

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

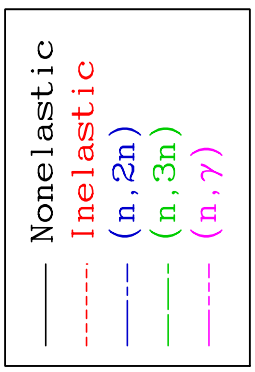
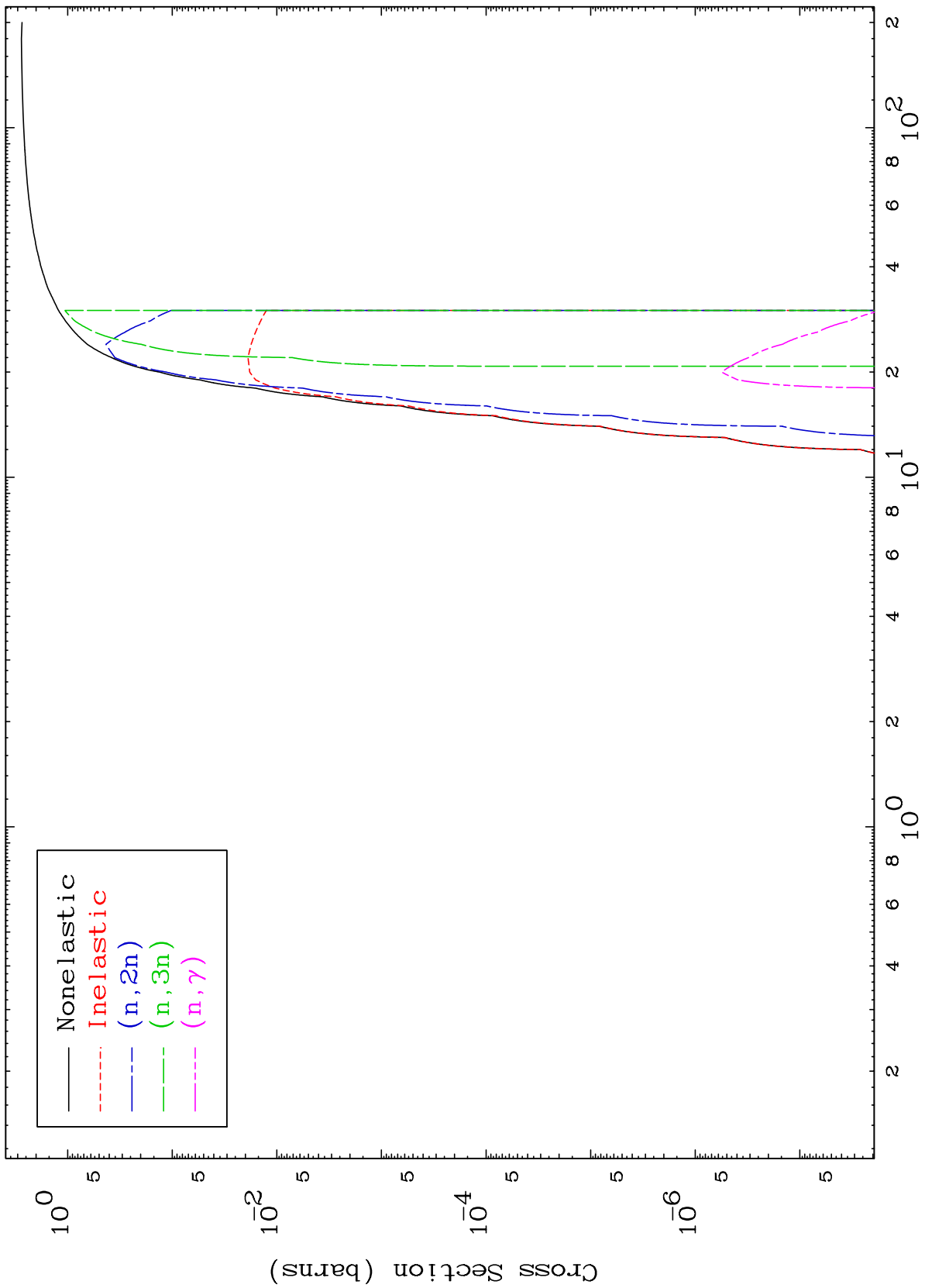
Press Mouse Button to Start

MAT 7744

α Major

77-Ir-197m

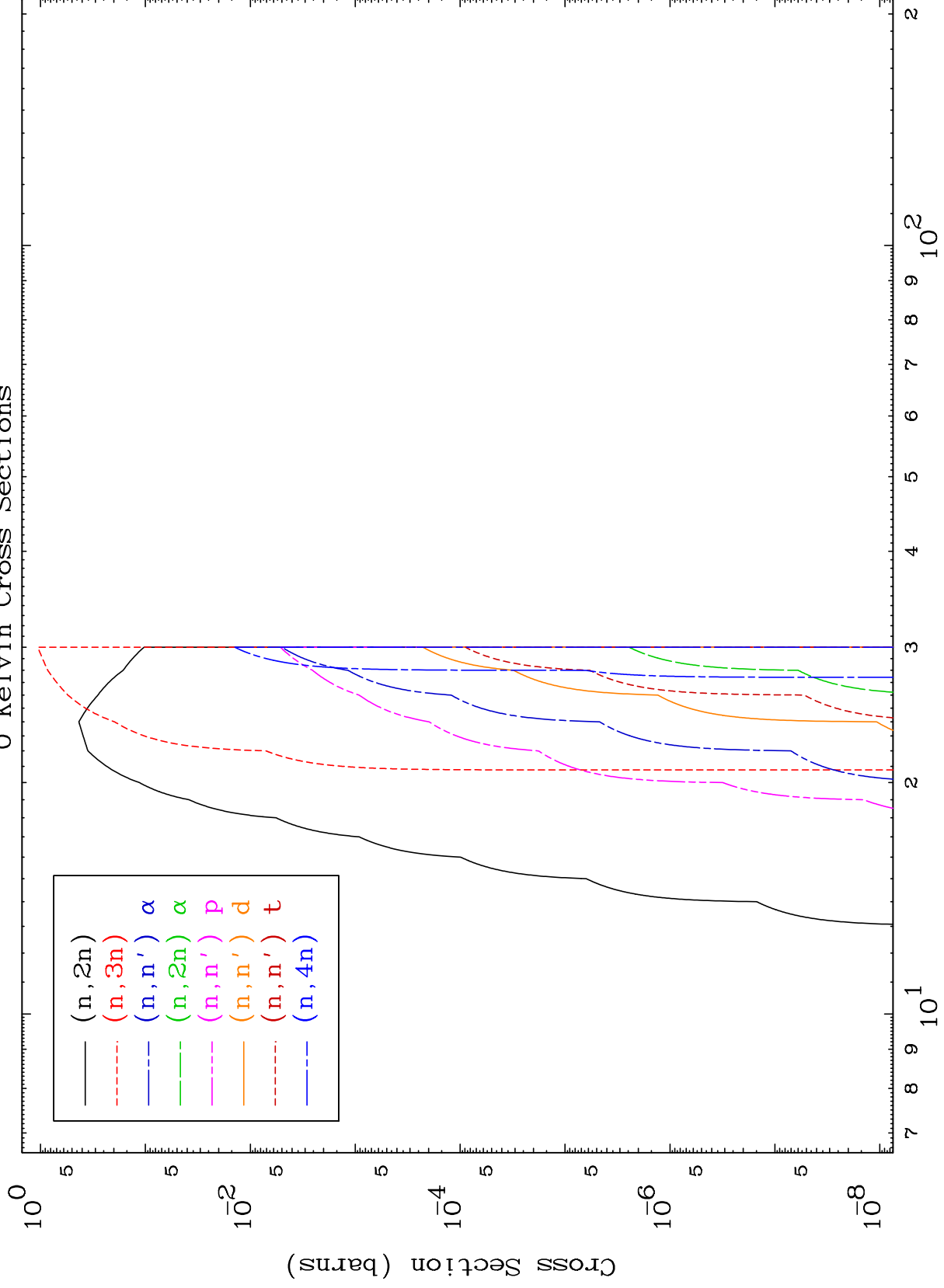
0 Kelvin Cross Sections



MAT 7744

α Neutron Absorption
0 Kelvin Cross Sections

77-Ir-197m



2

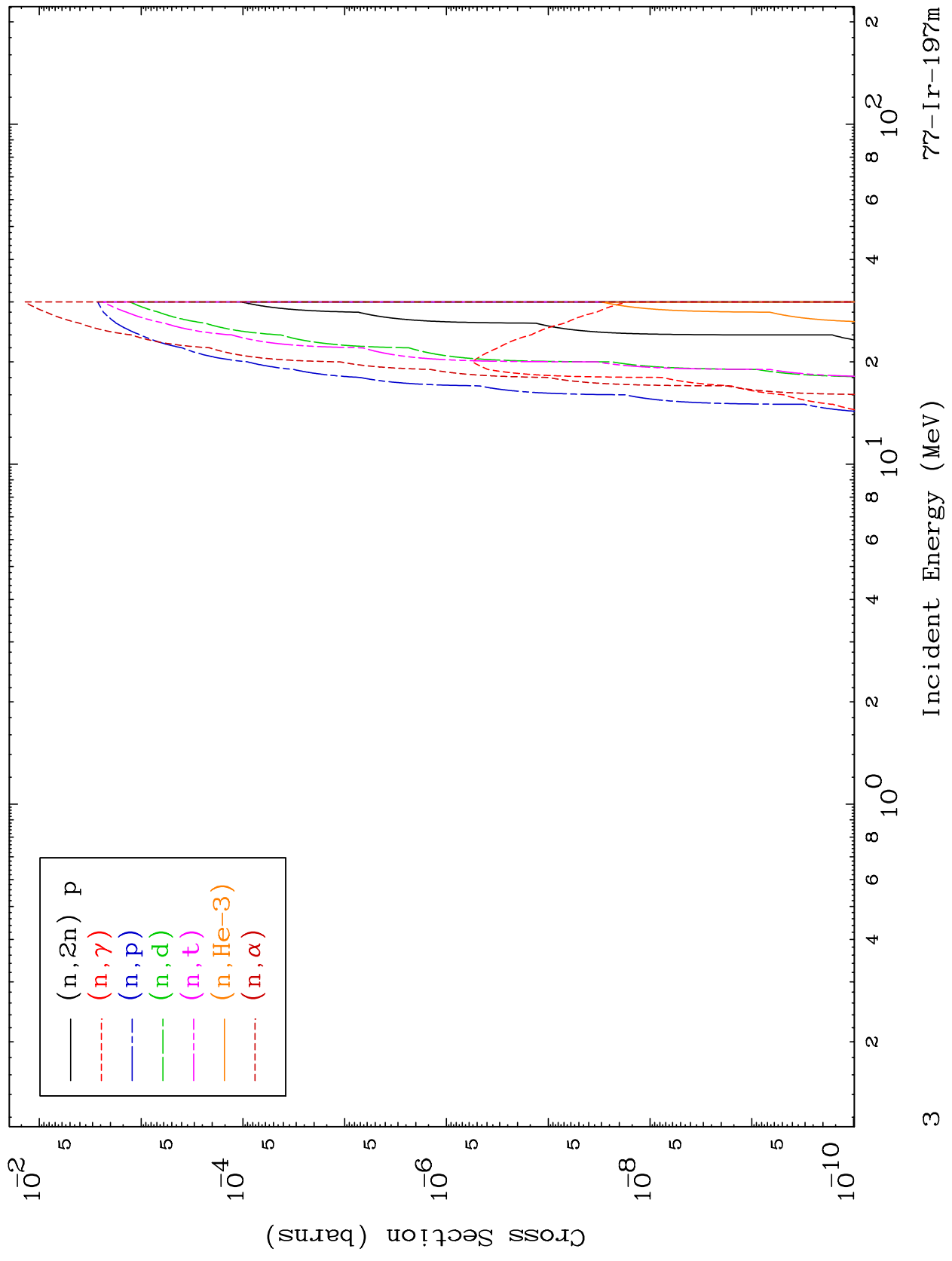
Incident Energy (MeV)

77-Ir-197m

MAT 7744

α Neutron Absorption
0 Kelvin Cross Sections

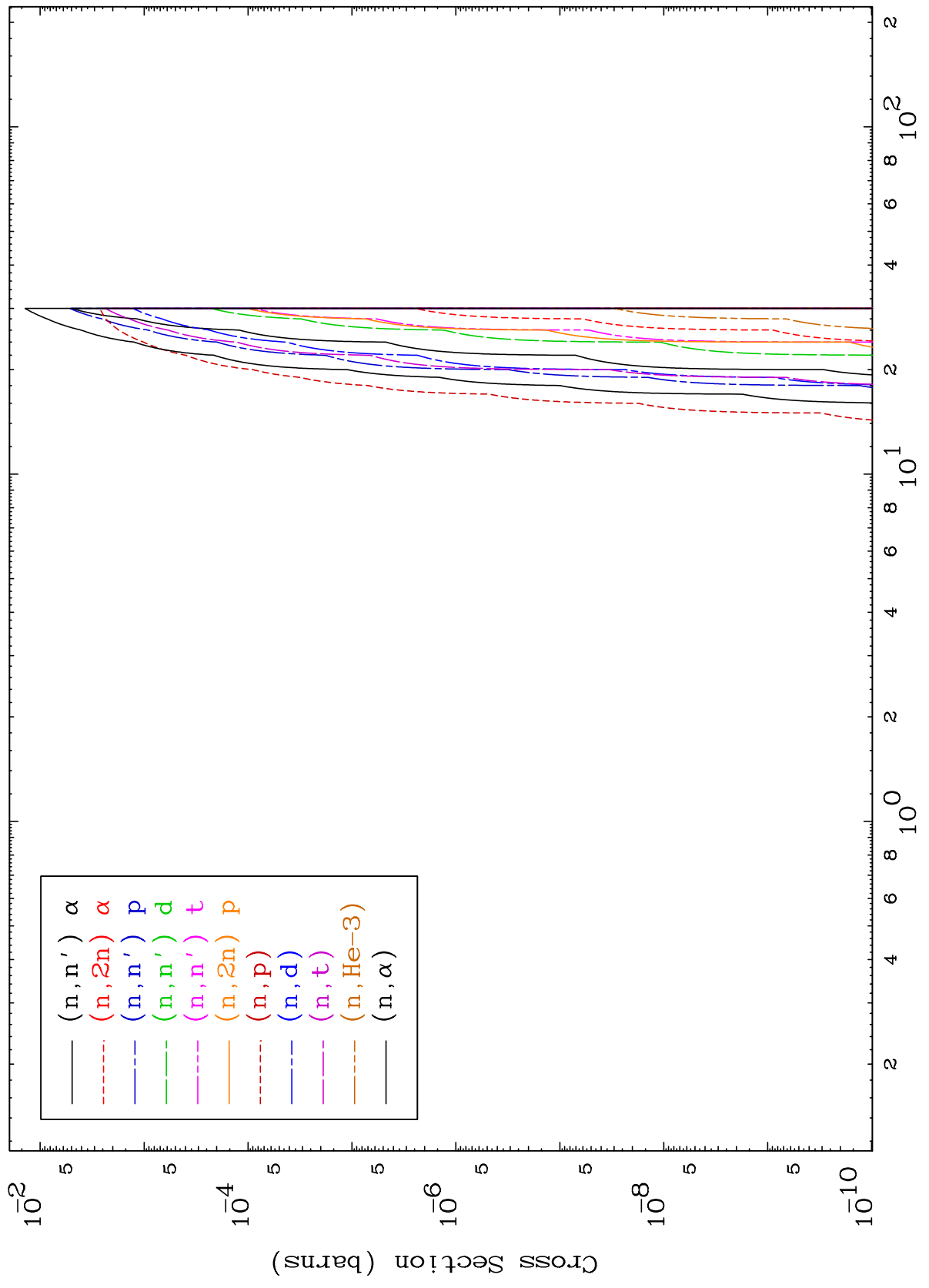
77-Ir-197m



MAT 7744

α Charged Particle
0 Kelvin Cross Sections

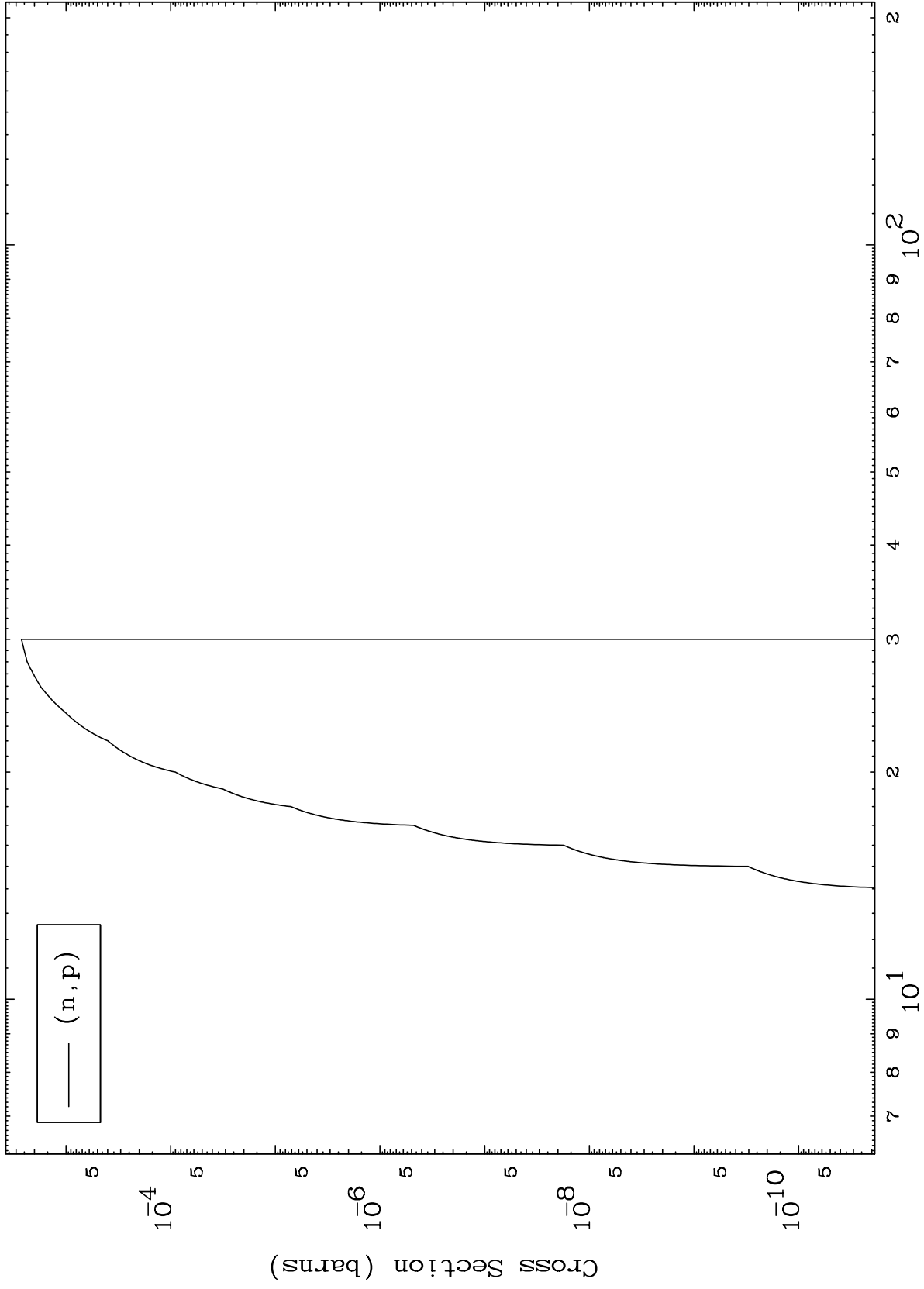
77-Ir-197m



MAT 7744

(α, p) Levels
0 Kelvin Cross Sections

77-Ir-197m



5

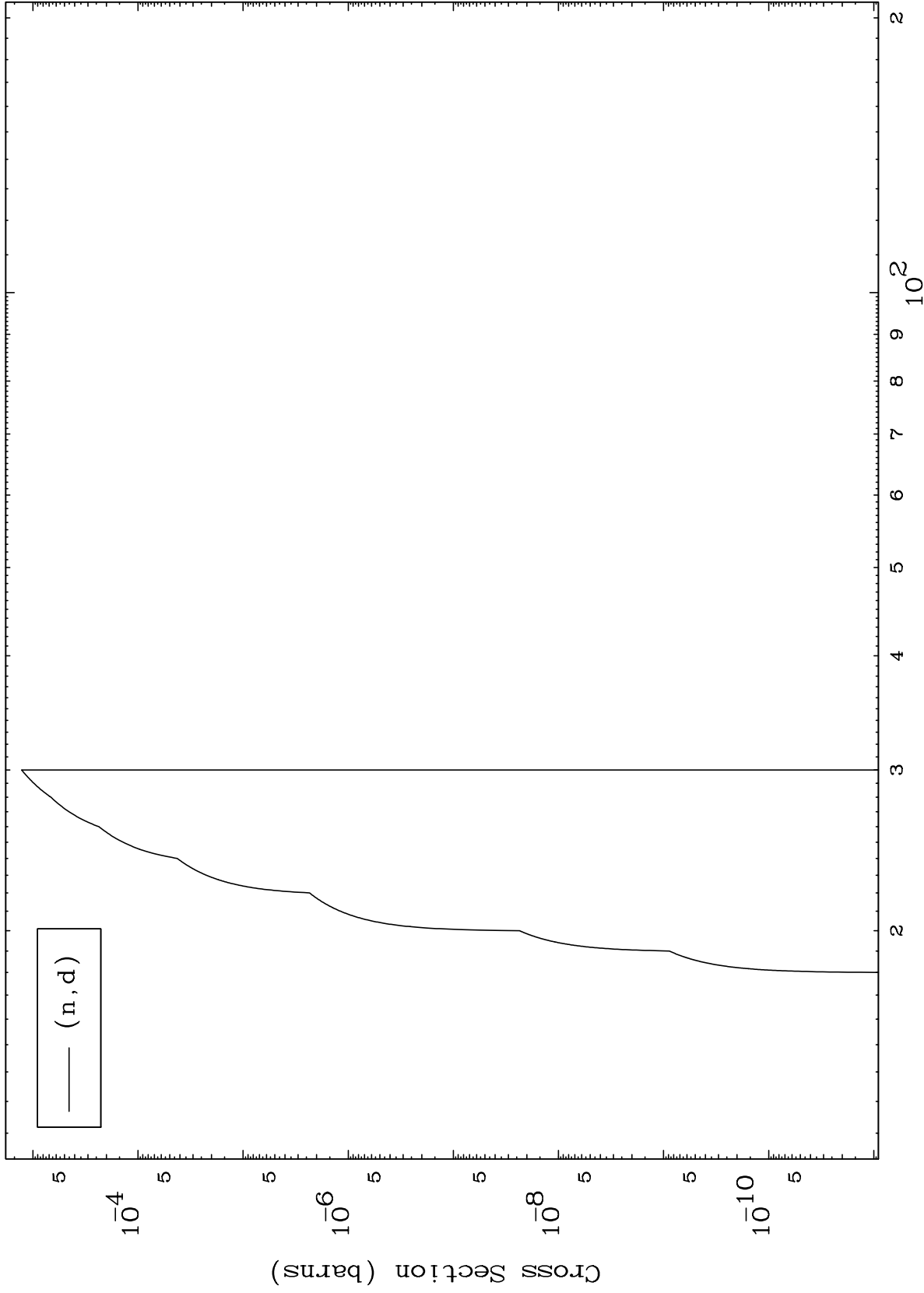
Incident Energy (MeV)

77-Ir-197m

MAT 7744

(α, d) Levels
0 Kelvin Cross Sections

77-Ir-197m



6

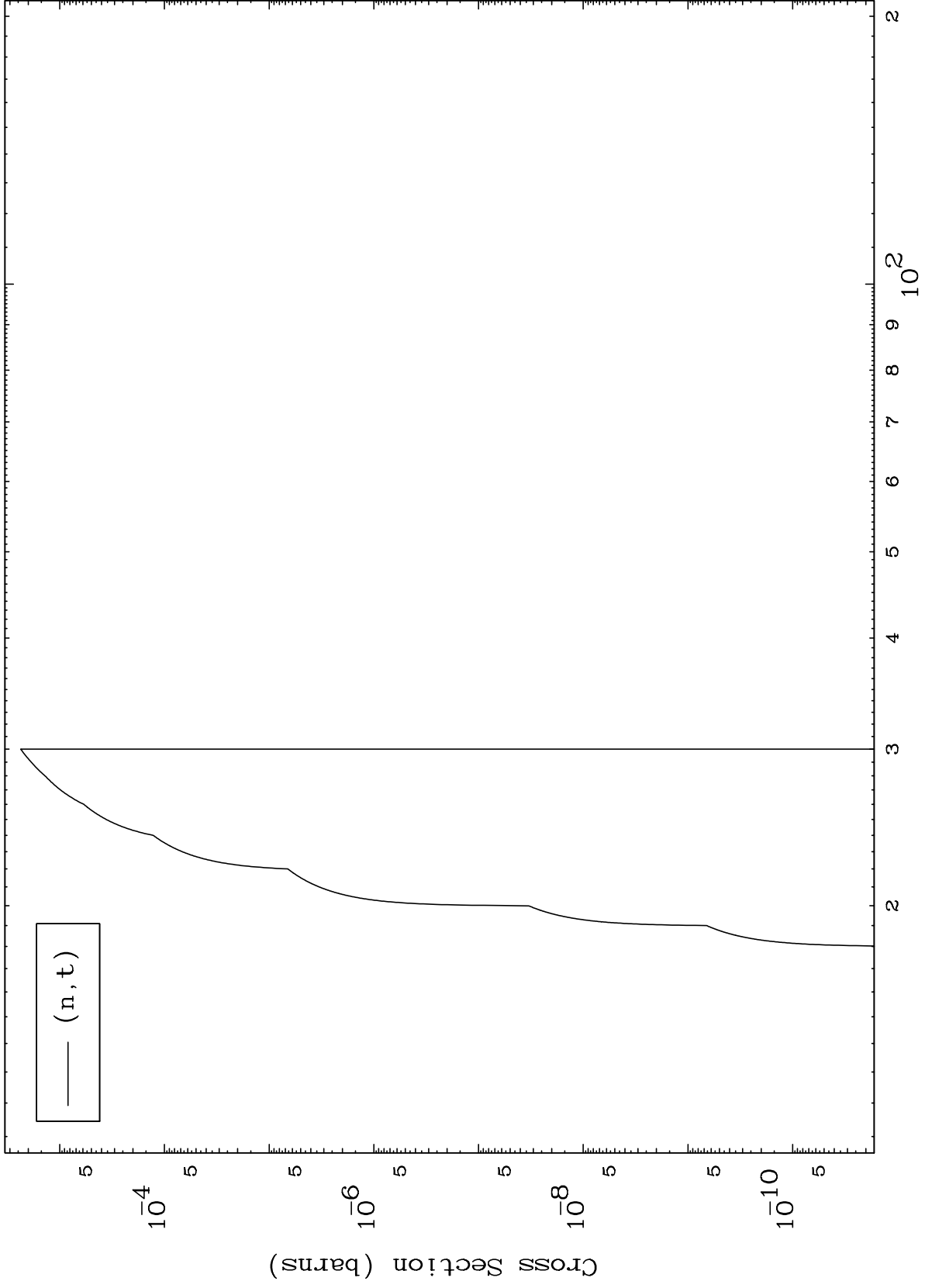
Incident Energy (MeV)

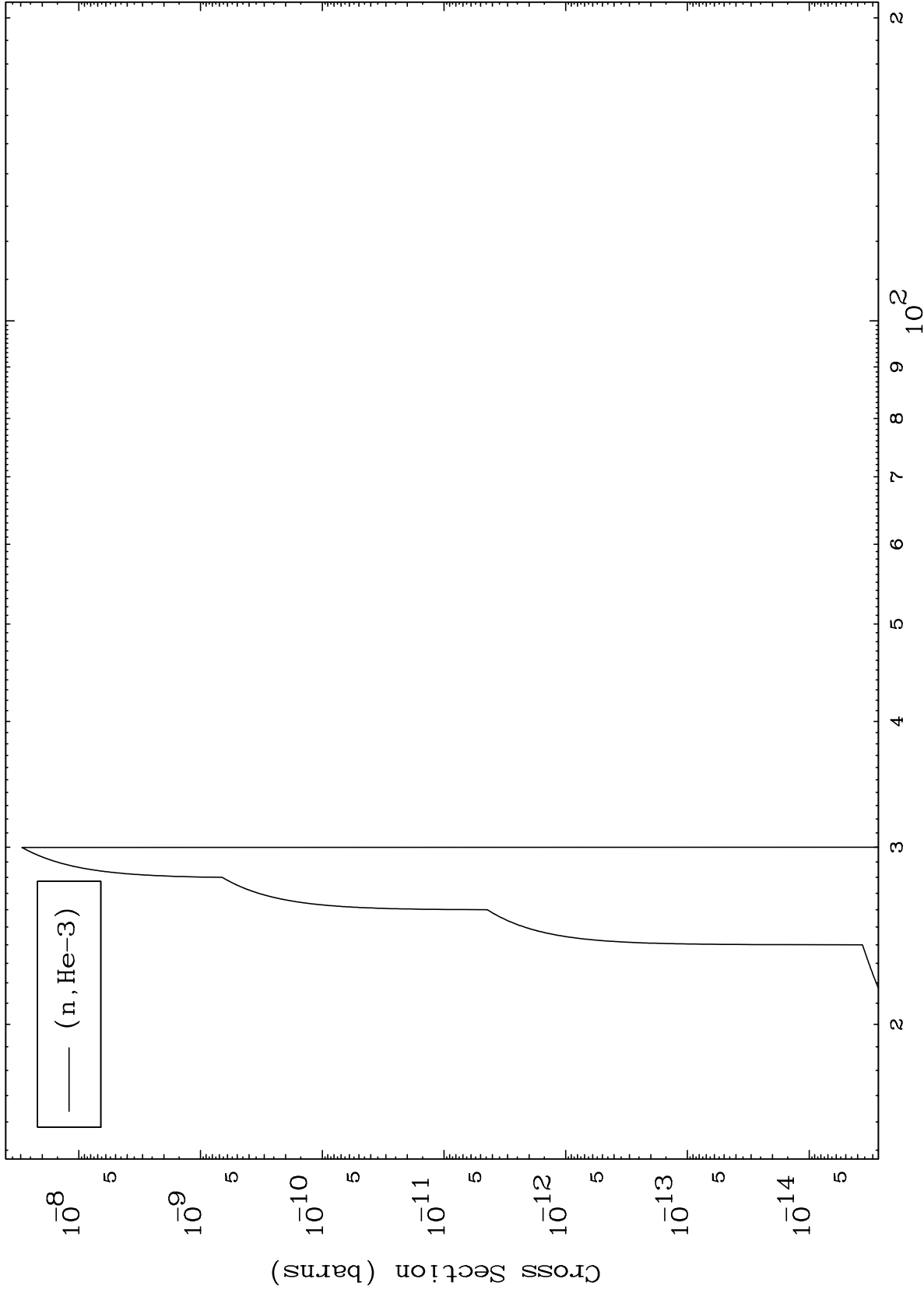
77-Ir-197m

MAT 7744

(α, t) Levels
0 Kelvin Cross Sections

77-Ir-197m



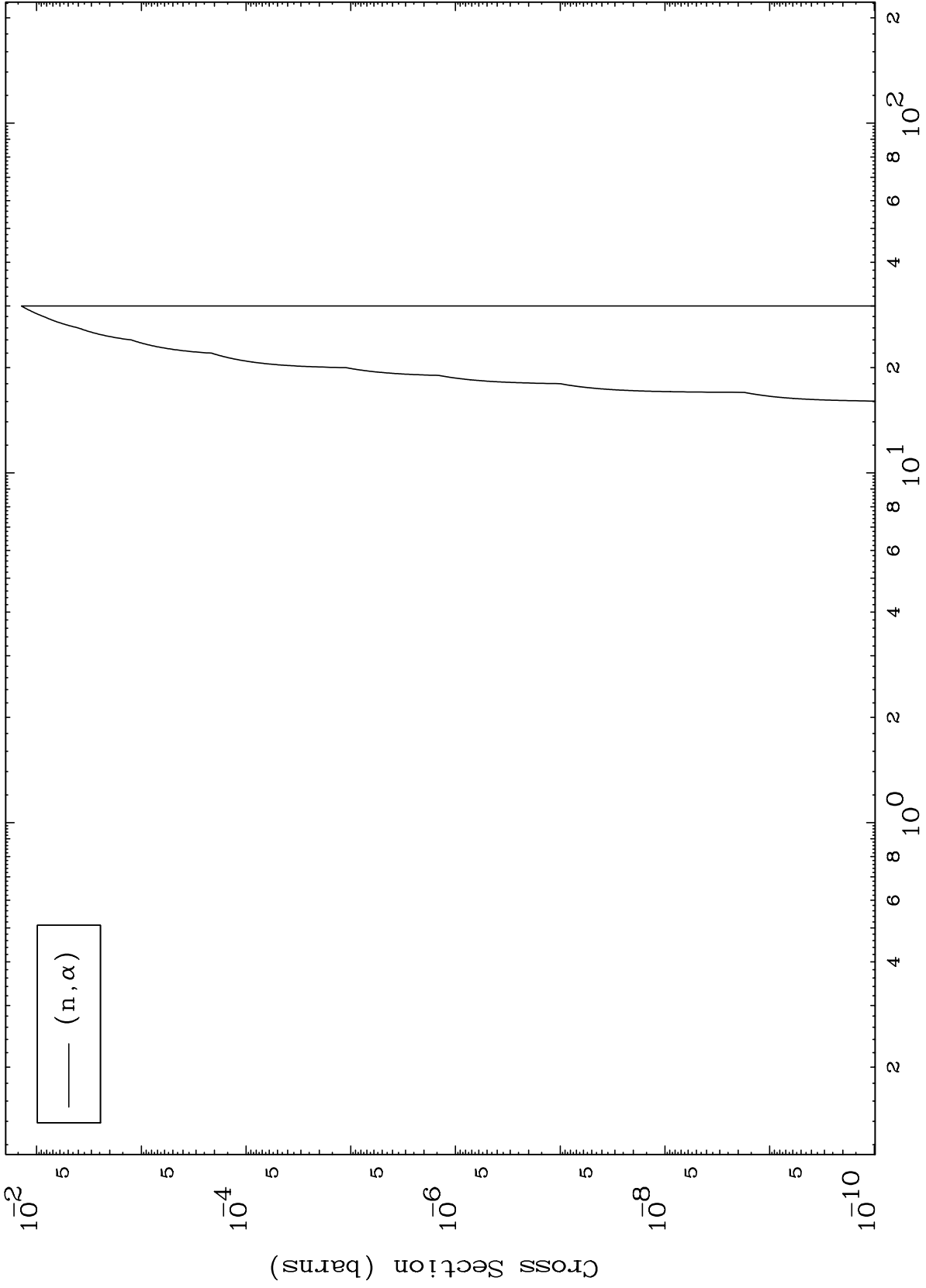


MAT 7744

(α, α) Levels

77-Ir-197m

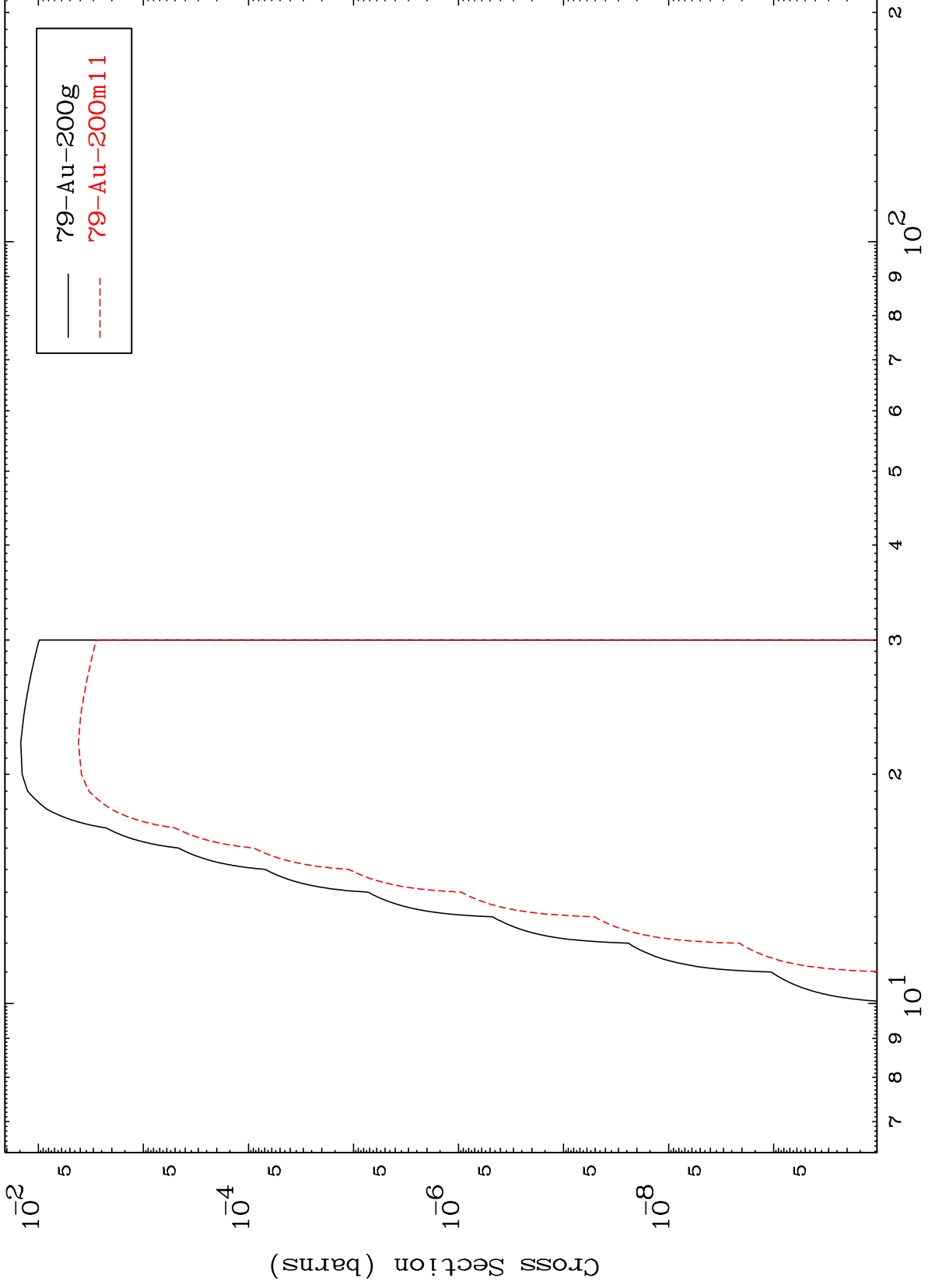
0 Kelvin Cross Sections



MAT 7744

Inelastic
Radionuclide Production Cross Section

77-Ir-197m



10

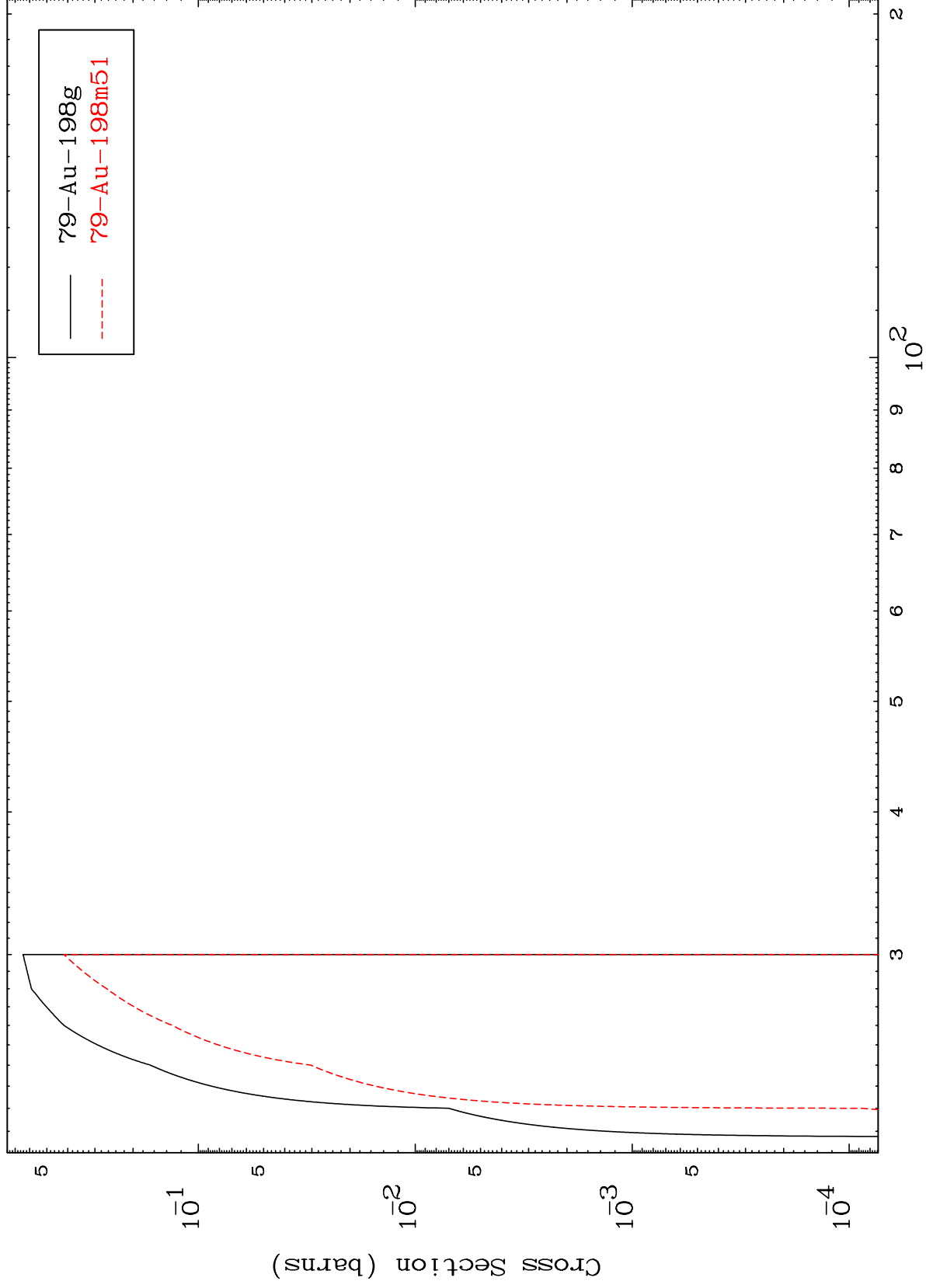
Incident Energy (MeV)

77-Ir-197m

MAT 7744

⁷⁷Ir-197m

(n,3n)
Radionuclide Production Cross Section



⁷⁷Ir-197m

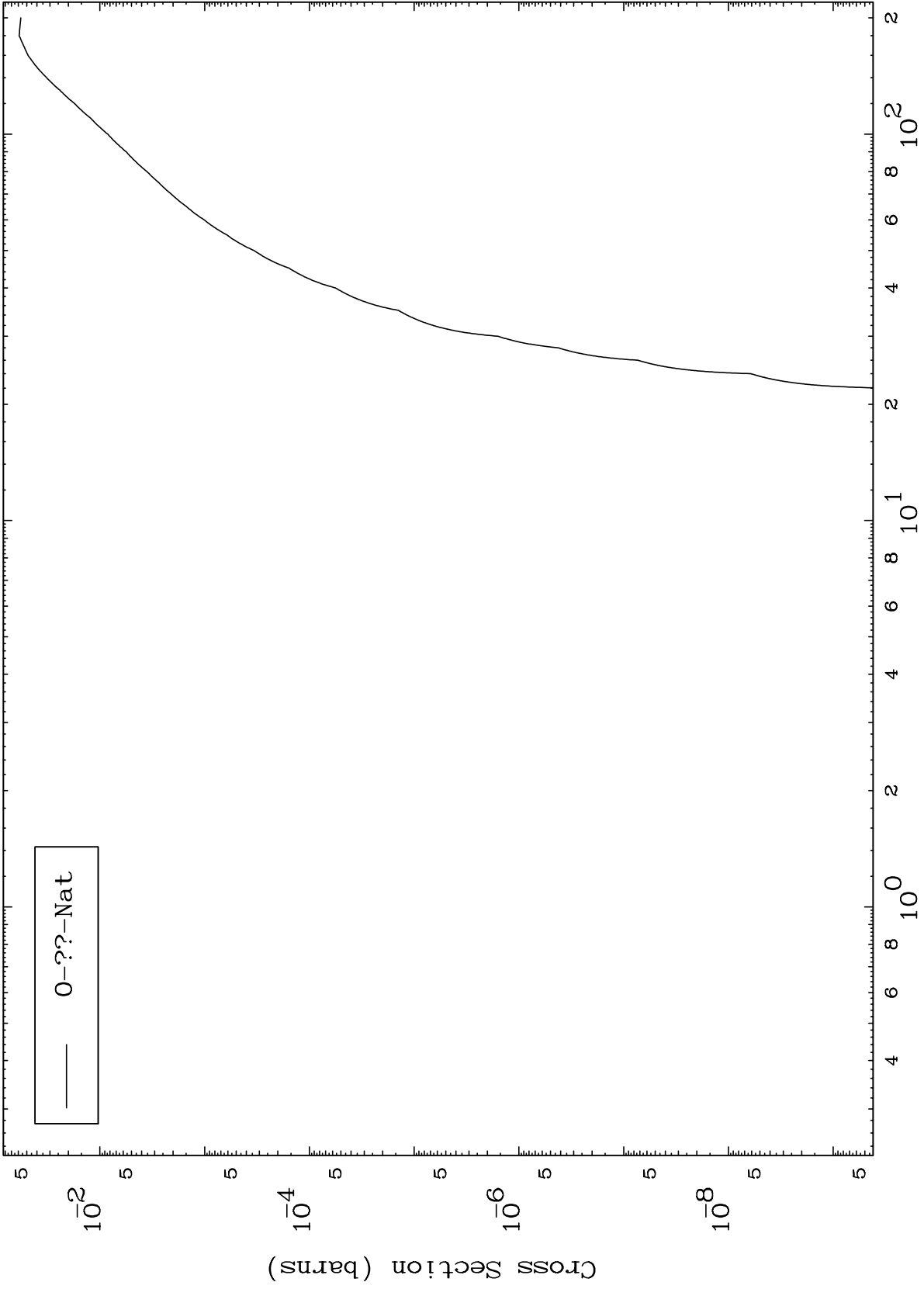
Incident Energy (MeV)

11

MAT 7744

Fission
Radionuclide Production Cross Section

77-Ir-197m

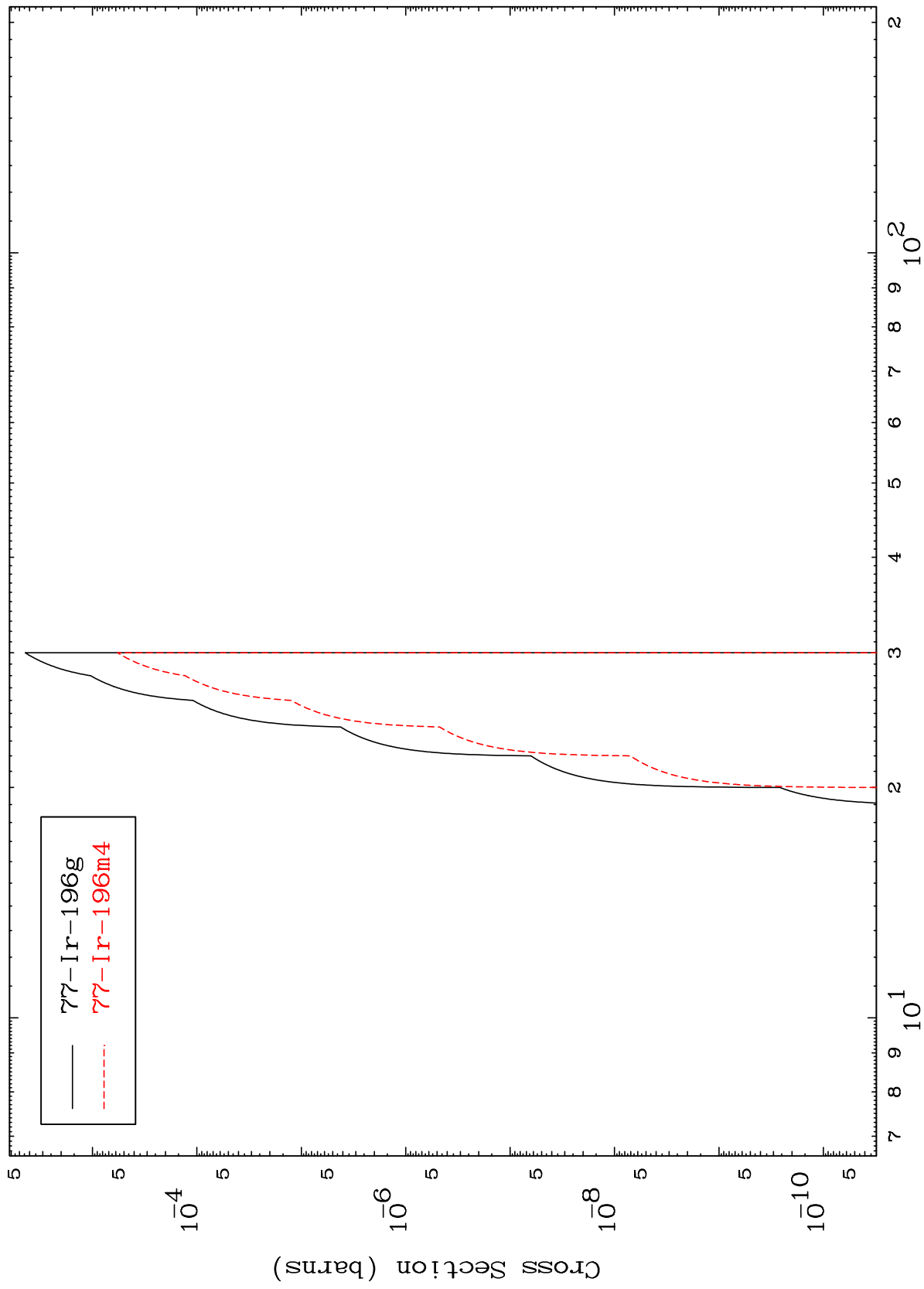


MAT 7744

77-Ir-197m

(n,n') α

Radionuclide Production Cross Section



13

Incident Energy (MeV)

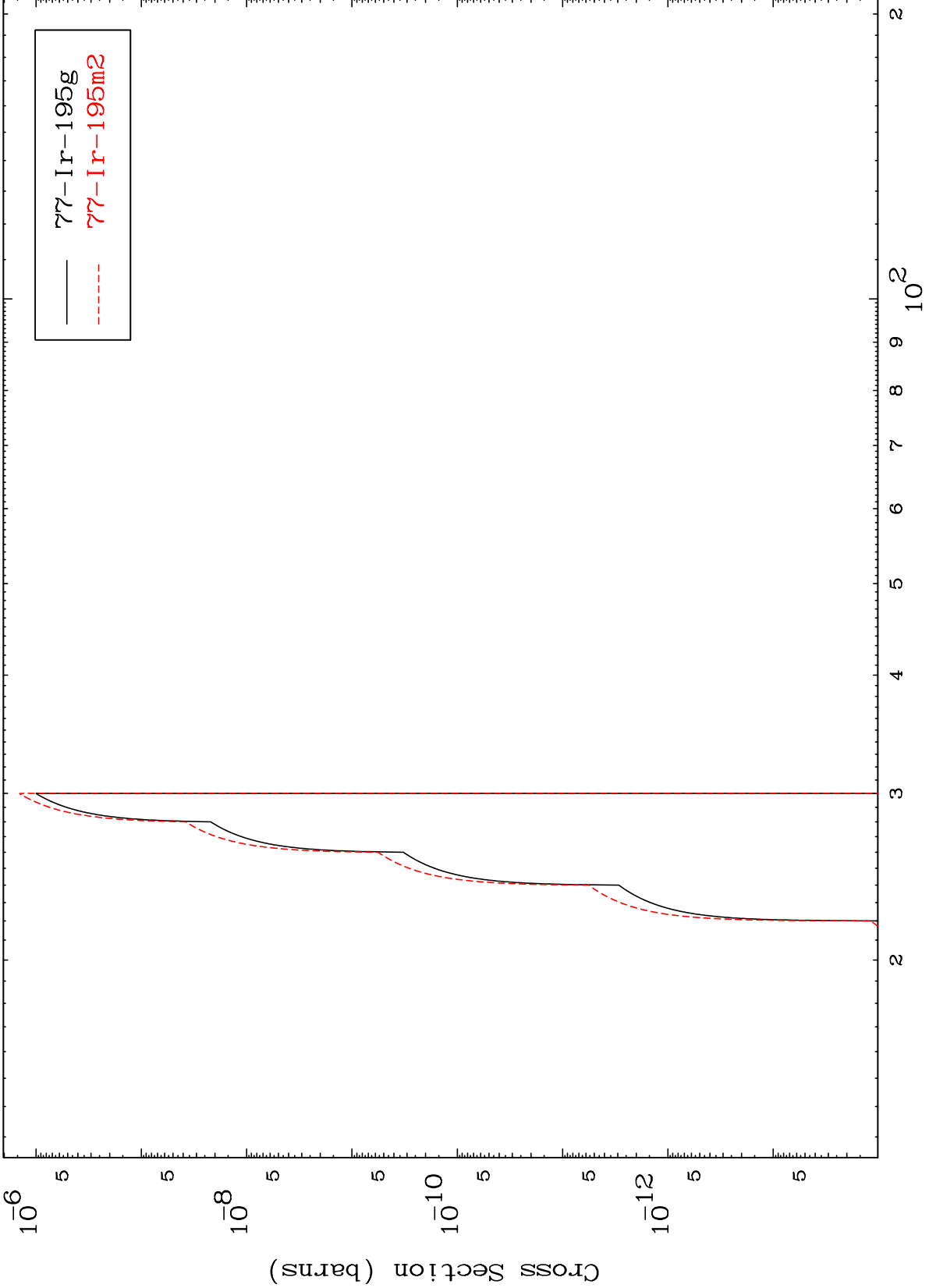
77-Ir-197m

MAT 7744

(n,2n) α

77-Ir-197m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

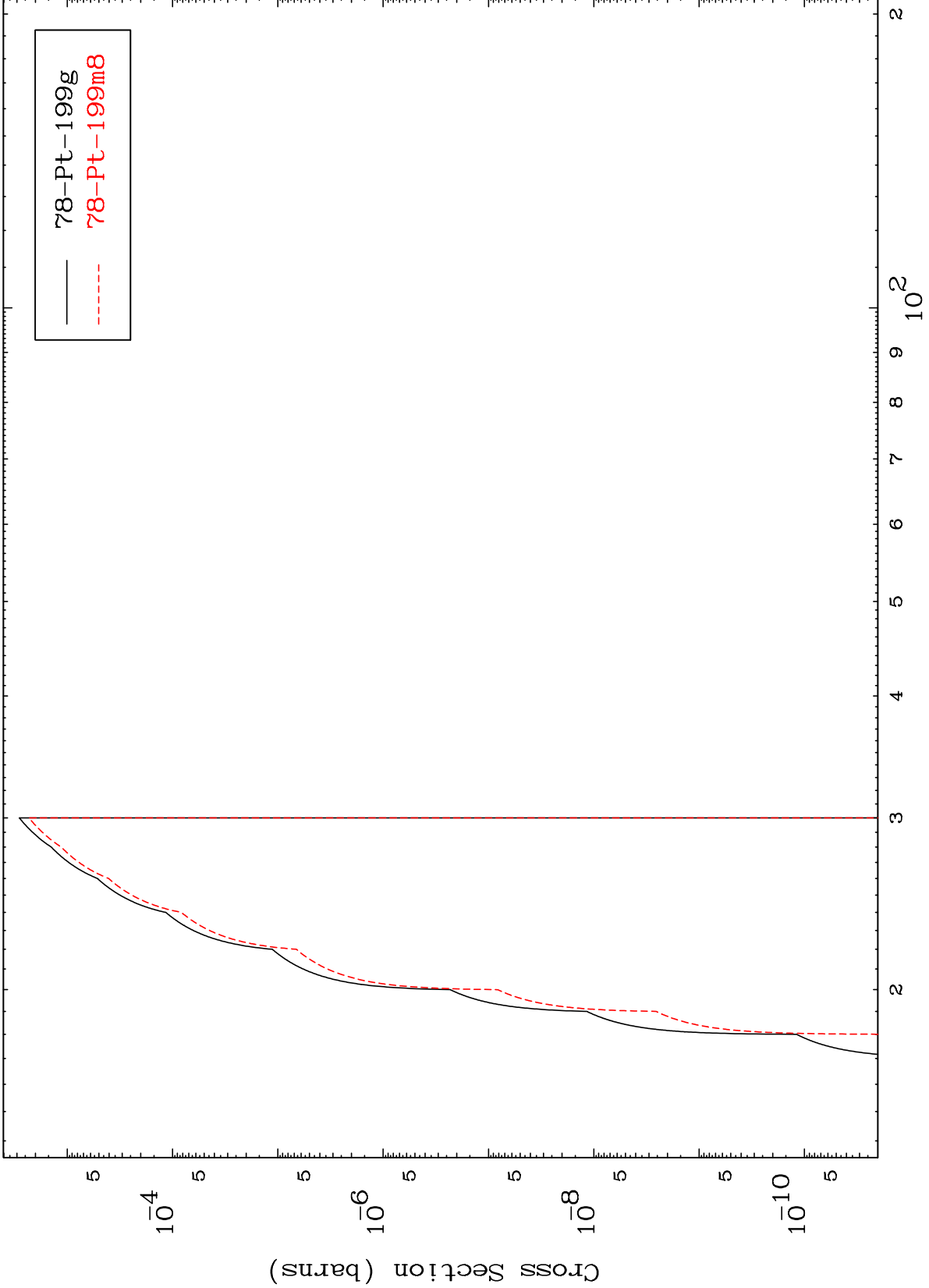
77-Ir-197m

MAT 7744

(n,n') p

77-Ir-197m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

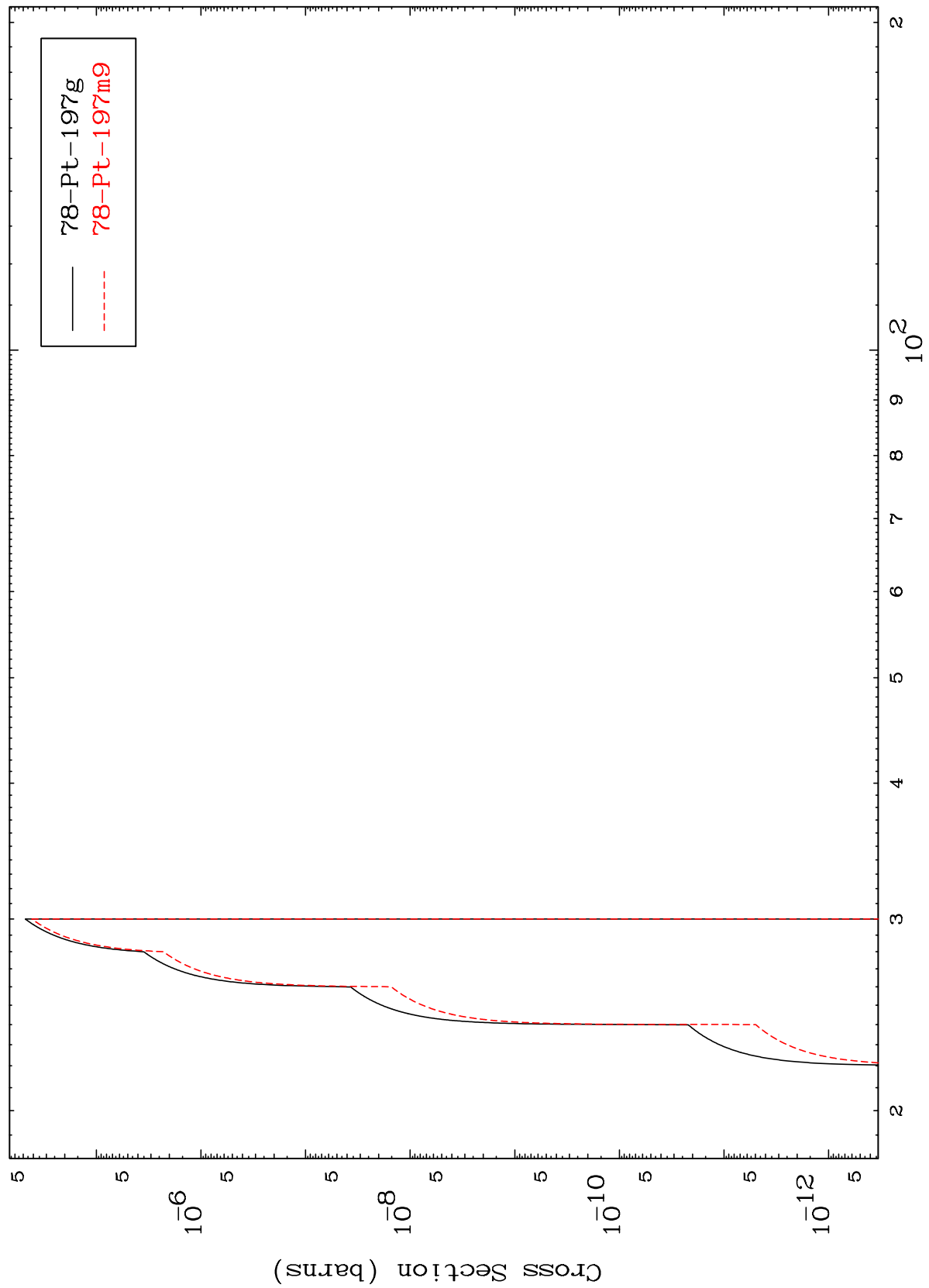
77-Ir-197m

MAT 7744

(n,n') t

77-Ir-197m

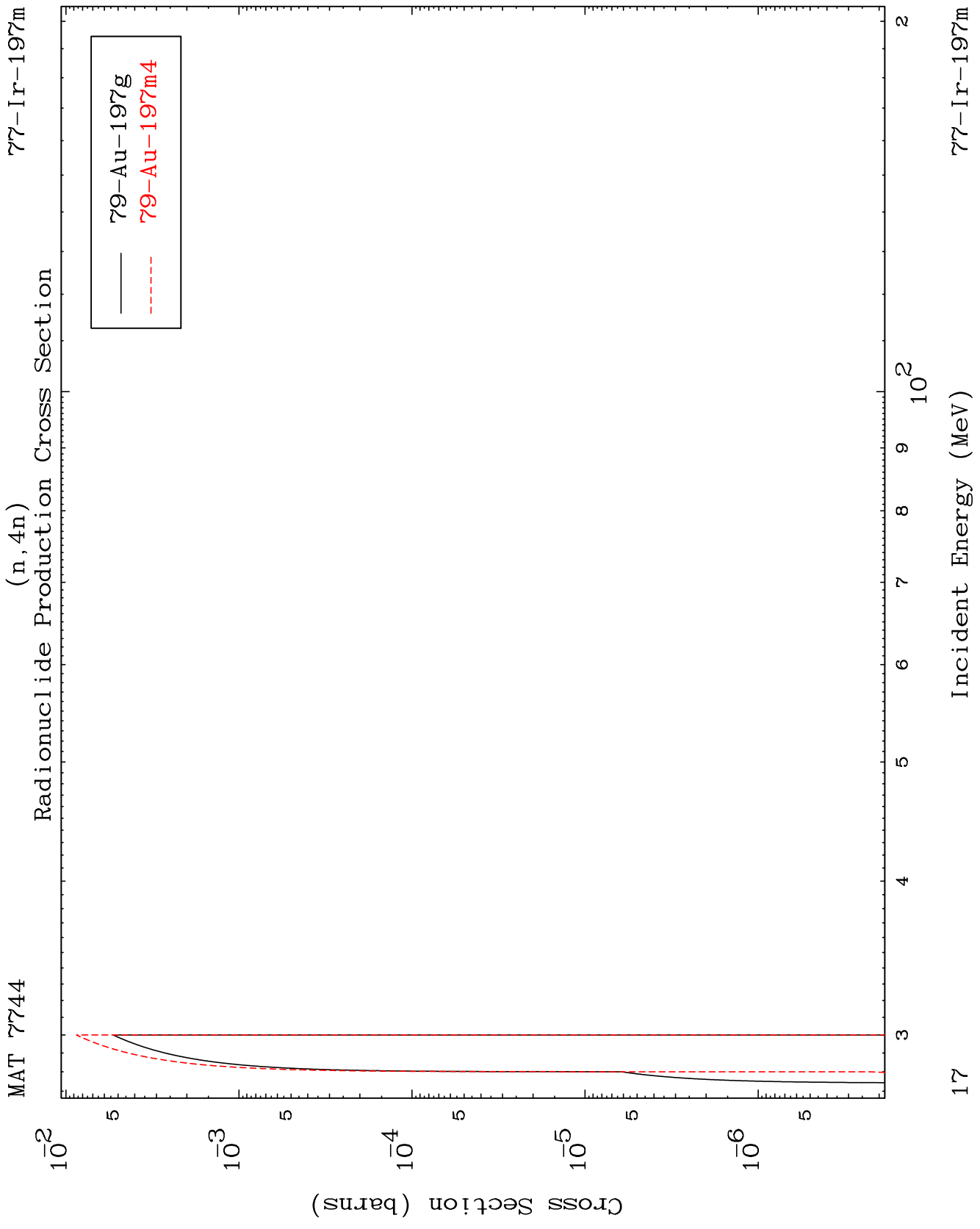
Radionuclide Production Cross Section



16

Incident Energy (MeV)

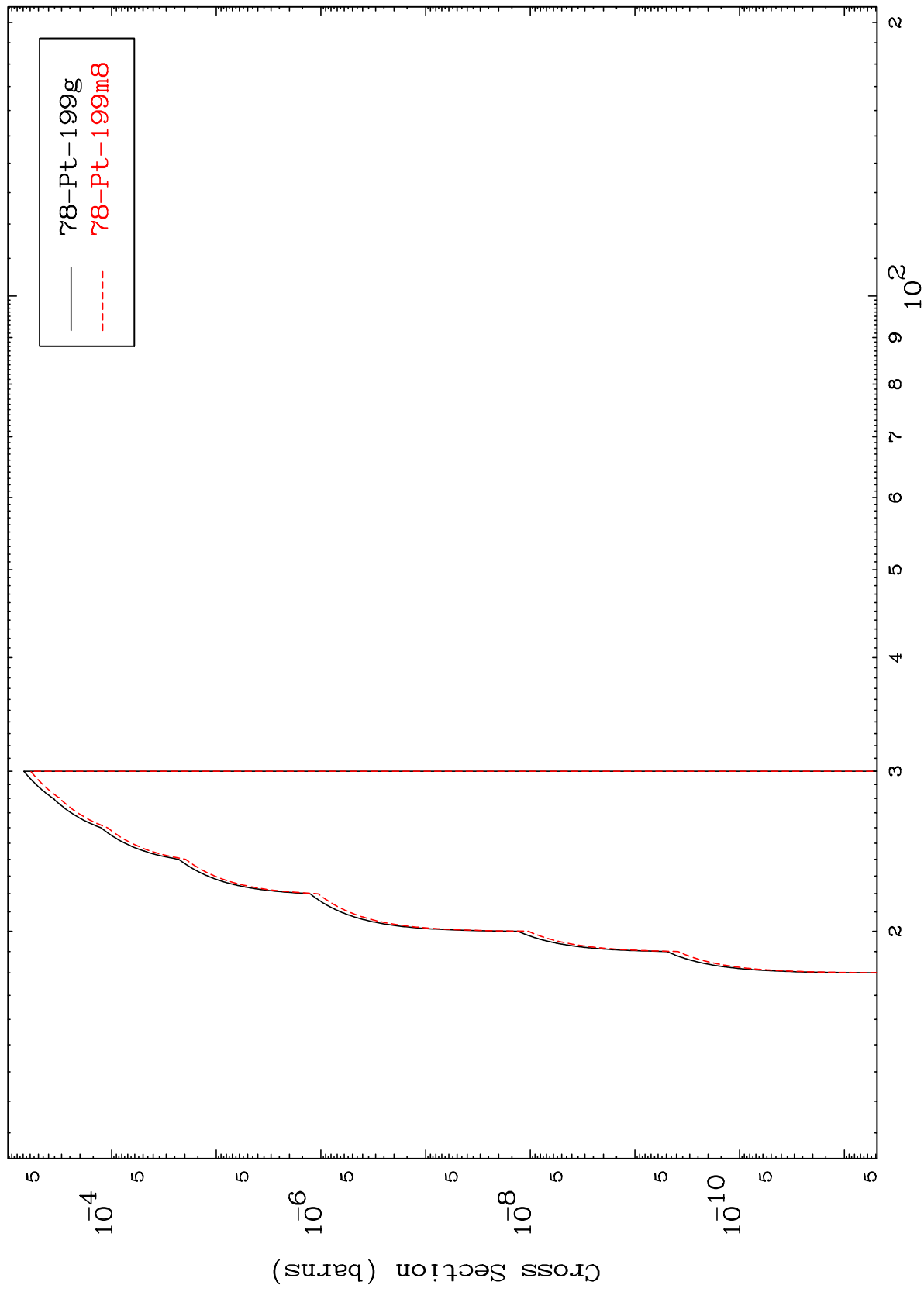
77-Ir-197m



MAT 7744

77-Ir-197m

(n,d)
Radionuclide Production Cross Section



18

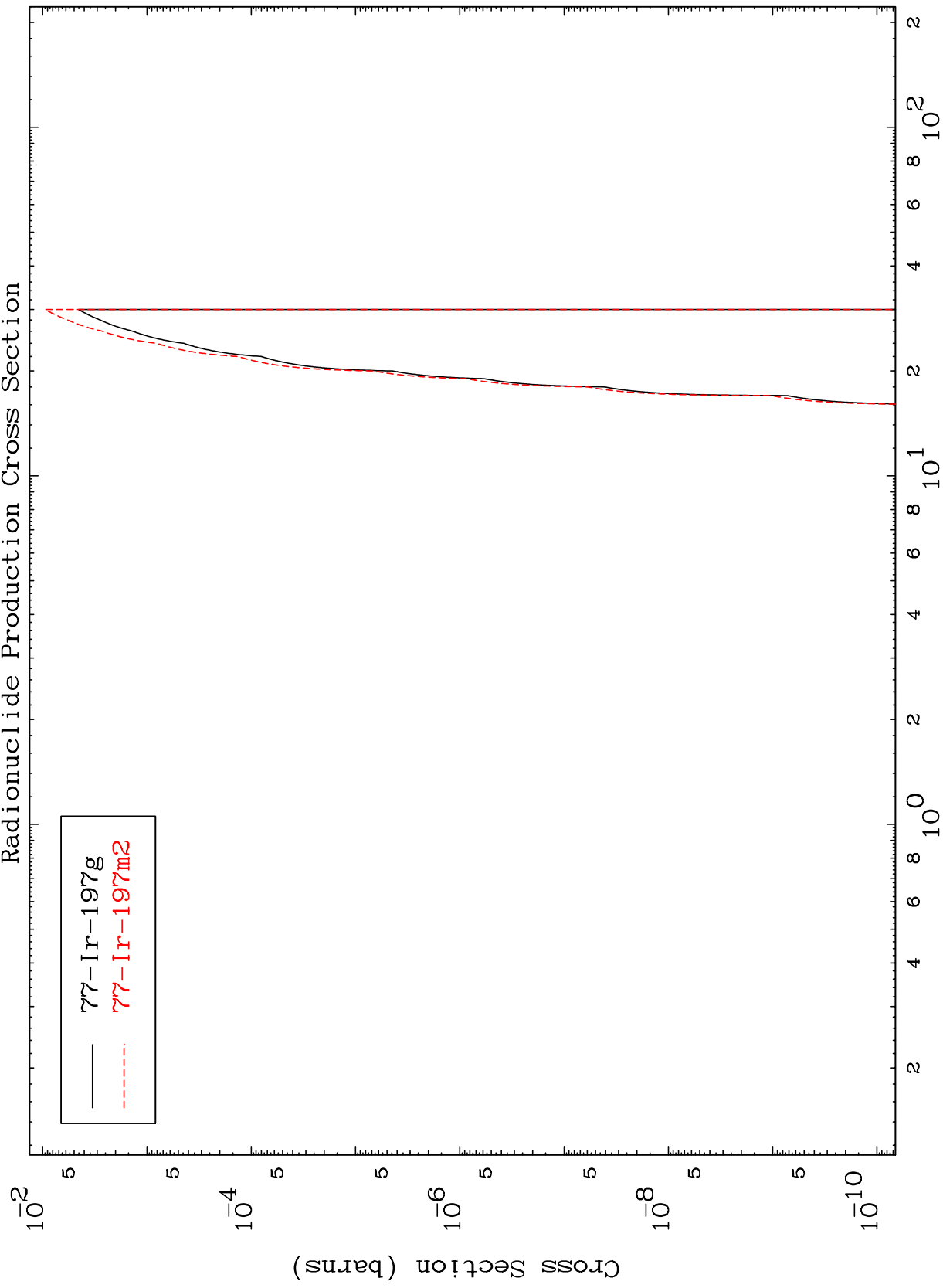
Incident Energy (MeV)

77-Ir-197m

MAT 7744

⁷⁷Ir-197m

Radionuclide Production Cross Section



⁷⁷Ir-197m

Incident Energy (MeV)

19