

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

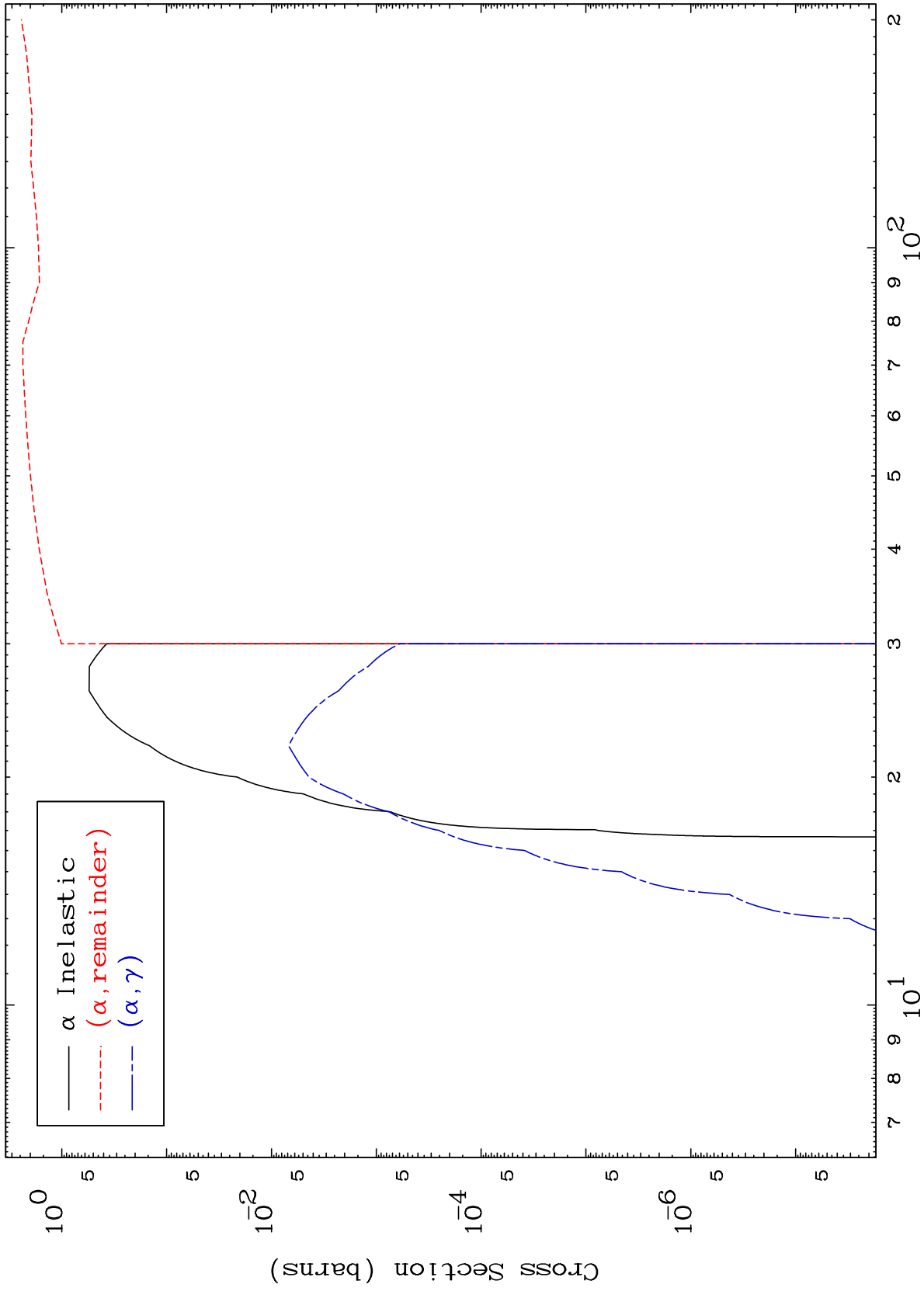
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

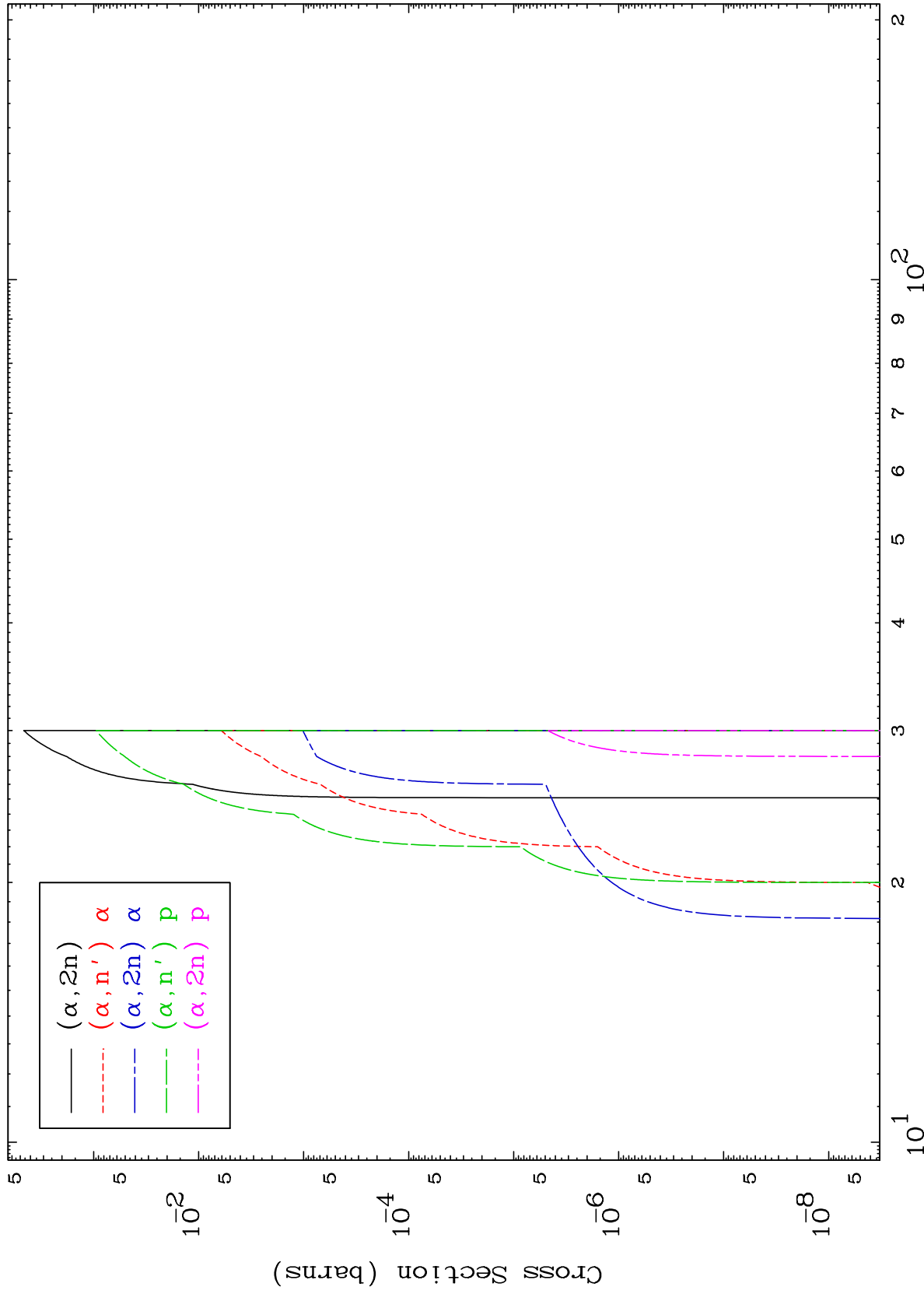
Press Mouse Button to Start

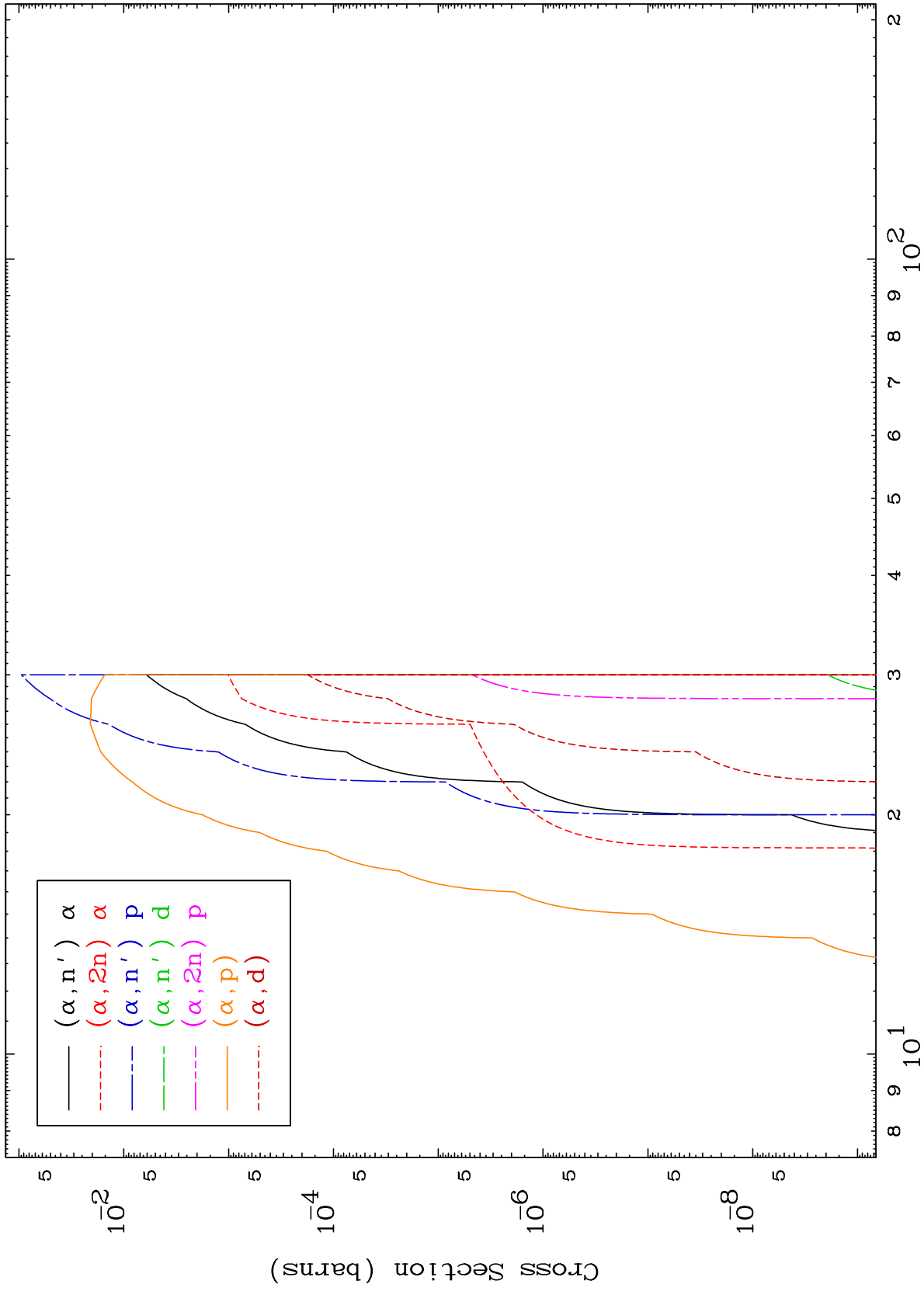
MAT 8289

0 Kelvin α Major
Cross Sections

83-Bi-197



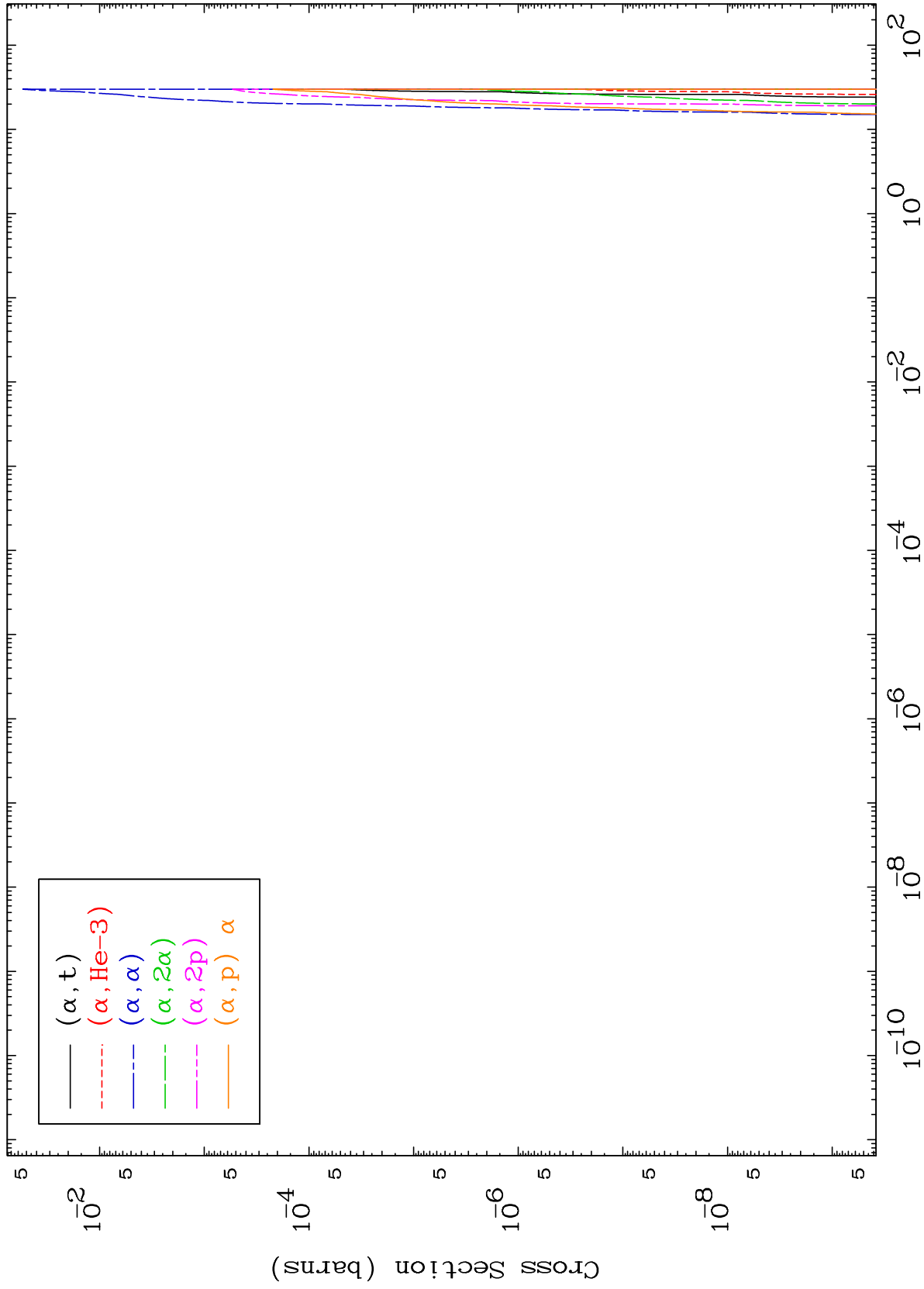


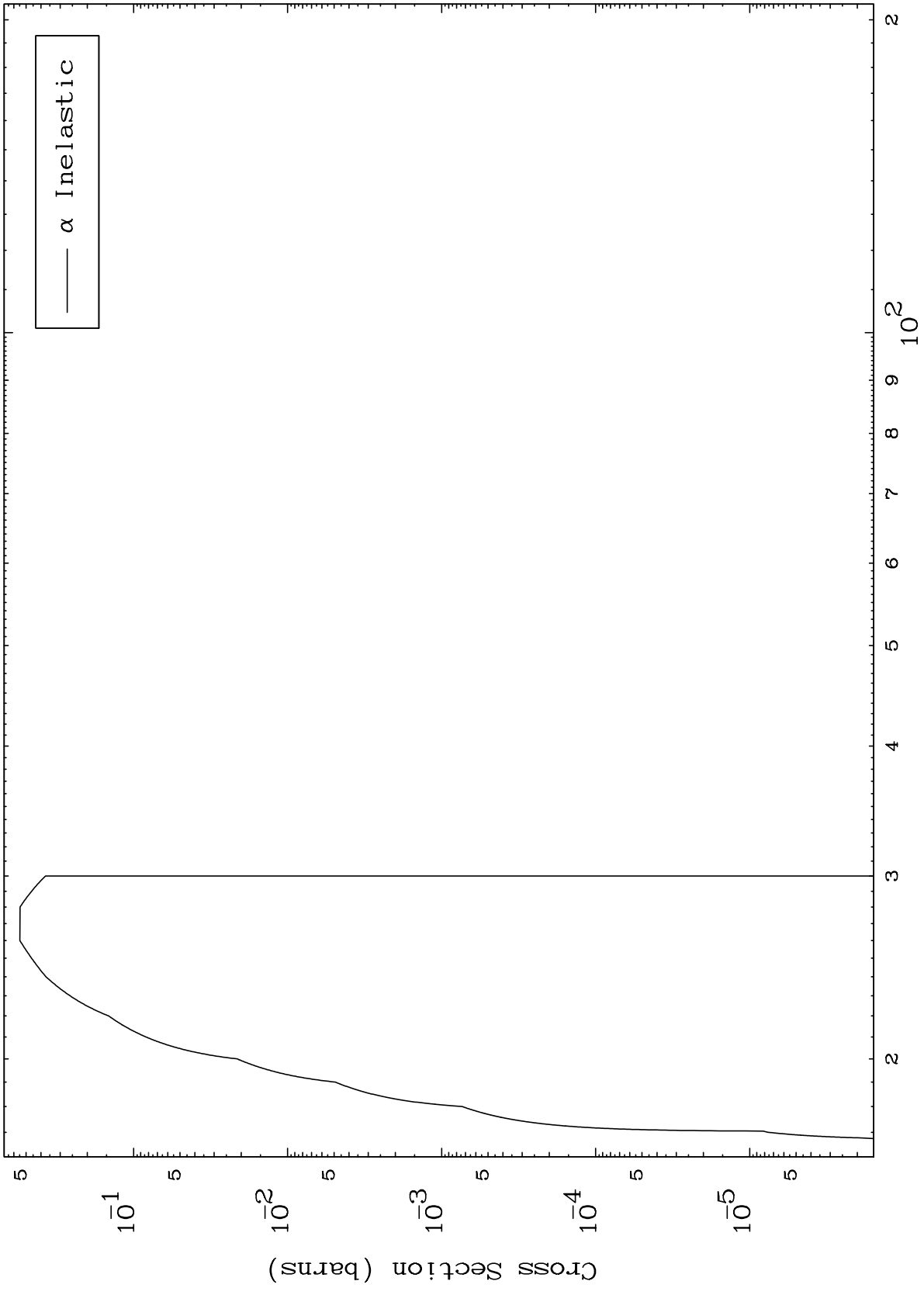


MAT 8289

α Charged Particle
0 Kelvin Cross Sections

83-Bi-197

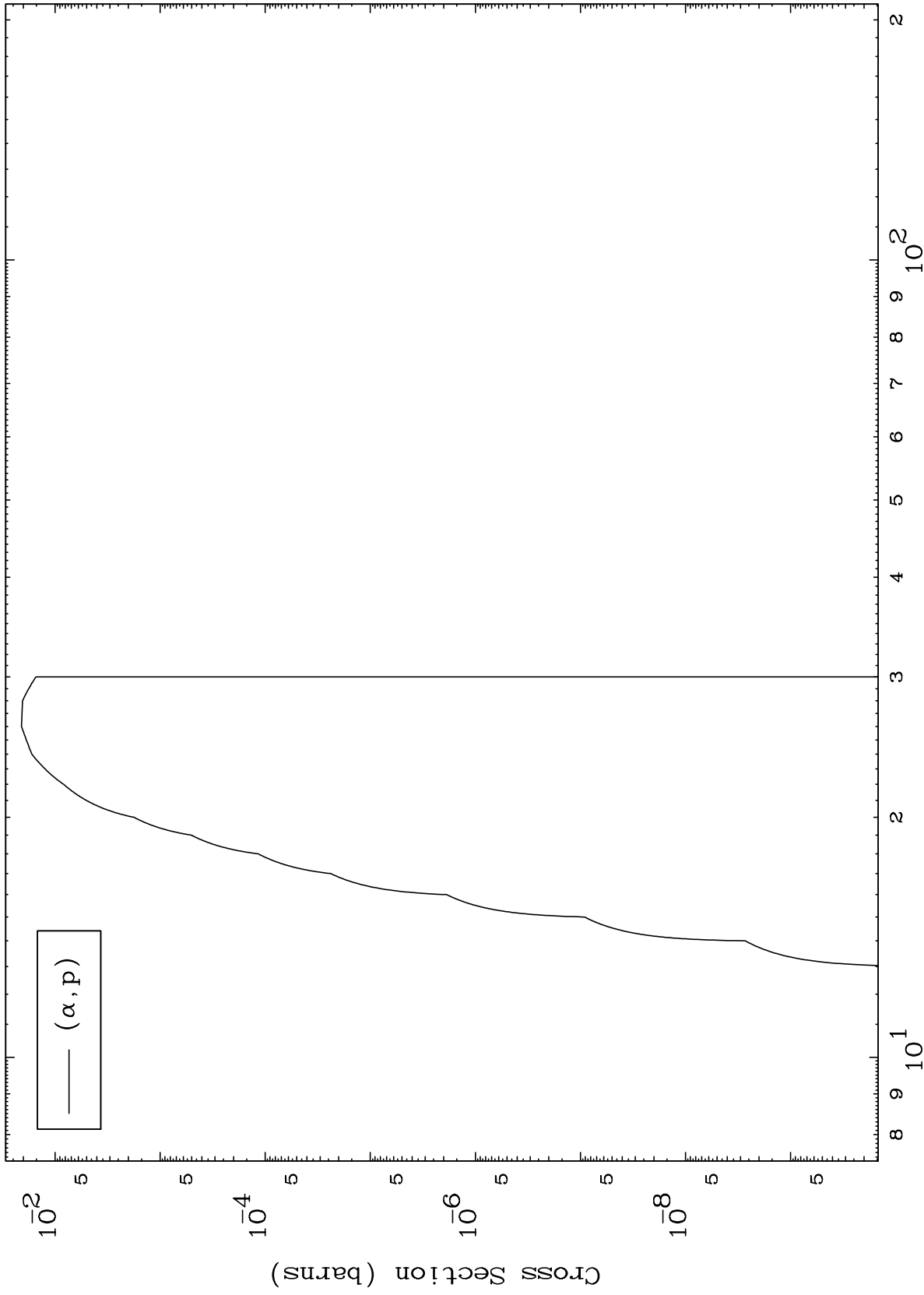




MAT 8289

(α, p) Levels
0 Kelvin Cross Sections

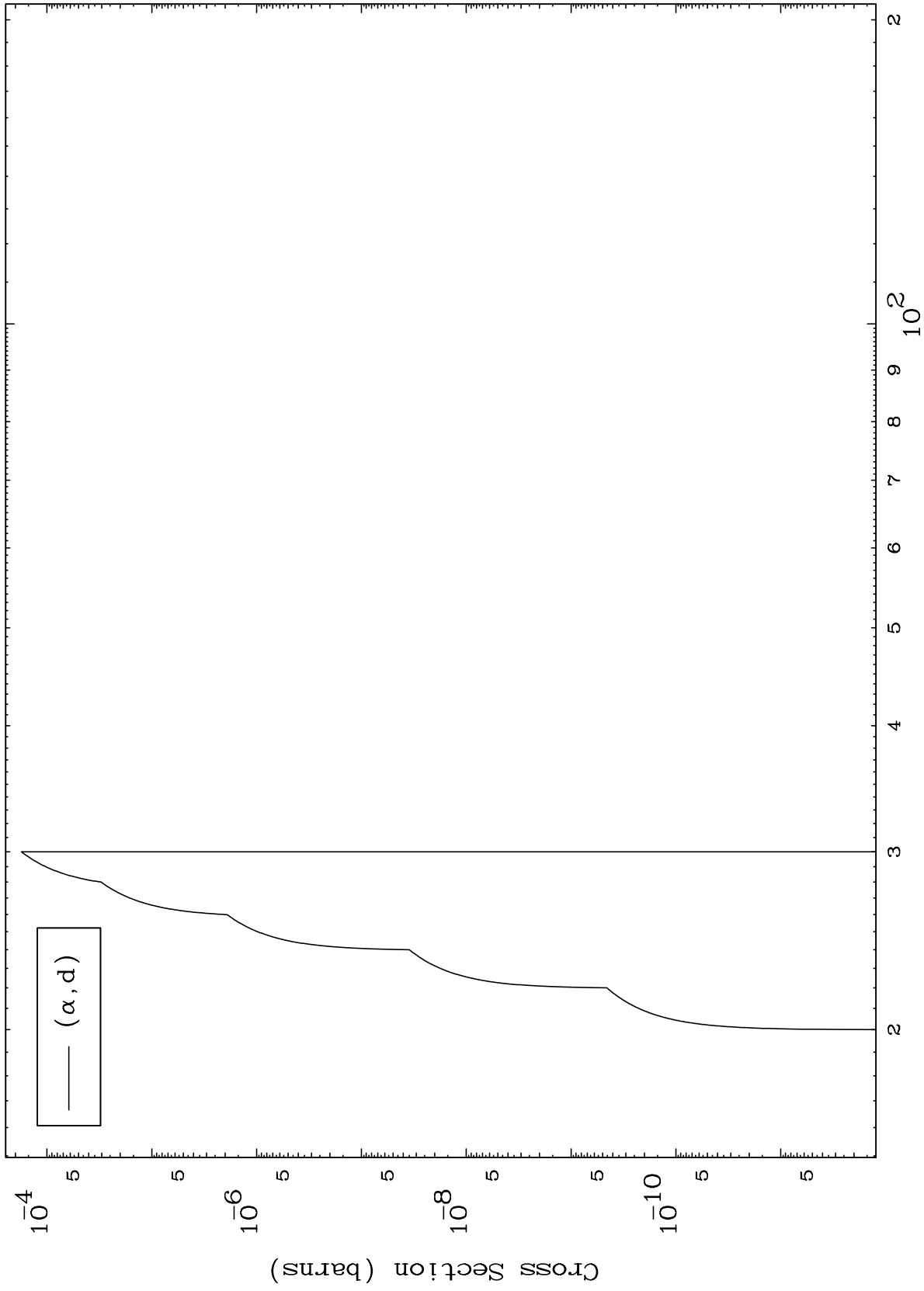
83-Bi-197

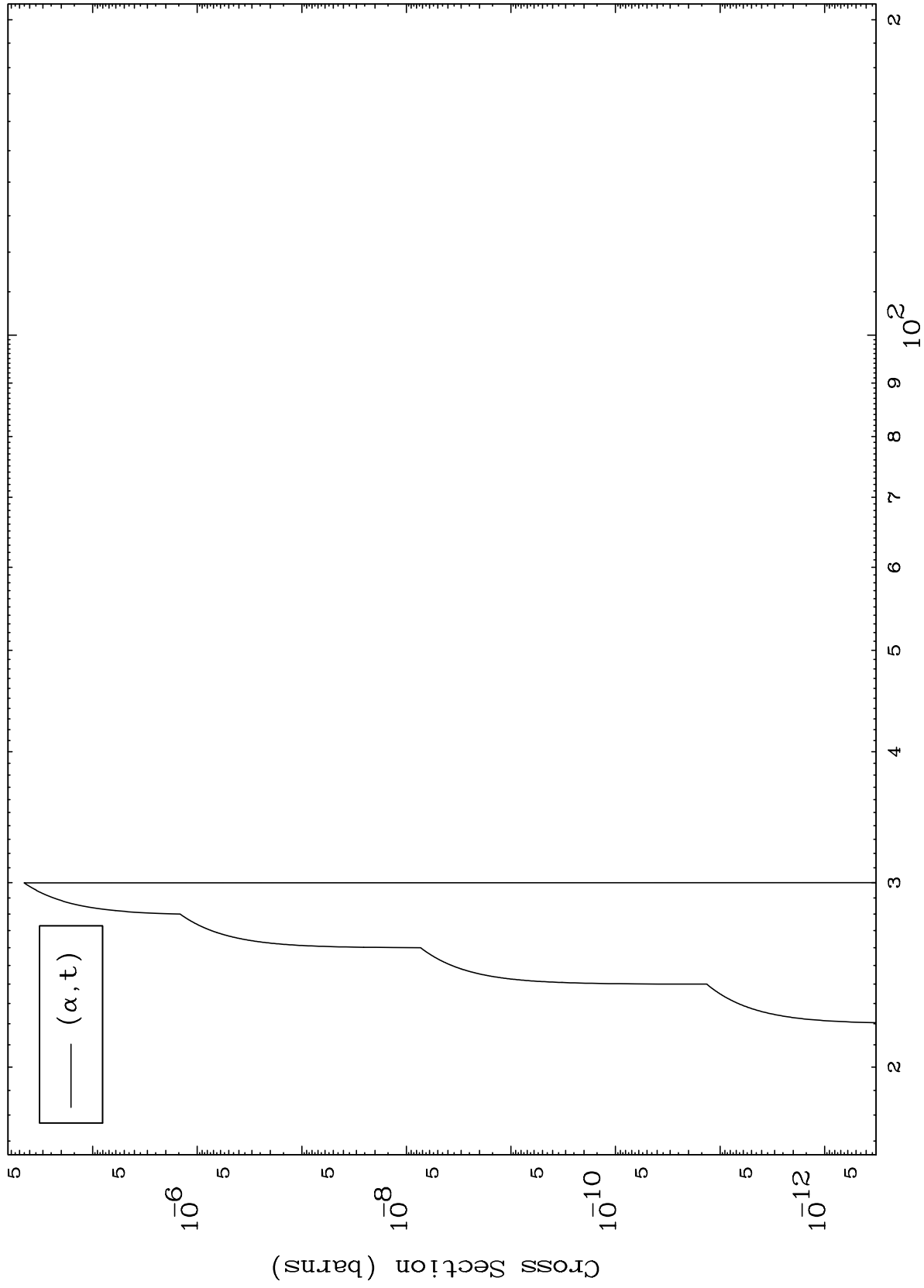


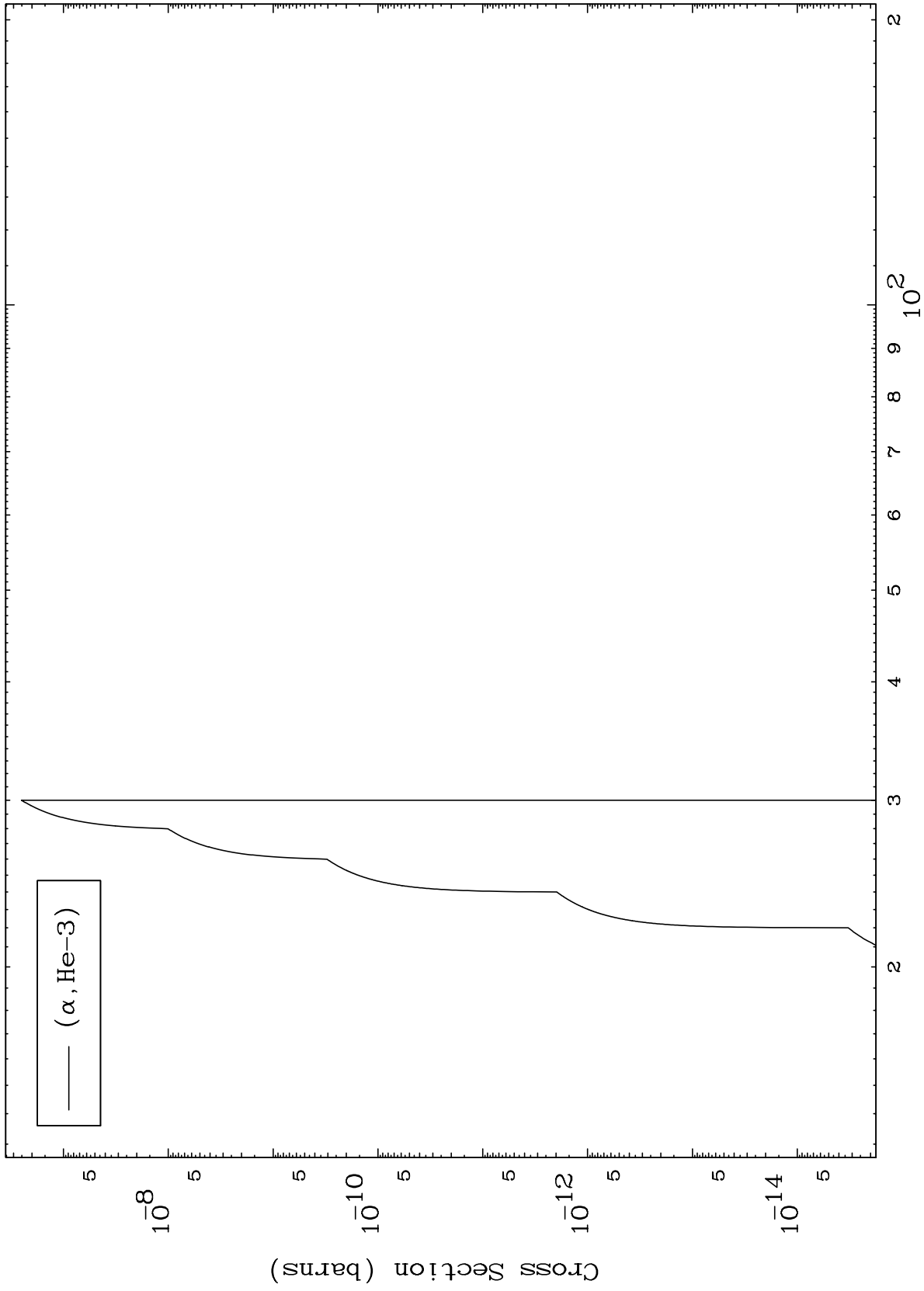
6

Incident Energy (MeV)

83-Bi-197



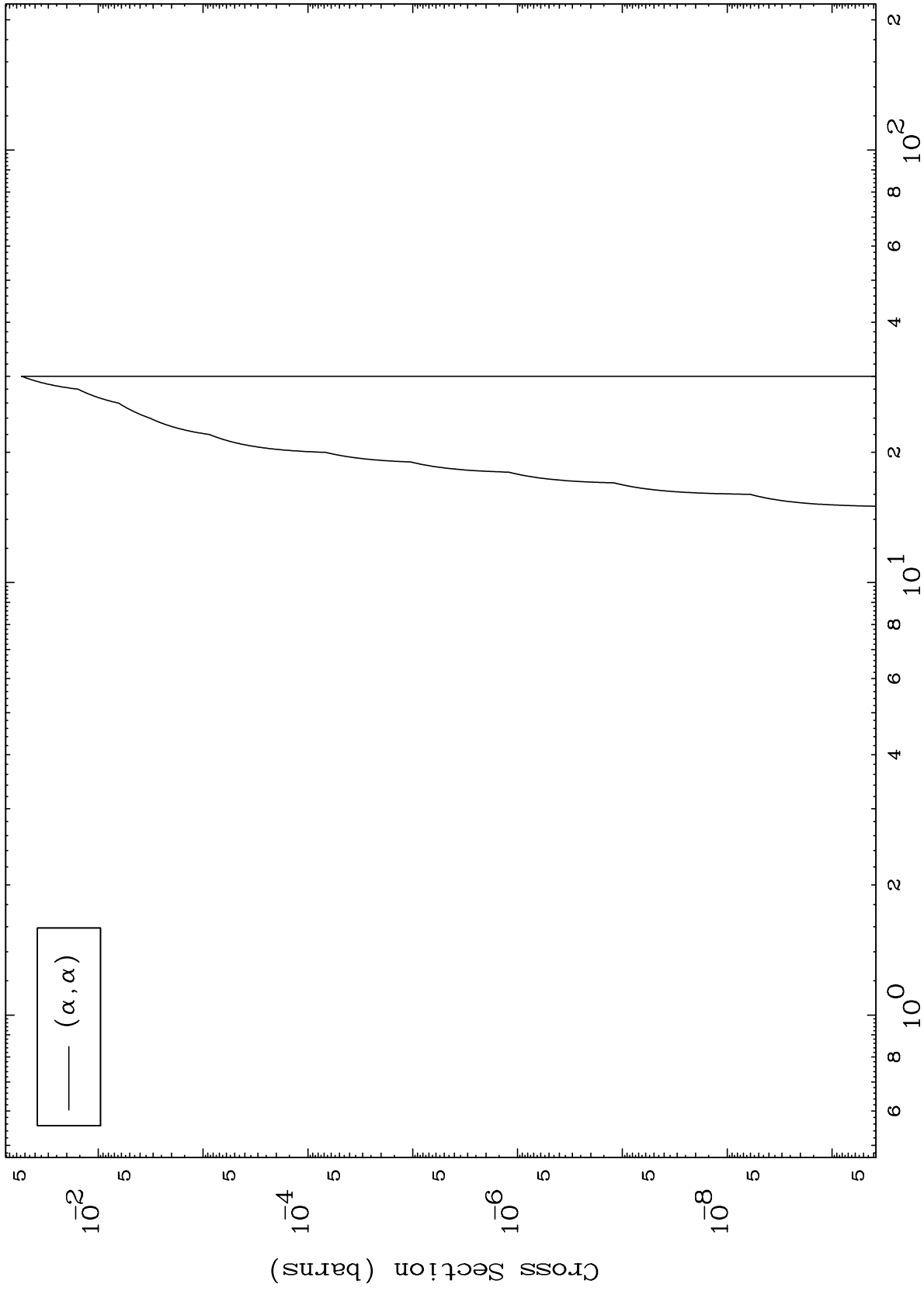




MAT 8289

(α, α) Levels
0 Kelvin Cross Sections

83-Bi-197

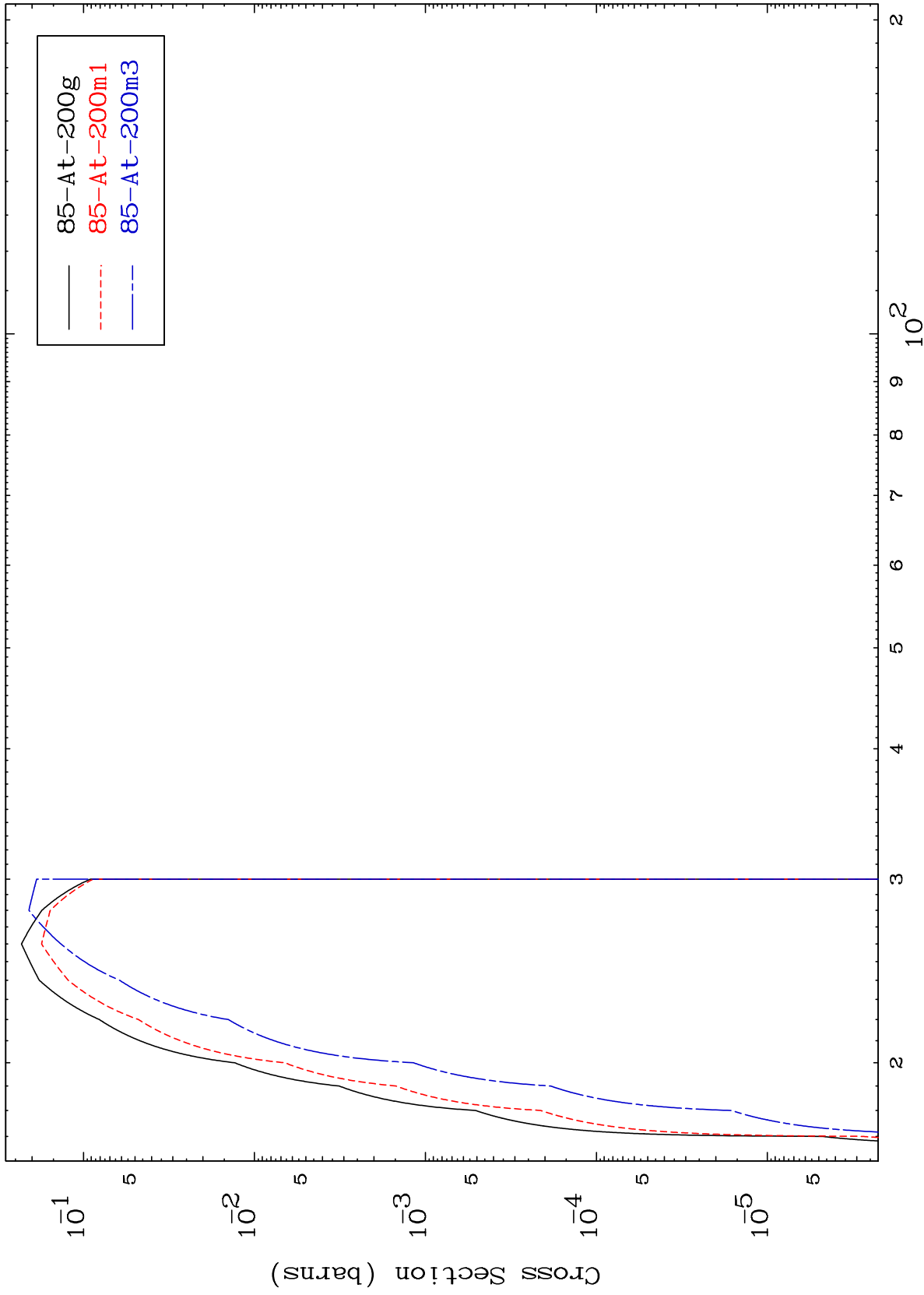


10

Incident Energy (MeV)

83-Bi-197

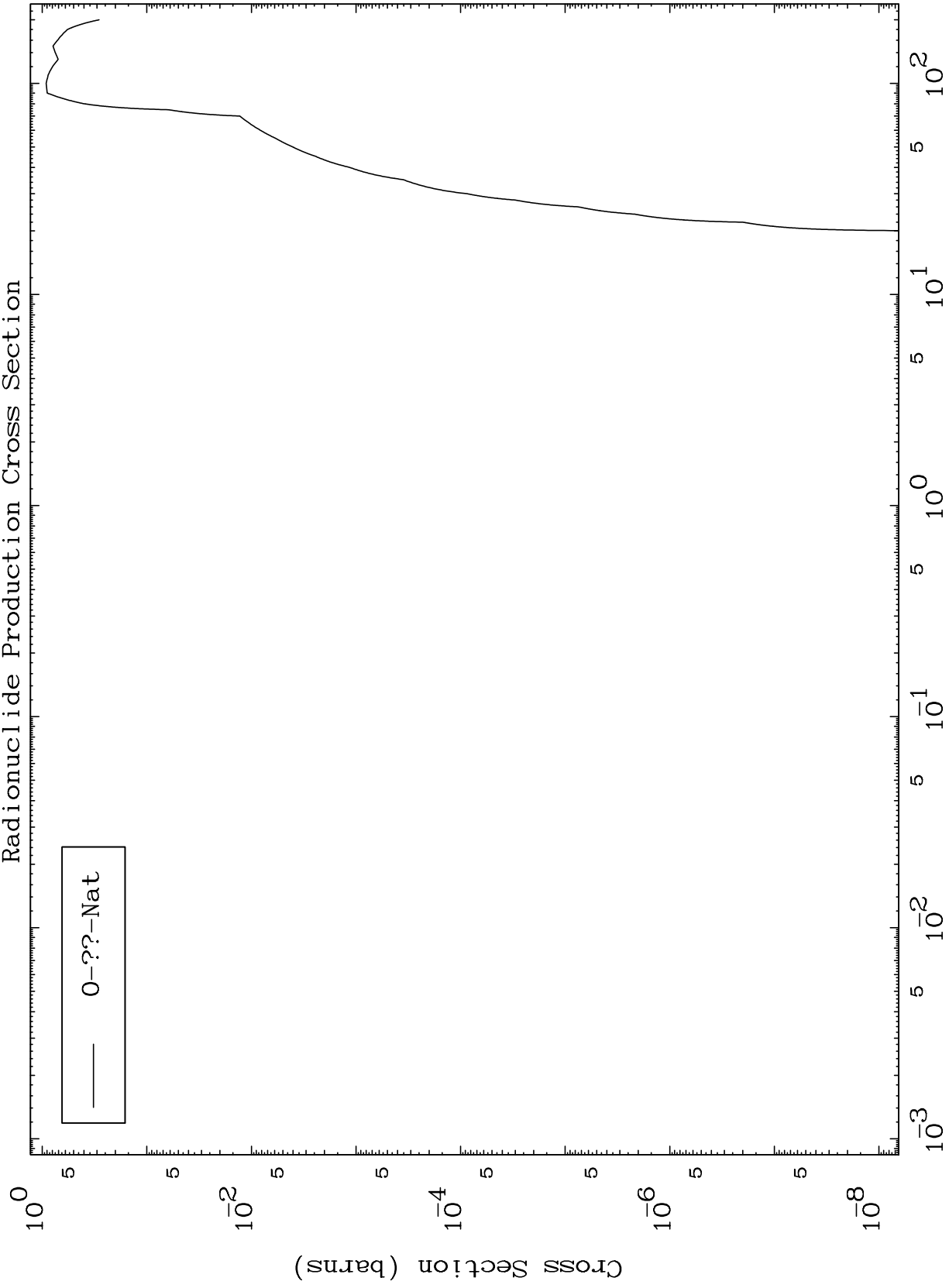
α Inelastic
Radionuclide Production Cross Section



MAT 8289

α Fission
Radionuclide Production Cross Section

83-Bi-197



12

Incident Energy (MeV)

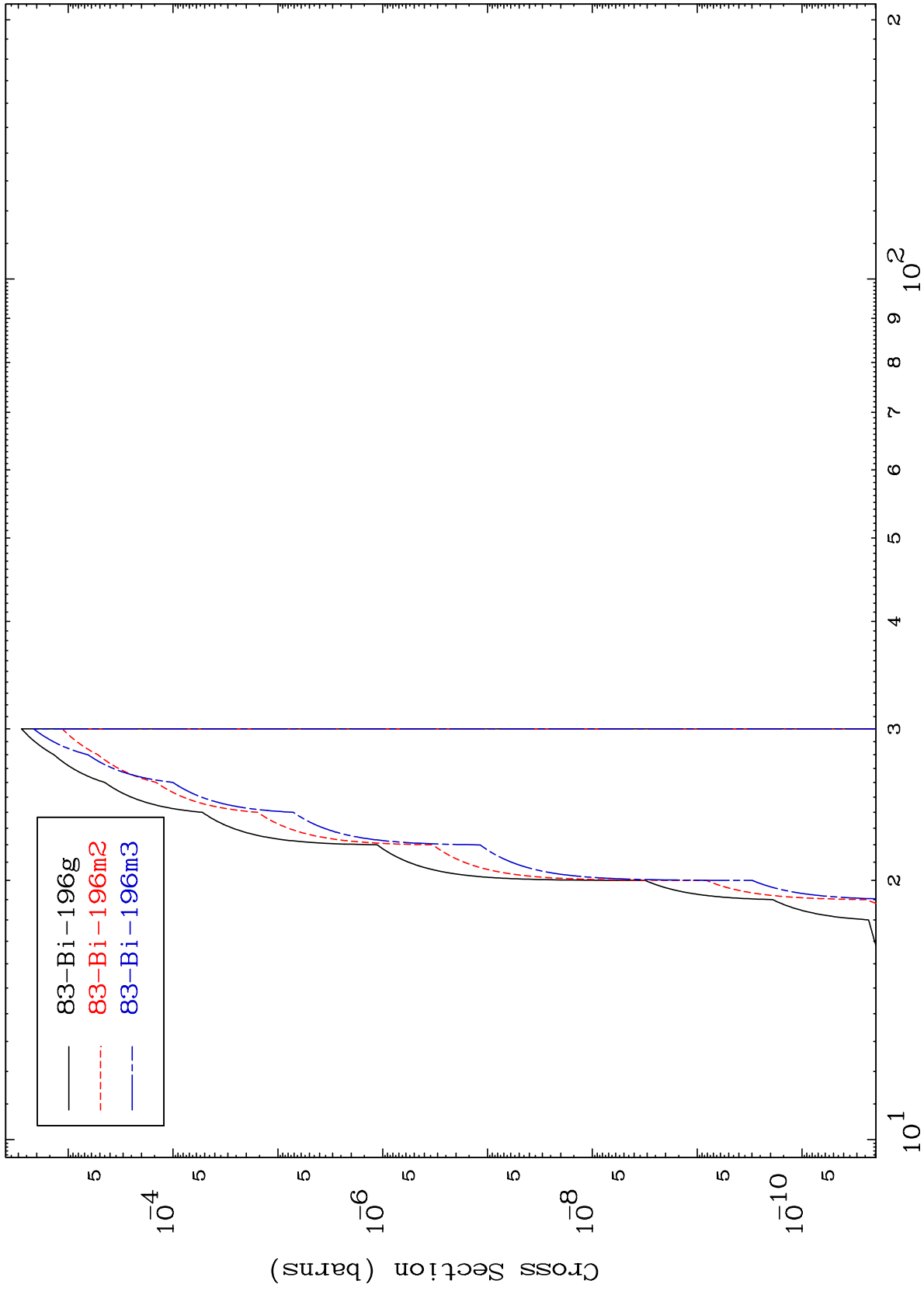
83-Bi-197

MAT 8289

(α, n') α

83-Bi-197

Radionuclide Production Cross Section



13

Incident Energy (MeV)

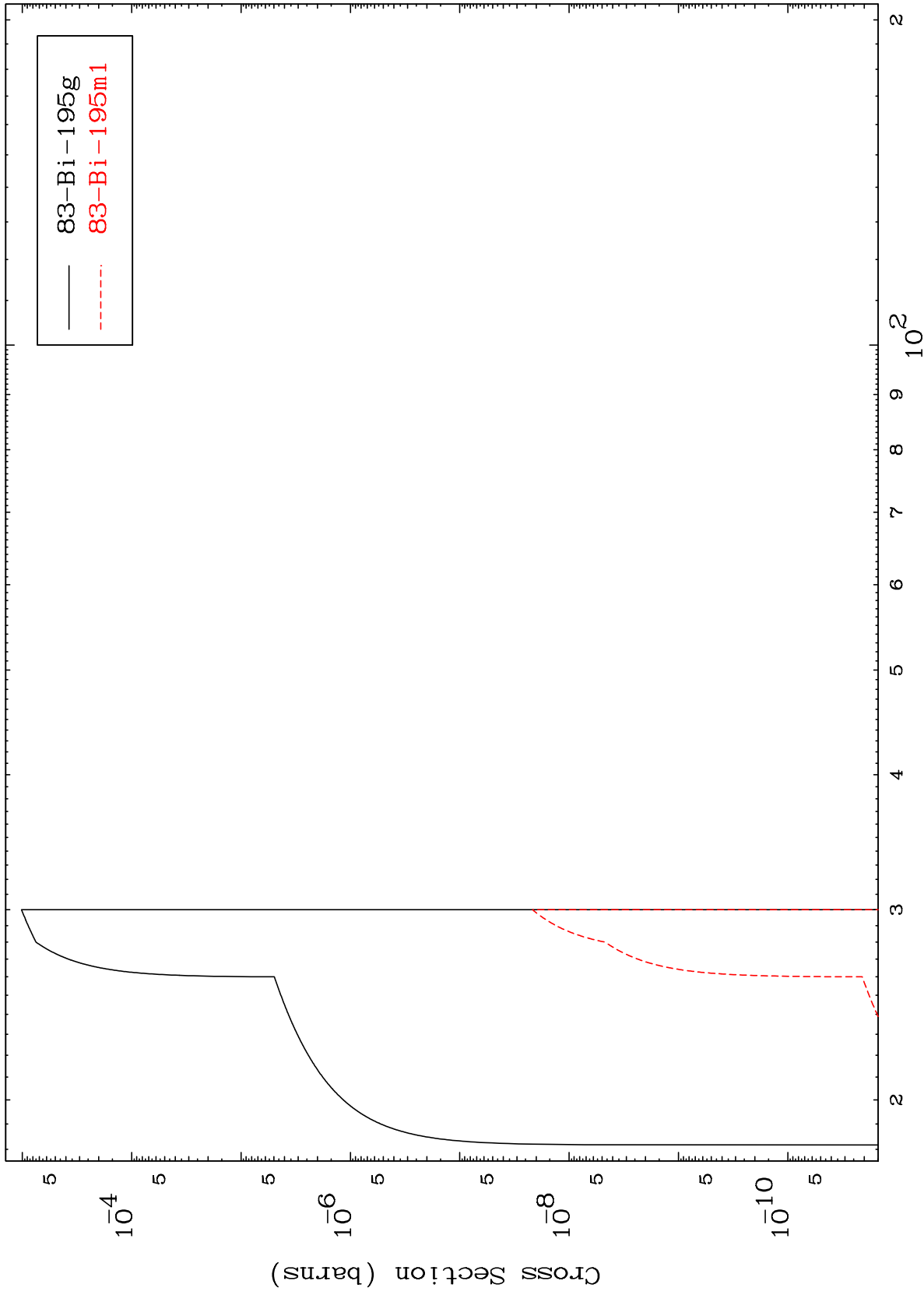
83-Bi-197

MAT 8289

$(\alpha, 2n) \alpha$

83-Bi-197

Radionuclide Production Cross Section



14

Incident Energy (MeV)

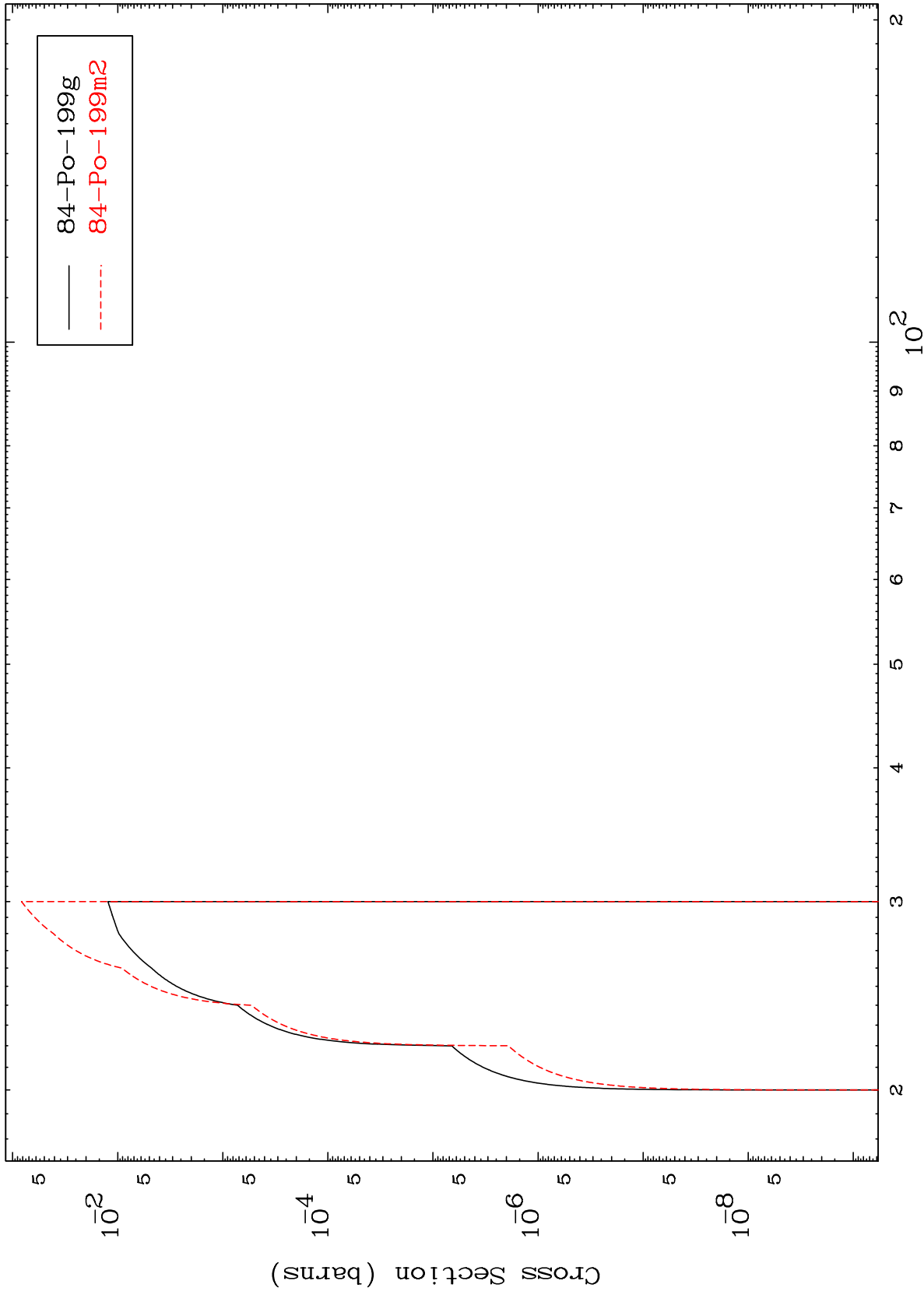
83-Bi-197

MAT 8289

(α, n') p

83-Bi-197

Radionuclide Production Cross Section



15

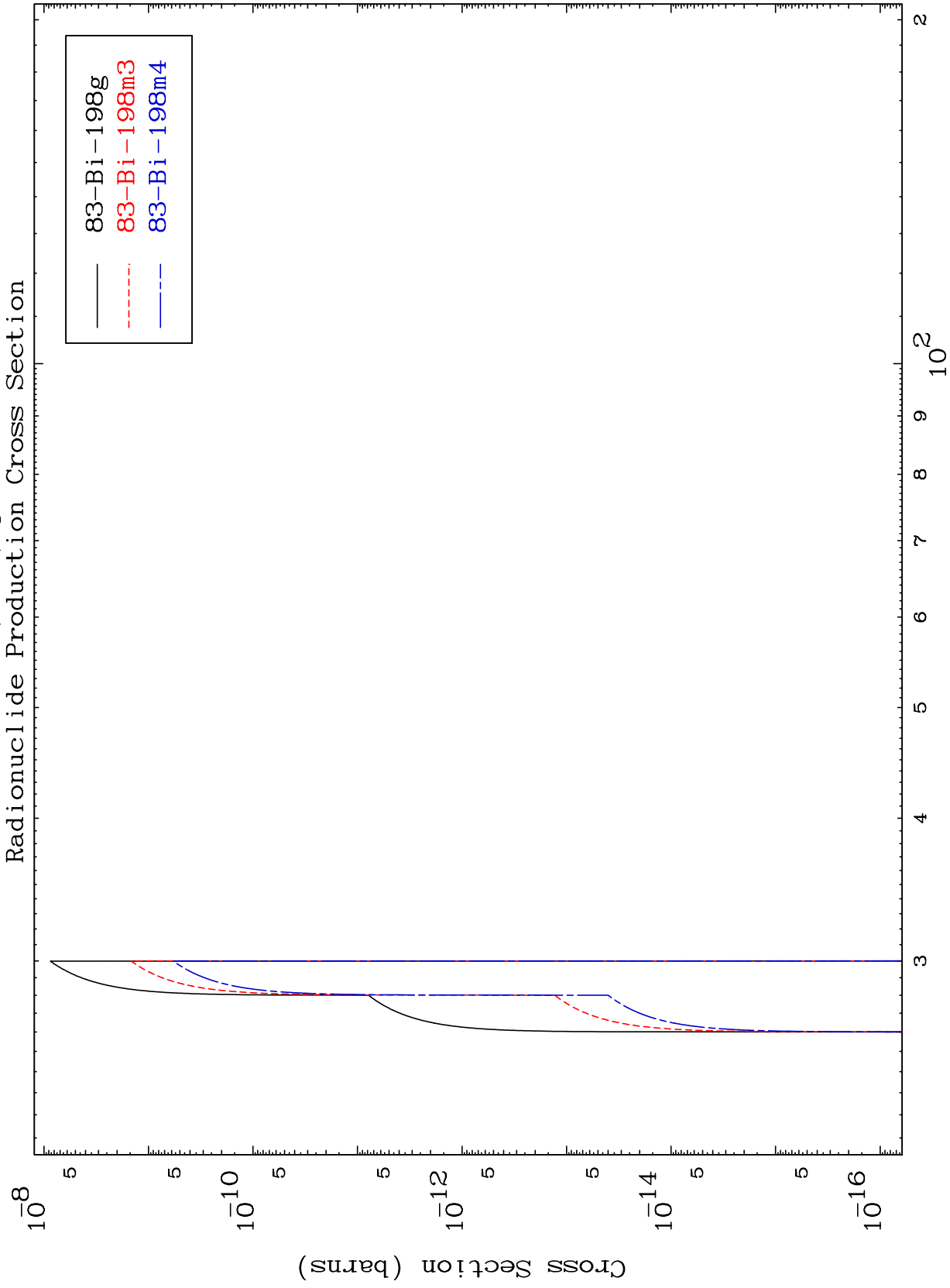
Incident Energy (MeV)

83-Bi-197

MAT 8289

($\alpha, 2n$) p

83-Bi-197



16

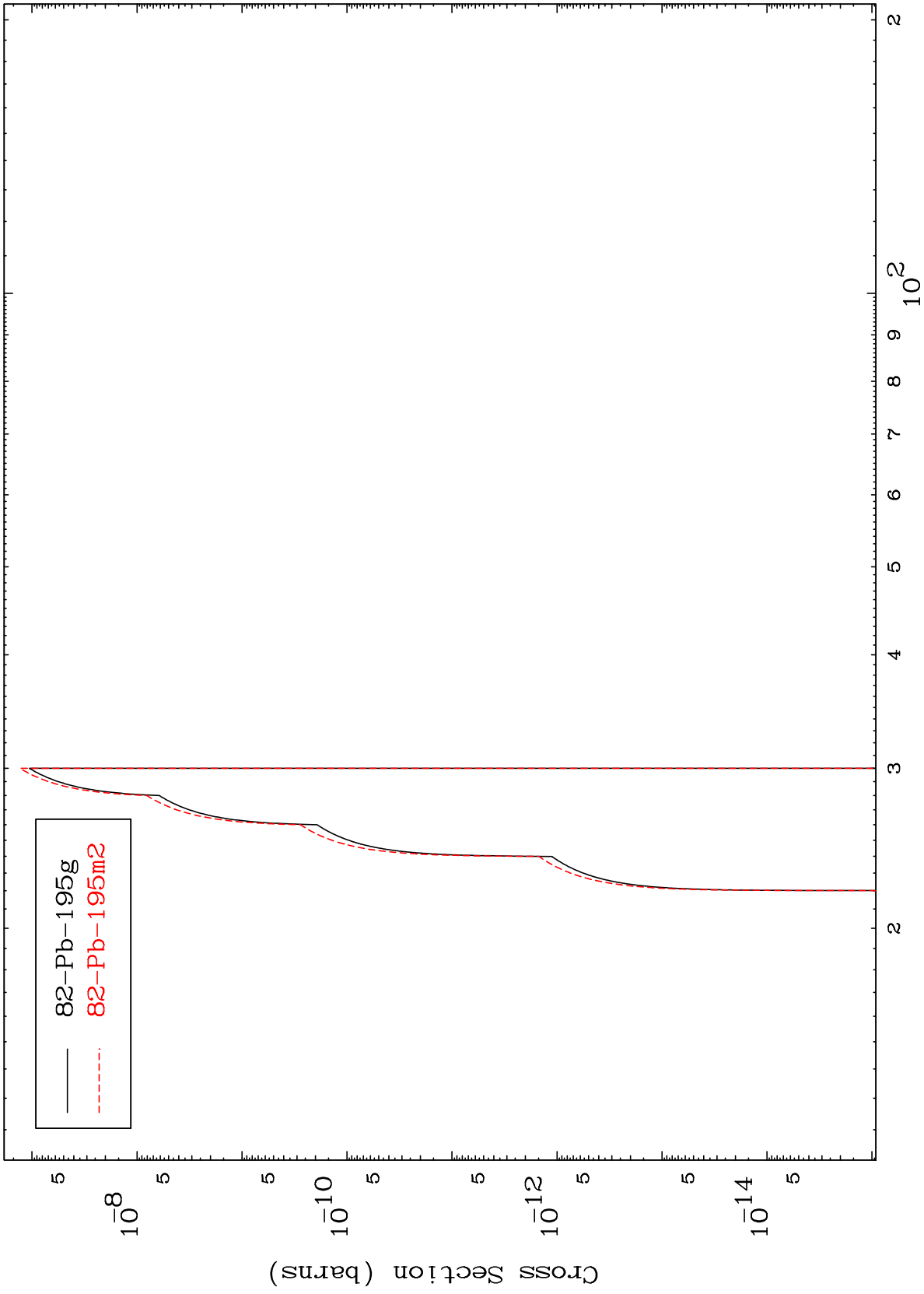
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

(α, n') p α
Radionuclide Production Cross Section



17

83-Bi-197

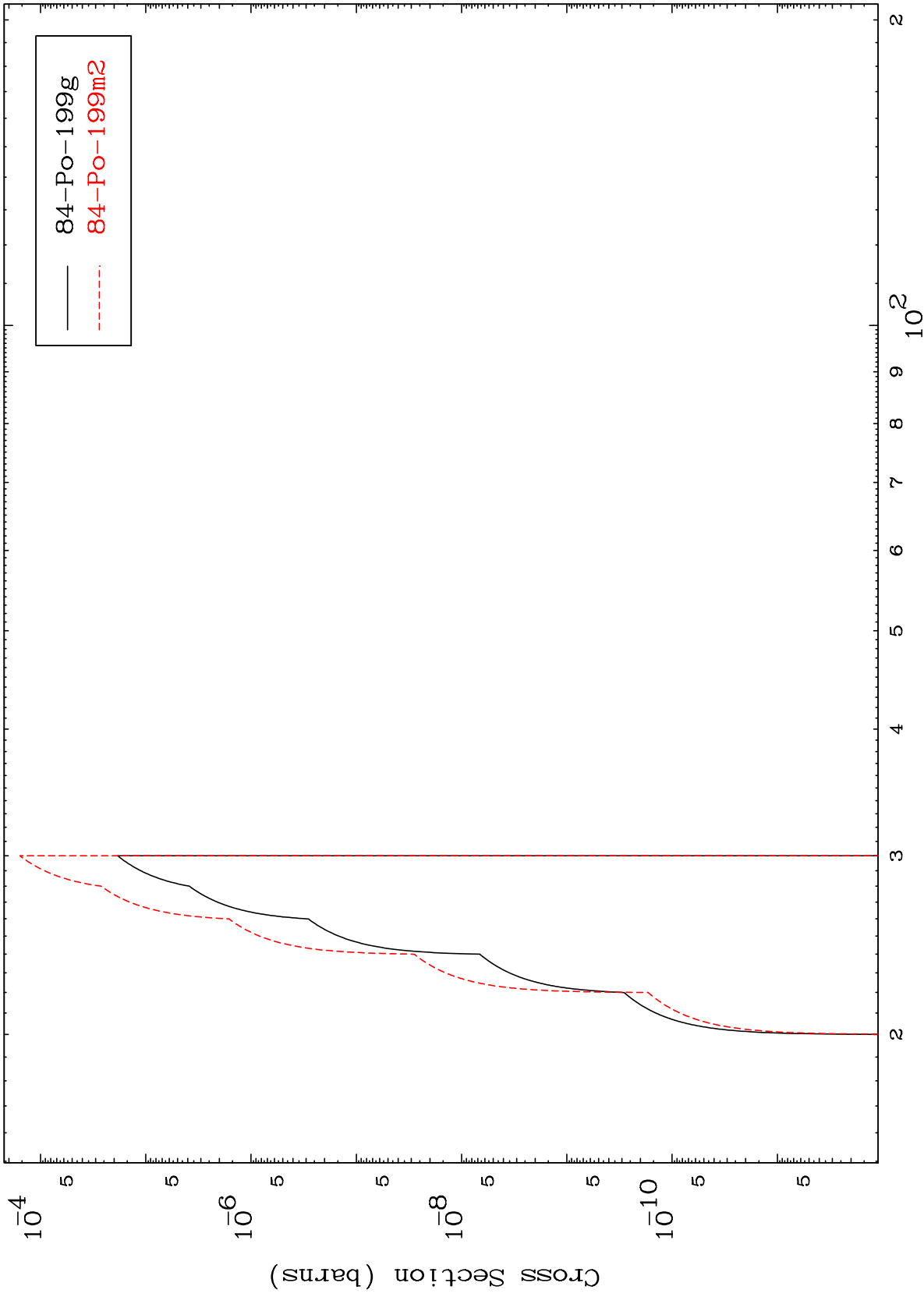
Incident Energy (MeV)

MAT 8289

(α, d)

83-Bi-197

Radionuclide Production Cross Section



18

Incident Energy (MeV)

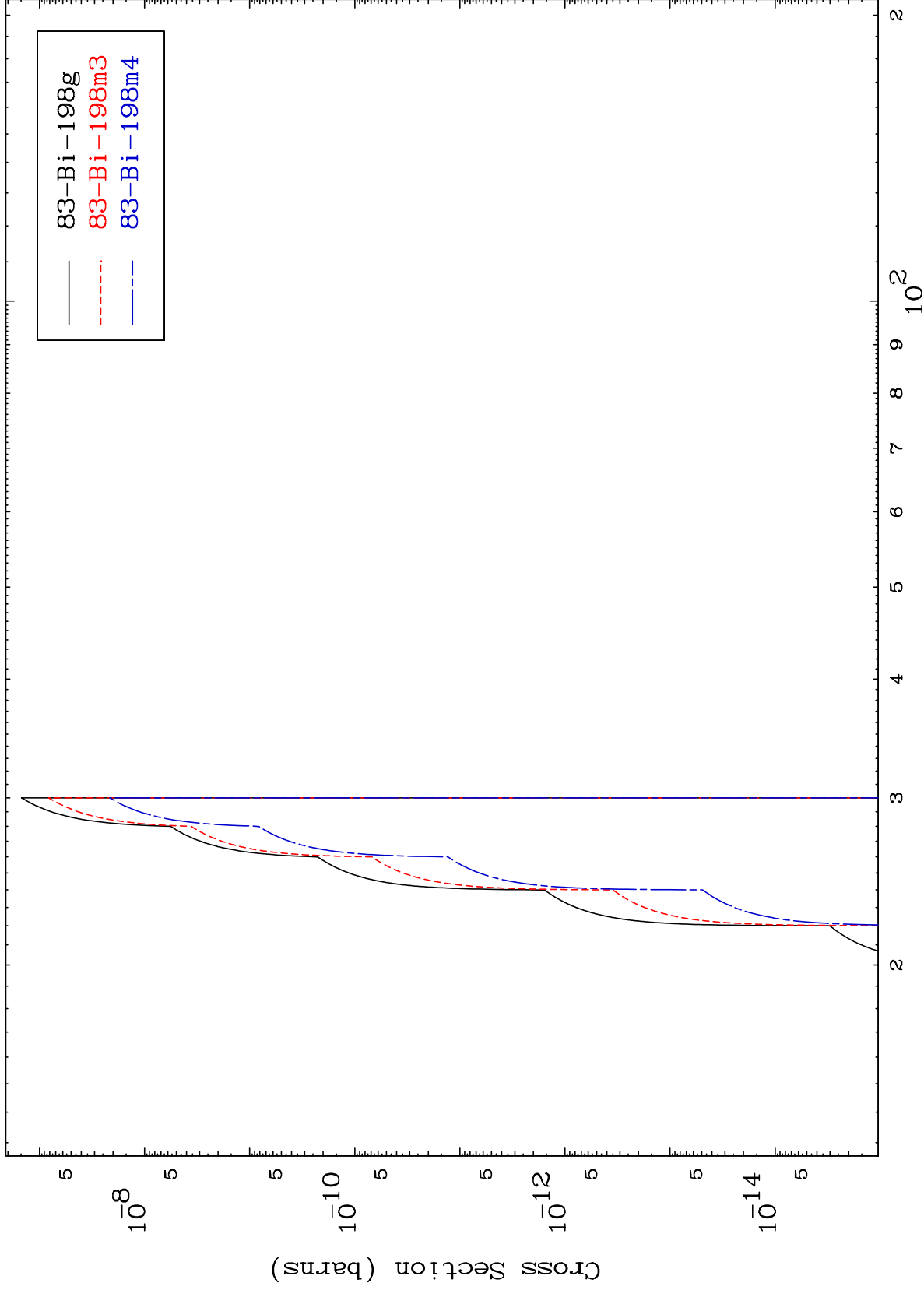
83-Bi-197

MAT 8289

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

$^{83}\text{Bi-197}$

Radionuclide Production Cross Section



19

Incident Energy (MeV)

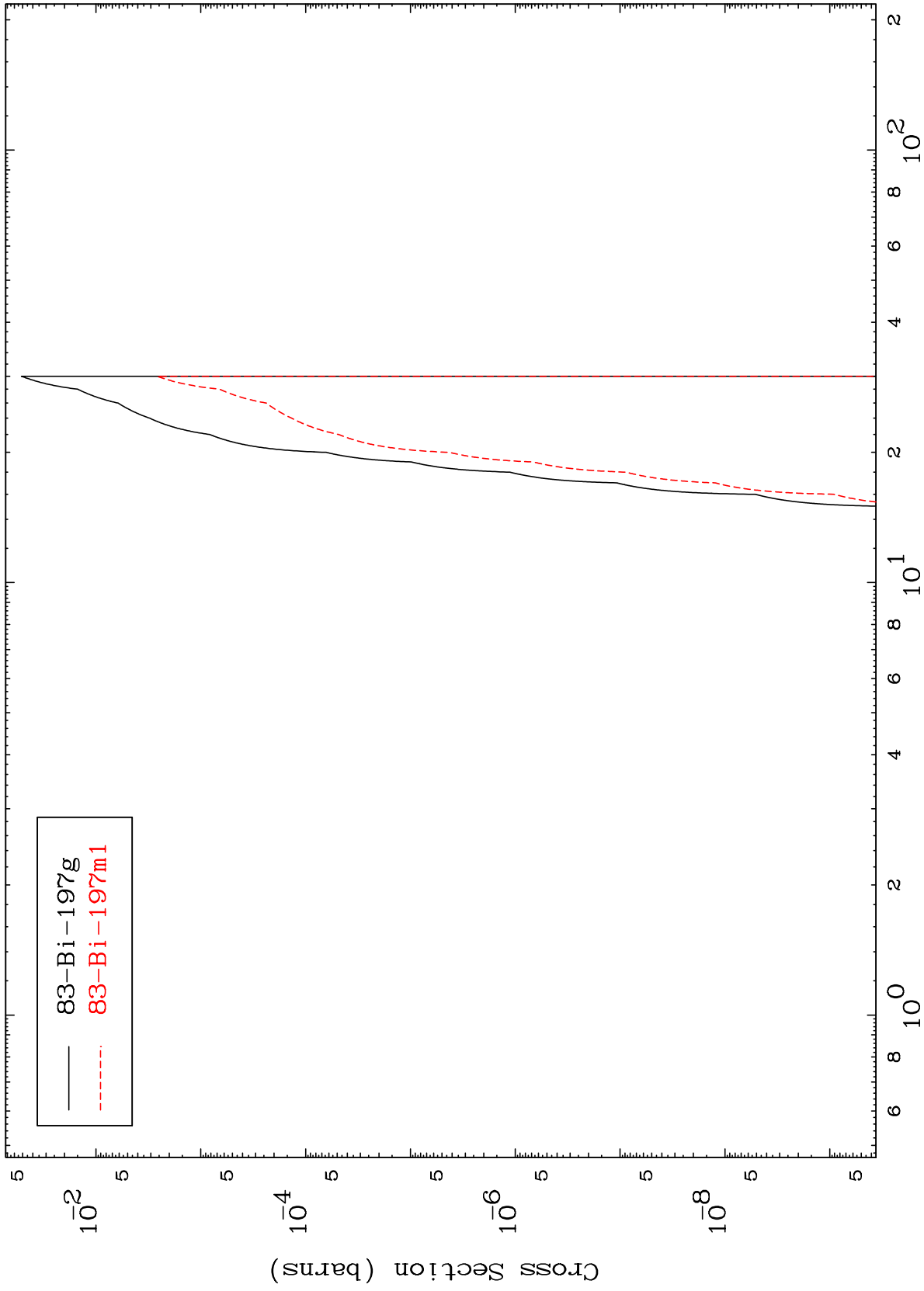
$^{83}\text{Bi-197}$

MAT 8289

(α, α)

83-Bi-197

Radionuclide Production Cross Section



20

Incident Energy (MeV)

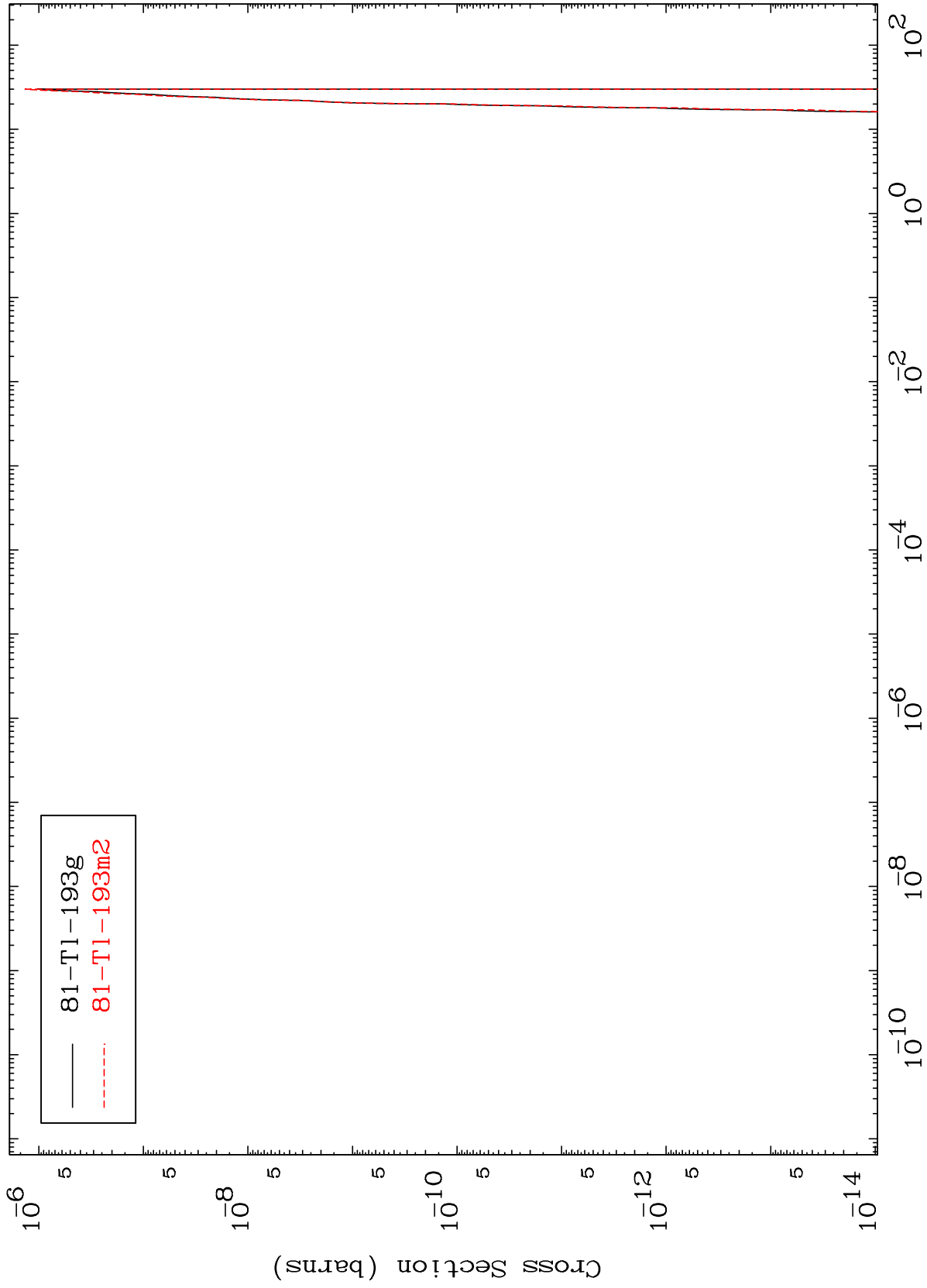
83-Bi-197

MAT 8289

($\alpha, 2\alpha$)

83-Bi-197

Radionuclide Production Cross Section



21

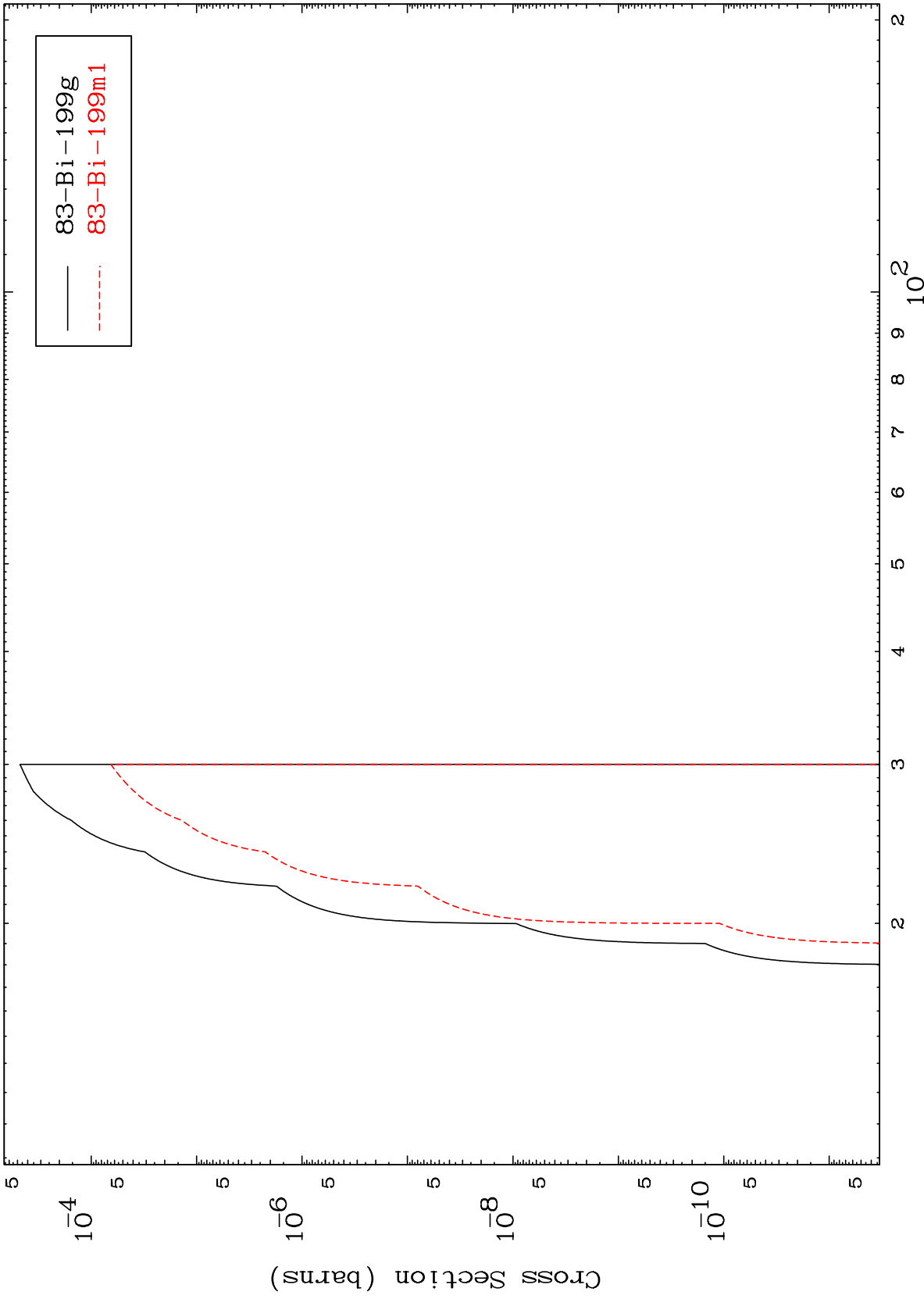
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

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



22

83-Bi-197

Incident Energy (MeV)