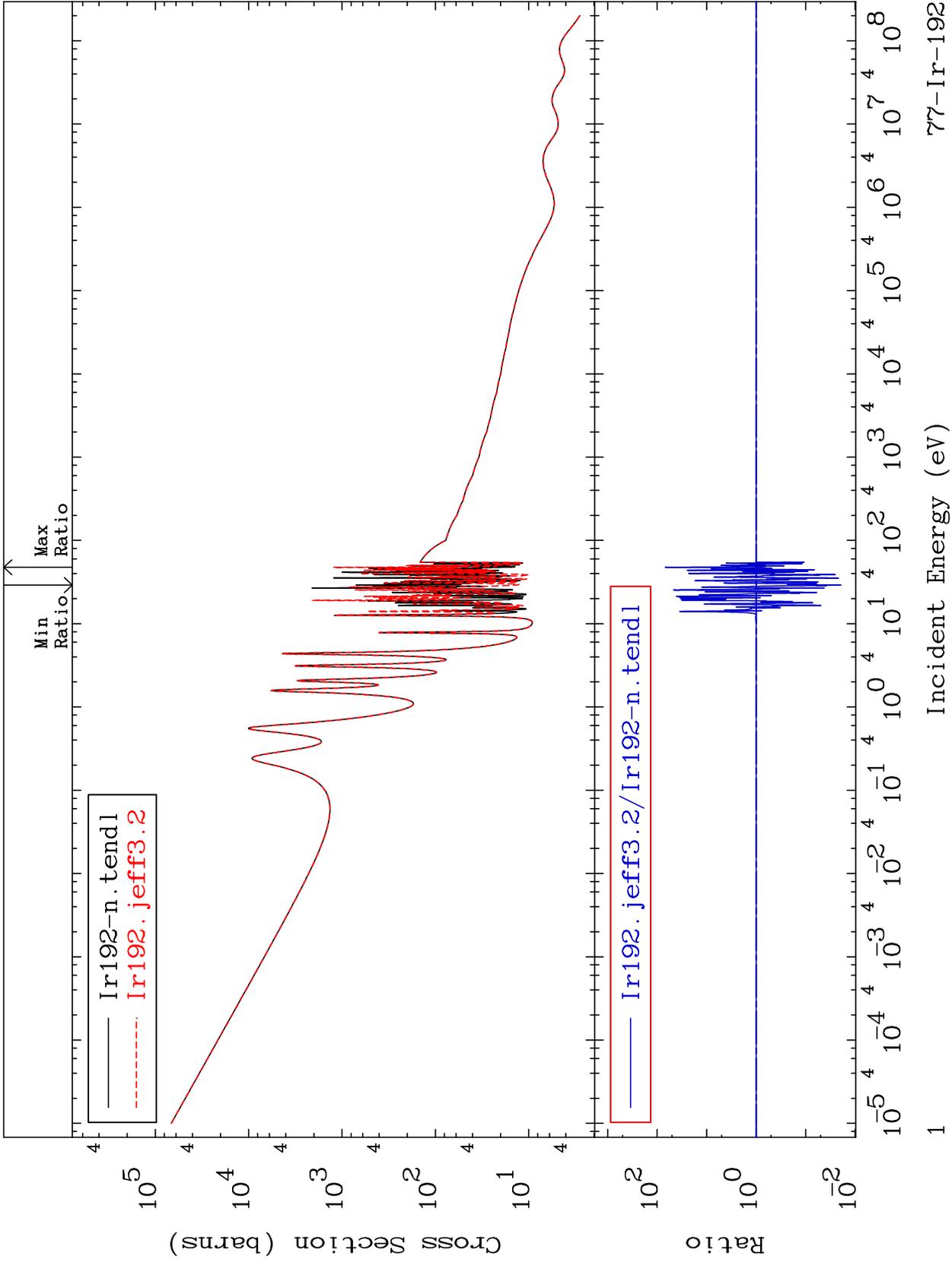


MAT 7728

Total
Cross Section

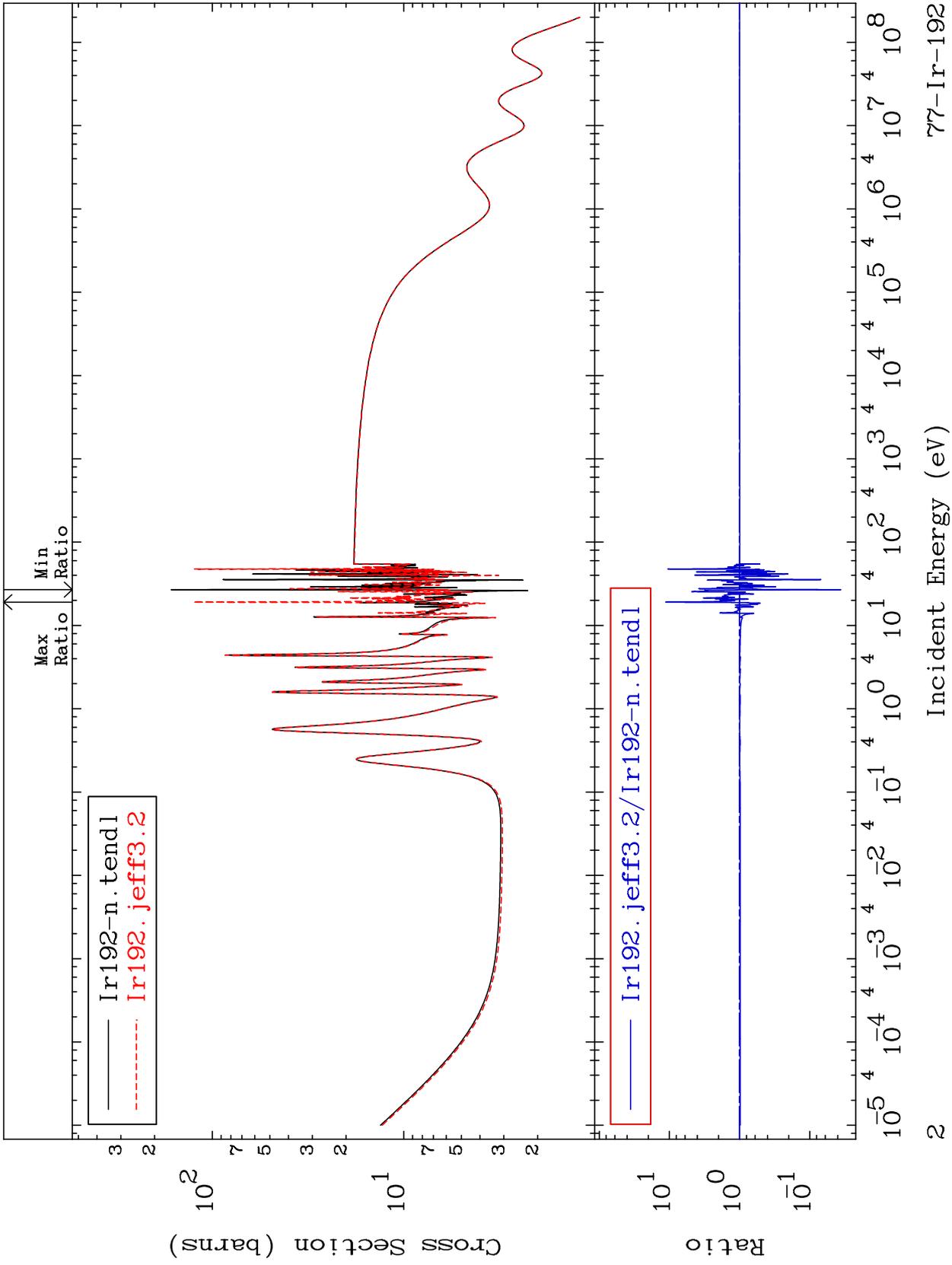
77-Ir-192
-98.05 To 6691. %



MAT 7728

Elastic
Cross Section

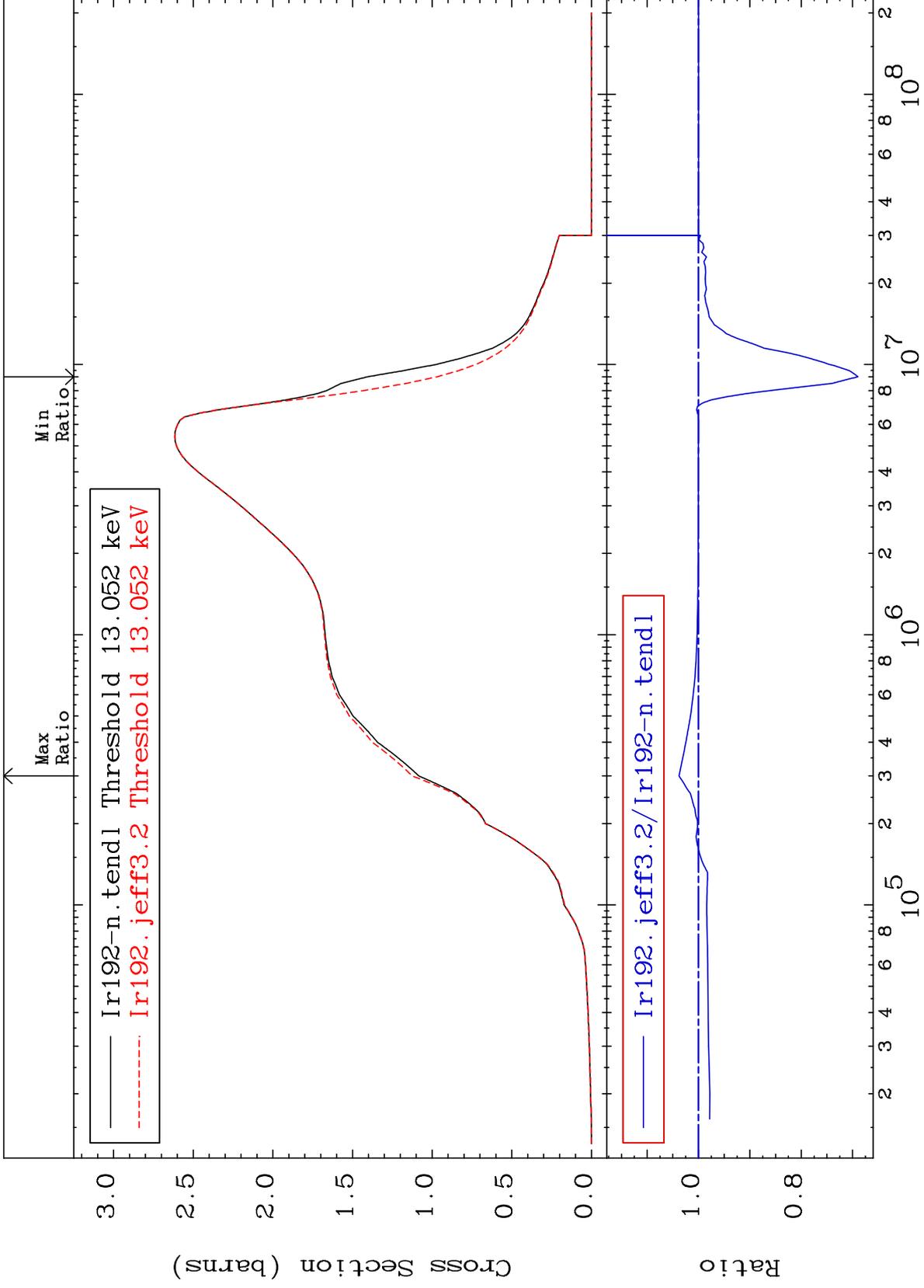
77-Ir-192
-96.39 To 1037. %



MAT 7728

Inelastic
Cross Section

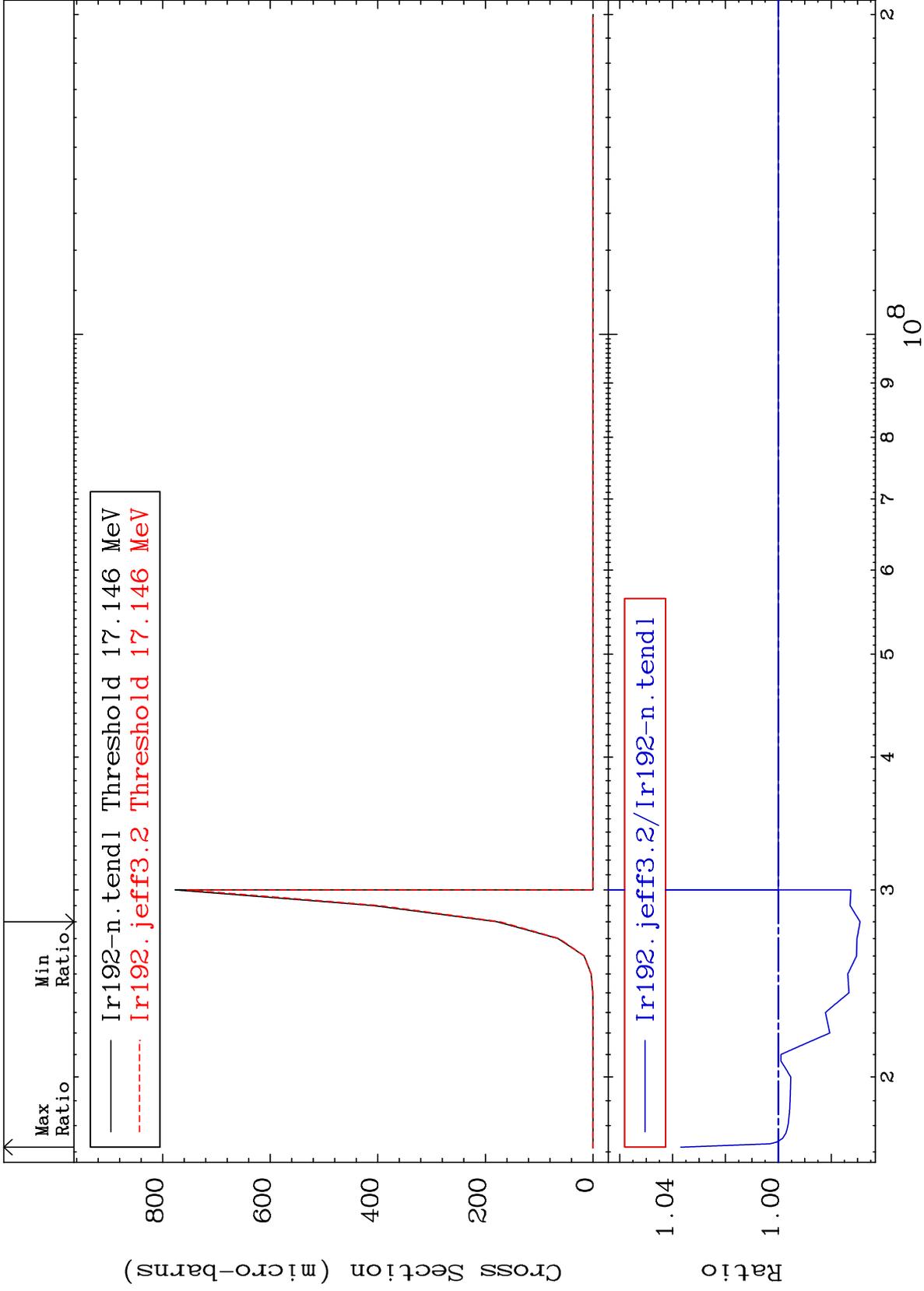
⁷⁷Ir-¹⁹²
-31.04 To 3.788 %



MAT 7728

(n,2n) d
Cross Section

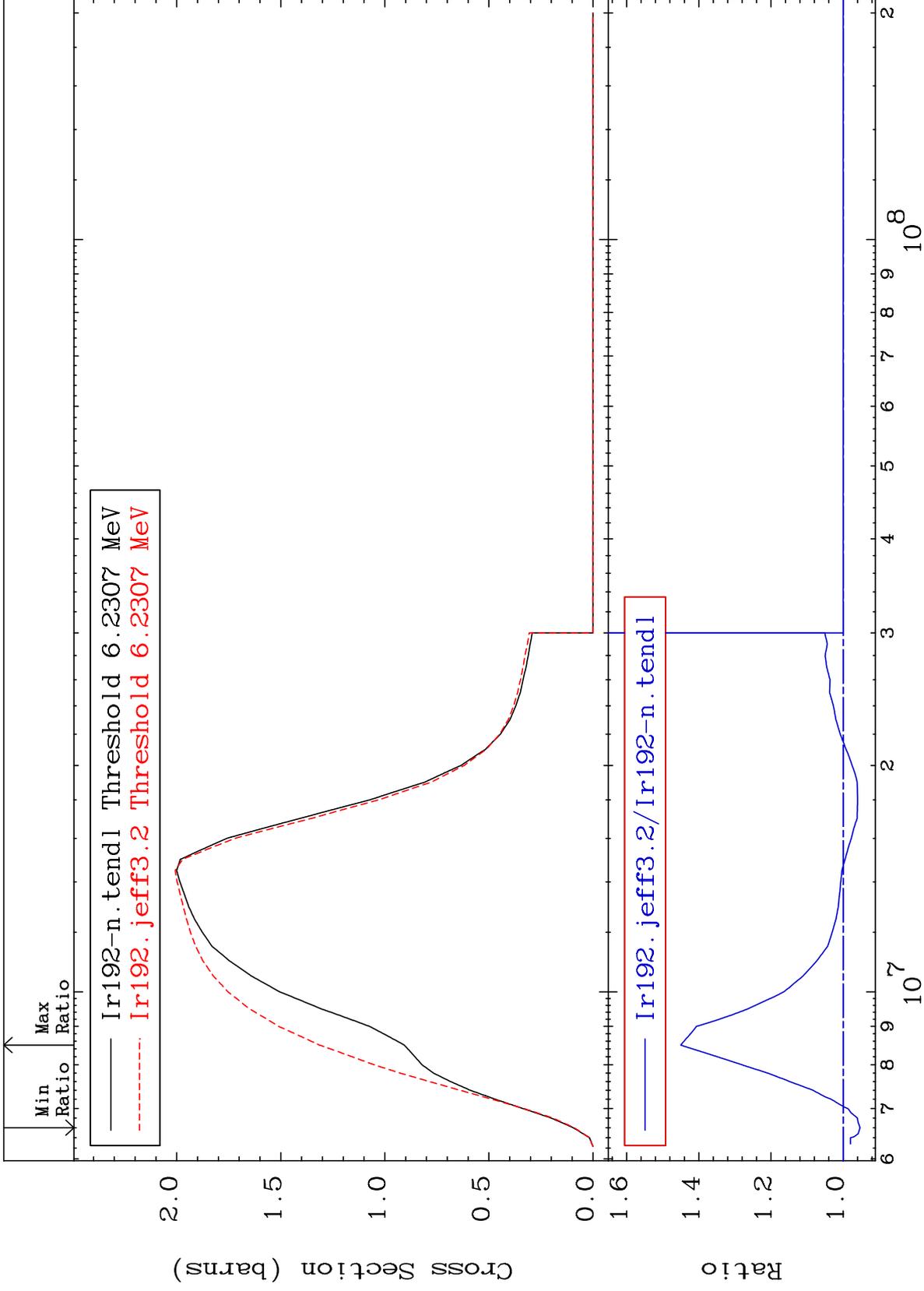
⁷⁷Ir-192
-3.095 To 3.692 %



MAT 7728

(n,2n)
Cross Section

77-Ir-192
-4.683 To 45.00 %



5

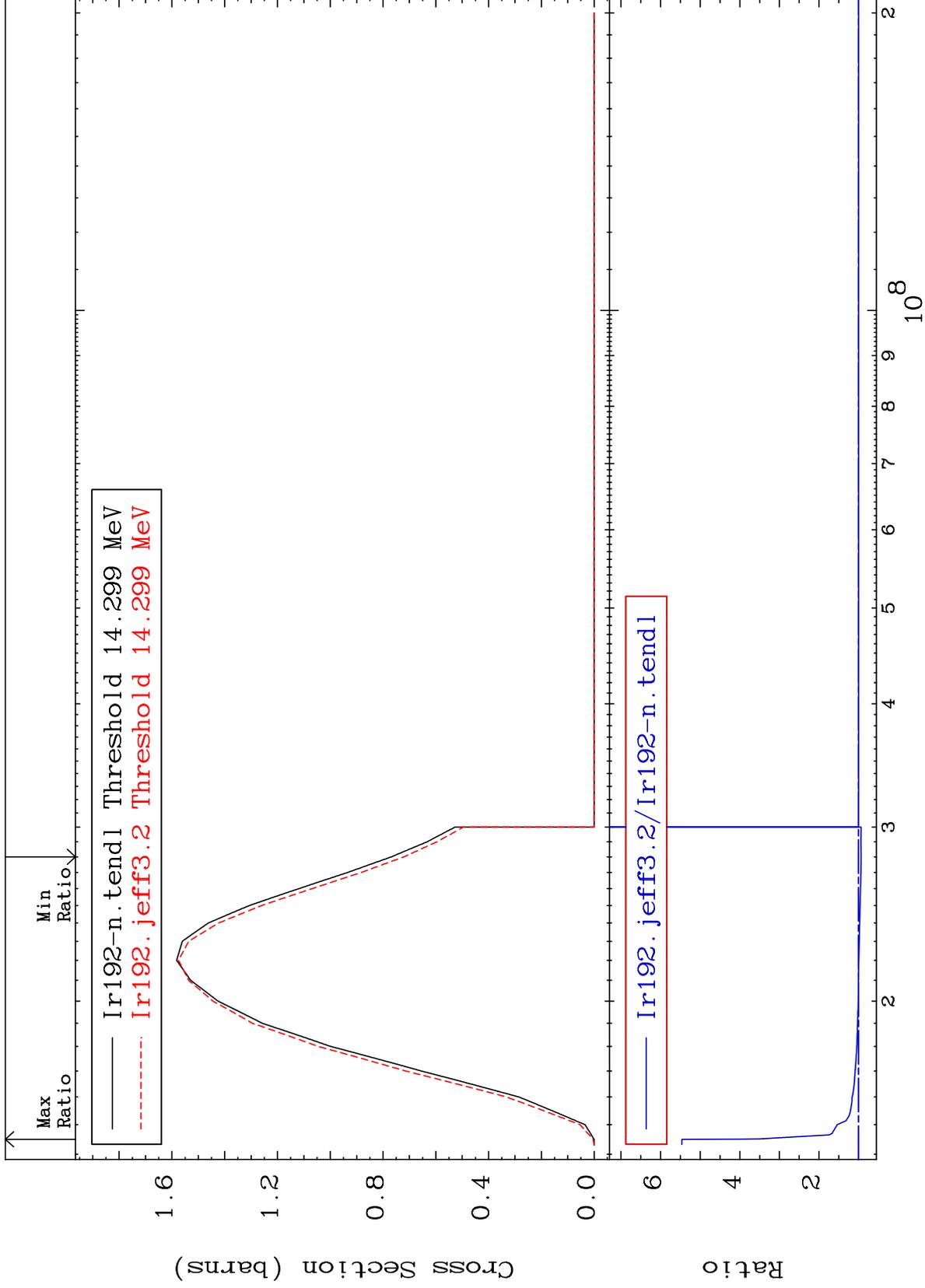
Incident Energy (eV)

77-Ir-192

MAT 7728

(n,3n)
Cross Section

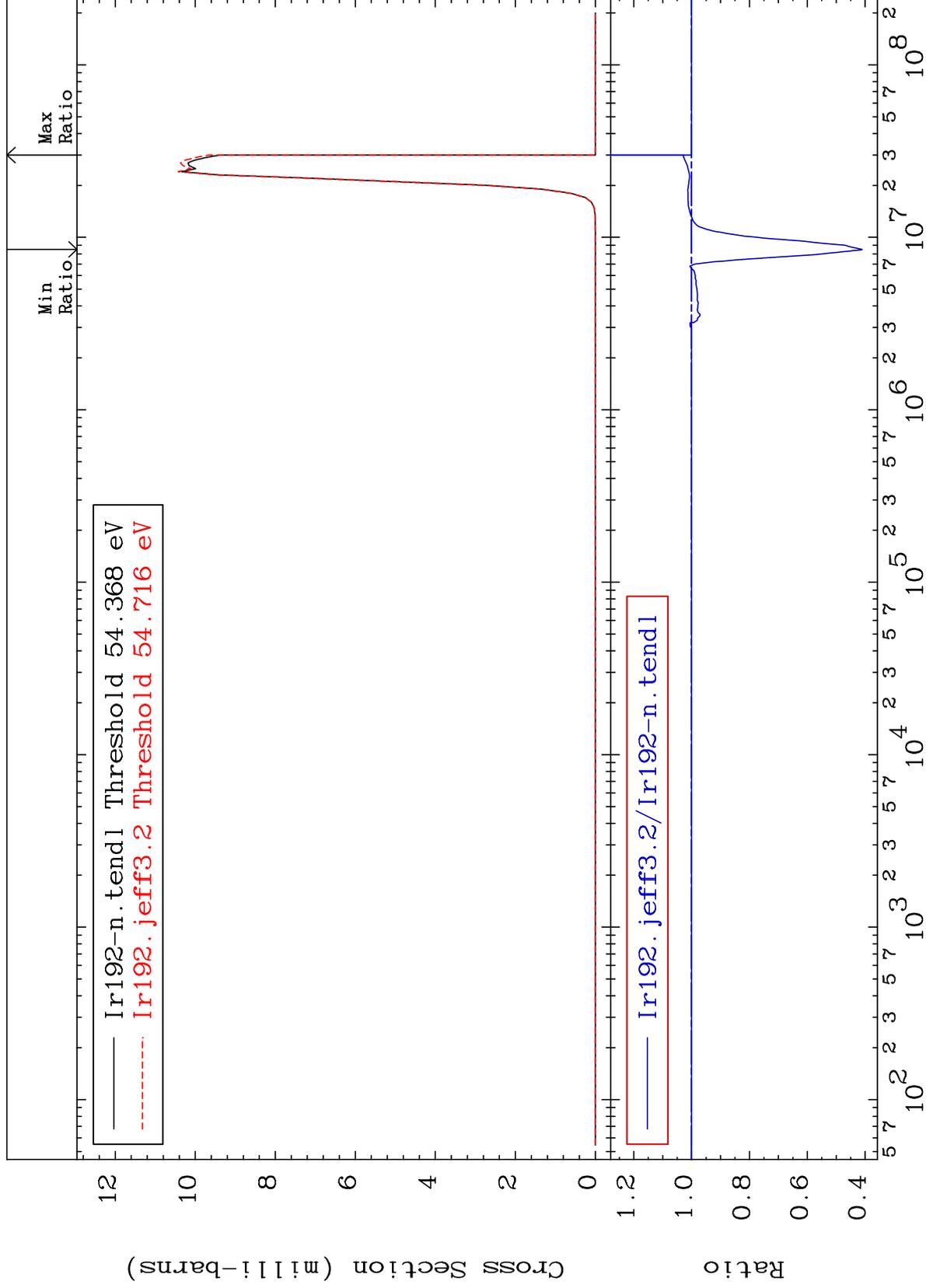
⁷⁷Ir-¹⁹²
-6.200 To 446.1 %



MAT 7728

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

77-Ir-192
-58.98 To 2.954 %



7

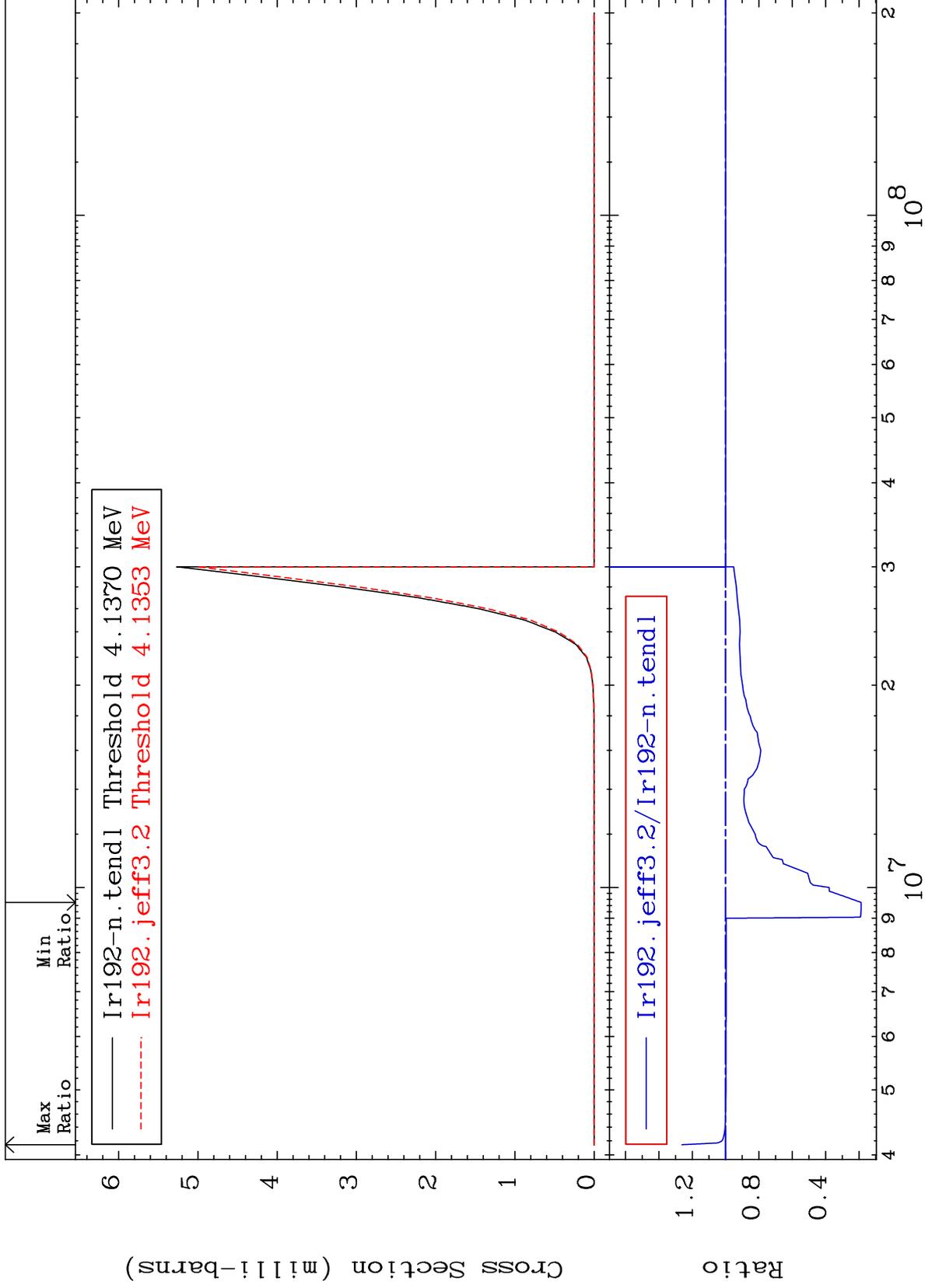
Incident Energy (eV)

77-Ir-192

MAT 7728

(n,2n) α
Cross Section

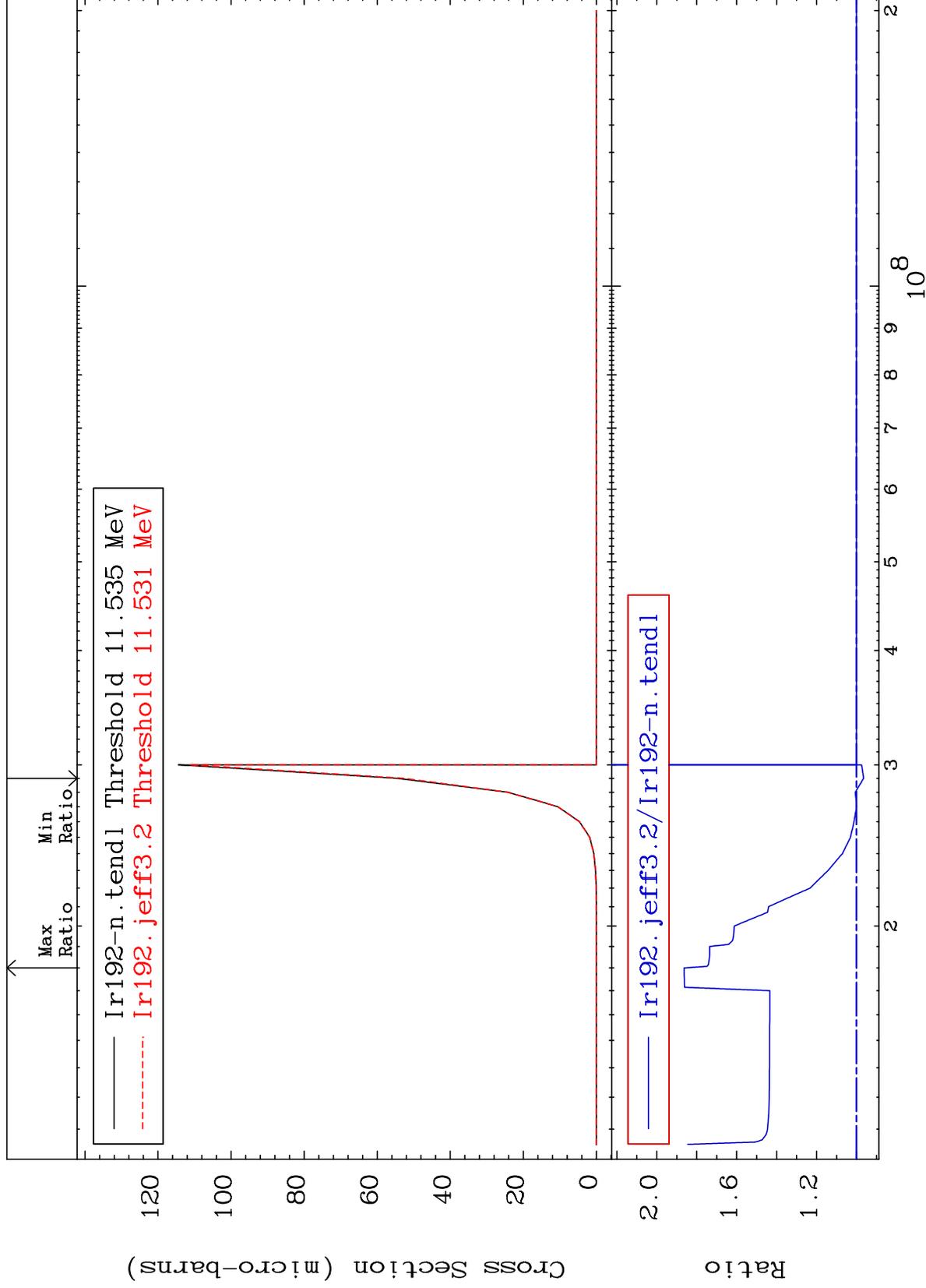
⁷⁷Ir-¹⁹²
-81.25 To 26.19 %



MAT 7728

(n,3n) α
Cross Section

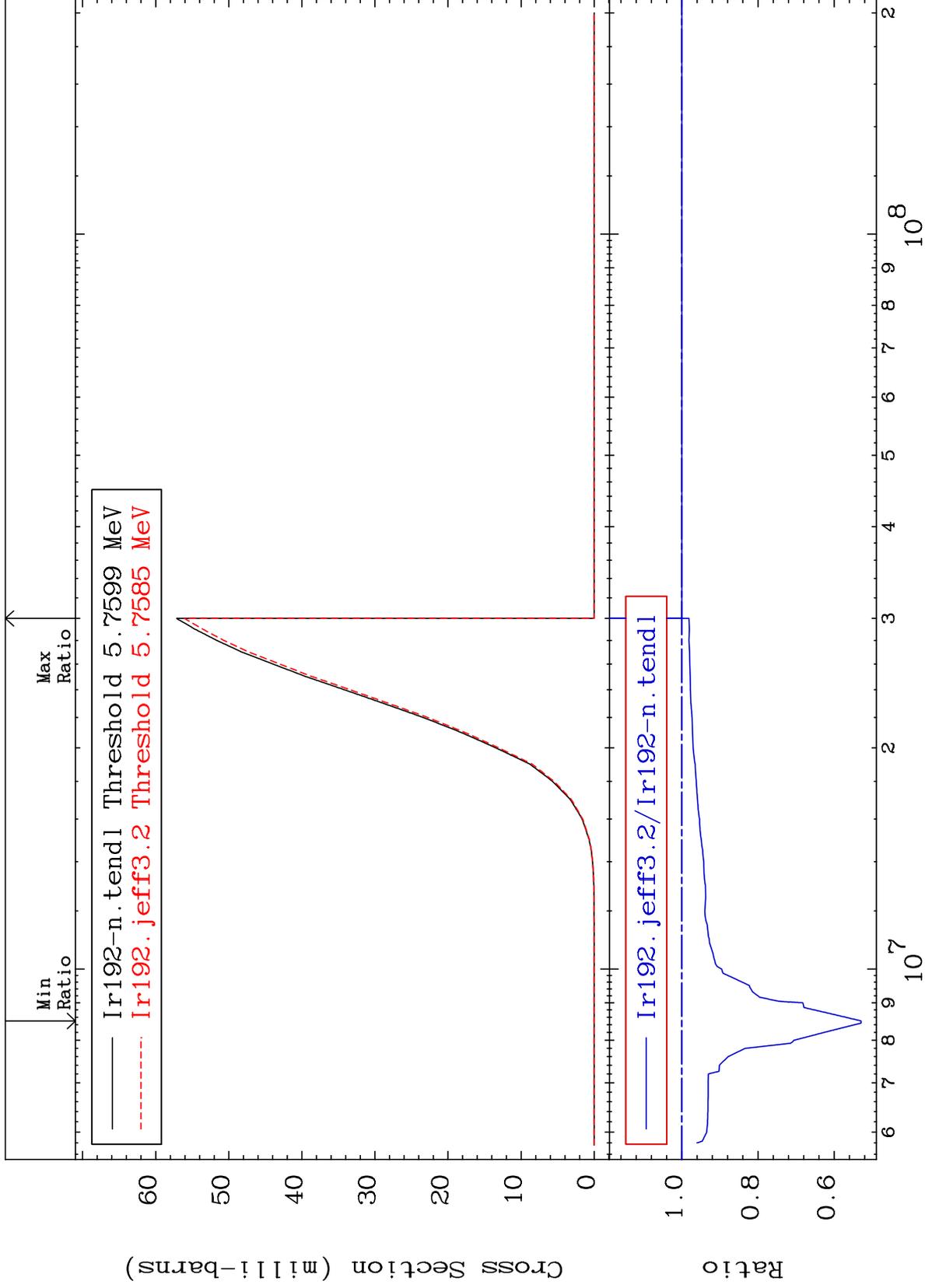
77-Ir-192
-3.544 To 86.28 %



MAT 7728

(n, n') p
Cross Section

⁷⁷Ir-¹⁹²
-47.09 To 0.000 %



10

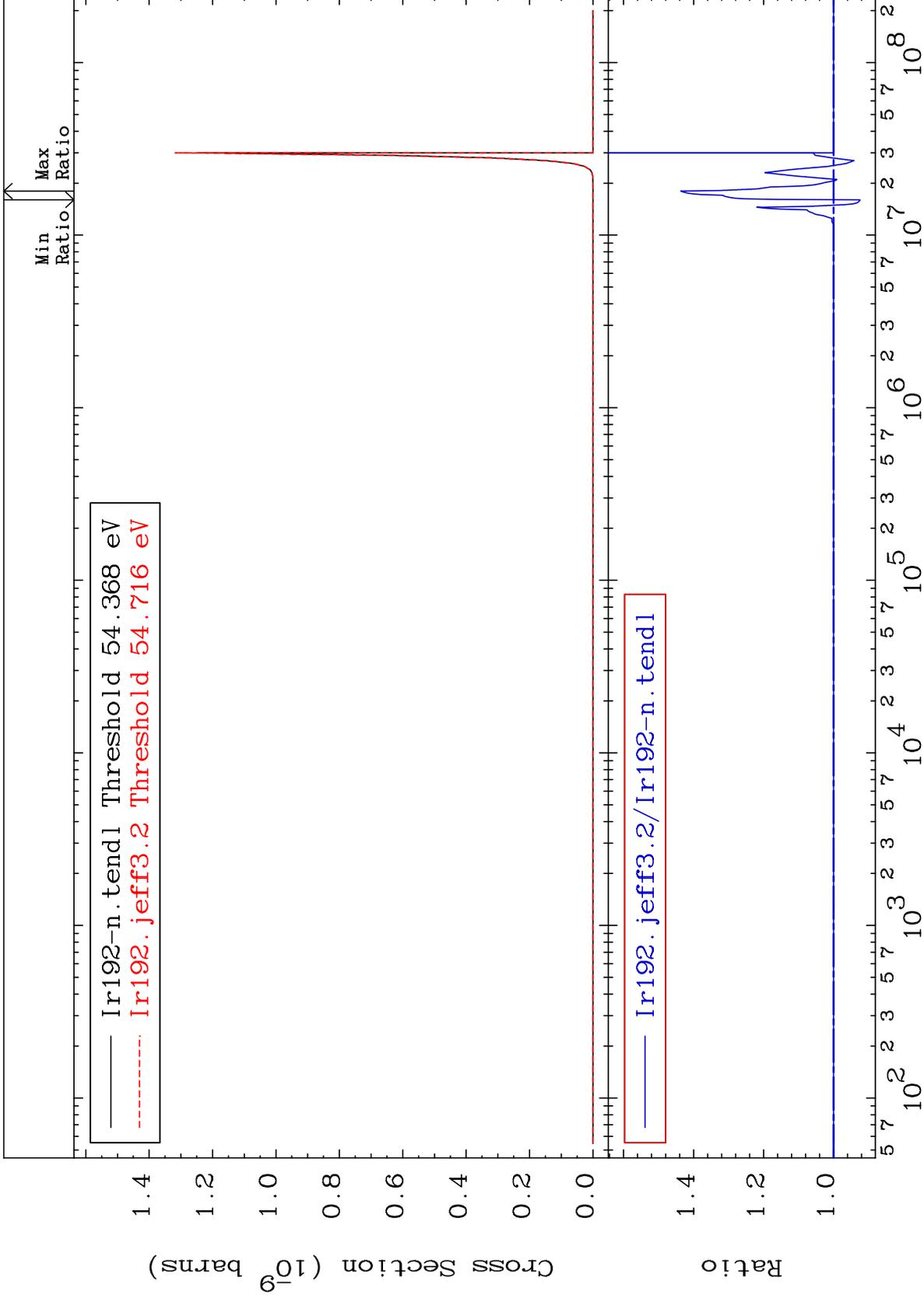
Incident Energy (eV)

⁷⁷Ir-¹⁹²

MAT 7728

(n, n') 2α
Cross Section

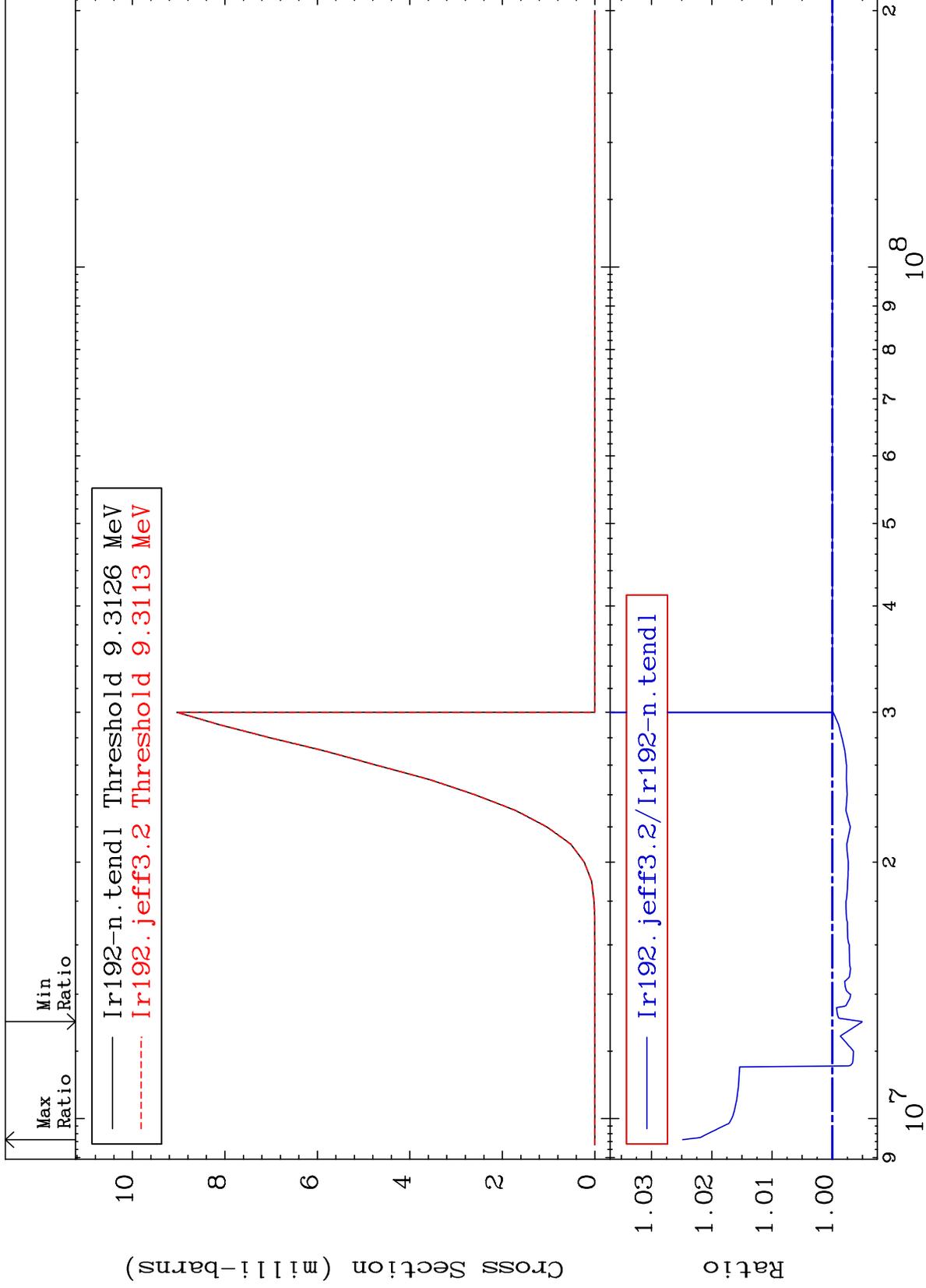
77-Ir-192
-7.582 To 43.66 %



MAT 7728

(n, n') d
Cross Section

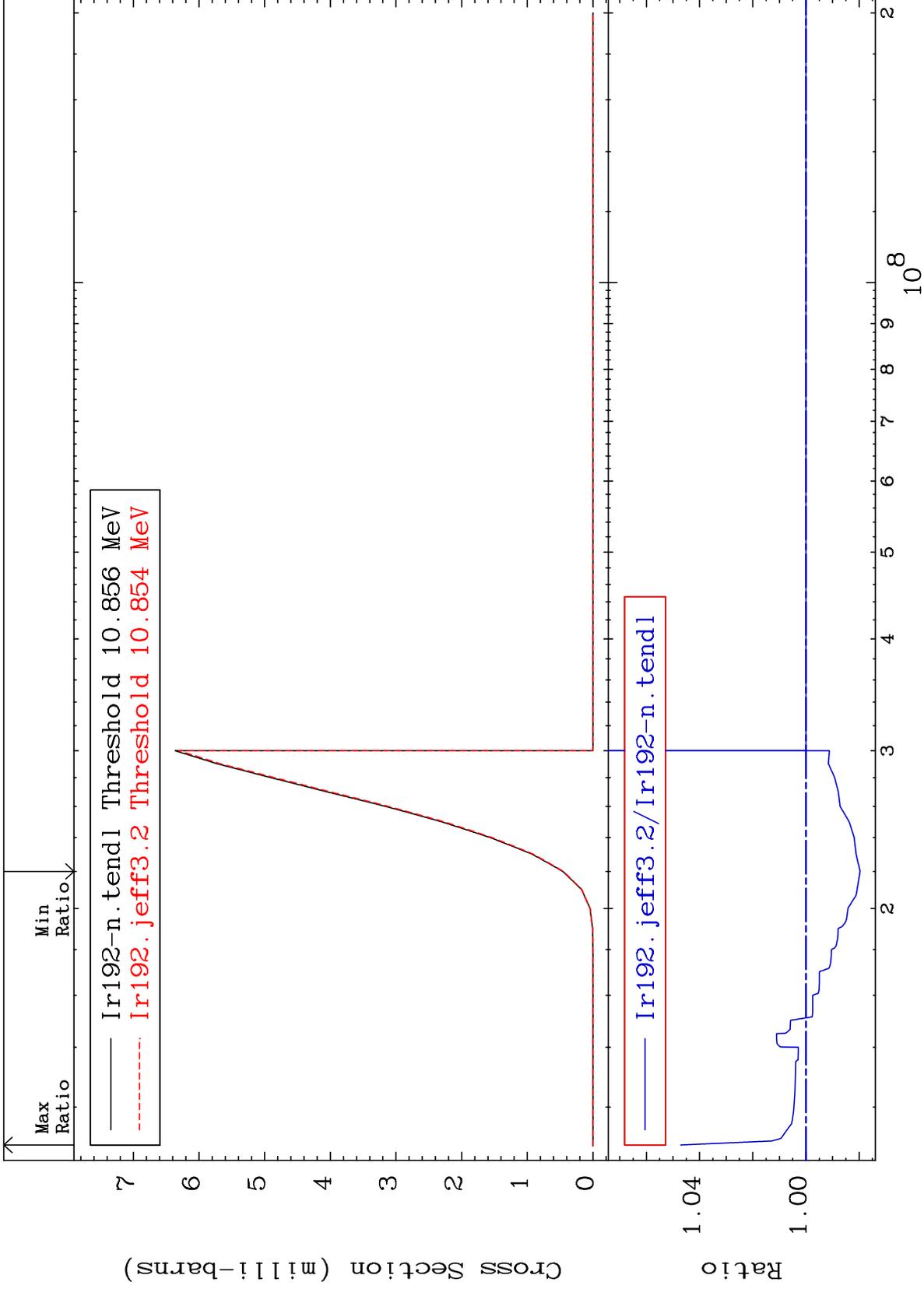
⁷⁷Ir-¹⁹²
-0.494 To 2.484 %



⁷⁷Ir-¹⁹²

Incident Energy (eV)

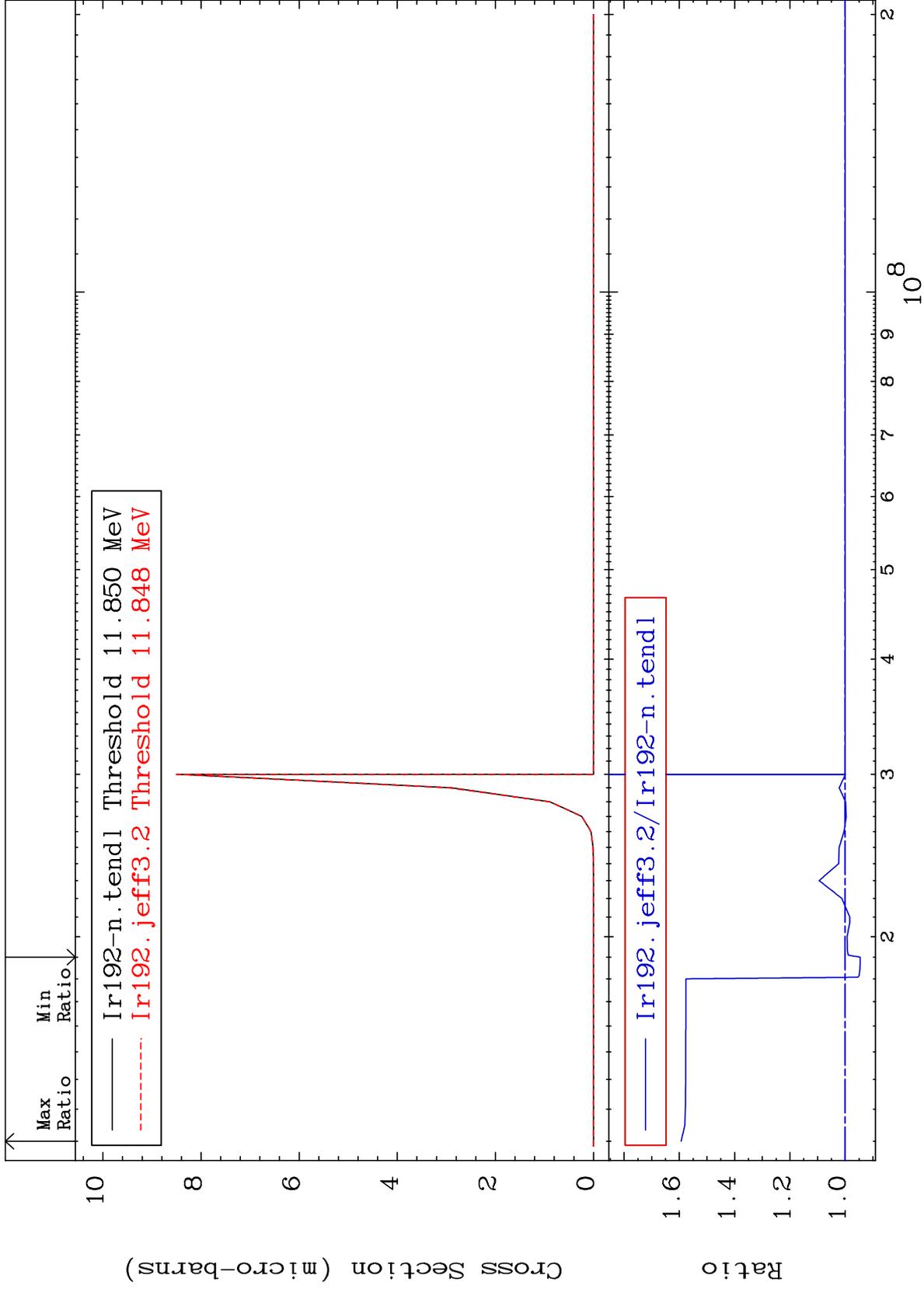
12



MAT 7728

(n, n') He-3
Cross Section

77-Ir-192
-5.415 To 59.34 %



MAT 7728

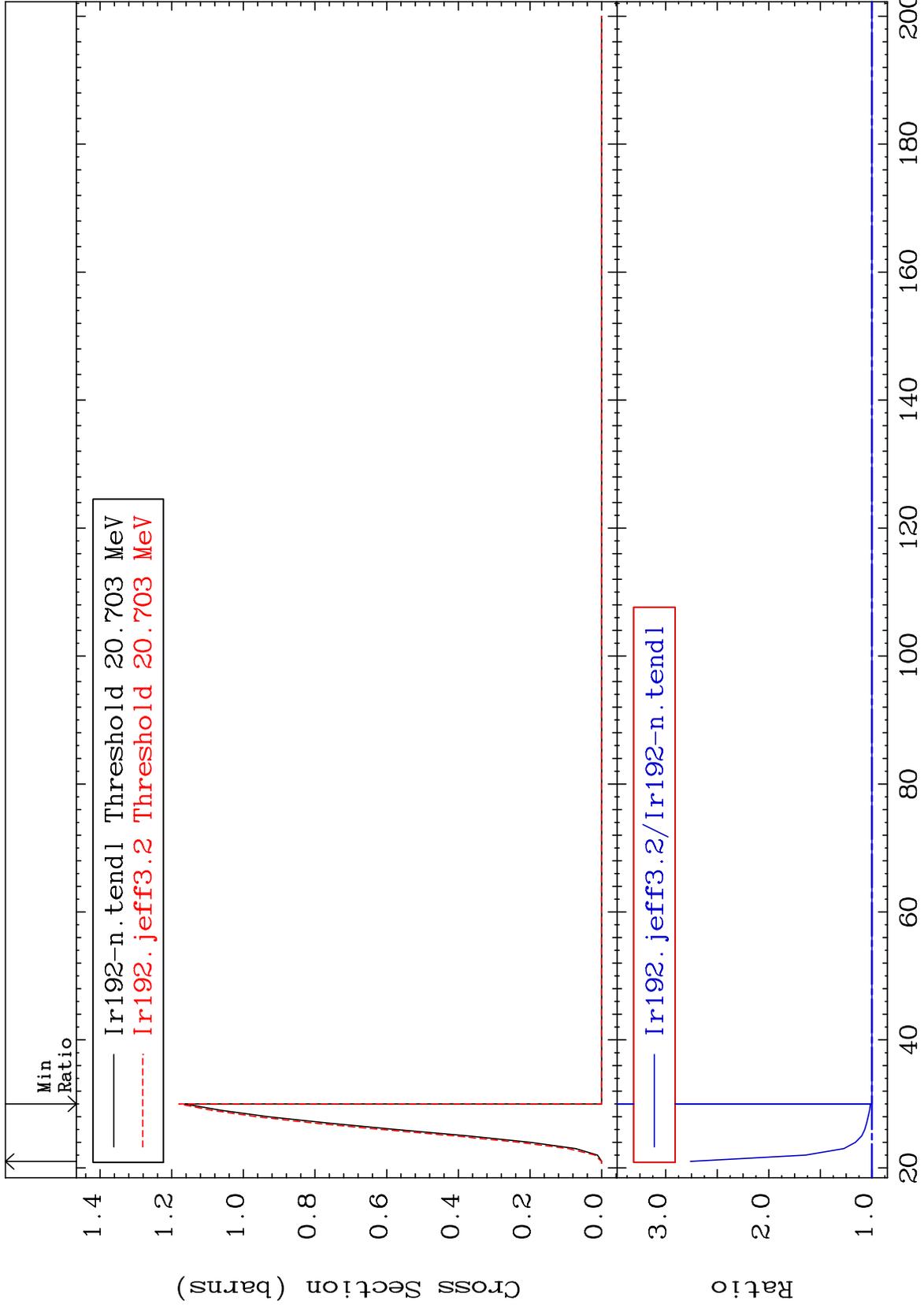
(n,4n)

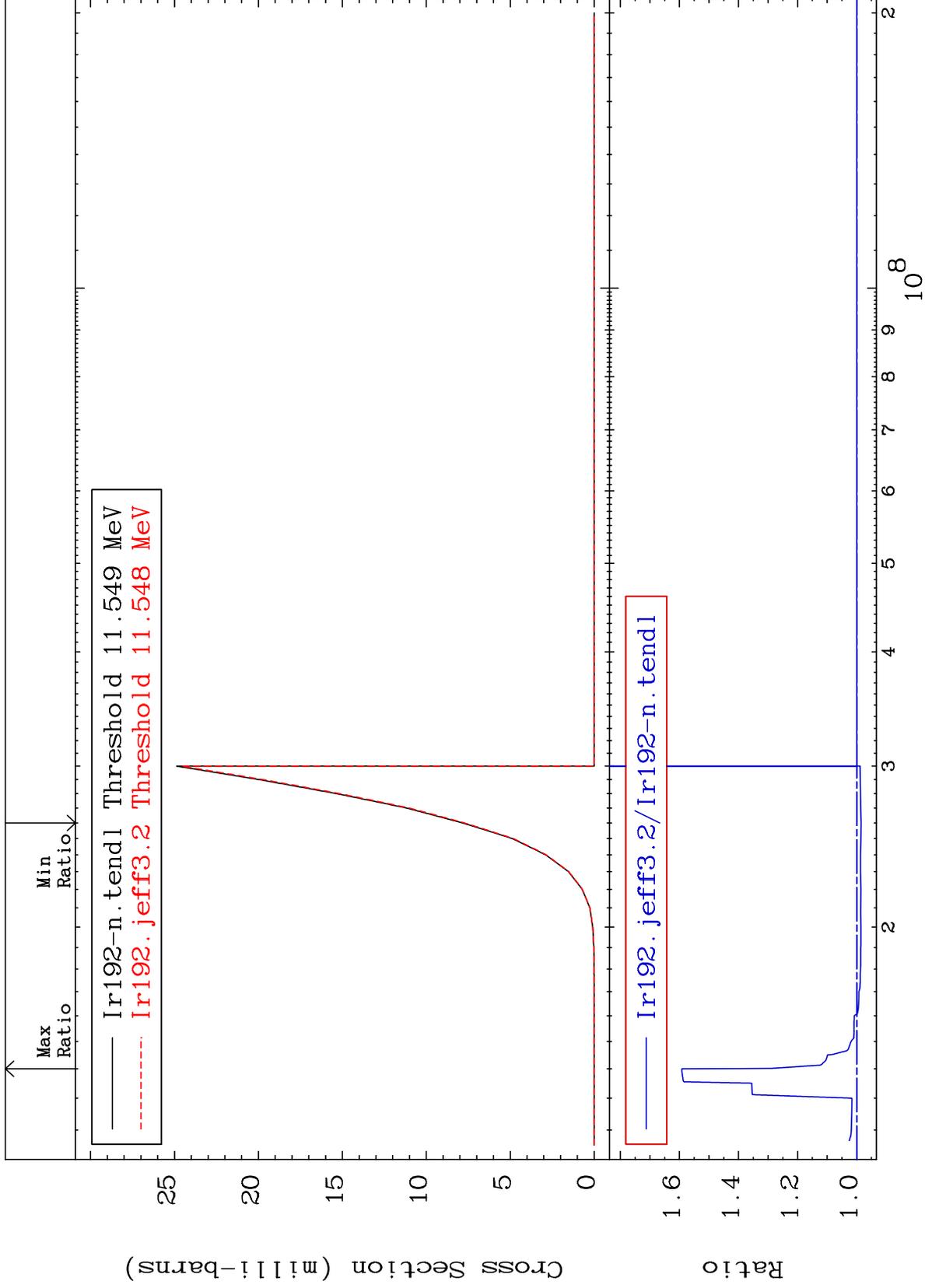
⁷⁷Ir-¹⁹²

Cross Section

0.000

To 175.9 %

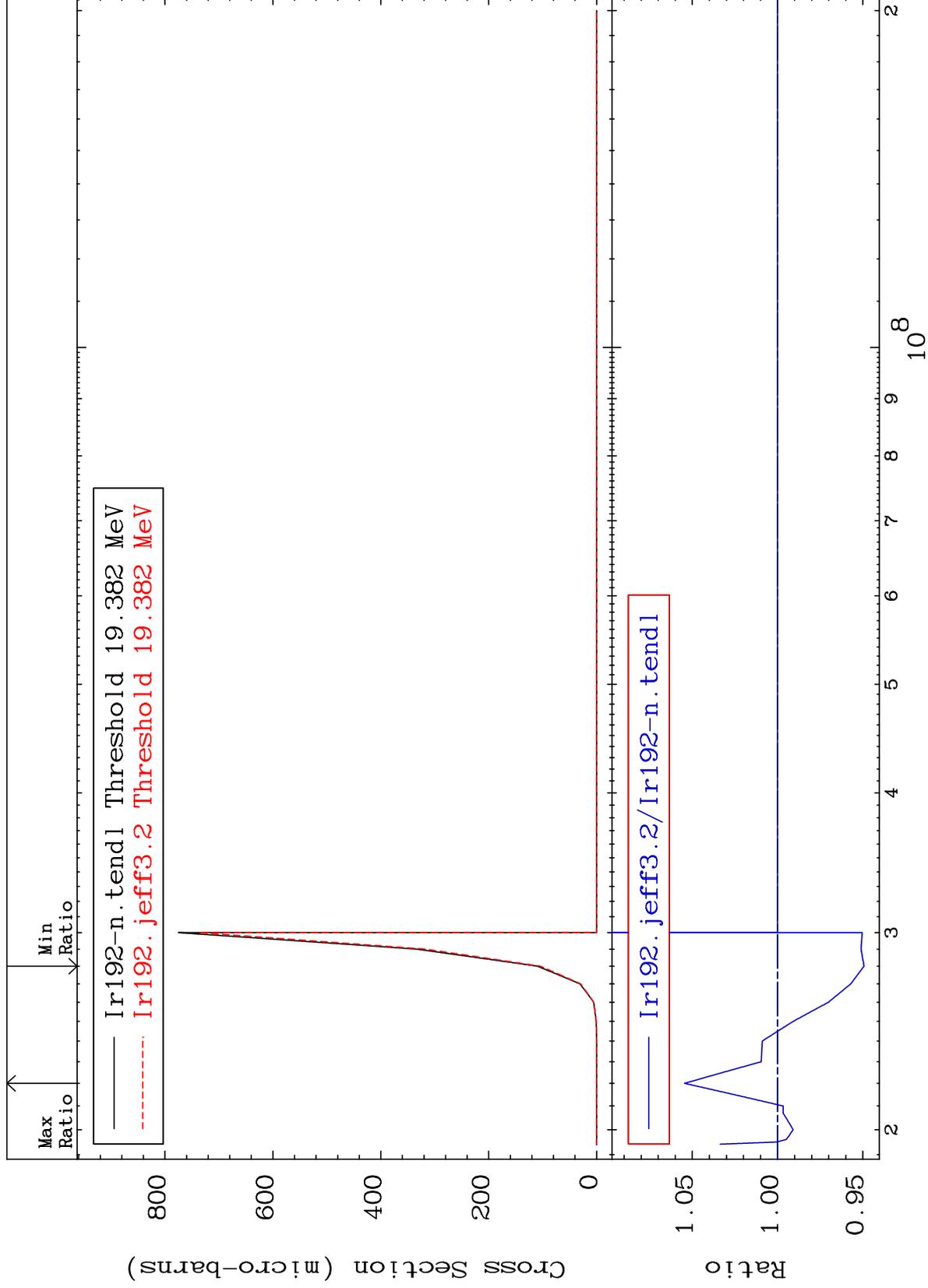


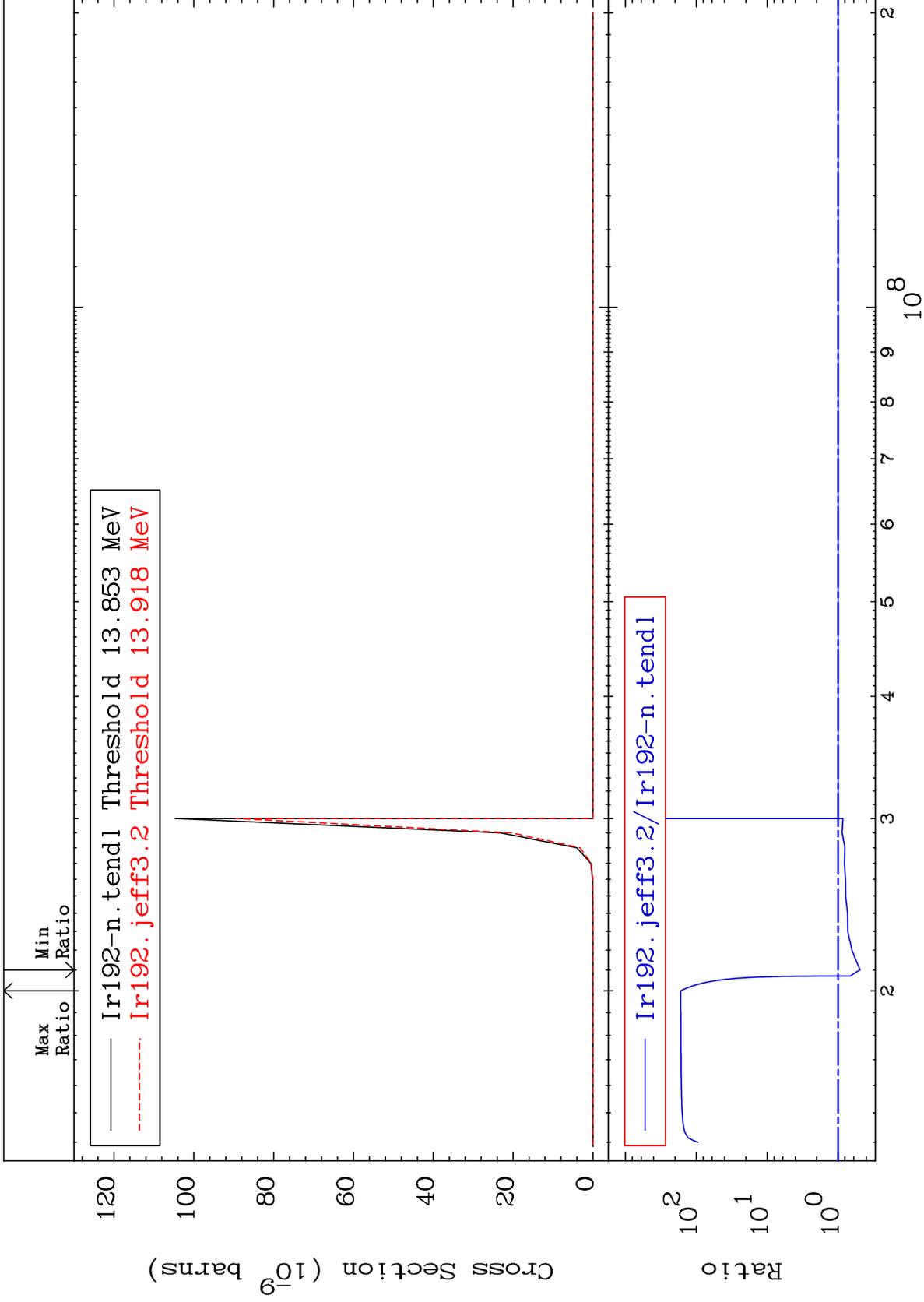


MAT 7728

(n,3n) p
Cross Section

⁷⁷Ir-¹⁹²
-5.069 To 5.456 %

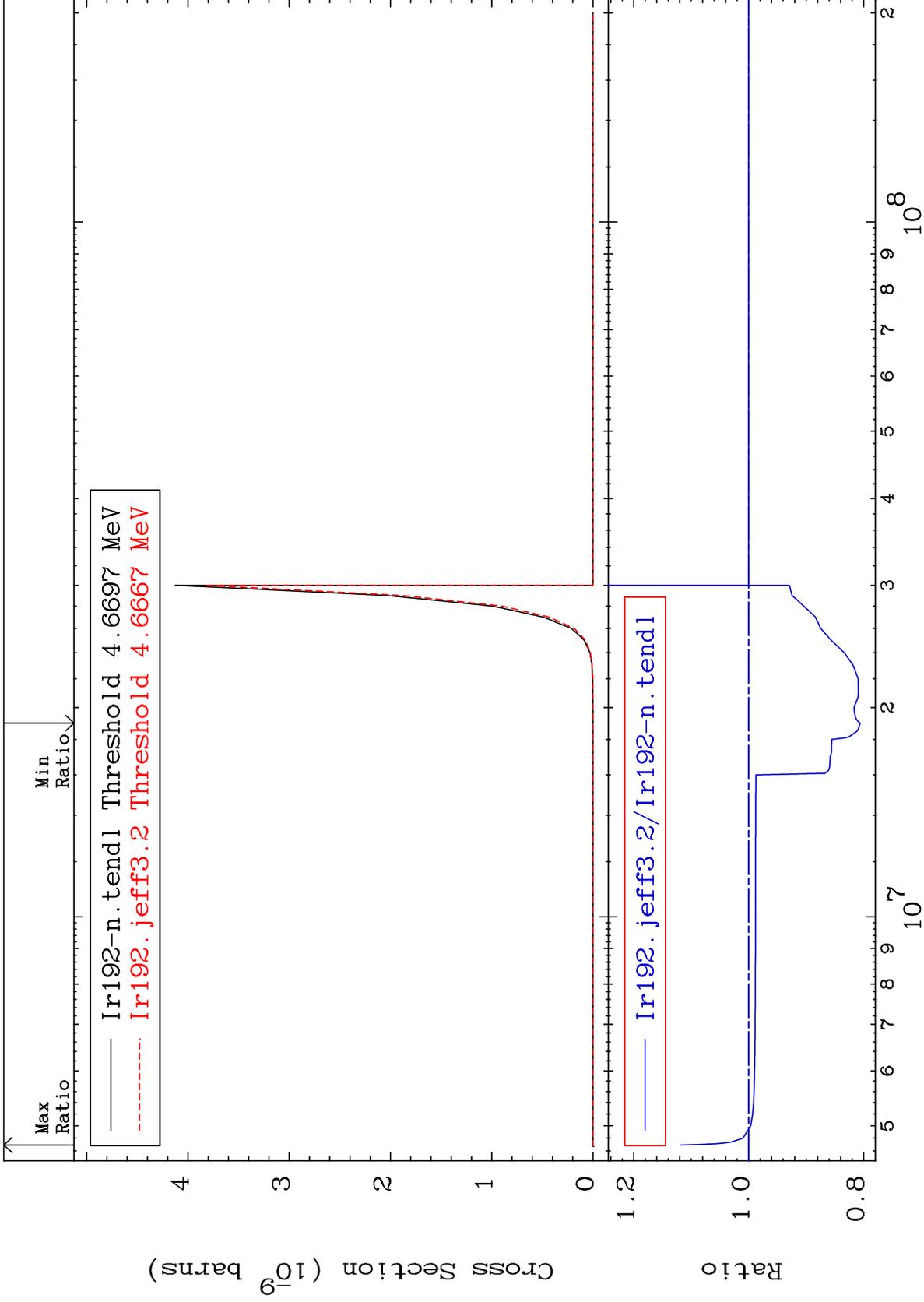




MAT 7728

(n,n') p α
Cross Section

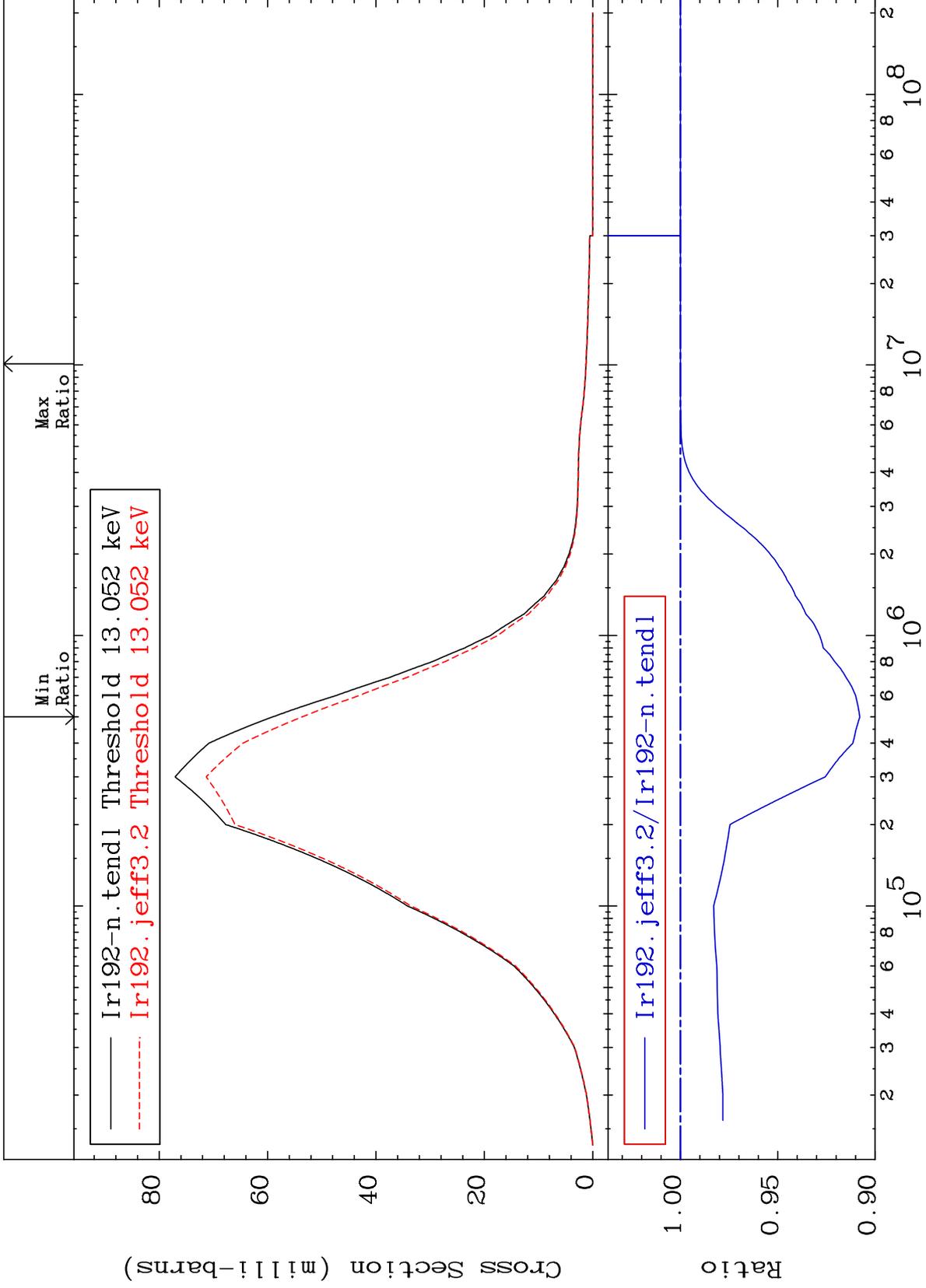
⁷⁷Ir-¹⁹²Ir
-19.39 To 11.81 %



MAT 7728

12.98 keV (n,n') Level
Cross Section

77-Ir-192
-9.218 To 0.000 %

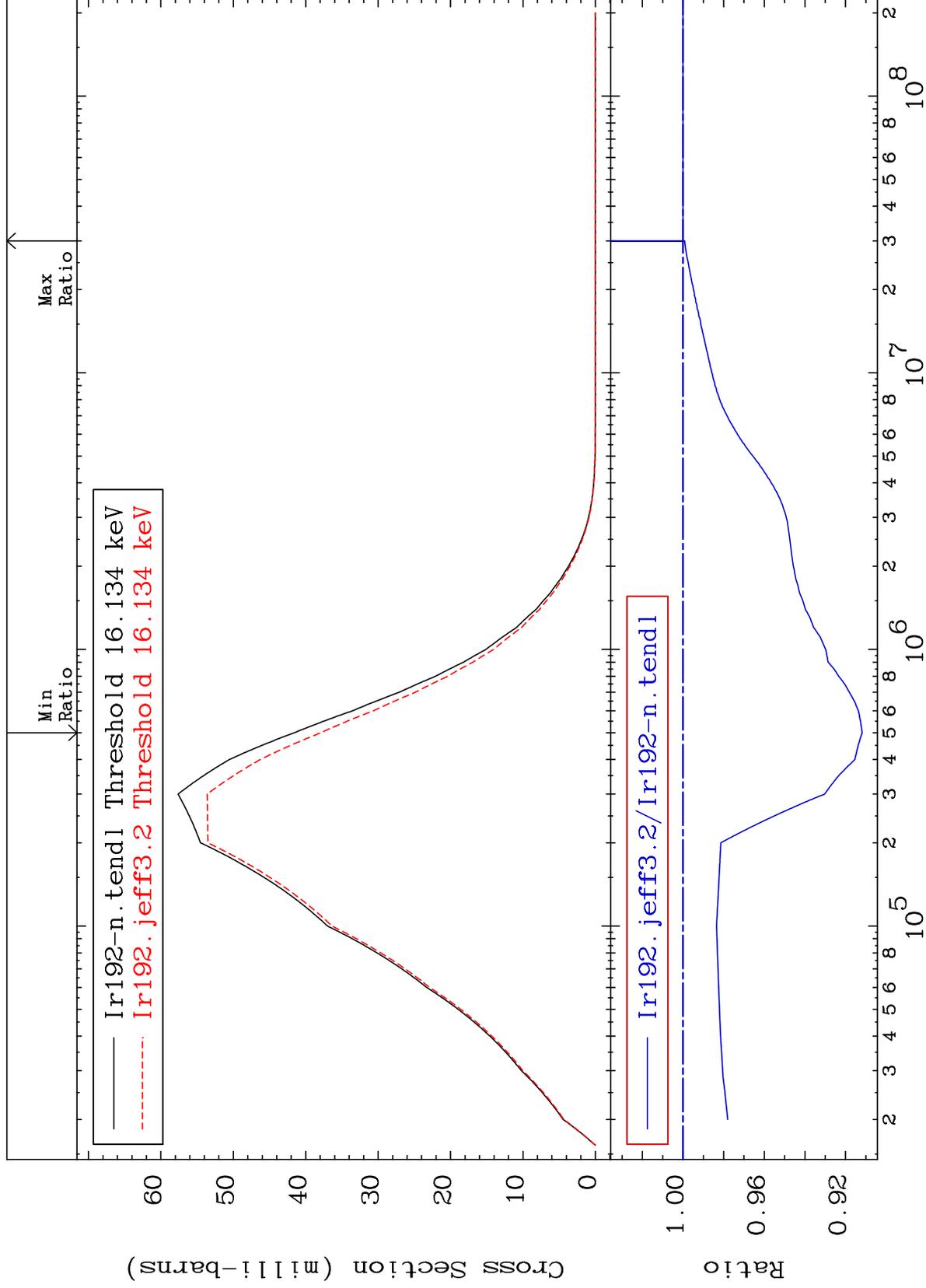


MAT 7728

16.05 keV (n,n') Level

⁷⁷Ir-¹⁹²

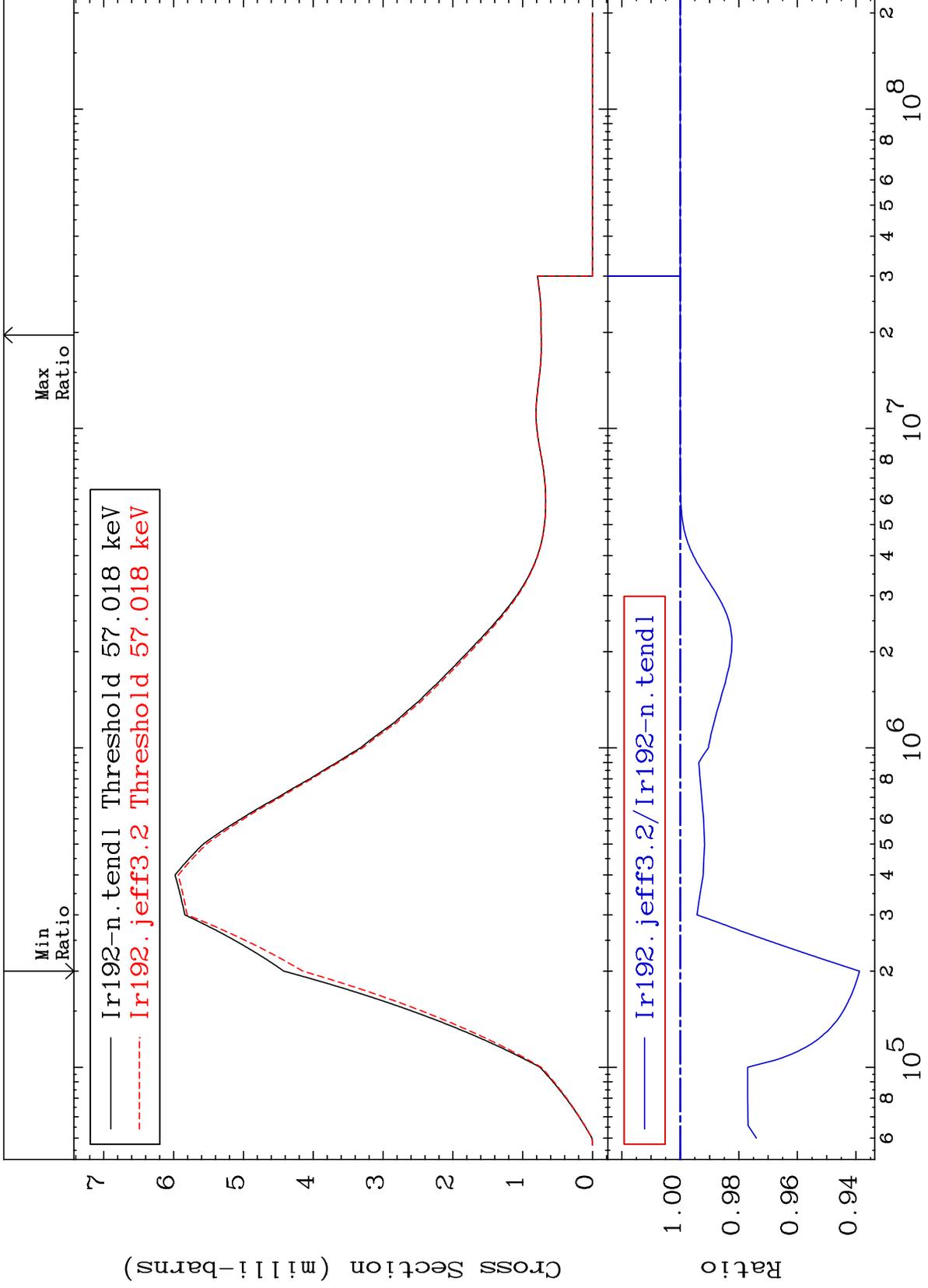
Cross Section
-8.819 To 0.000 %



MAT 7728

56.72 keV (n,n') Level
Cross Section

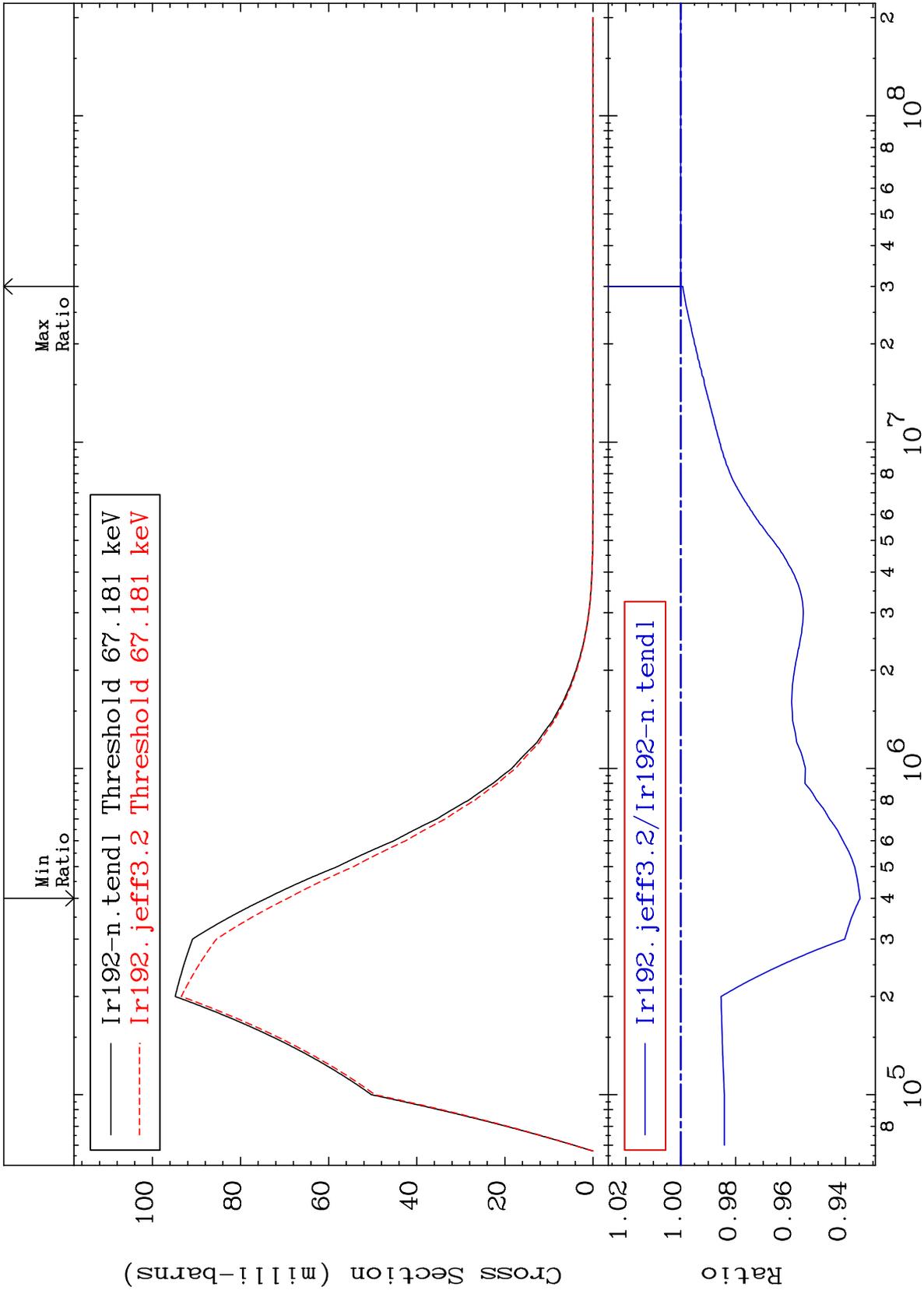
77-Ir-192
-6.120 To 0.000 %



MAT 7728

66.83 keV (n,n') Level
Cross Section

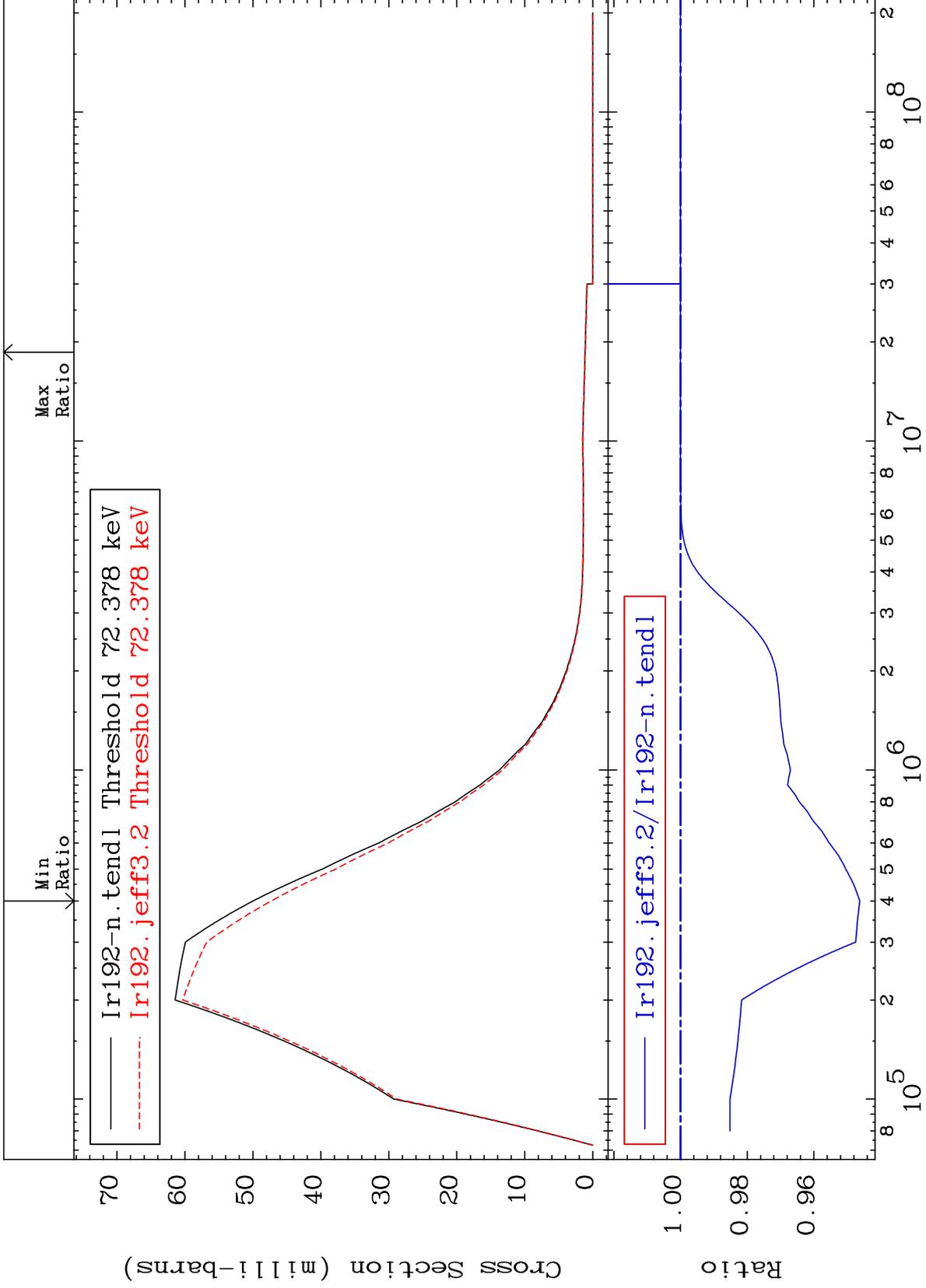
77-Ir-192
-6.531 To 0.000 %



MAT 7728

72.00 keV (n,n') Level
Cross Section

77-Ir-192
-5.377 To 0.000 %

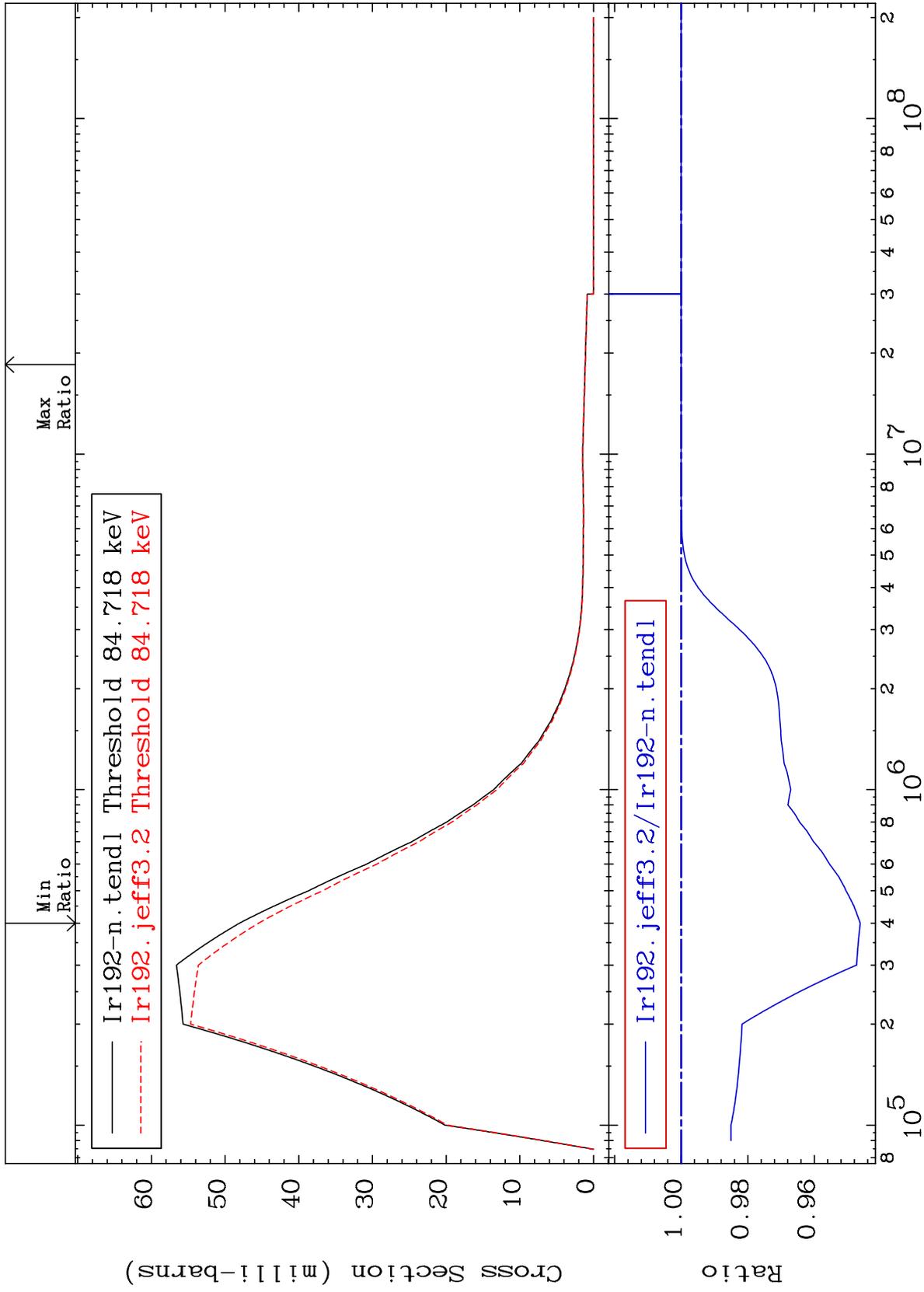


MAT 7728

84.28 keV (n,n') Level

77-Ir-192

-5.376 To 0.000 %



25

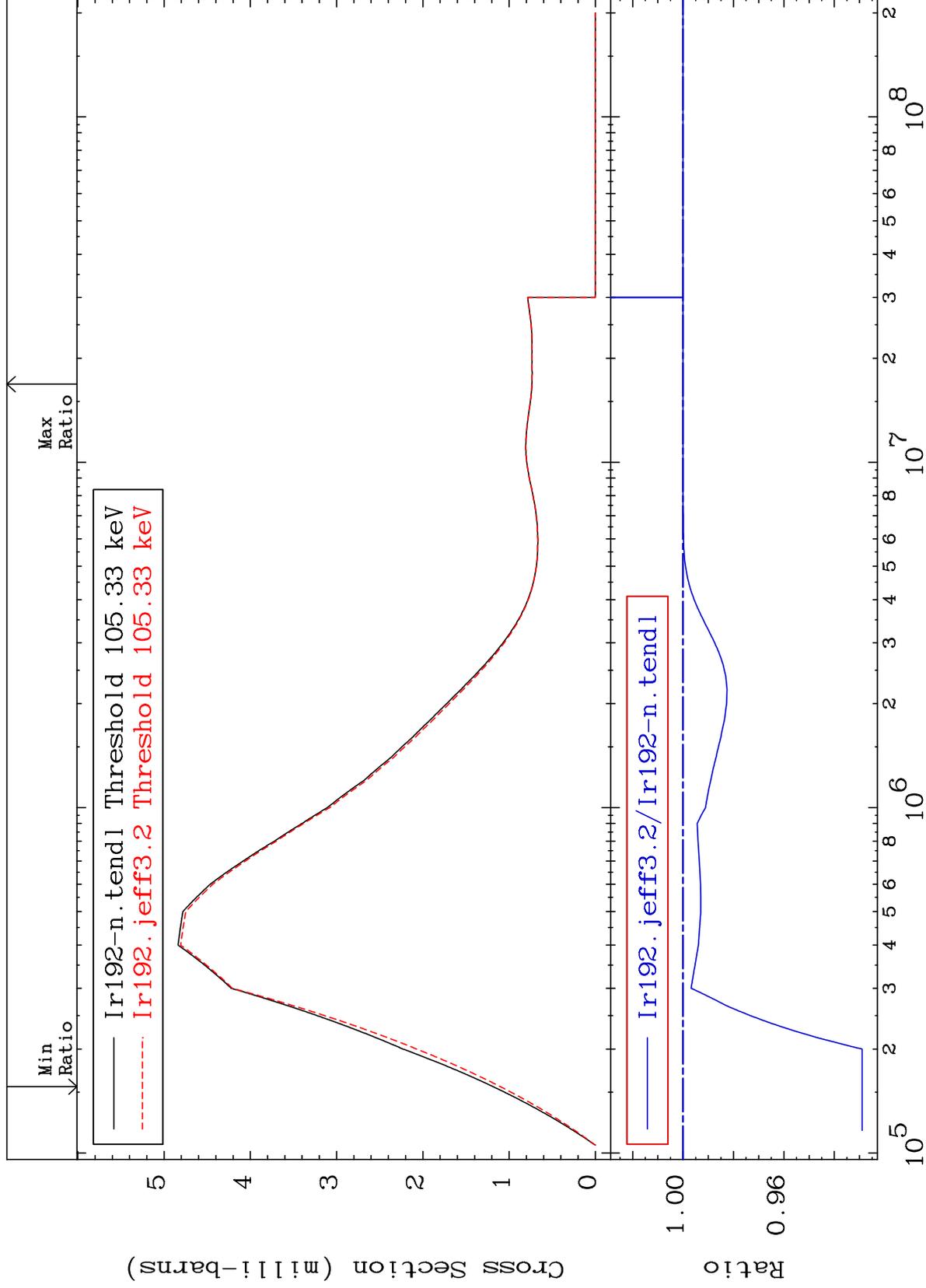
Incident Energy (eV)

77-Ir-192

MAT 7728

104.8 keV (n,n') Level
Cross Section

77-Ir-192
-7.106 To 0.000 %



26

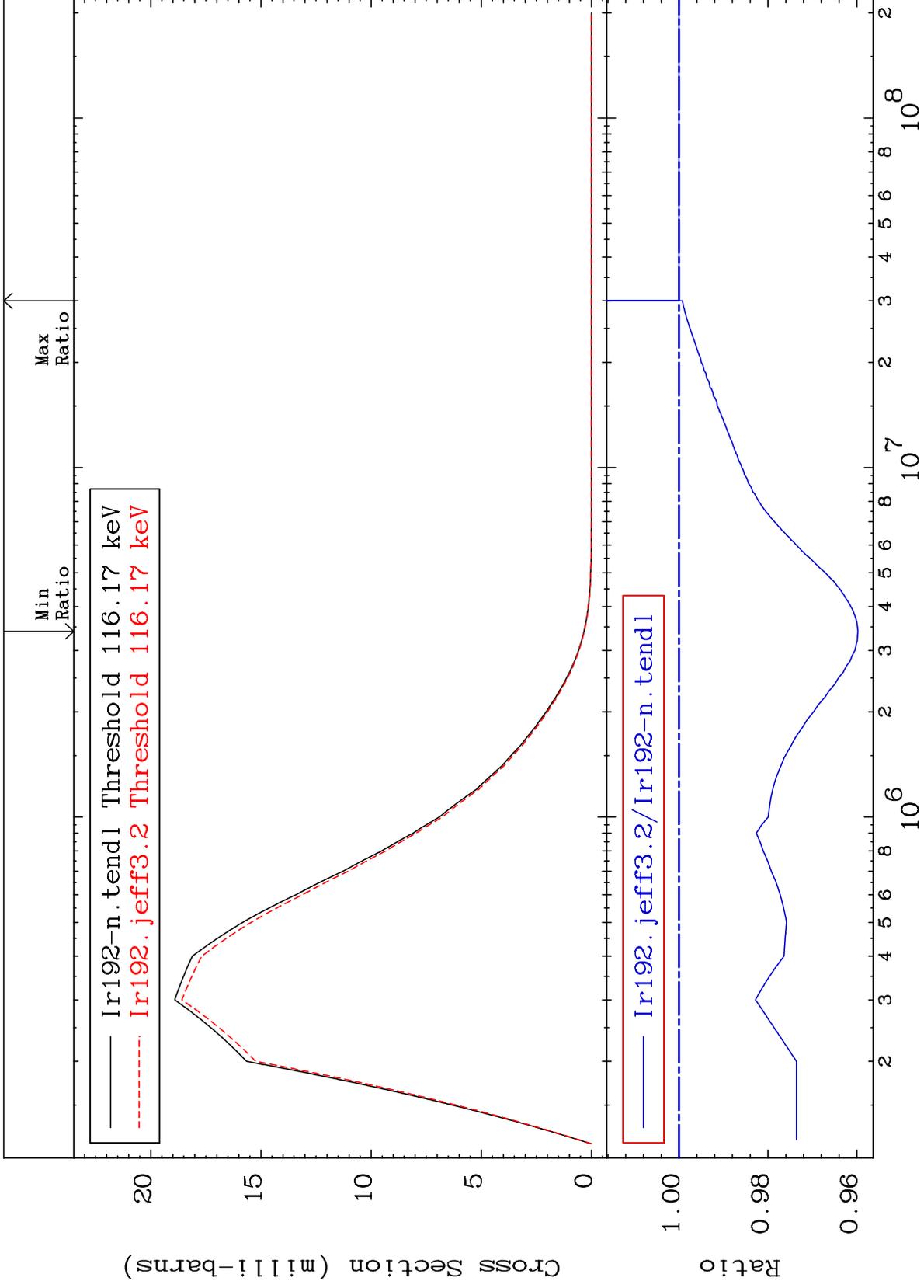
Incident Energy (eV)

77-Ir-192

MAT 7728

115.6 keV (n,n') Level
Cross Section

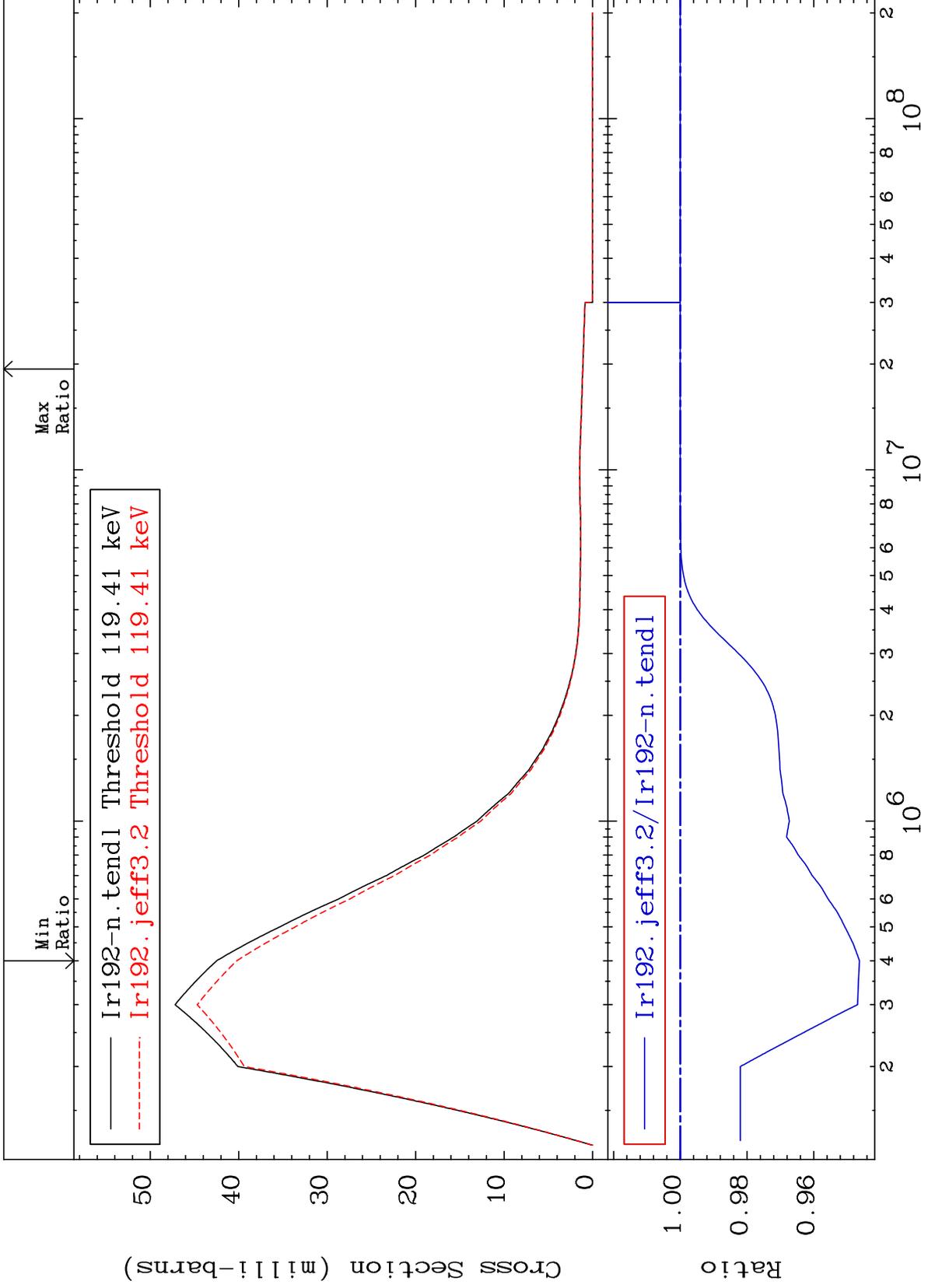
77-Ir-192
-4.022 To 0.000 %



MAT 7728

118.8 keV (n,n') Level
Cross Section

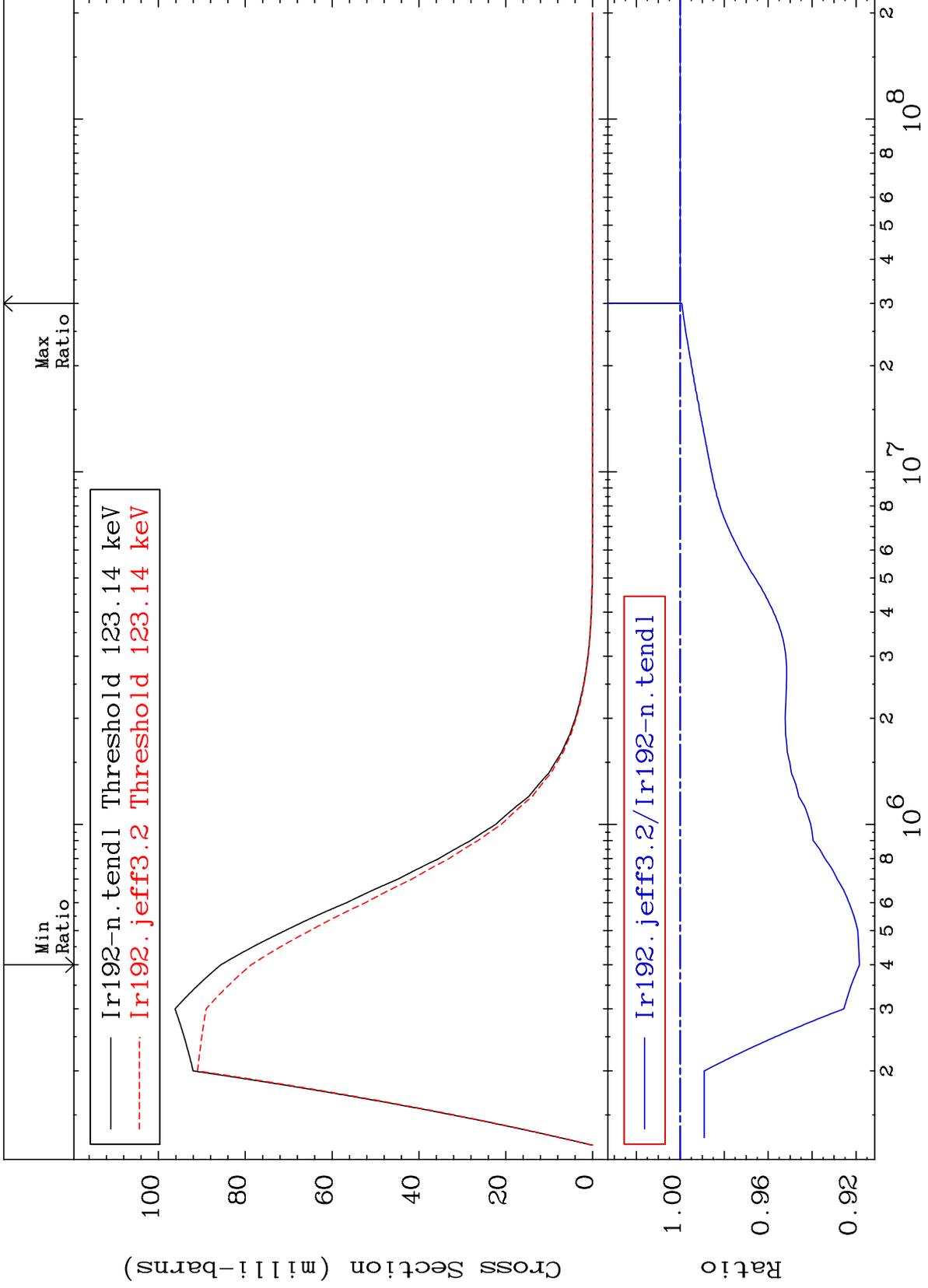
77-Ir-192
-5.373 To 0.000 %



MAT 7728

122.5 keV (n,n') Level
Cross Section

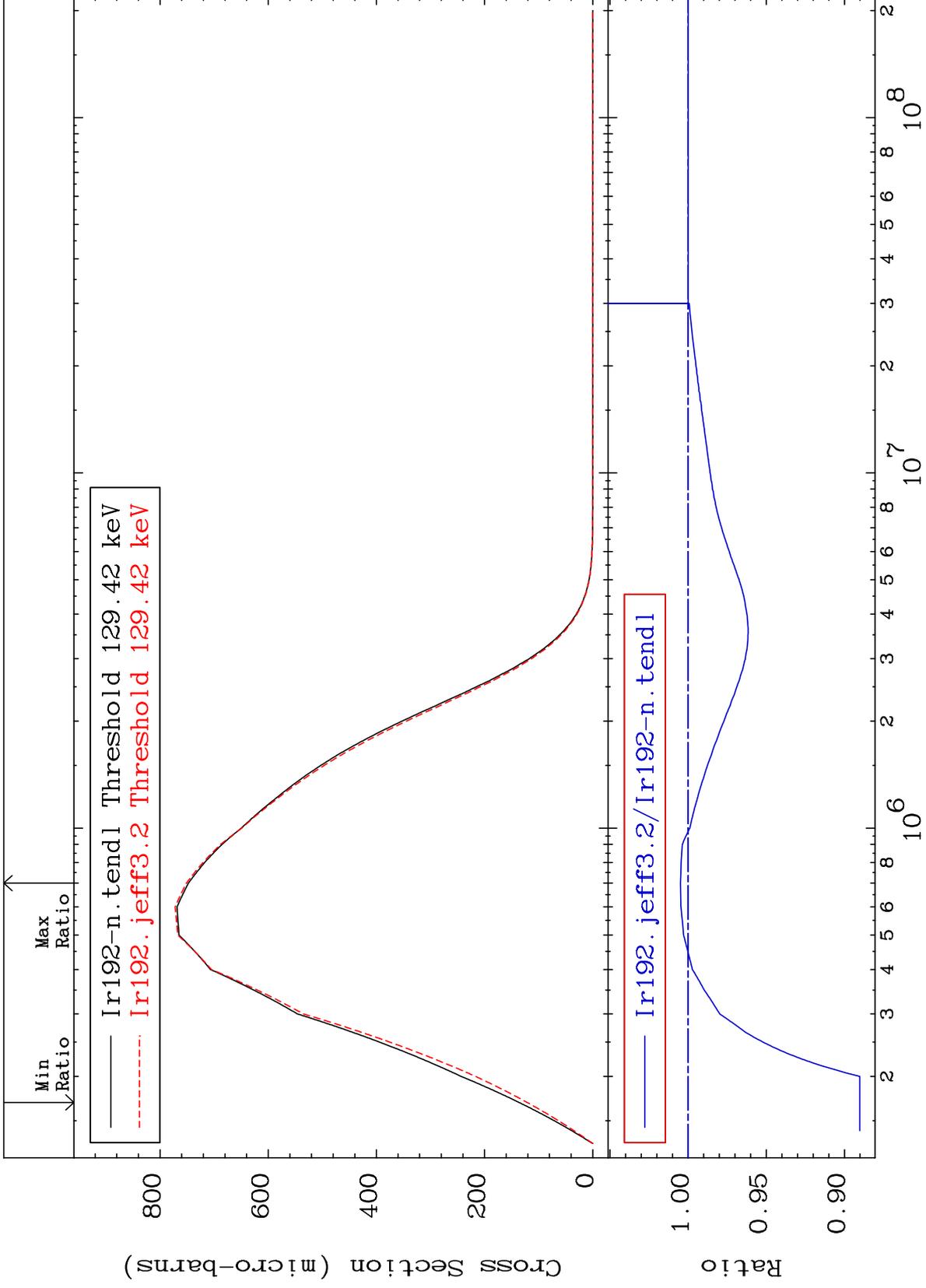
⁷⁷Ir-¹⁹²Ir
-8.155 To 0.000 %



MAT 7728

128.7 keV (n,n') Level
Cross Section

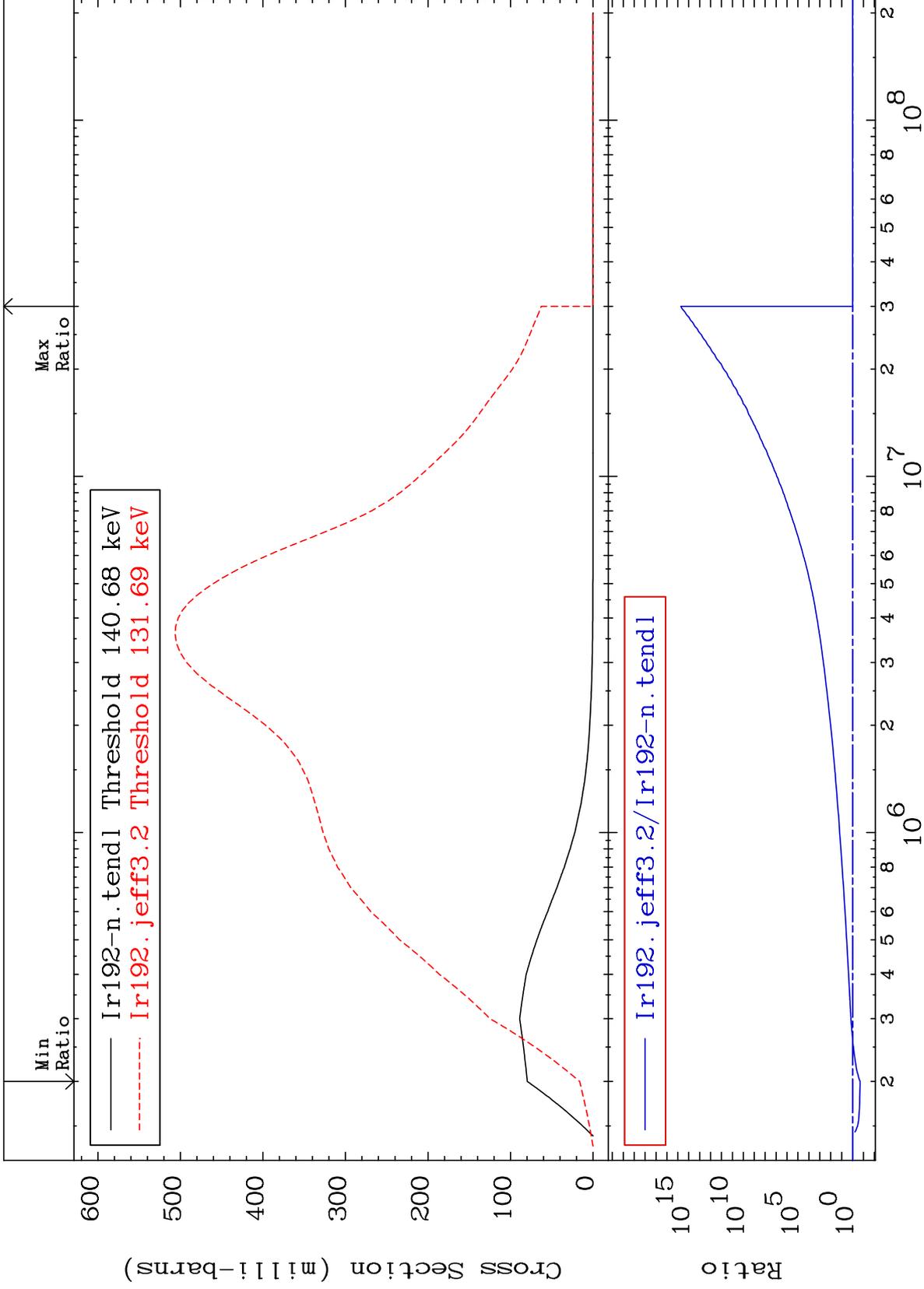
77-Ir-192
-10.98 To 0.485 %



MAT 7728

139.9 keV (n,n') Level
Cross Section

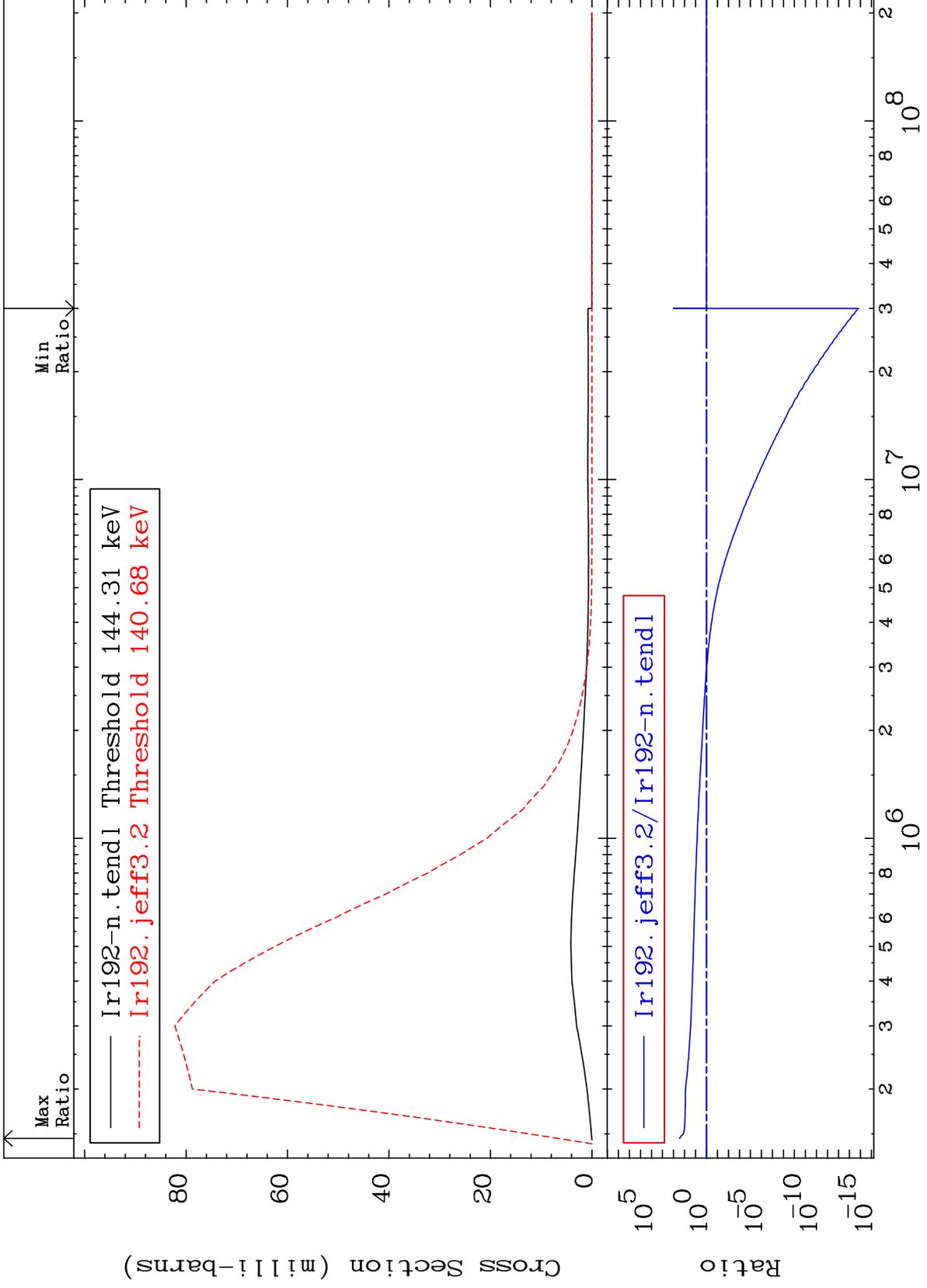
77-Ir-192
-79.70 To 9999. %



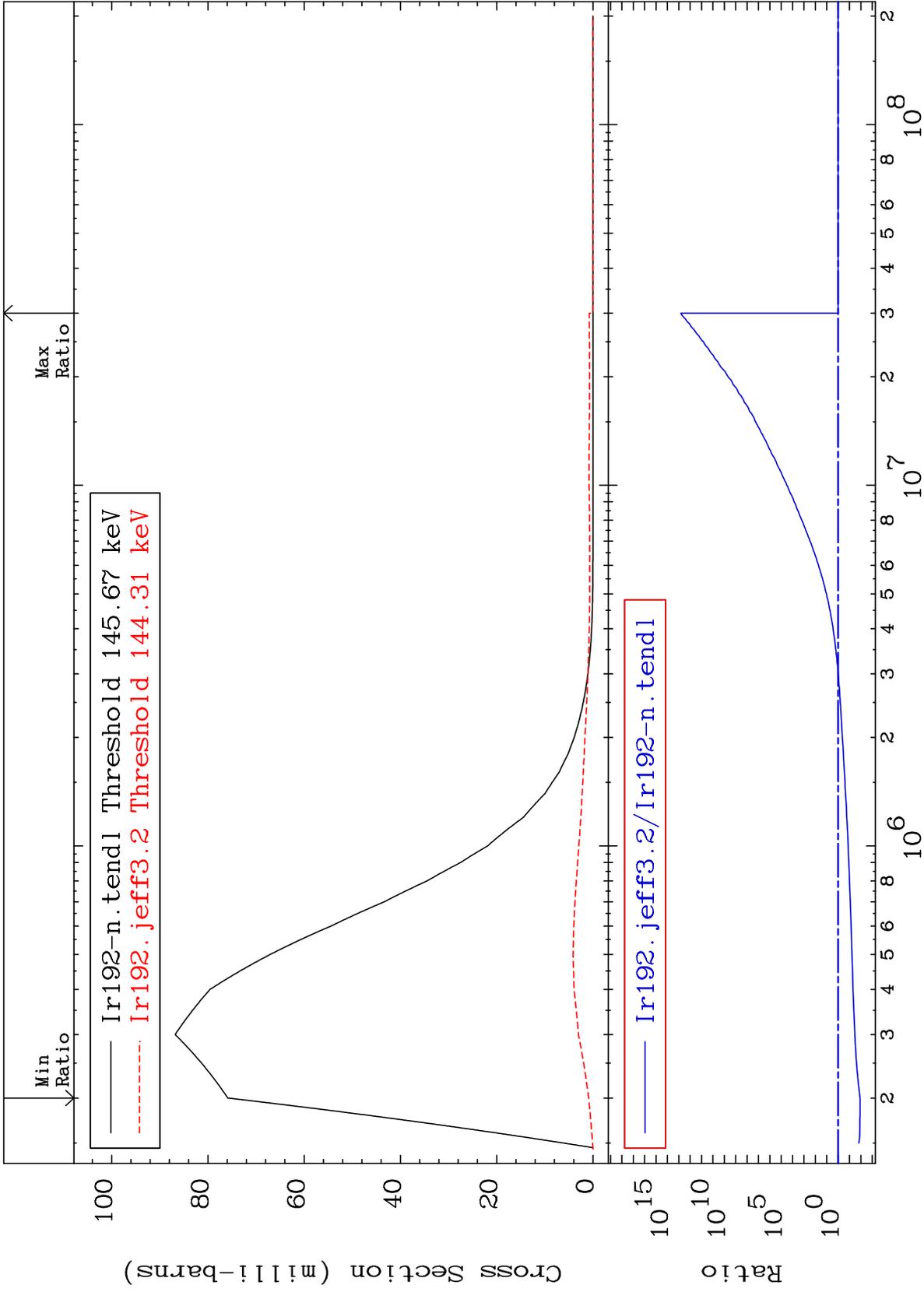
MAT 7728

143.6 keV (n,n') Level
Cross Section

77-Ir-192
-100.0 To 9999. %



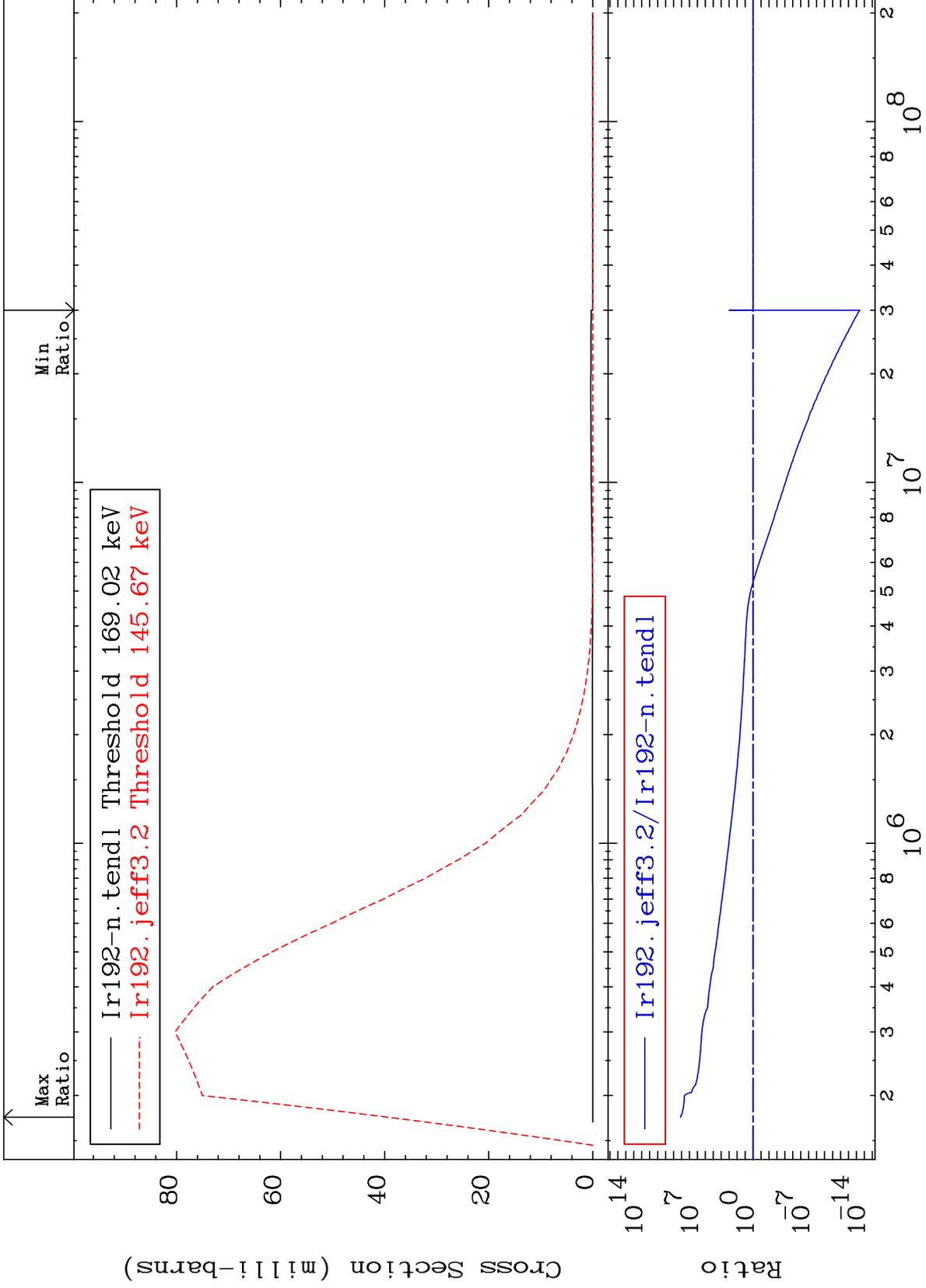
MAT 7728 144.9 keV (n,n') Level 77-Ir-192
 Cross Section -98.82 To 9999. %



MAT 7728

168.1 keV (n,n') Level
Cross Section

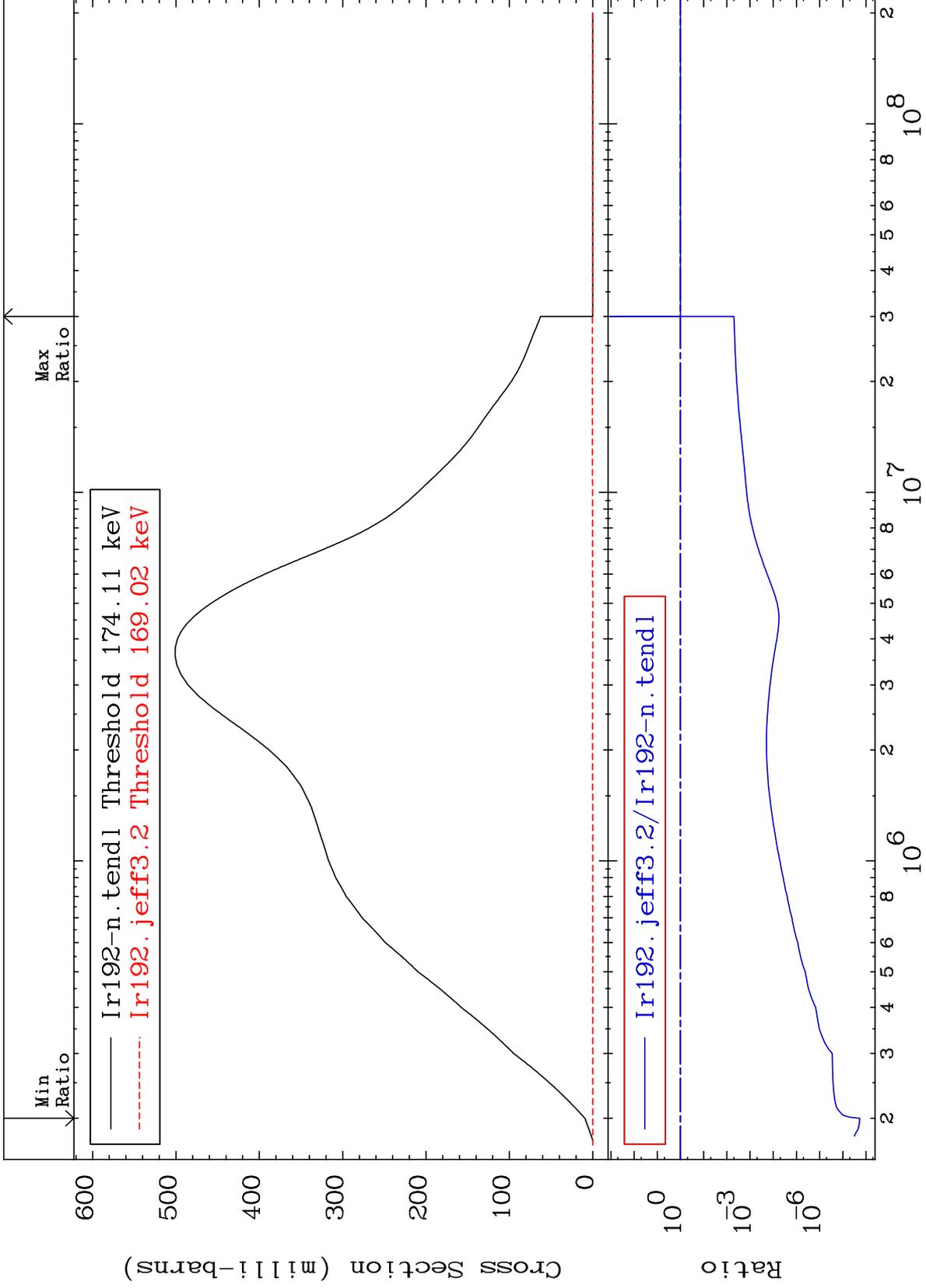
⁷⁷Ir-¹⁹²Ir
-100.0 To 9999. %



MAT 7728

173.2 keV (n,n') Level
Cross Section

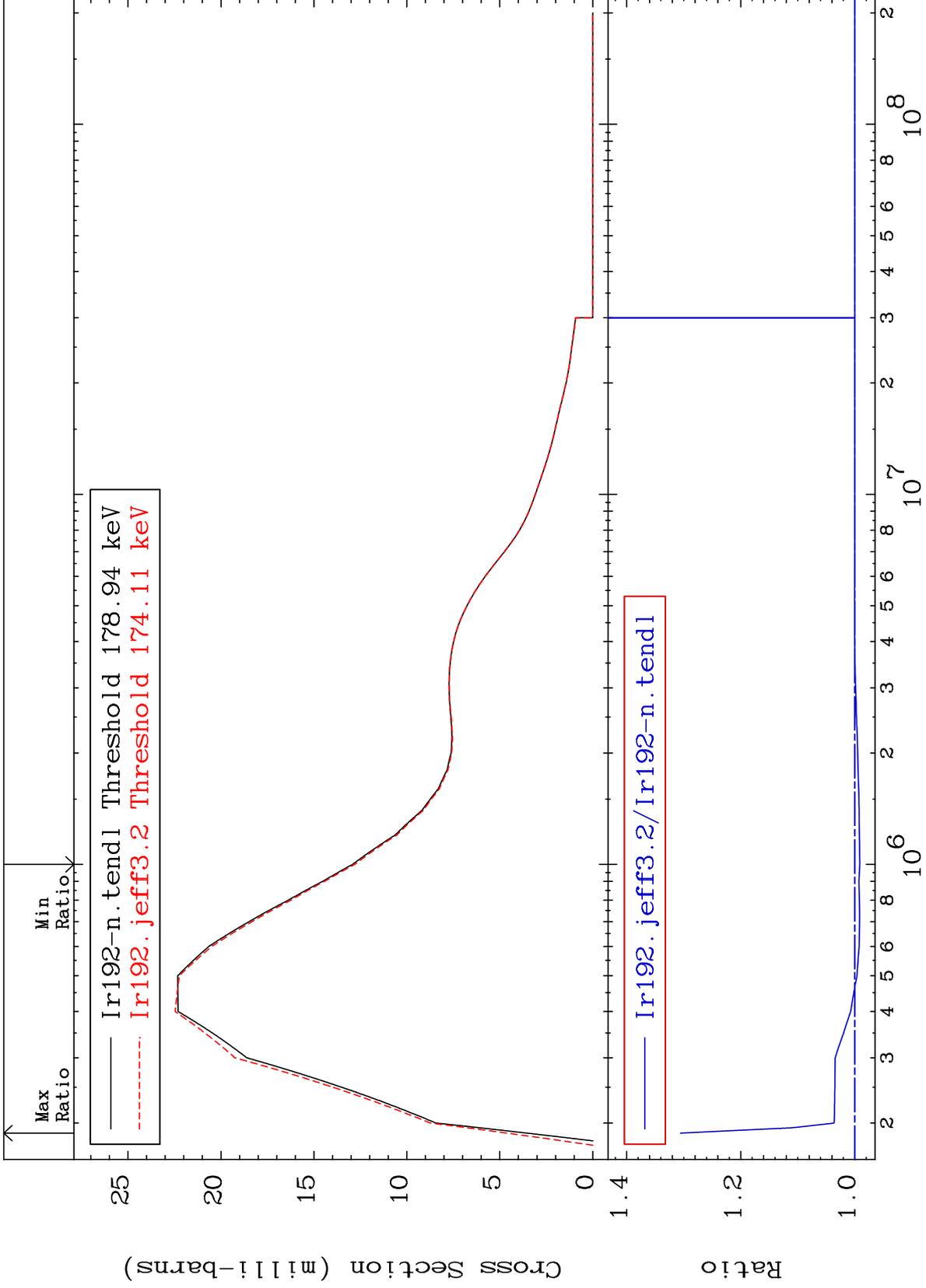
⁷⁷Ir-¹⁹²Ir
-100.0 To 0.000 %



MAT 7728

178.0 keV (n,n') Level
Cross Section

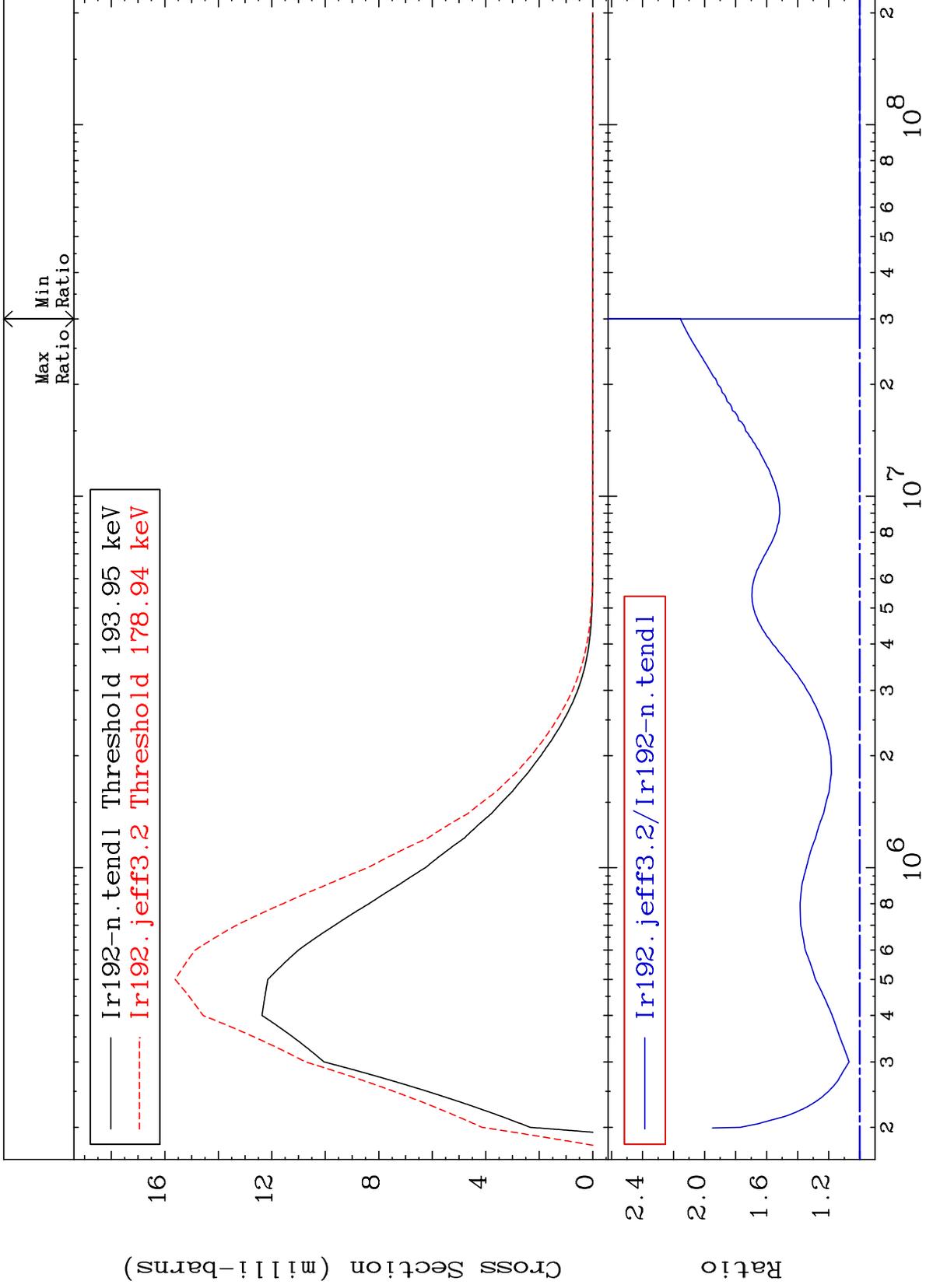
⁷⁷Ir-¹⁹²Ir
-0.875 To 30.56 %



MAT 7728

192.9 keV (n,n') Level
Cross Section

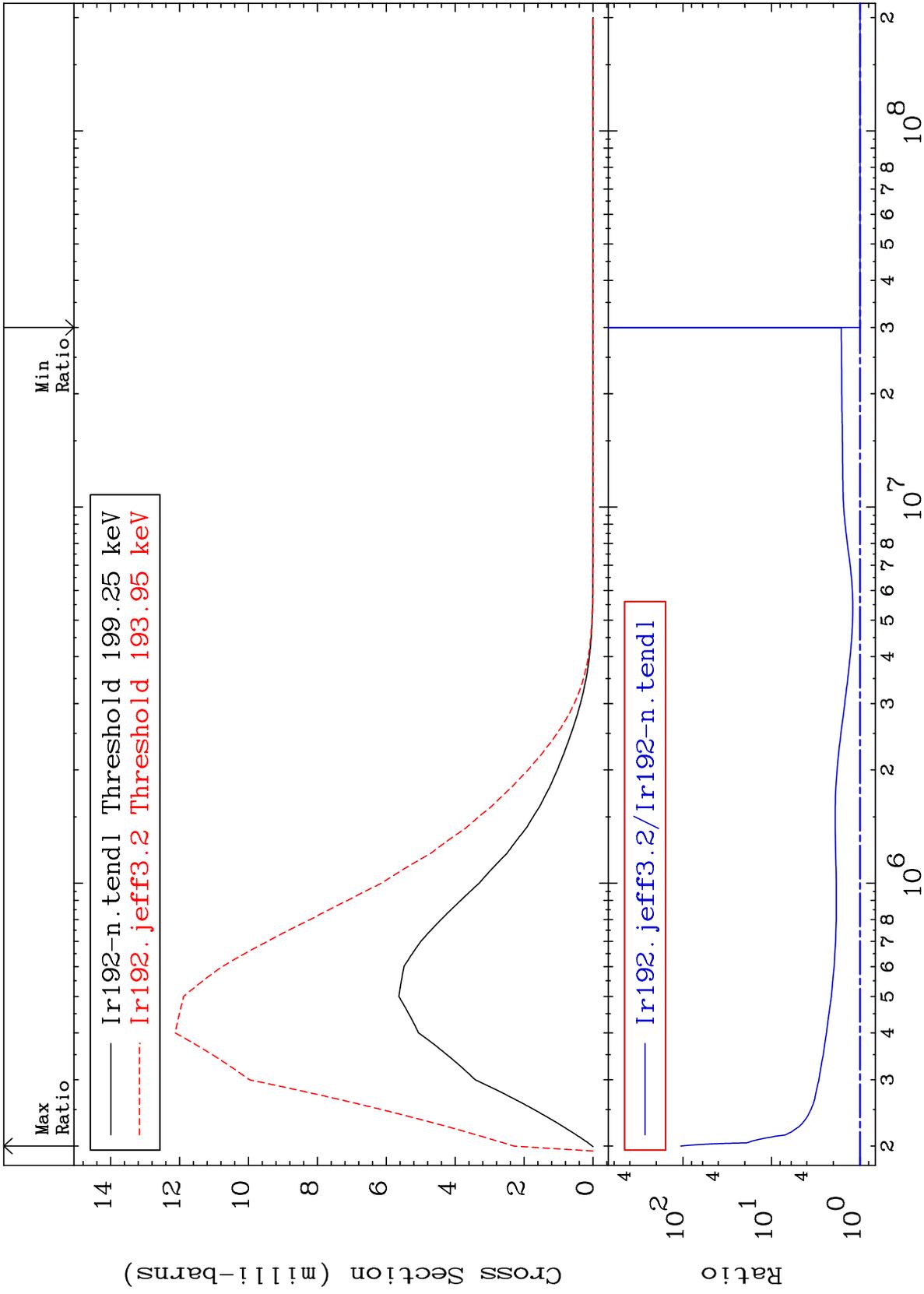
77-Ir-192
To 115.5 %



MAT 7728

198.2 keV (n,n') Level
Cross Section

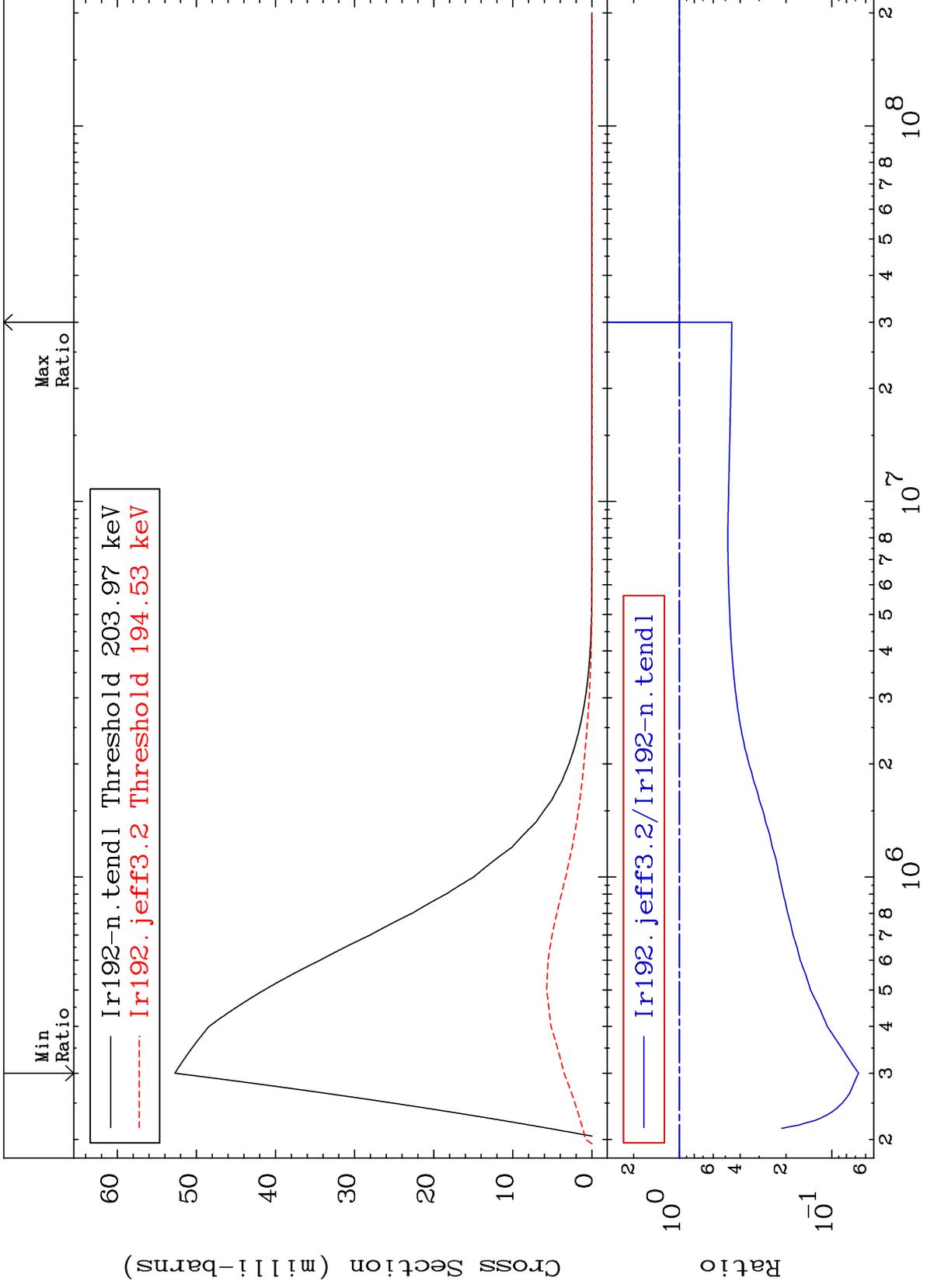
77-Ir-192
0.000 To 9999. %



MAT 7728

202.9 keV (n,n') Level
Cross Section

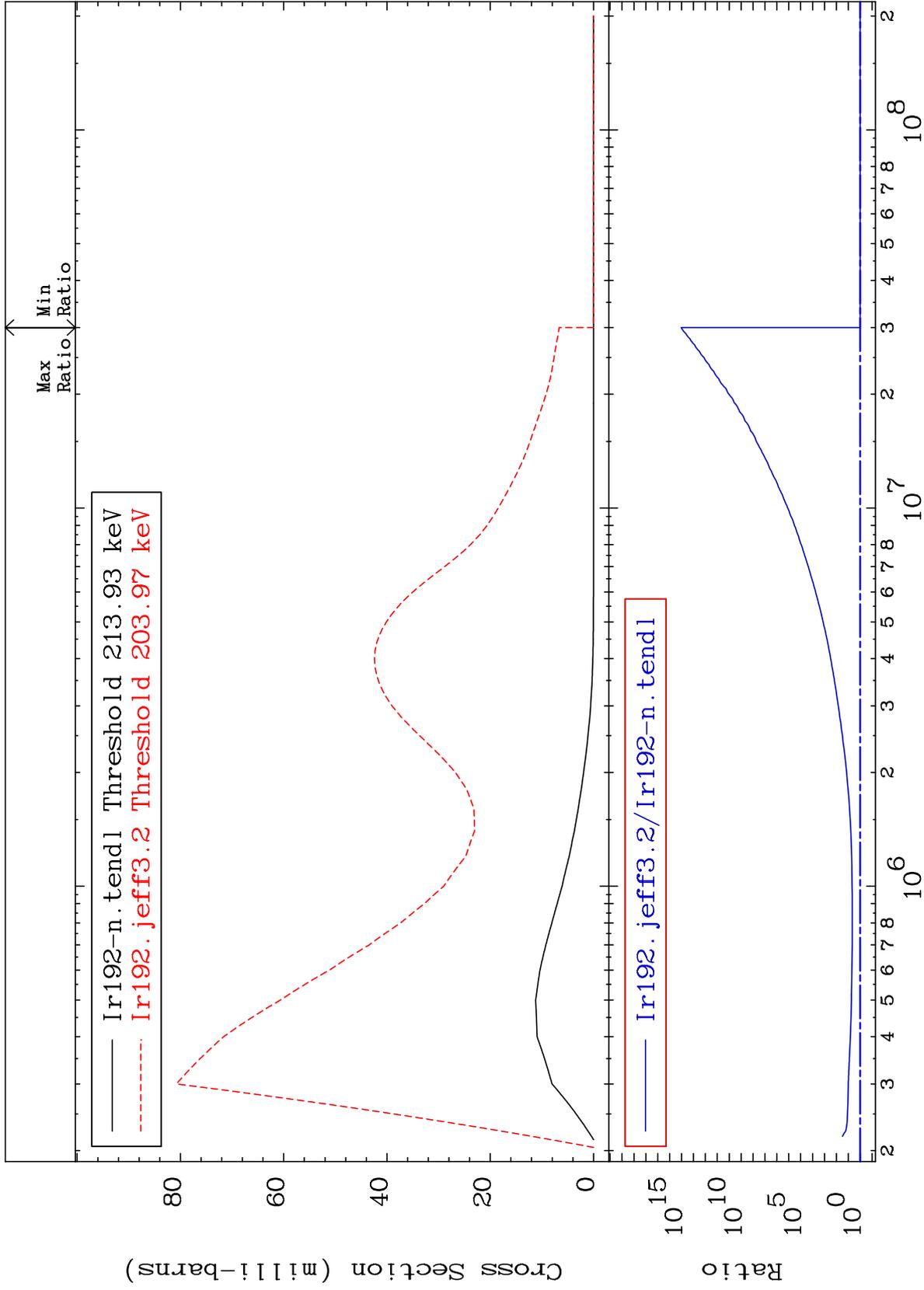
⁷⁷Ir-¹⁹²Ir
-93.33 To 0.000 %



MAT 7728

212.8 keV (n,n') Level
Cross Section

77-Ir-192
To 9999. %
0.000

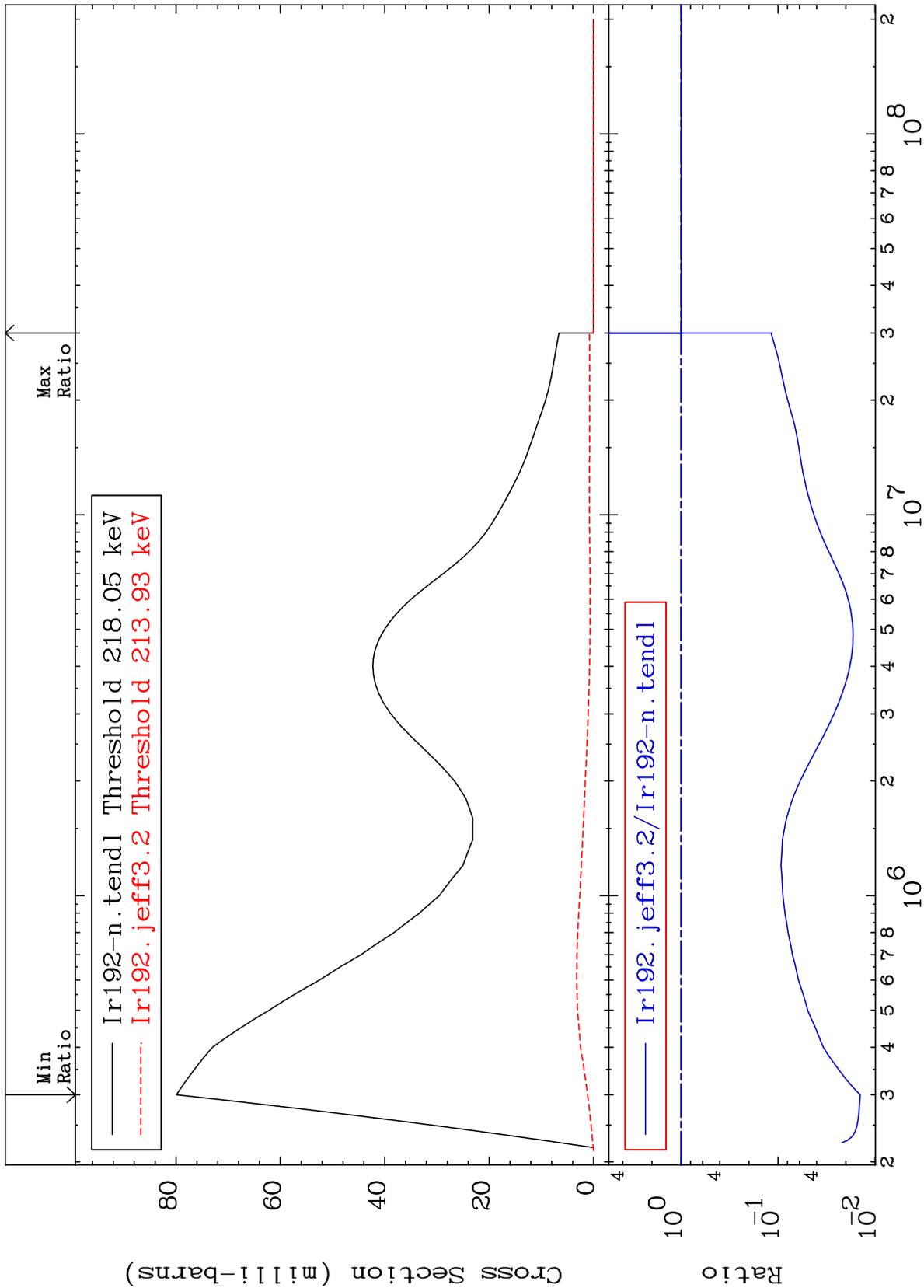


40

Incident Energy (eV)

77-Ir-192

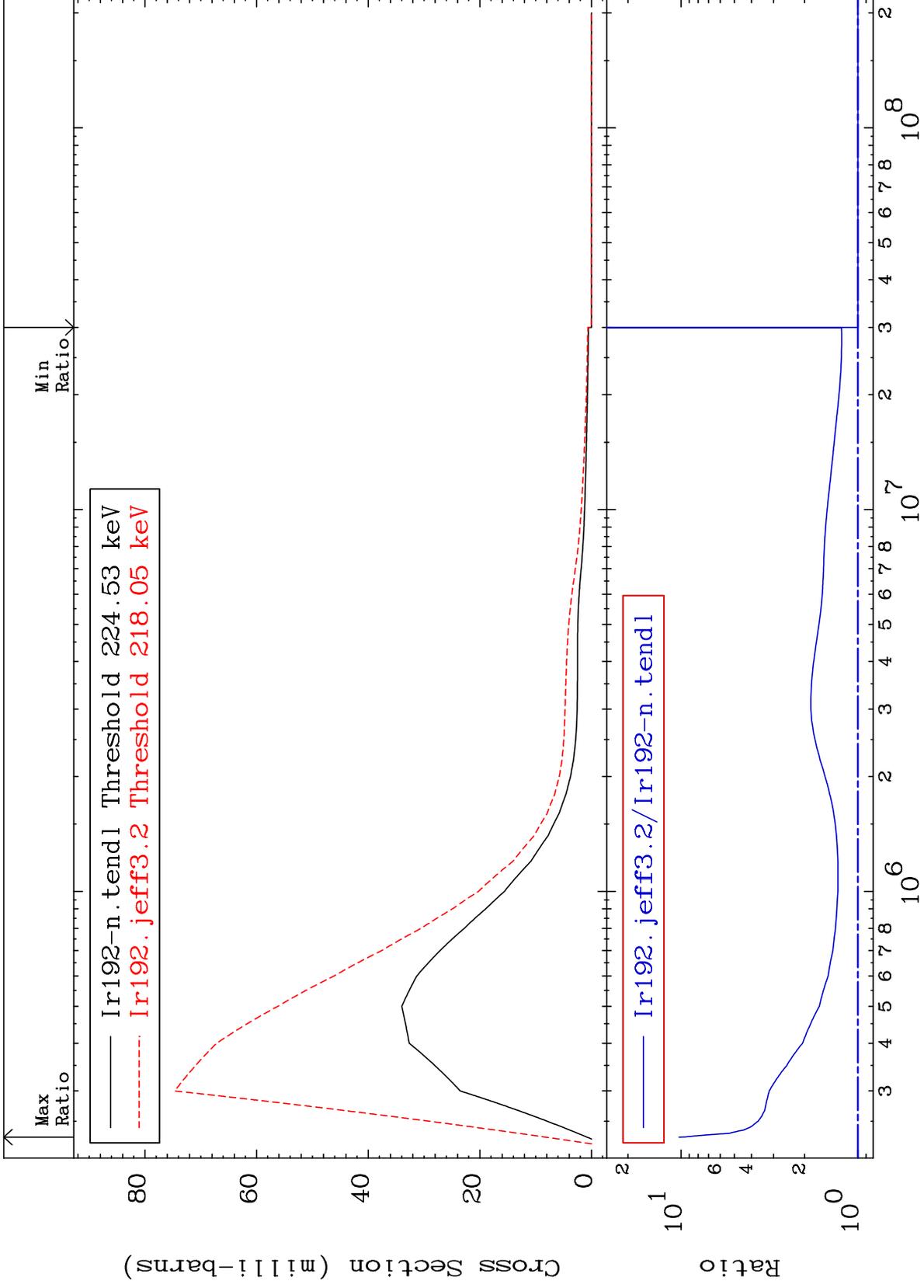
MAT 7728 216.9 keV (n,n') Level 77-Ir-192
 Cross Section -98.58 To 0.000 %



MAT 7728

223.4 keV (n,n') Level
Cross Section

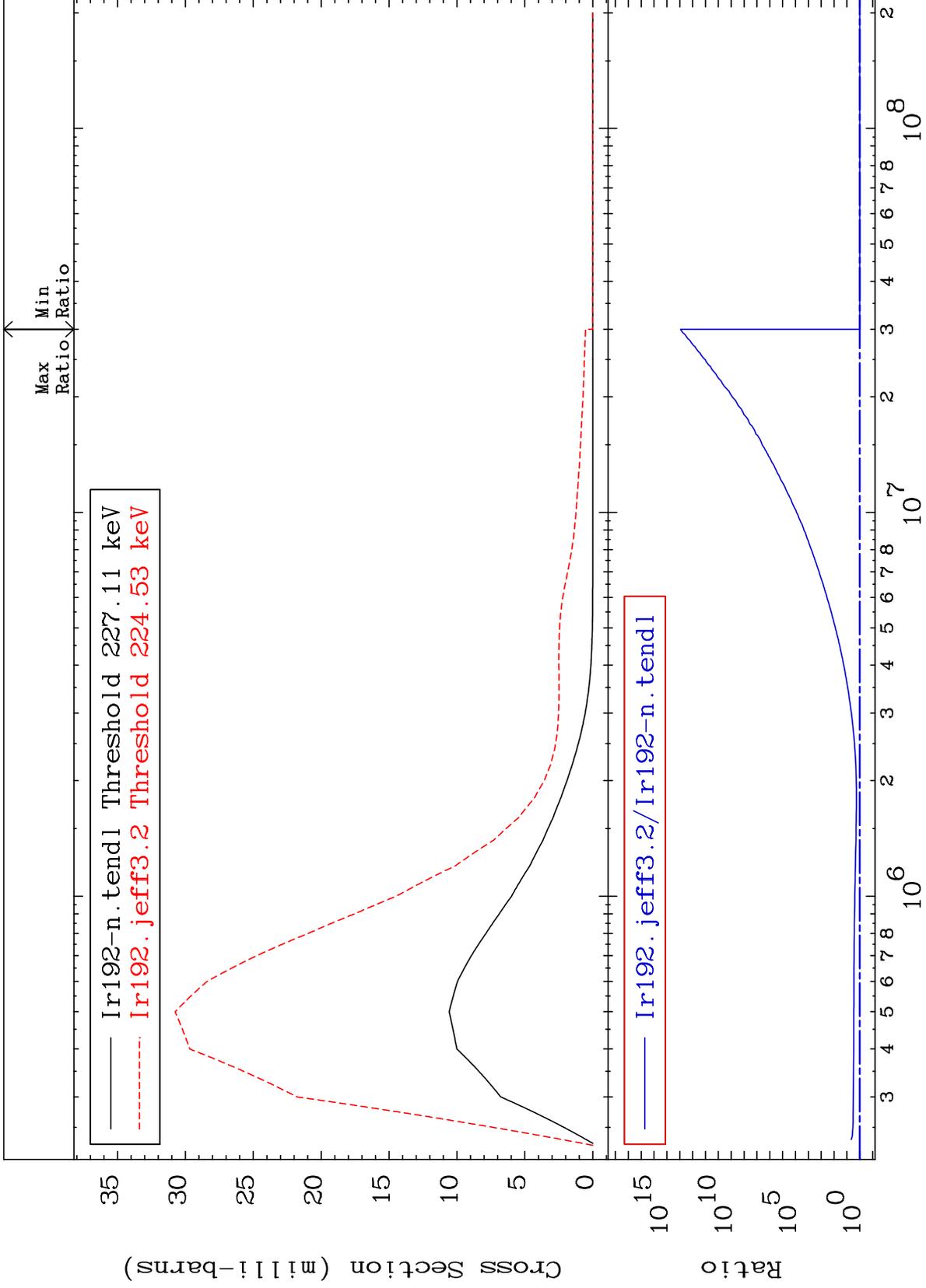
77-Ir-192
0.000 To 927.1 %



MAT 7728

225.9 keV (n,n') Level
Cross Section

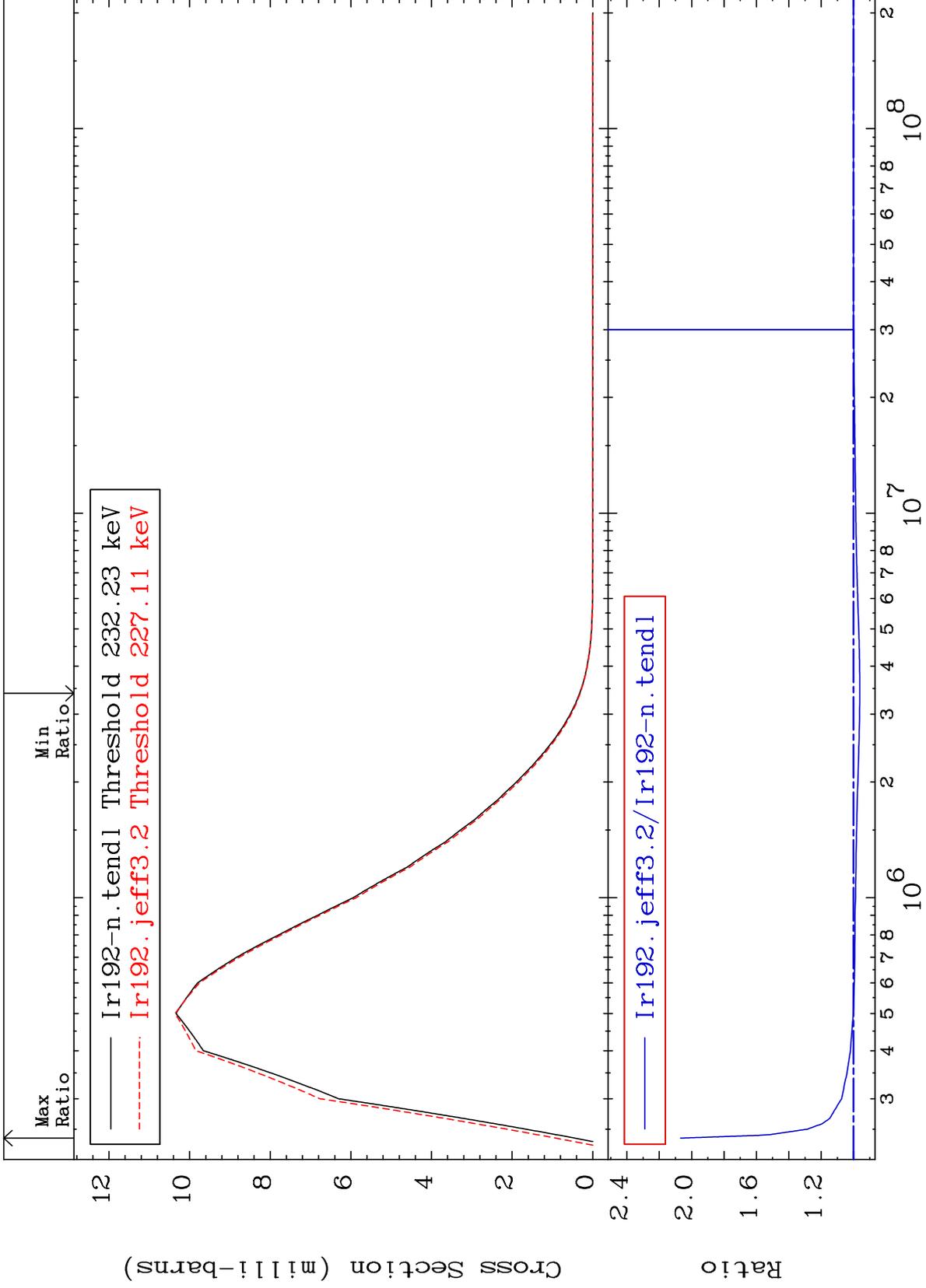
77-Ir-192
To 9999. %



MAT 7728

231.0 keV (n,n') Level
Cross Section

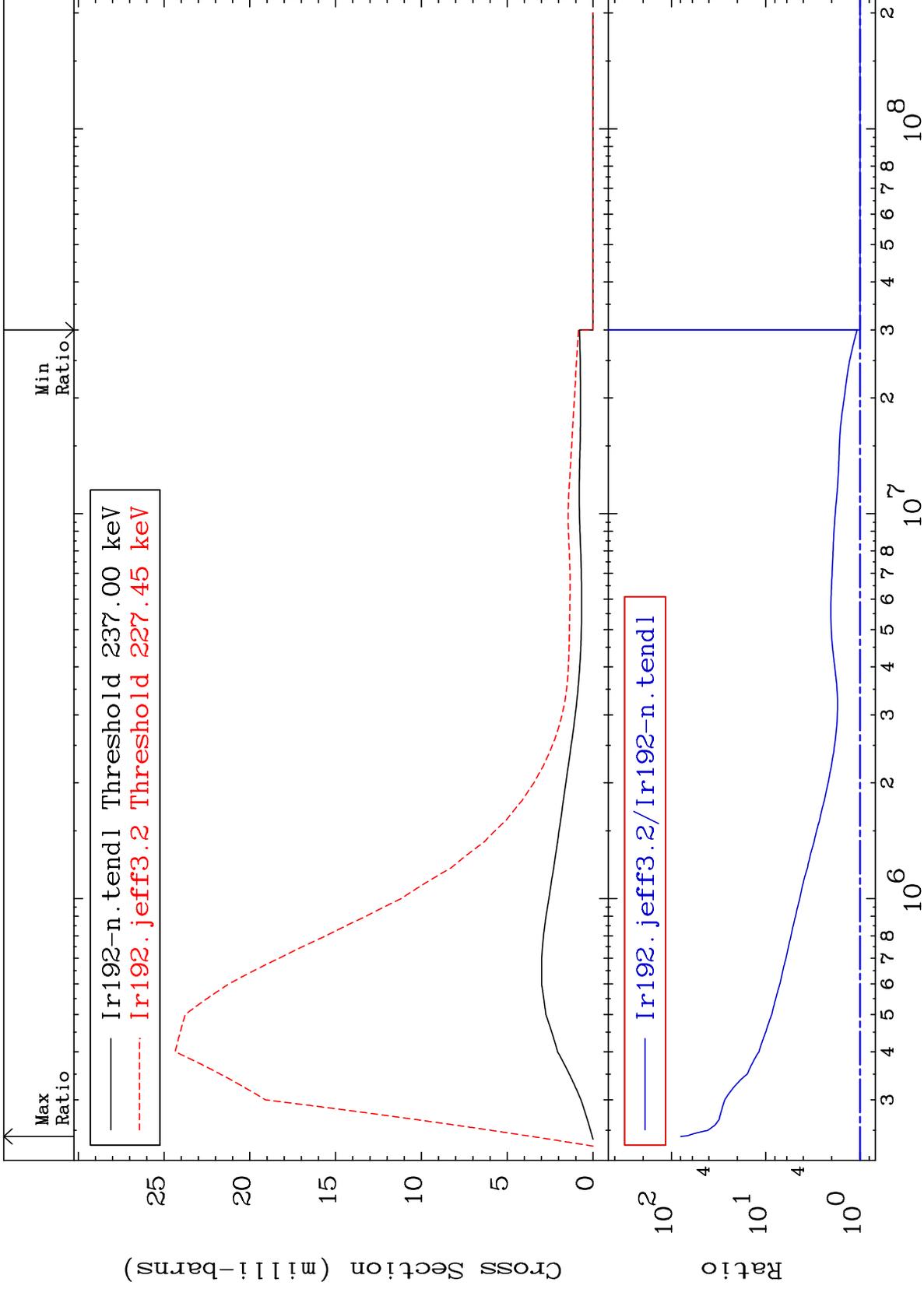
77-Ir-192
-3.832 To 106.9 %



MAT 7728

235.8 keV (n,n') Level
Cross Section

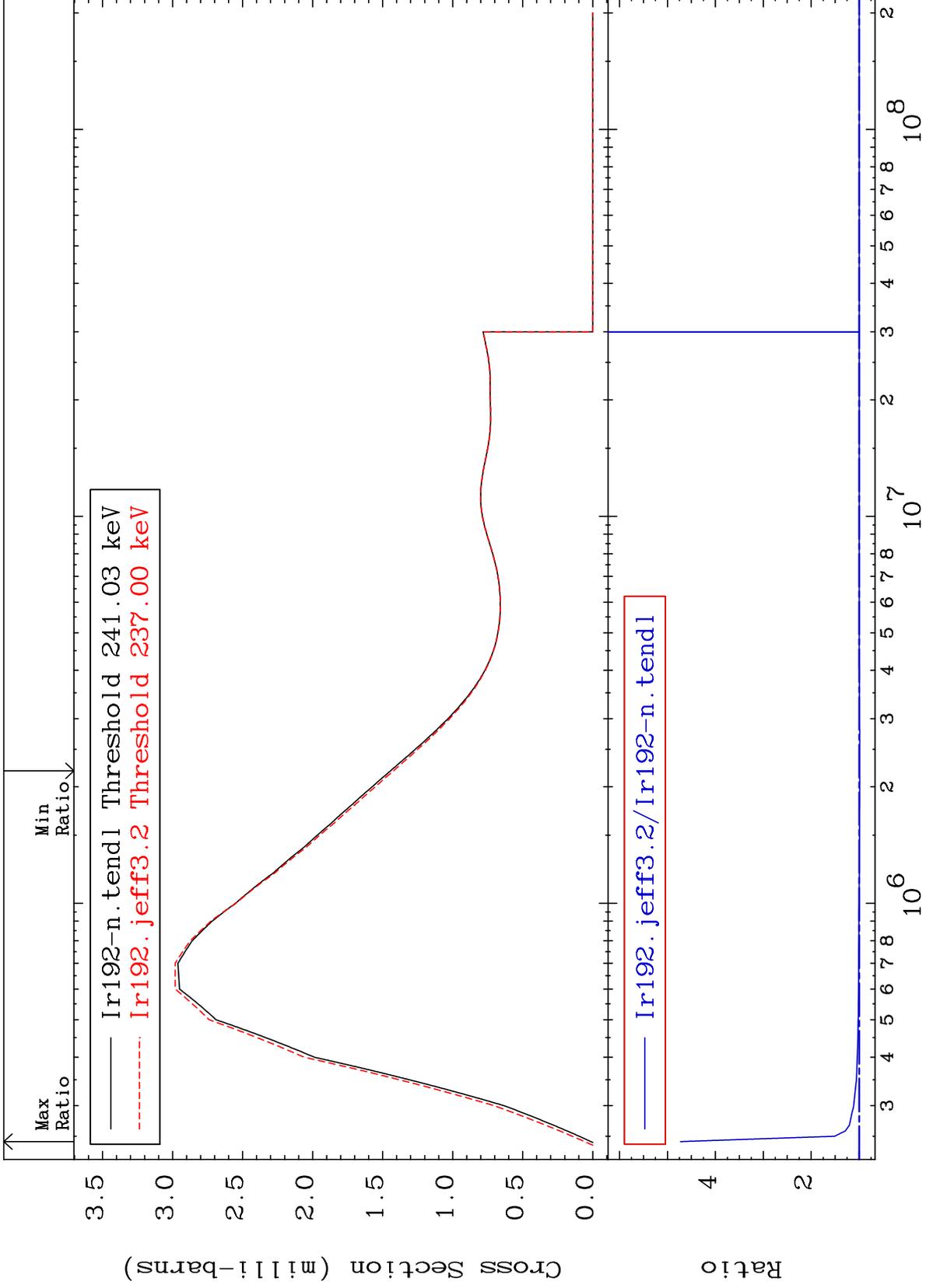
77-Ir-192
0.000 To 7868. %



MAT 7728

239.8 keV (n,n') Level
Cross Section

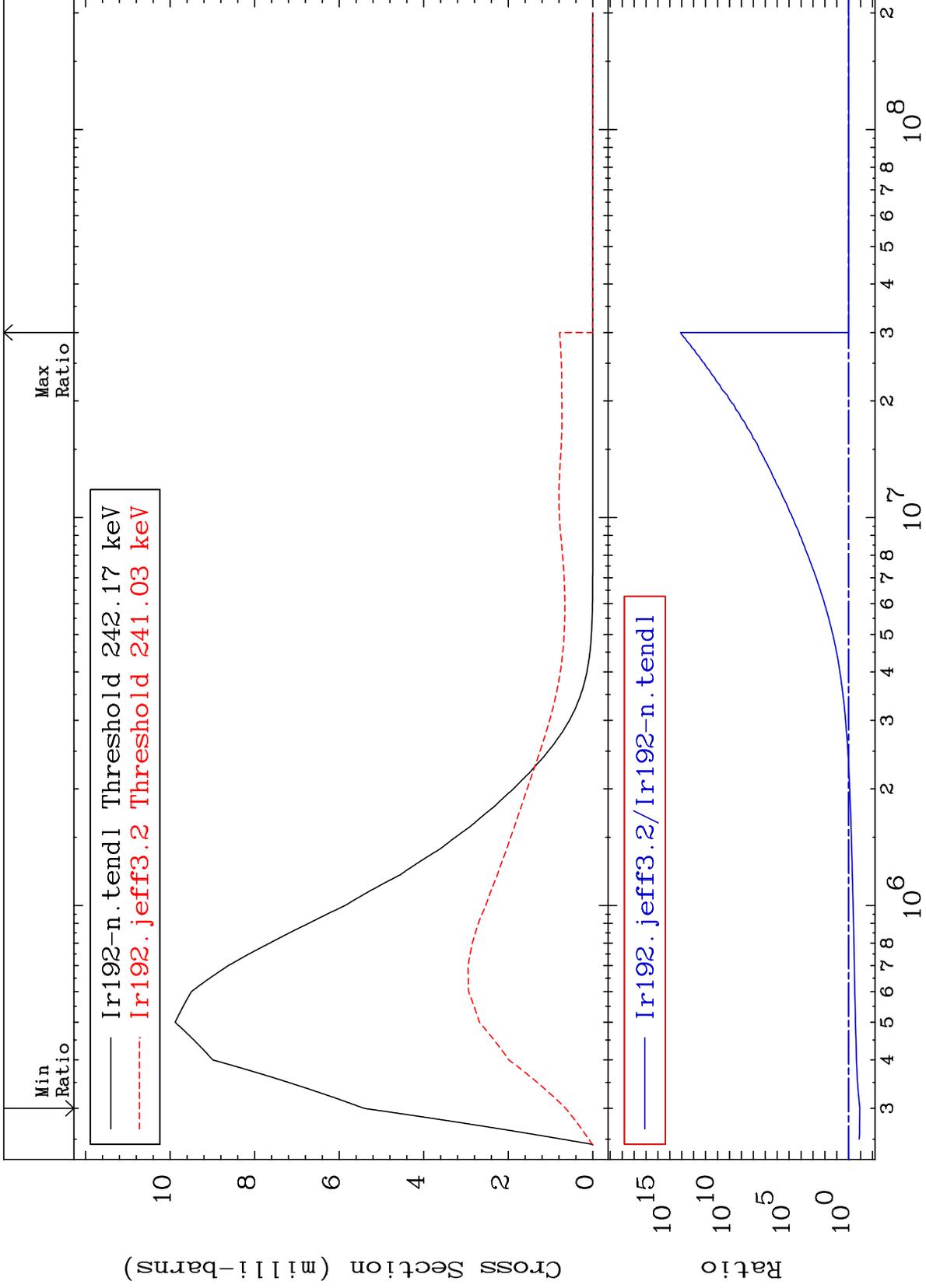
77-Ir-192
-1.459 To 372.7 %



MAT 7728

240.9 keV (n,n') Level
Cross Section

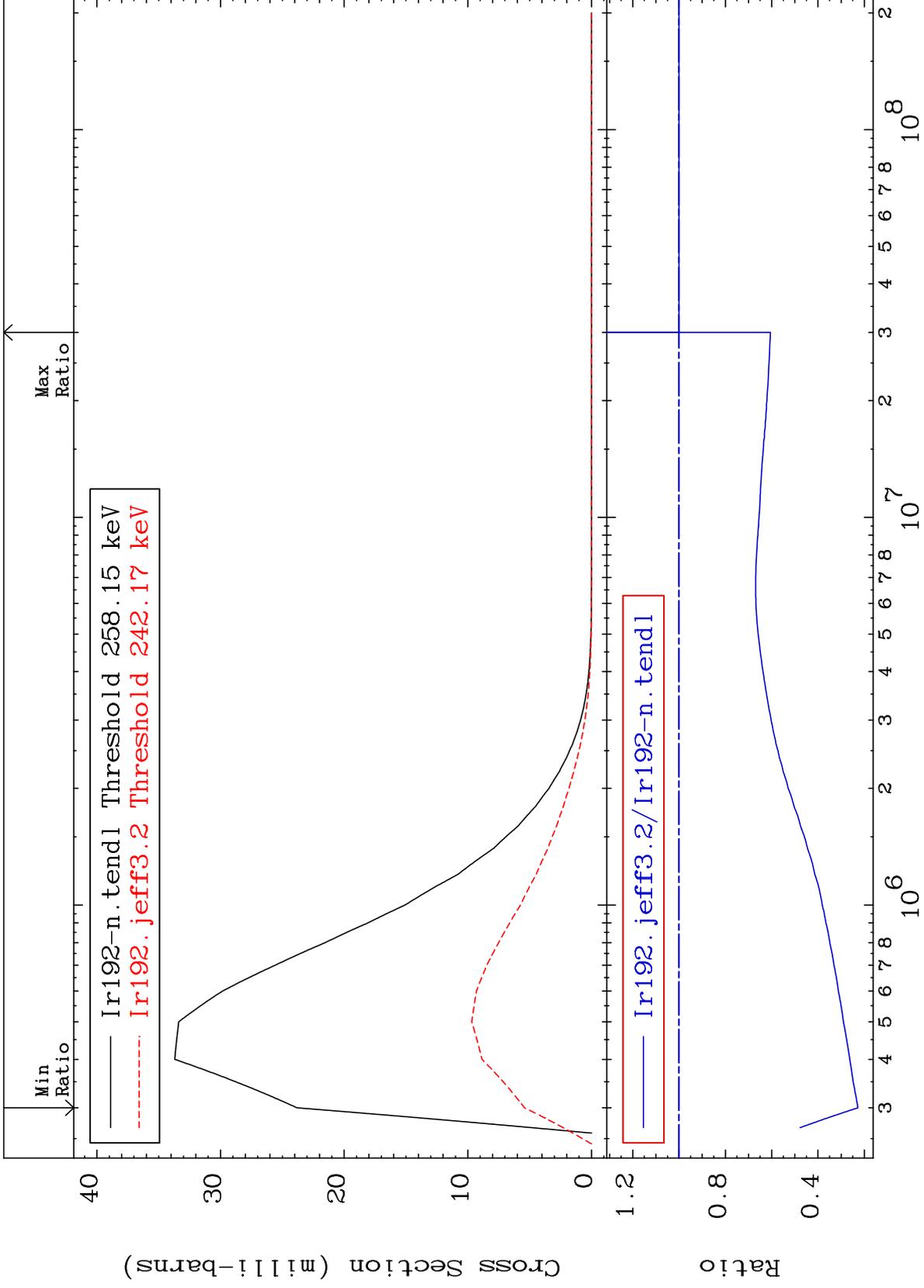
77-Ir-192
-88.18 To 9999. %



MAT 7728

256.8 keV (n,n') Level
Cross Section

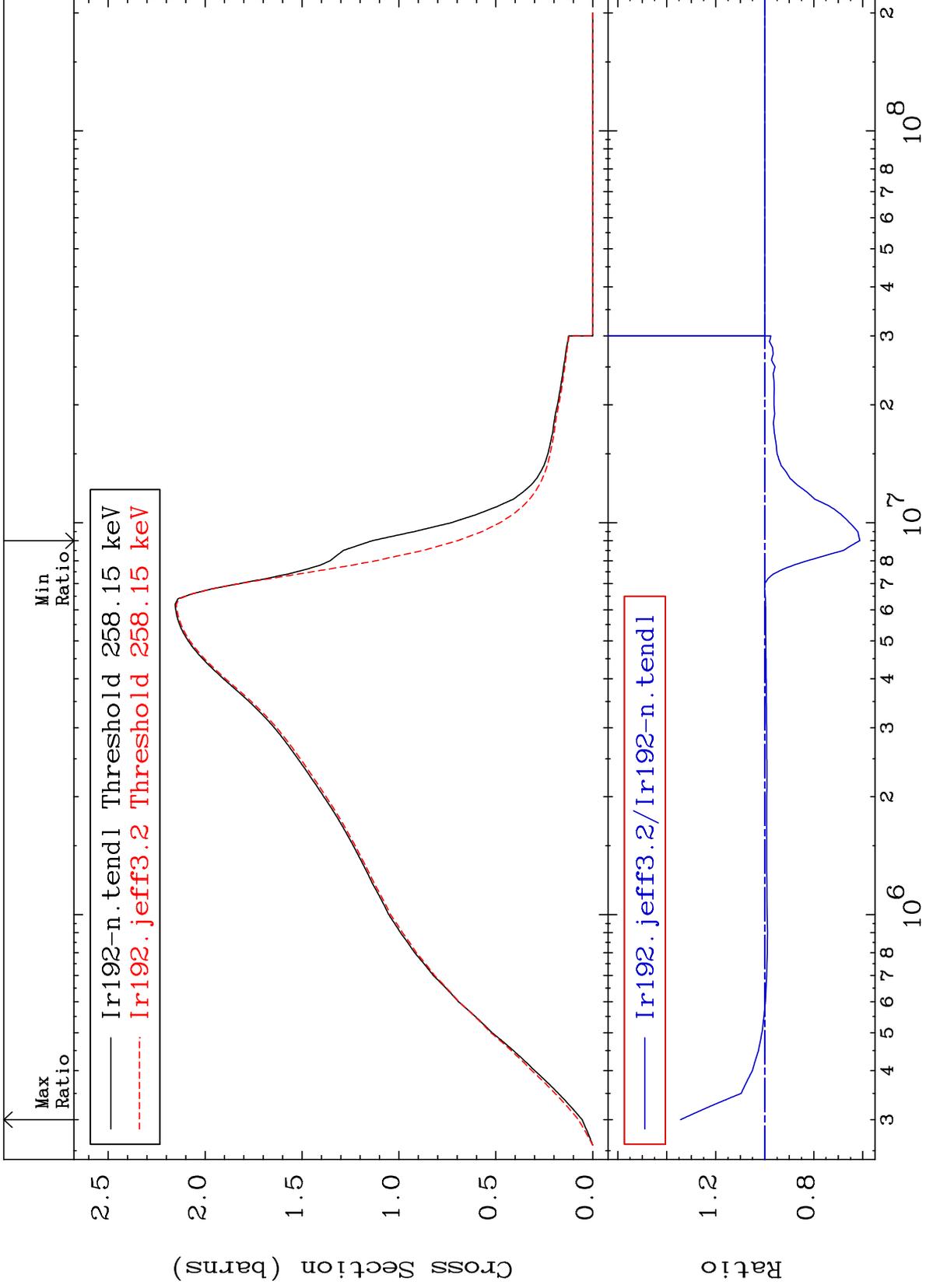
77-Ir-192
-77.24 To 0.000 %



MAT 7728

(n, n') Continuum
Cross Section

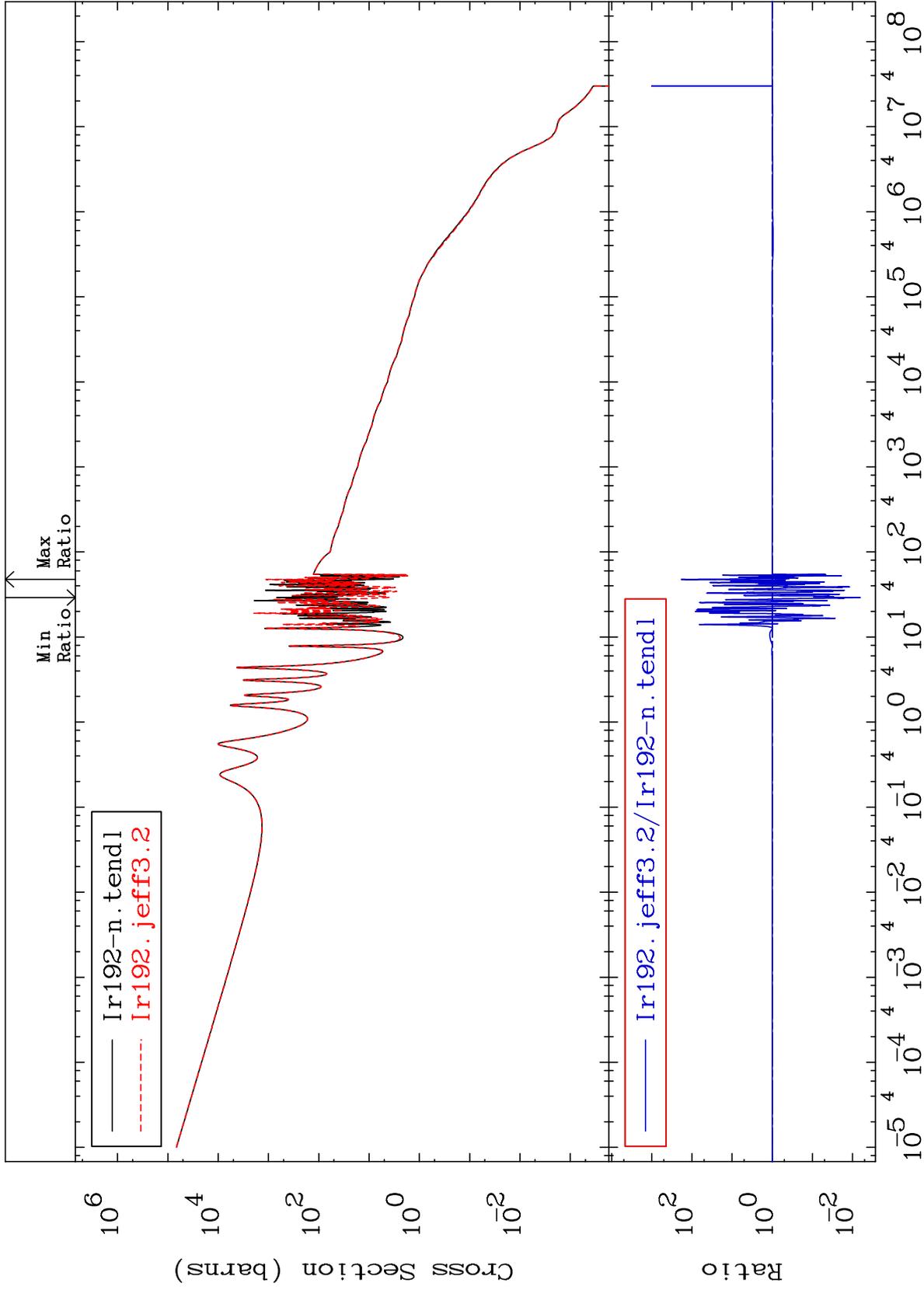
⁷⁷Ir-¹⁹²
-38.77 To 34.40 %



MAT 7728

77-Ir-192
-99.36 To 9999. %

(n, γ)
Cross Section



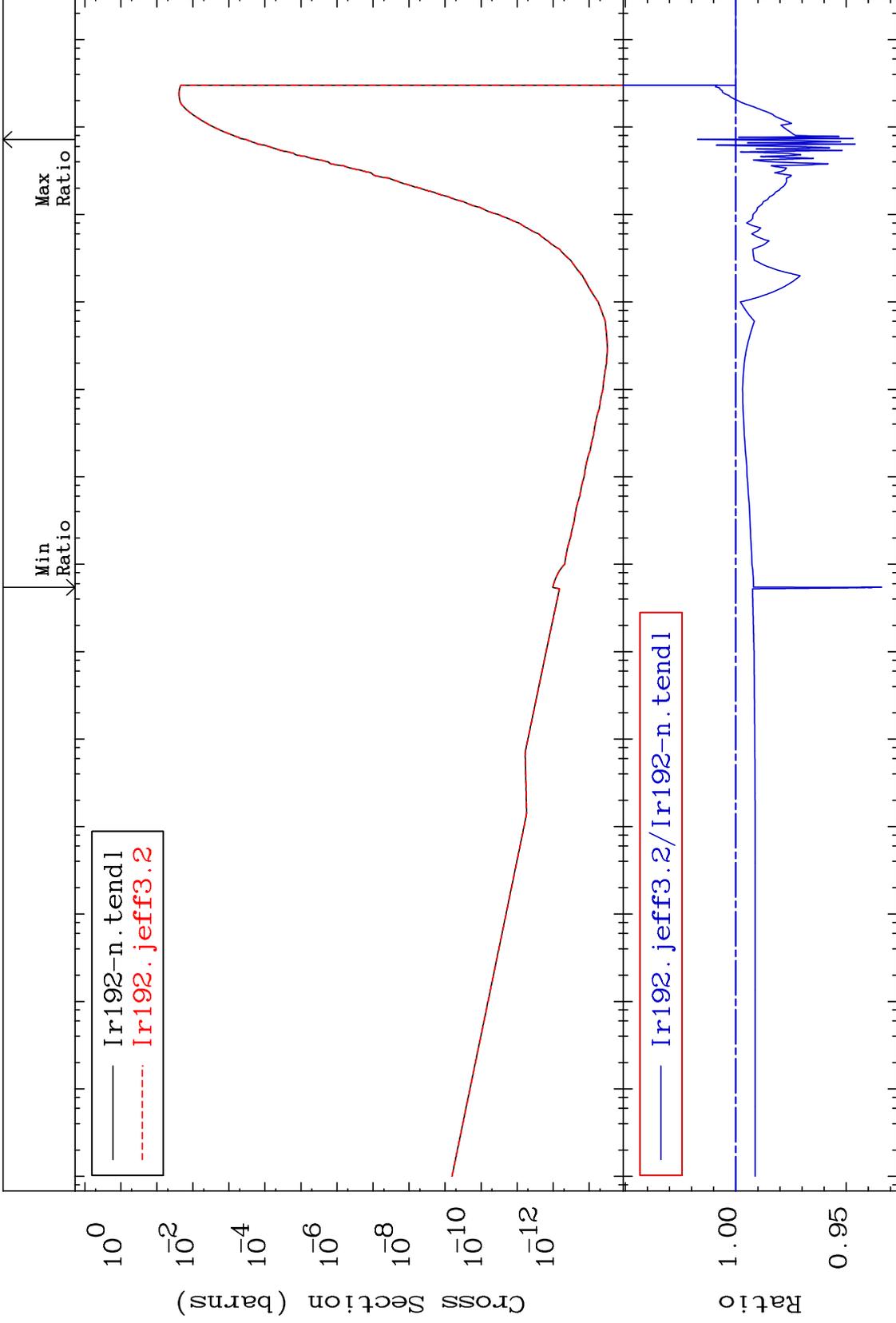
MAT 7728

(n, p)

77-Ir-192

Cross Section

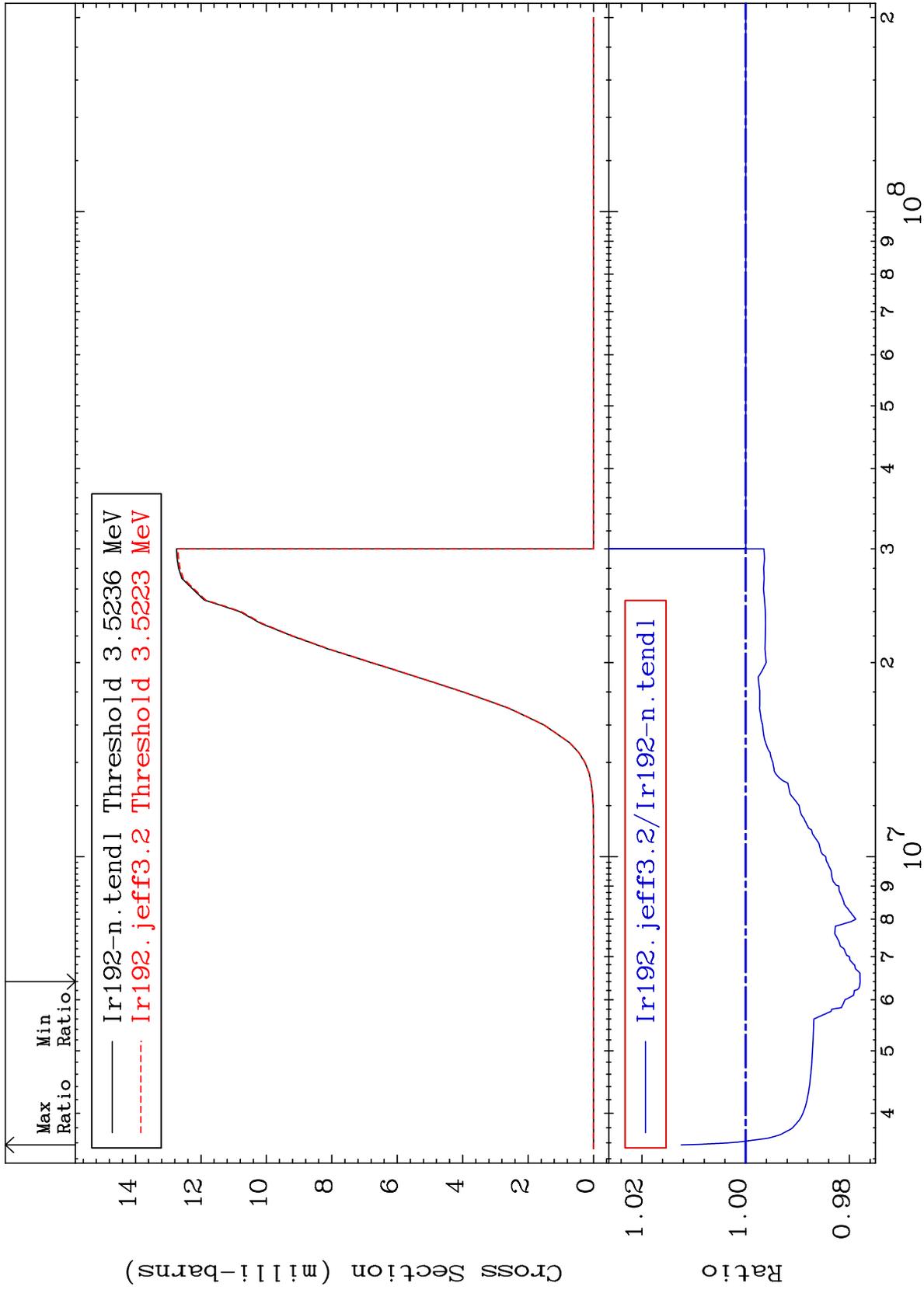
-6.598 To 1.728 %

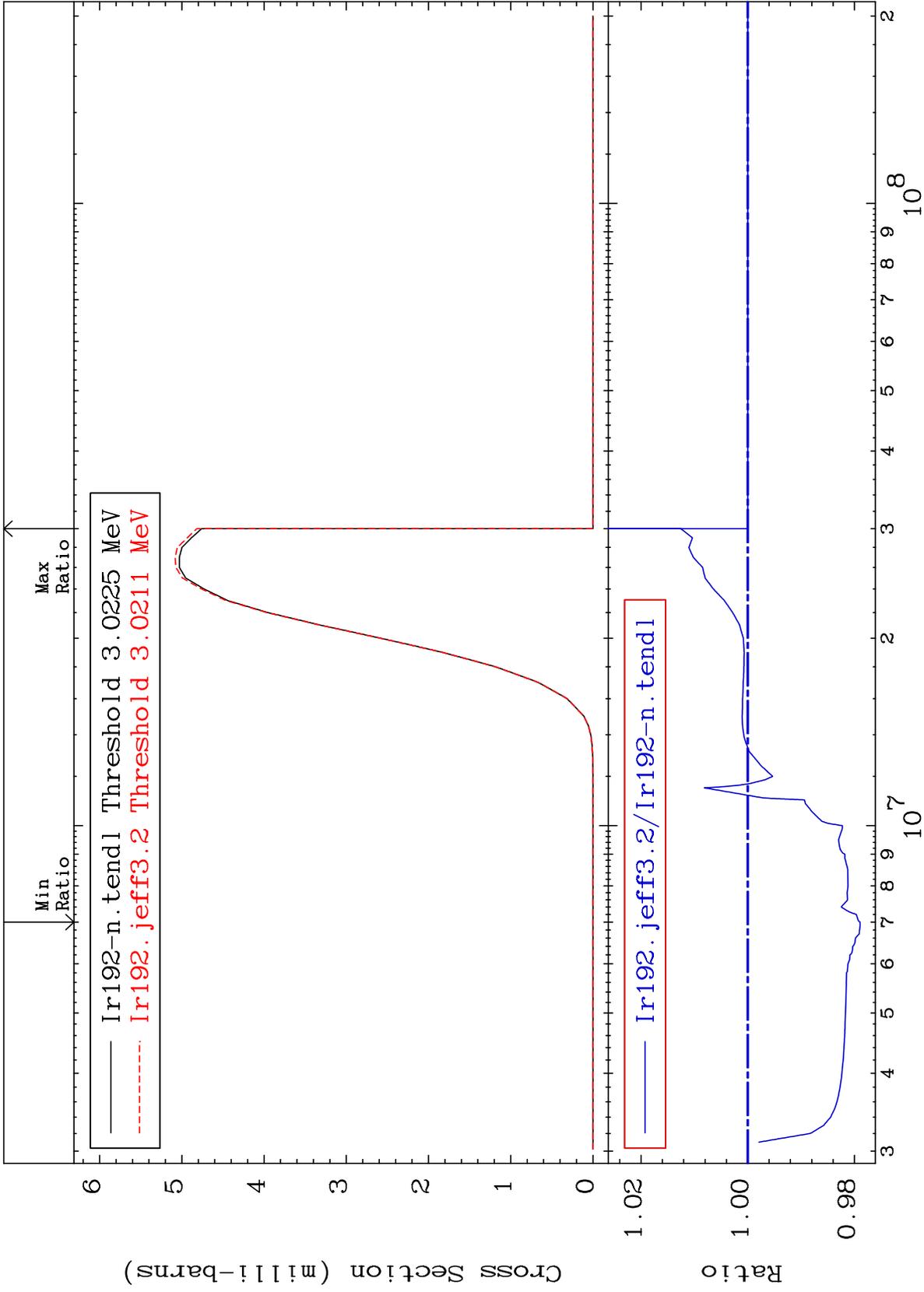


MAT 7728

(n, d)
Cross Section

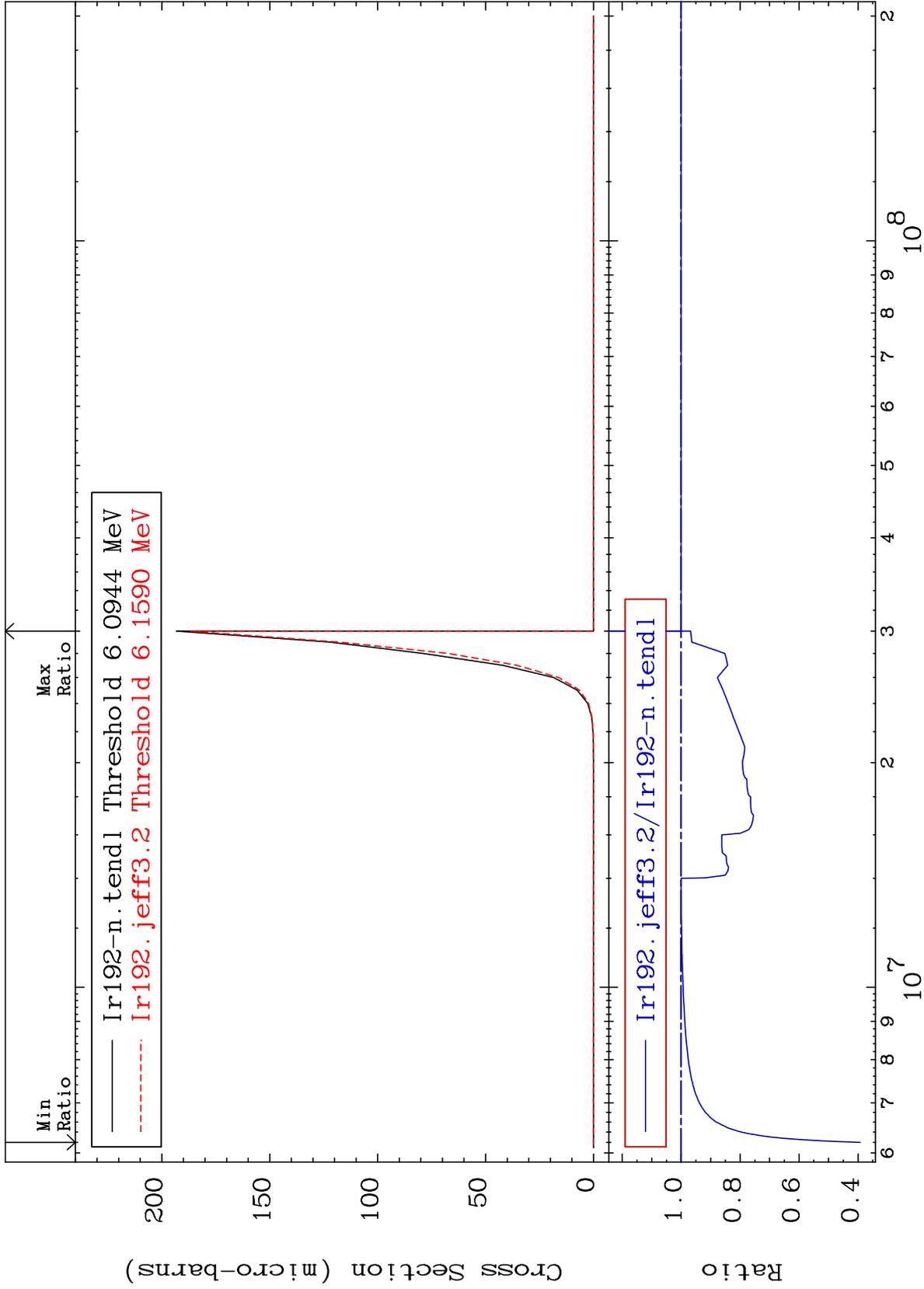
77-Ir-192
-2.208 To 1.243 %





Cross Section

-60.74 To 0.000 %



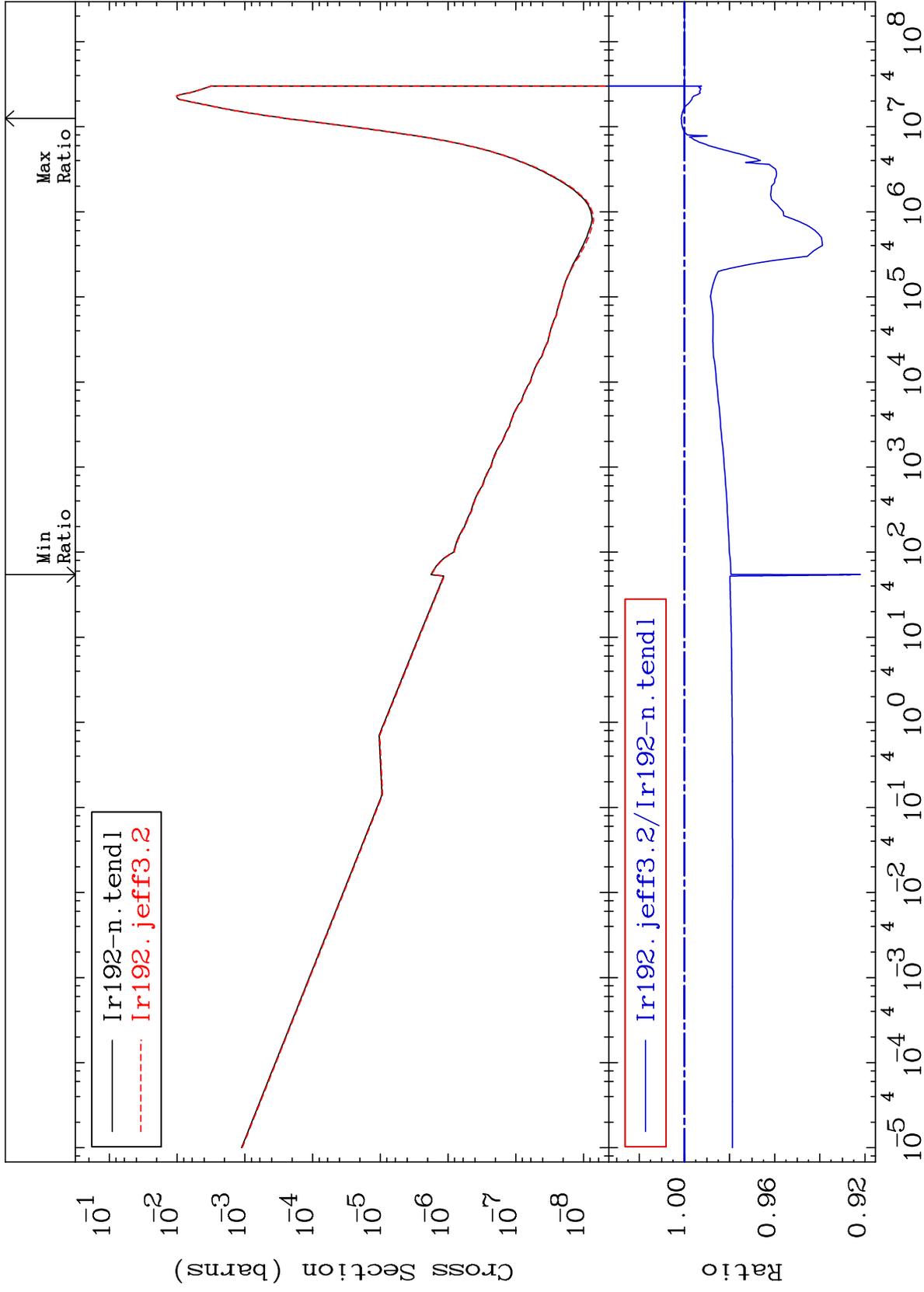
MAT 7728

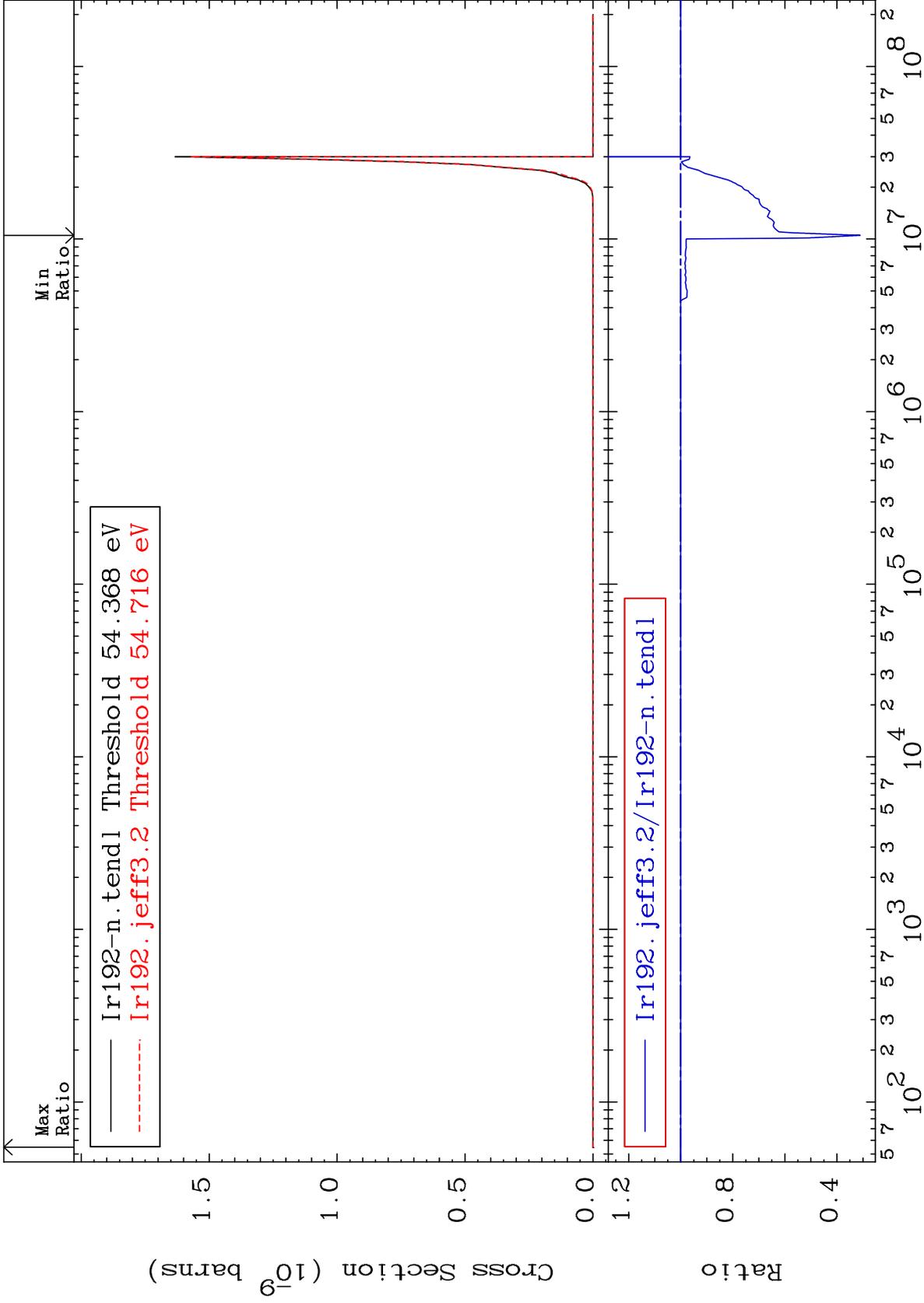
(n, α)

77-Ir-192

Cross Section

-7.789 To 0.141 %

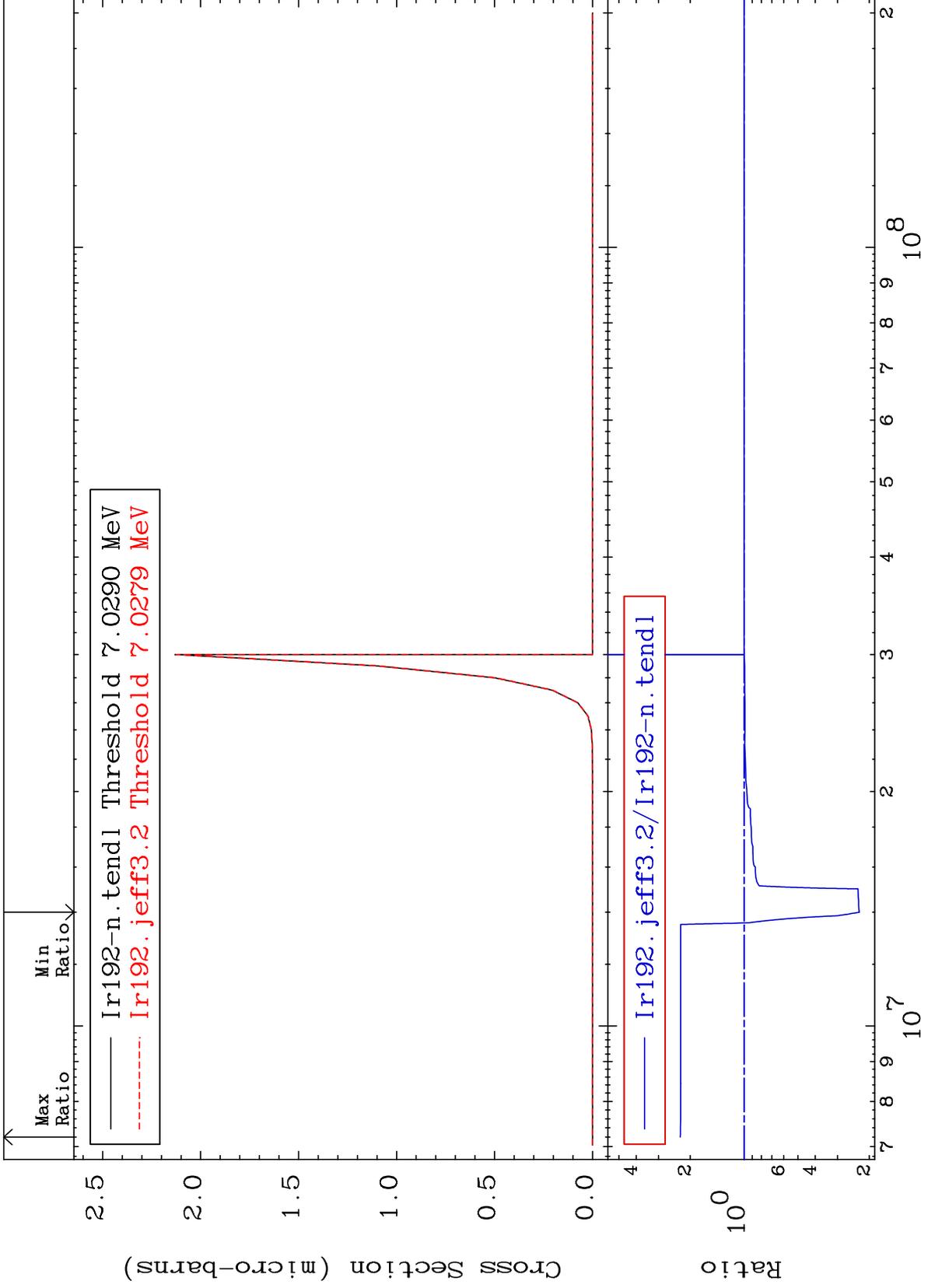




MAT 7728

(n,2p)
Cross Section

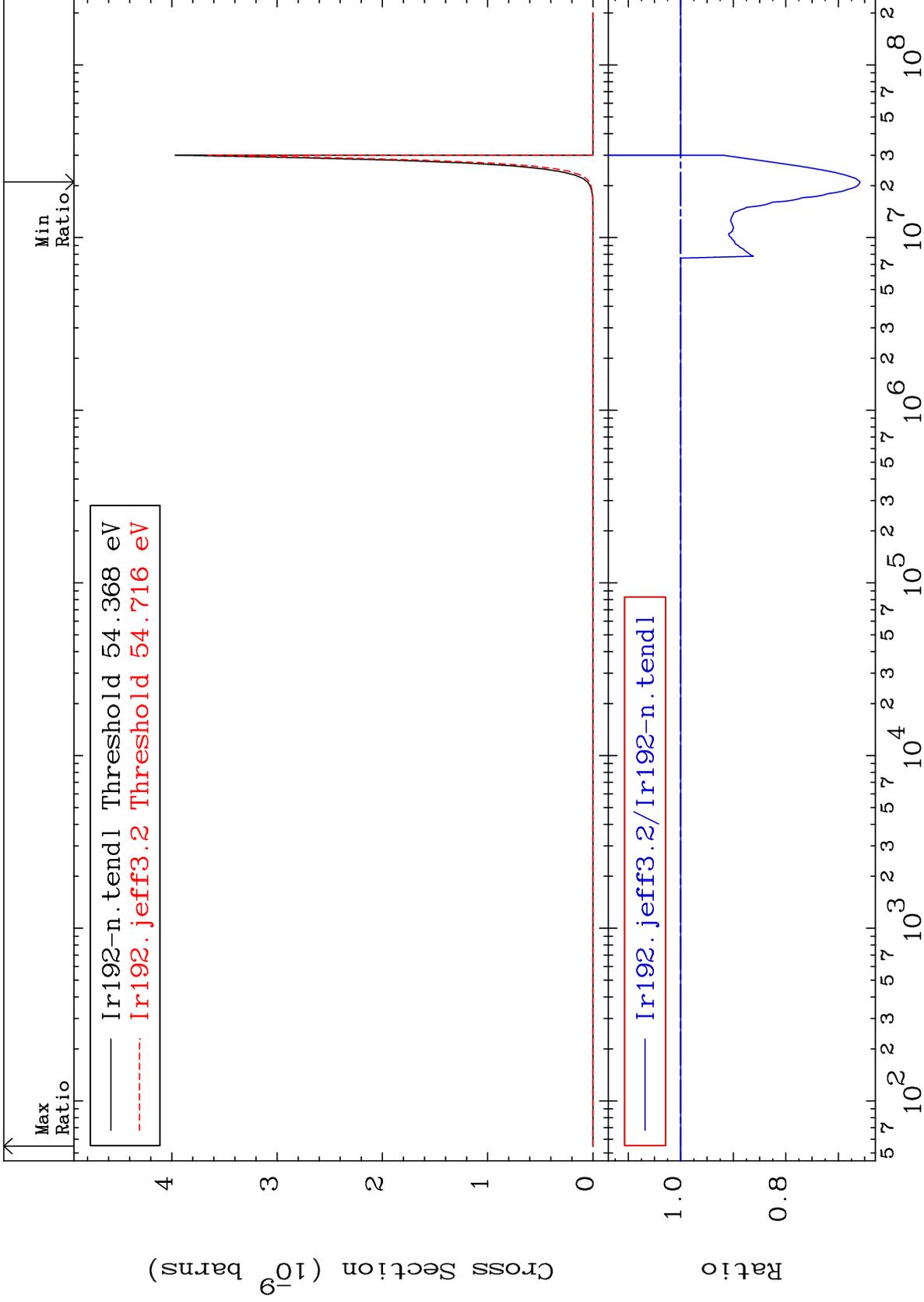
77-Ir-192
-77.34 To 127.1 %



MAT 7728

(n, p) α
Cross Section

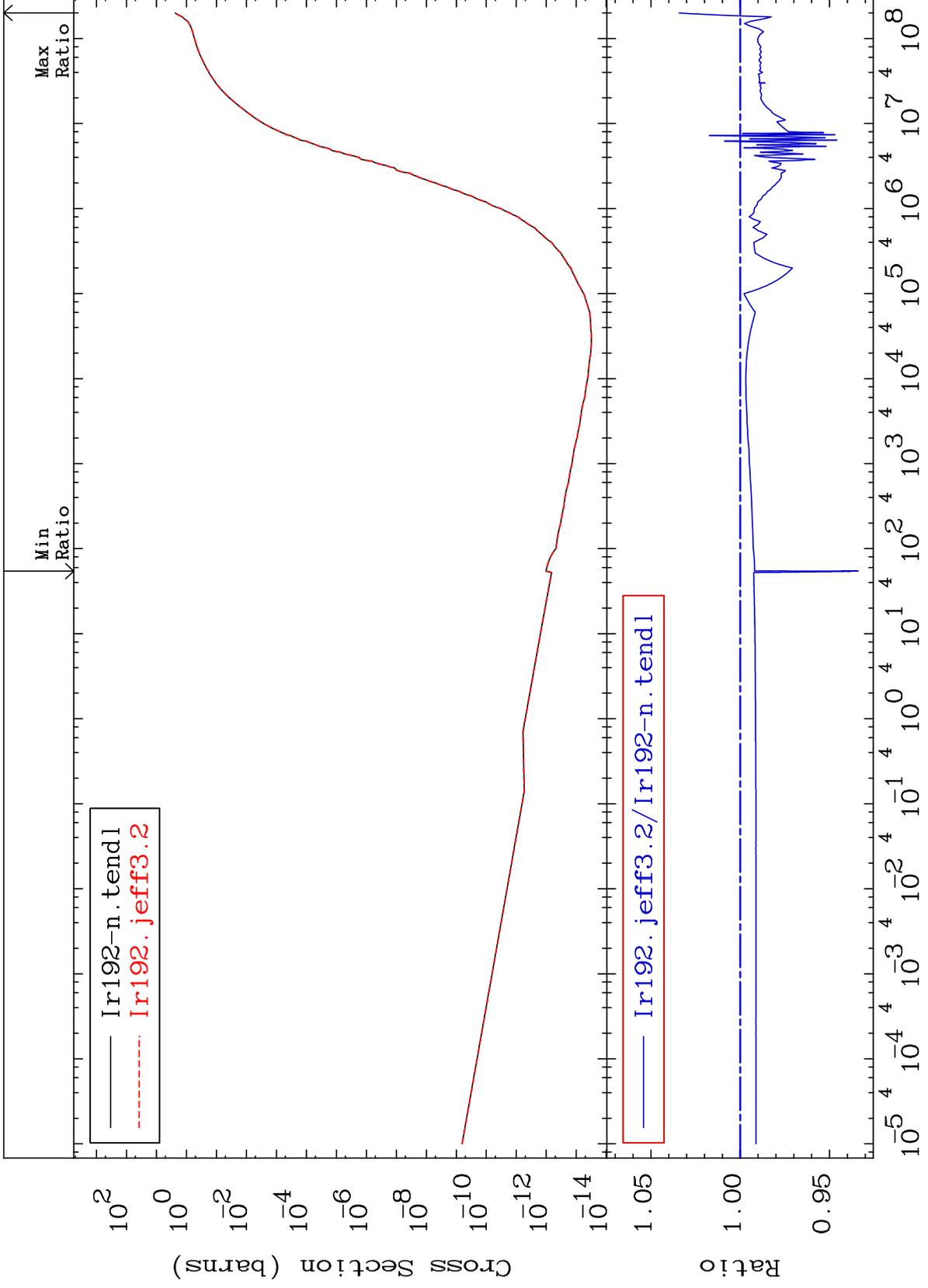
77-Ir-192
-34.13 To 0.000 %



MAT 7728

Hydrogen Production
Cross Section

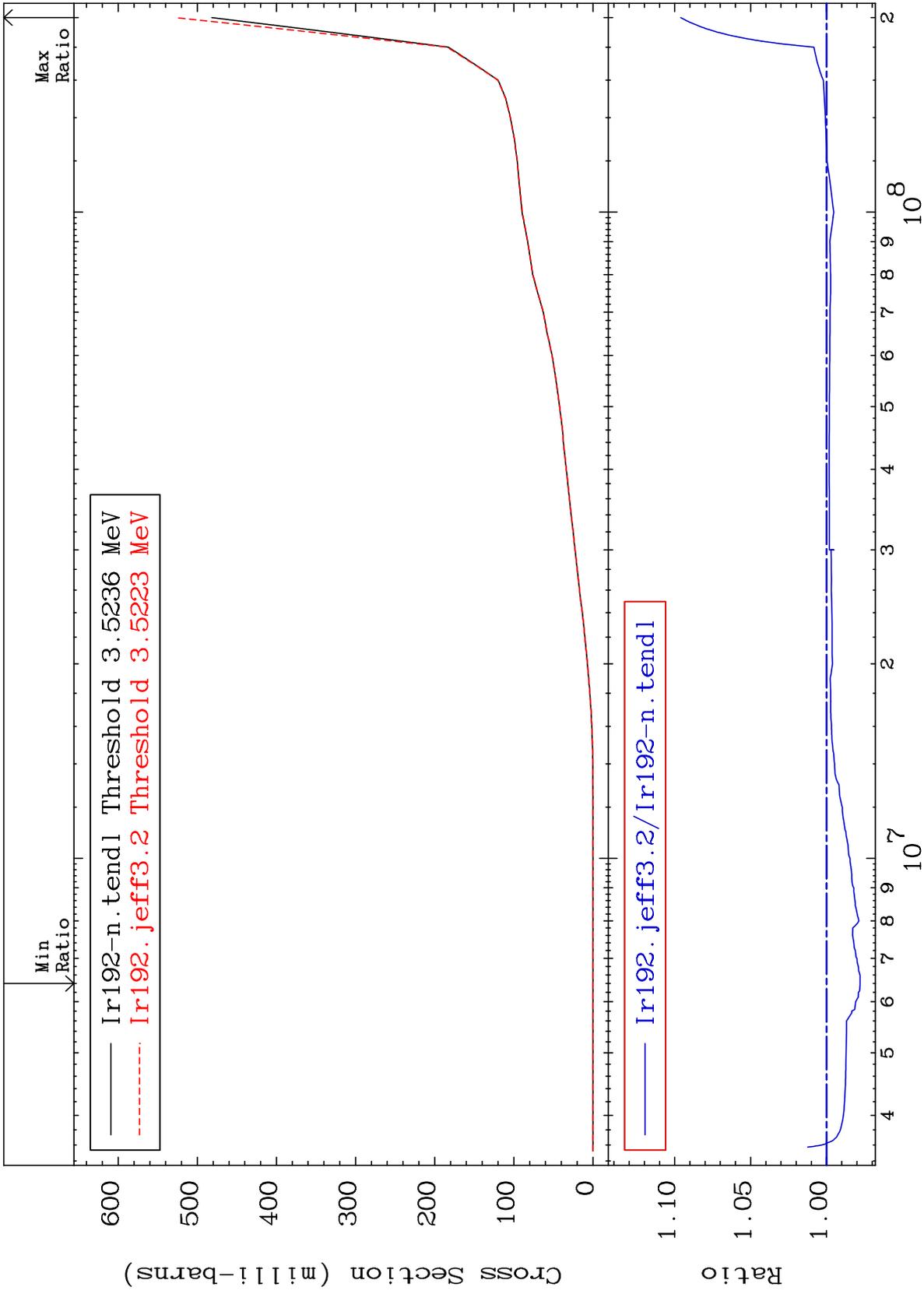
77-Ir-192
-6.598 To 3.420 %



MAT 7728

Deuterium Production
Cross Section

⁷⁷Ir-¹⁹²
-2.208 To 9.602 %



60

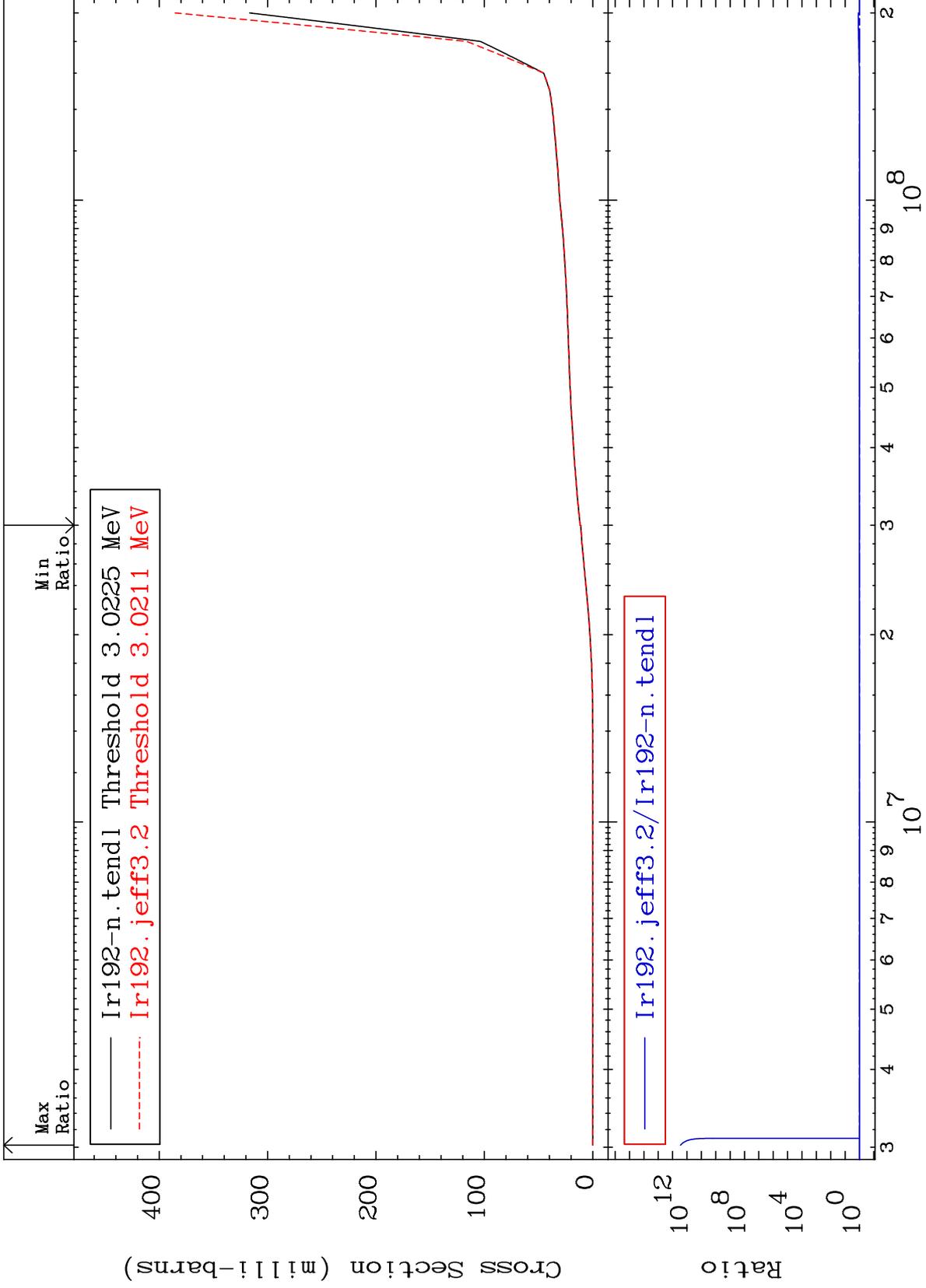
Incident Energy (eV)

⁷⁷Ir-¹⁹²

MAT 7728

Tritium Production
Cross Section

⁷⁷Ir-¹⁹²
-4.998 To 9999. %



61

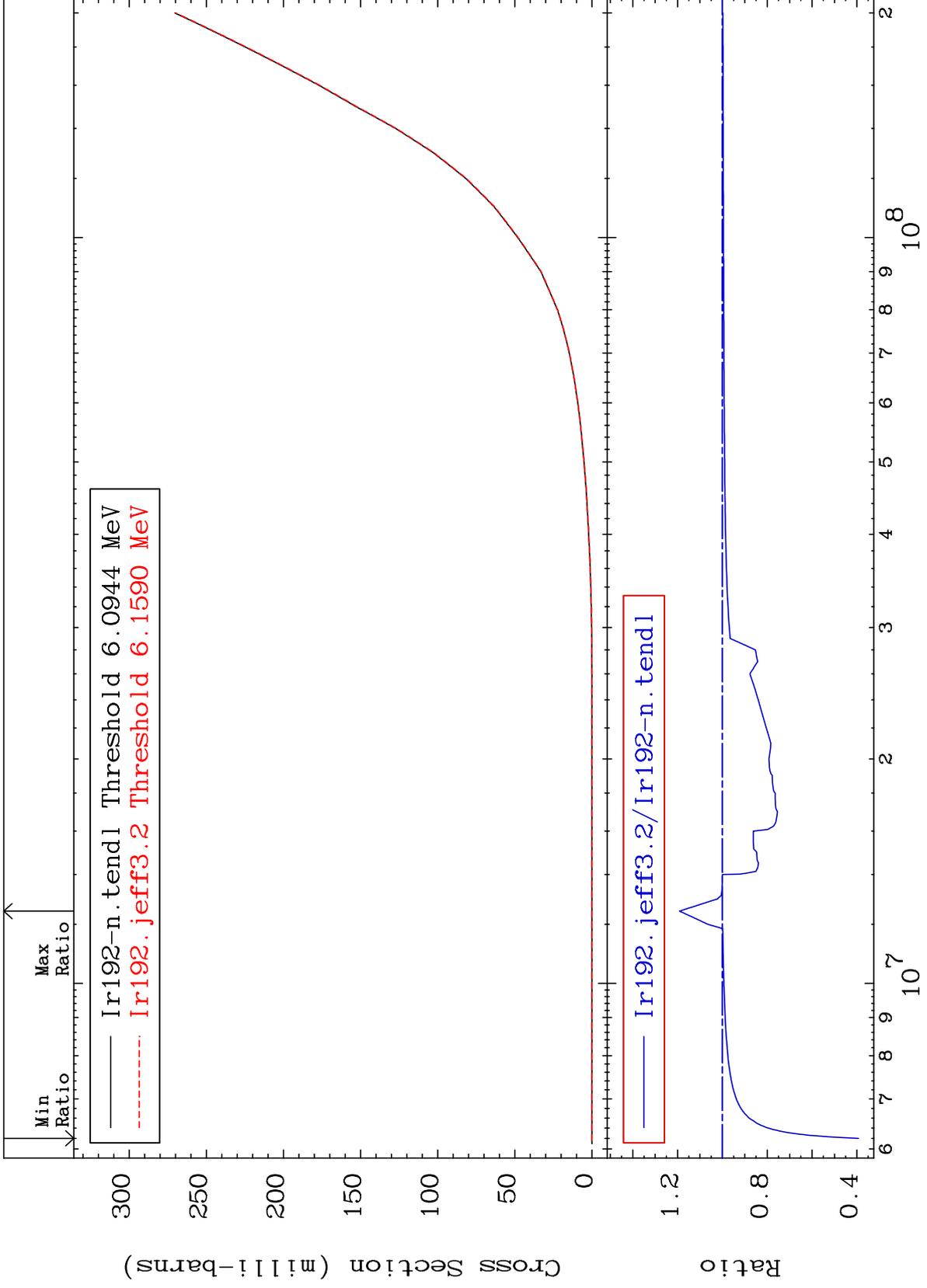
Incident Energy (eV)

⁷⁷Ir-¹⁹²

MAT 7728

He-3 Production
Cross Section

⁷⁷Ir-¹⁹²
-60.74 To 19.14 %



62

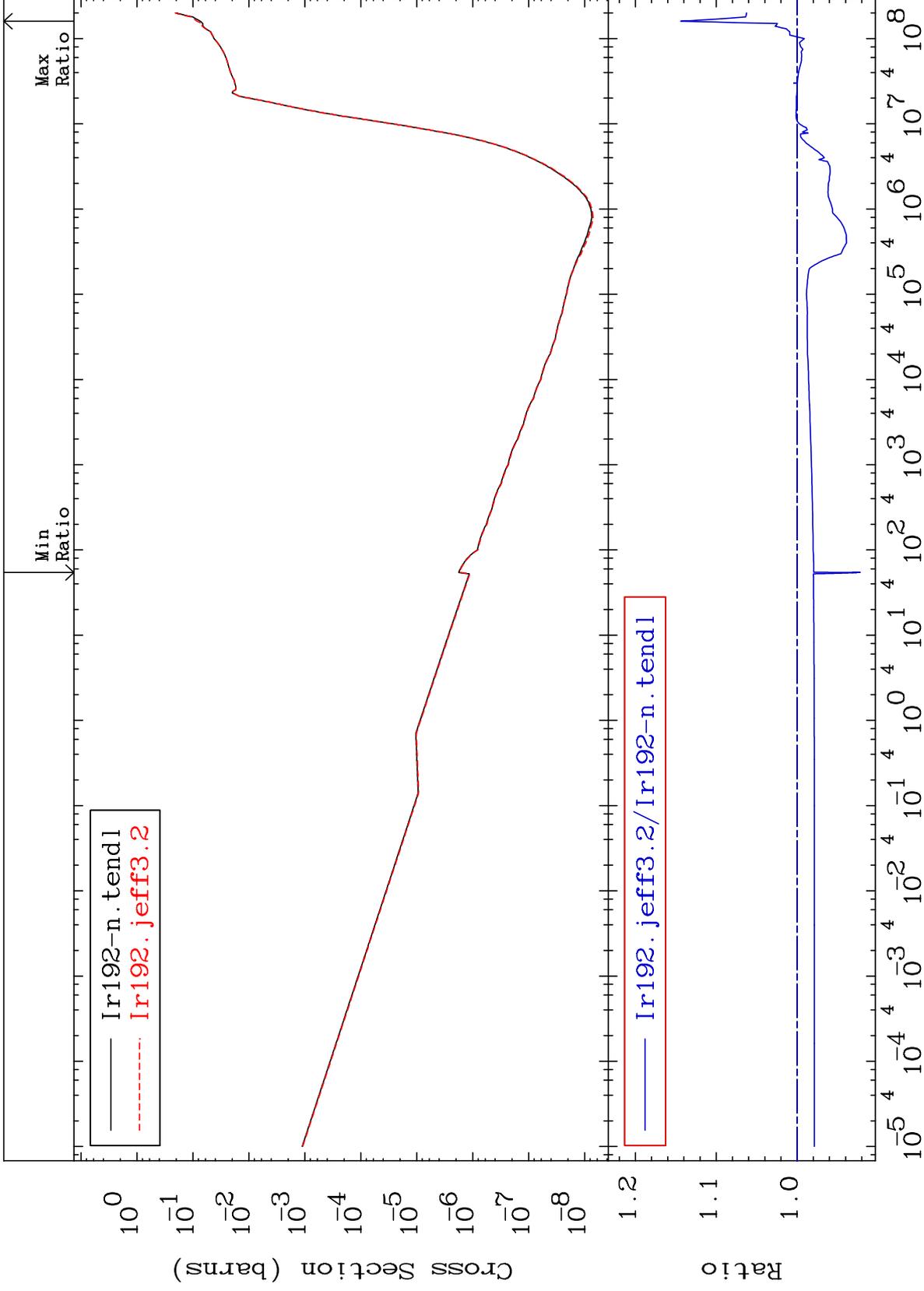
Incident Energy (eV)

⁷⁷Ir-¹⁹²

MAT 7728

He-4 Production
Cross Section

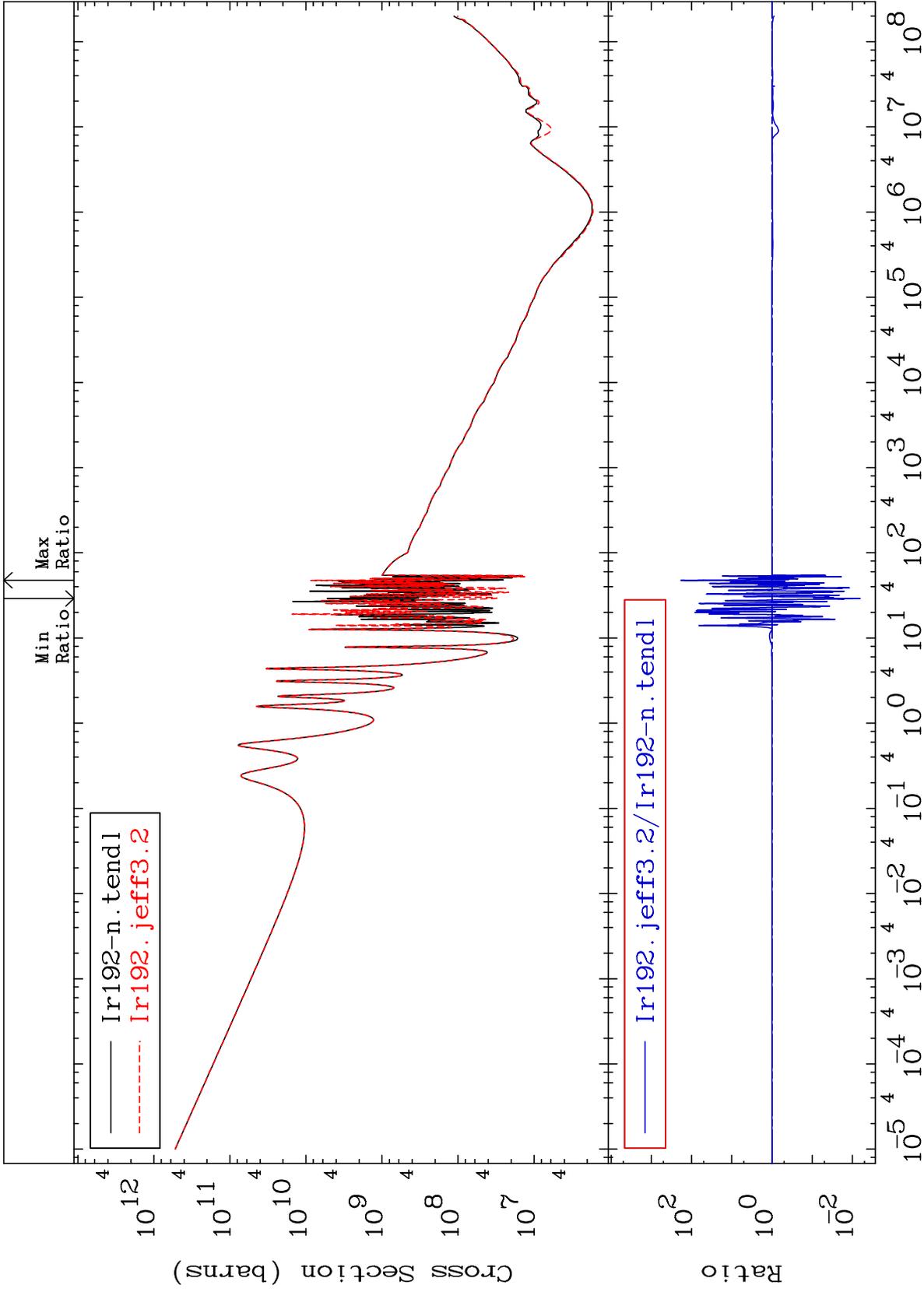
77-Ir-192
-7.789 To 14.39 %



63

Incident Energy (eV)

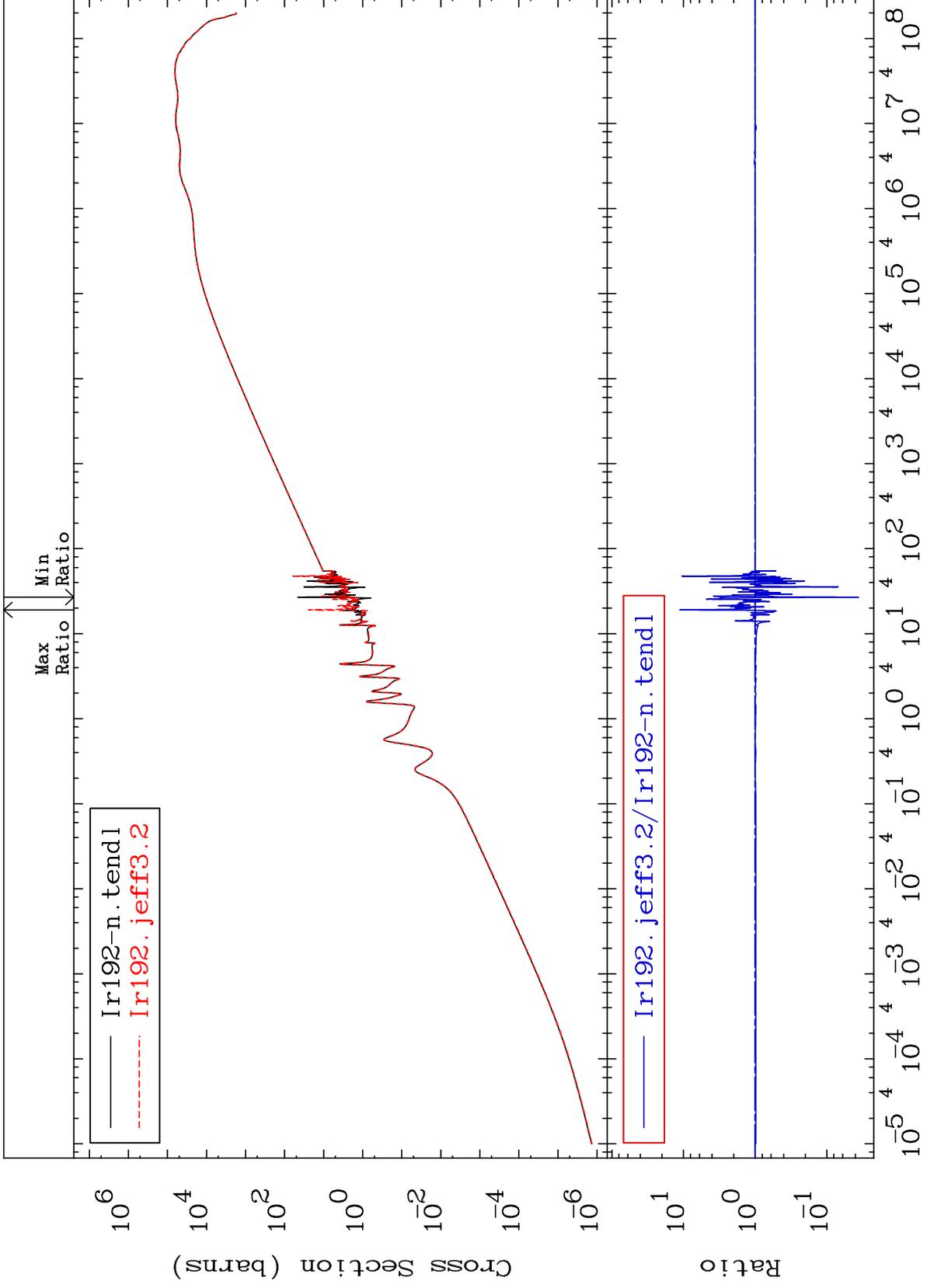
77-Ir-192

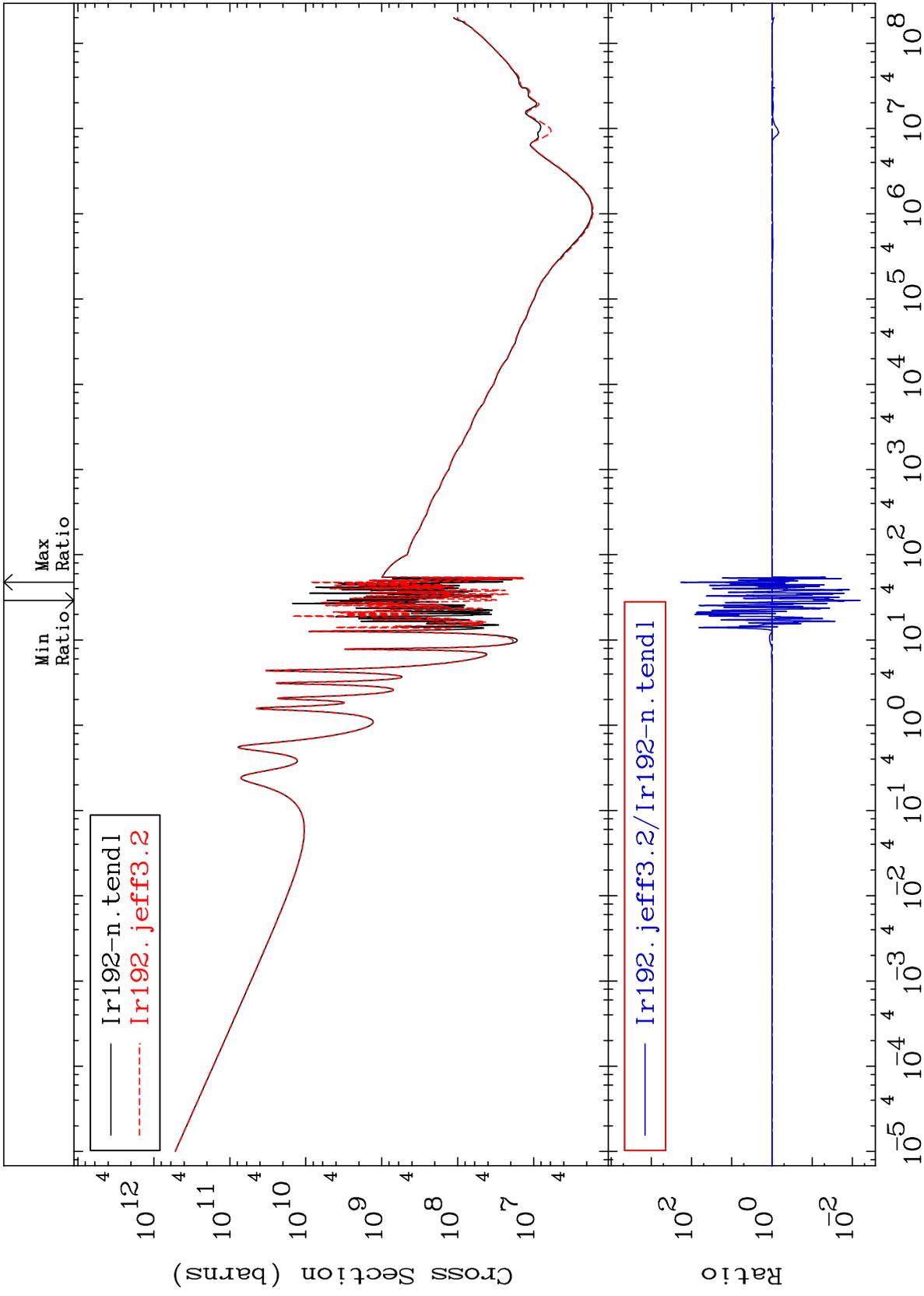


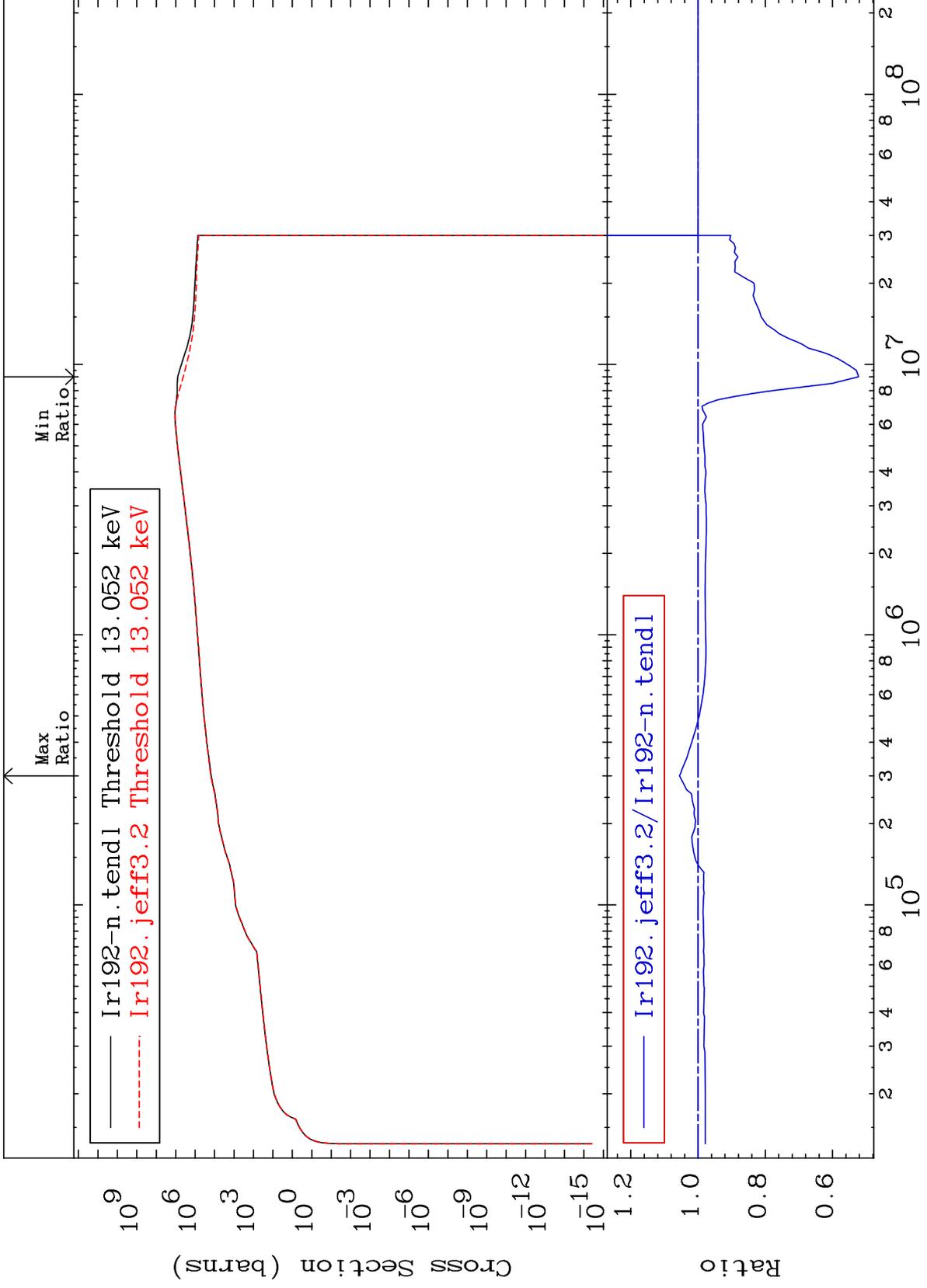
MAT 7728

Kerma elastic
Cross Section

77-Ir-192
-96.39 To 1037. %



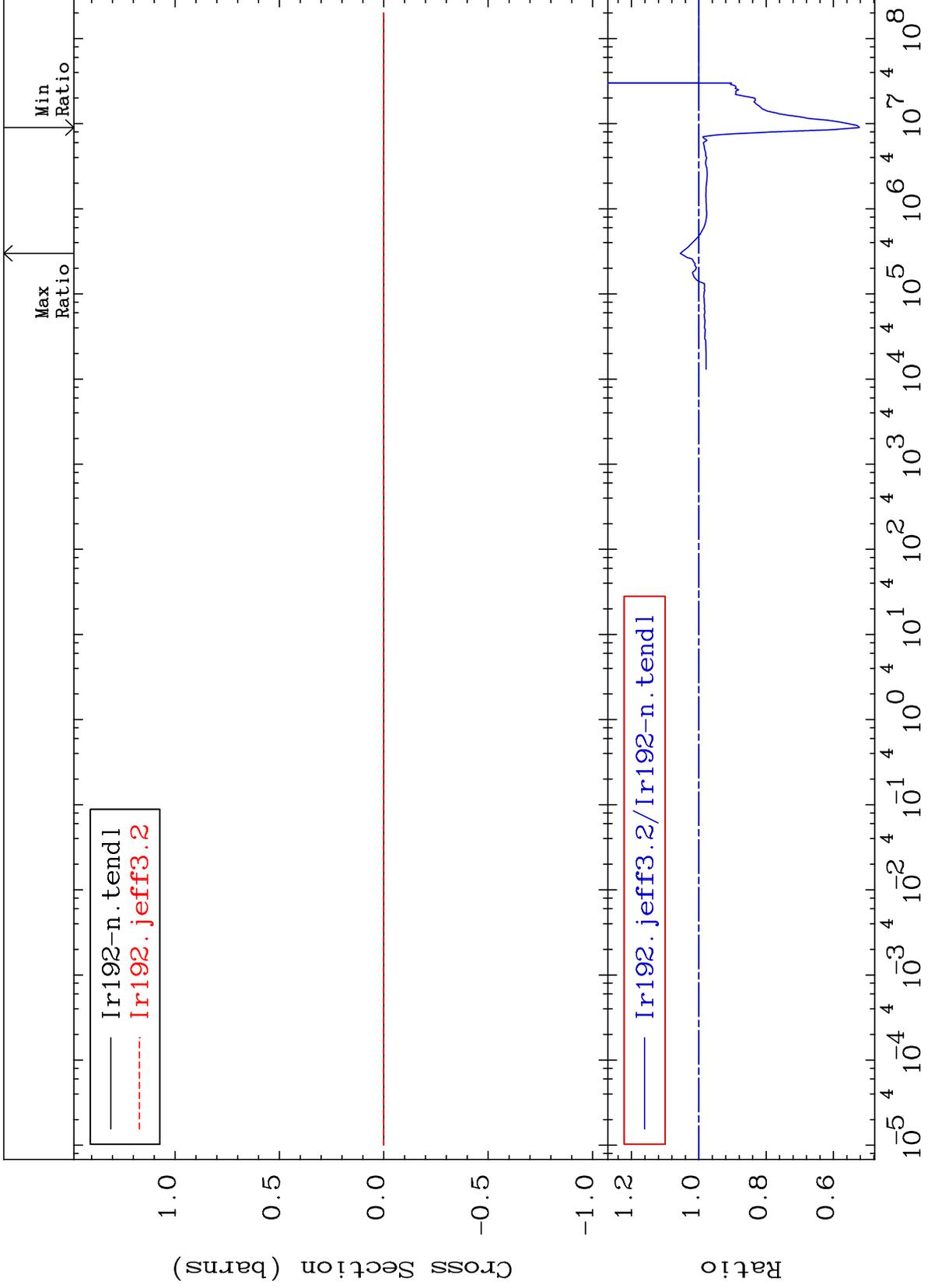




MAT 7728

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

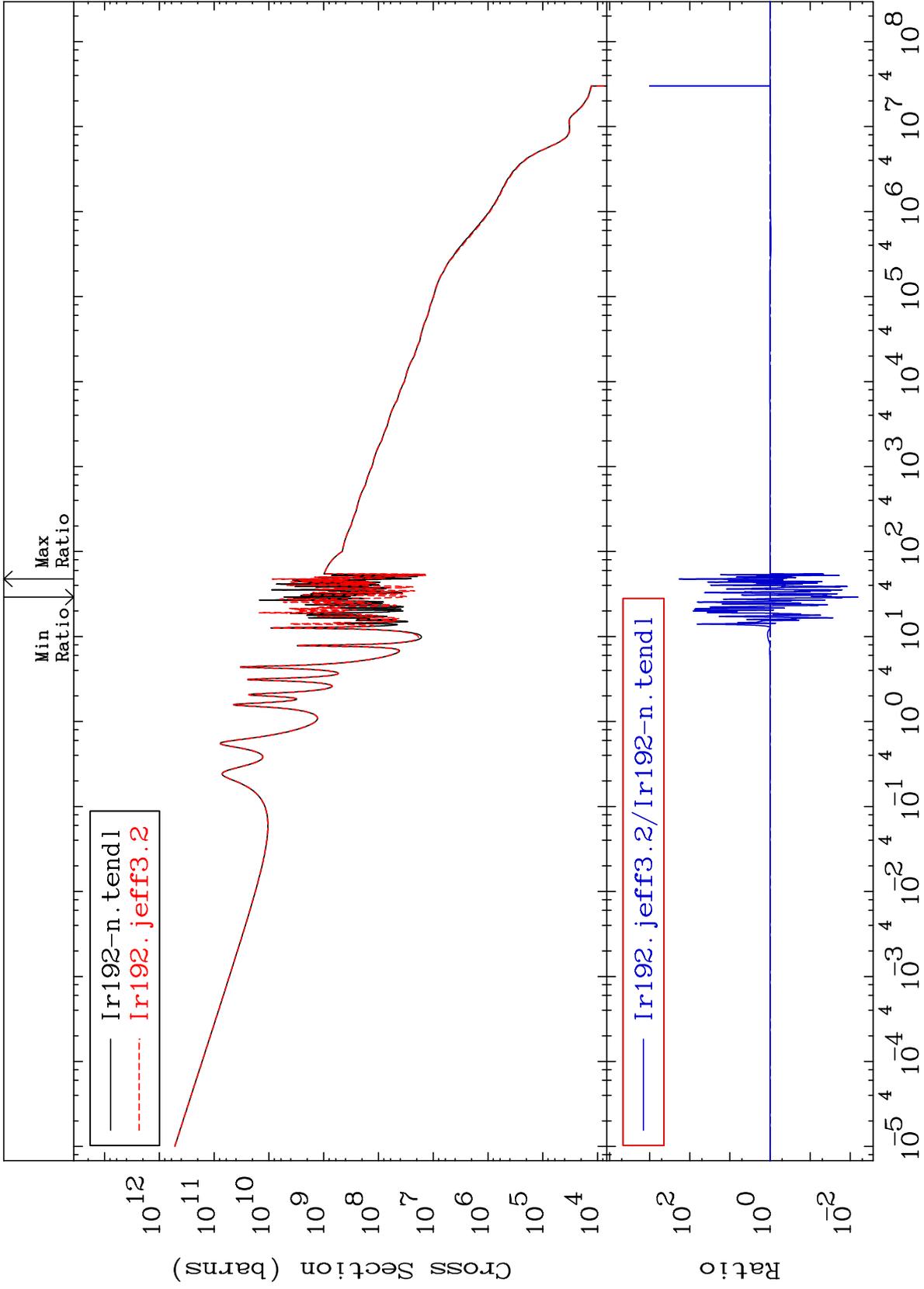
77-Ir-192
-47.75 To 5.507 %



MAT 7728

Kerma capture (mt102)
Cross Section

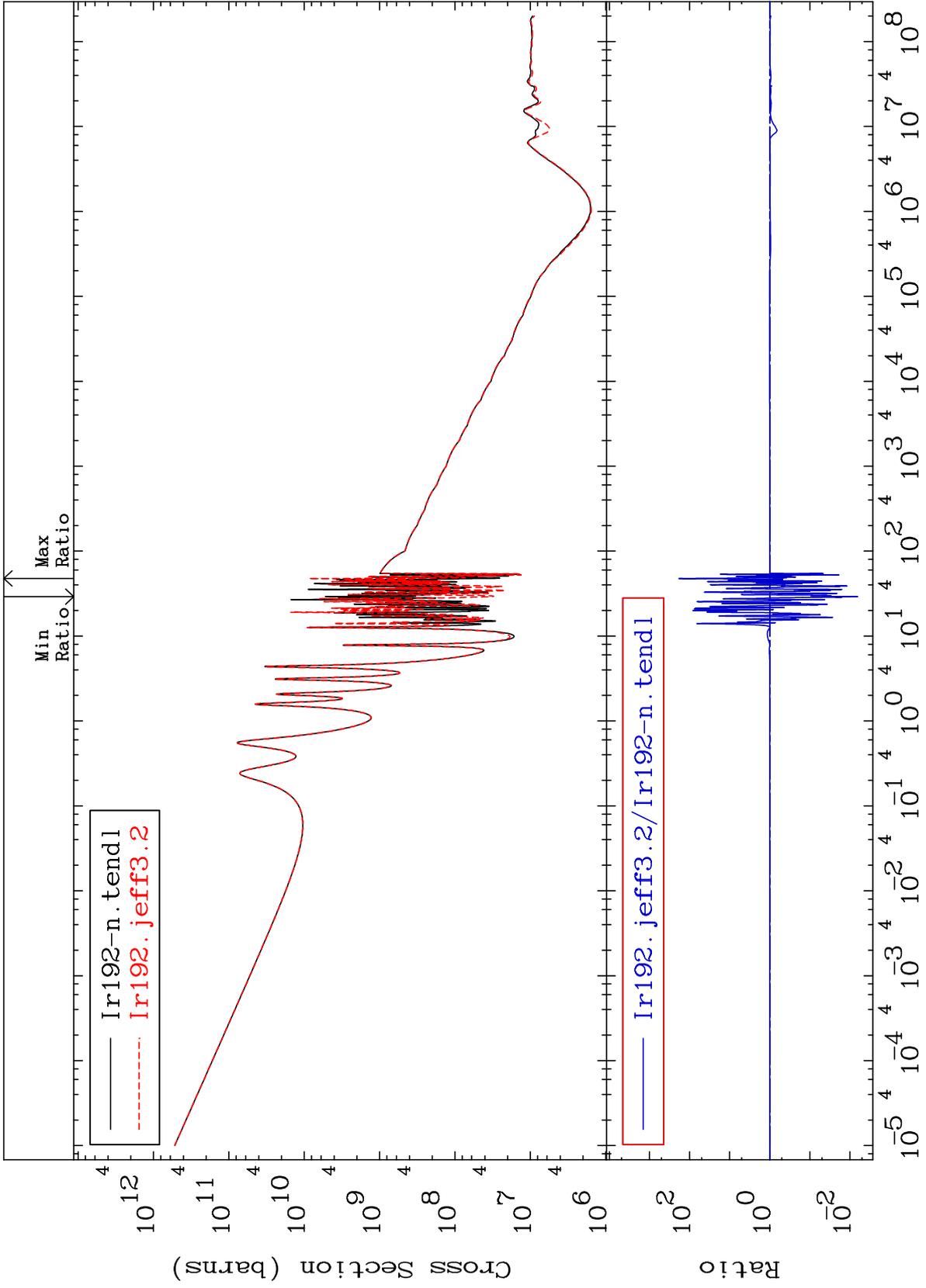
77-Ir-192
-99.36 To 9999. %



MAT 7728

Total photon (eV-barns)
Cross Section

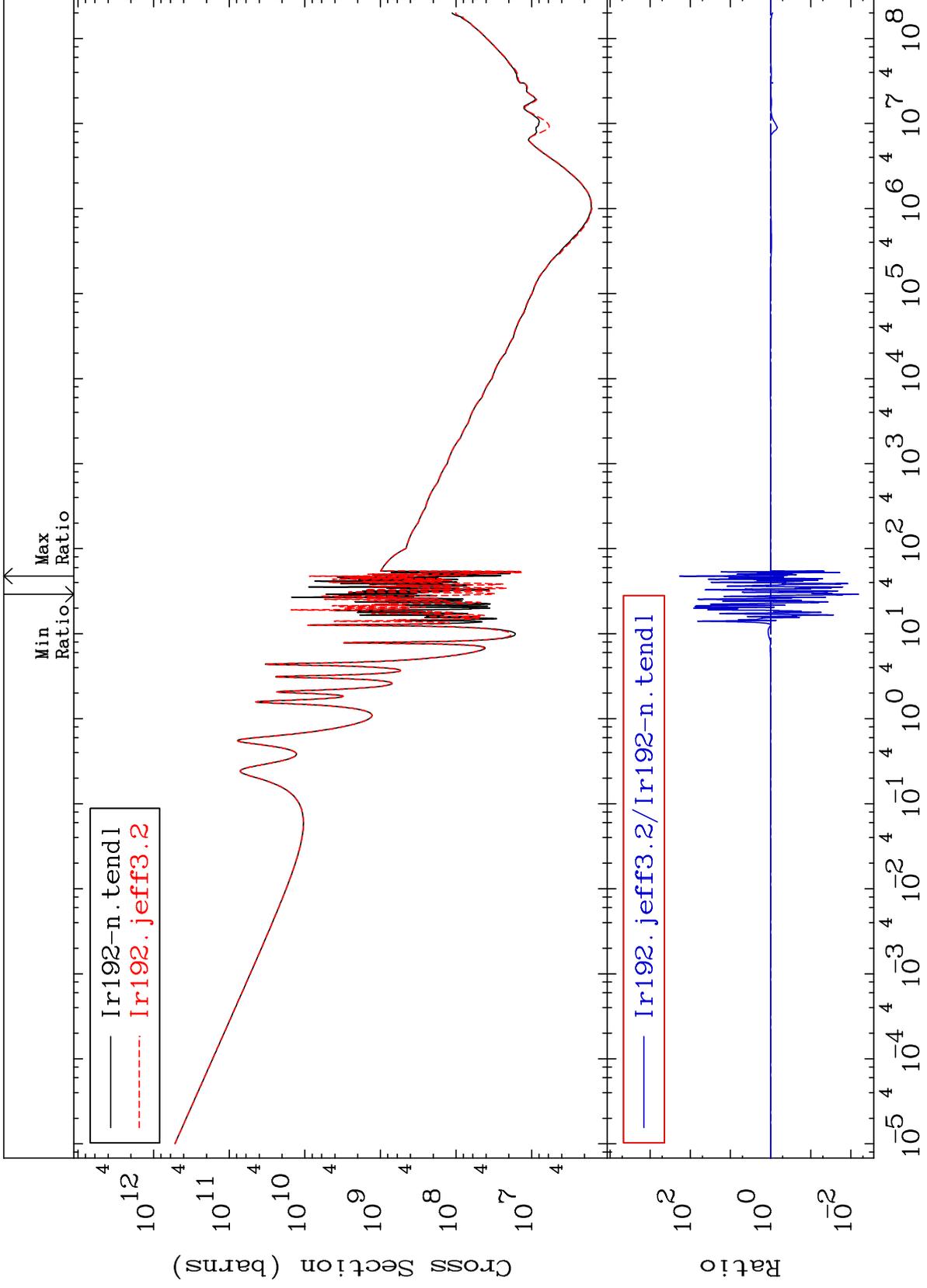
77-Ir-192
-99.36 To 9999. %



70

Incident Energy (eV)

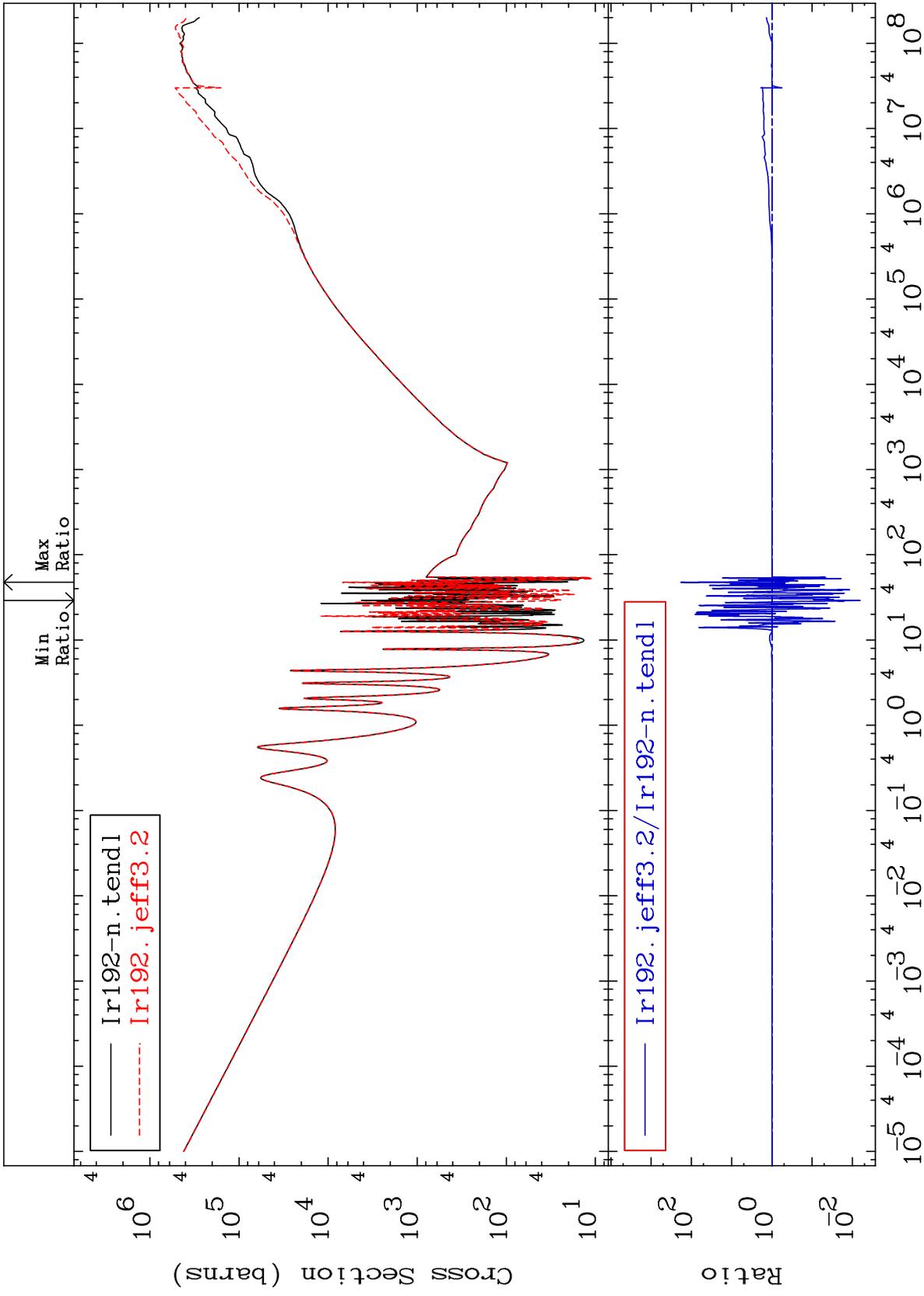
77-Ir-192



MAT 7728

Dpa total (eV-barns)
Cross Section

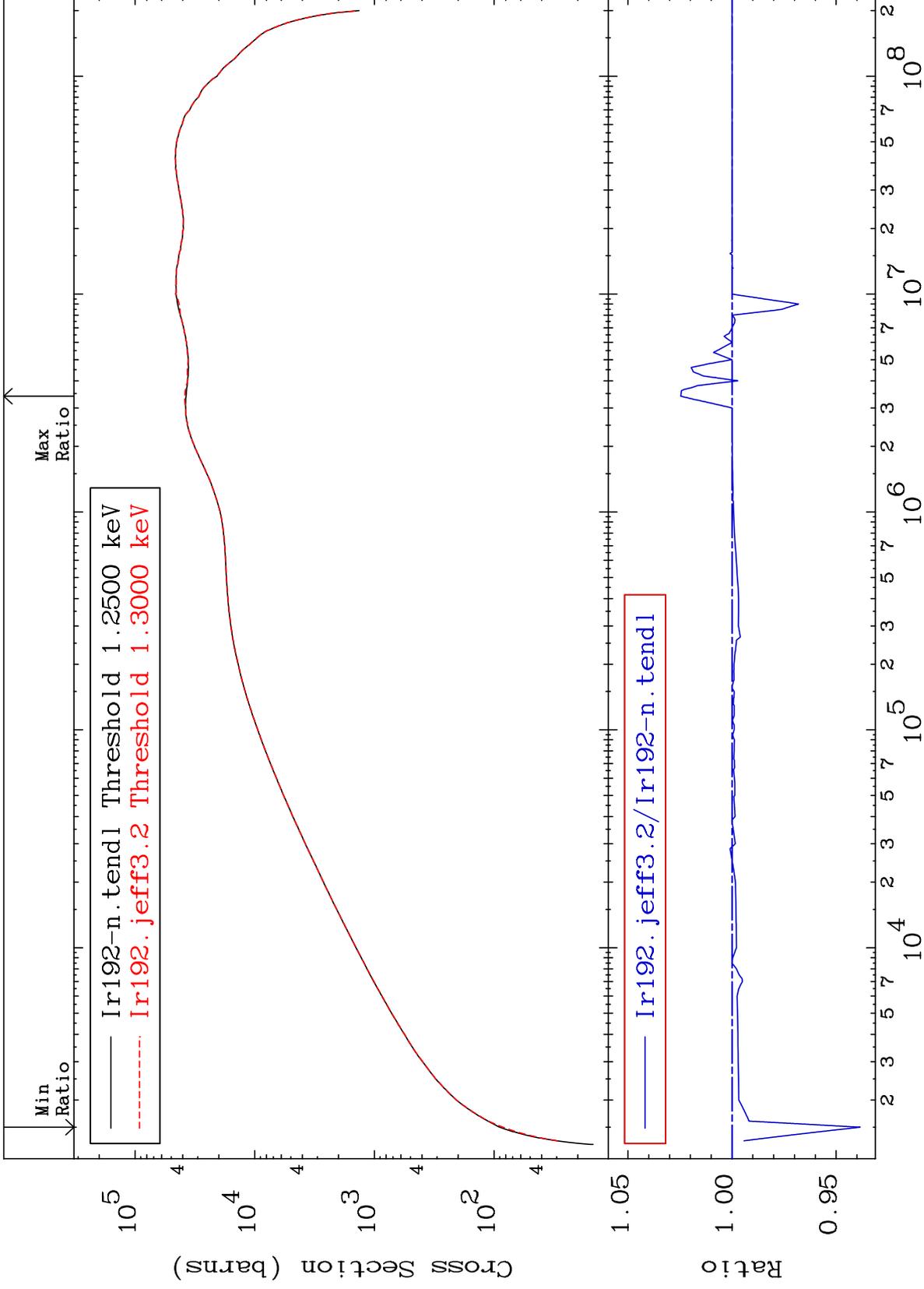
77-Ir-192
-99.36 To 9999. %



72

Incident Energy (eV)

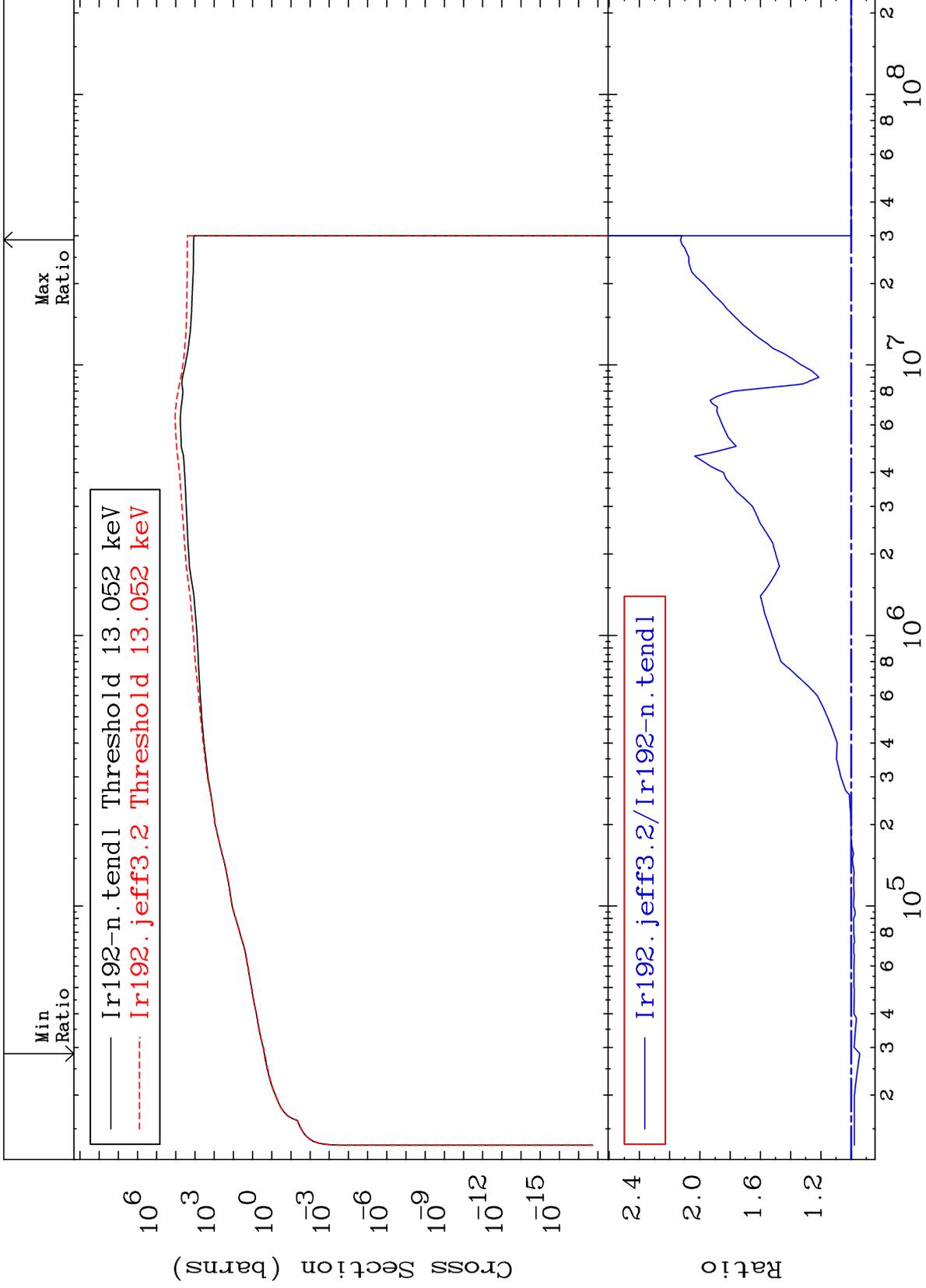
77-Ir-192

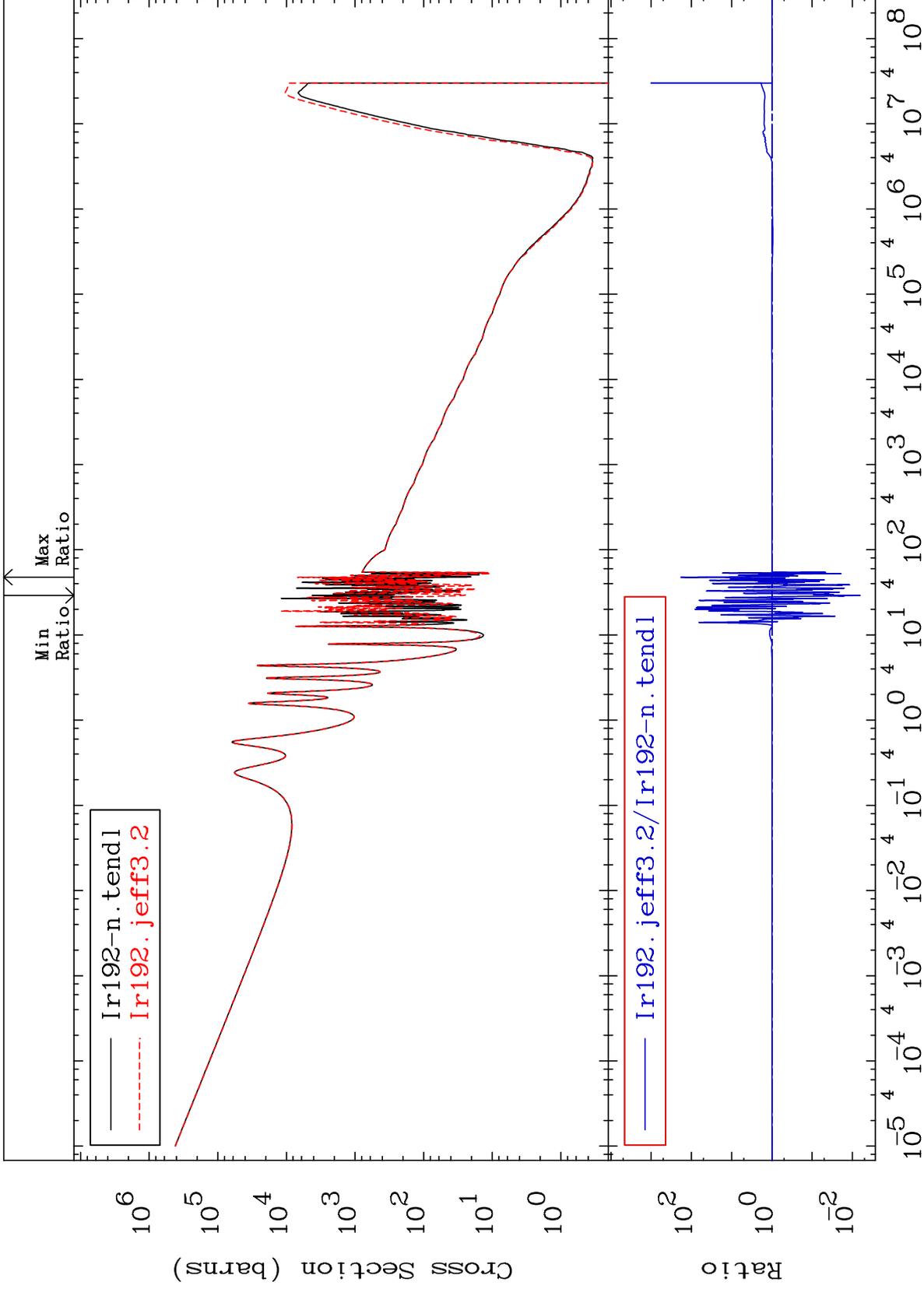


MAT 7728

Dpa inelastic (mt51-91)
Cross Section

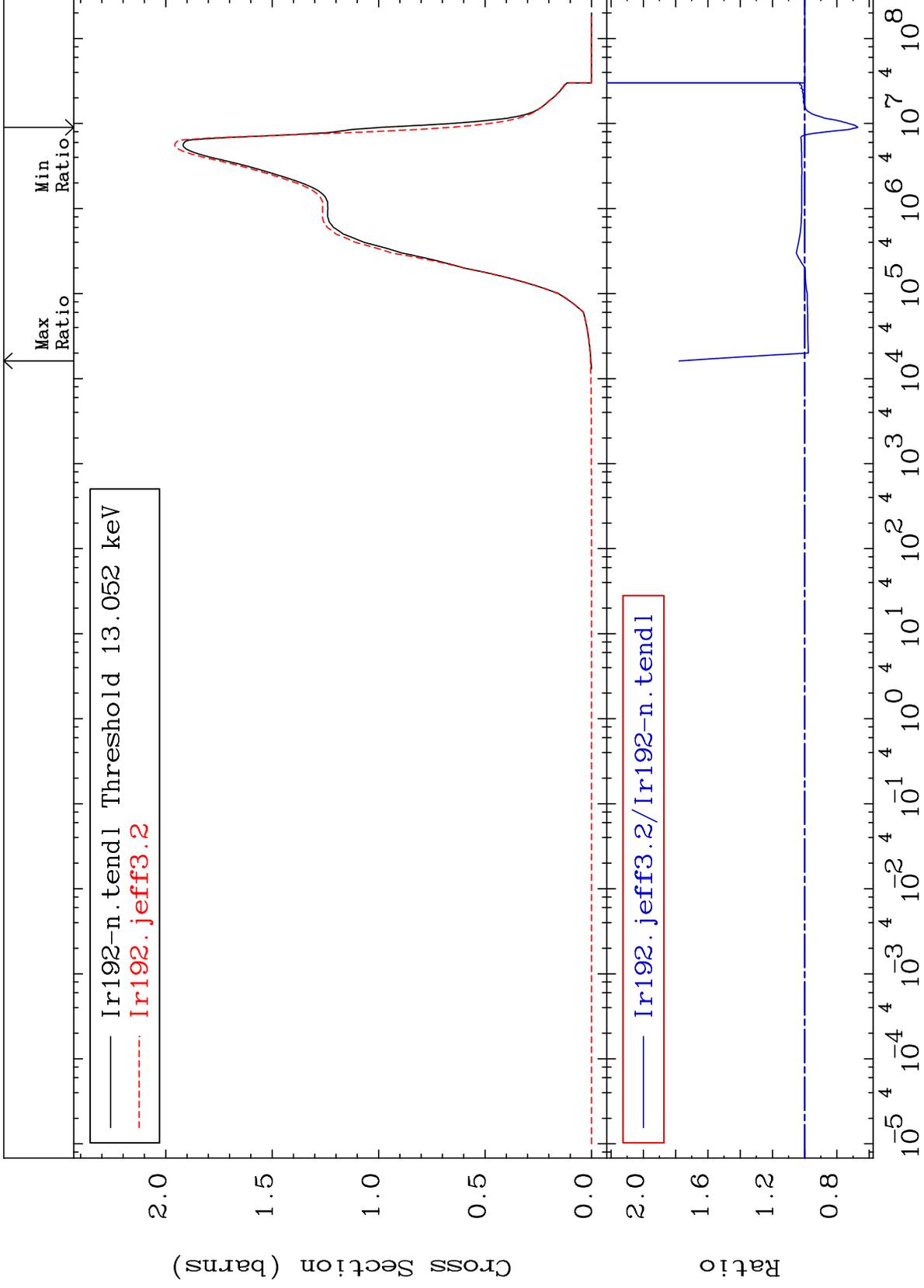
77-Ir-192
-5.717 To 112.8 %





MAT 7728

Inelastic: 77-Ir-192
Radionuclide Production Cross Section -32.98 To 77.87 %



76

Incident Energy (eV)

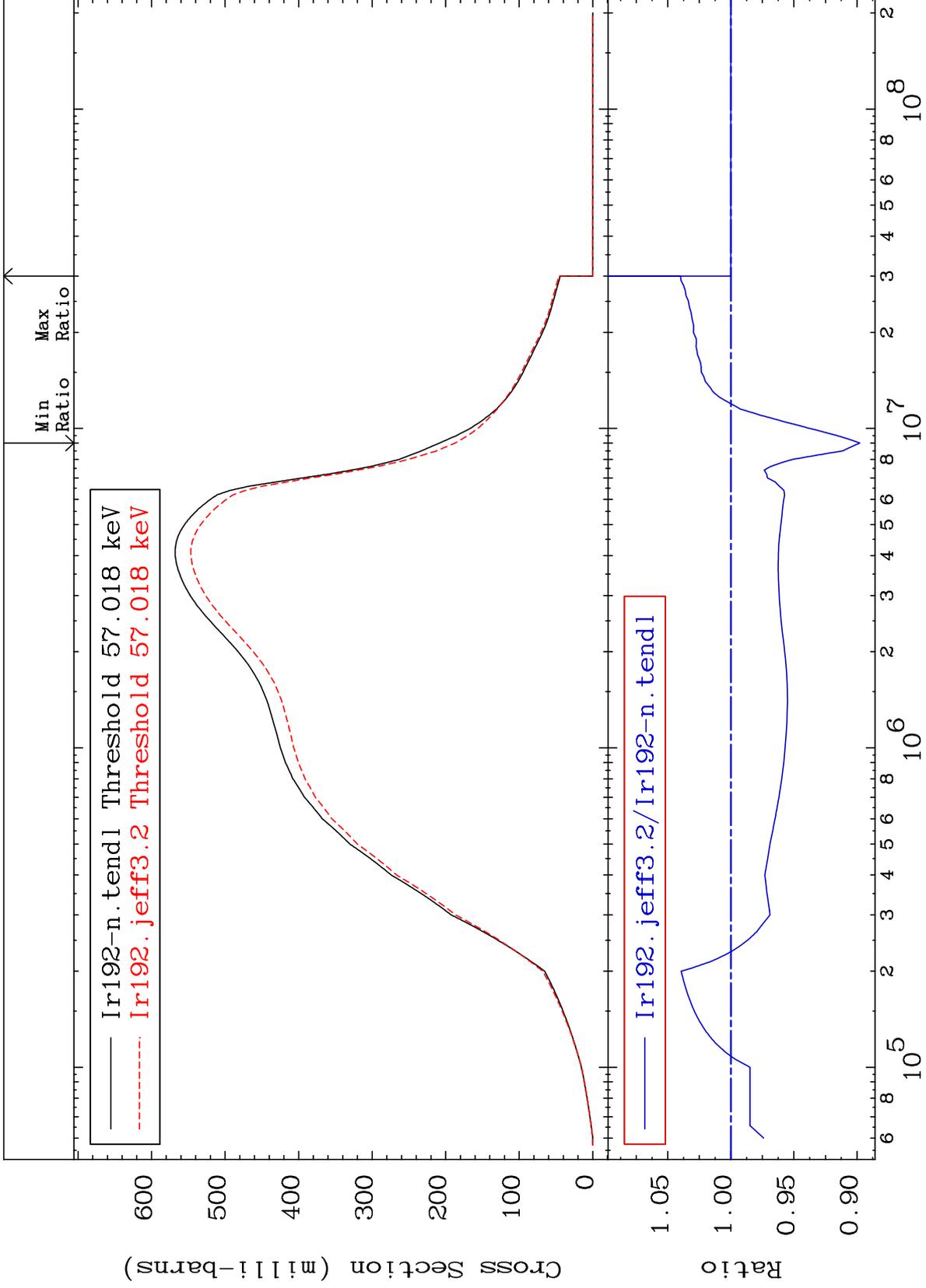
77-Ir-192

MAT 7728

Inelastic: 77-Ir-192m3

77-Ir-192

Radionuclide Production Cross Section -10.22 To 3.990 %



77

Incident Energy (eV)

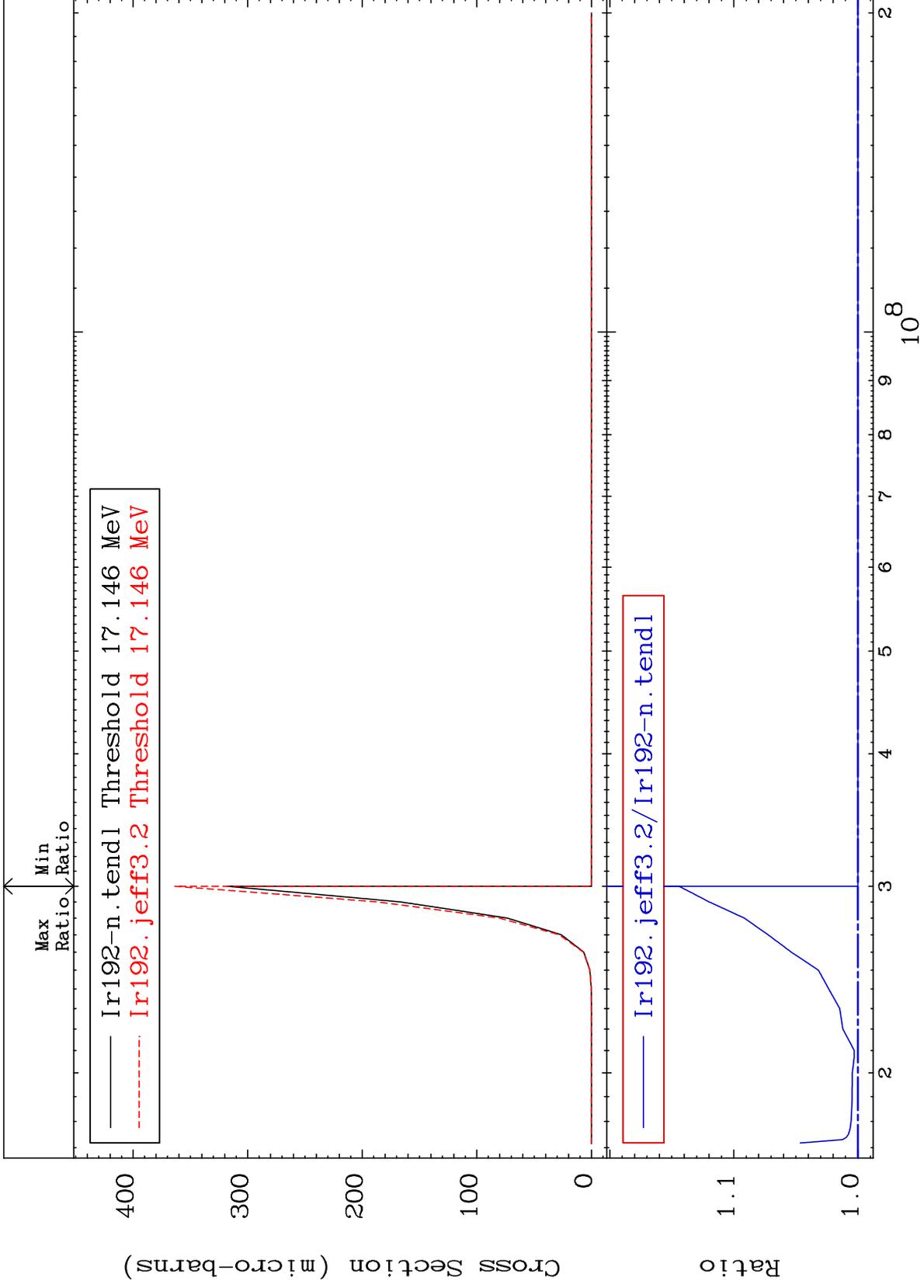
77-Ir-192

MAT 7728

(n,2n) d: 76-Os-189g

77-Ir-192
To 14.42 %

Radionuclide Production Cross Section 0.000

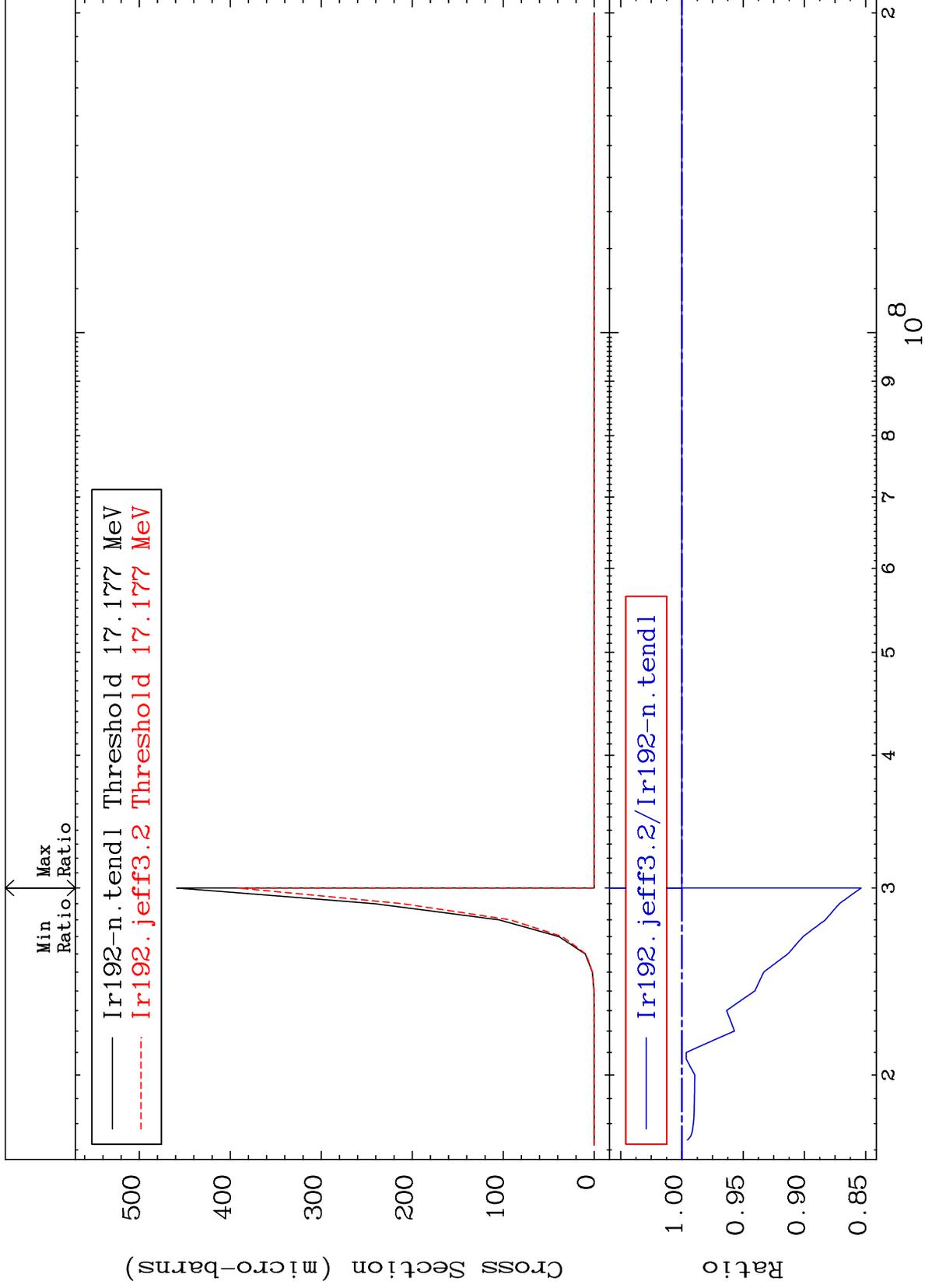


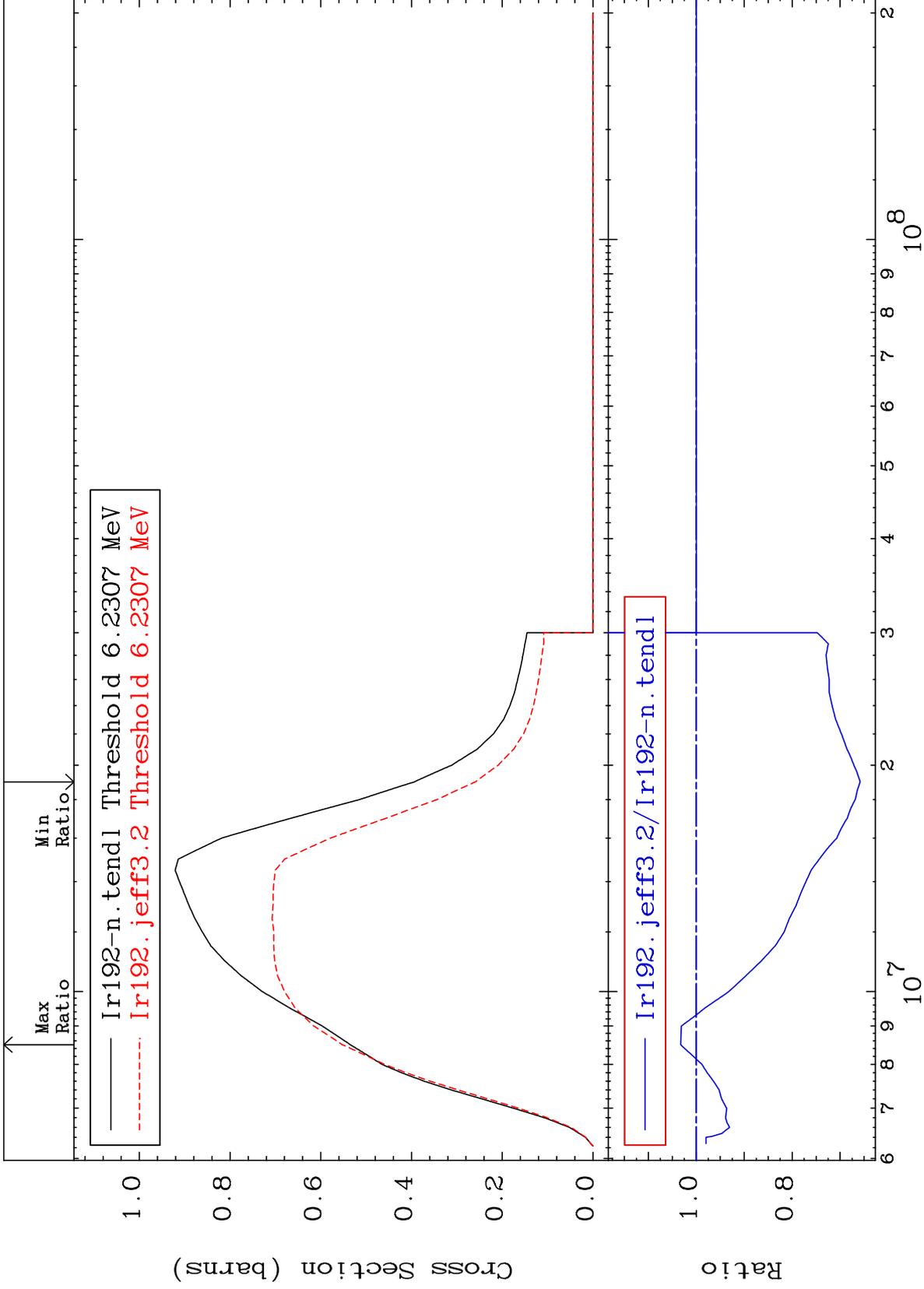
78

Incident Energy (eV)

77-Ir-192

Radionuclide Production Cross Section -14.63 To 0.000 %

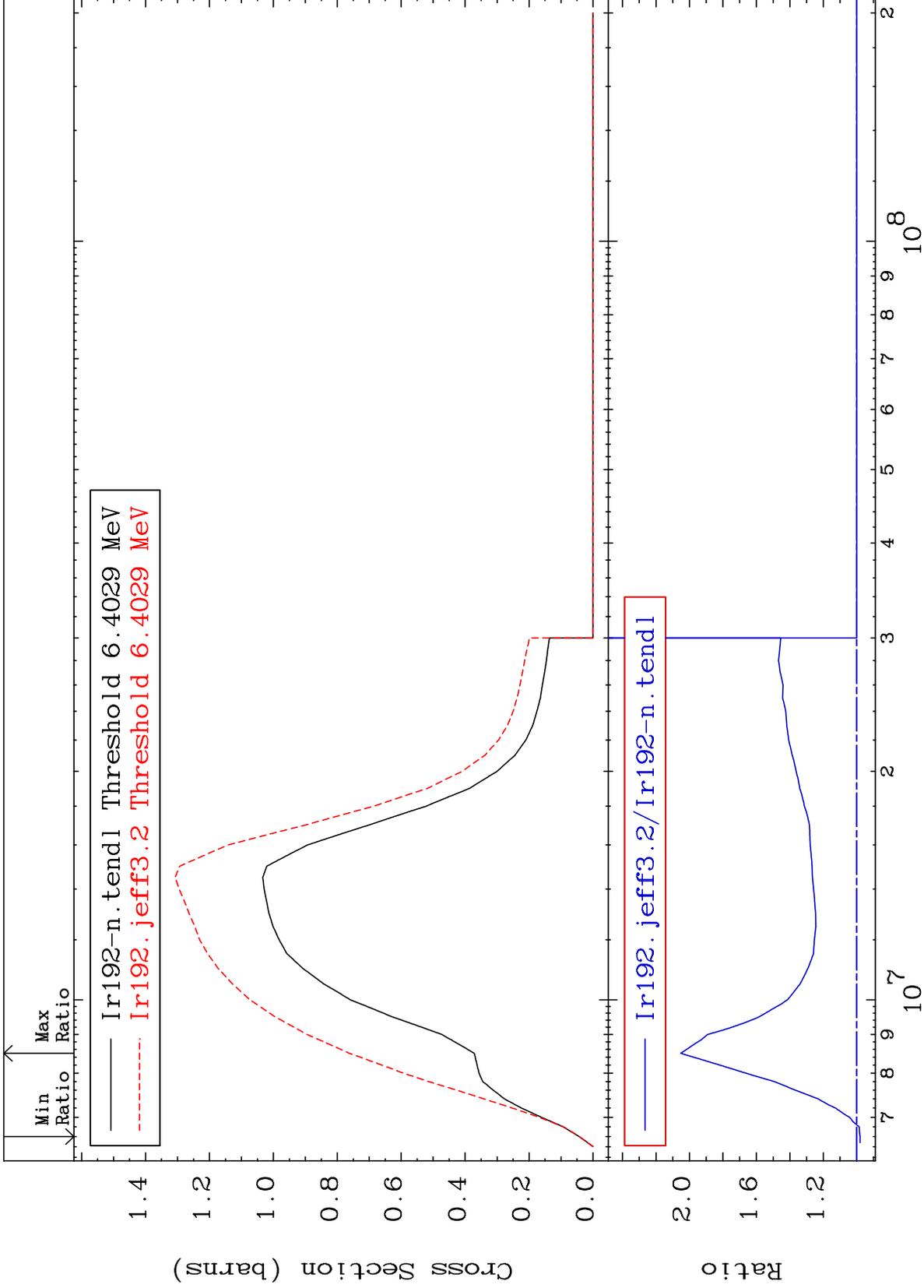


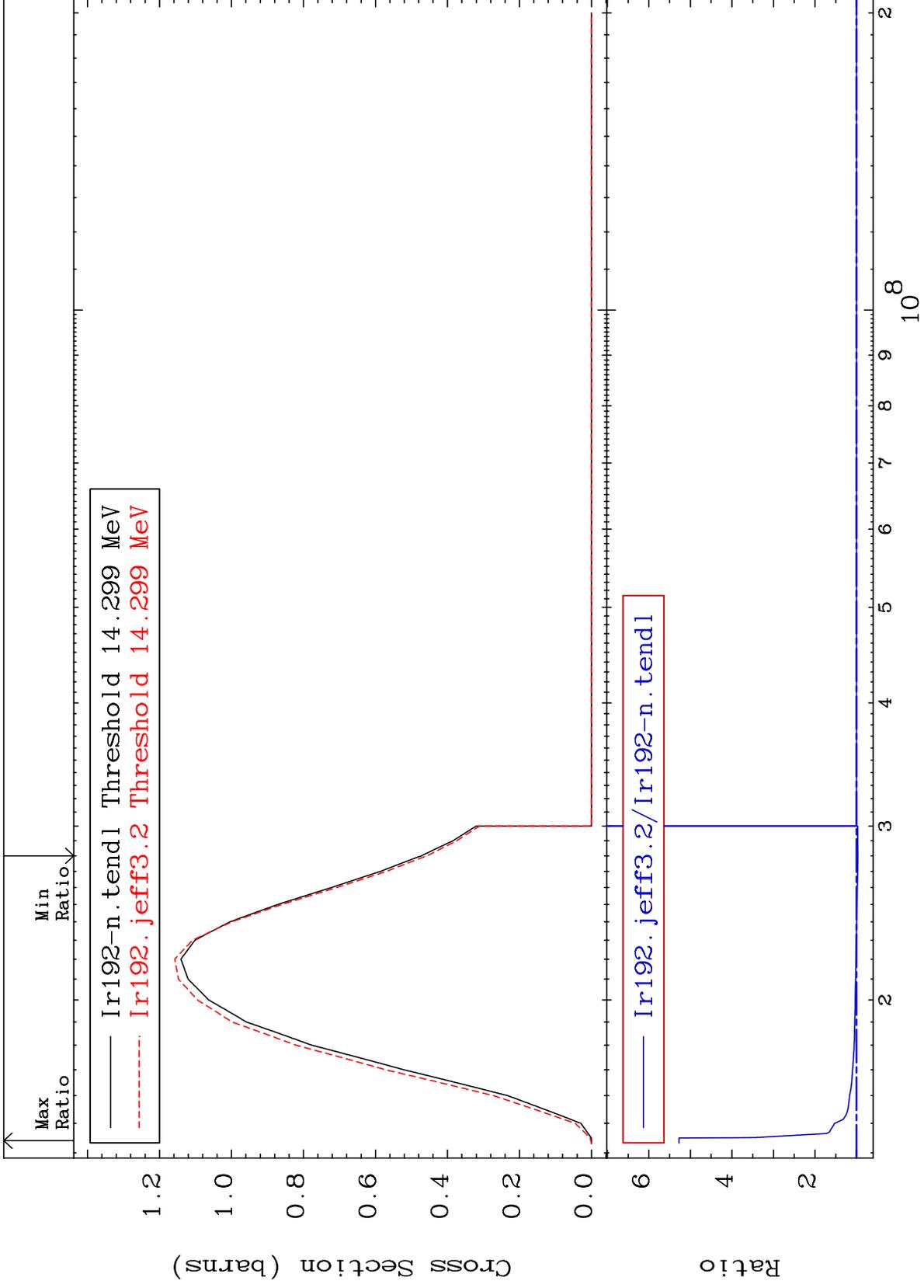


— Ir192-n.tendl Threshold 6.2307 MeV
- - - Ir192.jeff3.2 Threshold 6.2307 MeV

— Ir192.jeff3.2/Ir192-n.tendl

Radionuclide Production Cross Section -1.959 To 105.2 %



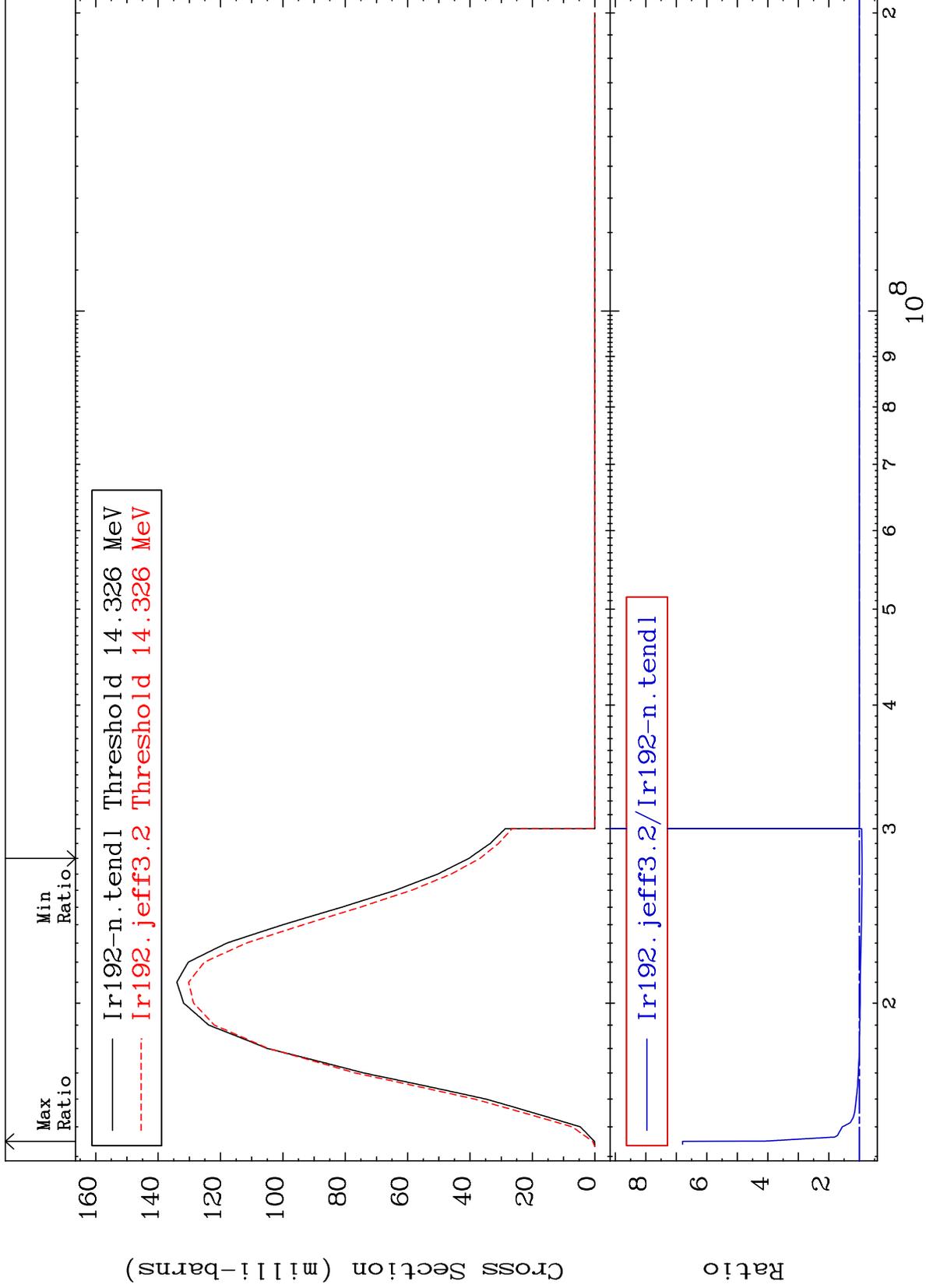


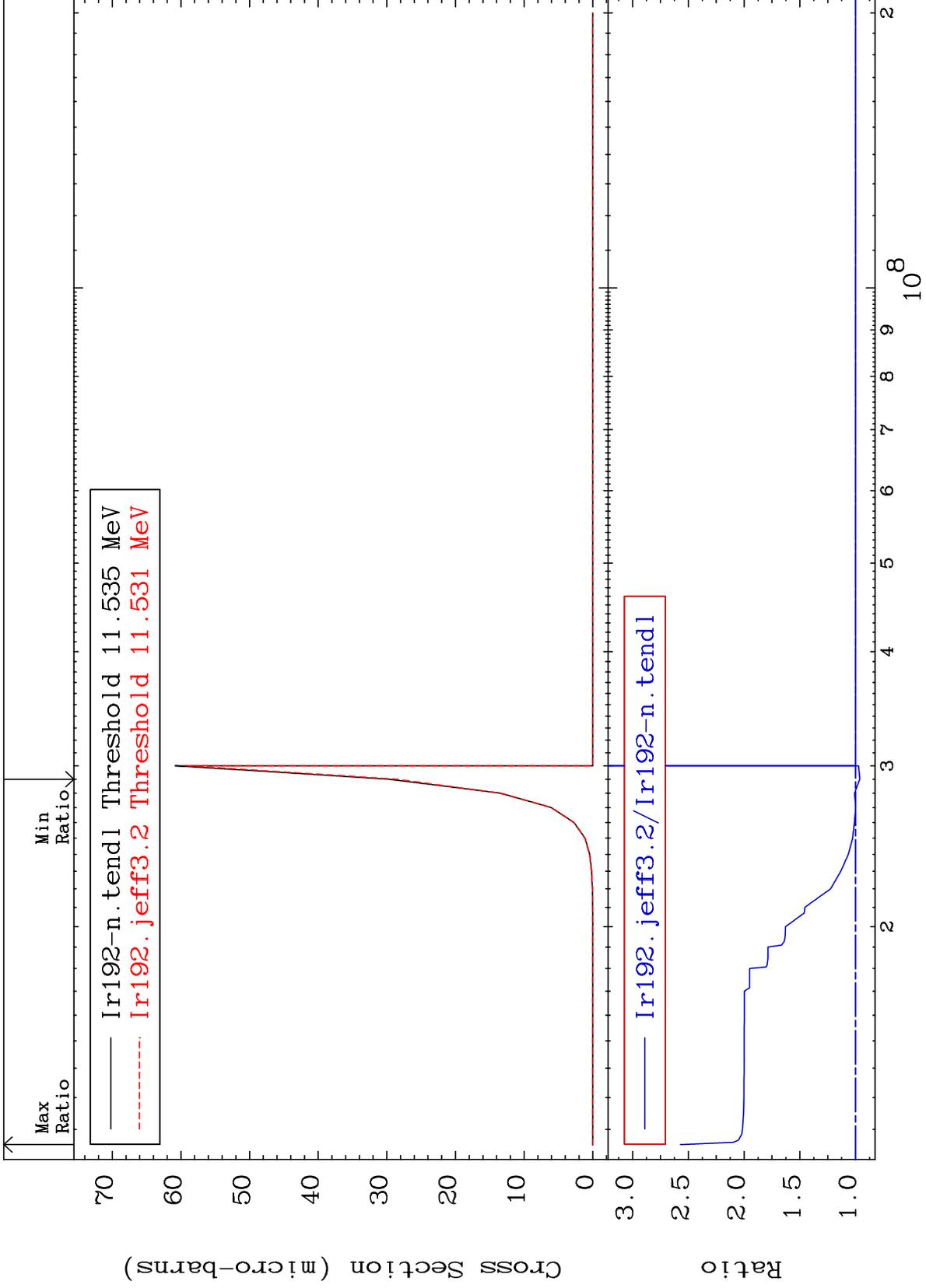
MAT 7728

(n, 3n) : 77-Ir-190m2

77-Ir-192

Radionuclide Production Cross Section -8.844 To 579.5 %



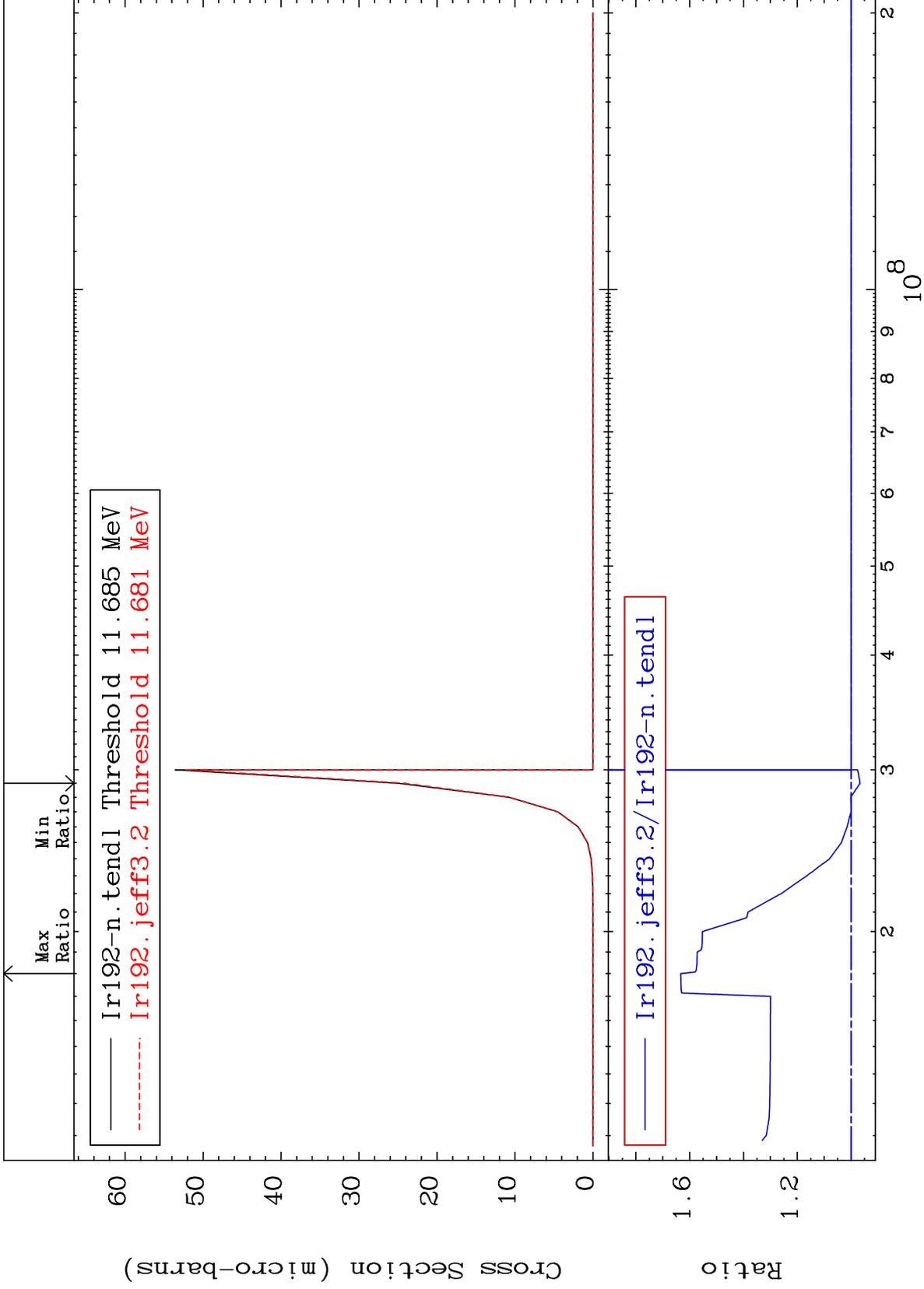


MAT 7728

(n, 3n) α : 75-Re-186m4

77-Ir-192

Radionuclide Production Cross Section -3.346 To 63.30 %

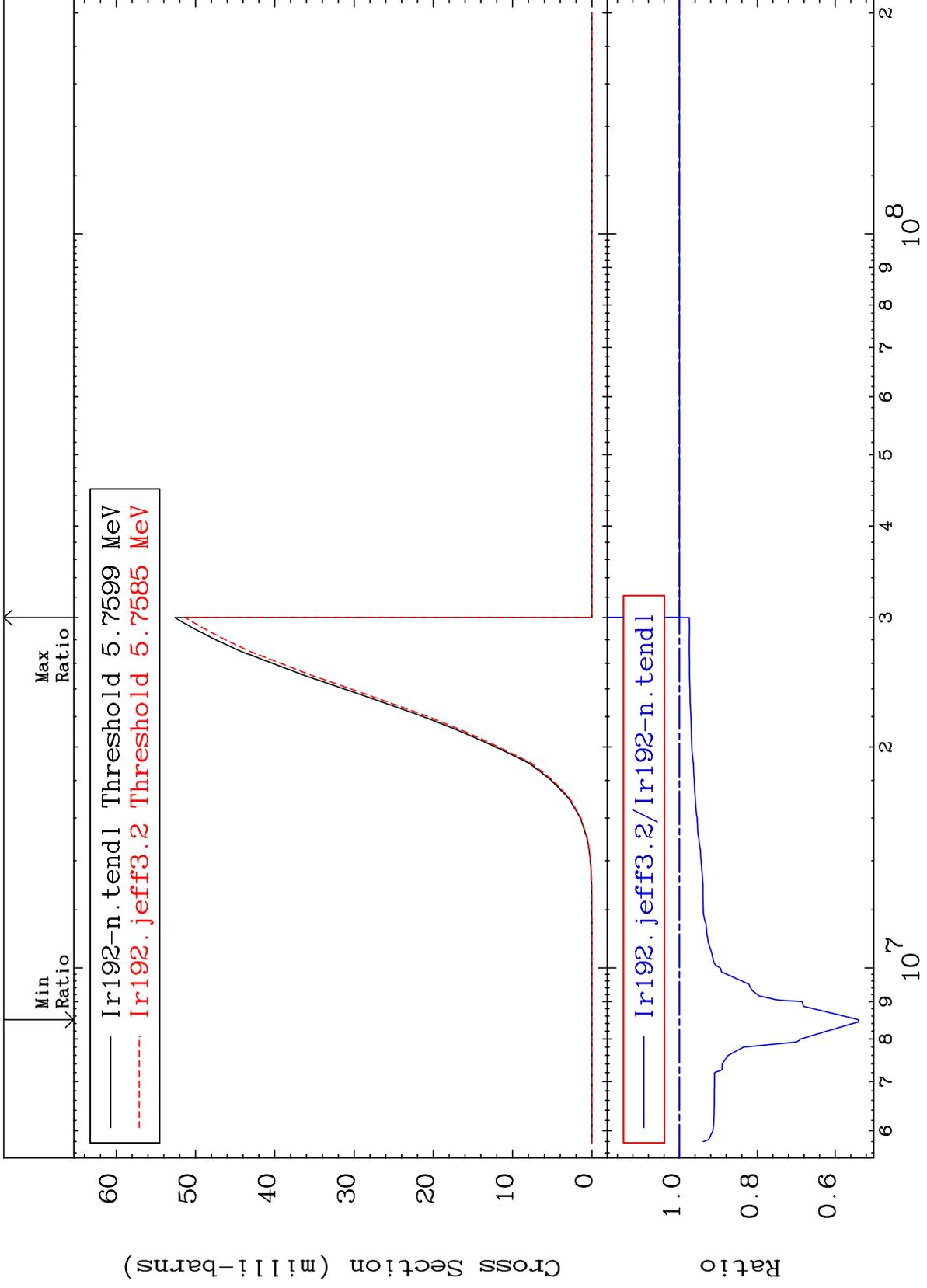


MAT 7728

(n, n') p: 76-Os-191g

77-Ir-192

Radionuclide Production Cross Section -46.01 To 0.000 %



86

Incident Energy (eV)

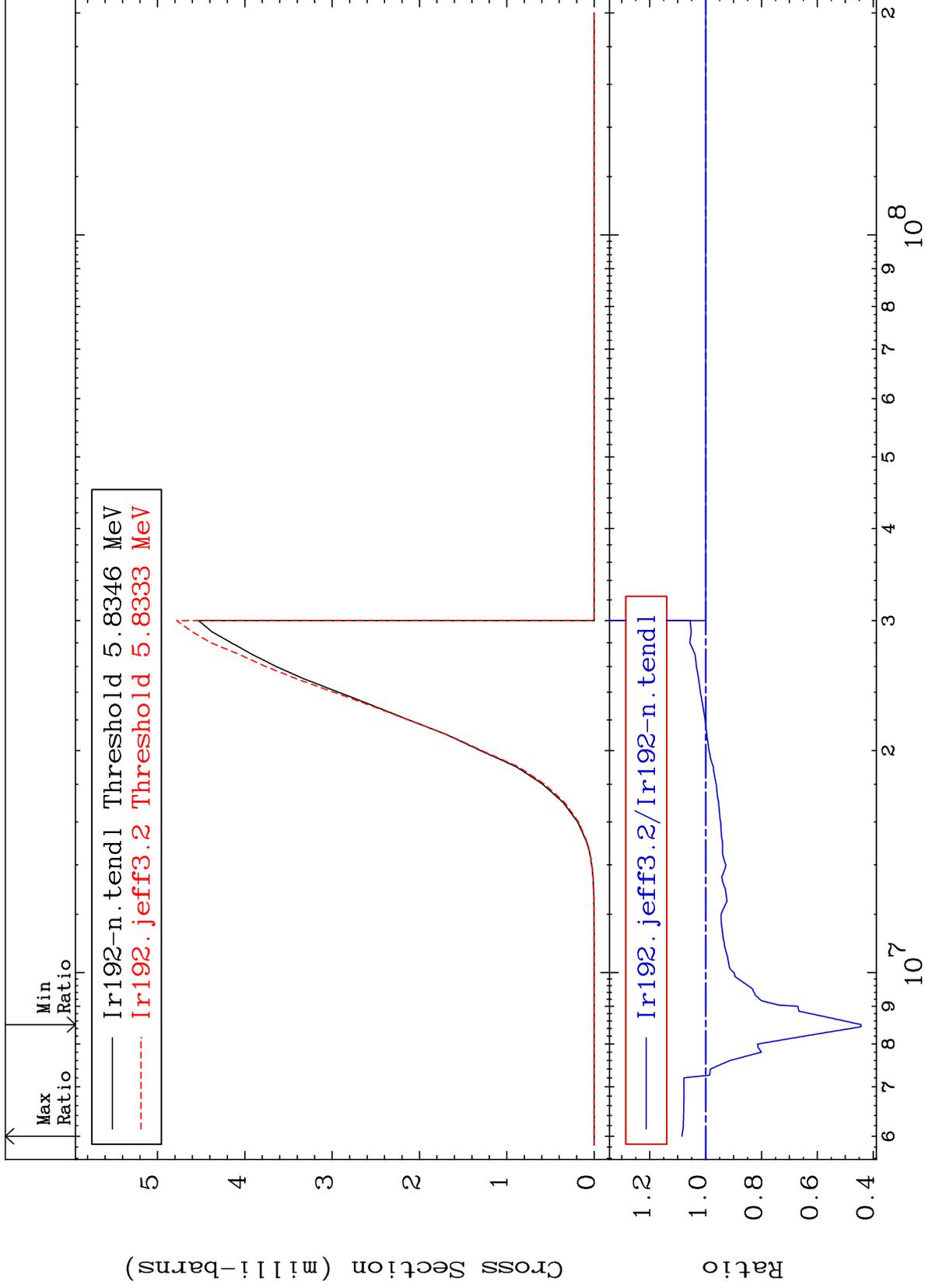
77-Ir-192

MAT 7728

(n, n') p: 76-0s-191m1

77-Ir-192

Radionuclide Production Cross Section -55.65 To 8.475 %



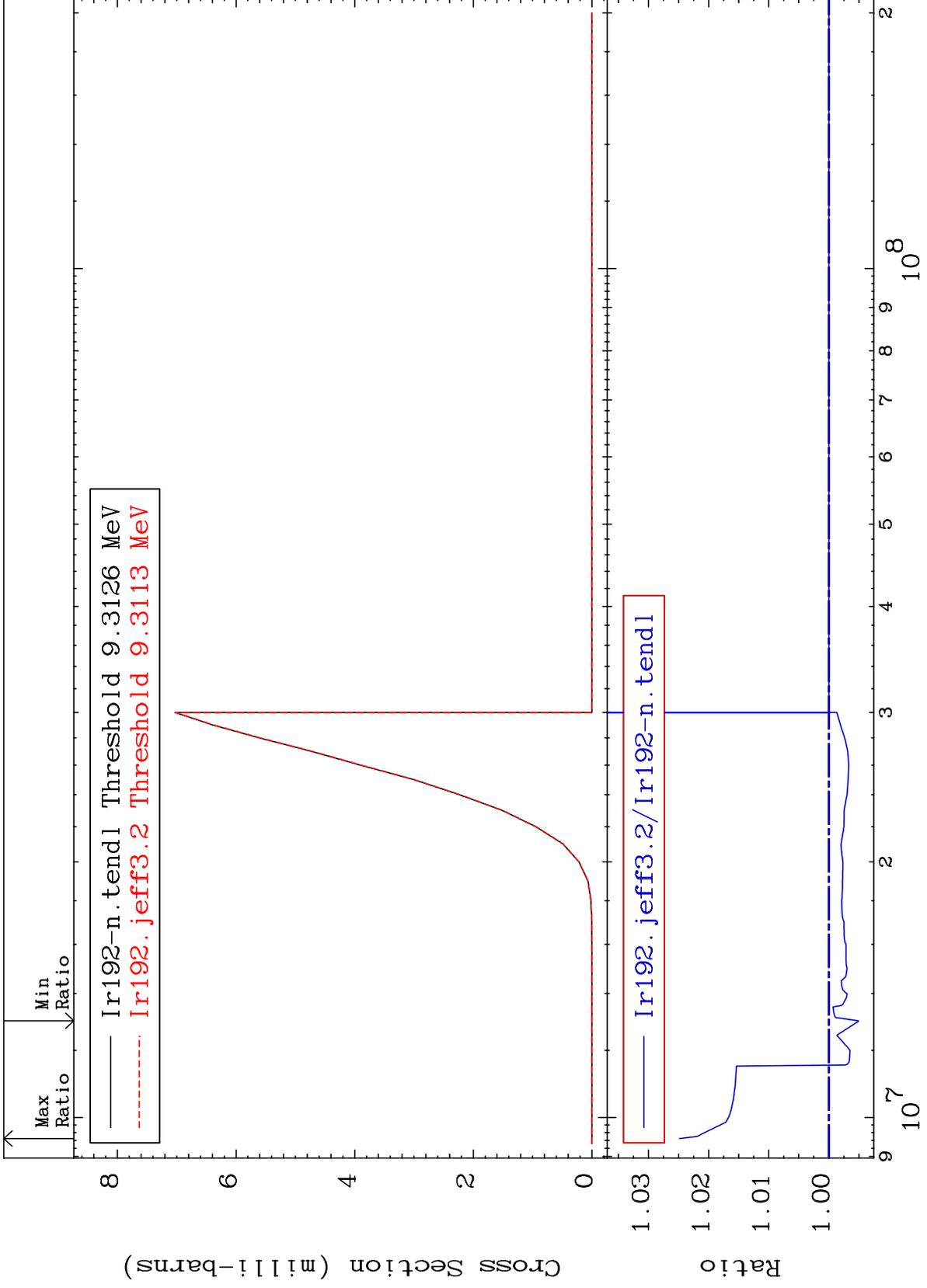
MAT 7728

(n, n') d: 76-Os-190g

77-Ir-192

Radionuclide Production Cross Section

-0.494 To 2.484 %

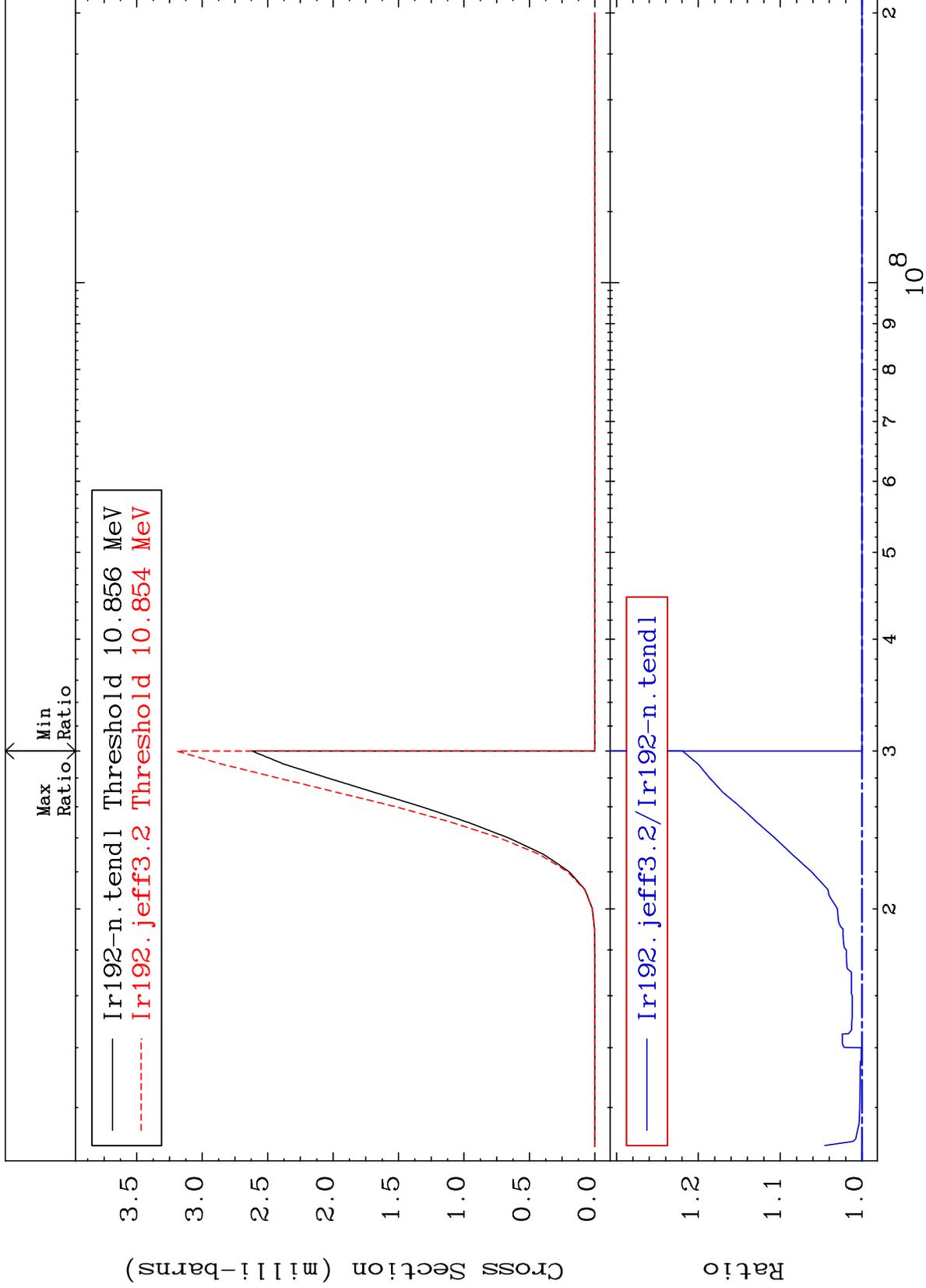


88

Incident Energy (eV)

77-Ir-192

Radionuclide Production Cross Section 0.000 To 21.92 %

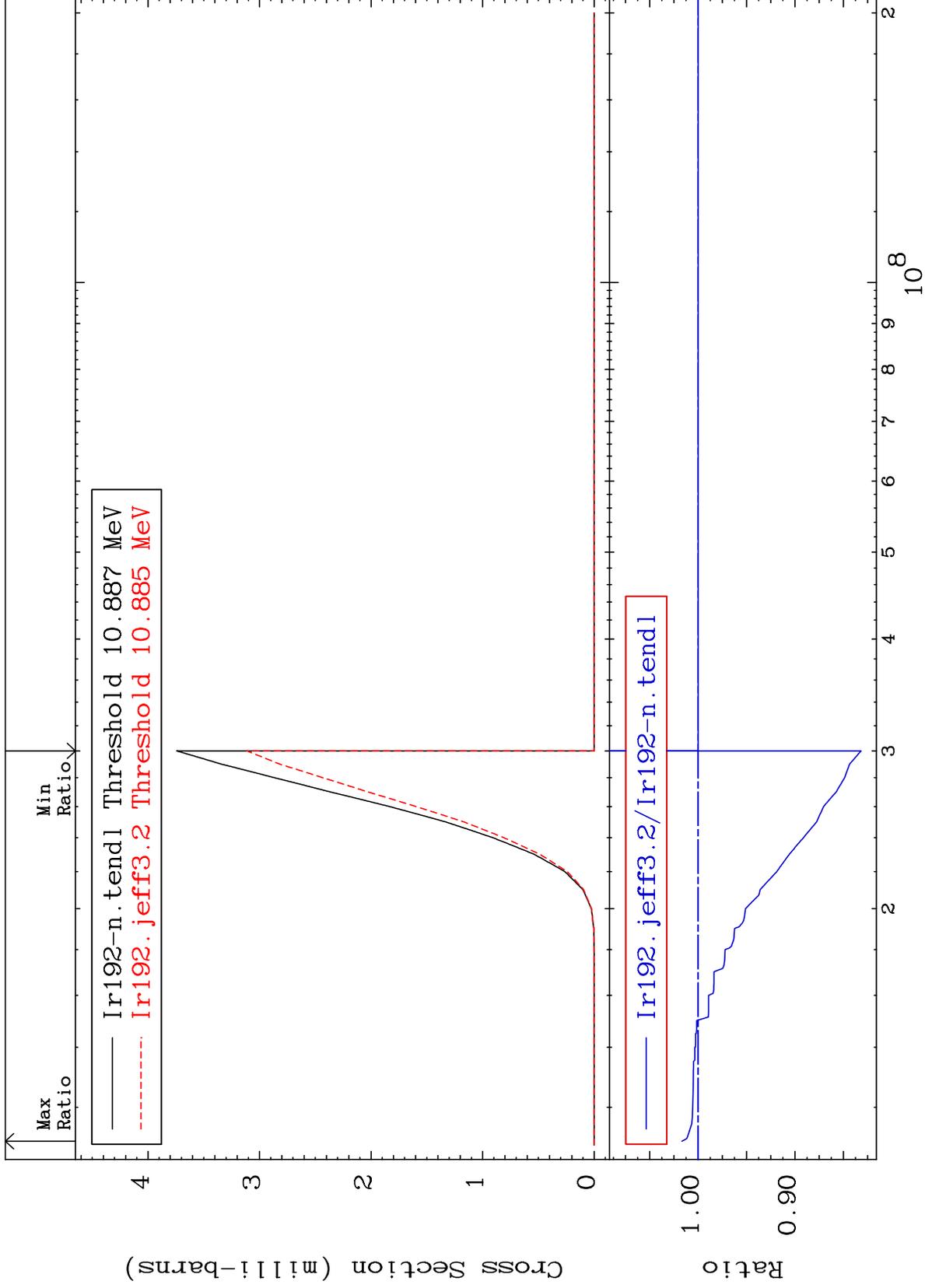


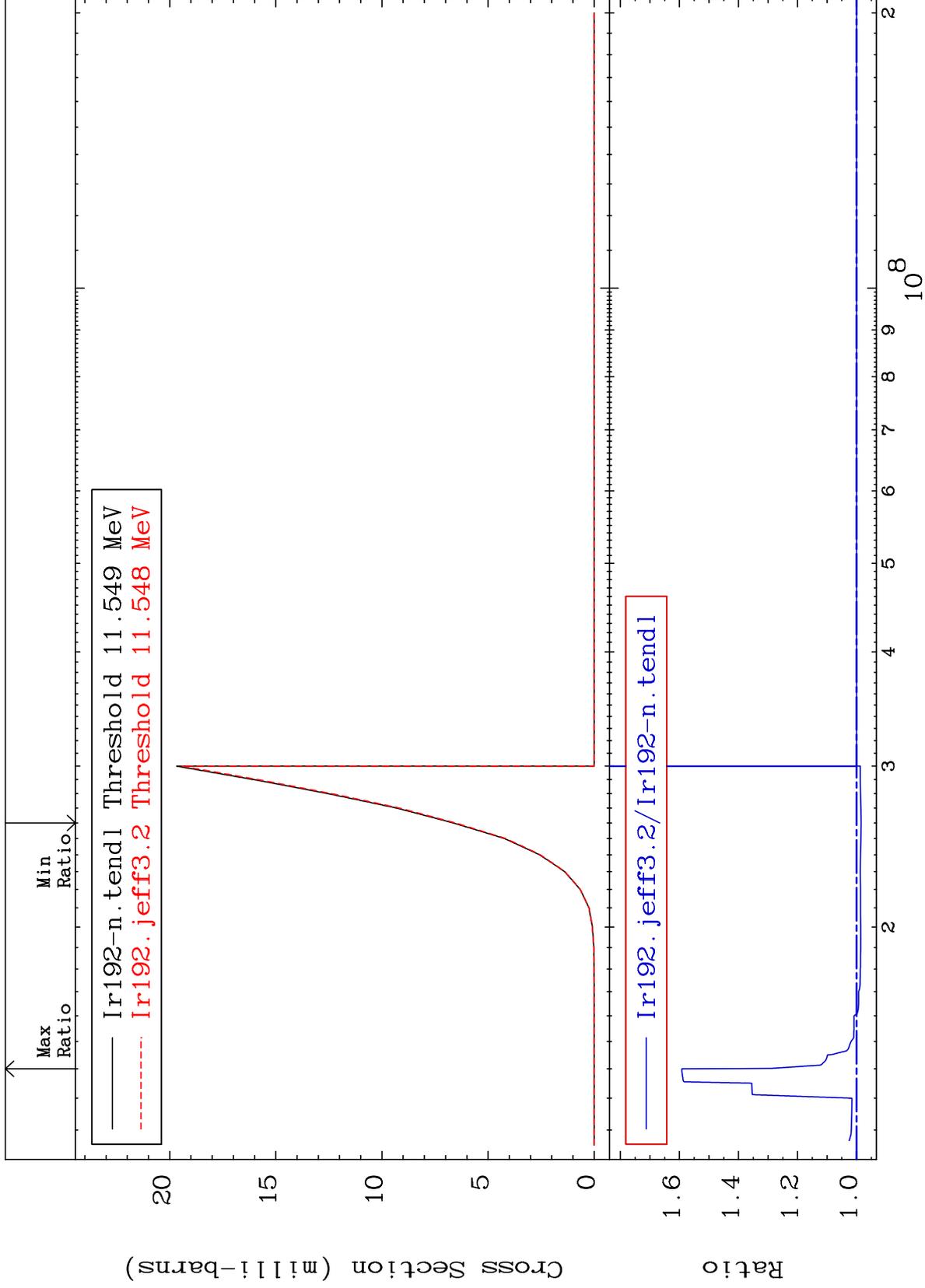
MAT 7728

(n, n') t: 76-0s-189m1

77-Ir-192

Radionuclide Production Cross Section -16.83 To 1.668 %



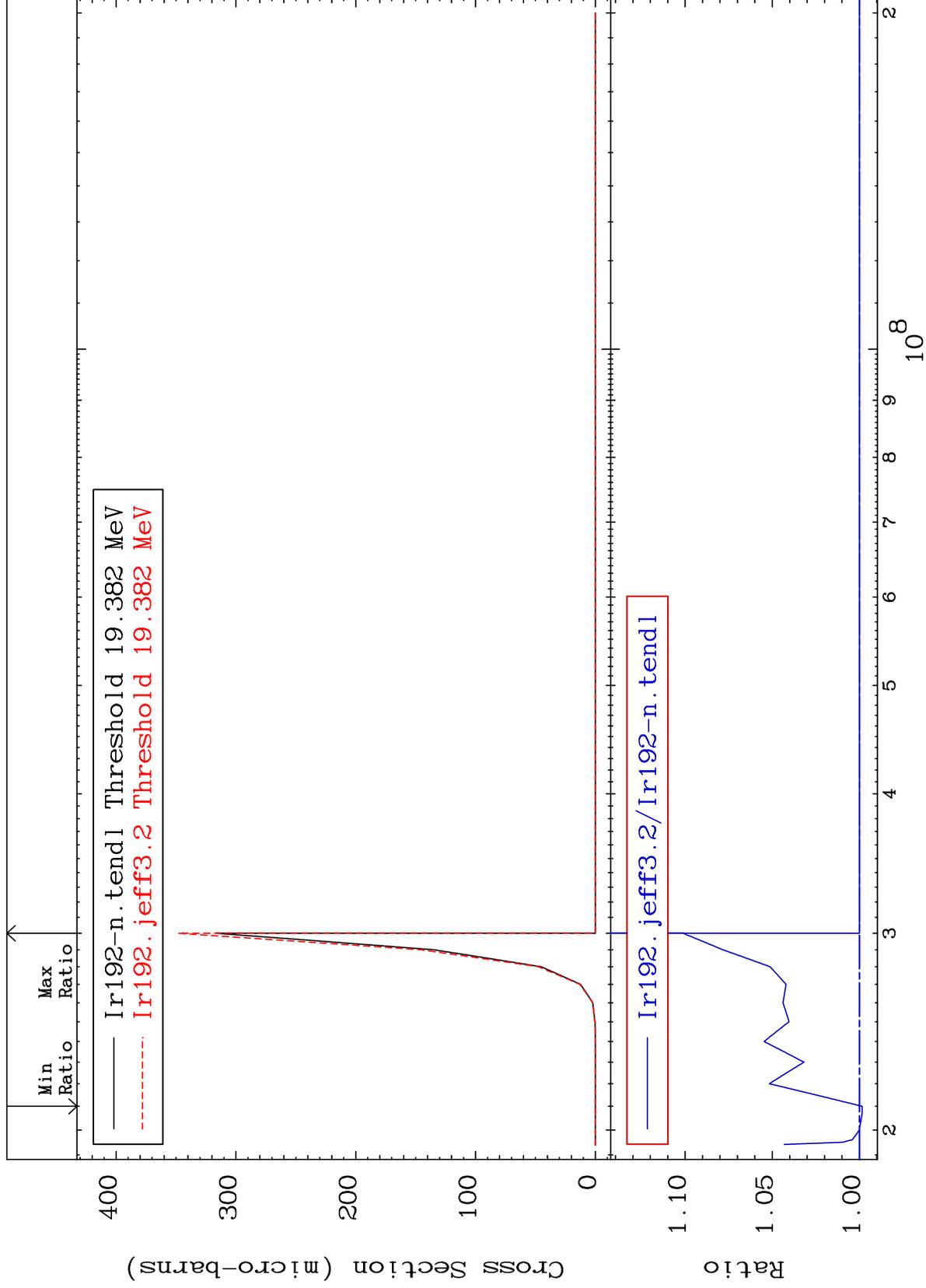


MAT 7728

(n,3n) p: 76-Os-189g

77-Ir-192

Radionuclide Production Cross Section -0.160 To 10.12 %

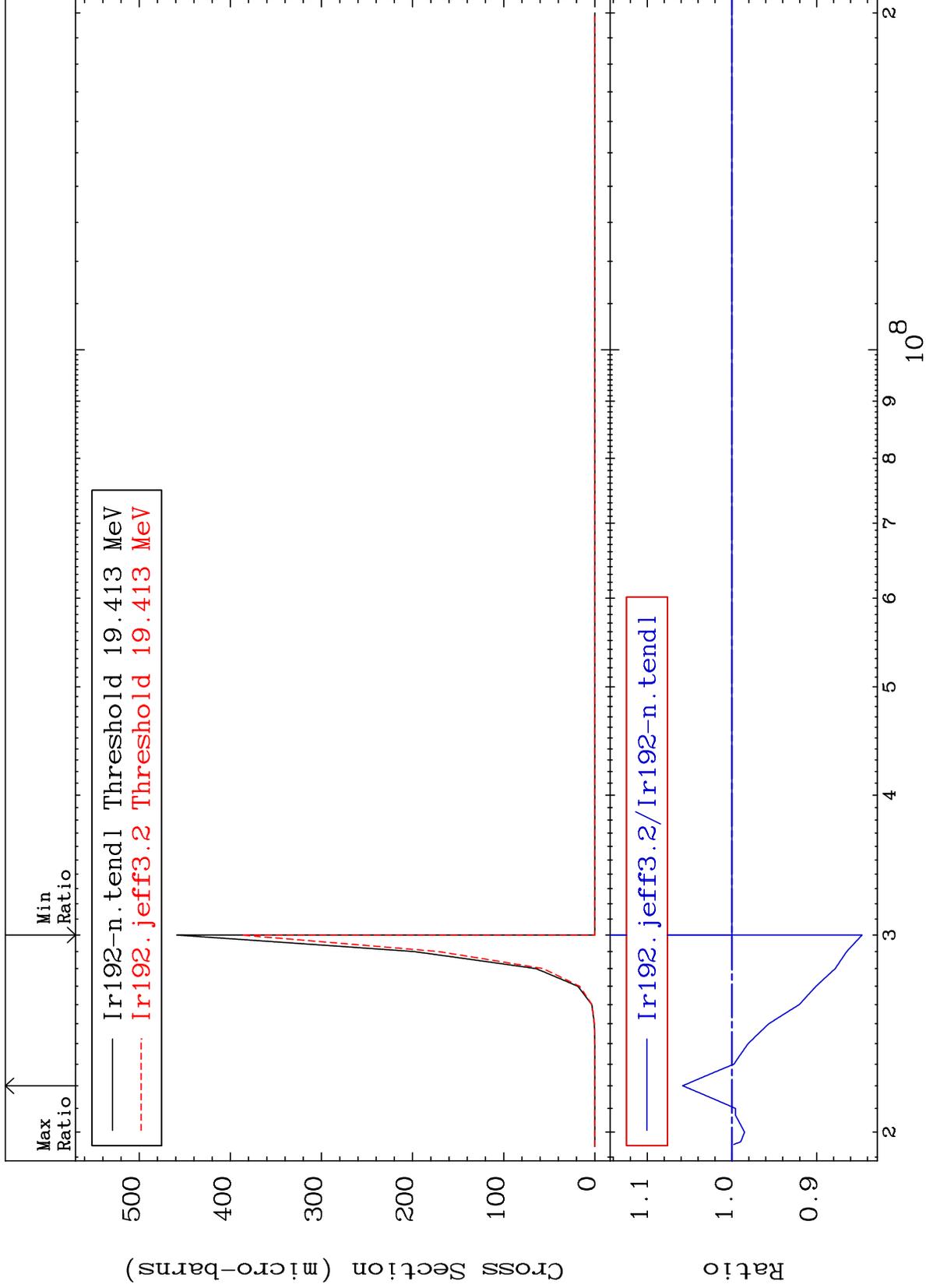


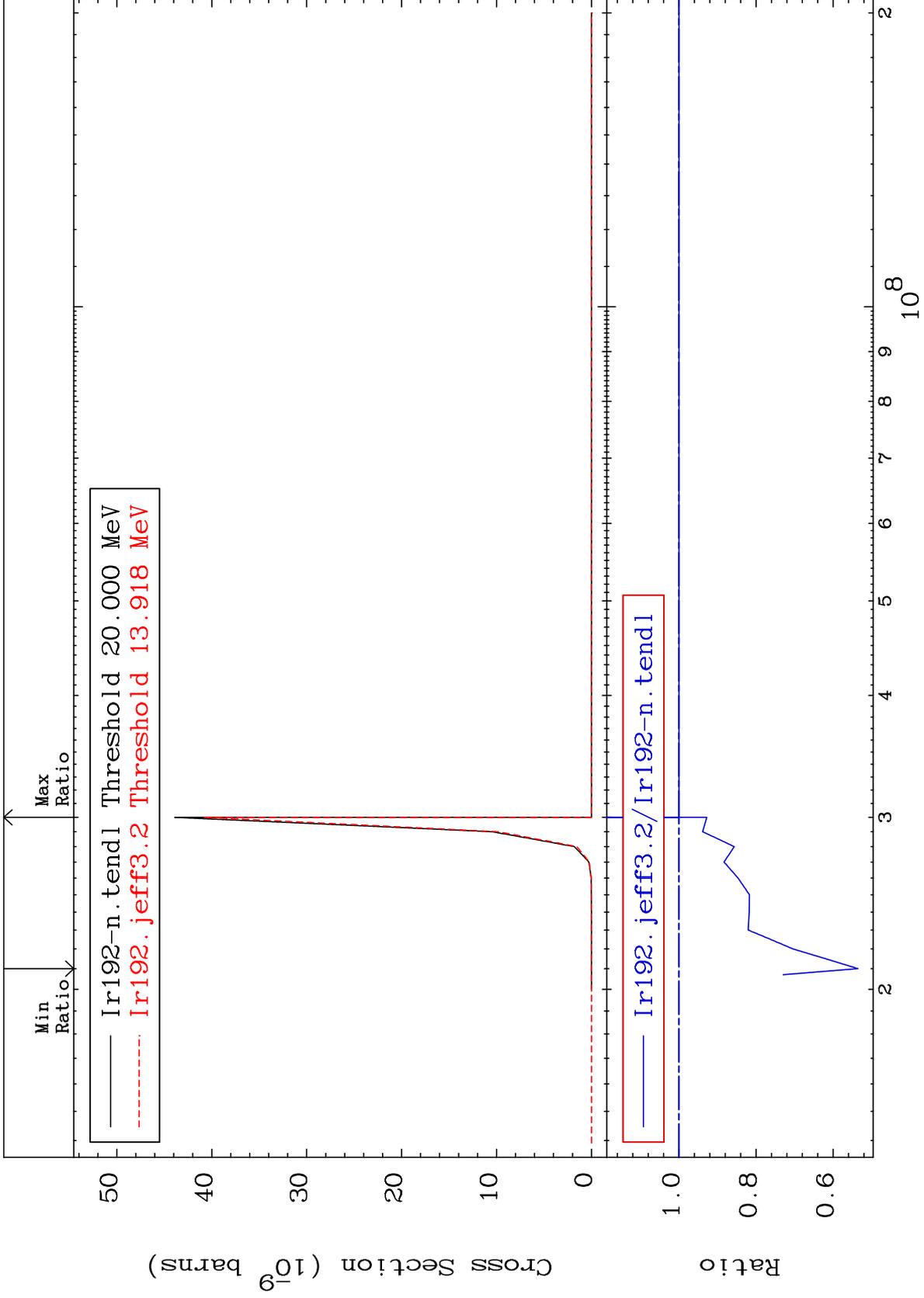
92

Incident Energy (eV)

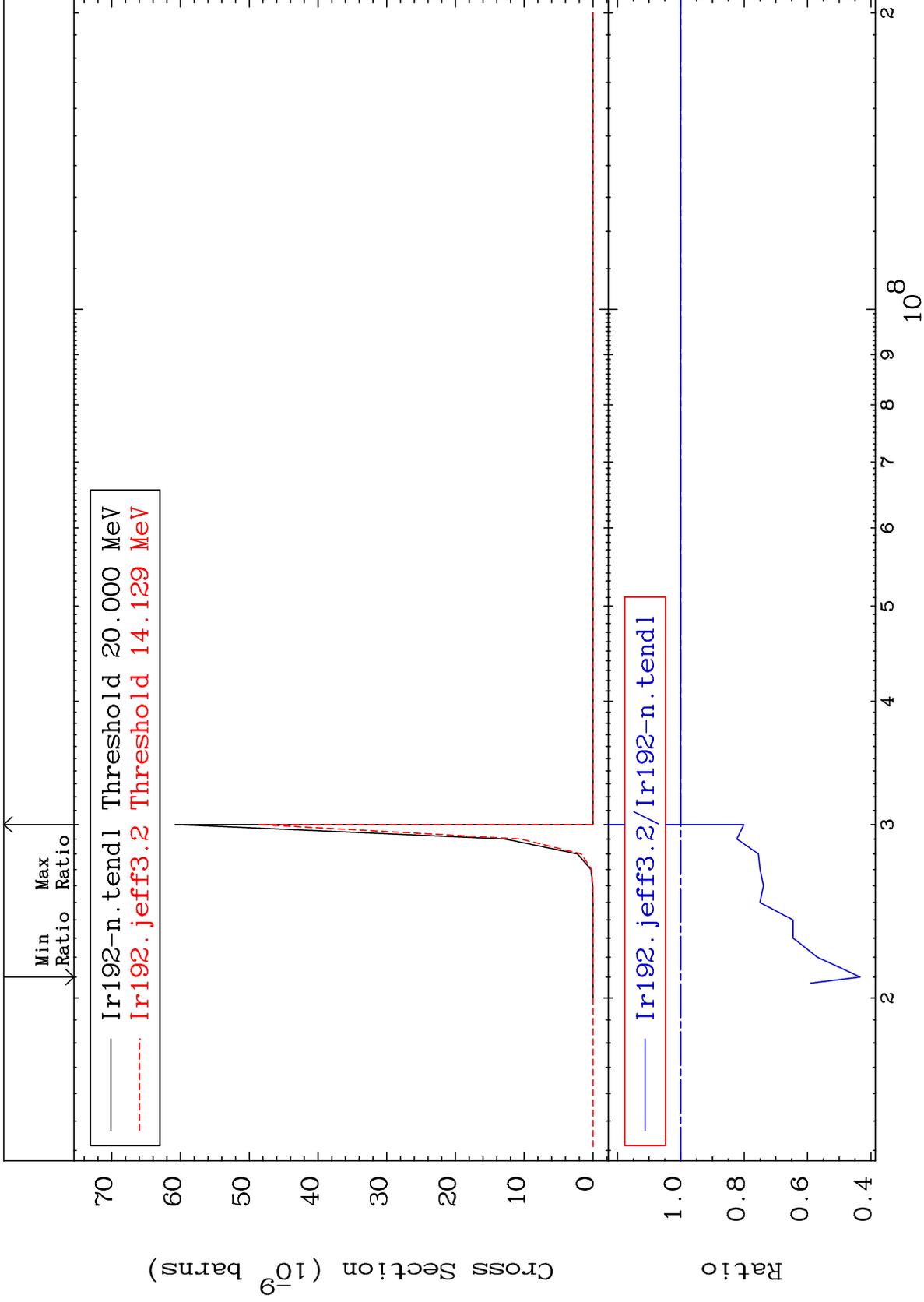
77-Ir-192

Radionuclide Production Cross Section -15.36 To 5.819 %





Radionuclide Production Cross Section -56.59 To 0.000 %



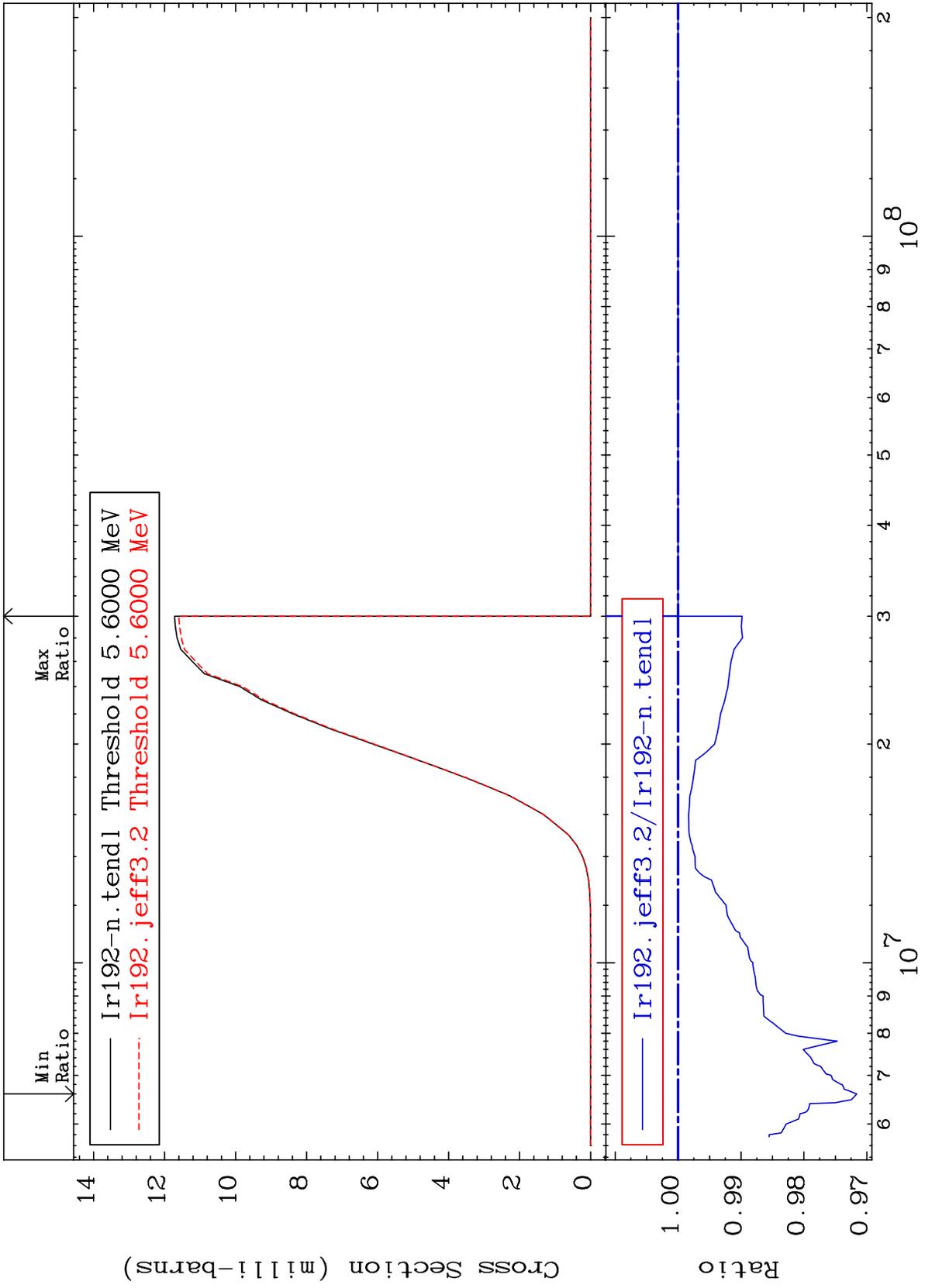
MAT 7728

(n, d) : 76-0s-191g

77-Ir-192

Radionuclide Production Cross Section

-2.838 To 0.000 %

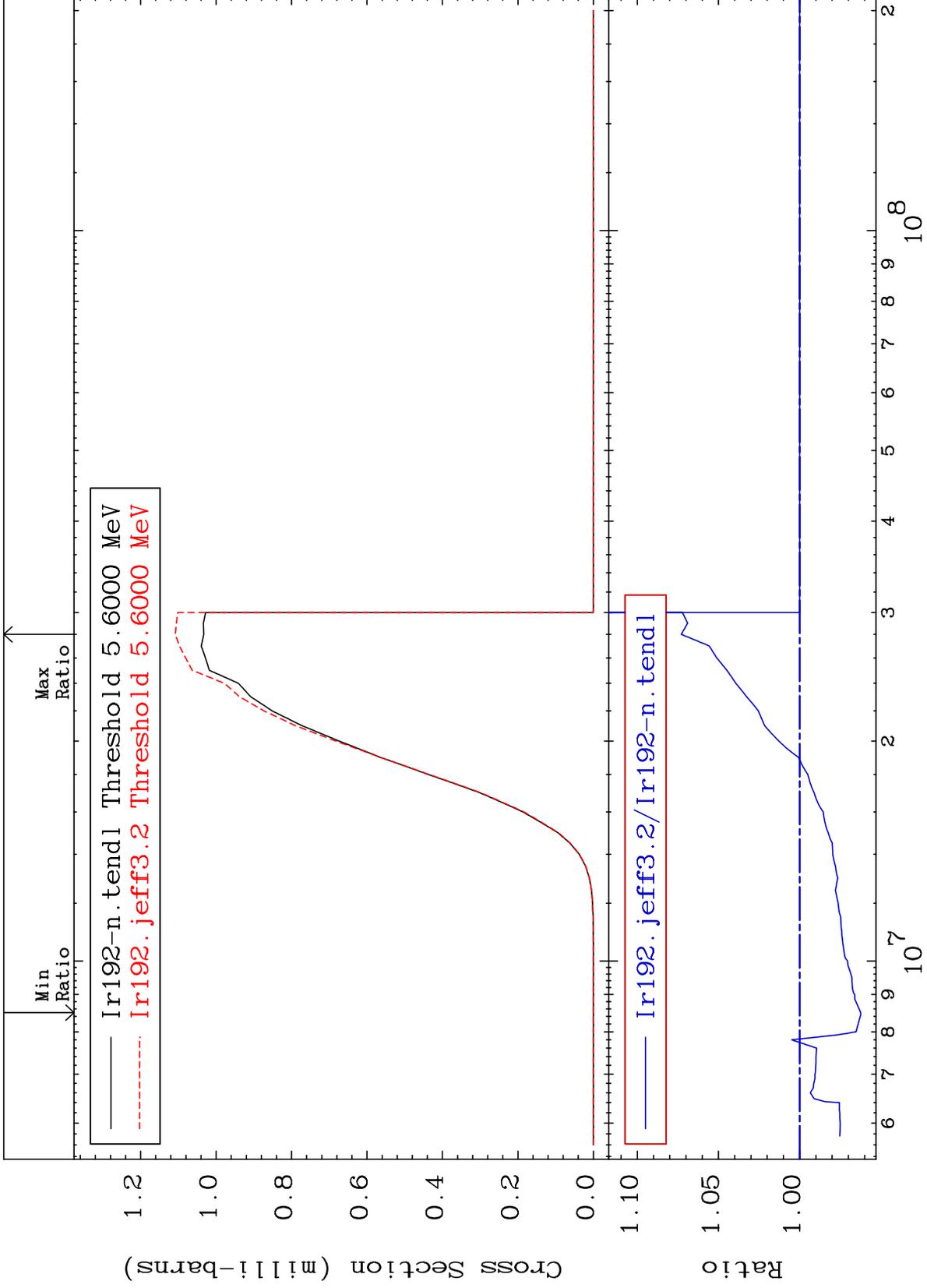


MAT 7728

(n, d): 76-Os-191m1

77-Ir-192

Radionuclide Production Cross Section -3.760 To 7.292 %



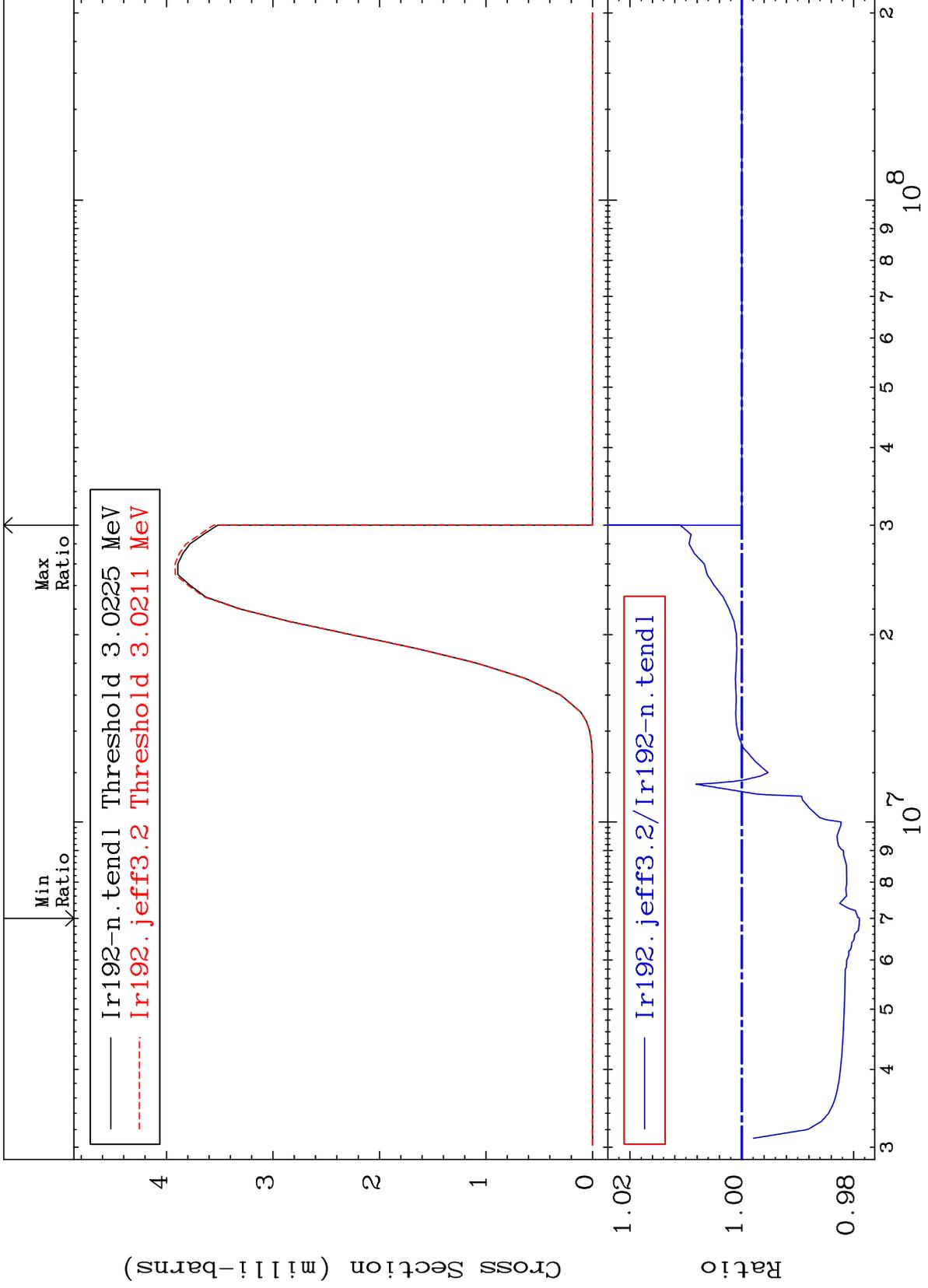
MAT 7728

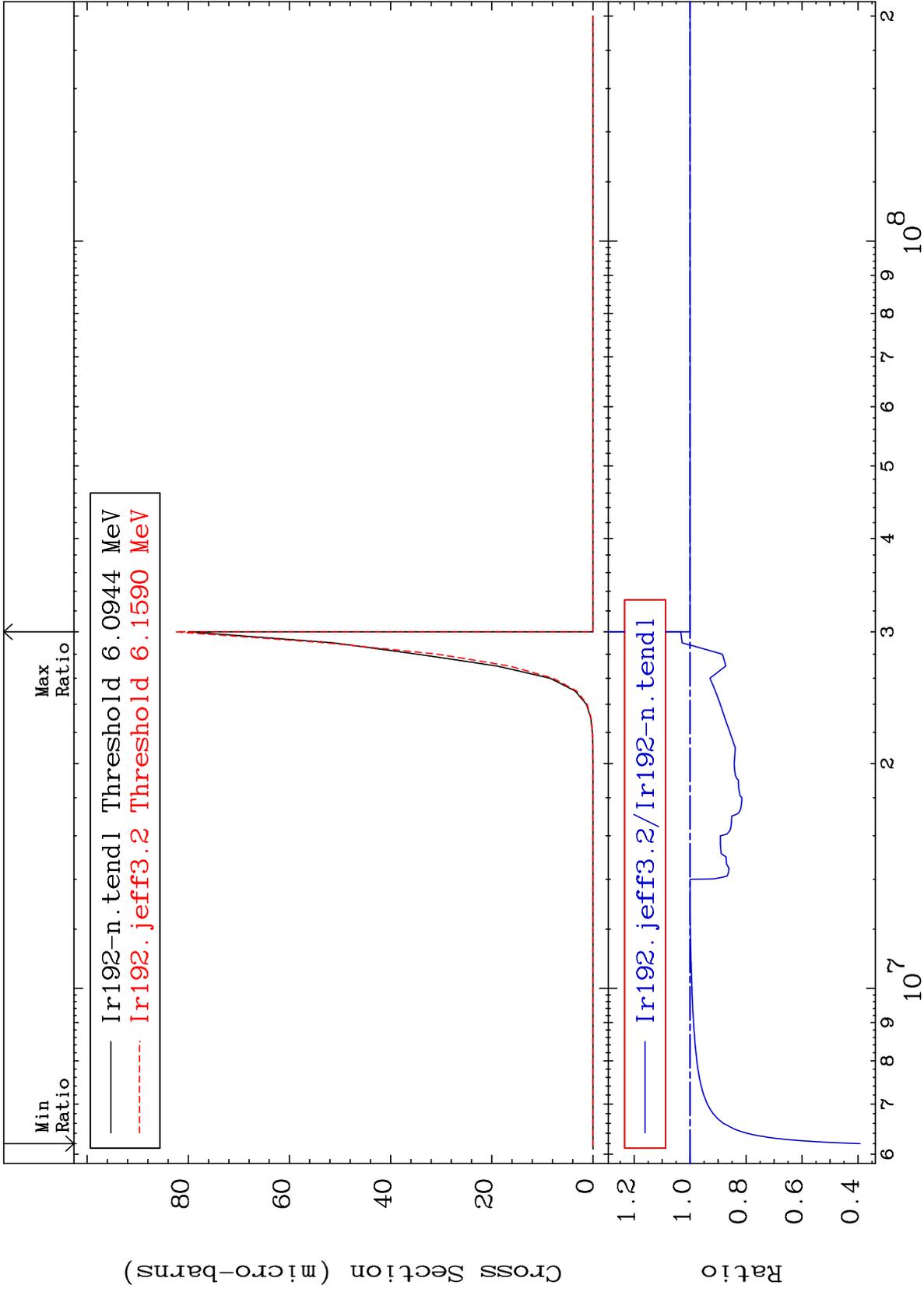
(n, t) : 76-0s-190g

77-Ir-192

Radionuclide Production Cross Section

-2.105 To 1.101 %



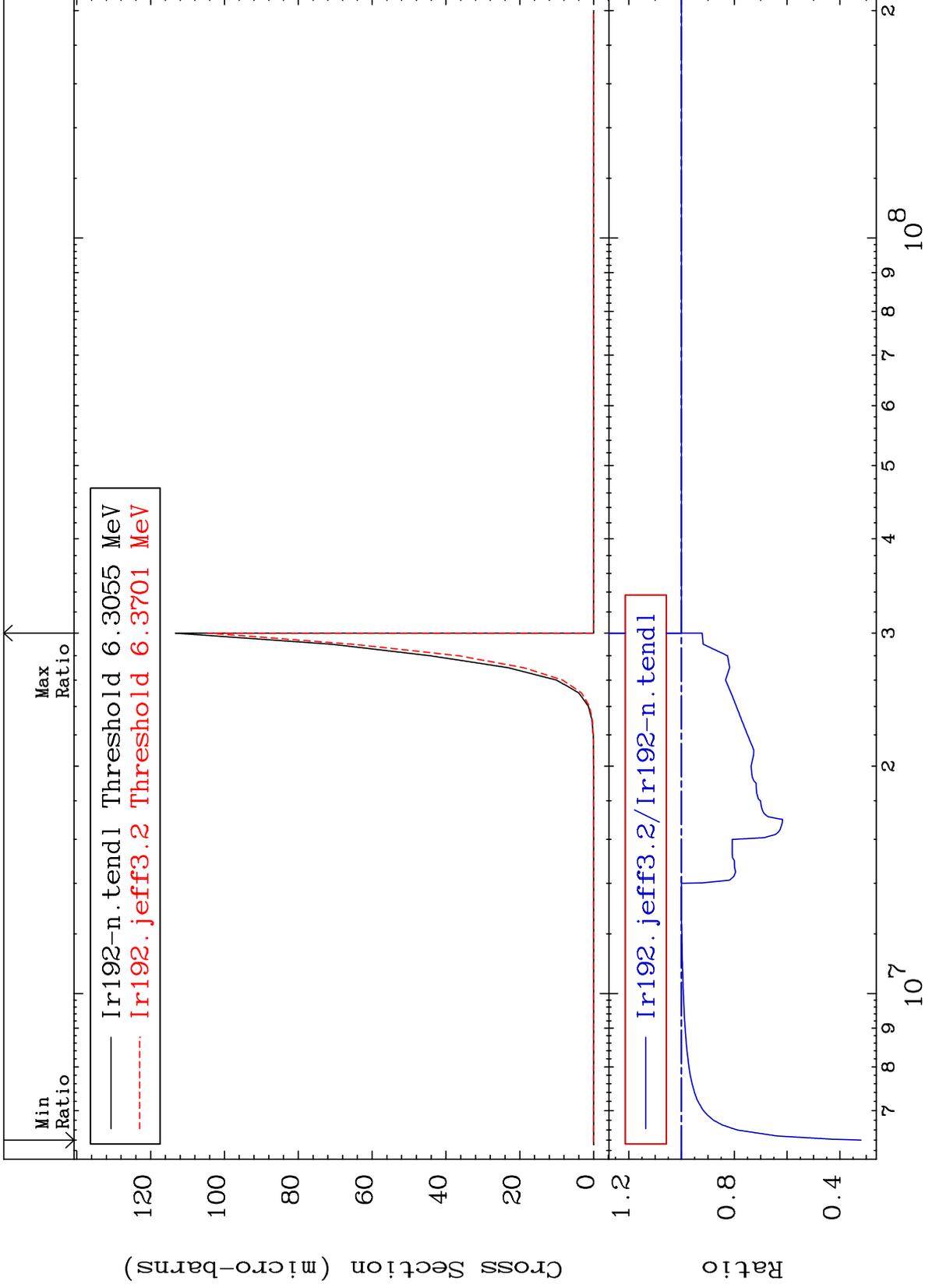


MAT 7728

(n, He-3) : 75-Re-190m3

77-Ir-192

Radionuclide Production Cross Section -67.99 To 0.000 %



100

Incident Energy (eV)

77-Ir-192