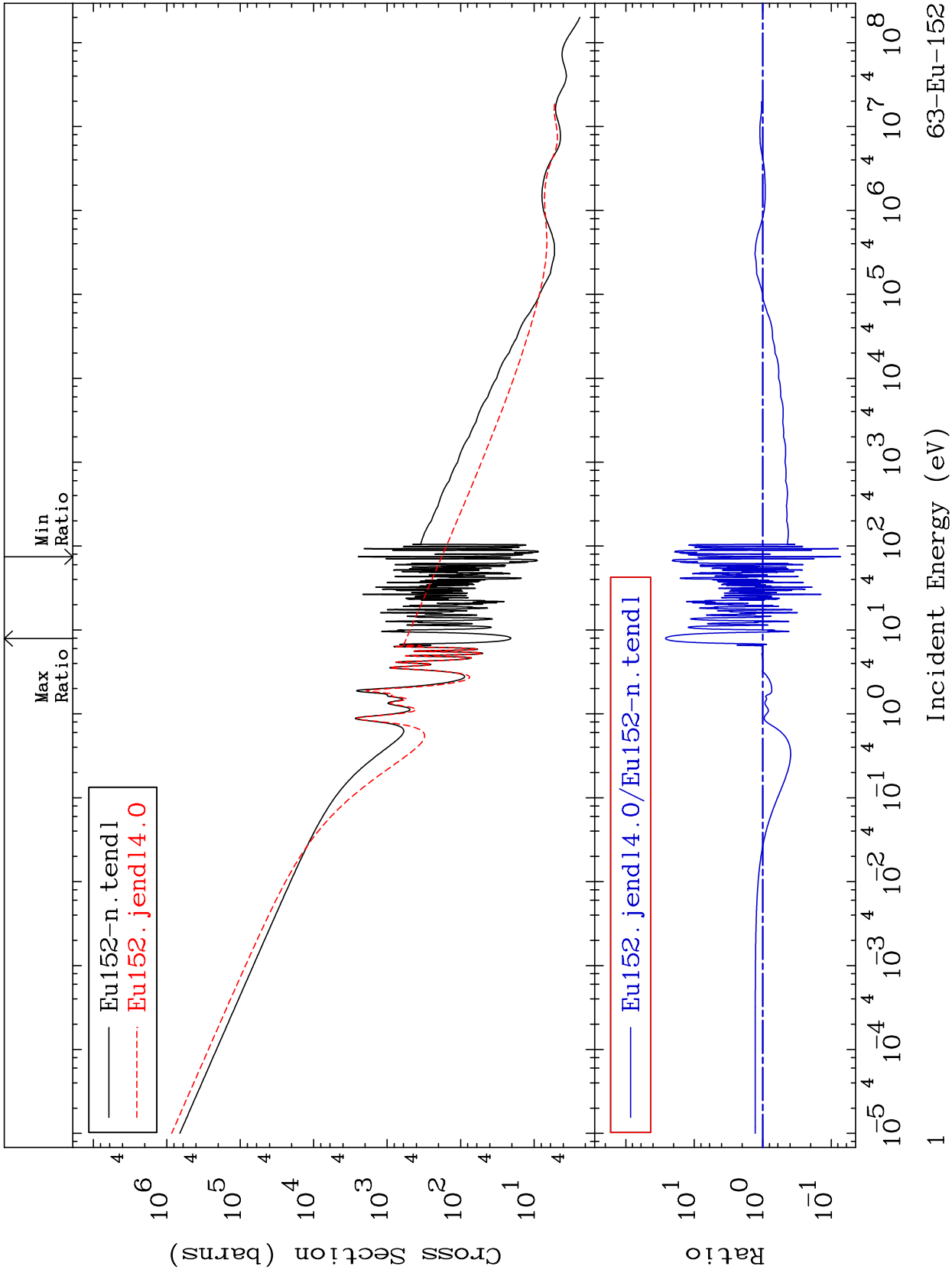


MAT 6328

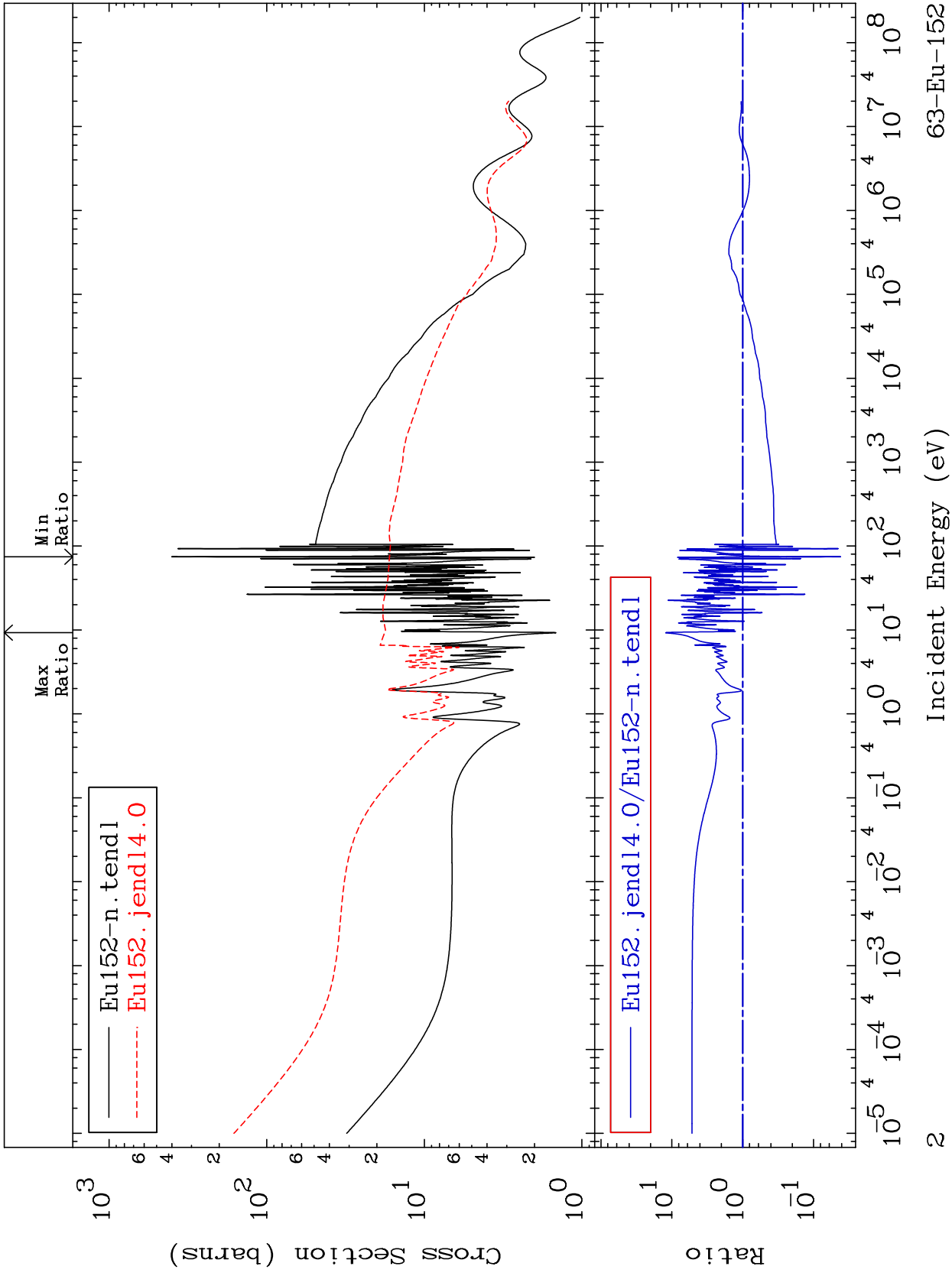
63-Eu-152  
-92.73 To 2533. %

Total  
Cross Section



MAT 6328

Elastic Cross Section  
63-Eu-152  
-95.85 To 1128. %



63-Eu-152

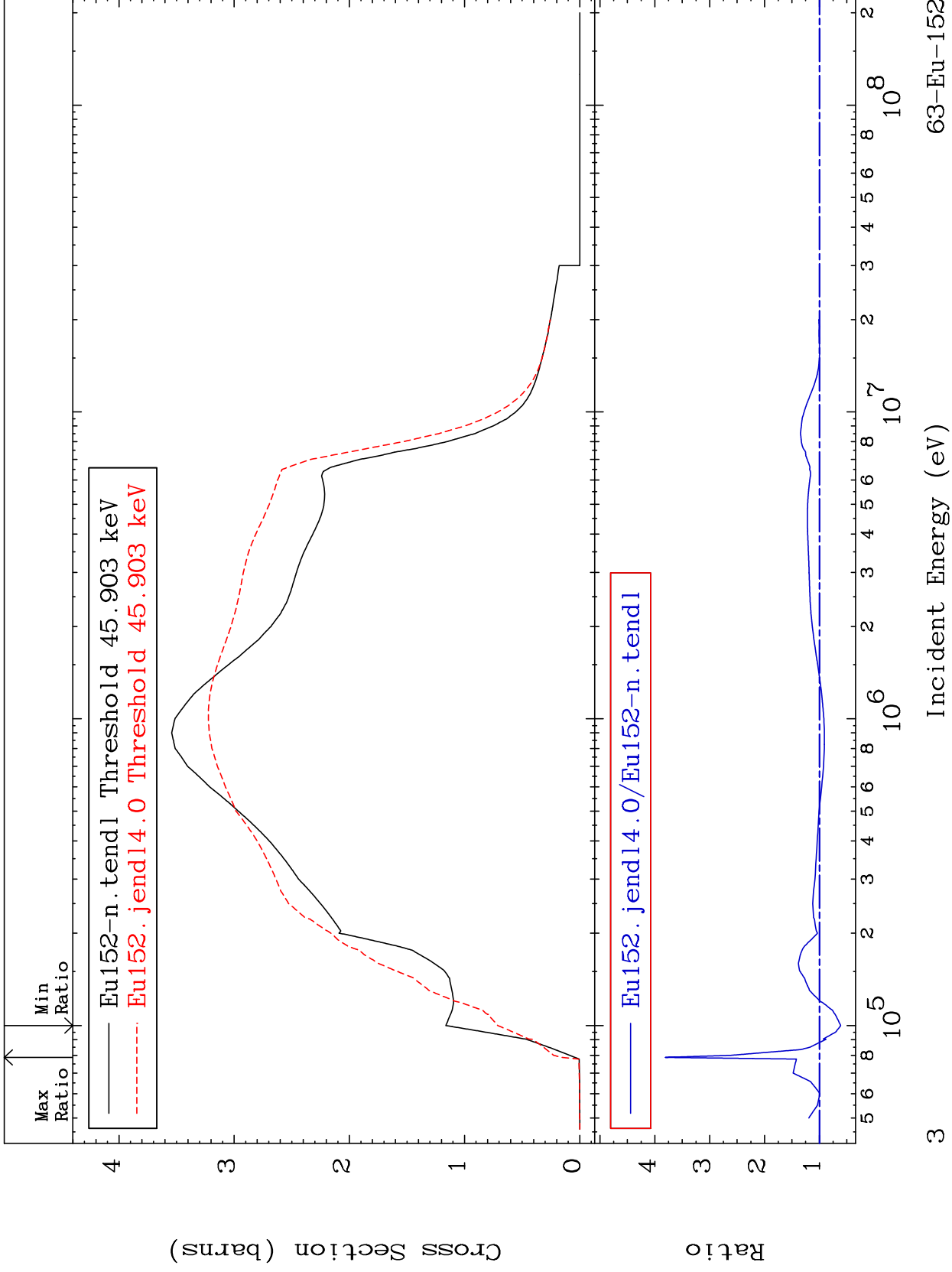
Incident Energy (eV)

2

MAT 6328

Inelastic  
Cross Section

63-Eu-152  
-38.81 To 280.5 %



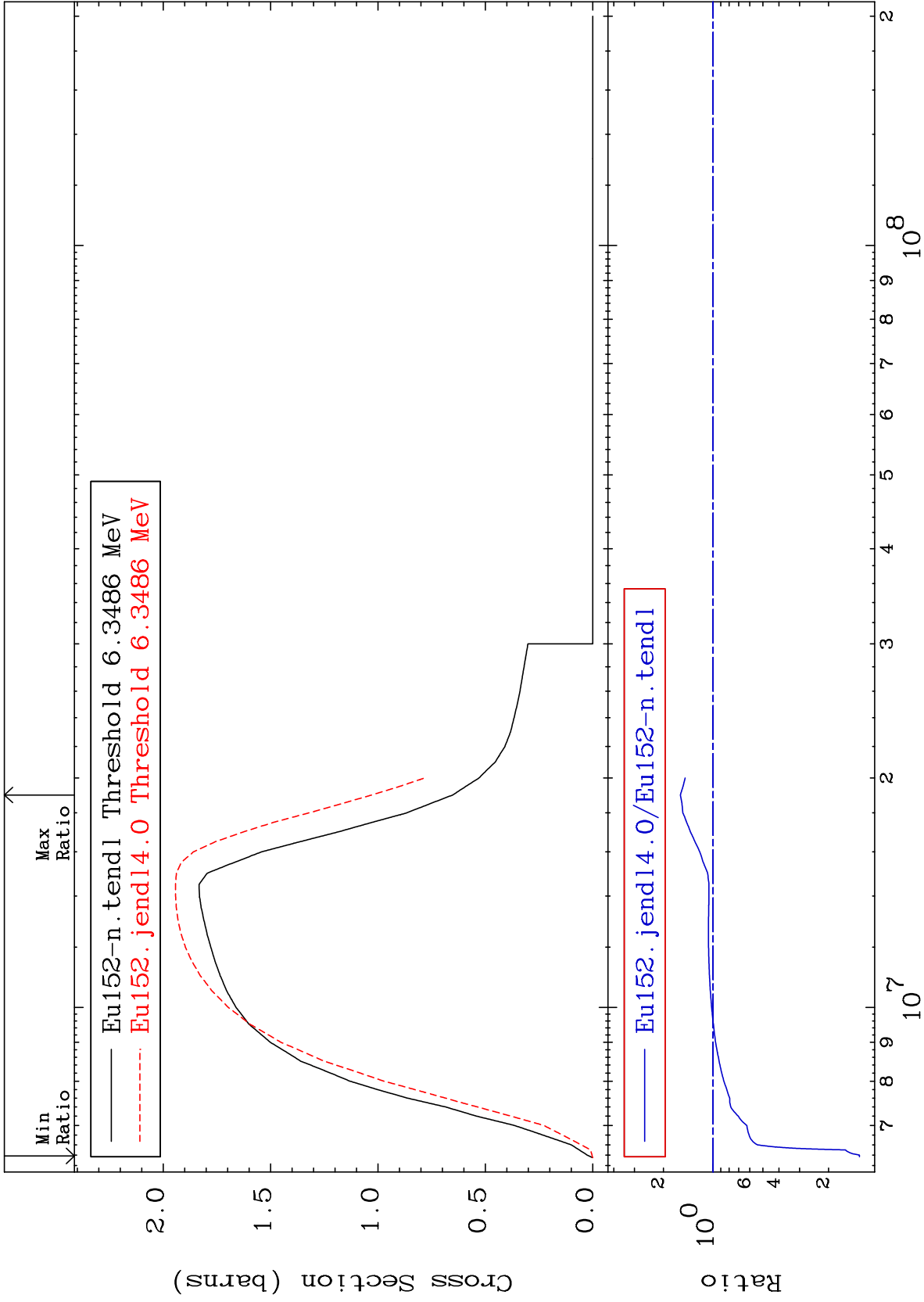
MAT 6328

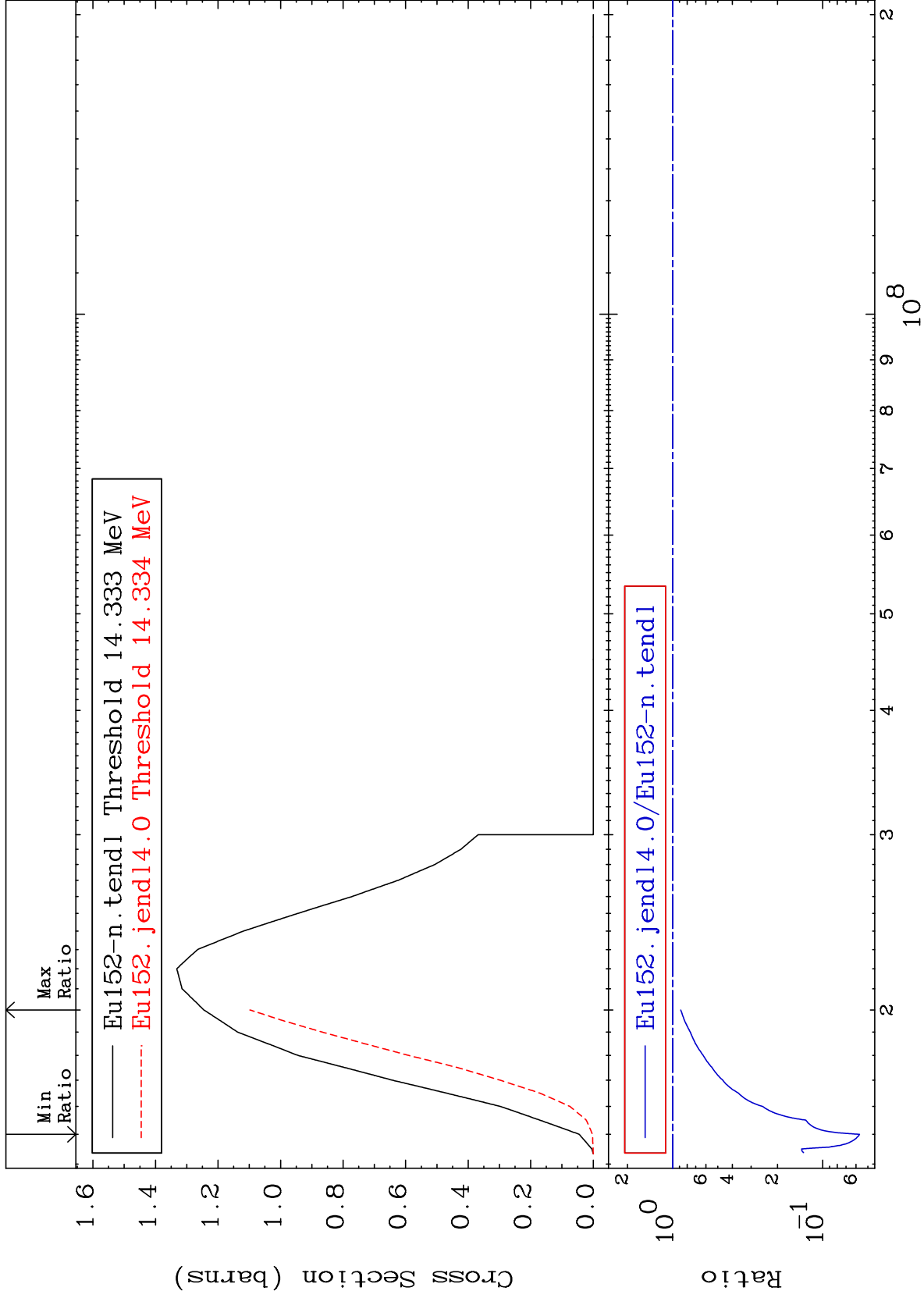
(n,2n)

63-Eu-152

Cross Section

-86.99 To 57.96 %





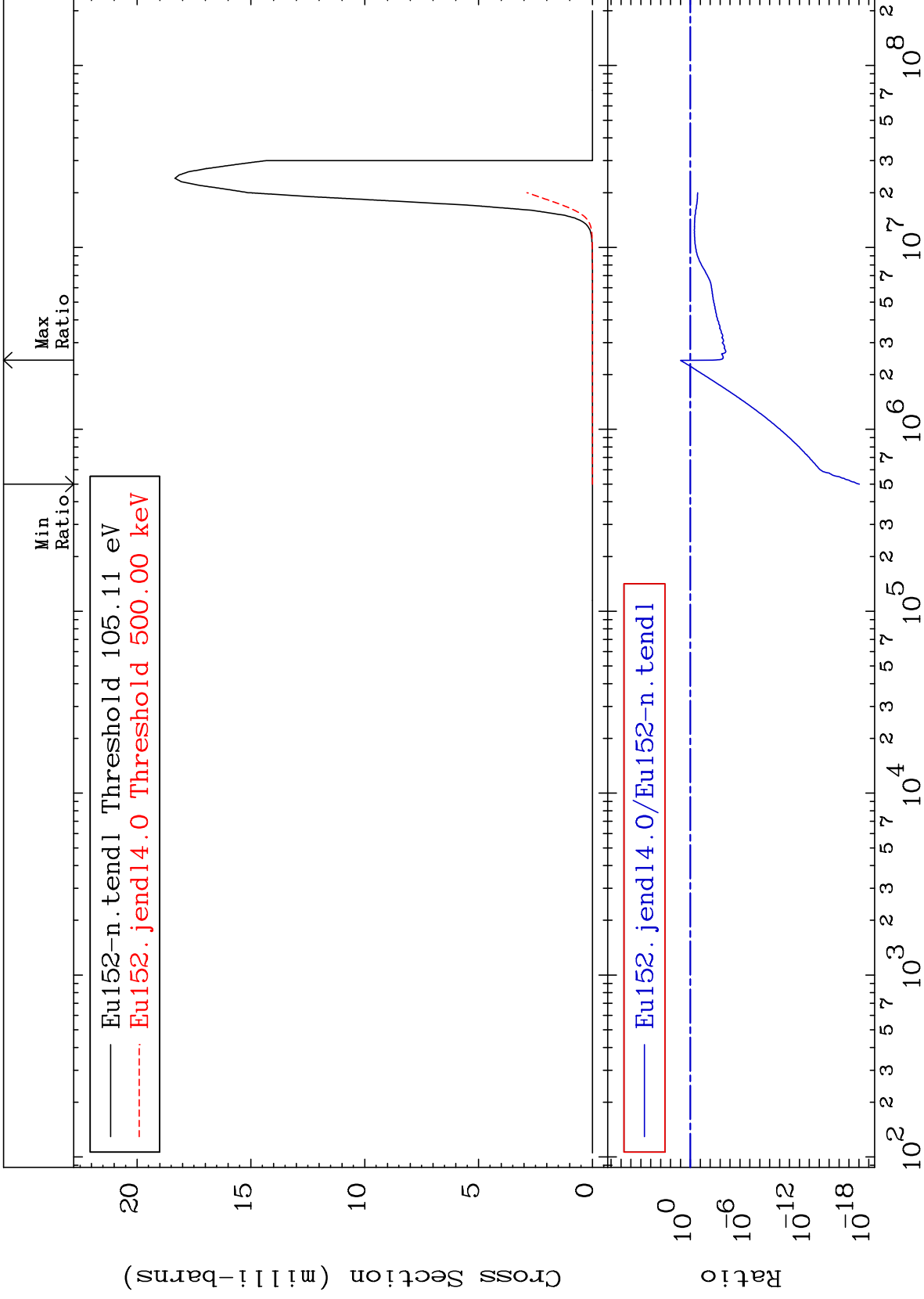
MAT 6328

(n, n')  $\alpha$

63-Eu-152

Cross Section

-100.0 To 983.0 %



6

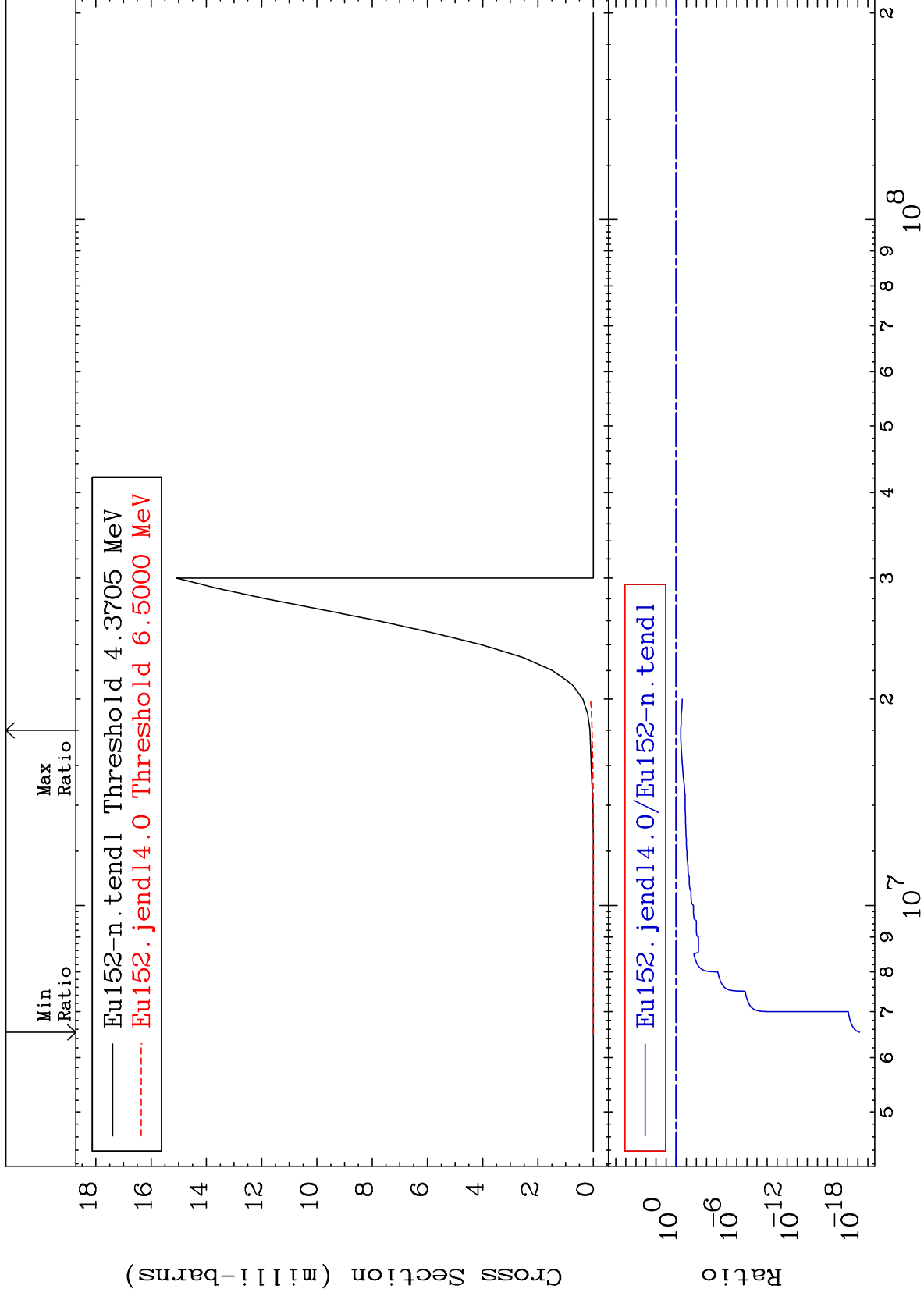
Incident Energy (eV)

63-Eu-152

MAT 6328

(n,2n)  $\alpha$   
Cross Section

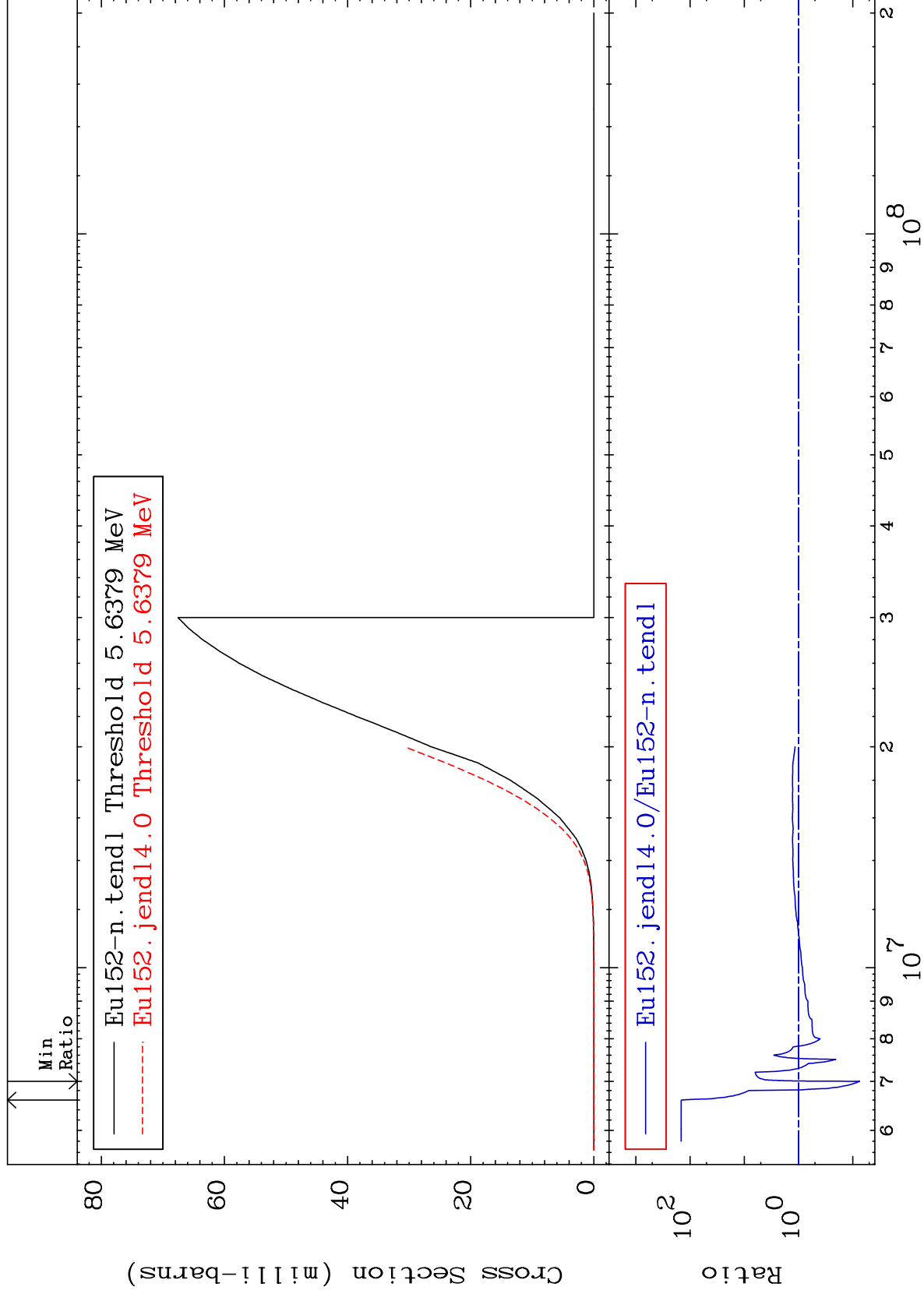
63-Eu-152  
-100.0 To -64.59%



MAT 6328

(n, n') p  
Cross Section

63-Eu-152  
-92.51 To 9999. %



8

Incident Energy (eV)

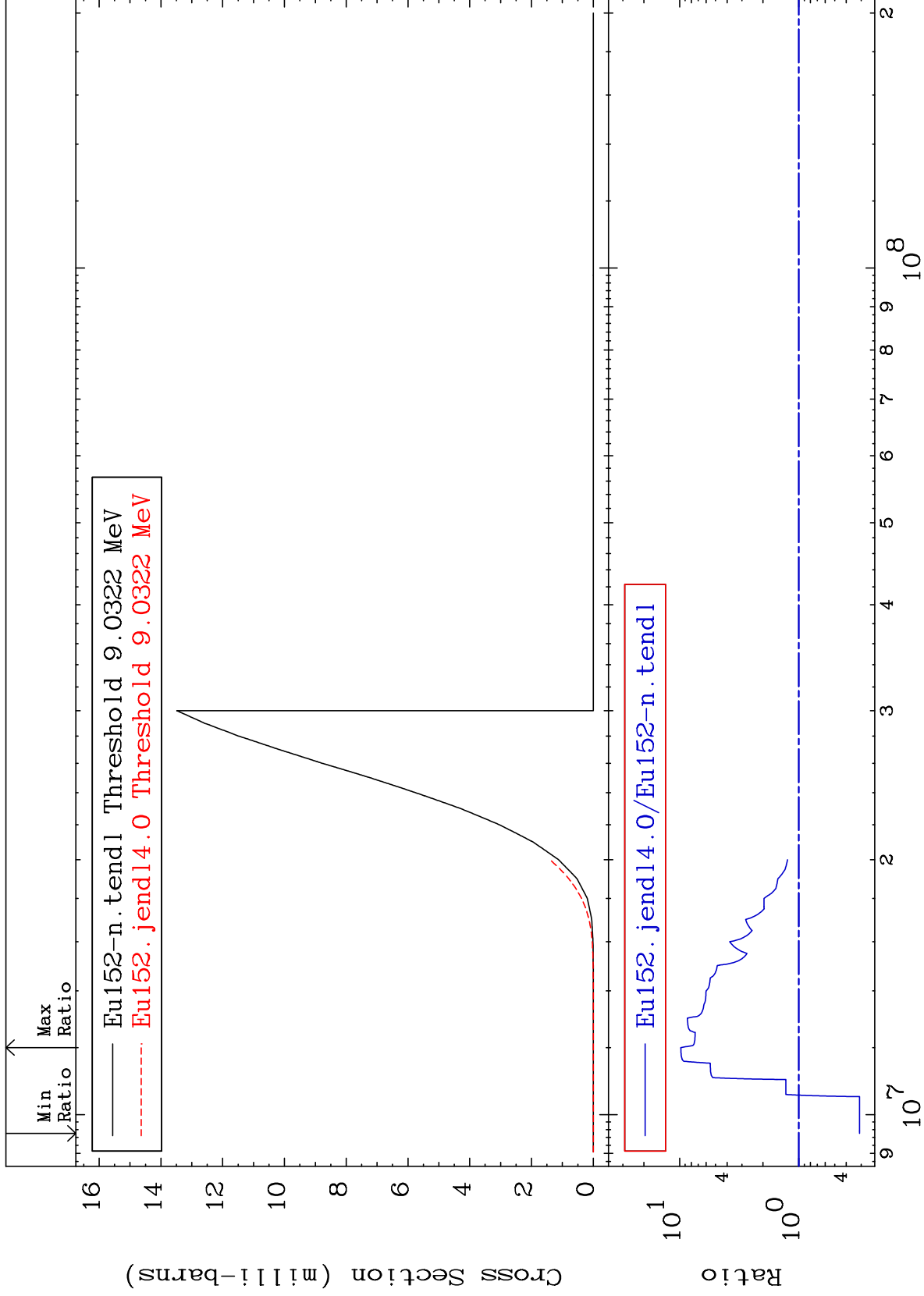
63-Eu-152



MAT 6328

(n,n') d  
Cross Section

63-Eu-152  
-69.07 To 880.0 %



9

Incident Energy (eV)

63-Eu-152

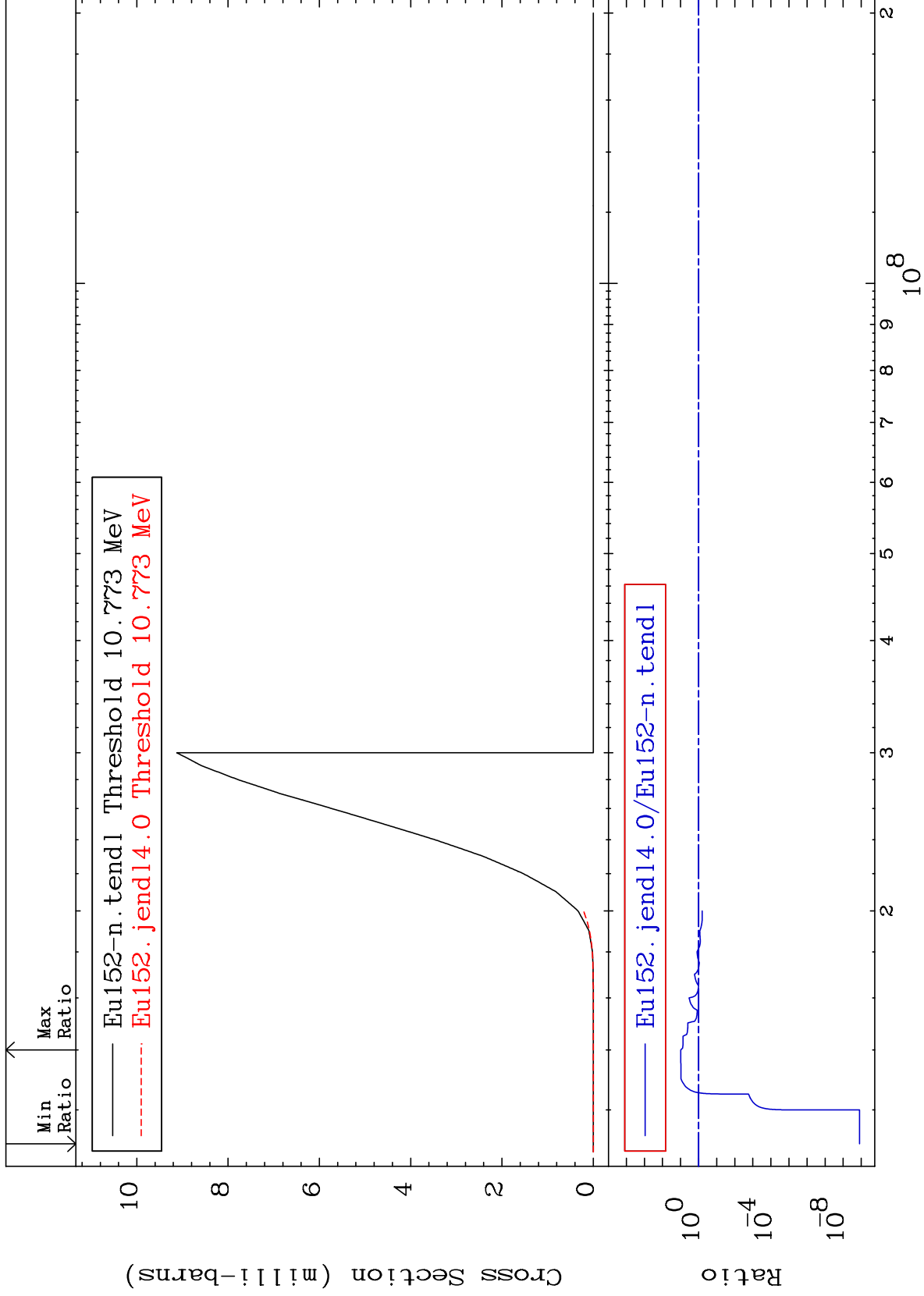
MAT 6328

(n,n') t

63-Eu-152

Cross Section

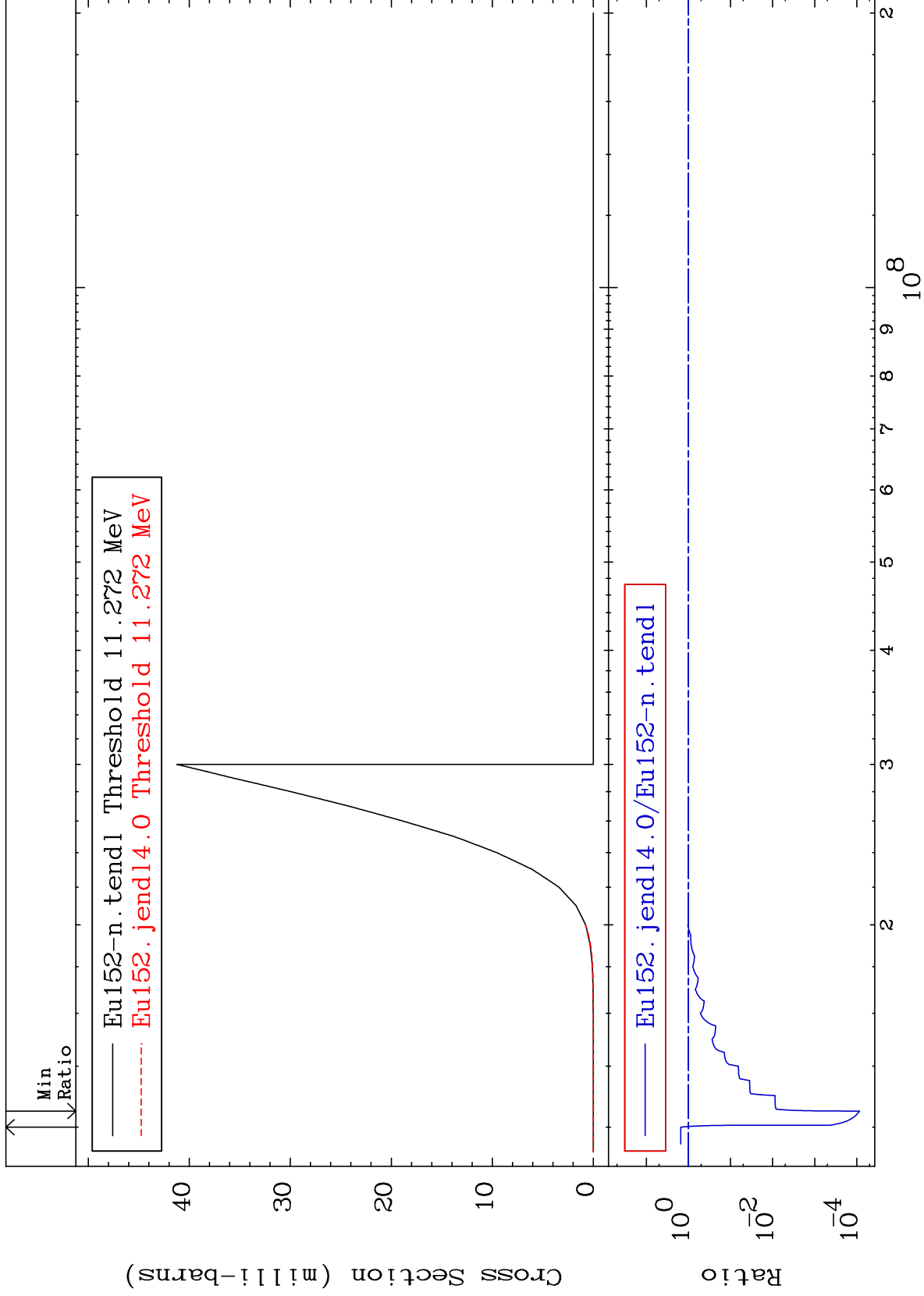
-100.0 To 873.5 %



10

Incident Energy (eV)

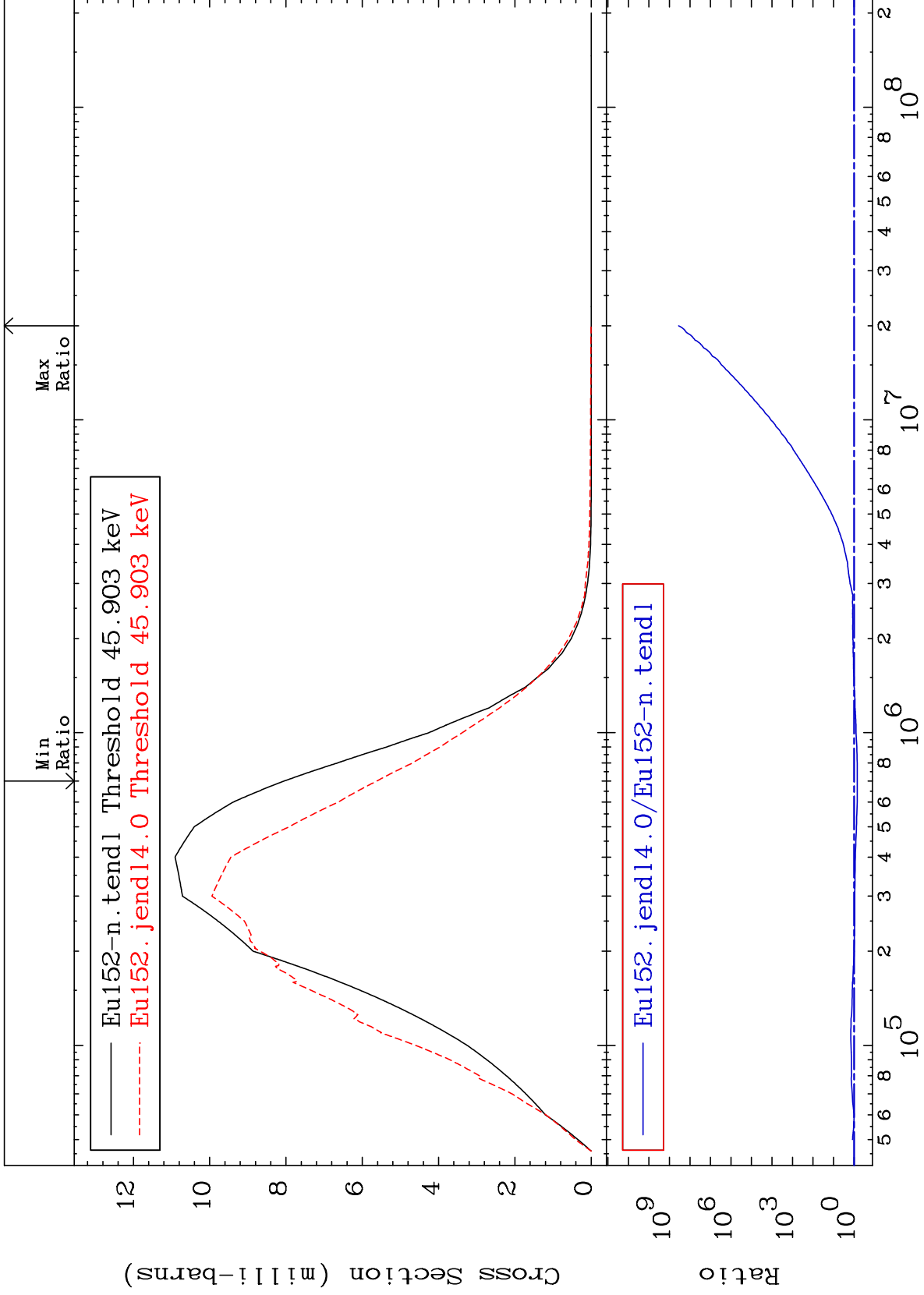
63-Eu-152



MAT 6328

45.60 keV (n,n') Level  
Cross Section

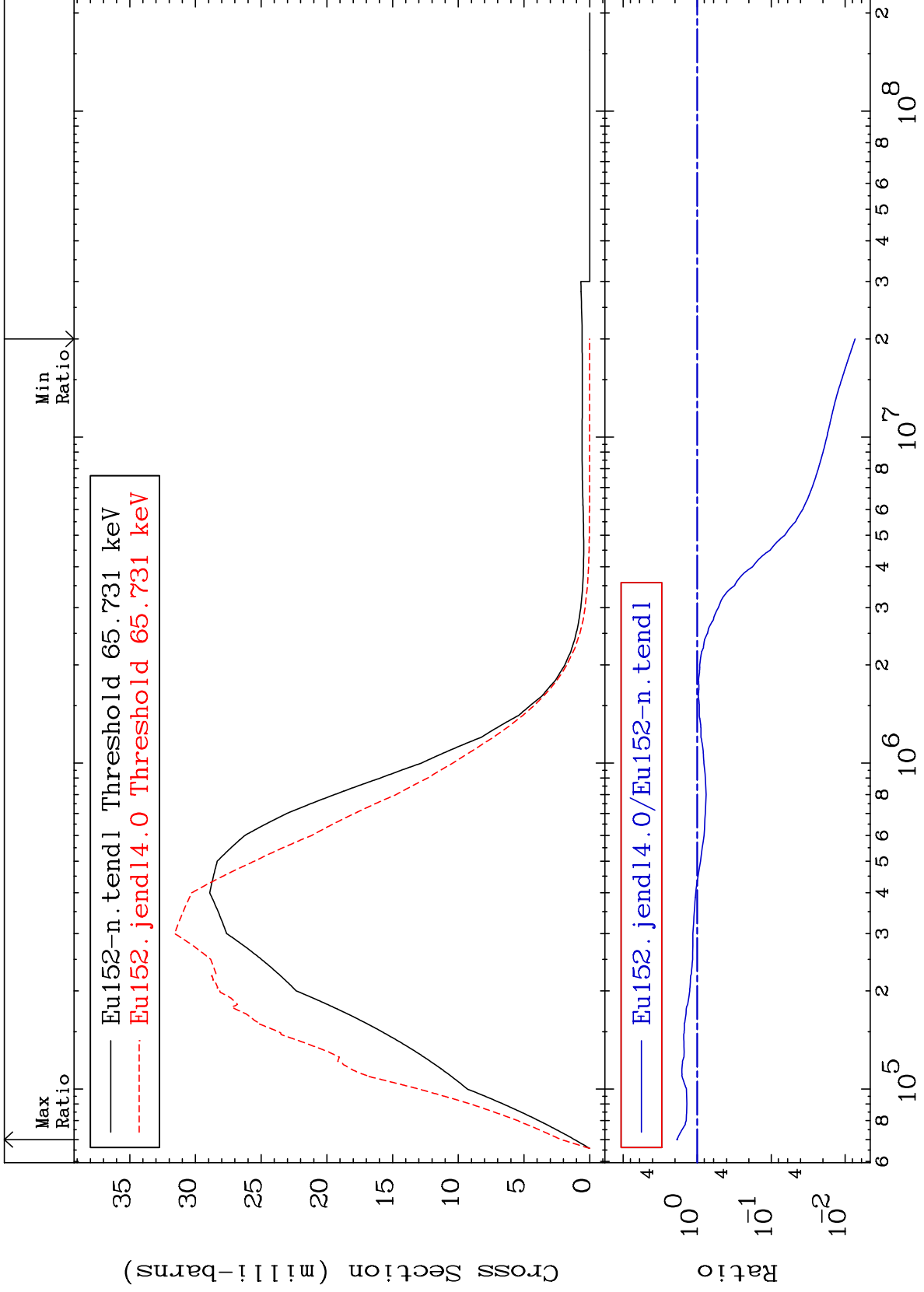
63-Eu-152  
-30.17 To 9999. %



MAT 6328

65.30 keV (n,n') Level  
Cross Section

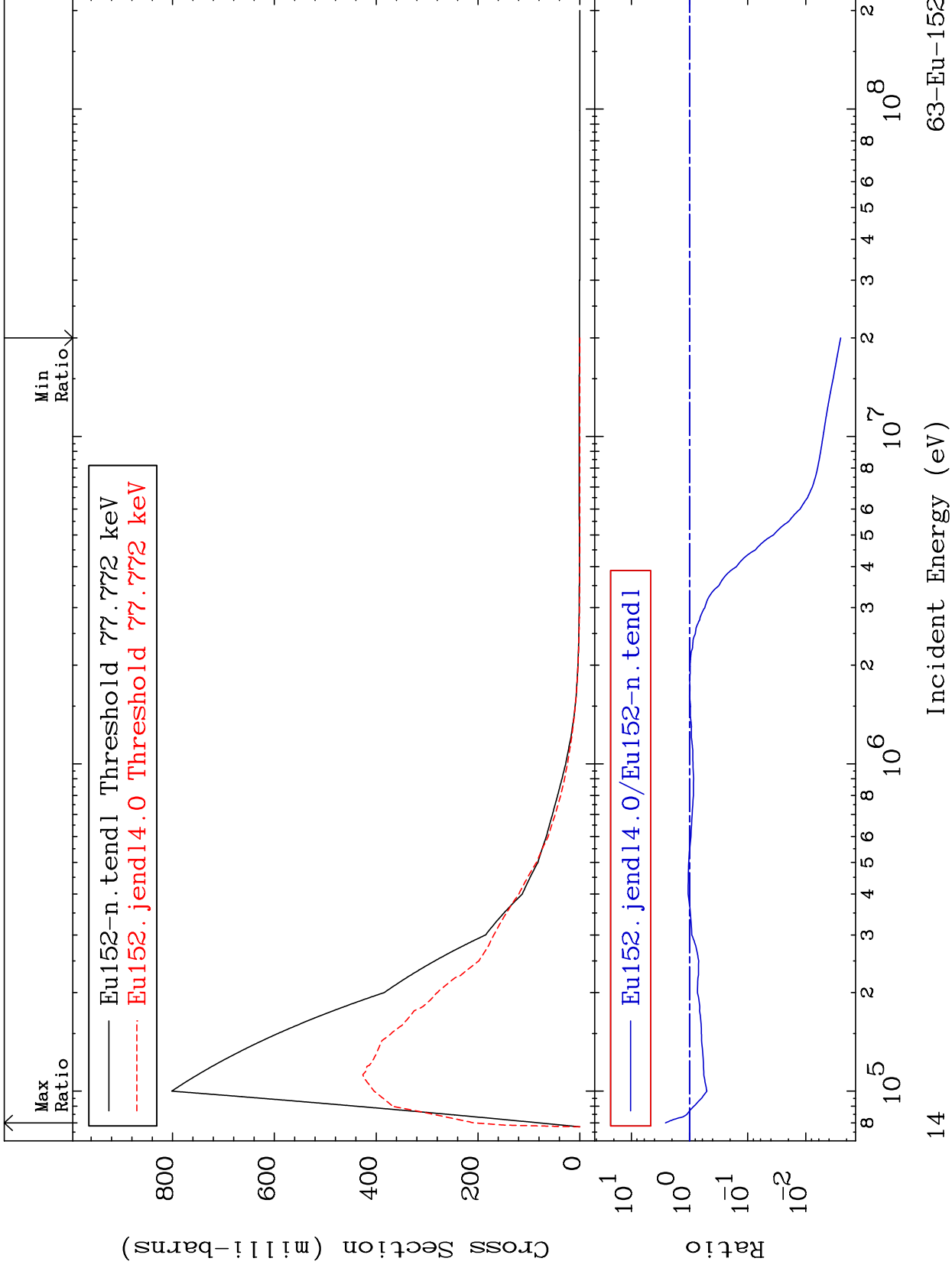
63-Eu-152  
-99.27 To 87.85 %



MAT 6328

77.26 keV (n,n') Level  
Cross Section

63-Eu-152  
-99.75 To 158.7 %



14

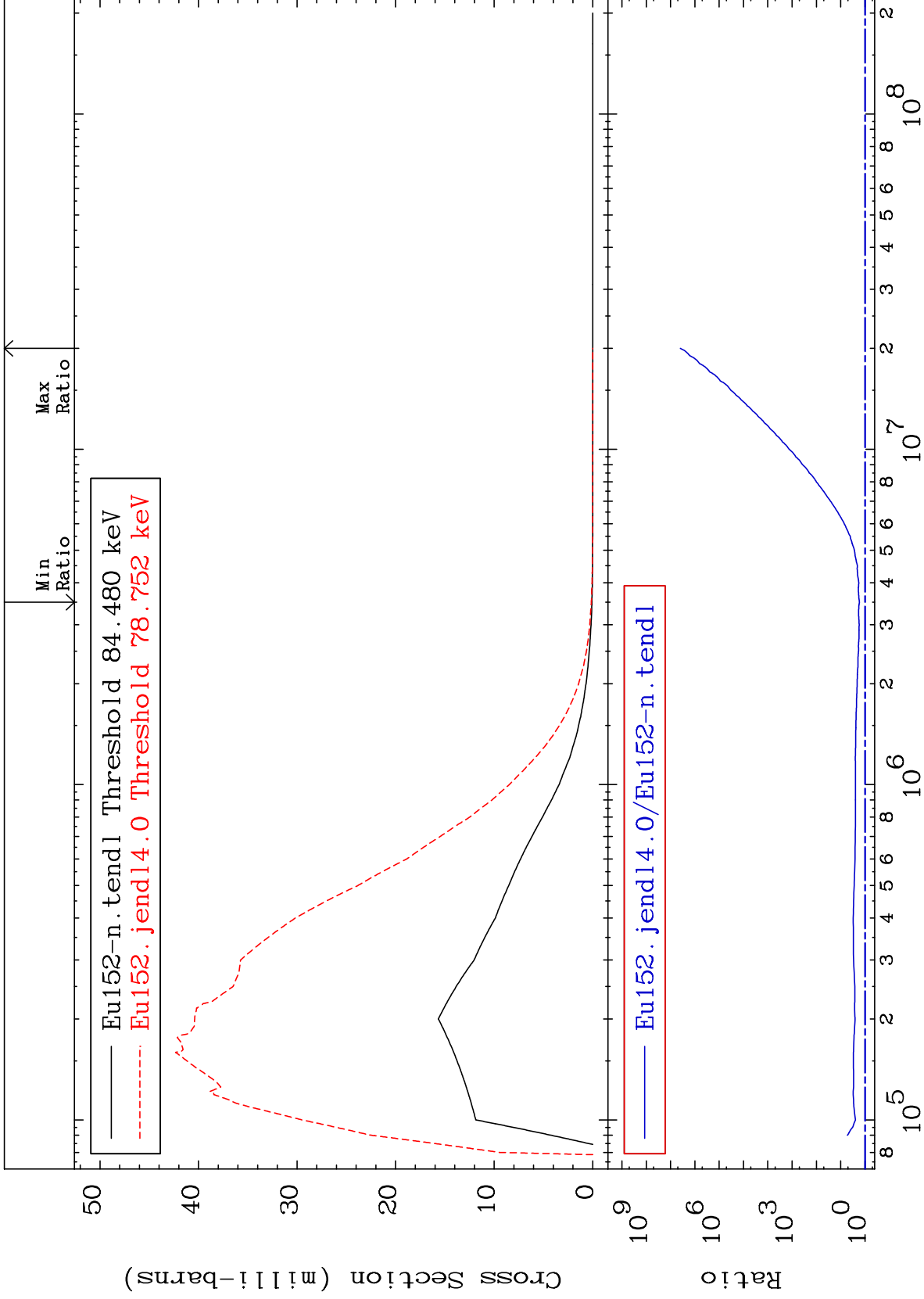
Incident Energy (eV)

63-Eu-152

MAT 6328

83.92 keV (n,n') Level  
Cross Section

63-Eu-152  
69.57 To 9999. %



15

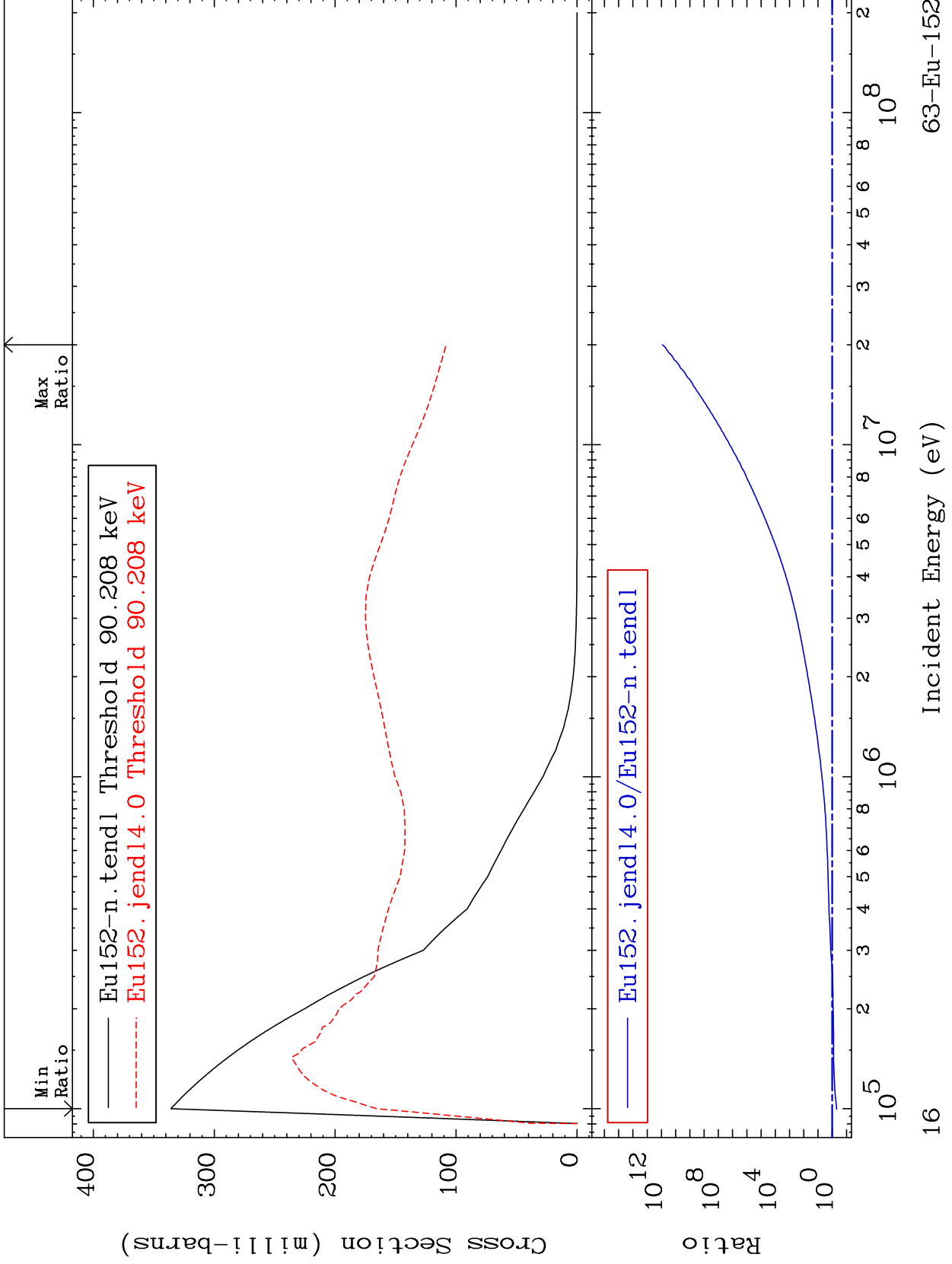
Incident Energy (eV)

63-Eu-152

MAT 6328

89.61 keV (n,n') Level  
Cross Section

63-Eu-152  
-50.70 To 9999. %

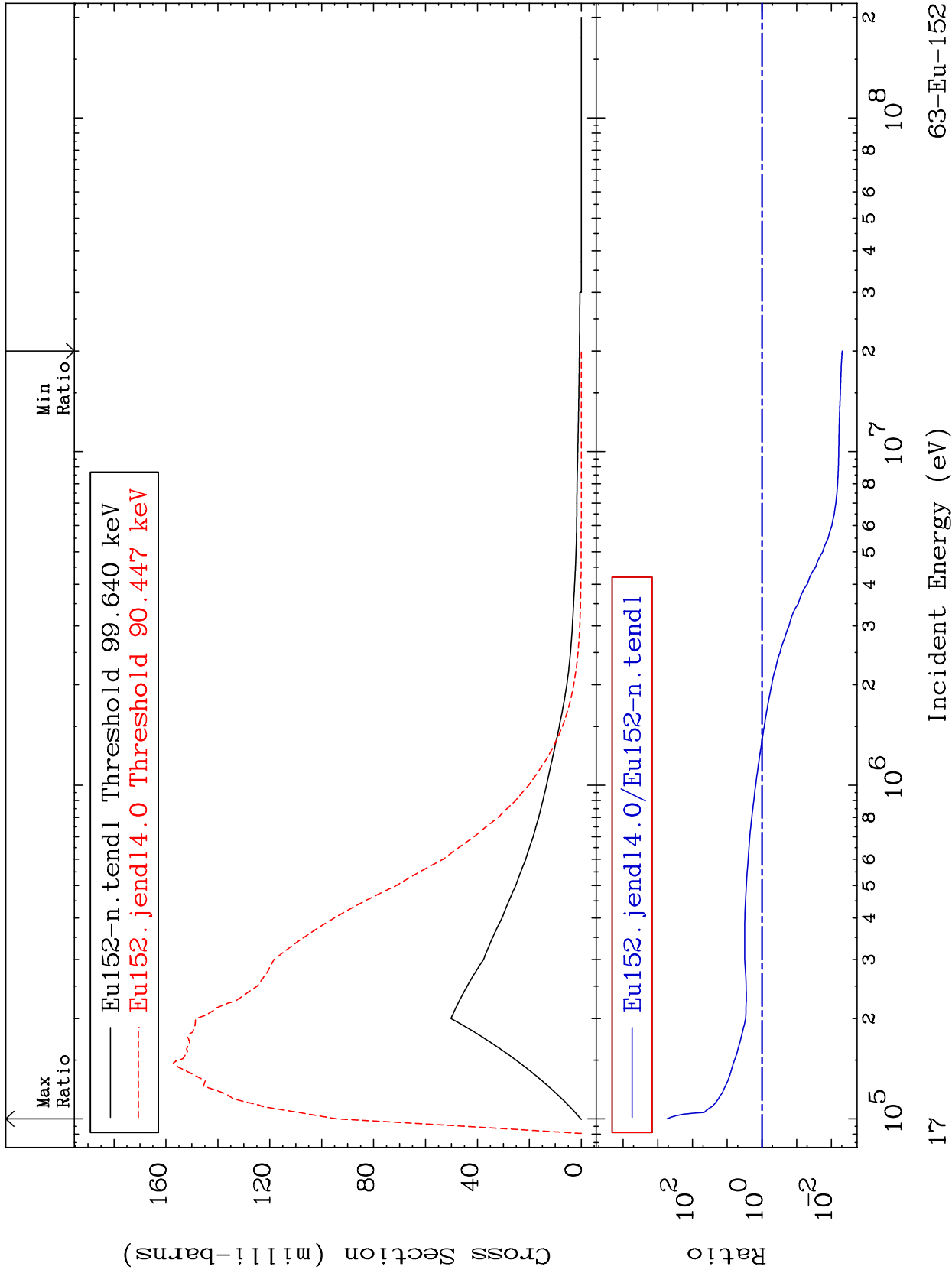




MAT 6328

98.98 keV (n,n') Level  
Cross Section

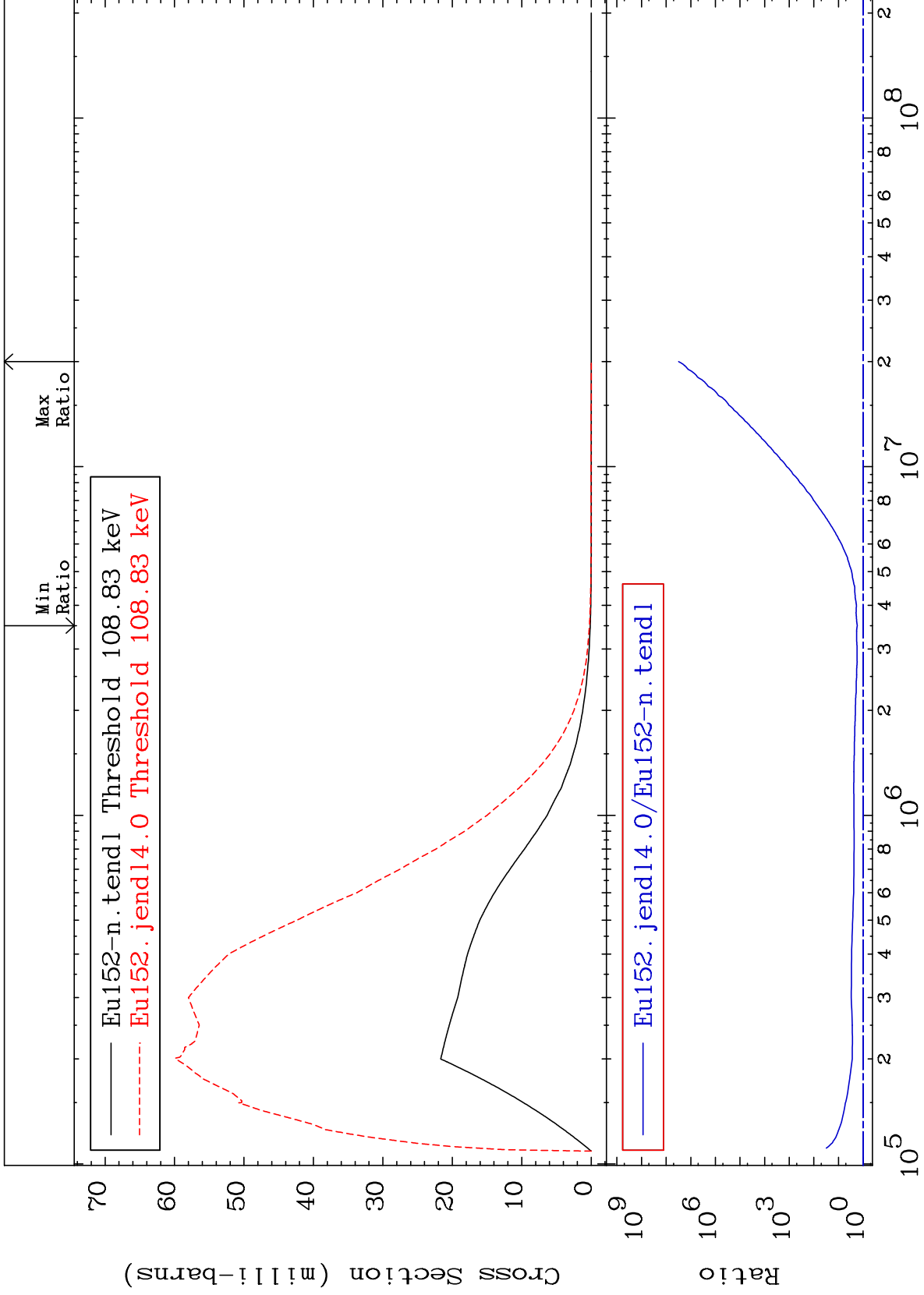
63-Eu-152  
-99.51 To 9999. %



MAT 6328

108.1 keV (n,n') Level  
Cross Section

63-Eu-152  
72.56 To 9999. %



18

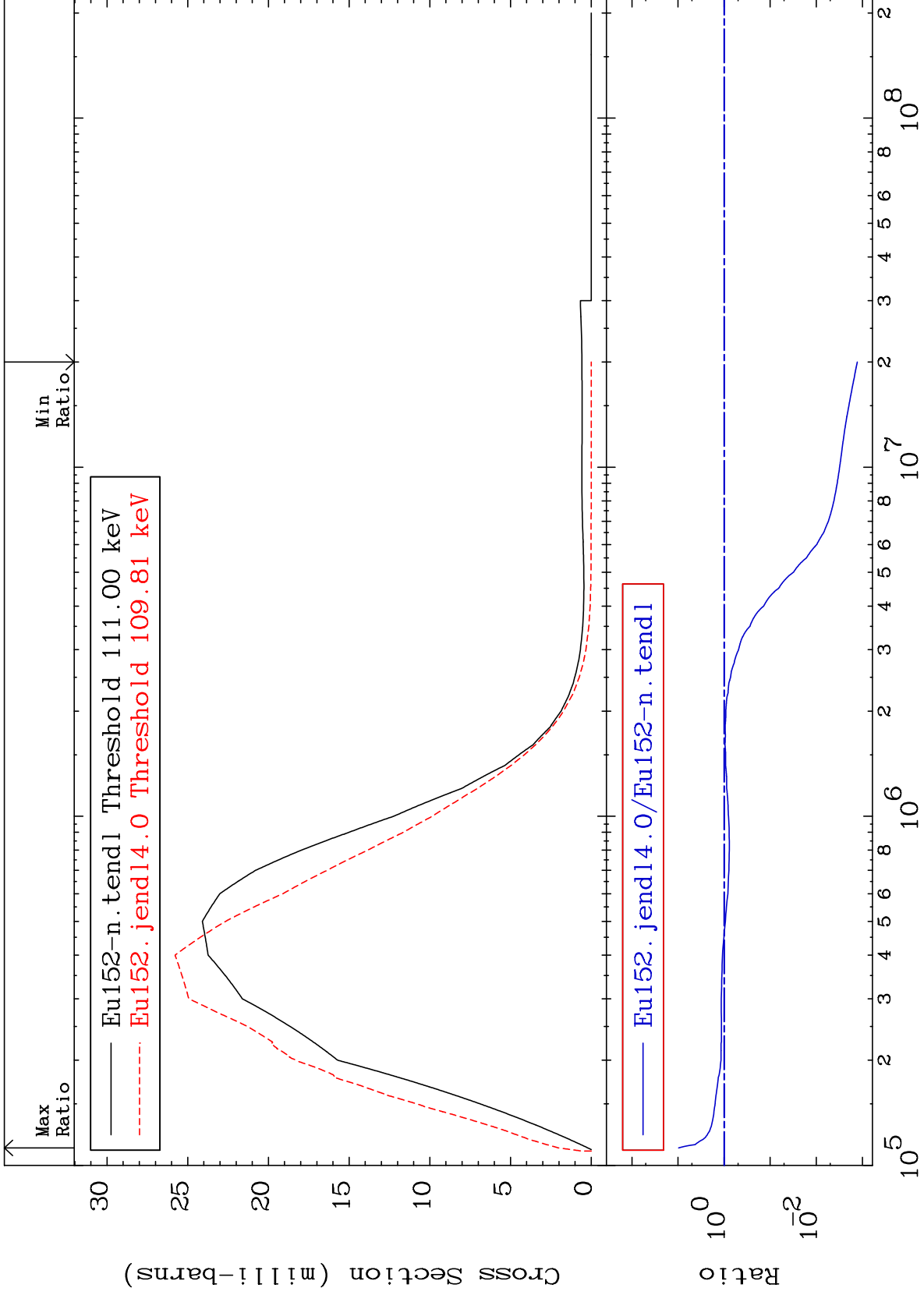
Incident Energy (eV)

63-Eu-152

MAT 6328

110.3 keV (n,n') Level  
Cross Section

63-Eu-152  
-99.87 To 868.6 %



19

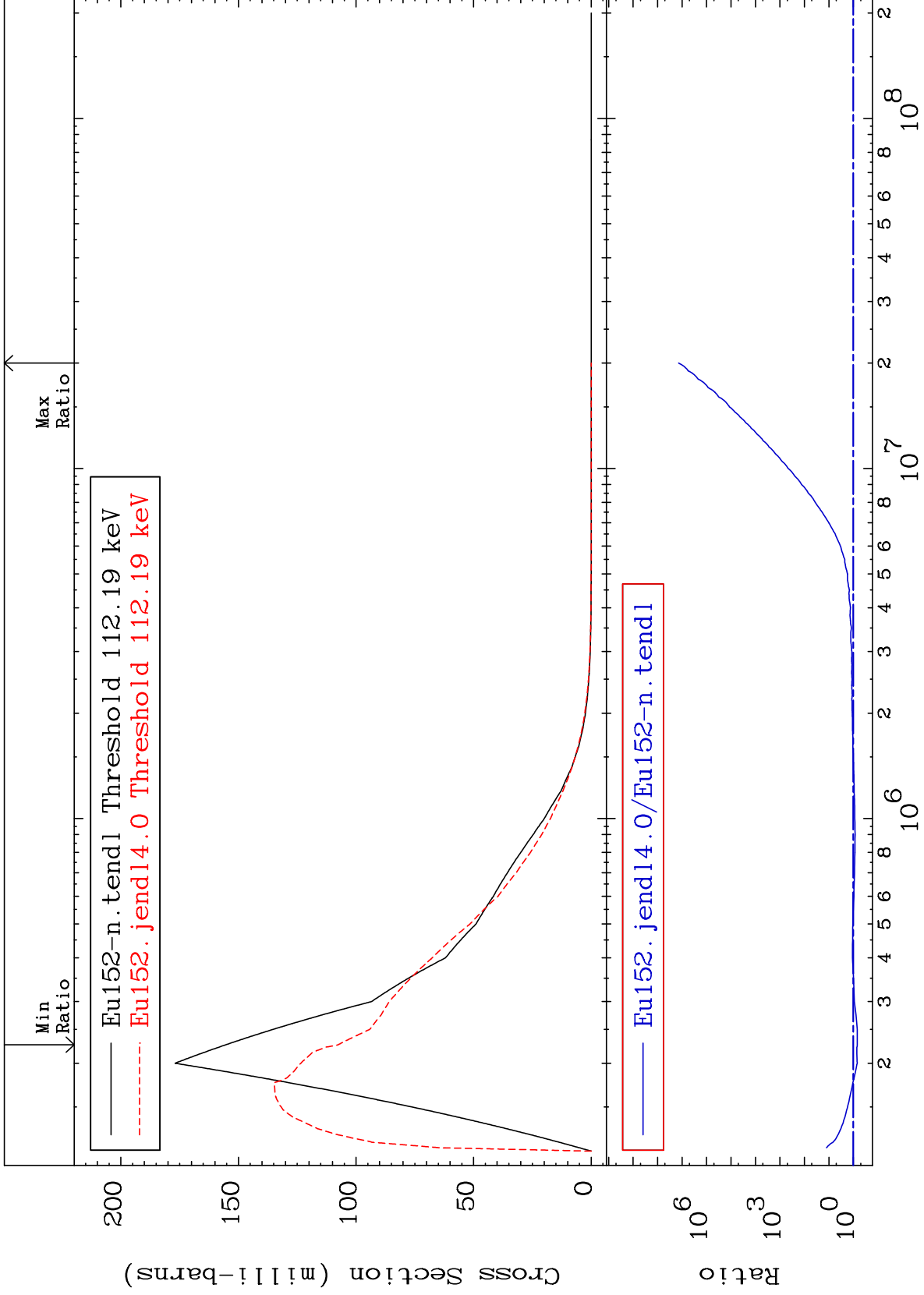
Incident Energy (eV)

63-Eu-152

MAT 6328

111.4 keV (n,n') Level  
Cross Section

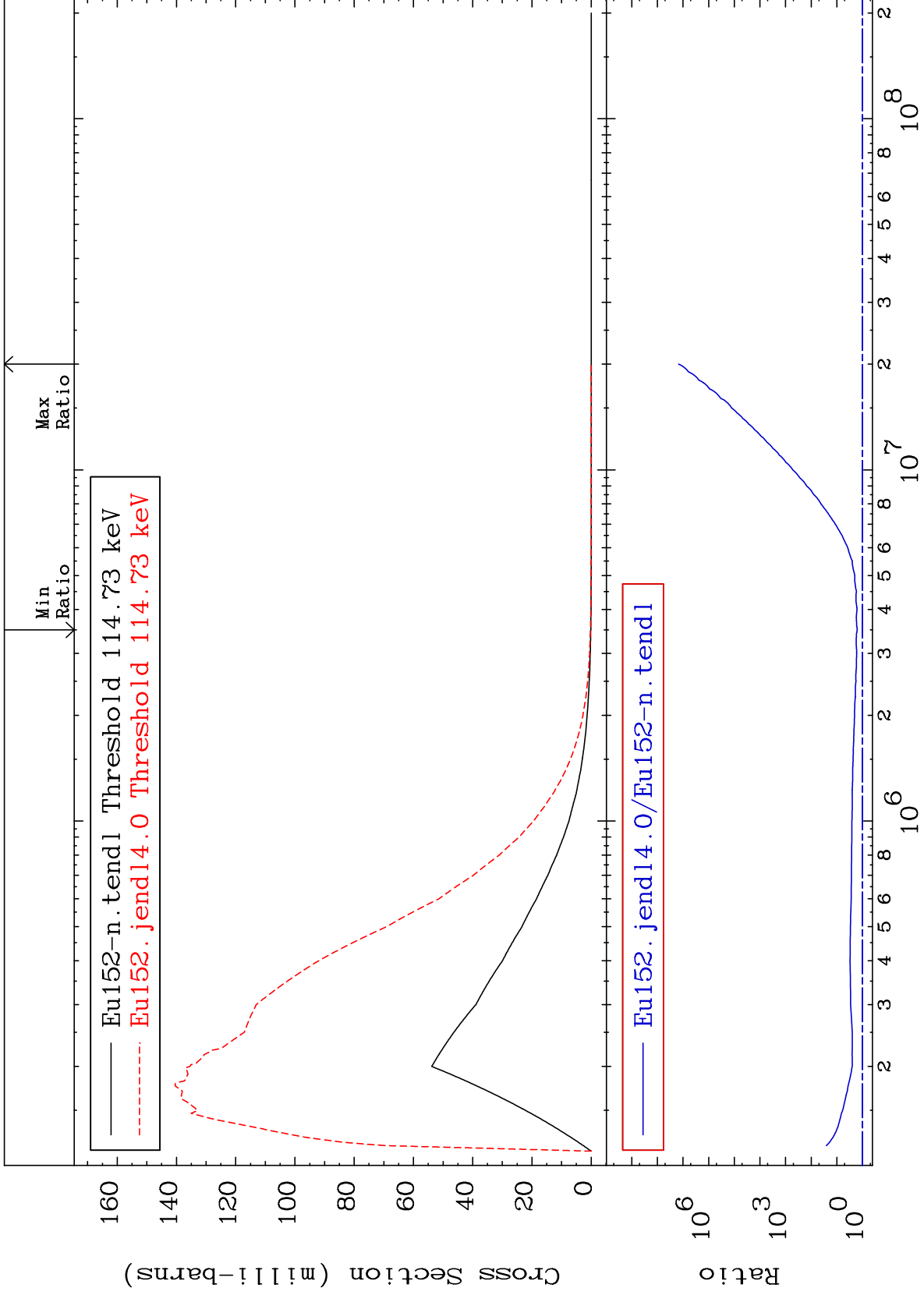
63-Eu-152  
-30.70 To 9999. %



MAT 6328

114.0 keV (n,n') Level  
Cross Section

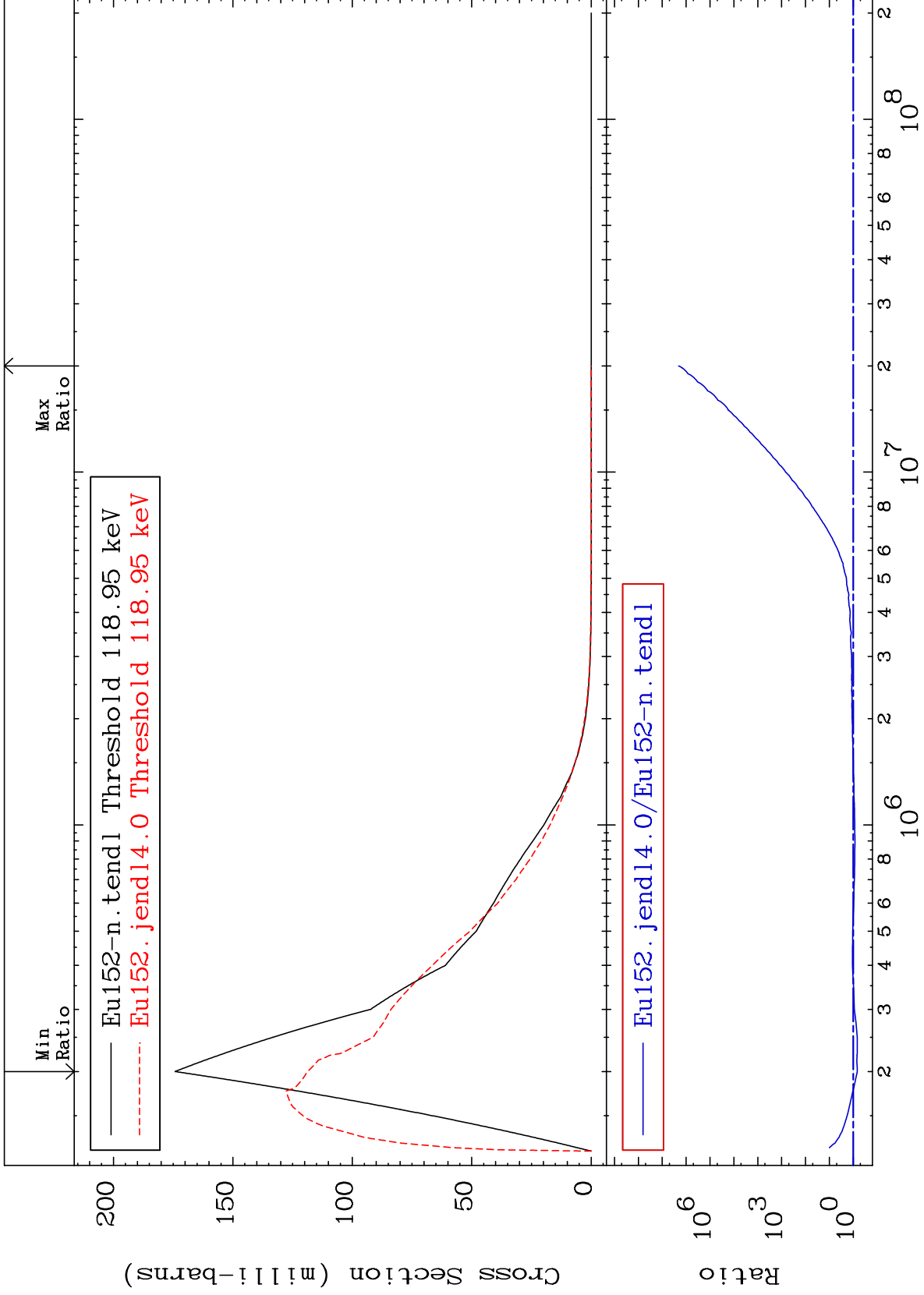
63-Eu-152  
60.65 To 9999. %



MAT 6328

118.2 keV (n,n') Level  
Cross Section

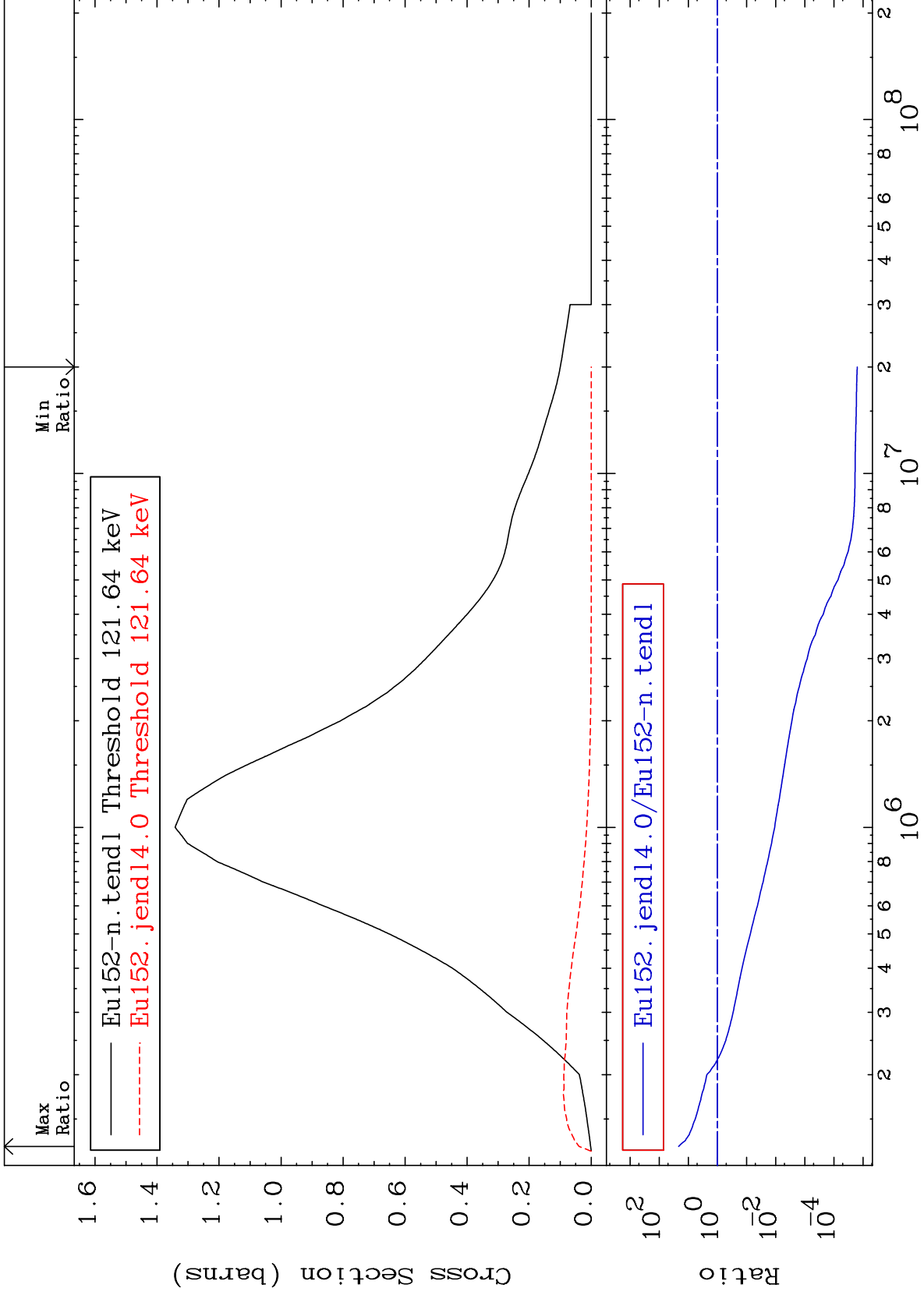
63-Eu-152  
-31.93 To 9999. %



MAT 6328

120.8 keV (n,n') Level  
Cross Section

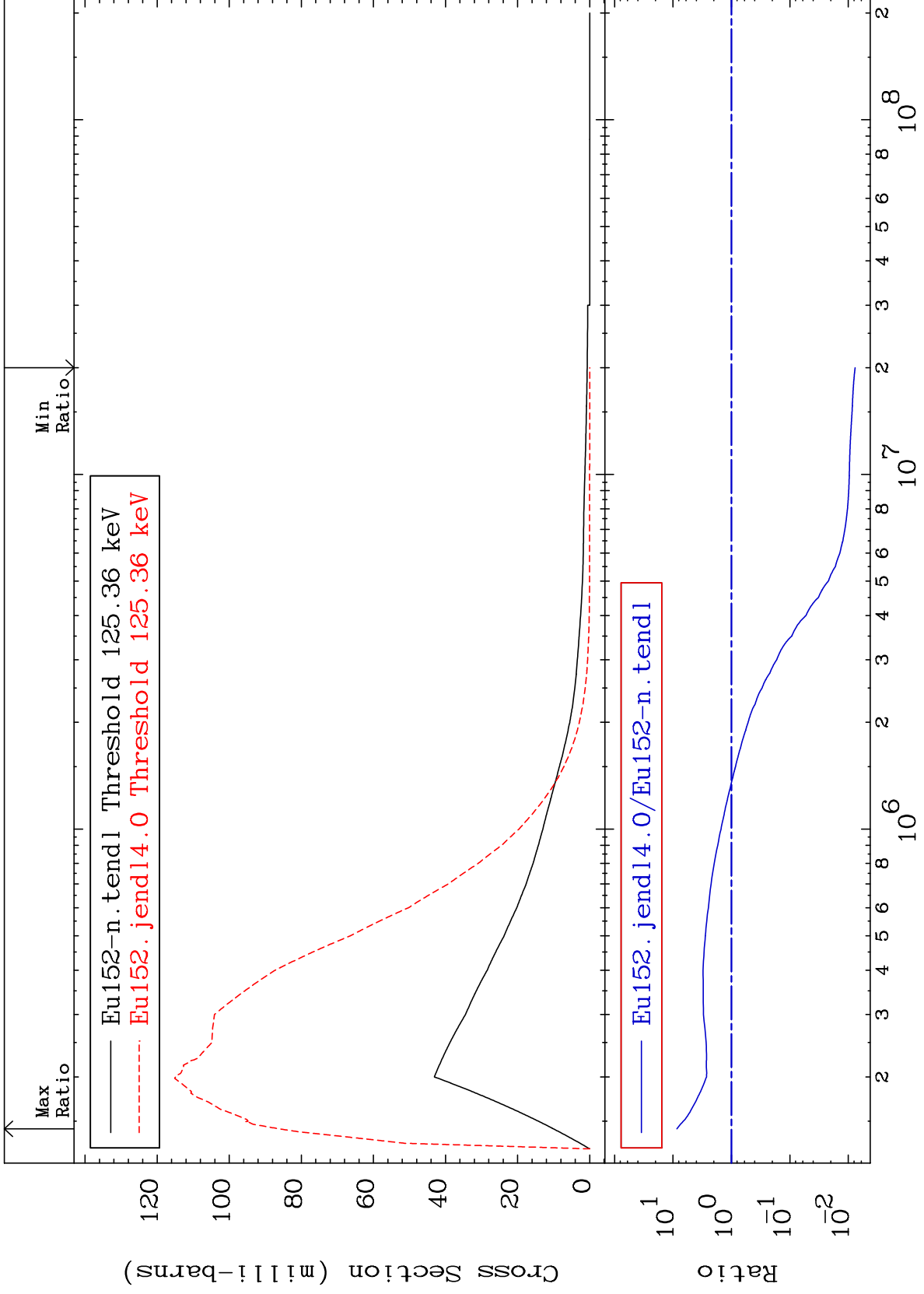
63-Eu-152  
-100.0 To 2053. %



MAT 6328

124.5 keV (n,n') Level  
Cross Section

63-Eu-152  
-99.23 To 757.6 %

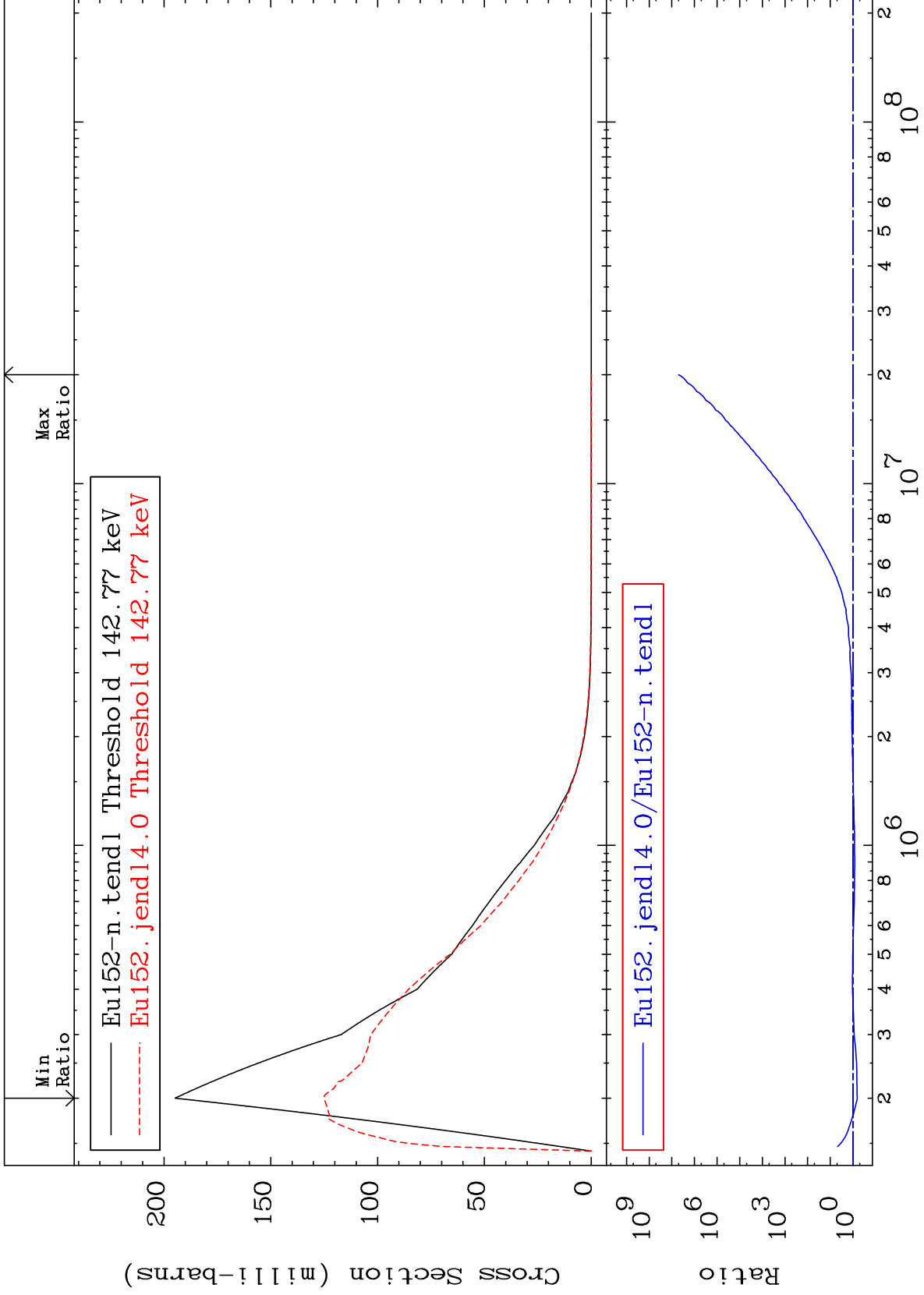




MAT 6328

141.8 keV (n,n') Level  
Cross Section

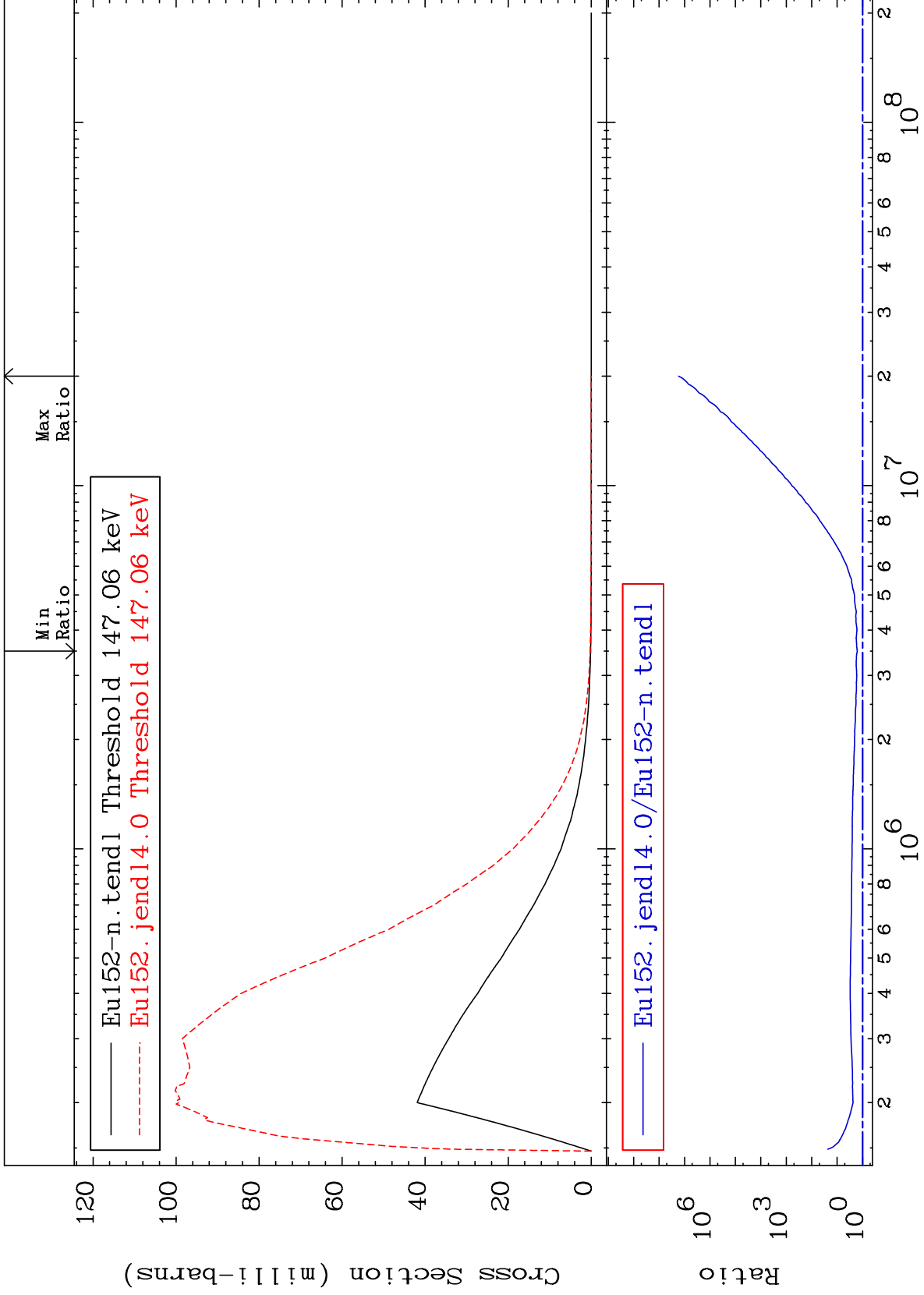
63-Eu-152  
-35.87 To 9999. %



MAT 6328

146.1 keV (n,n') Level  
Cross Section

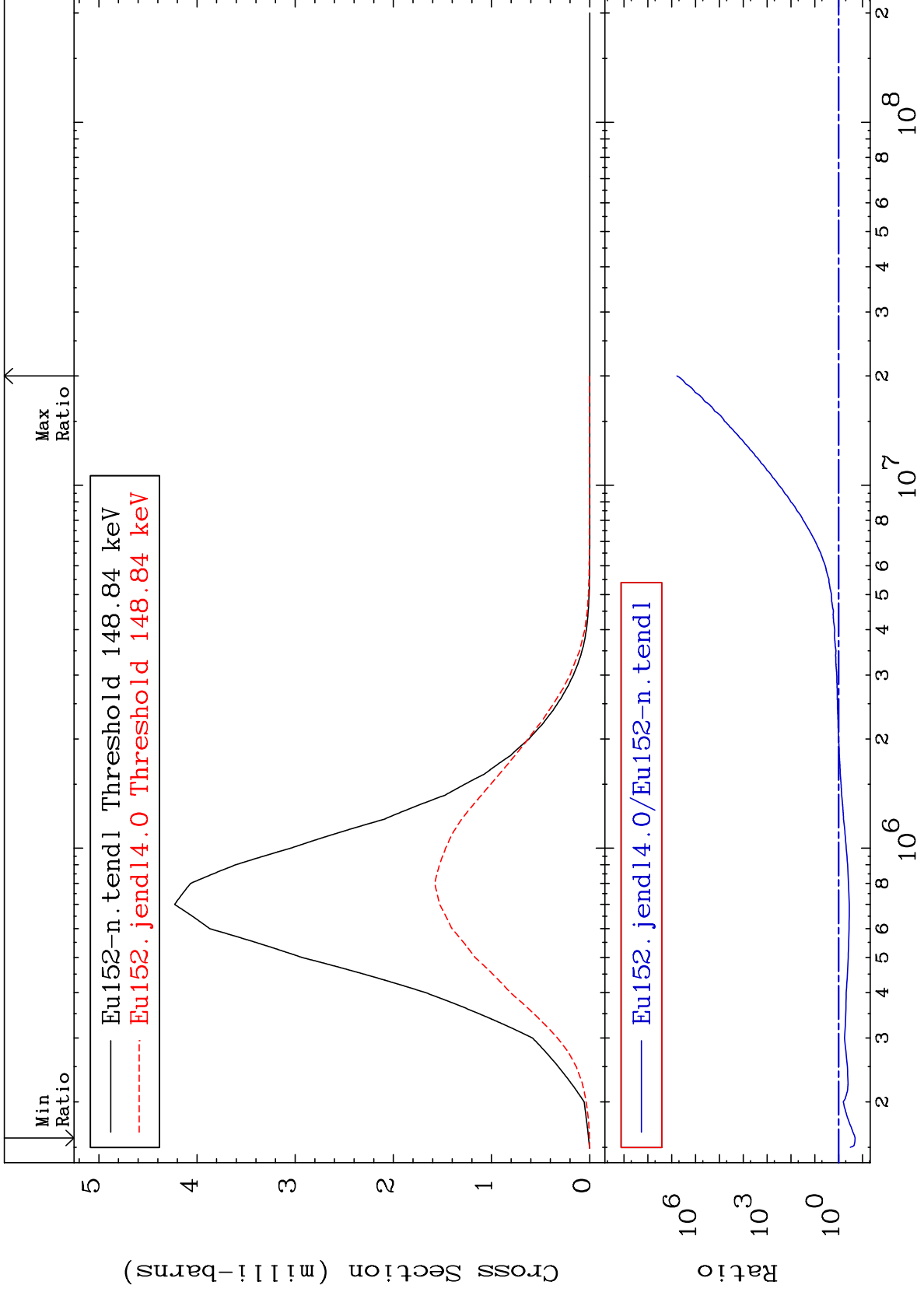
63-Eu-152  
61.73 To 9999. %



MAT 6328

147.9 keV (n,n') Level  
Cross Section

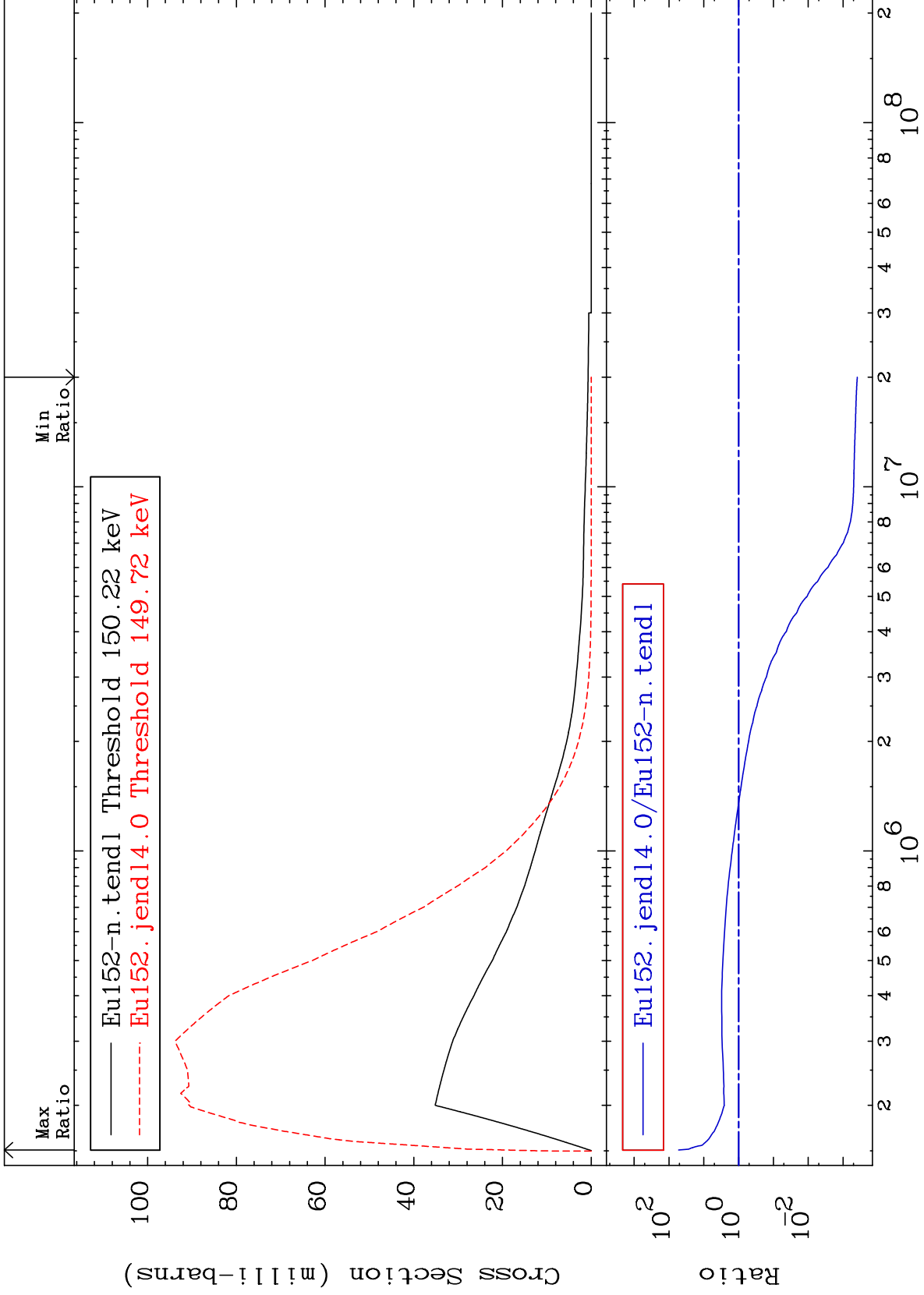
63-Eu-152  
-79.54 To 9999. %



MAT 6328

149.2 keV (n,n') Level  
Cross Section

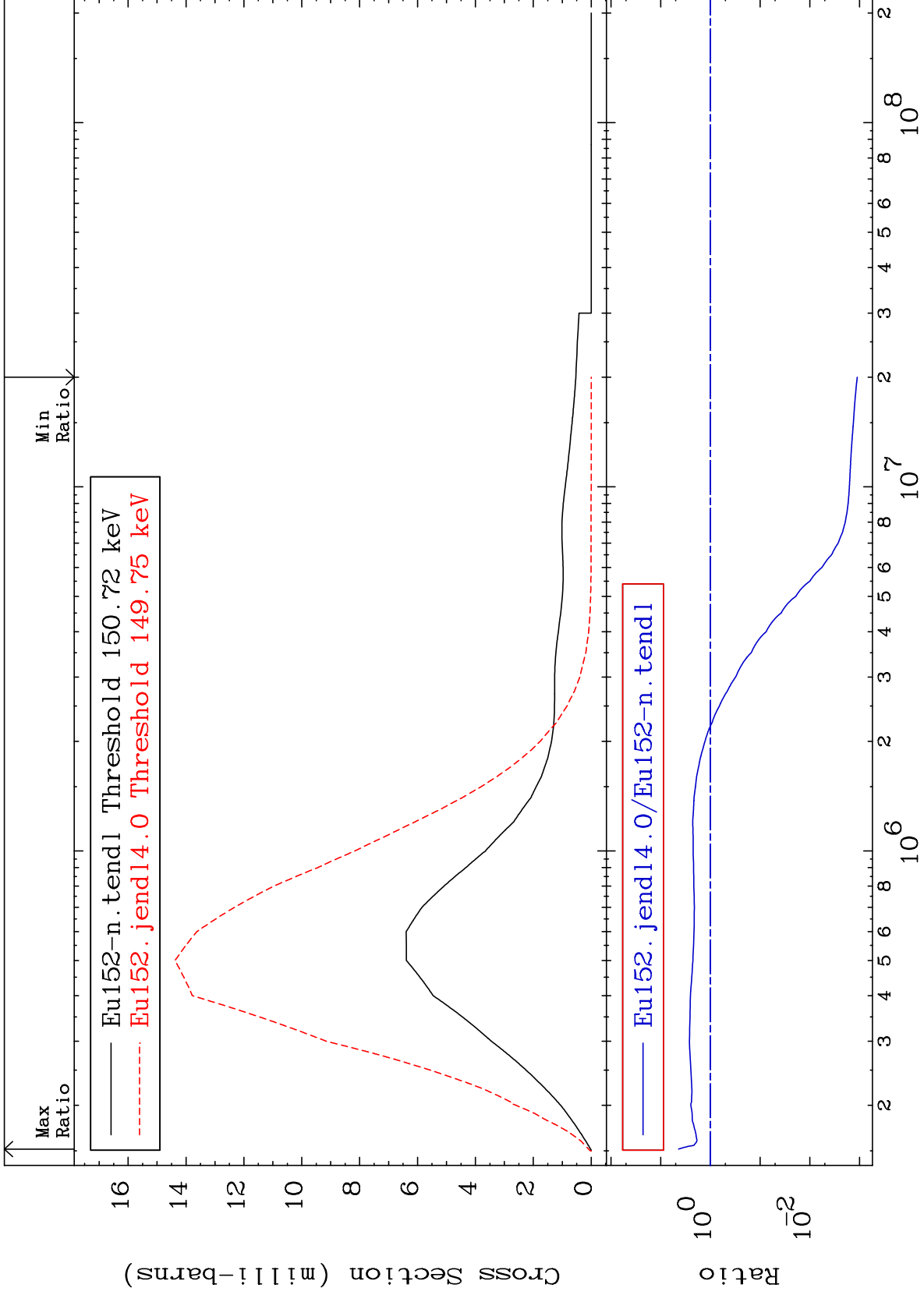
63-Eu-152  
-99.96 To 5175. %



MAT 6328

149.7 keV (n,n') Level  
Cross Section

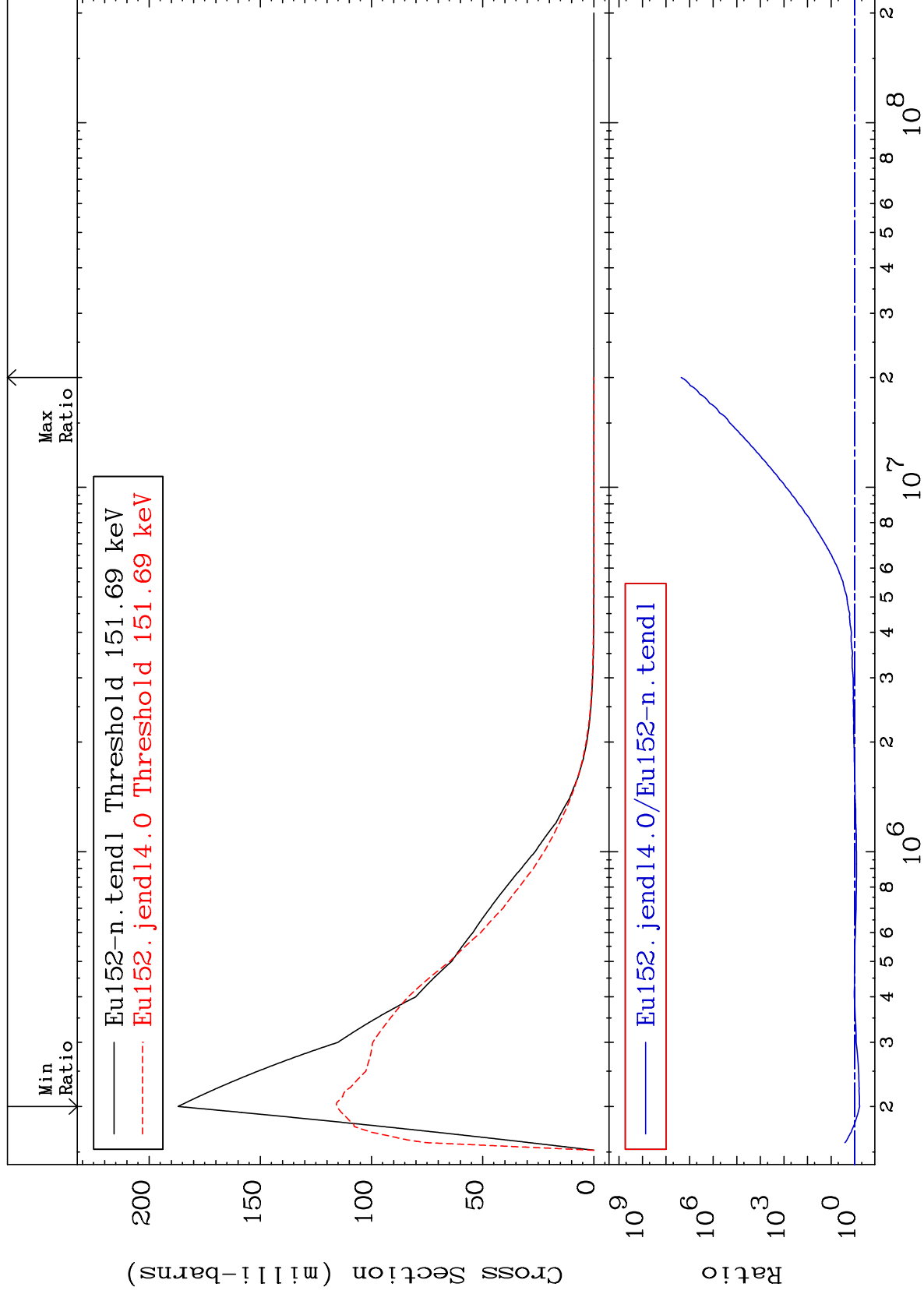
63-Eu-152  
-99.89 To 335.8 %



MAT 6328

150.7 keV (n,n') Level  
Cross Section

63-Eu-152  
-38.28 To 9999. %



30

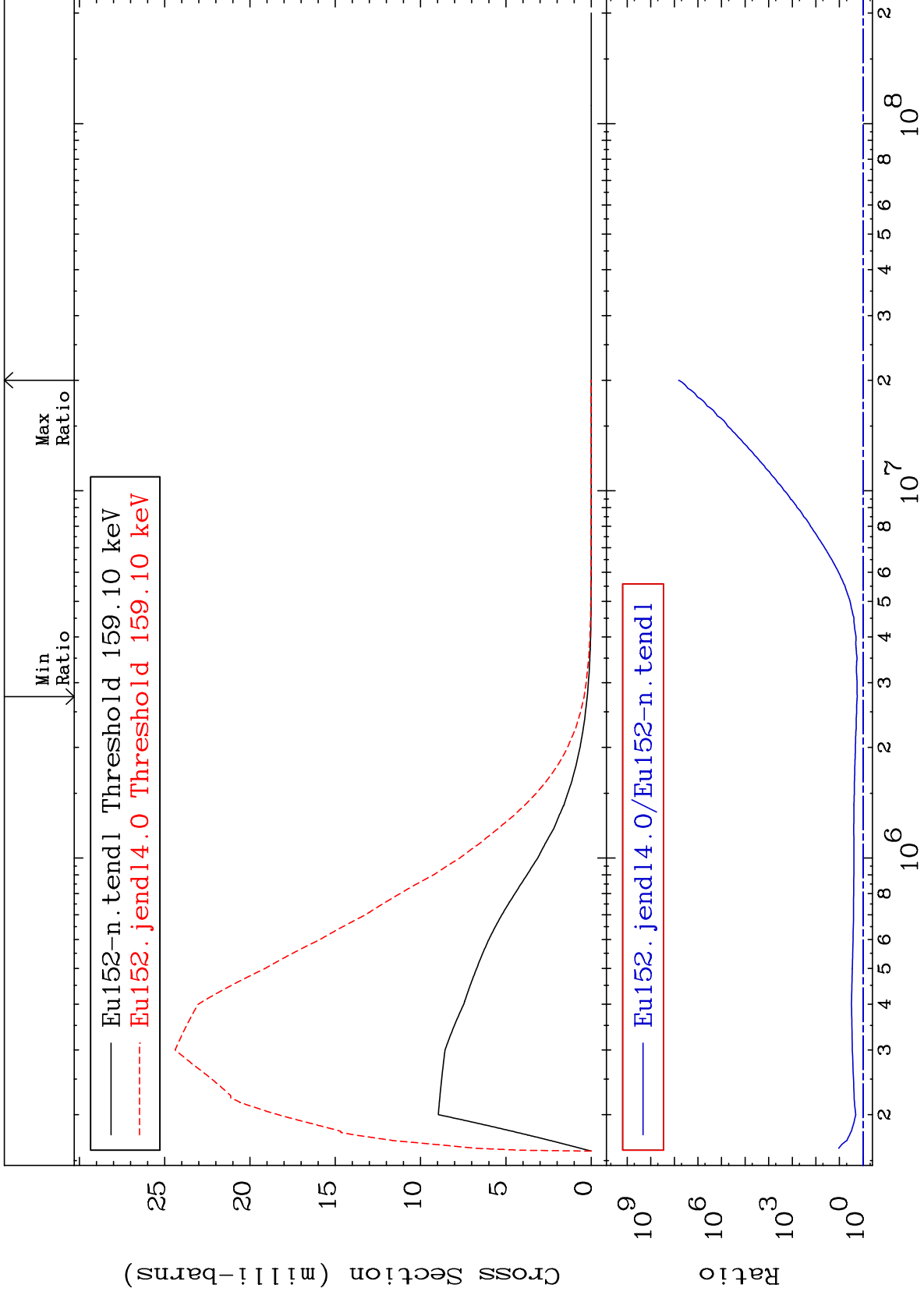
Incident Energy (eV)

63-Eu-152

MAT 6328

158.1 keV (n,n') Level  
Cross Section

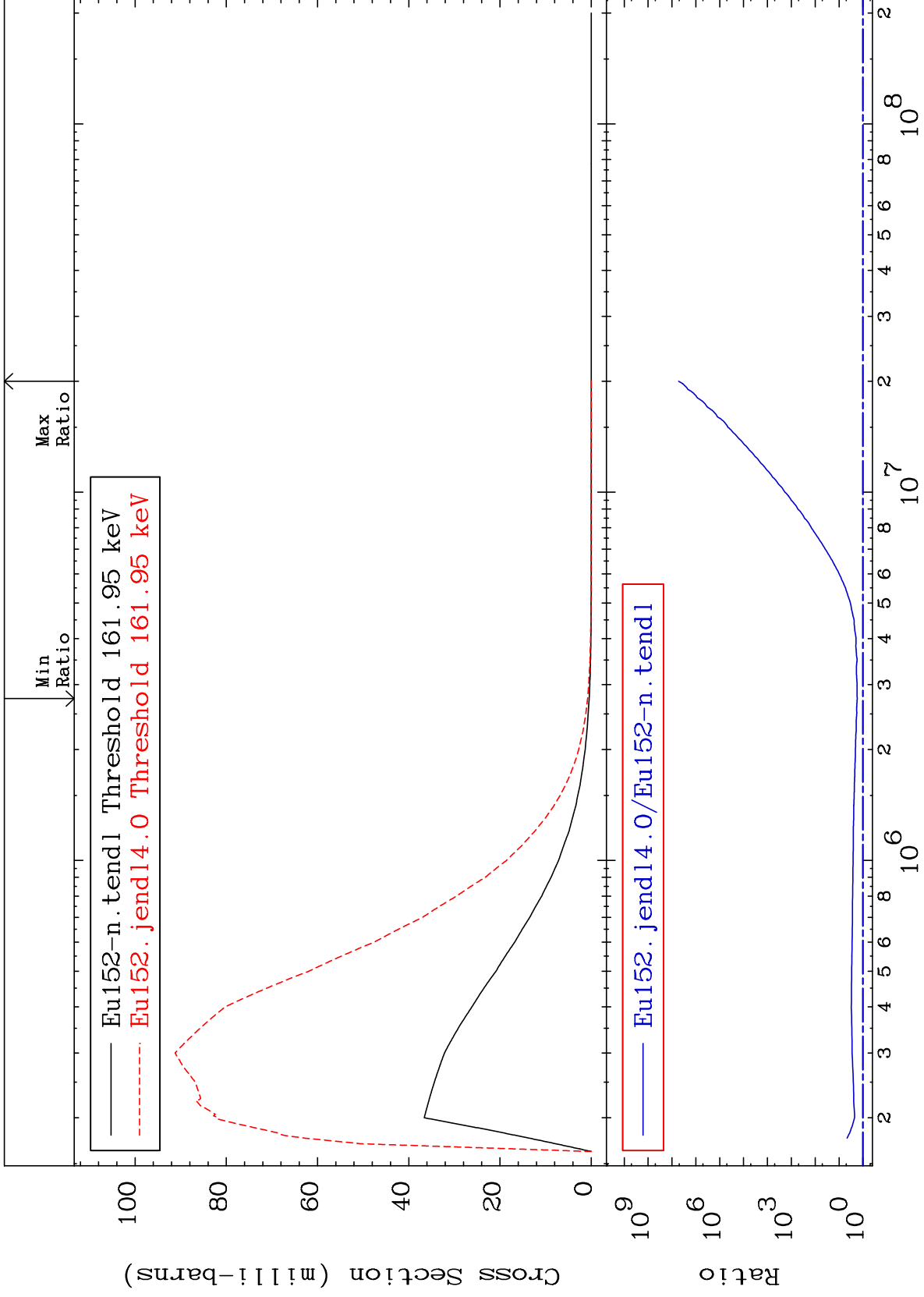
63-Eu-152  
75.90 To 9999. %



MAT 6328

160.9 keV (n,n') Level  
Cross Section

63-Eu-152  
73.16 To 9999. %

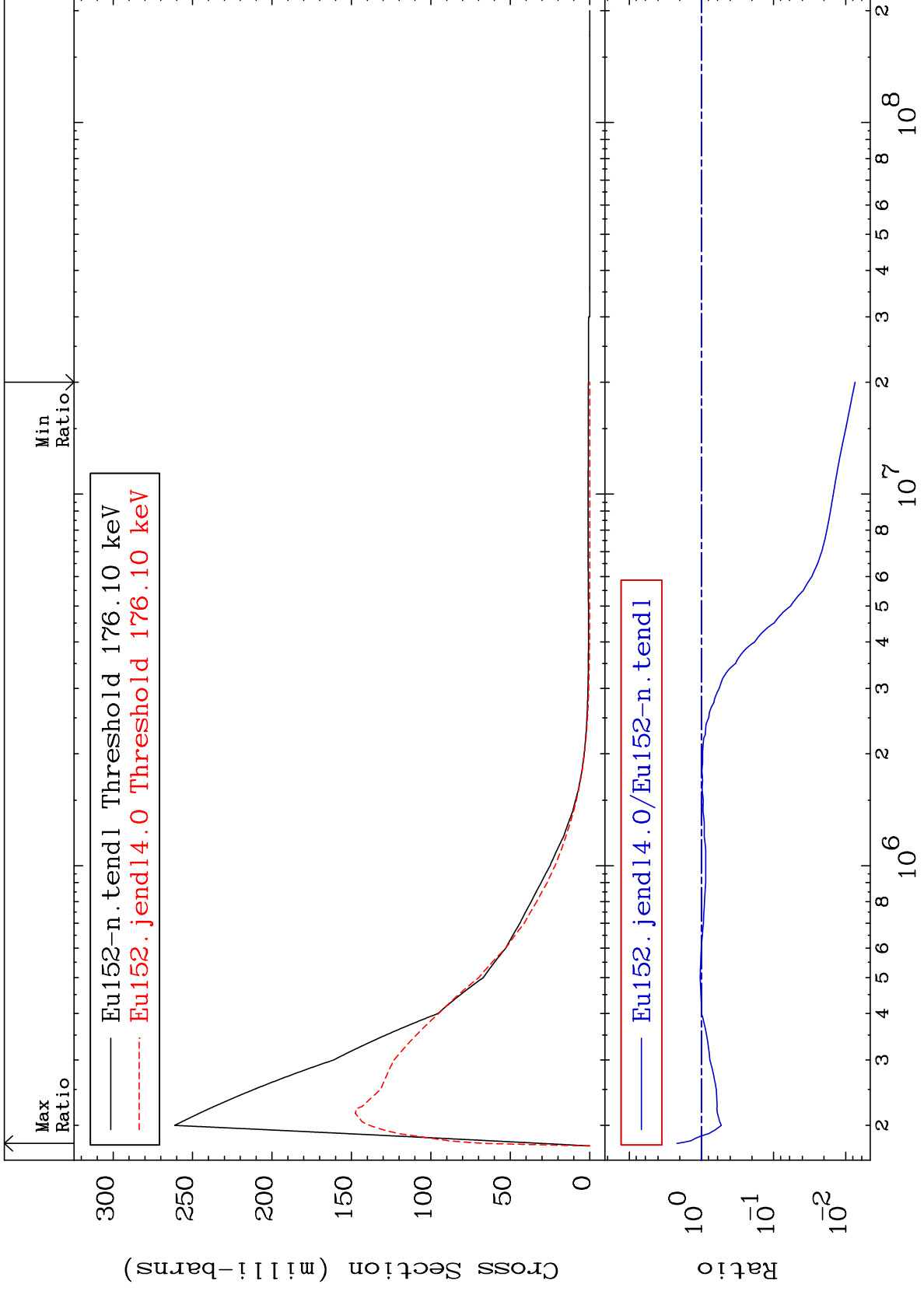




MAT 6328

174.9 keV (n,n') Level  
Cross Section

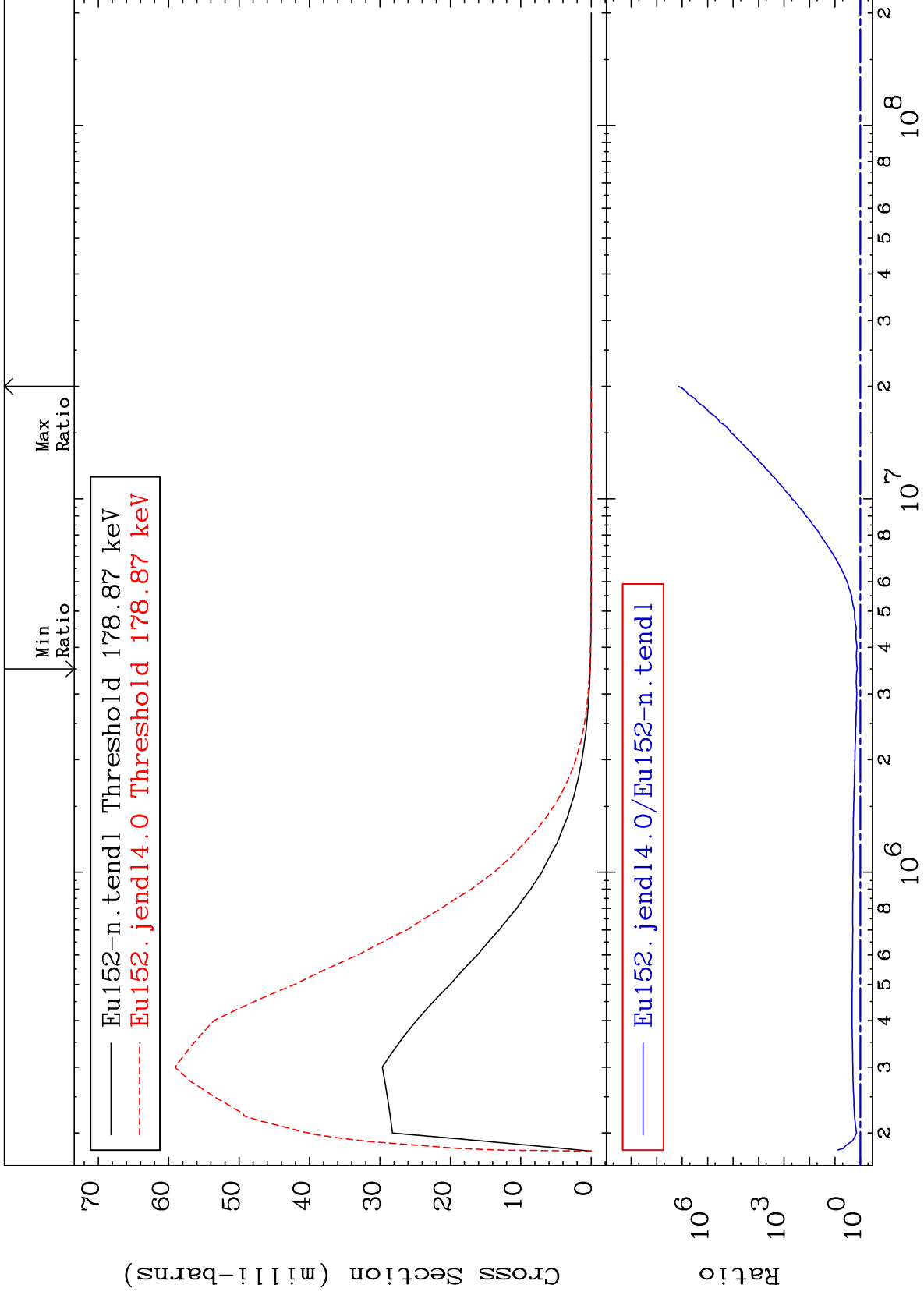
63-Eu-152  
-99.26 To 118.8 %



MAT 6328

177.7 keV (n,n') Level  
Cross Section

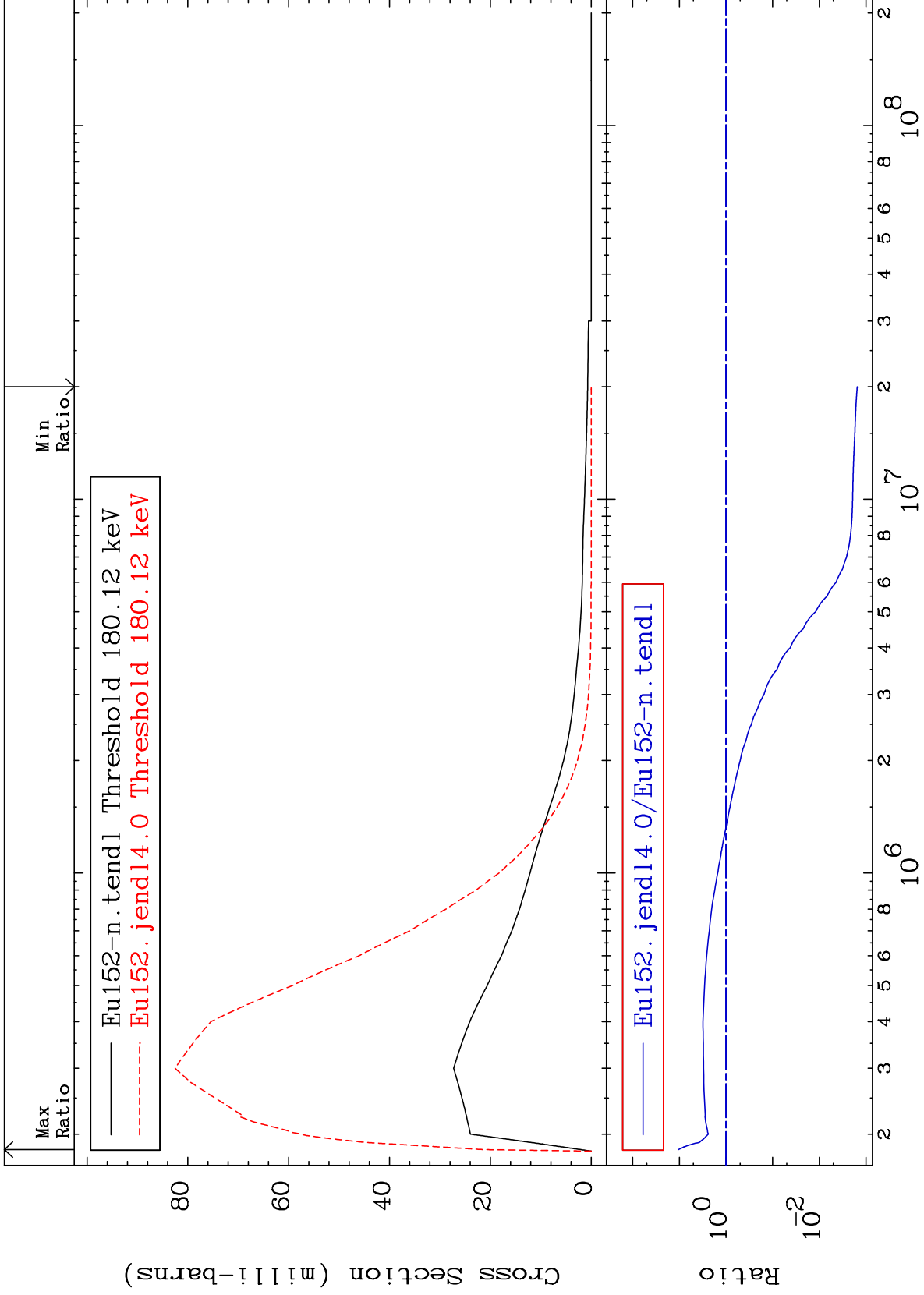
63-Eu-152  
33.75 To 9999. %



MAT 6328

178.9 keV (n,n') Level  
Cross Section

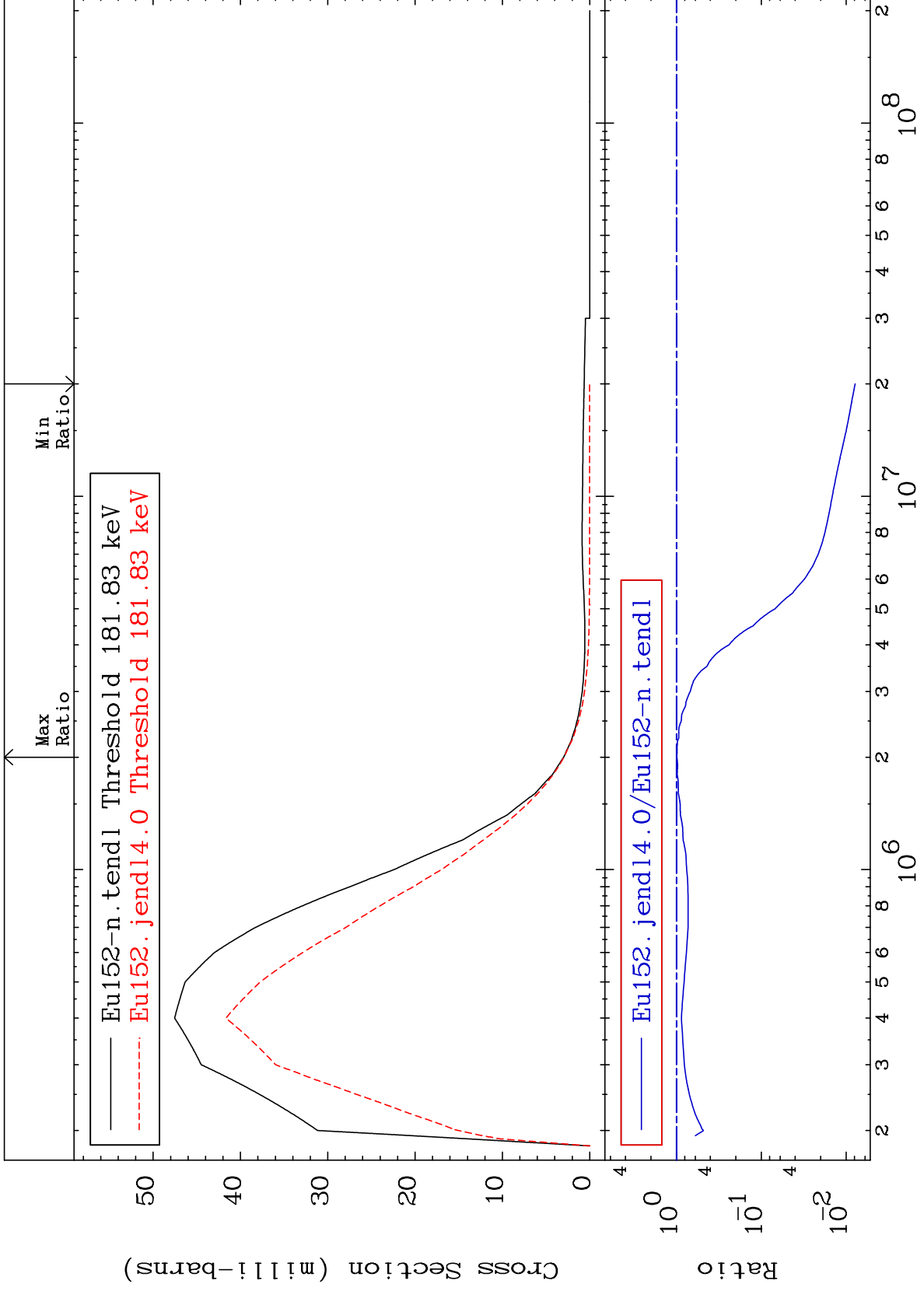
63-Eu-152  
-99.85 To 936.6 %



MAT 6328

180.6 keV (n,n') Level  
Cross Section

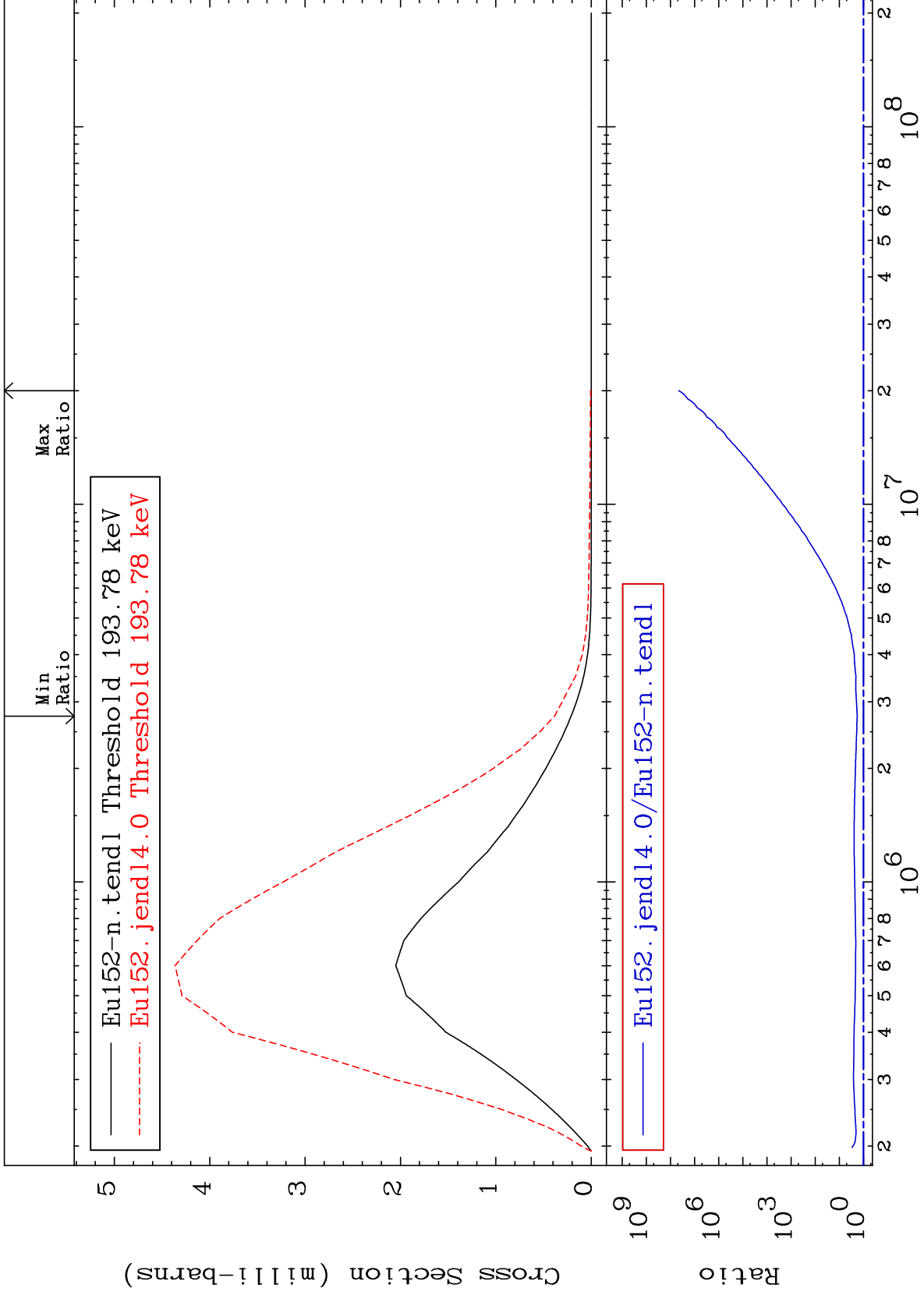
63-Eu-152  
-99.21 To -1.108%



MAT 6328

192.5 keV (n,n') Level  
Cross Section

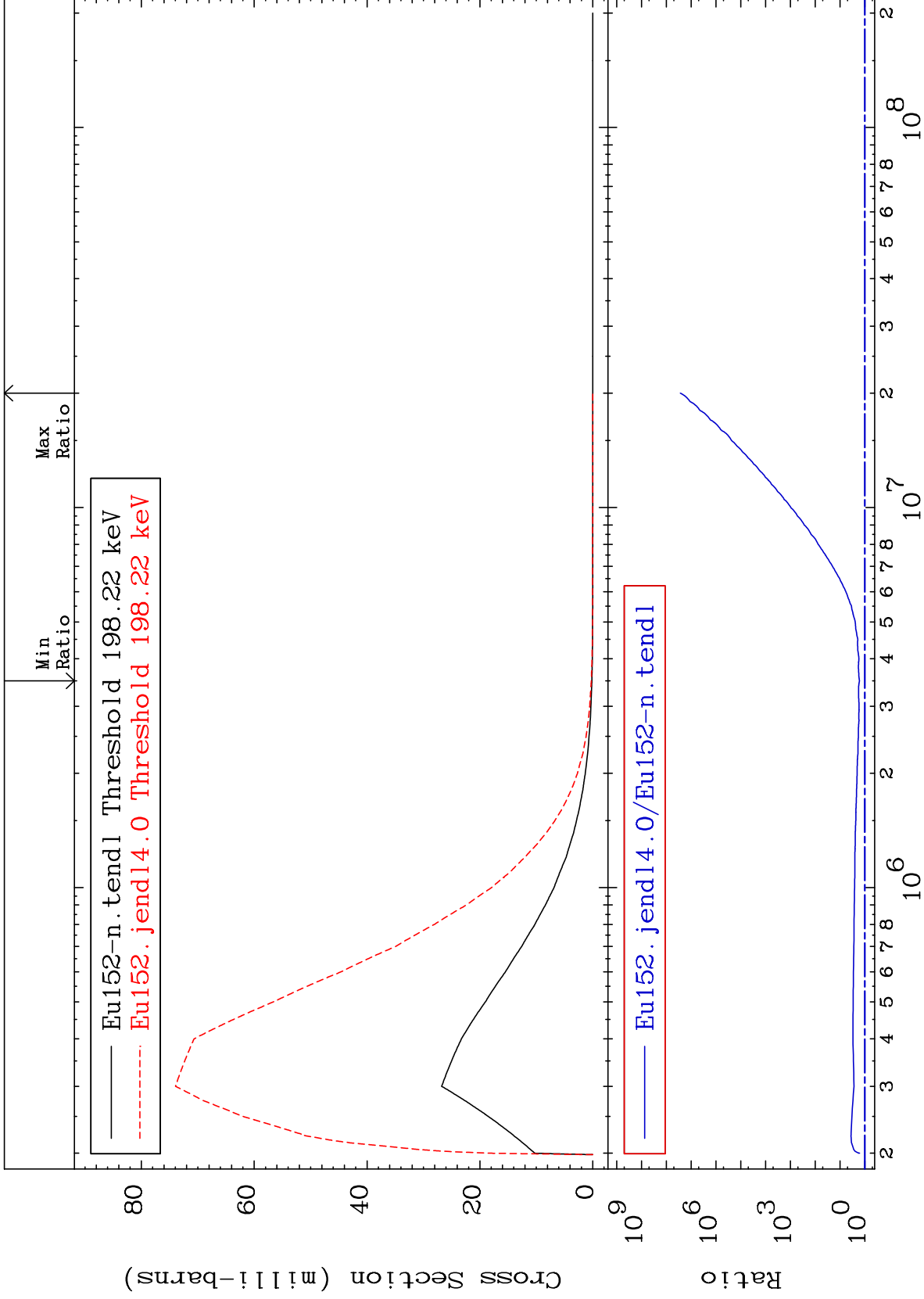
63-Eu-152  
81.83 To 9999. %



MAT 6328

196.9 keV (n,n') Level  
Cross Section

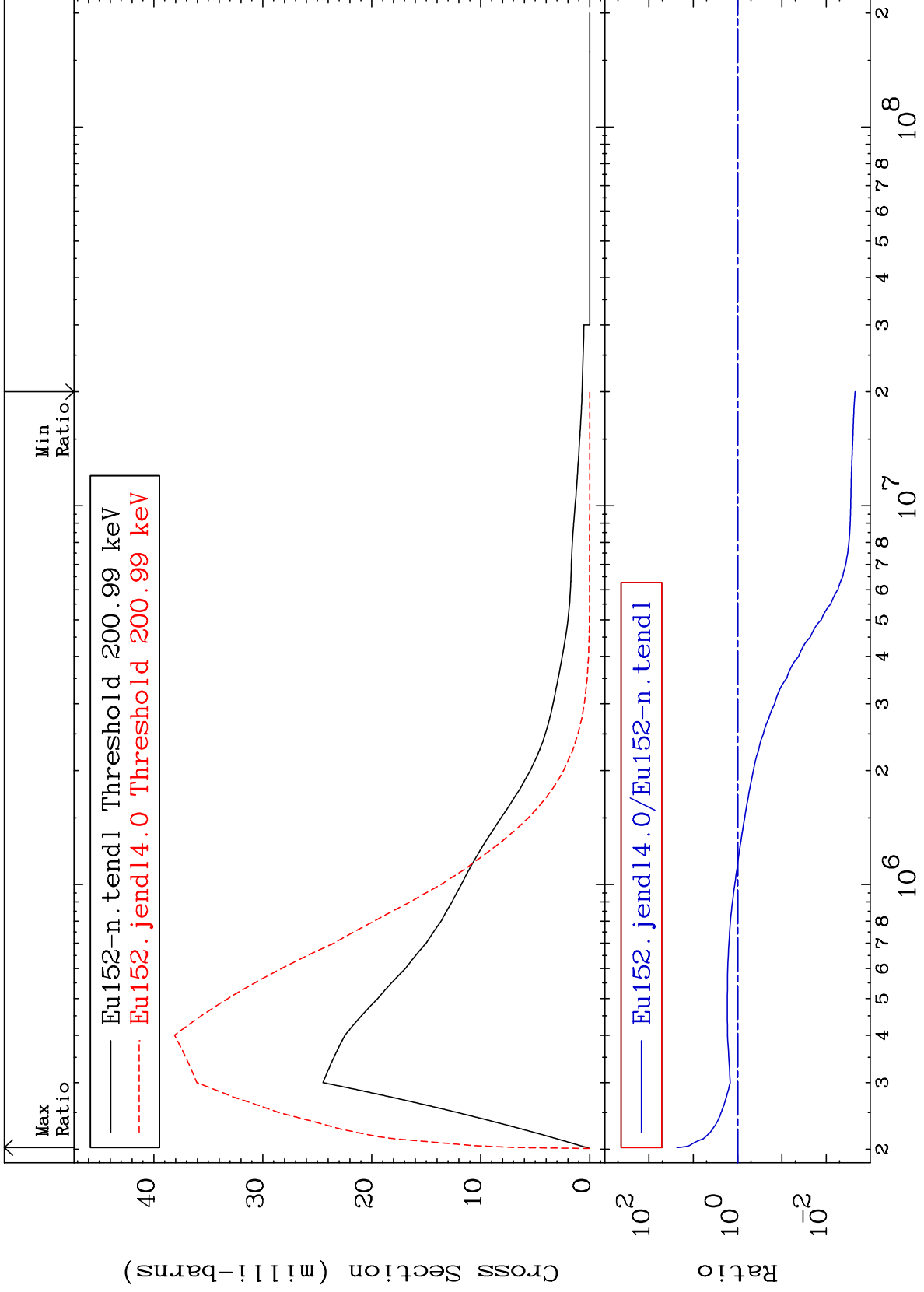
63-Eu-152  
66.03 To 9999. %



MAT 6328

199.7 keV (n,n') Level  
Cross Section

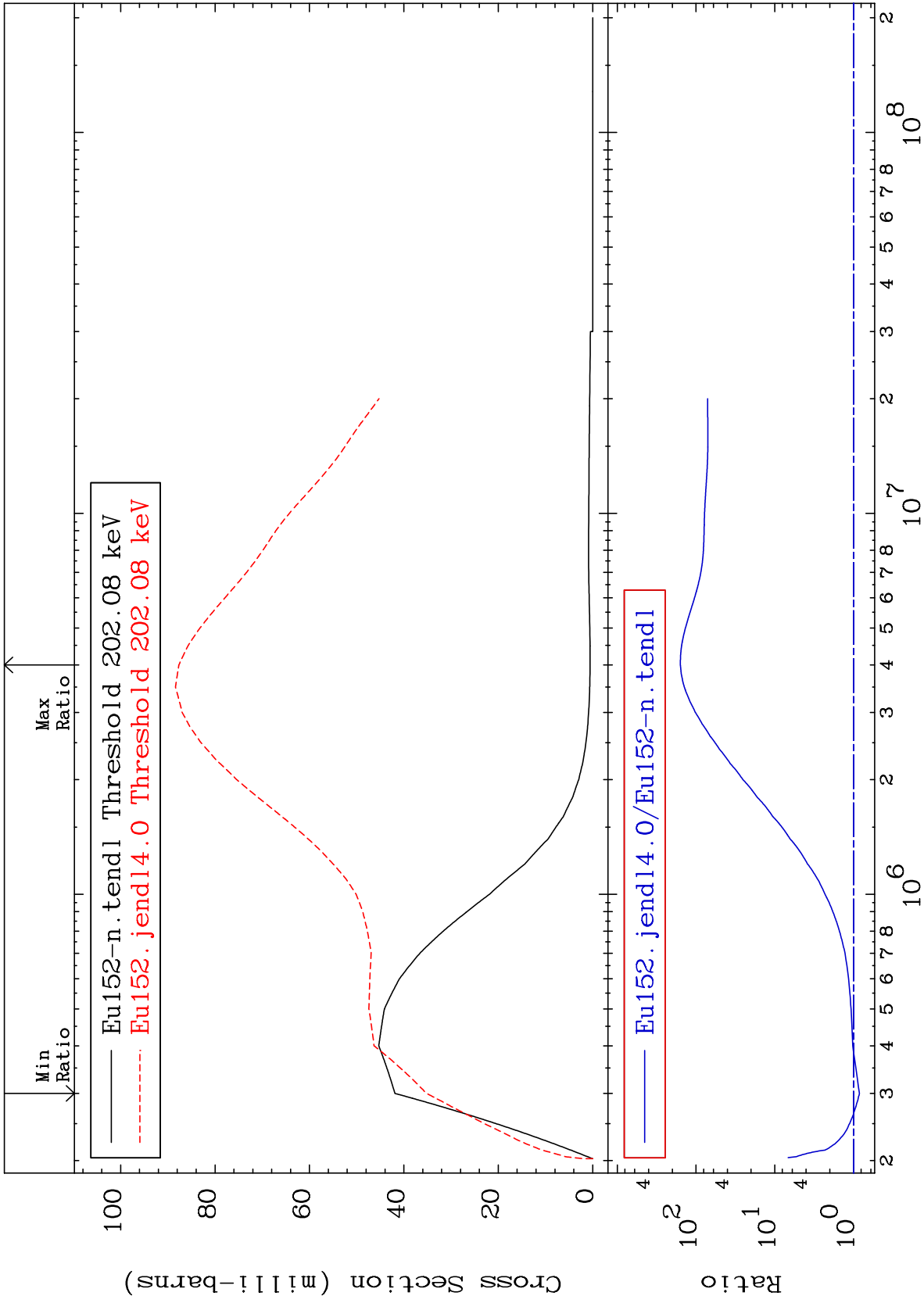
63-Eu-152  
-99.78 To 2237. %



MAT 6328

200.7 keV (n,n') Level  
Cross Section

63-Eu-152  
-15.93 To 9999. %



40

Incident Energy (eV)

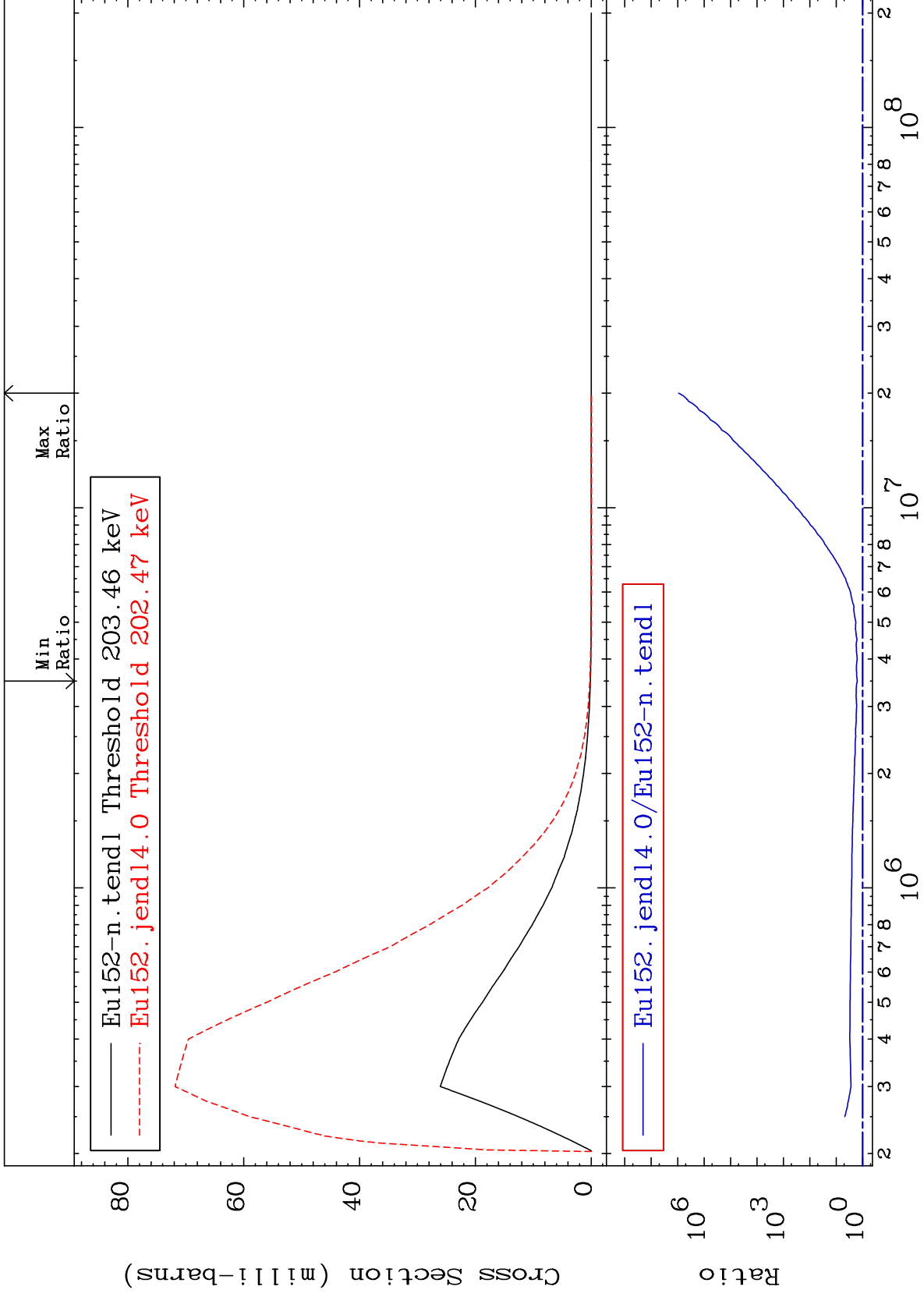
63-Eu-152



MAT 6328

202.1 keV (n,n') Level  
Cross Section

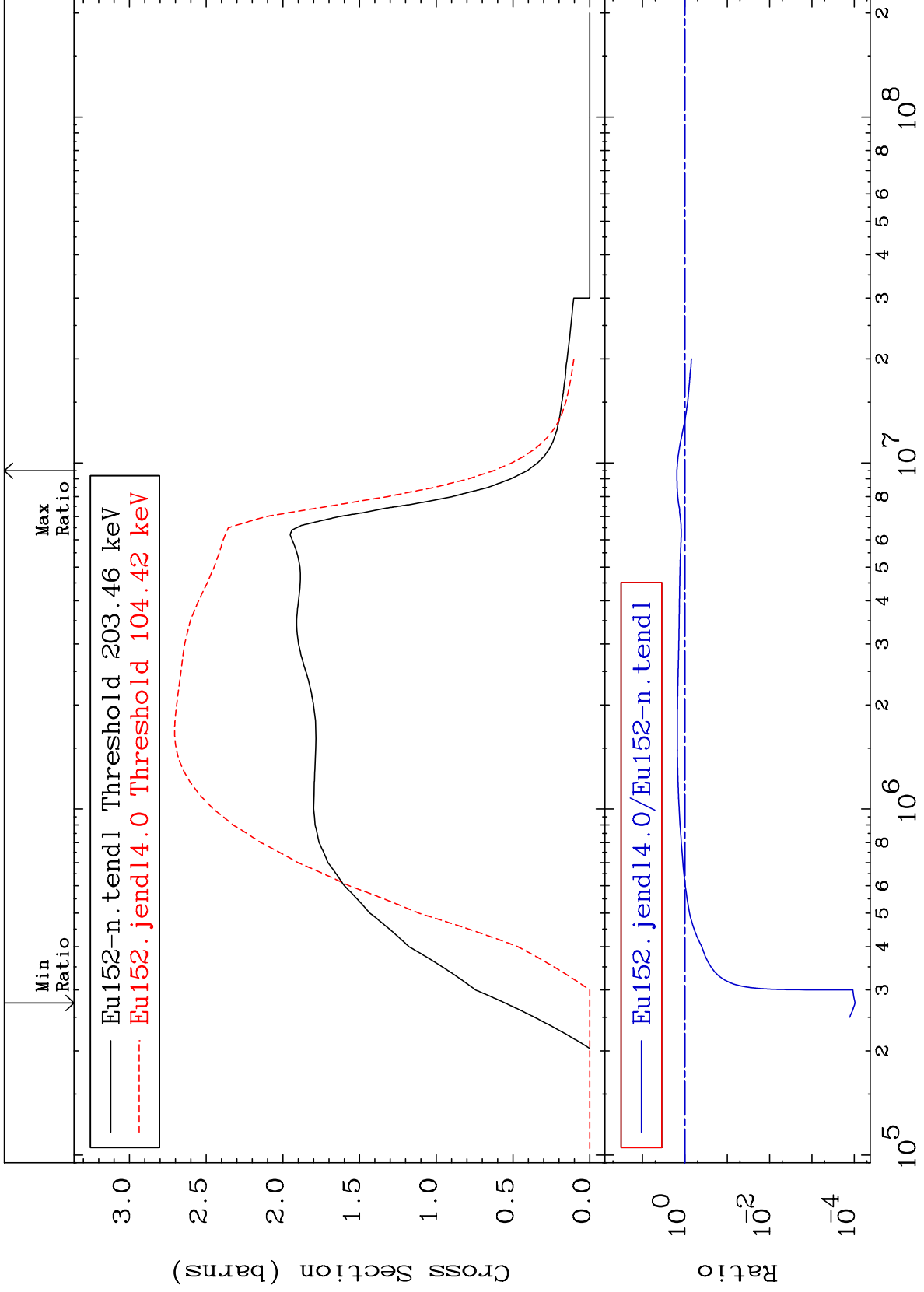
63-Eu-152  
59.19 To 9999. %



MAT 6328

(n, n') Continuum  
Cross Section

63-Eu-152  
-99.99 To 53.95 %



42

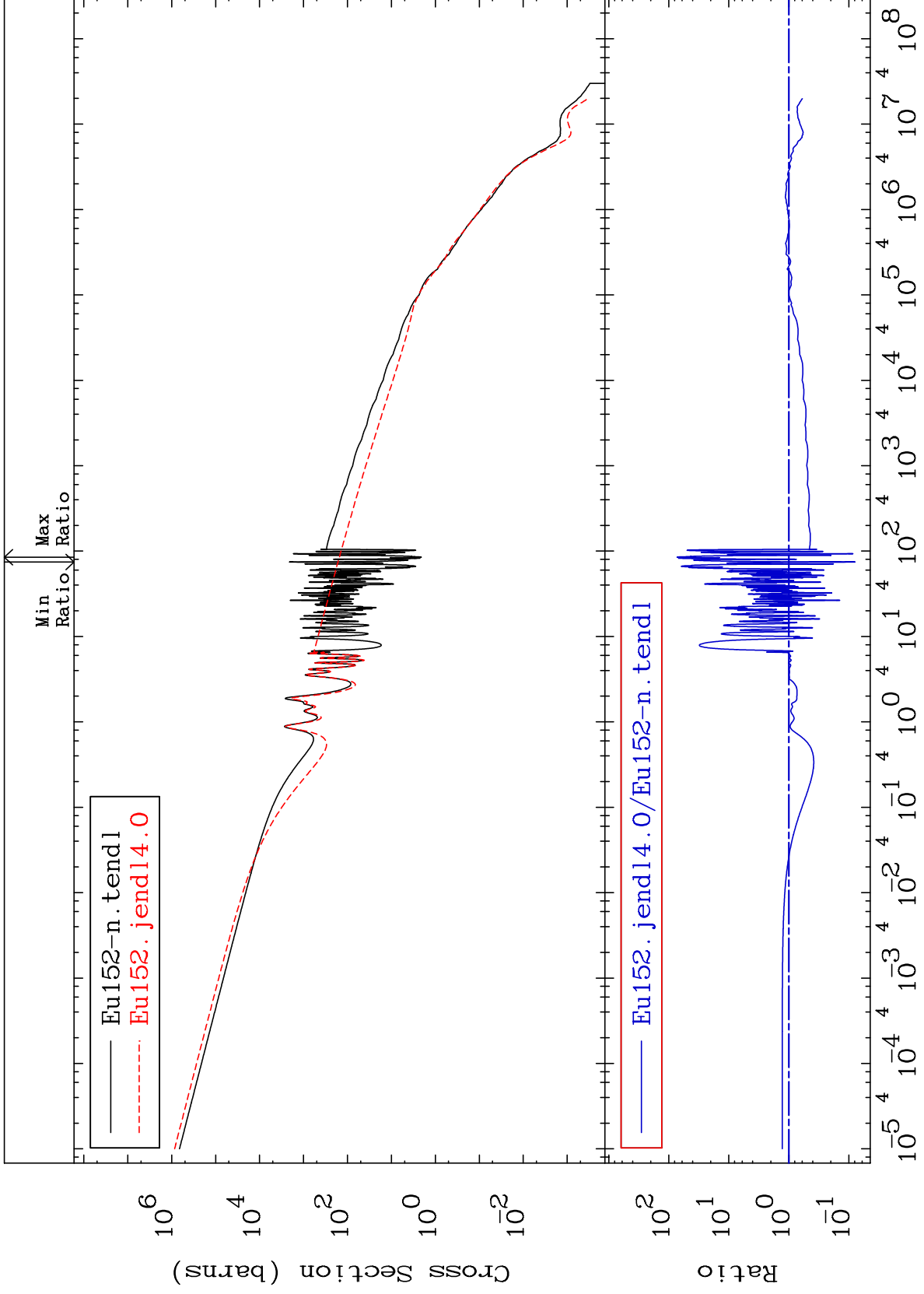
Incident Energy (eV)

63-Eu-152

MAT 6328

(n,  $\gamma$ )  
Cross Section

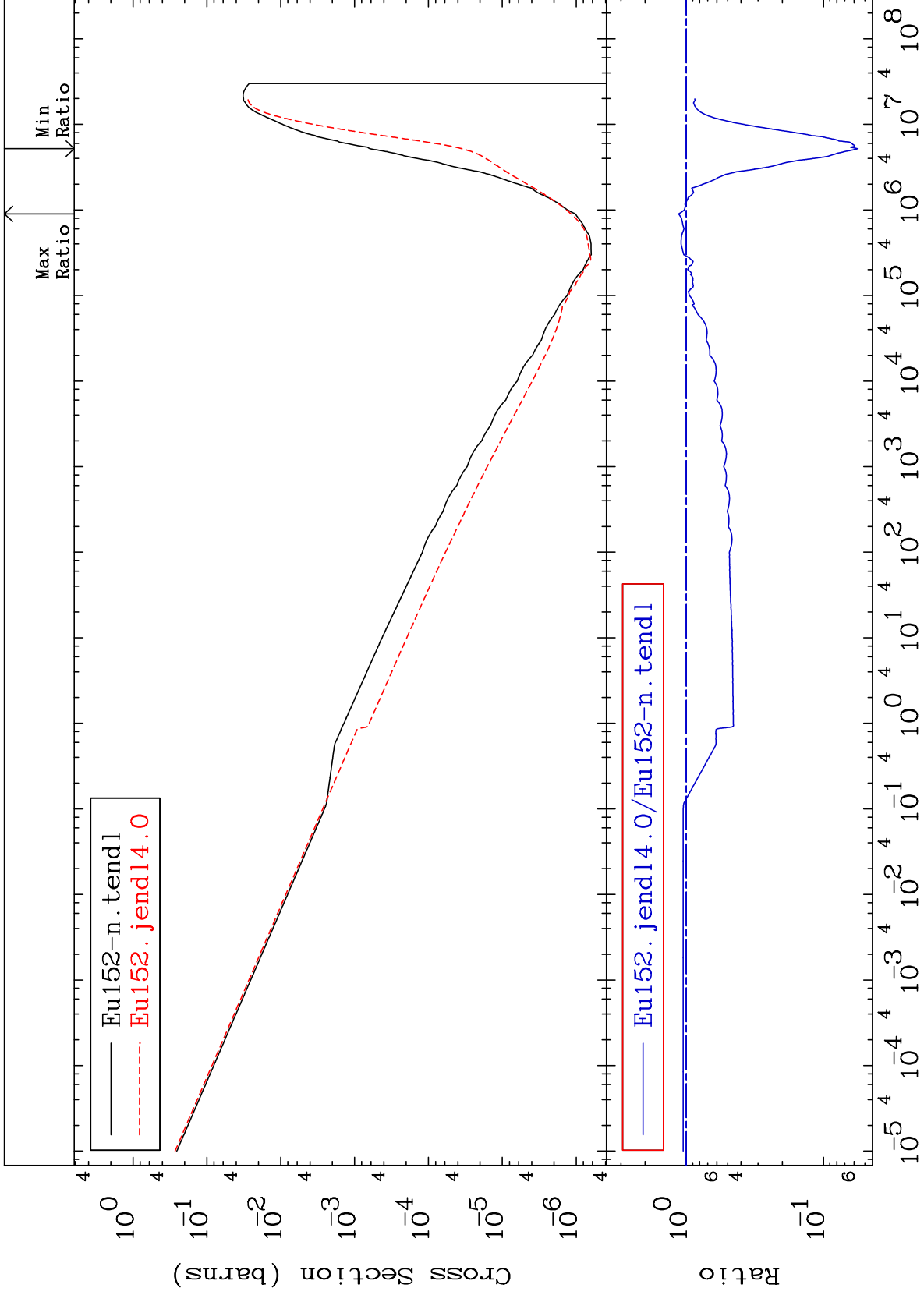
63-Eu-152  
-92.15 To 7237. %



MAT 6328

(n,p)  
Cross Section

63-Eu-152  
-94.31 To 13.84 %



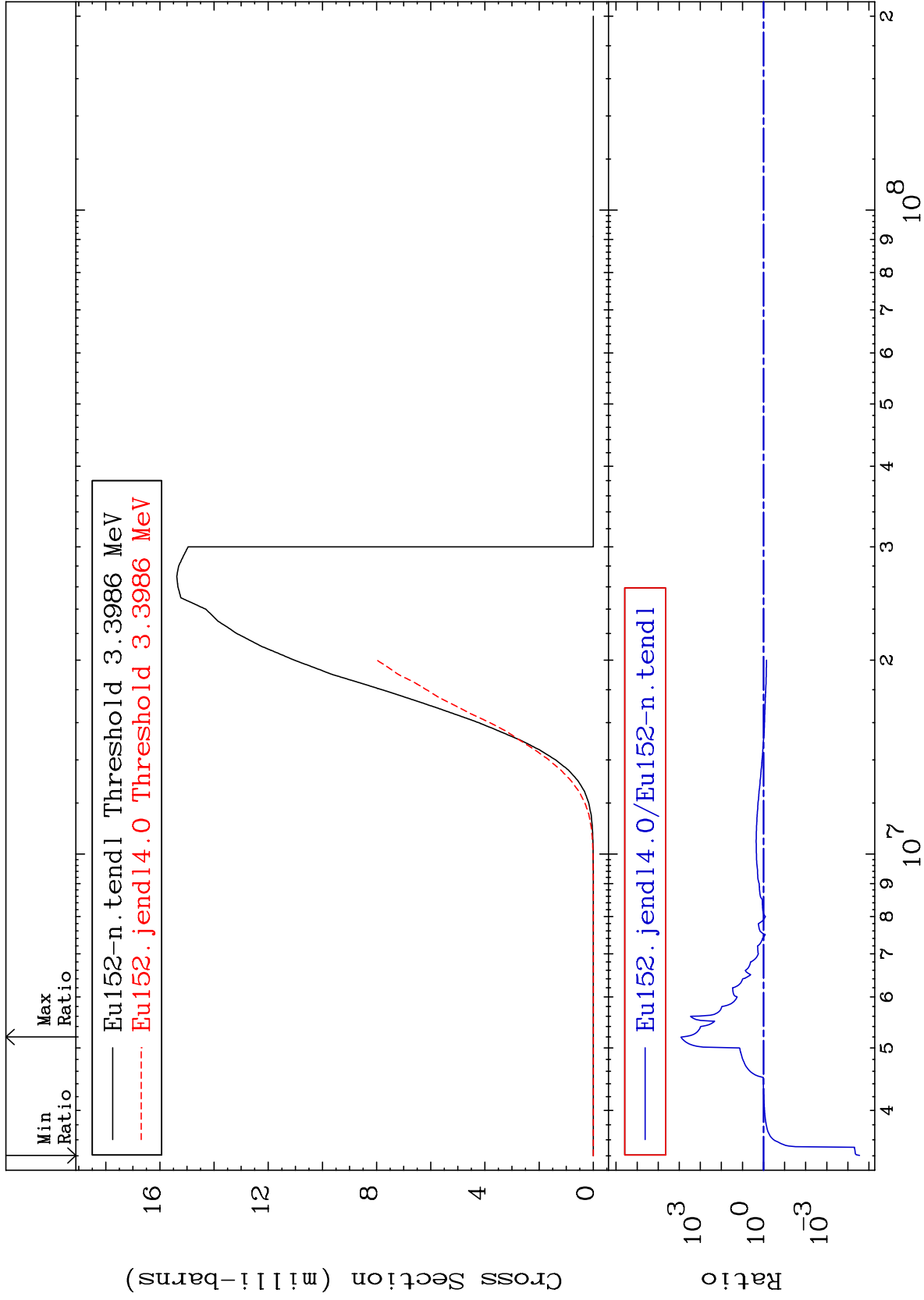
MAT 6328

(n, d)

63-Eu-152

Cross Section

-100.0 To 9999. %



45

Incident Energy (eV)

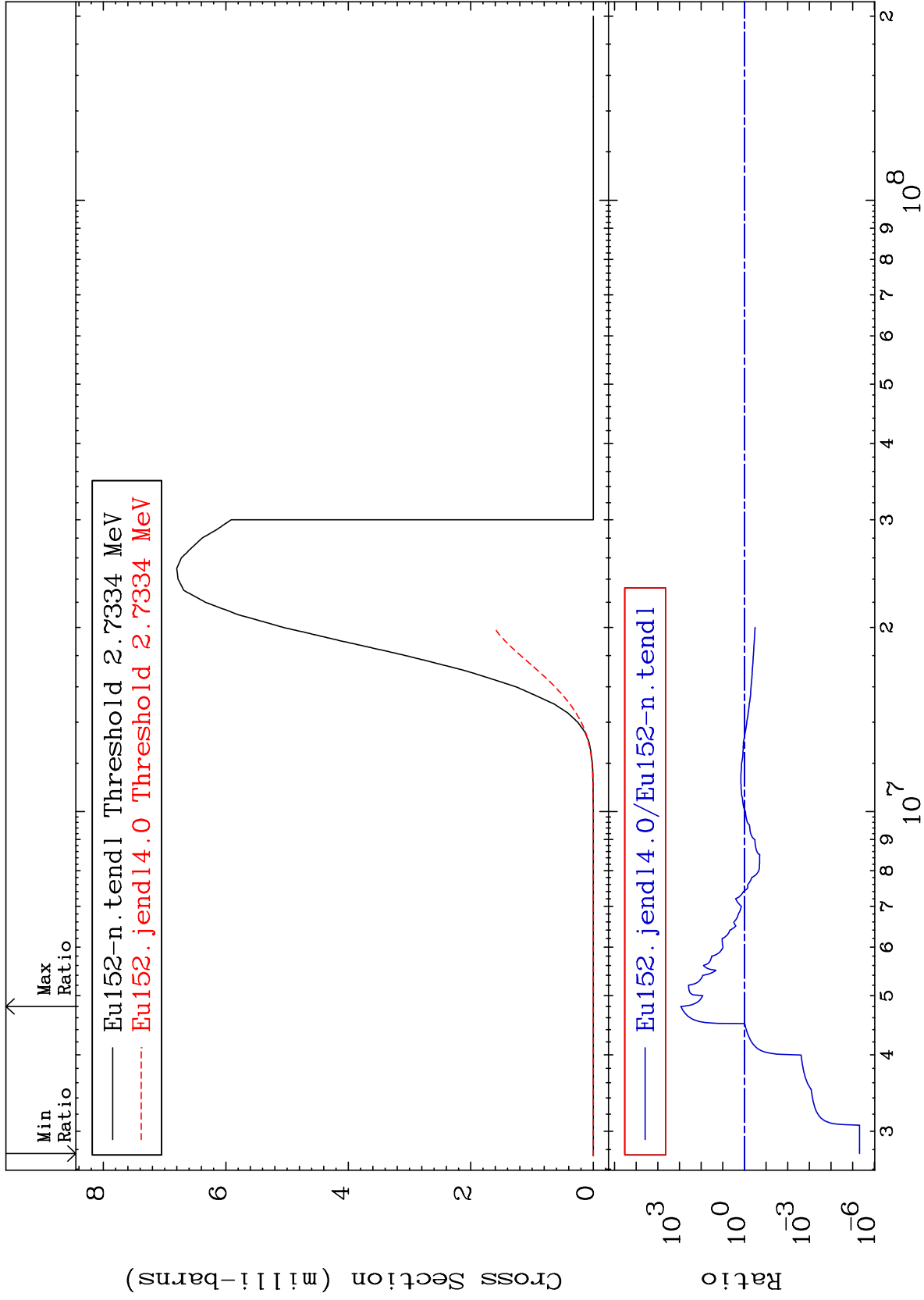
63-Eu-152

MAT 6328

63-Eu-152

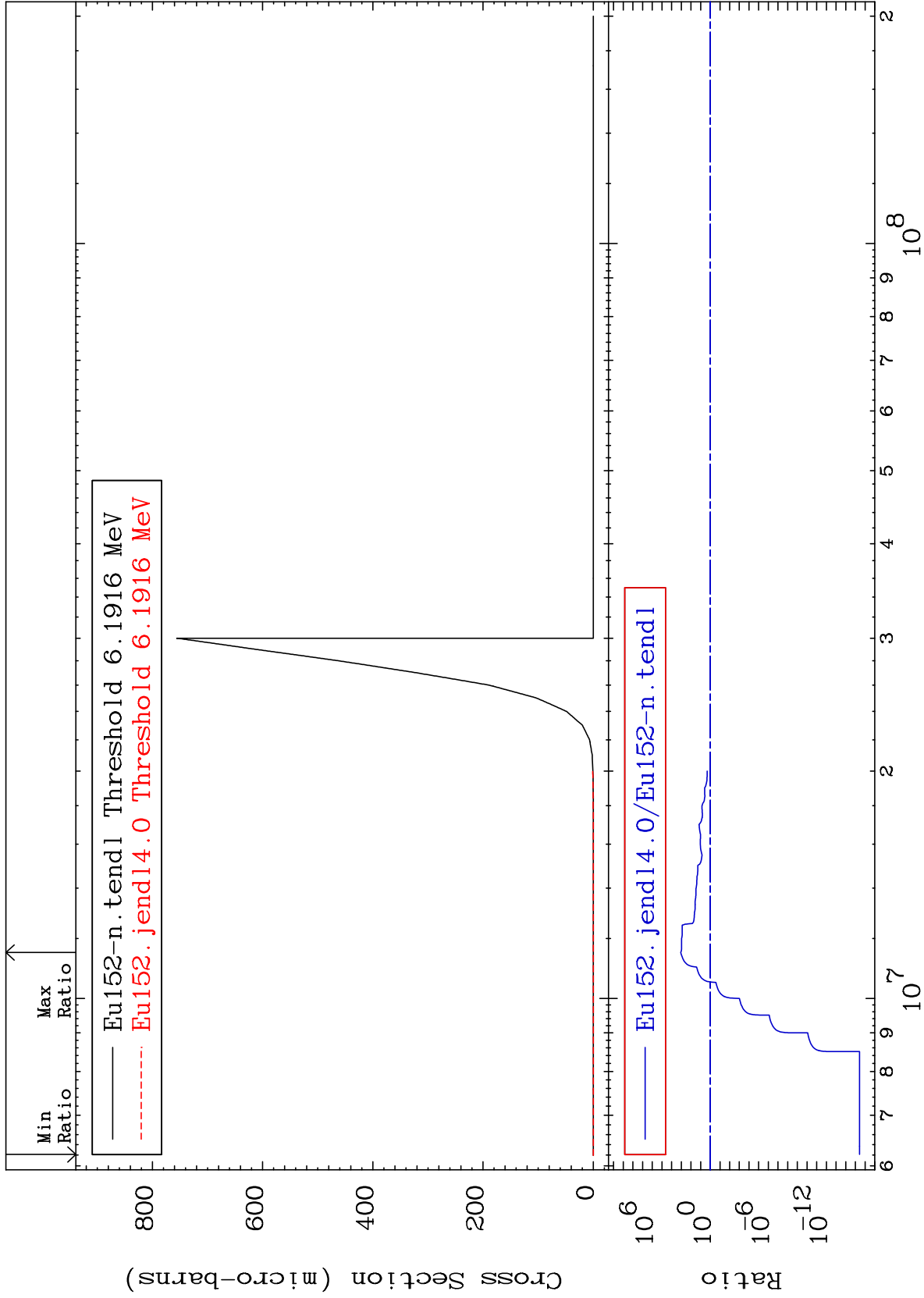
(n, t)  
Cross Section

-100.0 To 9999. %



Cross Section

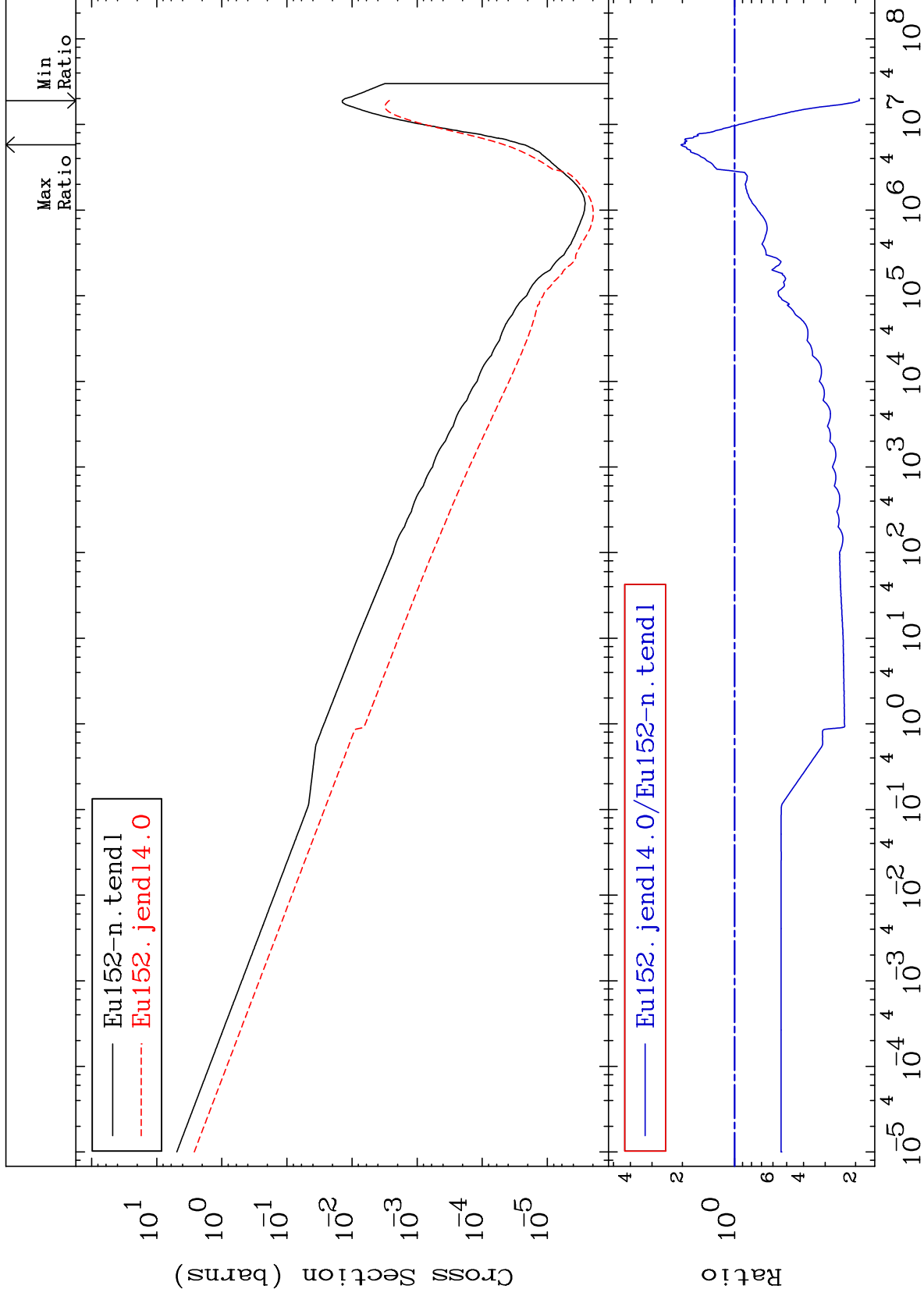
-100.0 To 9999. %



MAT 6328

(n,  $\alpha$ )  
Cross Section

63-Eu-152  
-81.01 To 104.6 %

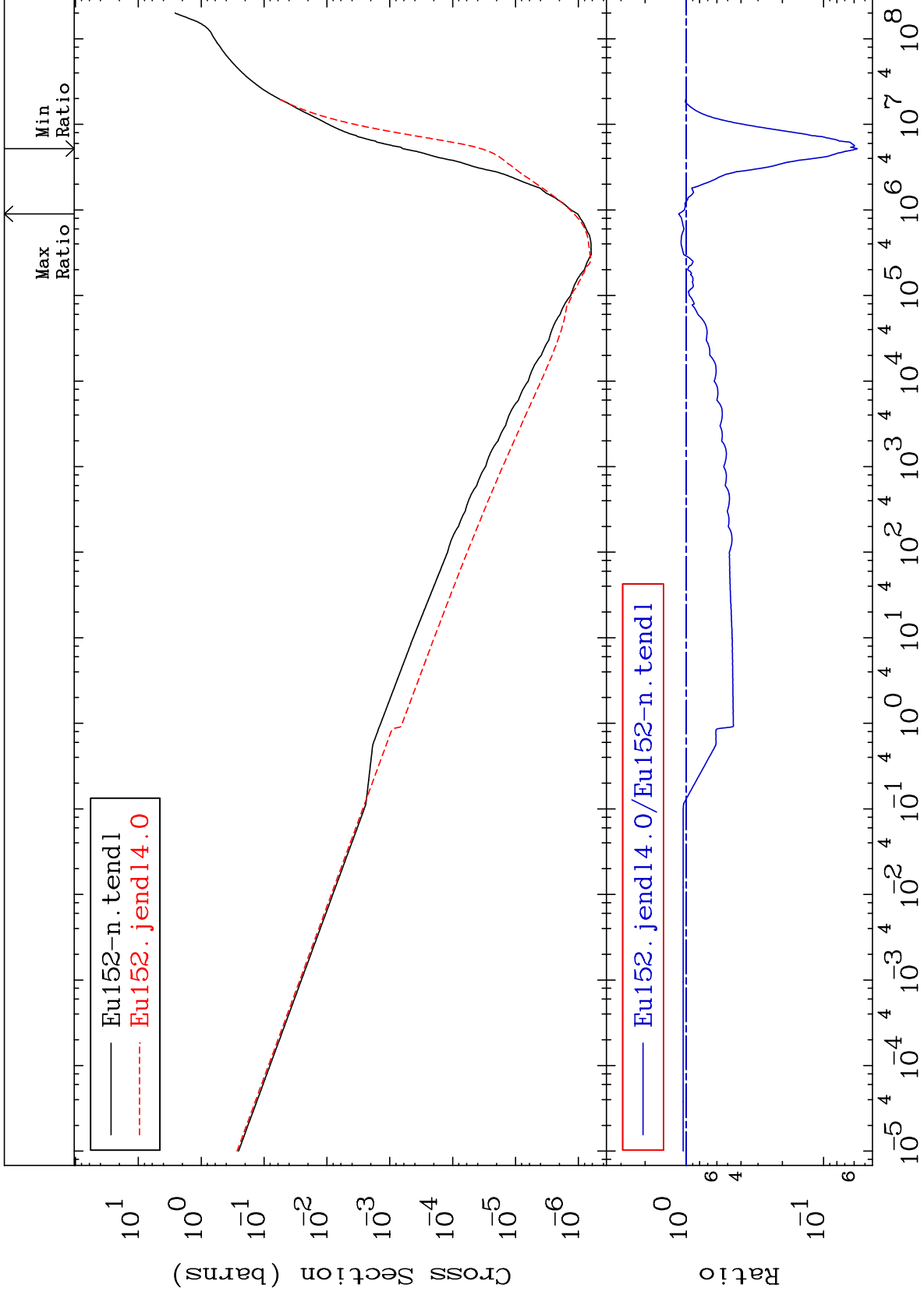




MAT 6328

### Hydrogen Production Cross Section

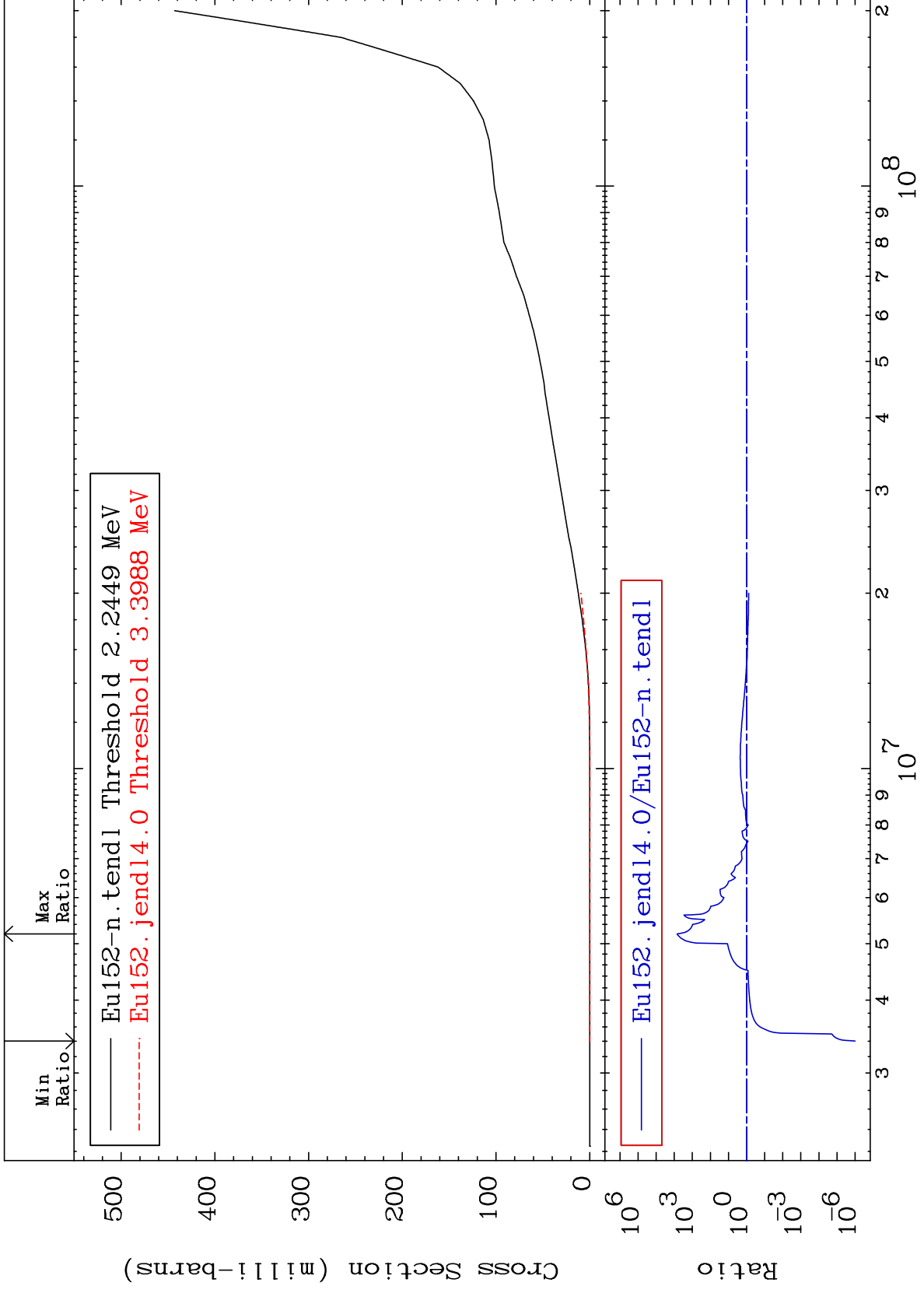
63-Eu-152  
-94.31 To 13.84 %



MAT 6328

Deuterium Production  
Cross Section

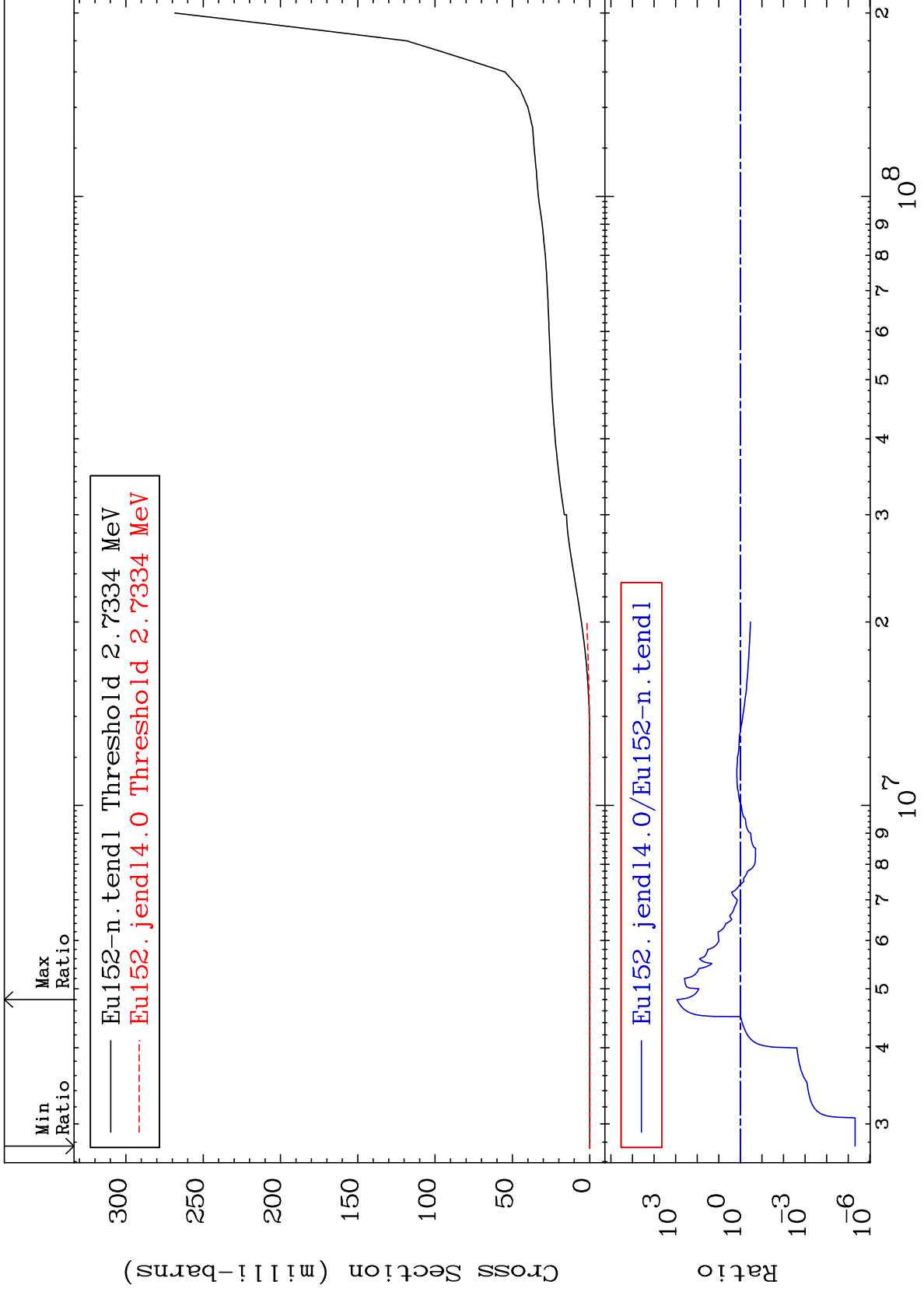
63-Eu-152  
-100.0 To 9999. %



MAT 6328

Tritium Production  
Cross Section

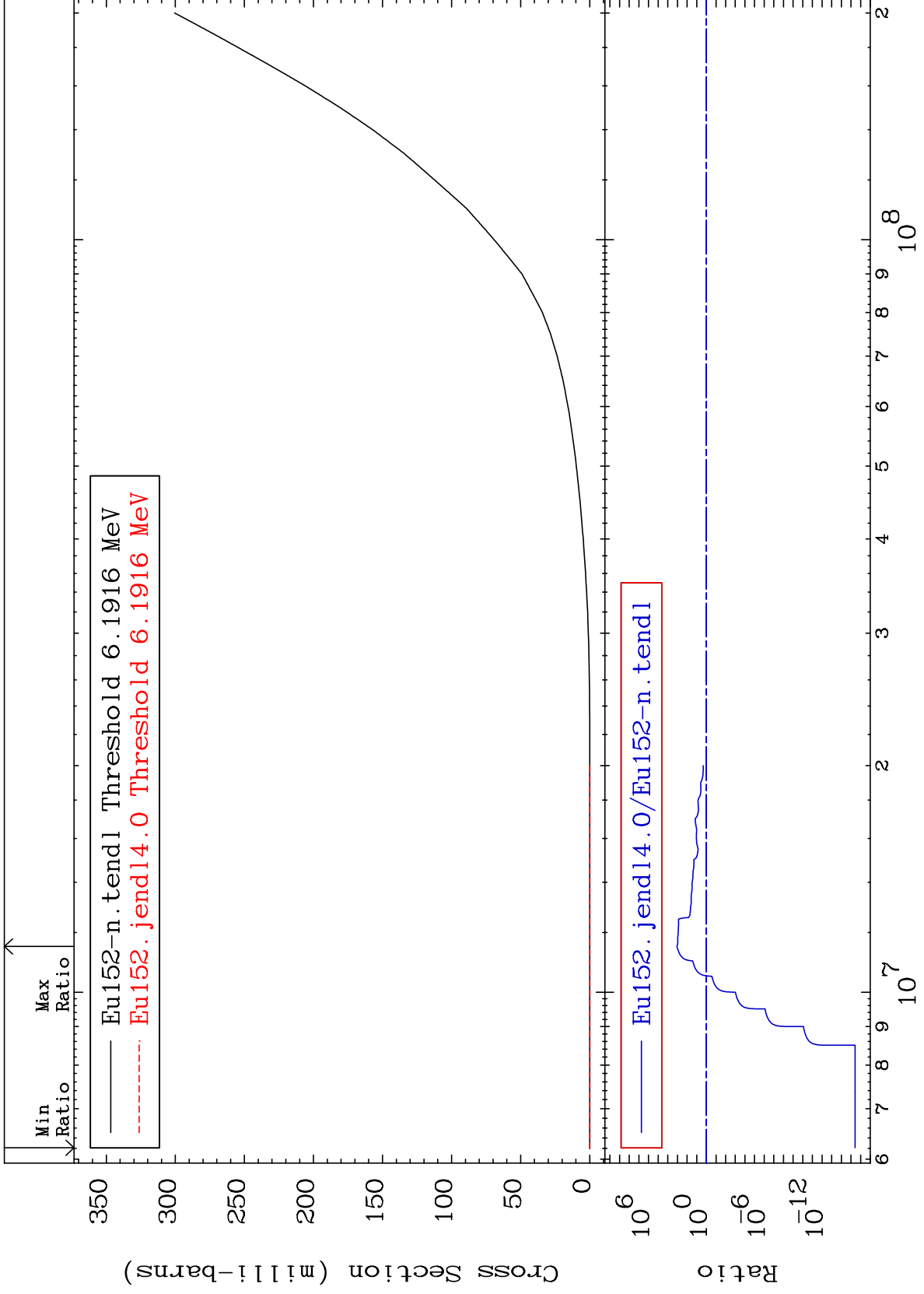
63-Eu-152  
-100.0 To 9999. %



MAT 6328

He-3 Production  
Cross Section

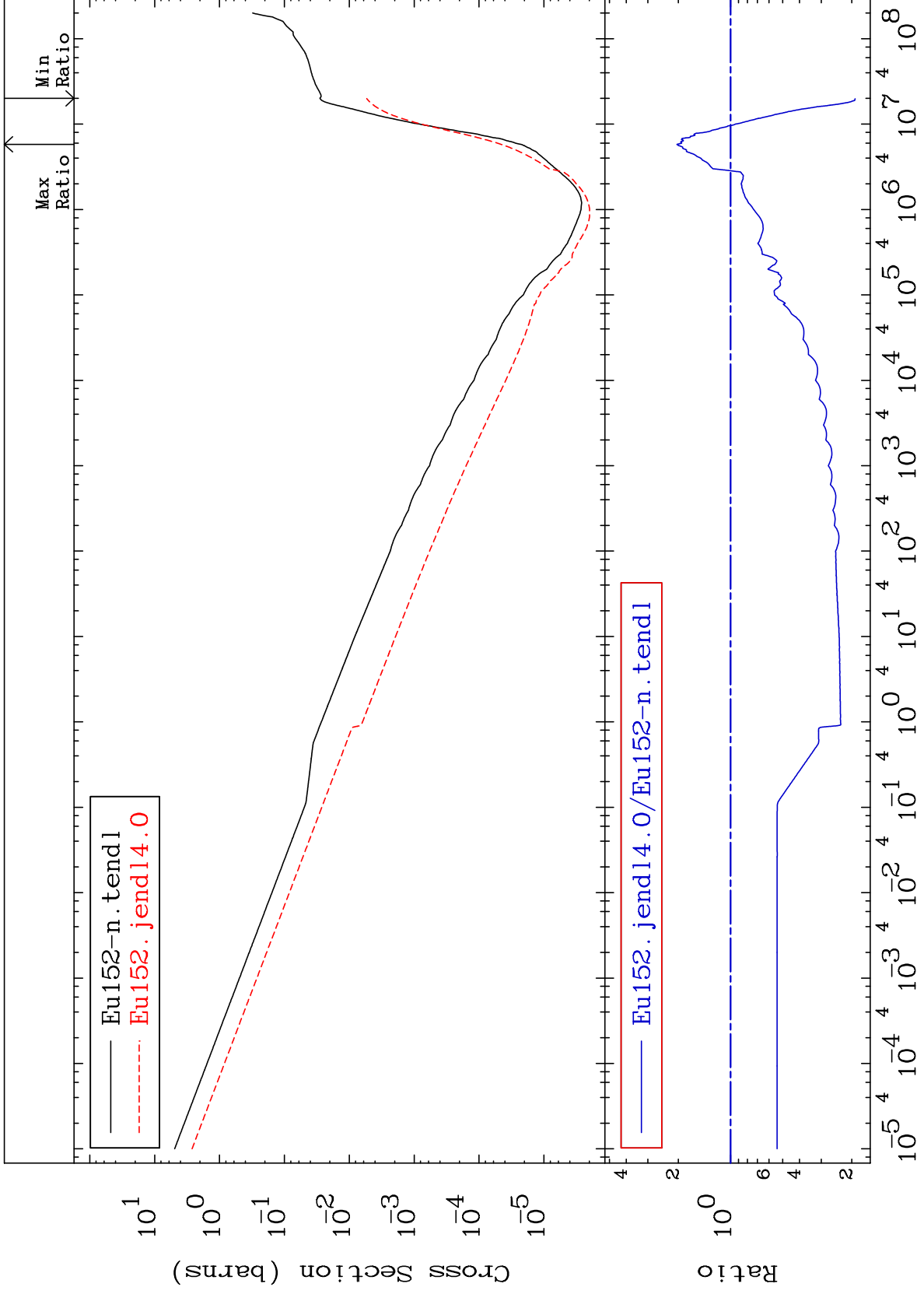
63-Eu-152  
-100.0 To 9999. %

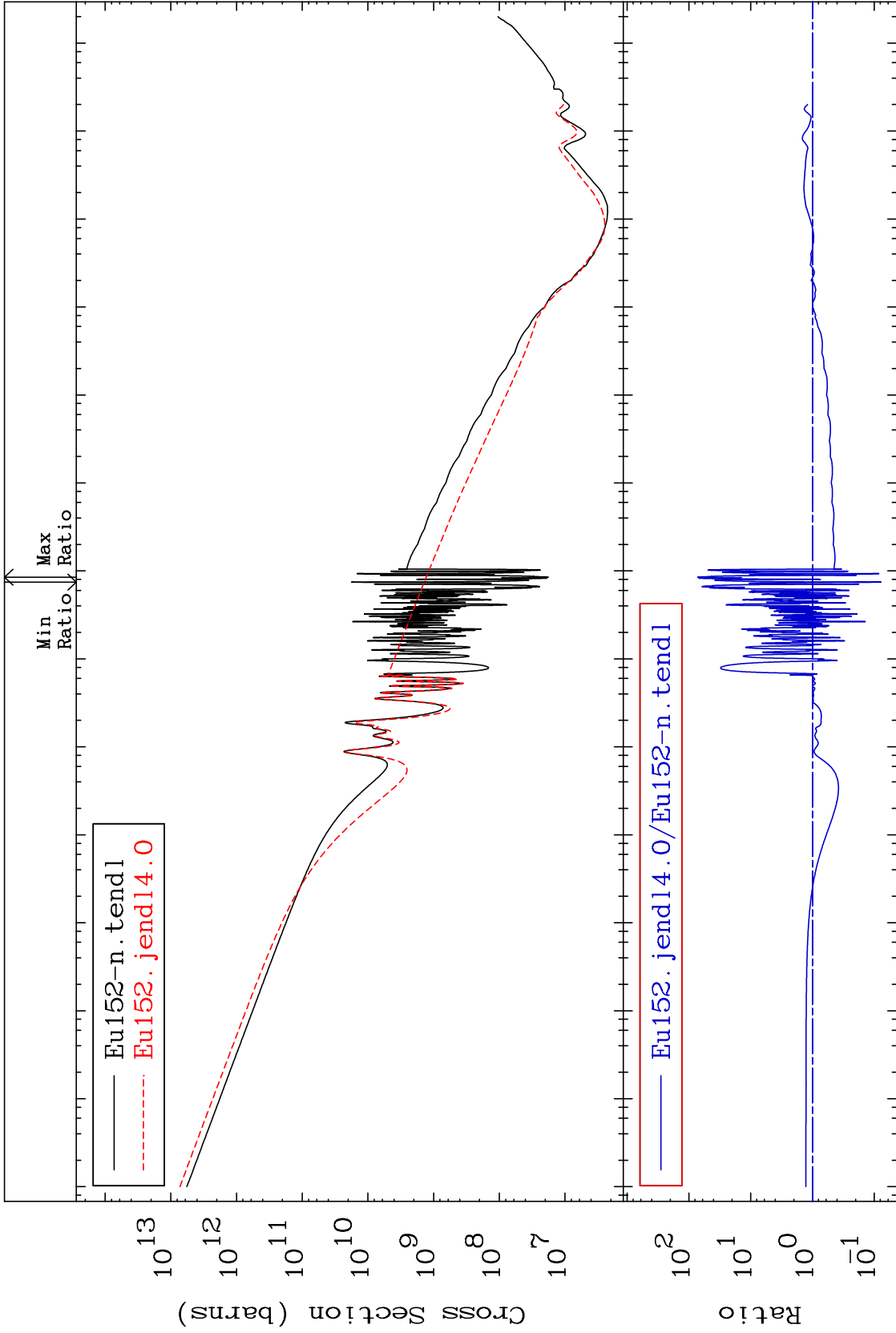


MAT 6328

He-4 Production  
Cross Section

63-Eu-152  
-80.88 To 103.9 %

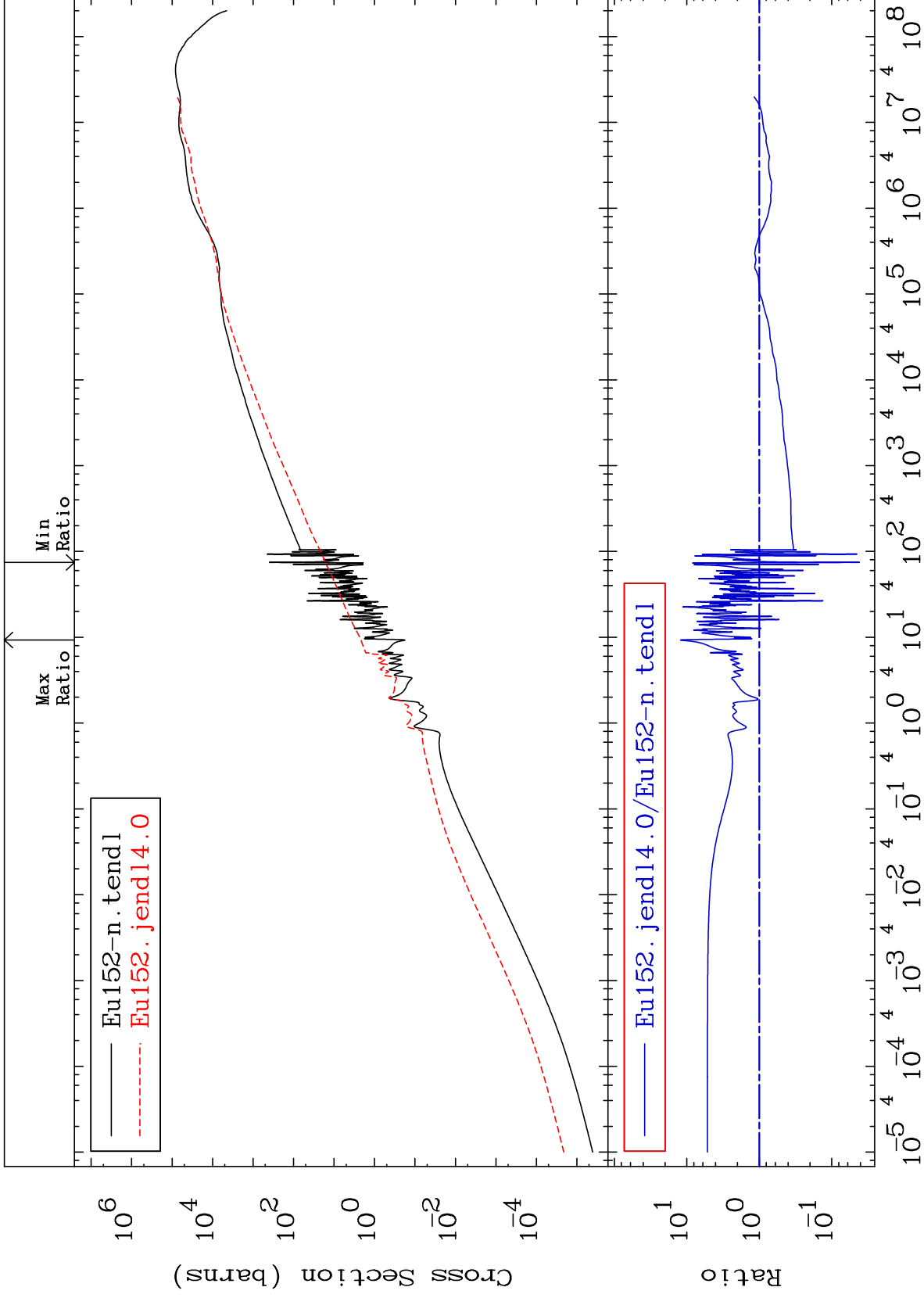


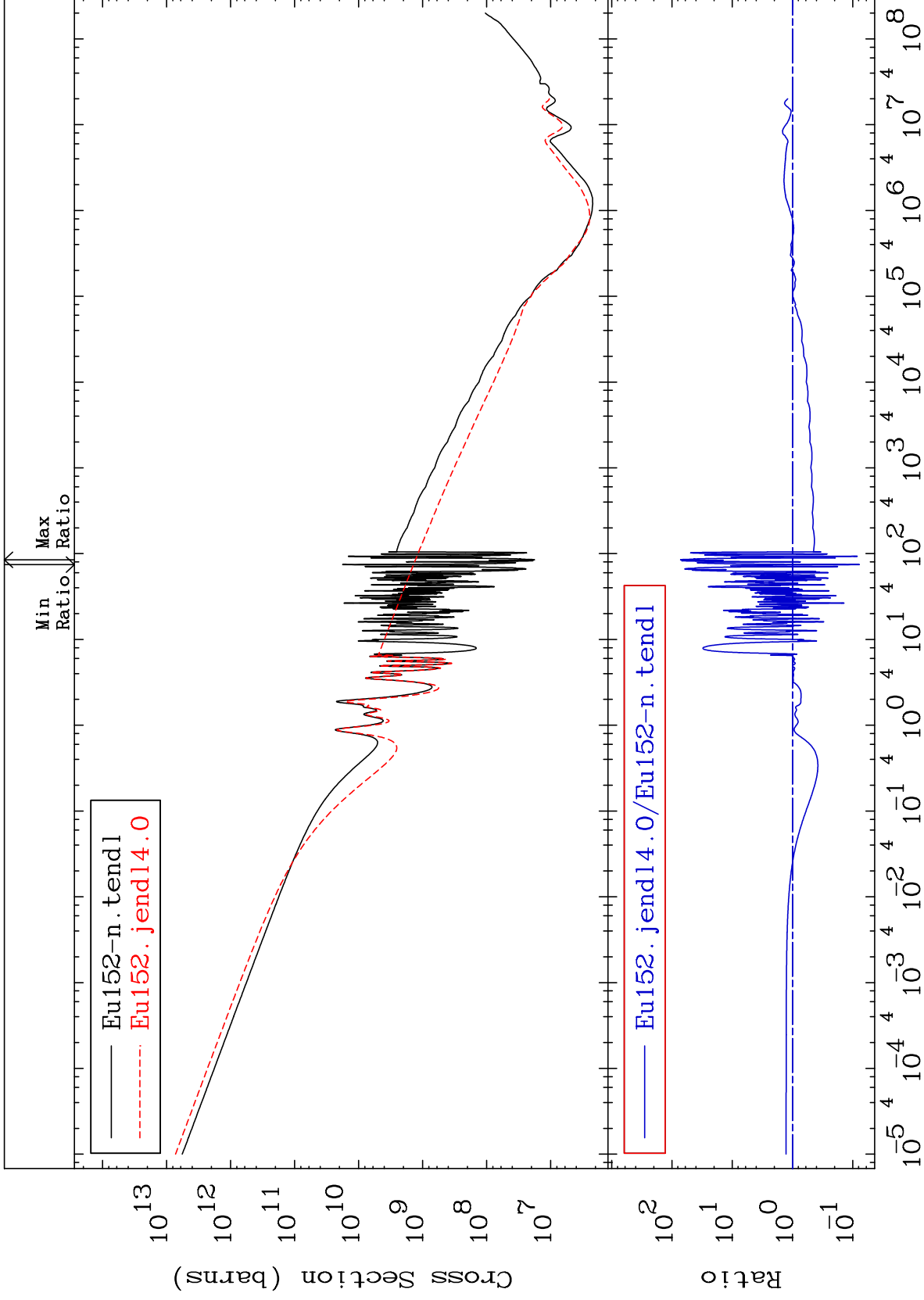


MAT 6328

Kerma elastic  
Cross Section

63-Eu-152  
-95.85 To 1127. %



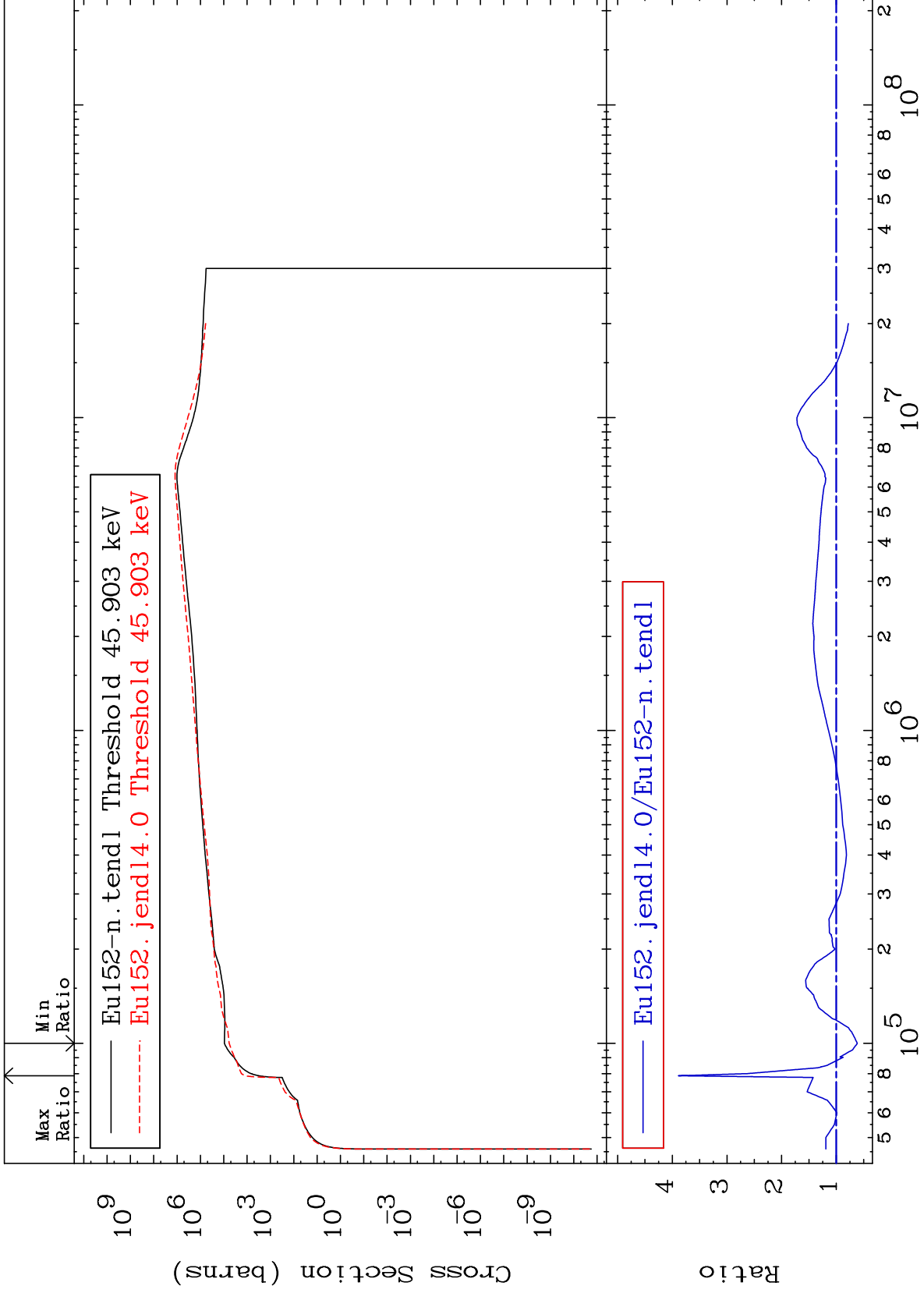




MAT 6328

Kerma inelastic (mt51-91)  
Cross Section

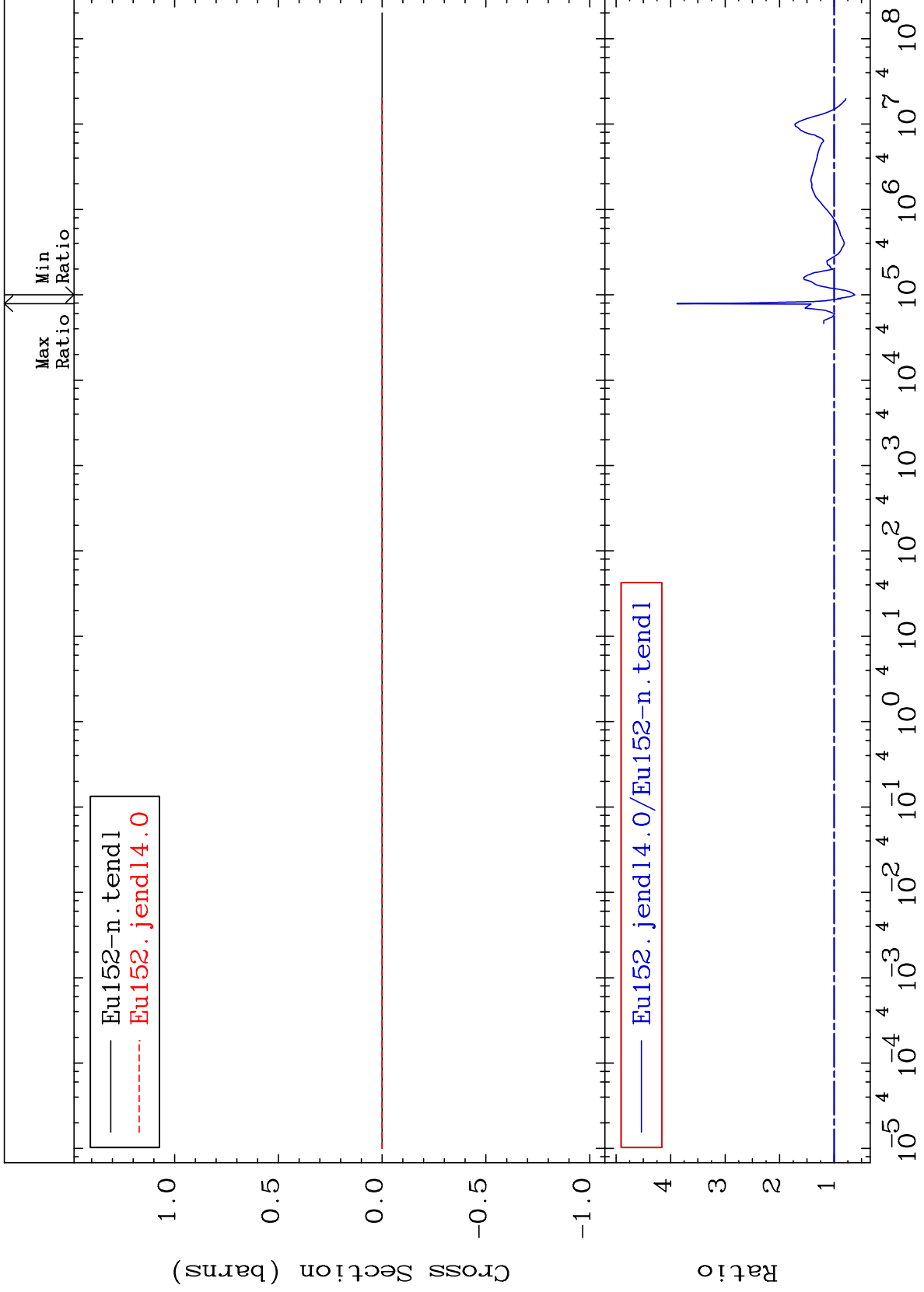
63-Eu-152  
-38.28 To 288.4 %



MAT 6328

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

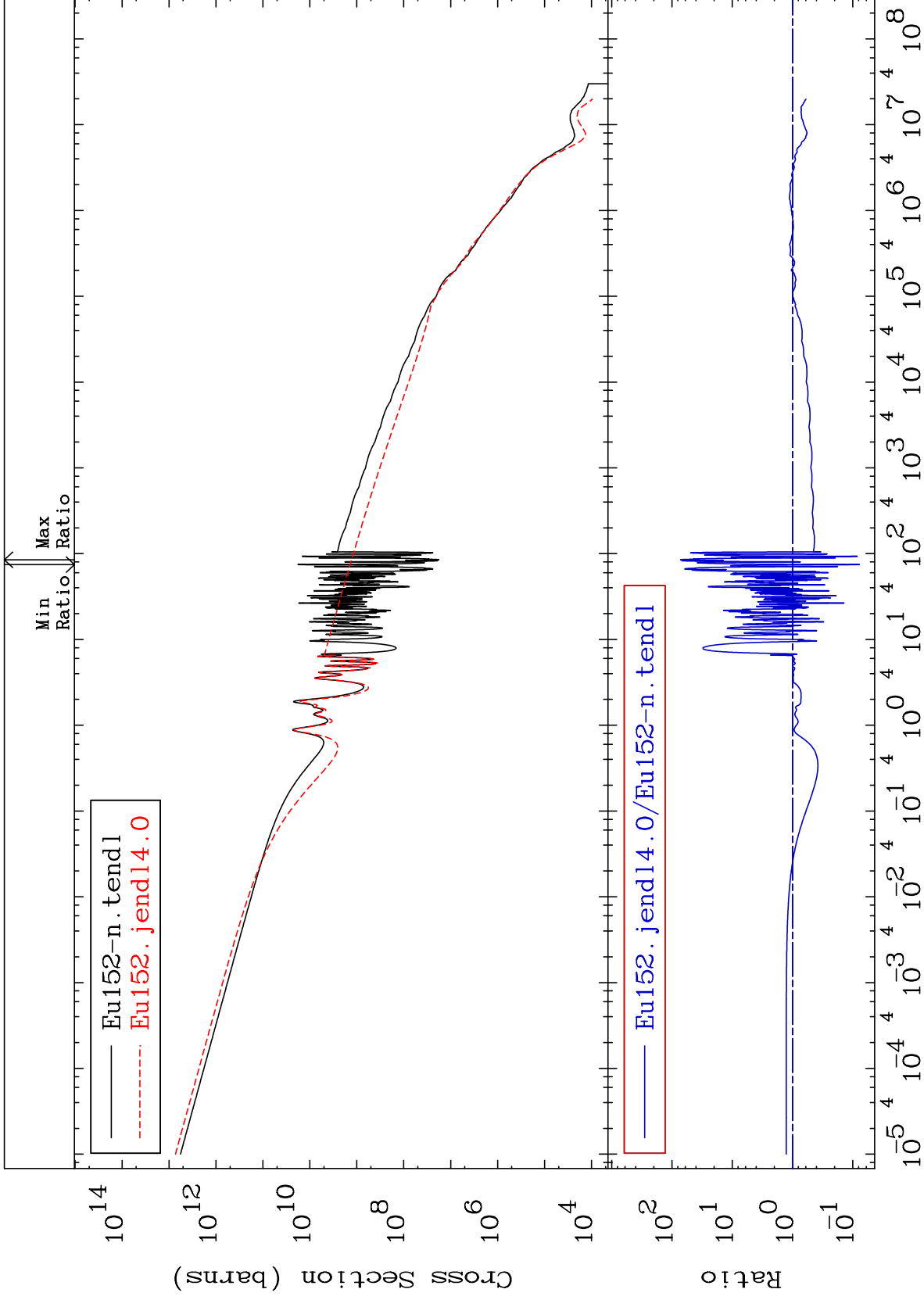
63-Eu-152  
-38.28 To 288.4 %



58

Incident Energy (eV)

63-Eu-152



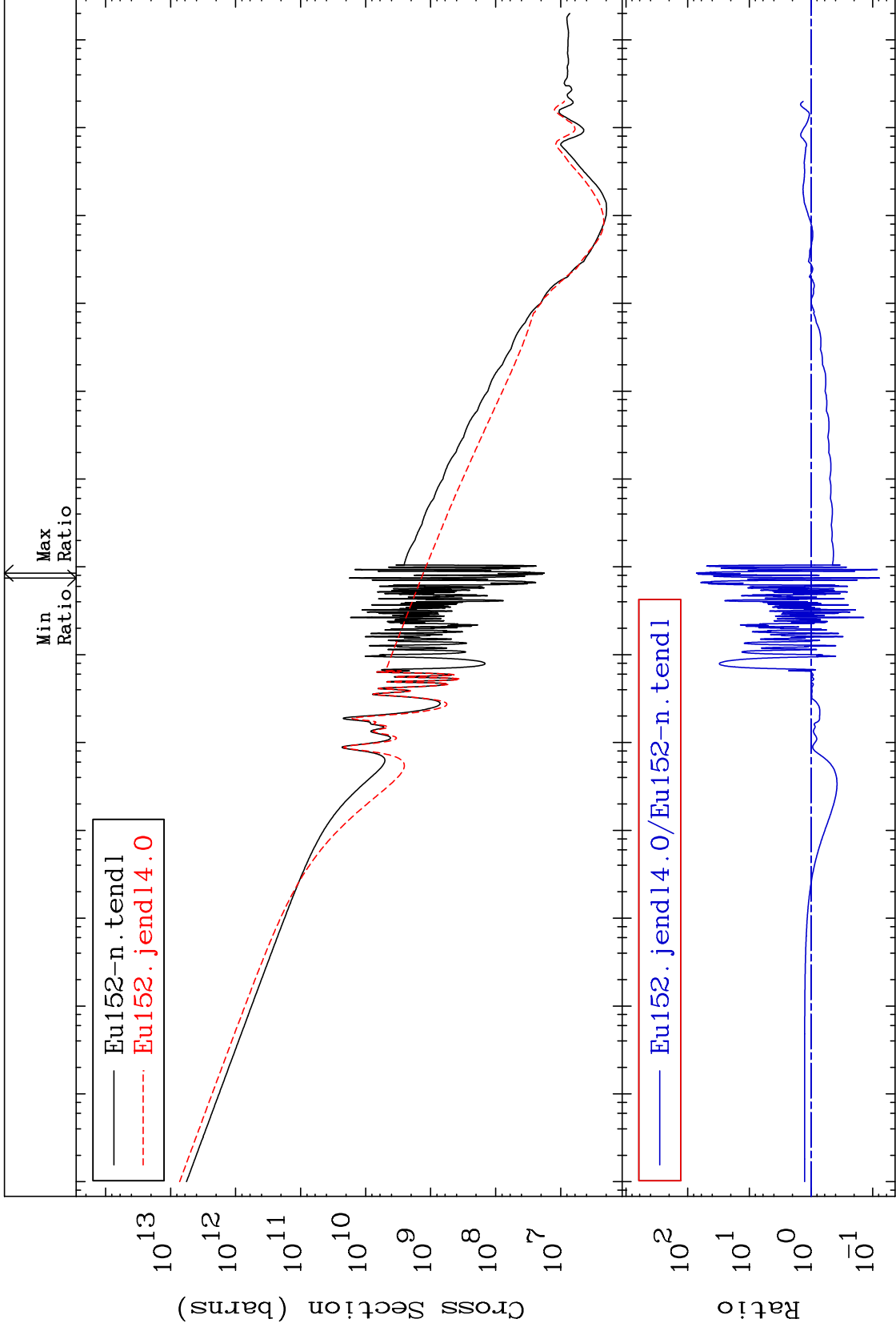
MAT 6328

Total photon (eV-barns)

63-Eu-152

Cross Section

-92.23 To 7163. %



60

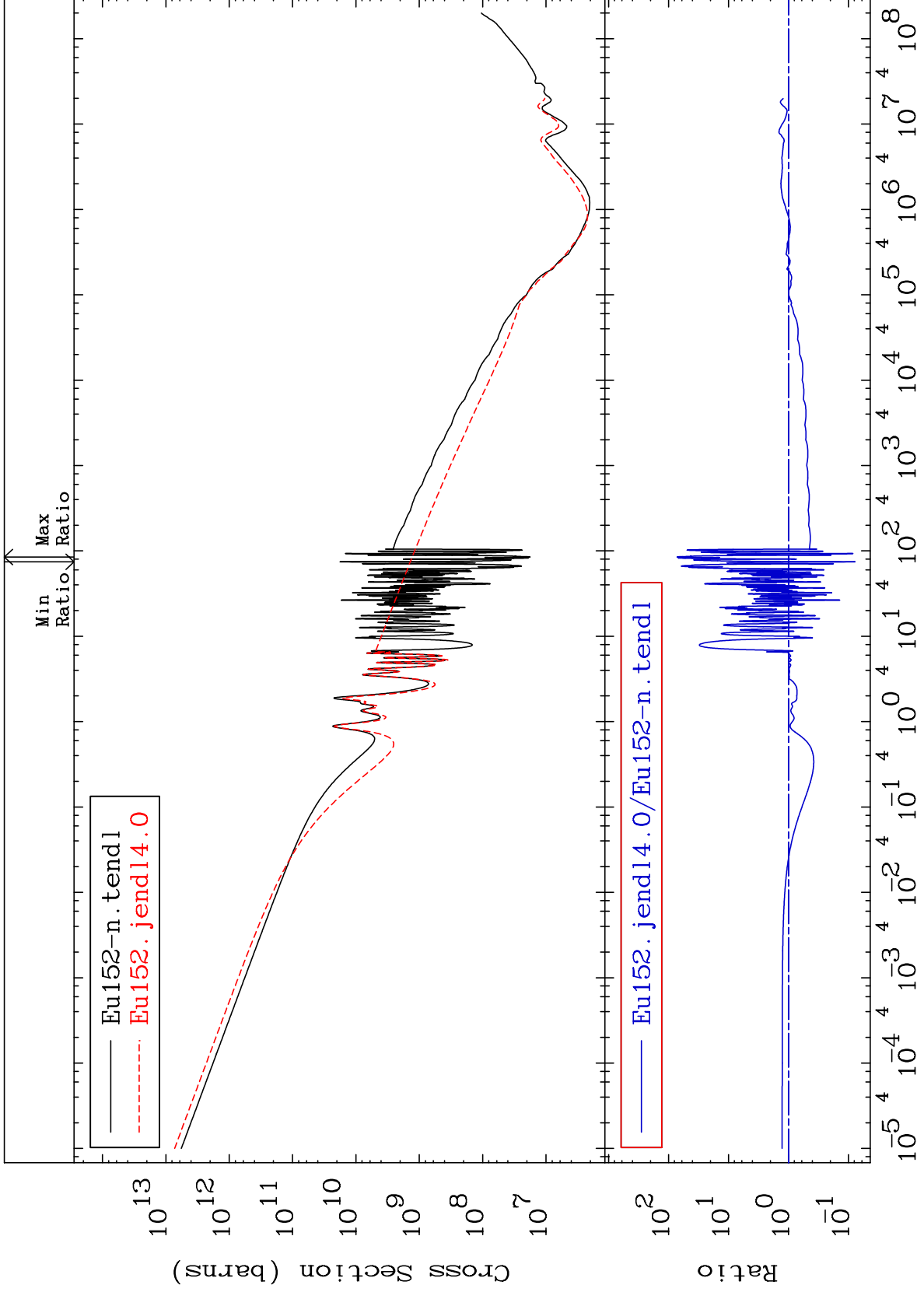
Incident Energy (eV)

63-Eu-152

MAT 6328

Total kinematic kerma (high limit)  
Cross Section

63-Eu-152  
-92.23 To 7155. %



61

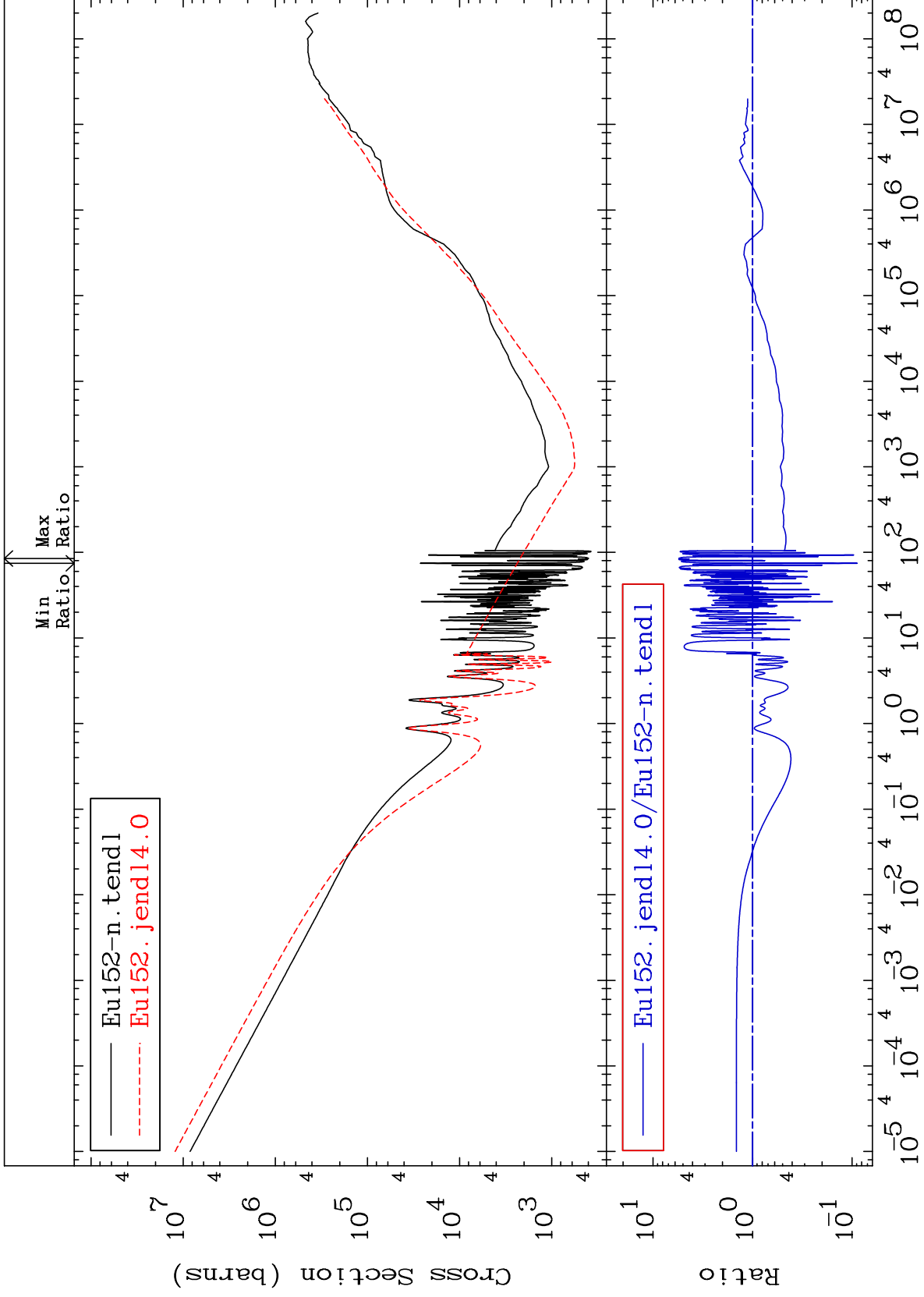
Incident Energy (eV)

63-Eu-152

MAT 6328

Dpa total (eV-barns)  
Cross Section

63-Eu-152  
-91.13 To 452.6 %



62

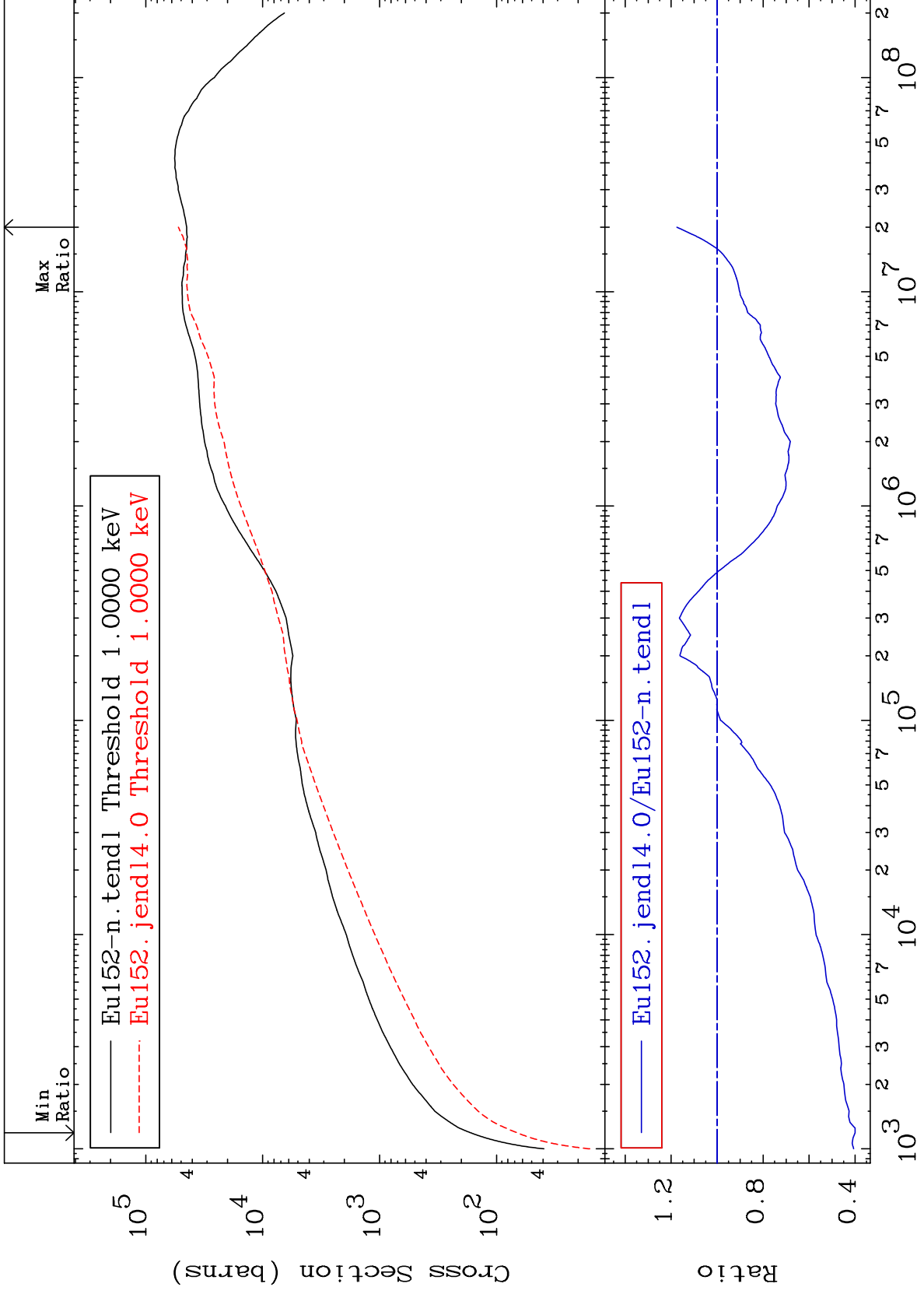
Incident Energy (eV)

63-Eu-152

MAT 6328

Dpa elastic (mt2)  
Cross Section

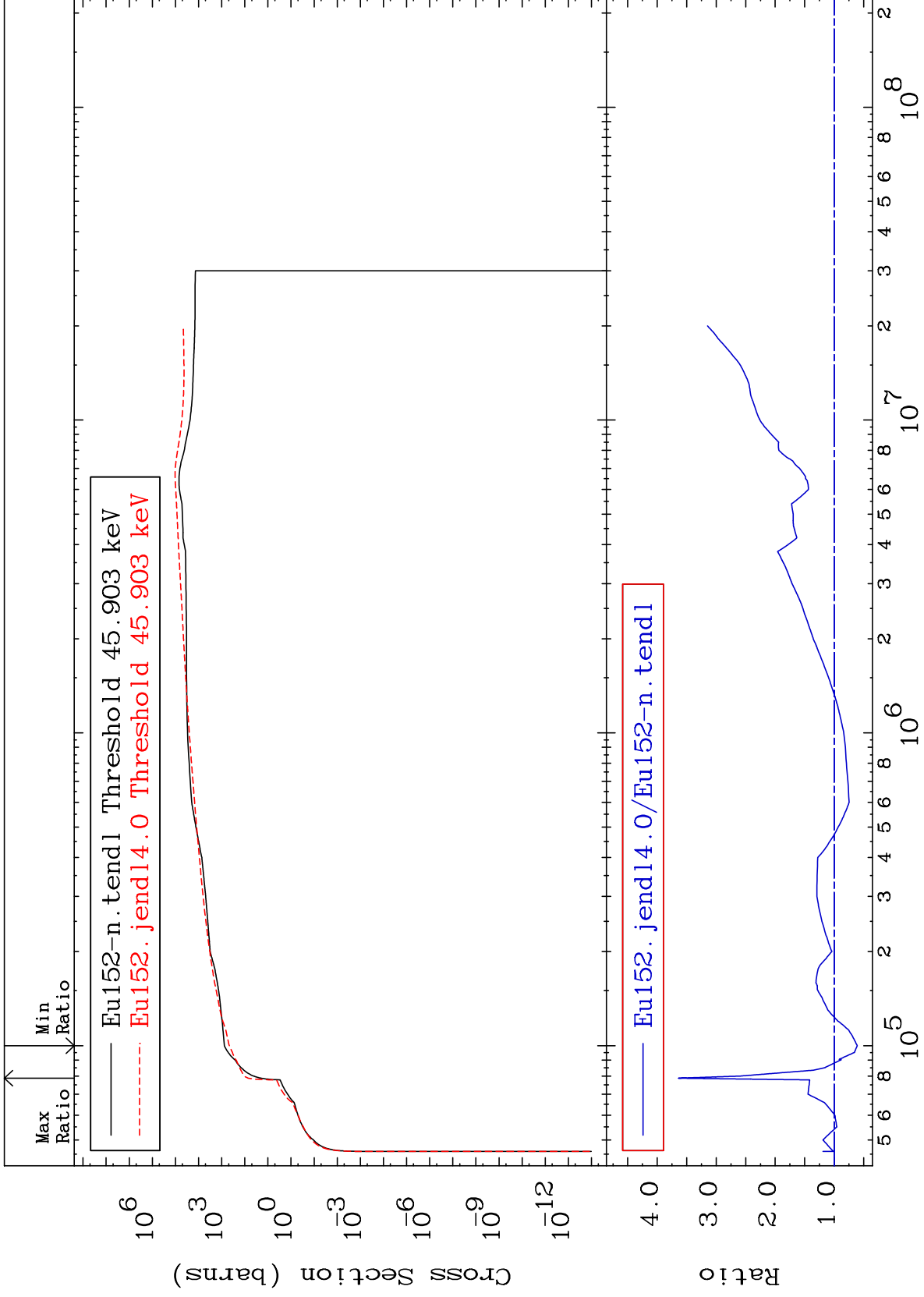
63-Eu-152  
-60.00 To 17.49 %



63

Incident Energy (eV)

63-Eu-152





MAT 6328

Dpa disappearance (mt102 -120)  
Cross Section

63-Eu-152  
-91.13 To 452.6 %

