

Program EVALPLOT
(Version 2018-1)

by

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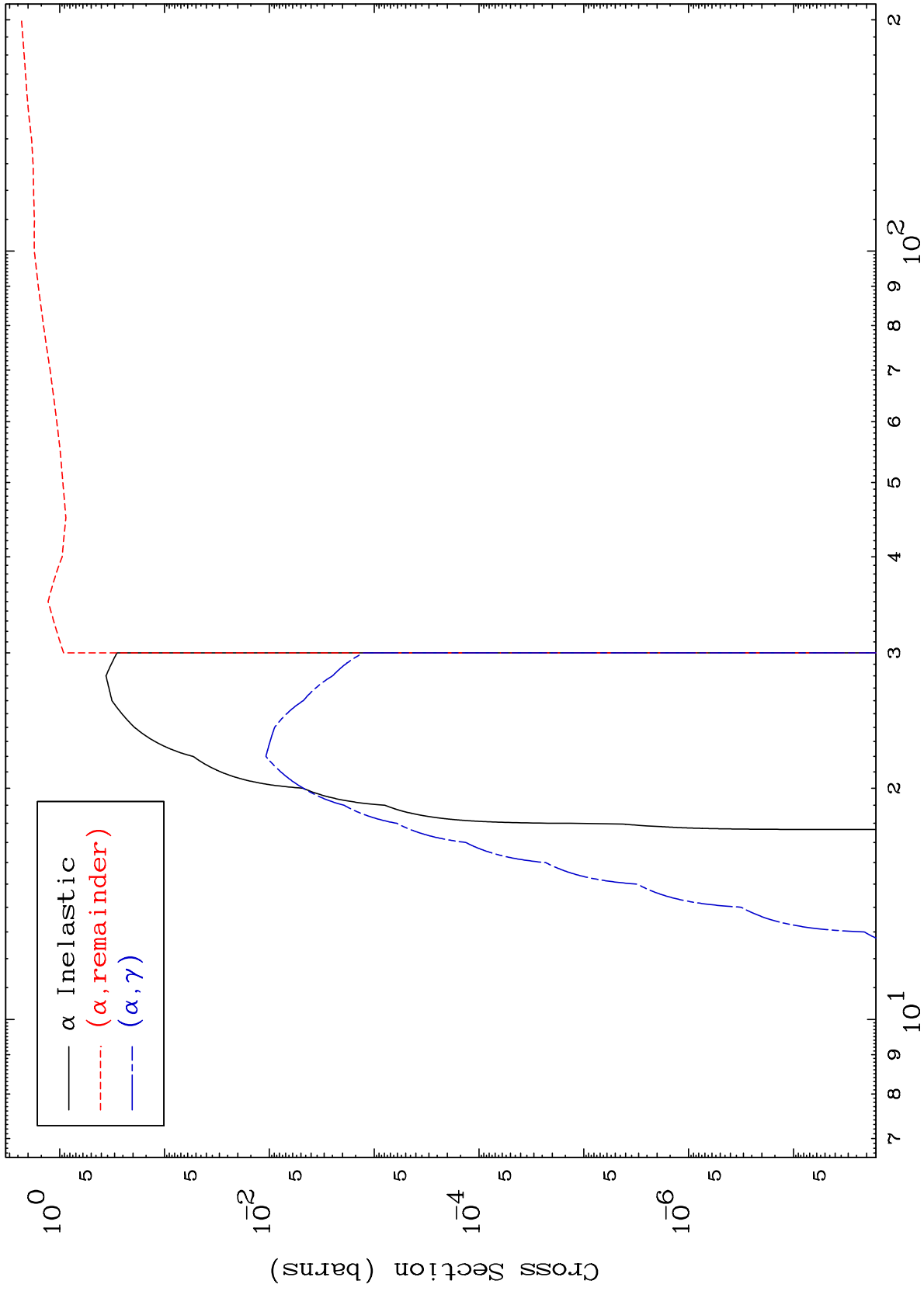
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8278

0 Kelvin α Major
Cross Sections

83-Bi-193



1

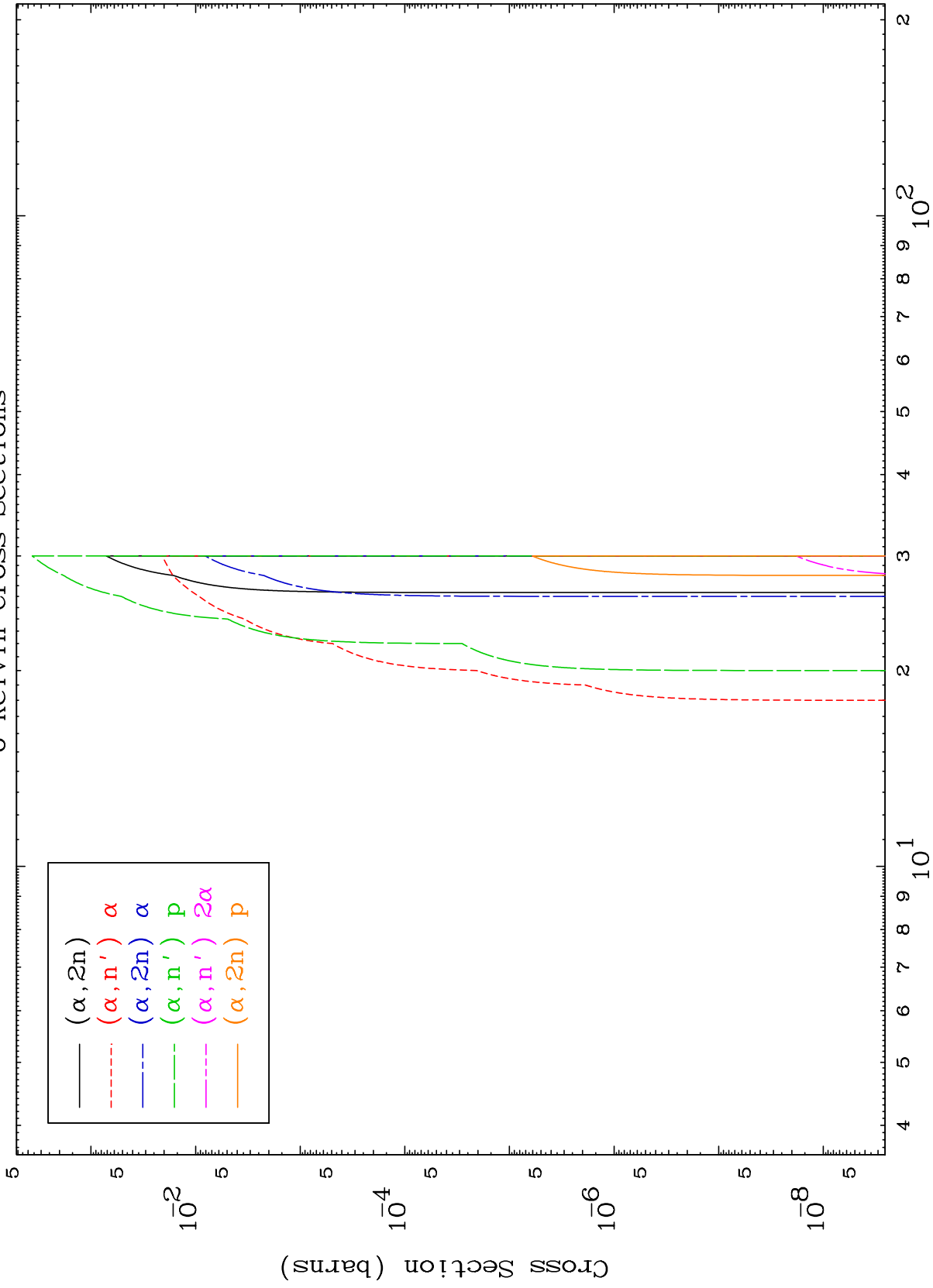
Incident Energy (MeV)

83-Bi-193

MAT 8278

α Neutron Production
0 Kelvin Cross Sections

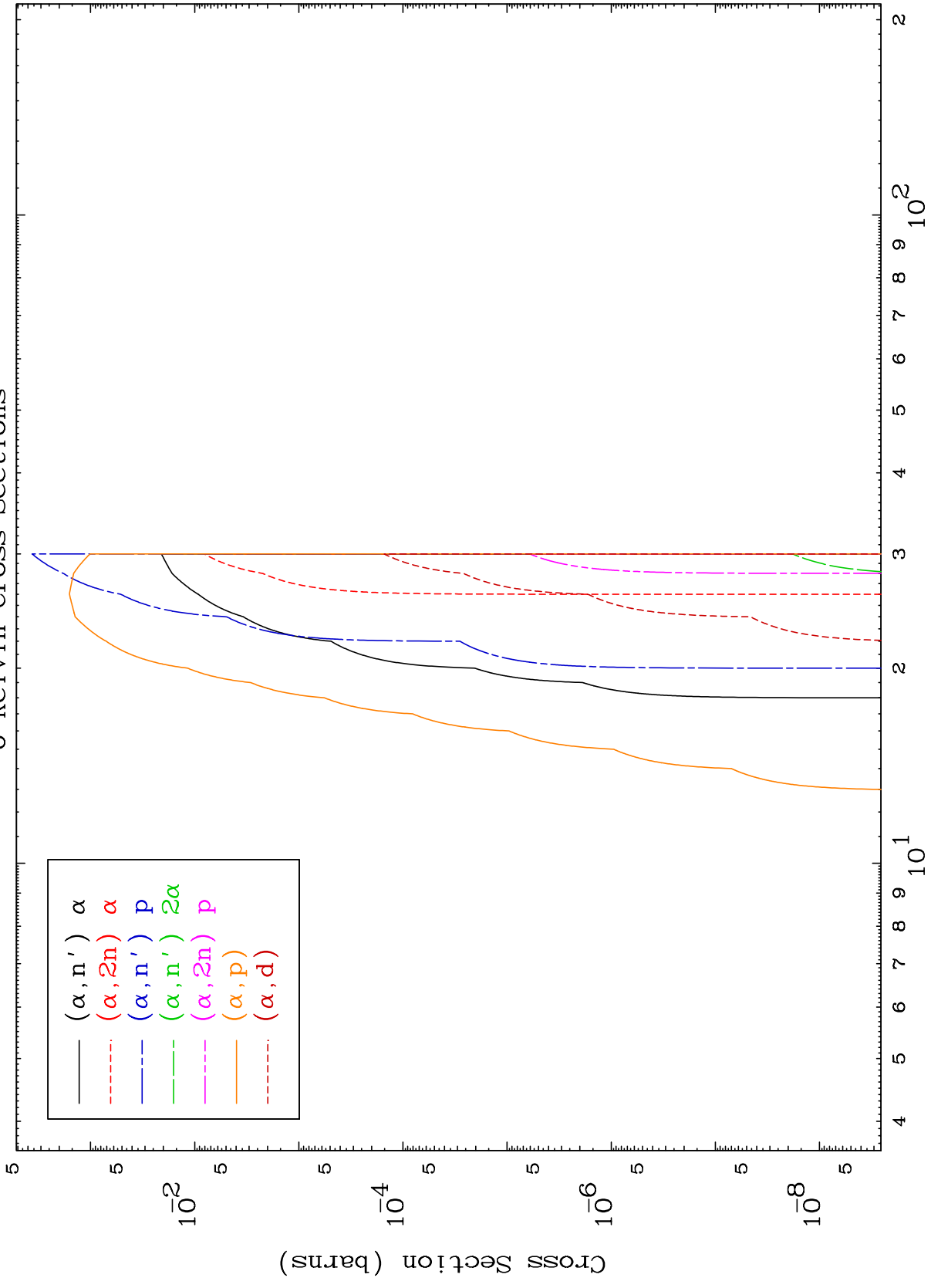
83-Bi-193



2

Incident Energy (MeV)

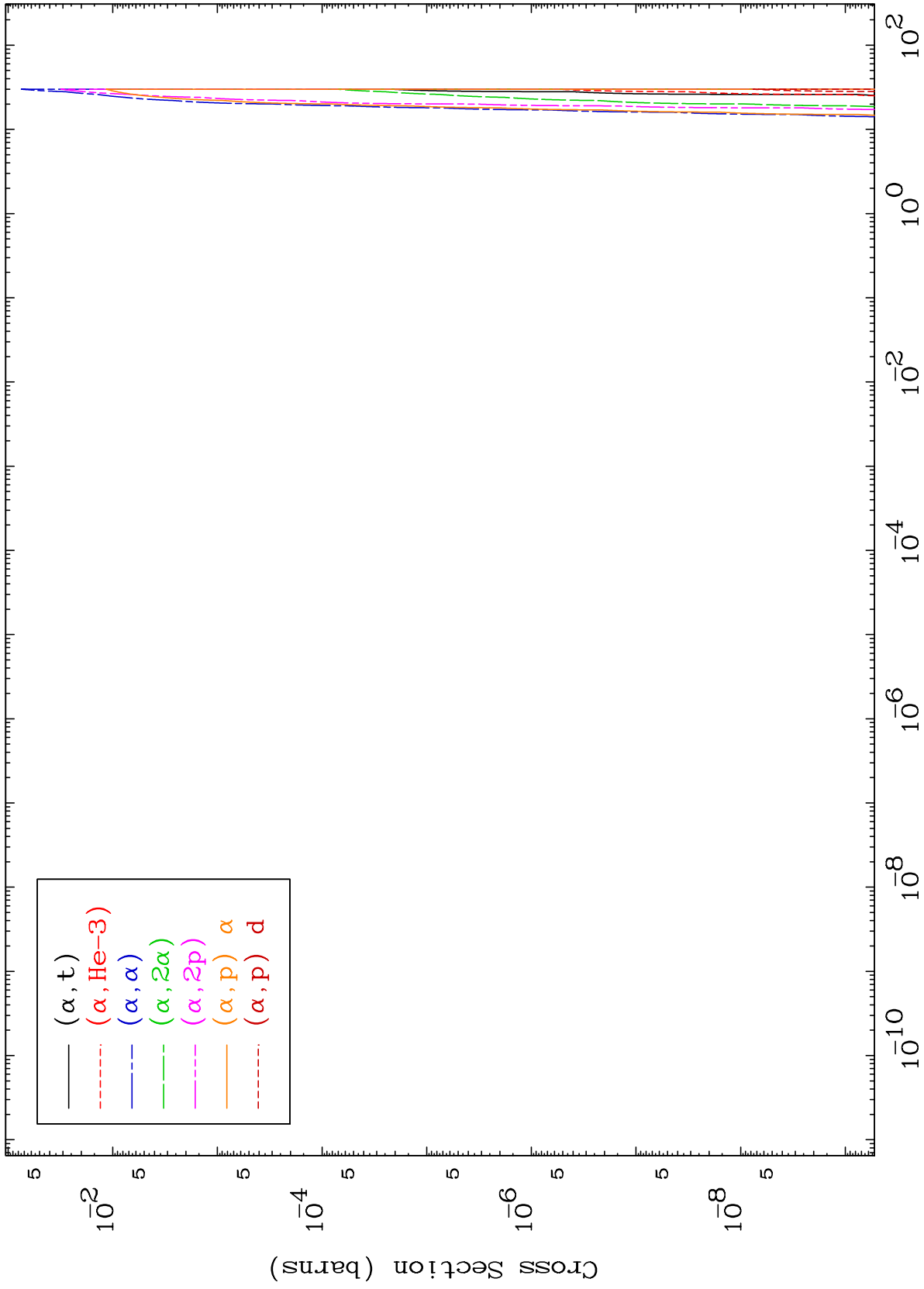
83-Bi-193



MAT 8278

α Charged Particle
0 Kelvin Cross Sections

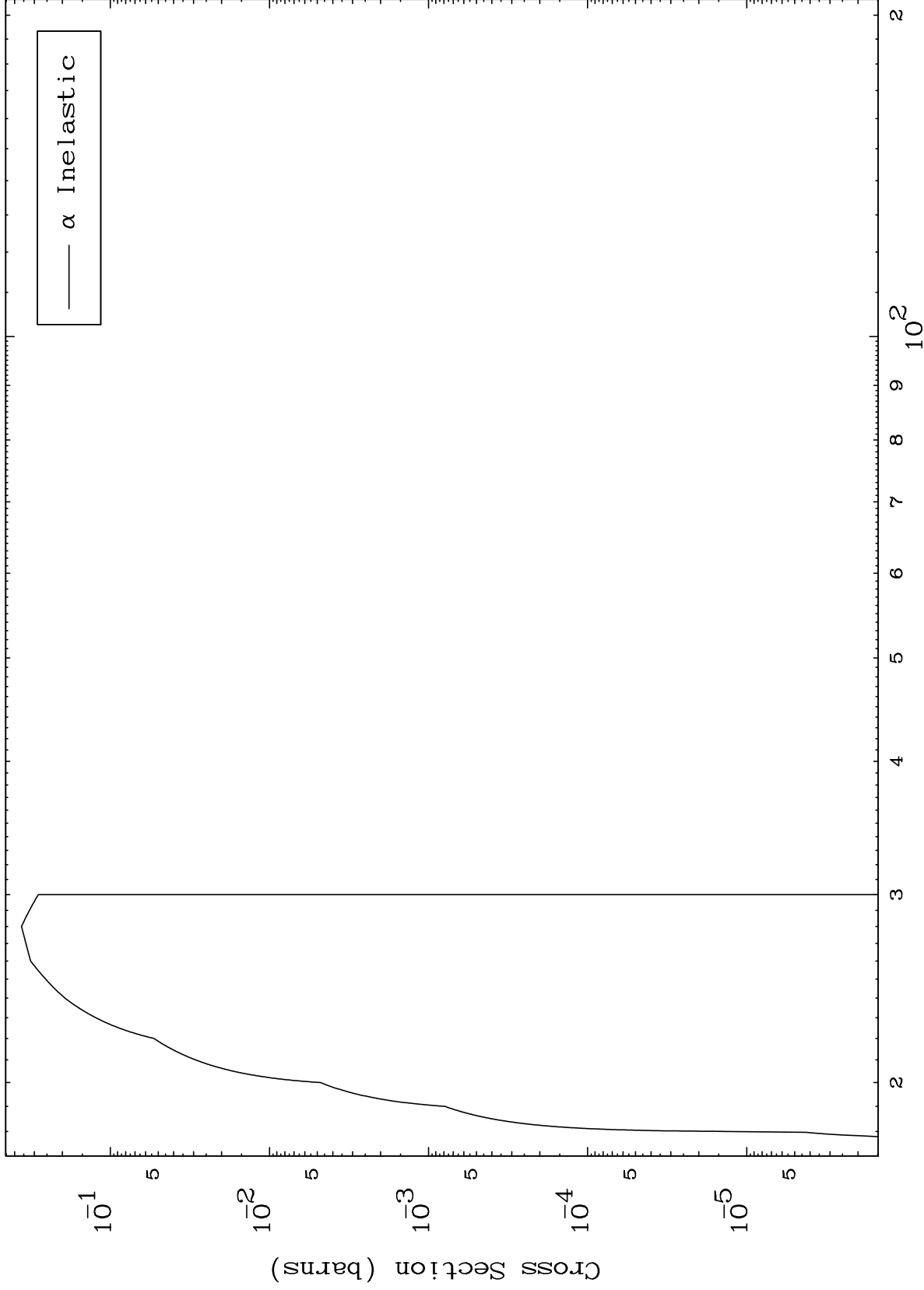
83-Bi-193



MAT 8278

(α, n') Level
0 Kelvin Cross Sections

83-Bi-193



5

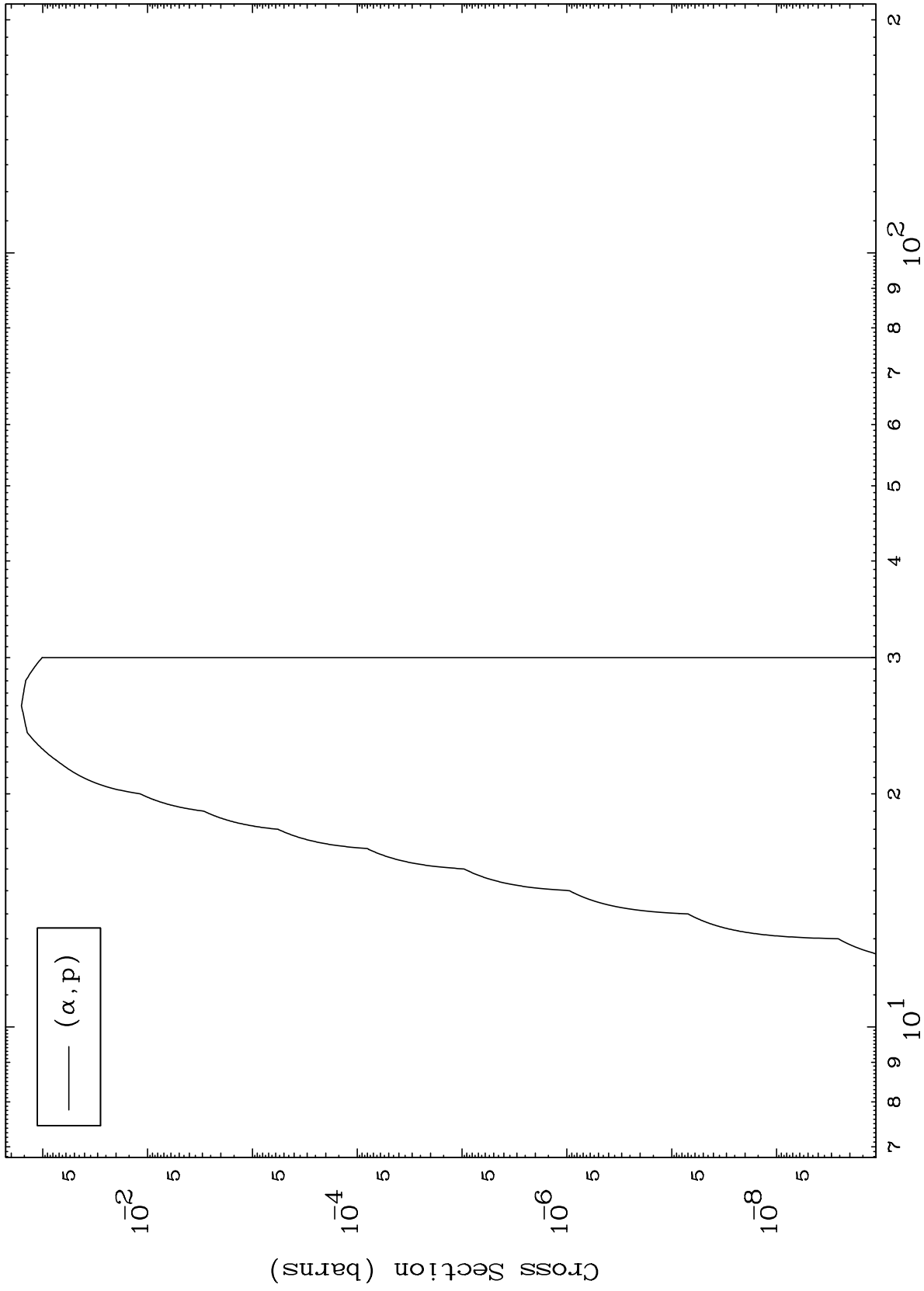
Incident Energy (MeV)

83-Bi-193

MAT 8278

(α, p) Levels
0 Kelvin Cross Sections

83-Bi-193



6

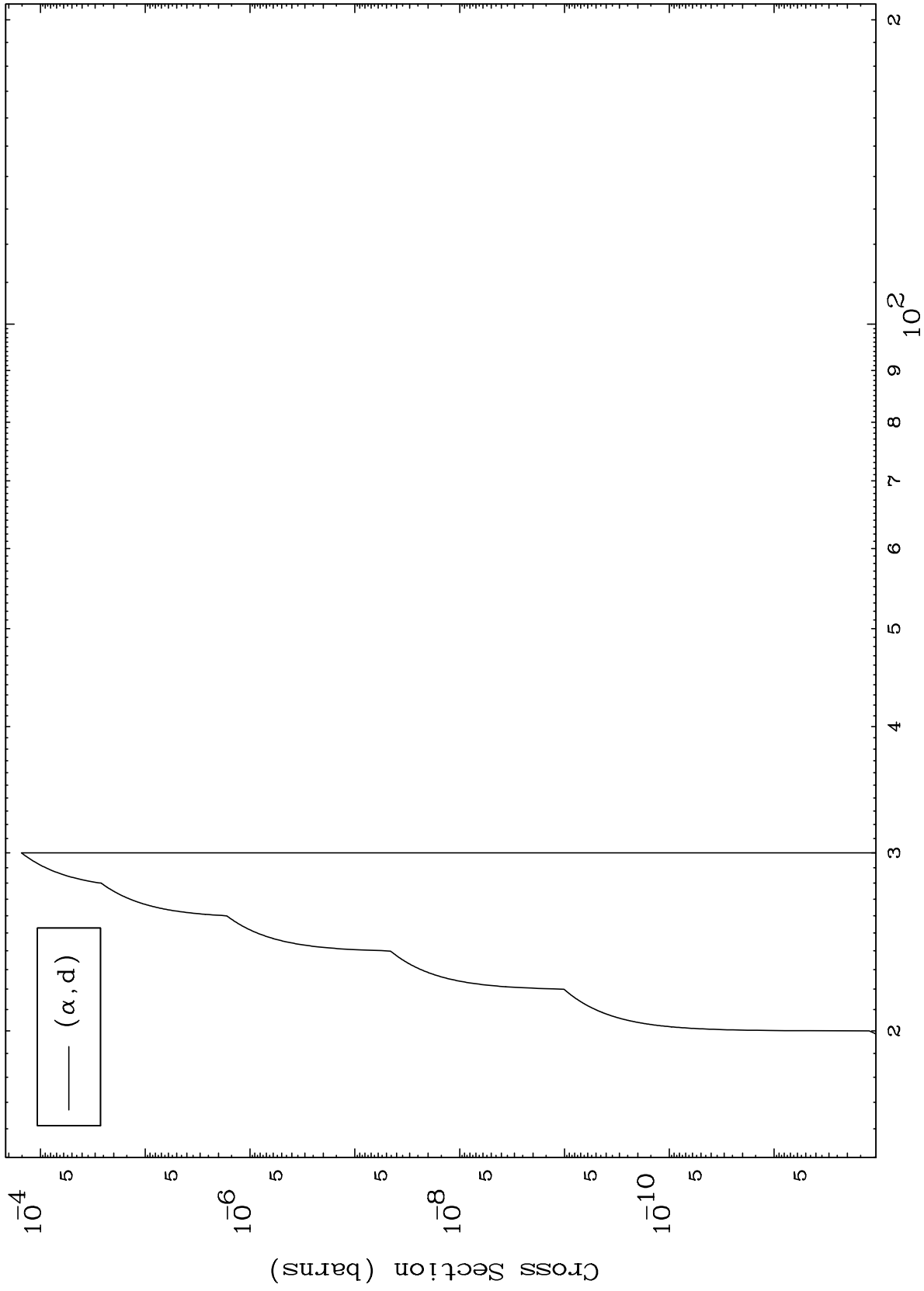
Incident Energy (MeV)

83-Bi-193

MAT 8278

(α, d) Levels
0 Kelvin Cross Sections

83-Bi-193



7

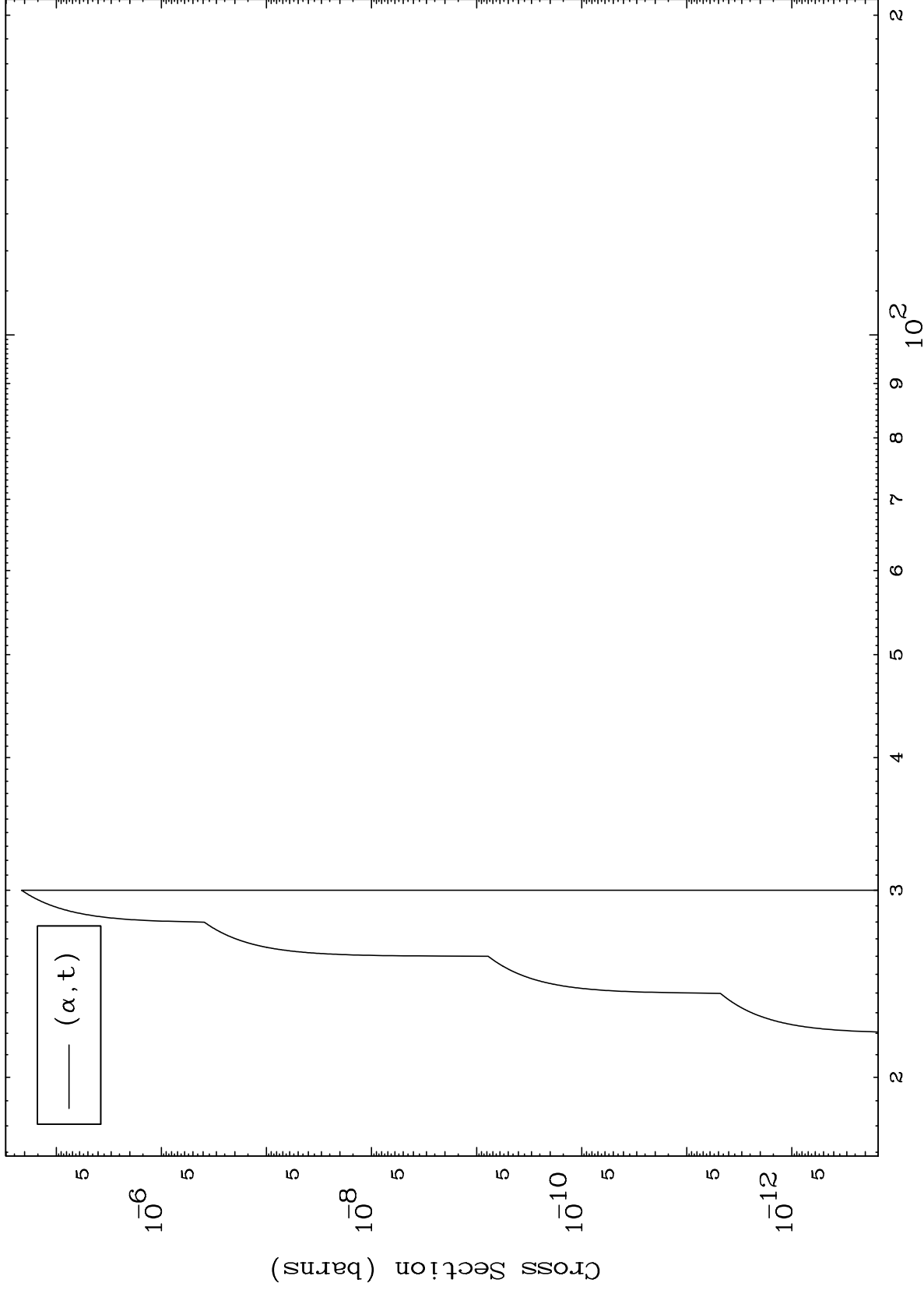
Incident Energy (MeV)

83-Bi-193

MAT 8278

(α, t) Levels
0 Kelvin Cross Sections

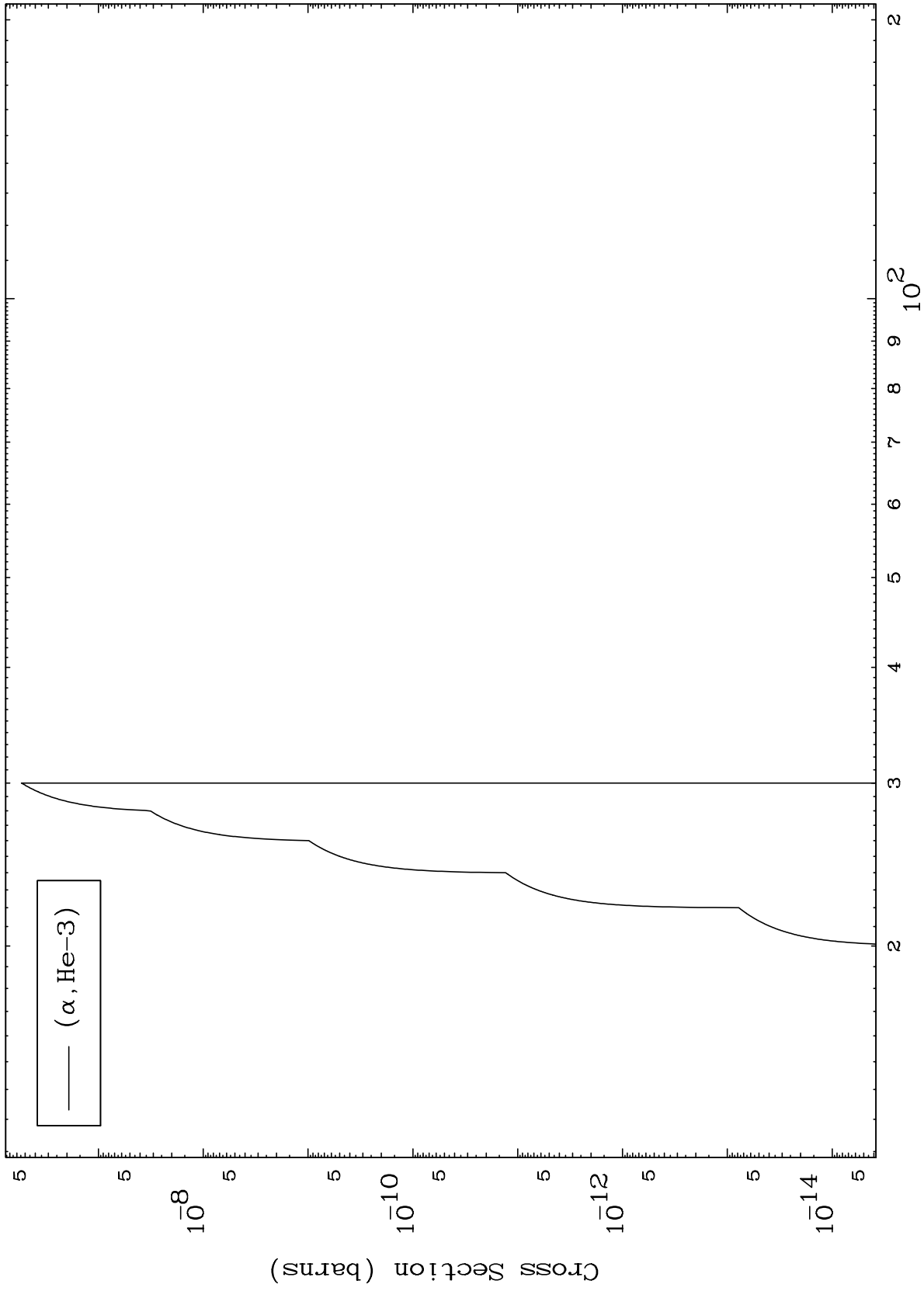
83-Bi-193



8

Incident Energy (MeV)

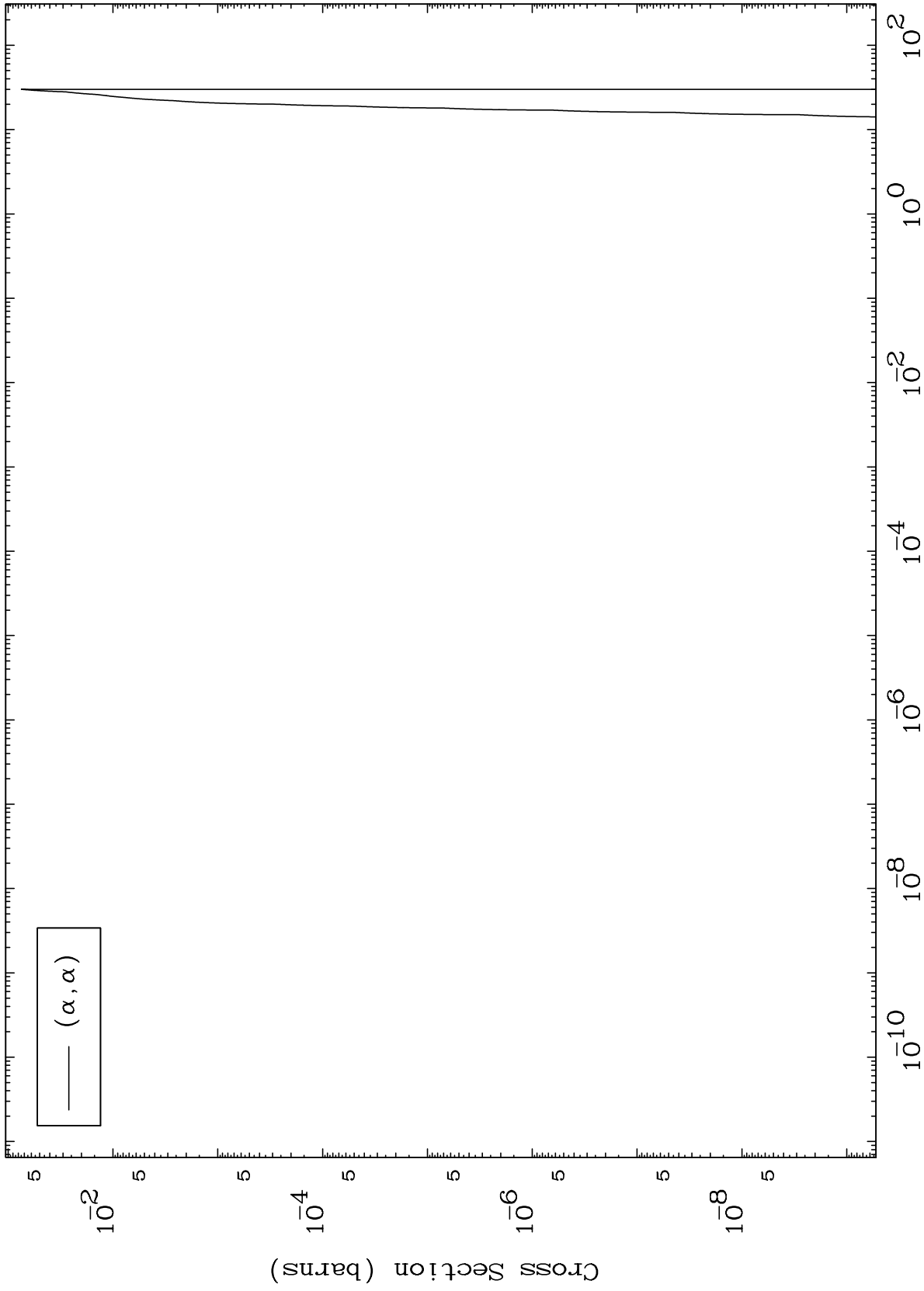
83-Bi-193



MAT 8278

(α, α) Levels
0 Kelvin Cross Sections

83-Bi-193



10

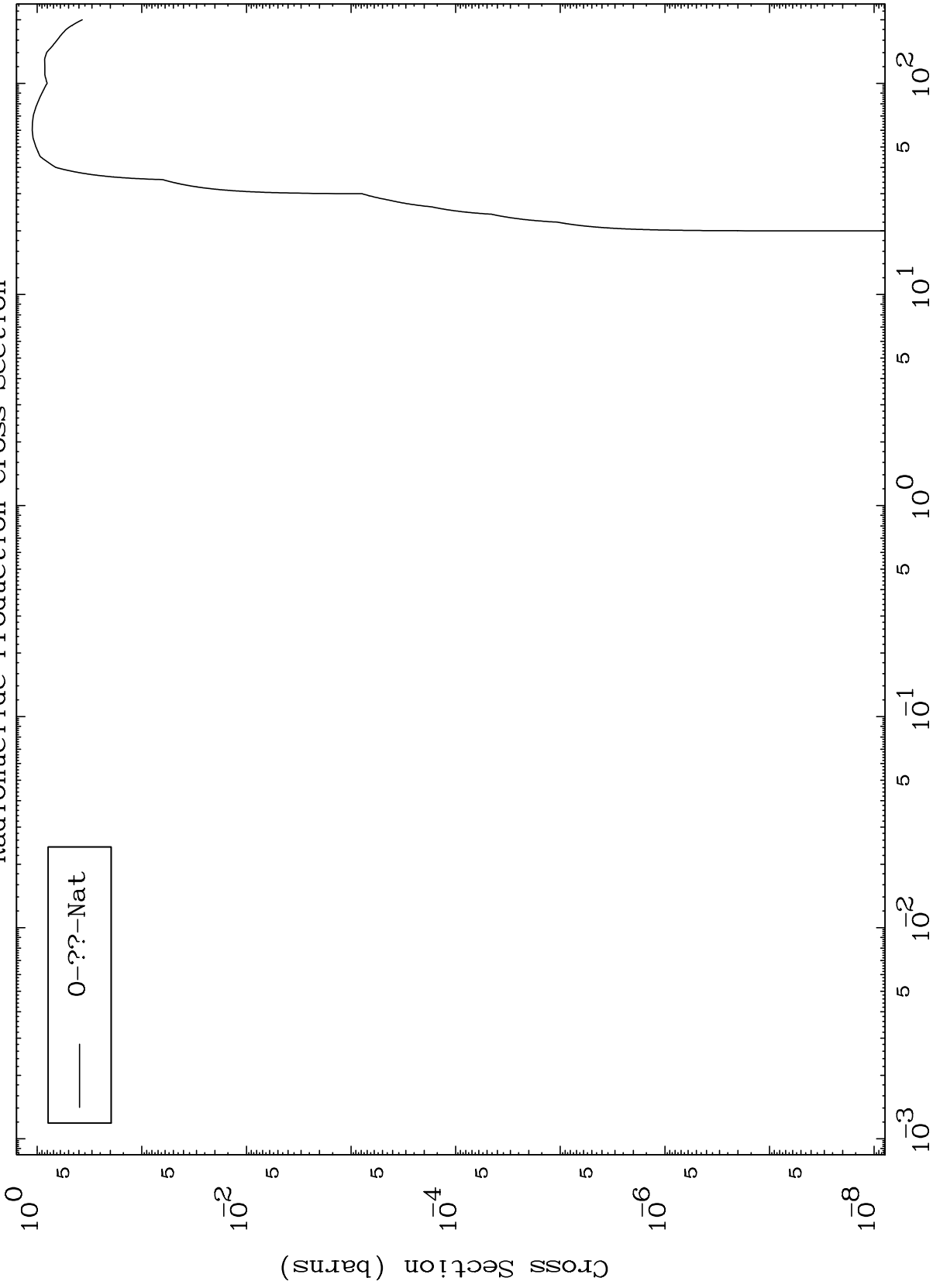
Incident Energy (MeV)

83-Bi-193

MAT 8278

83-Bi-193

α Fission
Radionuclide Production Cross Section



11

Incident Energy (MeV)

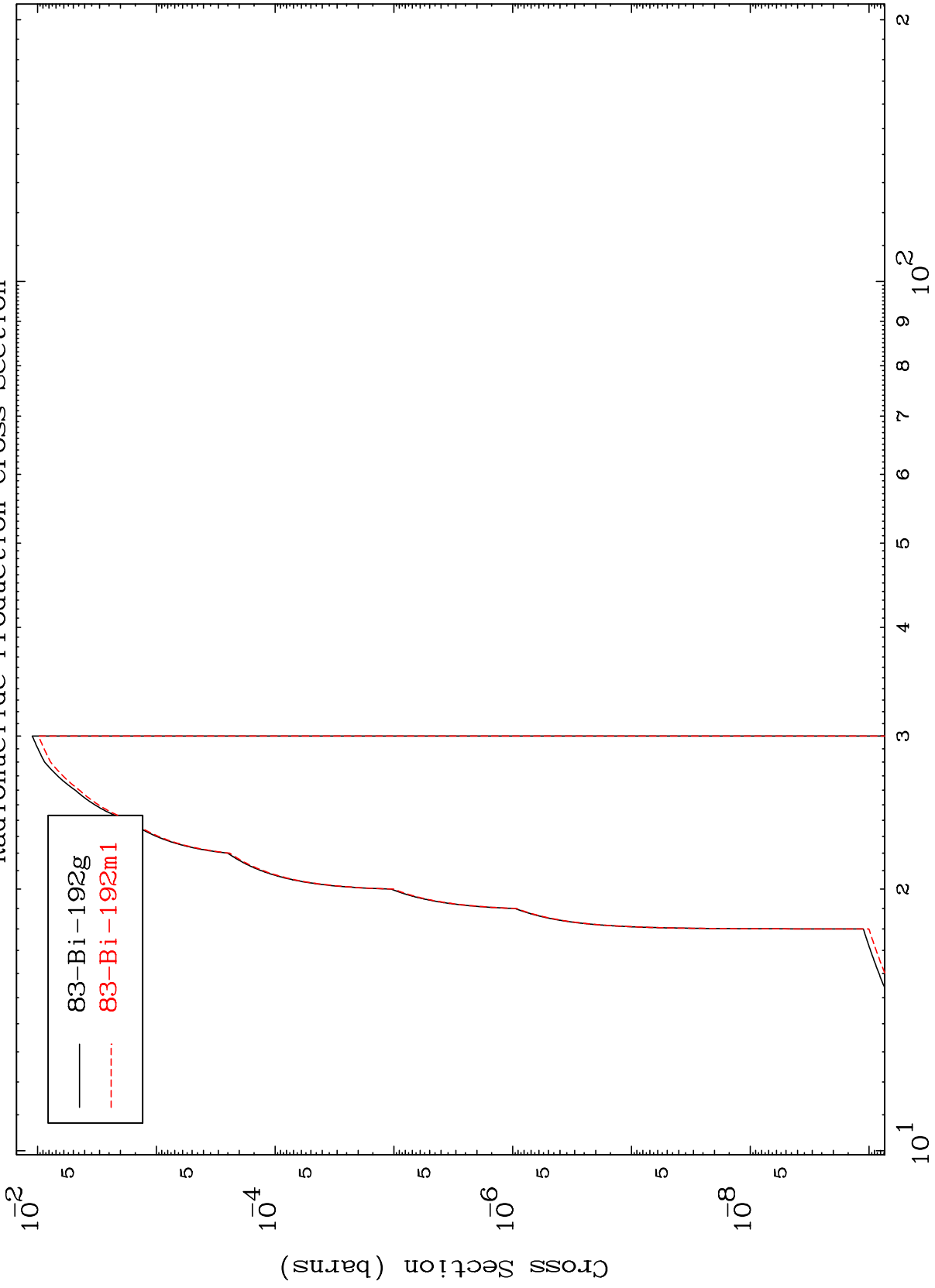
83-Bi-193

MAT 8278

(α, n') α

83-Bi-193

Radionuclide Production Cross Section



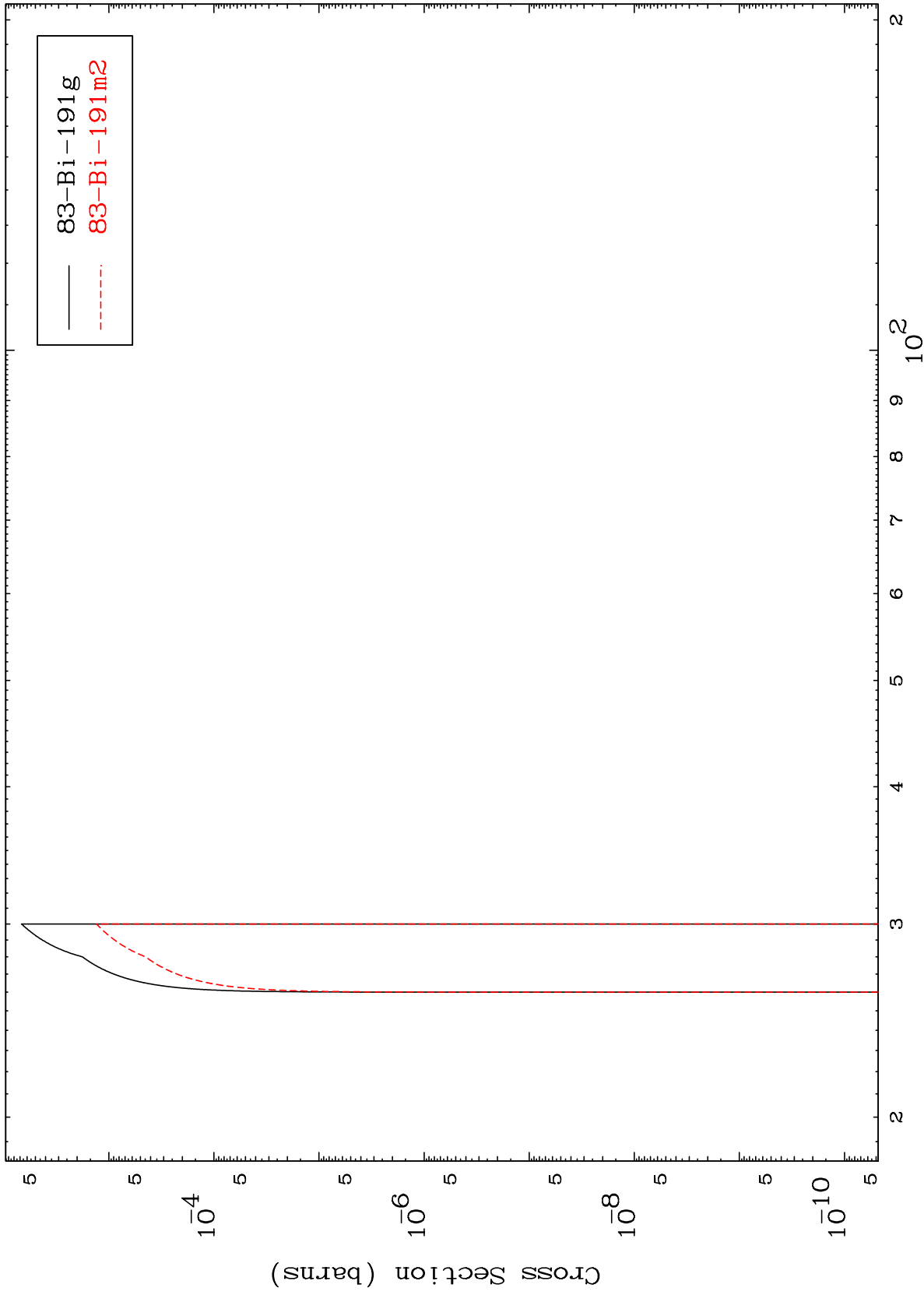
83-Bi-192g
83-Bi-192m1

MAT 8278

$(\alpha, 2n) \alpha$

$^{83}\text{Bi}-193$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

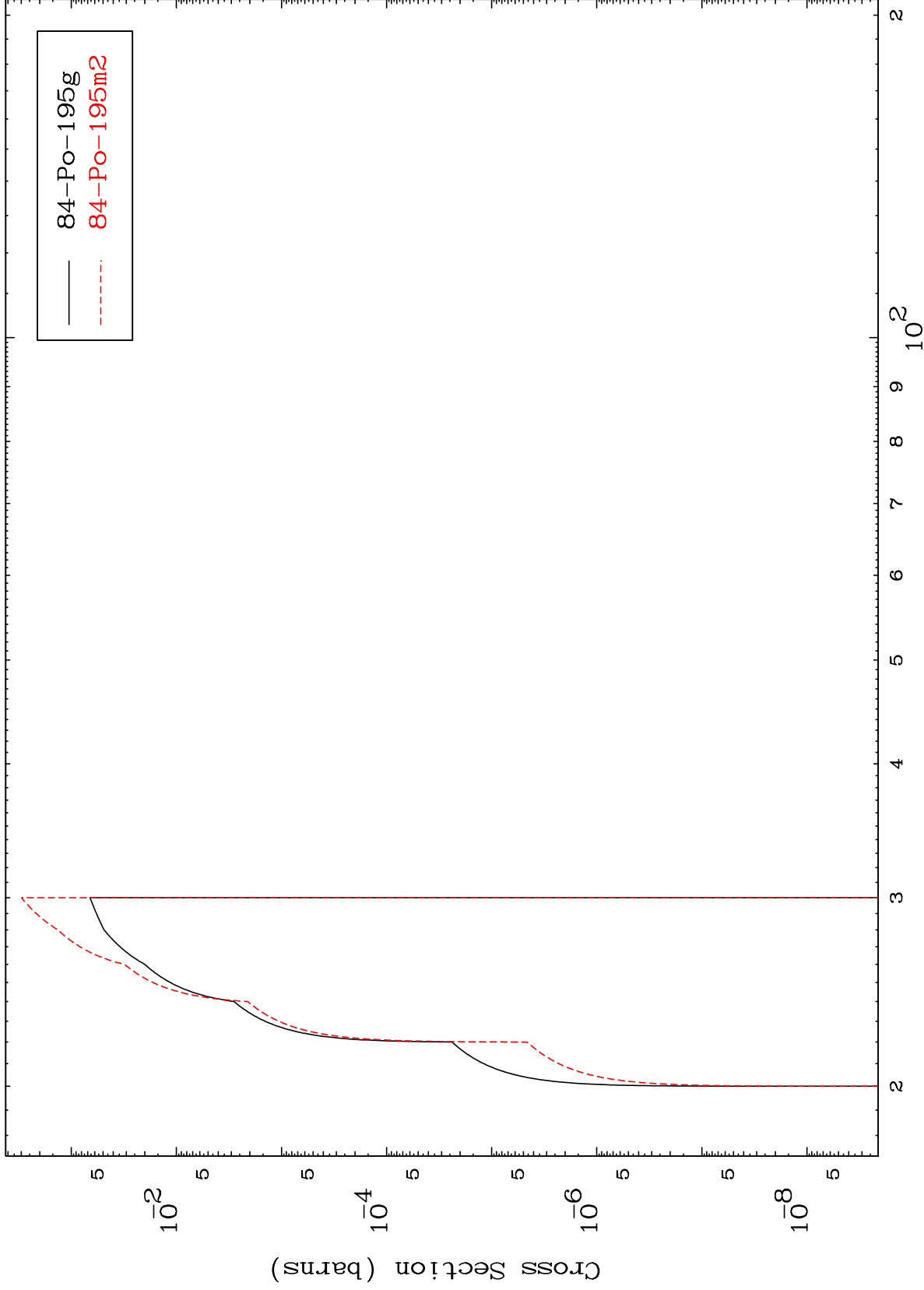
$^{83}\text{Bi}-193$

MAT 8278

(α, n') p

83-Bi-193

Radionuclide Production Cross Section



14

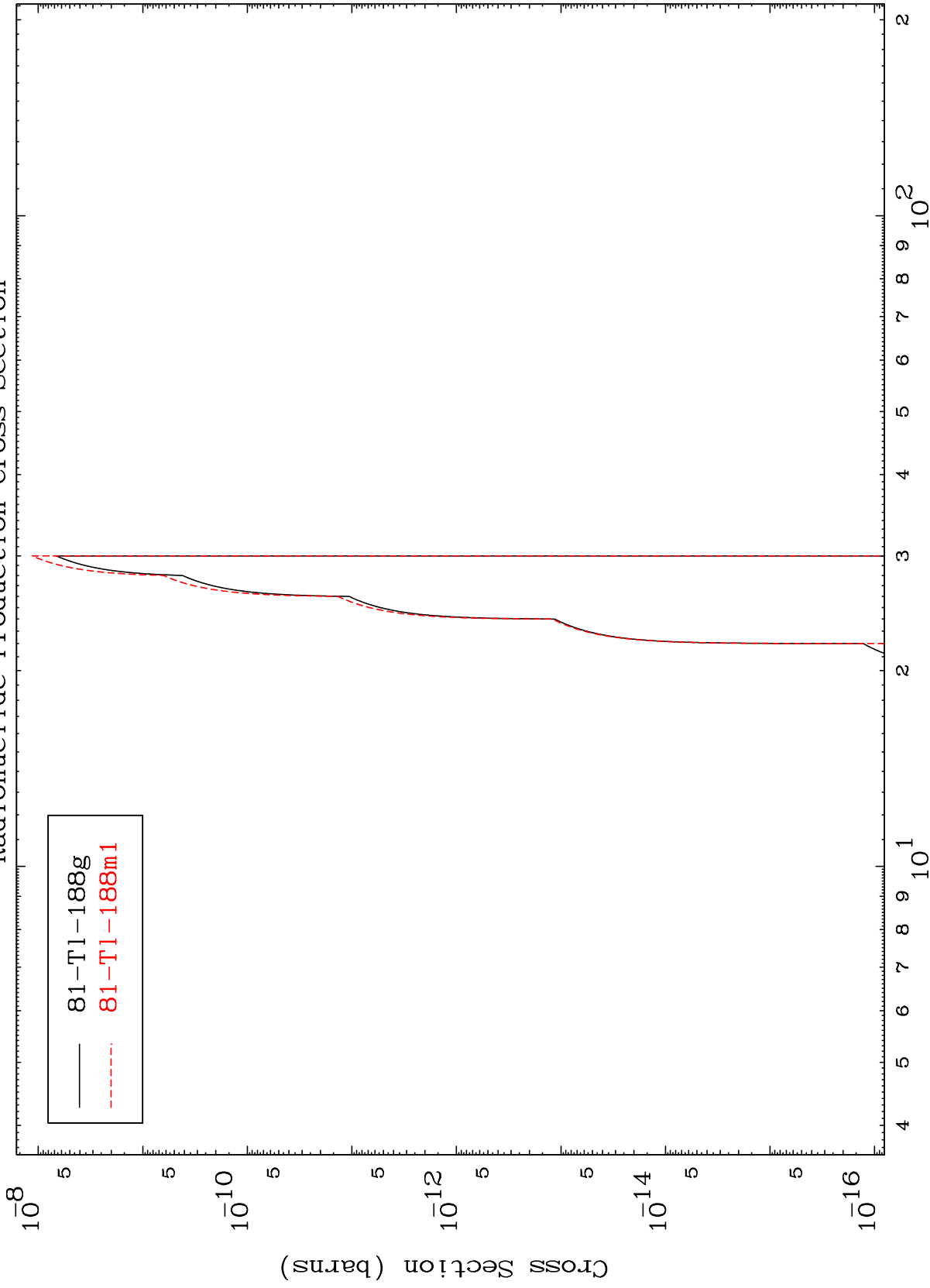
Incident Energy (MeV)

83-Bi-193

MAT 8278

83-Bi-193

(α, n') 2α
Radionuclide Production Cross Section



15

Incident Energy (MeV)

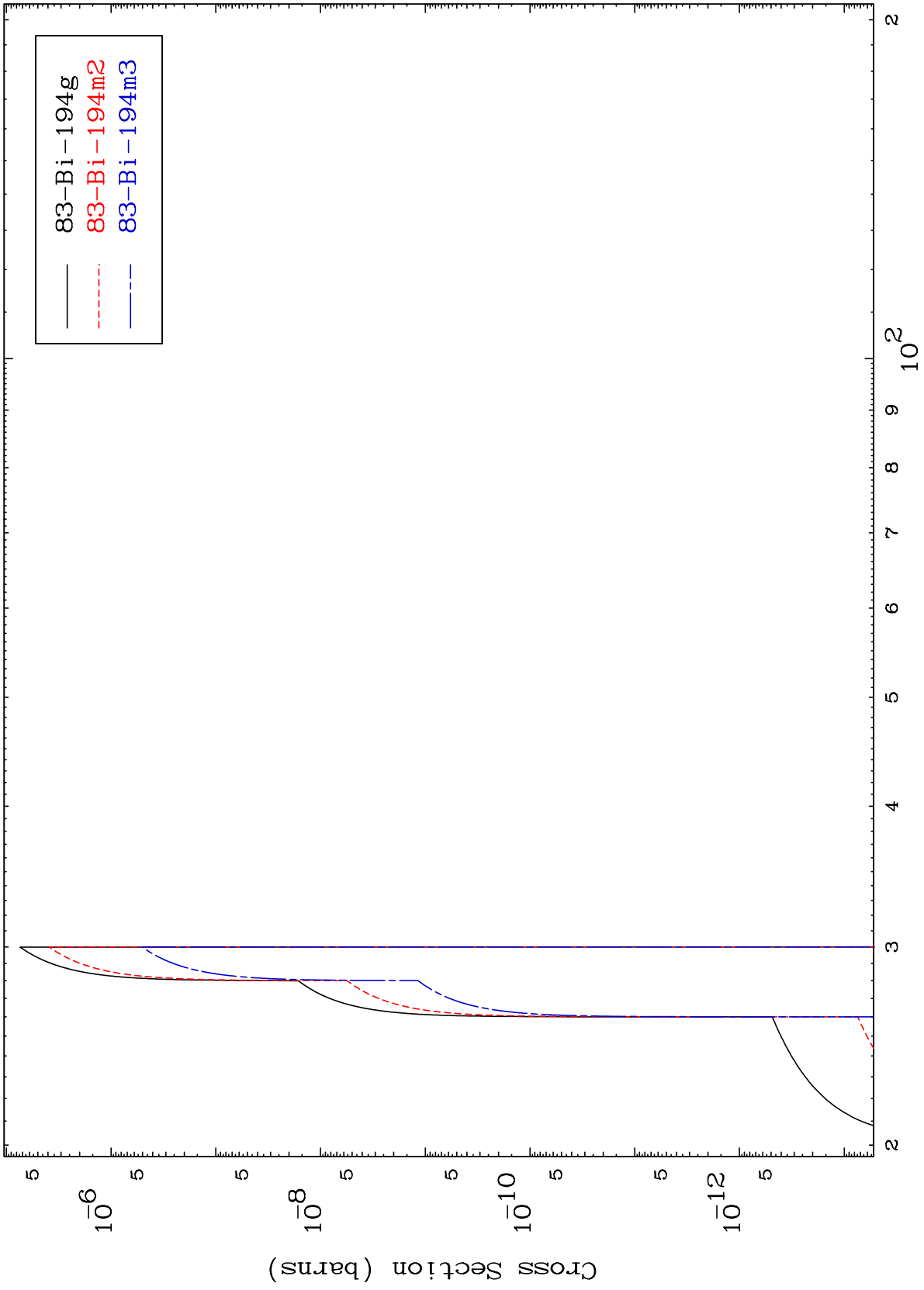
83-Bi-193

MAT 8278

$(\alpha, 2n)$ p

83-Bi-193

Radionuclide Production Cross Section



16

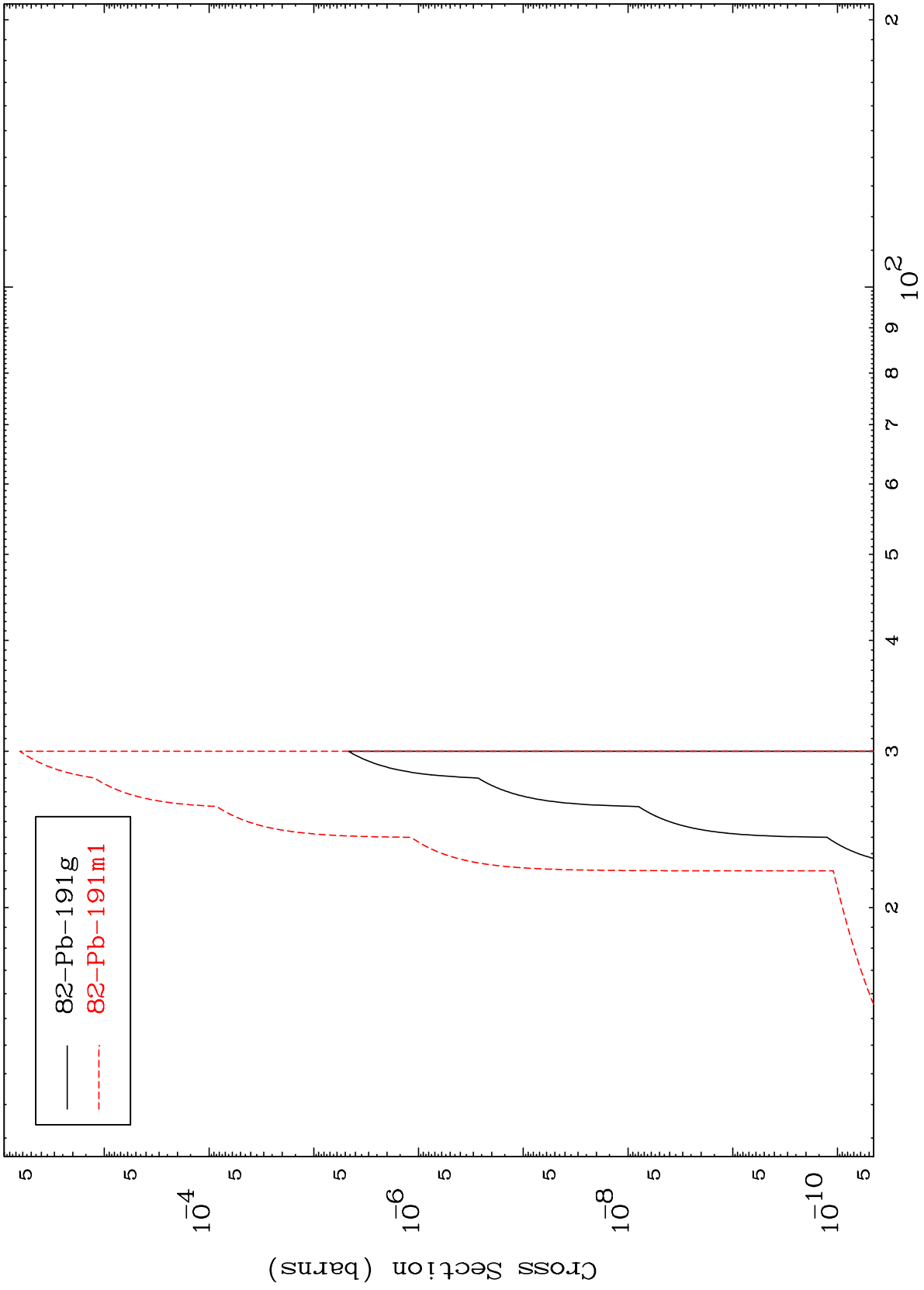
Incident Energy (MeV)

83-Bi-193

MAT 8278

83-Bi-193

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



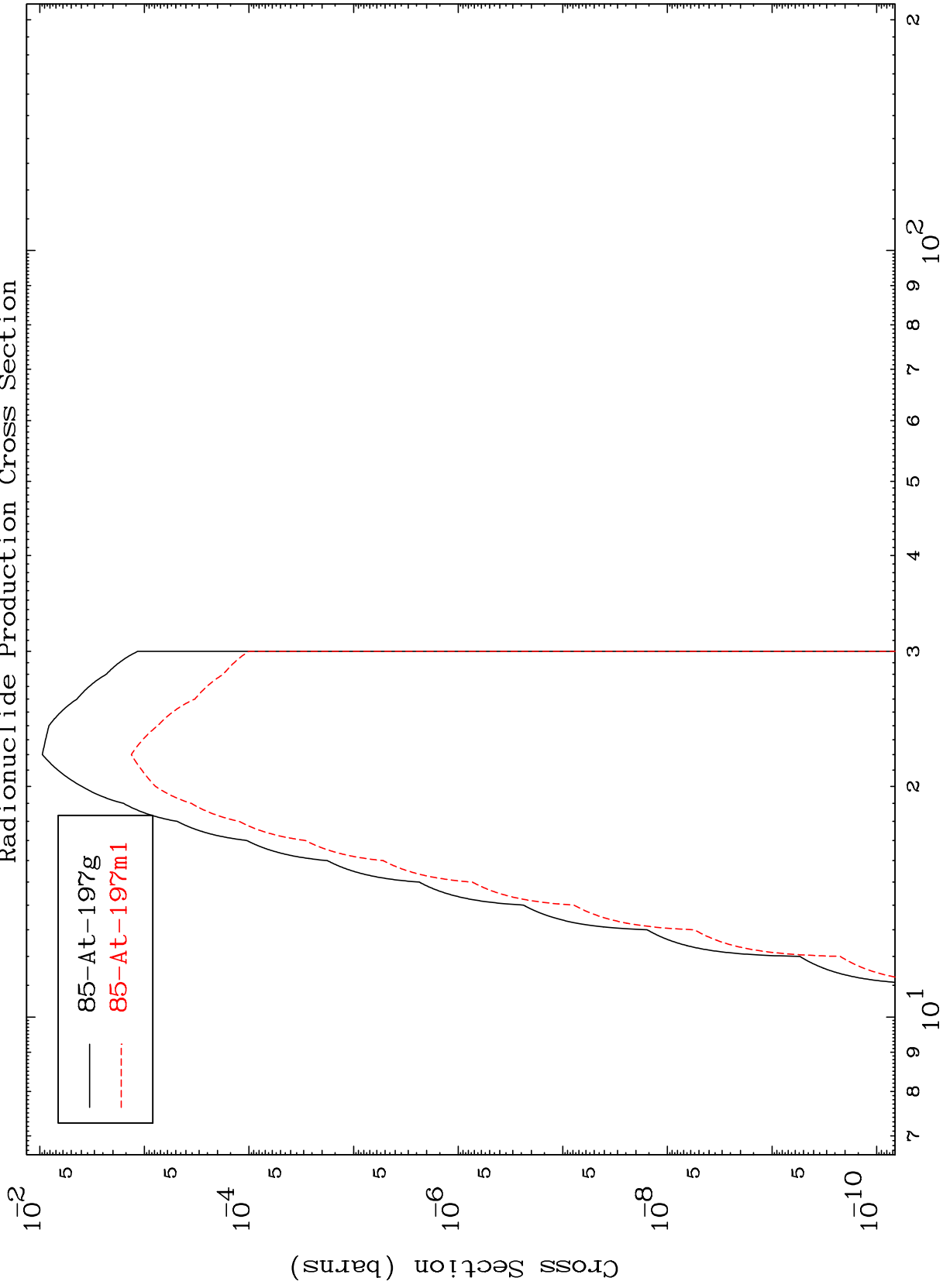
17

83-Bi-193

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83-Bi-193

Radionuclide Production Cross Section
(α, γ)



18

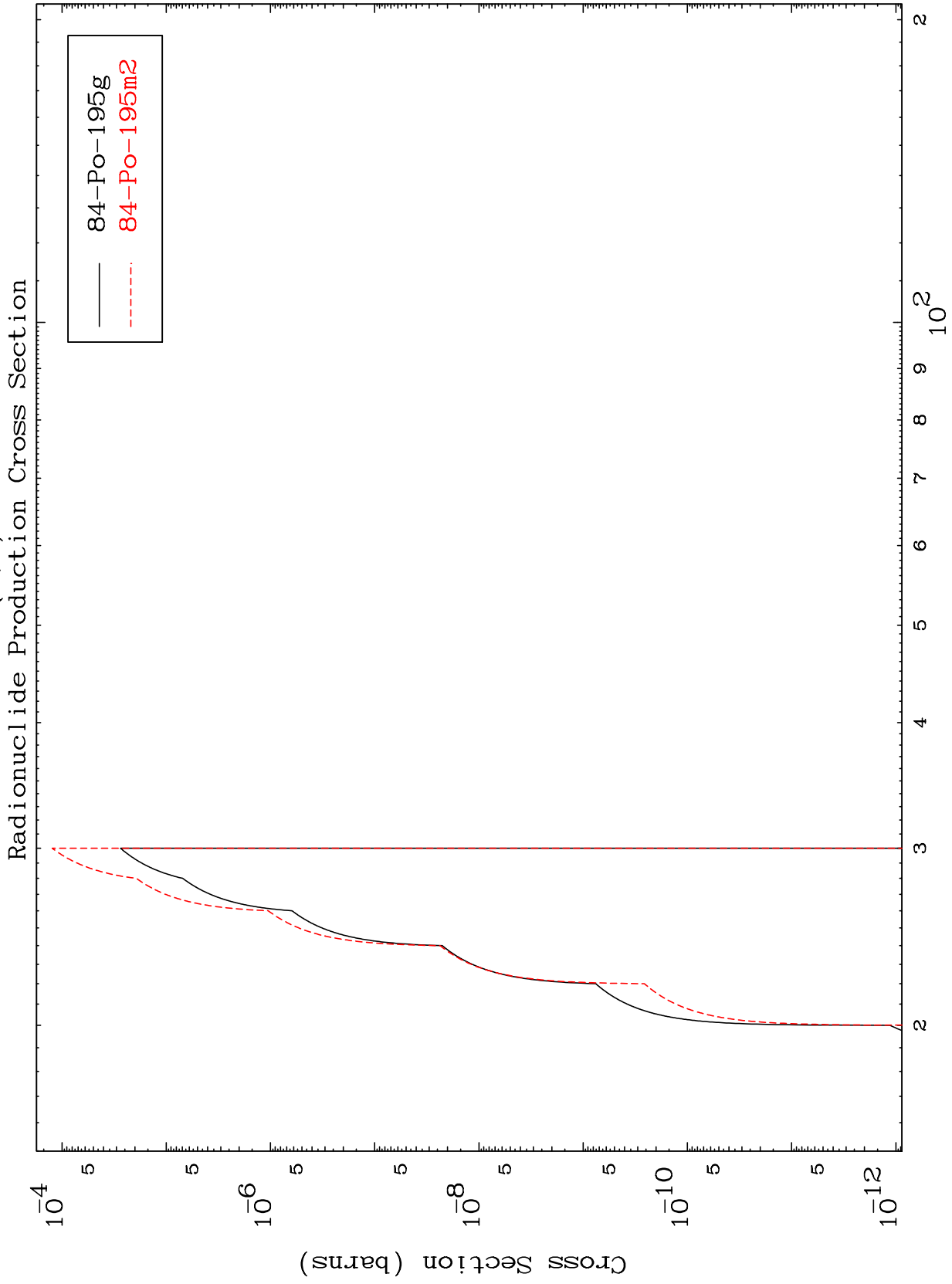
Incident Energy (MeV)

83-Bi-193

MAT 8278

(α, d)

83-Bi-193



19

83-Bi-193

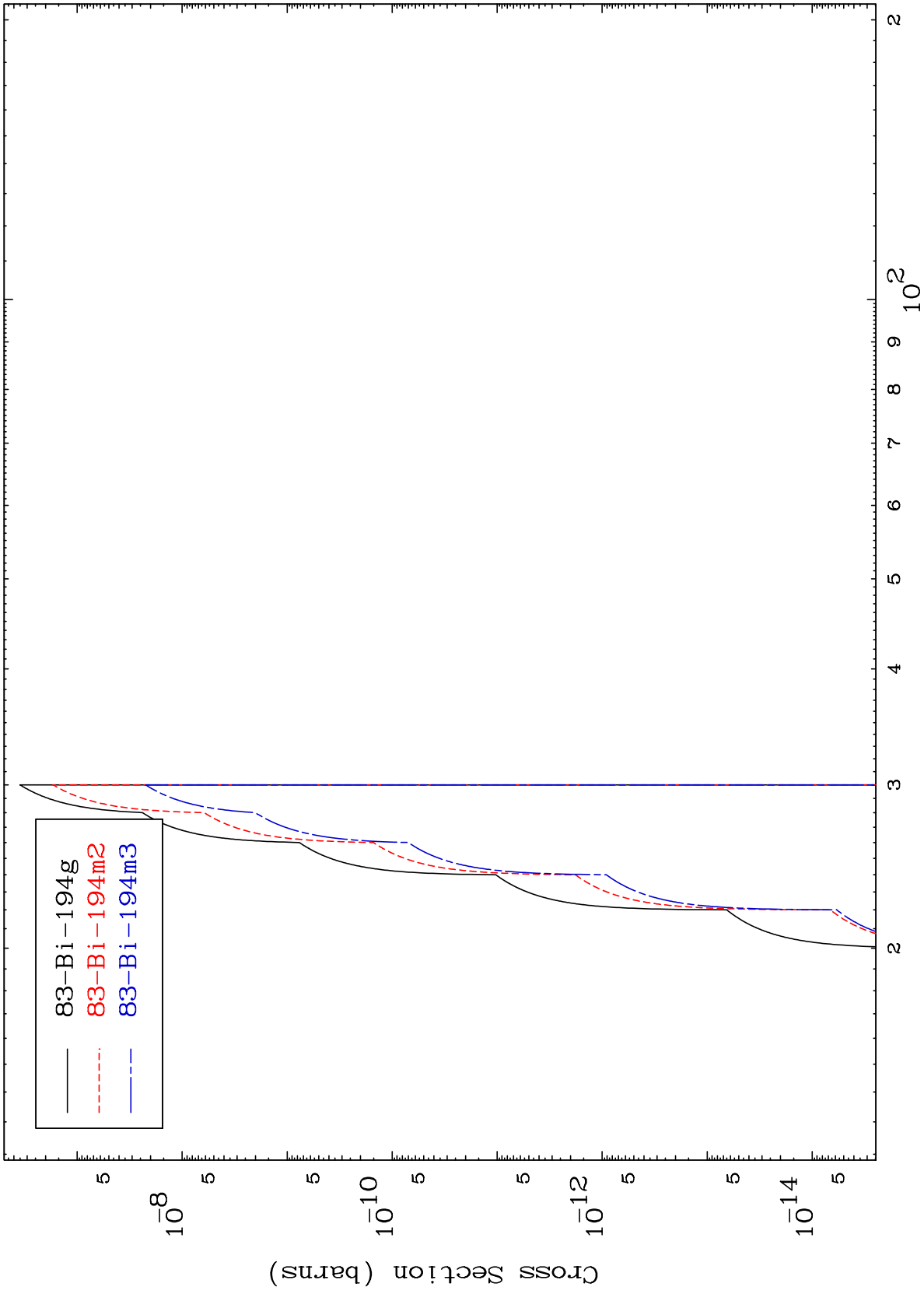
83-Bi-193

MAT 8278

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

83-Bi-193

Radionuclide Production Cross Section



20

Incident Energy (MeV)

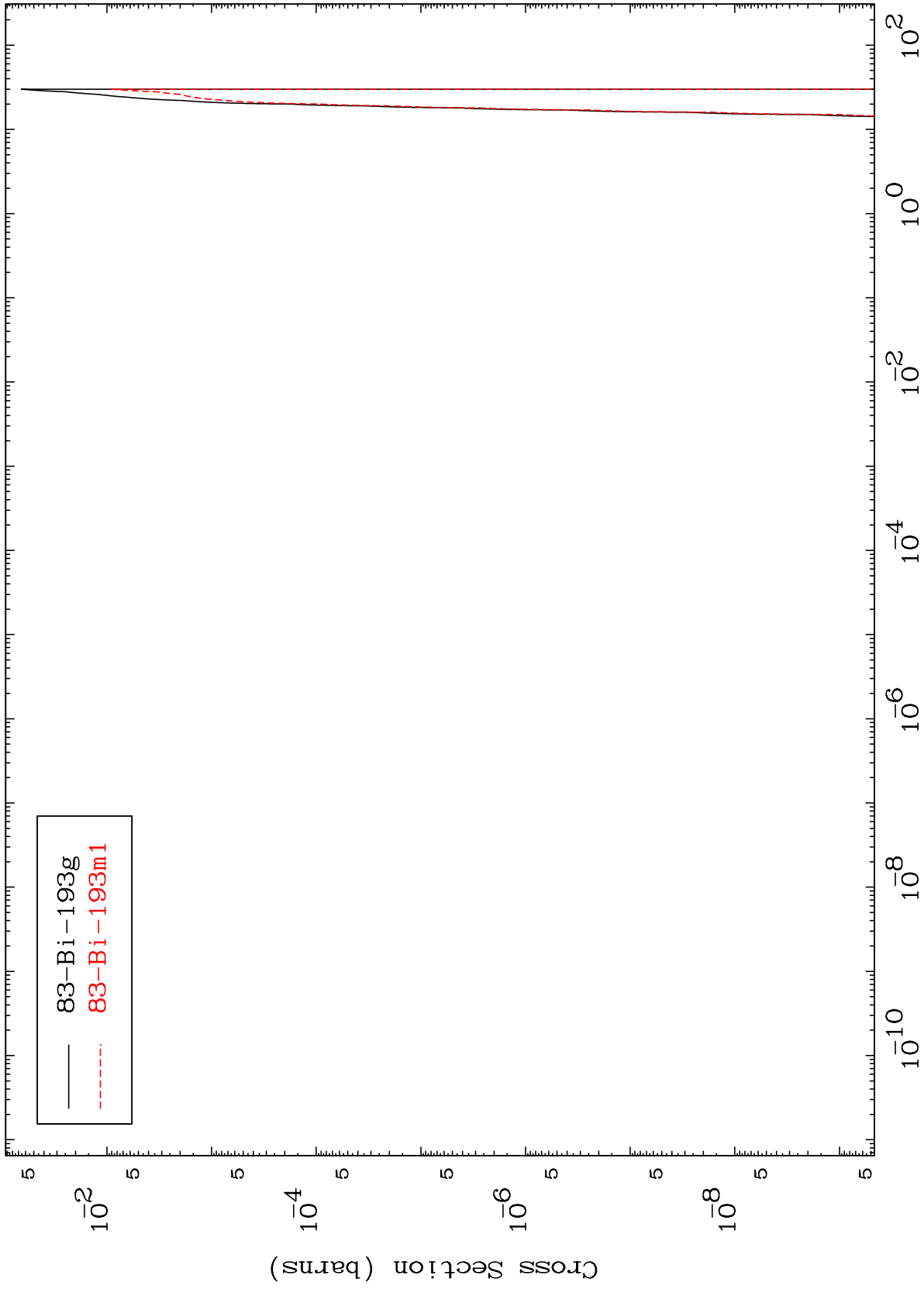
83-Bi-193

MAT 8278

(α, α)

⁸³Bi-193

Radionuclide Production Cross Section



21

Incident Energy (MeV)

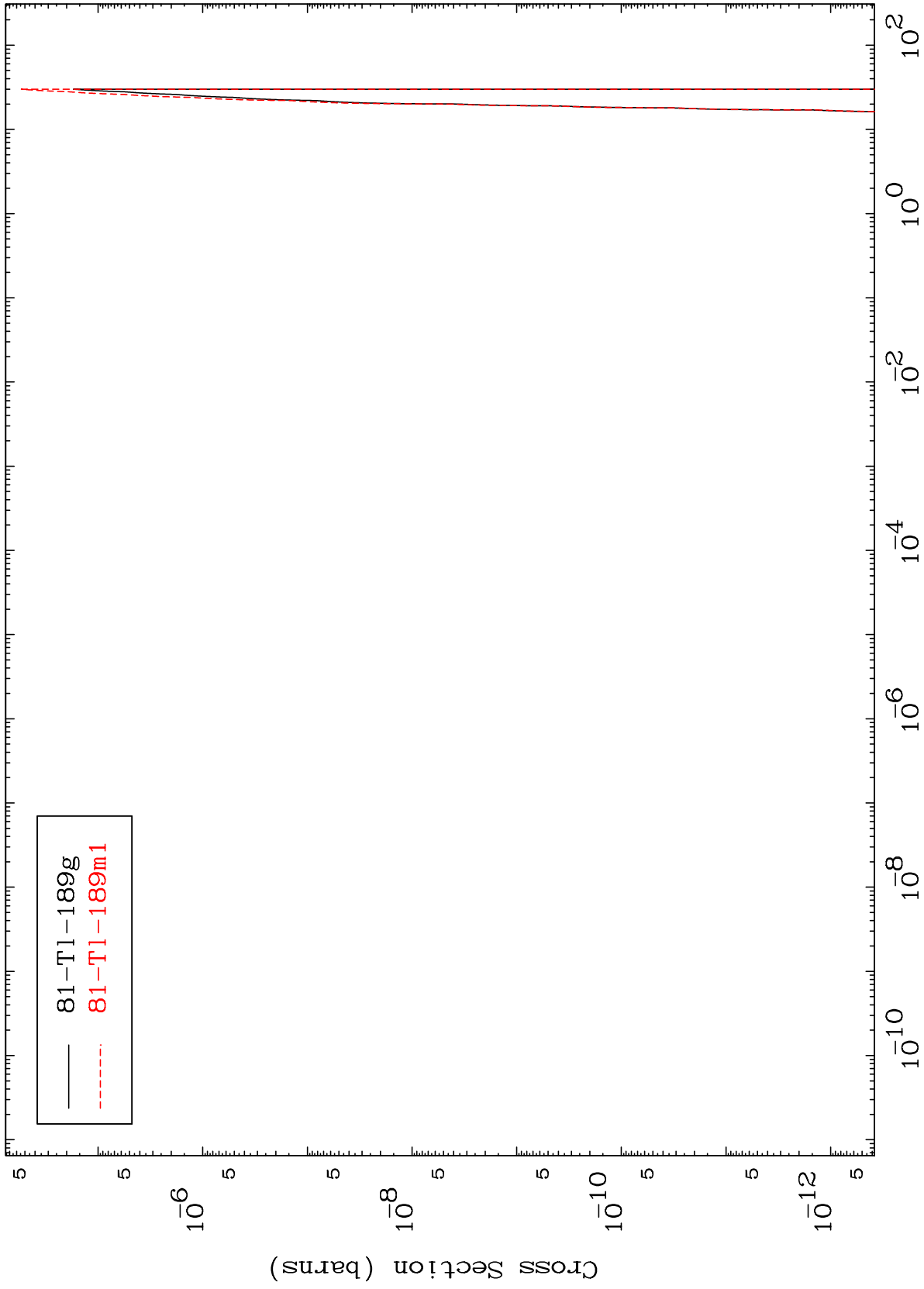
⁸³Bi-193

MAT 8278

($\alpha, 2\alpha$)

83-Bi-193

Radionuclide Production Cross Section



22

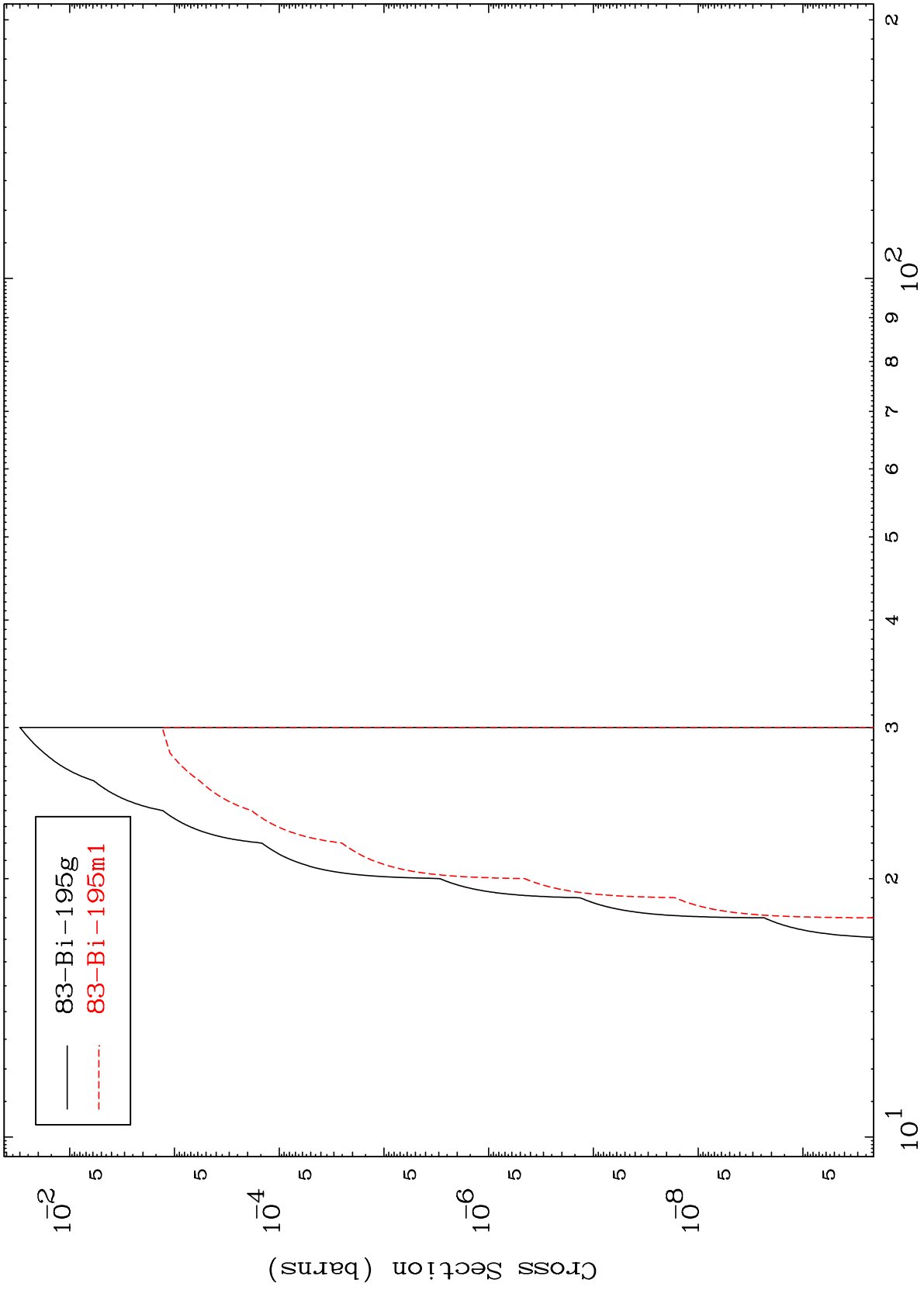
Incident Energy (MeV)

83-Bi-193

MAT 8278

83-Bi-193

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



83-Bi-193

Incident Energy (MeV)

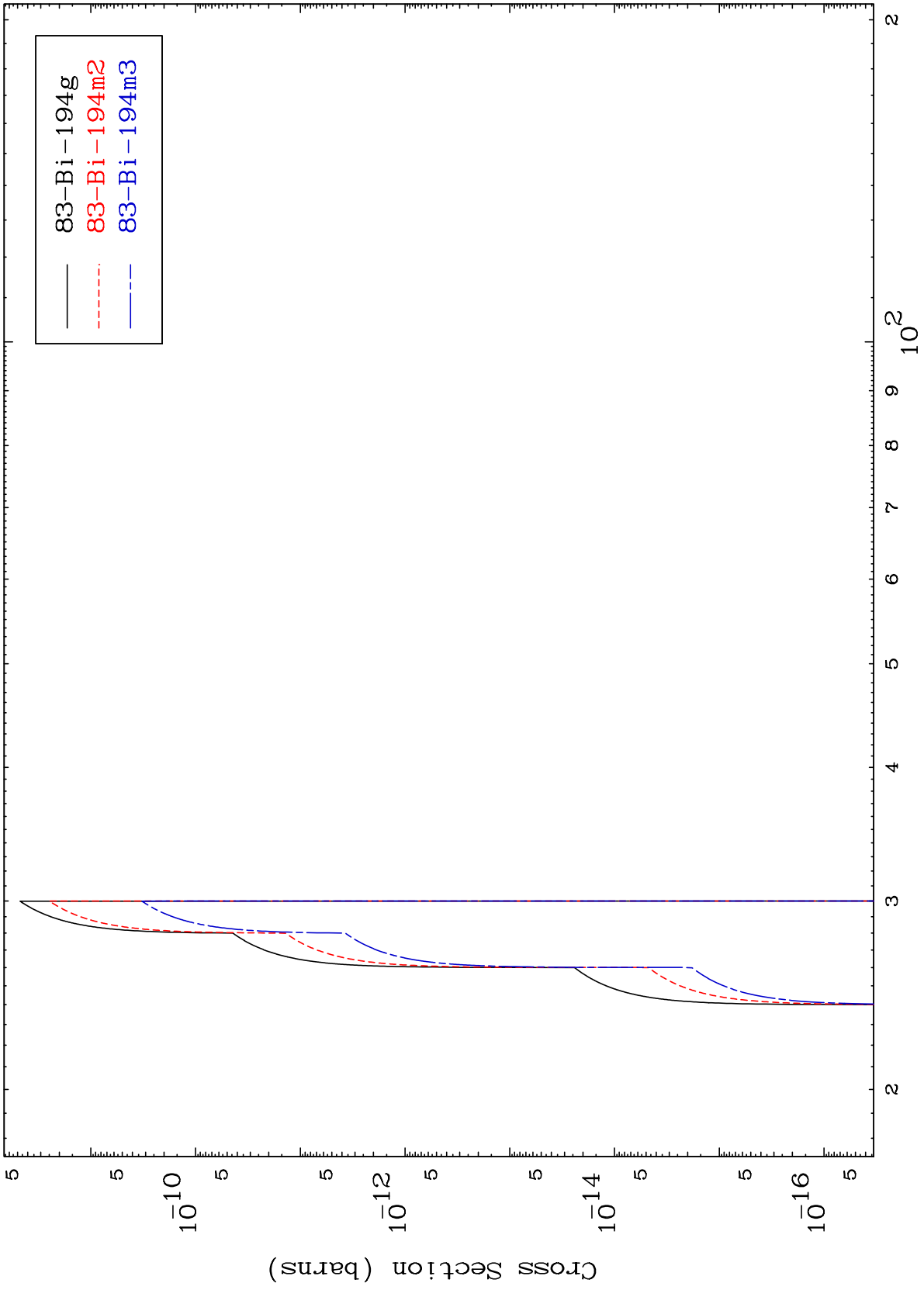
23

MAT 8278

(α, p) d

83-Bi-193

Radionuclide Production Cross Section



24

Incident Energy (MeV)

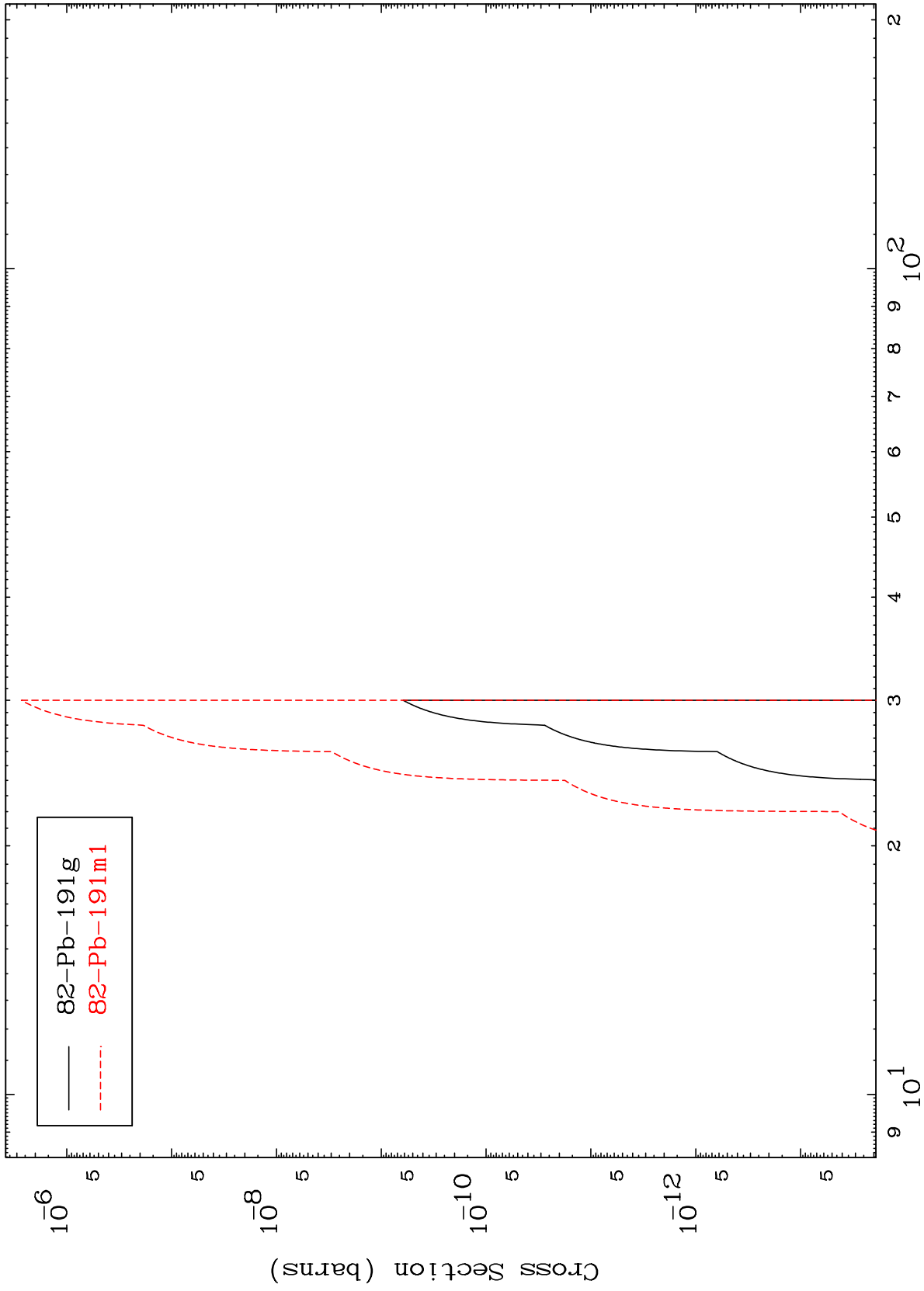
83-Bi-193

MAT 8278

(α, d) α

83-Bi-193

Radionuclide Production Cross Section



25

Incident Energy (MeV)

83-Bi-193