

Program EVALPLOT
(Version 2021-1)

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

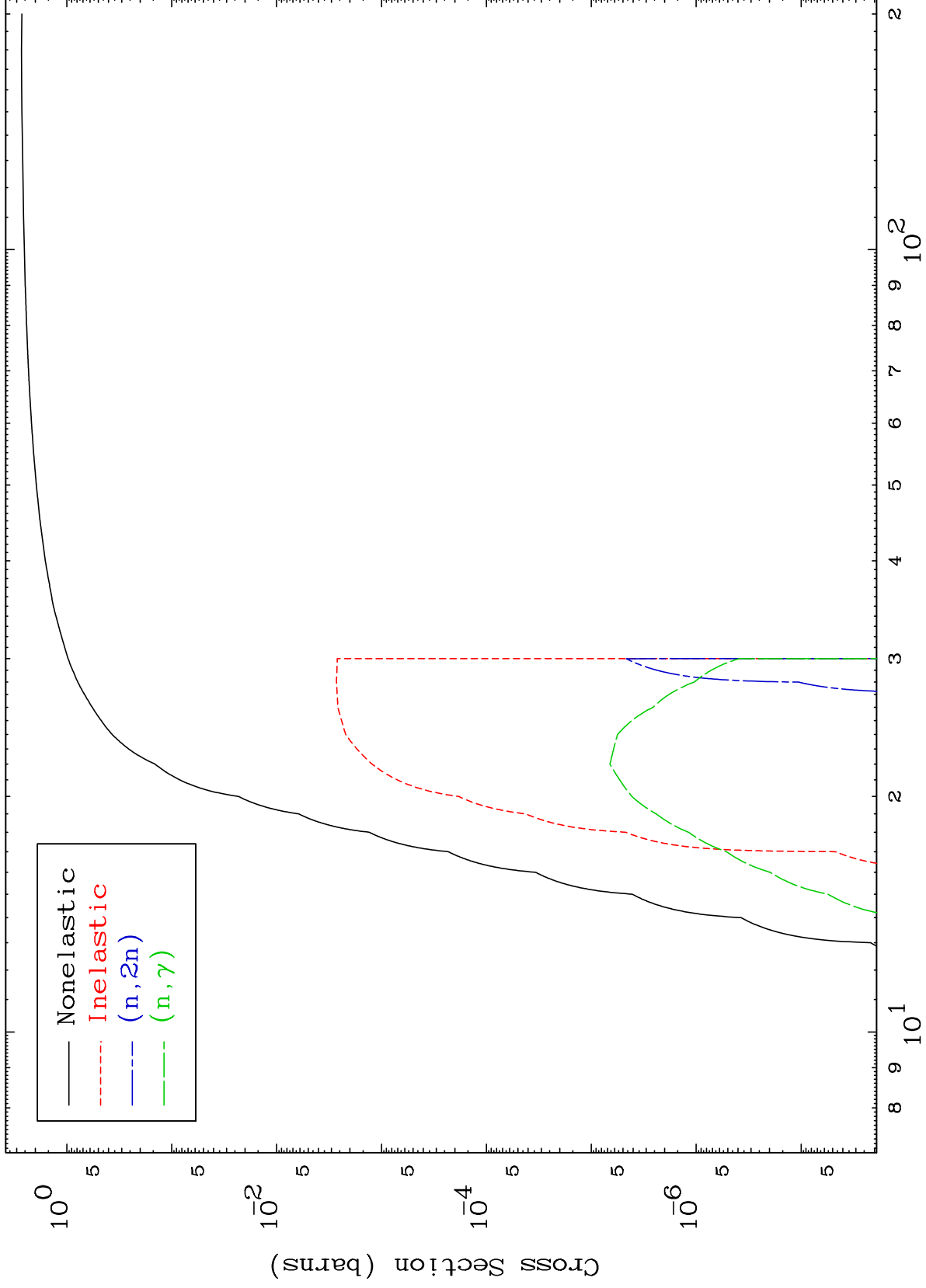
Press Mouse Button to Start

MAT 8274

0 Kelvin Cross Sections

α Major

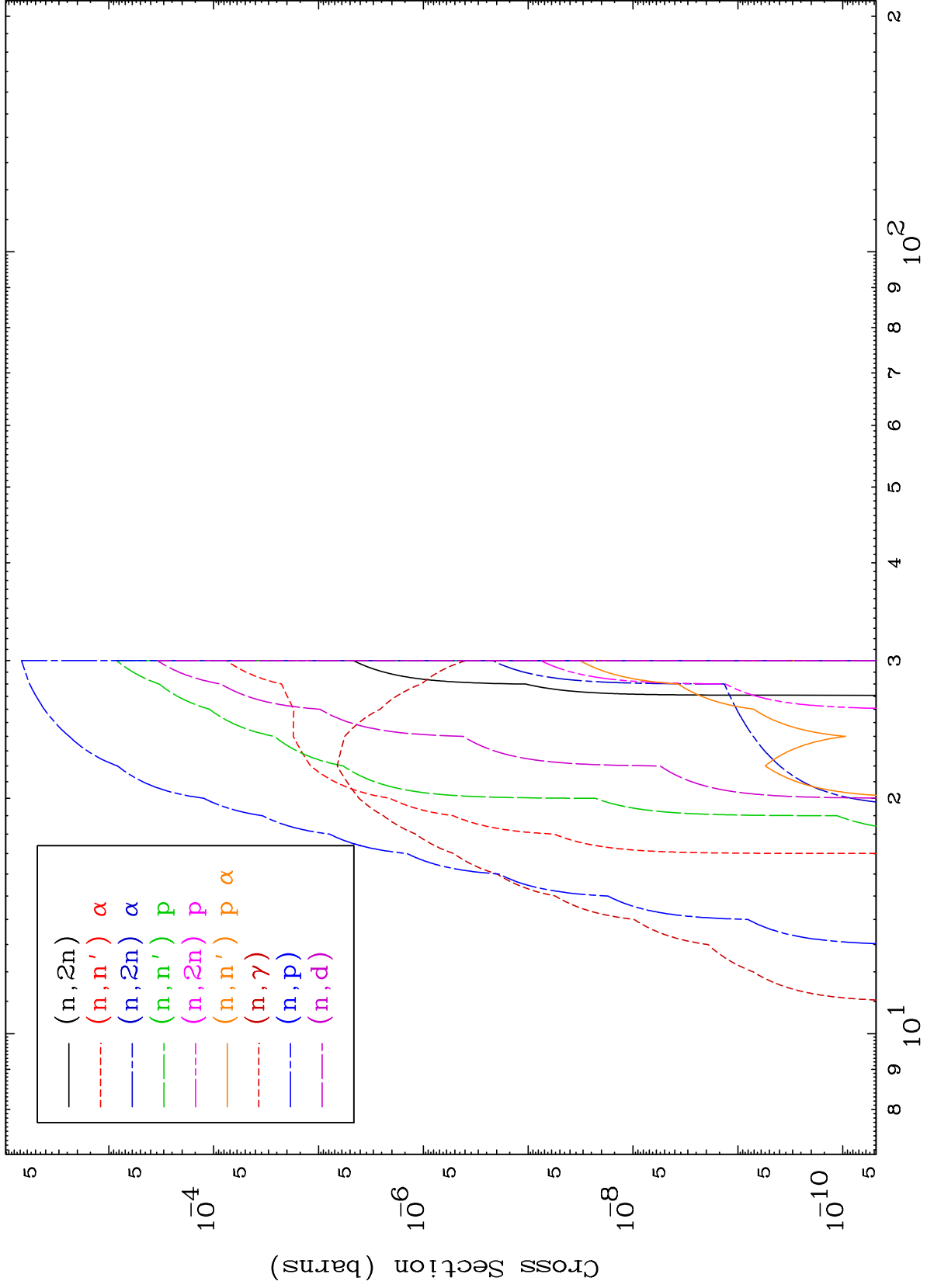
83-Bi-192



1

Incident Energy (MeV)

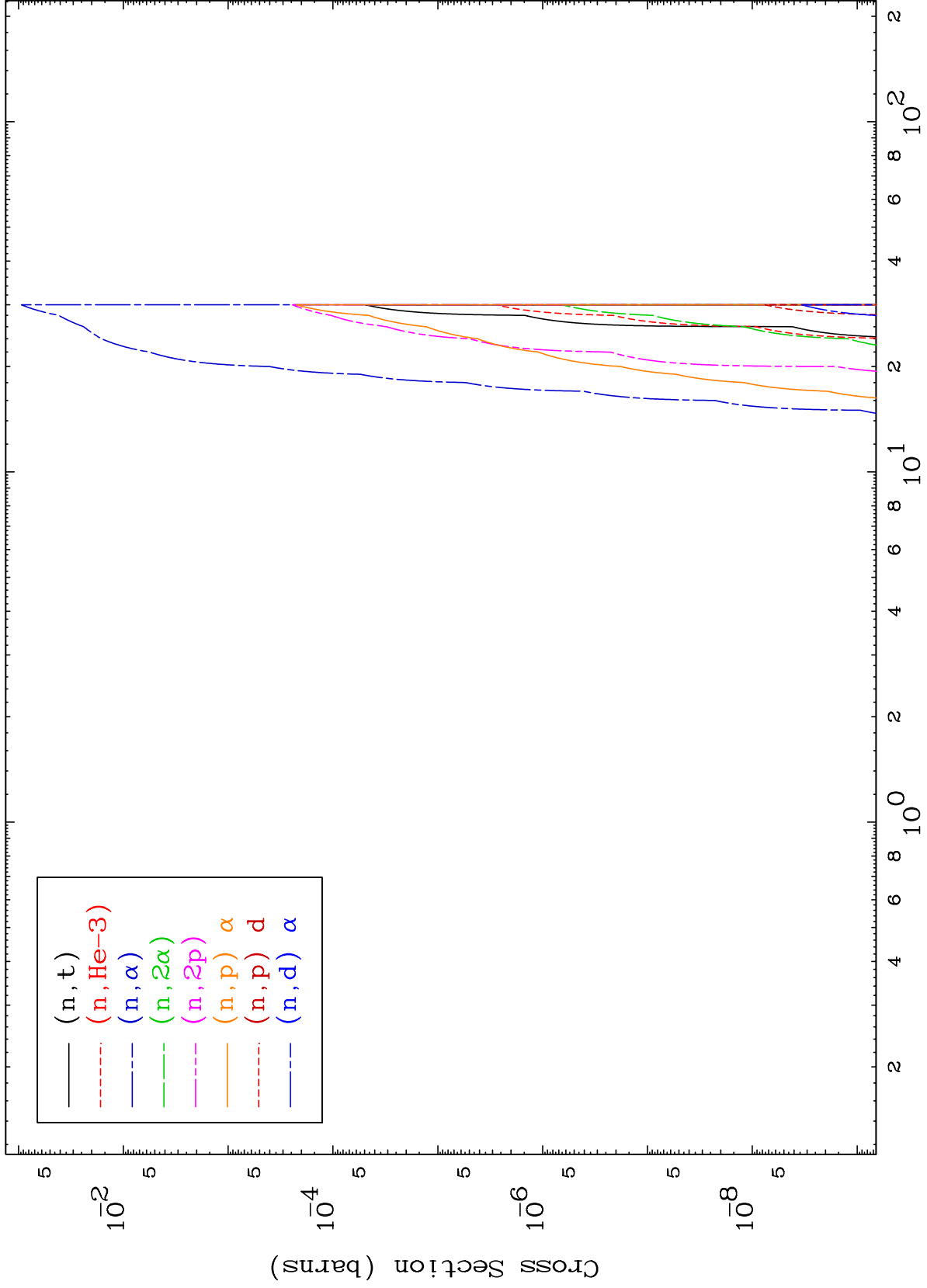
83-Bi-192



MAT 8274

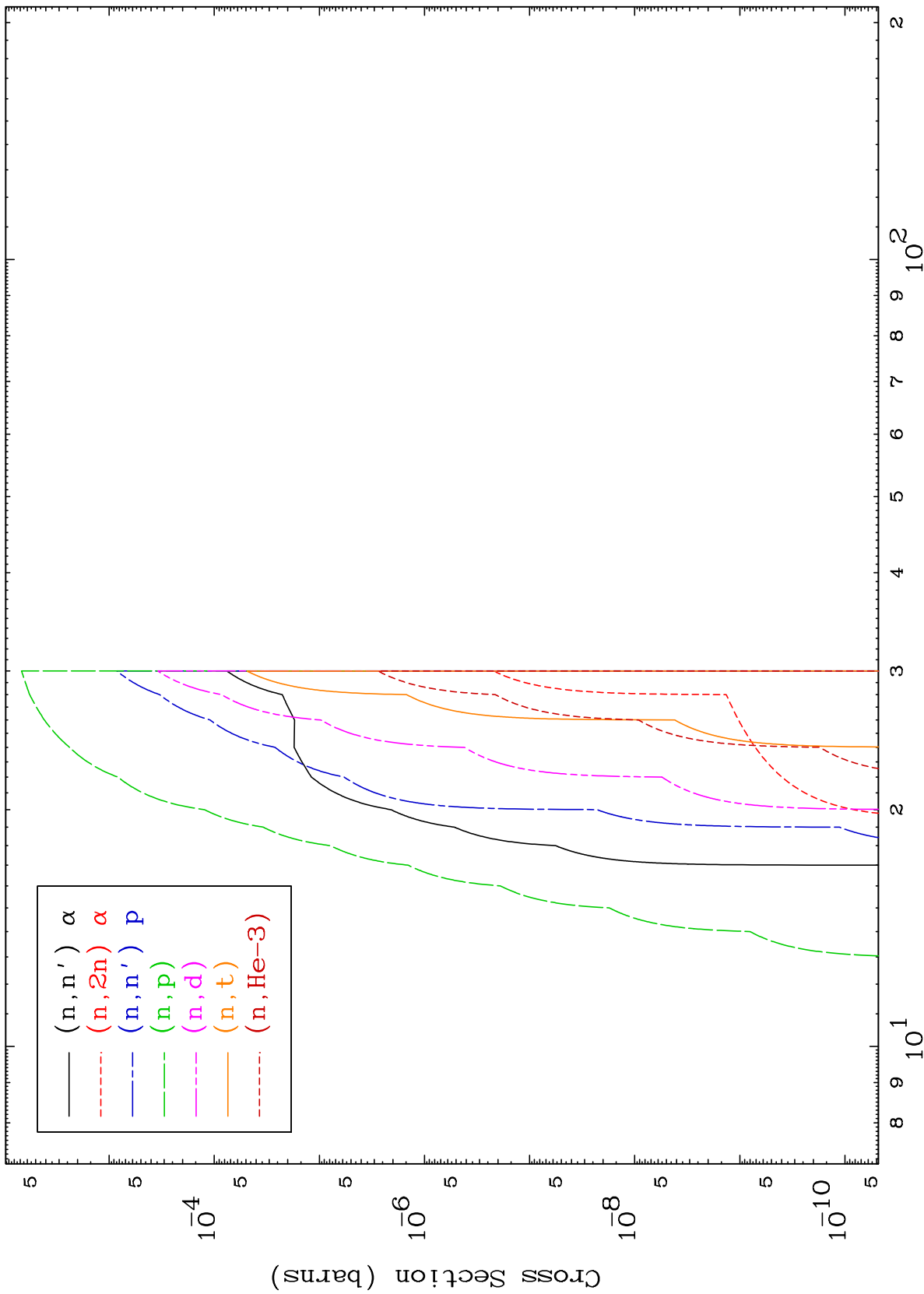
α Neutron Absorption
0 Kelvin Cross Sections

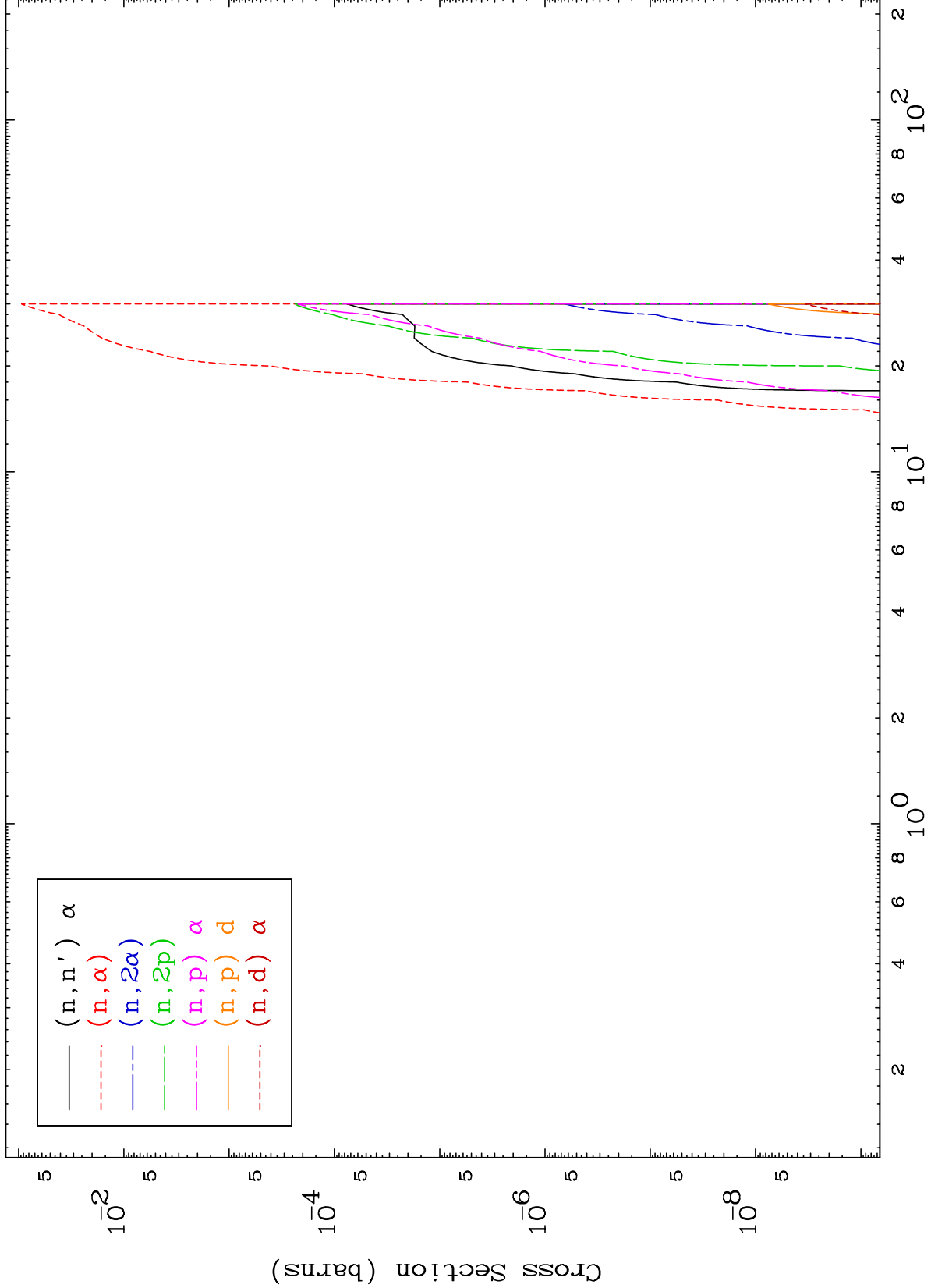
83-Bi-192



83-Bi-192

Incident Energy (MeV)

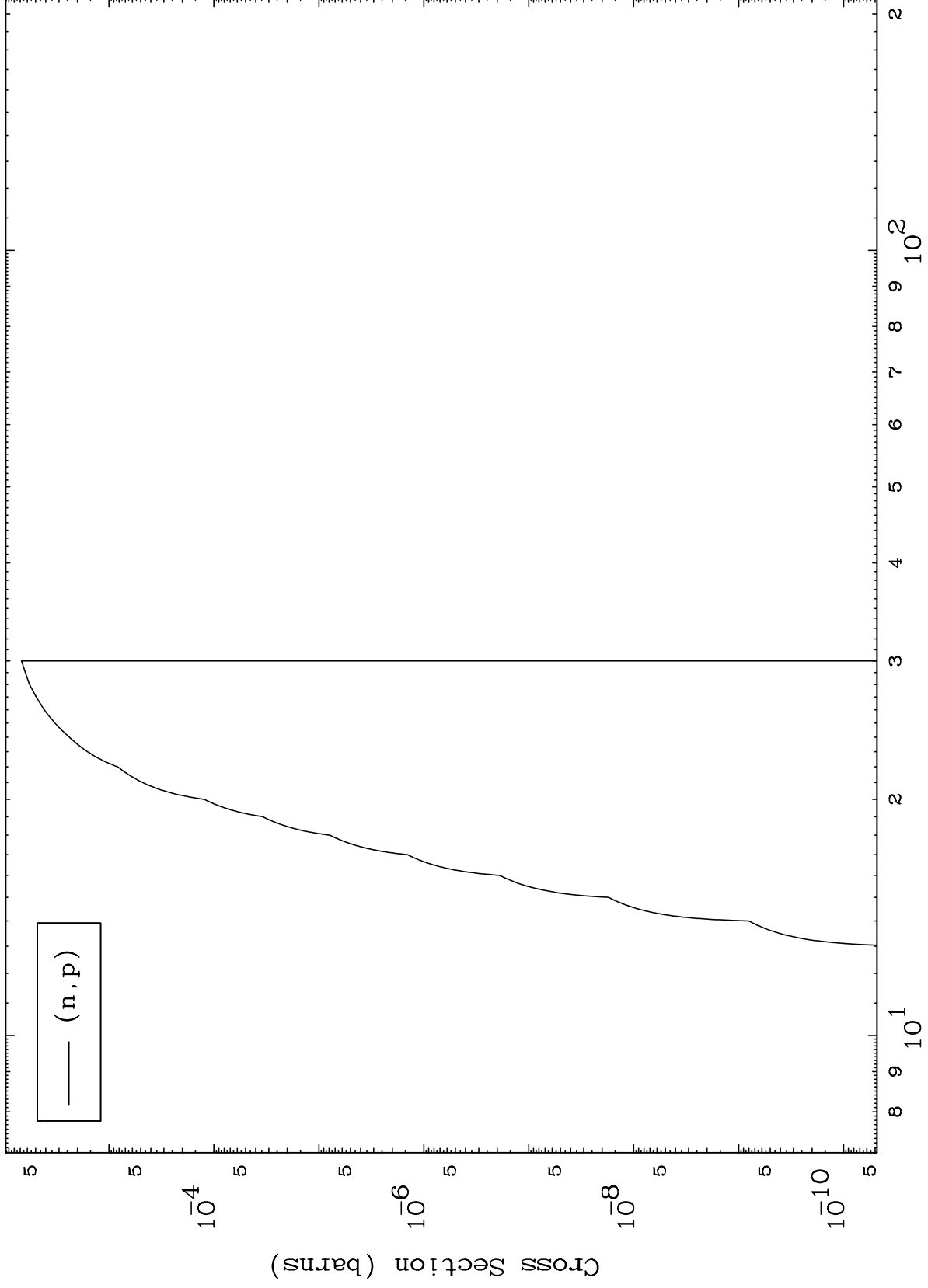




MAT 8274

(α, p) Levels
0 Kelvin Cross Sections

83-Bi-192



6

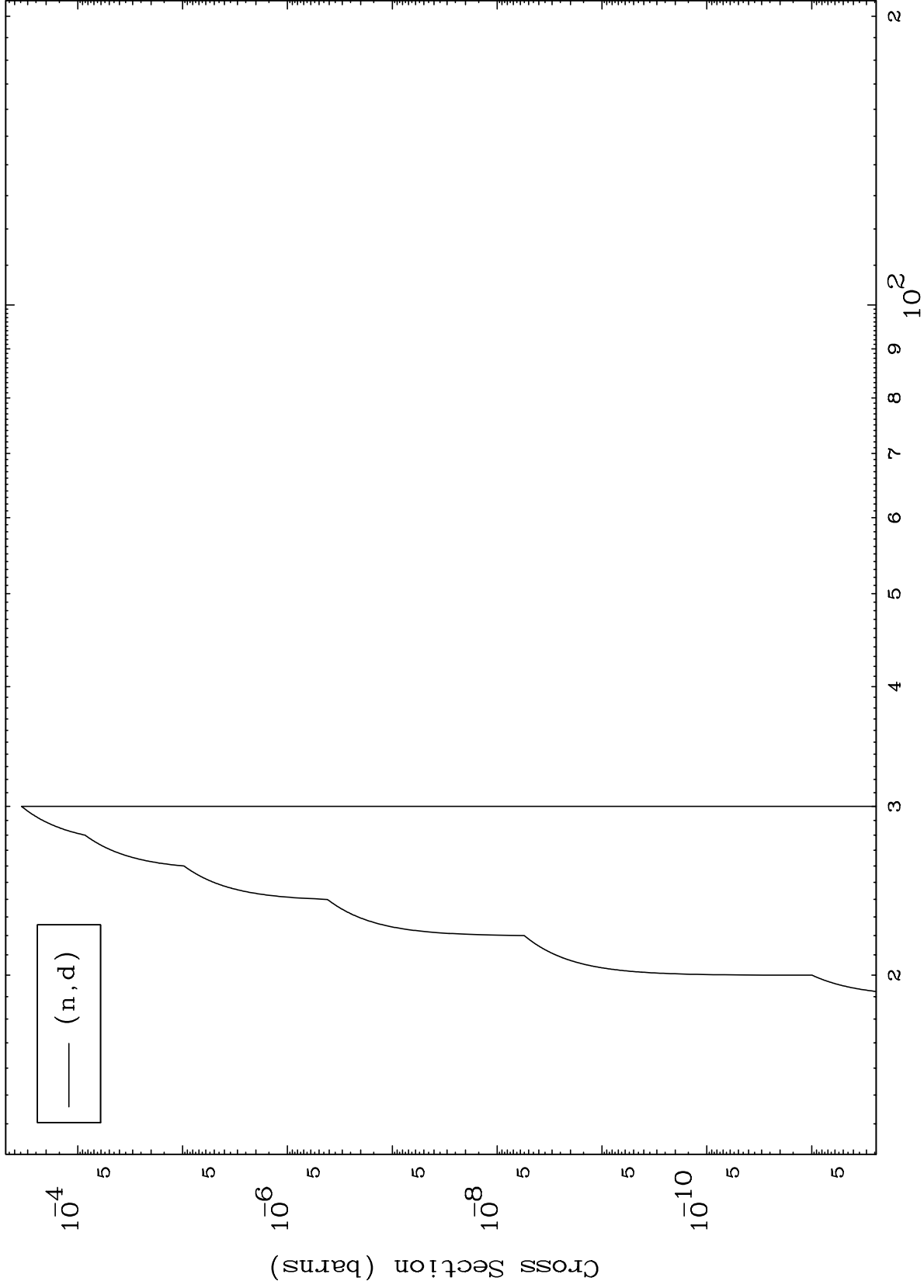
Incident Energy (MeV)

83-Bi-192

MAT 8274

(α, d) Levels
0 Kelvin Cross Sections

83-Bi-192



7

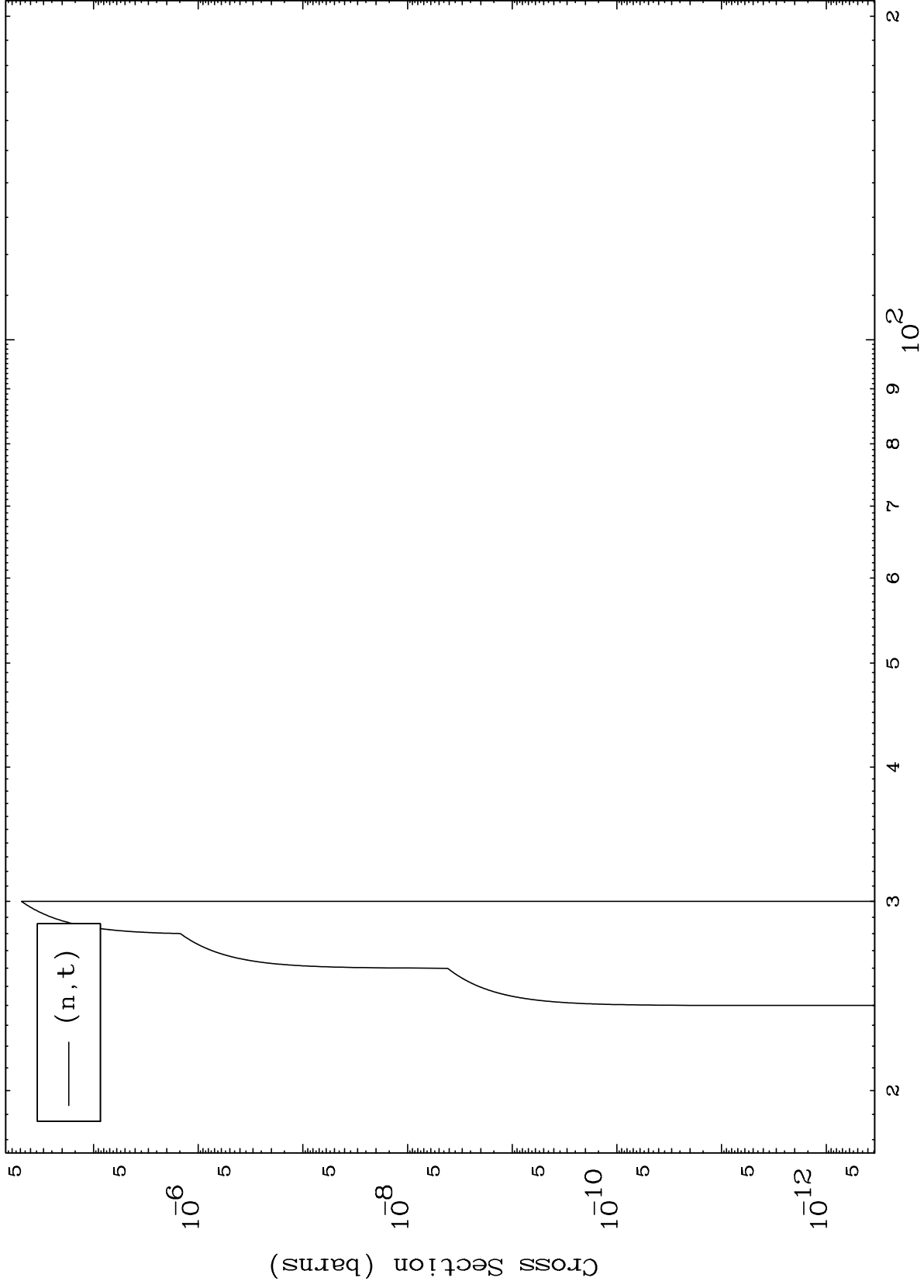
Incident Energy (MeV)

83-Bi-192

MAT 8274

(α, t) Levels
0 Kelvin Cross Sections

83-Bi-192



8

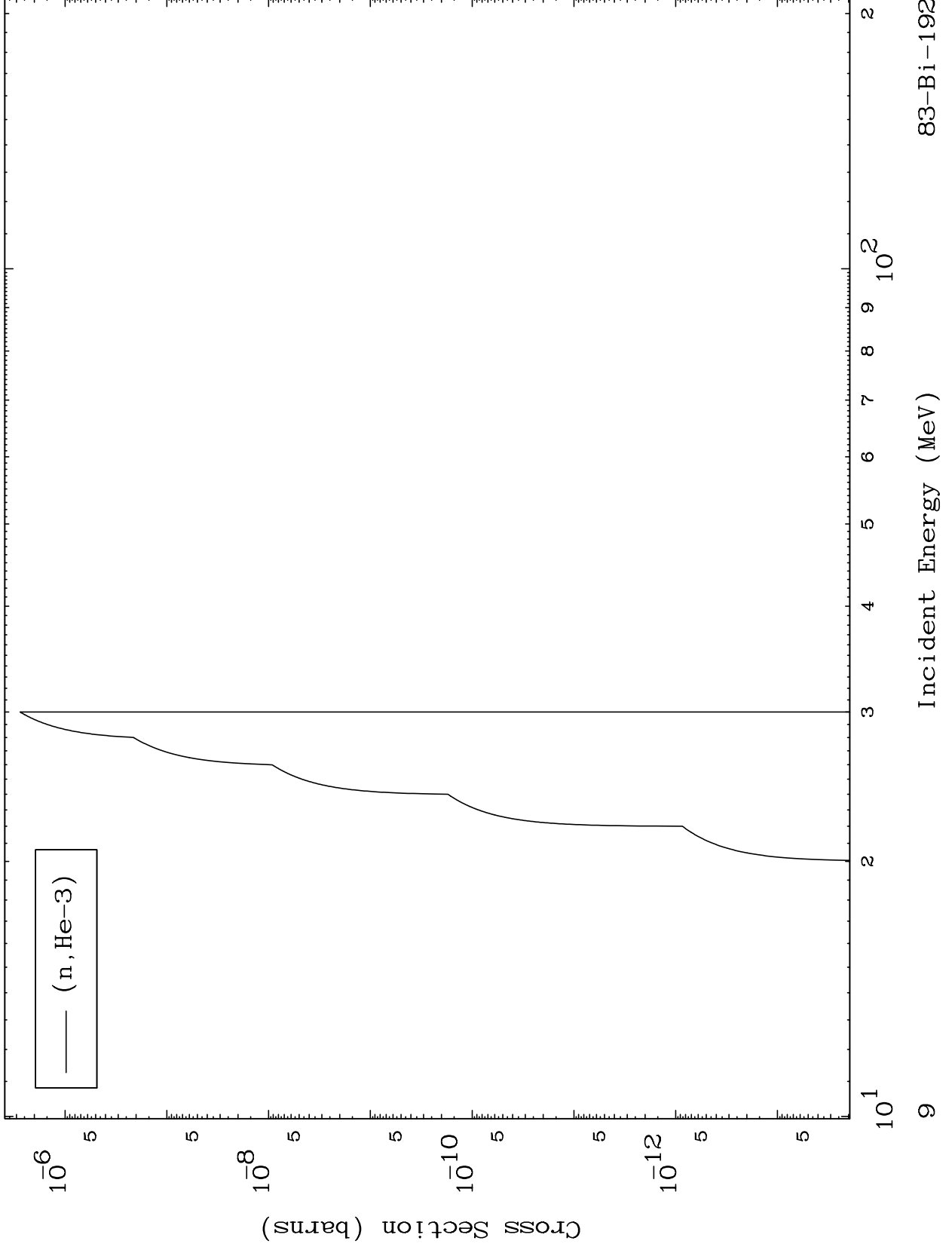
Incident Energy (MeV)

83-Bi-192

MAT 8274

($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

83-Bi-192



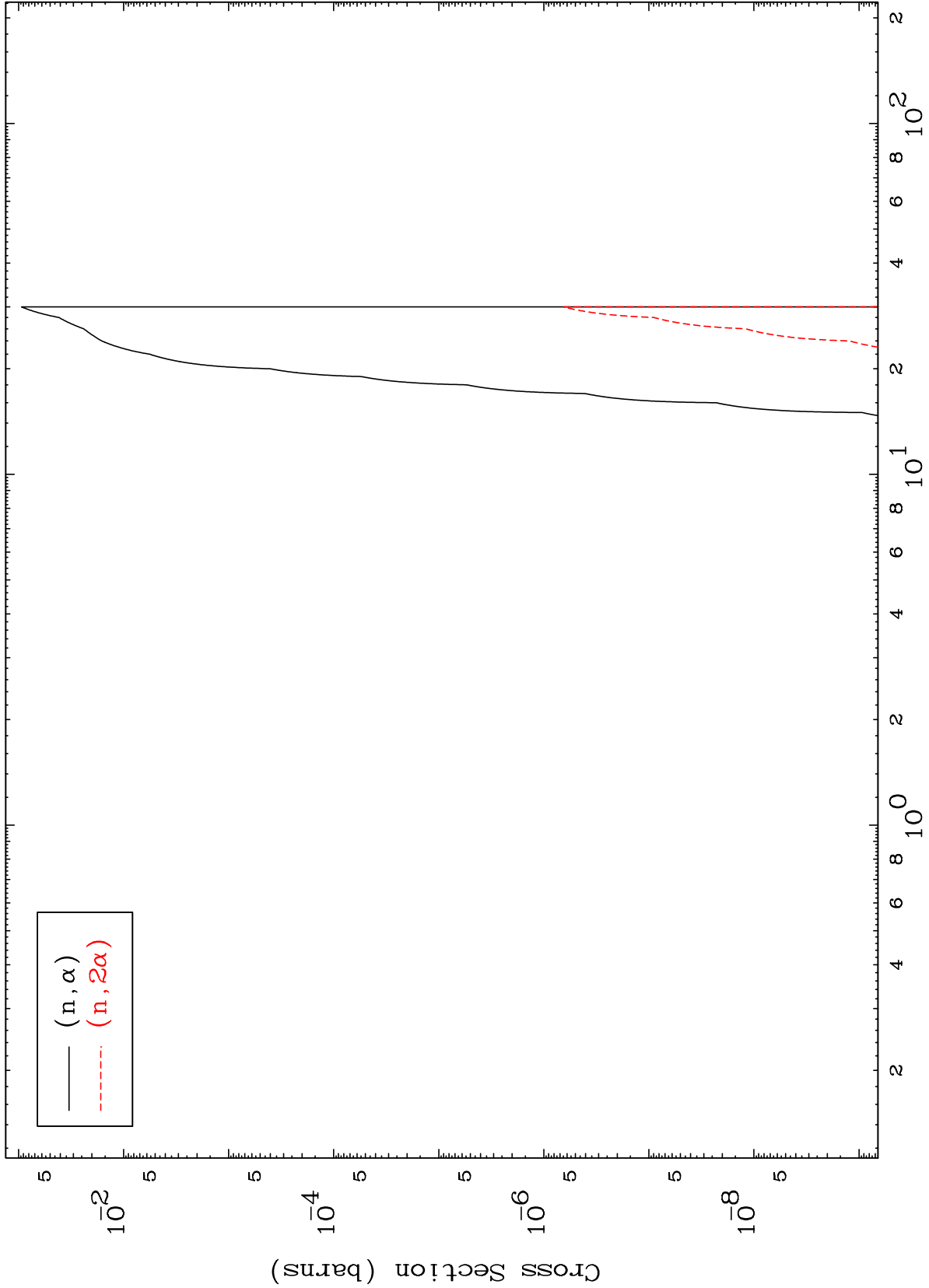
83-Bi-192

MAT 8274

(α, α) Levels

83-Bi-192

0 Kelvin Cross Sections



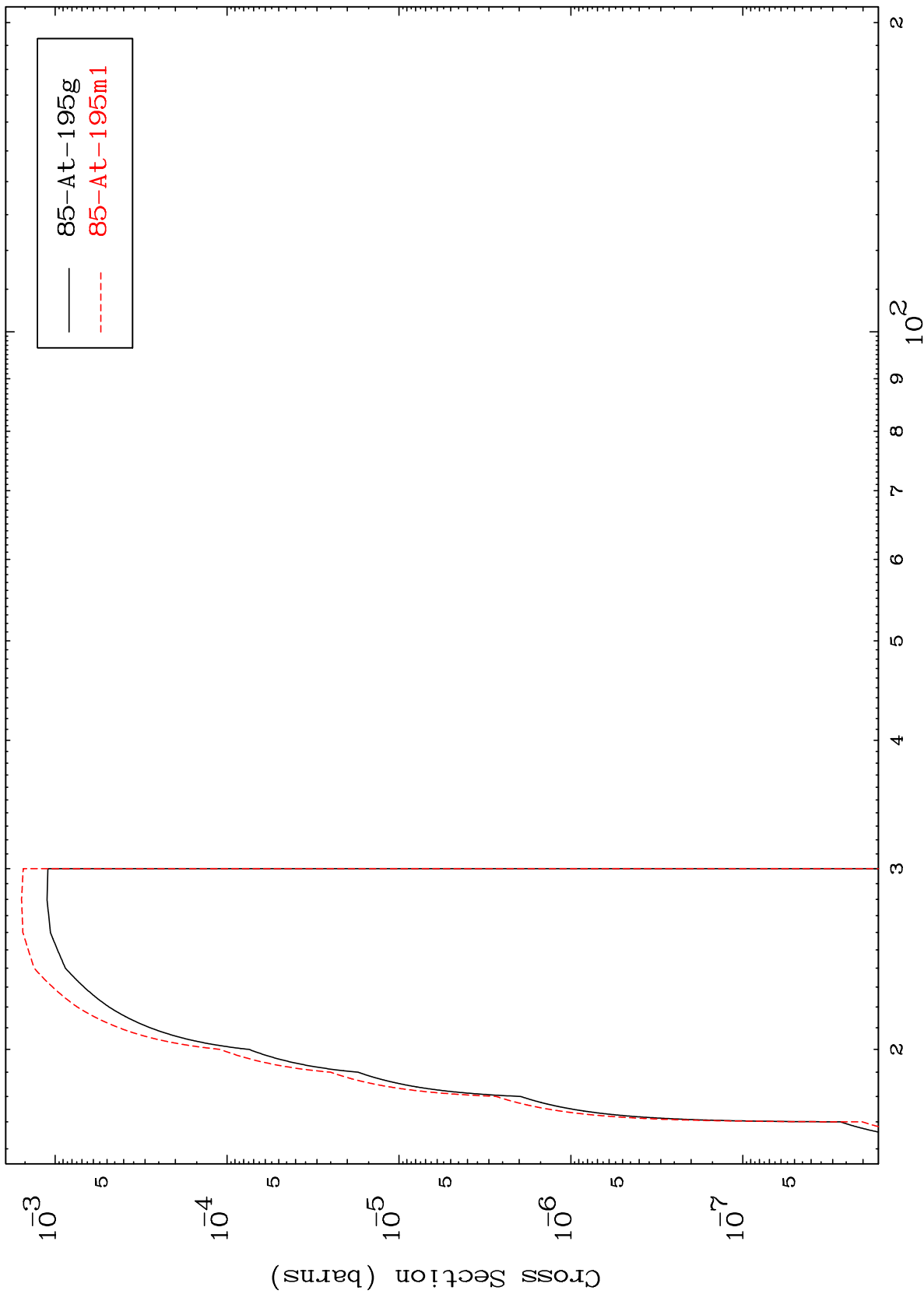
— (n, α)
- - - (n, 2α)

10

Incident Energy (MeV)

83-Bi-192

Inelastic
Radionuclide Production Cross Section

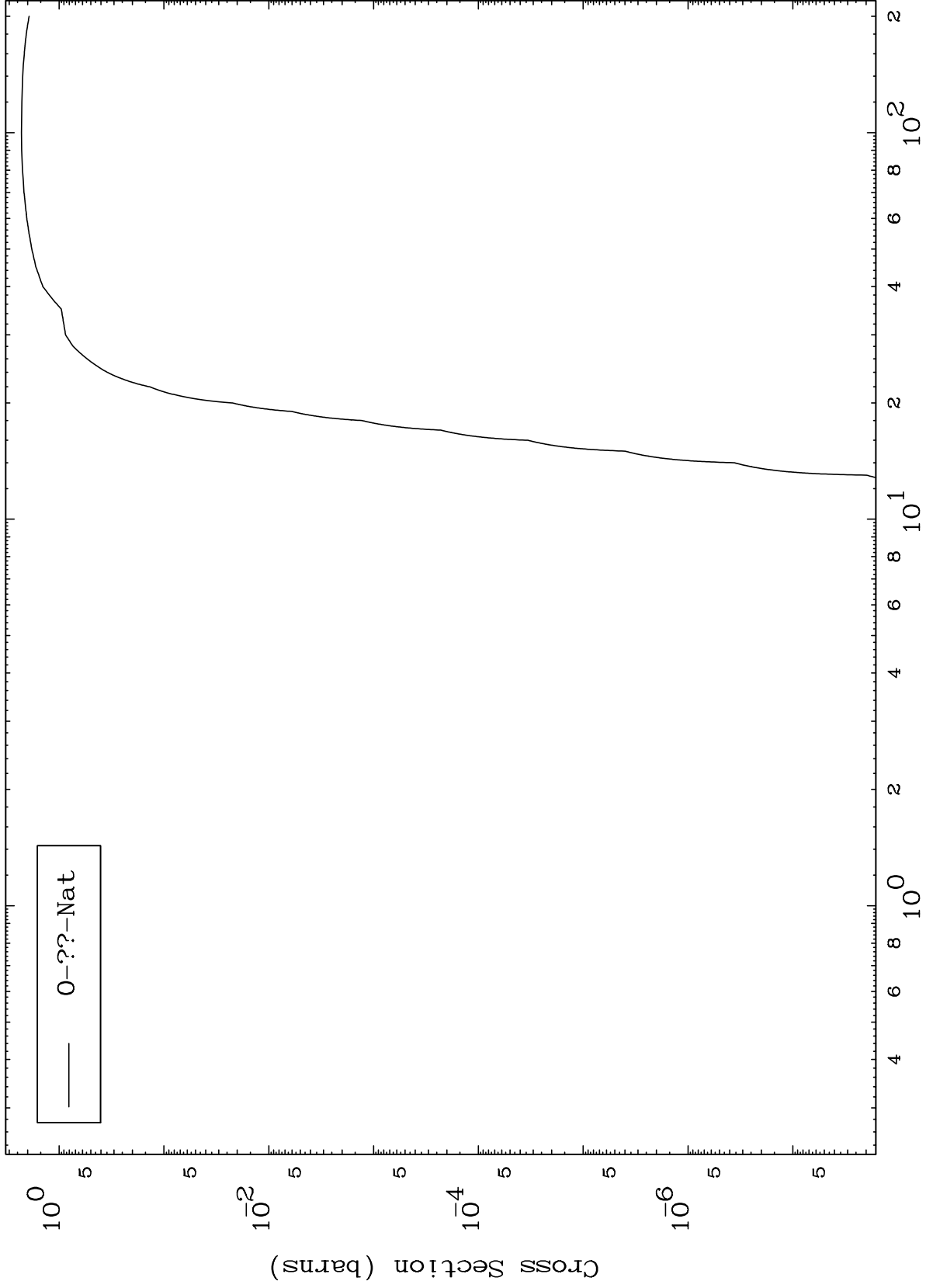


MAT 8274

Fission

83-Bi-192

Radionuclide Production Cross Section



12

Incident Energy (MeV)

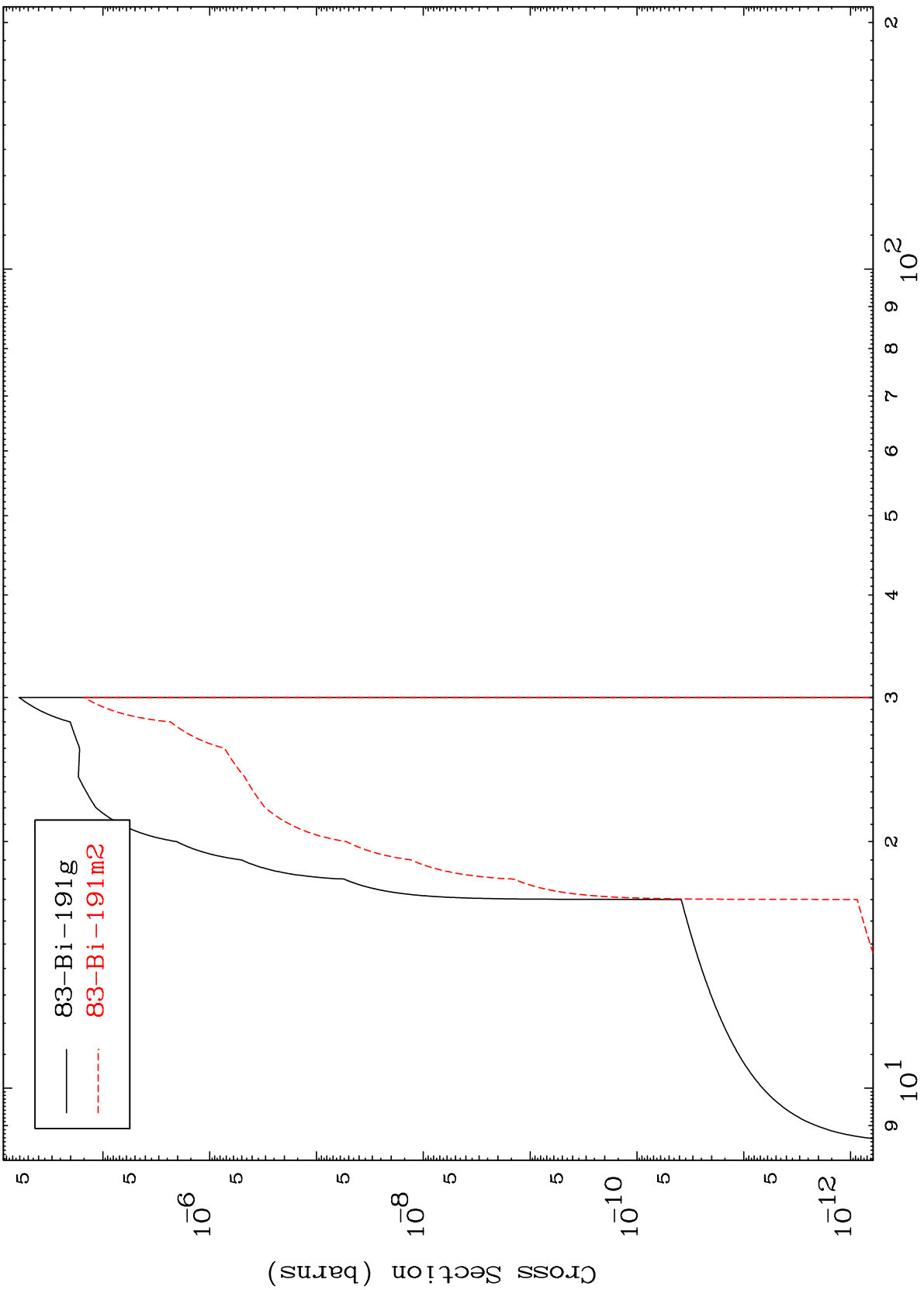
83-Bi-192

MAT 8274

$(n, n') \alpha$

83-Bi-192

Radionuclide Production Cross Section



13

Incident Energy (MeV)

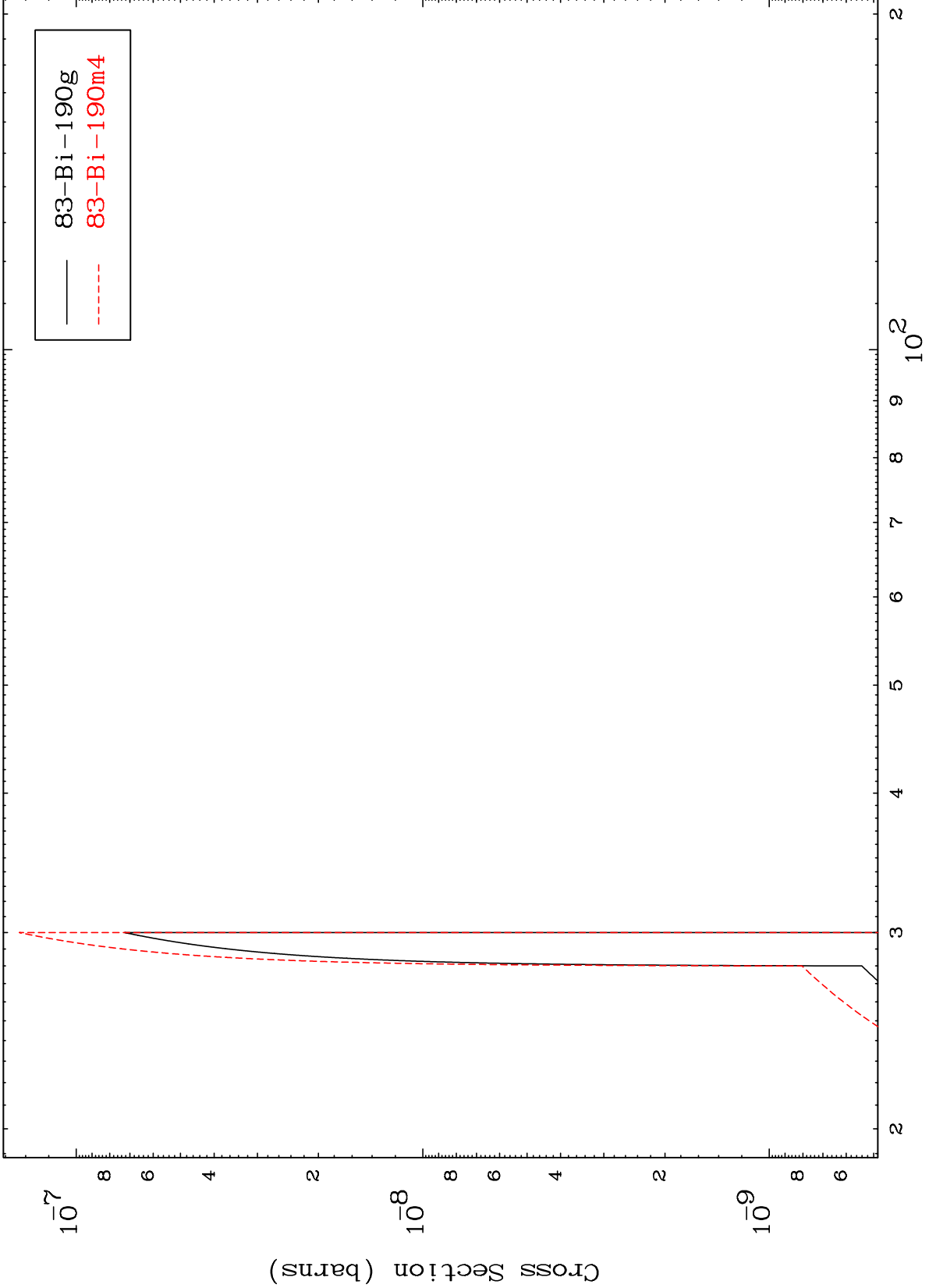
83-Bi-192

MAT 8274

$(n,2n) \alpha$

83-Bi-192

Radionuclide Production Cross Section



14

Incident Energy (MeV)

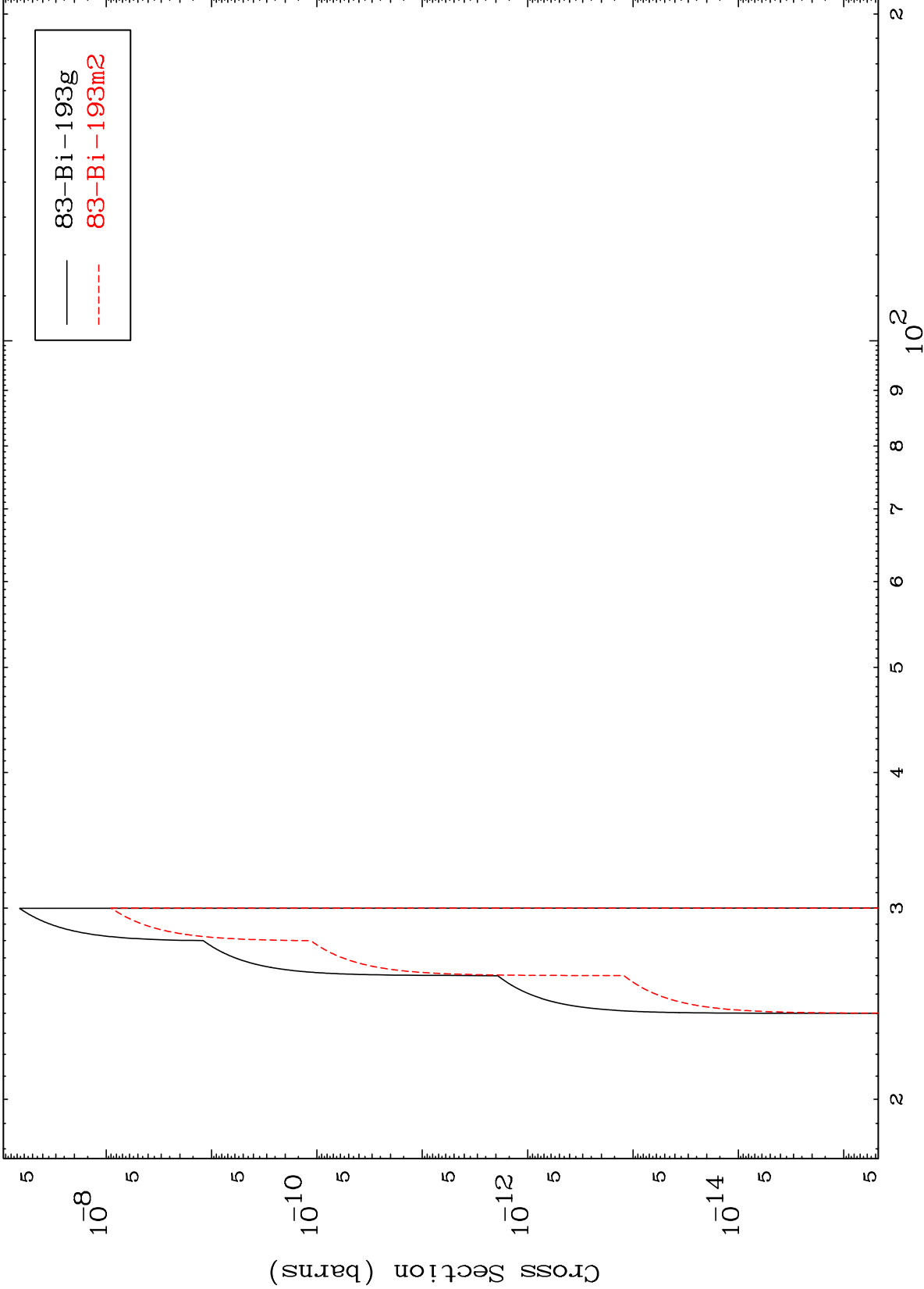
83-Bi-192

MAT 8274

(n,2n) p

83-Bi-192

Radionuclide Production Cross Section



15

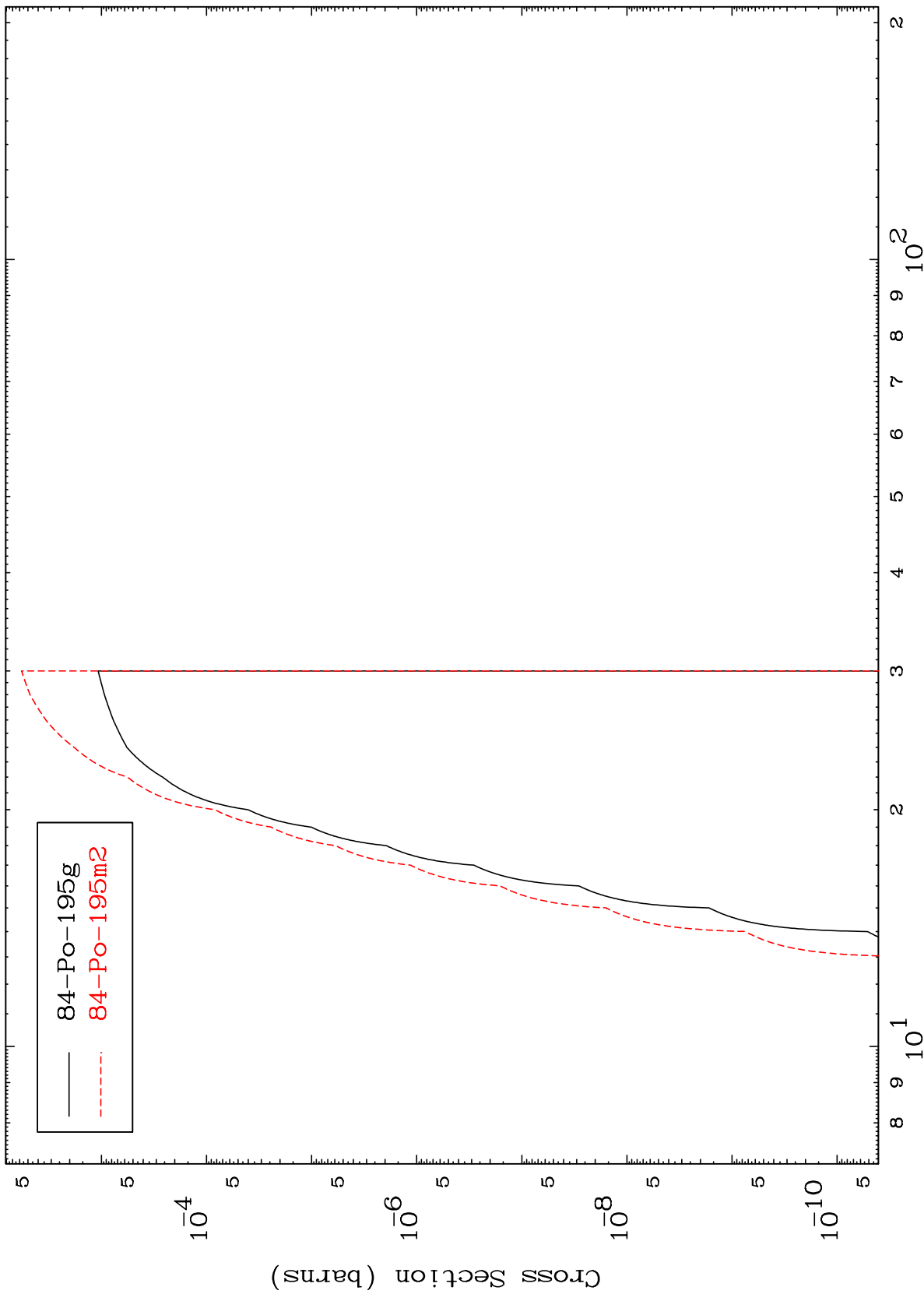
Incident Energy (MeV)

83-Bi-192

MAT 8274

83-Bi-192

(n,p)
Radionuclide Production Cross Section

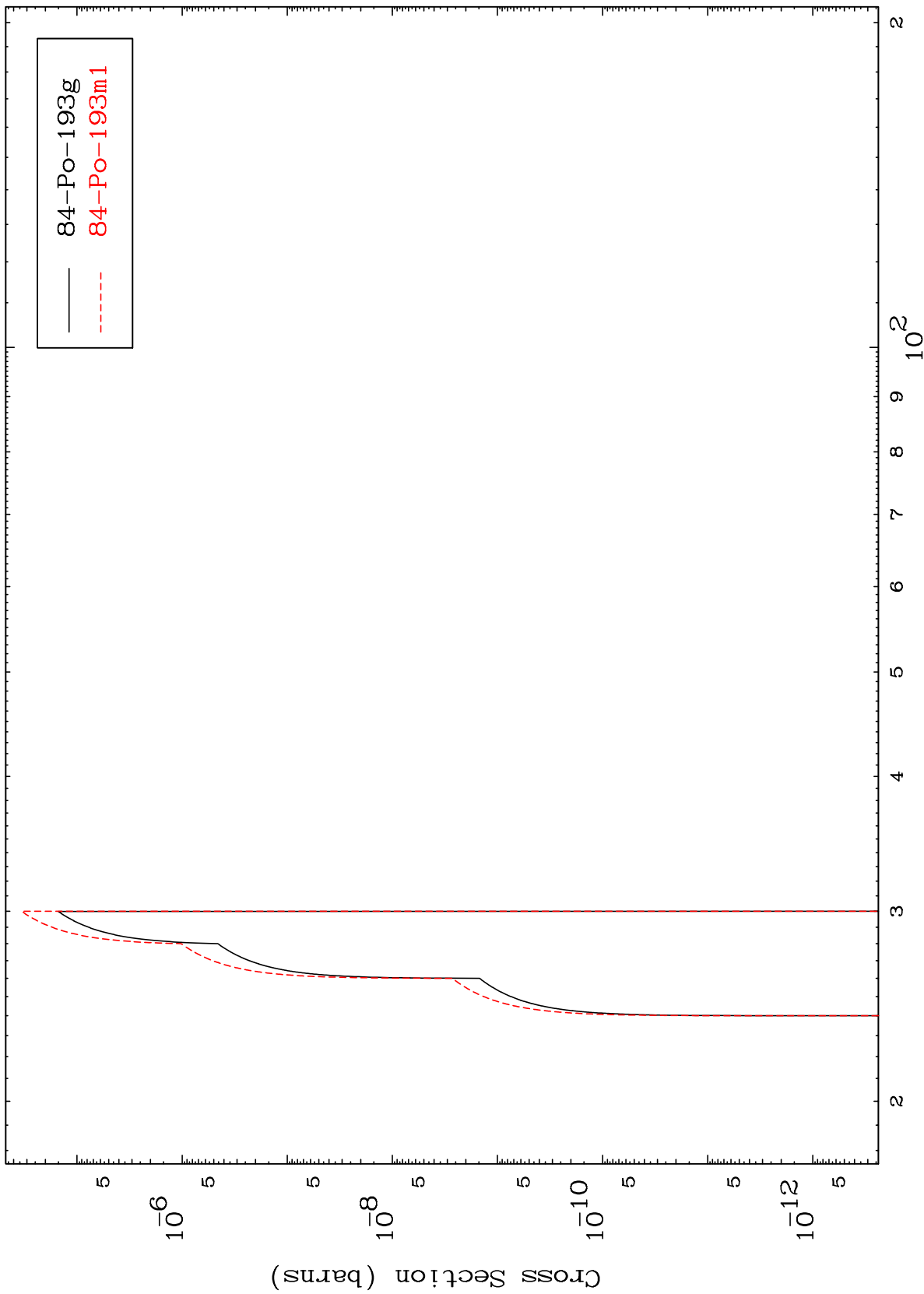


83-Bi-192

Incident Energy (MeV)

16

(n,t)
Radionuclide Production Cross Section

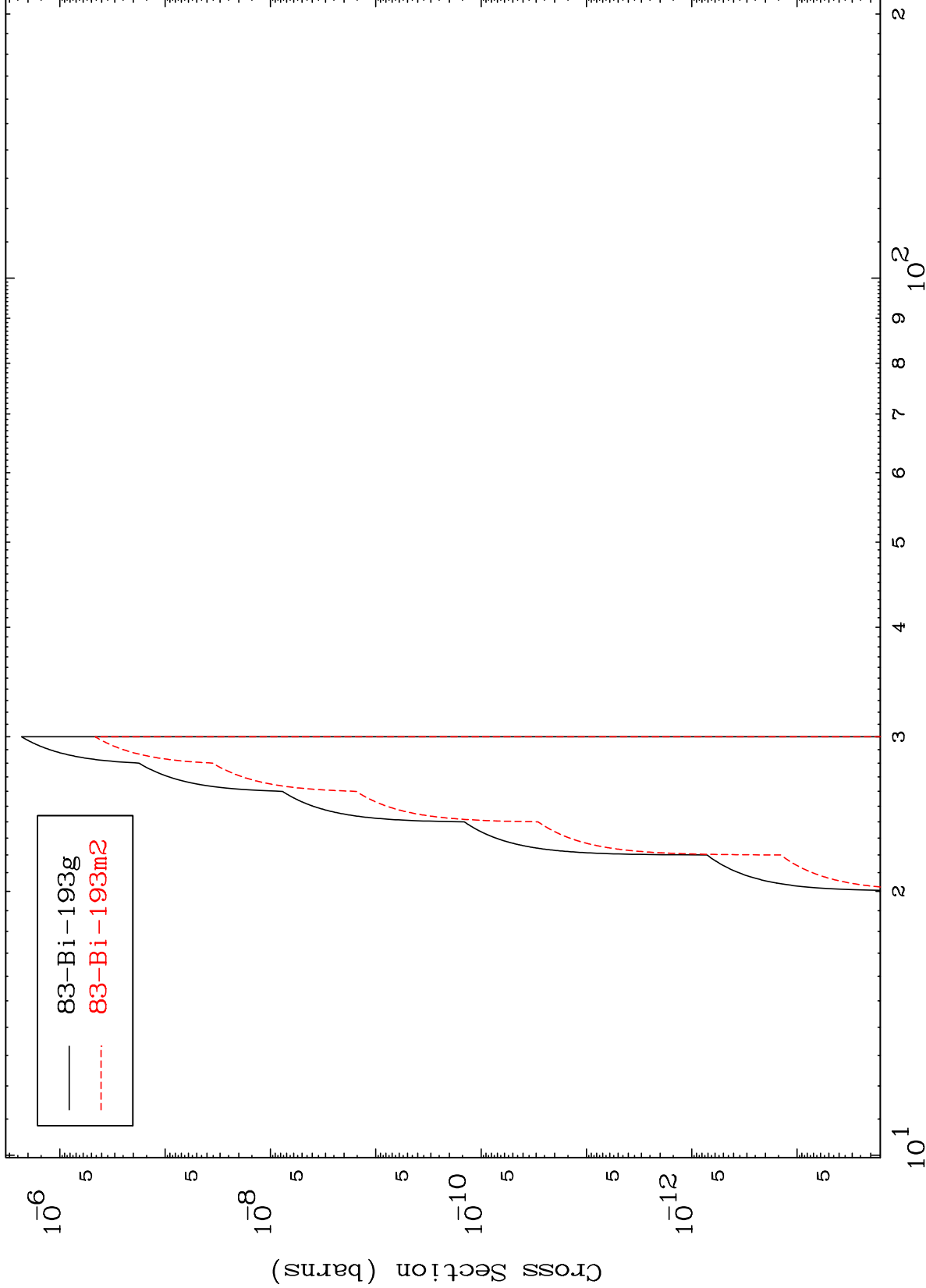


MAT 8274

(n,He-3)

83-Bi-192

Radionuclide Production Cross Section



18

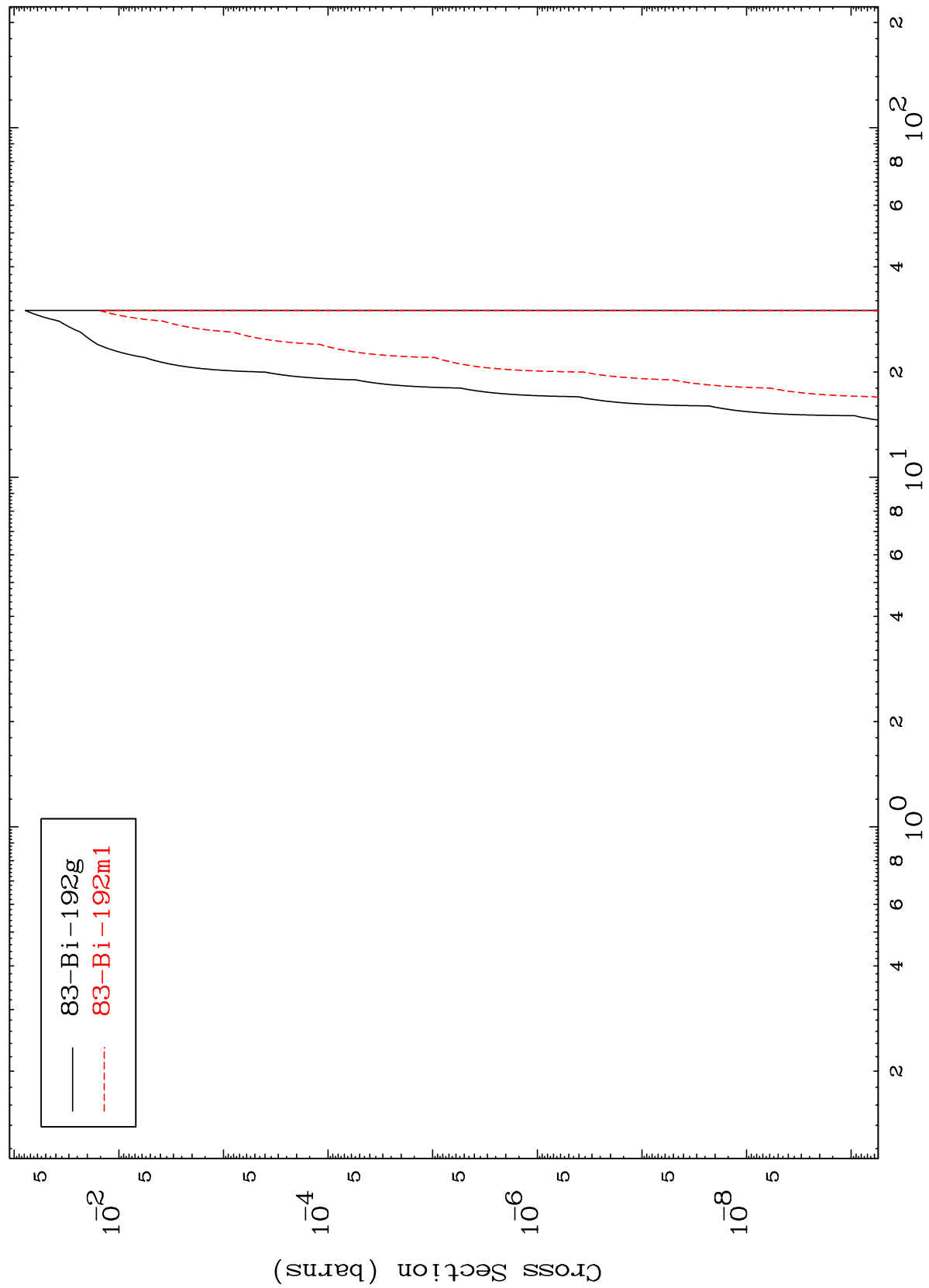
Incident Energy (MeV)

83-Bi-192

MAT 8274

83-Bi-192

Radionuclide Production Cross Section
(n, α)



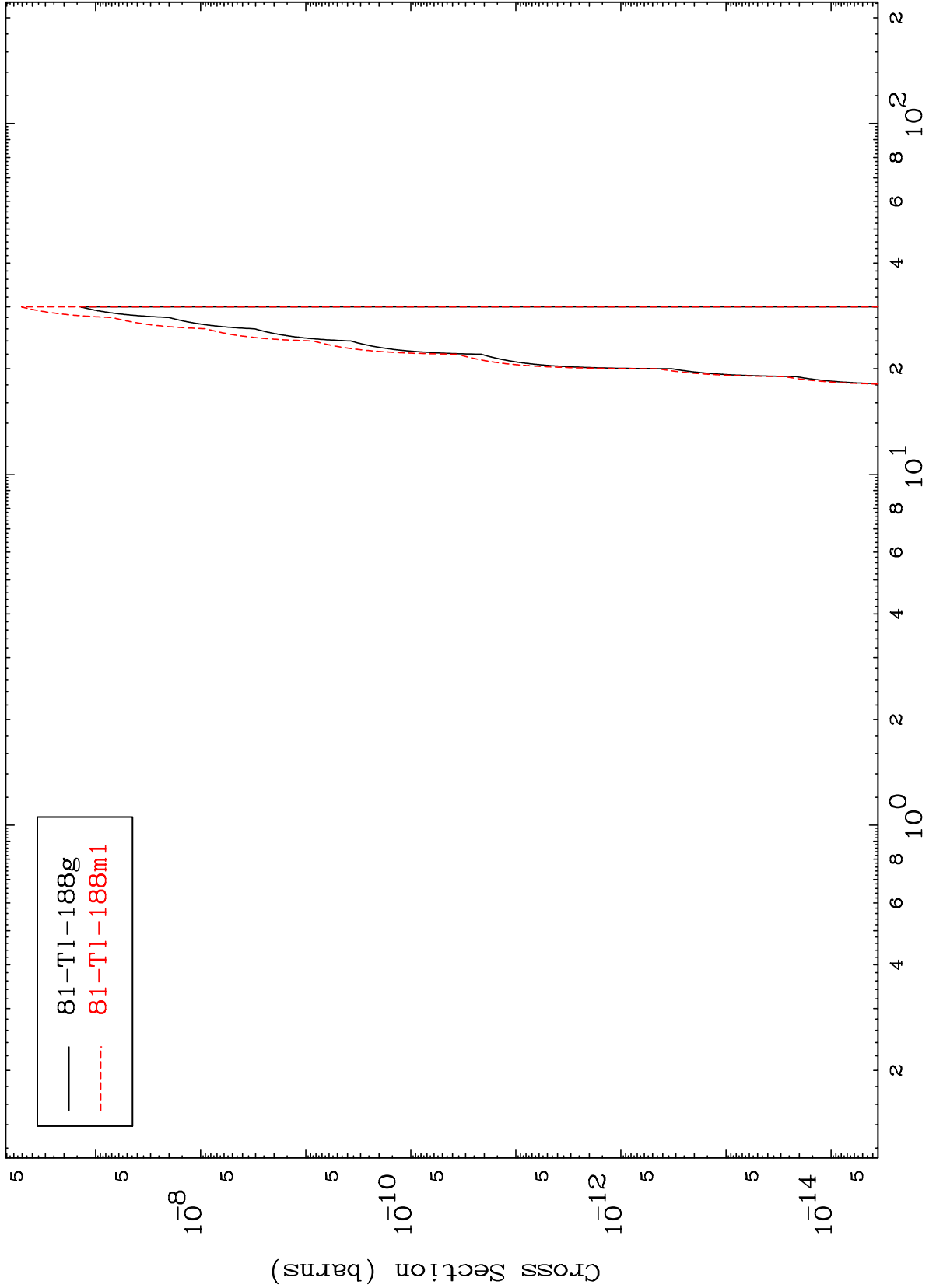
83-Bi-192g
83-Bi-192m1

MAT 8274

(n,2α)

83-Bi-192

Radionuclide Production Cross Section

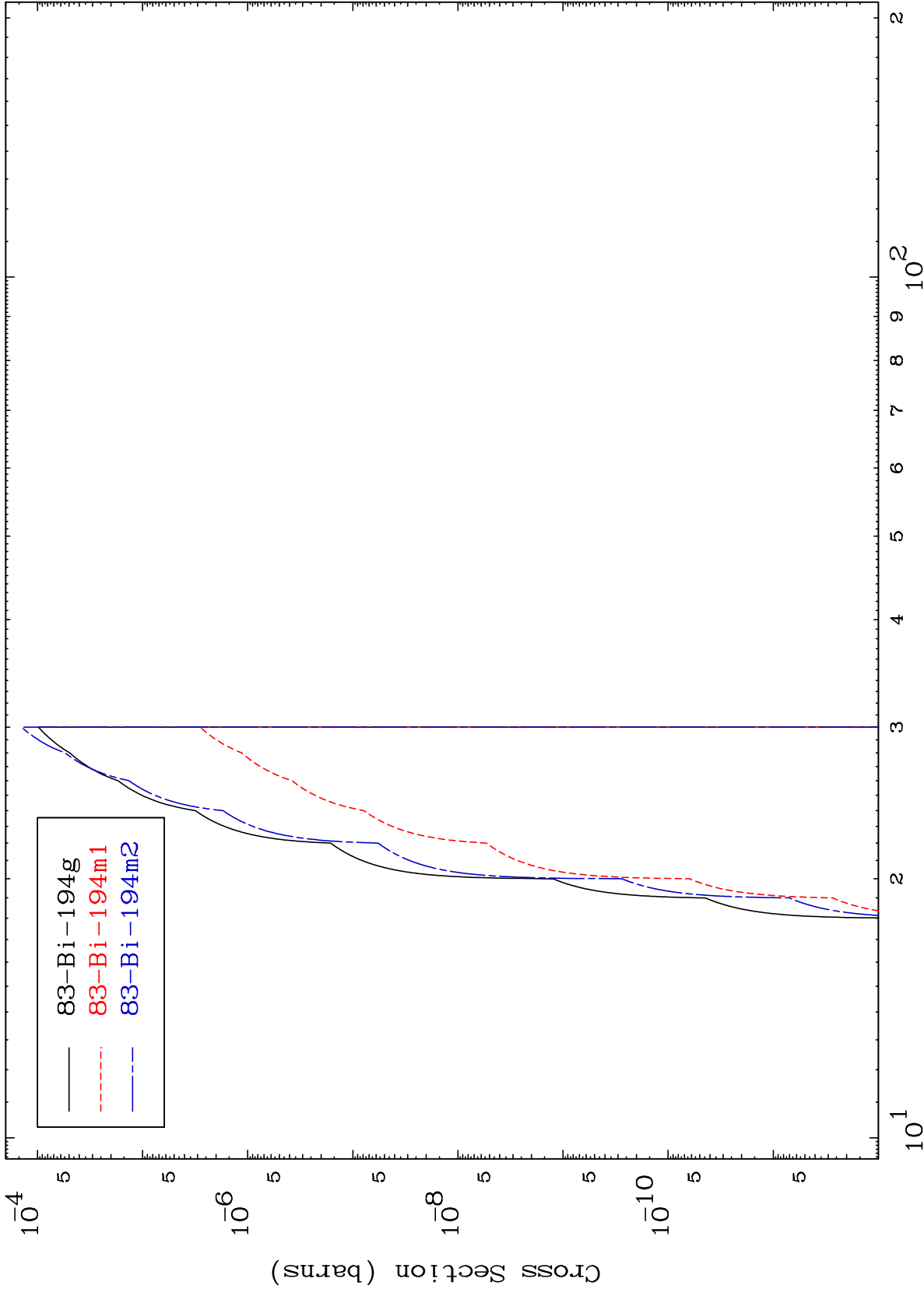


81-Tl-188g
81-Tl-188m1

MAT 8274

83-Bi-192

(n,2p)
Radionuclide Production Cross Section



83-Bi-192

Incident Energy (MeV)

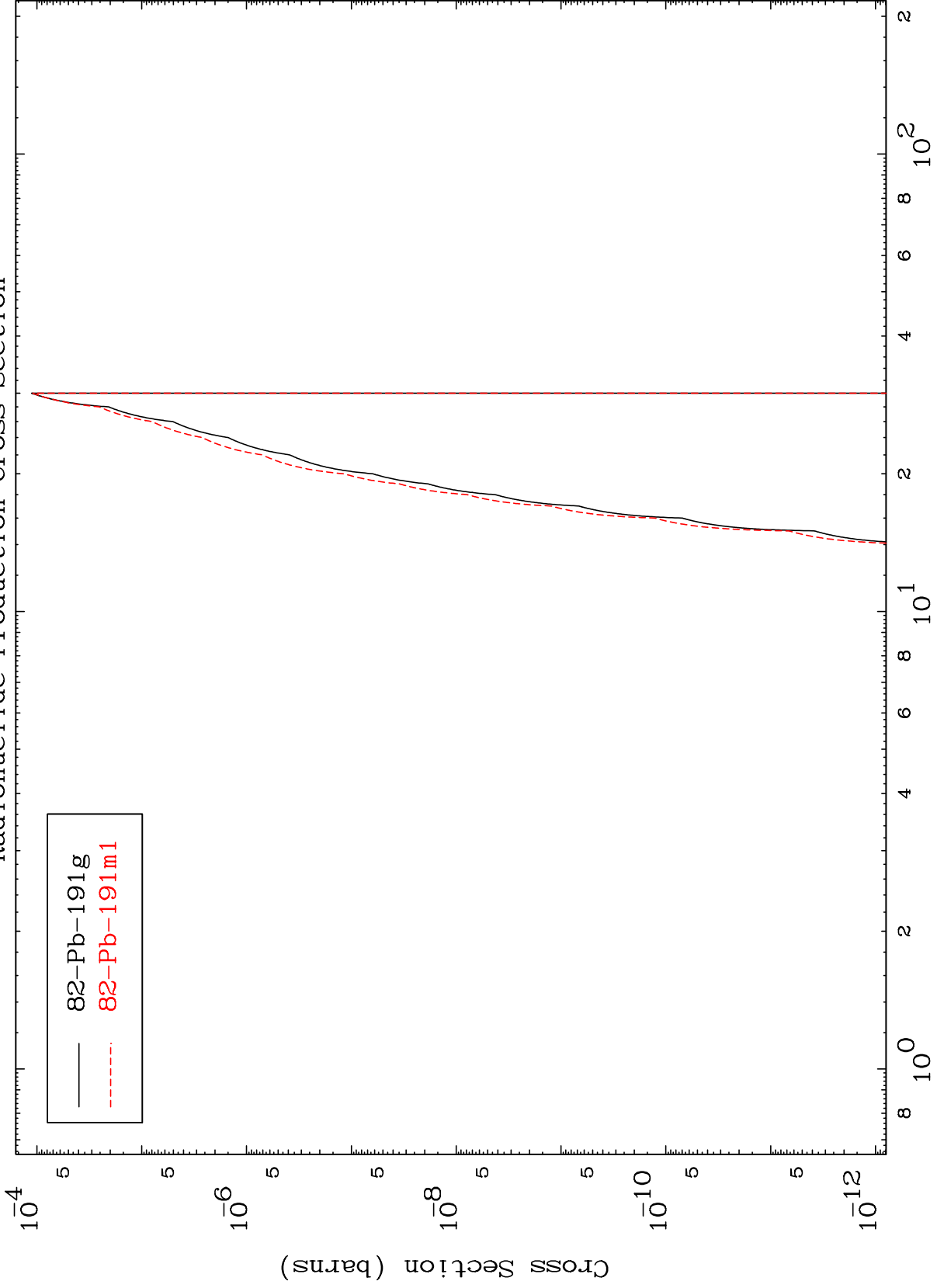
21

MAT 8274

(n,p) α

83-Bi-192

Radionuclide Production Cross Section



22

Incident Energy (MeV)

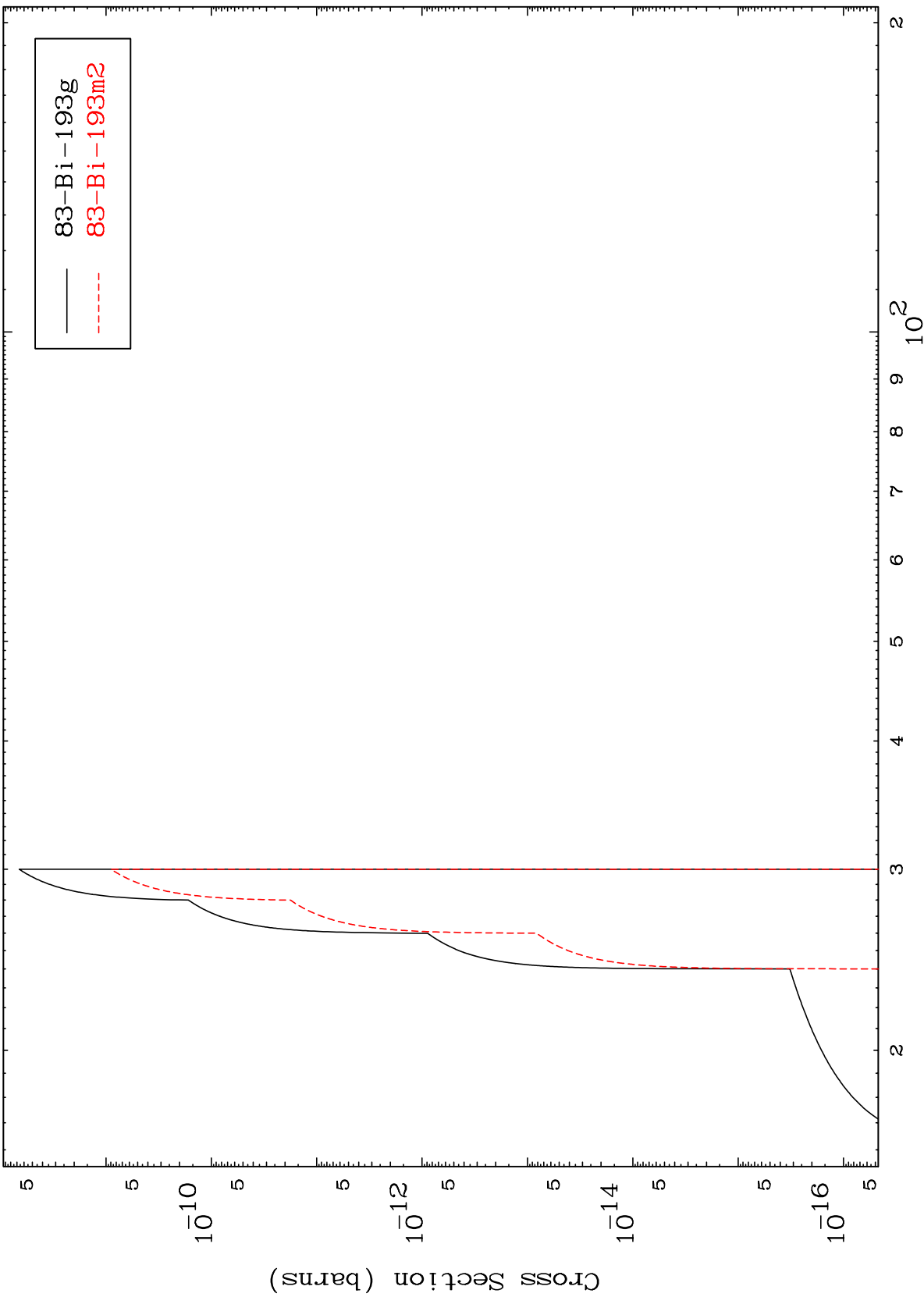
83-Bi-192

MAT 8274

(n,p) d

83-Bi-192

Radionuclide Production Cross Section



23

Incident Energy (MeV)

83-Bi-192