

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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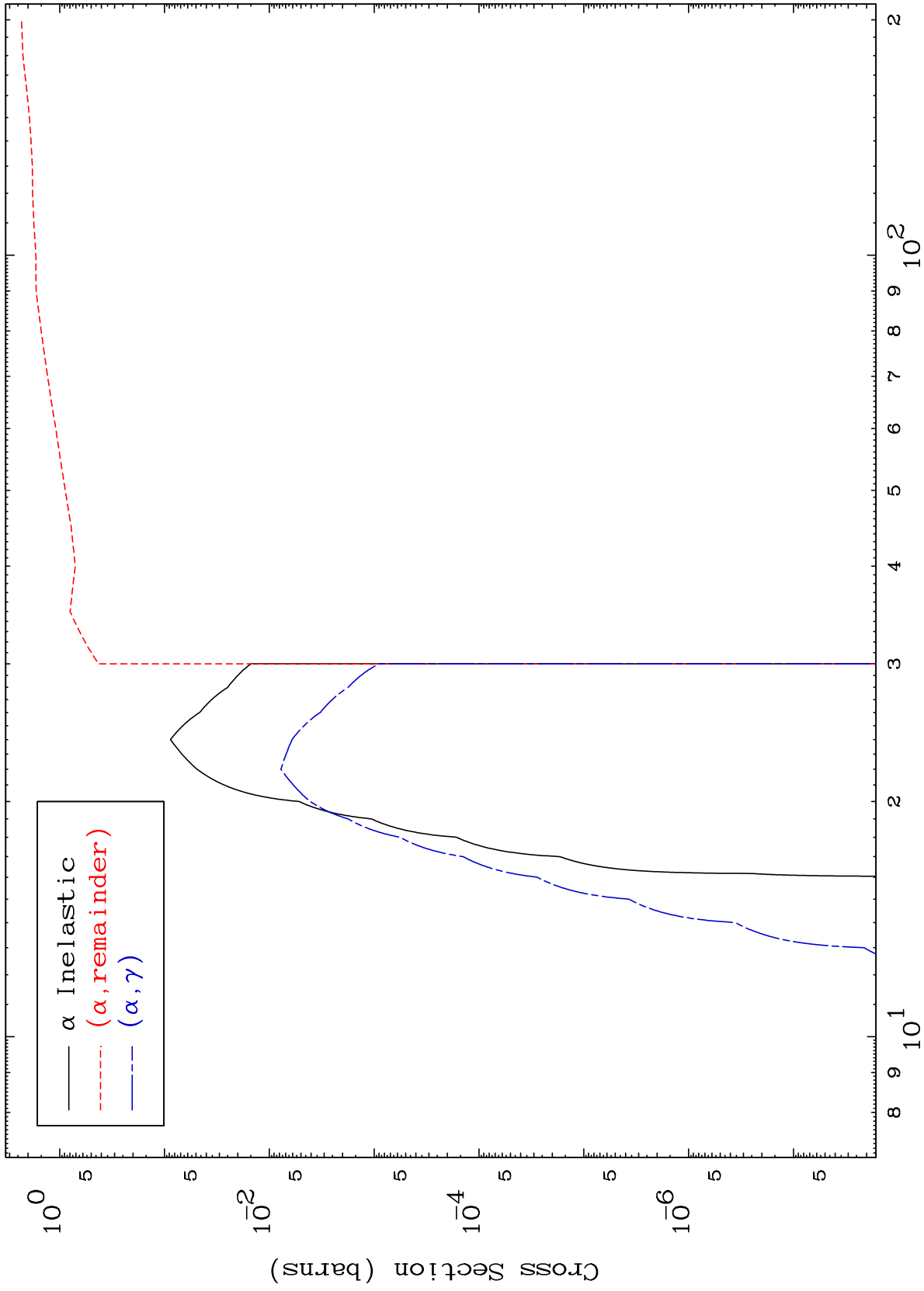
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8274

0 Kelvin α Major
Cross Sections

83-Bi-192



1

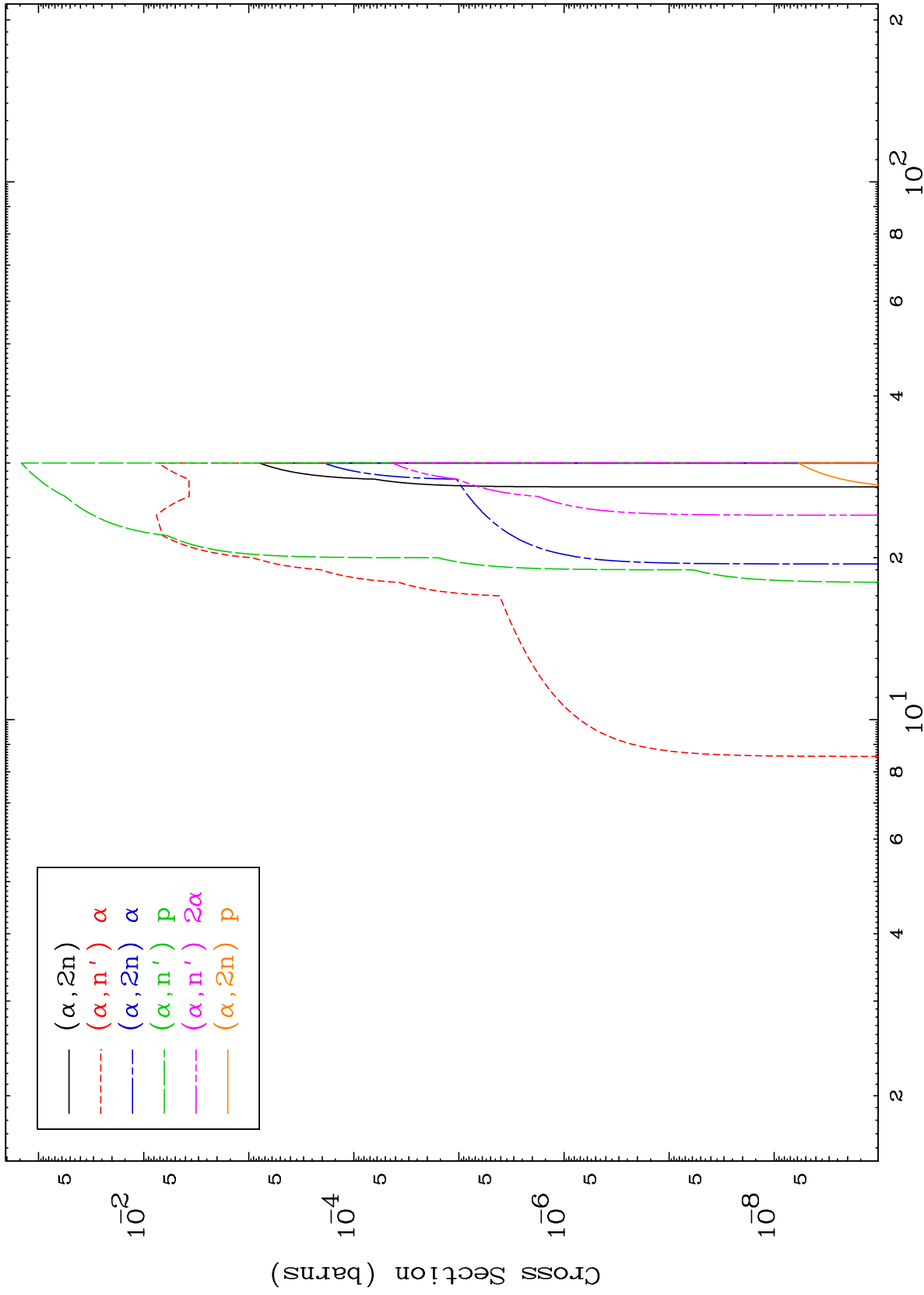
Incident Energy (MeV)

83-Bi-192

MAT 8274

α Neutron Production
0 Kelvin Cross Sections

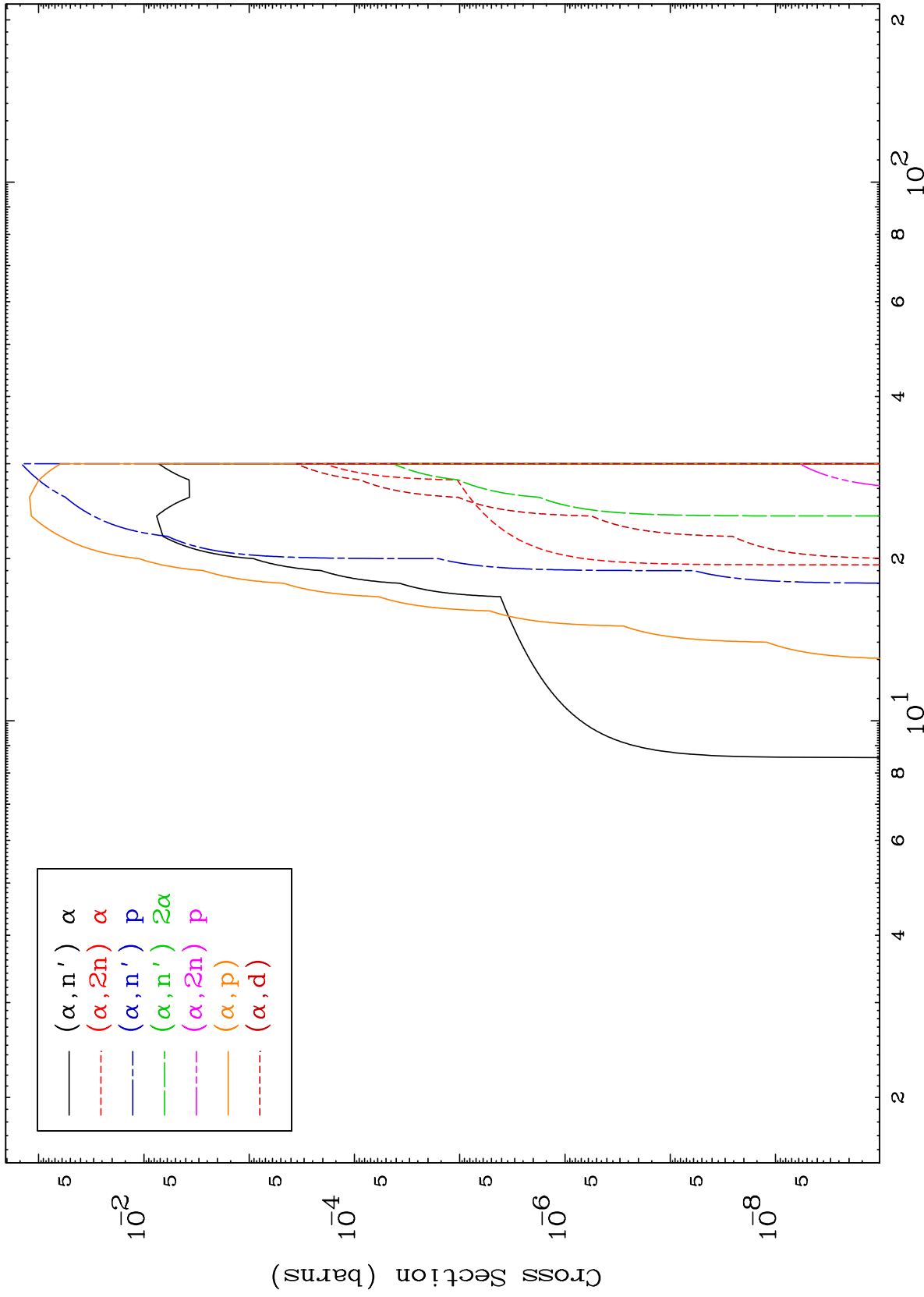
83-Bi-192

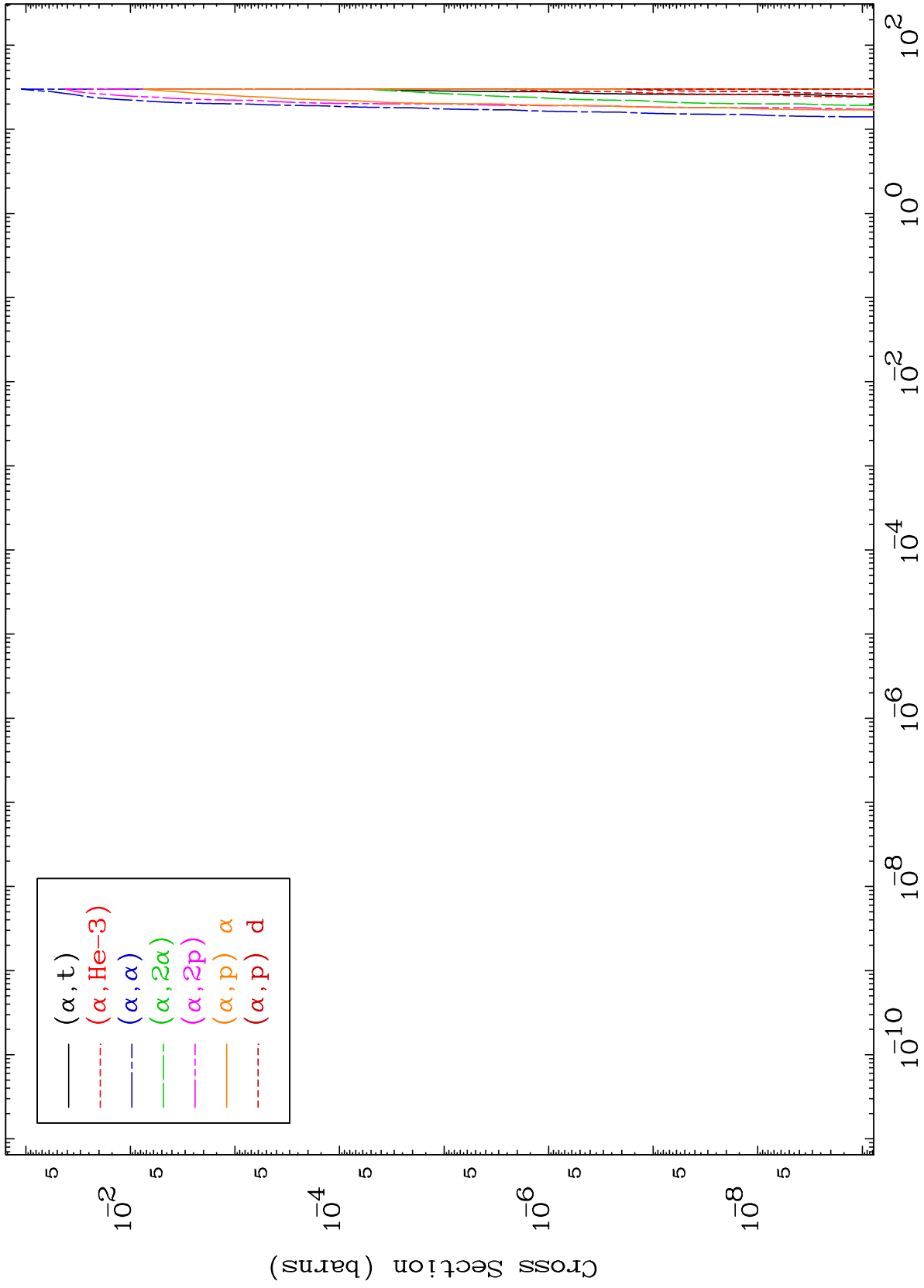


2

Incident Energy (MeV)

83-Bi-192

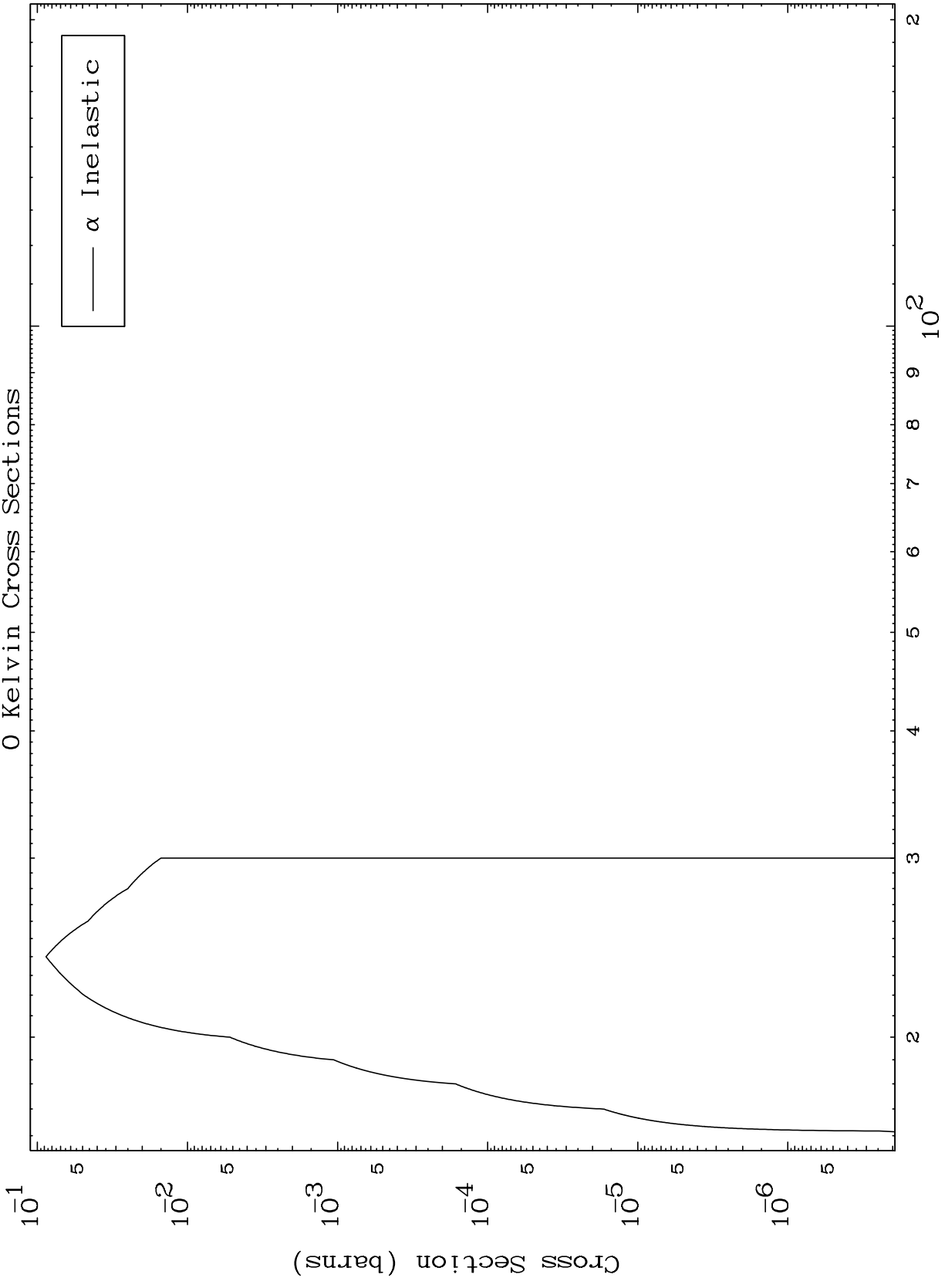




MAT 8274

(α, n') Level
0 Kelvin Cross Sections

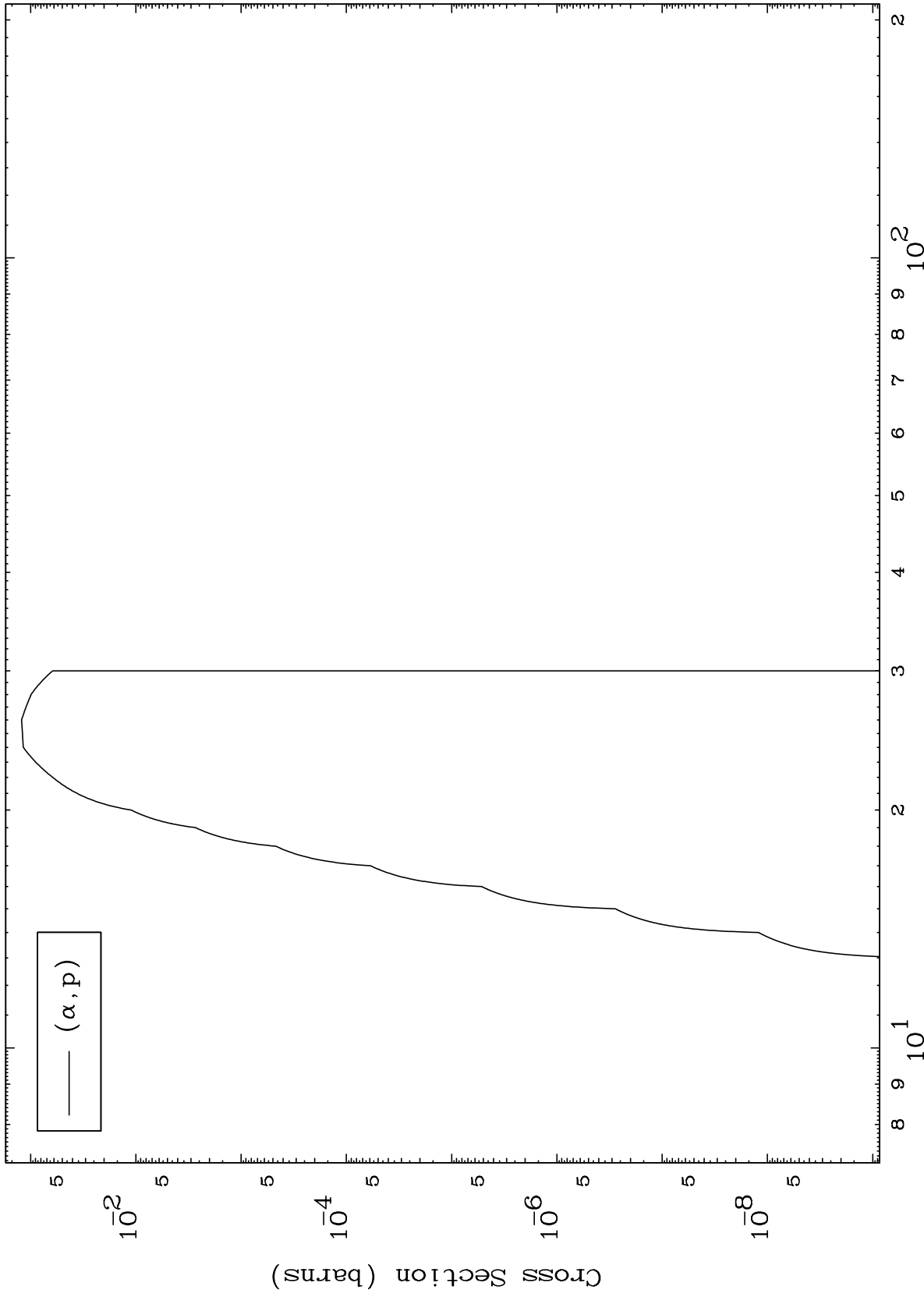
83-Bi-192



5

Incident Energy (MeV)

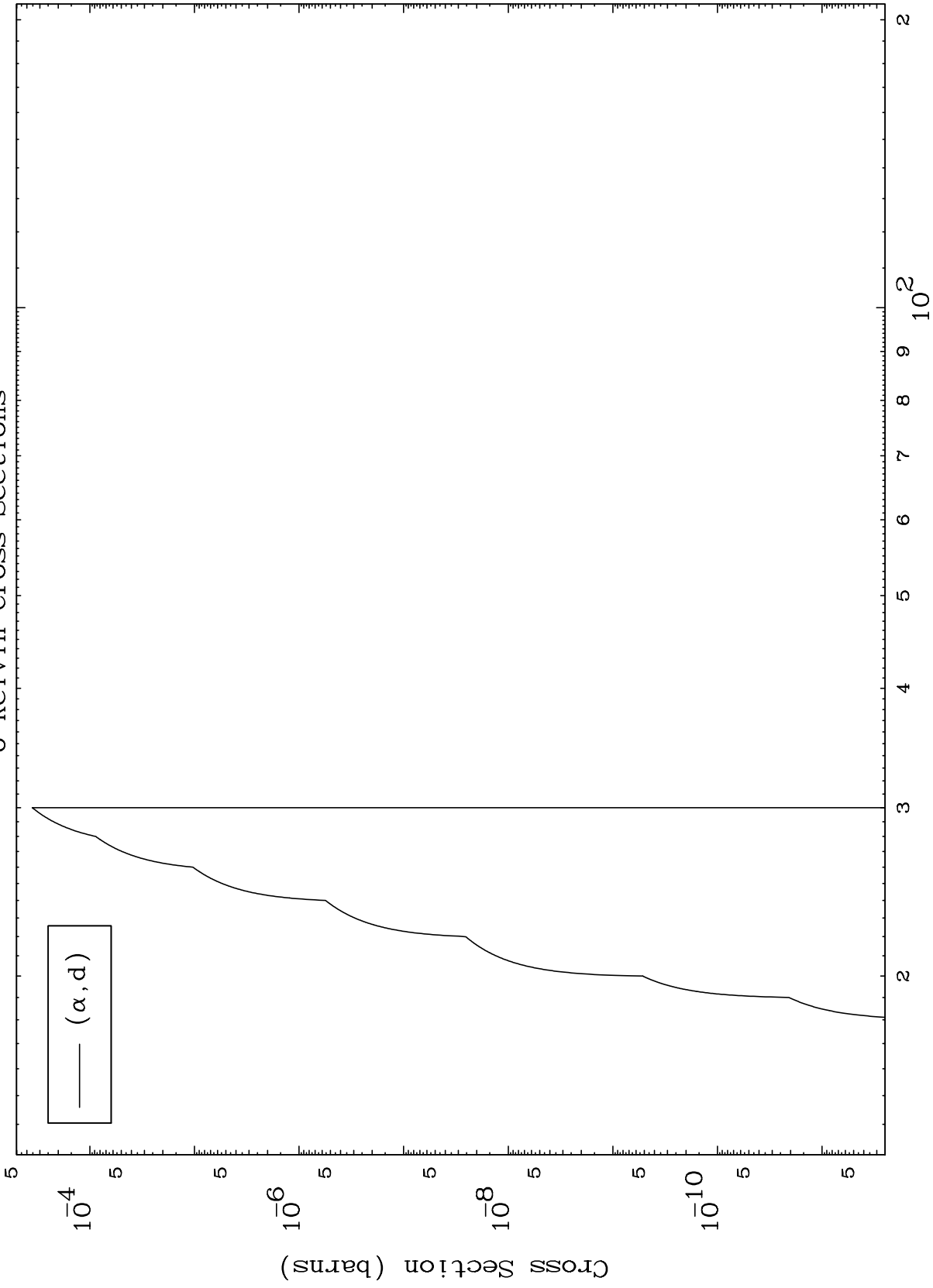
83-Bi-192



MAT 8274

(α, d) Levels
0 Kelvin Cross Sections

83-Bi-192



7

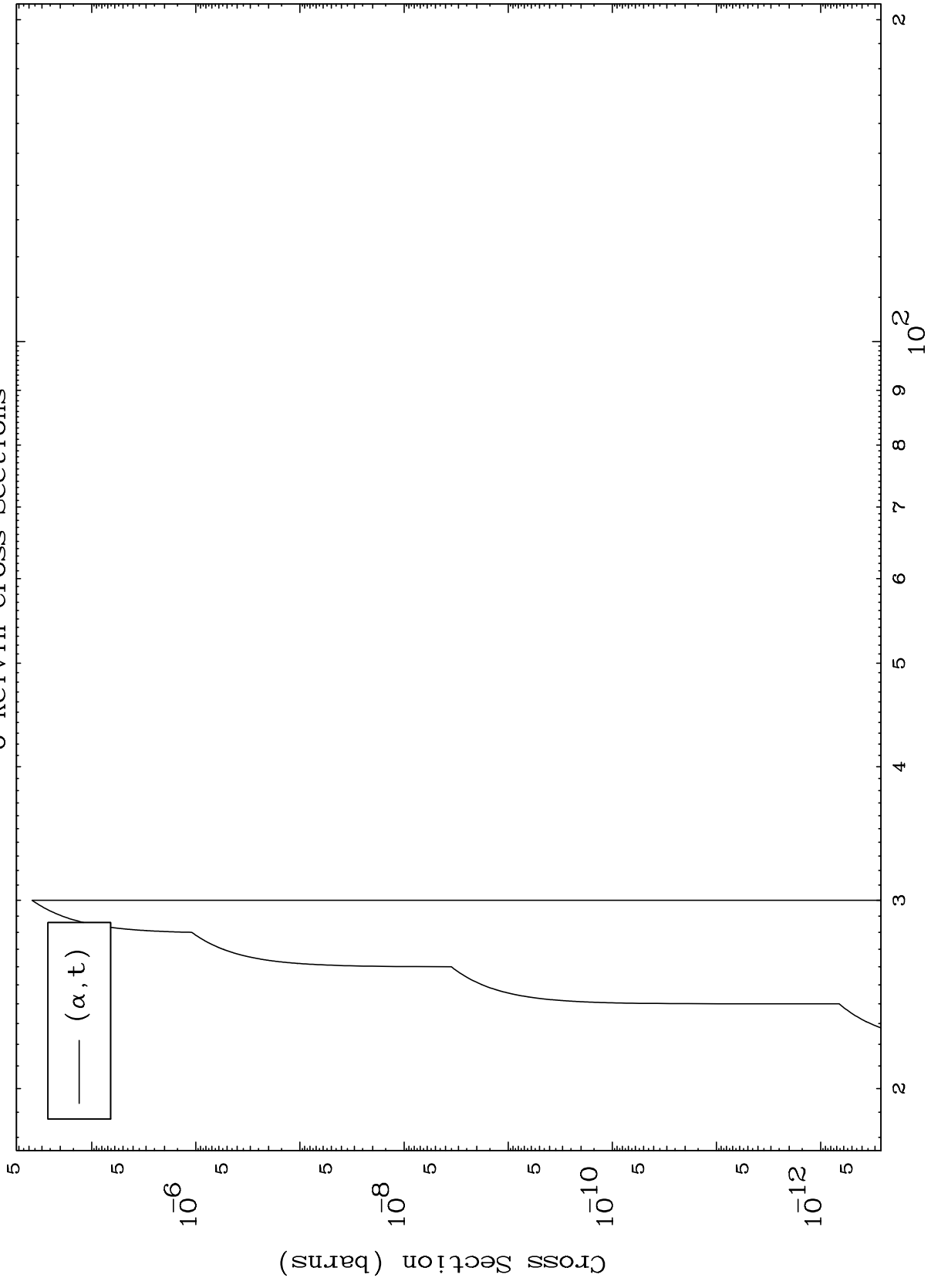
Incident Energy (MeV)

83-Bi-192

MAT 8274

(α, t) Levels
0 Kelvin Cross Sections

83-Bi-192



8

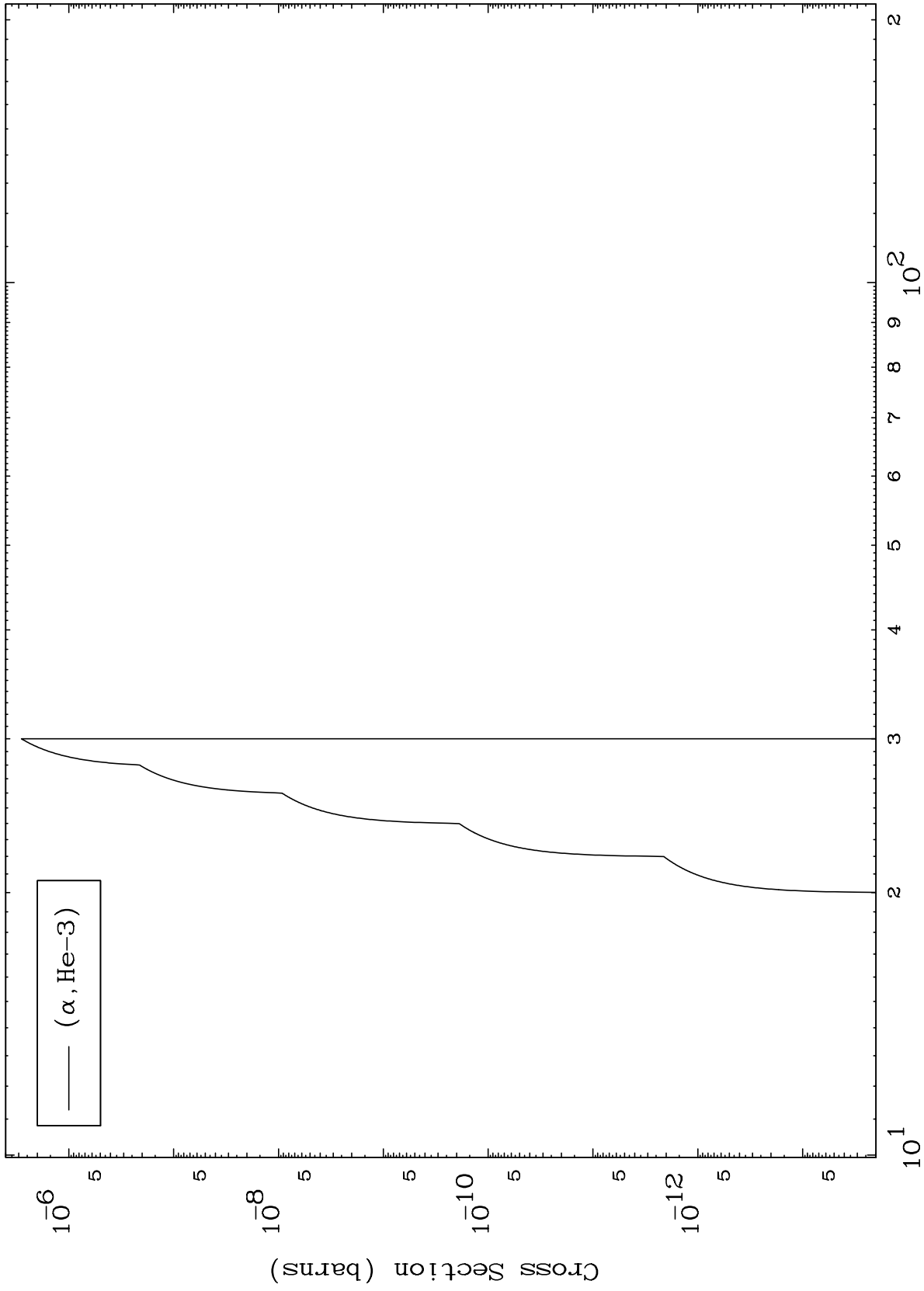
Incident Energy (MeV)

83-Bi-192

MAT 8274

(α ,He3) Levels
0 Kelvin Cross Sections

83-Bi-192



9

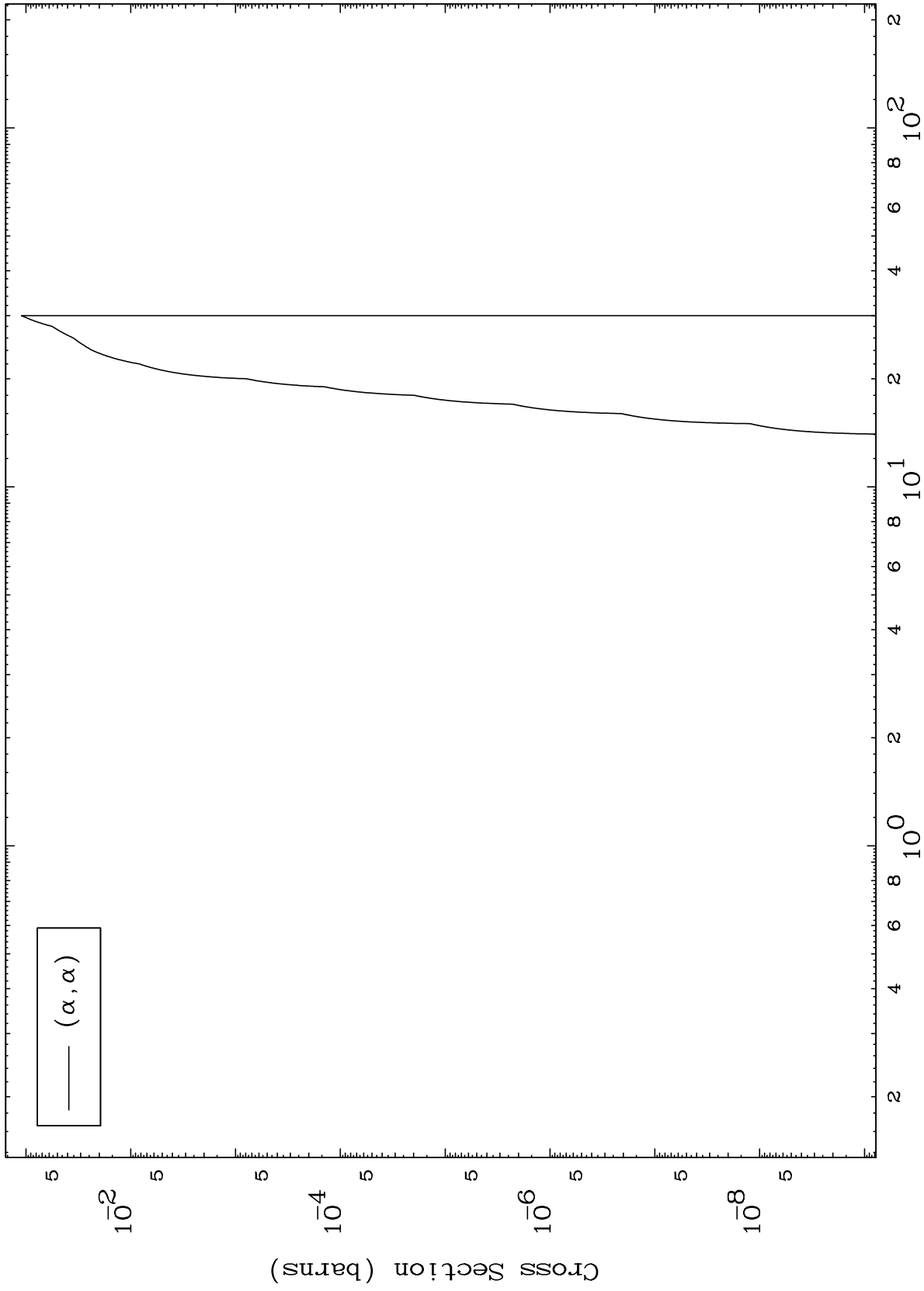
Incident Energy (MeV)

83-Bi-192

MAT 8274

(α, α) Levels
0 Kelvin Cross Sections

83-Bi-192



10

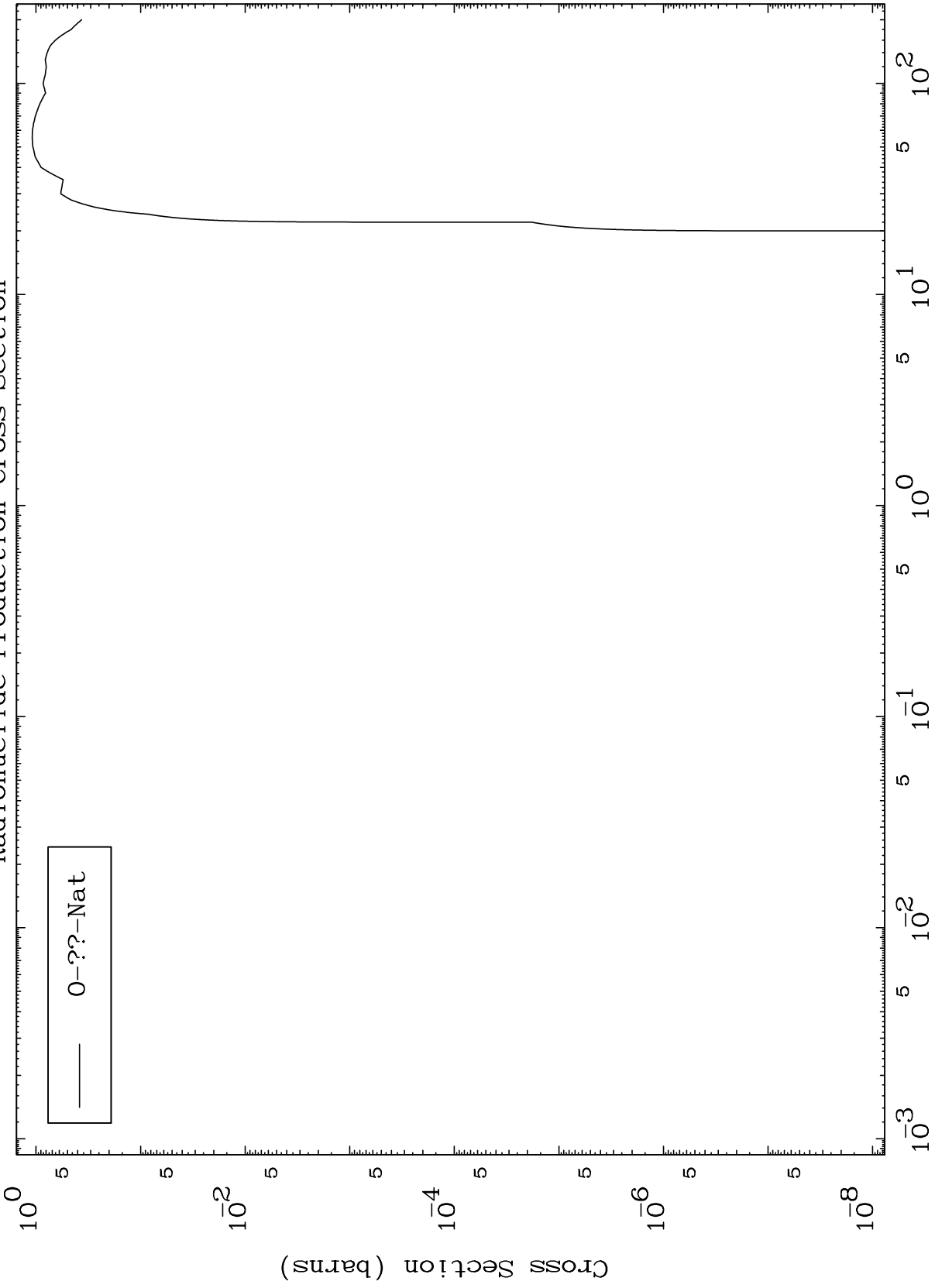
Incident Energy (MeV)

83-Bi-192

MAT 8274

α Fission
Radionuclide Production Cross Section

83-Bi-192



0-?-?-Nat

11

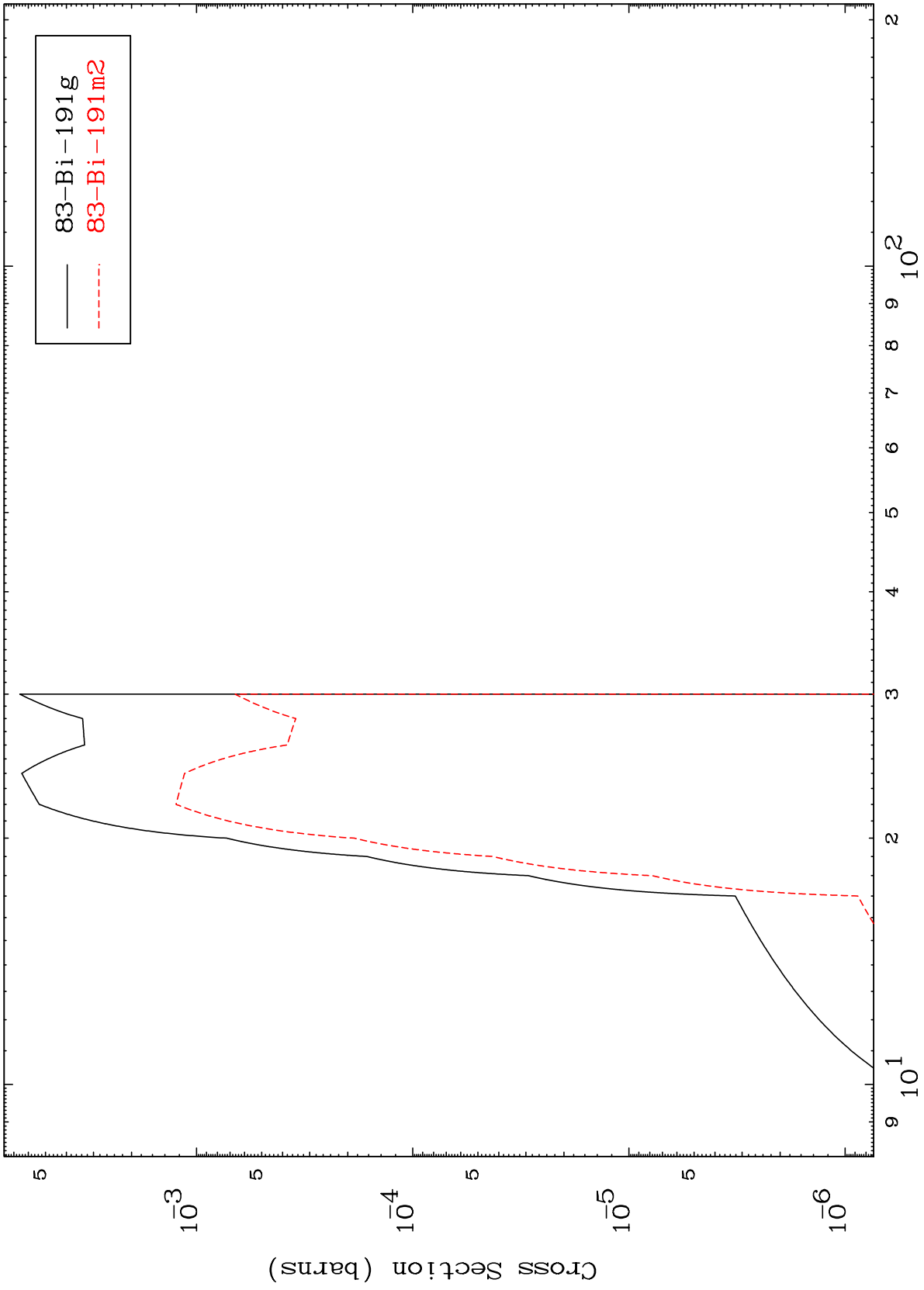
Incident Energy (MeV)

83-Bi-192

MAT 8274

83-Bi-192

(α, n') α
Radionuclide Production Cross Section



83-Bi-192

Incident Energy (MeV)

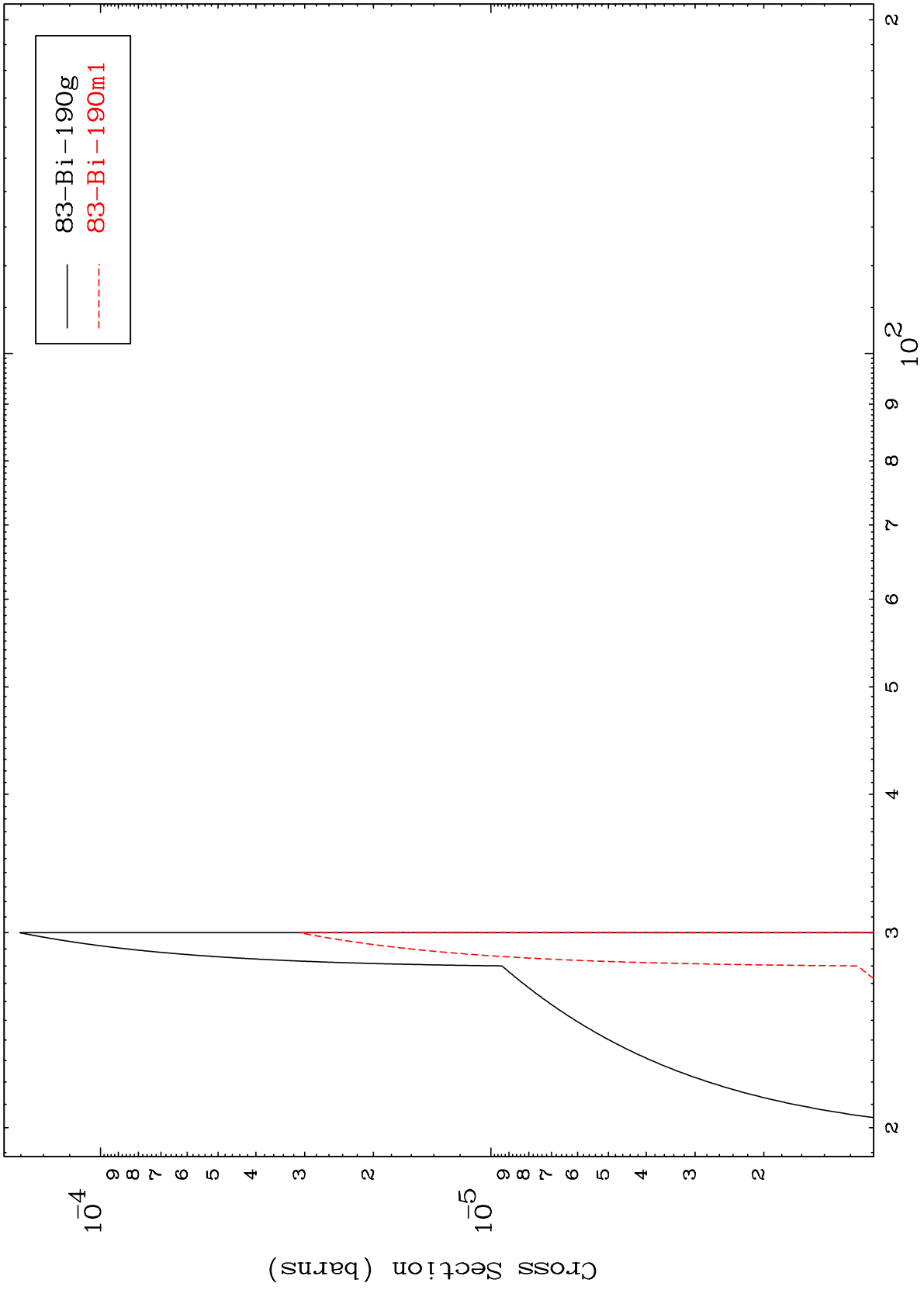
12

MAT 8274

$(\alpha, 2n) \alpha$

$^{83}\text{Bi}-192$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

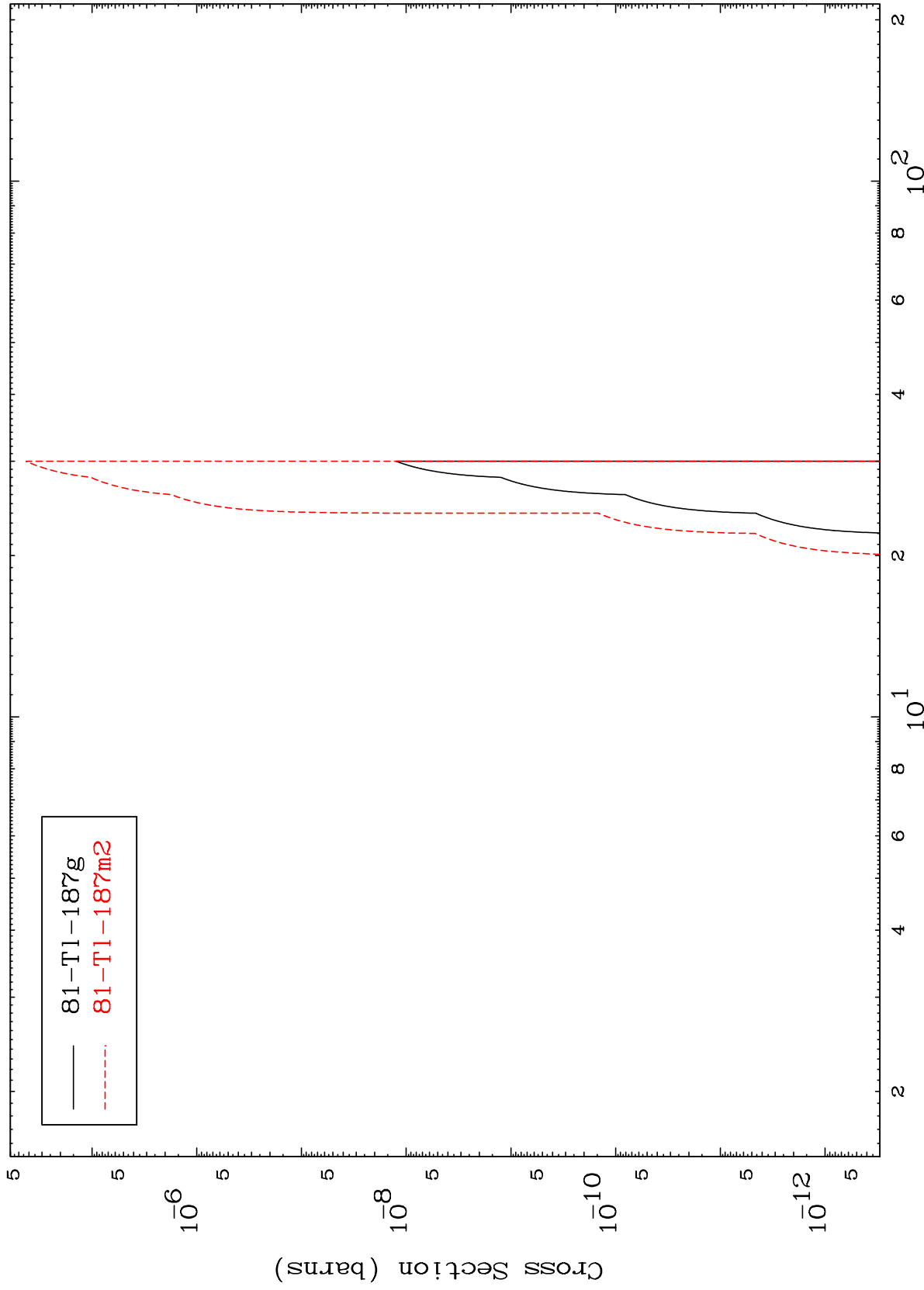
$^{83}\text{Bi}-192$

MAT 8274

(α, n') 2α

83-Bi-192

Radionuclide Production Cross Section



14

Incident Energy (MeV)

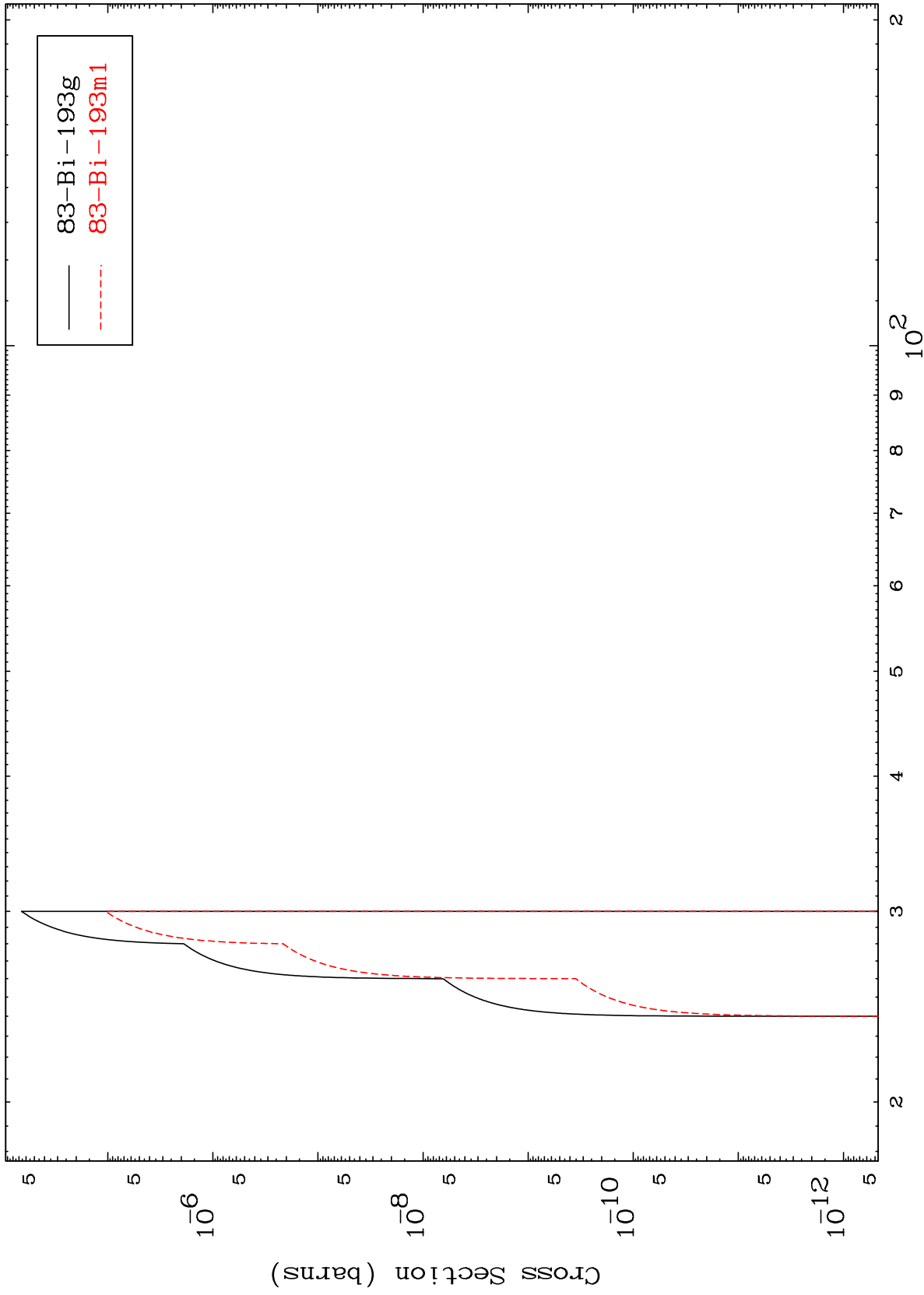
83-Bi-192

MAT 8274

$(\alpha, 2n)$ p

83-Bi-192

Radionuclide Production Cross Section



15

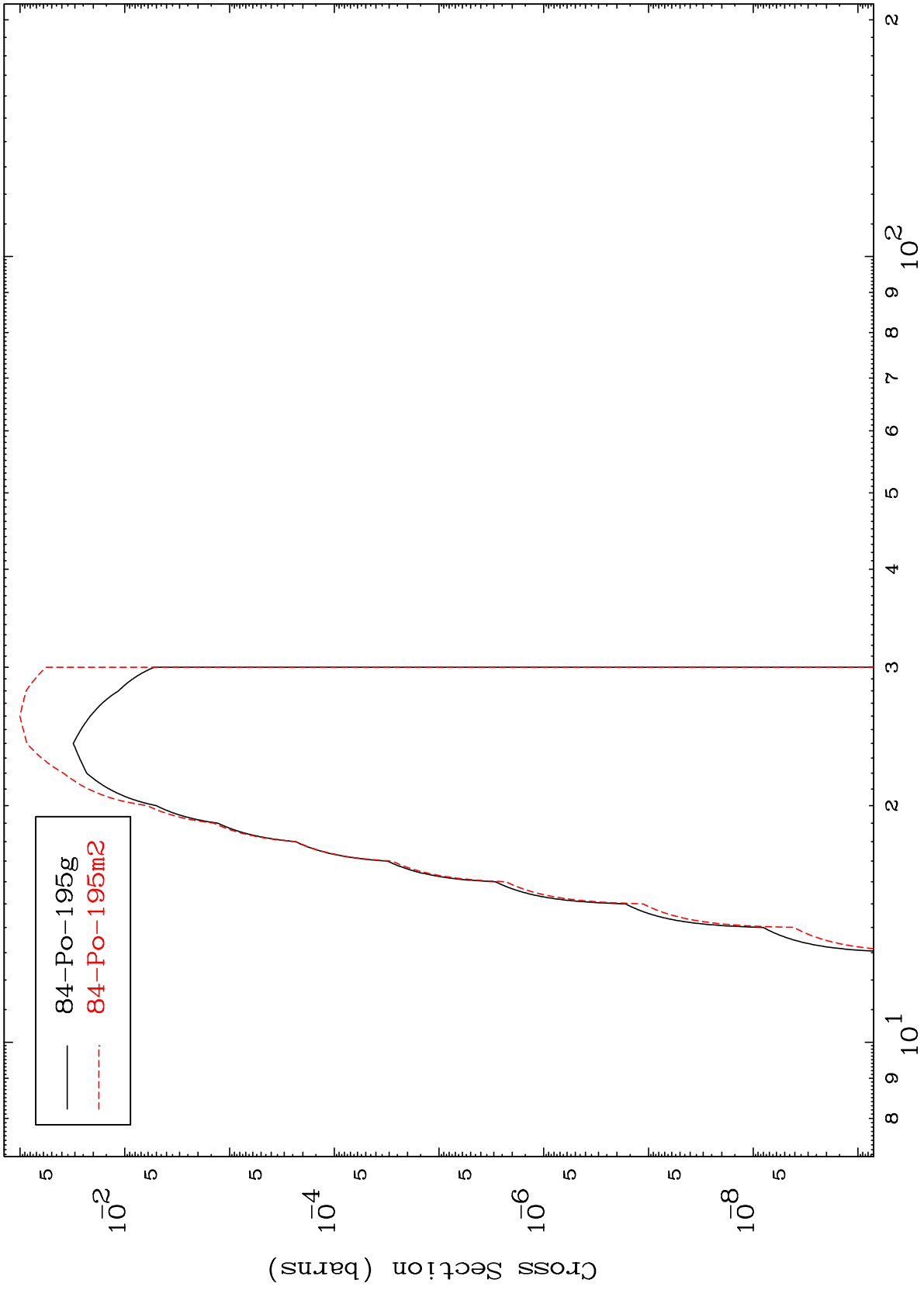
Incident Energy (MeV)

83-Bi-192

MAT 8274

83-Bi-192

Radionuclide Production Cross Section
(α, p)



16

Incident Energy (MeV)

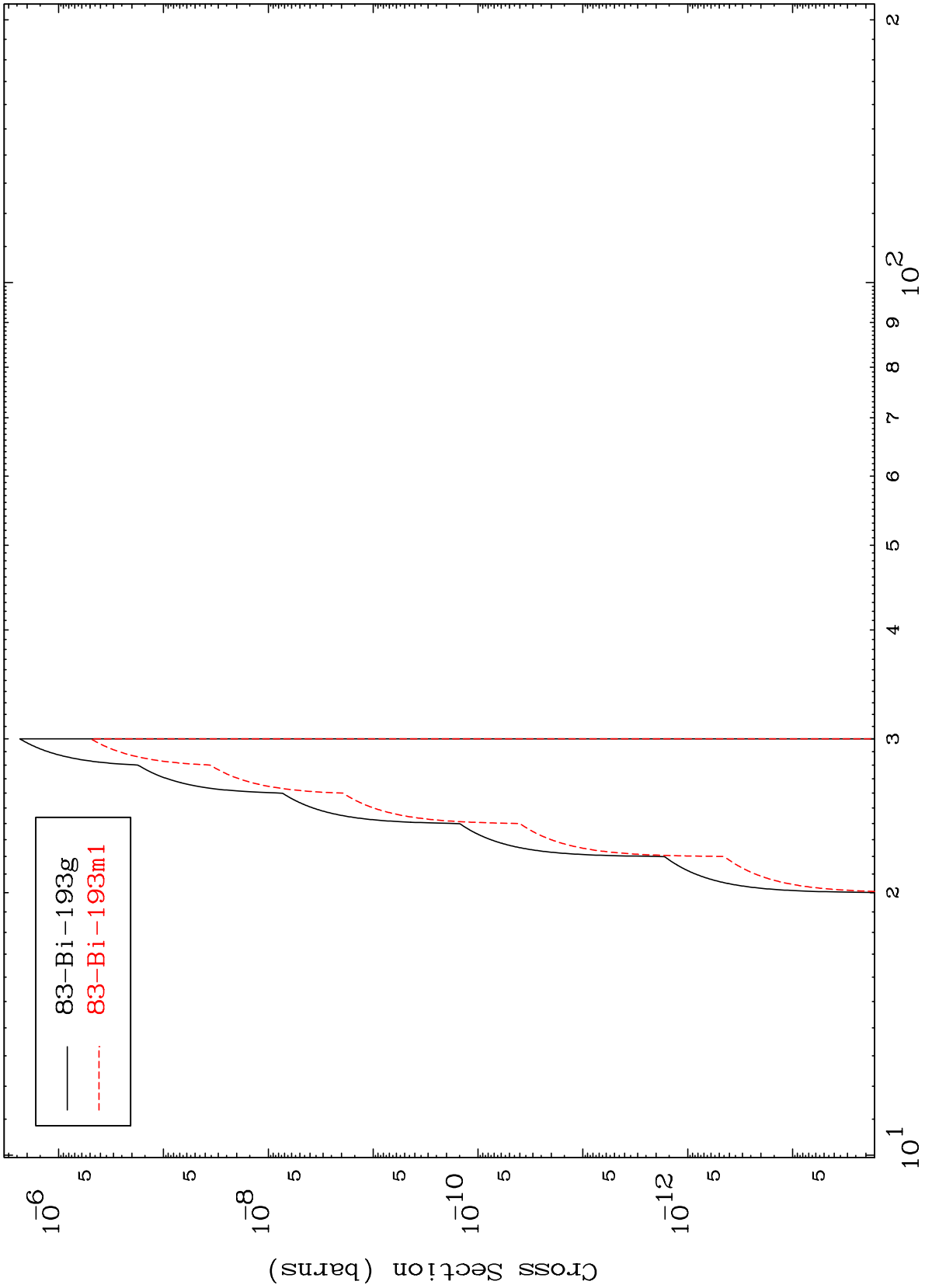
83-Bi-192

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

83-Bi-192

Radionuclide Production Cross Section



83-Bi-193g
83-Bi-193m1

17

Incident Energy (MeV)

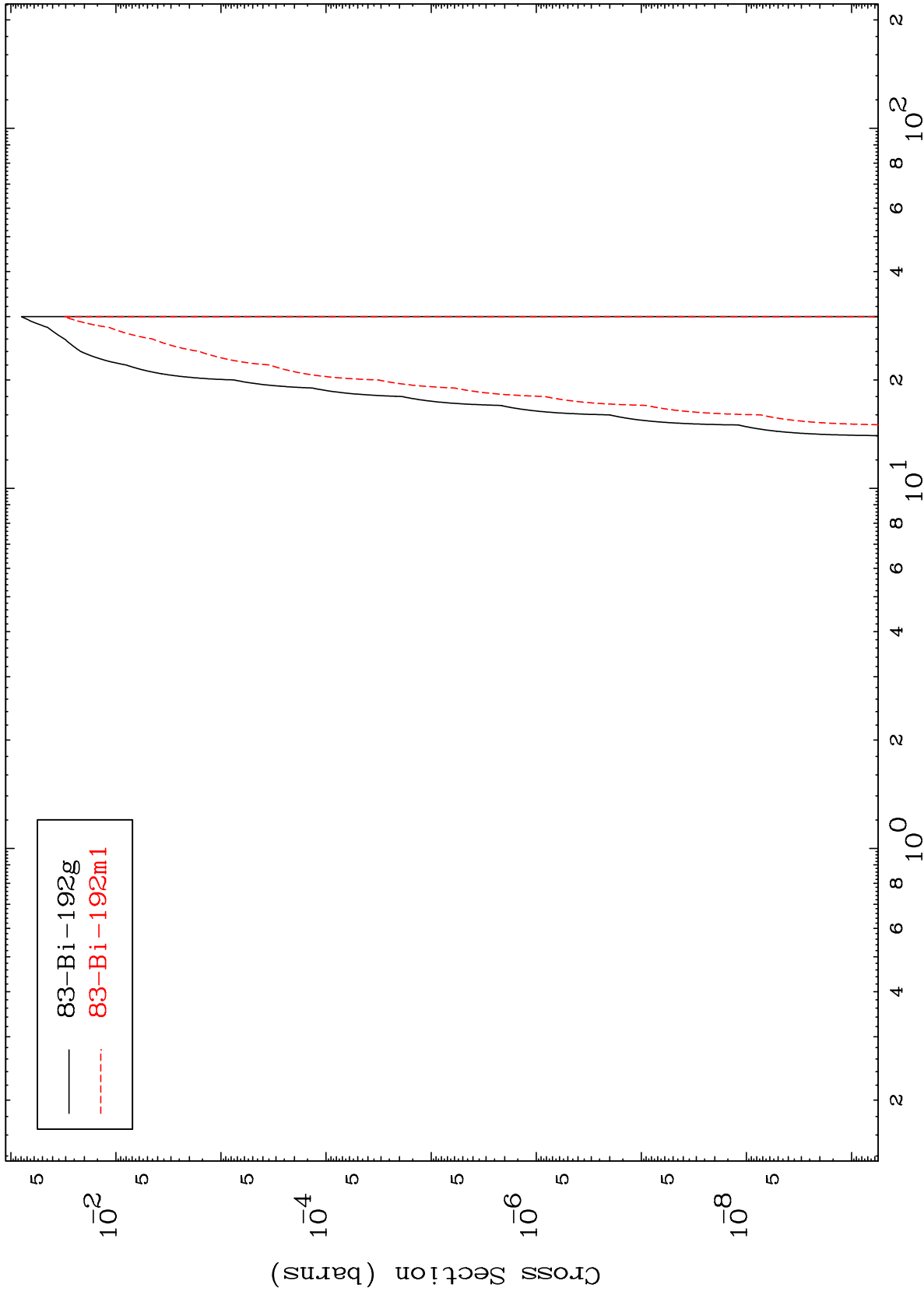
83-Bi-192

MAT 8274

(α, α)

83-Bi-192

Radionuclide Production Cross Section



18

Incident Energy (MeV)

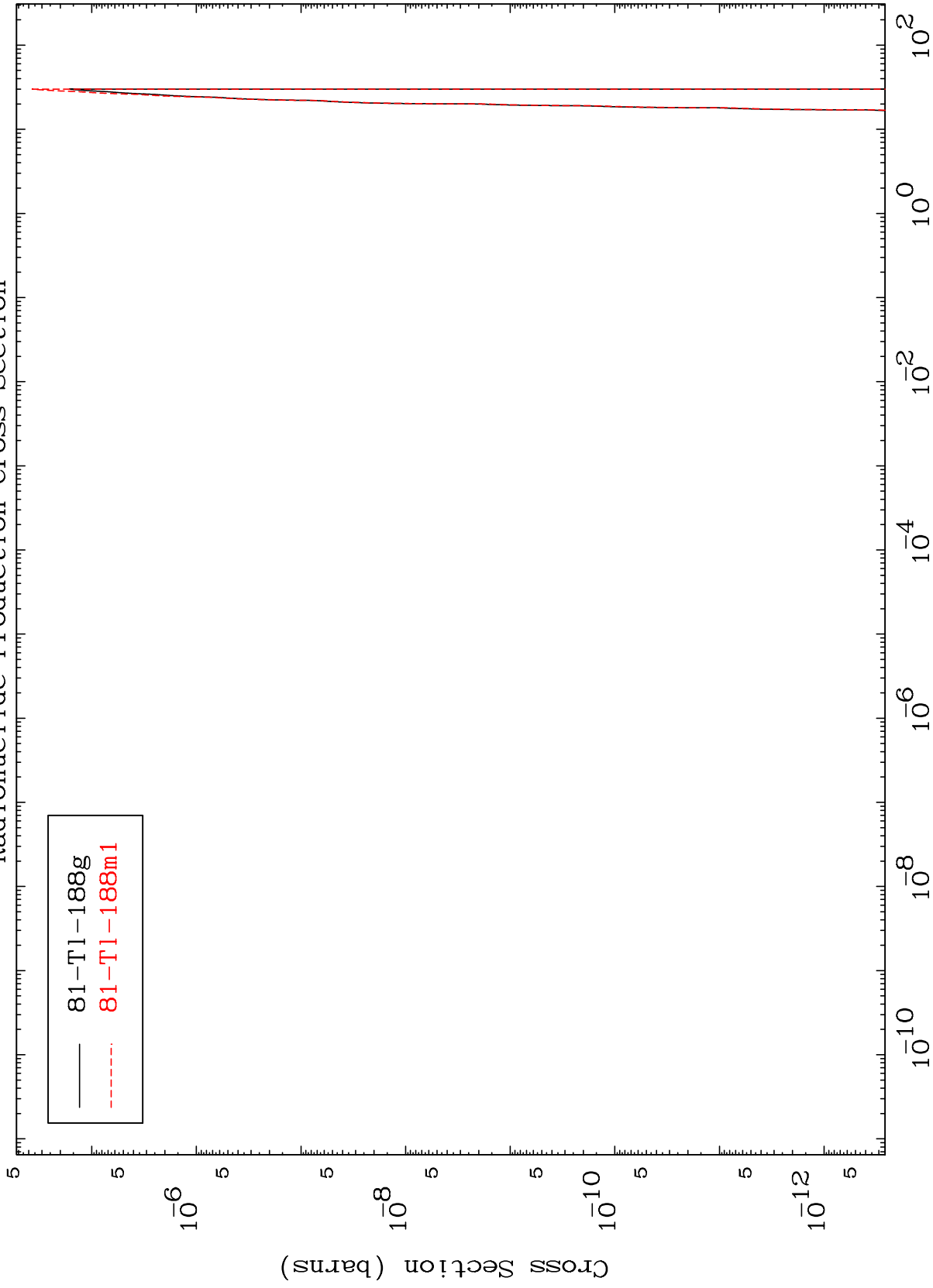
83-Bi-192

MAT 8274

($\alpha, 2\alpha$)

83-Bi-192

Radionuclide Production Cross Section



19

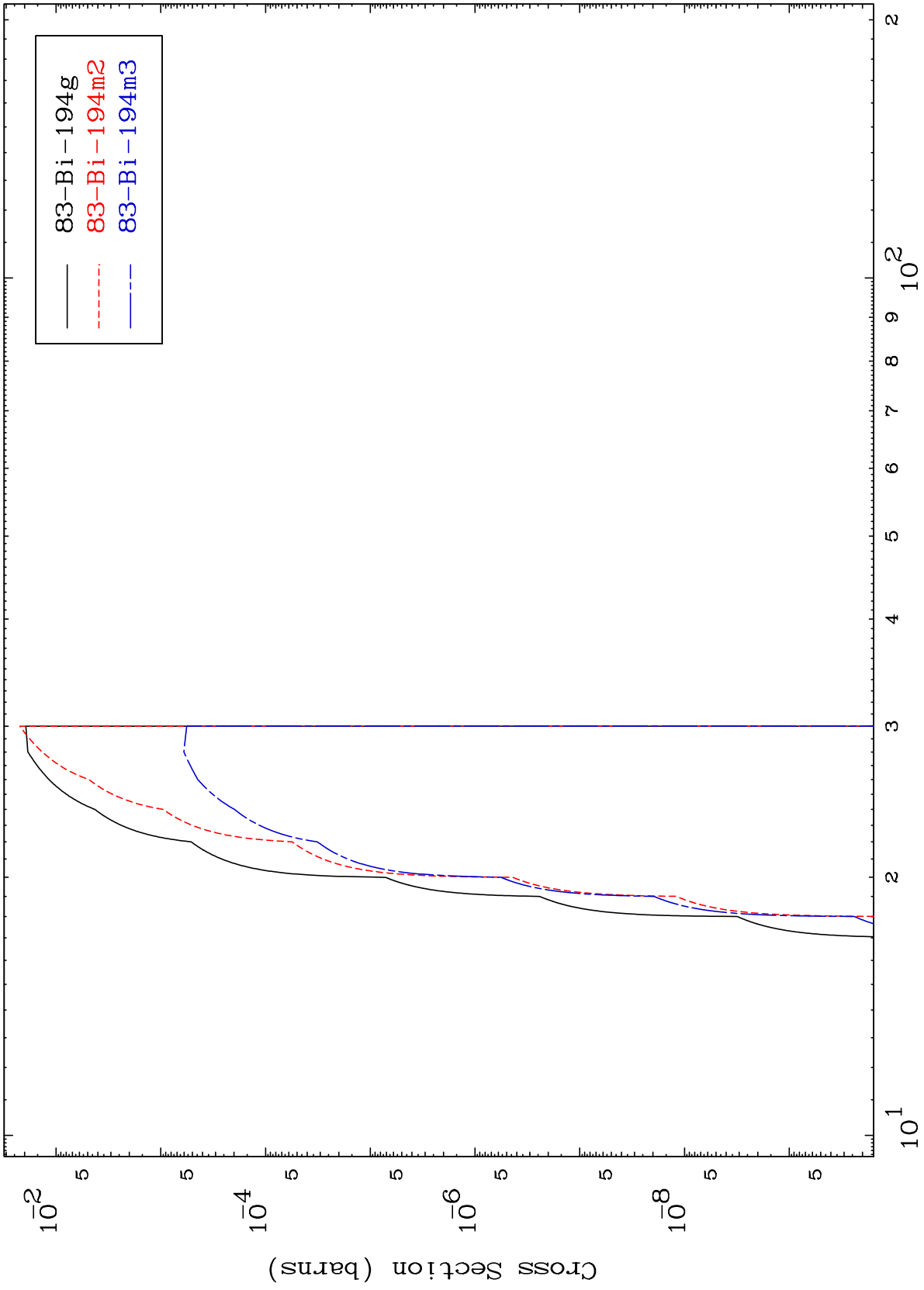
Incident Energy (MeV)

83-Bi-192

MAT 8274

83-Bi-192

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



83-Bi-192

Incident Energy (MeV)

10¹

10²

20

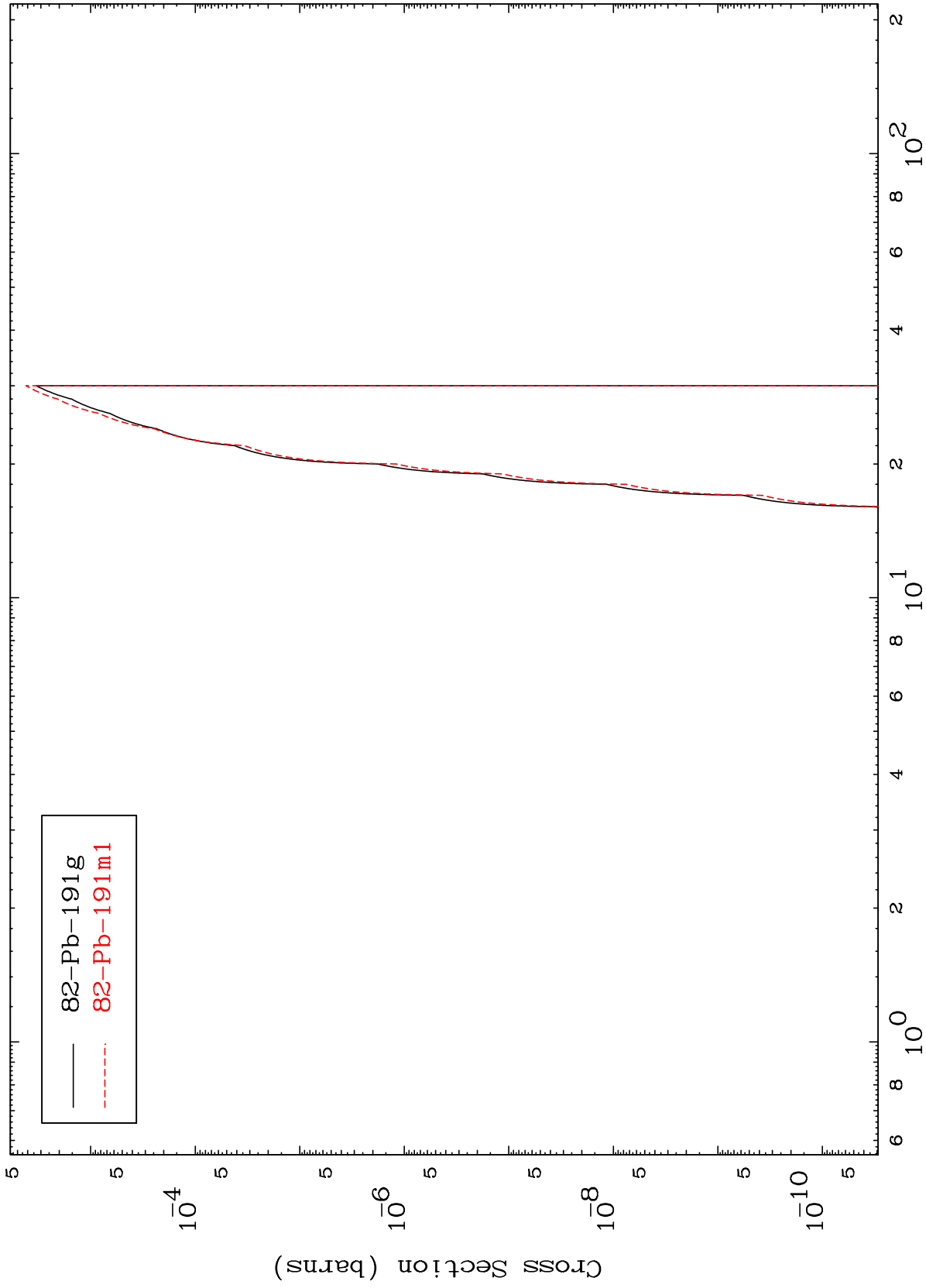
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MAT 8274

(α, p) α

83-Bi-192

Radionuclide Production Cross Section



21

Incident Energy (MeV)

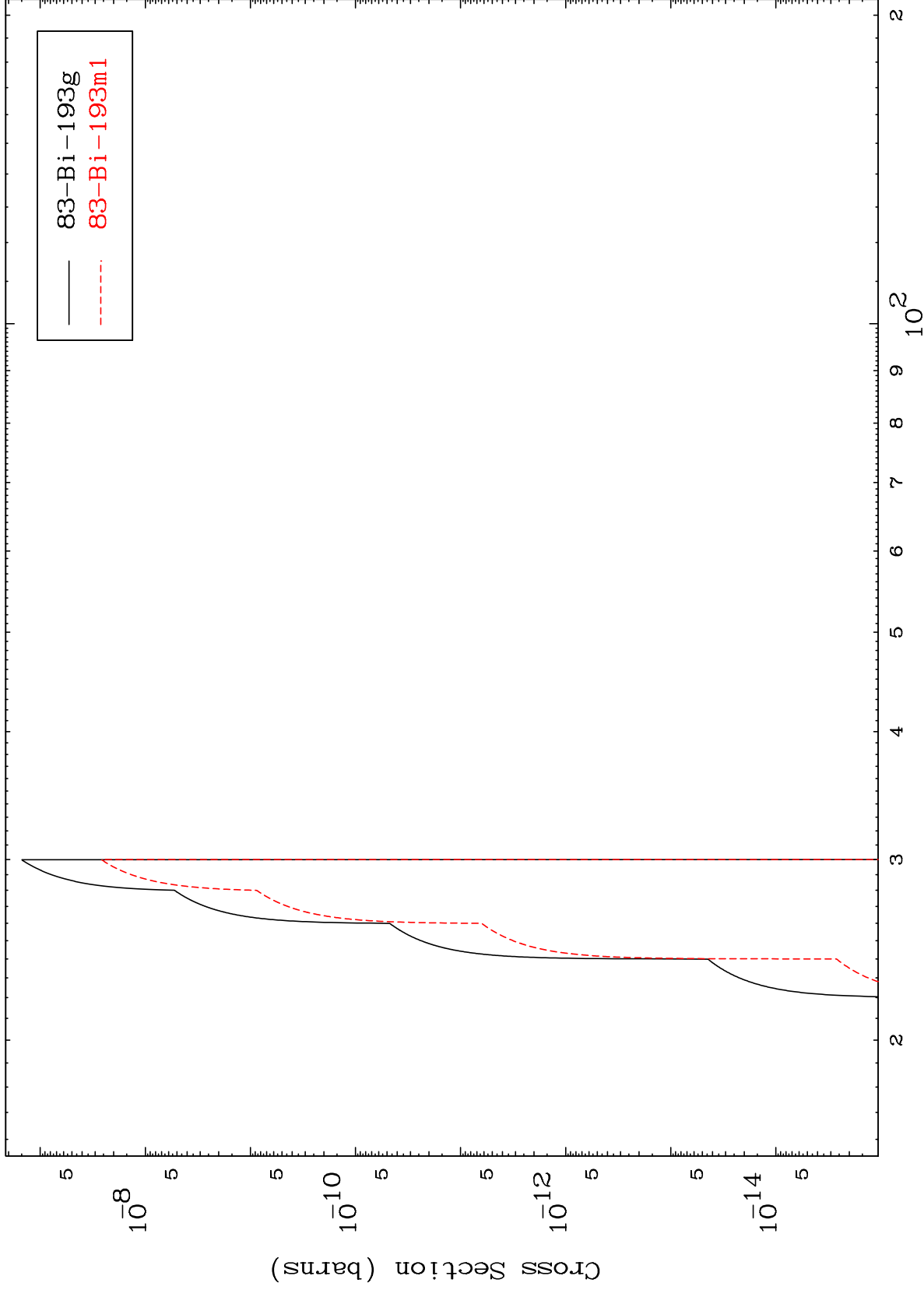
83-Bi-192

MAT 8274

(α, p) d

$^{83}\text{Bi}-192$

Radionuclide Production Cross Section



22

Incident Energy (MeV)

$^{83}\text{Bi}-192$