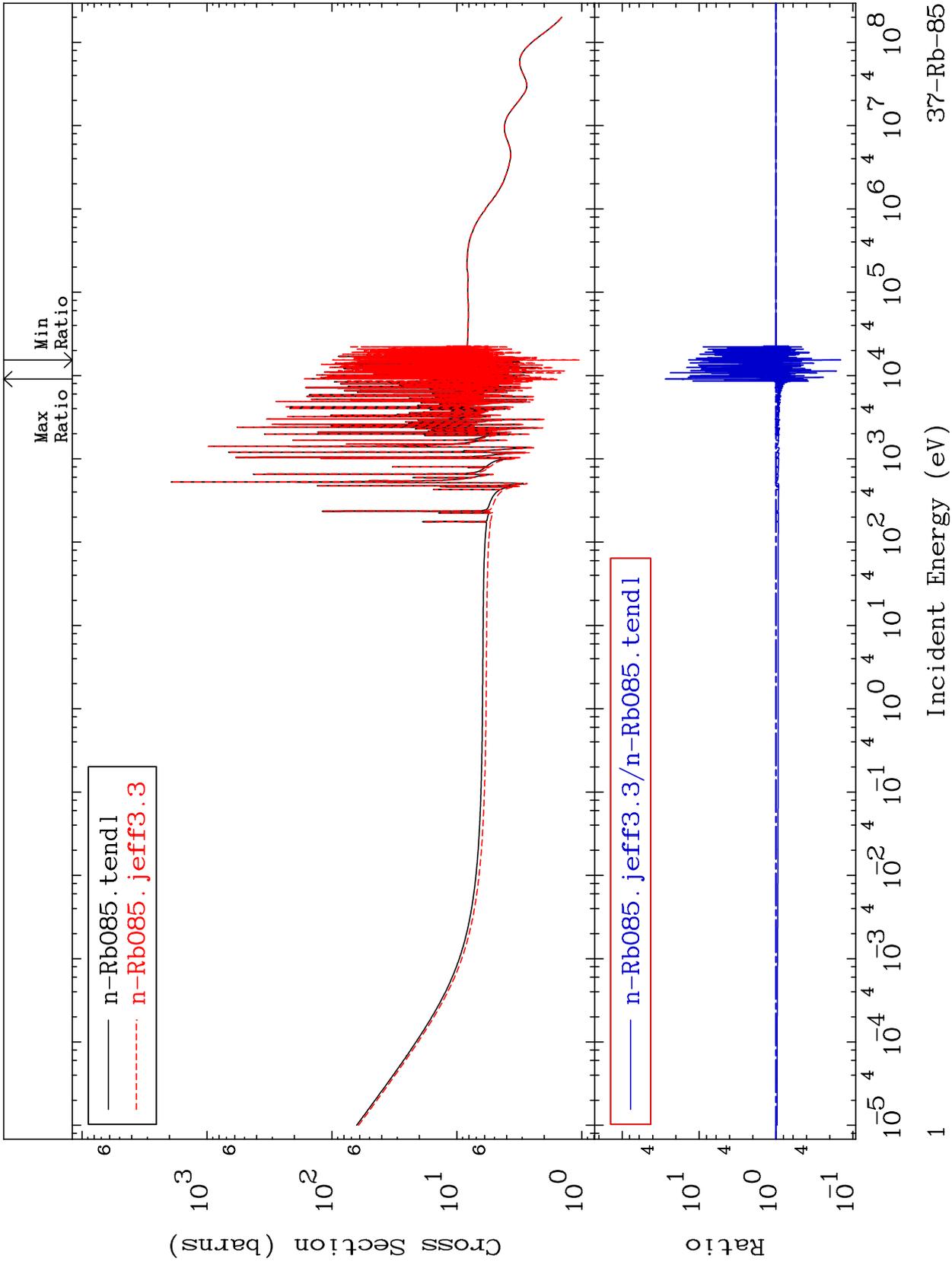


MAT 3725

Total
Cross Section

37-Rb-85
-85.66 To 2630. %

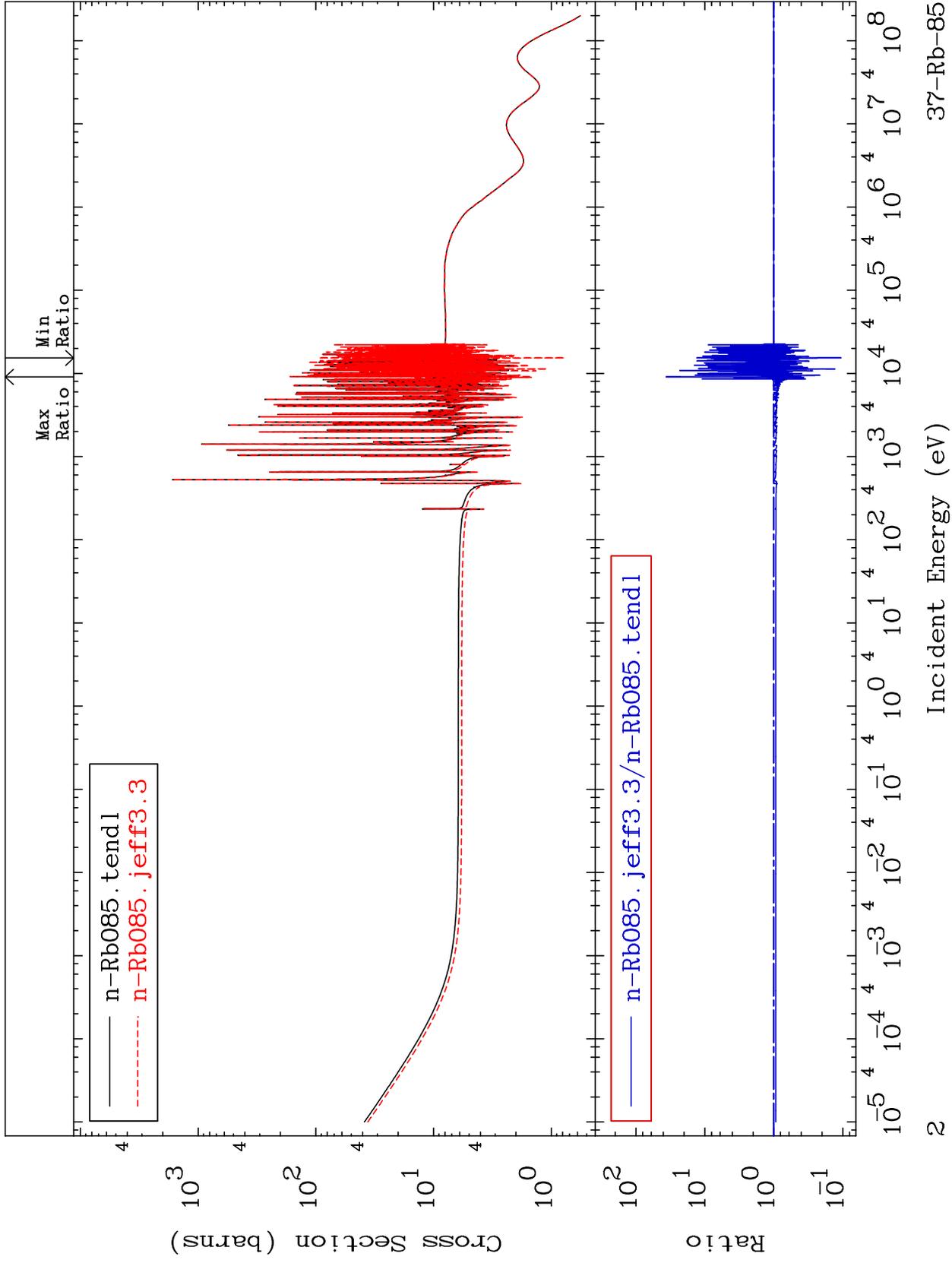


37-Rb-85

MAT 3725

Elastic
Cross Section

37-Rb-85
-89.39 To 3565. %



37-Rb-85

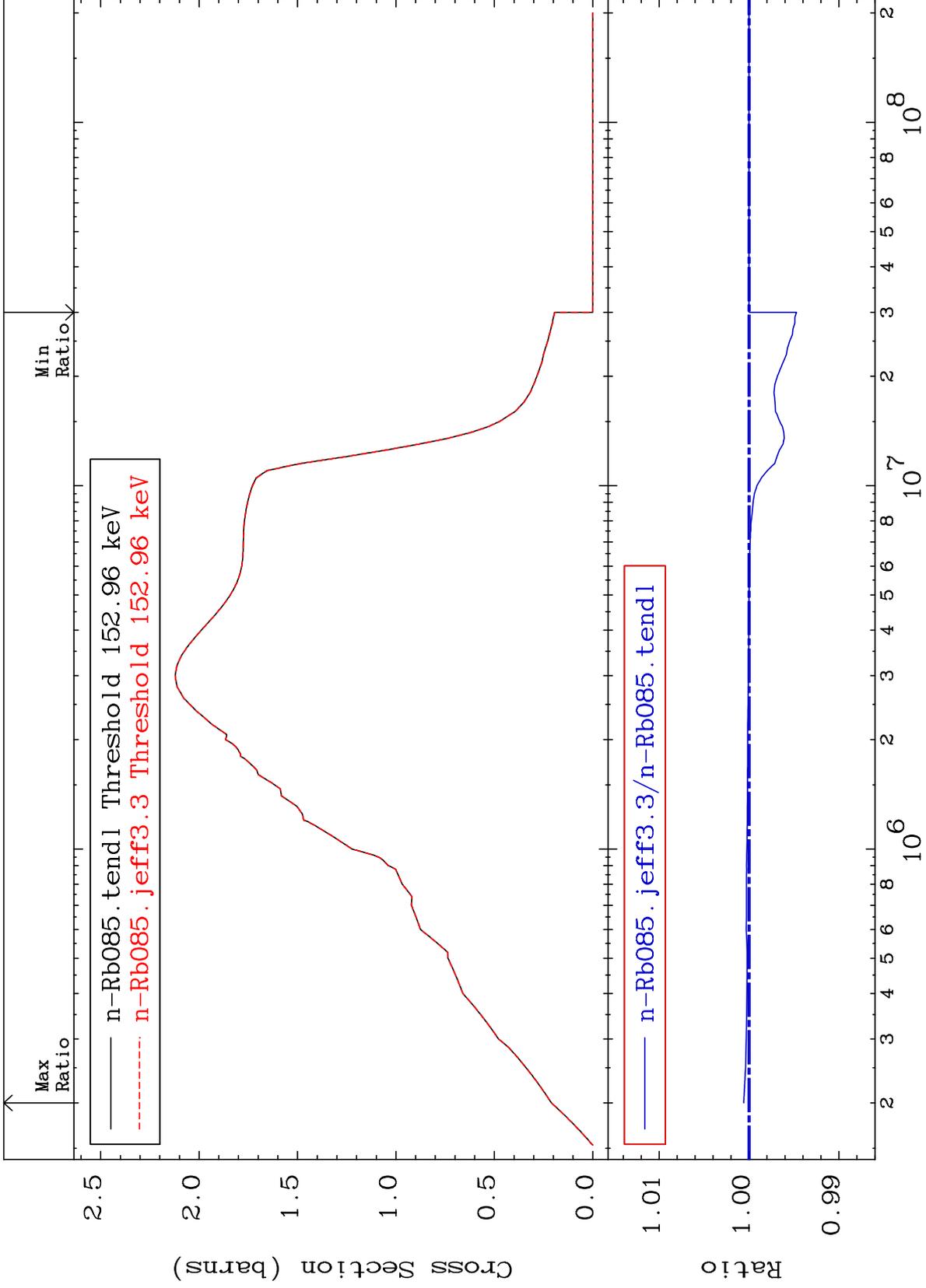
Incident Energy (eV)

2

MAT 3725

Inelastic
Cross Section

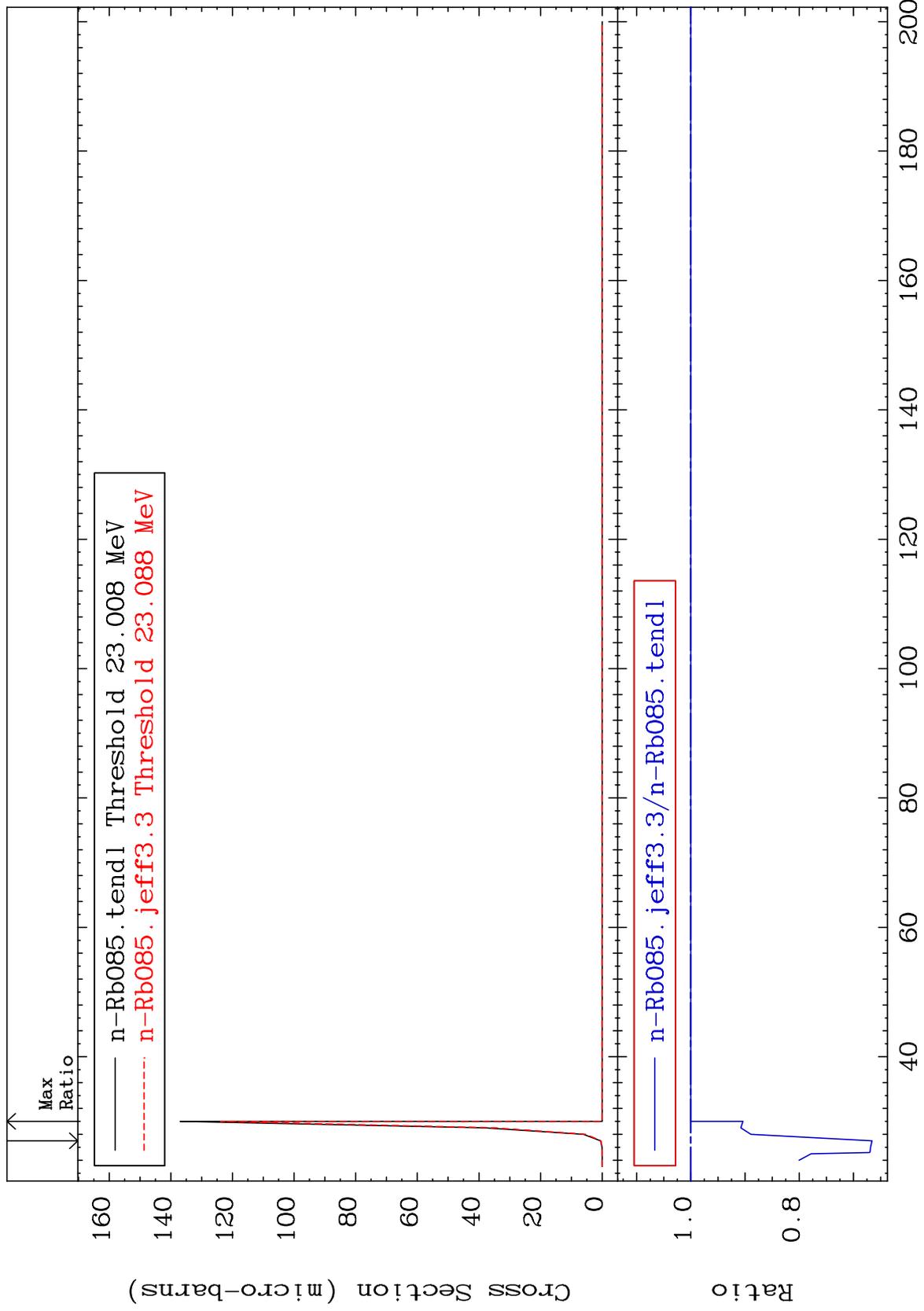
37-Rb-85
-0.529 To 0.059 %



MAT 3725

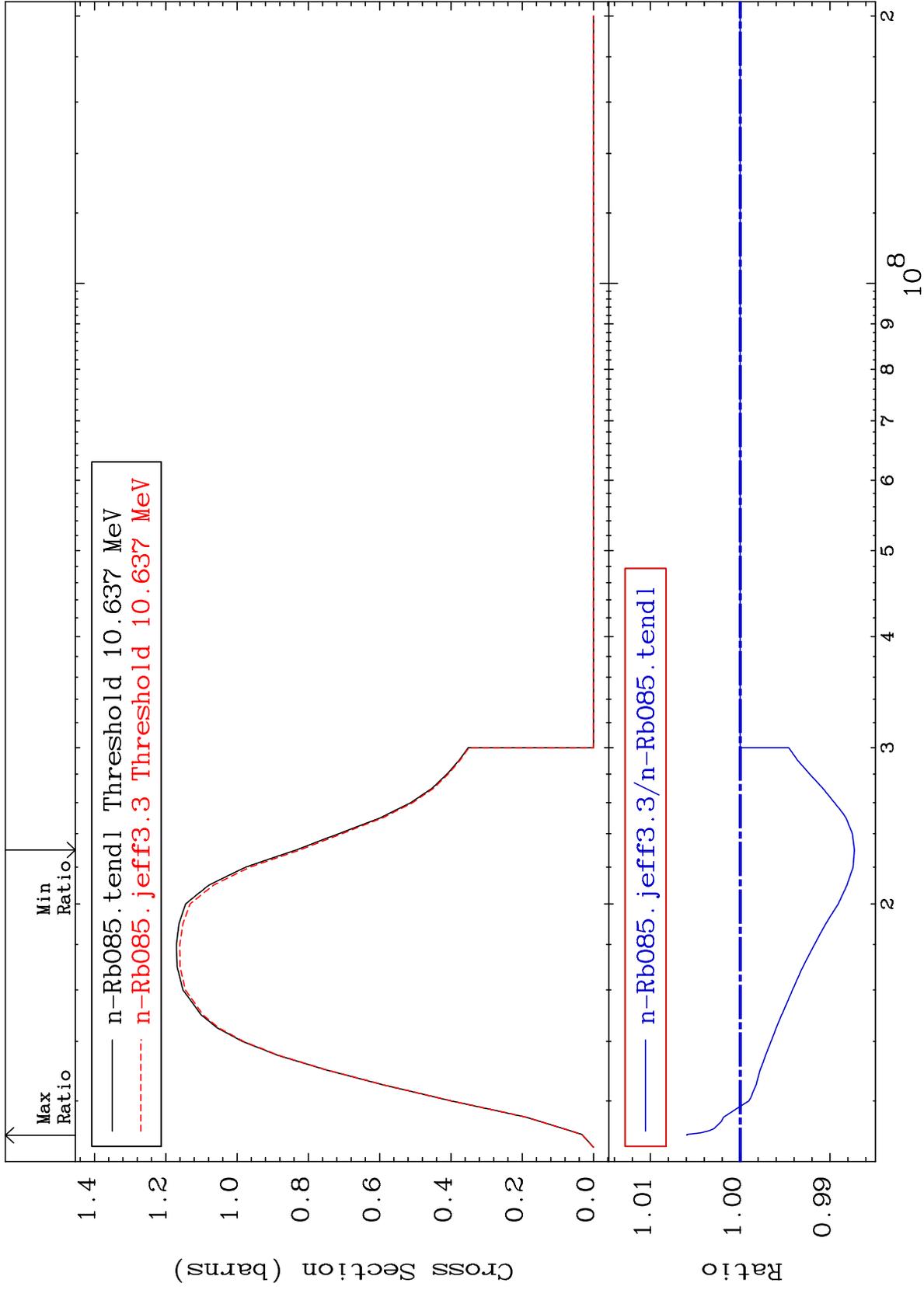
(n,2n) d
Cross Section

³⁷Rb-85
-33.42 To 0.000 %



Cross Section

-1.271 To 0.592 %



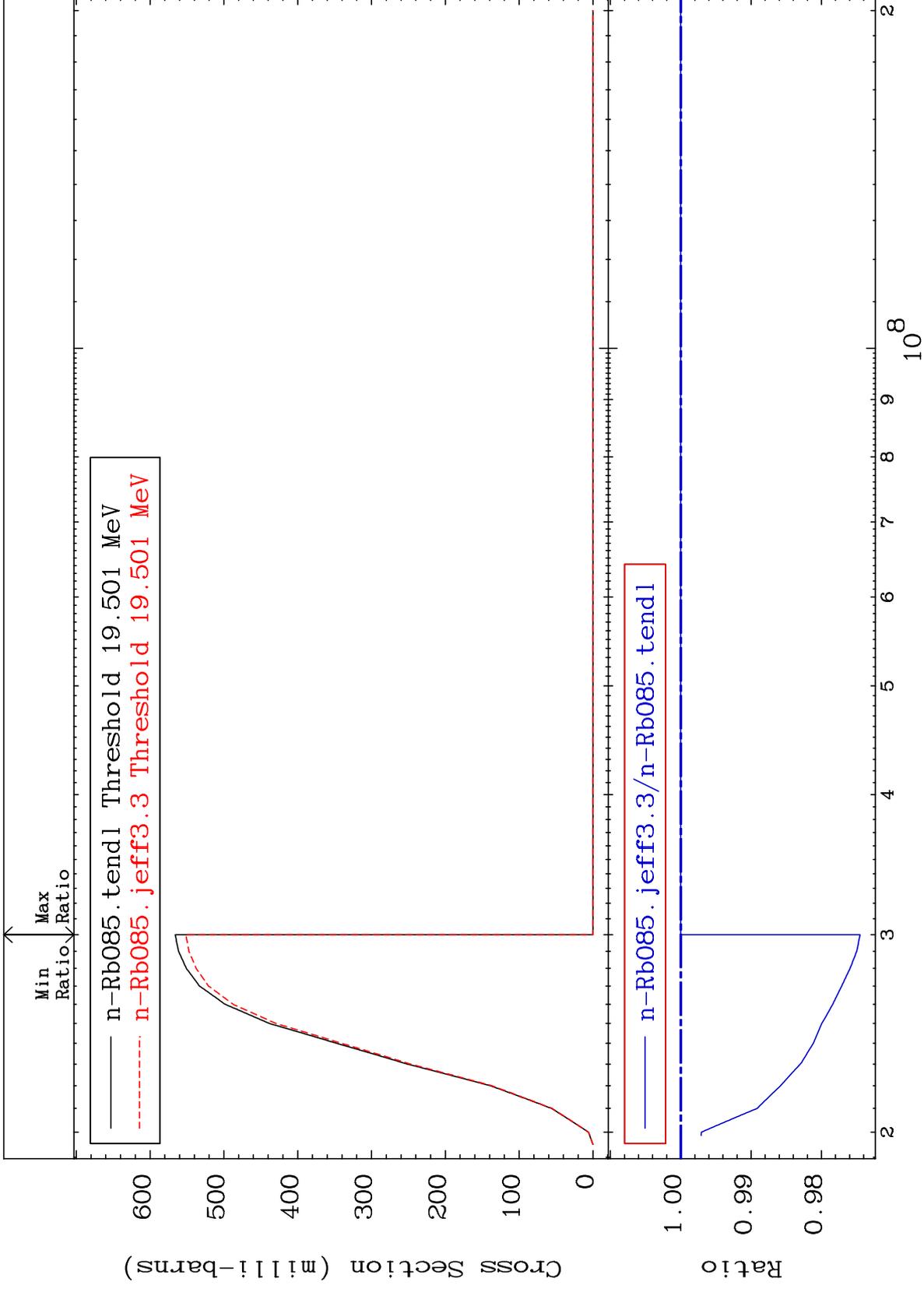
MAT 3725

(n,3n)

37-Rb-85

Cross Section

-2.549 To 0.000 %



6

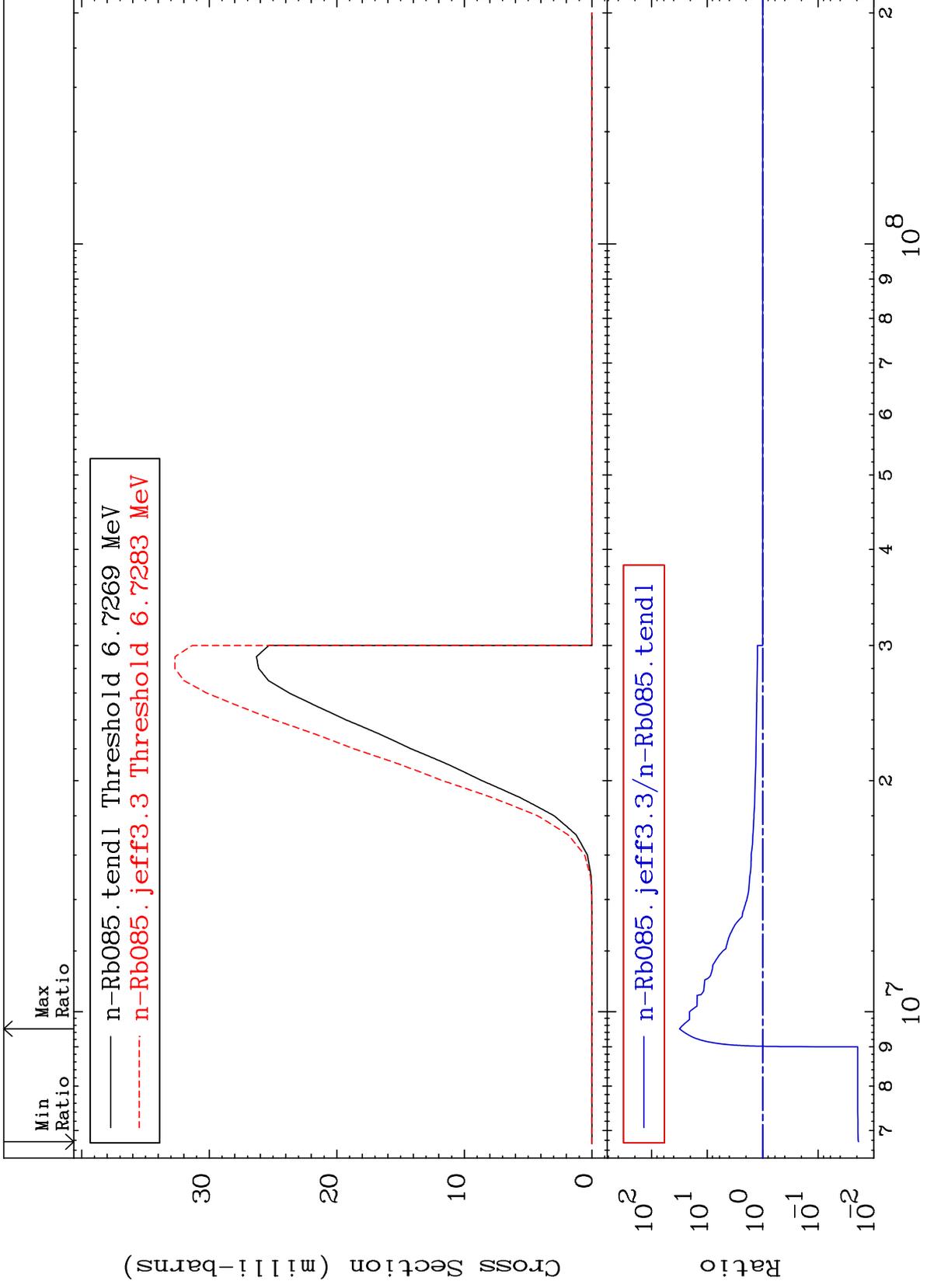
Incident Energy (eV)

37-Rb-85

MAT 3725

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

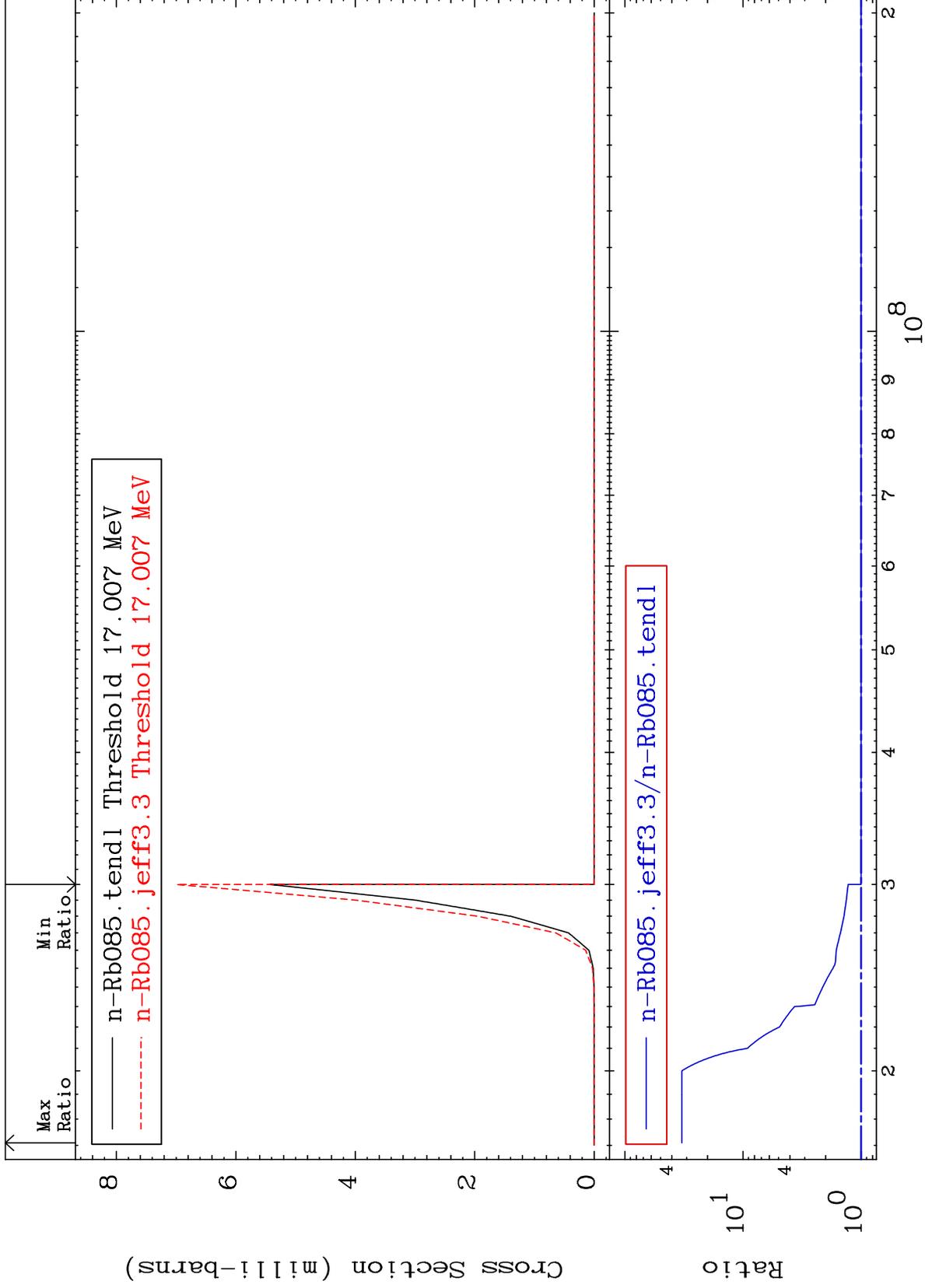
37-Rb-85
-98.13 To 3042. %



MAT 3725

(n,2n) α
Cross Section

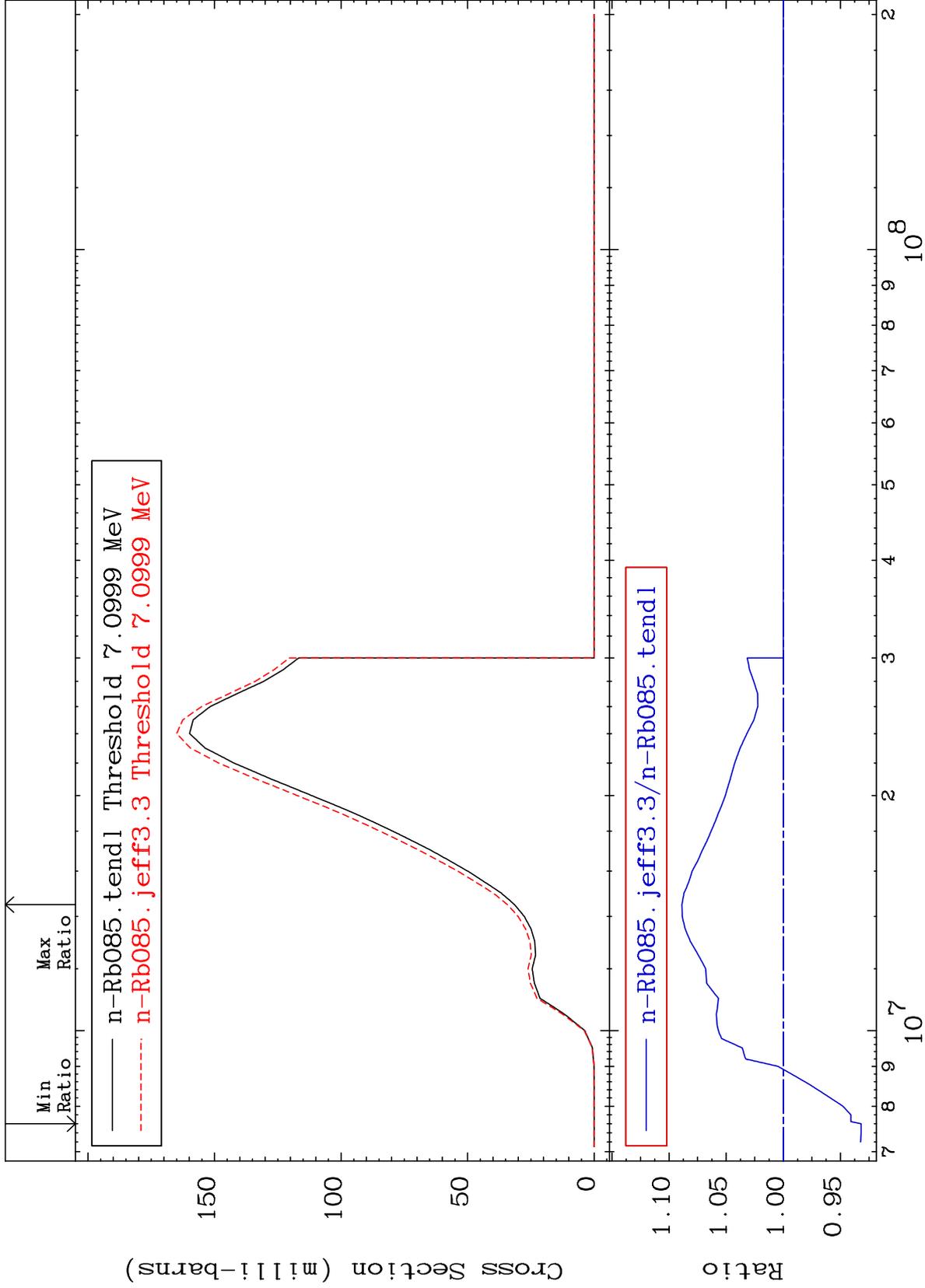
37-Rb-85
To 3193. %
0.000



MAT 3725

(n,n') p
Cross Section

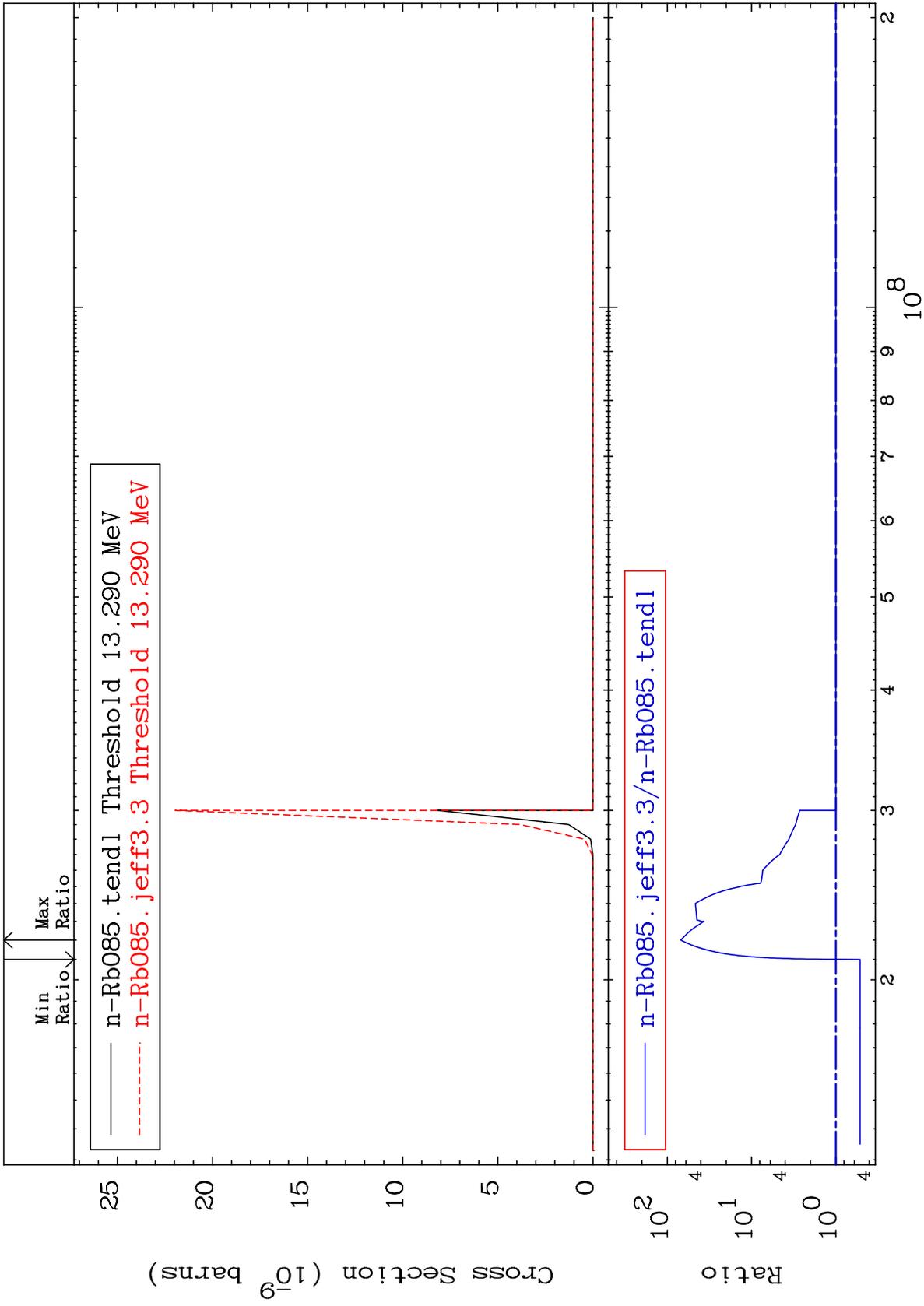
37-Rb-85
-6.811 To 8.874 %



MAT 3725

(n, n') 2α
Cross Section

37-Rb-85
-48.47 To 6820. %



10

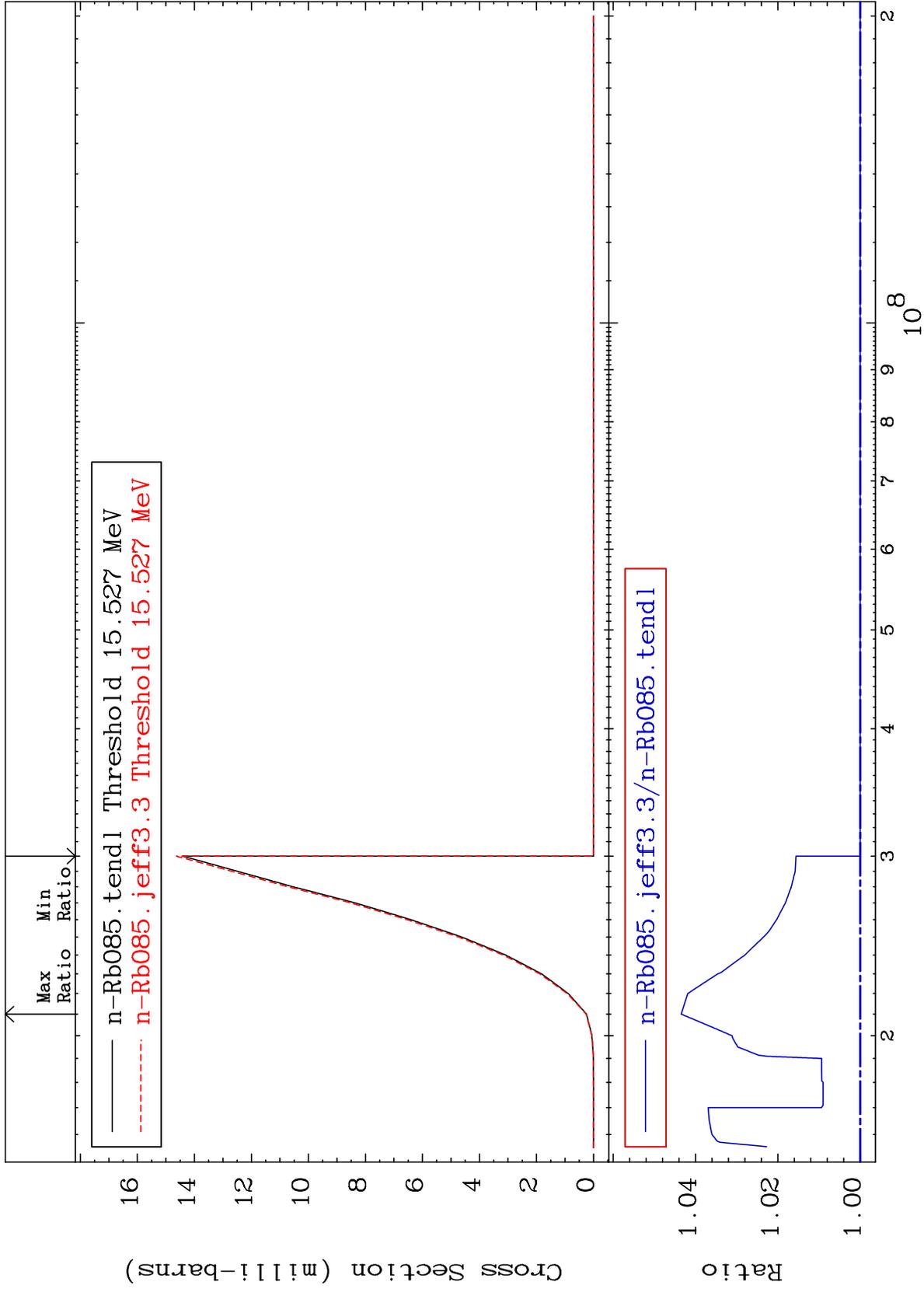
Incident Energy (eV)

37-Rb-85

Cross Section

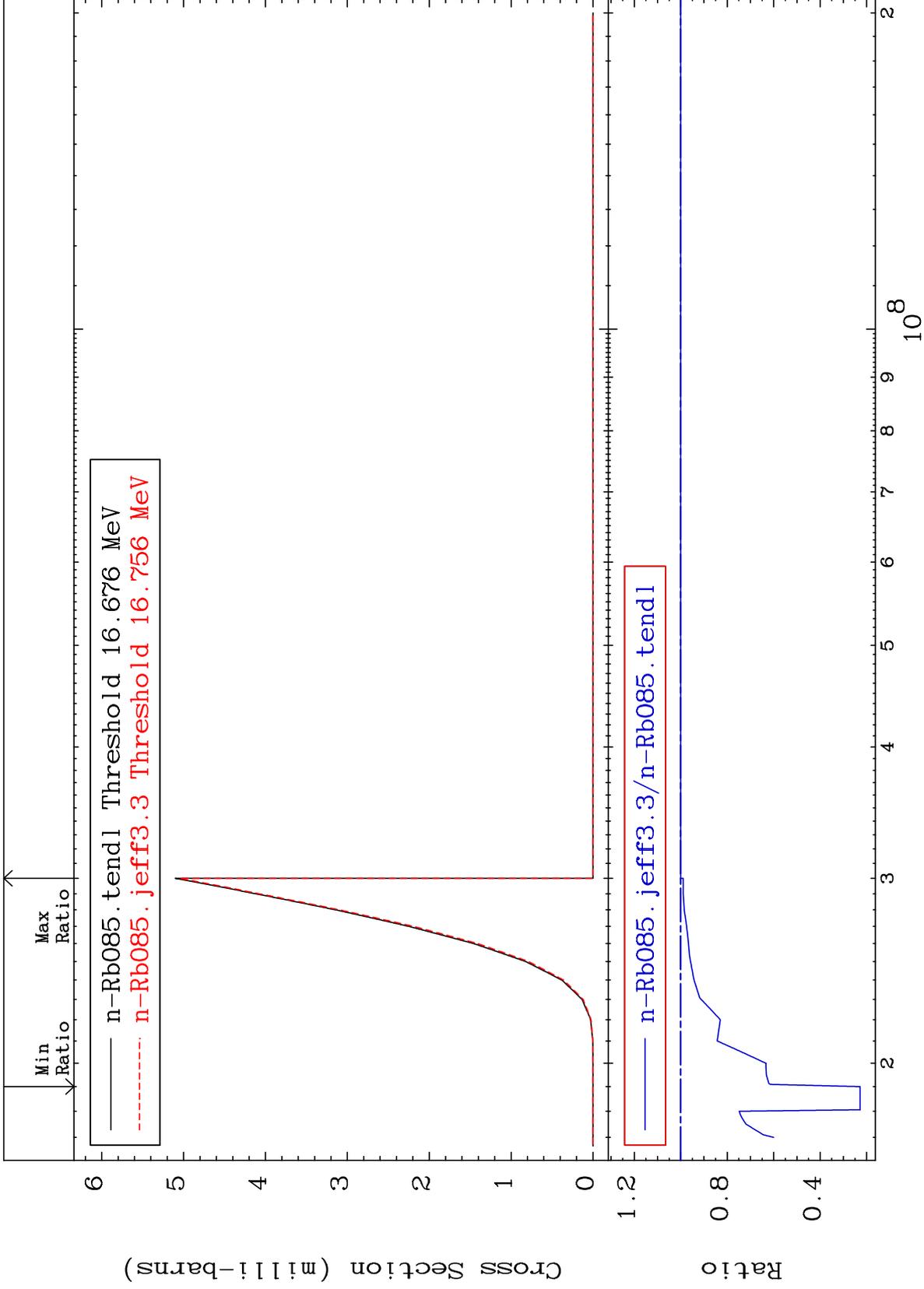
0.000

To 4.347 %



Cross Section

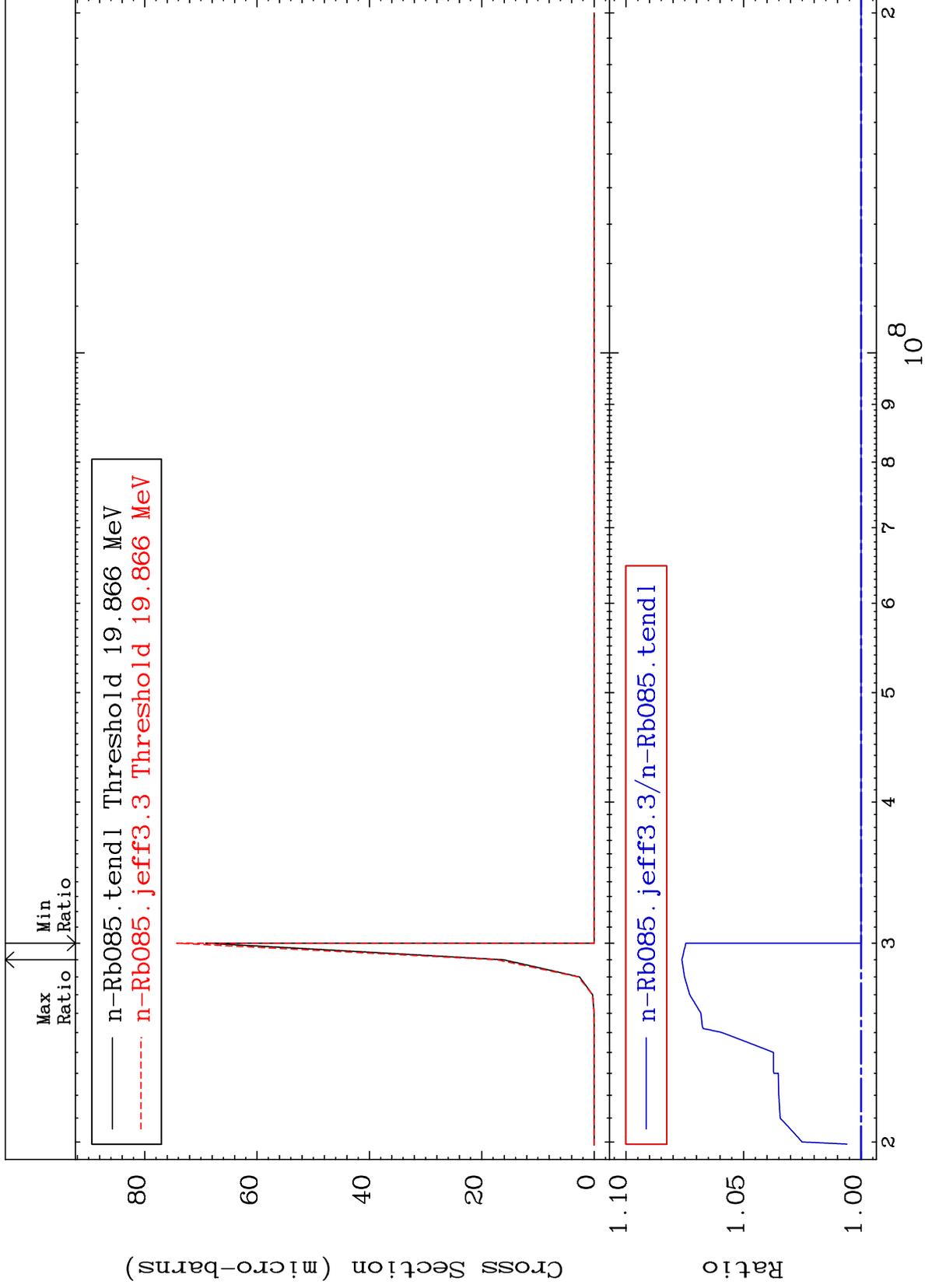
-77.19 To 0.000 %

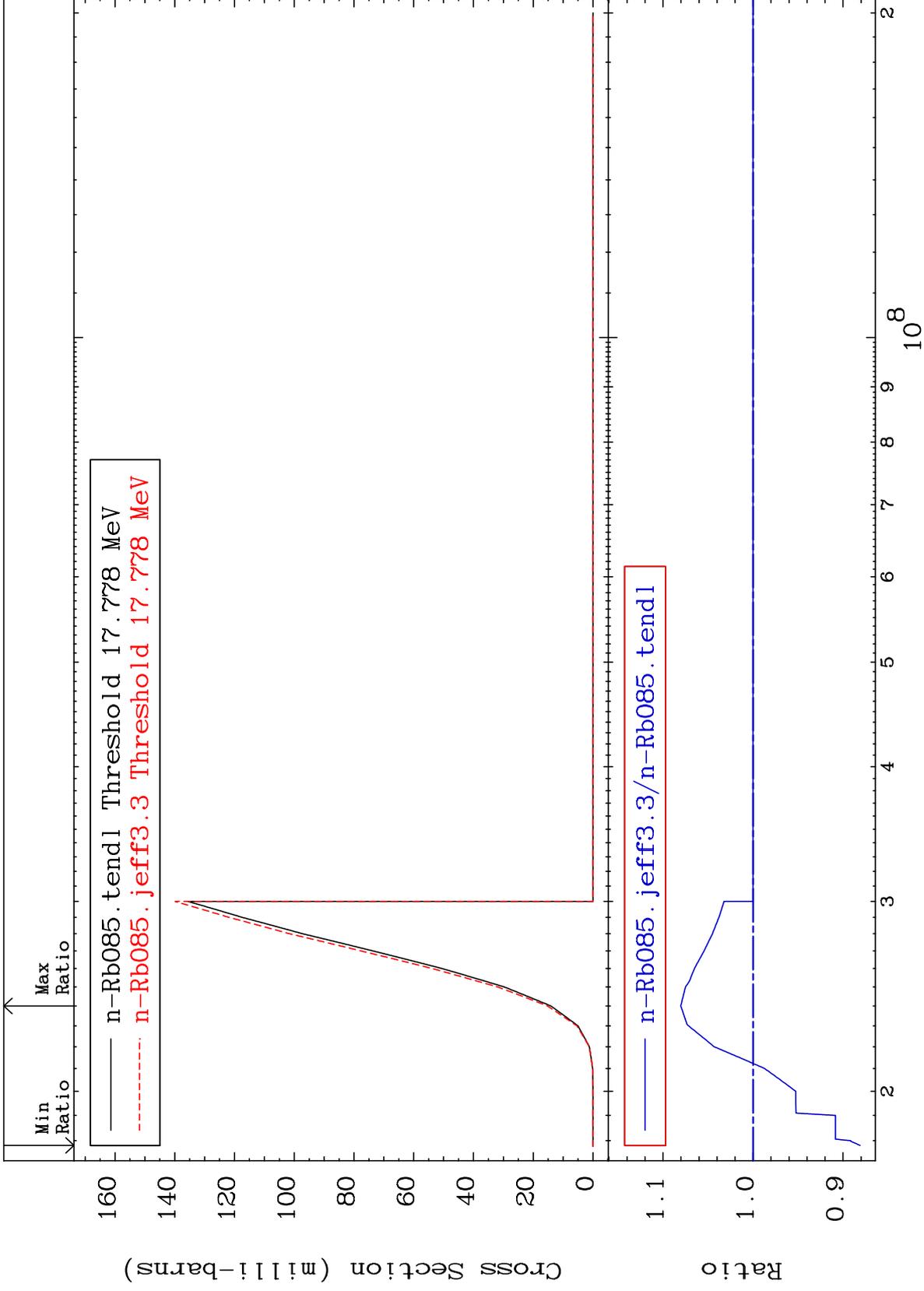


MAT 3725

(n, n') He-3
Cross Section

37-Rb-85
0.000 To 7.622 %

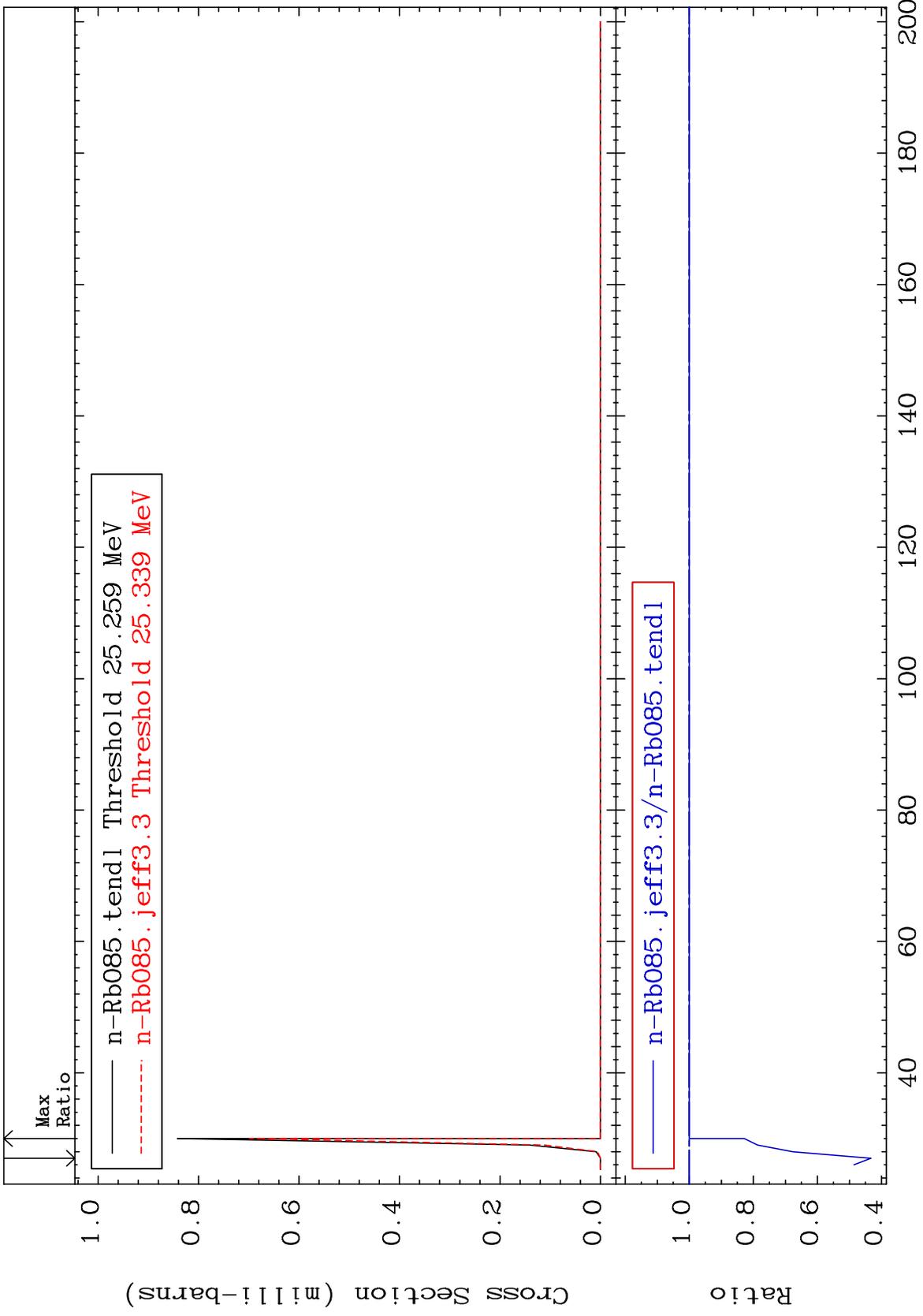




MAT 3725

(n,3n) p
Cross Section

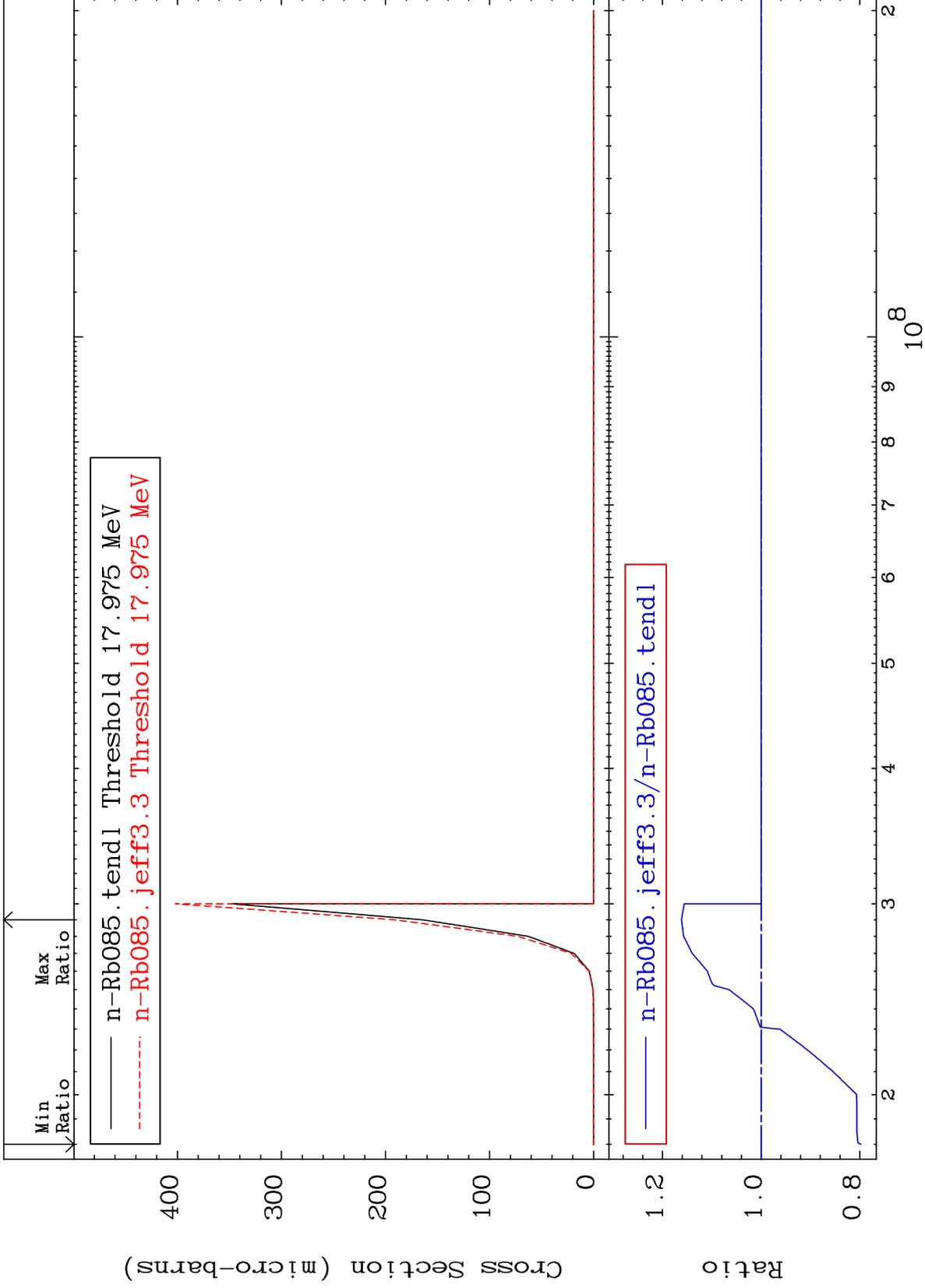
37-Rb-85
-56.70 To 0.000 %



MAT 3725

(n,2n) p
Cross Section

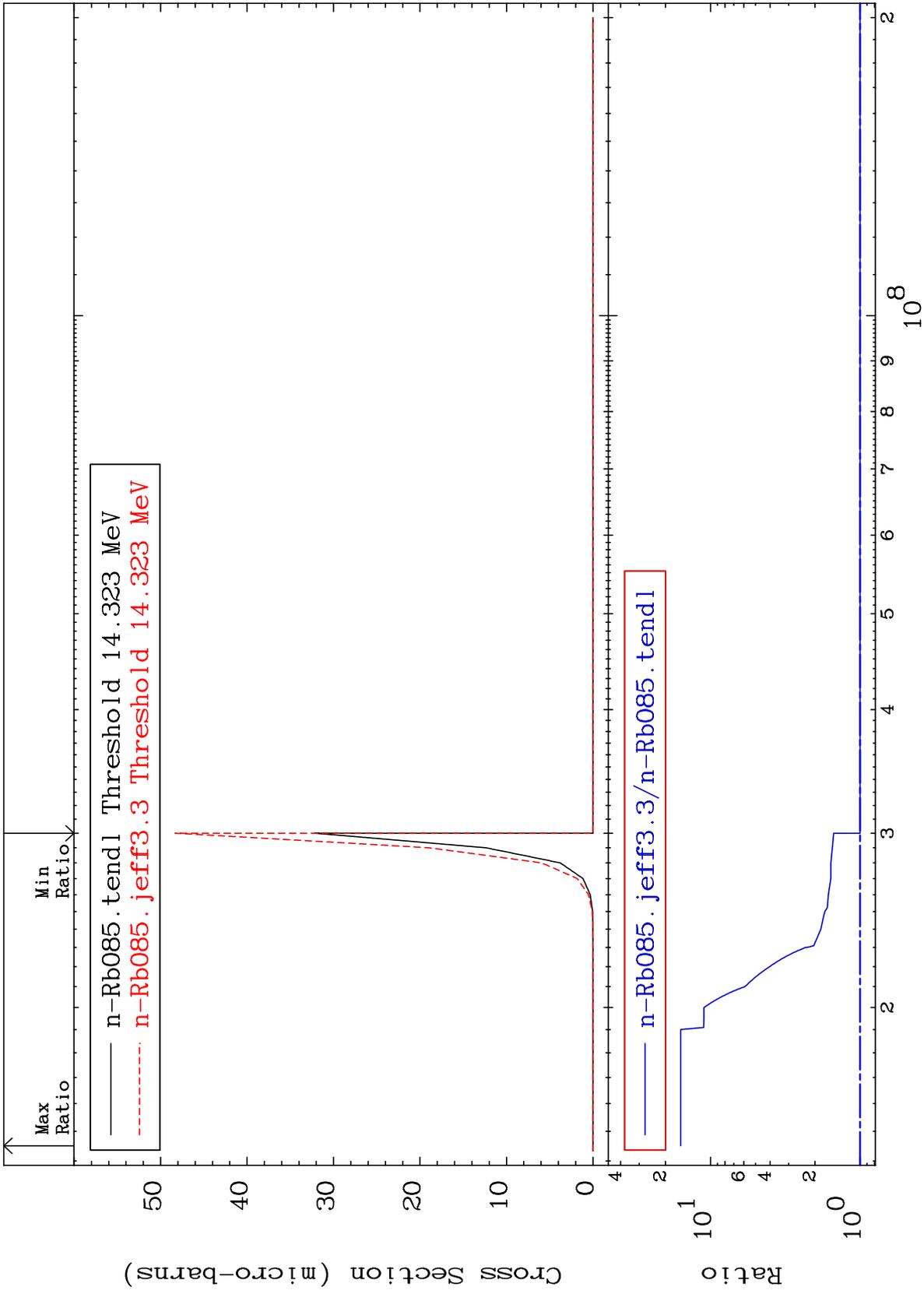
³⁷Rb-85
-20.26 To 16.15 %



MAT 3725

(n,n') p α
Cross Section

37-Rb-85
0.000 To 1482. %



17

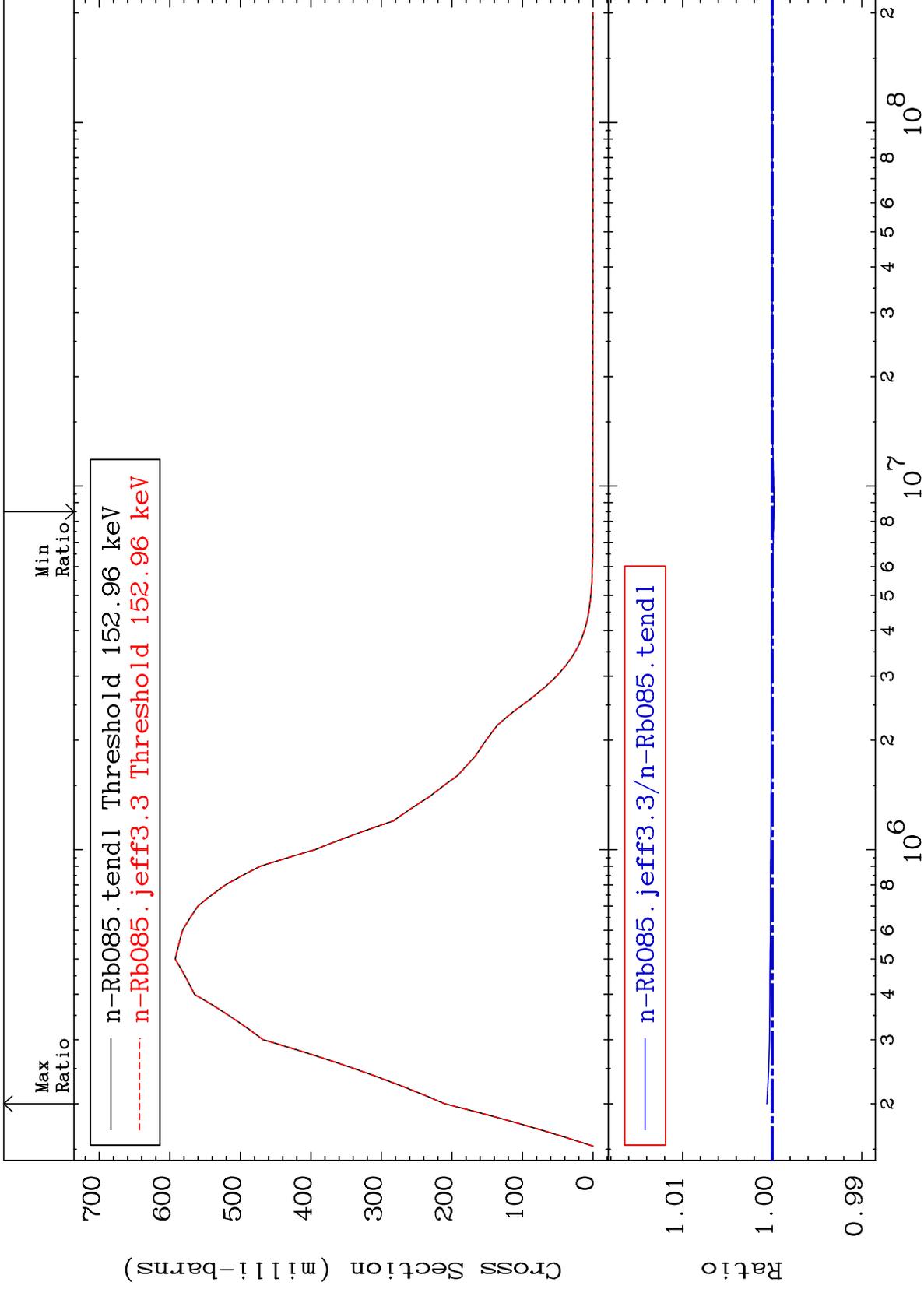
Incident Energy (eV)

37-Rb-85

MAT 3725

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

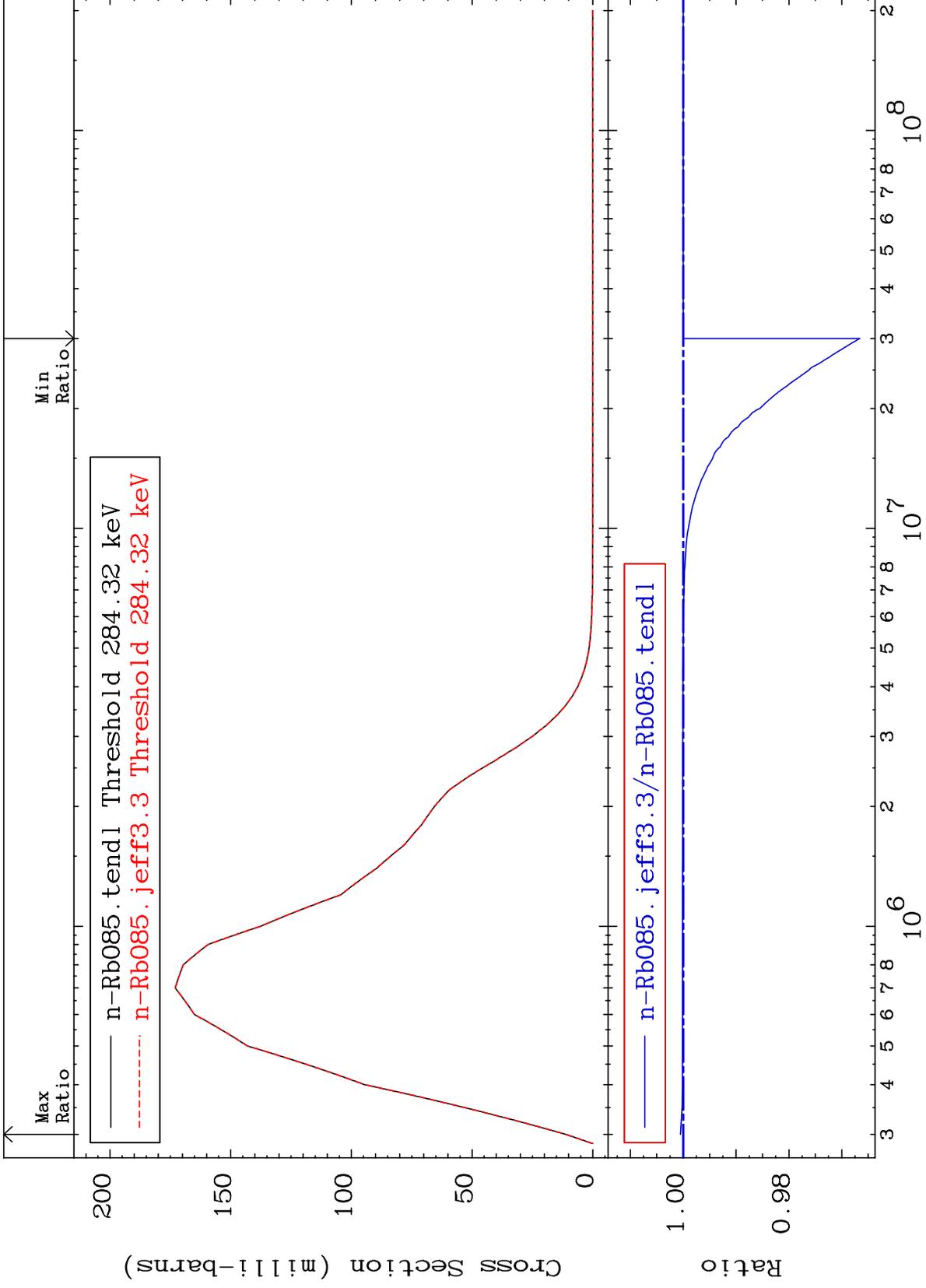
37-Rb-85
-0.021 To 0.059 %



MAT 3725

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

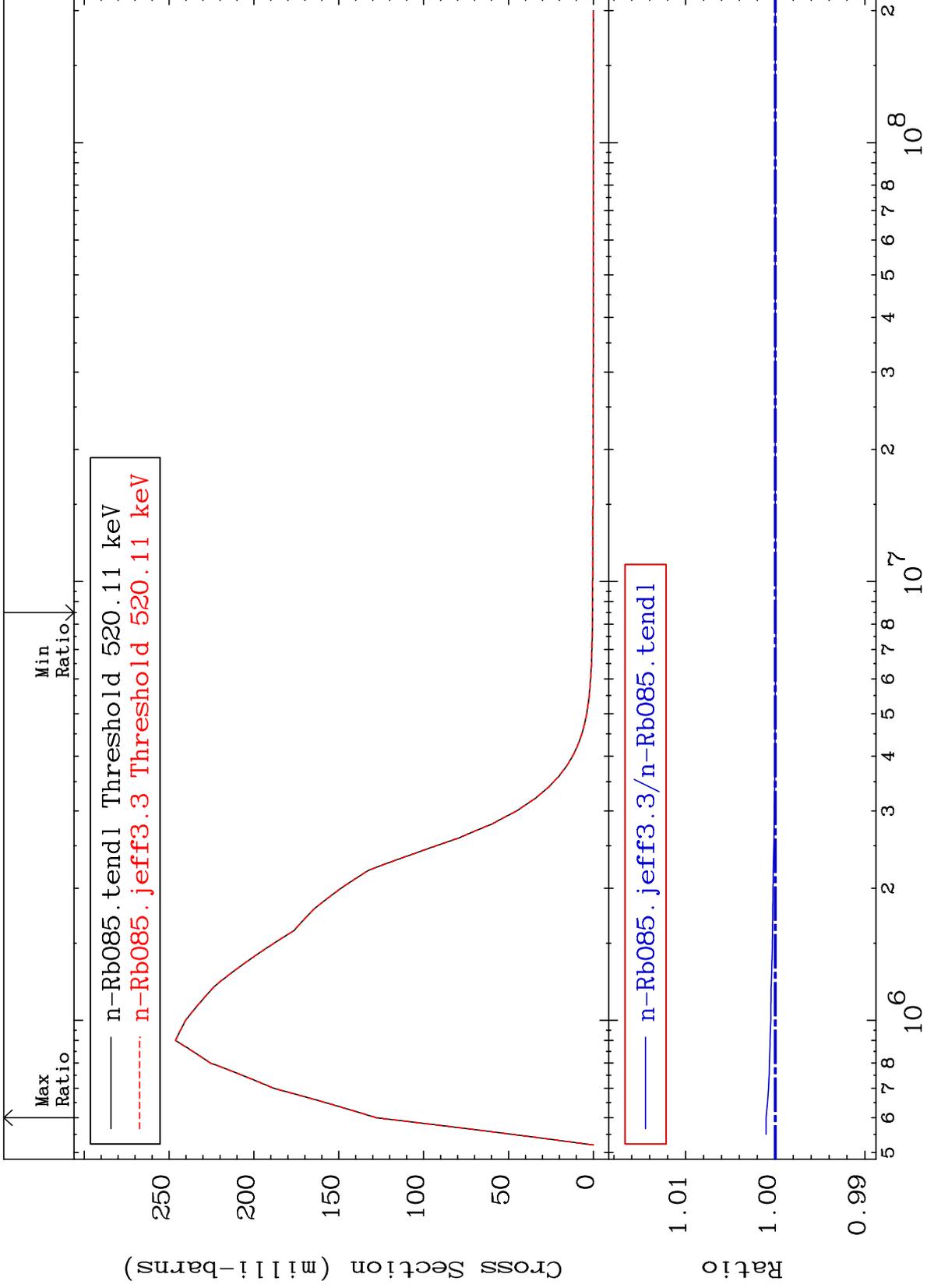
37-Rb-85
-3.341 To 0.051 %



MAT 3725

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

37-Rb-85
-0.008 To 0.103 %



20

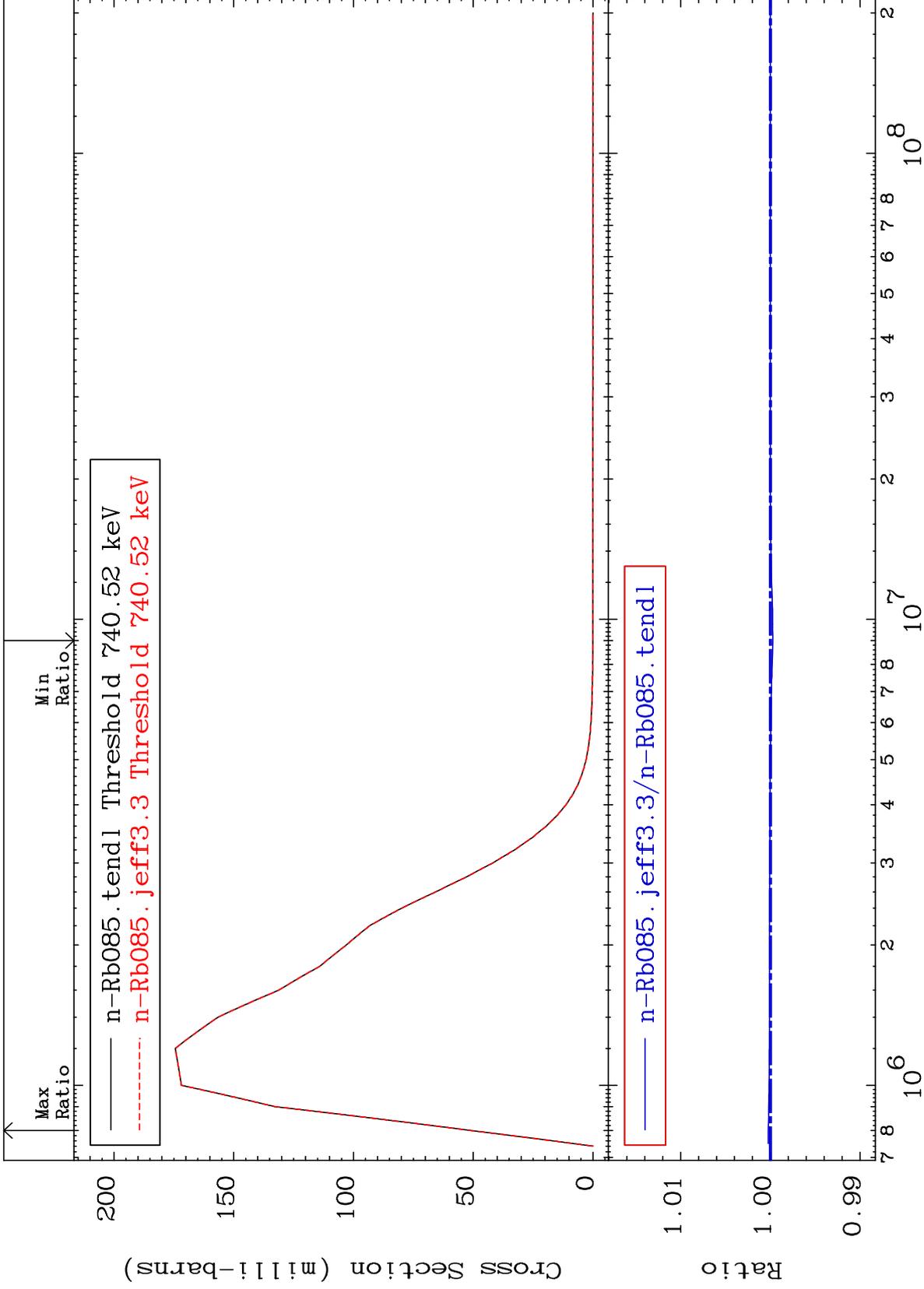
37-Rb-85

37-Rb-85

MAT 3725

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

37-Rb-85
-0.026 To 0.025 %



21

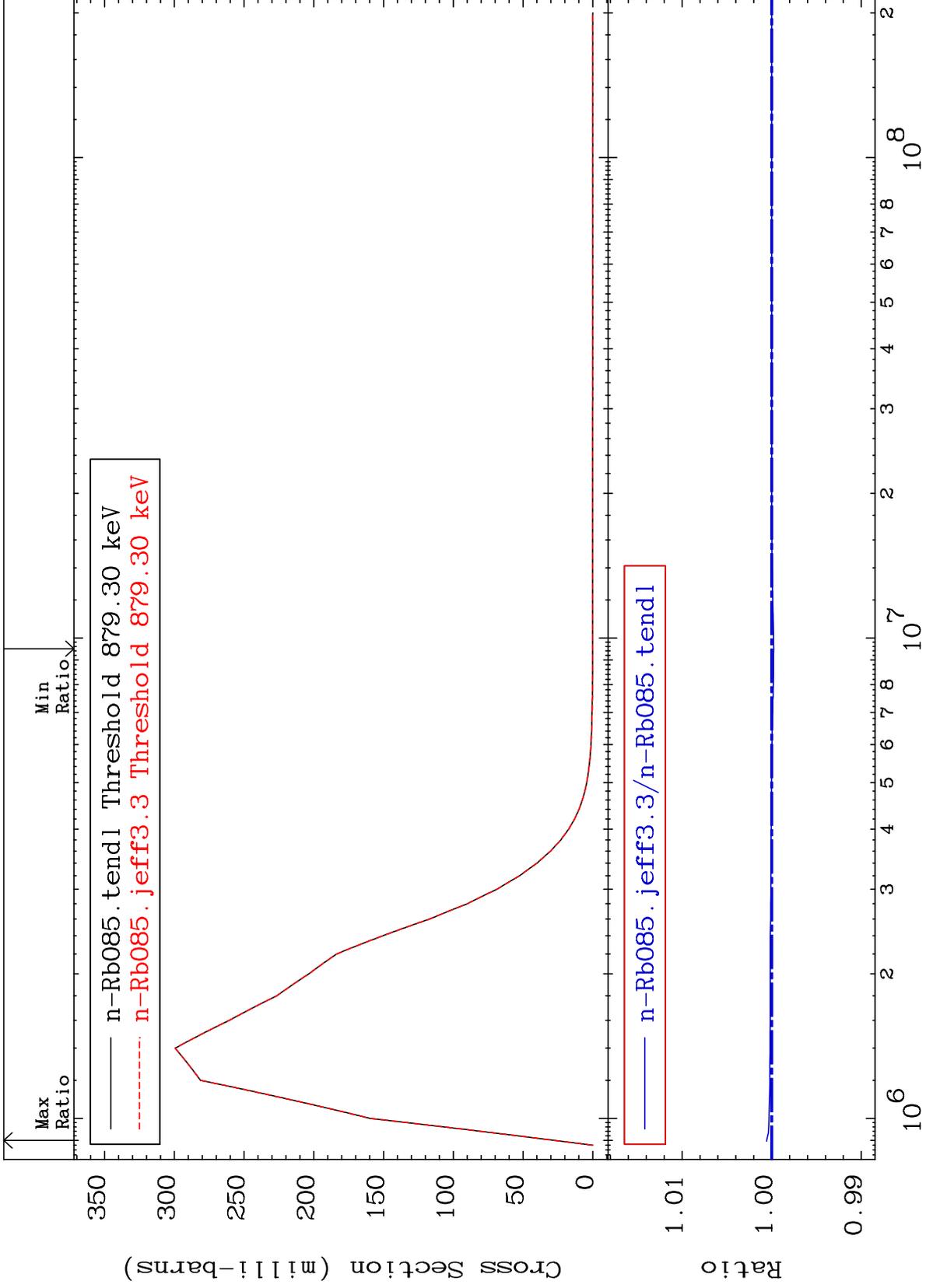
Incident Energy (eV)

37-Rb-85

MAT 3725

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

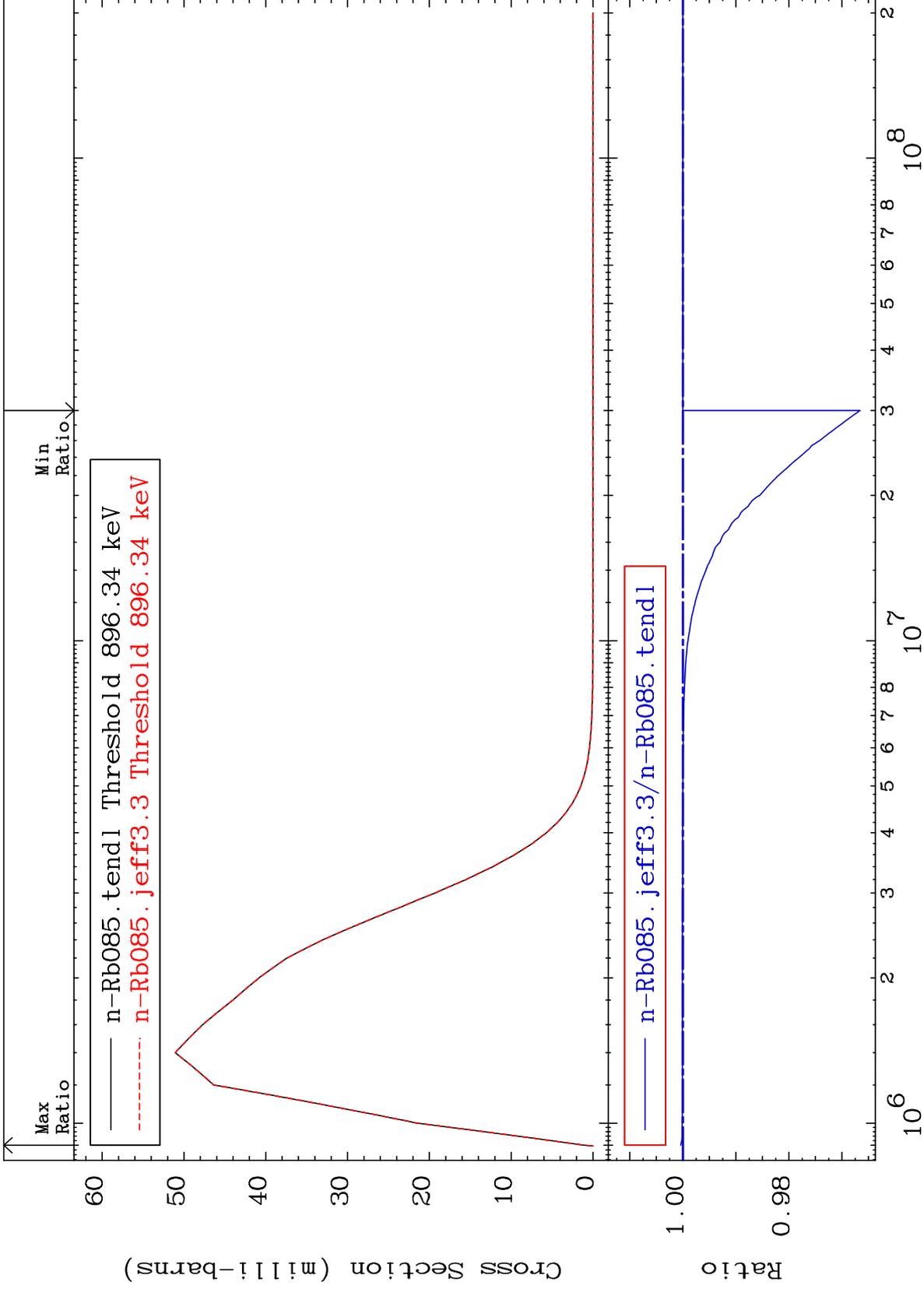
37-Rb-85
-0.022 To 0.057 %



MAT 3725

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

37-Rb-85
-3.341 To 0.039 %



23

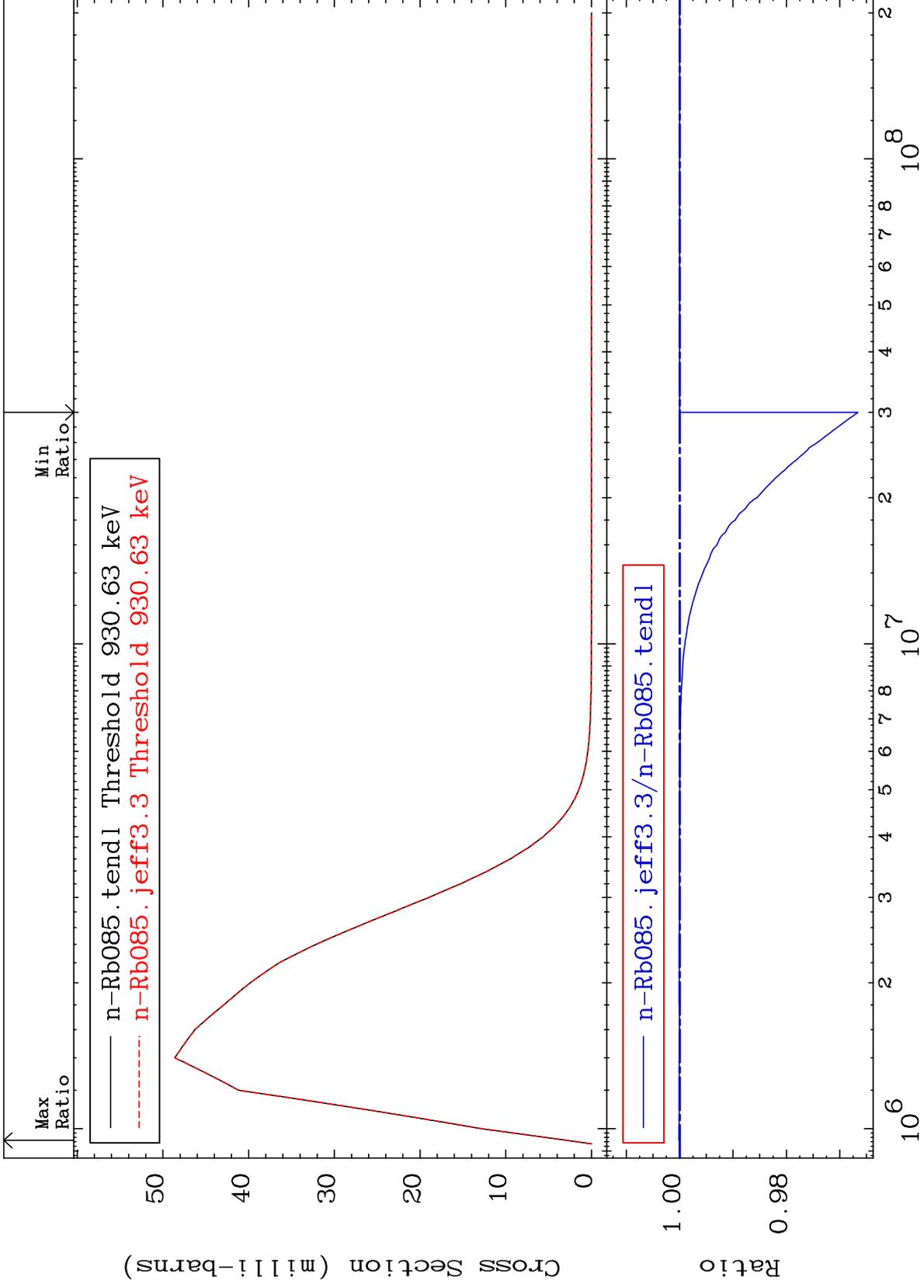
Incident Energy (eV)

37-Rb-85

MAT 3725

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

37-Rb-85
-3.341 To 0.012 %



24

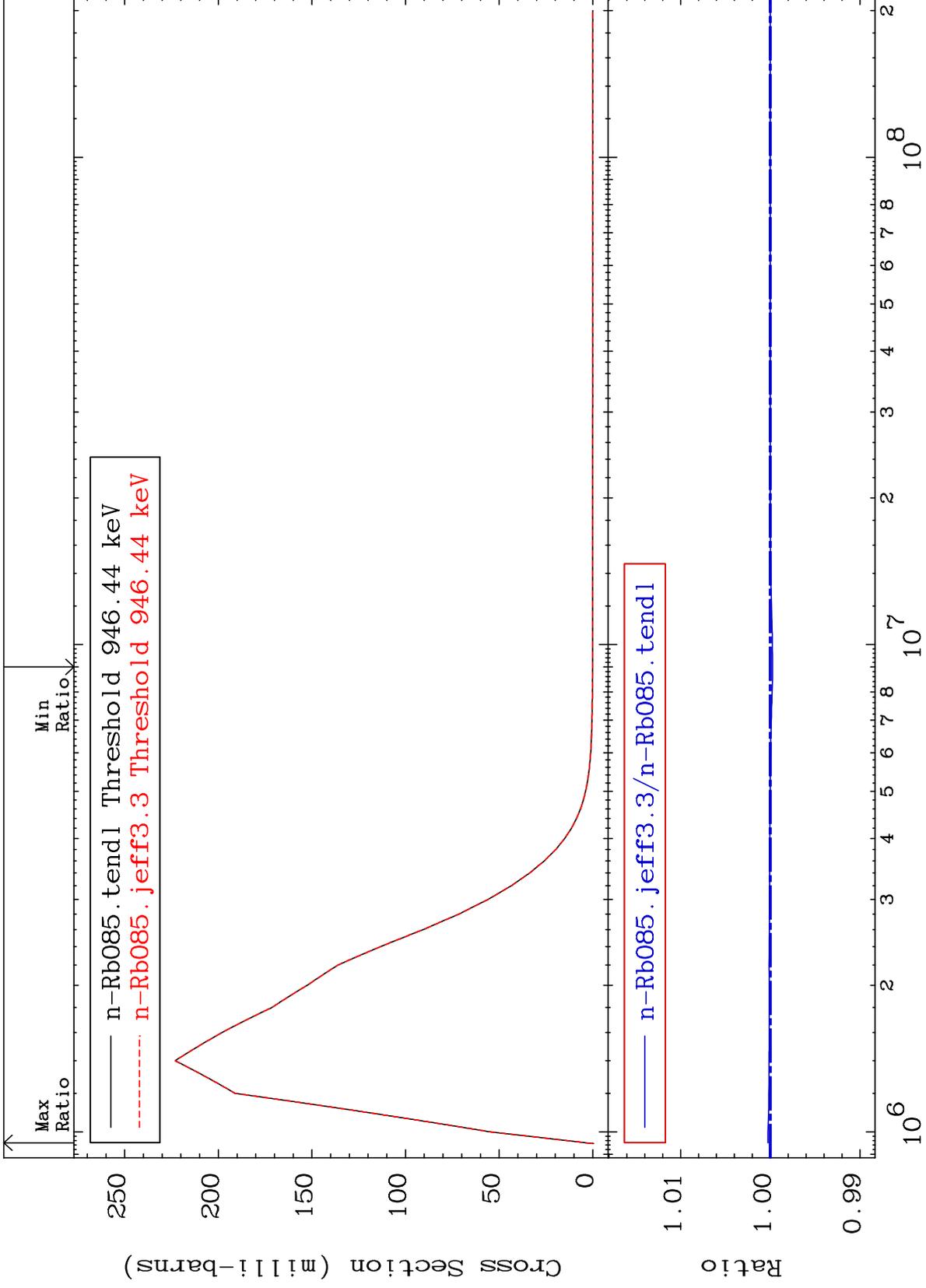
Incident Energy (eV)

37-Rb-85

MAT 3725

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

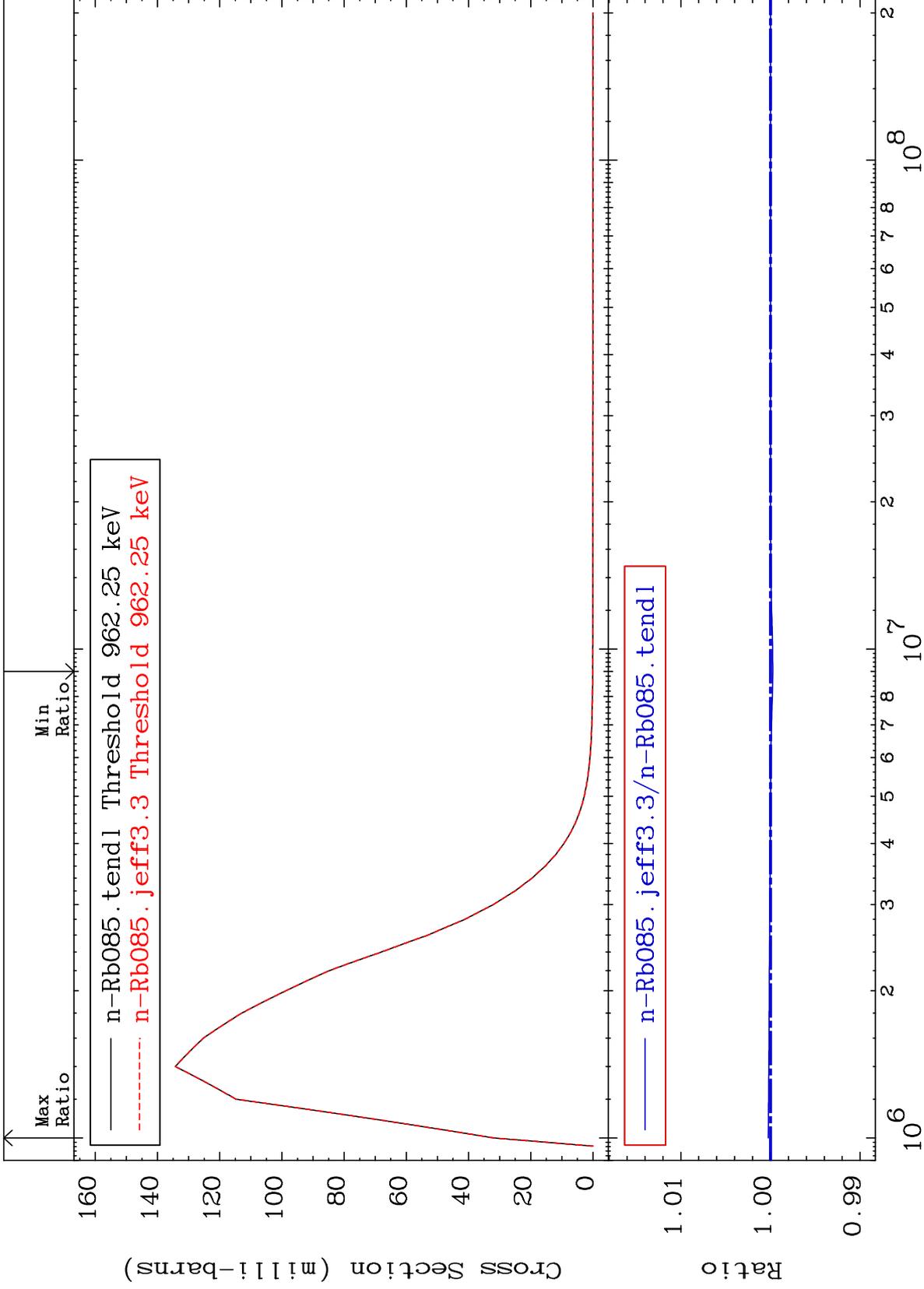
37-Rb-85
-0.025 To 0.027 %



MAT 3725

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

37-Rb-85
-0.025 To 0.026 %



26

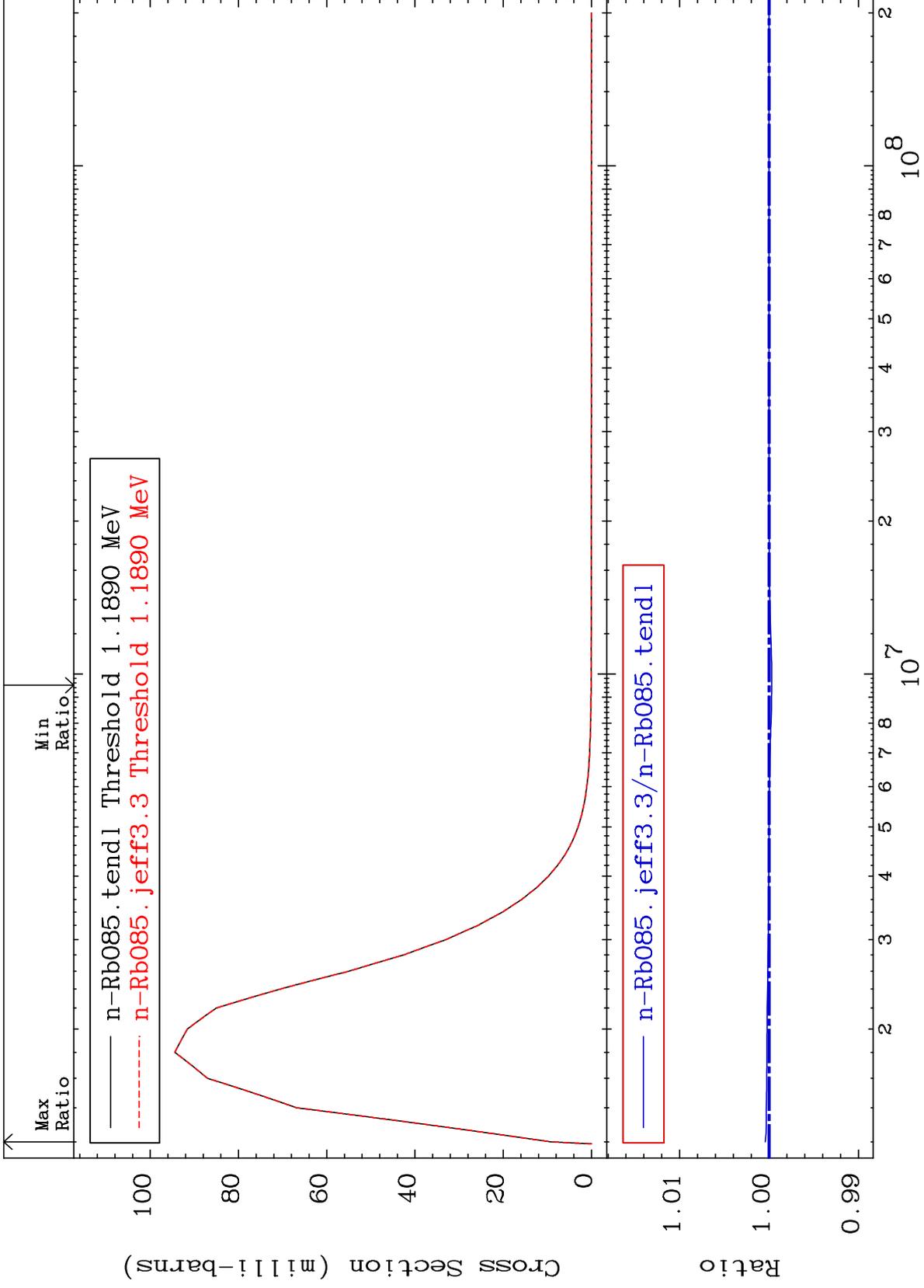
Incident Energy (eV)

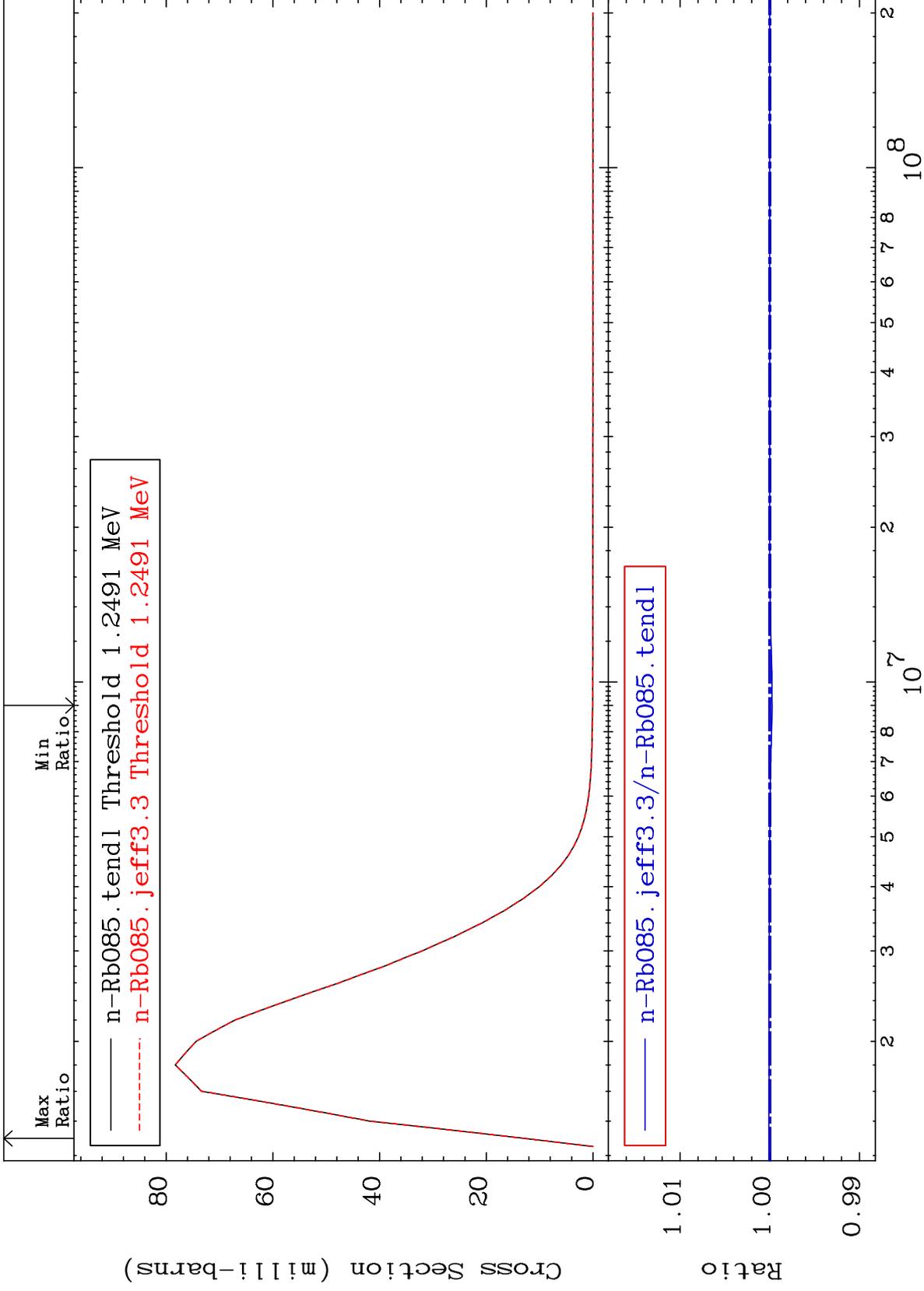
37-Rb-85

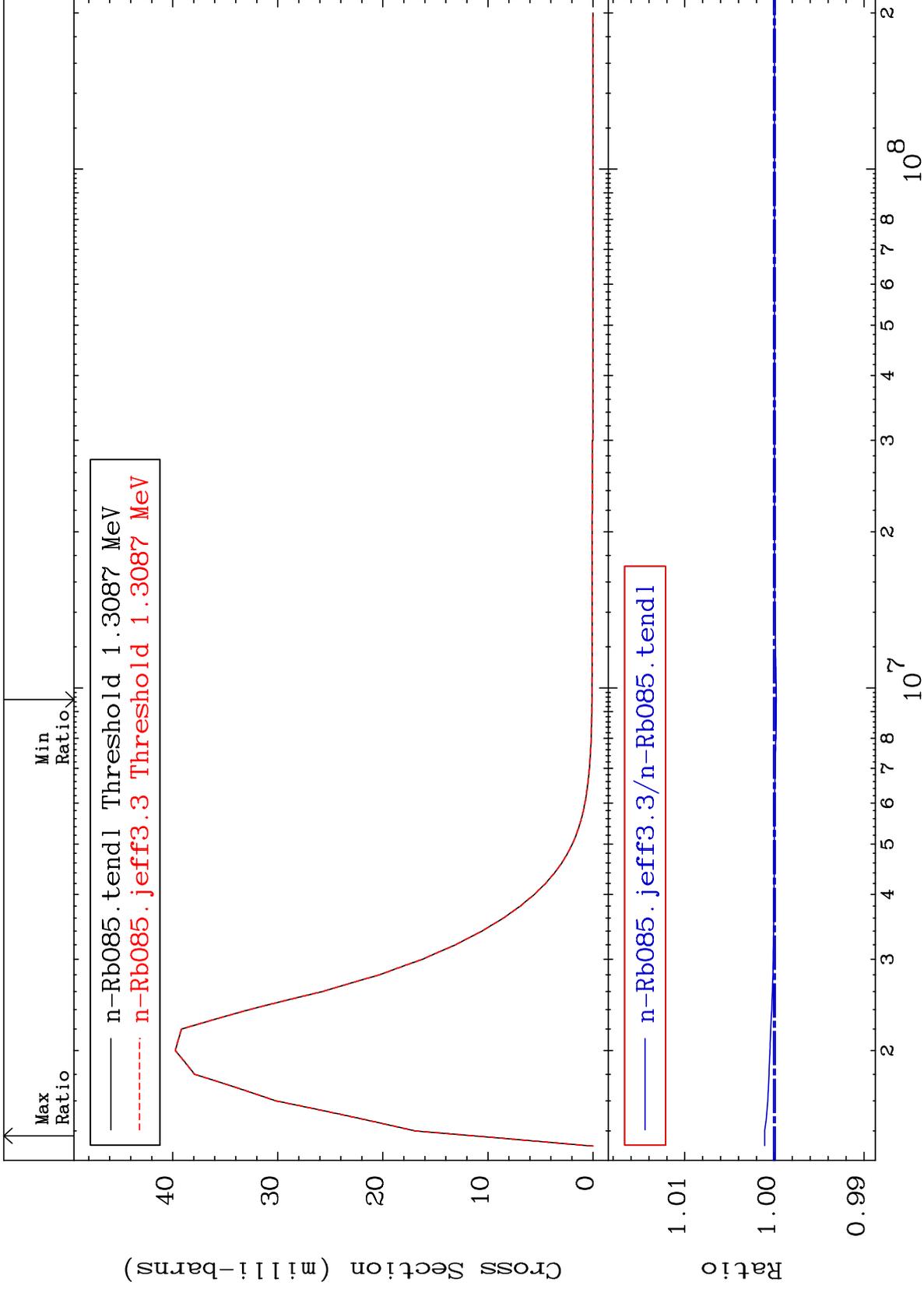
MAT 3725

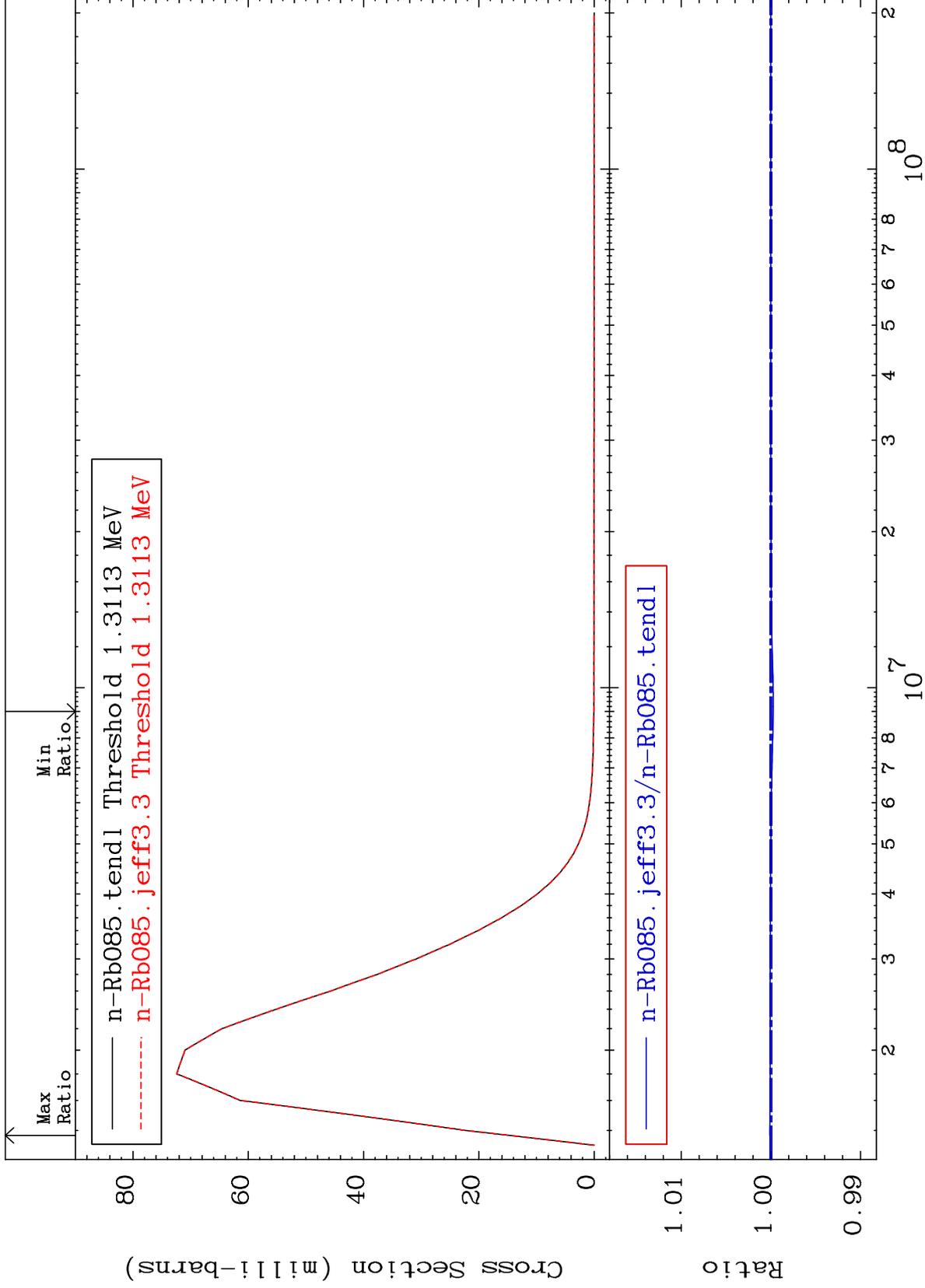
MT= 60 (n,n') Level
Cross Section

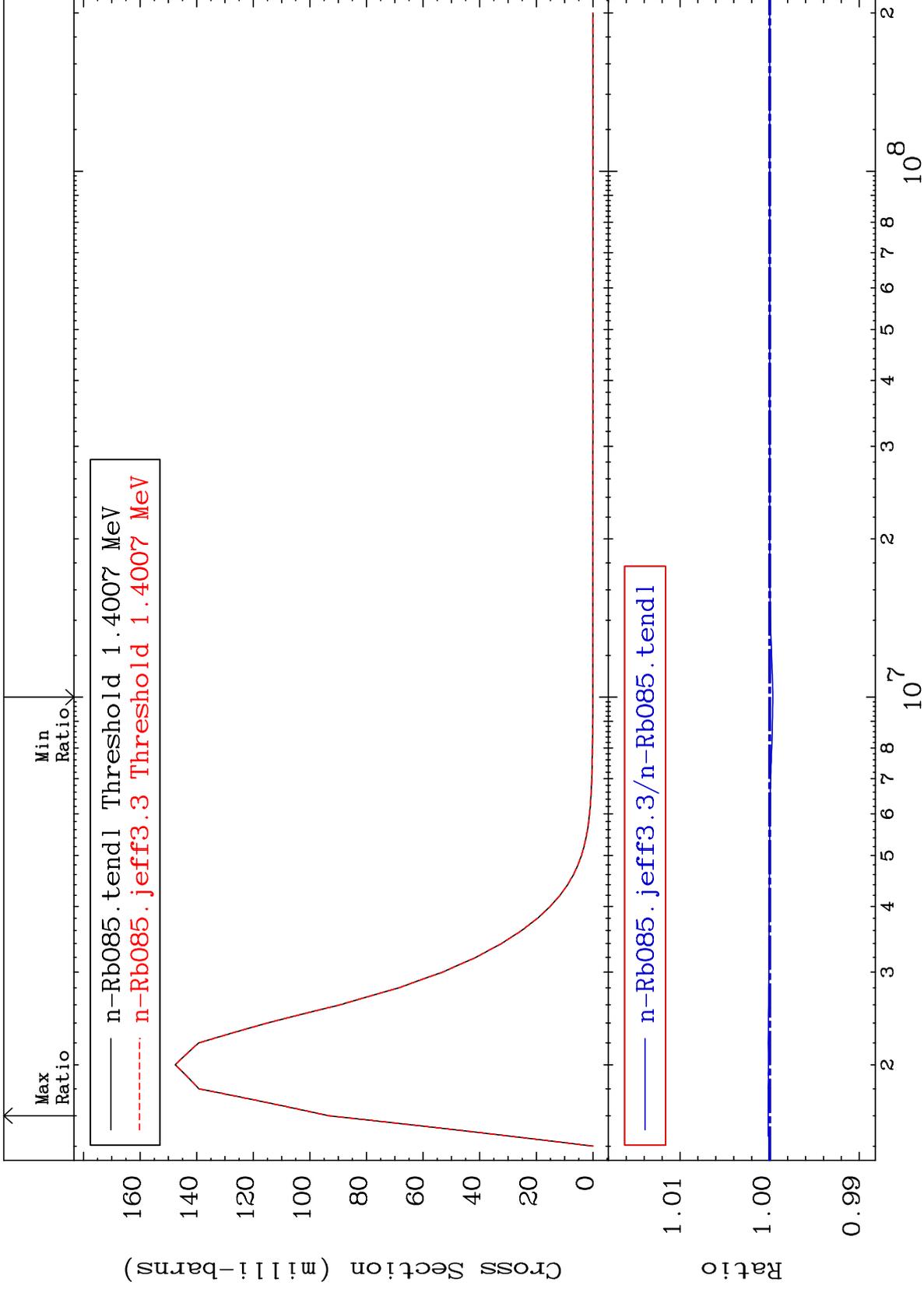
37-Rb-85
-0.030 To 0.043 %

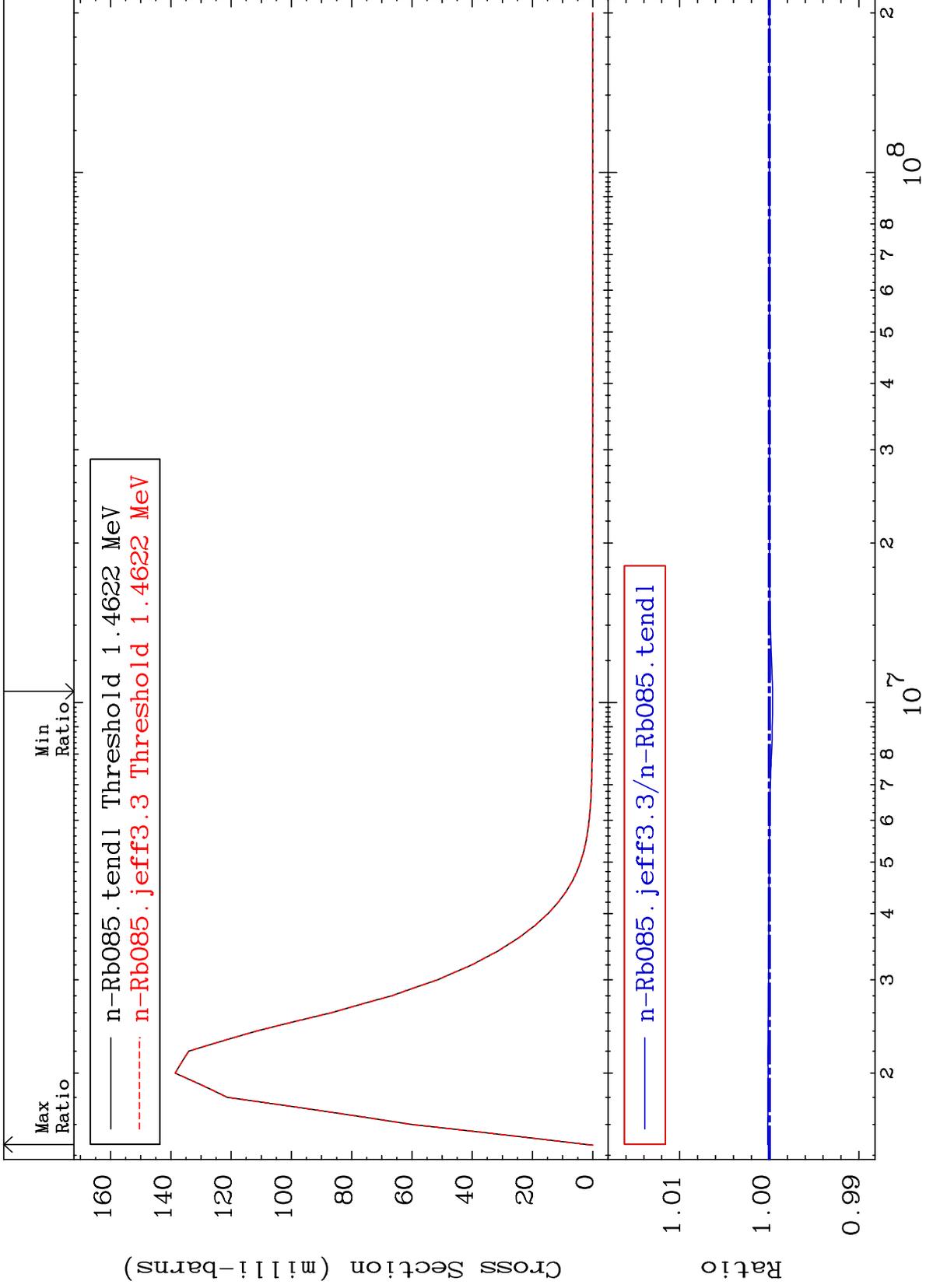


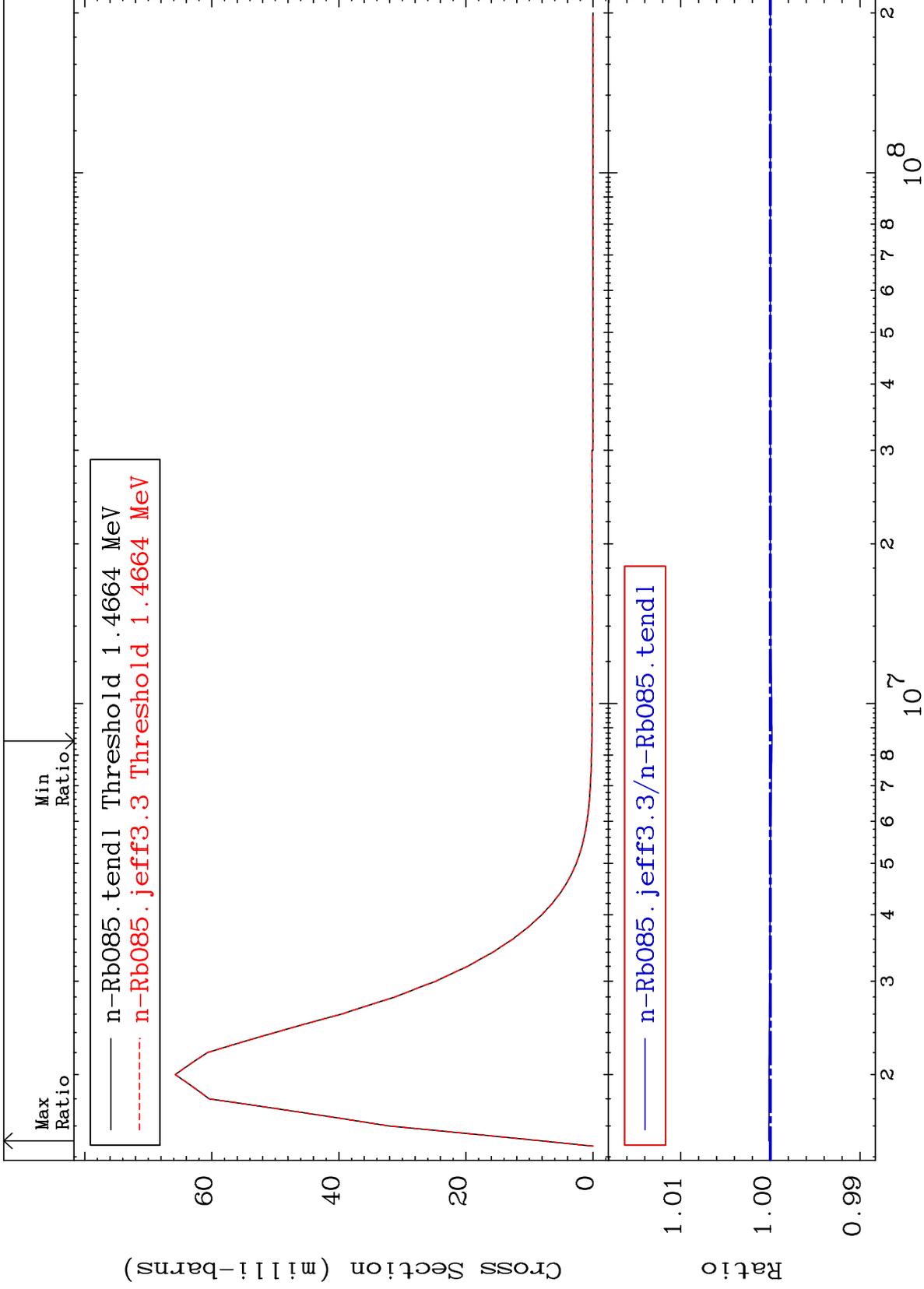


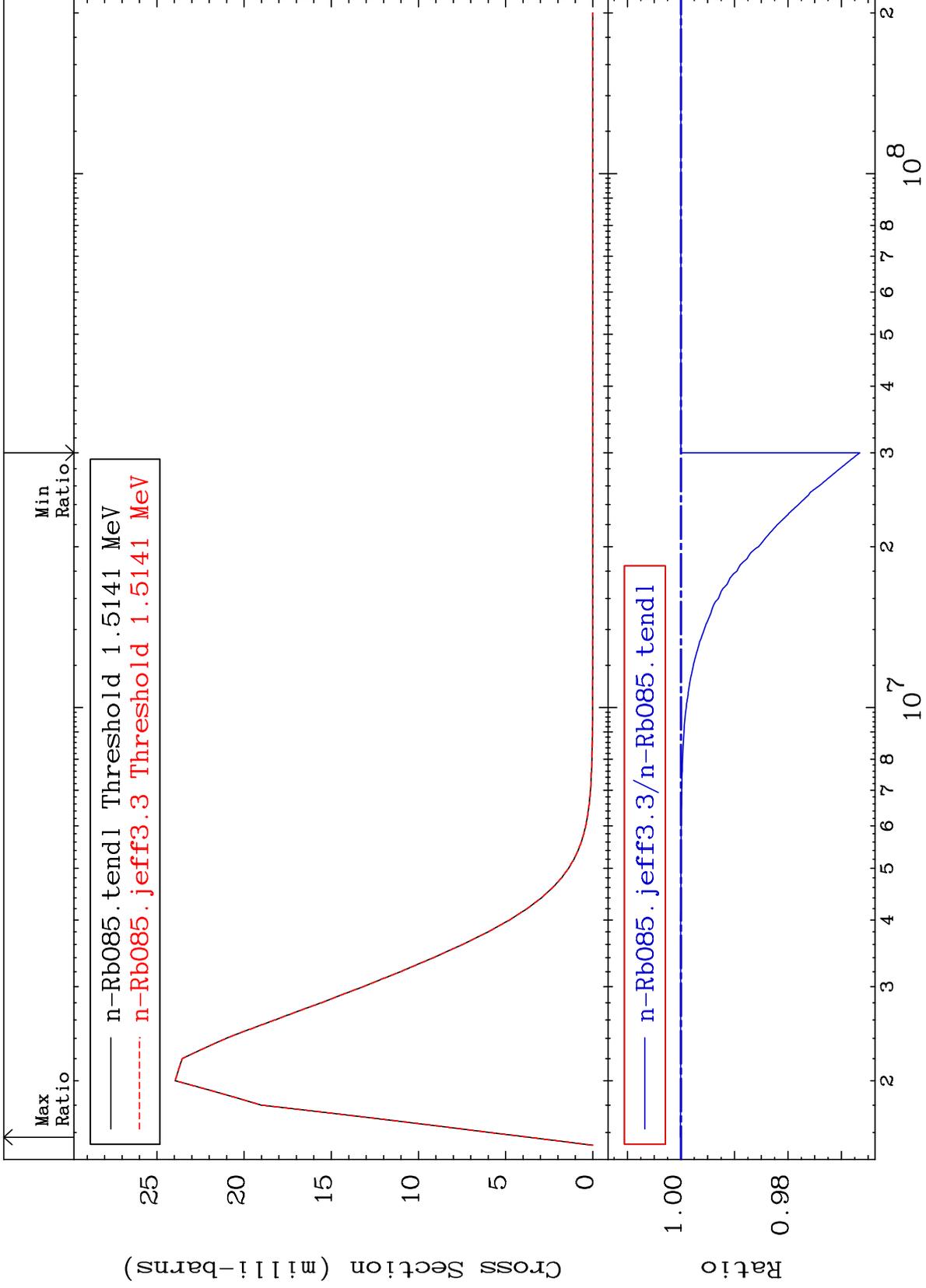








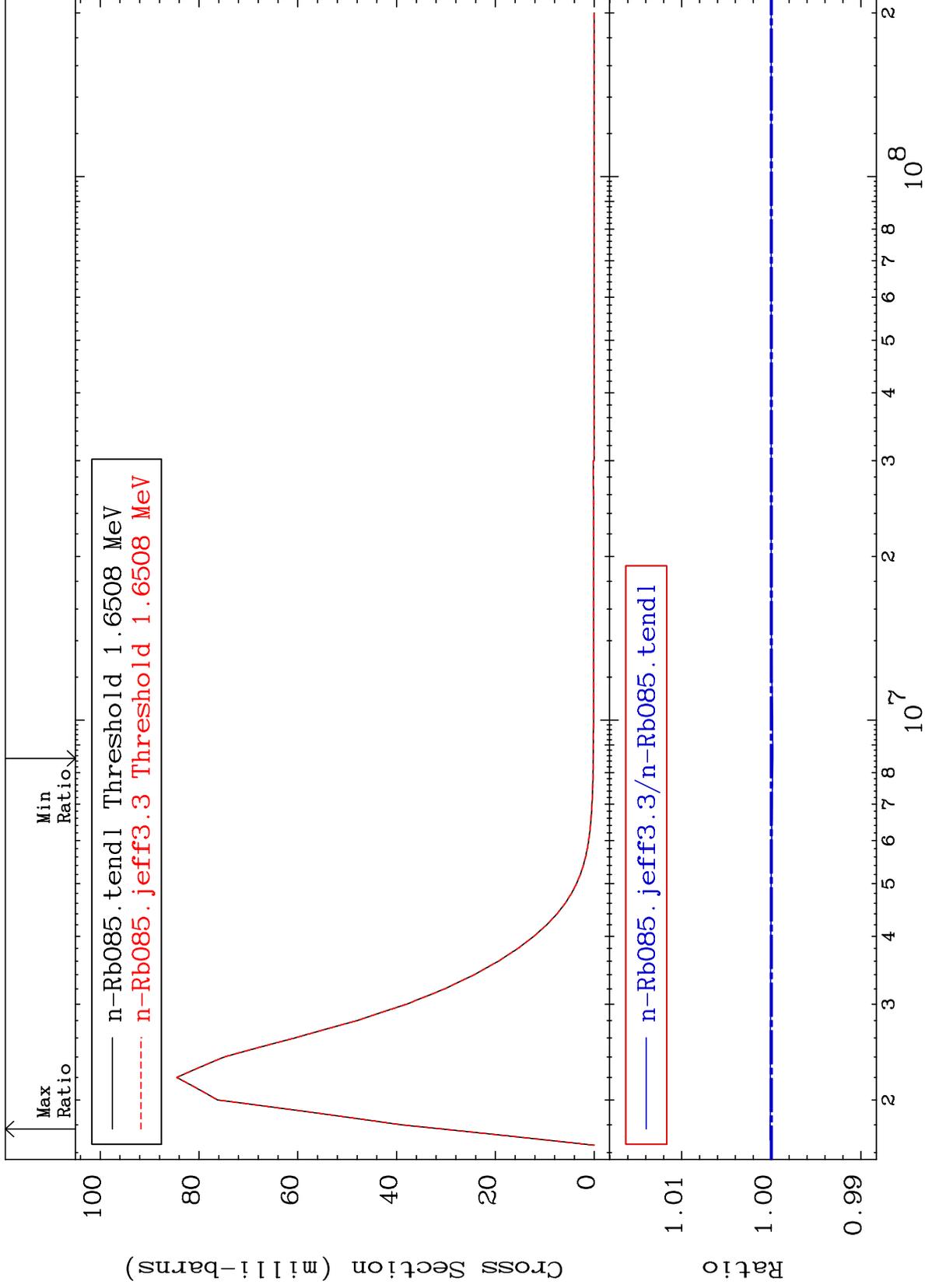




MAT 3725

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

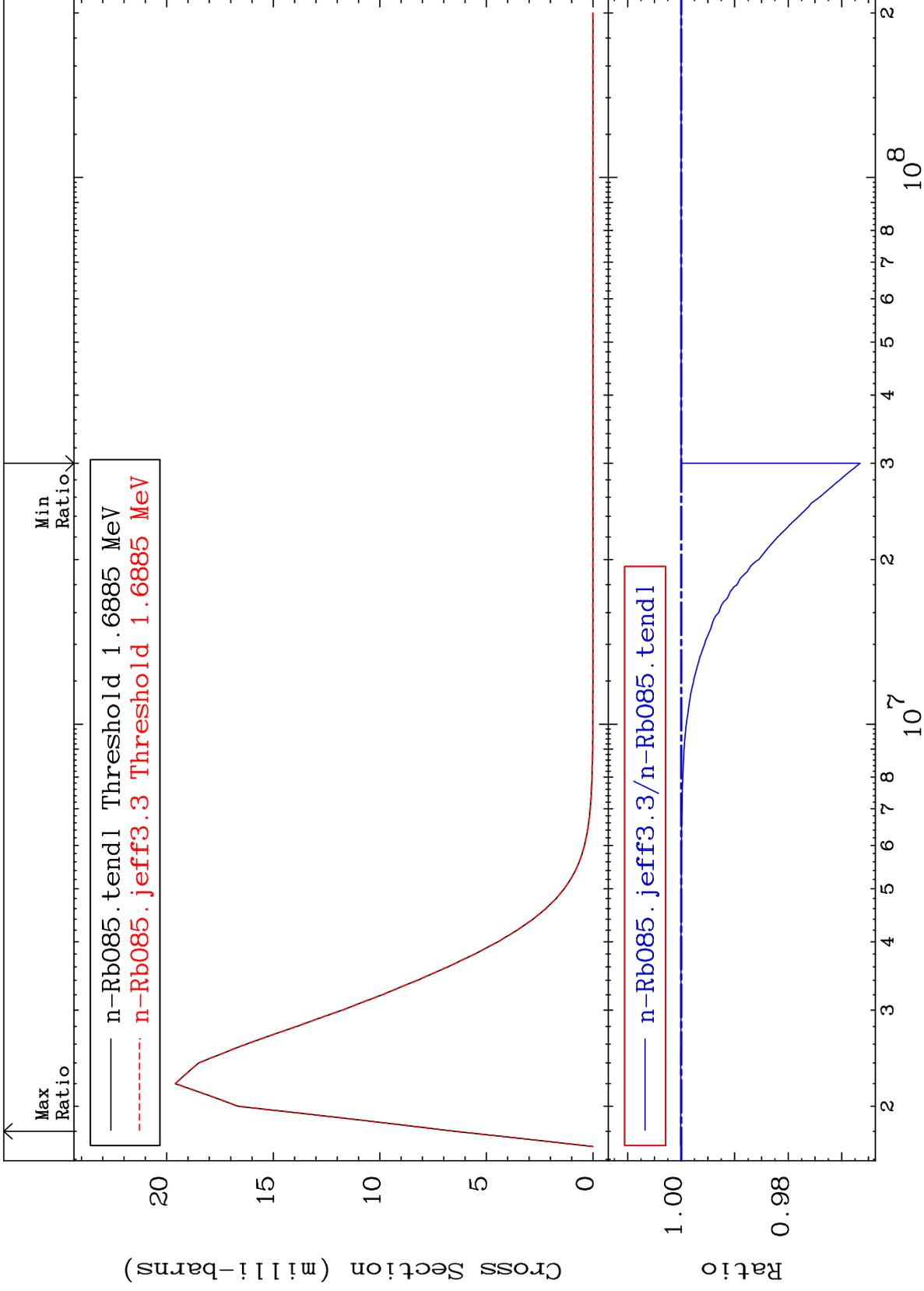
37-Rb-85
-0.018 To 0.011 %



35

Incident Energy (eV)

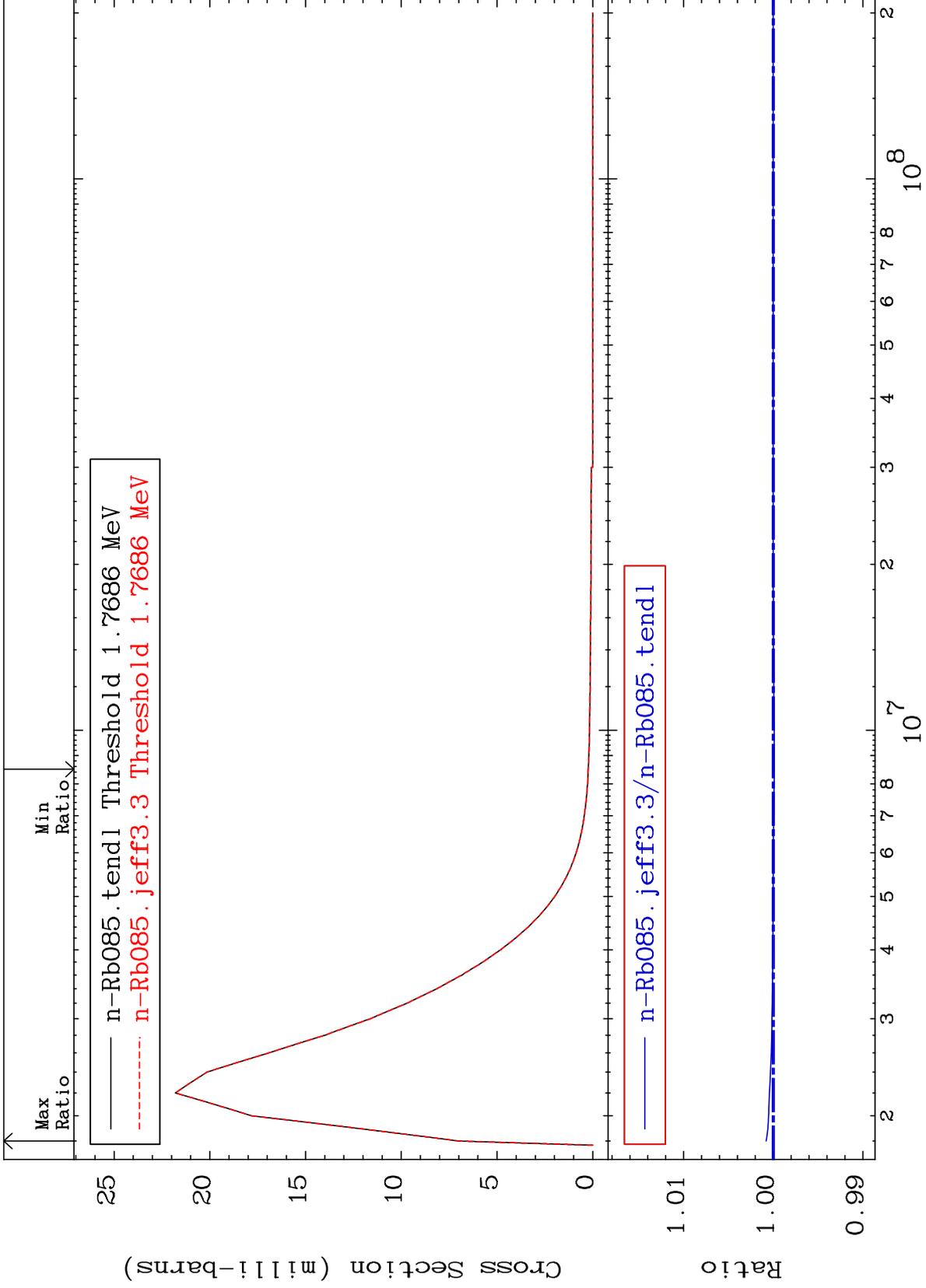
37-Rb-85



MAT 3725

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

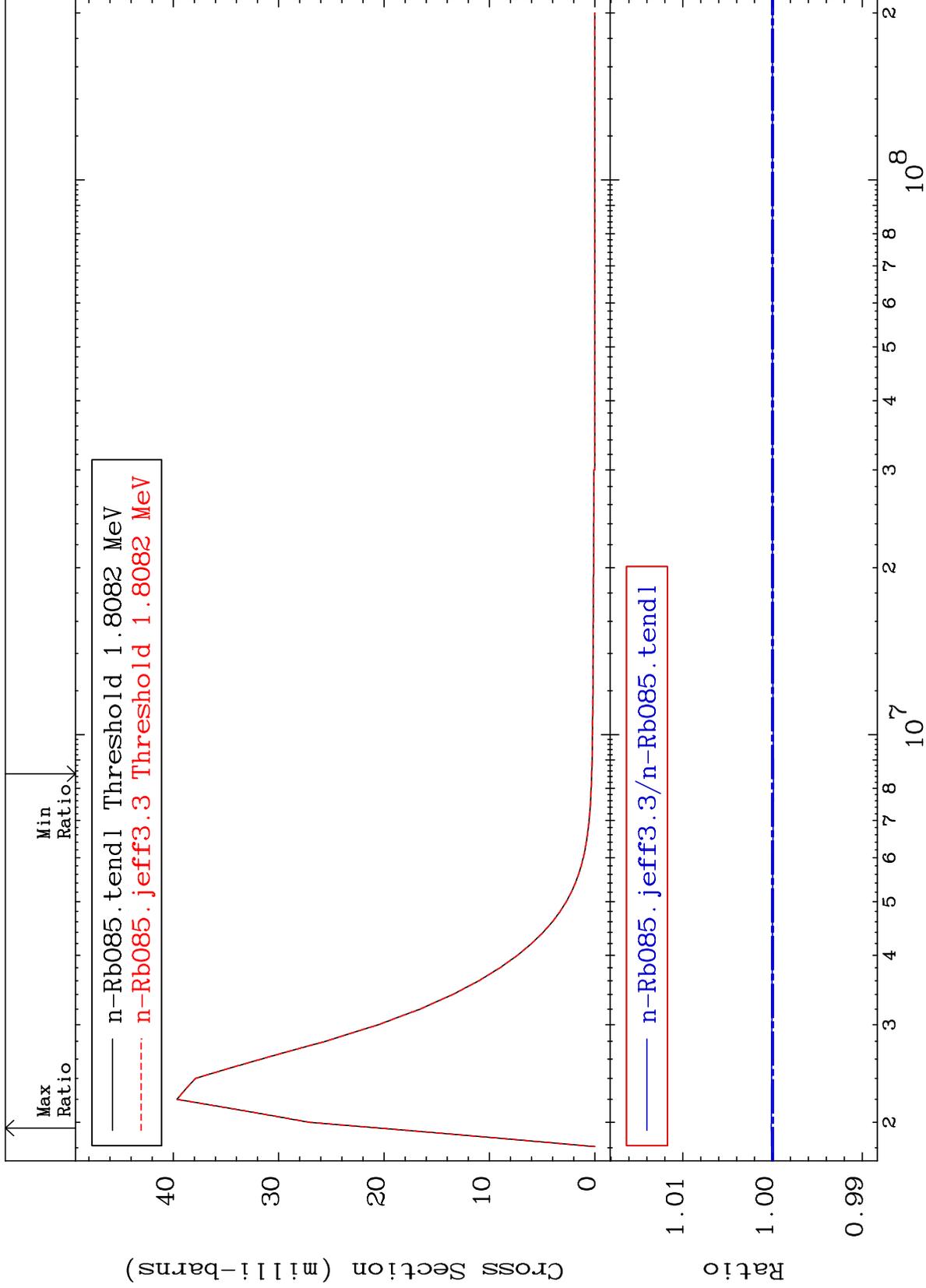
37-Rb-85
-0.012 To 0.080 %

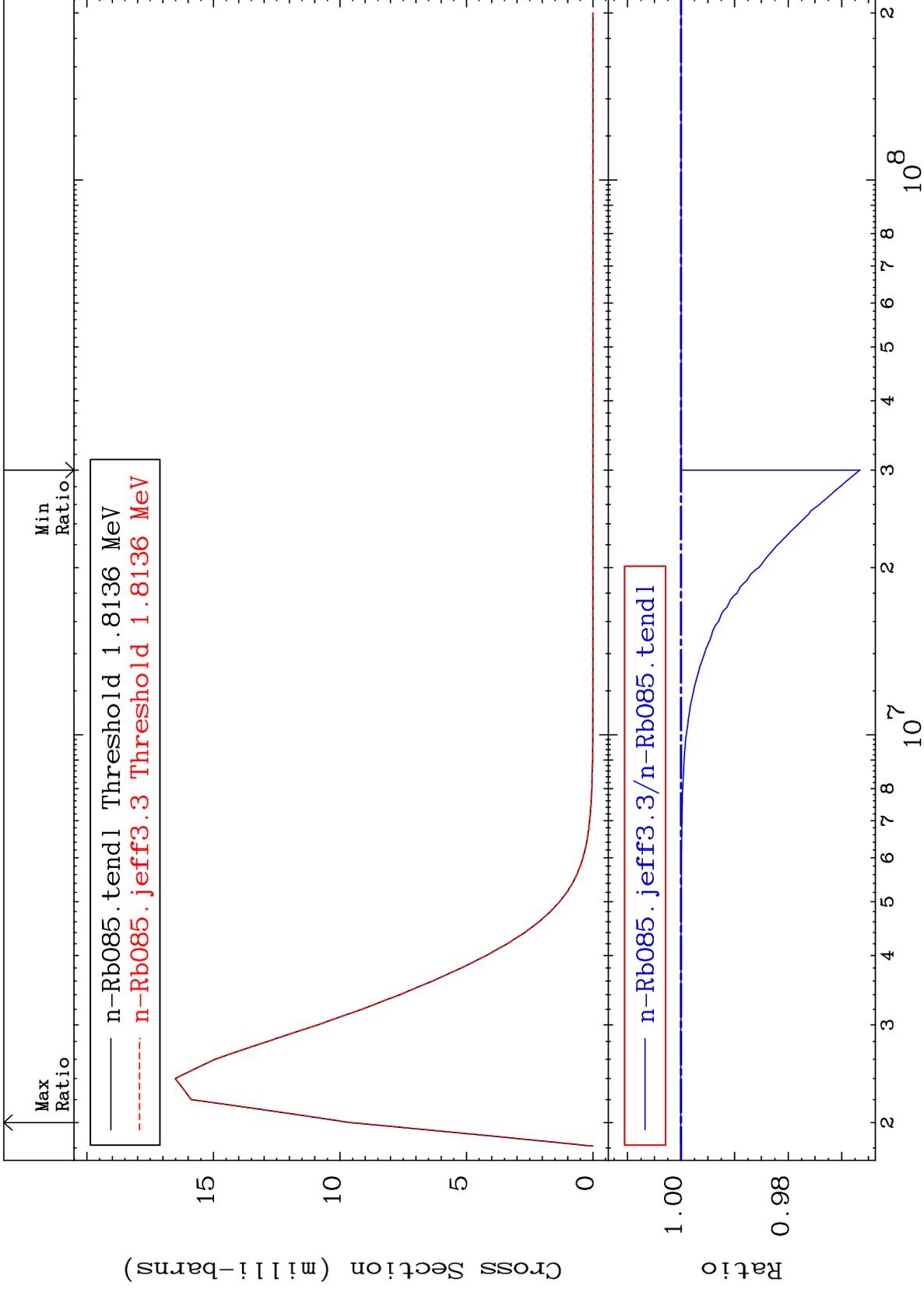


MAT 3725

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

37-Rb-85
-0.010 To 0.014 %

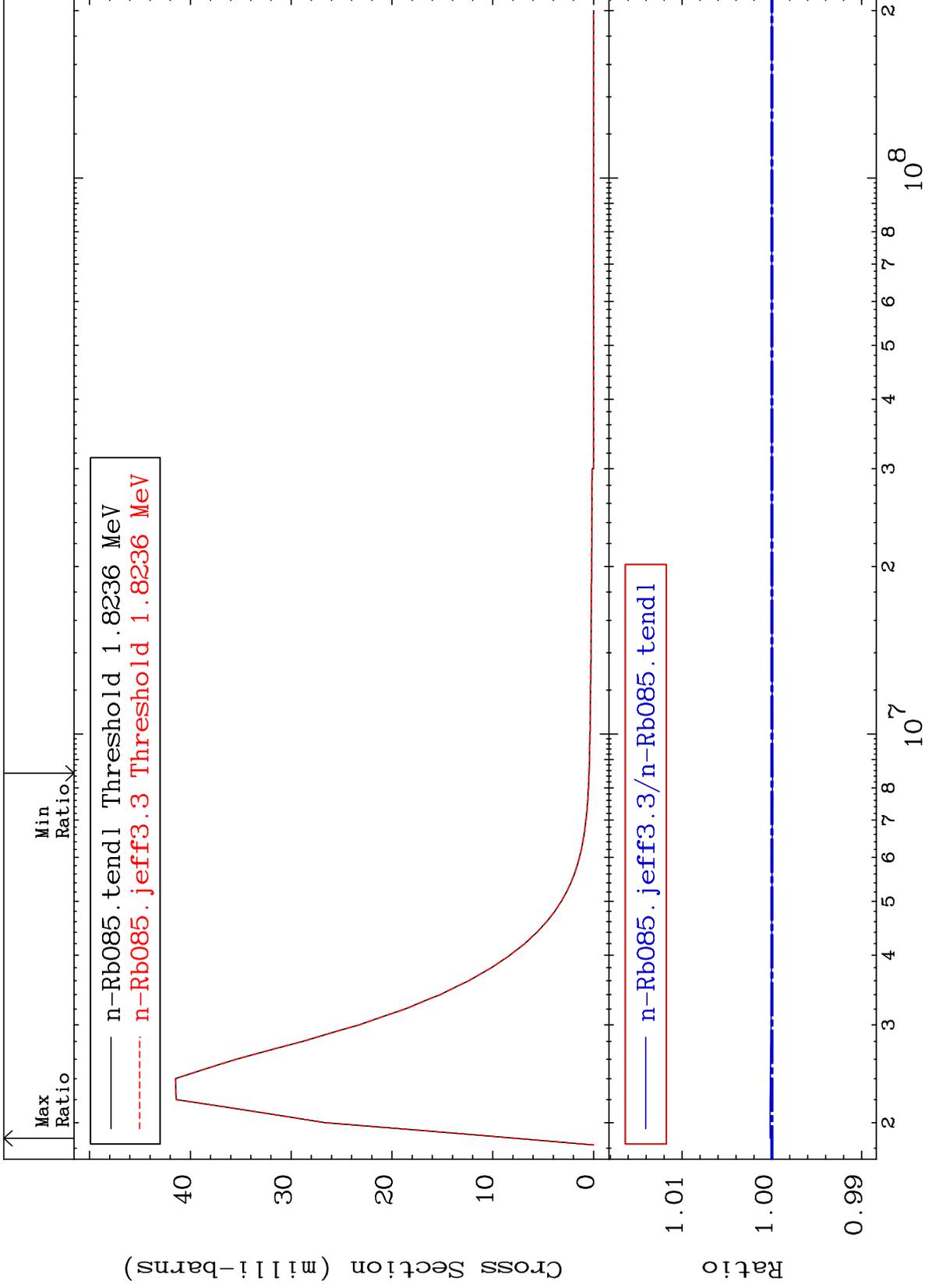




MAT 3725

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

37-Rb-85
-0.008 To 0.021 %



40

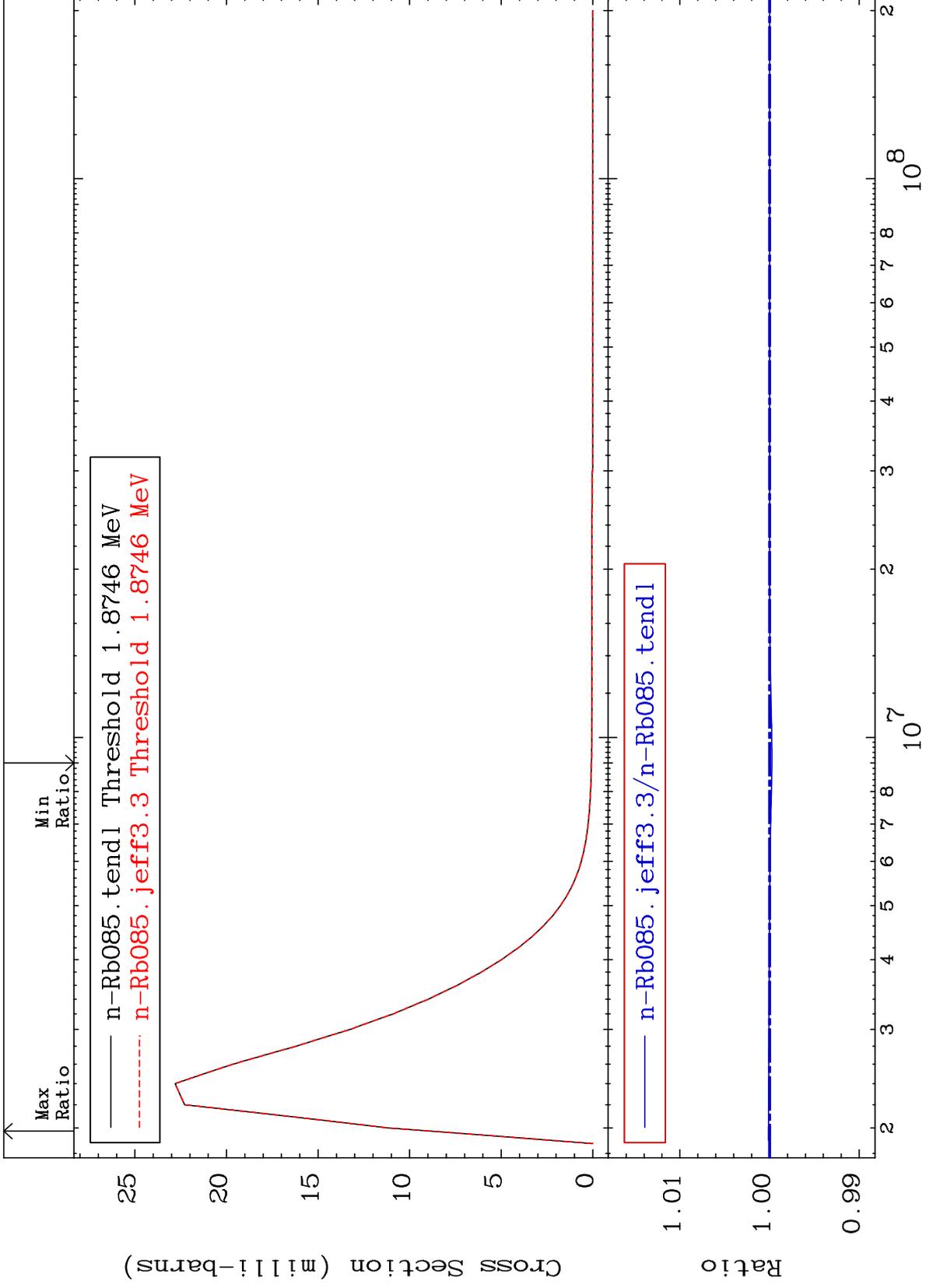
Incident Energy (eV)

37-Rb-85

MAT 3725

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

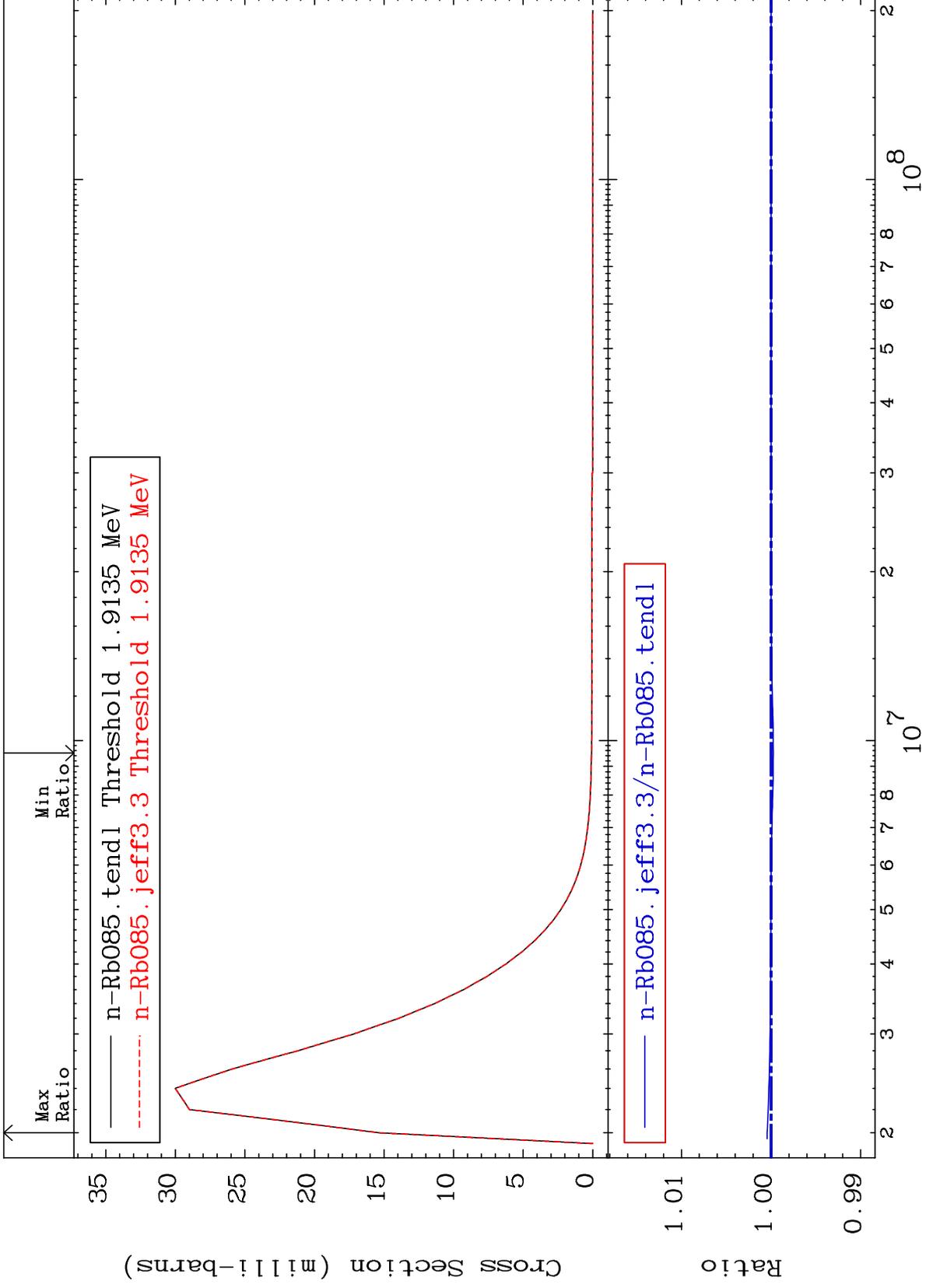
37-Rb-85
-0.026 To 0.013 %



MAT 3725

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

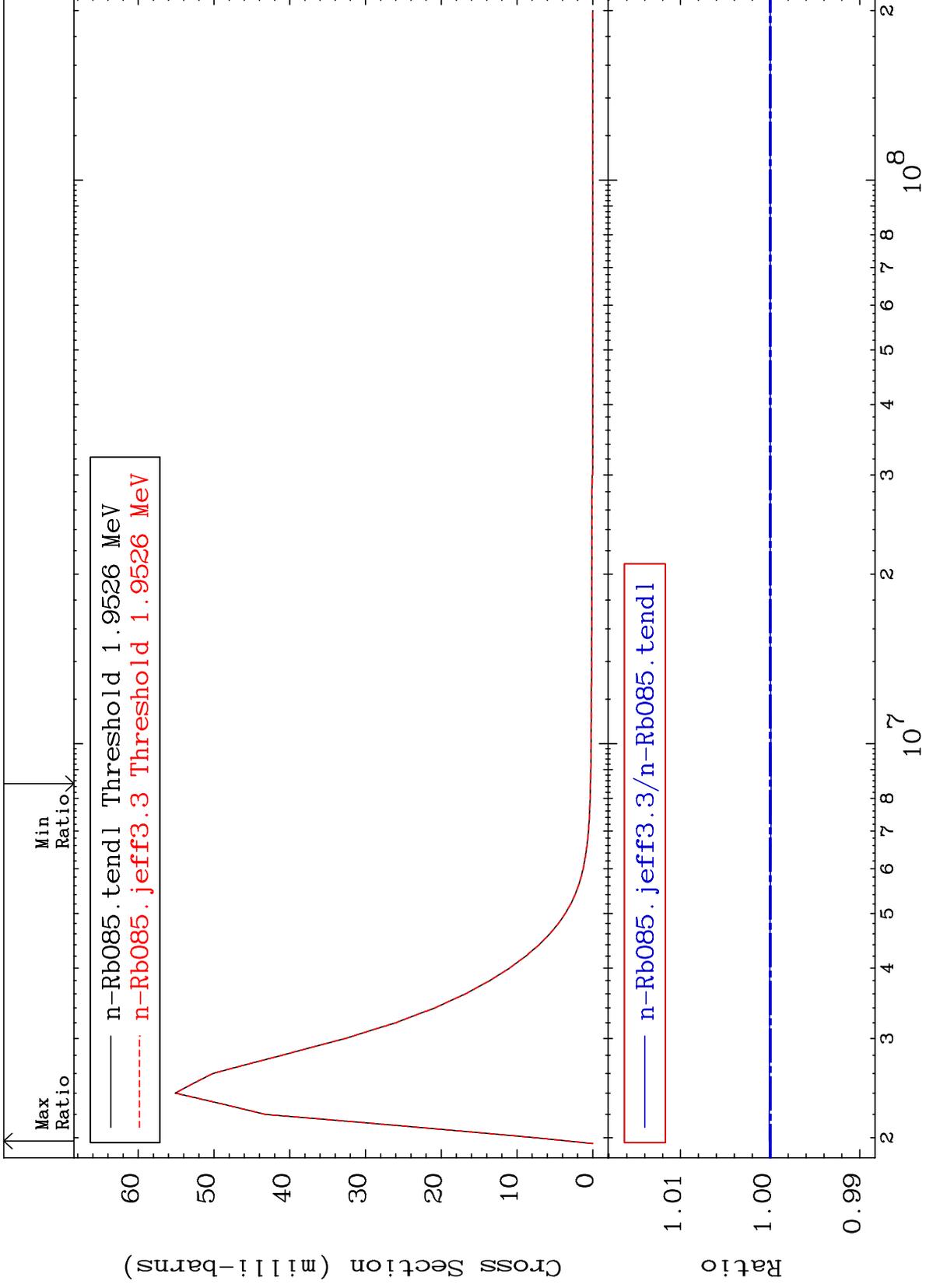
37-Rb-85
-0.025 To 0.045 %



MAT 3725

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

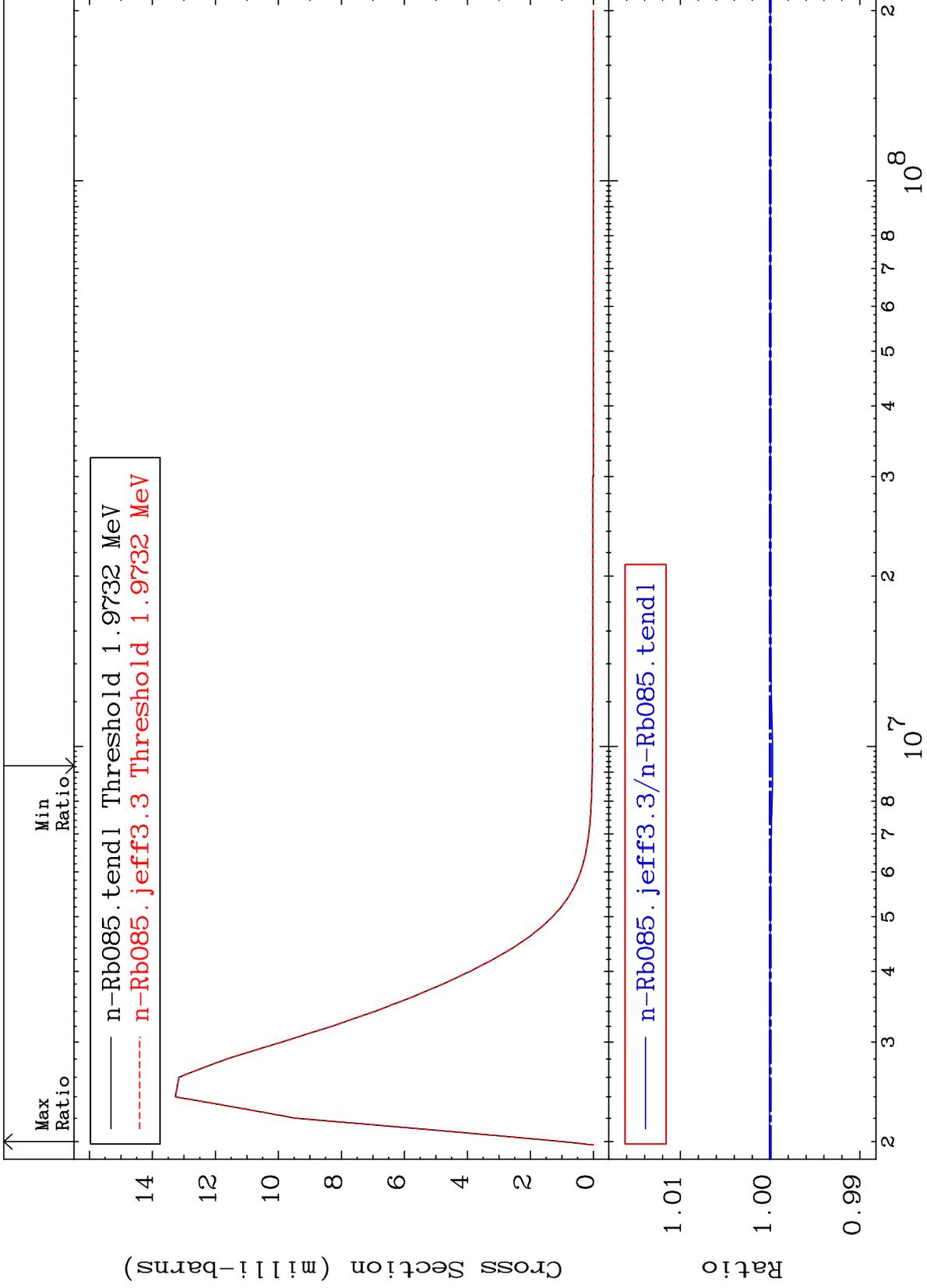
37-Rb-85
-0.011 To 0.012 %



MAT 3725

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

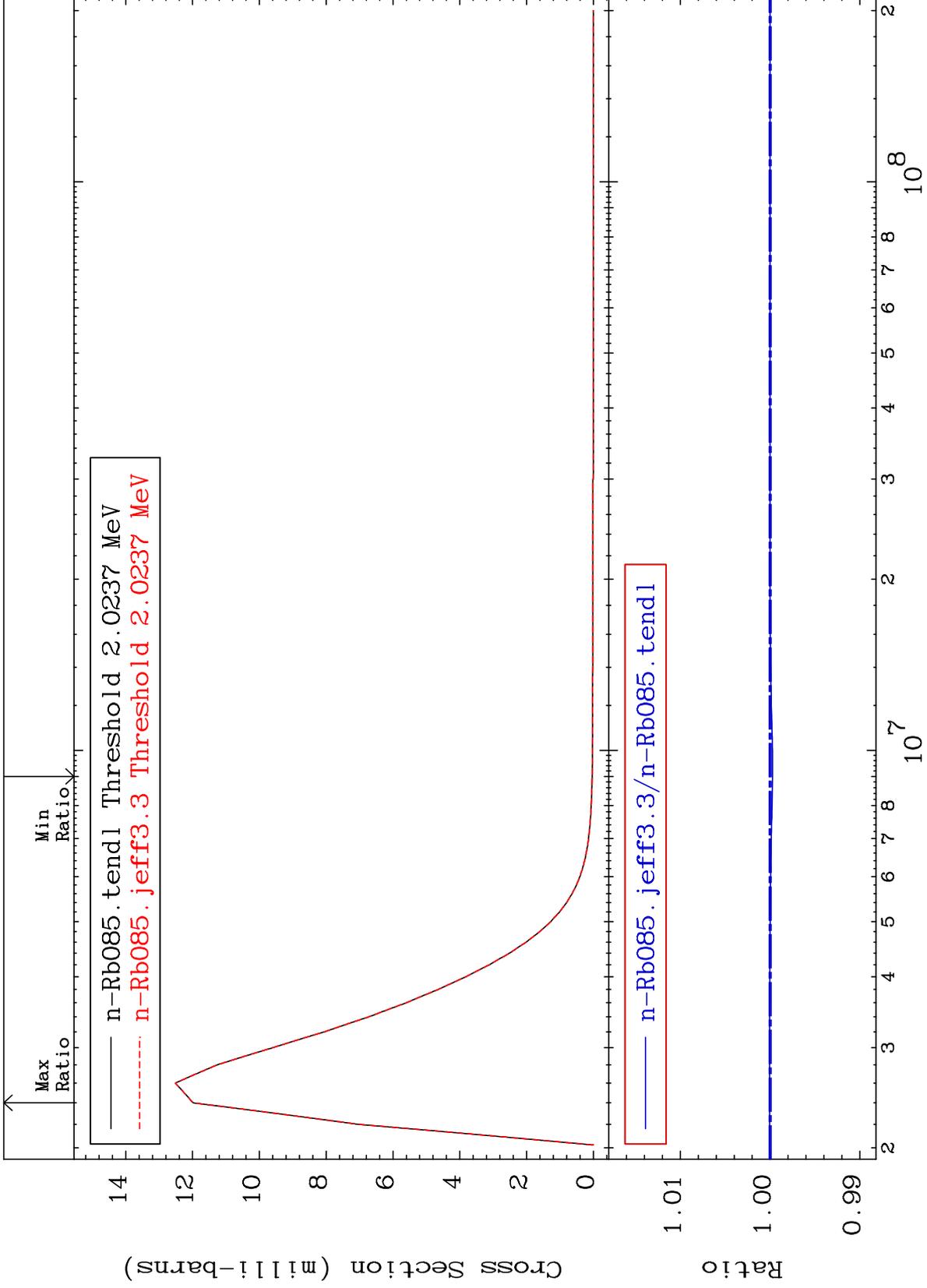
37-Rb-85
-0.027 To 0.009 %



MAT 3725

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

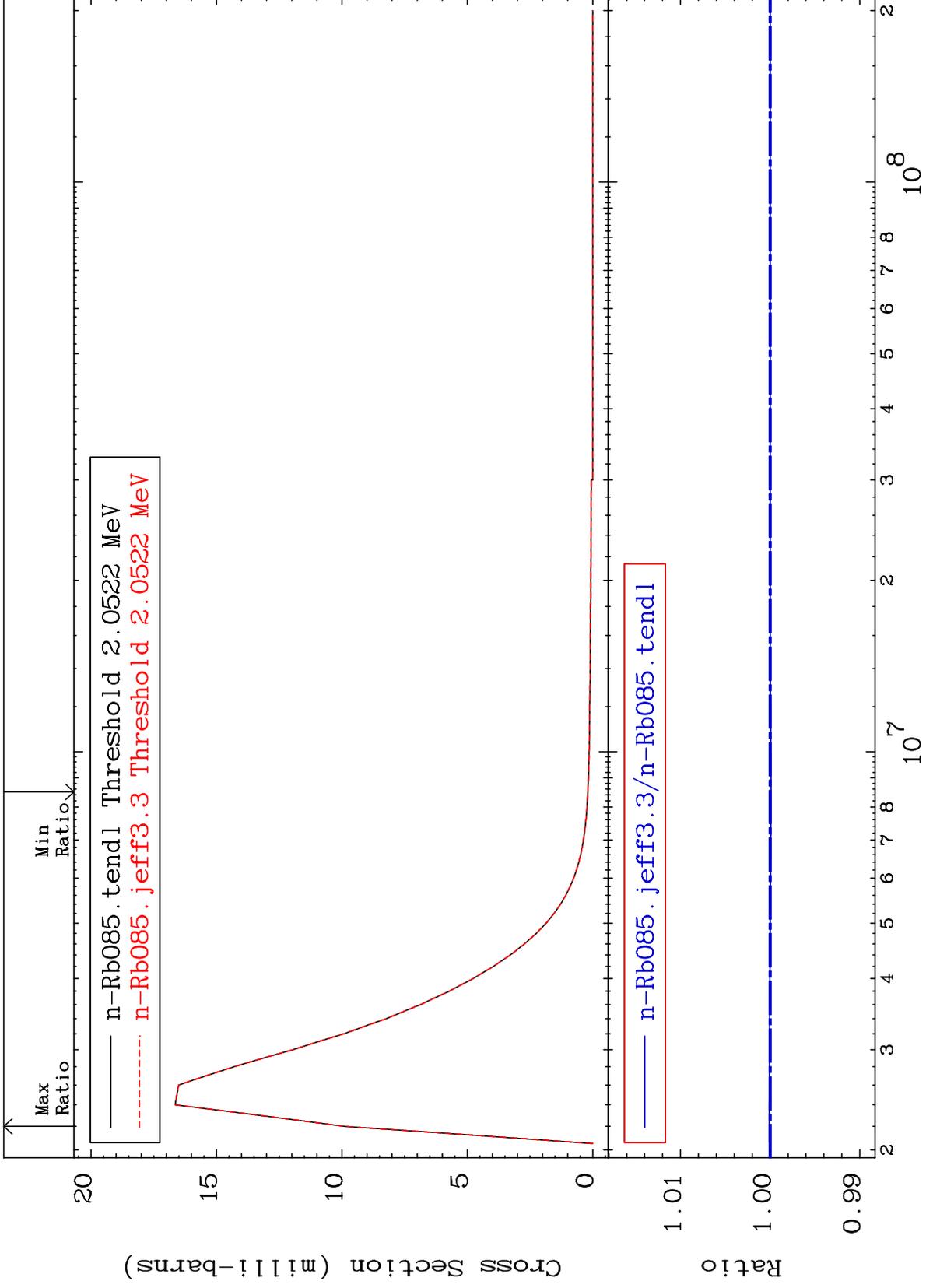
37-Rb-85
-0.026 To 0.007 %



MAT 3725

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

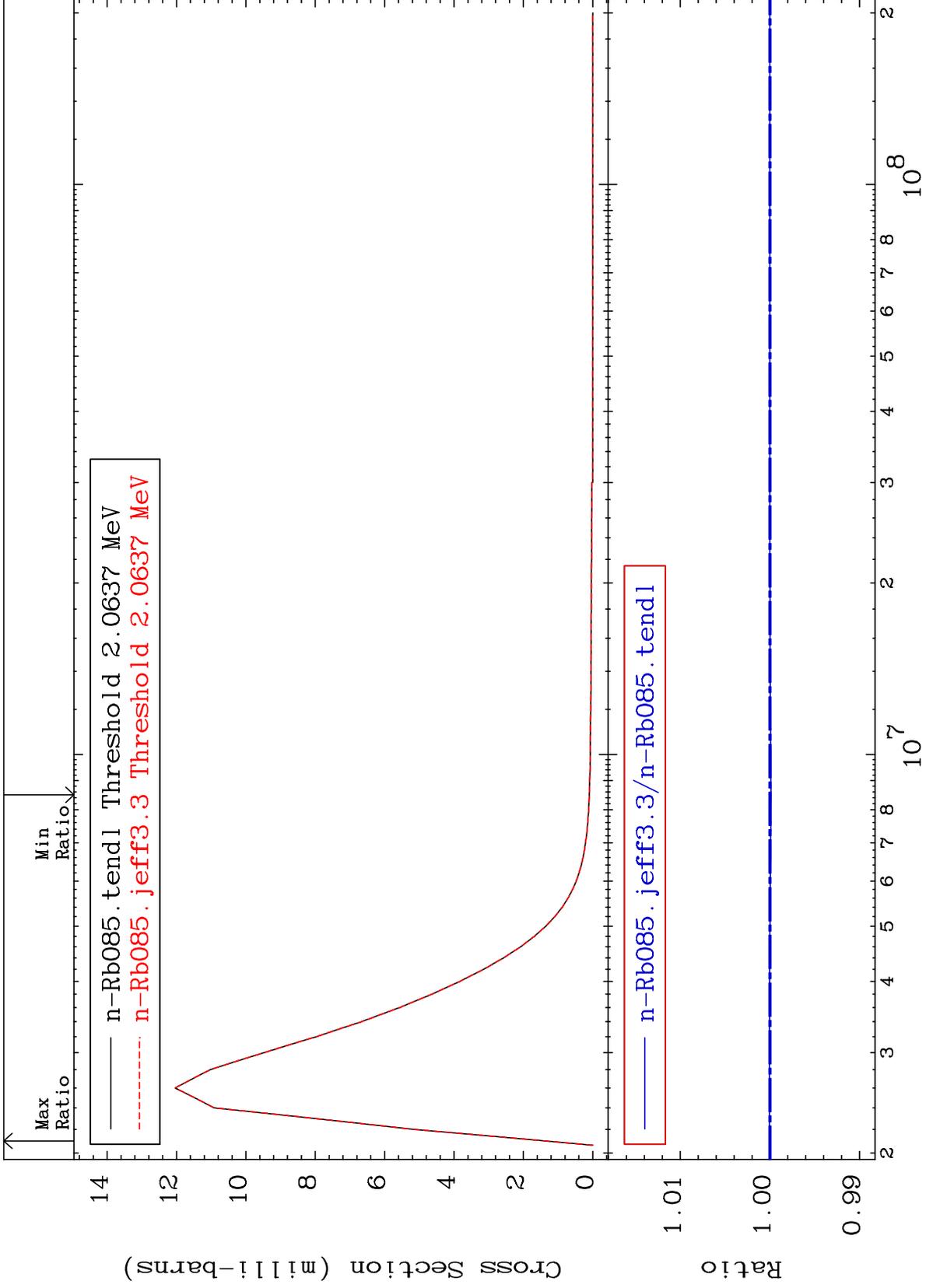
37-Rb-85
-0.011 To 0.011 %



MAT 3725

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

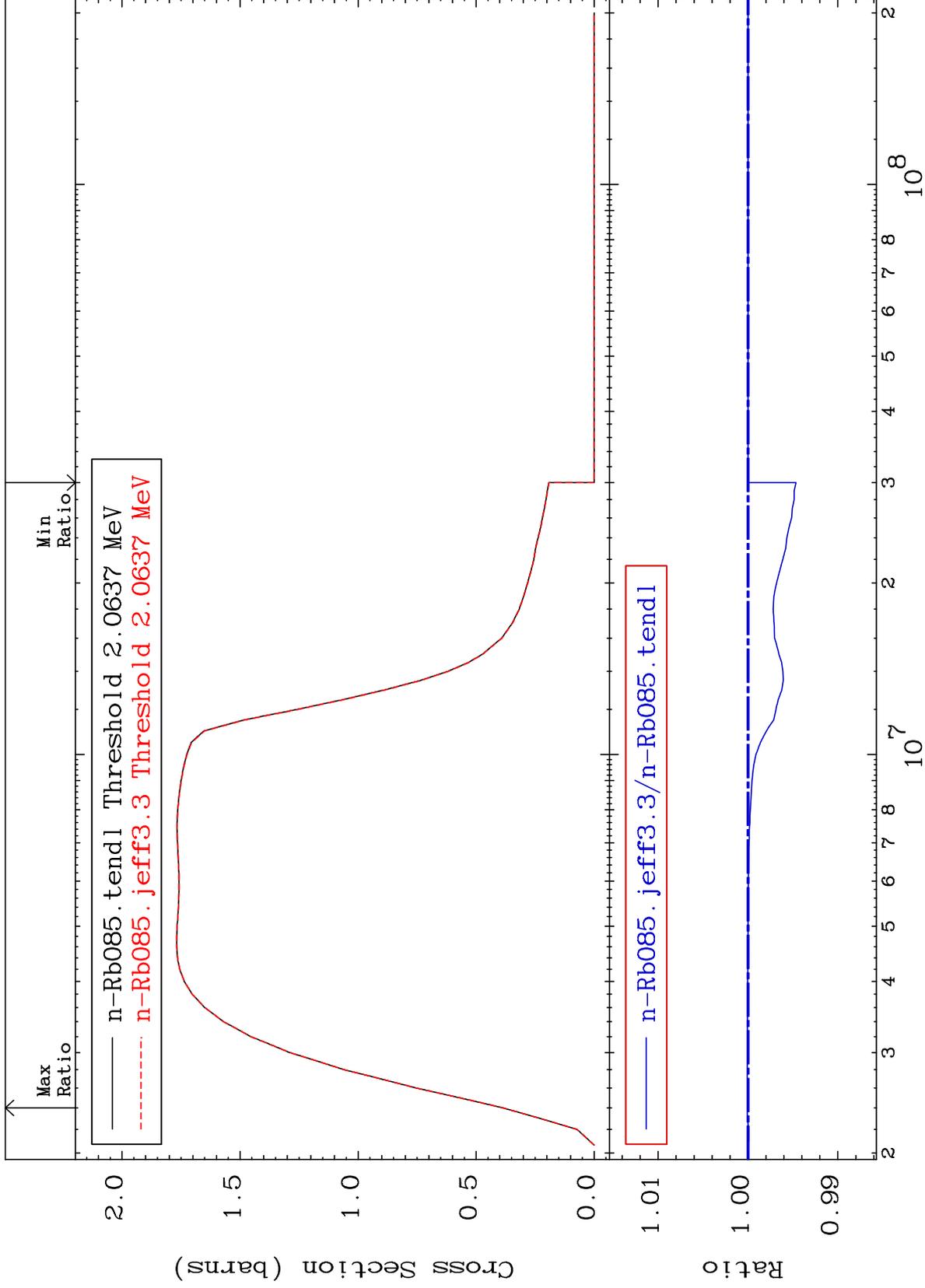
37-Rb-85
-0.012 To 0.007 %



MAT 3725

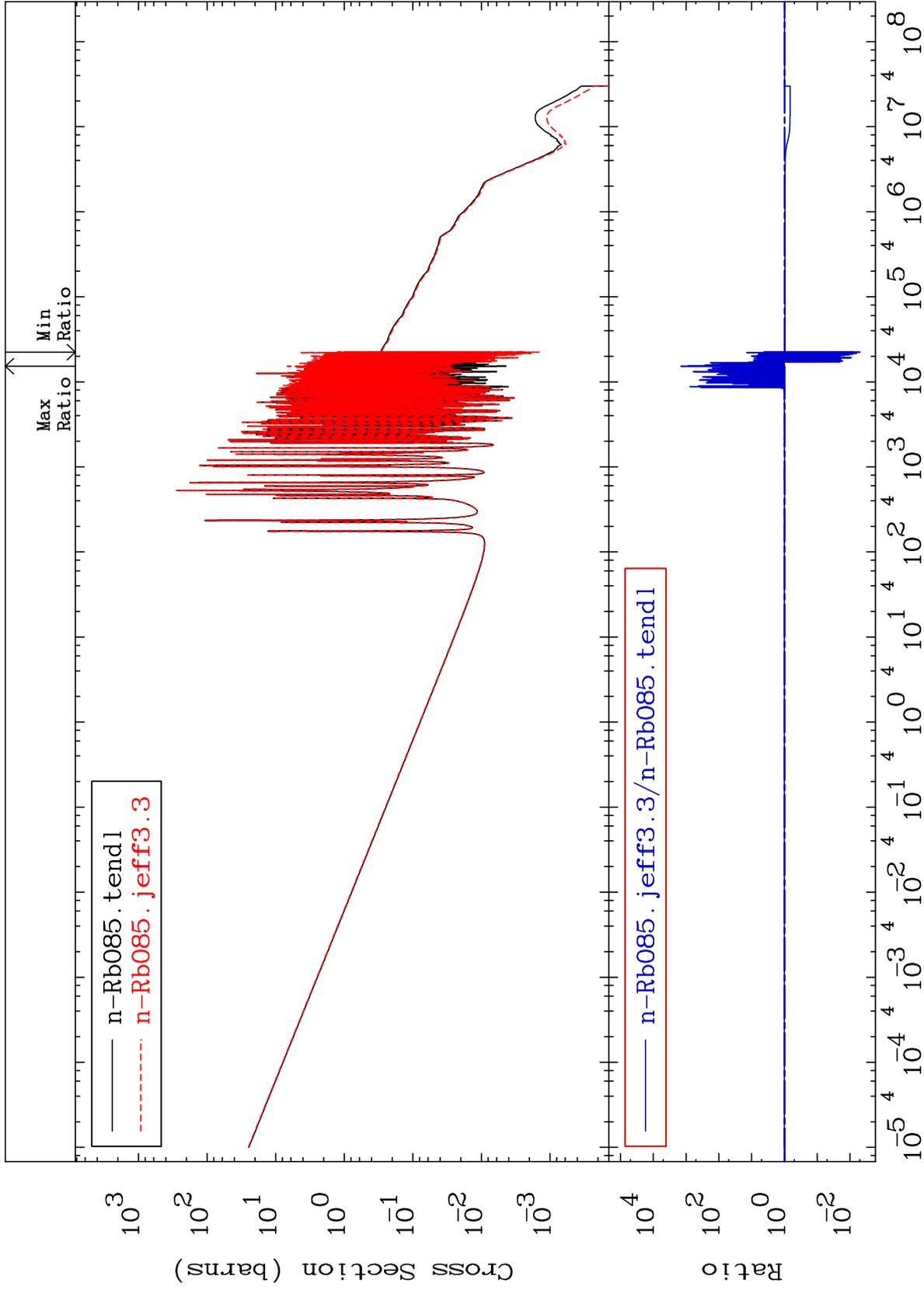
(n, n') Continuum
Cross Section

37-Rb-85
-0.534 To 0.010 %

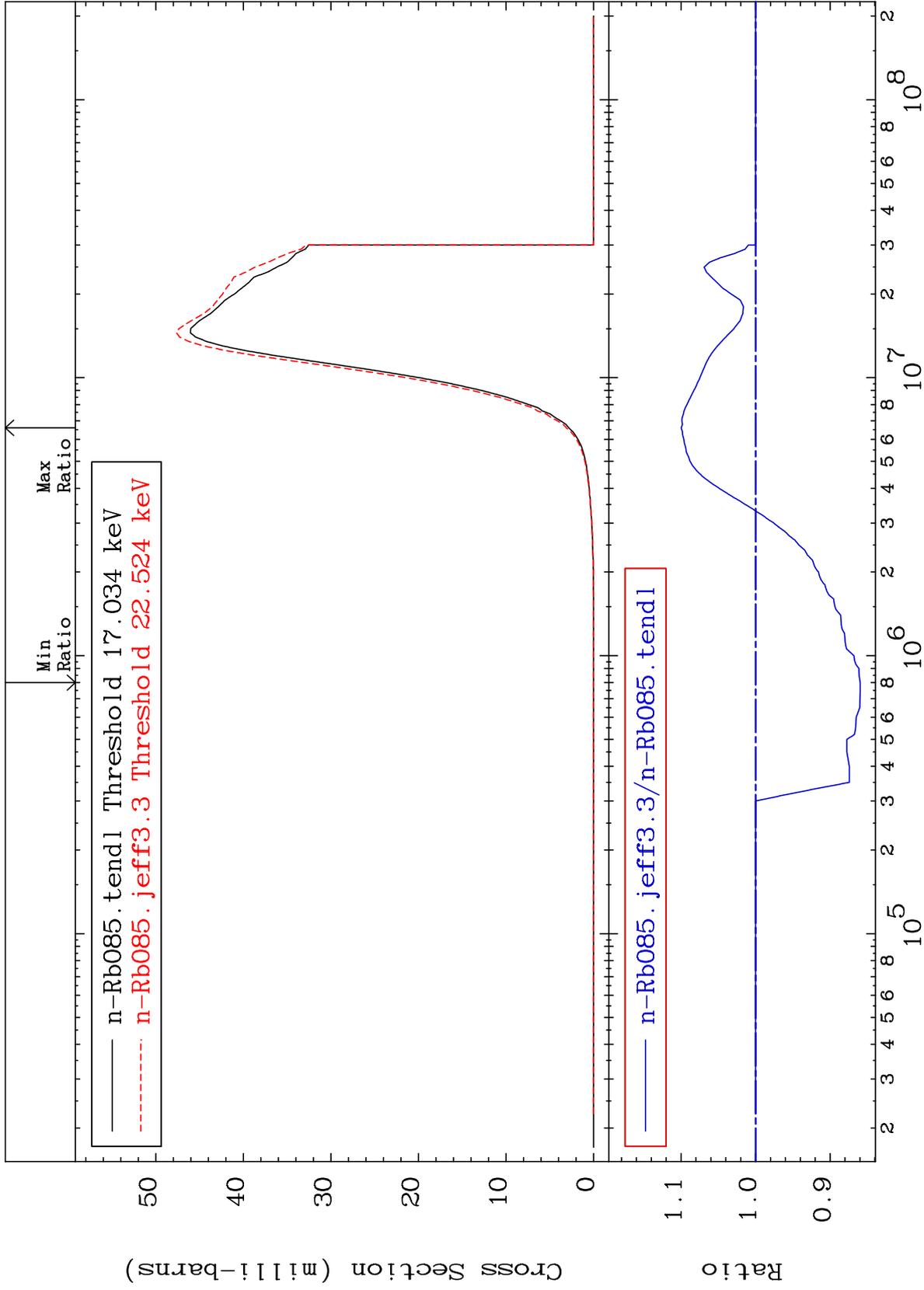


Cross Section

-99.51 To 9999. %



(n,p)
Cross Section
-14.03 To 9.990 %



MAT 3725

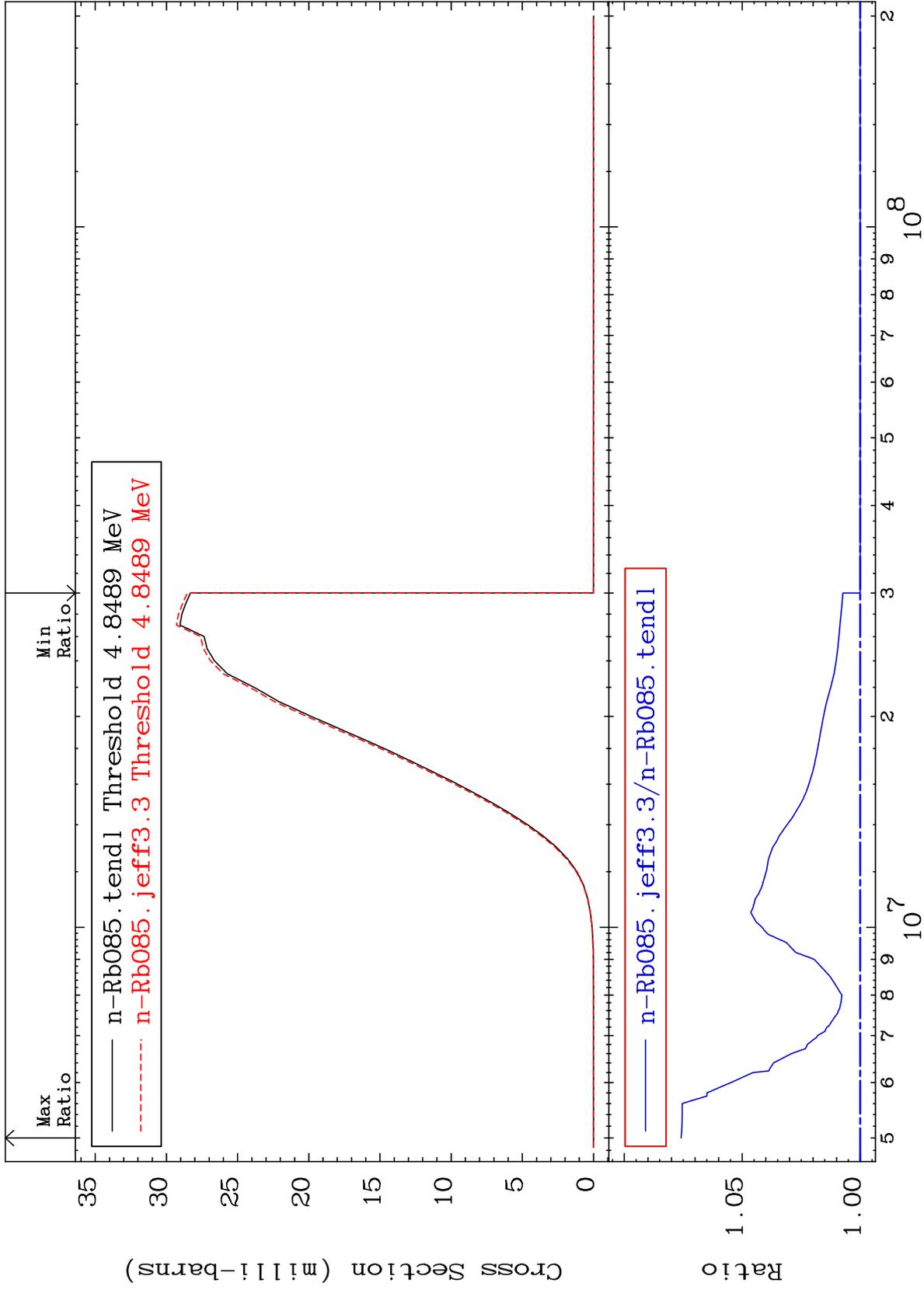
(n, d)

³⁷Rb-85

Cross Section

0.000

To 7.589 %



51

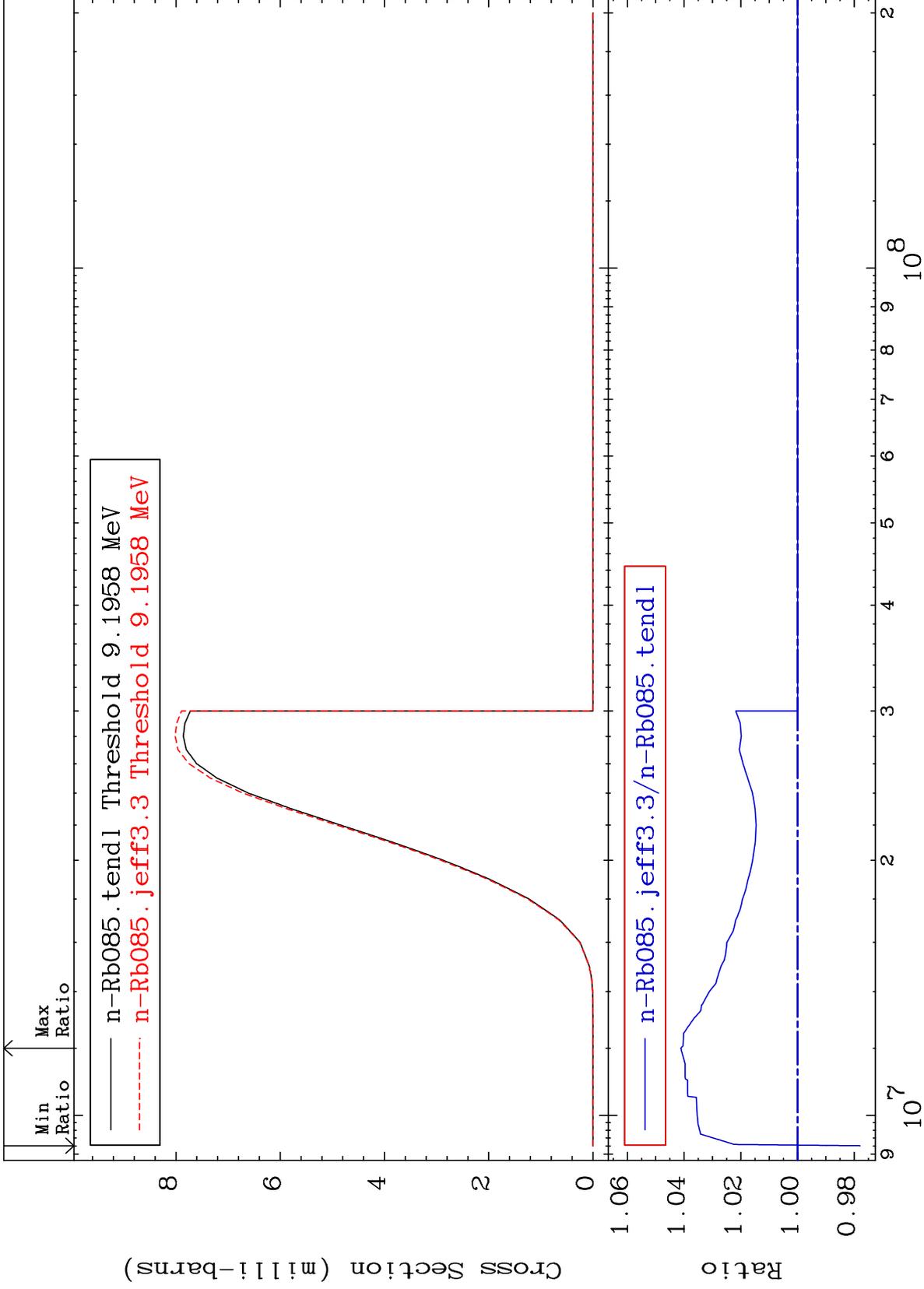
Incident Energy (eV)

³⁷Rb-85

MAT 3725

(n, t)
Cross Section

37-Rb-85
-2.205 To 4.119 %



52

Incident Energy (eV)

37-Rb-85

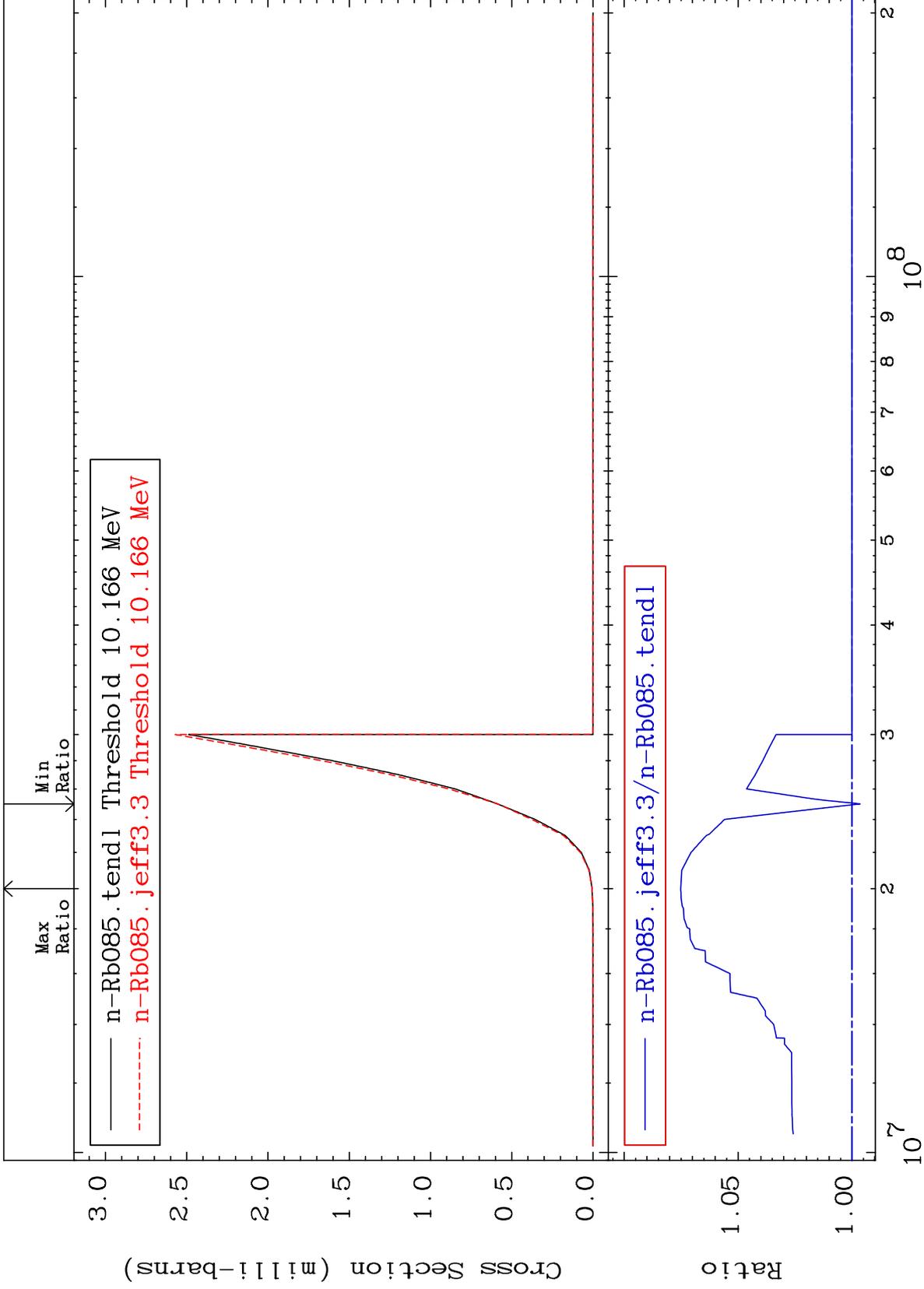
MAT 3725

(n, He-3)

37-Rb-85

Cross Section

-0.357 To 7.515 %



53

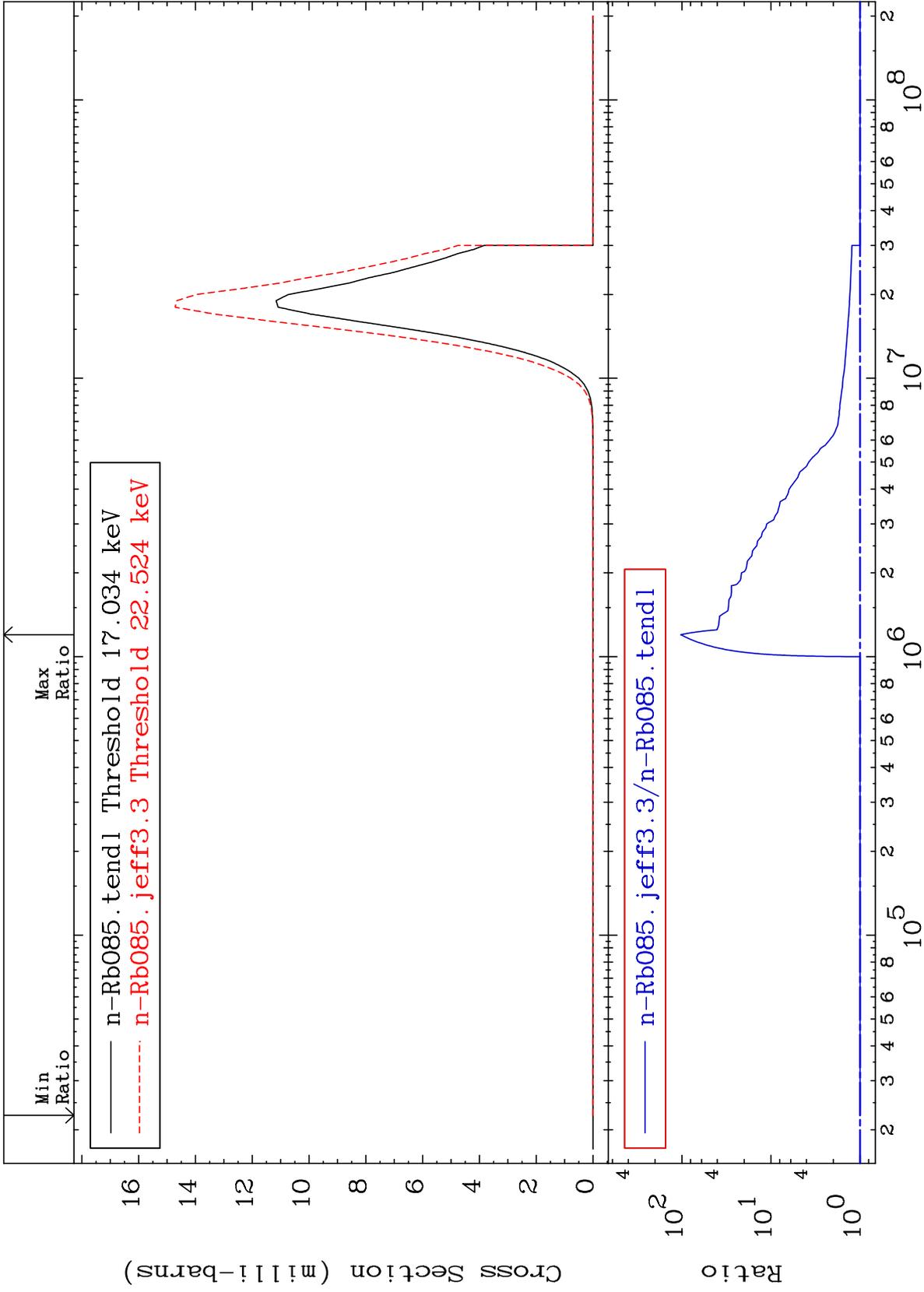
Incident Energy (eV)

37-Rb-85

Cross Section To 9999. %

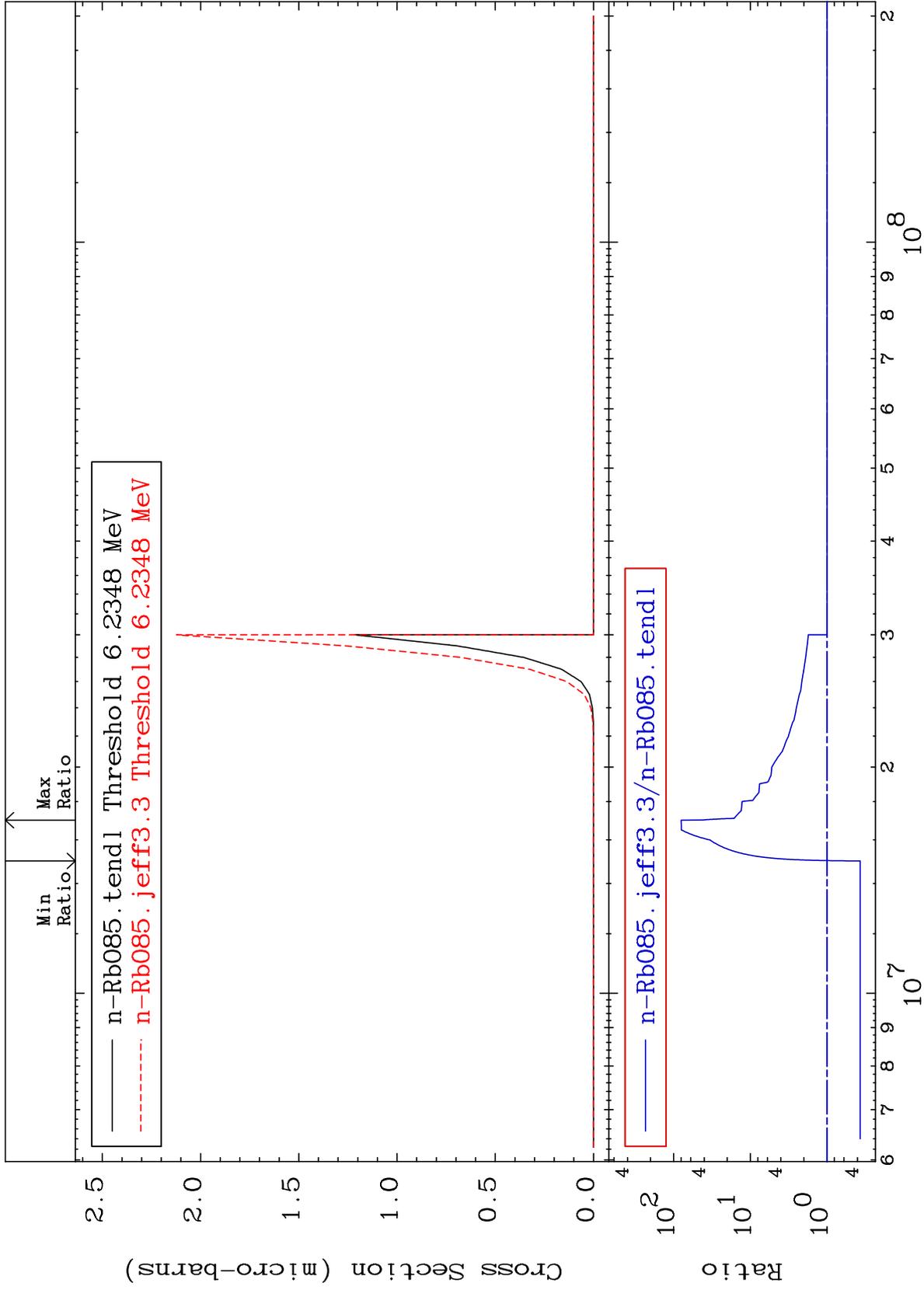
(n, α)

Cross Section



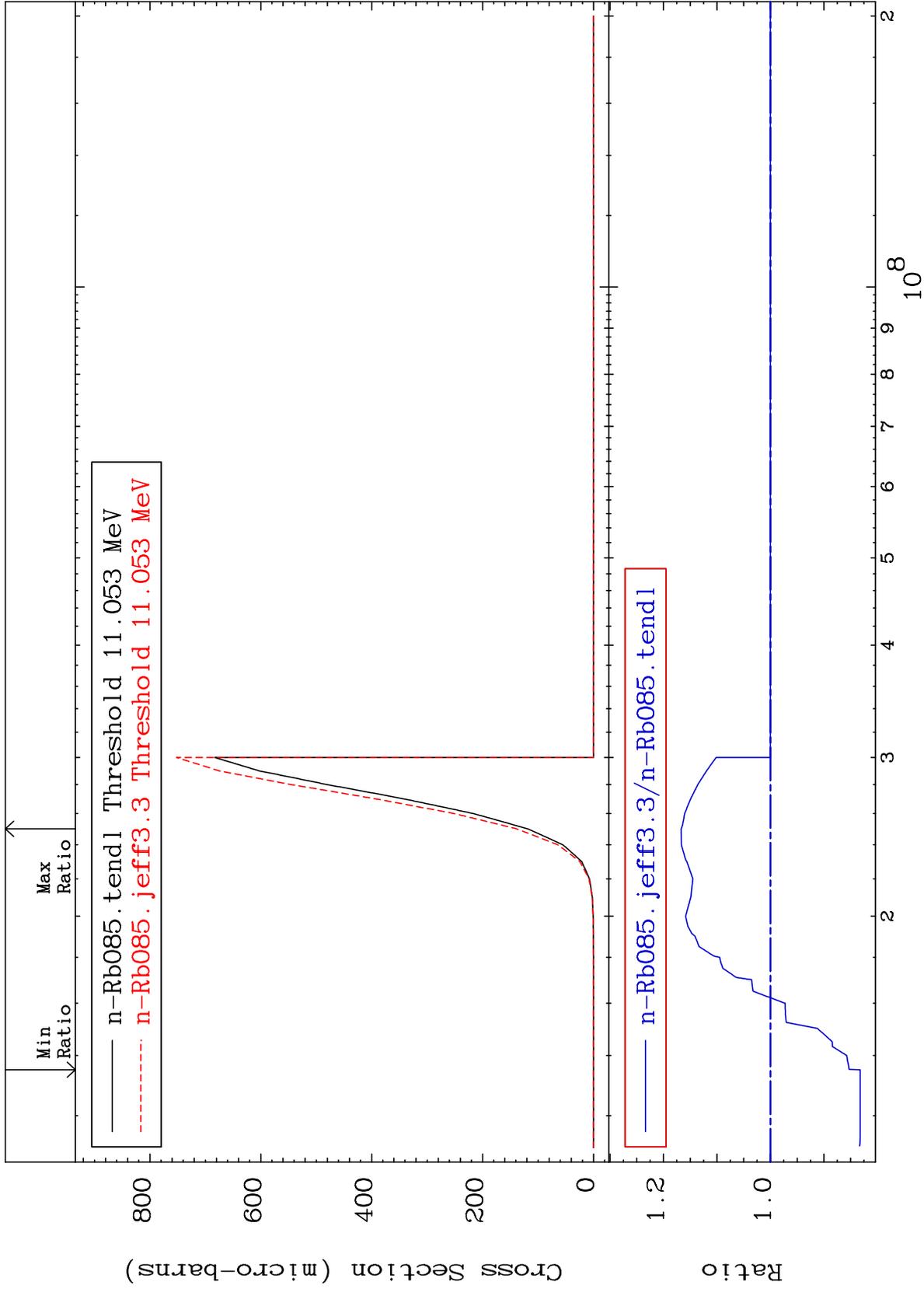
Cross Section

-63.10 To 7880. %



Cross Section

-16.79 To 16.69 %



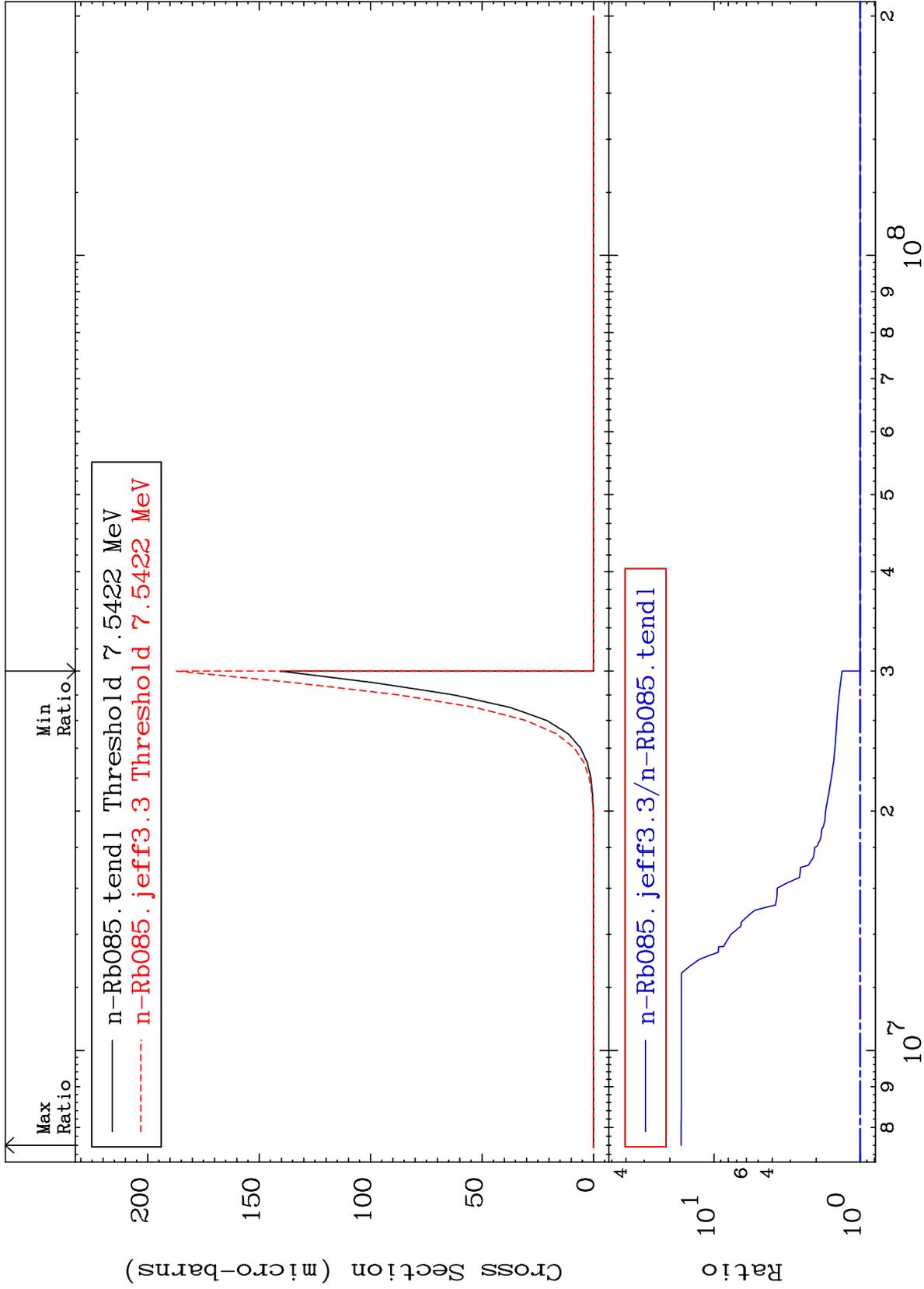
MAT 3725

(n, p) α

³⁷Rb-85

0.000 To 1576. %

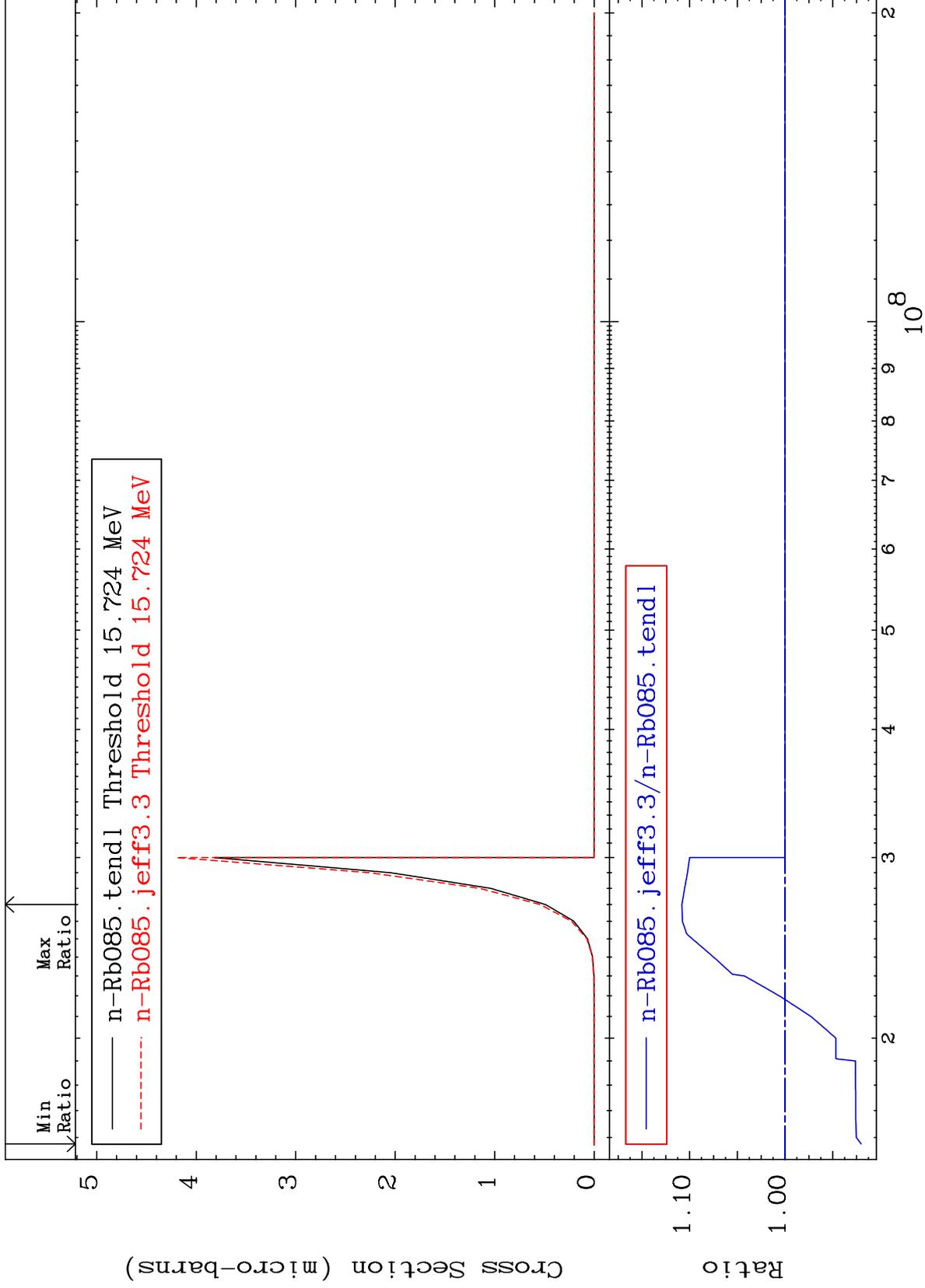
Cross Section



57

Incident Energy (eV)

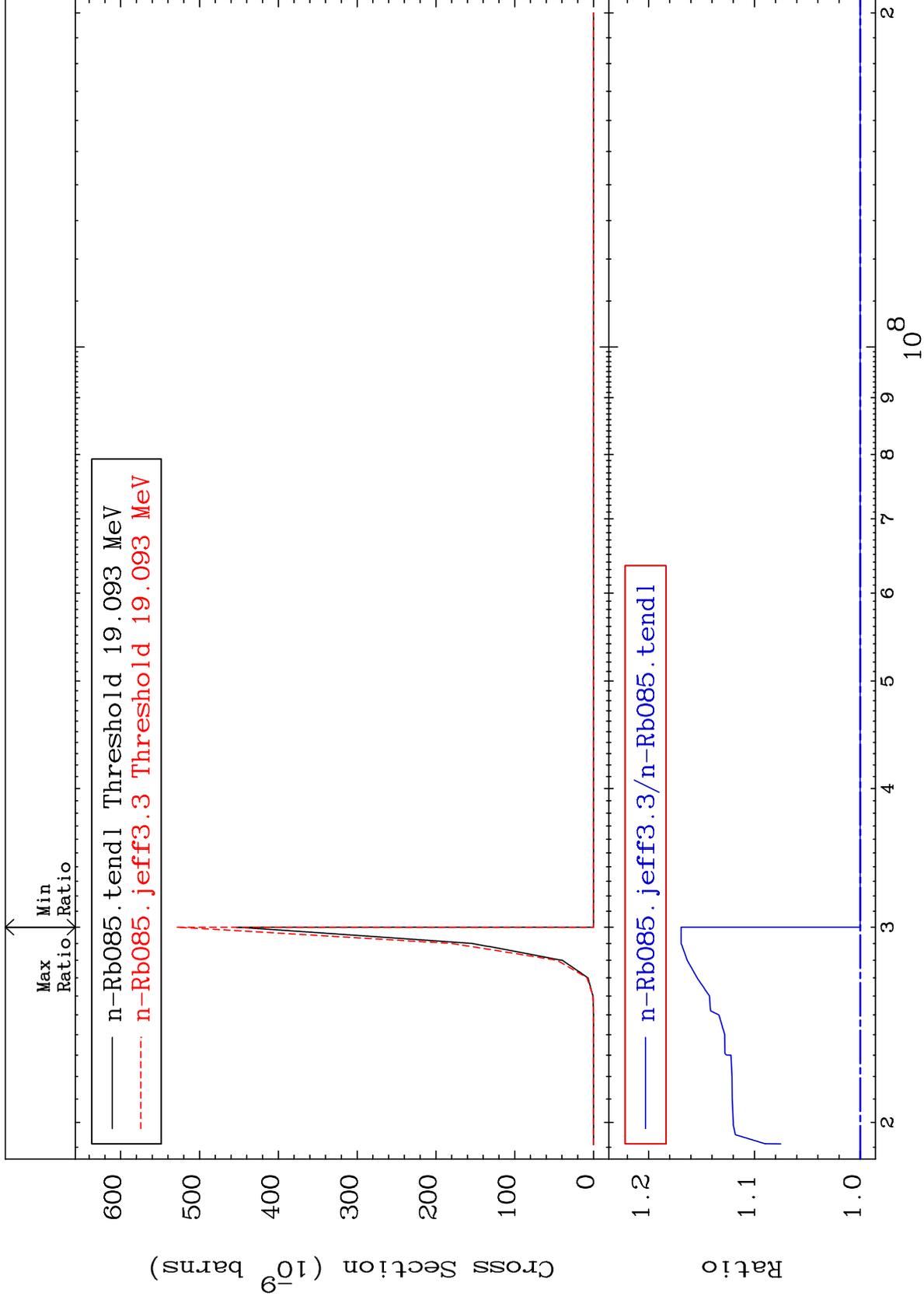
³⁷Rb-85

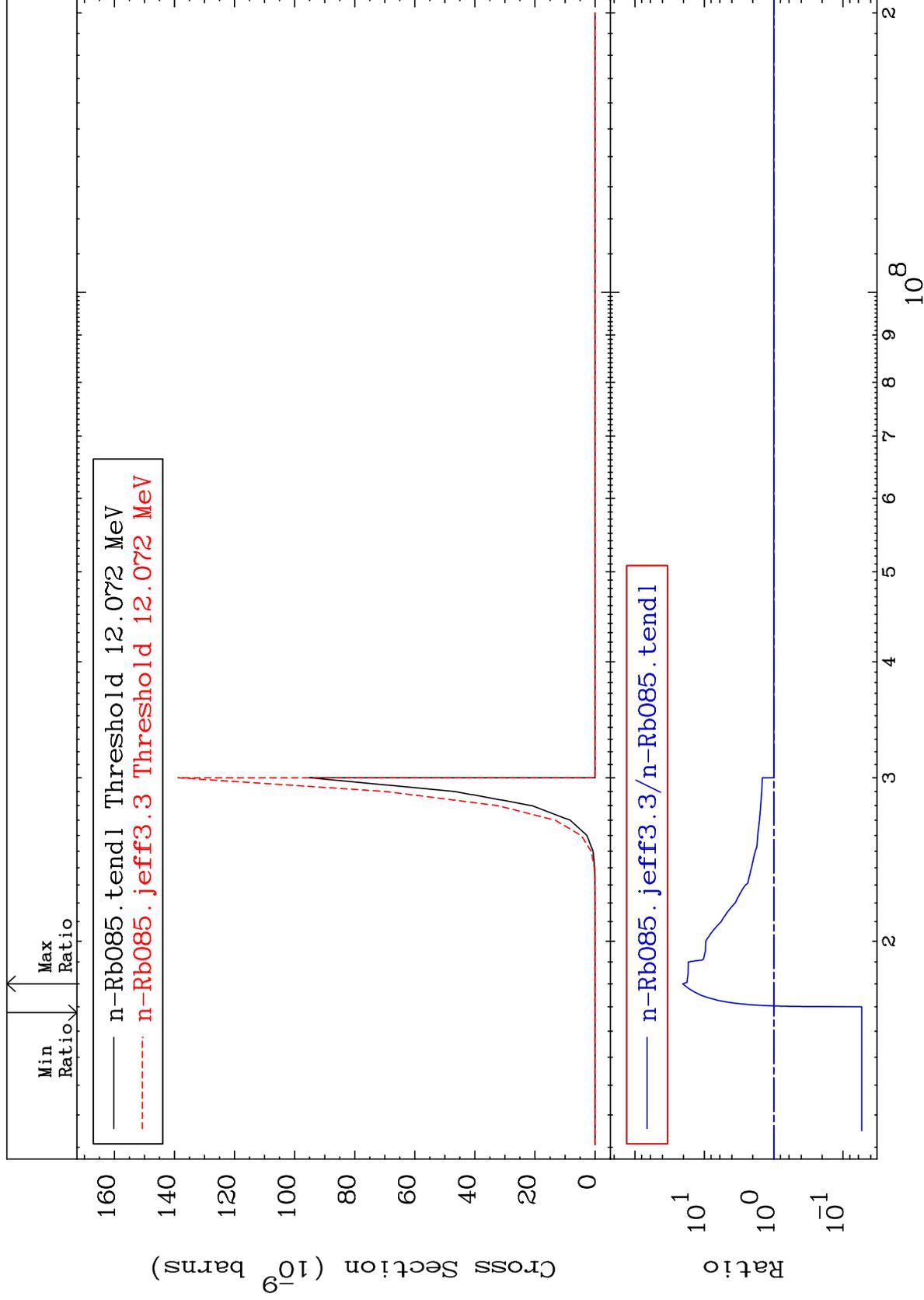


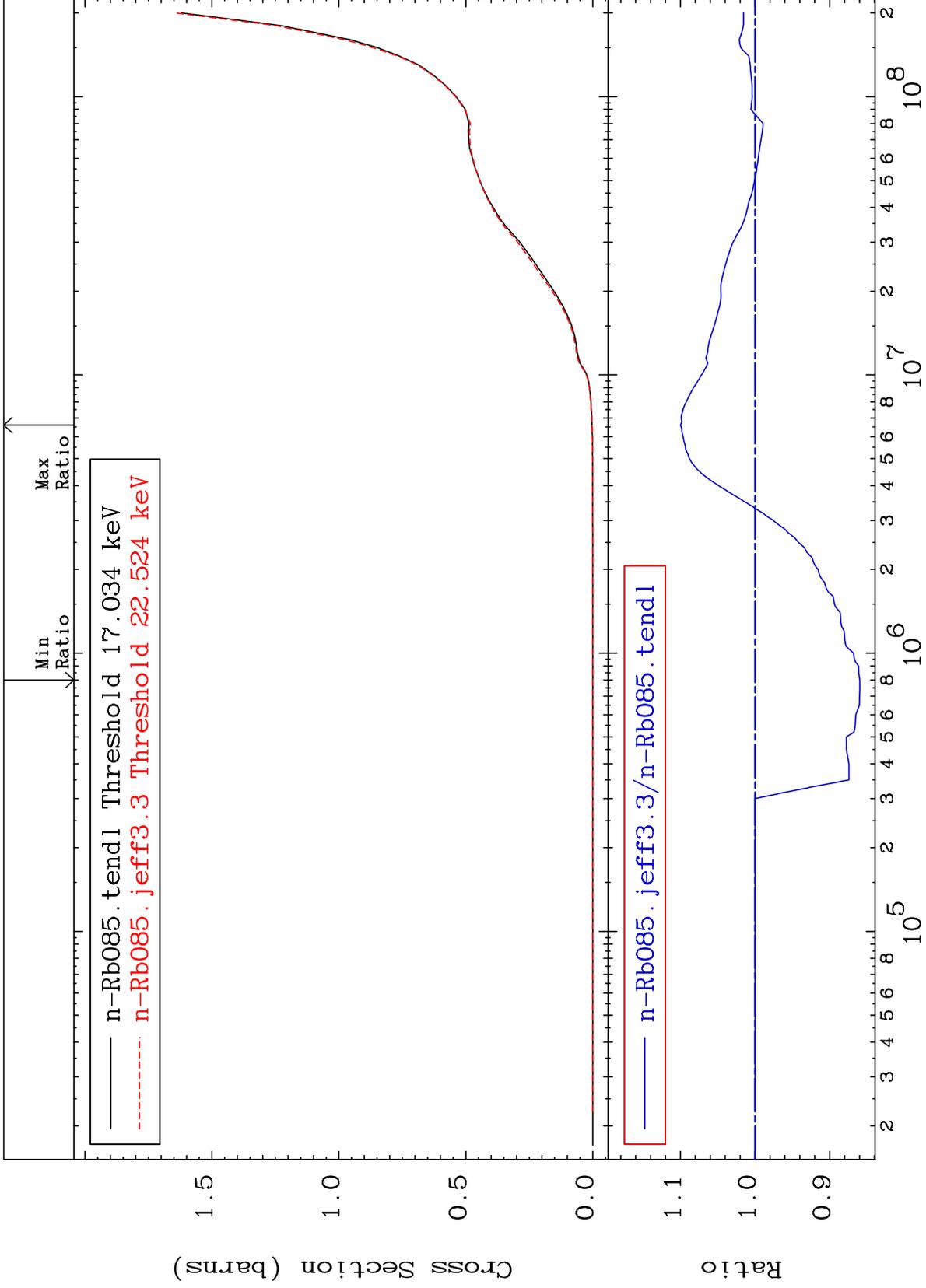
MAT 3725

(n,p) t
Cross Section

37-Rb-85
0.000 To 16.92 %



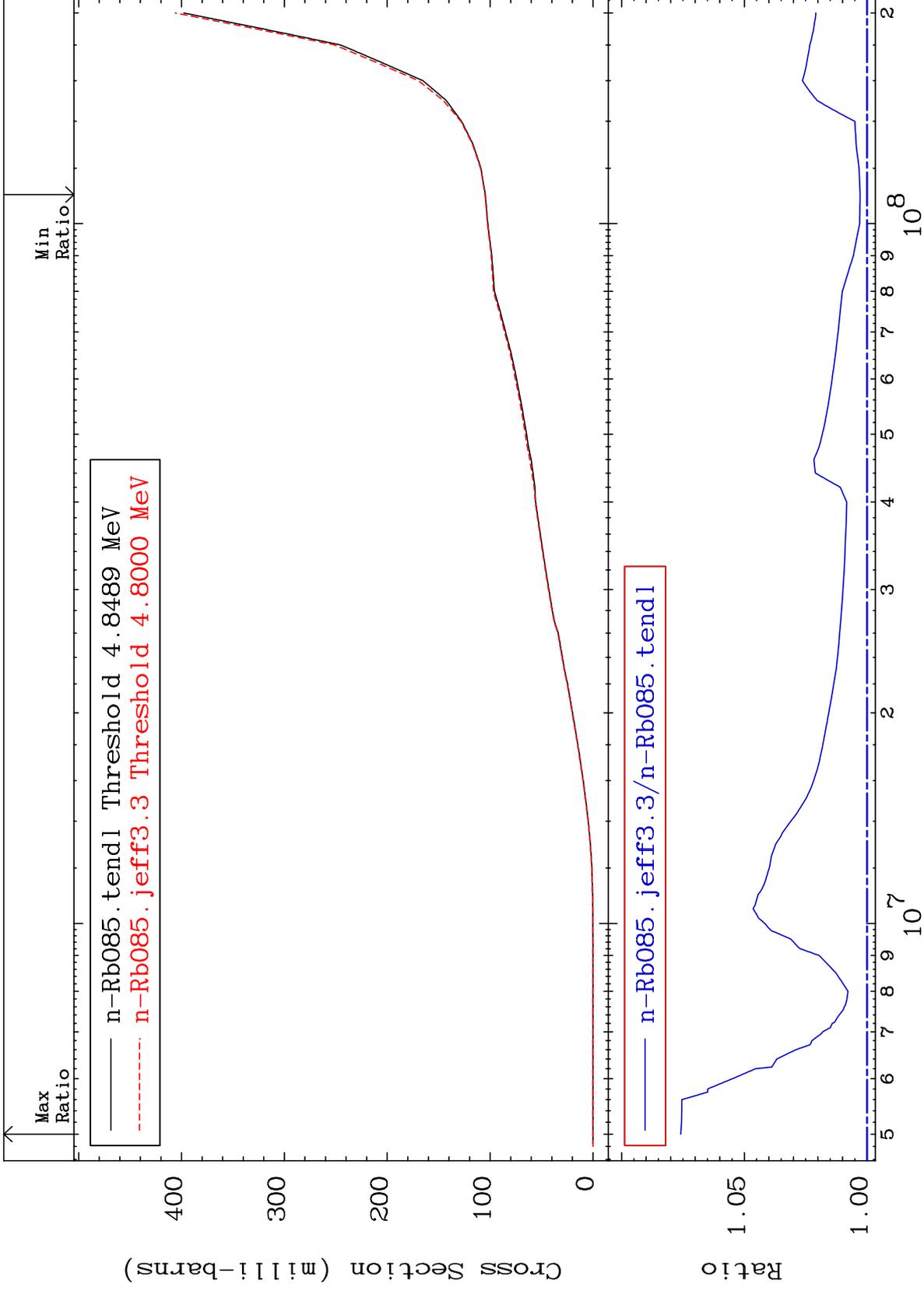




MAT 3725

Deuterium Production
Cross Section

³⁷Rb-85
To 7.589 %
0.284



62

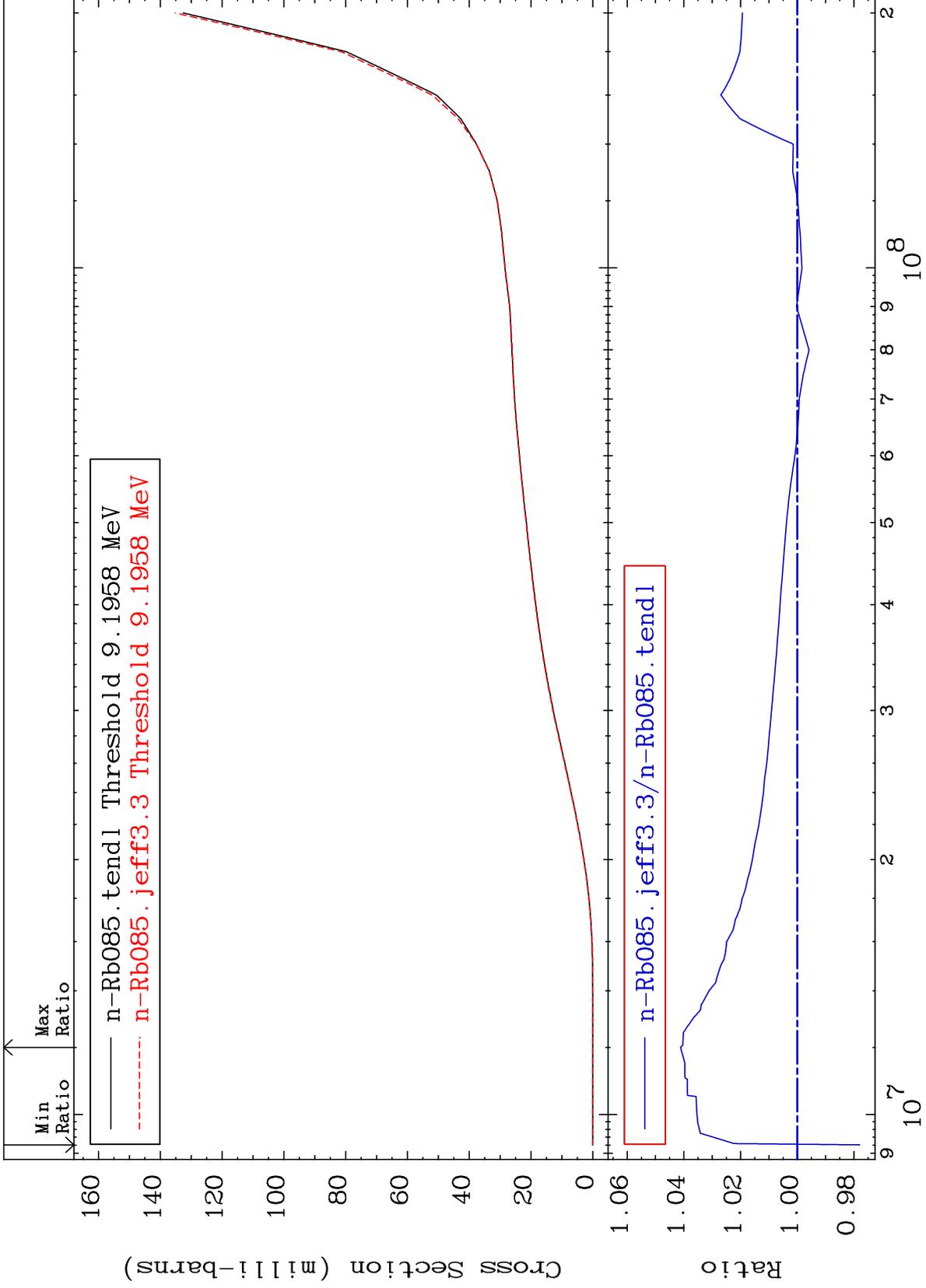
Incident Energy (eV)

³⁷Rb-85

MAT 3725

Tritium Production
Cross Section

³⁷Rb-85
-2.205 To 4.119 %



63

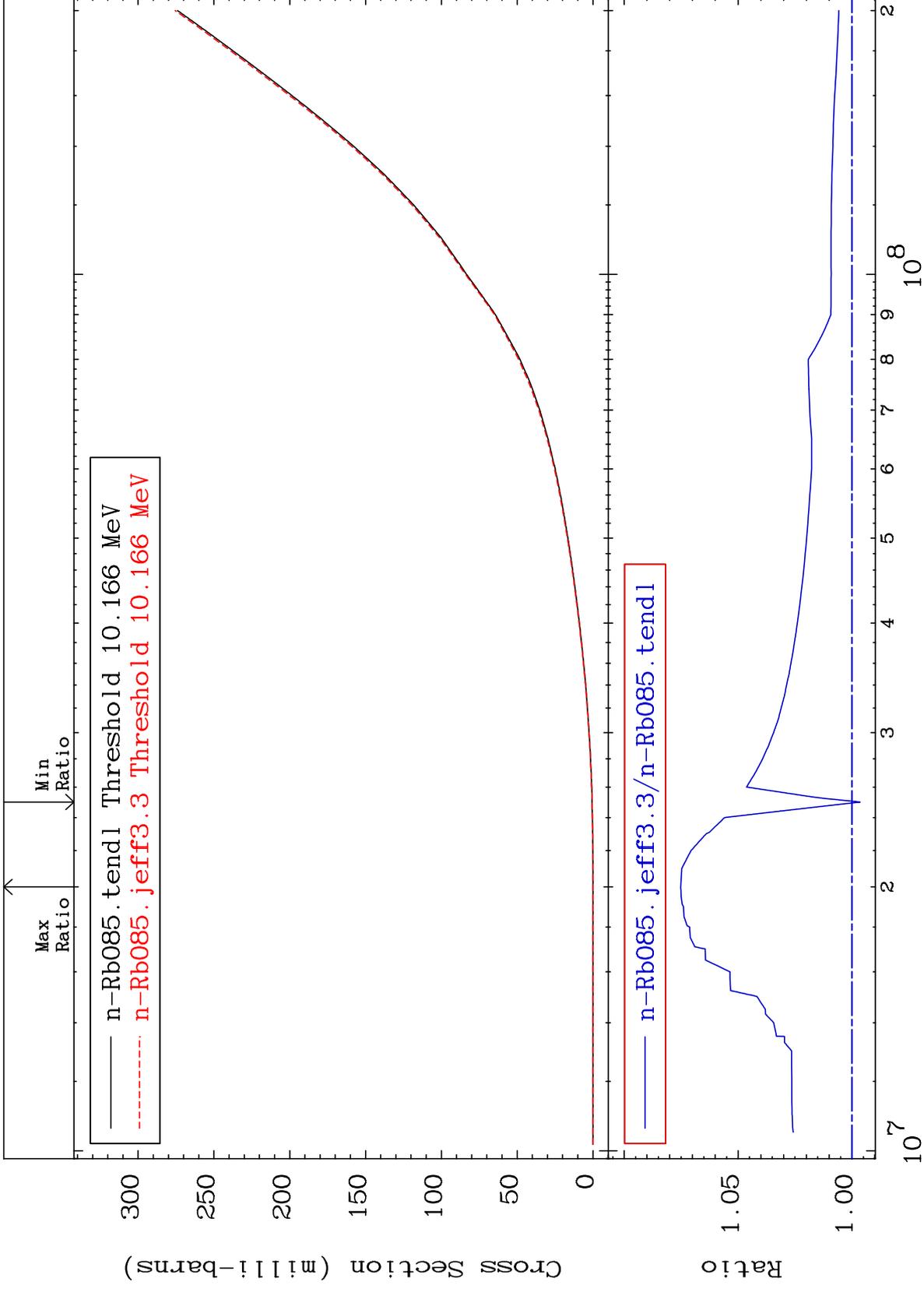
Incident Energy (eV)

³⁷Rb-85

MAT 3725

He-3 Production
Cross Section

37-Rb-85
-0.357 To 7.515 %



64

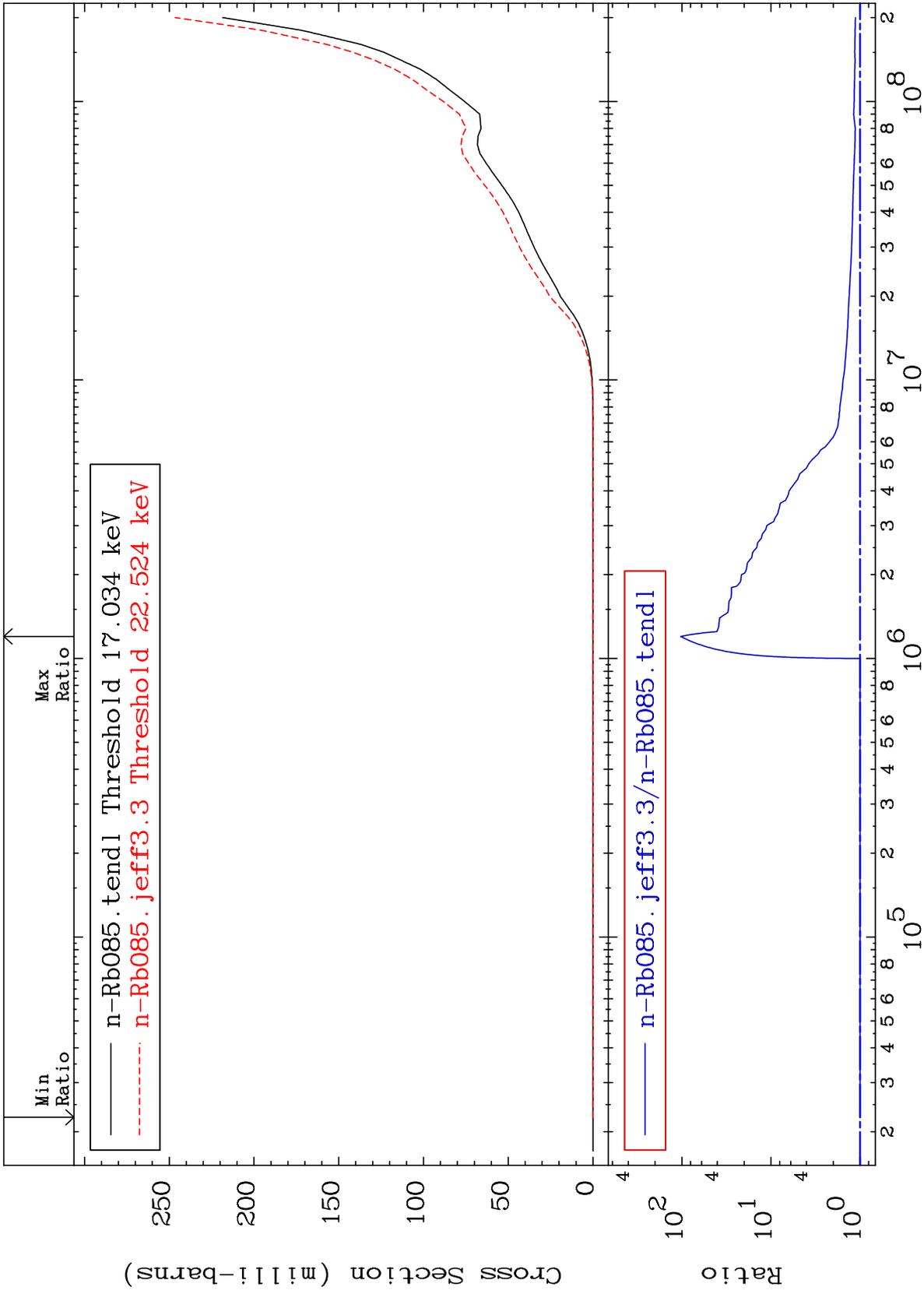
Incident Energy (eV)

37-Rb-85

MAT 3725

He-4 Production
Cross Section

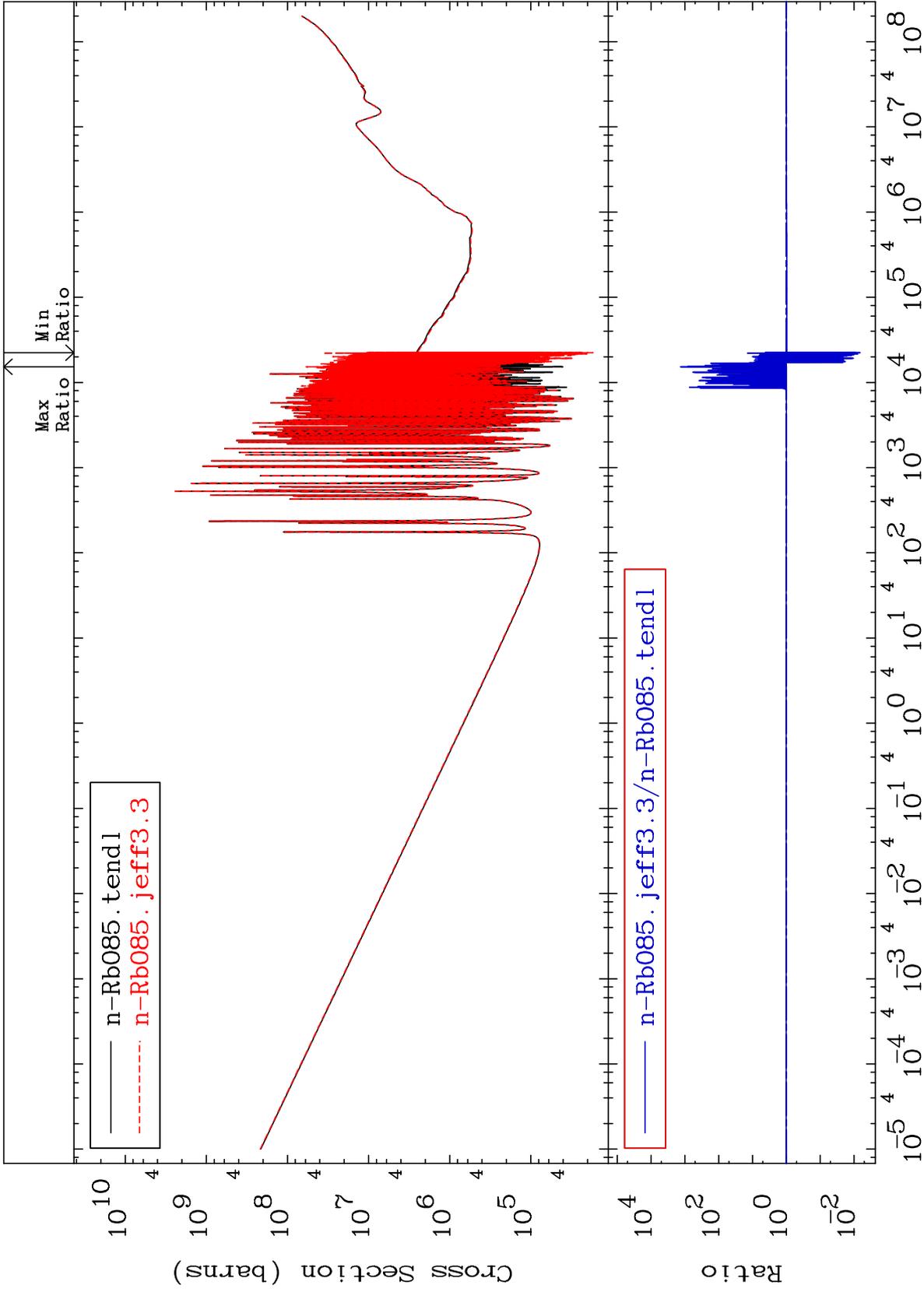
37-Rb-85
0.000 To 9999. %

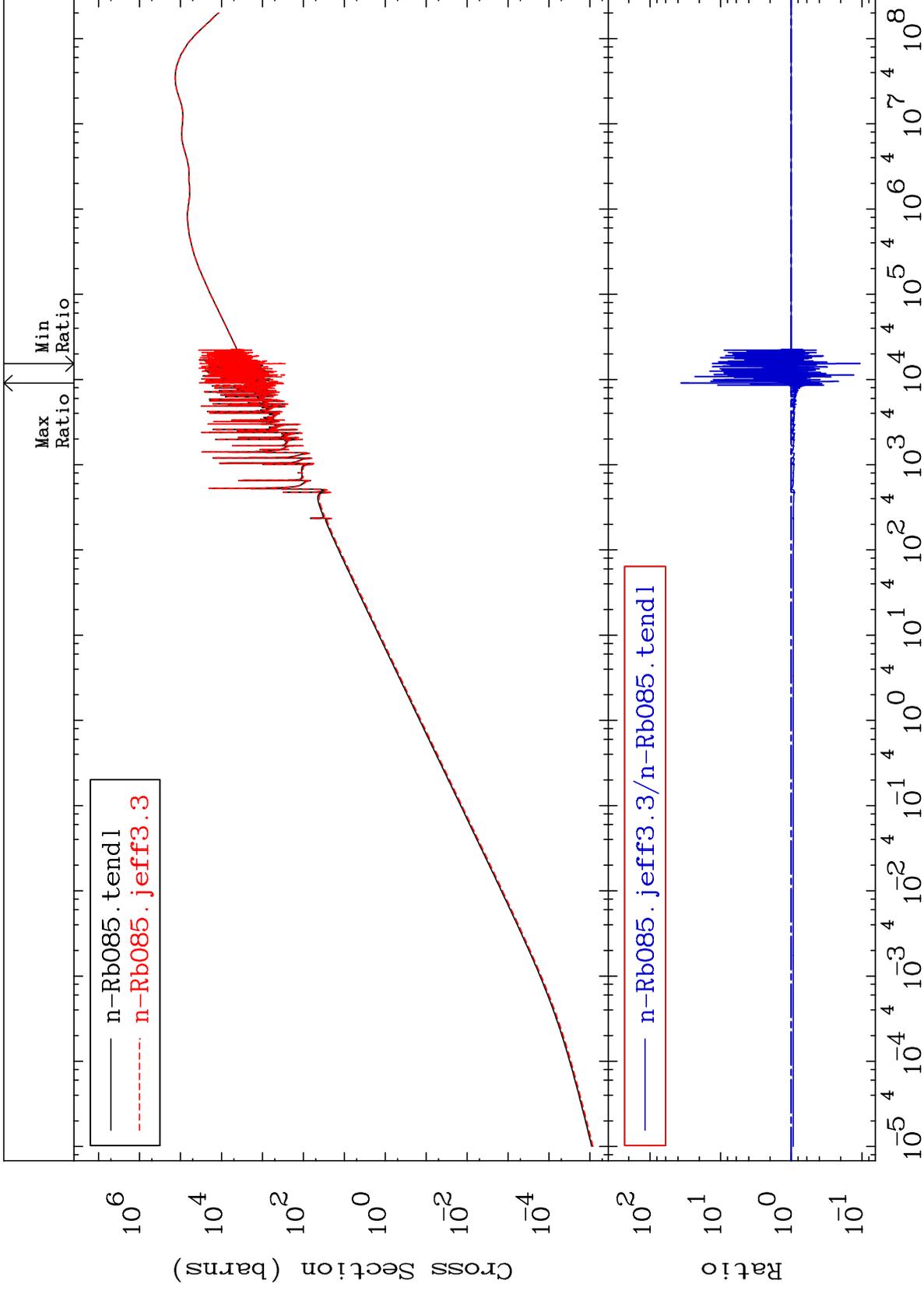


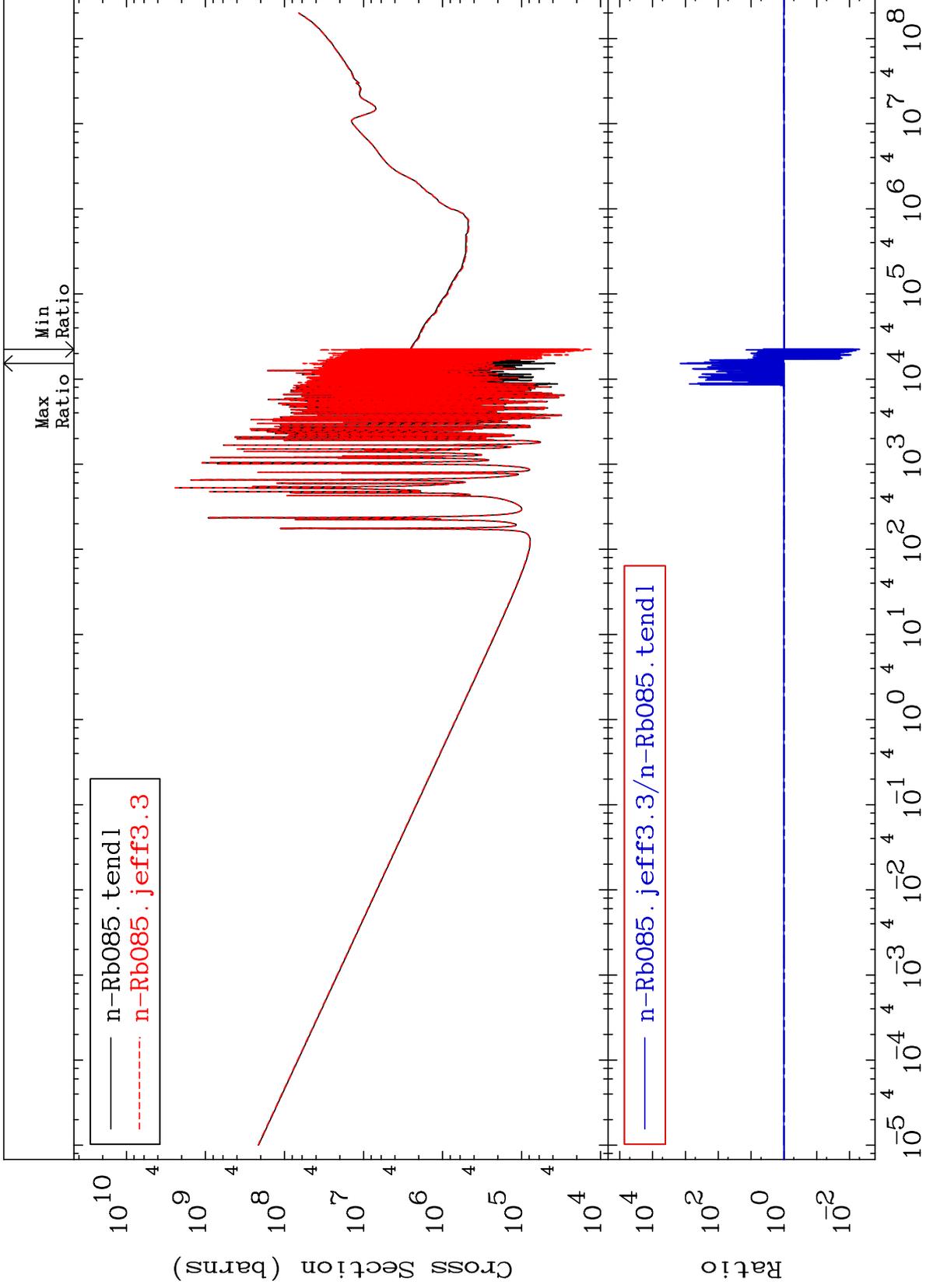
65

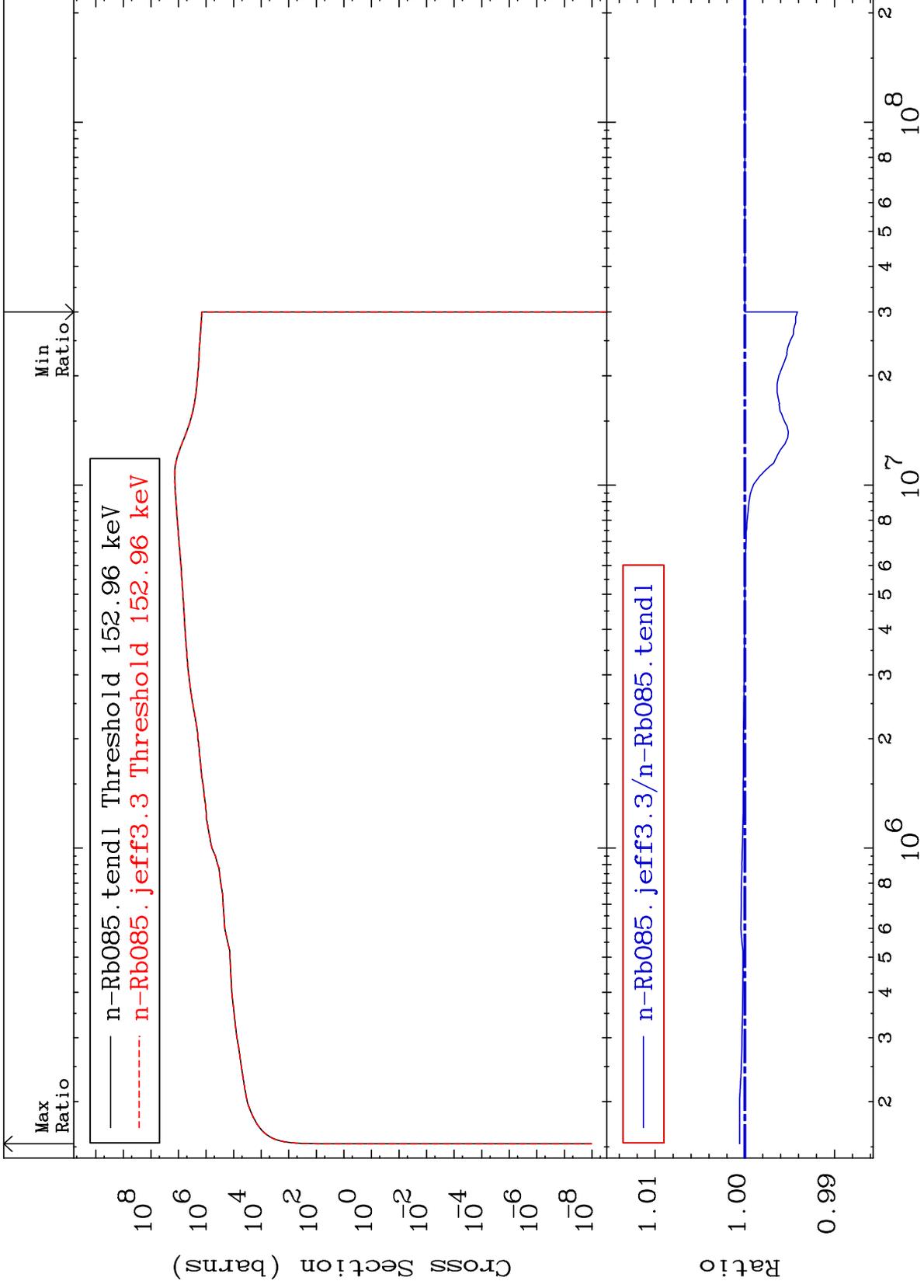
Incident Energy (eV)

37-Rb-85





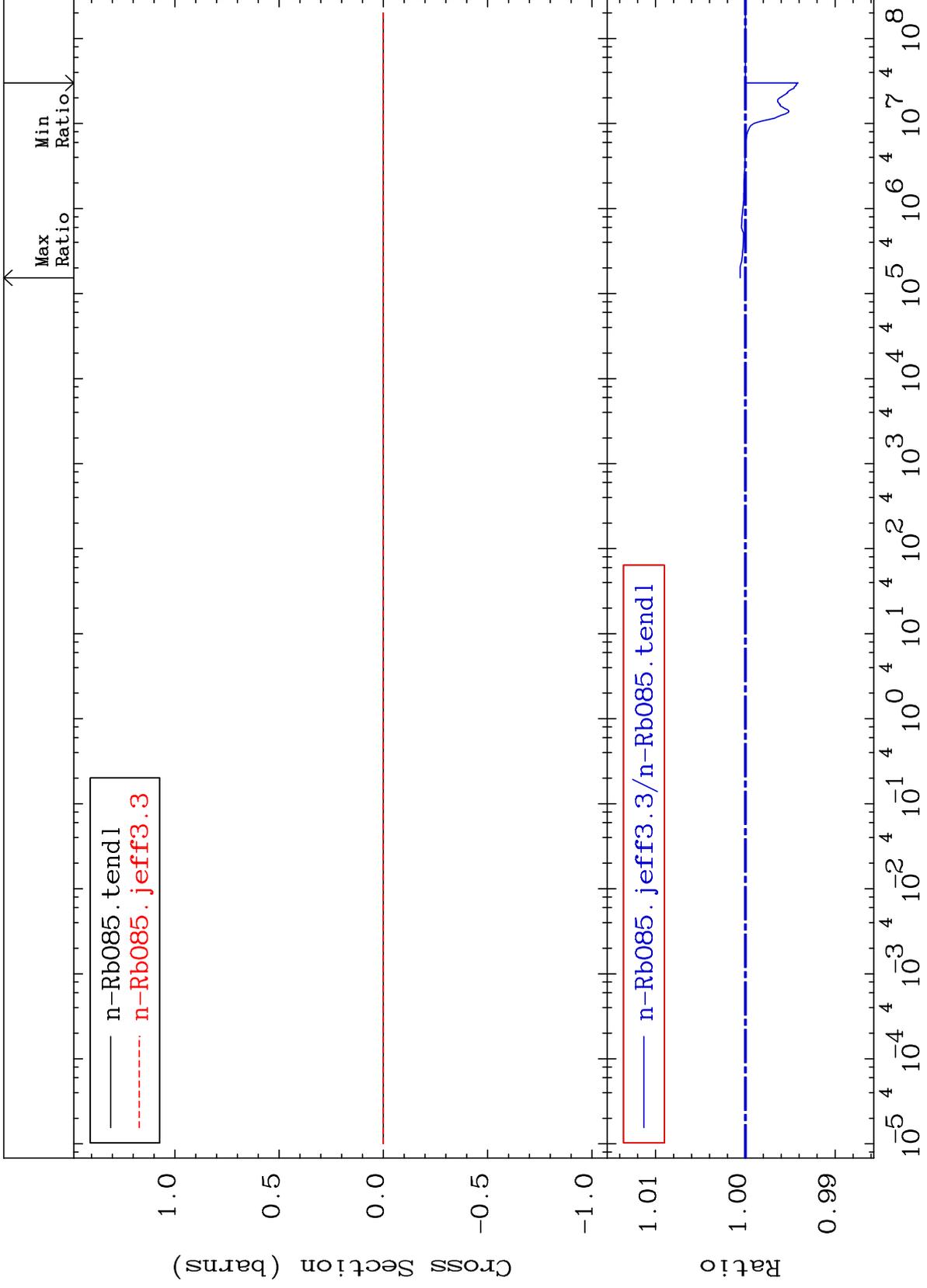




MAT 3725

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

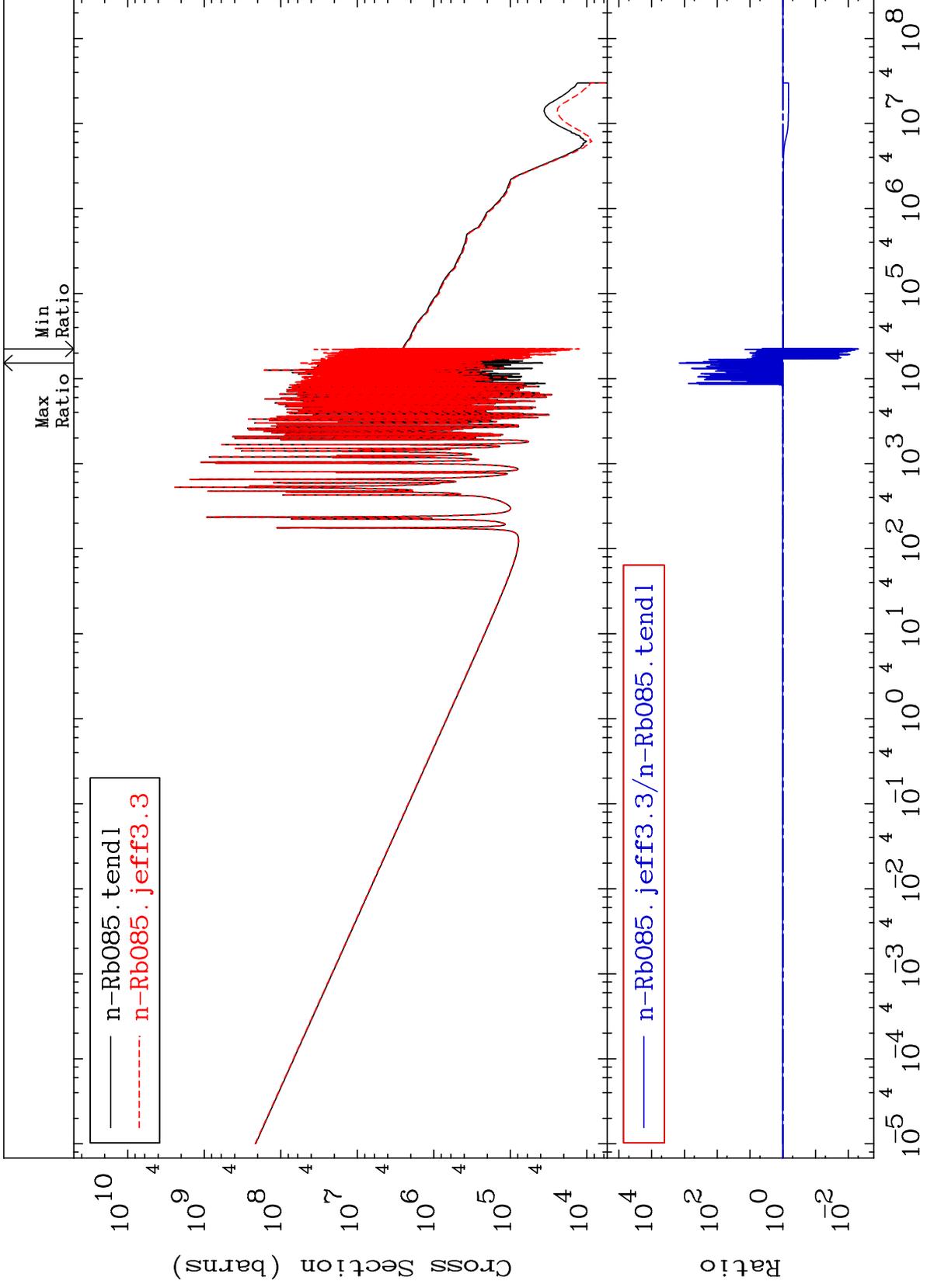
37-Rb-85
-0.587 To 0.059 %

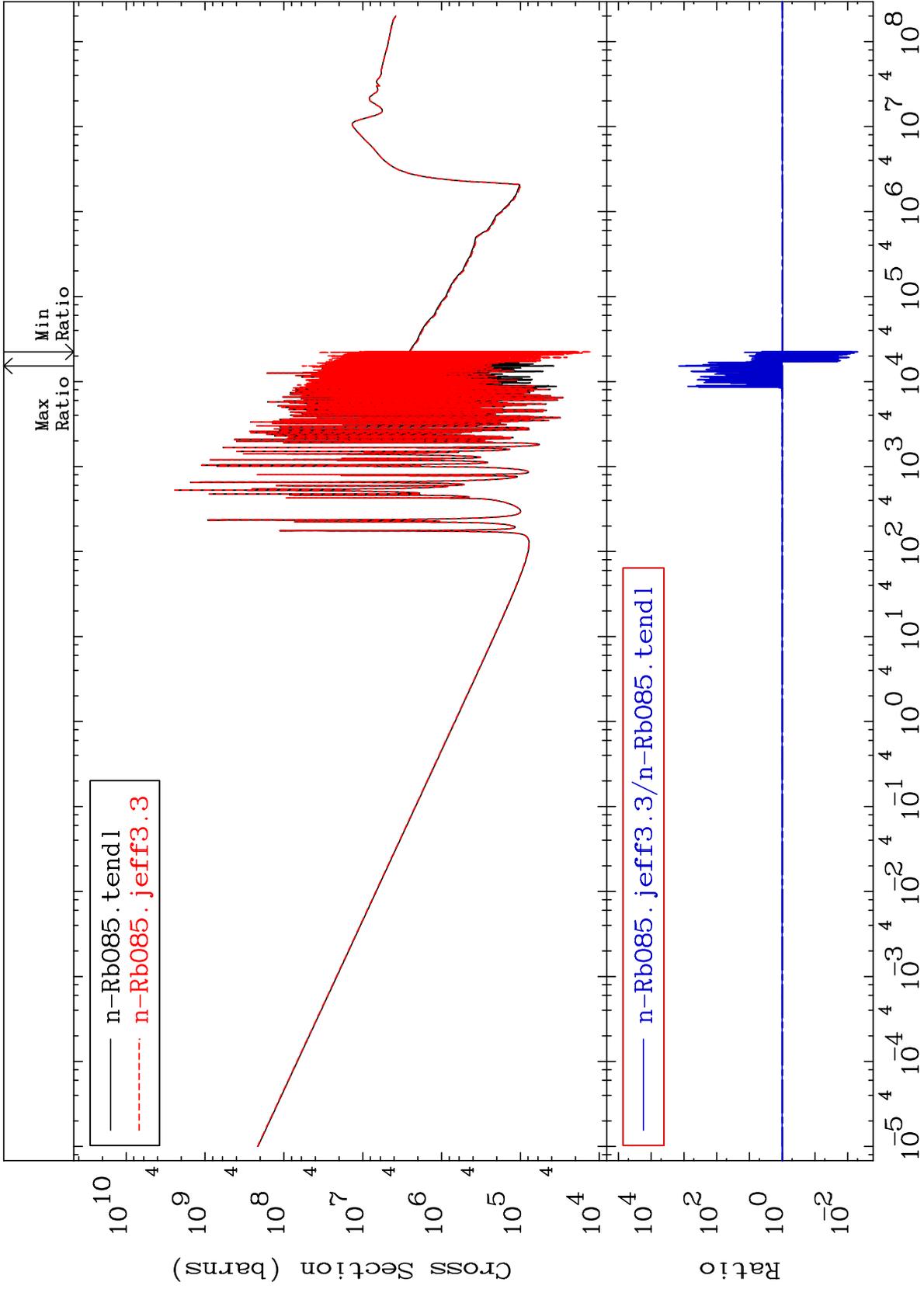


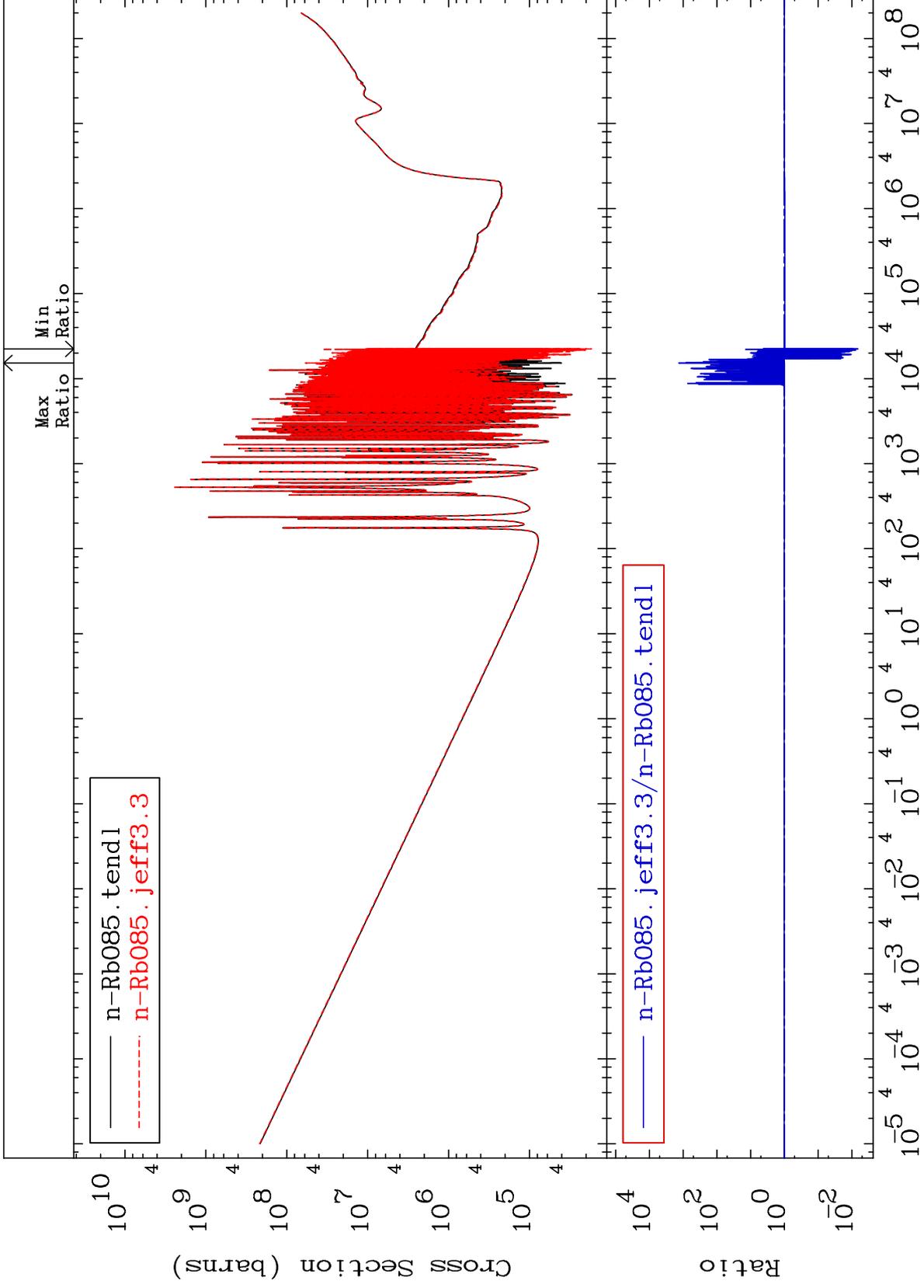
70

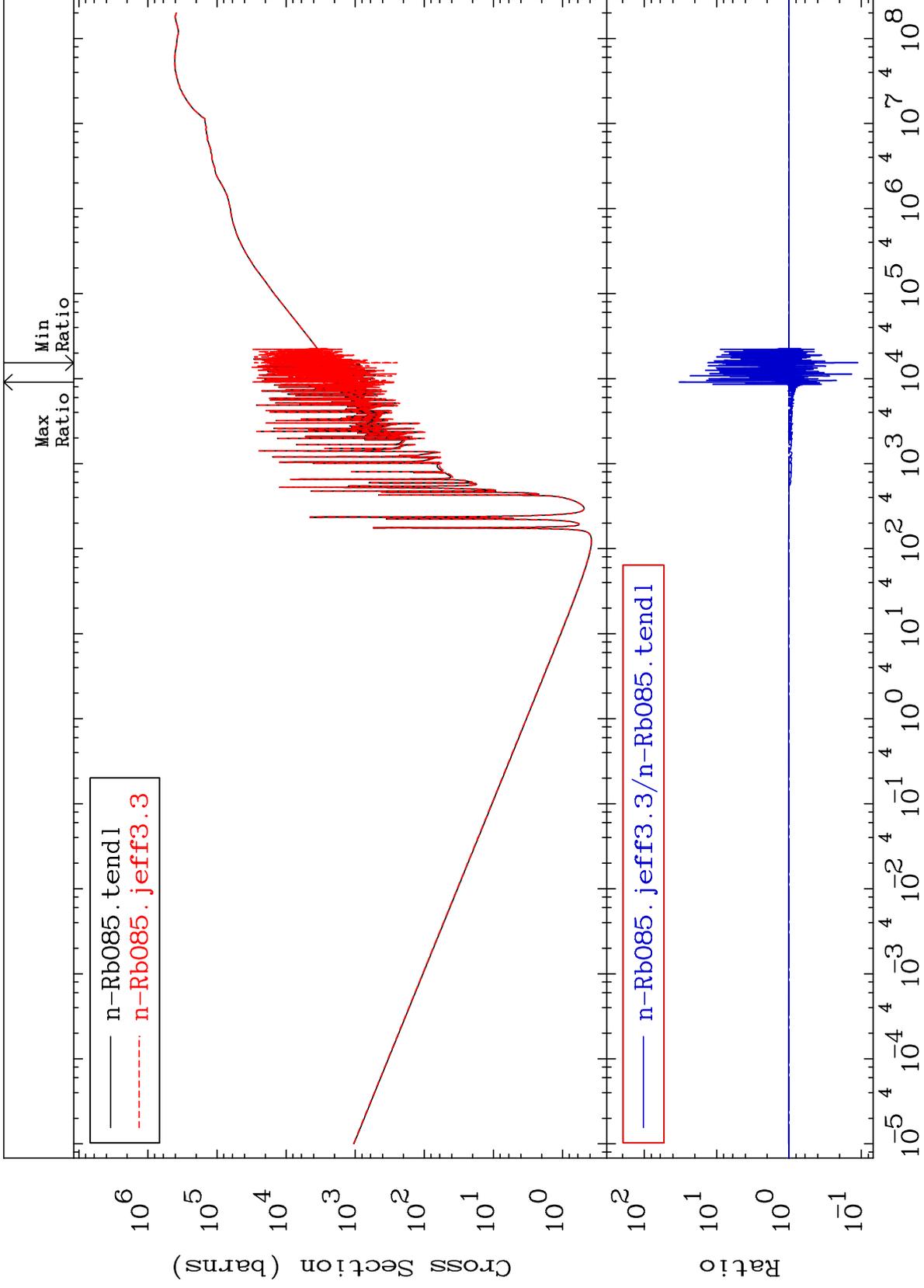
Incident Energy (eV)

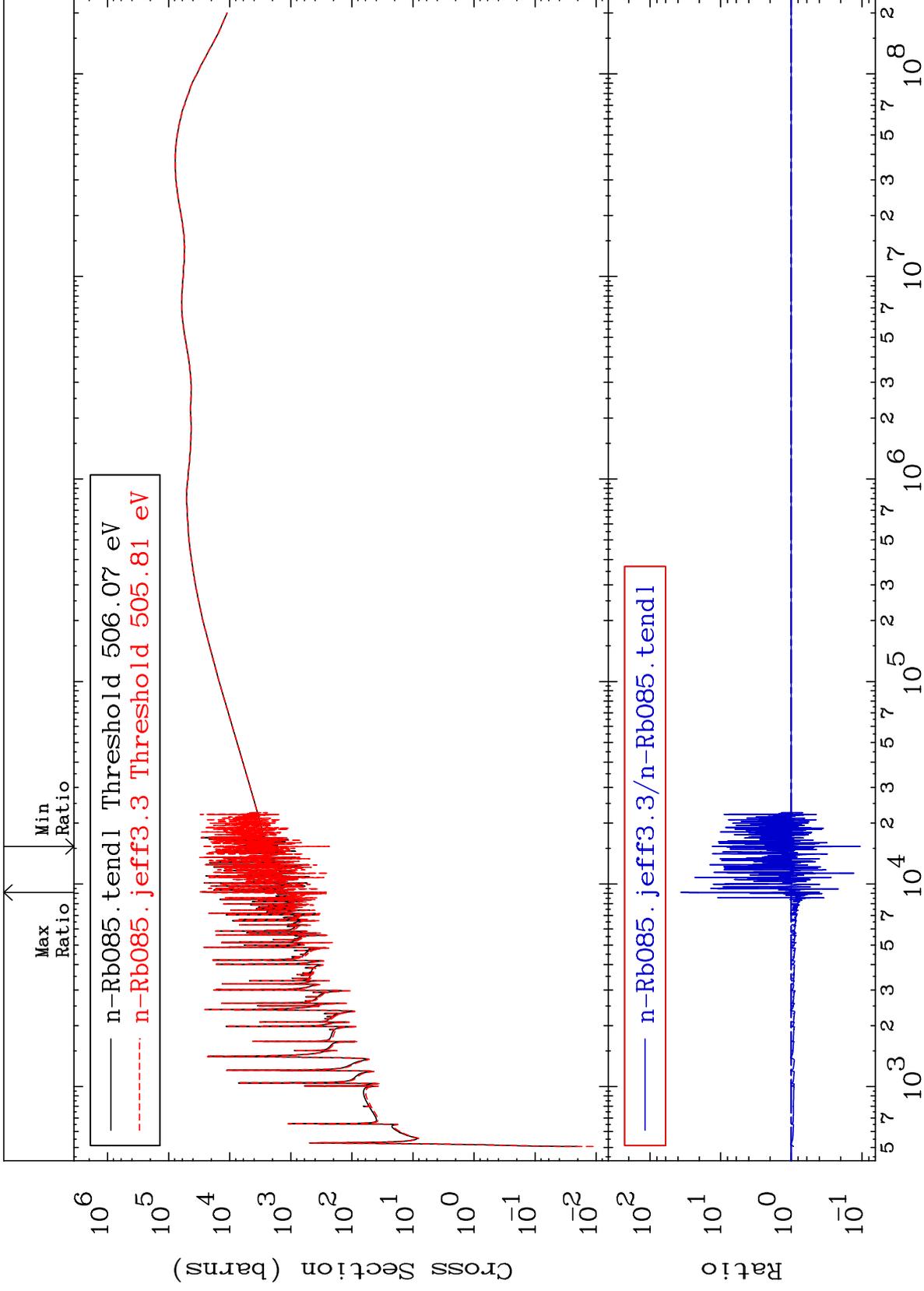
37-Rb-85

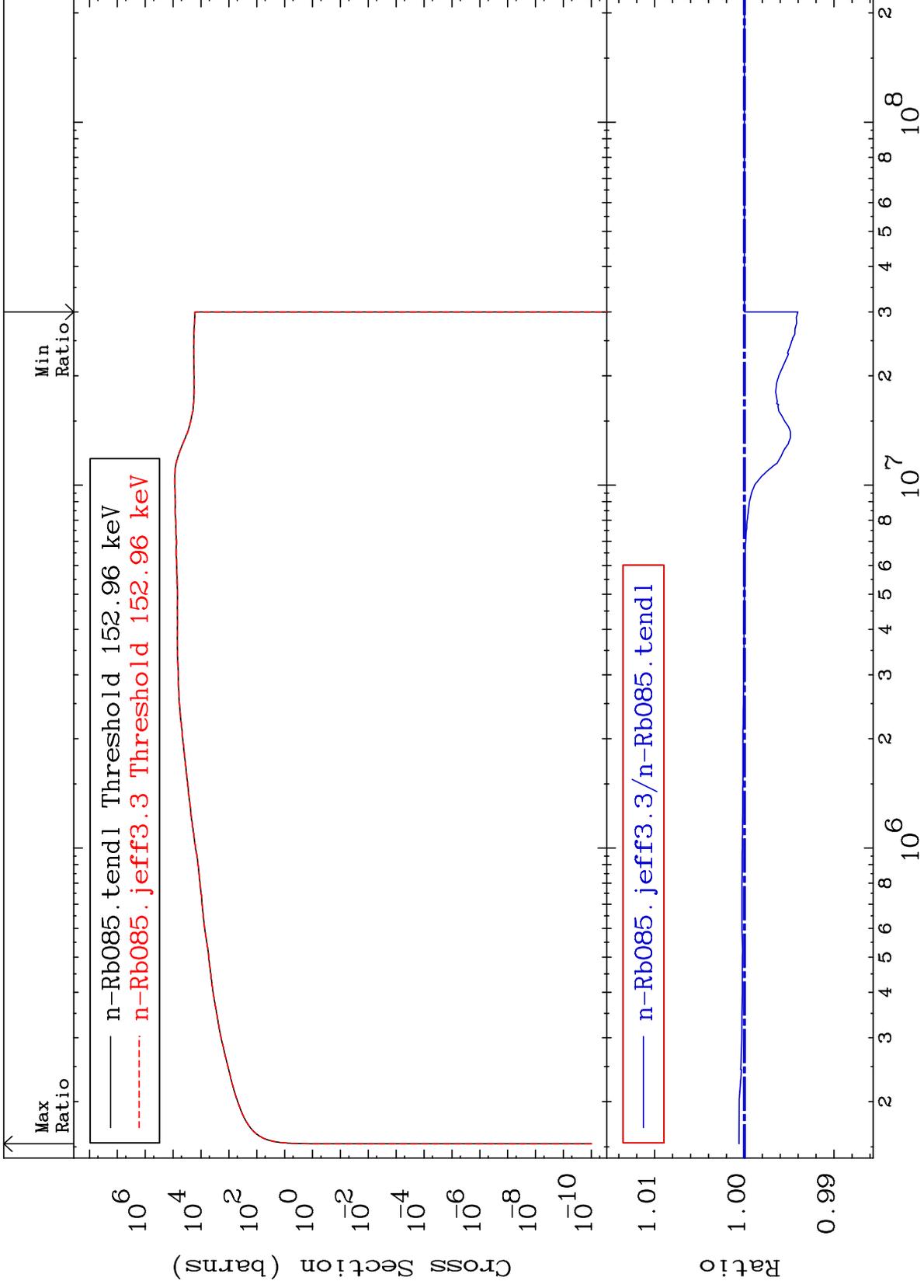


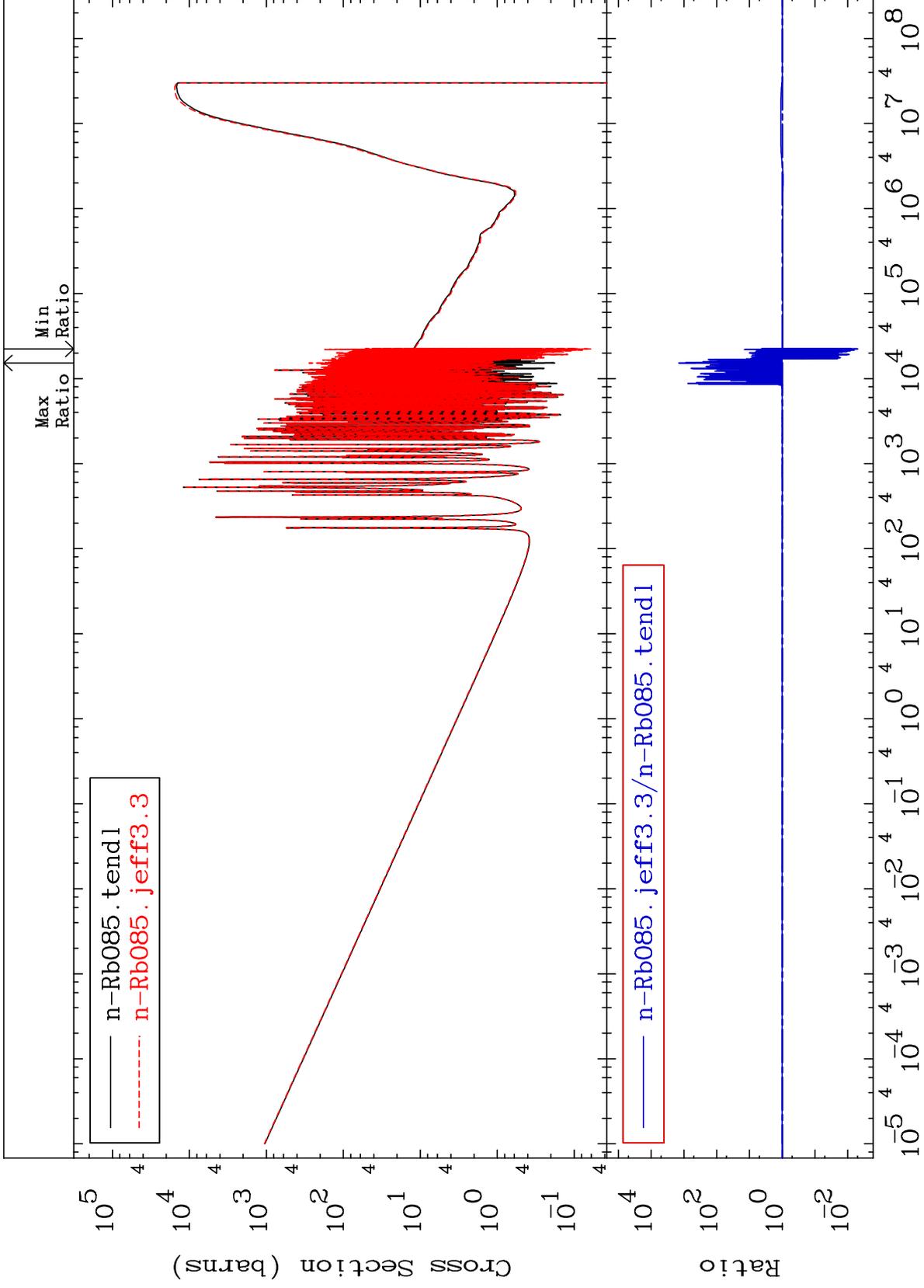




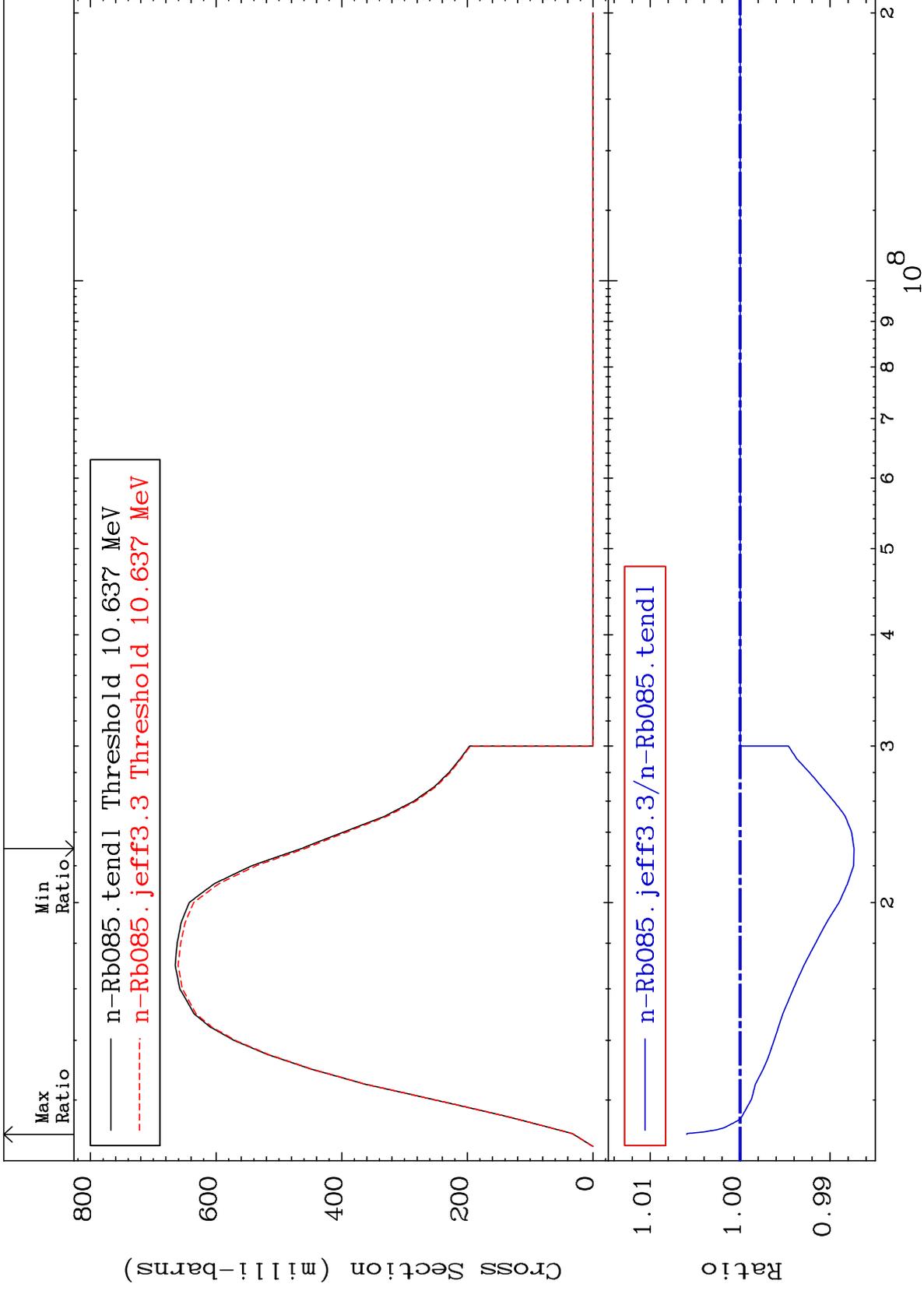




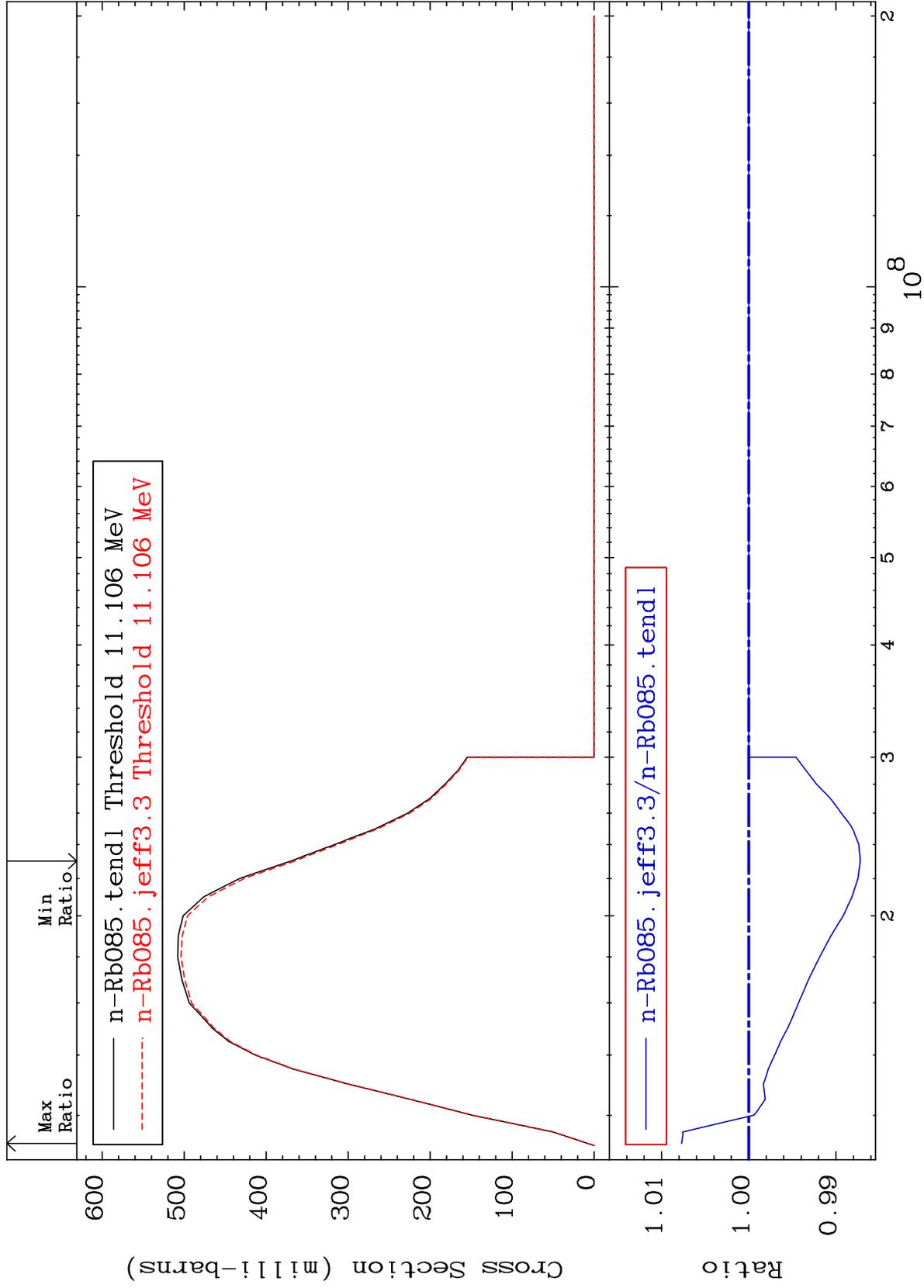




Radionuclide Production Cross Section -1.265 To 0.592 %



Radionuclide Production Cross Section -1.279 To 0.771 %

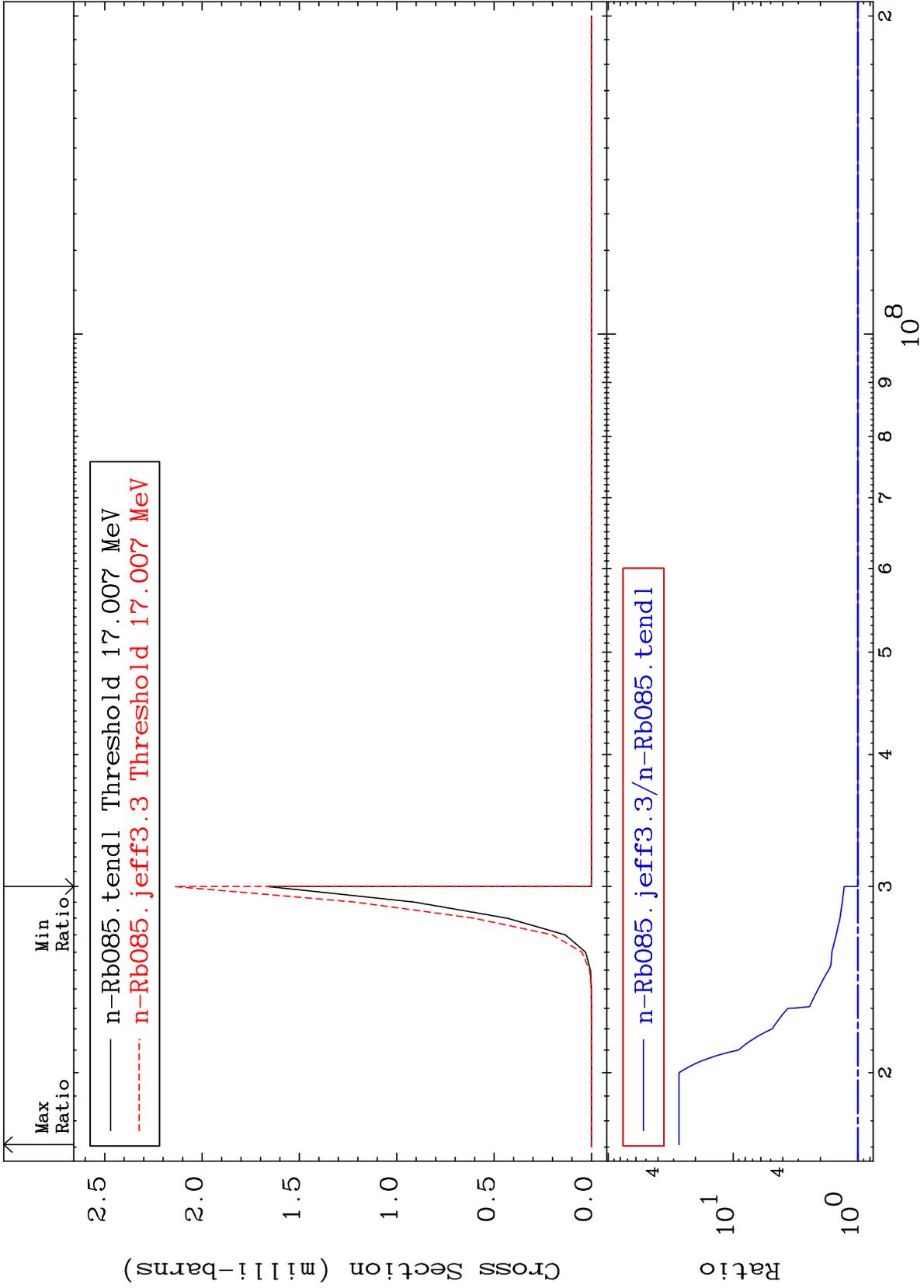


MAT 3725

(n,2n) α :35-Br-80g

37-Rb-85

Radionuclide Production Cross Section 0.000 To 2610. %

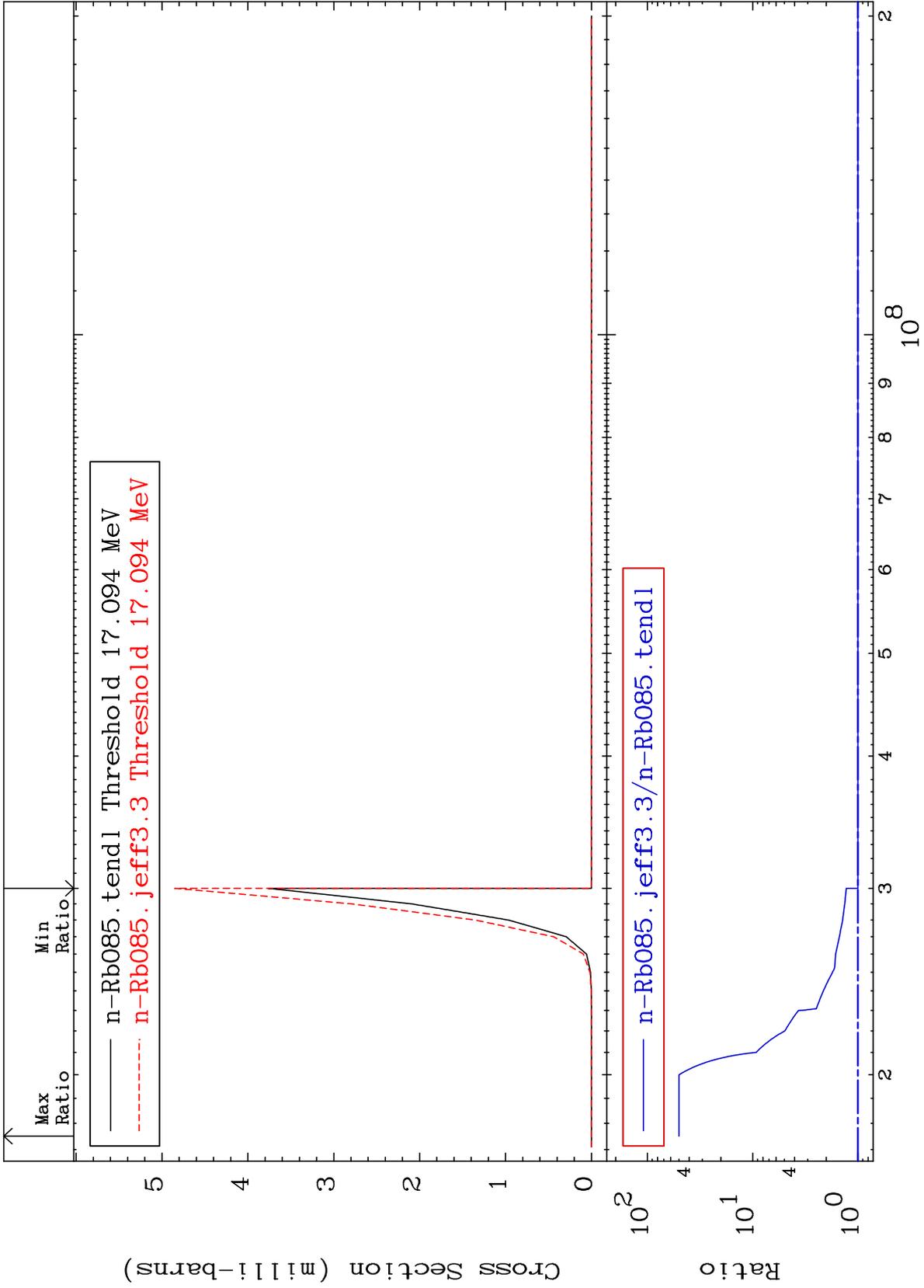


80

Incident Energy (eV)

37-Rb-85

Radionuclide Production Cross Section 0.000 To 4903. %

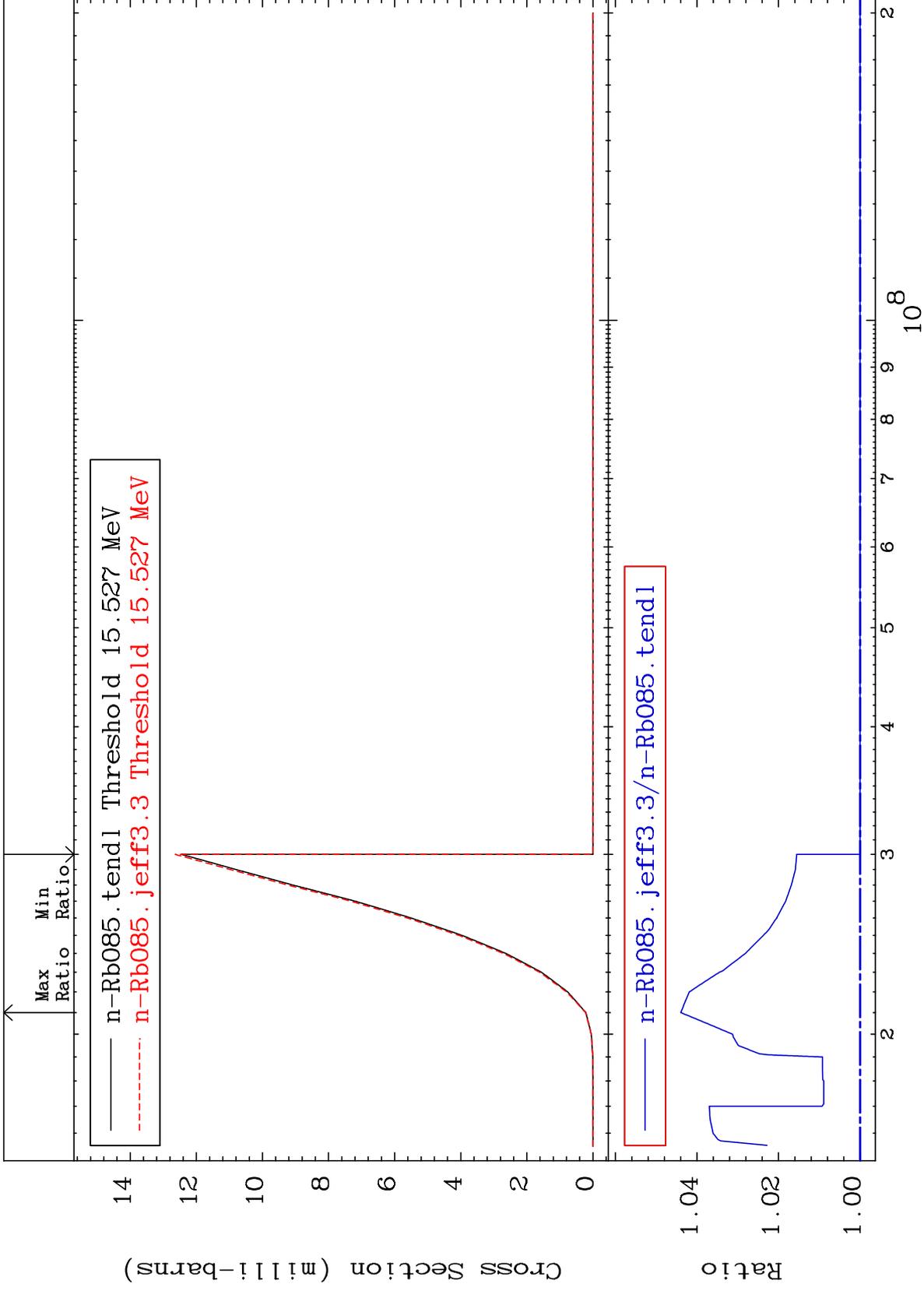


MAT 3725

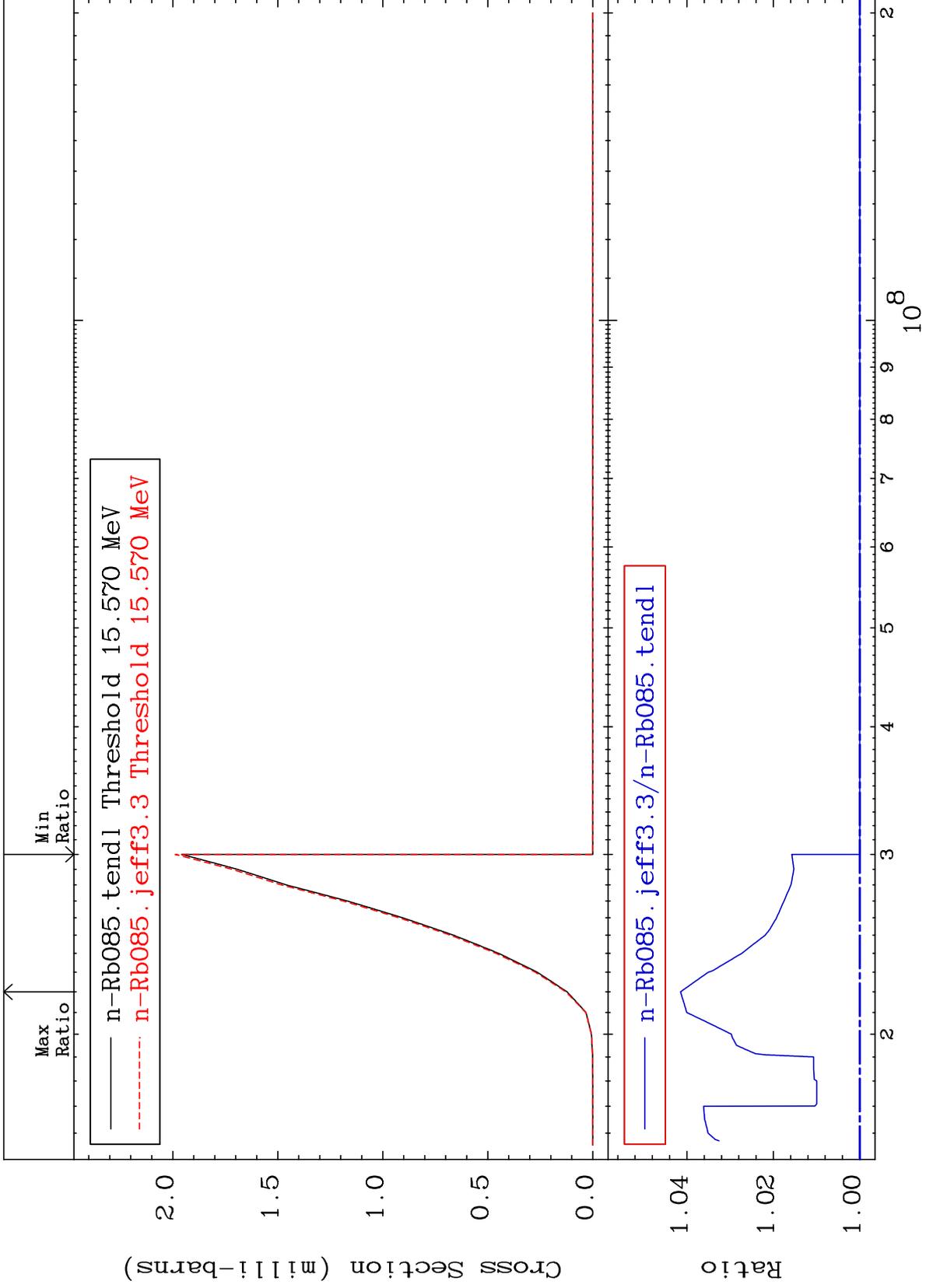
(n, n') d:36-Kr-83g

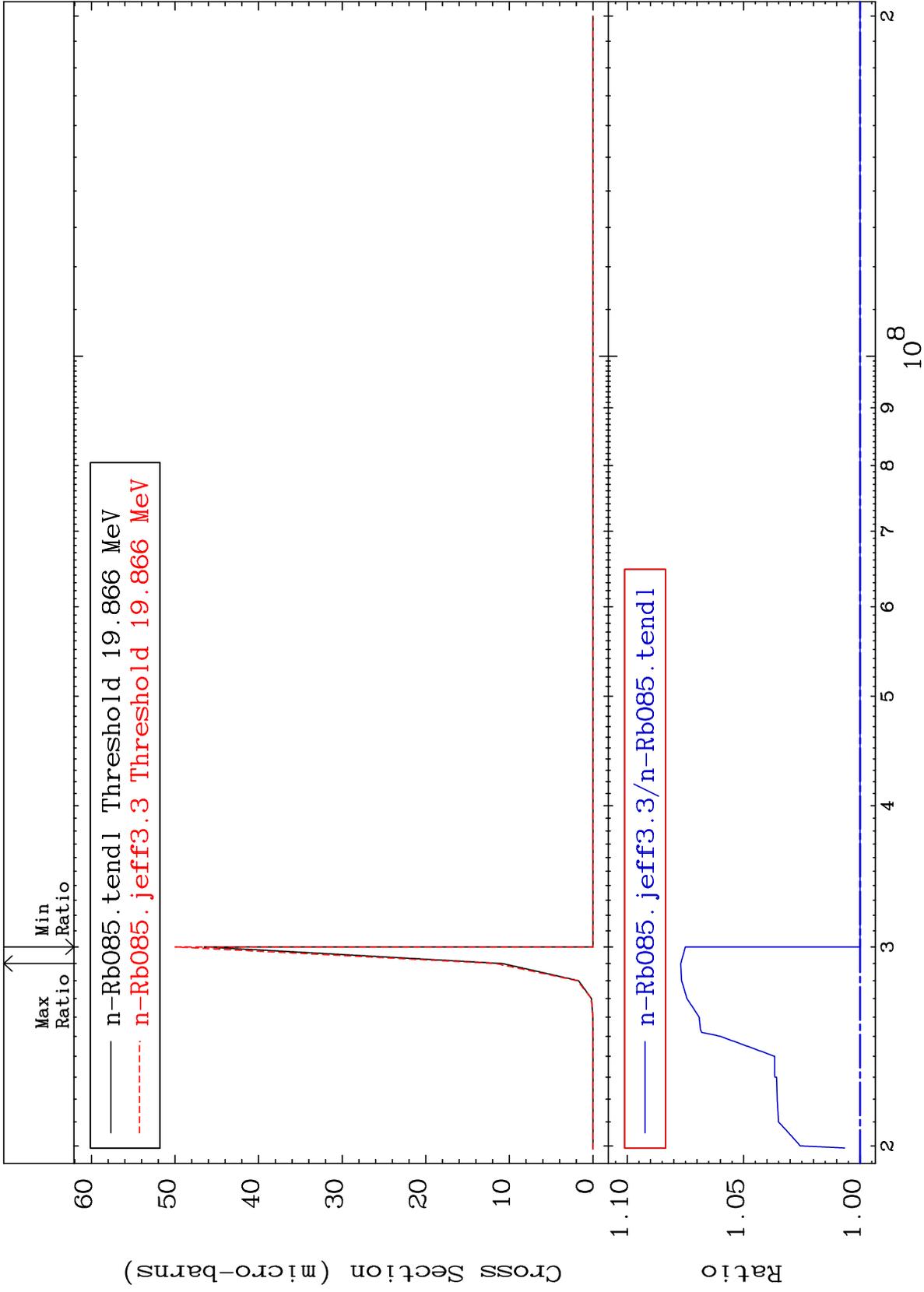
37-Rb-85

Radionuclide Production Cross Section 0.000 To 4.398 %



Radionuclide Production Cross Section 0.000 To 4.148 %



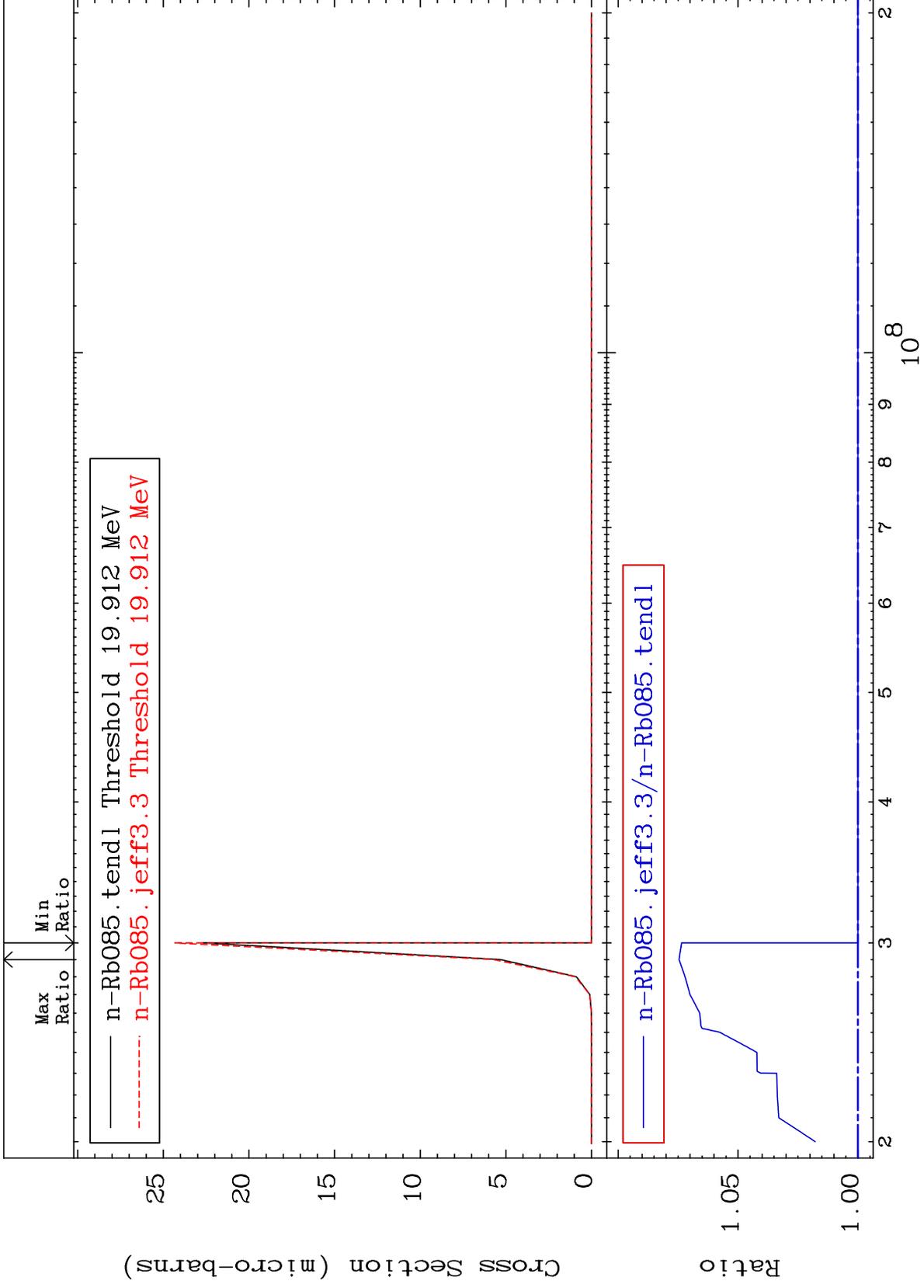


MAT 3725

(n, n') He-3:35-Br-82m1

37-Rb-85

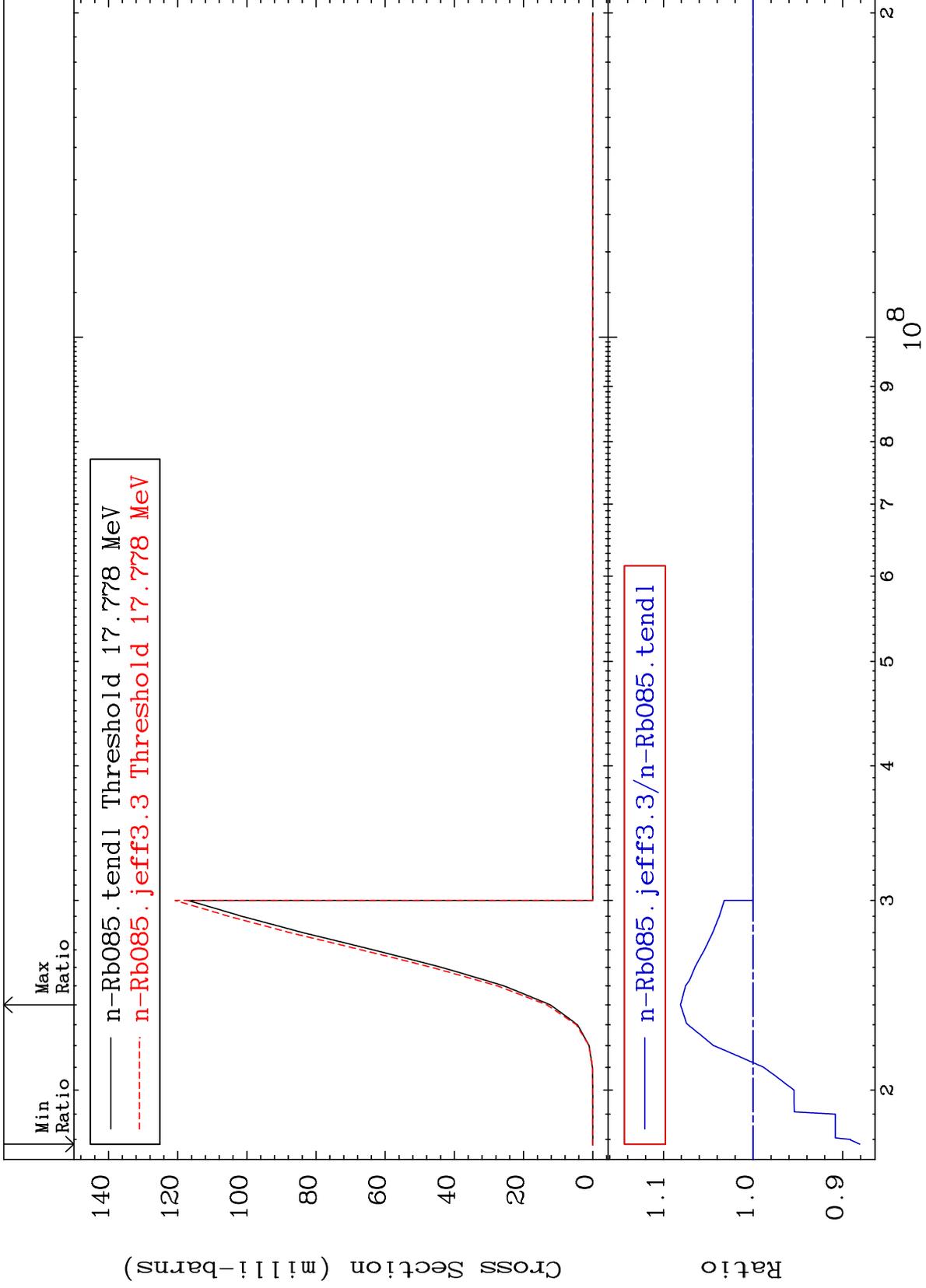
Radionuclide Production Cross Section 0.000 To 7.460 %

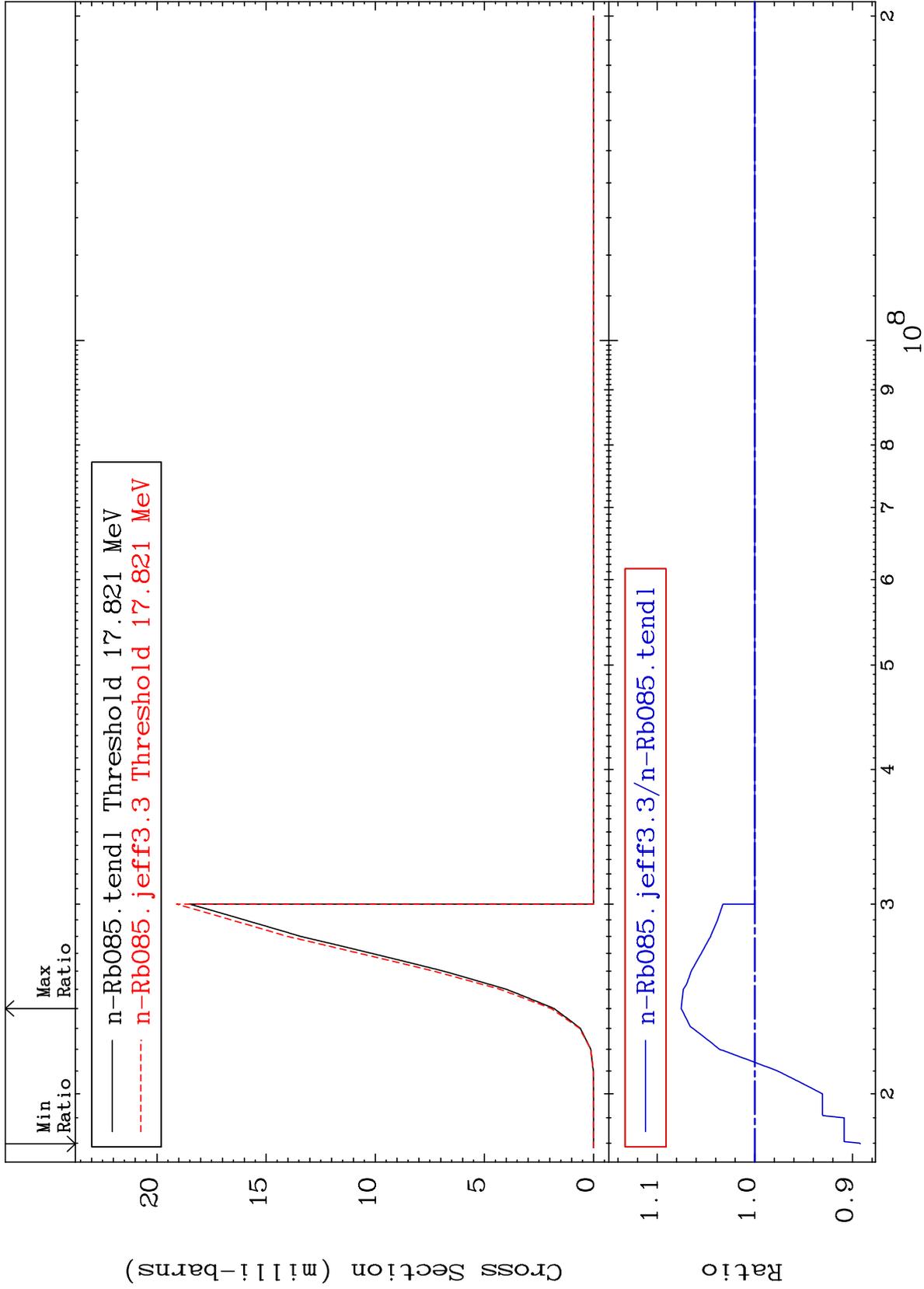


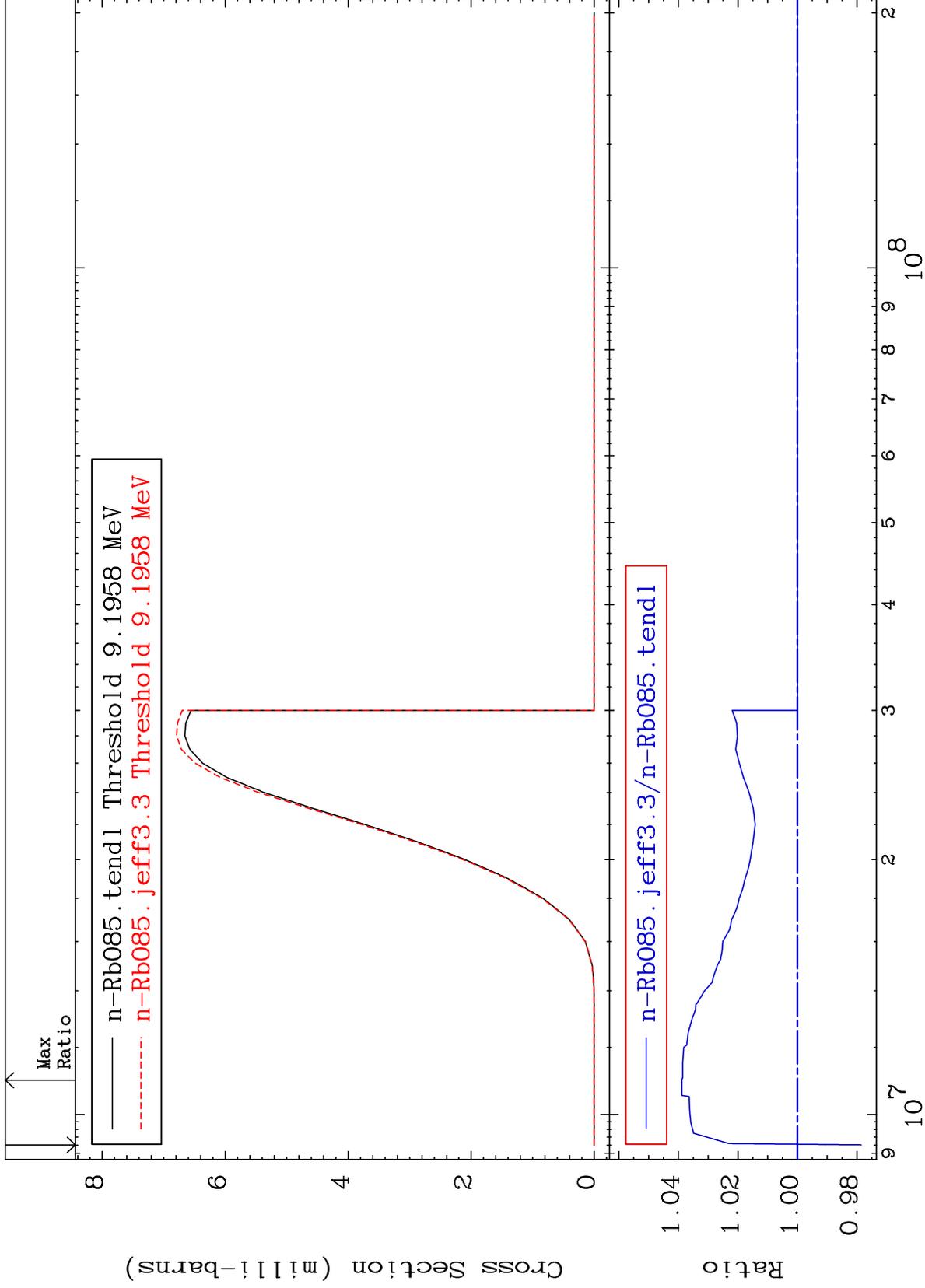
85

Incident Energy (eV)

37-Rb-85





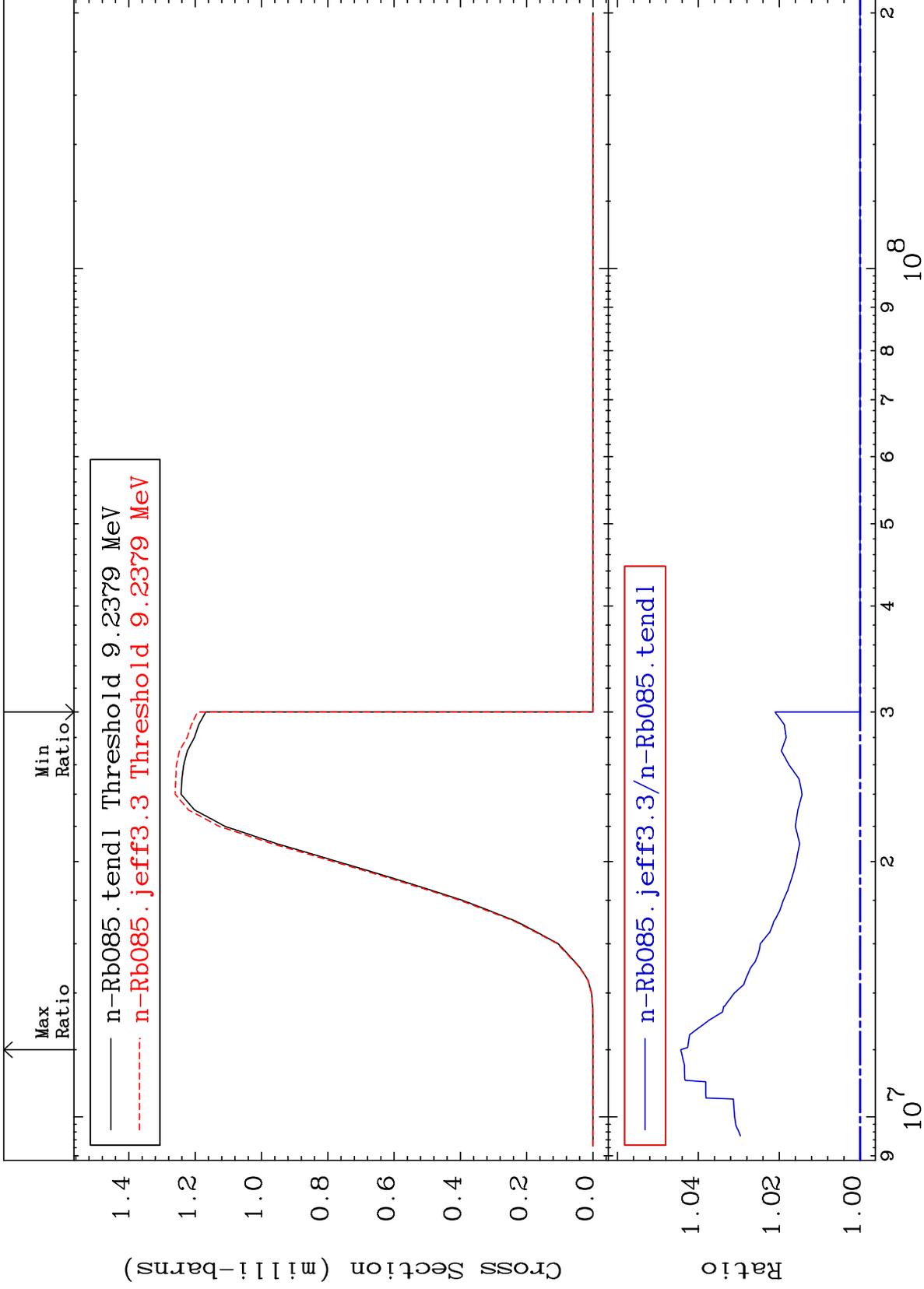


MAT 3725

(n, t) : 36-Kr-83m2

37-Rb-85

Radionuclide Production Cross Section 0.000 To 4.434 %

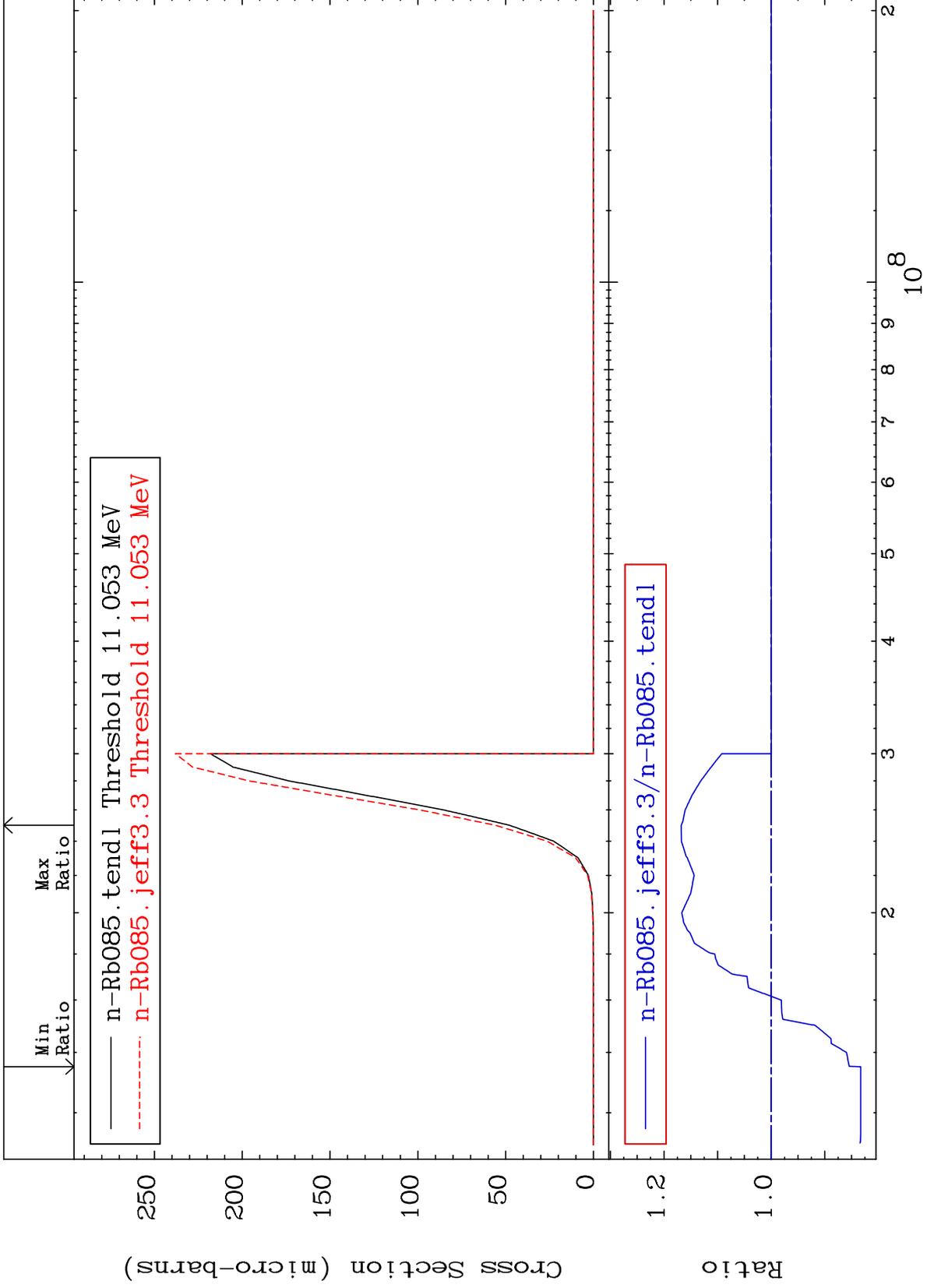


89

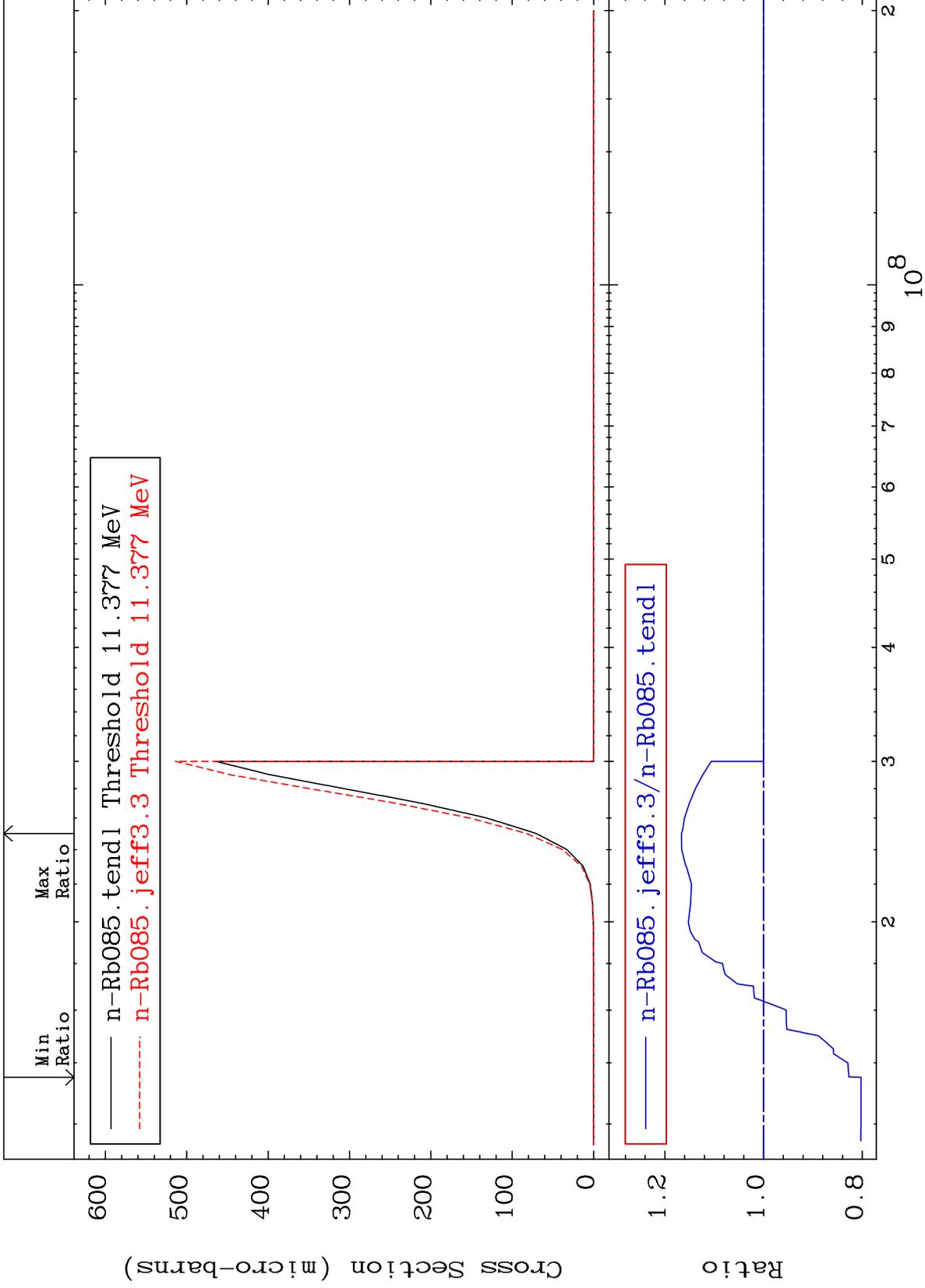
Incident Energy (eV)

37-Rb-85

Radionuclide Production Cross Section -16.71 To 16.78 %

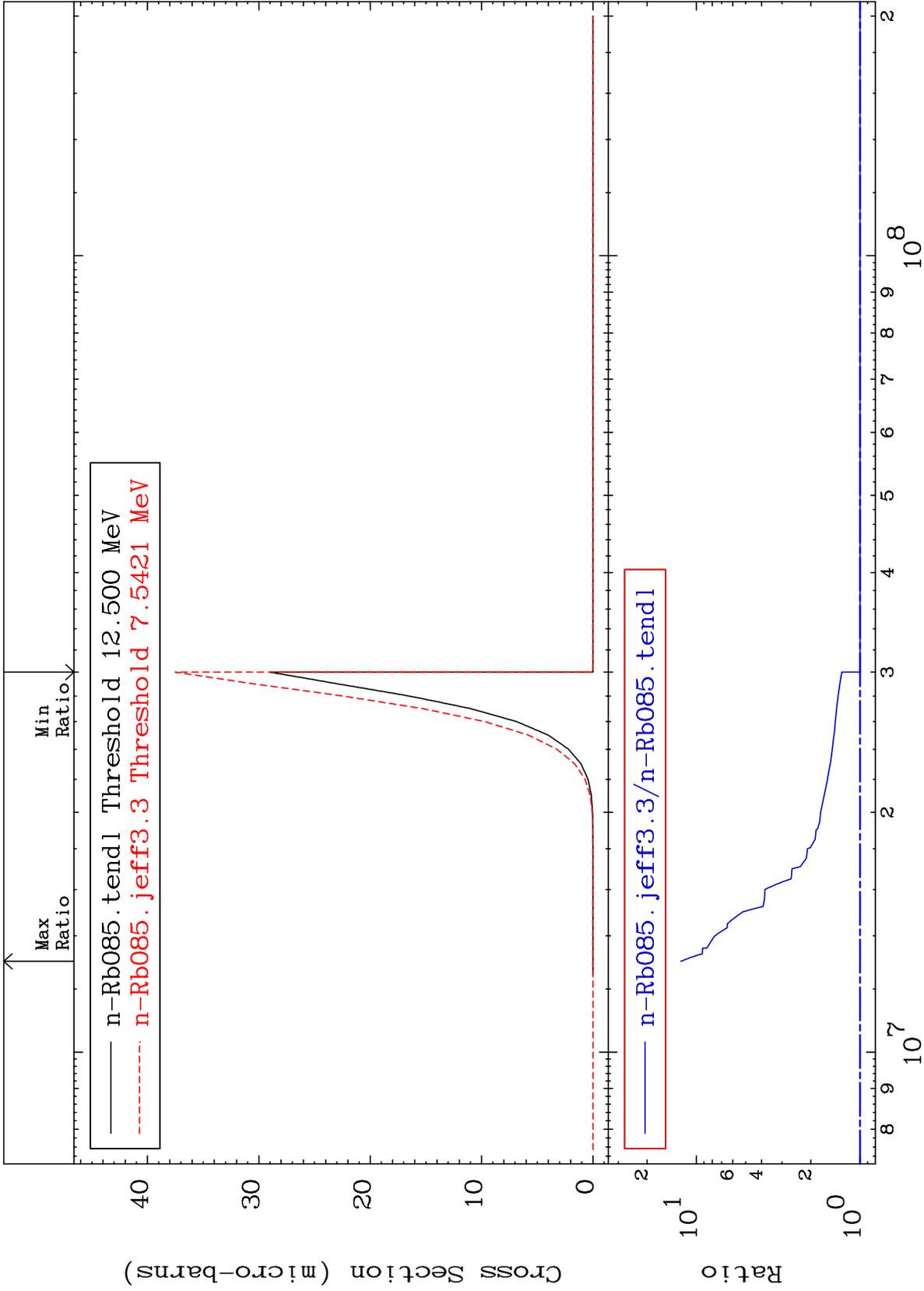


Radionuclide Production Cross Section -19.74 To 16.63 %



MAT 3725

(n, p) α :34-Se-81g 37-Rb-85
Radionuclide Production Cross Section 0.000 To 1145. %

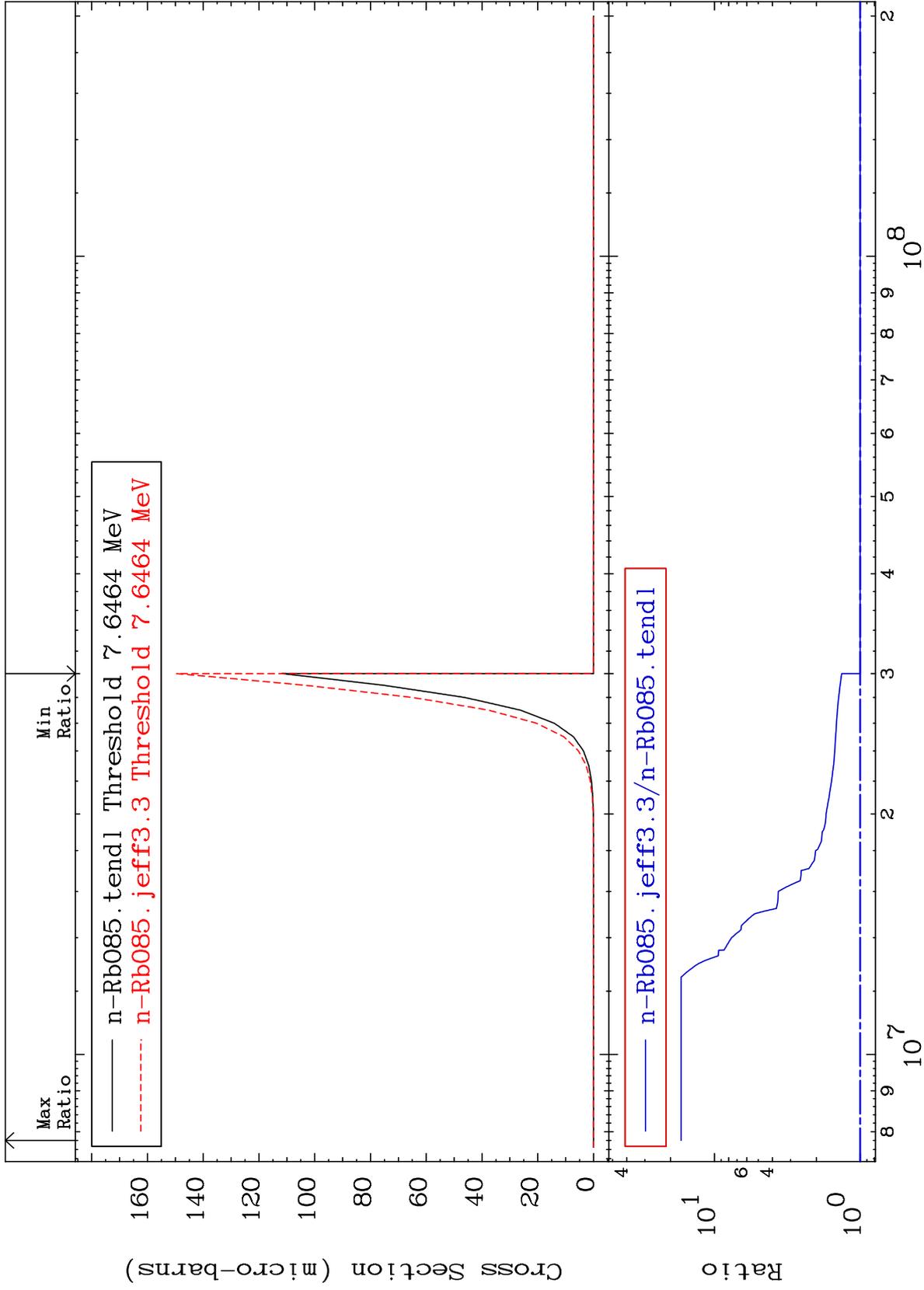


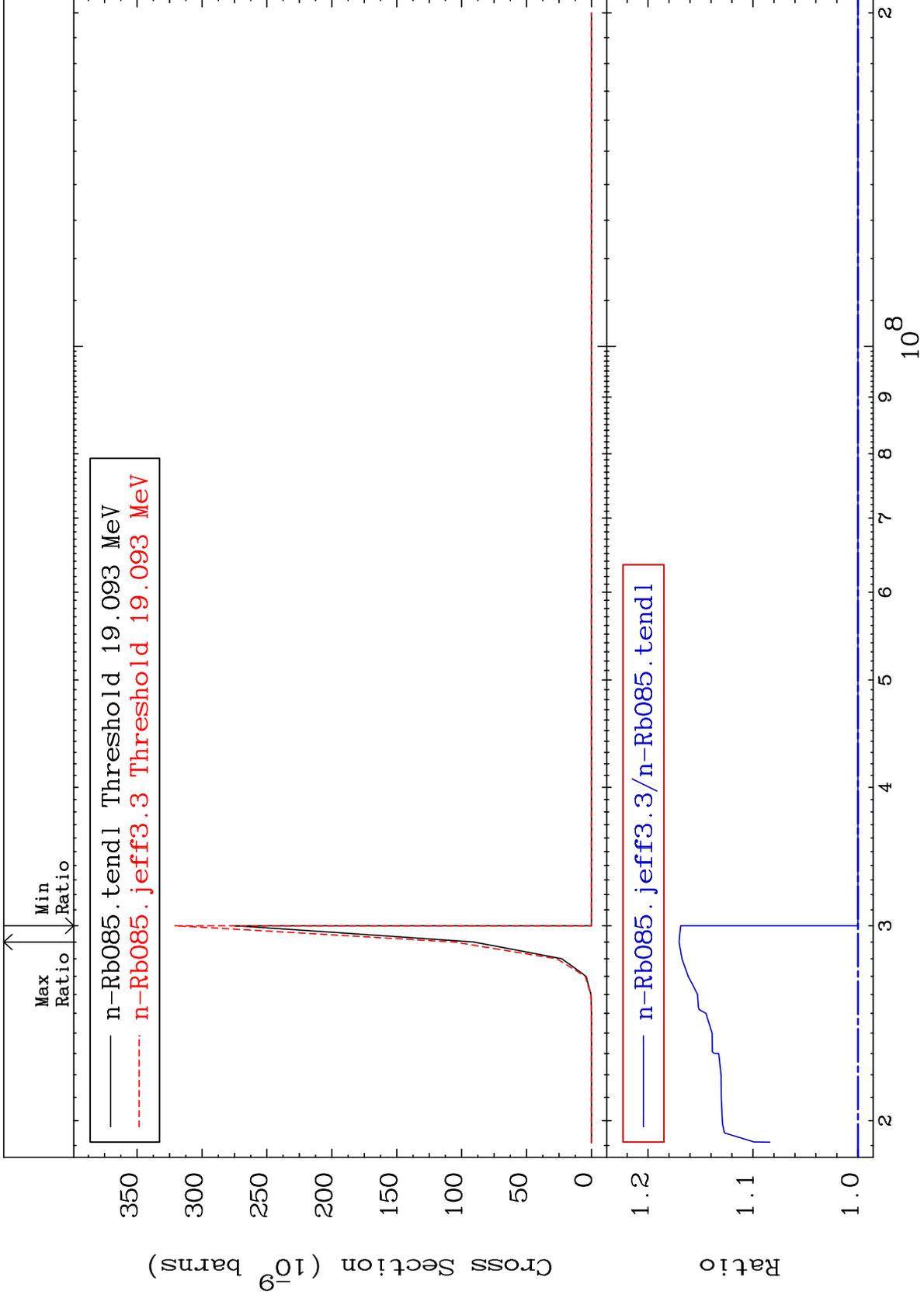
MAT 3725

(n, p) α :34-Se-81m1

37-Rb-85

Radionuclide Production Cross Section 0.000 To 1591. %





Radionuclide Production Cross Section -53.86 To 16.97 %

