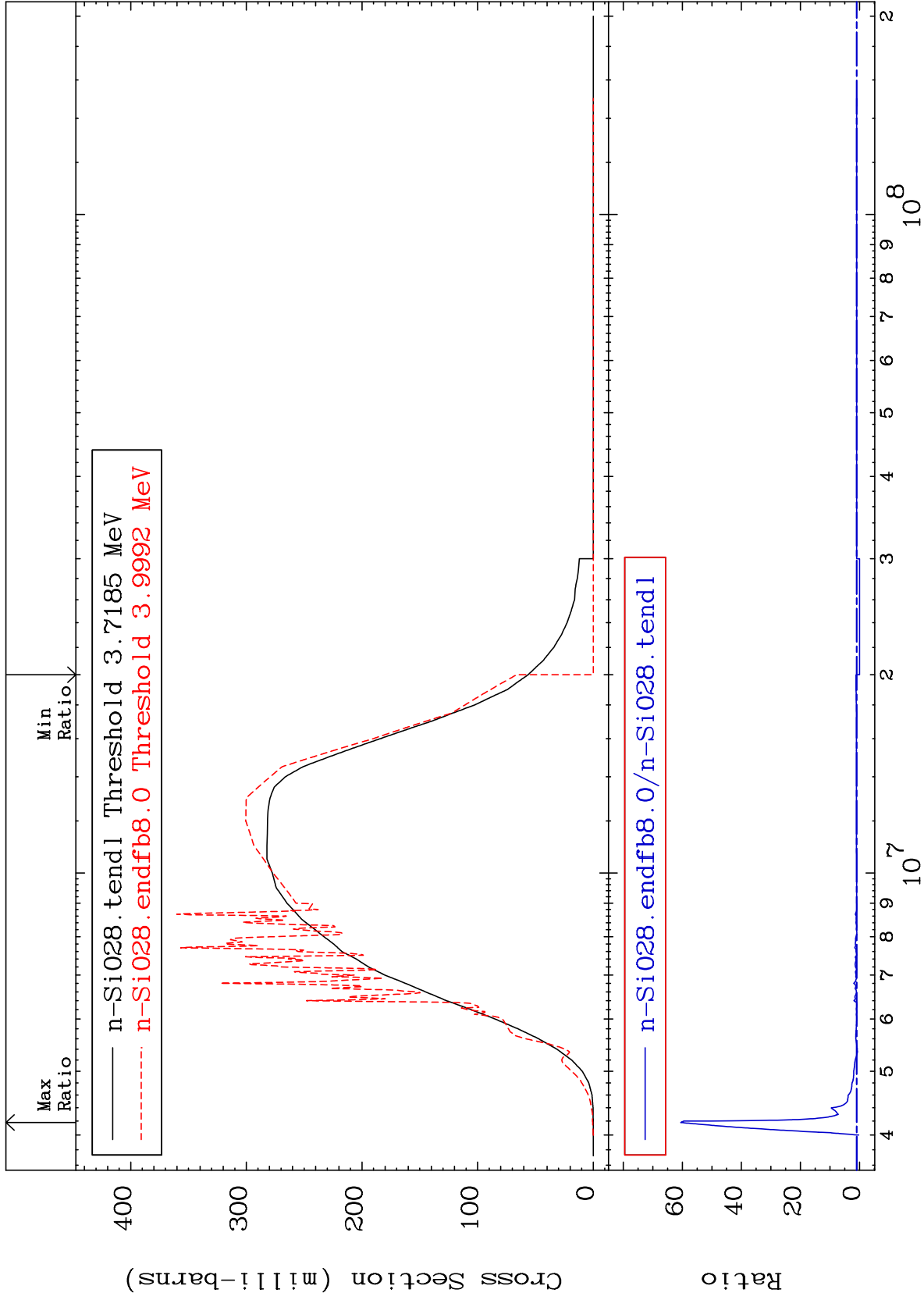
MAT 1425

(n,p)

<sup>14</sup>Si-28

Cross Section

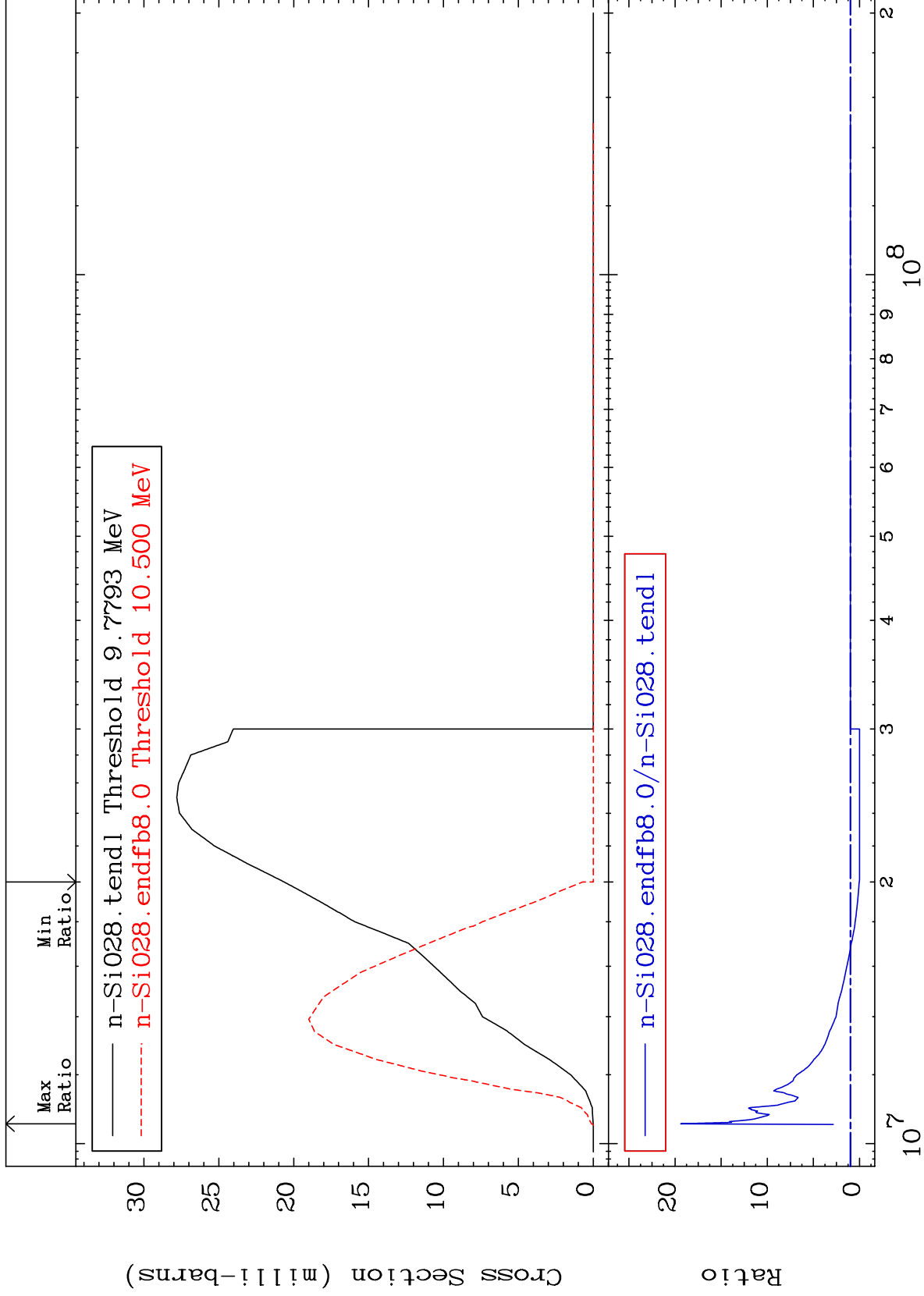
-100.0 To 5952. %



MAT 1425

(n, d)  
Cross Section

14-Si-28  
-100.0 To 1838. %



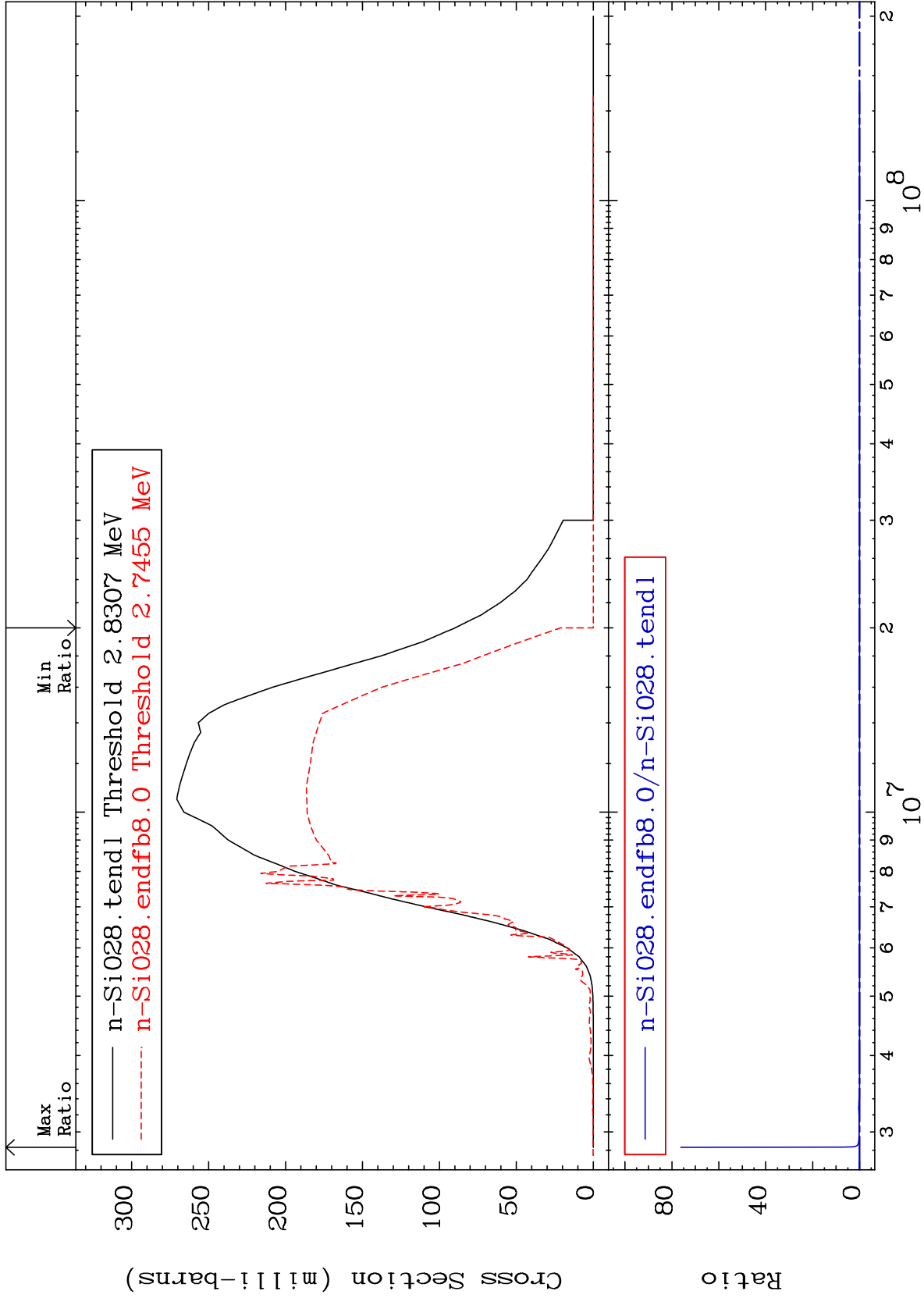
MAT 1425

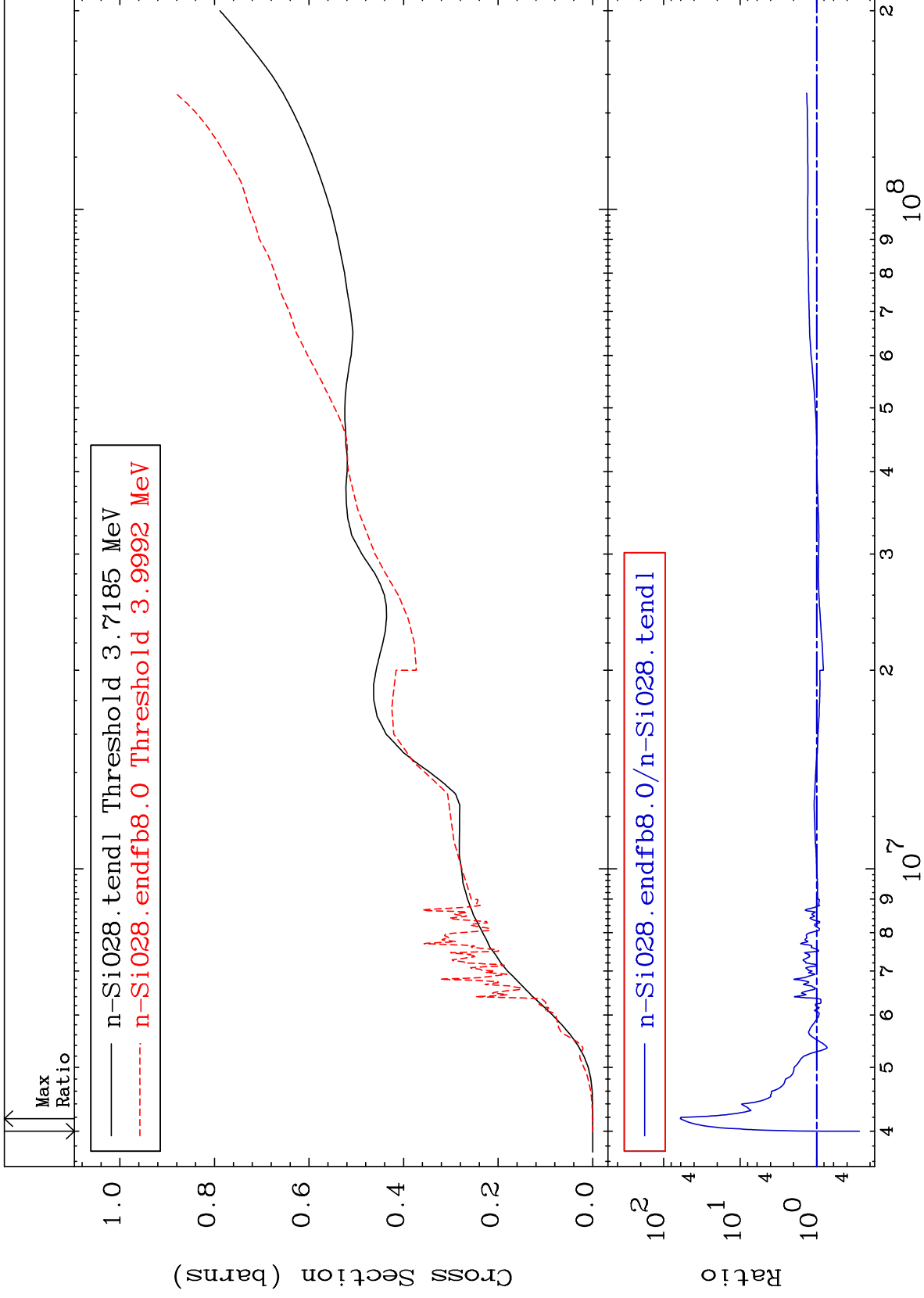
(n,  $\alpha$ )

<sup>14</sup>Si-28

Cross Section

-100.0 To 9999. %

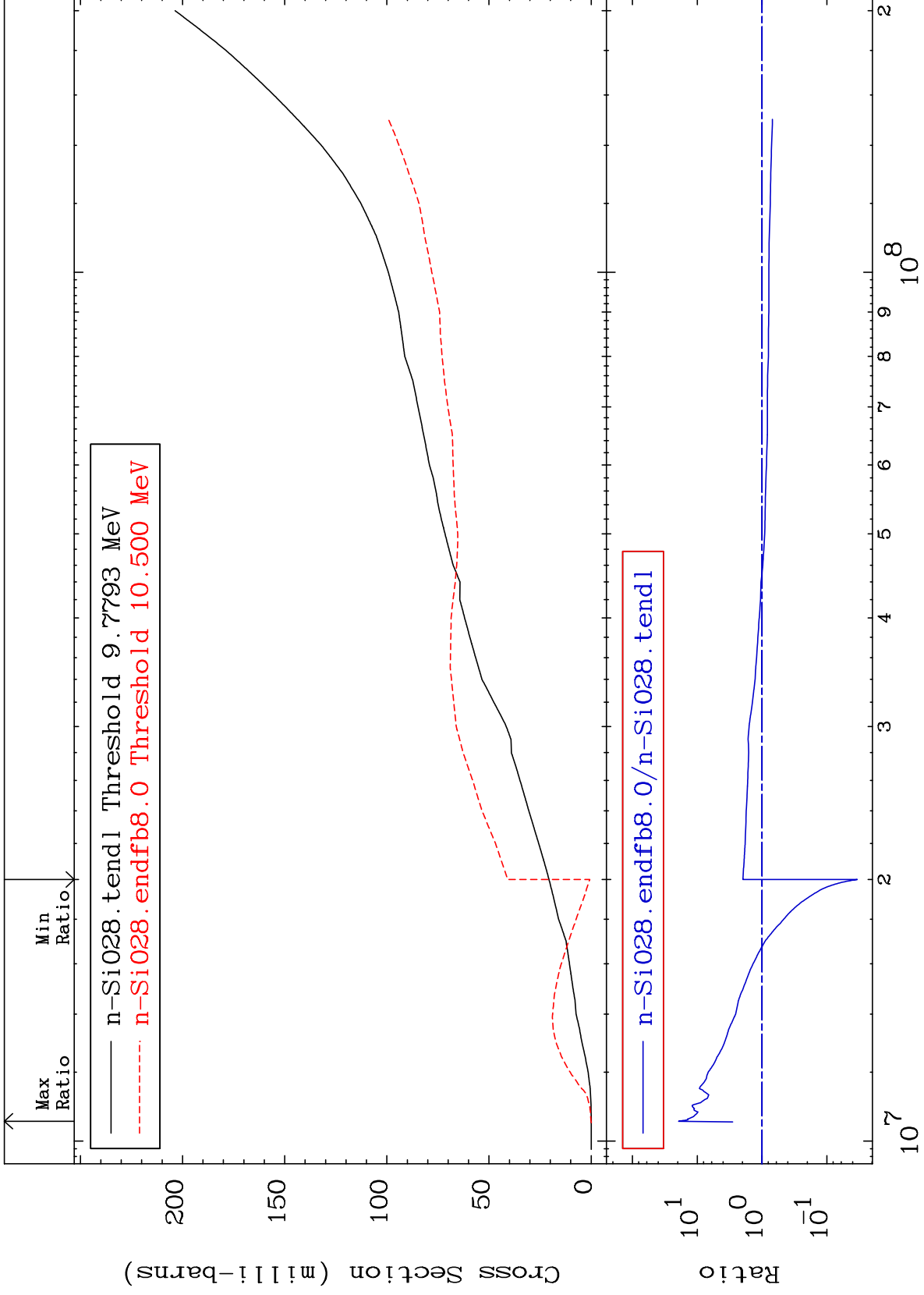




MAT 1425

Deuterium Production  
Cross Section

14-Si-28  
-96.61 To 1838. %



31

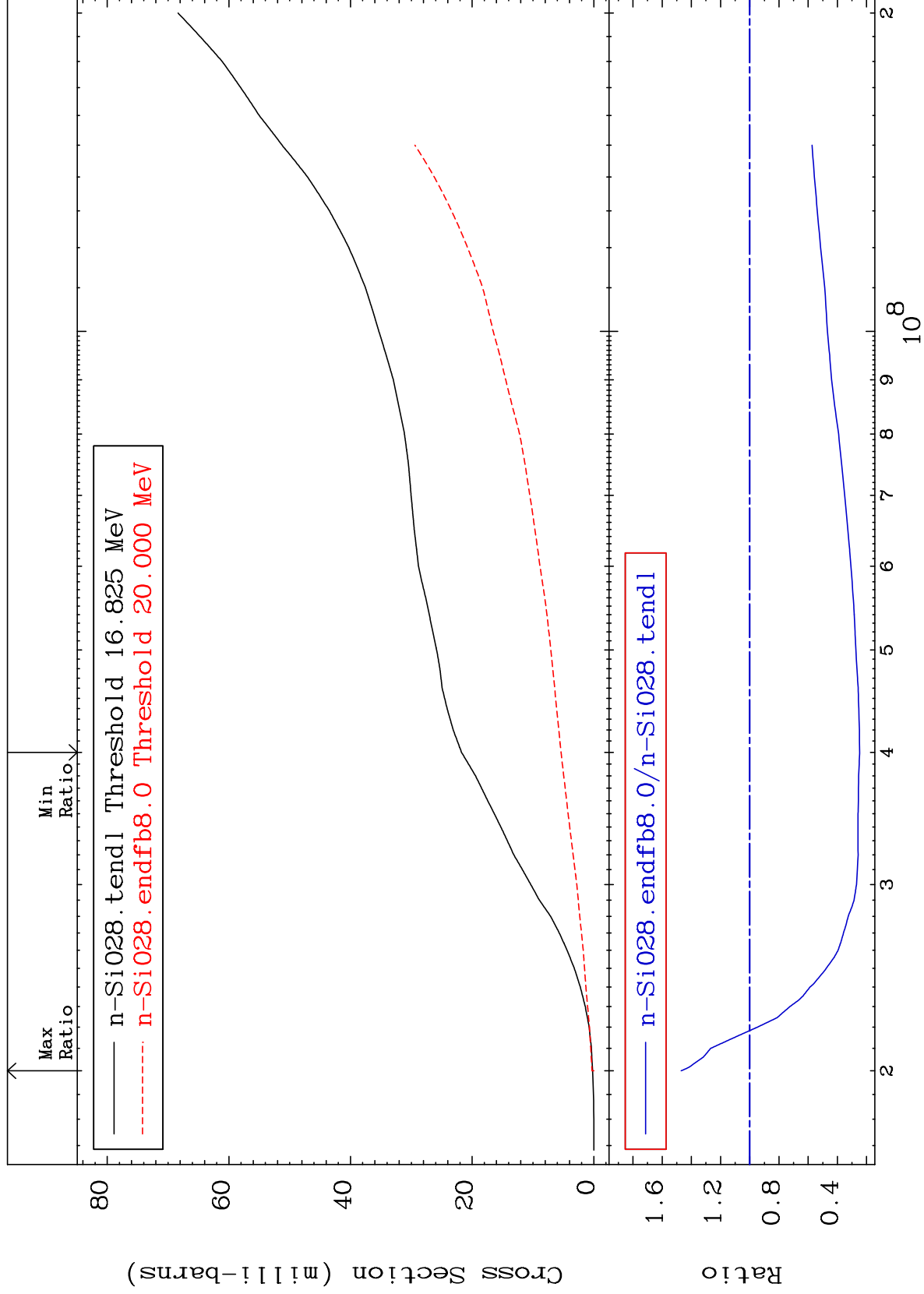
Incident Energy (eV)

14-Si-28

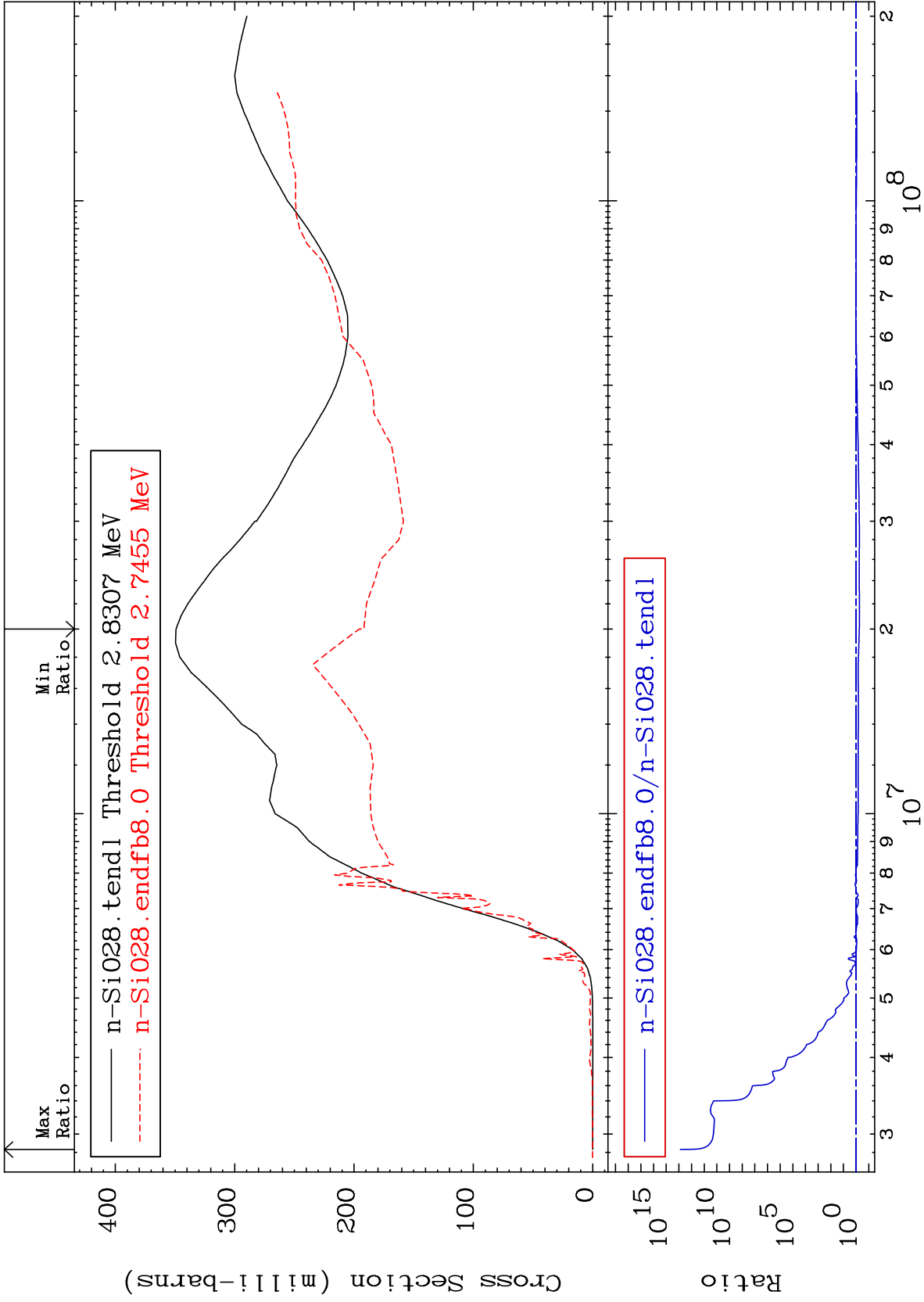
MAT 1425

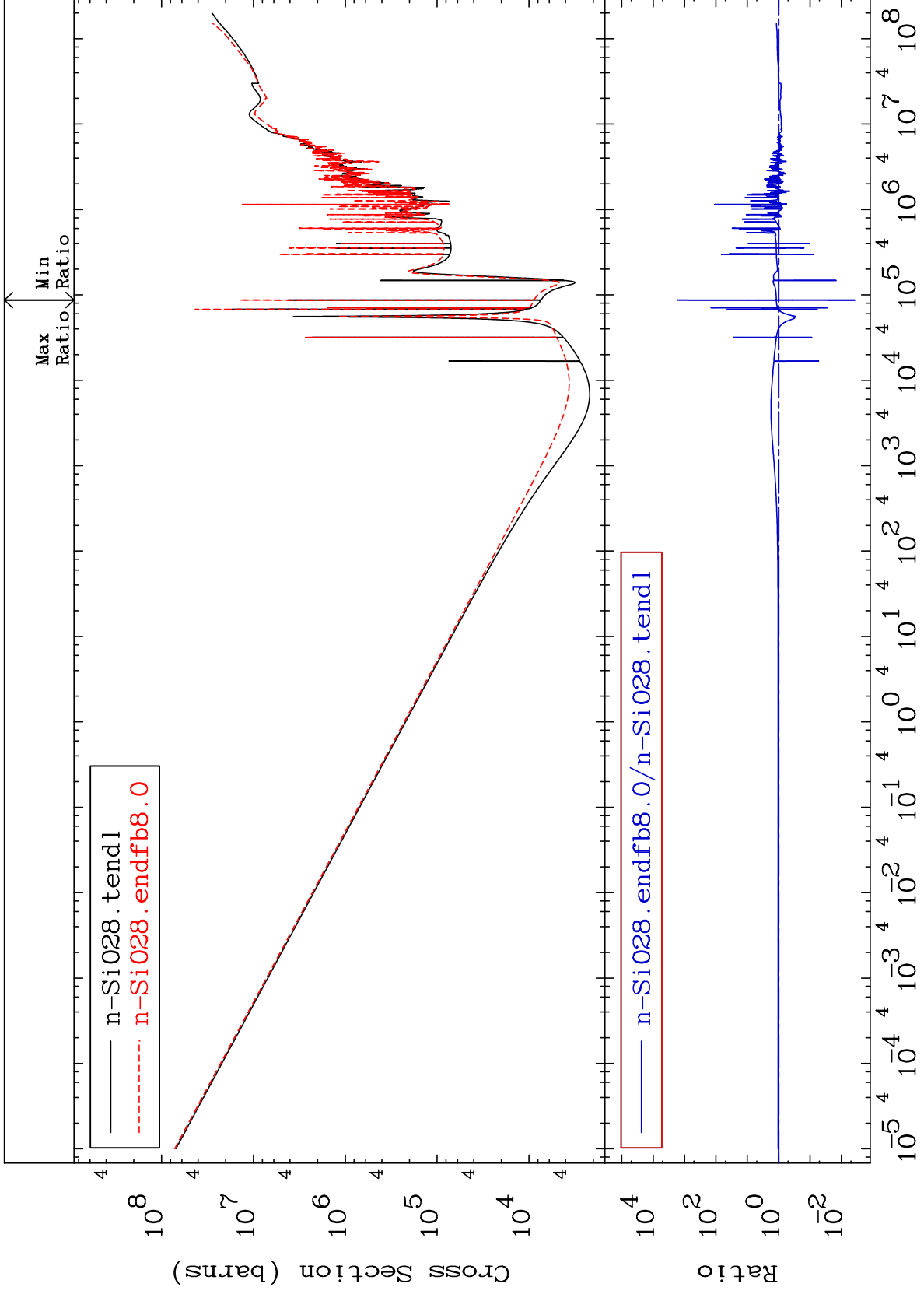
Tritium Production  
Cross Section

<sup>14</sup>Si-28  
-75.24 To 46.96 %





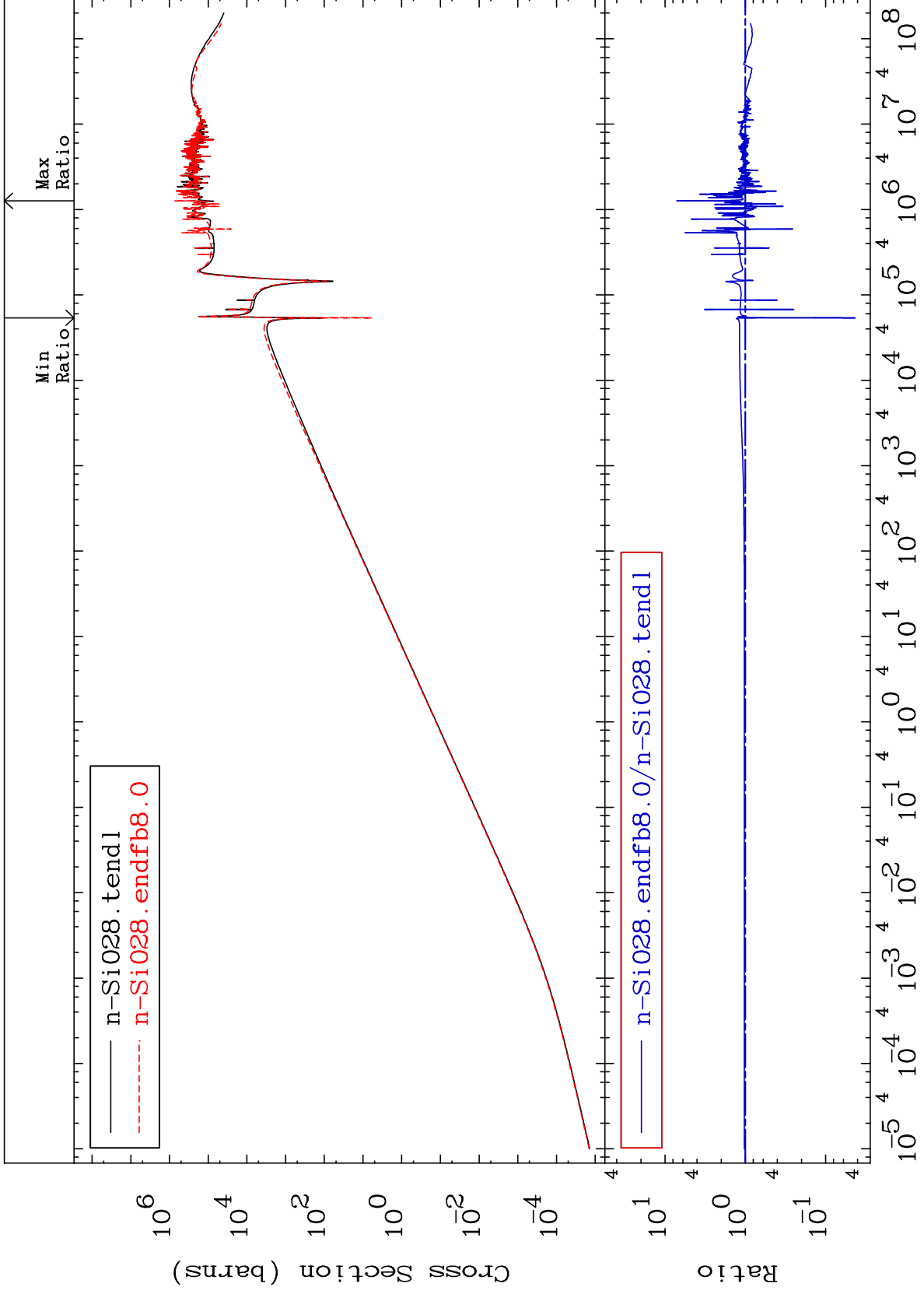


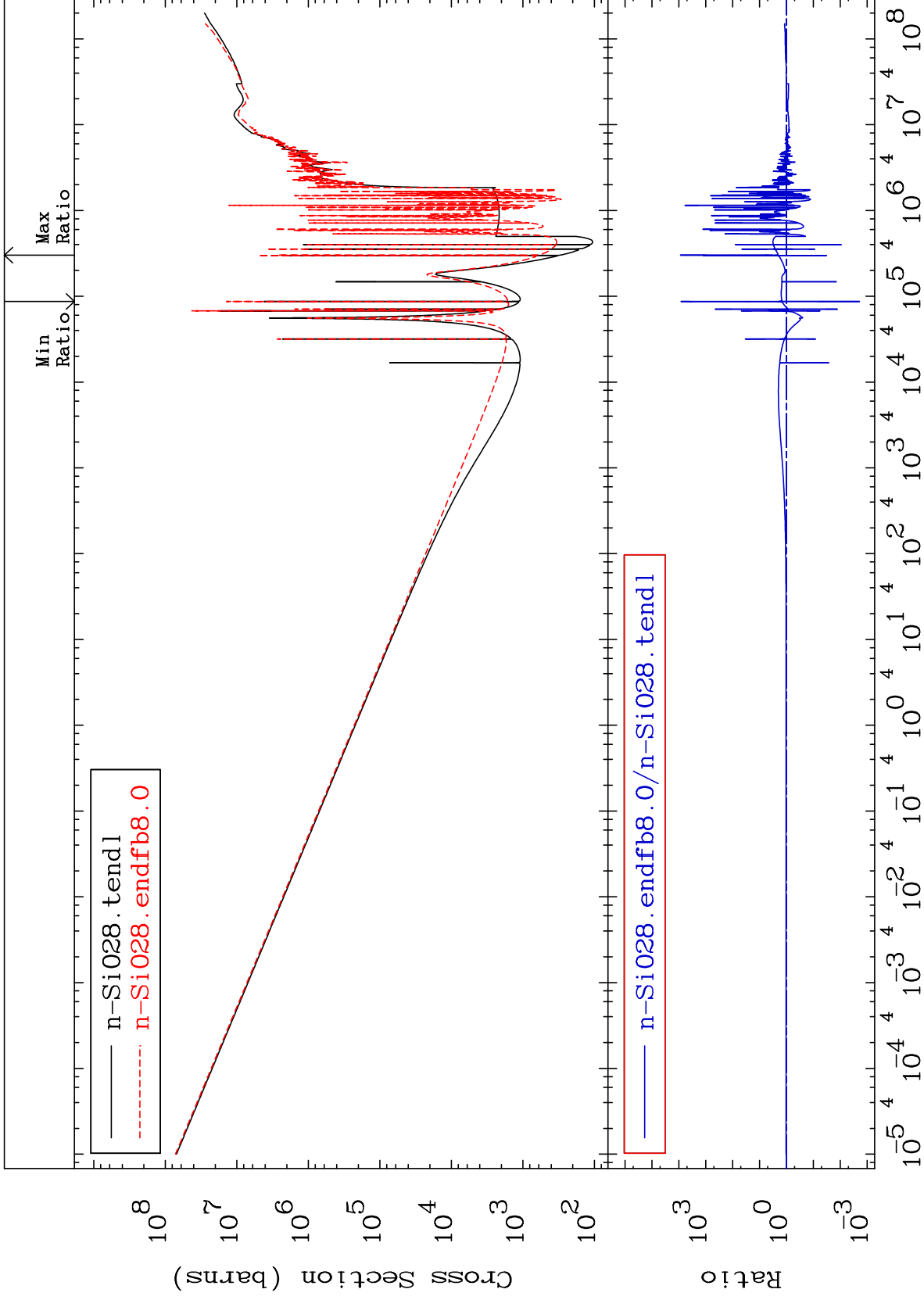


MAT 1425

Kerma elastic  
Cross Section

14-Si-28  
-95.70 To 611.7 %



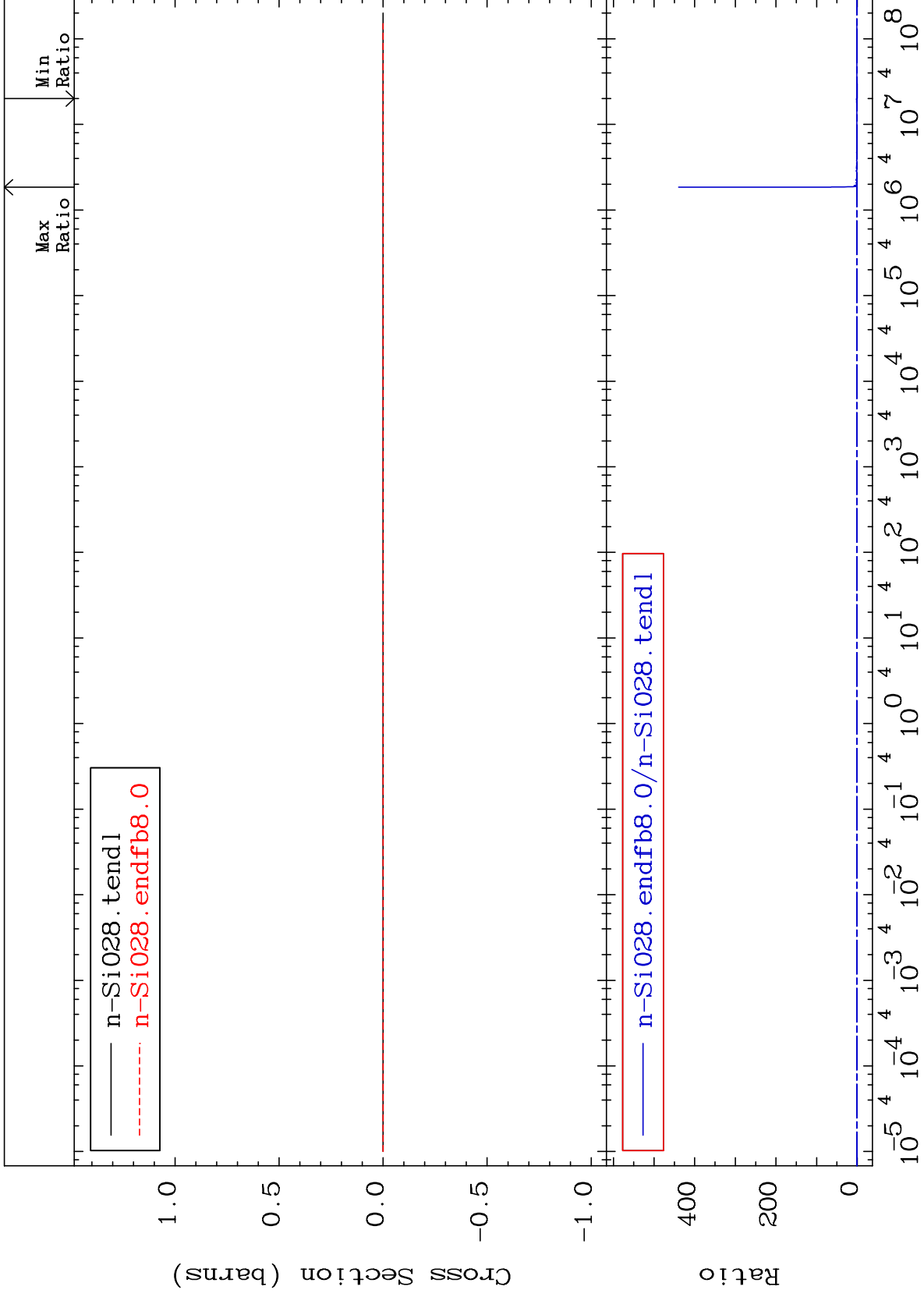




MAT 1425

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

14-Si-28  
-100.0 To 9999. %



38

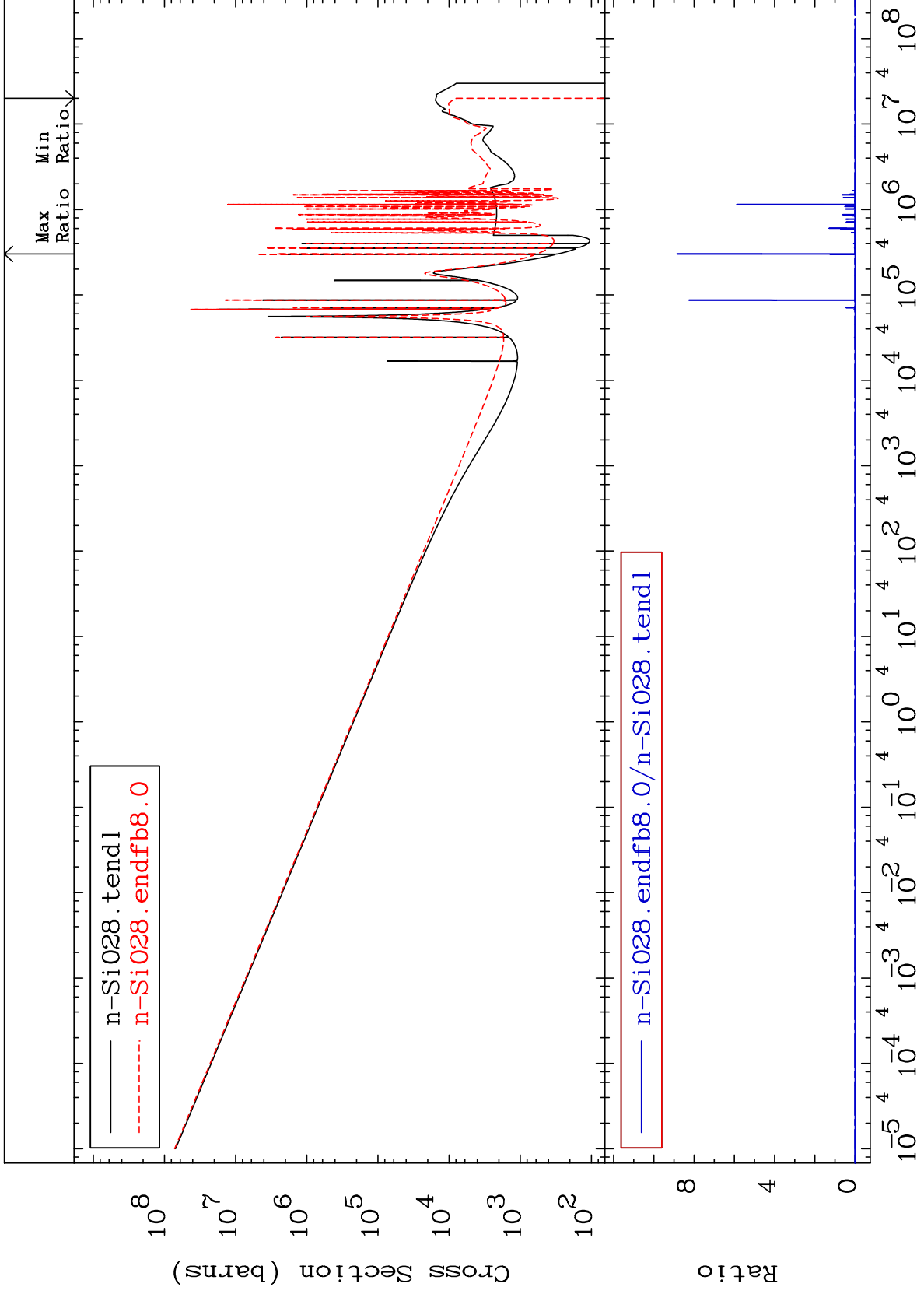
Incident Energy (eV)

14-Si-28

MAT 1425

Kerma capture (mt102)  
Cross Section

14-Si-28  
-100.0 To 9999. %



39

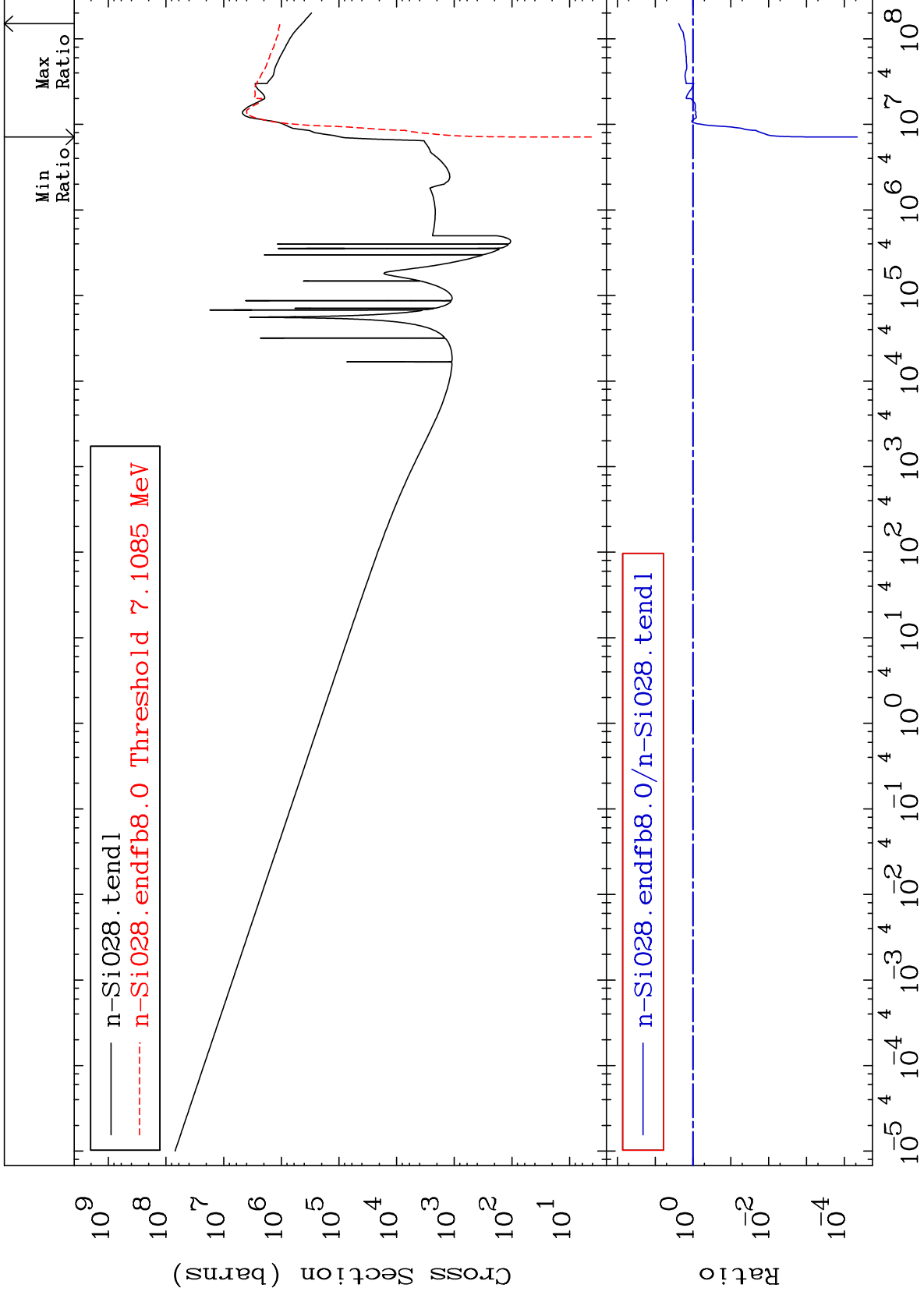
Incident Energy (eV)

14-Si-28

MAT 1425

Total photon (eV-barns)  
Cross Section

14-Si-28  
-100.0 To 140.3 %



Incident Energy (eV)

14-Si-28

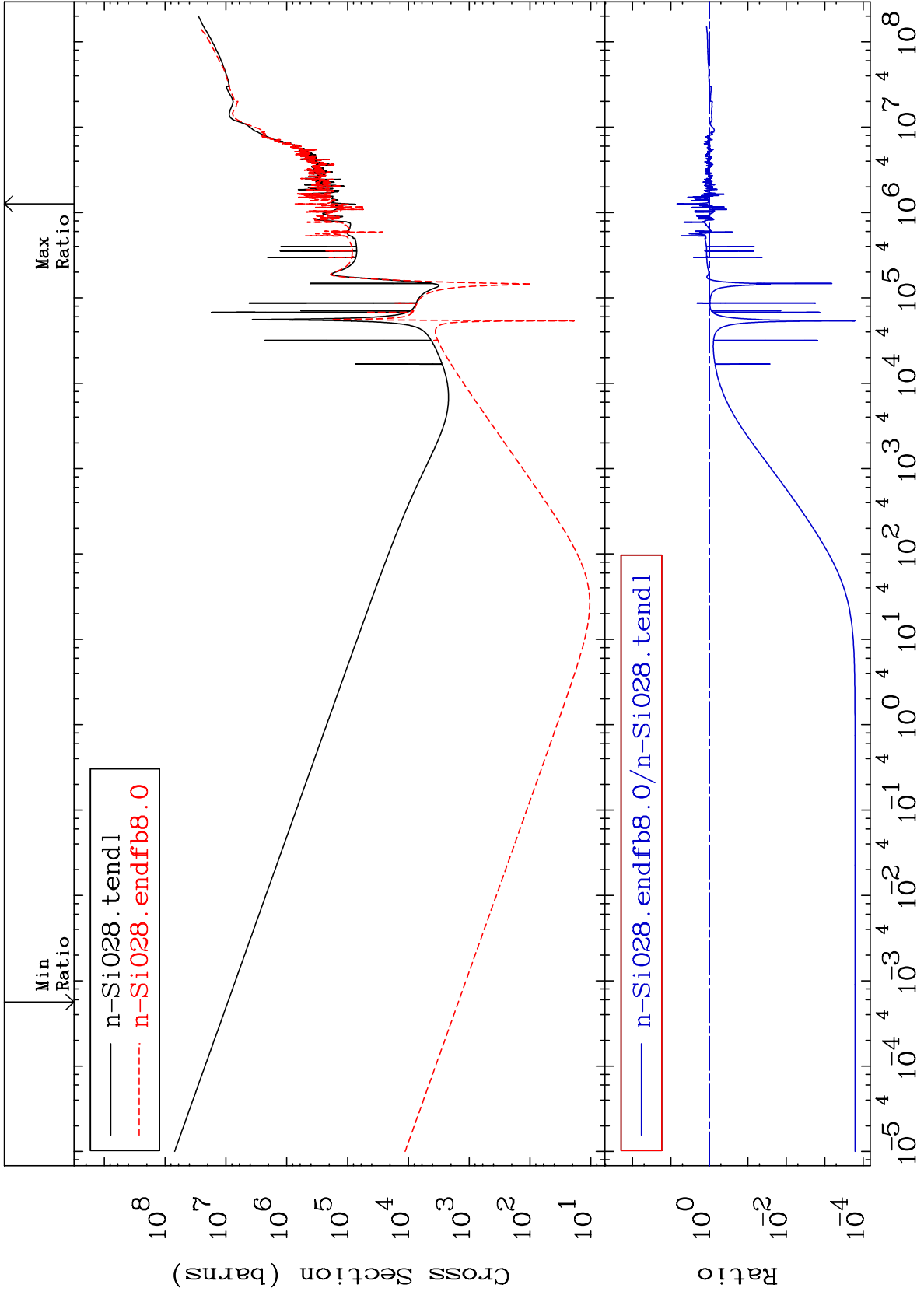
40

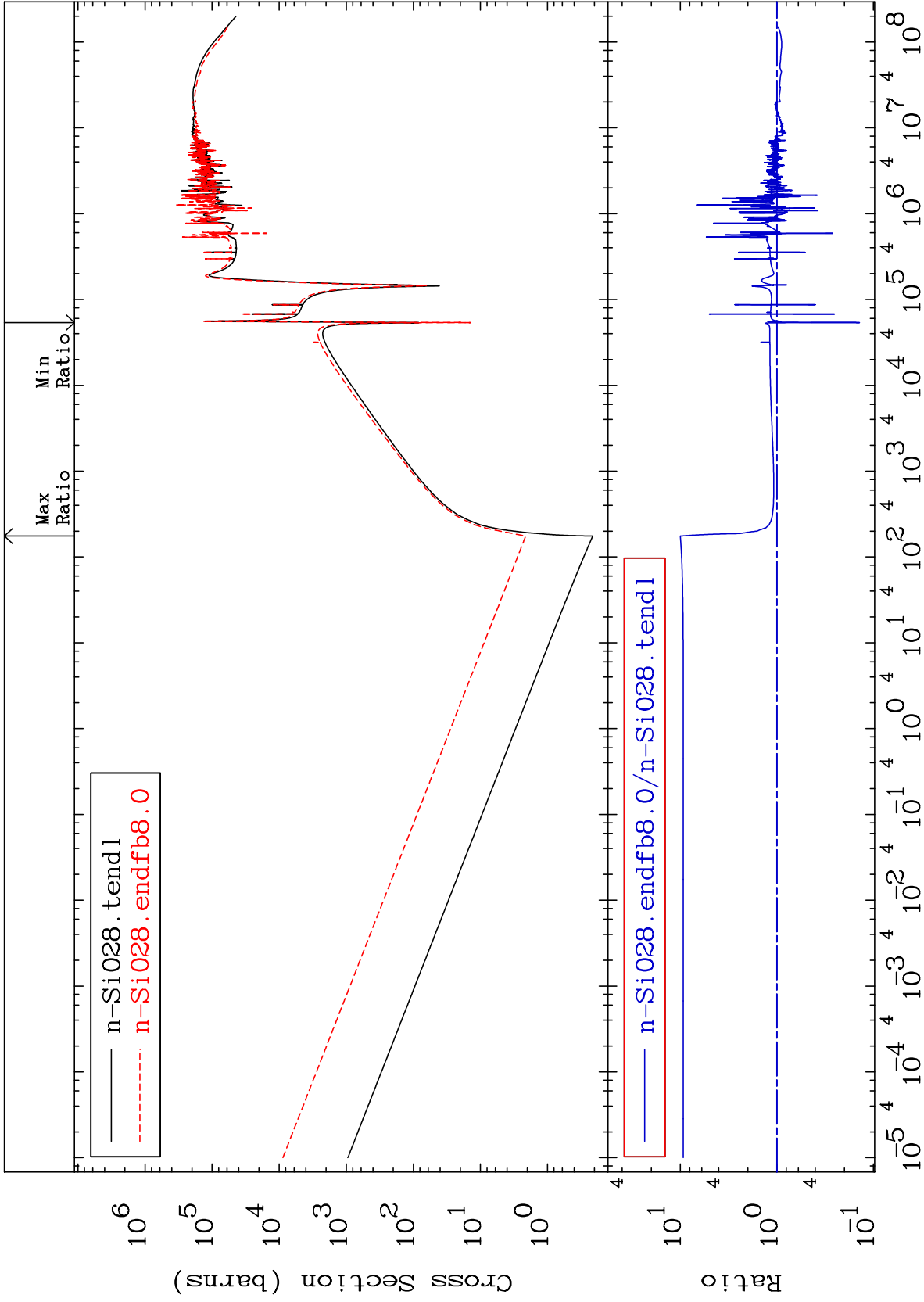


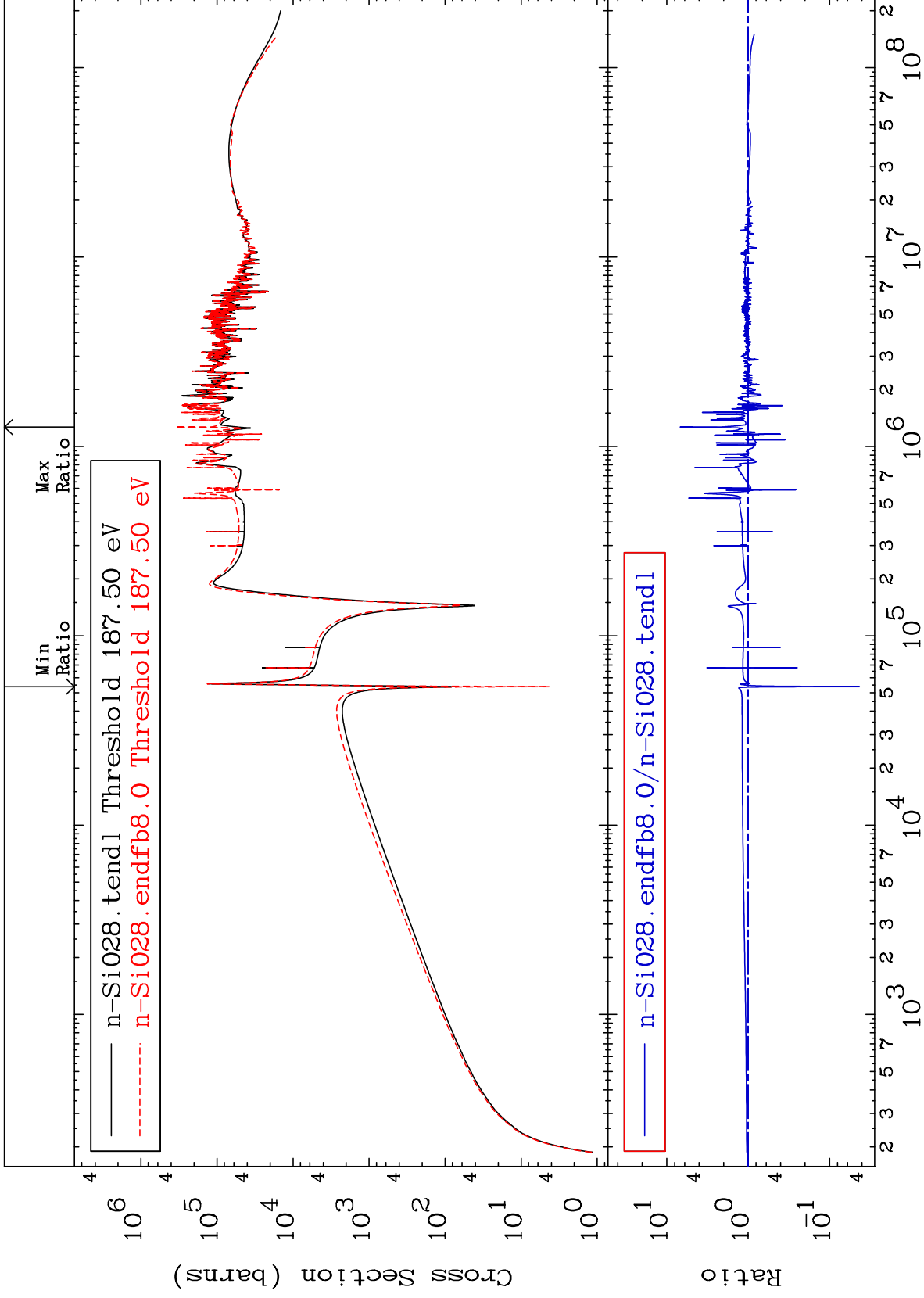
MAT 1425

Total kinematic kerma (high limit)  
Cross Section

14-Si-28  
-99.98 To 597.0 %







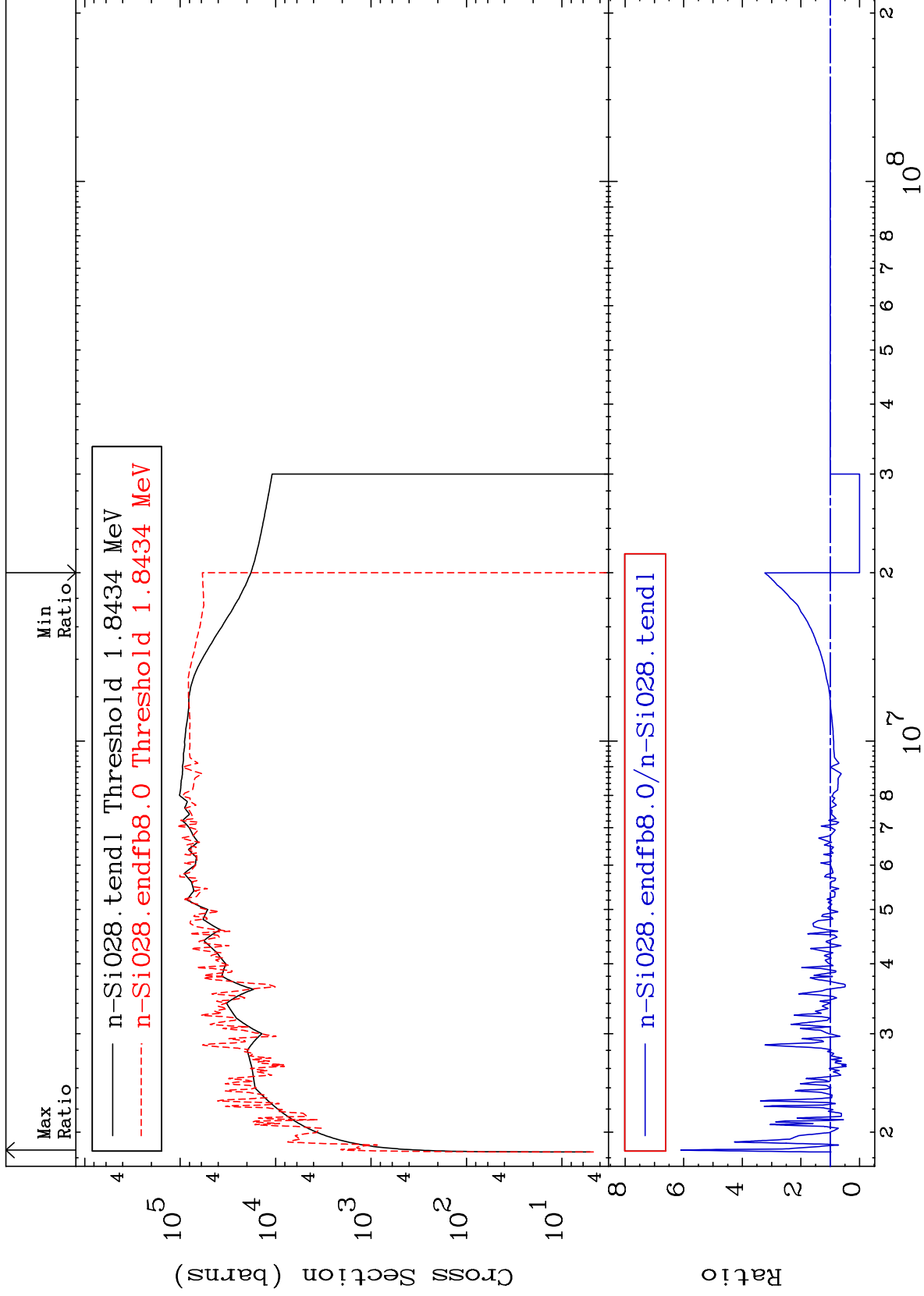
MAT 1425

Dpa inelastic (mt51-91)

14-Si-28

Cross Section

-100.0 To 510.1 %



MAT 1425

Dpa disappearance (mt102 -120)  
Cross Section

14-Si-28  
-100.0 To 9999. %

