

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

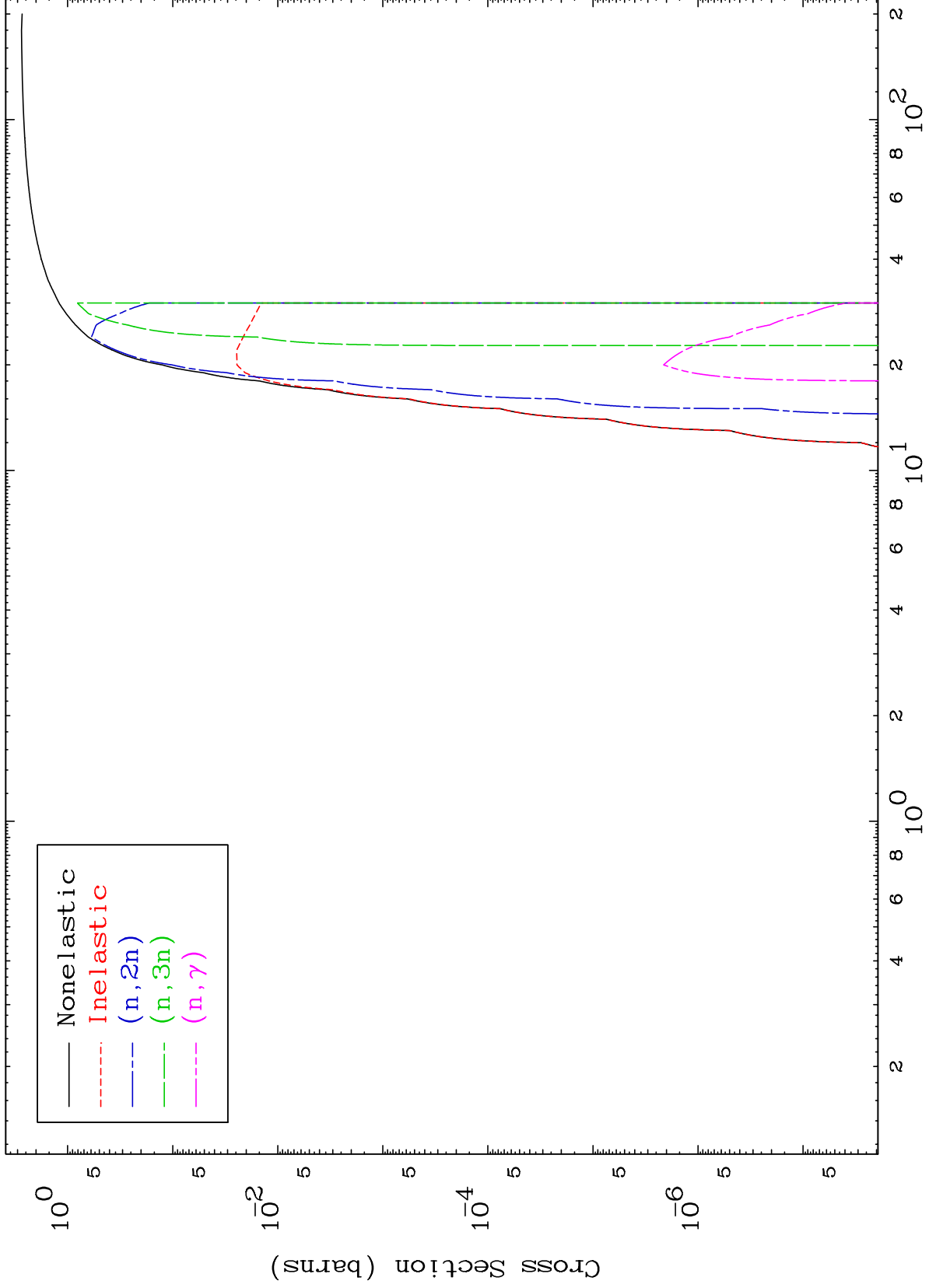
Press Mouse Button to Start

MAT 7738

0 Kelvin

α Major Cross Sections

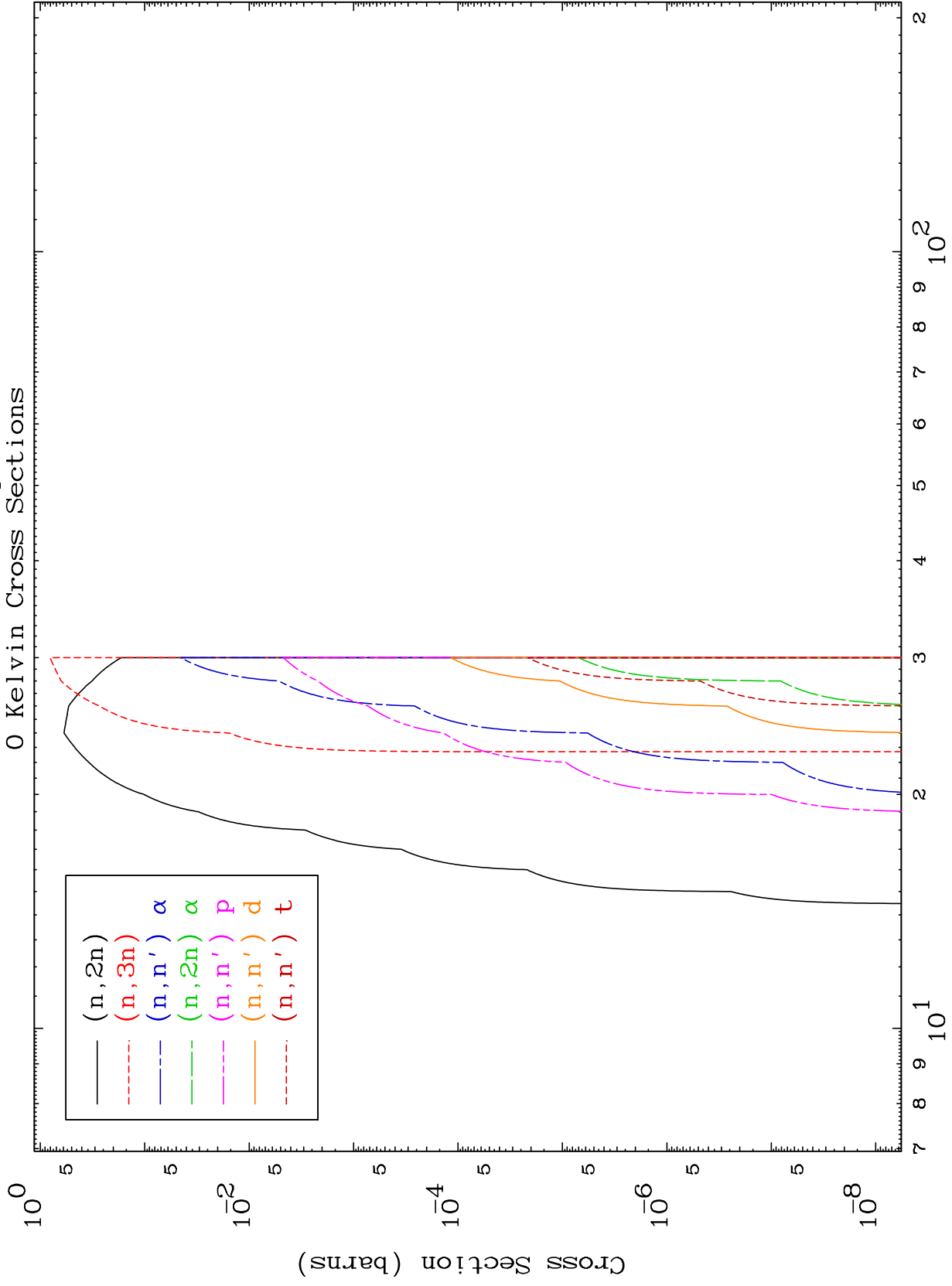
77-Ir-195m



MAT 7738

α Neutron Absorption
0 Kelvin Cross Sections

77-Ir-195m



Incident Energy (MeV)

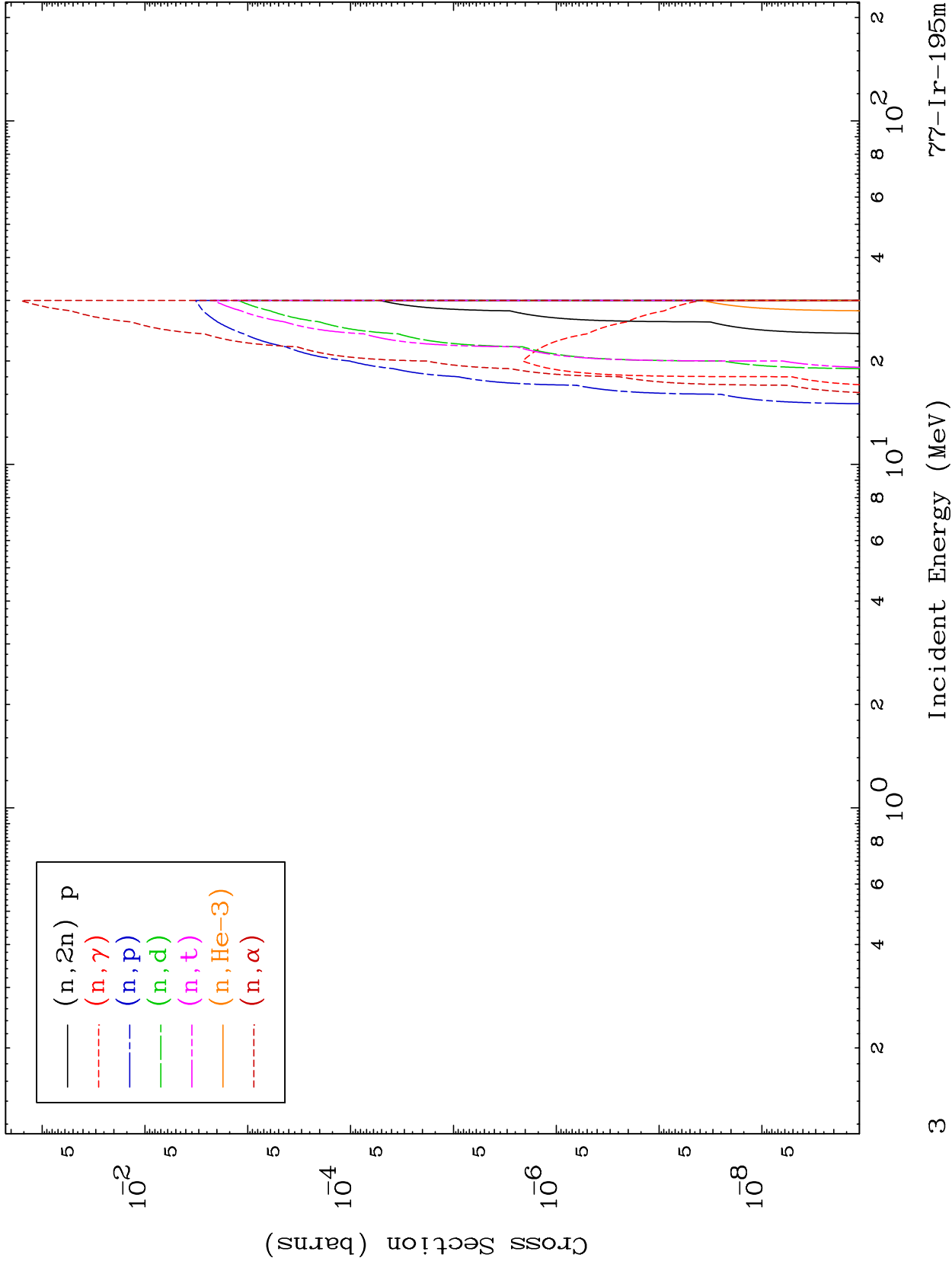
77-Ir-195m

2

MAT 7738

α Neutron Absorption
0 Kelvin Cross Sections

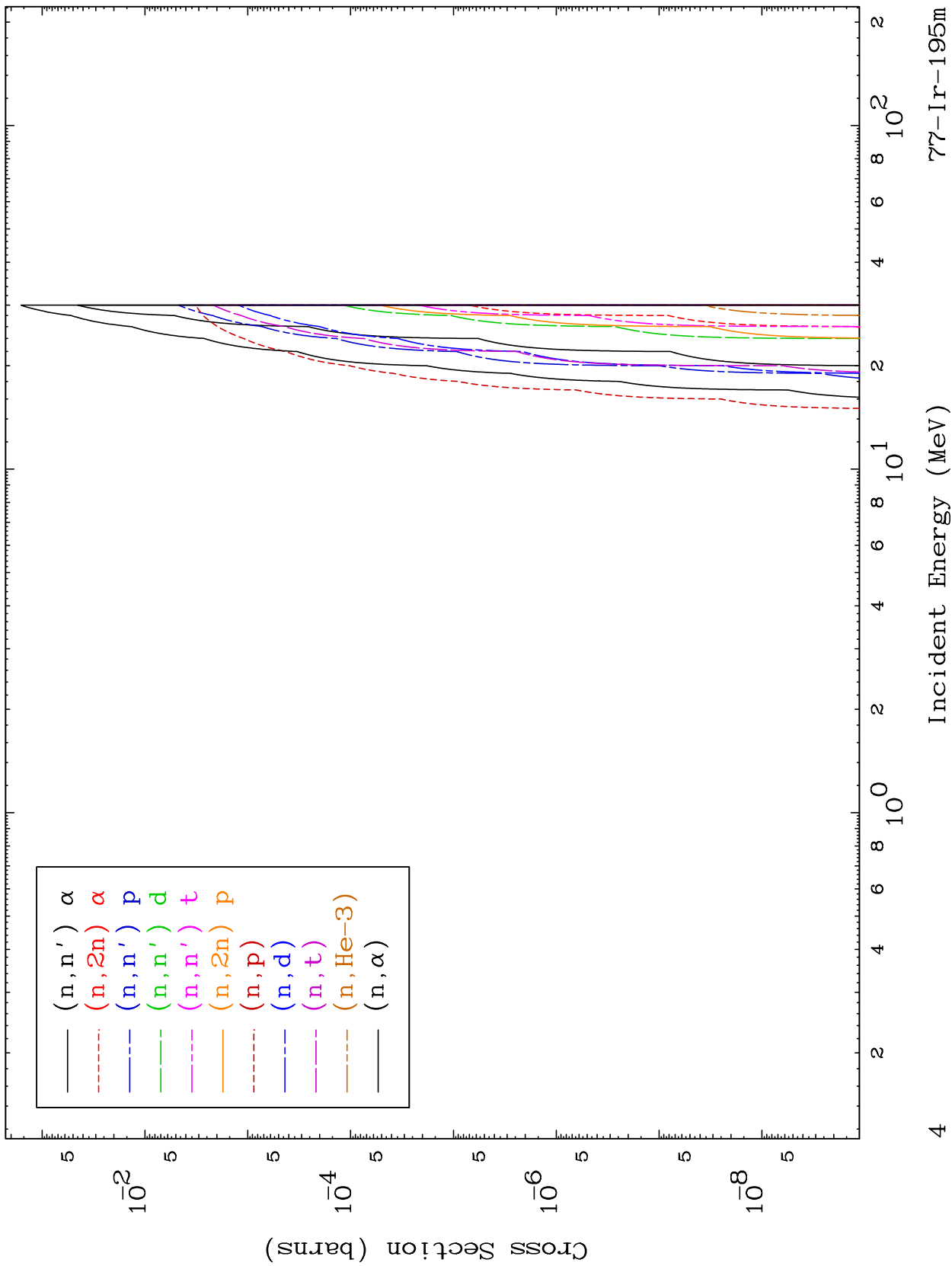
77-Ir-195m



MAT 7738

α Charged Particle
0 Kelvin Cross Sections

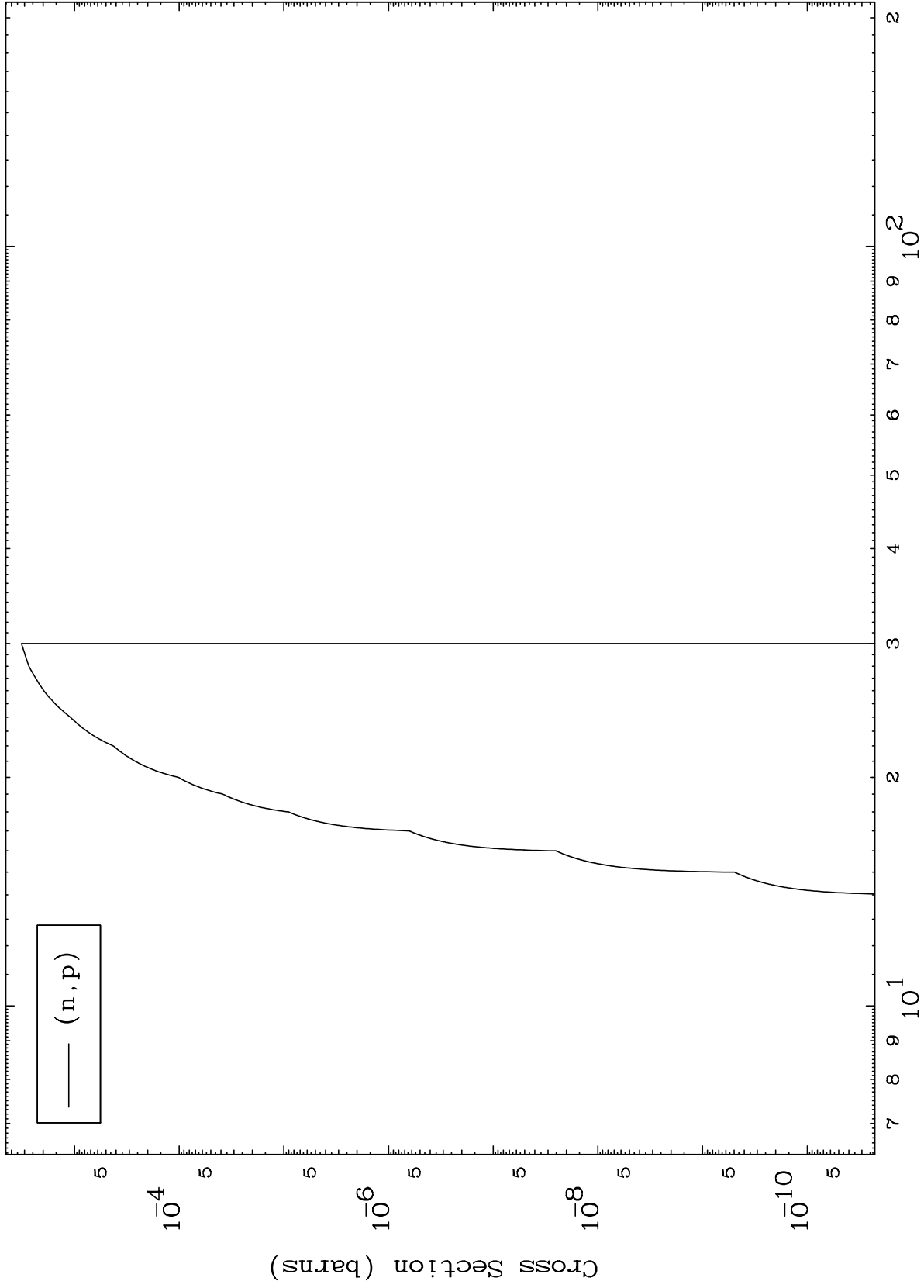
77-Ir-195m



MAT 7738

(α, p) Levels
0 Kelvin Cross Sections

77-Ir-195m



5

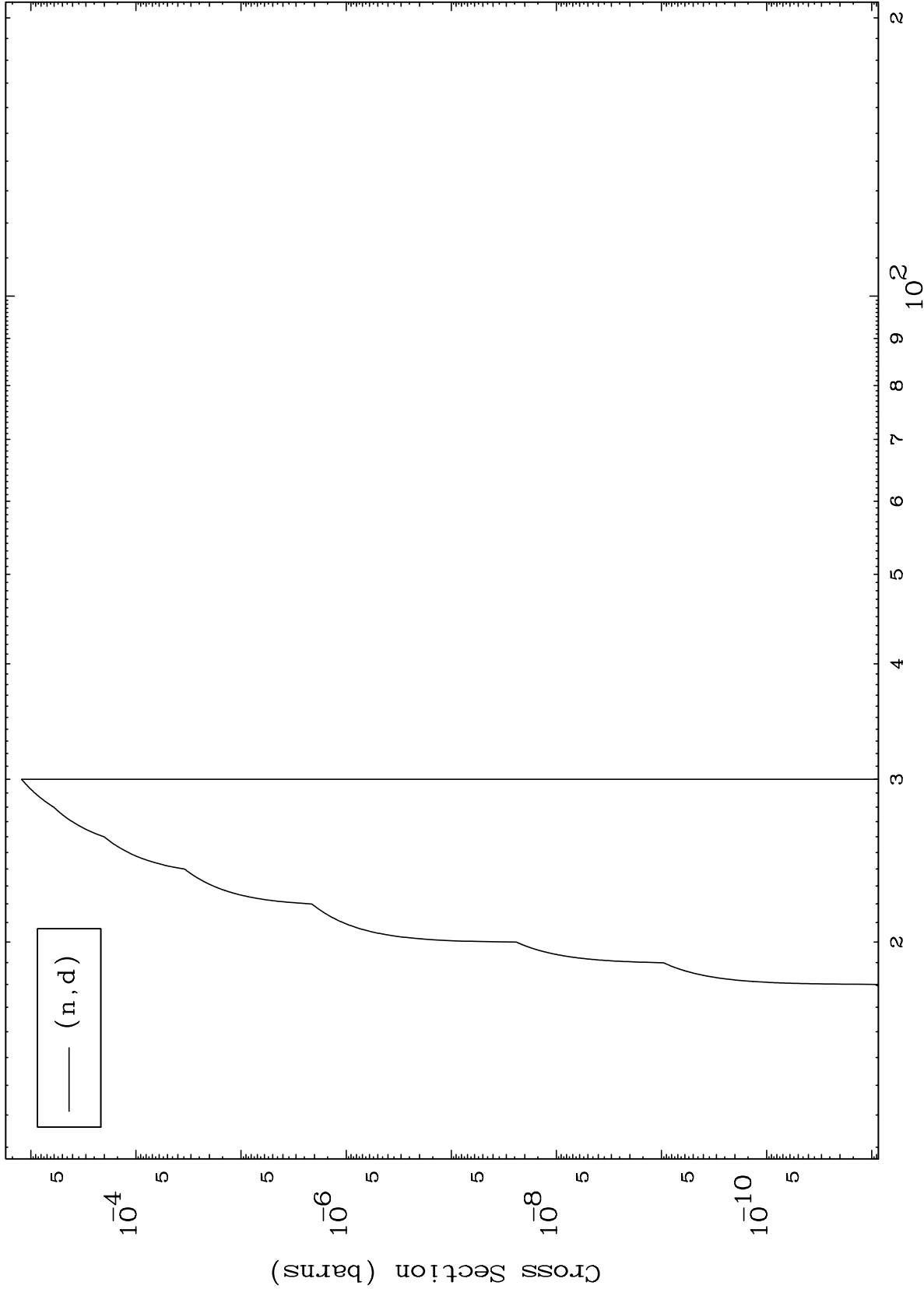
Incident Energy (MeV)

77-Ir-195m

MAT 7738

(α, d) Levels
0 Kelvin Cross Sections

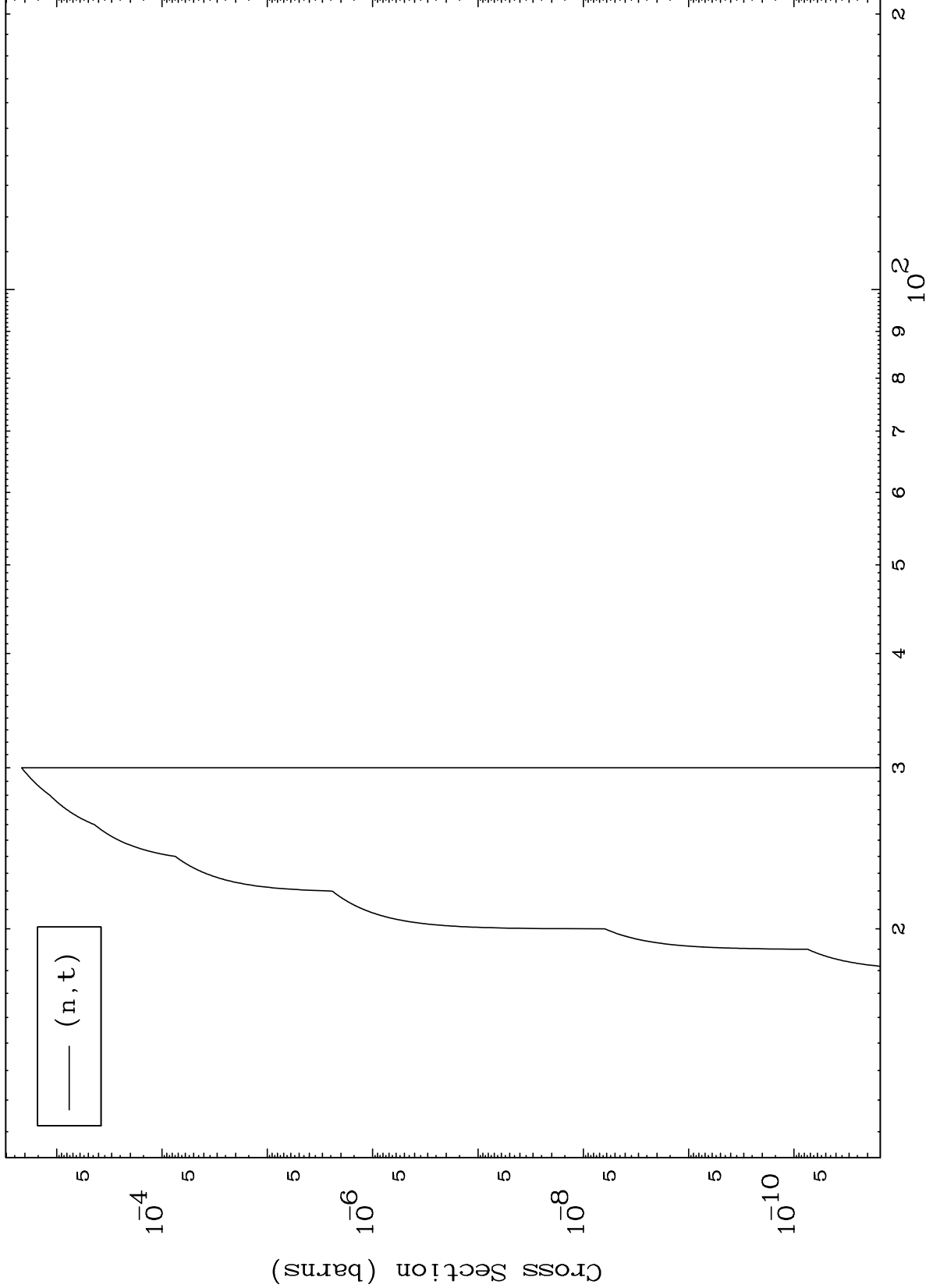
77-Ir-195m



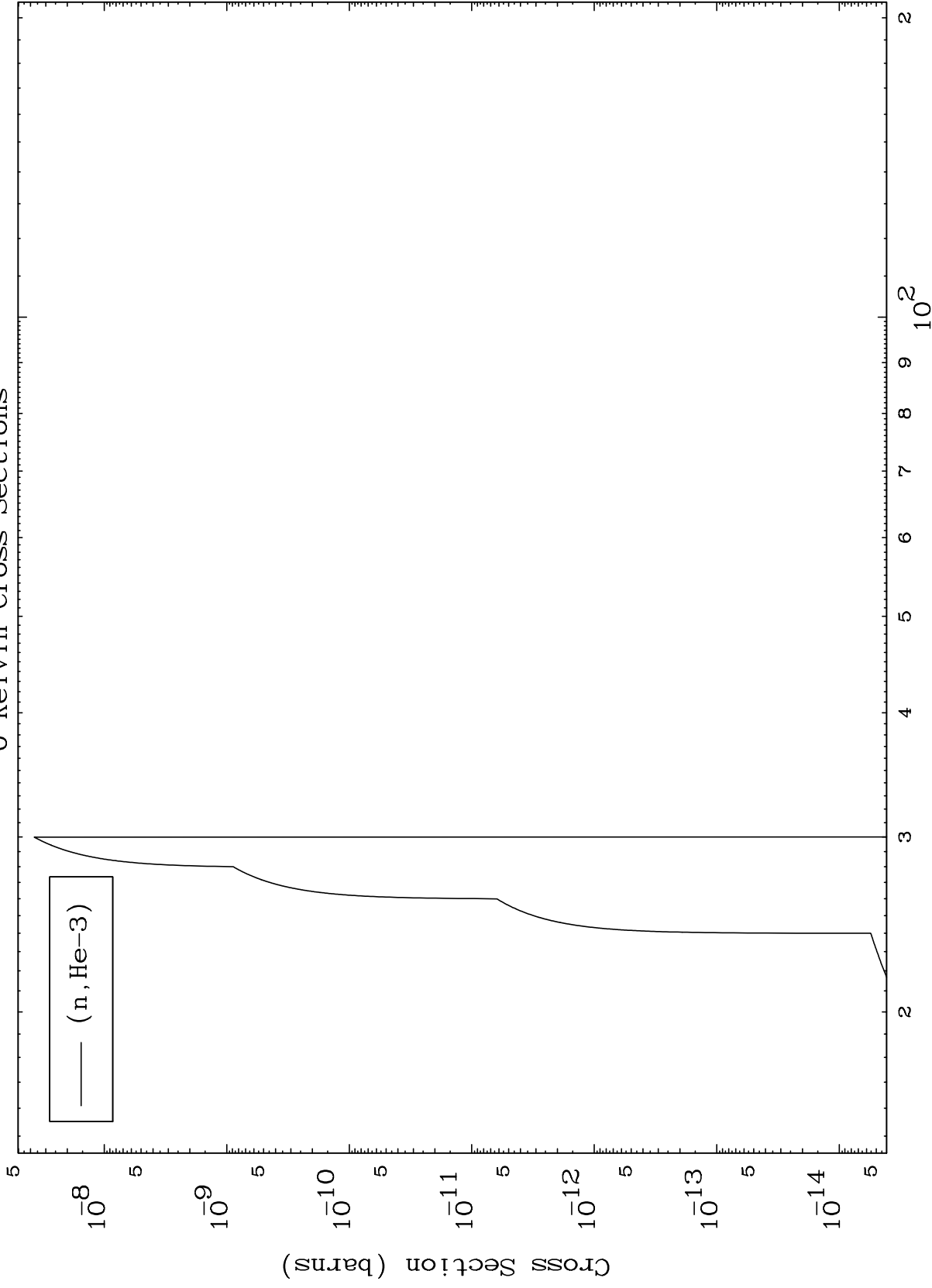
MAT 7738

(α, t) Levels
0 Kelvin Cross Sections

77-Ir-195m



0 Kelvin Cross Sections

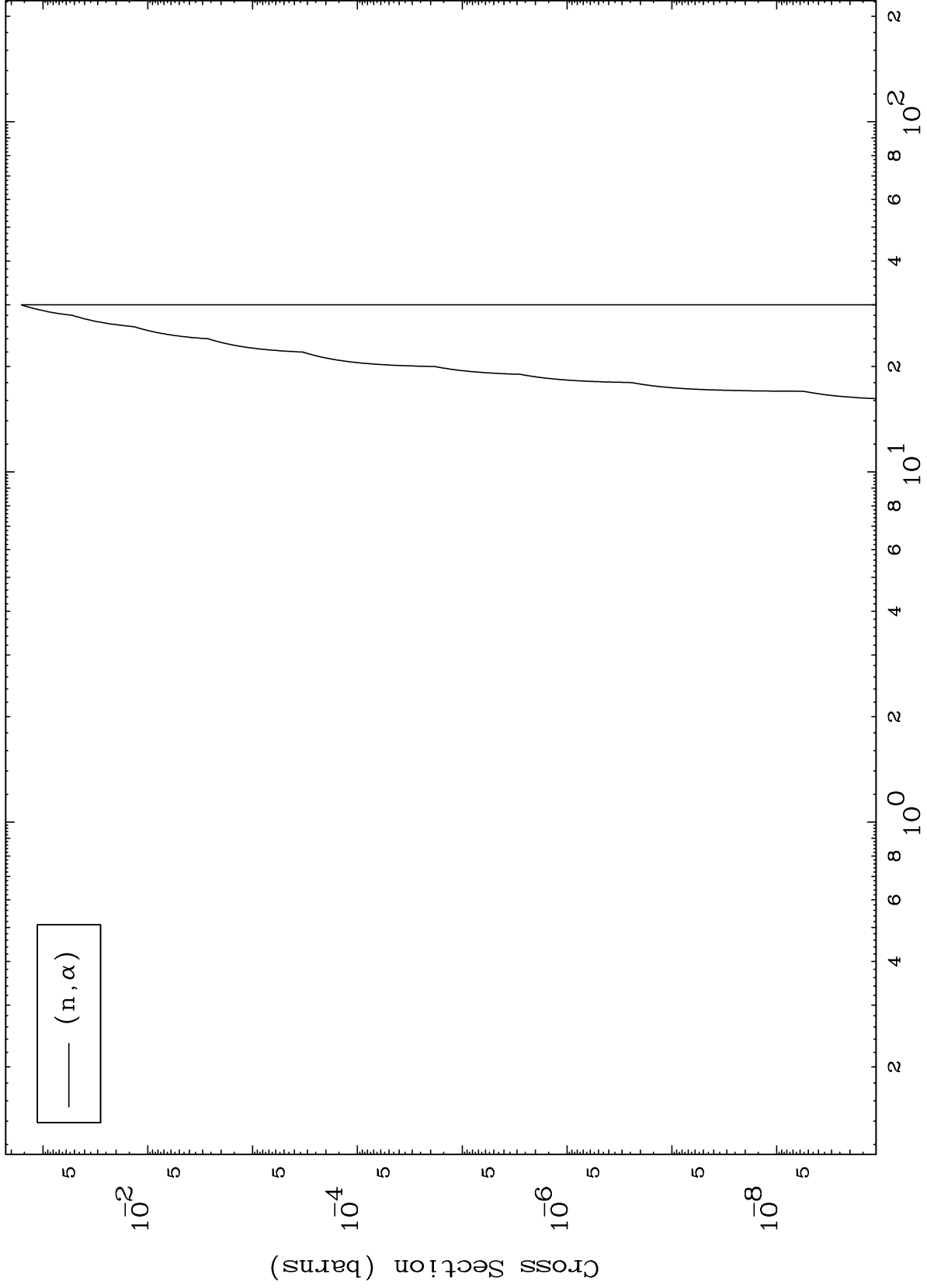


MAT 7738

(α, α) Levels

77-Ir-195m

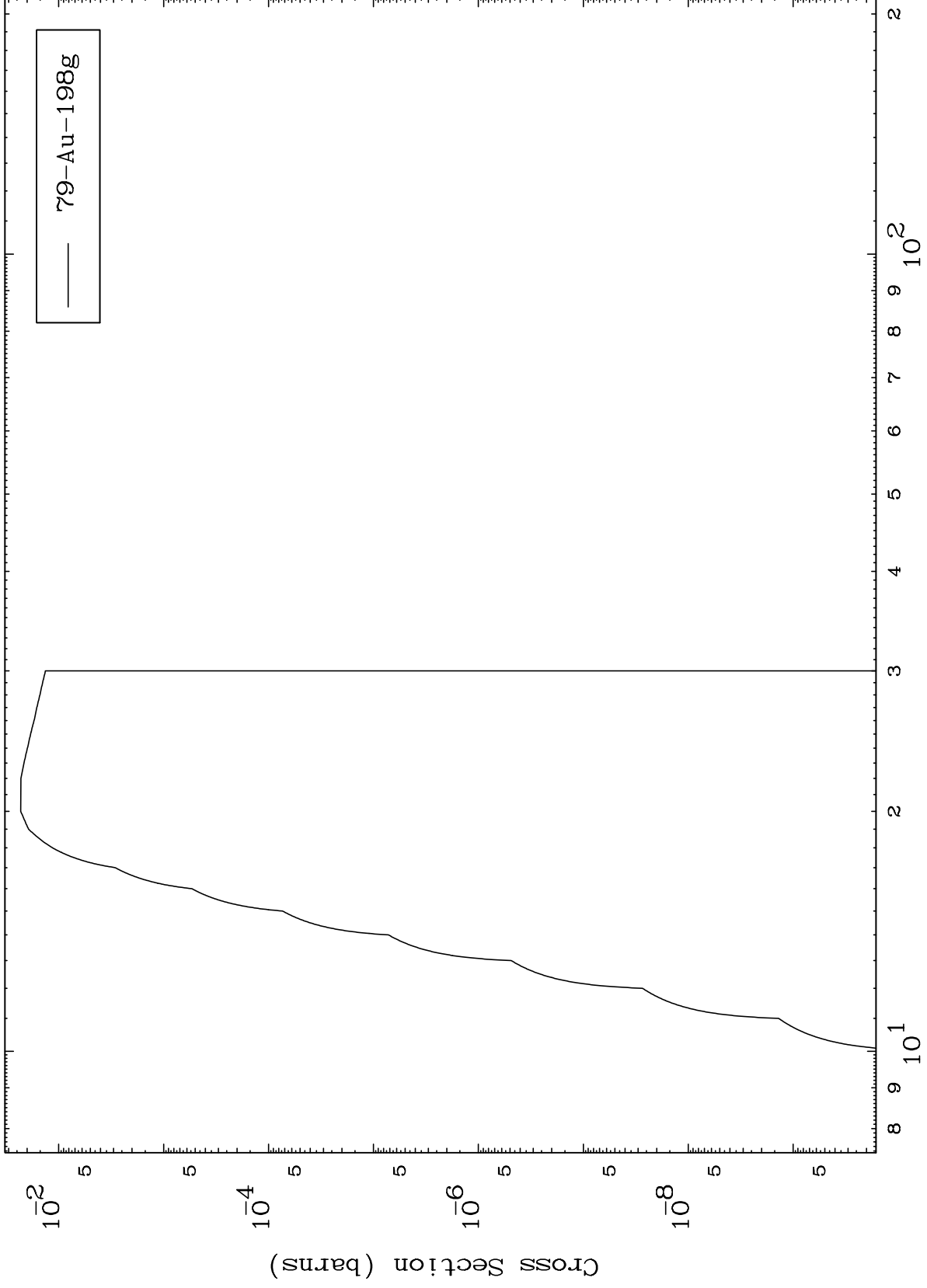
0 Kelvin Cross Sections



MAT 7738

77-Ir-195m

Inelastic
Radionuclide Production Cross Section



10

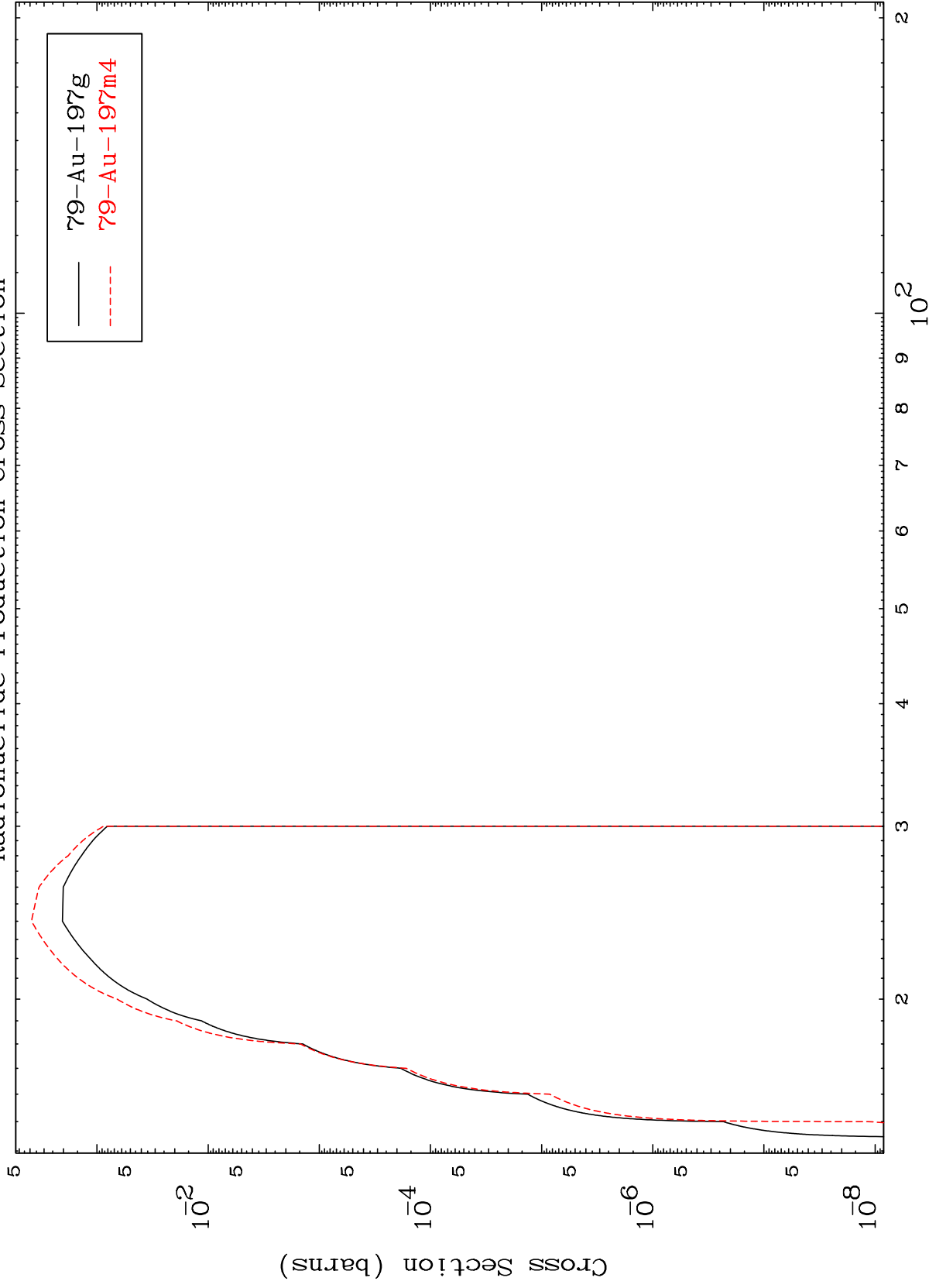
Incident Energy (MeV)

77-Ir-195m

MAT 7738

77-Ir-195m

(n,2n)
Radionuclide Production Cross Section



77-Ir-195m

Incident Energy (MeV)

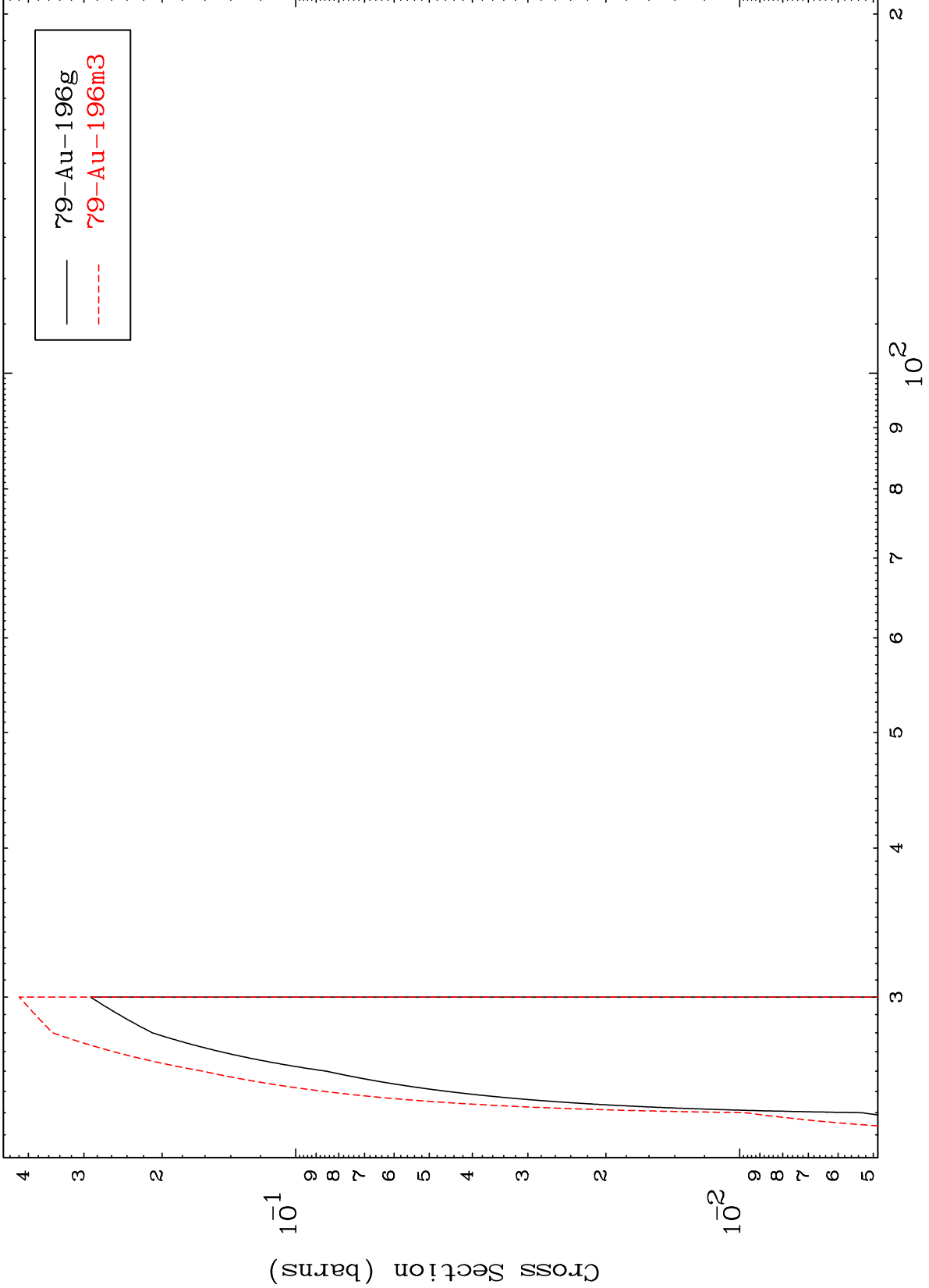
11

MAT 7738

(n,3n)

⁷⁷Ir-195m

Radionuclide Production Cross Section



⁷⁹Au-196g
⁷⁹Au-196m3

12

Incident Energy (MeV)

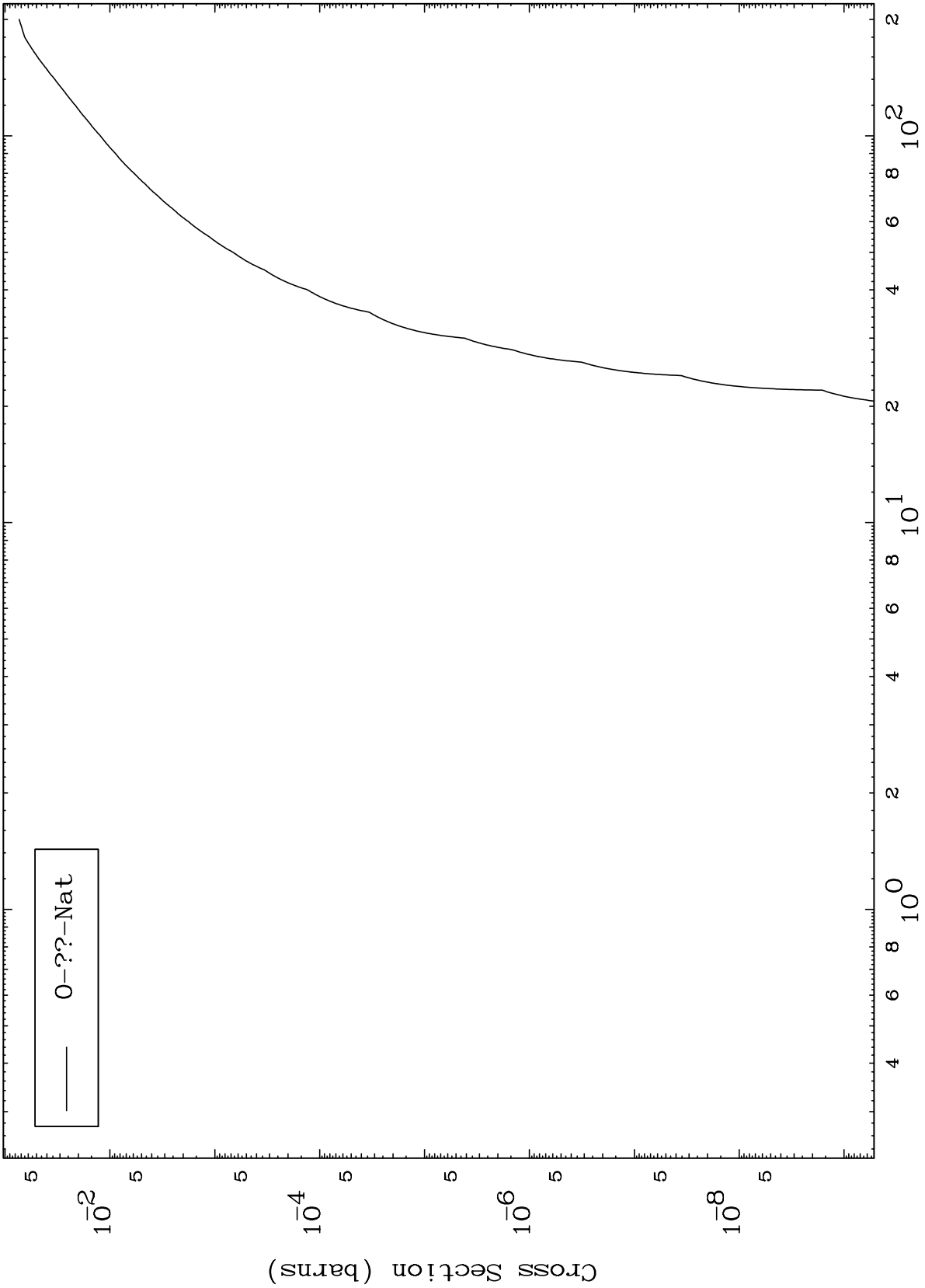
⁷⁷Ir-195m

MAT 7738

Fission

⁷⁷Ir-195m

Radionuclide Production Cross Section



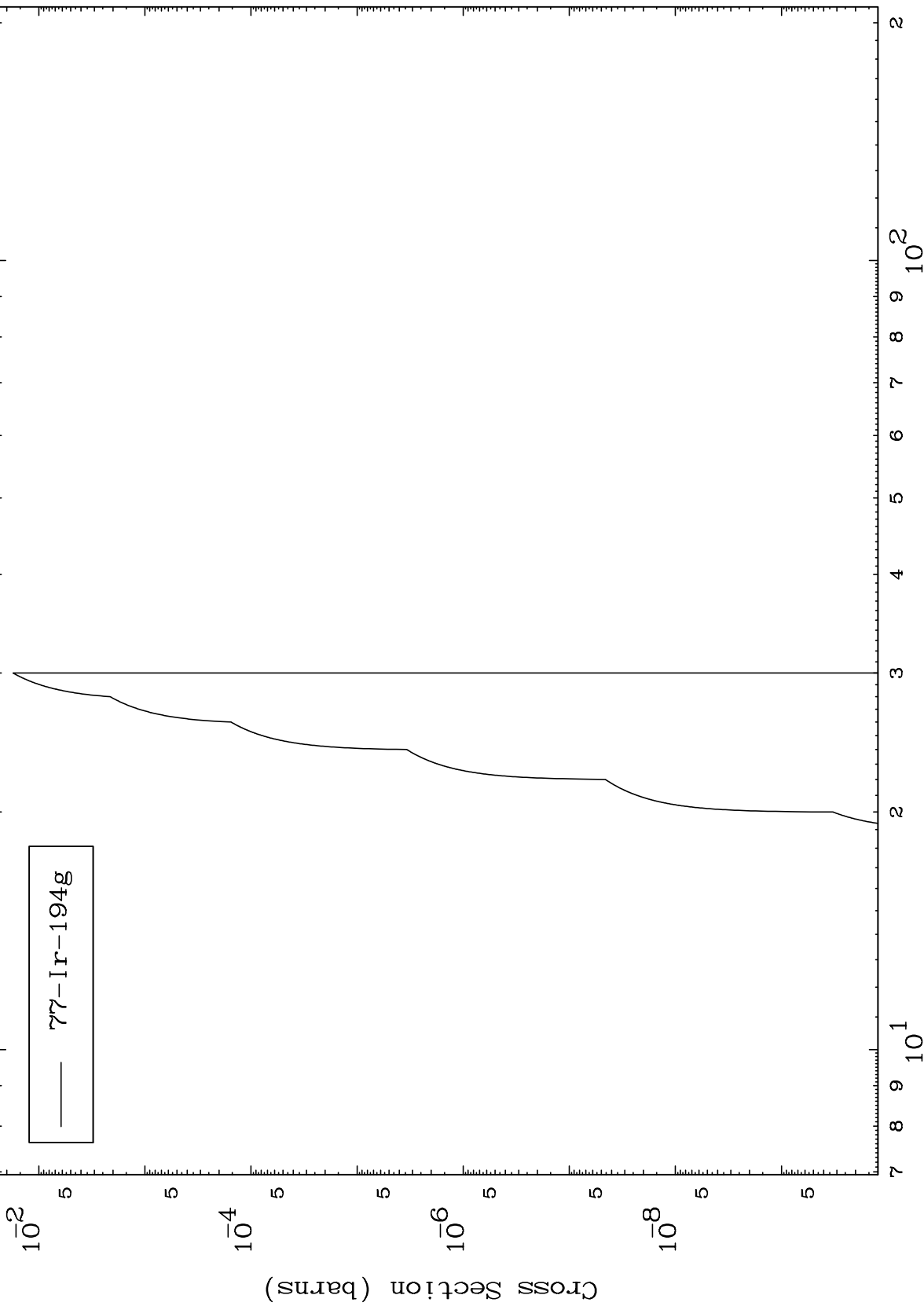
0-??-Nat

MAT 7738

(n,n') α

77-Ir-195m

Radionuclide Production Cross Section



77-Ir-194g

14

Incident Energy (MeV)

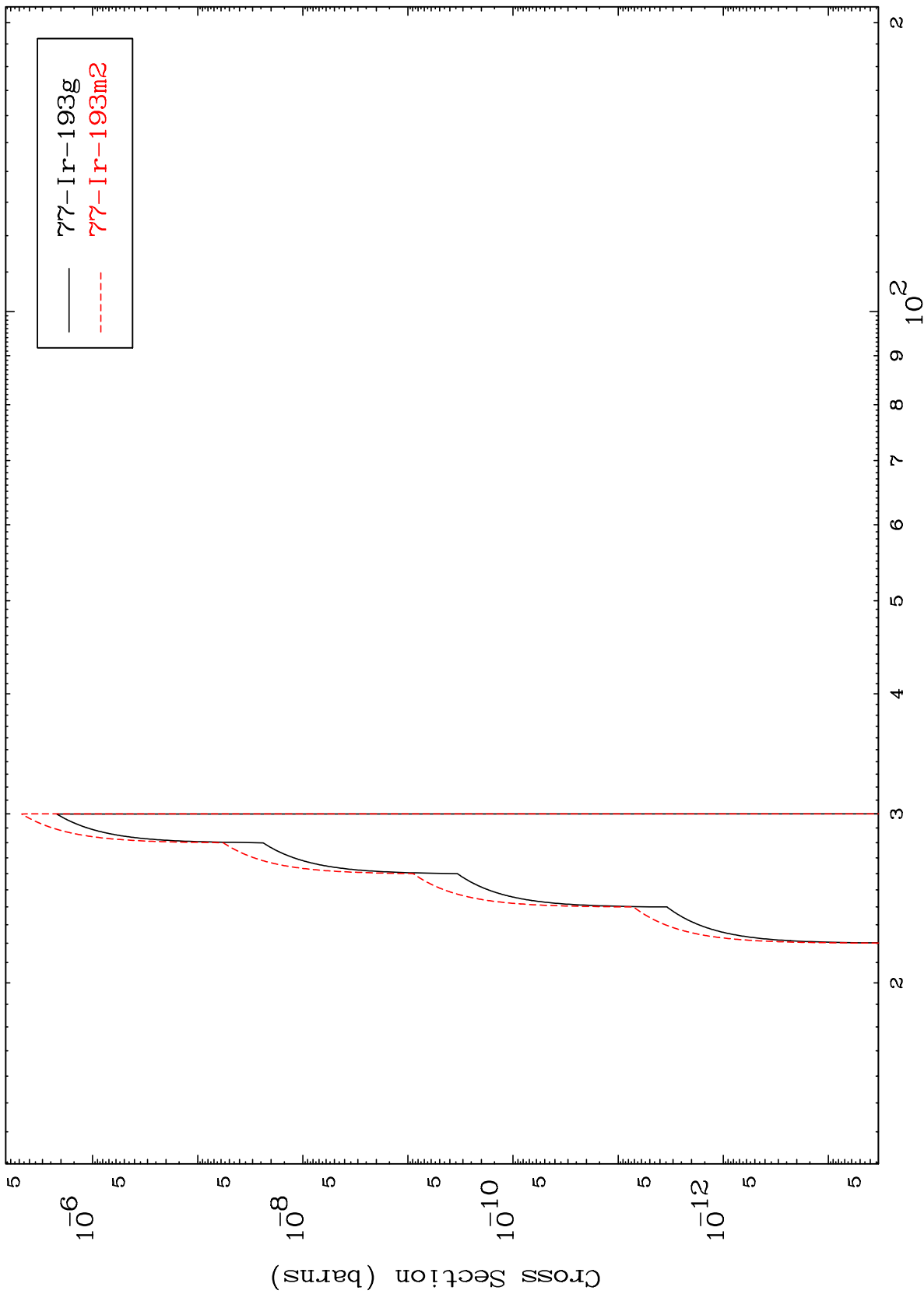
77-Ir-195m

MAT 7738

(n,2n) α

77-Ir-195m

Radionuclide Production Cross Section



15

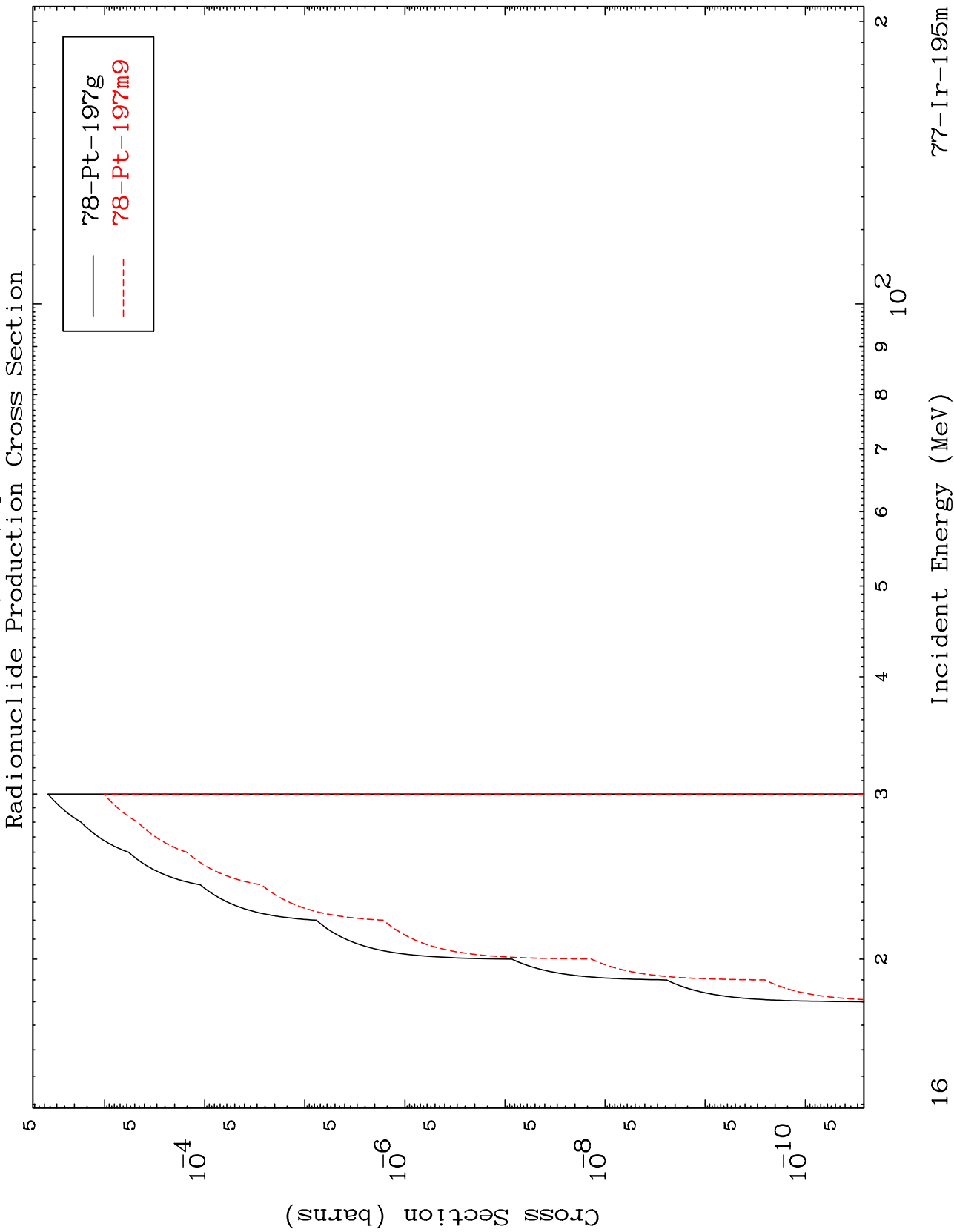
Incident Energy (MeV)

77-Ir-195m

MAT 7738

(n,n') p

77-Ir-195m



16

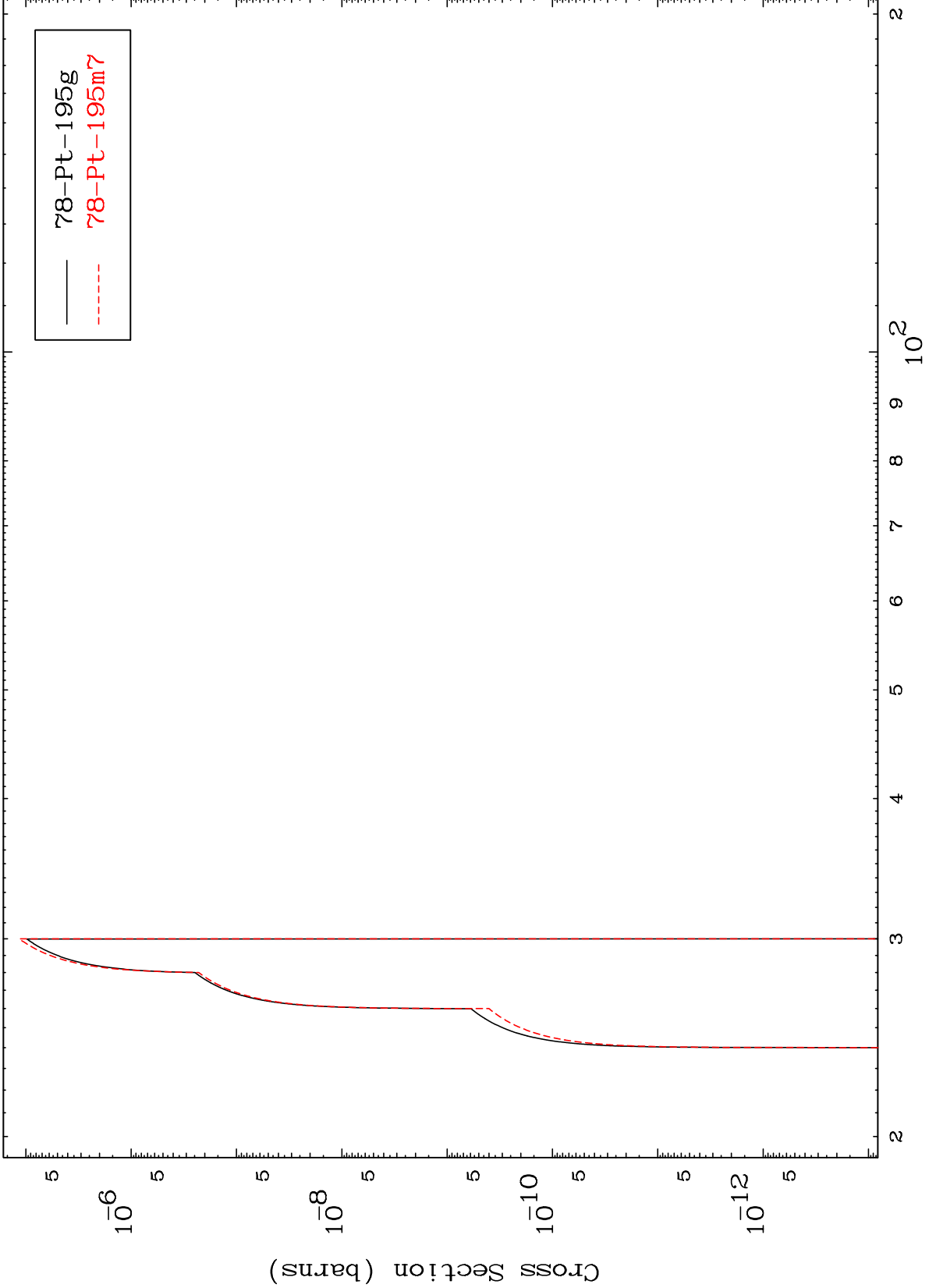
77-Ir-195m

MAT 7738

(n,n') t

77-Ir-195m

Radionuclide Production Cross Section



17

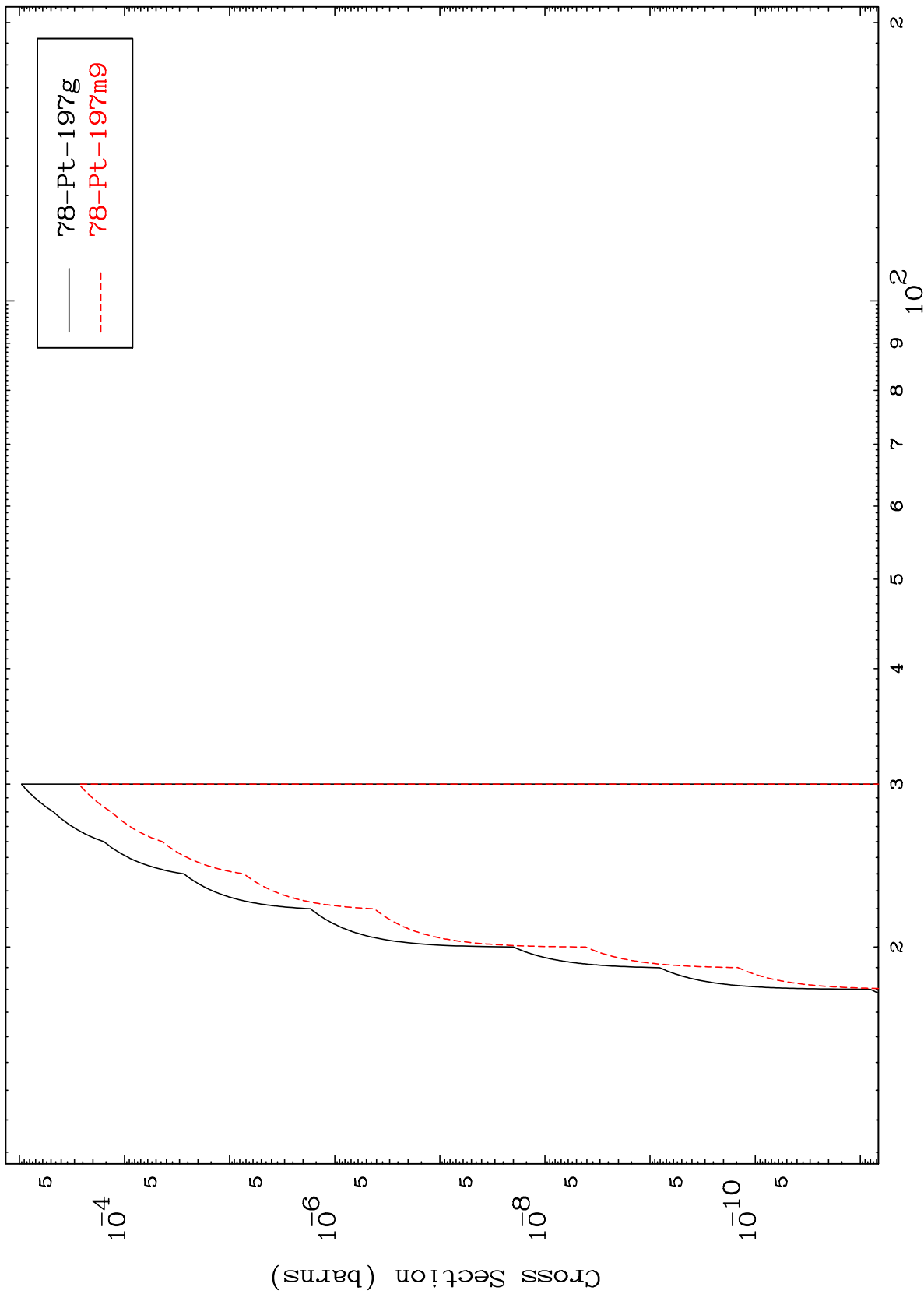
Incident Energy (MeV)

77-Ir-195m

MAT 7738

77-Ir-195m

(n,d)
Radionuclide Production Cross Section



78-Pt-197g
78-Pt-197m9

18

Incident Energy (MeV)

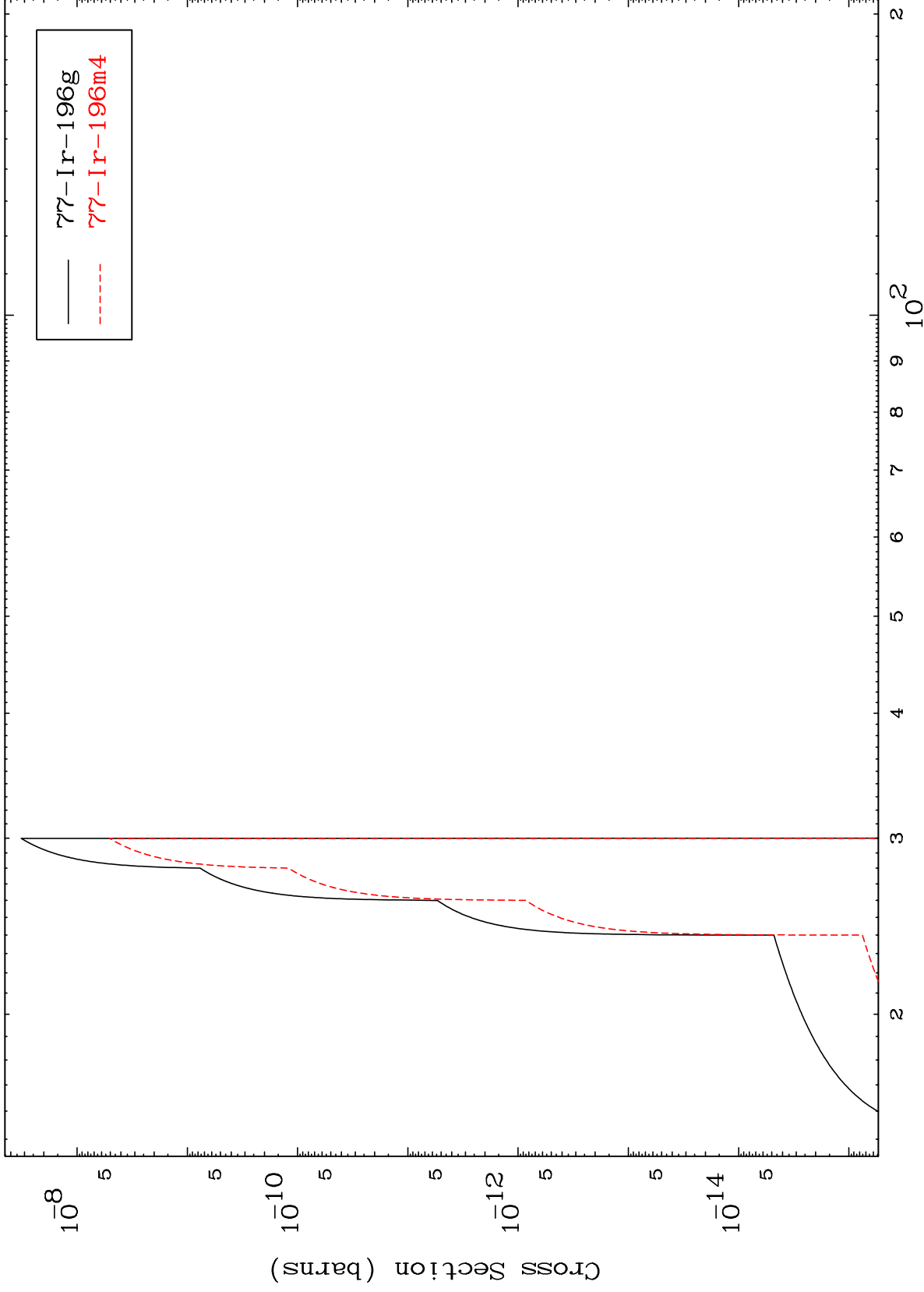
77-Ir-195m

MAT 7738

(n,He-3)

77-Ir-195m

Radionuclide Production Cross Section



19

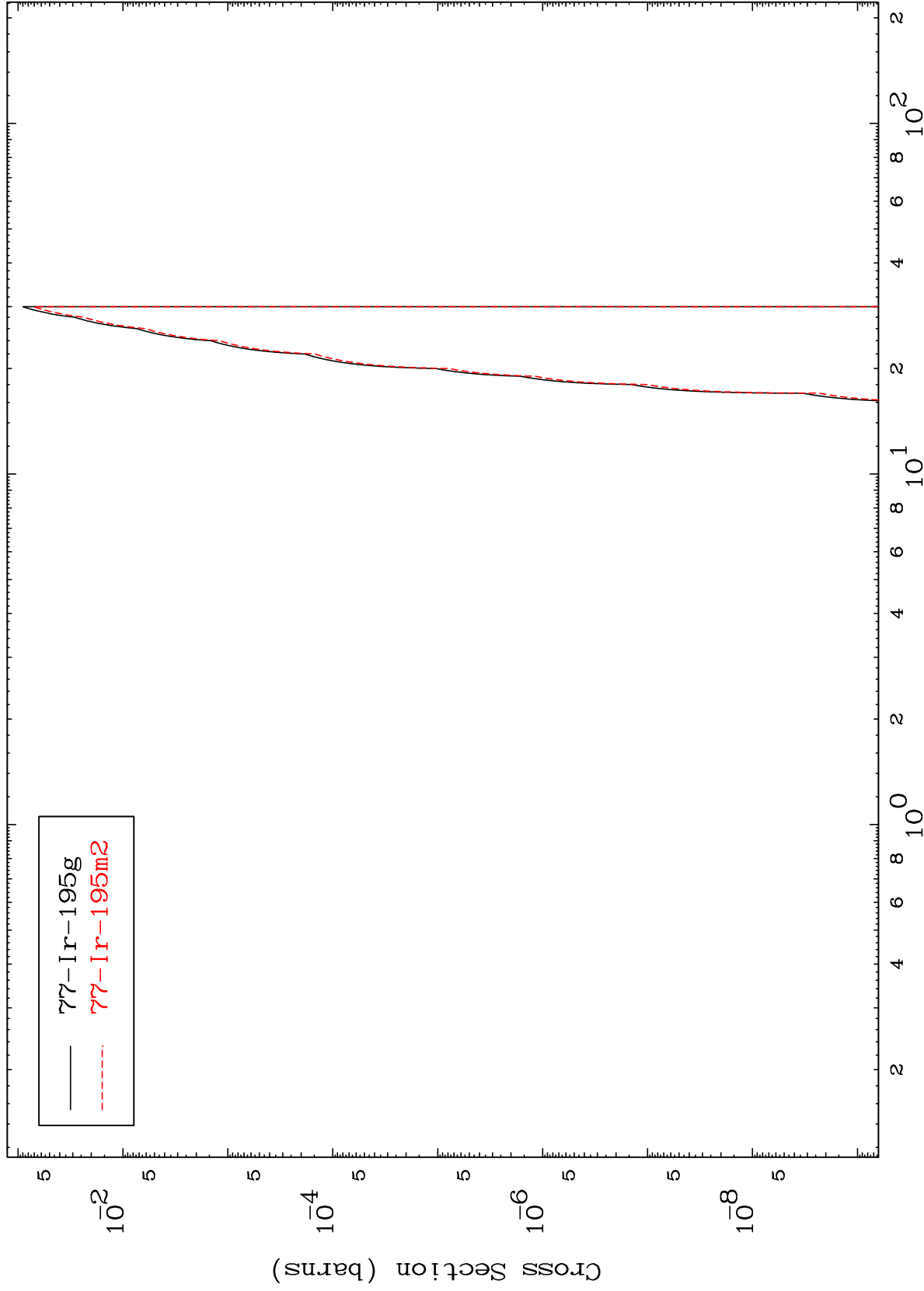
Incident Energy (MeV)

77-Ir-195m

MAT 7738

⁷⁷Ir-195m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

⁷⁷Ir-195m