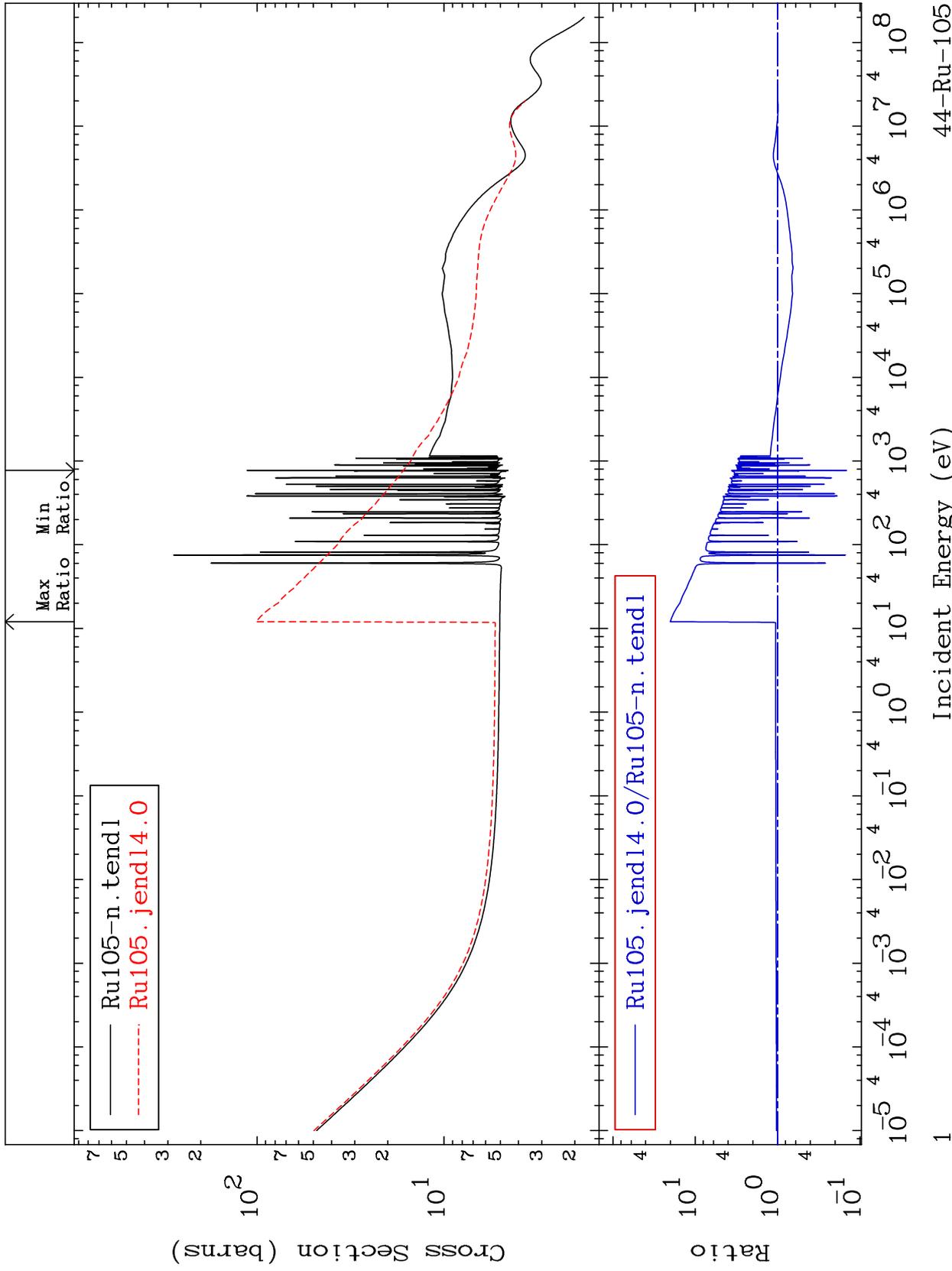


MAT 4452

44-Ru-105

-85.41 To 1911. %

Total  
Cross Section



44-Ru-105

Incident Energy (eV)

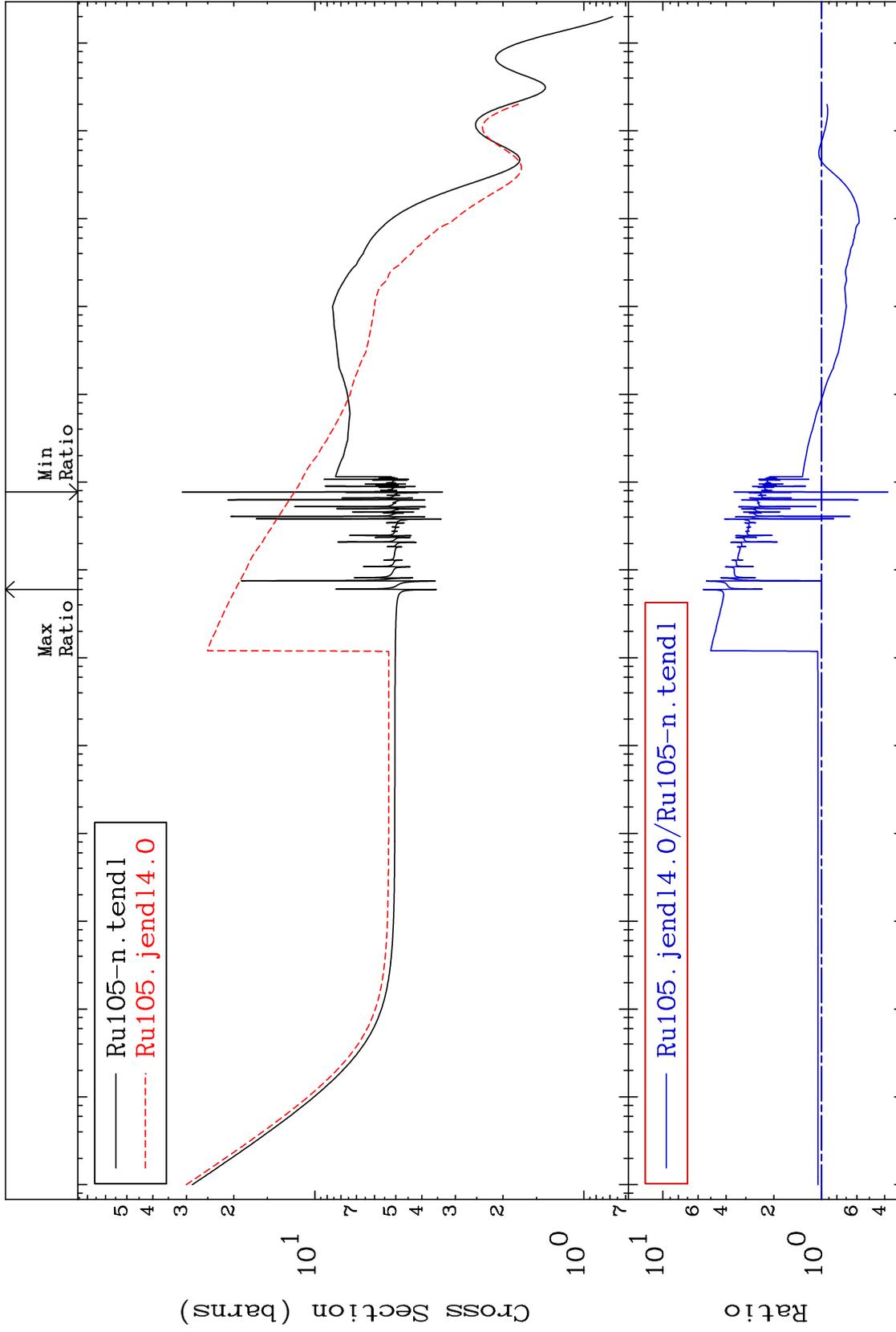
MAT 4452

Elastic

44-Ru-105

Cross Section

-61.78 To 458.2 %



Incident Energy (eV)

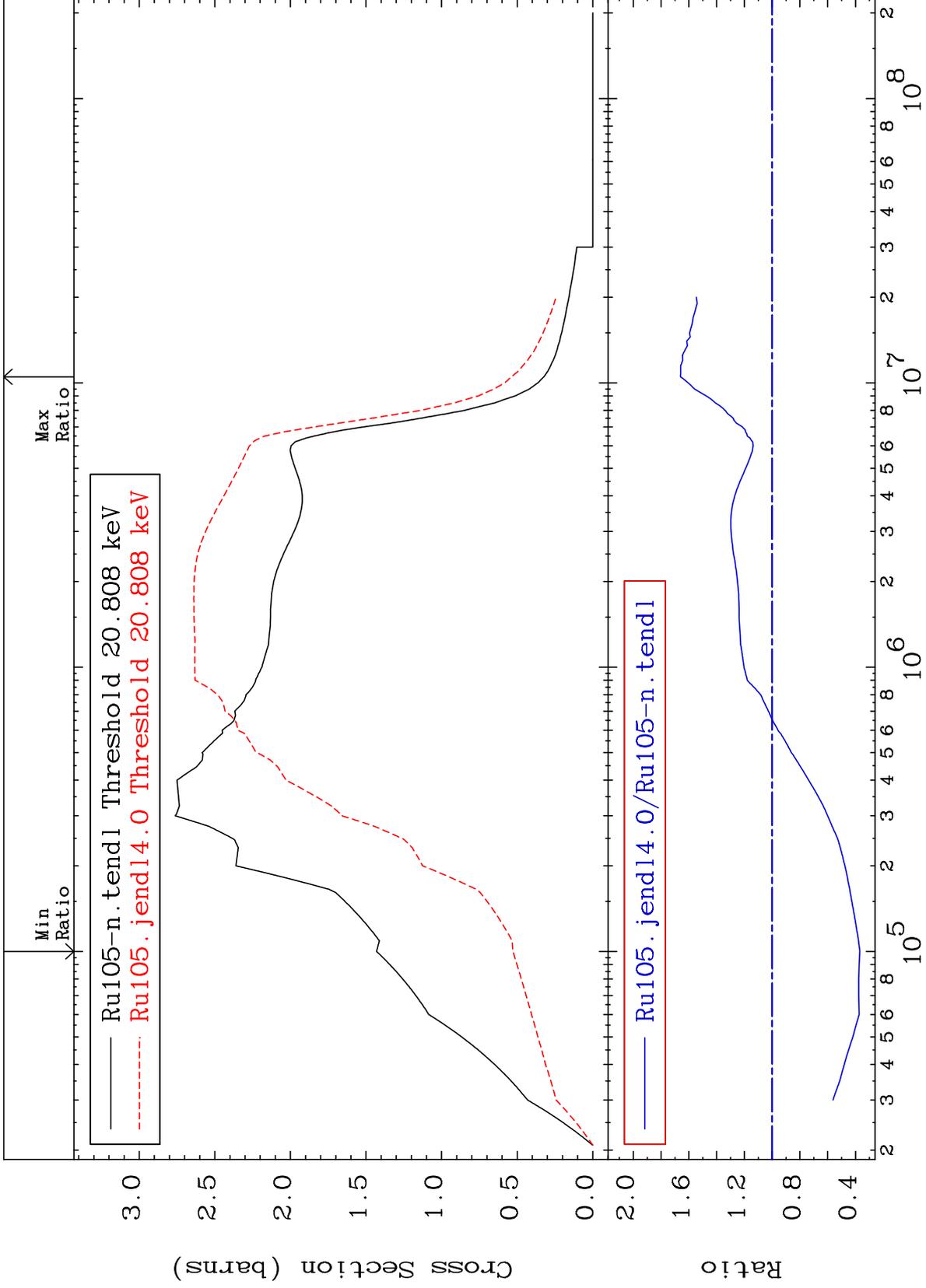
44-Ru-105

2

MAT 4452

Inelastic  
Cross Section

44-Ru-105  
-63.08 To 66.00 %



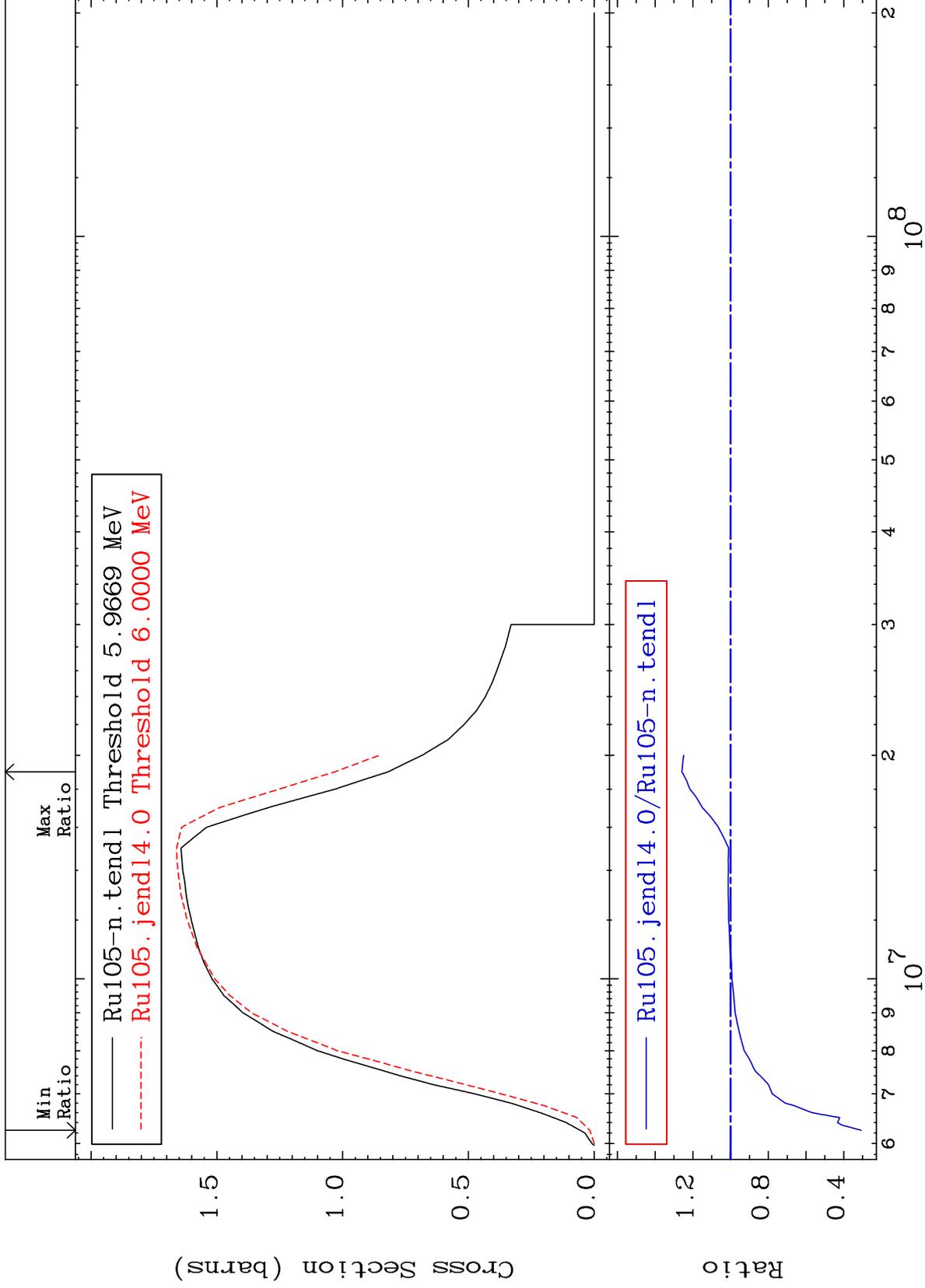
MAT 4452

(n,2n)

44-Ru-105

Cross Section

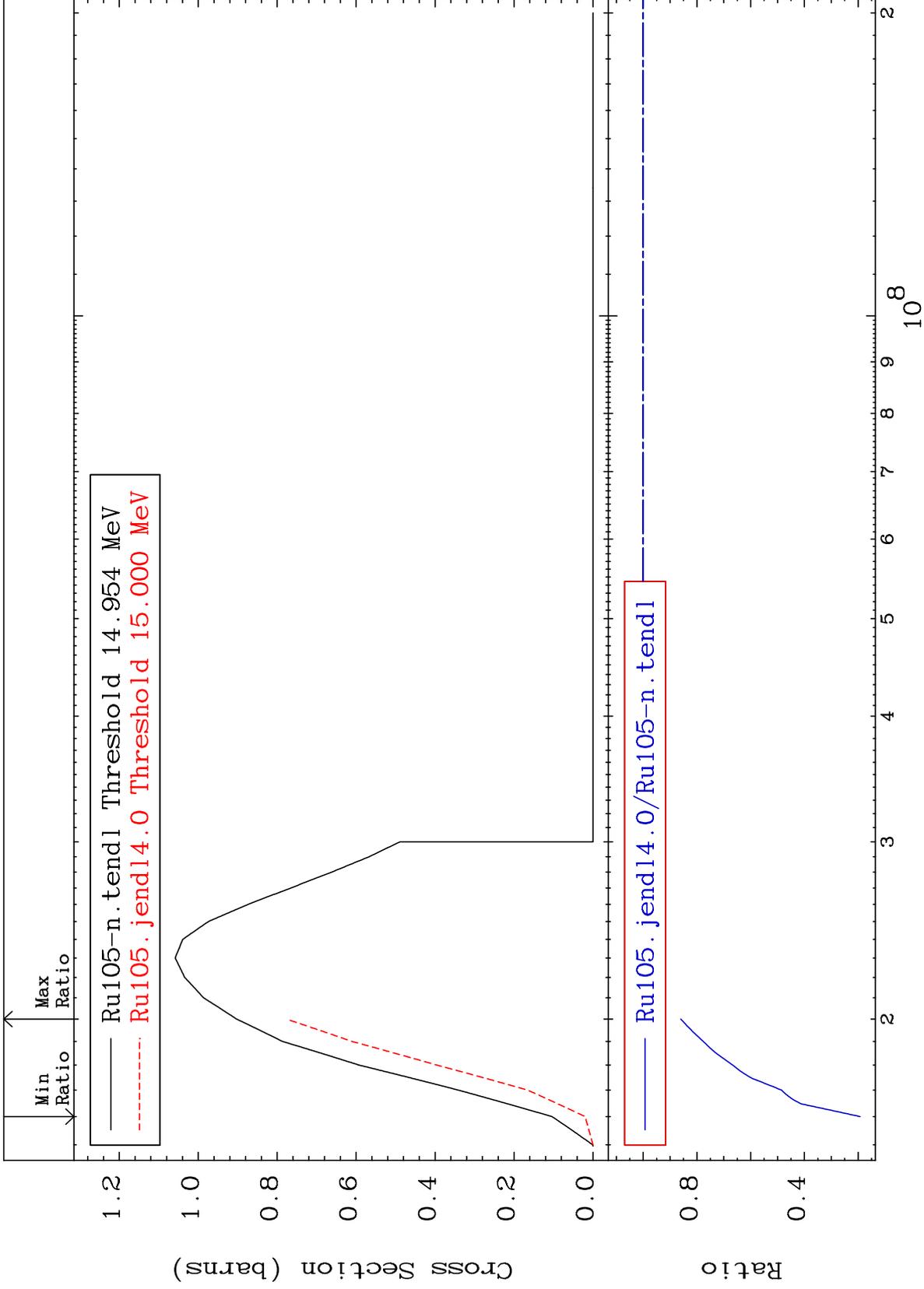
-69.19 To 25.80 %



Incident Energy (eV)

44-Ru-105

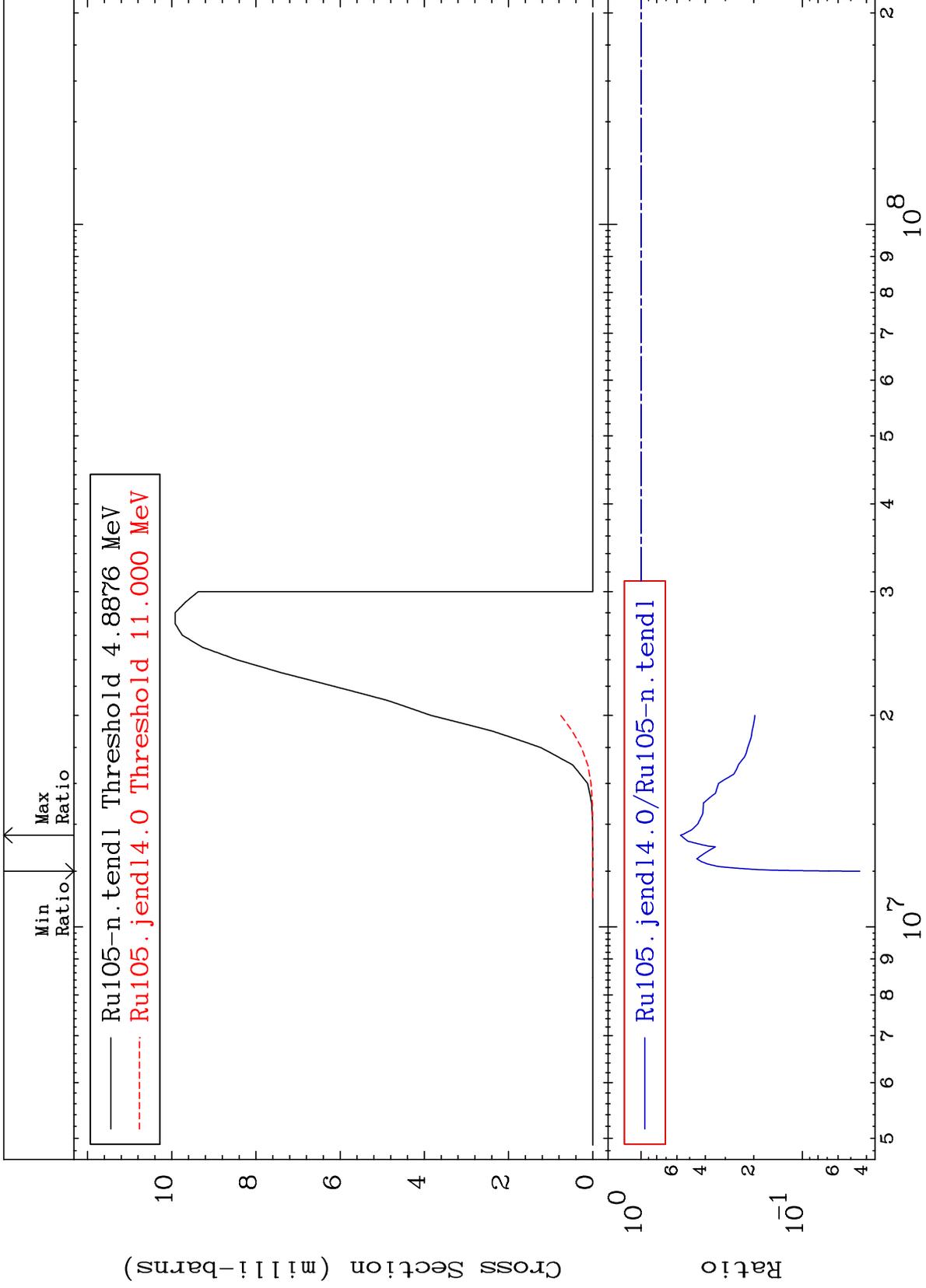
4



MAT 4452

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

44-Ru-105  
-95.60 To -43.05%



6

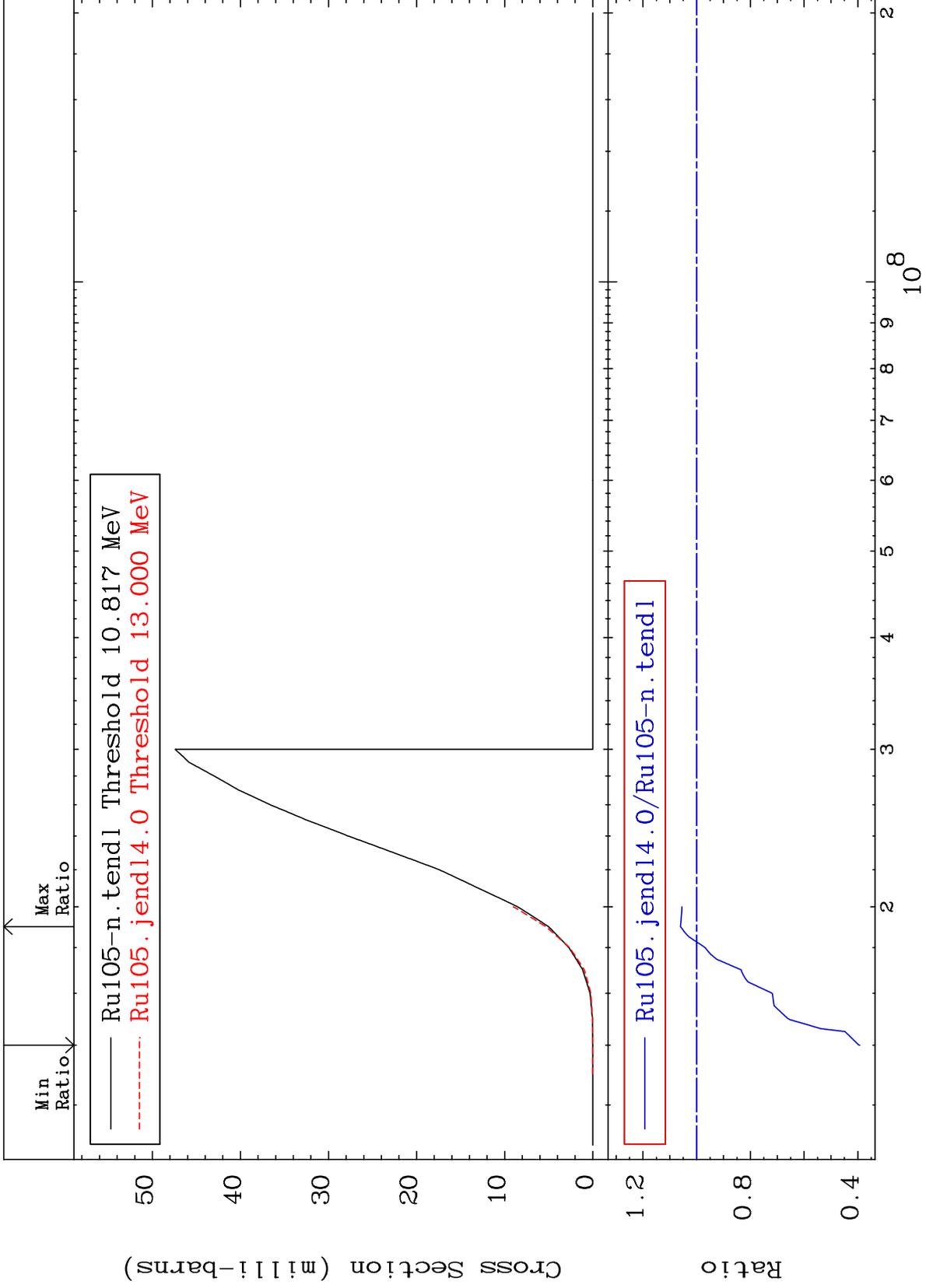
Incident Energy (eV)

44-Ru-105

MAT 4452

(n,n') p  
Cross Section

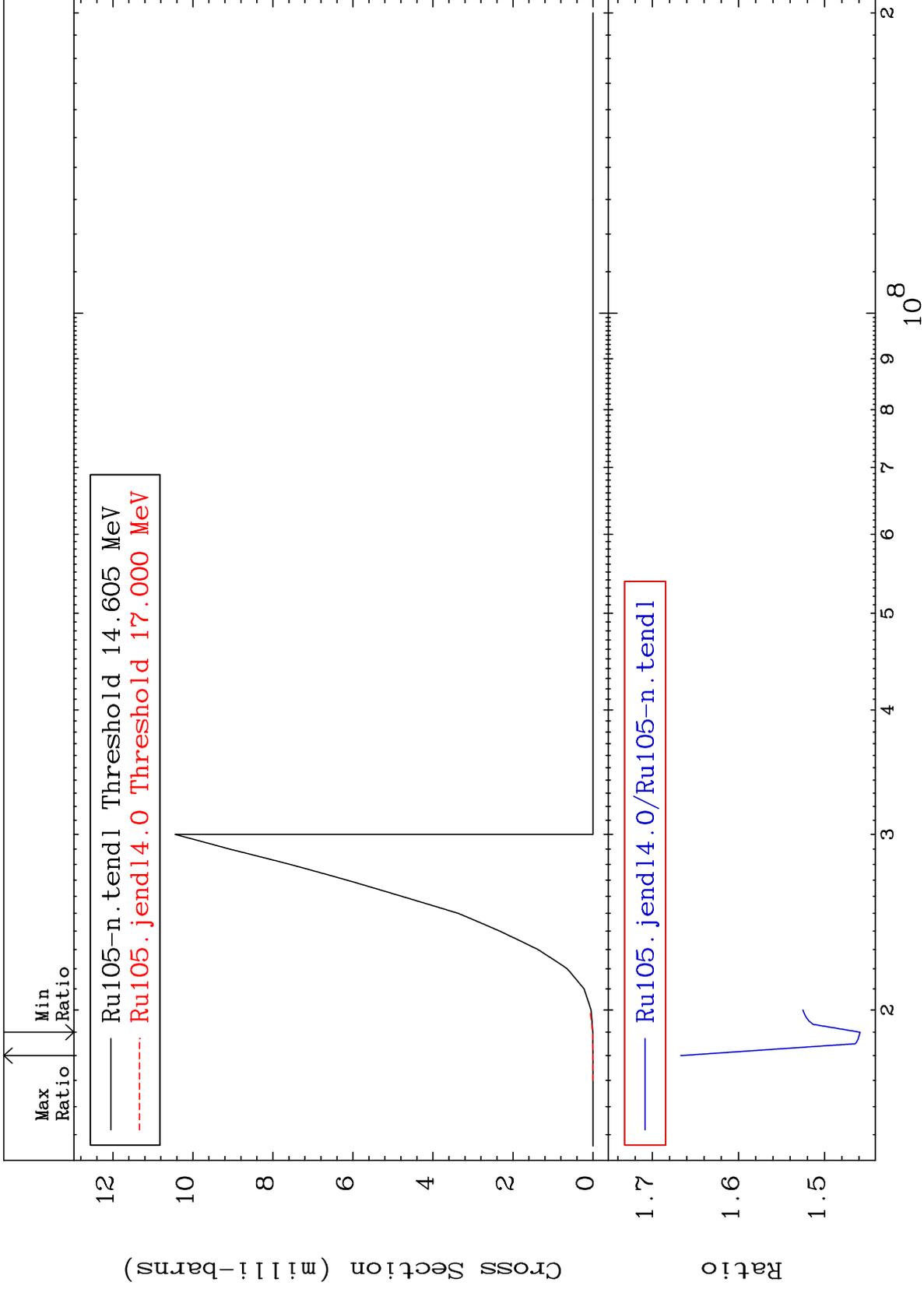
44-Ru-105  
-60.73 To 6.024 %



MAT 4452

(n,n') d  
Cross Section

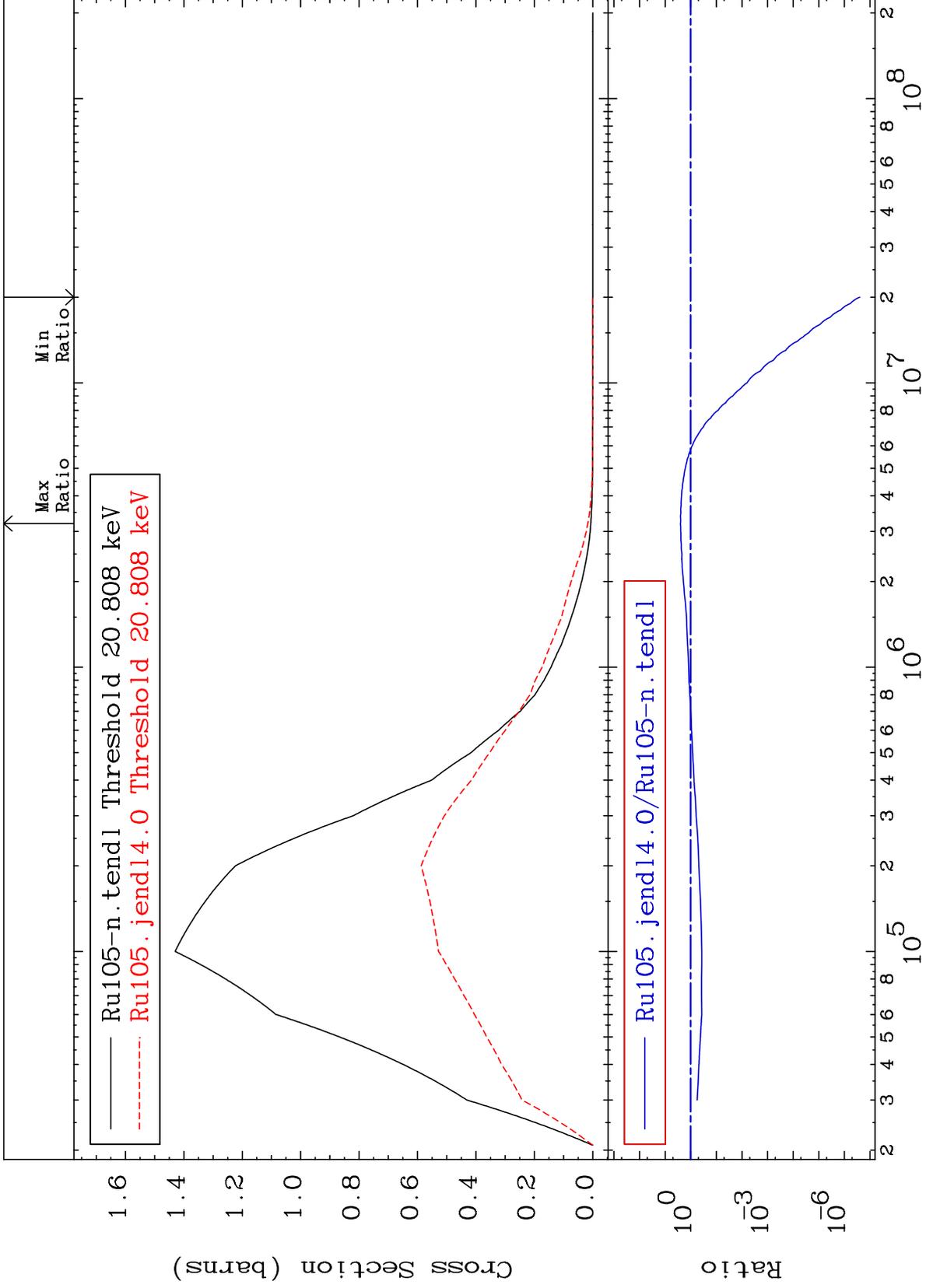
44-Ru-105  
45.88 To 66.70 %



MAT 4452

20.61 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 151.8 %



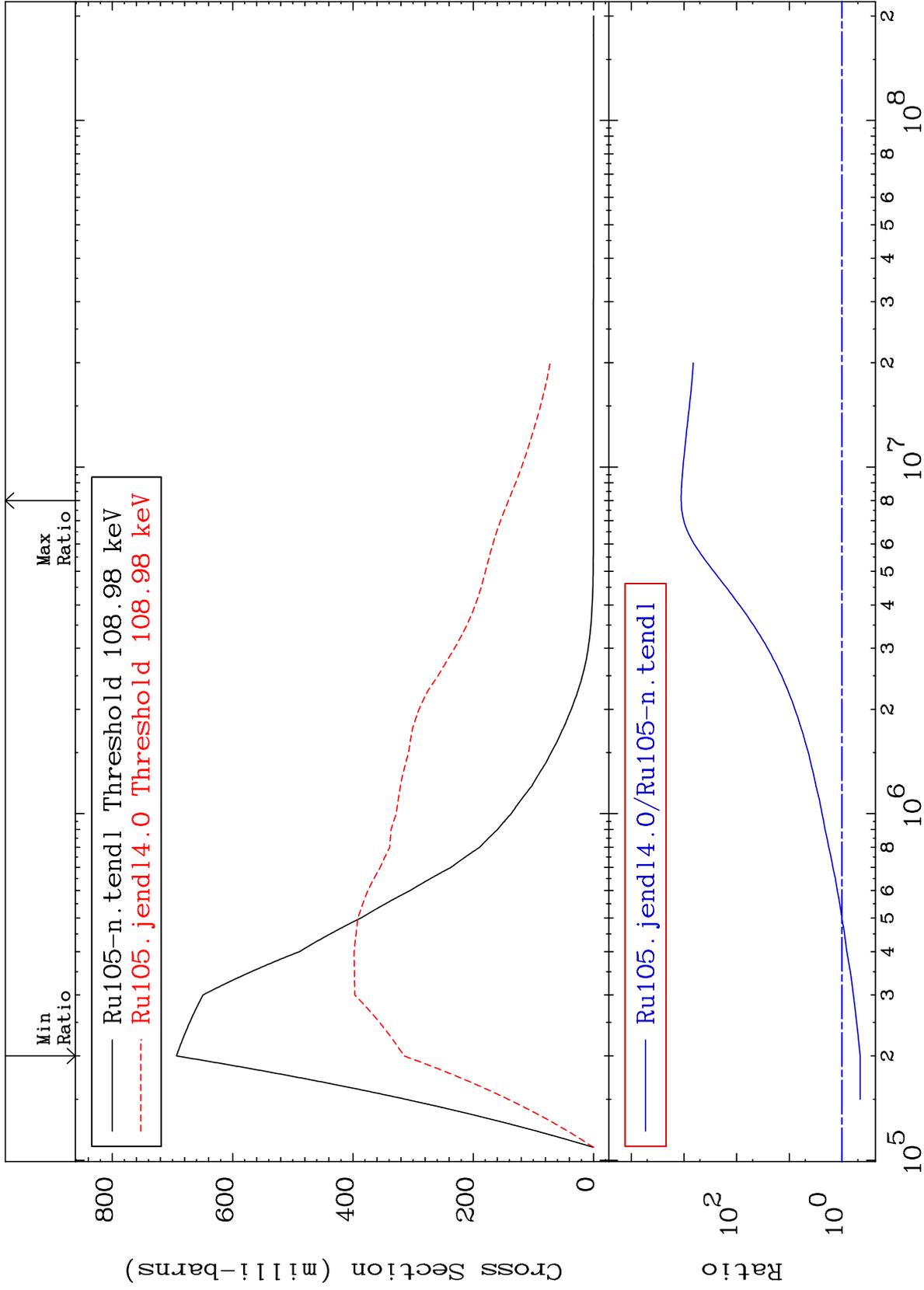
MAT 4452

107.9 keV (n,n') Level

44-Ru-105

-54.59 To 9999. %

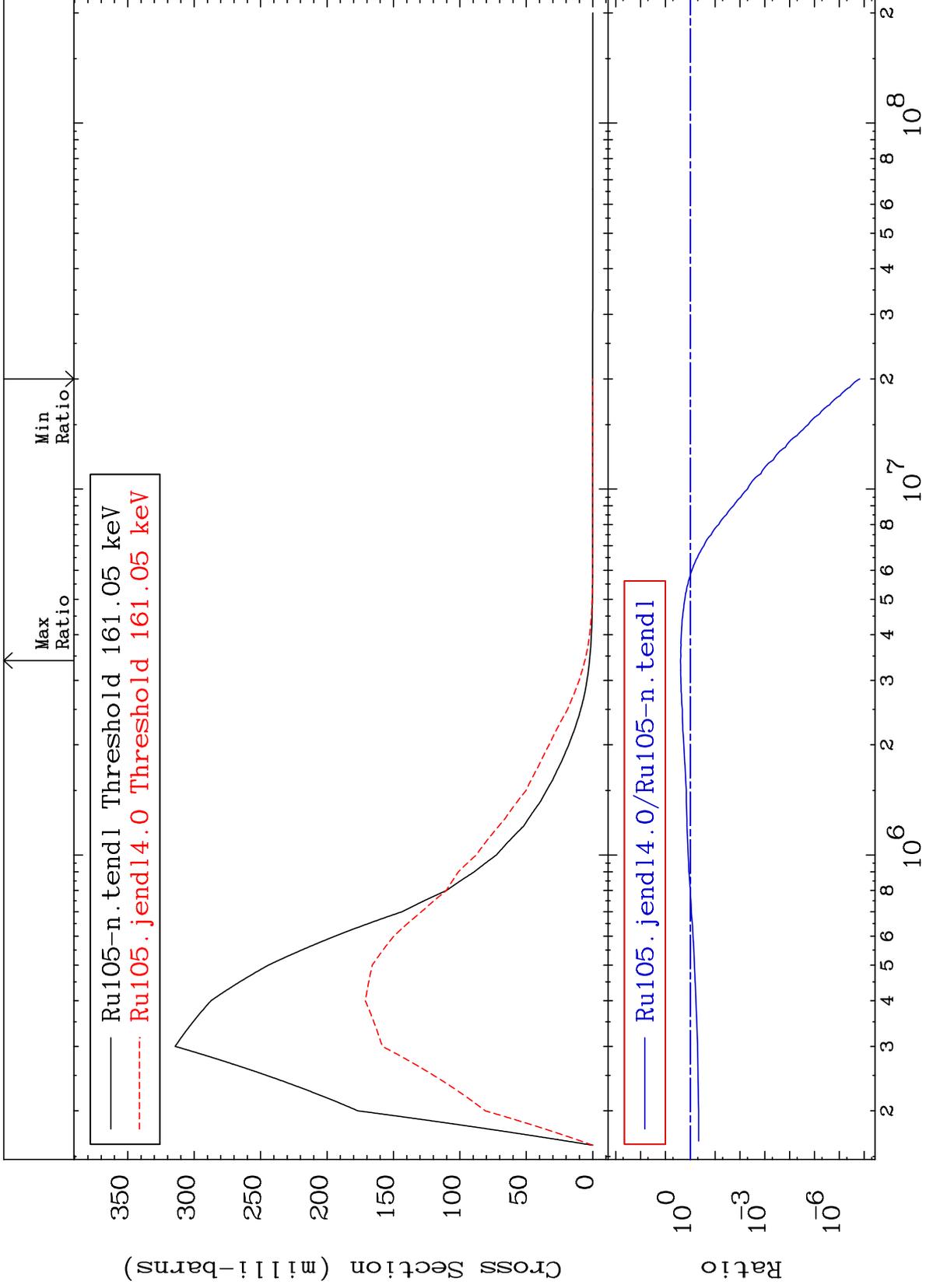
Cross Section



MAT 4452

159.5 keV (n,n') Level  
Cross Section

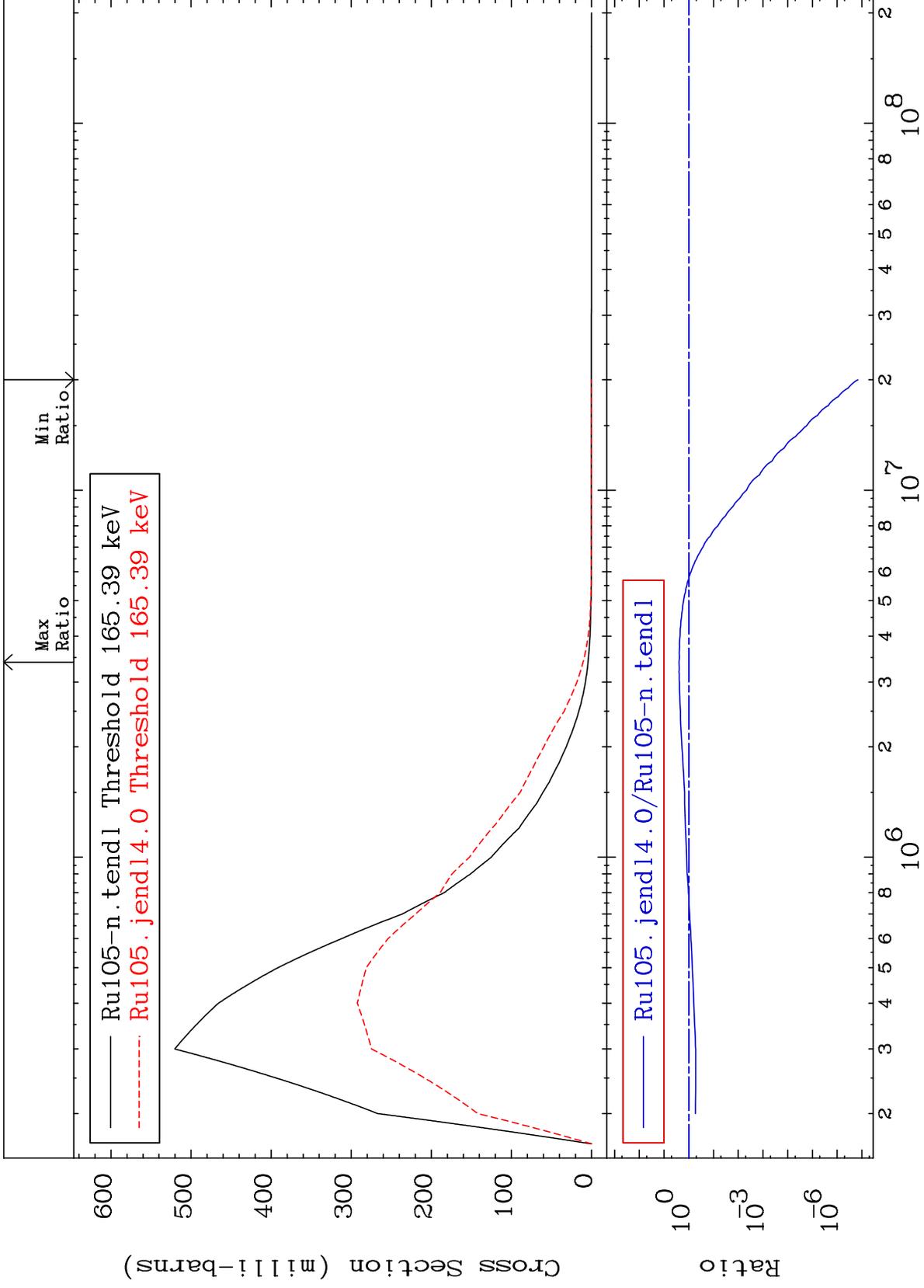
44-Ru-105  
-100.0 To 146.1 %



MAT 4452

163.8 keV (n,n') Level  
Cross Section

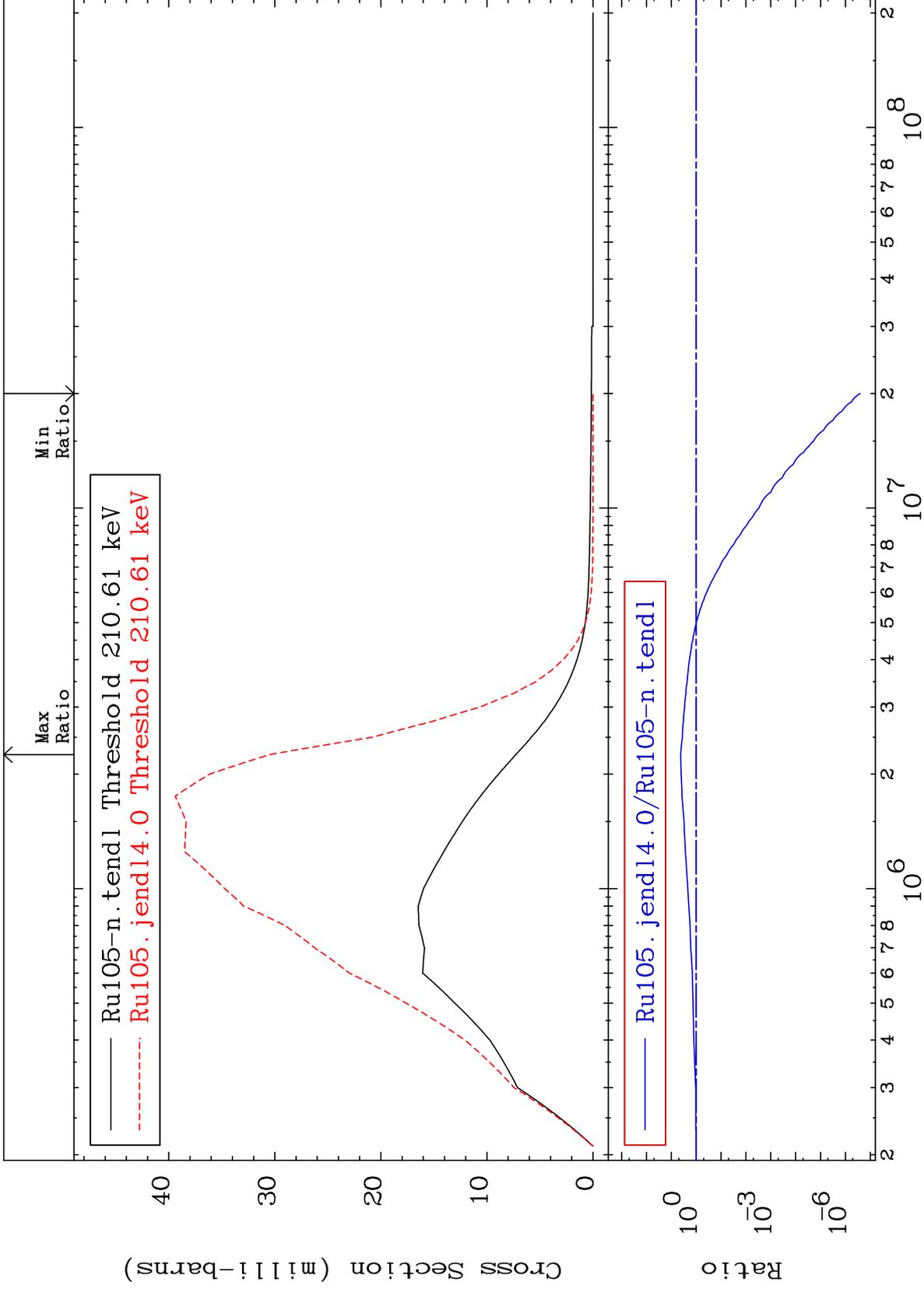
44-Ru-105  
-100.0 To 146.9 %



MAT 4452

208.6 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 319.0 %



13

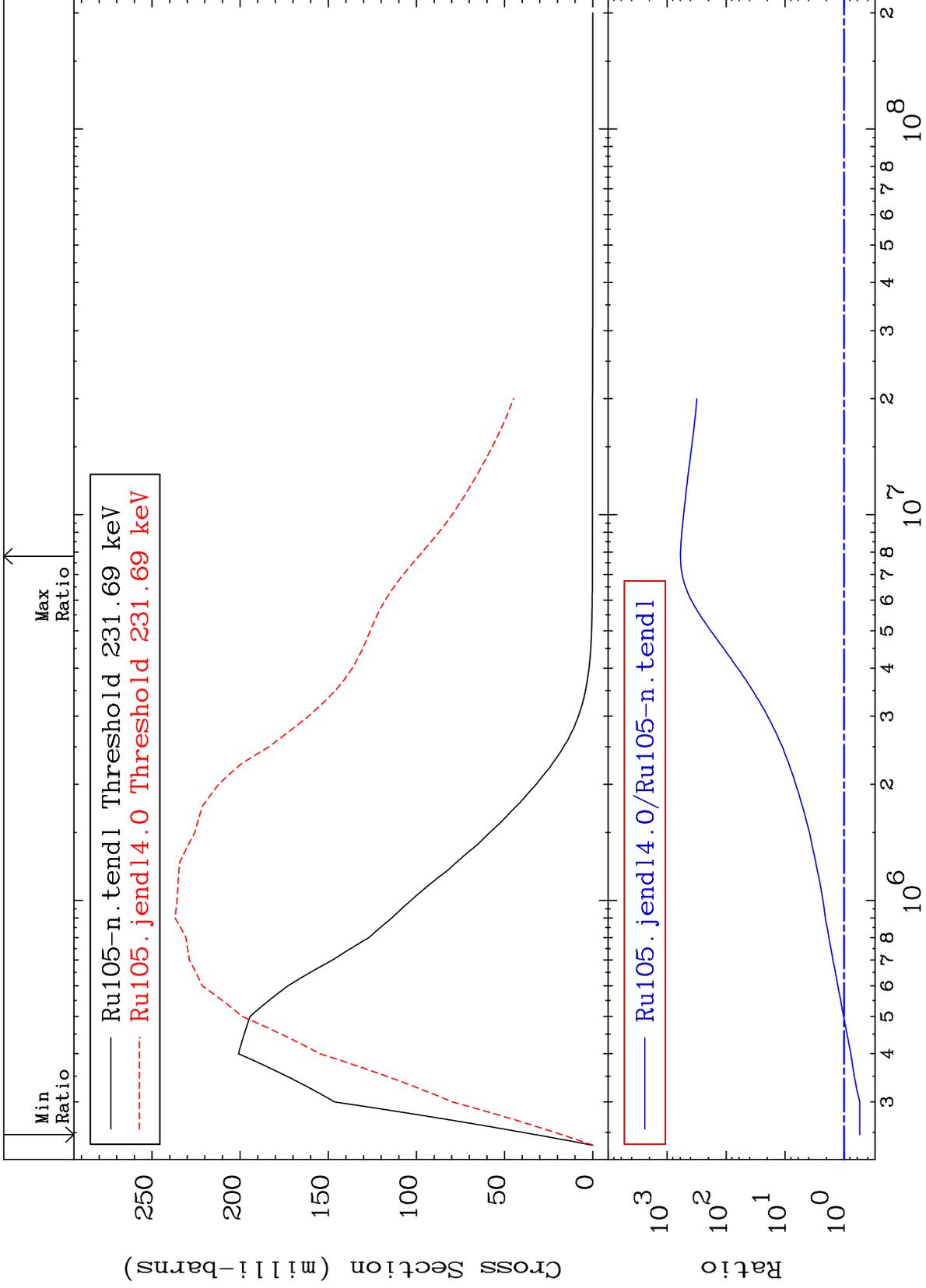
Incident Energy (eV)

44-Ru-105

MAT 4452

229.5 keV (n,n') Level  
Cross Section

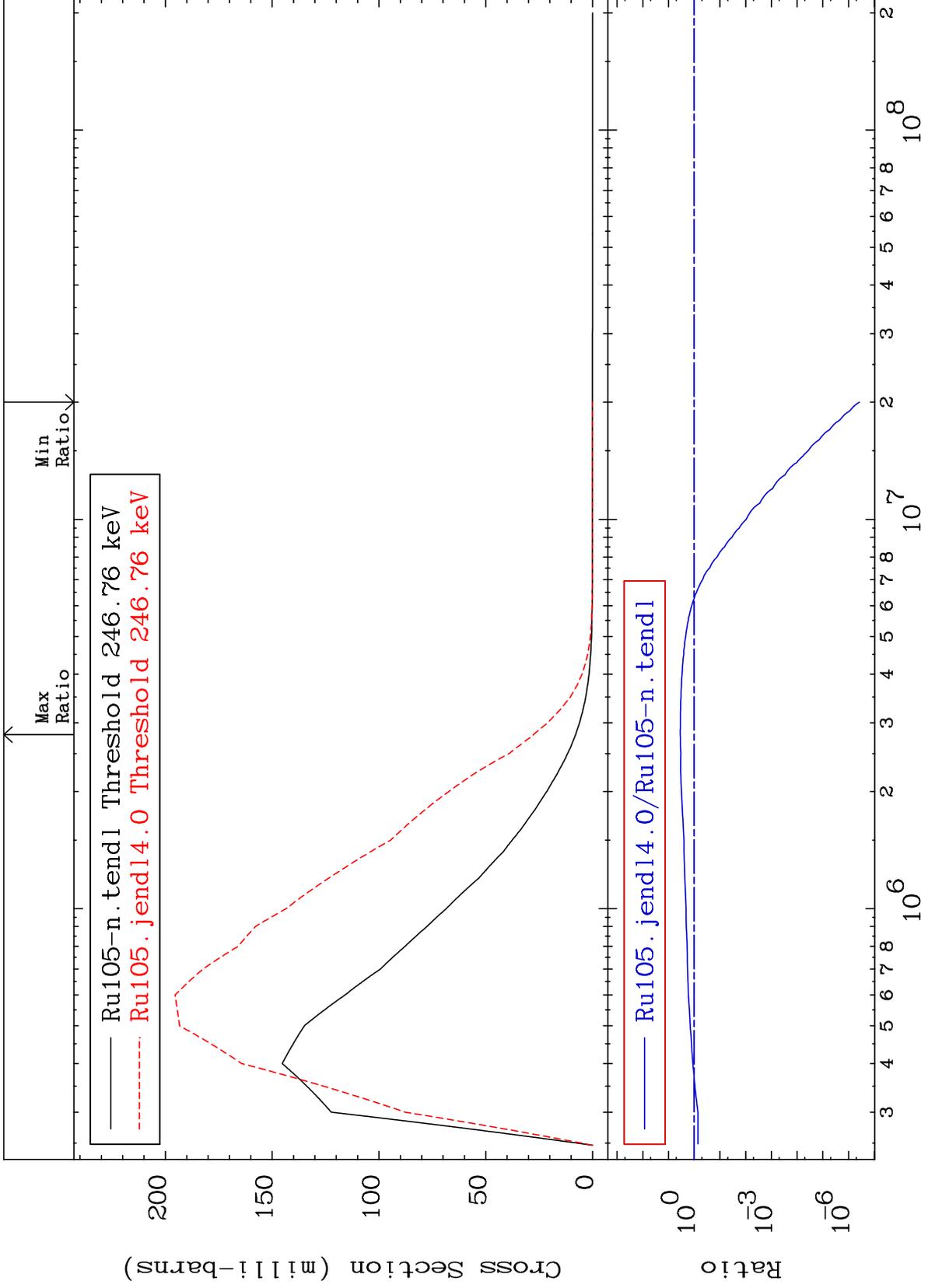
44-Ru-105  
-45.64 To 9999. %



MAT 4452

244.4 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 249.4 %



15

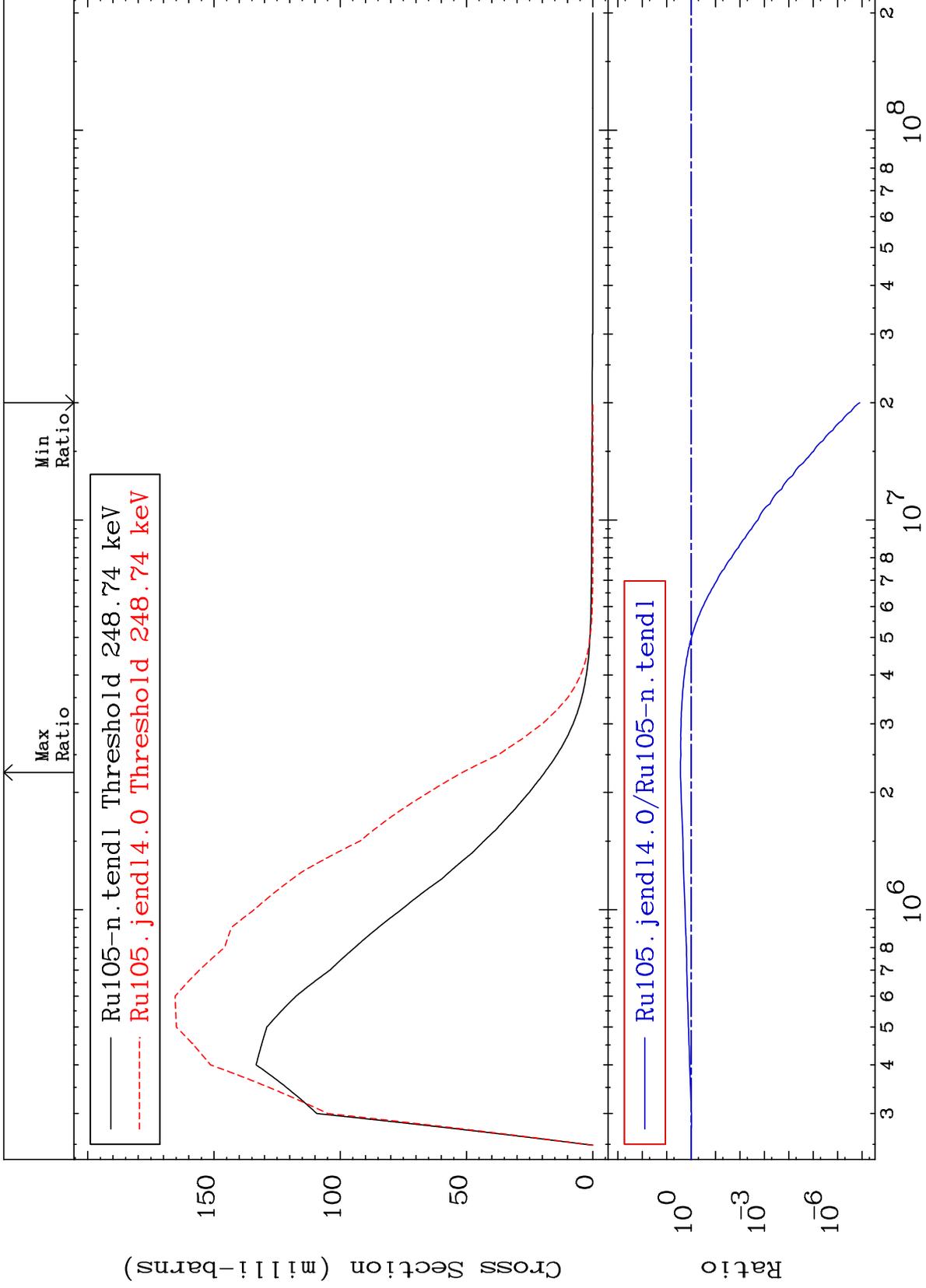
Incident Energy (eV)

44-Ru-105

MAT 4452

246.4 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 170.8 %



16

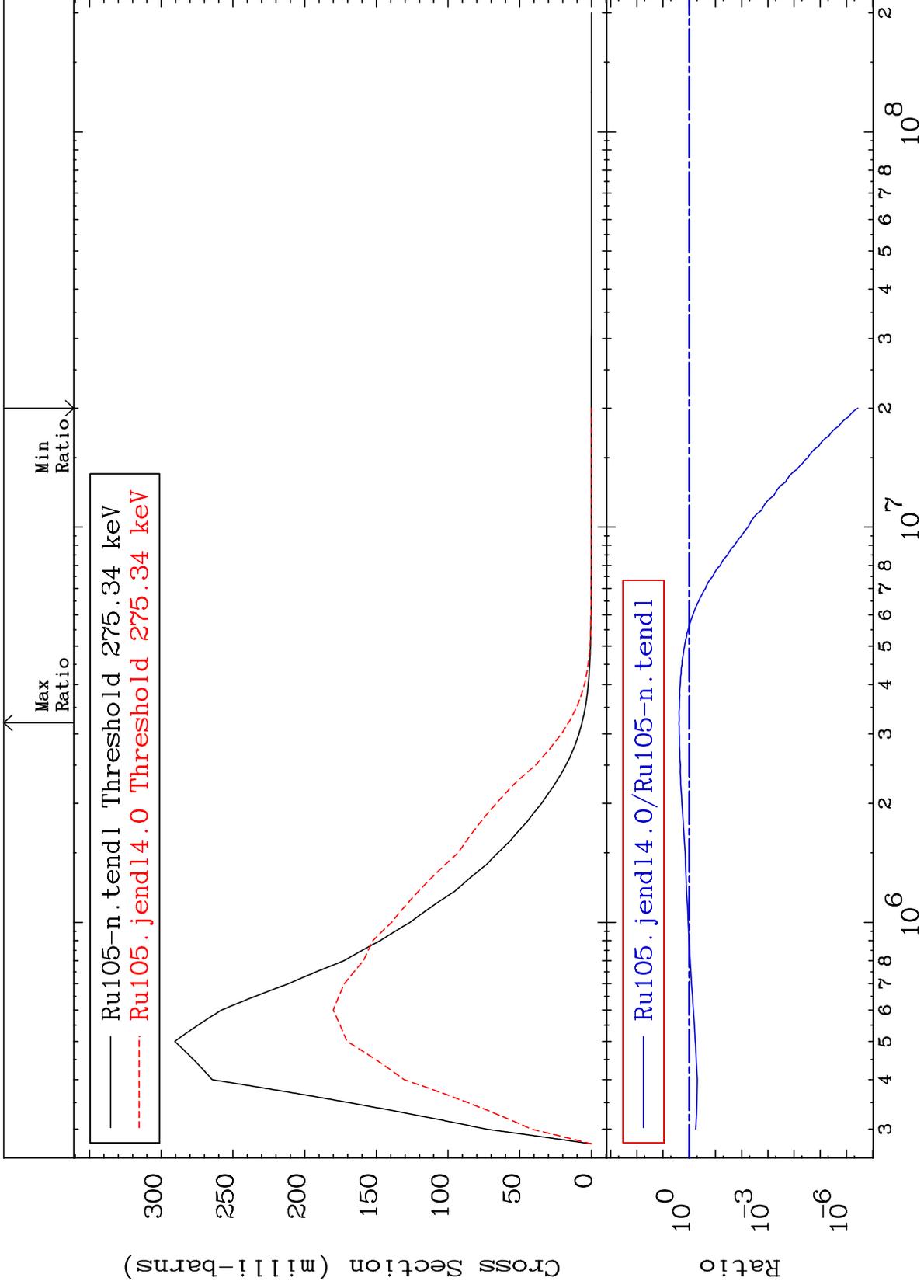
Incident Energy (eV)

44-Ru-105

MAT 4452

272.7 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 145.1 %



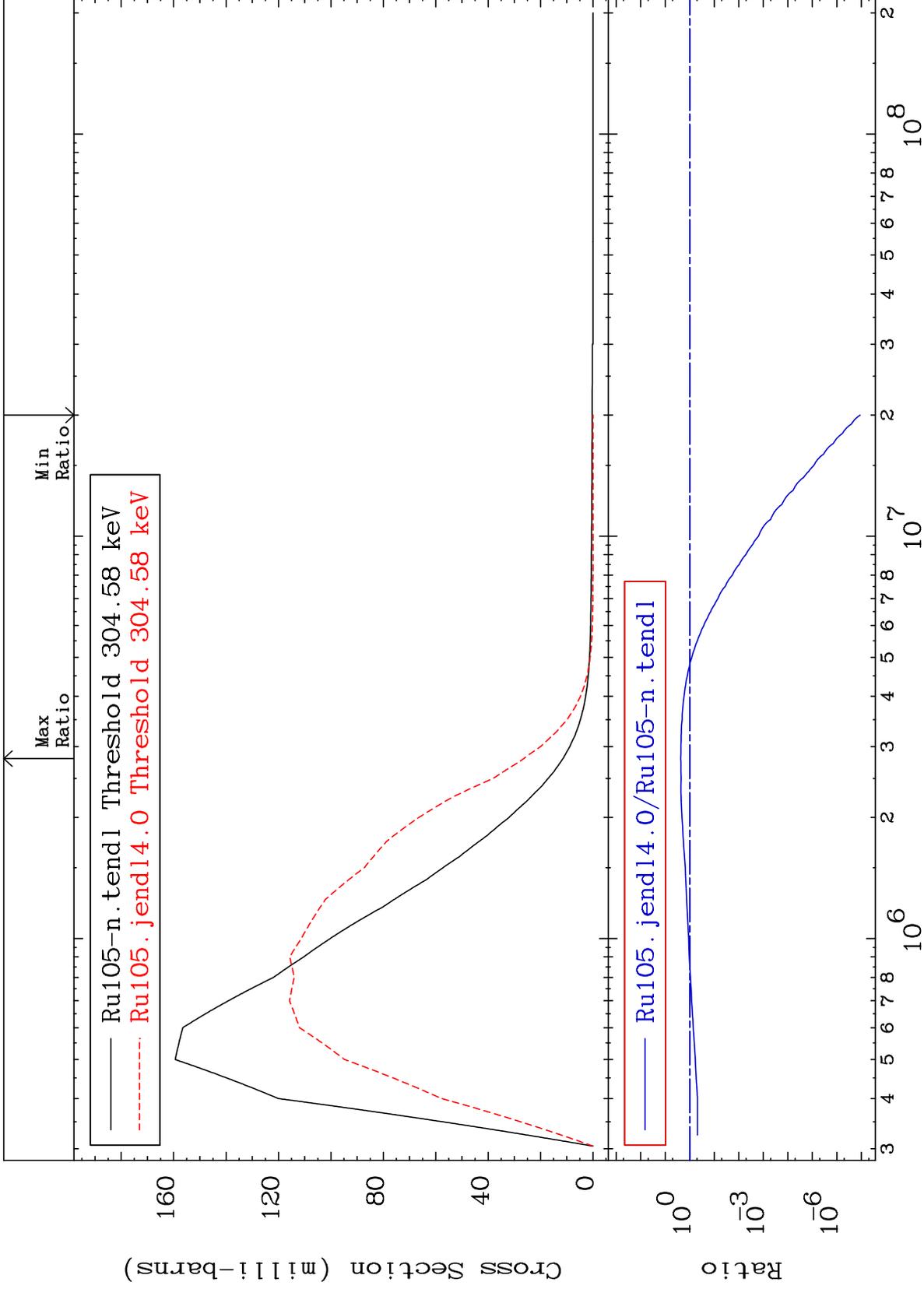
17

44-Ru-105

MAT 4452

301.7 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 131.8 %



18

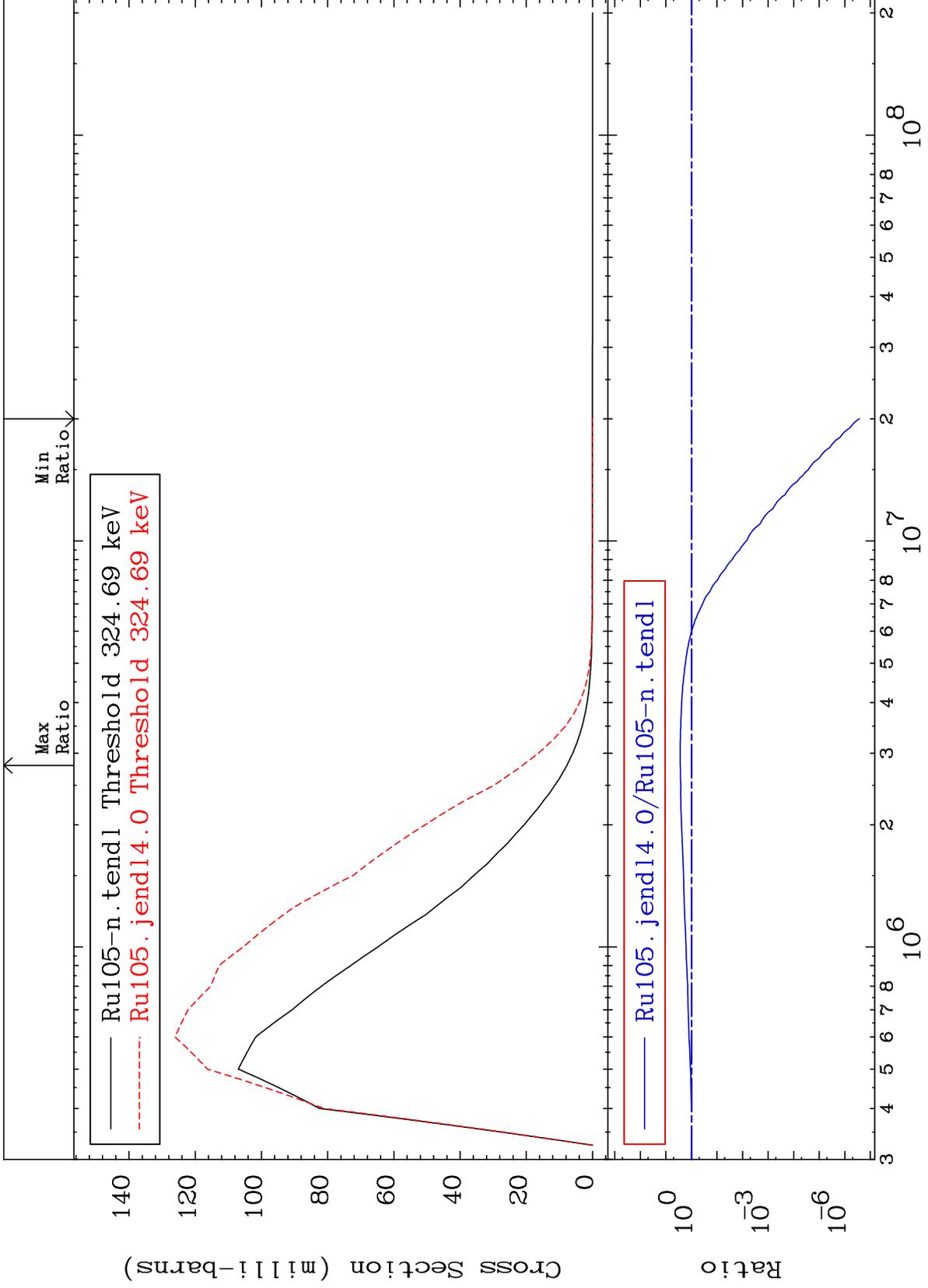
Incident Energy (eV)

44-Ru-105

MAT 4452

321.6 keV (n,n') Level  
Cross Section

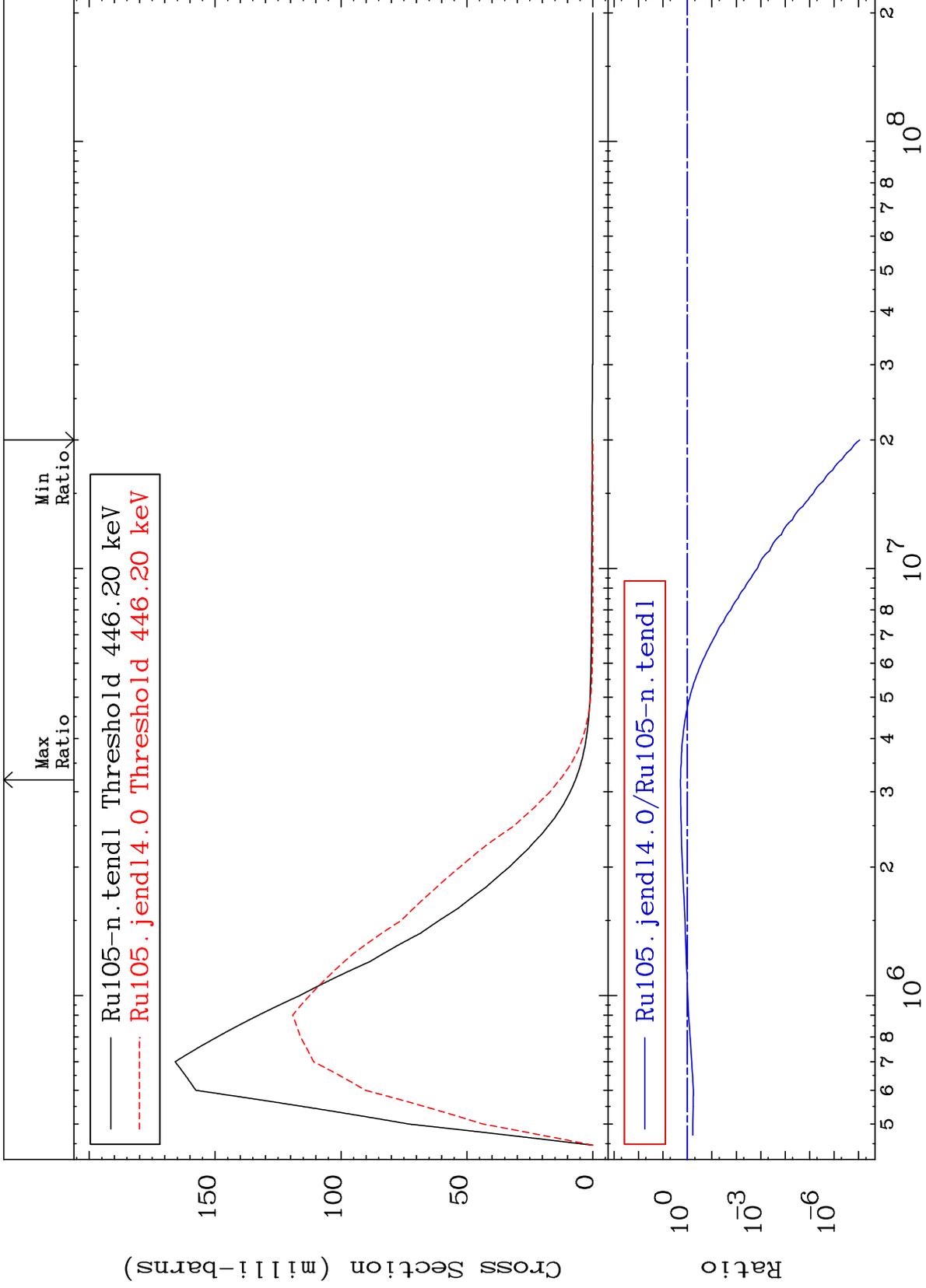
44-Ru-105  
-100.0 To 173.7 %



MAT 4452

441.9 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 91.71 %



20

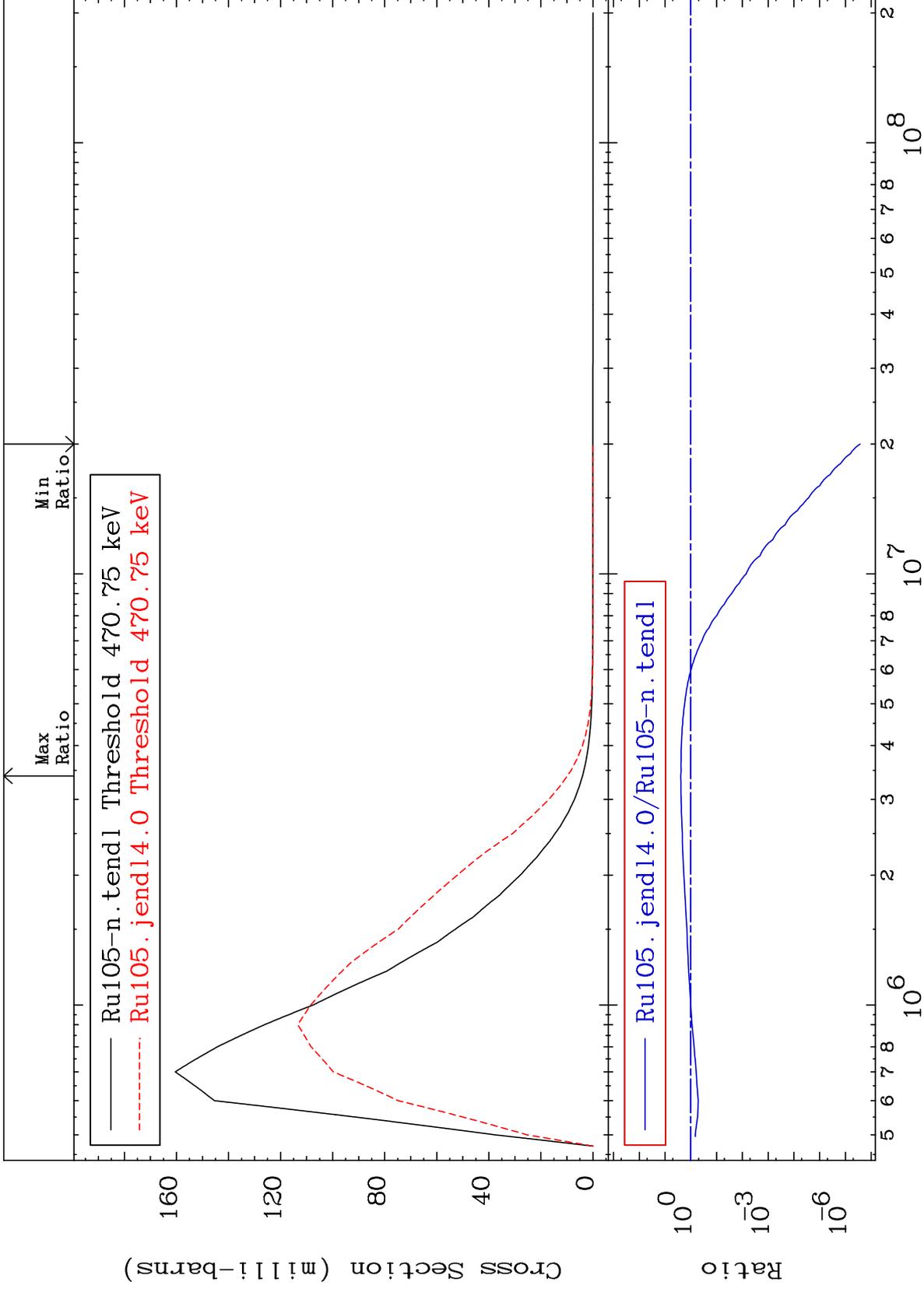
Incident Energy (eV)

44-Ru-105

MAT 4452

466.3 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 145.8 %



21

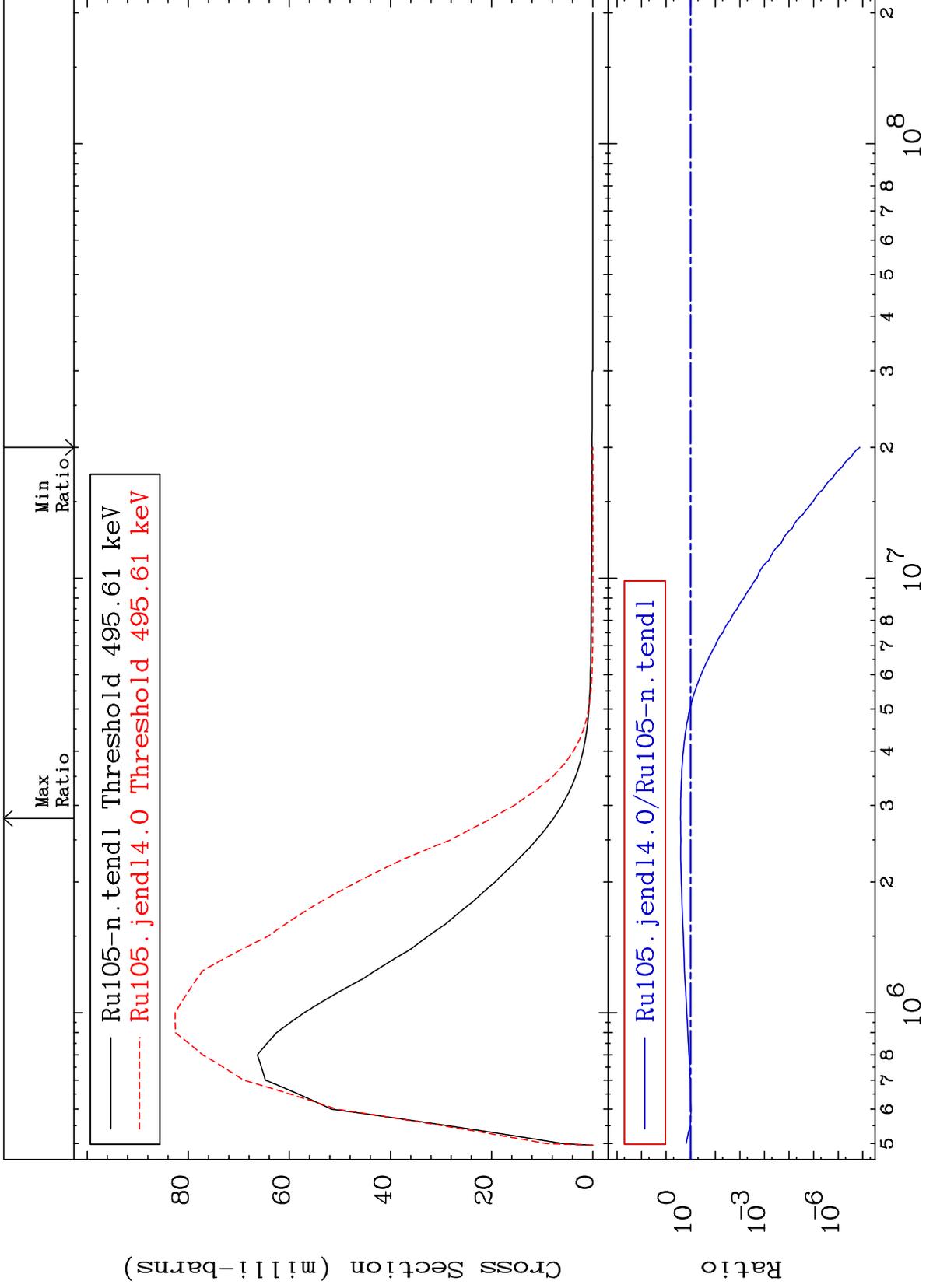
Incident Energy (eV)

44-Ru-105

MAT 4452

490.9 keV (n,n') Level  
Cross Section

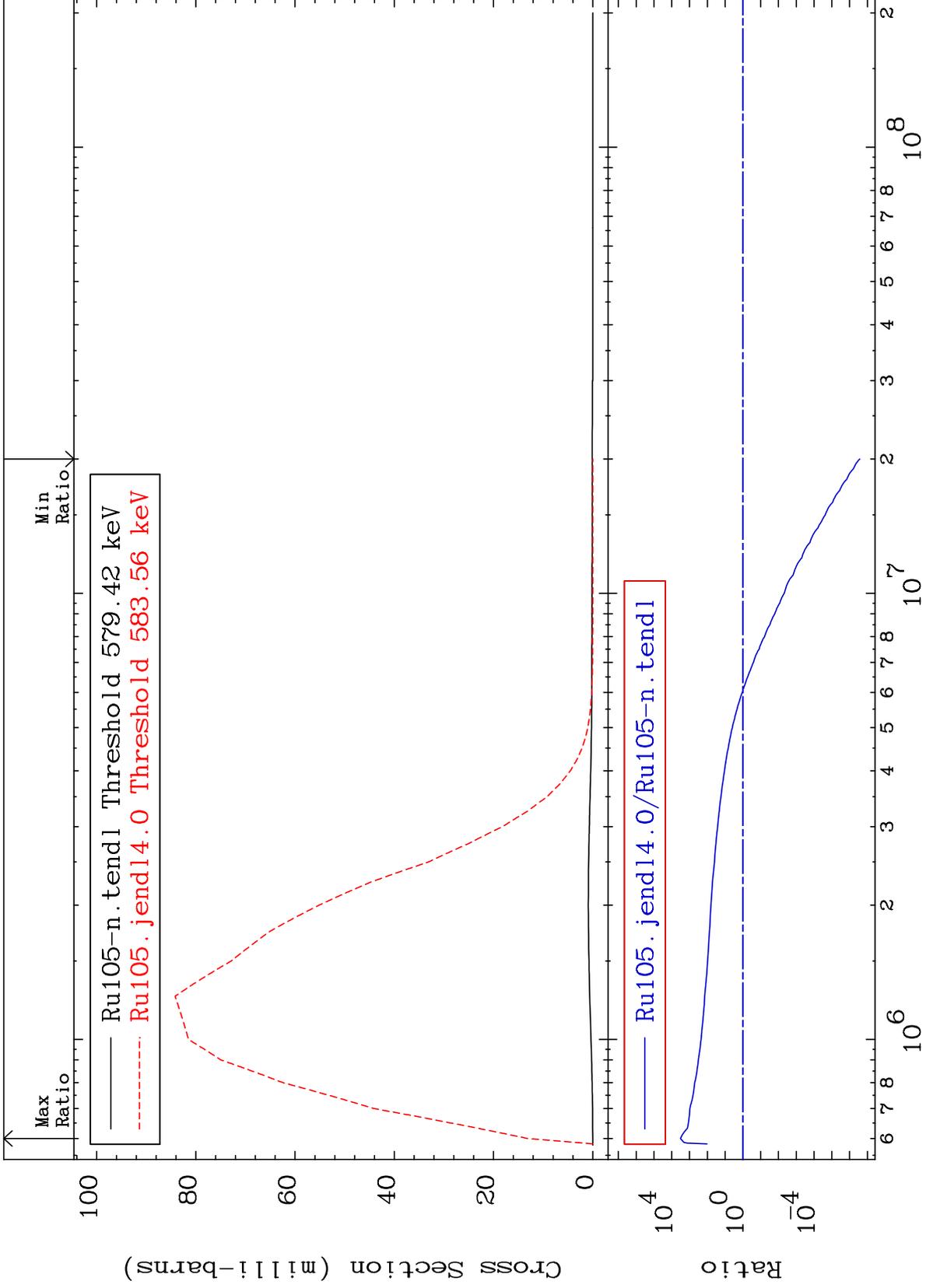
44-Ru-105  
-100.0 To 159.7 %



MAT 4452

573.9 keV (n,n') Level  
Cross Section

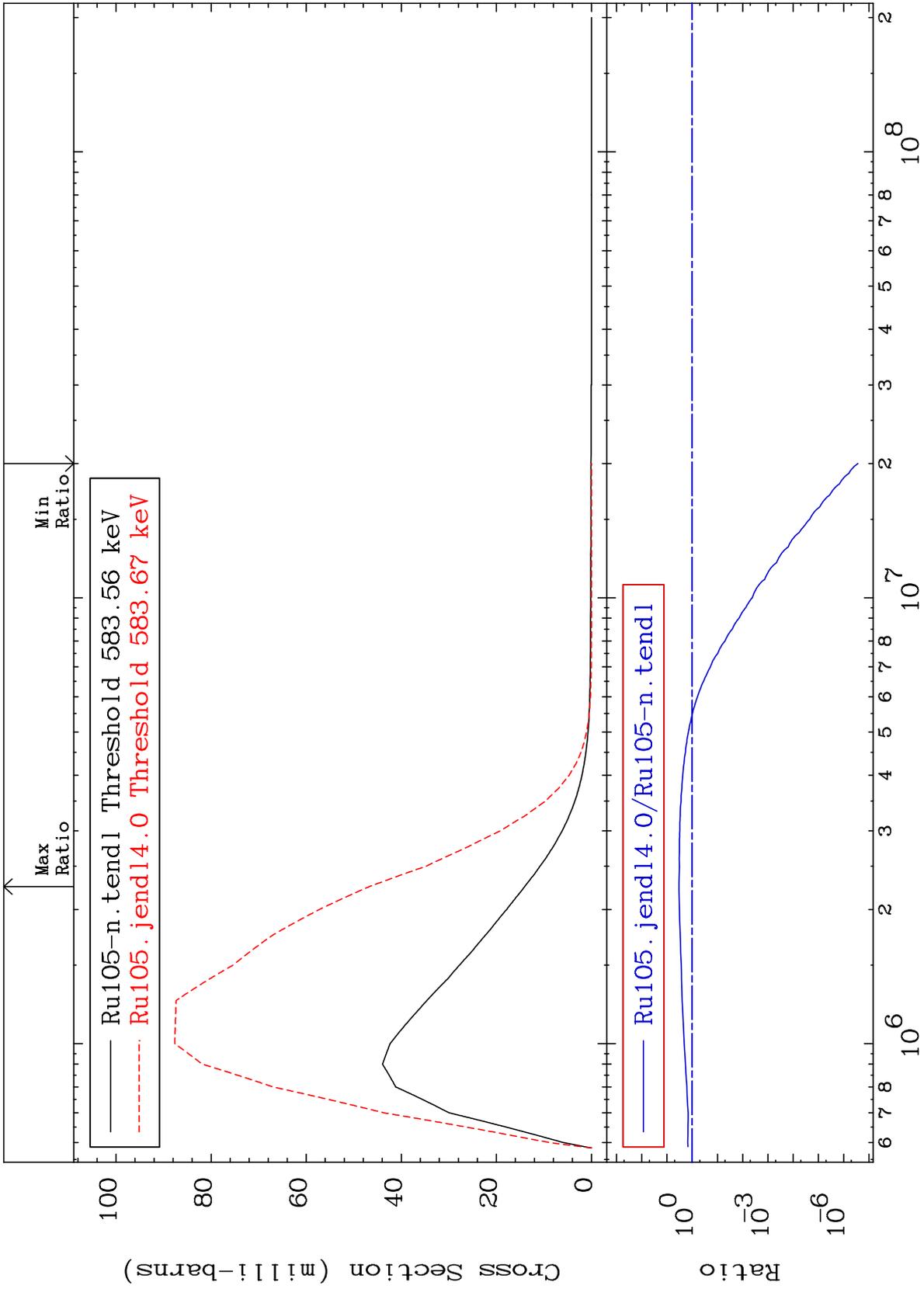
44-Ru-105  
-100.0 To 9999. %



MAT 4452

578.0 keV (n,n') Level  
Cross Section

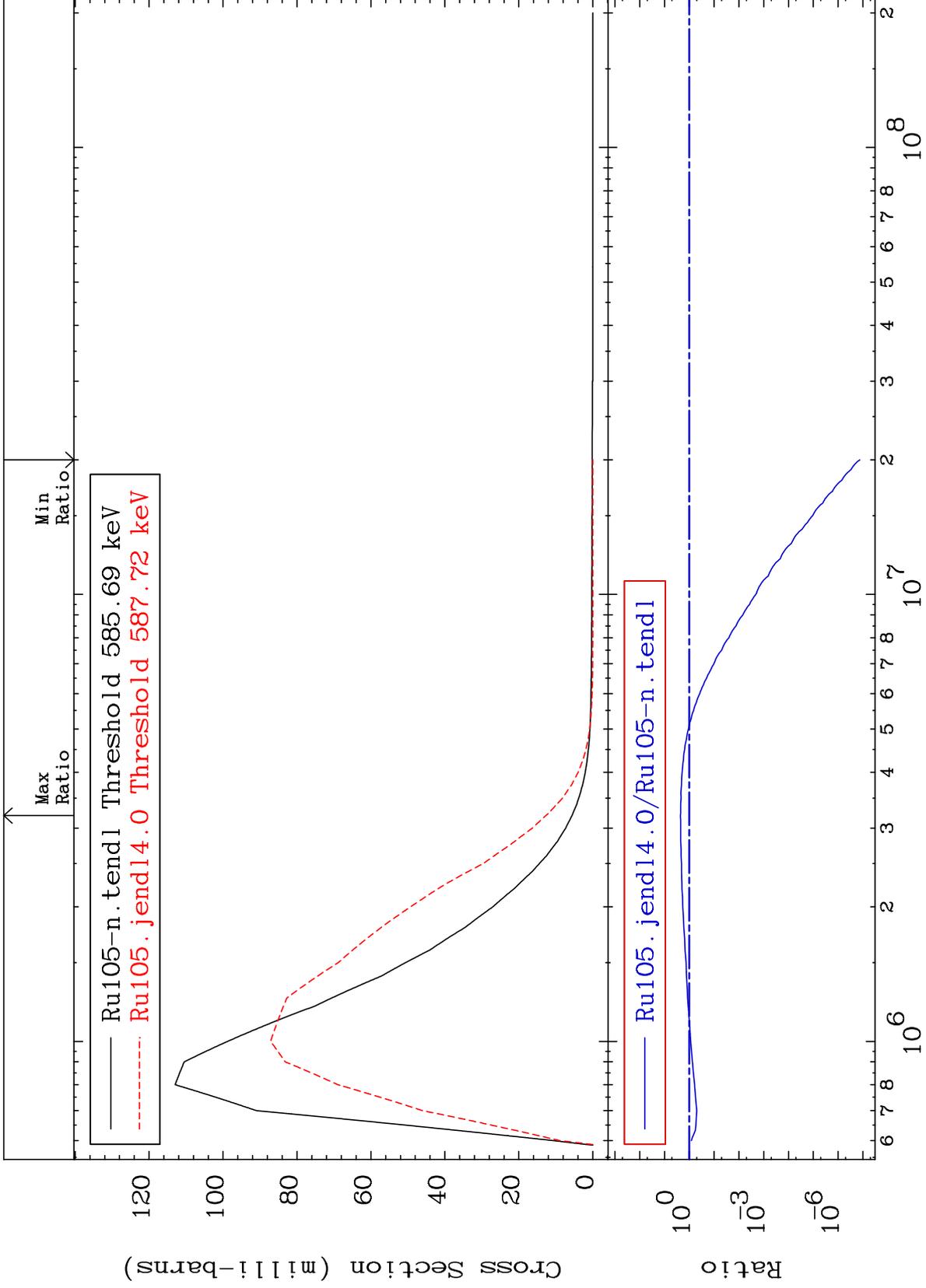
44-Ru-105  
-100.0 To 232.3 %



MAT 4452

580.1 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 126.6 %



25

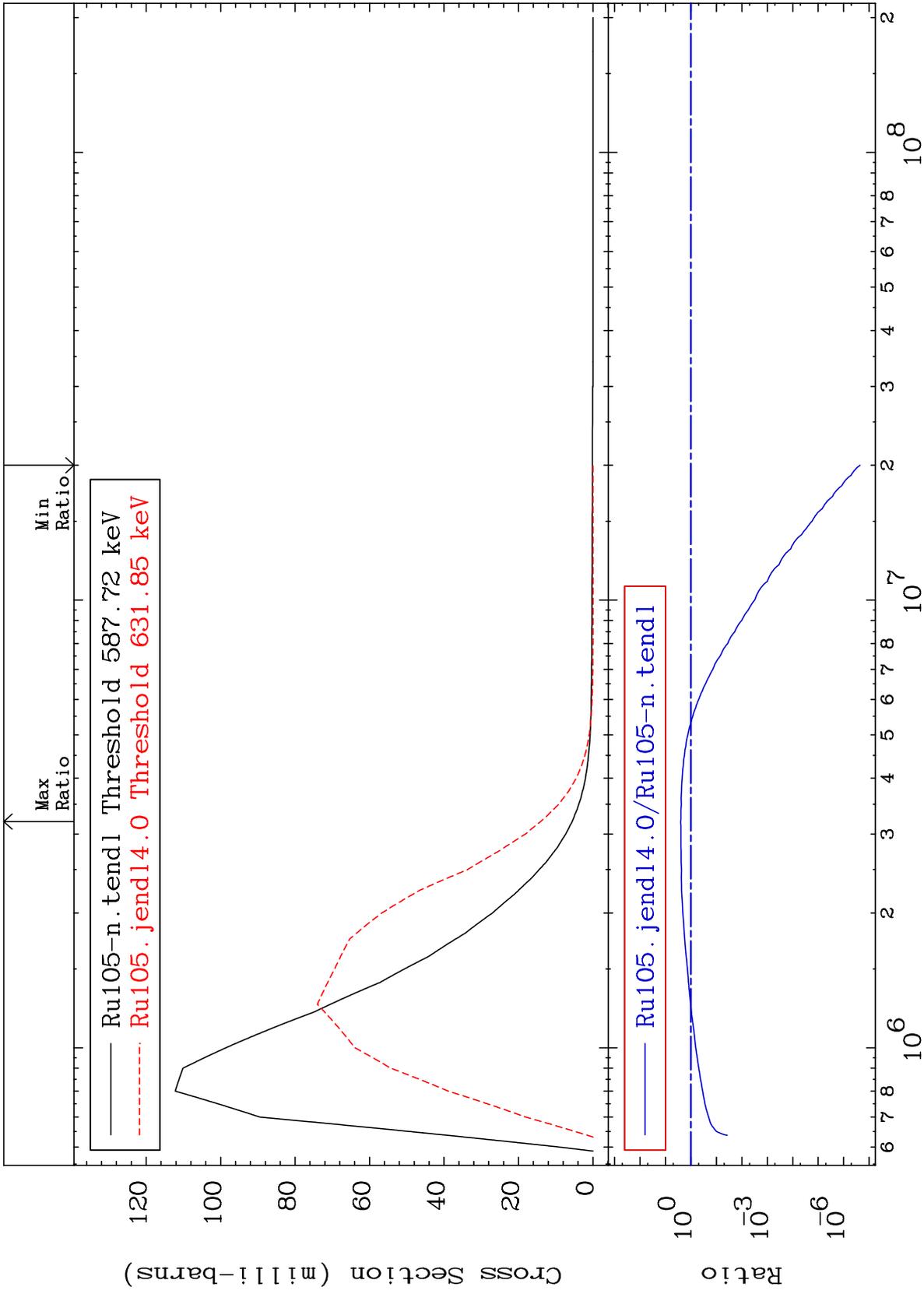
Incident Energy (eV)

44-Ru-105

MAT 4452

582.1 keV (n,n') Level  
Cross Section

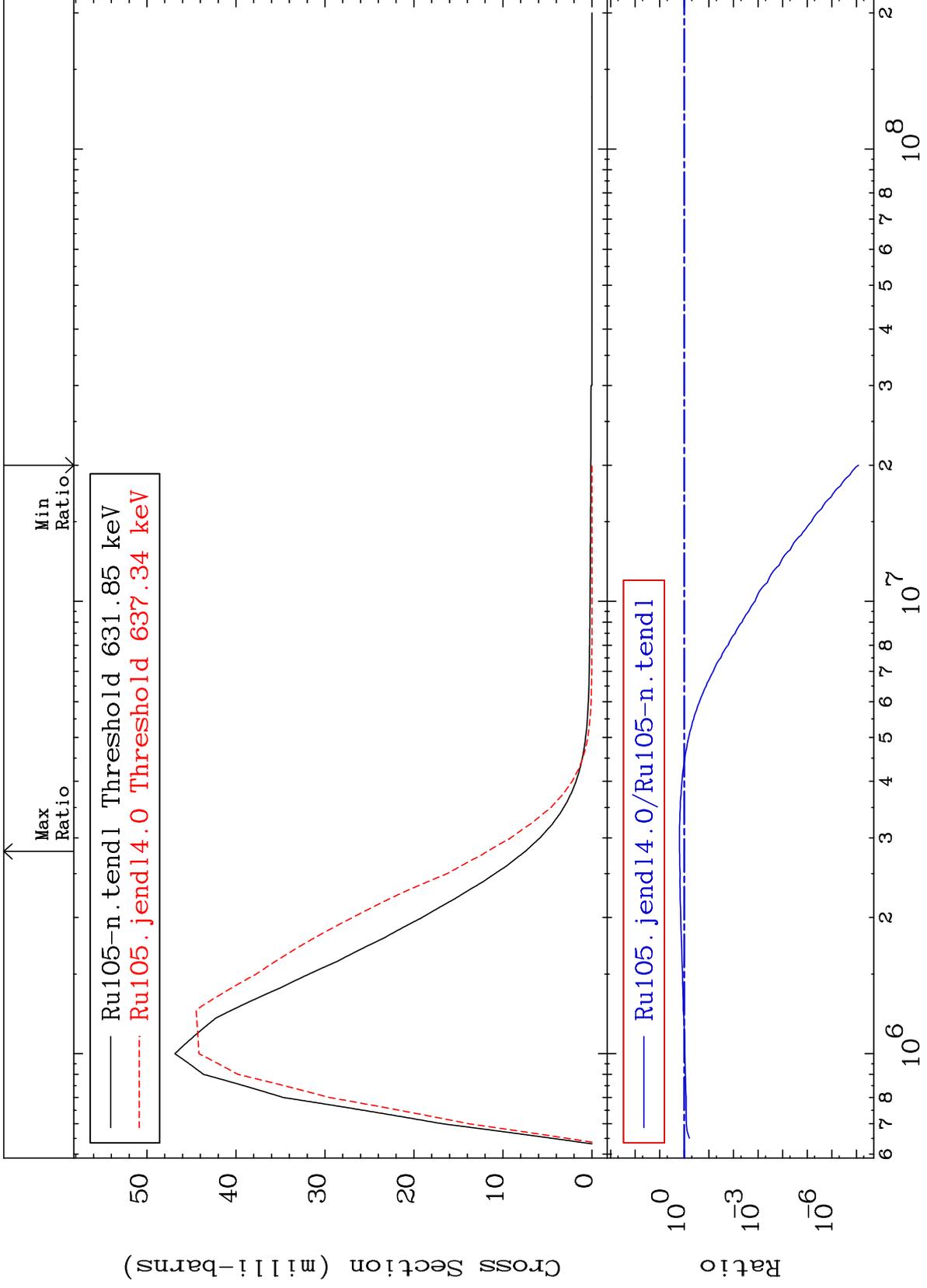
44-Ru-105  
-100.0 To 151.7 %



MAT 4452

625.8 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 56.96 %



27

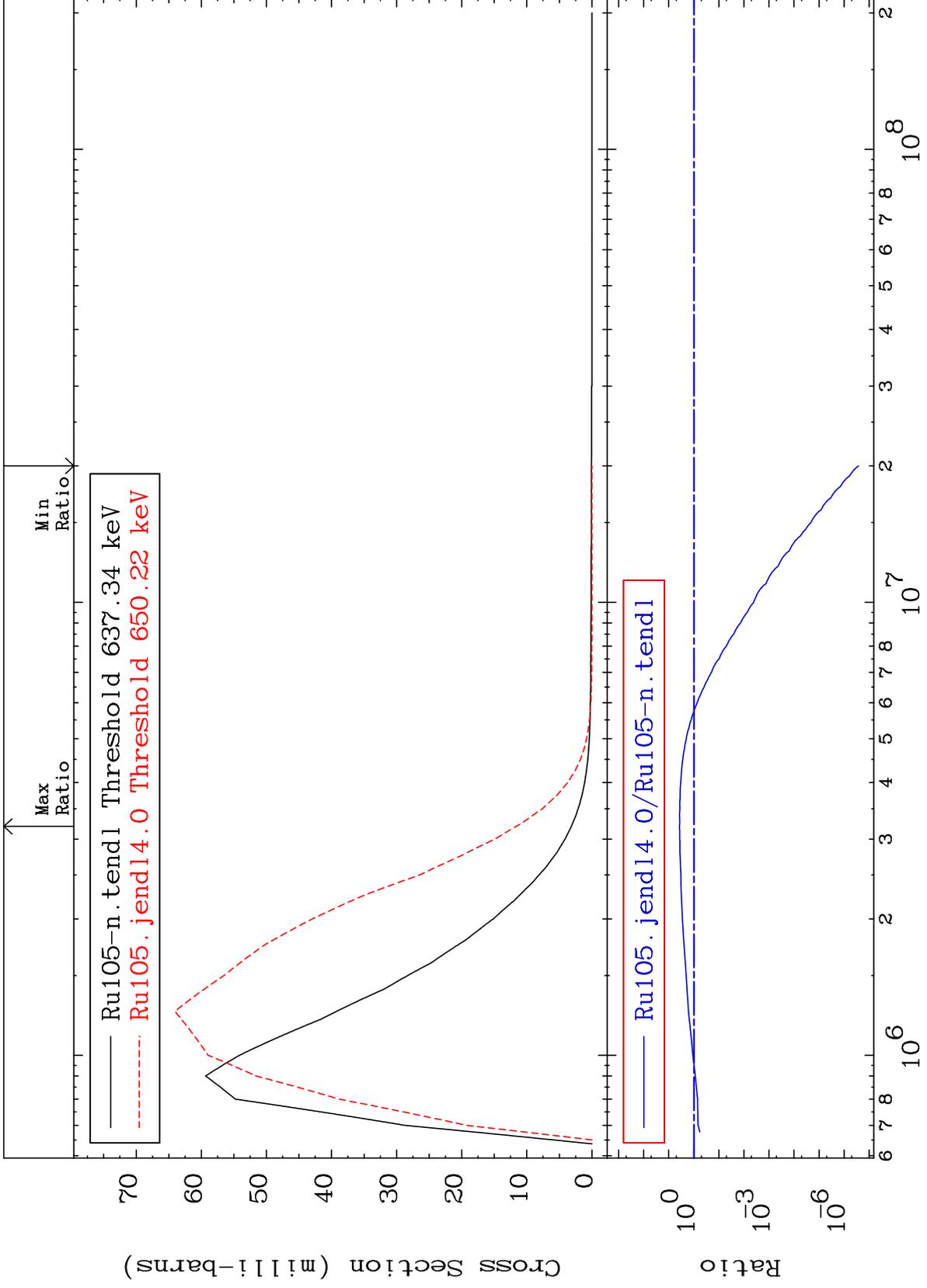
Incident Energy (eV)

44-Ru-105

MAT 4452

631.3 keV (n,n') Level  
Cross Section

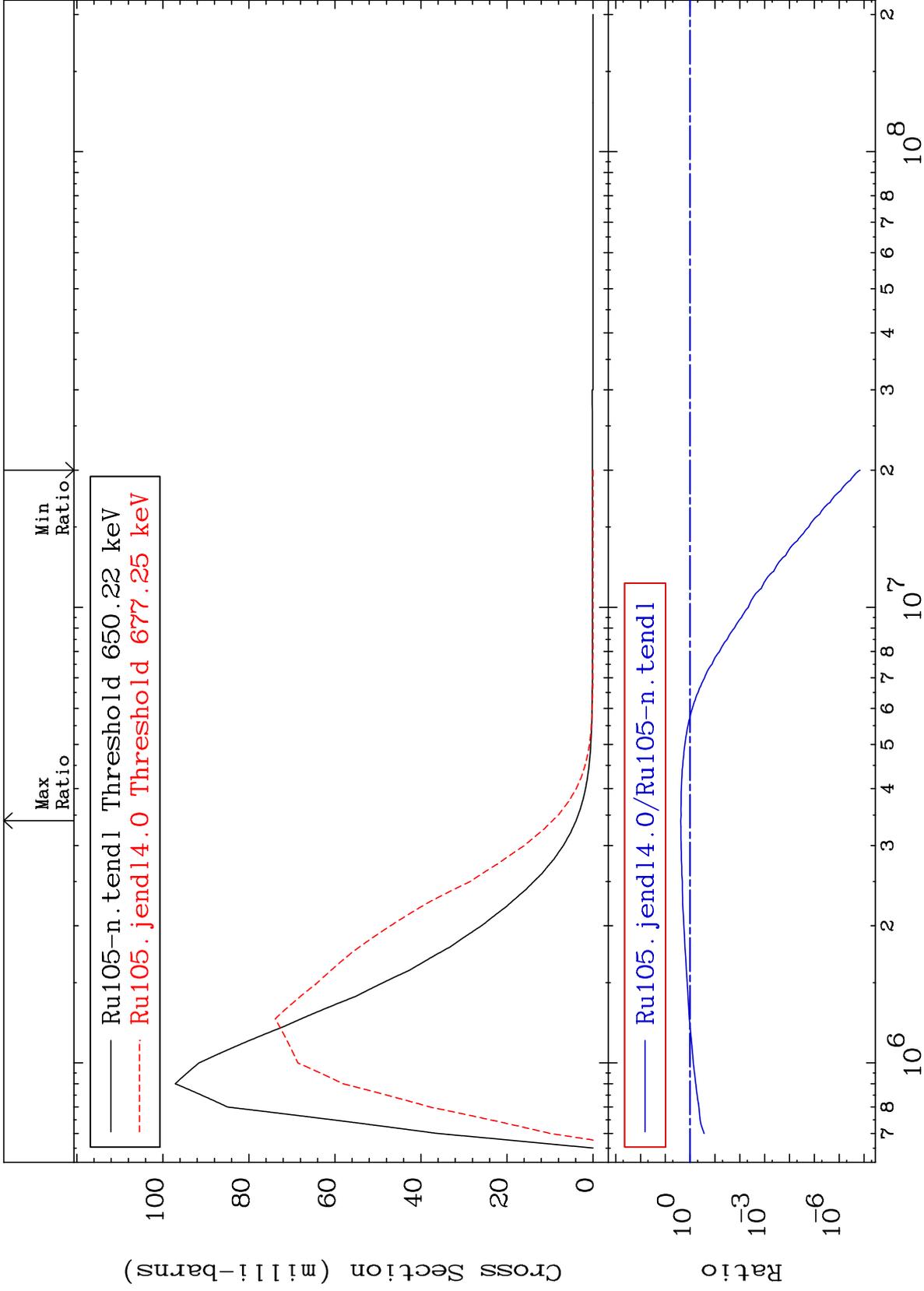
44-Ru-105  
-100.0 To 270.6 %



MAT 4452

644.0 keV (n,n') Level  
Cross Section

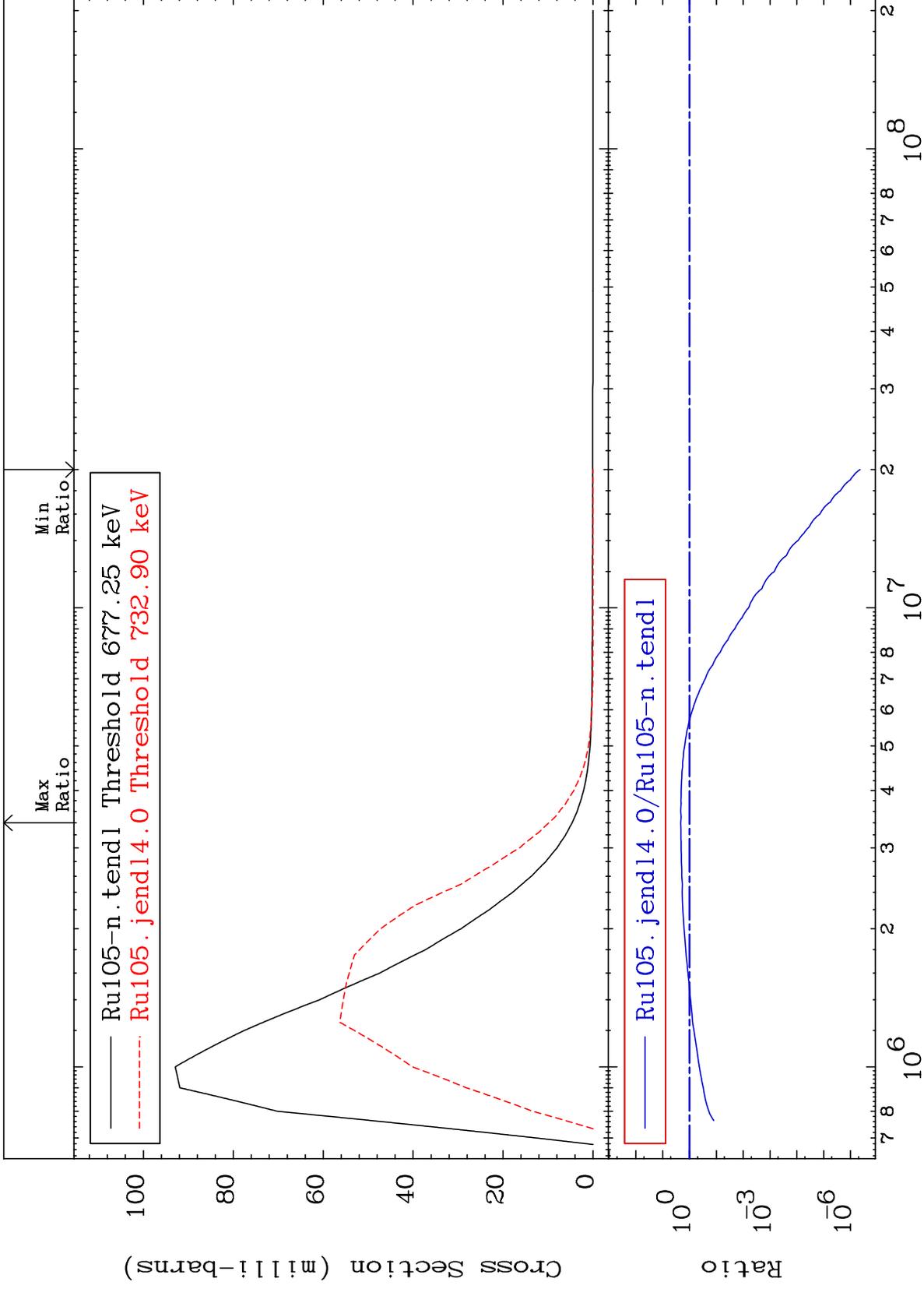
44-Ru-105  
-100.0 To 139.9 %



MAT 4452

670.8 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 112.3 %



30

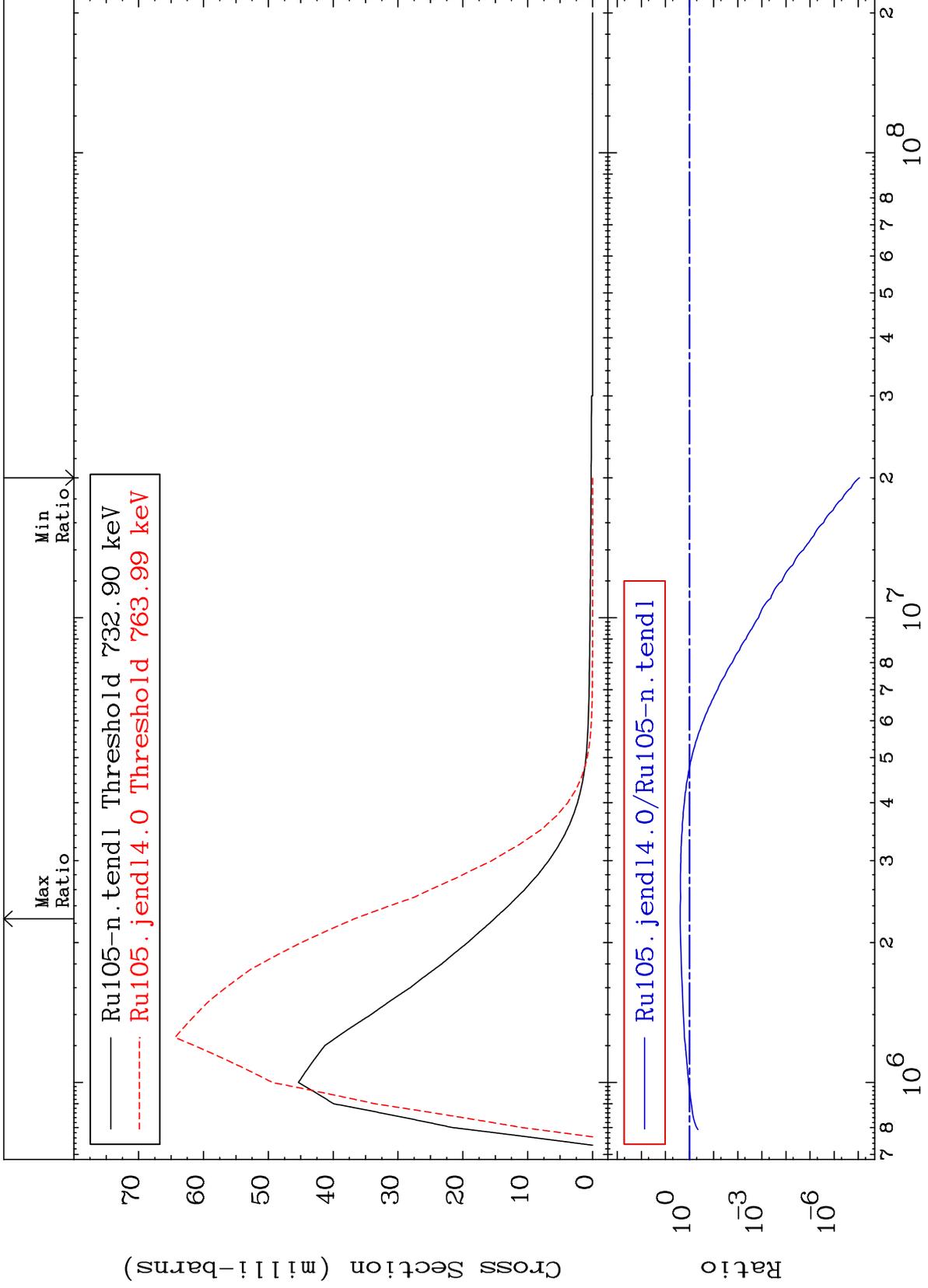
Incident Energy (eV)

44-Ru-105

MAT 4452

725.9 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 142.3 %



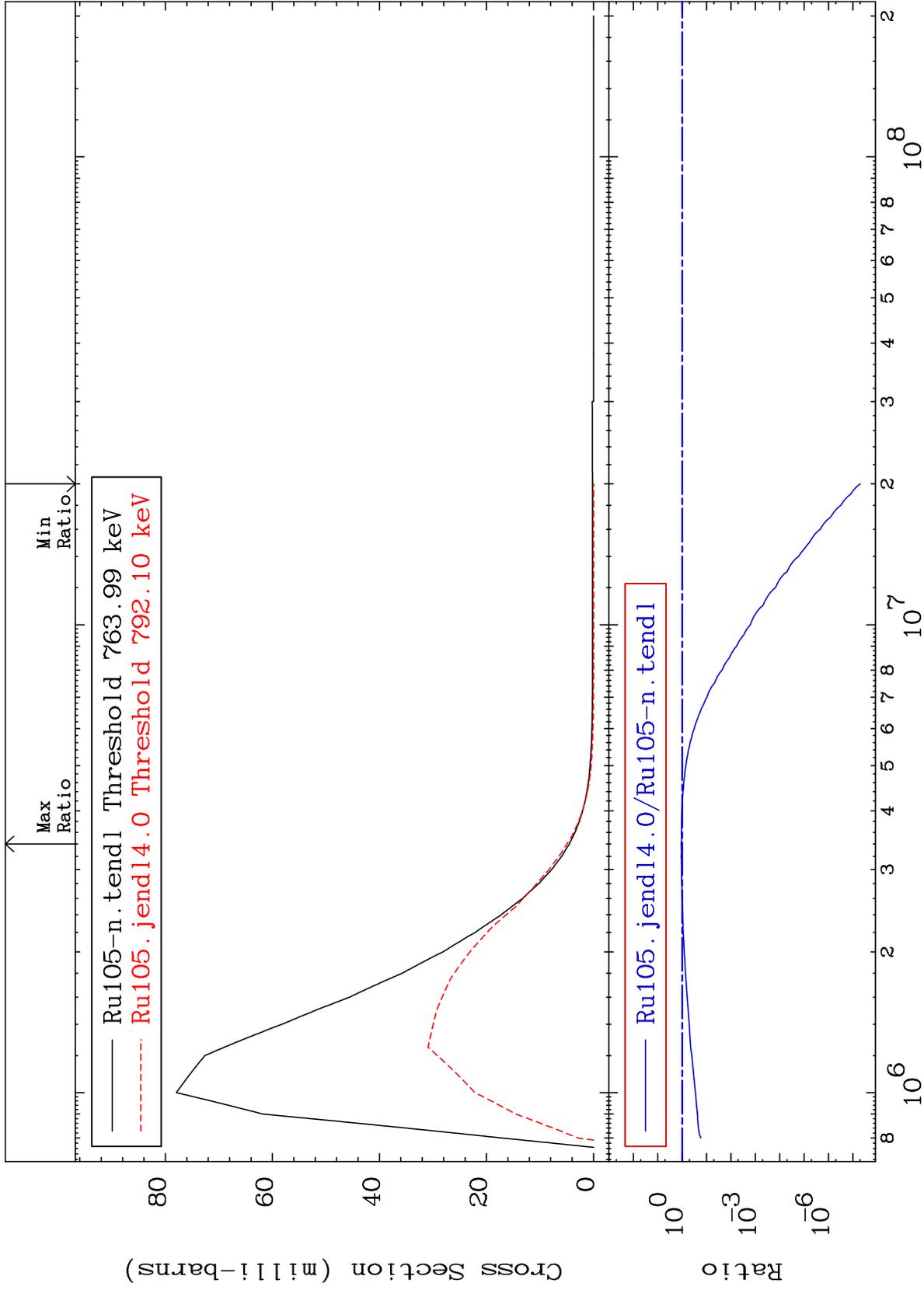
MAT 4452

756.7 keV (n,n') Level

44-Ru-105

-100.0 To 9.459 %

Cross Section



32

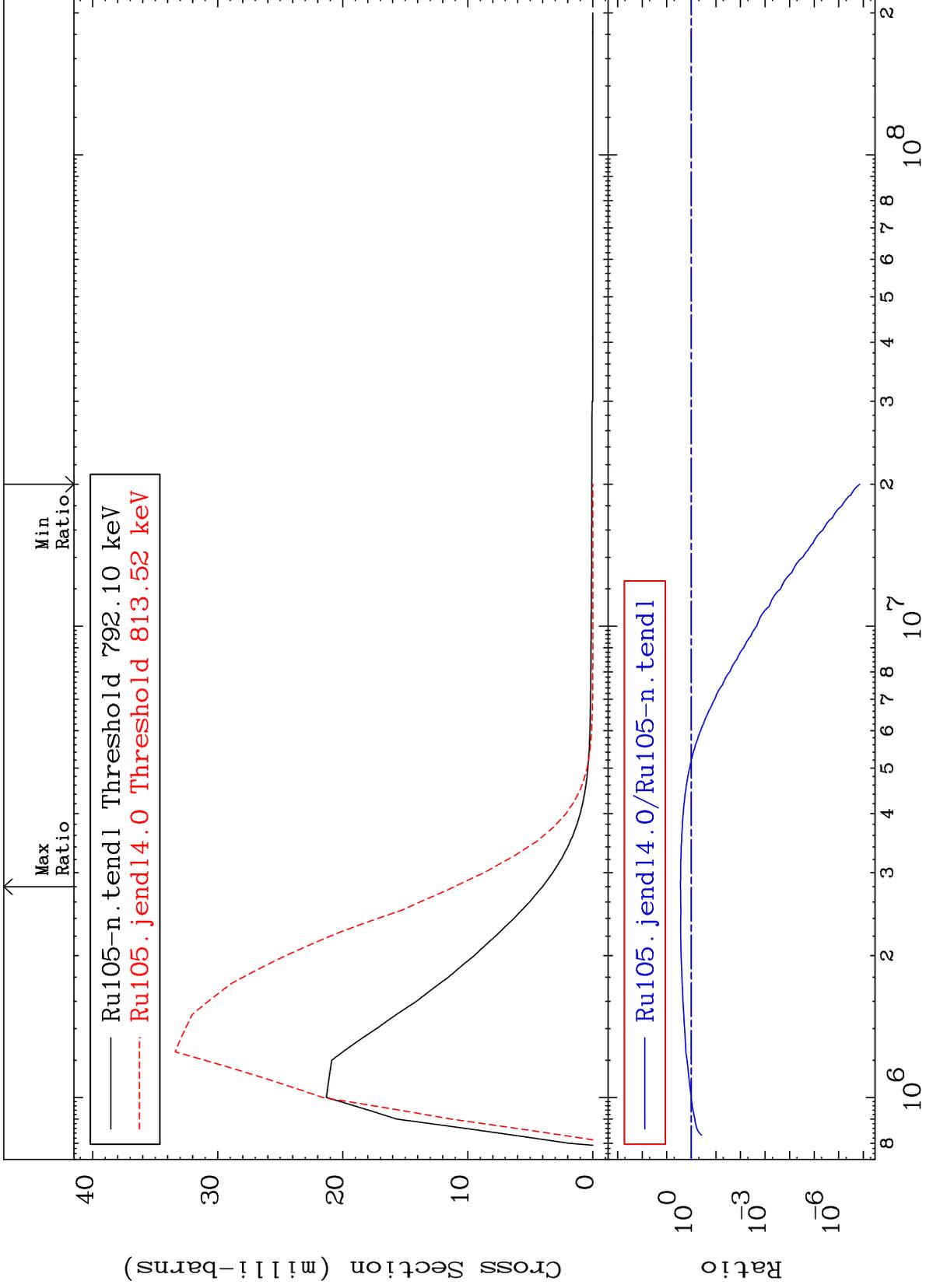
Incident Energy (eV)

44-Ru-105

MAT 4452

784.6 keV (n,n') Level  
Cross Section

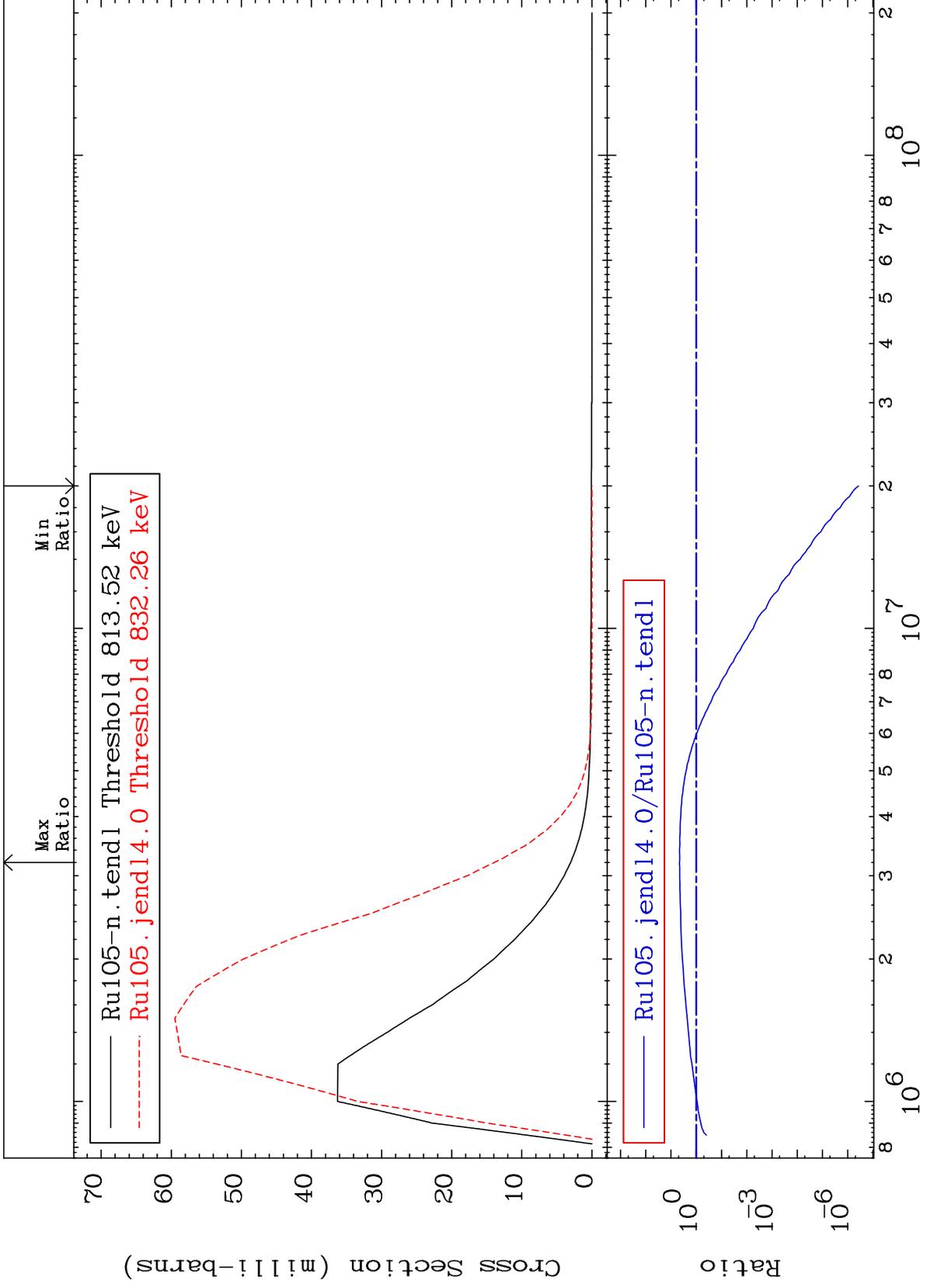
44-Ru-105  
-100.0 To 175.7 %



MAT 4452

805.8 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 359.4 %



34

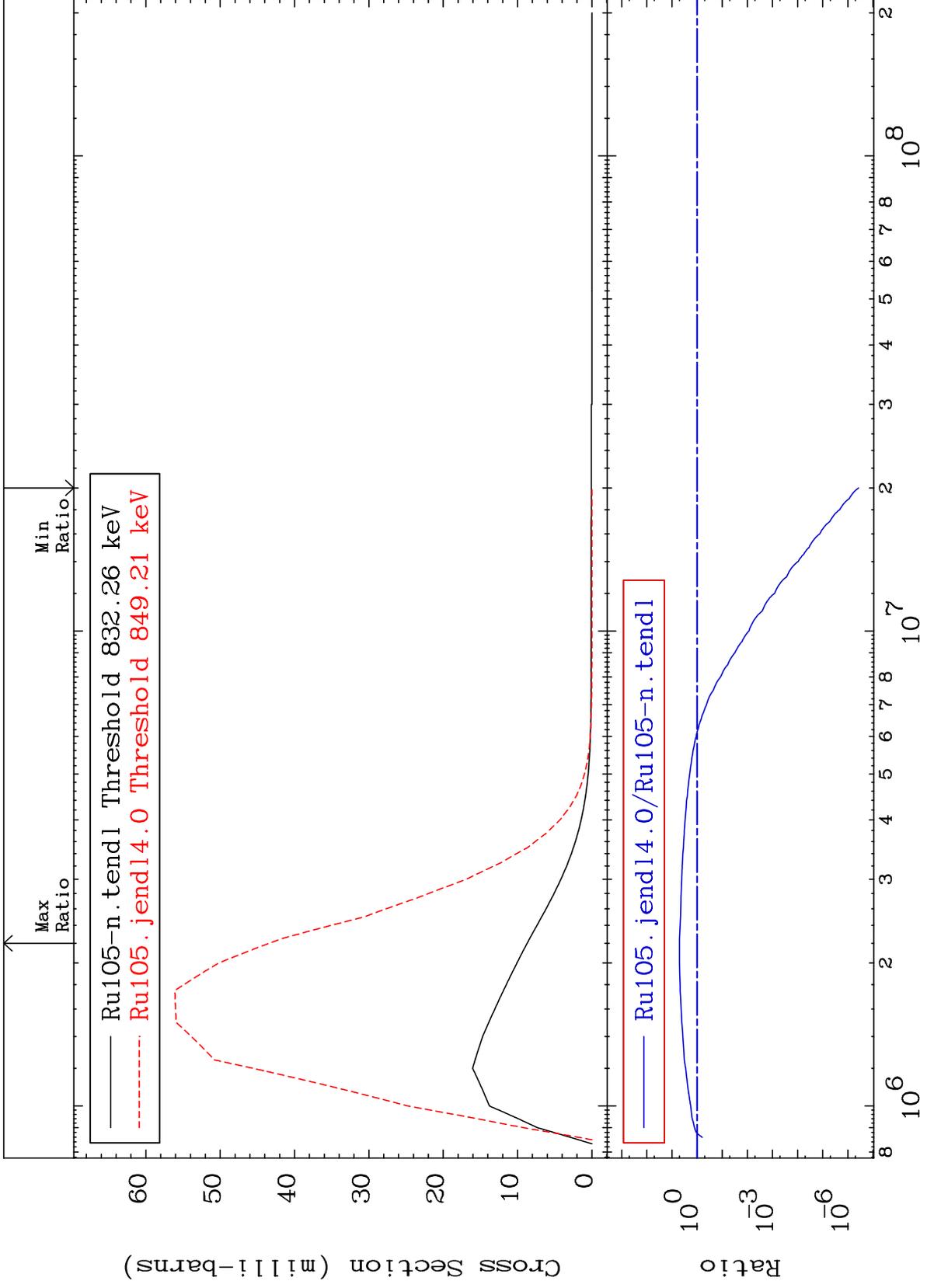
Incident Energy (eV)

44-Ru-105

MAT 4452

824.3 keV (n,n') Level  
Cross Section

44-Ru-105  
-100.0 To 398.5 %



35

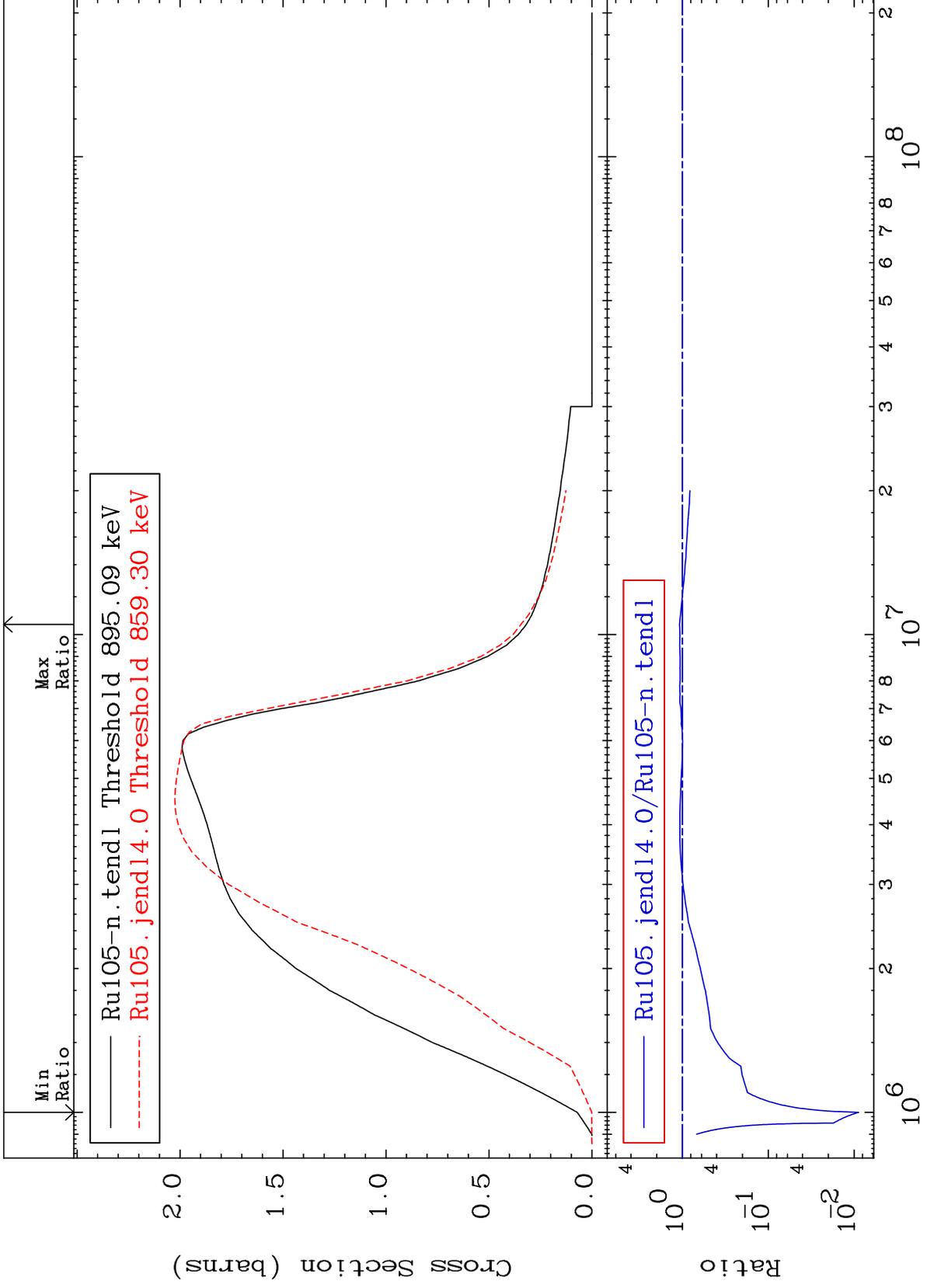
Incident Energy (eV)

44-Ru-105

MAT 4452

(n, n') Continuum  
Cross Section

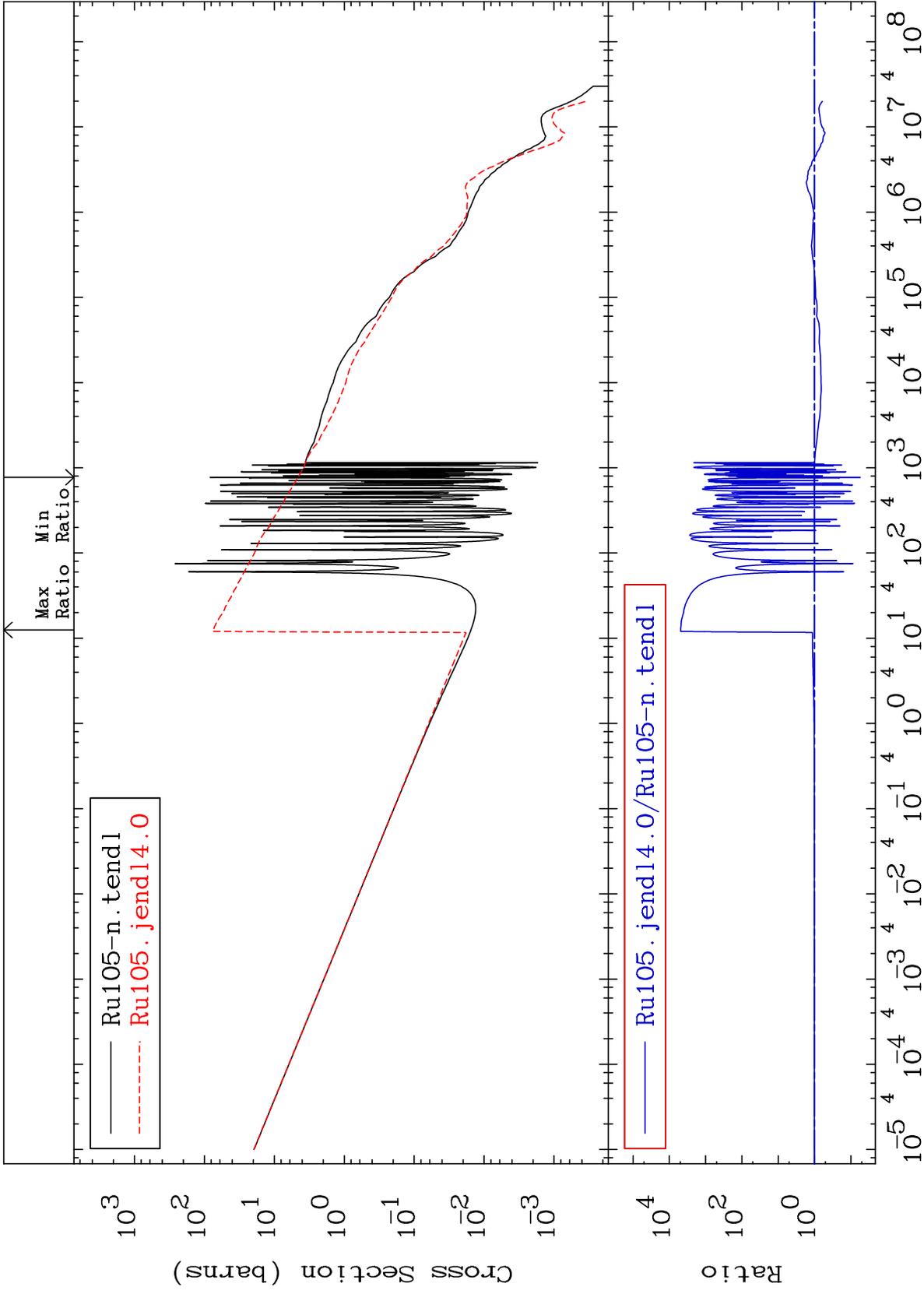
44-Ru-105  
-99.11 To 8.300 %



MAT 4452

(n,  $\gamma$ )  
Cross Section

44-Ru-105  
-94.45 To 9999. %

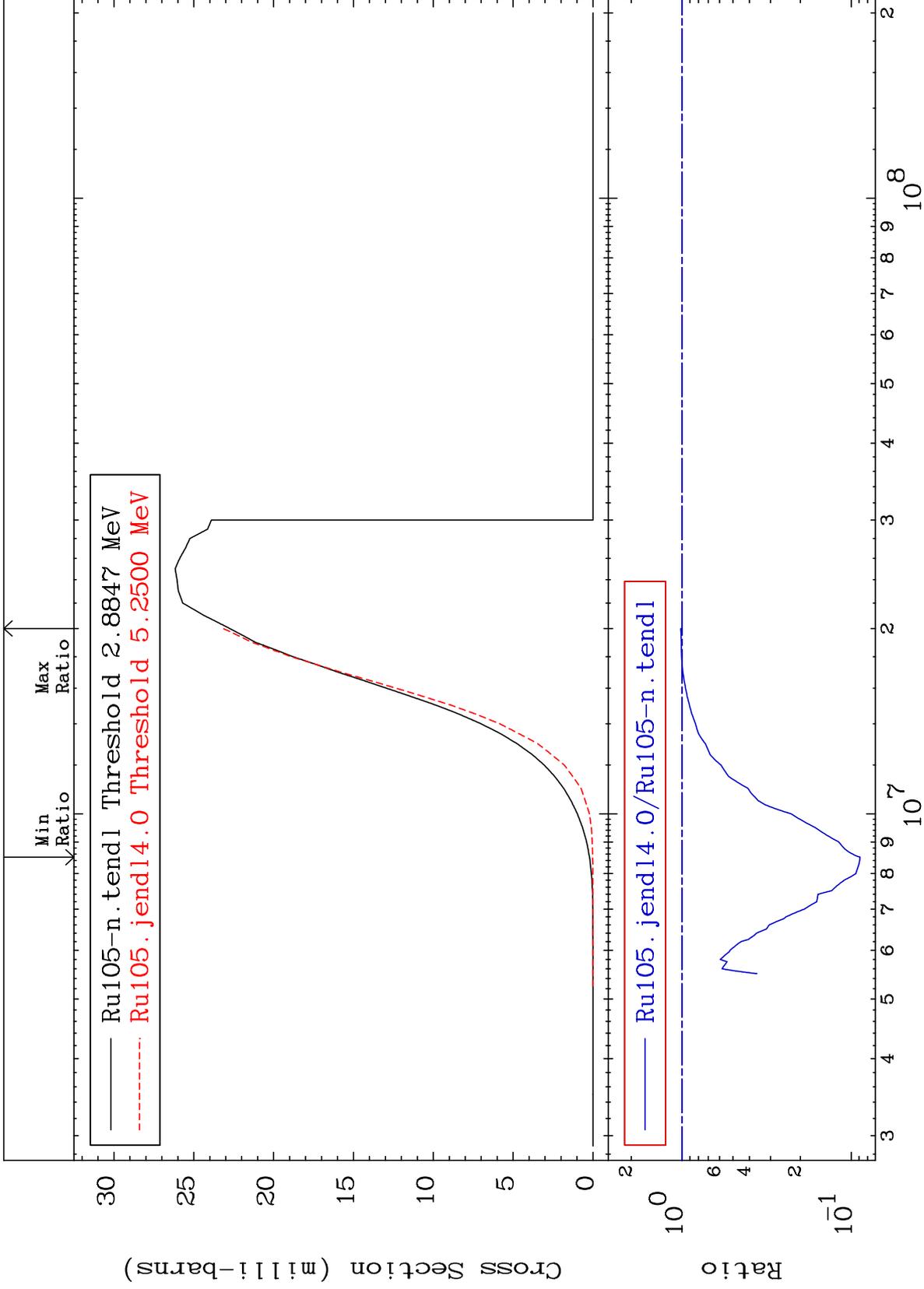


MAT 4452

44-Ru-105

-91.14 To 1.784 %

(n,p)  
Cross Section



38

44-Ru-105

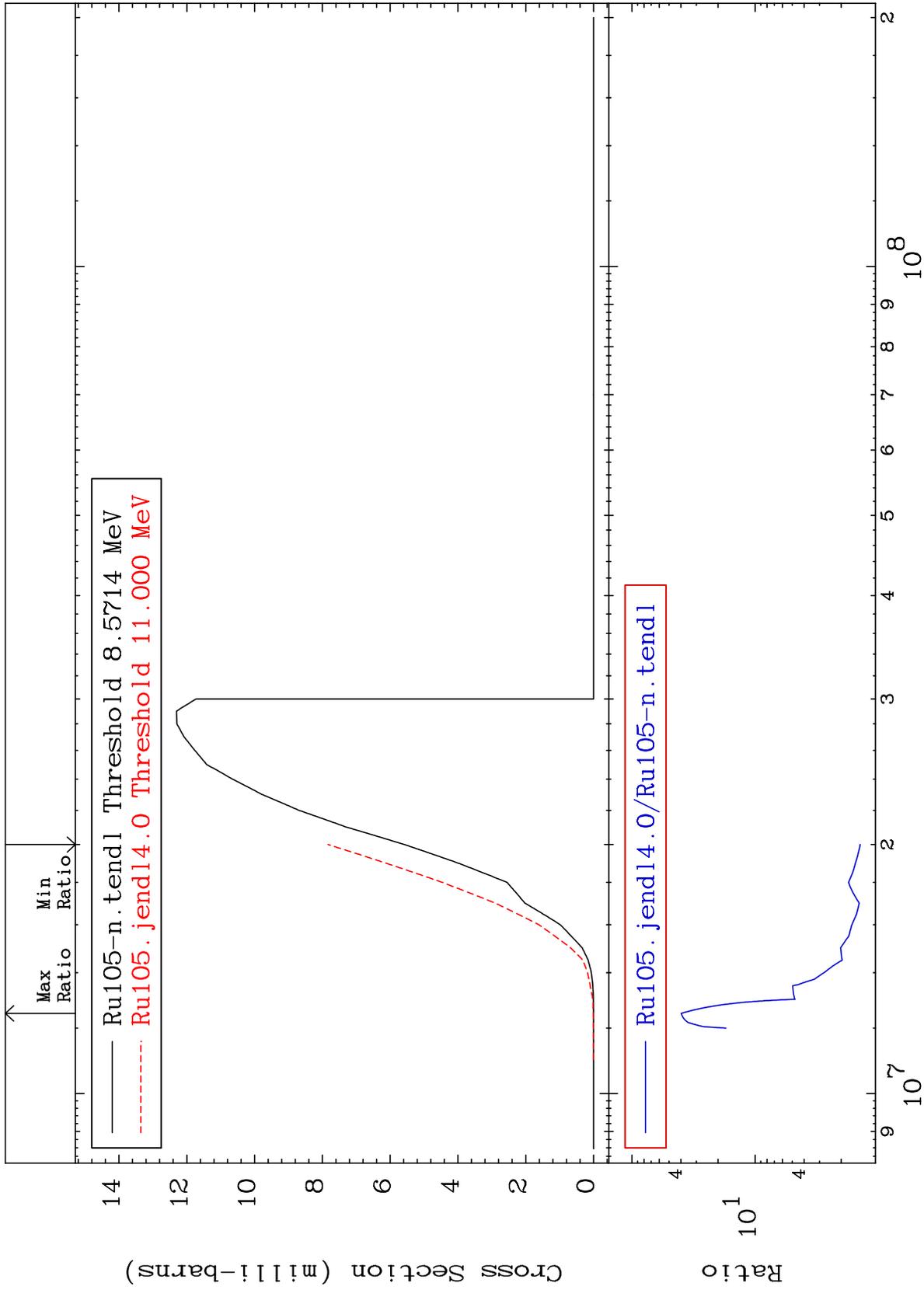
MAT 4452

(n, d)

44-Ru-105

Cross Section

40.43 To 3888. %



39

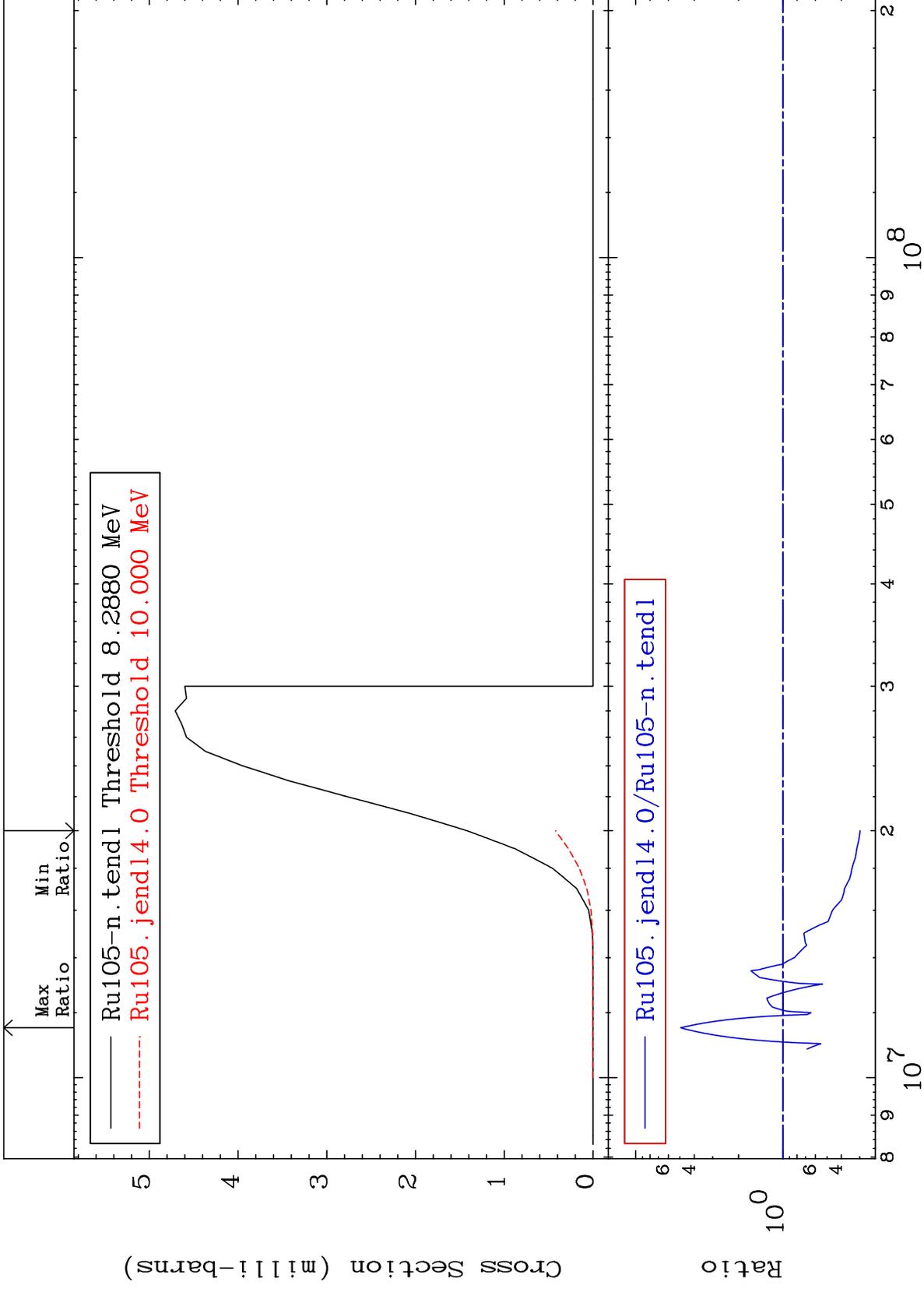
Incident Energy (eV)

44-Ru-105

MAT 4452

(n, t)  
Cross Section

44-Ru-105  
-70.20 To 393.8 %

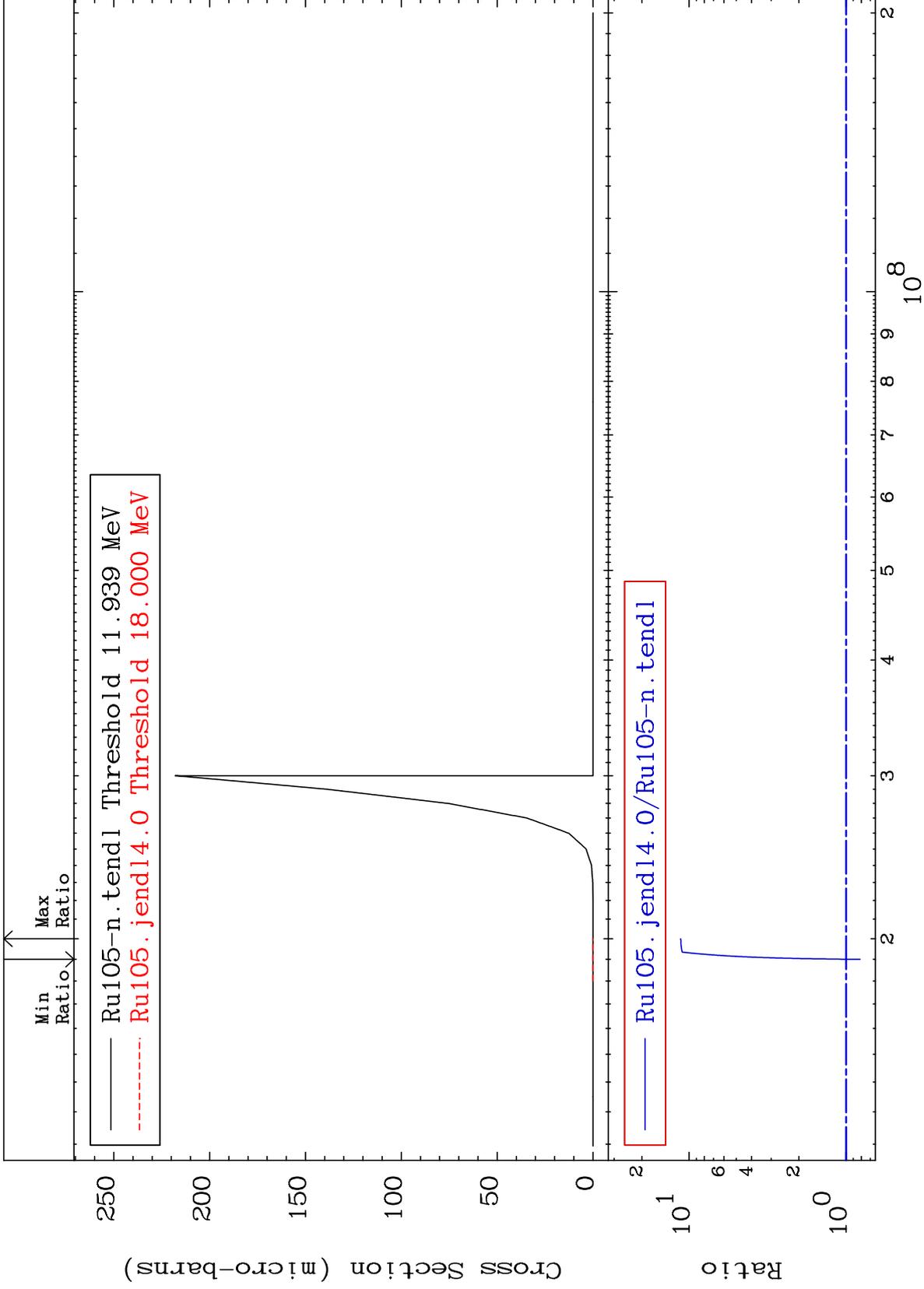


40

44-Ru-105

Cross Section

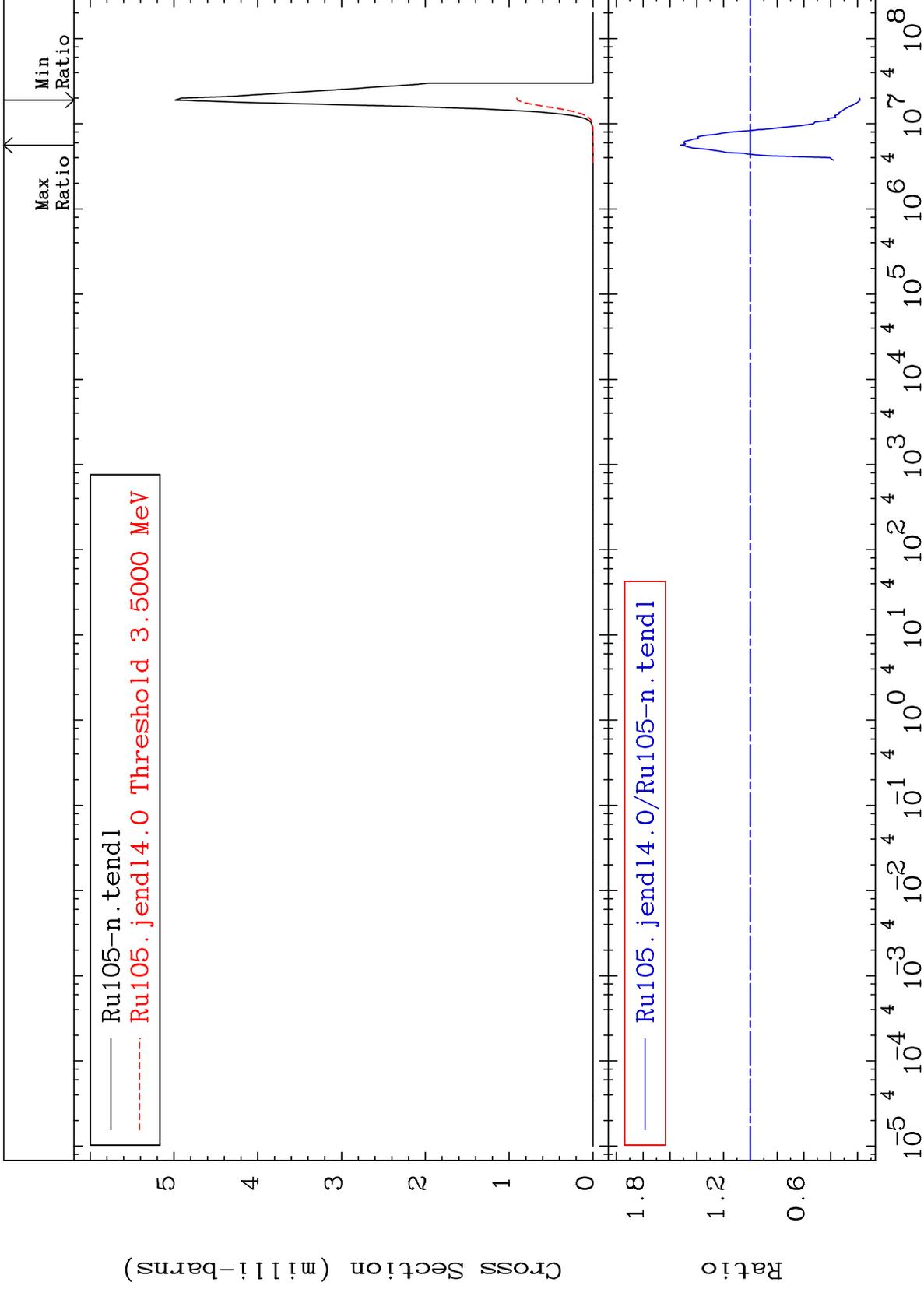
-18.55 To 1030. %



MAT 4452

(n,  $\alpha$ )  
Cross Section

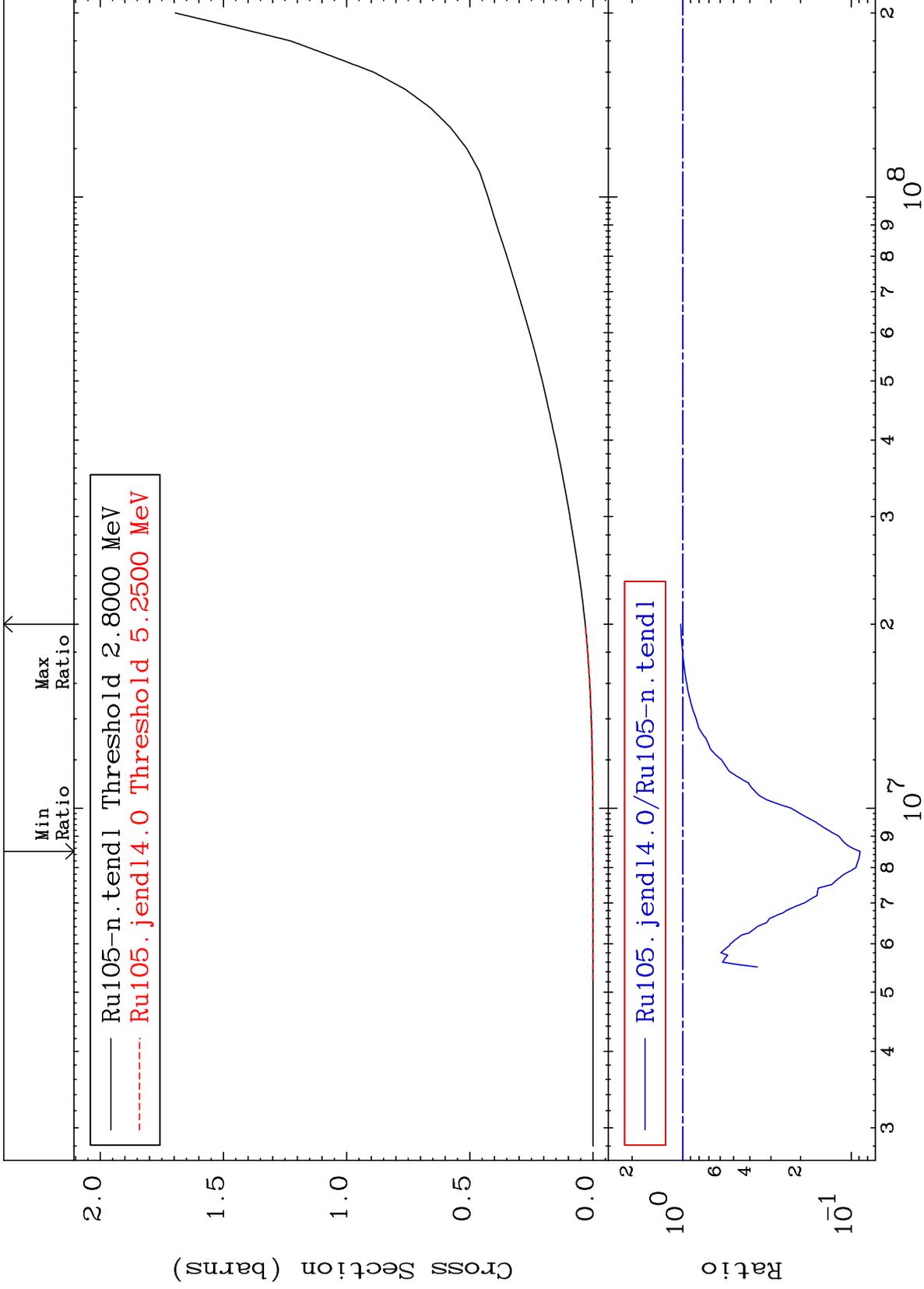
44-Ru-105  
-81.92 To 51.94 %



42

Incident Energy (eV)

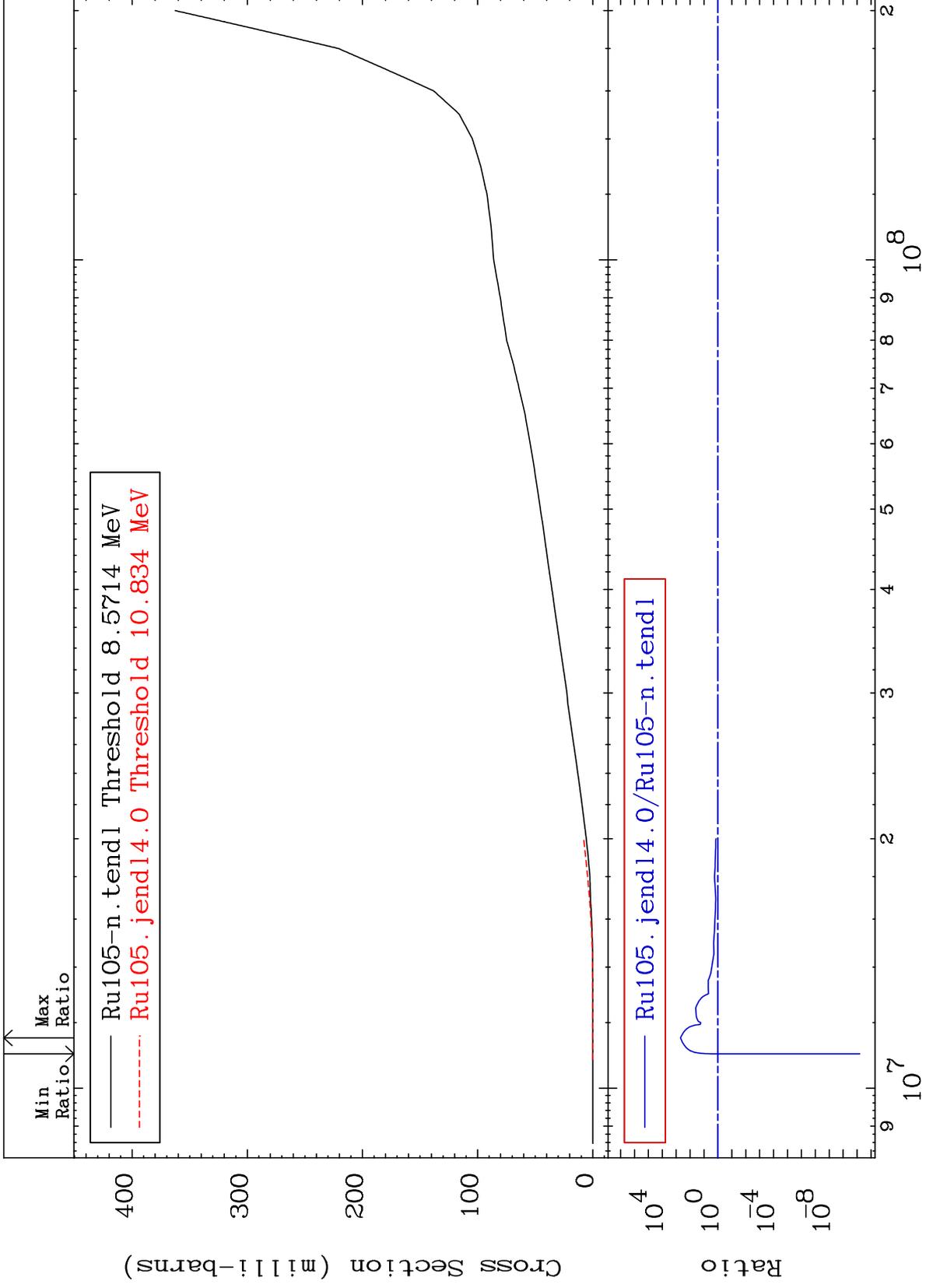
44-Ru-105



MAT 4452

Deuterium Production  
Cross Section

44-Ru-105  
-100.0 To 9999. %



44

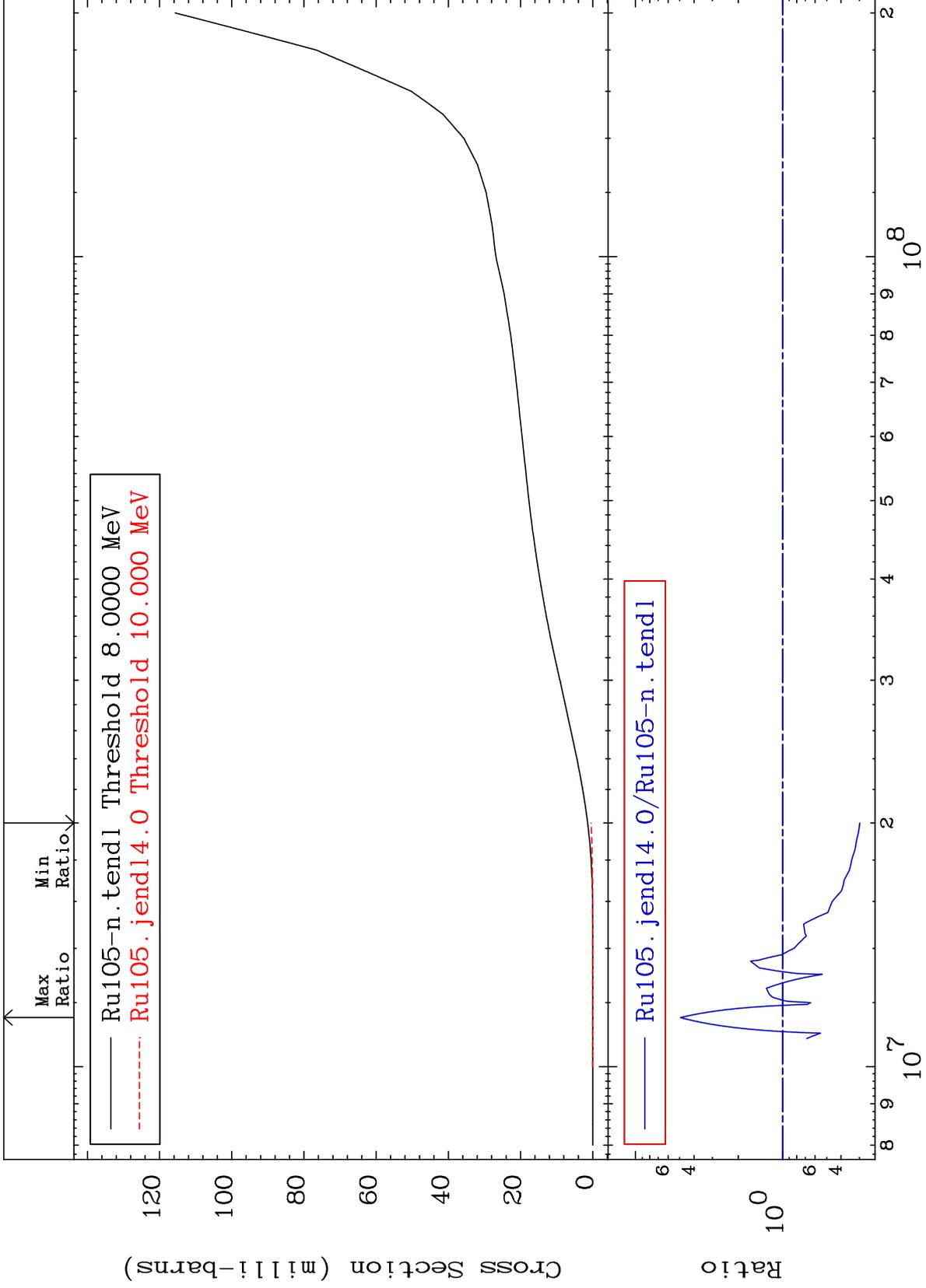
Incident Energy (eV)

44-Ru-105

MAT 4452

Tritium Production  
Cross Section

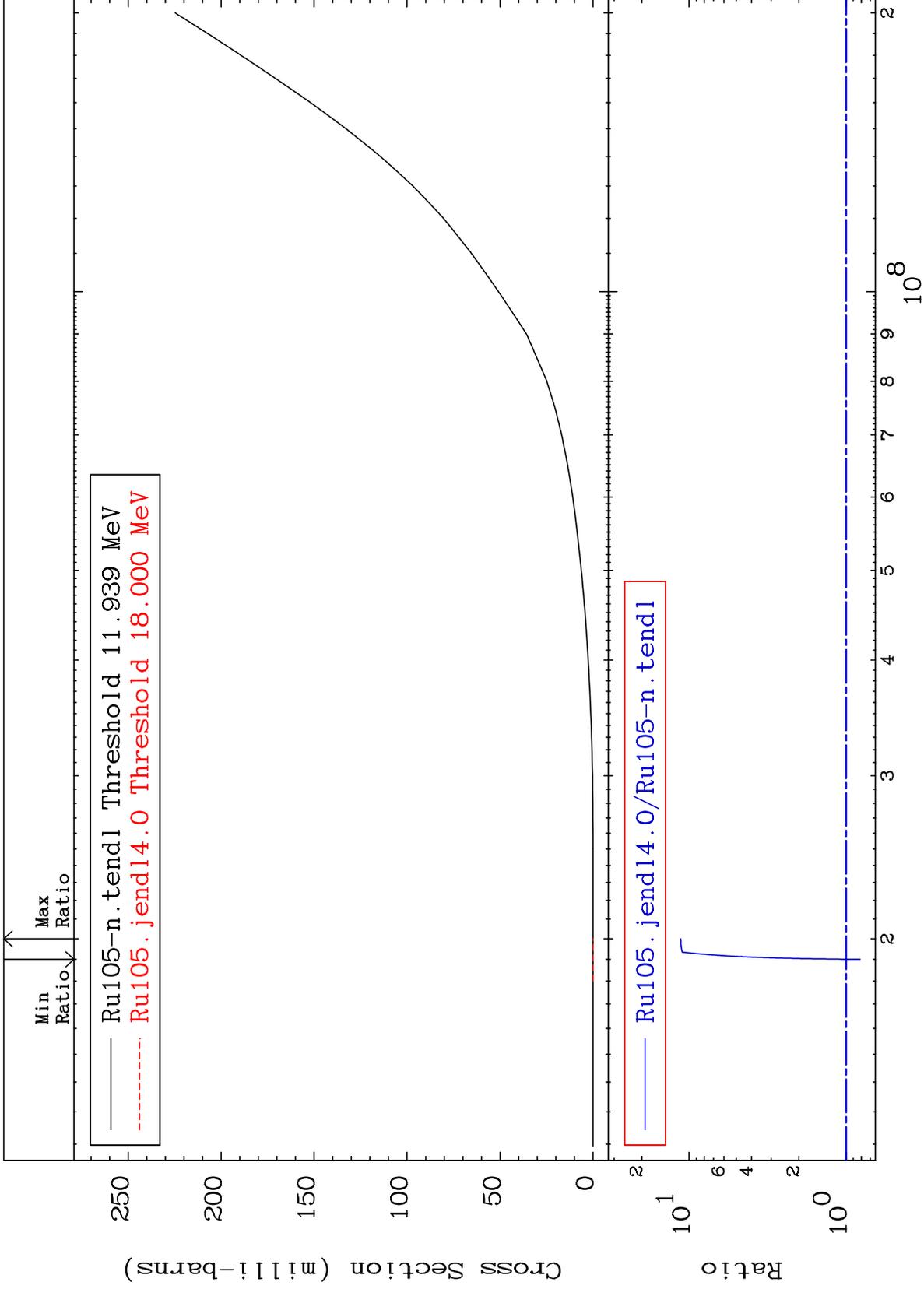
44-Ru-105  
-70.20 To 393.8 %



45

Incident Energy (eV)

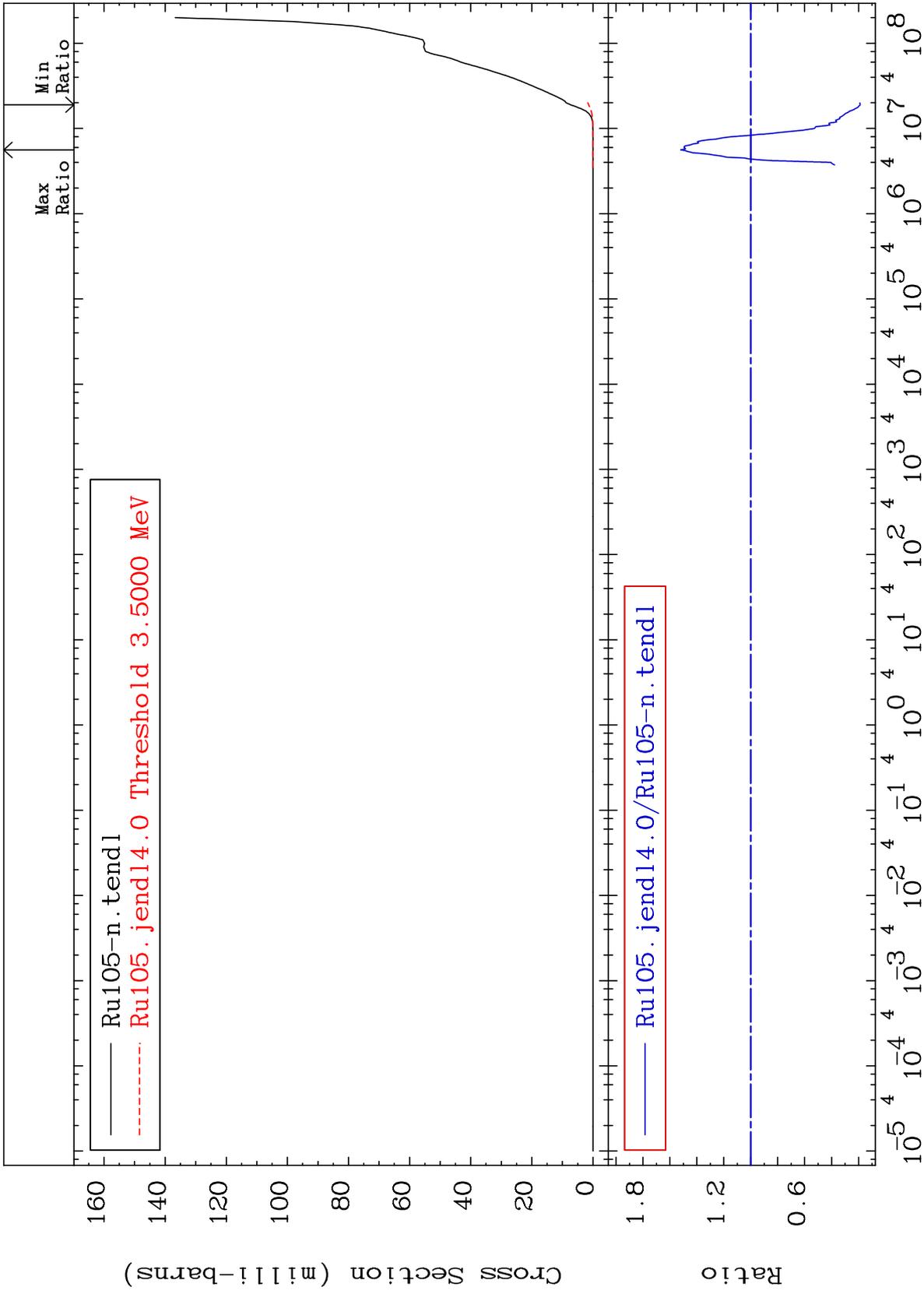
44-Ru-105



MAT 4452

He-4 Production  
Cross Section

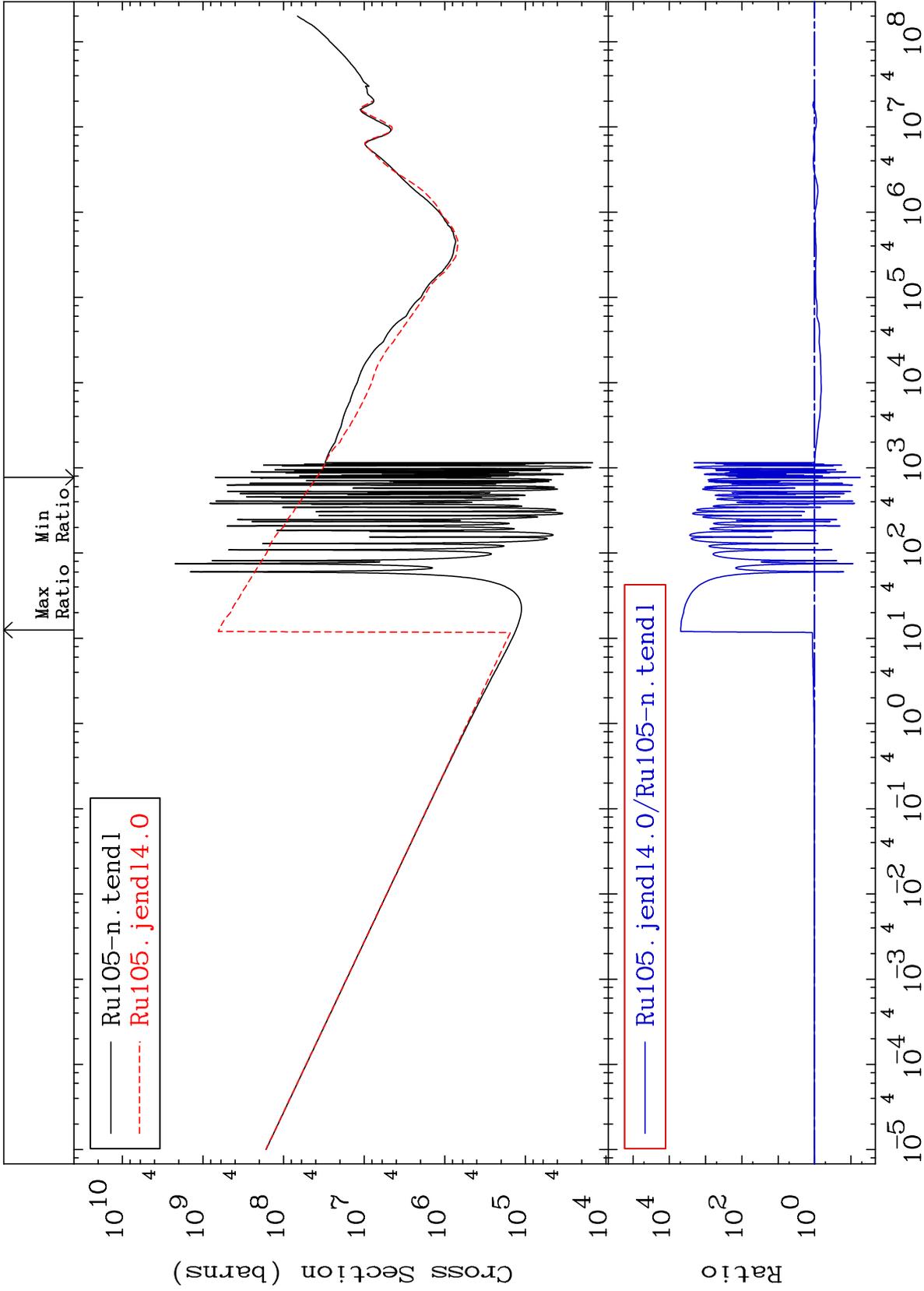
44-Ru-105  
-81.15 To 51.94 %



47

Incident Energy (eV)

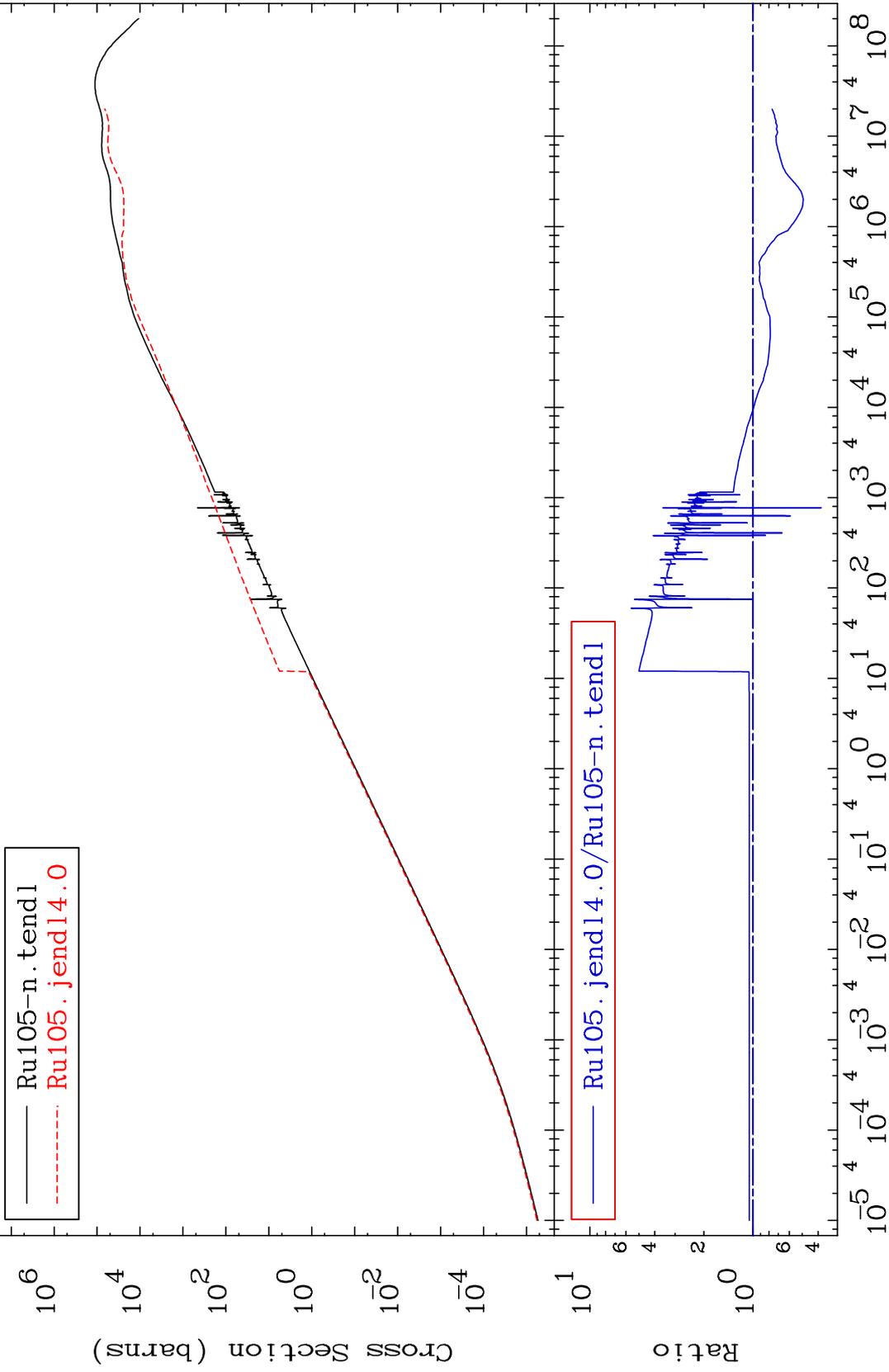
44-Ru-105

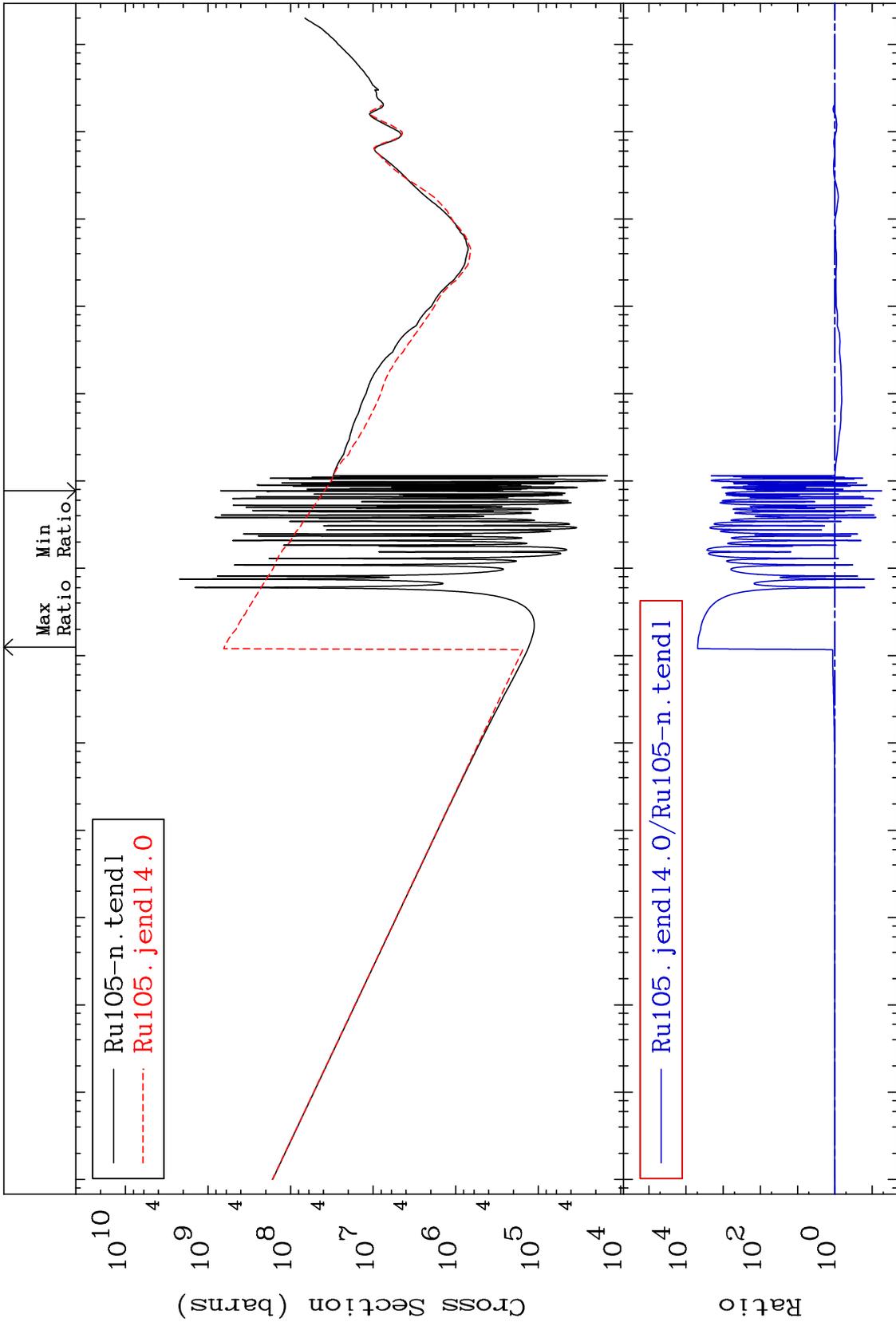


MAT 4452

Kerma elastic  
Cross Section

44-Ru-105  
-61.77 To 458.4 %

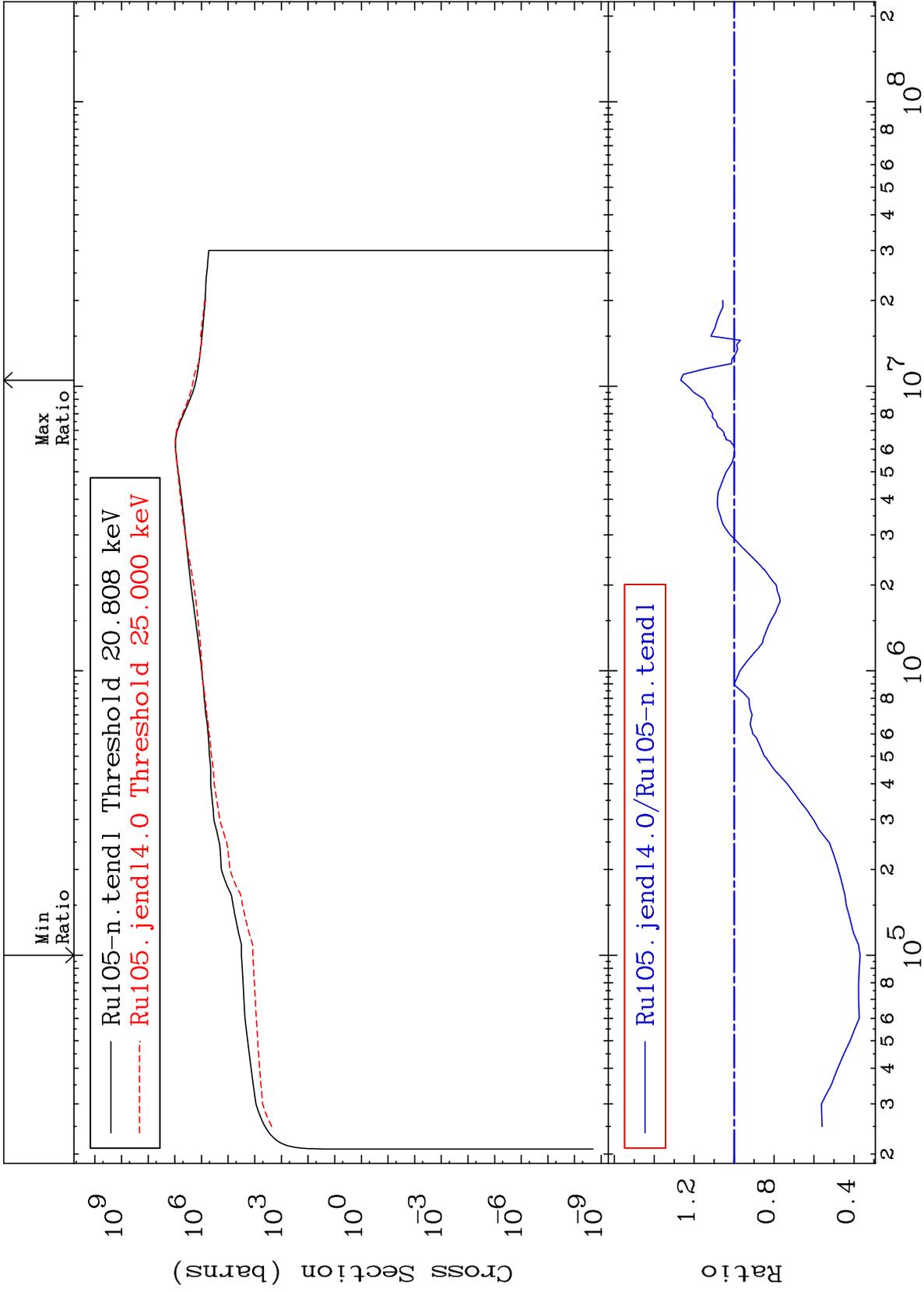




MAT 4452

Kerma inelastic (mt51-91)  
Cross Section

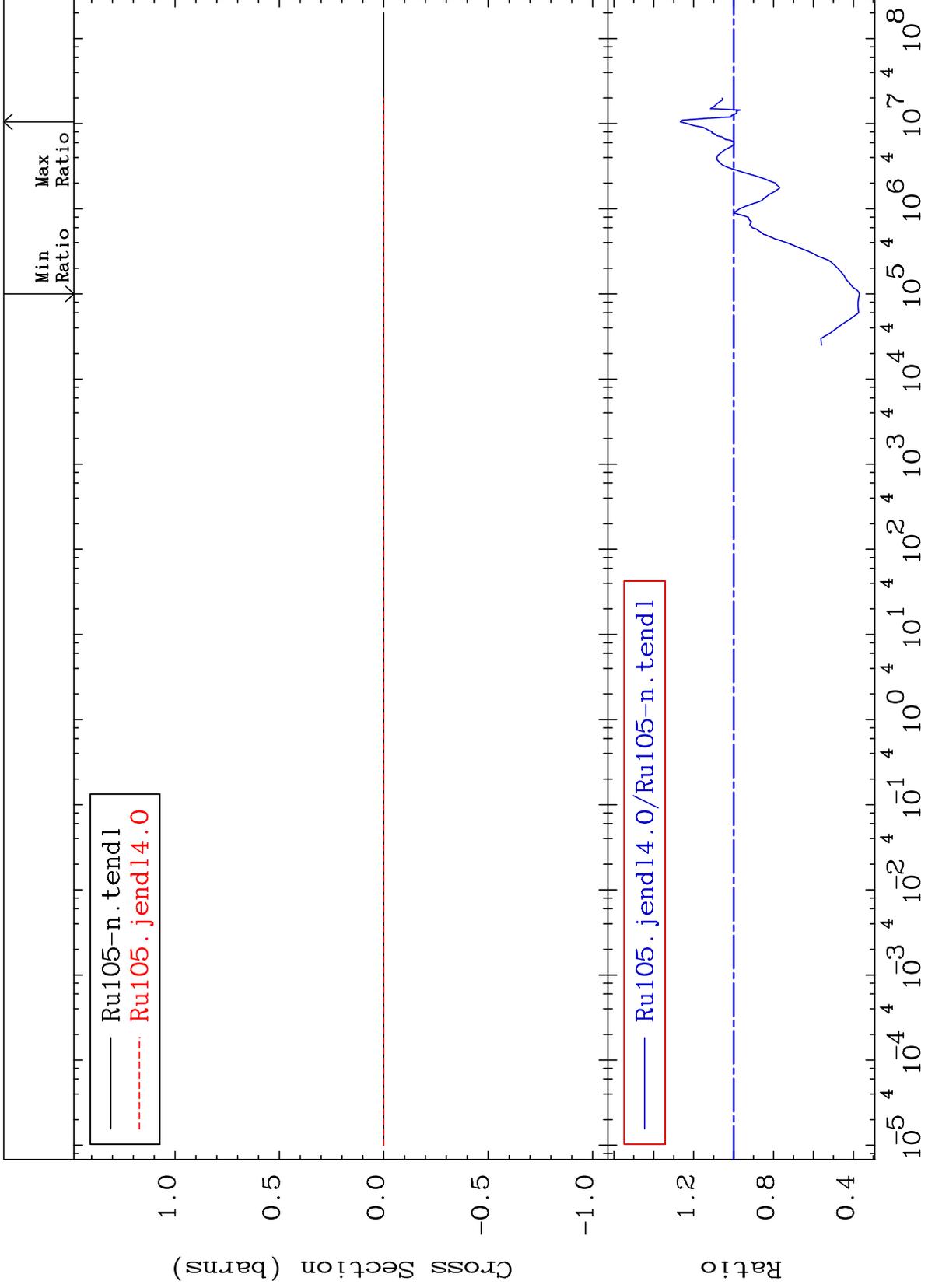
44-Ru-105  
-63.08 To 26.70 %

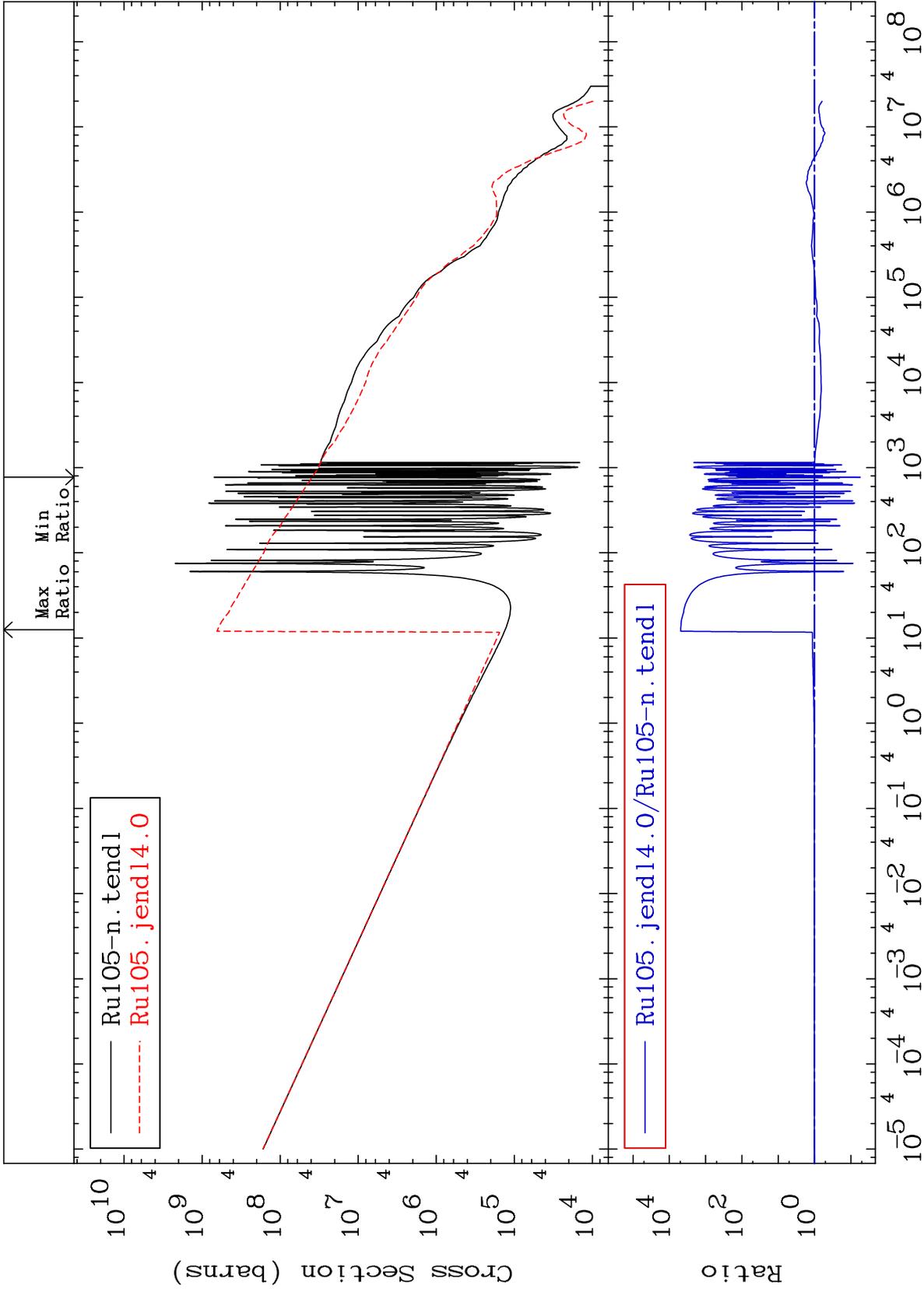


MAT 4452

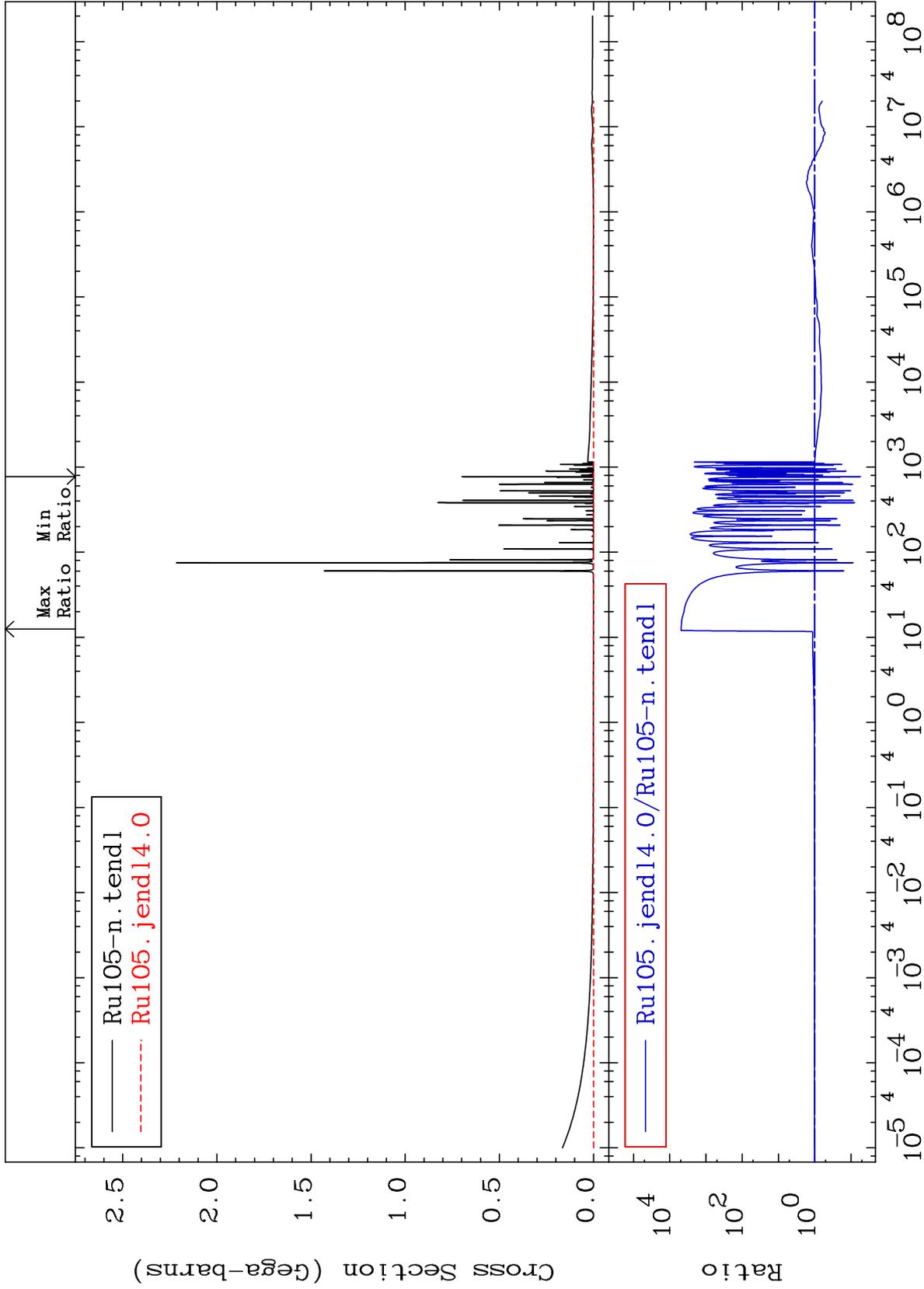
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

44-Ru-105  
-63.08 To 26.70 %



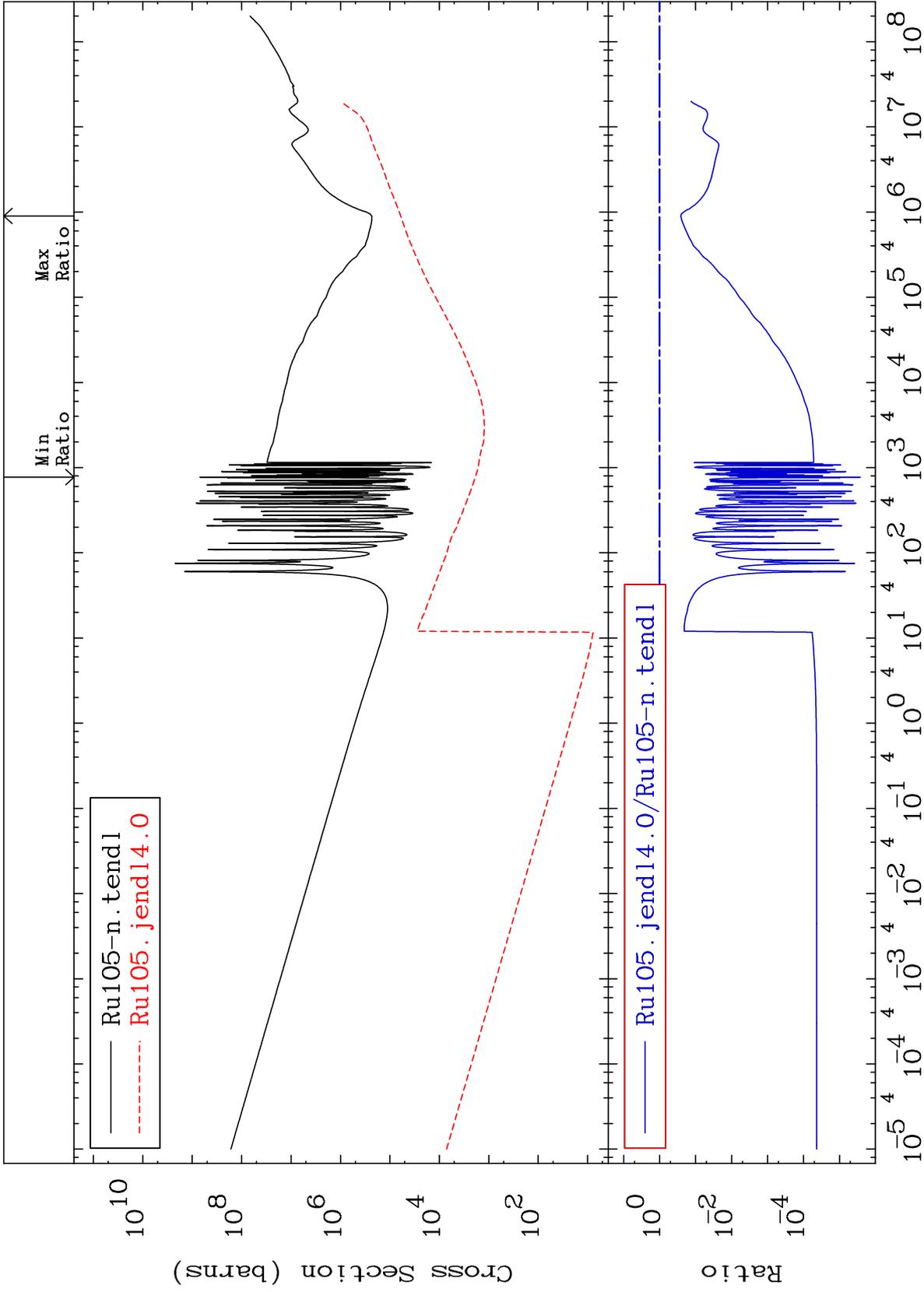


Cross Section



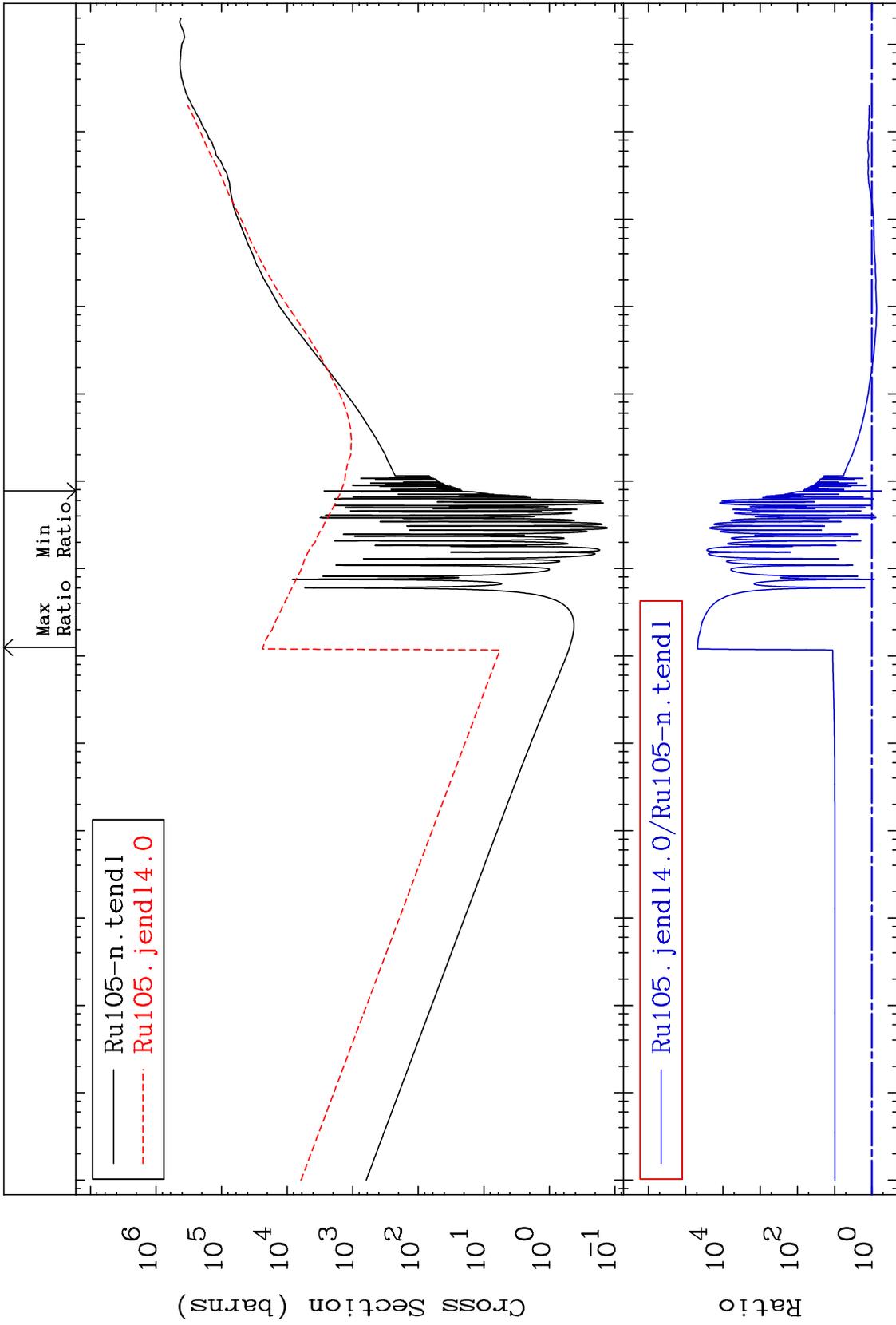
Cross Section

-100.0 To -74.09%



Cross Section

-45.05 To 9999. %



— Ru105-n.tendl  
- - - Ru105.jendl4.0

— Ru105.jendl4.0/Ru105-n.tendl

Incident Energy (eV)

MAT 4452

Dpa elastic (mt2)  
Cross Section

44-Ru-105  
-62.57 To 248.2 %

