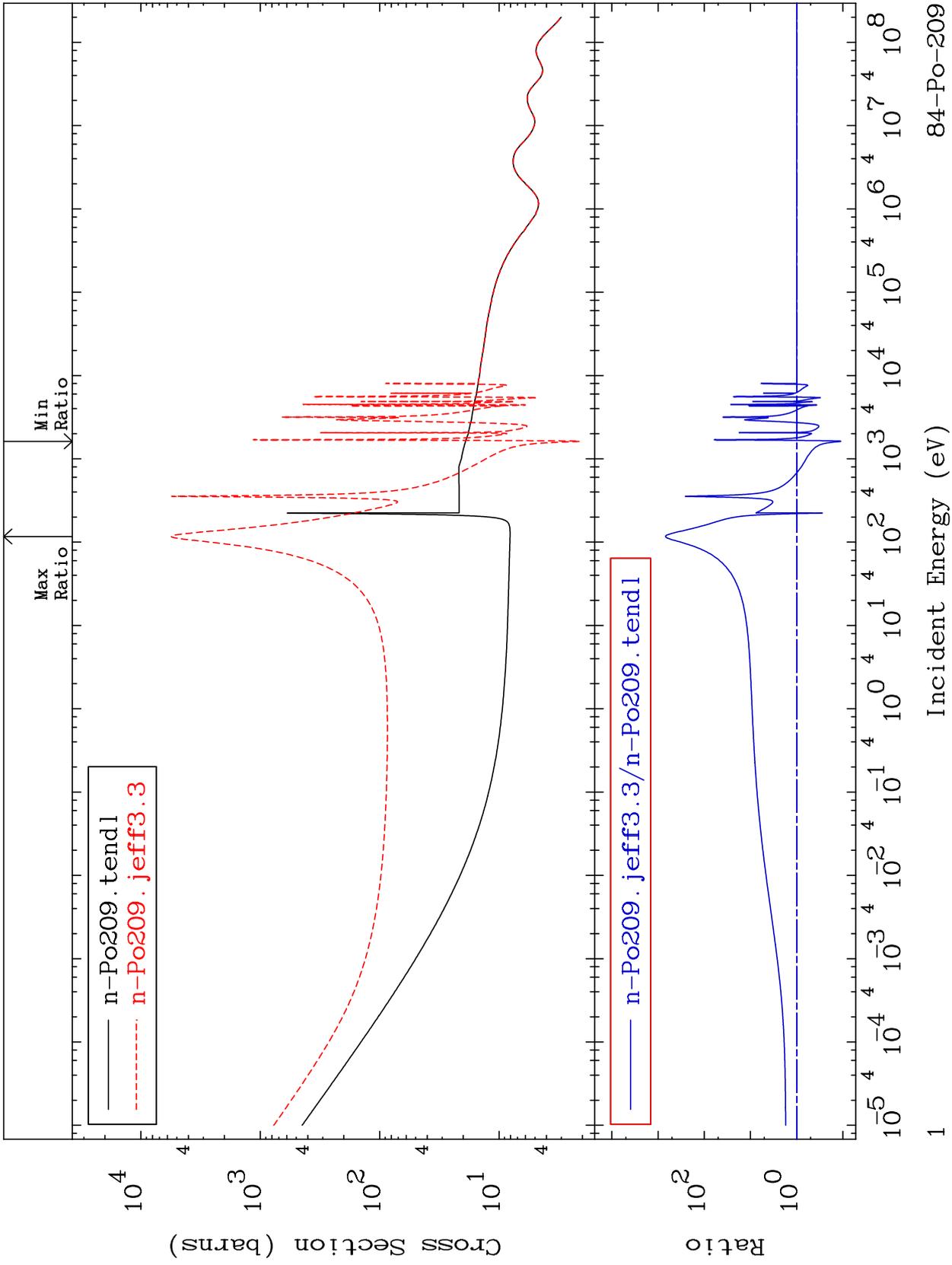


MAT 8434

Total Cross Section  
84-Po-209  
-88.95 To 9999. %



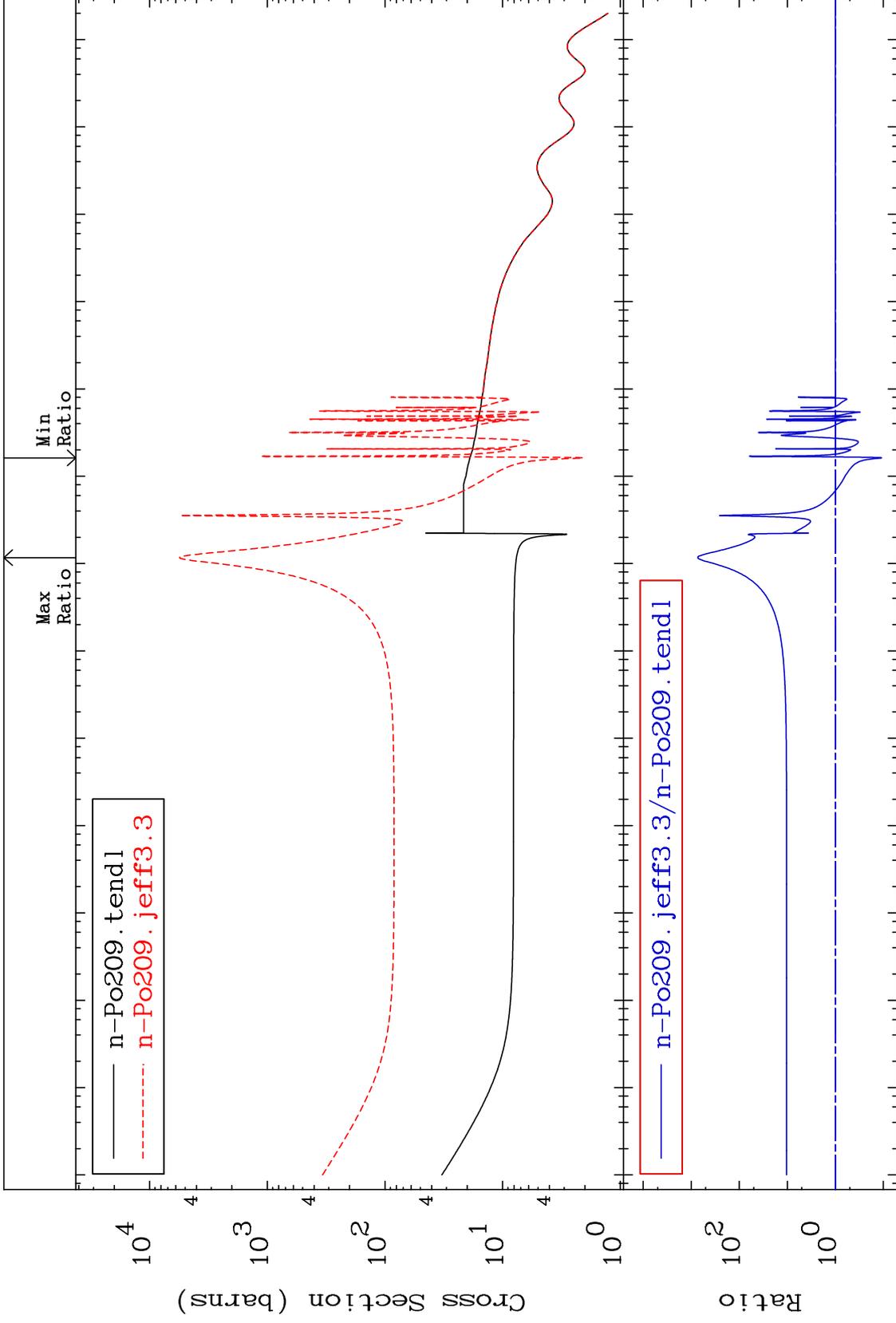
84-Po-209

Incident Energy (eV)

MAT 8434

Elastic  
Cross Section

84-Po-209  
-89.10 To 9999. %



2

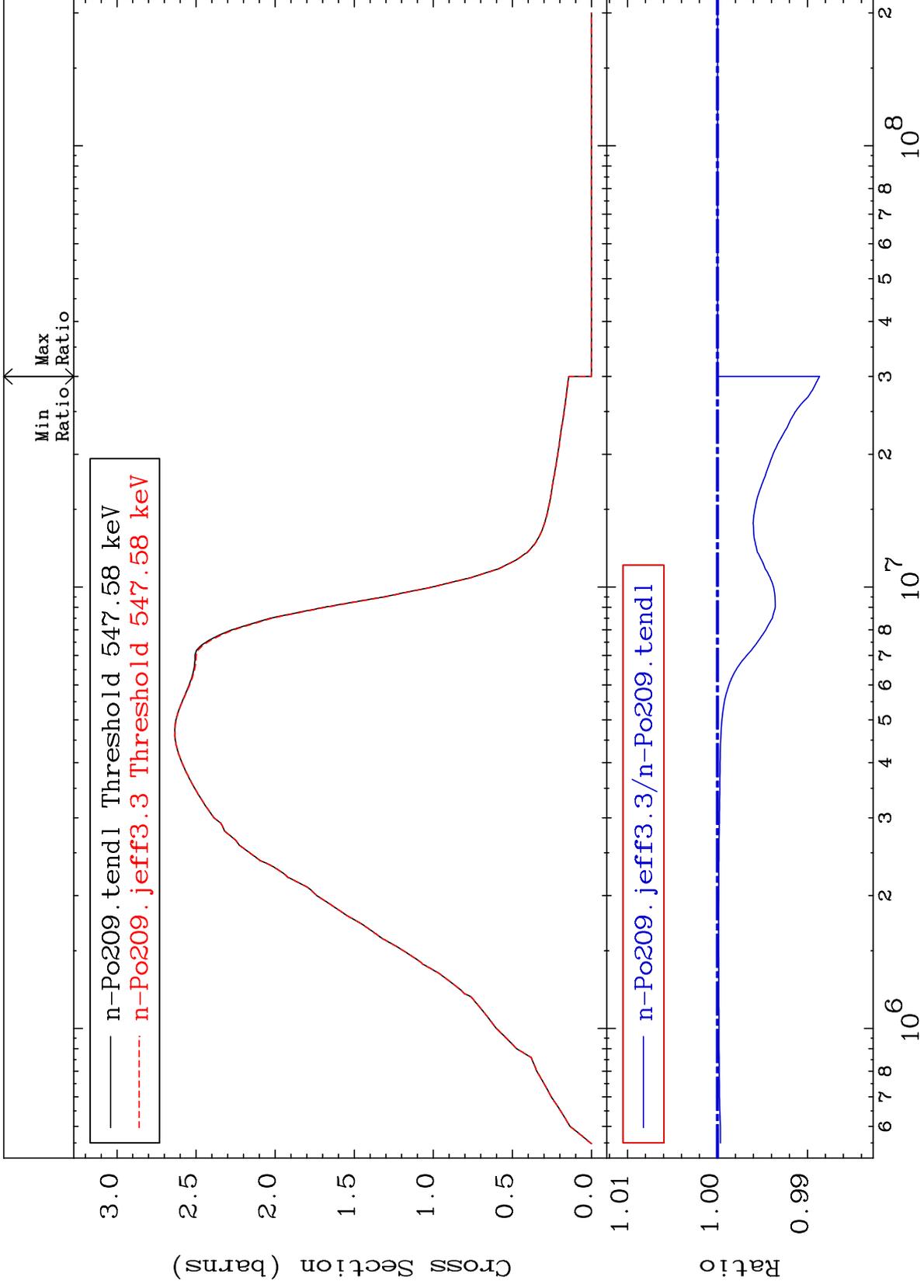
Incident Energy (eV)

84-Po-209

MAT 8434

Inelastic  
Cross Section

84-Po-209  
-1.134 To 0.000 %



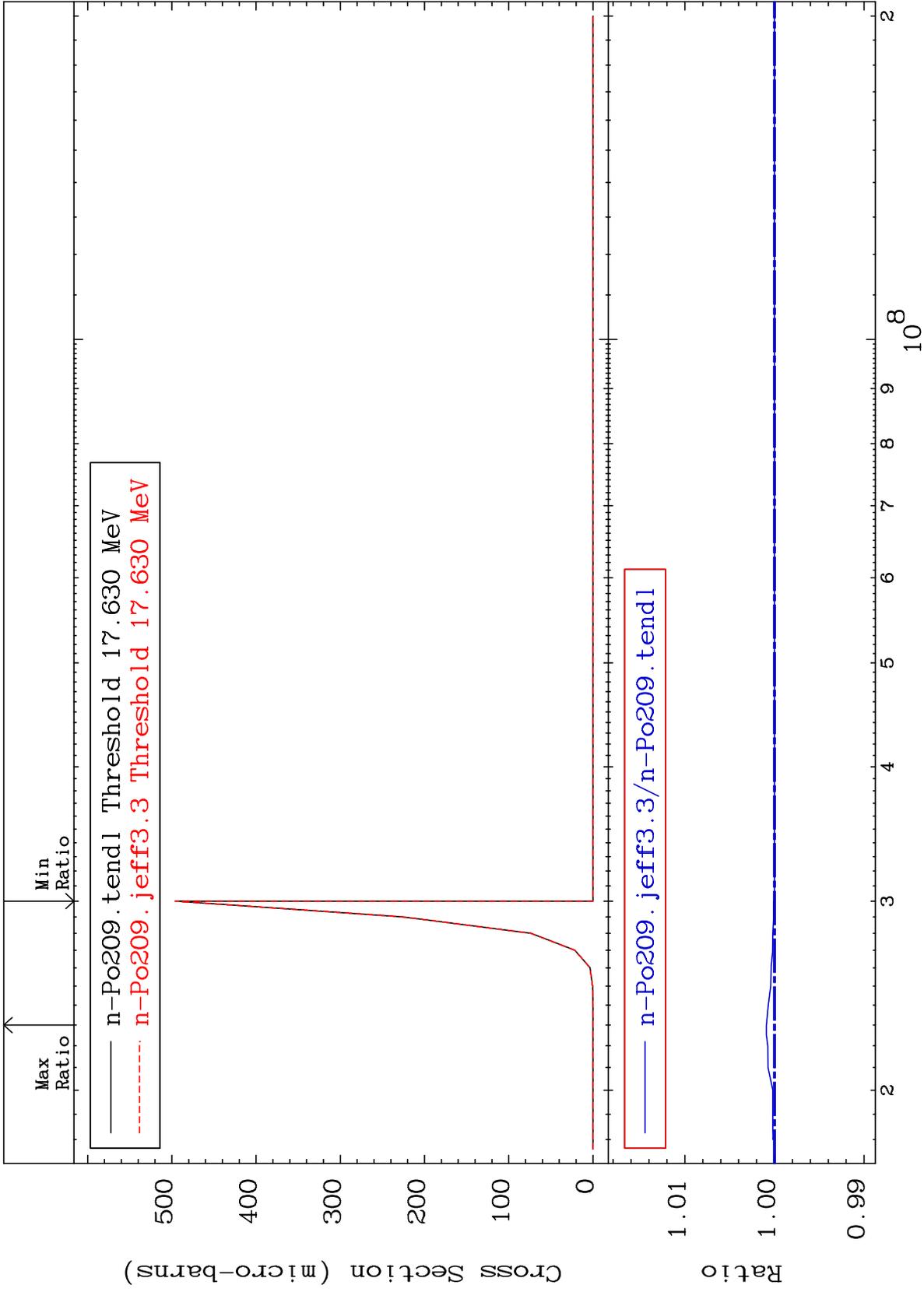
MAT 8434

(n,2n) d

84-Po-209

Cross Section

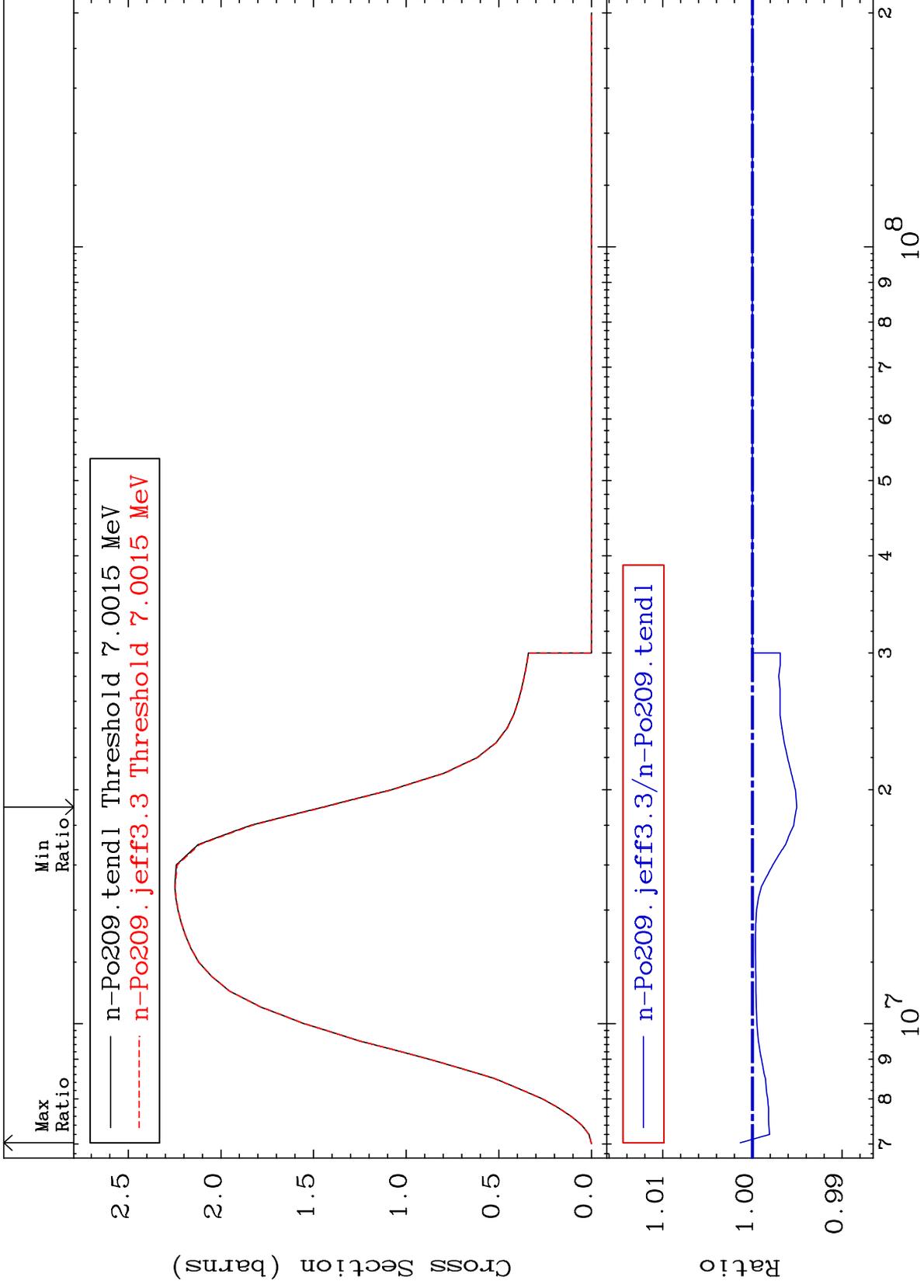
0.000 To 0.090 %



MAT 8434

(n,2n)  
Cross Section

84-Po-209  
-0.495 To 0.136 %



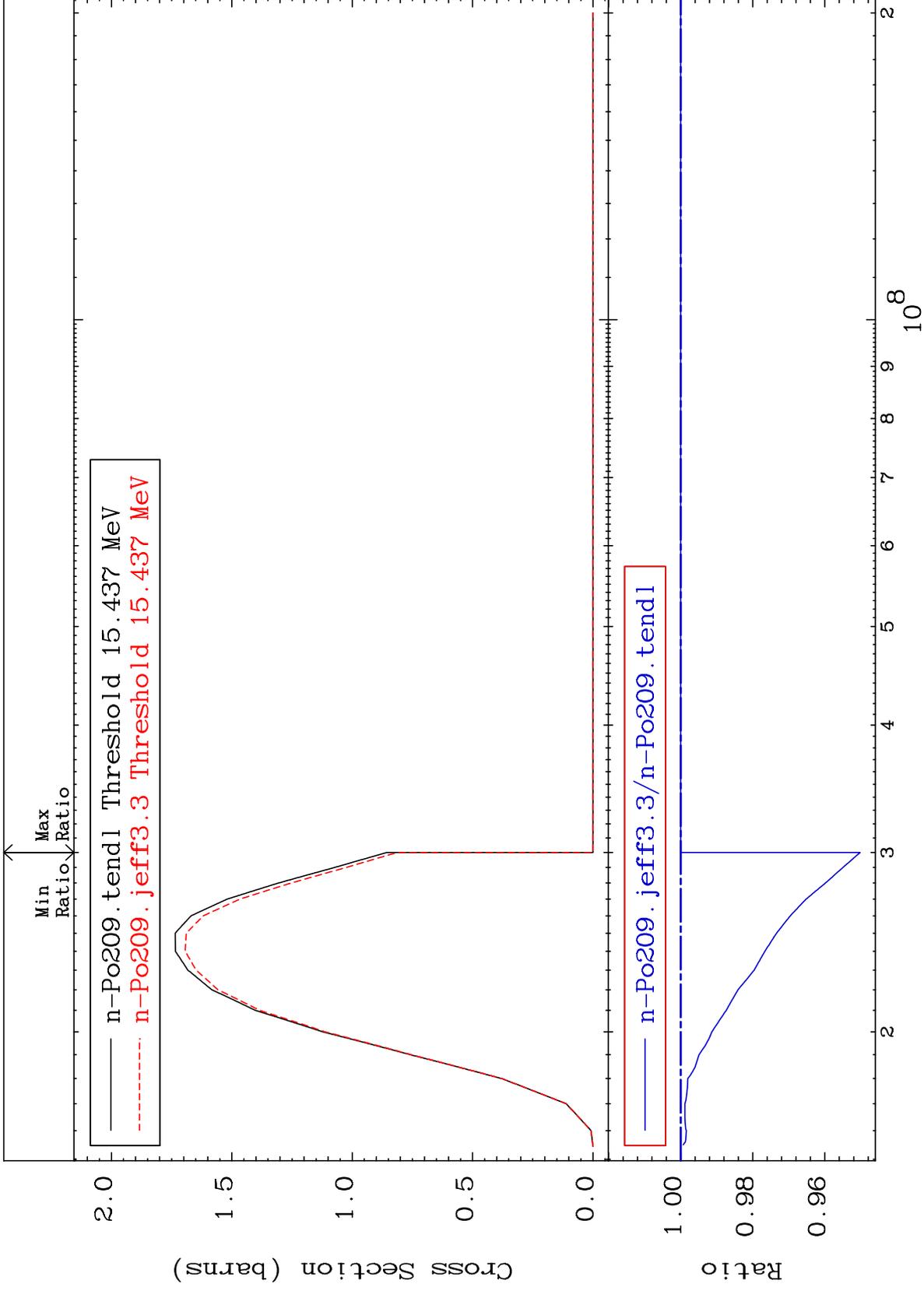
MAT 8434

(n,3n)

84-Po-209

Cross Section

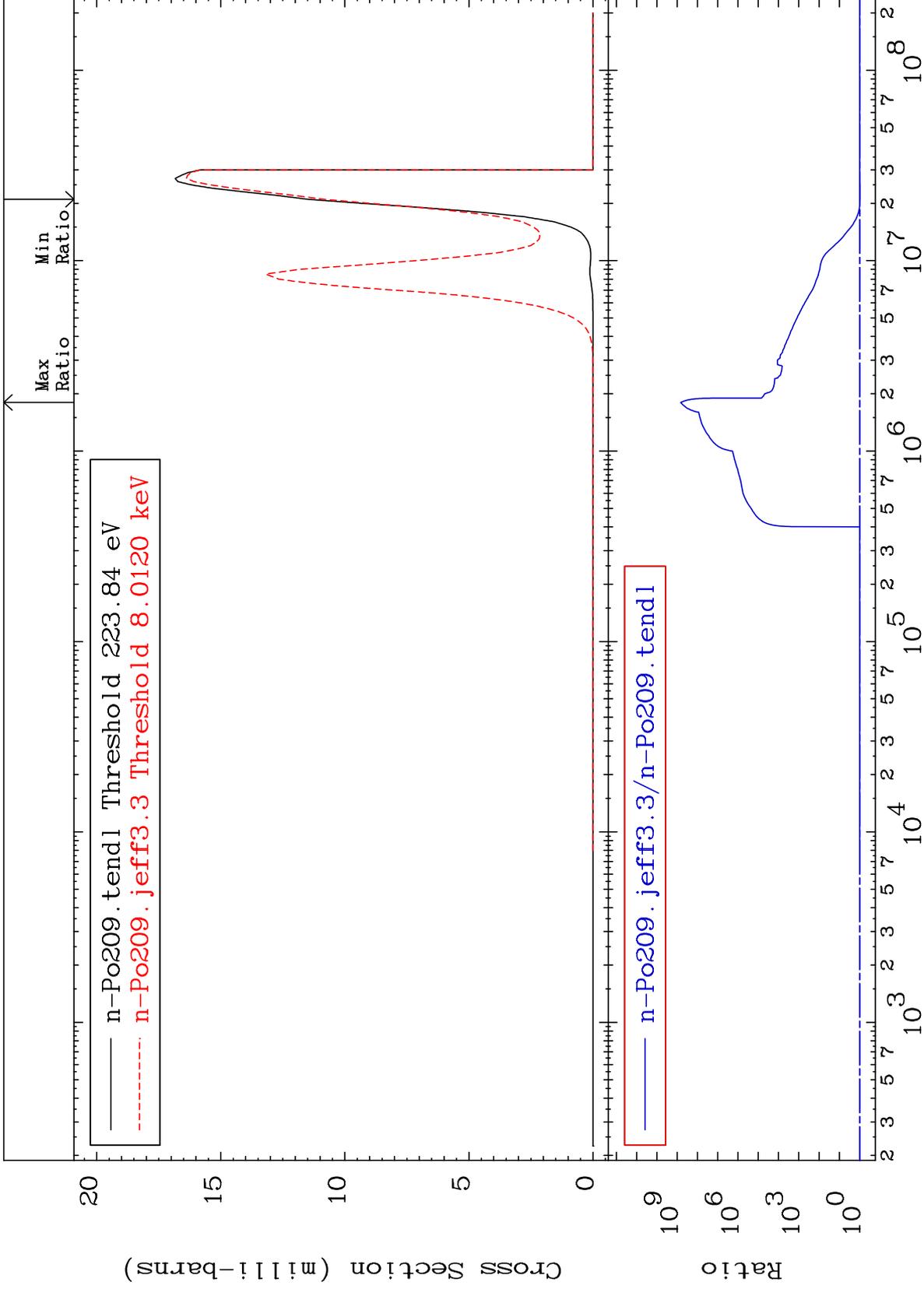
-4.977 To 0.000 %



MAT 8434

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

84-Po-209  
-5.556 To 9999. %



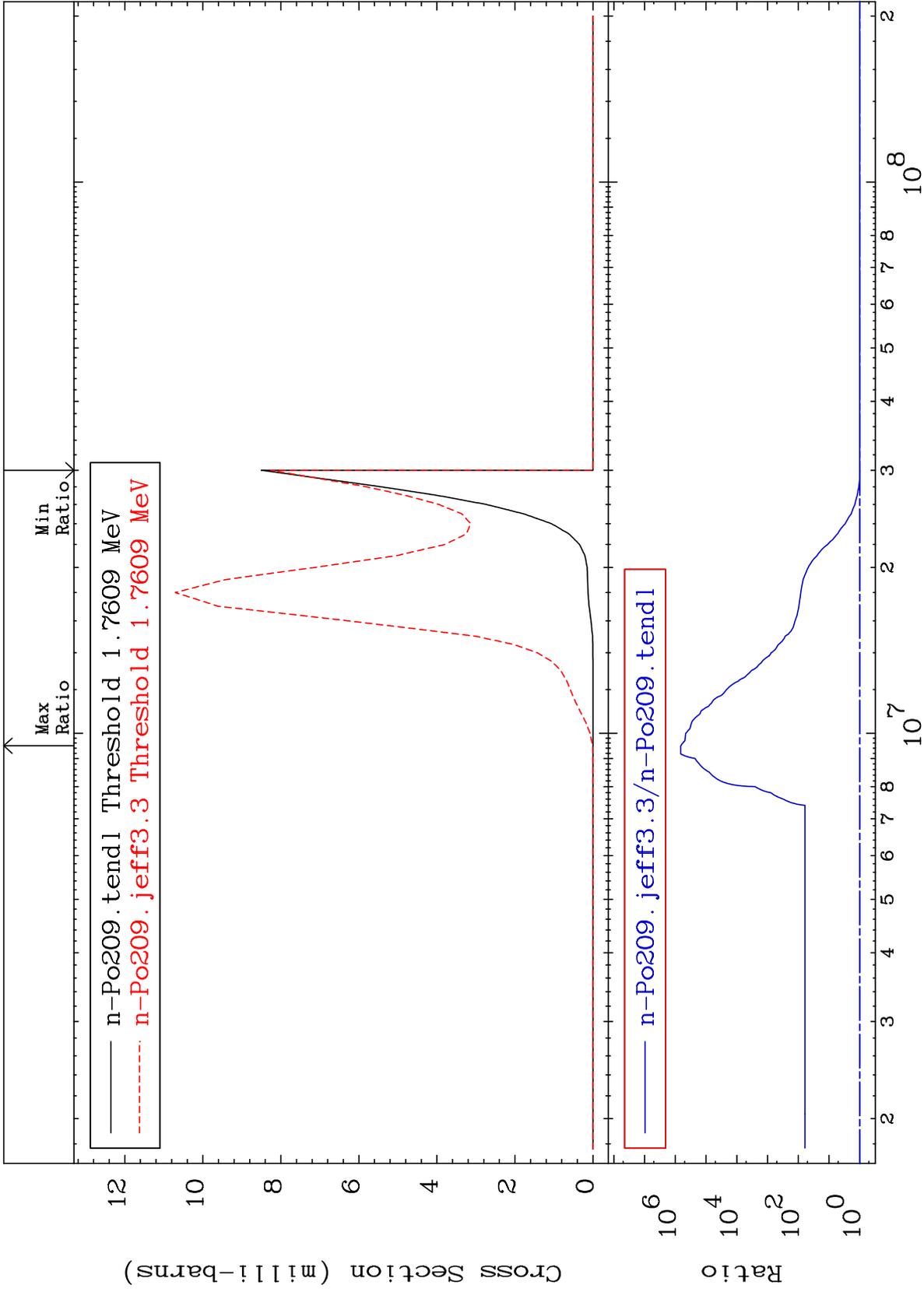
MAT 8434

(n,2n)  $\alpha$

84-Po-209

-2.841 To 9999. %

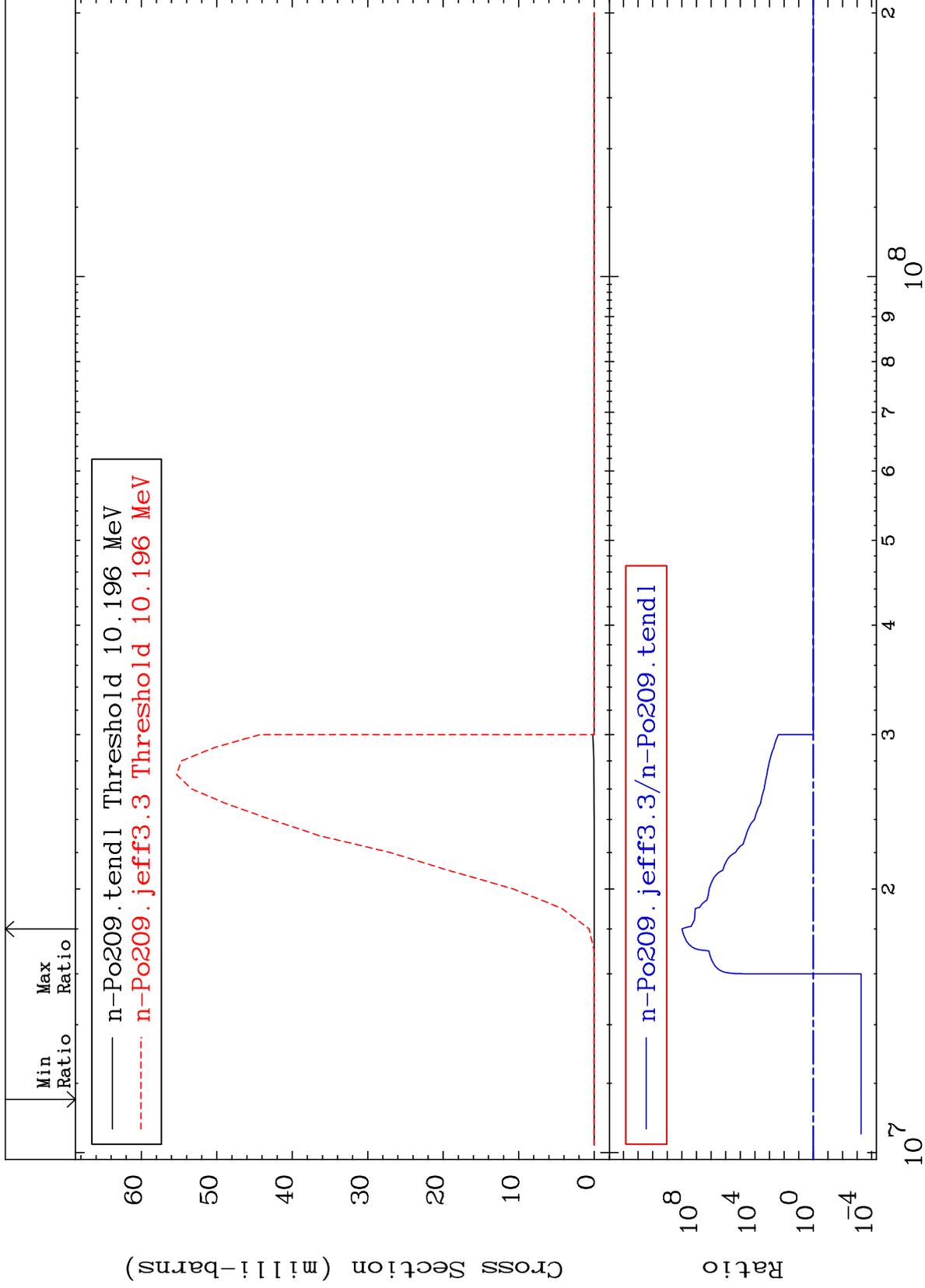
Cross Section



MAT 8434

(n,3n)  $\alpha$   
Cross Section

84-Po-209  
-99.95 To 9999. %



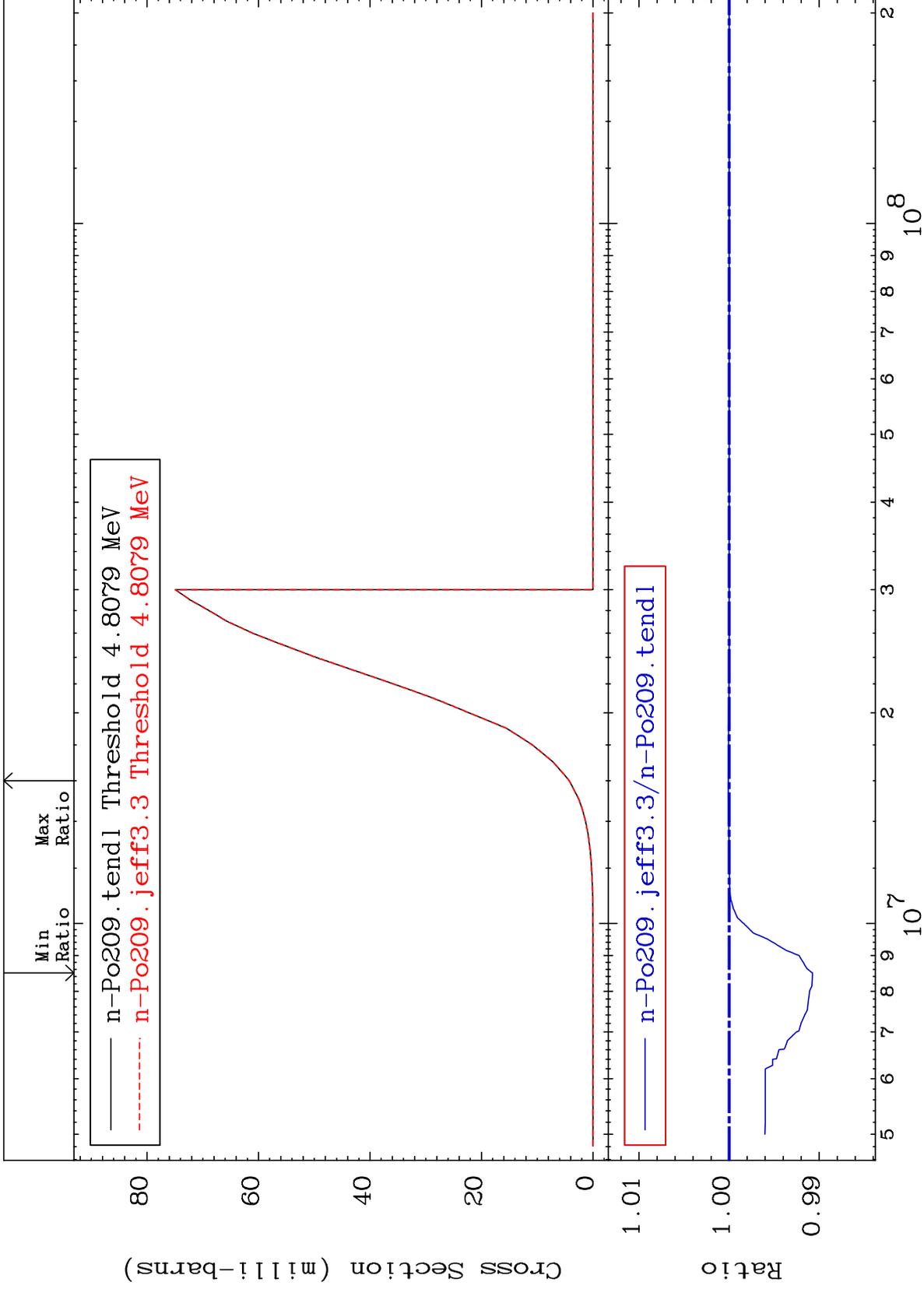
Incident Energy (eV)

84-Po-209

MAT 8434

(n, n') p  
Cross Section

84-Po-209  
-0.925 To 0.008 %



10

Incident Energy (eV)

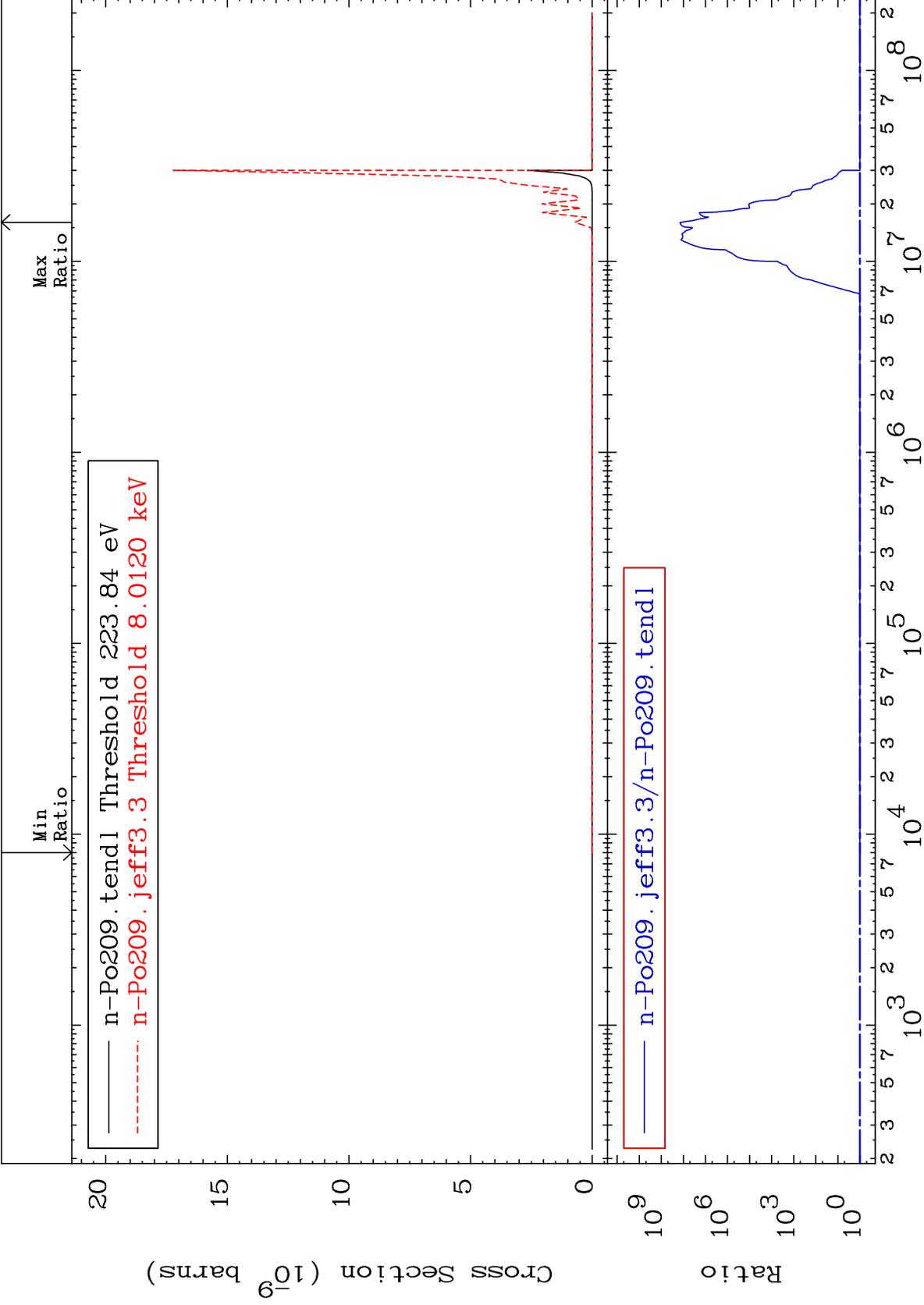
84-Po-209

MAT 8434

(n, n')  $2\alpha$

84-Po-209  
To 9999. %

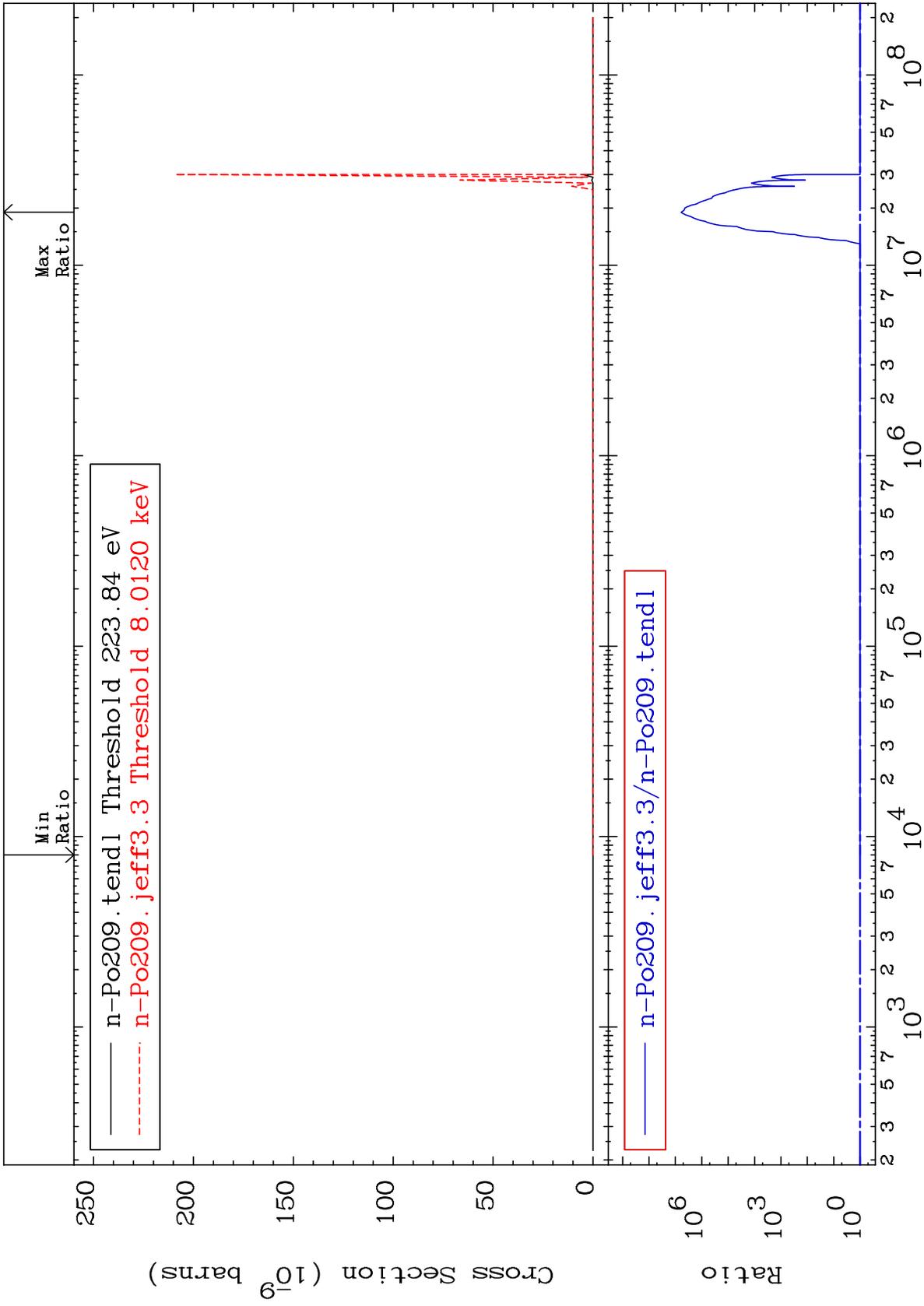
Cross Section



MAT 8434

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

84-Po-209  
To 9999. %



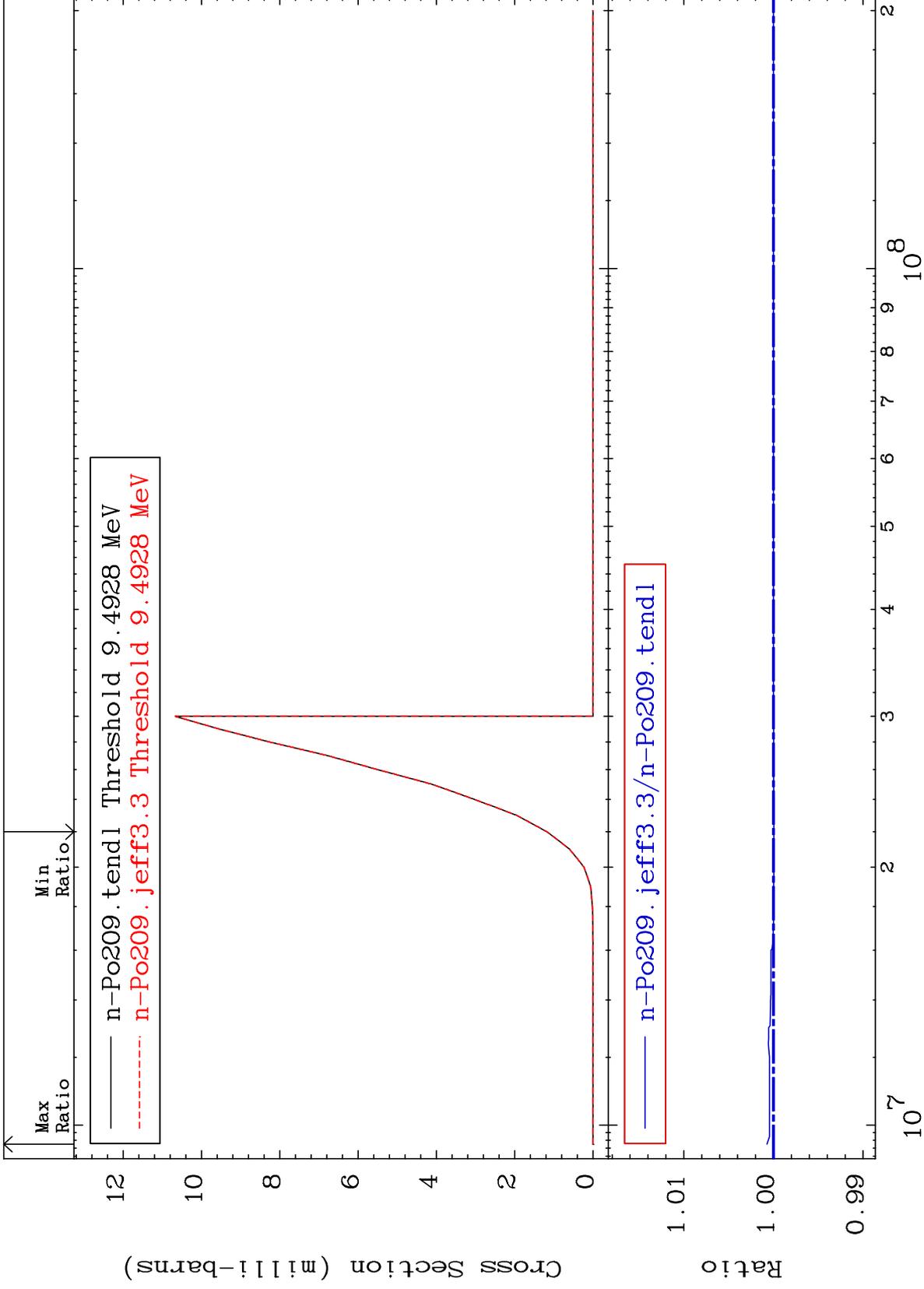
MAT 8434

(n,n') d

84-Po-209

Cross Section

-0.005 To 0.073 %



13

Incident Energy (eV)

84-Po-209

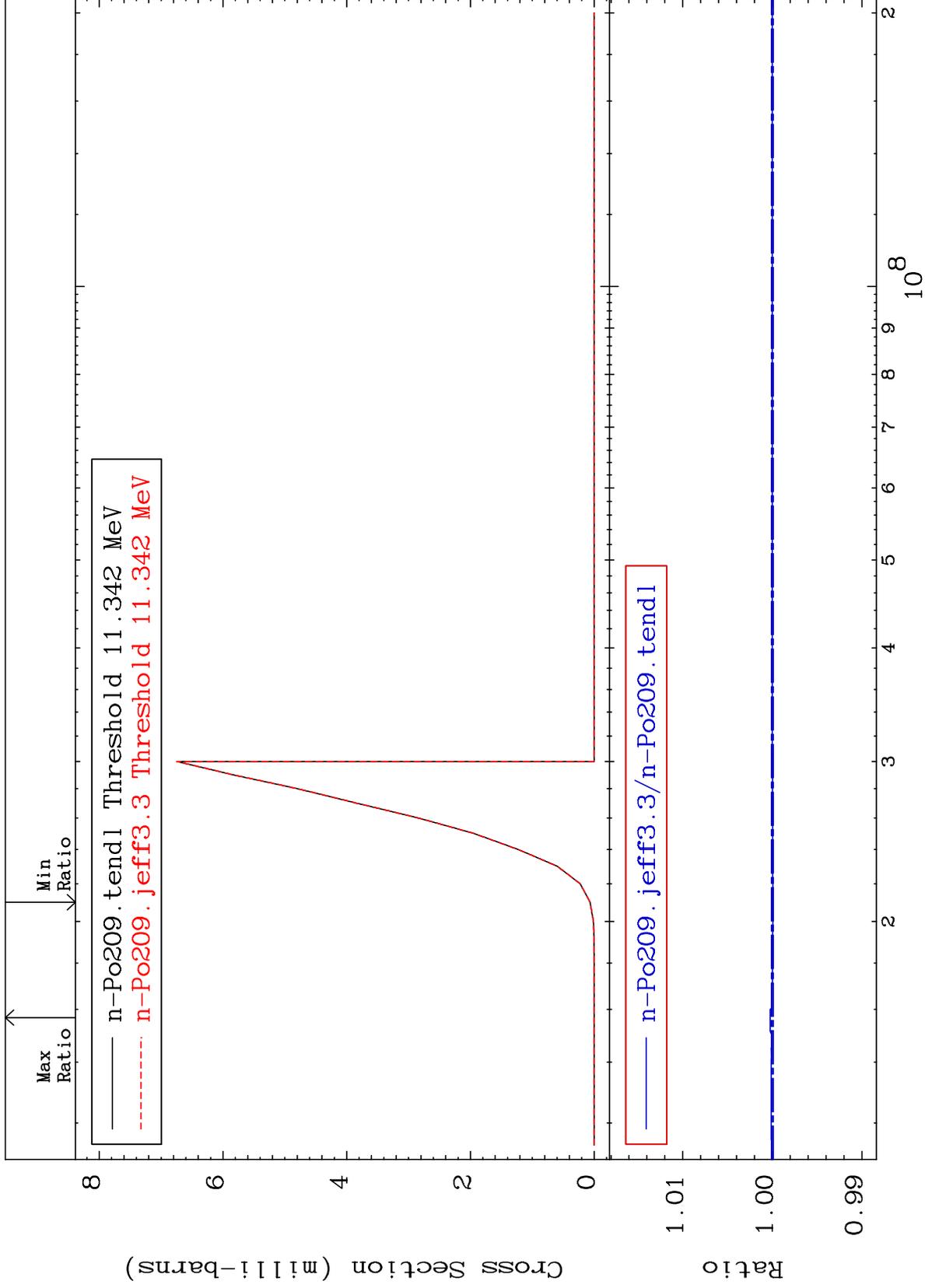
MAT 8434

(n,n') t

84-Po-209

Cross Section

-0.007 To 0.025 %



14

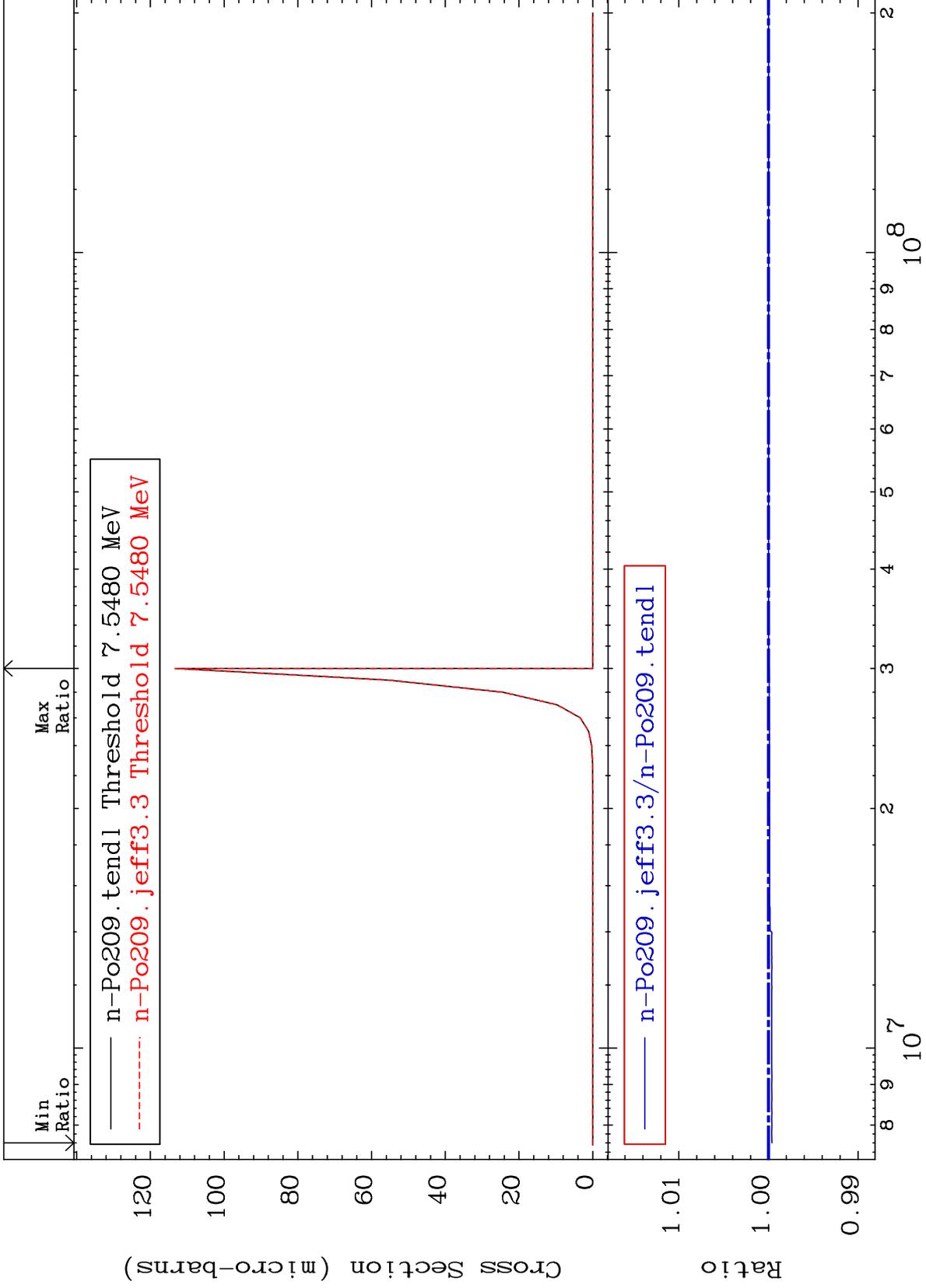
Incident Energy (eV)

84-Po-209

MAT 8434

(n, n') He-3  
Cross Section

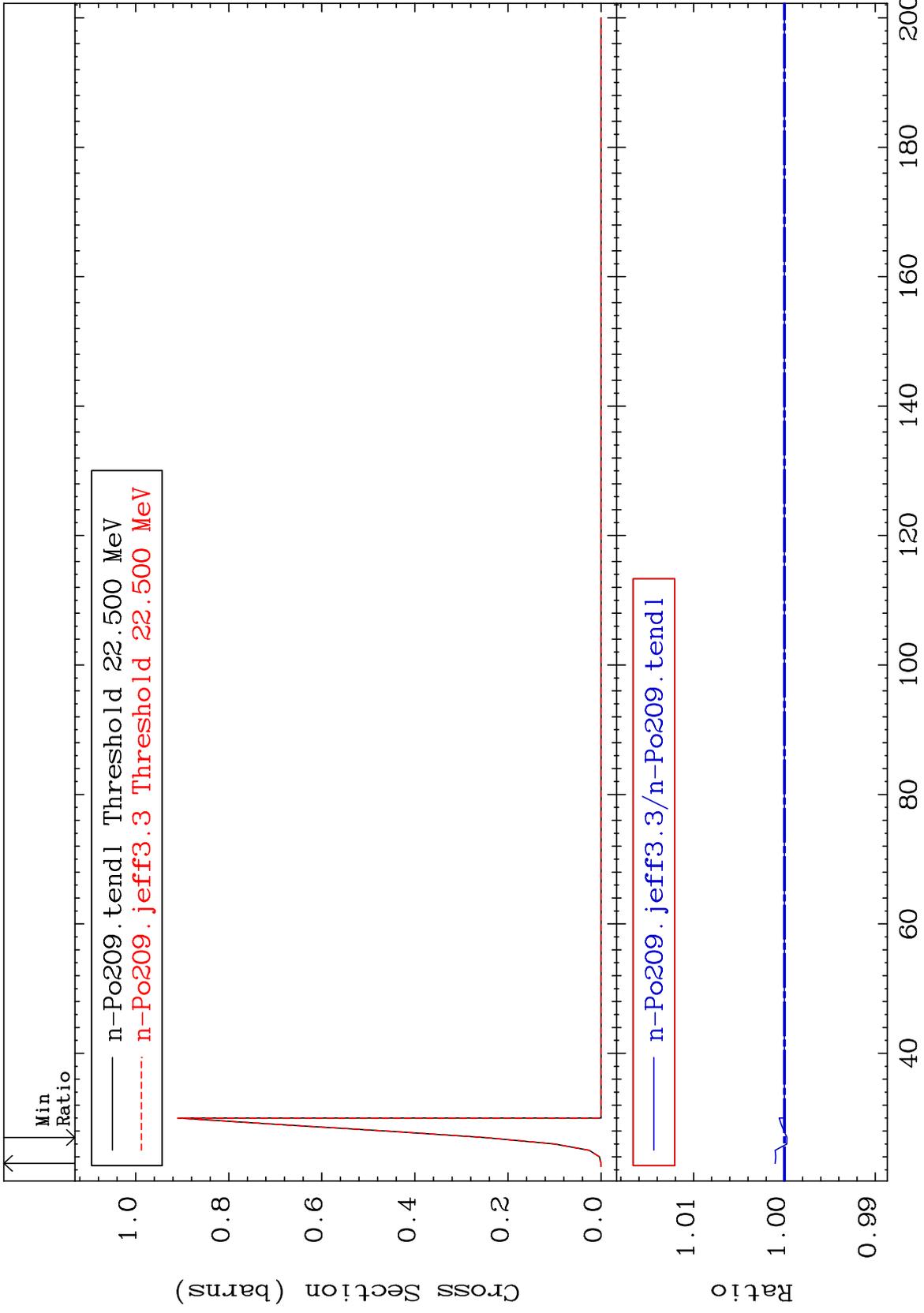
84-Po-209  
-0.037 To 0.000 %



15

Incident Energy (eV)

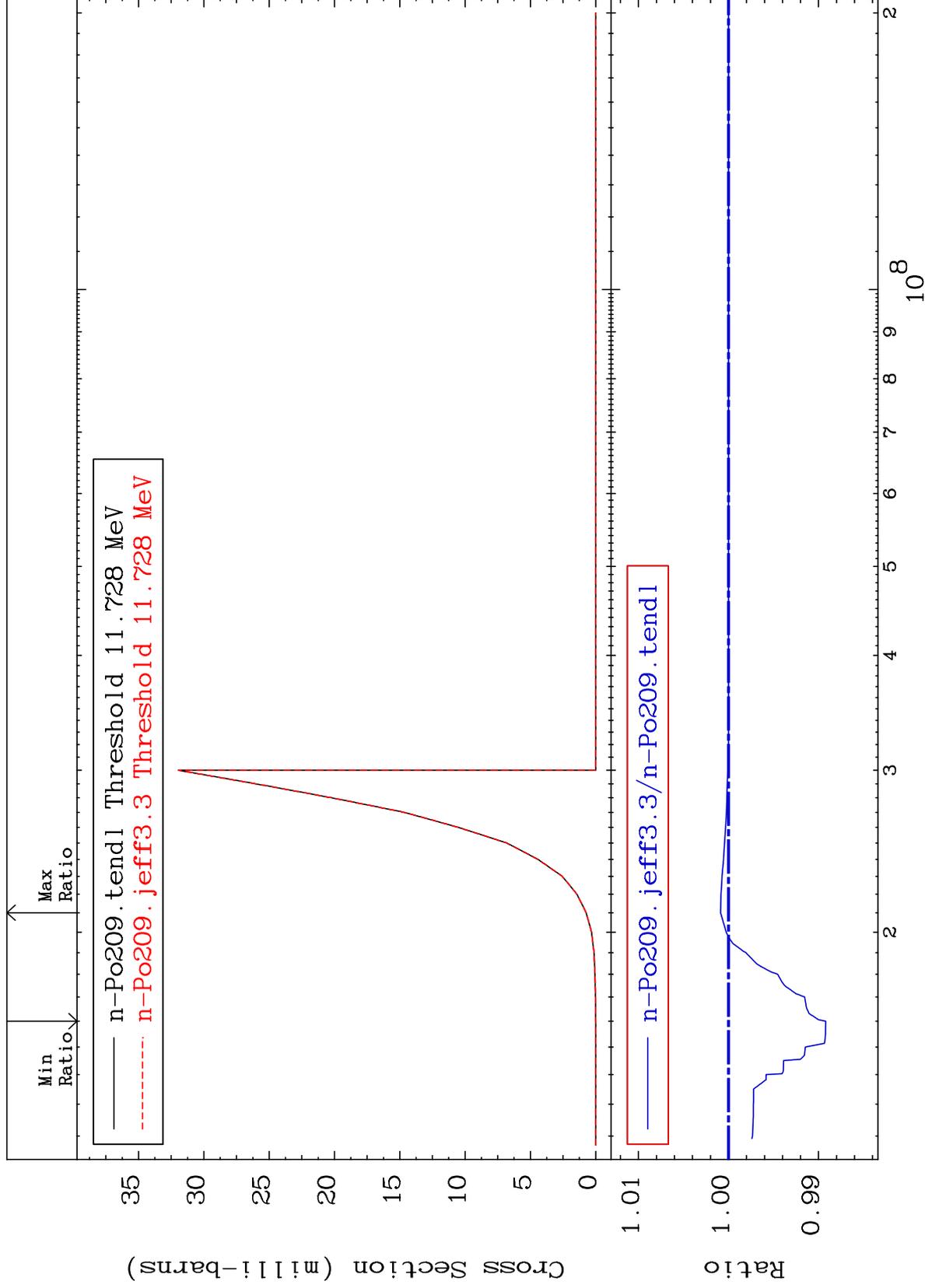
84-Po-209



MAT 8434

(n,2n) p  
Cross Section

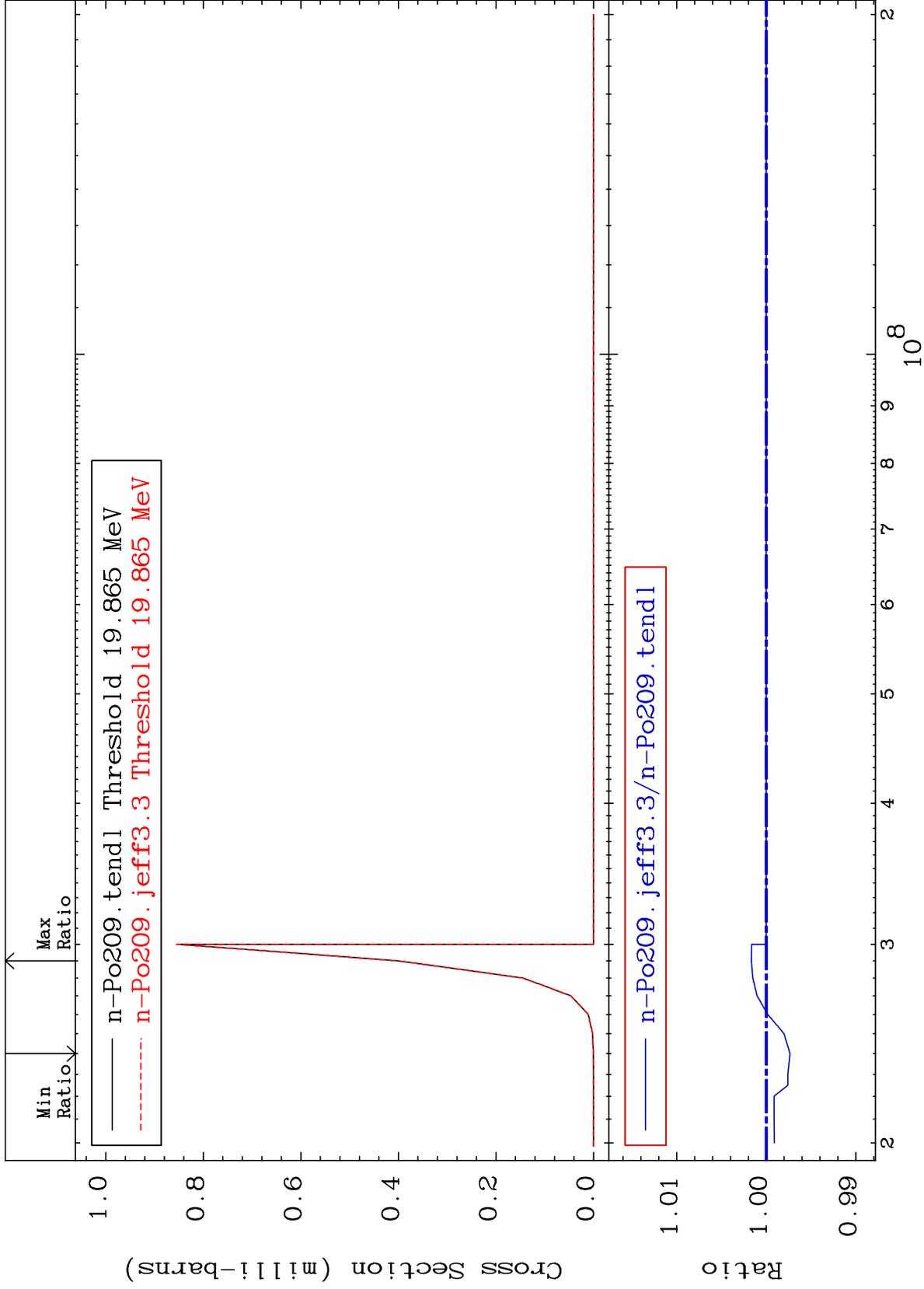
84-Po-209  
-1.079 To 0.088 %



MAT 8434

(n,3n) p  
Cross Section

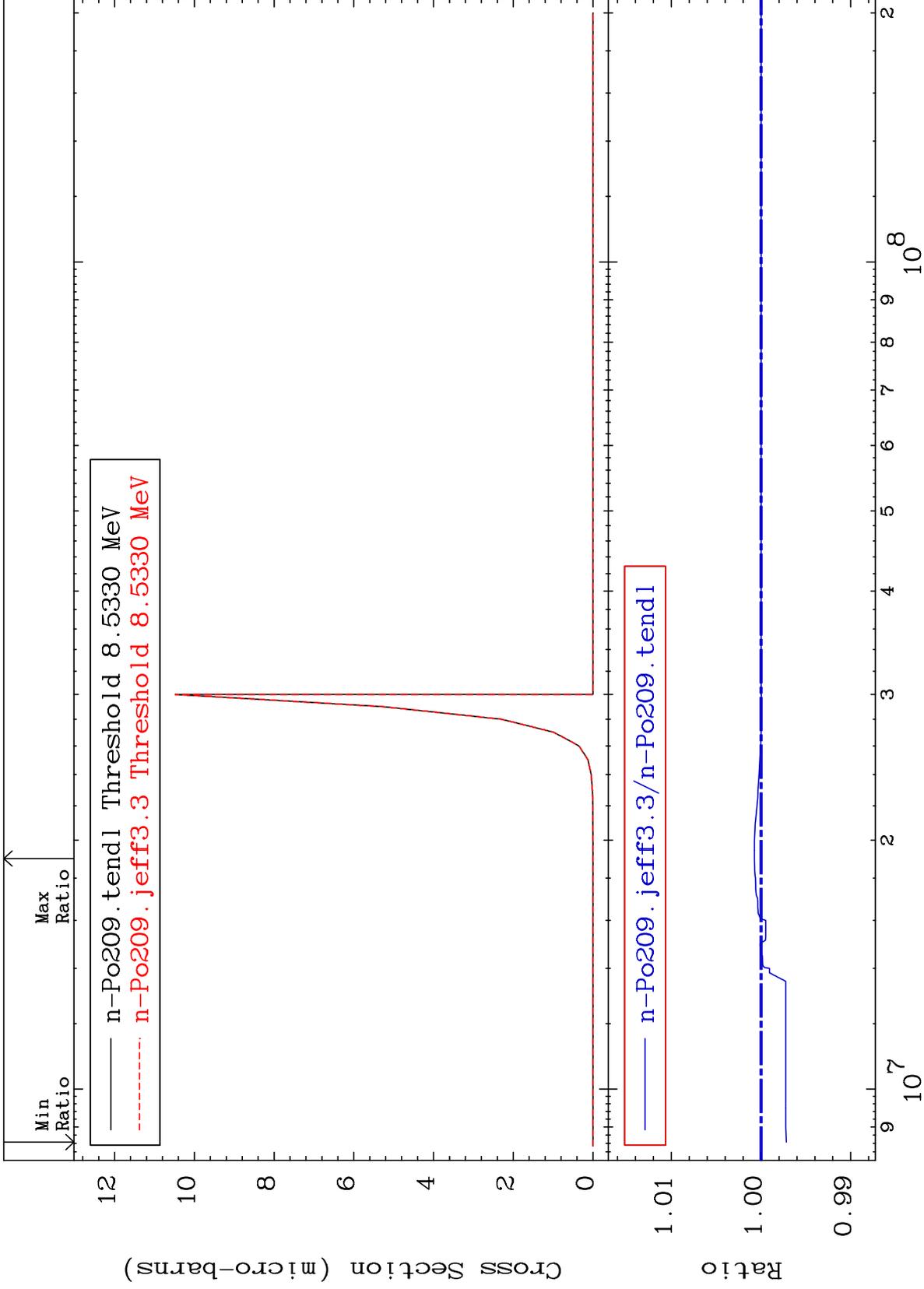
84-Po-209  
-0.265 To 0.167 %



MAT 8434

(n,2n) p  
Cross Section

84-Po-209  
-0.283 To 0.074 %



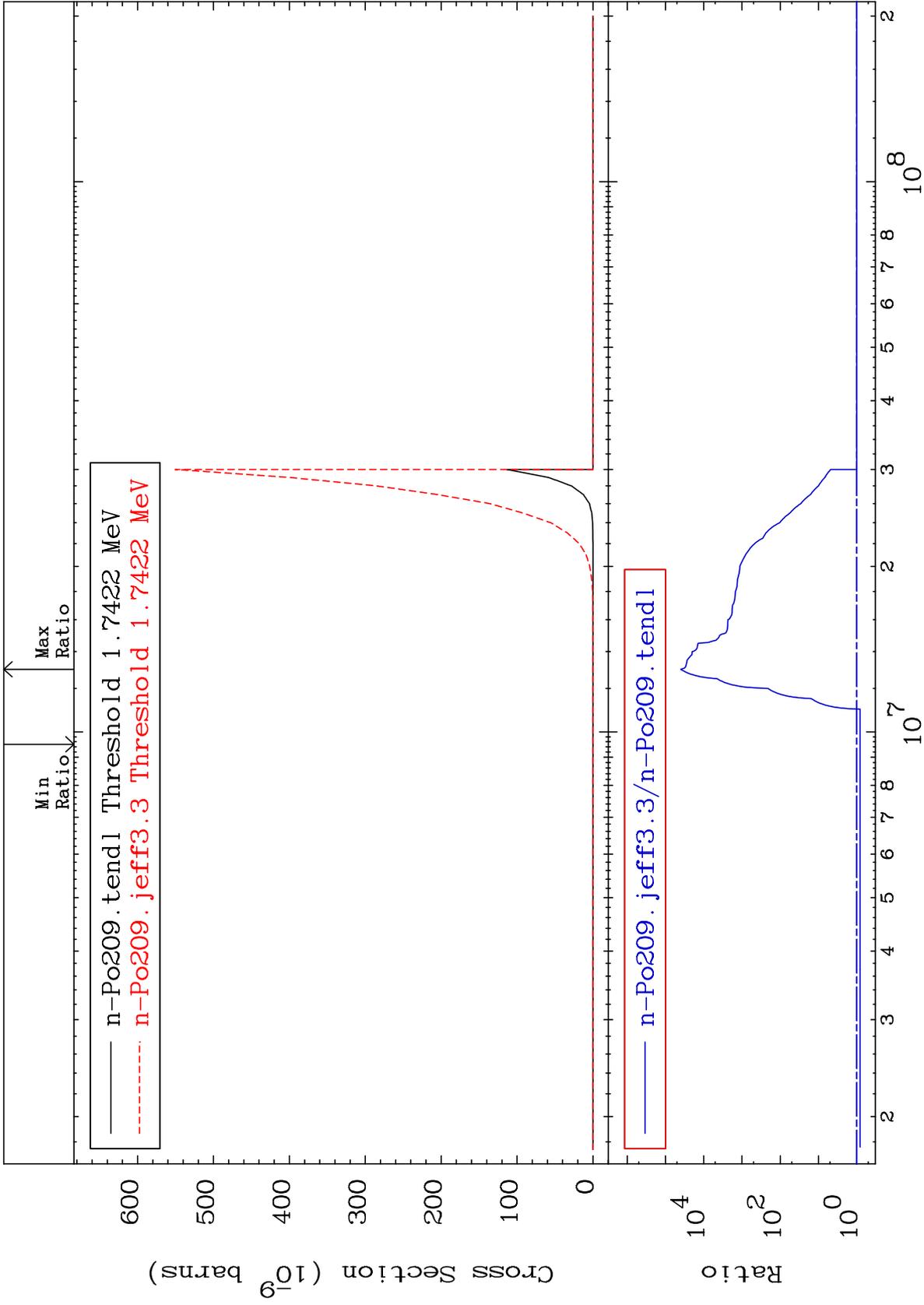
19

84-Po-209

84-Po-209

Cross Section

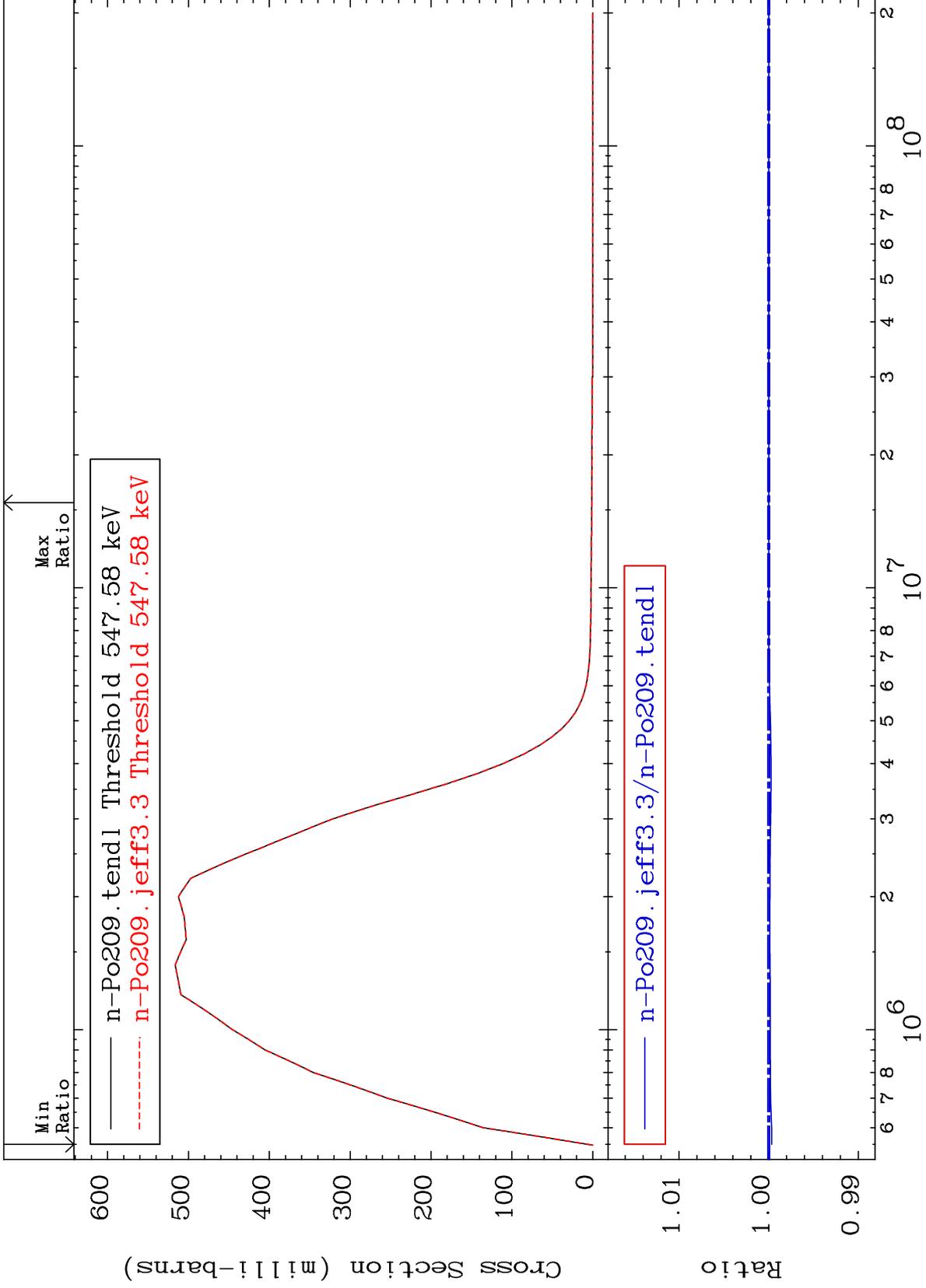
-17.95 To 9999. %



MAT 8434

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

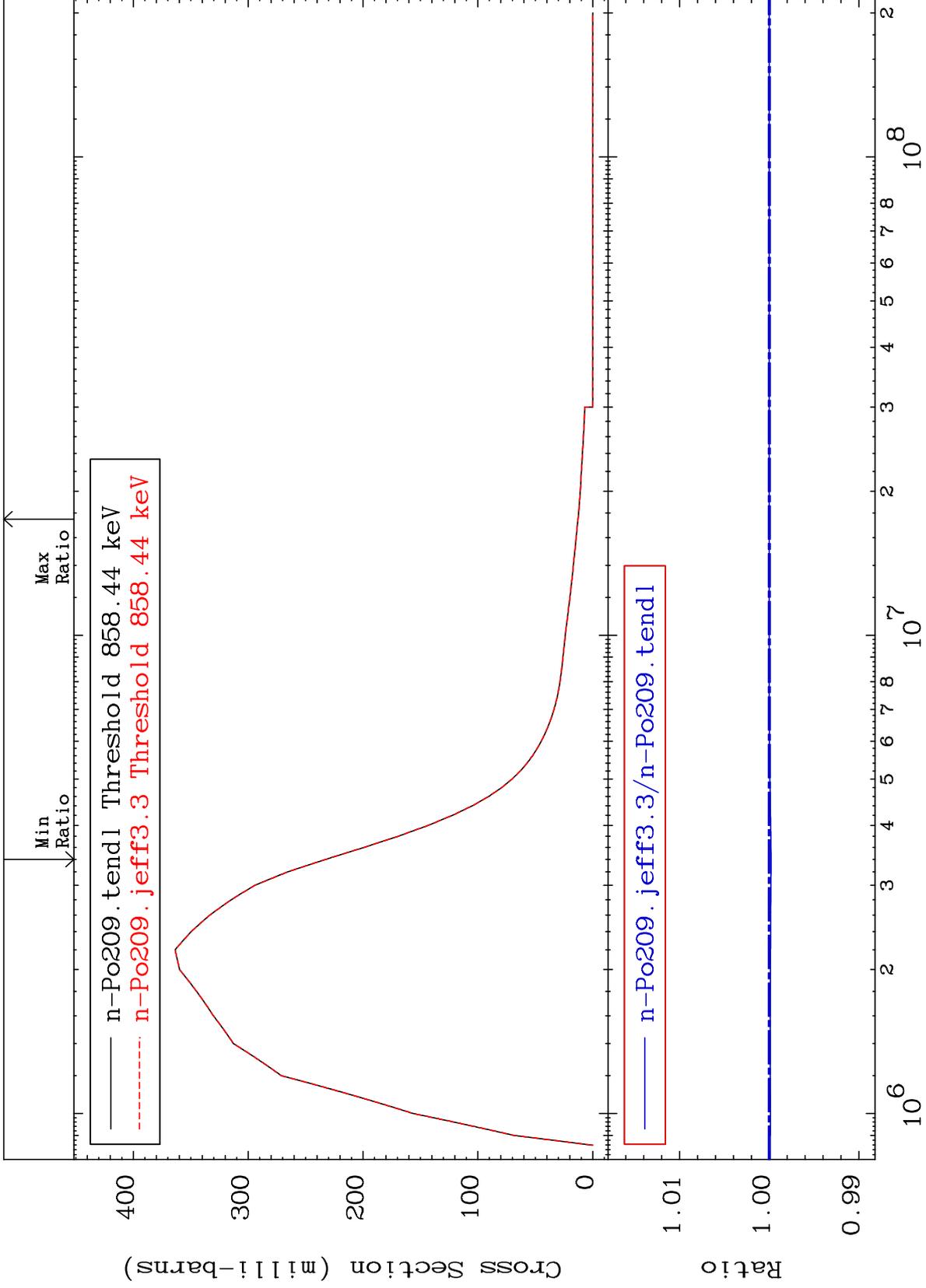
84-Po-209  
-0.033 To 0.000 %



MAT 8434

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

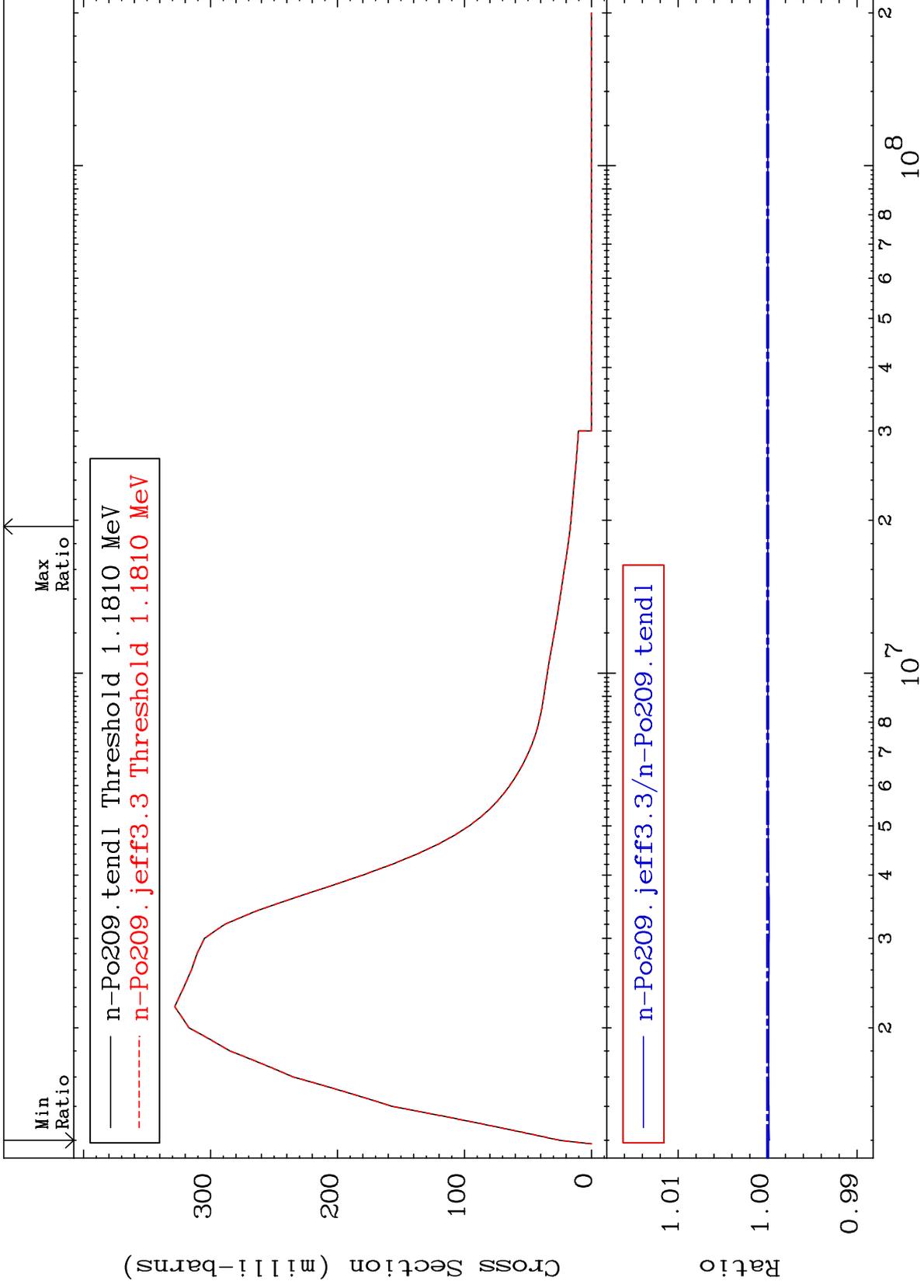
84-Po-209  
-0.019 To 0.000 %



MAT 8434

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

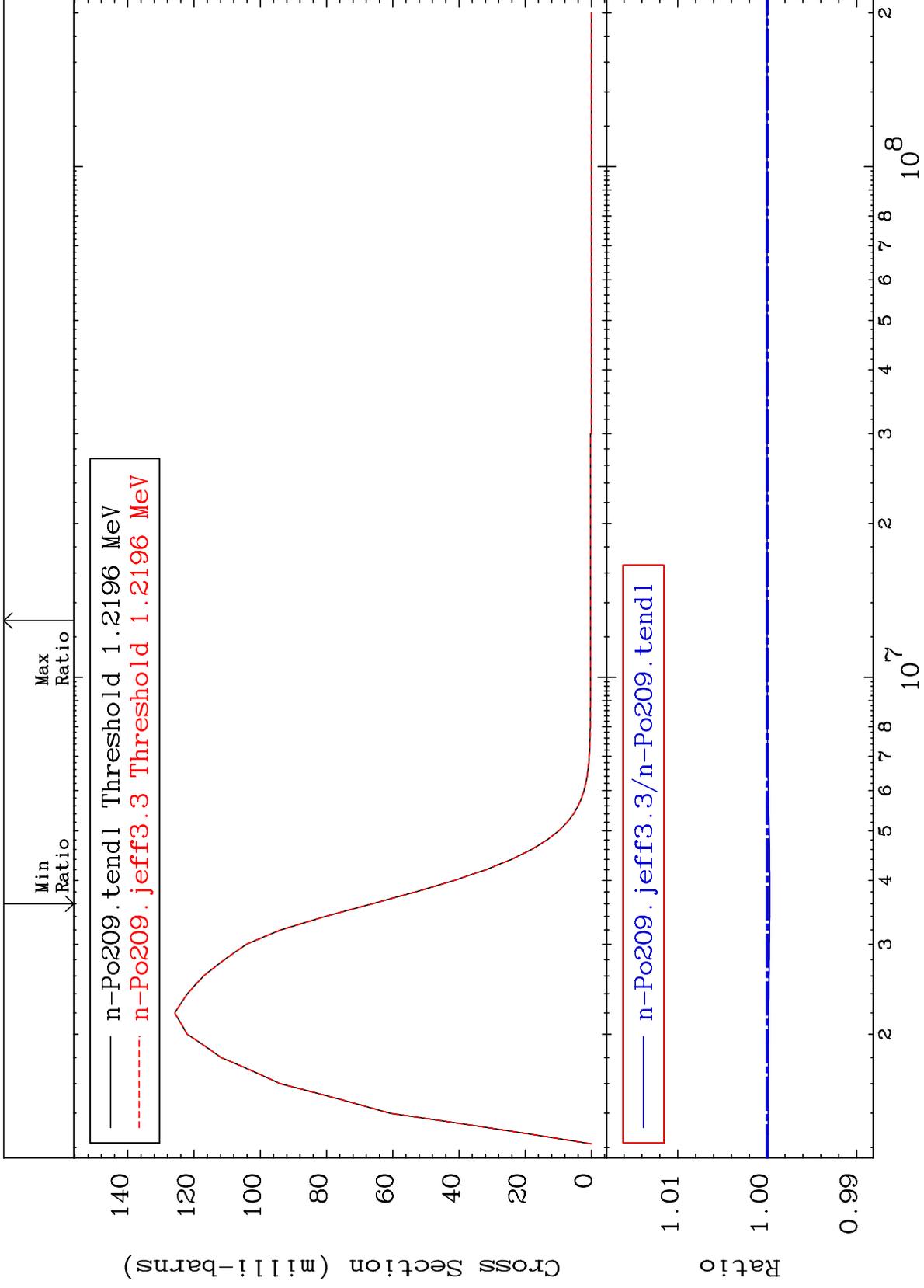
84-Po-209  
-0.019 To 0.000 %



MAT 8434

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

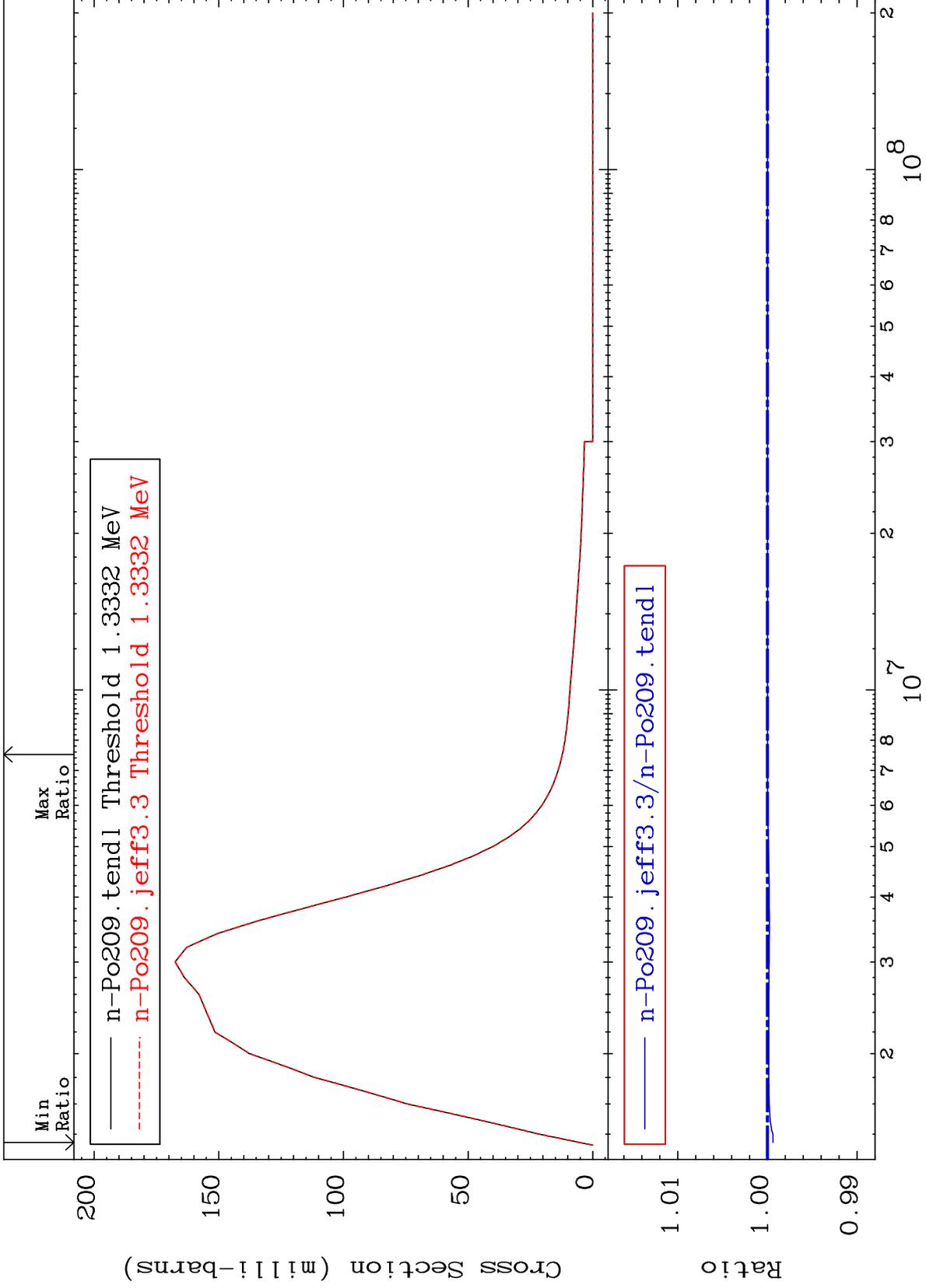
84-Po-209  
-0.029 To 0.000 %



MAT 8434

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

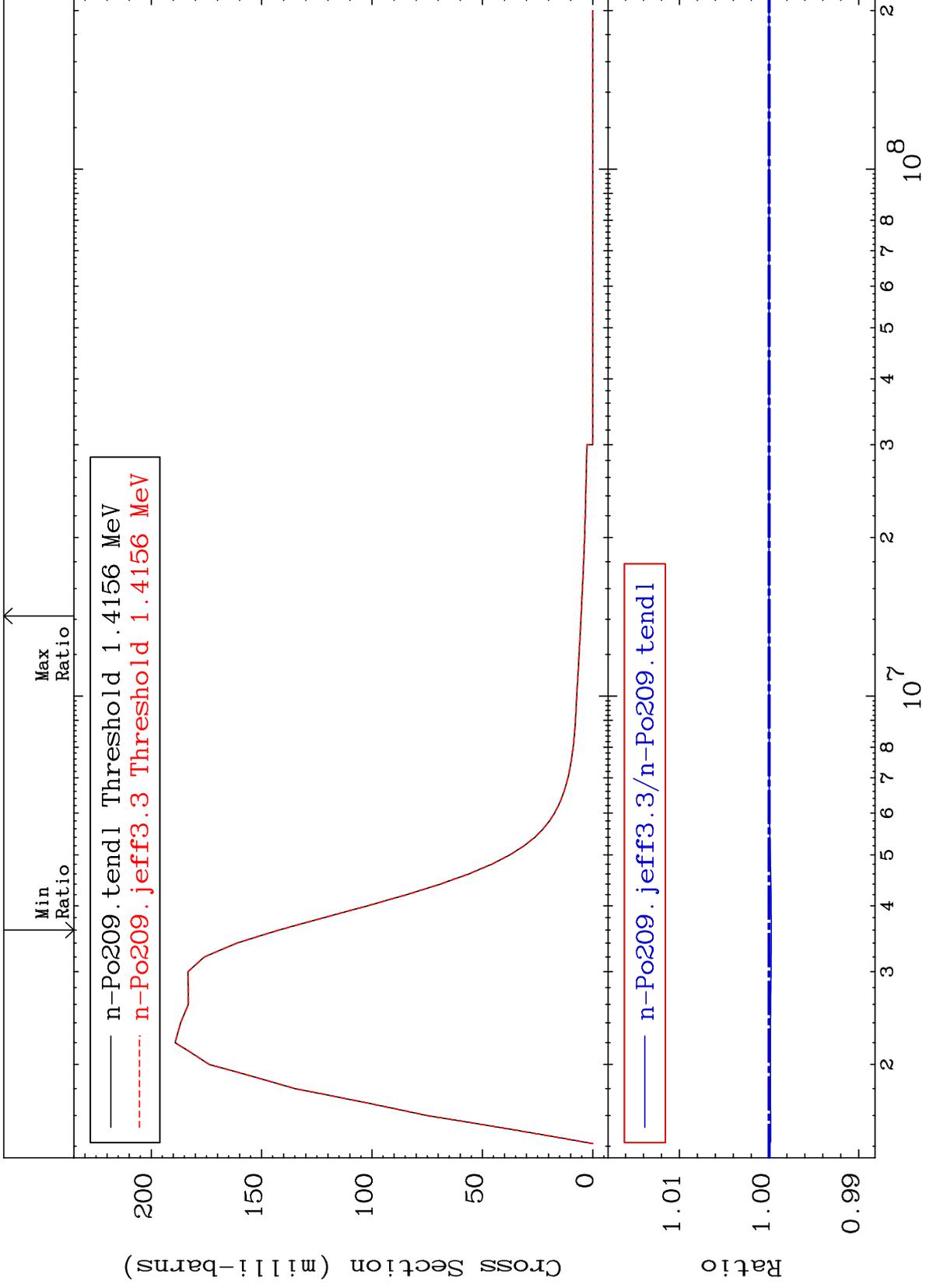
84-Po-209  
-0.061 To 0.000 %



MAT 8434

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

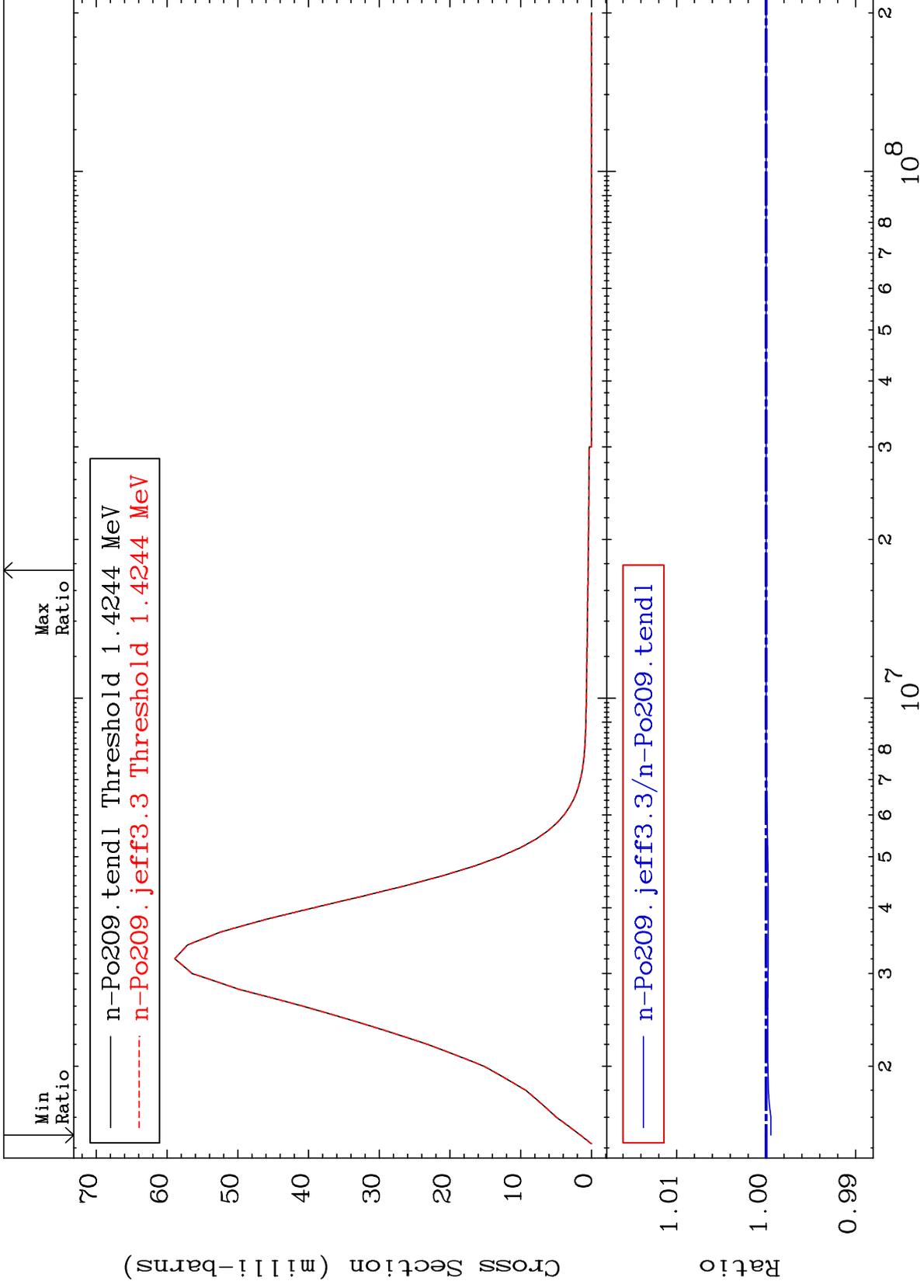
84-Po-209  
-0.024 To 0.000 %



MAT 8434

MT= 57 (n, n') Level  
Cross Section

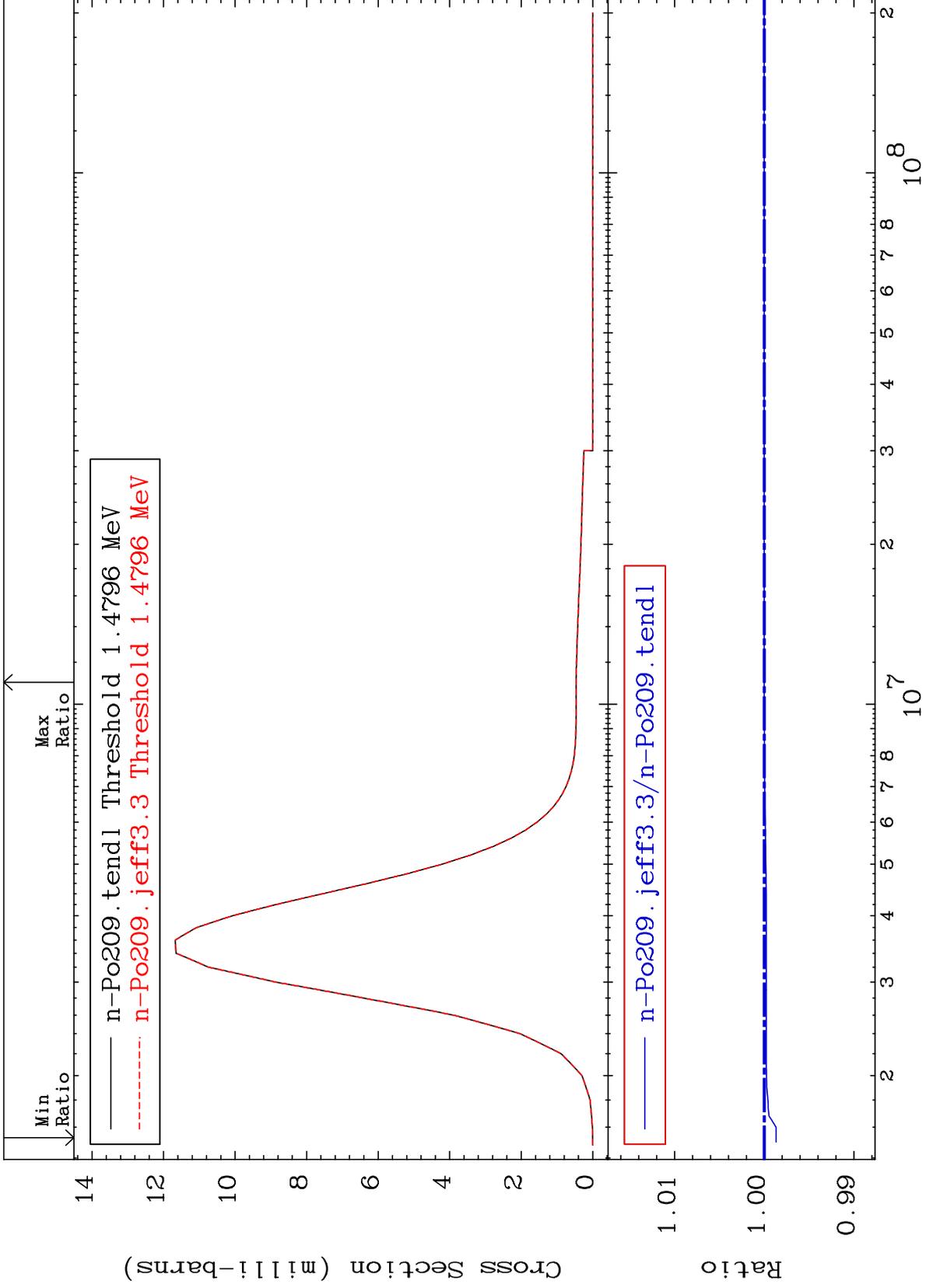
84-Po-209  
-0.054 To 0.000 %



MAT 8434

MT= 58 (n,n') Level  
Cross Section

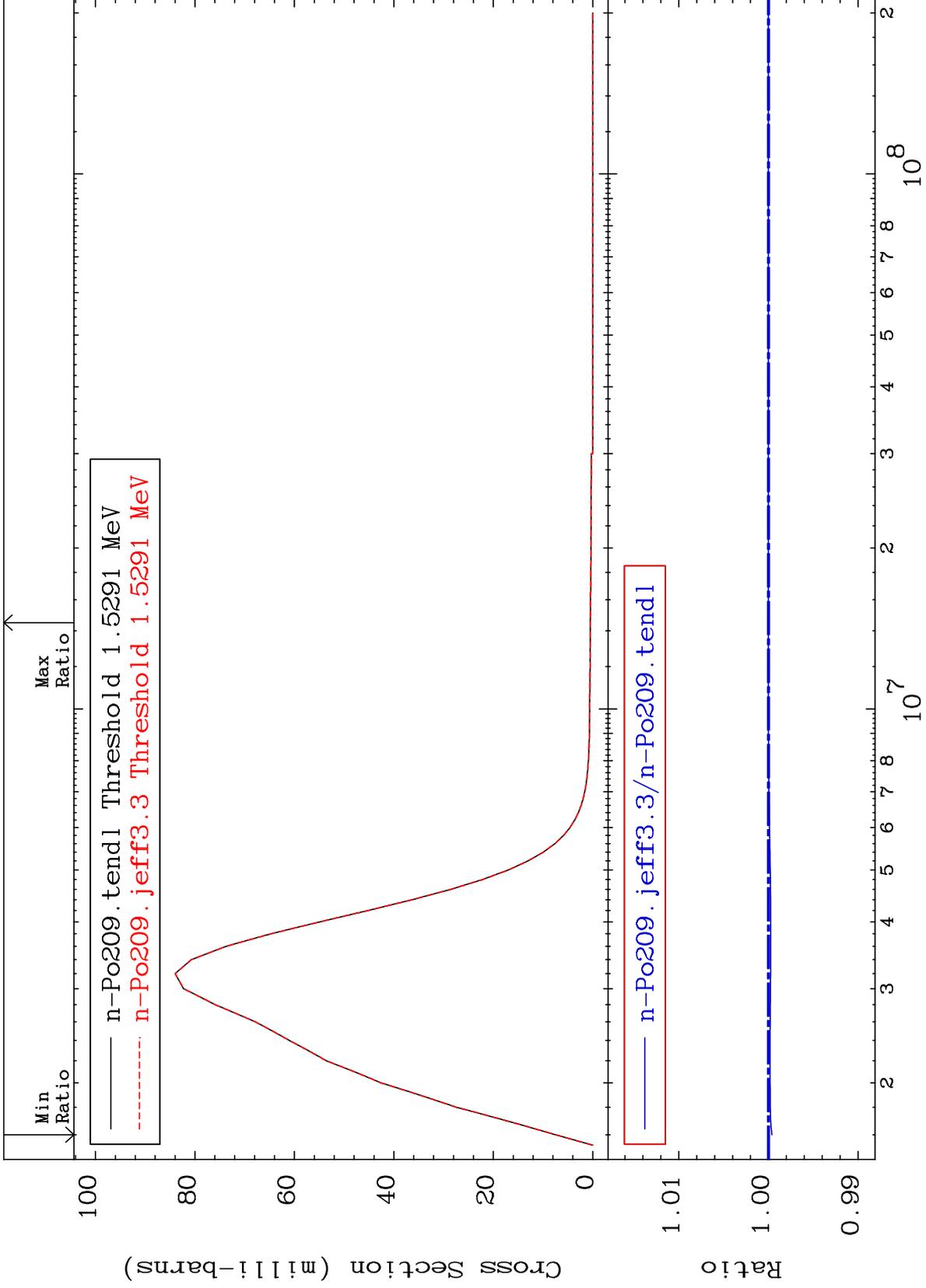
84-Po-209  
-0.131 To 0.000 %



MAT 8434

MT= 59 (n,n') Level  
Cross Section

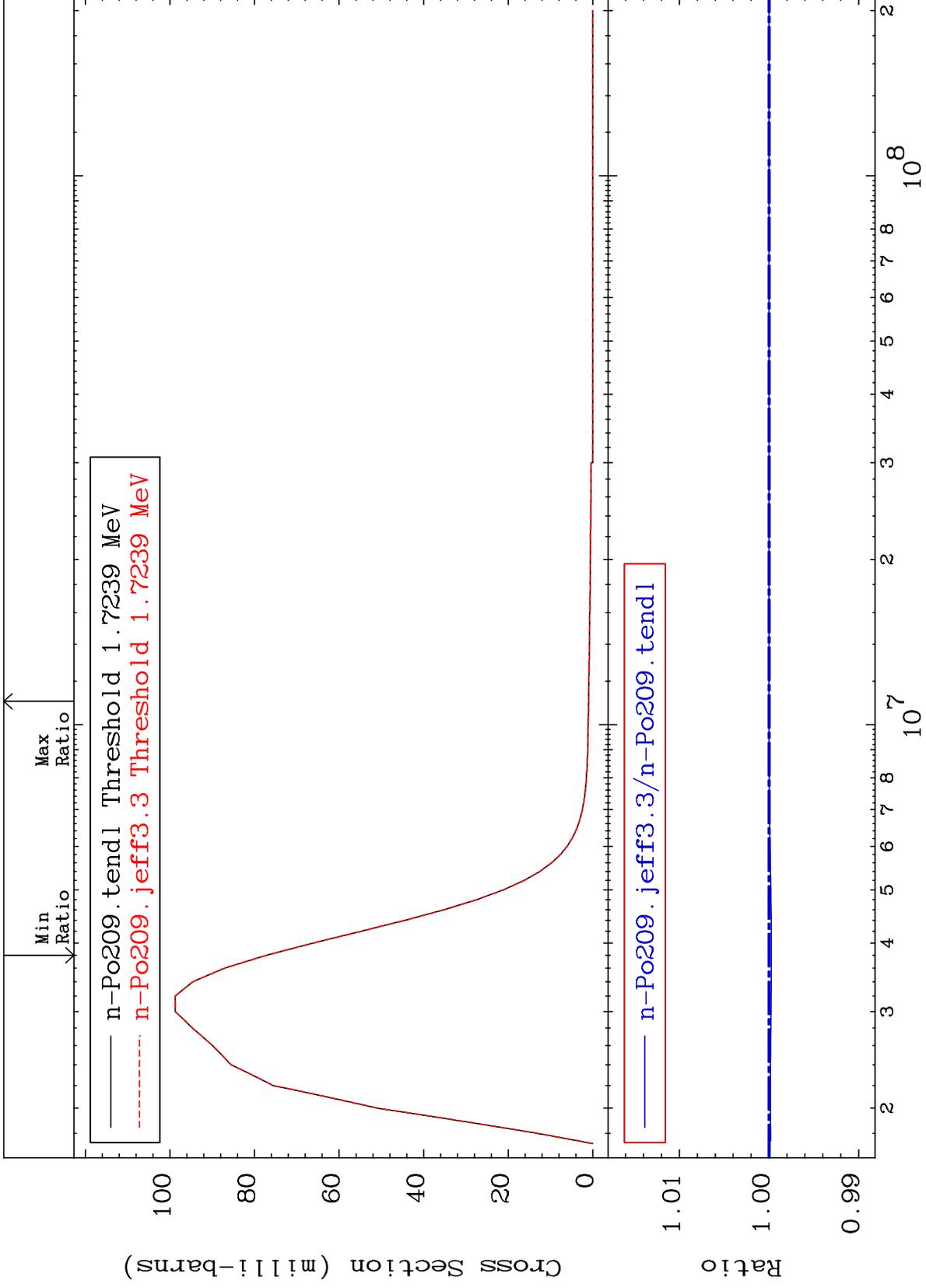
84-Po-209  
-0.039 To 0.000 %



MAT 8434

MT= 60 (n,n') Level  
Cross Section

84-Po-209  
-0.025 To 0.000 %



30

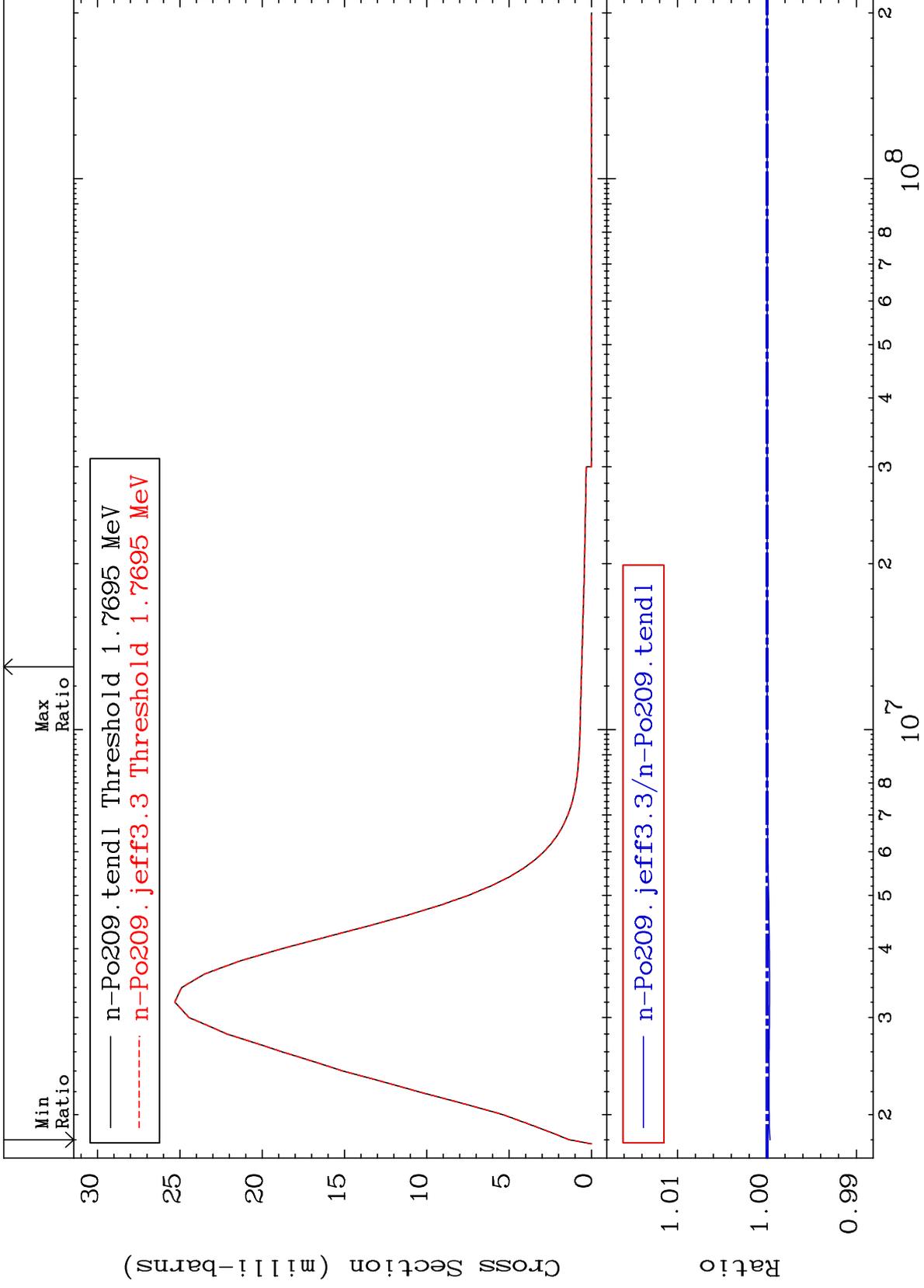
Incident Energy (eV)

84-Po-209

MAT 8434

MT= 61 (n,n') Level  
Cross Section

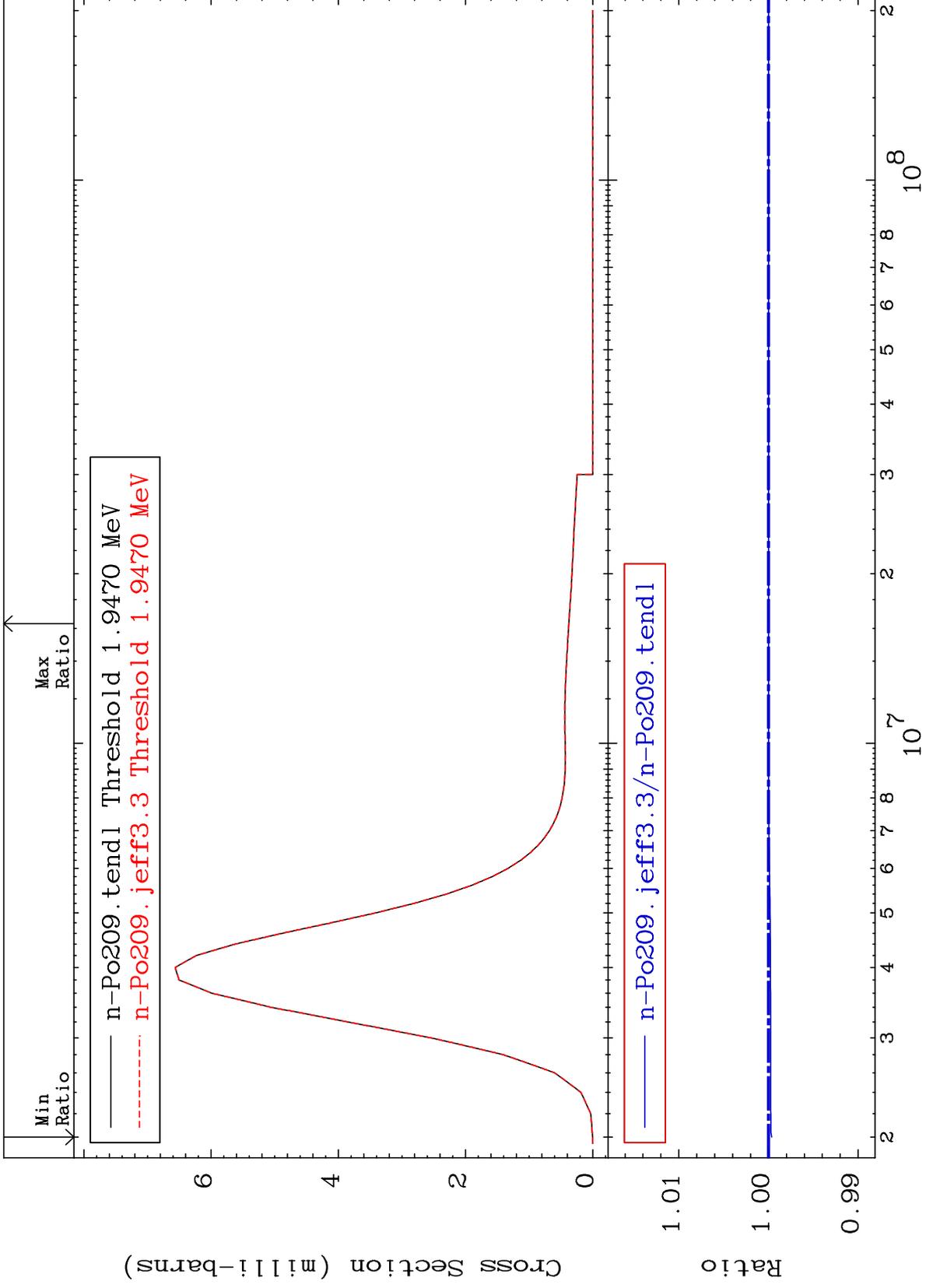
84-Po-209  
-0.032 To 0.000 %



MAT 8434

MT= 62 (n,n') Level  
Cross Section

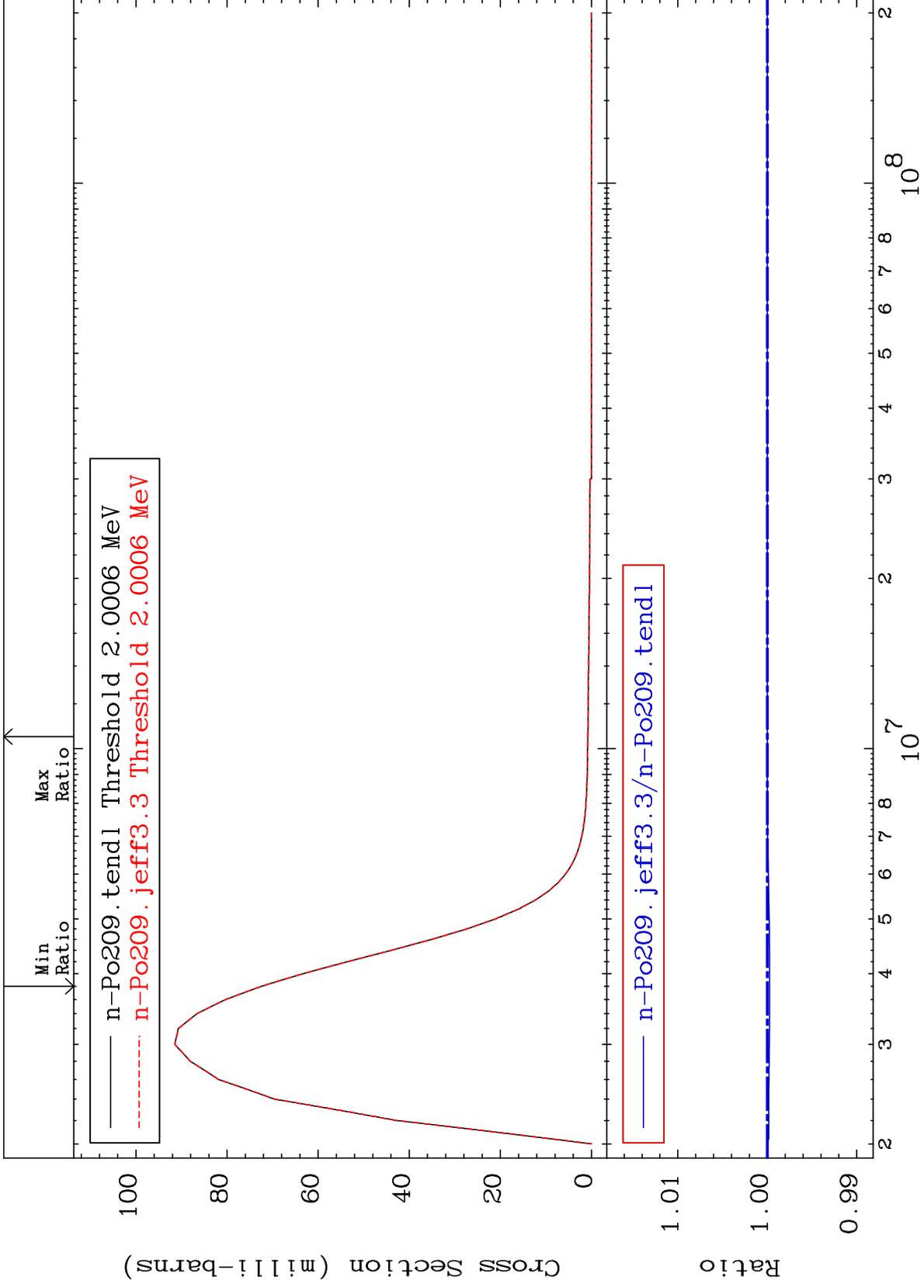
84-Po-209  
-0.037 To 0.000 %



MAT 8434

MT= 63 (n,n') Level  
Cross Section

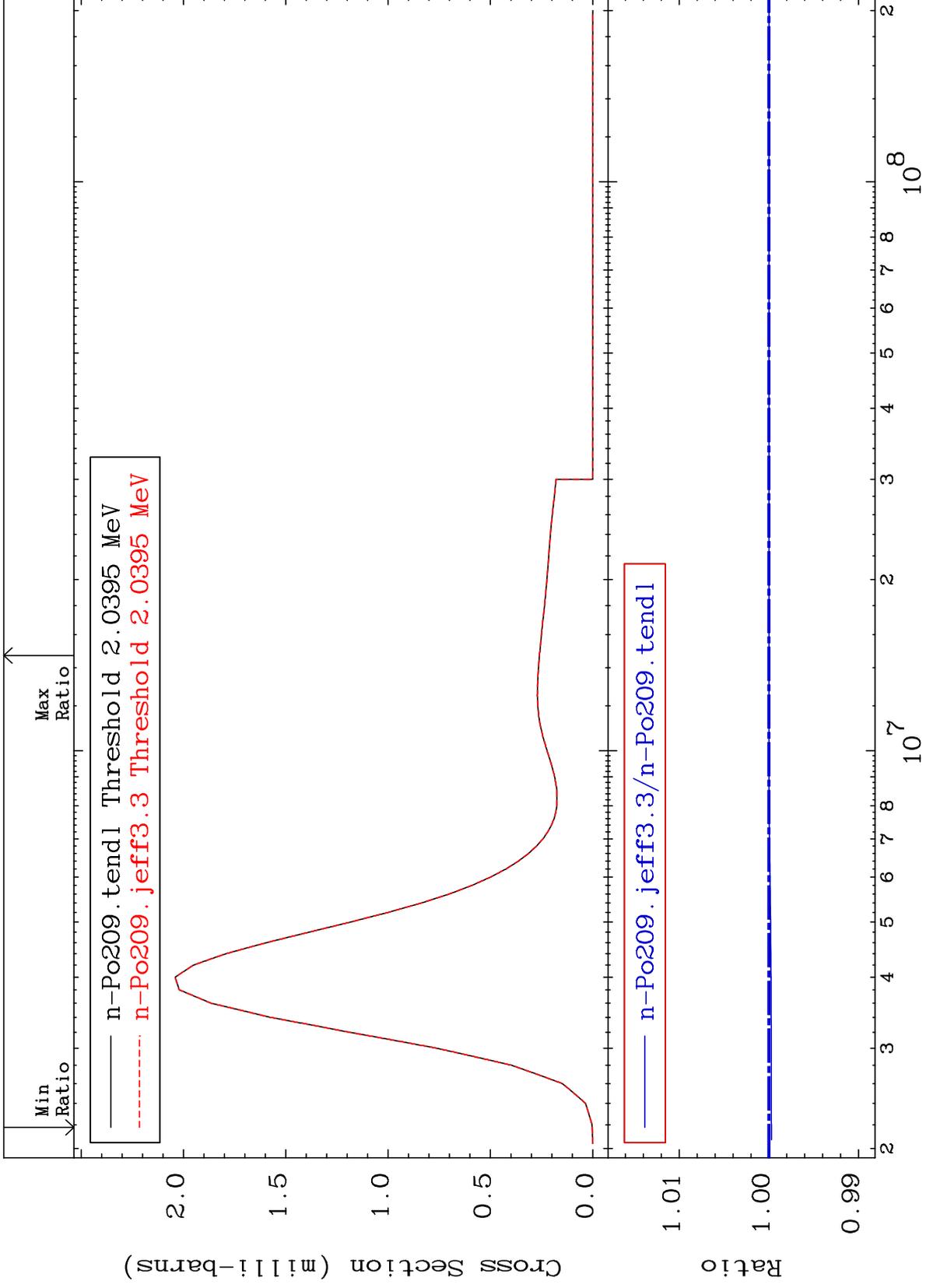
84-Po-209  
-0.027 To 0.000 %



MAT 8434

MT= 64 (n,n') Level  
Cross Section

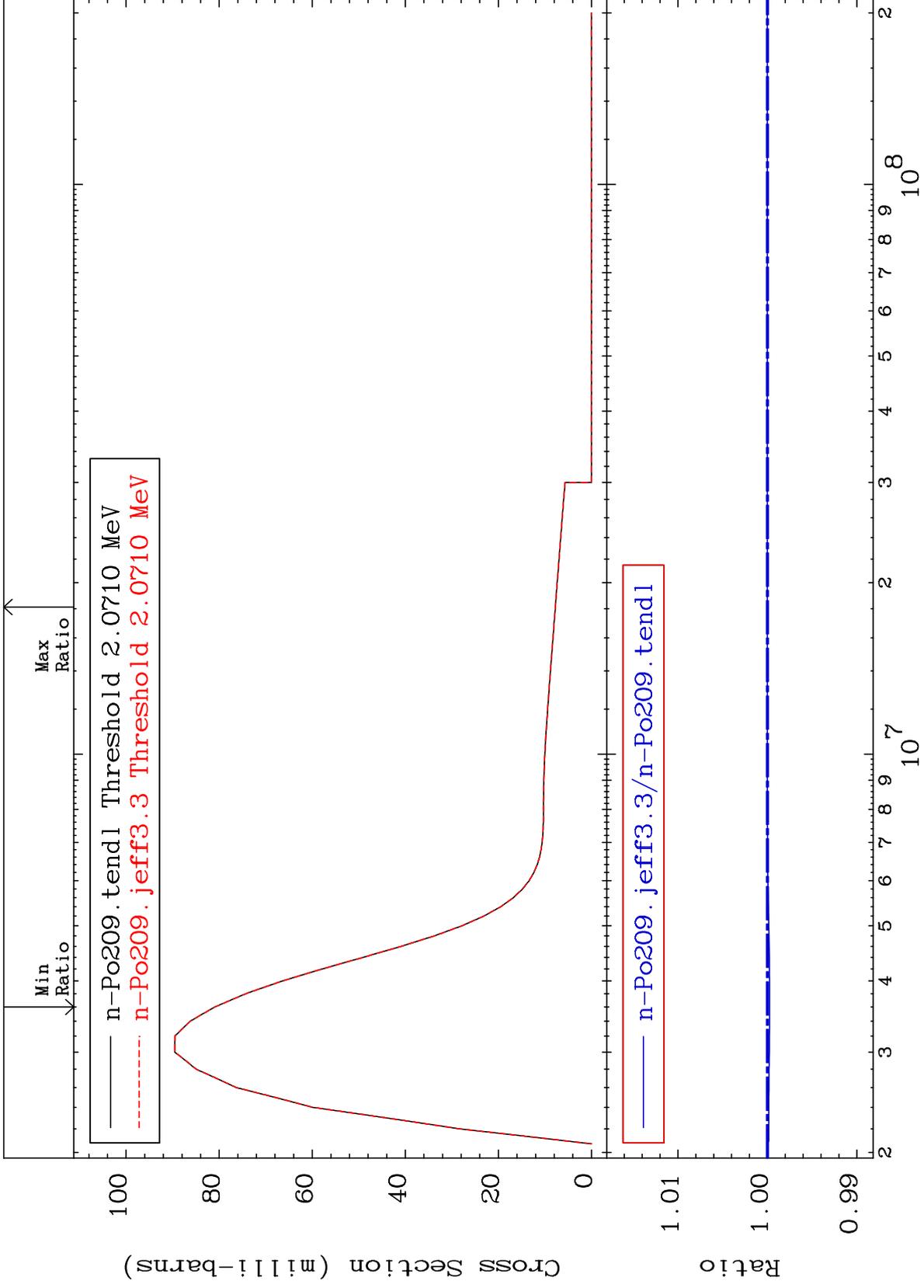
84-Po-209  
-0.028 To 0.000 %



MAT 8434

MT= 65 (n,n') Level  
Cross Section

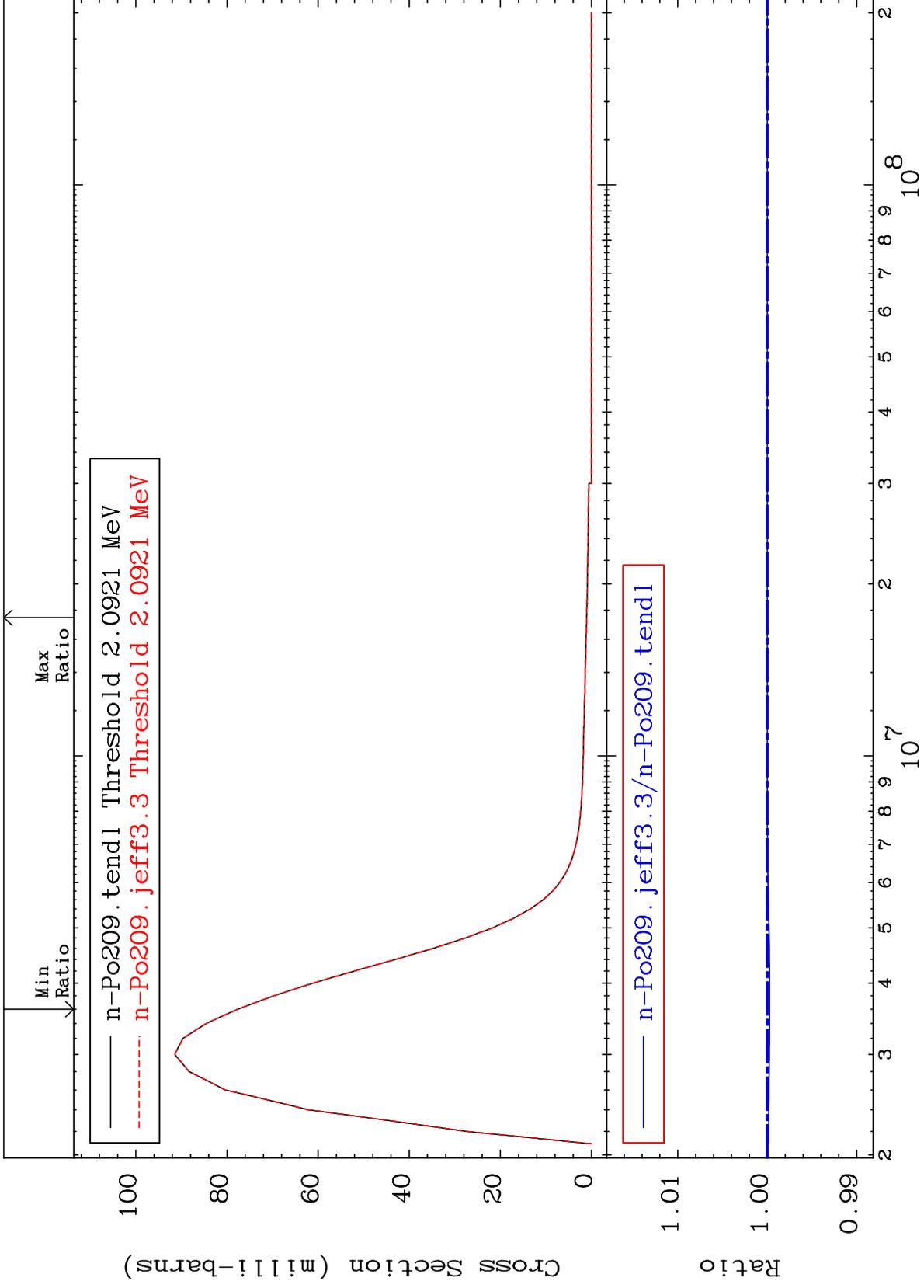
84-Po-209  
-0.025 To 0.000 %



MAT 8434

MT= 66 (n,n') Level  
Cross Section

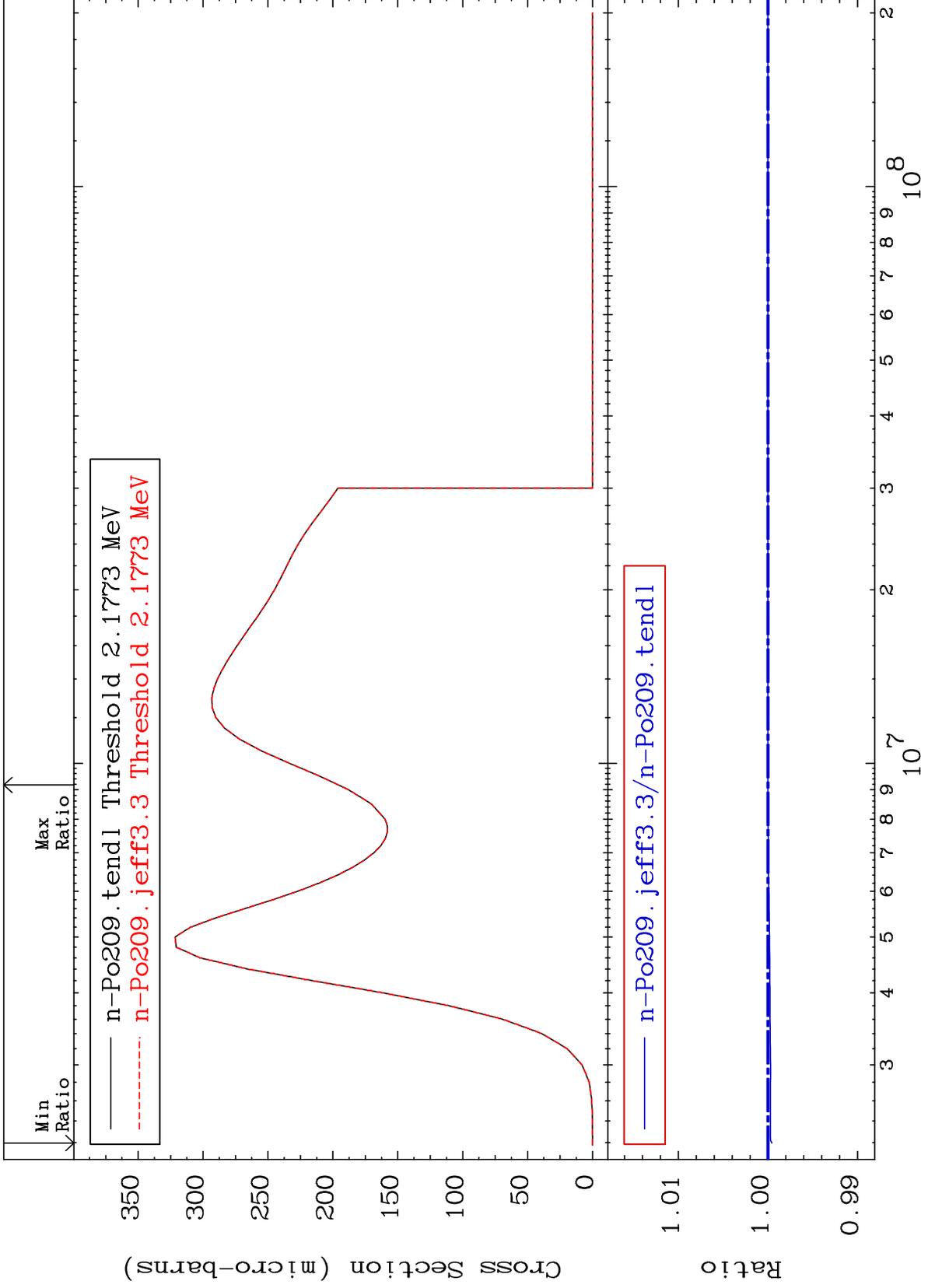
84-Po-209  
-0.027 To 0.000 %



MAT 8434

MT= 67 (n,n') Level  
Cross Section

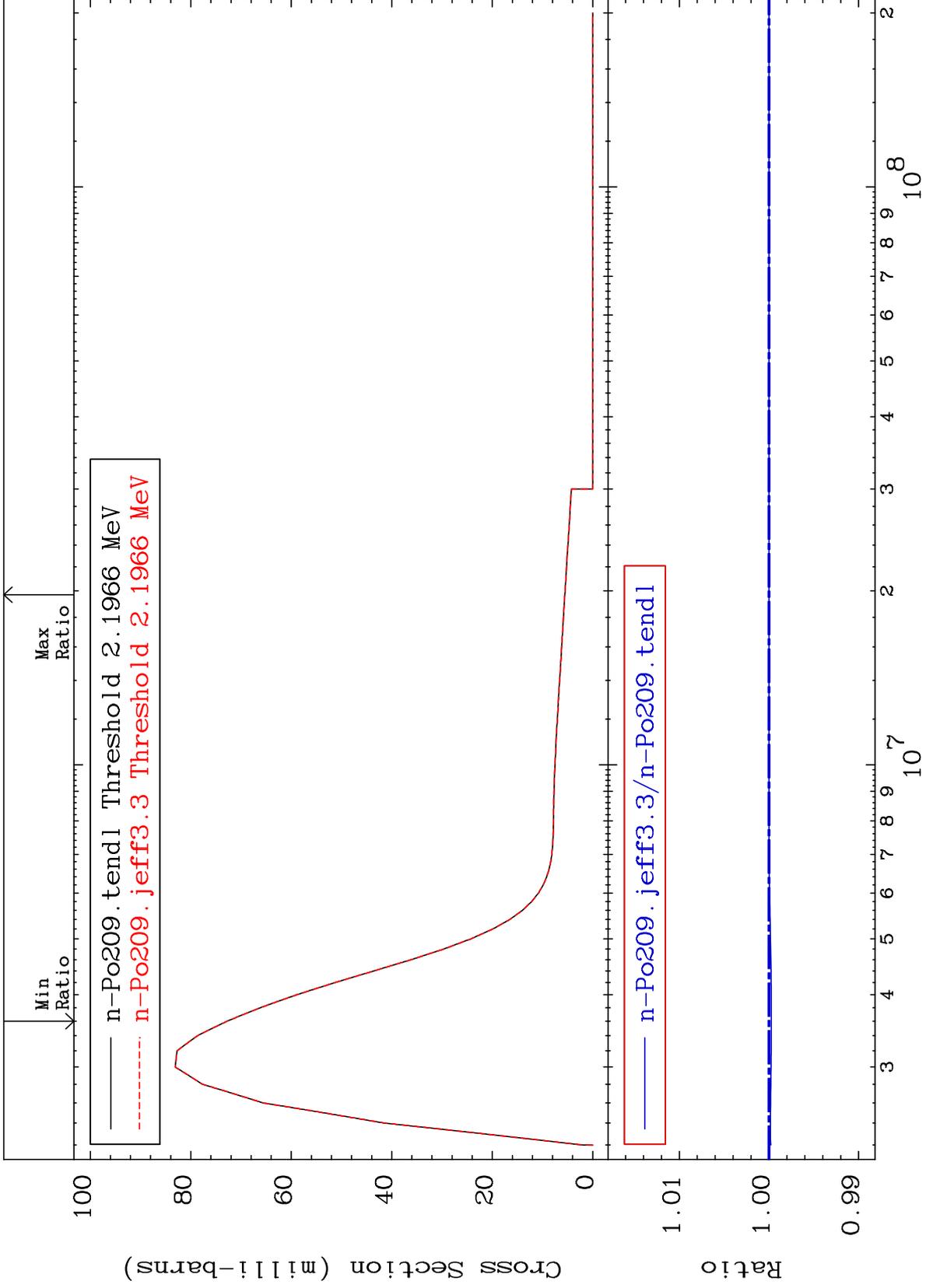
84-Po-209  
-0.043 To 0.000 %



MAT 8434

MT= 68 (n,n') Level  
Cross Section

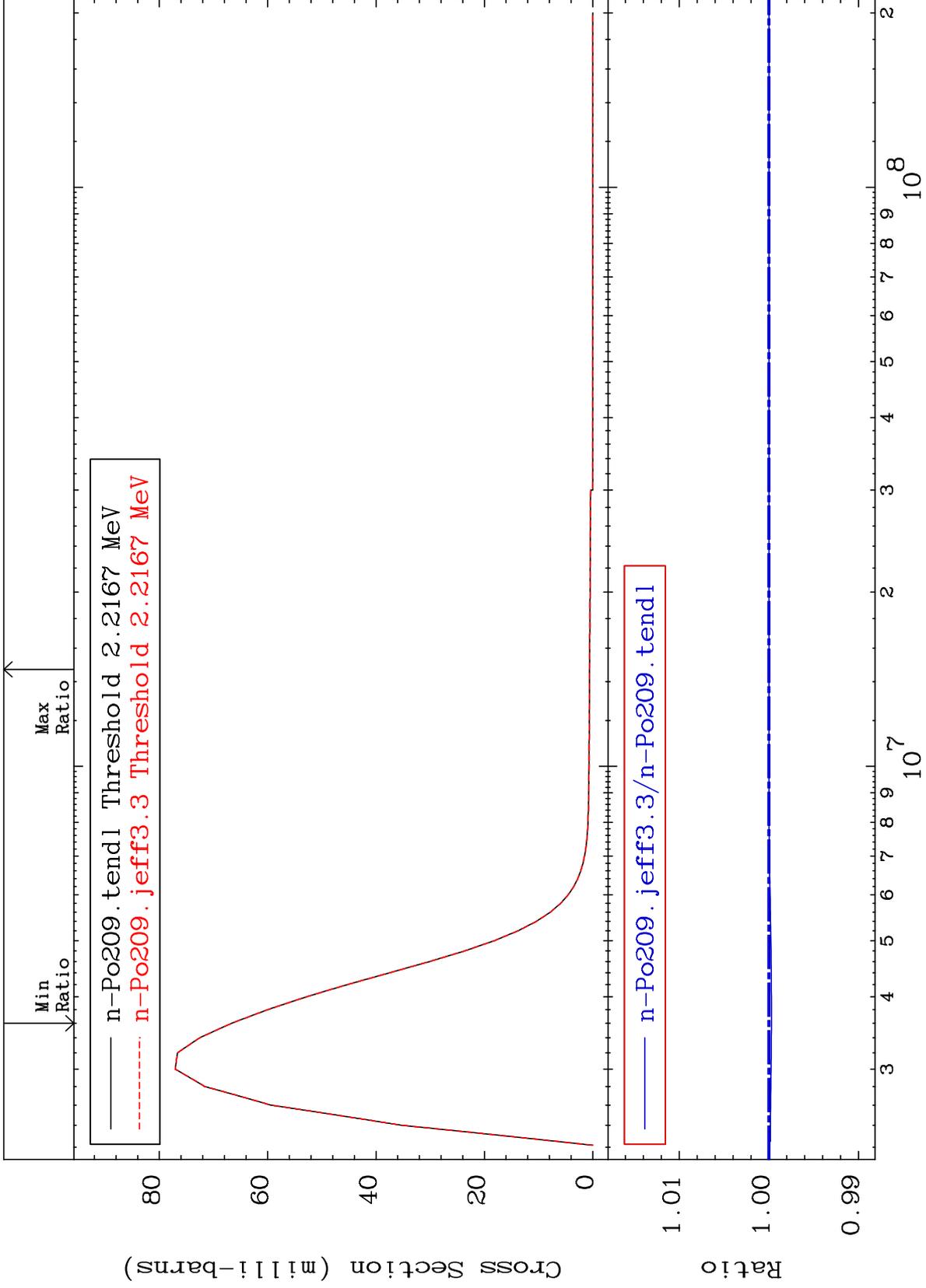
84-Po-209  
-0.026 To 0.000 %



MAT 8434

MT= 69 (n,n') Level  
Cross Section

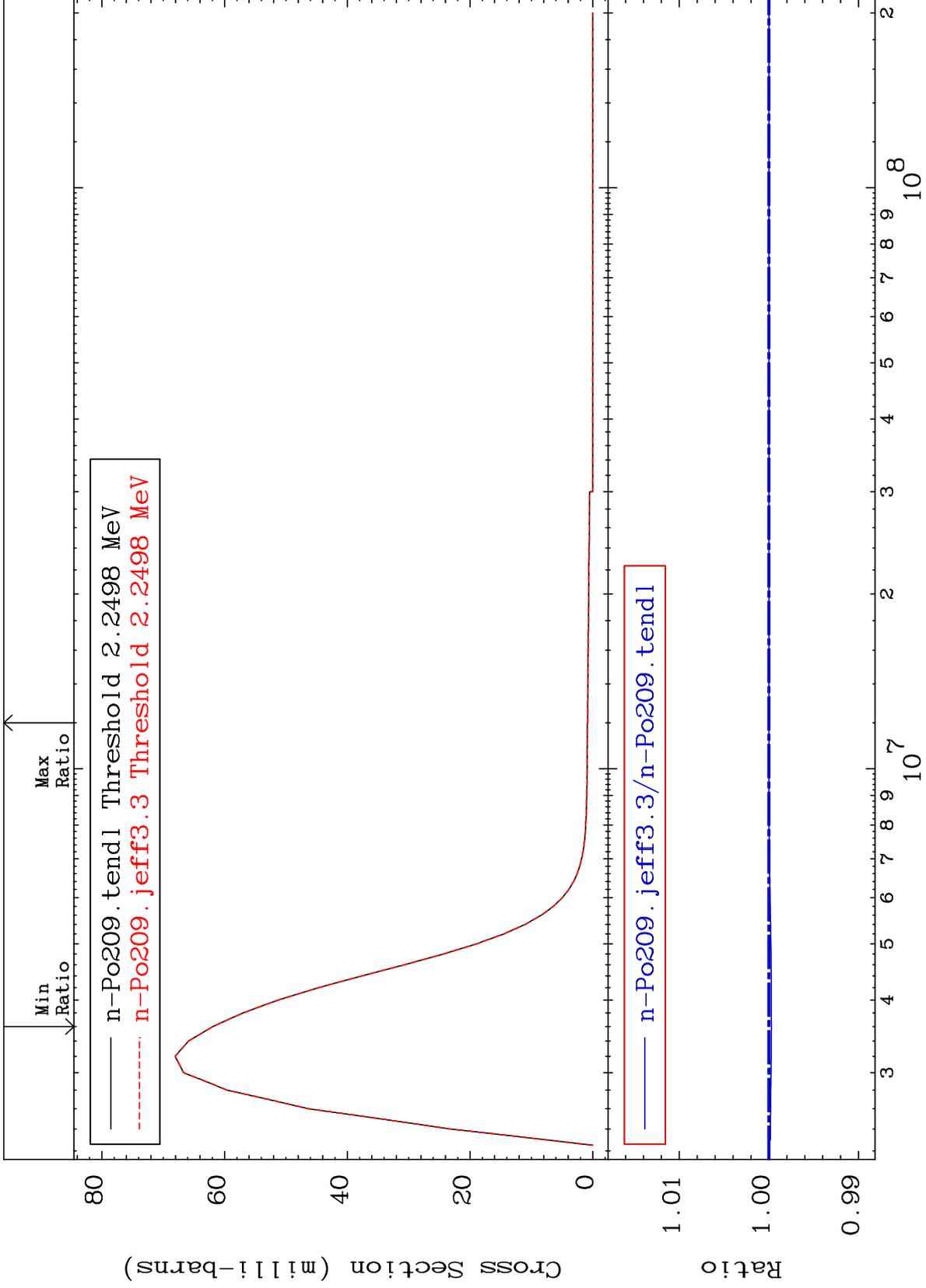
84-Po-209  
-0.028 To 0.000 %



MAT 8434

MT= 70 (n,n') Level  
Cross Section

84-Po-209  
-0.027 To 0.000 %



40

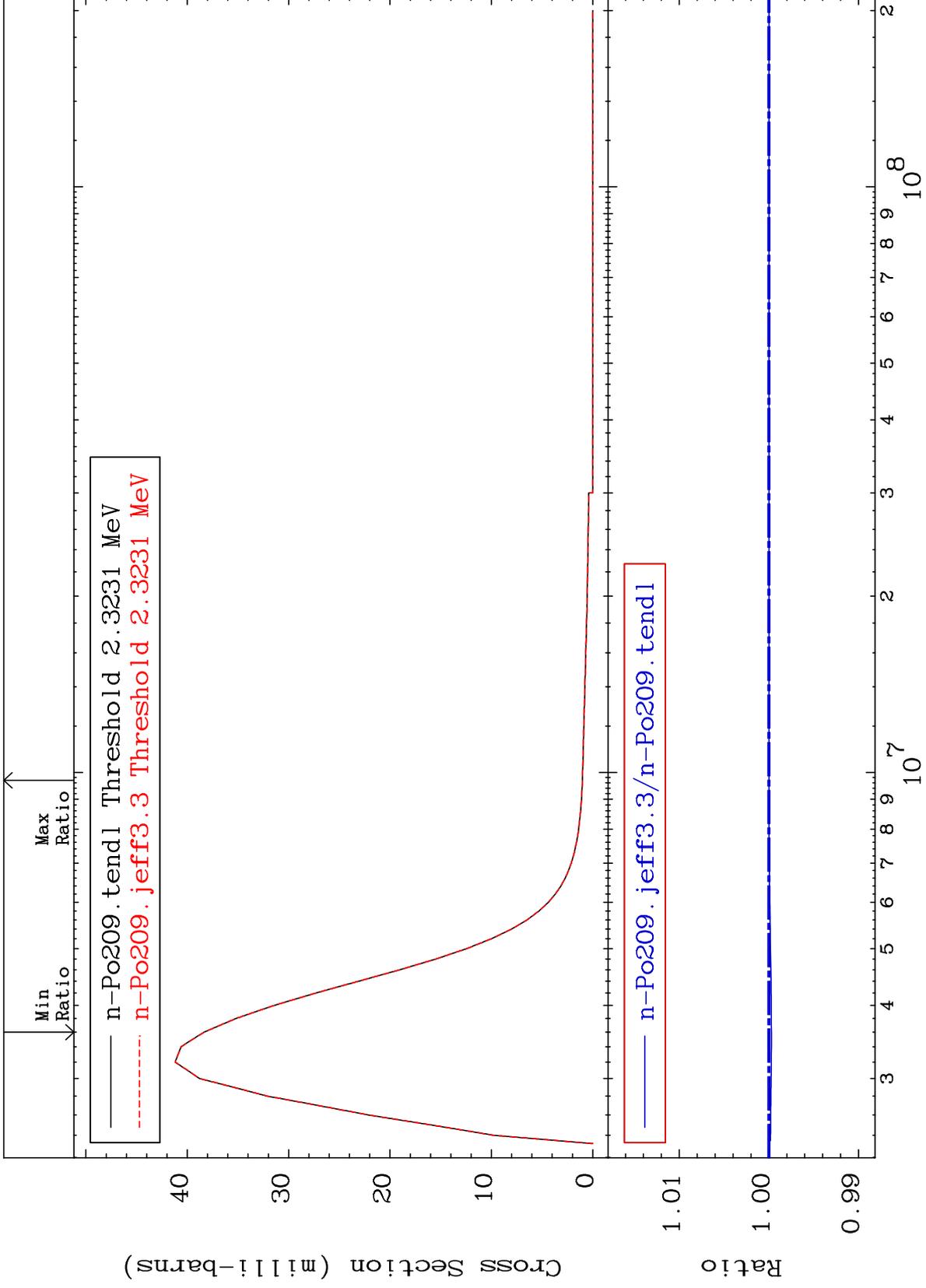
84-Po-209

84-Po-209

MAT 8434

MT= 71 (n,n') Level  
Cross Section

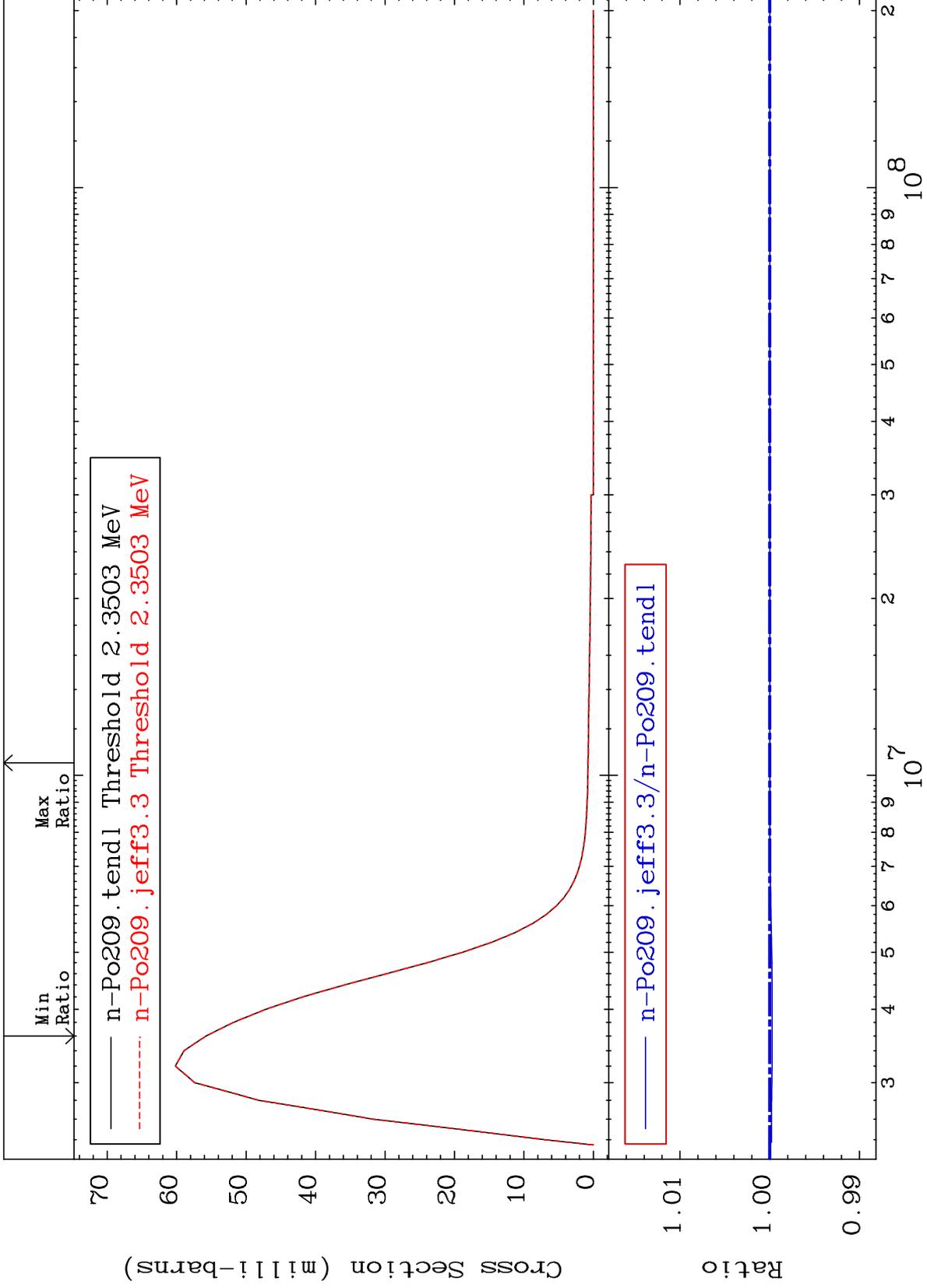
84-Po-209  
-0.028 To 0.000 %



MAT 8434

MT= 72 (n,n') Level  
Cross Section

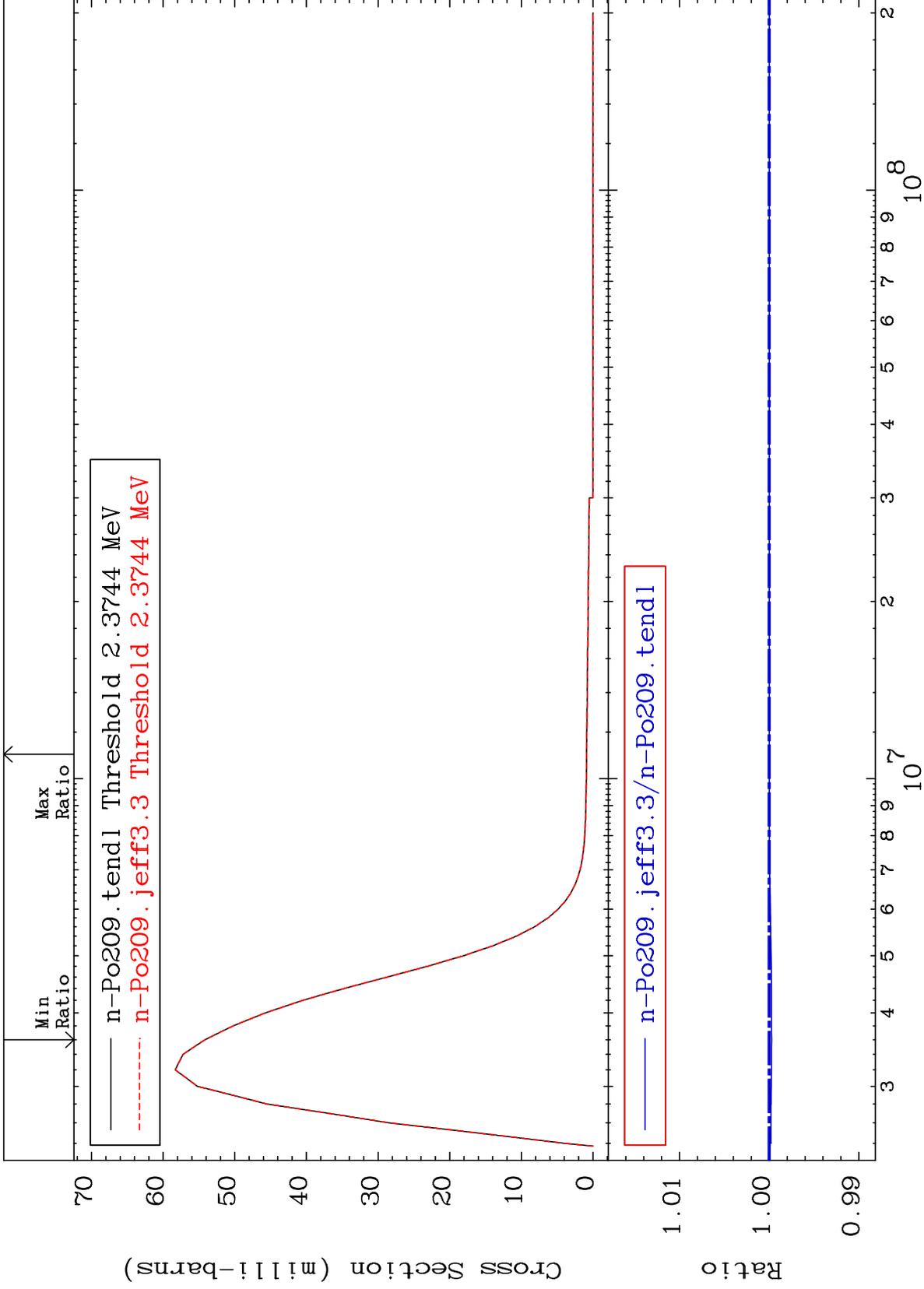
84-Po-209  
-0.027 To 0.000 %



MAT 8434

MT= 73 (n,n') Level  
Cross Section

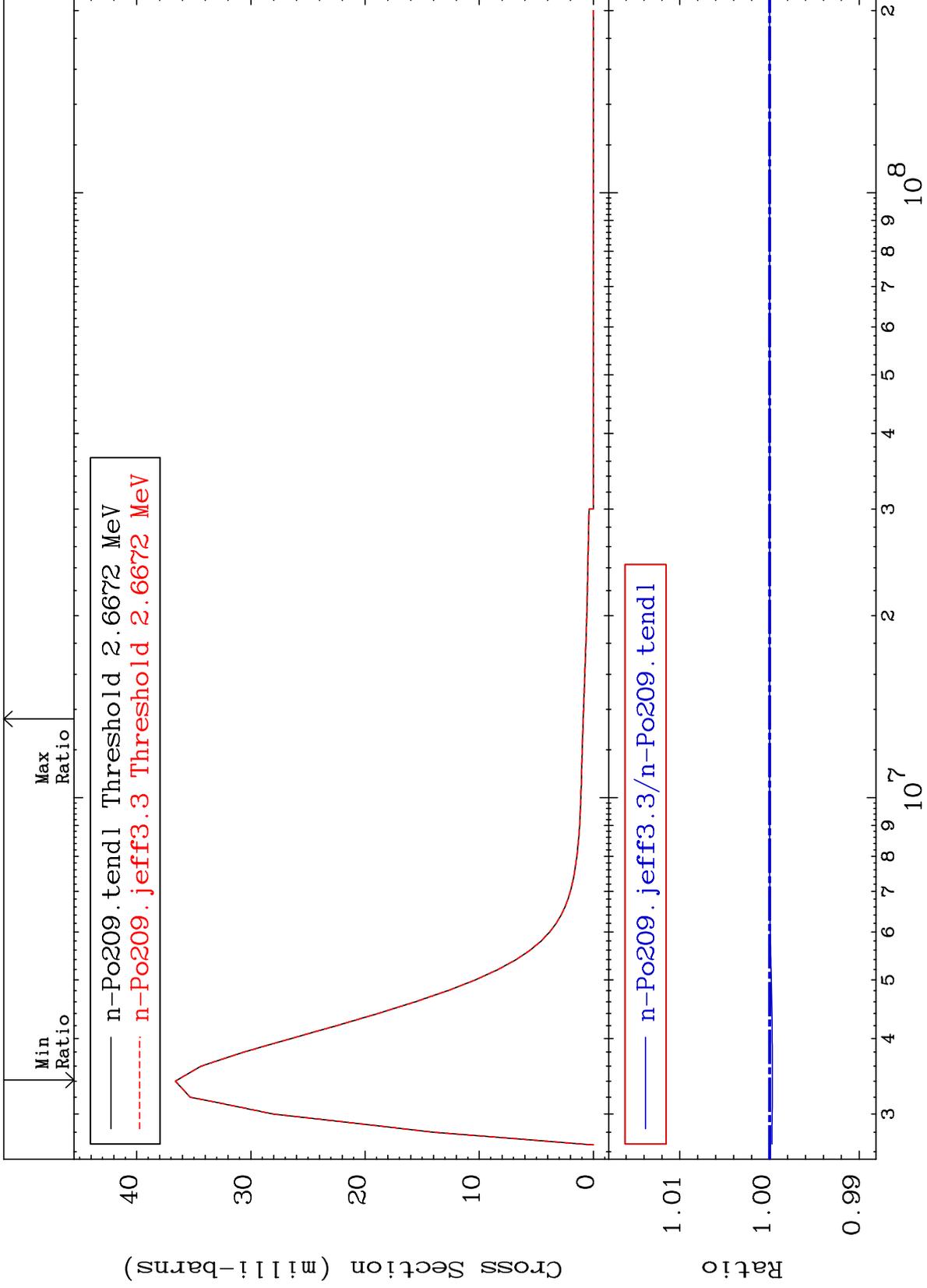
84-Po-209  
-0.027 To 0.000 %



MAT 8434

MT= 74 (n,n') Level  
Cross Section

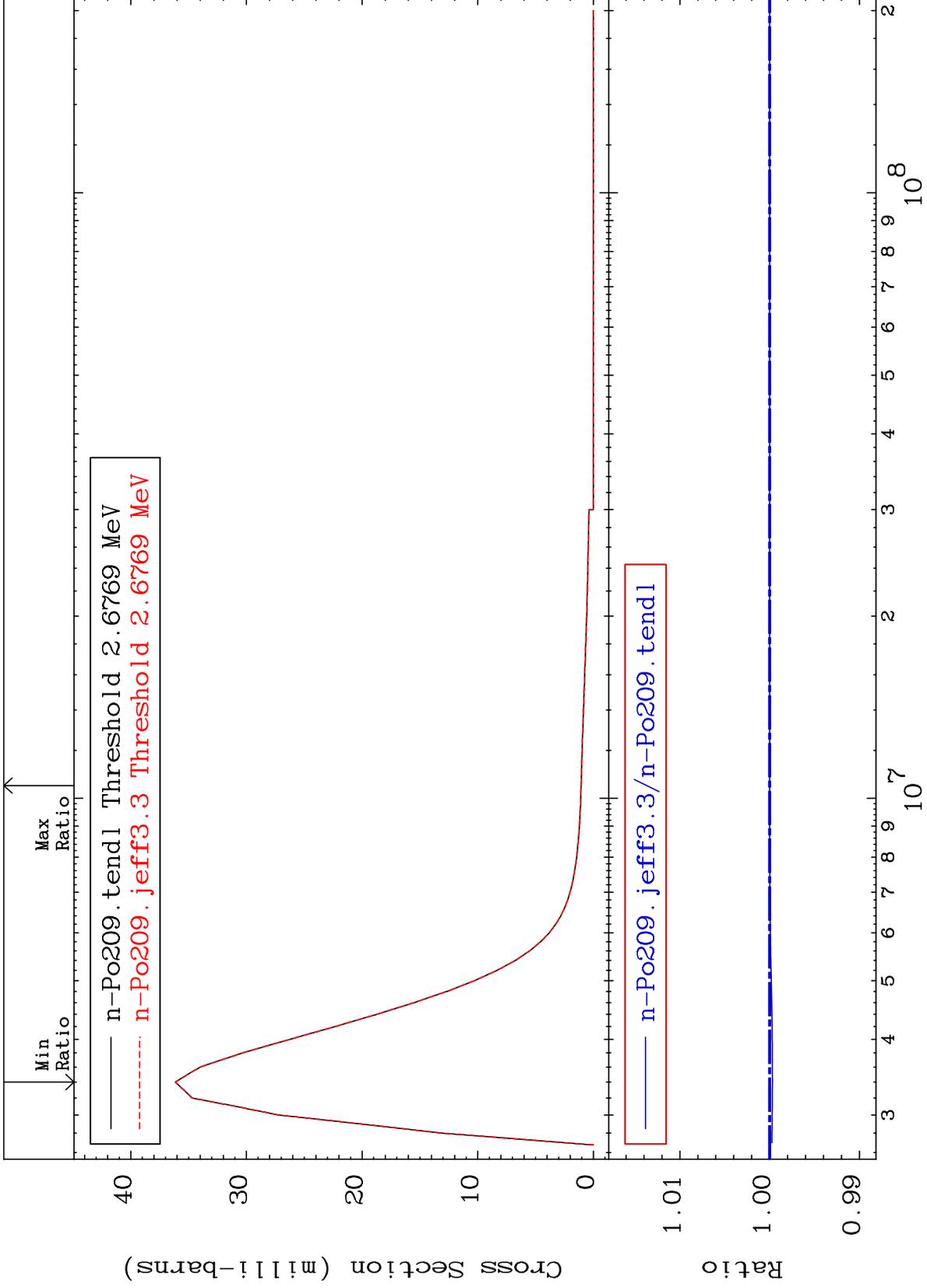
84-Po-209  
-0.031 To 0.000 %



MAT 8434

MT= 75 (n,n') Level  
Cross Section

84-Po-209  
-0.031 To 0.000 %



45

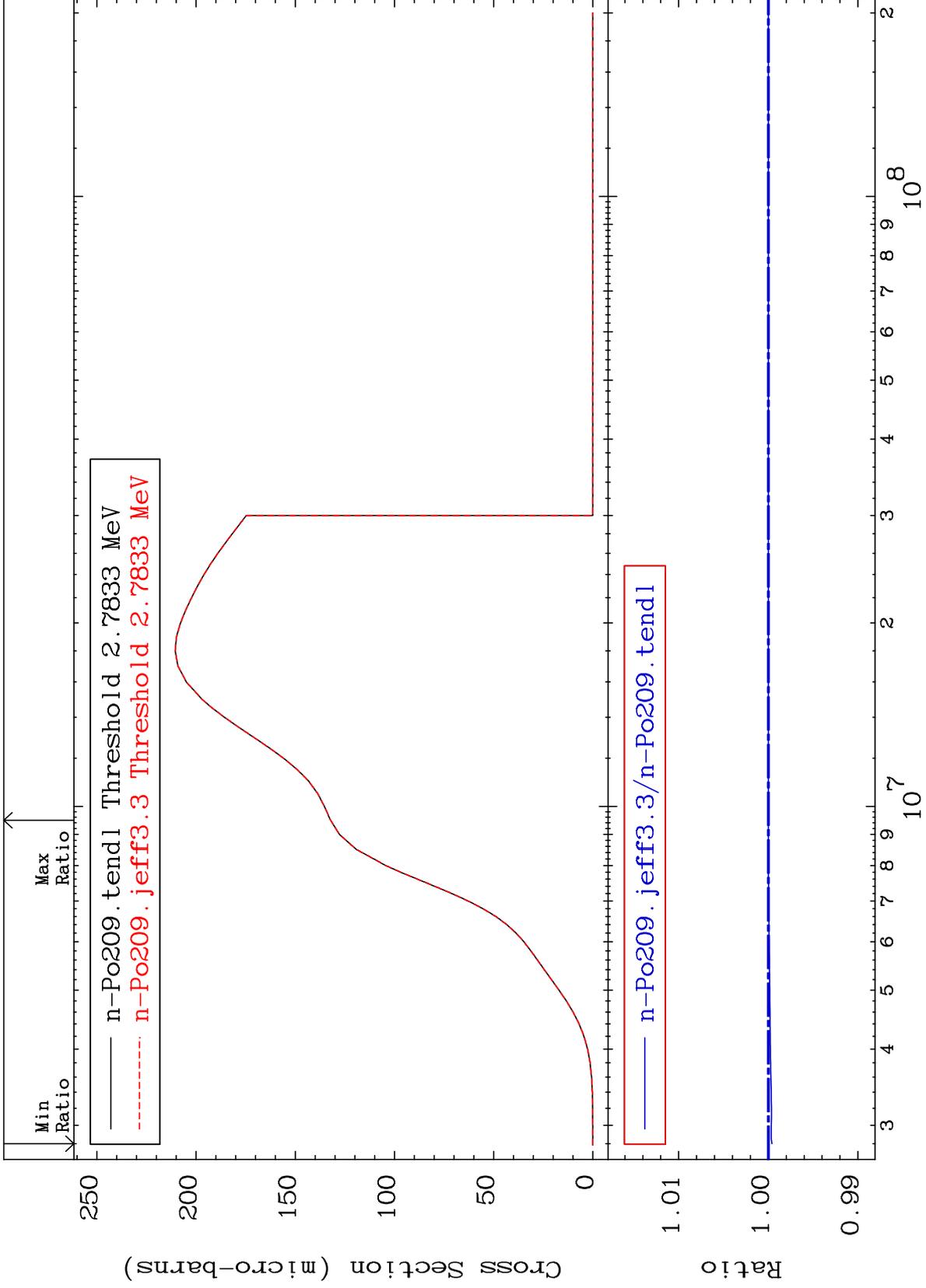
Incident Energy (eV)

84-Po-209

MAT 8434

MT= 76 (n,n') Level  
Cross Section

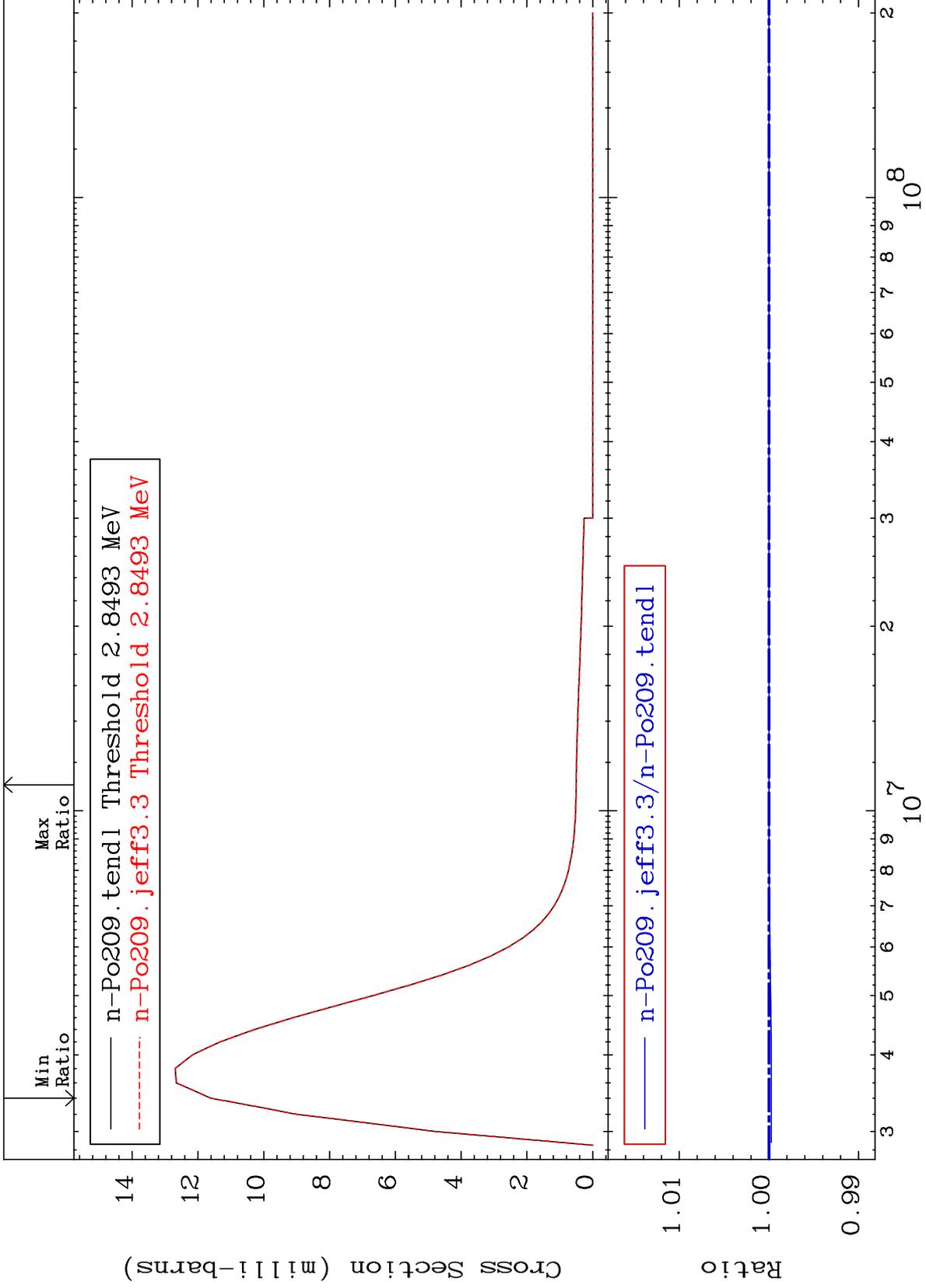
84-Po-209  
-0.041 To 0.000 %



MAT 8434

MT= 77 (n,n') Level  
Cross Section

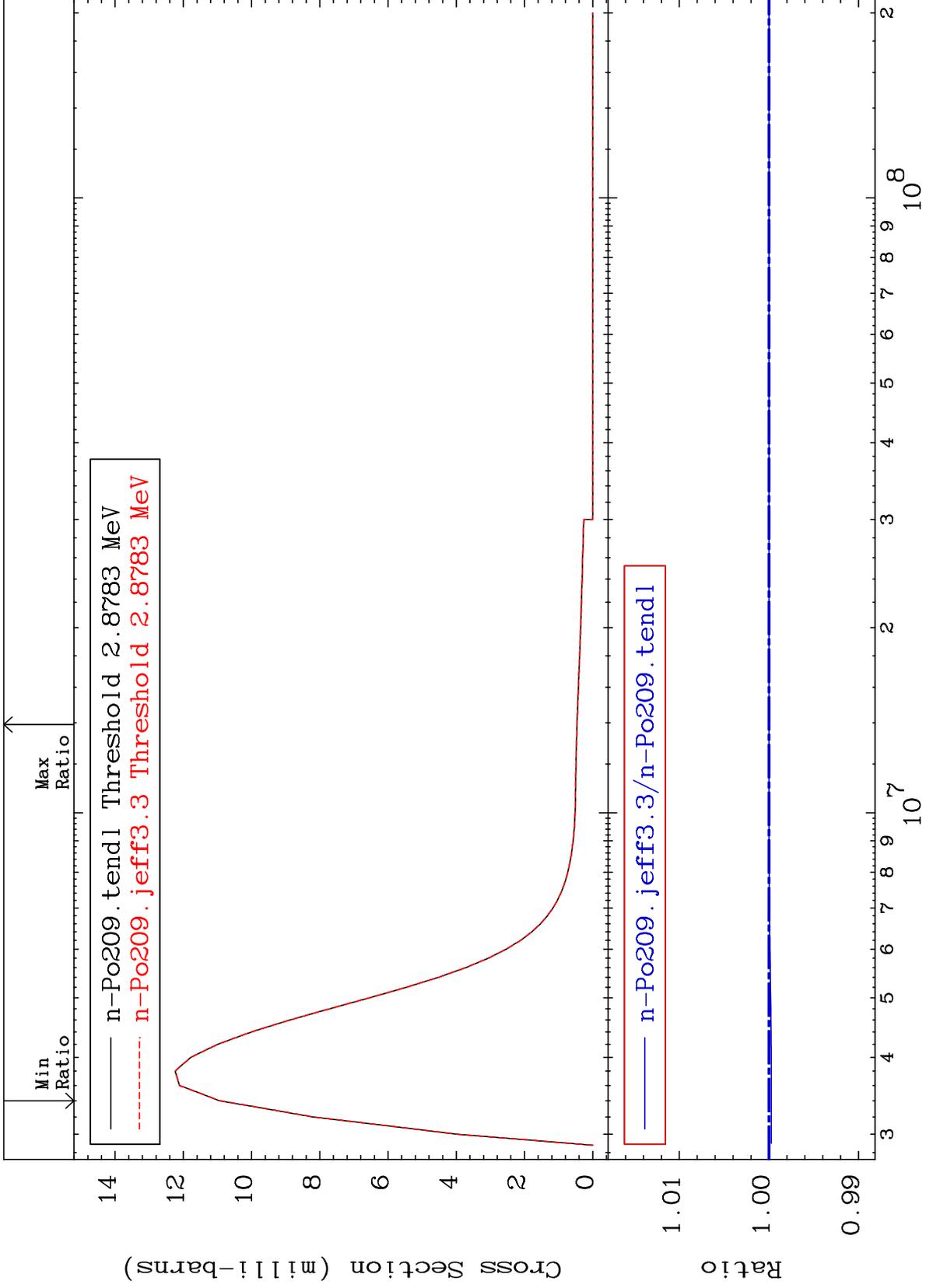
84-Po-209  
-0.027 To 0.000 %



MAT 8434

MT= 78 (n,n') Level  
Cross Section

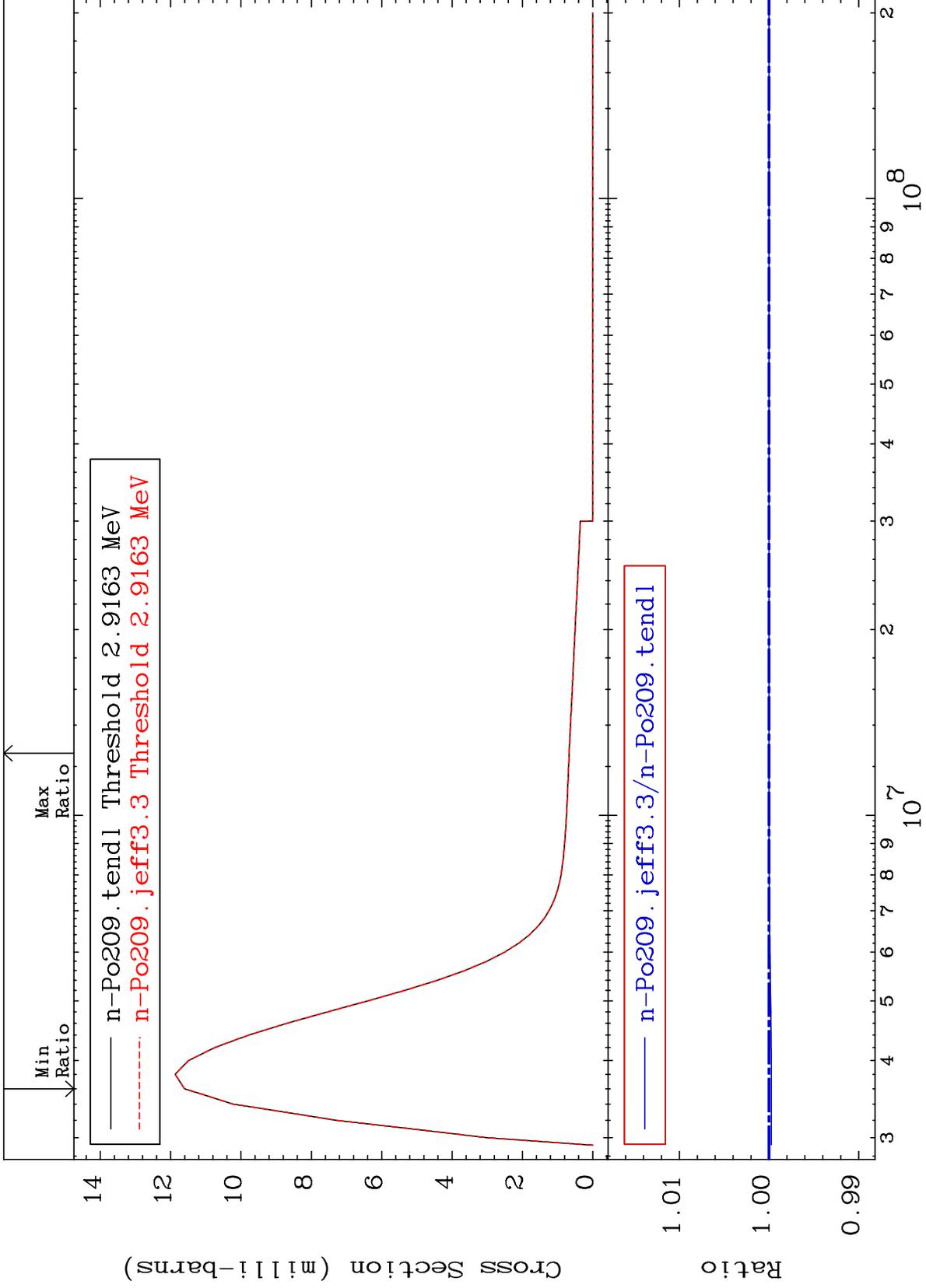
84-Po-209  
-0.026 To 0.000 %



MAT 8434

MT= 79 (n,n') Level  
Cross Section

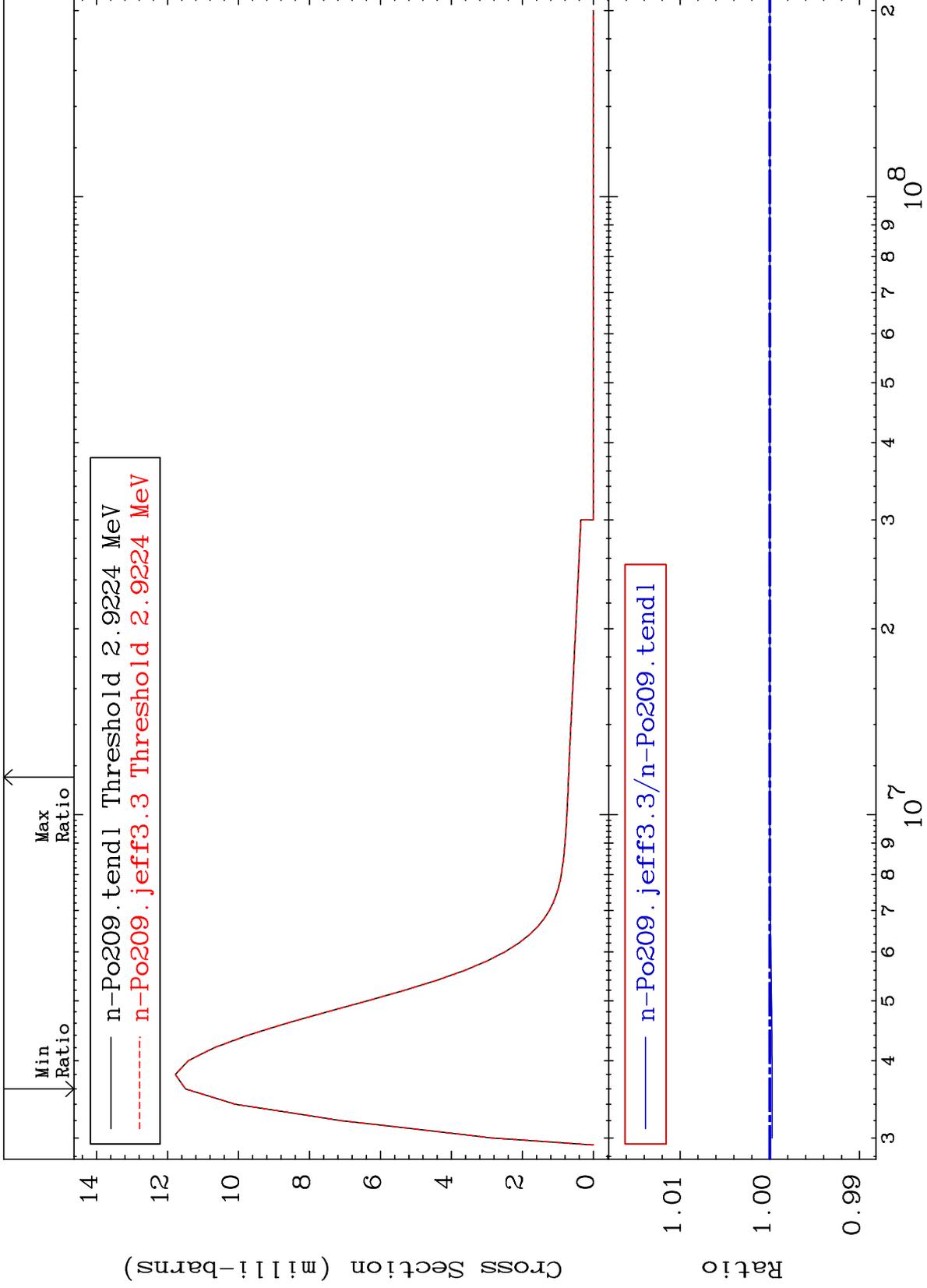
84-Po-209  
-0.026 To 0.000 %



MAT 8434

MT= 80 (n,n') Level  
Cross Section

84-Po-209  
-0.026 To 0.000 %



50

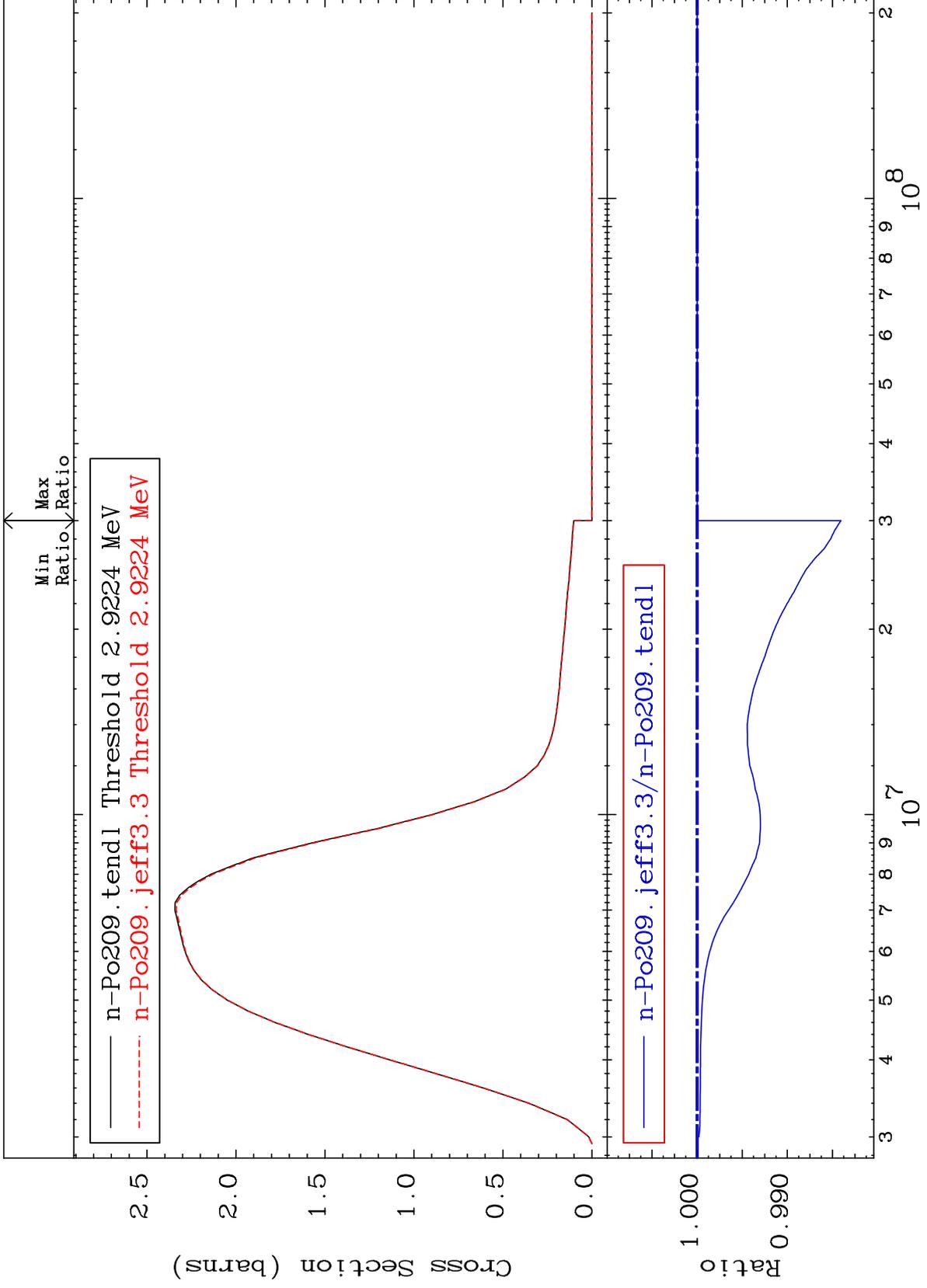
Incident Energy (eV)

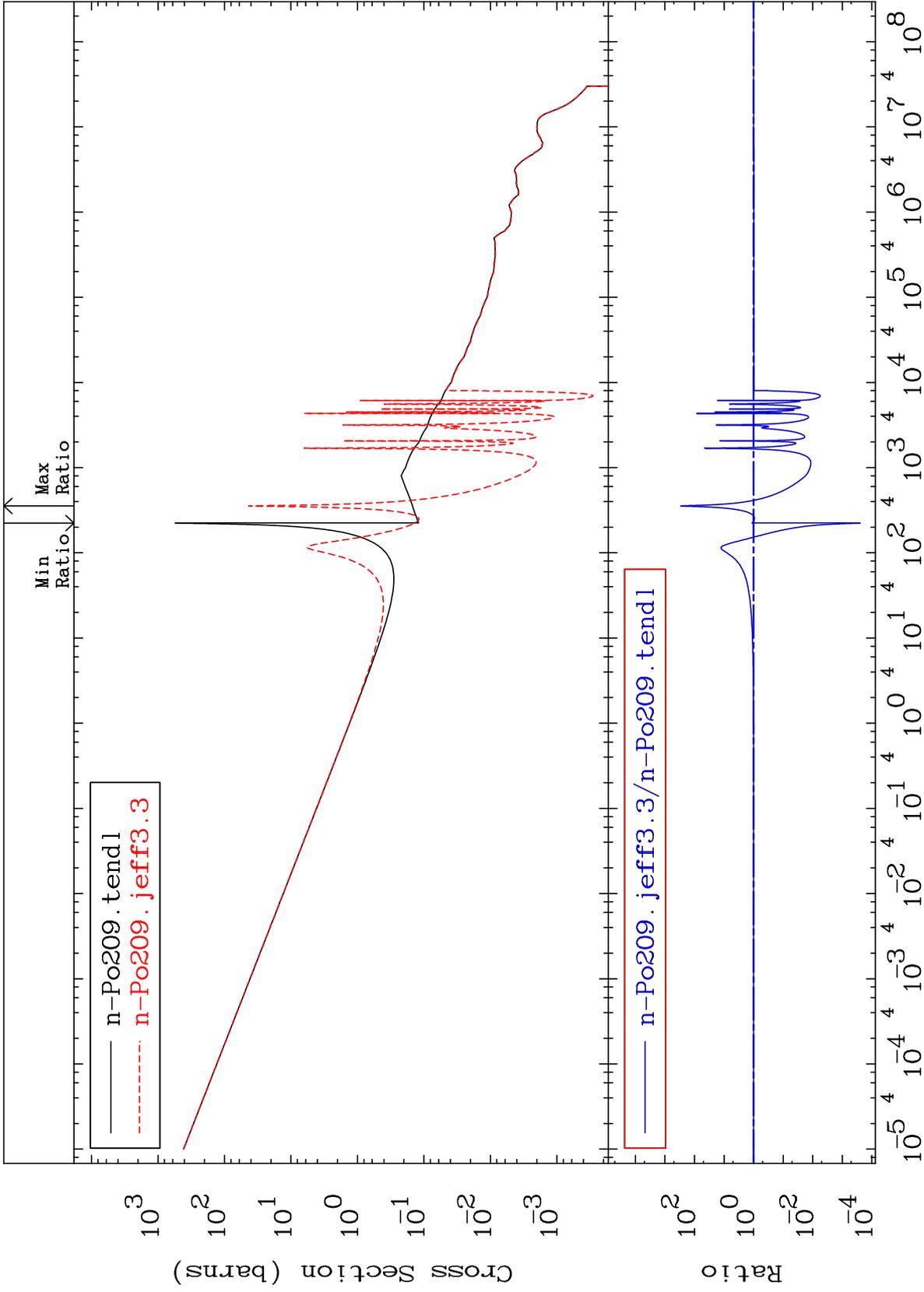
84-Po-209

MAT 8434

(n, n') Continuum  
Cross Section

84-Po-209  
-1.594 To 0.000 %





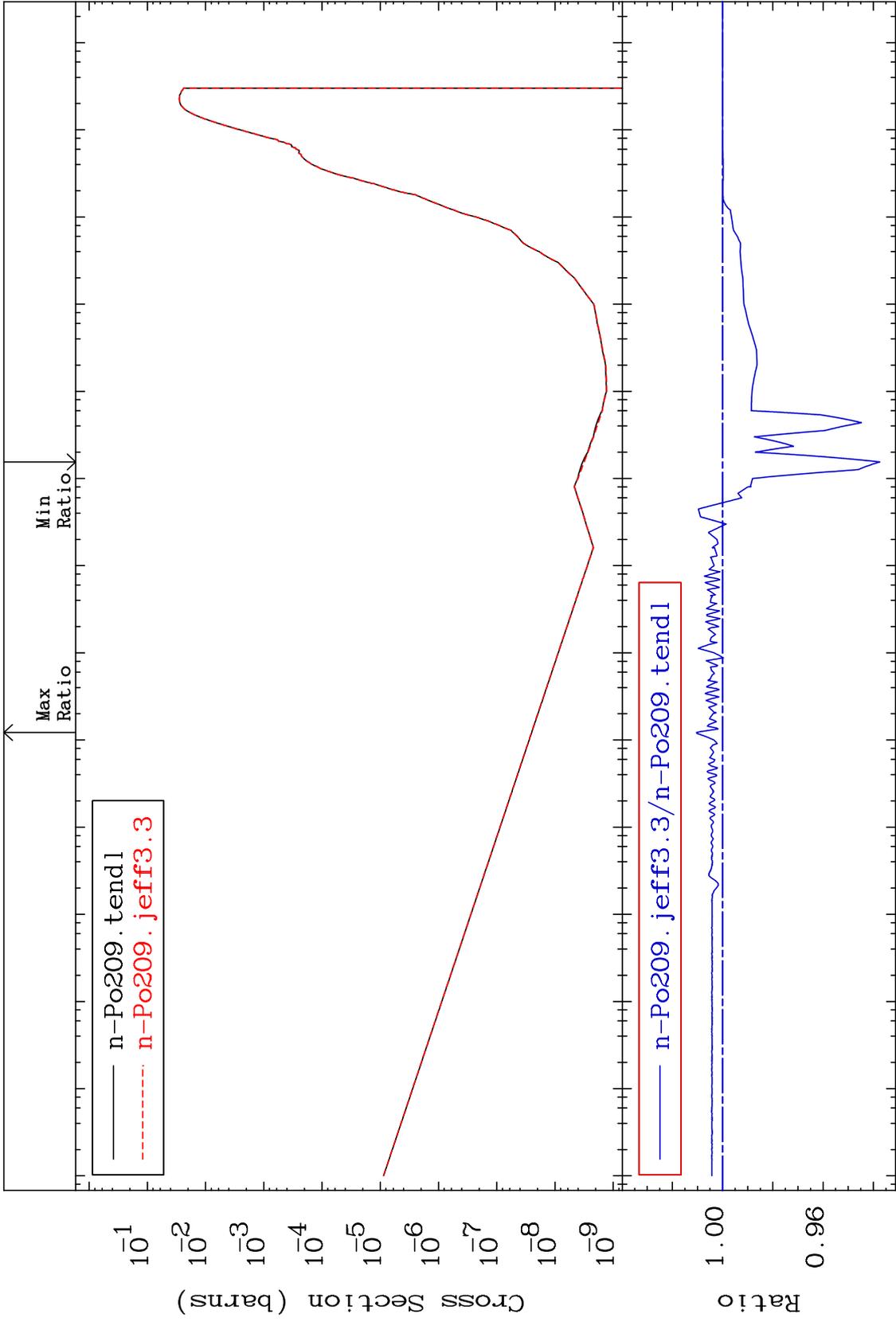
MAT 8434

(n, p)

84-Po-209

Cross Section

-6.266 To 1.038 %



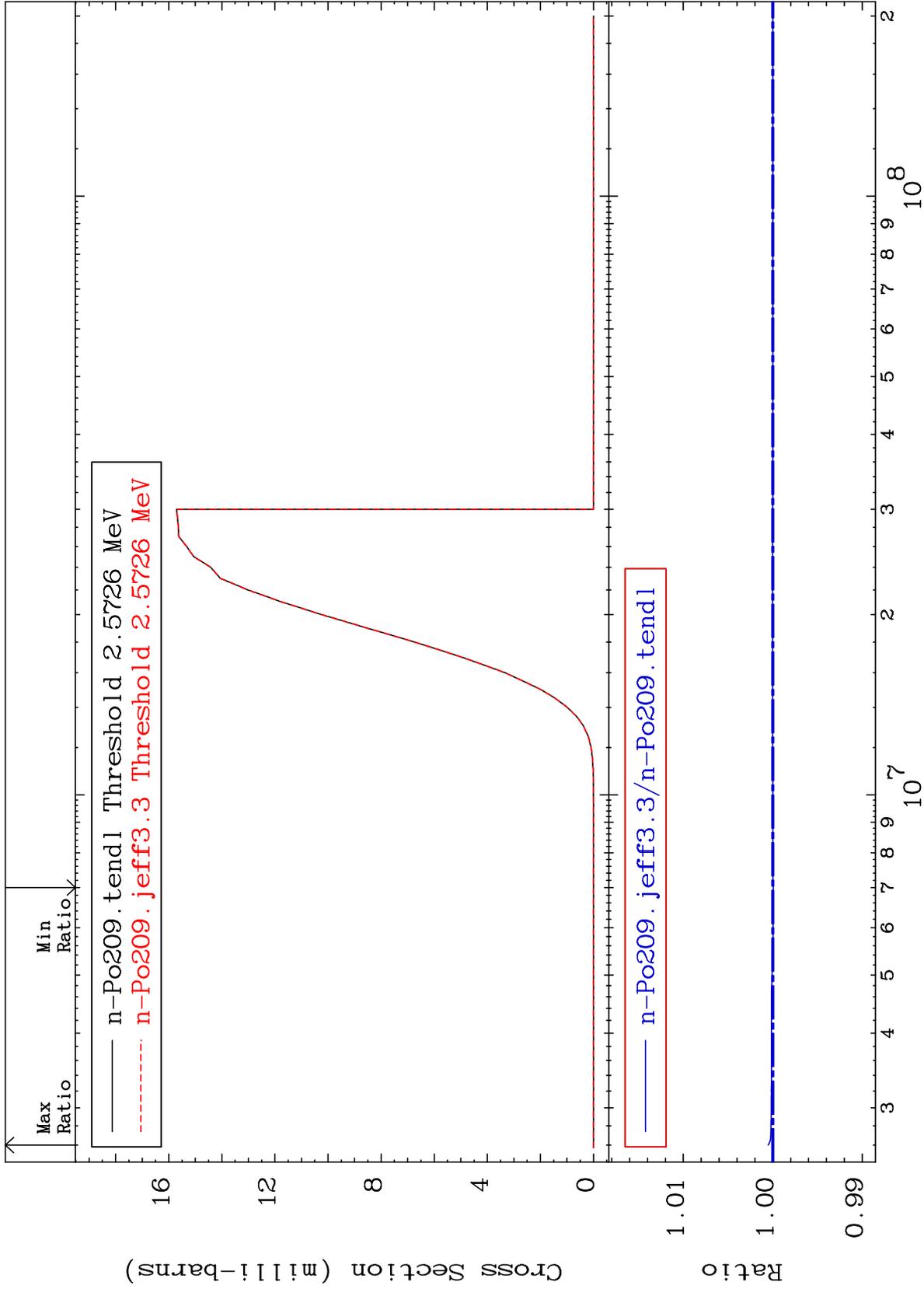
MAT 8434

(n, d)

84-Po-209

Cross Section

-0.005 To 0.052 %



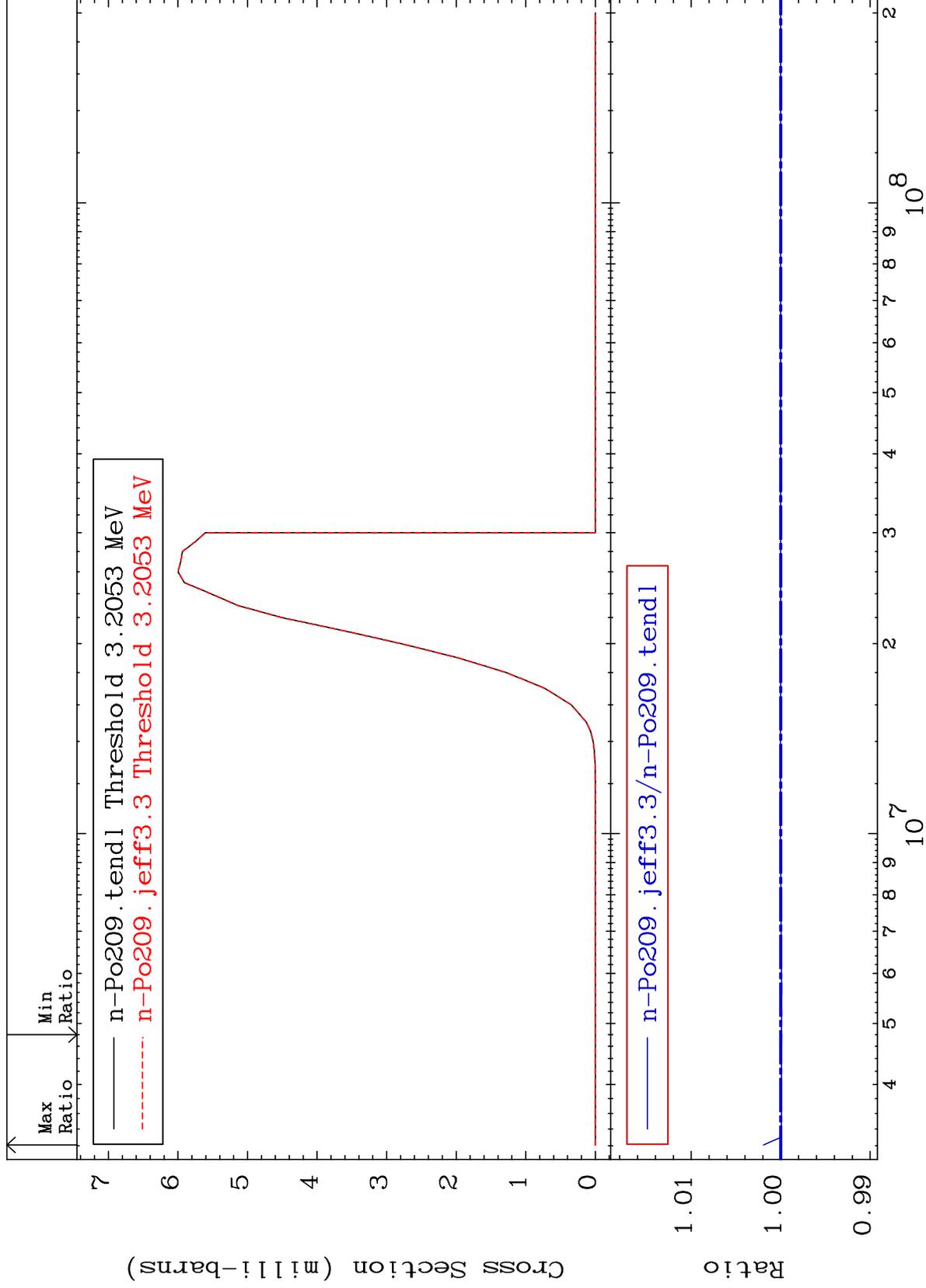
MAT 8434

(n, t)

84-Po-209

Cross Section

-0.010 To 0.191 %



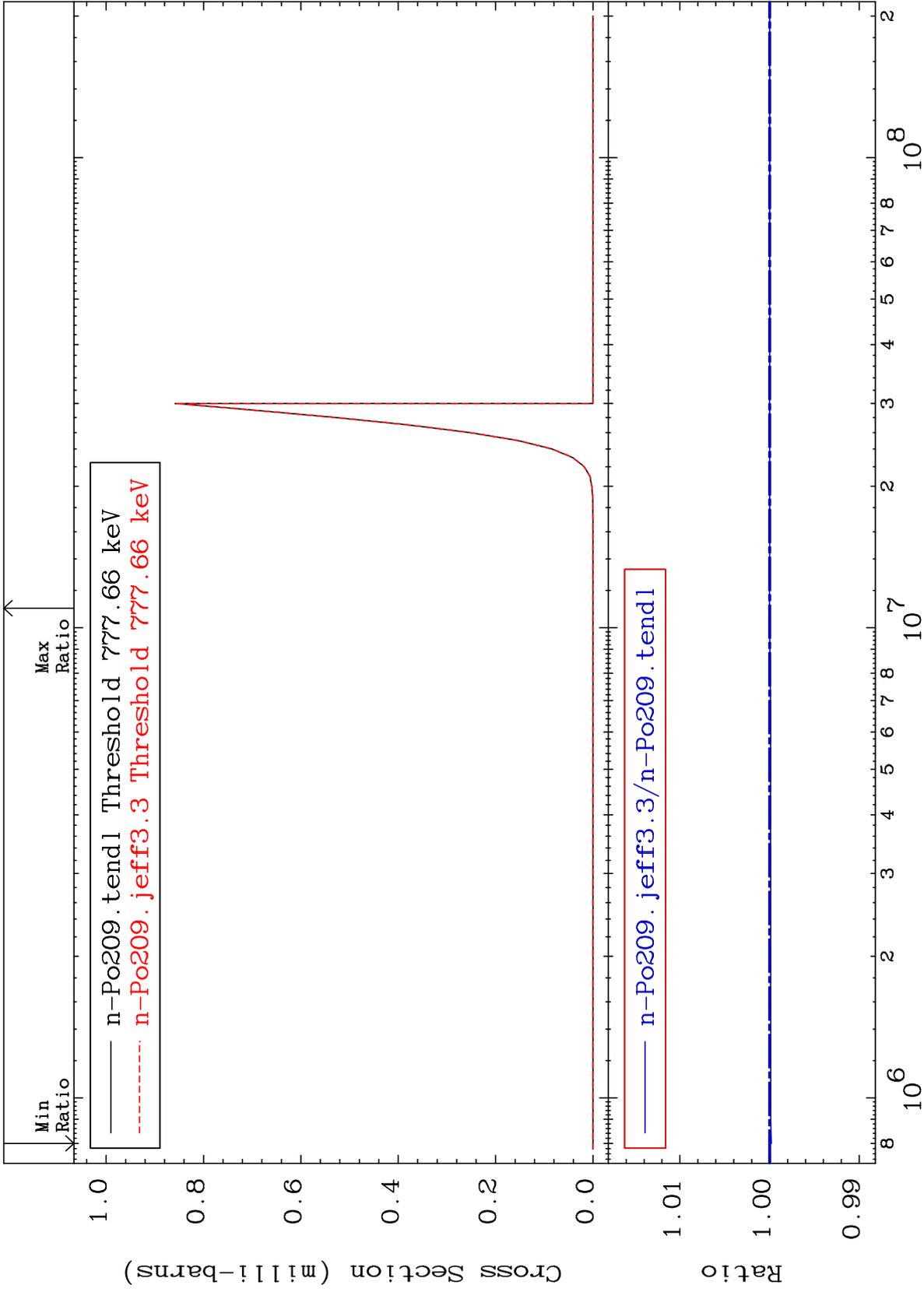
55

Incident Energy (eV)

84-Po-209

Cross Section

-0.020 To 0.002 %



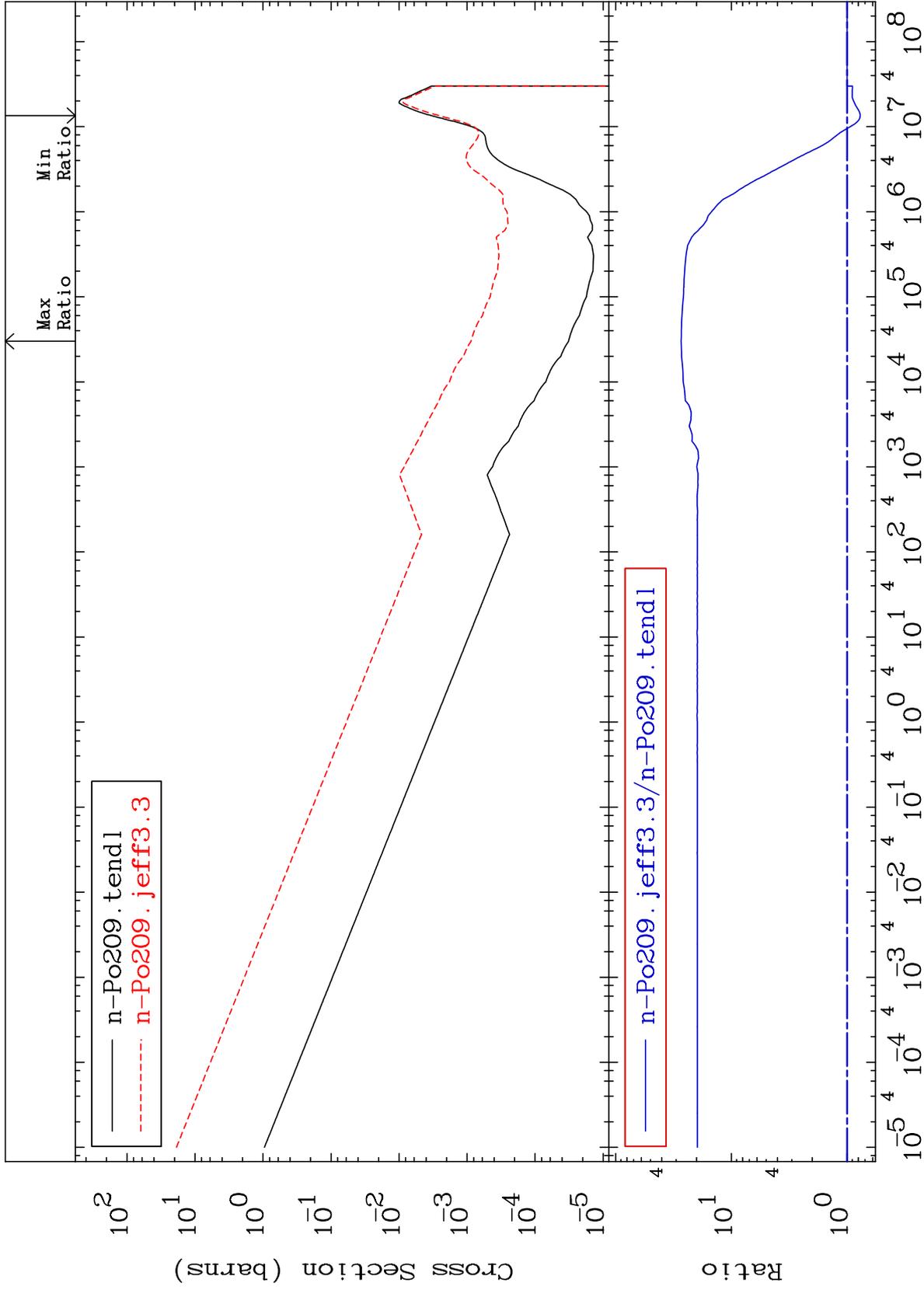
MAT 8434

(n,  $\alpha$ )

84-Po-209

Cross Section

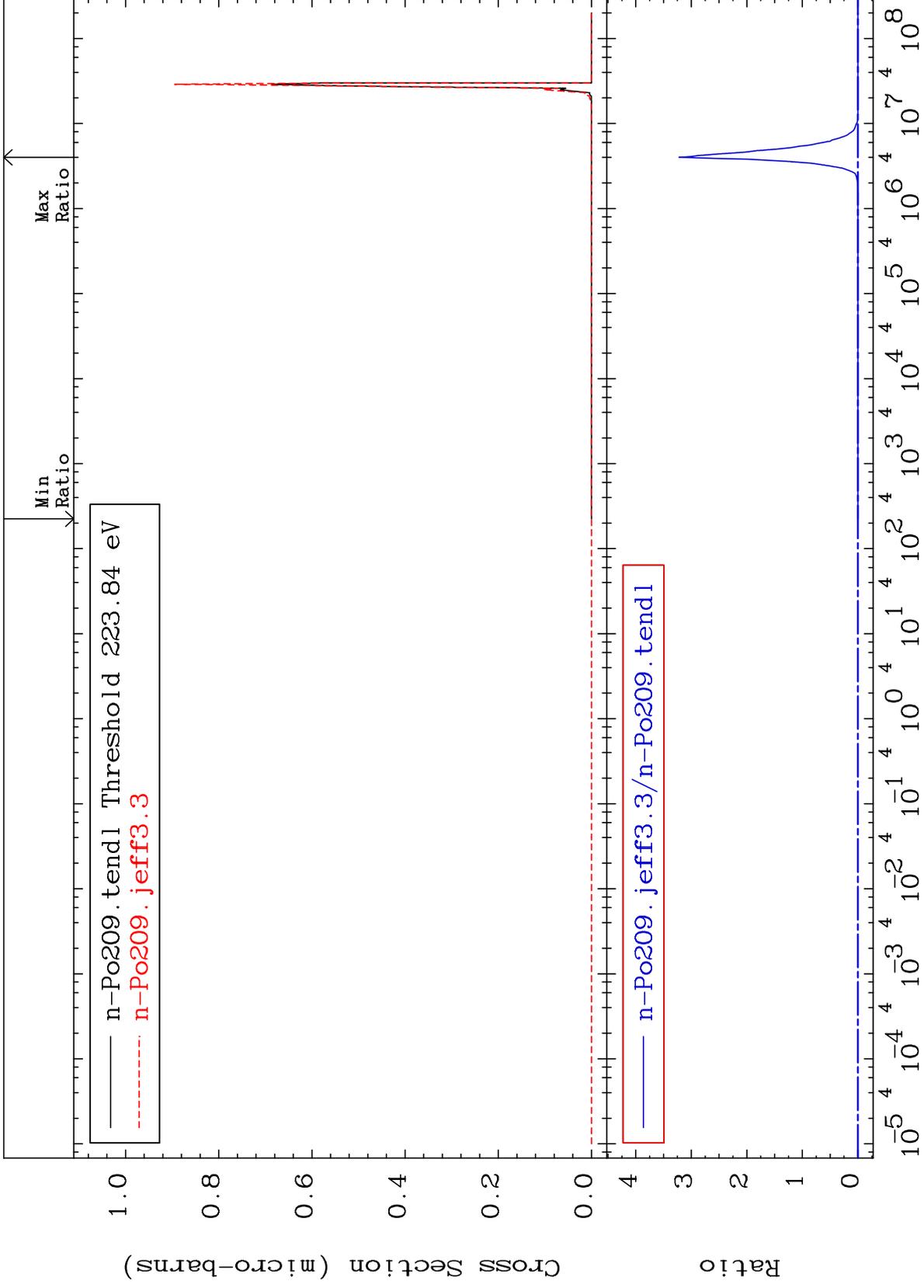
-23.05 To 2614. %



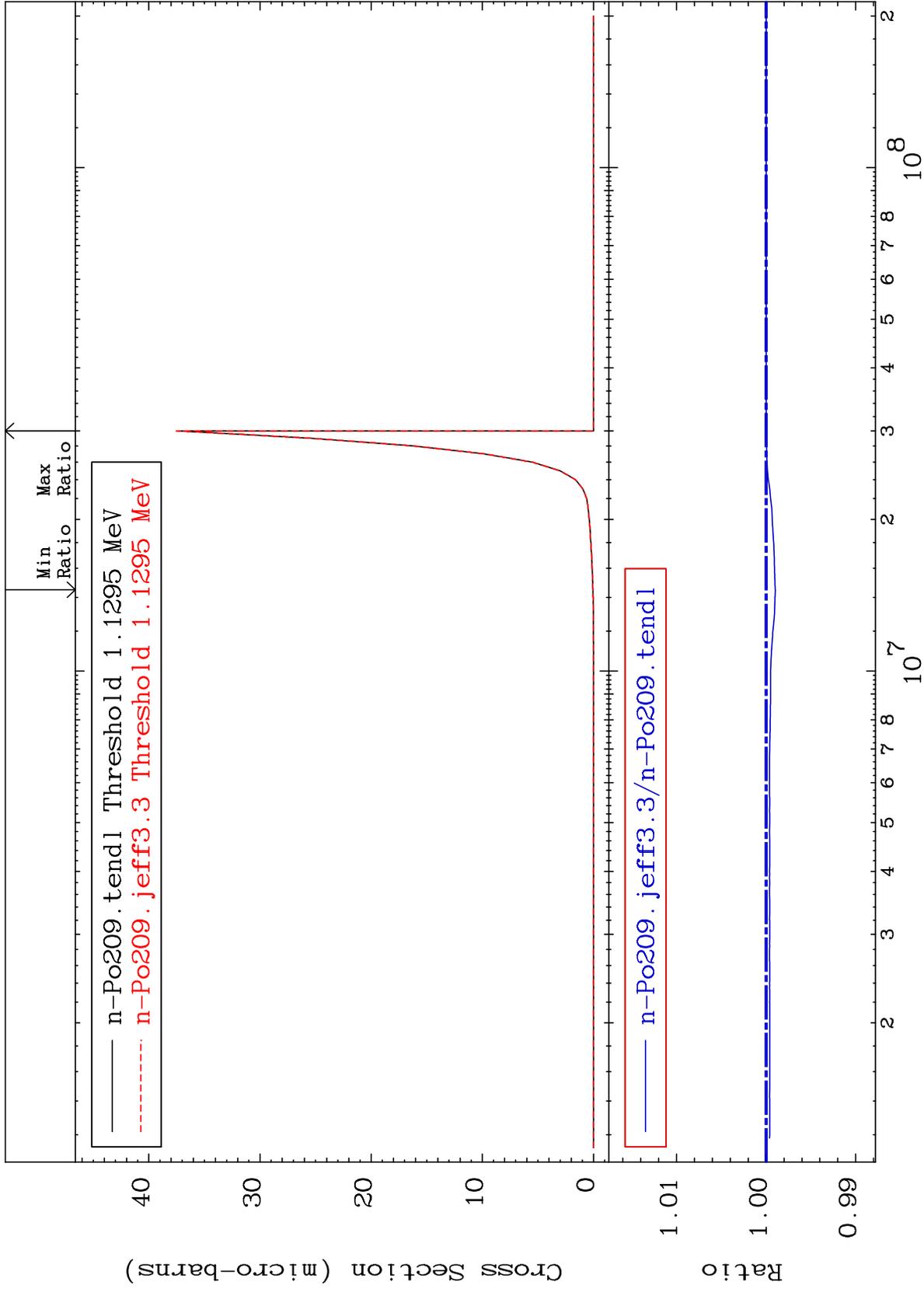
57

Incident Energy (eV)

84-Po-209

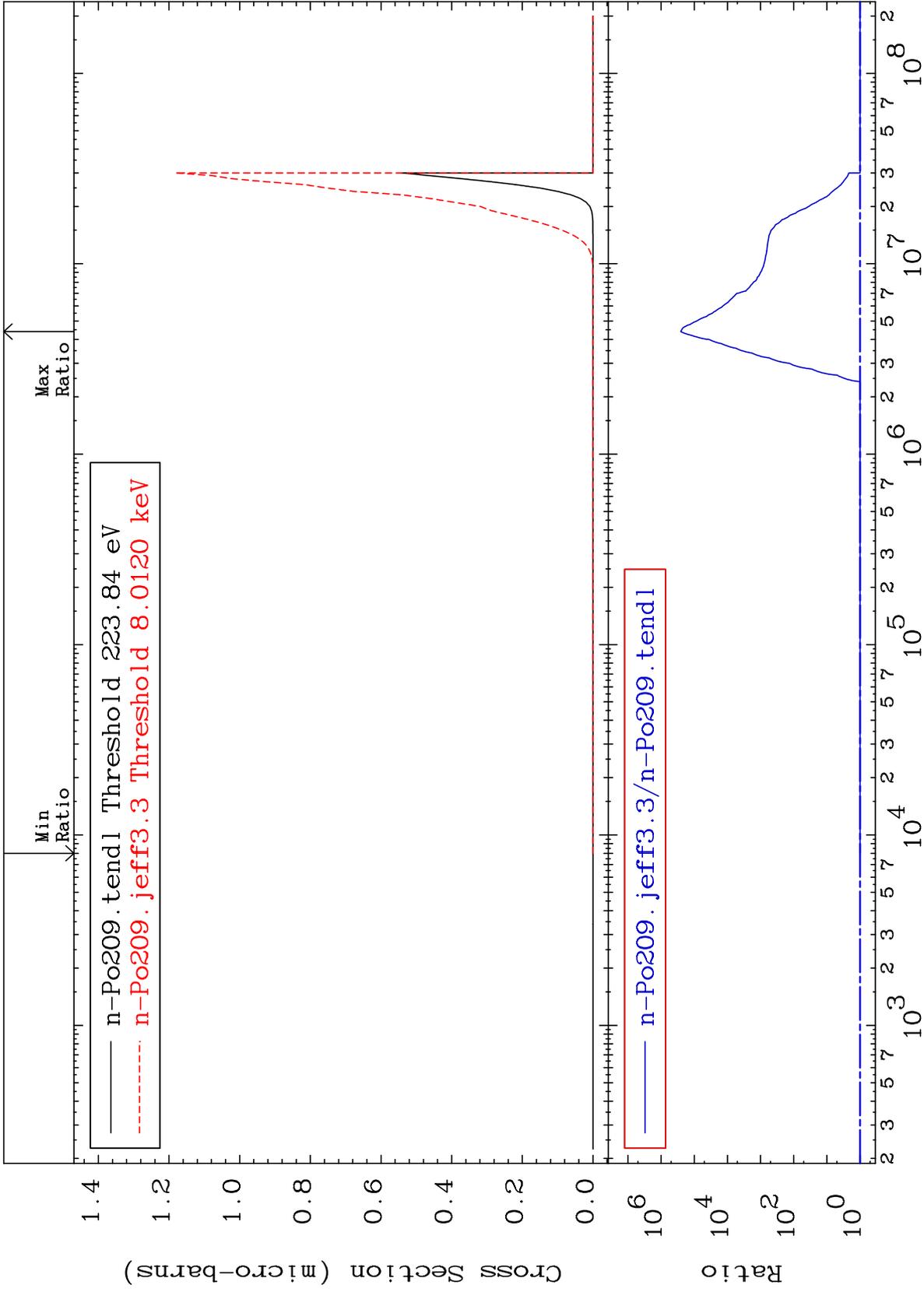


(n,2p)  
Cross Section  
-0.102 To 0.000 %



MAT 8434

(n,p)  $\alpha$   
Cross Section  
84-Po-209  
To 9999. %



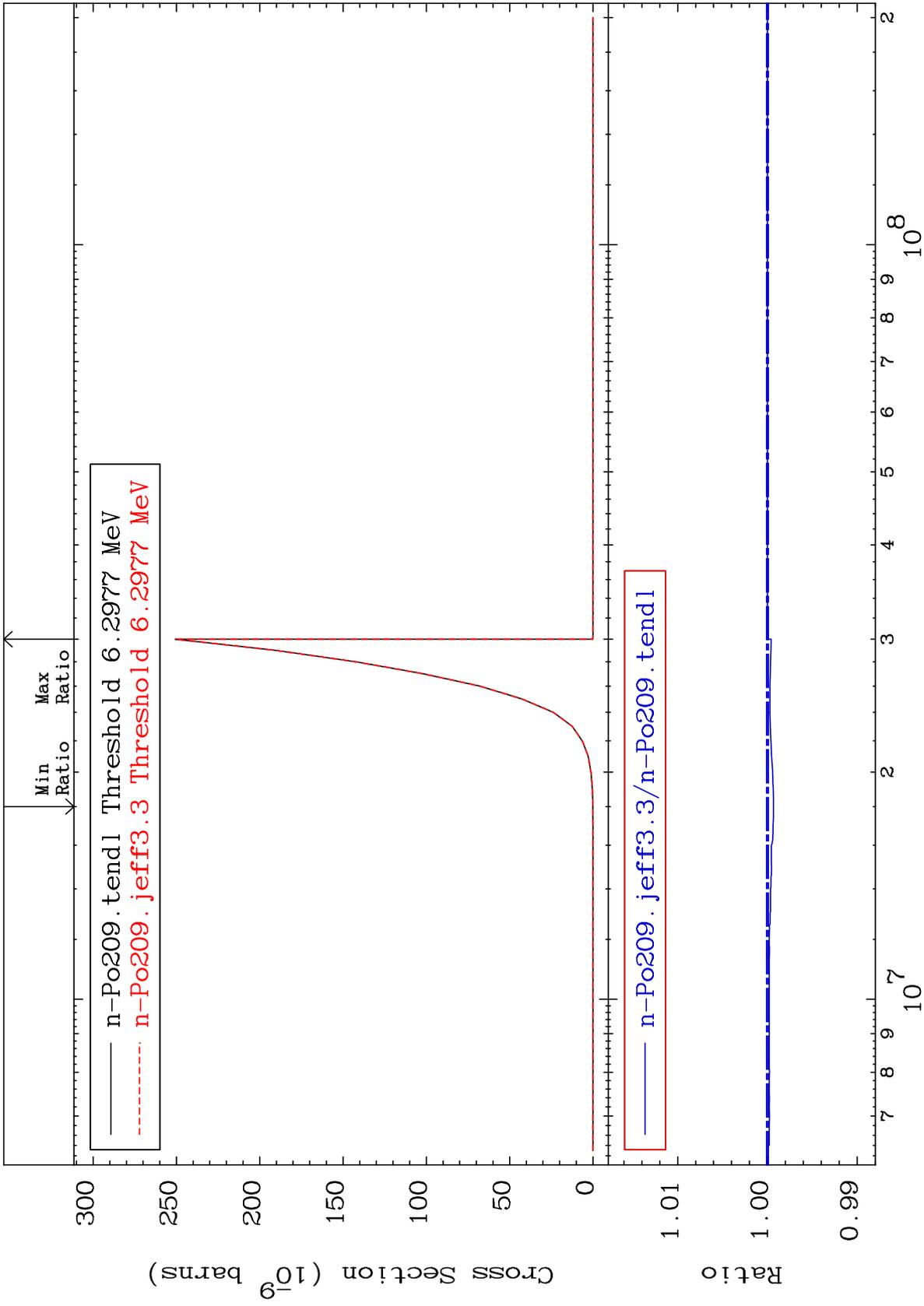
MAT 8434

(n,p) d

84-Po-209

Cross Section

-0.067 To 0.000 %



61

Incident Energy (eV)

84-Po-209

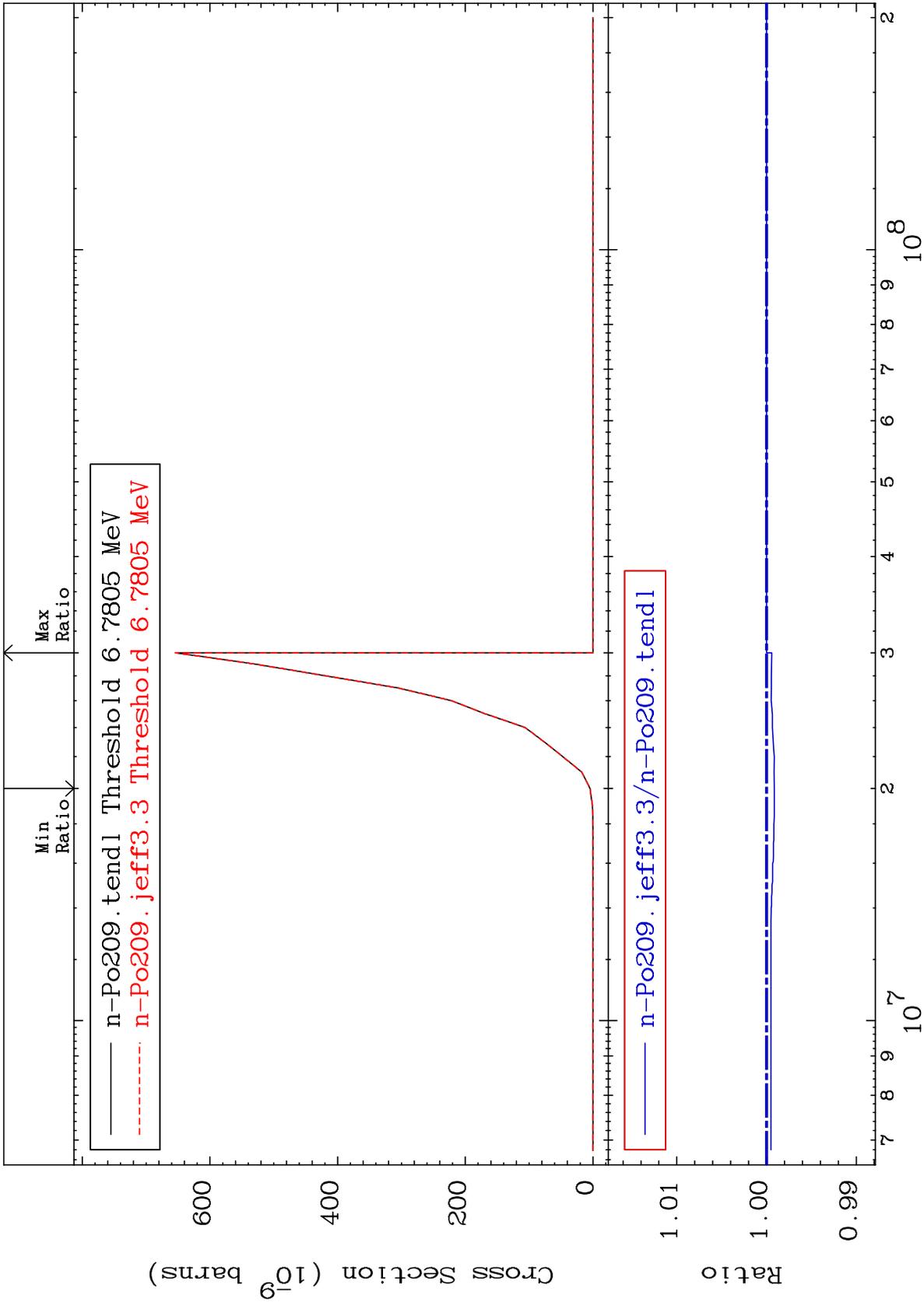
MAT 8434

(n,p) t

84-Po-209

Cross Section

-0.087 To 0.000 %



62

Incident Energy (eV)

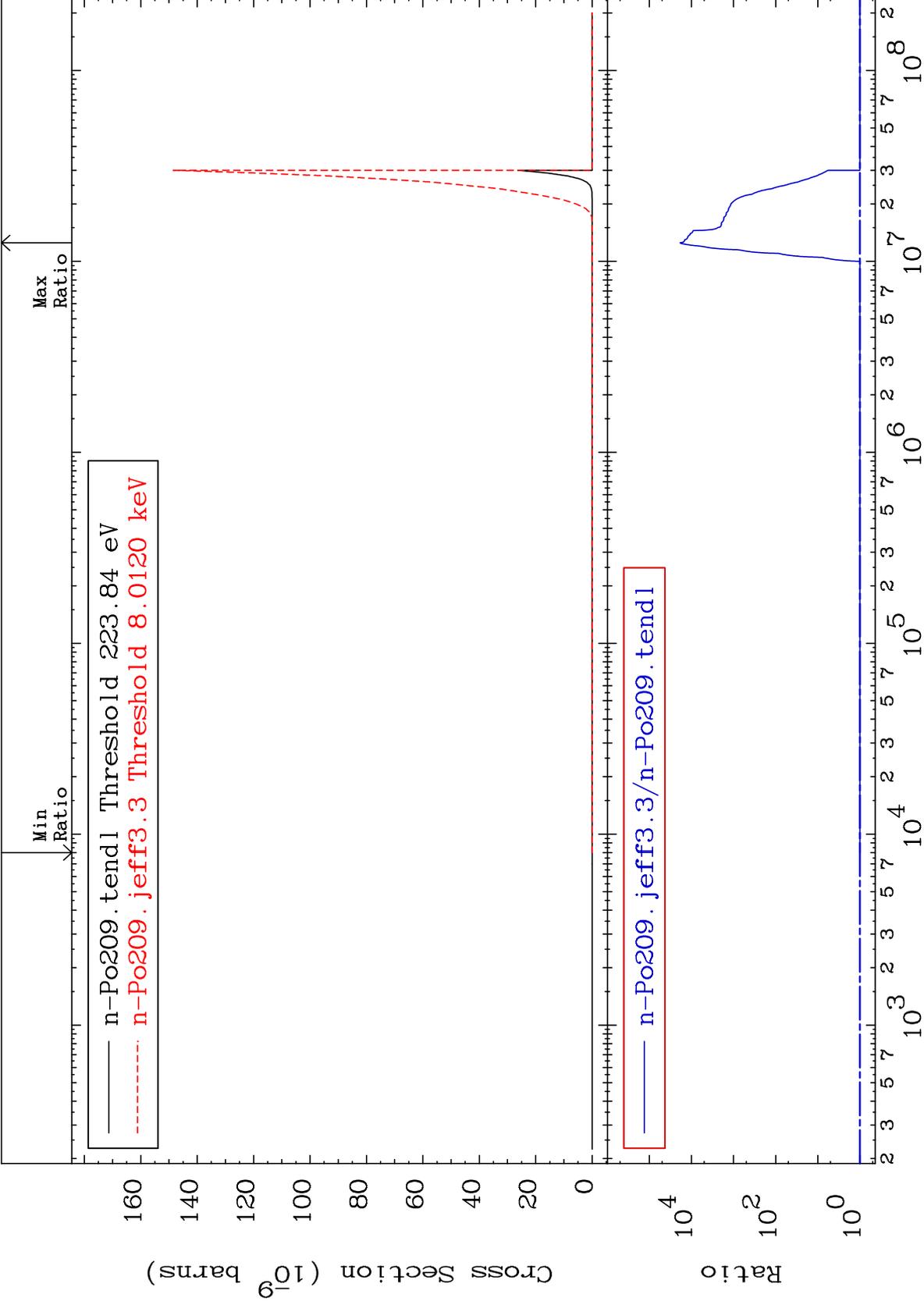
84-Po-209

MAT 8434

(n, d)  $\alpha$

84-Po-209  
To 9999. %

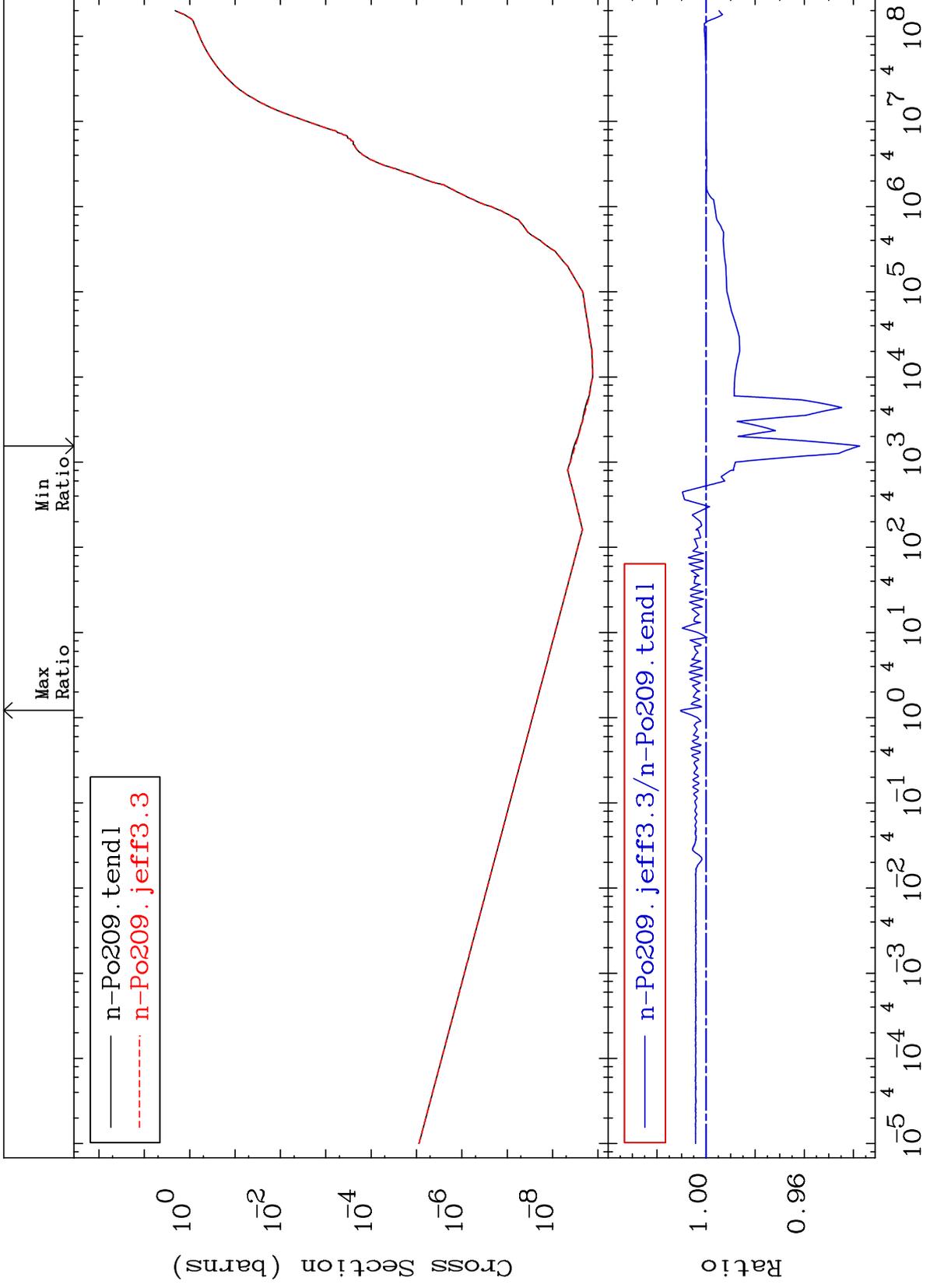
Cross Section



MAT 8434

Hydrogen Production  
Cross Section

84-Po-209  
-6.266 To 1.038 %



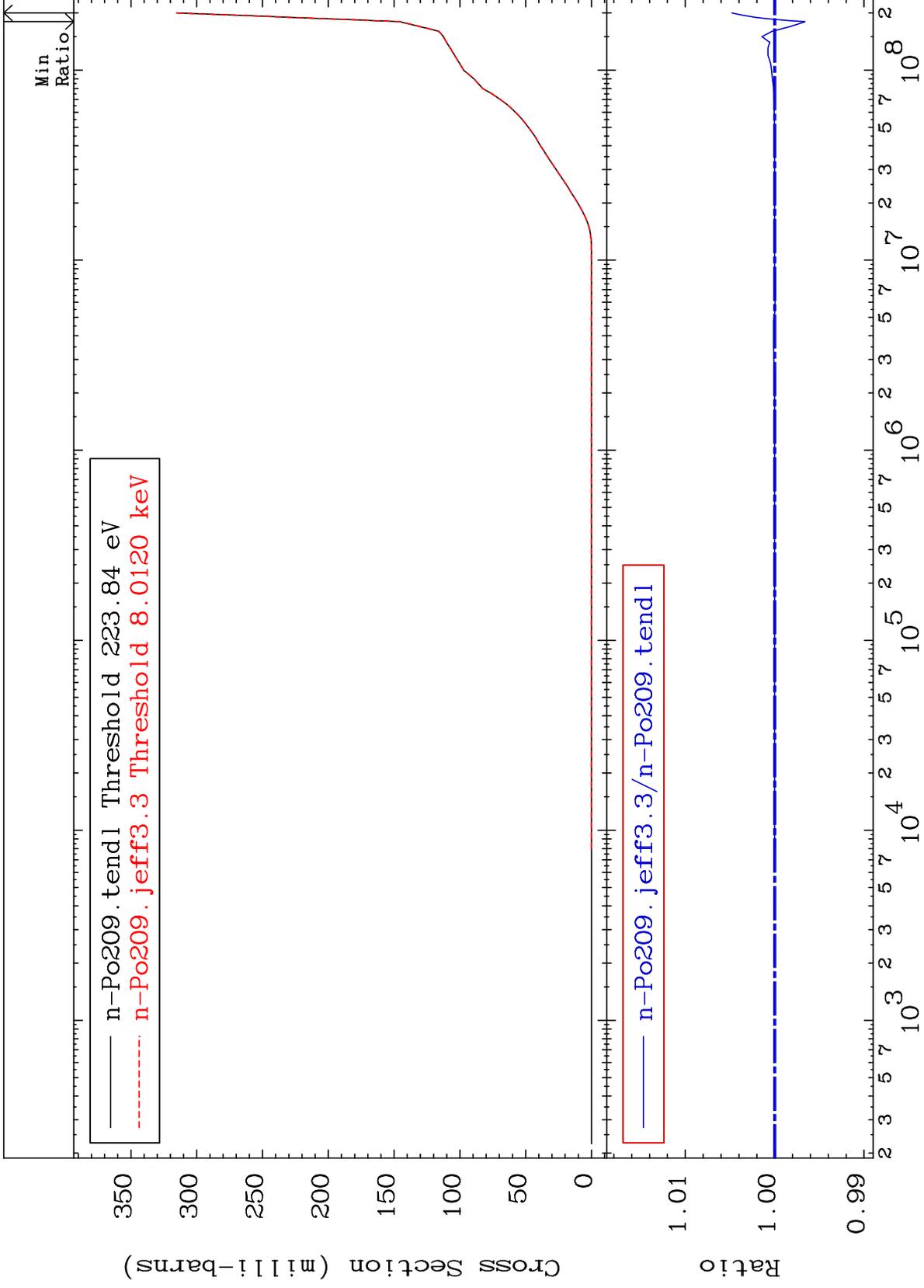
64

84-Po-209

MAT 8434

Deuterium Production  
Cross Section

84-Po-209  
-0.340 To 0.479 %



65

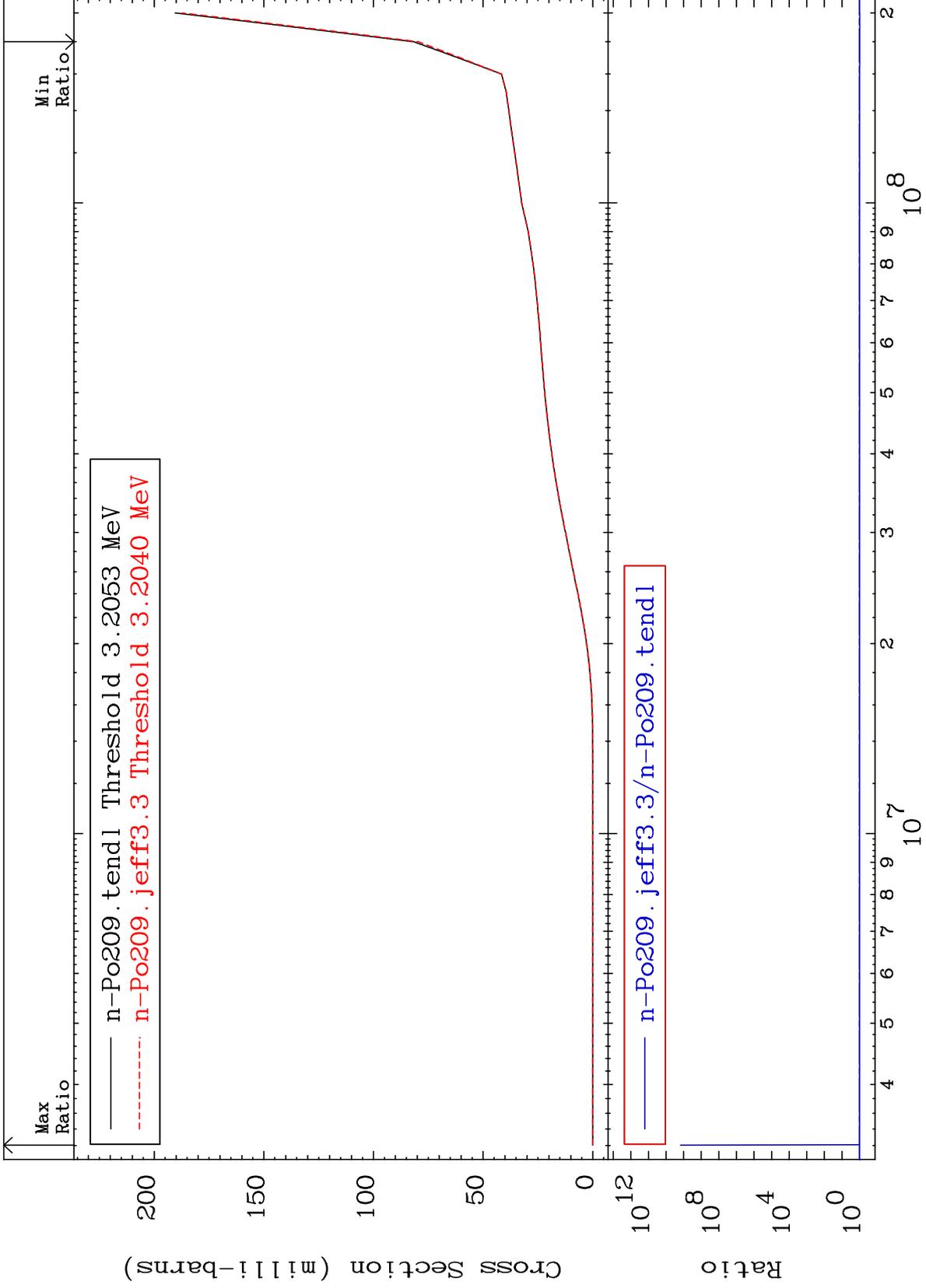
Incident Energy (eV)

84-Po-209

MAT 8434

Tritium Production  
Cross Section

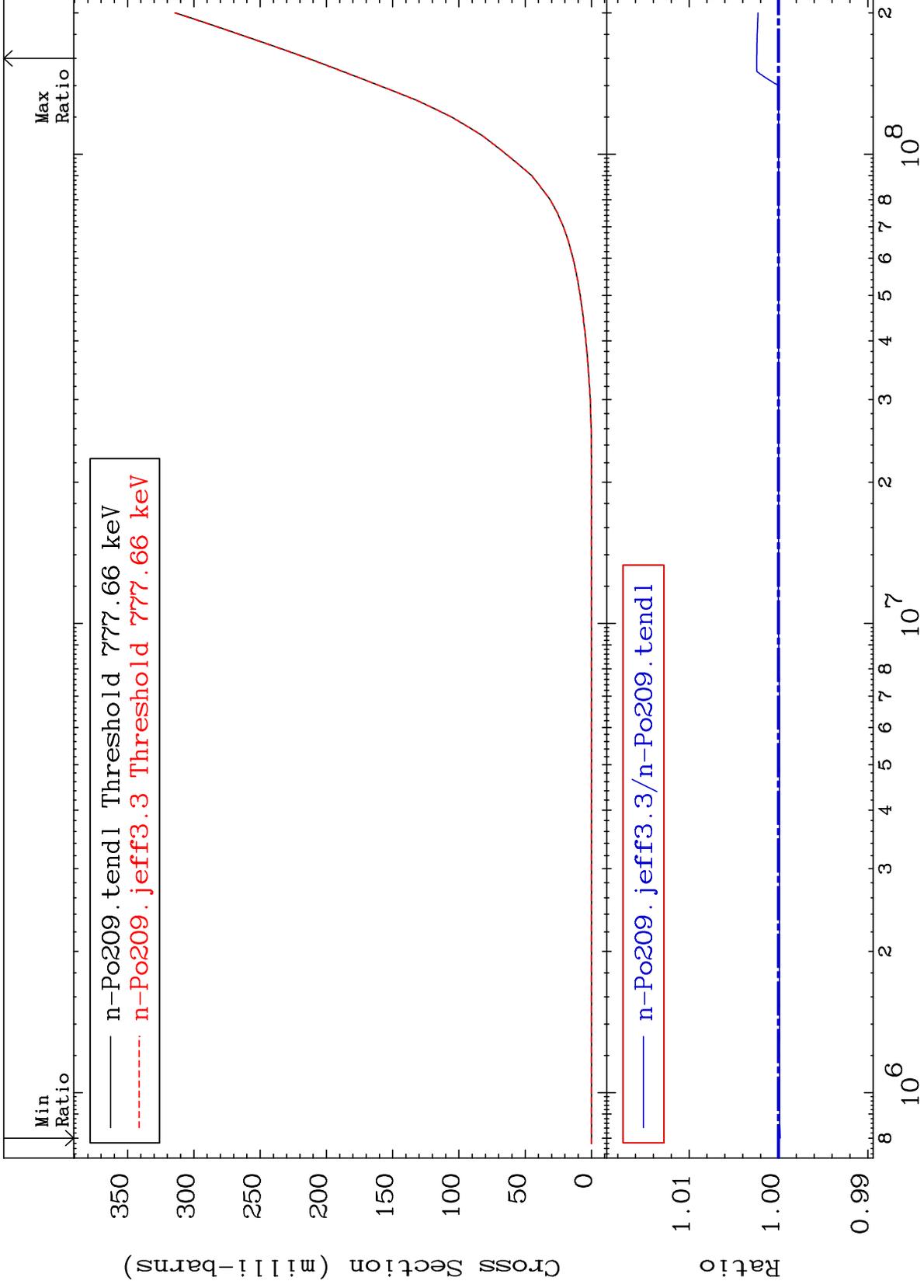
84-Po-209  
-2.576 To 9999. %



MAT 8434

He-3 Production  
Cross Section

84-Po-209  
-0.020 To 0.244 %



67

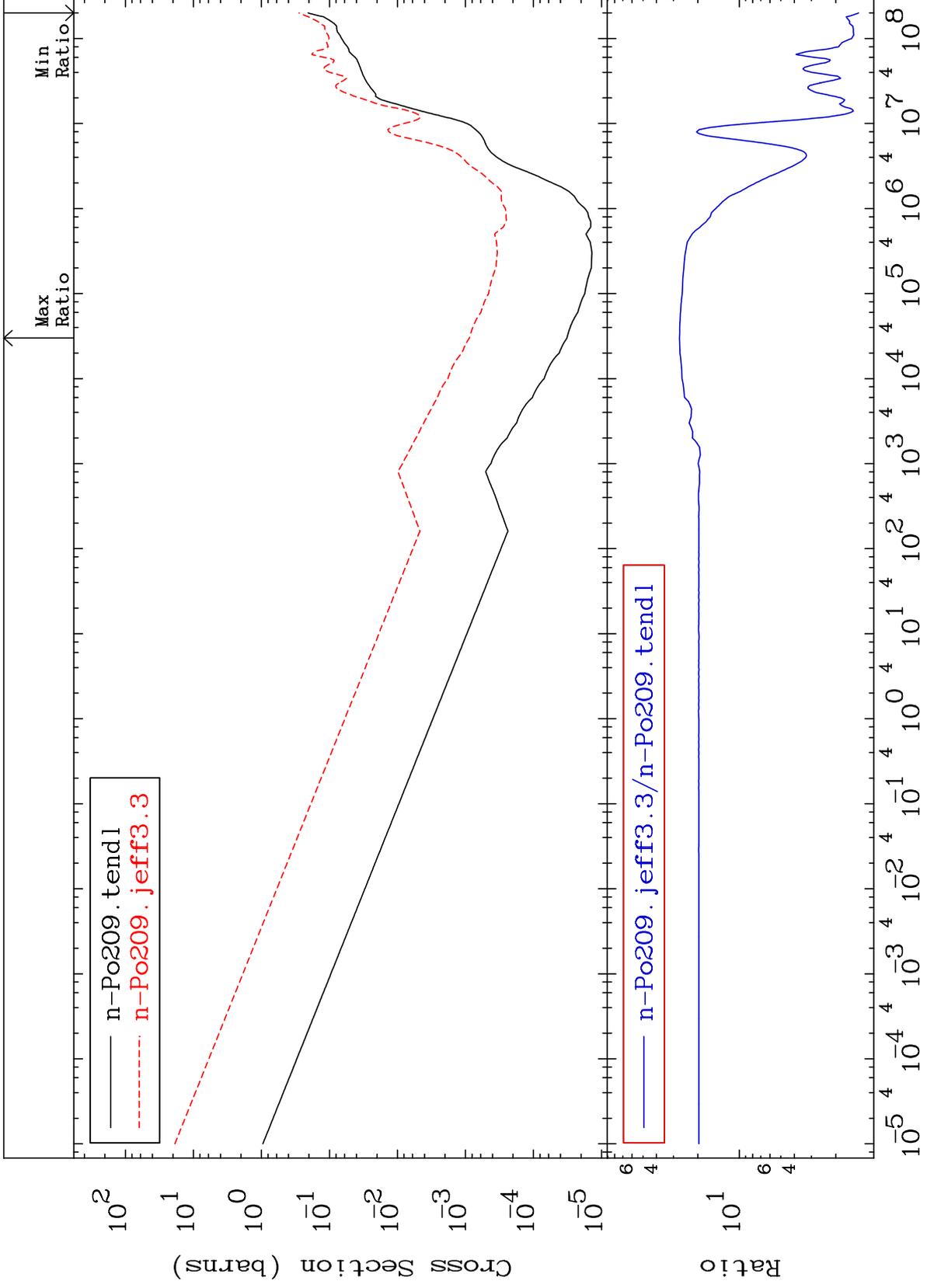
Incident Energy (eV)

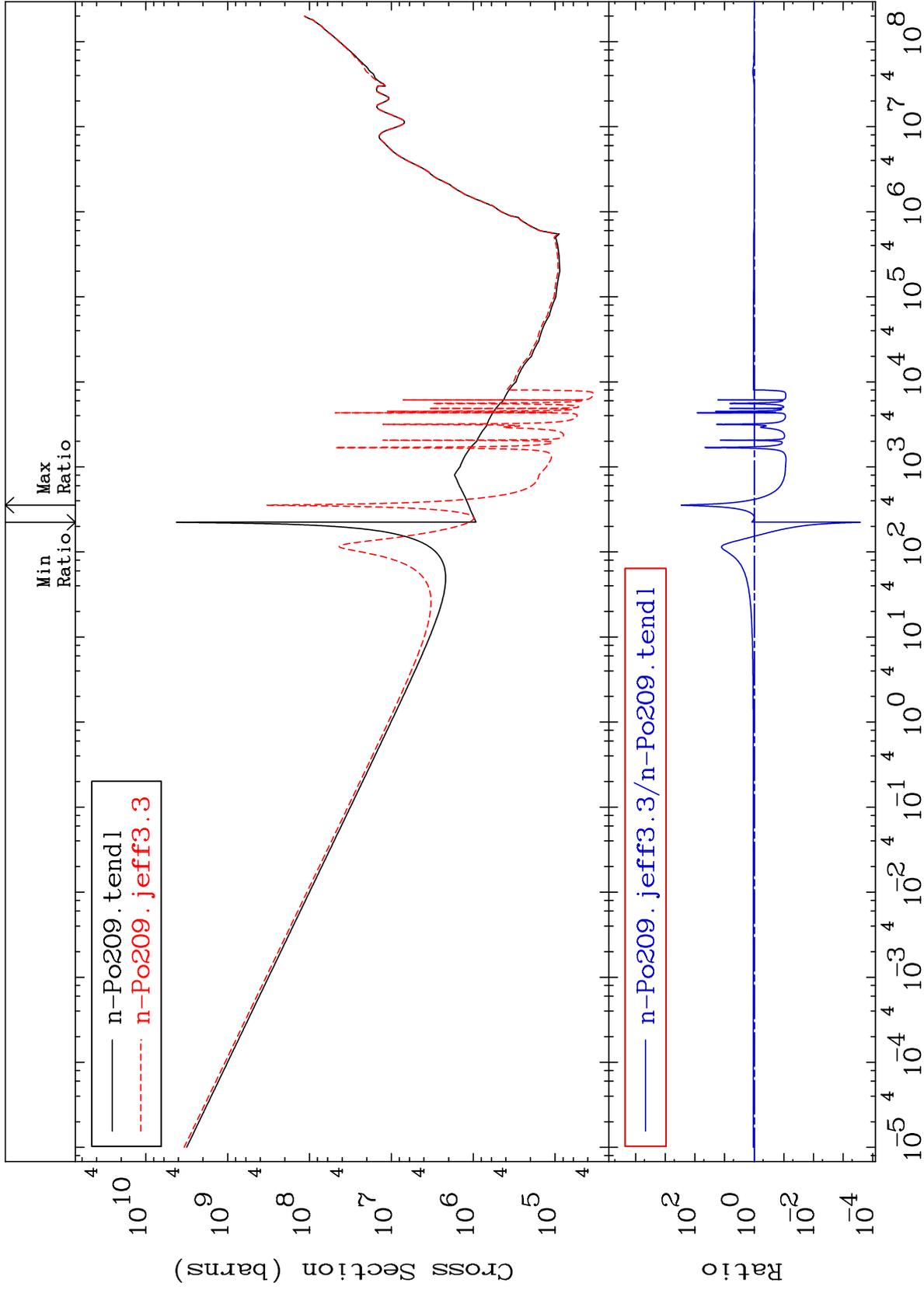
84-Po-209

MAT 8434

He-4 Production  
Cross Section

84-Po-209  
36.76 To 2614. %

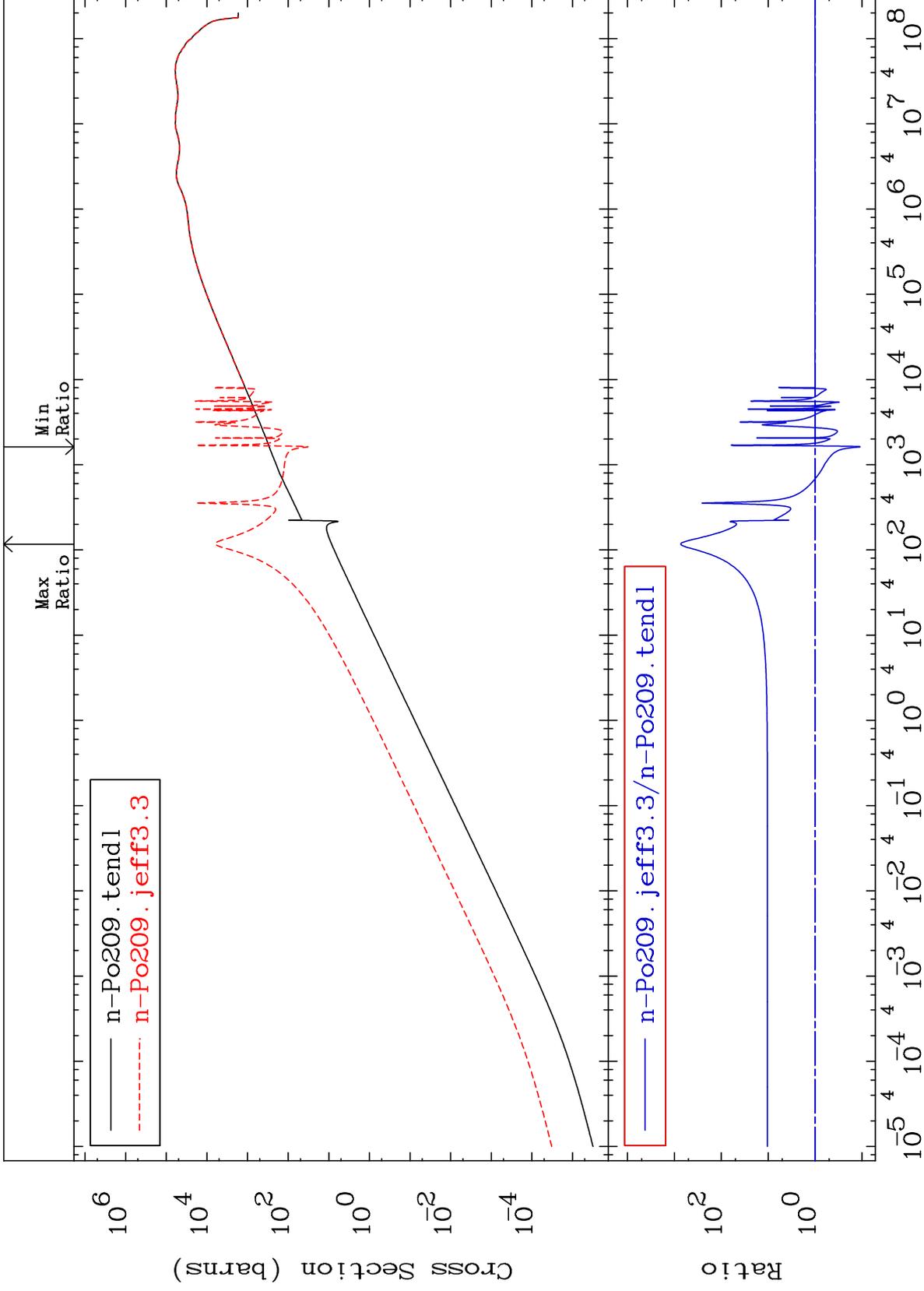




MAT 8434

Kerma elastic  
Cross Section

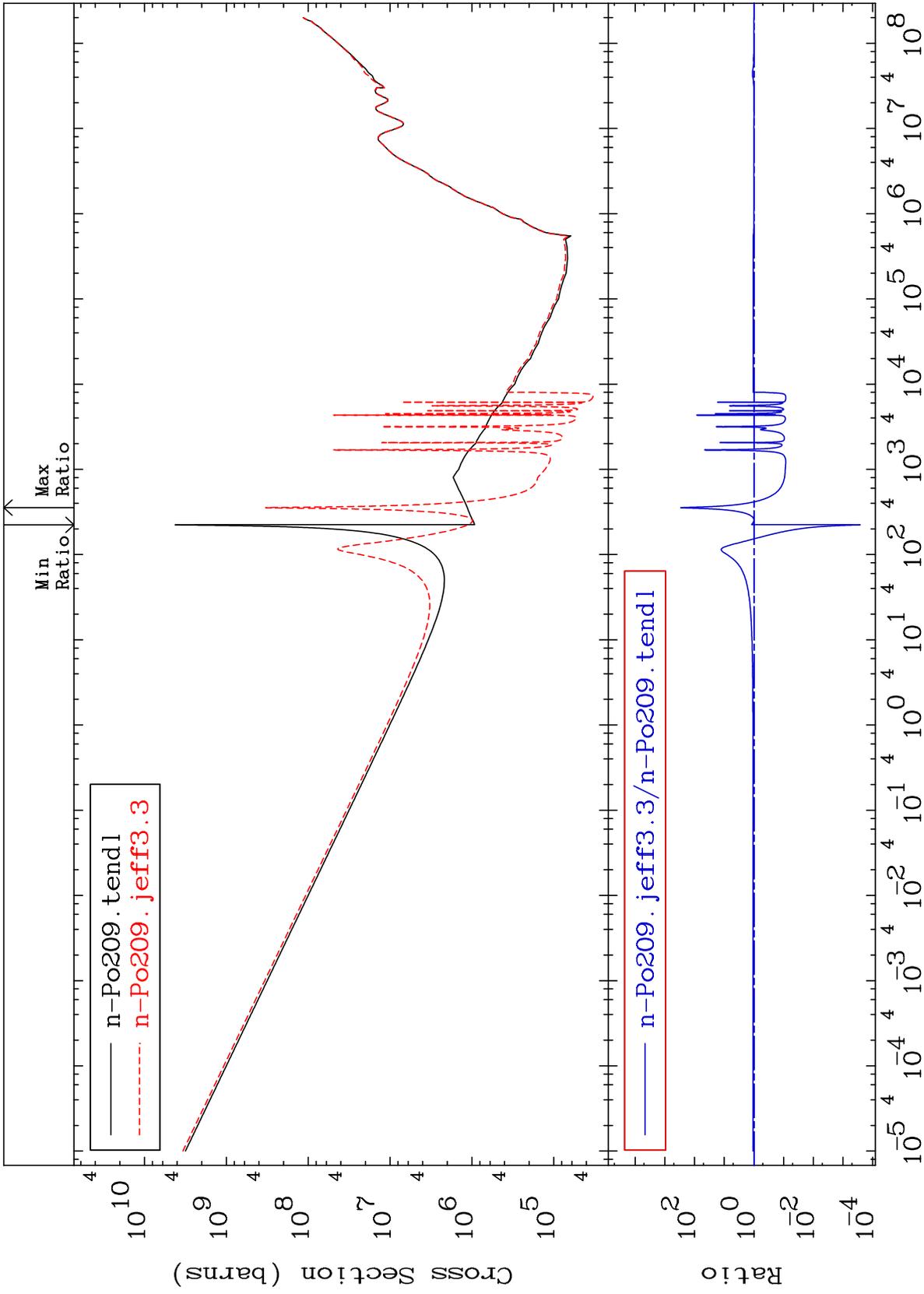
84-Po-209  
-89.09 To 9999. %

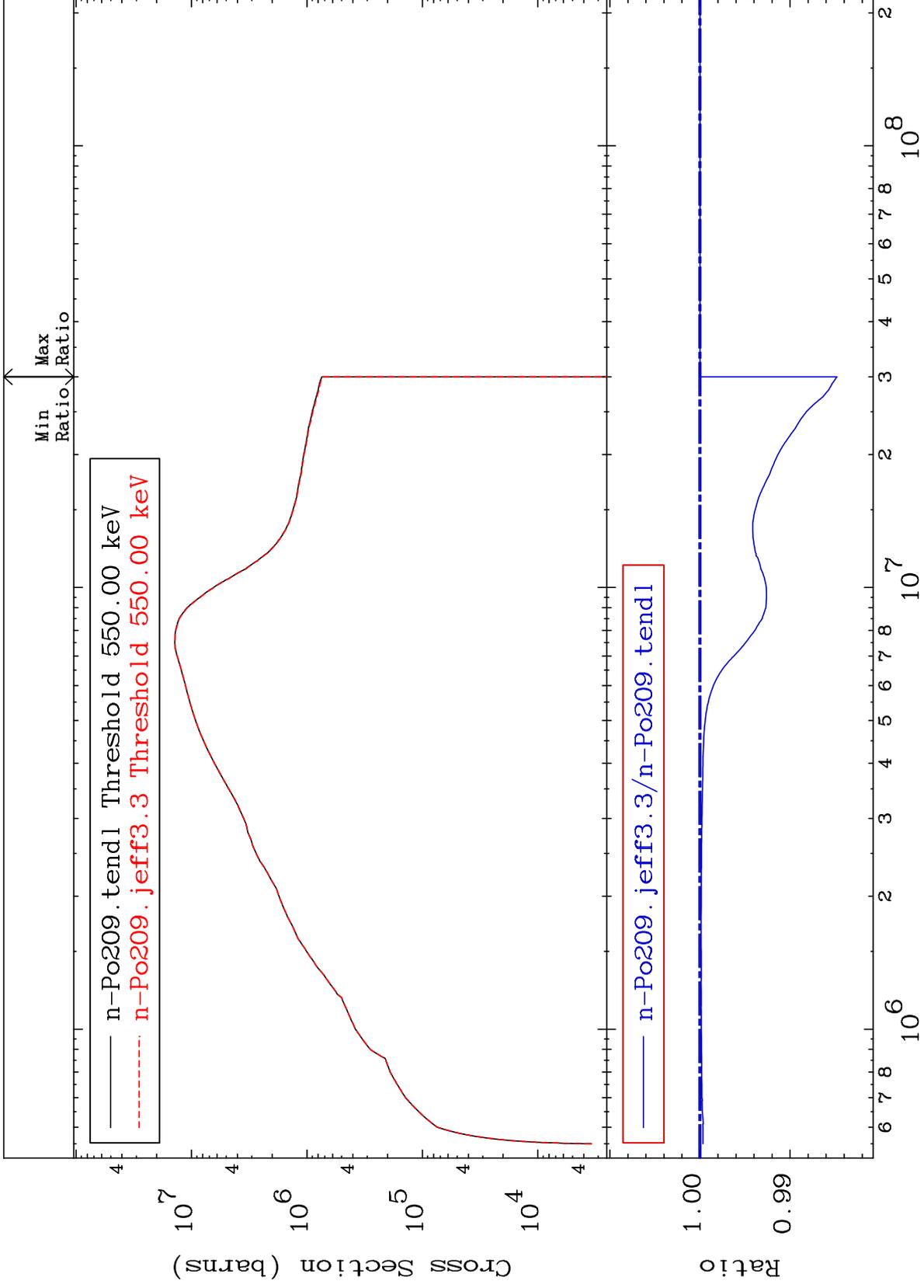


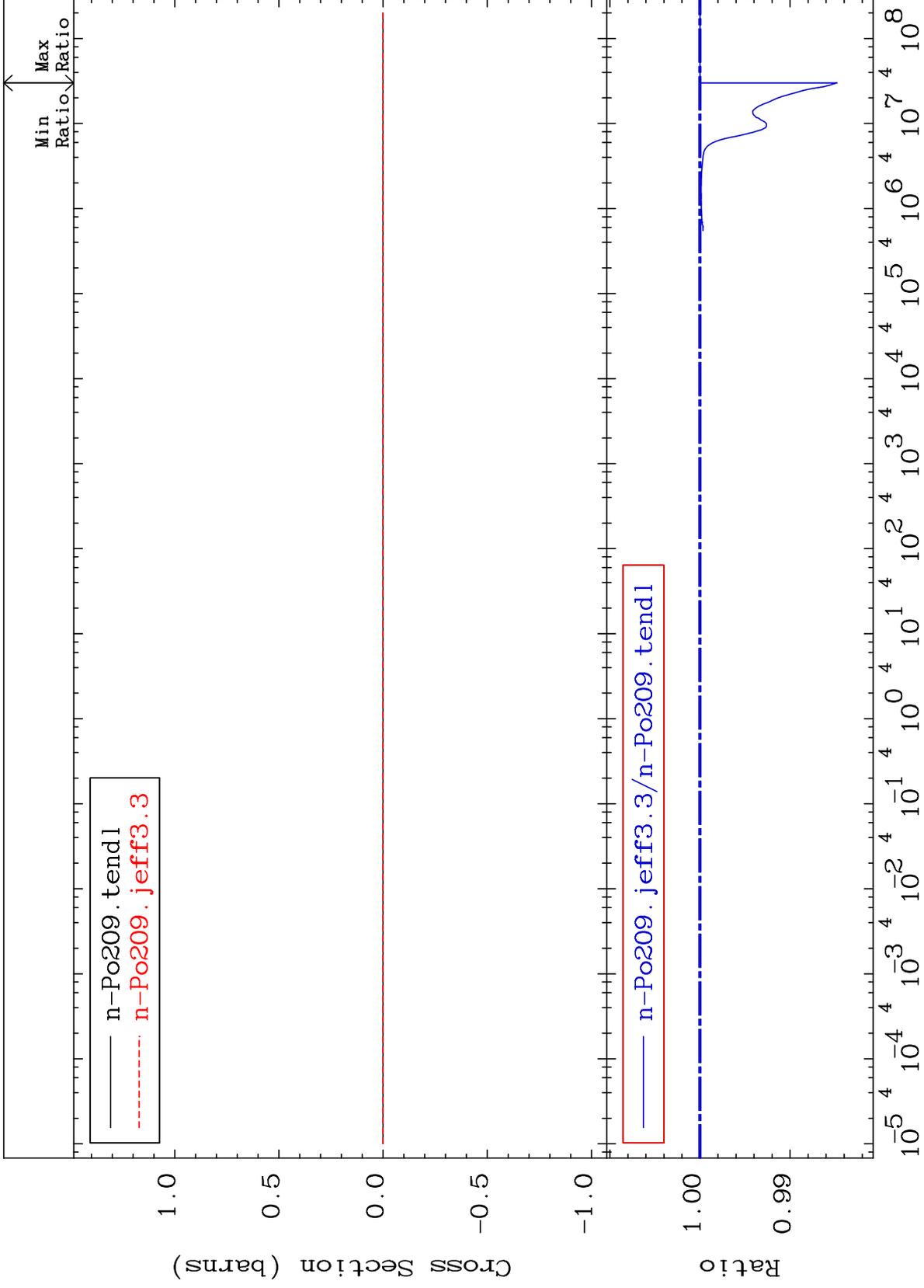
70

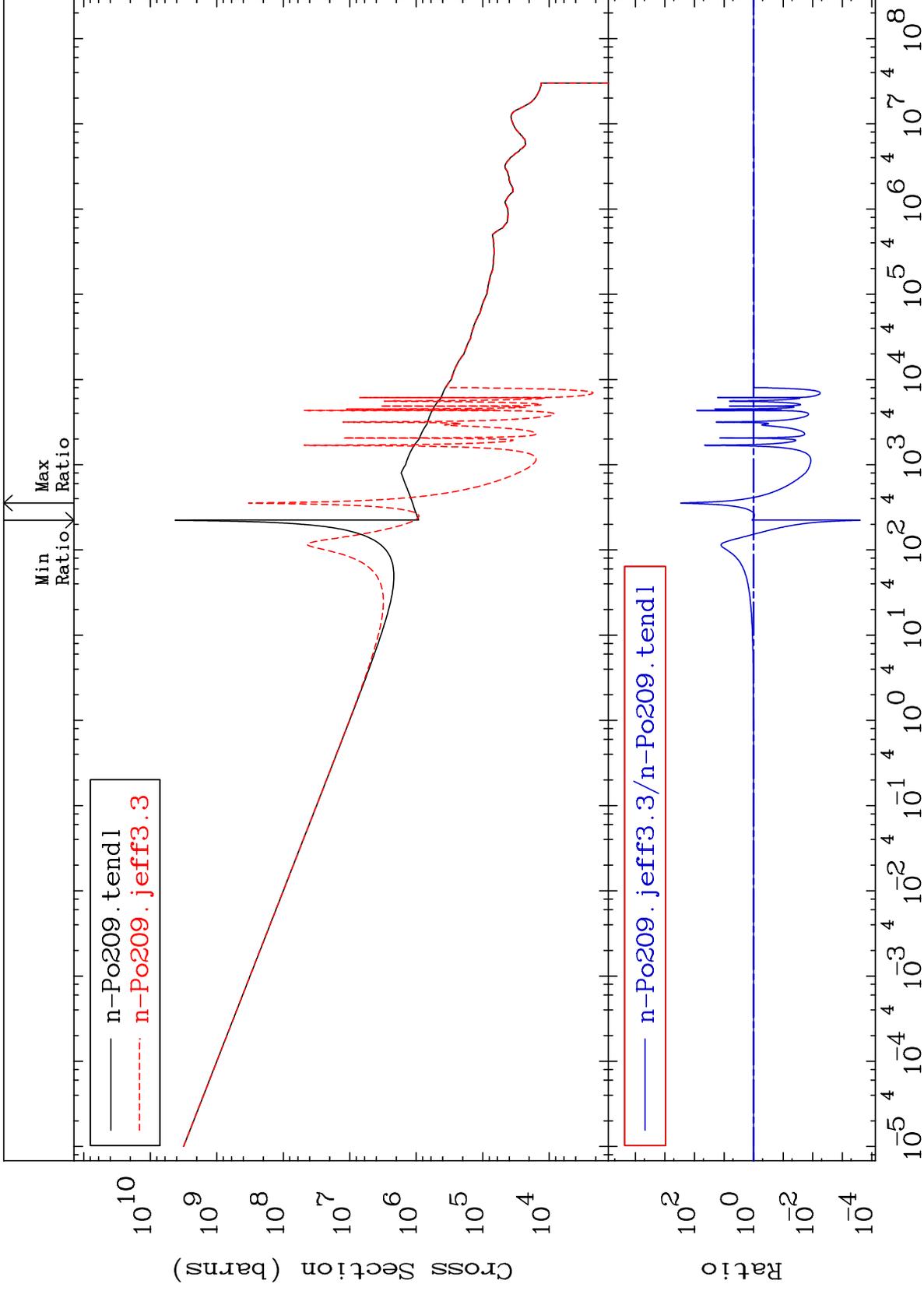
Incident Energy (eV)

84-Po-209





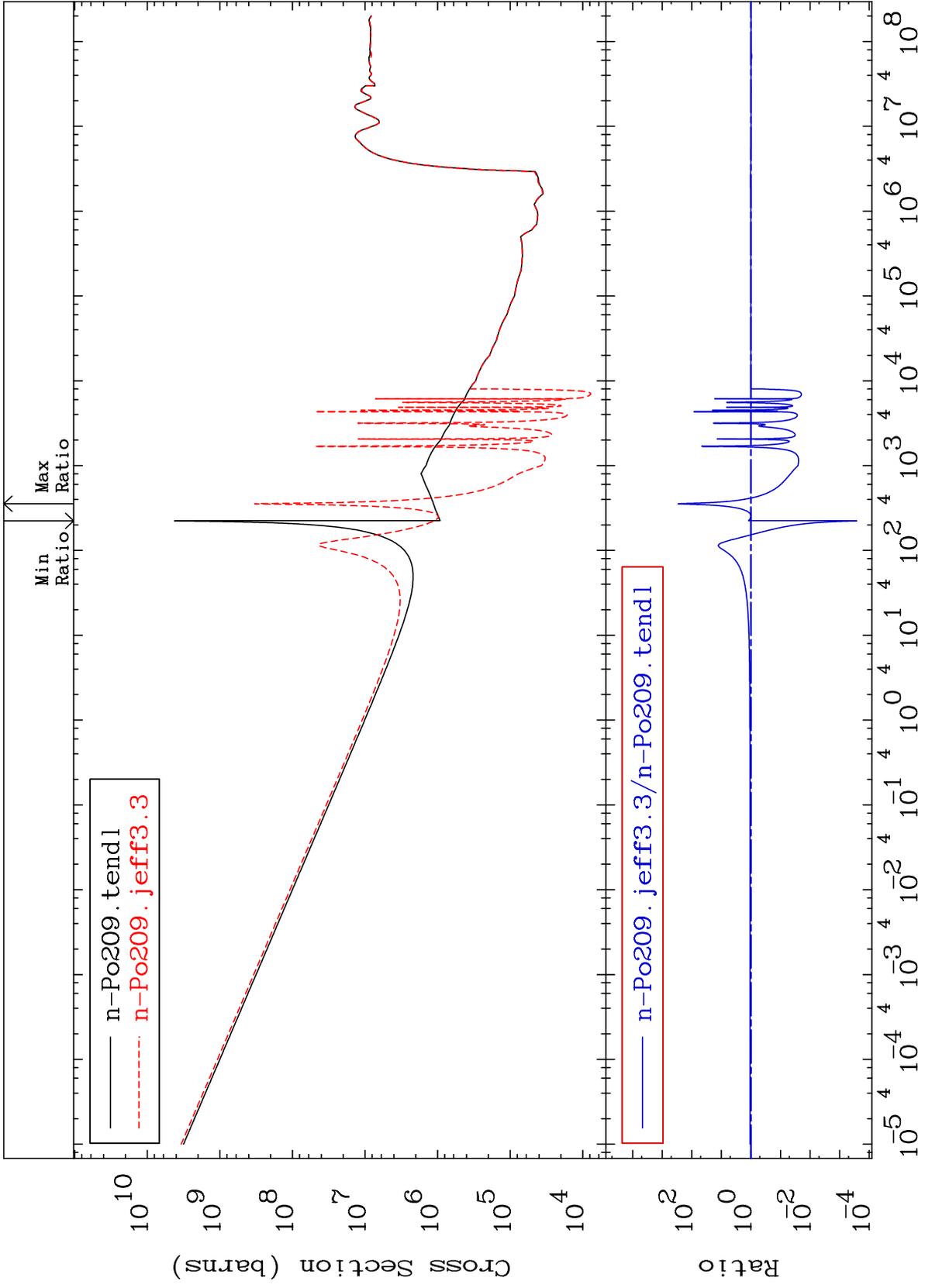




MAT 8434

Total photon (eV-barns)  
Cross Section

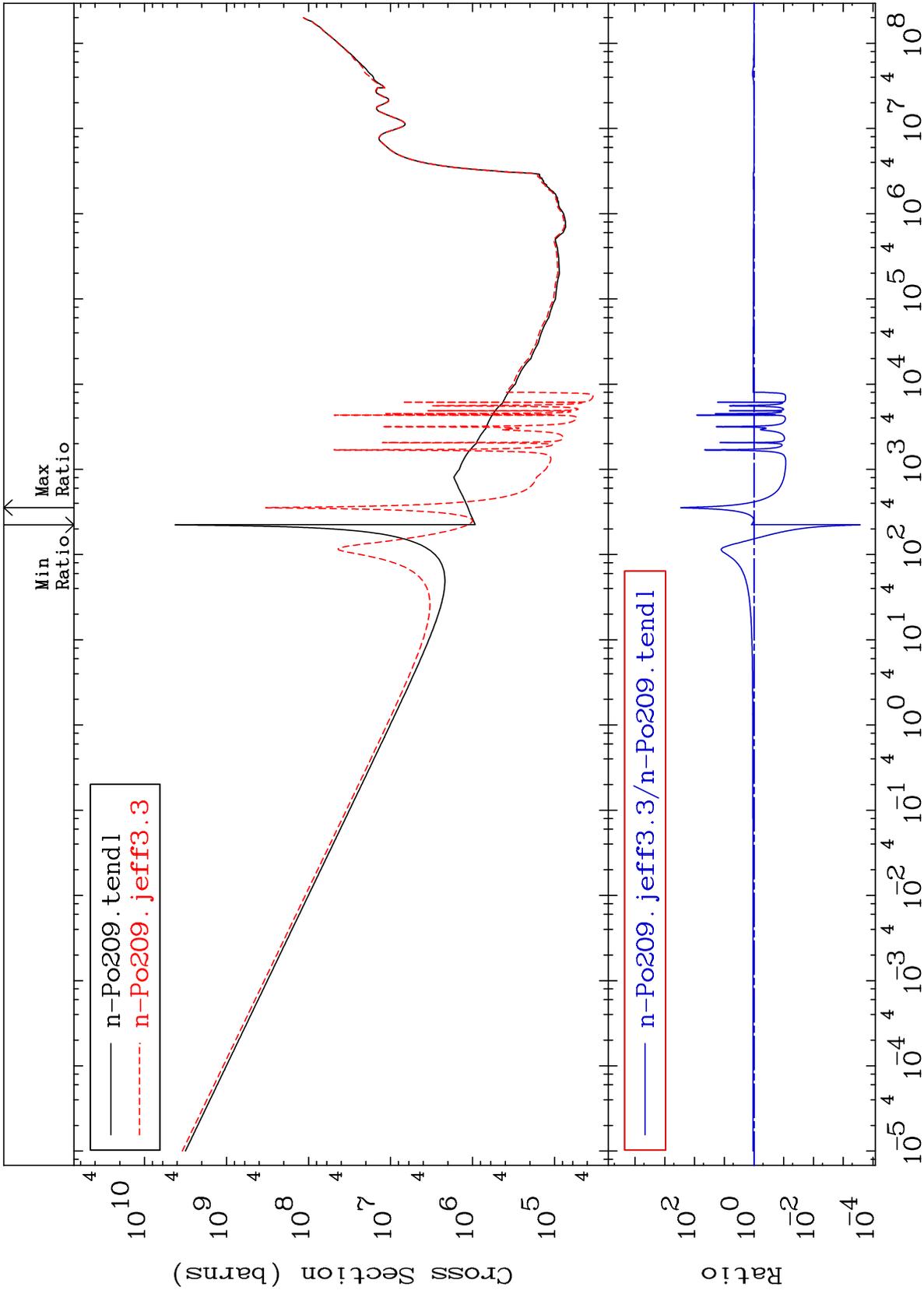
84-Po-209  
-99.97 To 9999. %

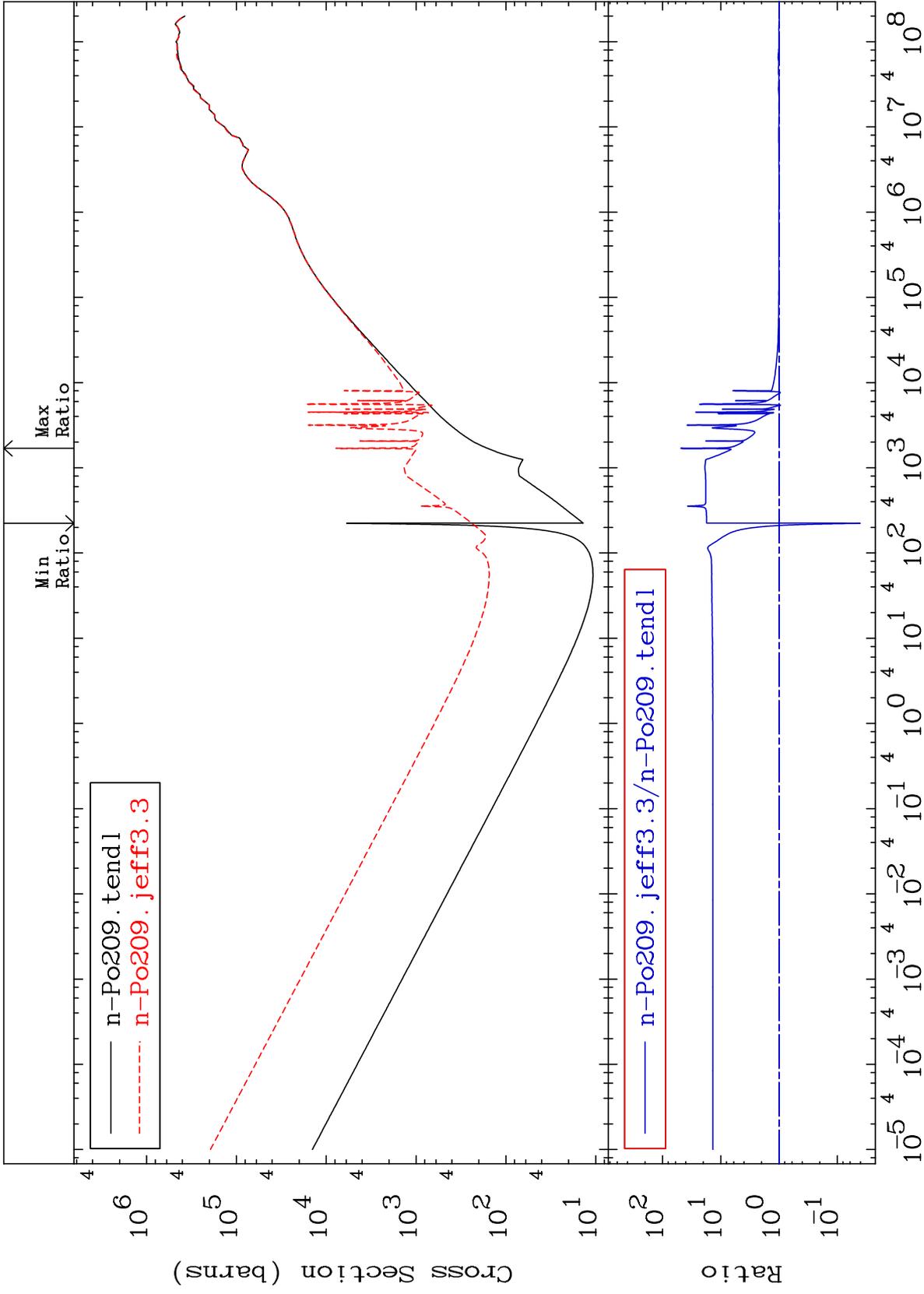


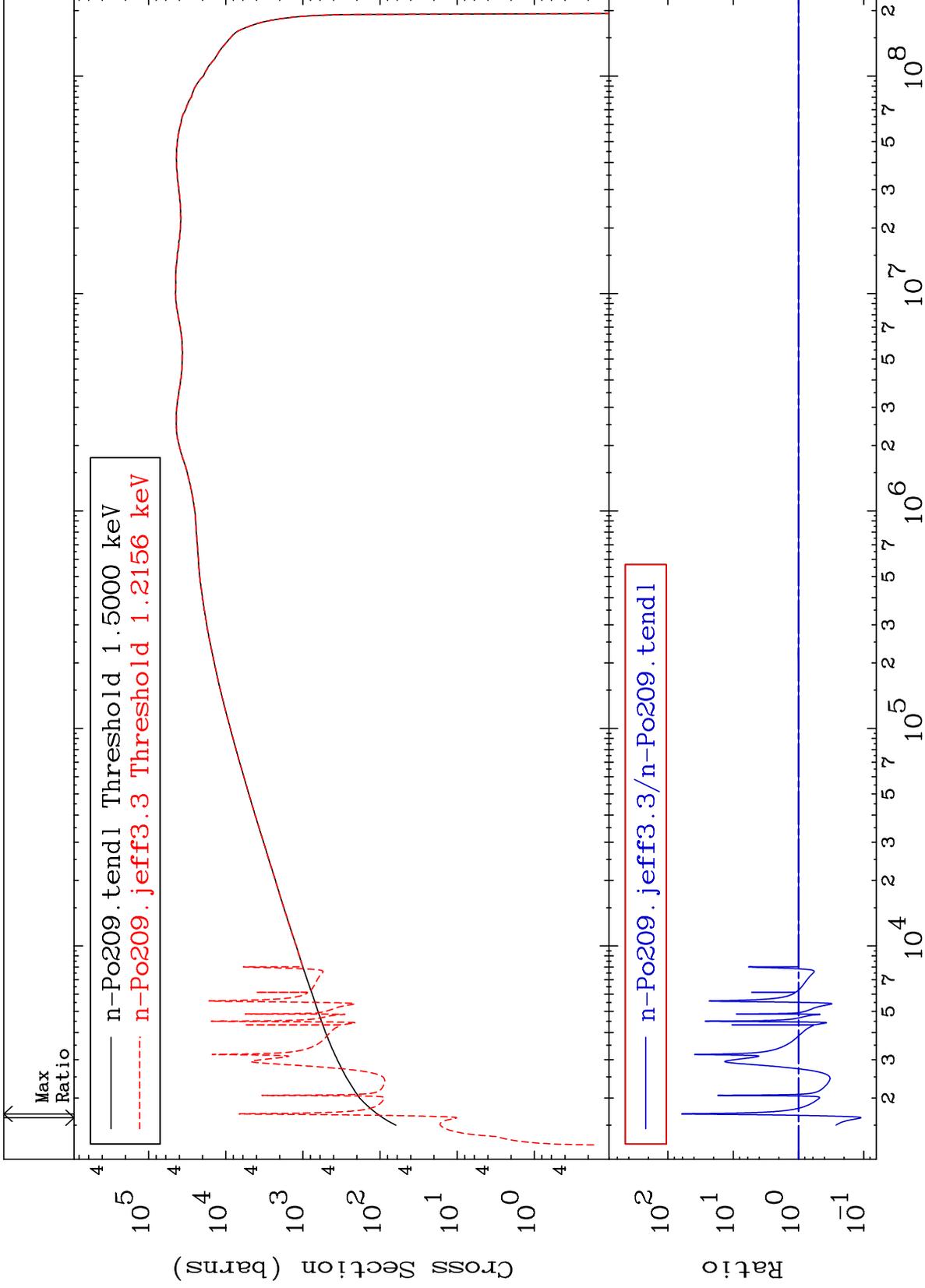
75

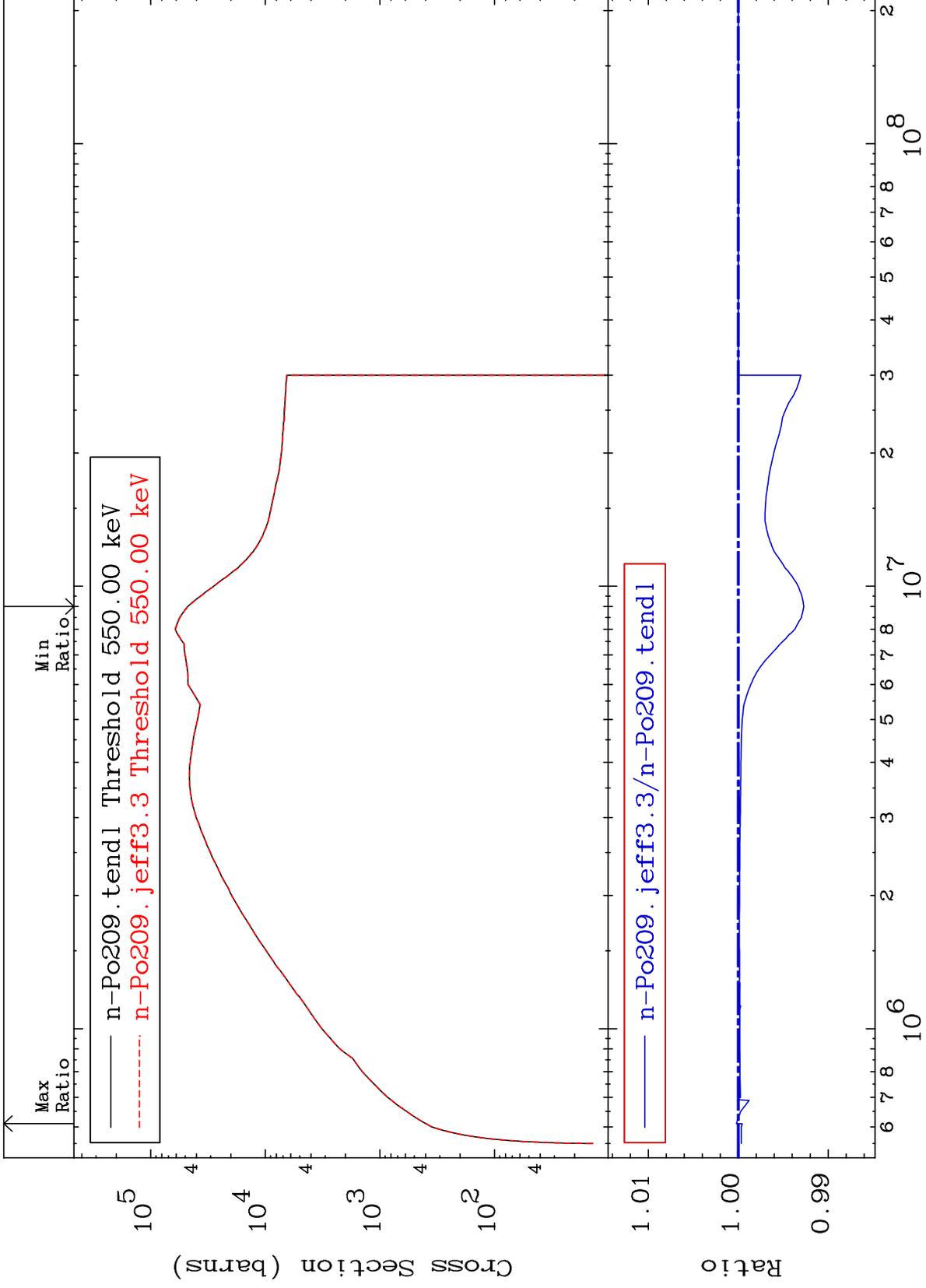
Incident Energy (eV)

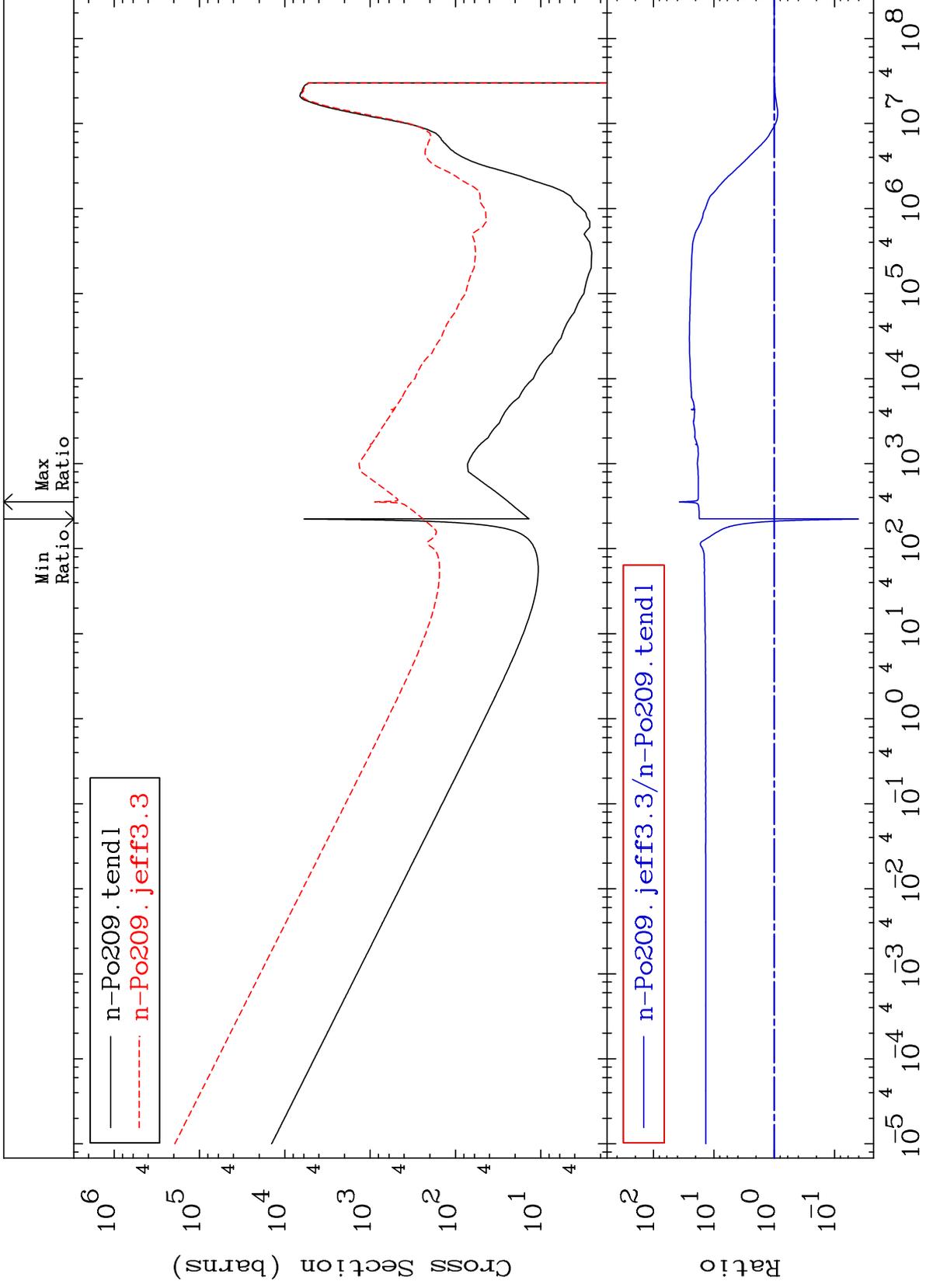
84-Po-209

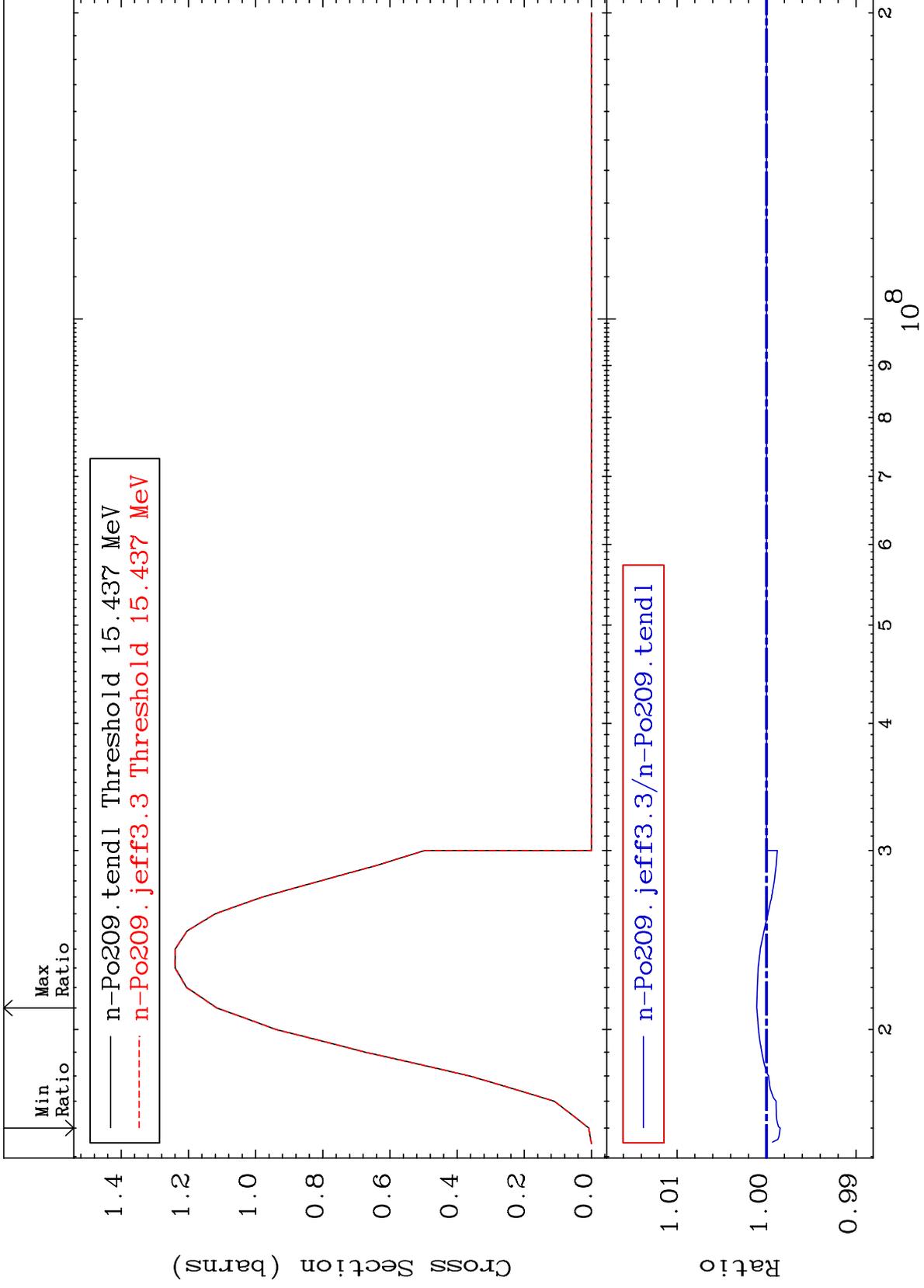












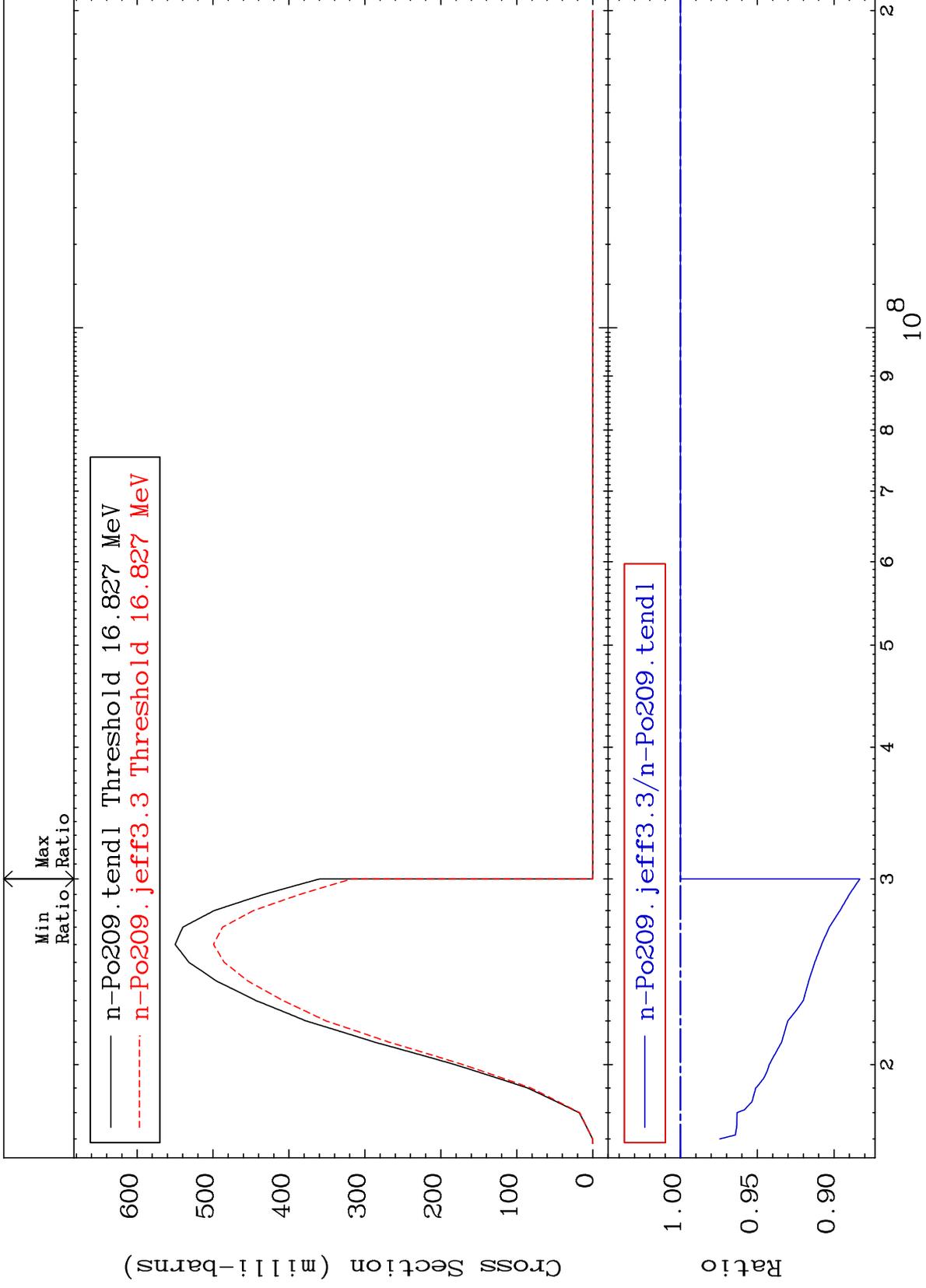
MAT 8434

(n,3n):84-Po-207m14

84-Po-209

Radionuclide Production Cross Section

-11.67 To 0.000 %



82

Incident Energy (eV)

84-Po-209

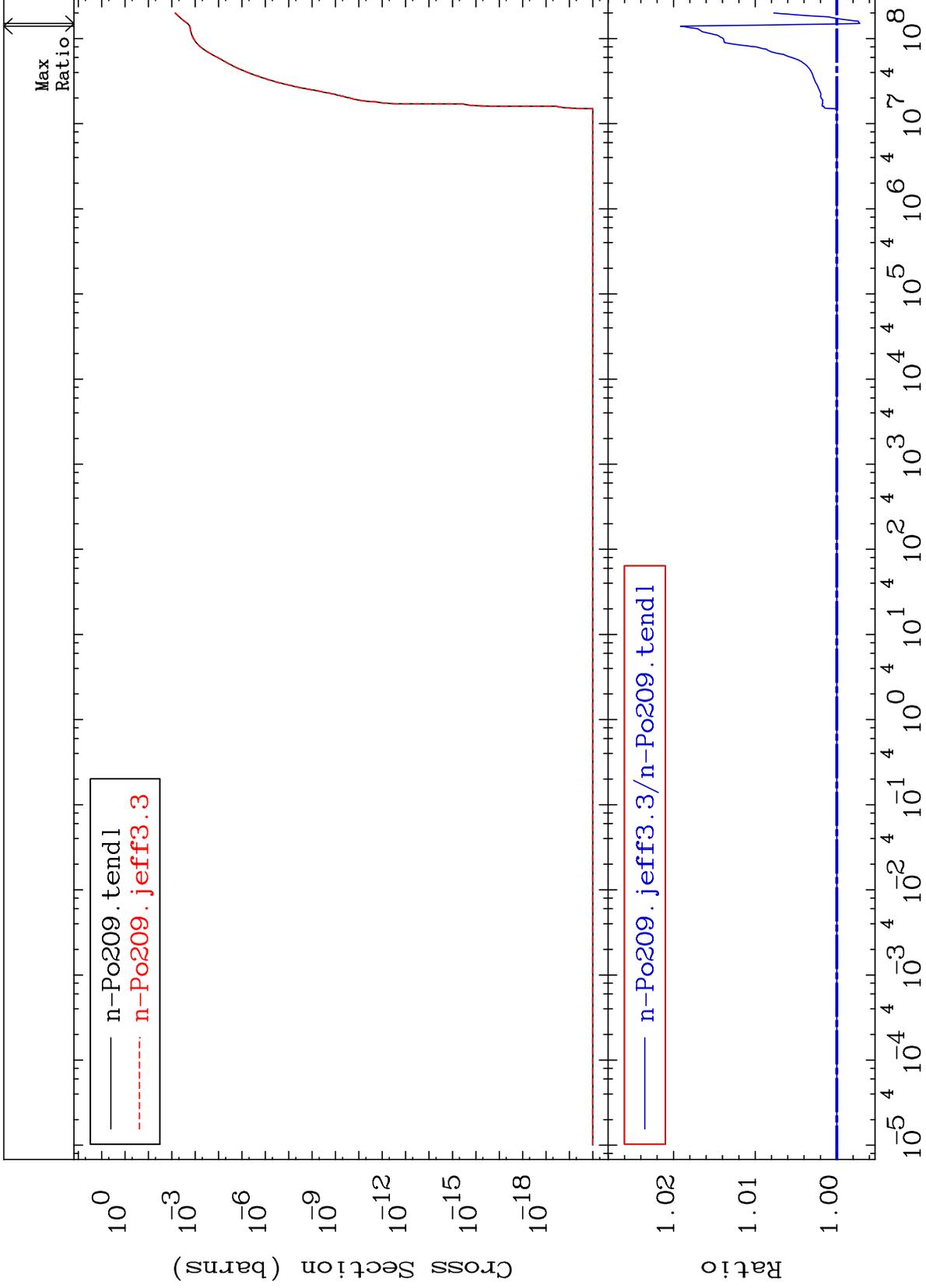
MAT 8434

Fission: Photon

84-Po-209

Radionuclide Production Cross Section

-0.281 To 1.914 %



83

Incident Energy (eV)

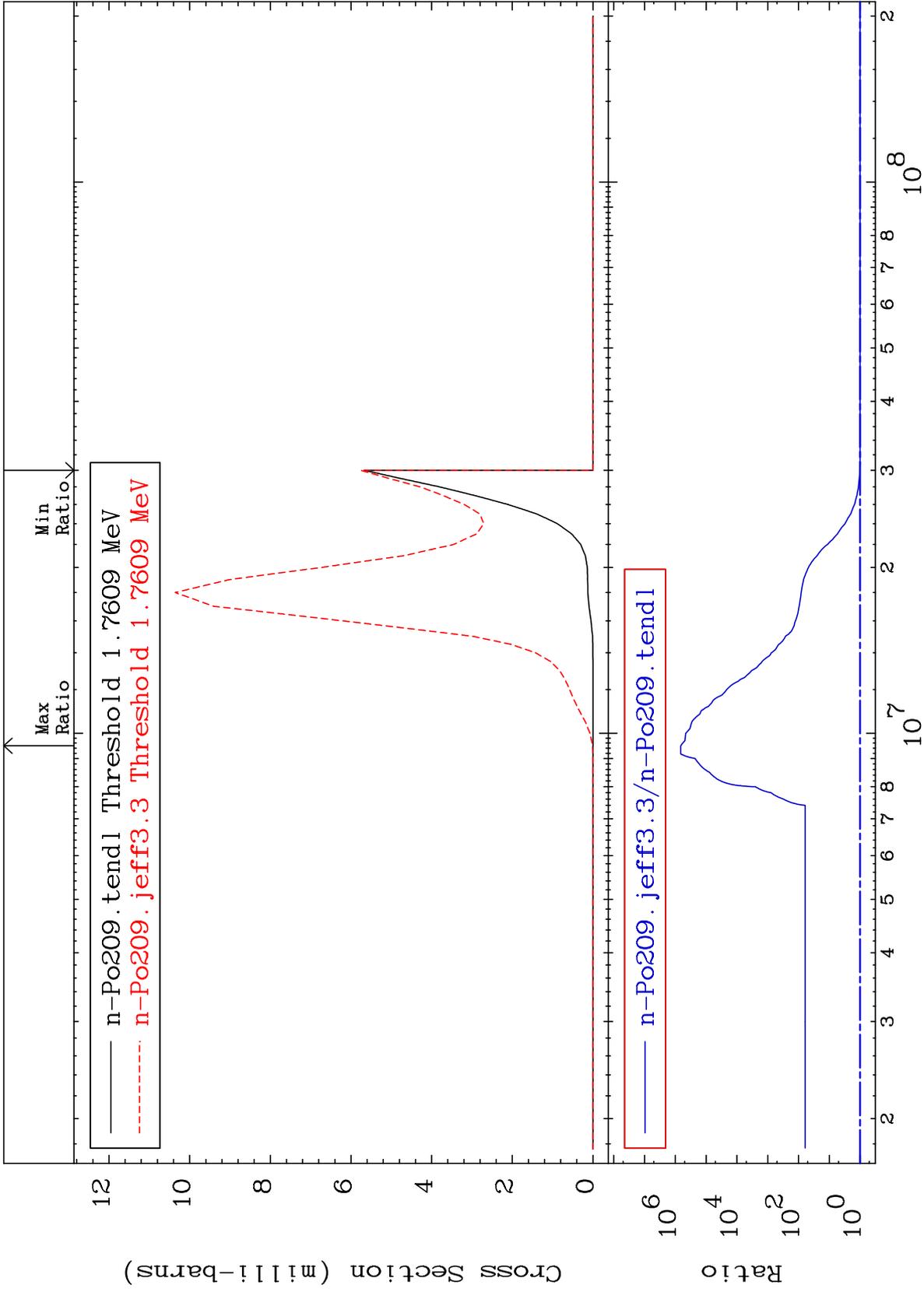
84-Po-209

MAT 8434

(n,2n)  $\alpha$ : 82-Pb-204g

84-Po-209  
To 9999. %

Radionuclide Production Cross Section 0.000



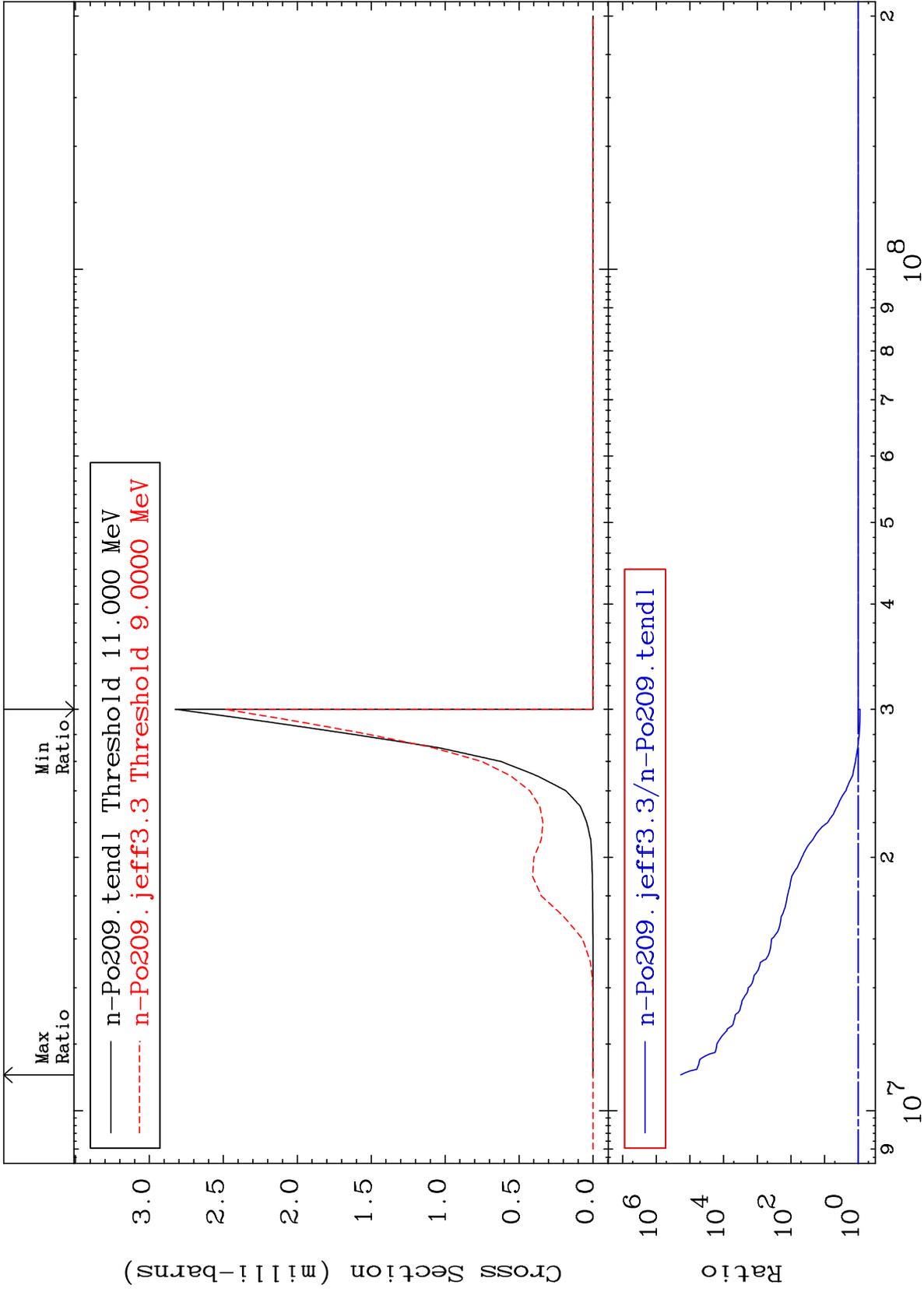
84

Incident Energy (eV)

84-Po-209

MAT 8434

(n,2n)  $\alpha$ :82-Pb-204m21 84-Po-209  
Radionuclide Production Cross Section -11.78 To 9999. %



85

Incident Energy (eV)

84-Po-209

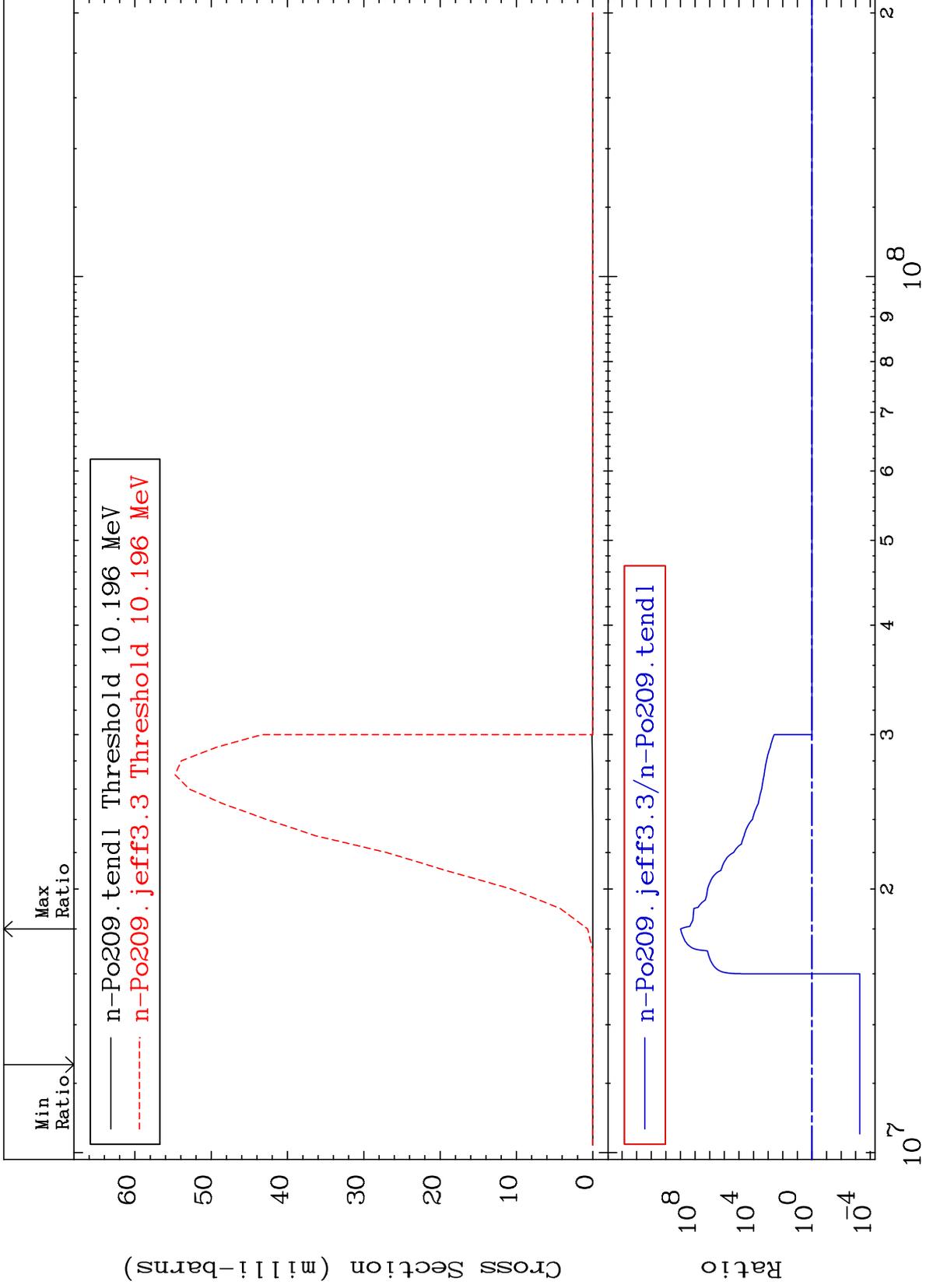
MAT 8434

(n,3n)  $\alpha$ :82-Pb-203g

84-Po-209

Radionuclide Production Cross Section

-99.95 To 9999. %



86

Incident Energy (eV)

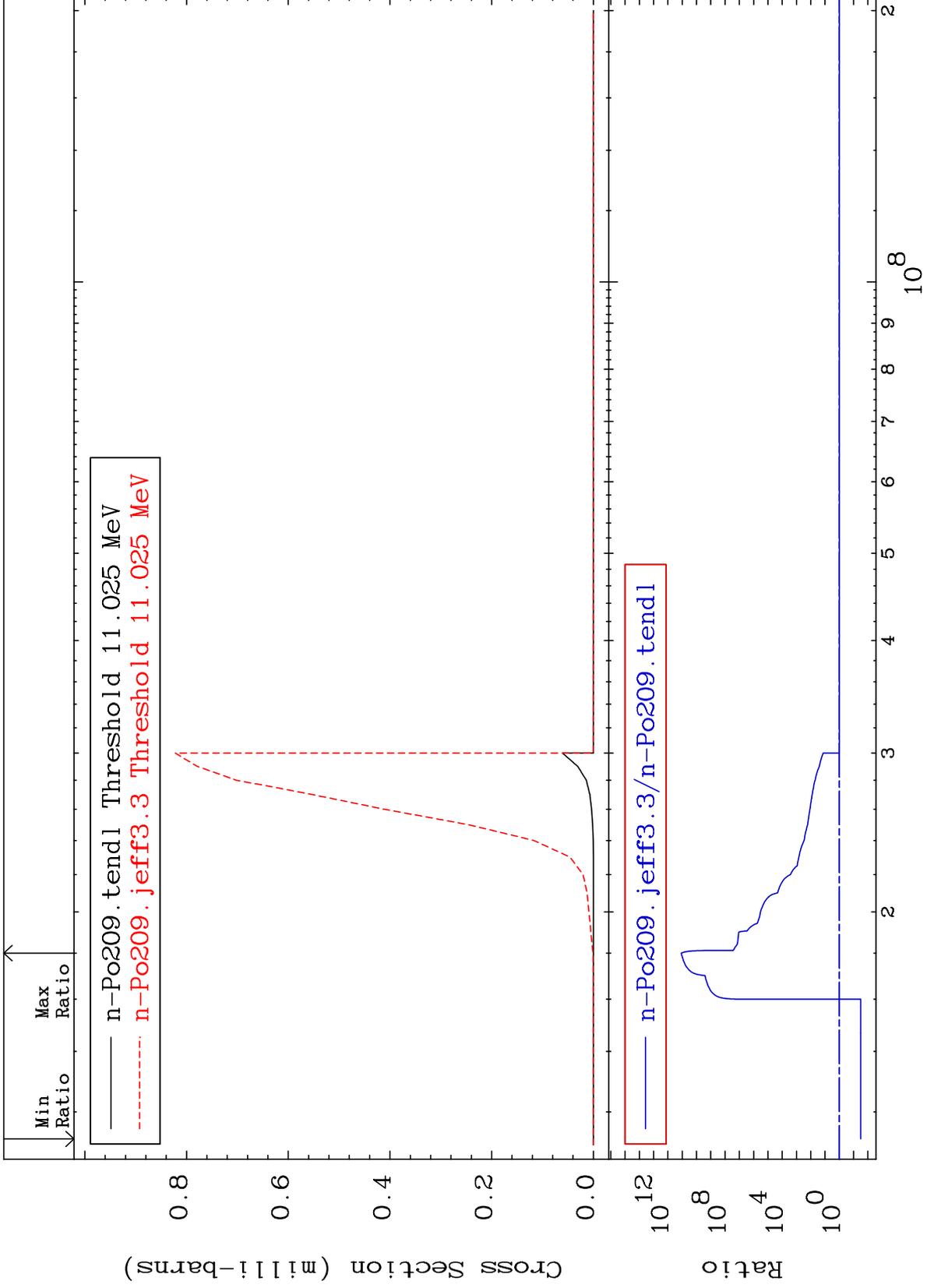
84-Po-209

MAT 8434

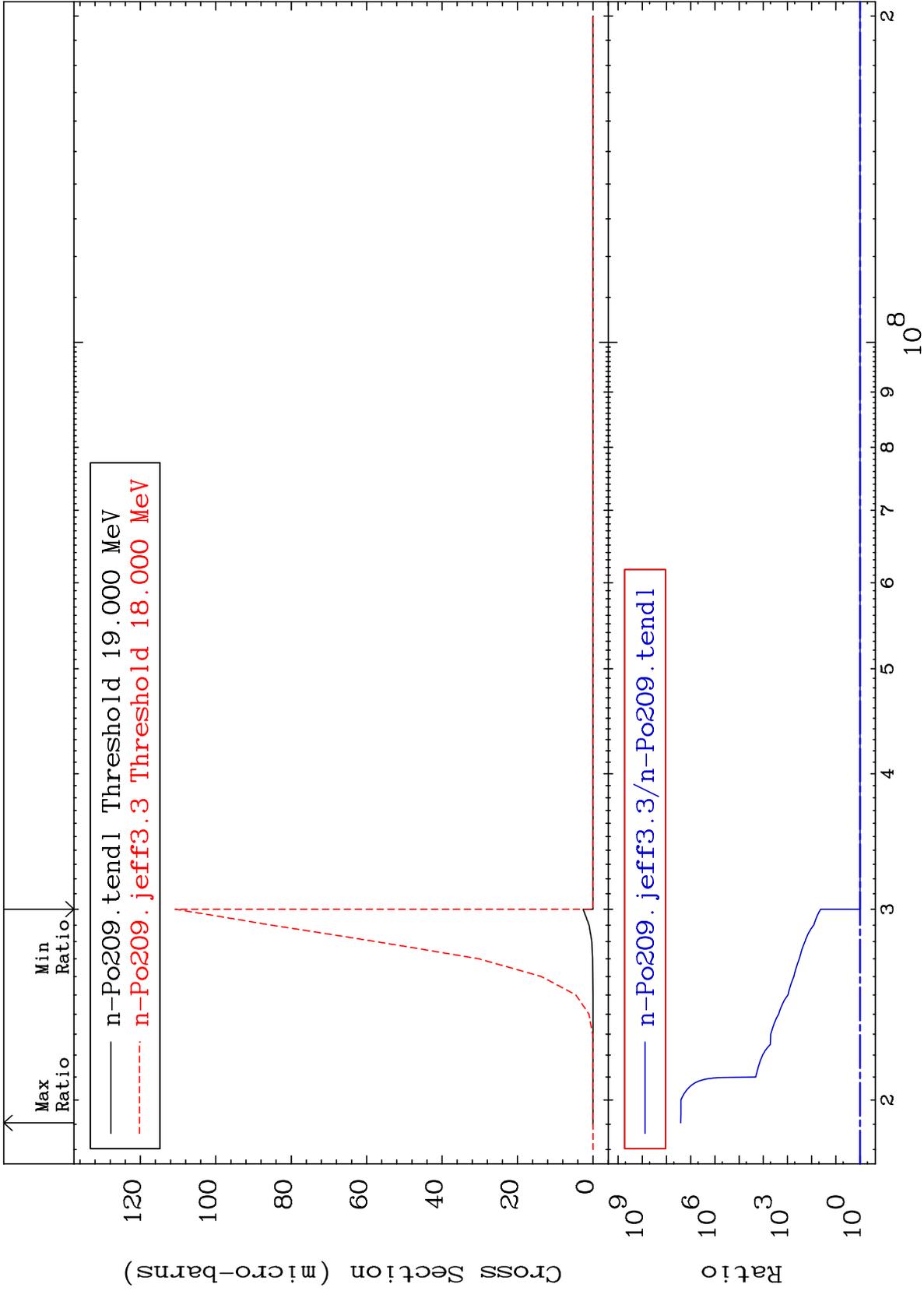
(n,3n)  $\alpha$ : 82-Pb-203m6

84-Po-209

Radionuclide Production Cross Section -96.81 To 9999. %

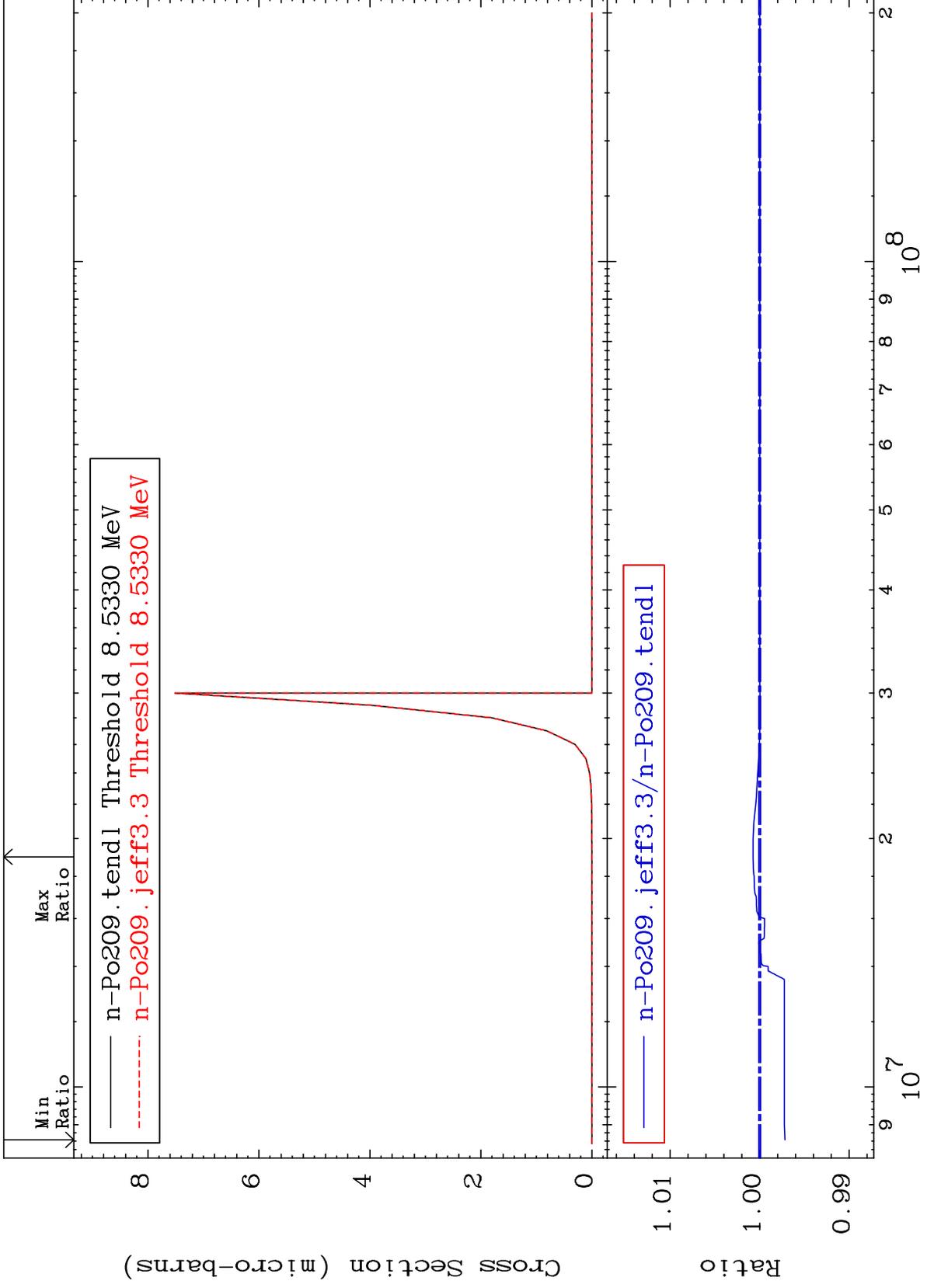


Radionuclide Production Cross Section 0.000 To 9999. %



MAT 8434

(n,2n) p:82-Pb-207g 84-Po-209  
Radionuclide Production Cross Section -0.283 To 0.074 %

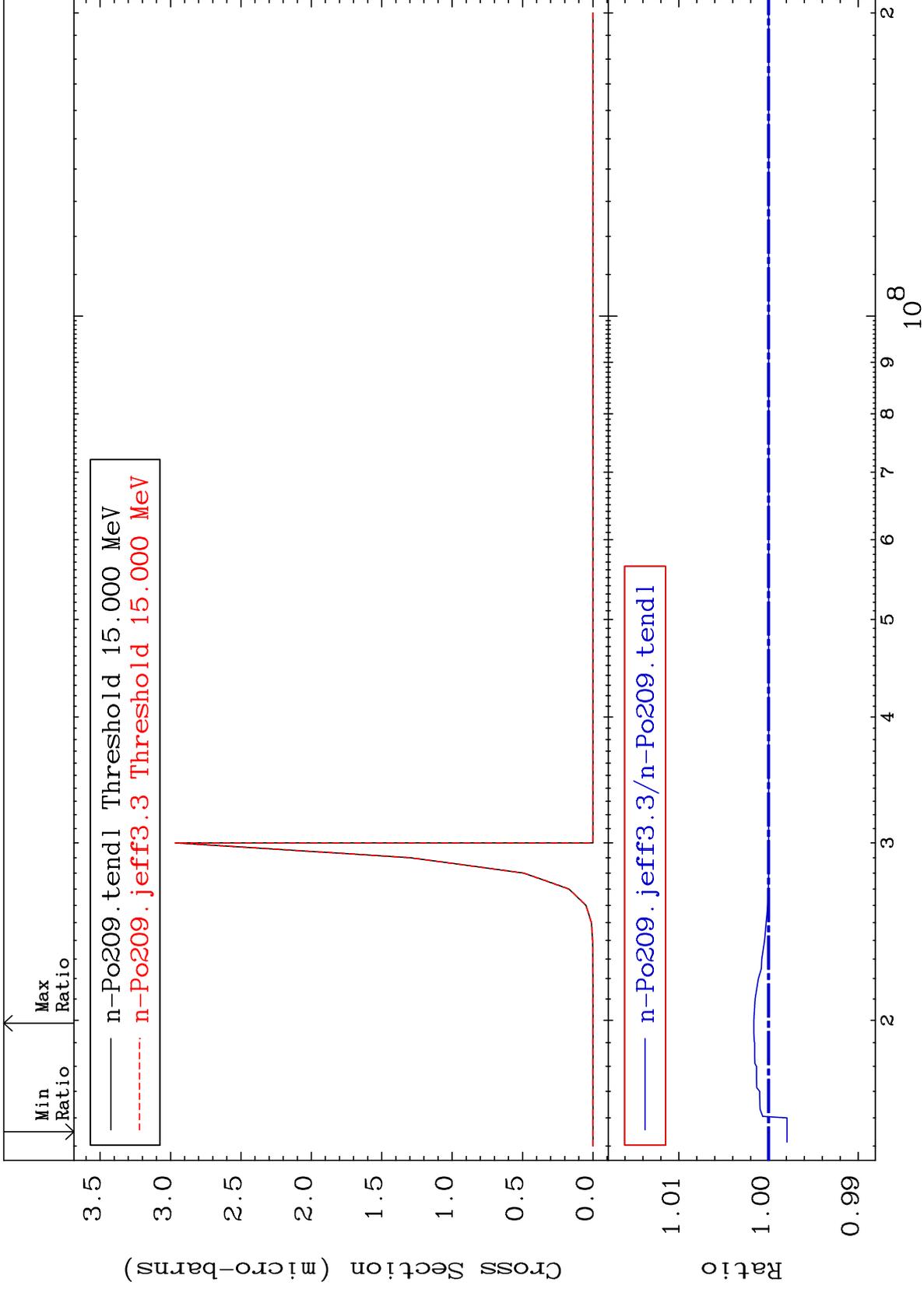


89

Incident Energy (eV)

84-Po-209

Radionuclide Production Cross Section -0.207 To 0.165 %



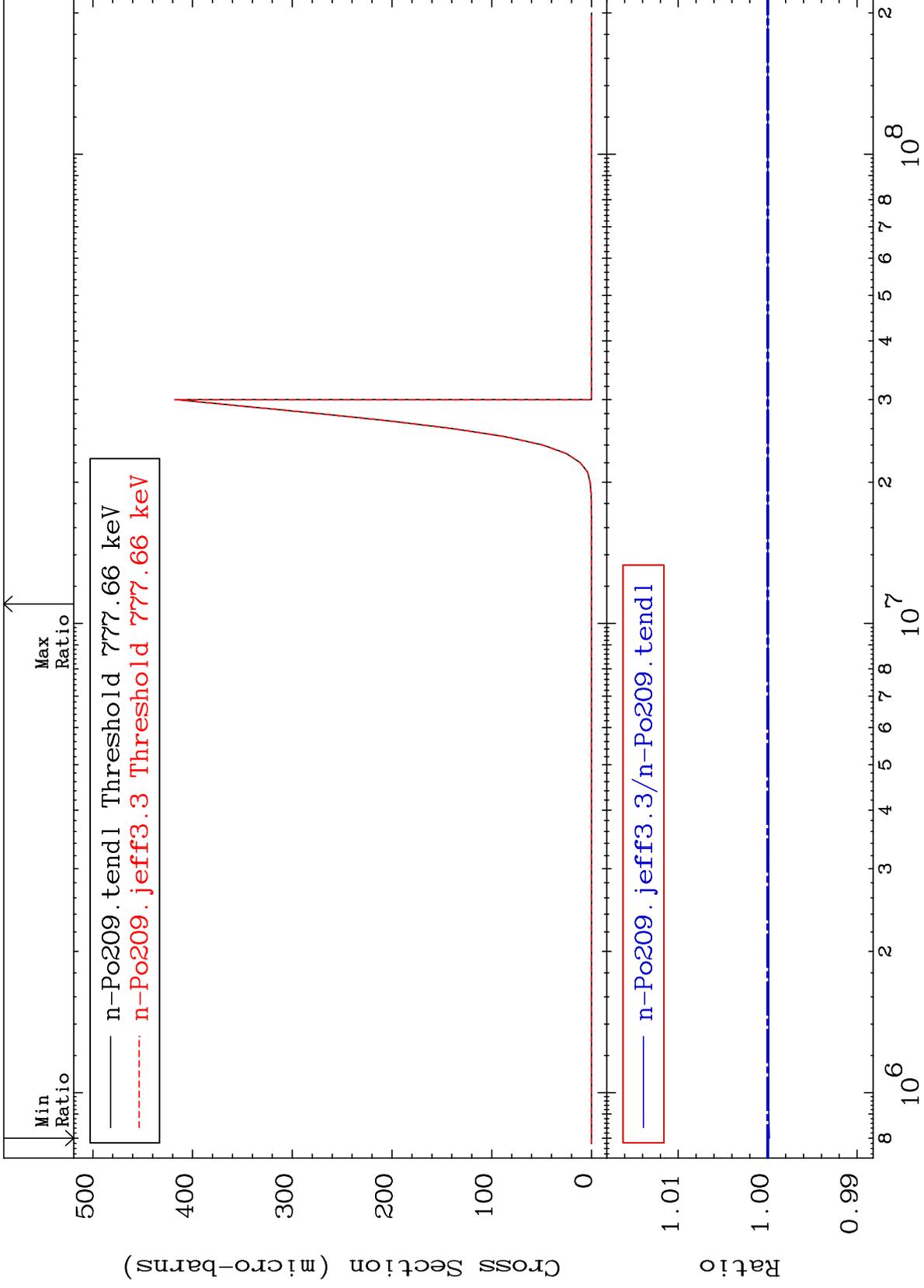
MAT 8434

(n,He-3):82-Pb-207g

84-Po-209

Radionuclide Production Cross Section

-0.020 To 0.002 %



91

Incident Energy (eV)

84-Po-209

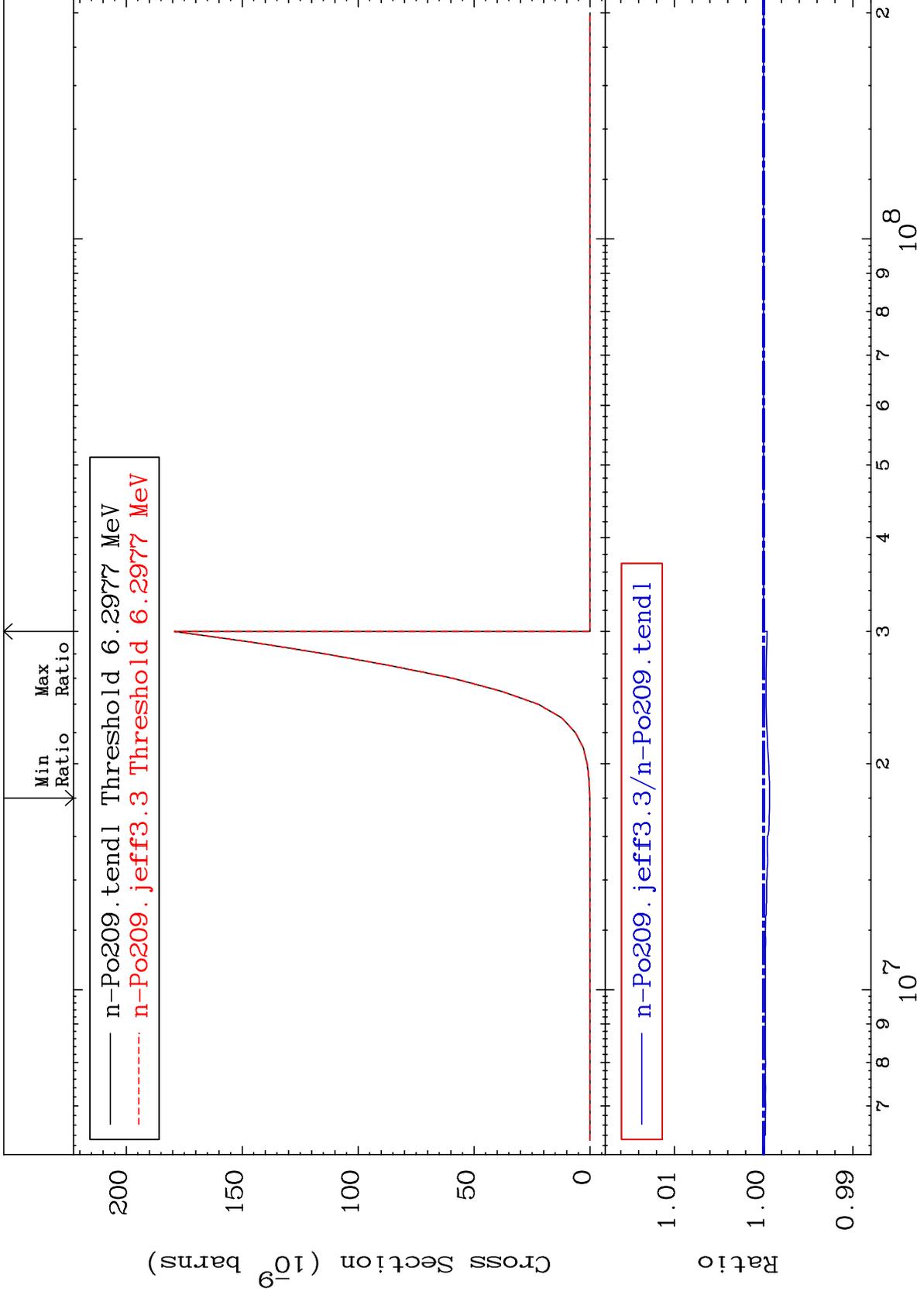
MAT 8434

(n, p) d: 82-Pb-207g

84-Po-209

Radionuclide Production Cross Section

-0.067 To 0.000 %



92

Incident Energy (eV)

84-Po-209

Radionuclide Production Cross Section -0.052 To 0.042 %

