

Program EVALPLOT
(Version 2018-1)

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

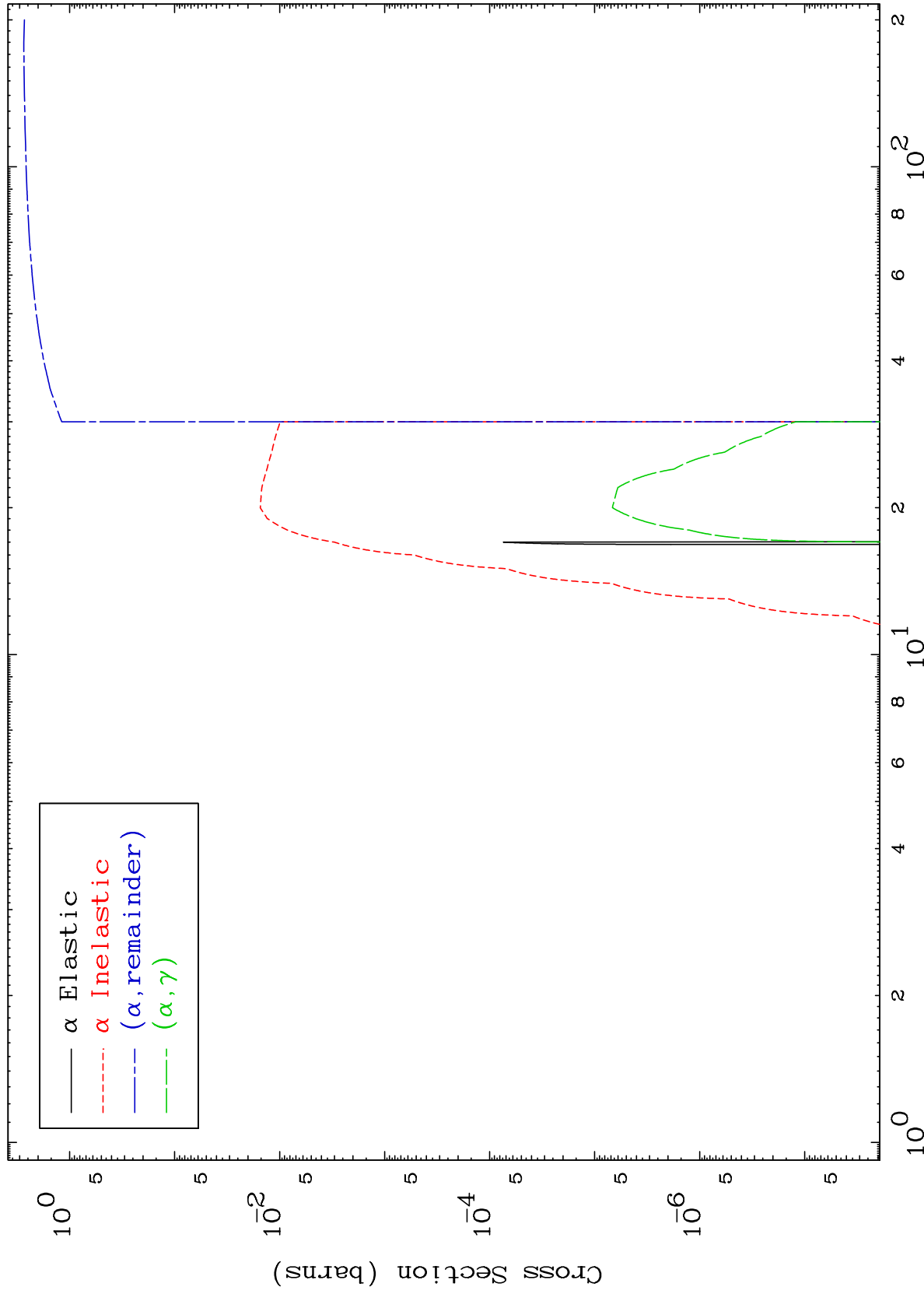
Press Mouse Button to Start

MAT 7731

α Major

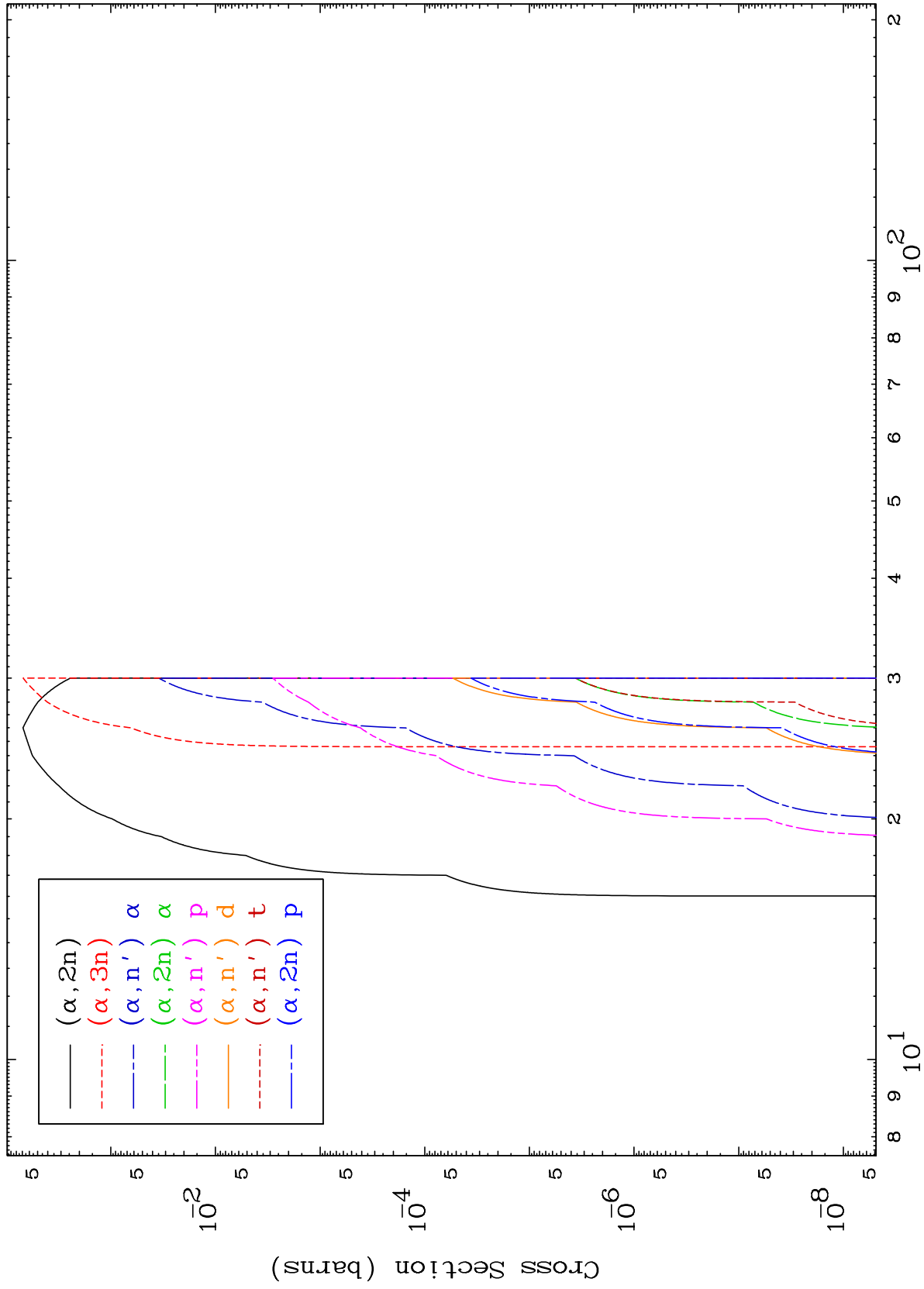
0 Kelvin Cross Sections

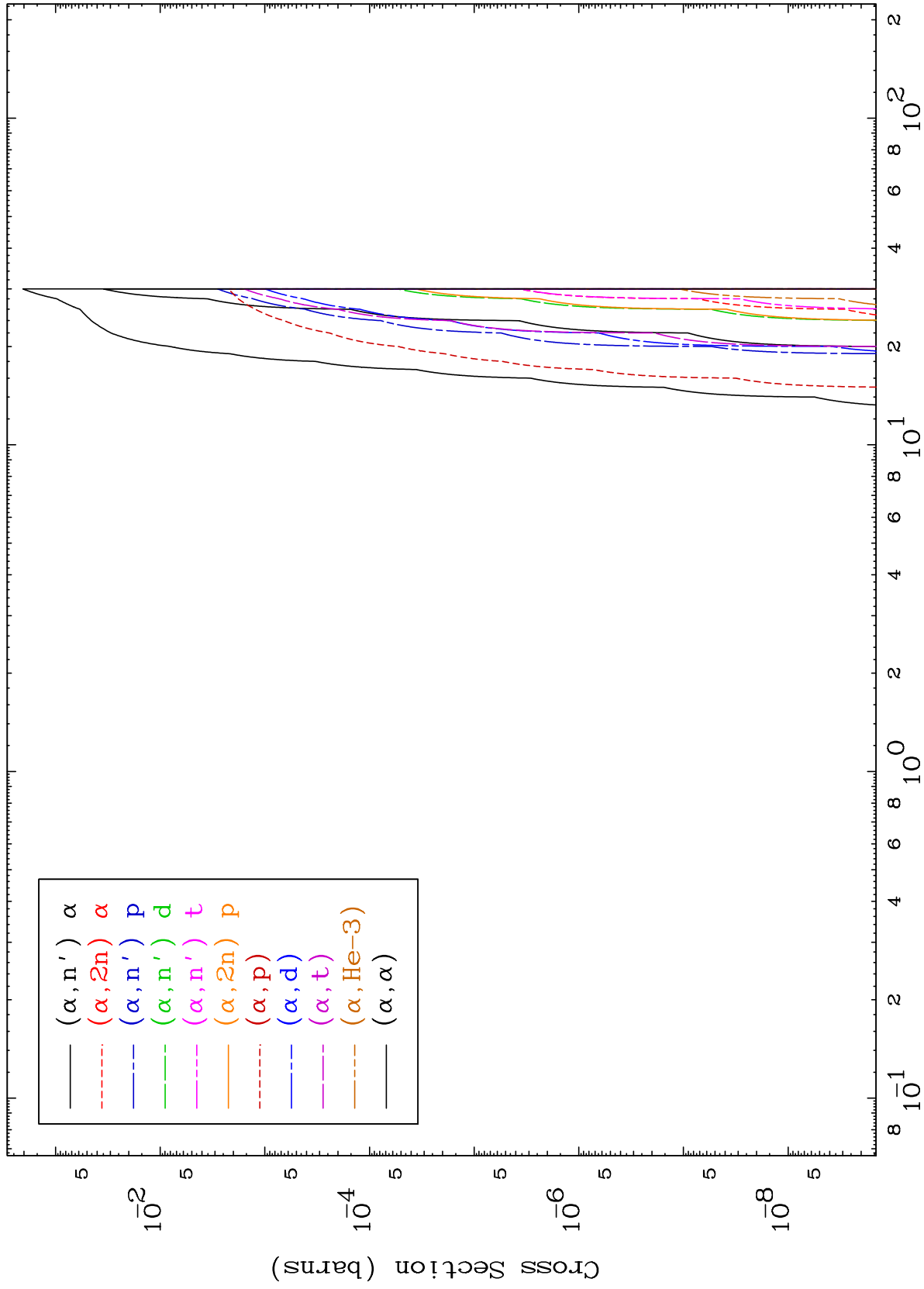
77-Ir-193



Incident Energy (MeV)

77-Ir-193

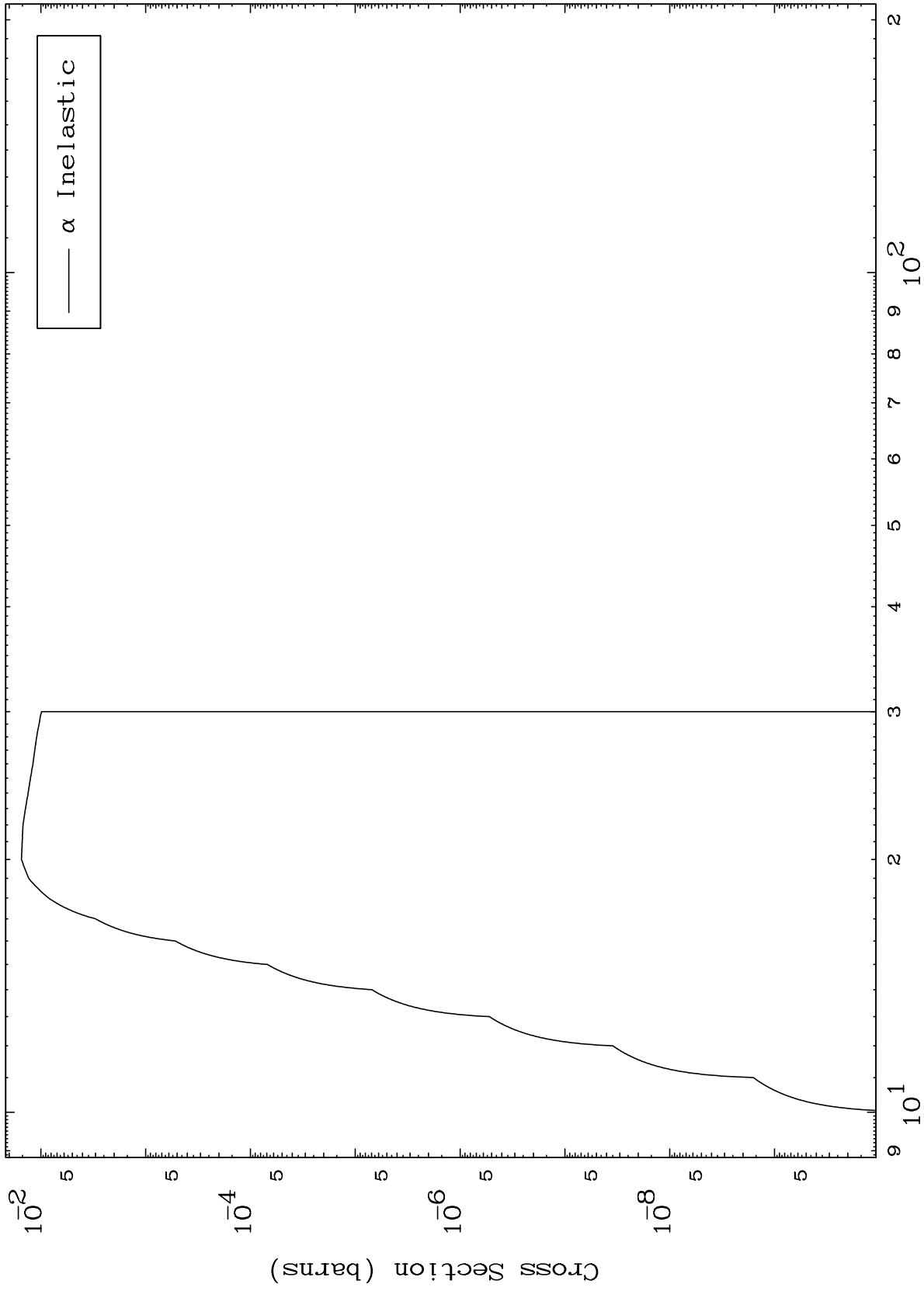




MAT 7731

(α, n') Level
0 Kelvin Cross Sections

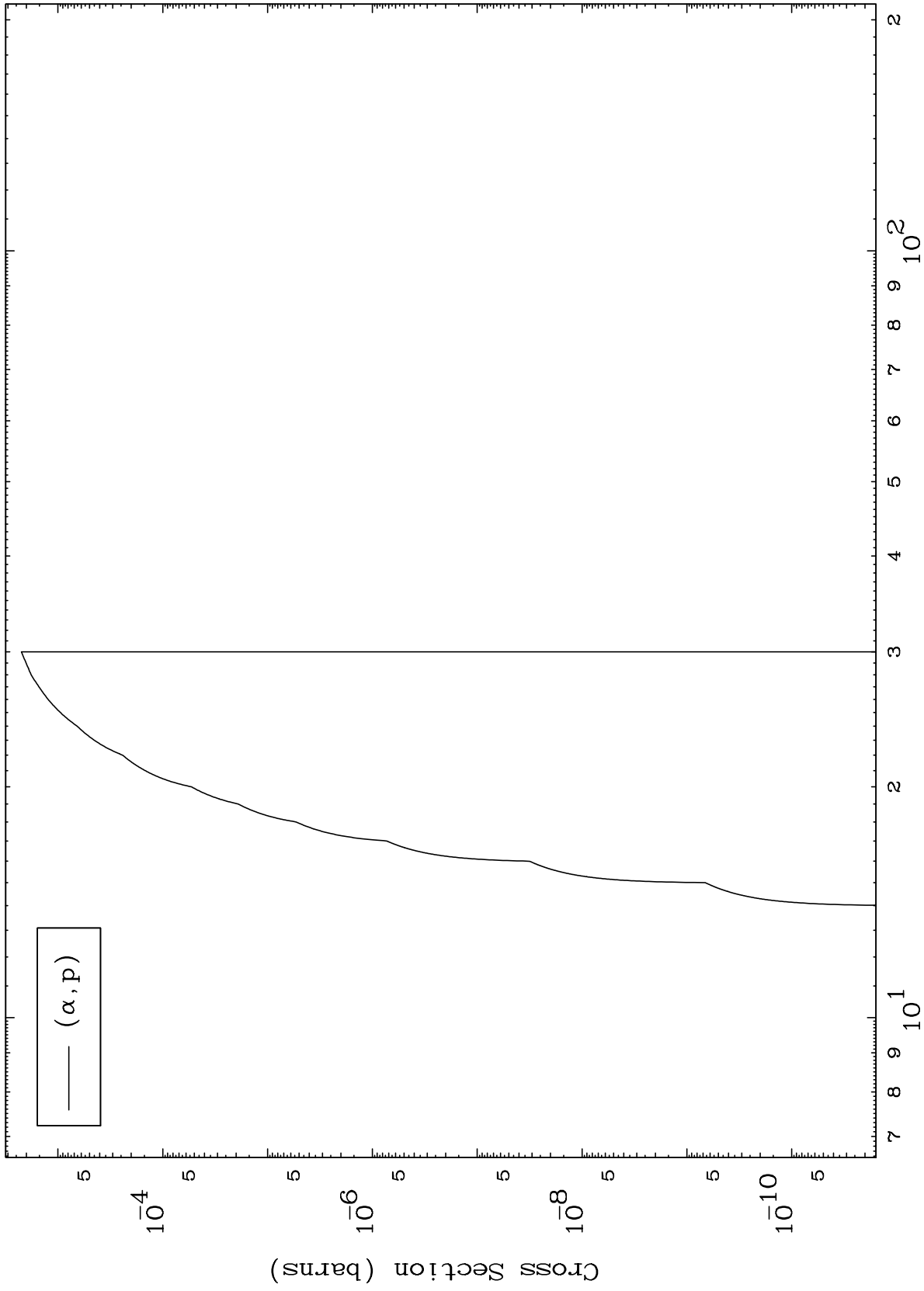
77-Ir-193

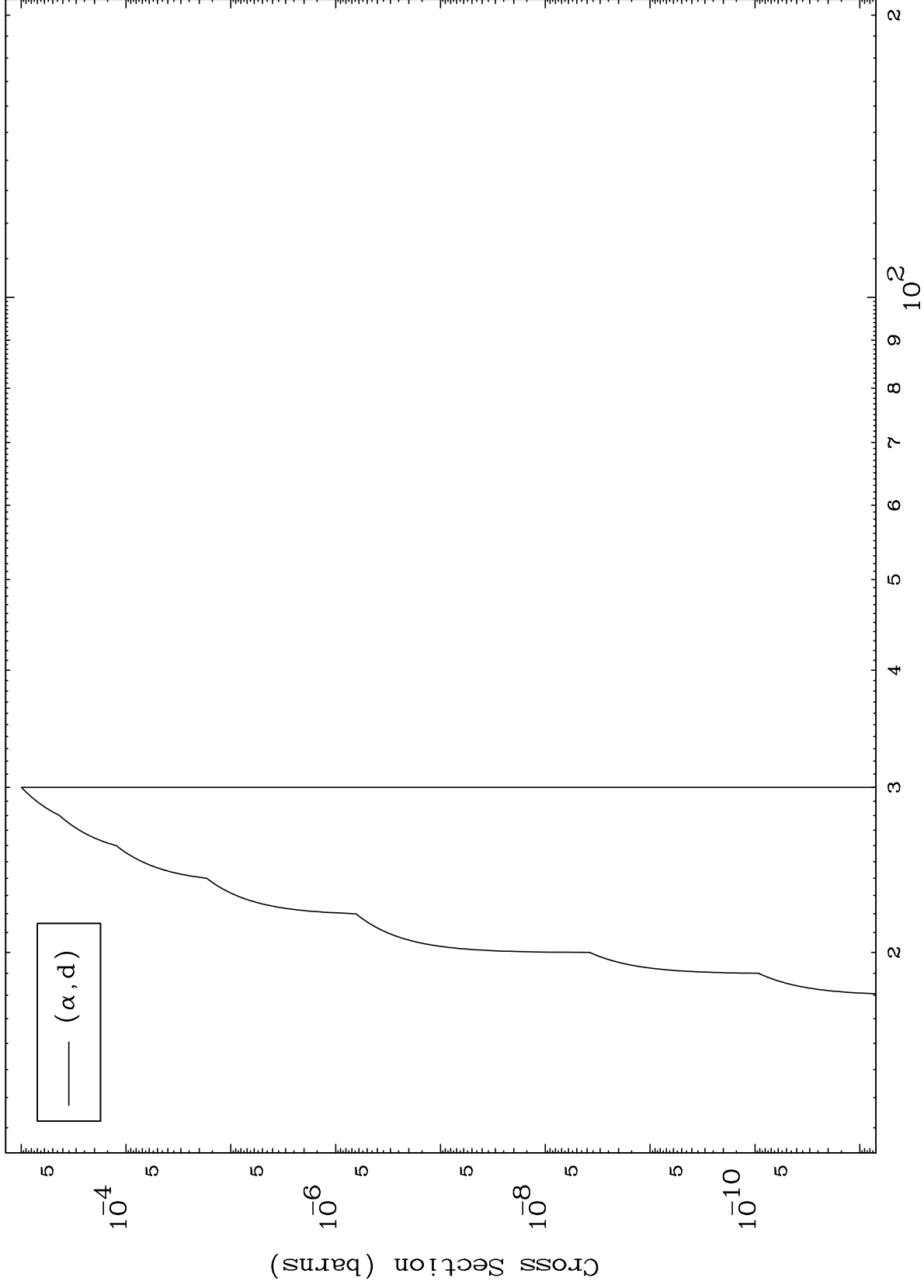


4

Incident Energy (MeV)

77-Ir-193

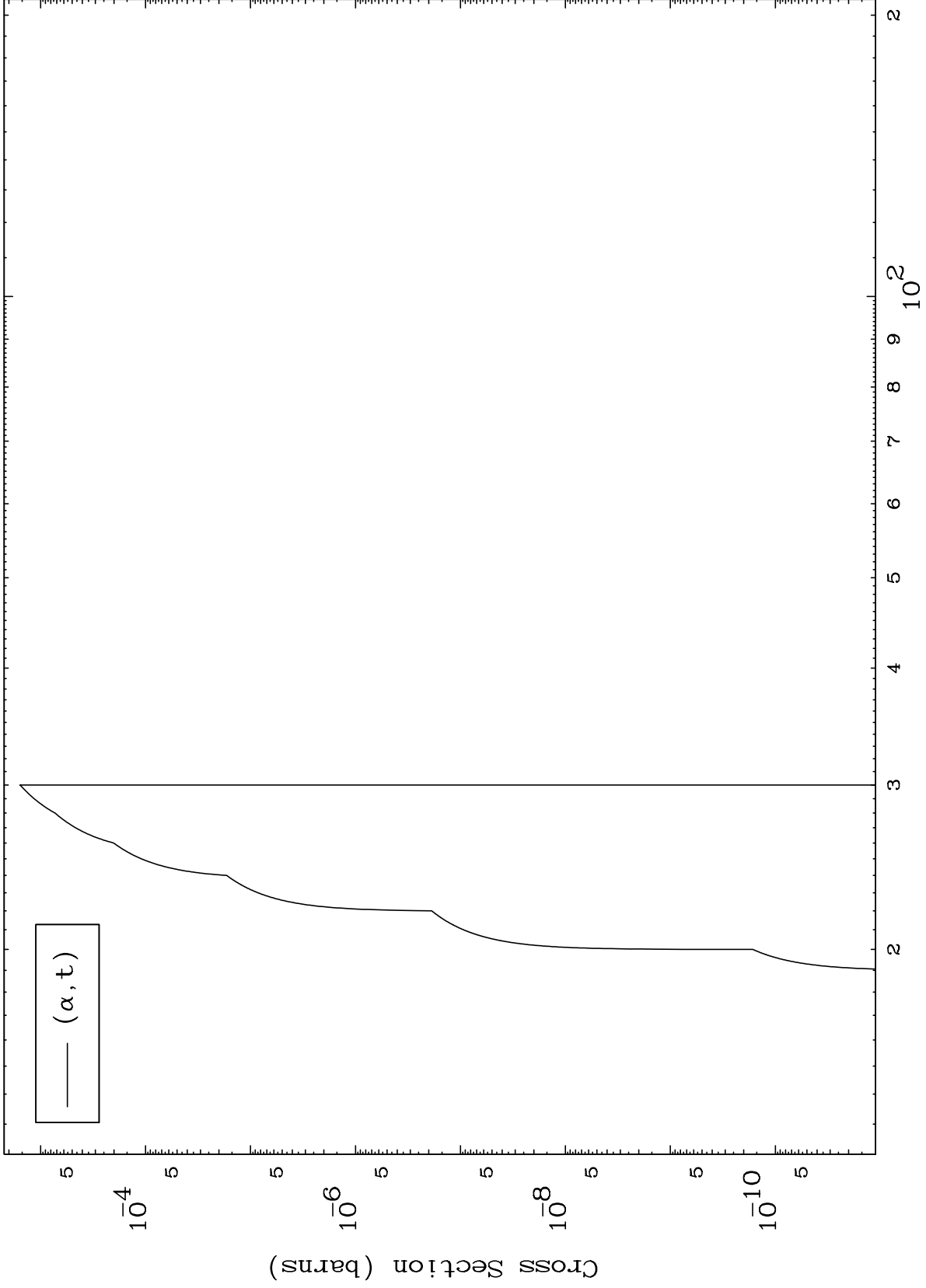




MAT 7731

(α, t) Levels
0 Kelvin Cross Sections

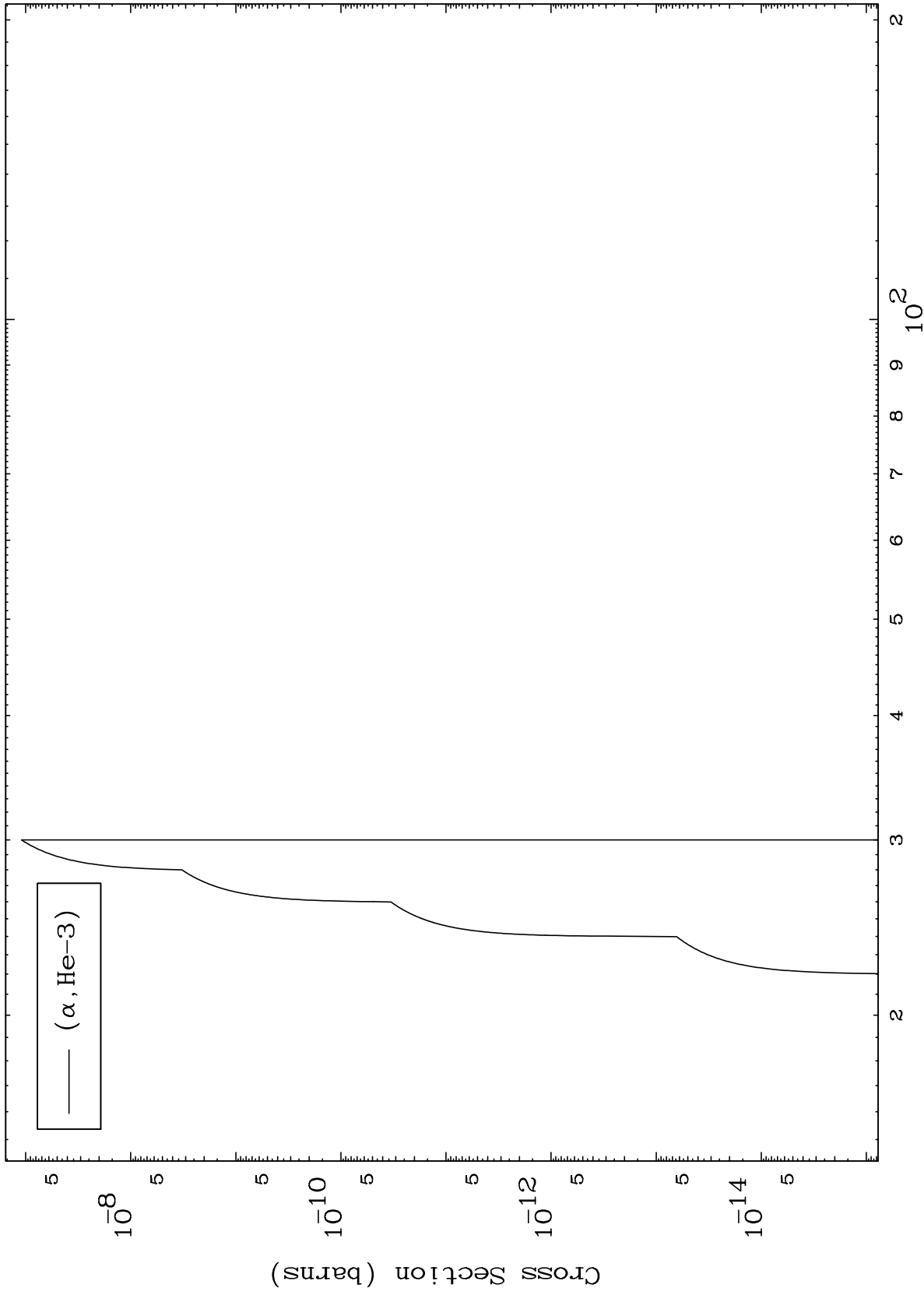
77-Ir-193



7

Incident Energy (MeV)

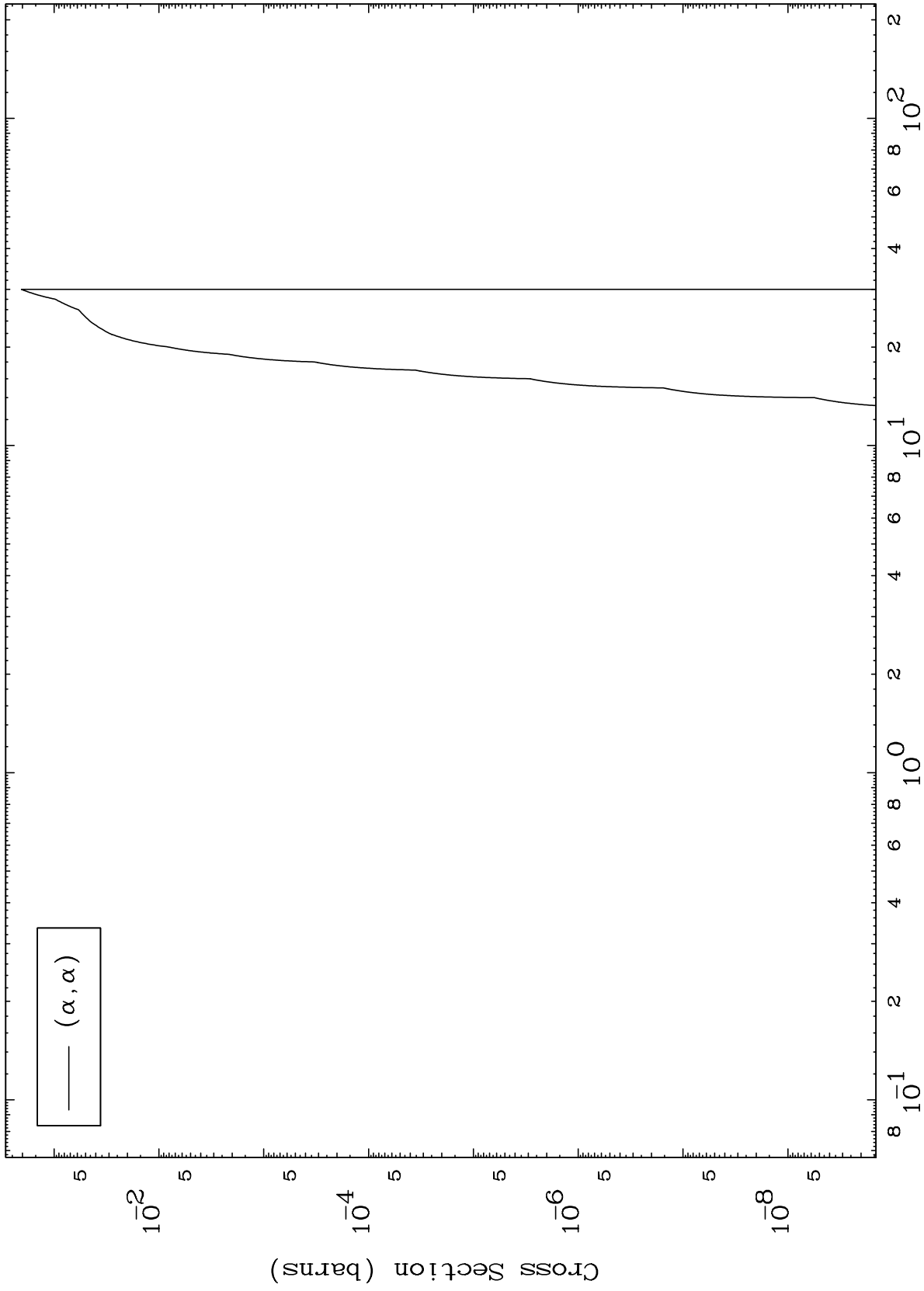
77-Ir-193



MAT 7731

(α, α) Levels
0 Kelvin Cross Sections

77-Ir-193



9

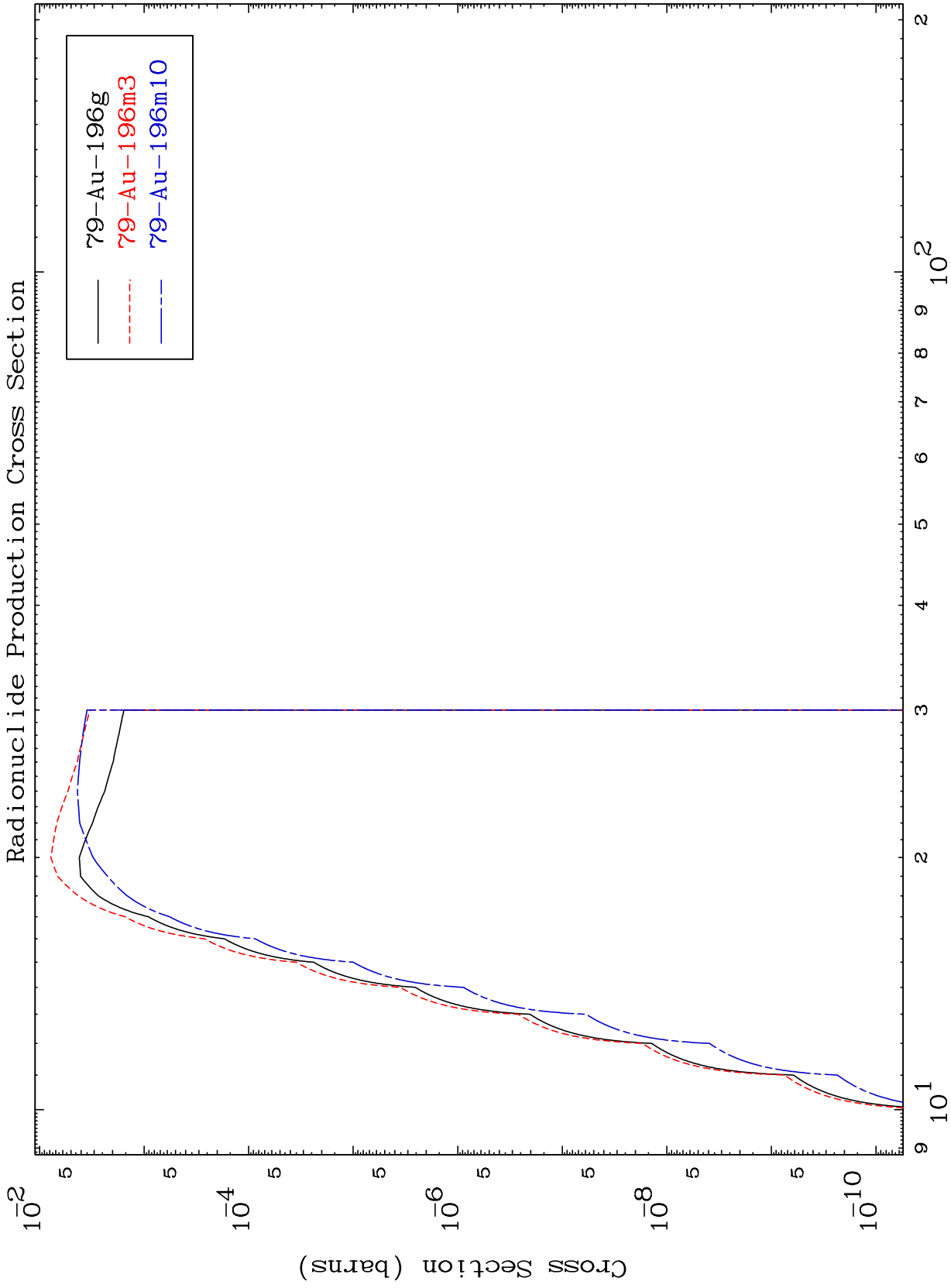
Incident Energy (MeV)

77-Ir-193

MAT 7731

α Inelastic
Radionuclide Production Cross Section

77-Ir-193



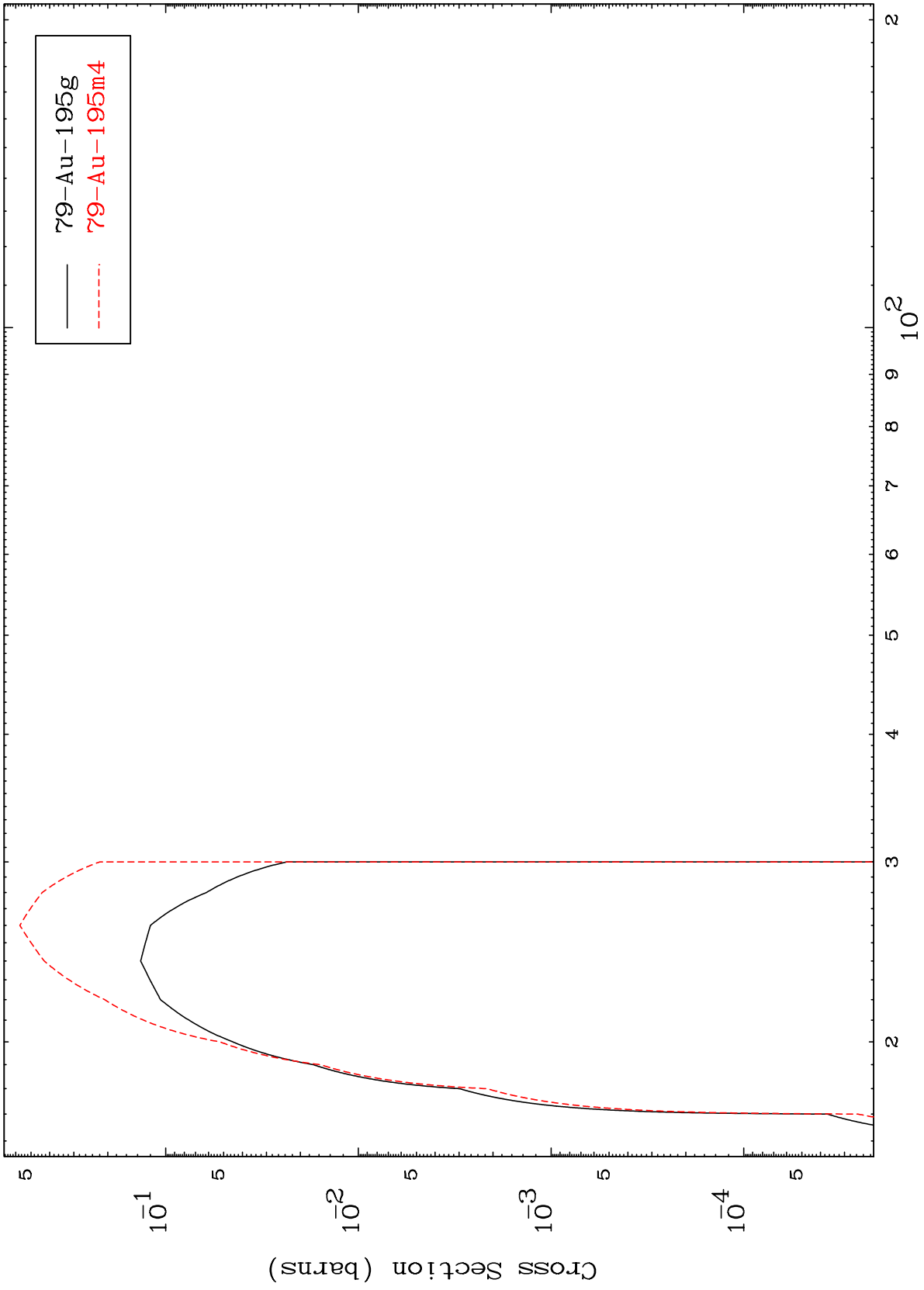
Incident Energy (MeV)

77-Ir-193

MAT 7731

77-Ir-193

($\alpha, 2n$)
Radionuclide Production Cross Section



11

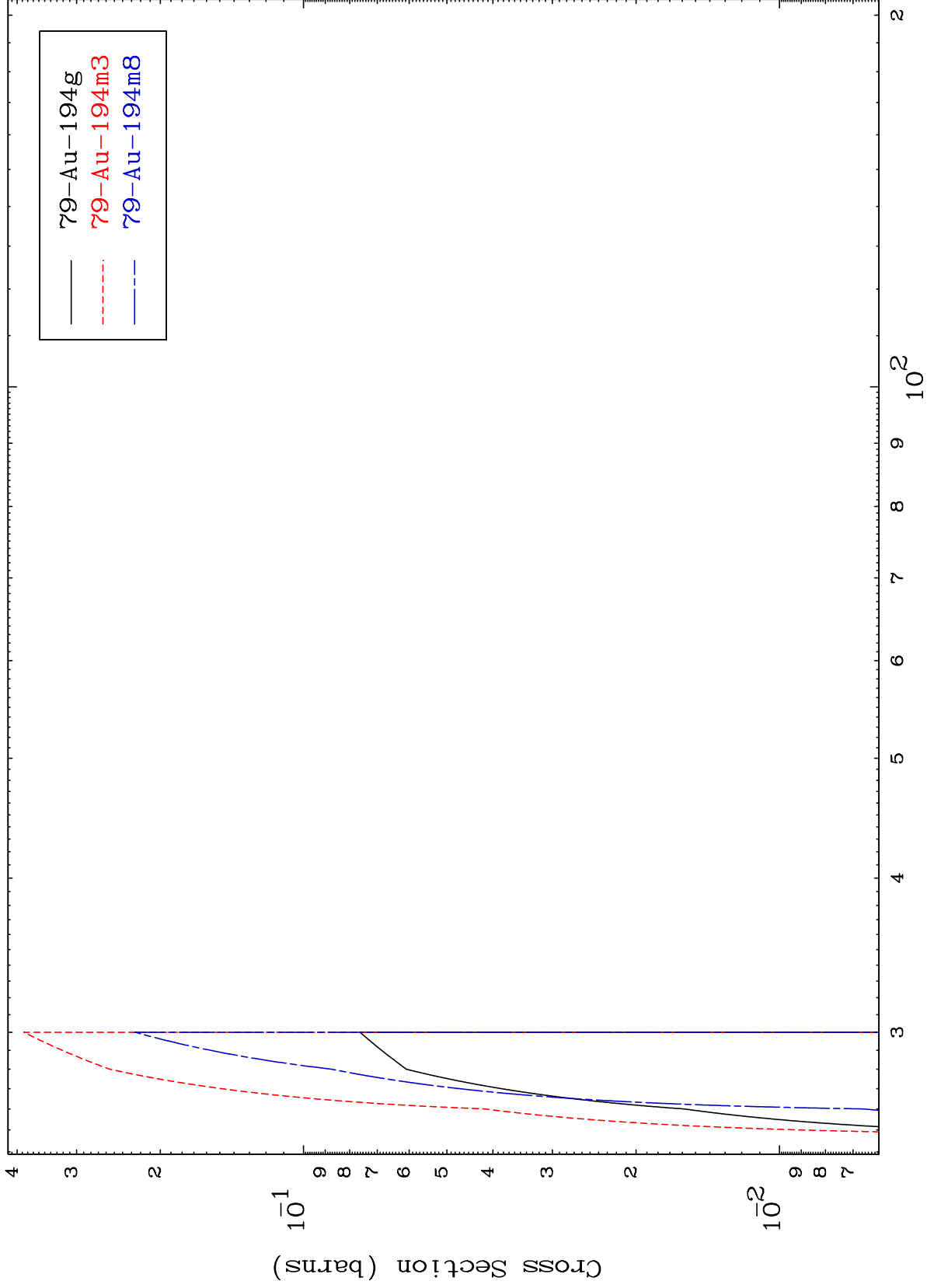
Incident Energy (MeV)

77-Ir-193

MAT 7731

77-Ir-193

($\alpha, 3n$)
Radionuclide Production Cross Section



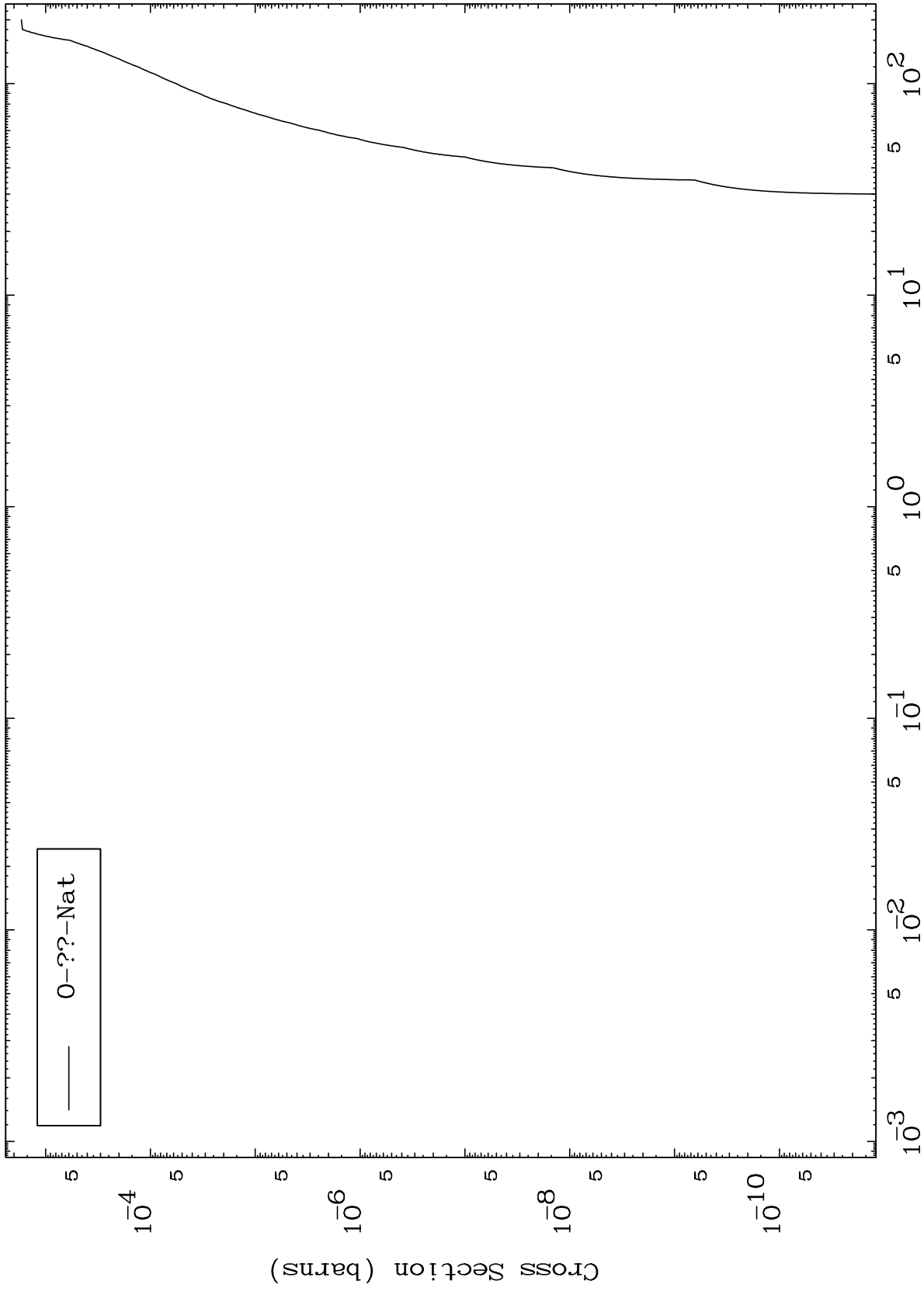
12

77-Ir-193

MAT 7731

α Fission
Radionuclide Production Cross Section

77-Ir-193



13

Incident Energy (MeV)

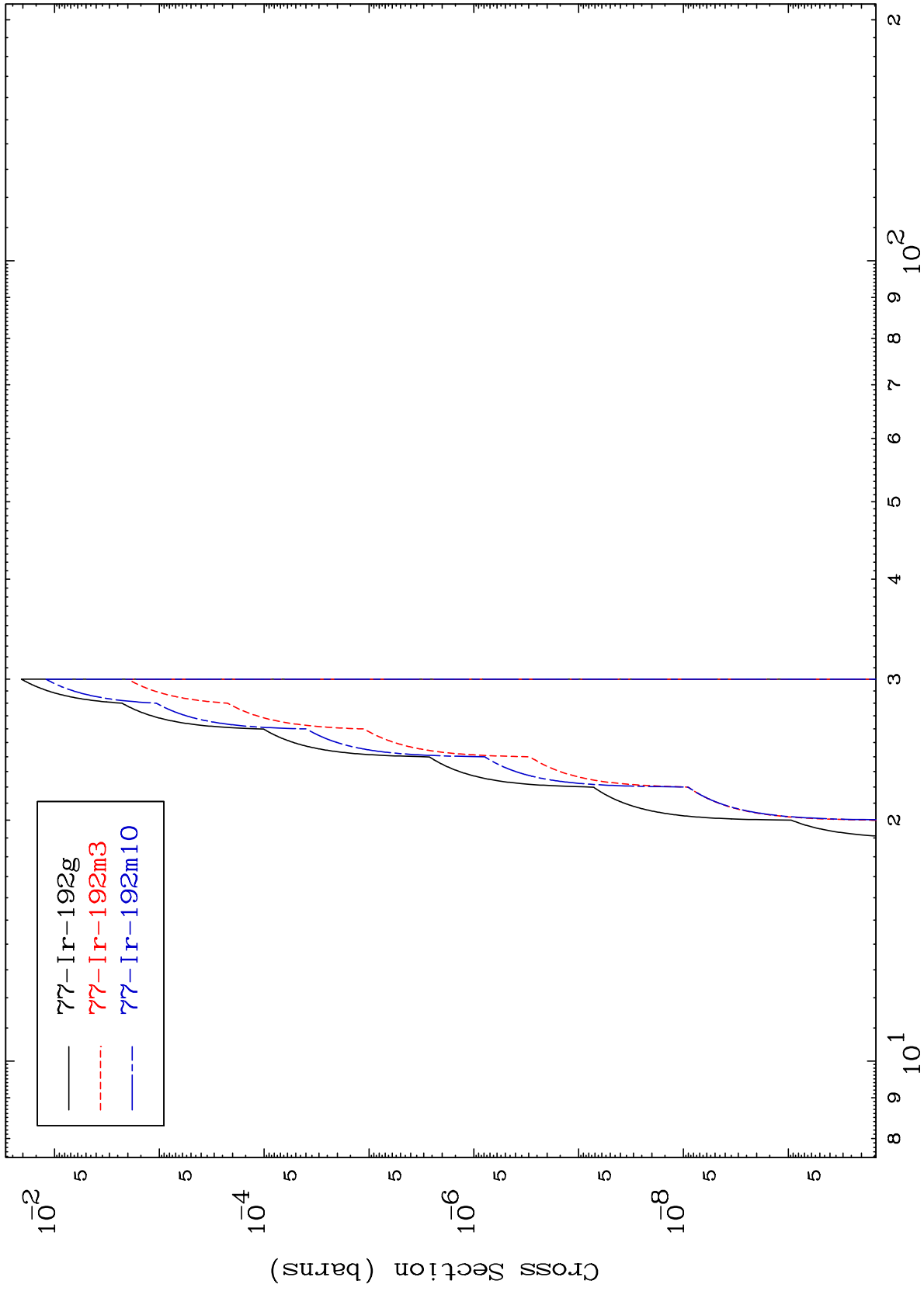
77-Ir-193

MAT 7731

(α, n') α

77-Ir-193

Radionuclide Production Cross Section



14

Incident Energy (MeV)

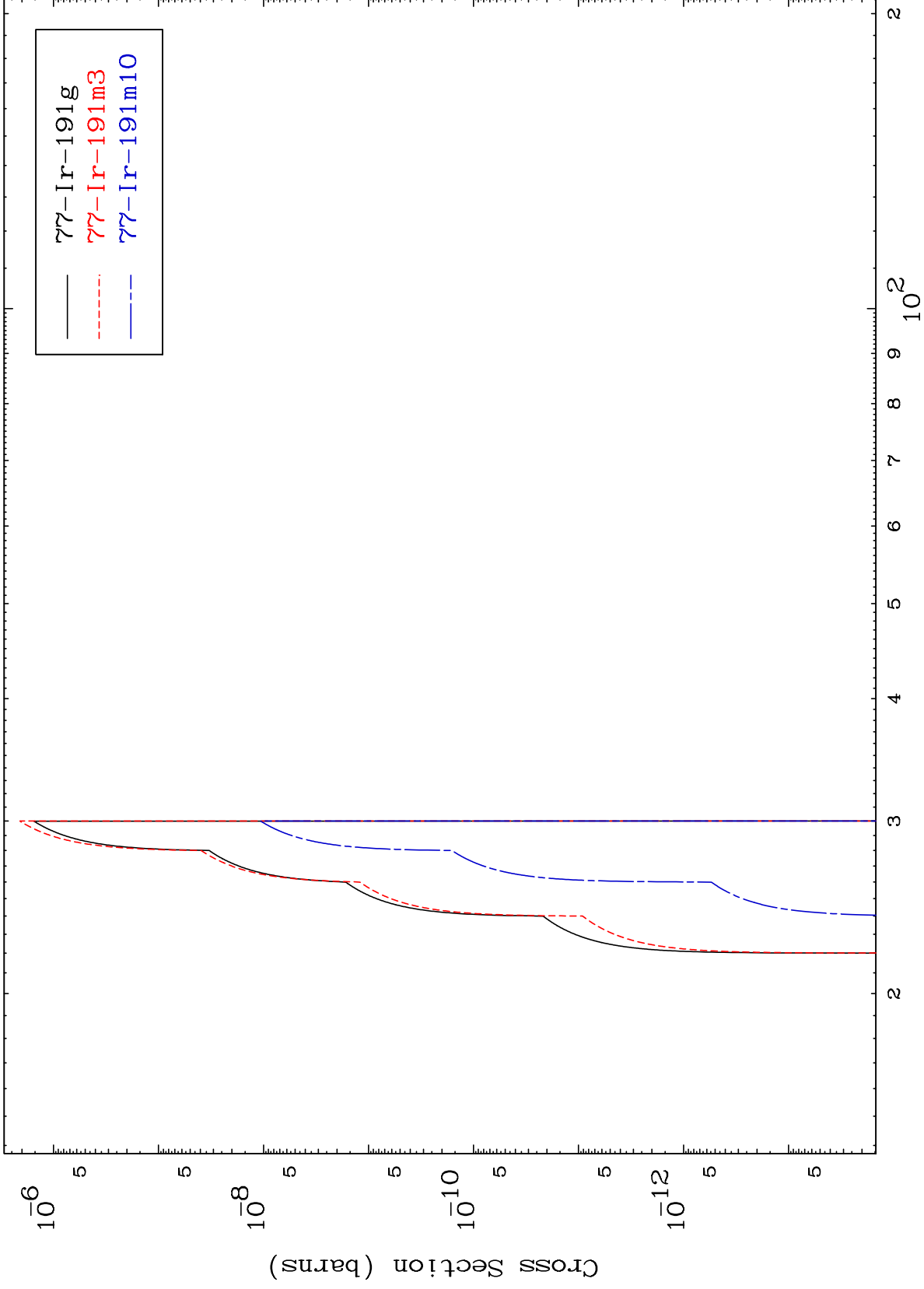
77-Ir-193

MAT 7731

$(\alpha, 2n) \alpha$

$^{77}\text{Ir-193}$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

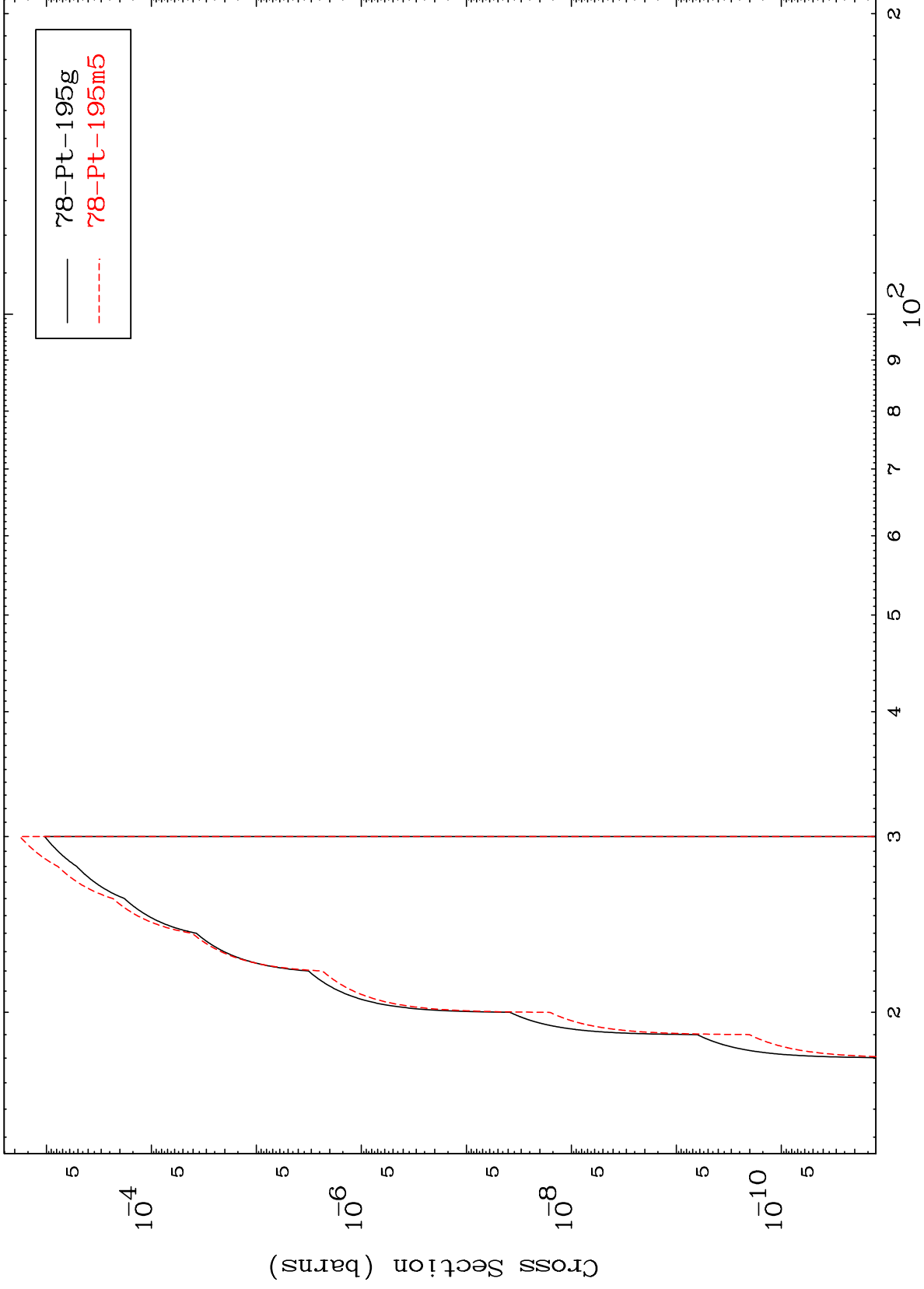
$^{77}\text{Ir-193}$

MAT 7731

(α, n') p

77-Ir-193

Radionuclide Production Cross Section



16

Incident Energy (MeV)

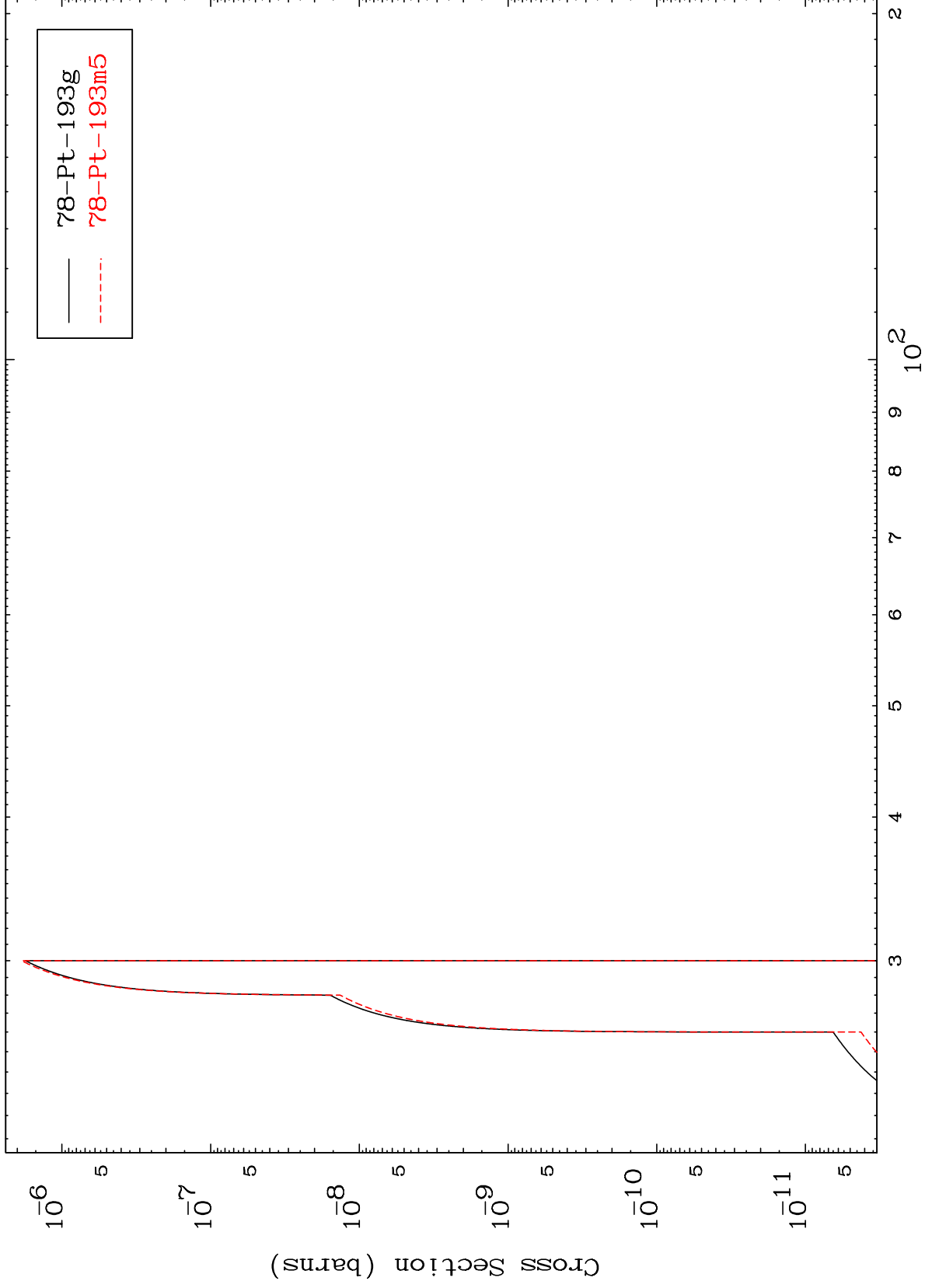
77-Ir-193

MAT 7731

(α, n') t

77-Ir-193

Radionuclide Production Cross Section



17

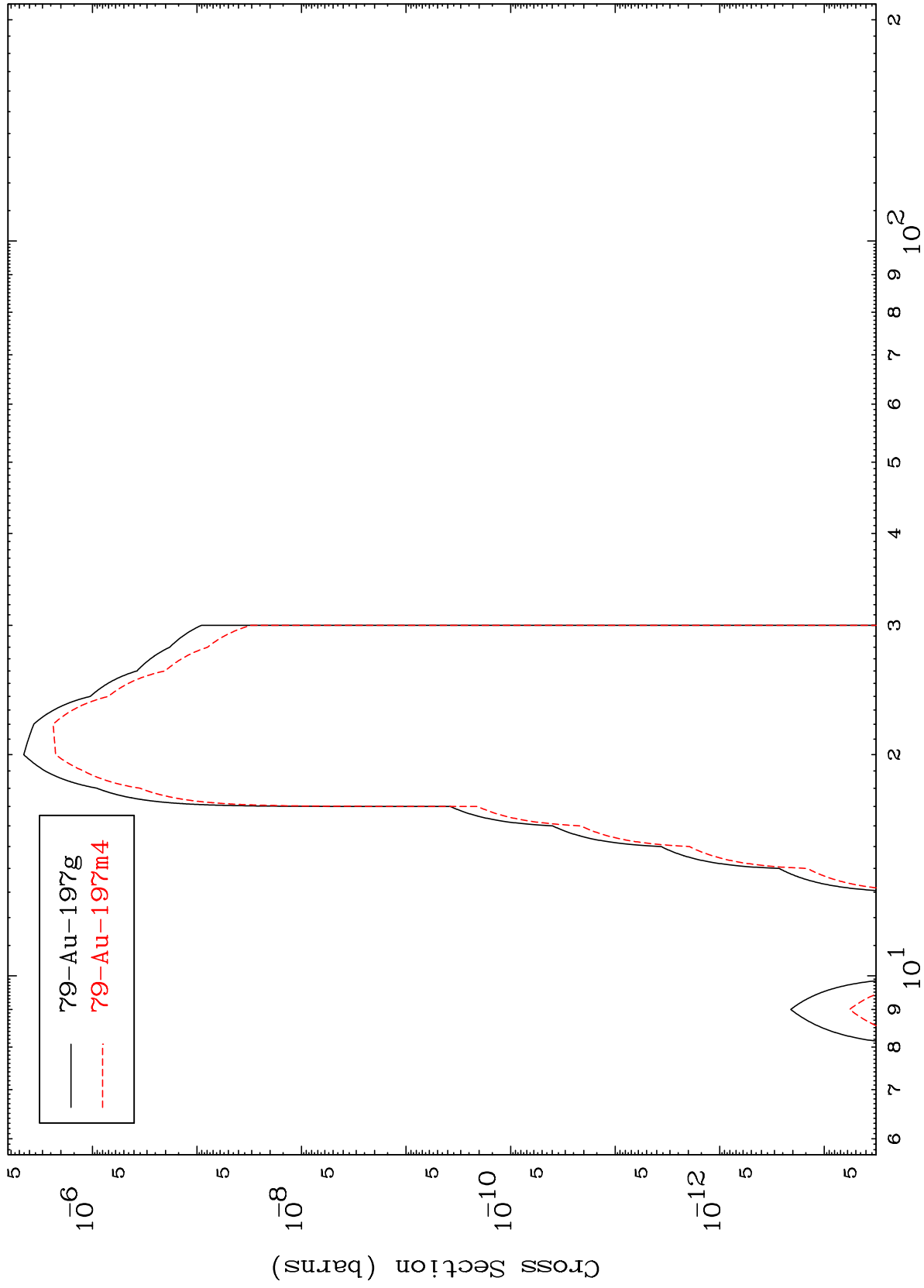
Incident Energy (MeV)

77-Ir-193

MAT 7731

⁷⁷Ir-193

(α, γ)
Radionuclide Production Cross Section



18

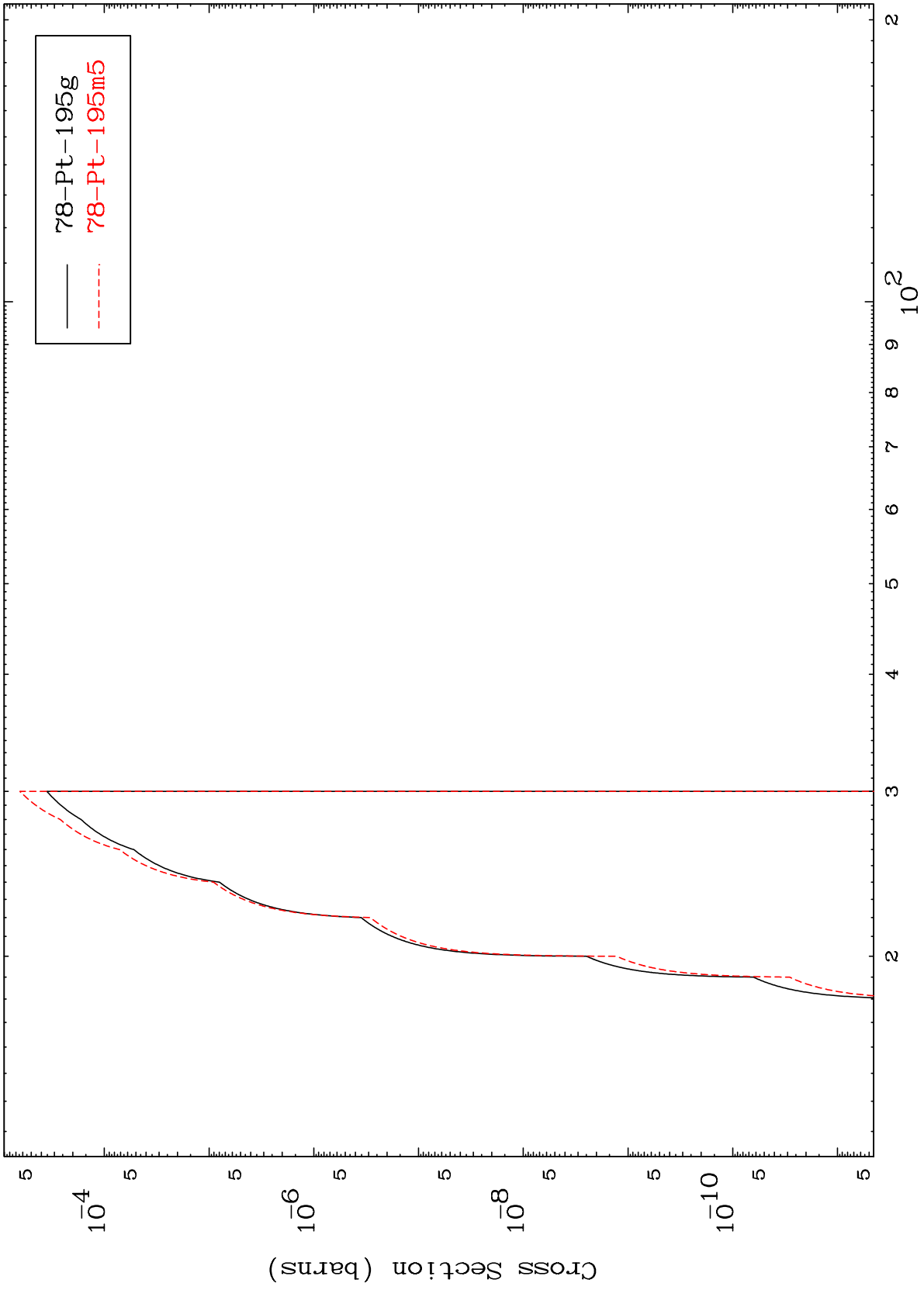
⁷⁷Ir-193

MAT 7731

(α, d)

77-Ir-193

Radionuclide Production Cross Section



19

Incident Energy (MeV)

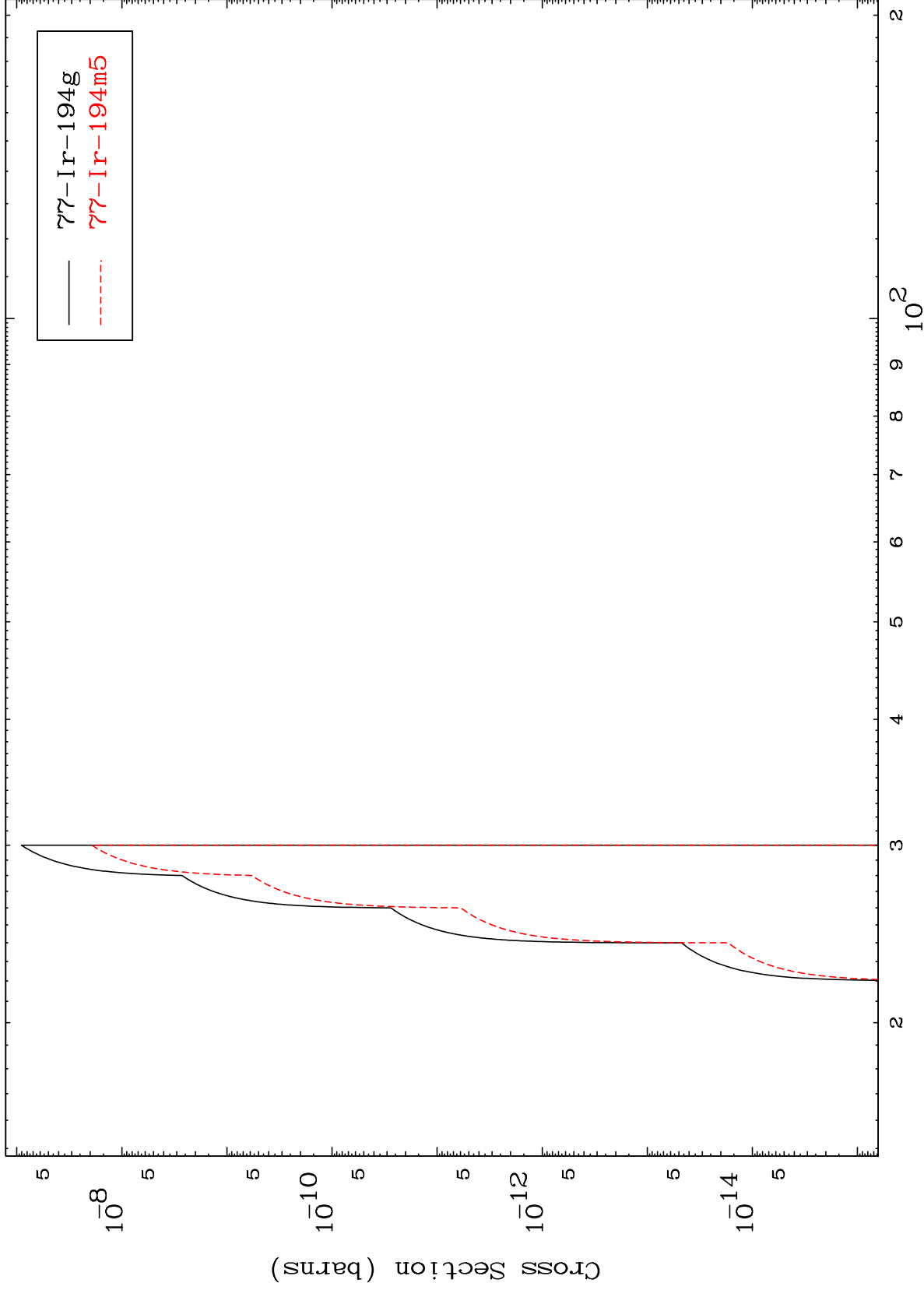
77-Ir-193

MAT 7731

($\alpha, \text{He-3}$)

77-Ir-193

Radionuclide Production Cross Section



20

Incident Energy (MeV)

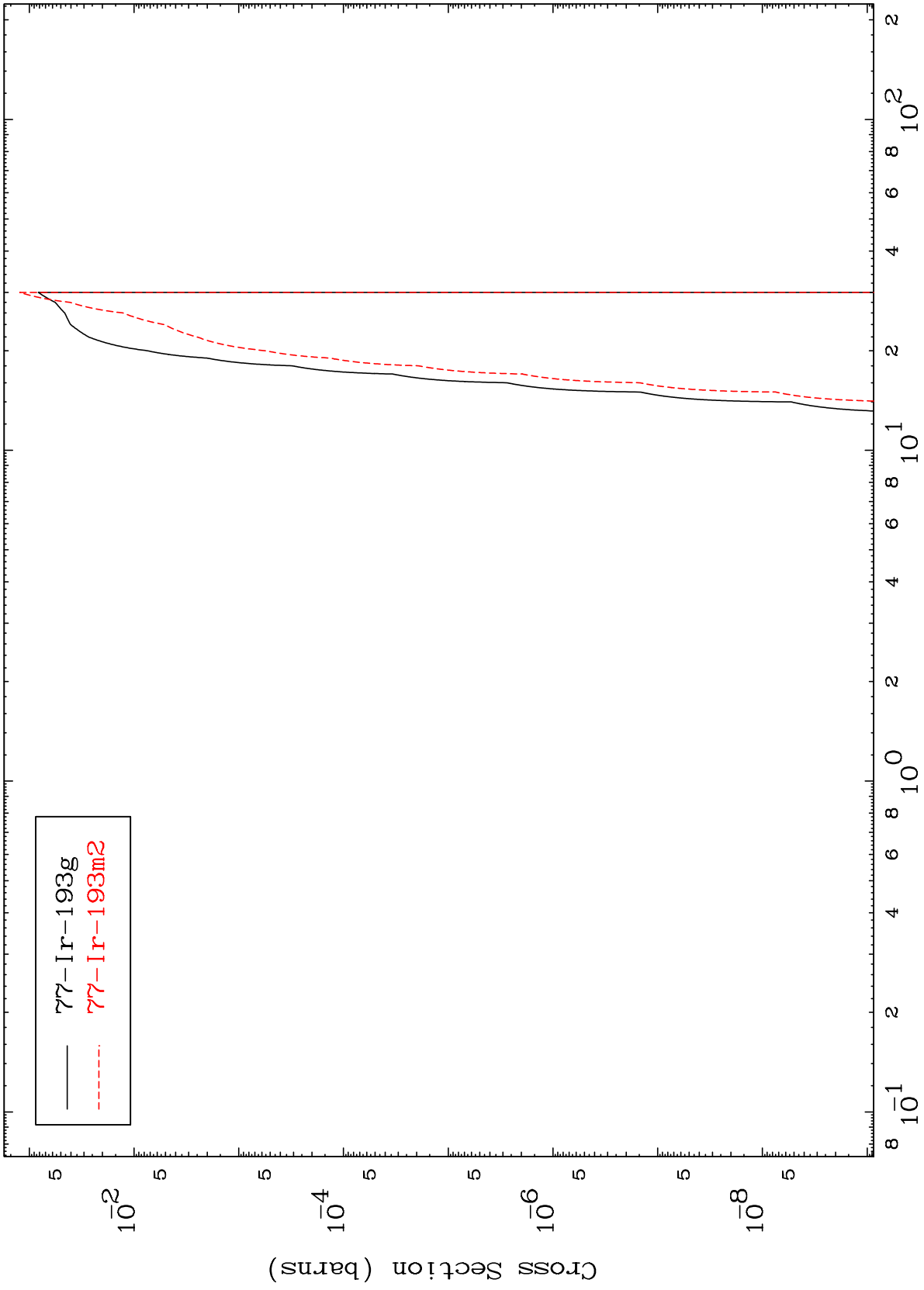
77-Ir-193

MAT 7731

(α, α)

⁷⁷Ir-193

Radionuclide Production Cross Section



— ⁷⁷Ir-193g
- - - ⁷⁷Ir-193m2

21

Incident Energy (MeV)

⁷⁷Ir-193