

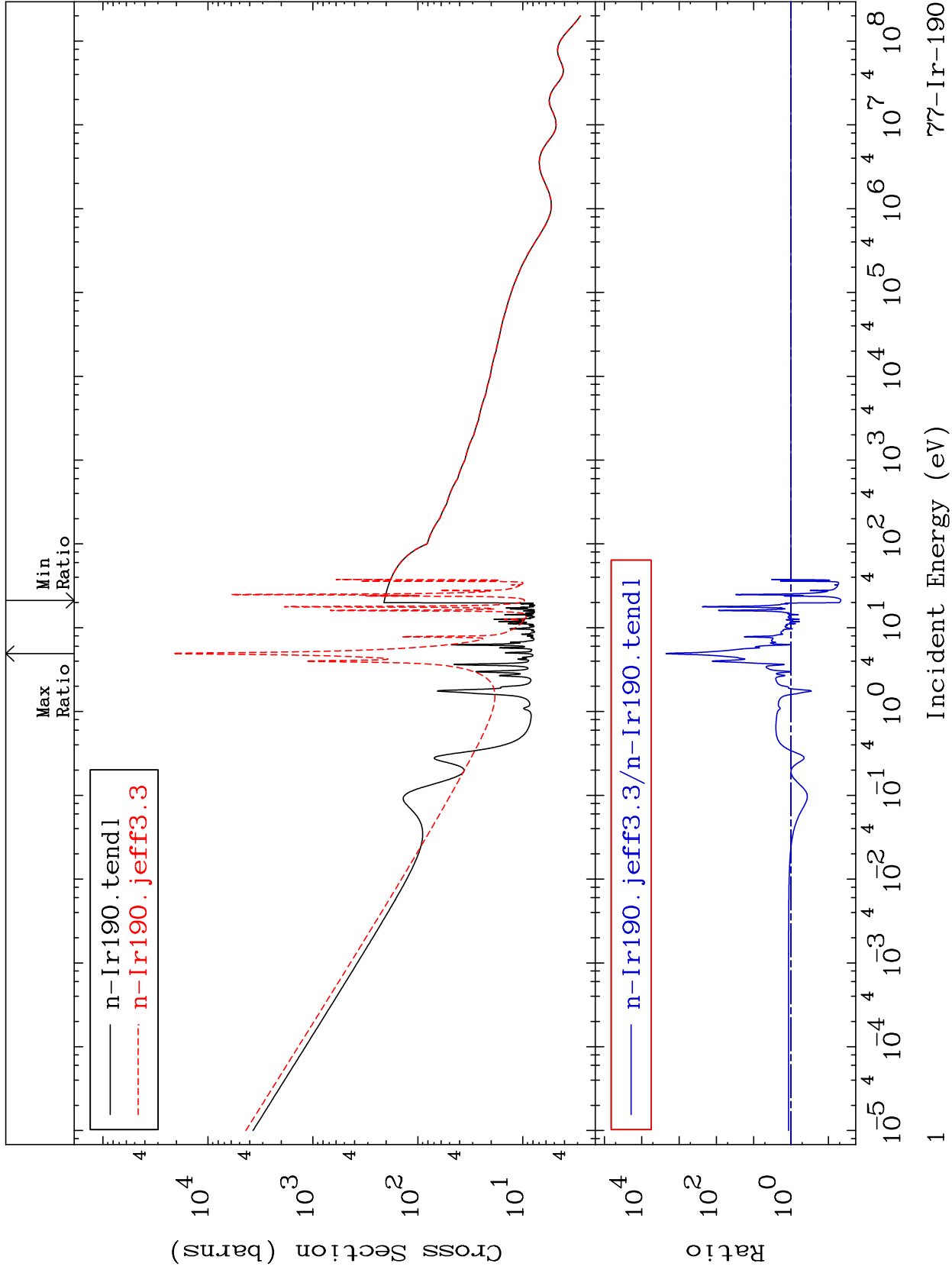
MAT 7722

Total

77-Ir-190

Cross Section

-95.38 To 9999. %

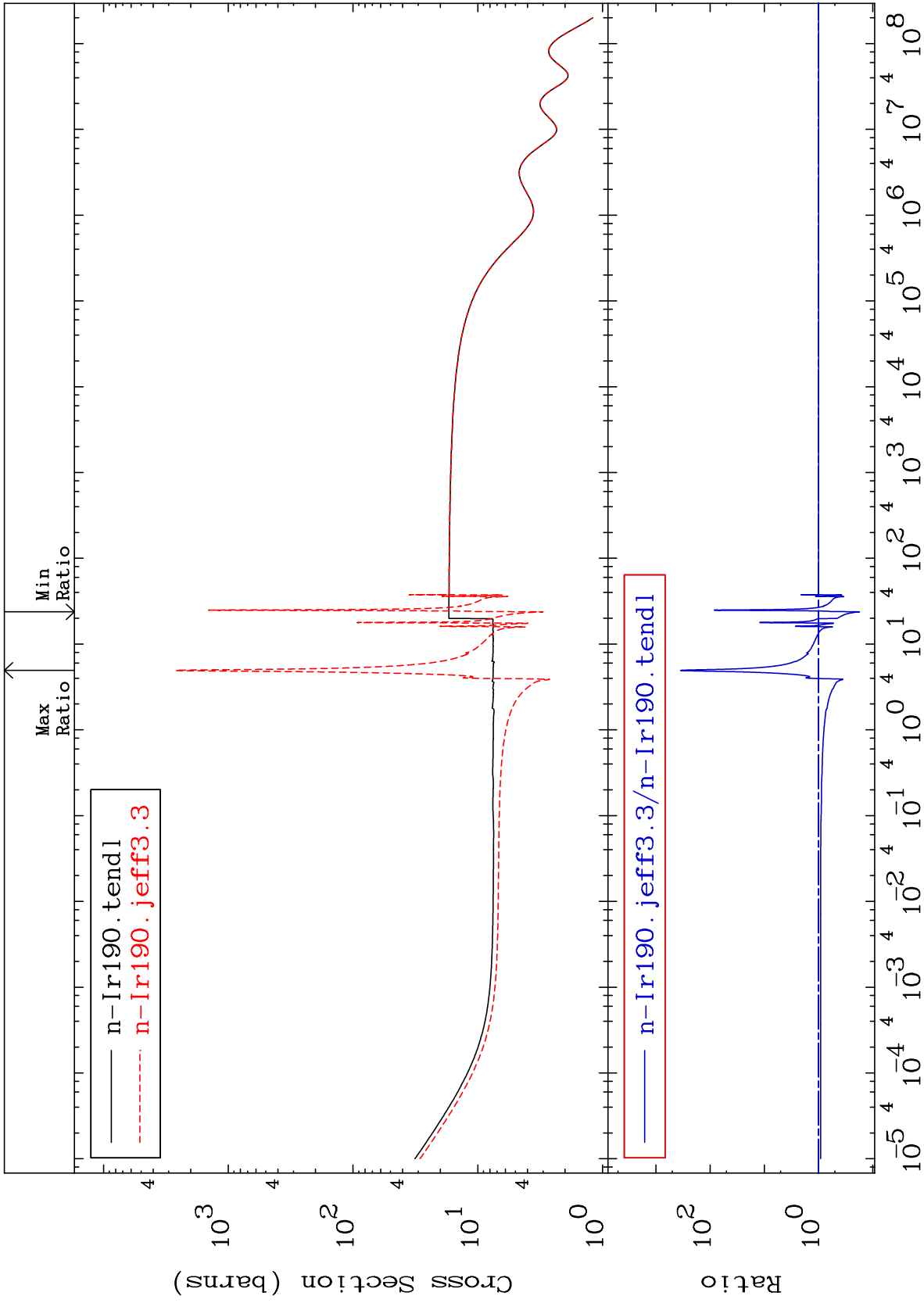


Incident Energy (eV)

77-Ir-190

MAT 7722

Elastic Cross Section
77-Ir-190
-82.43 To 9999. %



77-Ir-190

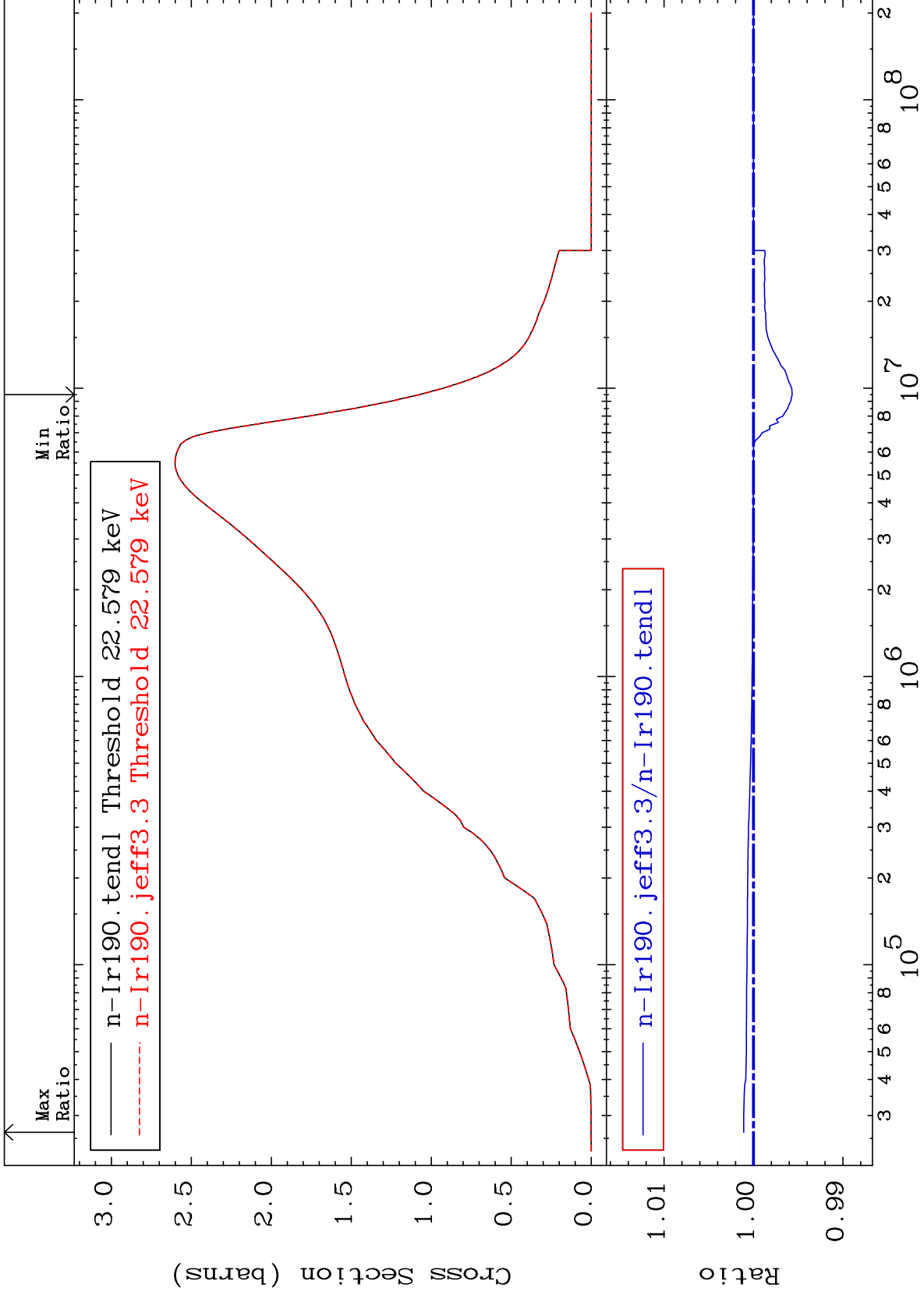
Incident Energy (eV)

2

MAT 7722

Inelastic
Cross Section

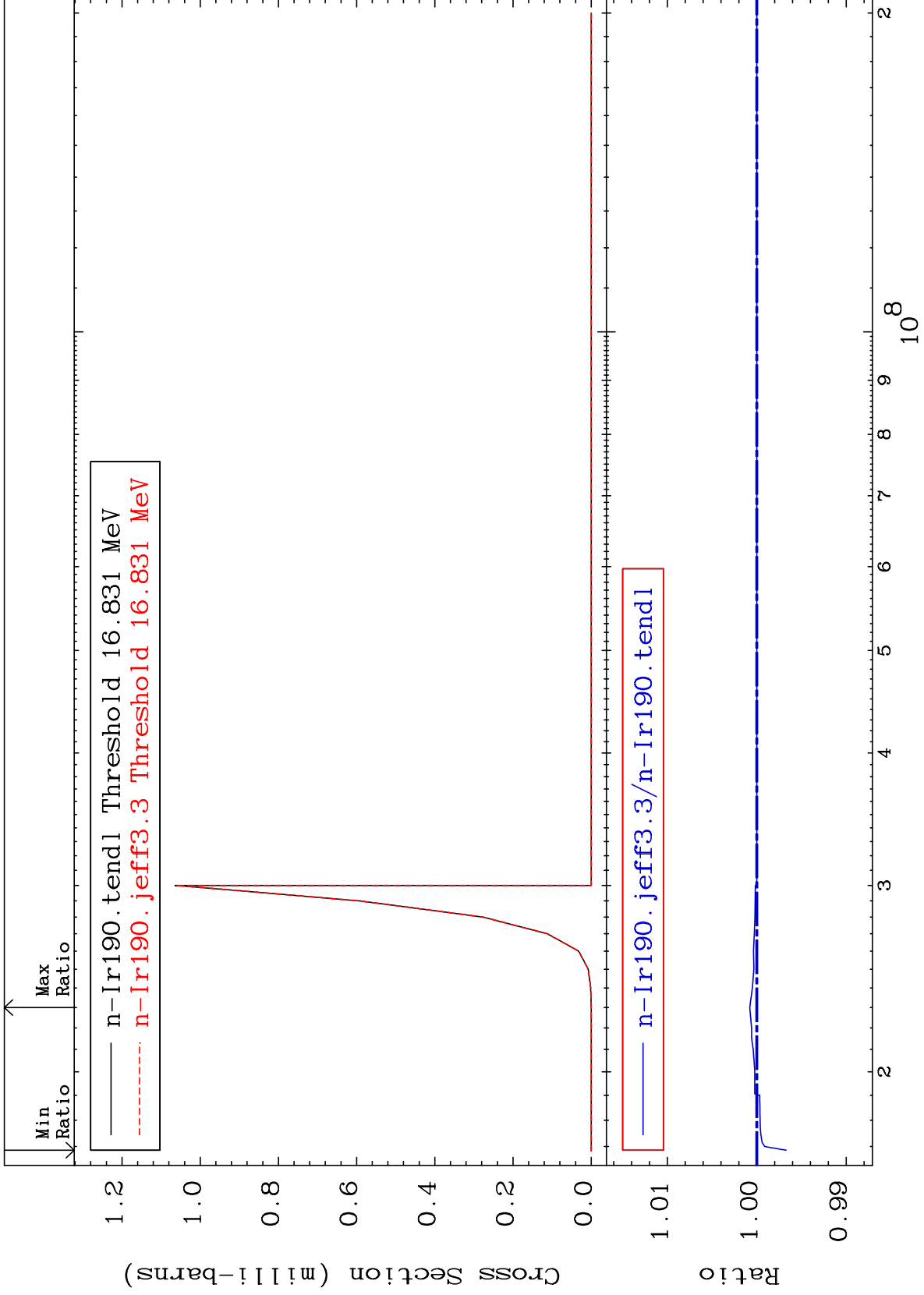
⁷⁷Ir-¹⁹⁰
-0.433 To 0.109 %



MAT 7722

(n,2n) d
Cross Section

⁷⁷Ir-190
-0.328 To 0.079 %



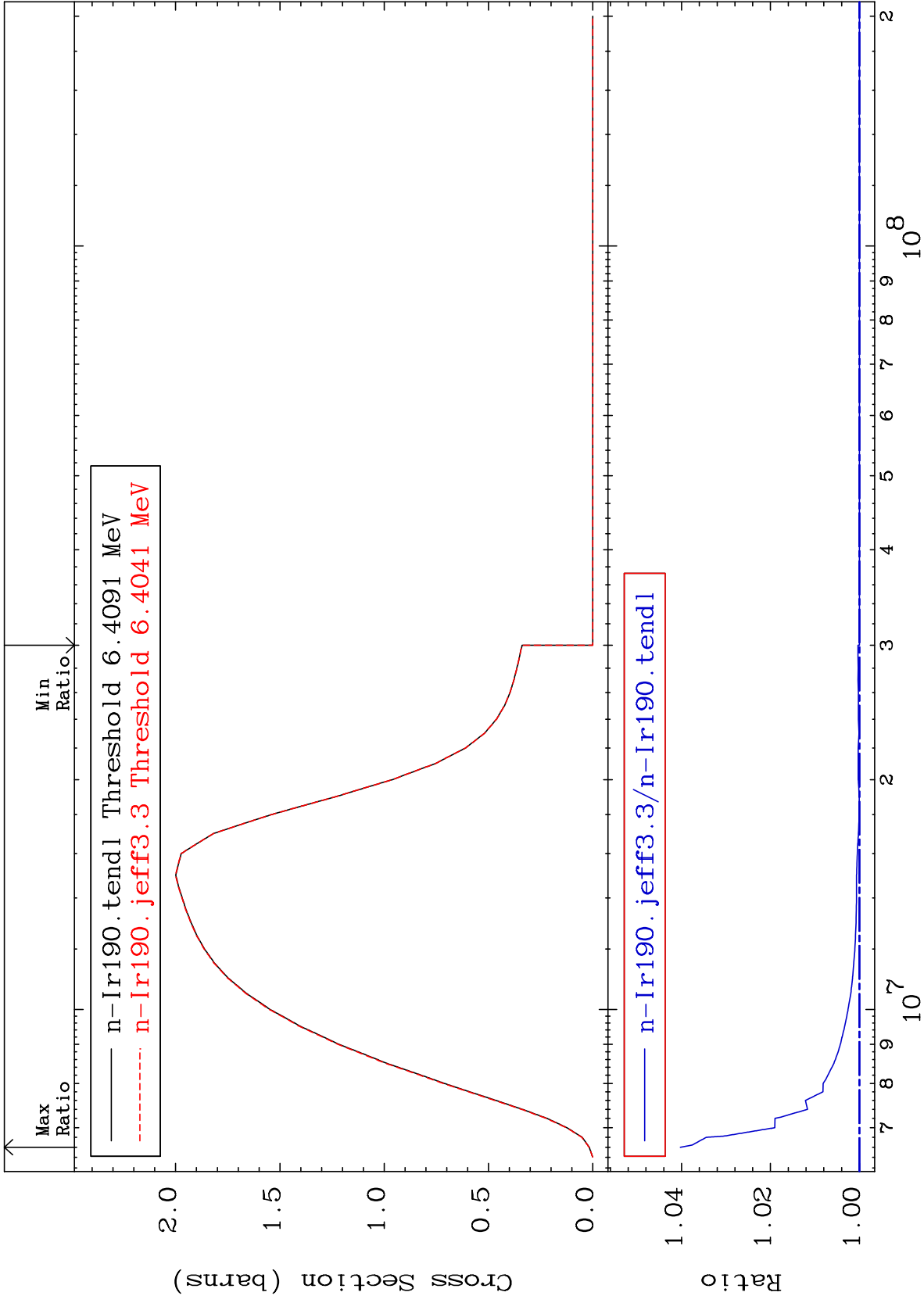
MAT 7722

(n,2n)

⁷⁷Ir-190

Cross Section

0.000 To 4.027 %



Incident Energy (eV)

⁷⁷Ir-190

5

MAT 7722

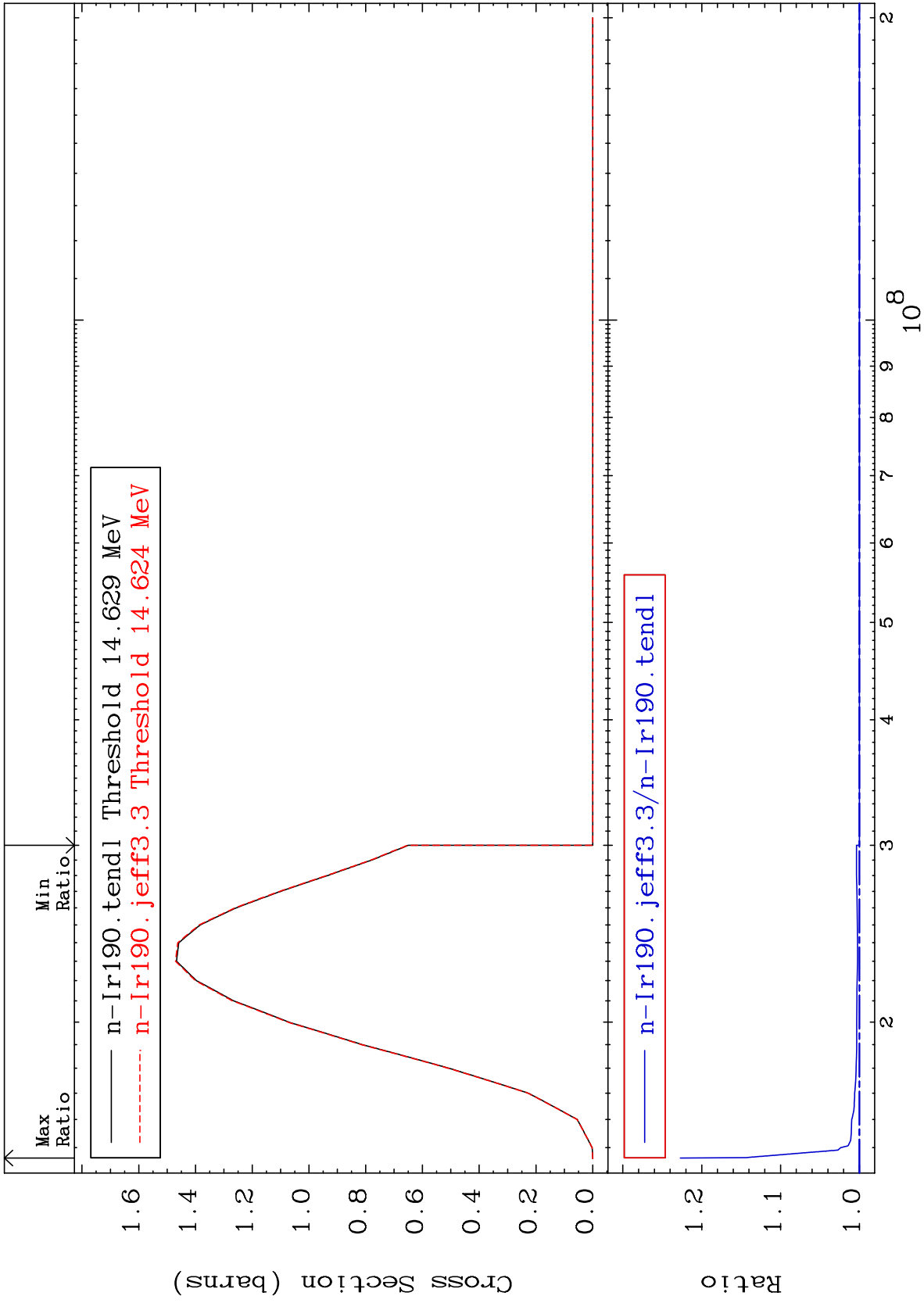
(n,3n)

⁷⁷Ir-190

Cross Section

0.000

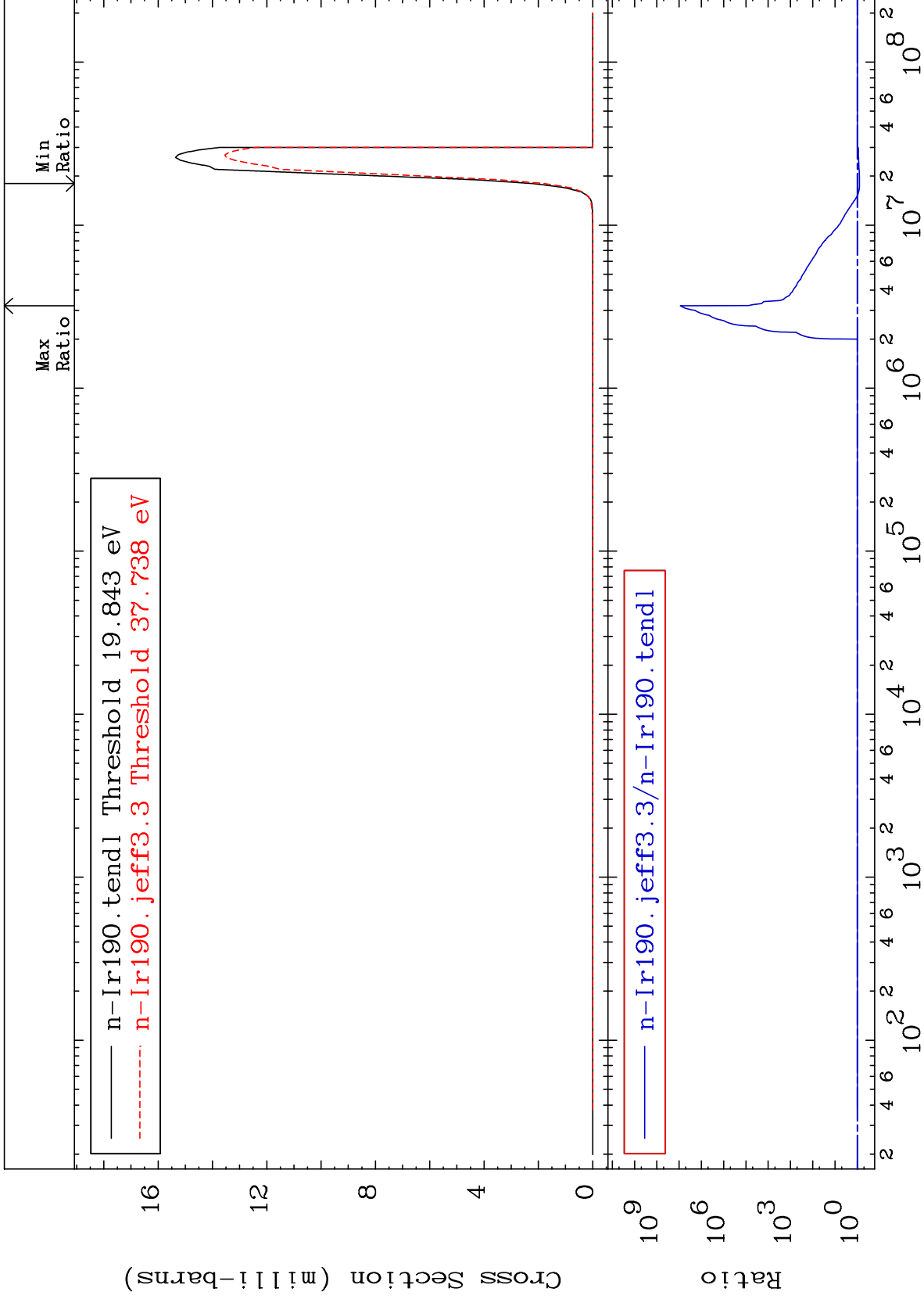
To 22.70 %



MAT 7722

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

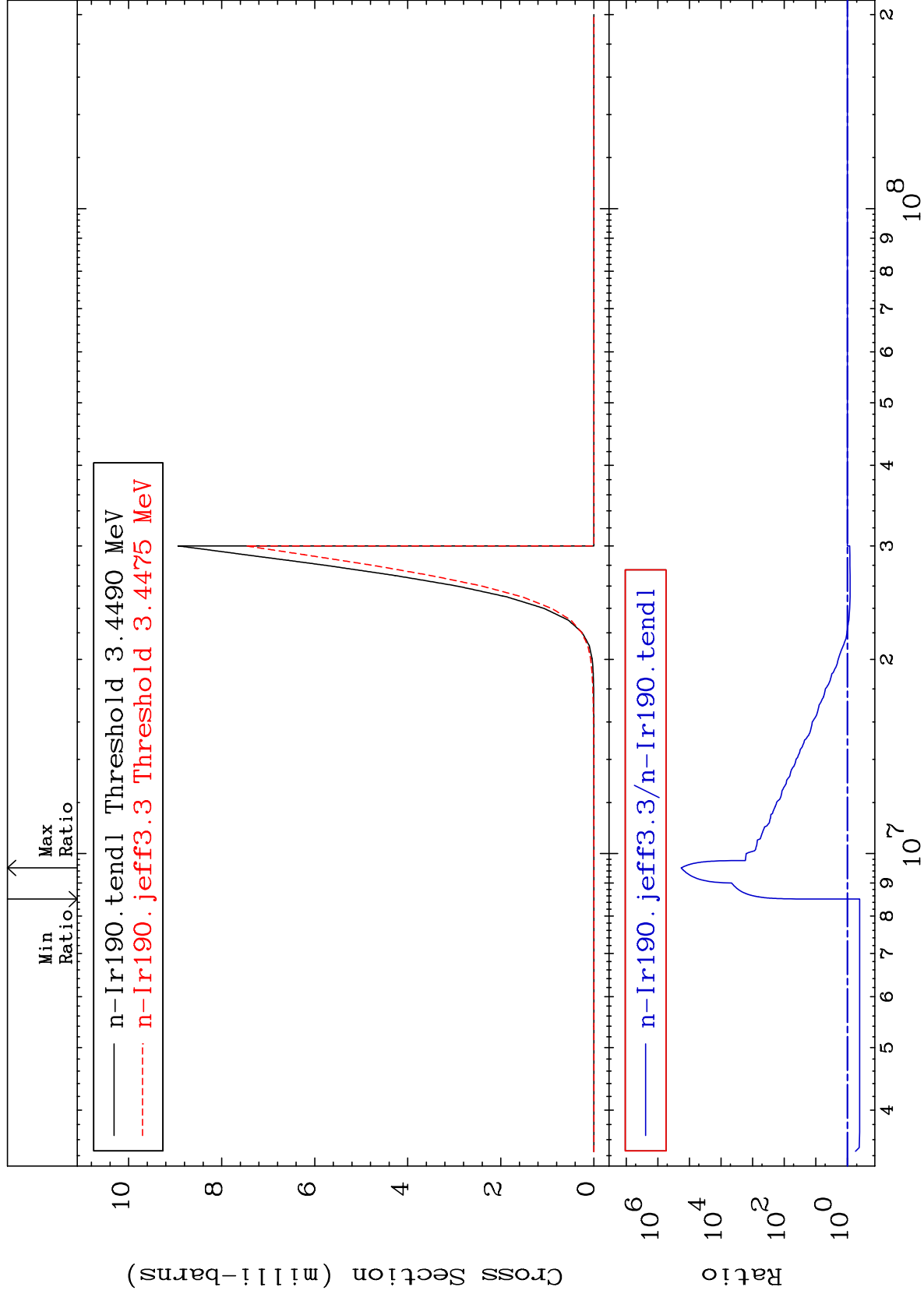
$^{77}\text{Ir-190}$
-20.03 To 9999. %



MAT 7722

(n,2n) α
Cross Section

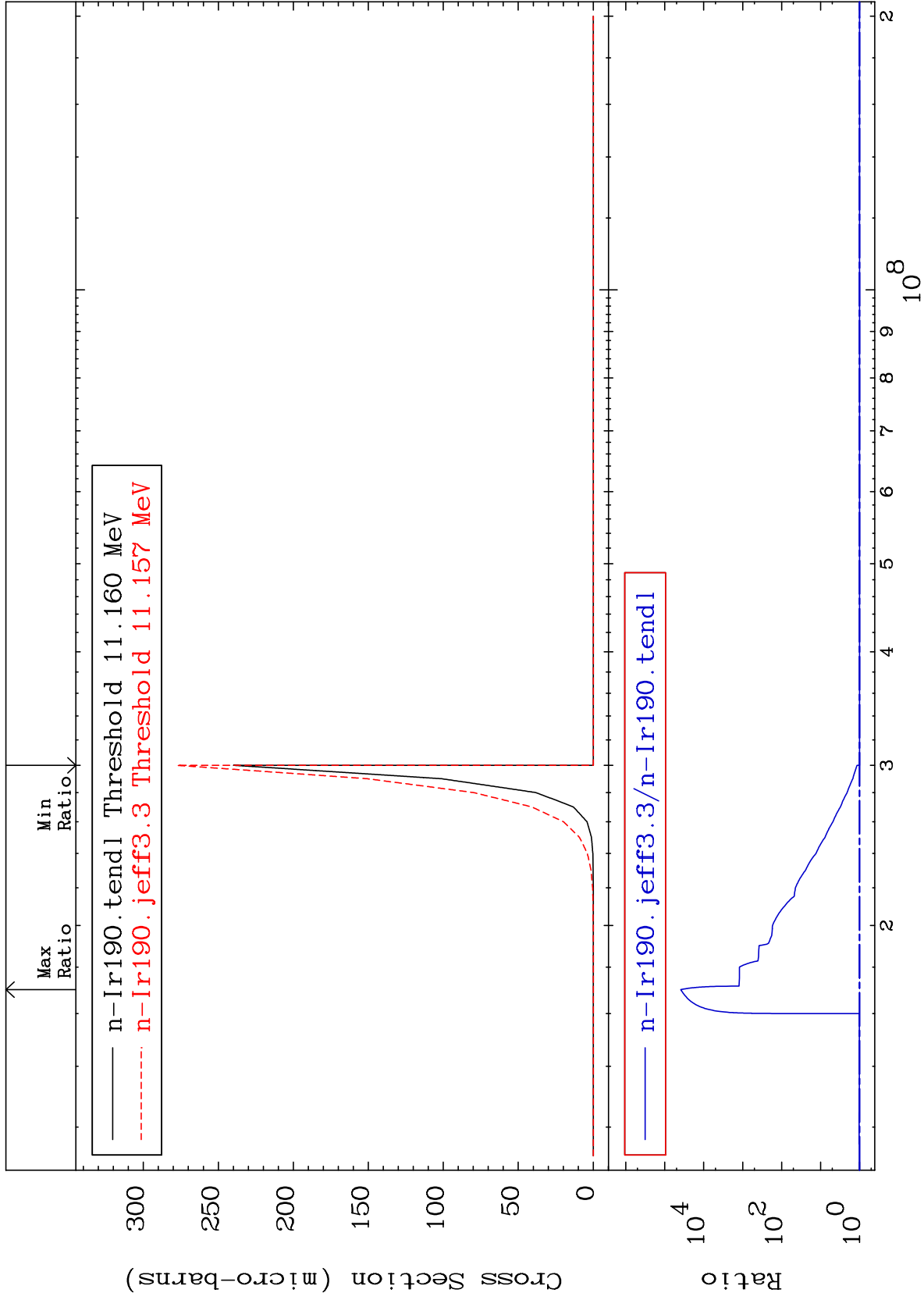
⁷⁷Ir-190
-59.27 To 9999. %



MAT 7722

(n,3n) α
Cross Section

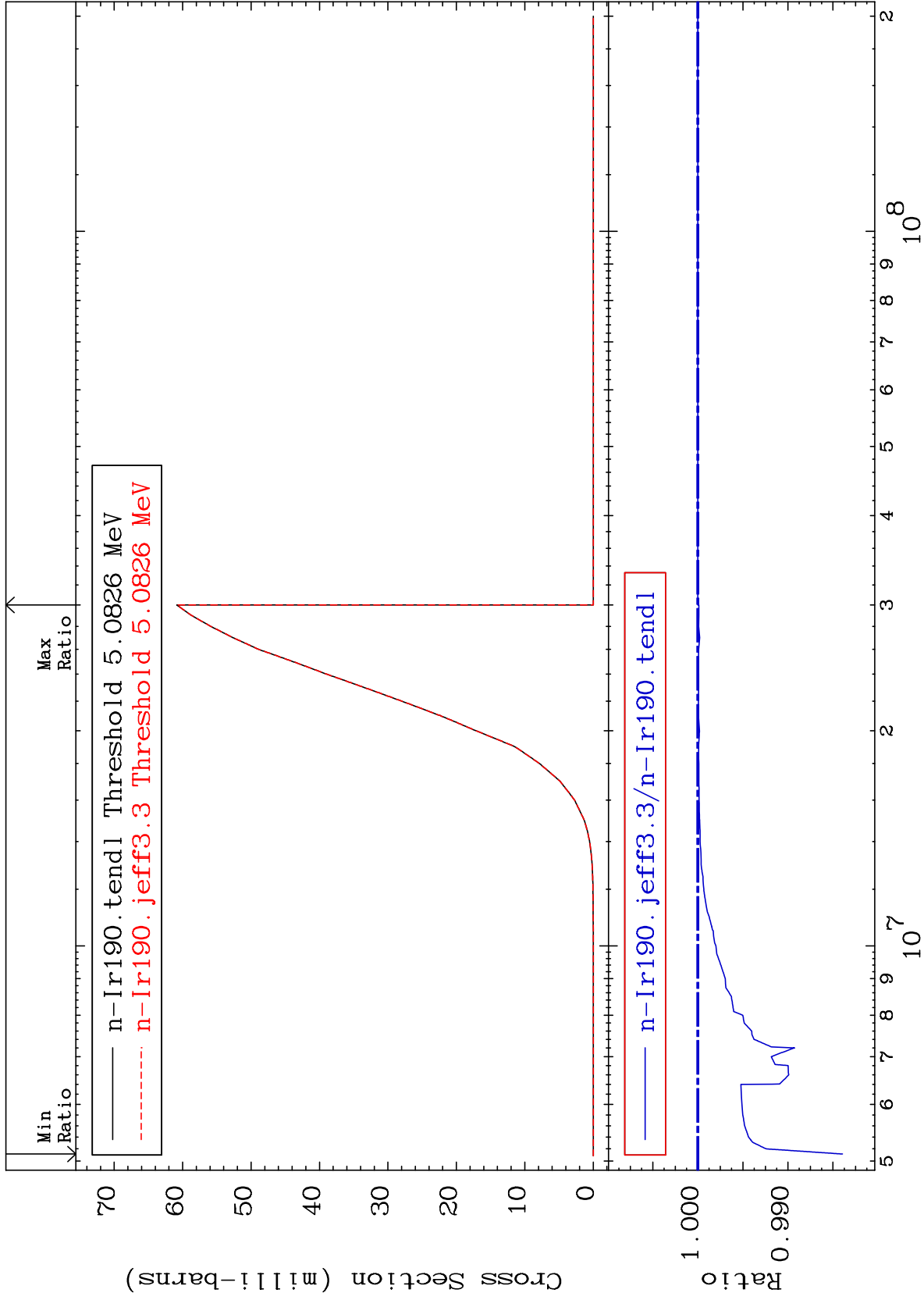
77-Ir-190
To 9999. %
0.000



MAT 7722

(n,n') p
Cross Section

⁷⁷Ir-¹⁹⁰
-1.605 To 0.000 %



10

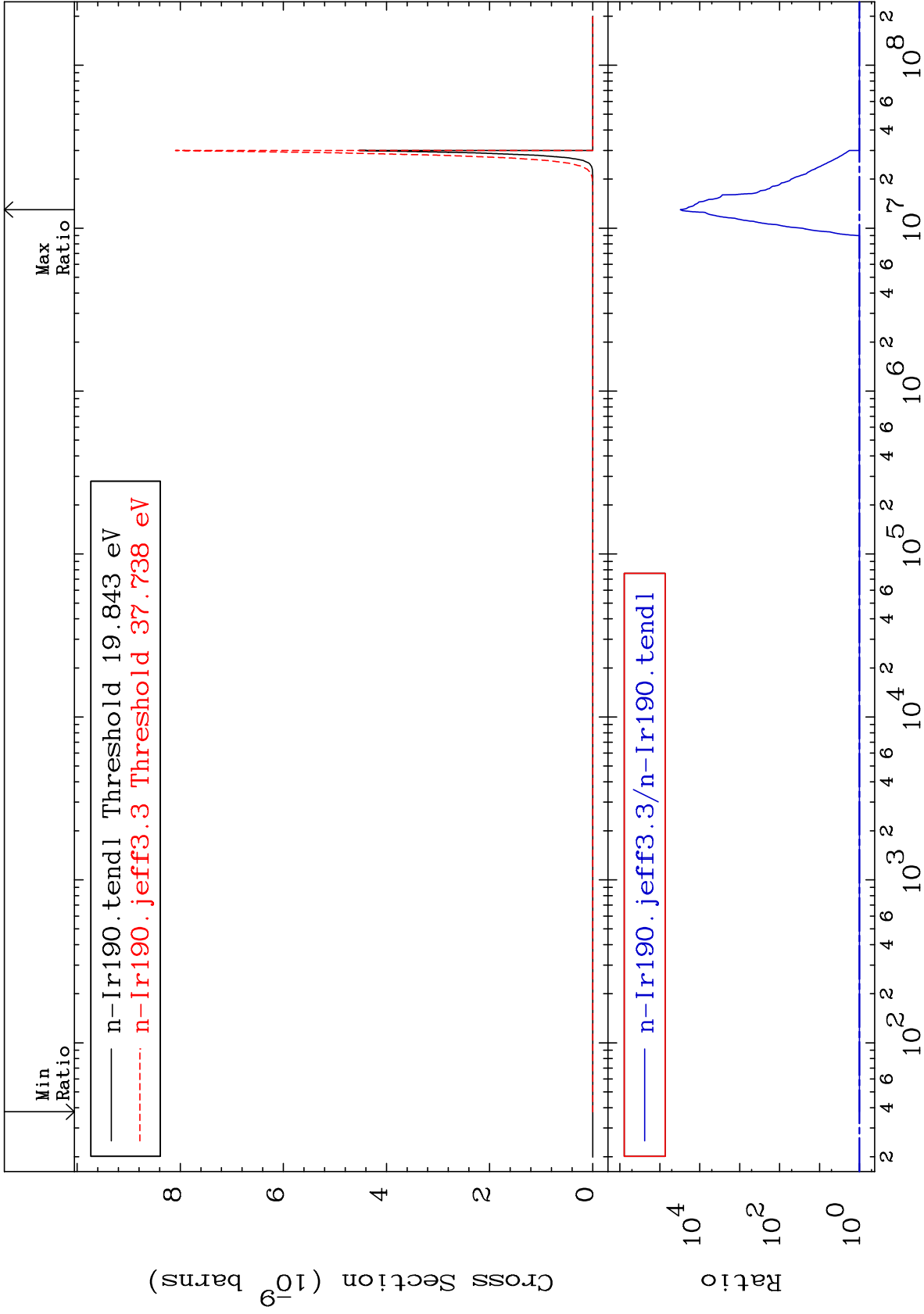
Incident Energy (eV)

⁷⁷Ir-¹⁹⁰

MAT 7722

(n, n') 2α
Cross Section

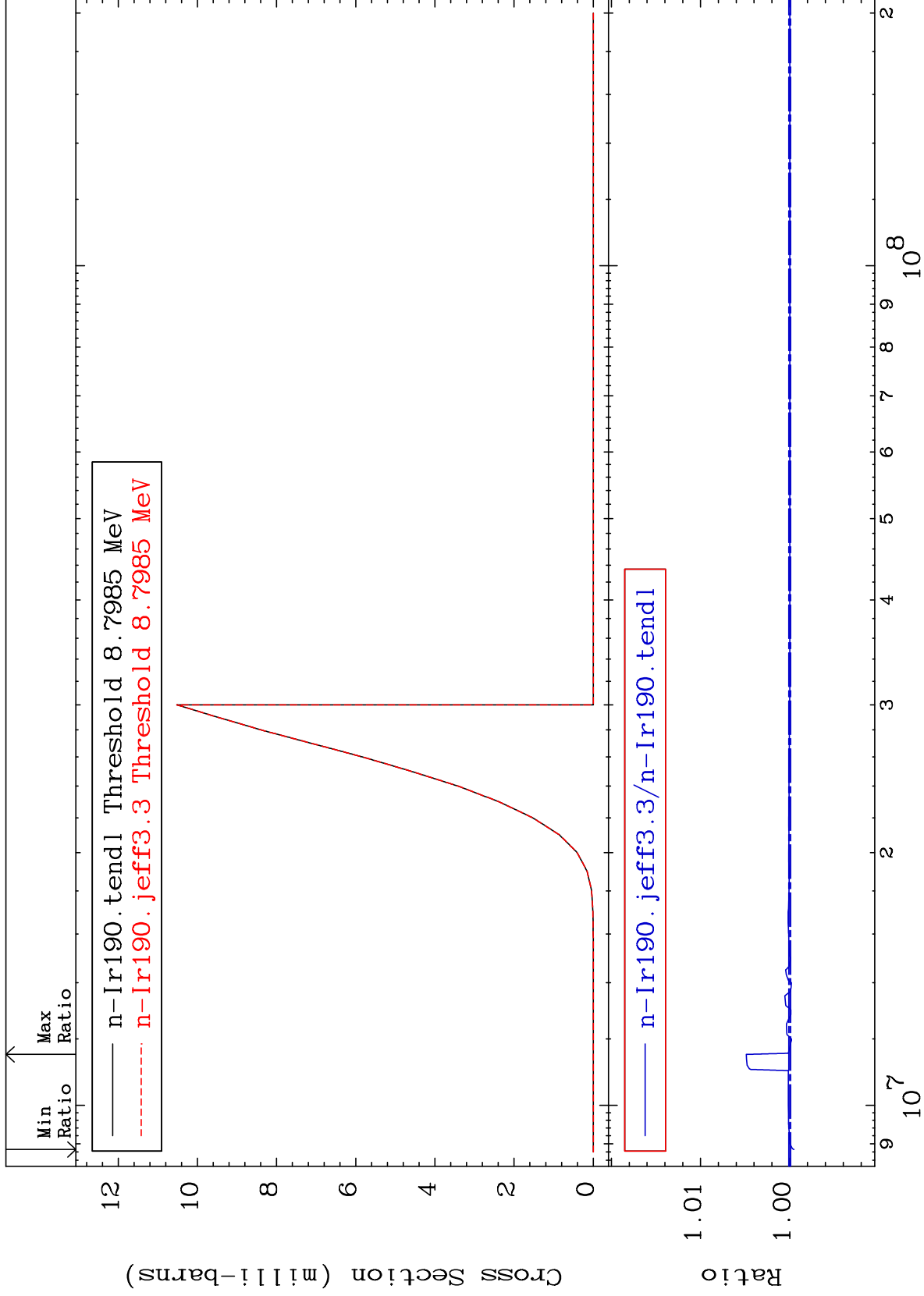
77-Ir-190
To 9999. %



MAT 7722

(n,n') d
Cross Section

⁷⁷Ir-¹⁹⁰
-0.047 To 0.486 %



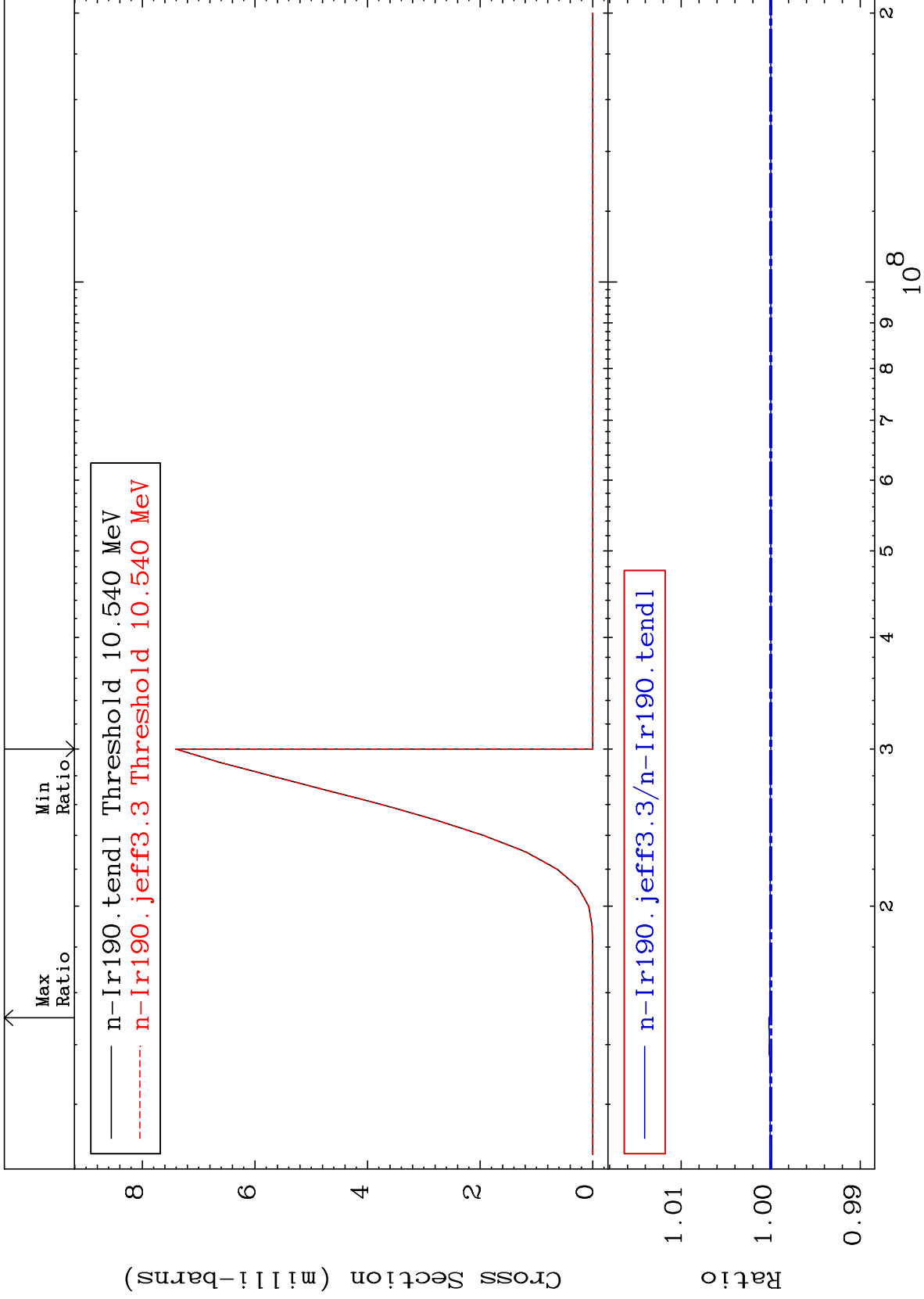
12

Incident Energy (eV)

⁷⁷Ir-¹⁹⁰

Cross Section

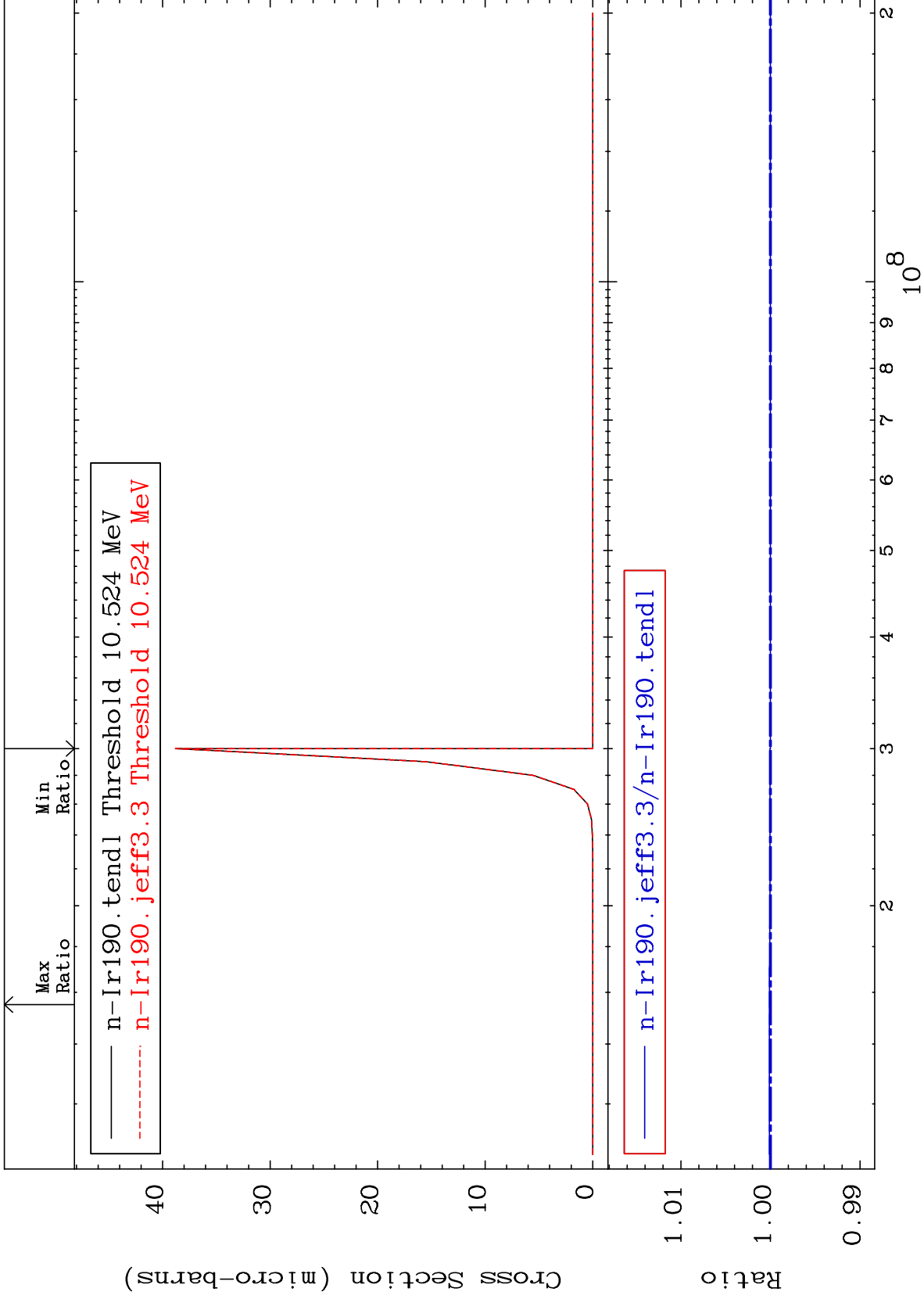
-0.001 To 0.020 %



MAT 7722

(n, n') He-3
Cross Section

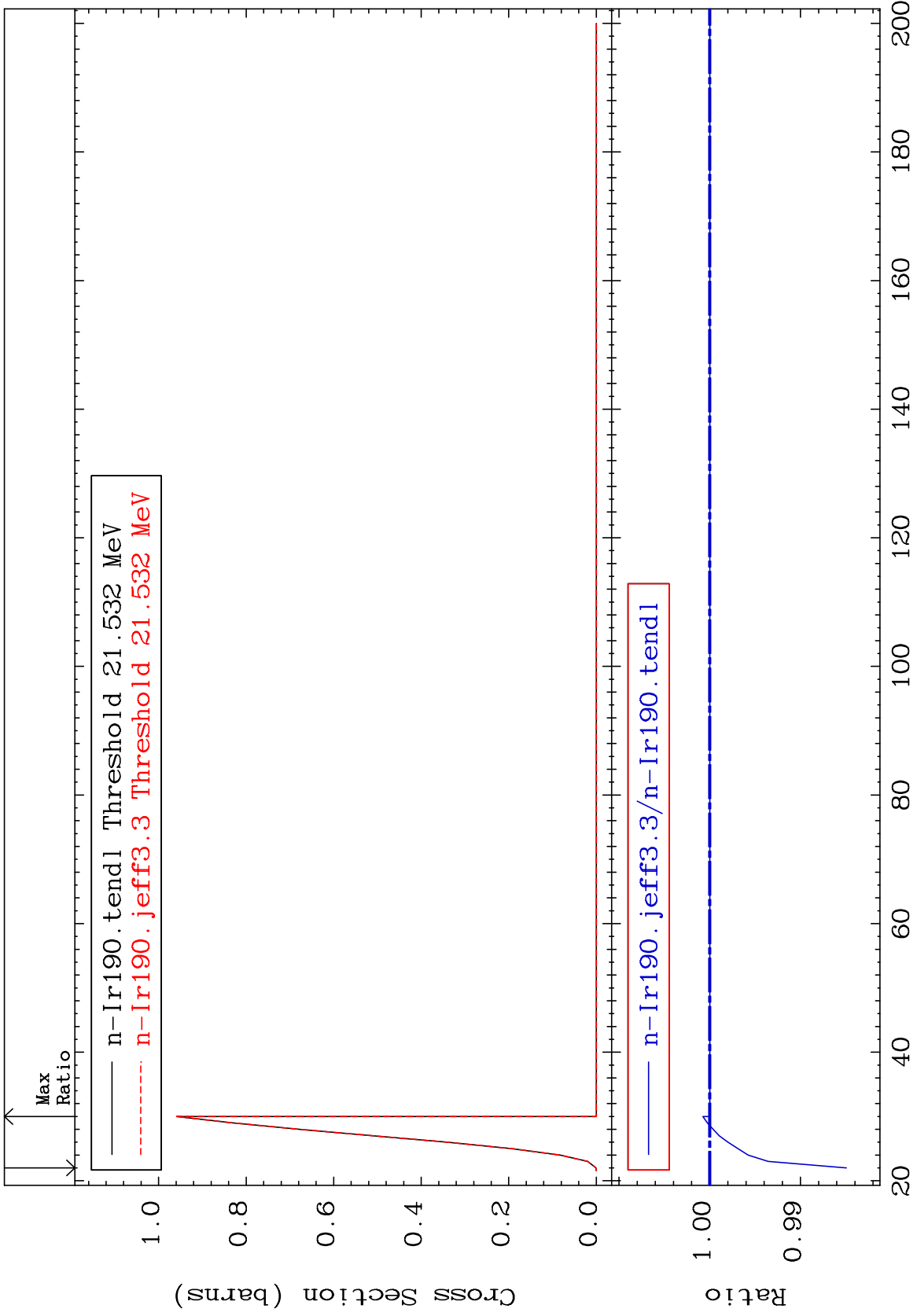
⁷⁷Ir-190
To 0.012 %



MAT 7722

(n,4n)
Cross Section

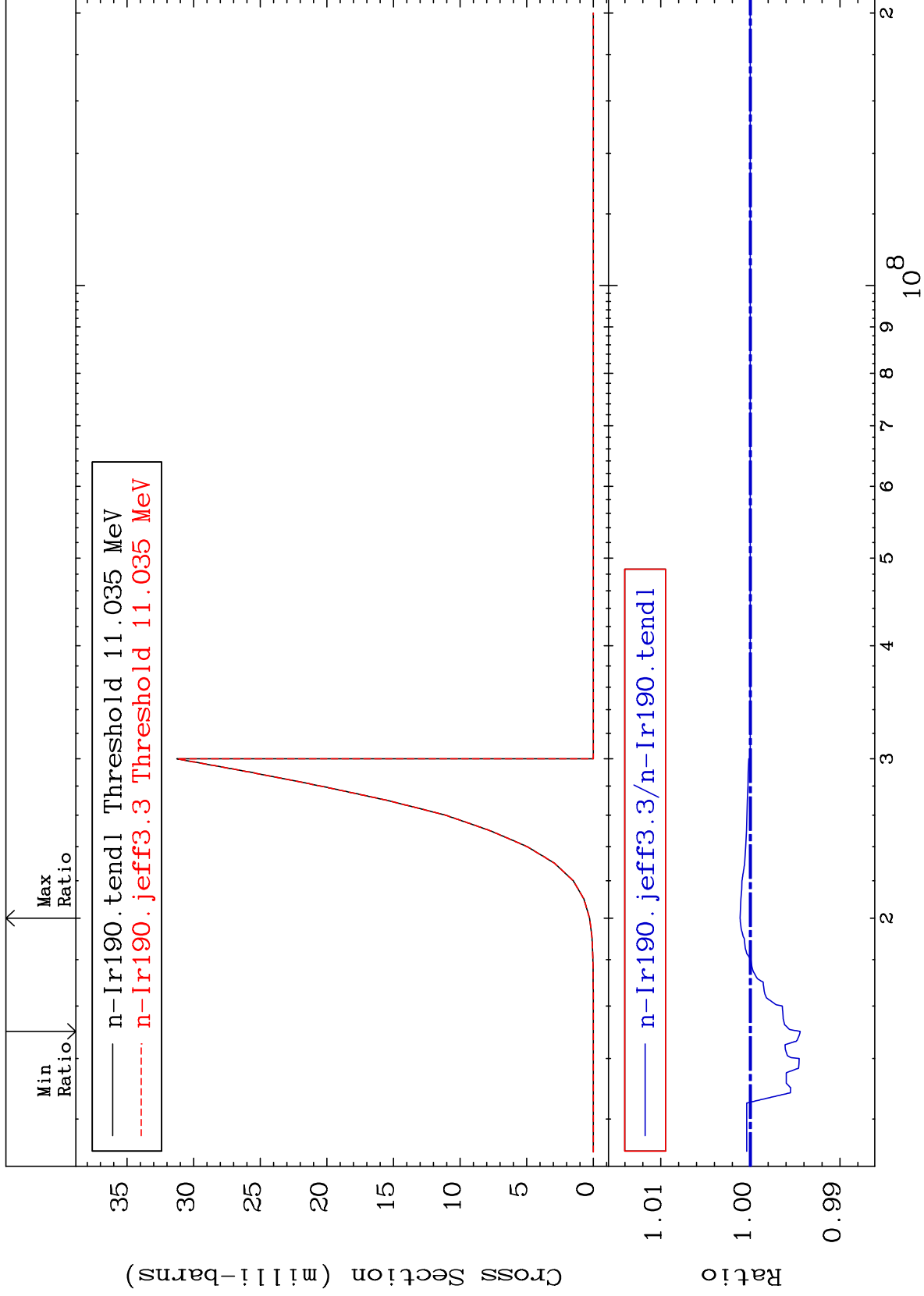
⁷⁷Ir-190
-1.505 To 0.076 %



MAT 7722

(n,2n) p
Cross Section

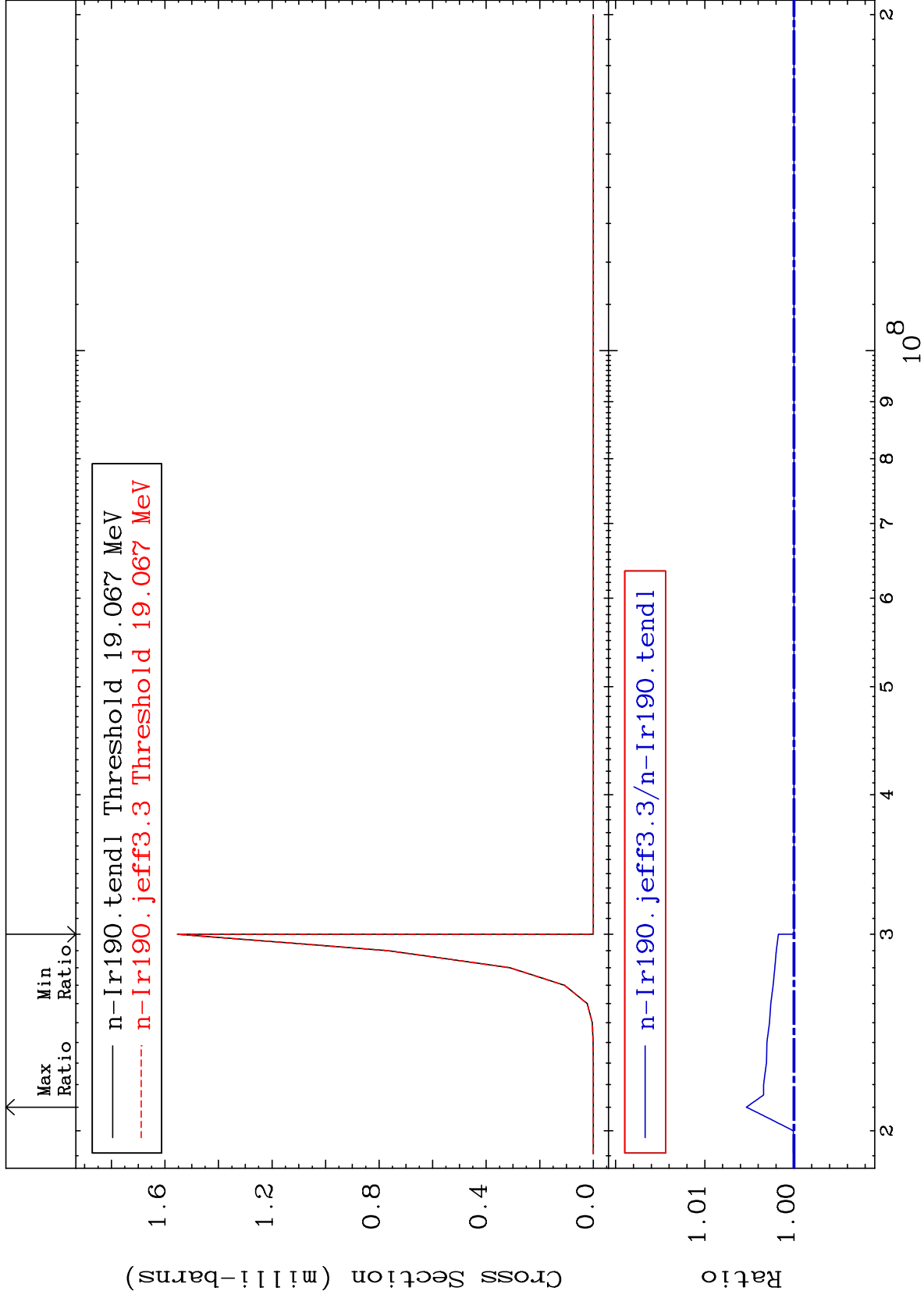
⁷⁷Ir-¹⁹⁰
-0.558 To 0.114 %



MAT 7722

(n,3n) p
Cross Section

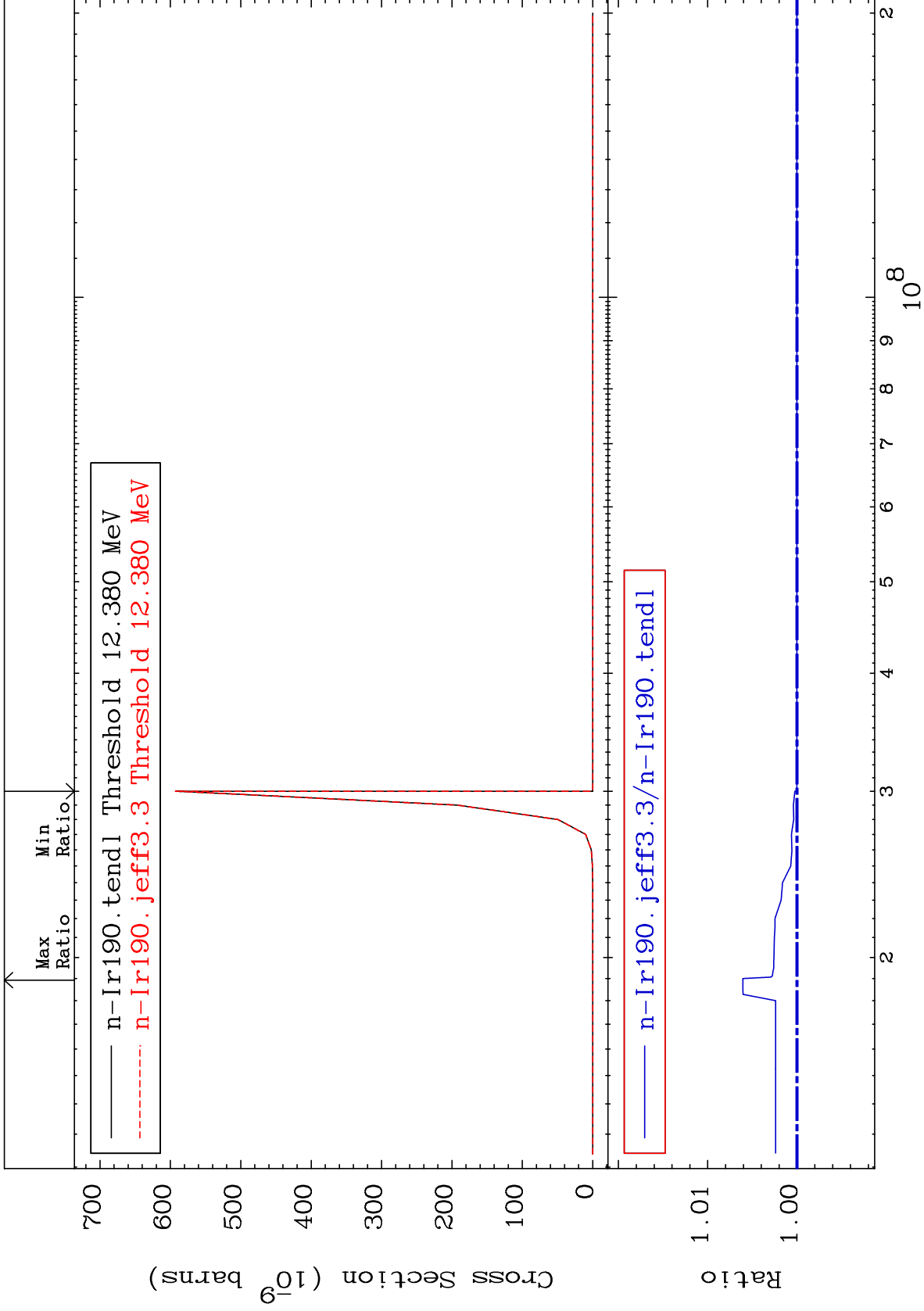
⁷⁷Ir-190
0.000 To 0.533 %



MAT 7722

(n,2n) p
Cross Section

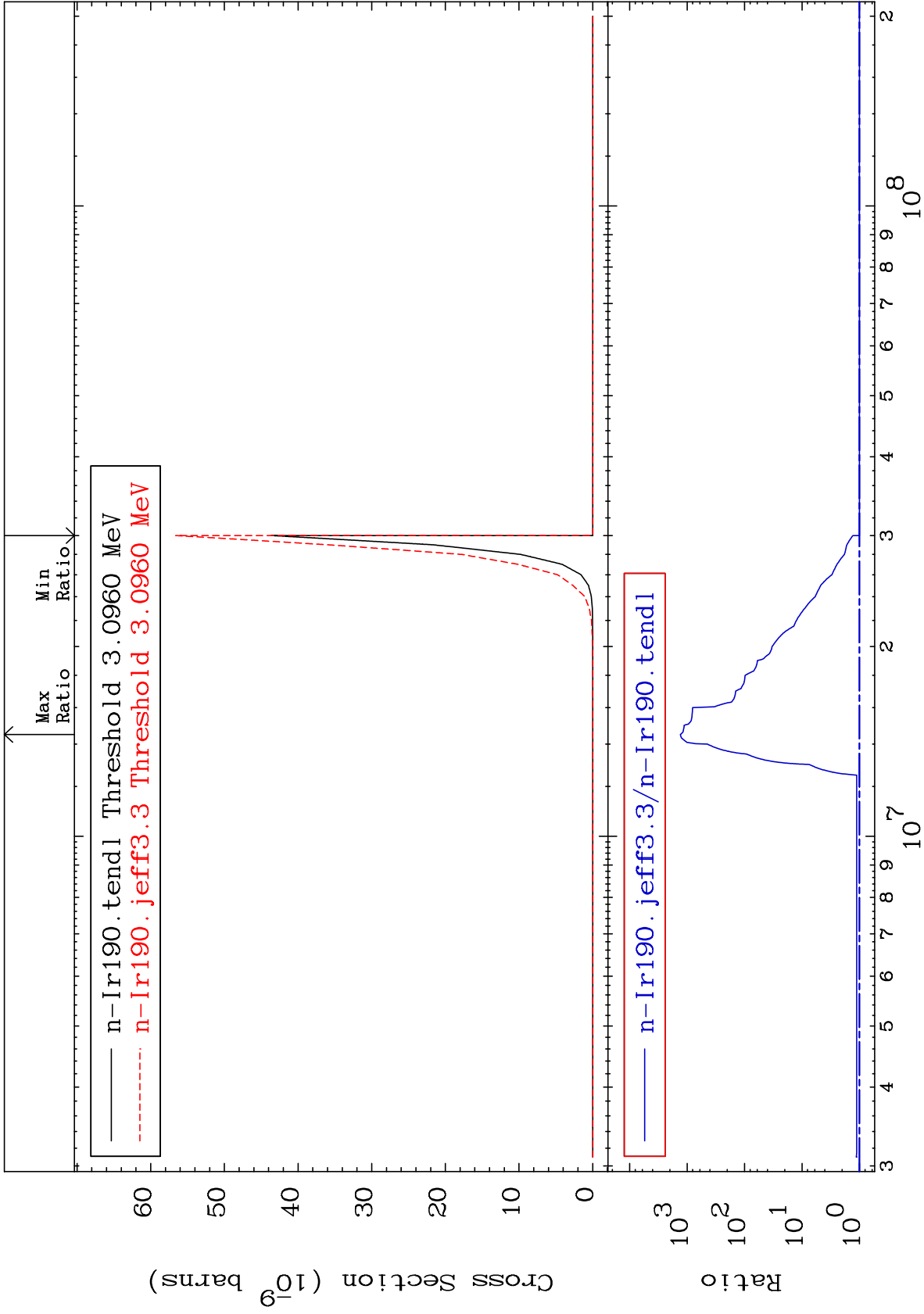
⁷⁷Ir-190
To 0.607 %



MAT 7722

(n,n') p α
Cross Section

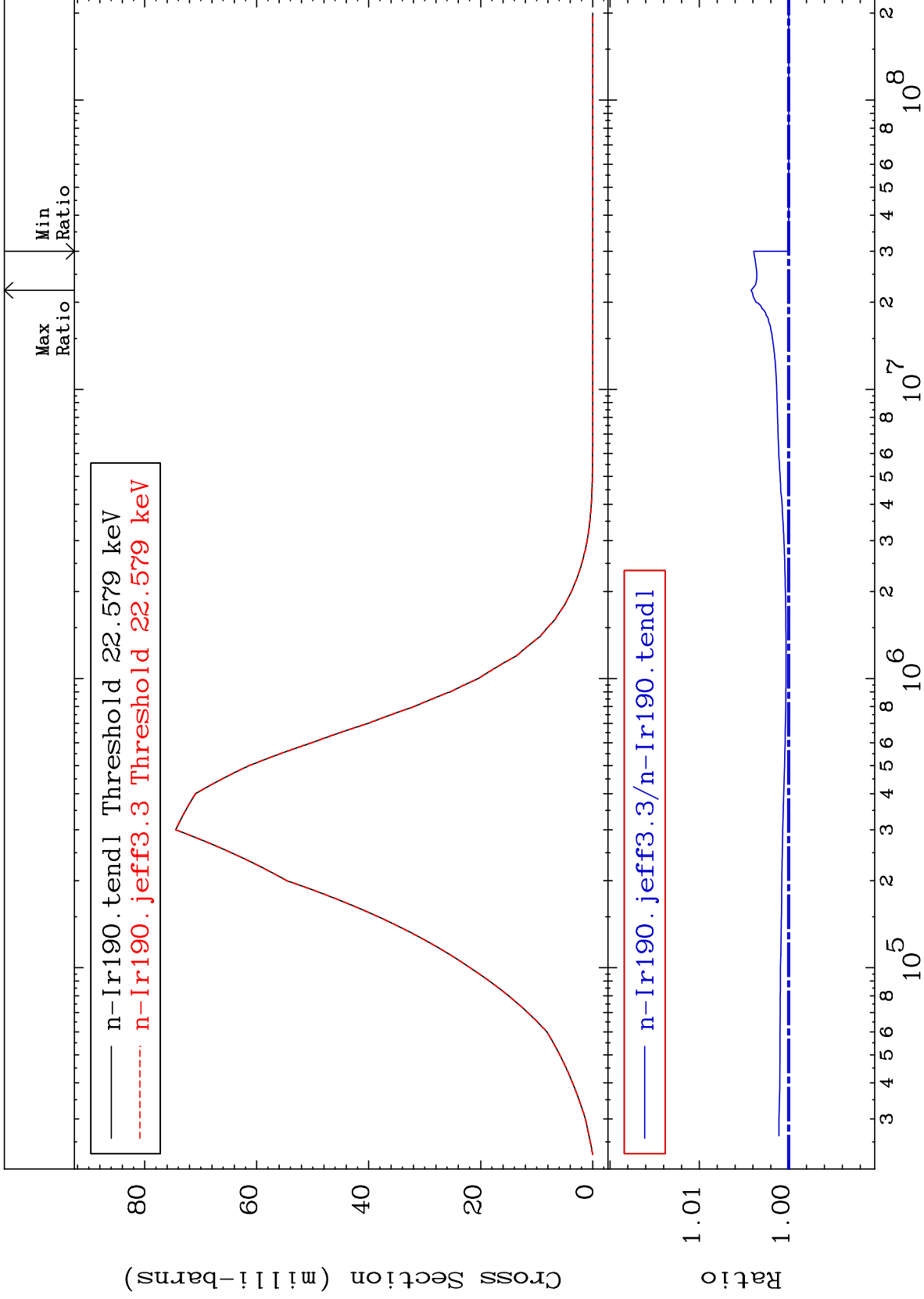
77-Ir-190
To 9999. %
0.000



MAT 7722

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

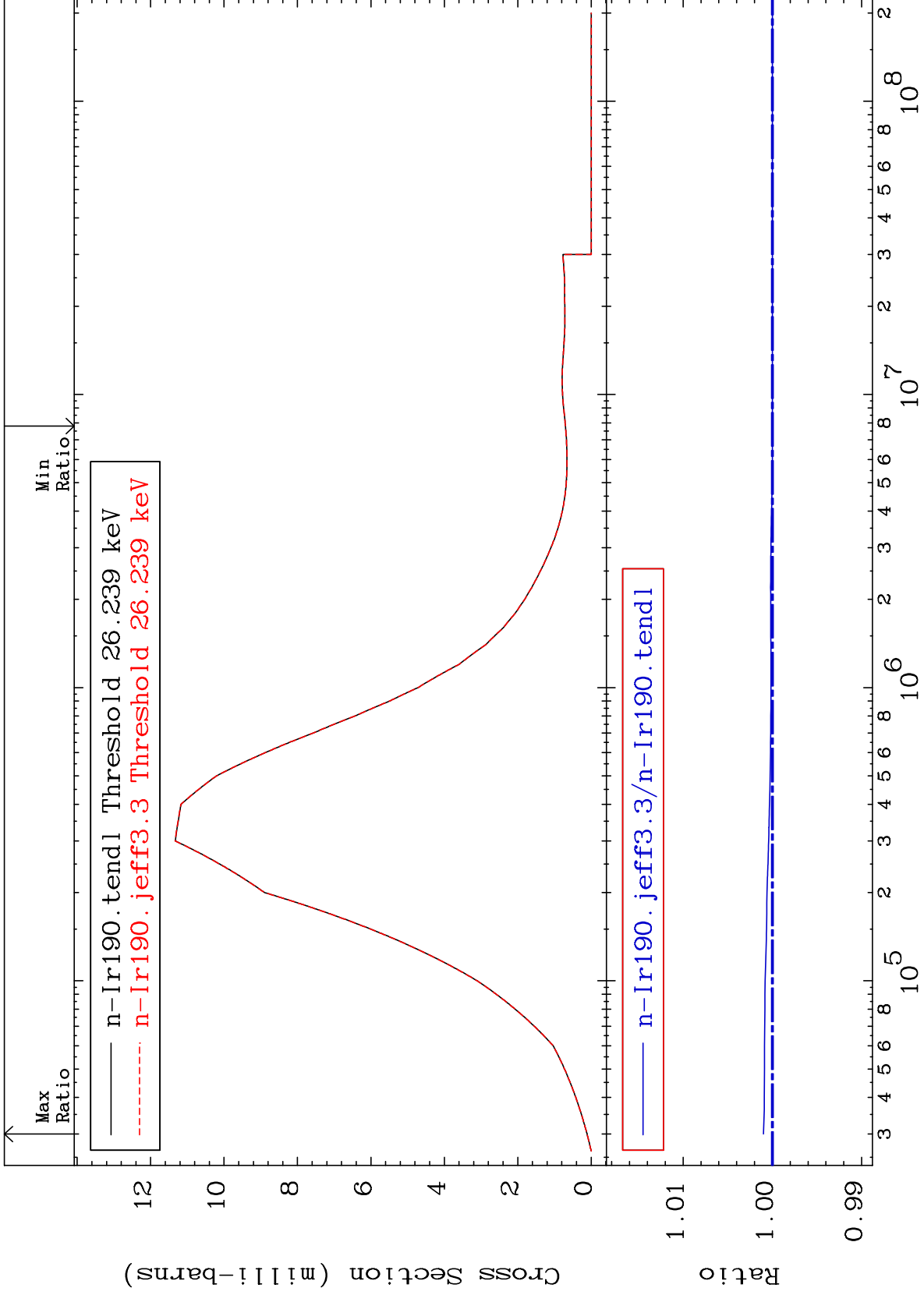
77-Ir-190
To 0.421 %



MAT 7722

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

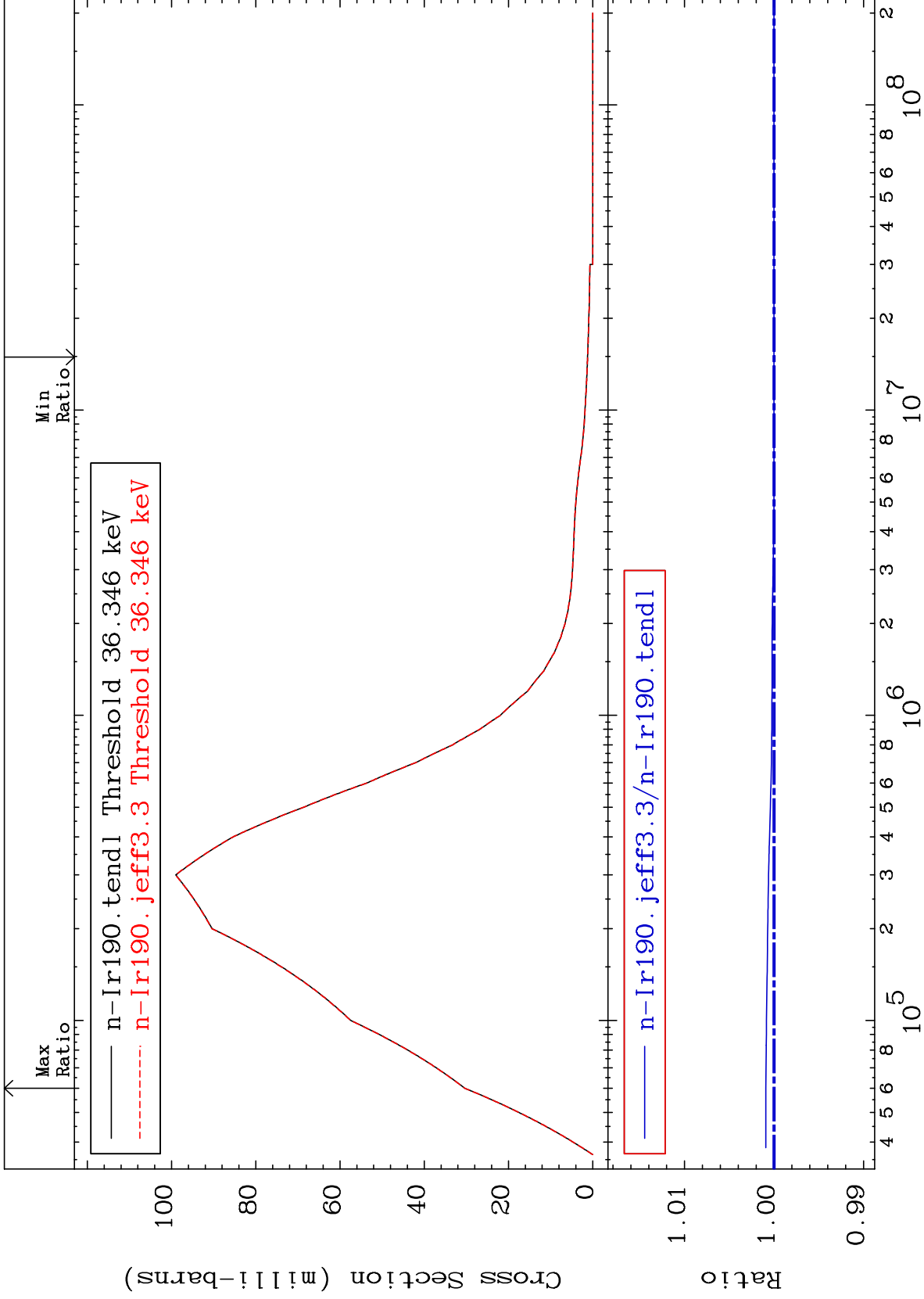
77-Ir-190
0.000 To 0.099 %



MAT 7722

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

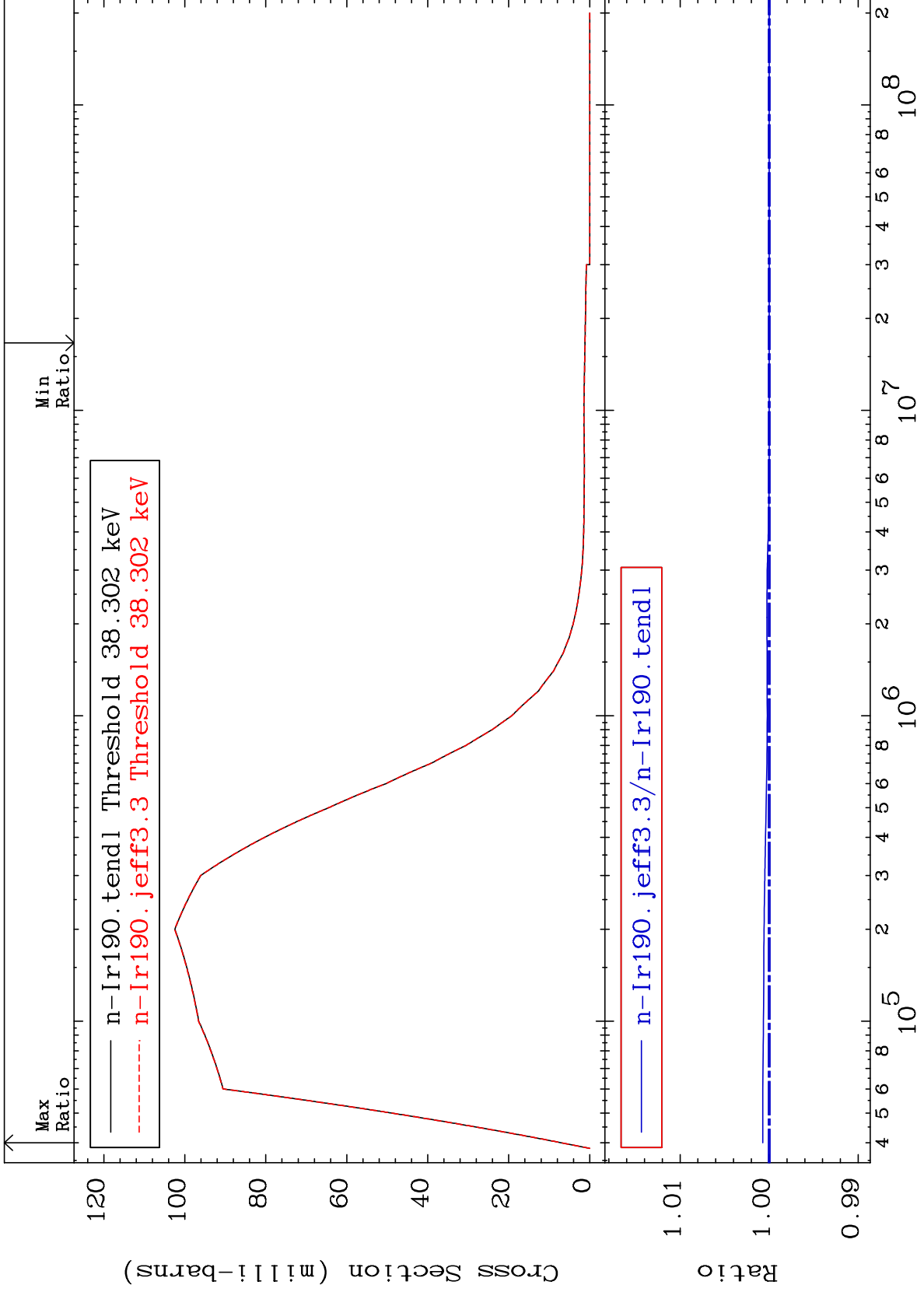
77-Ir-190
0.000 To 0.092 %



MAT 7722

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

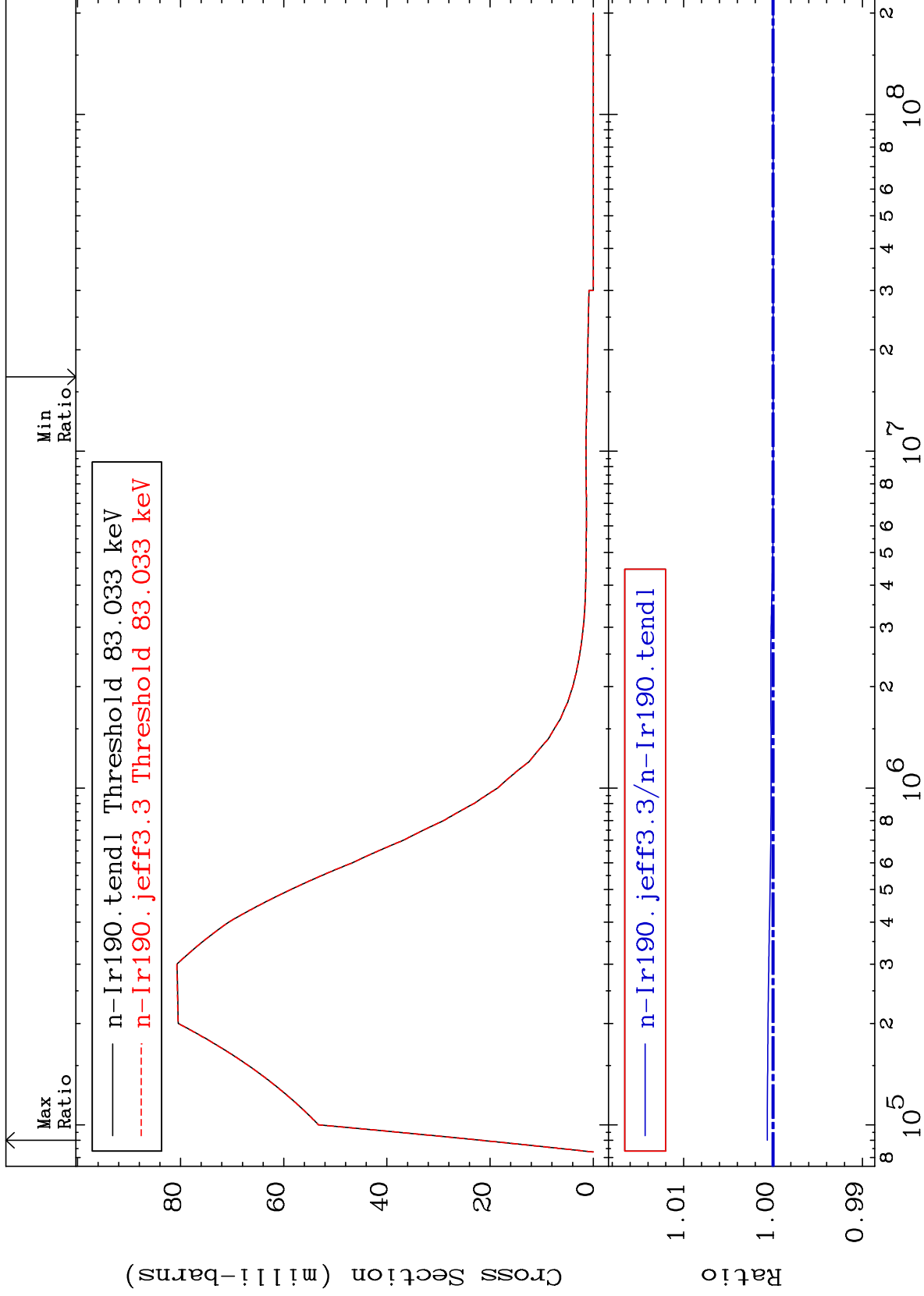
77-Ir-190
0.000 To 0.071 %



MAT 7722

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

77-Ir-190
0.000 To 0.065 %



24

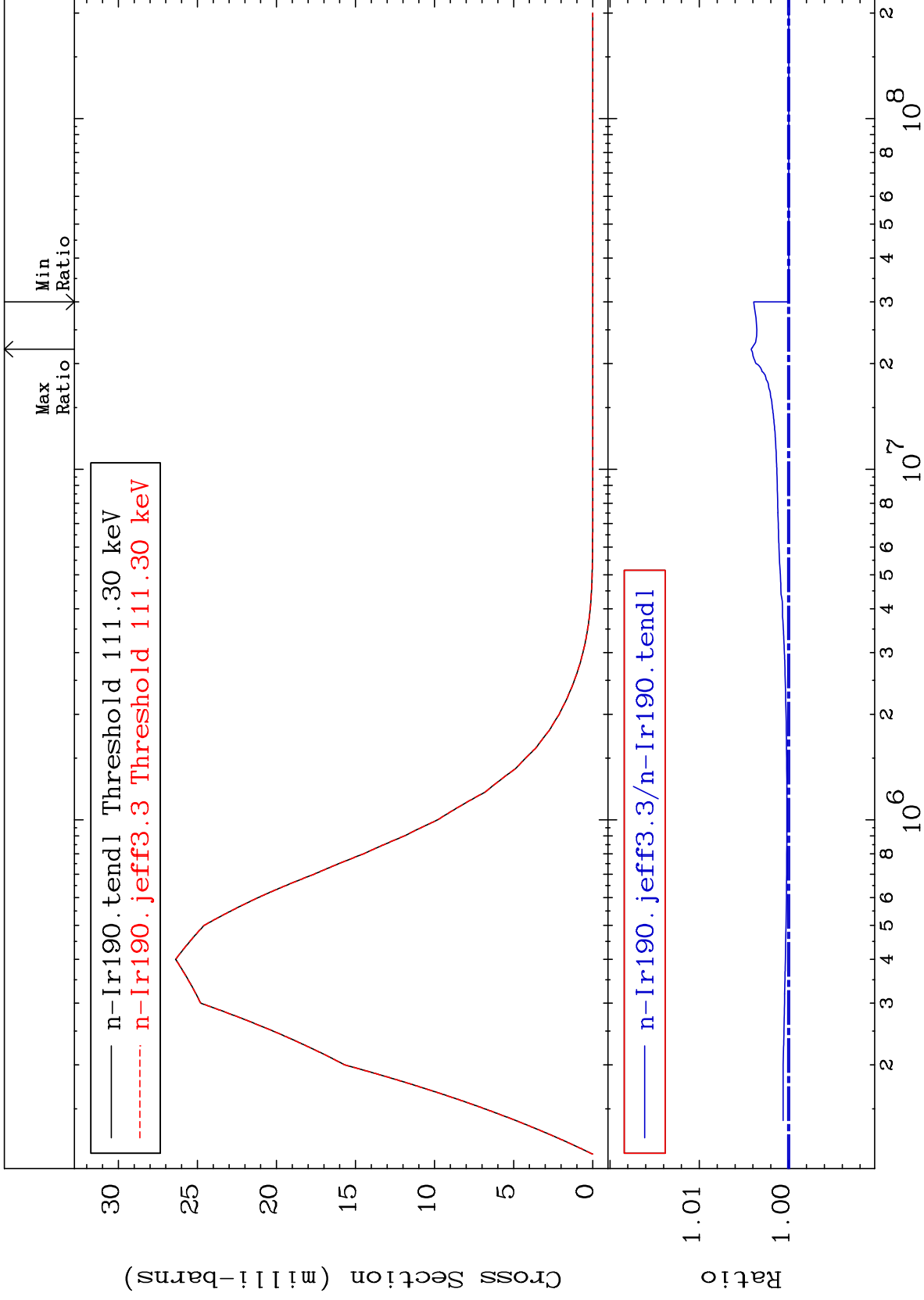
Incident Energy (eV)

77-Ir-190

MAT 7722

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

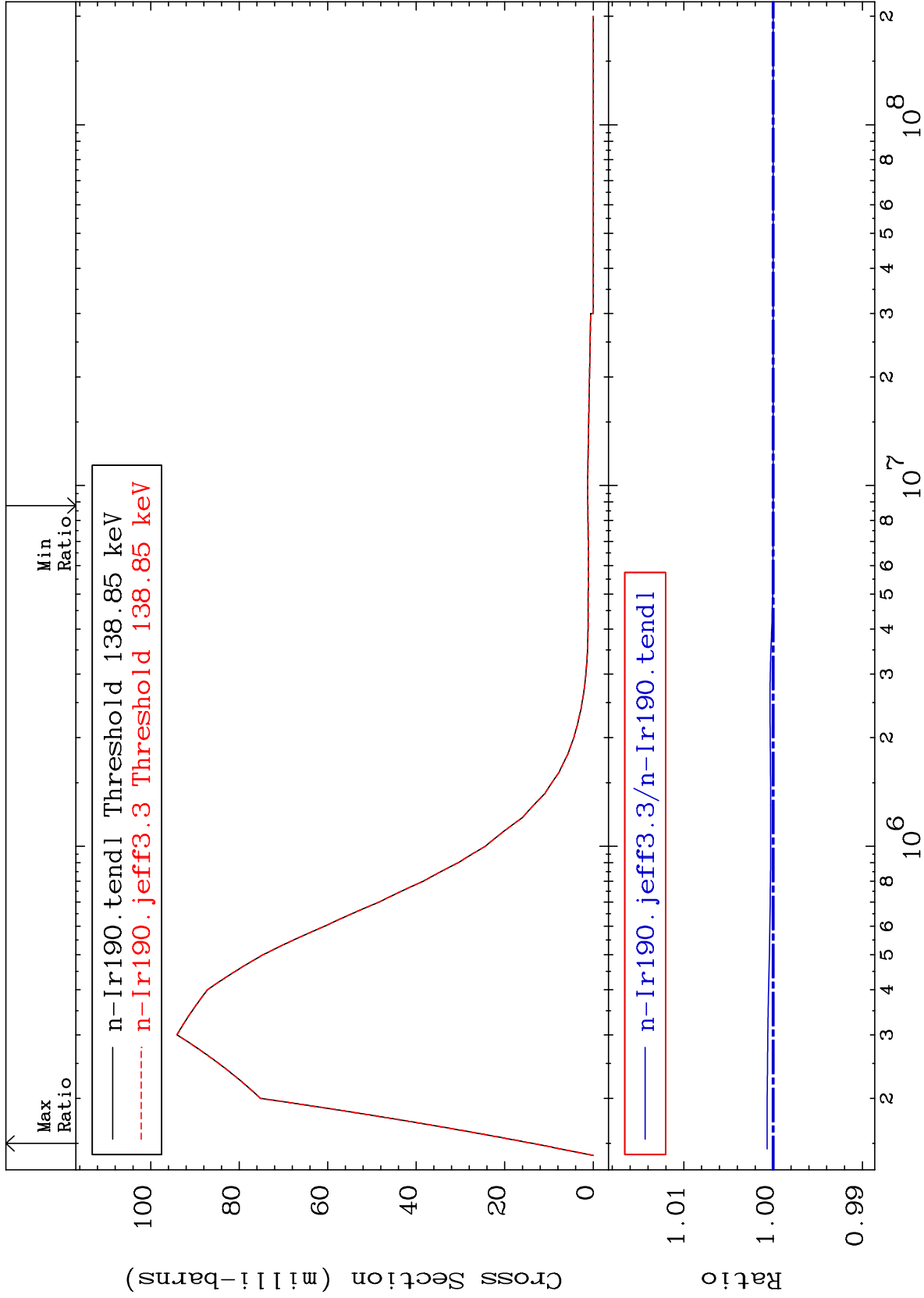
77-Ir-190
0.000 To 0.420 %



MAT 7722

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

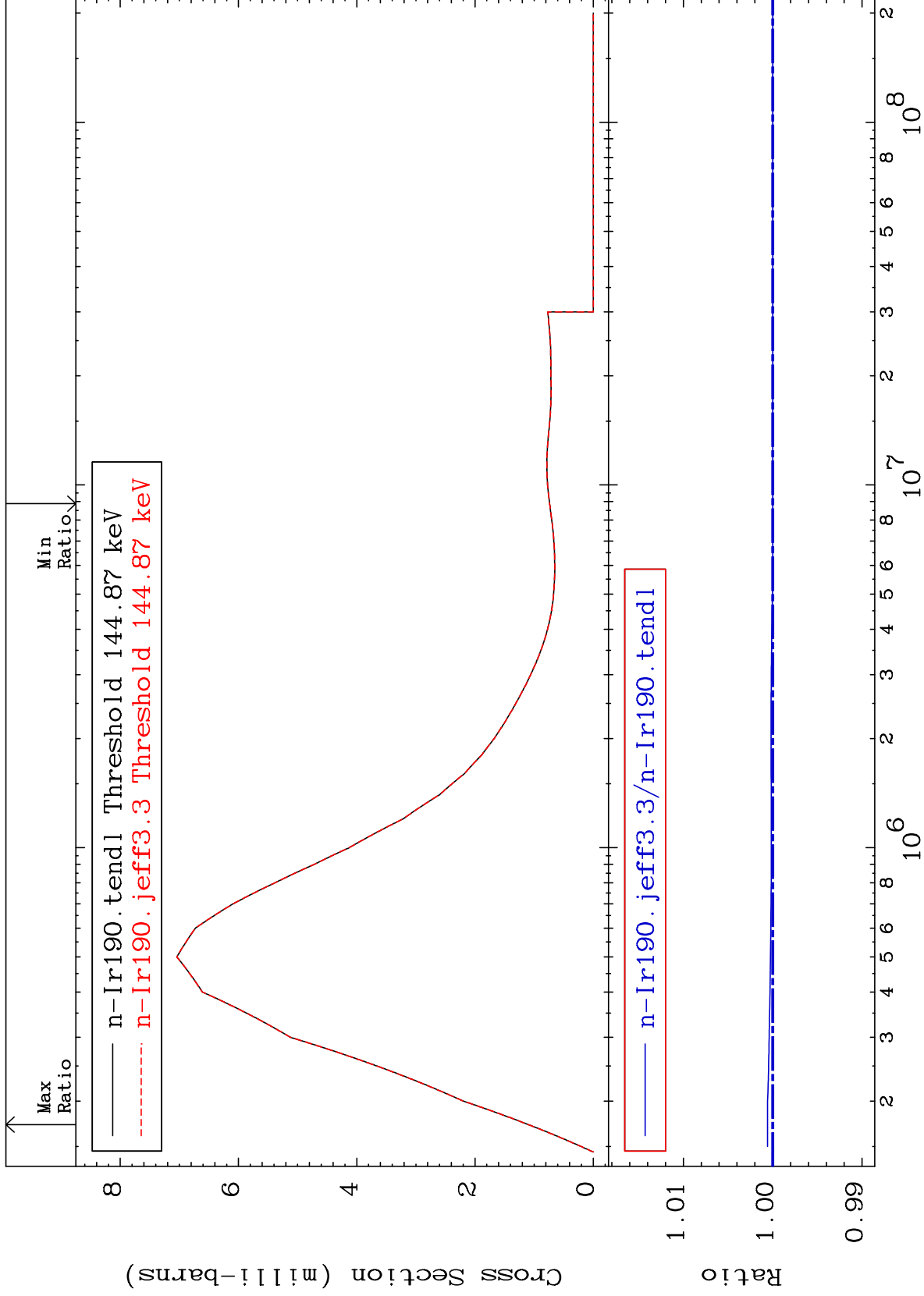
77-Ir-190
0.000 To 0.066 %



MAT 7722

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

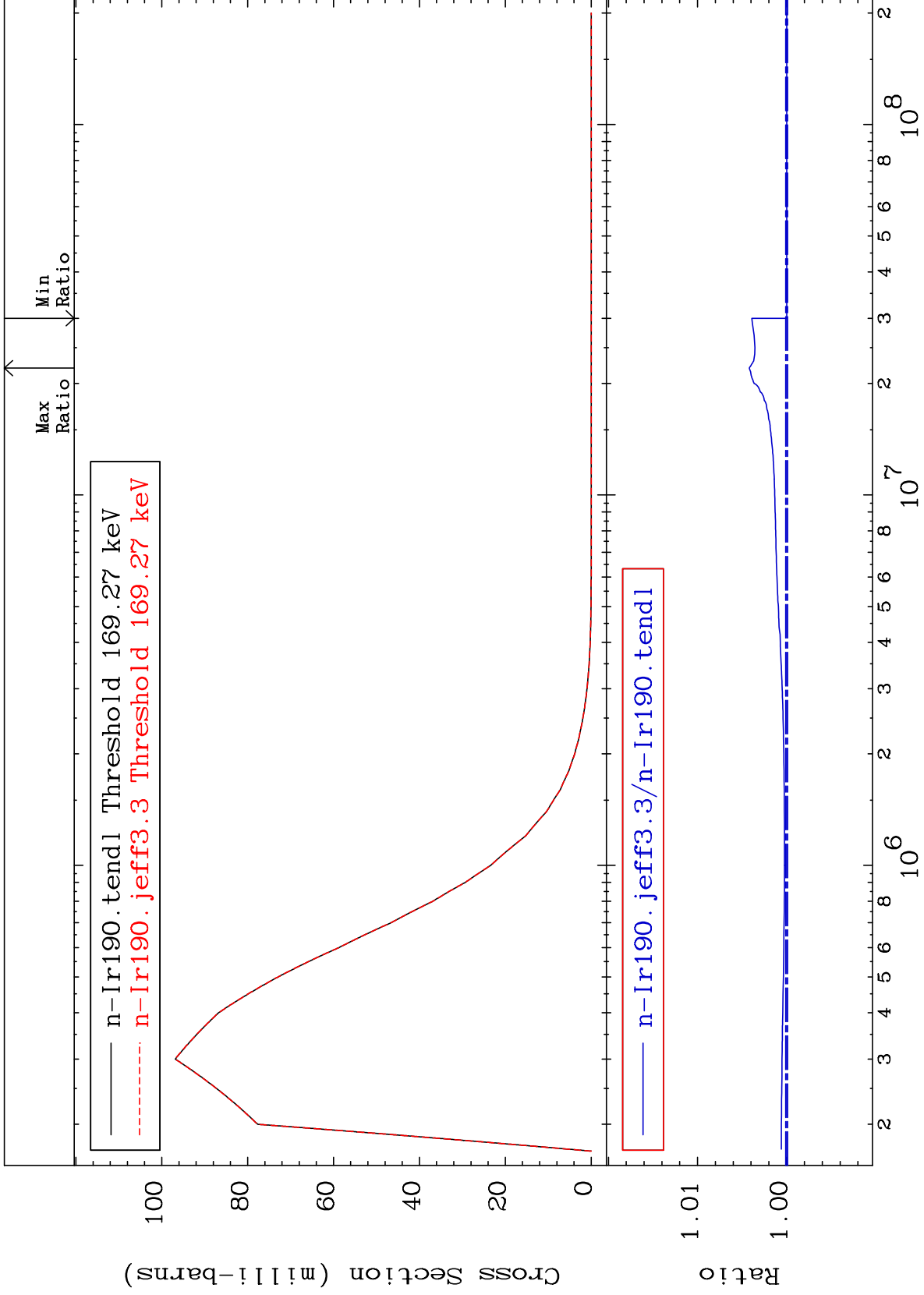
77-Ir-190
0.000 To 0.058 %



MAT 7722

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

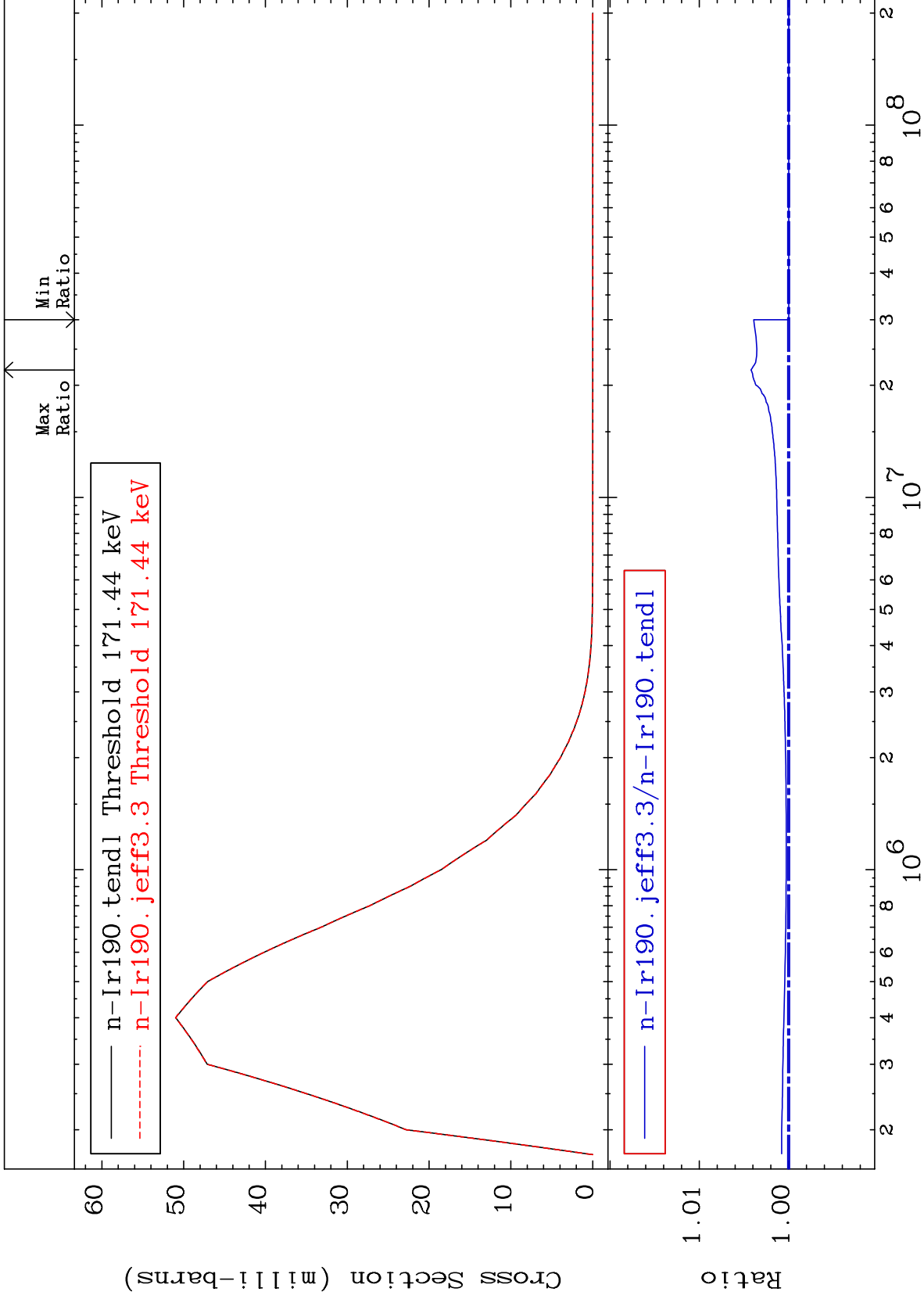
77-Ir-190
To 0.420 %



MAT 7722

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

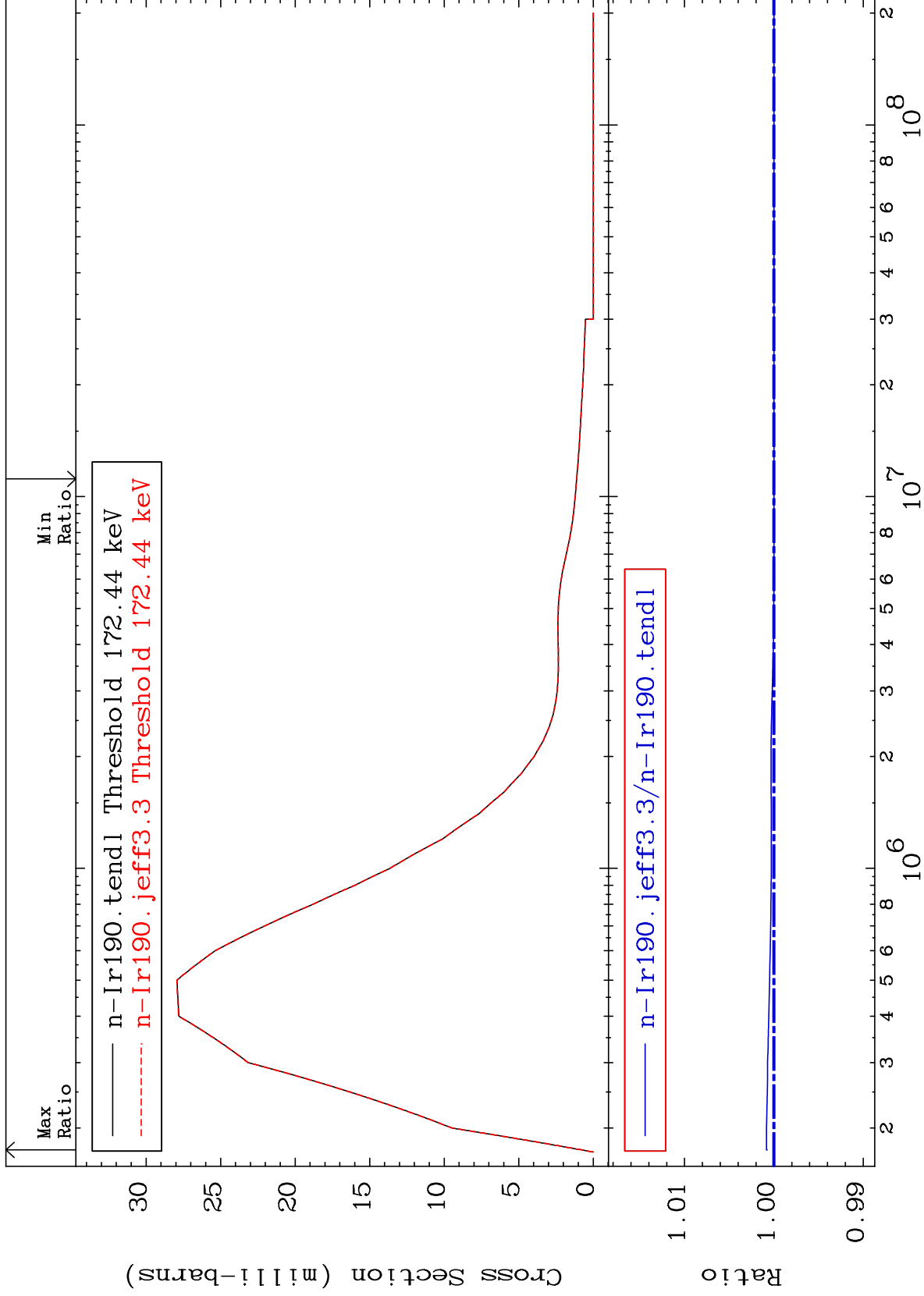
77-Ir-190
To 0.421 %



MAT 7722

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

77-Ir-190
0.000 To 0.084 %



30

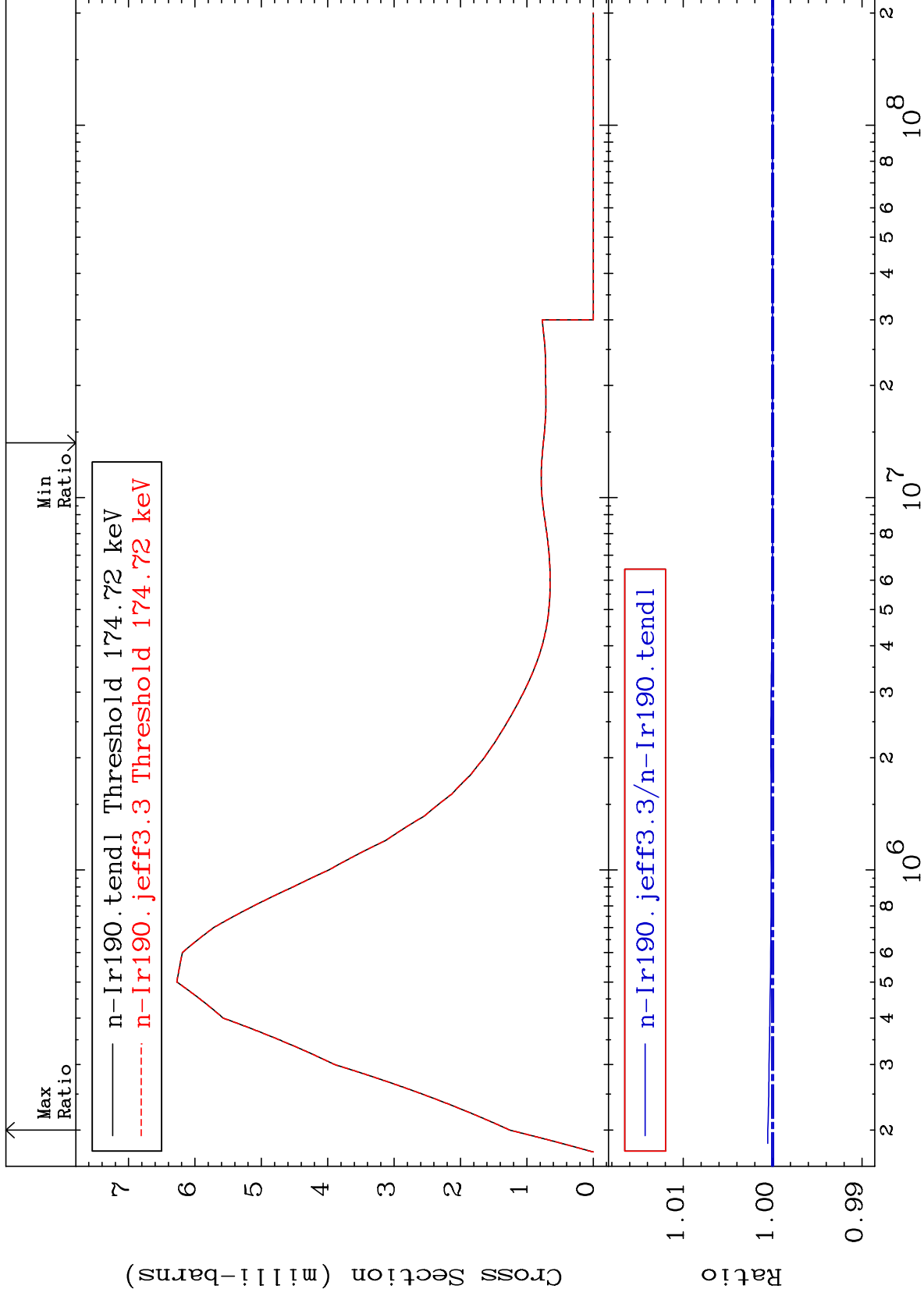
Incident Energy (eV)

77-Ir-190

MAT 7722

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

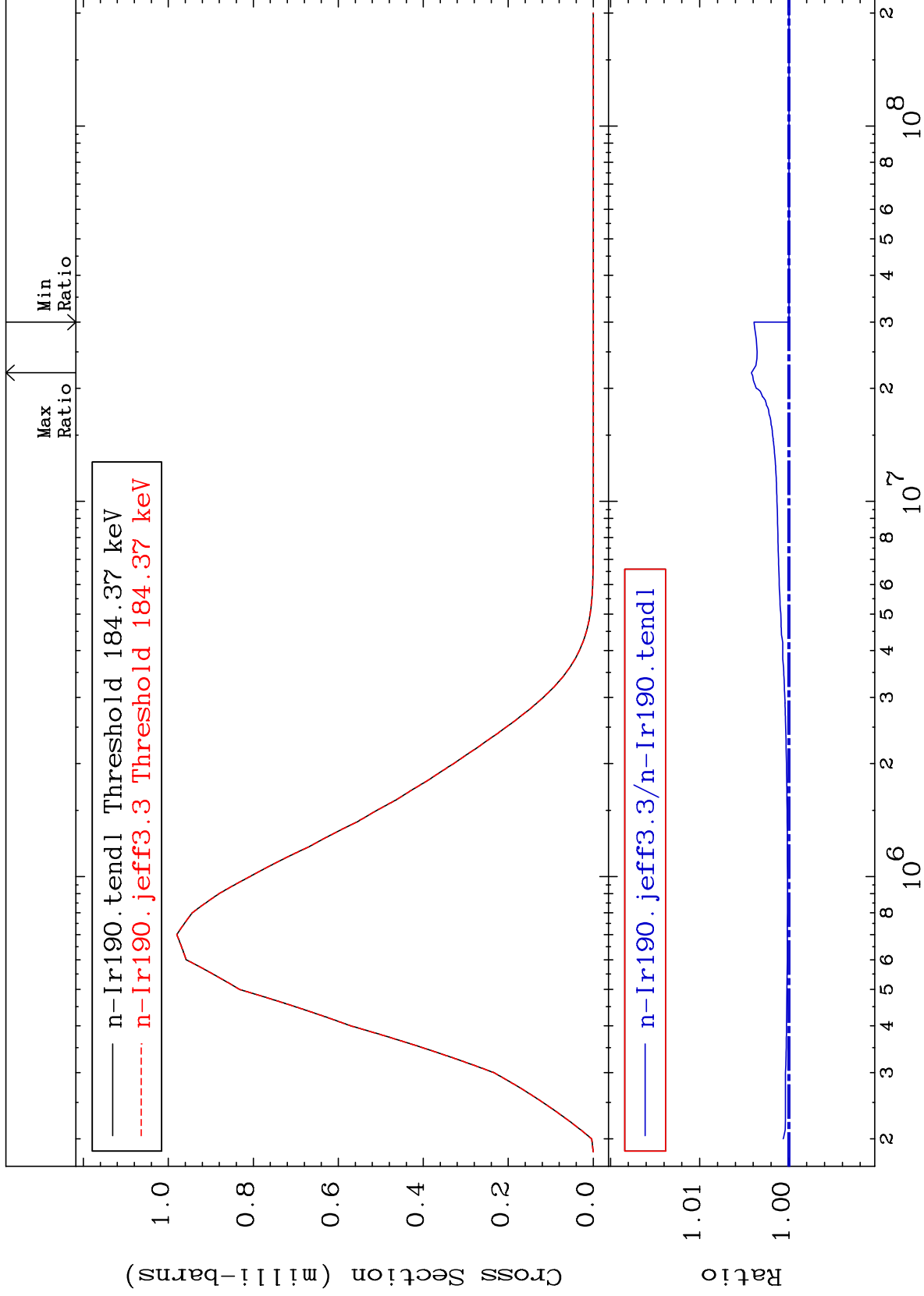
77-Ir-190
0.000 To 0.055 %



MAT 7722

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

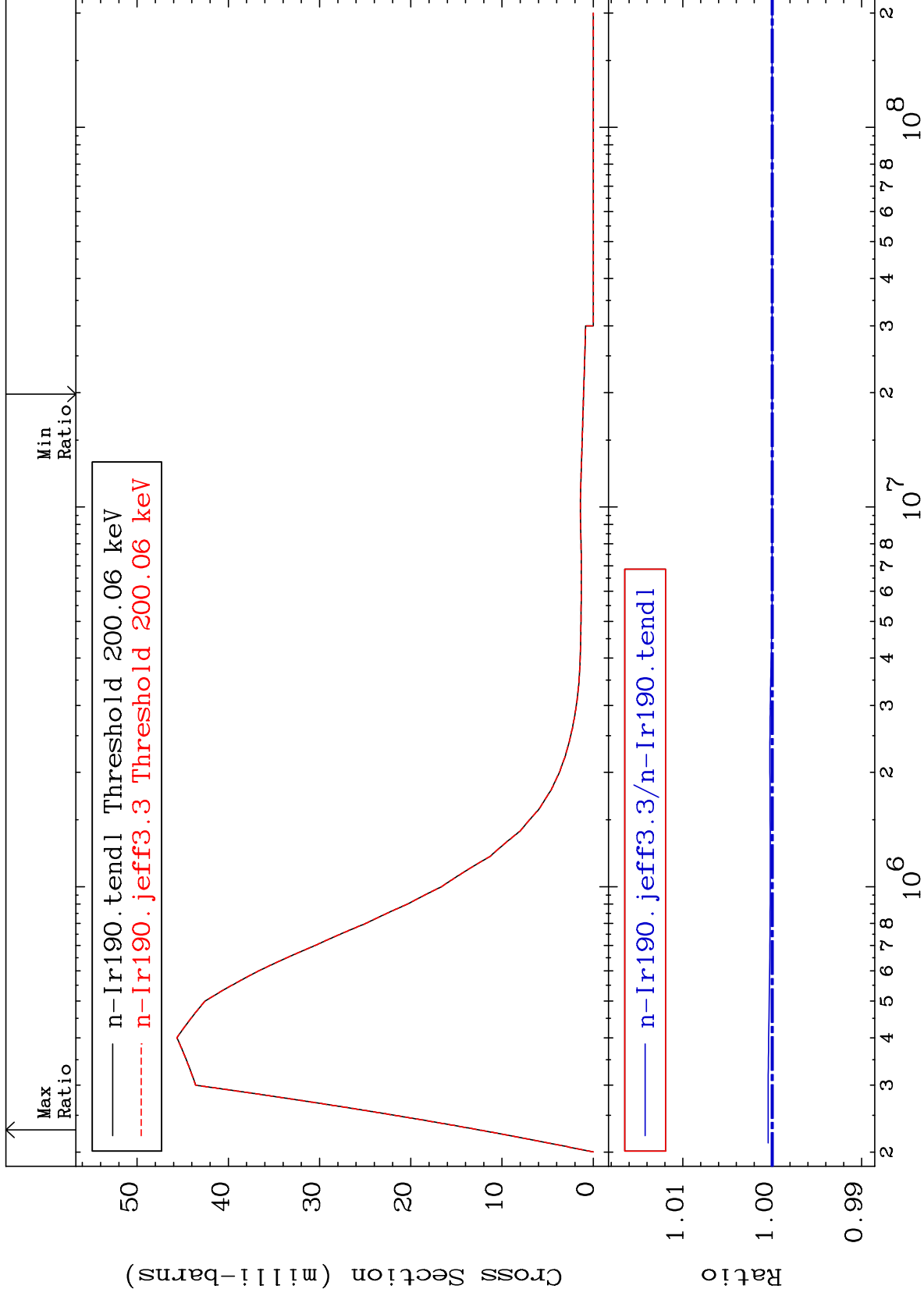
77-Ir-190
0.000 To 0.420 %



MAT 7722

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

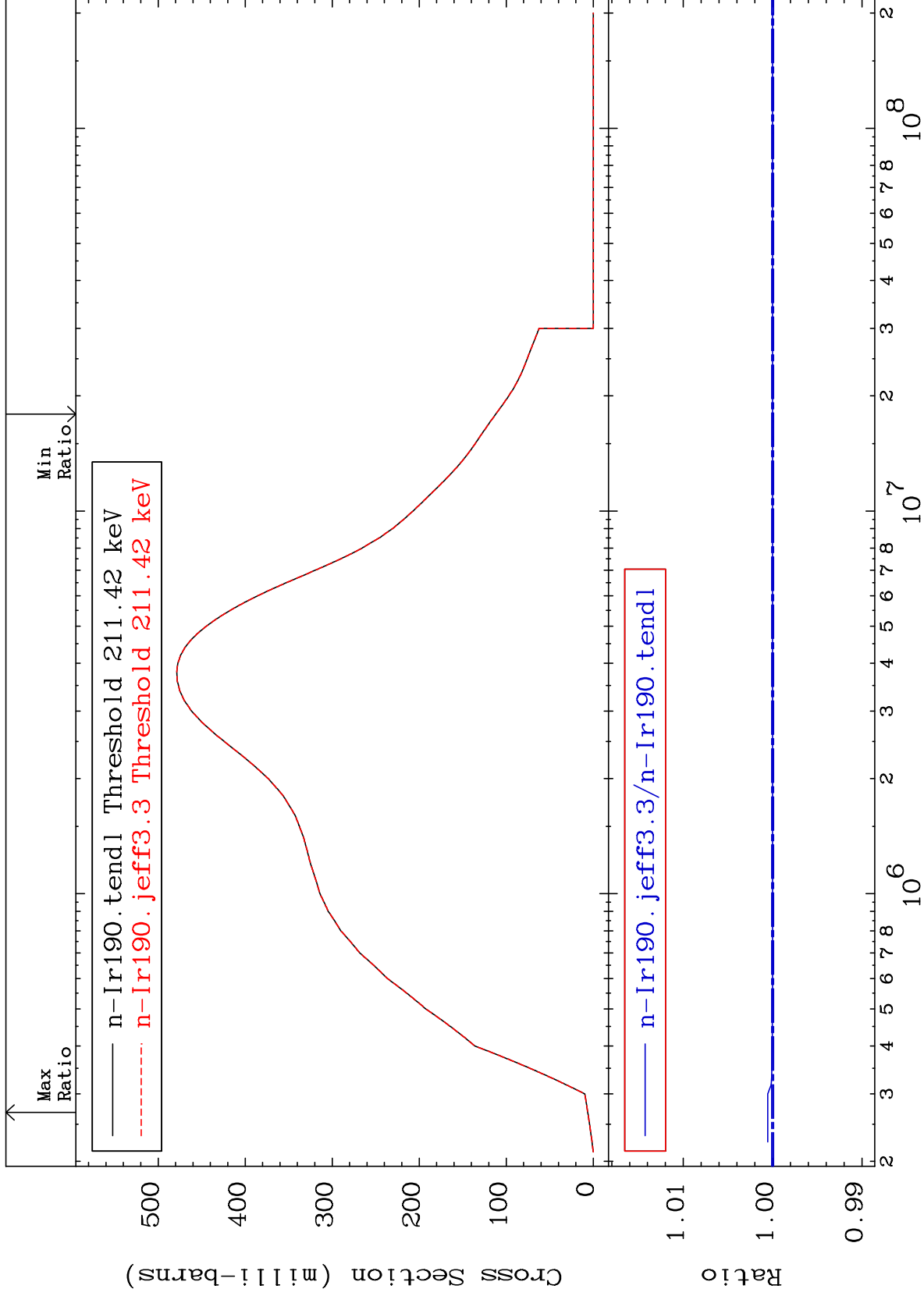
77-Ir-190
0.000 To 0.045 %



MAT 7722

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

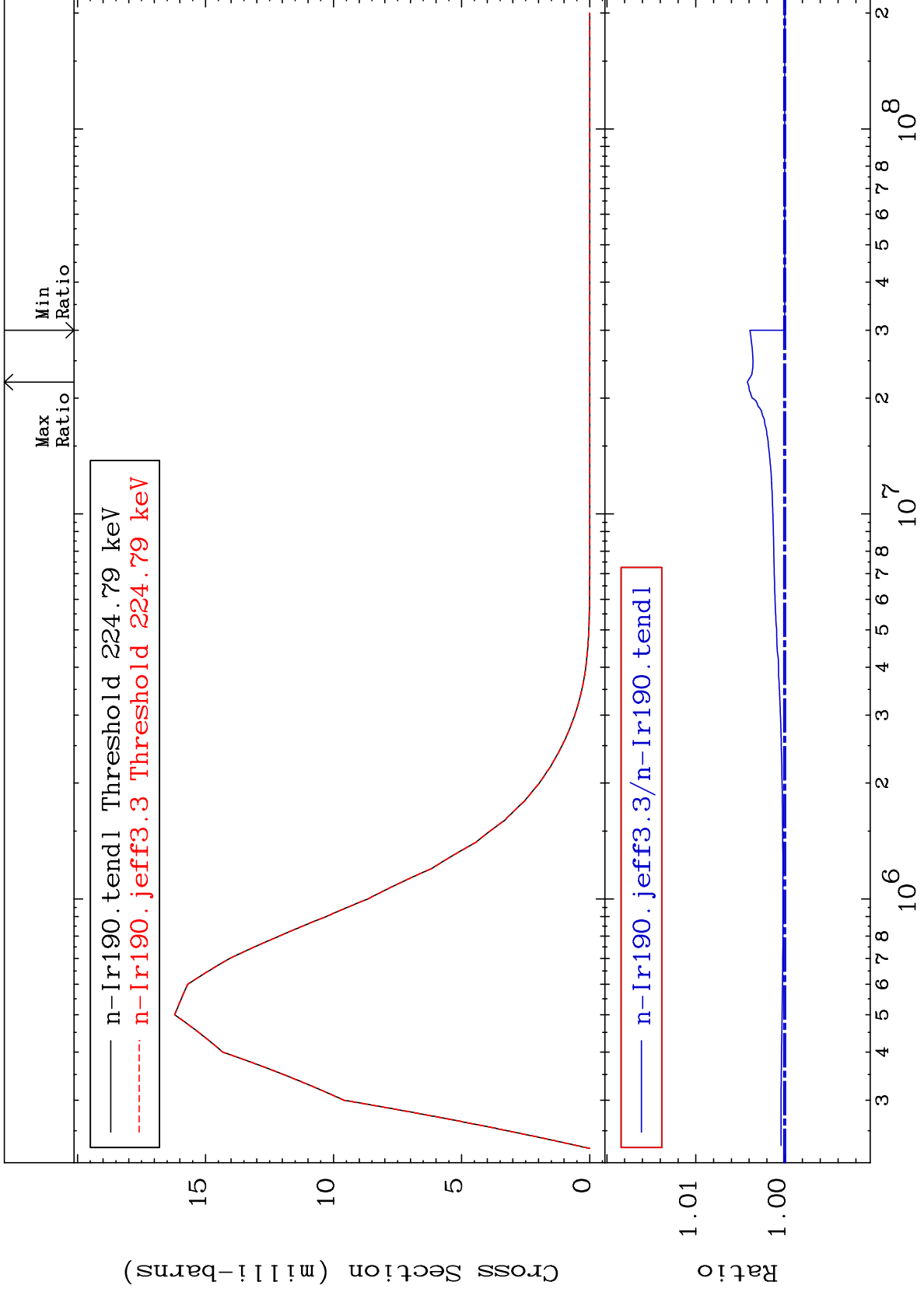
77-Ir-190
0.000 To 0.055 %



MAT 7722

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

77-Ir-190
0.000 To 0.421 %



35

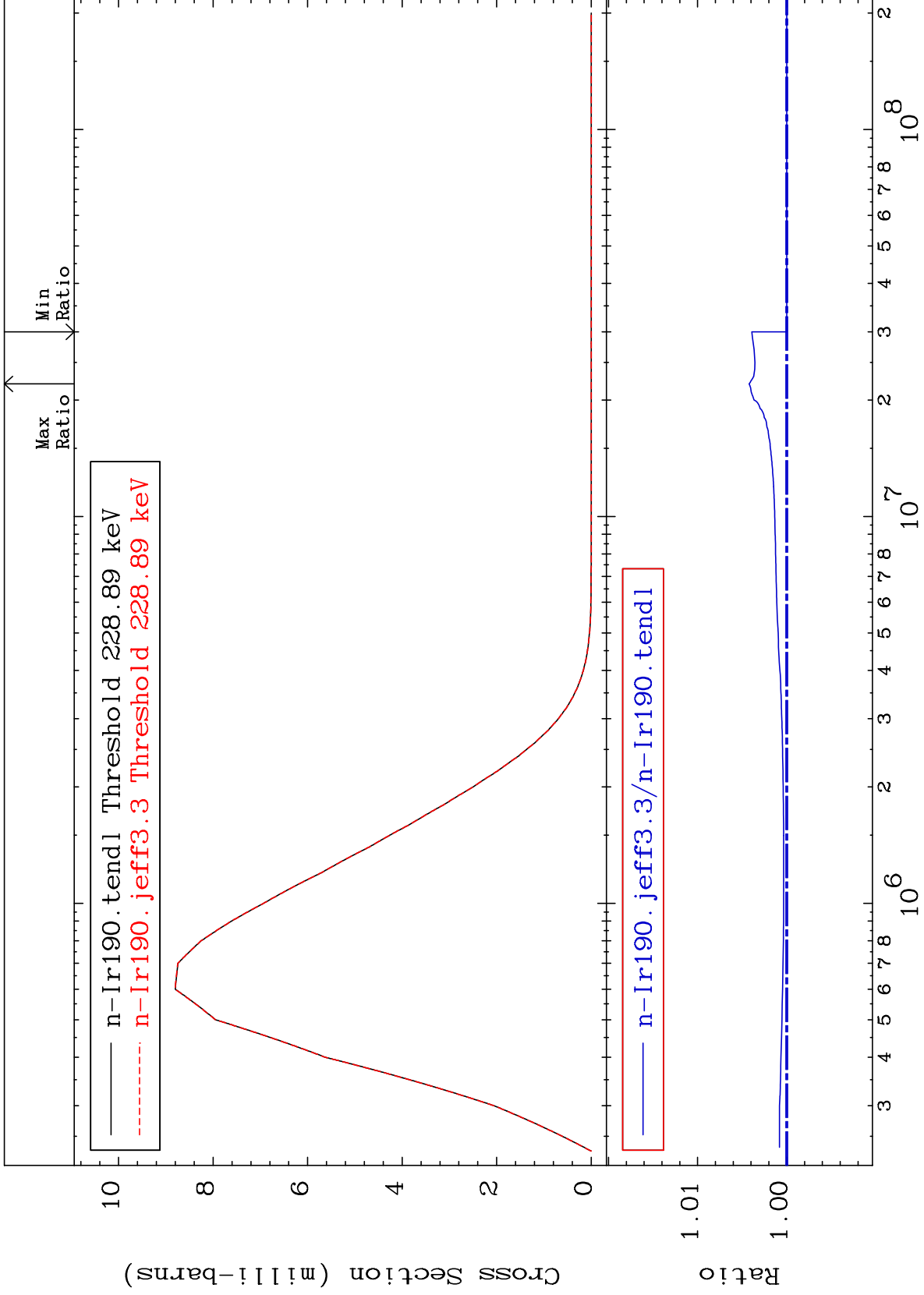
Incident Energy (eV)

77-Ir-190

MAT 7722

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

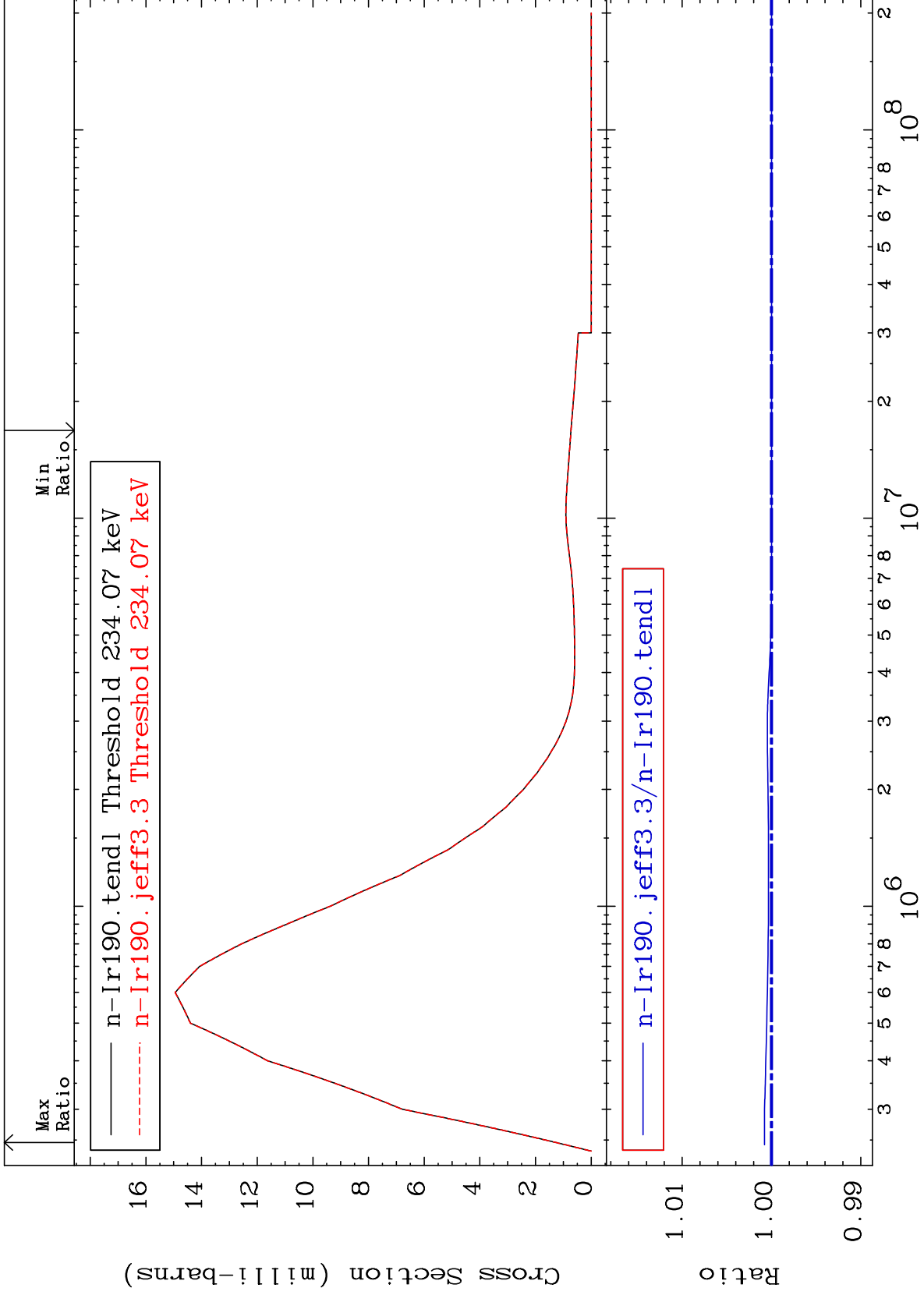
77-Ir-190
0.000 To 0.421 %



MAT 7722

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

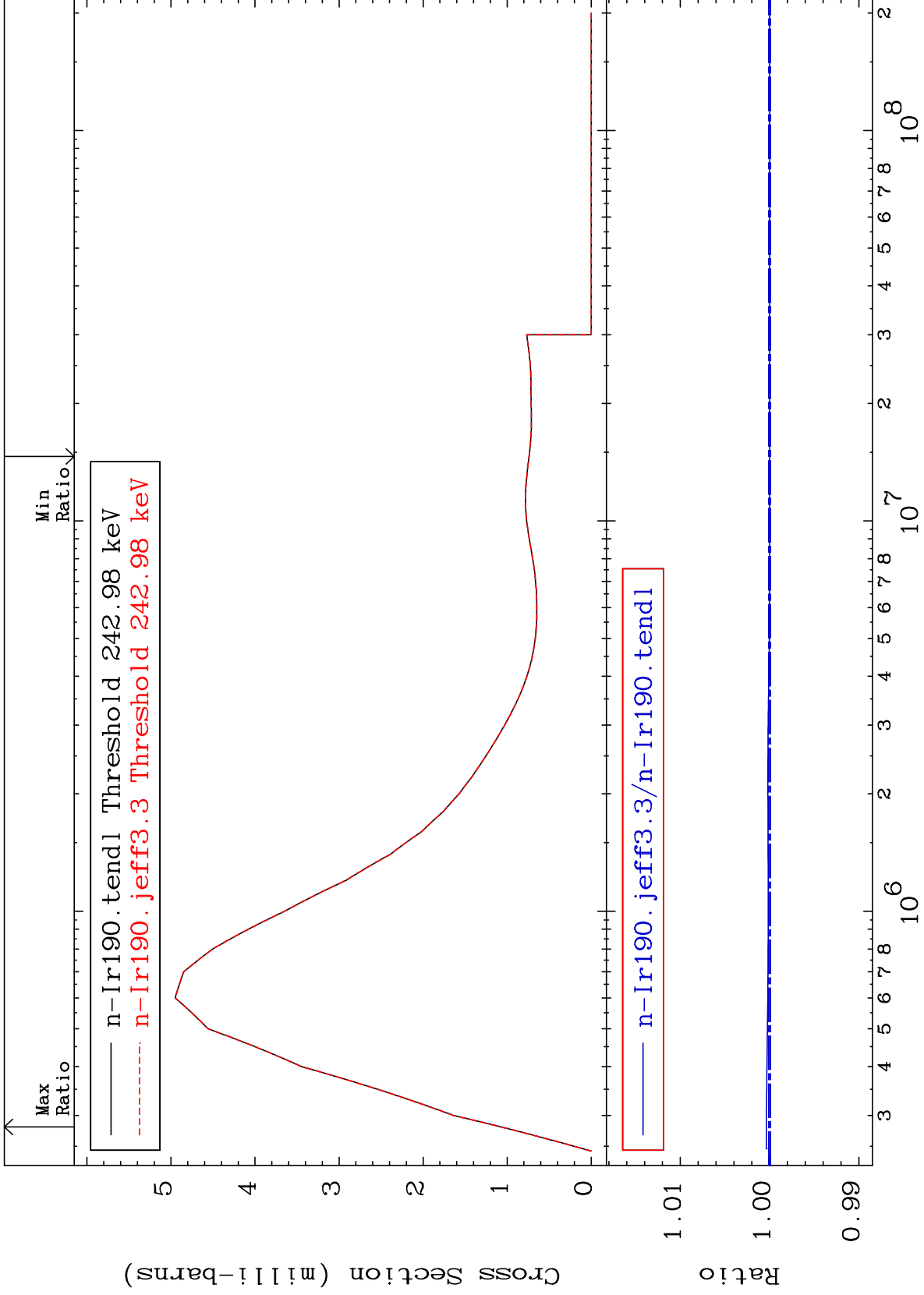
77-Ir-190
0.000 To 0.079 %



MAT 7722

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

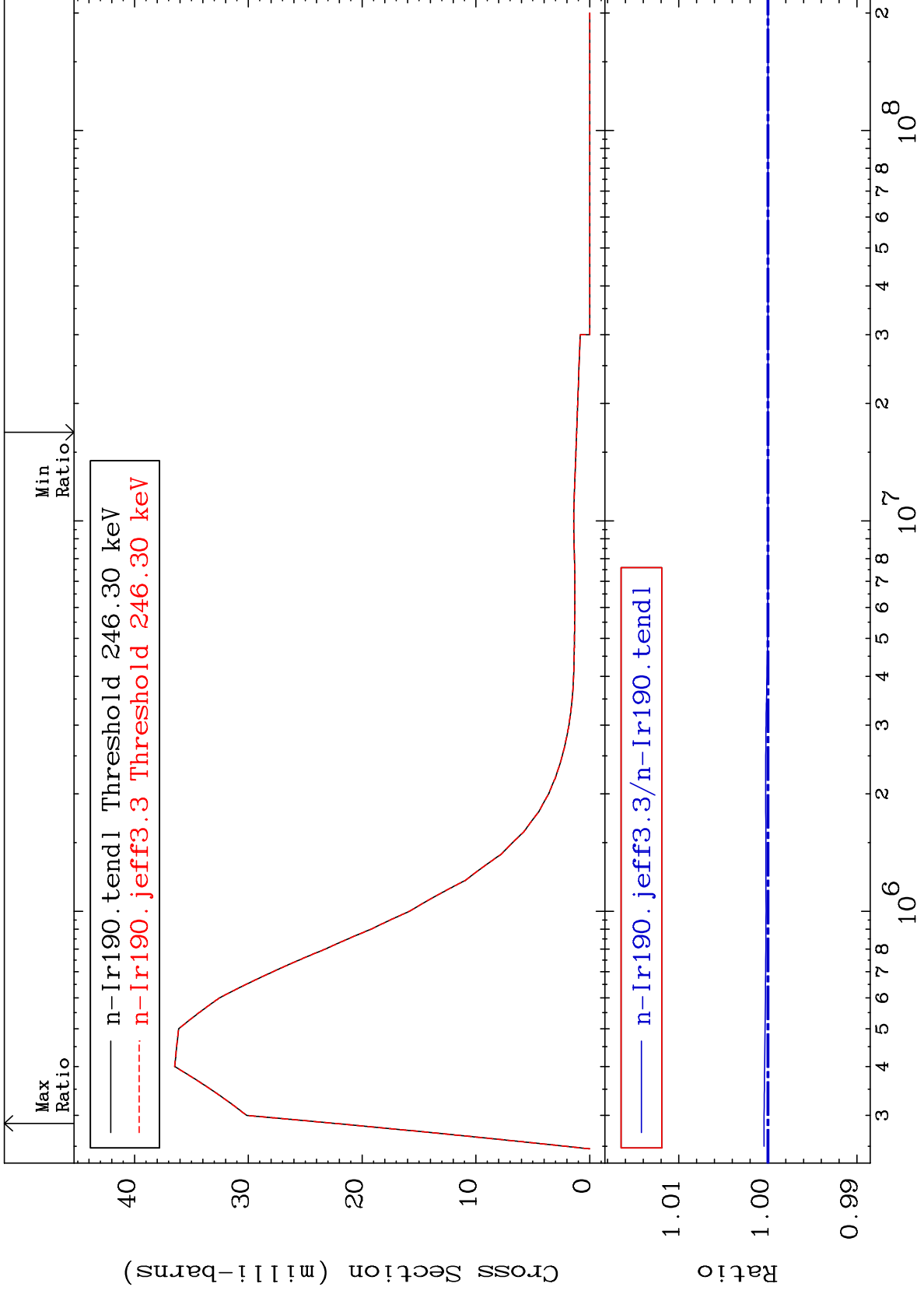
77-Ir-190
0.000 To 0.037 %



MAT 7722

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

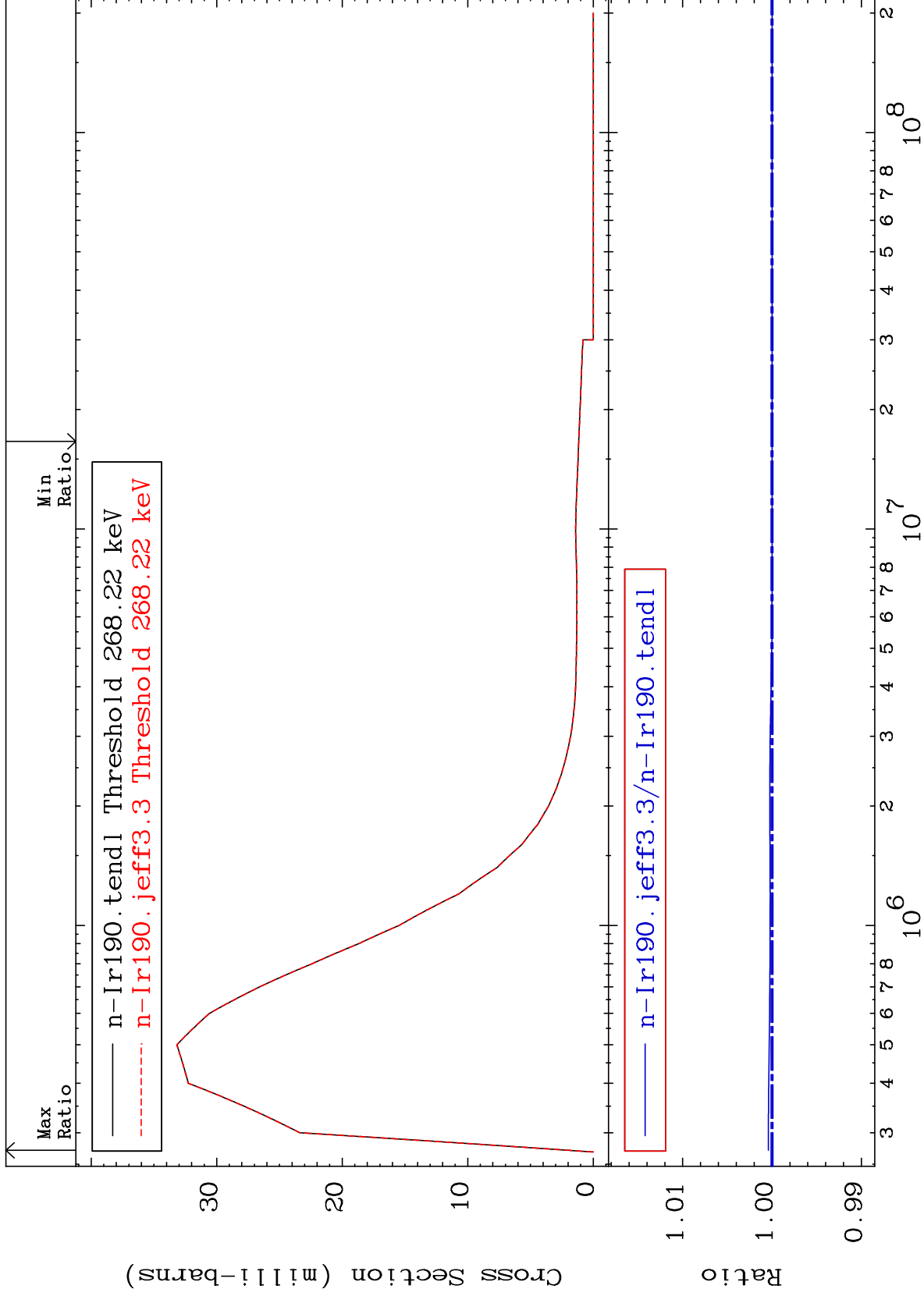
77-Ir-190
0.000 To 0.043 %



MAT 7722

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

77-Ir-190
0.000 To 0.042 %



40

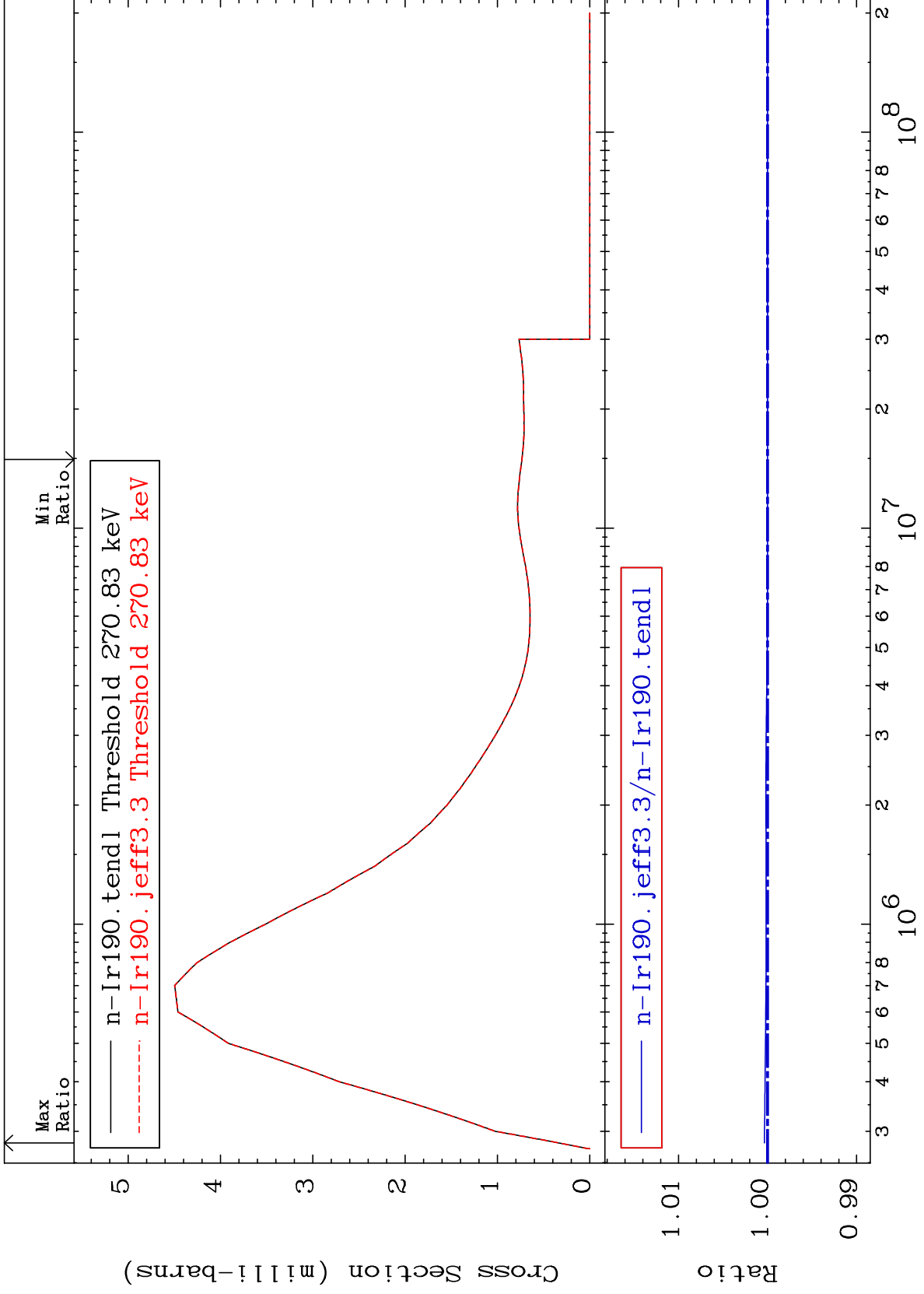
Incident Energy (eV)

77-Ir-190

MAT 7722

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

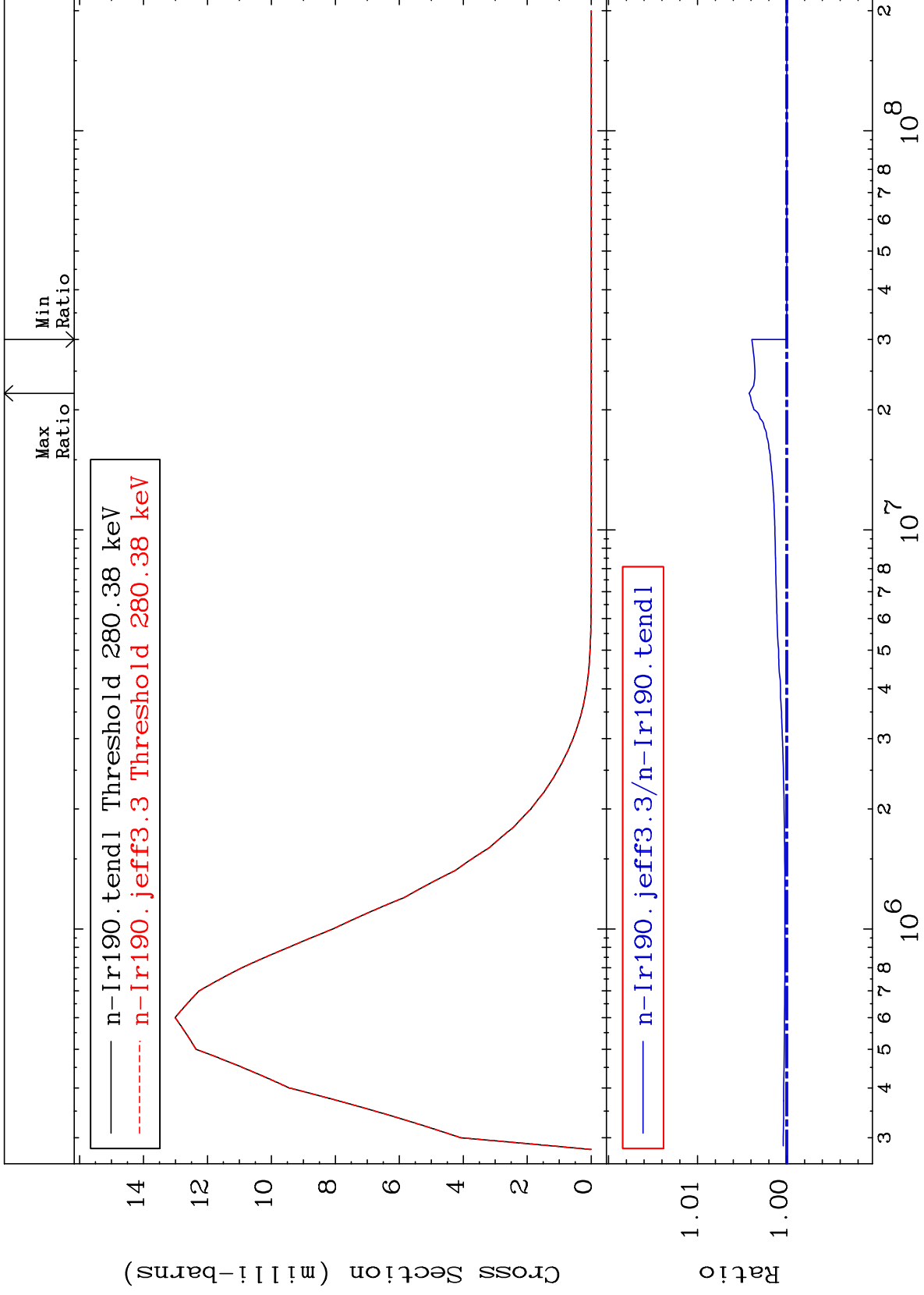
77-Ir-190
0.000 To 0.035 %



MAT 7722

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

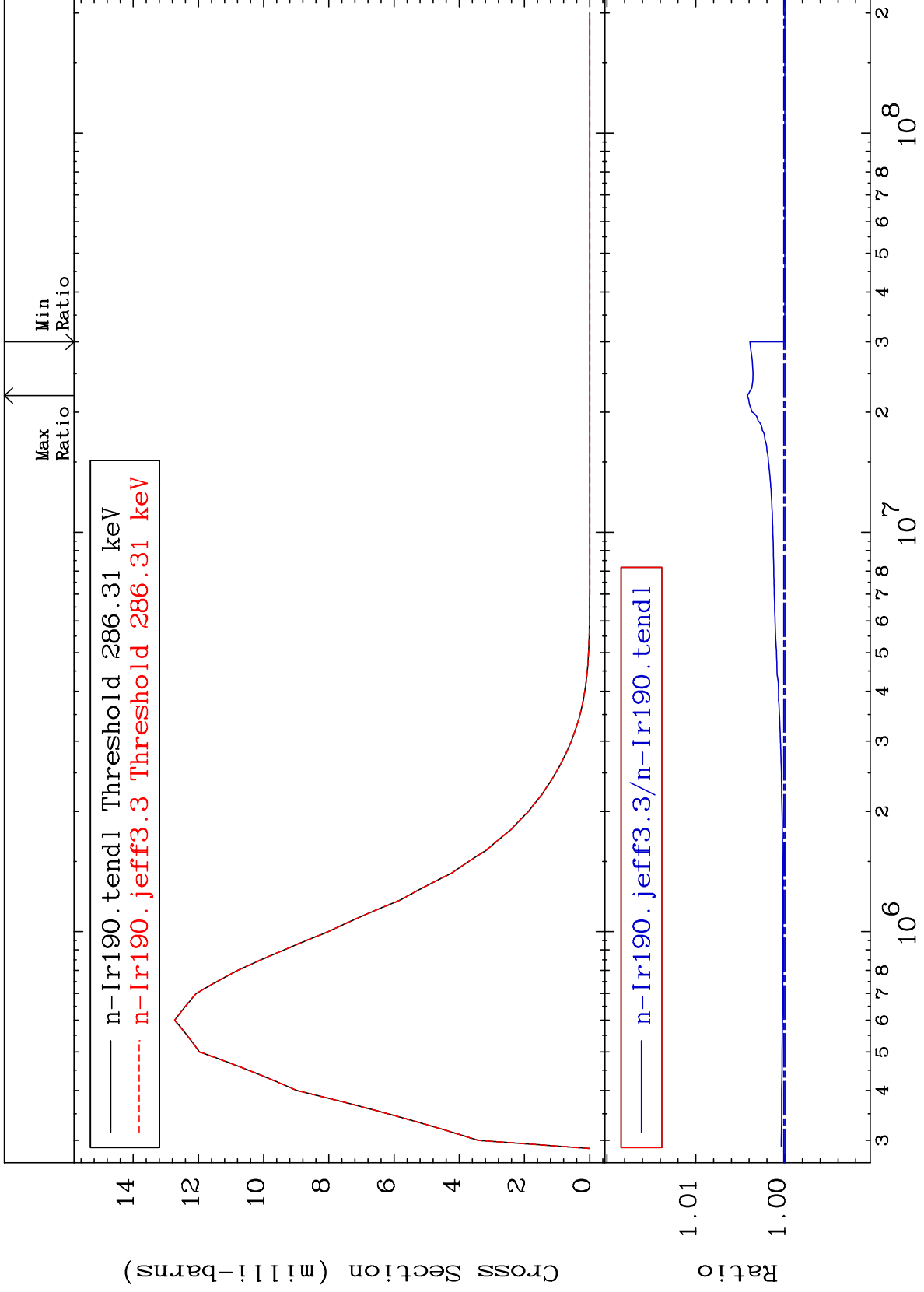
77-Ir-190
0.000 To 0.421 %



MAT 7722

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

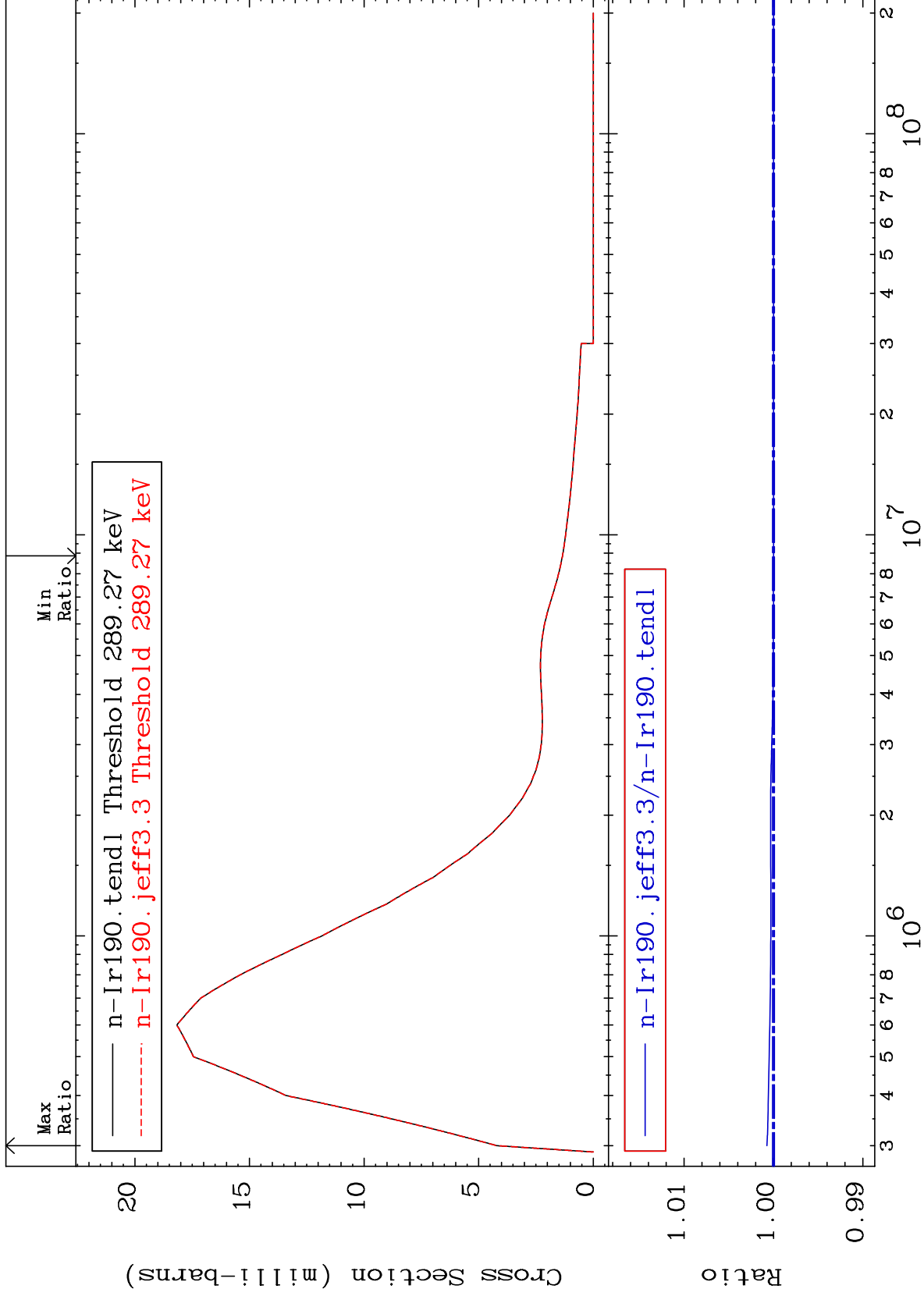
77-Ir-190
0.000 To 0.420 %



MAT 7722

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

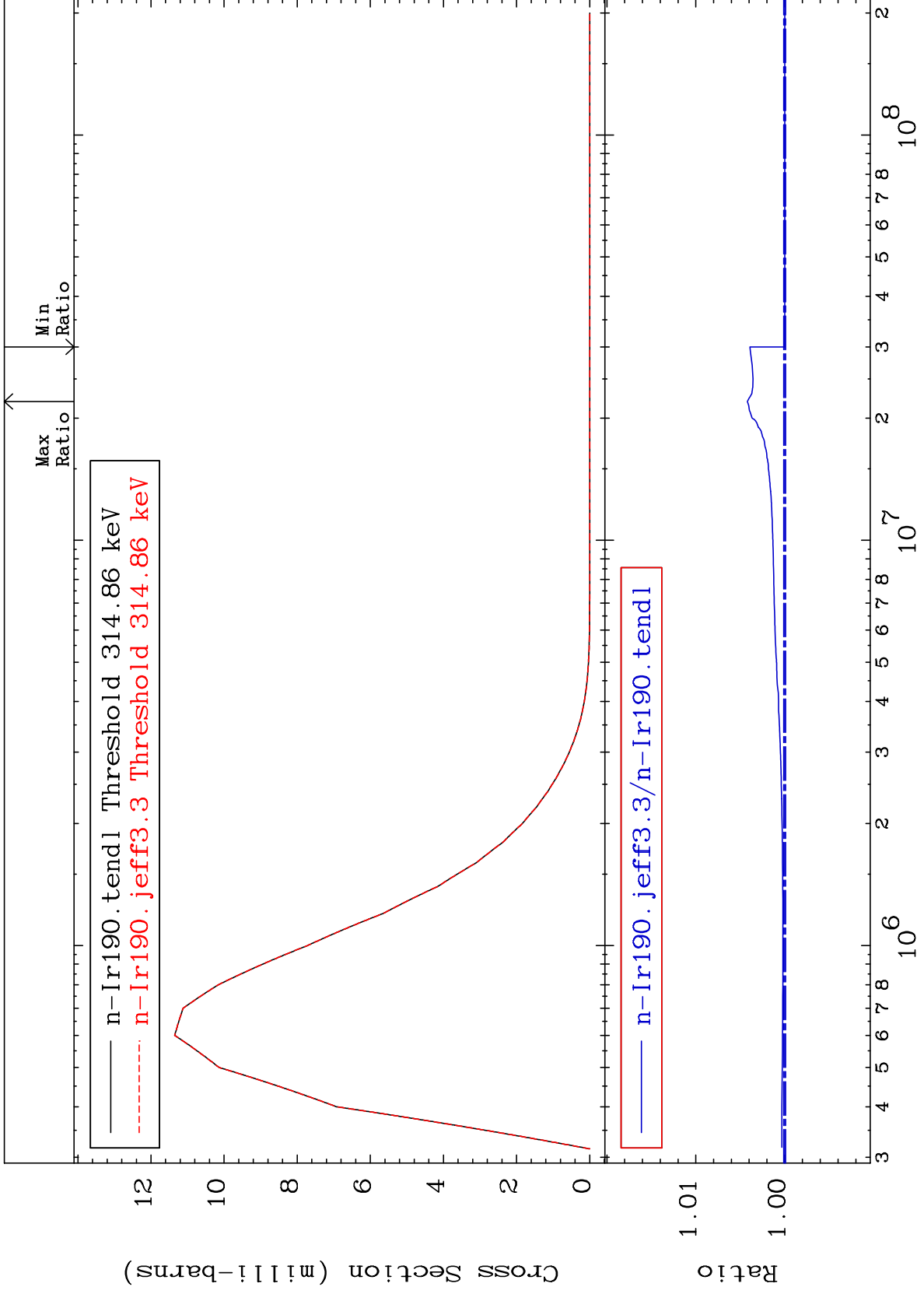
77-Ir-190
0.000 To 0.074 %



MAT 7722

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

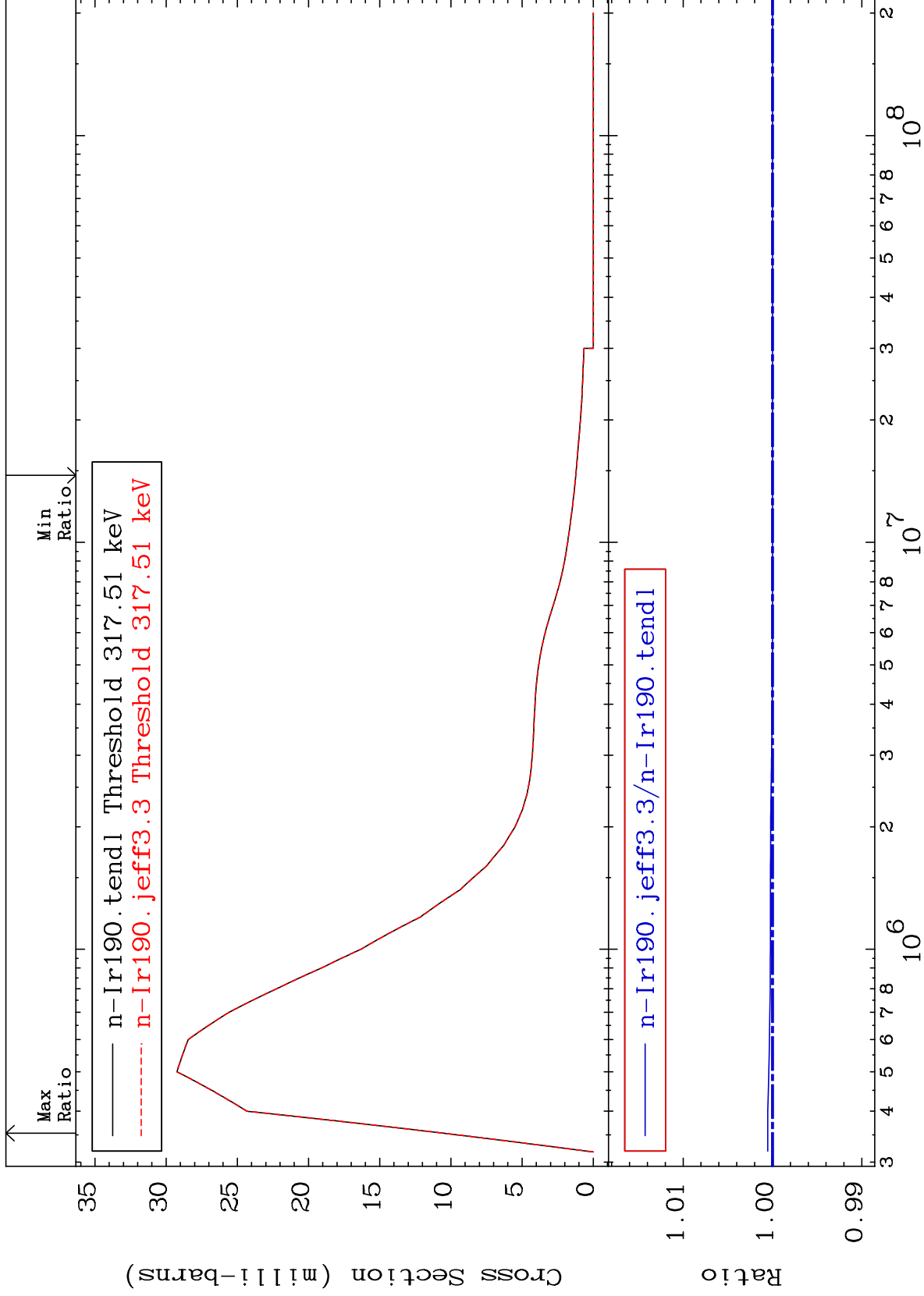
77-Ir-190
0.000 To 0.421 %



MAT 7722

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

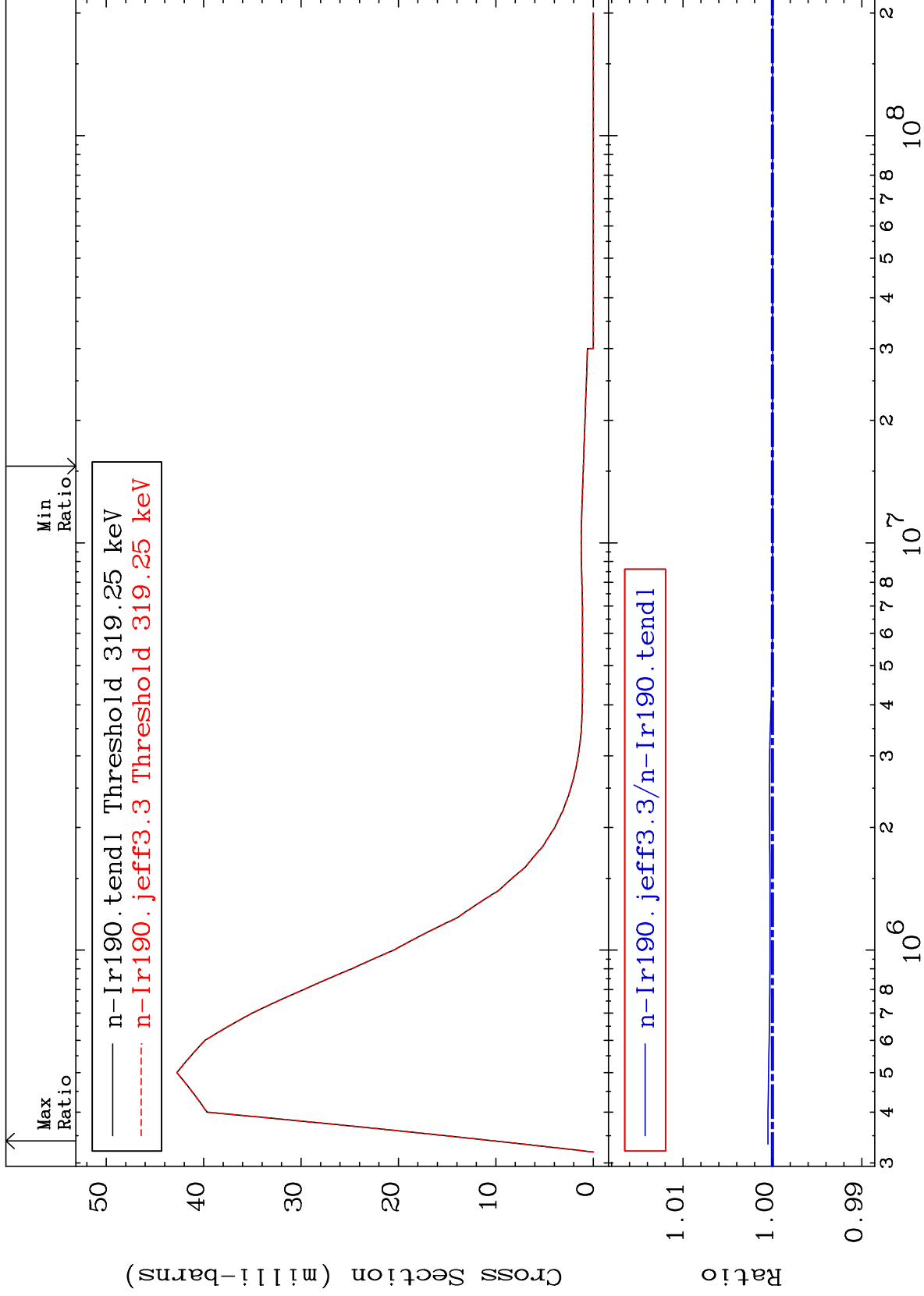
77-Ir-190
0.000 To 0.053 %



MAT 7722

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

77-Ir-190
0.000 To 0.051 %



47

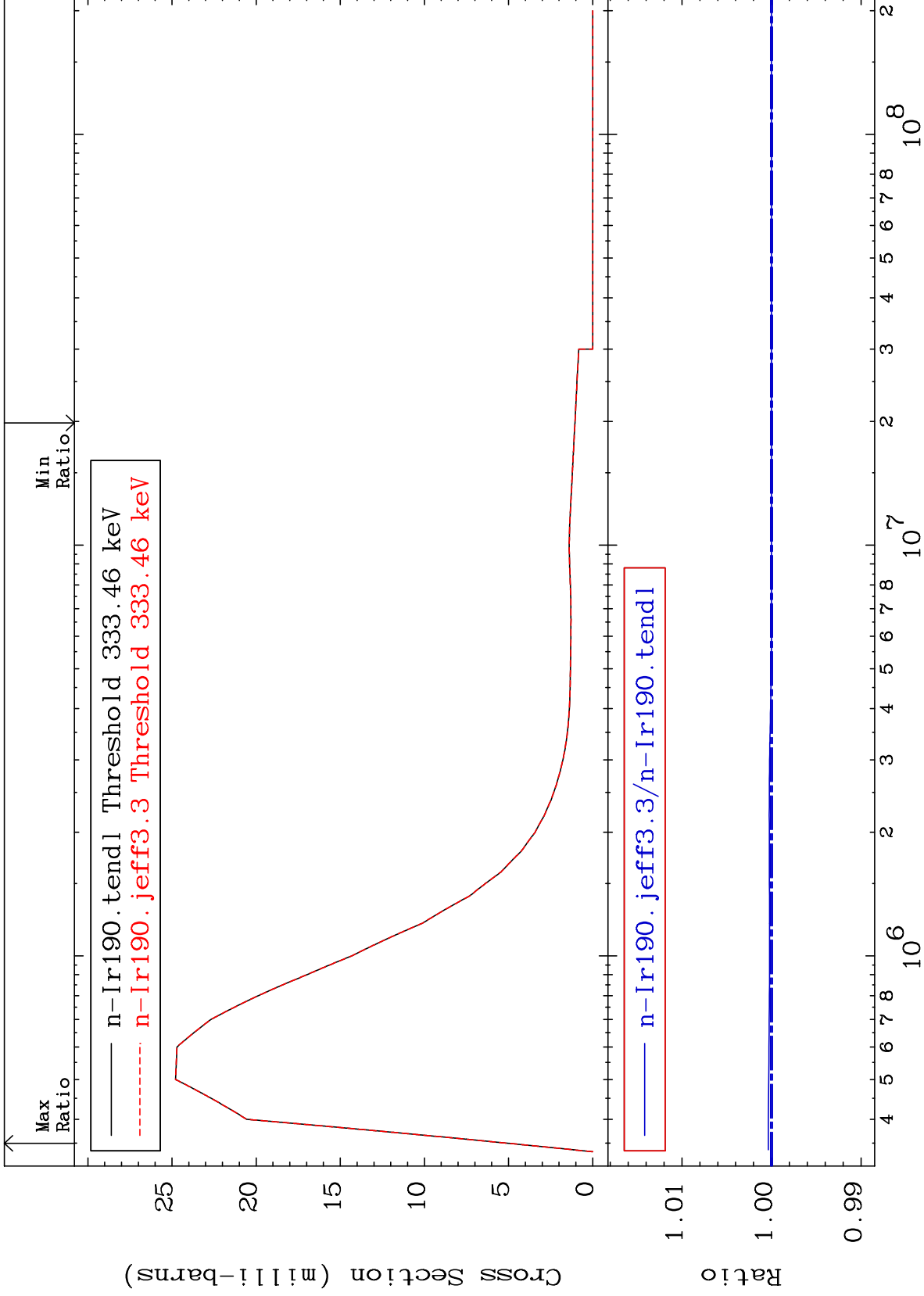
77-Ir-190

77-Ir-190

MAT 7722

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

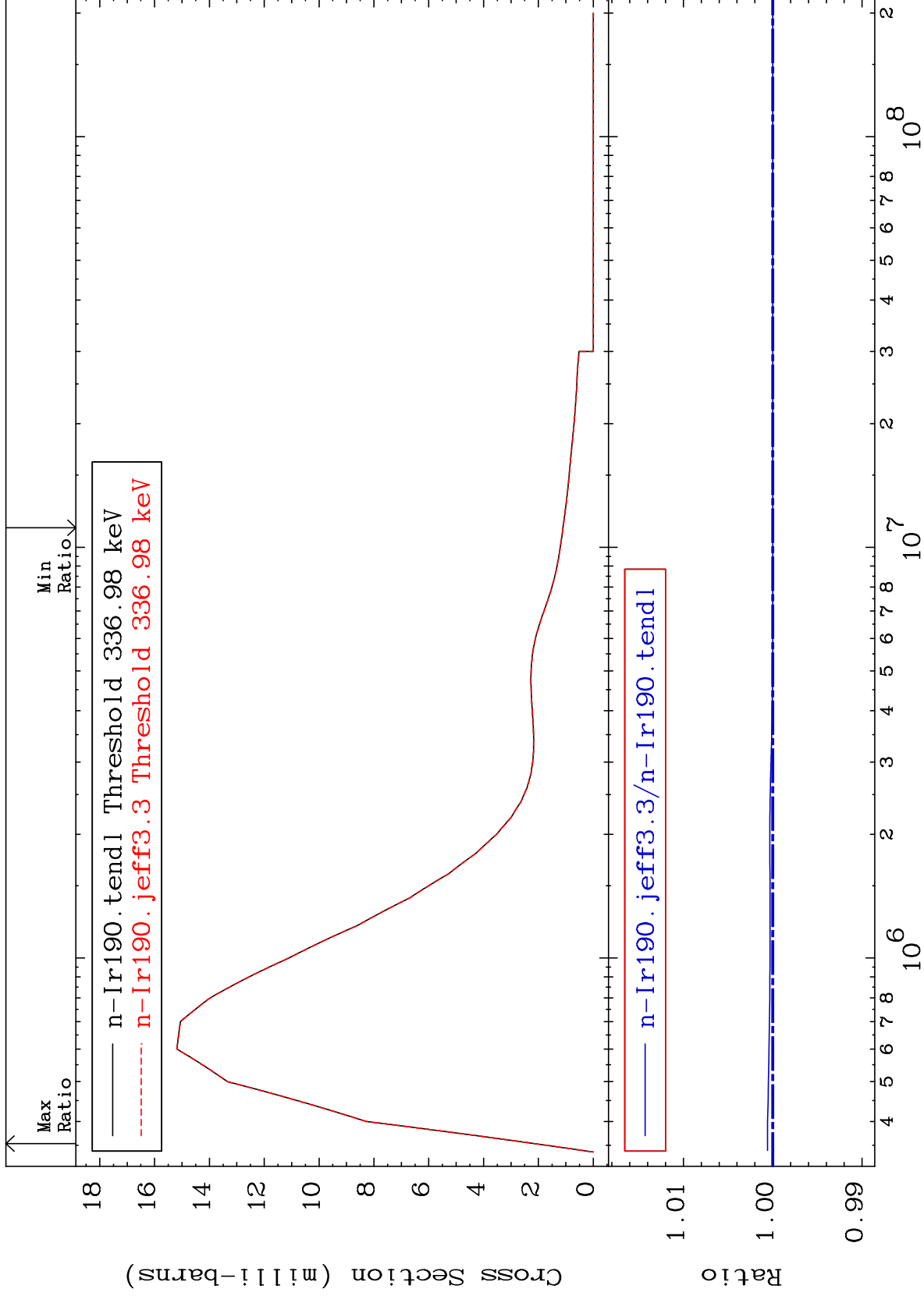
77-Ir-190
0.000 To 0.036 %

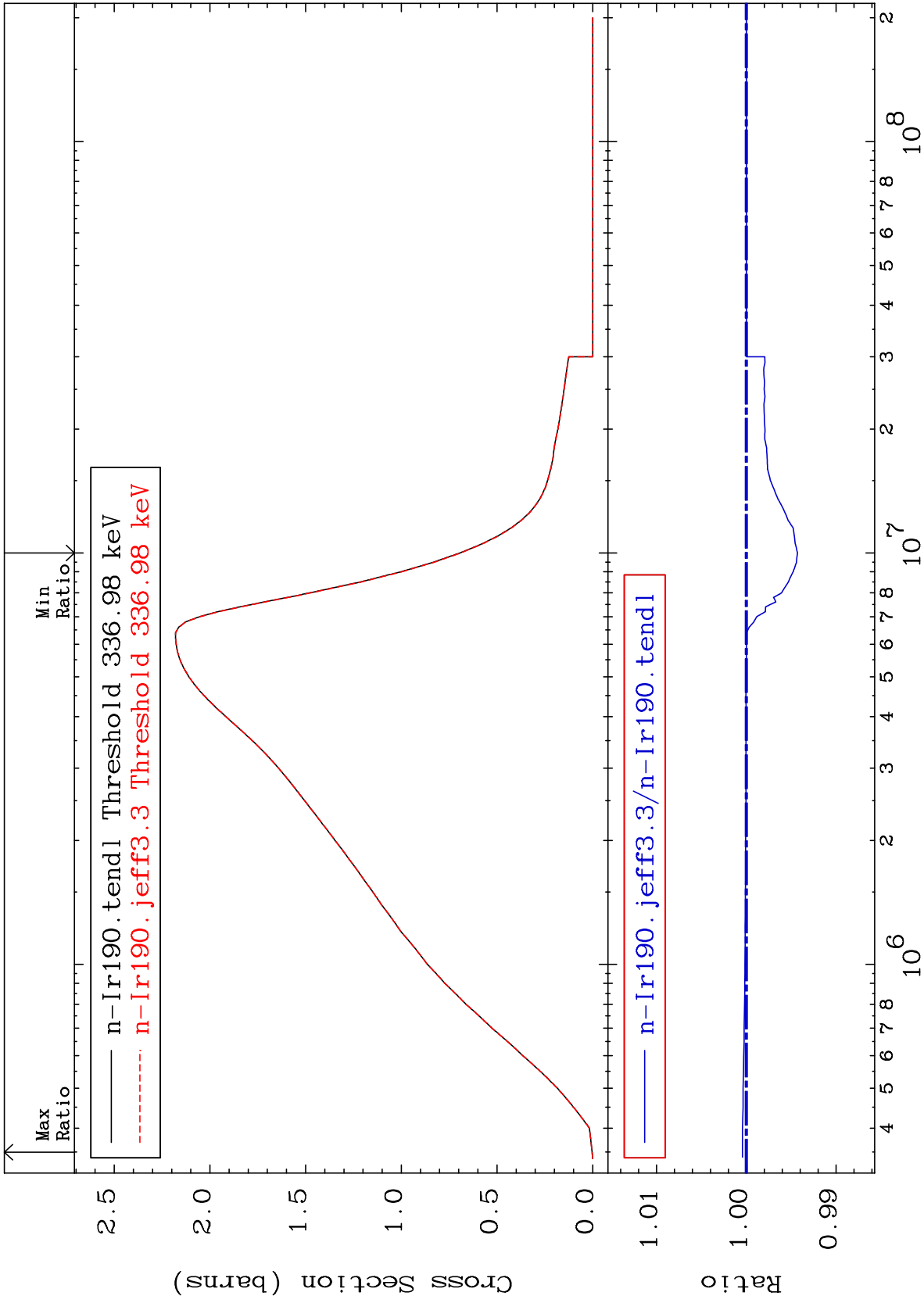


MAT 7722

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

77-Ir-190
0.000 To 0.058 %

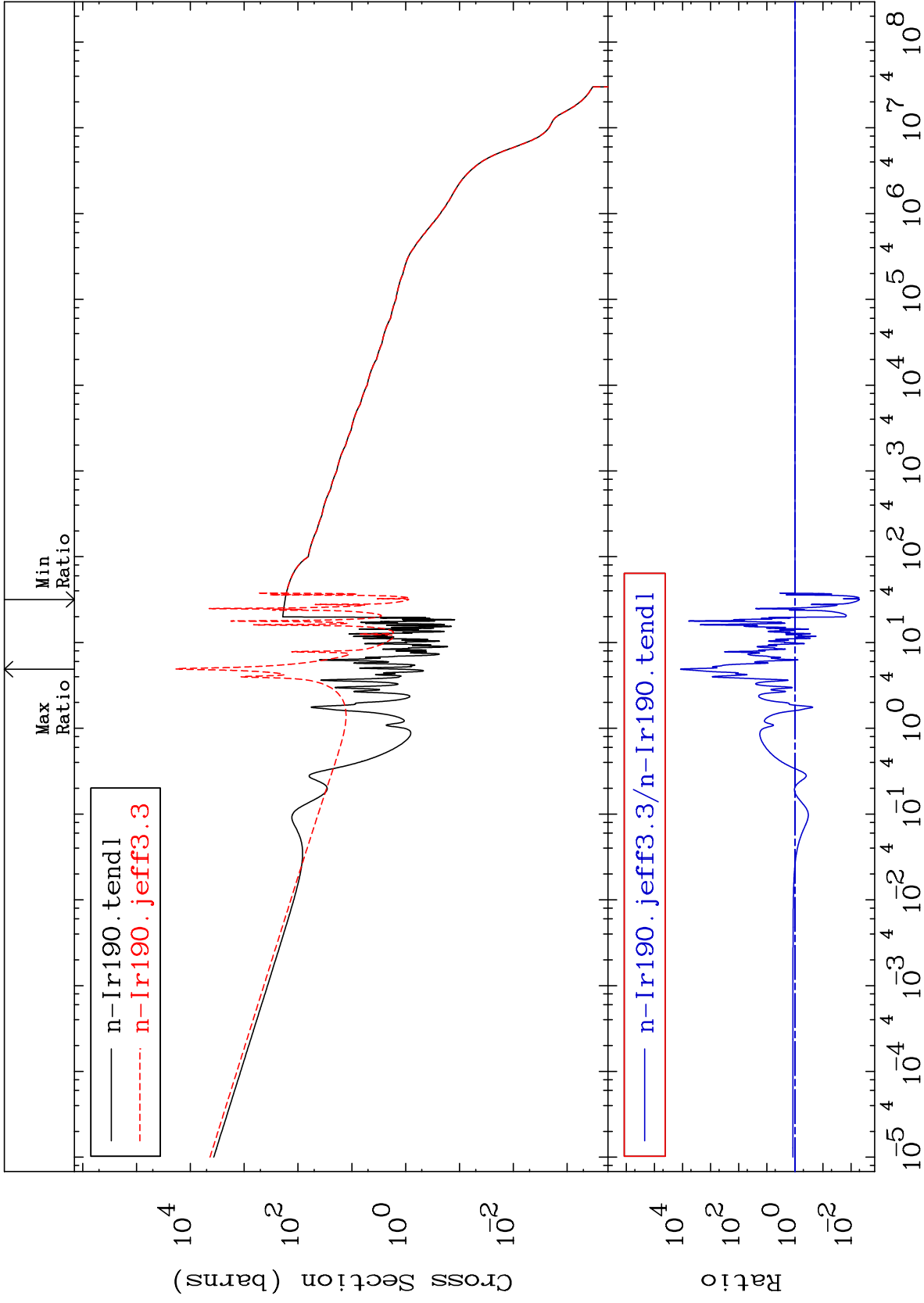




MAT 7722

77-Ir-190
-99.50 To 9999. %

(n, γ)
Cross Section



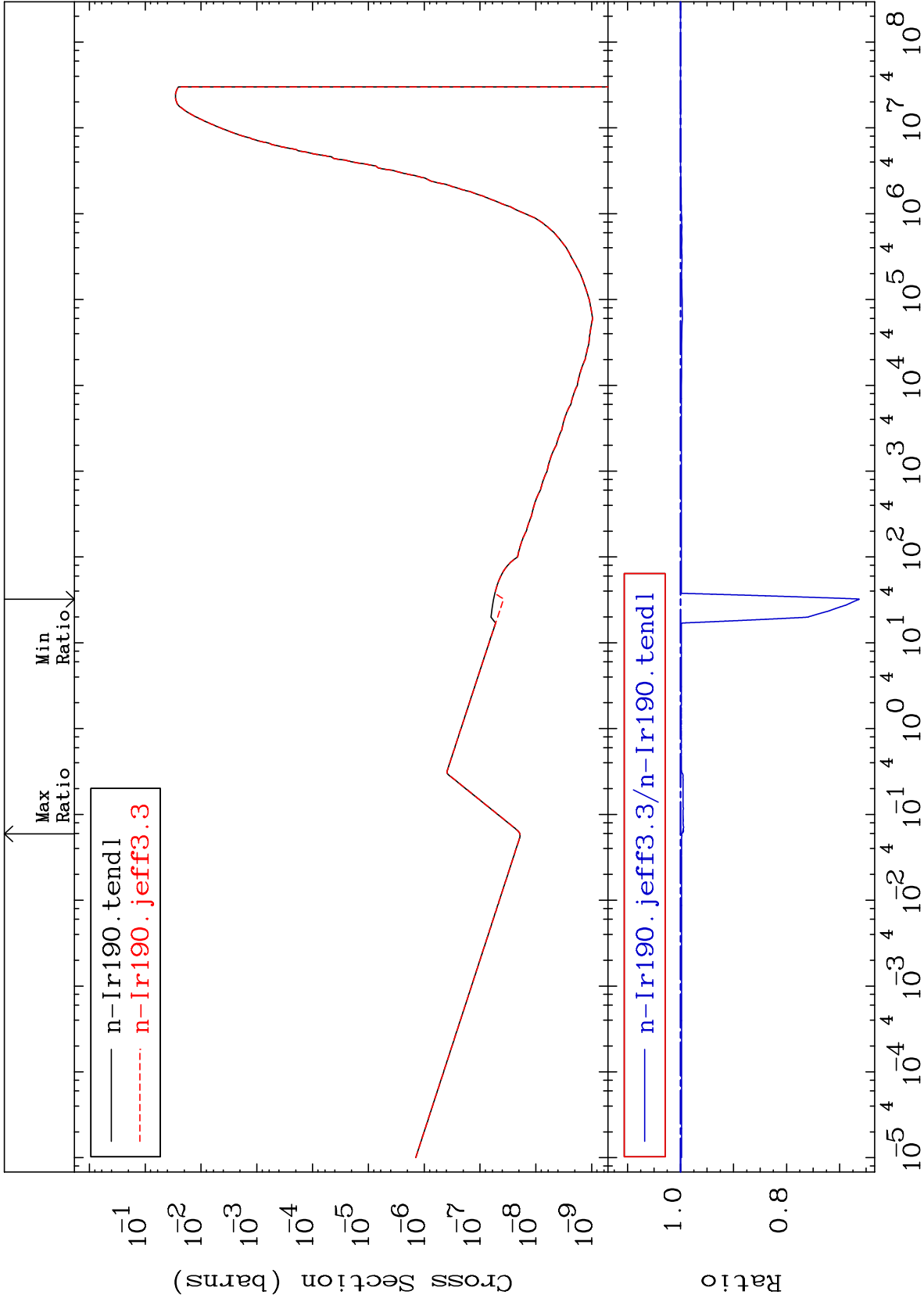
MAT 7722

(n,p)

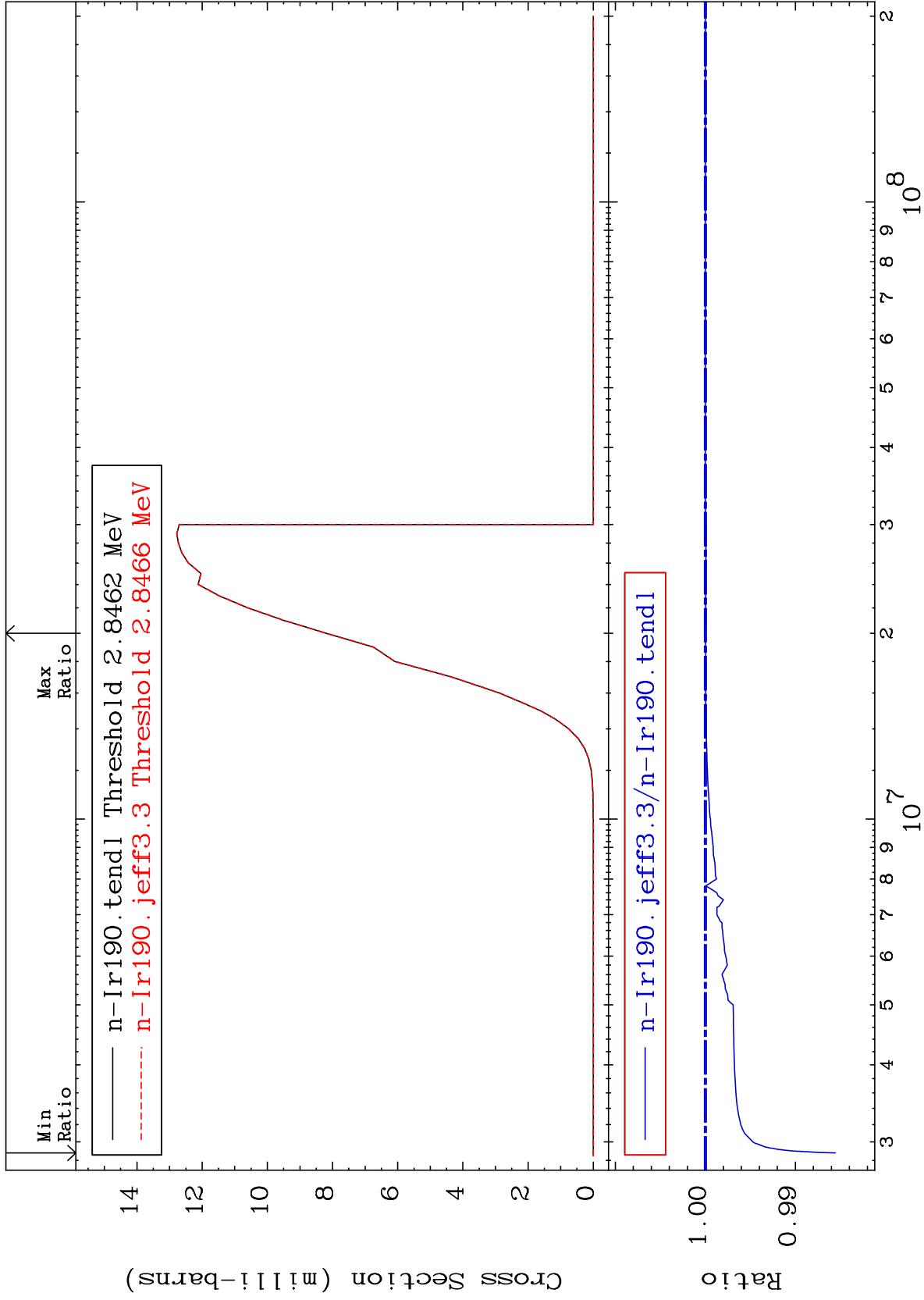
77-Ir-190

Cross Section

-33.73 To 0.030 %

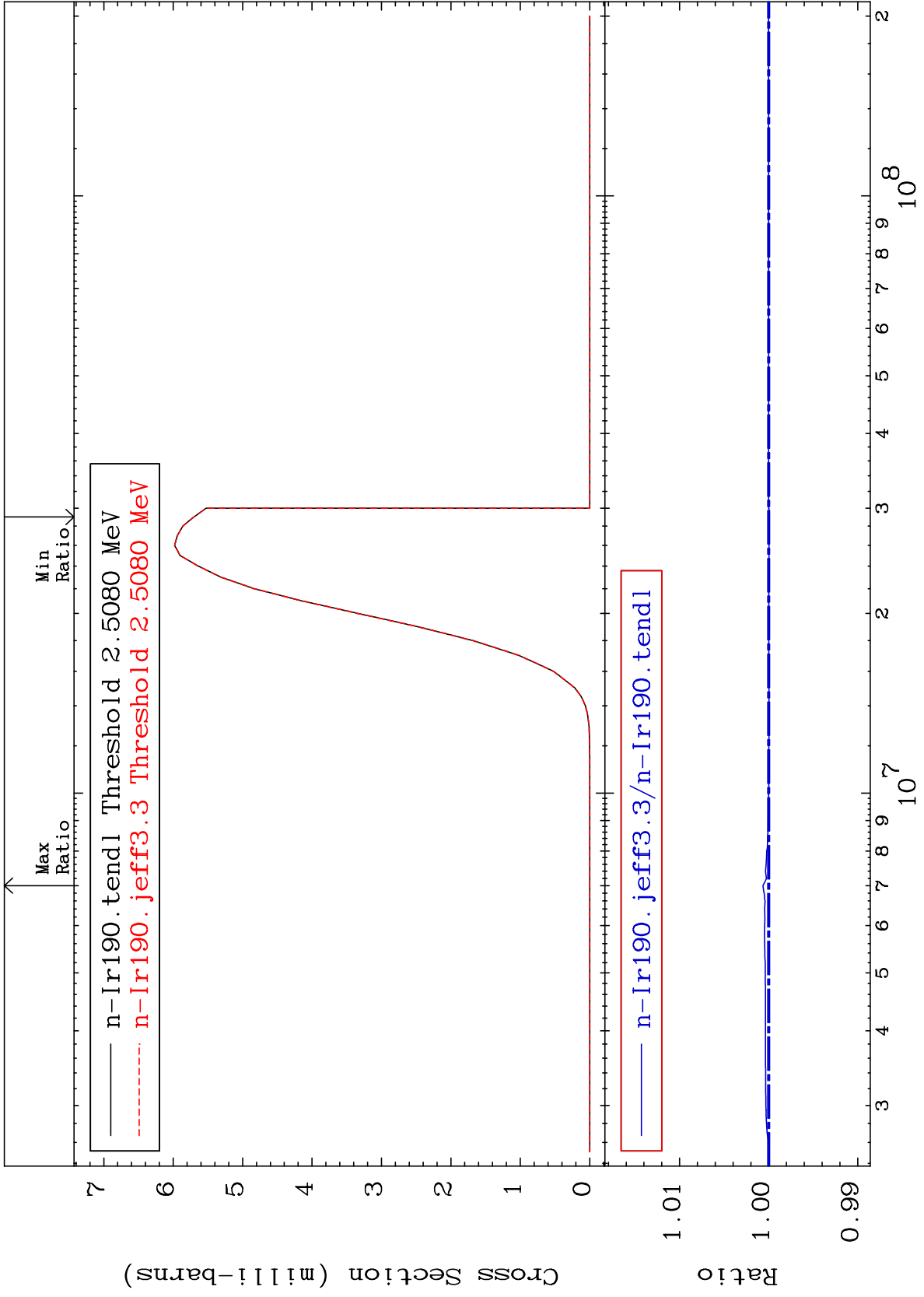


(n, d)
Cross Section
-1.444 To 0.004 %



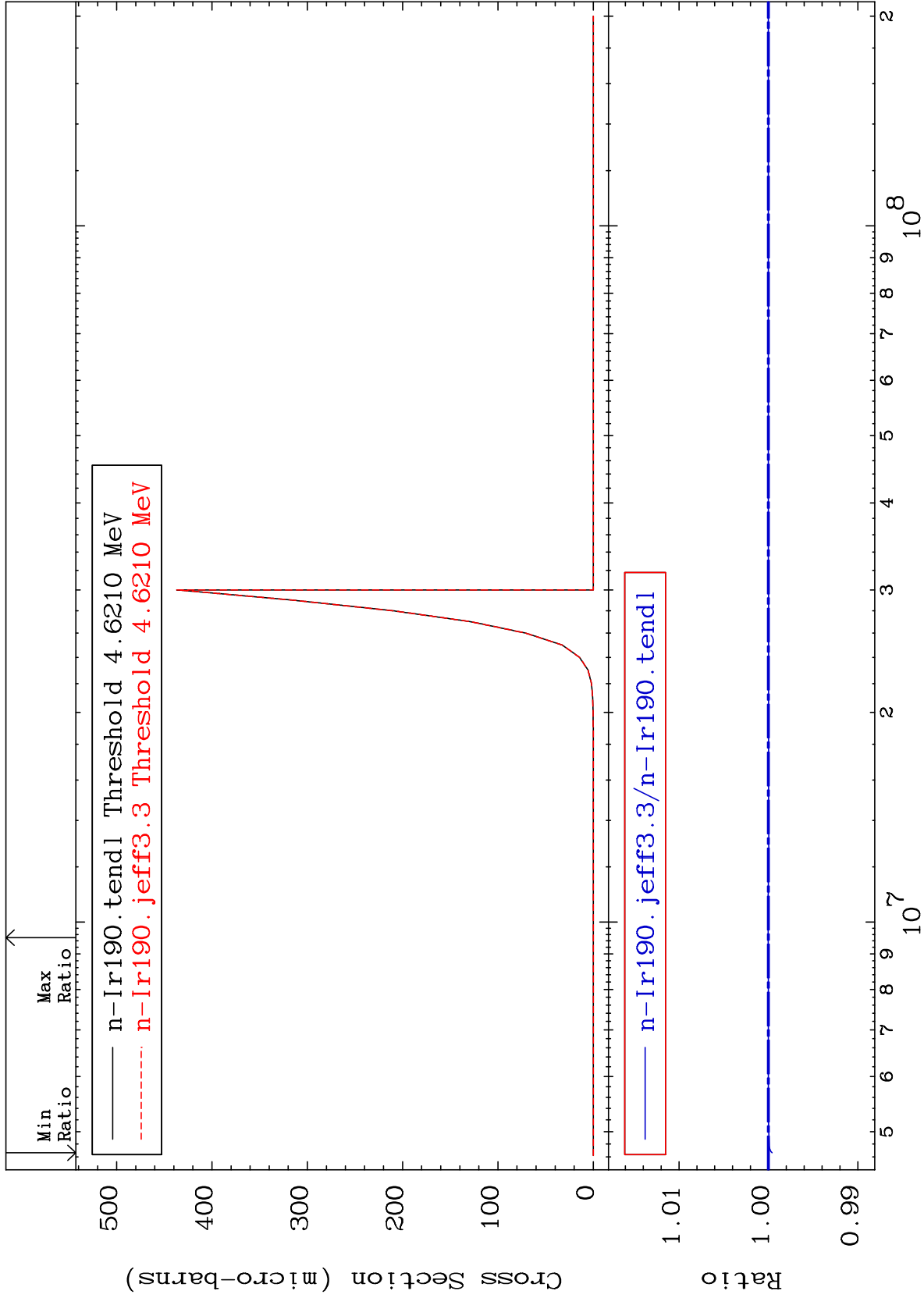
MAT 7722

(n, t)
Cross Section
77-Ir-190
-0.004 To 0.064 %



Cross Section

-0.041 To 0.002 %

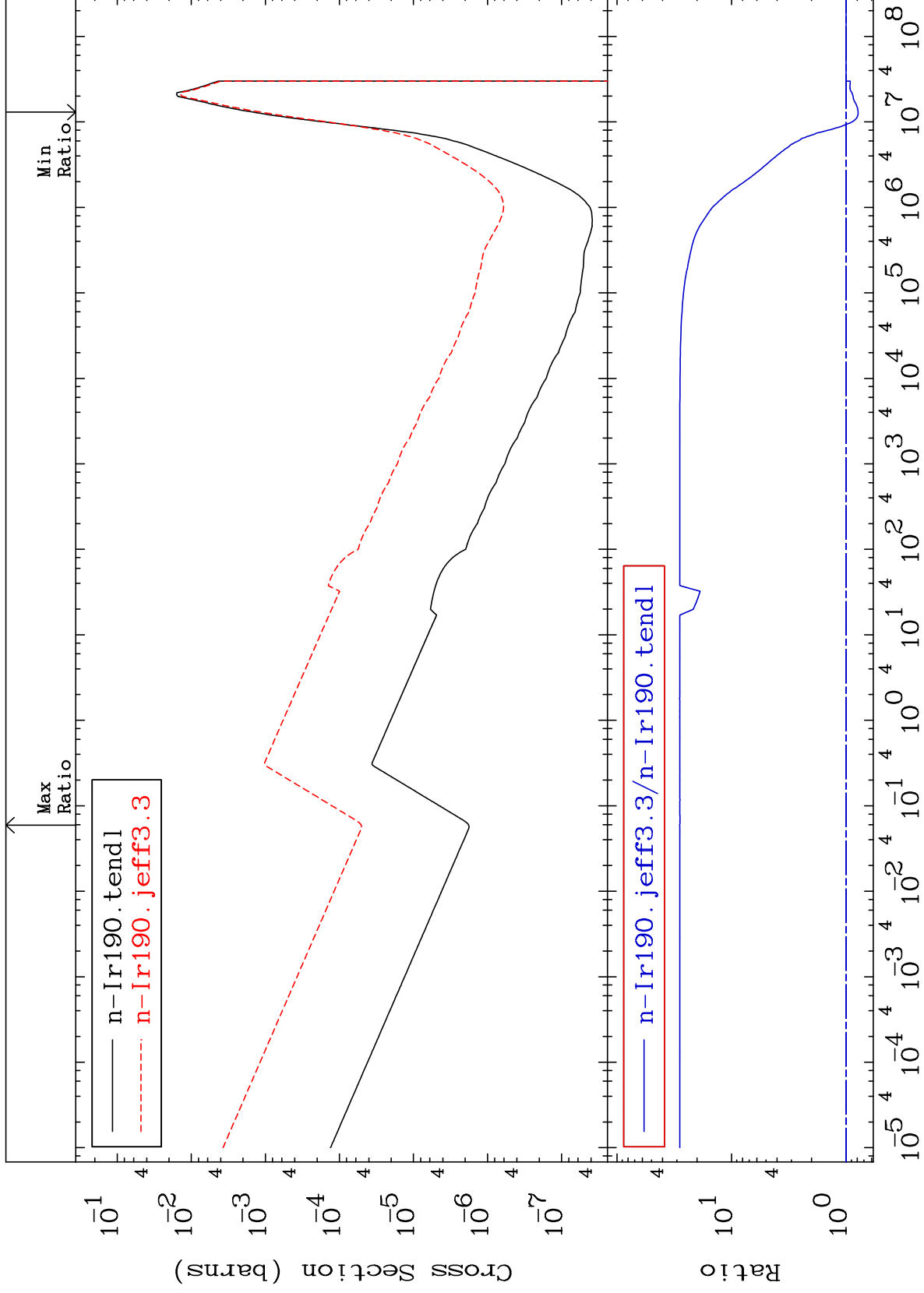


MAT 7722

(n, α)

Cross Section

77-Ir-190
-21.43 To 2737. %



56

Incident Energy (eV)

77-Ir-190

MAT 7722

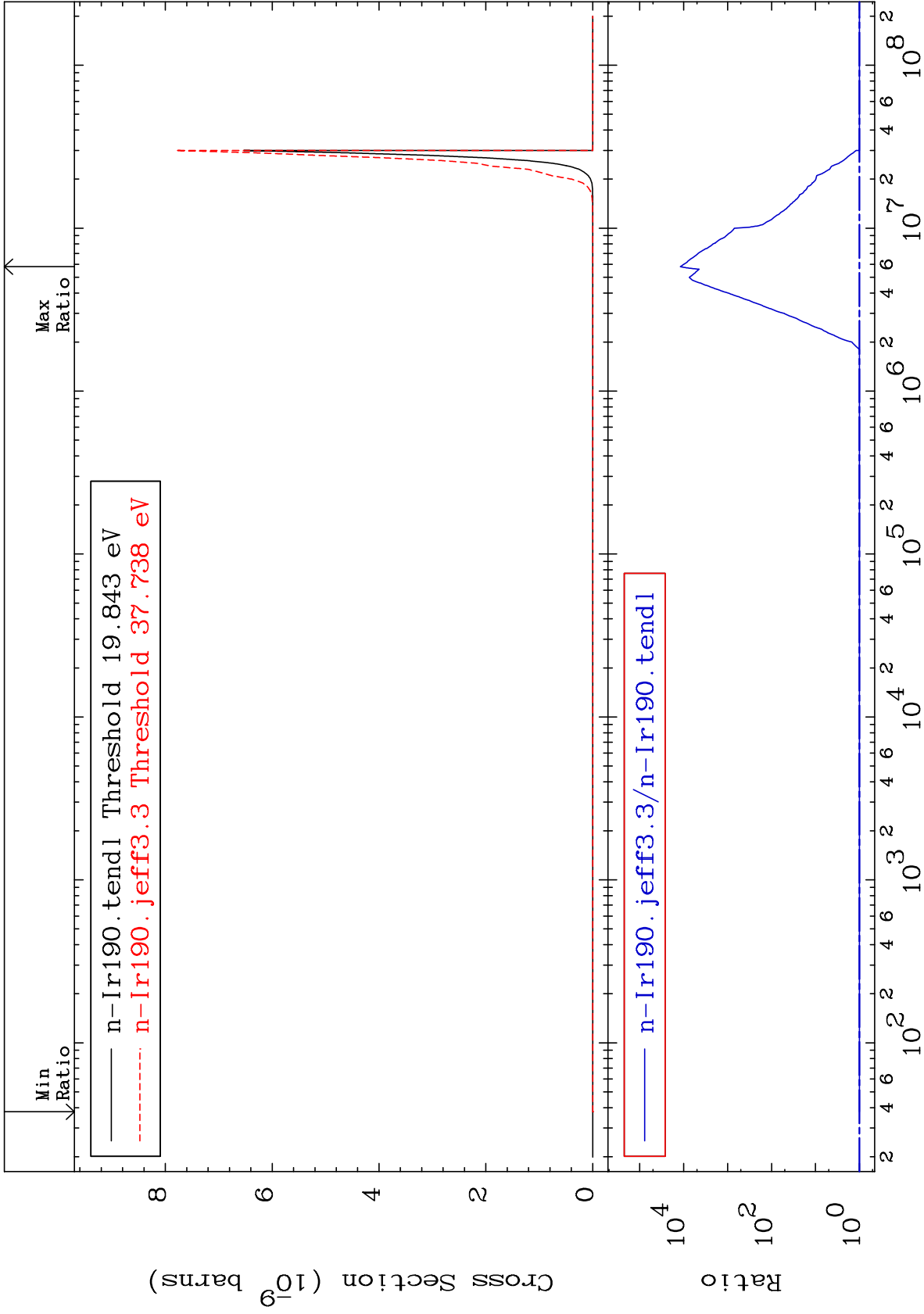
(n,2α)

77-Ir-190

Cross Section

0.000

To 9999. %



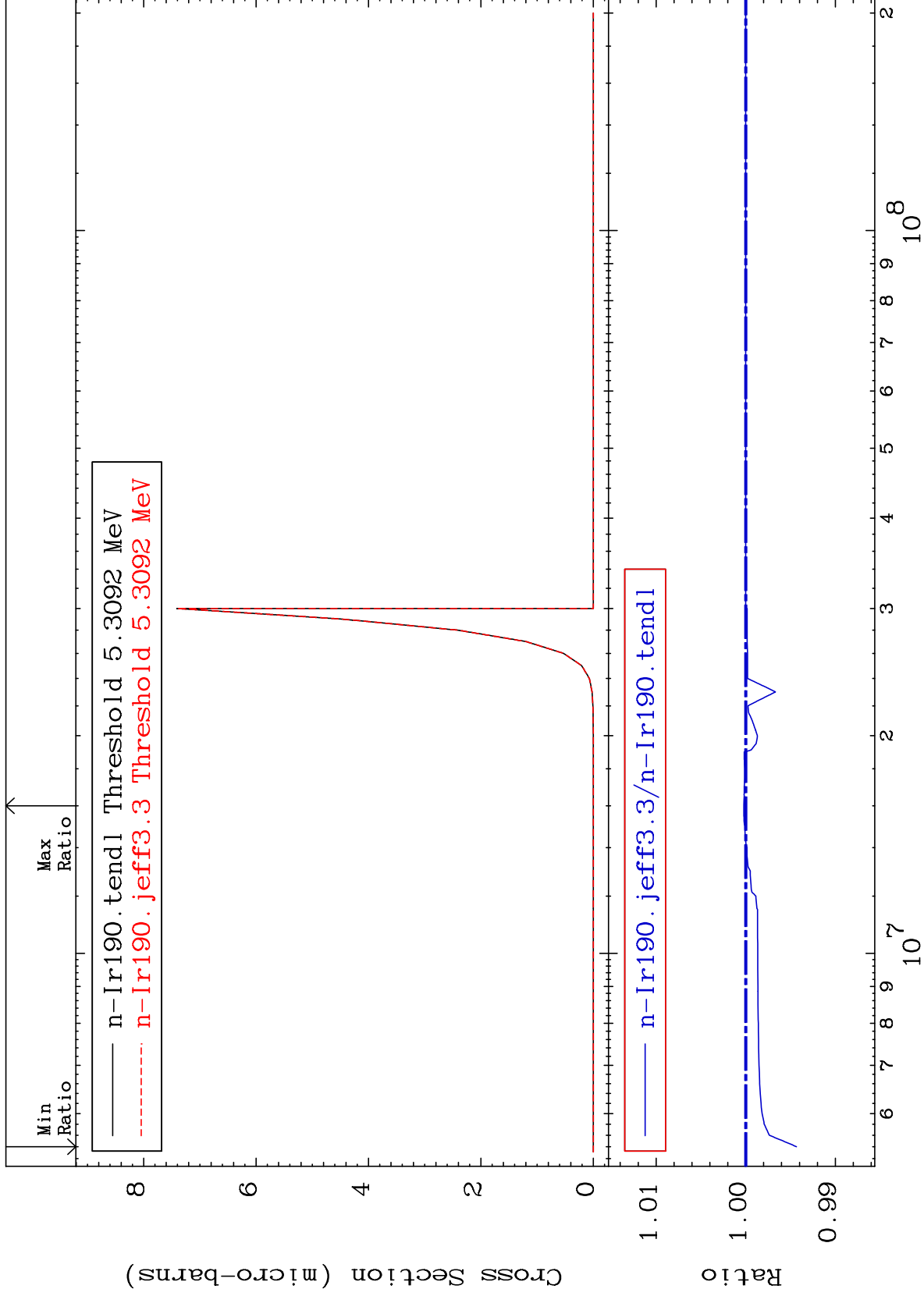
MAT 7722

(n,2p)

⁷⁷Ir-190

Cross Section

-0.567 To 0.022 %



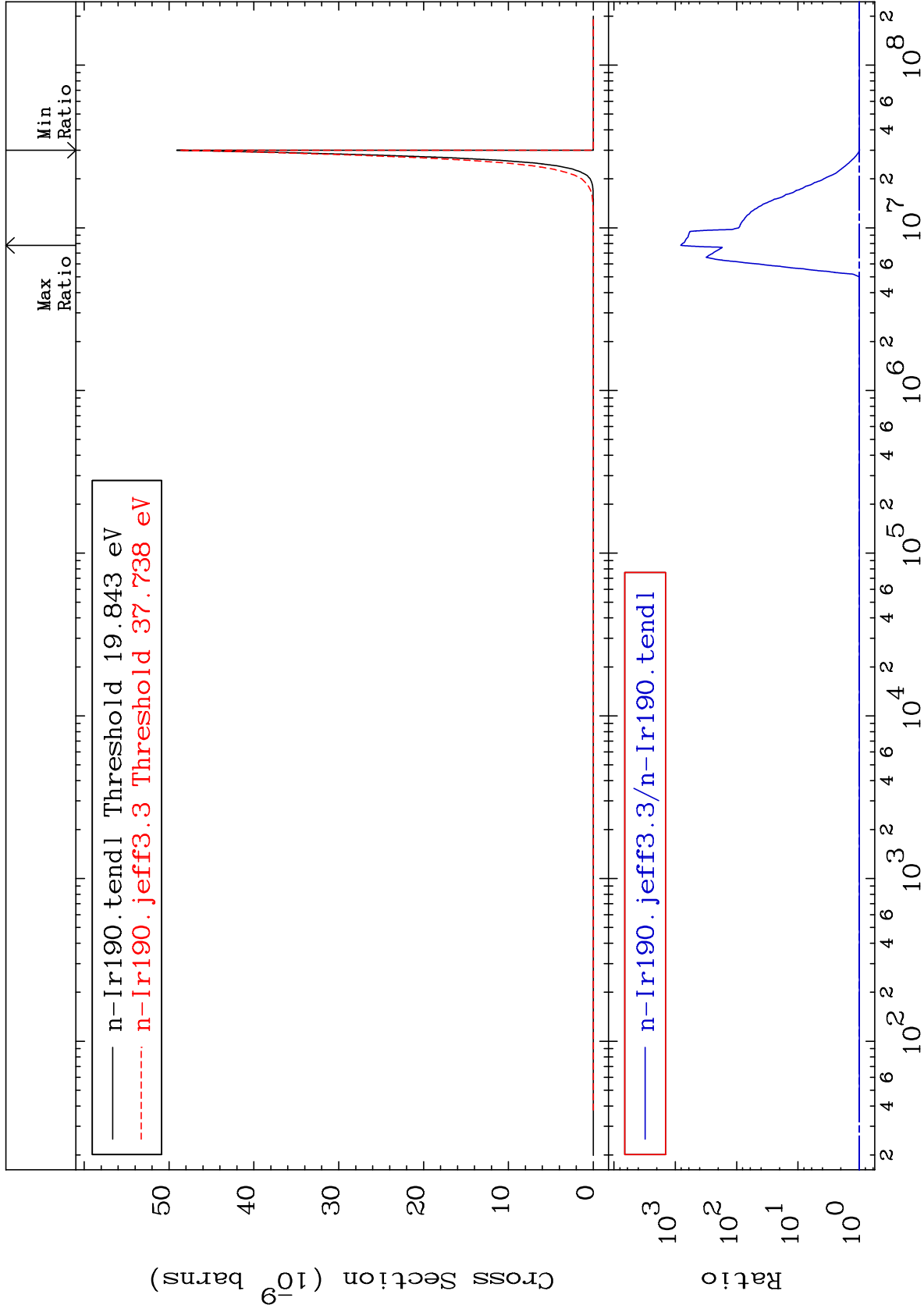
MAT 7722

(n, p) α

Cross Section

77-Ir-190

-0.645 To 9999. %



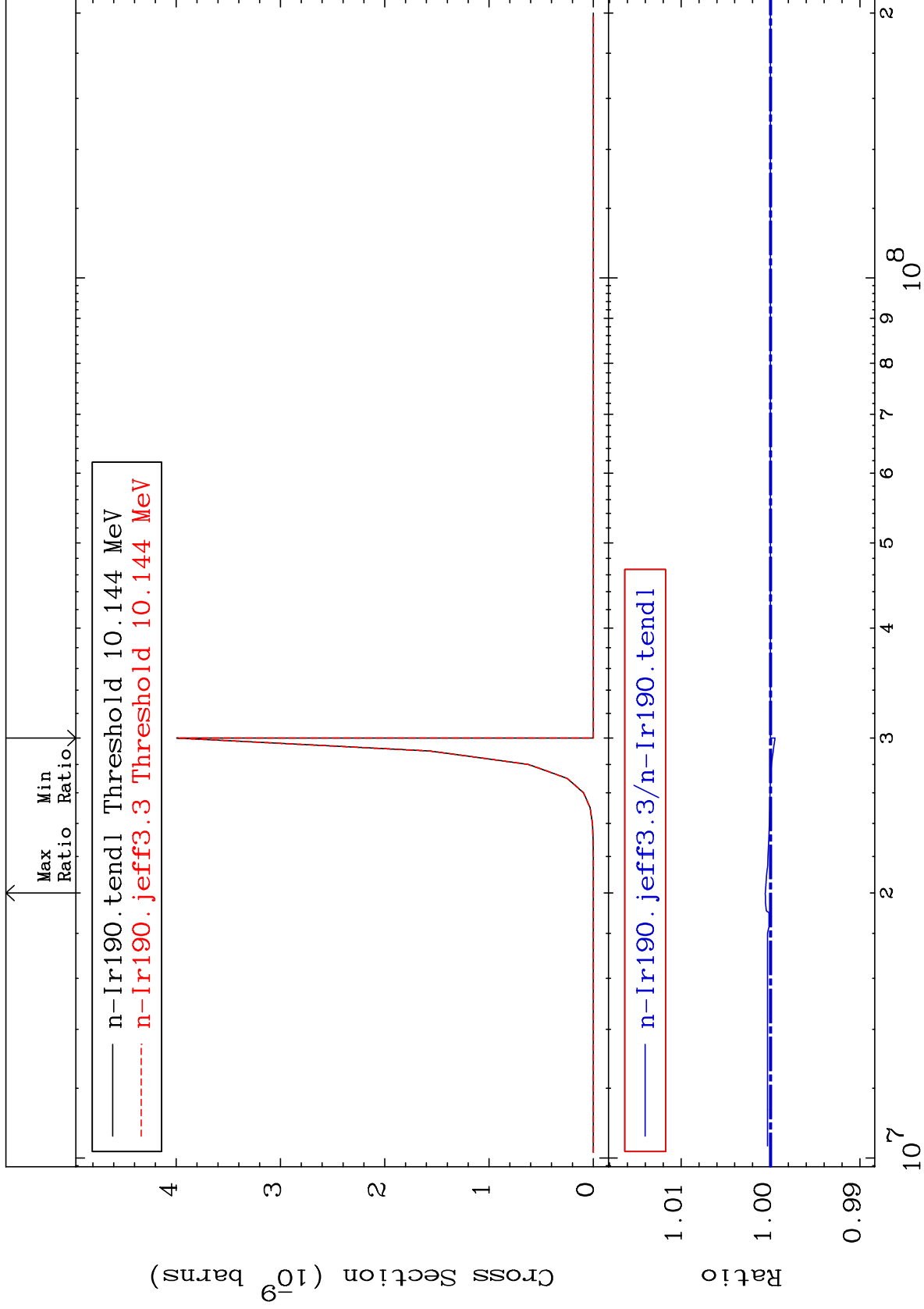
MAT 7722

(n, p) d

⁷⁷Ir-190

Cross Section

-0.051 To 0.058 %



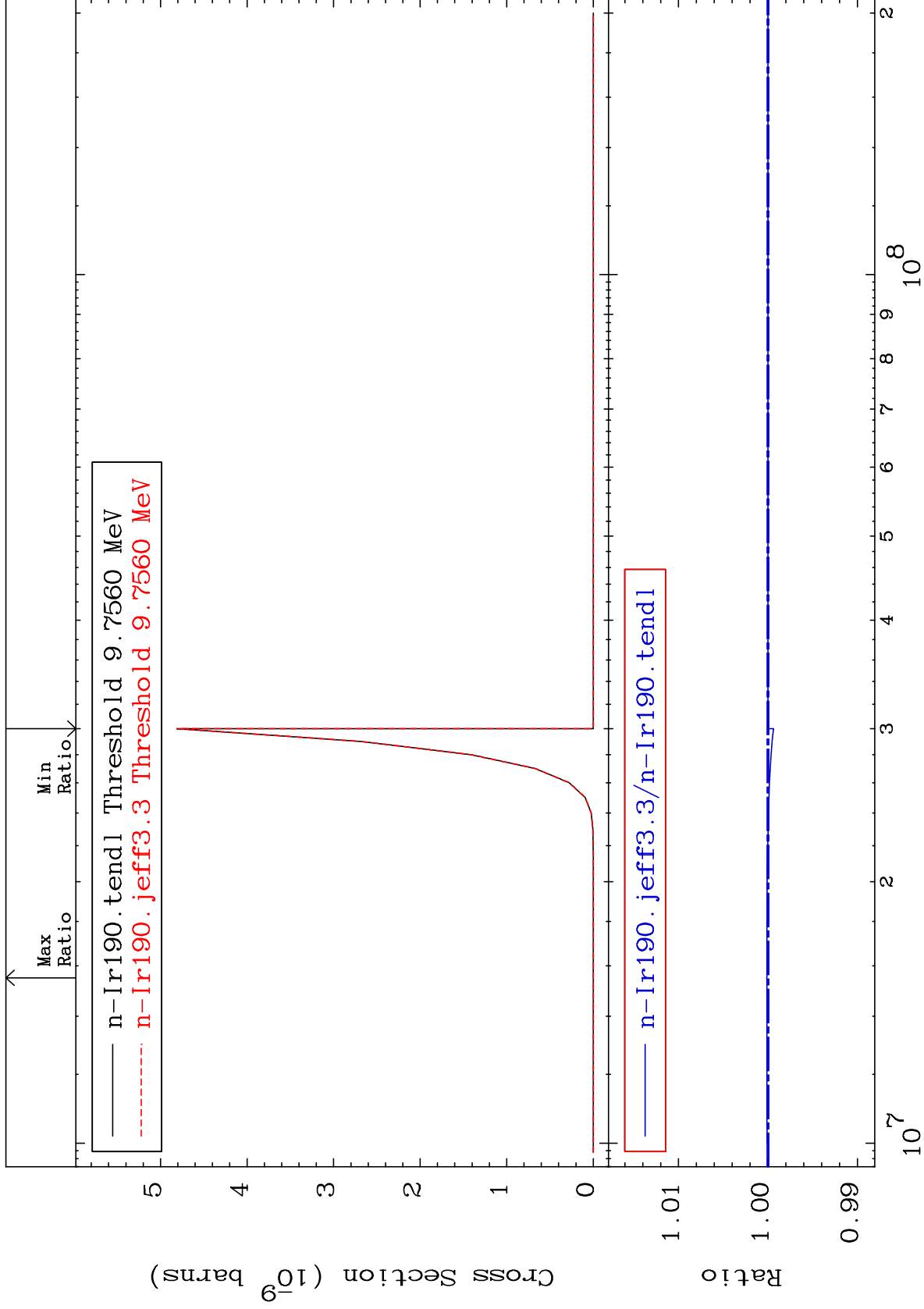
Incident Energy (eV)

⁷⁷Ir-190

MAT 7722

(n, p) t
Cross Section

⁷⁷Ir-¹⁹⁰
-0.062 To 0.013 %



61

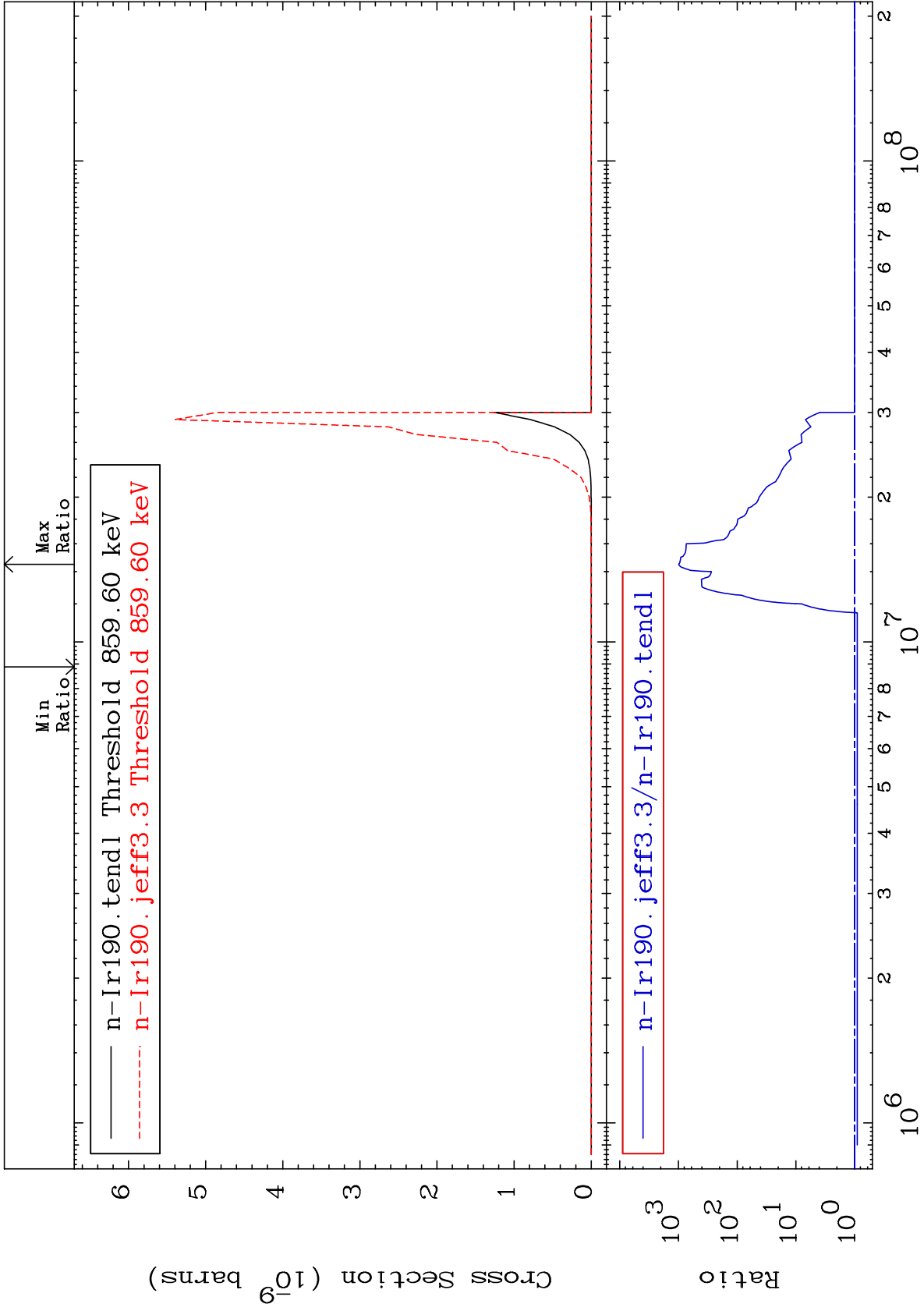
Incident Energy (eV)

⁷⁷Ir-¹⁹⁰

MAT 7722

$^{77}\text{Ir-190}$
-9.927 To 9999. %

(n, d) α
Cross Section



62

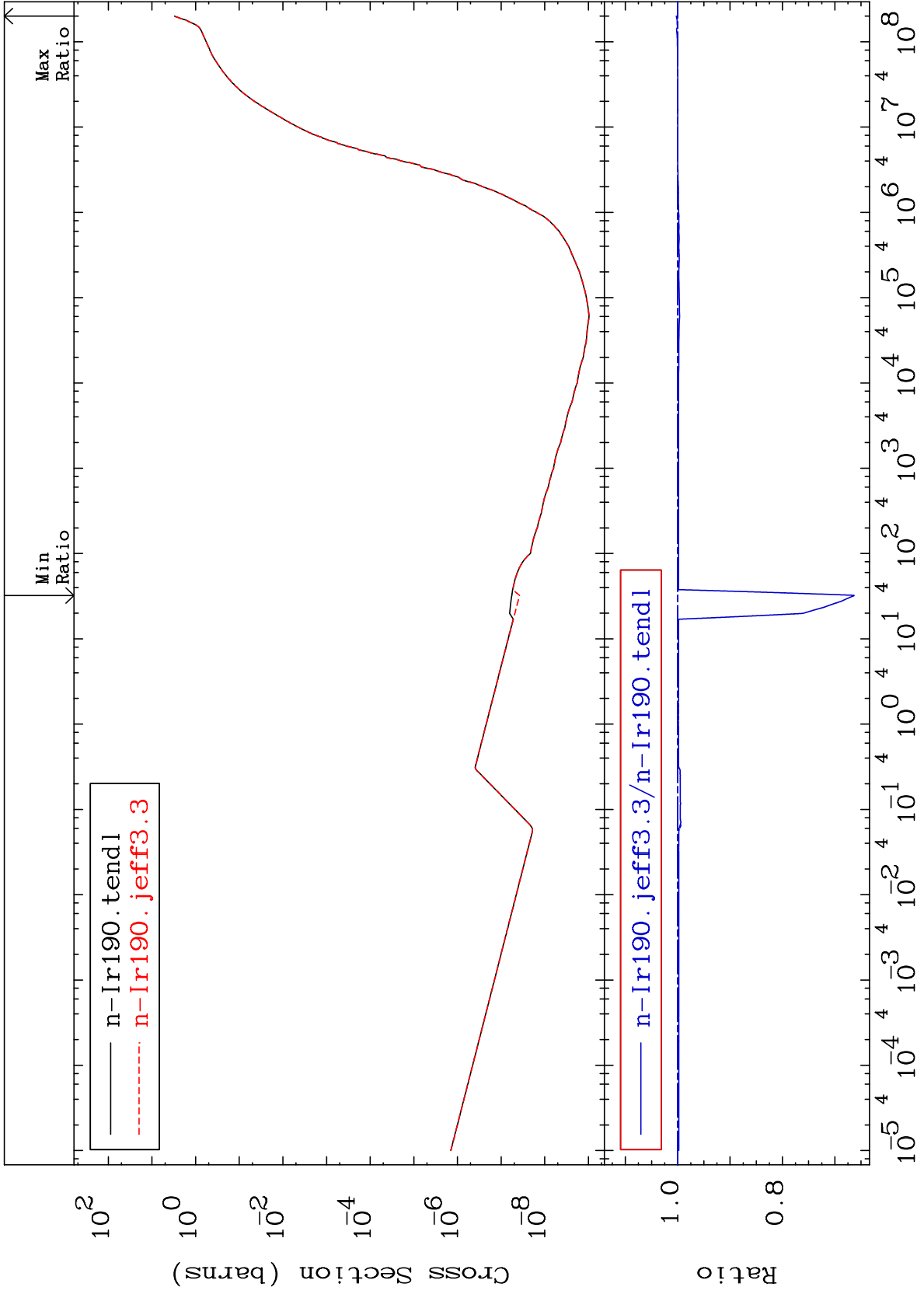
Incident Energy (eV)

$^{77}\text{Ir-190}$

MAT 7722

Hydrogen Production
Cross Section

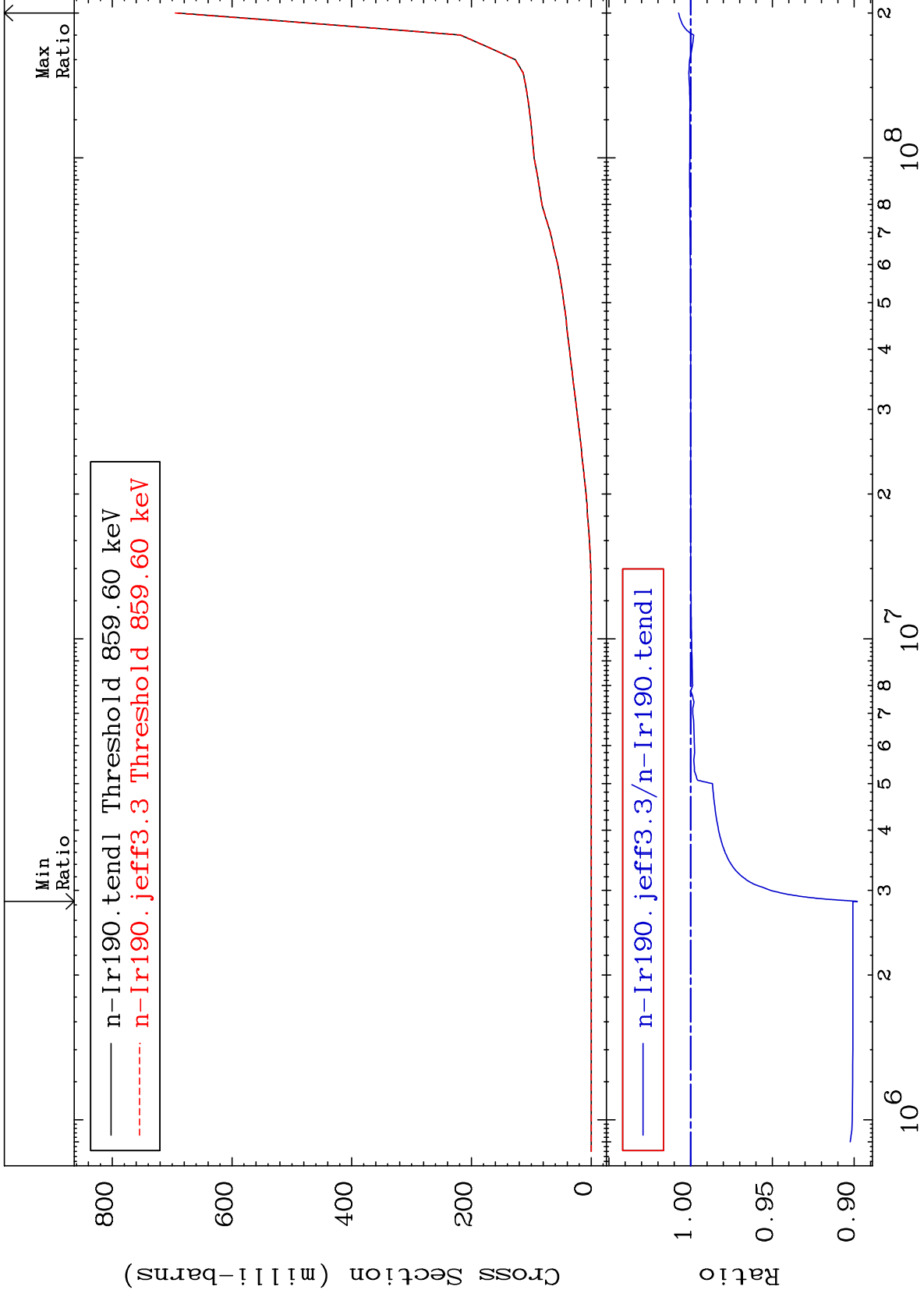
77-Ir-190
-33.73 To 0.262 %



MAT 7722

Deuterium Production
Cross Section

⁷⁷Ir-190
-10.19 To 0.734 %



64

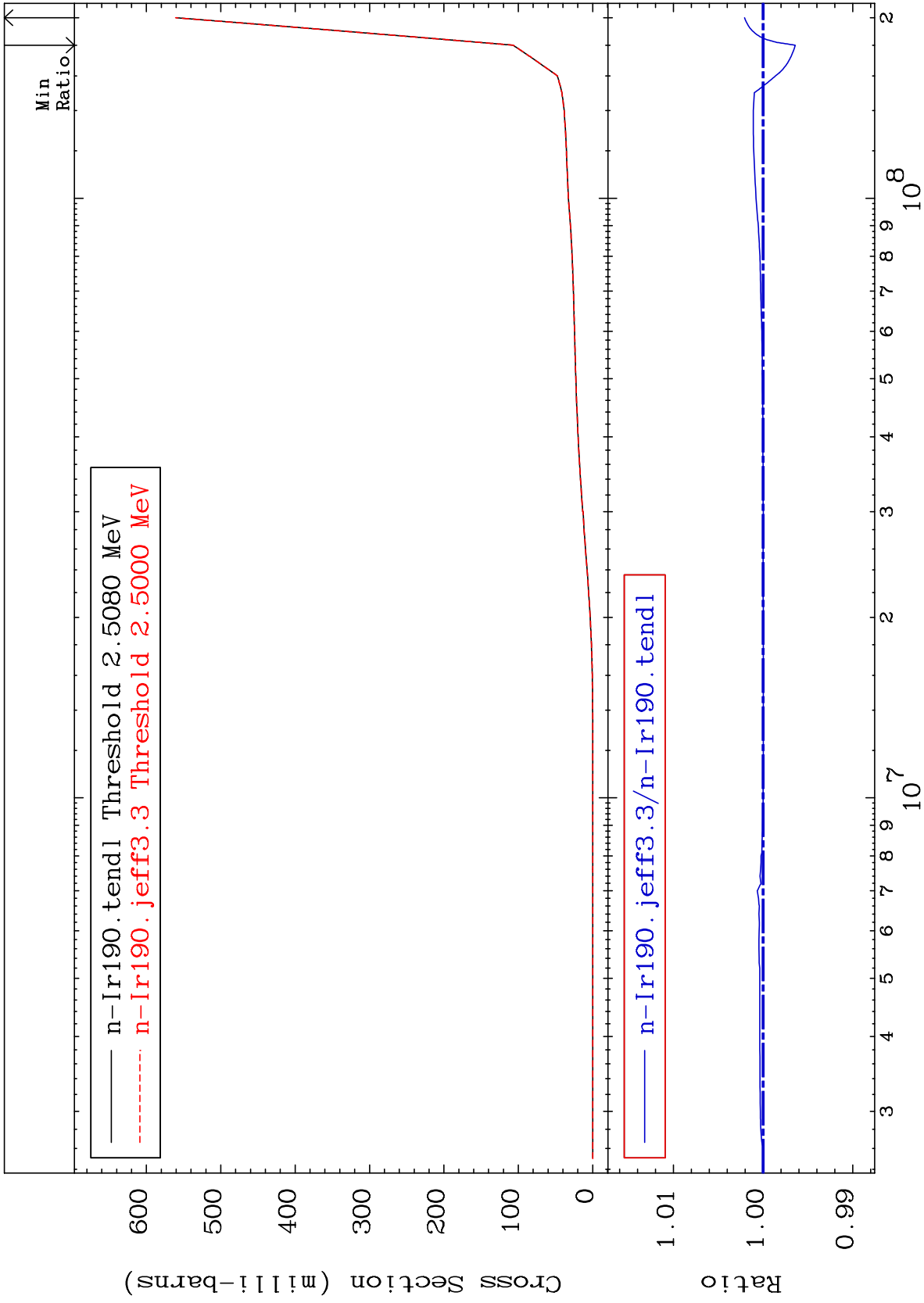
Incident Energy (eV)

⁷⁷Ir-190

MAT 7722

Tritium Production
Cross Section

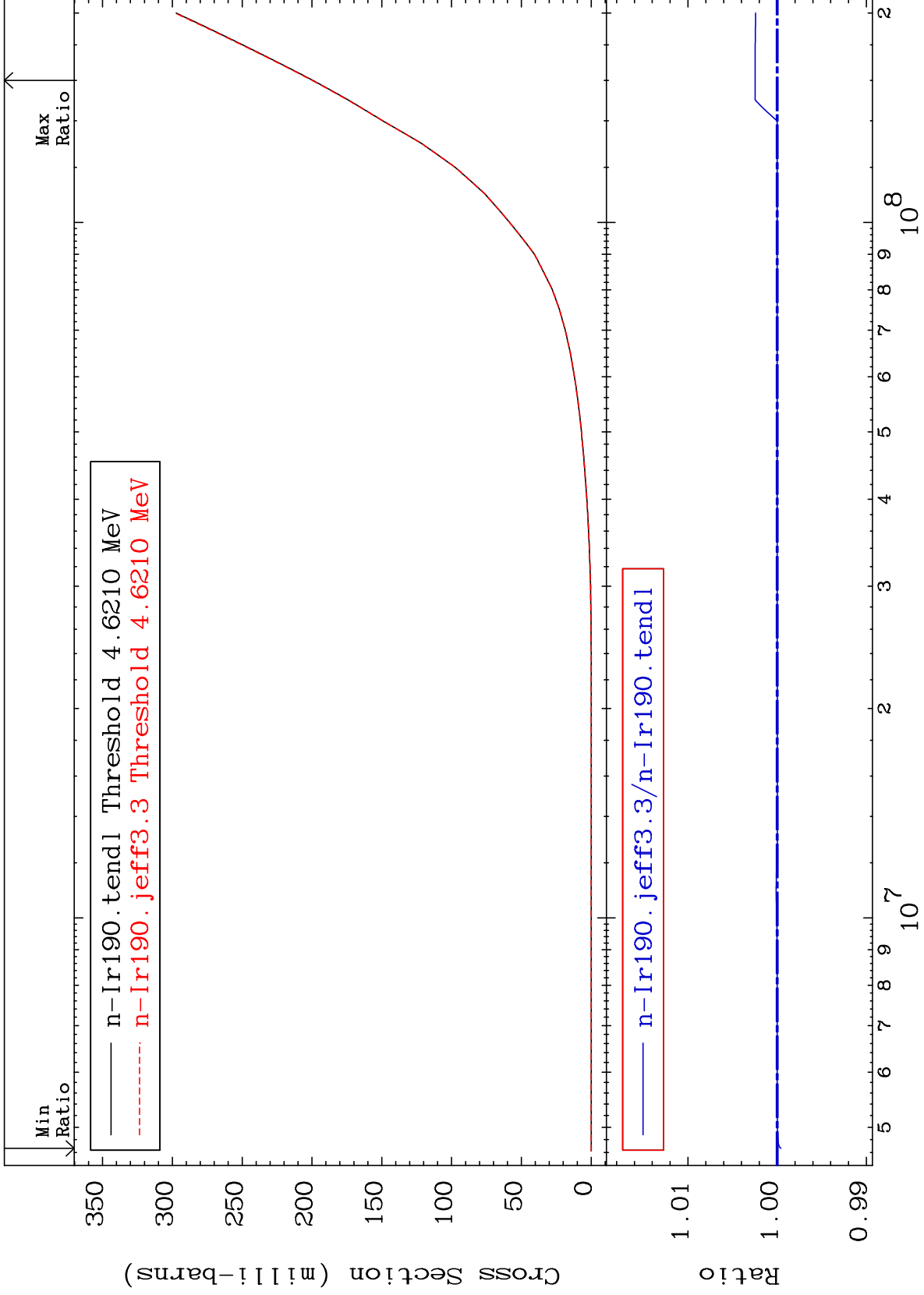
⁷⁷Ir-¹⁹⁰
-0.358 To 0.206 %



MAT 7722

He-3 Production
Cross Section

⁷⁷Ir-¹⁹⁰
-0.041 To 0.248 %



66

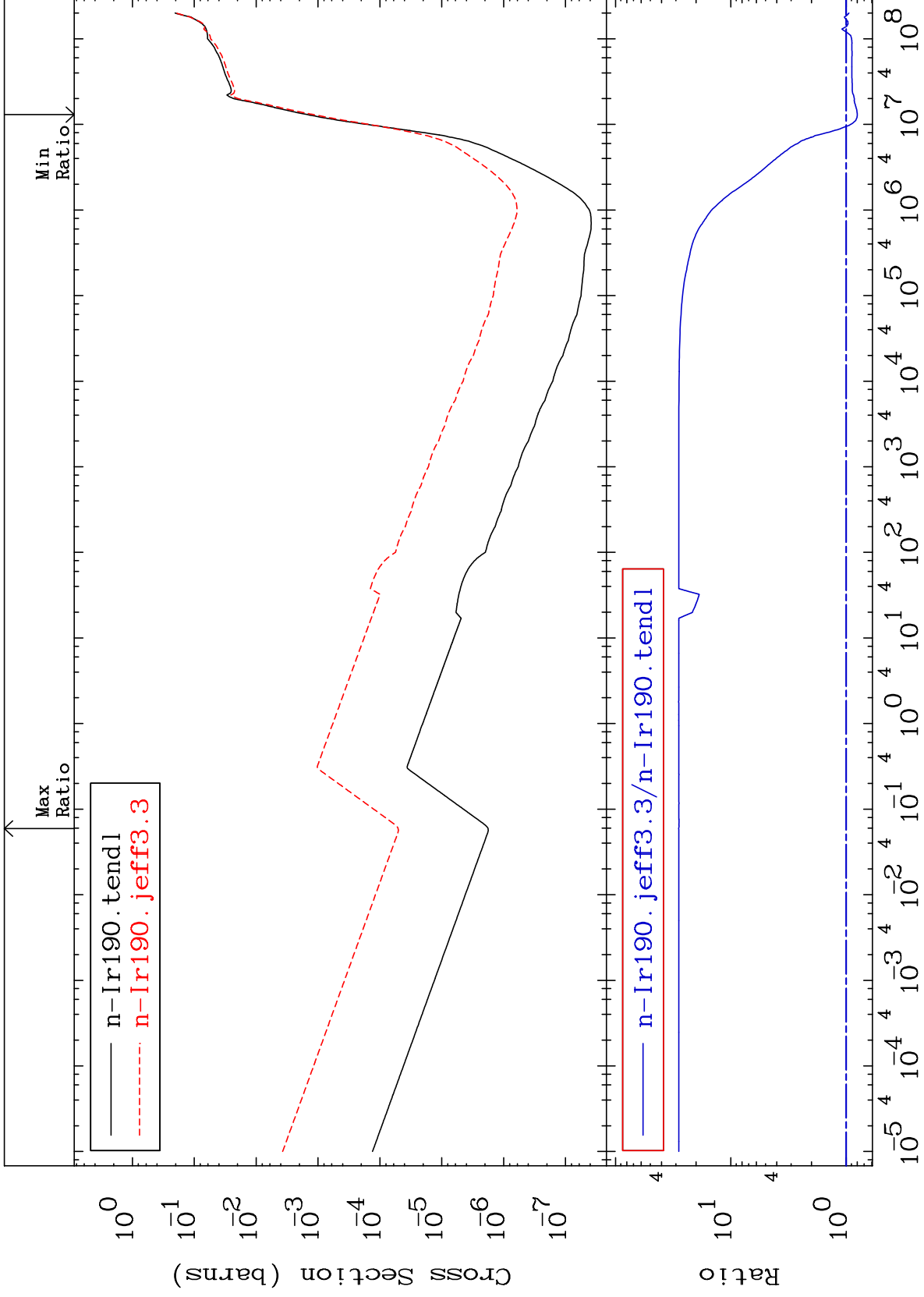
Incident Energy (eV)

⁷⁷Ir-¹⁹⁰

MAT 7722

He-4 Production
Cross Section

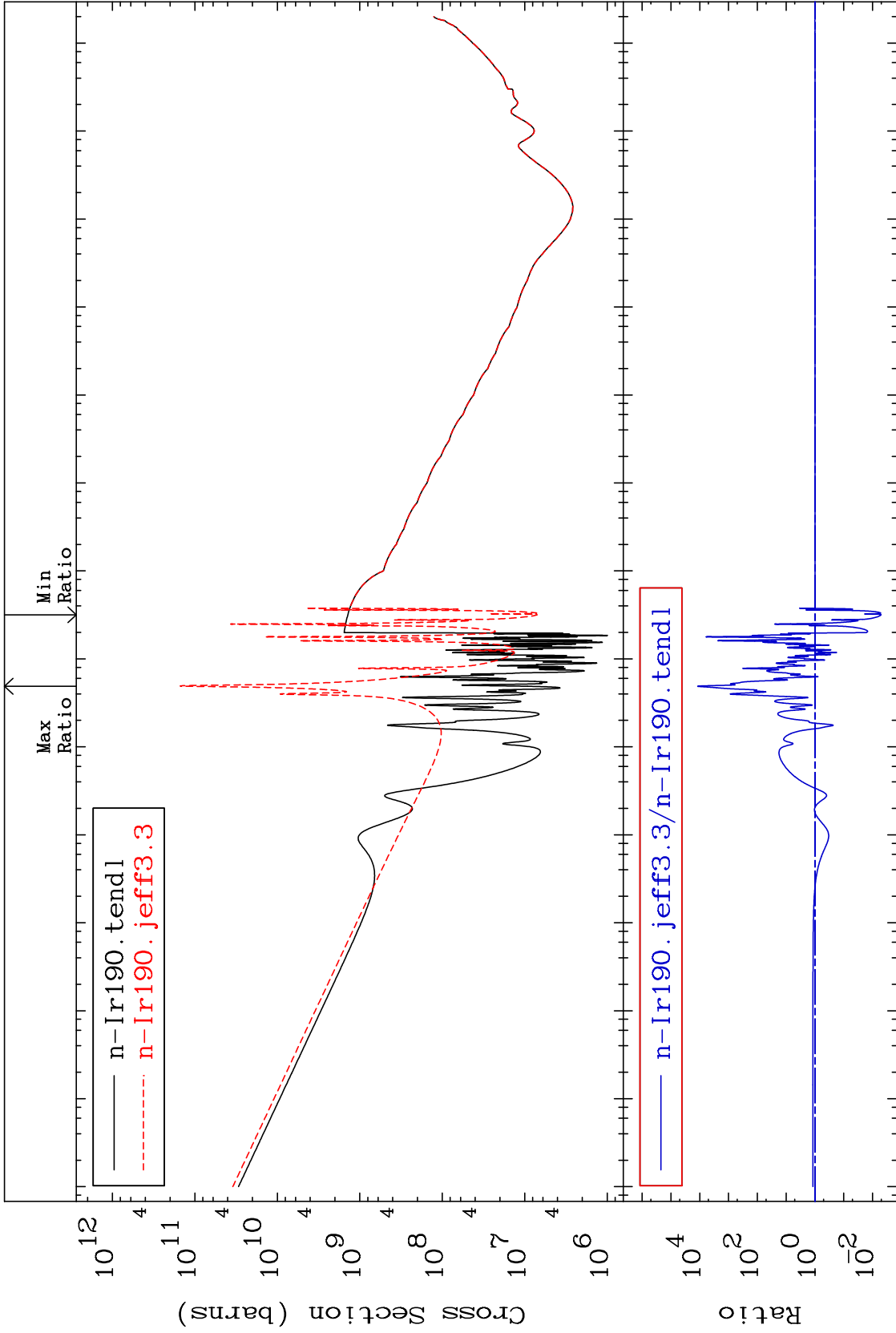
⁷⁷Ir-190
-19.87 To 2737. %

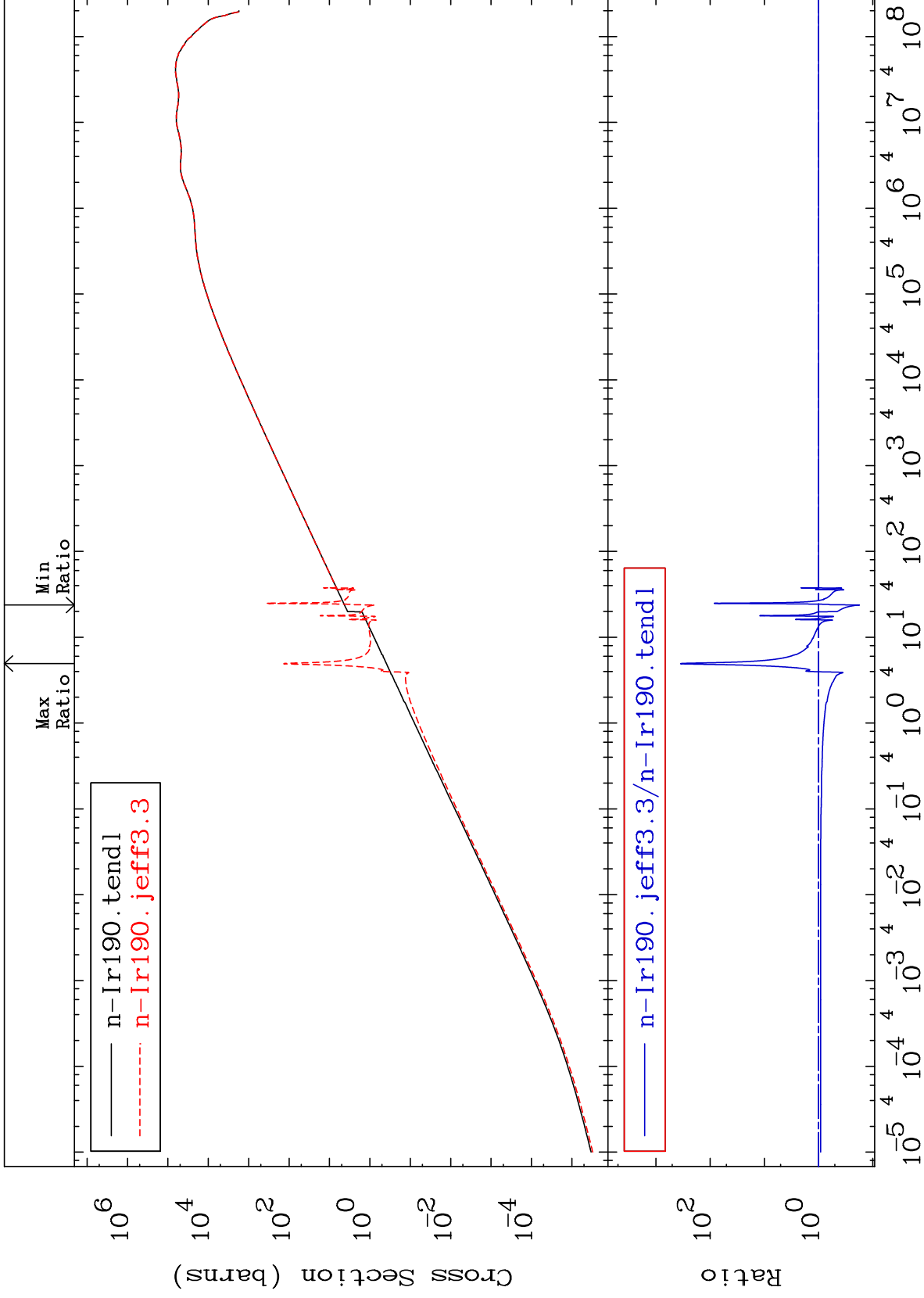


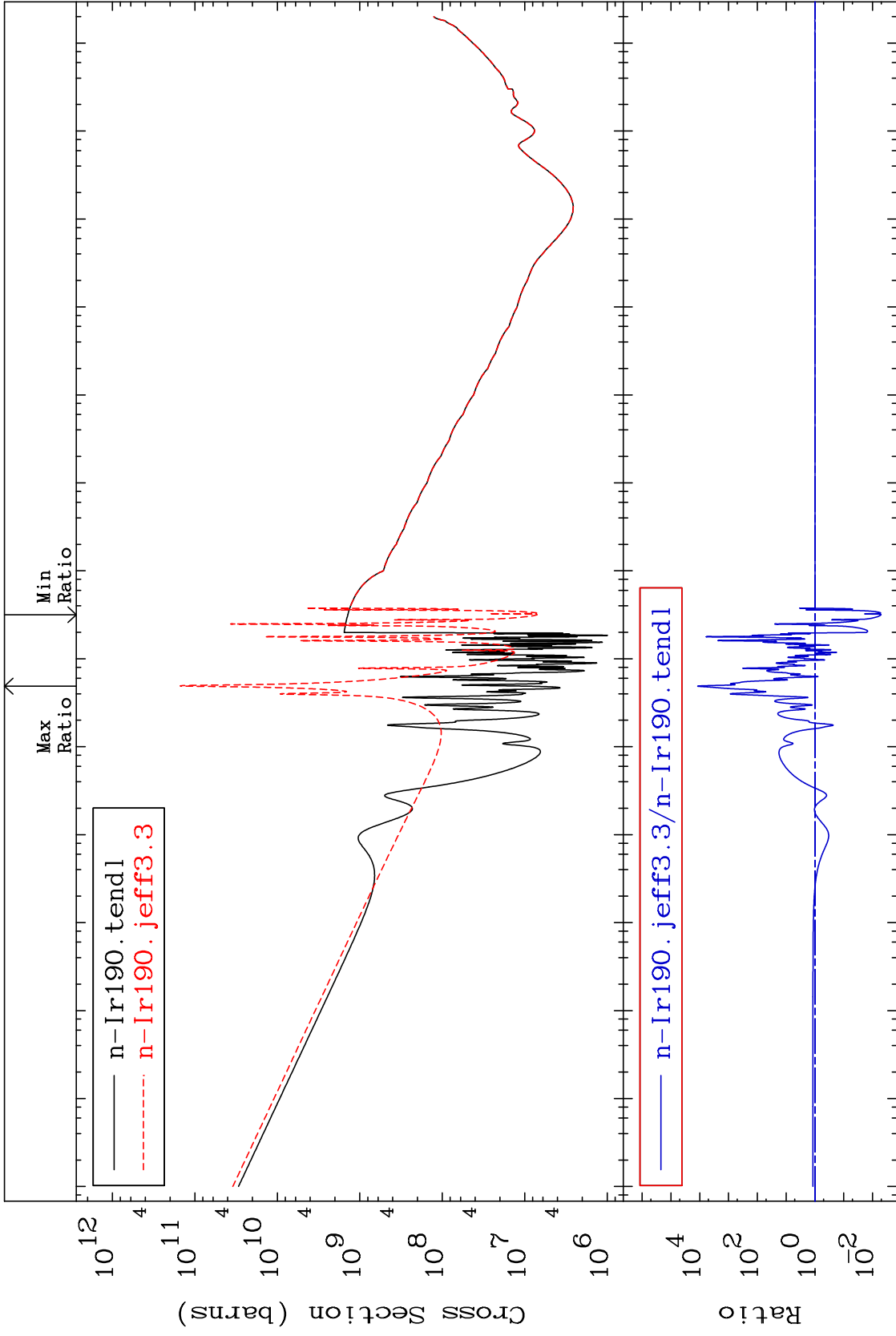
67

Incident Energy (eV)

⁷⁷Ir-190



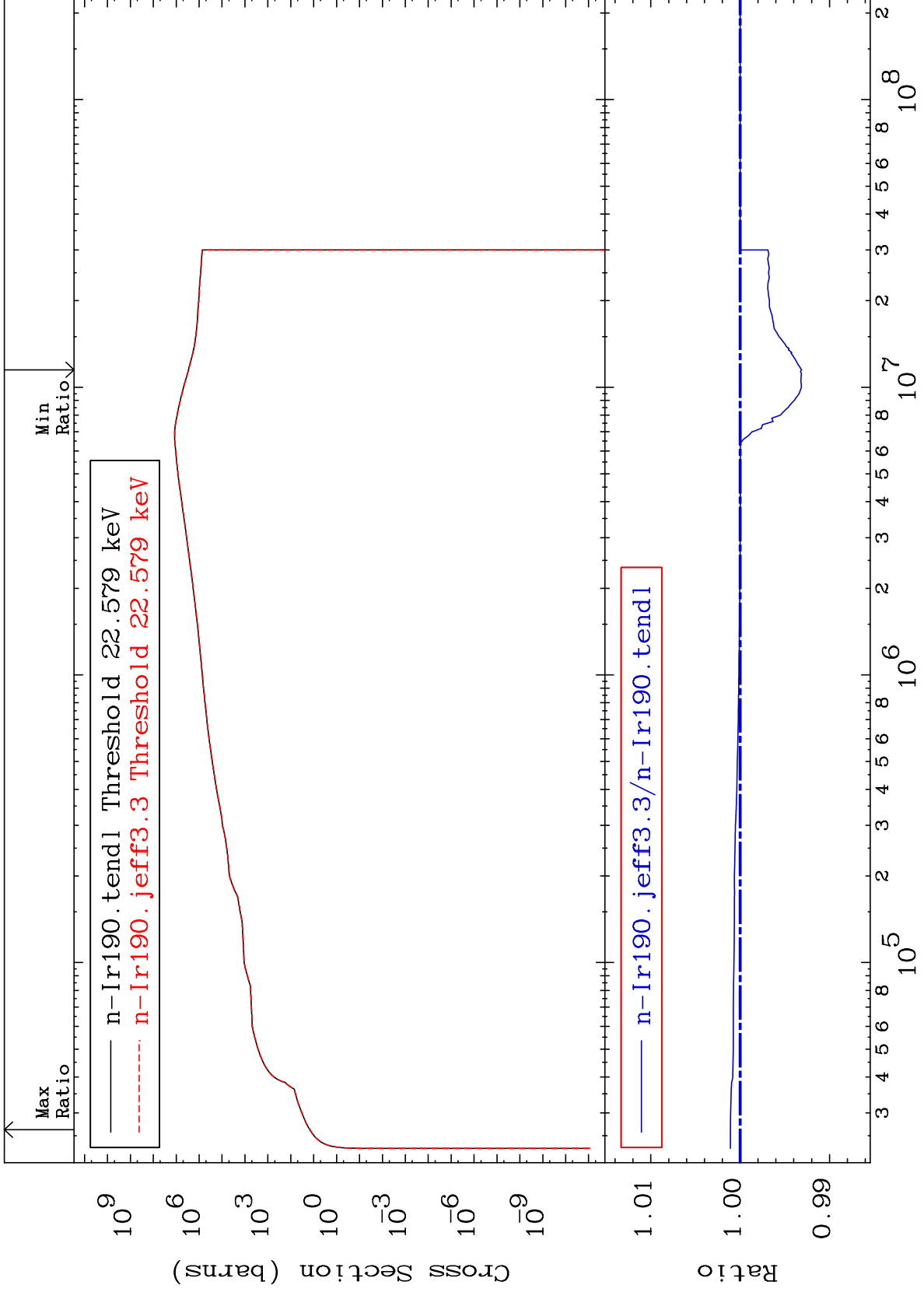




MAT 7722

Kerma inelastic (mt51-91)
Cross Section

77-Ir-190
-0.687 To 0.109 %



71

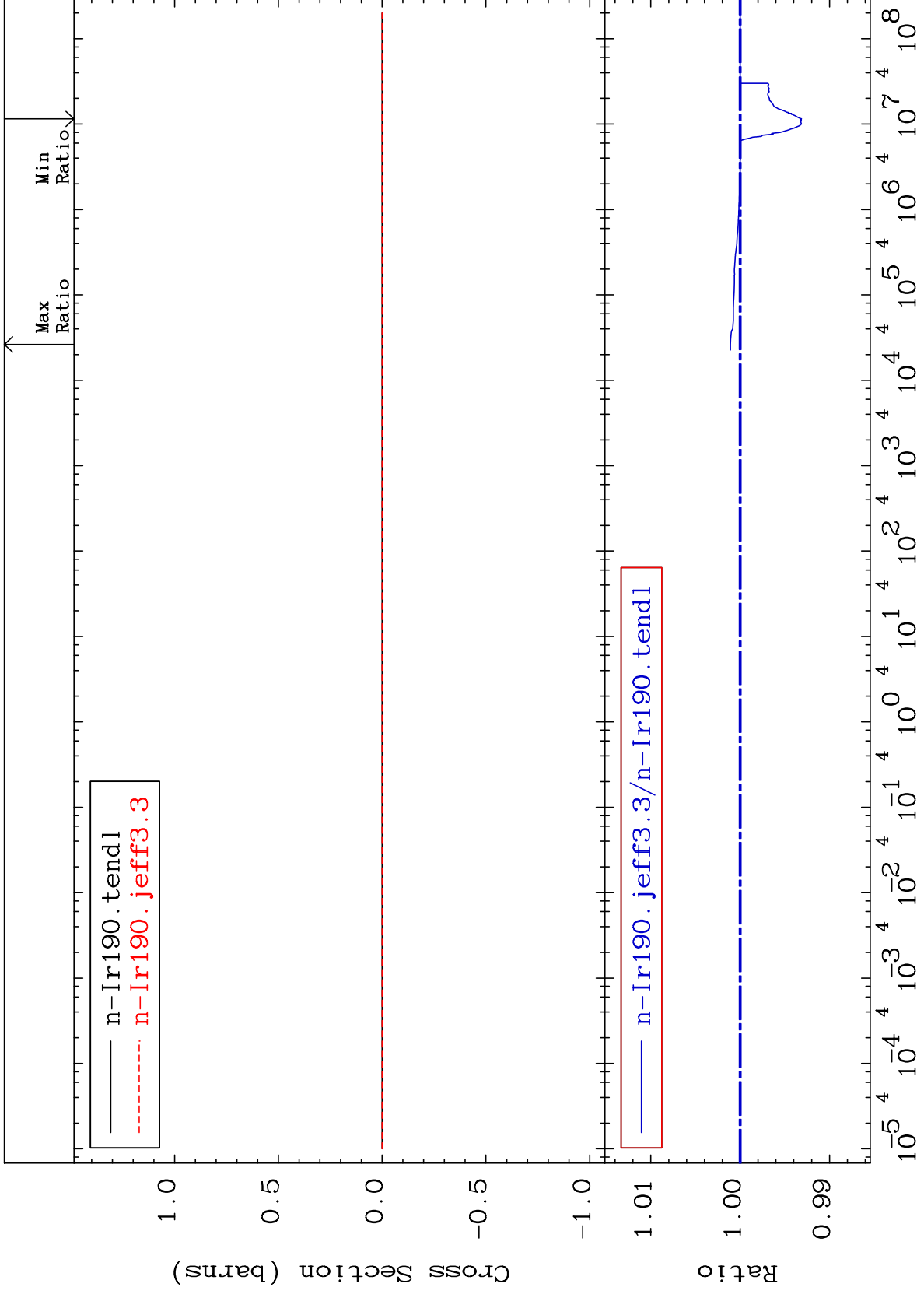
Incident Energy (eV)

77-Ir-190

MAT 7722

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

77-Ir-190
-0.687 To 0.109 %



72

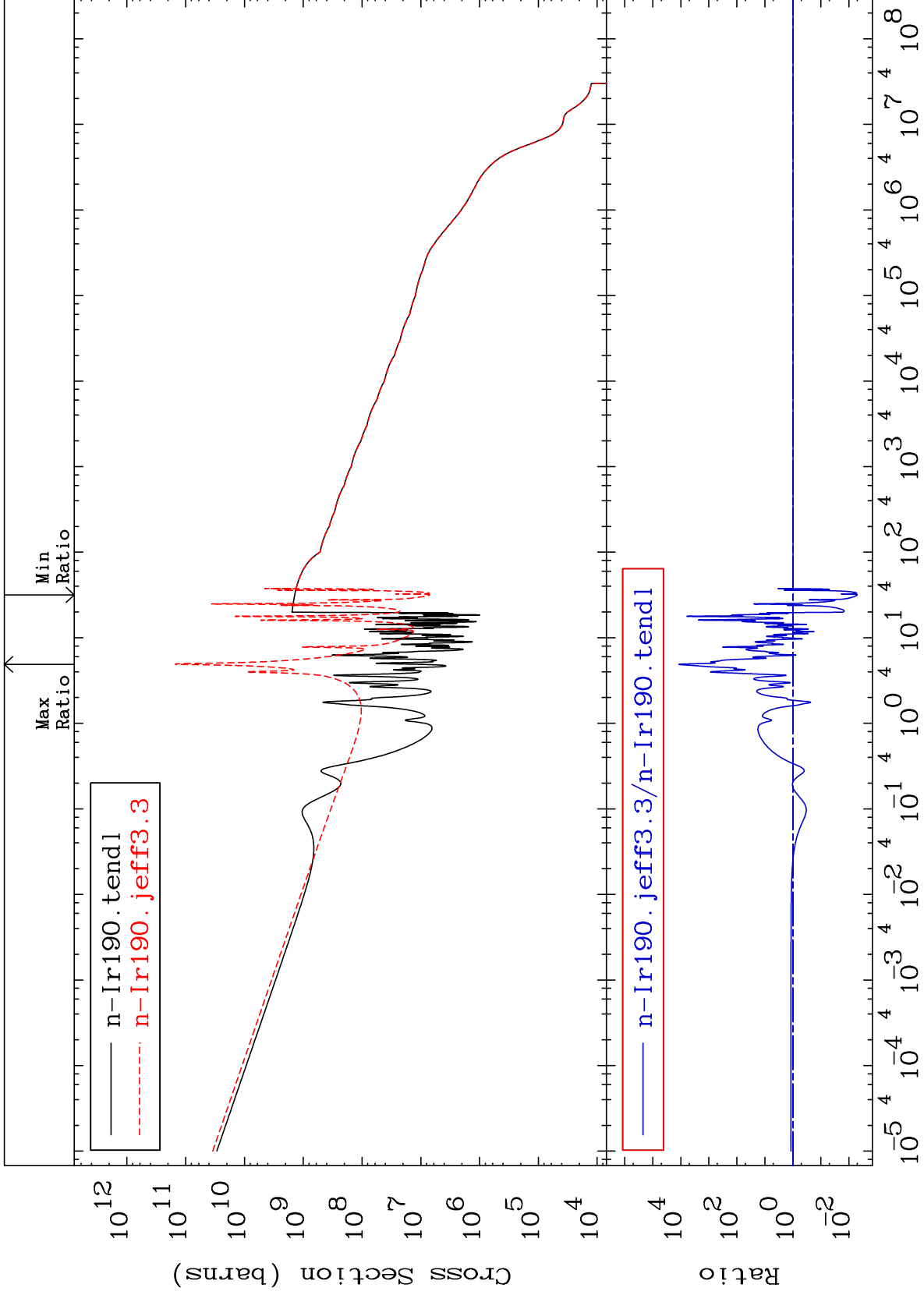
Incident Energy (eV)

77-Ir-190

MAT 7722

Kerma capture (mt102)
Cross Section

77-Ir-190
-99.50 To 9999. %



73

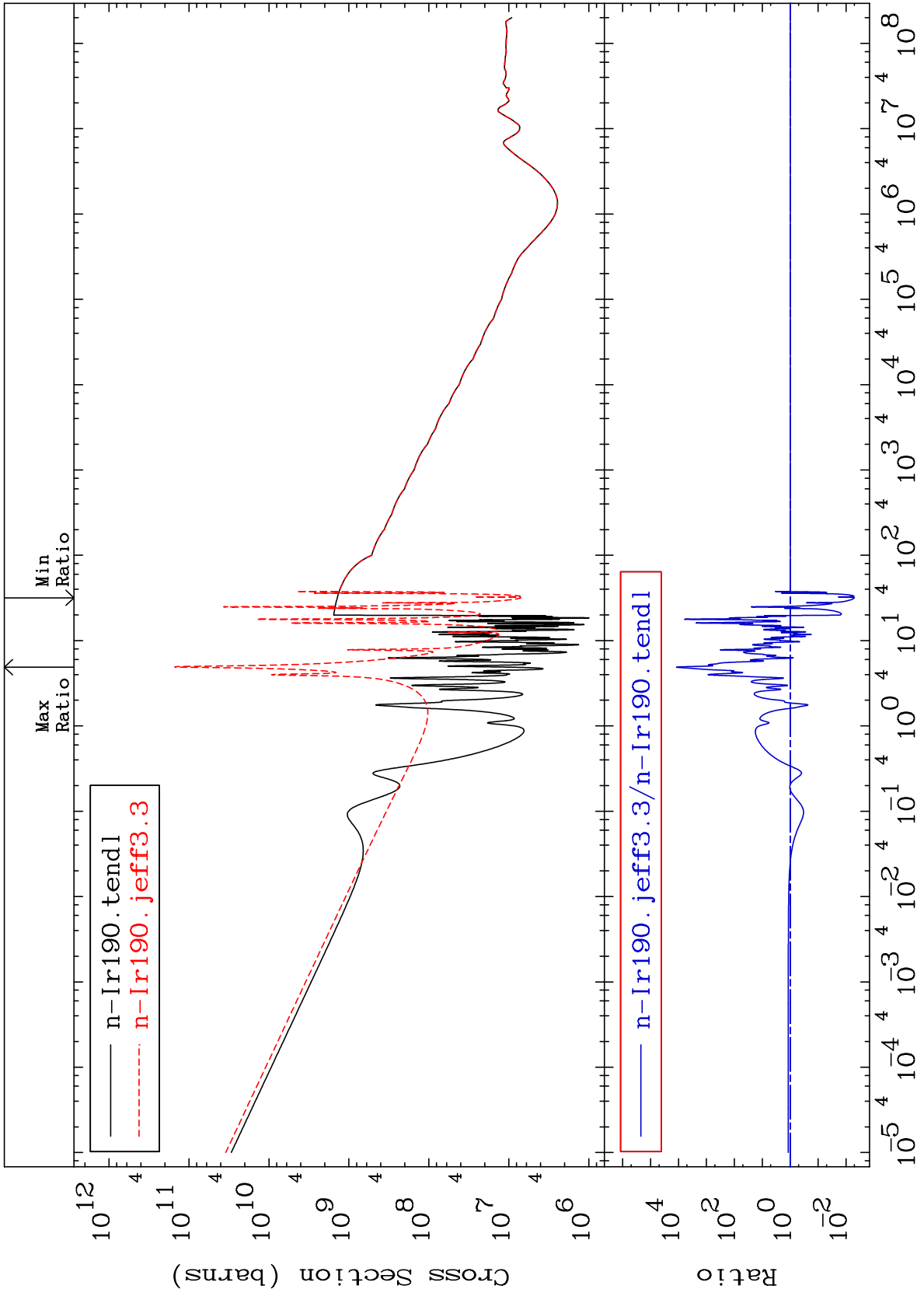
Incident Energy (eV)

77-Ir-190

MAT 7722

Total photon (eV-barns)
Cross Section

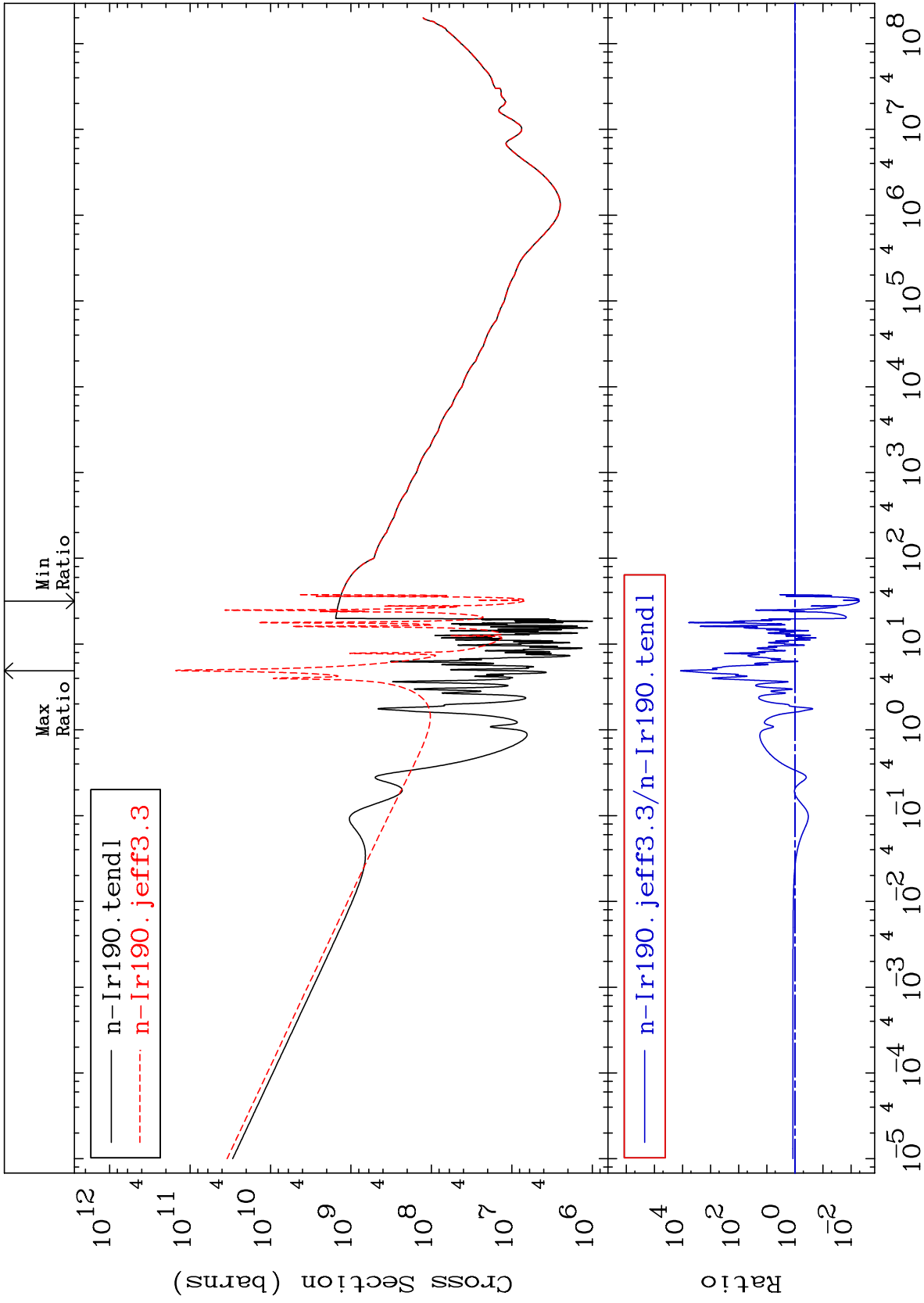
⁷⁷Ir-¹⁹⁰
-99.50 To 9999. %

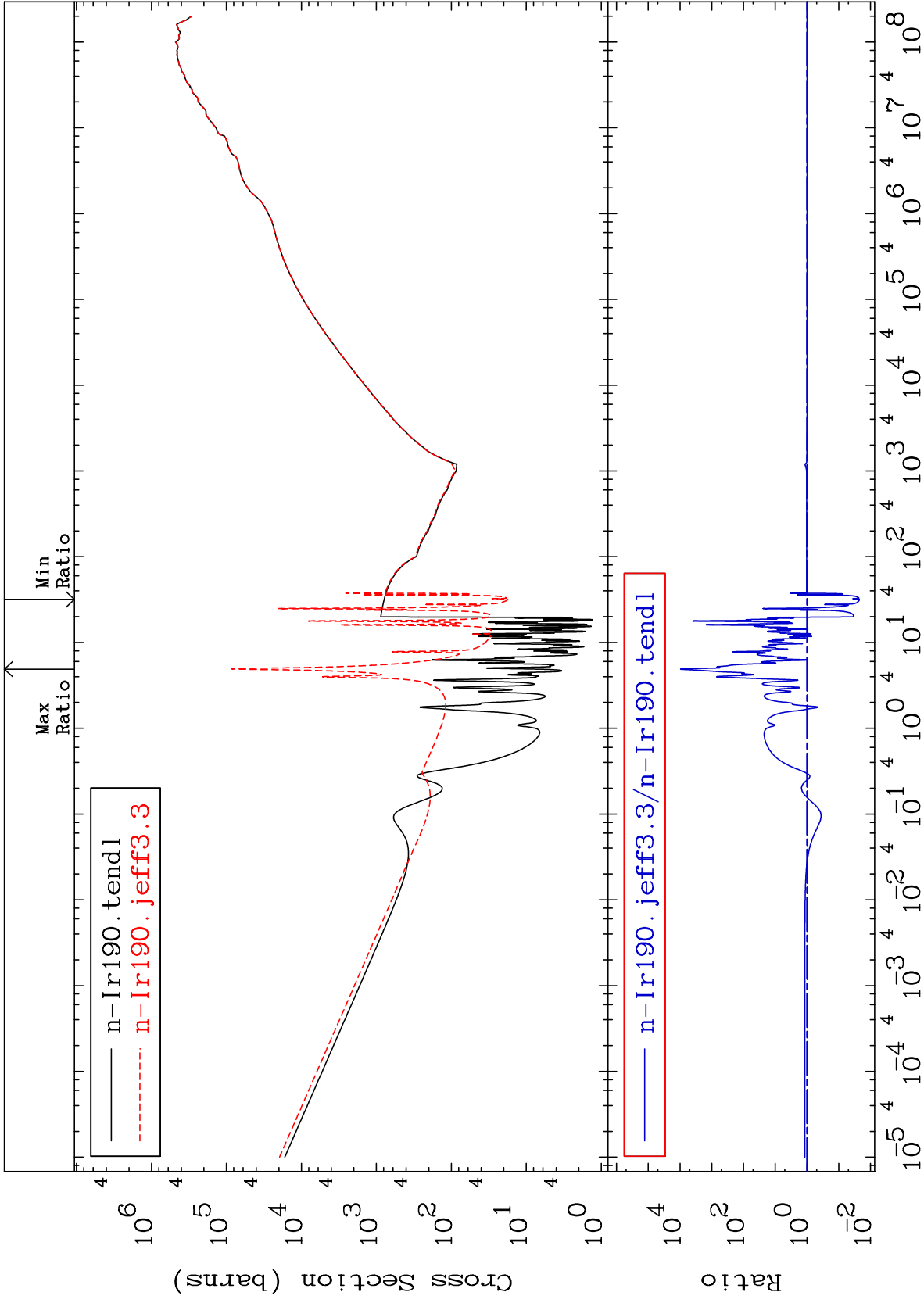


74

Incident Energy (eV)

⁷⁷Ir-¹⁹⁰

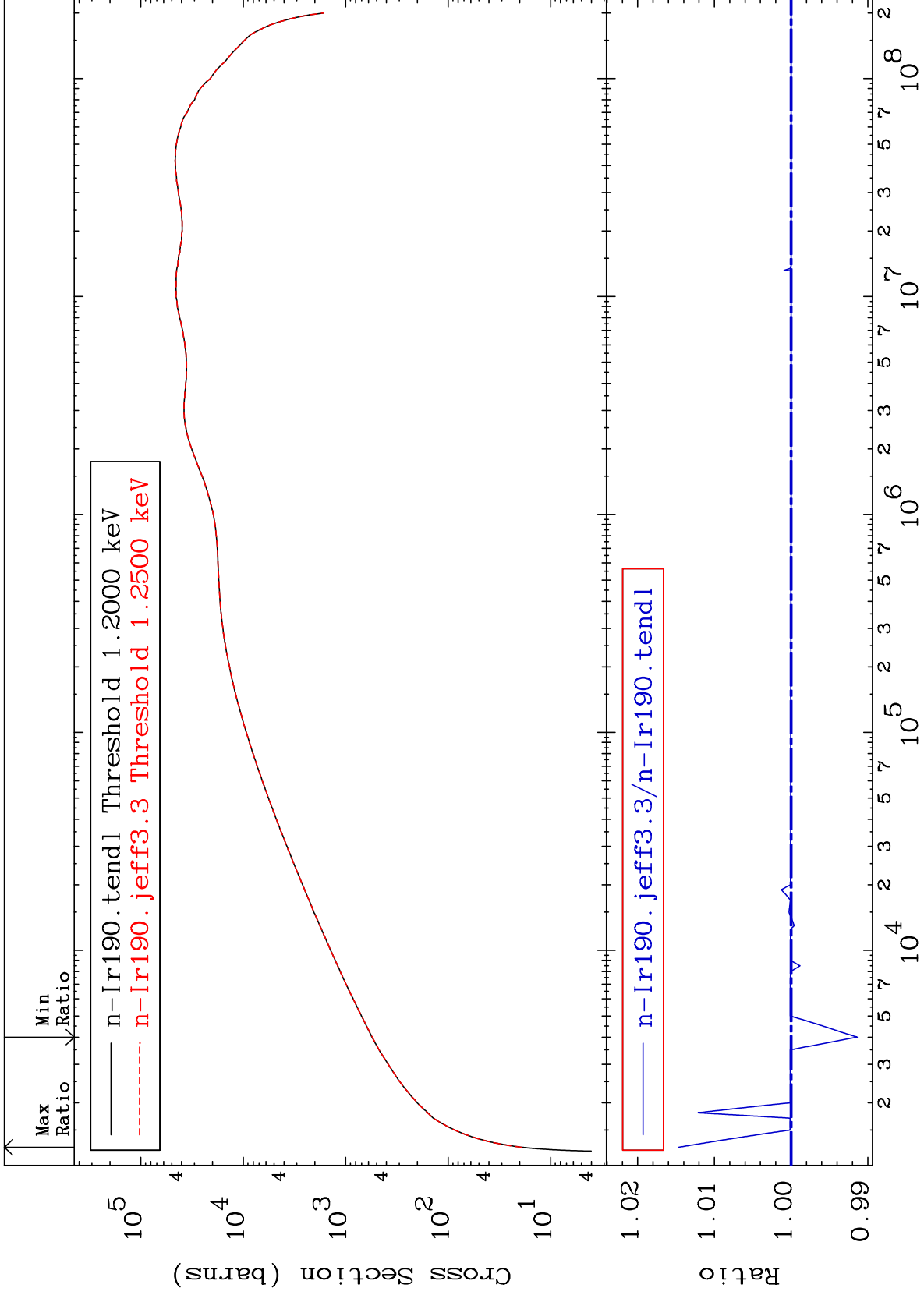




MAT 7722

Dpa elastic (mt2)
Cross Section

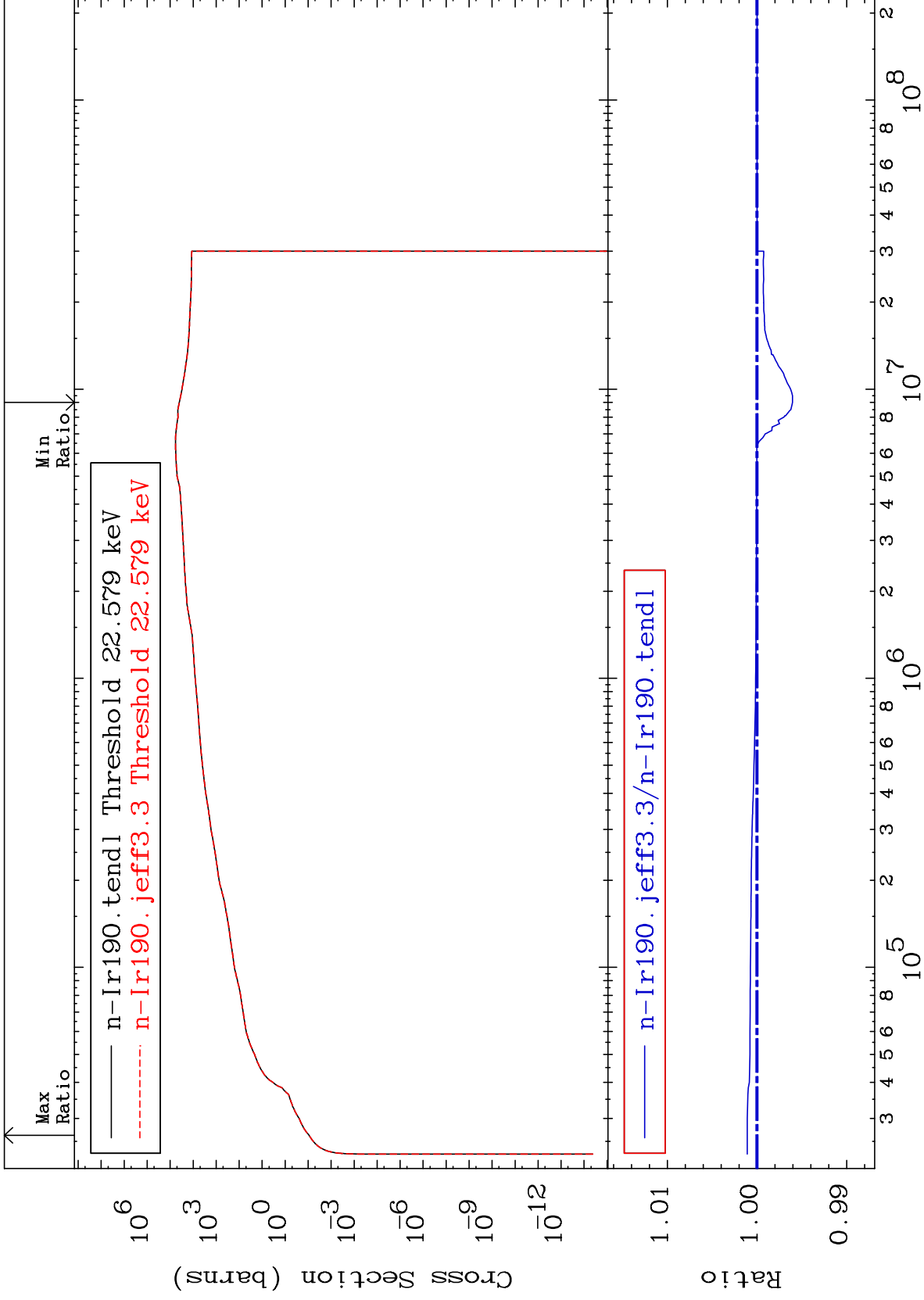
77-Ir-190
-0.863 To 1.466 %

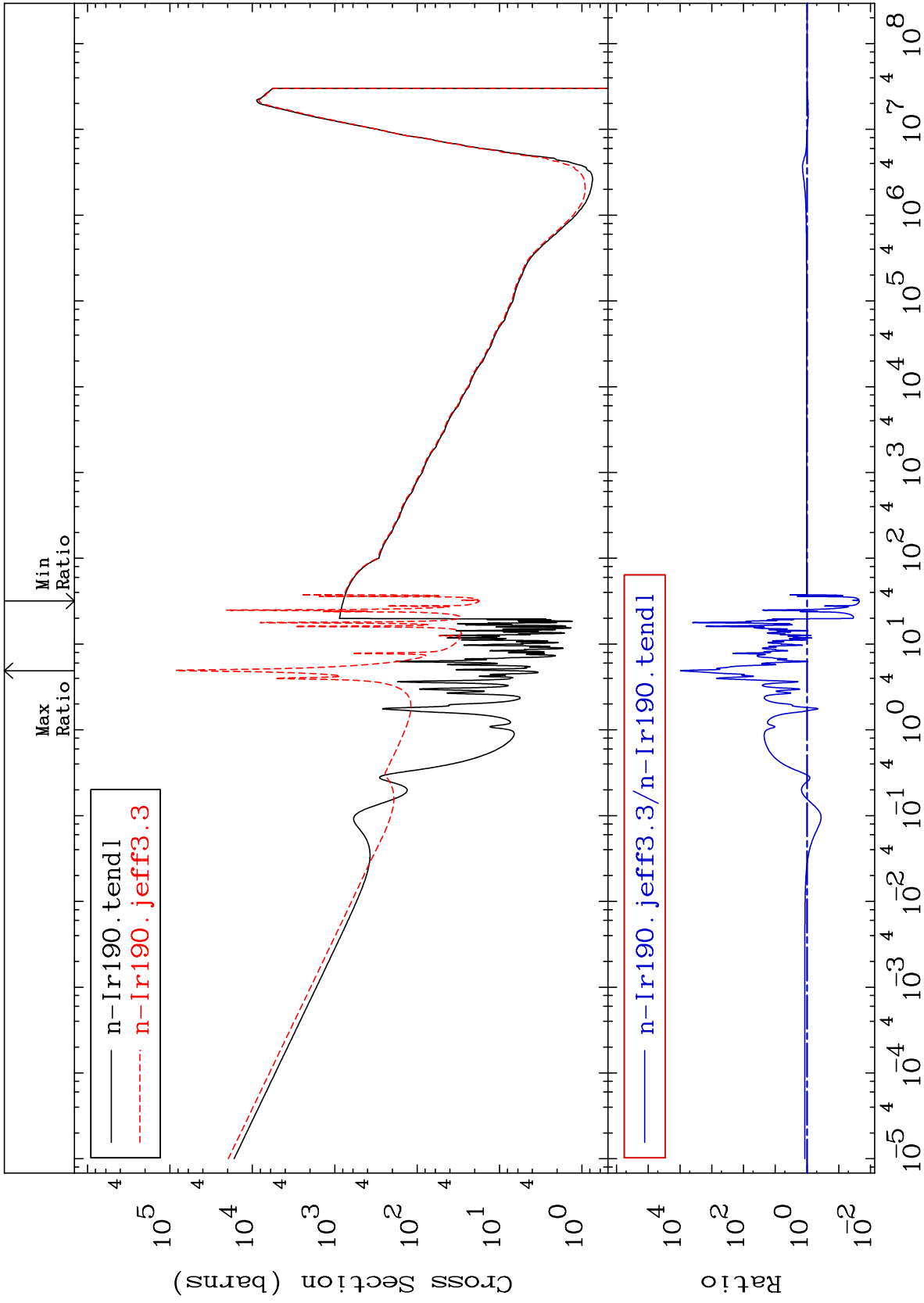


77

Incident Energy (eV)

77-Ir-190



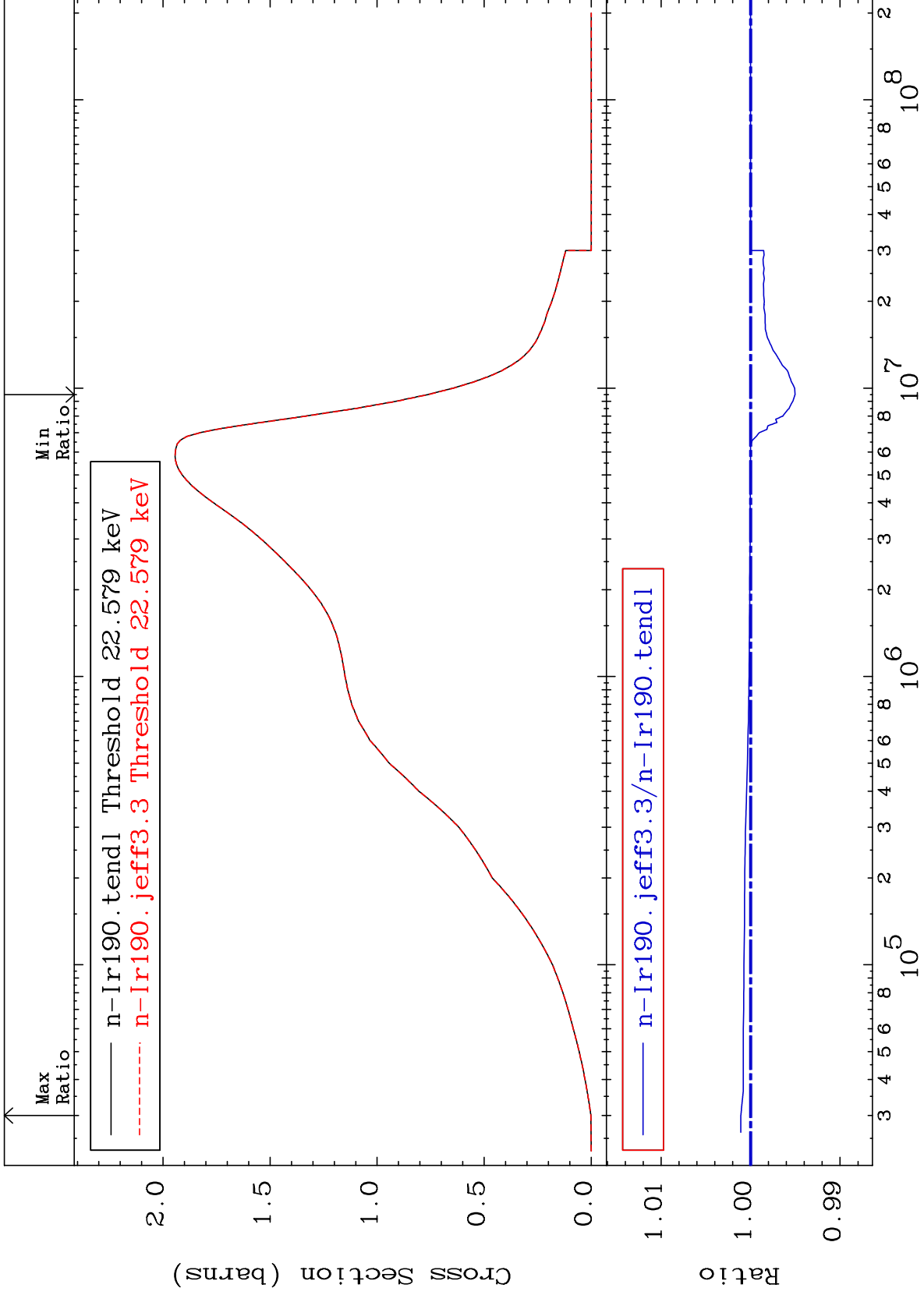


MAT 7722

Inelastic: 77-Ir-190g

77-Ir-190

Radionuclide Production Cross Section -0.496 To 0.109 %



80

Incident Energy (eV)

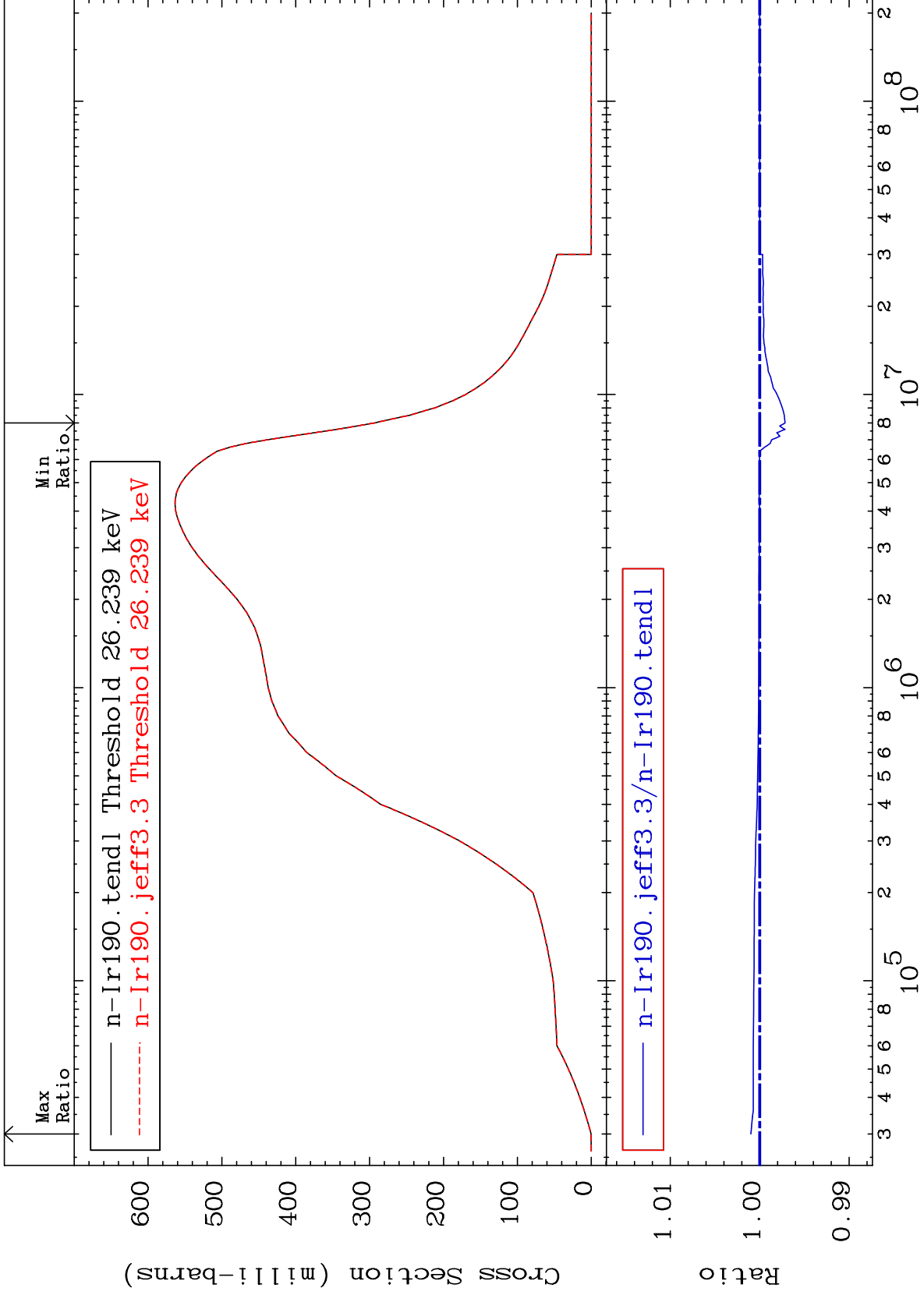
77-Ir-190

MAT 7722

Inelastic: 77-Ir-190m2

77-Ir-190

Radionuclide Production Cross Section -0.284 To 0.099 %



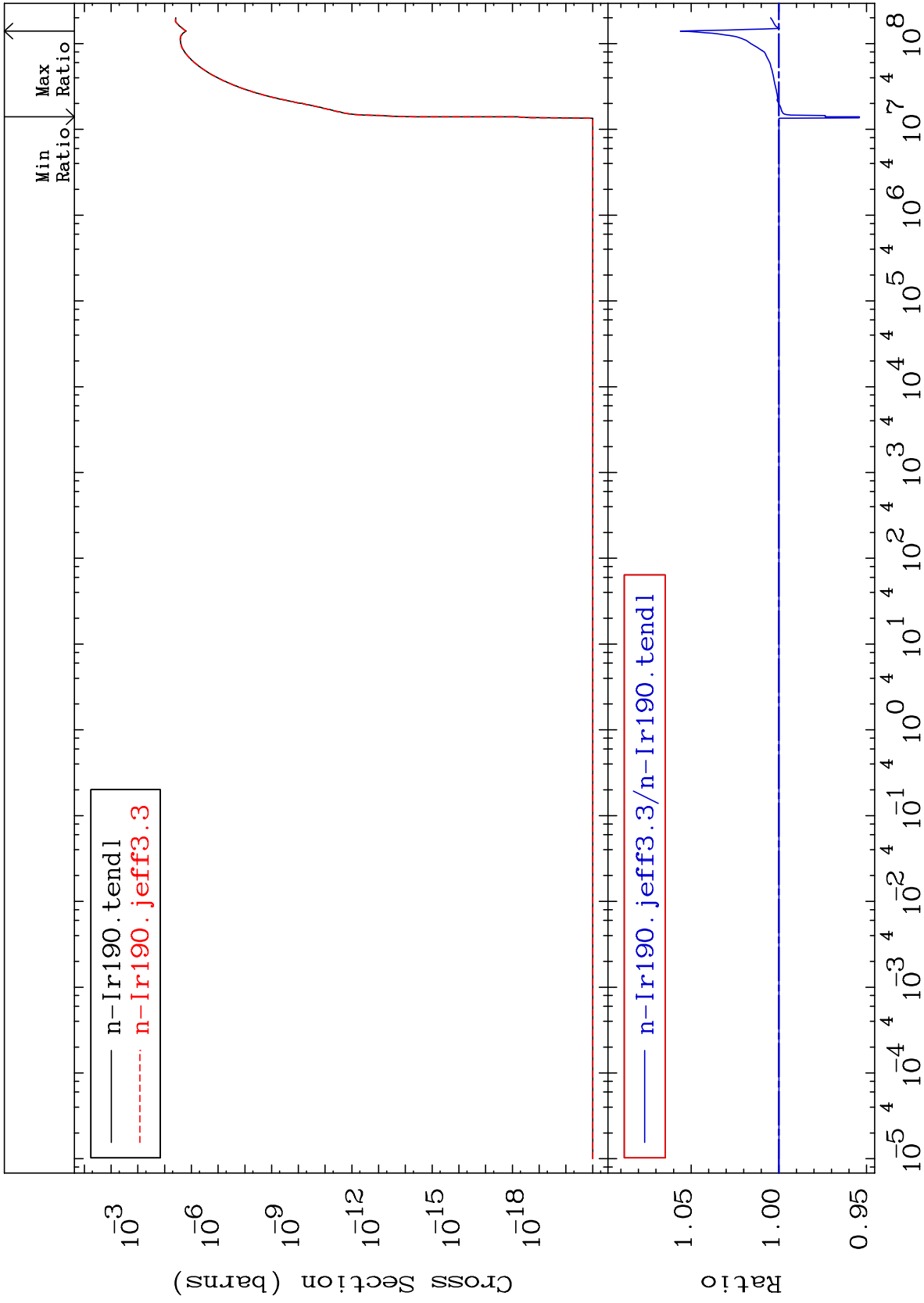
MAT 7722

Fission: Photon

⁷⁷Ir-190

Radionuclide Production Cross Section

-4.592 To 5.613 %



Incident Energy (eV)

⁷⁷Ir-190

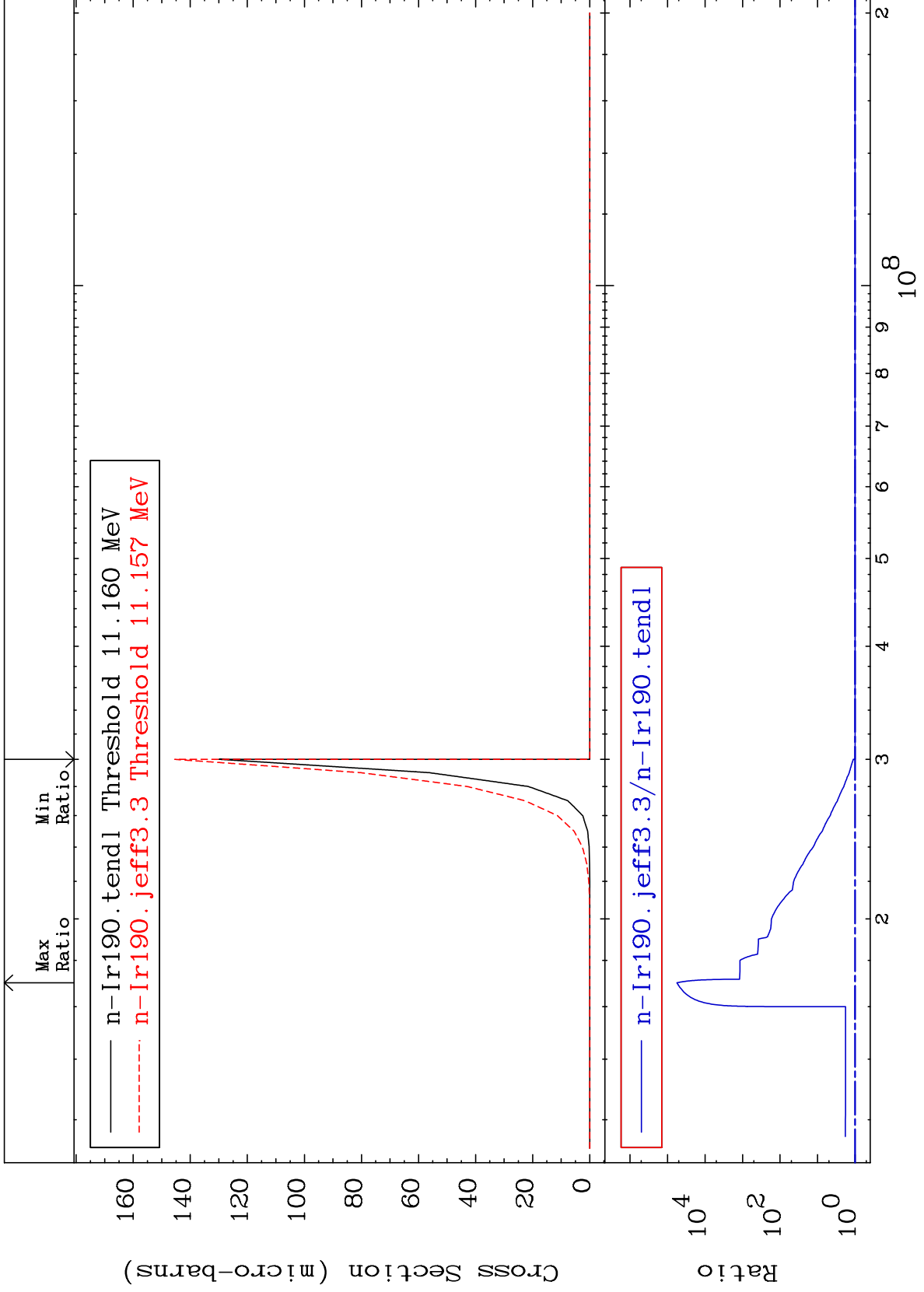
82

MAT 7722

(n,3n) α : 75-Re-184g

77-Ir-190
To 9999. %

Radionuclide Production Cross Section 0.000

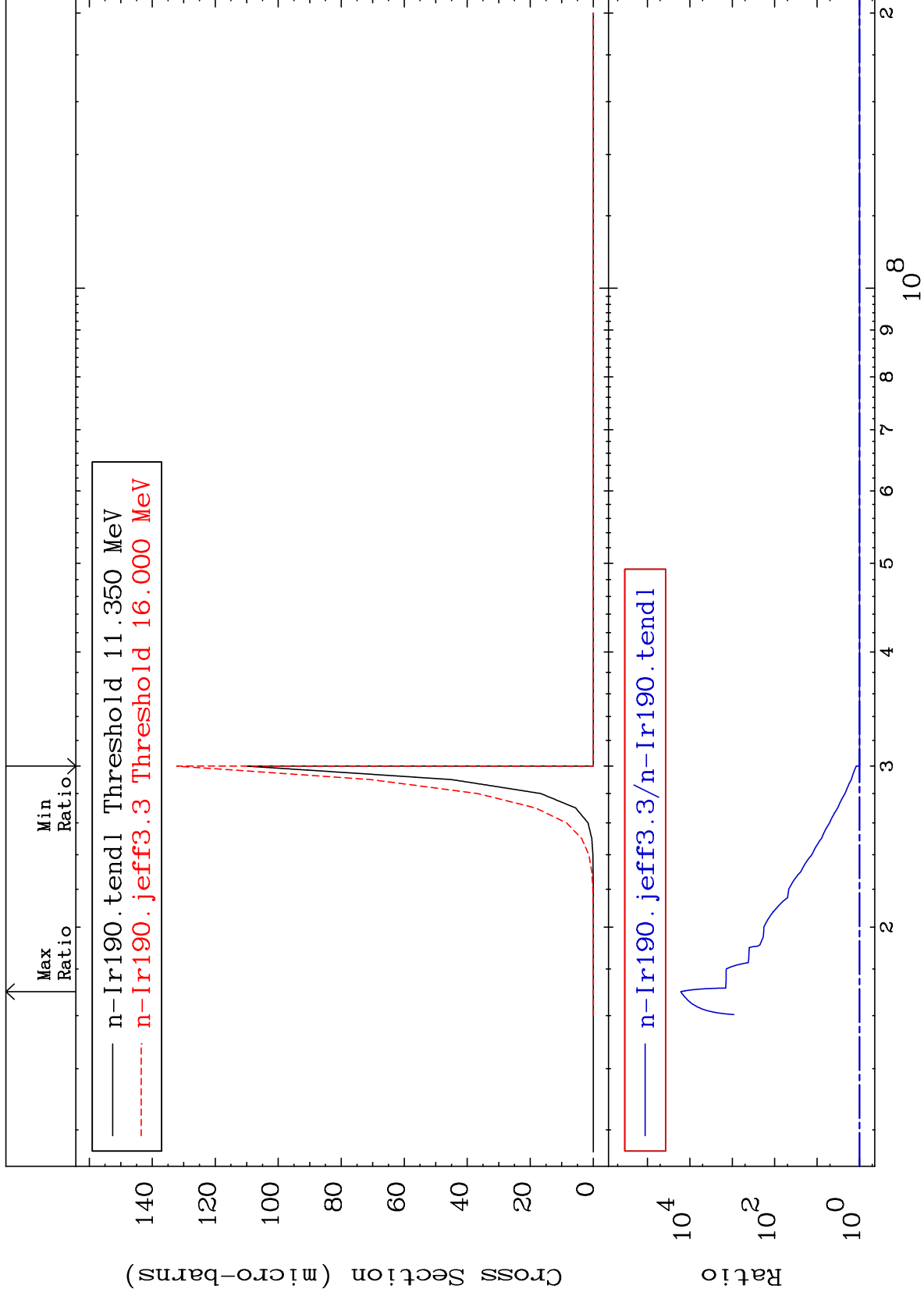


MAT 7722

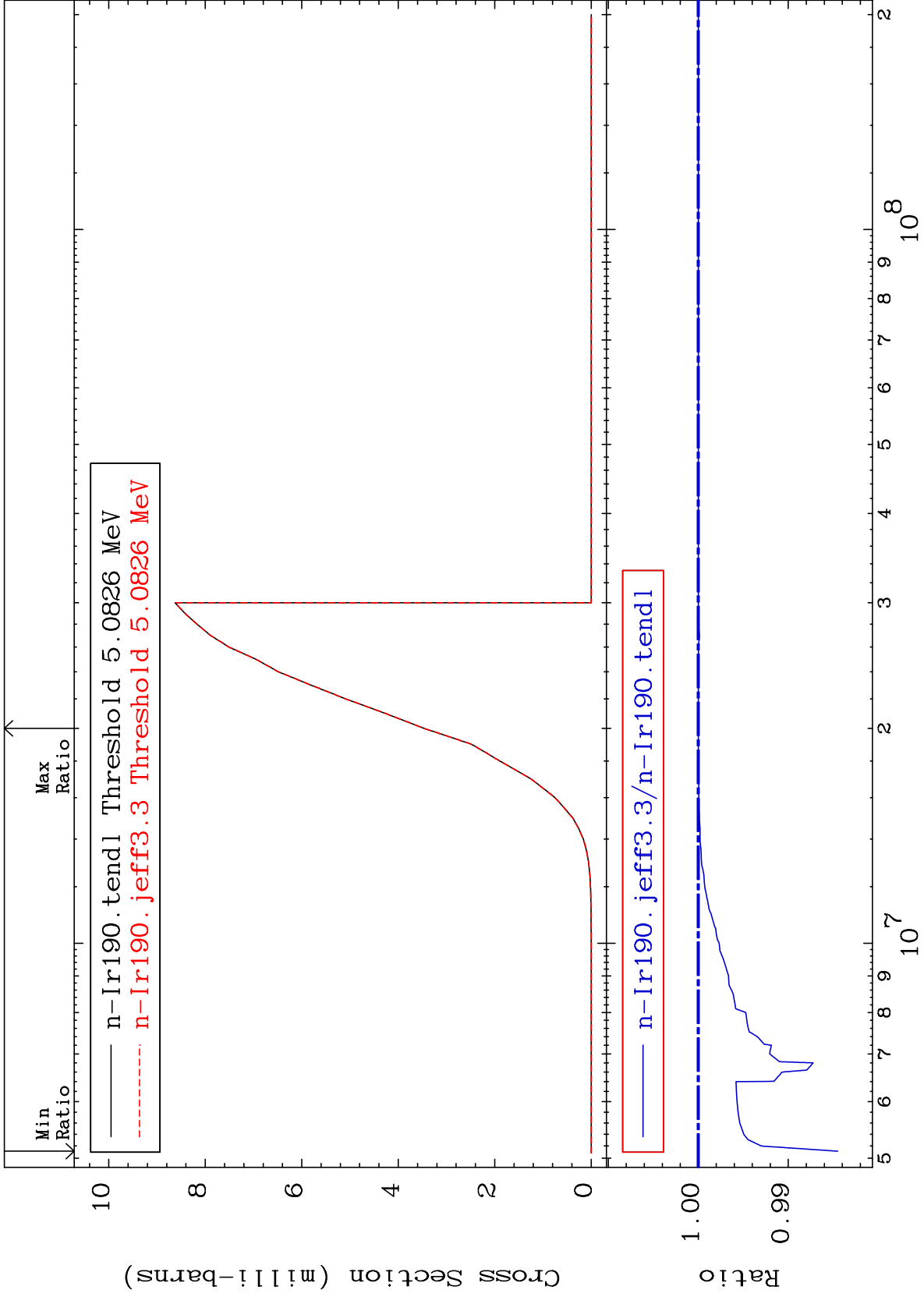
(n, 3n) α : 75-Re-184m5

77-Ir-190

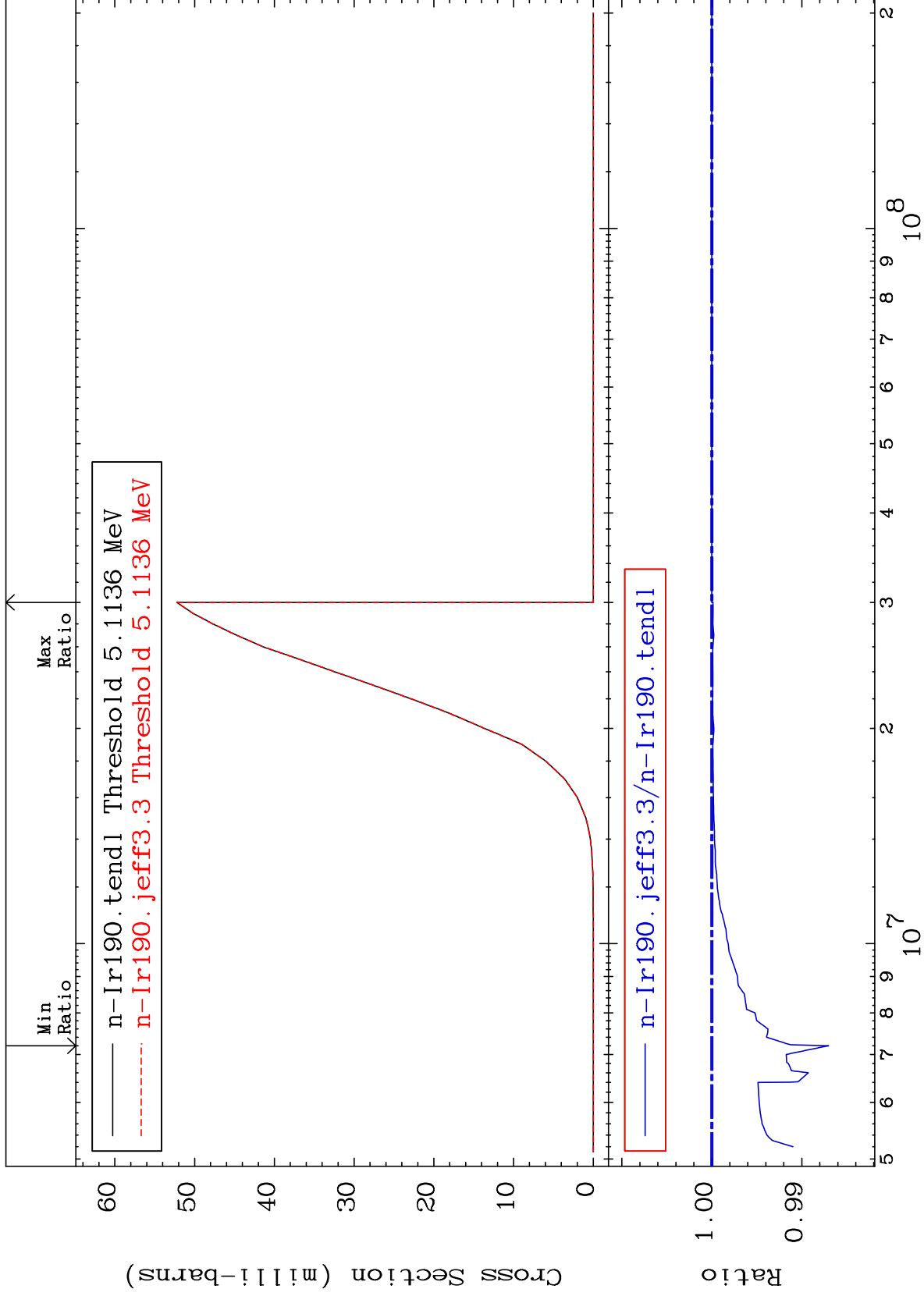
Radionuclide Production Cross Section 0.000 To 9999. %



Radionuclide Production Cross Section -1.549 To 0.000 %



Radionuclide Production Cross Section -1.297 To 0.000 %

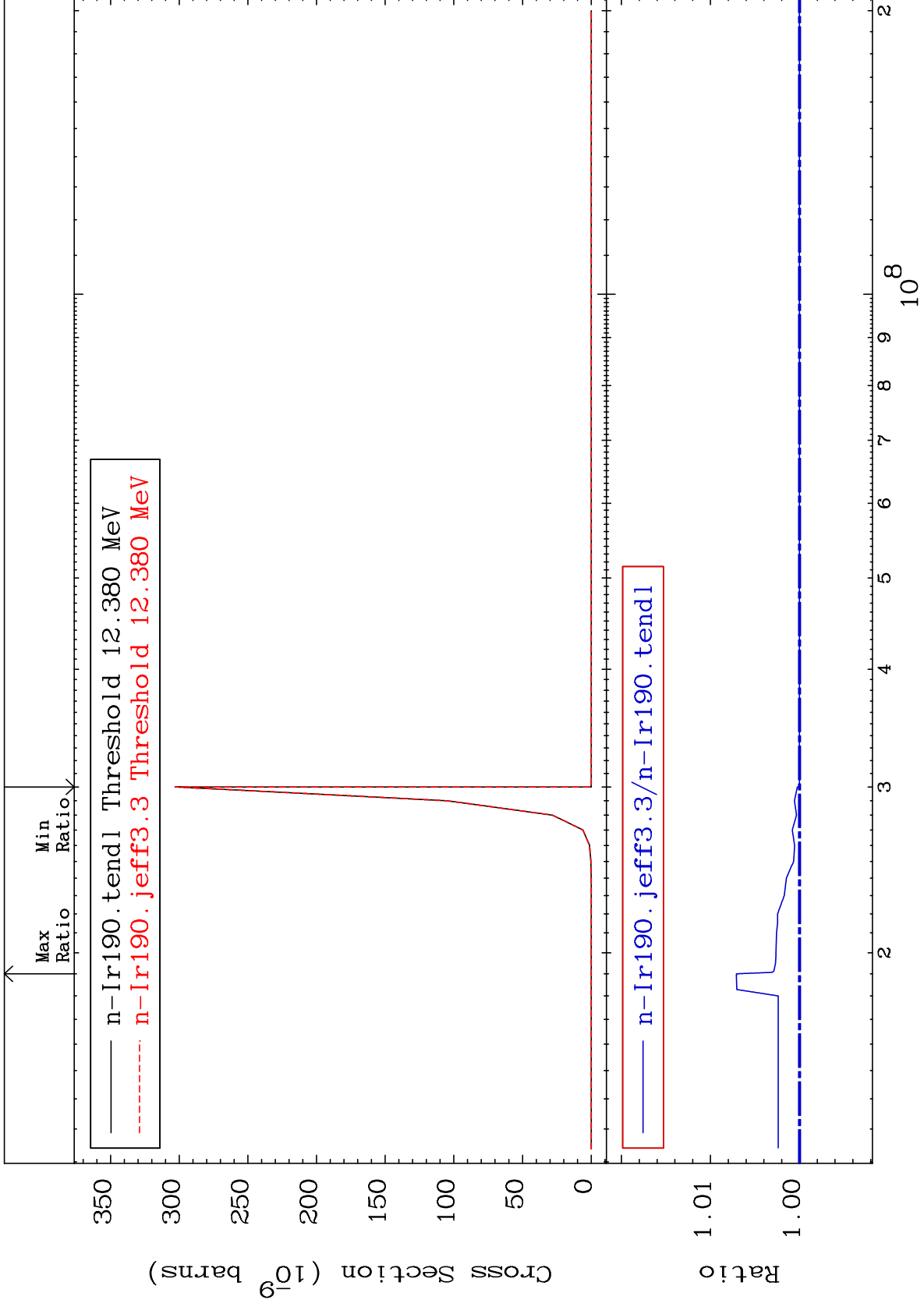


MAT 7722

(n,2n) p: 75-Re-188g

77-Ir-190

Radionuclide Production Cross Section 0.000 To 0.709 %

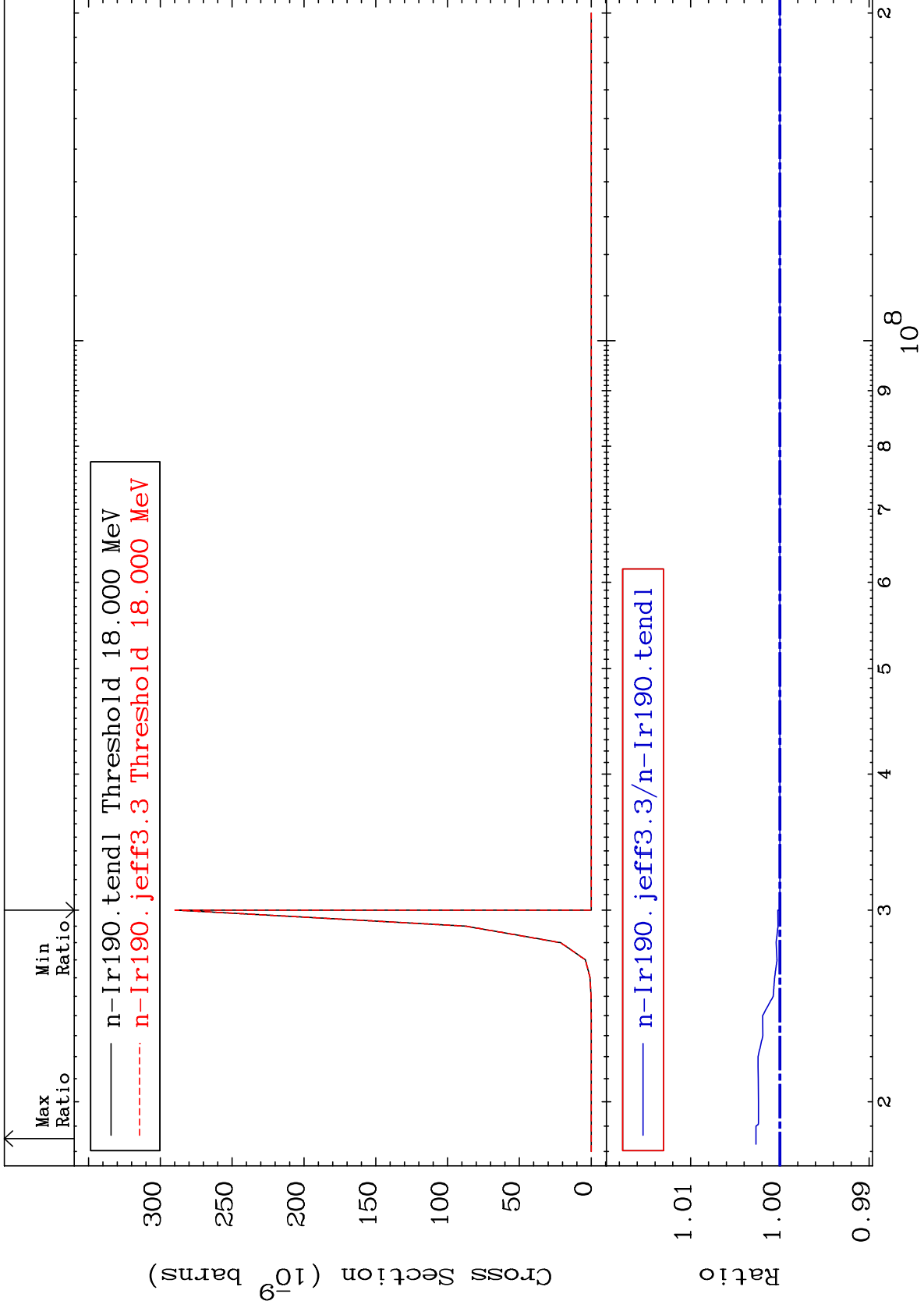


MAT 7722

(n,2n) p:75-Re-188m7

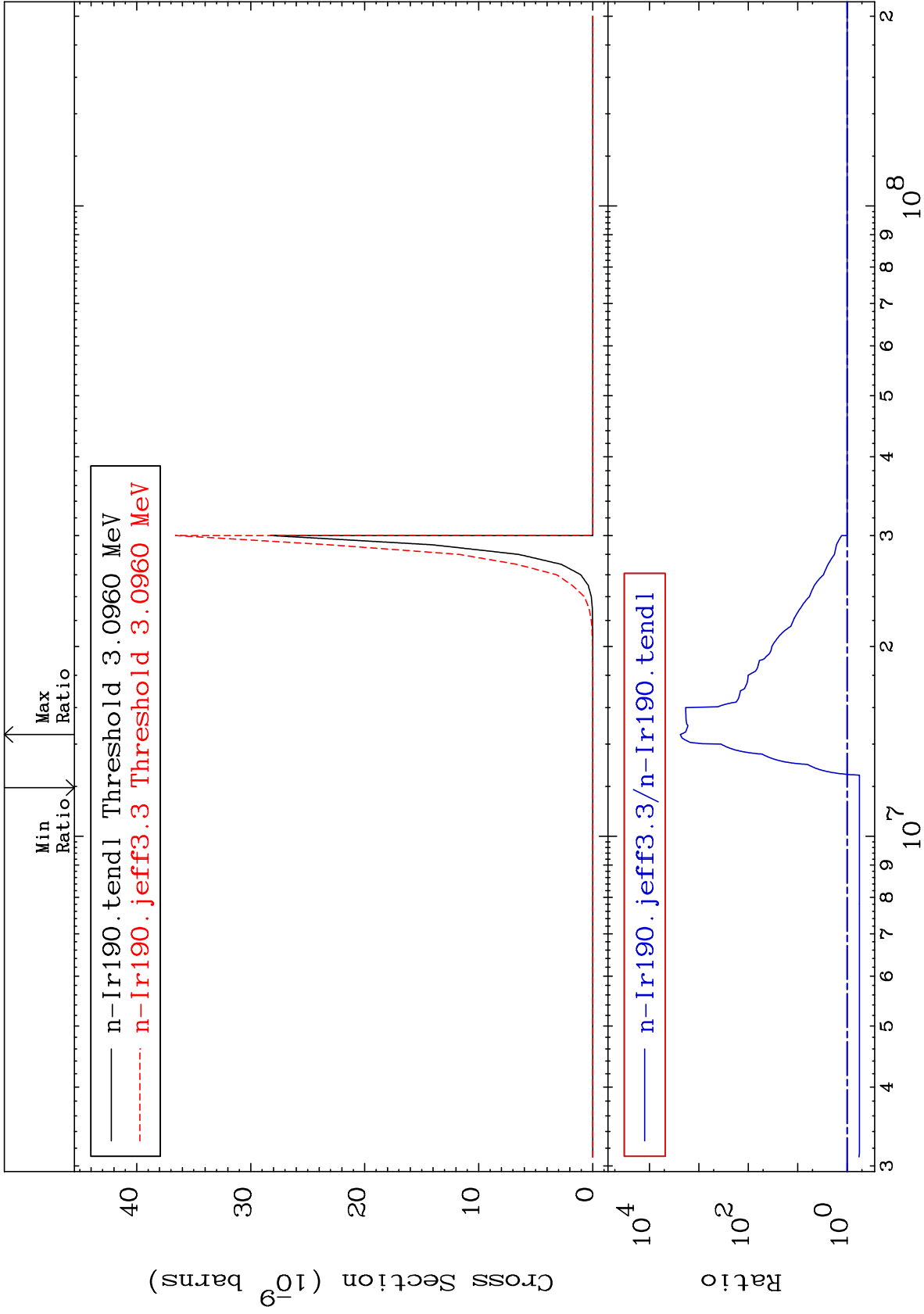
77-Ir-190

Radionuclide Production Cross Section 0.000 To 0.267 %



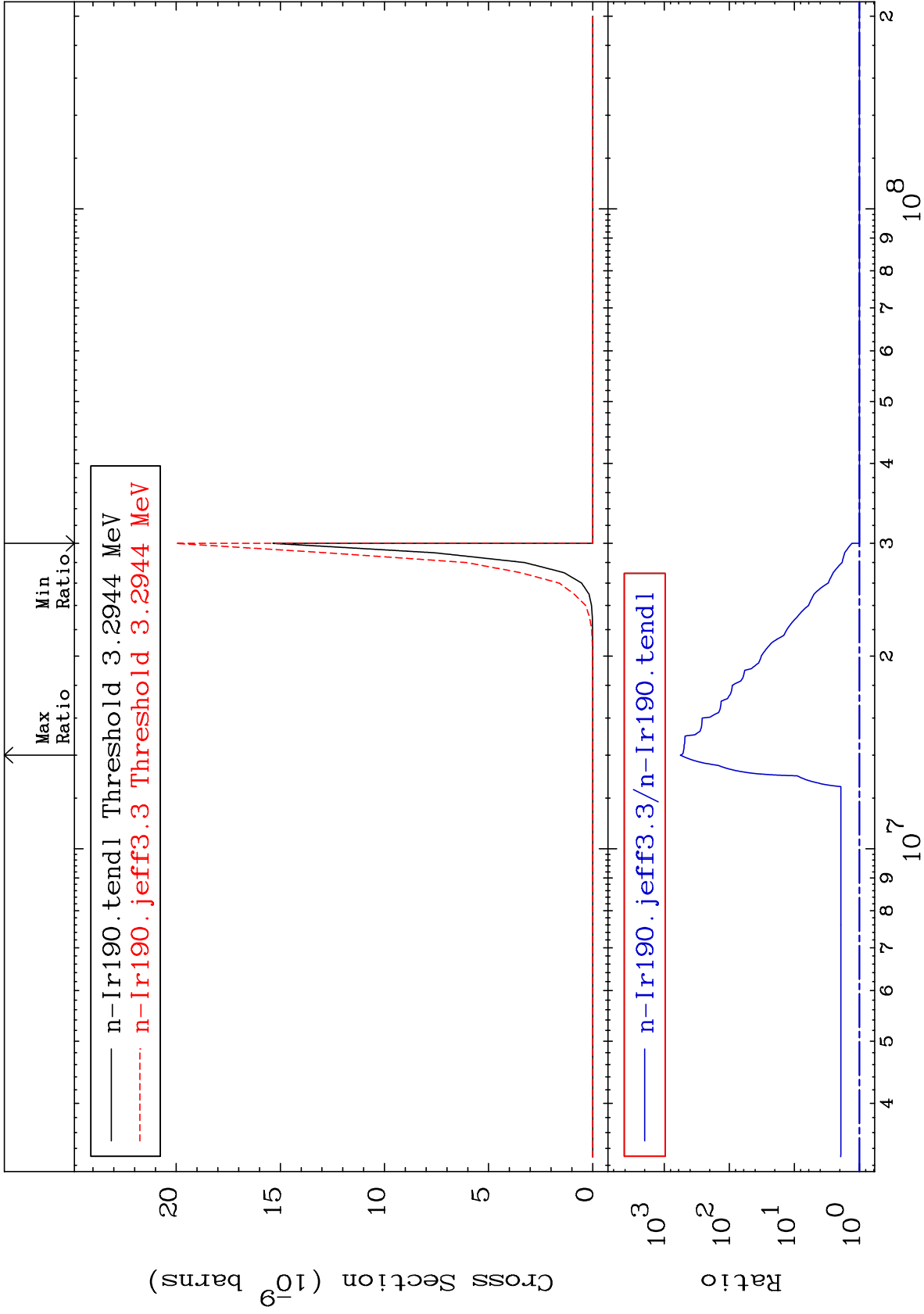
MAT 7722

(n, n') p α :74-W -185g 77-Ir-190
Radionuclide Production Cross Section -43.66 To 9999. %



MAT 7722

(n, n') p α :74-W -185m6 77-Ir-190
Radionuclide Production Cross Section 0.000 To 9999. %



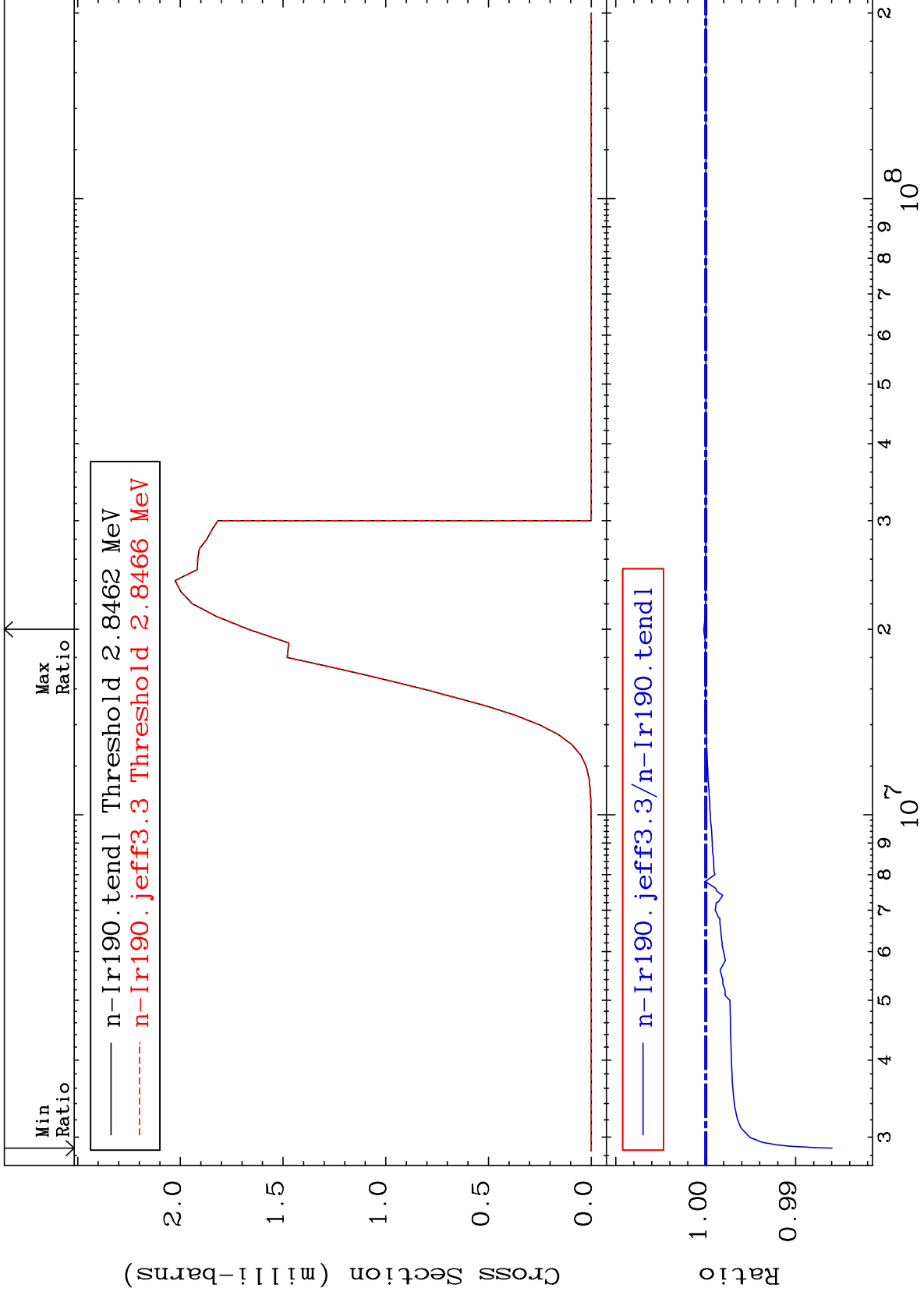
90

MAT 7722

(n,d):76-0s-189g

77-Ir-190

Radionuclide Production Cross Section -1.405 To 0.023 %

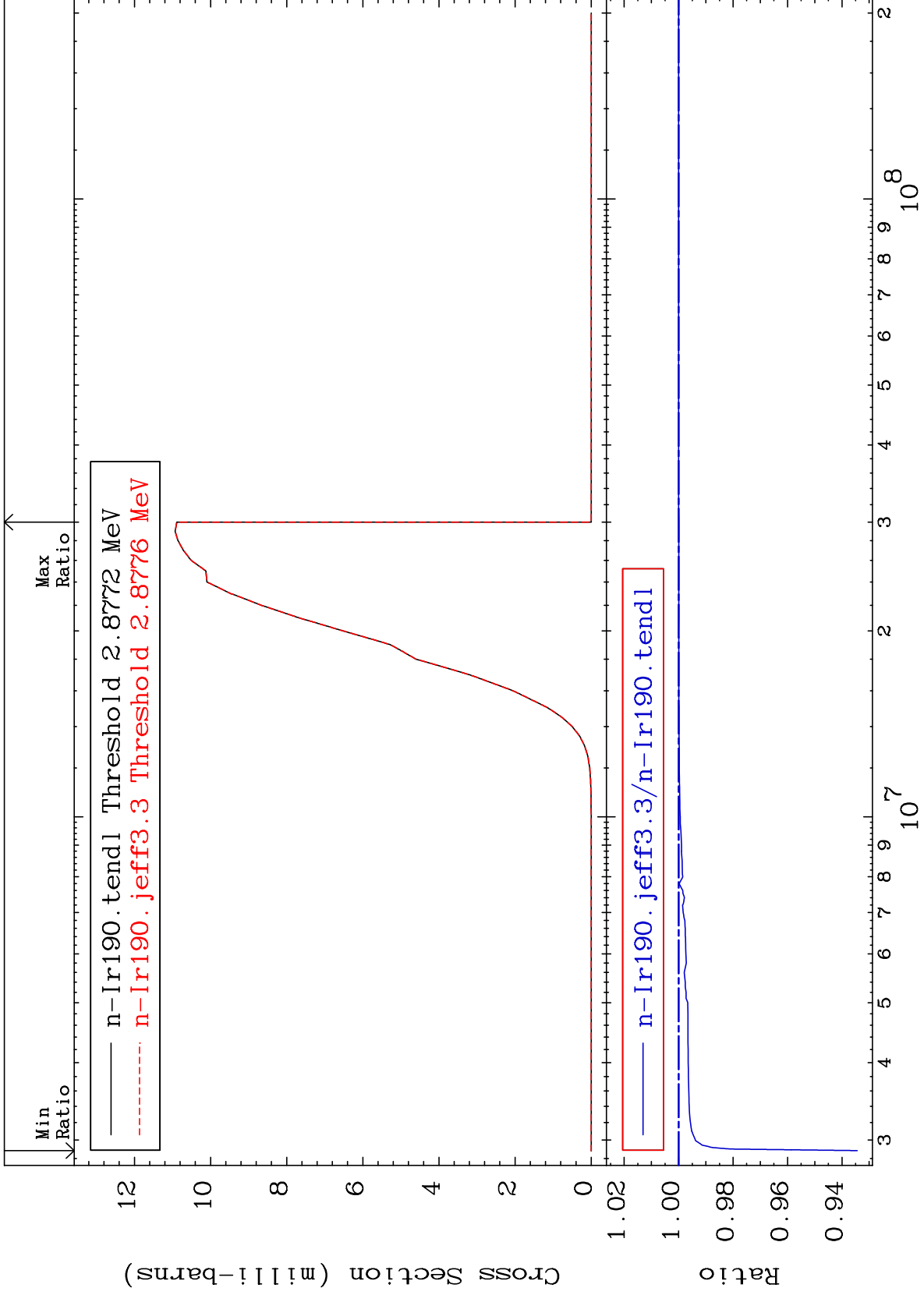


MAT 7722

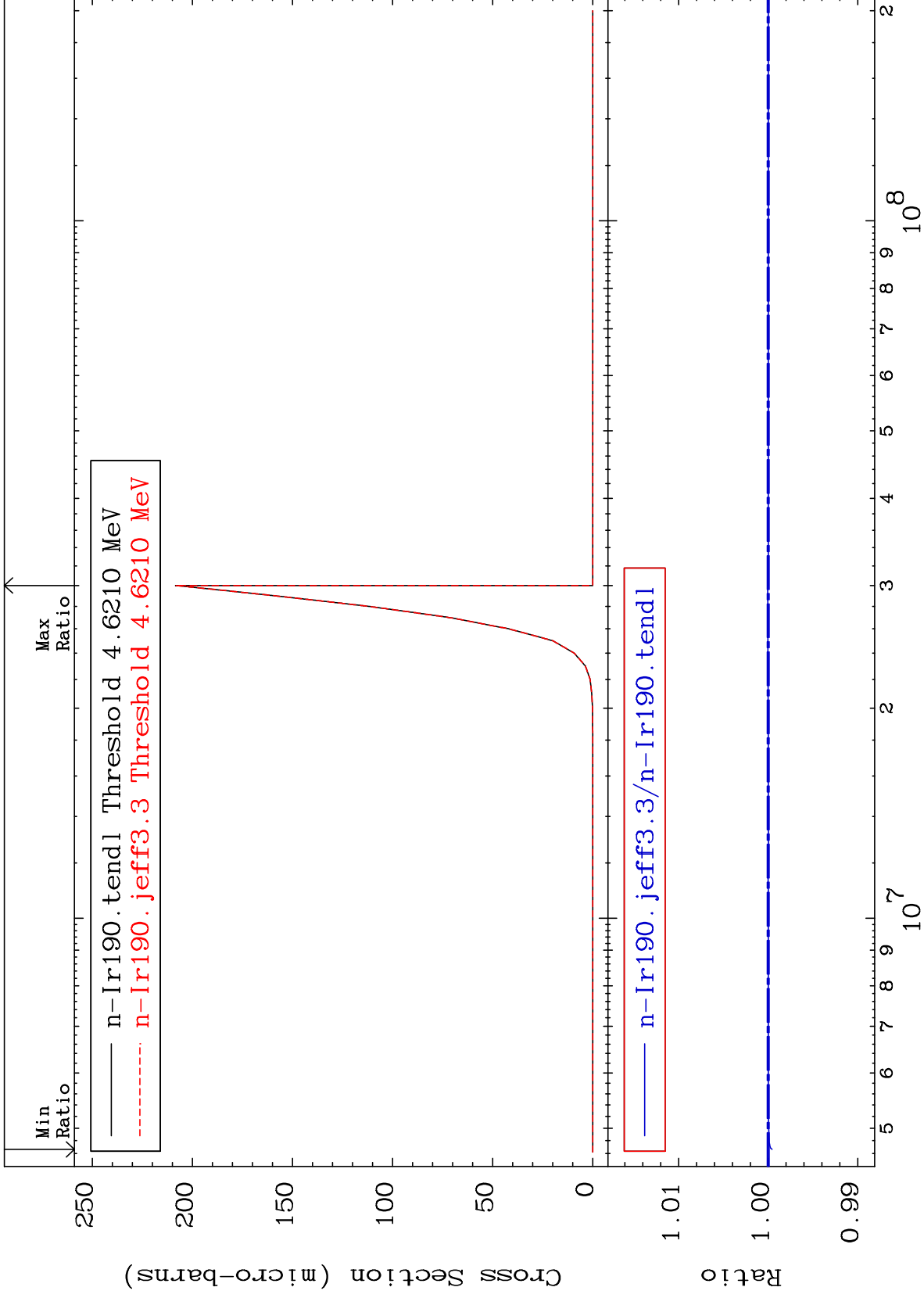
(n, d) : 76-0s-189m1

77-Ir-190

Radionuclide Production Cross Section -6.561 To 0.000 %



Radionuclide Production Cross Section -0.043 To 0.005 %

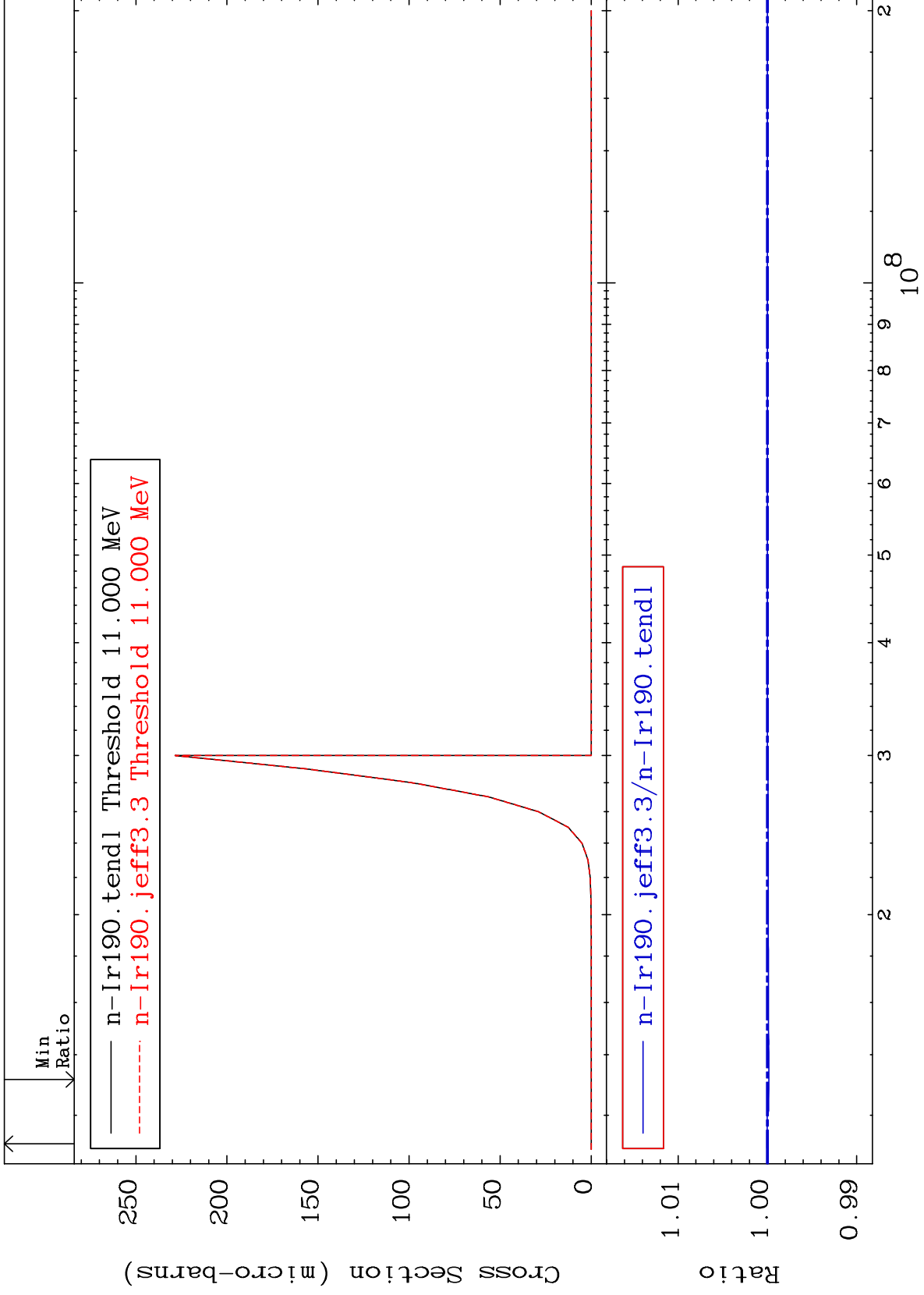


MAT 7722

(n,He-3):75-Re-188m7

77-Ir-190

Radionuclide Production Cross Section -0.016 To 0.004 %



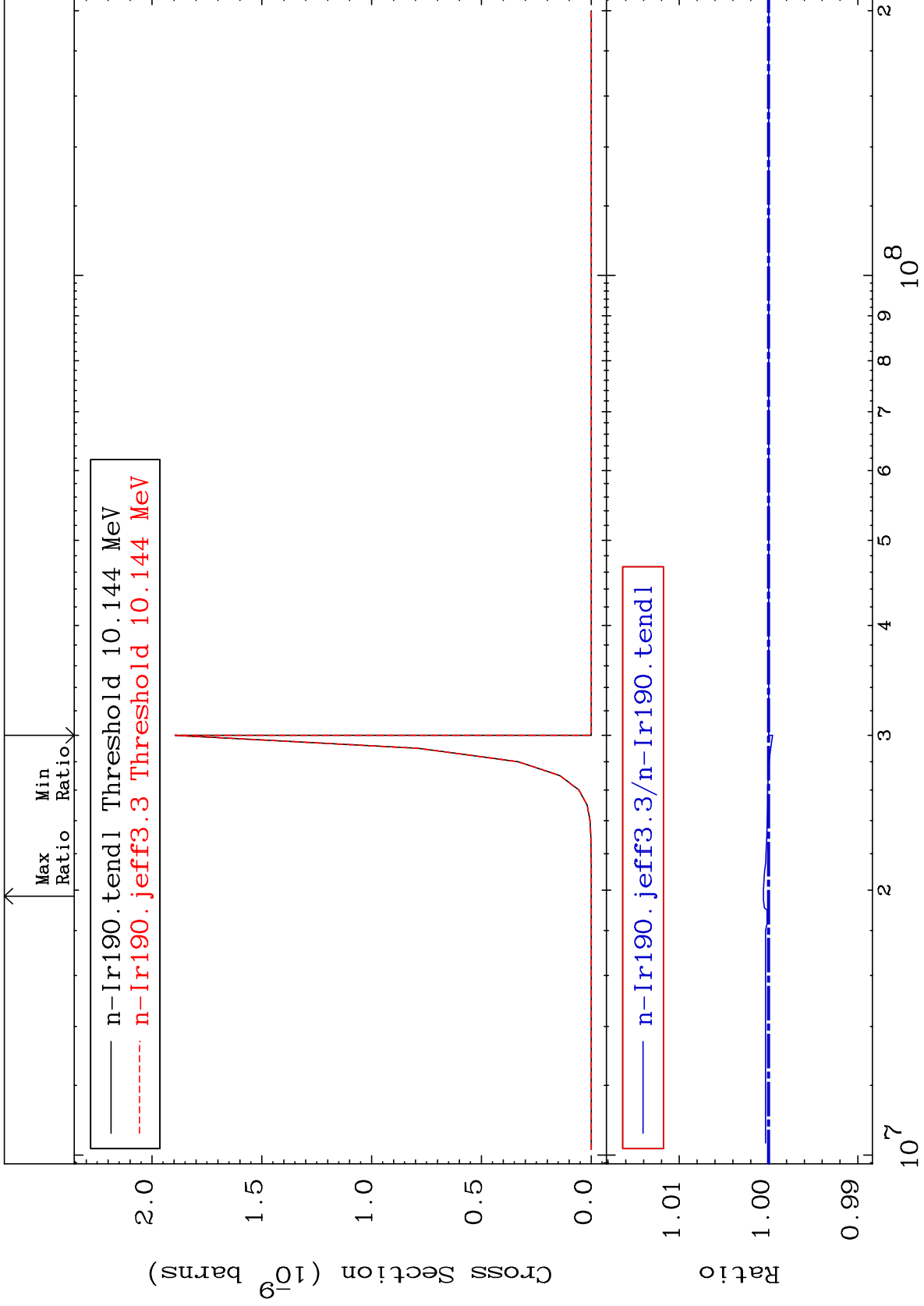
MAT 7722

(n, p) d: 75-Re-188g

77-Ir-190

Radionuclide Production Cross Section

-0.044 To 0.059 %

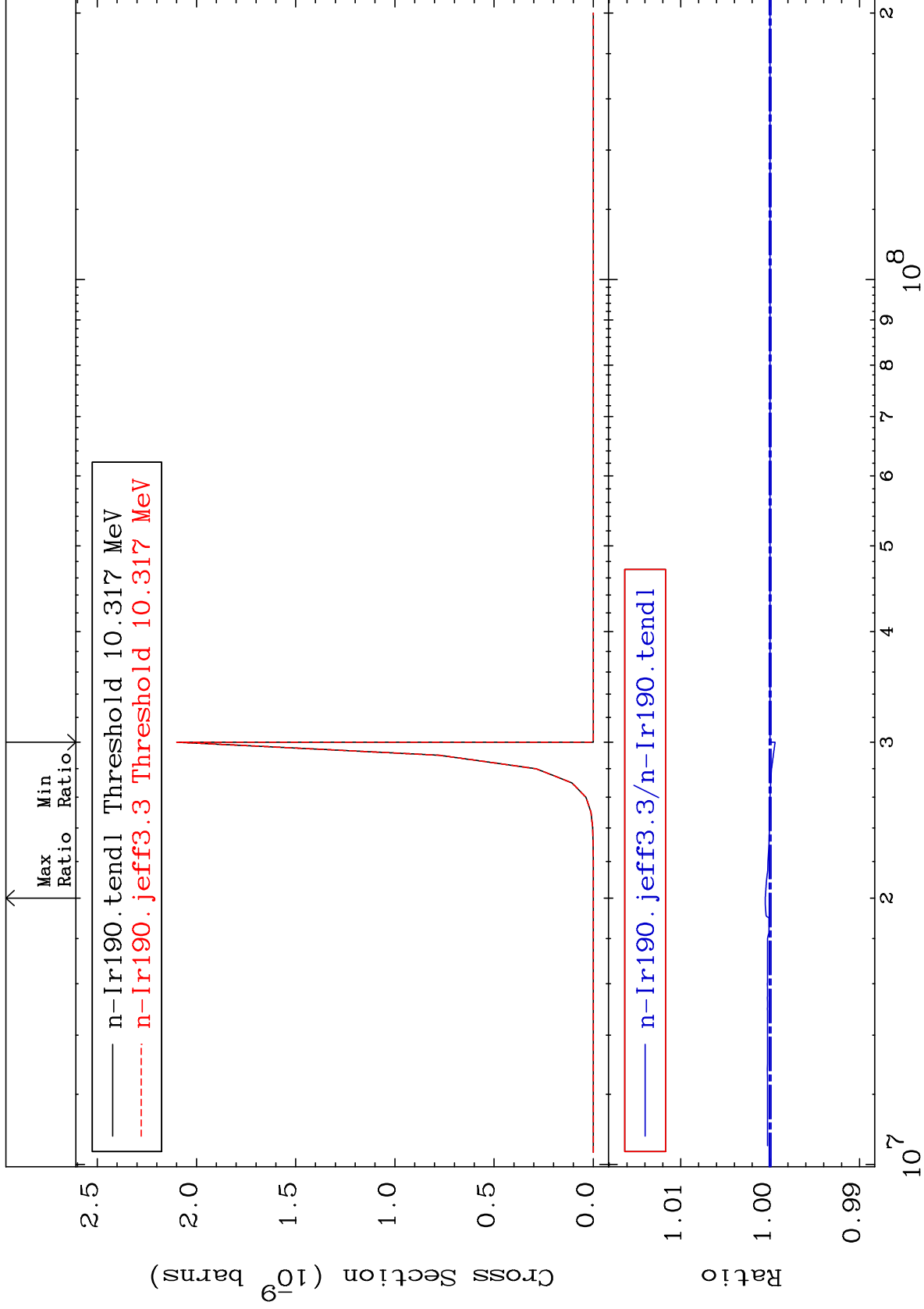


Incident Energy (eV)

77-Ir-190

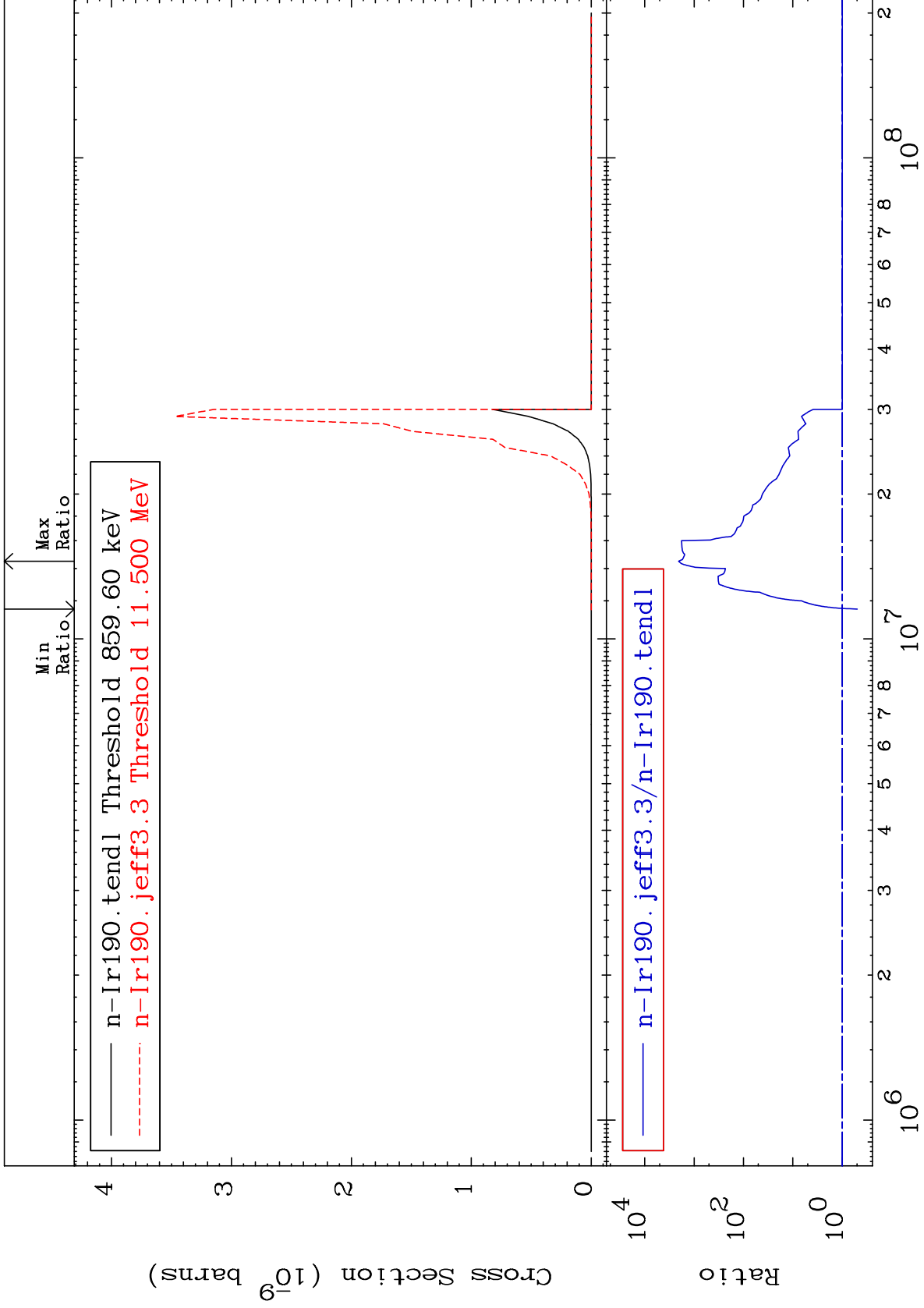
95

Radionuclide Production Cross Section -0.056 To 0.055 %



MAT 7722

(n, d) α : 74-W -185g 77-Ir-190
Radionuclide Production Cross Section -50.43 To 9999. %



Radionuclide Production Cross Section 0.000 To 9999. %

