

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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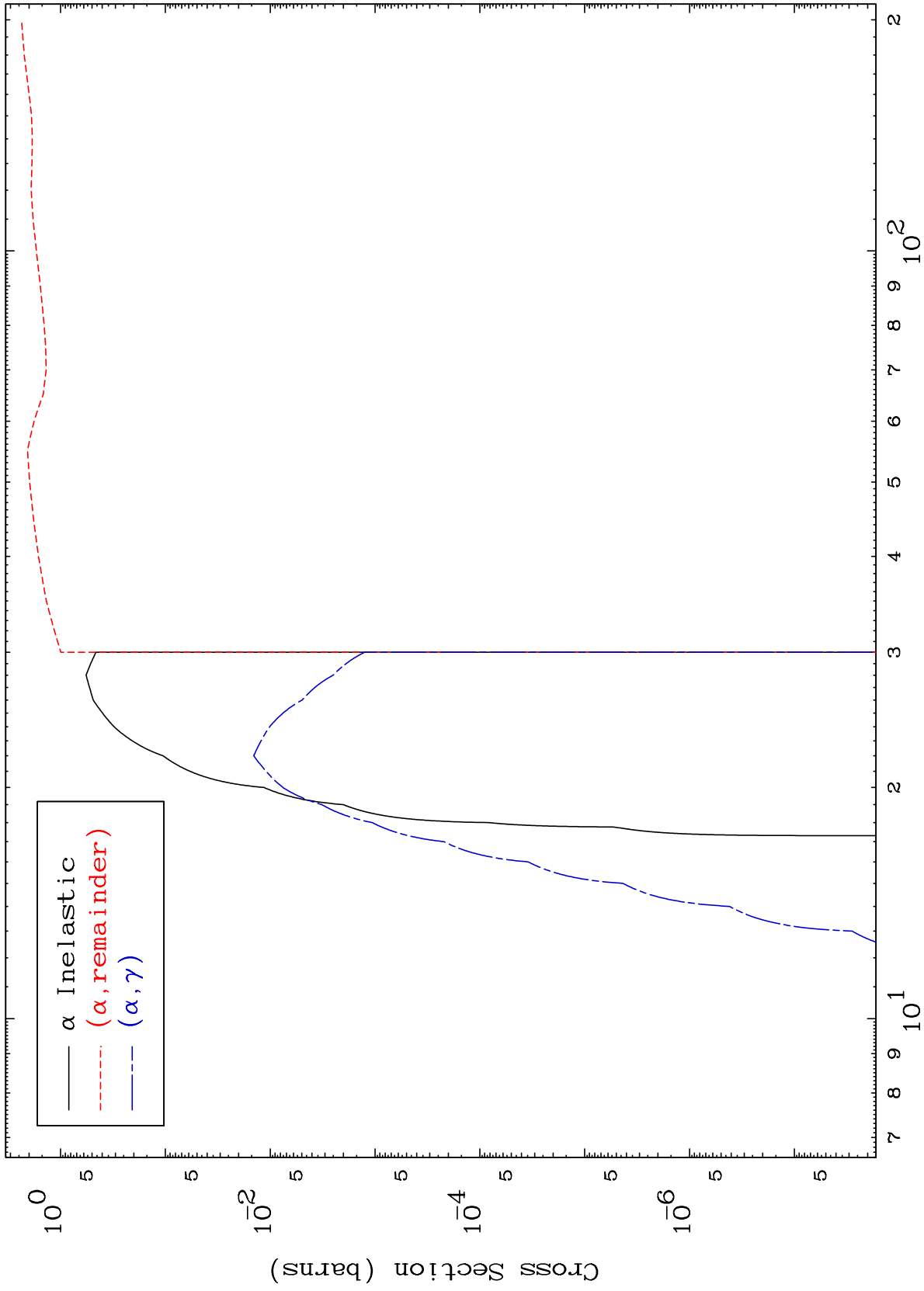
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8283

0 Kelvin α Major
Cross Sections

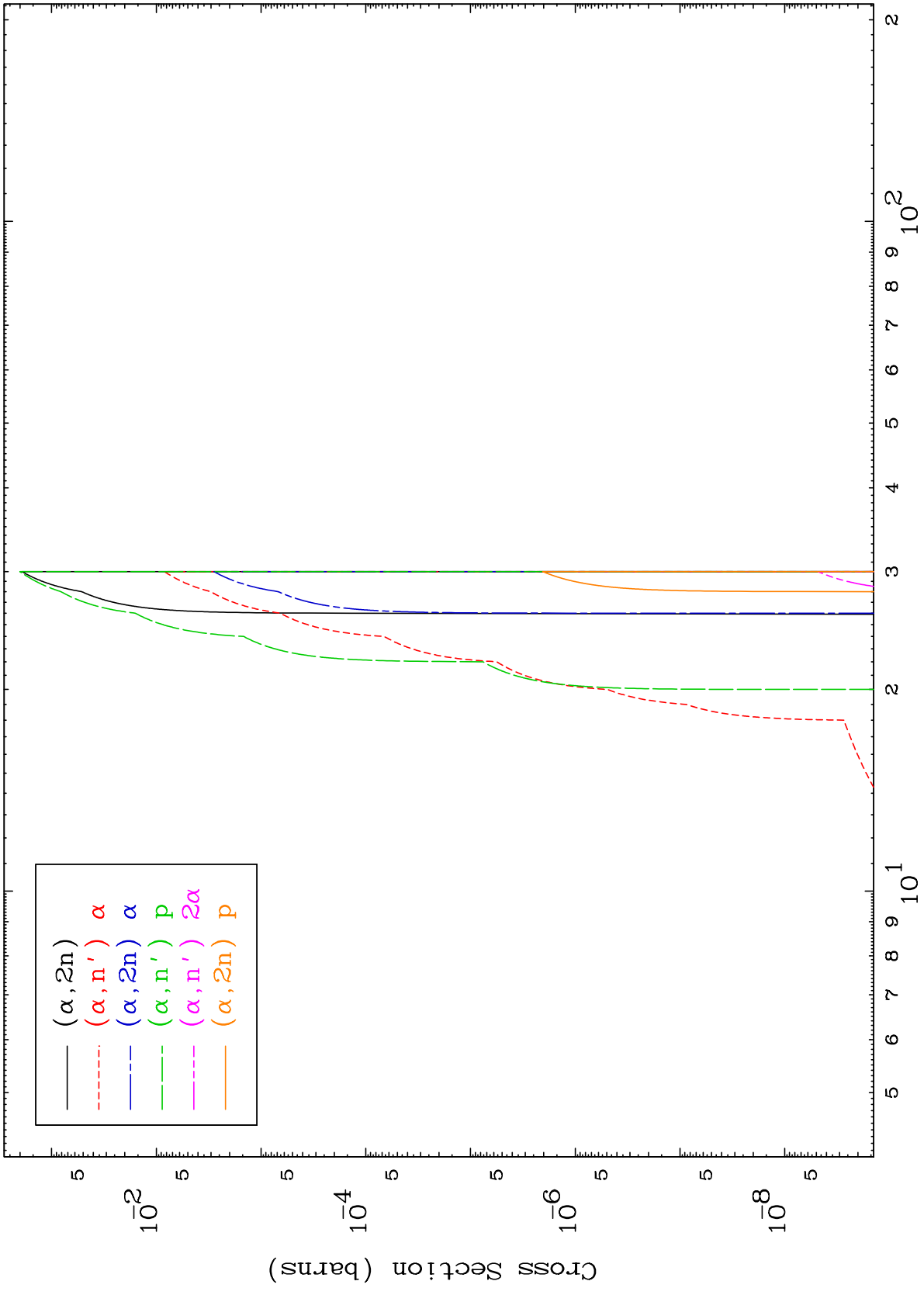
83-Bi-195

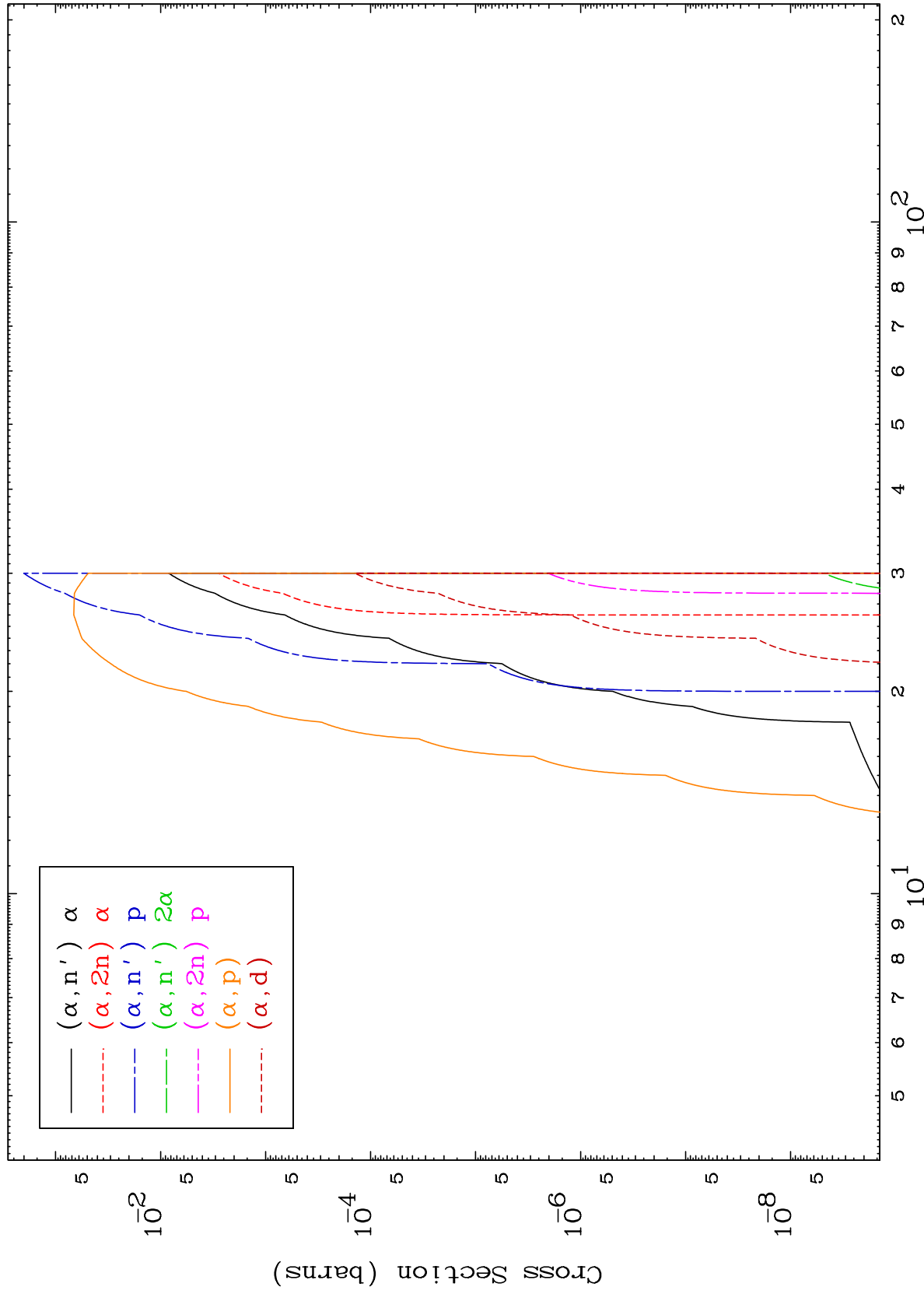


1

Incident Energy (MeV)

83-Bi-195

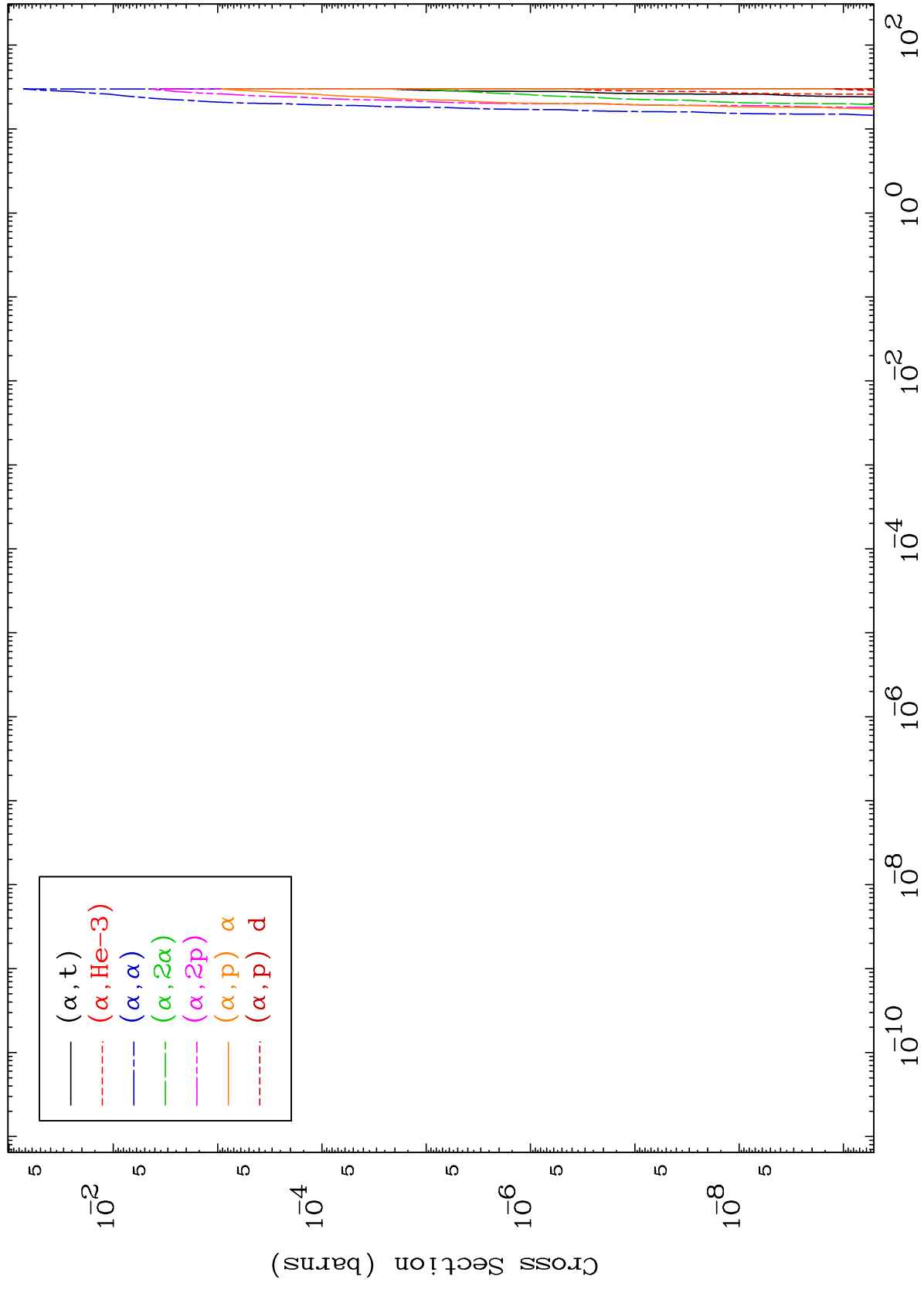




MAT 8283

α Charged Particle
0 Kelvin Cross Sections

83-Bi-195

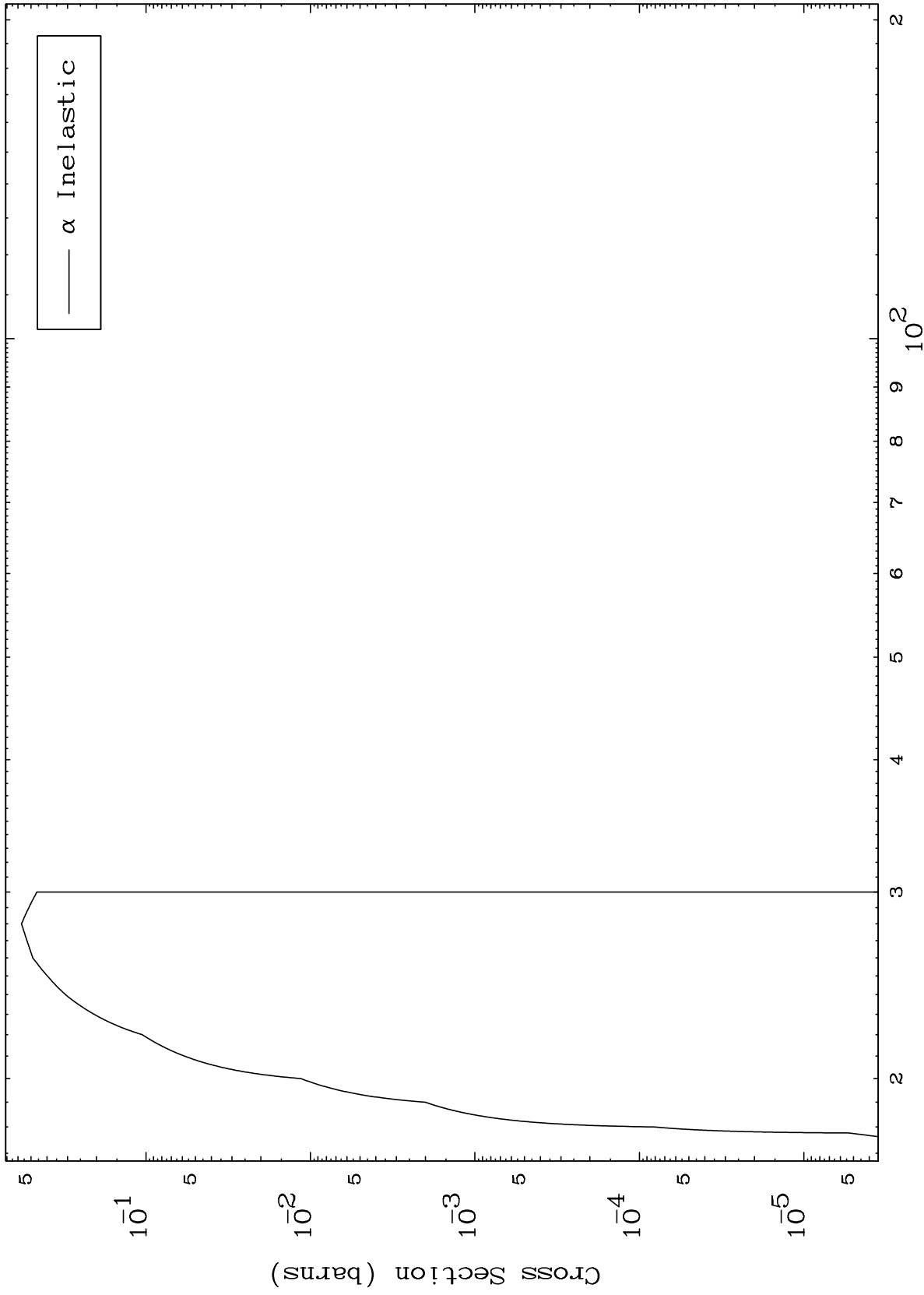


83-Bi-195

MAT 8283

(α, n') Level
0 Kelvin Cross Sections

83-Bi-195



5

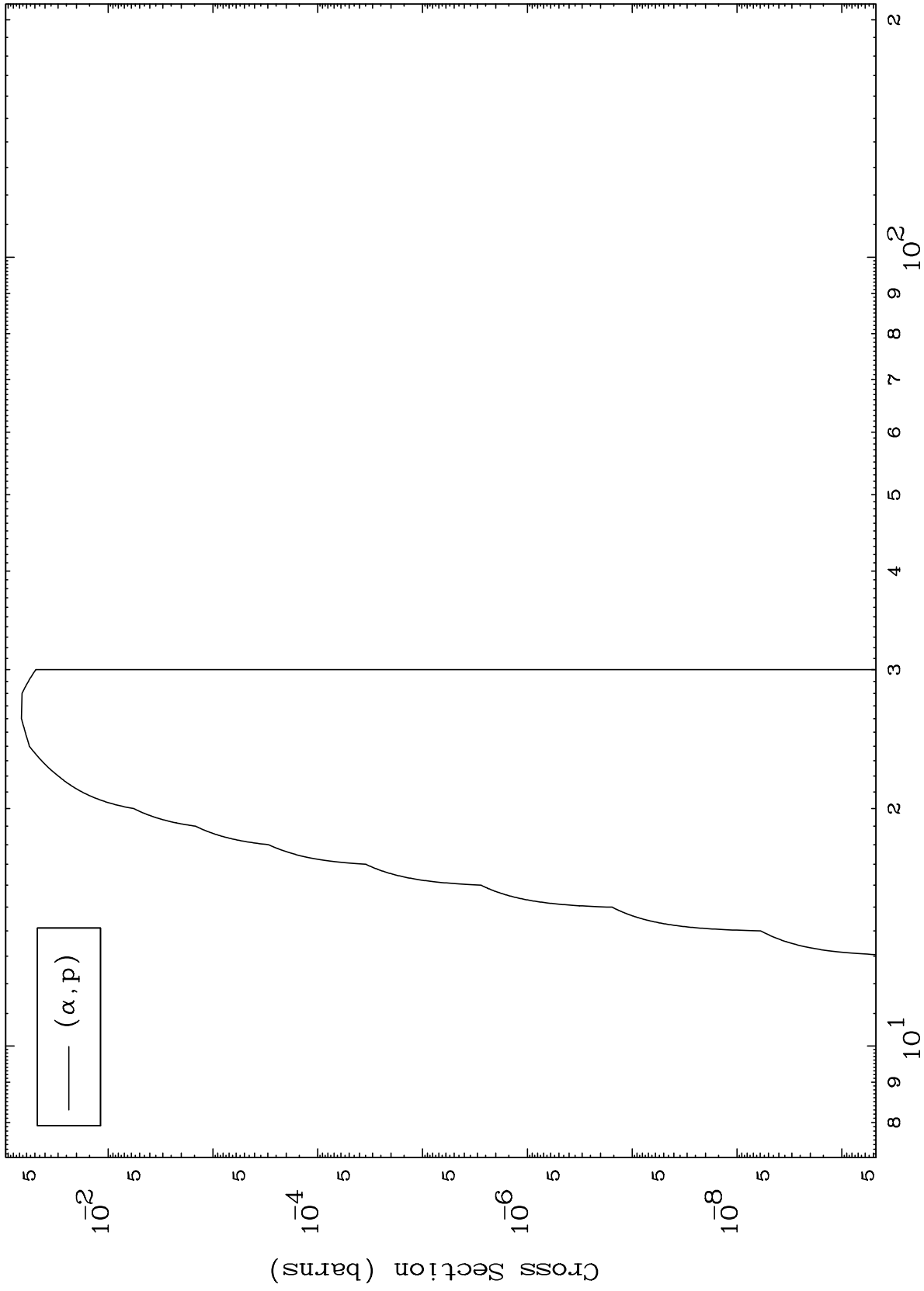
Incident Energy (MeV)

83-Bi-195

MAT 8283

(α, p) Levels
0 Kelvin Cross Sections

83-Bi-195



6

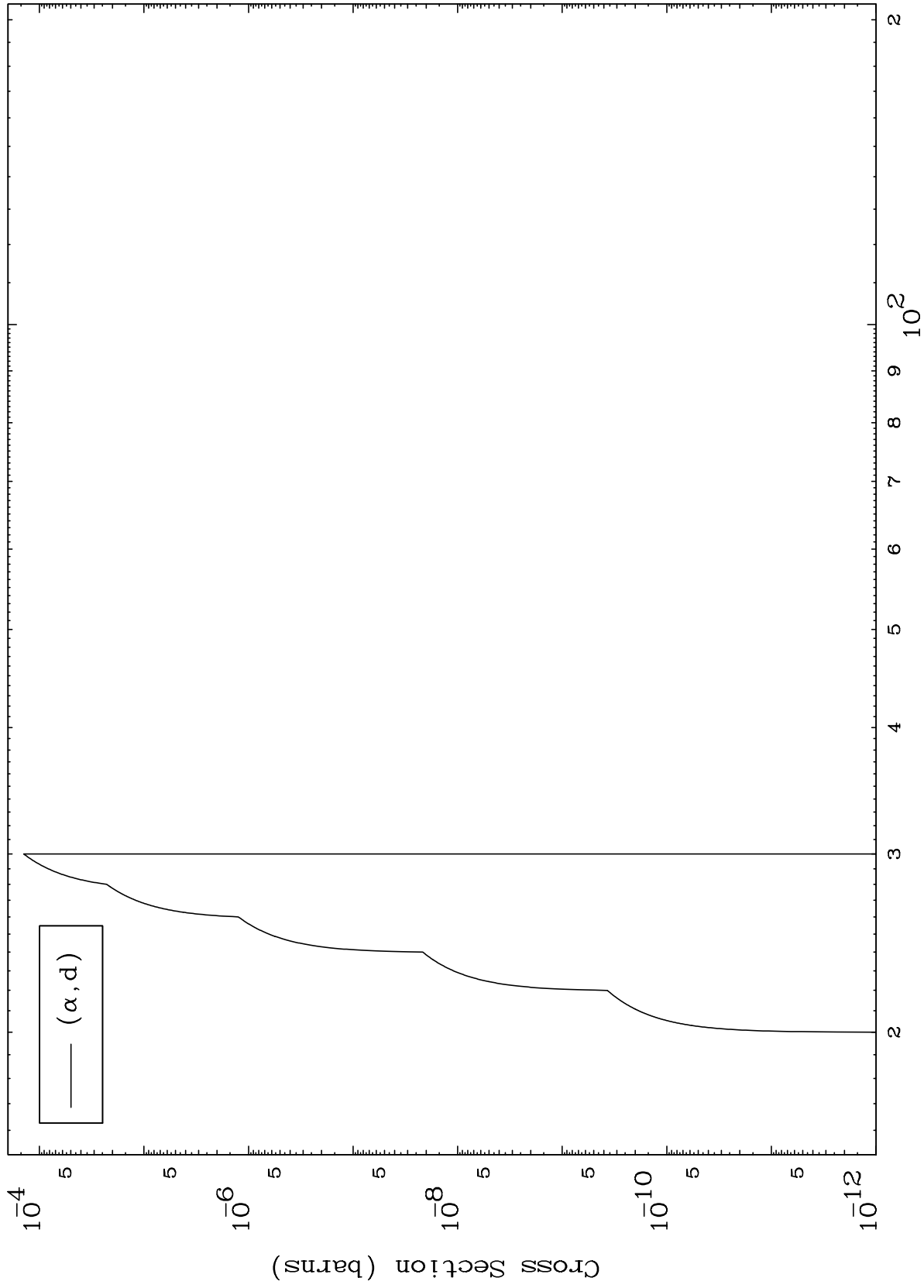
Incident Energy (MeV)

83-Bi-195

MAT 8283

(α, d) Levels
0 Kelvin Cross Sections

83-Bi-195



7

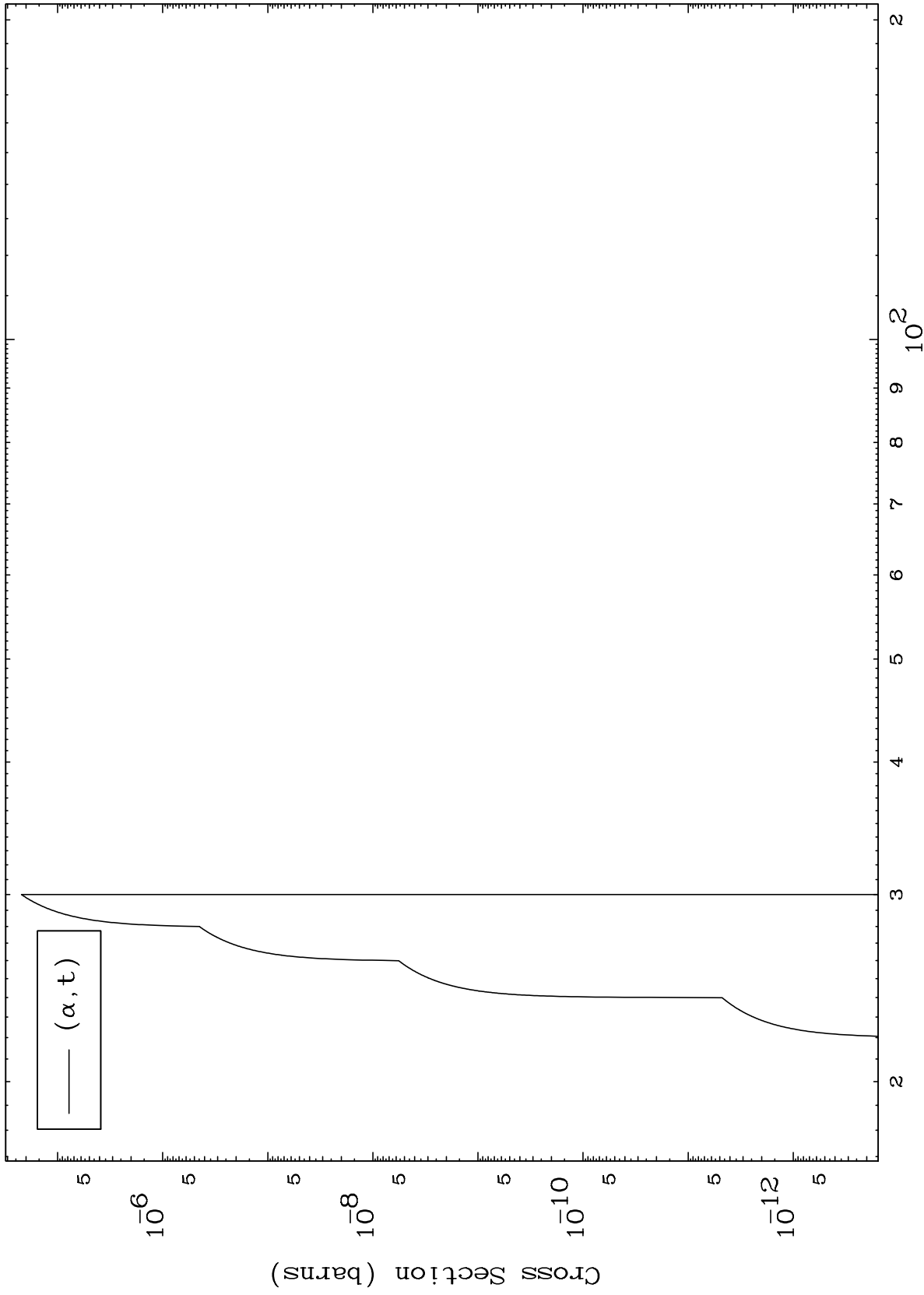
Incident Energy (MeV)

83-Bi-195

MAT 8283

(α, t) Levels
0 Kelvin Cross Sections

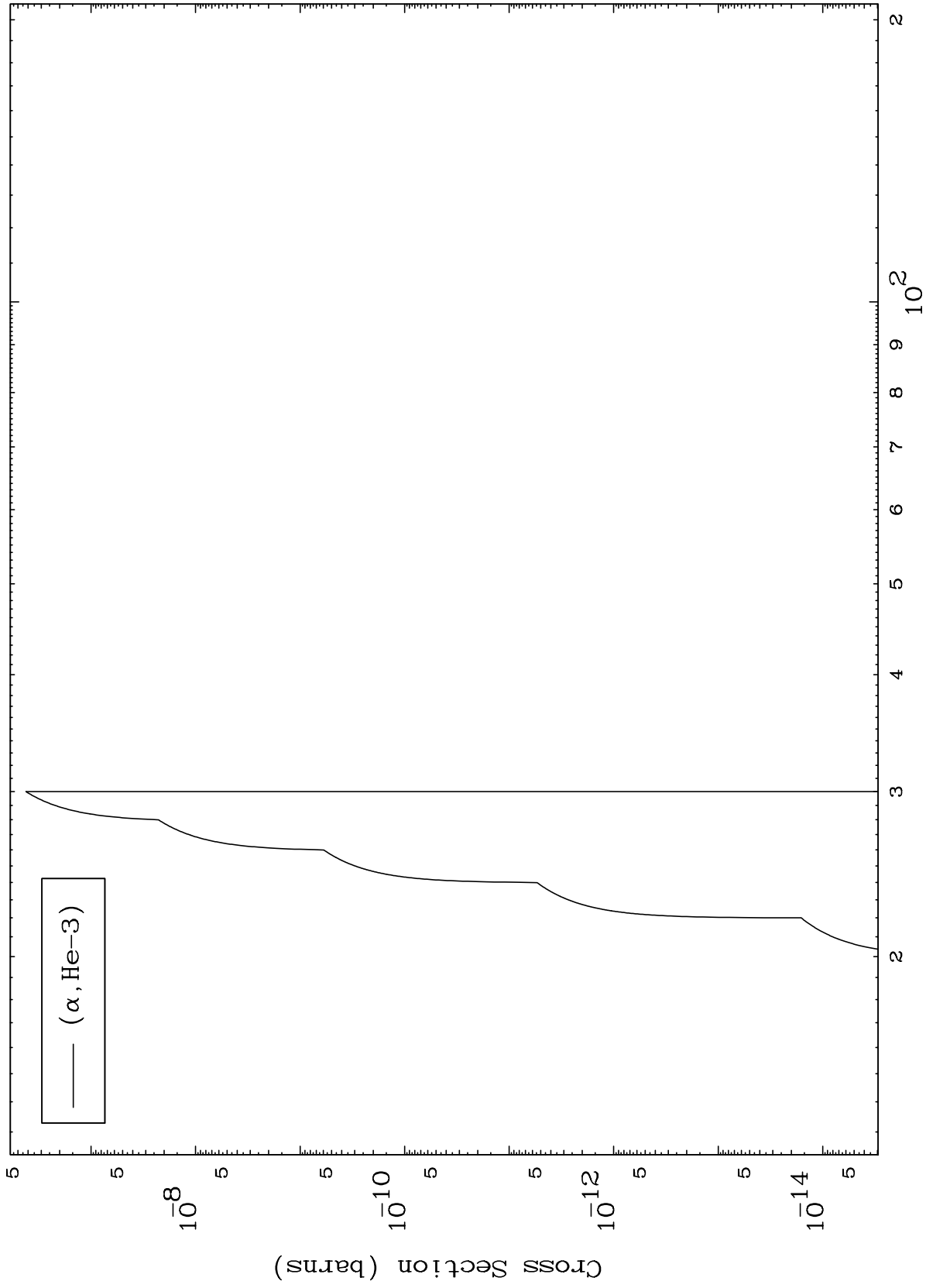
83-Bi-195



8

Incident Energy (MeV)

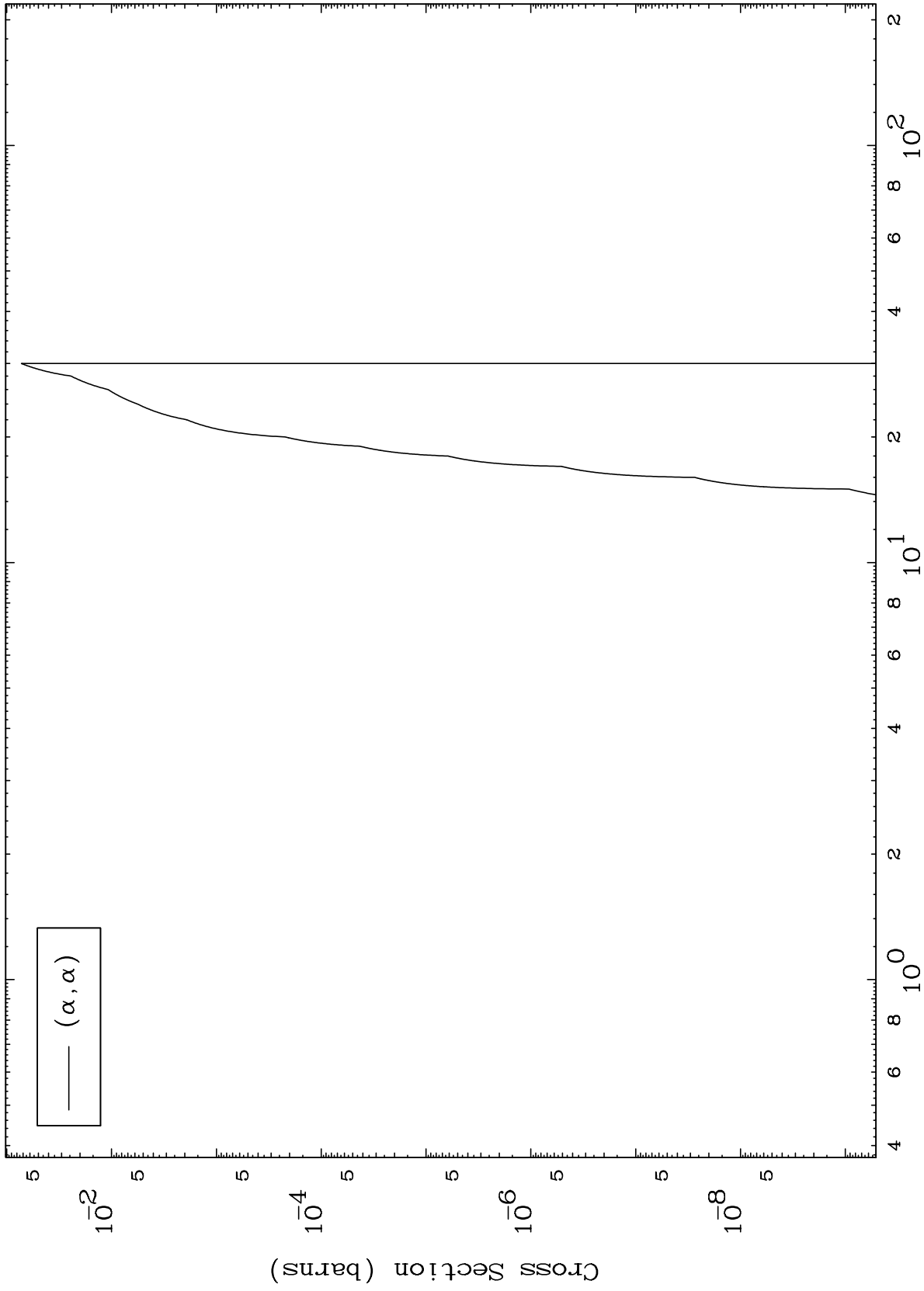
83-Bi-195



MAT 8283

(α, α) Levels
0 Kelvin Cross Sections

83-Bi-195



10

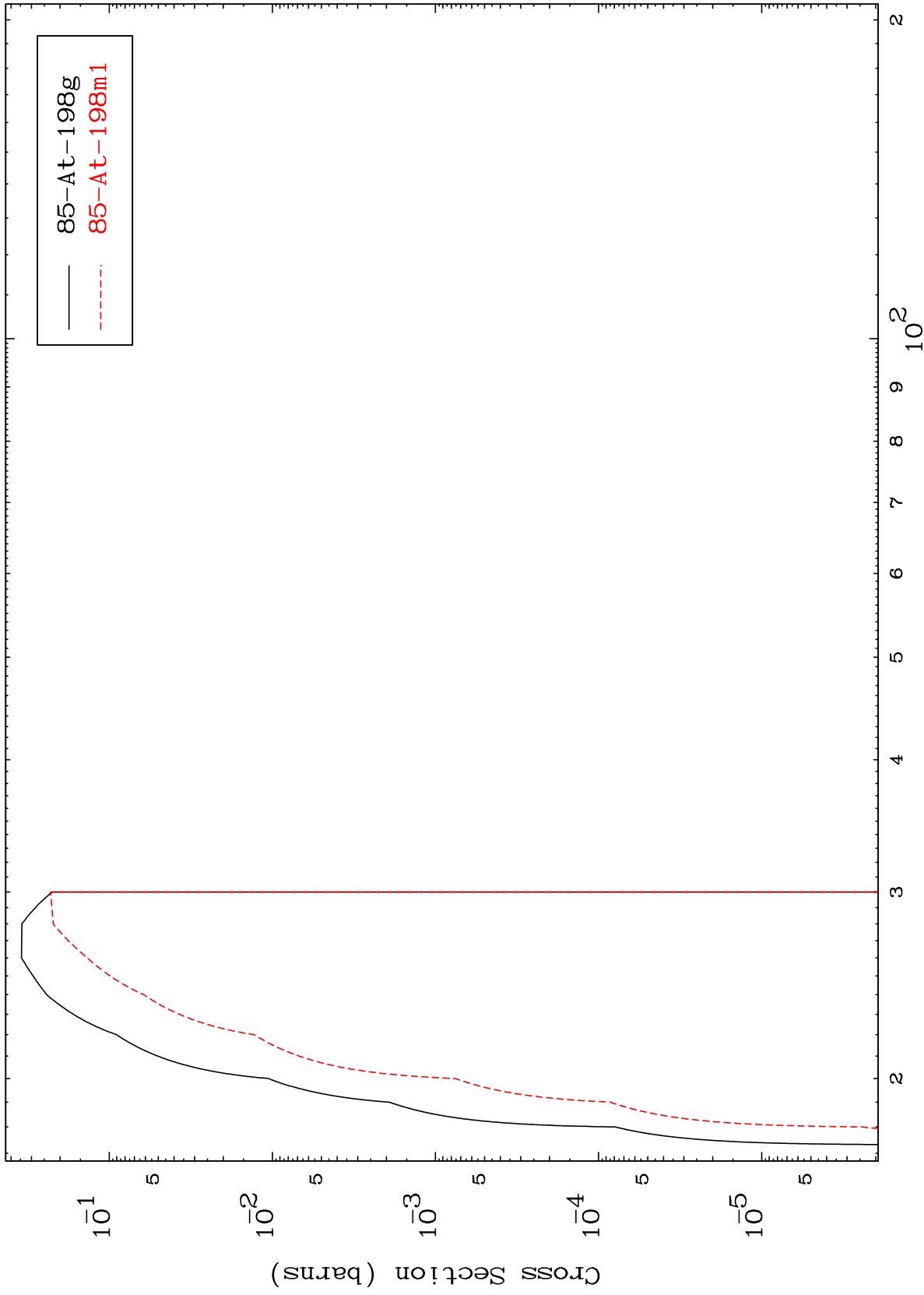
Incident Energy (MeV)

83-Bi-195

MAT 8283

83-Bi-195

α Inelastic
Radionuclide Production Cross Section



11

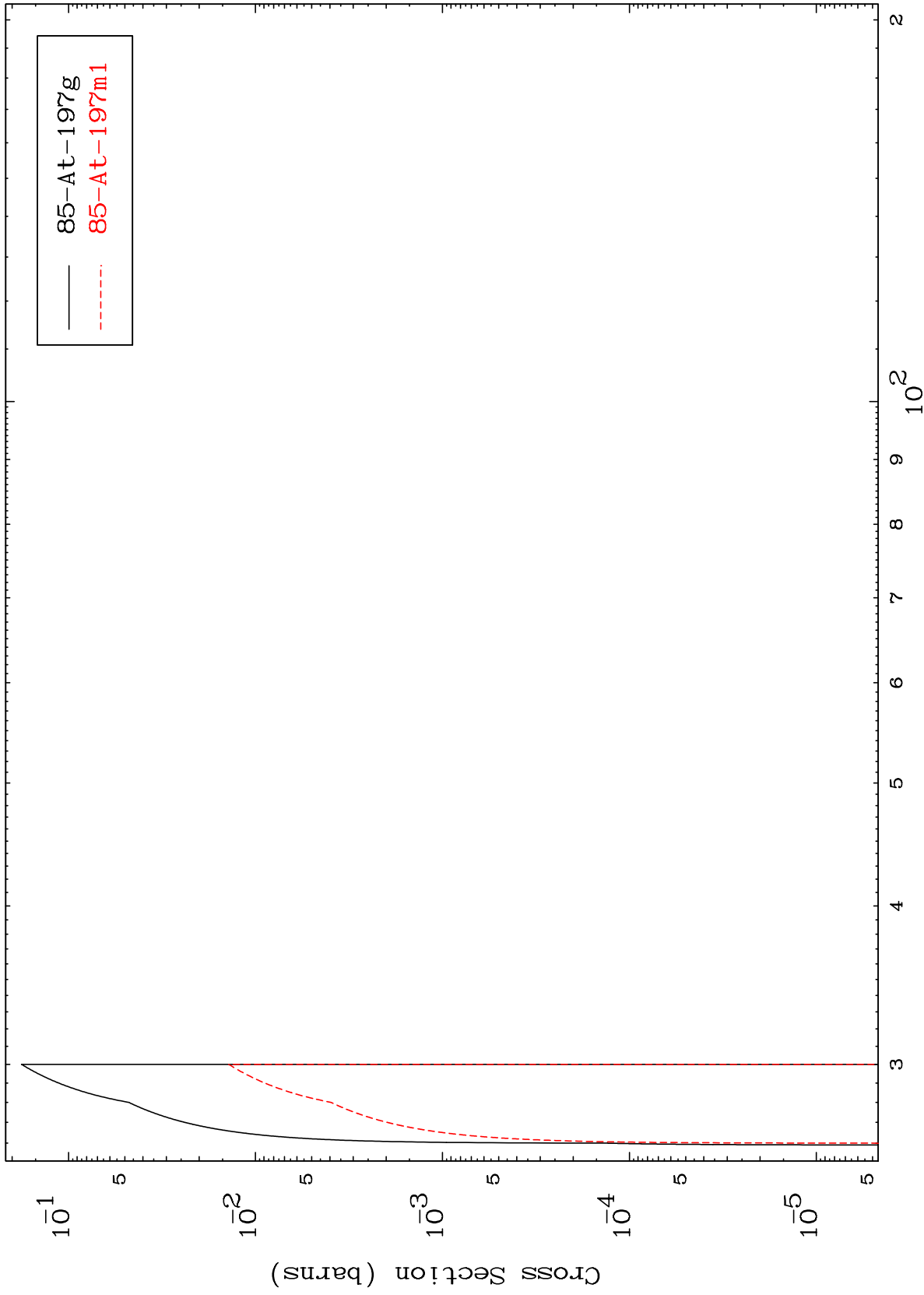
83-Bi-195

MAT 8283

($\alpha, 2n$)

83-Bi-195

Radionuclide Production Cross Section



12

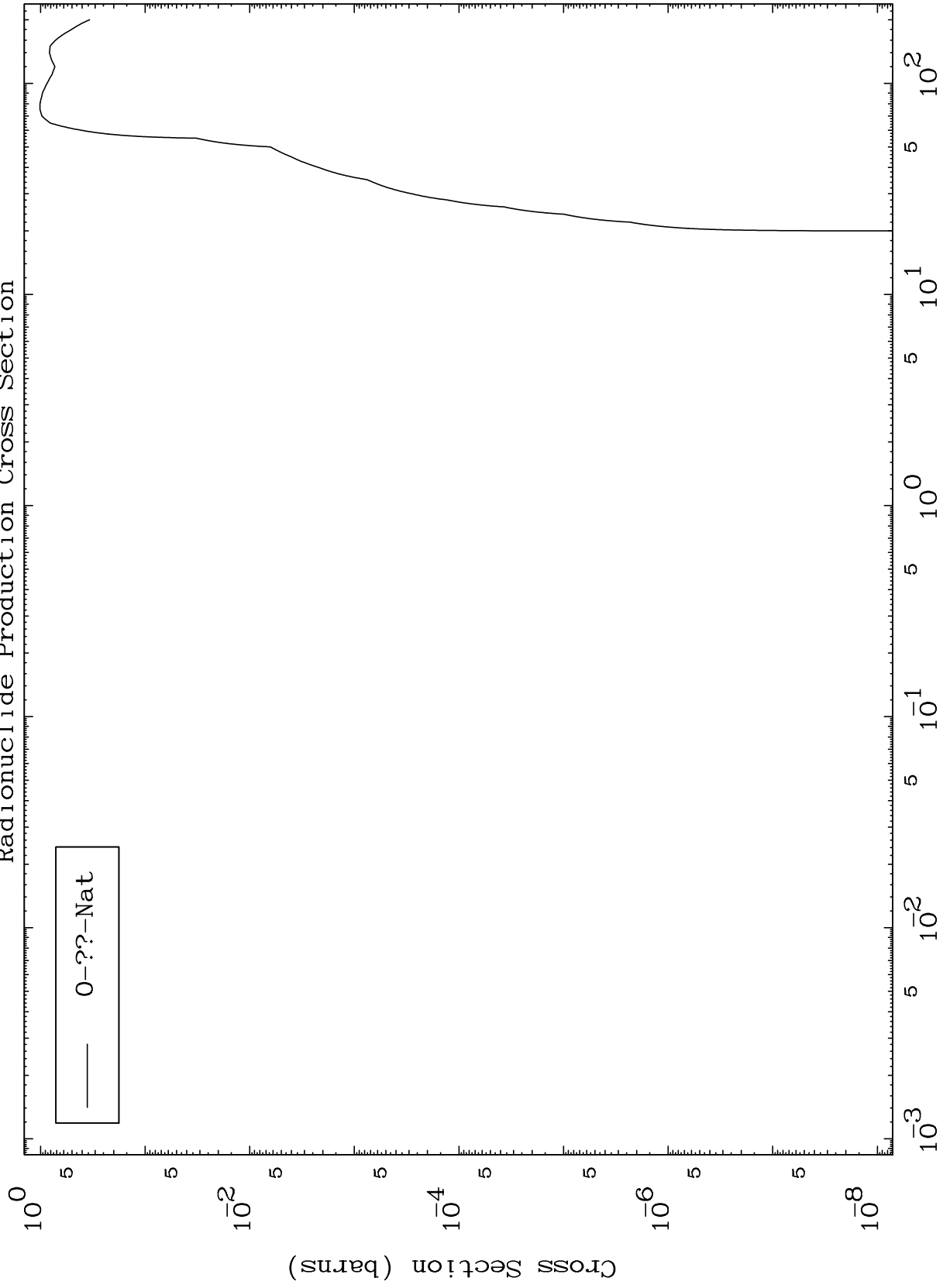
Incident Energy (MeV)

83-Bi-195

MAT 8283

α Fission
Radionuclide Production Cross Section

83-Bi-195



13

Incident Energy (MeV)

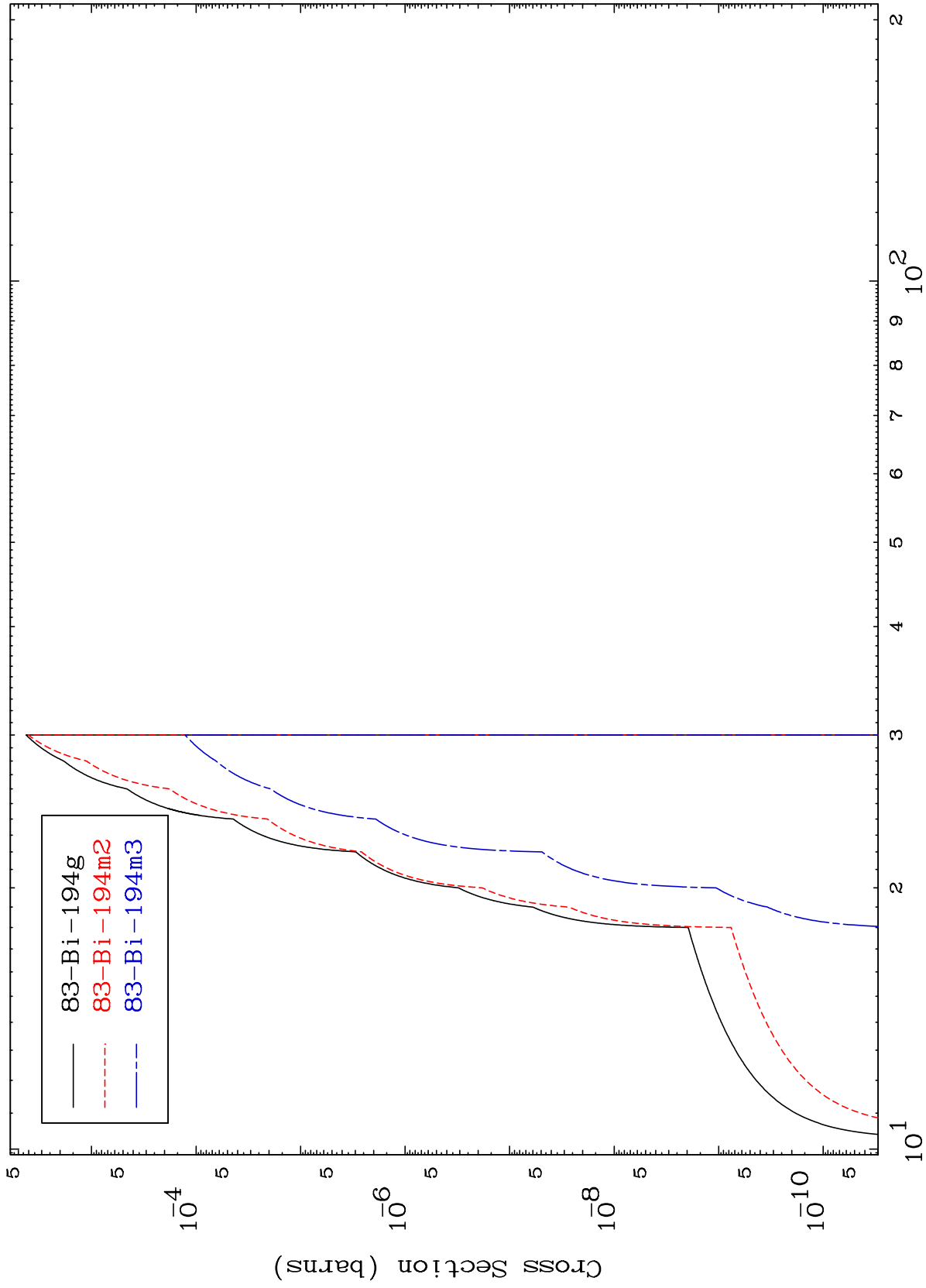
83-Bi-195

MAT 8283

(α, n') α

83-Bi-195

Radionuclide Production Cross Section



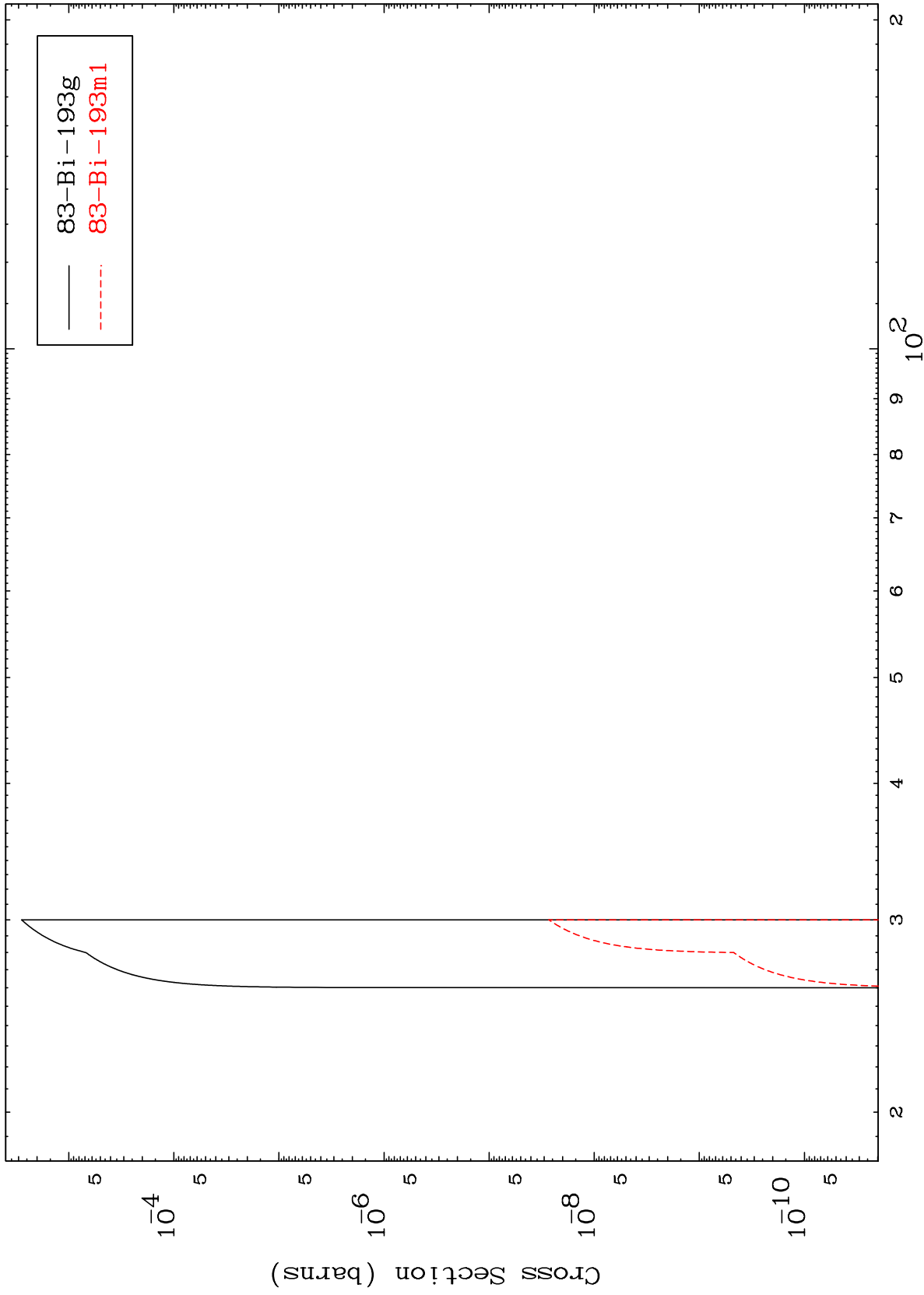
83-Bi-194g
83-Bi-194m2
83-Bi-194m3

MAT 8283

$(\alpha, 2n) \alpha$

$^{83}\text{Bi}-195$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

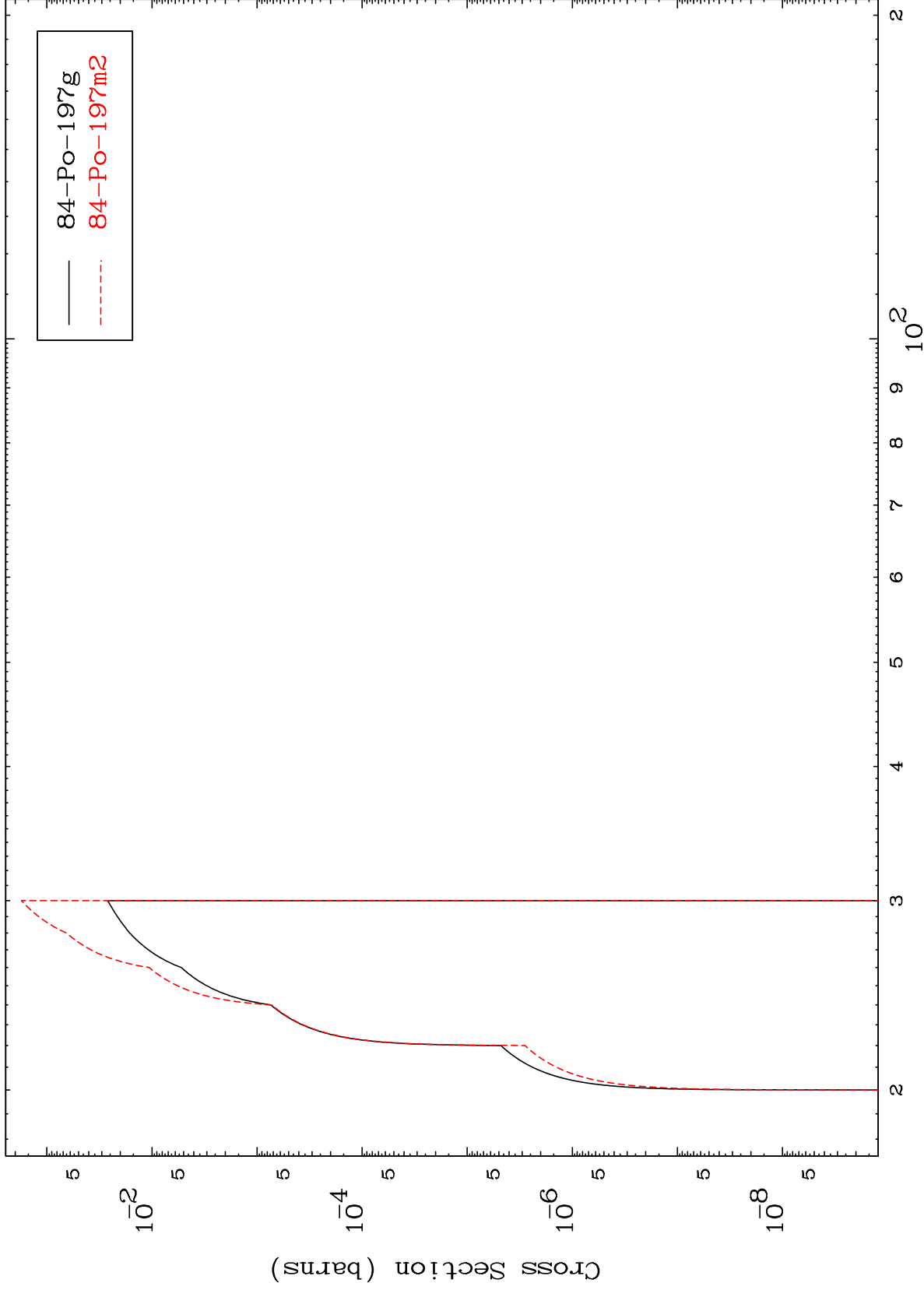
$^{83}\text{Bi}-195$

MAT 8283

(α, n') p

83-Bi-195

Radionuclide Production Cross Section



16

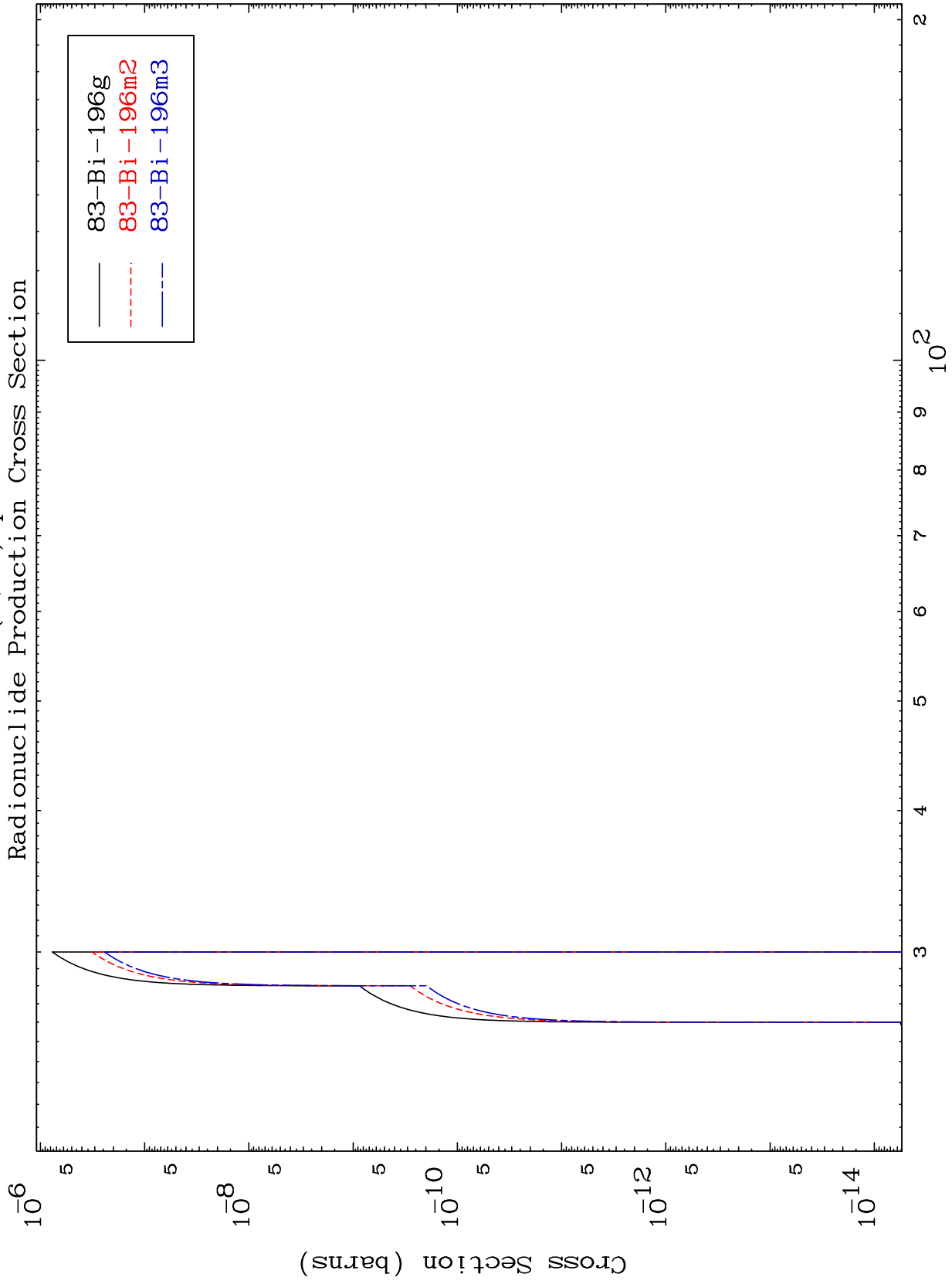
Incident Energy (MeV)

83-Bi-195

MAT 8283

$(\alpha, 2n)$ p

83-Bi-195



17

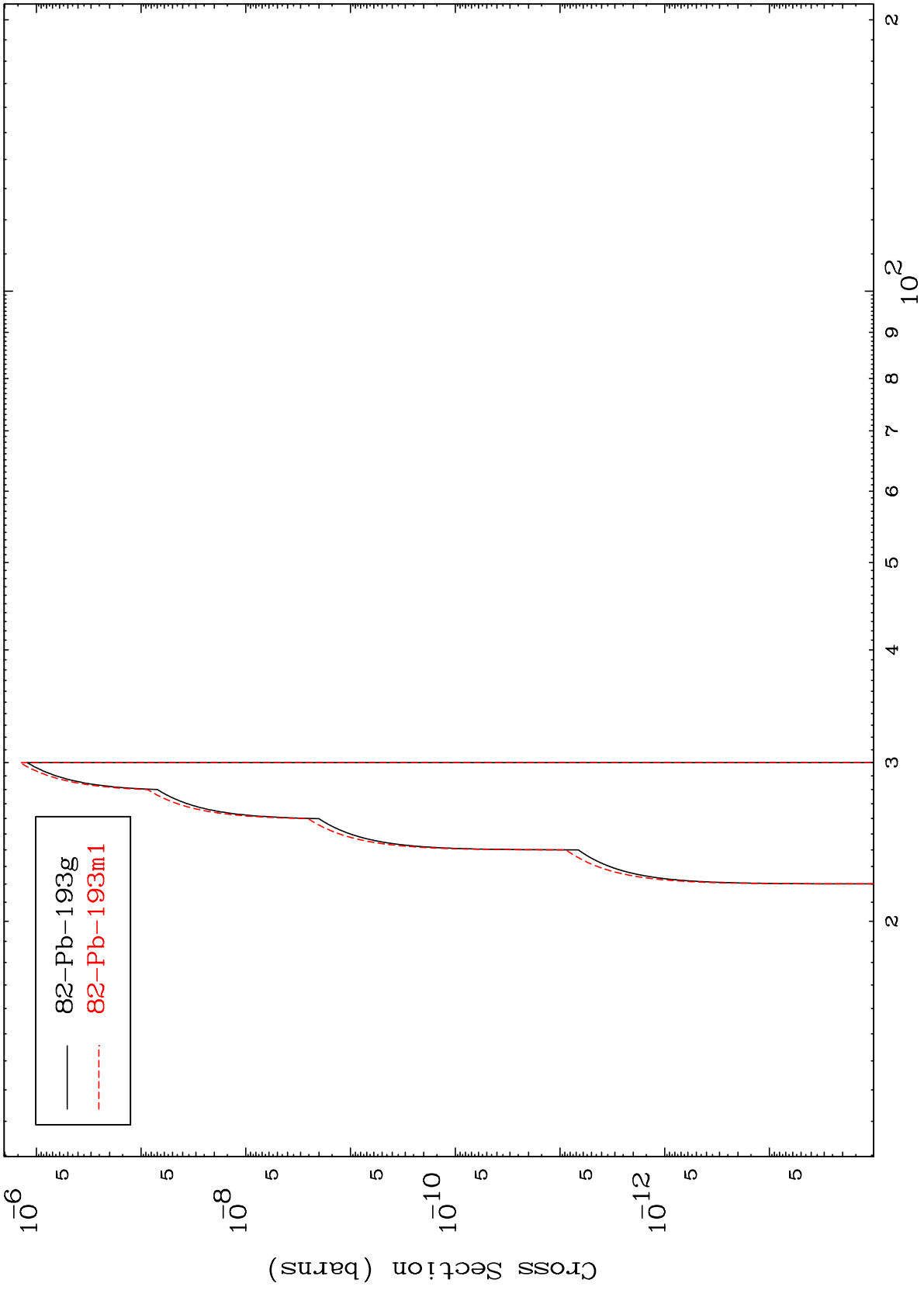
Incident Energy (MeV)

83-Bi-195

MAT 8283

83-Bi-195

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



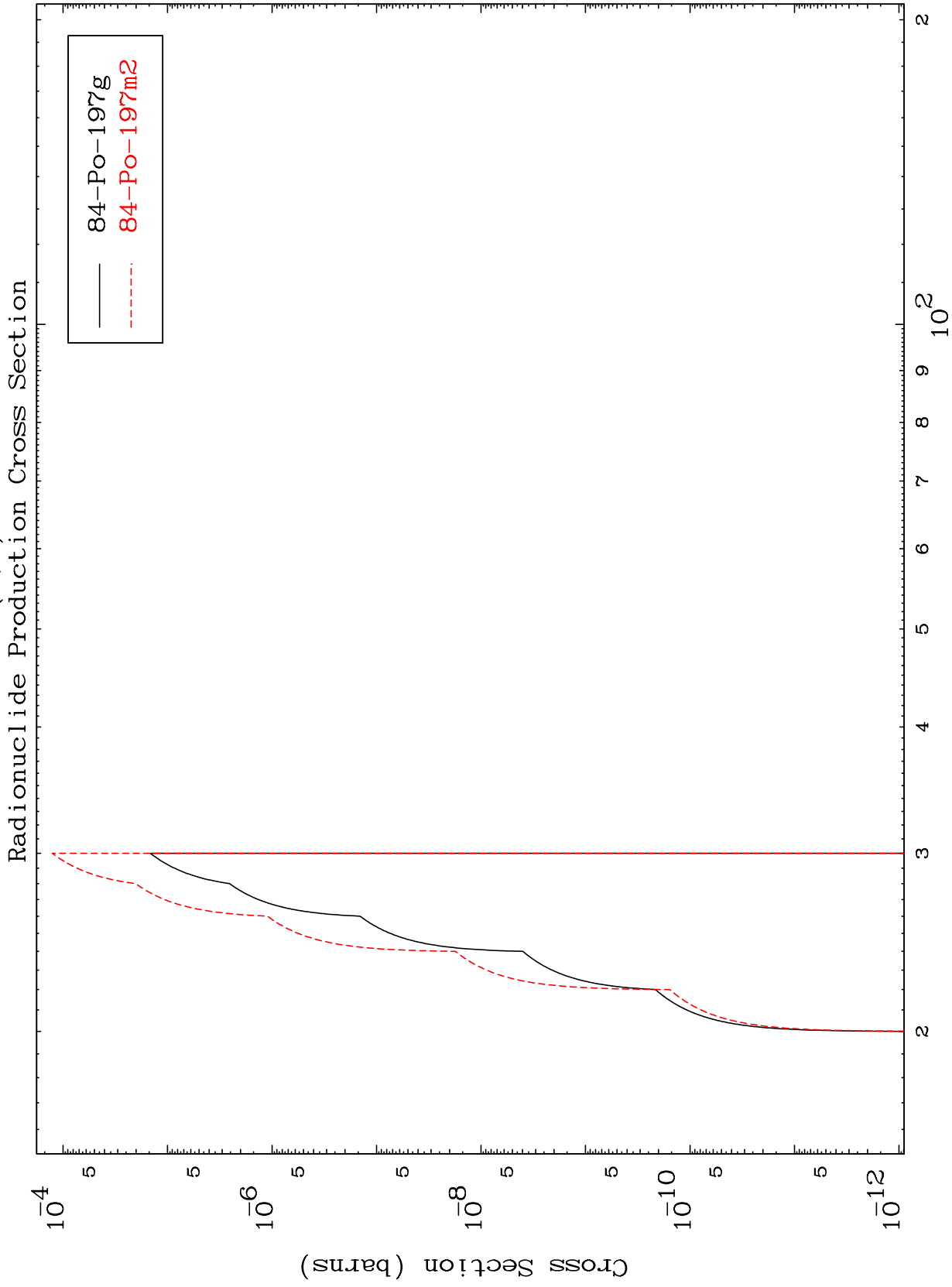
18

83-Bi-195

MAT 8283

(α, d)

83-Bi-195



19

Incident Energy (MeV)

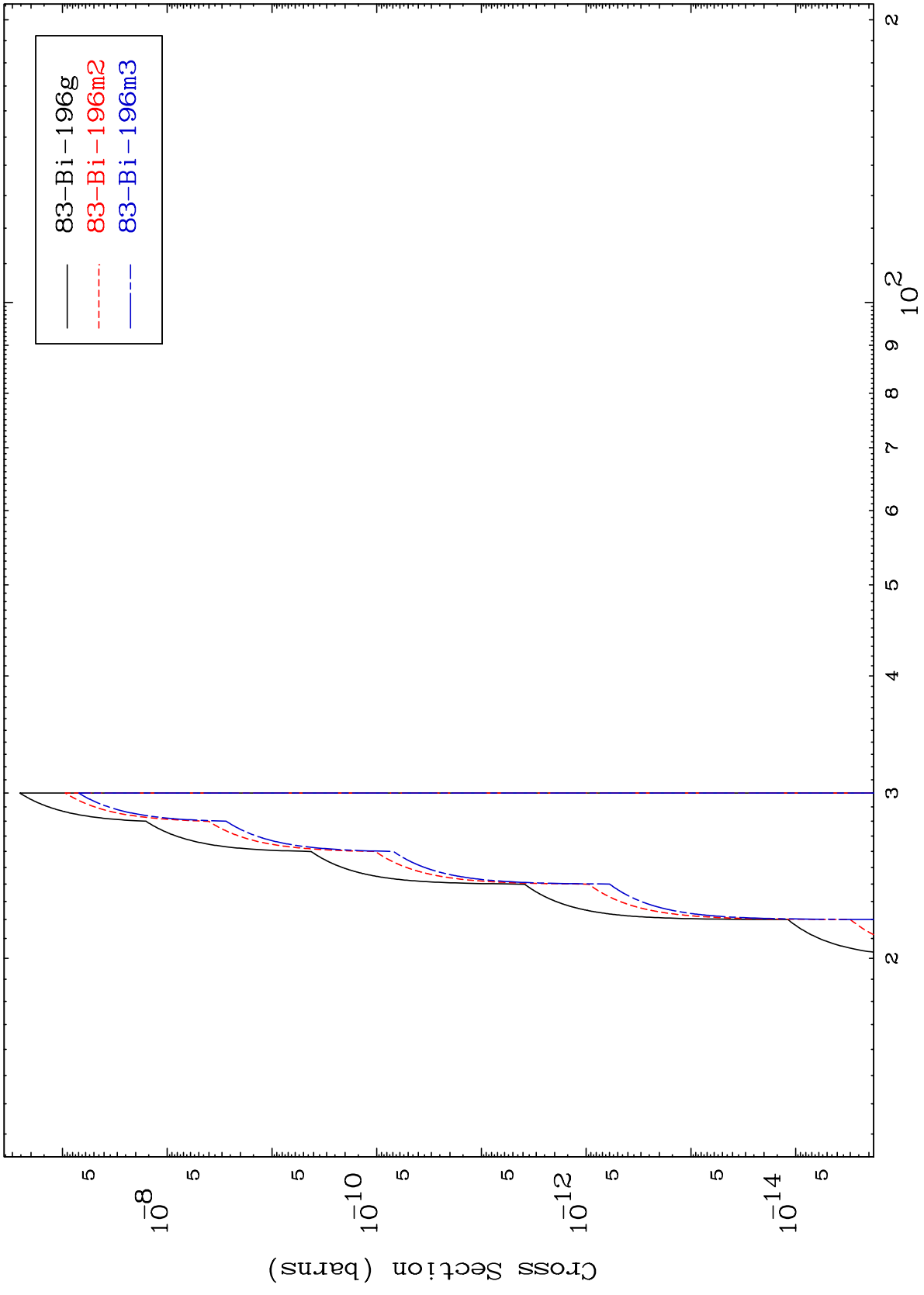
83-Bi-195

MAT 8283

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

83-Bi-195

Radionuclide Production Cross Section



20

Incident Energy (MeV)

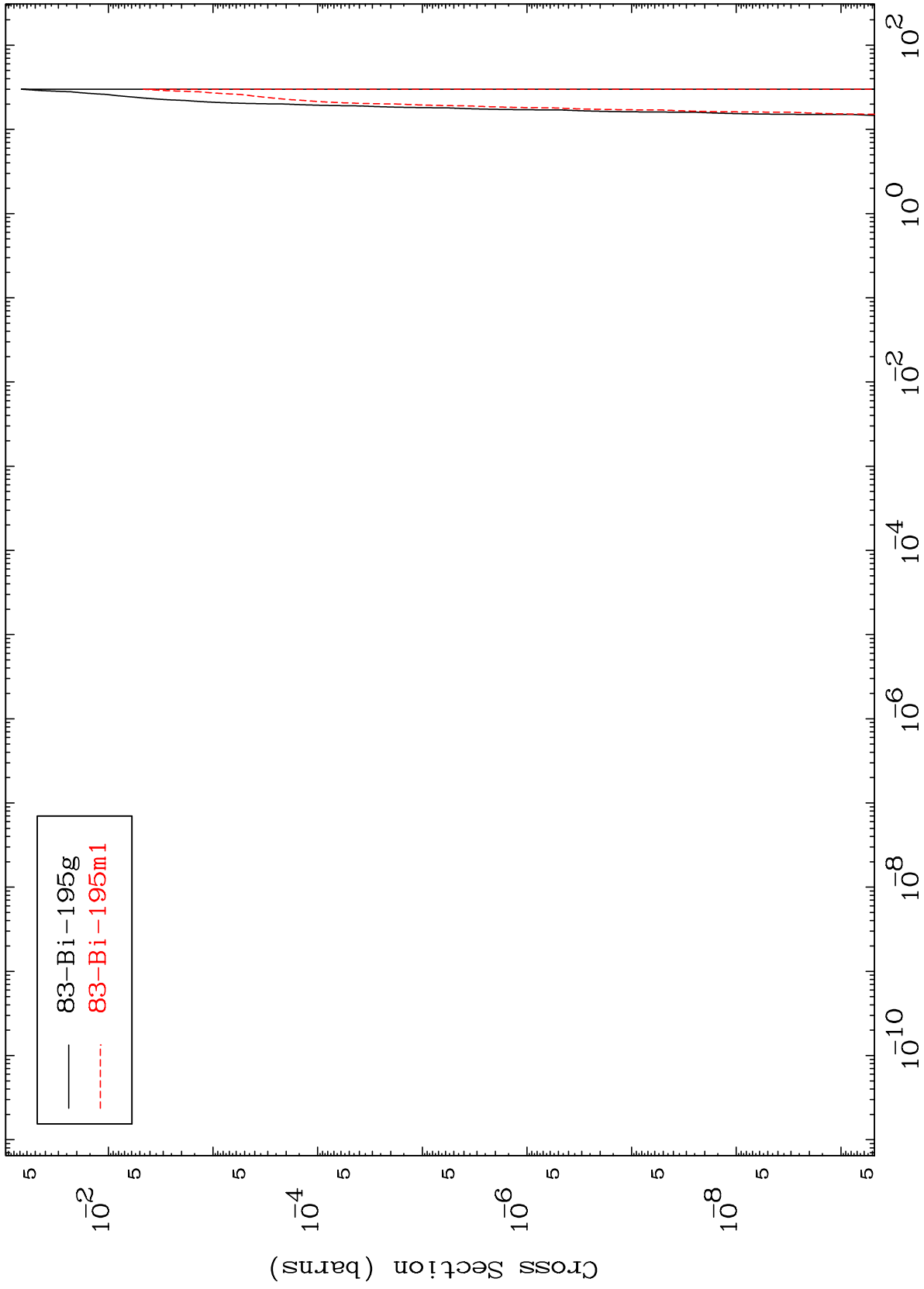
83-Bi-195

MAT 8283

(α, α)

83-Bi-195

Radionuclide Production Cross Section

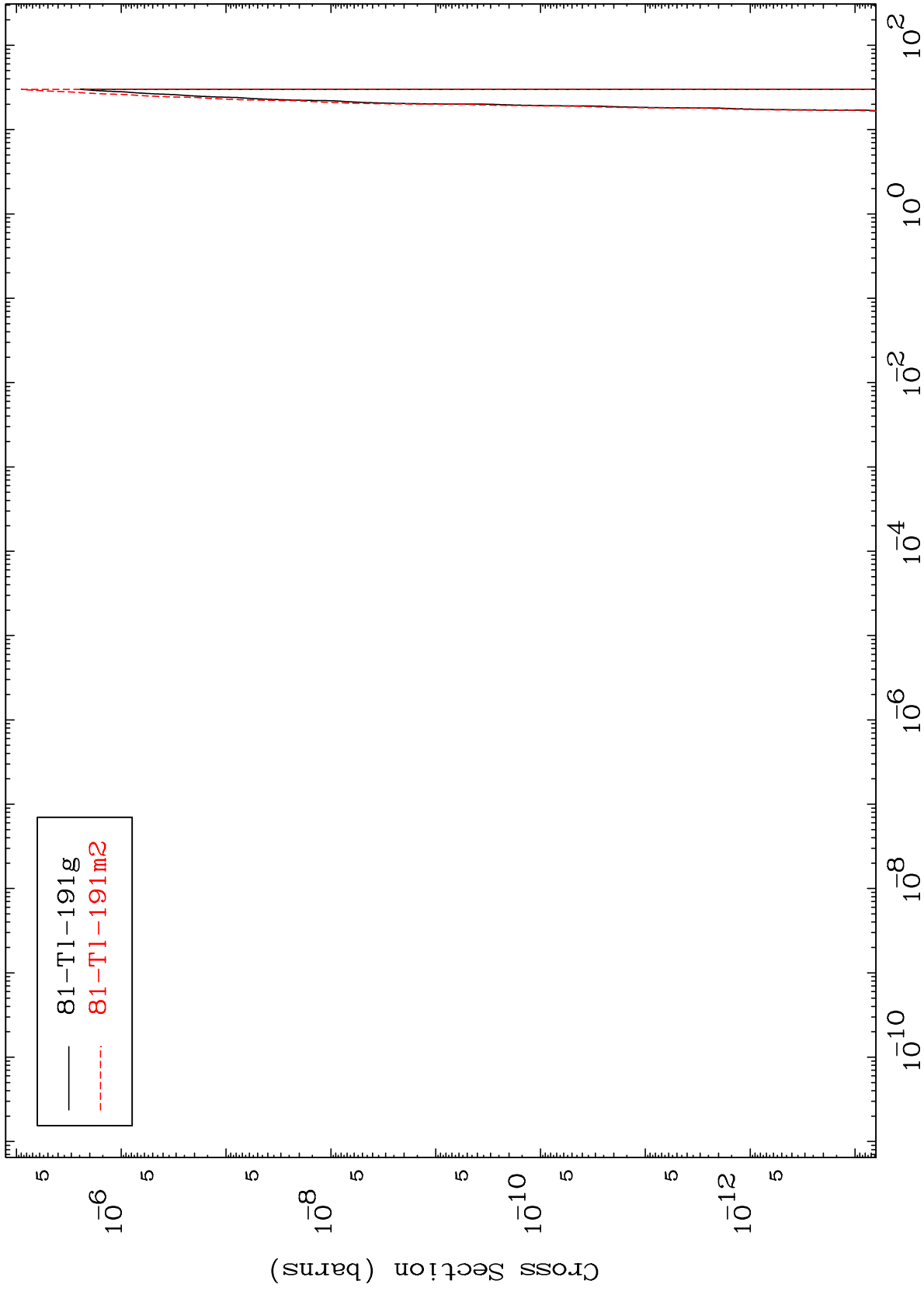


MAT 8283

($\alpha, 2\alpha$)

83-Bi-195

Radionuclide Production Cross Section



22

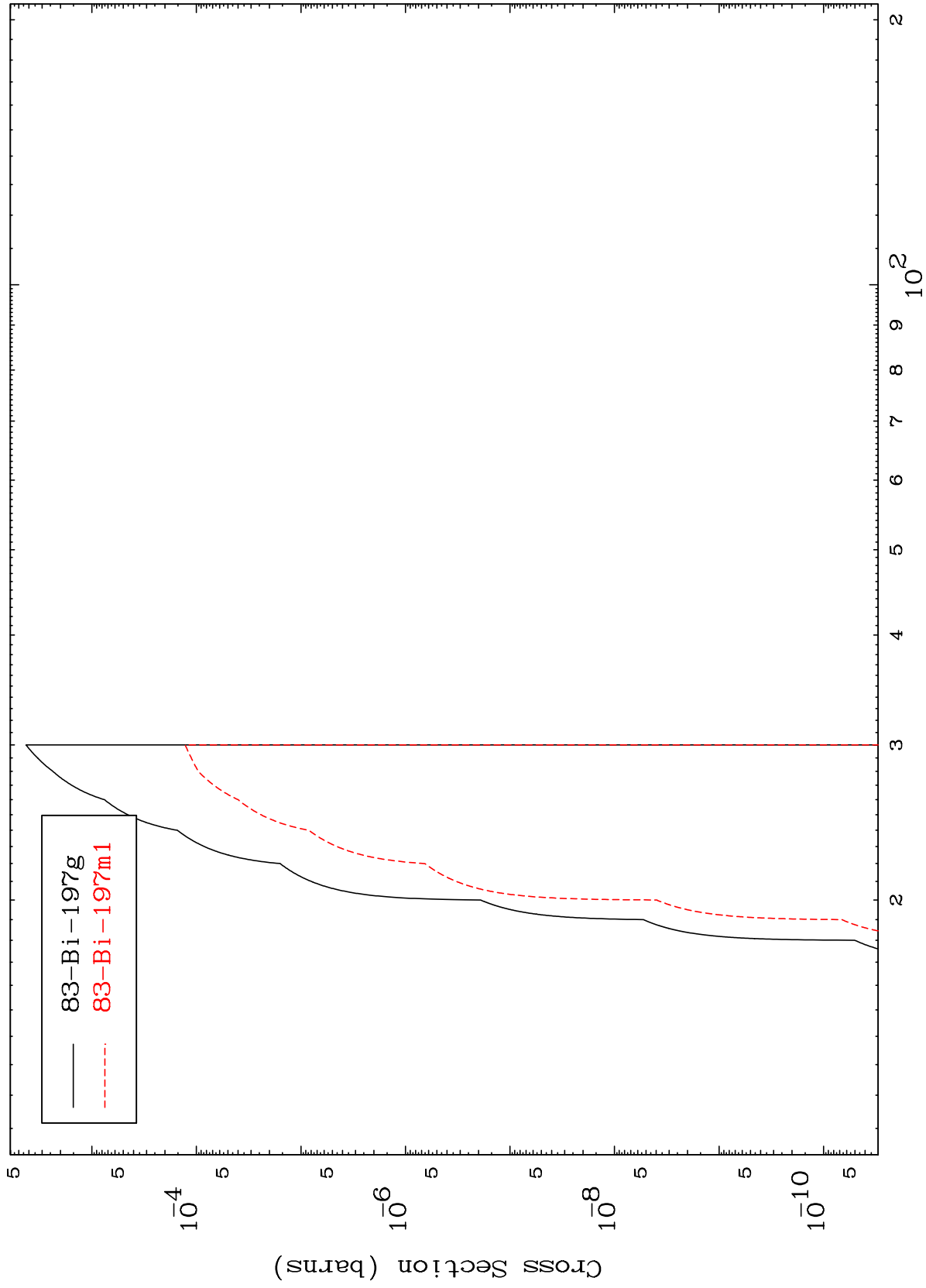
Incident Energy (MeV)

83-Bi-195

MAT 8283

83-Bi-195

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



23

83-Bi-195

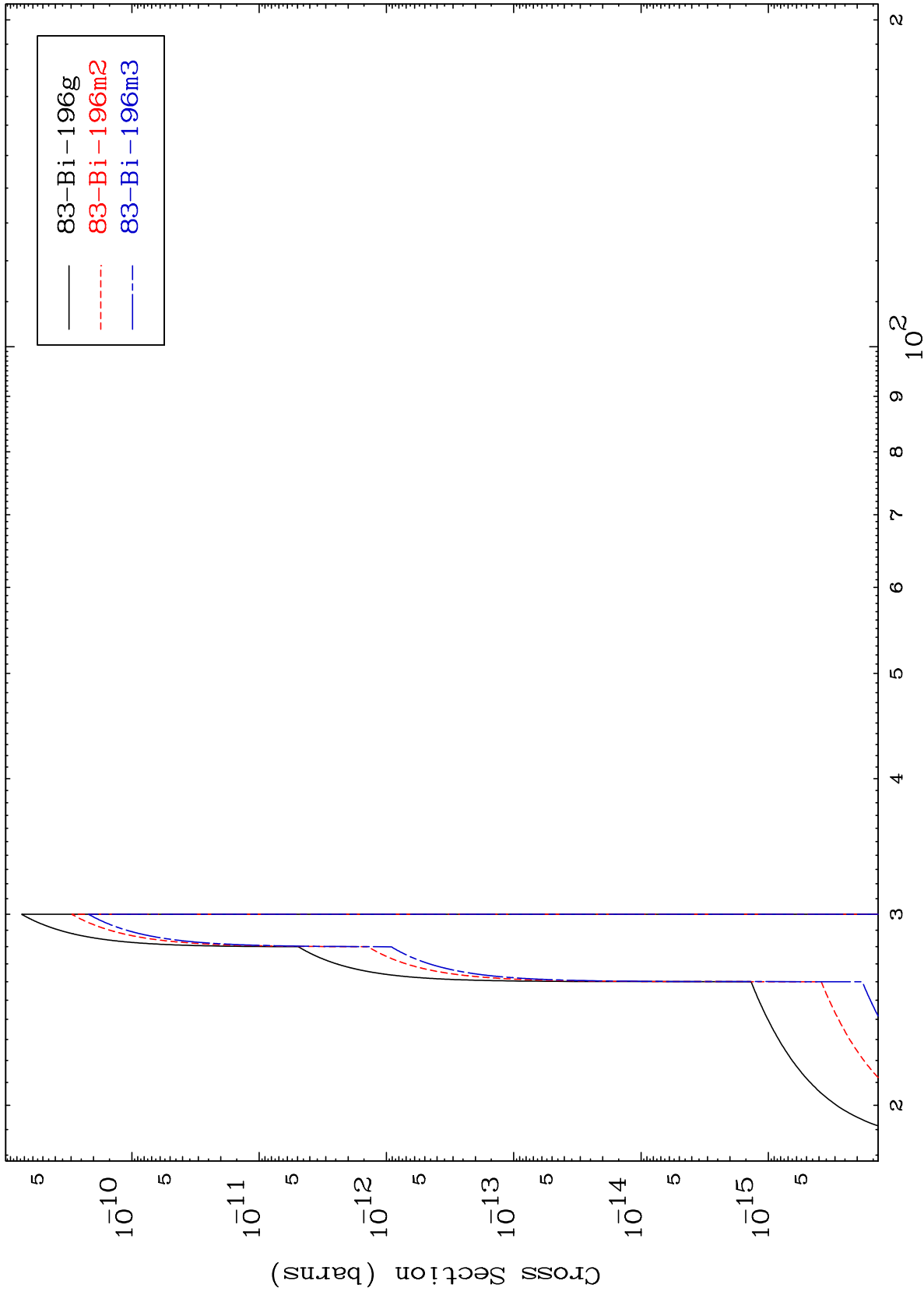
Incident Energy (MeV)

MAT 8283

(α, p) d

83-Bi-195

Radionuclide Production Cross Section



24

Incident Energy (MeV)

83-Bi-195