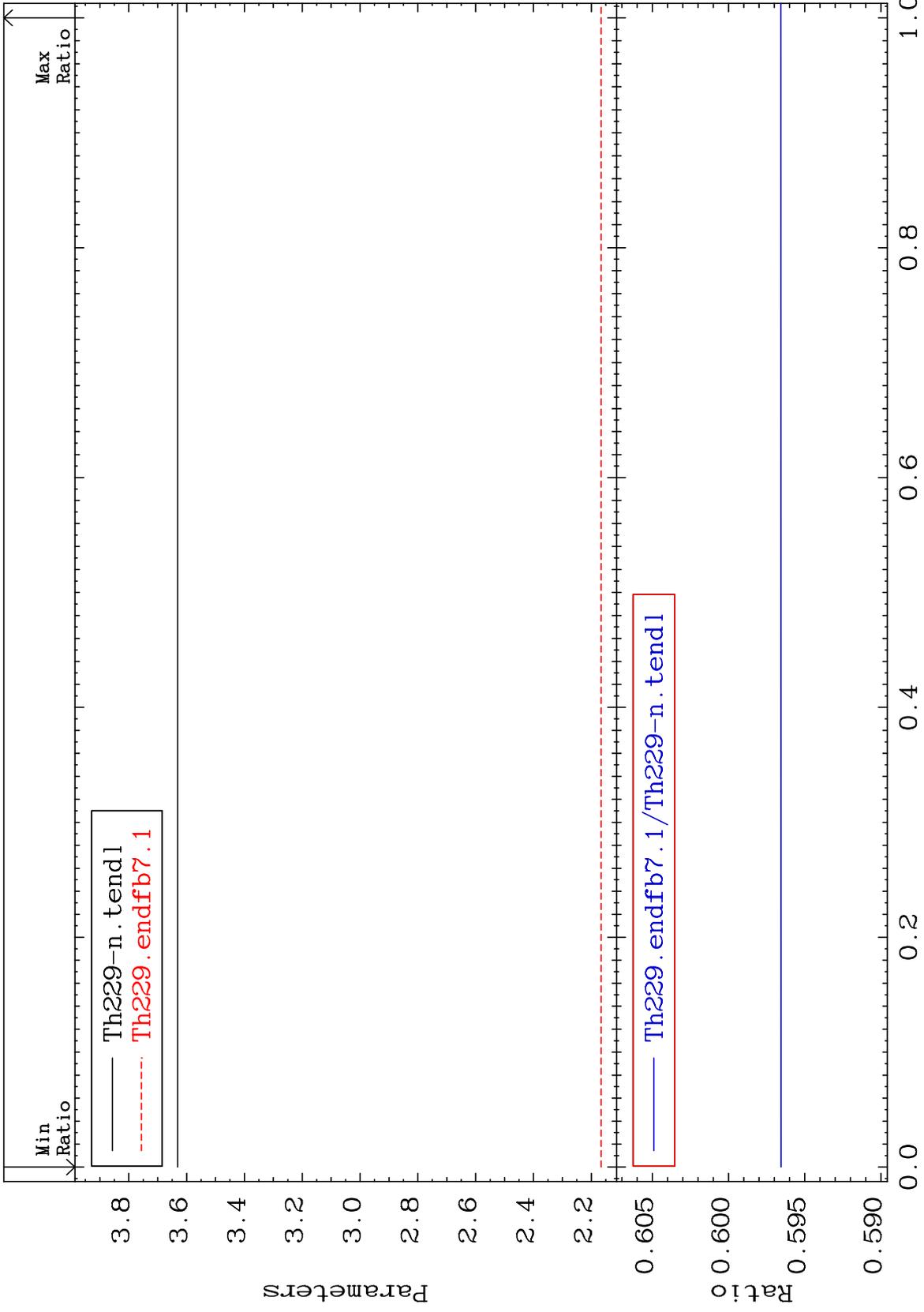


MAT 9031

Total  $\bar{\nu}$   
Parameters

90-Th-229  
-40.34 To -40.34%



1

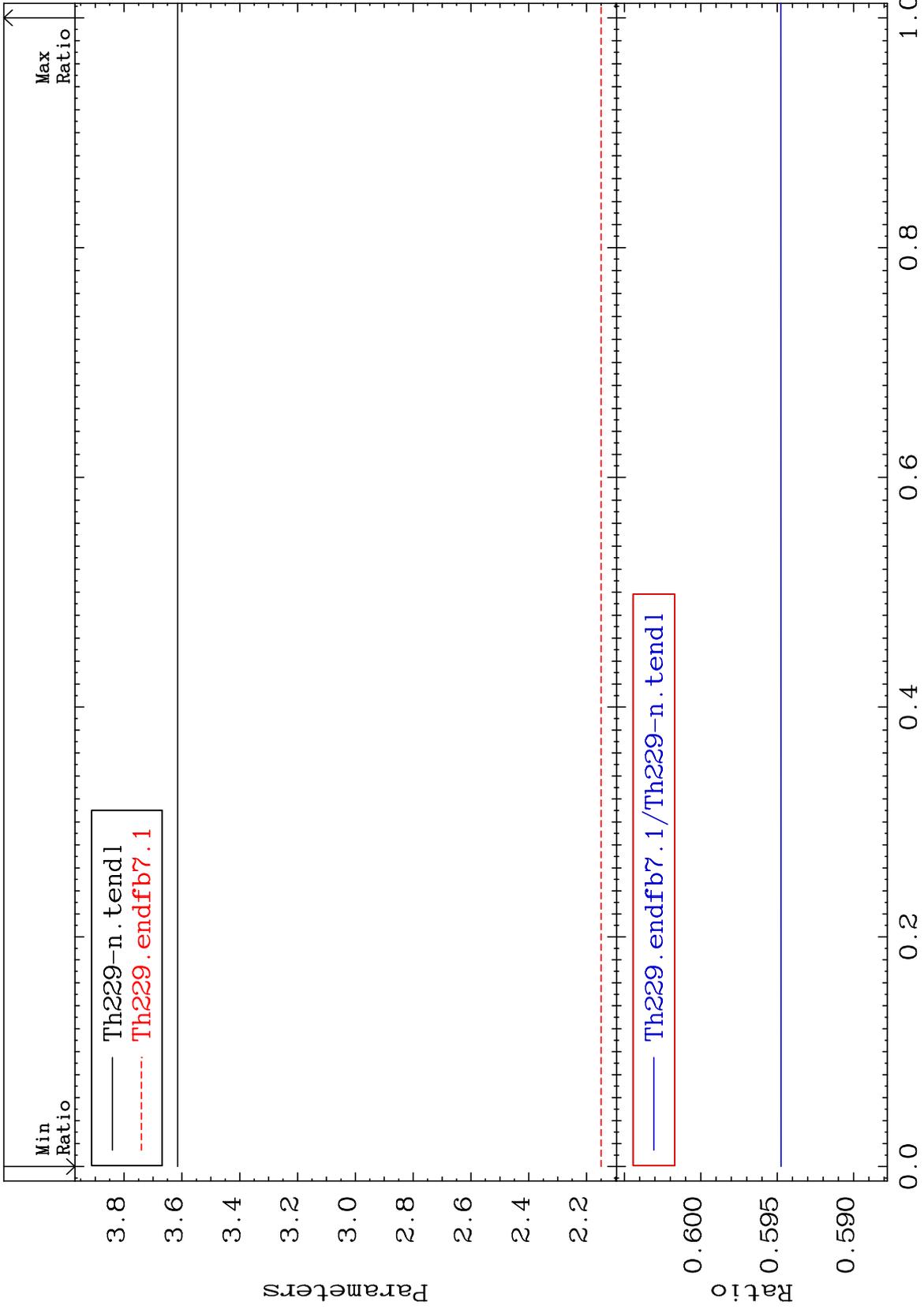
Incident Energy (KeV)

90-Th-229

MAT 9031

Prompt  $\bar{\nu}$   
Parameters

90-Th-229  
-40.53 To -40.52%



2

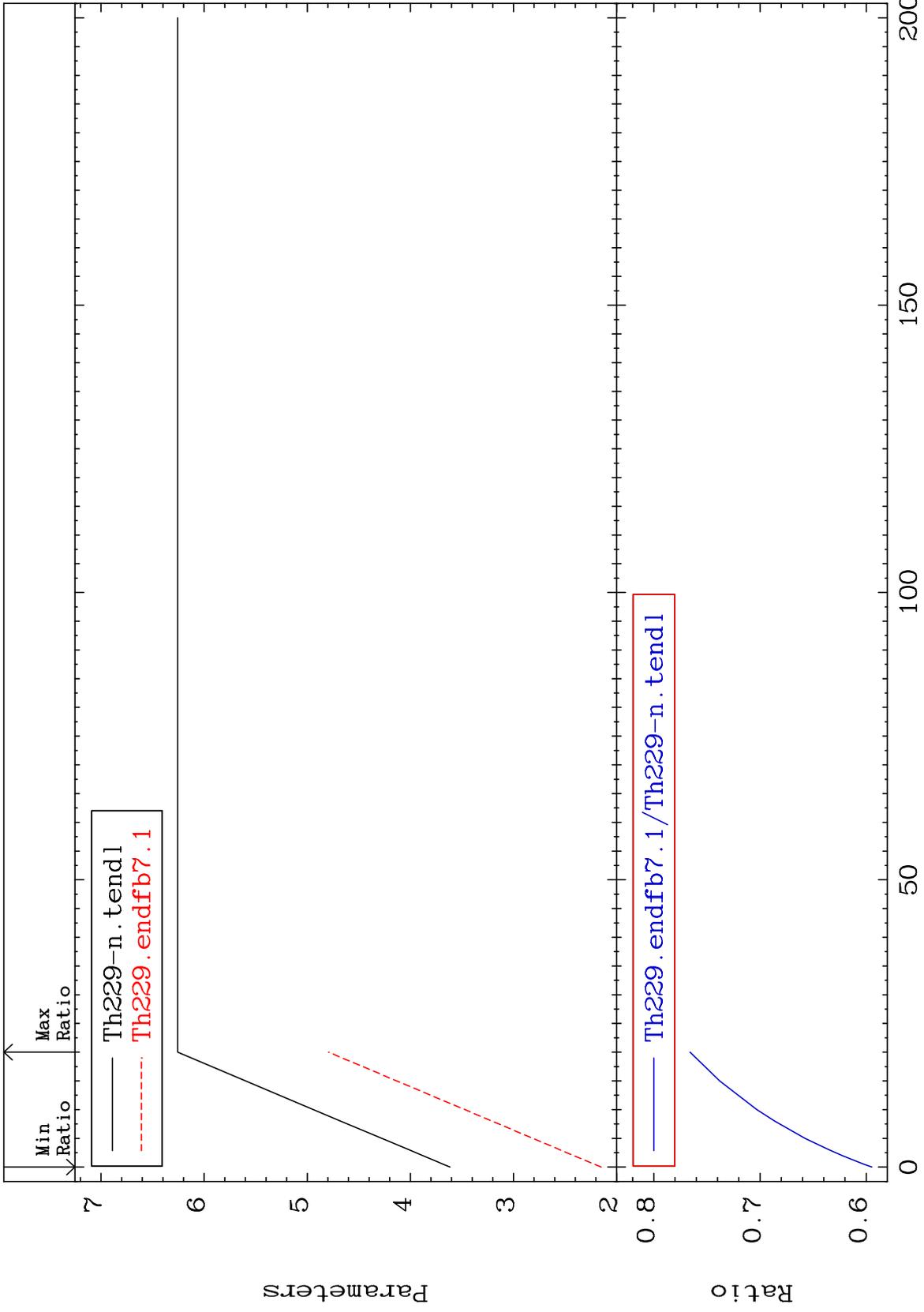
Incident Energy (KeV)

90-Th-229

MAT 9031

Prompt  $\bar{\nu}$   
Parameters

90-Th-229  
-40.53 To -23.41%



3

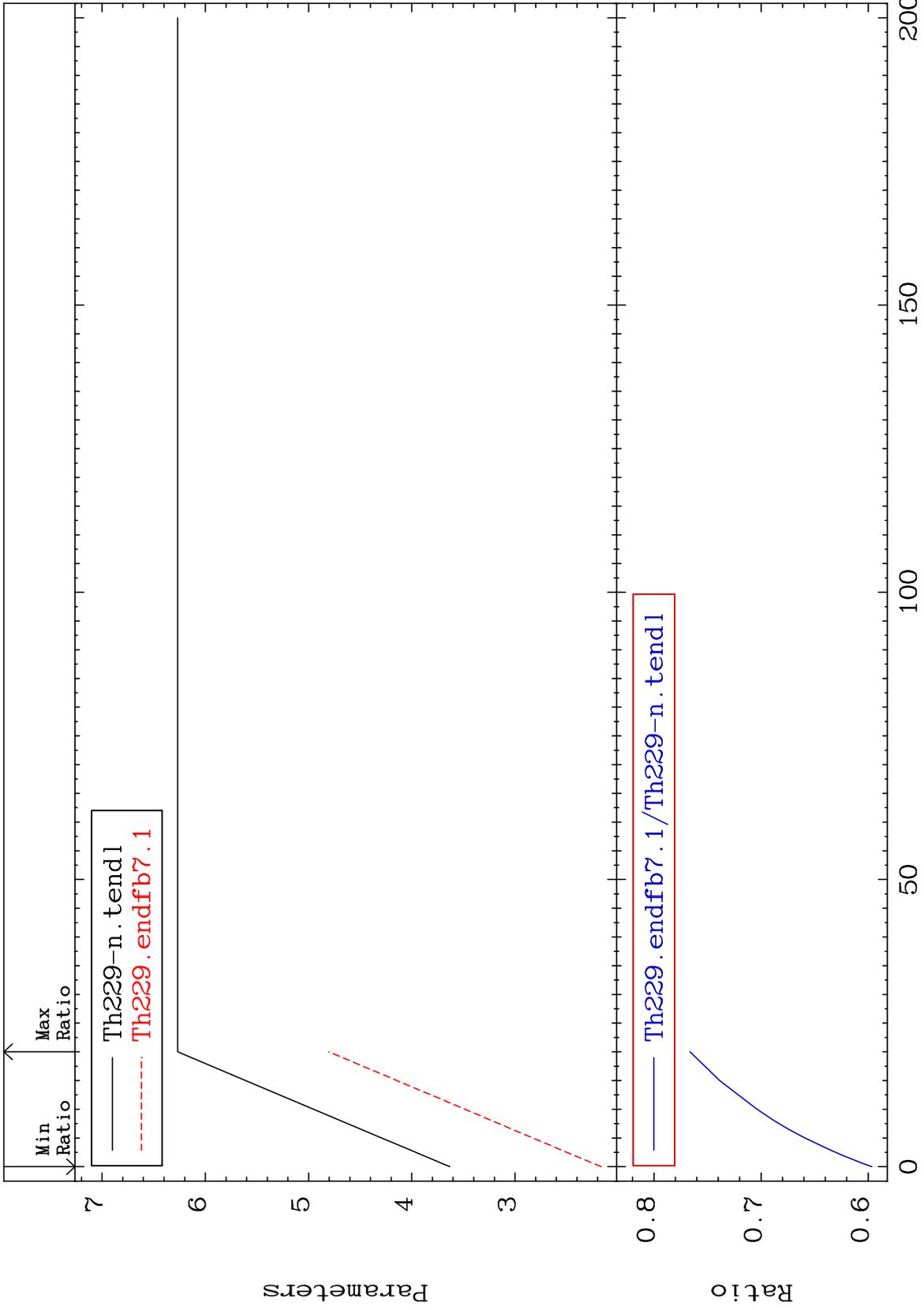
Incident Energy (MeV)

90-Th-229

MAT 9031

Total  $\bar{\nu}$   
Parameters

90-Th-229  
-40.34 To -23.37%



1

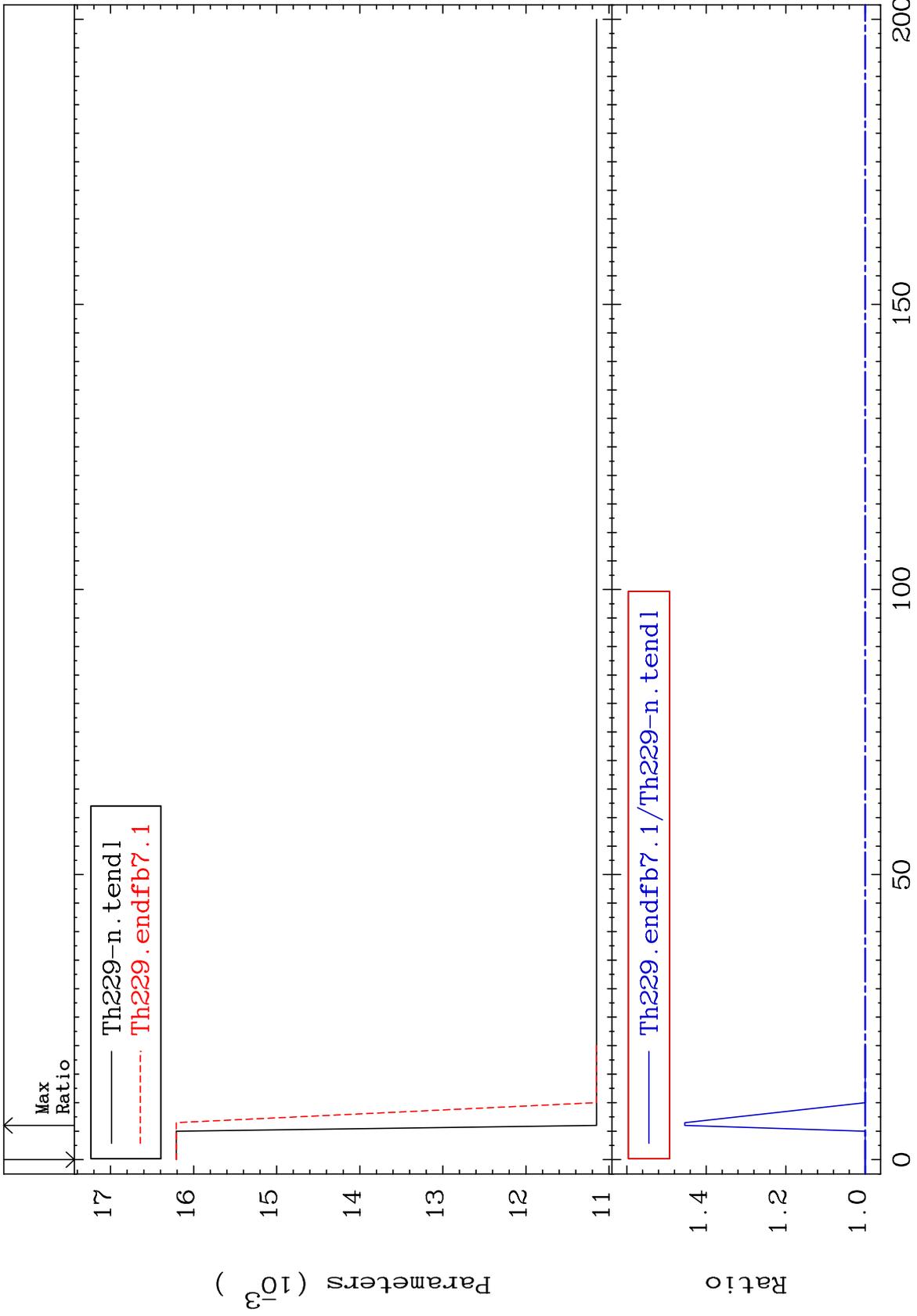
Incident Energy (MeV)

90-Th-229

MAT 9031

Delayed  $\bar{\nu}$   
Parameters

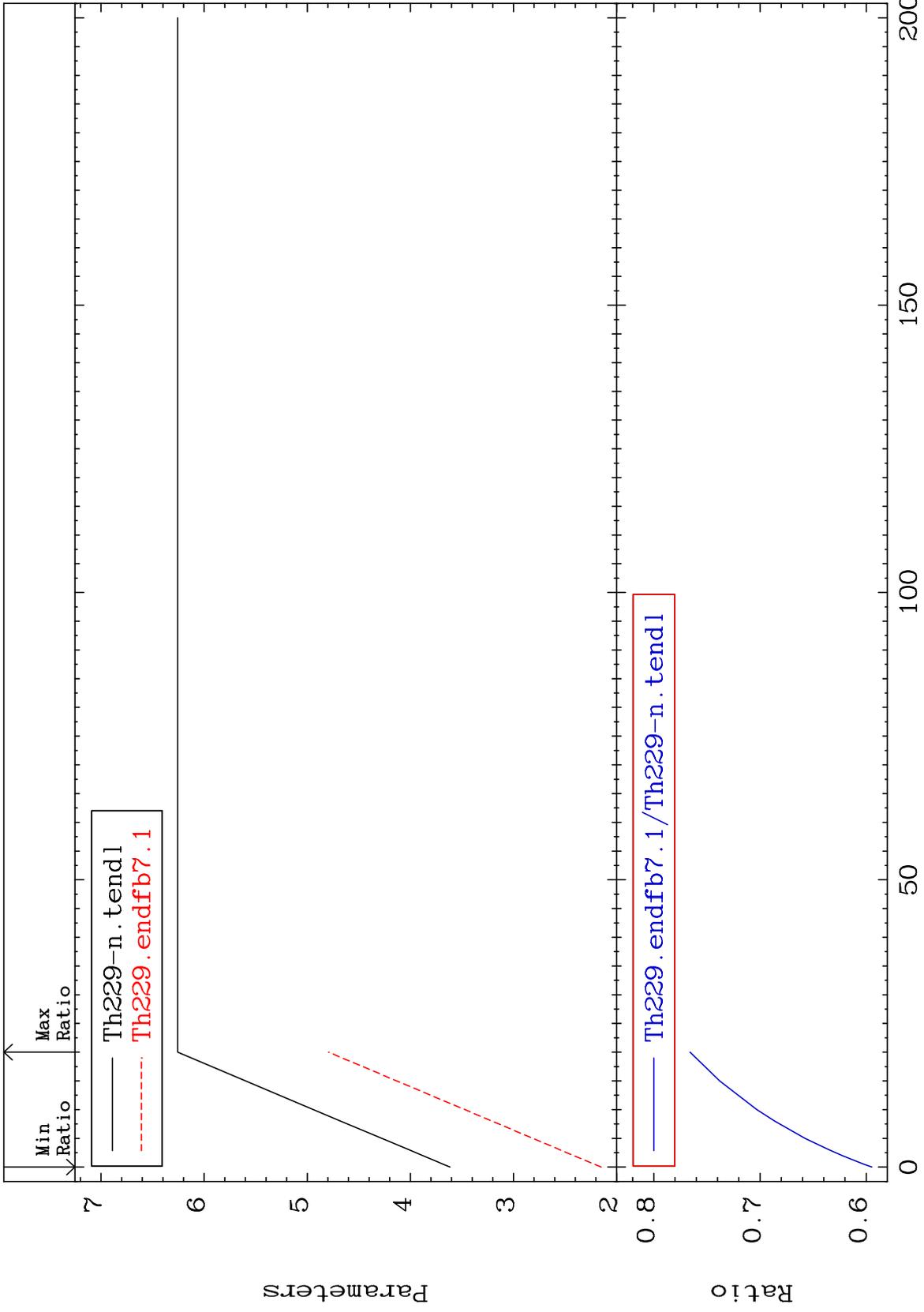
90-Th-229  
To 45.38 %



Incident Energy (MeV)

90-Th-229

2



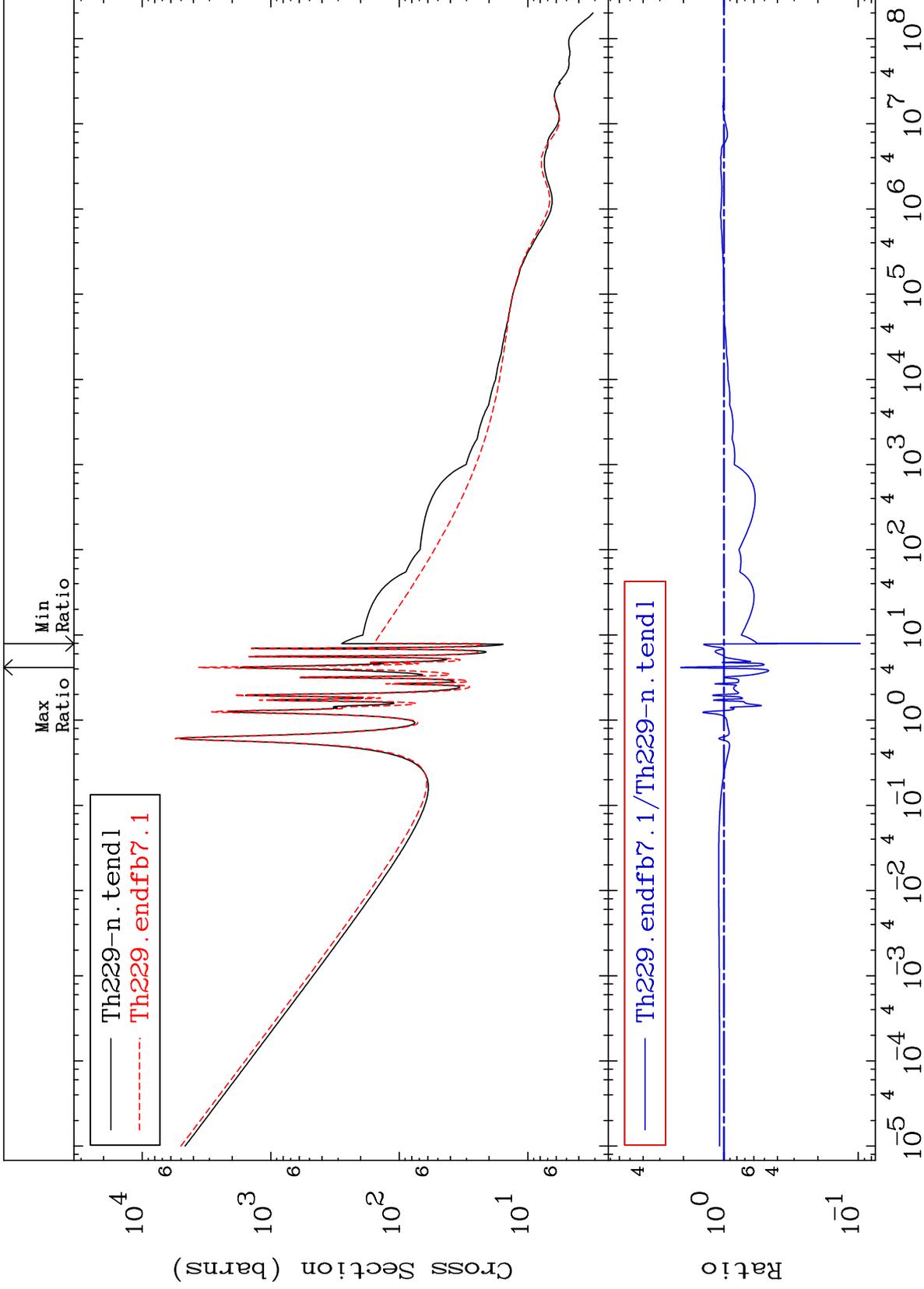
MAT 9031

Total

90-Th-229

Cross Section

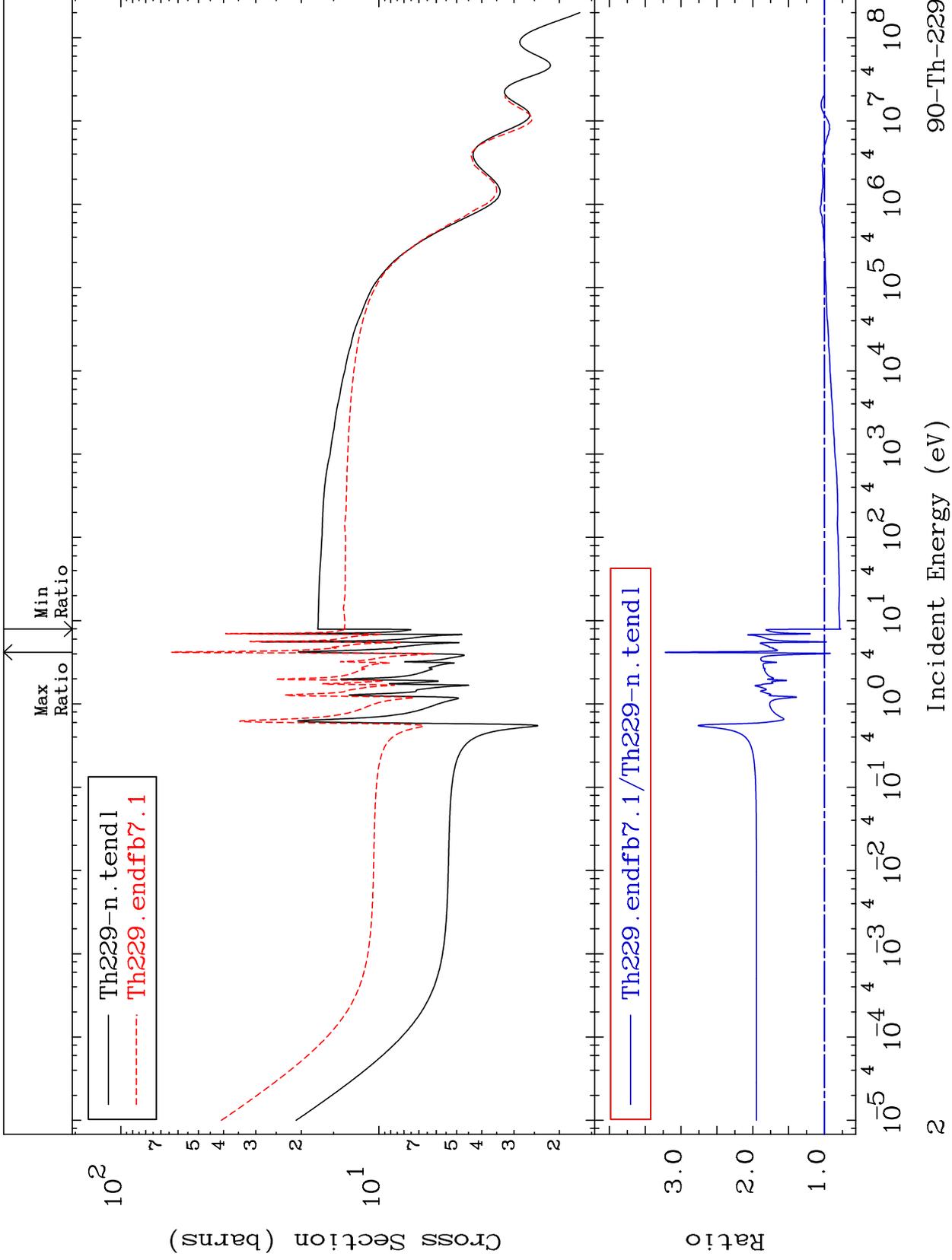
-90.31 To 109.6 %



MAT 9031

Elastic  
Cross Section

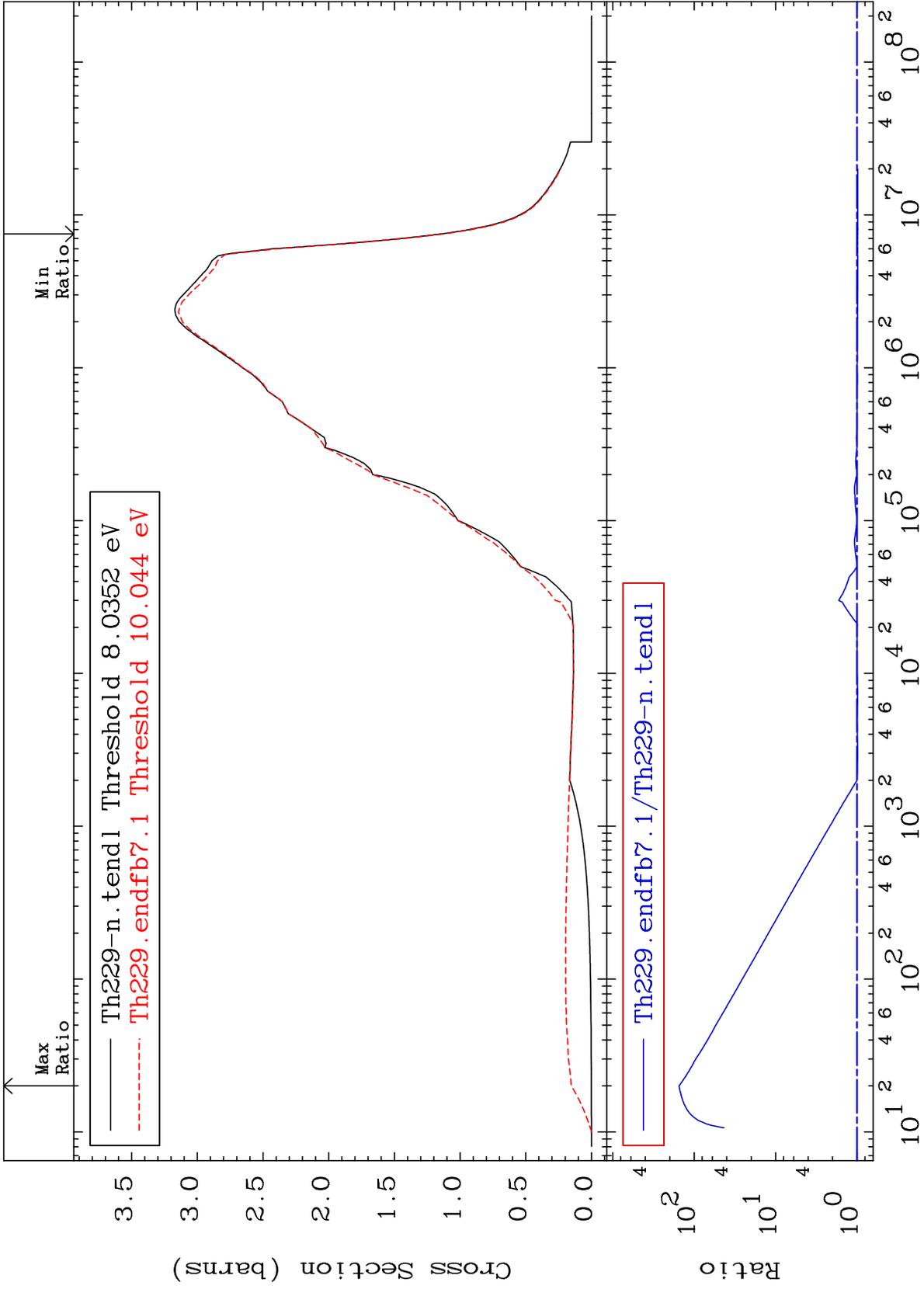
90-Th-229  
-22.83 To 221.7 %



MAT 9031

Inelastic  
Cross Section

90-Th-229  
-2.302 To 9999. %



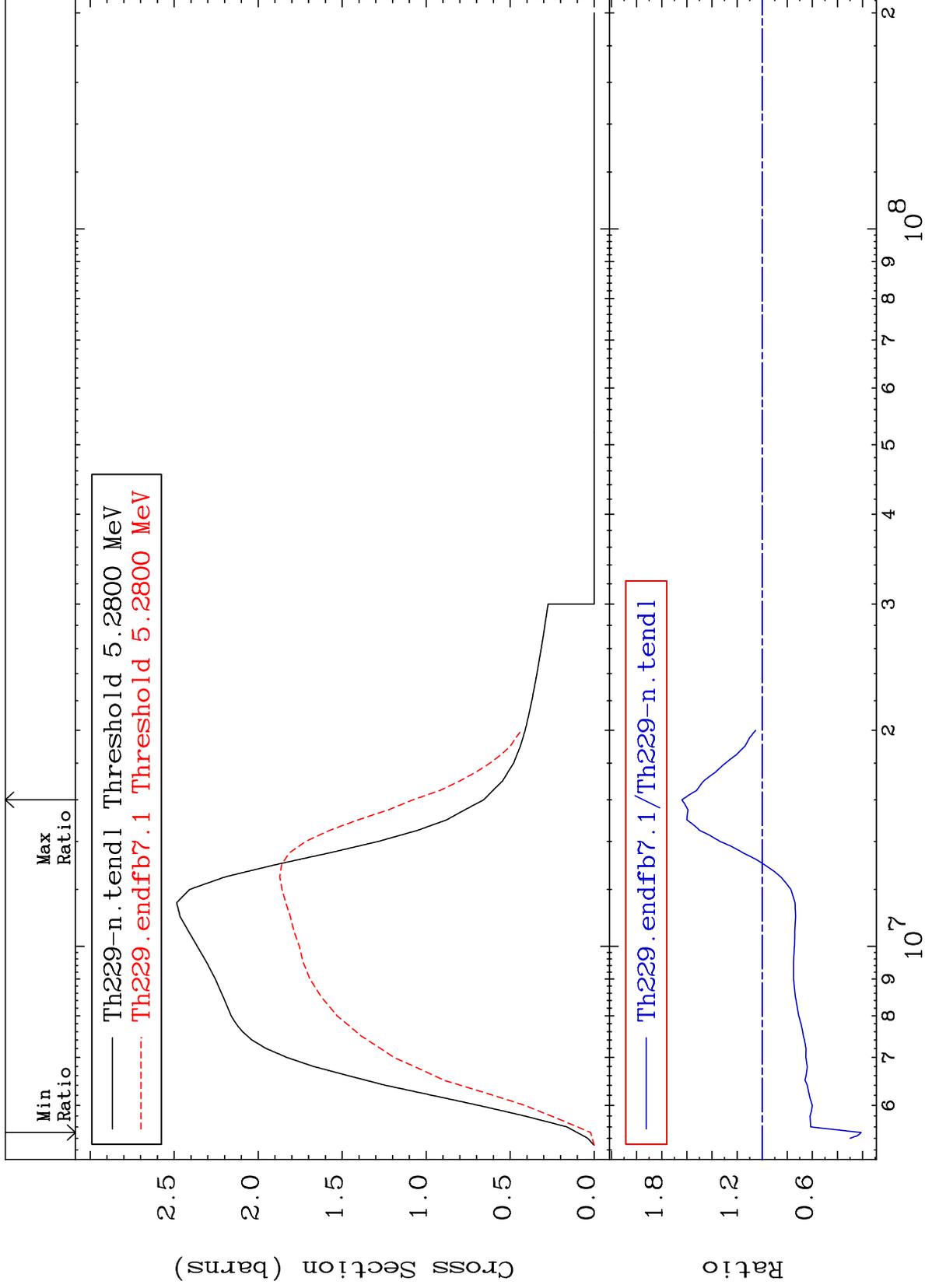
MAT 9031

(n,2n)

90-Th-229

Cross Section

-78.83 To 63.94 %



4

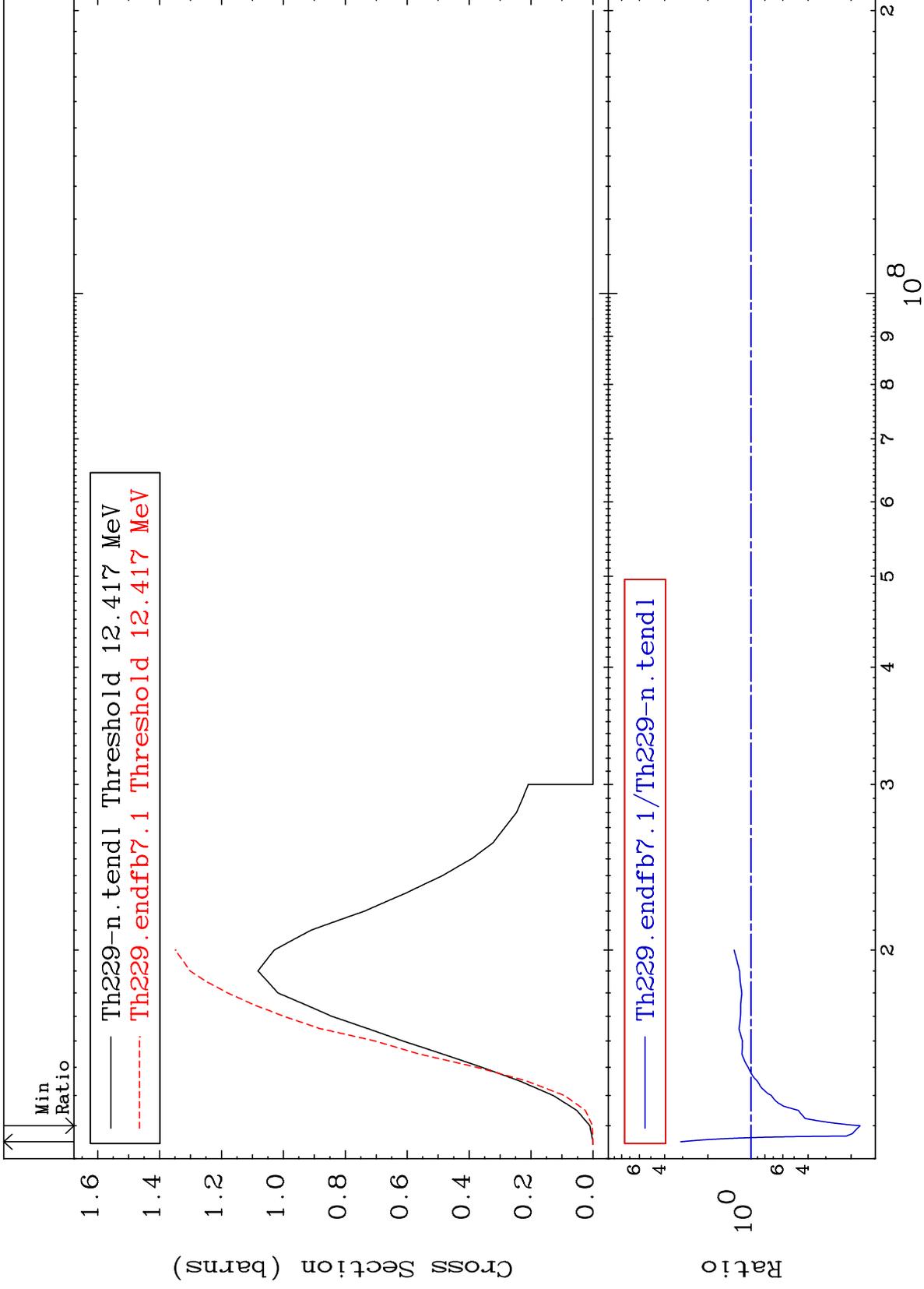
Incident Energy (eV)

90-Th-229

MAT 9031

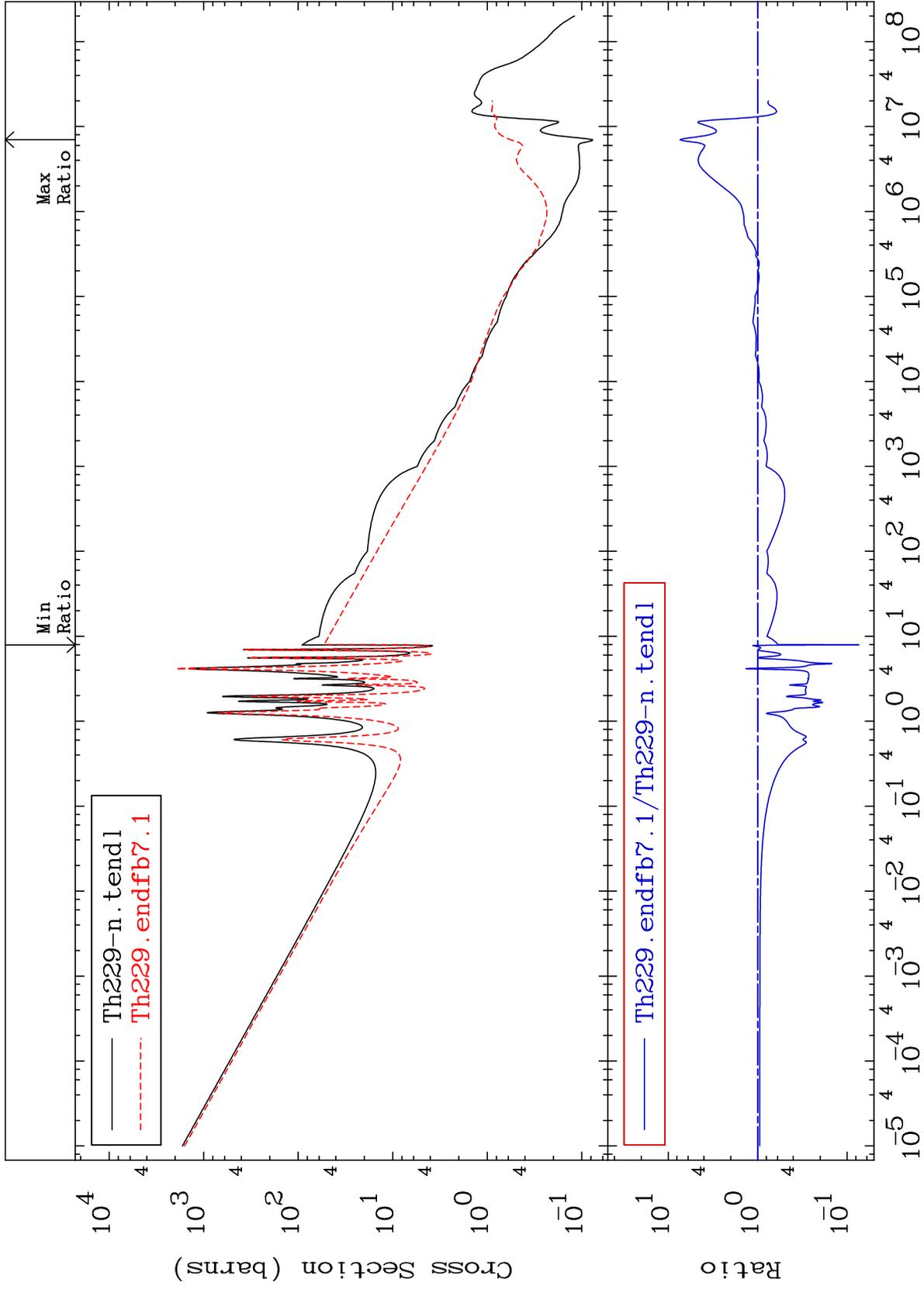
(n,3n)  
Cross Section

90-Th-229  
-82.67 To 209.0 %



MAT 9031

Fission Cross Section  
90-Th-229  
-92.59 To 638.6 %



6

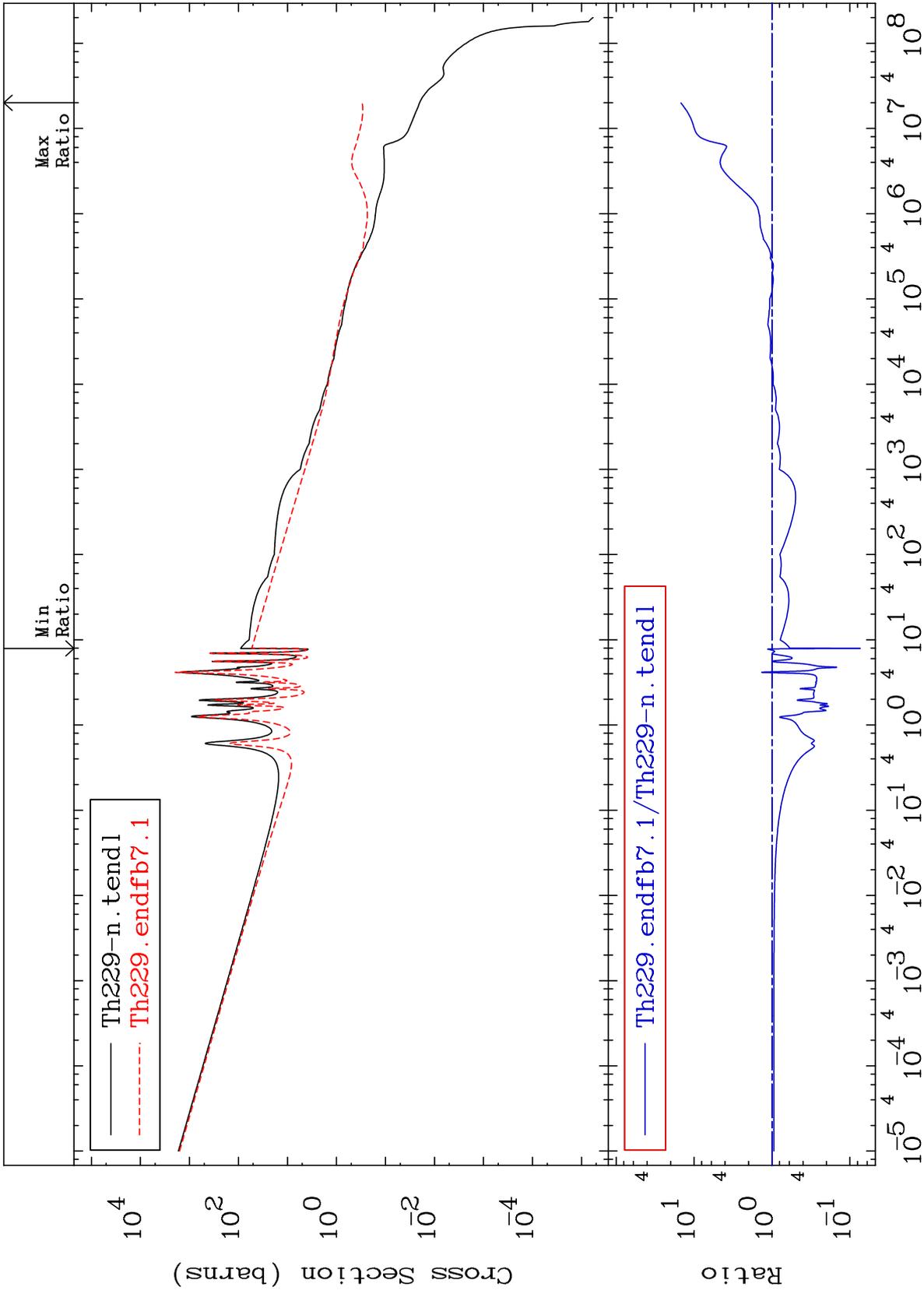
Incident Energy (eV)

90-Th-229

MAT 9031

(n,f) First Chance  
Cross Section

90-Th-229  
-92.59 To 1381. %



Incident Energy (eV)

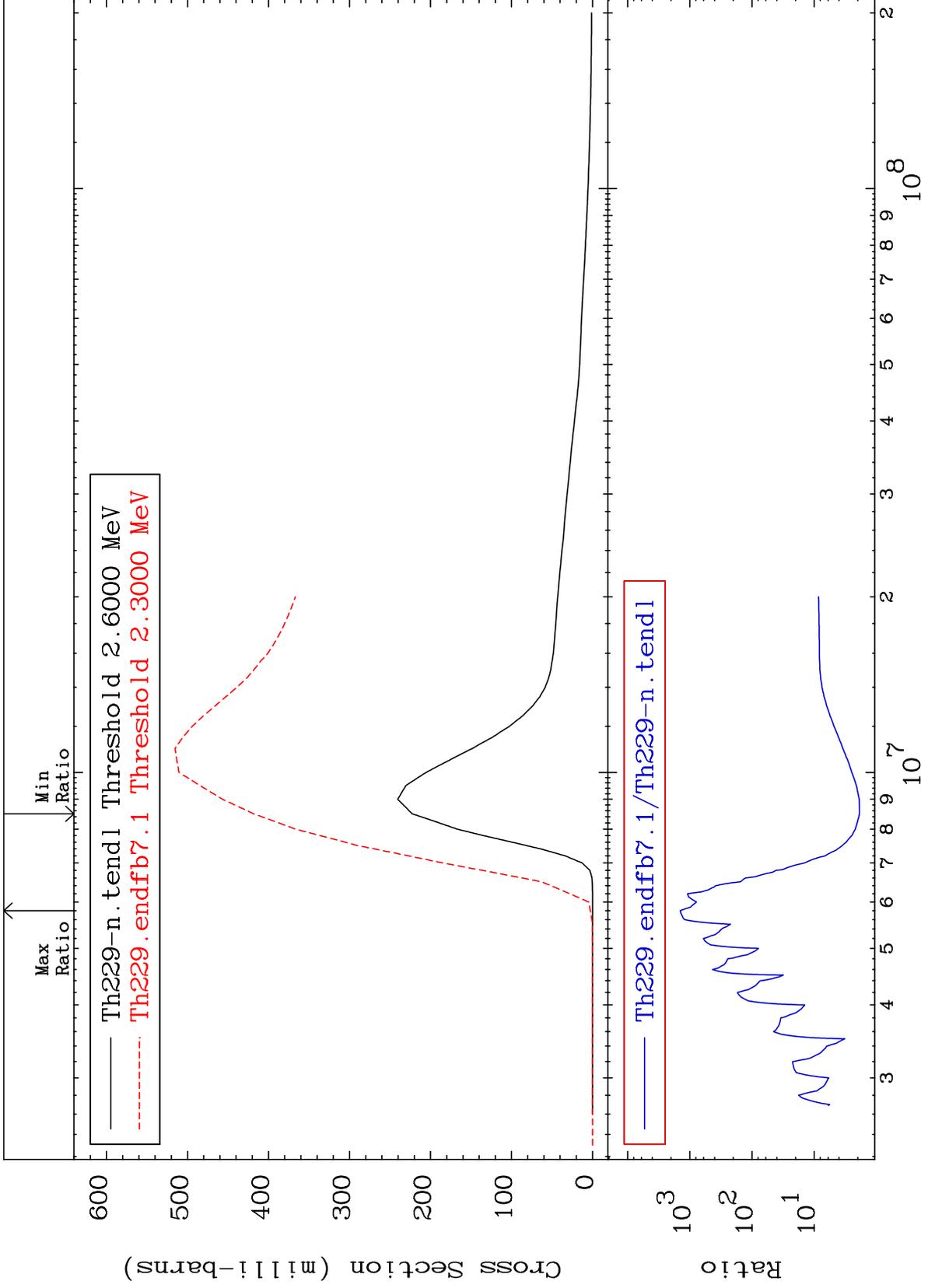
90-Th-229

7

MAT 9031

(n, nf) Second Chance  
Cross Section

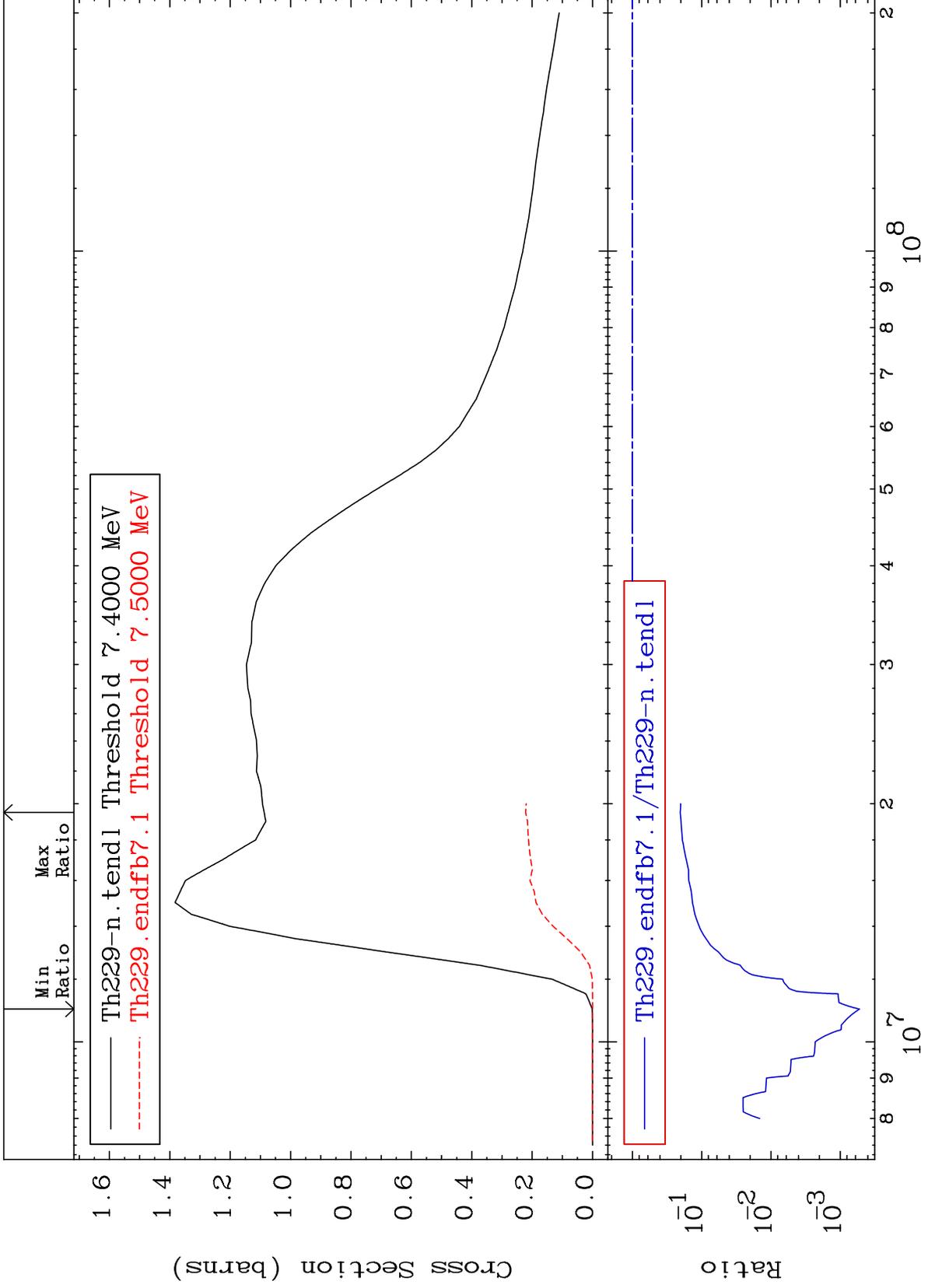
90-Th-229  
87.80 To 9999. %



MAT 9031

(n,2nf) Third Chance  
Cross Section

90-Th-229  
-99.95 To -79.63%



9

Incident Energy (eV)

90-Th-229

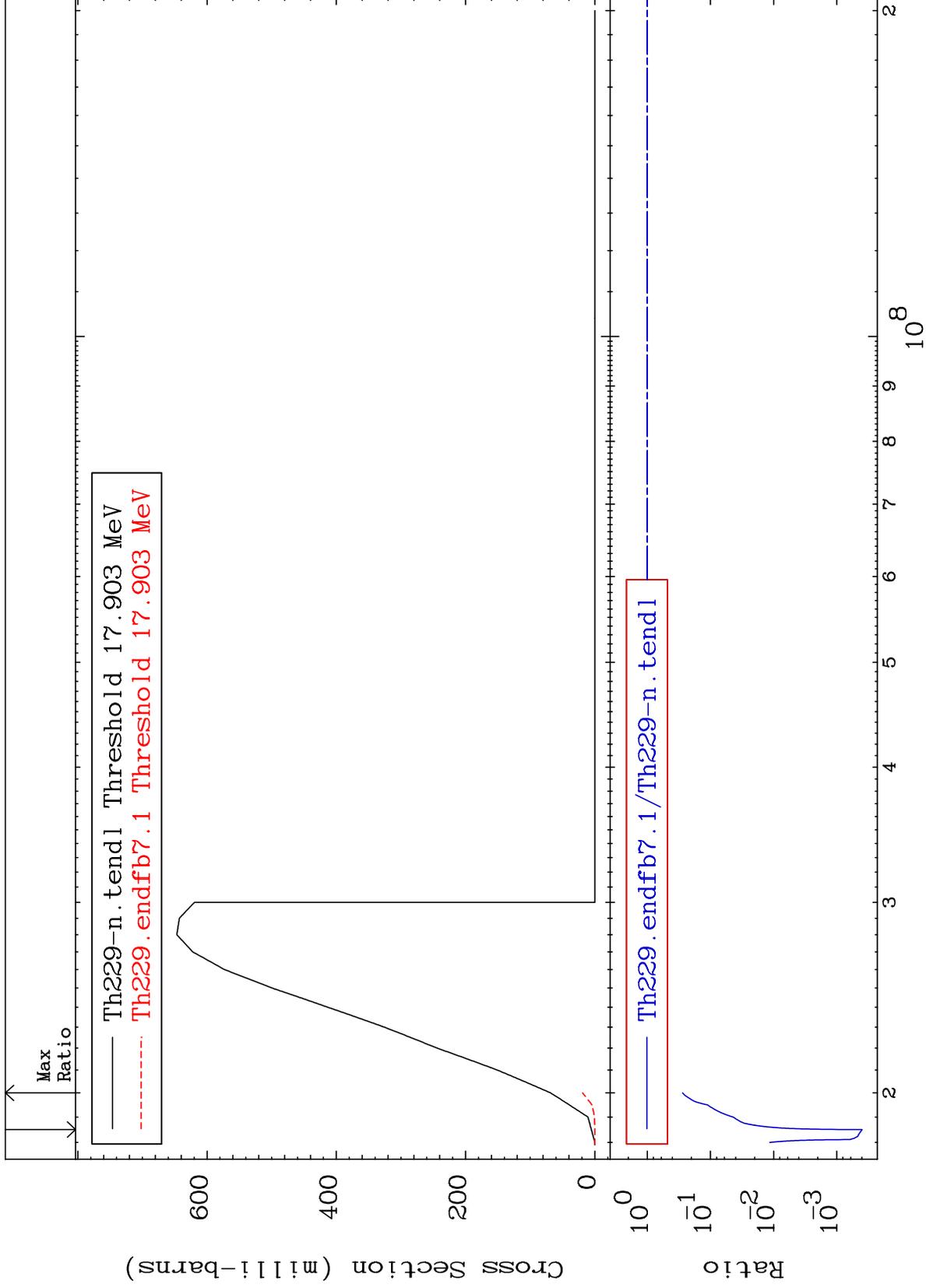
MAT 9031

(n,4n)

90-Th-229

Cross Section

-99.96 To -72.47%



10

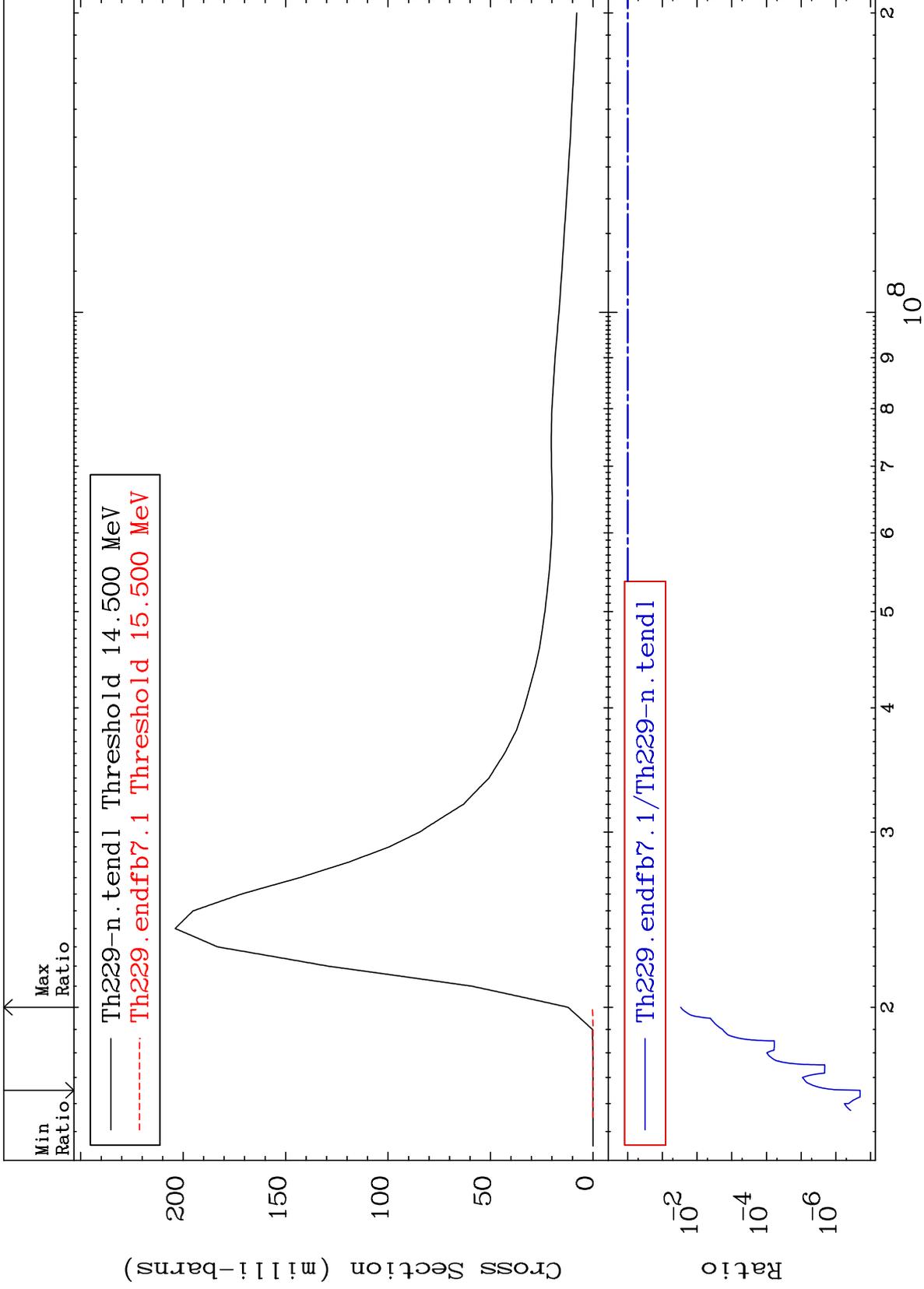
Incident Energy (eV)

90-Th-229

MAT 9031

(n,3nf) Fourth Chance  
Cross Section

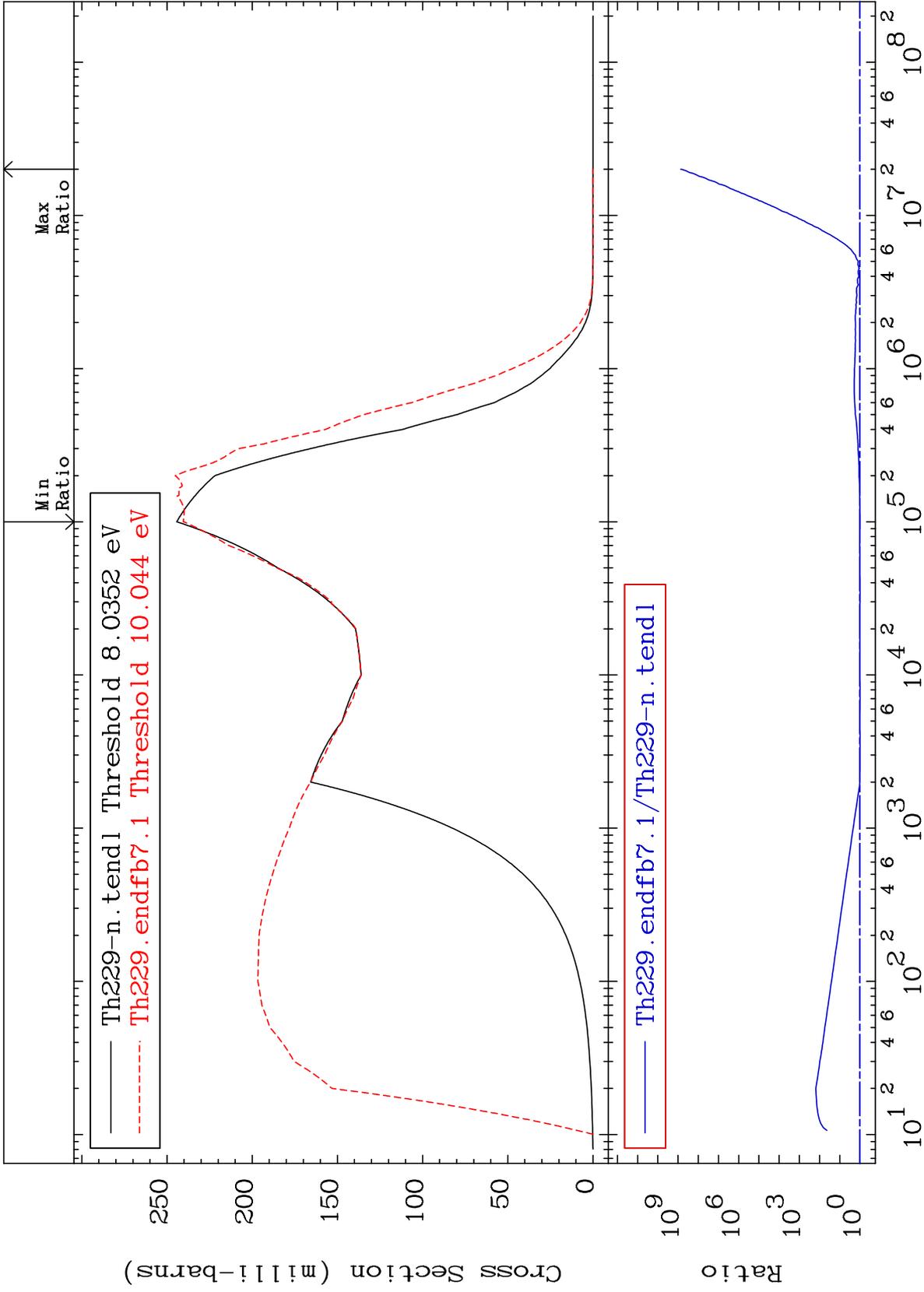
90-Th-229  
-100.0 To -97.06%



MAT 9031

0.008 keV (n,n') Level  
Cross Section

90-Th-229  
-1.618 To 9999. %



12

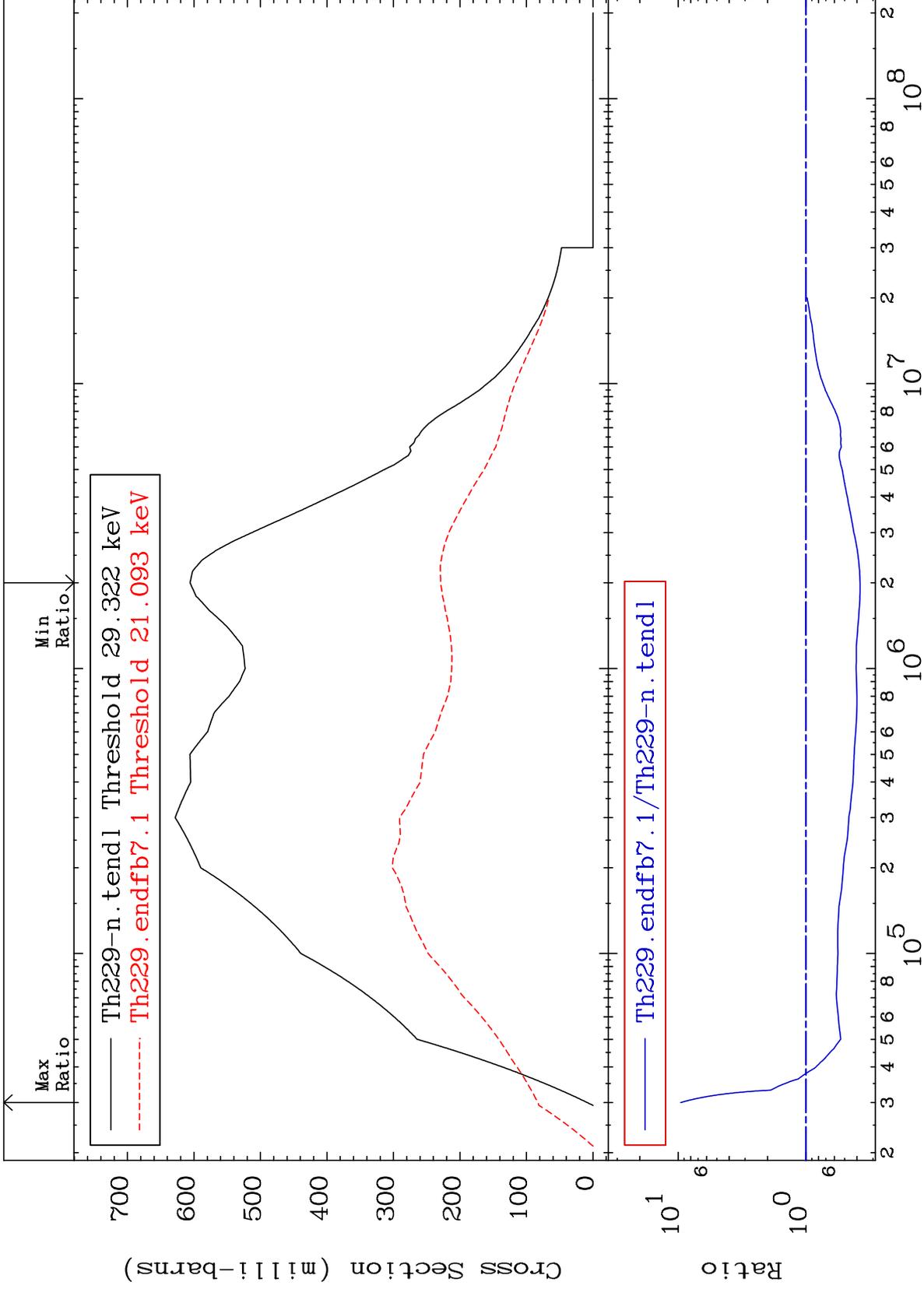
Incident Energy (eV)

90-Th-229

MAT 9031

29.19 keV (n,n') Level  
Cross Section

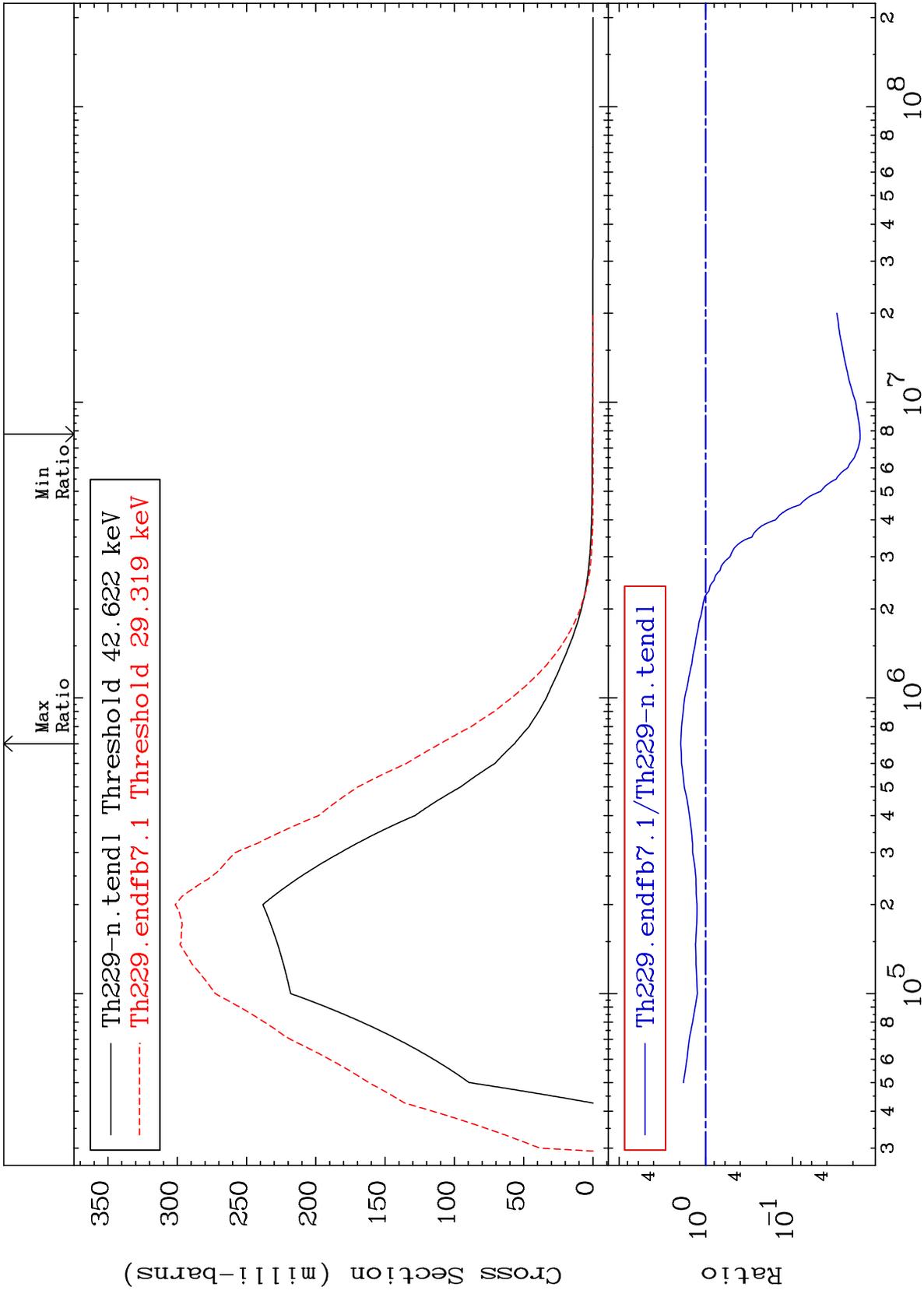
90-Th-229  
-62.19 To 856.1 %



MAT 9031

42.44 keV (n,n') Level  
Cross Section

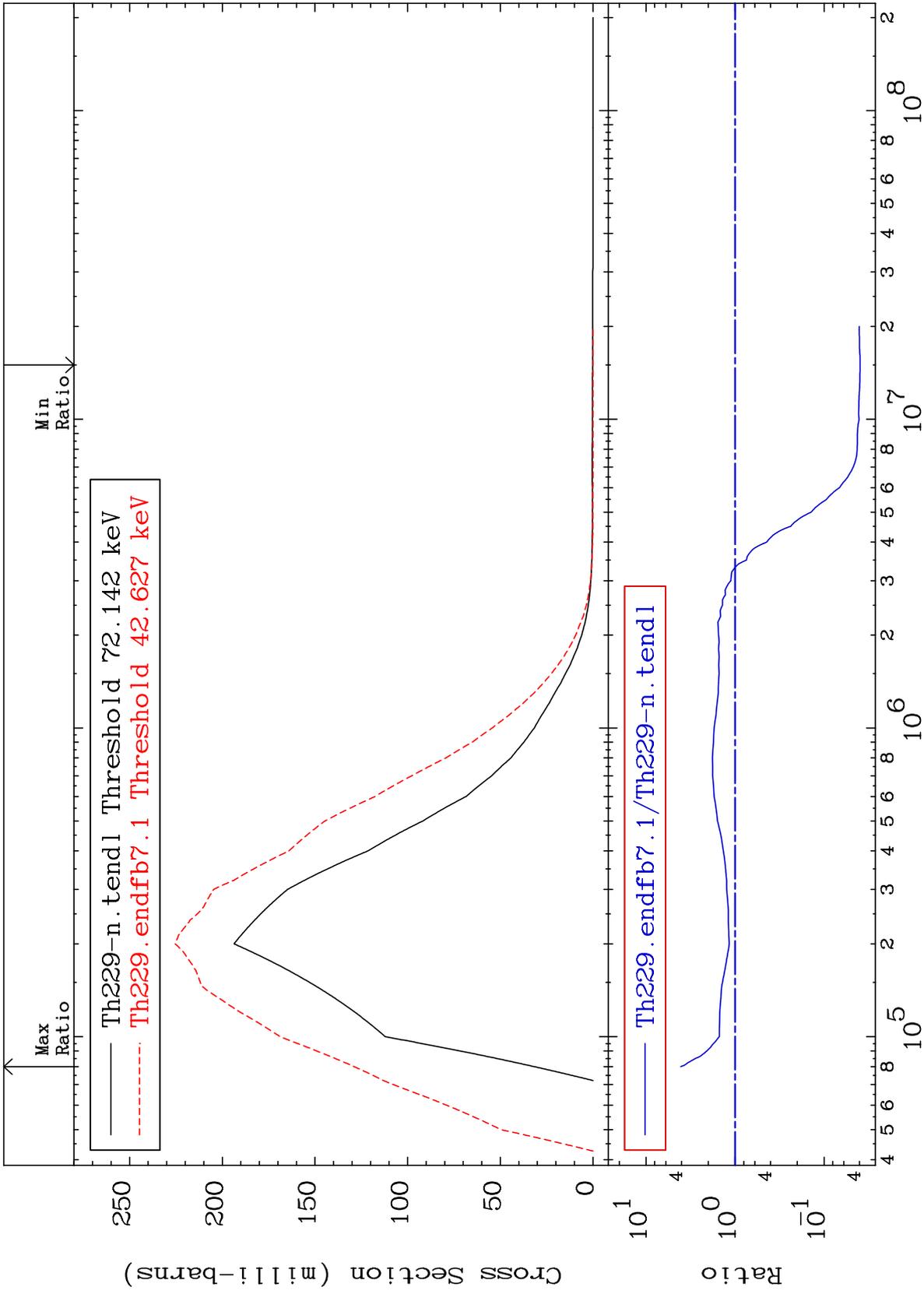
90-Th-229  
-98.35 To 94.43 %



MAT 9031

71.83 keV (n,n') Level  
Cross Section

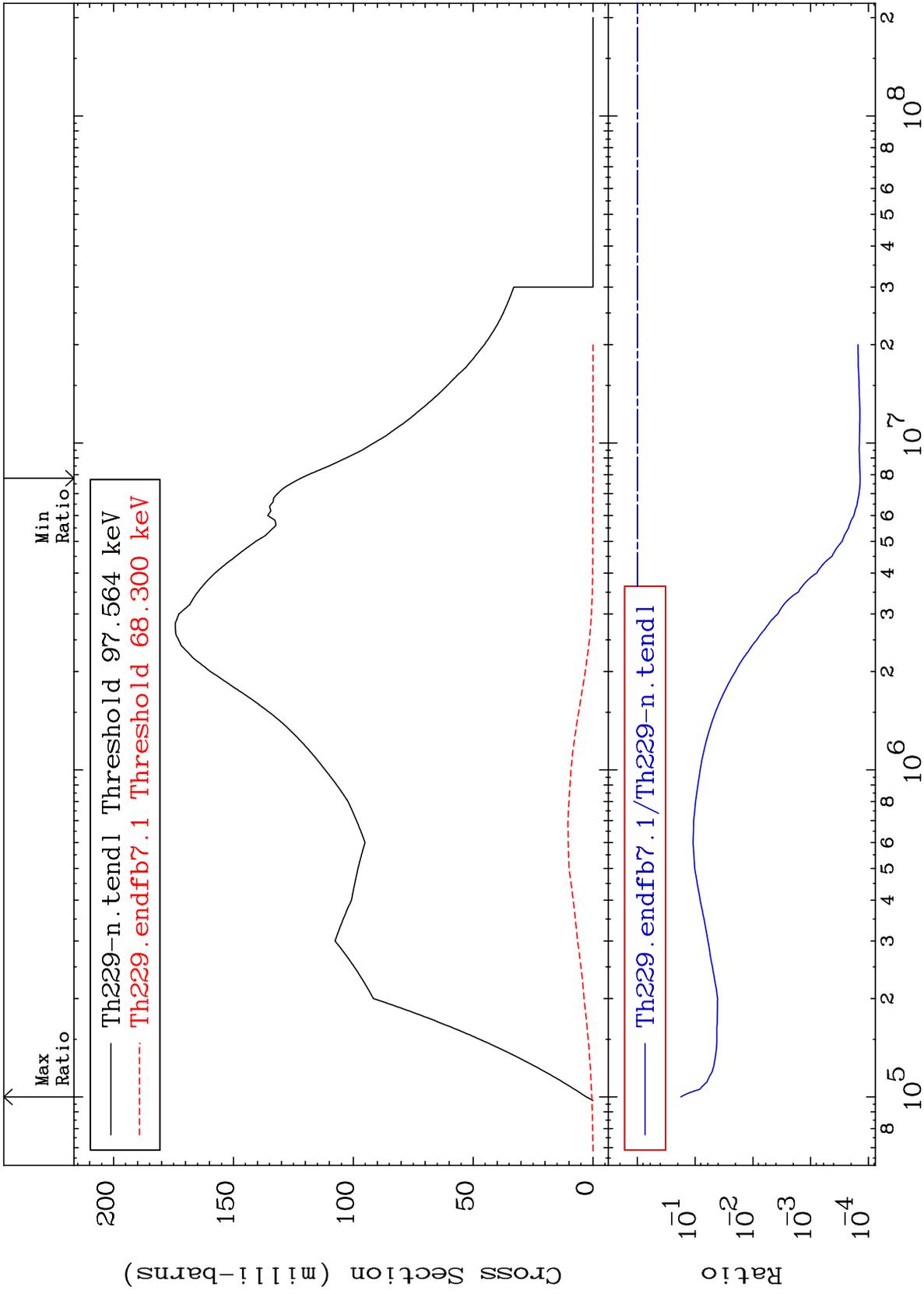
90-Th-229  
-96.06 To 307.5 %



MAT 9031

97.14 keV (n,n') Level  
Cross Section

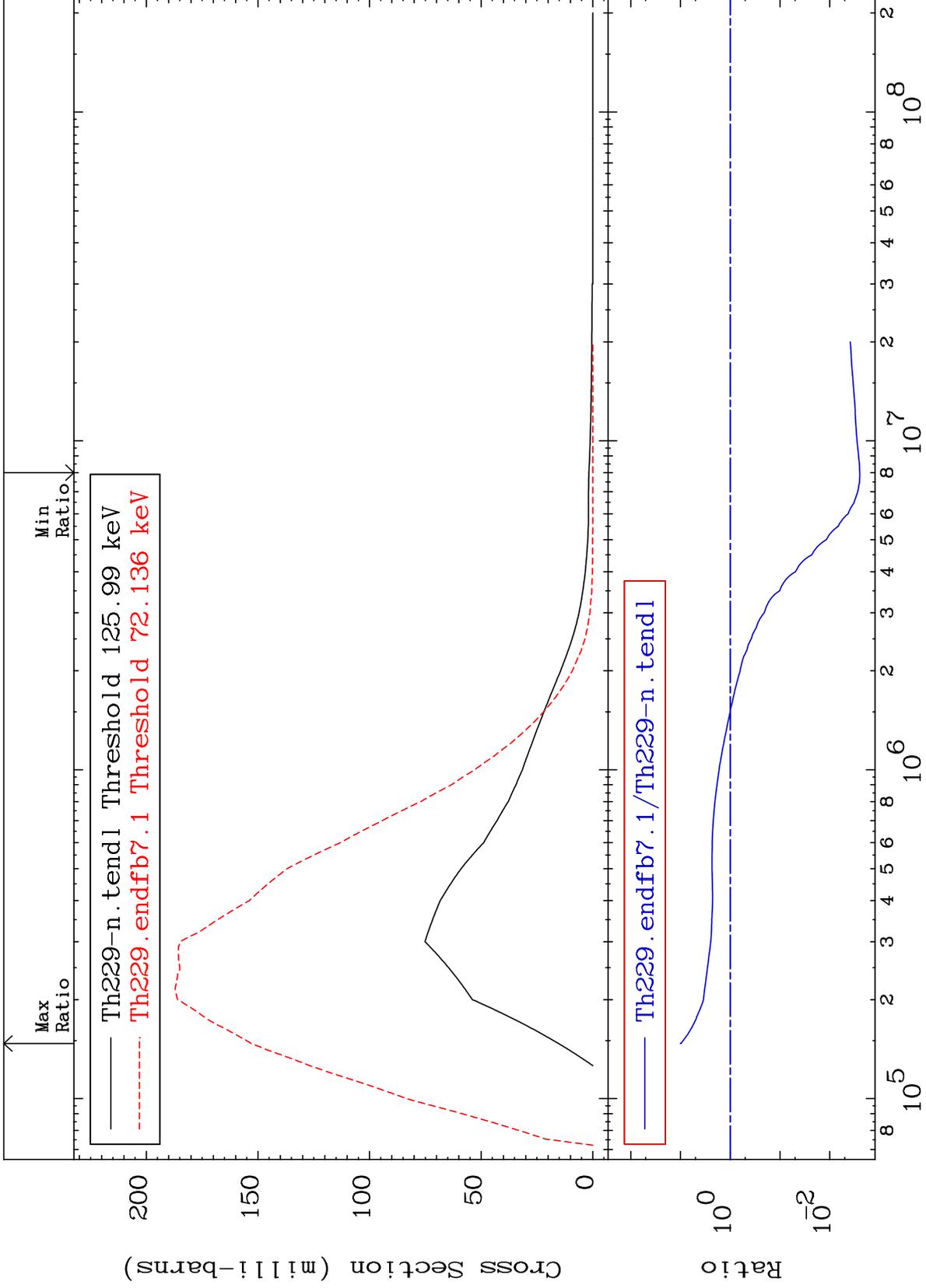
90-Th-229  
-99.99 To -82.27%



MAT 9031

125.4 keV (n,n') Level  
Cross Section

90-Th-229  
-99.75 To 898.7 %



17

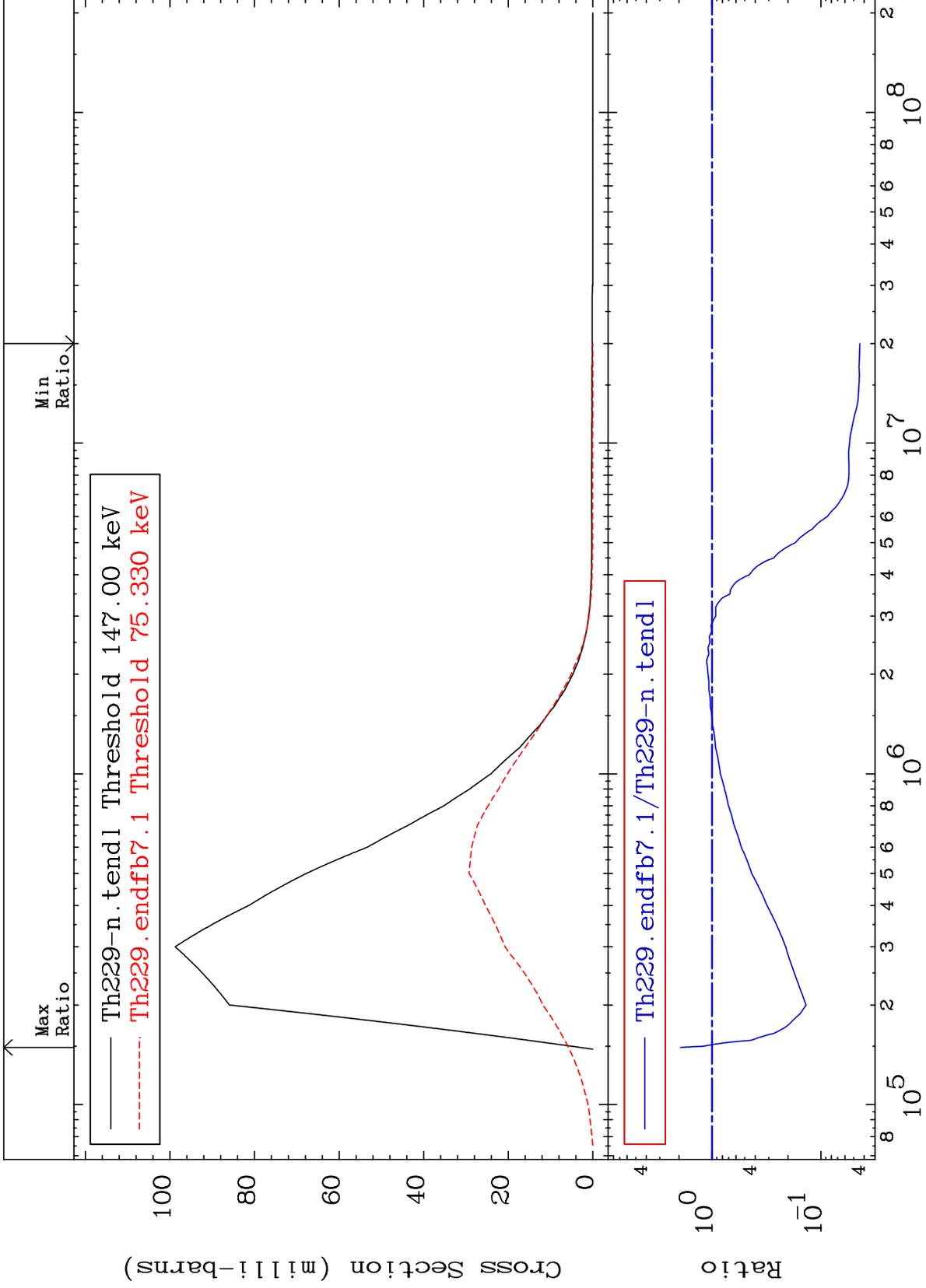
Incident Energy (eV)

90-Th-229

MAT 9031

146.4 keV (n,n') Level  
Cross Section

90-Th-229  
-95.61 To 94.06 %



18

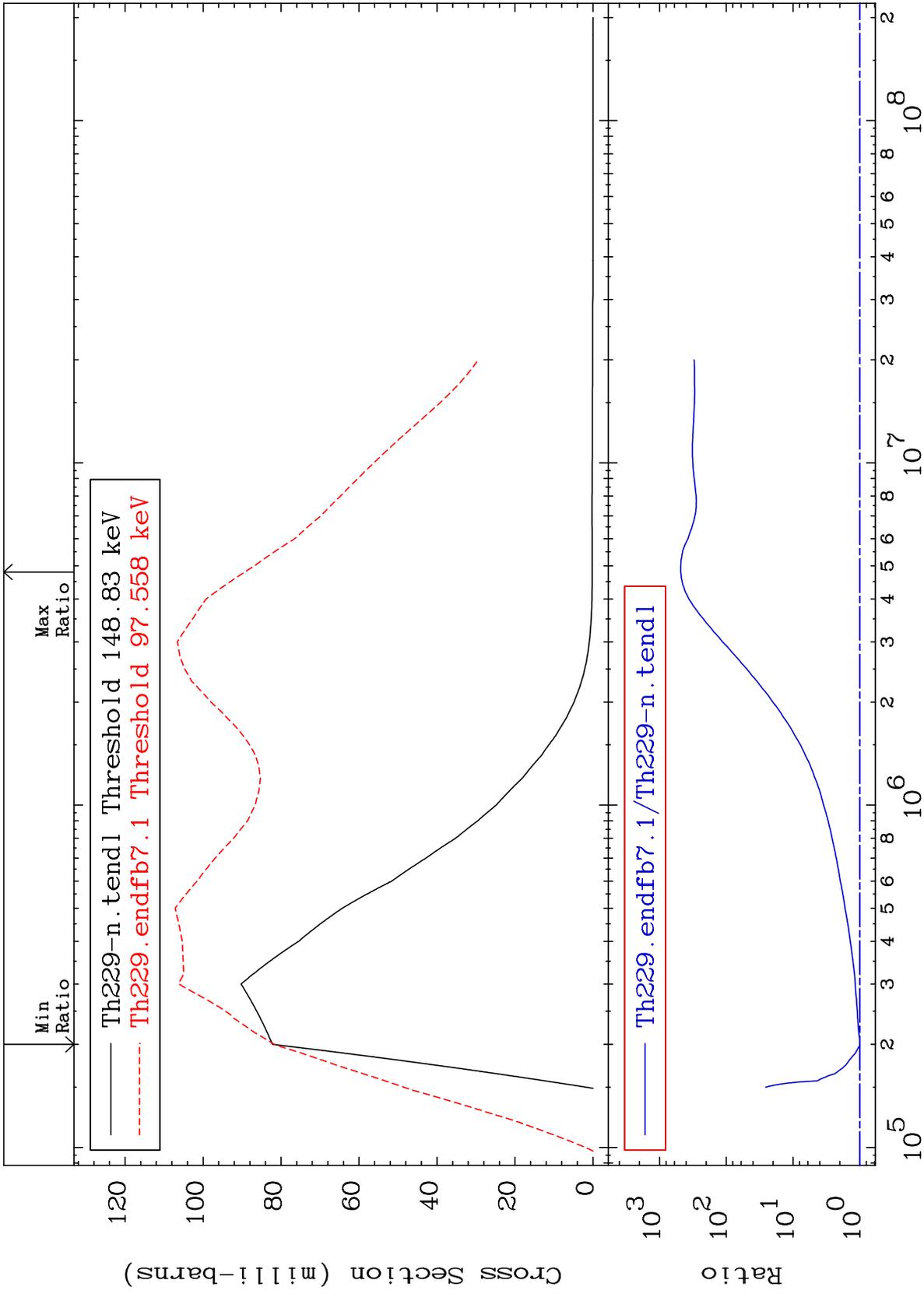
Incident Energy (eV)

90-Th-229

MAT 9031

148.2 keV (n,n') Level  
Cross Section

90-Th-229  
-0.626 To 9999. %



19

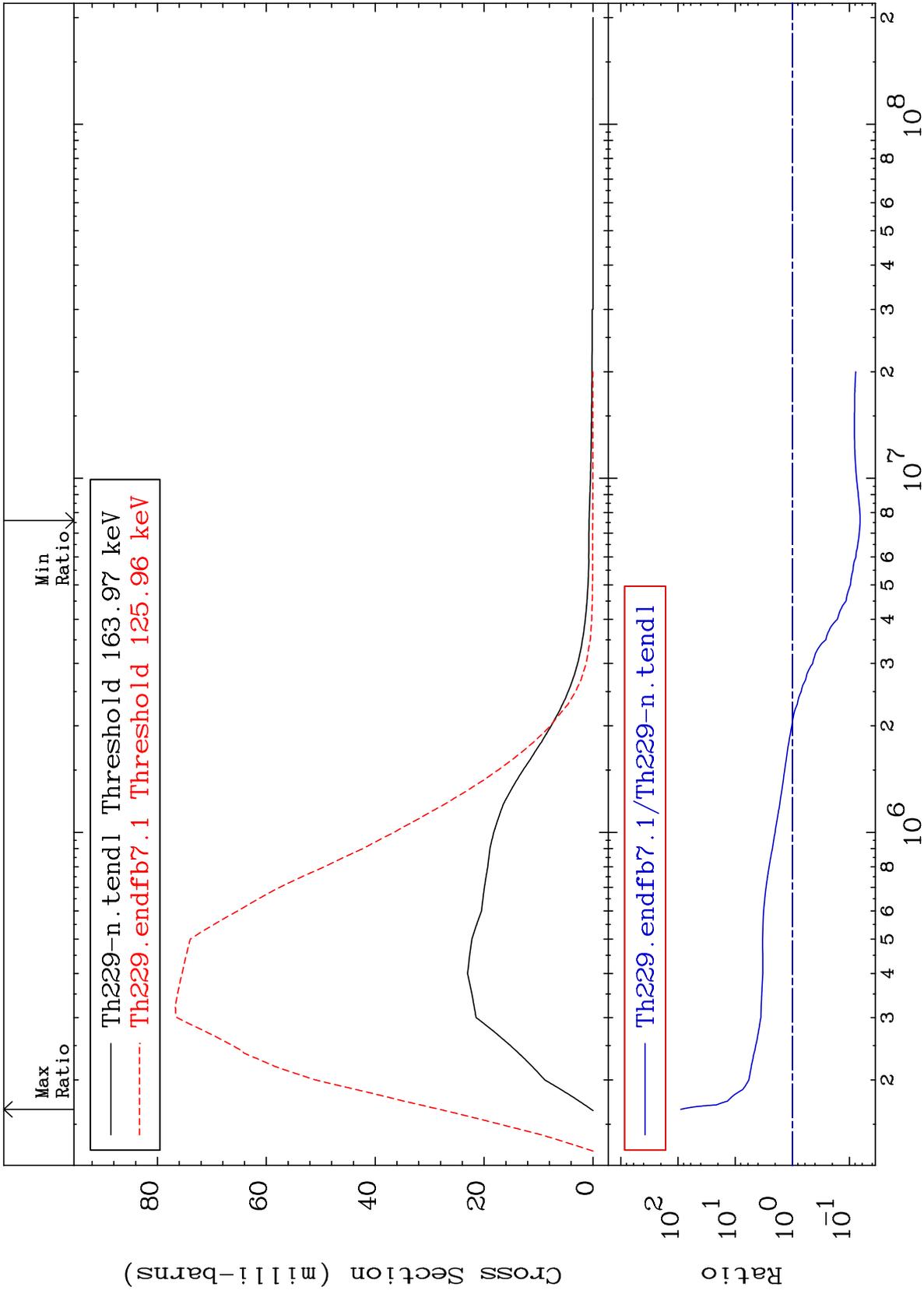
Incident Energy (eV)

90-Th-229

MAT 9031

163.3 keV (n,n') Level  
Cross Section

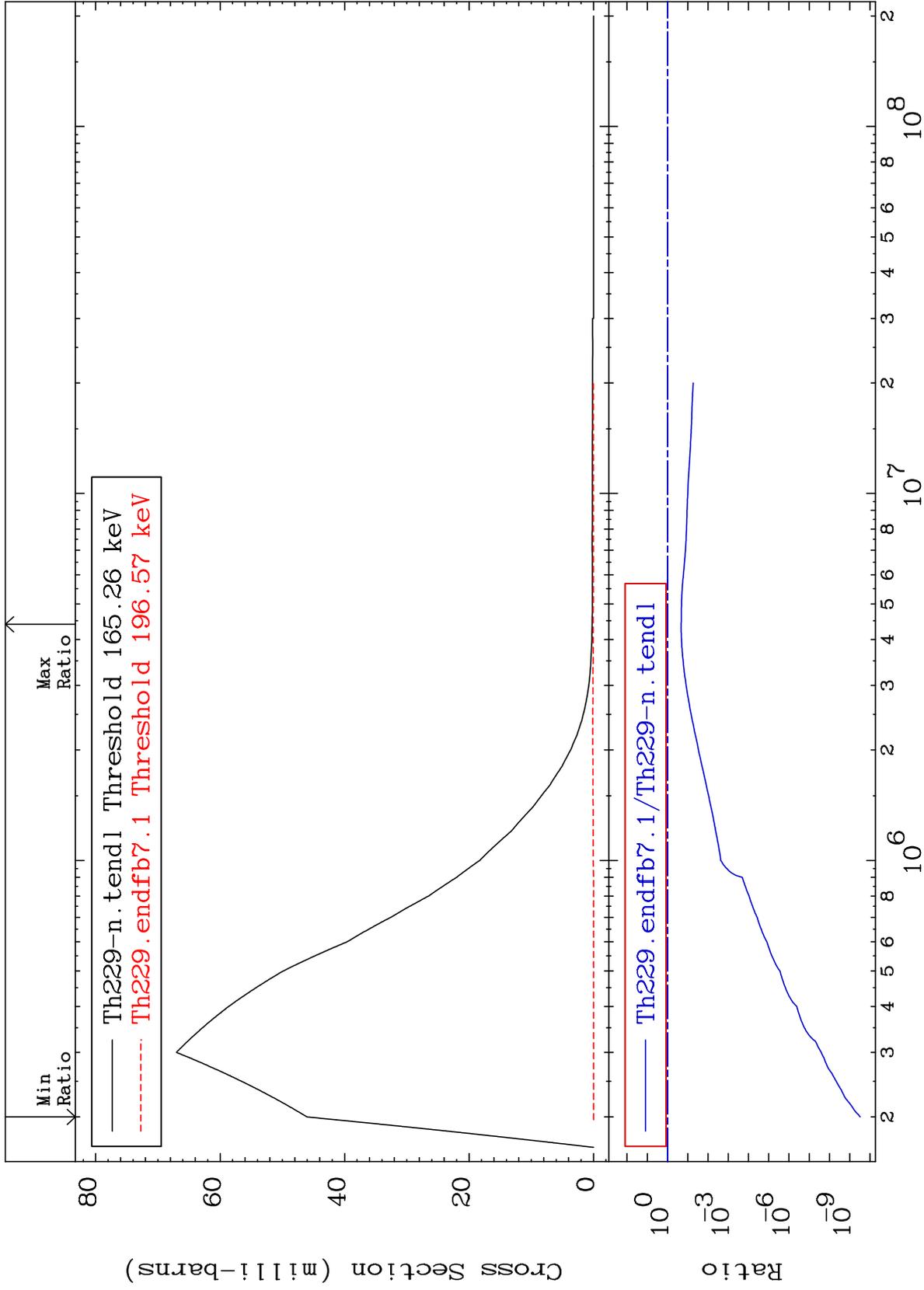
90-Th-229  
-93.48 To 8858. %



20

90-Th-229

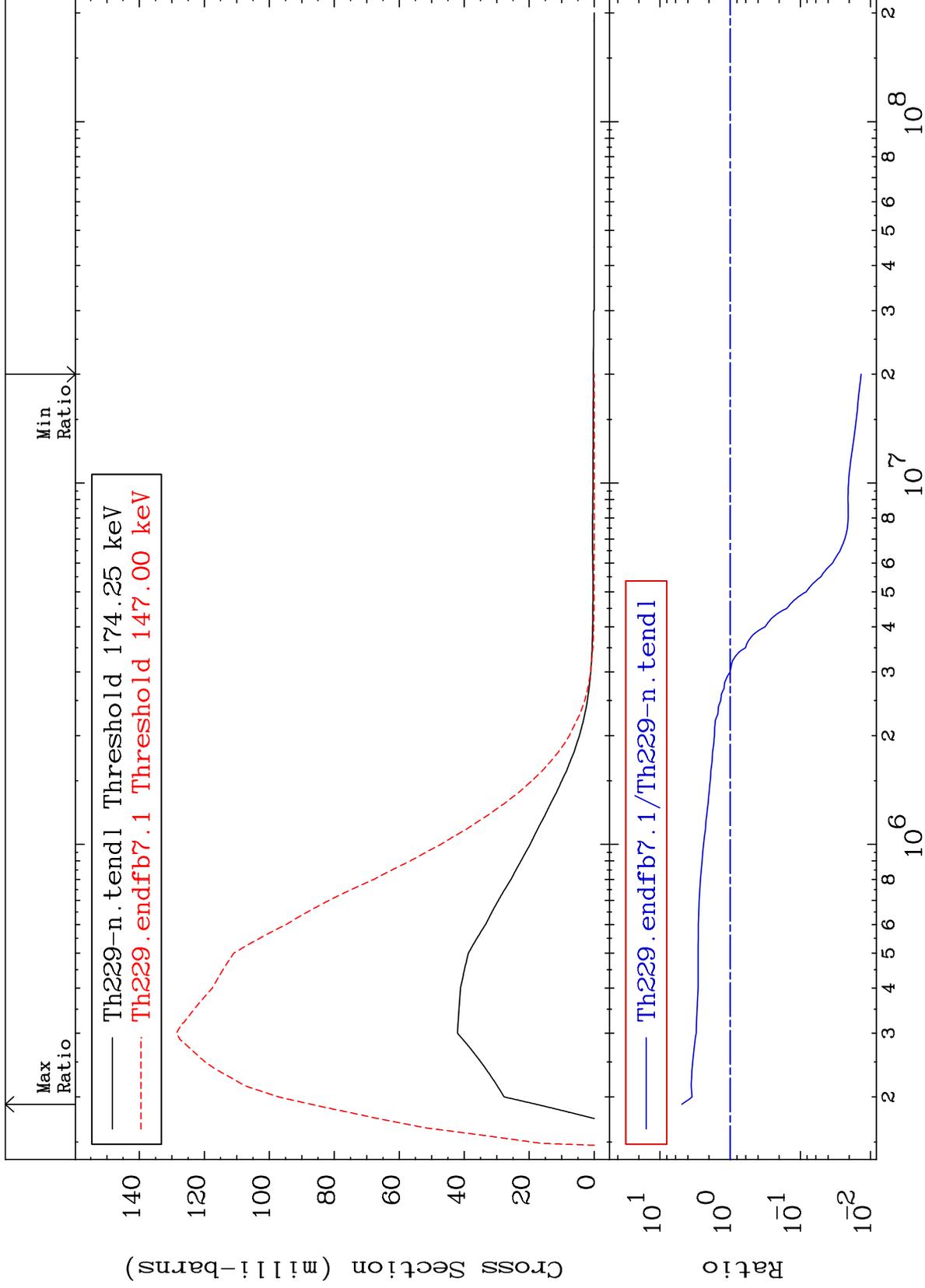
MAT 9031 164.5 keV (n,n') Level 90-Th-229  
 Cross Section -100.0 To -78.87%



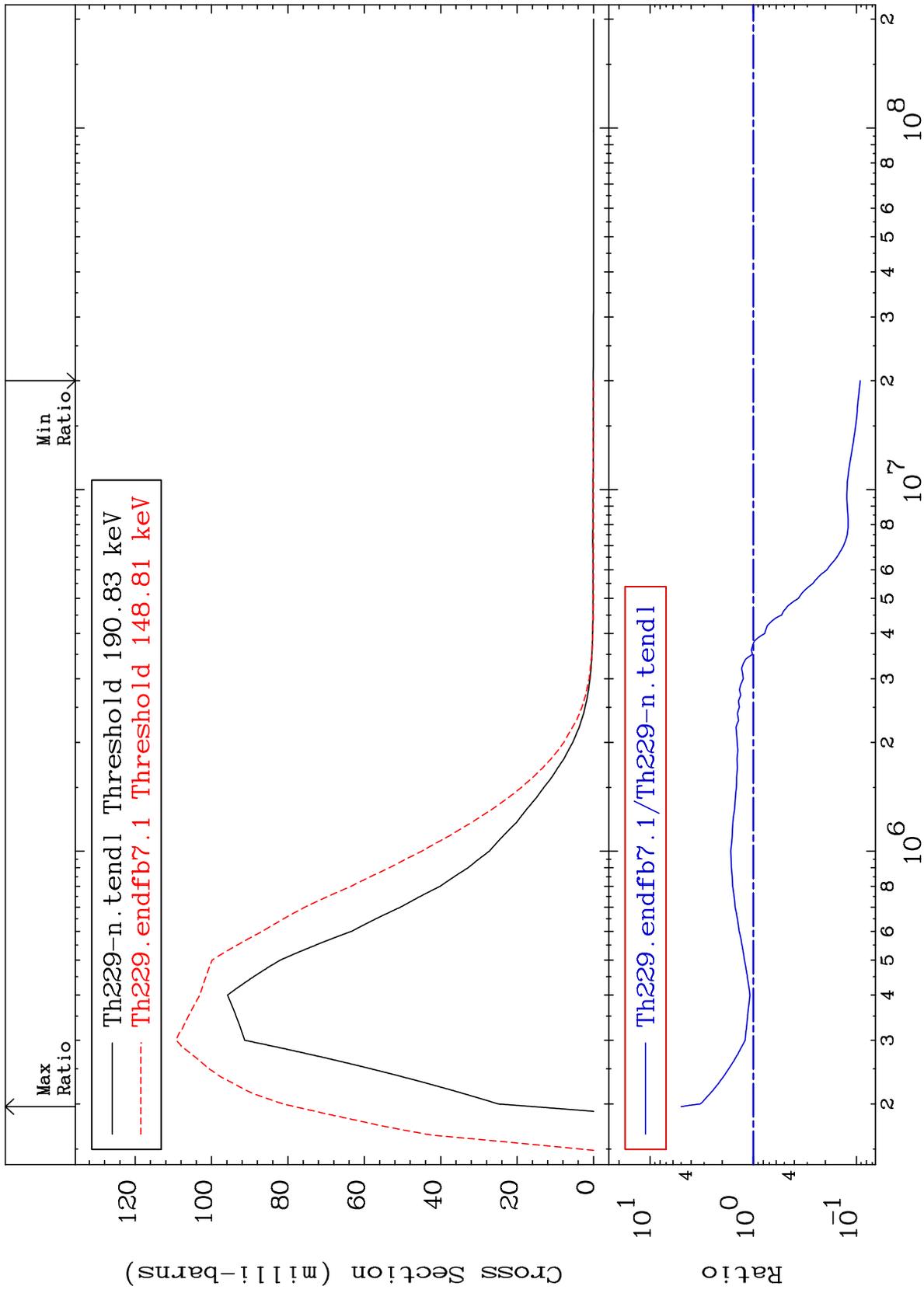
MAT 9031

173.5 keV (n,n') Level  
Cross Section

90-Th-229  
-98.64 To 387.9 %



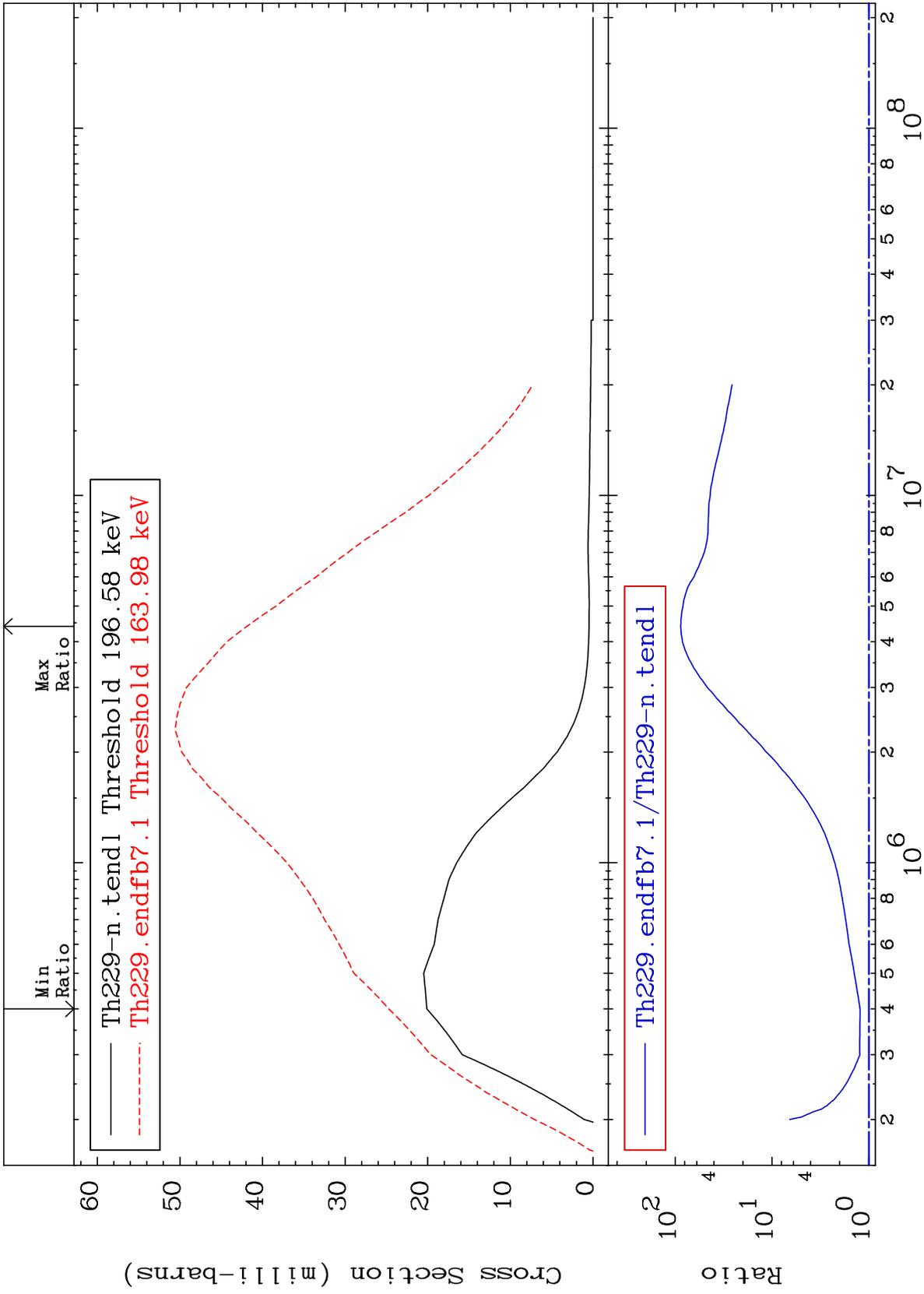
MAT 9031 190.0 keV (n,n') Level 90-Th-229  
 Cross Section -90.81 To 399.3 %



MAT 9031

195.7 keV (n,n') Level  
Cross Section

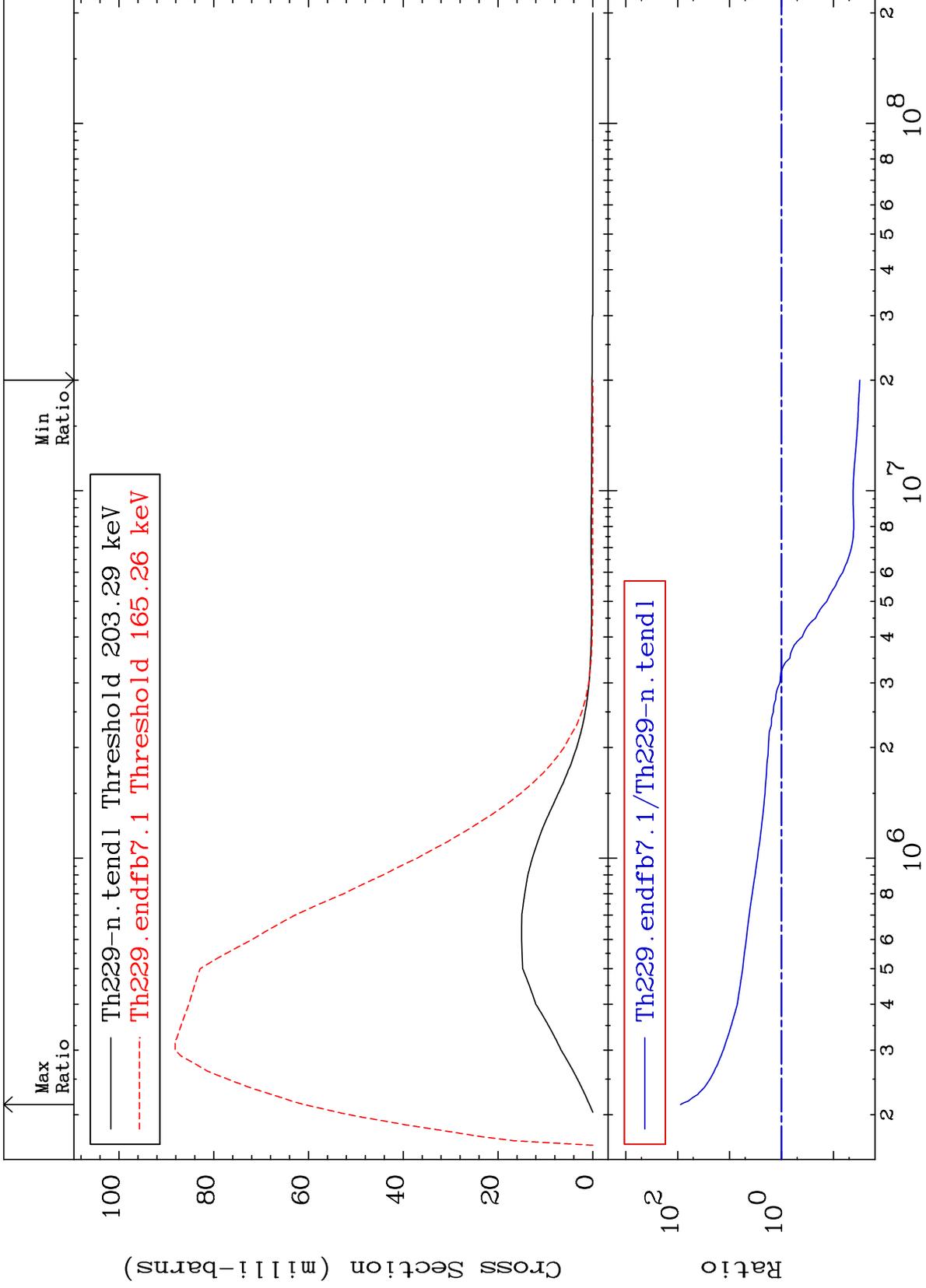
90-Th-229  
22.99 To 8692. %



MAT 9031

202.4 keV (n,n') Level  
Cross Section

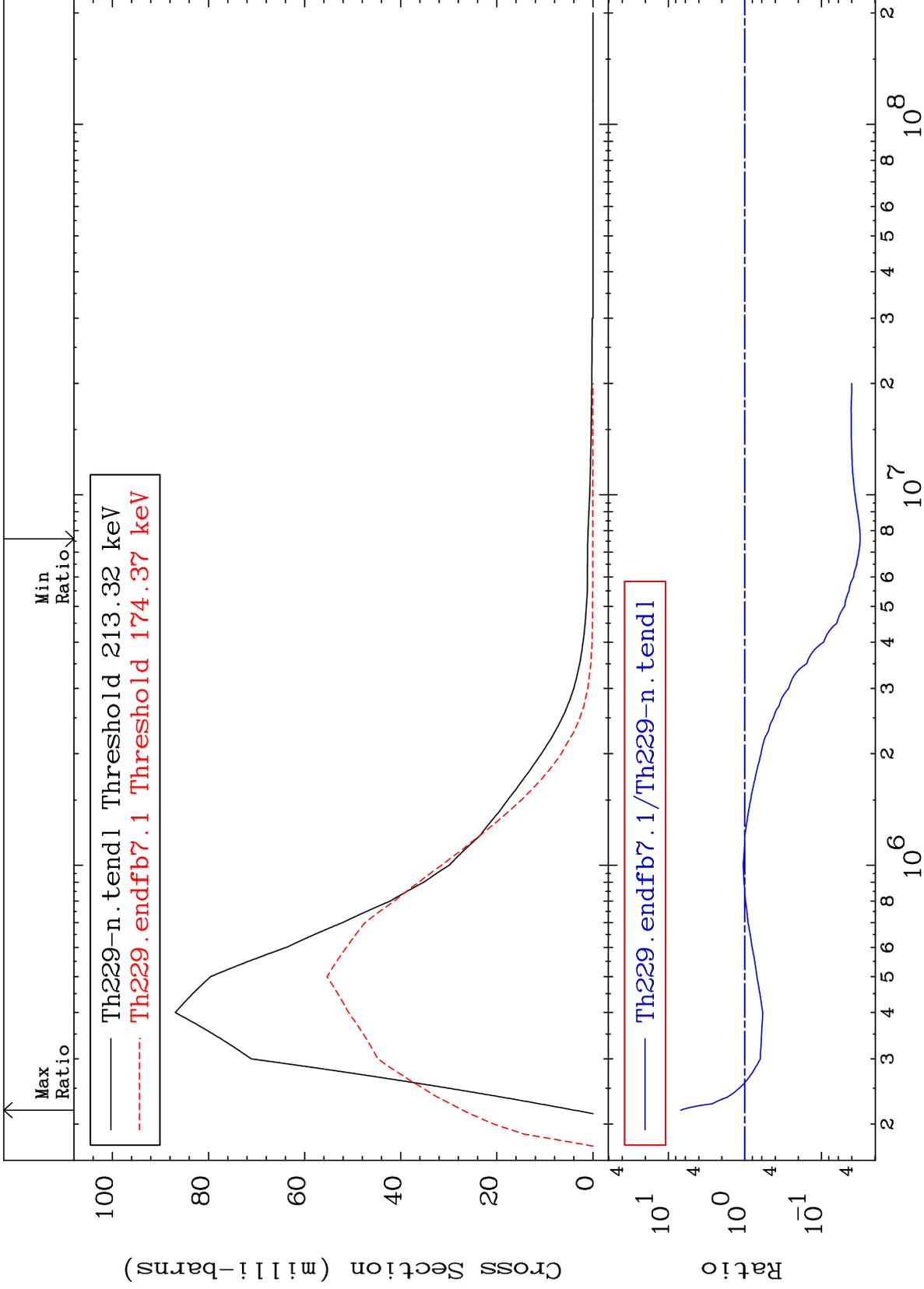
90-Th-229  
-96.88 To 8712. %



MAT 9031

212.4 keV (n,n') Level  
Cross Section

90-Th-229  
-96.88 To 588.8 %



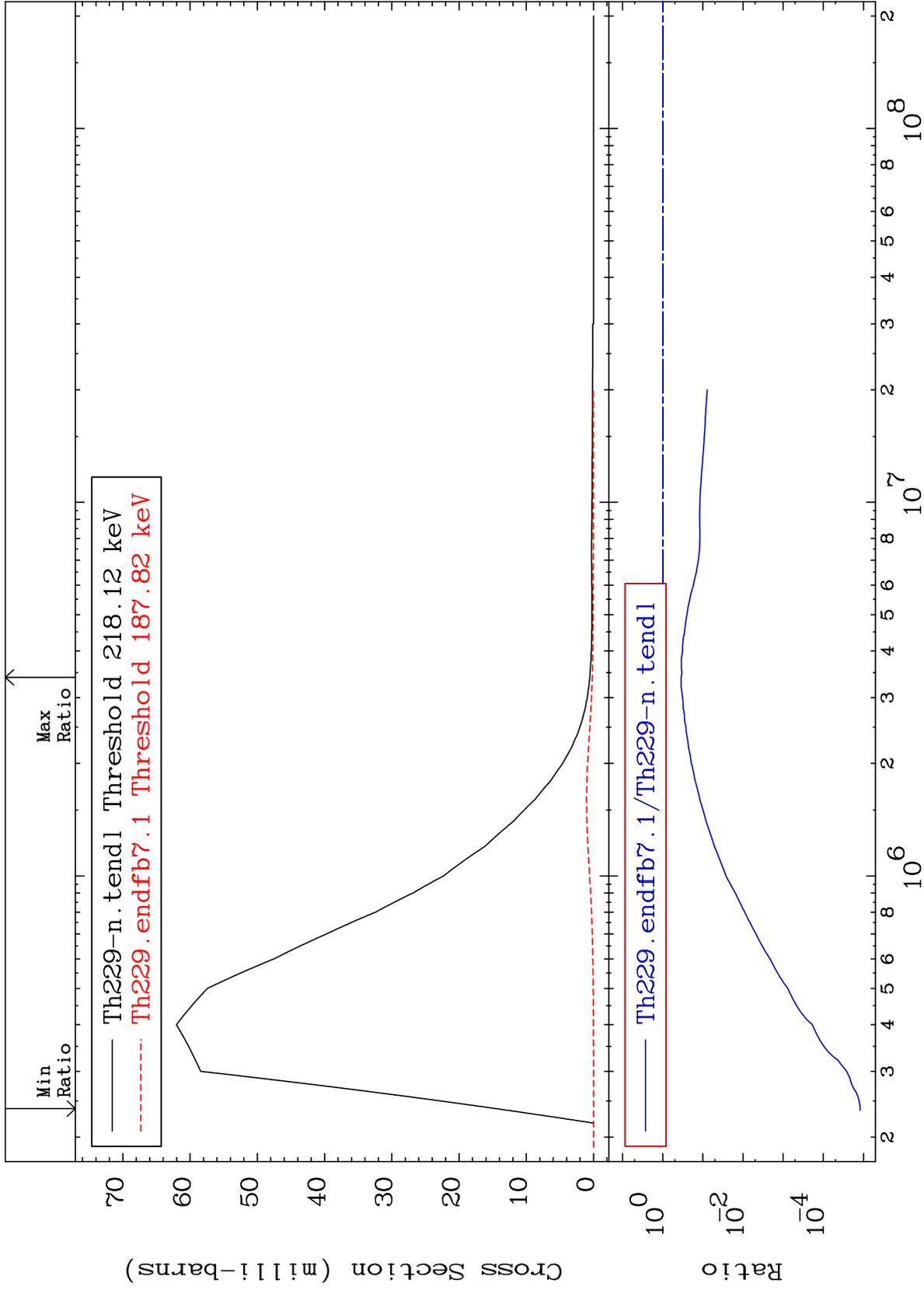
MAT 9031

217.2 keV (n,n') Level

90-Th-229

Cross Section

-100.0 To -65.35%



27

Incident Energy (eV)

90-Th-229

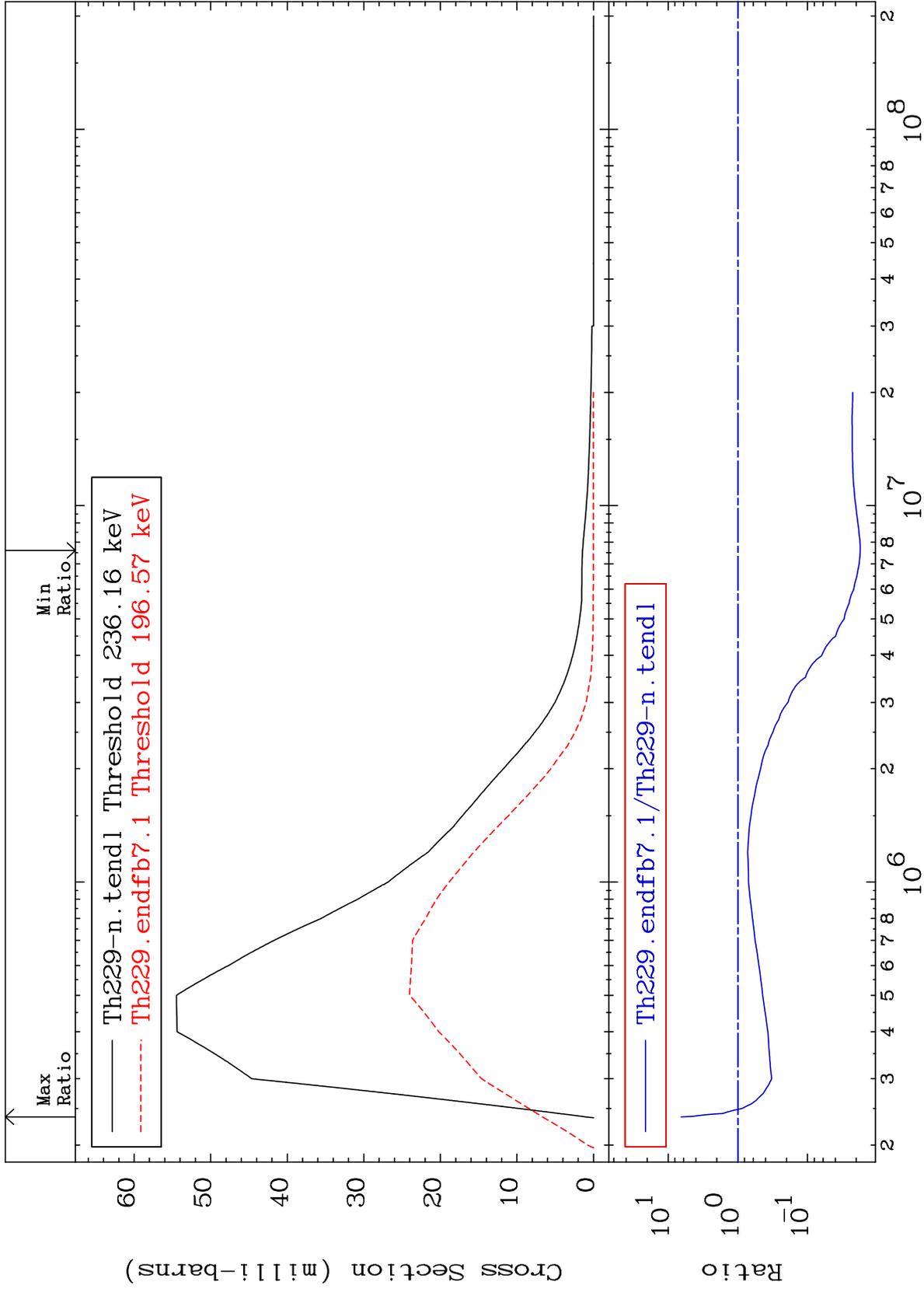
MAT 9031

235.1 keV (n,n') Level

90-Th-229

-98.24 To 549.8 %

Cross Section



28

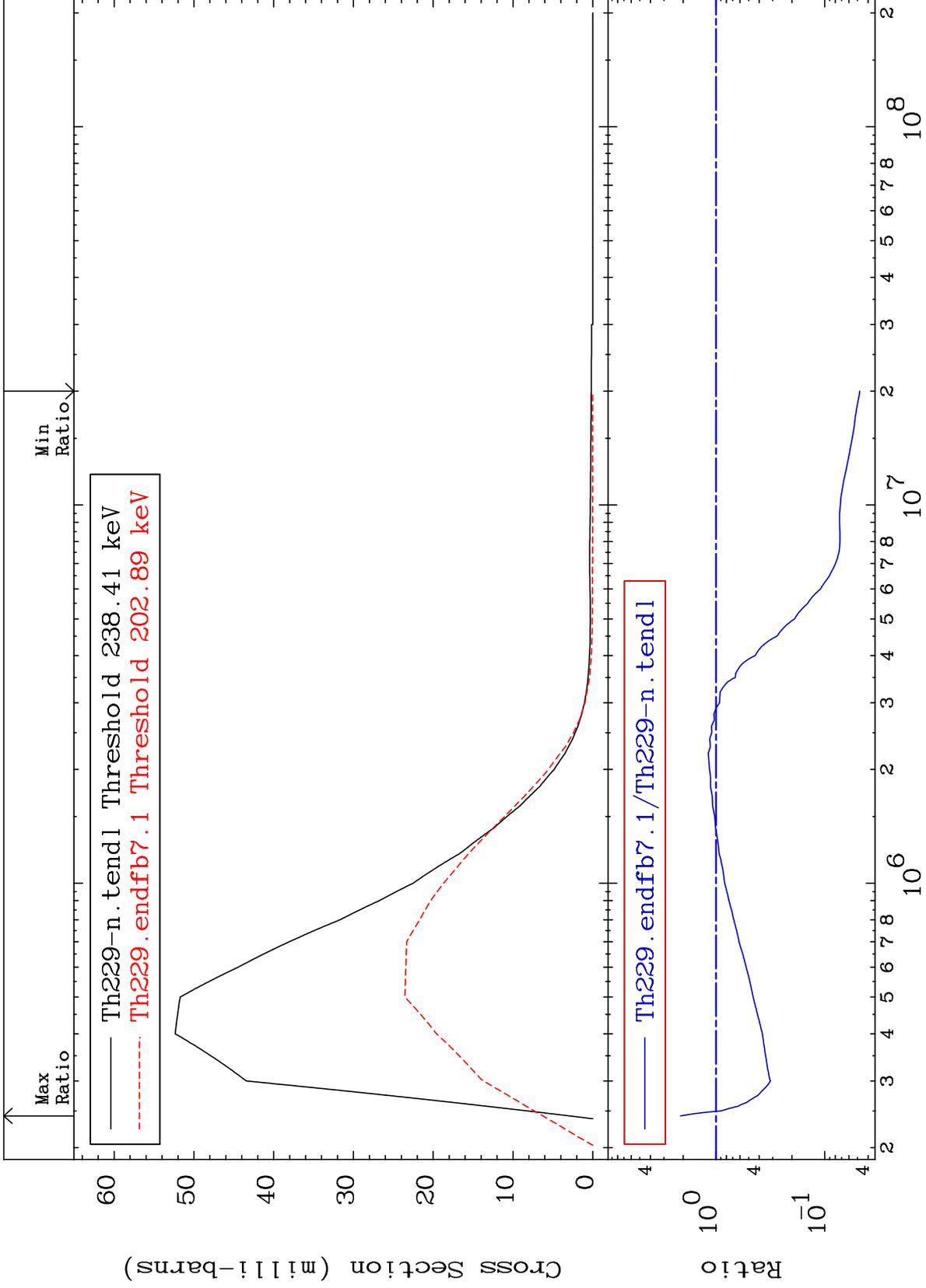
Incident Energy (eV)

90-Th-229

MAT 9031

237.4 keV (n,n') Level  
Cross Section

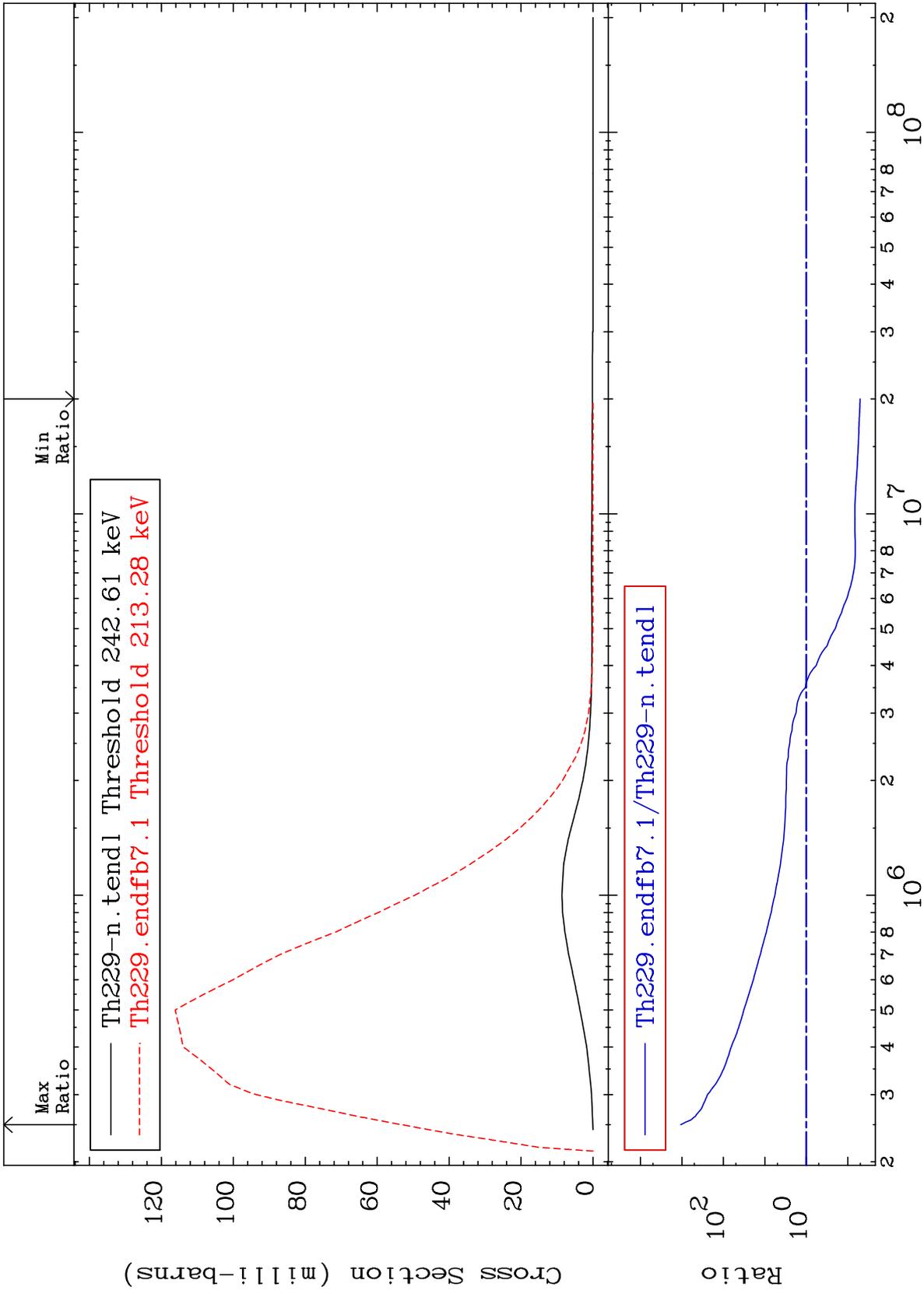
90-Th-229  
-95.23 To 111.2 %



MAT 9031

241.5 keV (n,n') Level  
Cross Section

90-Th-229  
-94.95 To 9999. %



30

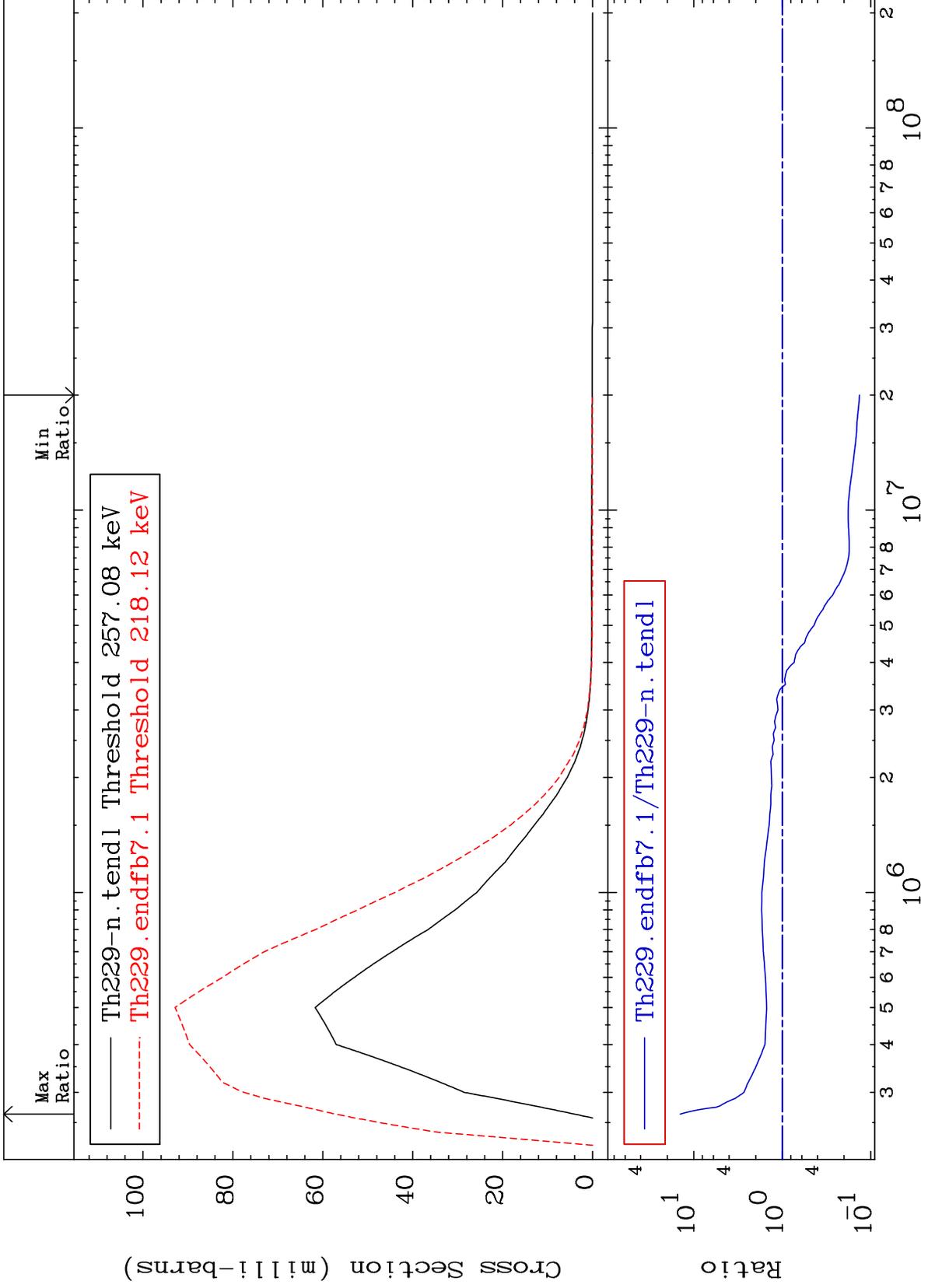
Incident Energy (eV)

90-Th-229

MAT 9031

256.0 keV (n,n') Level  
Cross Section

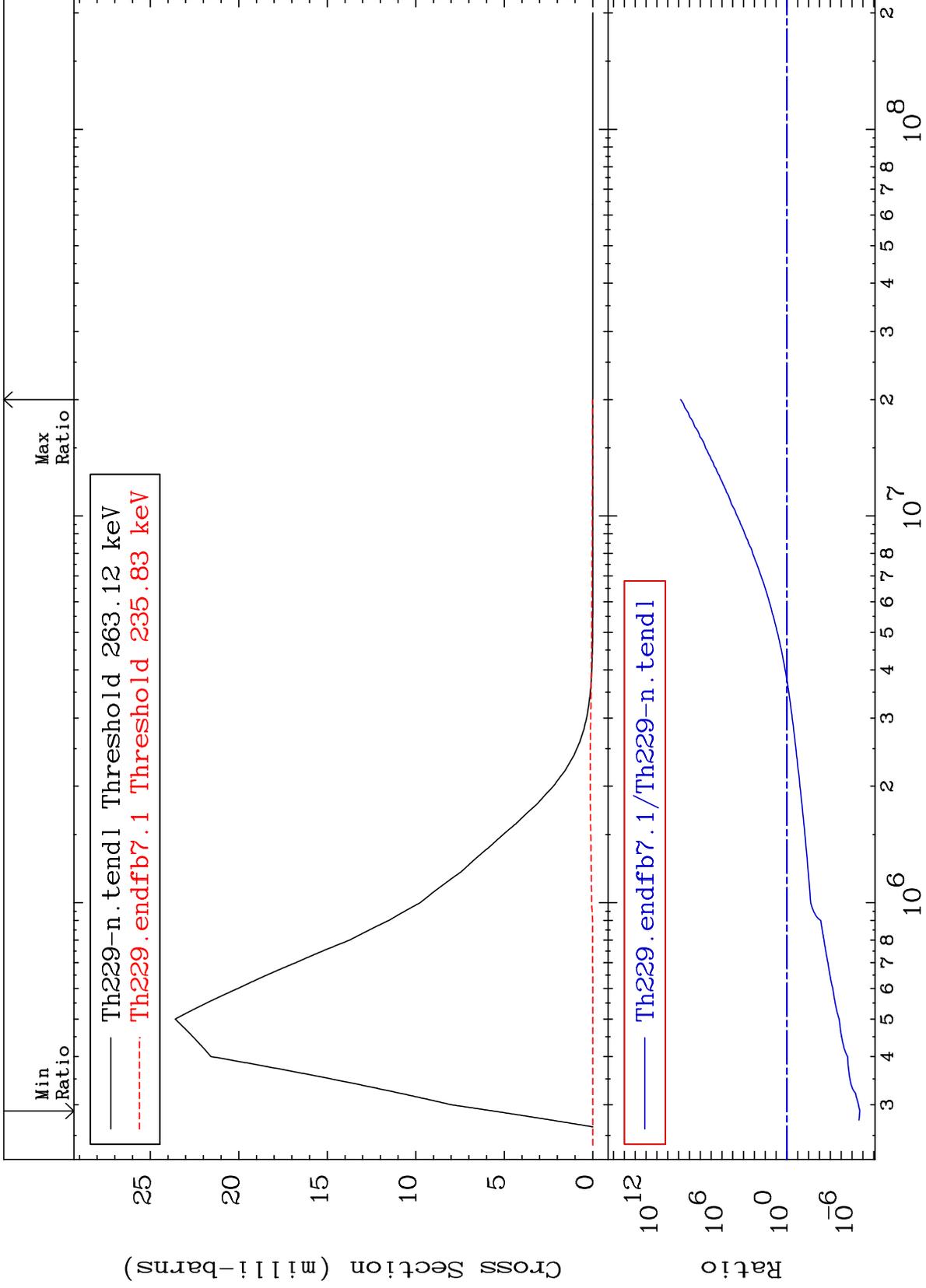
90-Th-229  
-86.60 To 1325. %



MAT 9031

262.0 keV (n,n') Level  
Cross Section

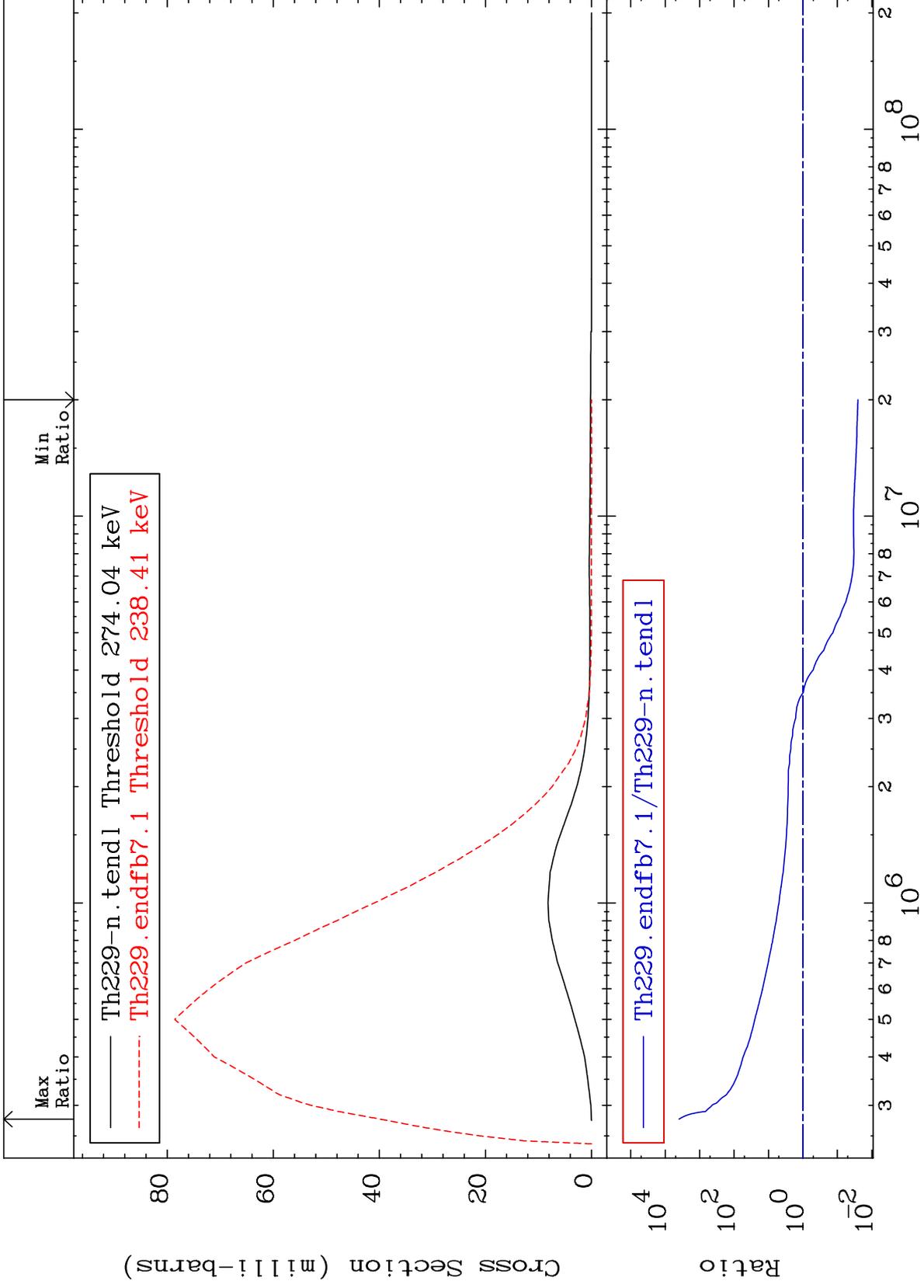
90-Th-229  
-100.0 To 9999. %



MAT 9031

272.8 keV (n,n') Level  
Cross Section

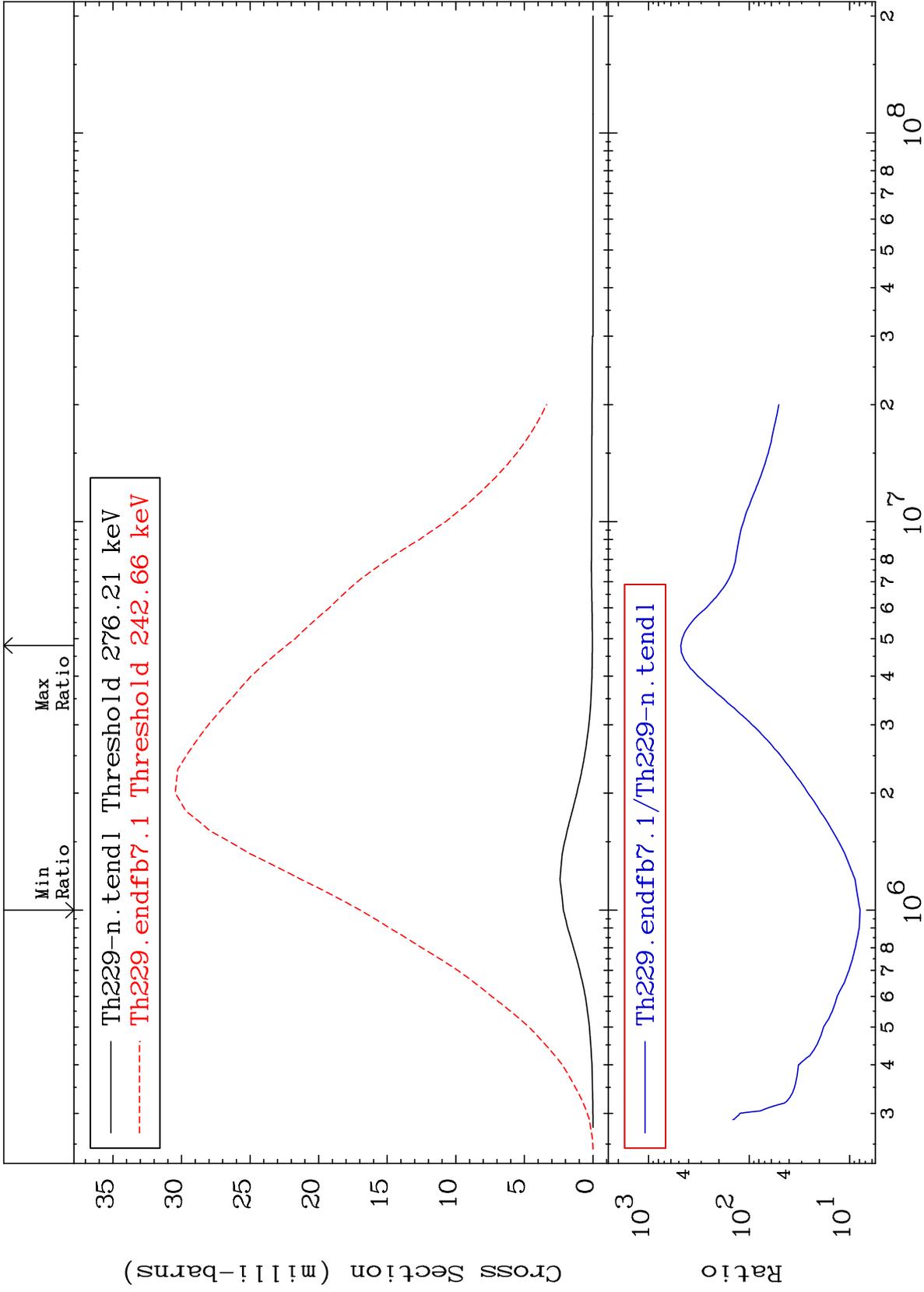
90-Th-229  
-97.47 To 9999. %



MAT 9031

275.0 keV (n,n') Level  
Cross Section

687.8 To 9999. %  
90-Th-229



34

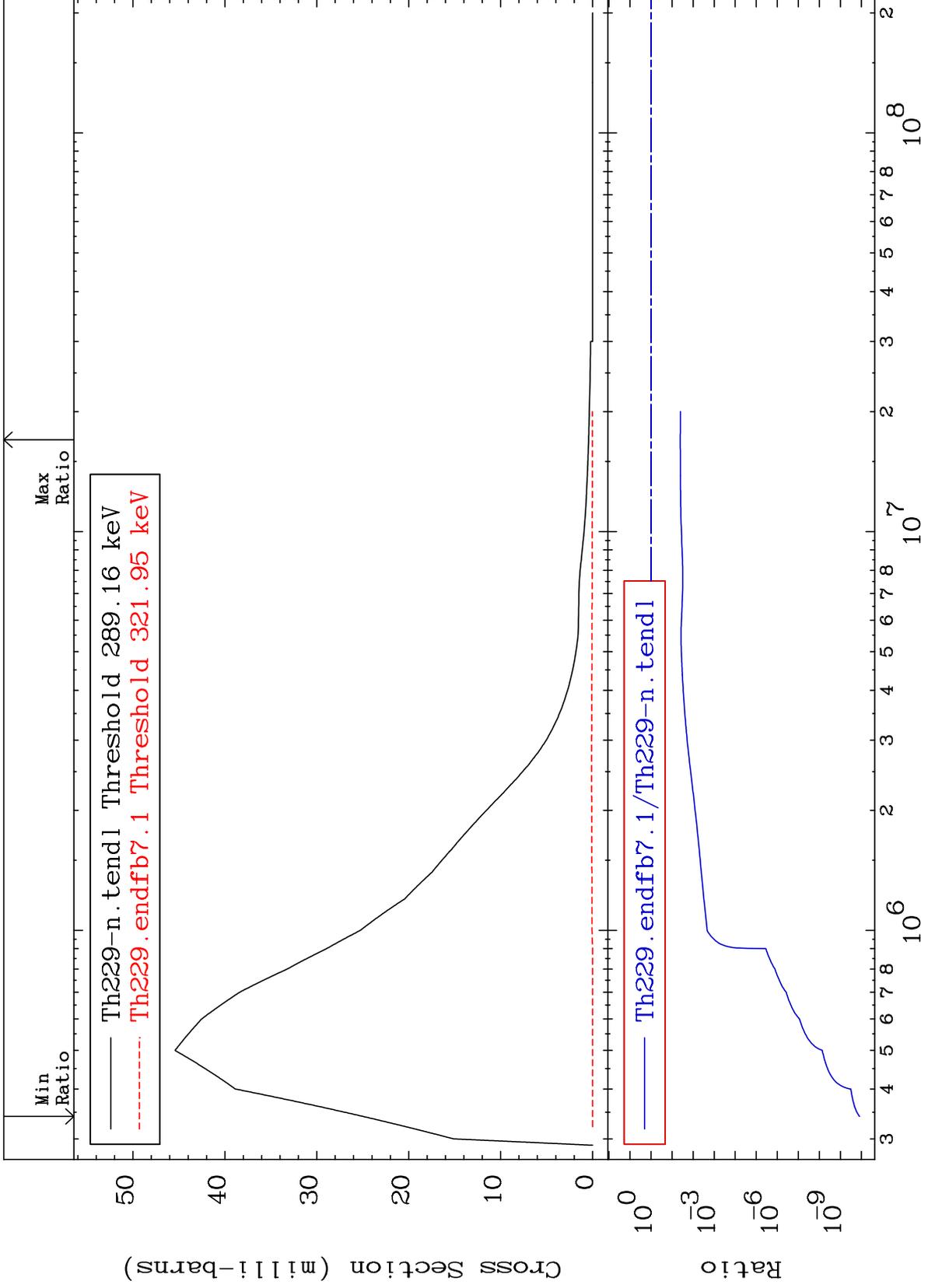
Incident Energy (eV)

90-Th-229

MAT 9031

287.9 keV (n,n') Level  
Cross Section

90-Th-229  
-100.0 To -95.92%



35

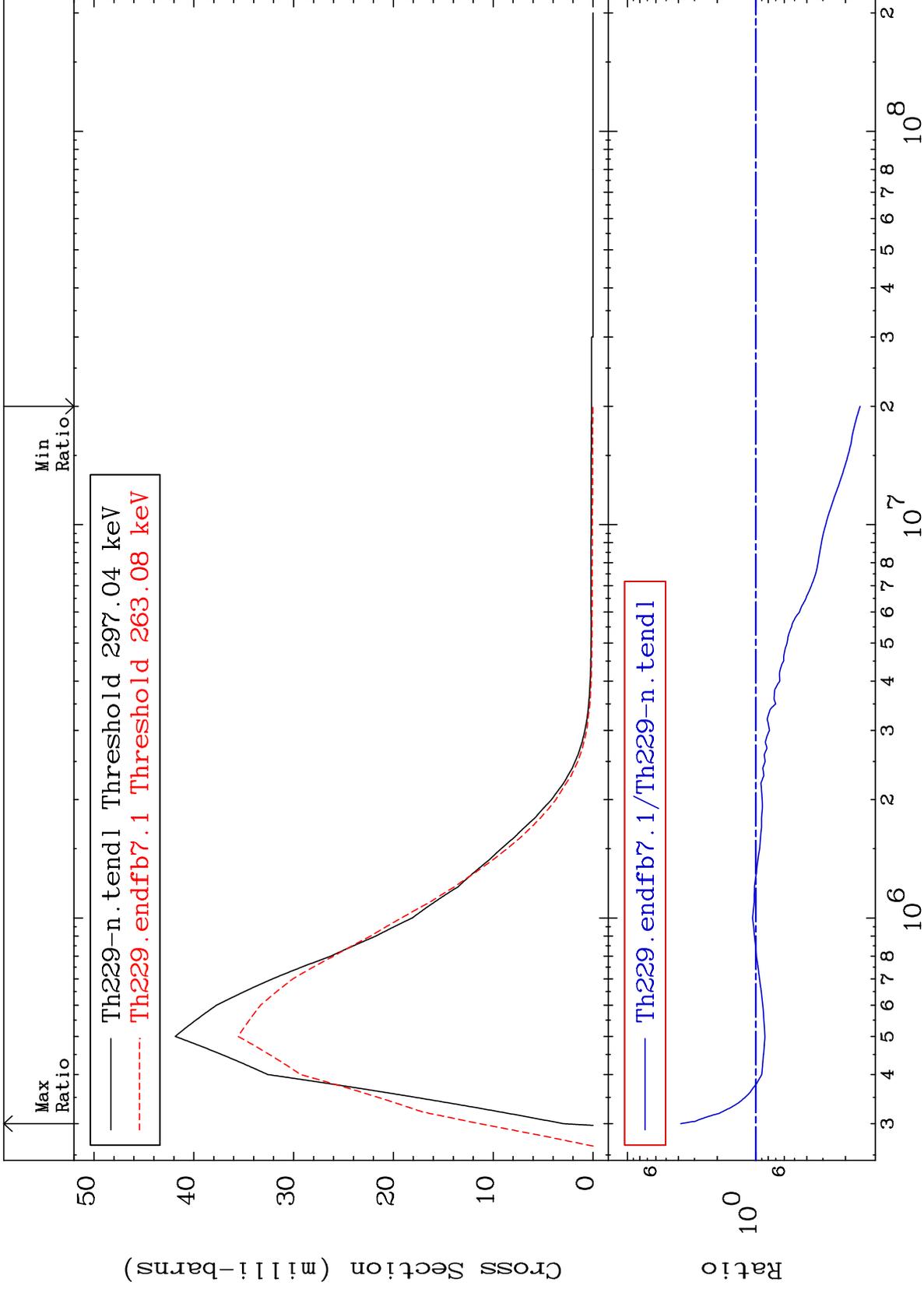
90-Th-229

90-Th-229

MAT 9031

295.7 keV (n,n') Level  
Cross Section

90-Th-229  
-84.59 To 284.2 %



36

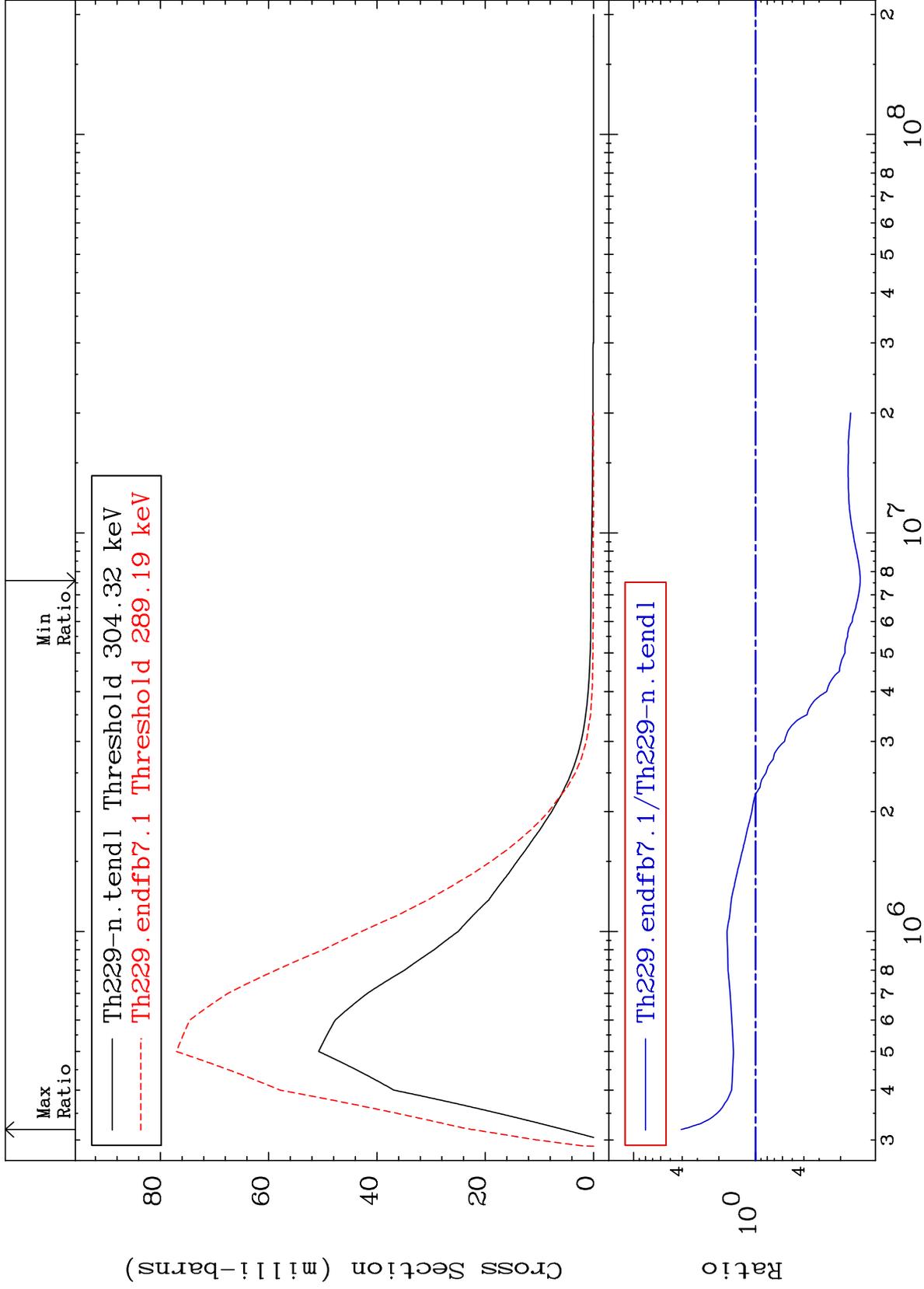
90-Th-229

90-Th-229

MAT 9031

303.0 keV (n,n') Level  
Cross Section

90-Th-229  
-86.16 To 307.1 %



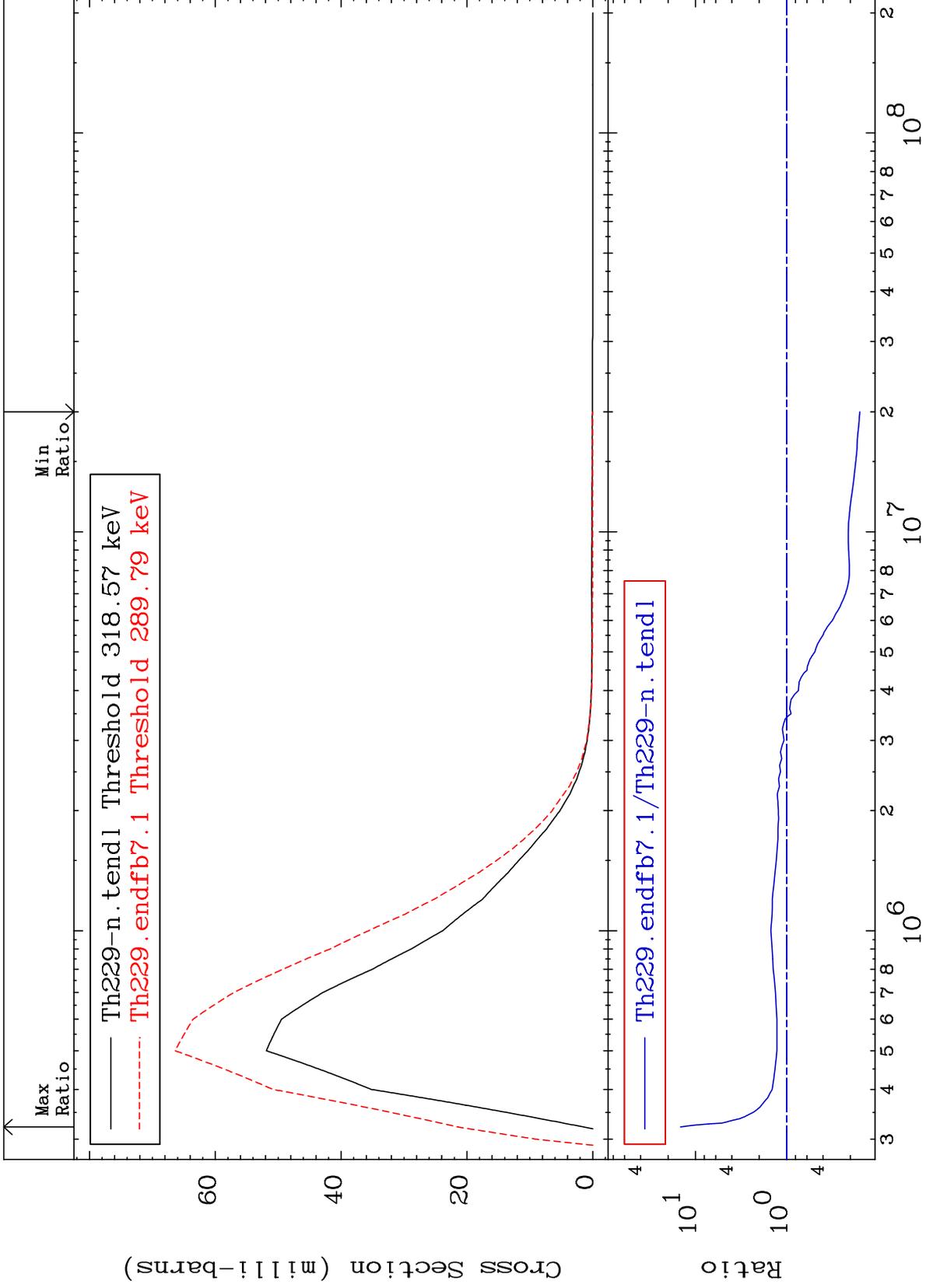
37

90-Th-229

MAT 9031

317.2 keV (n,n') Level  
Cross Section

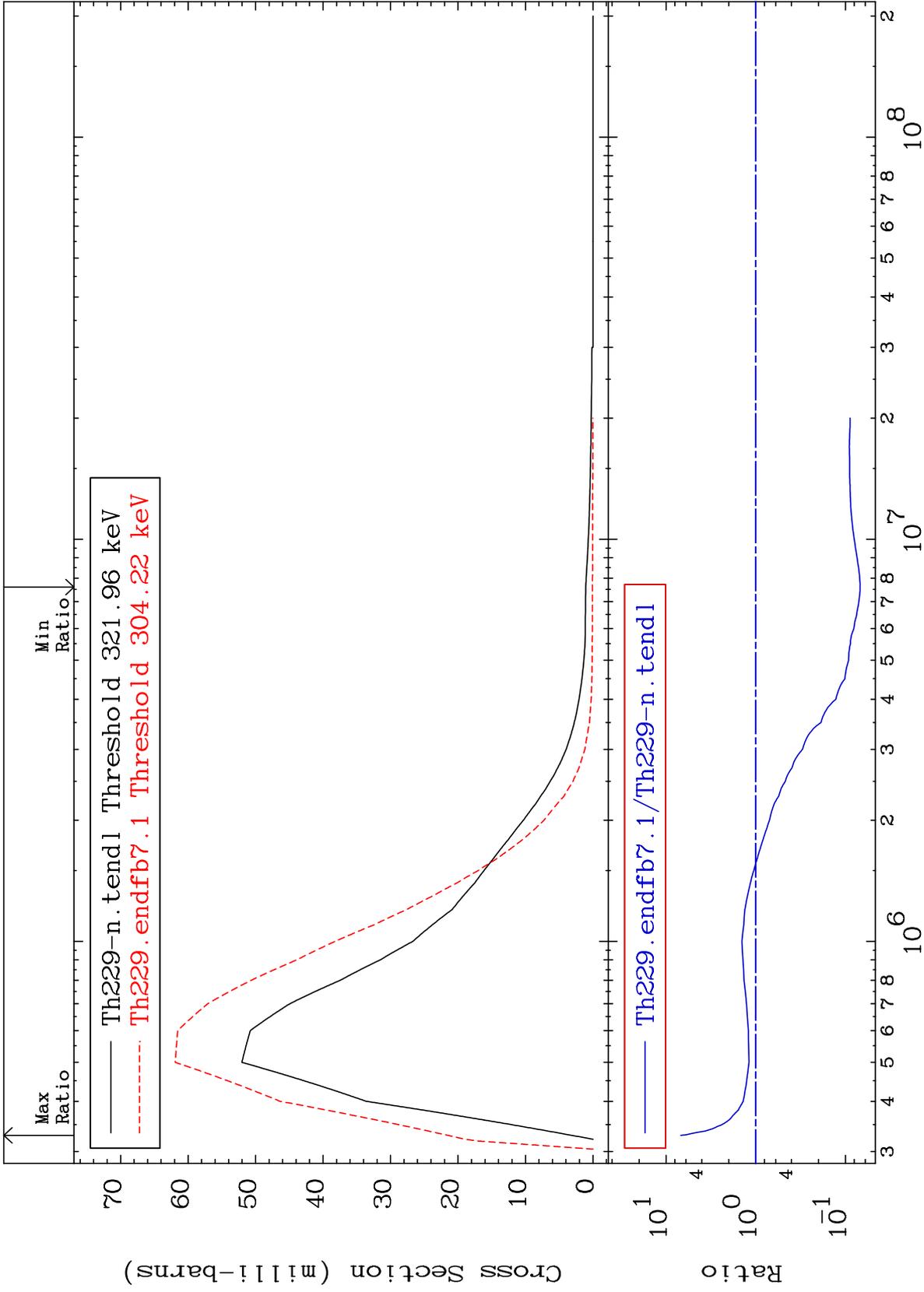
90-Th-229  
-84.20 To 1361. %



MAT 9031

320.5 keV (n,n') Level  
Cross Section

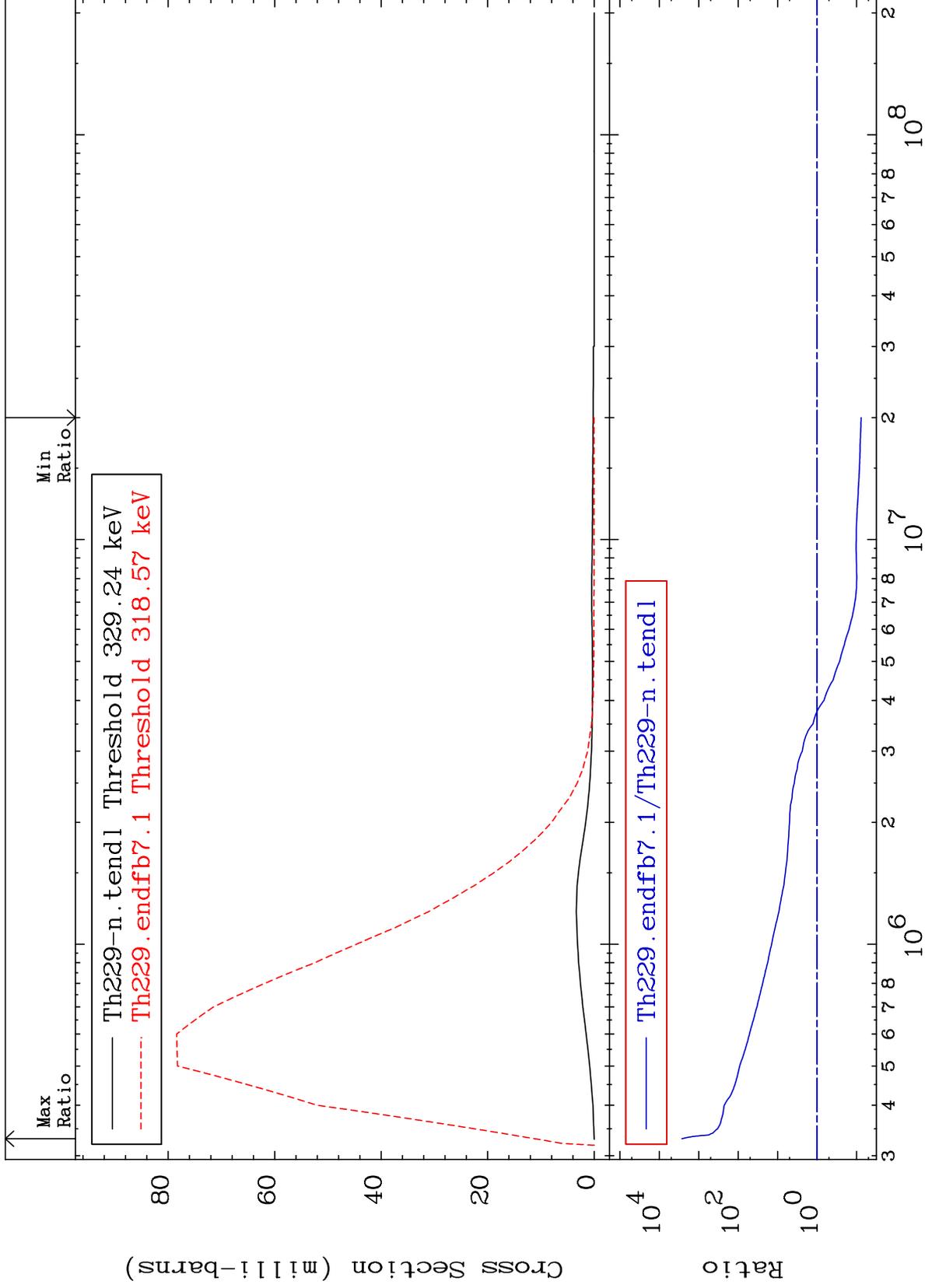
90-Th-229  
-93.13 To 586.1 %



MAT 9031

327.8 keV (n,n') Level  
Cross Section

90-Th-229  
-92.33 To 9999. %



40

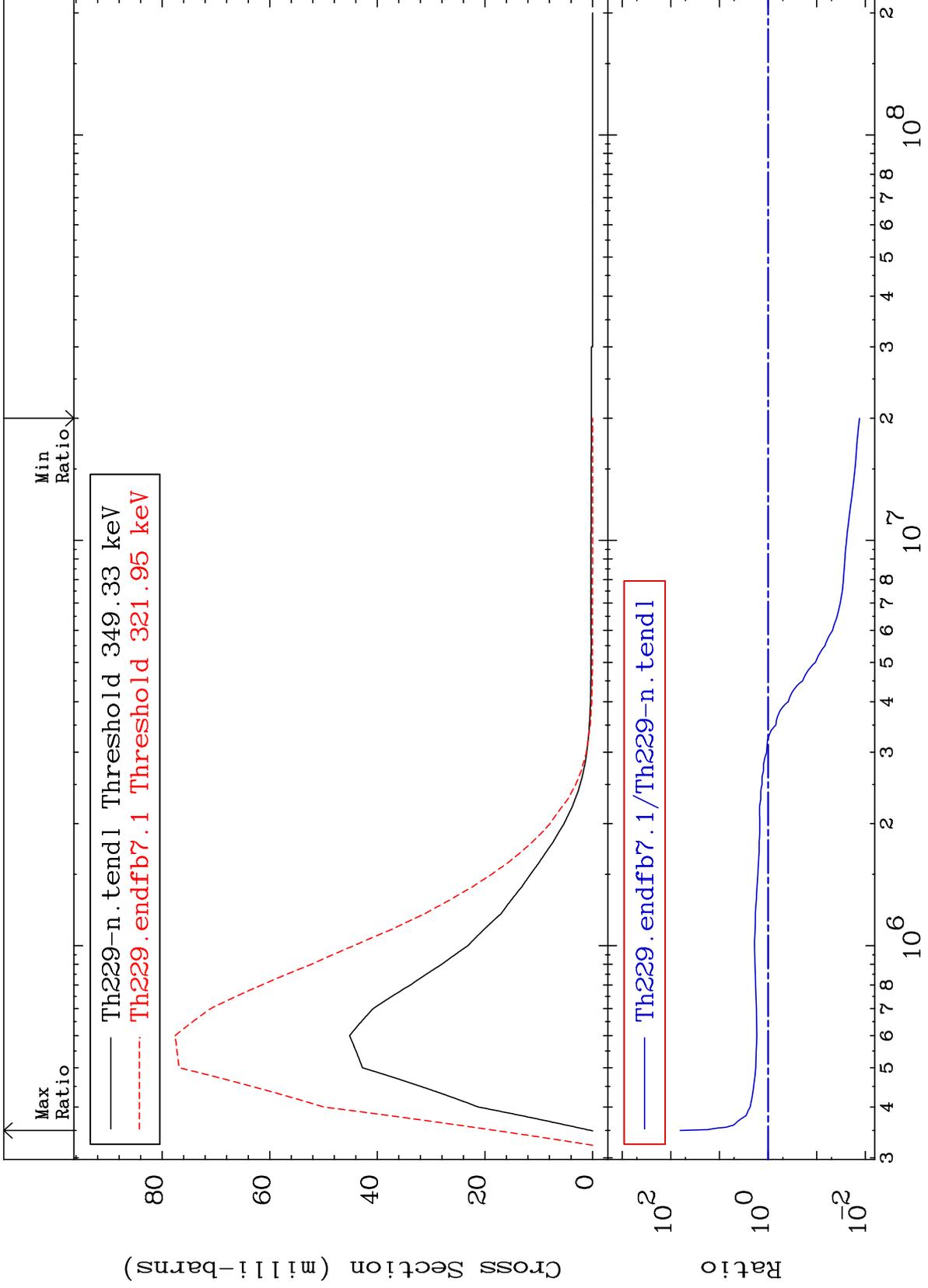
Incident Energy (eV)

90-Th-229

MAT 9031

347.8 keV (n,n') Level  
Cross Section

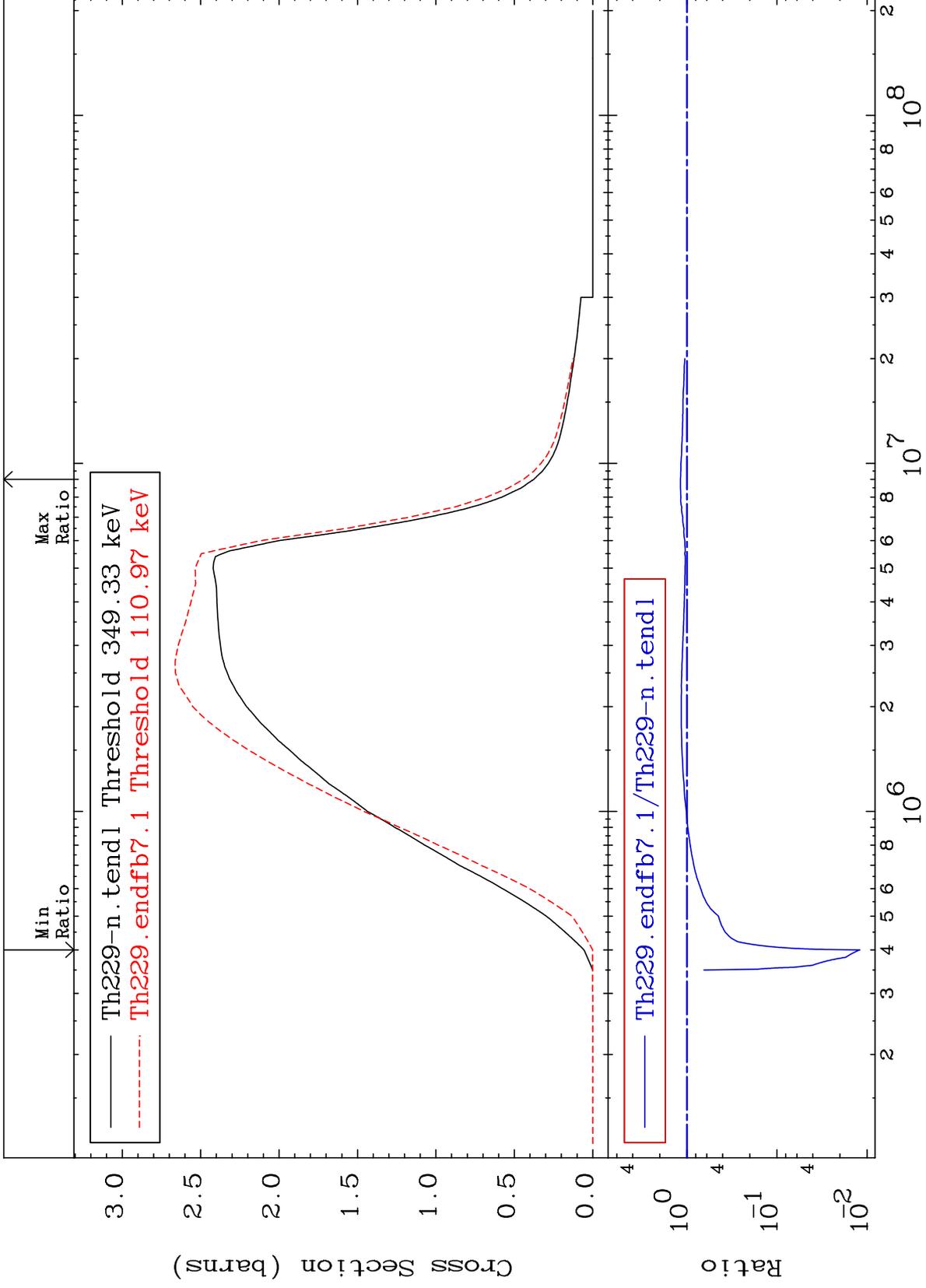
90-Th-229  
-98.68 To 6318. %



MAT 9031

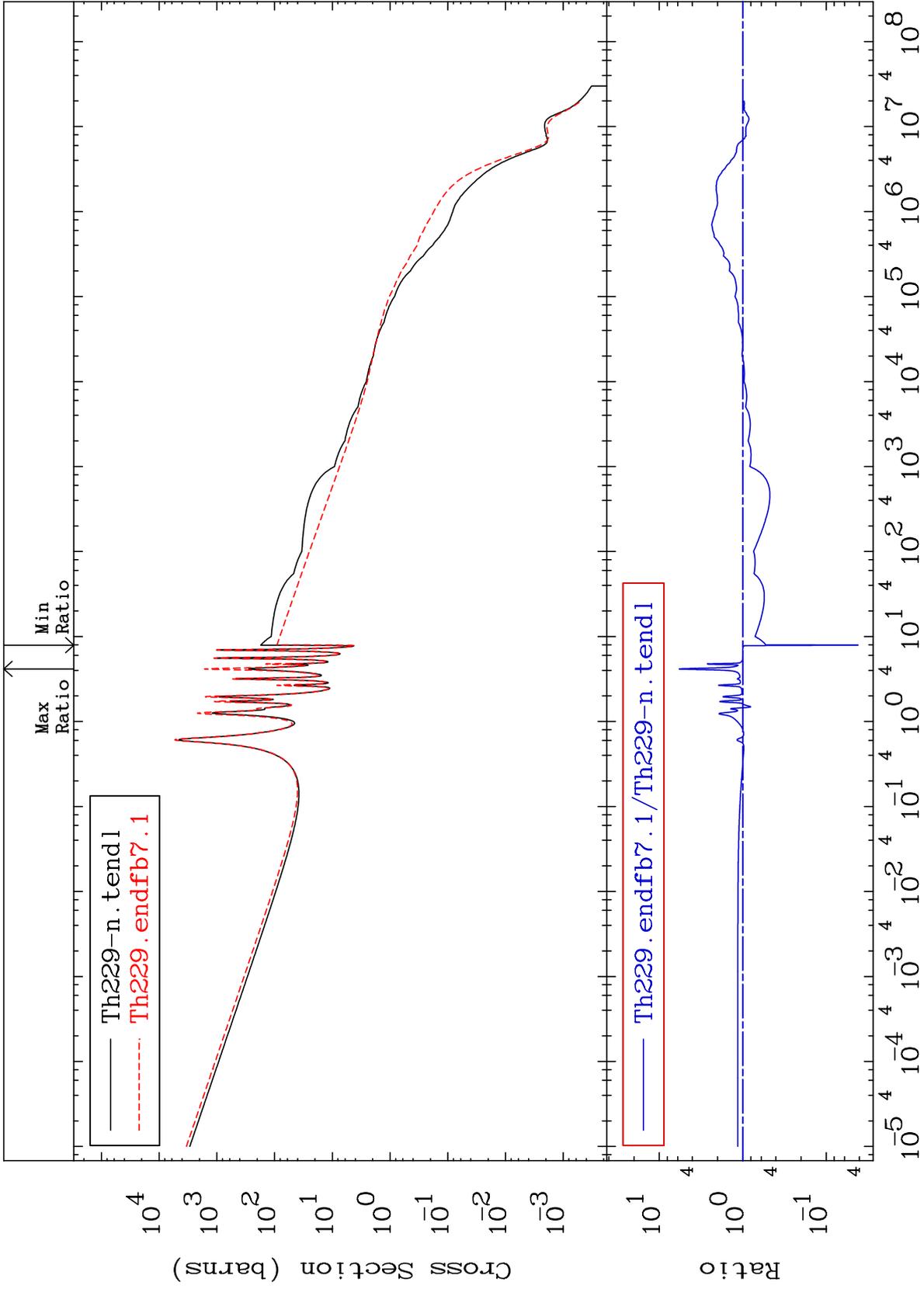
(n, n') Continuum  
Cross Section

90-Th-229  
-98.80 To 17.71 %



MAT 9031

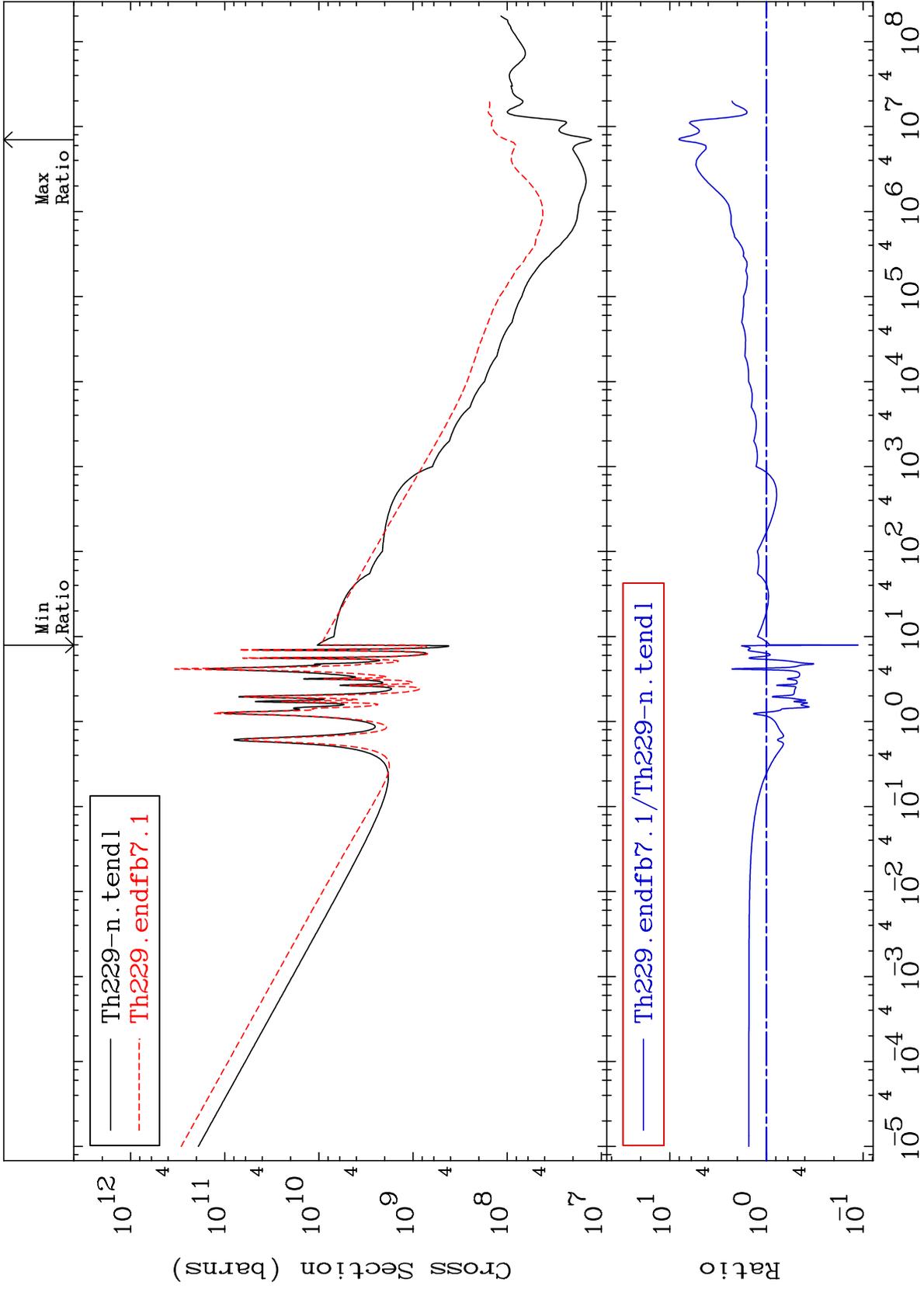
(n,  $\gamma$ )  
Cross Section  
-95.83 To 477.9 %  
90-Th-229



MAT 9031

Kerma total (eV-barns)  
Cross Section

90-Th-229  
-88.69 To 701.7 %



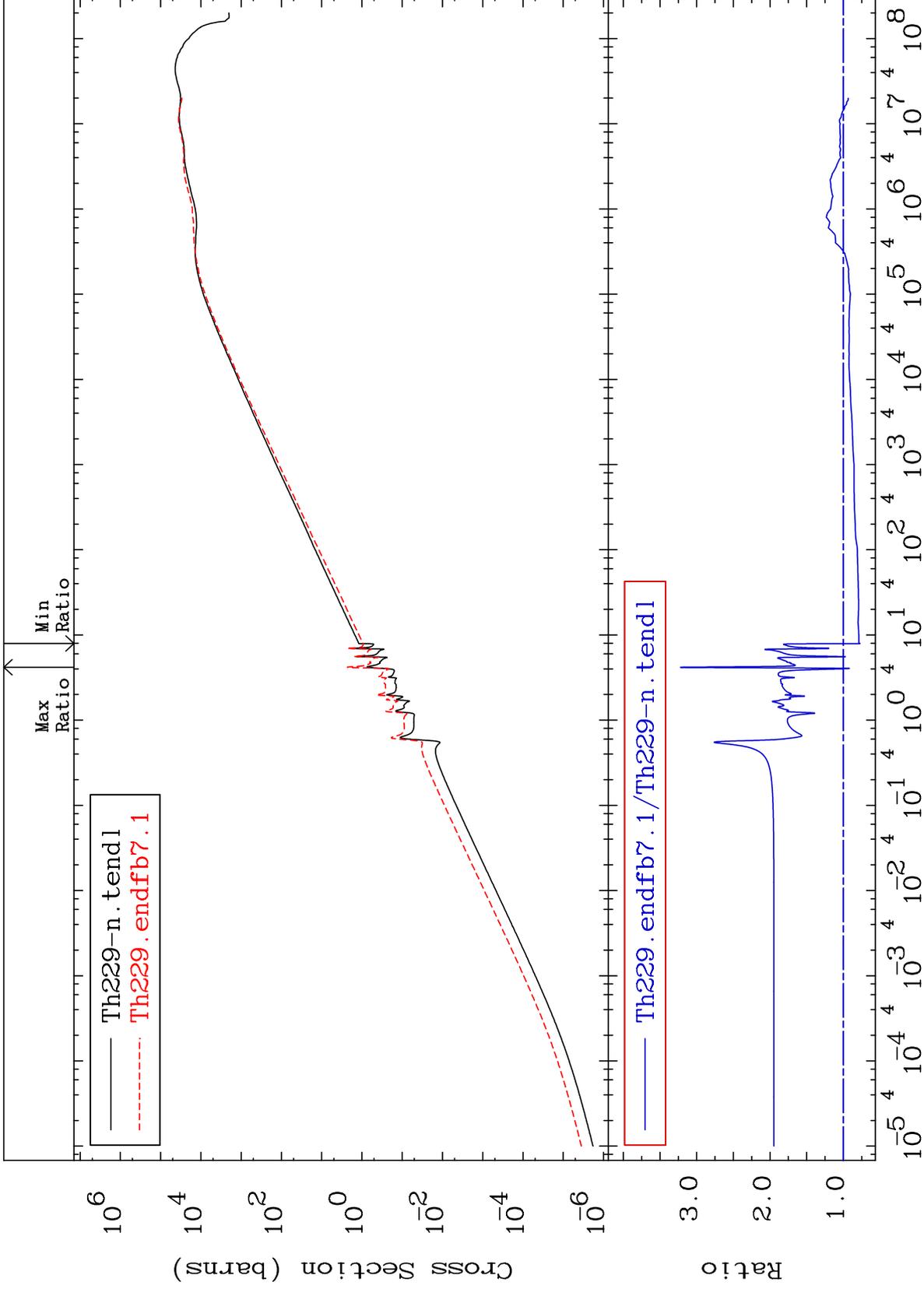
Incident Energy (eV)

90-Th-229

MAT 9031

Kerma elastic  
Cross Section

90-Th-229  
-22.83 To 221.7 %



45

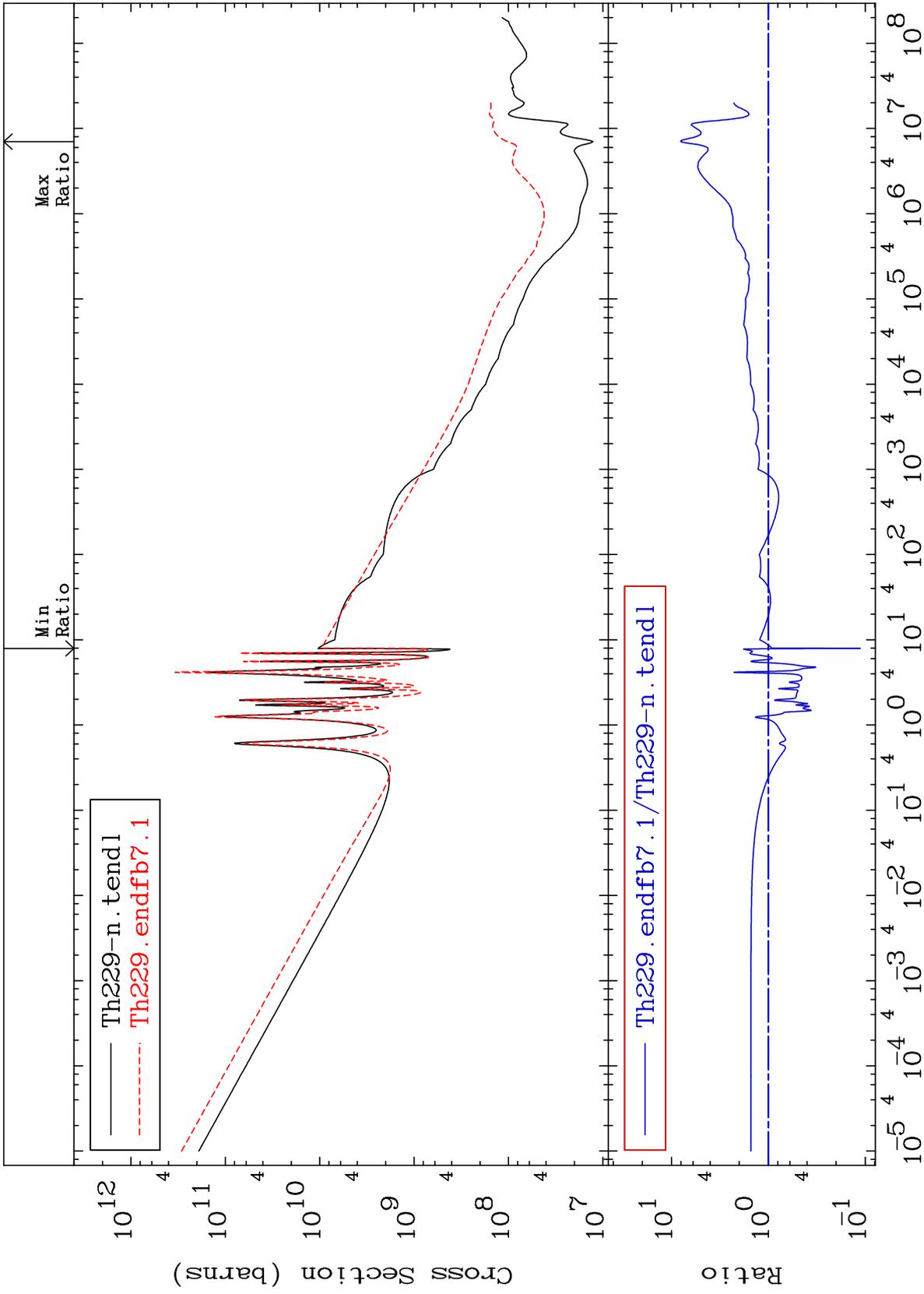
Incident Energy (eV)

90-Th-229

MAT 9031

Kerma non-elastic (all but mt2)  
Cross Section

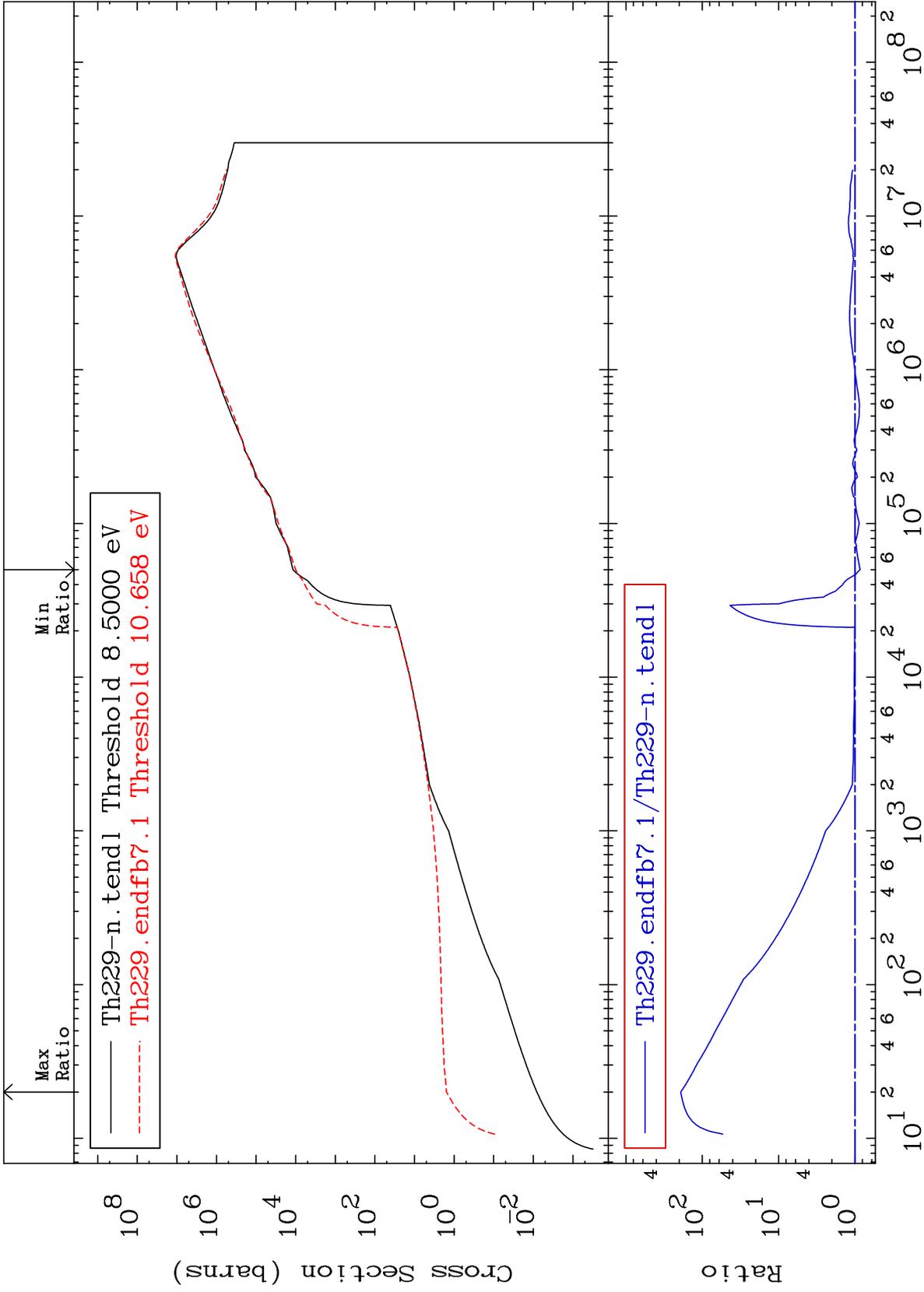
90-Th-229  
-88.69 To 703.3 %



MAT 9031

Kerma inelastic (mt51-91)  
Cross Section

90-Th-229  
-14.52 To 9999. %



47

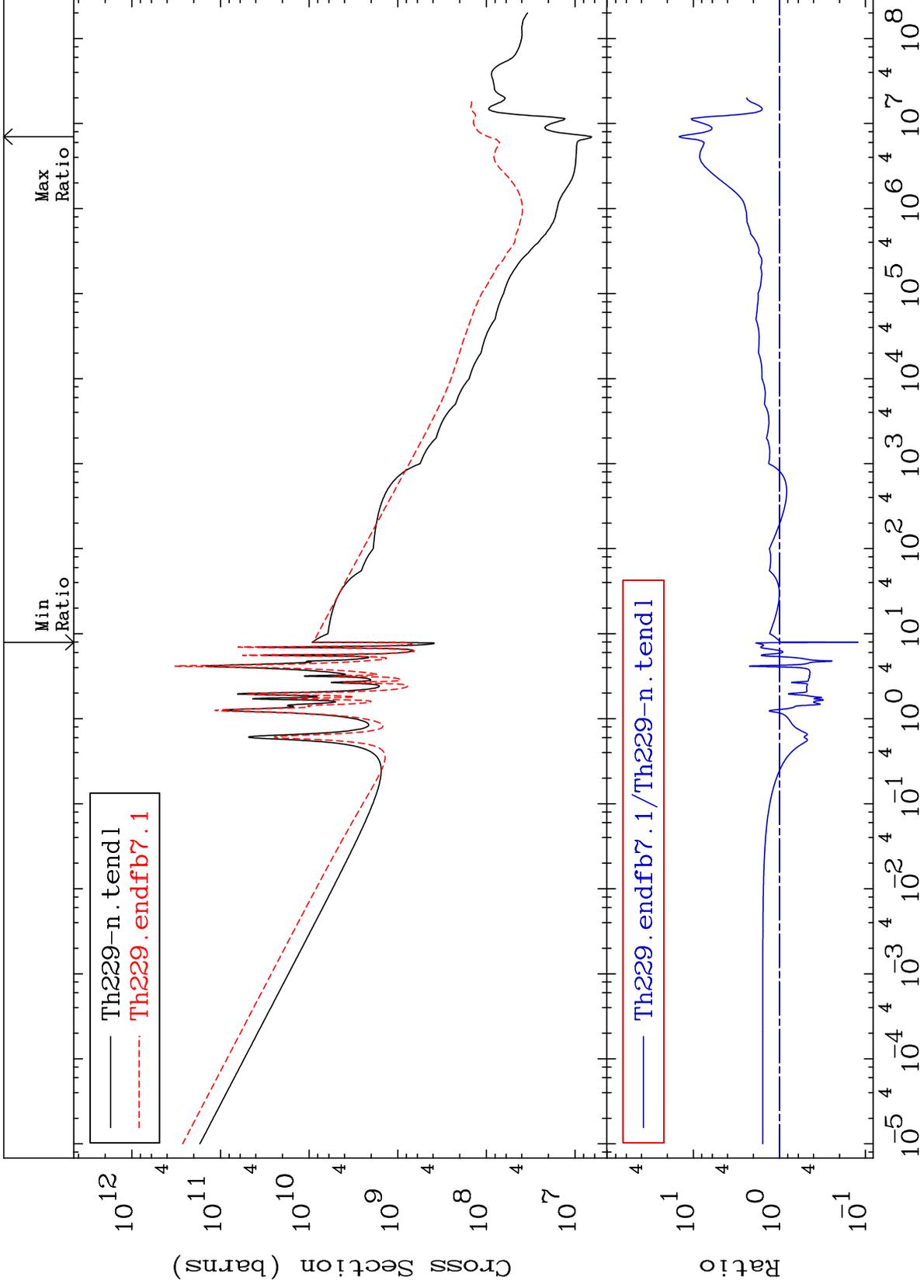
Incident Energy (eV)

90-Th-229

MAT 9031

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

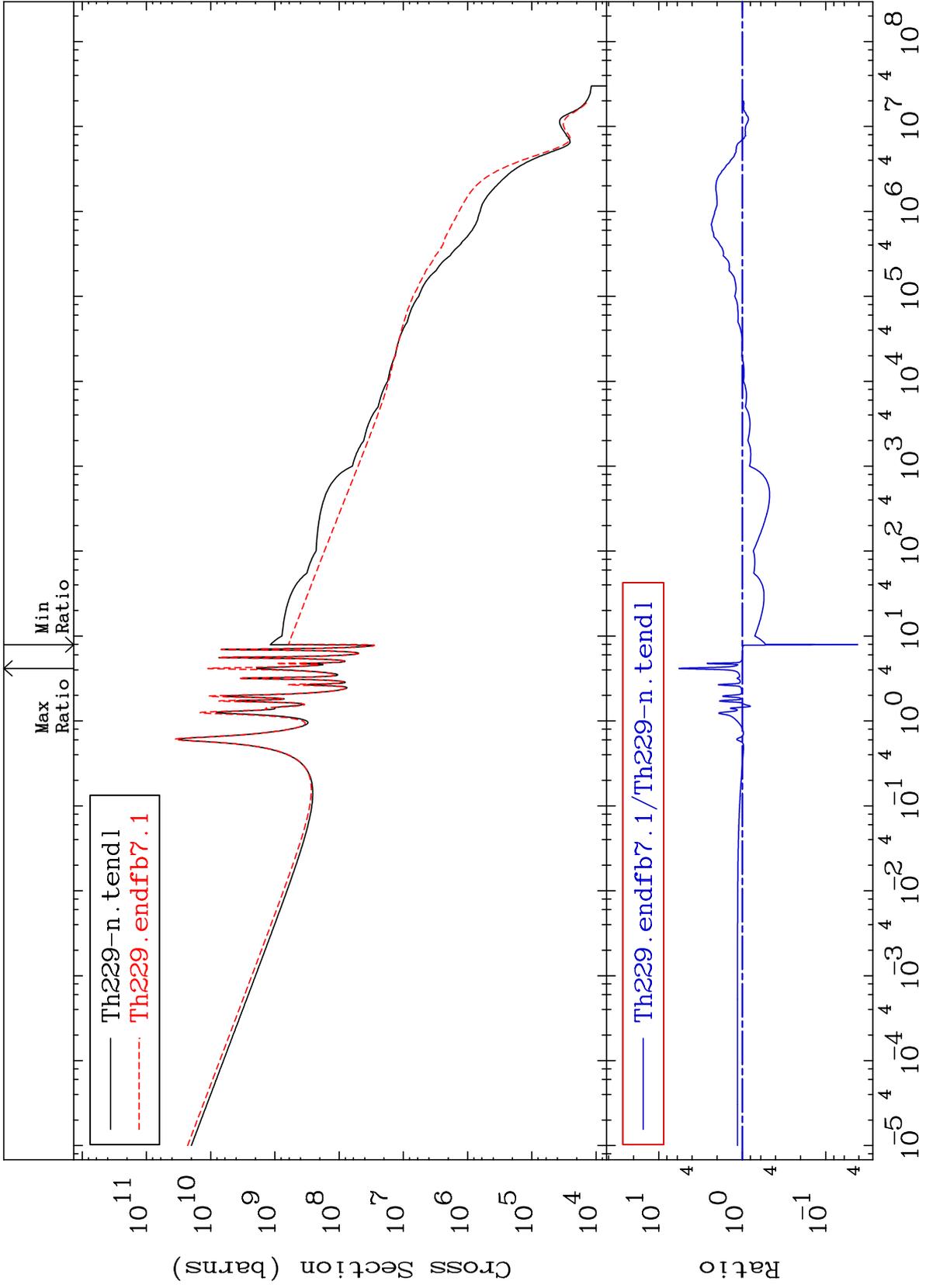
90-Th-229  
-87.78 To 1364. %



MAT 9031

Kerma capture (mt102)  
Cross Section

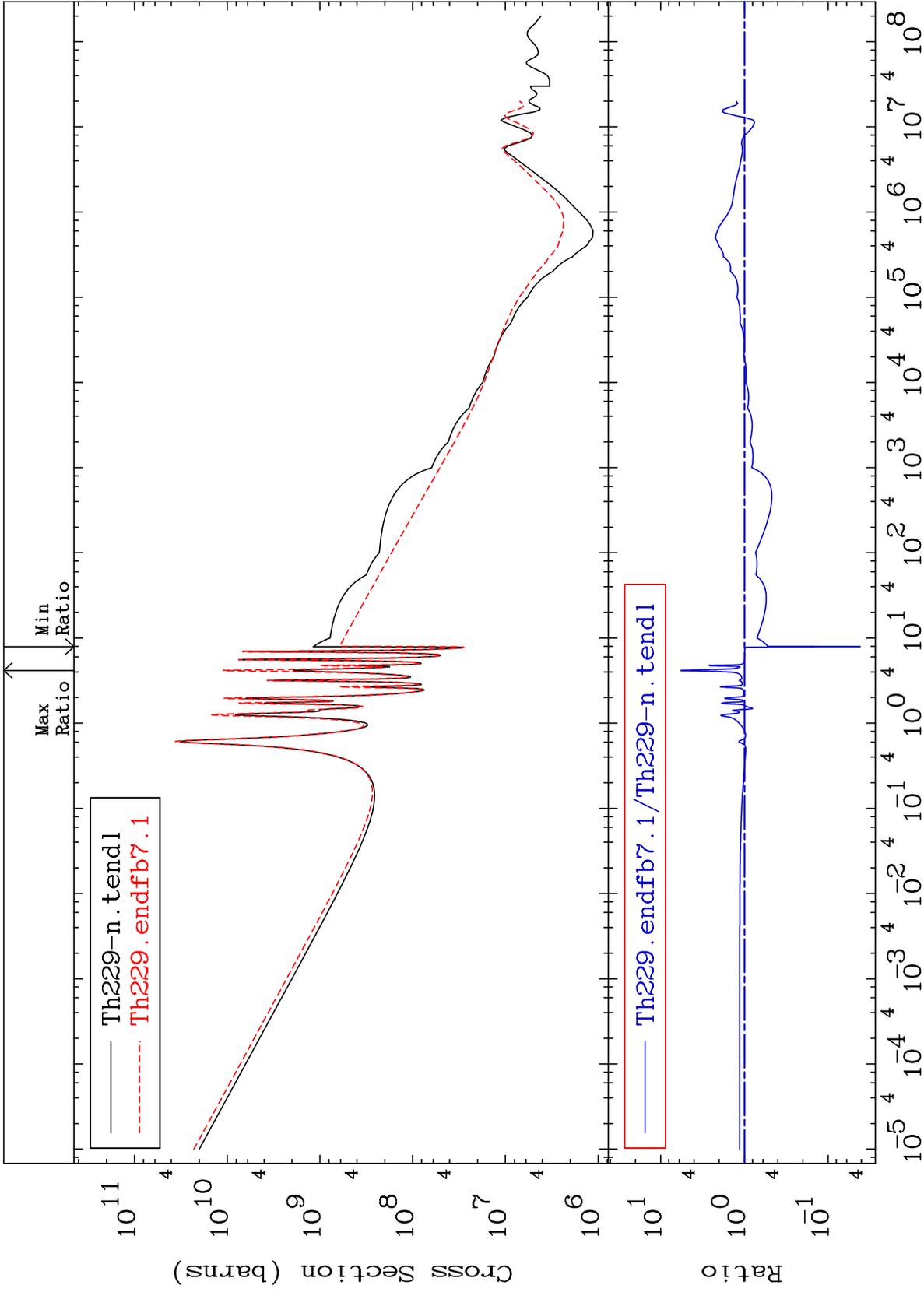
90-Th-229  
-95.85 To 476.0 %



MAT 9031

Total photon (eV-barns)  
Cross Section

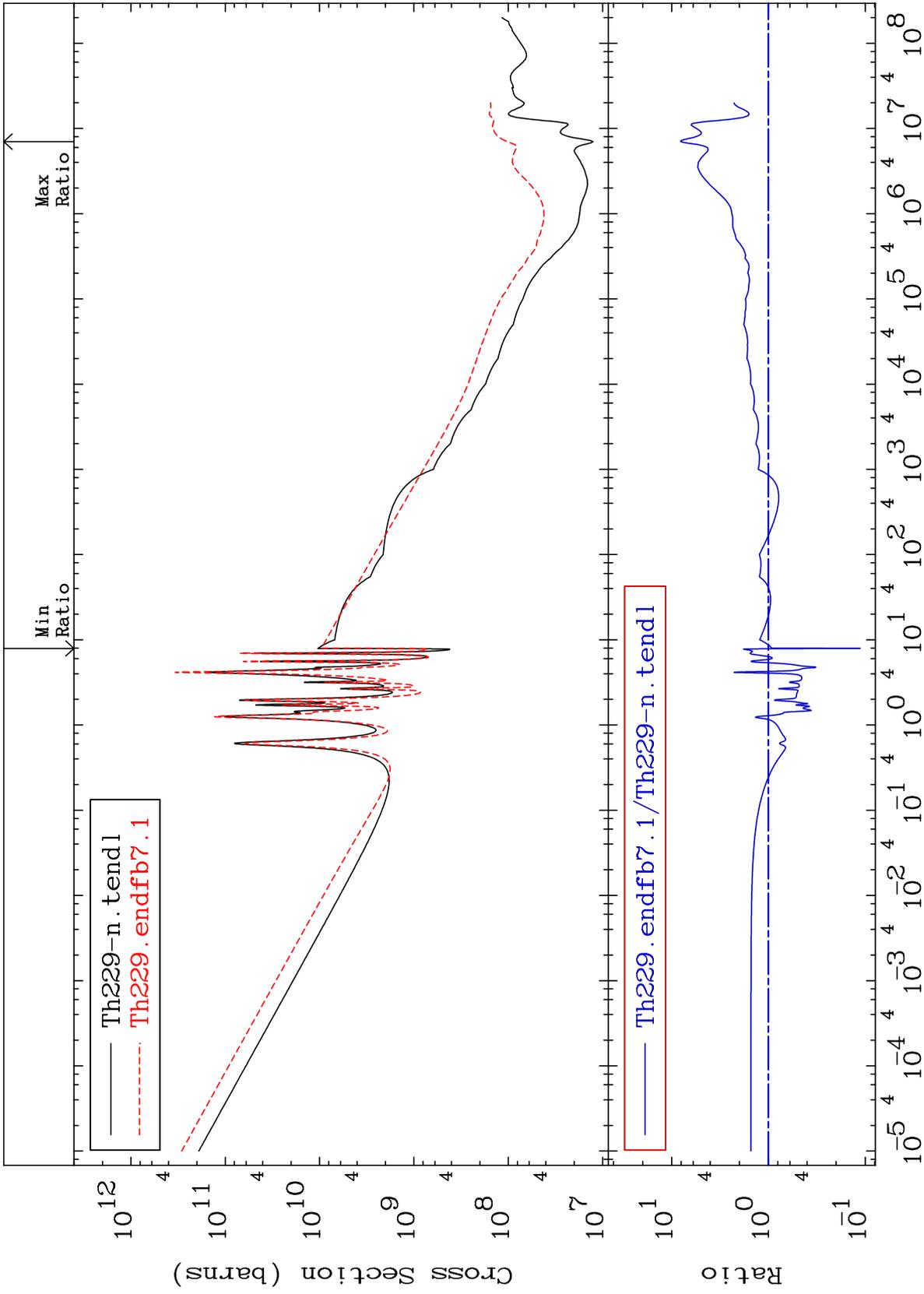
90-Th-229  
-95.85 To 476.0 %



MAT 9031

Total kinematic kerma (high limit)  
Cross Section

90-Th-229  
-88.69 To 706.9 %



51

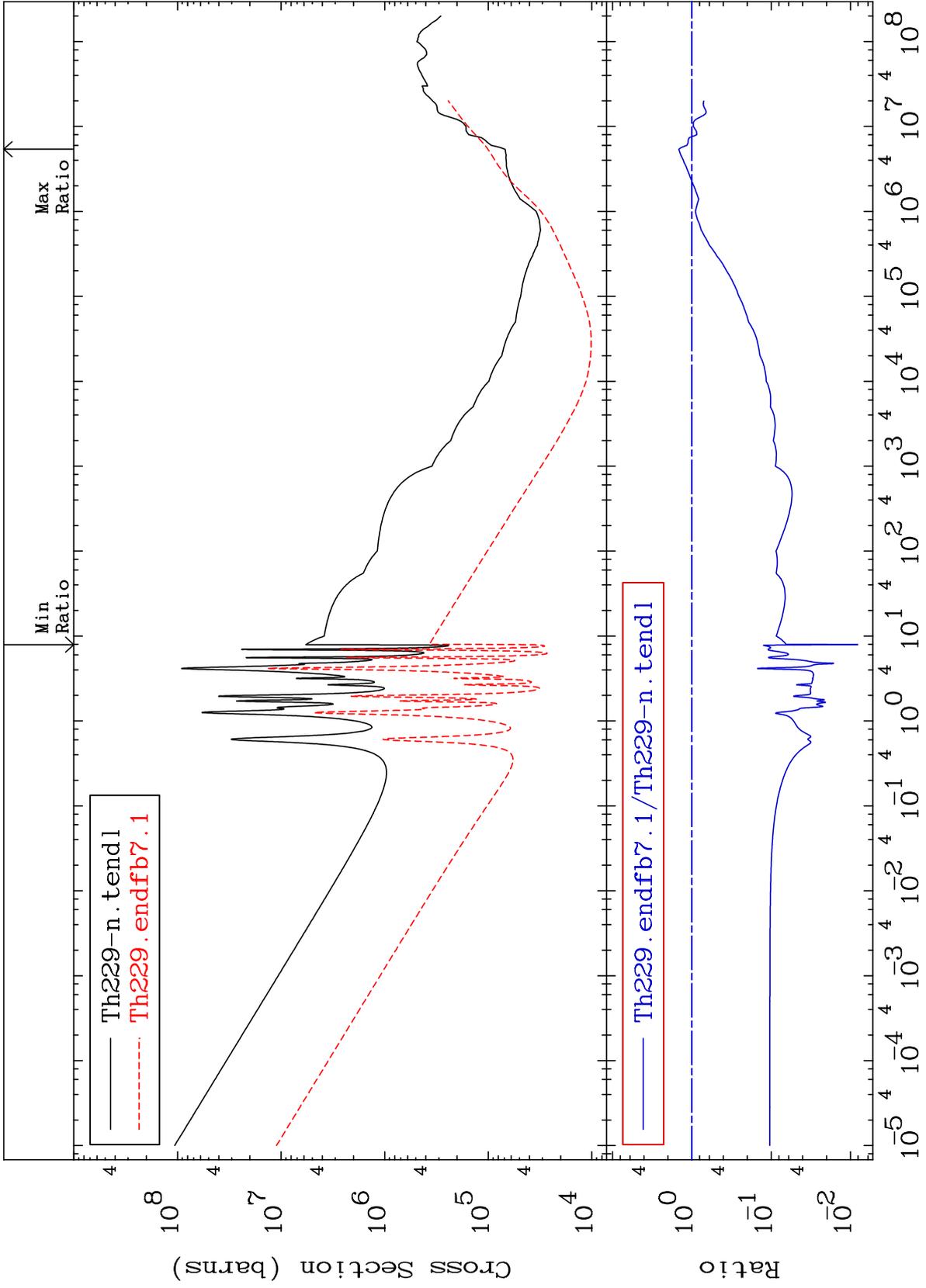
Incident Energy (eV)

90-Th-229

MAT 9031

Dpa total (eV-barns)  
Cross Section

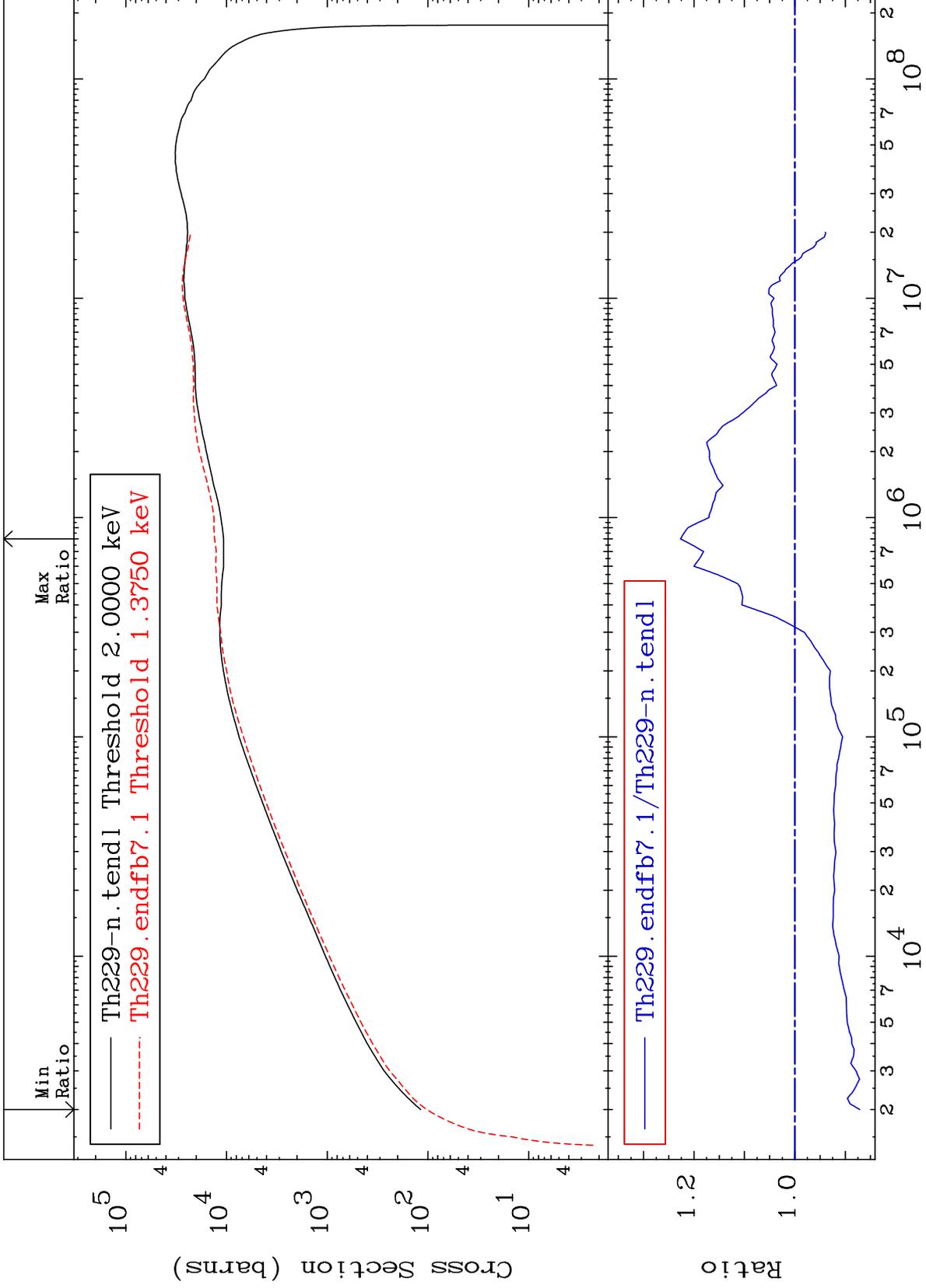
90-Th-229  
-99.19 To 45.96 %



MAT 9031

Dpa elastic (mt2)  
Cross Section

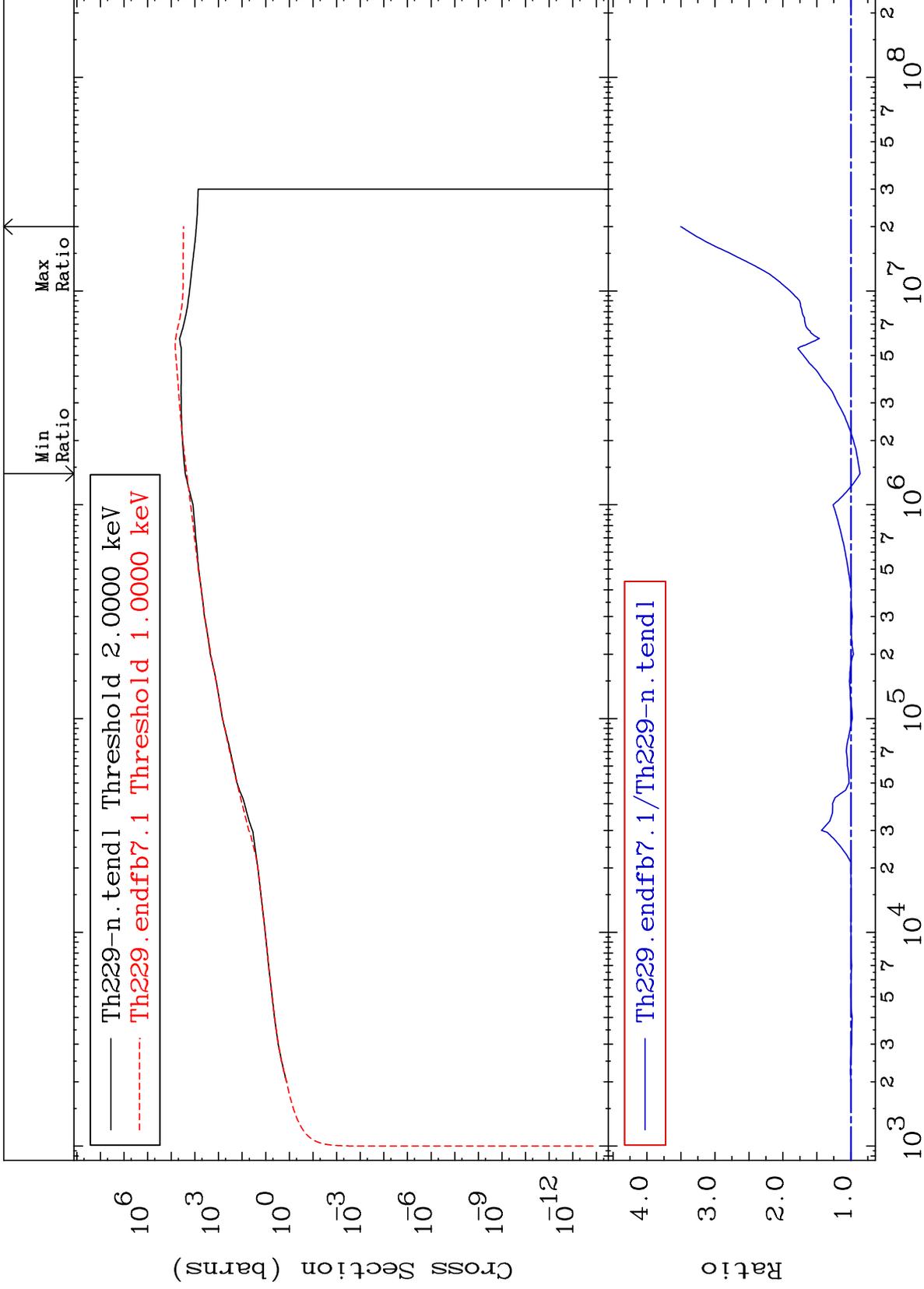
90-Th-229  
-12.87 To 22.68 %



MAT 9031

Dpa inelastic (mt51-91)  
Cross Section

90-Th-229  
-13.65 To 250.3 %



54

Incident Energy (eV)

90-Th-229

MAT 9031

Dpa disappearance (mt102 -120)  
Cross Section

90-Th-229  
-100.0 To 254.9 %

