

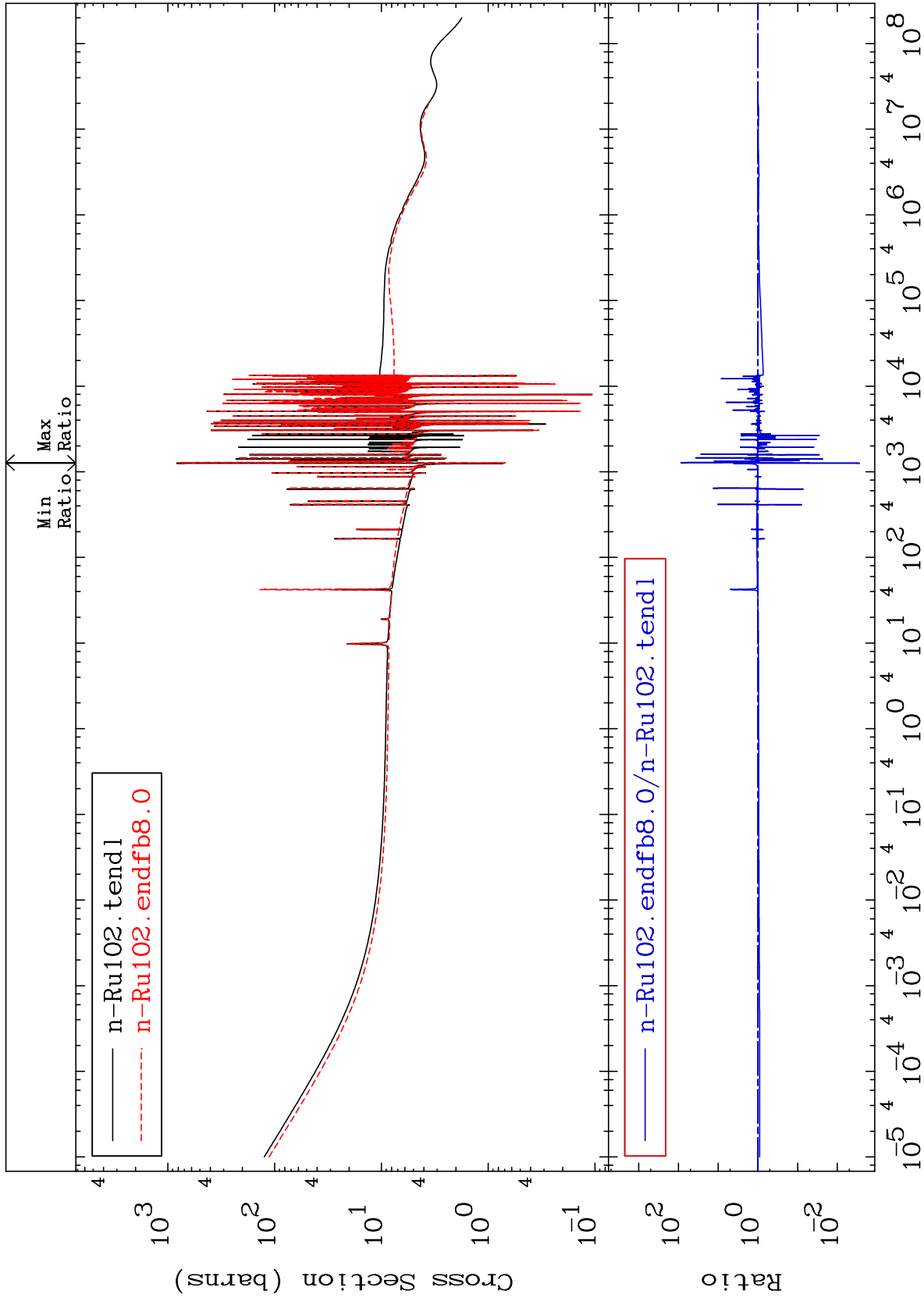
MAT 4443

Total

44-Ru-102

Cross Section

-99.72 To 8656. %



Incident Energy (eV)

44-Ru-102

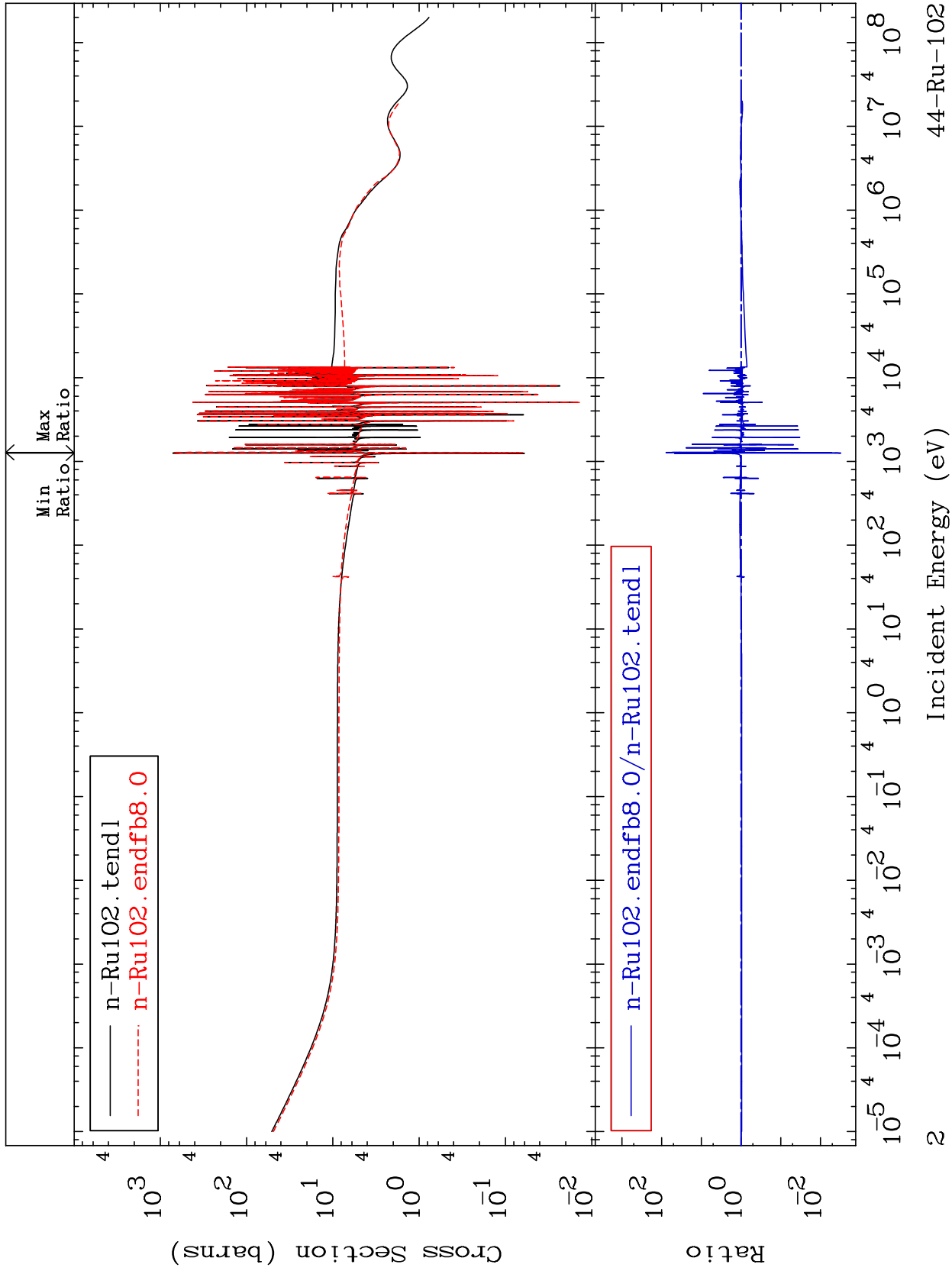
MAT 4443

Elastic

Cross Section

44-Ru-102

-99.69 To 7643. %



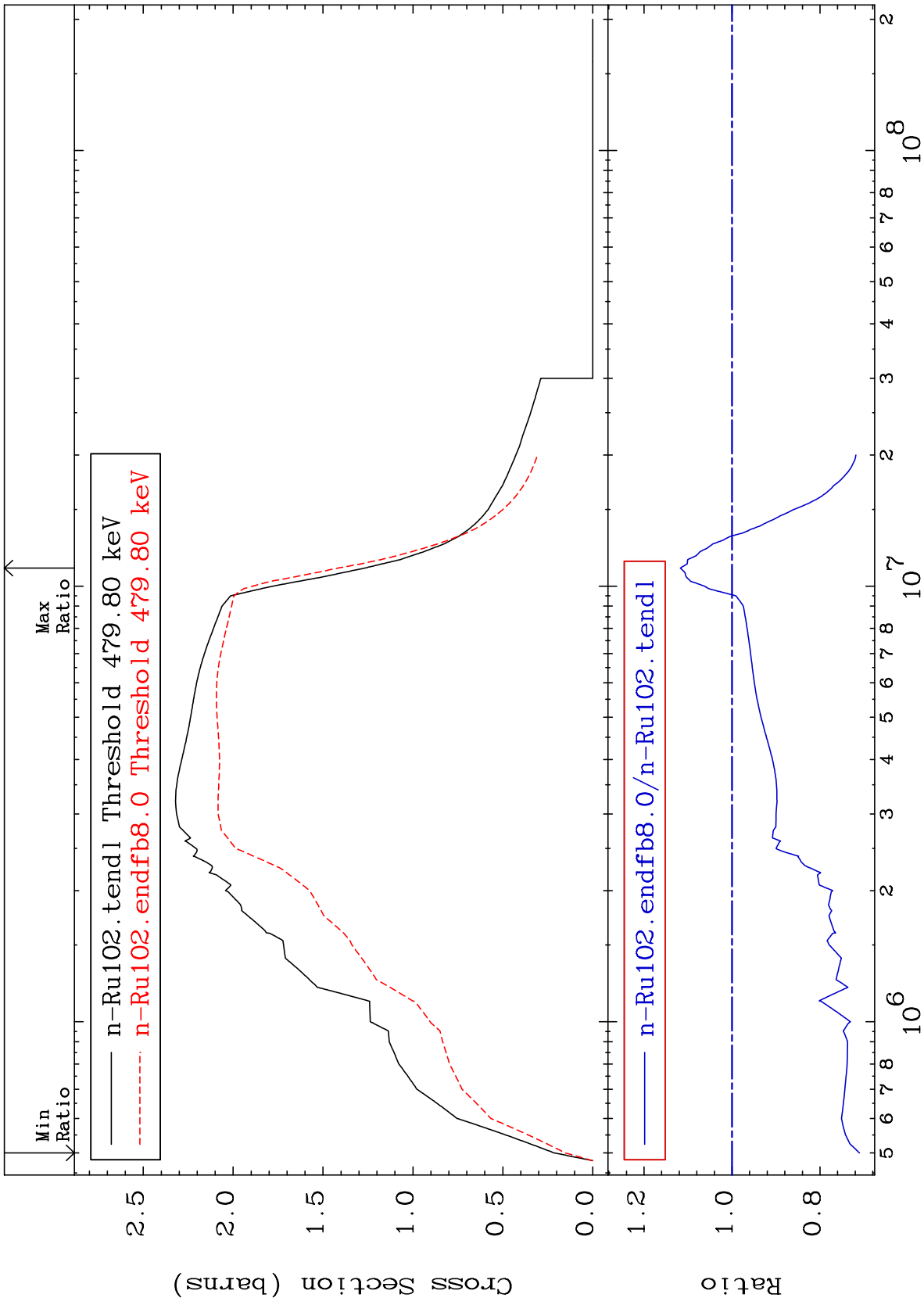
2

Incident Energy (eV)

44-Ru-102

MAT 4443

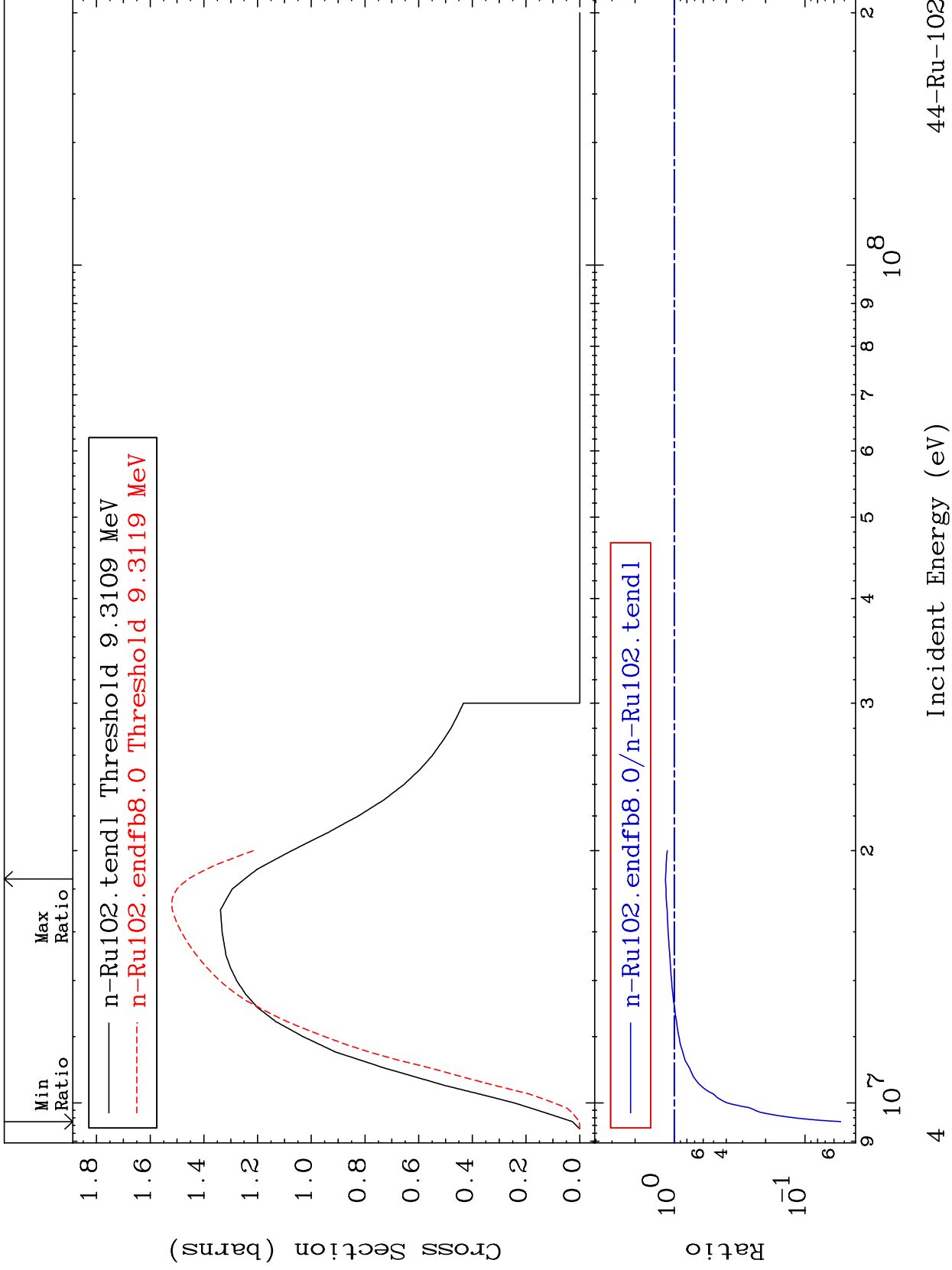
Inelastic Cross Section  
44-Ru-102  
-28.96 To 11.75 %



MAT 4443

(n,2n)  
Cross Section

44-Ru-102  
-94.67 To 16.81 %



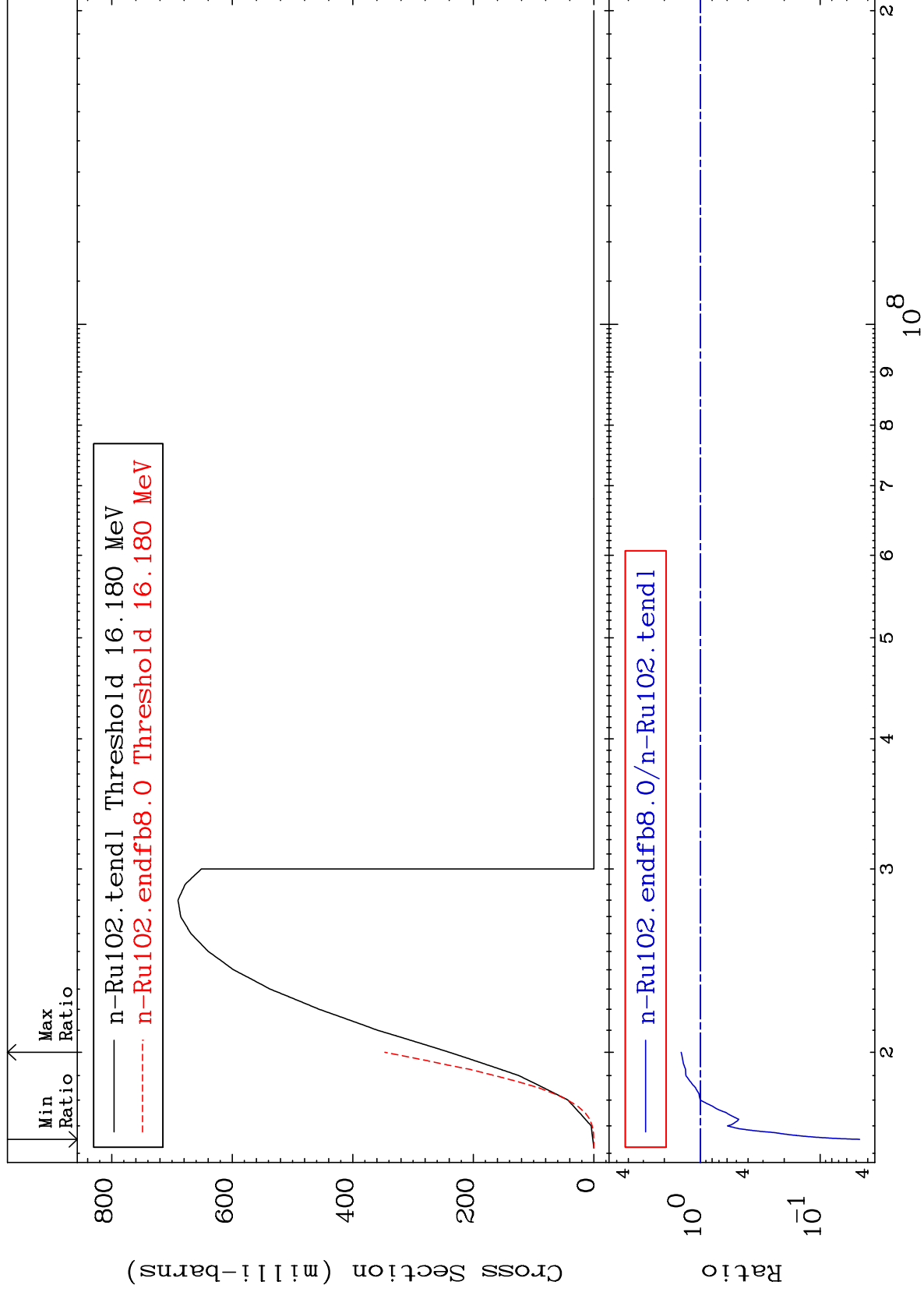
MAT 4443

(n,3n)

44-Ru-102

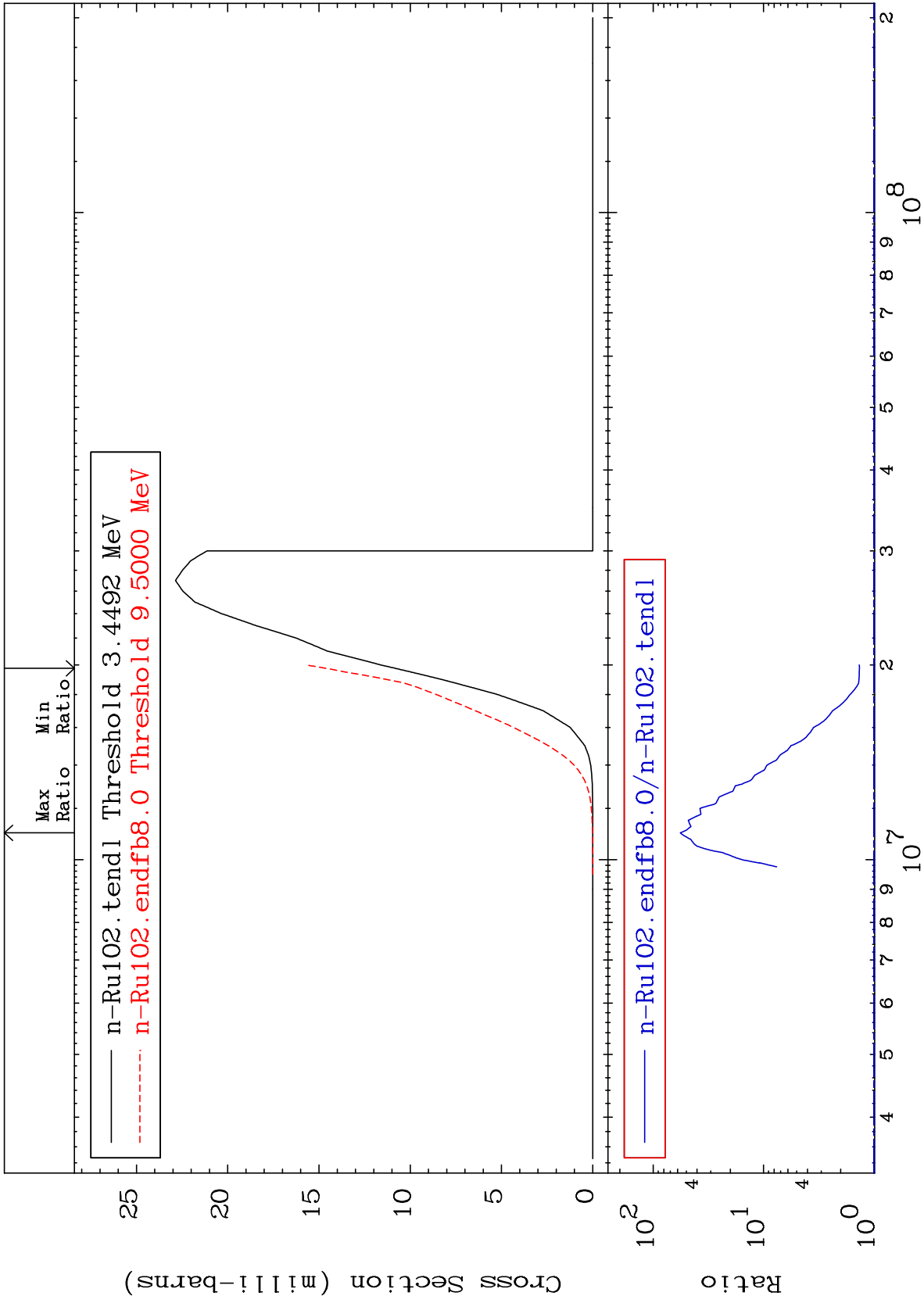
Cross Section

-95.32 To 44.83 %



MAT 4443

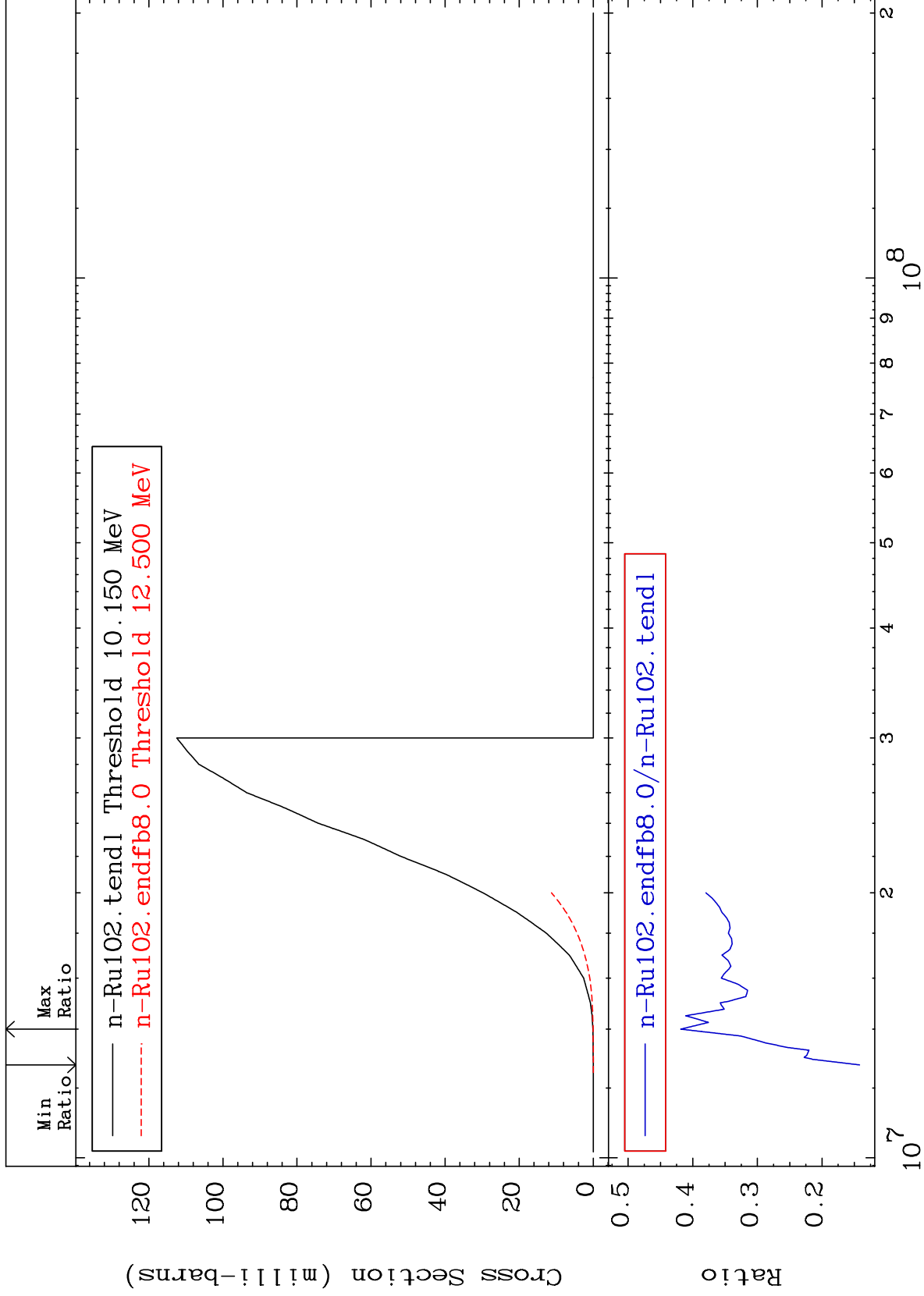
(n, n')  $\alpha$   
Cross Section  
44-Ru-102  
35.09 To 5566. %



MAT 4443

(n,n') p  
Cross Section

44-Ru-102  
-85.80 To -58.14%



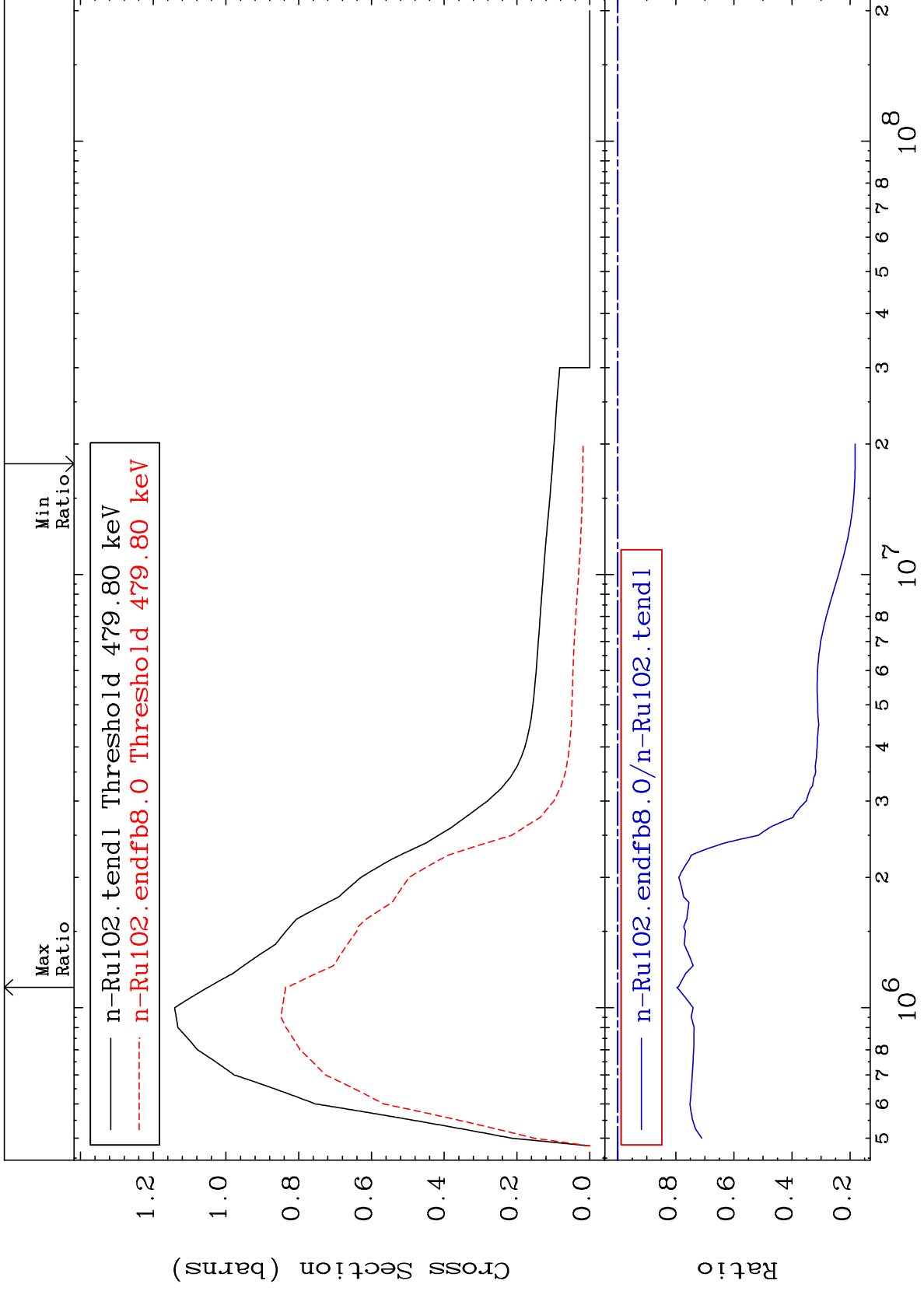
44-Ru-102

7

MAT 4443

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

44-Ru-102  
-81.75 To -20.38%

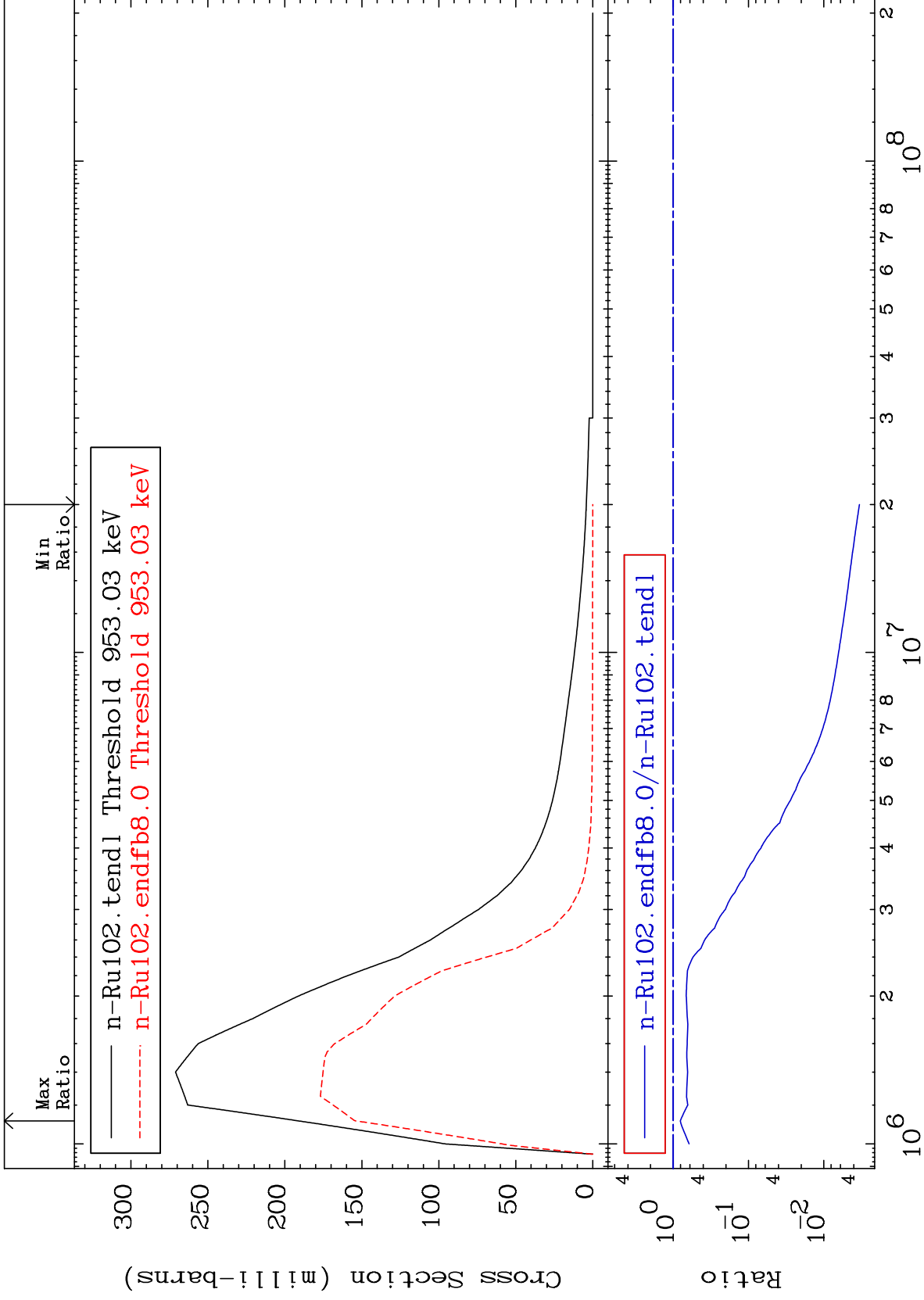




MAT 4443

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

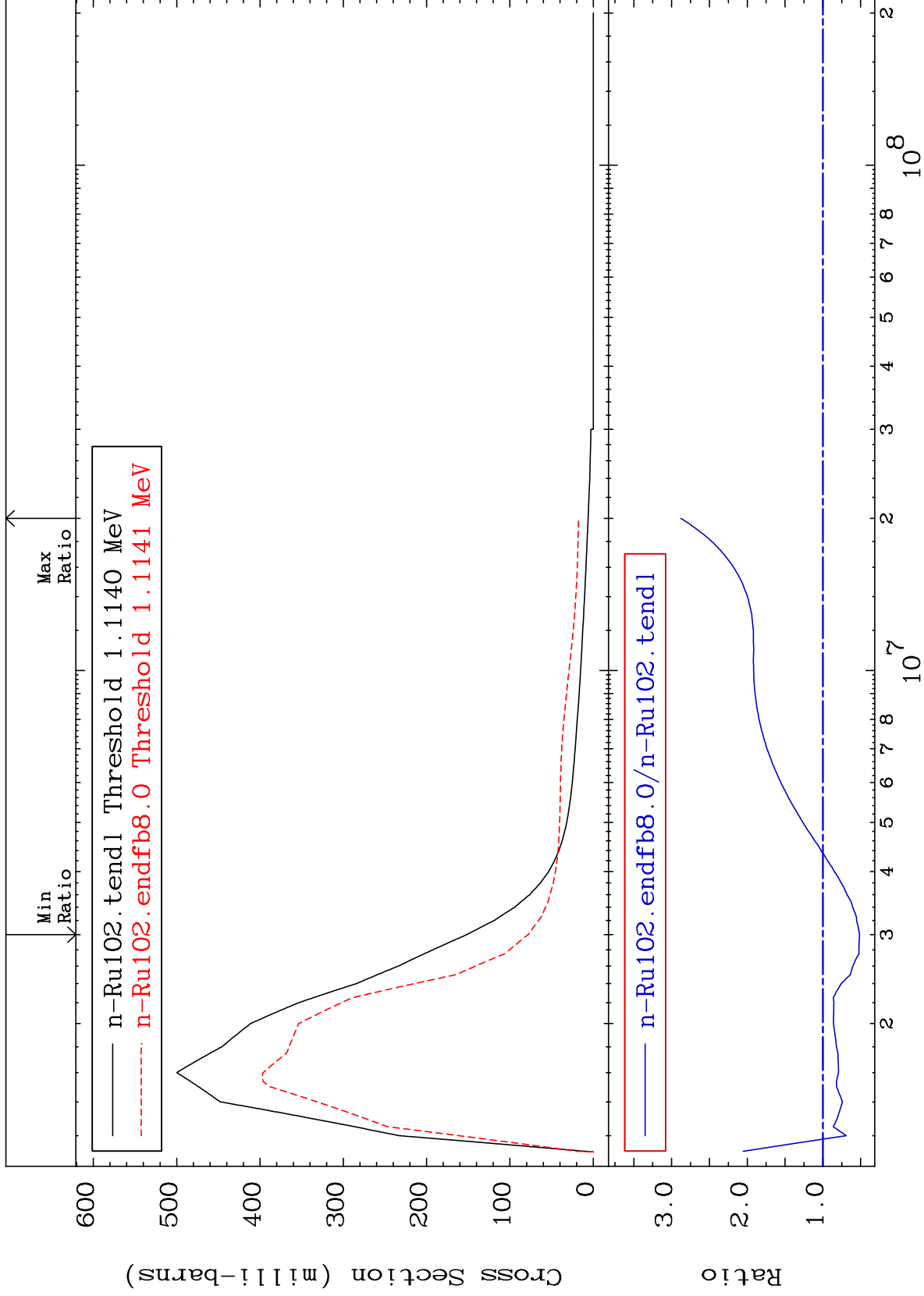
44-Ru-102  
-99.66 To -19.52%



MAT 4443

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

44-Ru-102  
-48.51 To 187.9 %



10

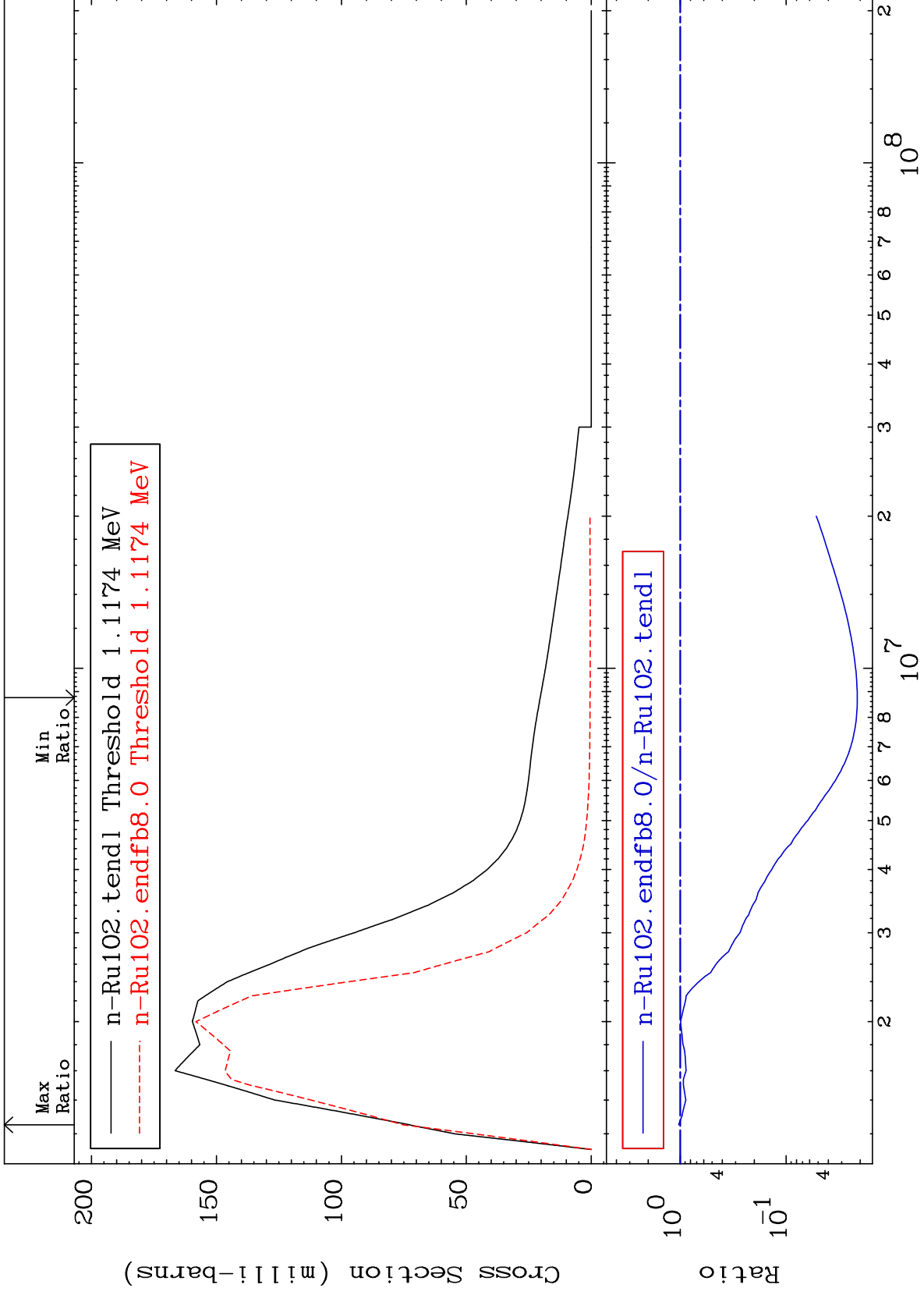
Incident Energy (eV)

44-Ru-102

MAT 4443

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

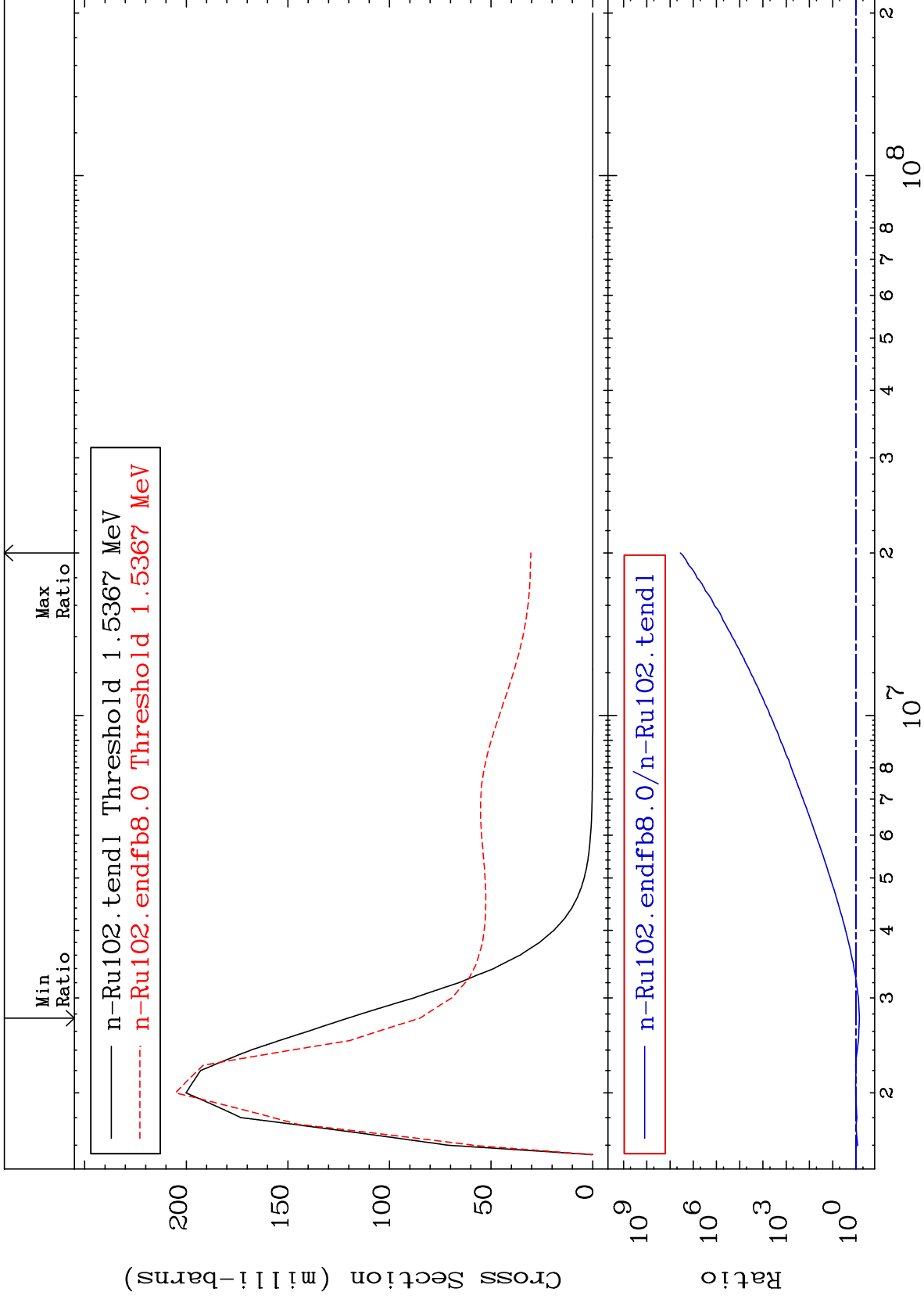
44-Ru-102  
-97.86 To 3.441 %



MAT 4443

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

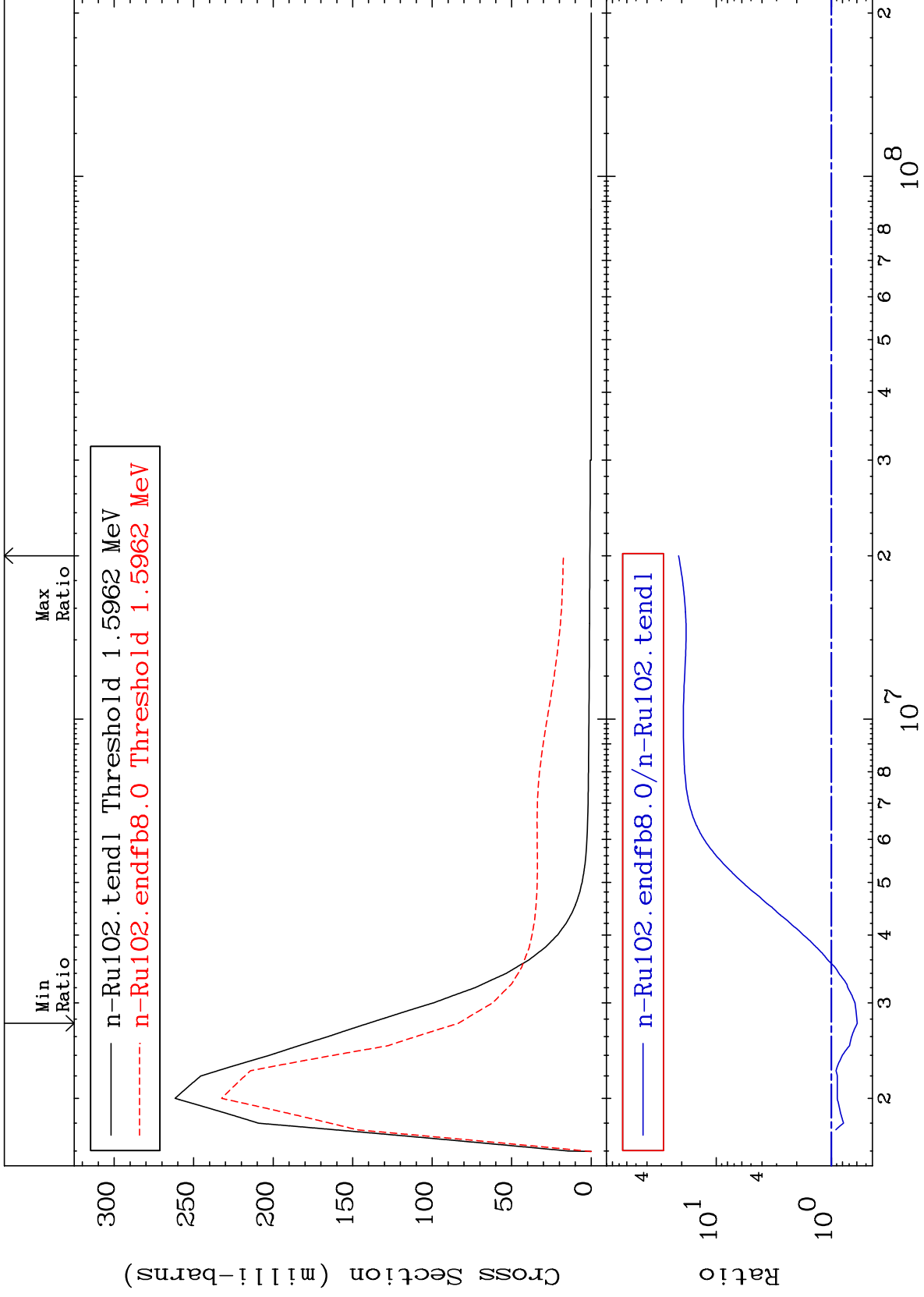
44-Ru-102  
-29.52 To 9999. %



MAT 4443

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

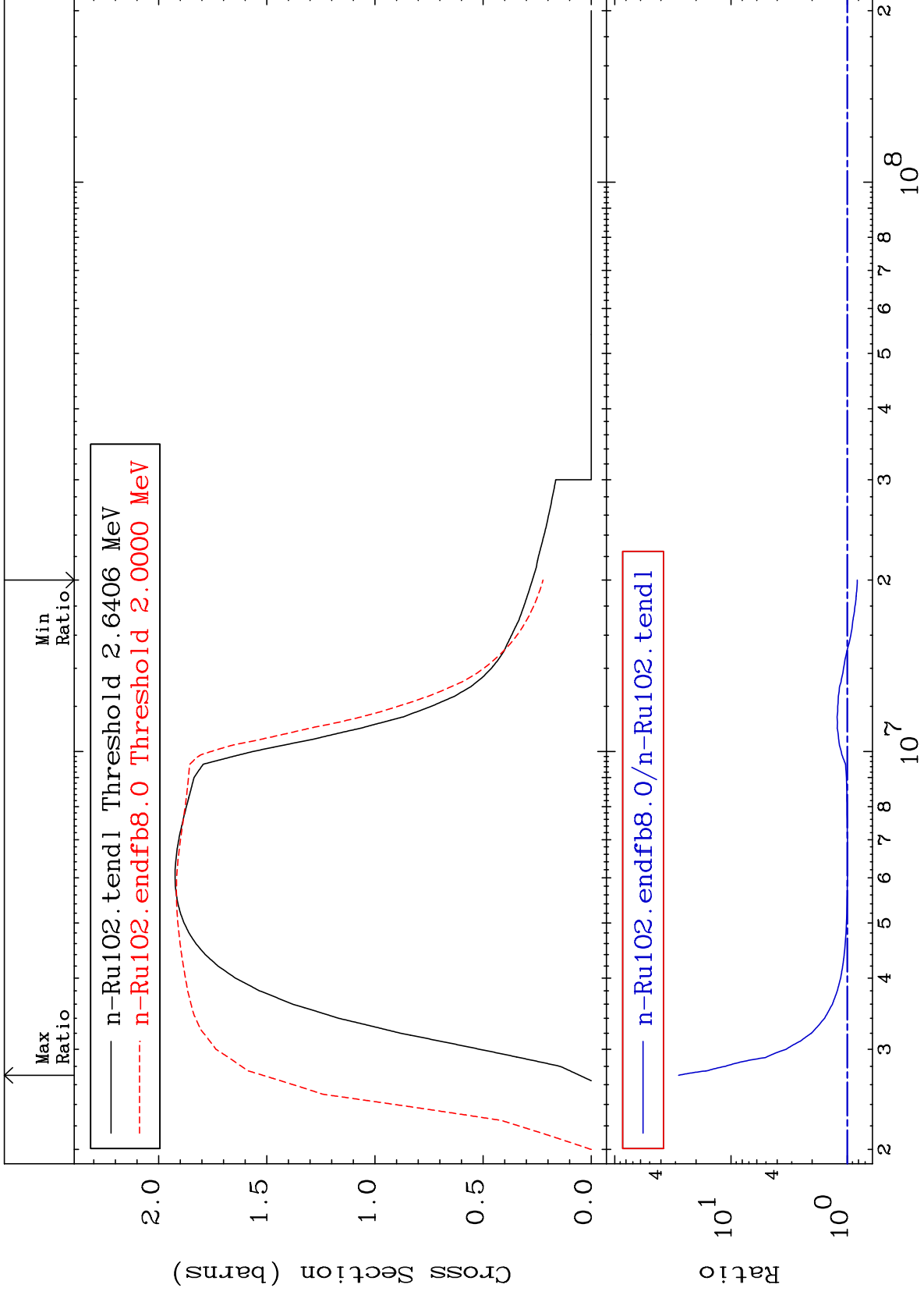
44-Ru-102  
-40.45 To 2026. %



MAT 4443

(n, n') Continuum  
Cross Section

44-Ru-102  
-18.06 To 2721. %



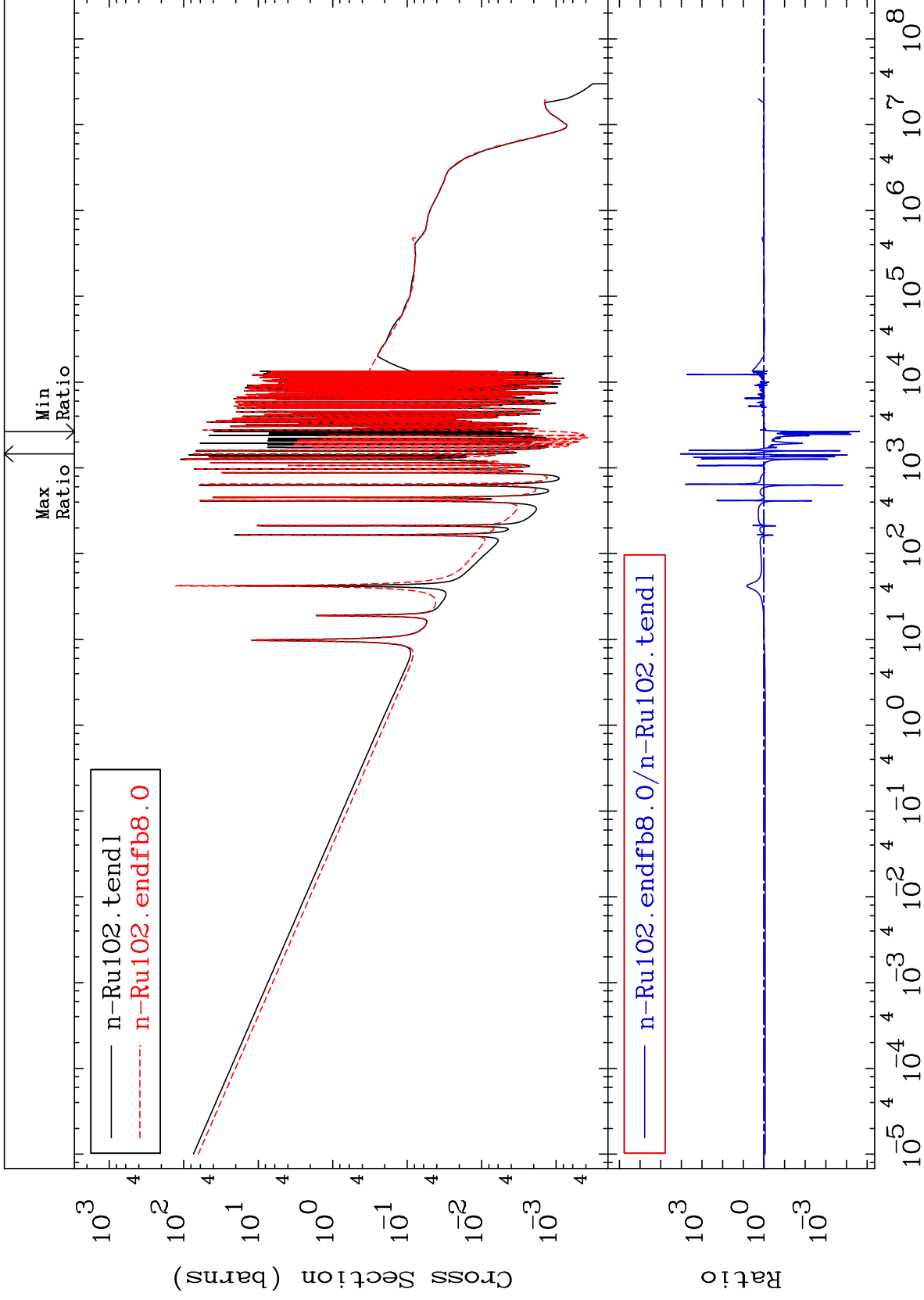
MAT 4443

(n,  $\gamma$ )

44-Ru-102

Cross Section

-100.0 To 9999. %



15

Incident Energy (eV)

44-Ru-102

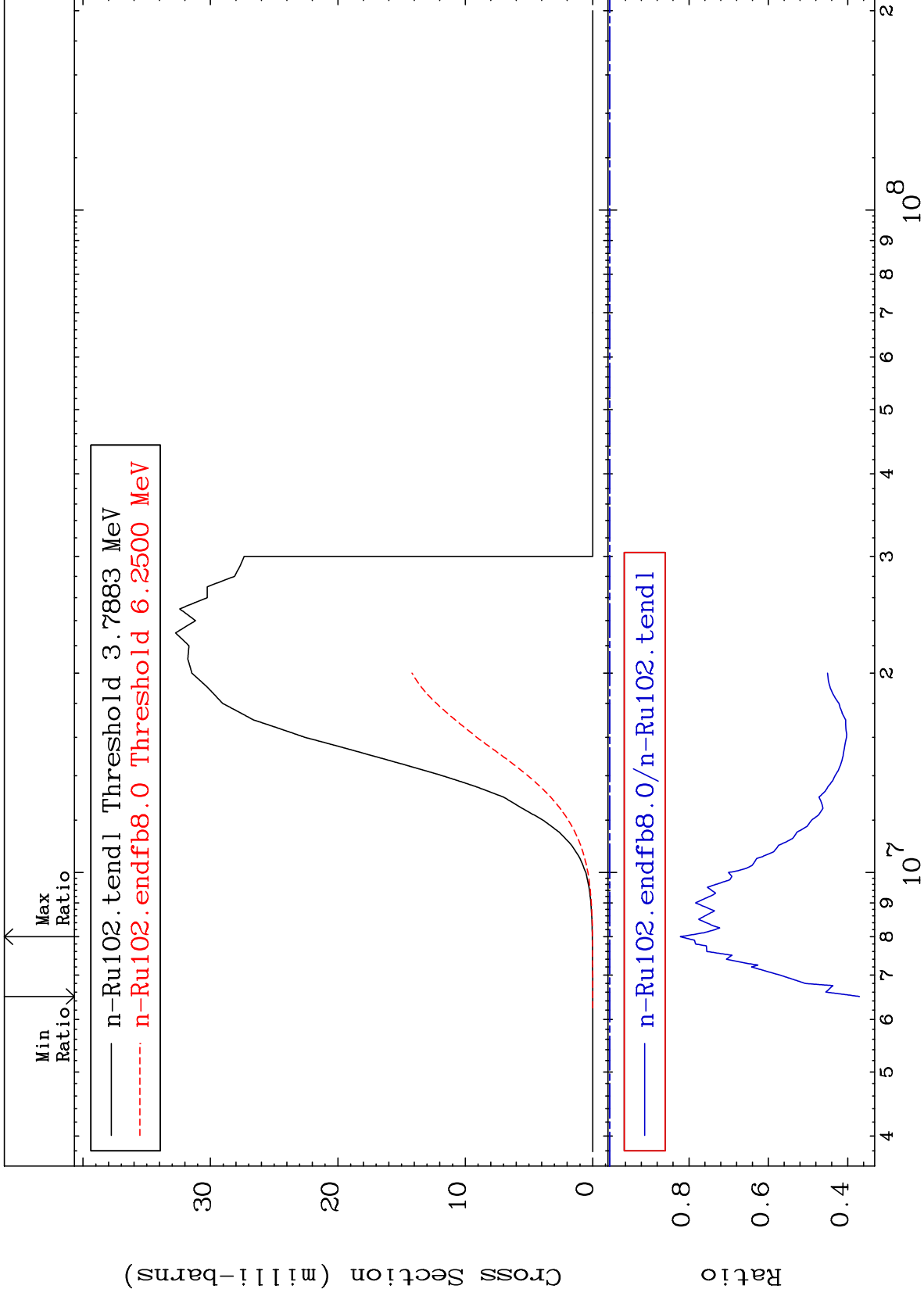
MAT 4443

(n, p)

44-Ru-102

Cross Section

-62.97 To -17.83%



16

Incident Energy (eV)

44-Ru-102



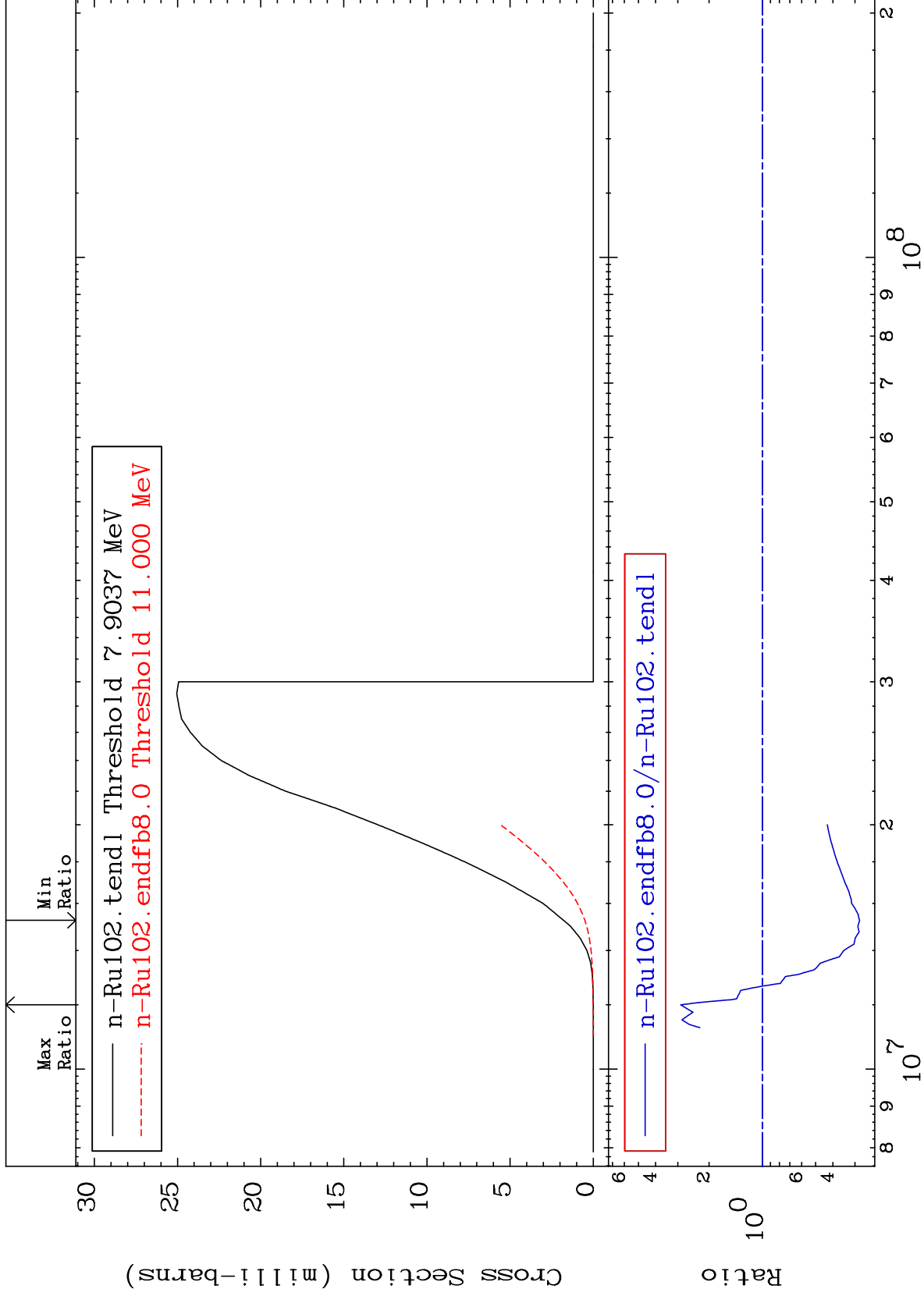
MAT 4443

(n, d)

44-Ru-102

Cross Section

-71.72 To 188.5 %



17

44-Ru-102

44-Ru-102

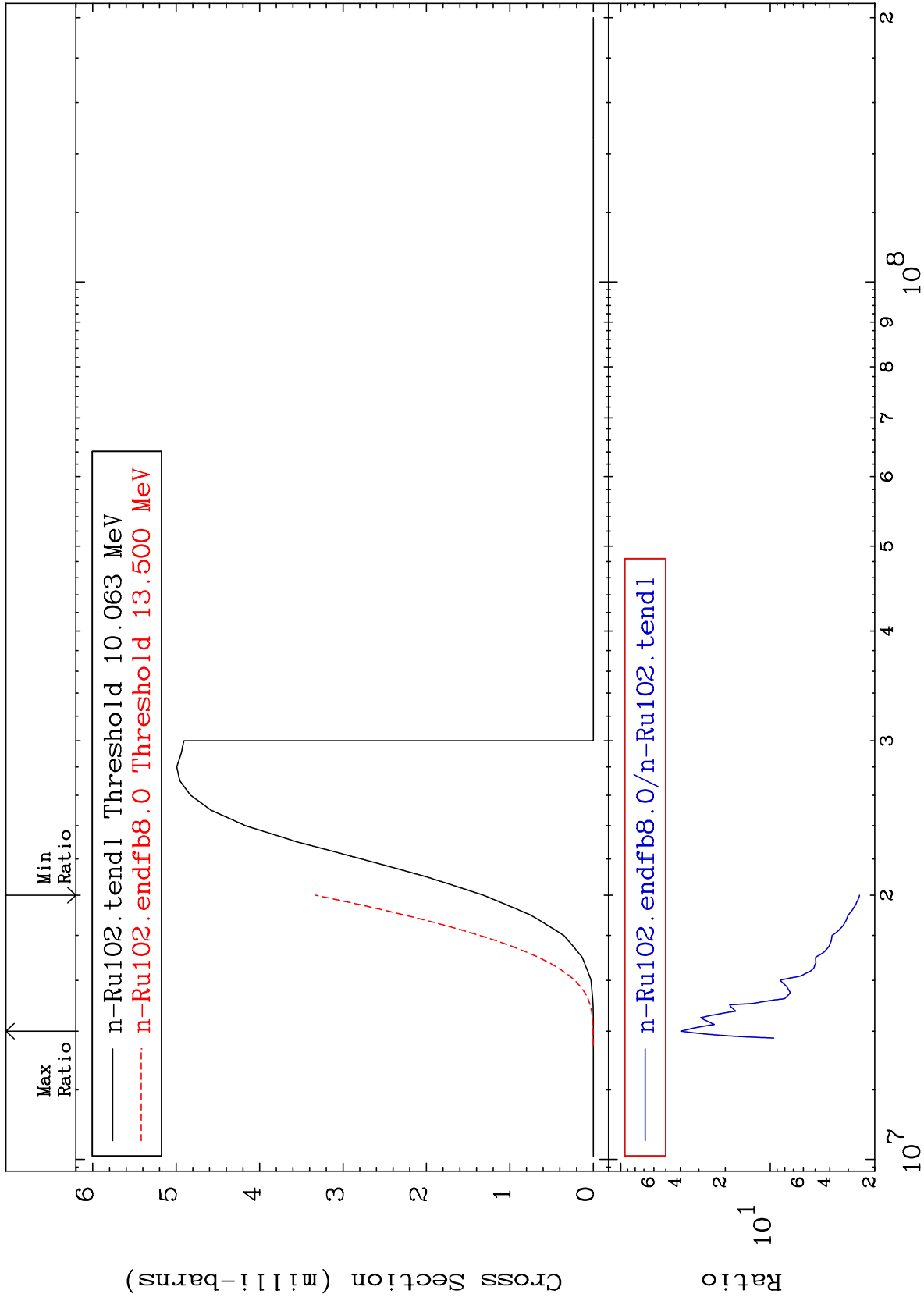
MAT 4443

(n, t)

44-Ru-102

Cross Section

152.7 To 3866. %



44-Ru-102

18

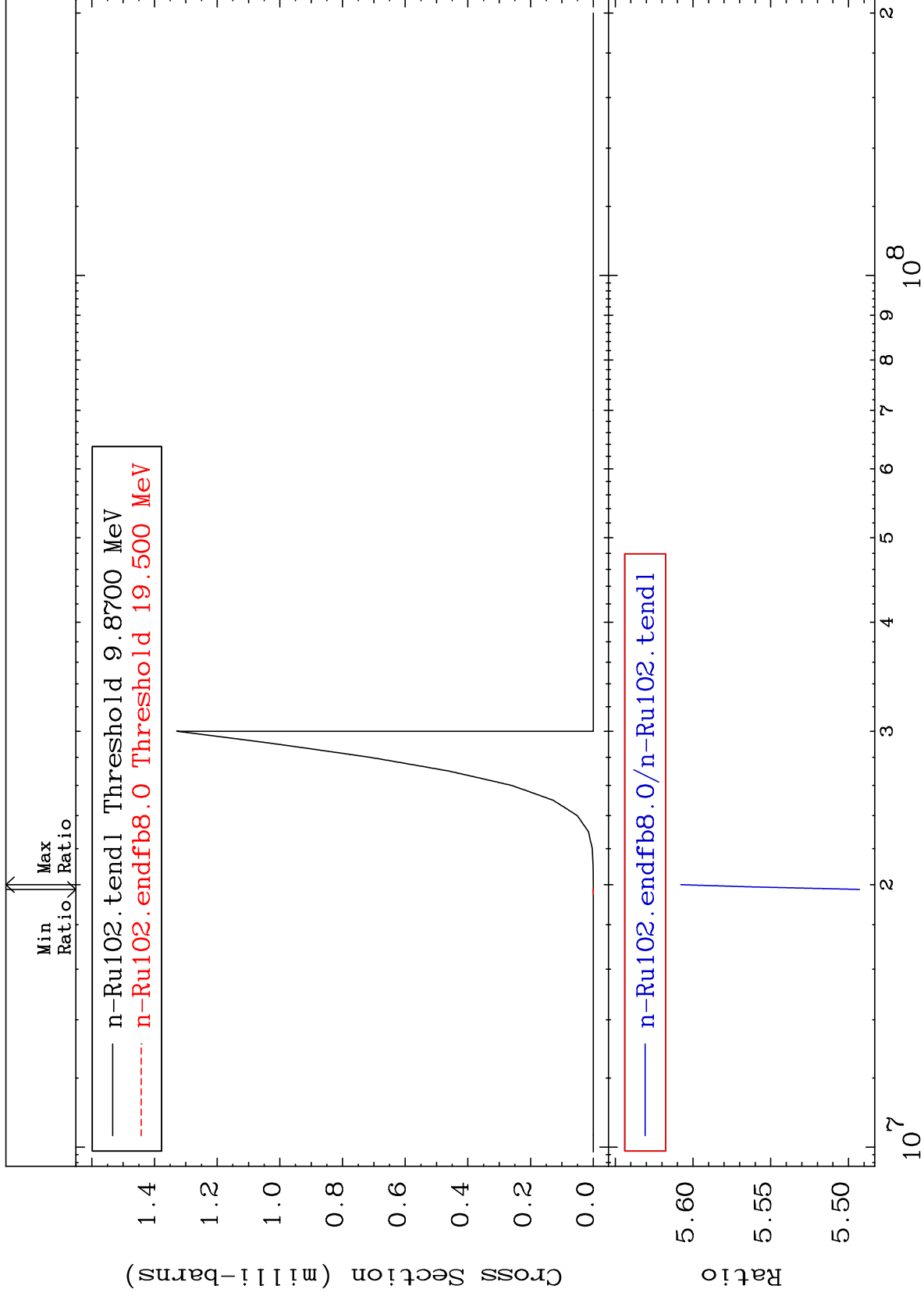
MAT 4443

(n, He-3)

44-Ru-102

Cross Section

449.3 To 460.8 %



19

Incident Energy (eV)

44-Ru-102

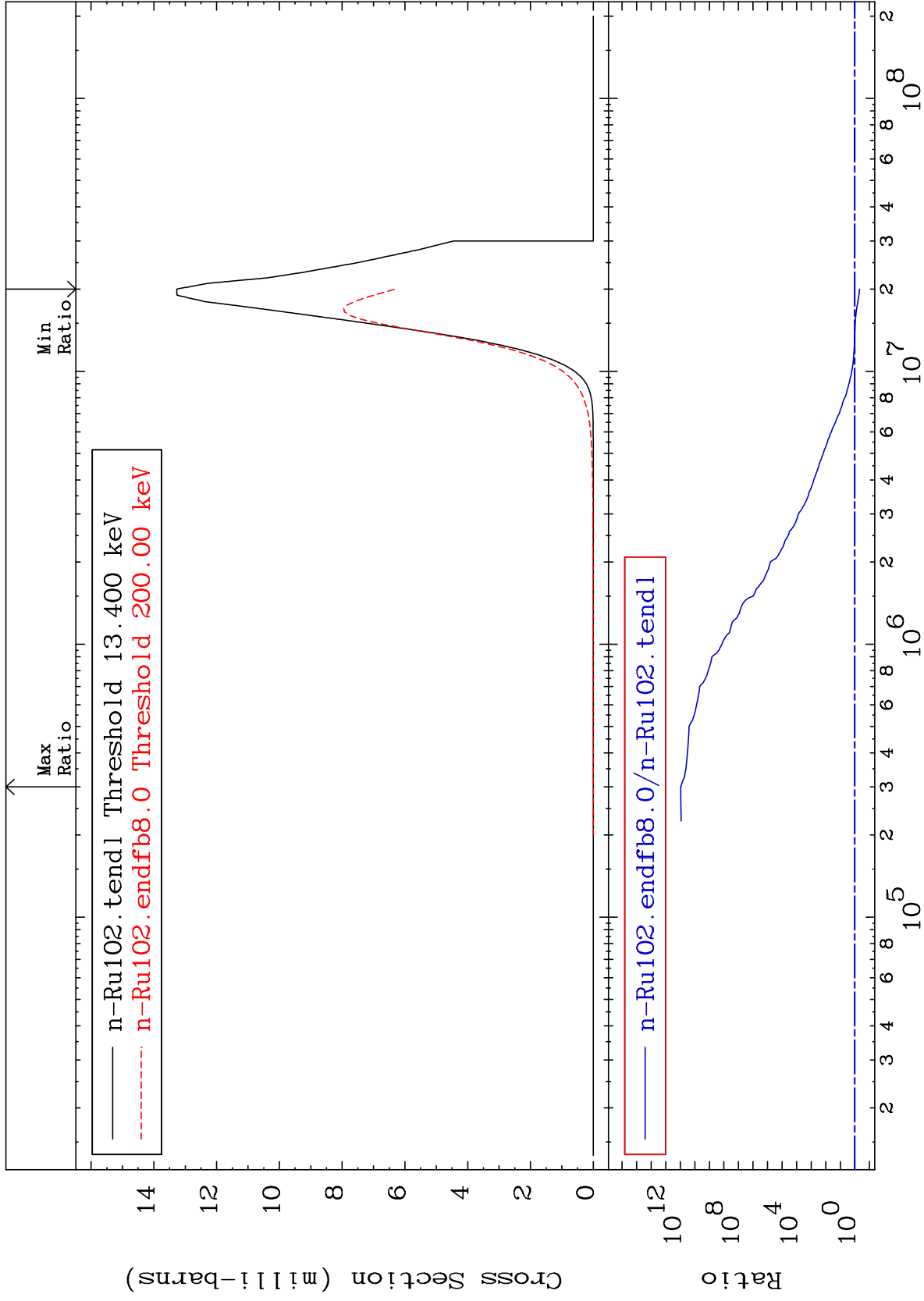
MAT 4443

(n,  $\alpha$ )

44-Ru-102

Cross Section

-52.53 To 9999. %



20

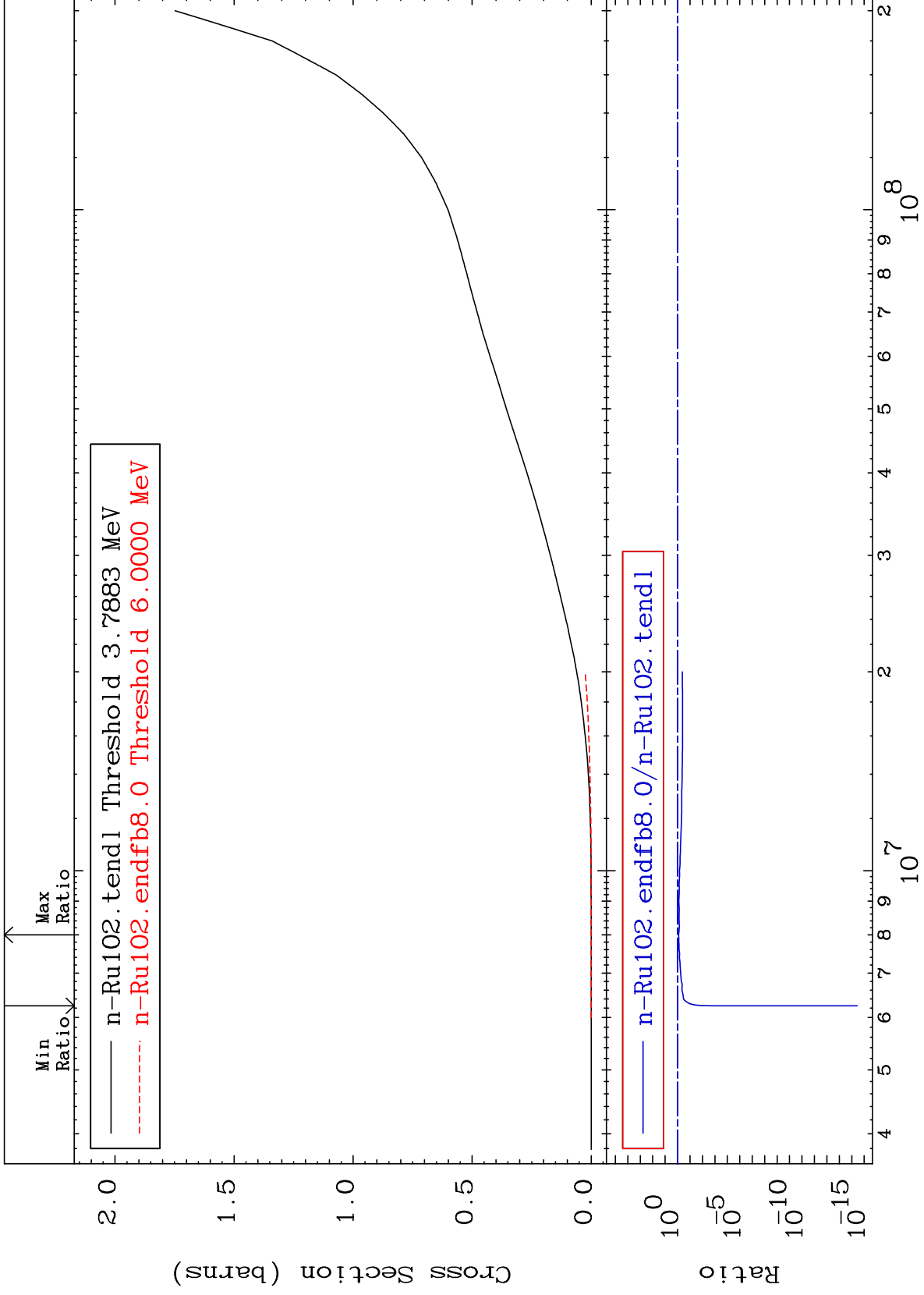
Incident Energy (eV)

44-Ru-102

MAT 4443

Hydrogen Production  
Cross Section

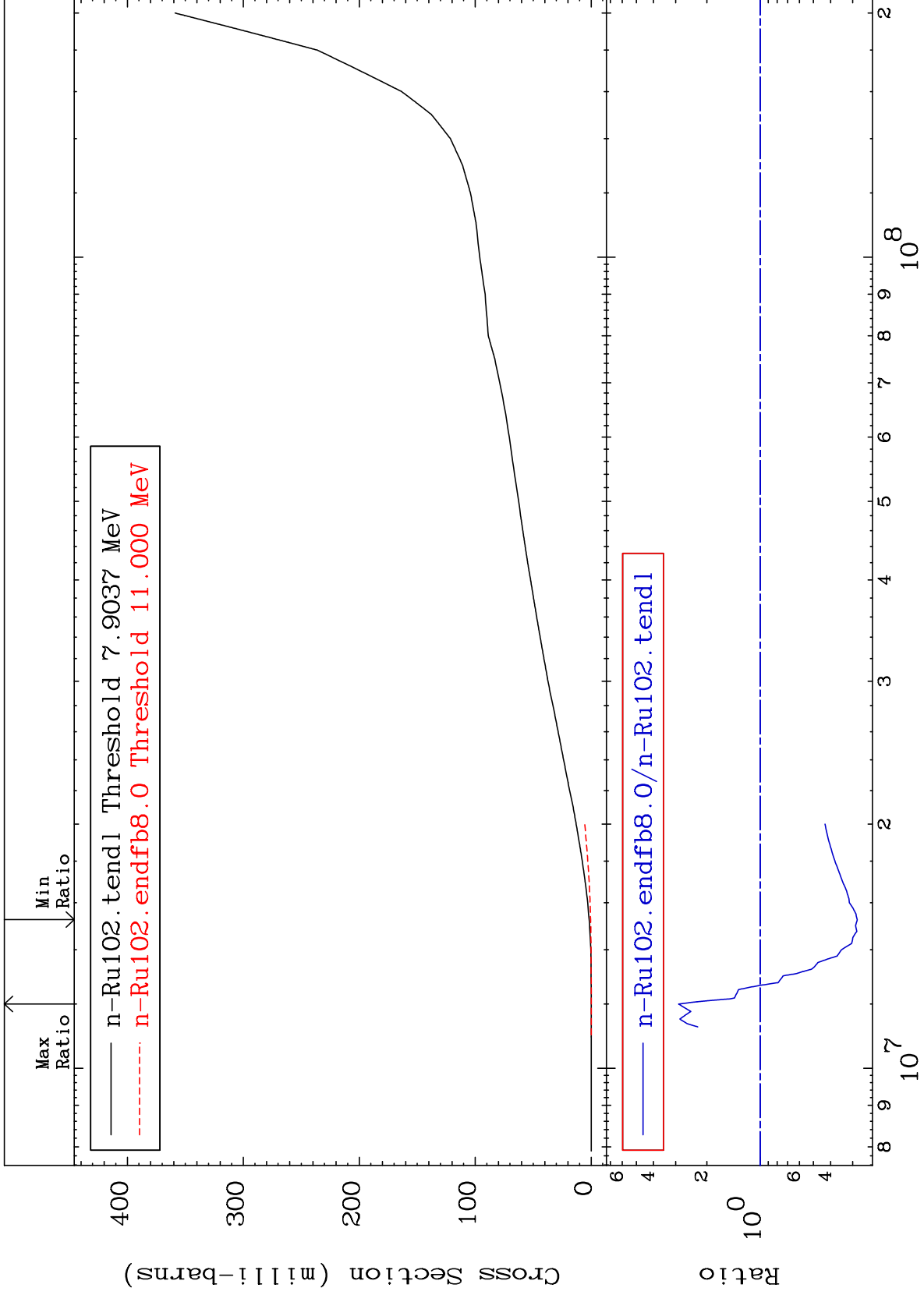
44-Ru-102  
-100.0 To -17.83%



MAT 4443

Deuterium Production  
Cross Section

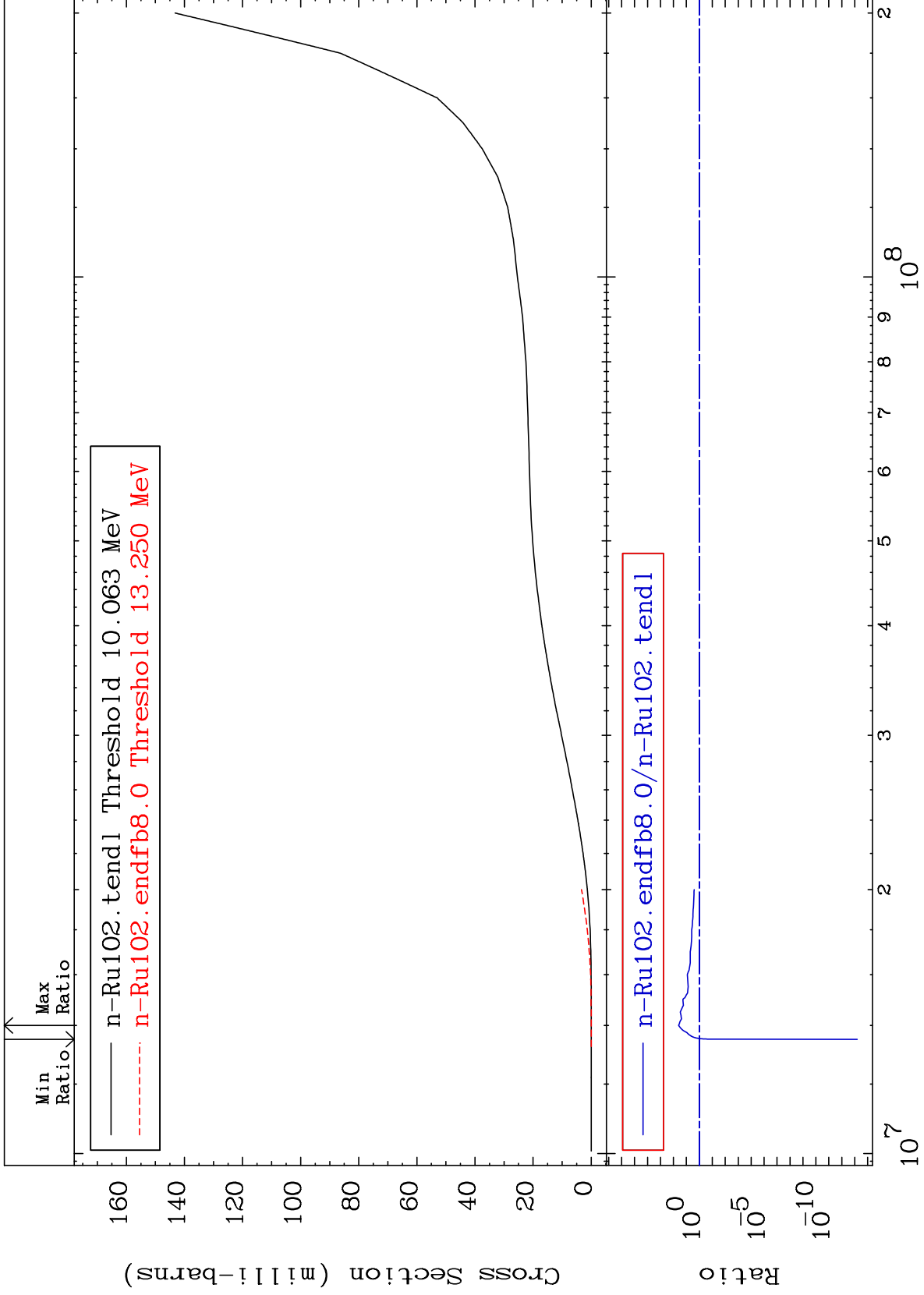
44-Ru-102  
-71.72 To 188.5 %



MAT 4443

Tritium Production  
Cross Section

44-Ru-102  
-100.0 To 3866. %



23

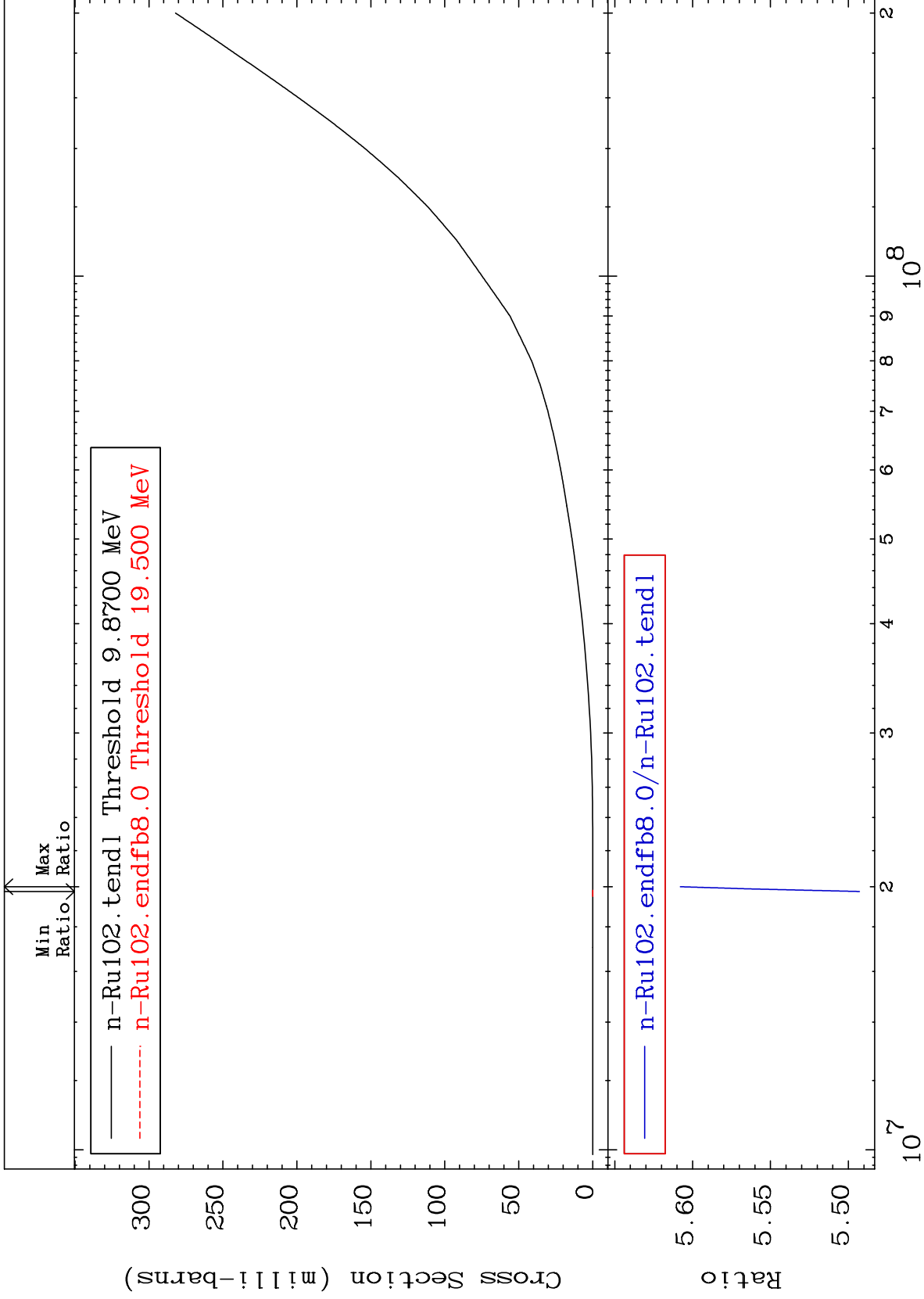
Incident Energy (eV)

44-Ru-102

MAT 4443

He-3 Production  
Cross Section

44-Ru-102  
449.3 To 460.8 %



24

Incident Energy (eV)

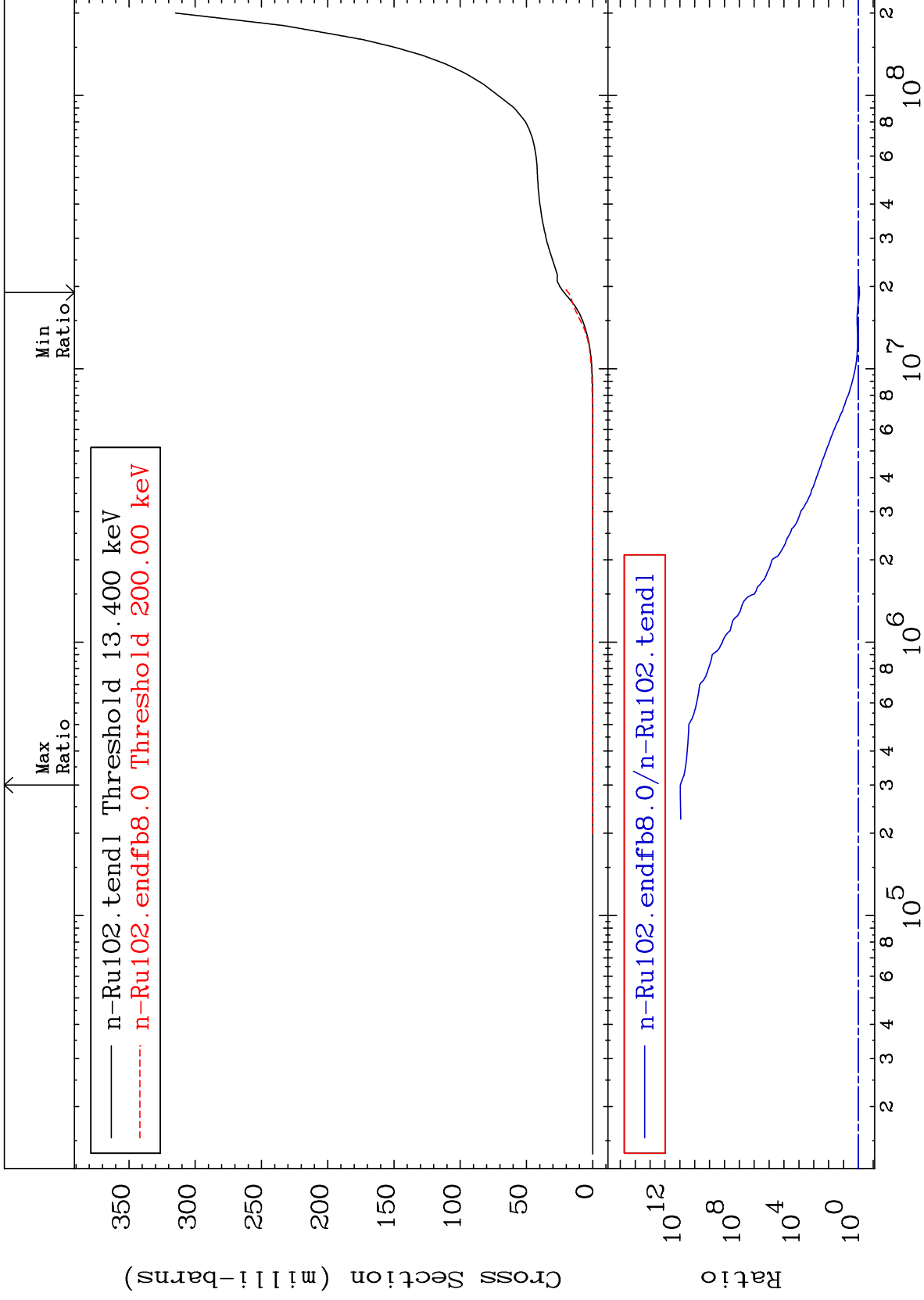
44-Ru-102

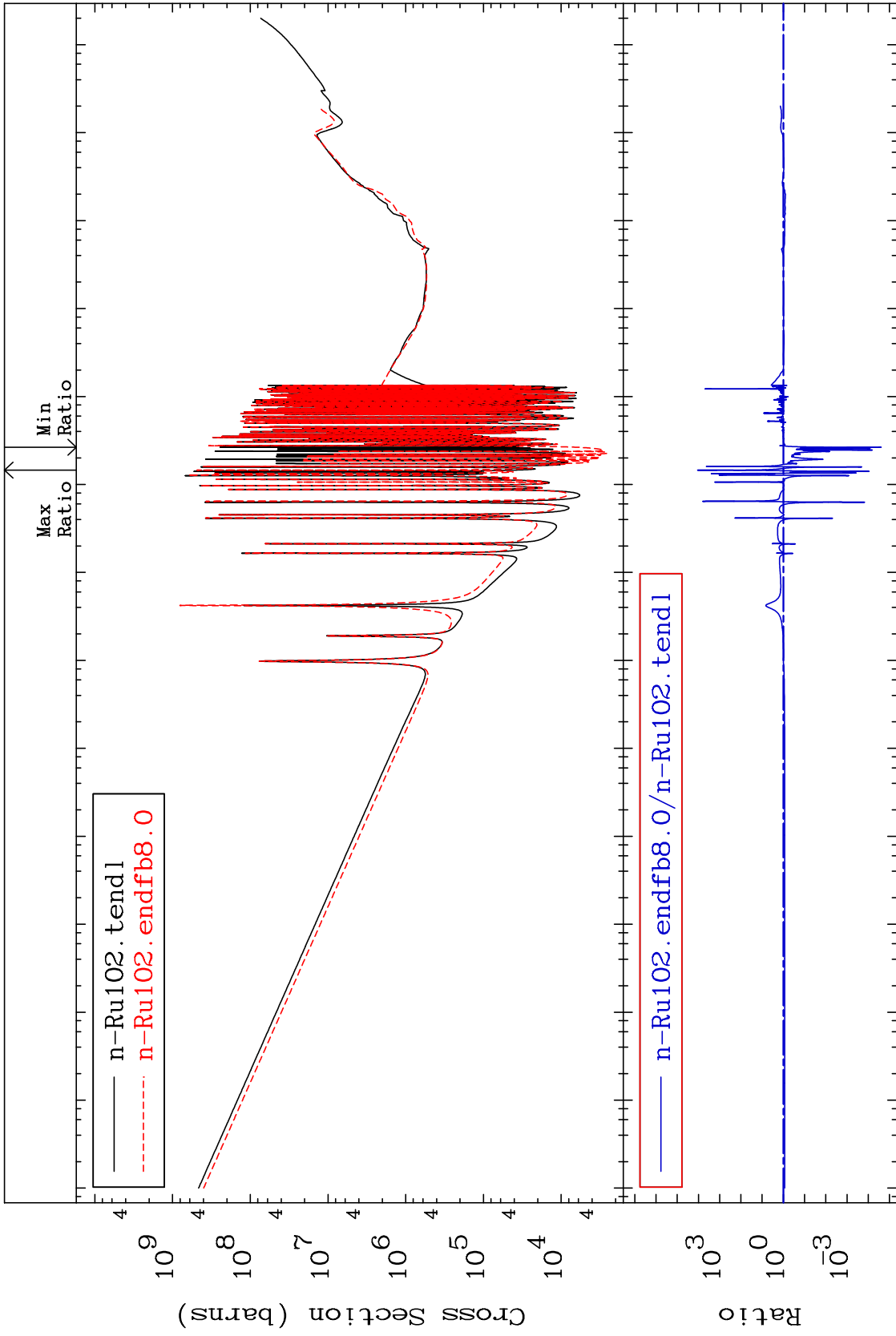


MAT 4443

He-4 Production  
Cross Section

44-Ru-102  
-15.07 To 9999. %

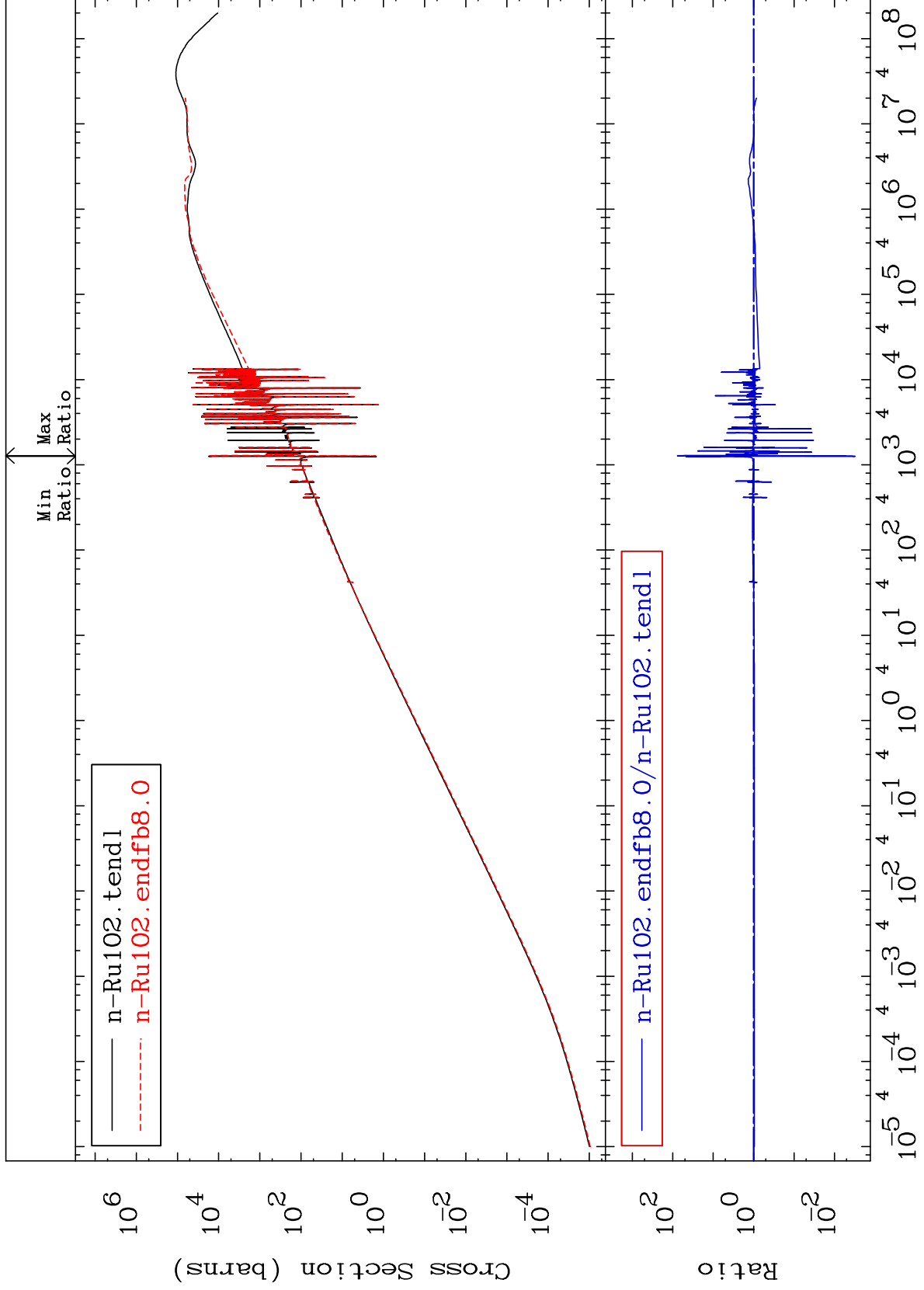


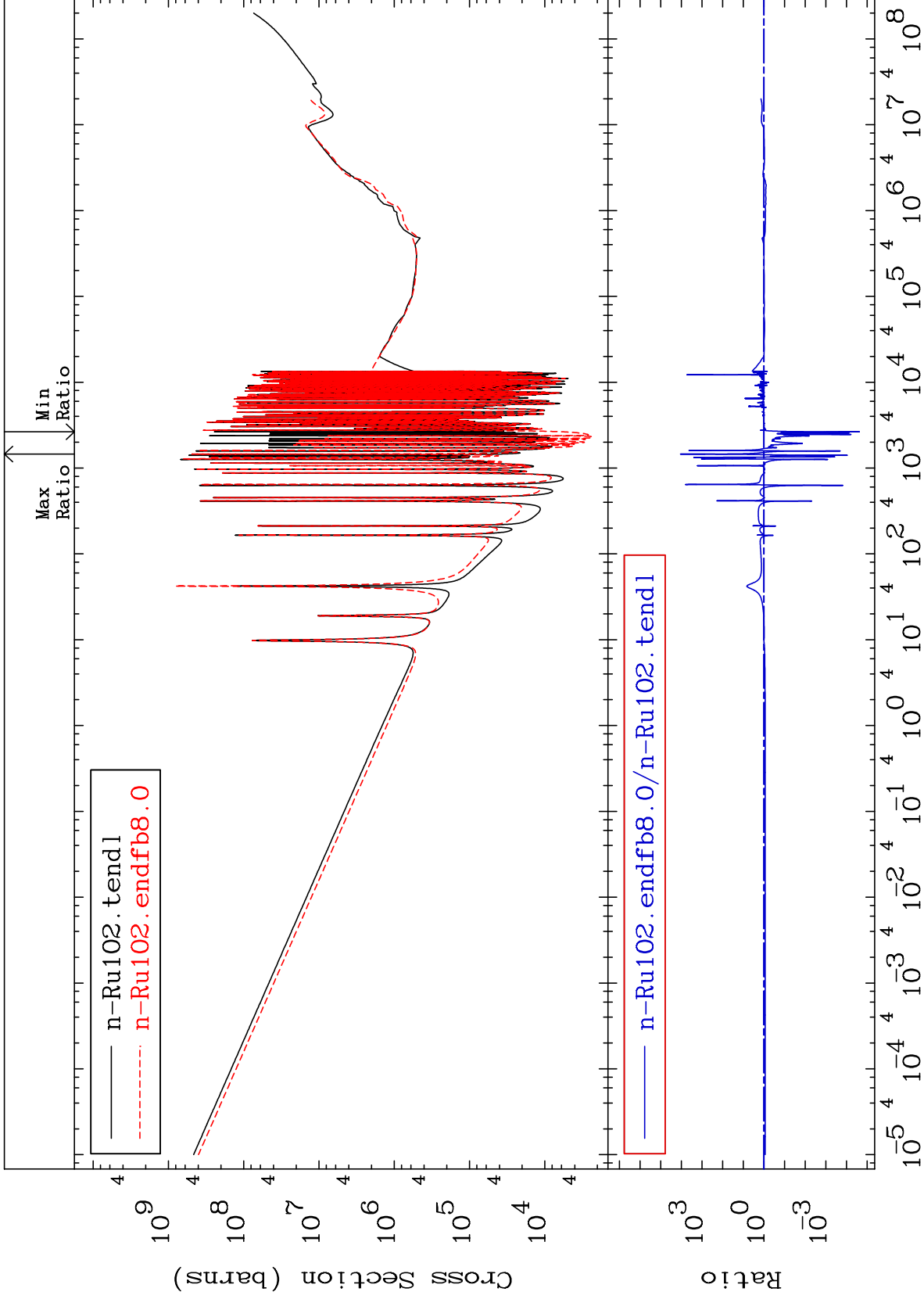


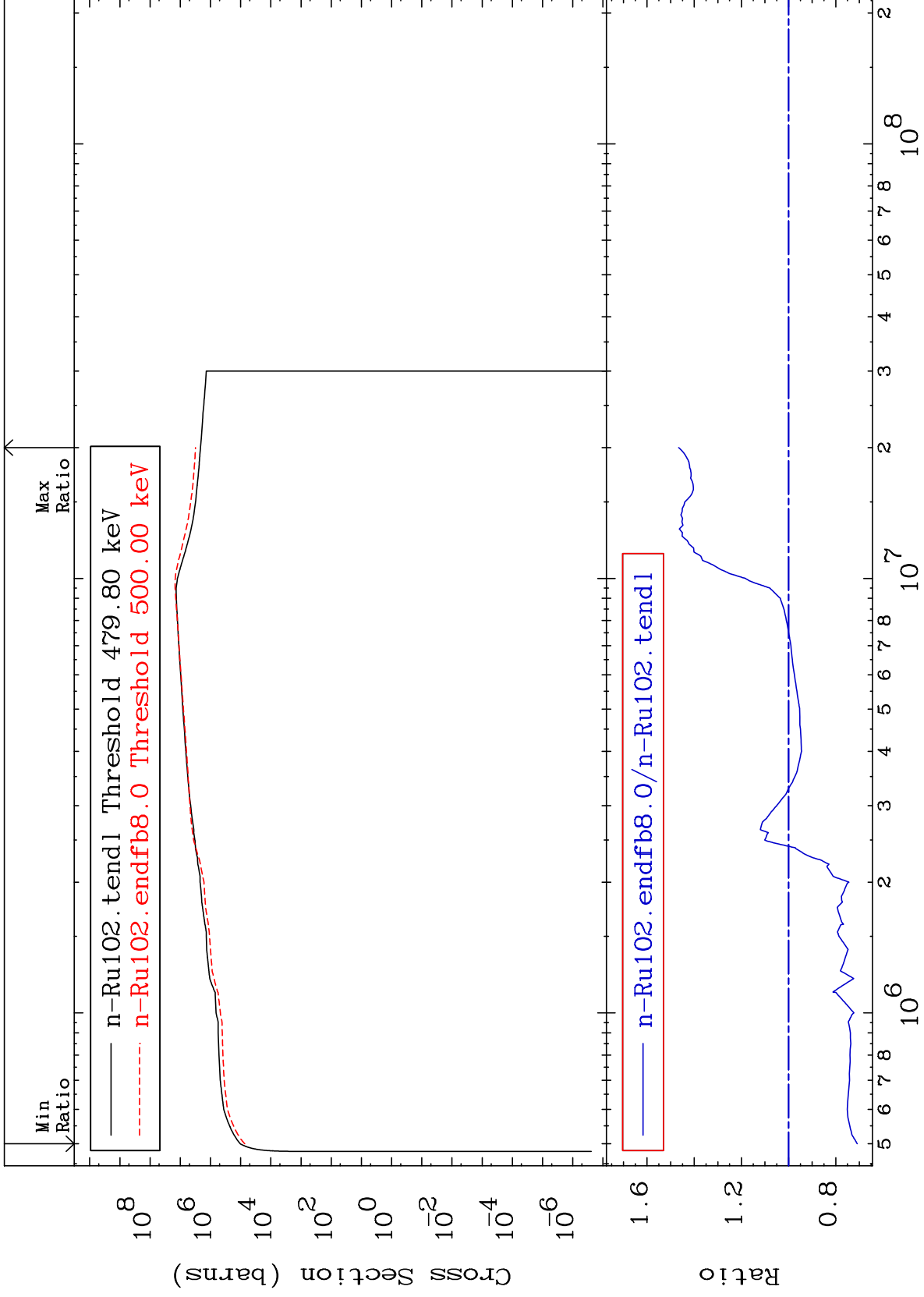
MAT 4443

Kerma elastic  
Cross Section

44-Ru-102  
-99.69 To 7636. %



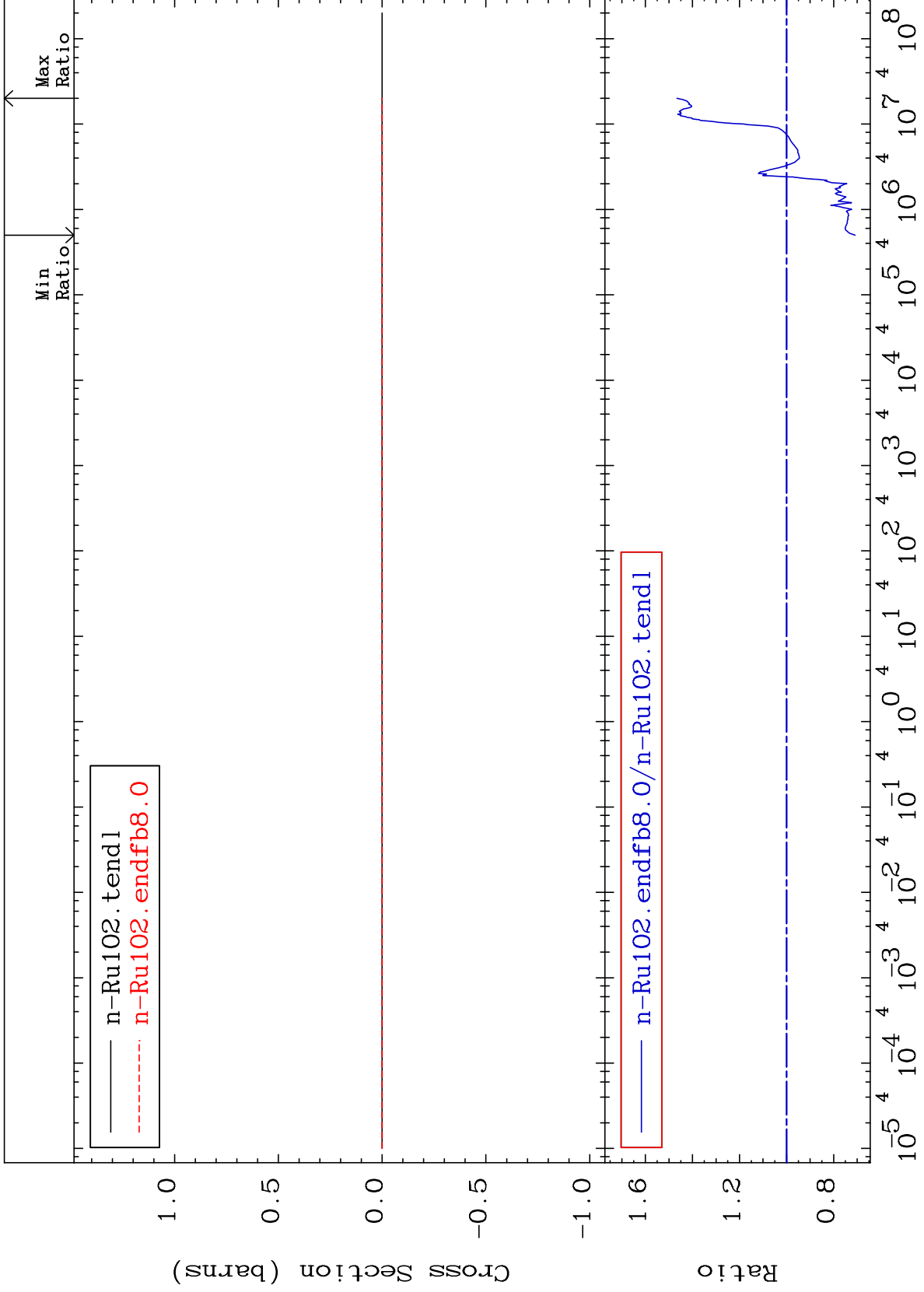


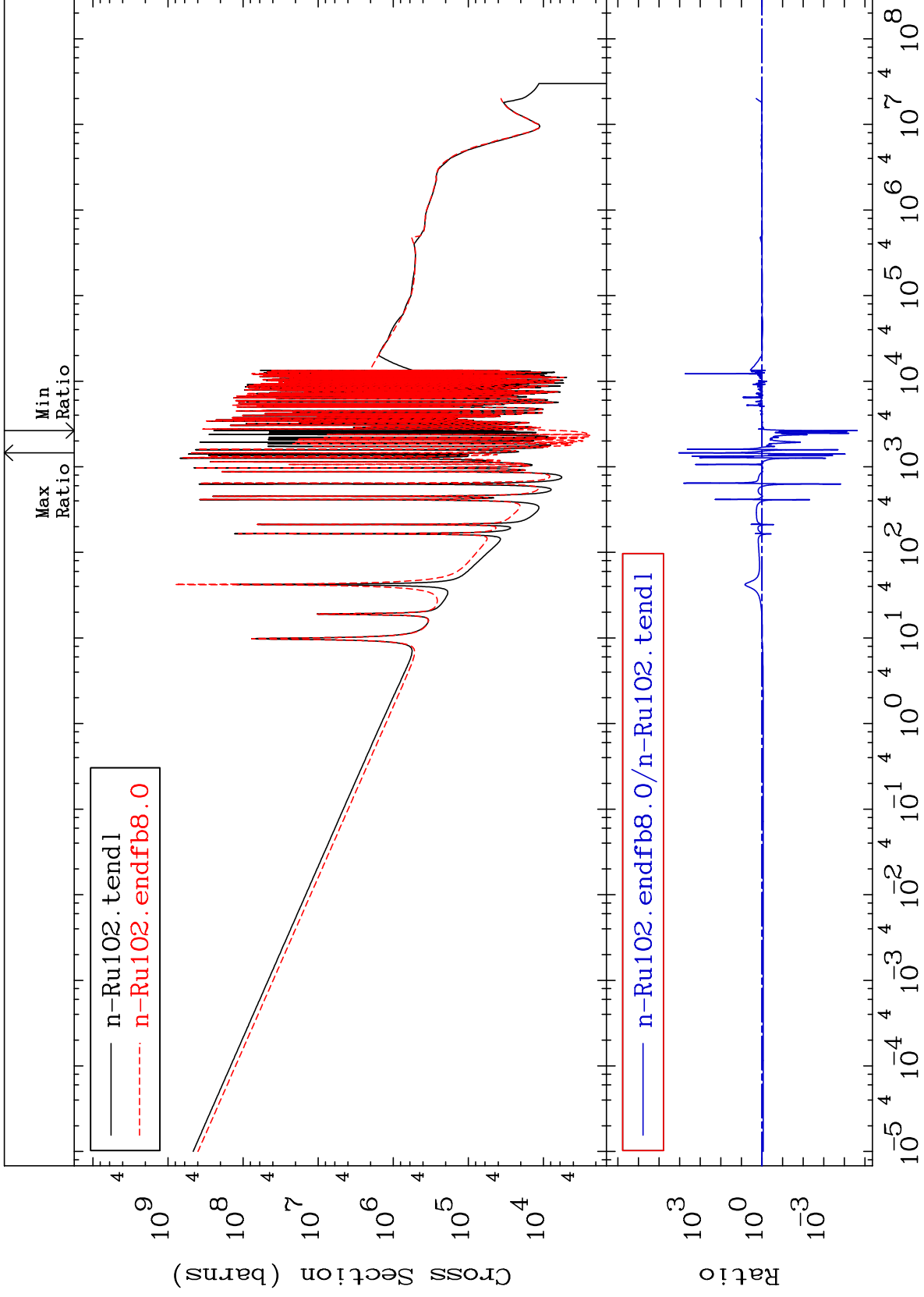


MAT 4443

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

44-Ru-102  
-29.11 To 46.62 %

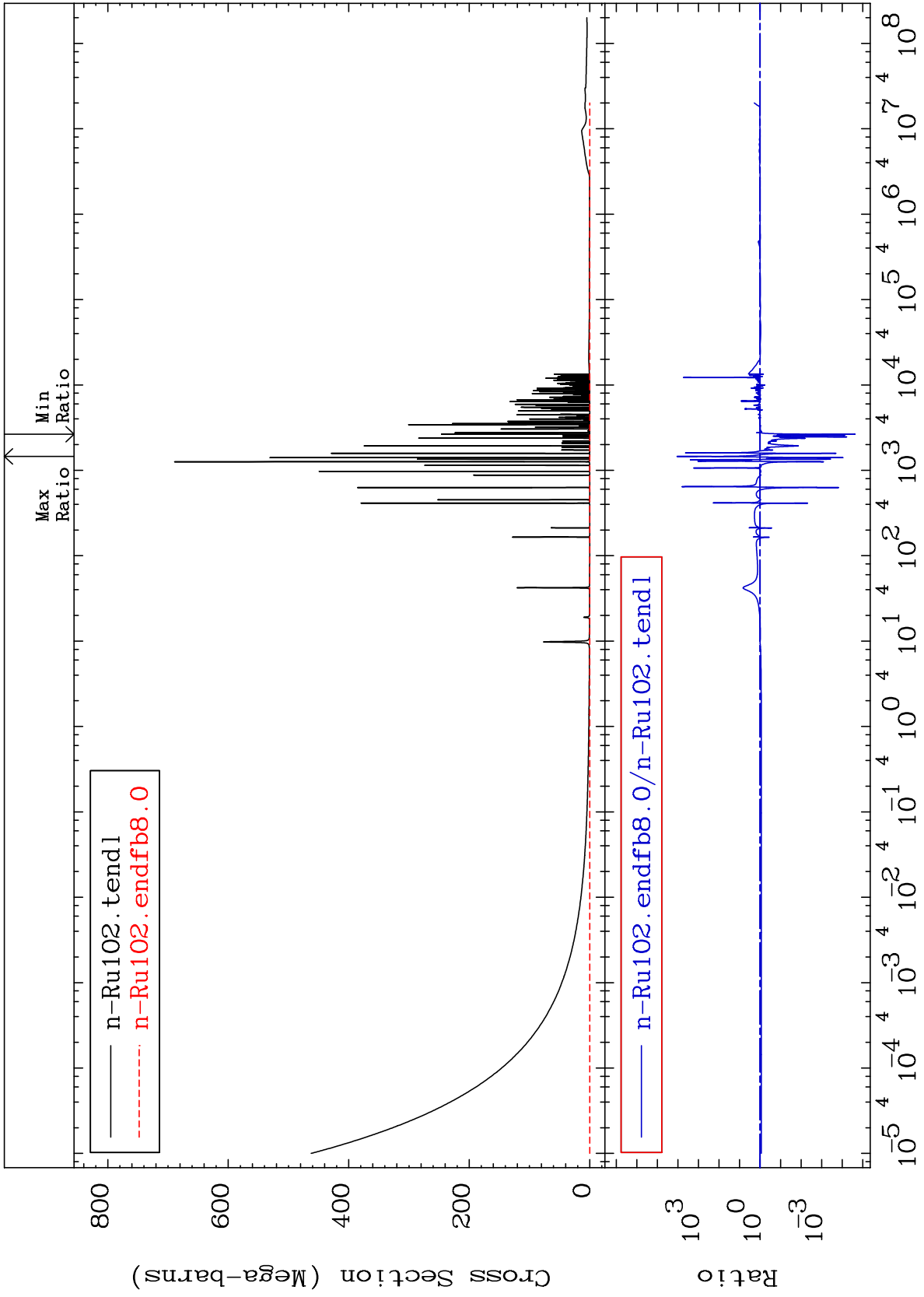




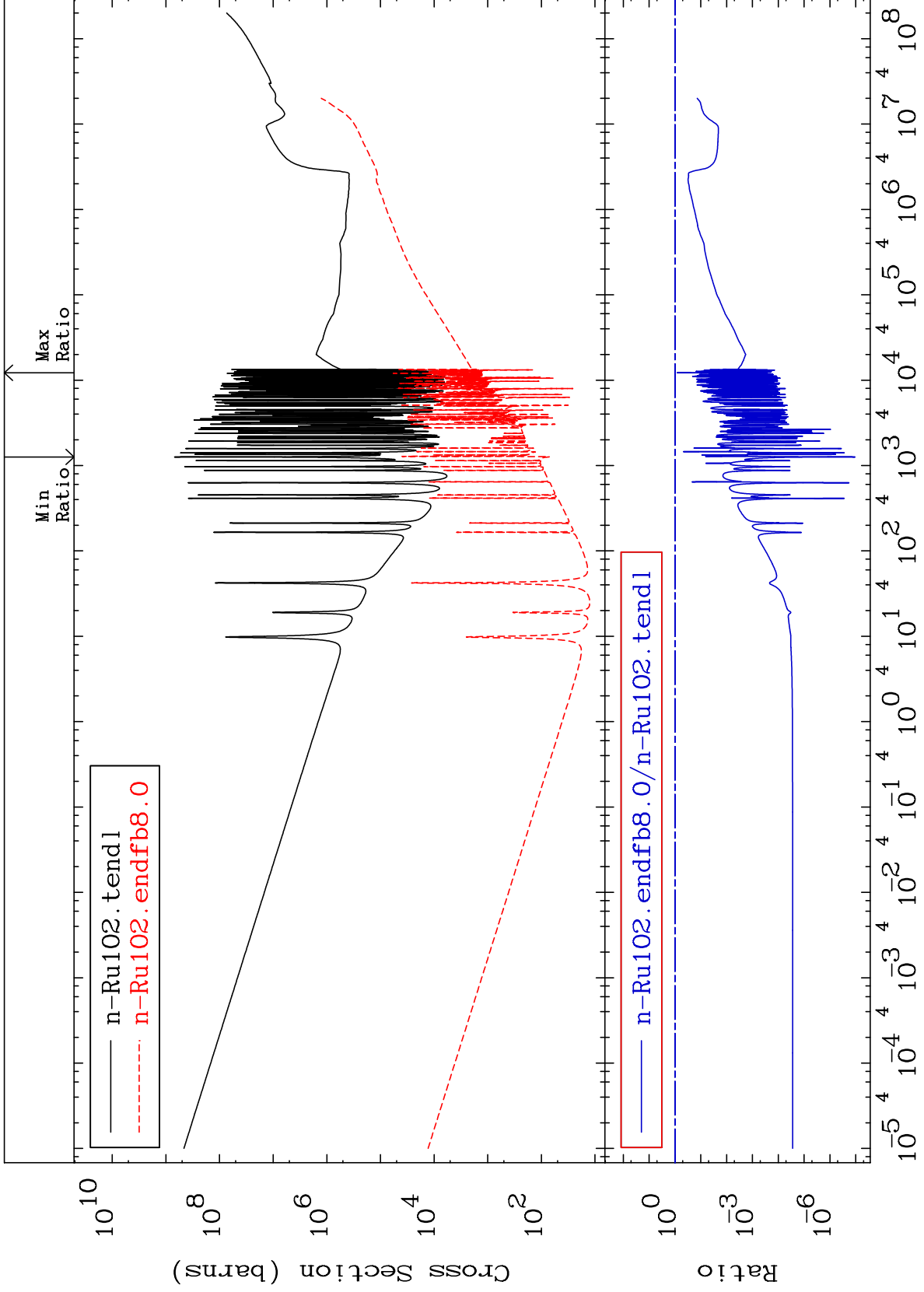
MAT 4443

Total photon (eV-barns)  
Cross Section

44-Ru-102  
-100.0 To 9999. %



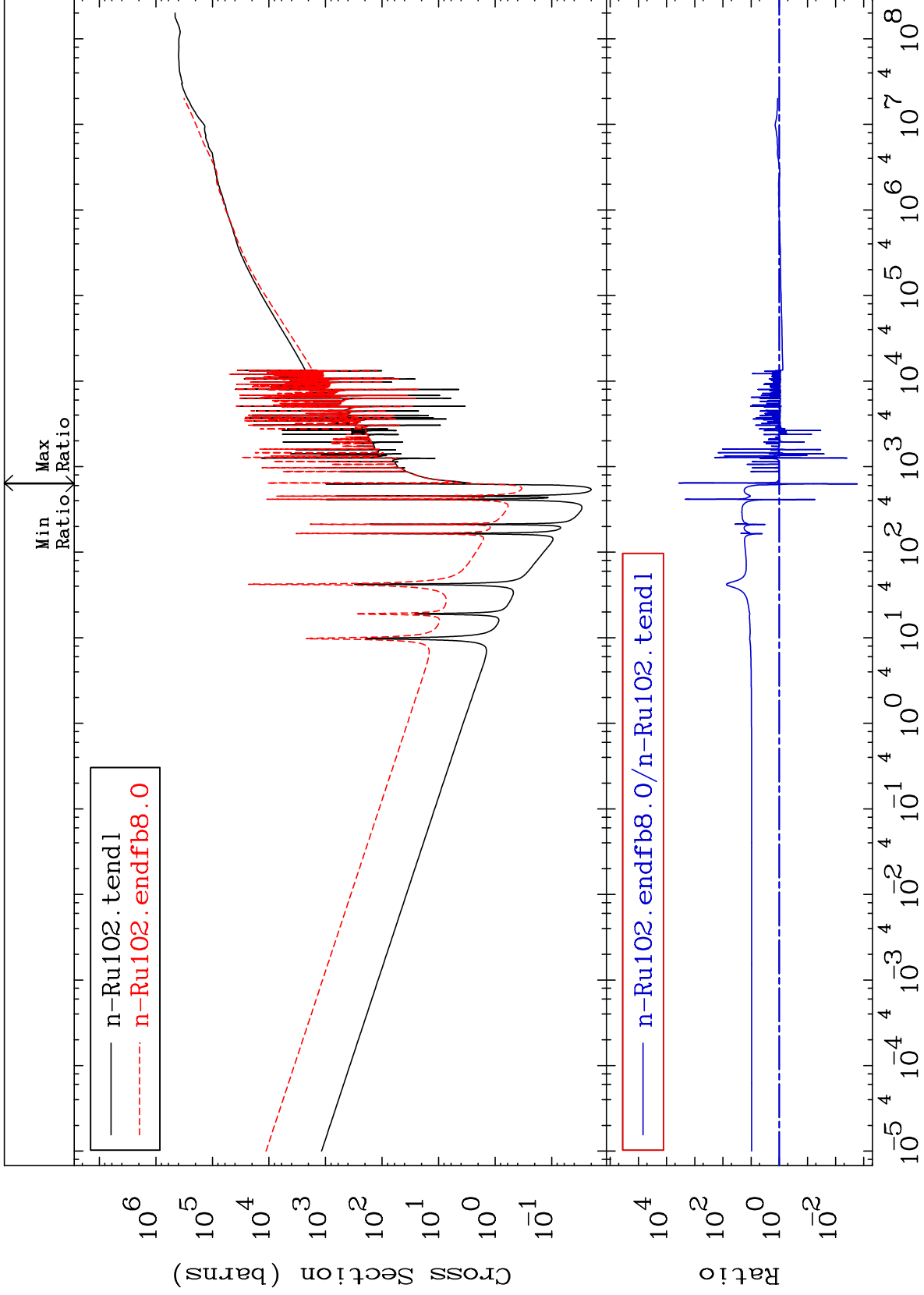




MAT 4443

Dpa total (eV-barns)  
Cross Section

44-Ru-102  
-99.83 To 9999. %



MAT 4443

Dpa elastic (mt2)  
Cross Section

44-Ru-102  
-99.89 To 7632. %

