

Program EVALPLOT
(Version 2018-1)

by

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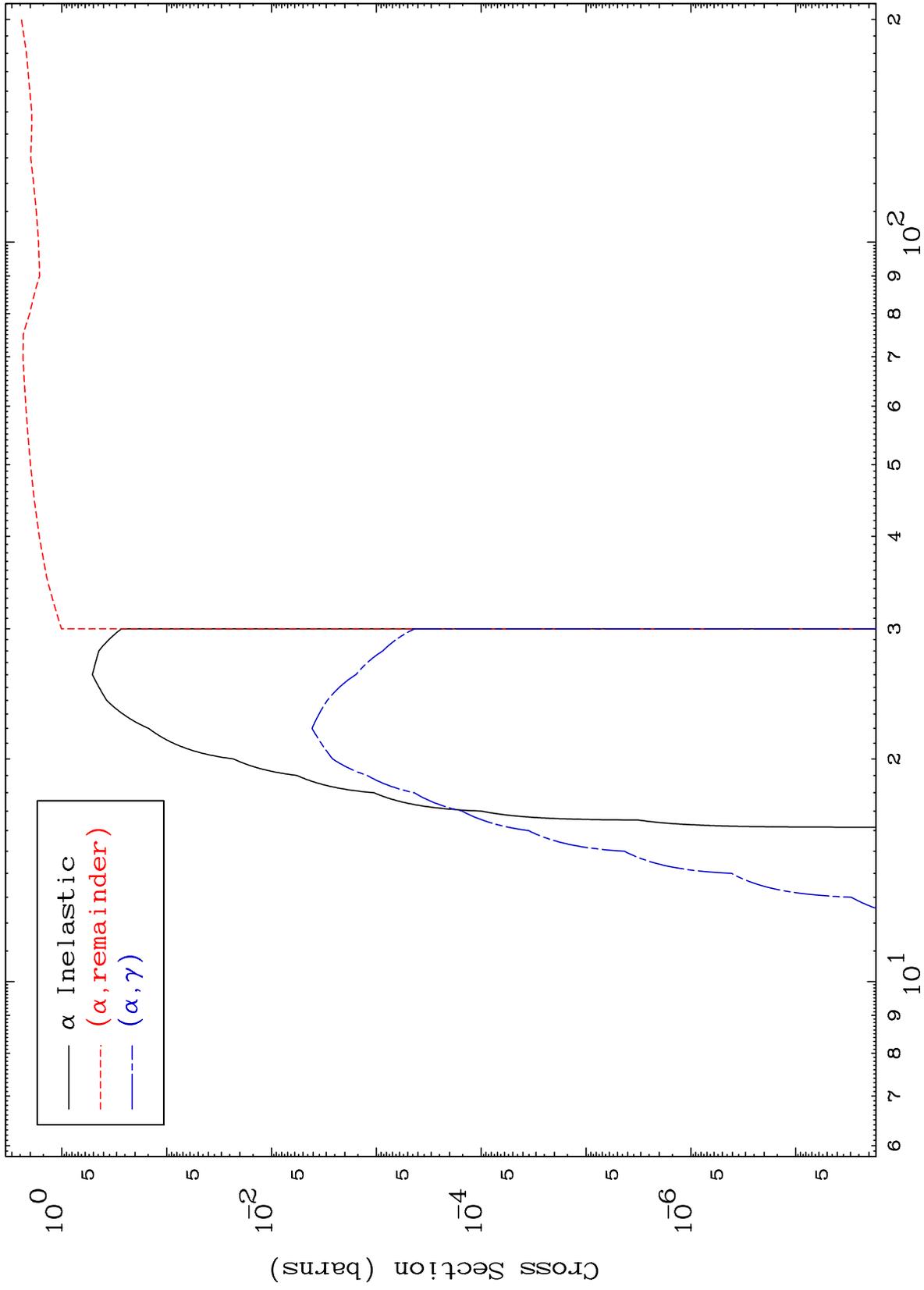
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8290

0 Kelvin α Major
Cross Sections

83-Bi-197



1

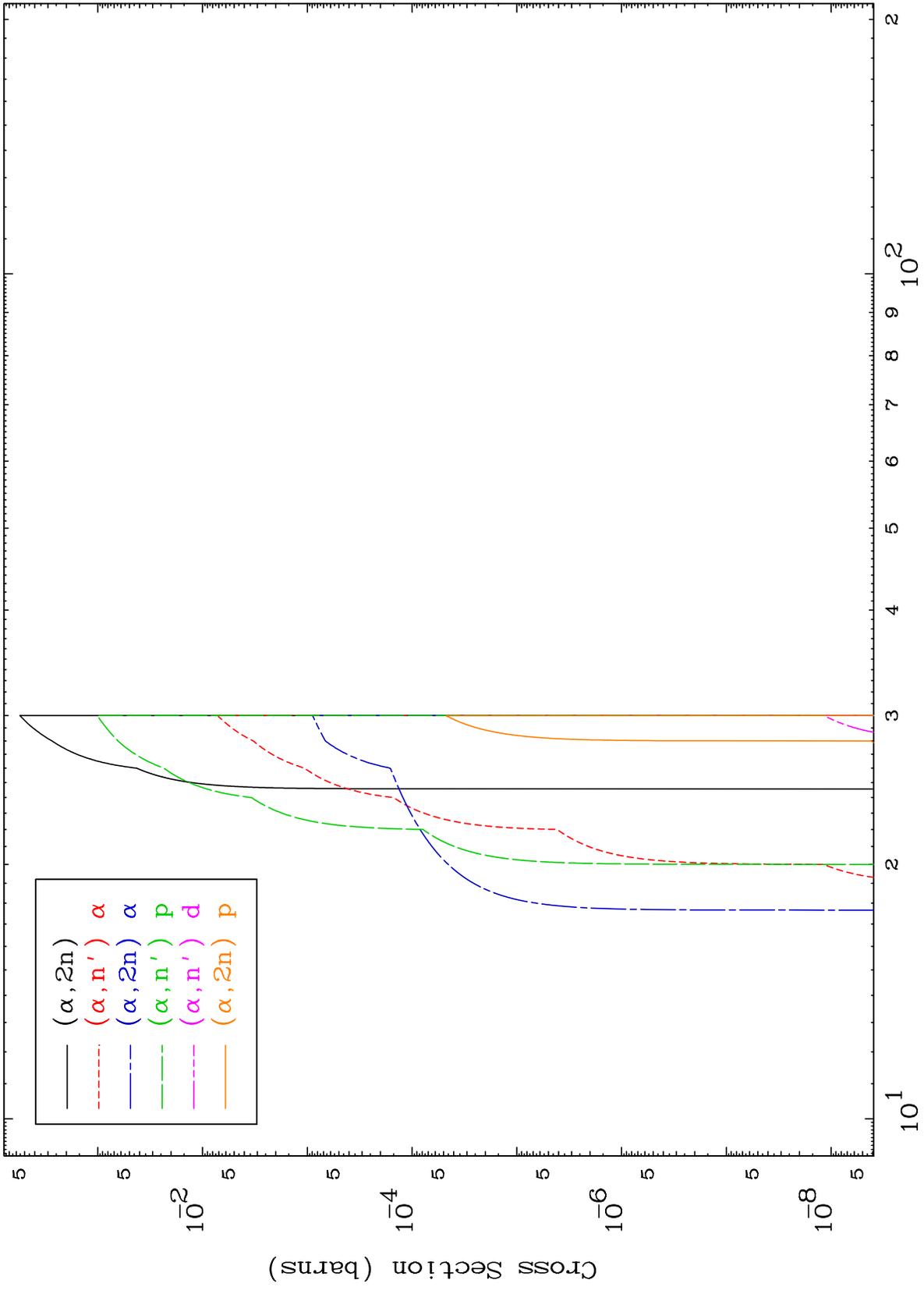
Incident Energy (MeV)

83-Bi-197

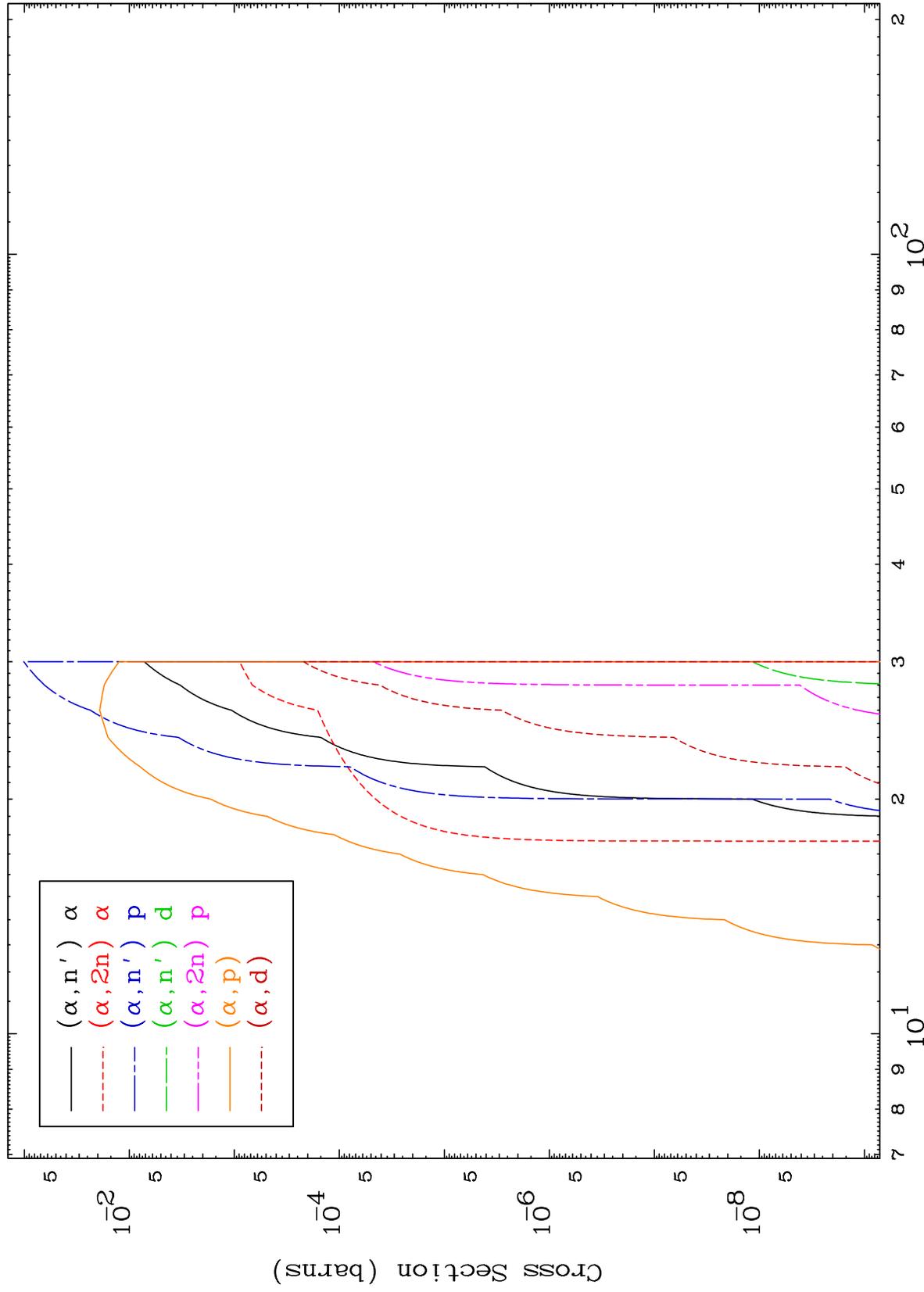
MAT 8290

α Neutron Production
0 Kelvin Cross Sections

83-Bi-197



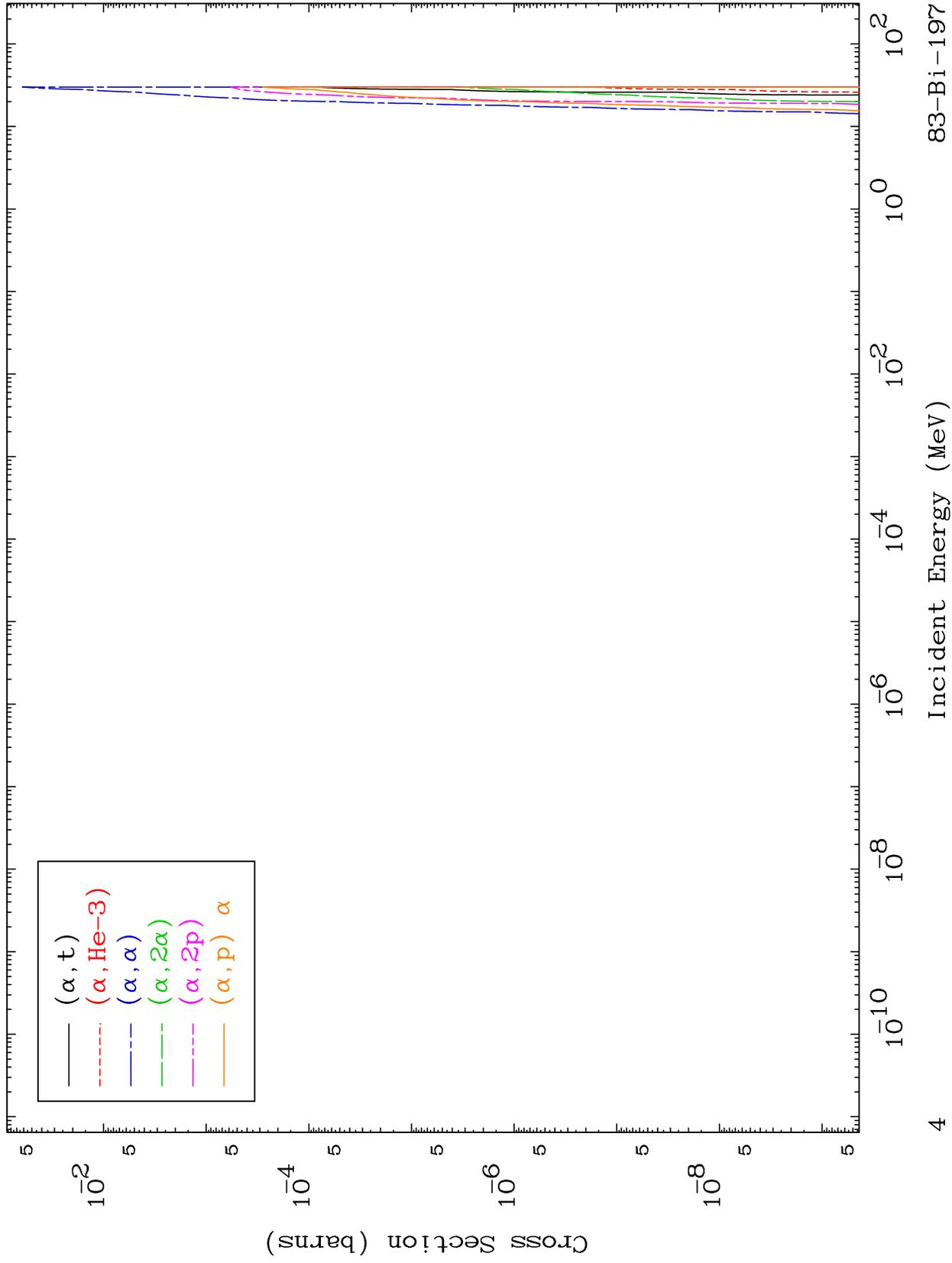
83-Bi-197



MAT 8290

α Charged Particle
0 Kelvin Cross Sections

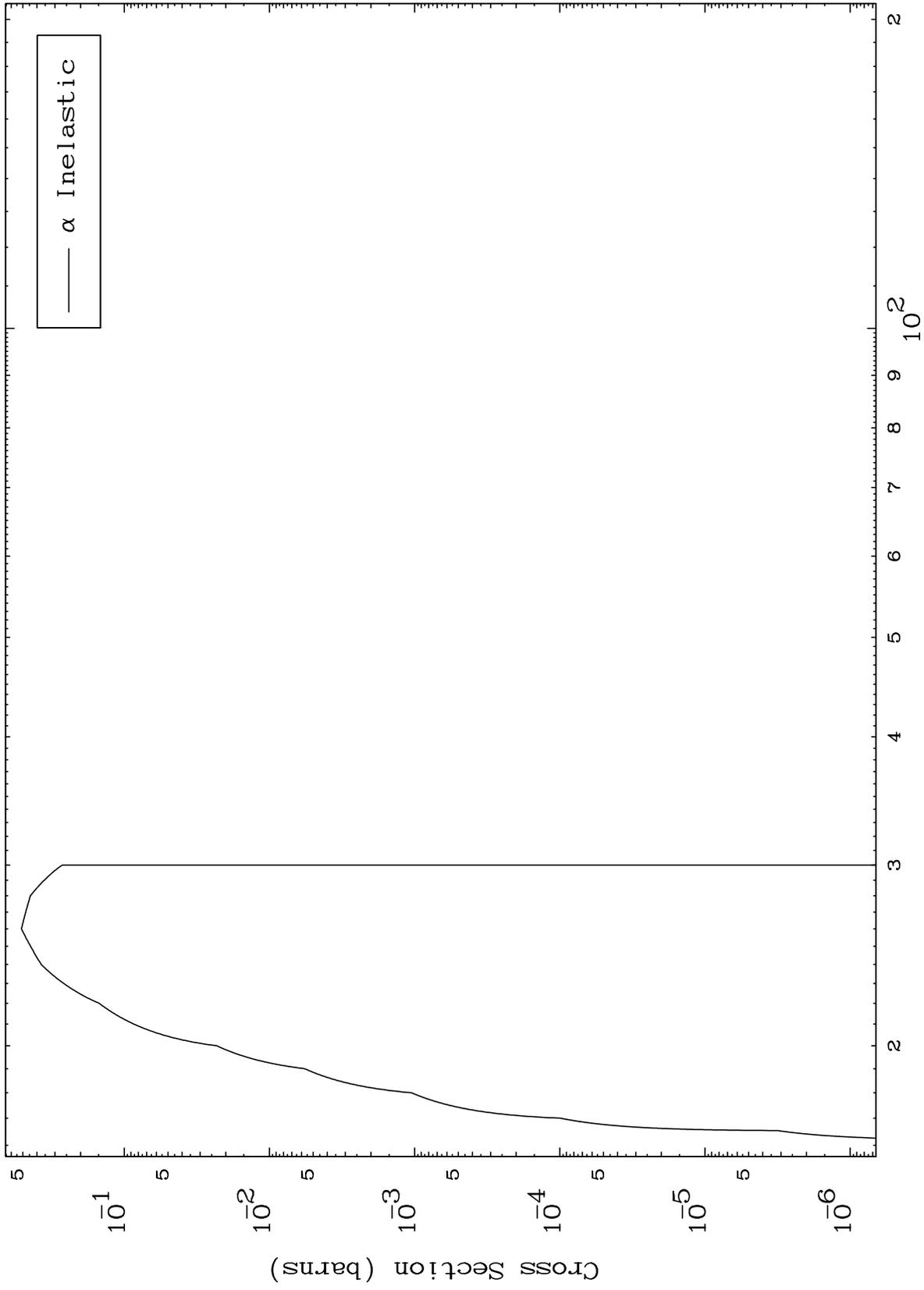
83-Bi-197



MAT 8290

(α, n') Level
0 Kelvin Cross Sections

83-Bi-197



5

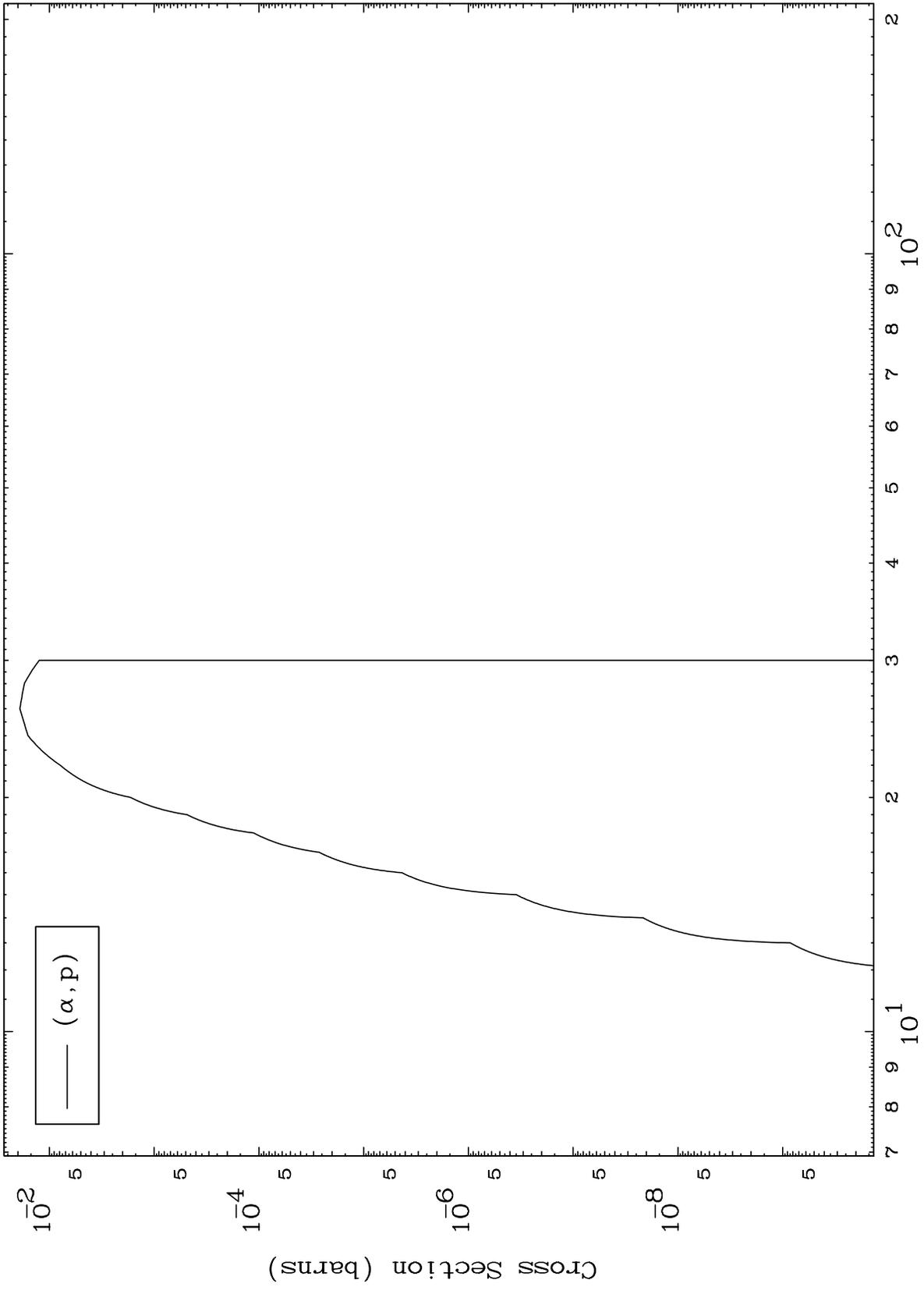
Incident Energy (MeV)

83-Bi-197

MAT 8290

(α, p) Levels
0 Kelvin Cross Sections

83-Bi-197



6

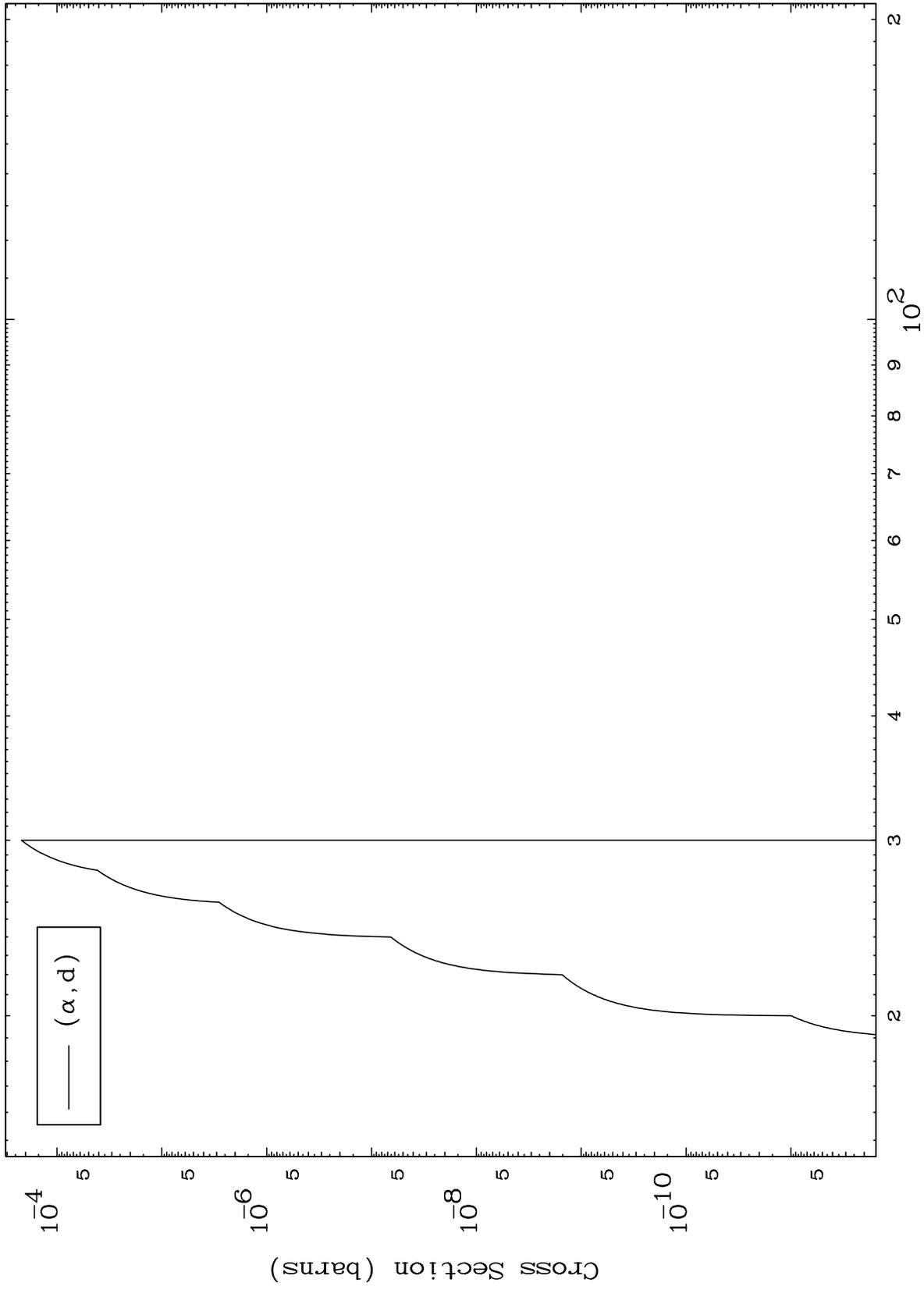
Incident Energy (MeV)

83-Bi-197

MAT 8290

(α, d) Levels
0 Kelvin Cross Sections

83-Bi-197



7

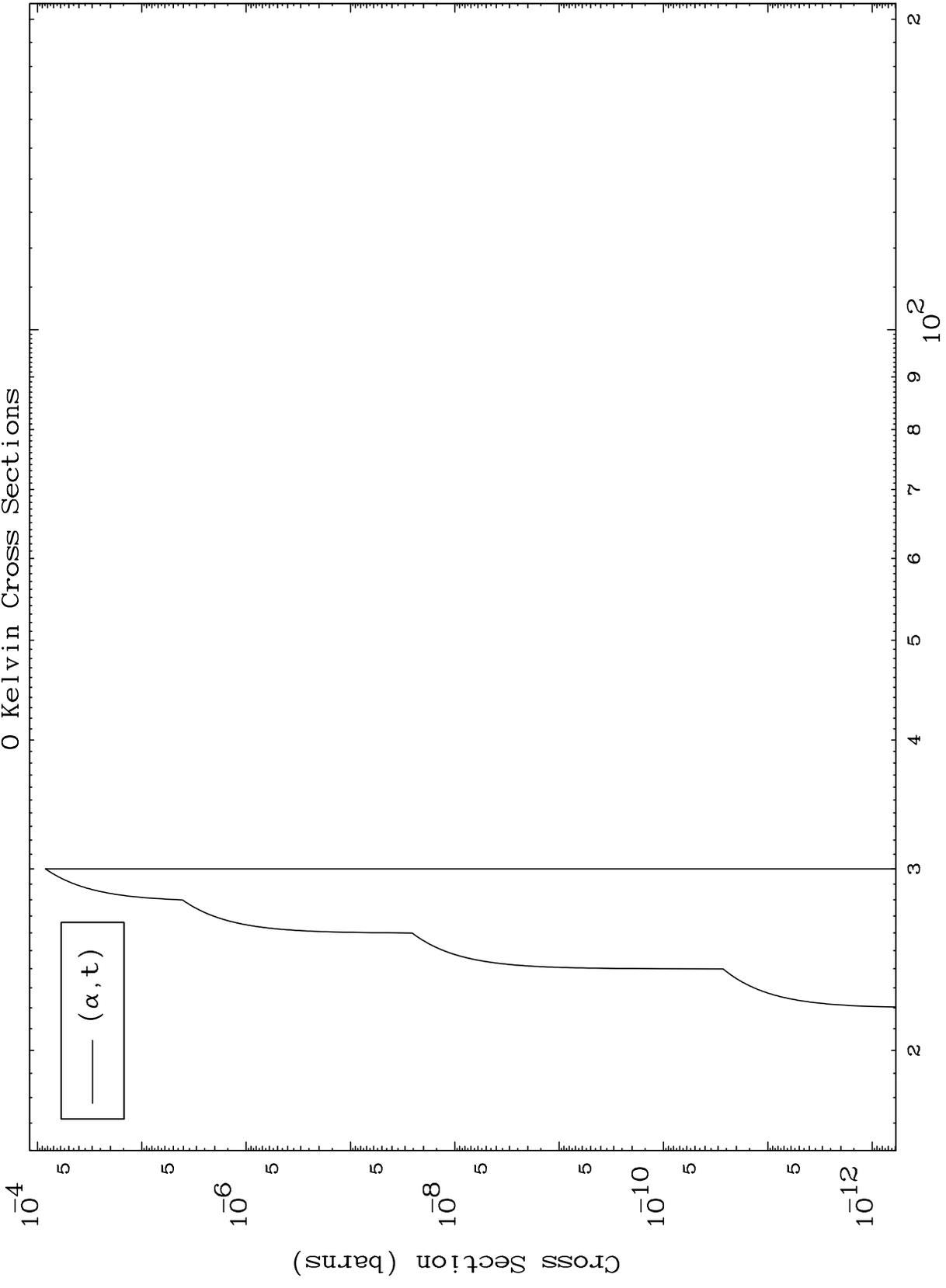
Incident Energy (MeV)

83-Bi-197

MAT 8290

(α, t) Levels
0 Kelvin Cross Sections

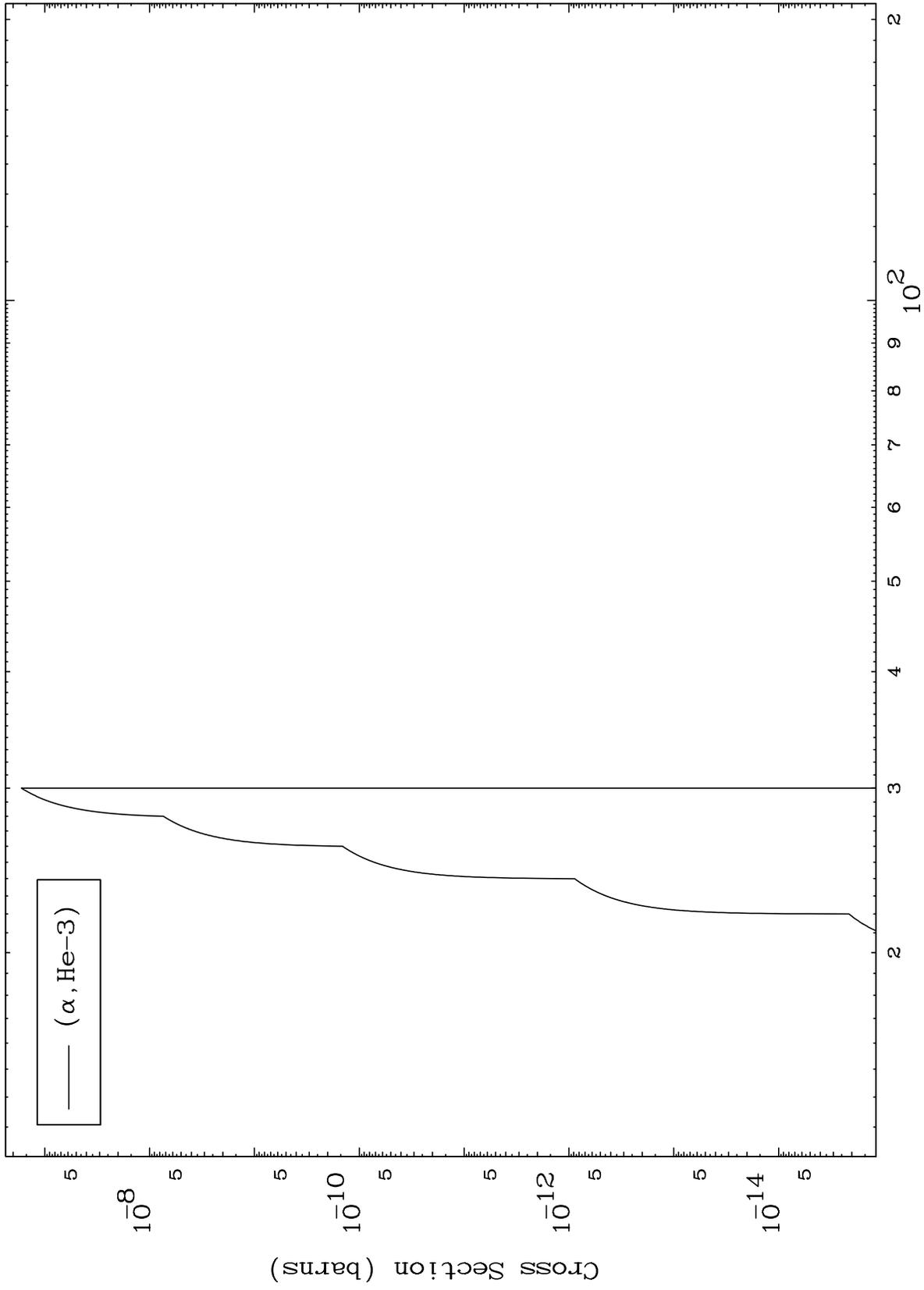
83-Bi-197



8

Incident Energy (MeV)

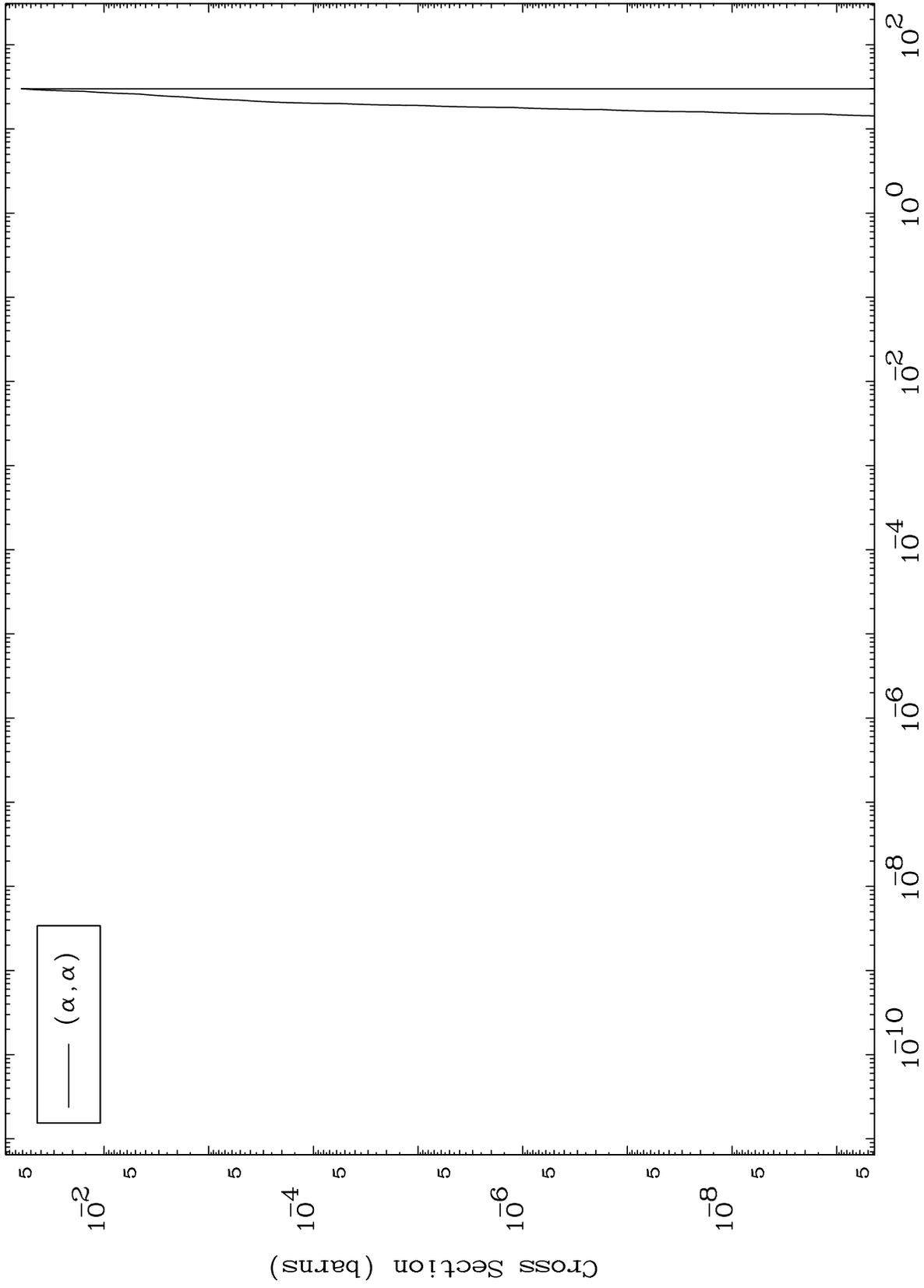
83-Bi-197



MAT 8290

(α, α) Levels
0 Kelvin Cross Sections

83-Bi-197

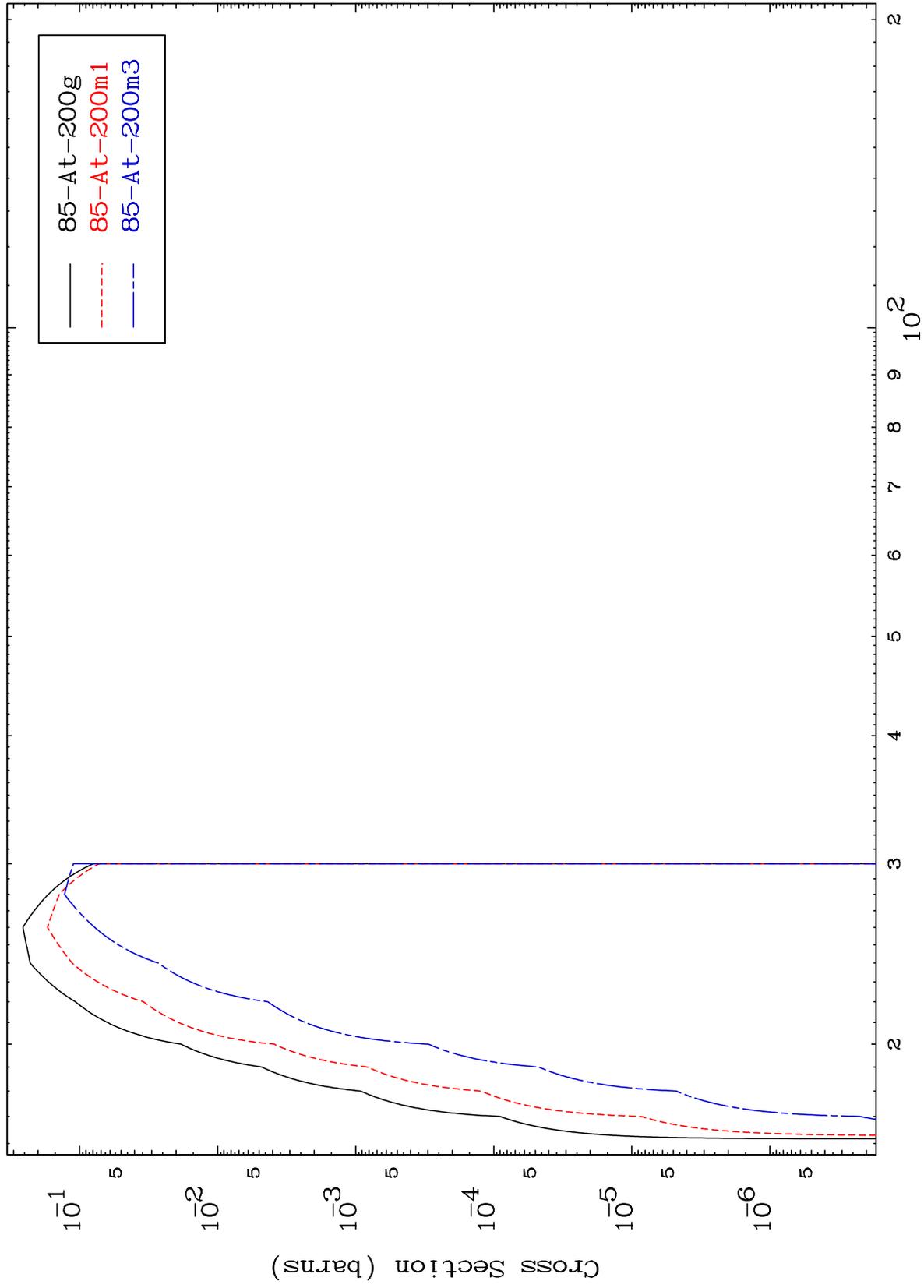


10

Incident Energy (MeV)

83-Bi-197

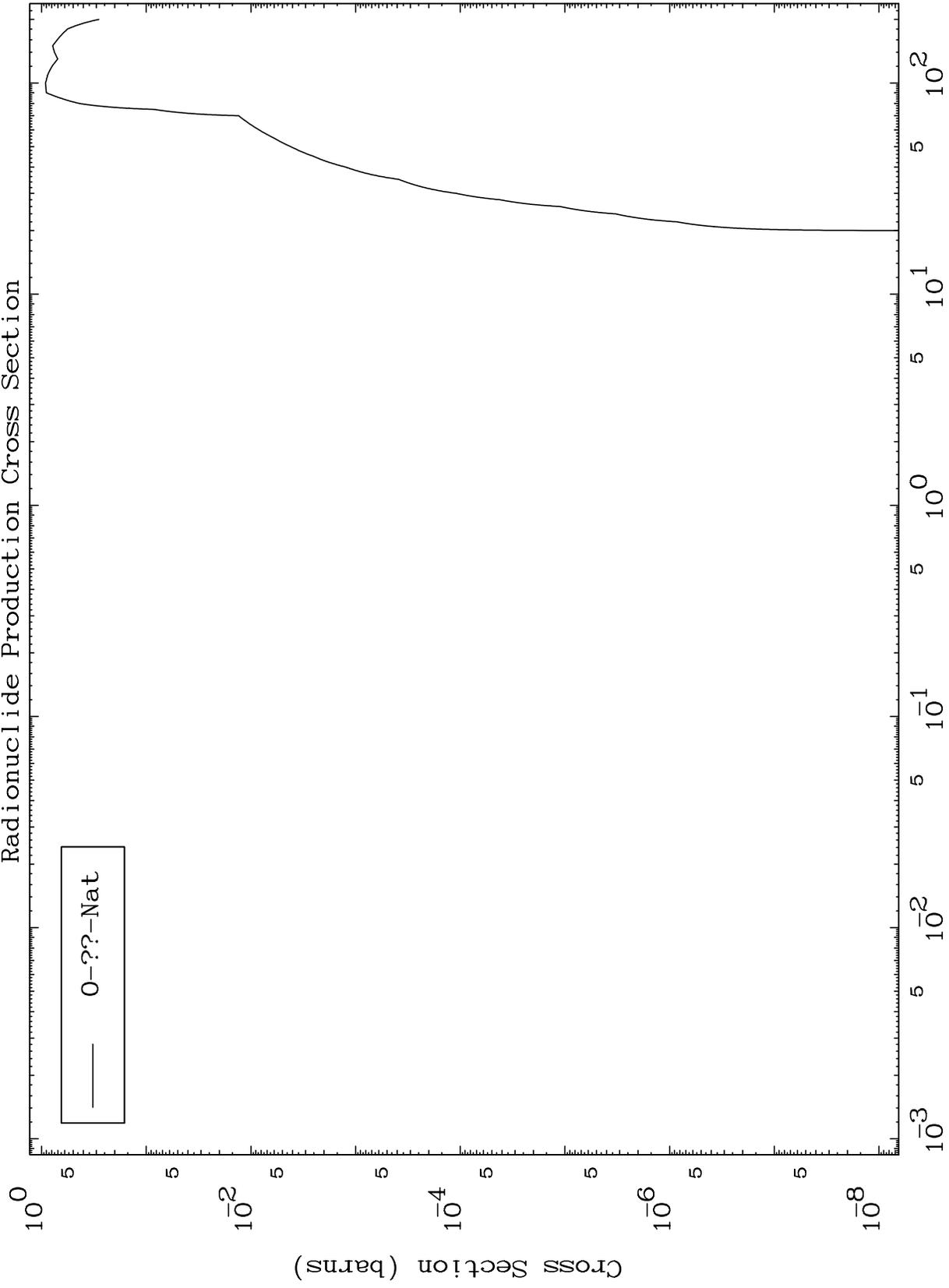
Radionuclide Production Cross Section



MAT 8290

α Fission
Radionuclide Production Cross Section

83-Bi-197



12

Incident Energy (MeV)

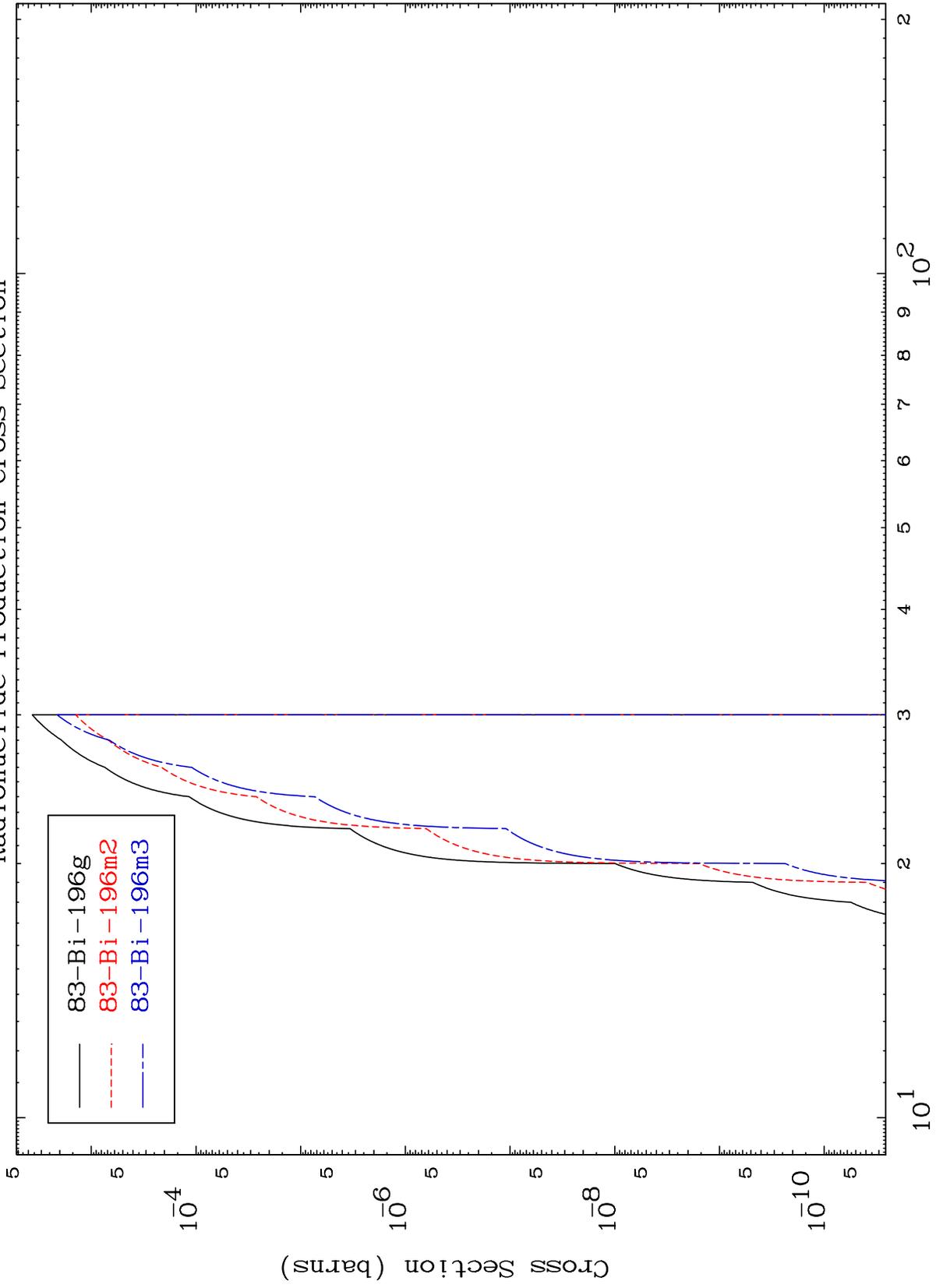
83-Bi-197

MAT 8290

(α, n') α

83-Bi-197

Radionuclide Production Cross Section



13

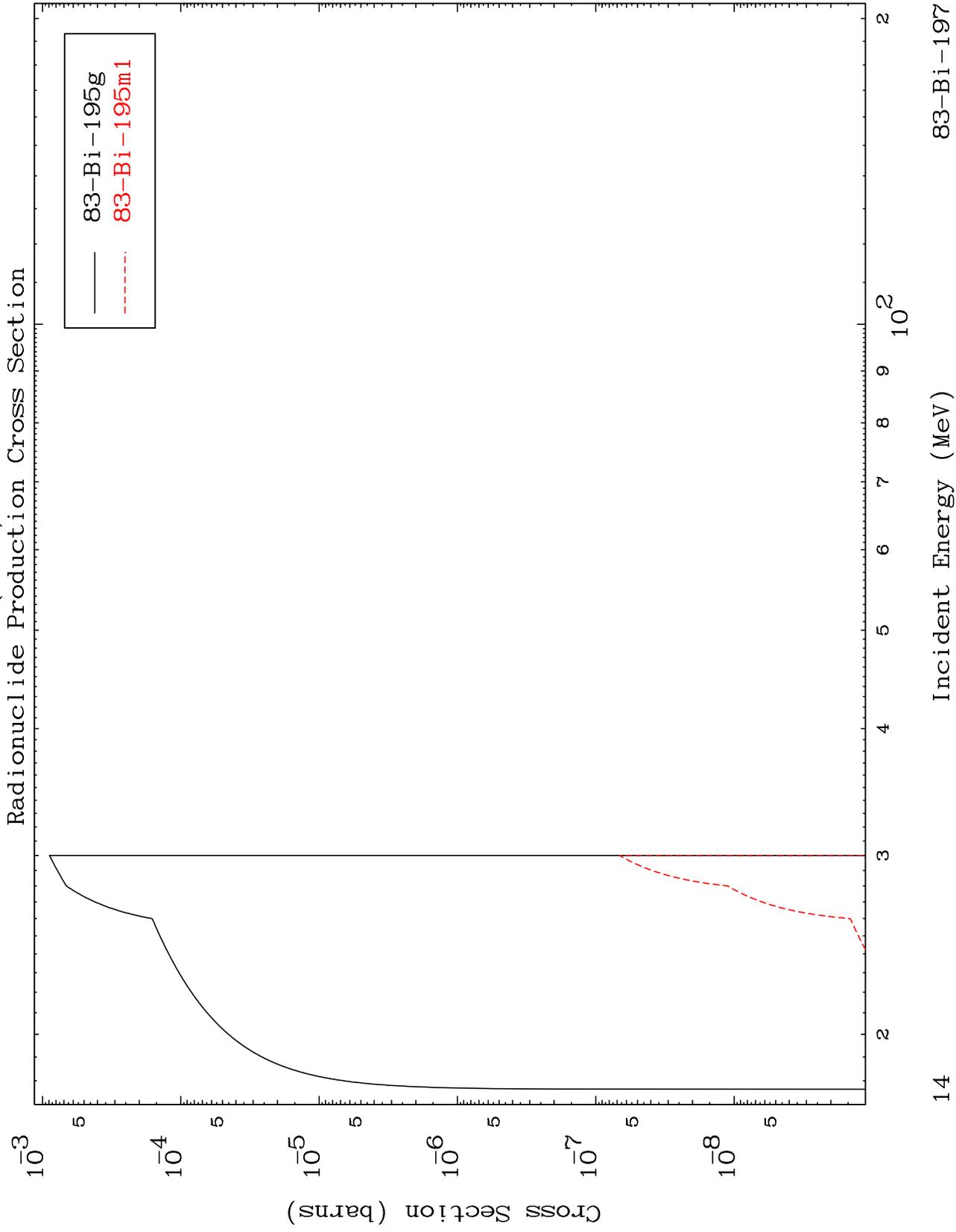
Incident Energy (MeV)

83-Bi-197

MAT 8290

$(\alpha, 2n) \alpha$

83-Bi-197



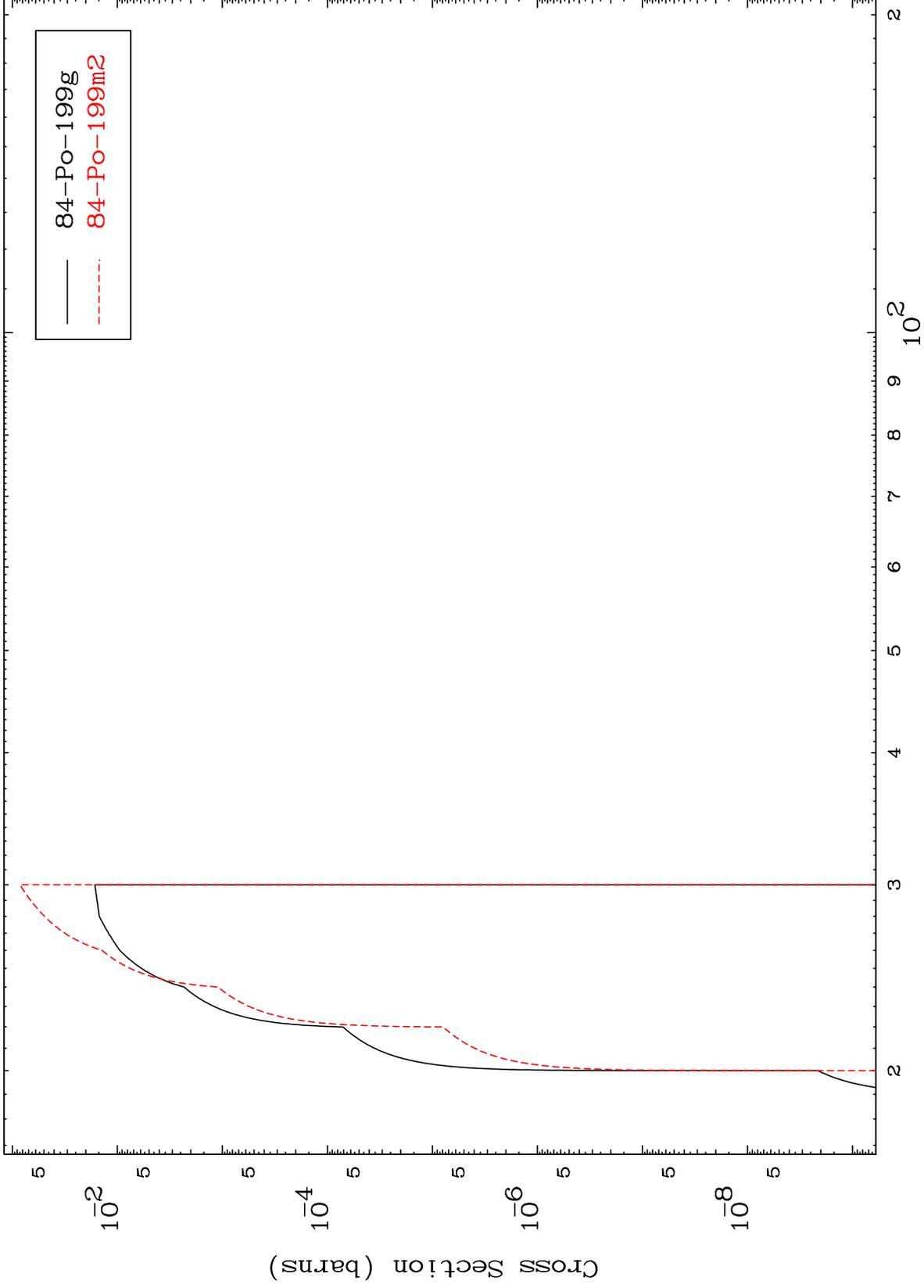
14

MAT 8290

(α, n') p

83-Bi-197

Radionuclide Production Cross Section



15

Incident Energy (MeV)

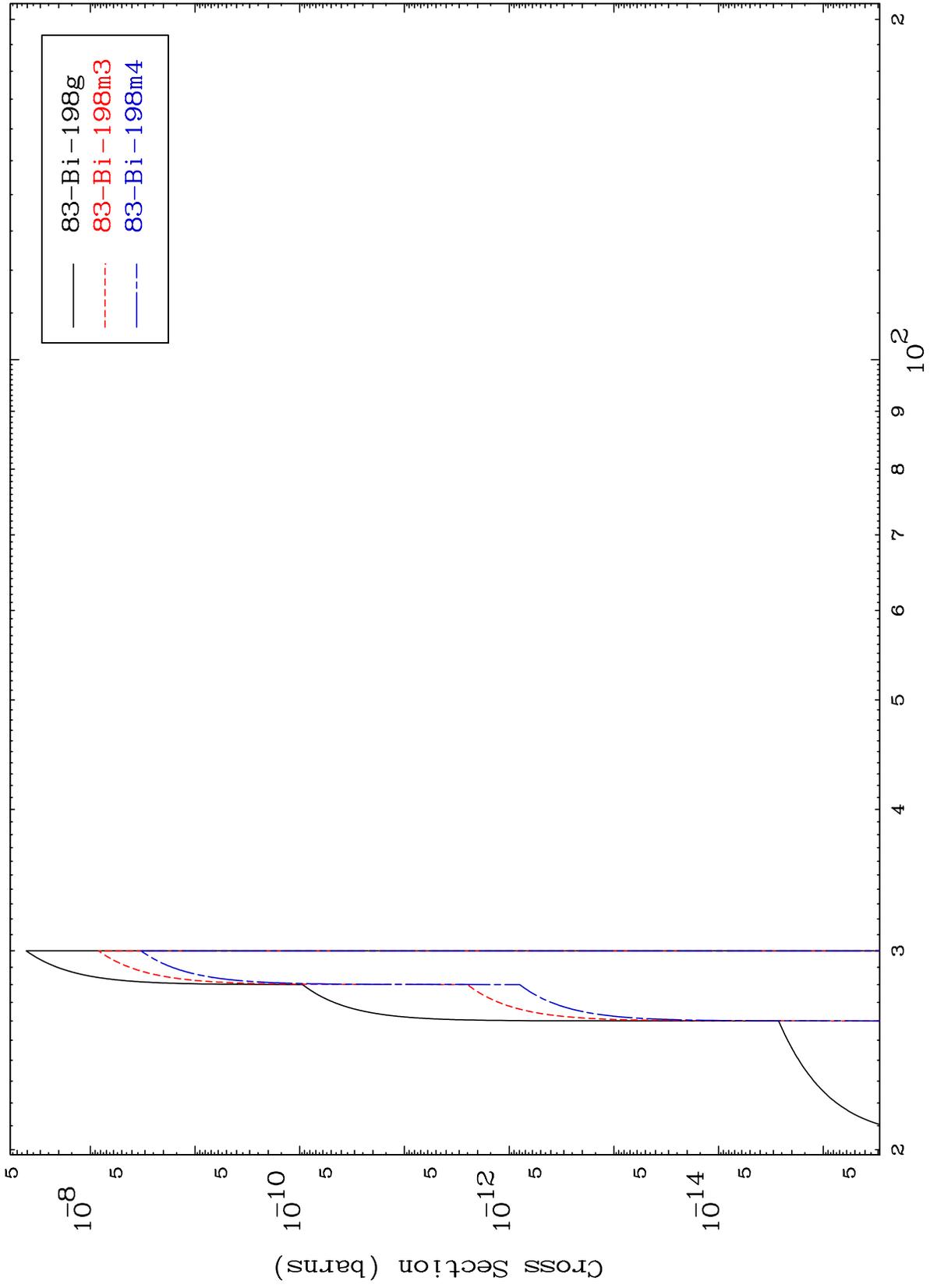
83-Bi-197

MAT 8290

$(\alpha, 2n)$ p

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

Radionuclide Production Cross Section



16

Incident Energy (MeV)

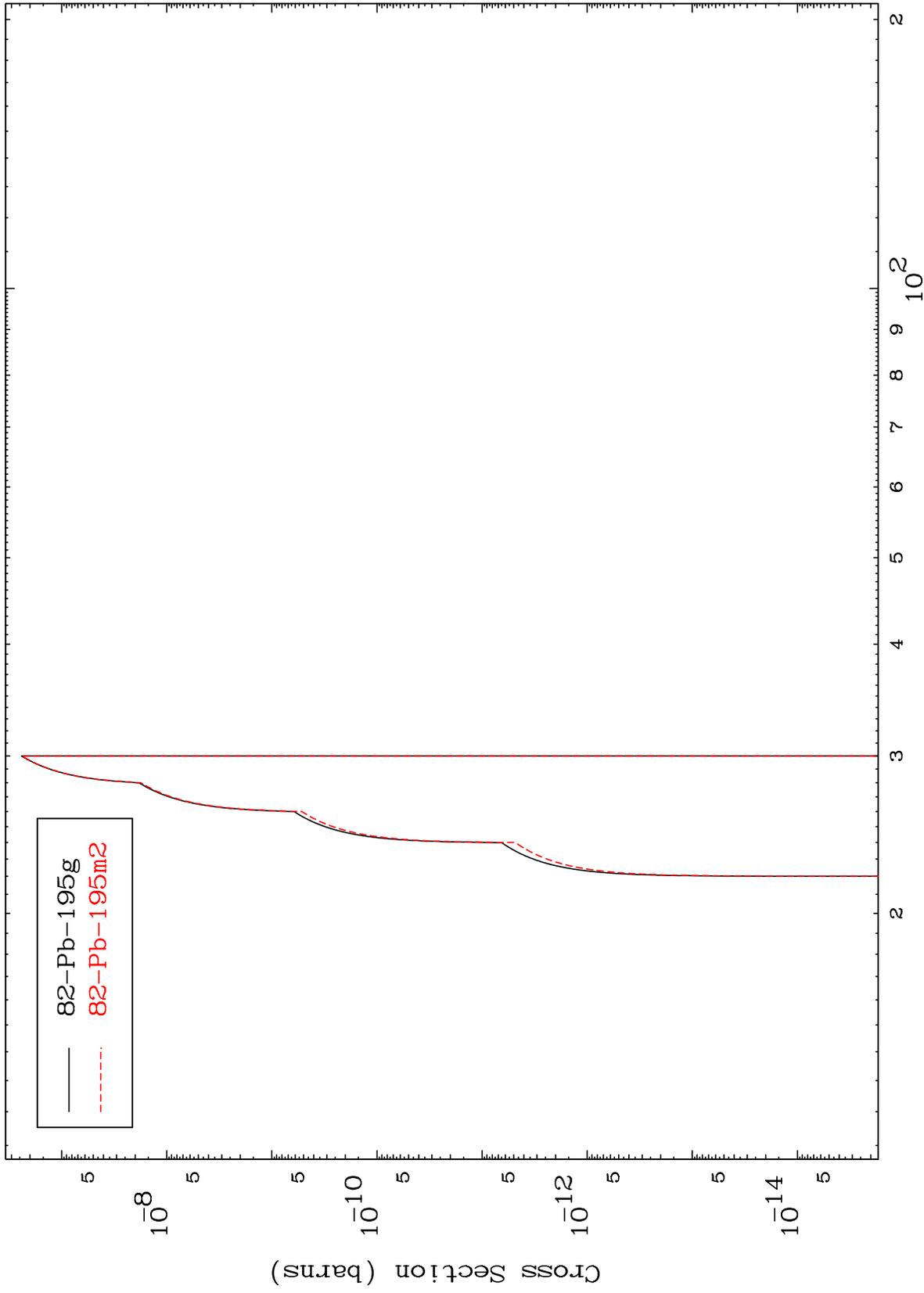
$^{83}\text{Bi}-197$

MAT 8290

(α, n') p α

83-Bi-197

Radionuclide Production Cross Section



17

Incident Energy (MeV)

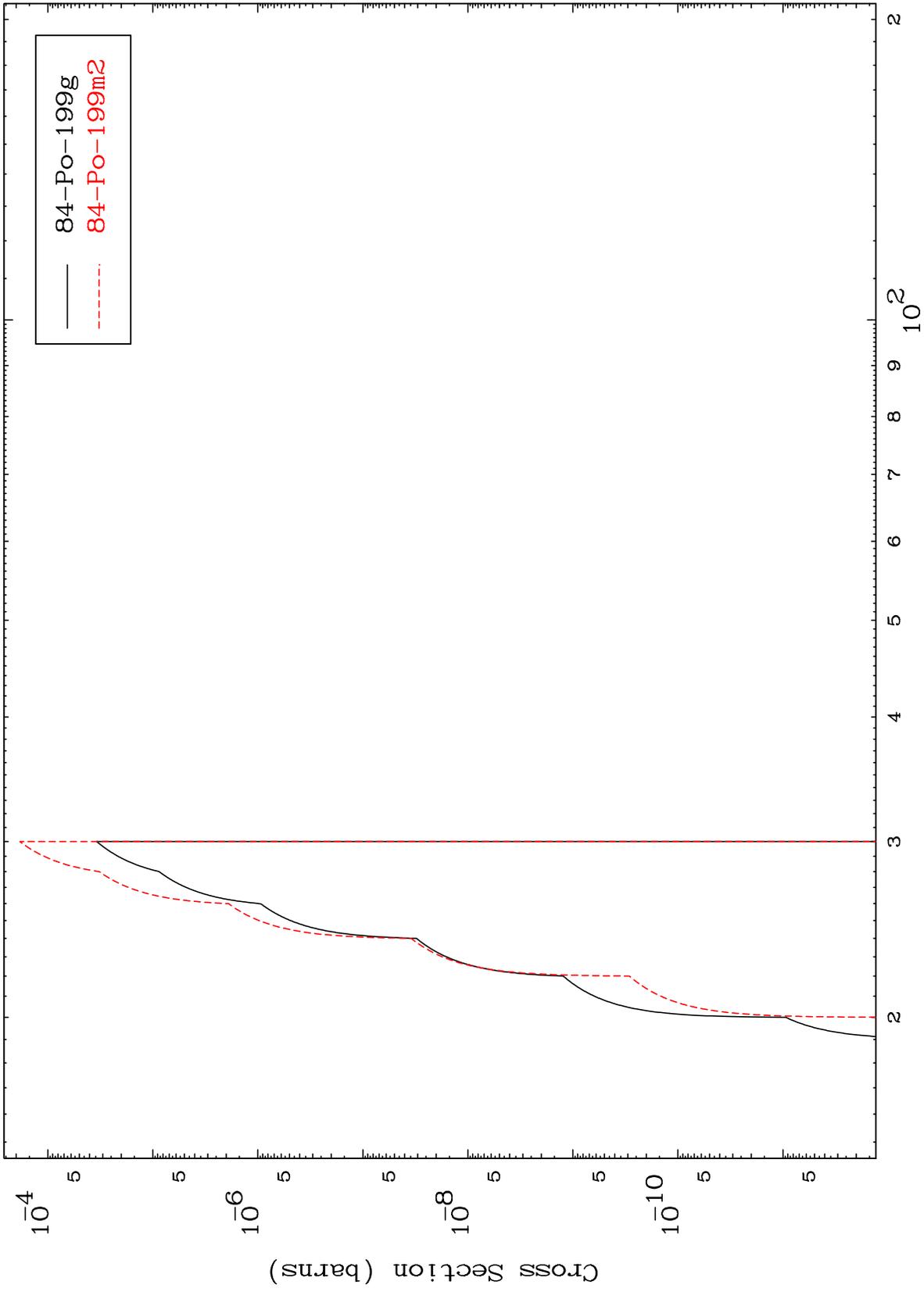
83-Bi-197

MAT 8290

(α, d)

83-Bi-197

Radionuclide Production Cross Section



18

Incident Energy (MeV)

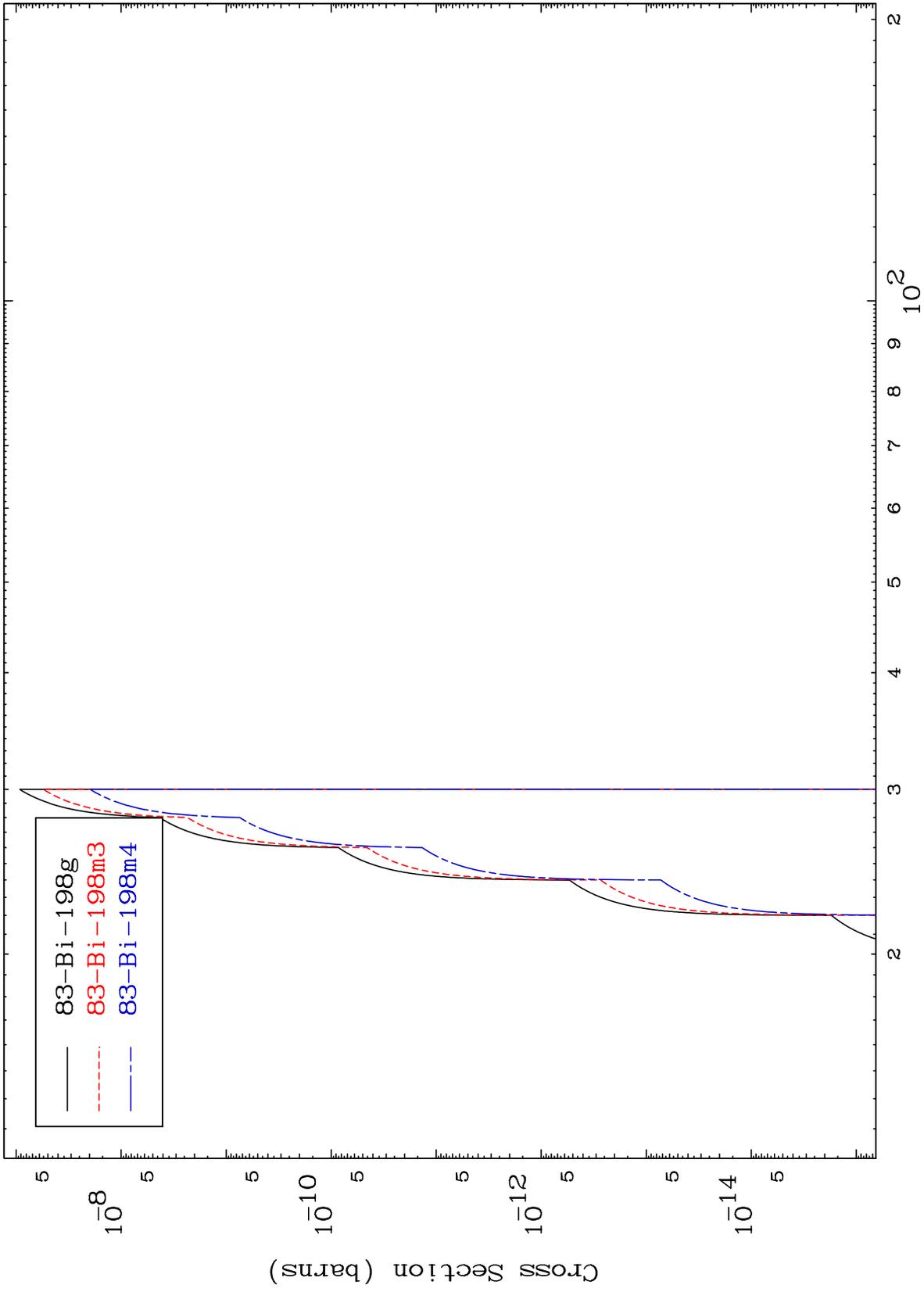
83-Bi-197

MAT 8290

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

83-Bi-197

Radionuclide Production Cross Section



19

Incident Energy (MeV)

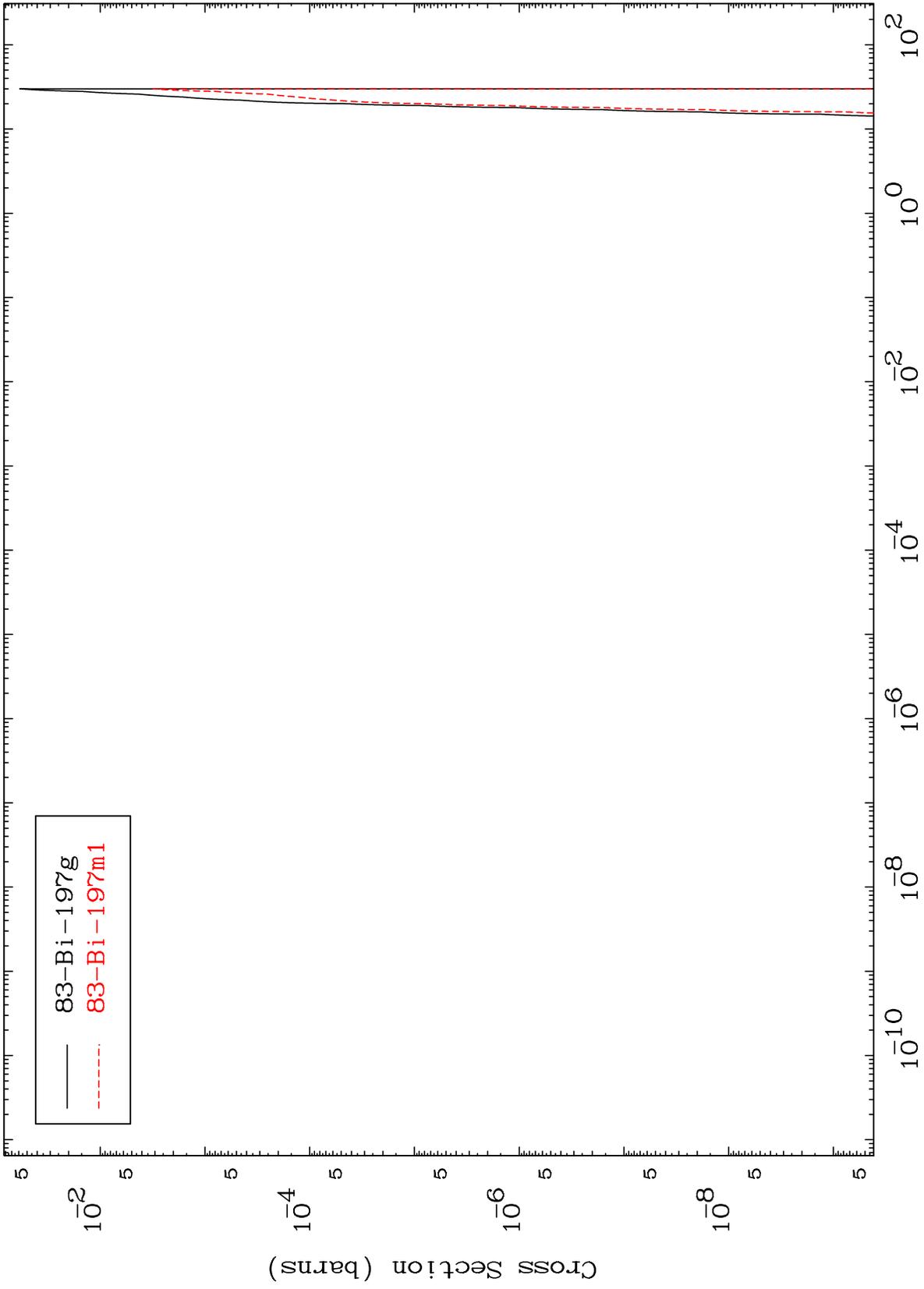
83-Bi-197

MAT 8290

(α, α)

83-Bi-197

Radionuclide Production Cross Section



20

Incident Energy (MeV)

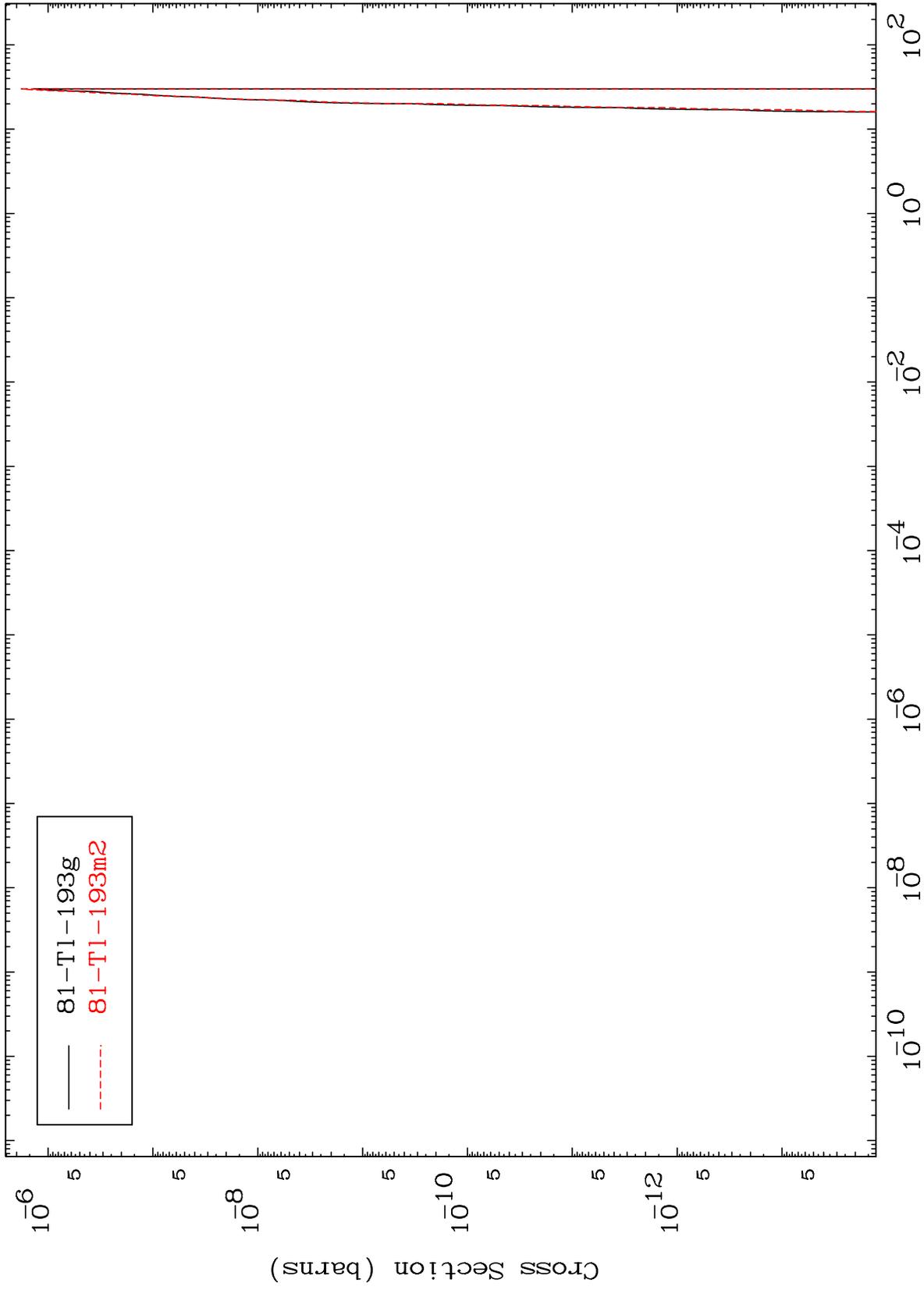
83-Bi-197

MAT 8290

($\alpha, 2\alpha$)

83-Bi-197

Radionuclide Production Cross Section



21

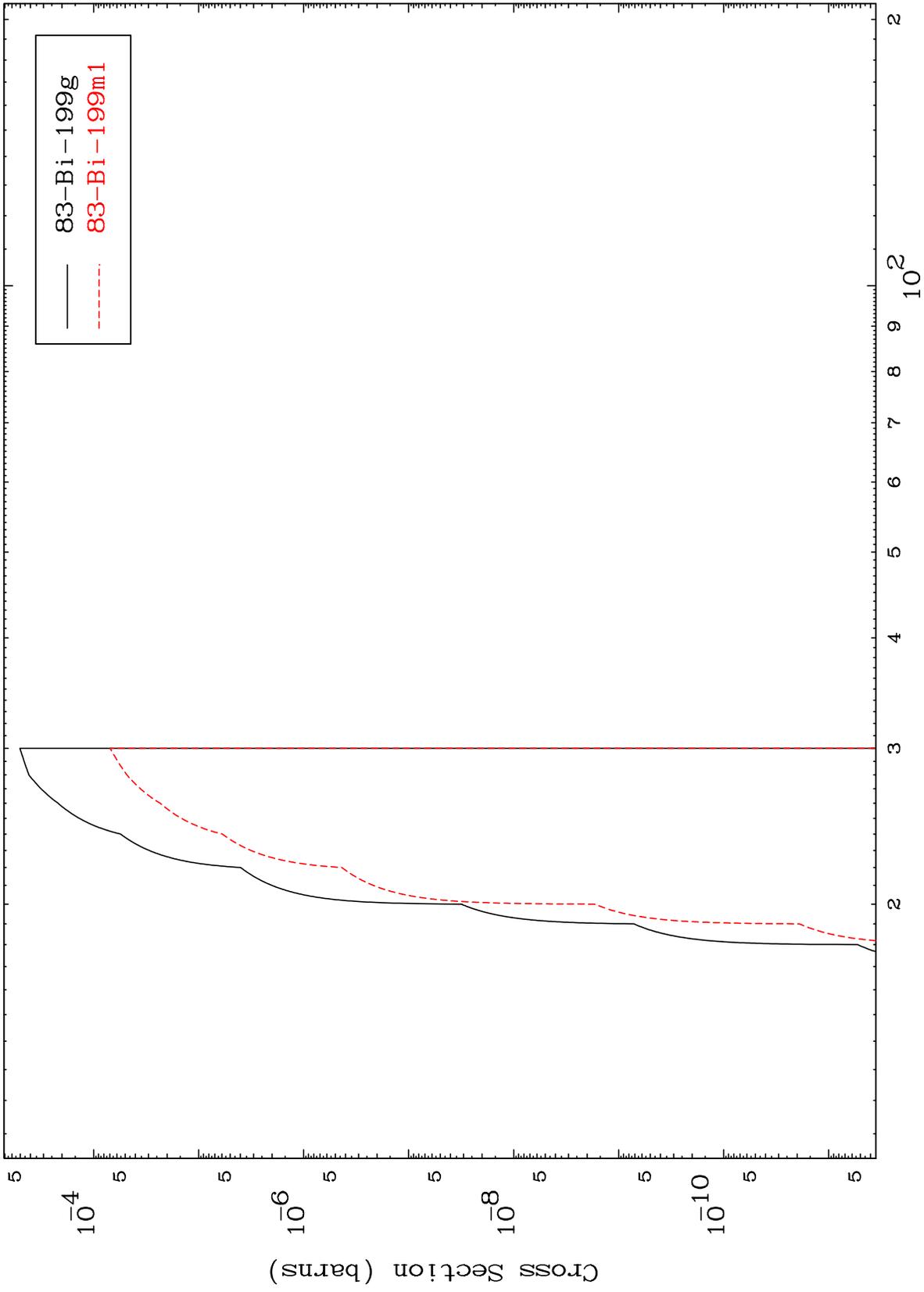
Incident Energy (MeV)

83-Bi-197

MAT 8290

83-Bi-197

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



22

83-Bi-197

Incident Energy (MeV)