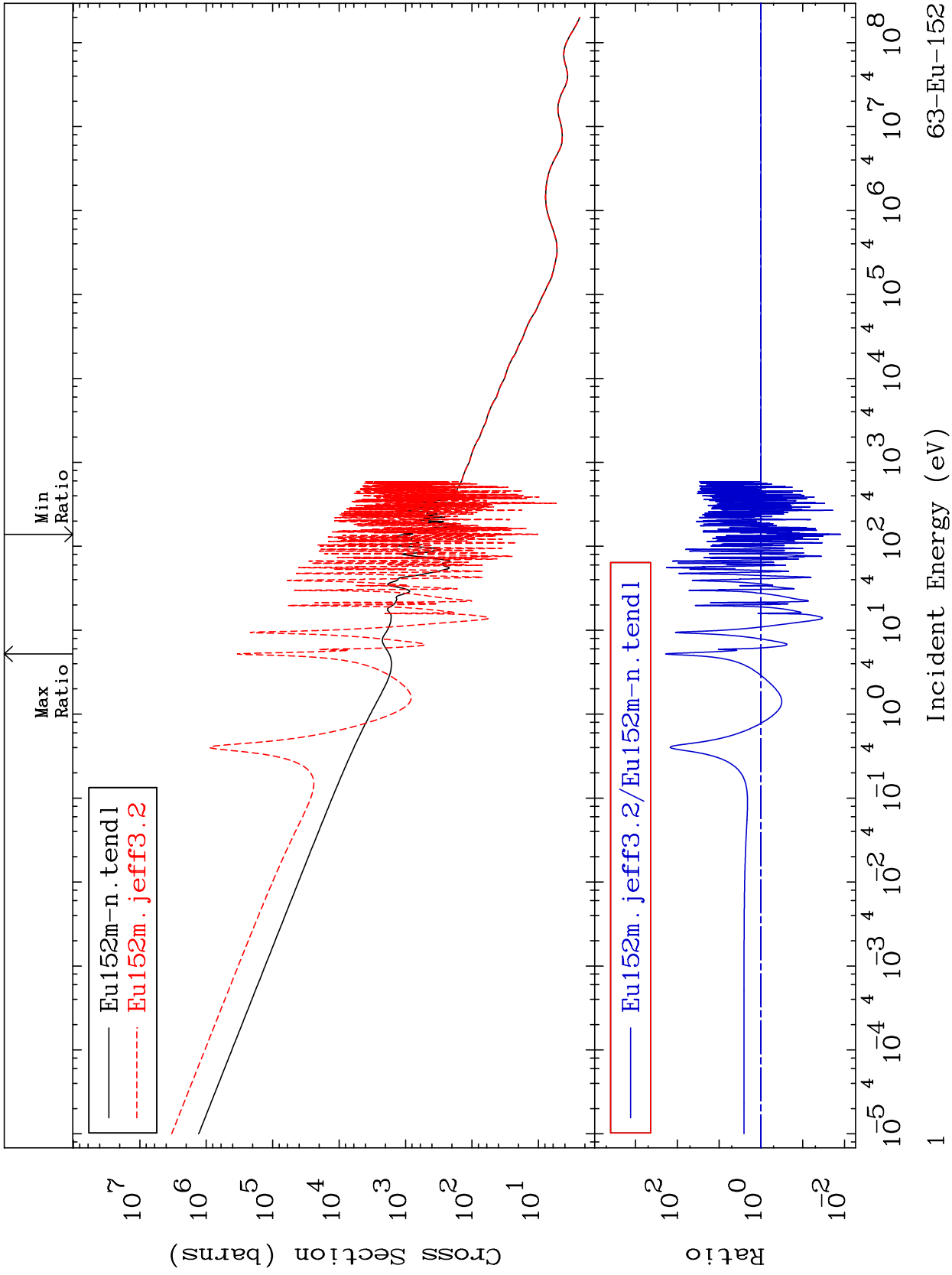


MAT 6329

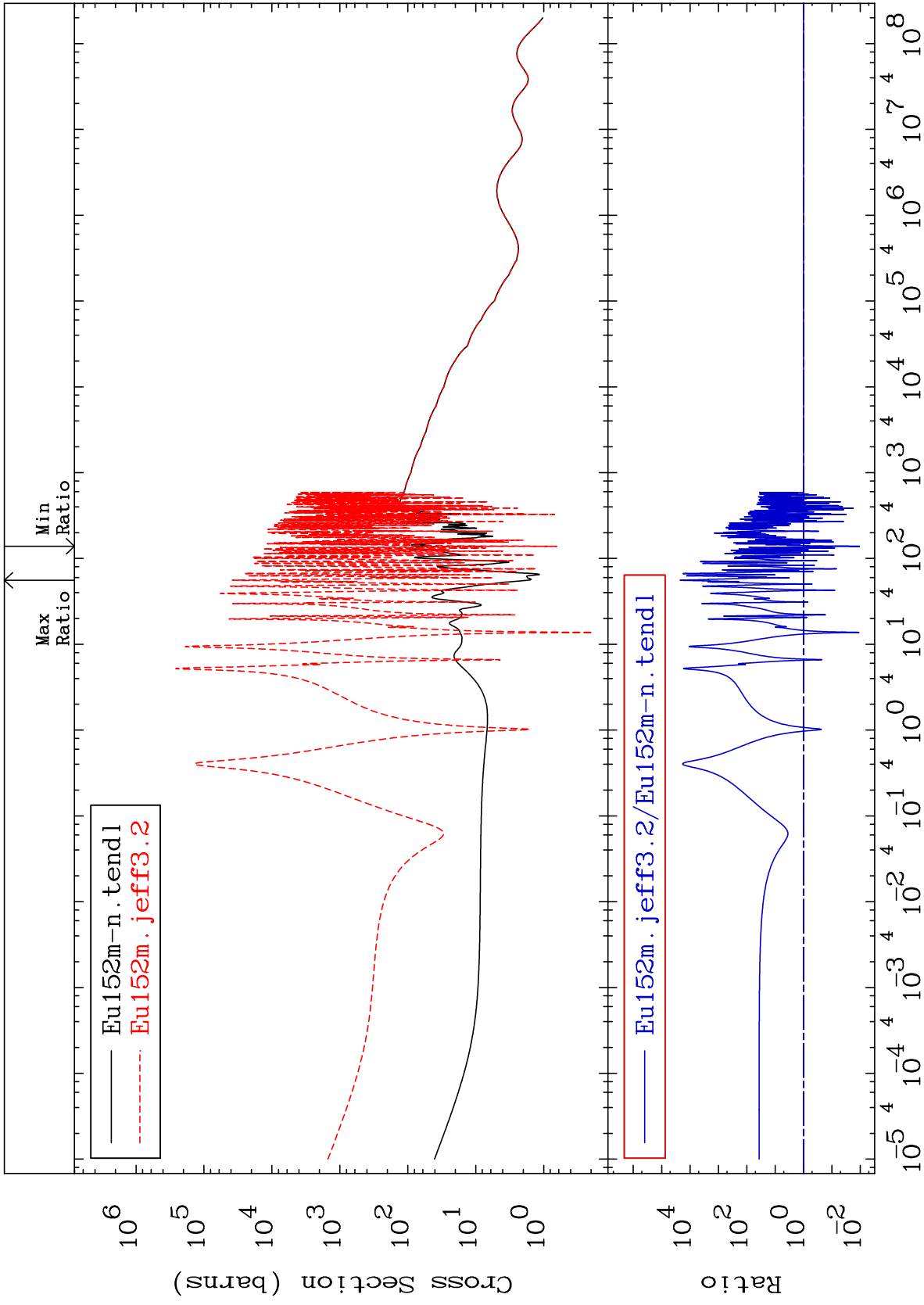
63-Eu-152
-98.76 To 9999. %



63-Eu-152

MAT 6329

Elastic Cross Section
63-Eu-152
-98.93 To 9999. %



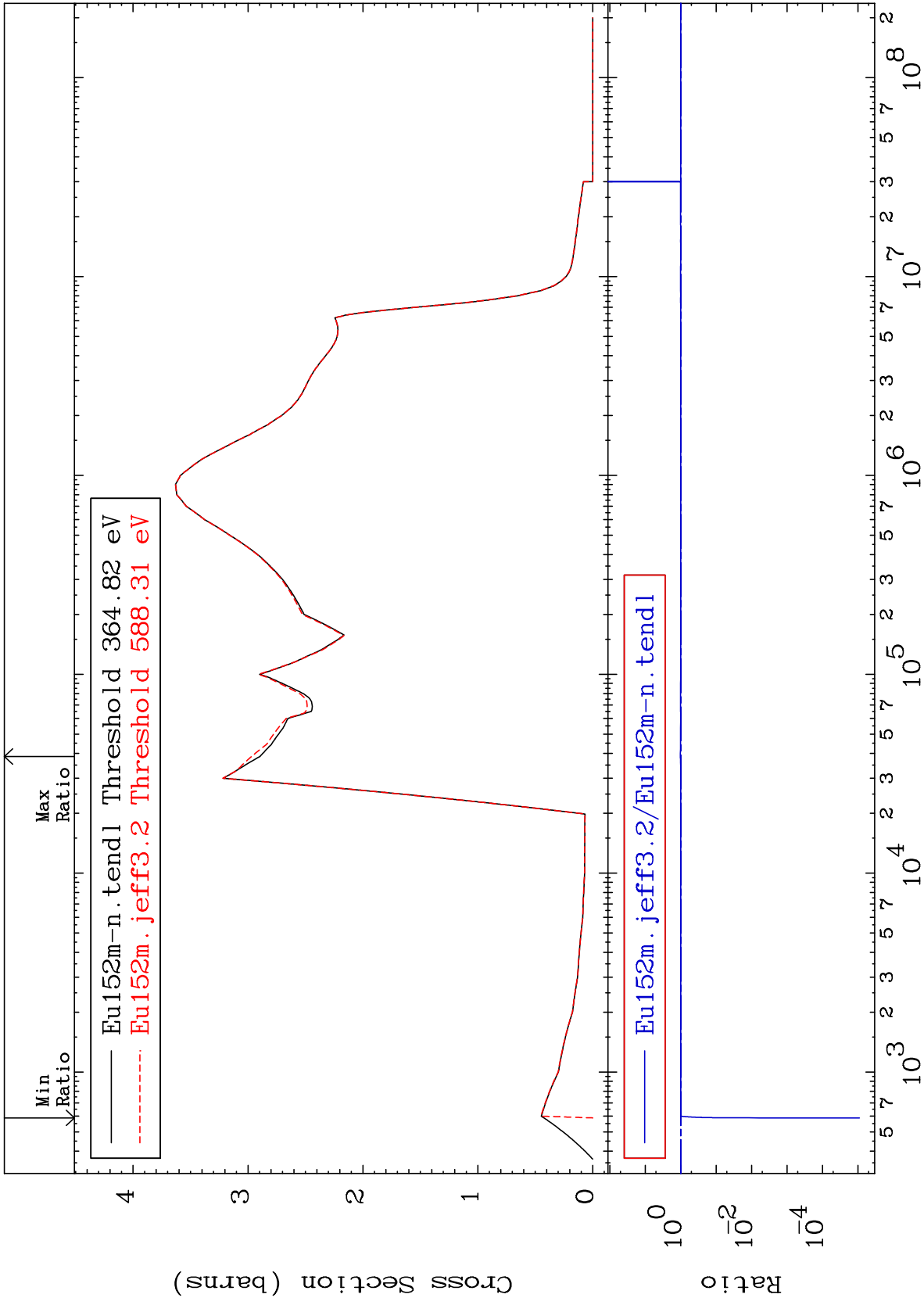
Incident Energy (eV)

63-Eu-152

2

MAT 6329

Inelastic
Cross Section
63-Eu-152
-100.0 To 2.530 %



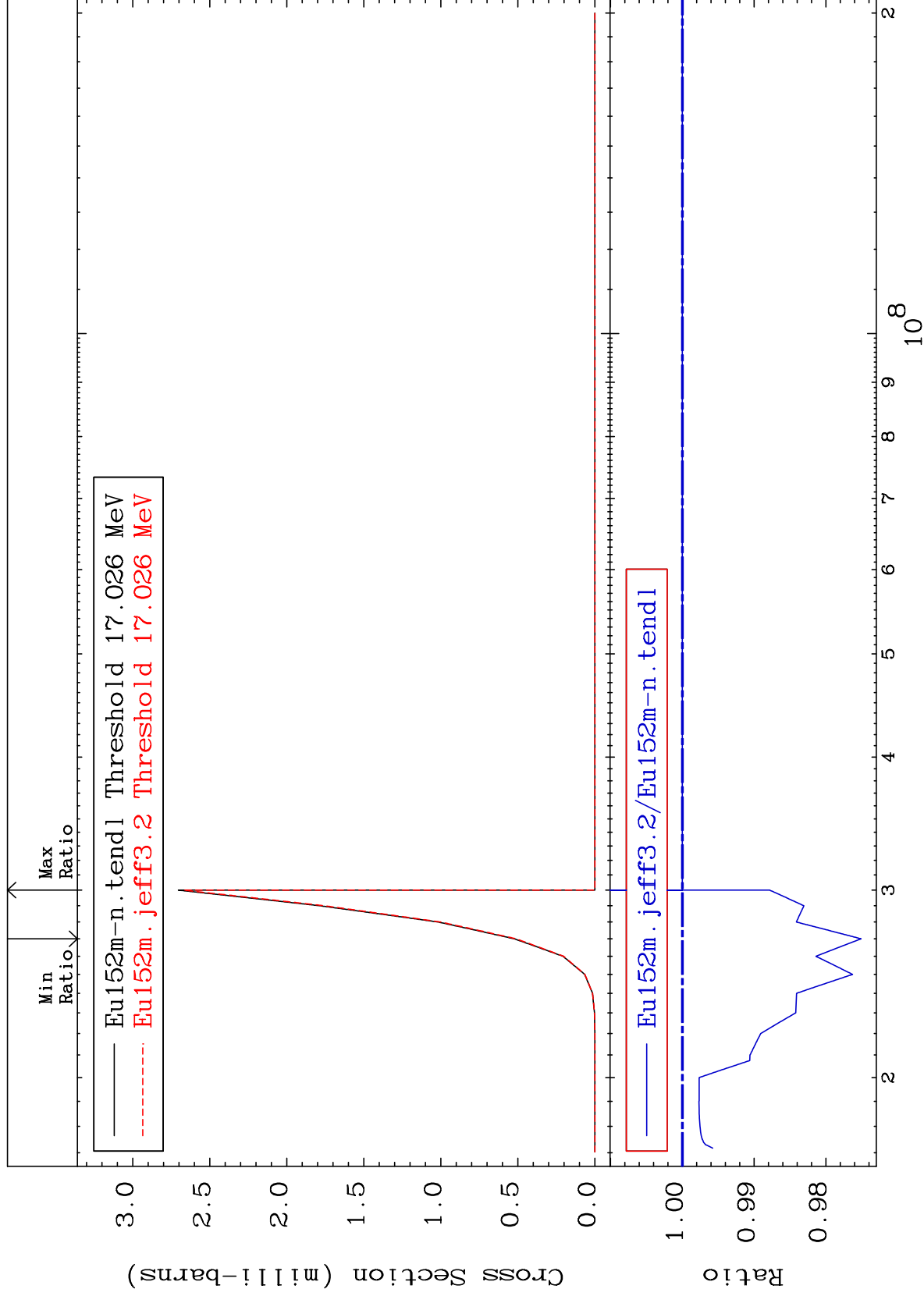
MAT 6329

(n,2n) d

63-Eu-152

Cross Section

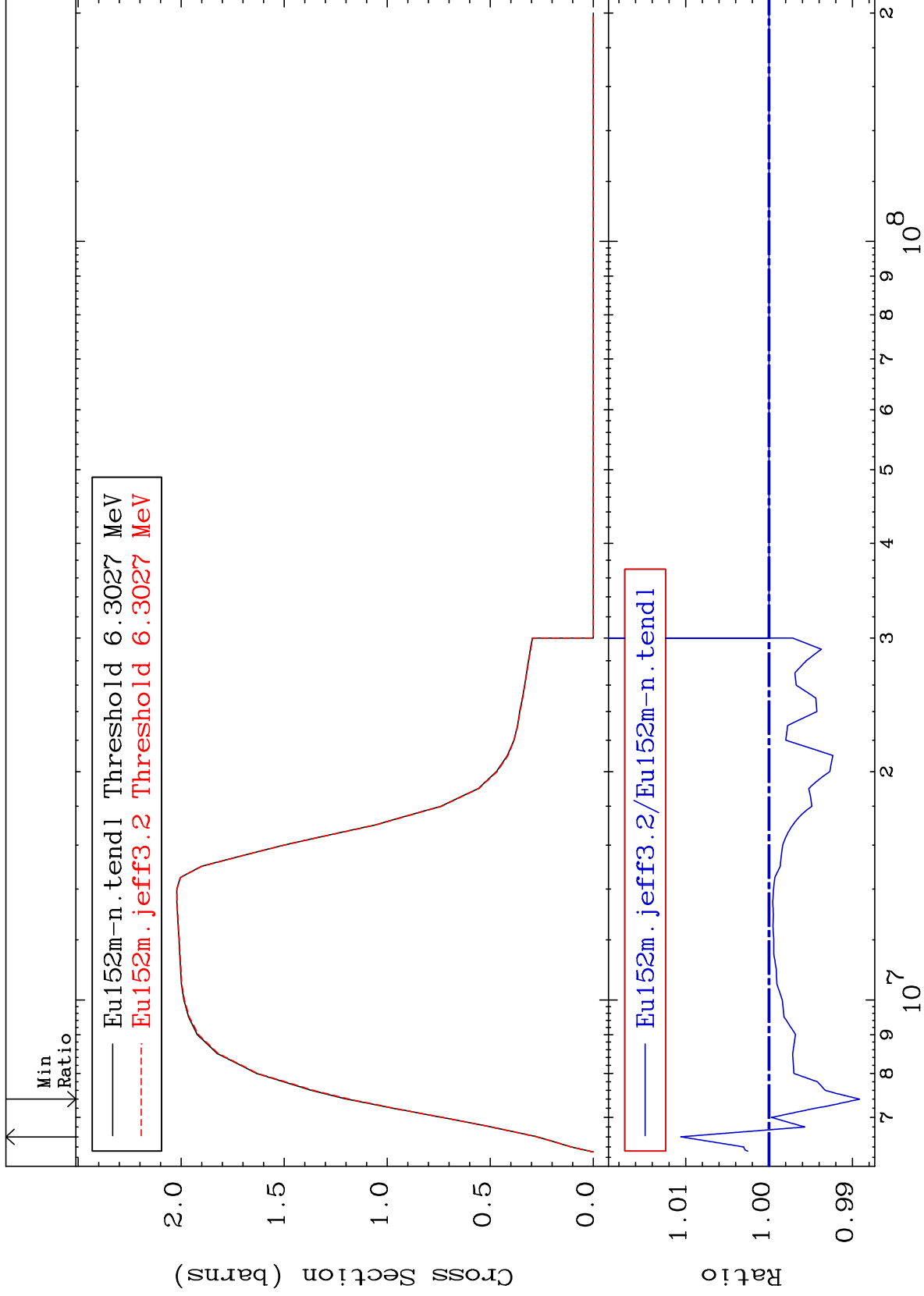
-2.491 To 0.000 %



MAT 6329

(n,2n)
Cross Section

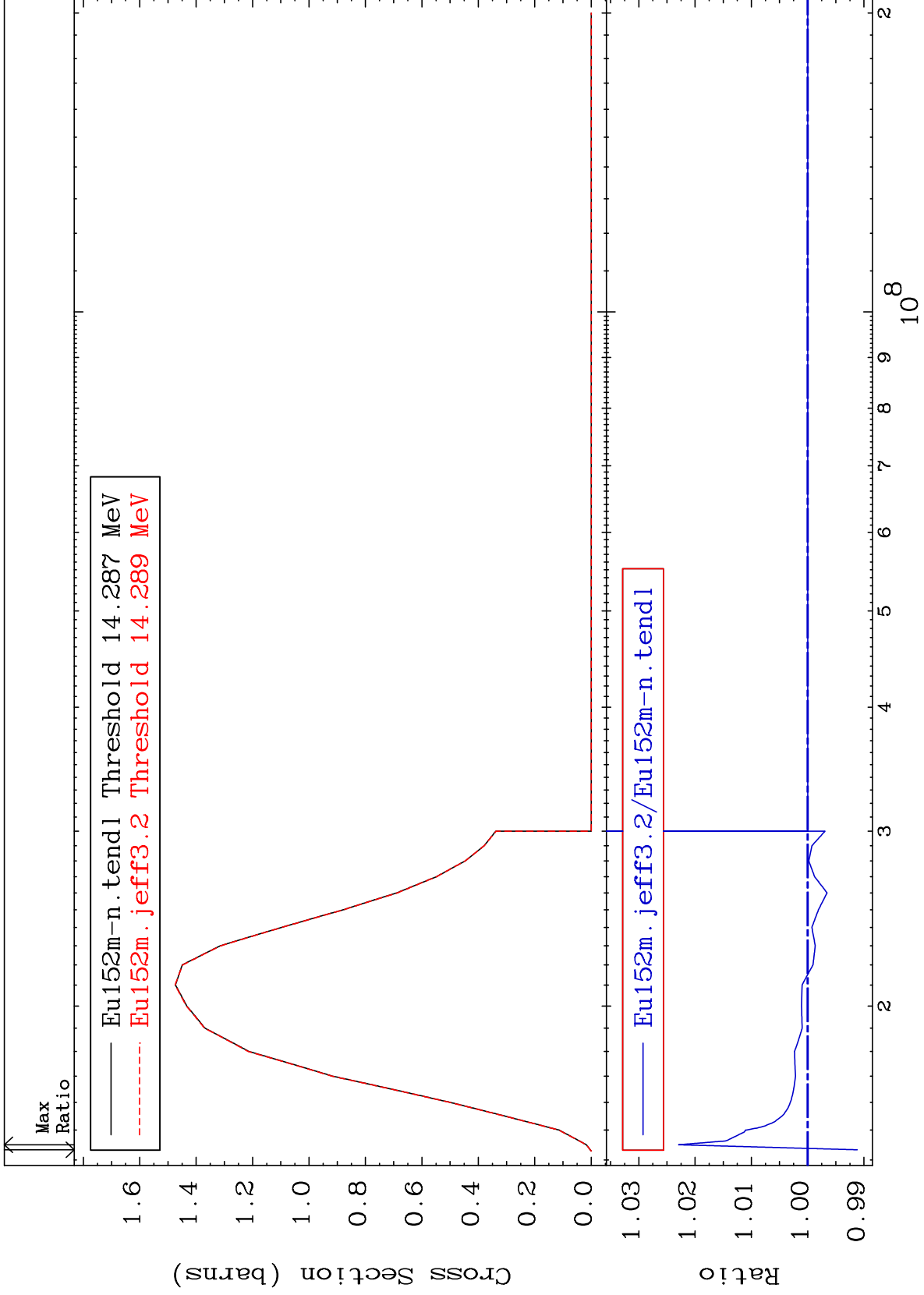
63-Eu-152
-1.085 To 1.059 %



MAT 6329

(n,3n)
Cross Section

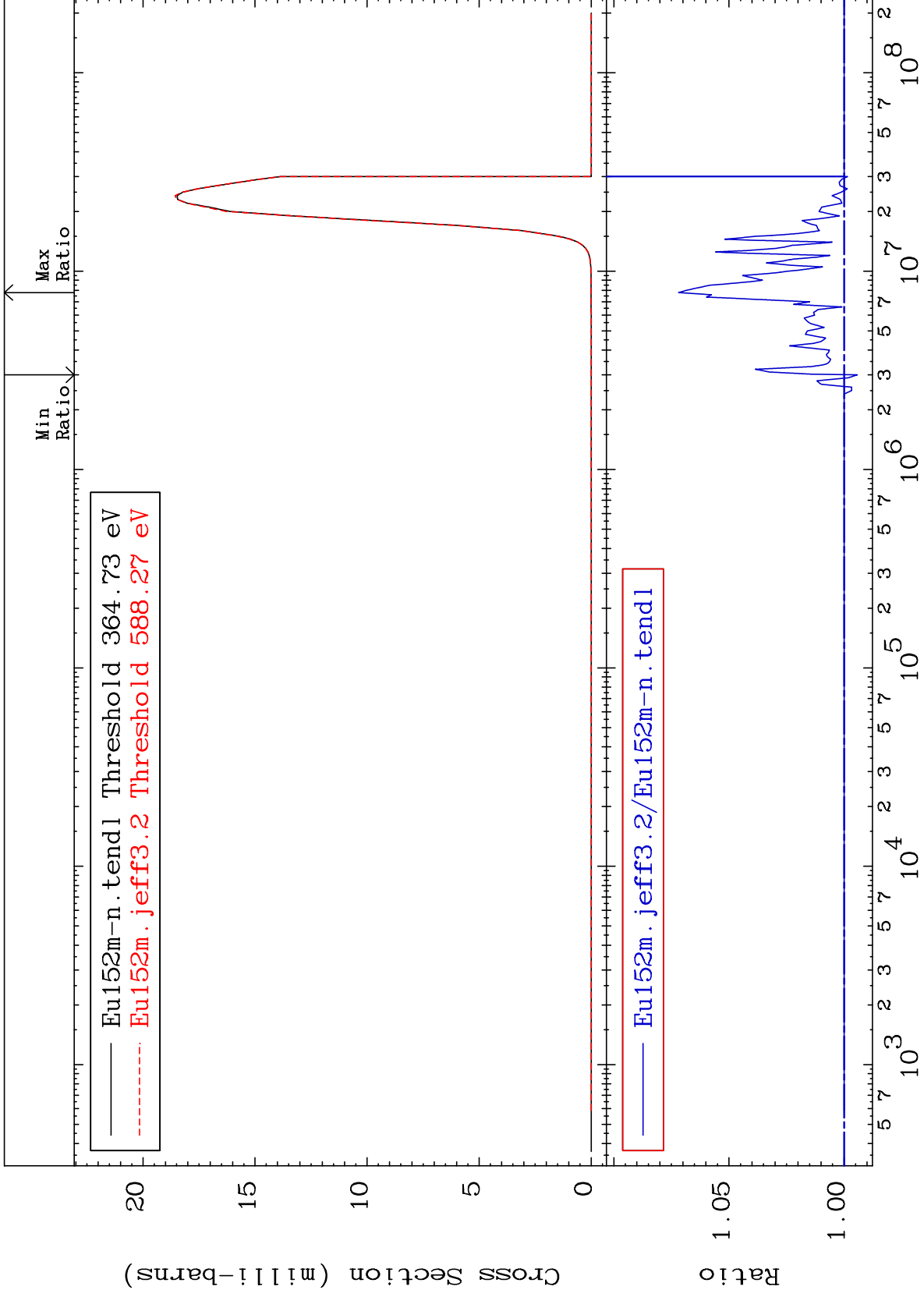
63-Eu-152
-0.880 To 2.292 %



MAT 6329

(n, n') α
Cross Section

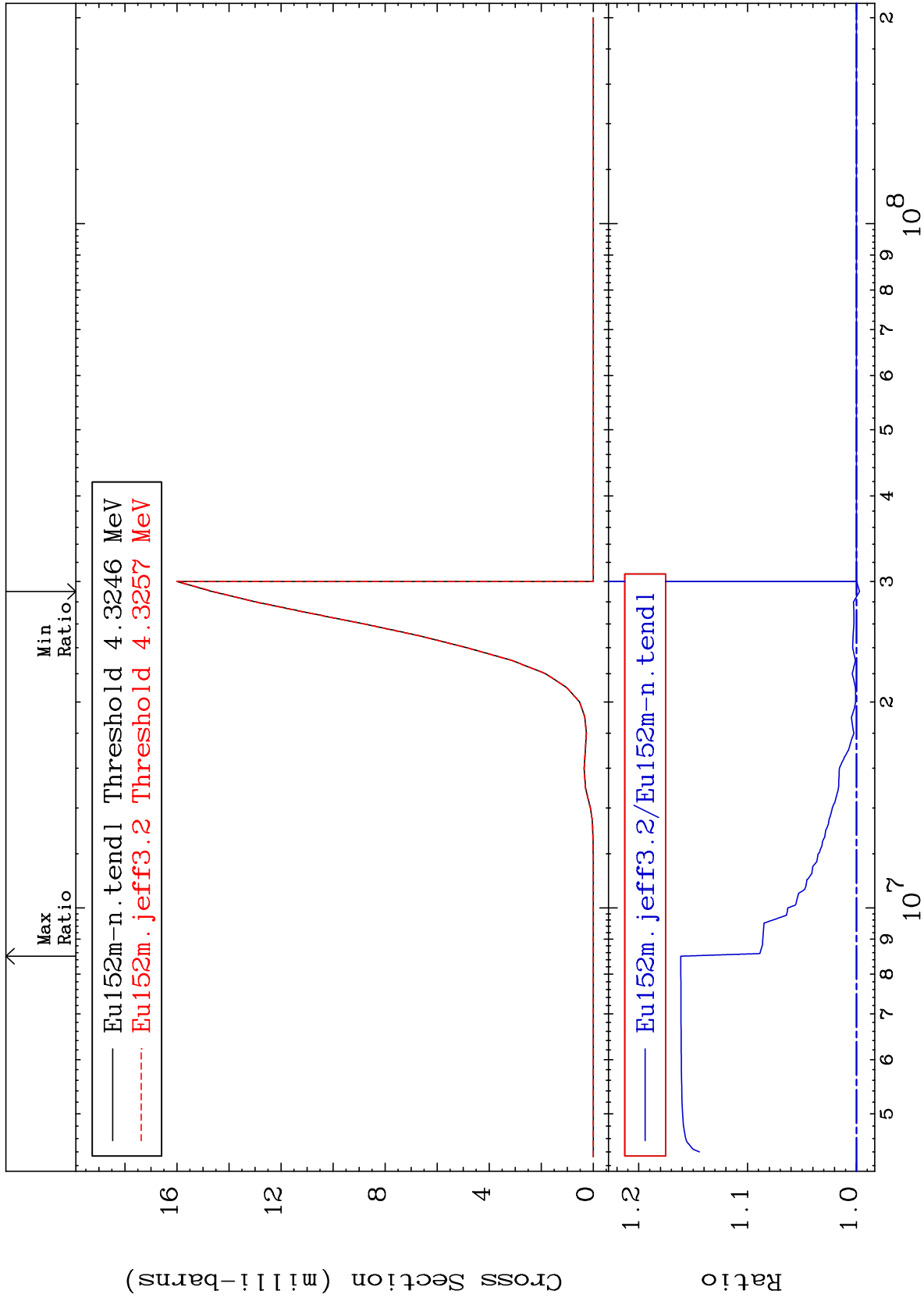
63-Eu-152
-0.572 To 7.186 %



MAT 6329

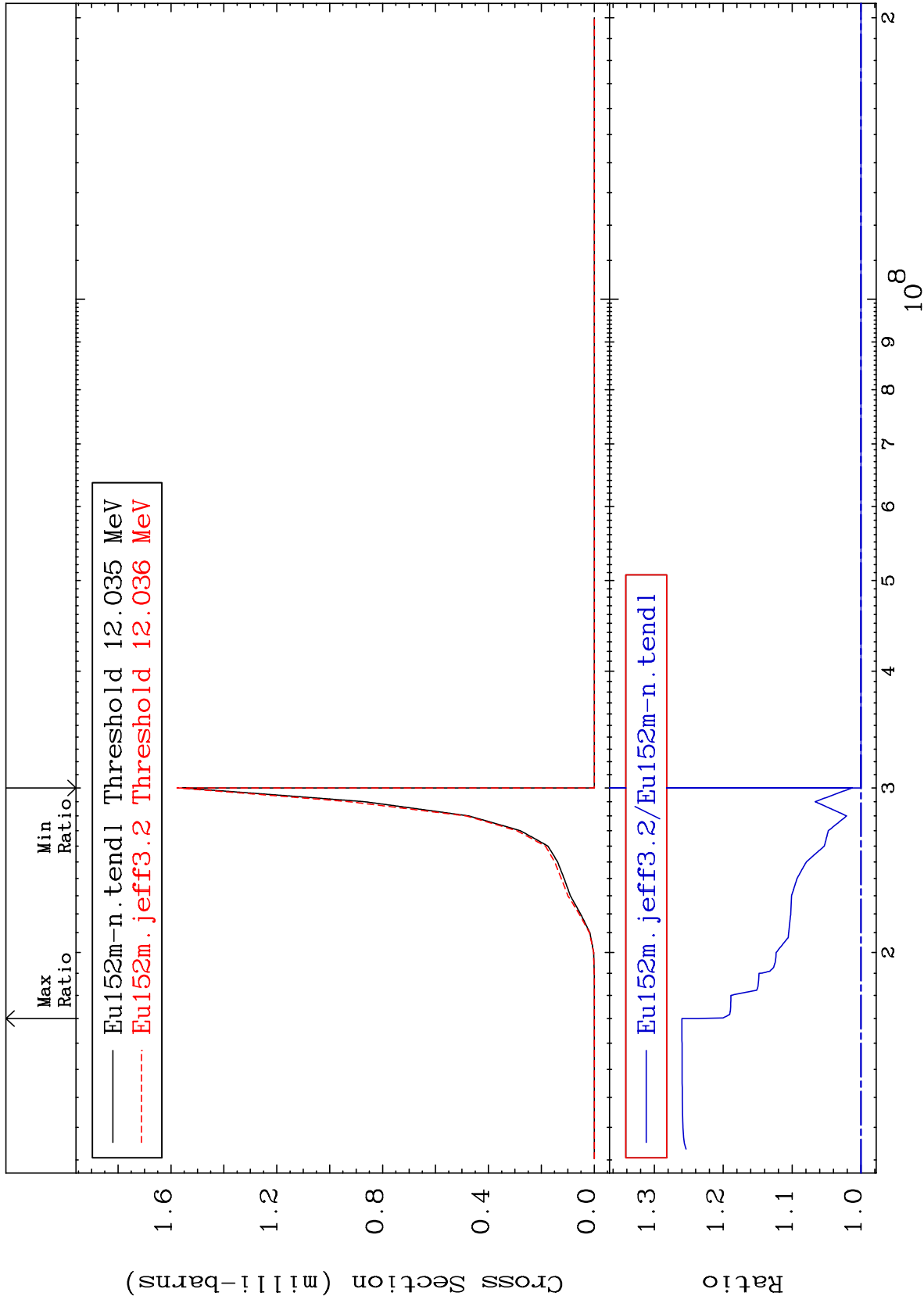
(n,2n) α
Cross Section

63-Eu-152
-0.286 To 16.14 %



MAT 6329

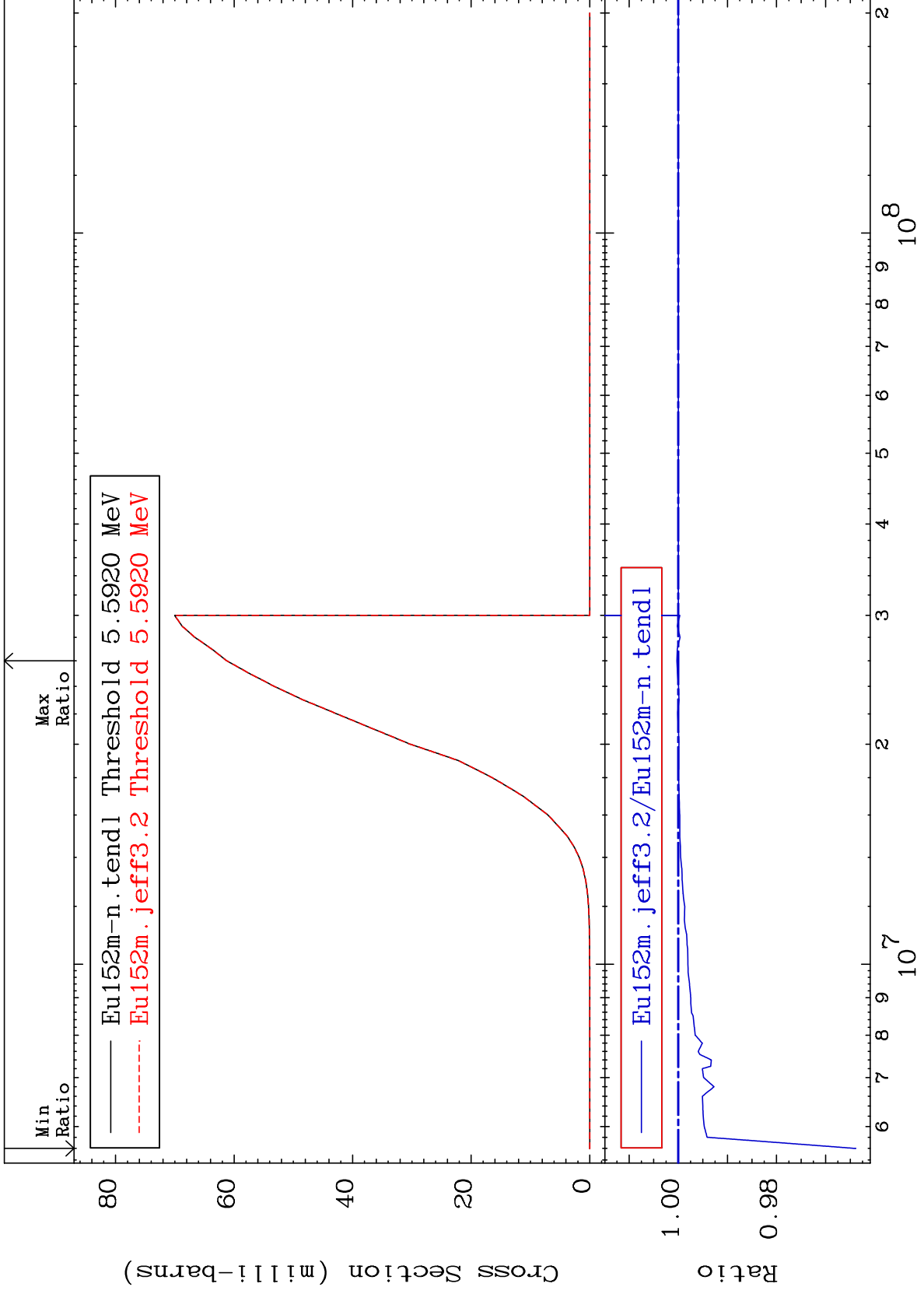
(n,3n) α Cross Section
63-Eu-152
0.000 To 26.00 %



MAT 6329

(n, n') p
Cross Section

63-Eu-152
-3.599 To 0.028 %



10

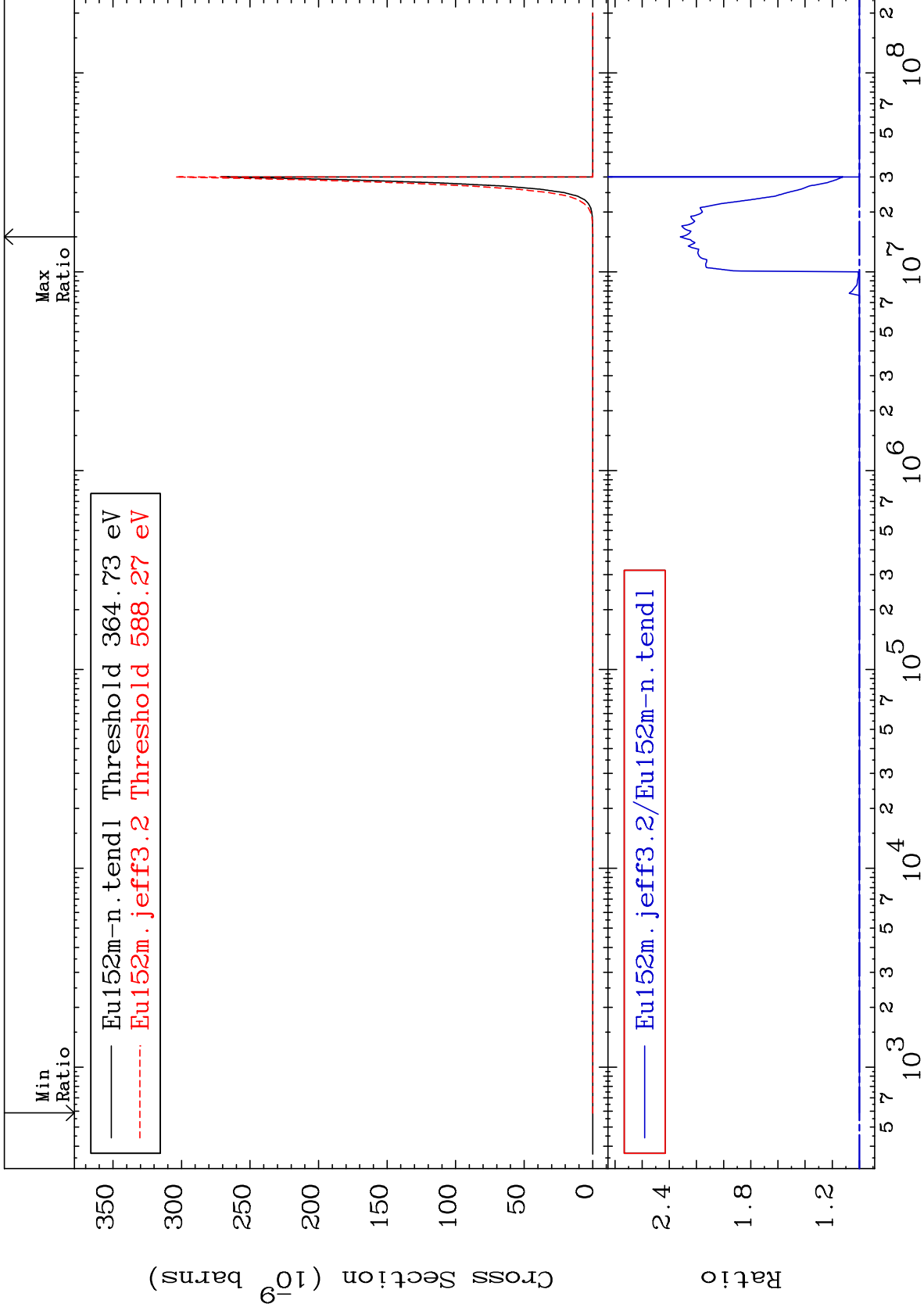
Incident Energy (eV)

63-Eu-152

MAT 6329

(n, n') 2α
Cross Section

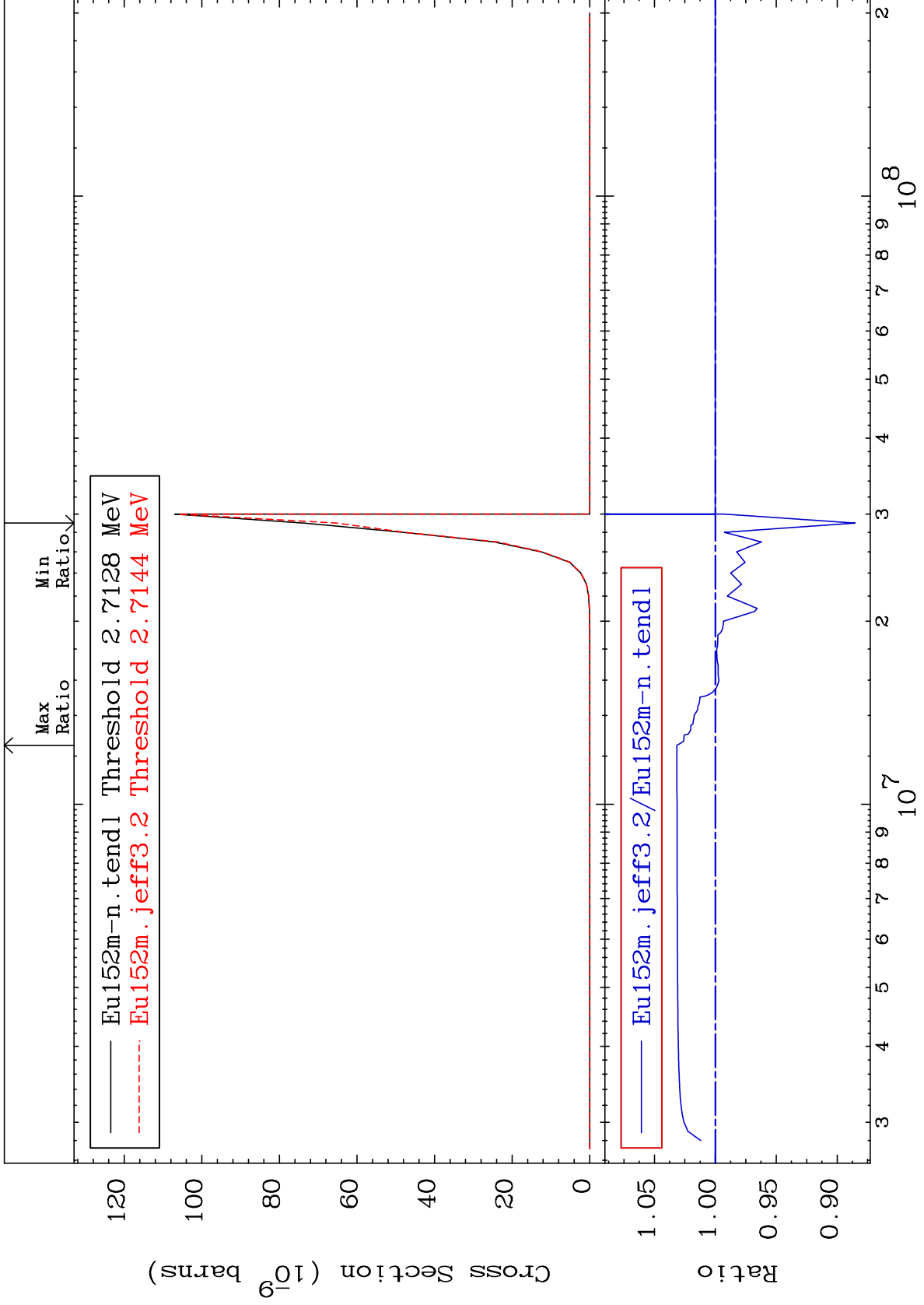
63-Eu-152
To 131.9 %



MAT 6329

(n,2n) 2α
Cross Section

63-Eu-152
-11.47 To 3.151 %



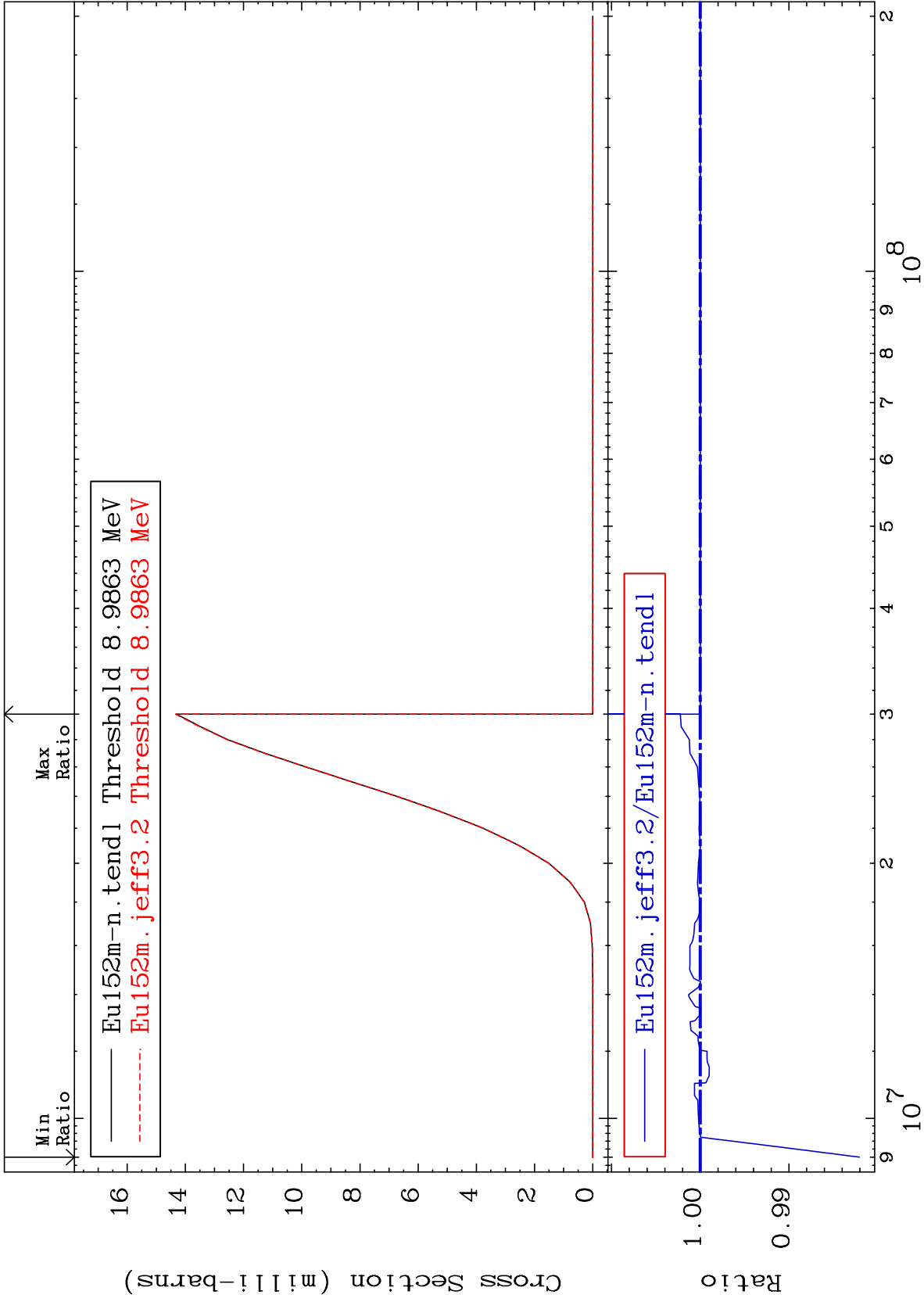
MAT 6329

(n,n') d

63-Eu-152

Cross Section

-1.796 To 0.224 %



13

Incident Energy (eV)

63-Eu-152

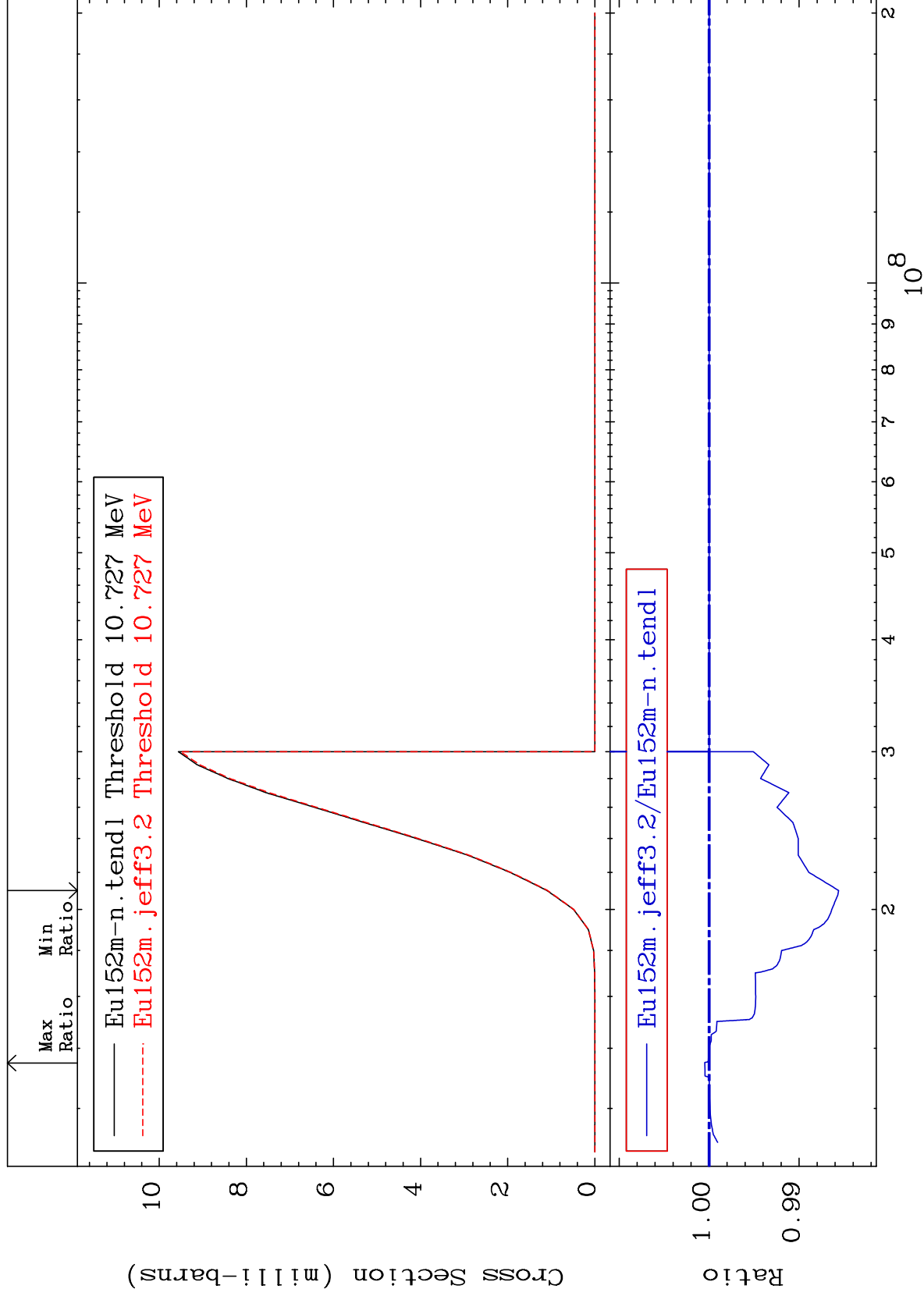
MAT 6329

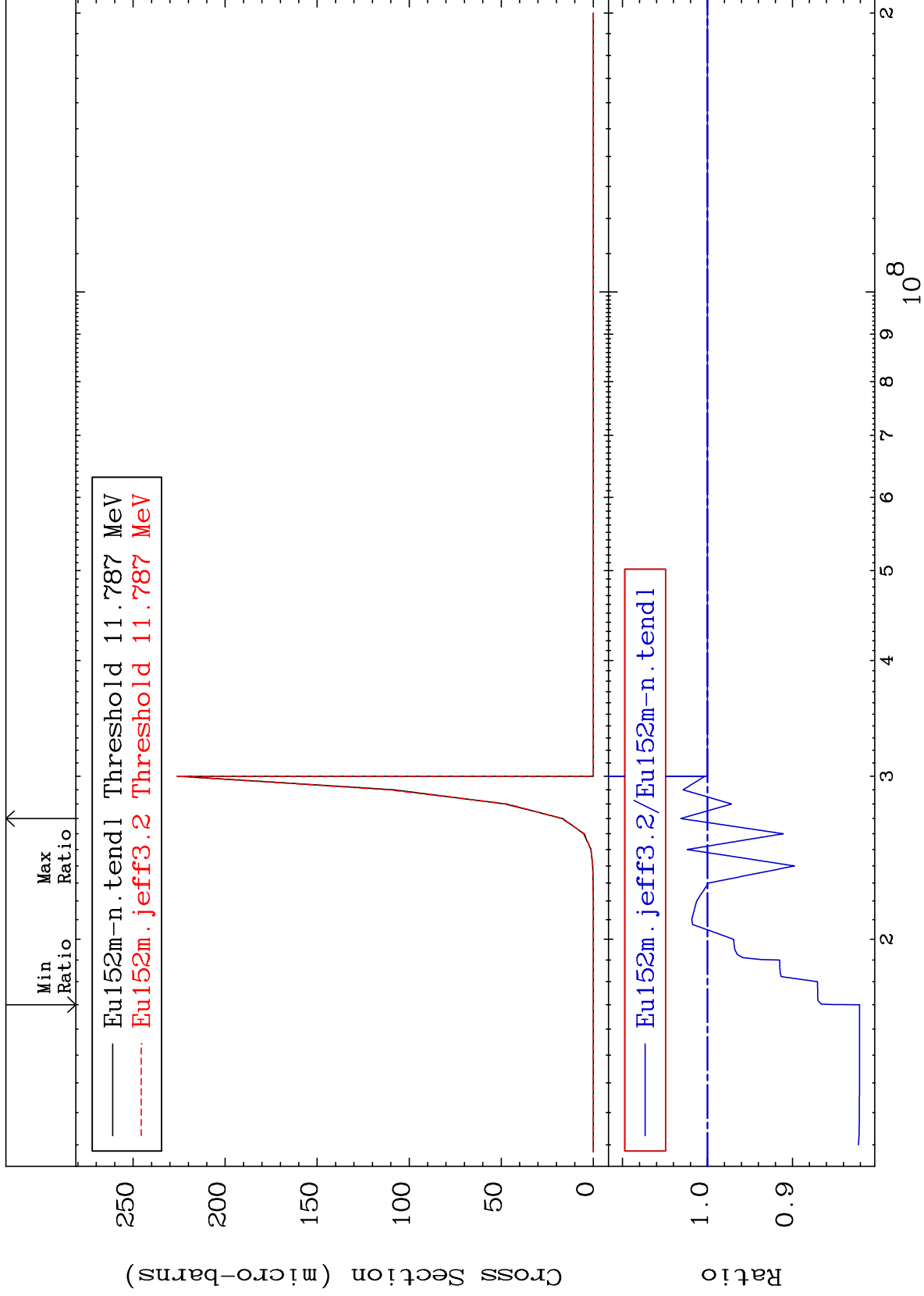
(n,n') t

63-Eu-152

Cross Section

-1.438 To 0.047 %





MAT 6329

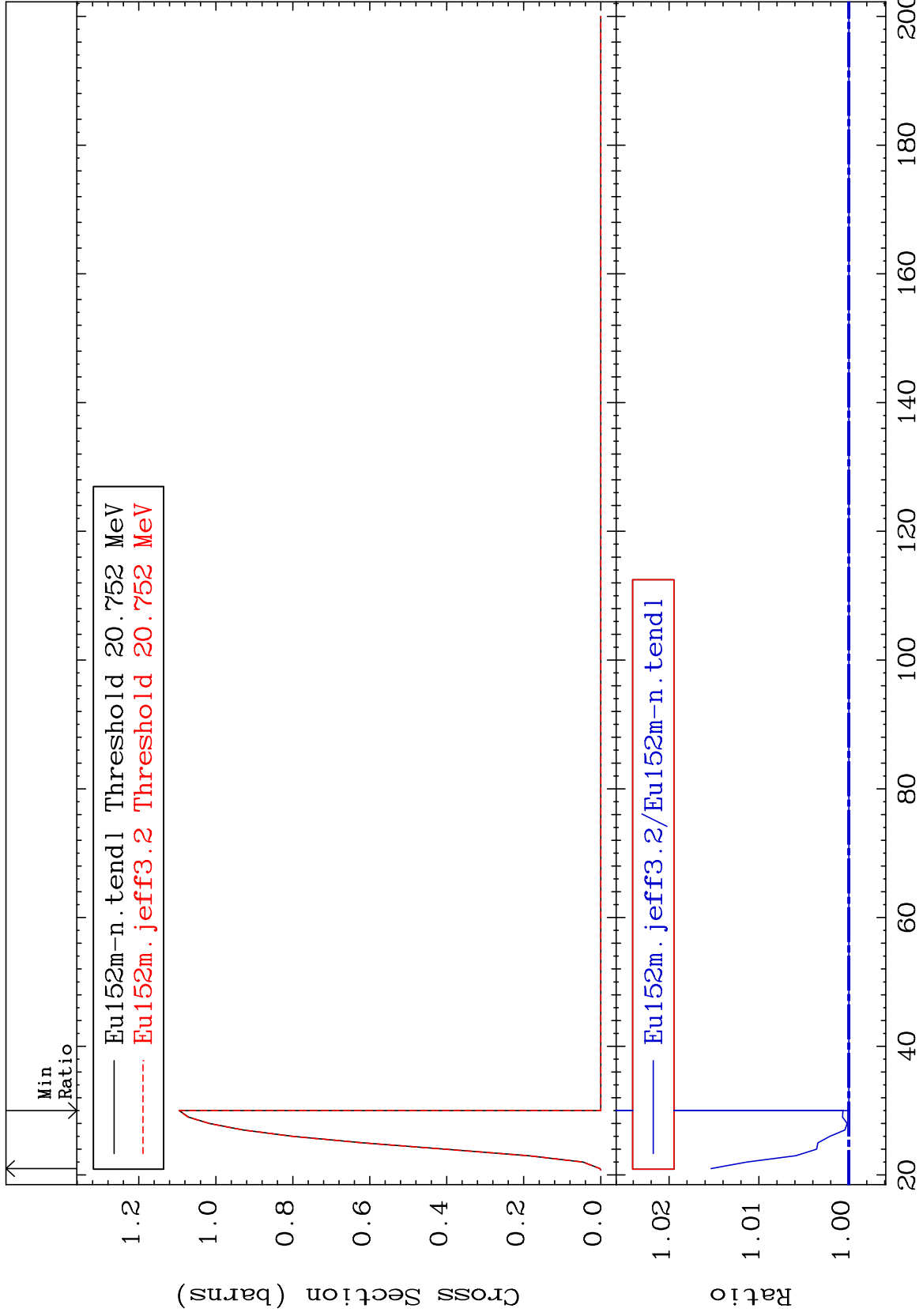
(n,4n)

63-Eu-152

Cross Section

0.000

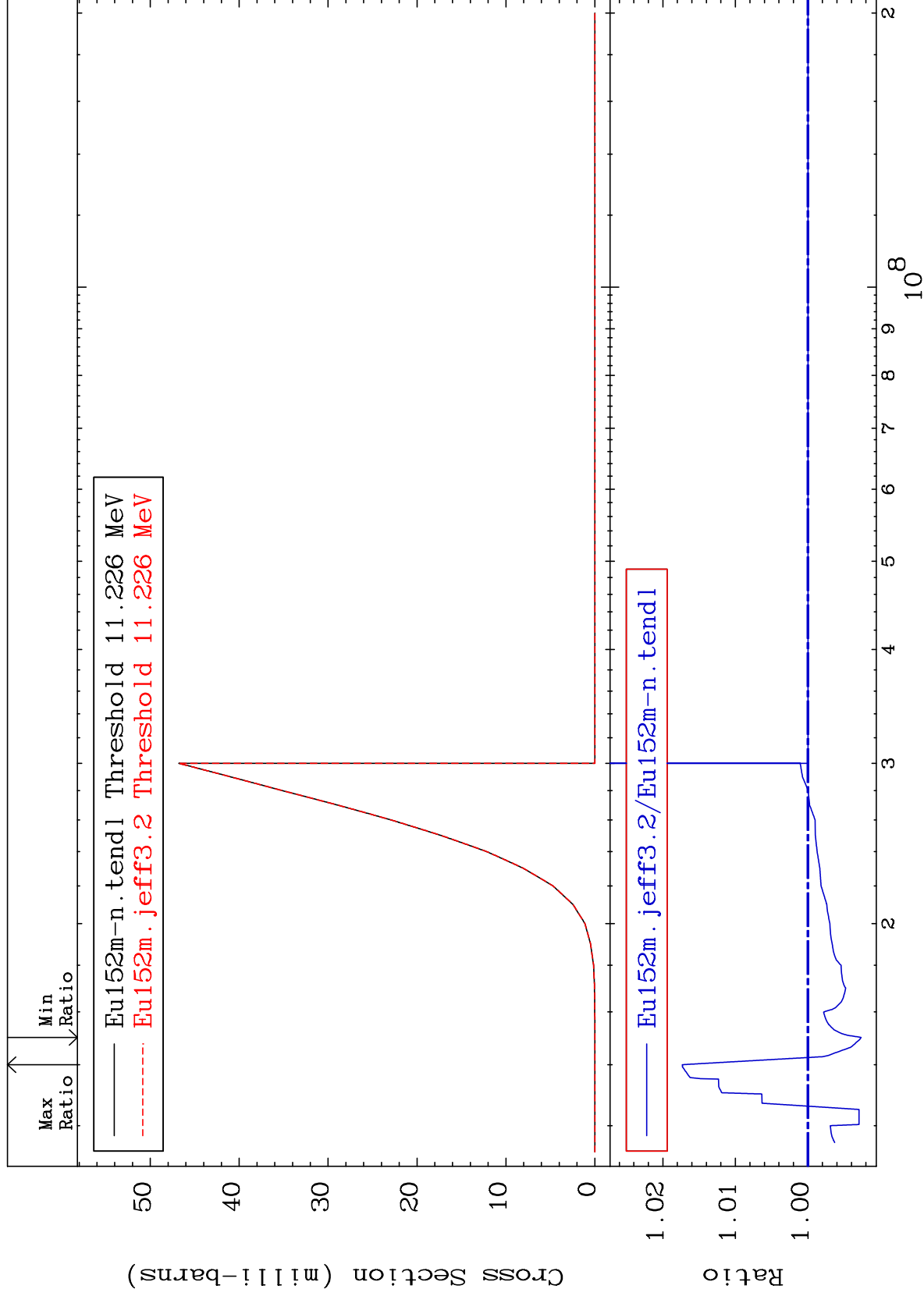
To 1.534 %

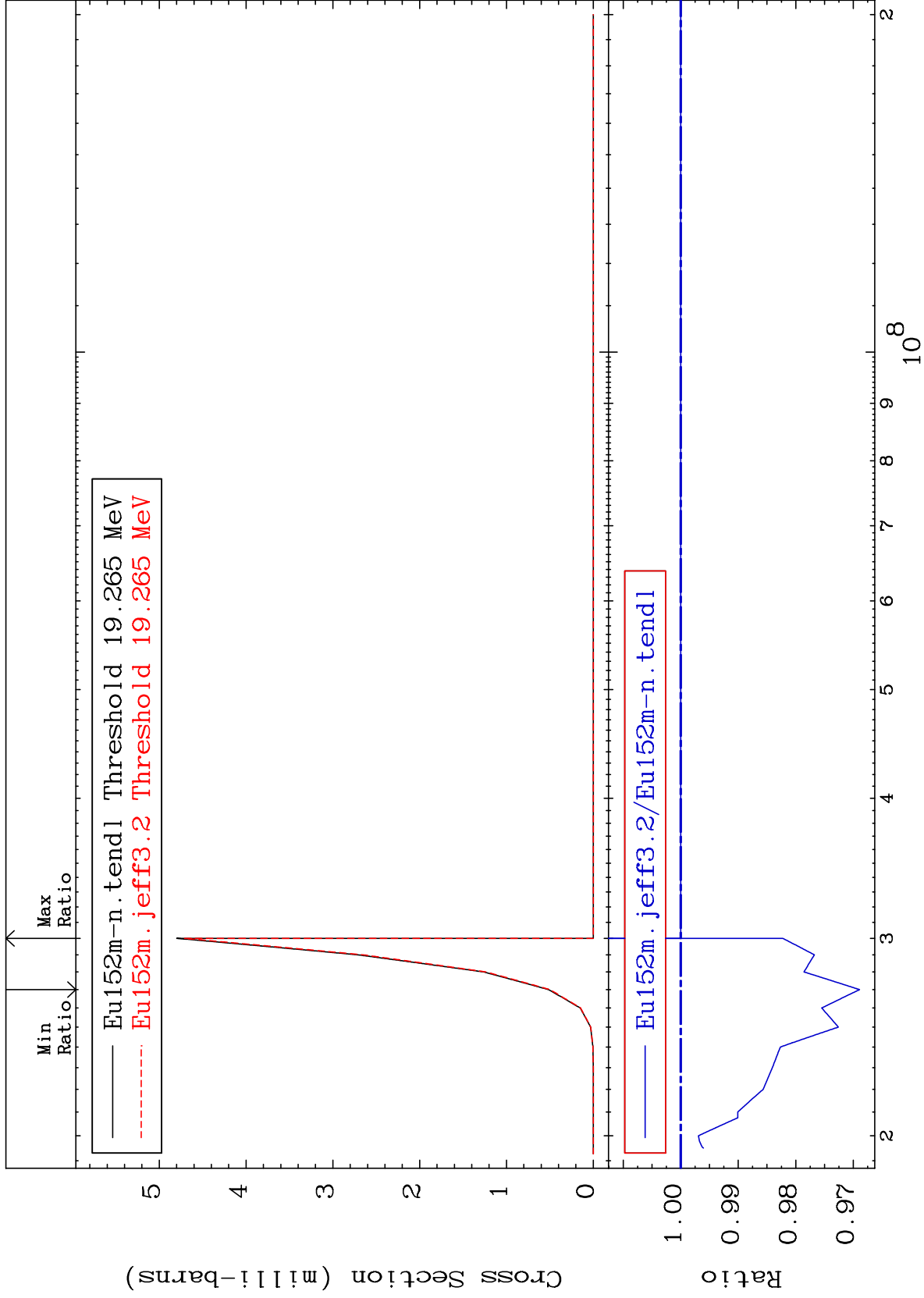


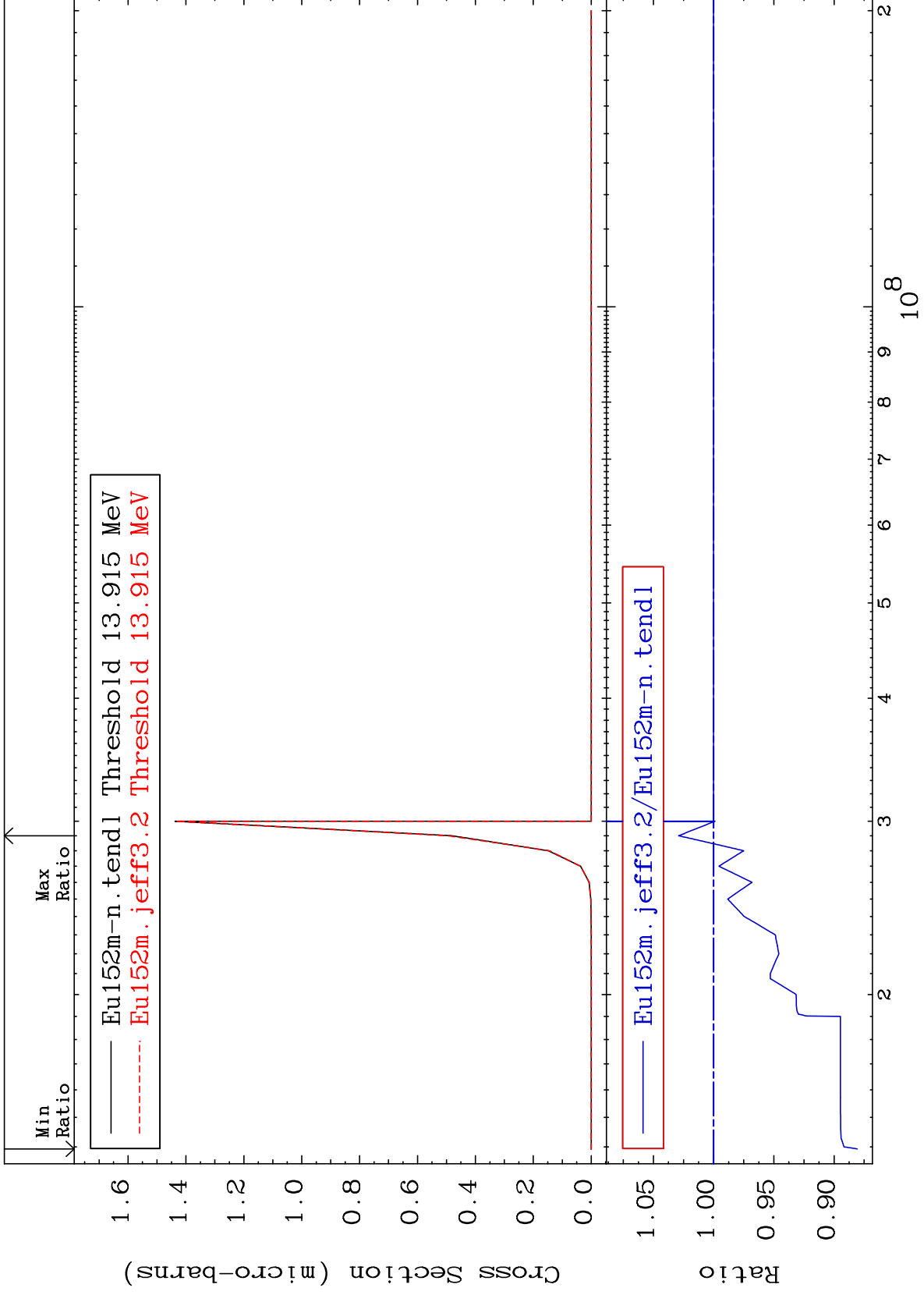
MAT 6329

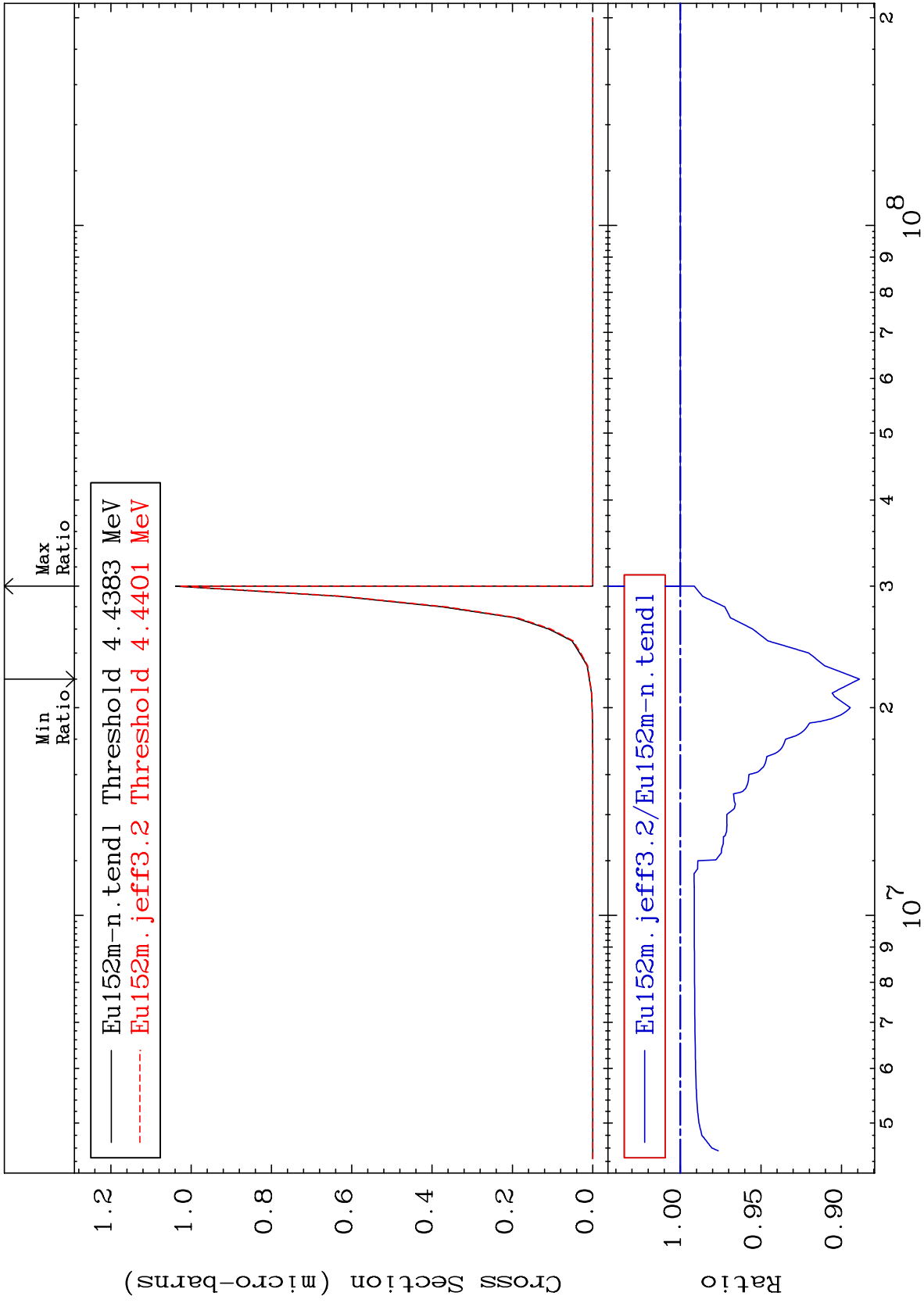
(n,2n) p
Cross Section

63-Eu-152
-0.733 To 1.732 %





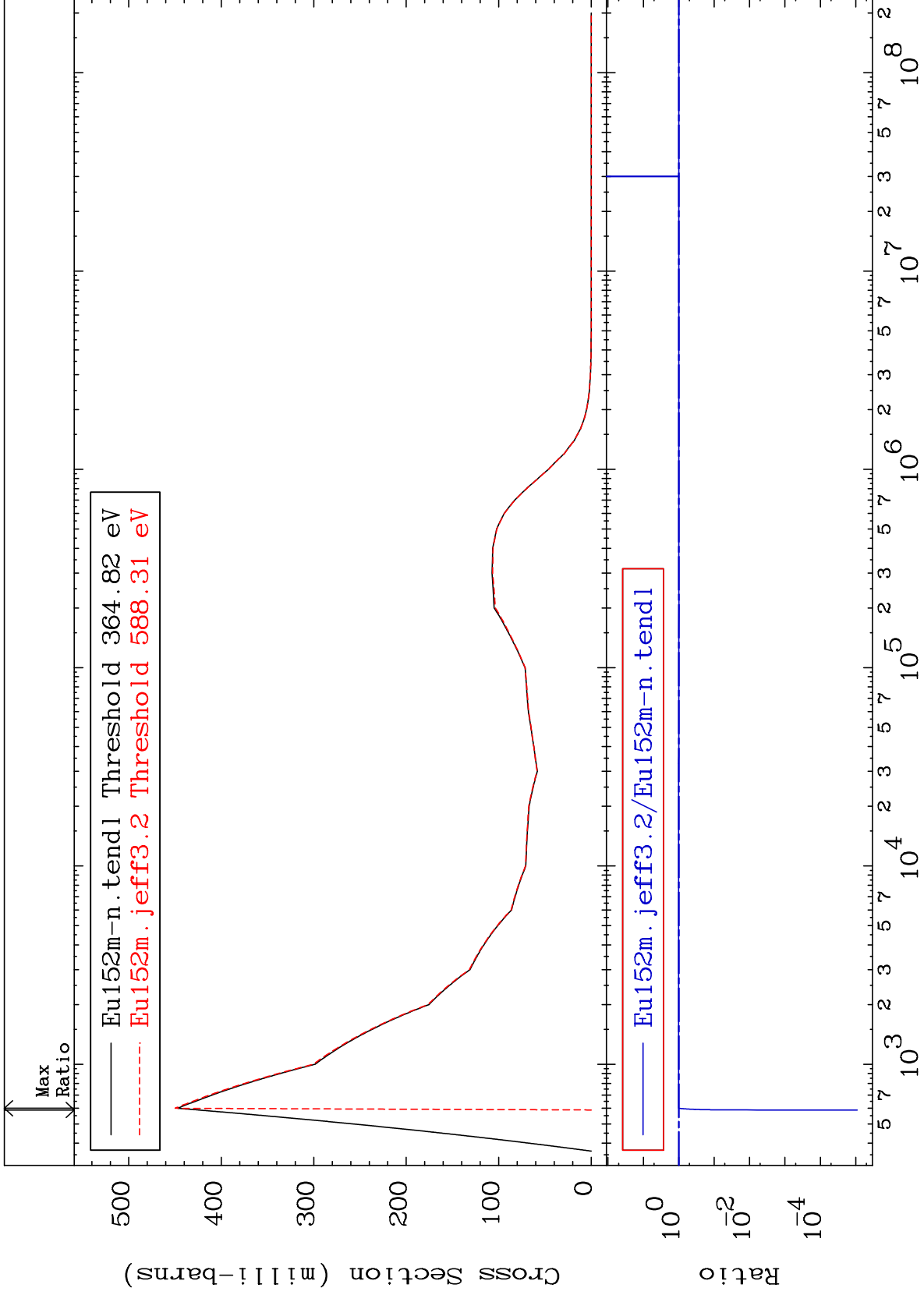




MAT 6329

0.000 keV (n,n') Level
Cross Section

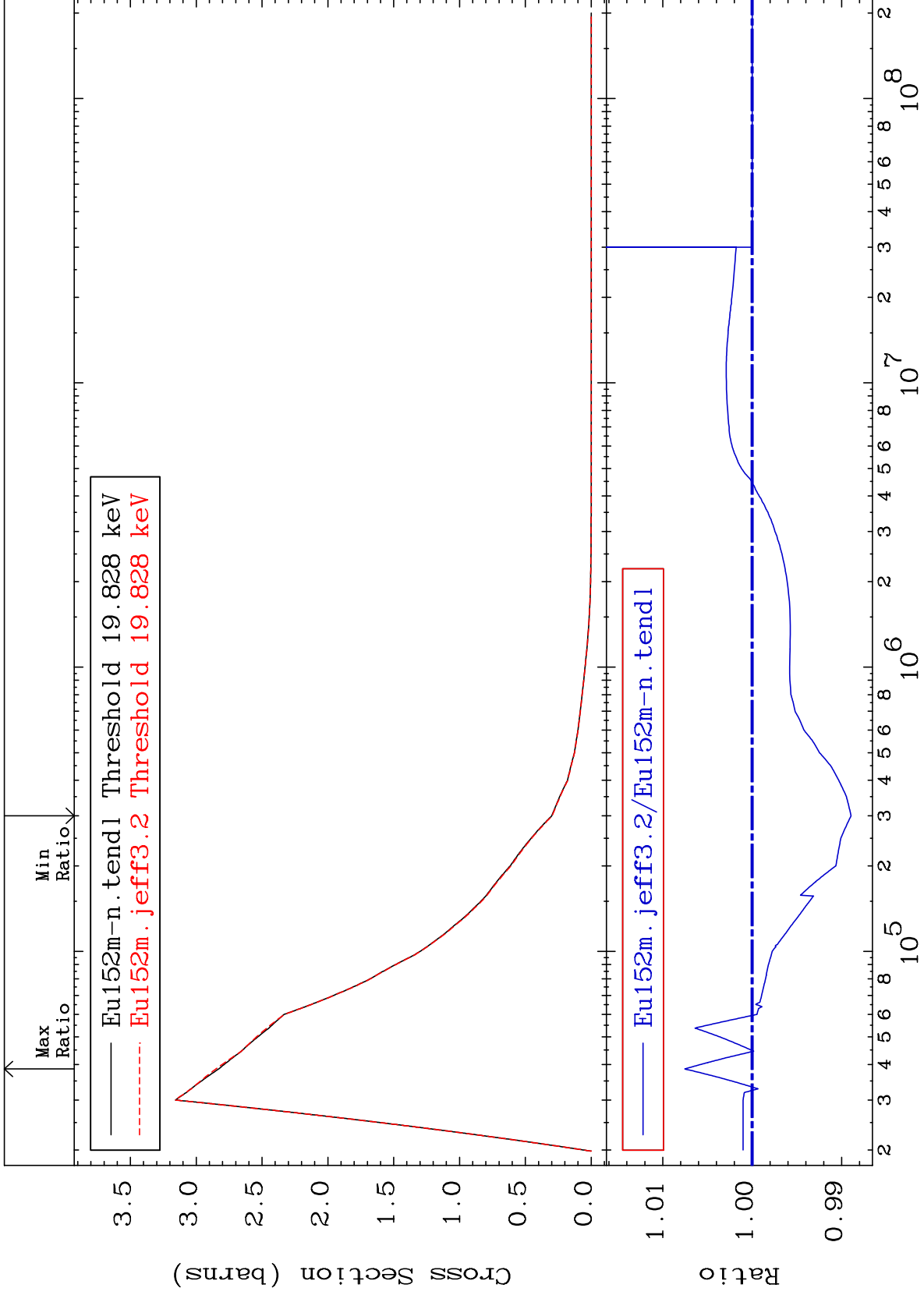
63-Eu-152
-100.0 To 0.680 %



MAT 6329

65.30 keV (n,n') Level
Cross Section

63-Eu-152
-1.106 To 0.753 %



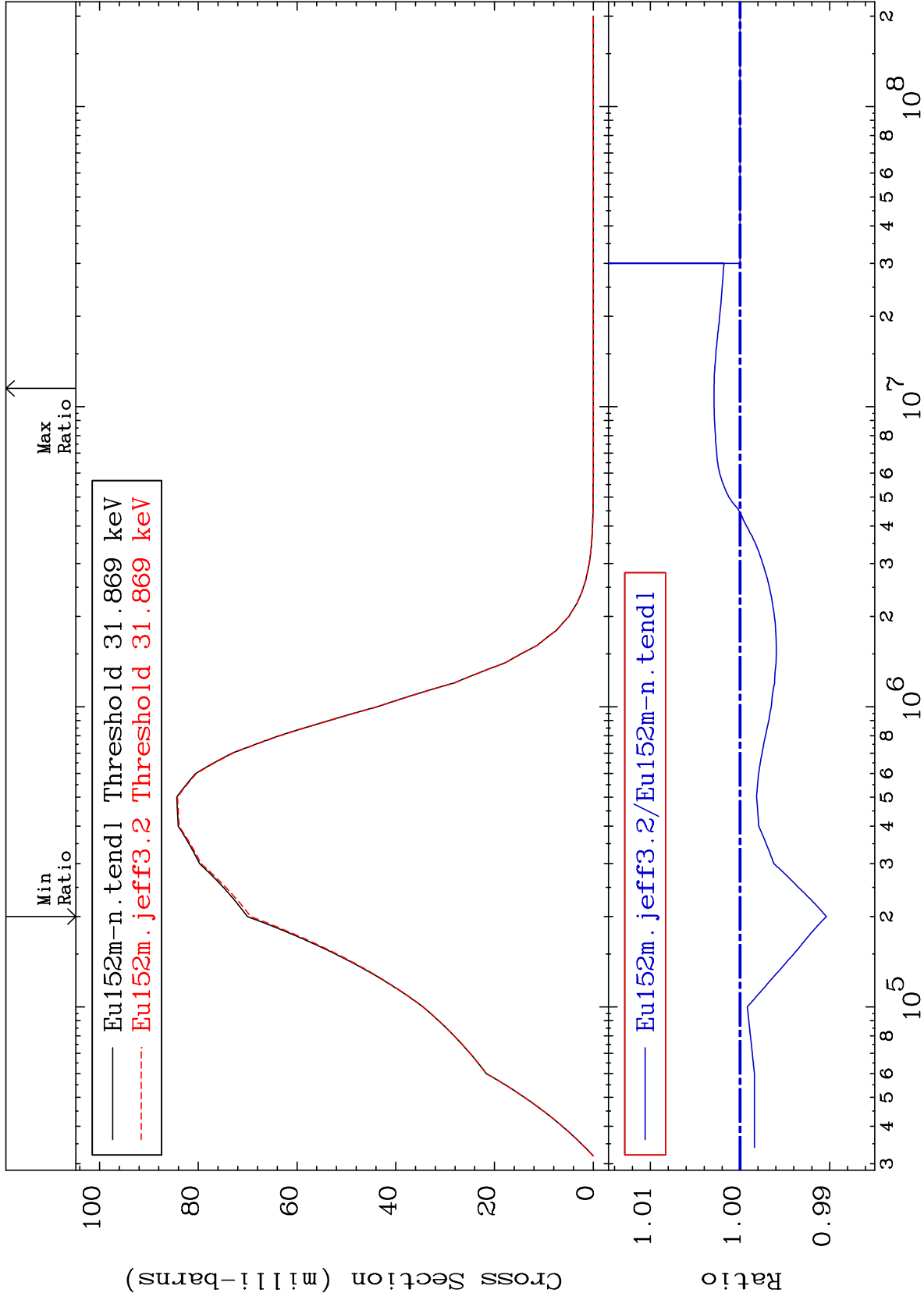
MAT 6329

77.26 keV (n,n') Level

63-Eu-152

-0.963 To 0.291 %

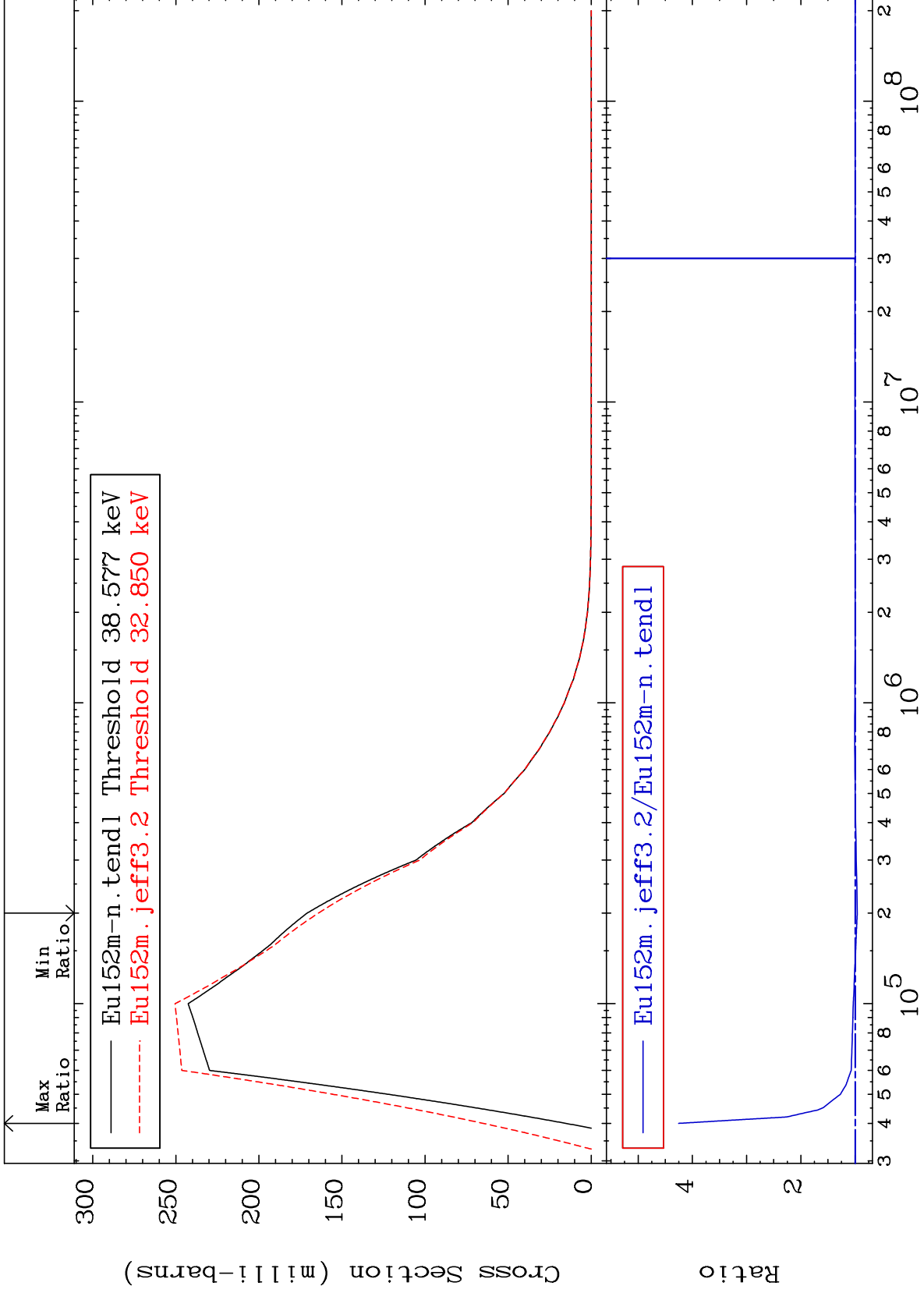
Cross Section



MAT 6329

83.92 keV (n,n') Level
Cross Section

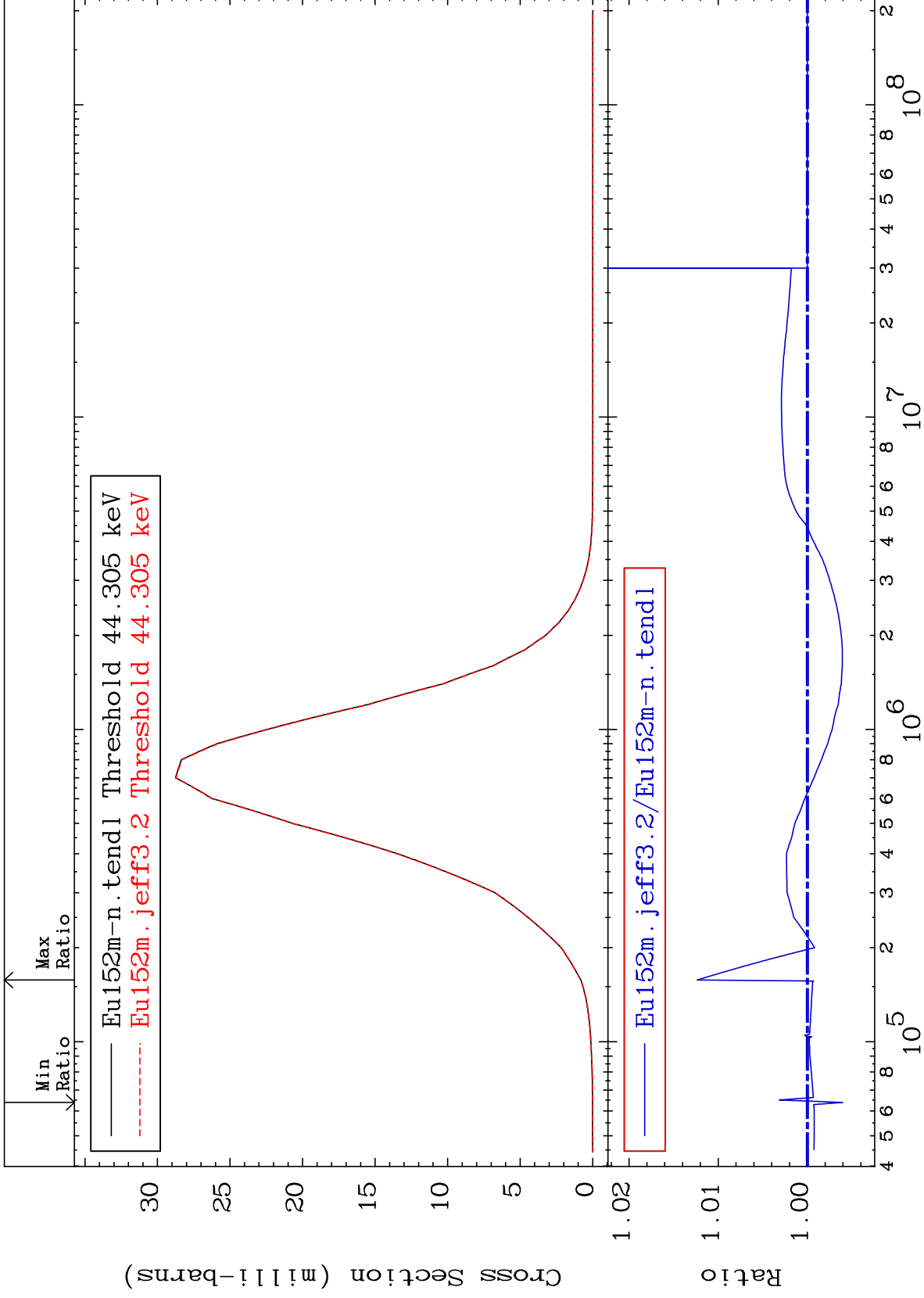
63-Eu-152
-3.991 To 325.3 %



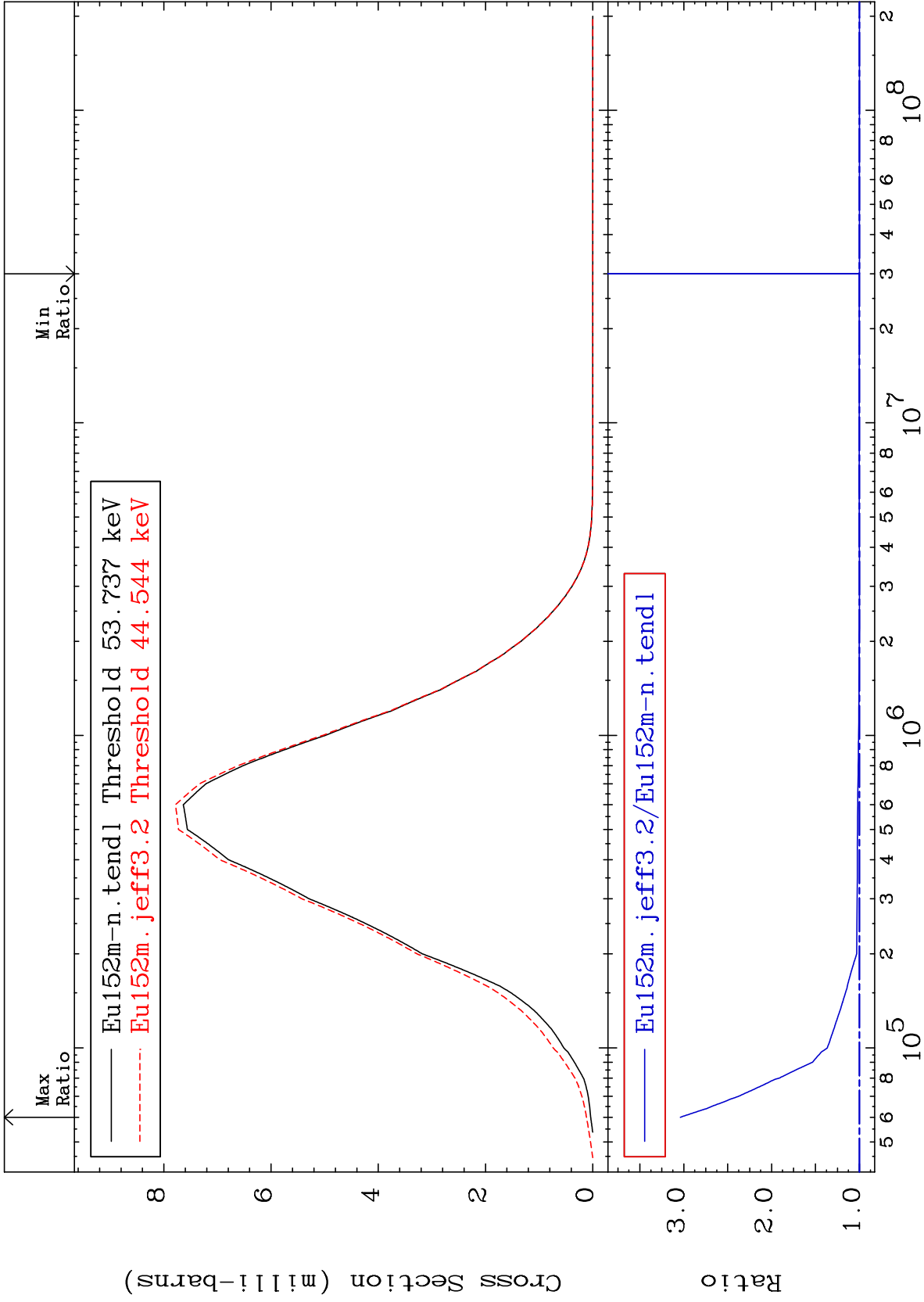
MAT 6329

89.61 keV (n,n') Level
Cross Section

63-Eu-152
-0.396 To 1.236 %



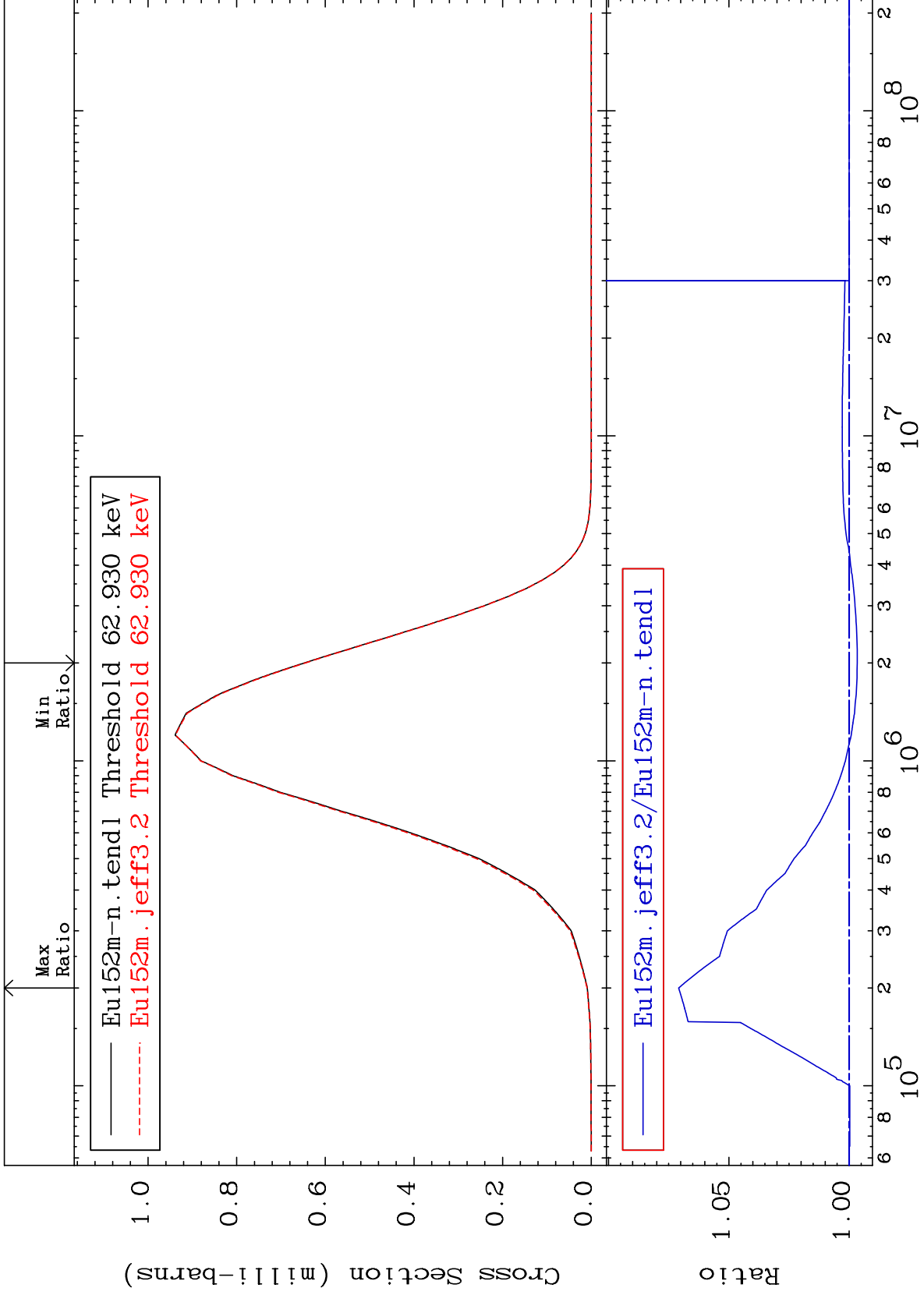
MAT 6329 98.98 keV (n,n') Level Cross Section 63-Eu-152 To 203.9 %



MAT 6329

108.1 keV (n,n') Level
Cross Section

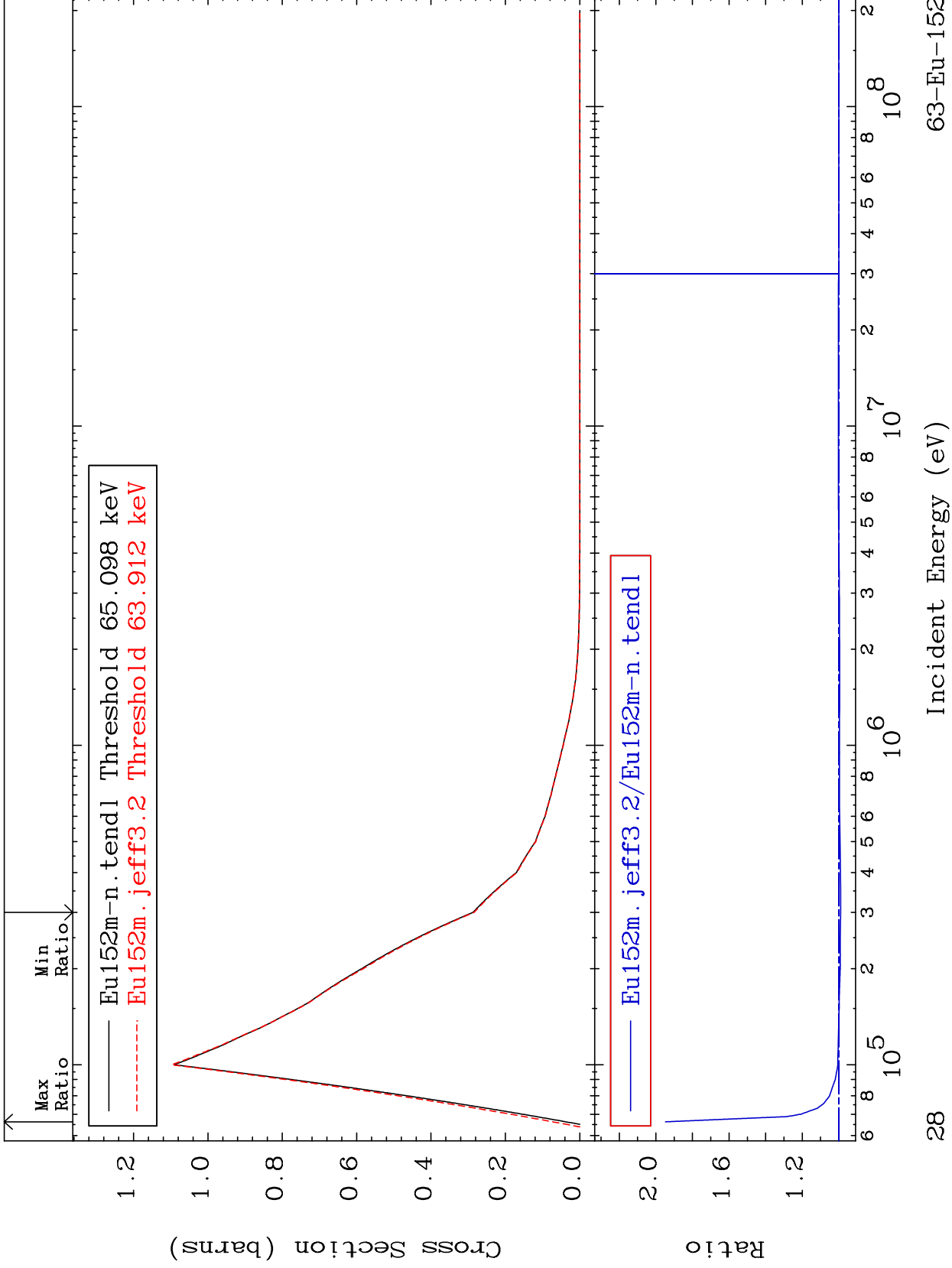
63-Eu-152
-0.334 To 7.087 %



MAT 6329

110.3 keV (n,n') Level
Cross Section

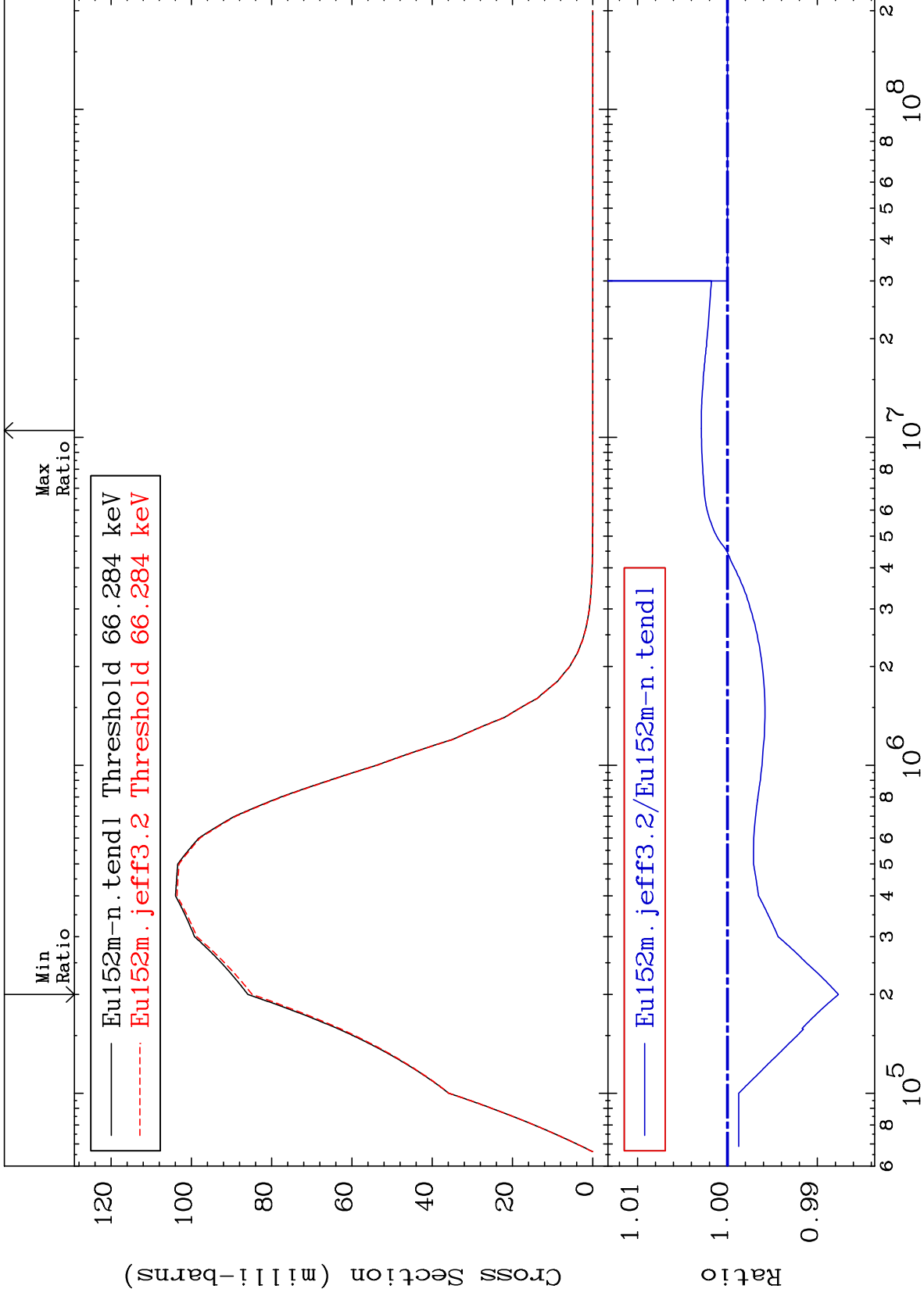
63-Eu-152
-0.987 To 94.73 %



MAT 6329

111.4 keV (n,n') Level
Cross Section

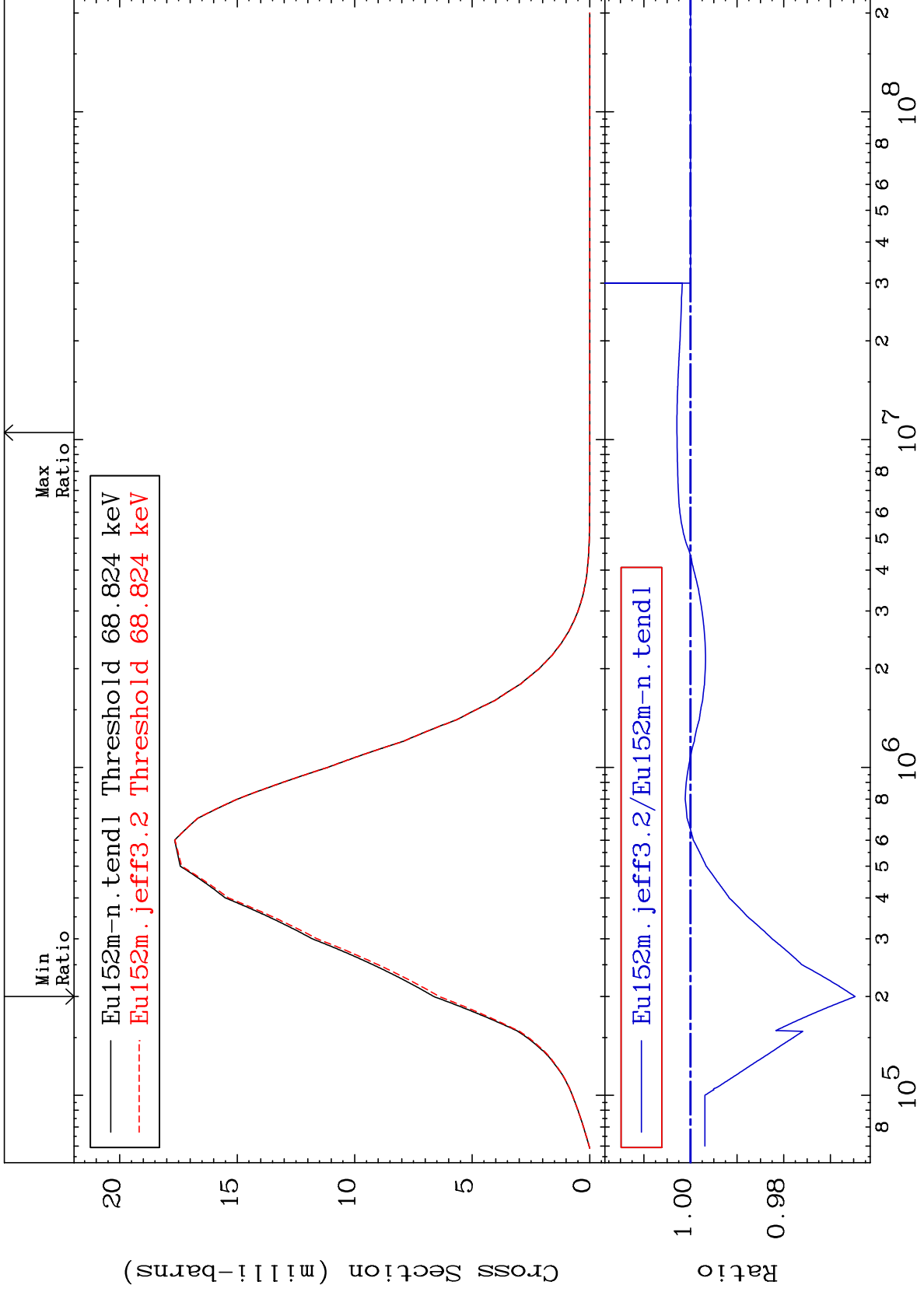
63-Eu-152
-1.234 To 0.290 %



MAT 6329

114.0 keV (n,n') Level
Cross Section

63-Eu-152
-3.529 To 0.290 %



30

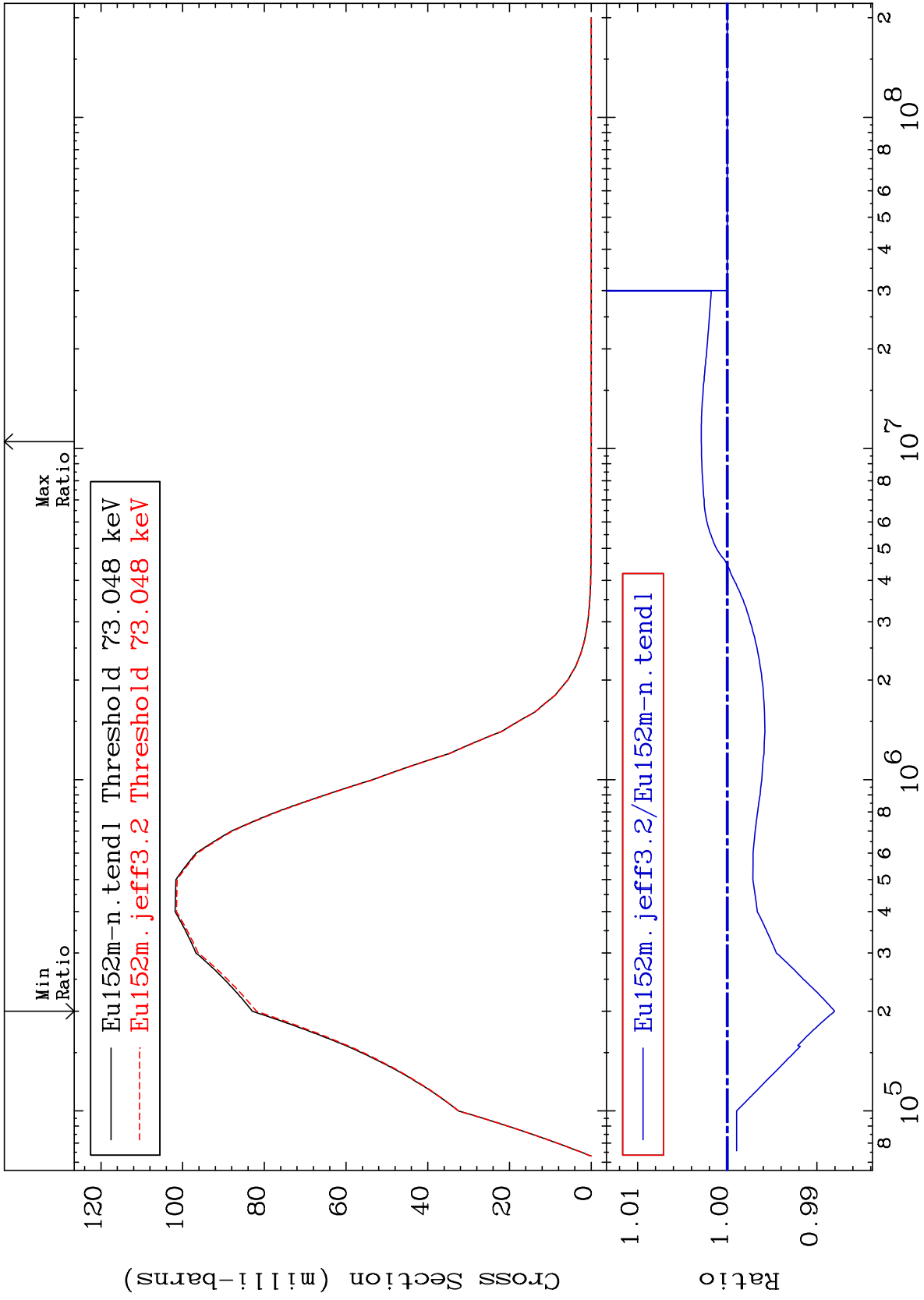
Incident Energy (eV)

63-Eu-152

MAT 6329

118.2 keV (n,n') Level
Cross Section

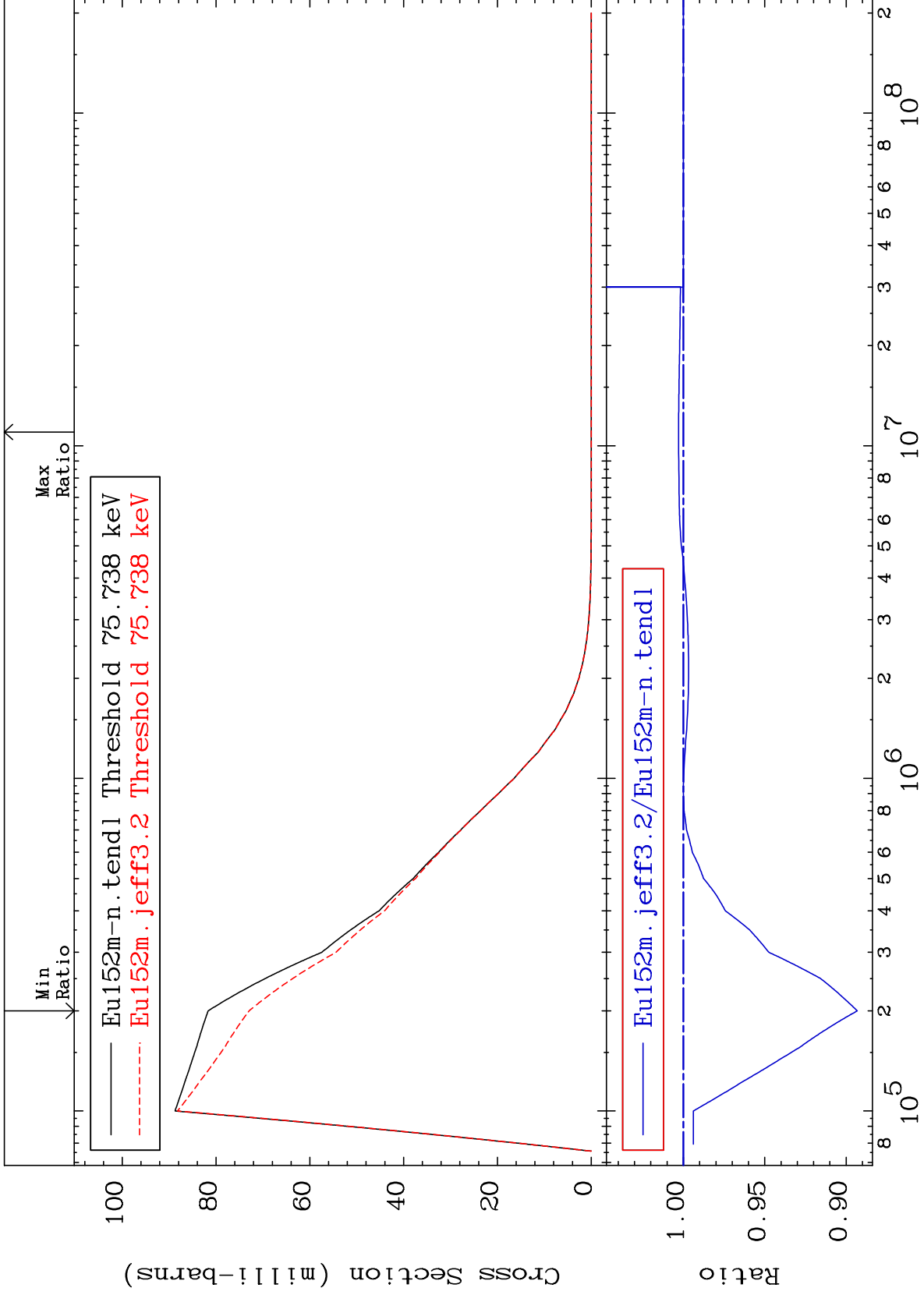
63-Eu-152
-1.197 To 0.290 %



MAT 6329

120.8 keV (n,n') Level
Cross Section

63-Eu-152
-10.68 To 0.290 %



32

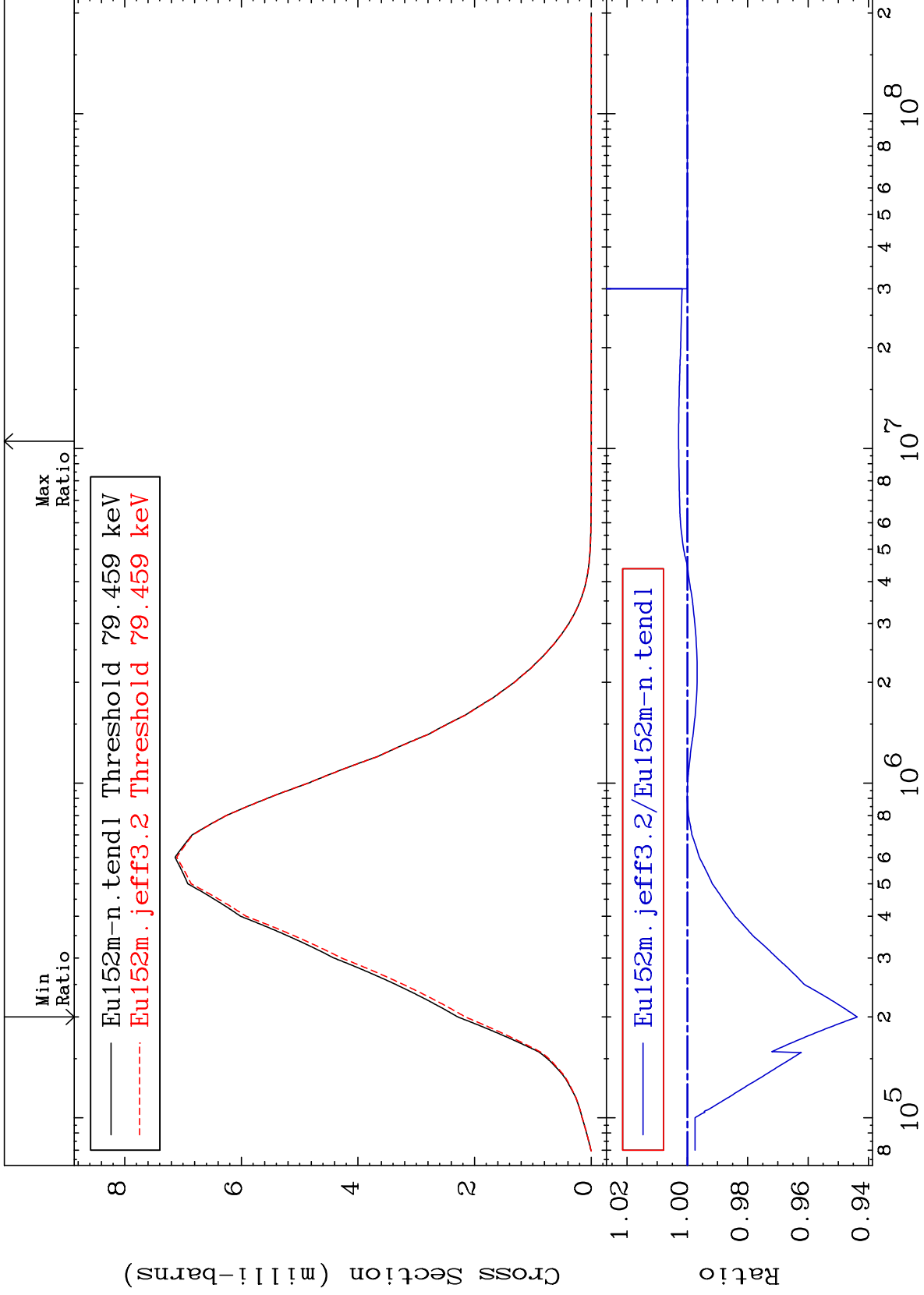
Incident Energy (eV)

63-Eu-152

MAT 6329

124.5 keV (n,n') Level
Cross Section

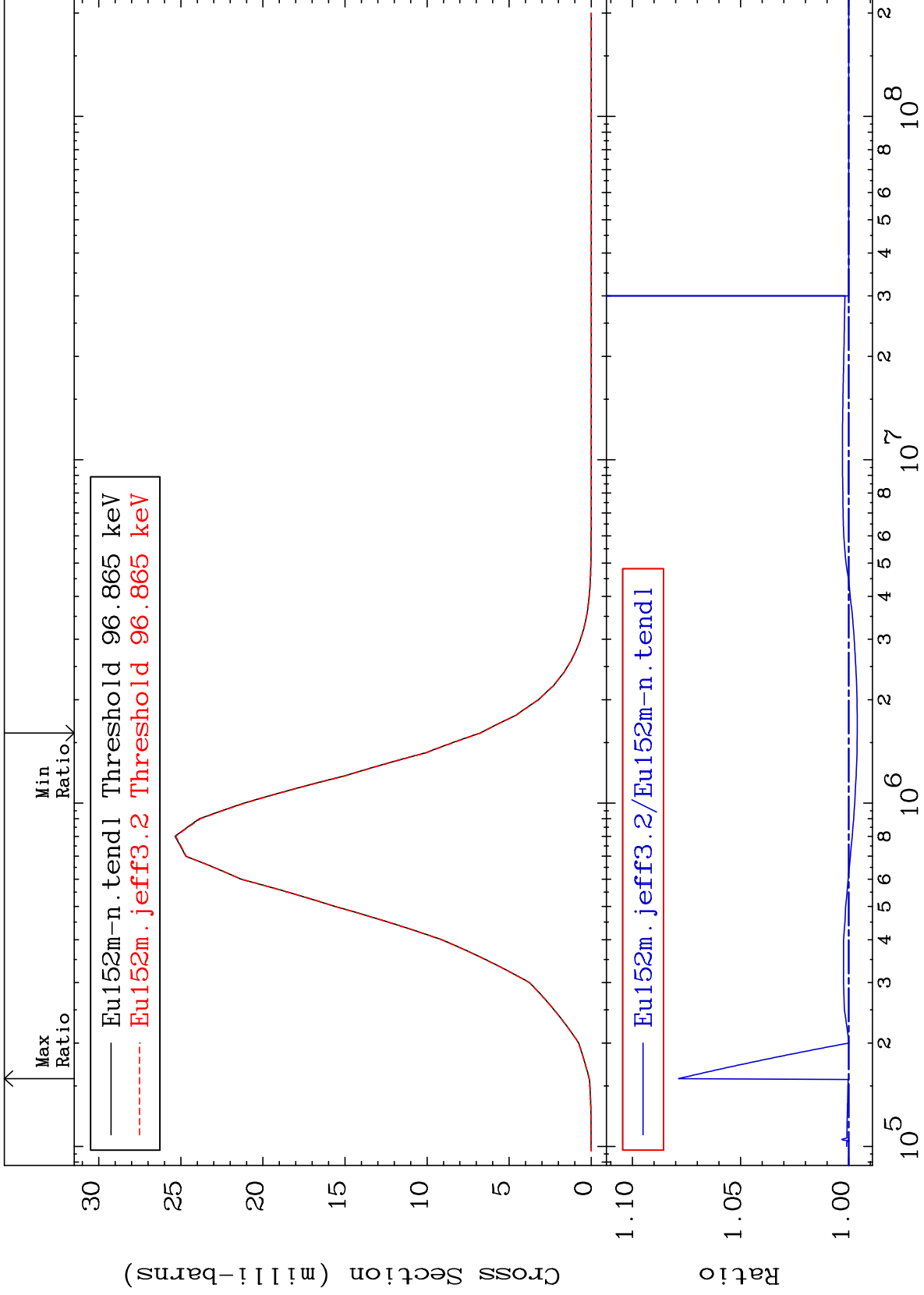
63-Eu-152
-5.631 To 0.291 %



MAT 6329

141.8 keV (n,n') Level
Cross Section

63-Eu-152
-0.393 To 7.861 %



34

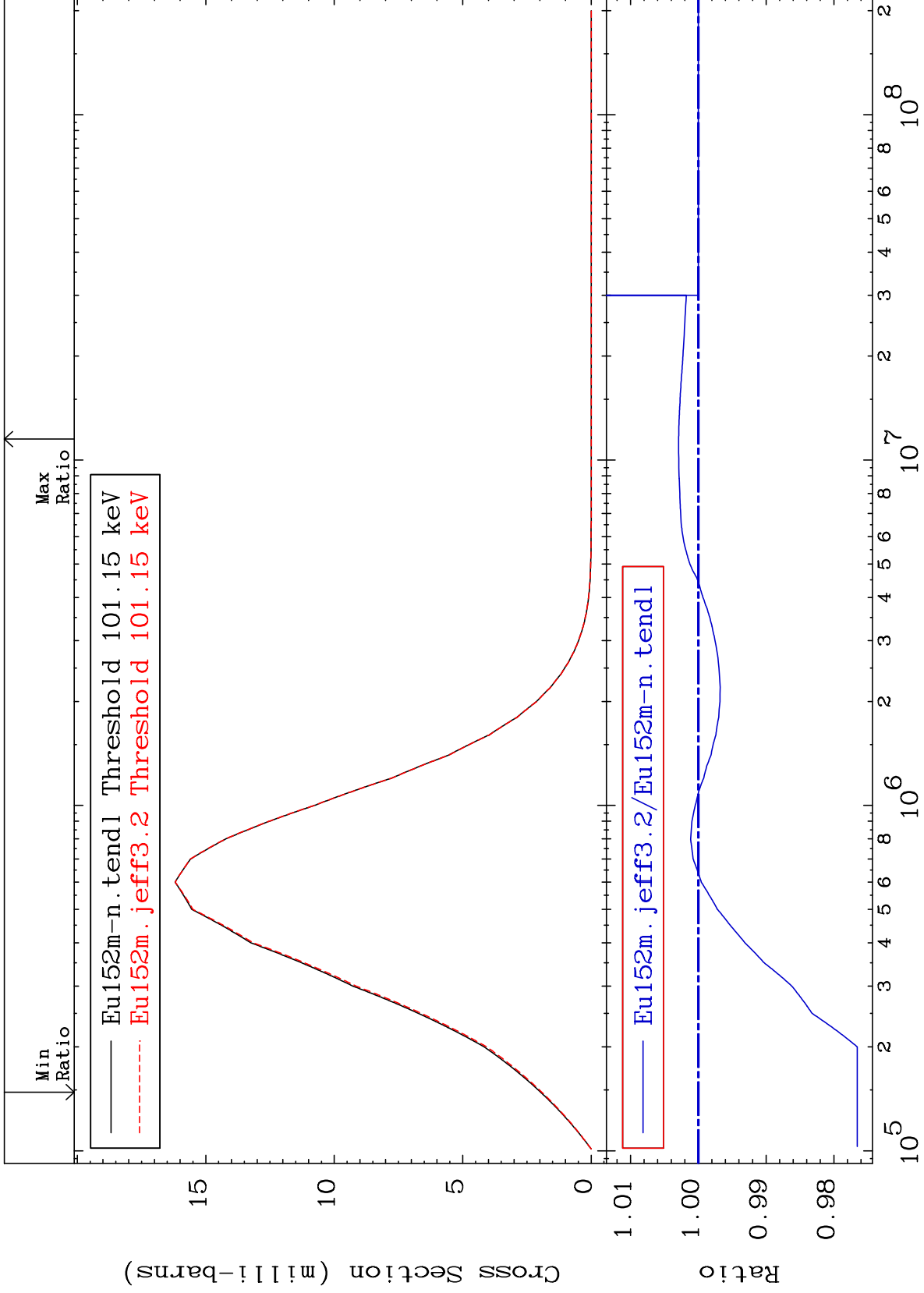
Incident Energy (eV)

63-Eu-152

MAT 6329

146.1 keV (n,n') Level
Cross Section

63-Eu-152
-2.345 To 0.291 %



35

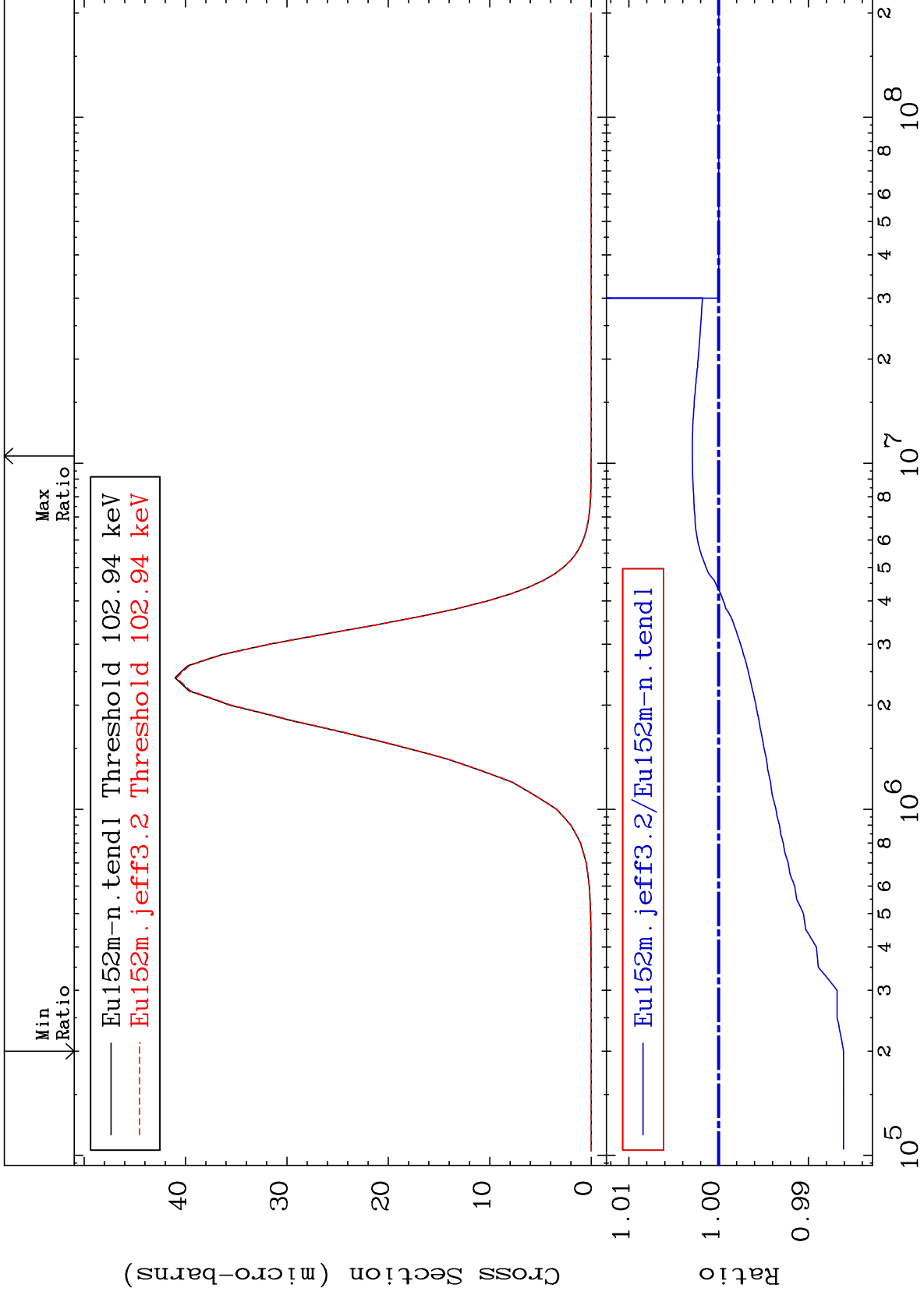
Incident Energy (eV)

63-Eu-152

MAT 6329

147.9 keV (n,n') Level
Cross Section

63-Eu-152
-1.391 To 0.293 %



36

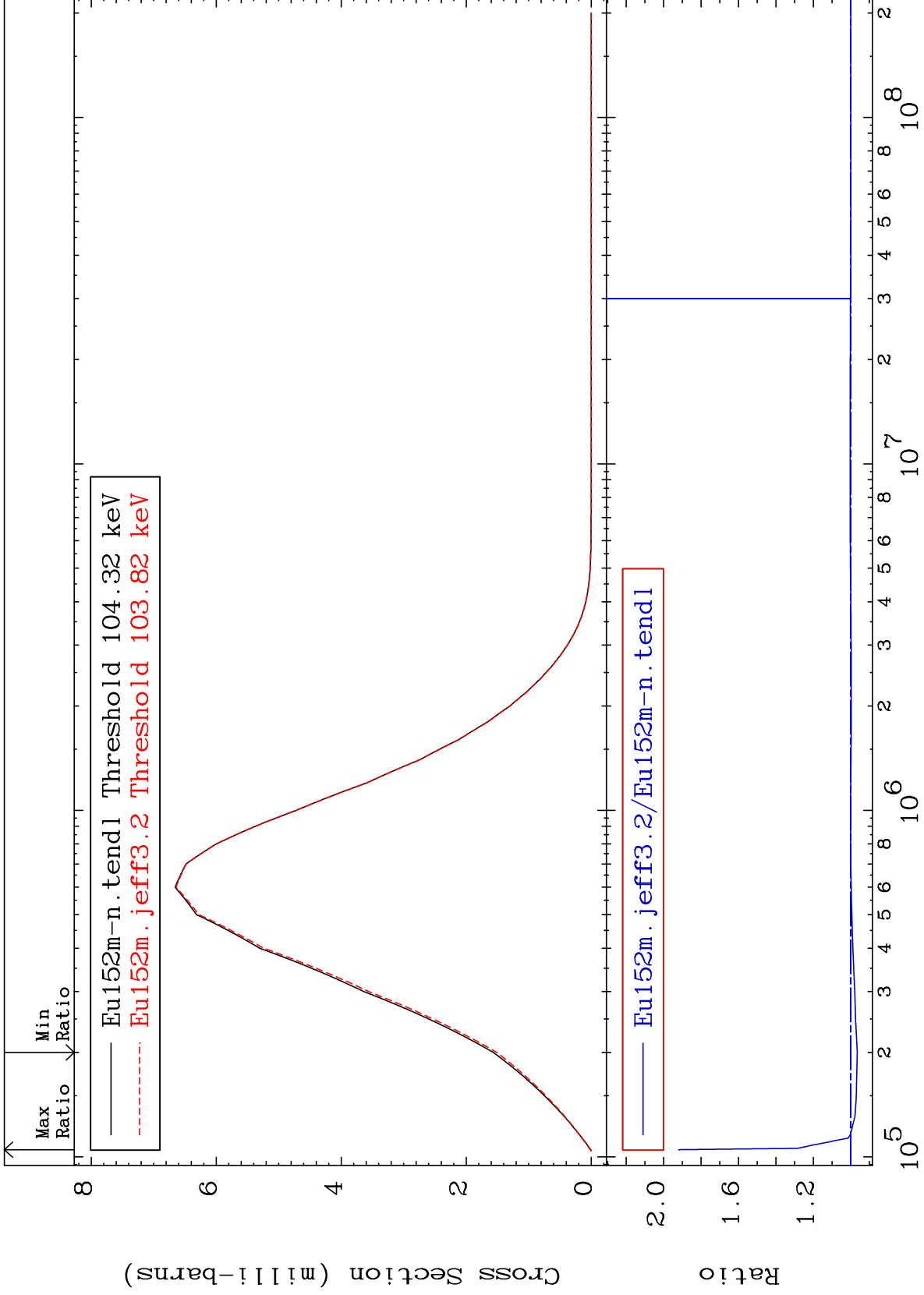
Incident Energy (eV)

63-Eu-152

MAT 6329

149.2 keV (n,n') Level
Cross Section

63-Eu-152
-3.501 To 92.00 %



37

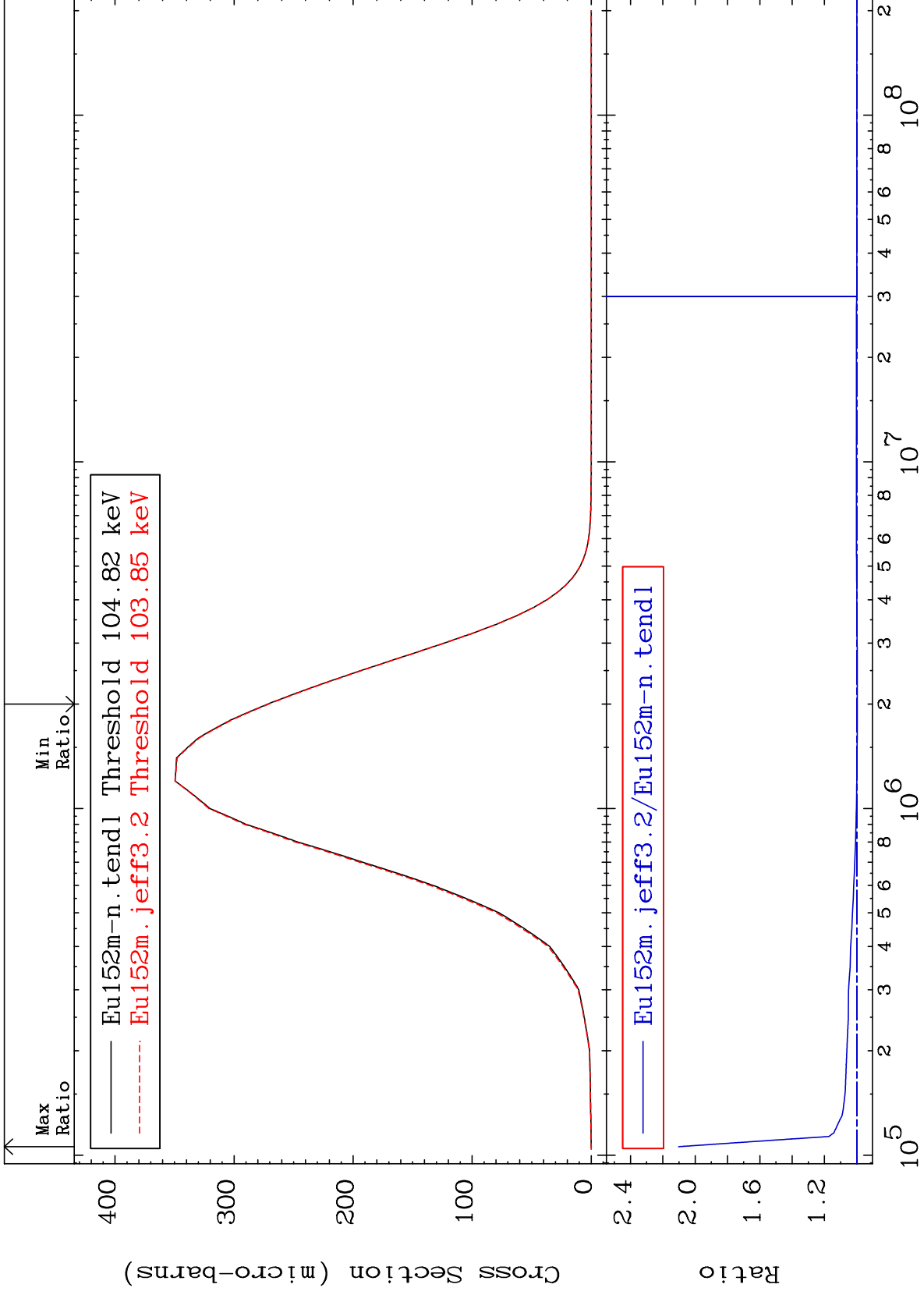
Incident Energy (eV)

63-Eu-152

MAT 6329

149.7 keV (n,n') Level
Cross Section

63-Eu-152
-0.265 To 110.2 %



38

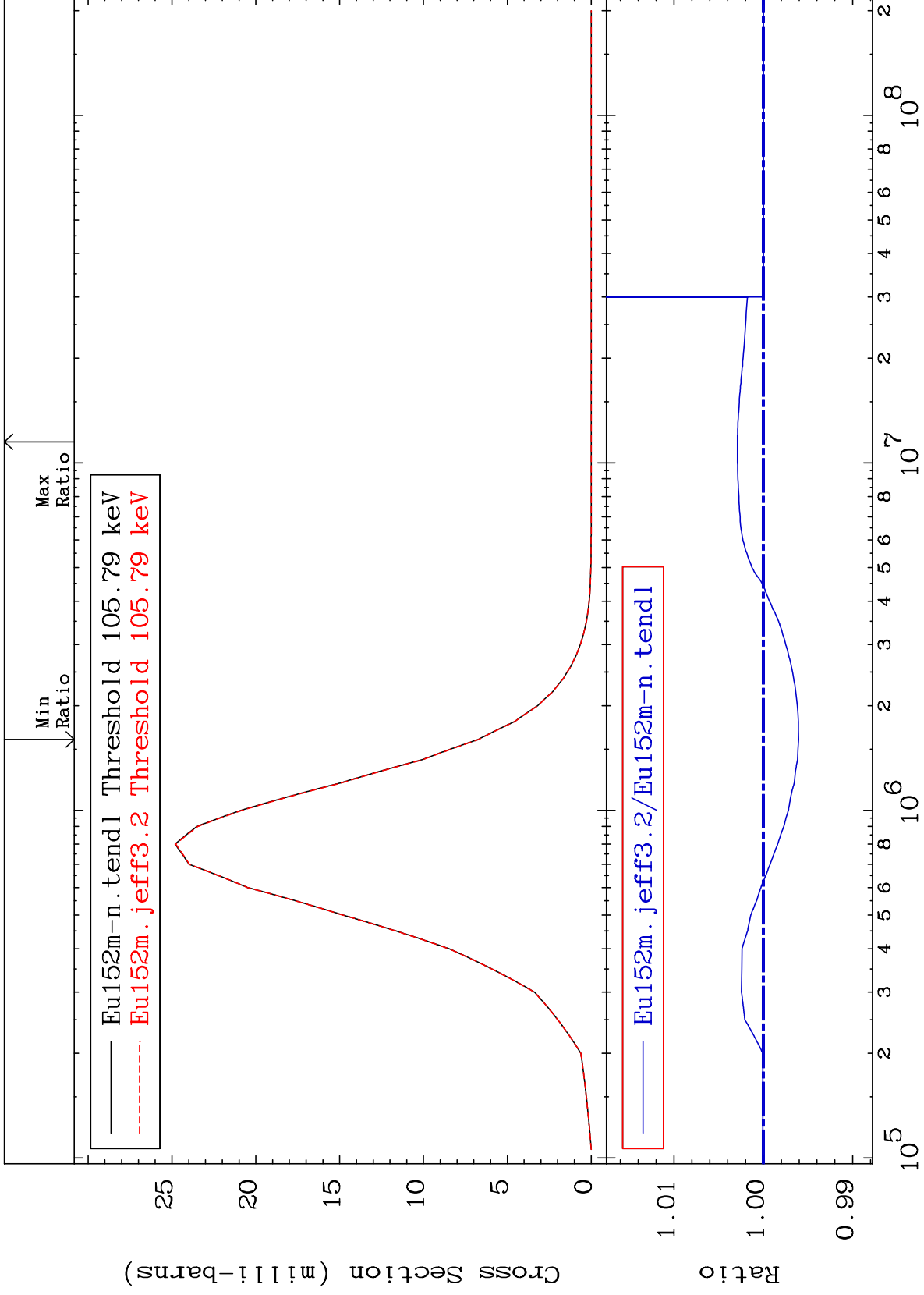
Incident Energy (eV)

63-Eu-152

MAT 6329

150.7 keV (n,n') Level
Cross Section

63-Eu-152
-0.393 To 0.291 %



39

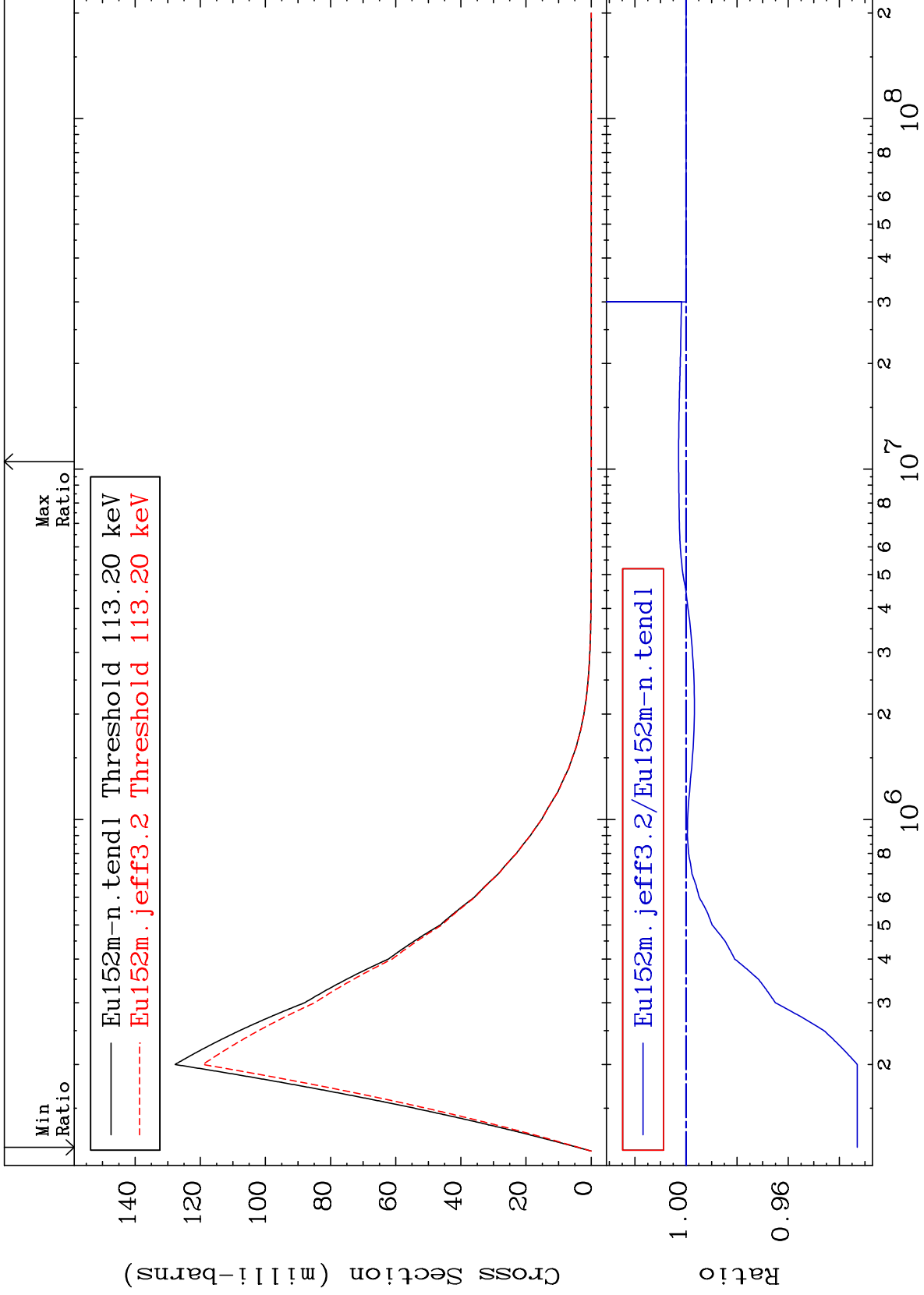
Incident Energy (eV)

63-Eu-152

MAT 6329

158.1 keV (n,n') Level
Cross Section

63-Eu-152
-6.702 To 0.290 %



40

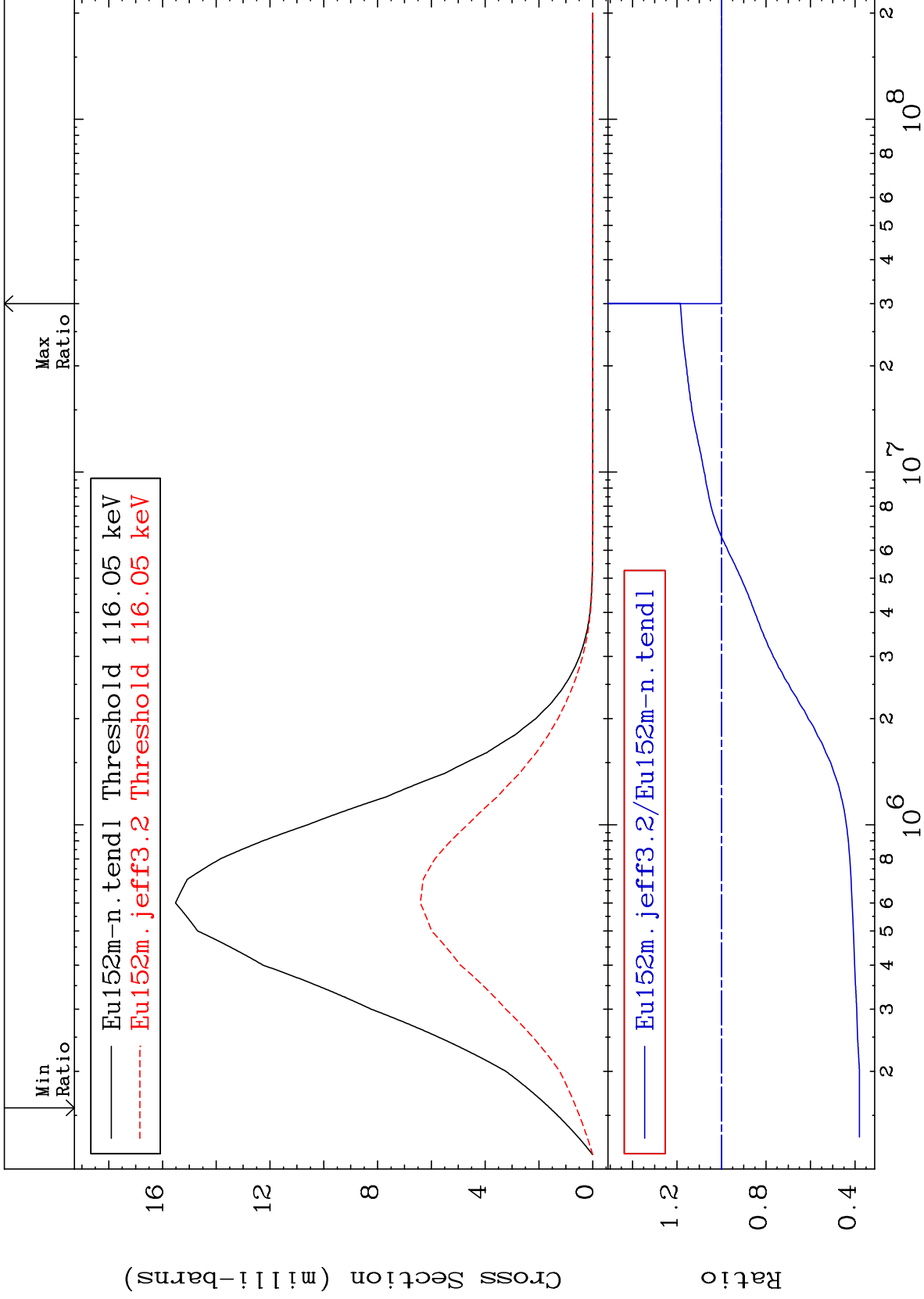
Incident Energy (eV)

63-Eu-152

MAT 6329

160.9 keV (n,n') Level
Cross Section

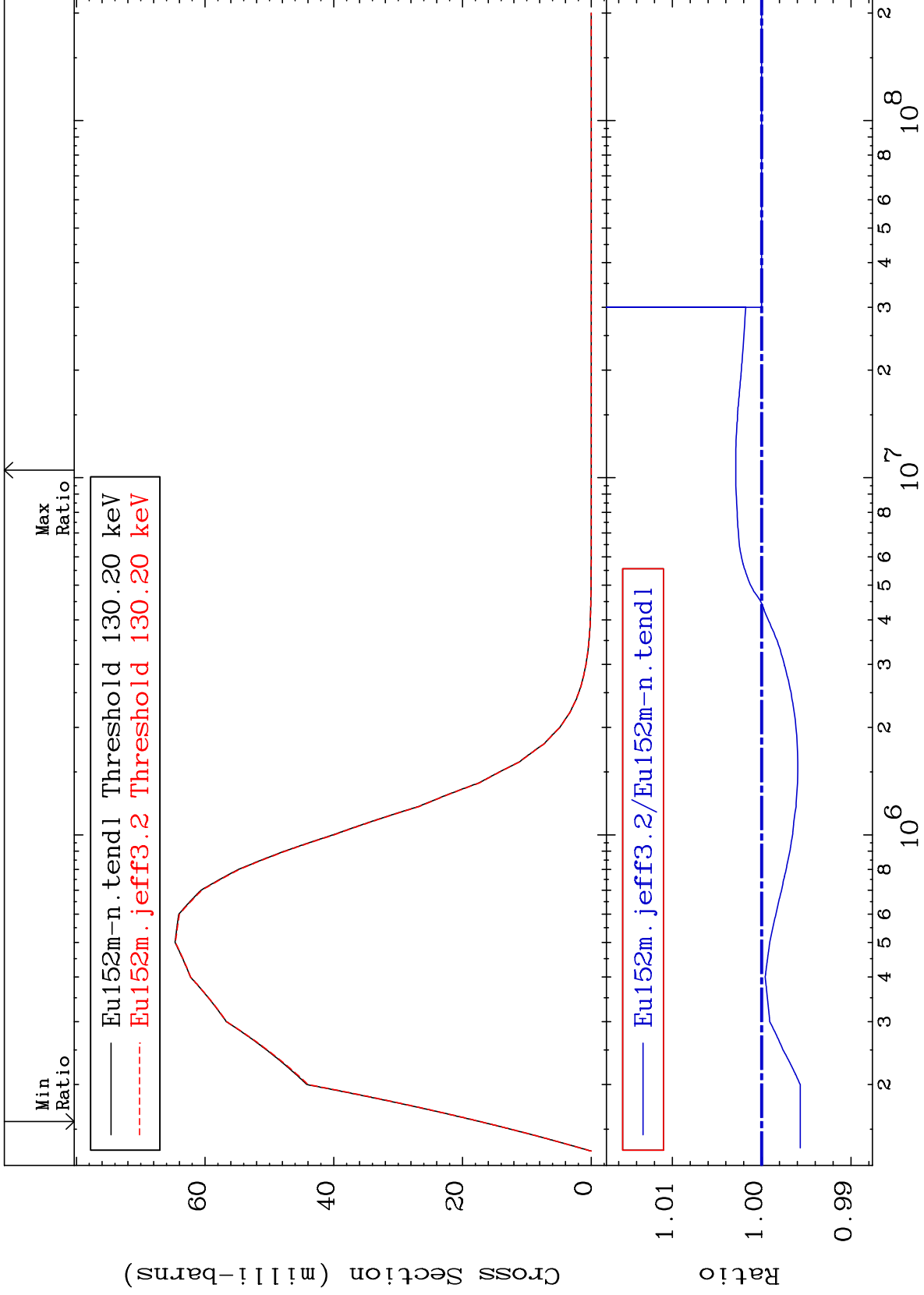
63-Eu-152
-61.98 To 18.50 %



MAT 6329

174.9 keV (n,n') Level
Cross Section

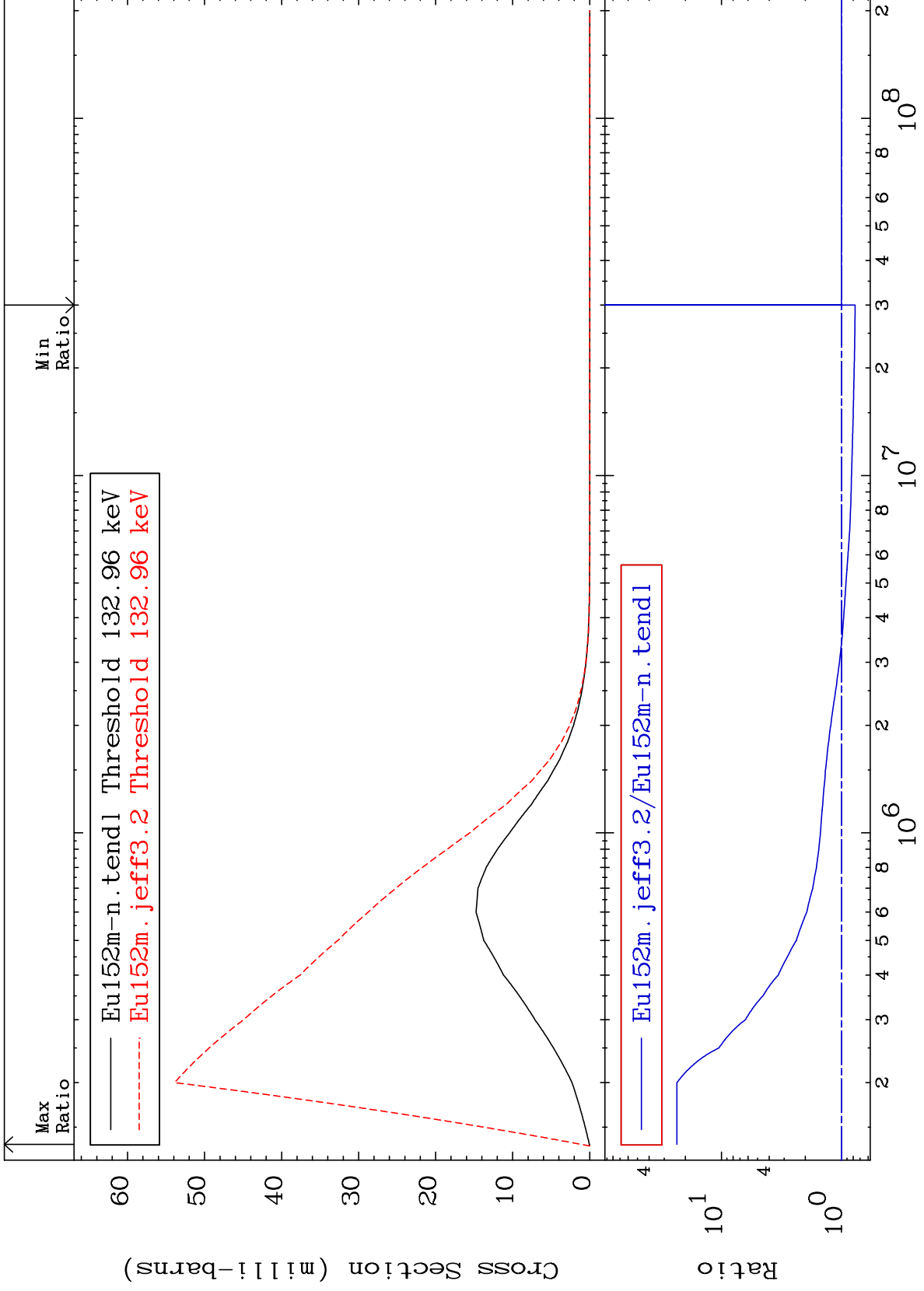
63-Eu-152
-0.431 To 0.290 %



MAT 6329

177.7 keV (n,n') Level
Cross Section

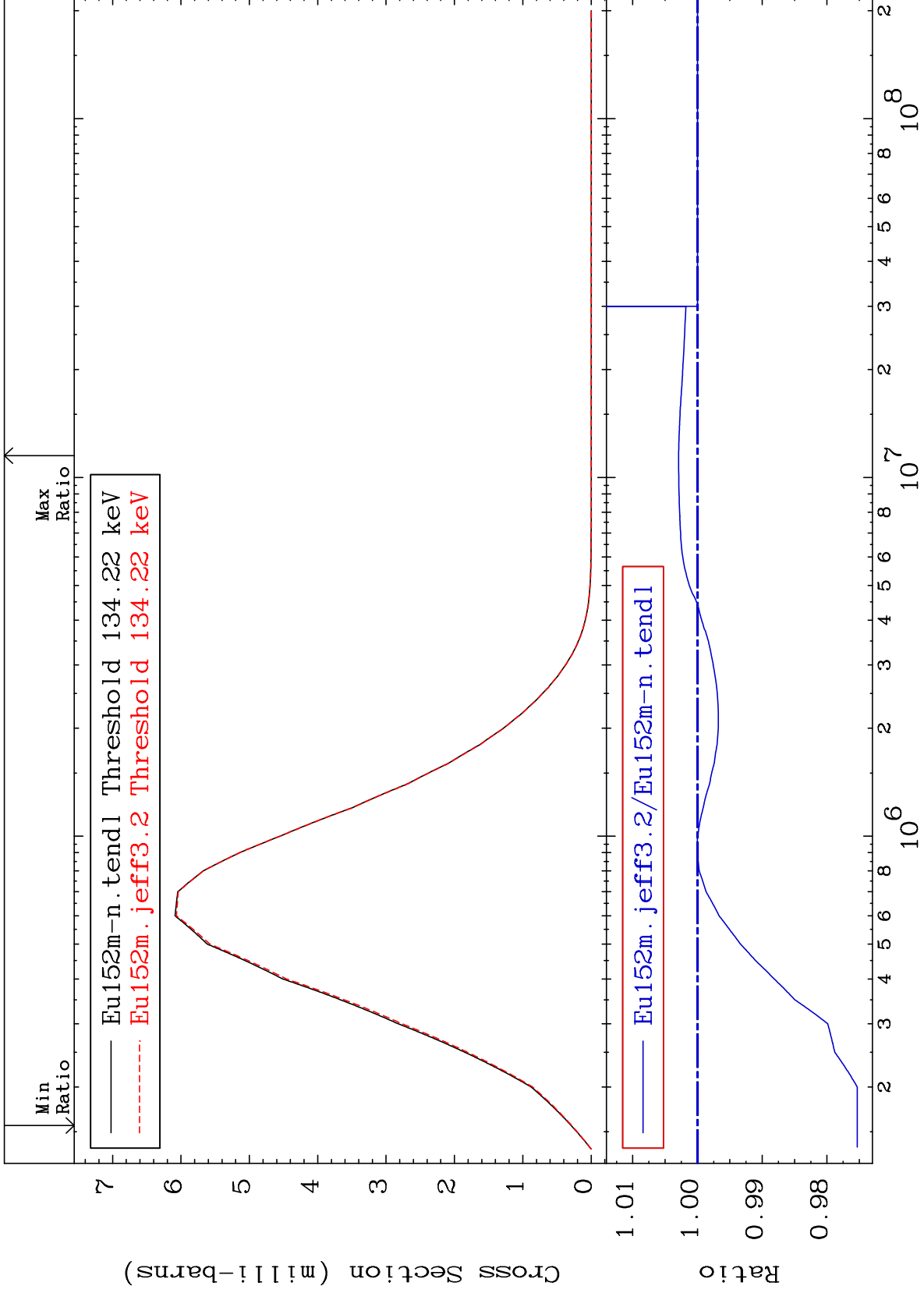
63-Eu-152
-22.97 To 2249. %



MAT 6329

178.9 keV (n,n') Level
Cross Section

63-Eu-152
-2.467 To 0.291 %



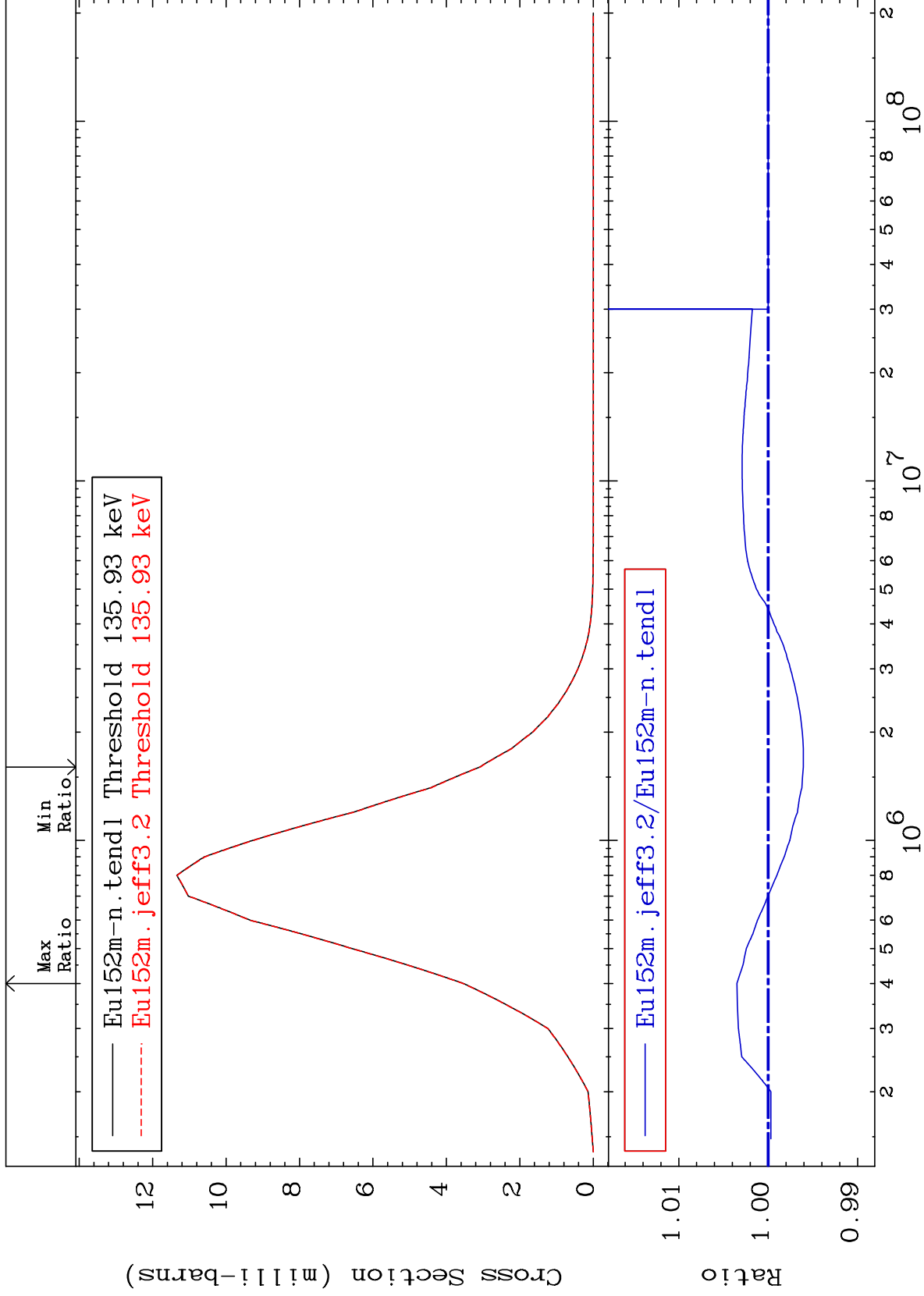
MAT 6329

180.6 keV (n,n') Level

63-Eu-152

-0.394 To 0.349 %

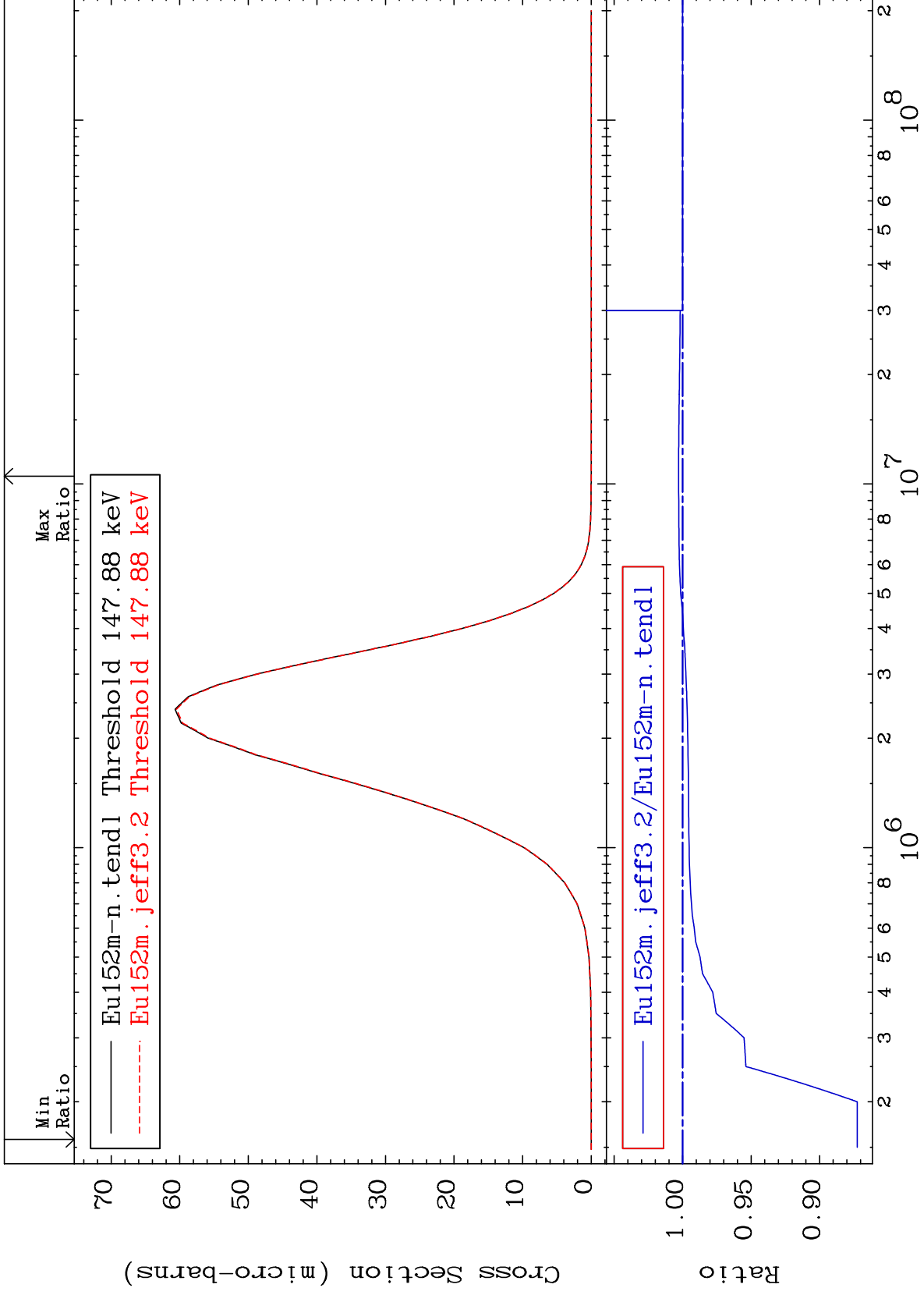
Cross Section



MAT 6329

192.5 keV (n,n') Level
Cross Section

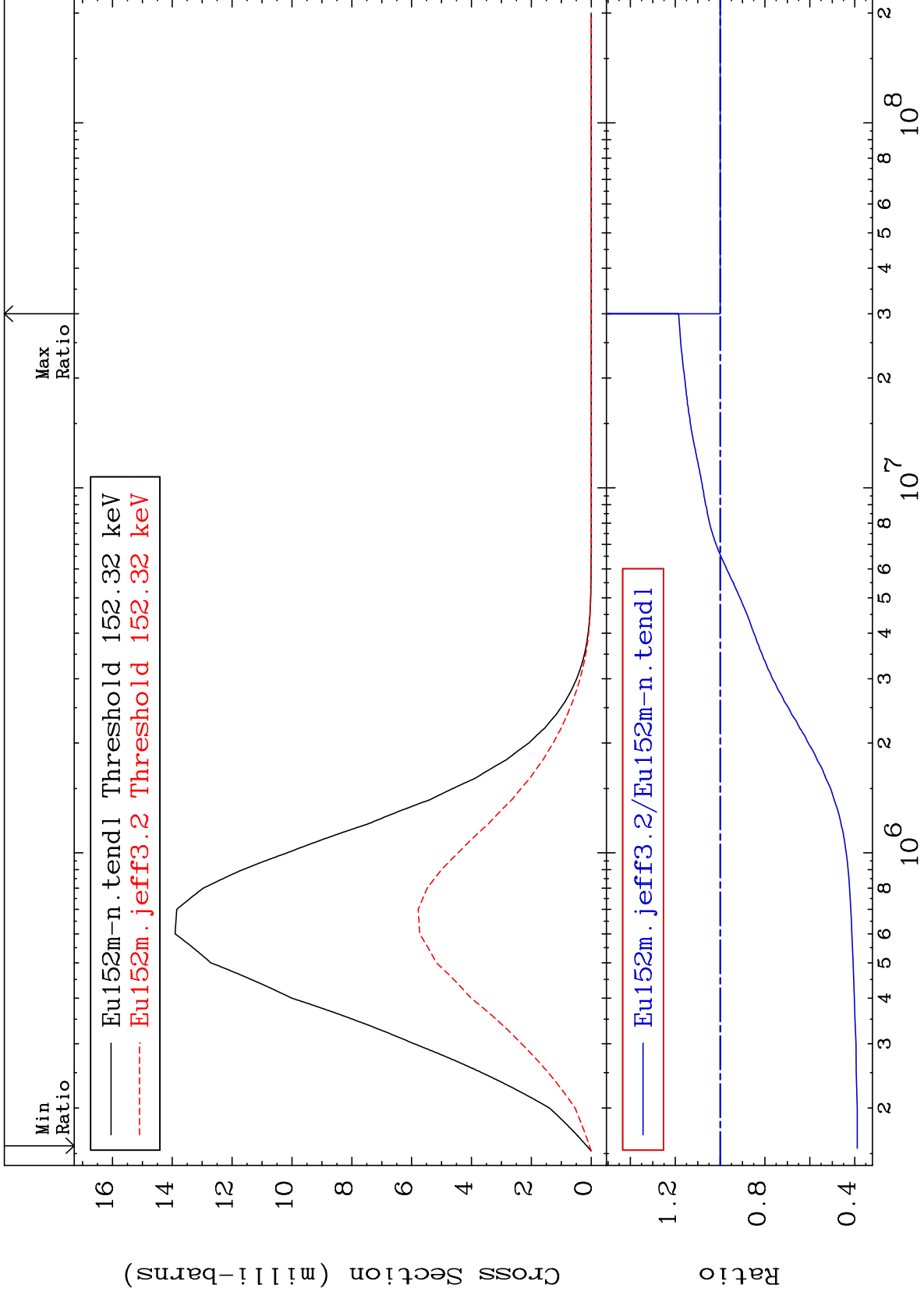
63-Eu-152
-12.76 To 0.293 %



MAT 6329

196.9 keV (n,n') Level
Cross Section

63-Eu-152
-61.16 To 18.49 %



47

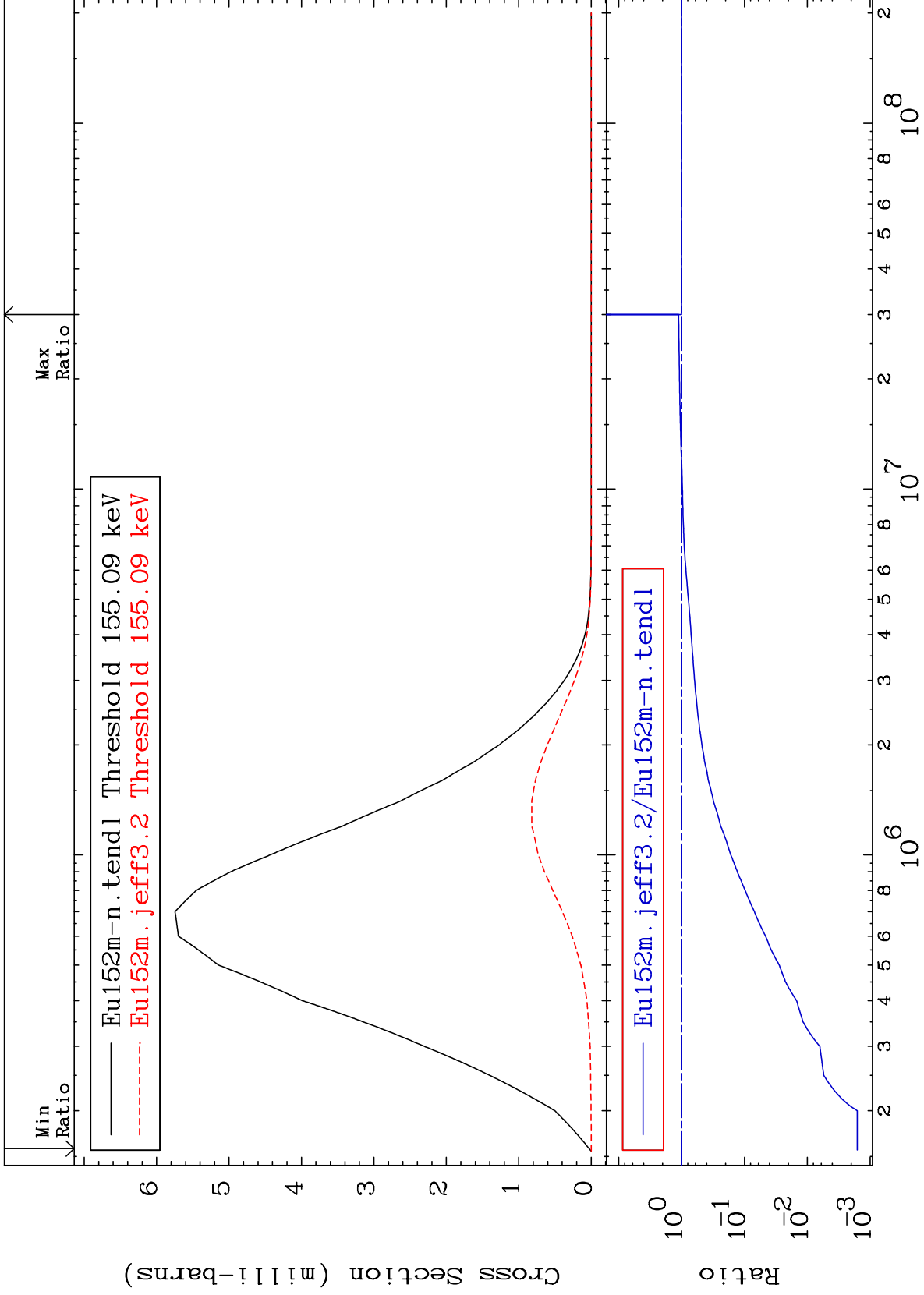
Incident Energy (eV)

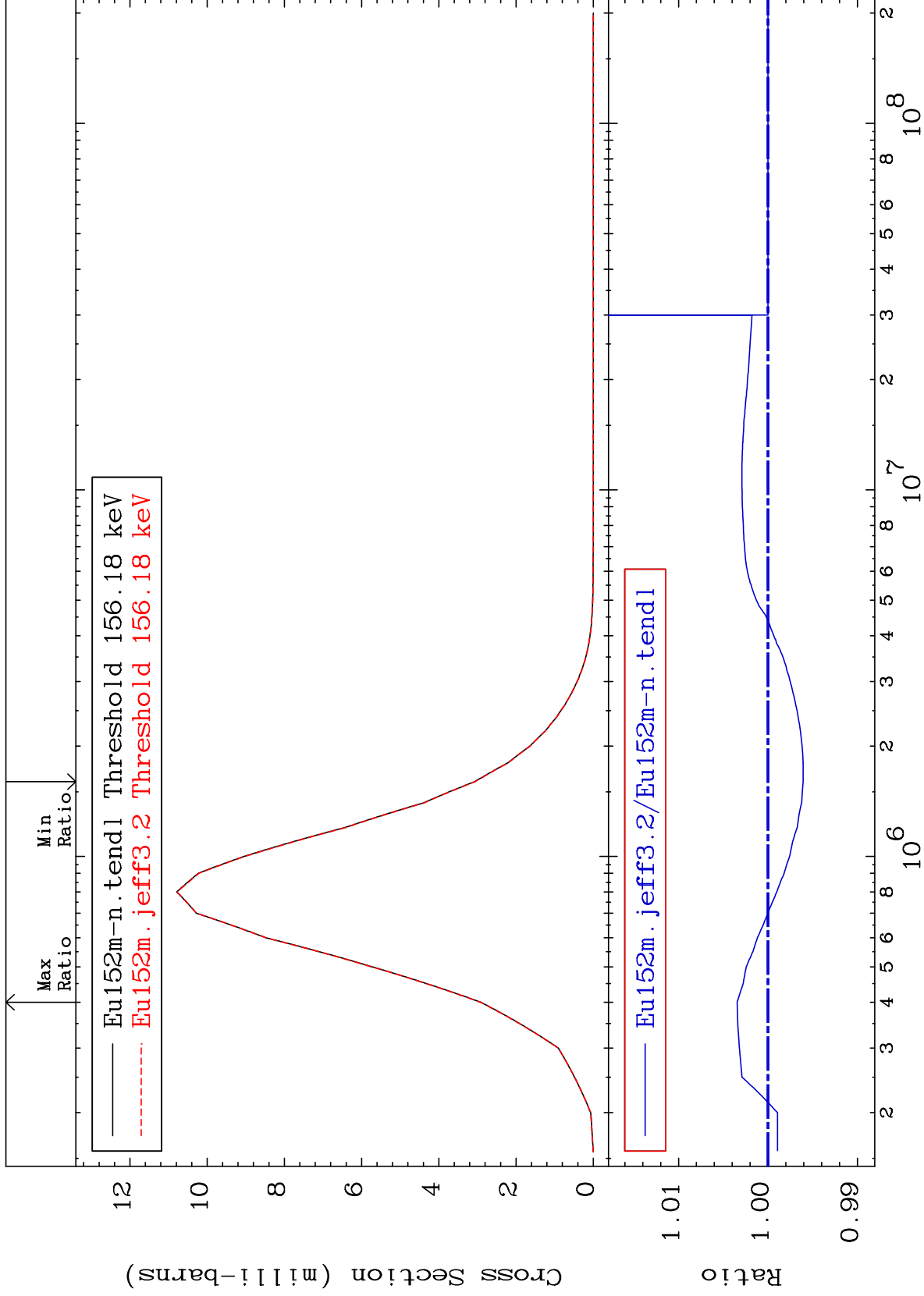
63-Eu-152

MAT 6329

199.7 keV (n,n') Level
Cross Section

63-Eu-152
-99.84 To 11.41 %

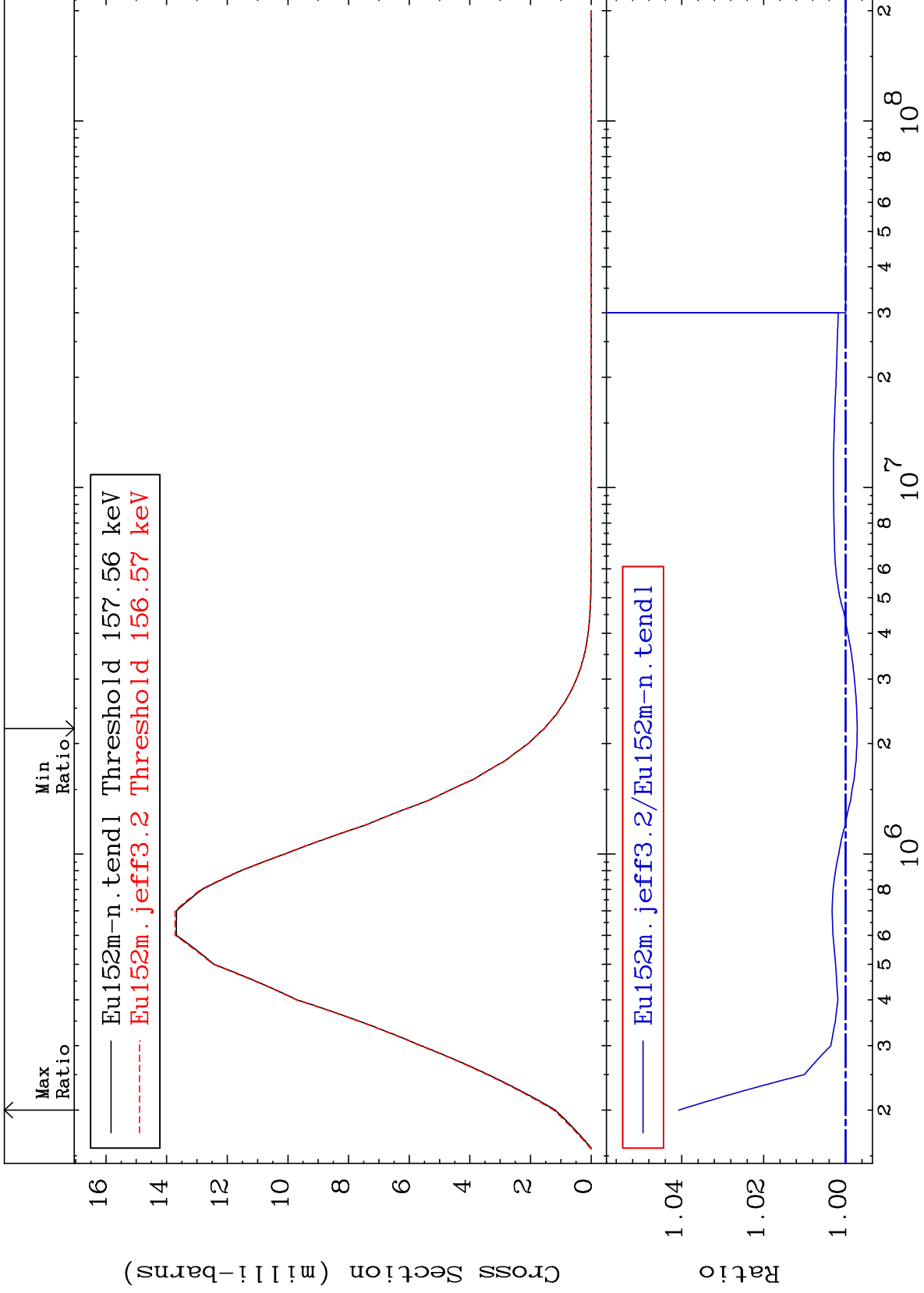


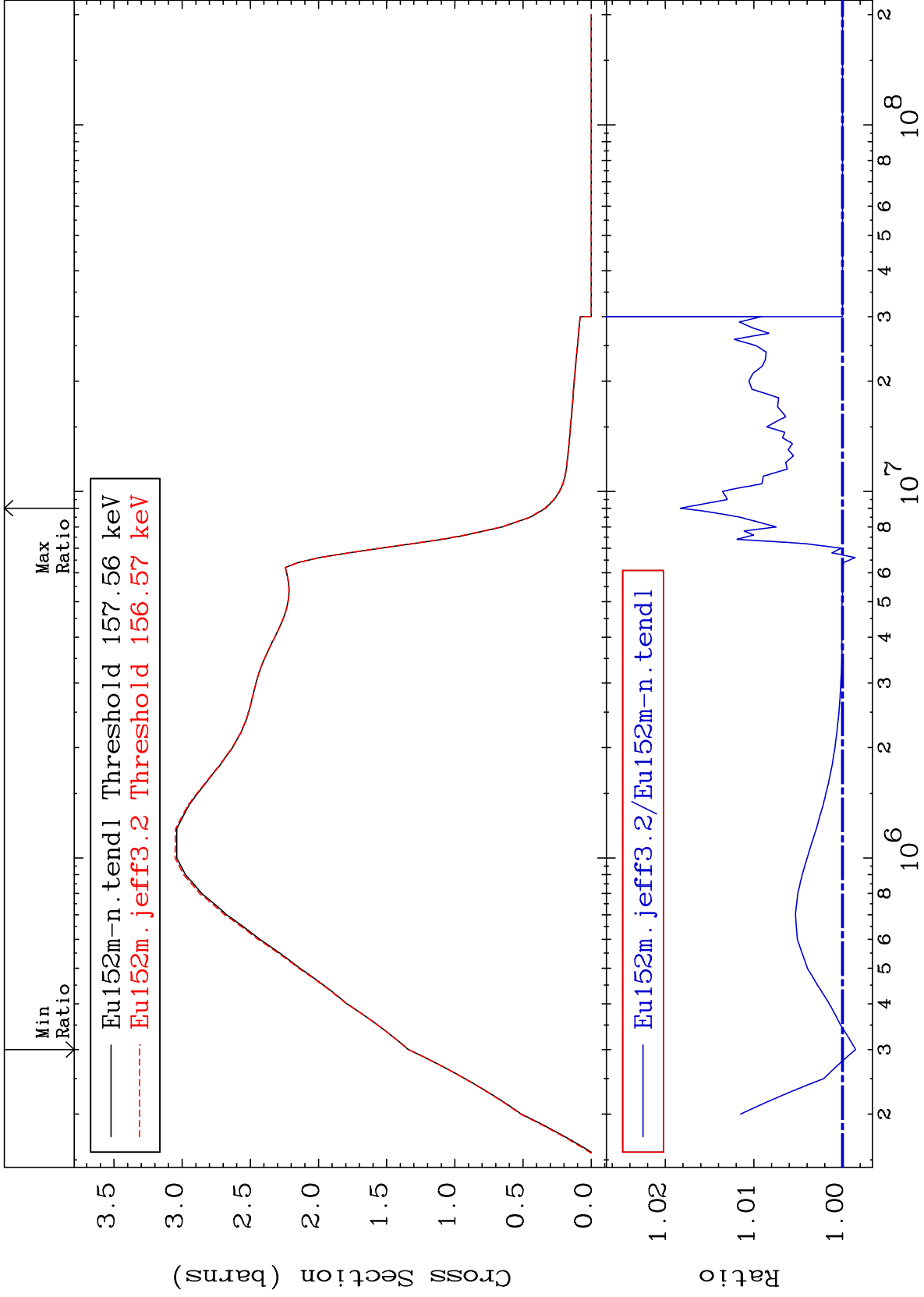


MAT 6329

202.1 keV (n,n') Level
Cross Section

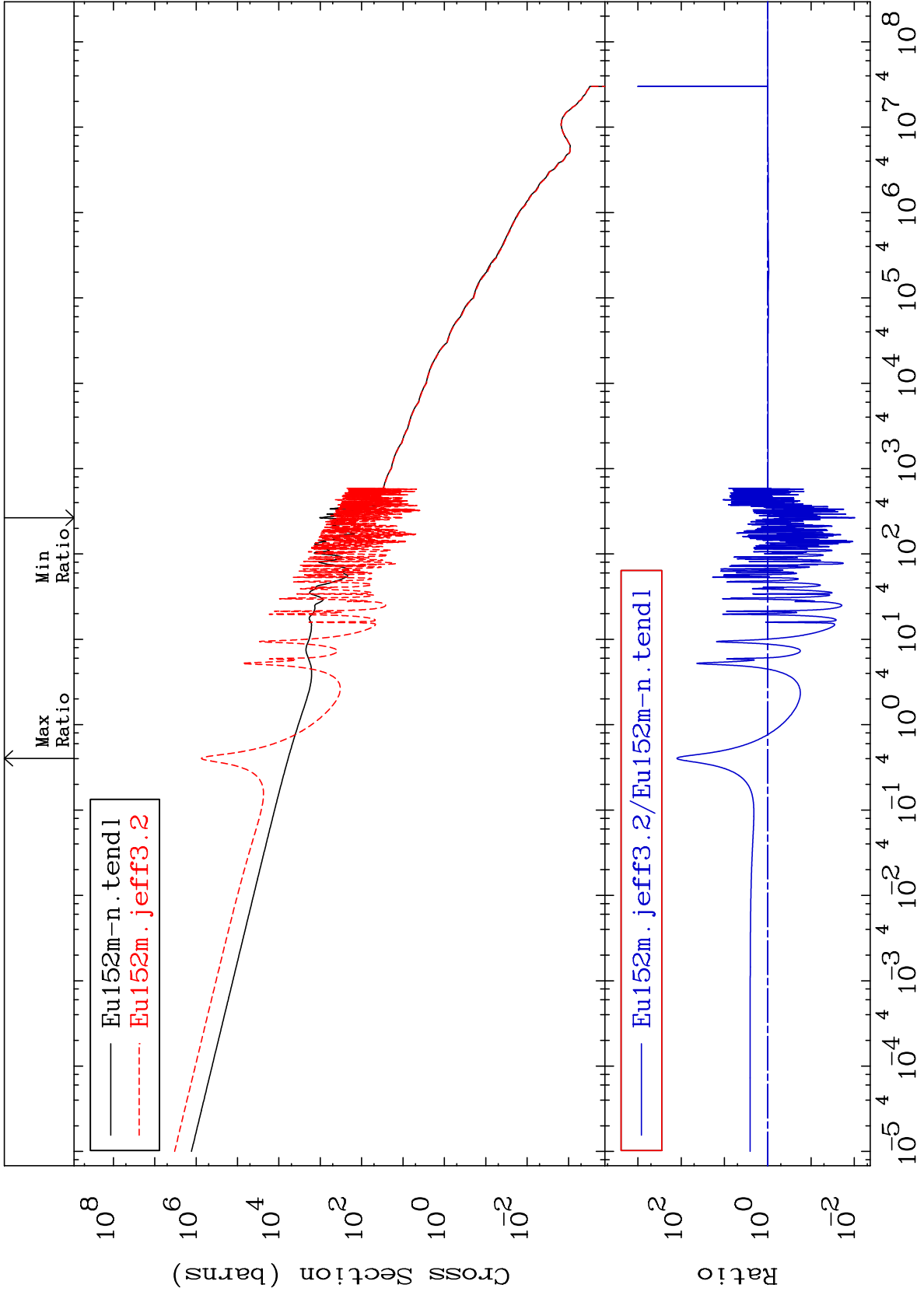
63-Eu-152
-0.285 To 4.075 %





MAT 6329

(n, γ)
Cross Section
63-Eu-152
-99.04 To 9999. %



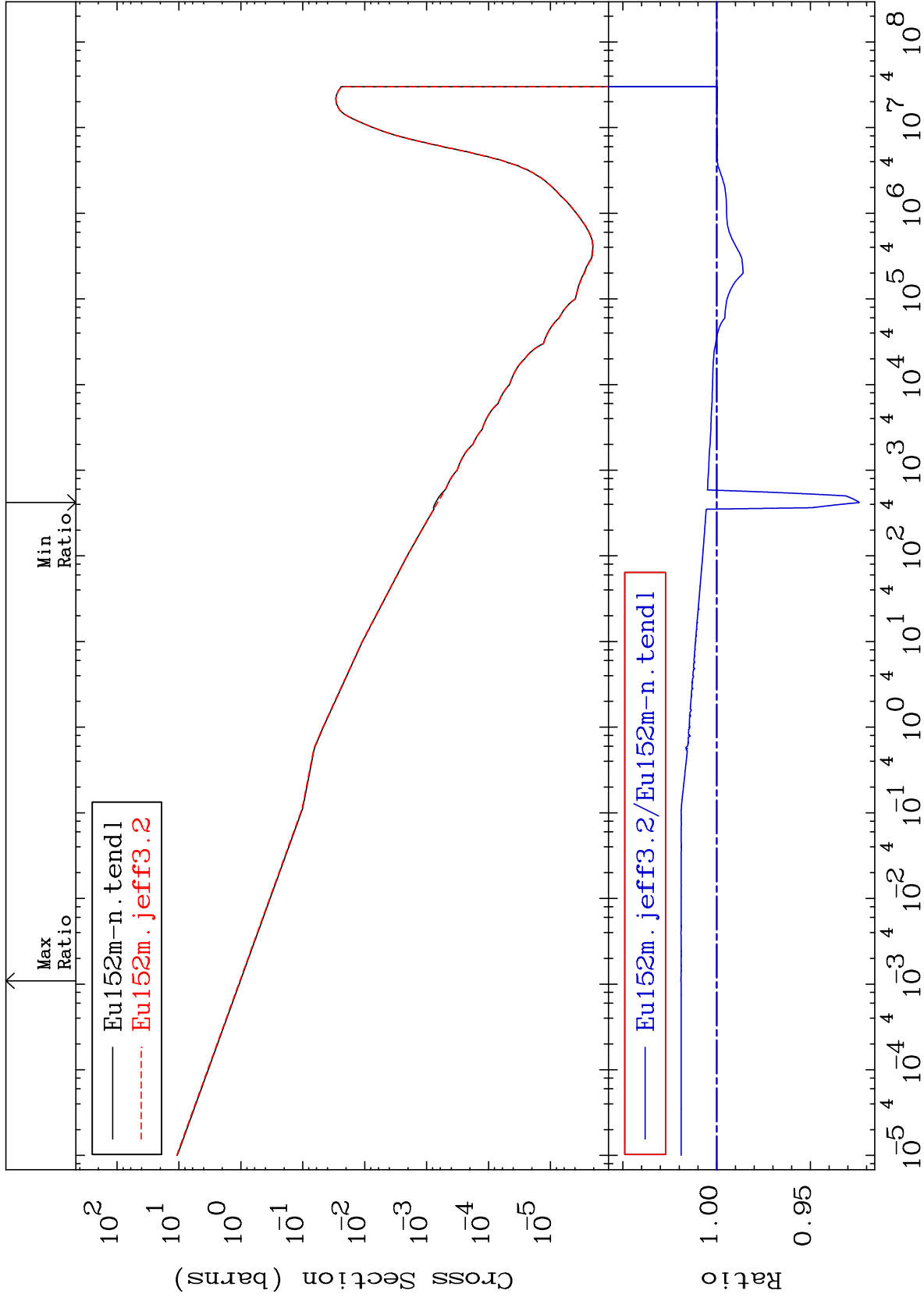
MAT 6329

(n, p)

63-Eu-152

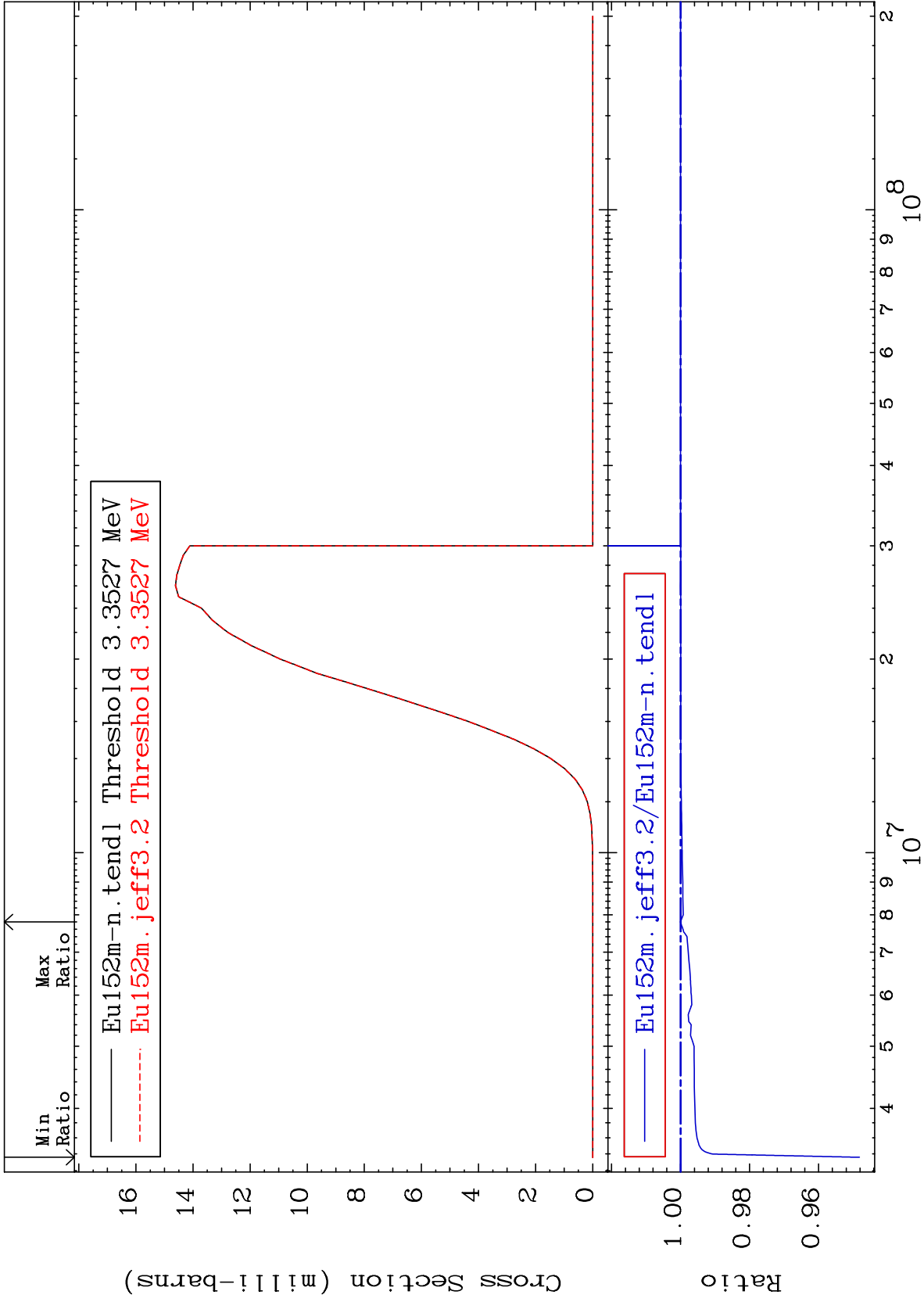
Cross Section

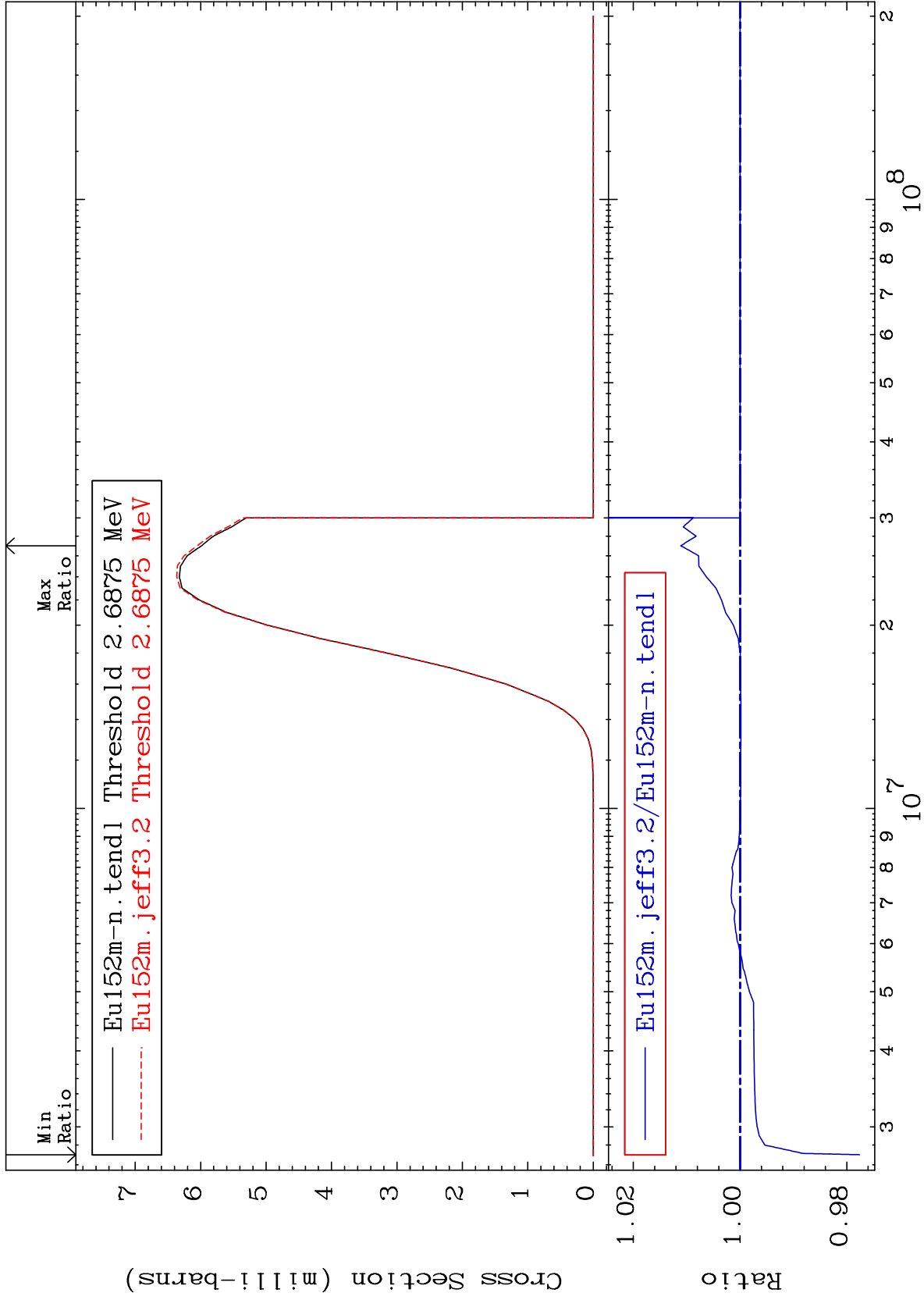
-7.622 To 1.914 %



Cross Section

-5.184 To 0.007 %





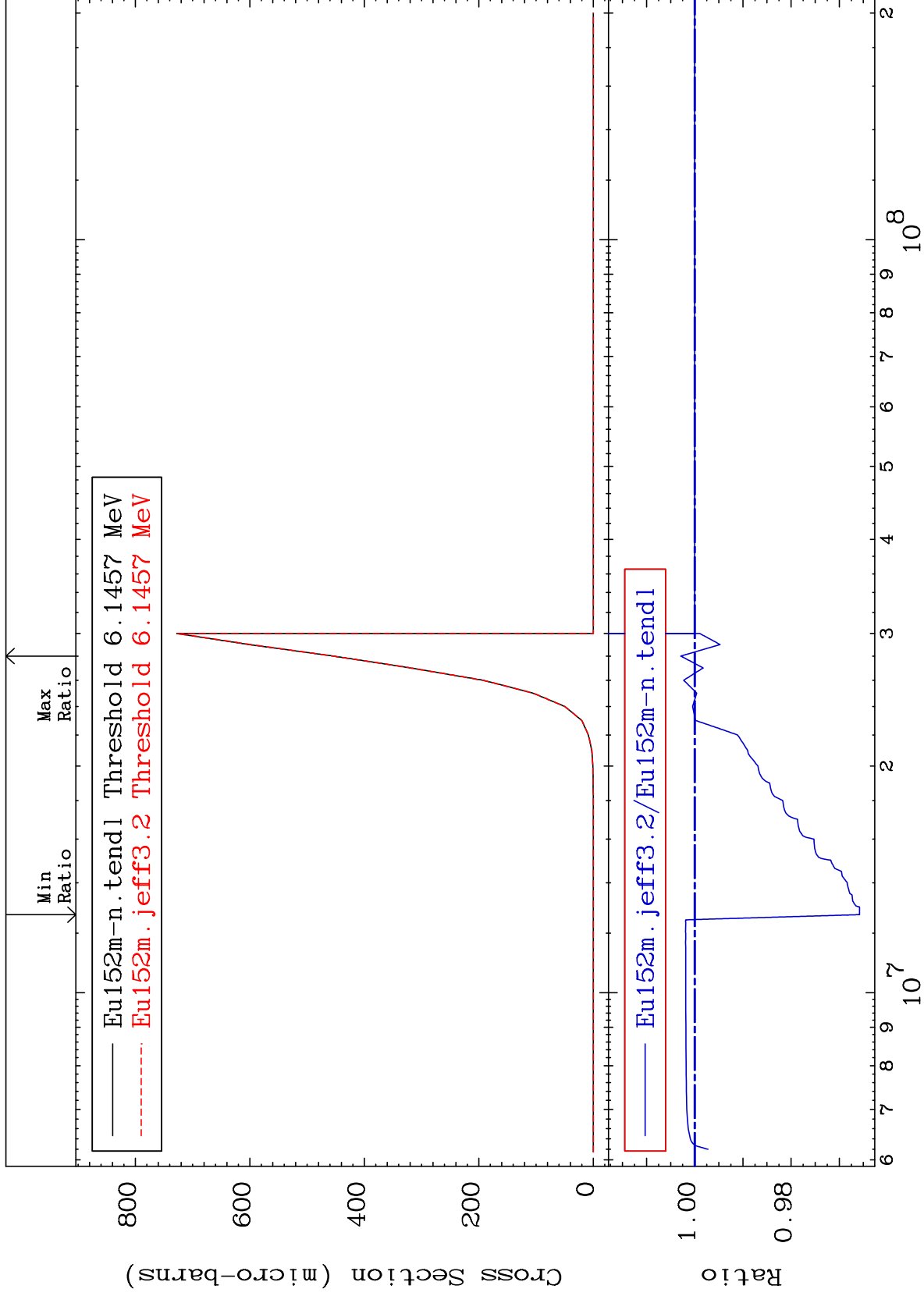
MAT 6329

(n, He-3)

63-Eu-152

Cross Section

-3.421 To 0.290 %



56

Incident Energy (eV)

63-Eu-152

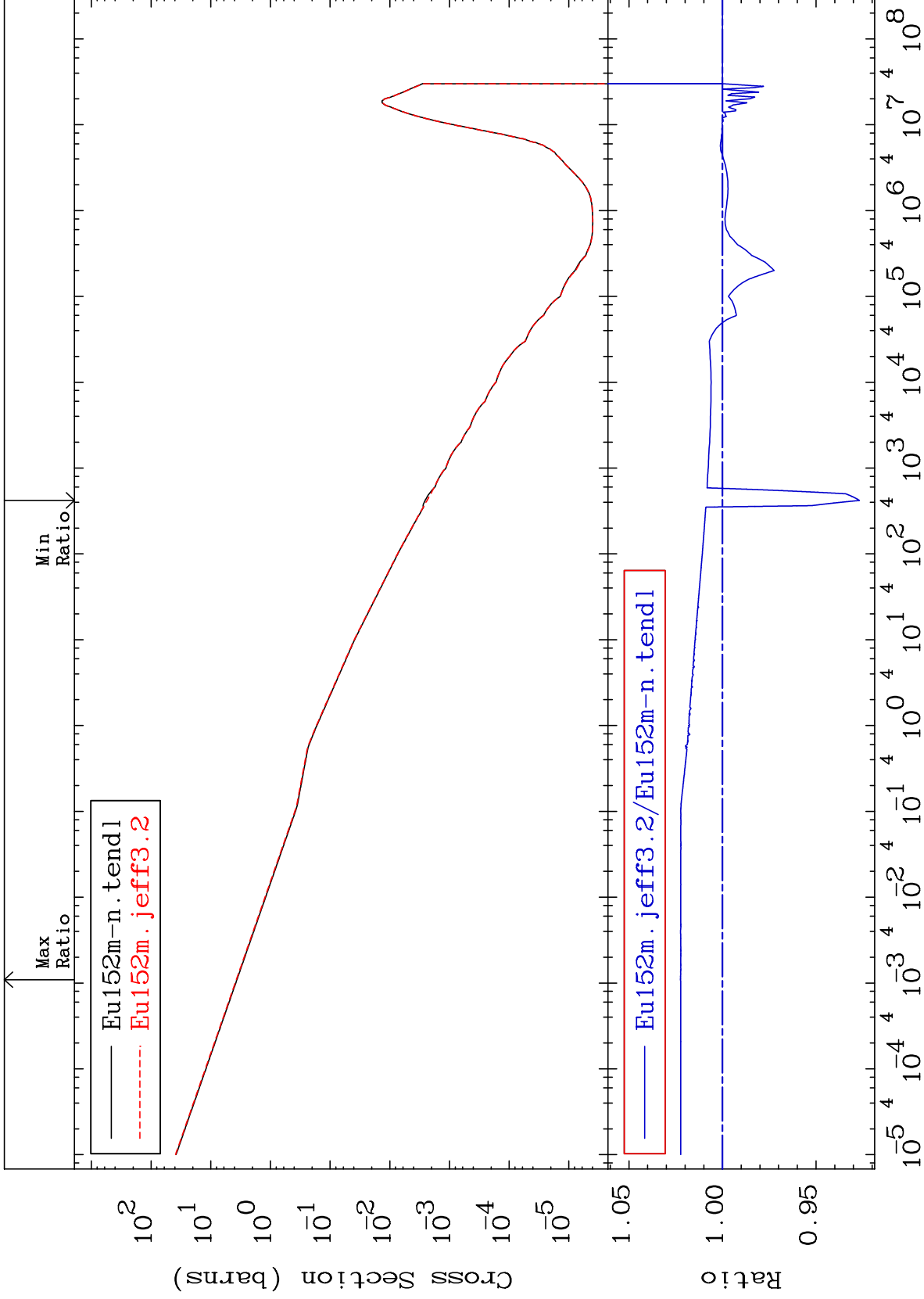
MAT 6329

(n, α)

63-Eu-152

Cross Section

-7.320 To 2.253 %



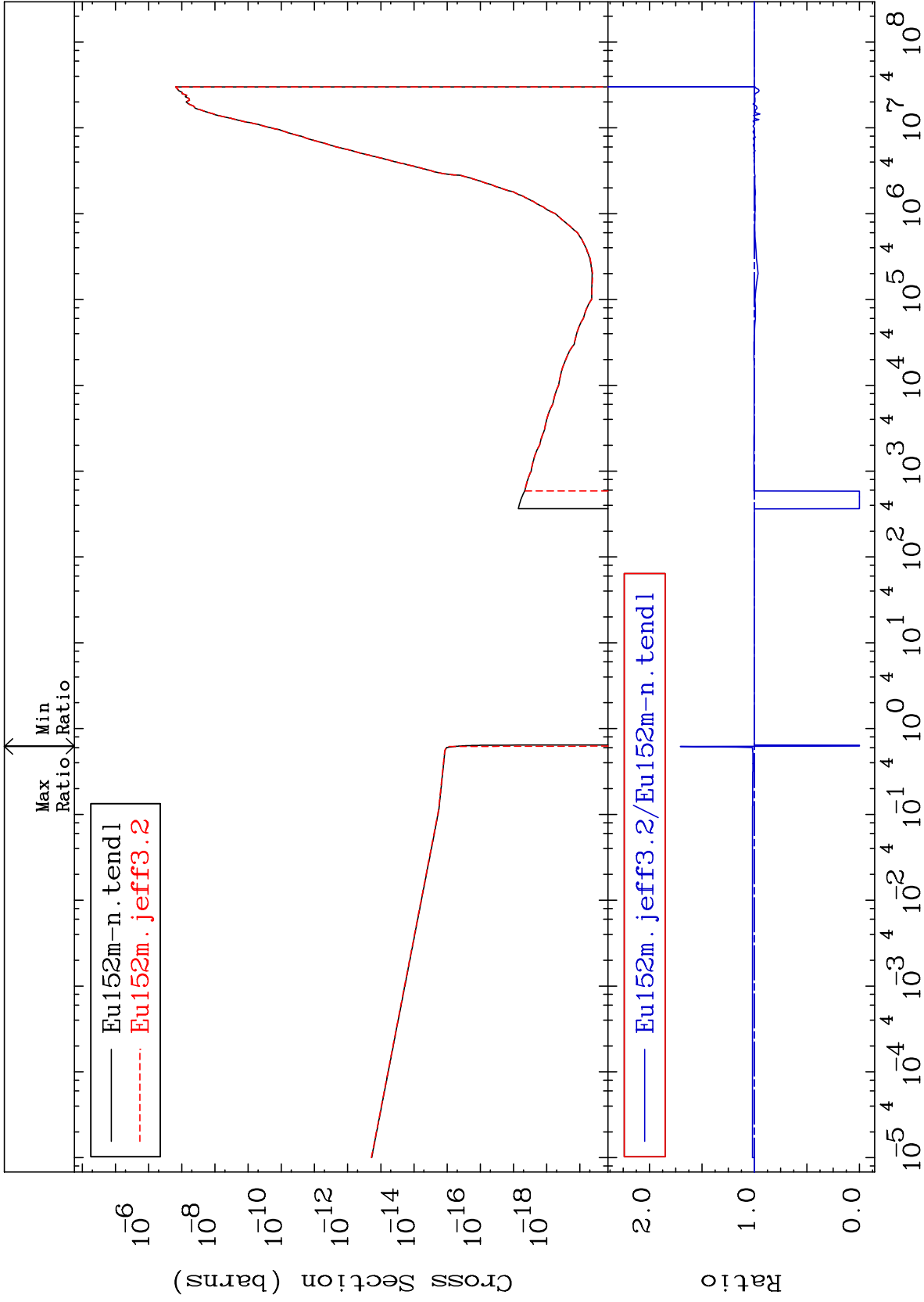
MAT 6329

(n,2α)

63-Eu-152

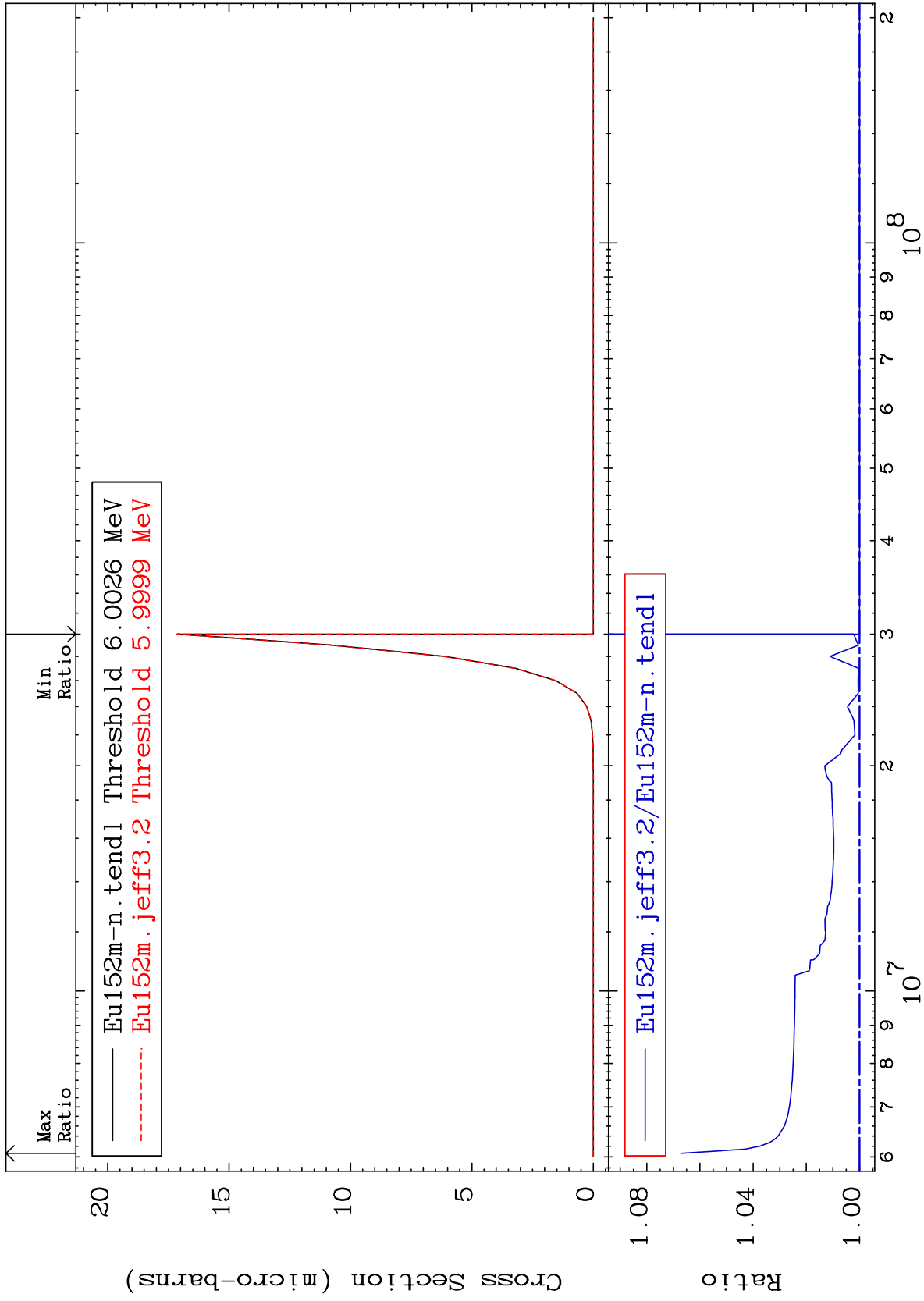
Cross Section

-100.0 To 70.54 %



MAT 6329

(n,2p) Cross Section
63-Eu-152
0.000 To 6.721 %



59

63-Eu-152

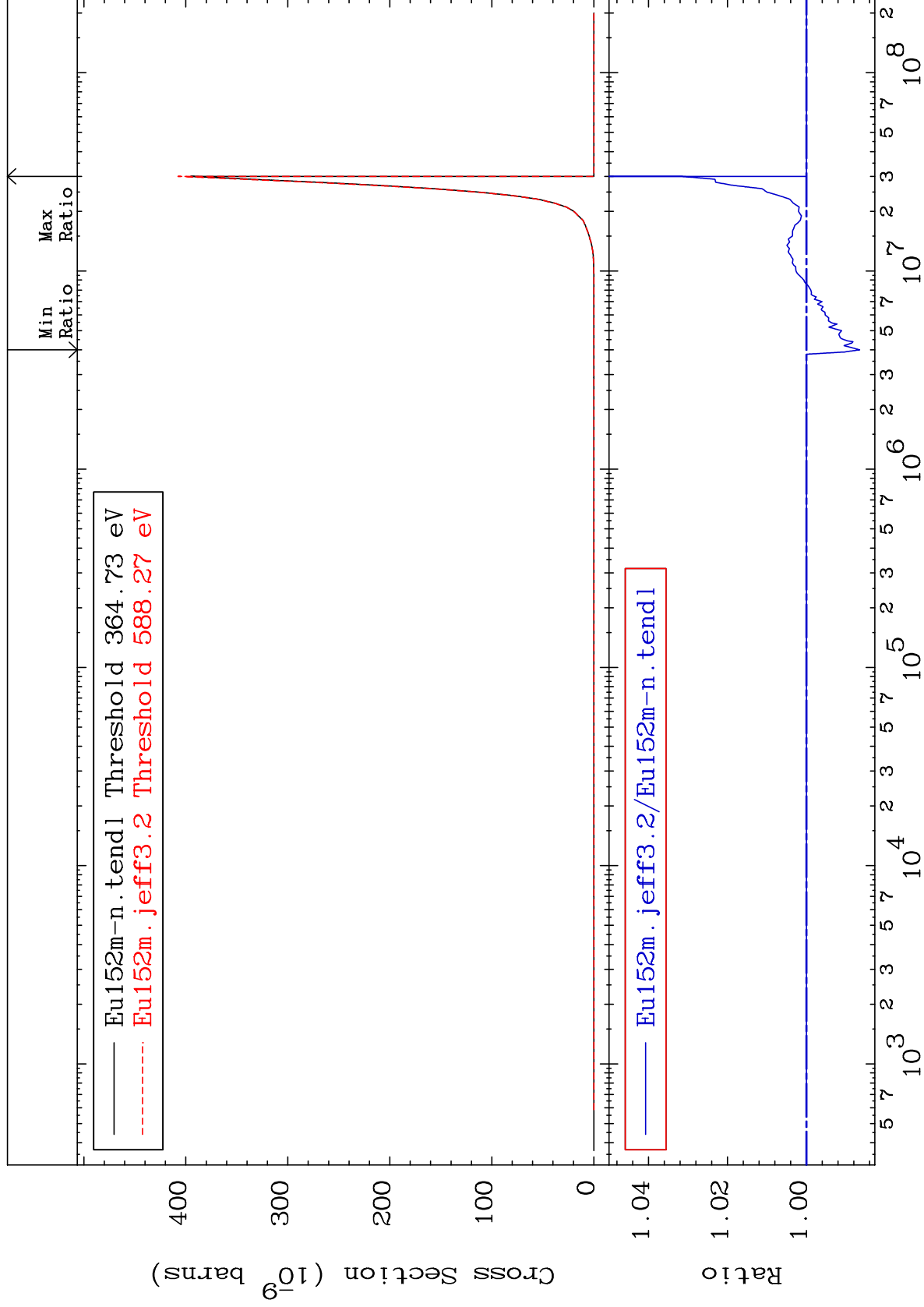
MAT 6329

(n, p) α

Cross Section

63-Eu-152

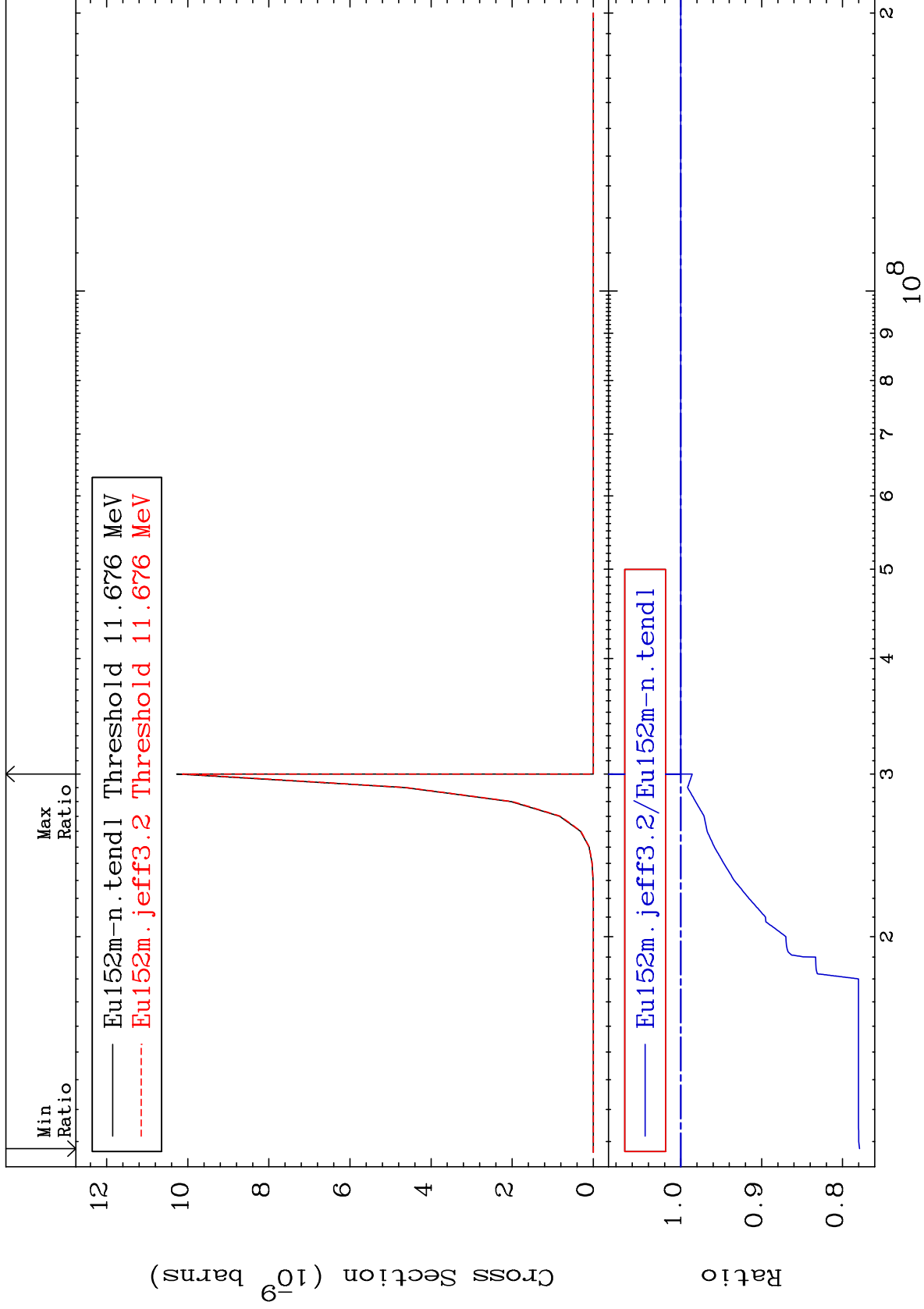
-1.345 To 3.174 %



60

Incident Energy (eV)

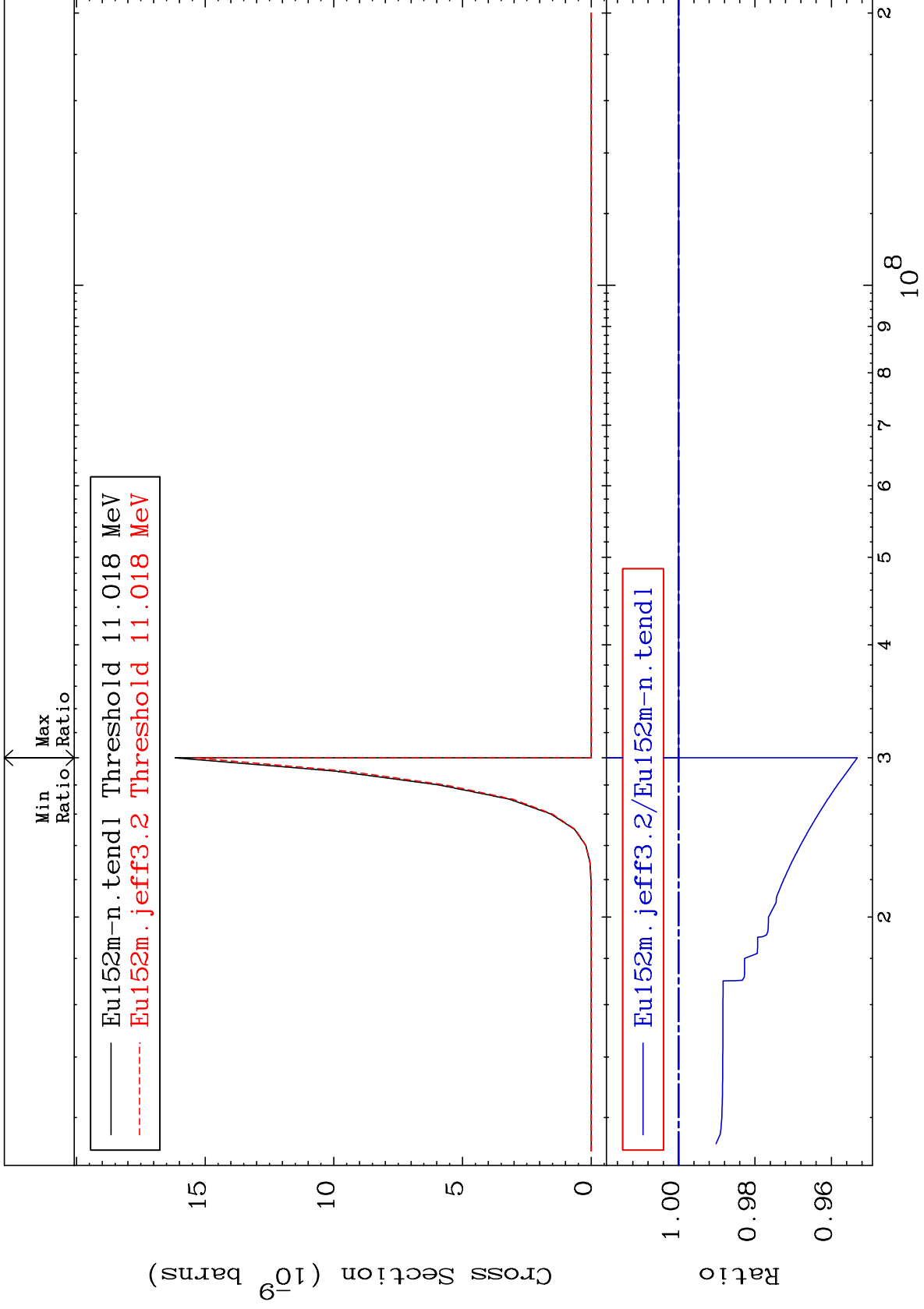
63-Eu-152



MAT 6329

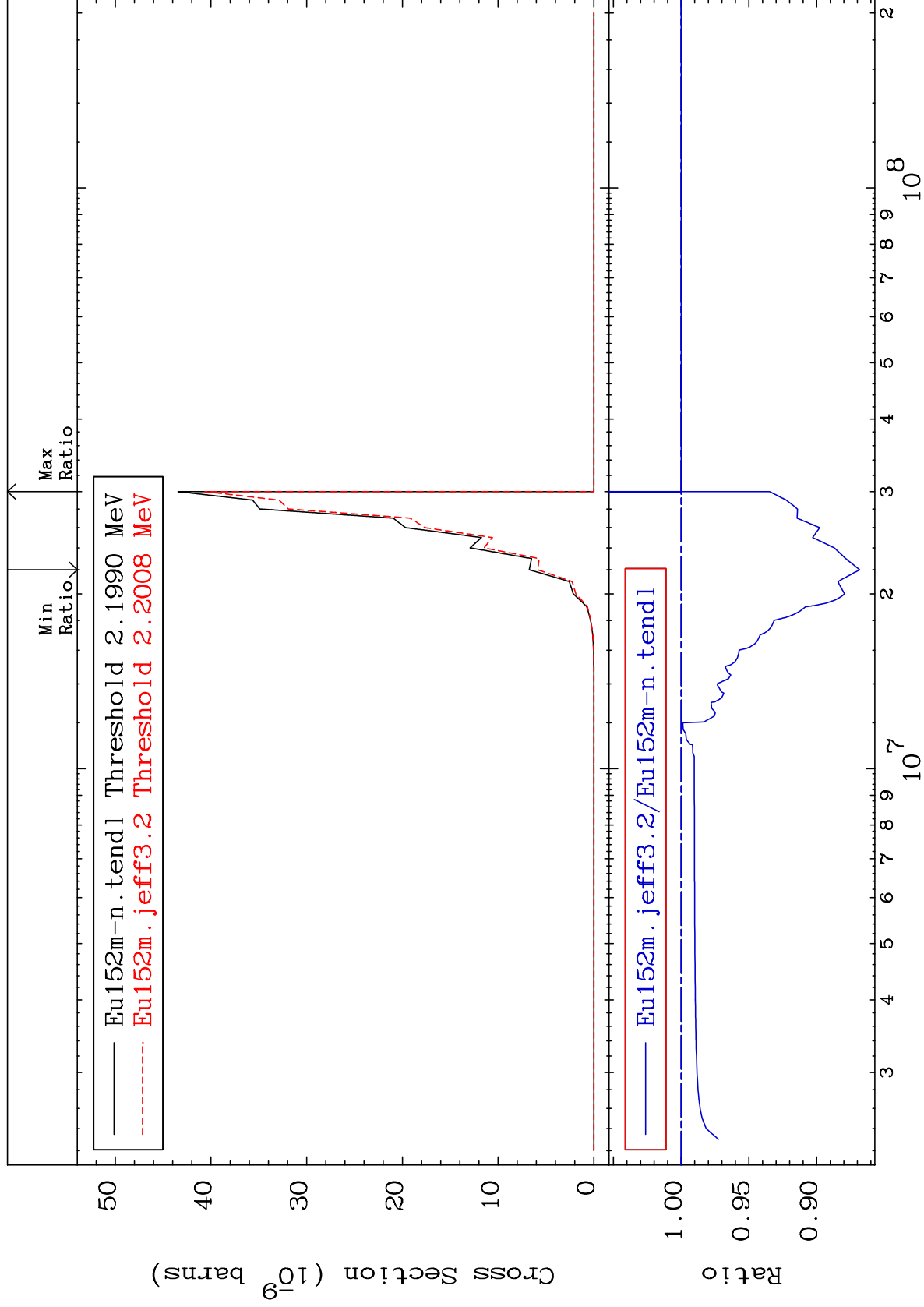
(n,p) t
Cross Section

63-Eu-152
-4.677 To 0.000 %



MAT 6329

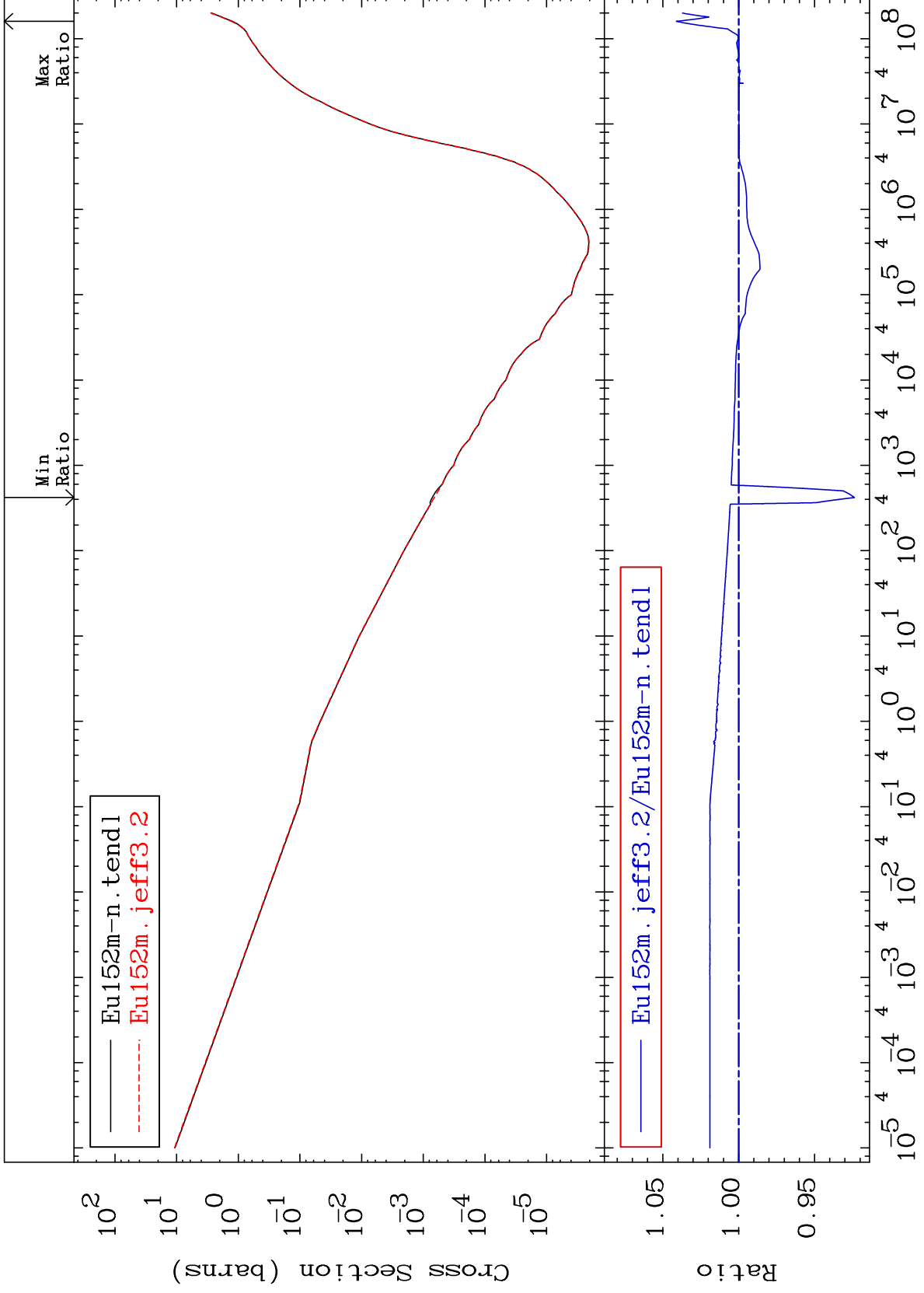
(n, d) α Cross Section
63-Eu-152
-13.17 To 0.000 %



MAT 6329

Hydrogen Production
Cross Section

63-Eu-152
-7.622 To 4.104 %



64

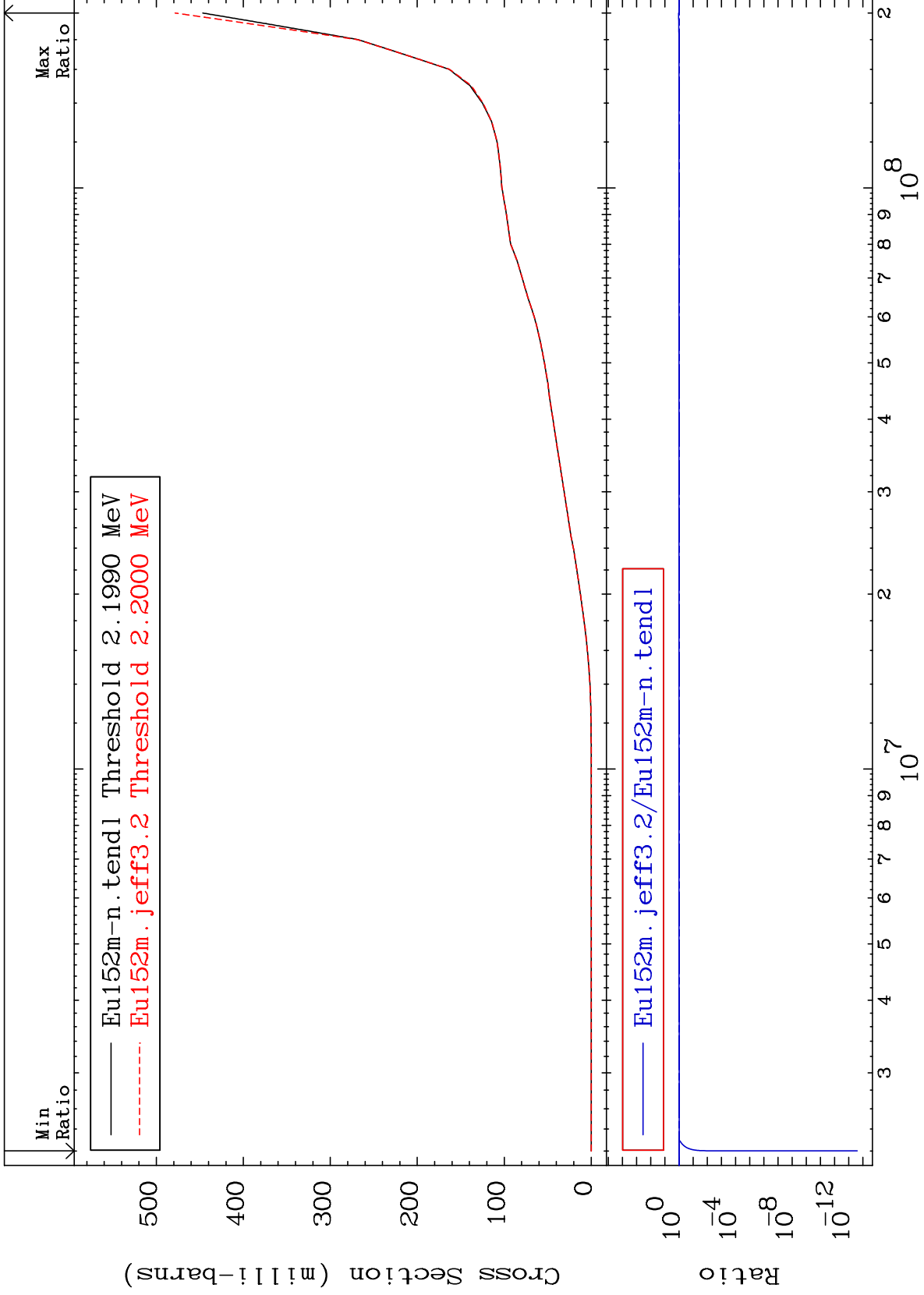
Incident Energy (eV)

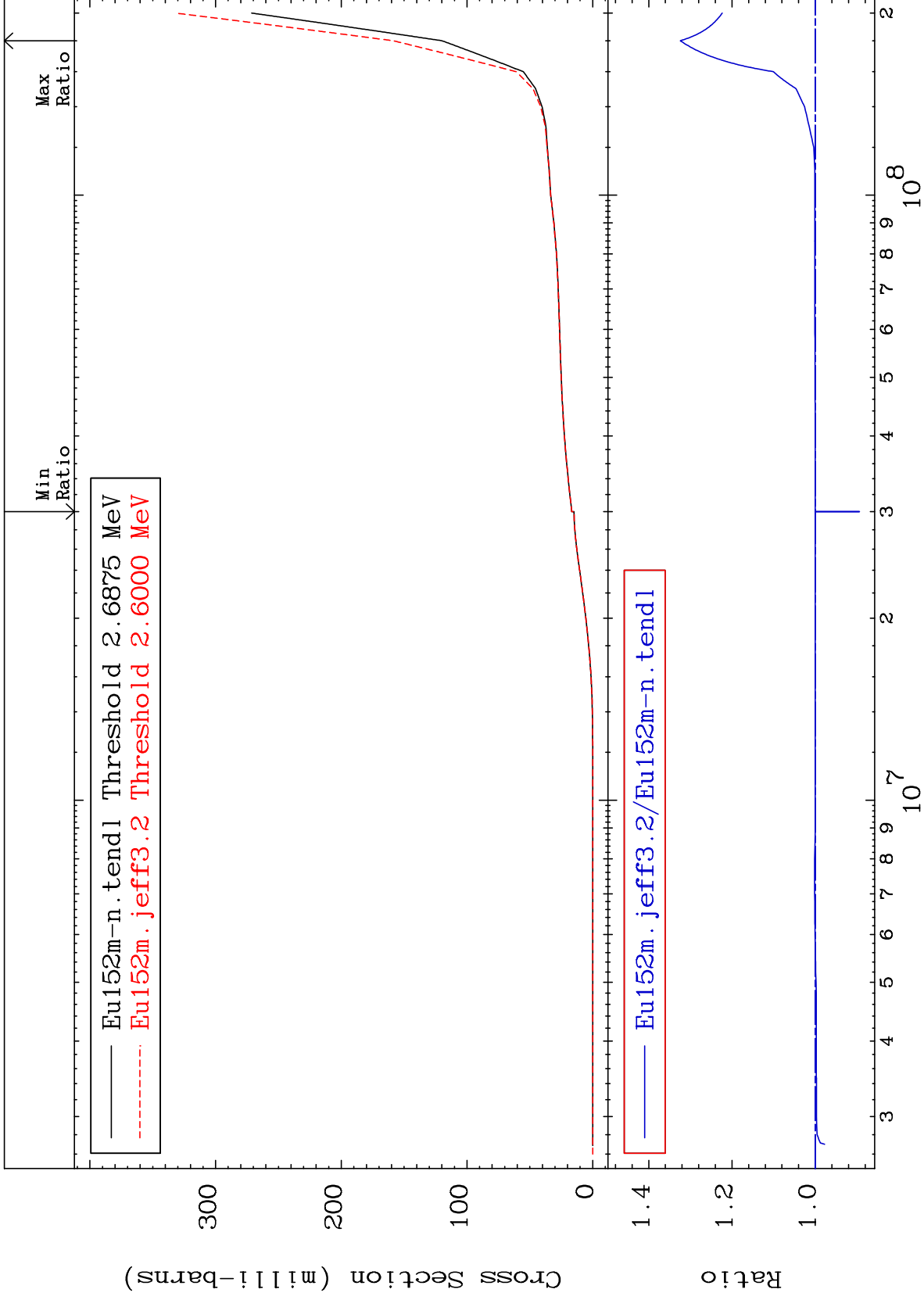
63-Eu-152

MAT 6329

Deuterium Production
Cross Section

63-Eu-152
-100.0 To 7.144 %

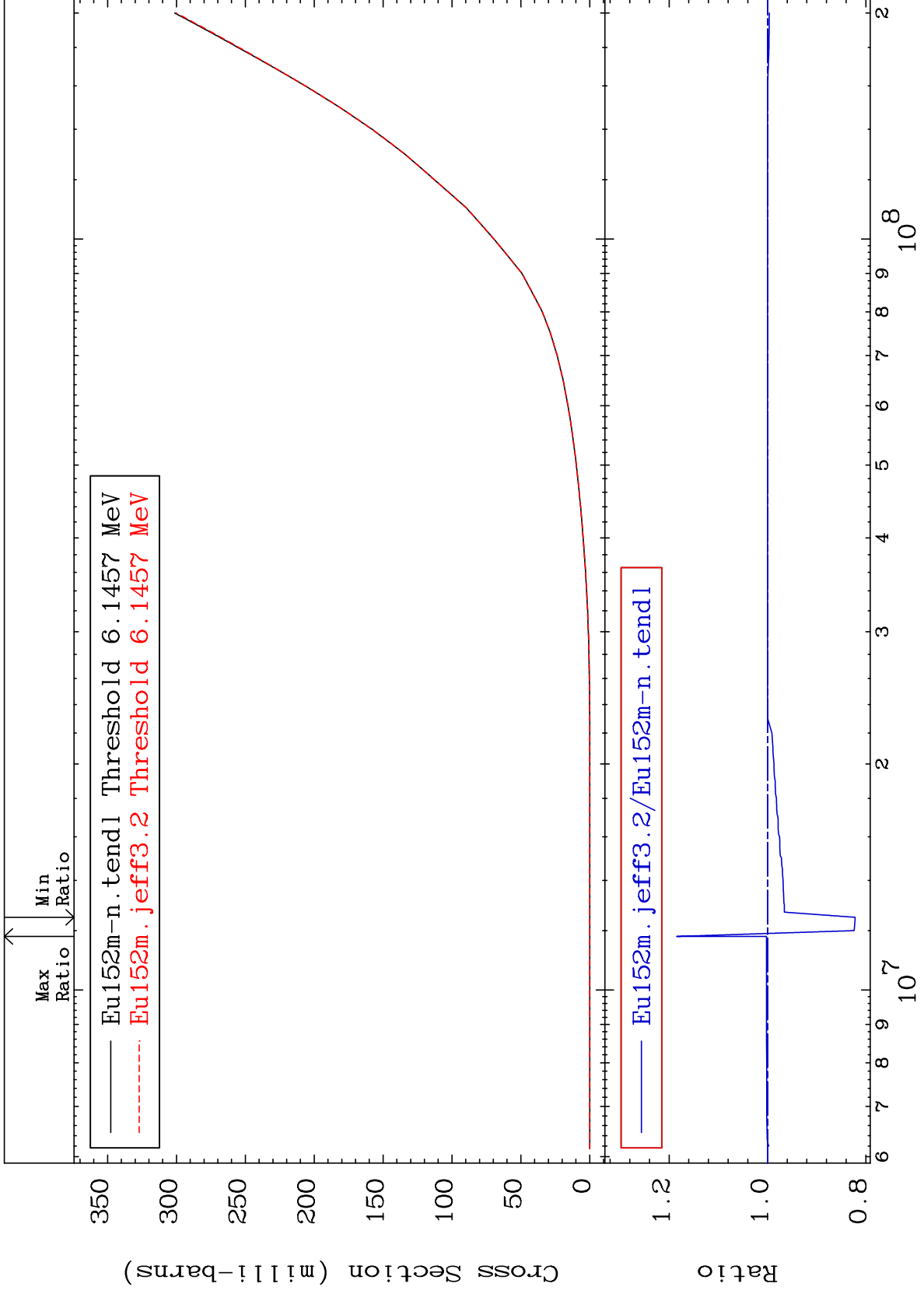




MAT 6329

He-3 Production
Cross Section

63-Eu-152
-17.81 To 18.41 %



67

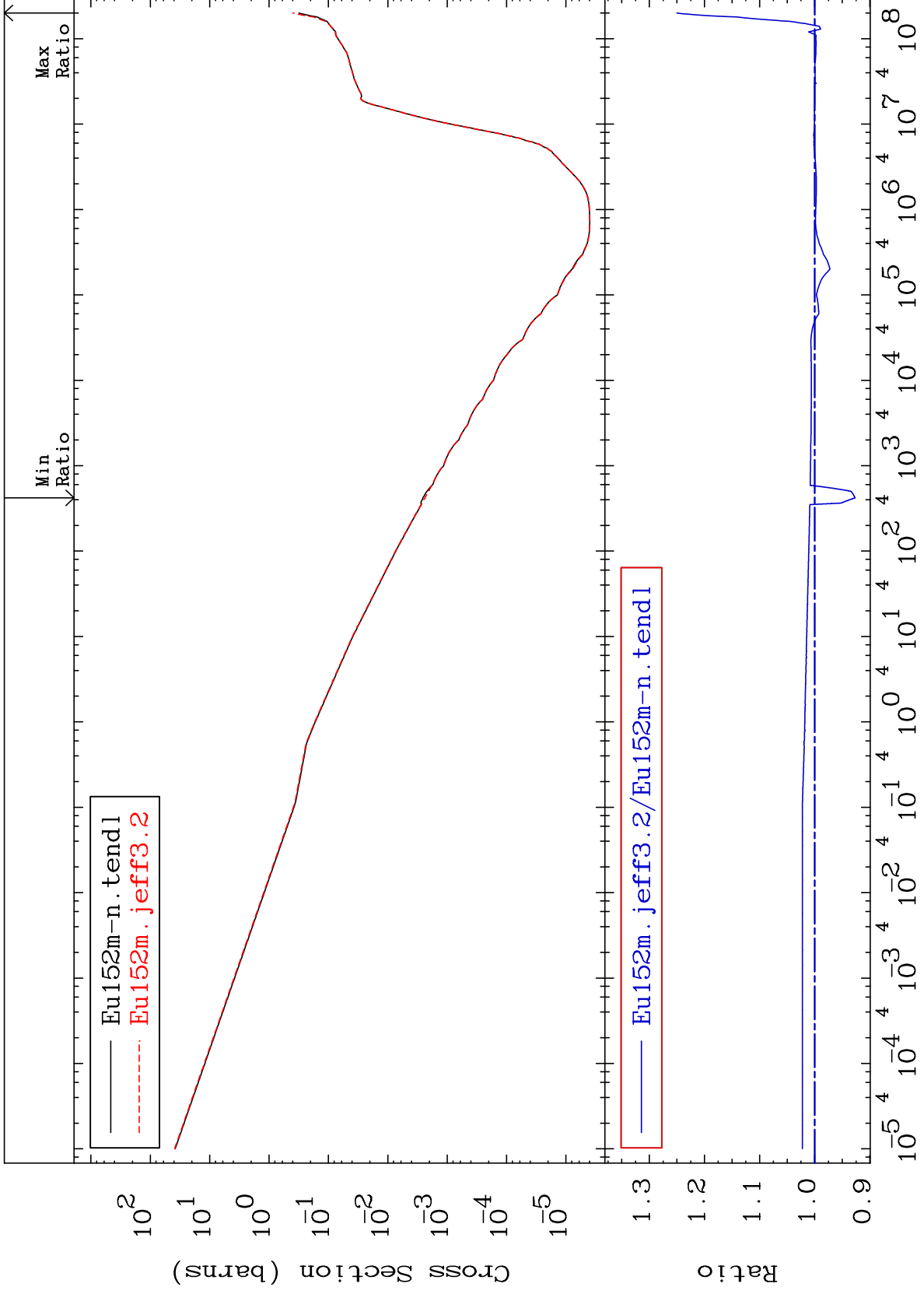
Incident Energy (eV)

63-Eu-152

MAT 6329

He-4 Production
Cross Section

63-Eu-152
-7.320 To 24.99 %



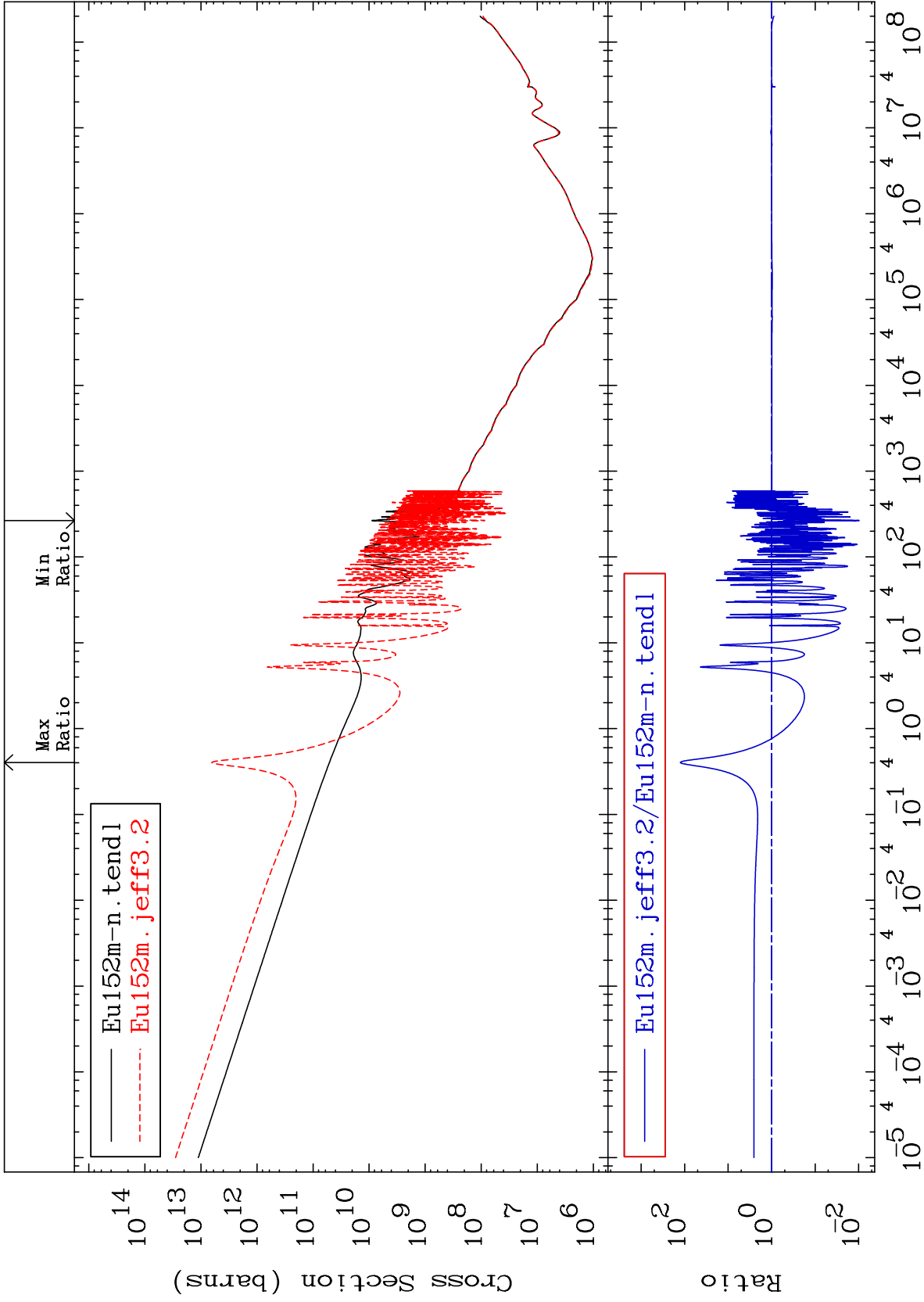
MAT 6329

Kerma total (eV-barns)

63-Eu-152

-99.04 To 9999. %

Cross Section



69

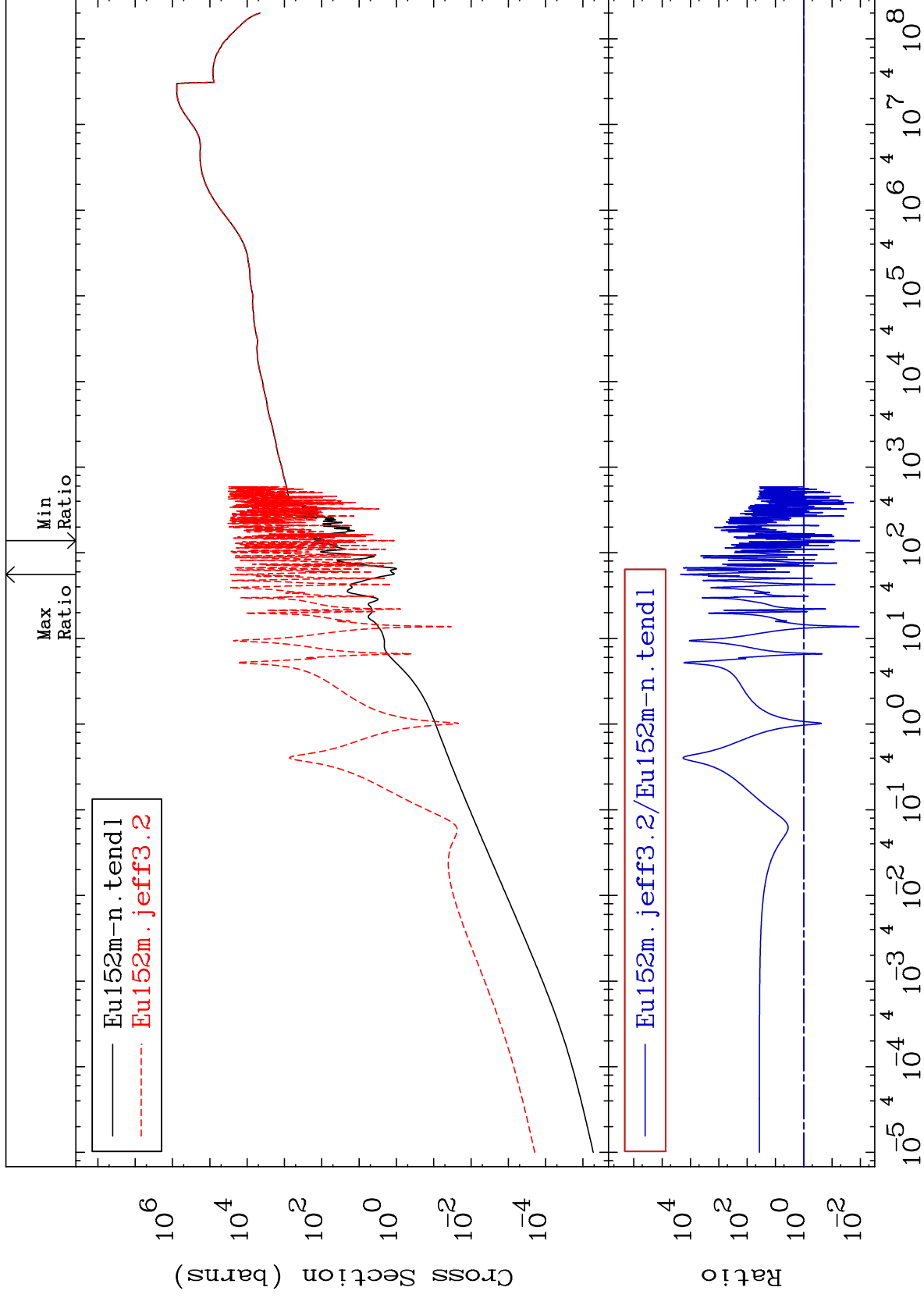
Incident Energy (eV)

63-Eu-152

MAT 6329

Kerma elastic
Cross Section

63-Eu-152
-98.93 To 9999. %



70

Incident Energy (eV)

63-Eu-152

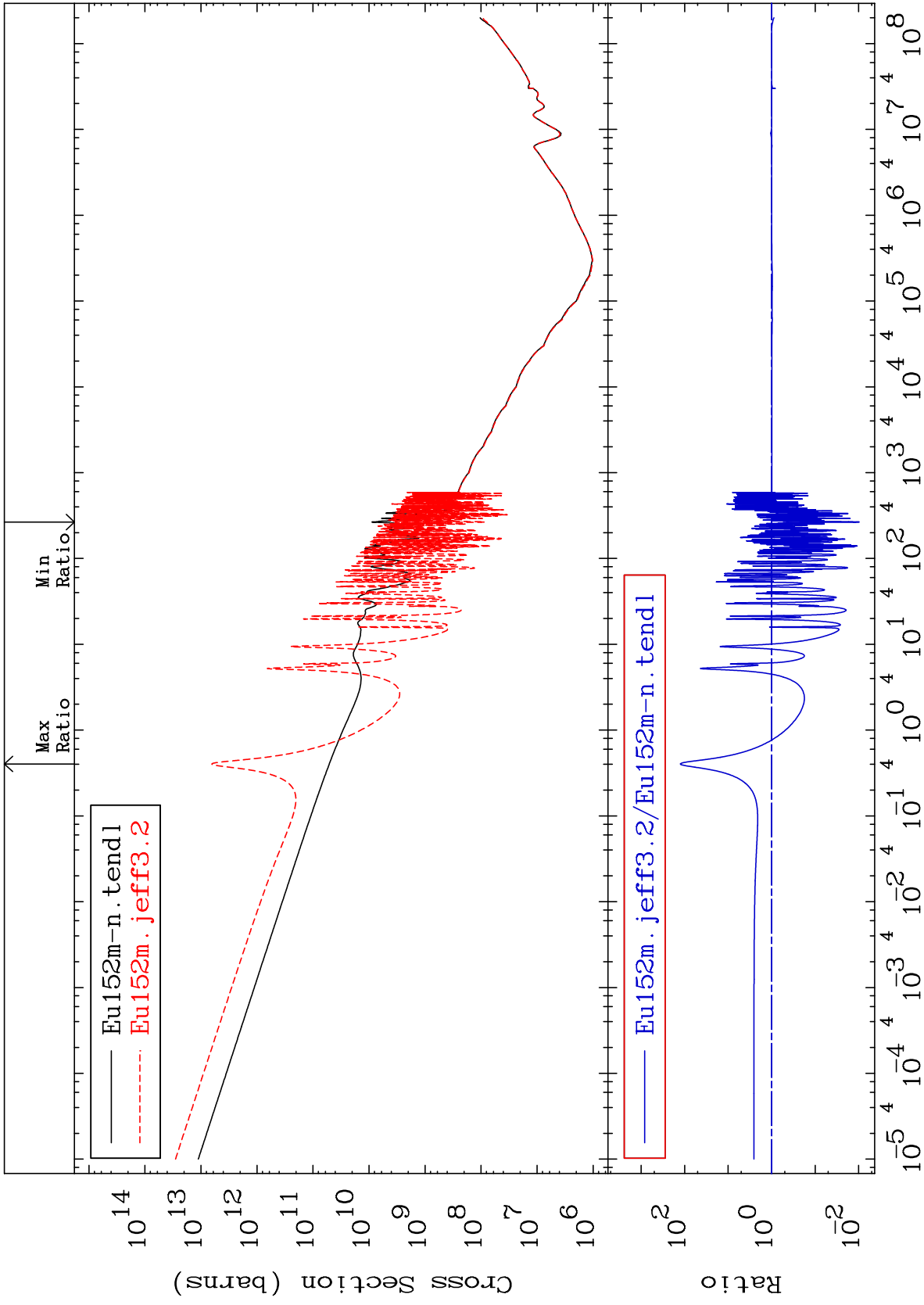
MAT 6329

Kerma non-elastic (all but mt2)

63-Eu-152

-99.04 To 9999. %

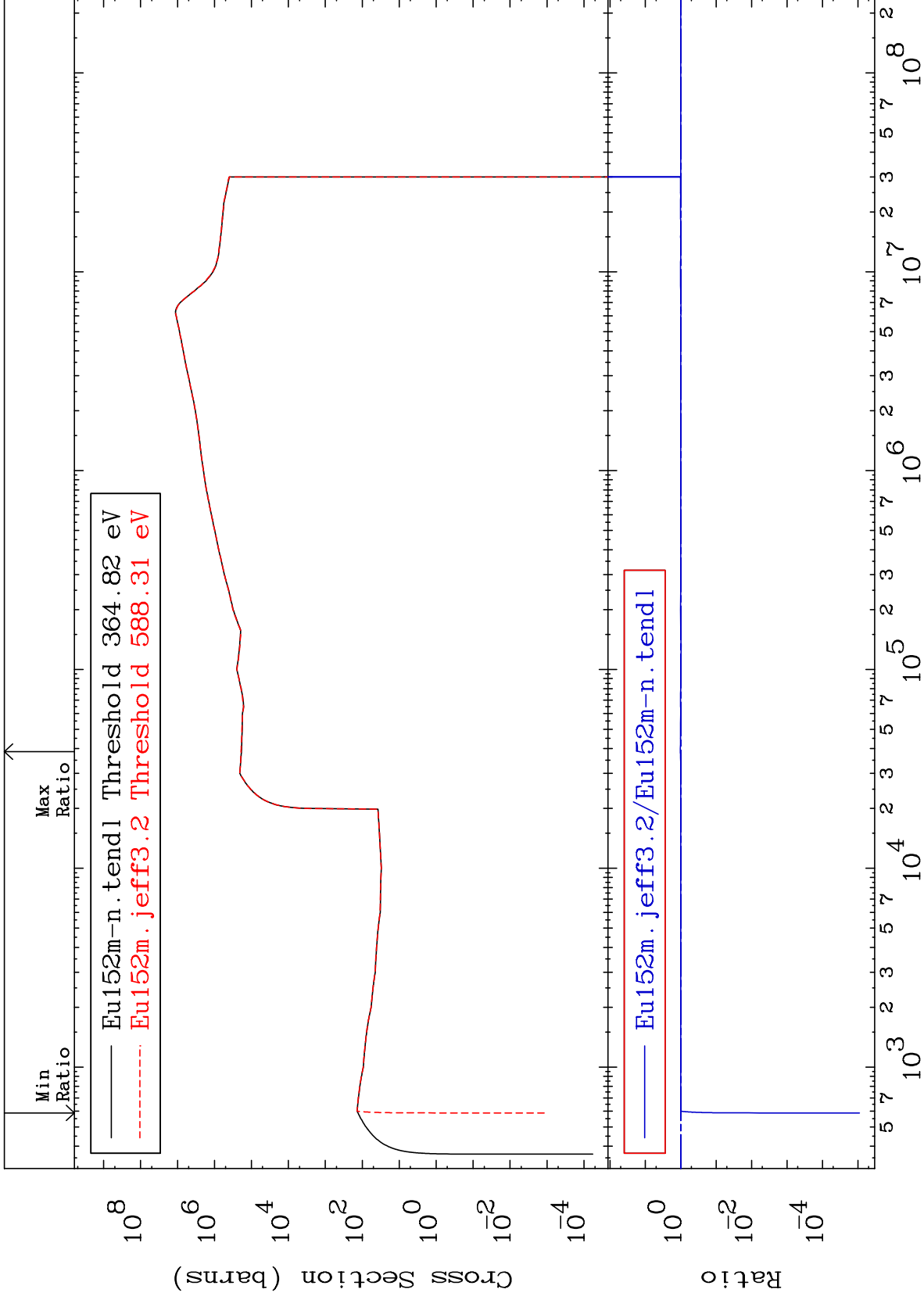
Cross Section

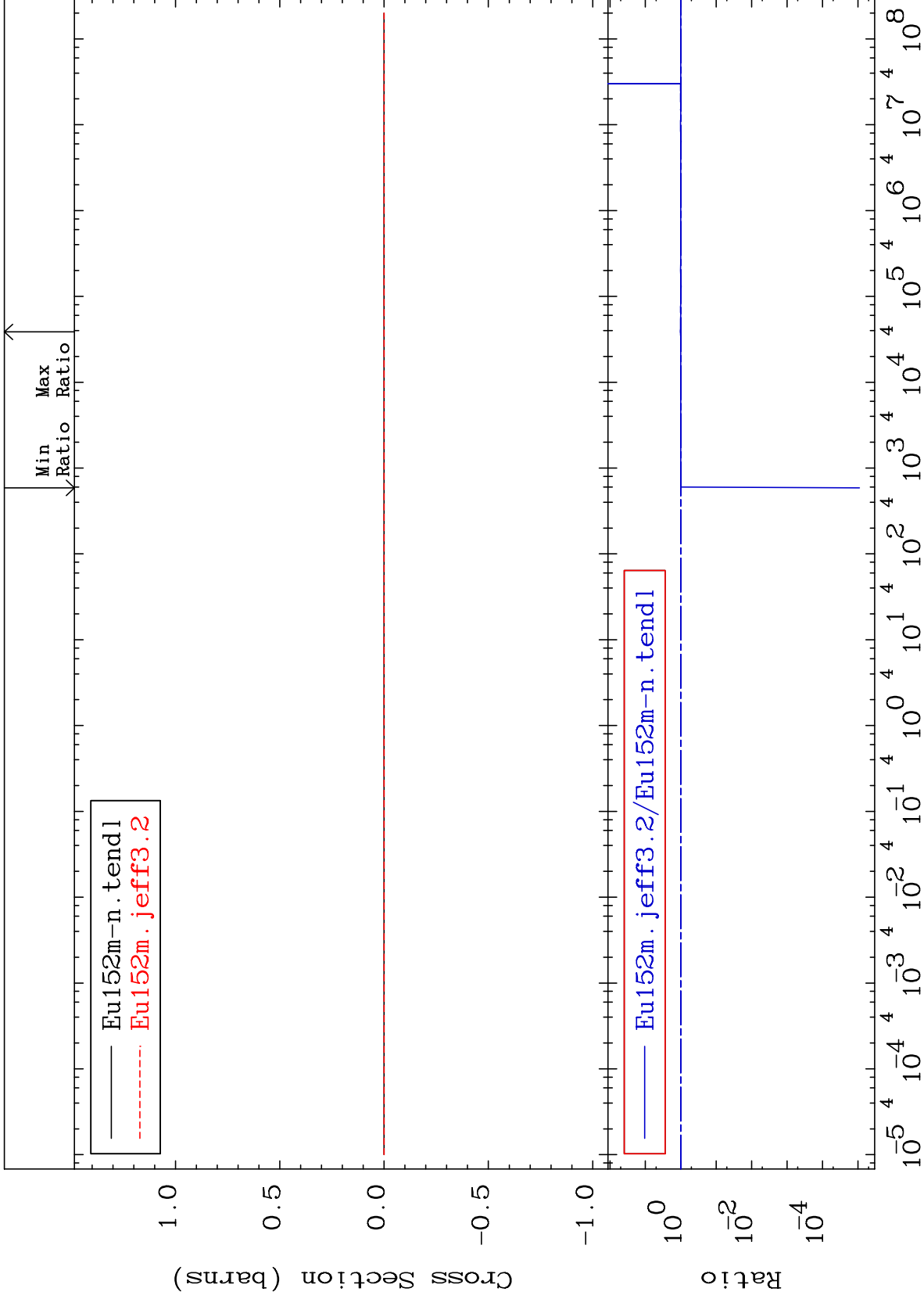


71

Incident Energy (eV)

63-Eu-152

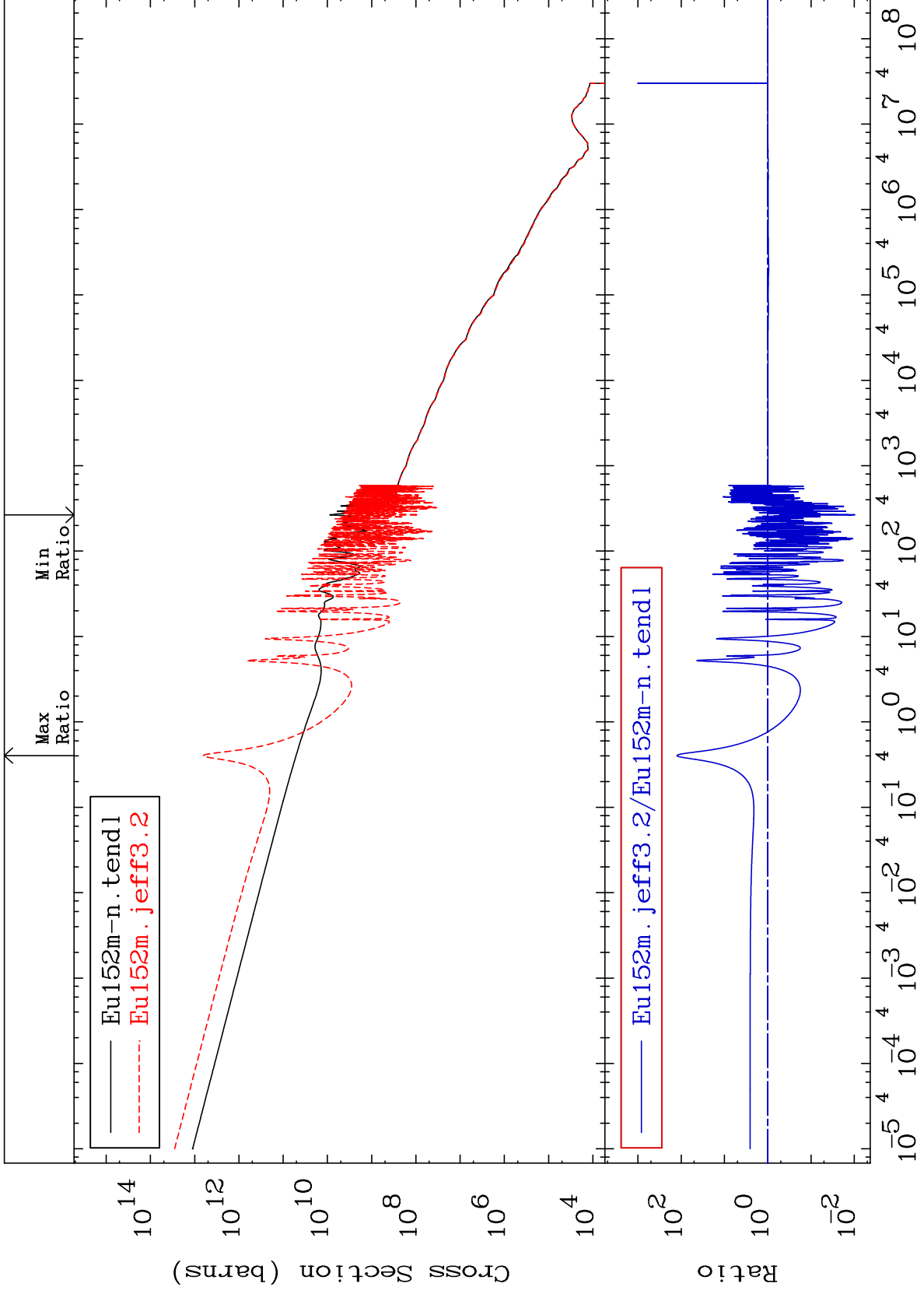




MAT 6329

Kerma capture (mt102)
Cross Section

63-Eu-152
-99.04 To 9999. %



74

Incident Energy (eV)

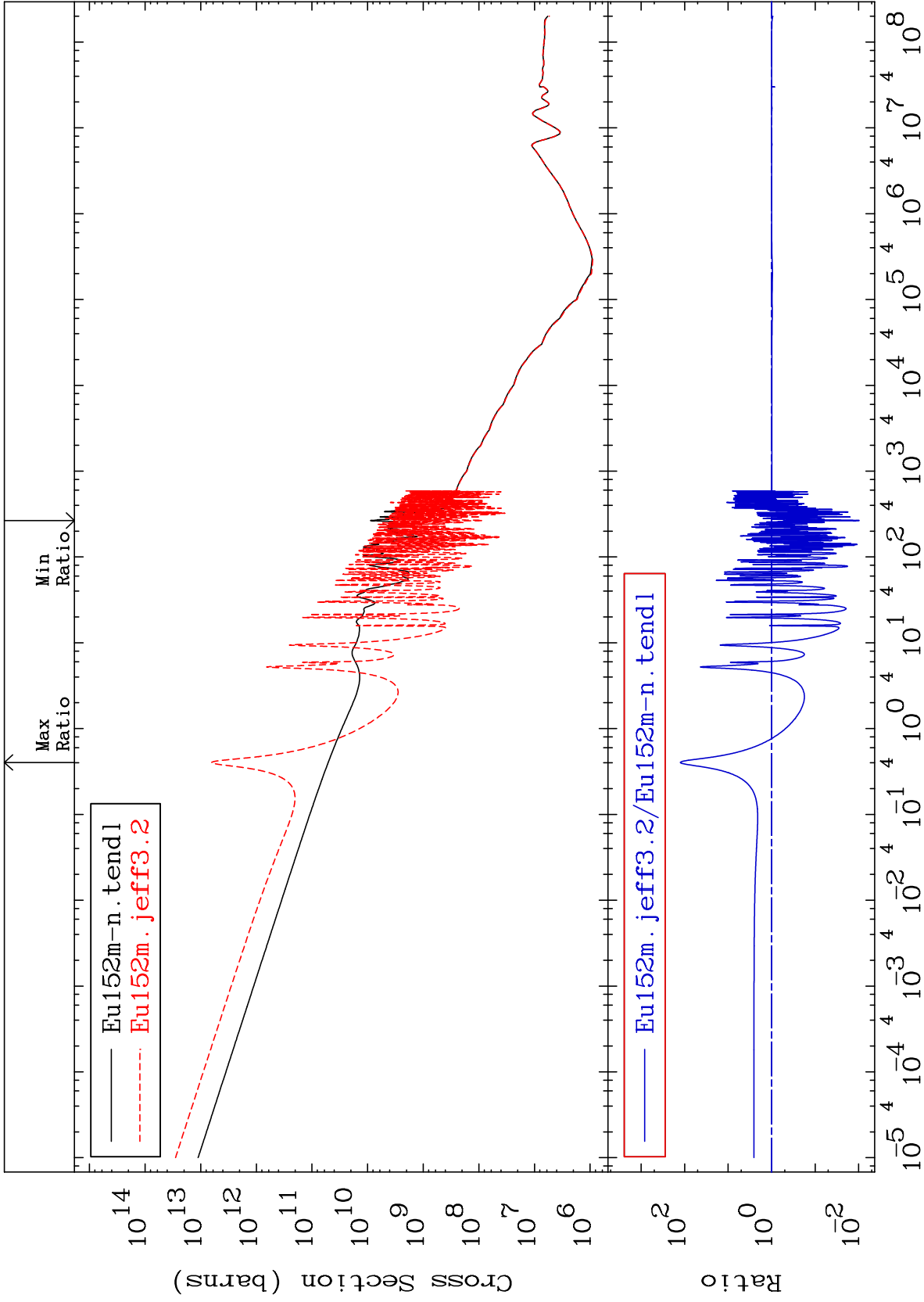
63-Eu-152

MAT 6329

Total photon (eV-barns)

63-Eu-152

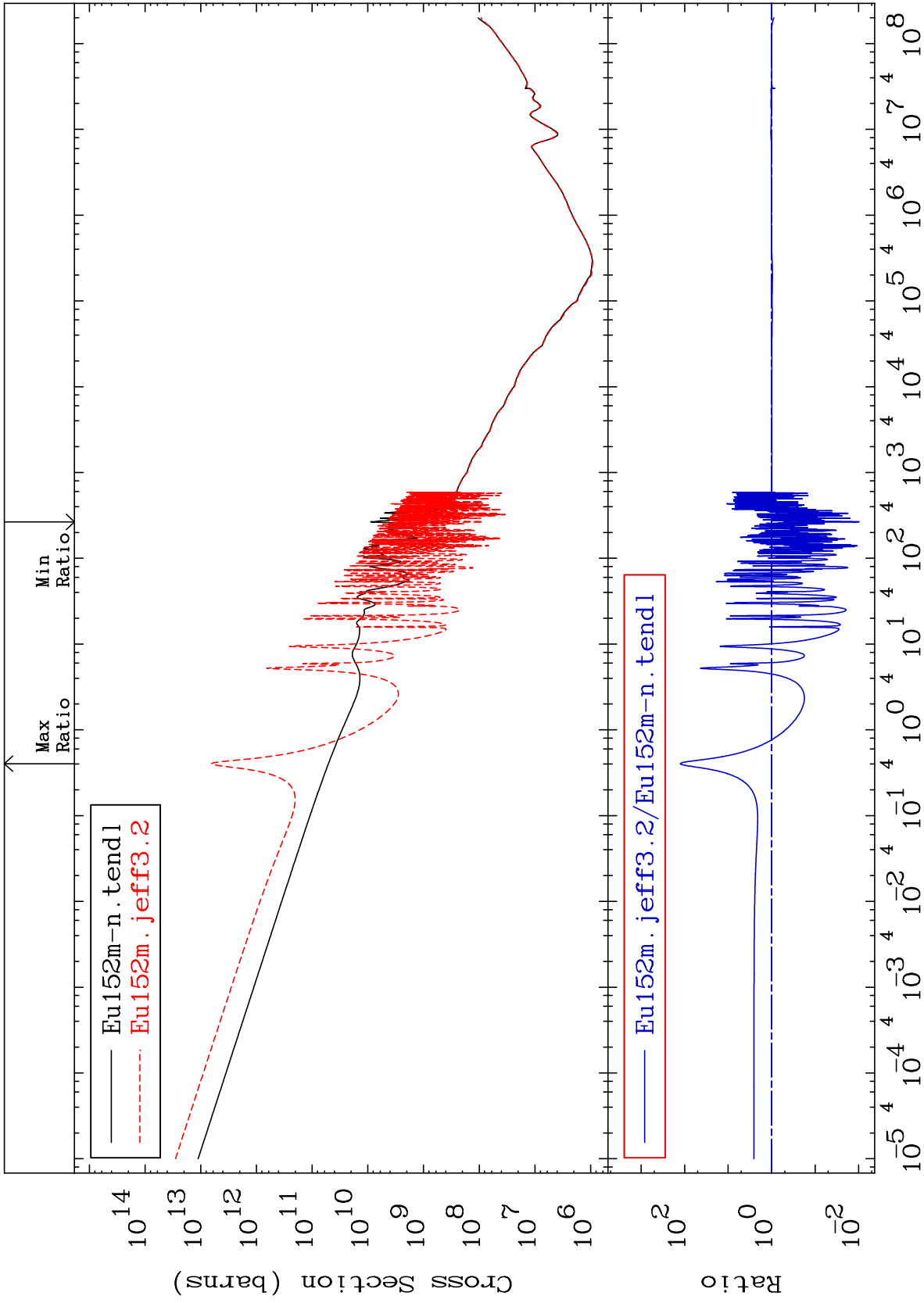
-99.04 To 9999. %



75

Incident Energy (eV)

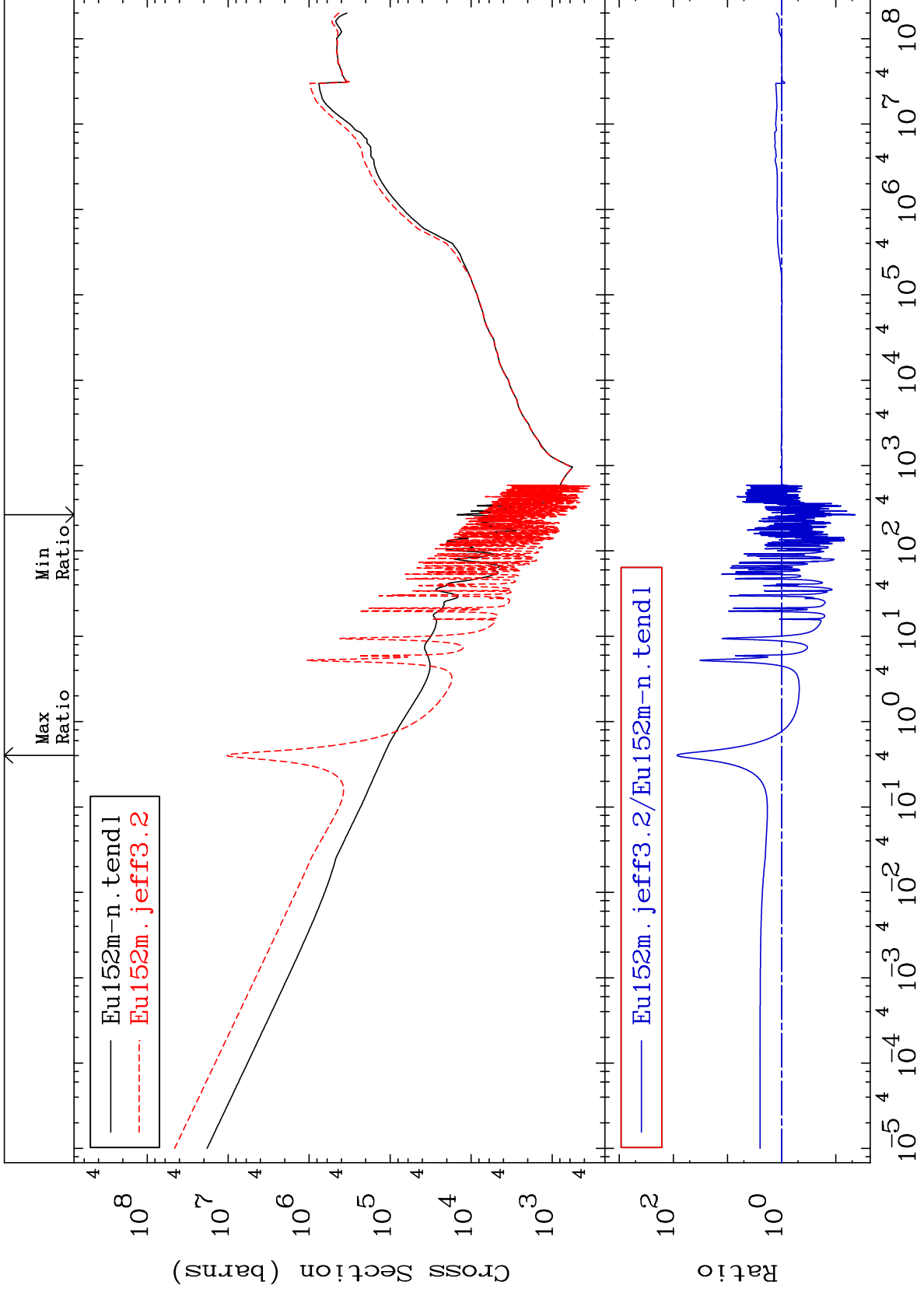
63-Eu-152



MAT 6329

Dpa total (eV-barns)
Cross Section

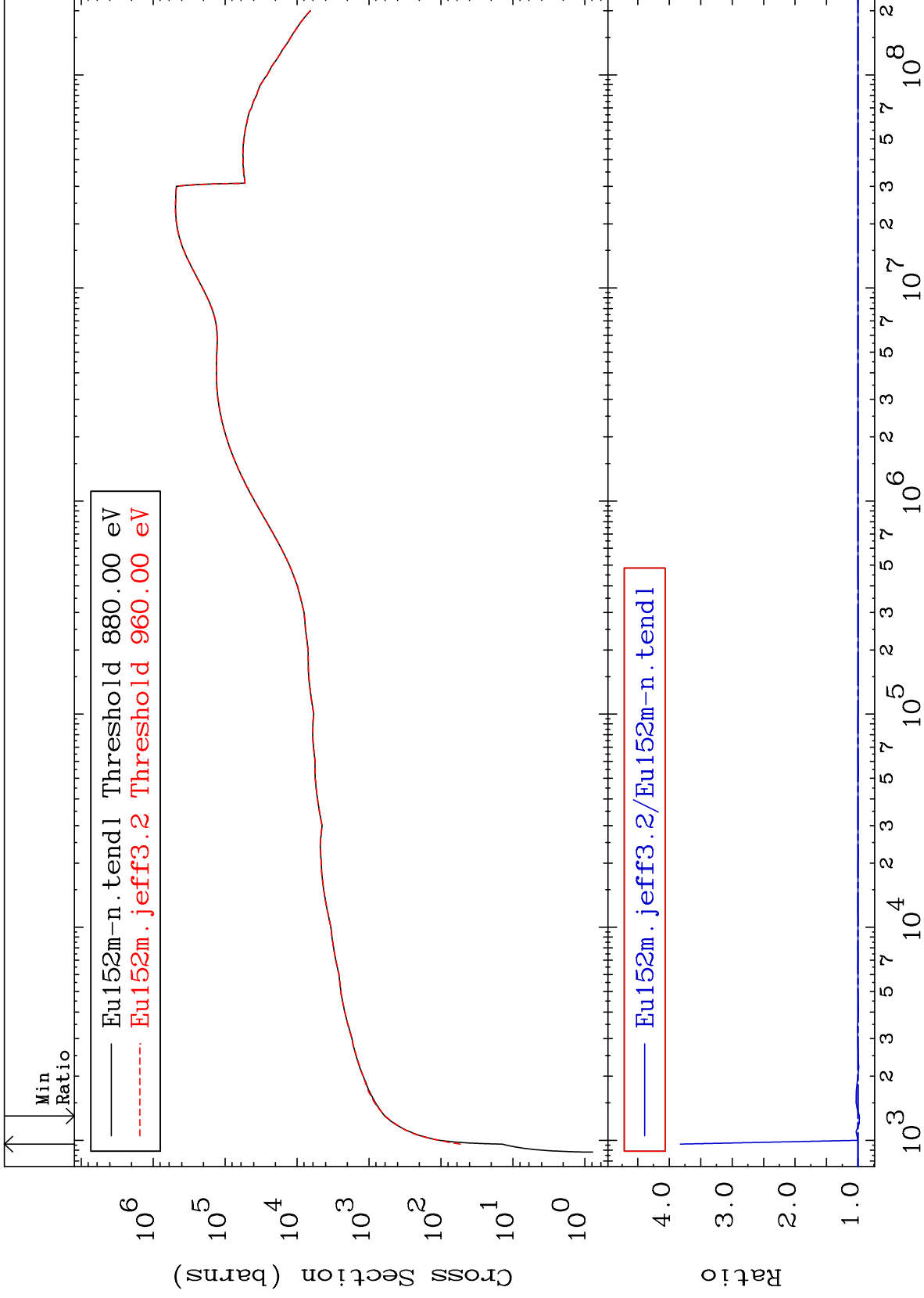
63-Eu-152
-95.58 To 8523. %



MAT 6329

Dpa elastic (mt2)
Cross Section

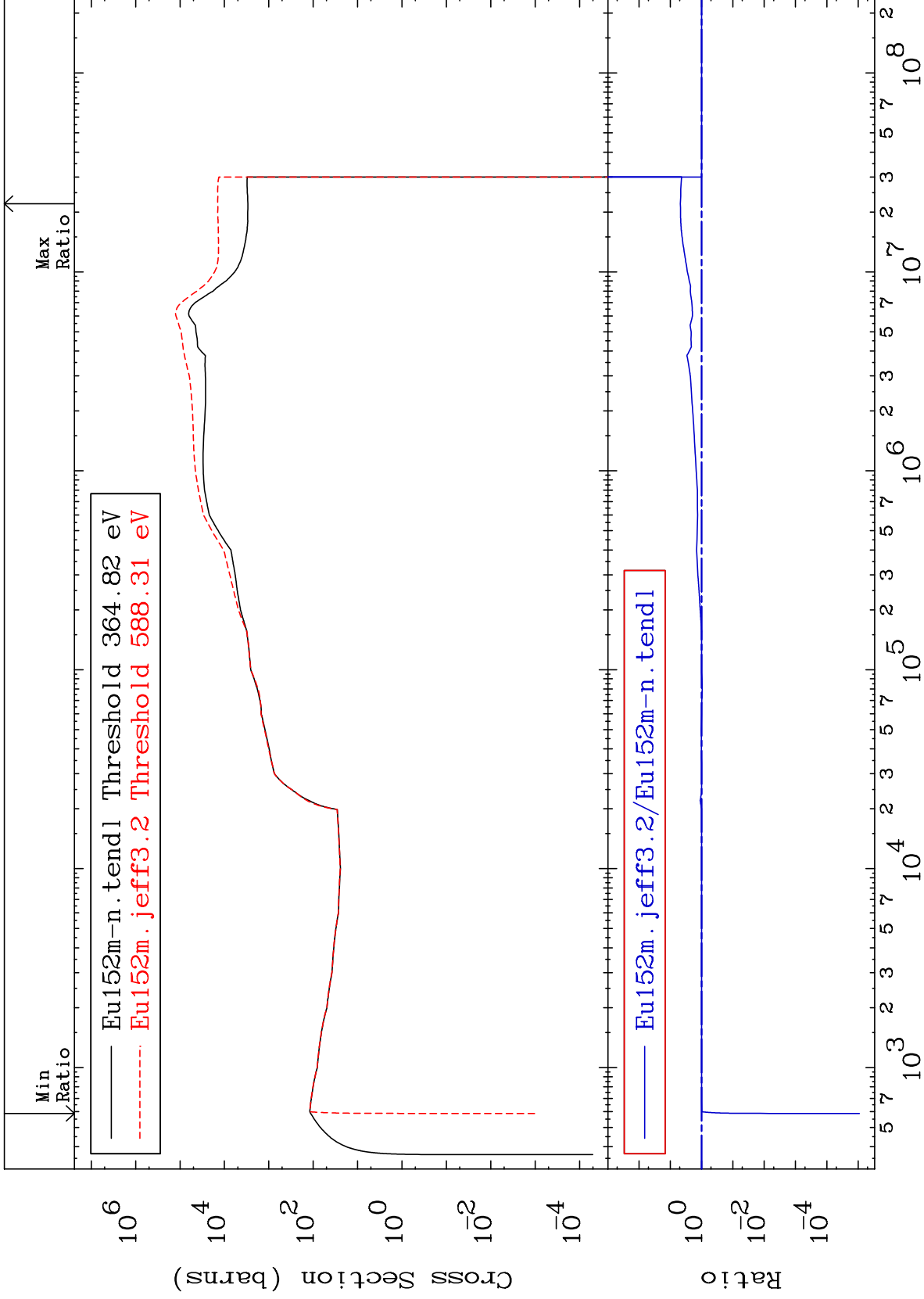
63-Eu-152
-2.276 To 282.3 %



78

Incident Energy (eV)

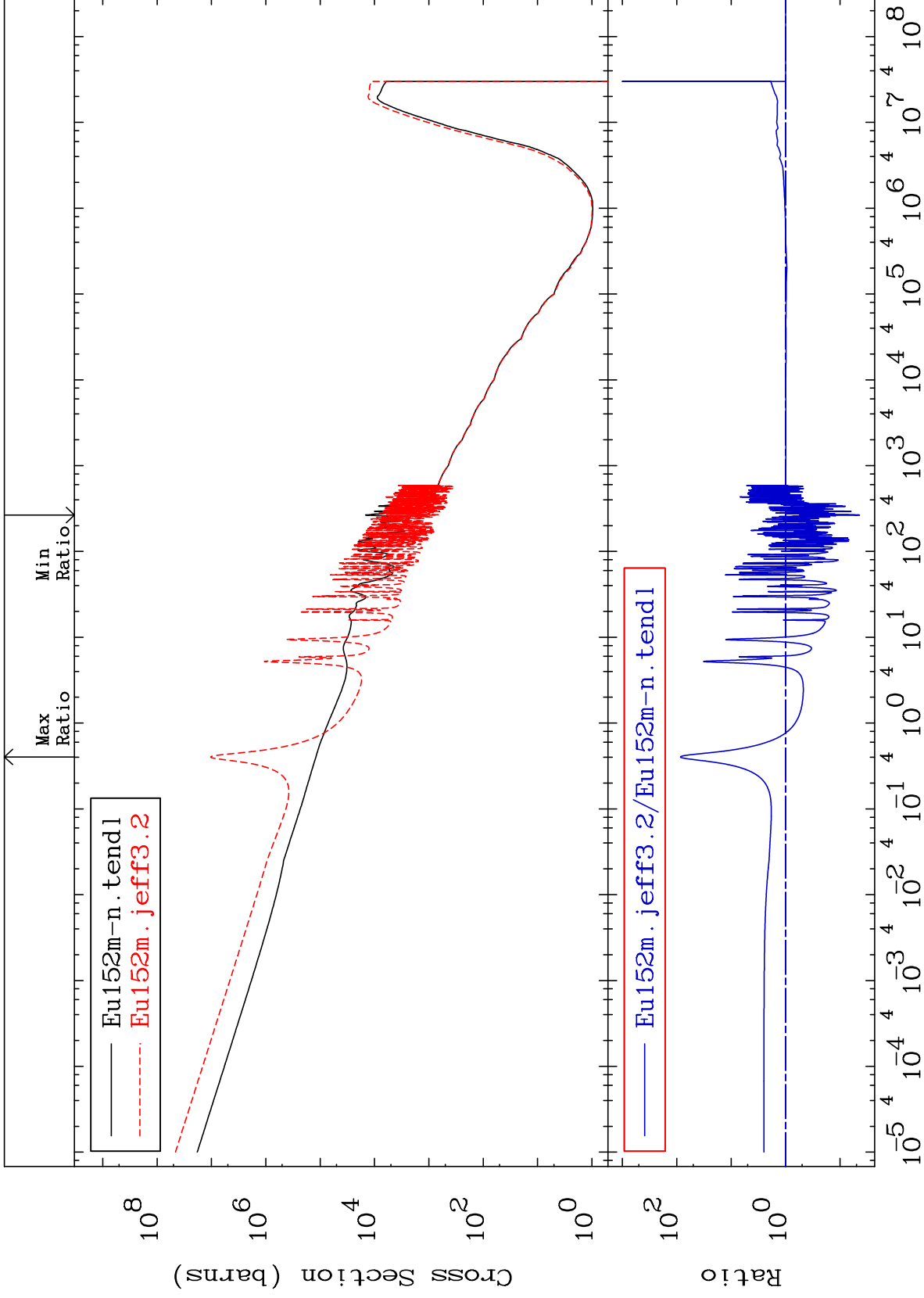
63-Eu-152



MAT 6329

Dpa disappearance (mt102 -120)
Cross Section

63-Eu-152
-95.58 To 8523. %

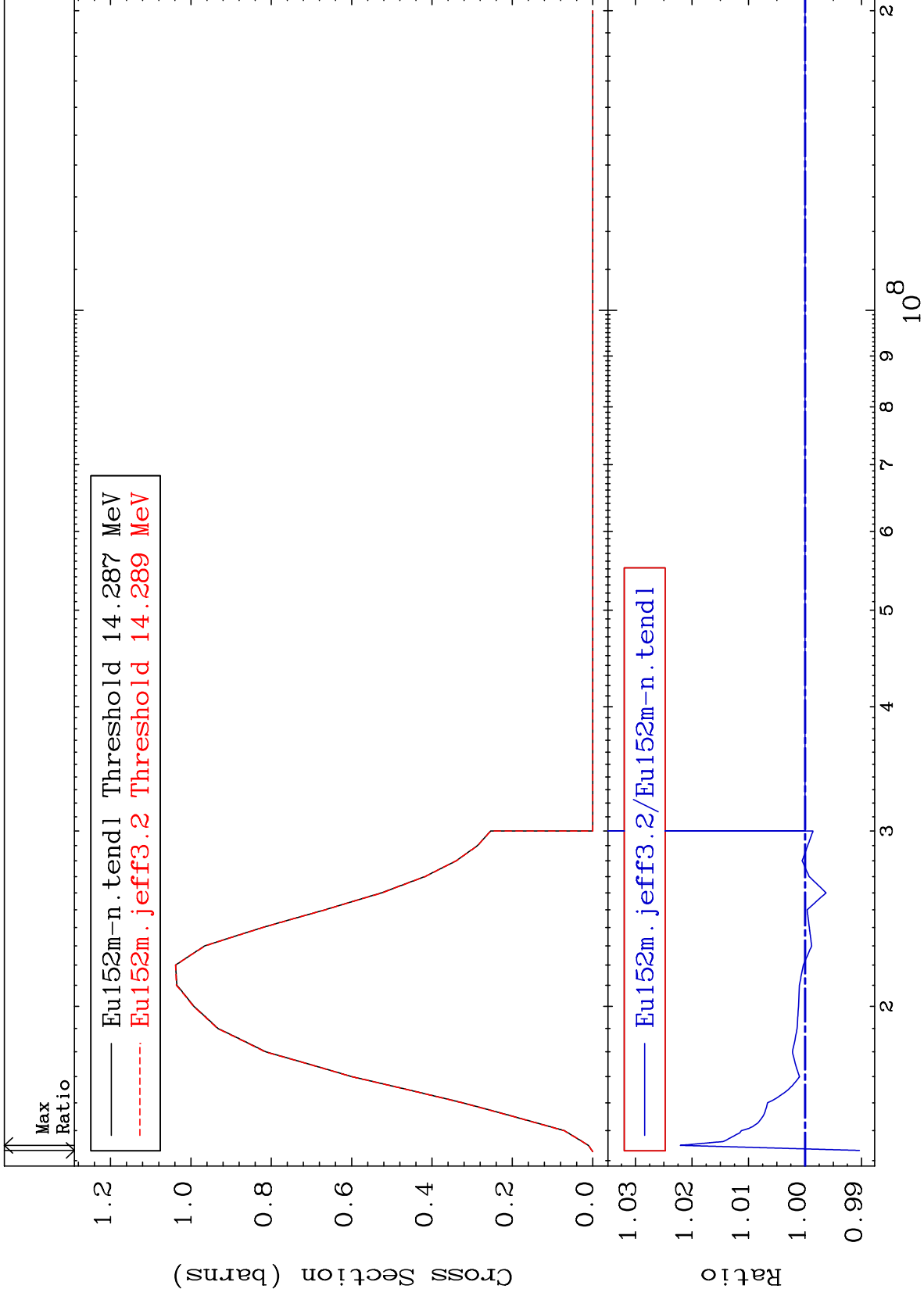


80

Incident Energy (eV)

63-Eu-152

Radionuclide Production Cross Section -0.962 To 2.207 %



MAT 6329

(n, 3n) : 63-Eu-150m1

63-Eu-152

Radionuclide Production Cross Section -0.809 To 2.427 %

