

Program EVALPLOT
(Version 2017-1)

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

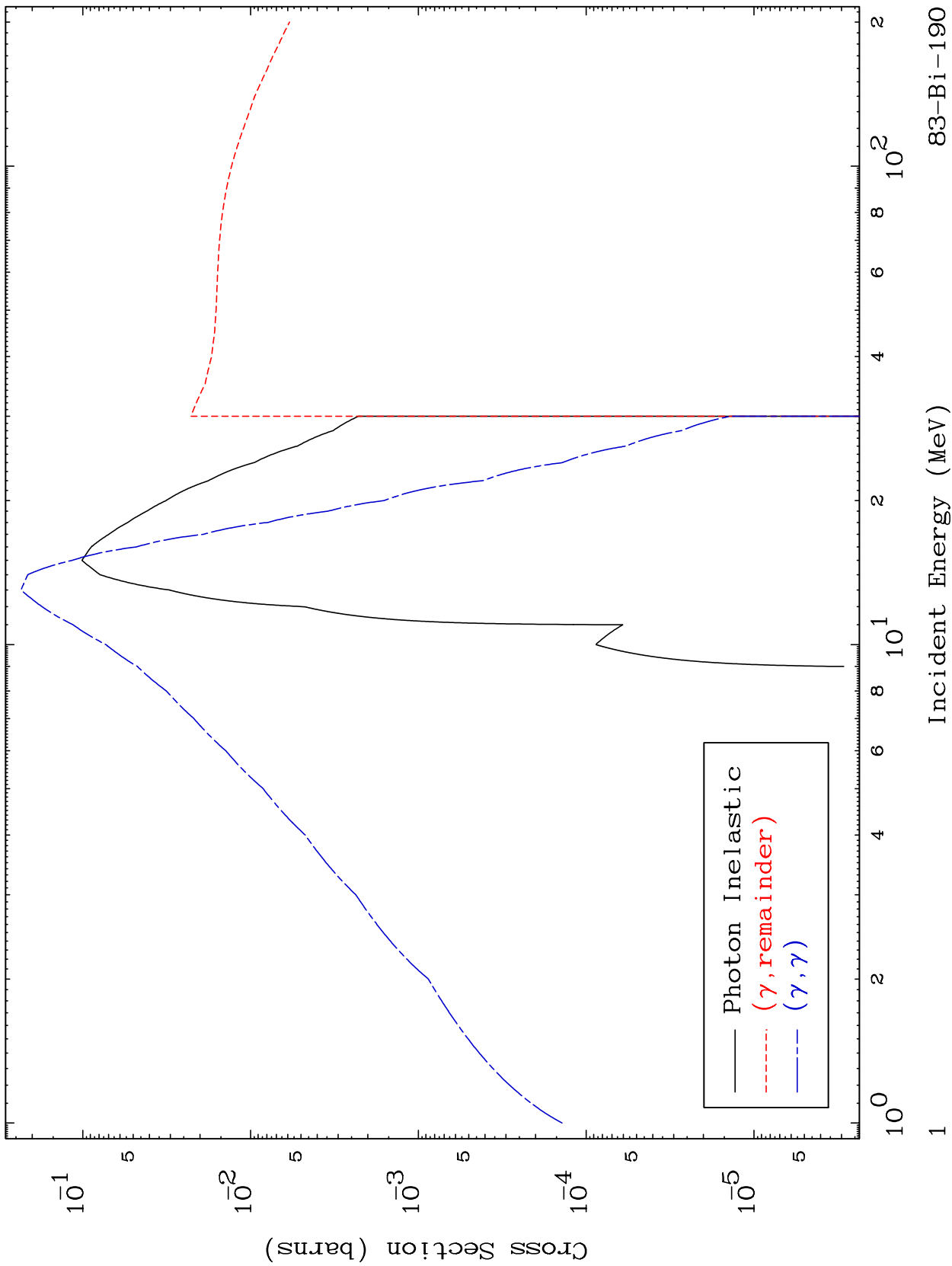
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8269

Photon Major
0 Kelvin Cross Sections

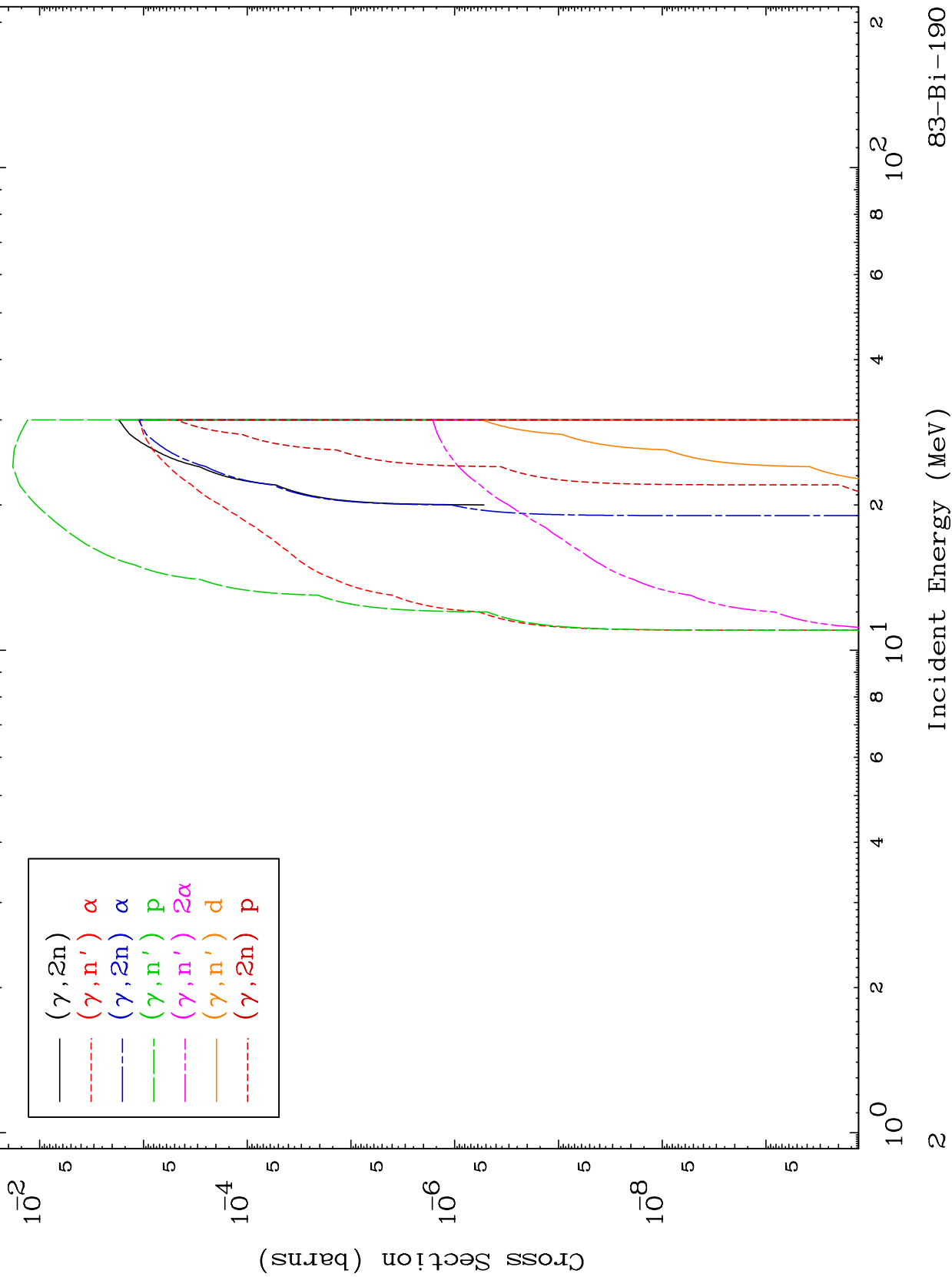
83-Bi-190



MAT 8269

Photon Neutron Production
0 Kelvin Cross Sections

83-Bi-190



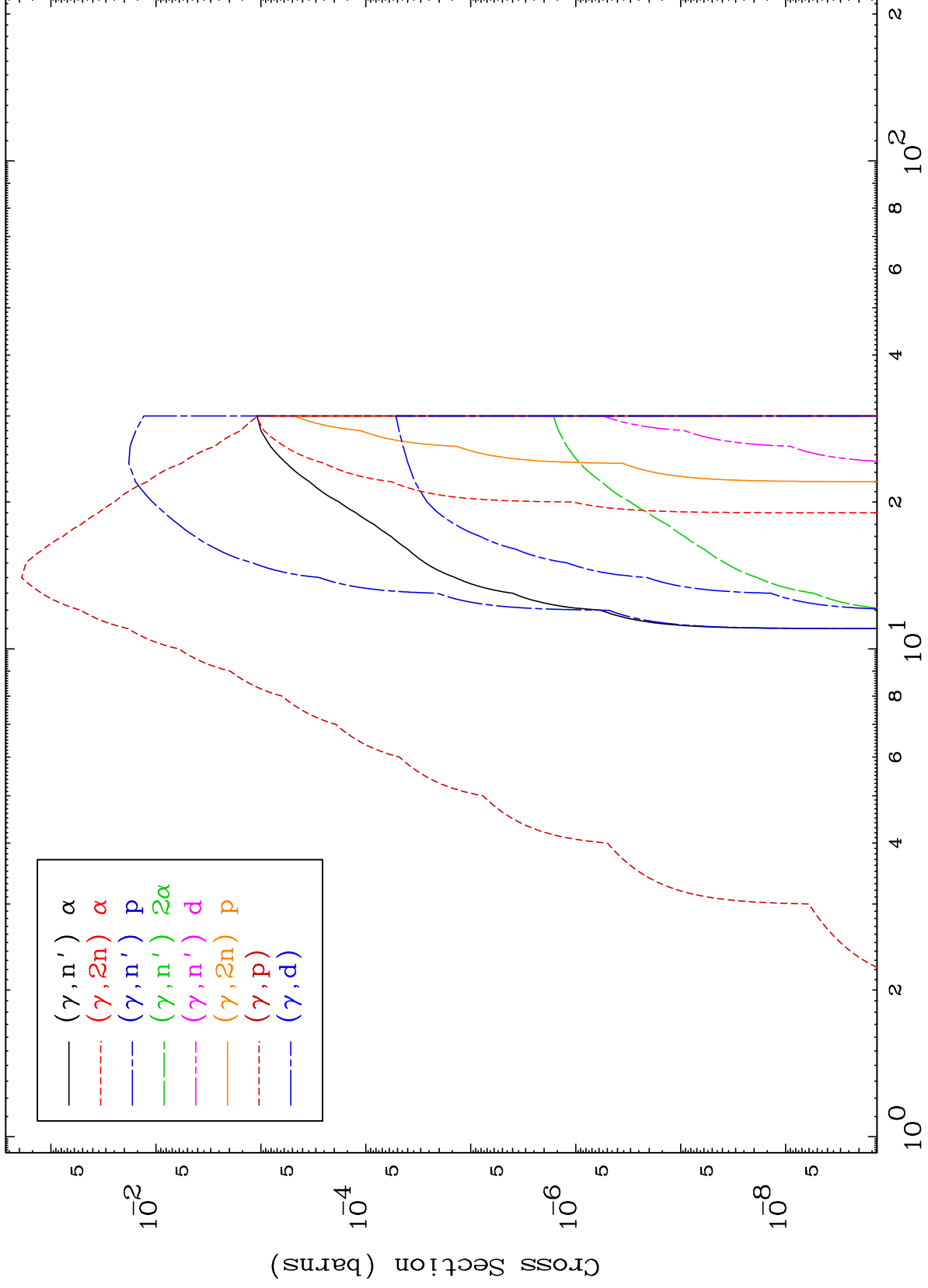
83-Bi-190

Incident Energy (MeV)

MAT 8269

Photon Charged Particle
0 Kelvin Cross Sections

83-Bi-190



Incident Energy (MeV)

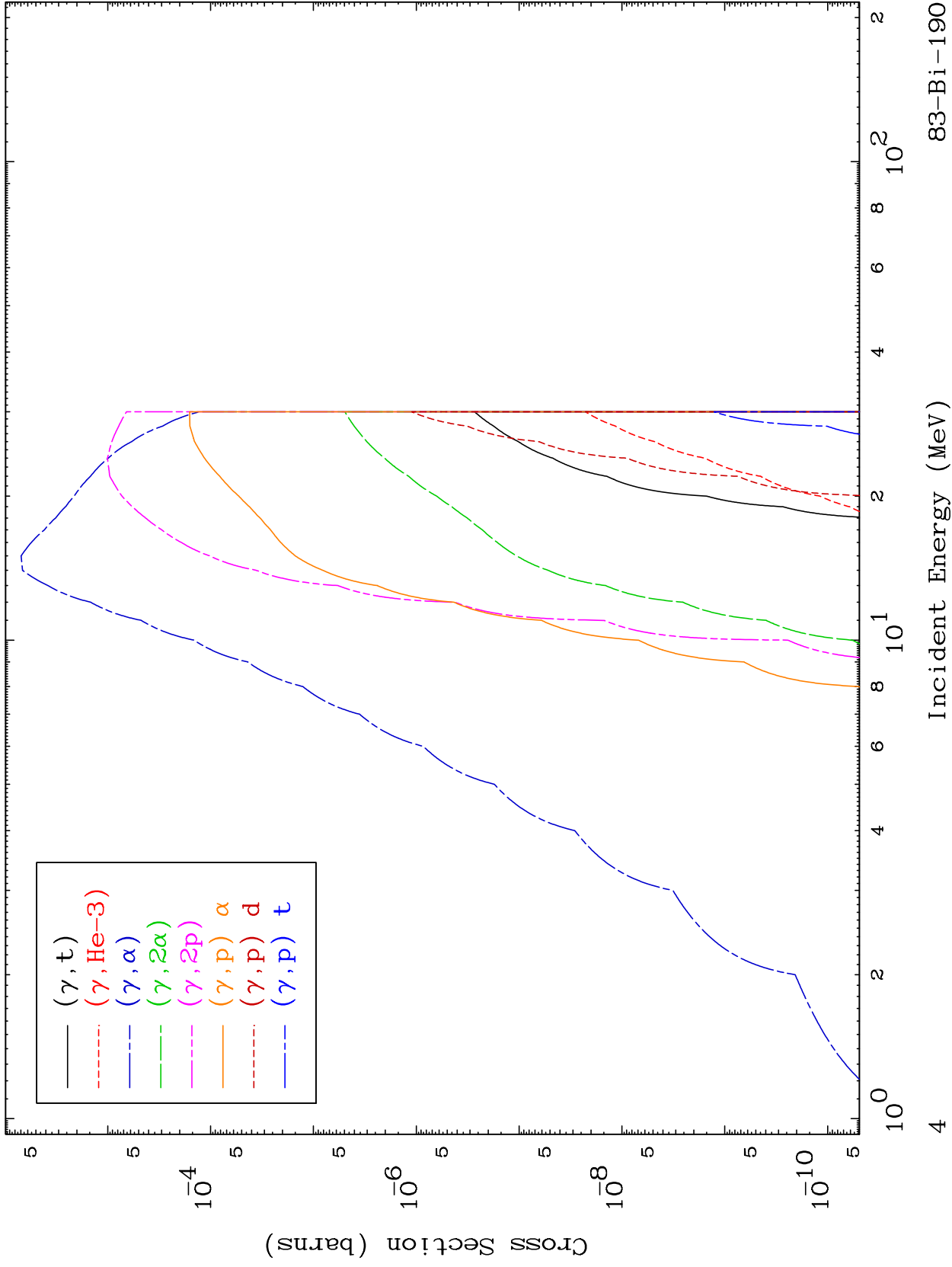
83-Bi-190

3

MAT 8269

Photon Charged Particle
0 Kelvin Cross Sections

83-Bi-190

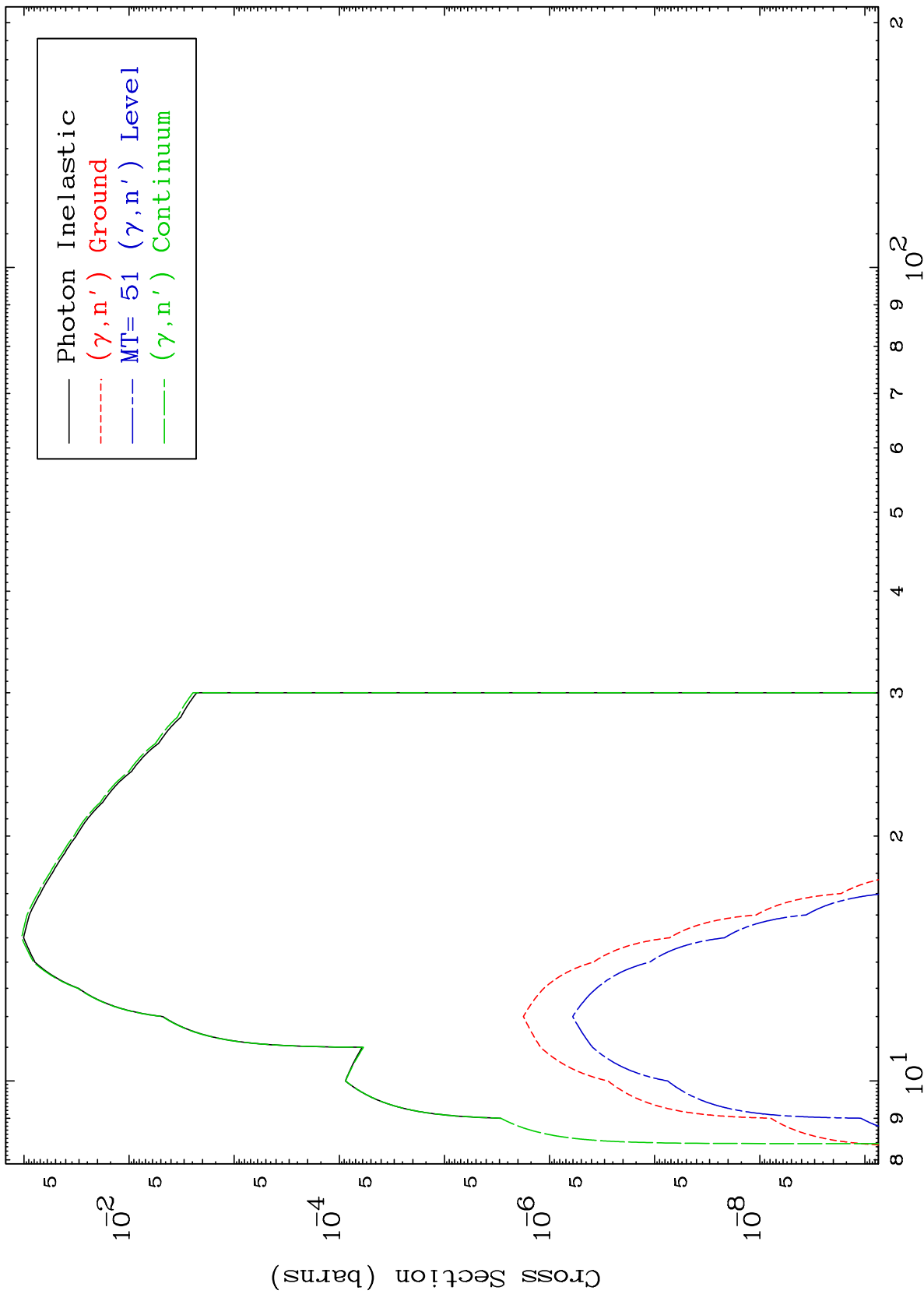


MAT 8269

(γ, n') Level

83-Bi-190

0 Kelvin Cross Sections



Incident Energy (MeV)

83-Bi-190

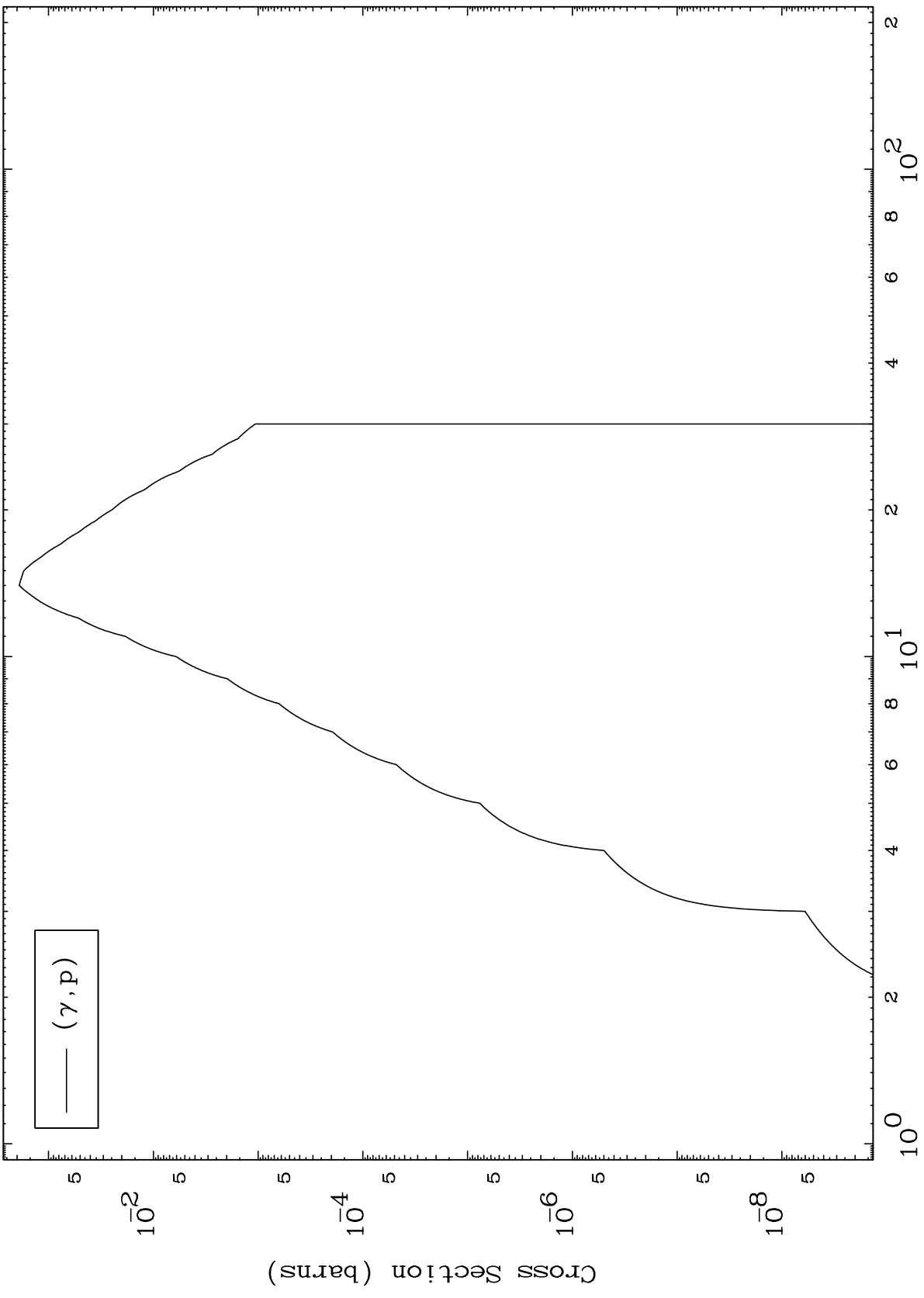
5

MAT 8269

(γ, p) Levels

83-Bi-190

0 Kelvin Cross Sections



(γ, p)

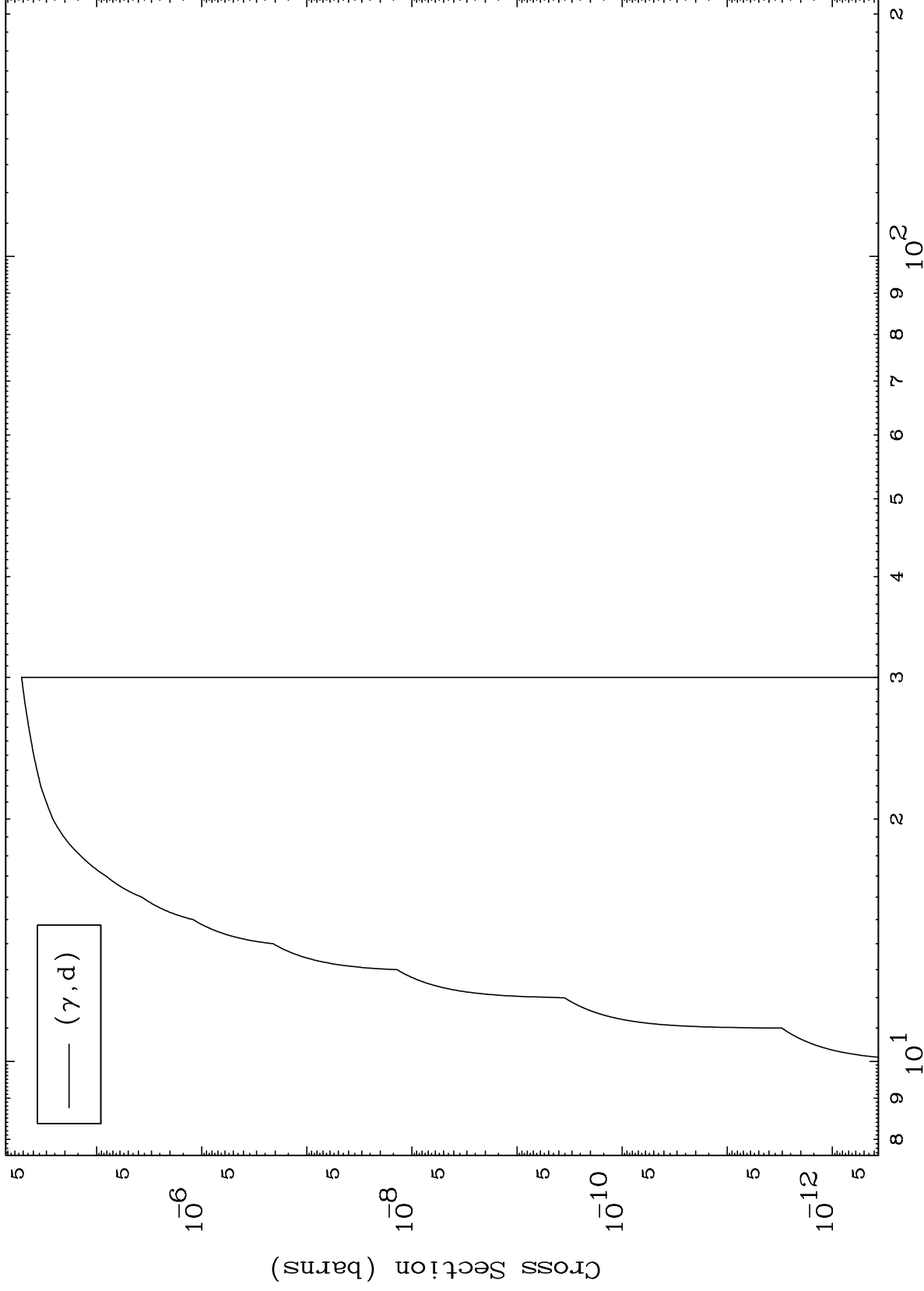
Incident Energy (MeV)

83-Bi-190

MAT 8269

(γ, d) Levels
0 Kelvin Cross Sections

83-Bi-190



7

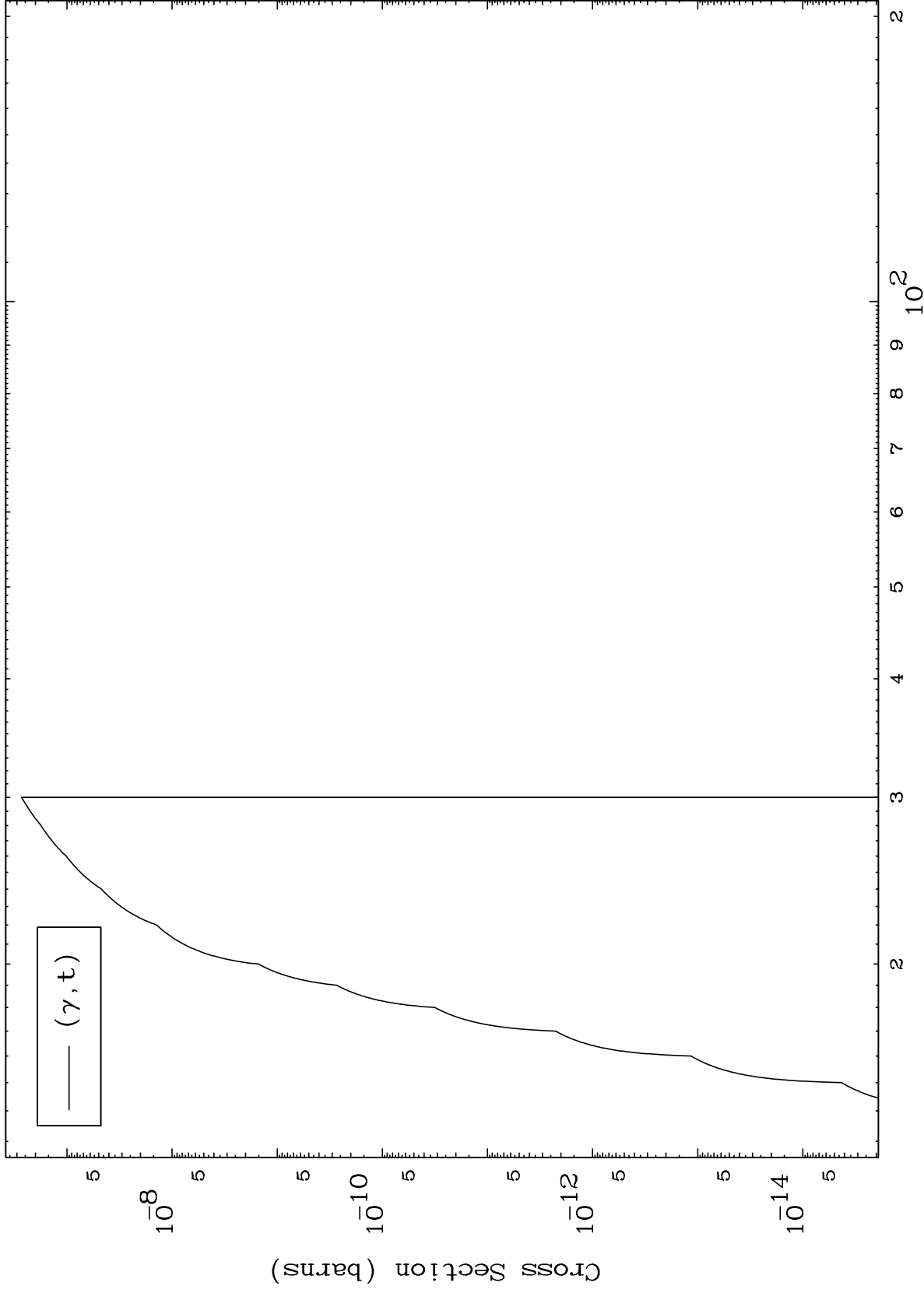
Incident Energy (MeV)

83-Bi-190

MAT 8269

(γ, t) Levels
0 Kelvin Cross Sections

83-Bi-190



8

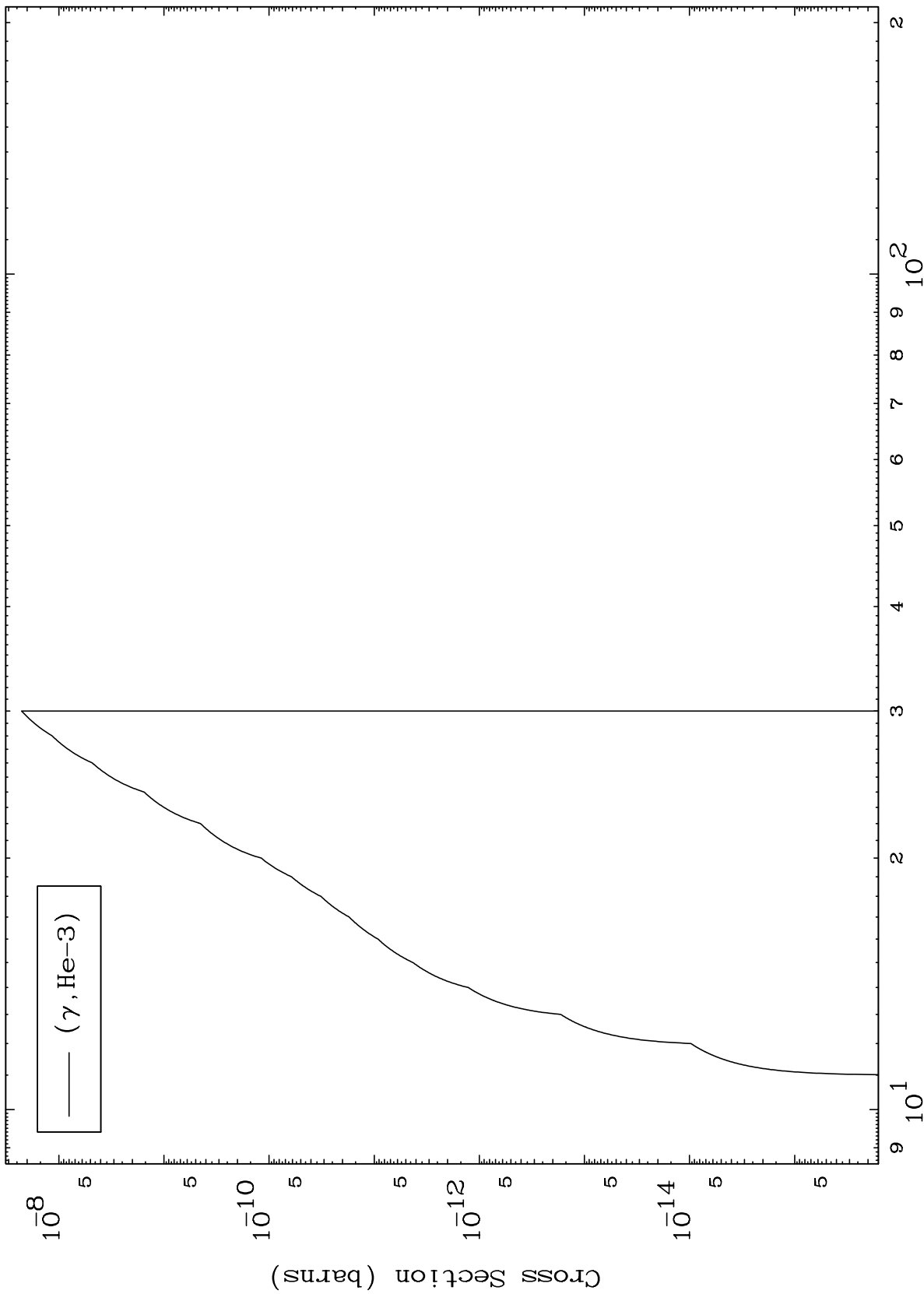
Incident Energy (MeV)

83-Bi-190

MAT 8269

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

83-Bi-190



9

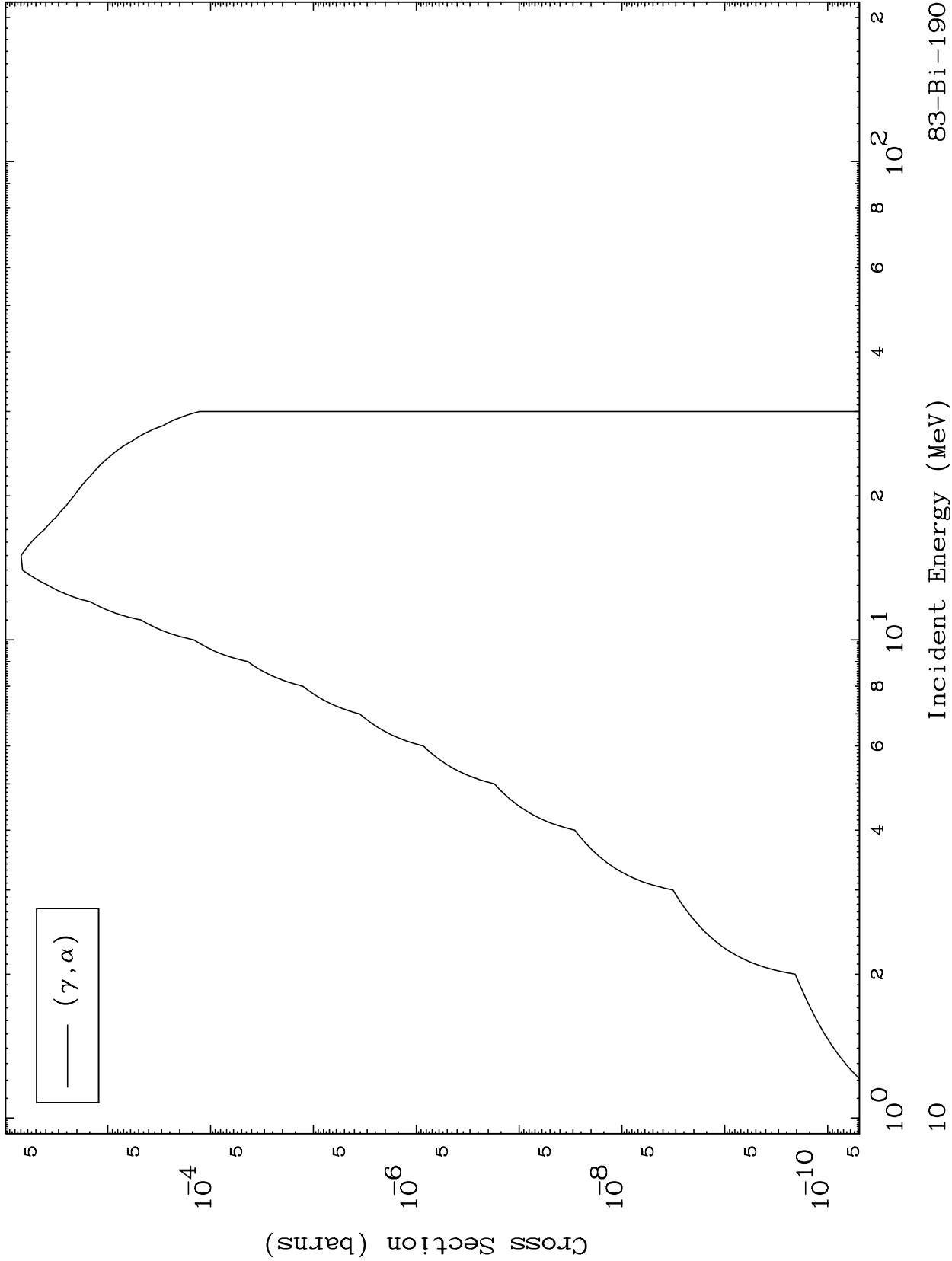
Incident Energy (MeV)

83-Bi-190

MAT 8269

(γ, α) Levels
0 Kelvin Cross Sections

83-Bi-190

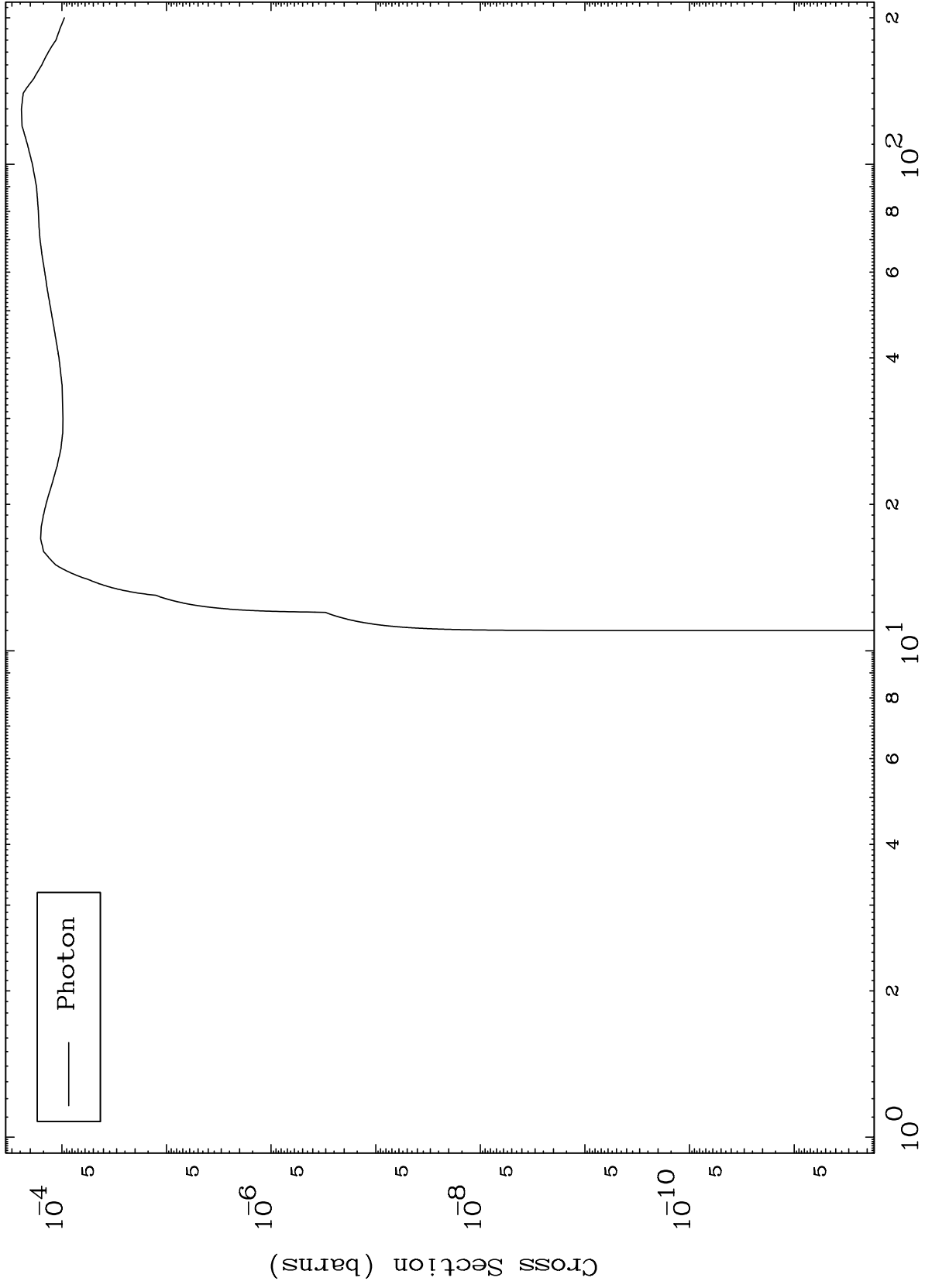


83-Bi-190

MAT 8269

83-Bi-190

Photon Fission
Radionuclide Production Cross Section



11

Incident Energy (MeV)

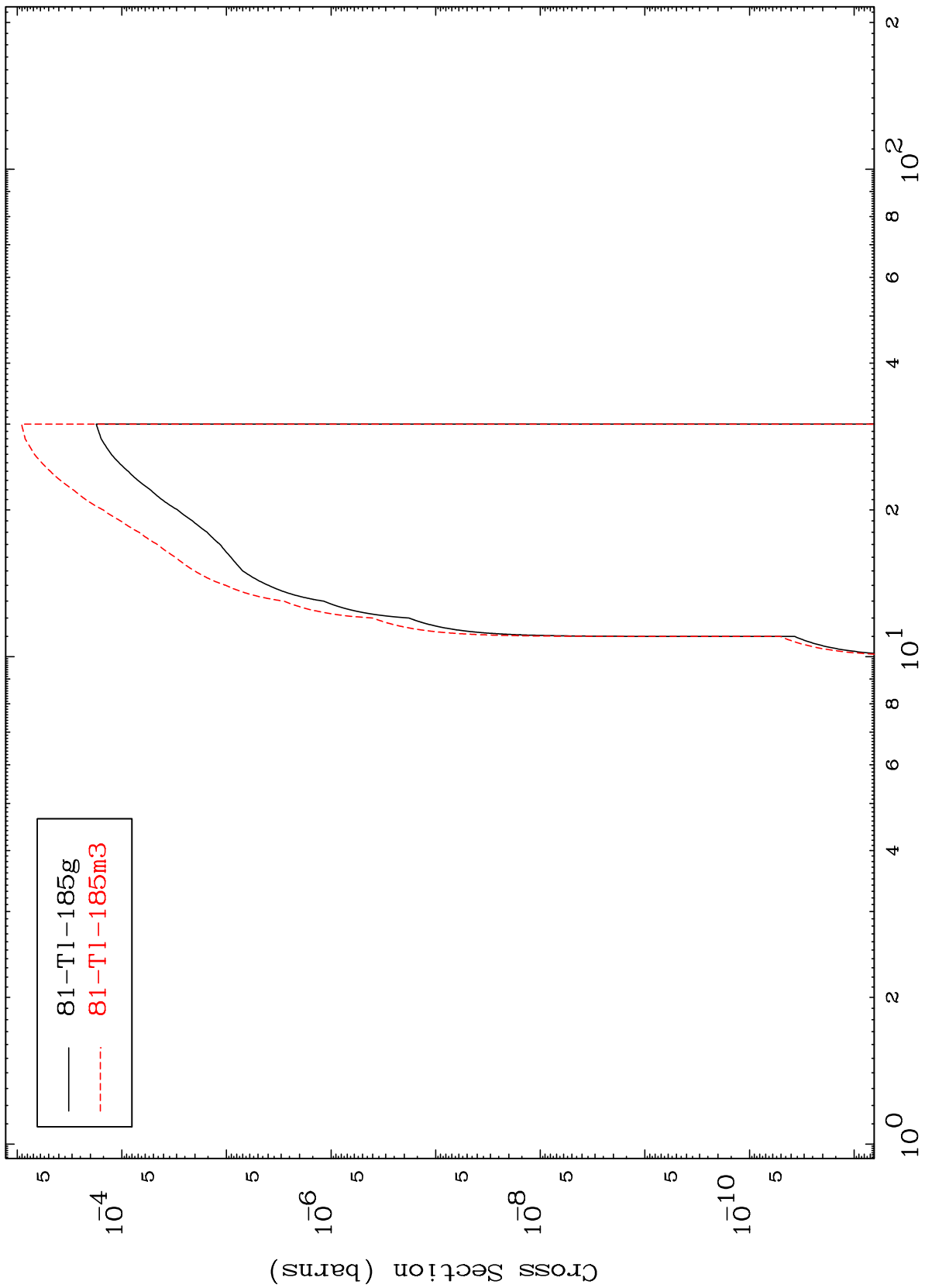
83-Bi-190

MAT 8269

(γ, n') α

83-Bi-190

Radionuclide Production Cross Section



81-Tl-185g
81-Tl-185m3

12

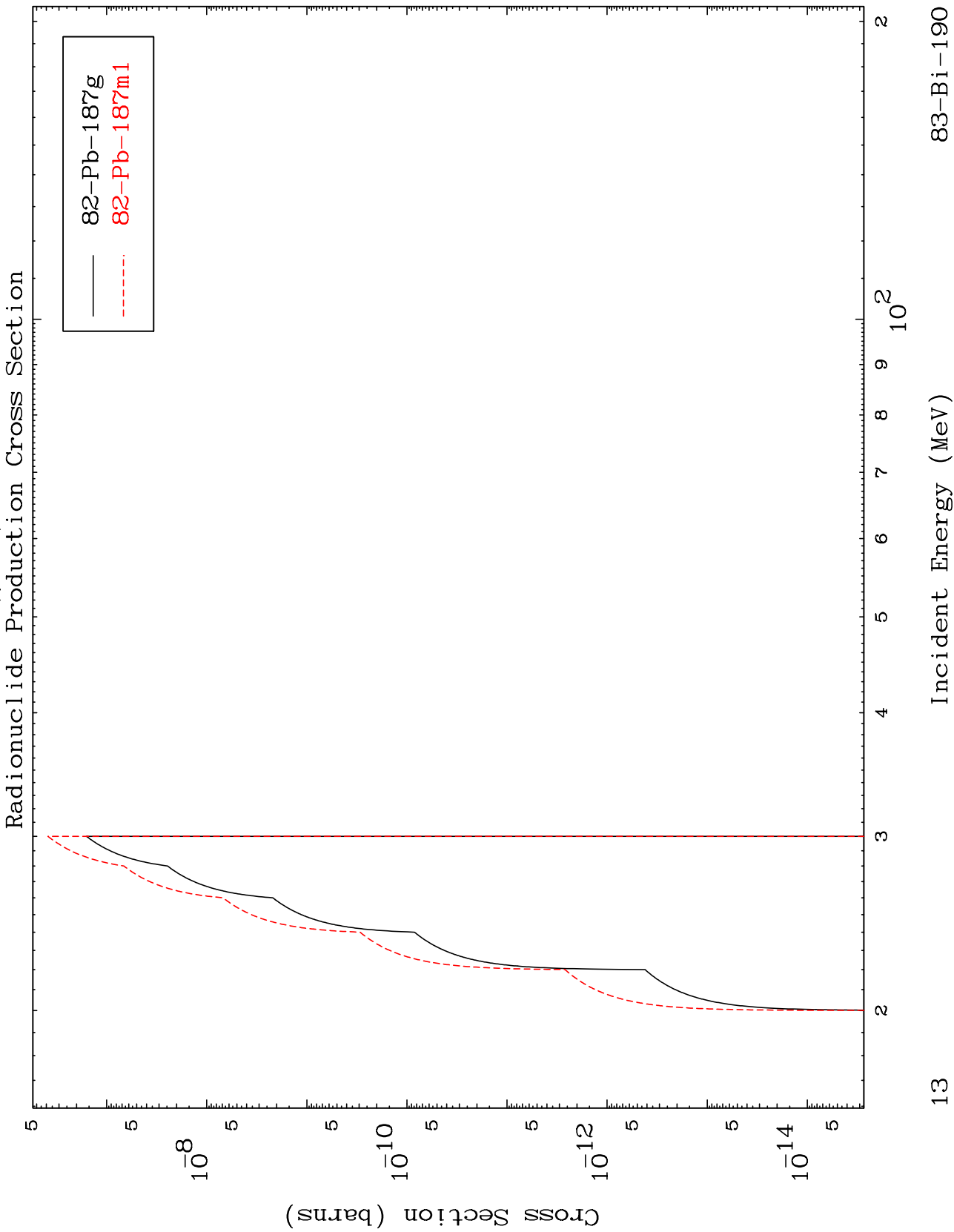
Incident Energy (MeV)

83-Bi-190

MAT 8269

(γ, n') d

83-Bi-190



13

Incident Energy (MeV)

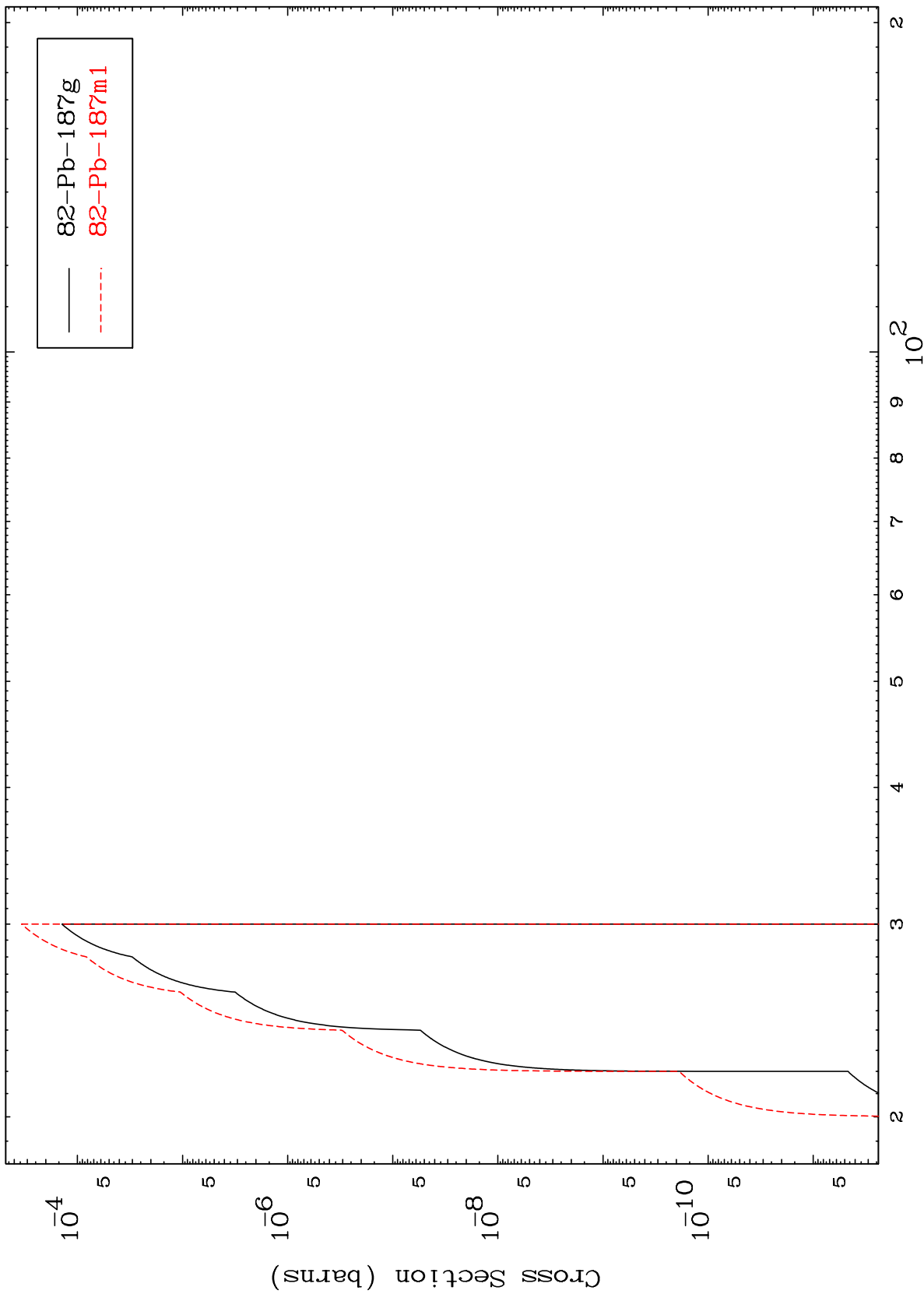
83-Bi-190

MAT 8269

$(\gamma, 2n)$ p

83-Bi-190

Radionuclide Production Cross Section



14

Incident Energy (MeV)

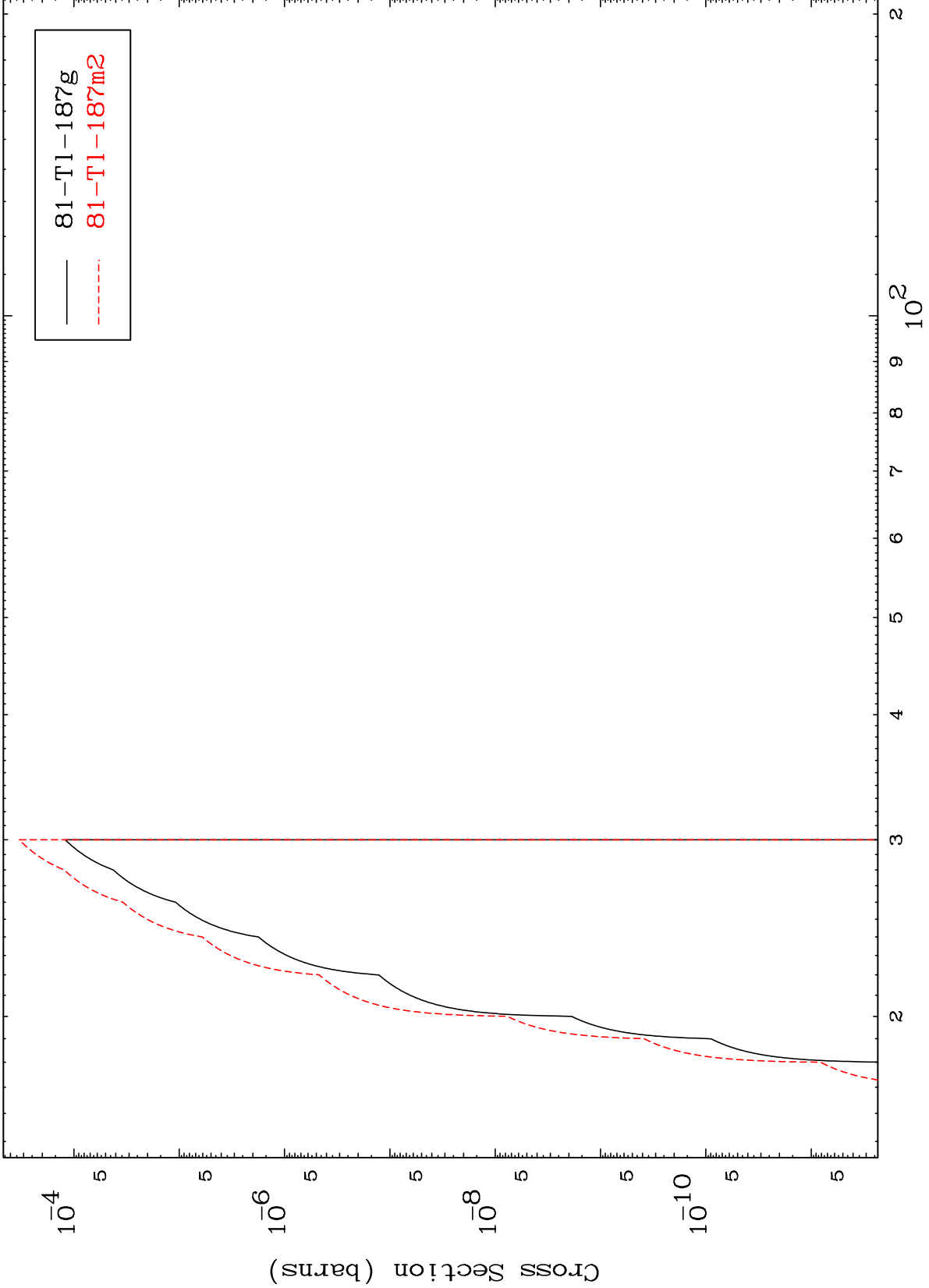
83-Bi-190

MAT 8269

$(\gamma, 2n)$ p

83-Bi-190

Radionuclide Production Cross Section



15

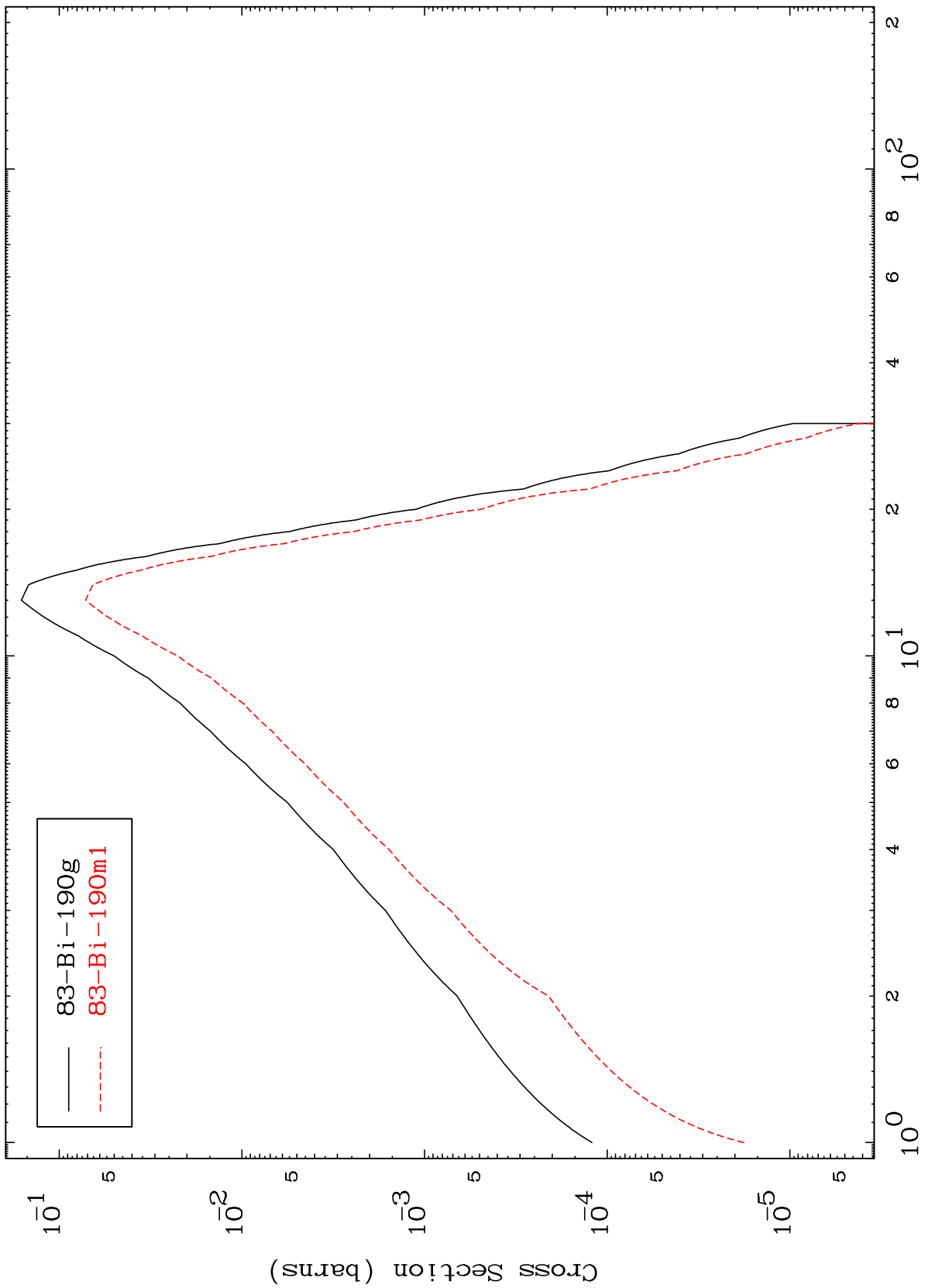
Incident Energy (MeV)

83-Bi-190

MAT 8269

83-Bi-190

Radionuclide Production Cross Section
(γ, γ)



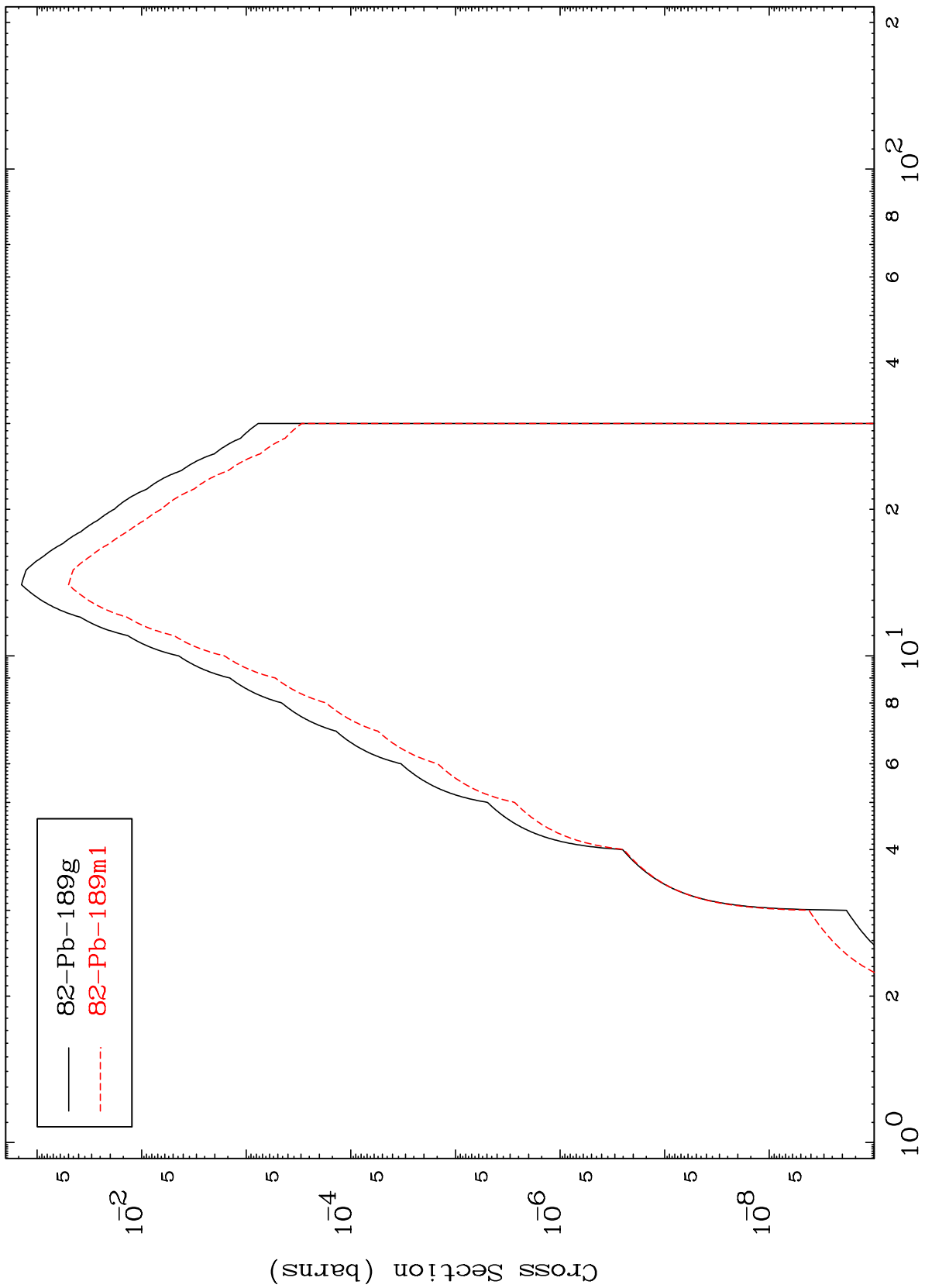
Incident Energy (MeV)

83-Bi-190

MAT 8269

83-Bi-190

(γ, p)
Radionuclide Production Cross Section



Incident Energy (MeV)

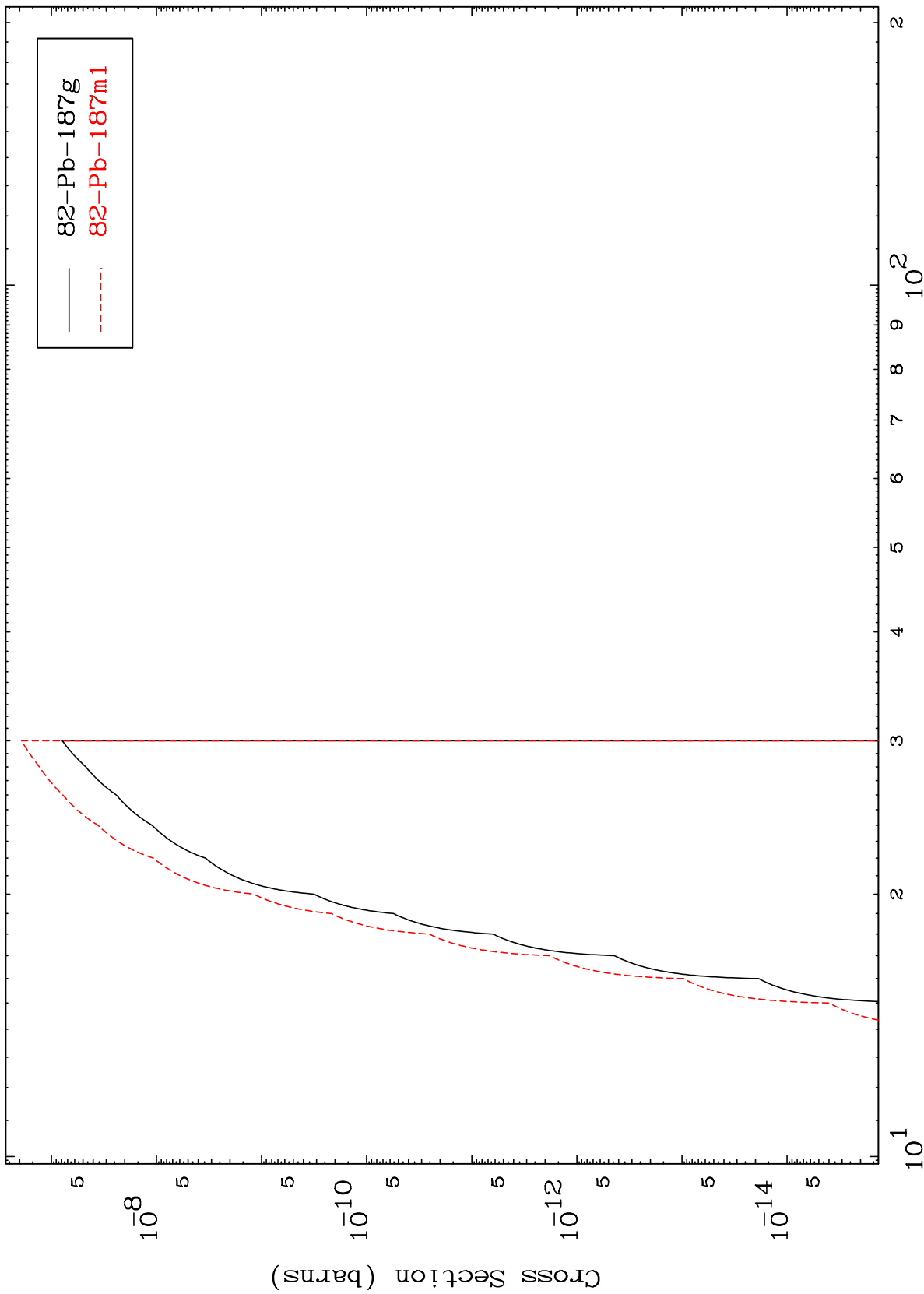
83-Bi-190

17

MAT 8269

83-Bi-190

(γ, t)
Radionuclide Production Cross Section



83-Bi-190

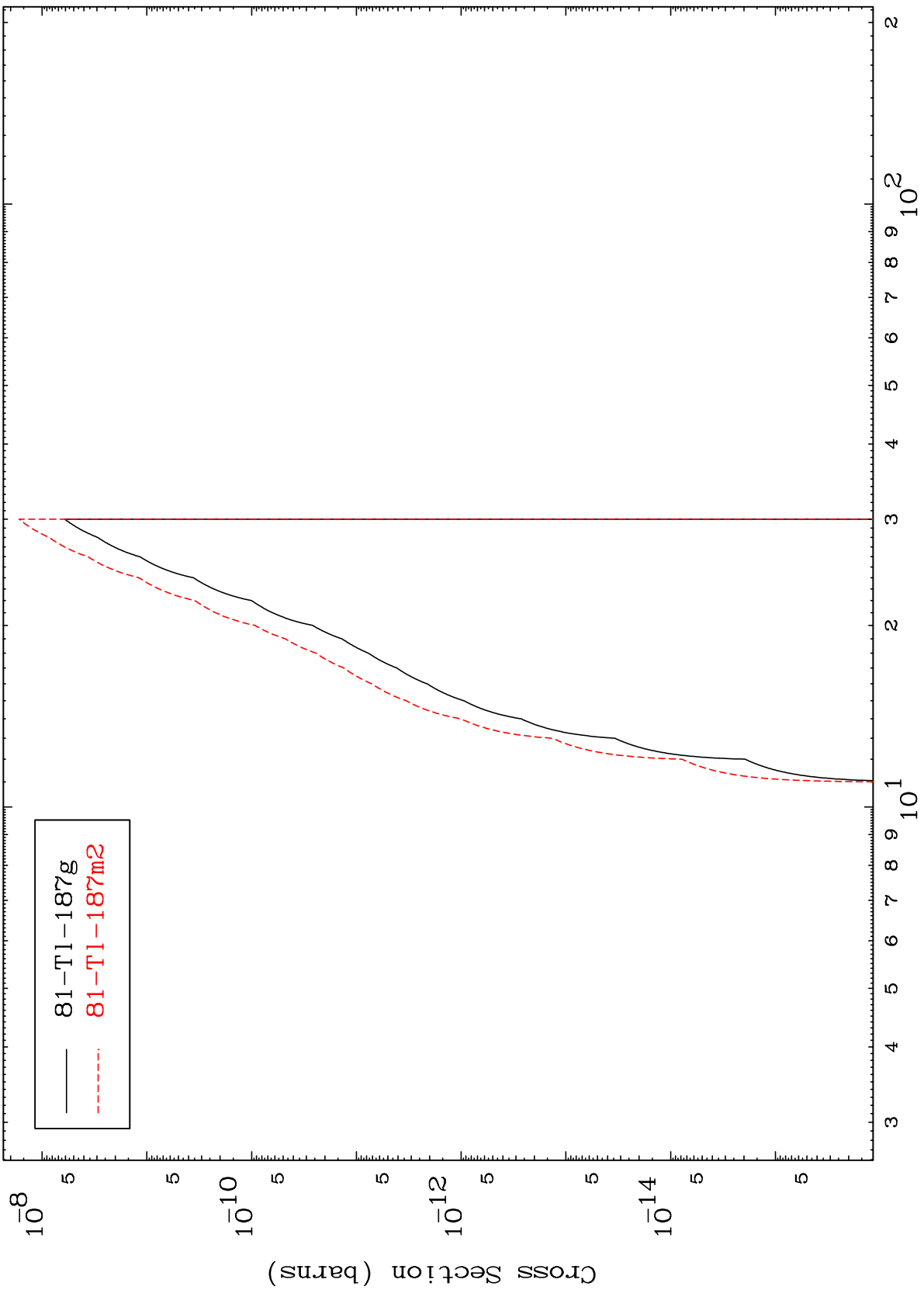
Incident Energy (MeV)

18

MAT 8269

83-Bi-190

Radionuclide Production Cross Section
($\gamma, \text{He-3}$)



19

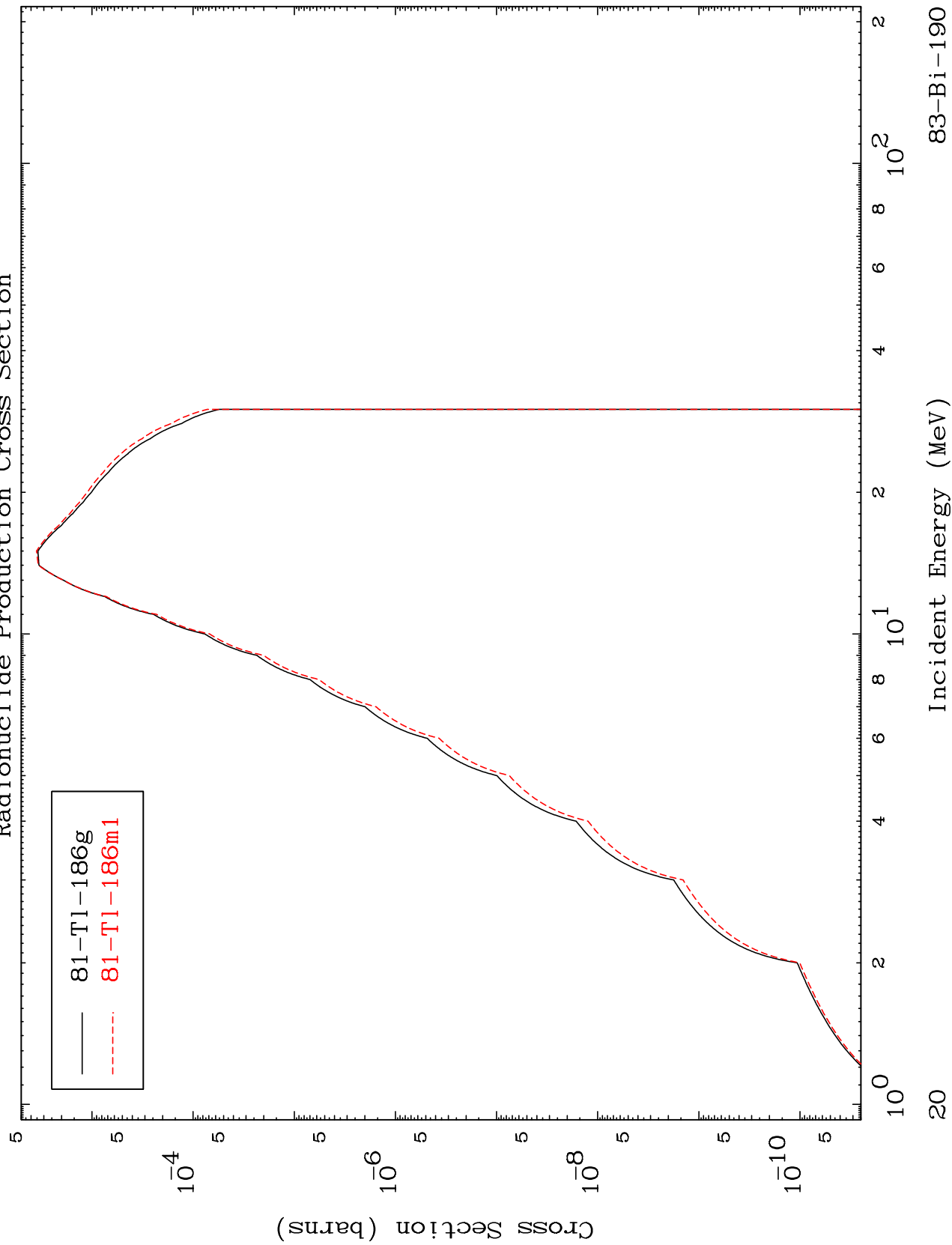
Incident Energy (MeV)

83-Bi-190

MAT 8269

83-Bi-190

Radionuclide Production Cross Section
(γ, α)



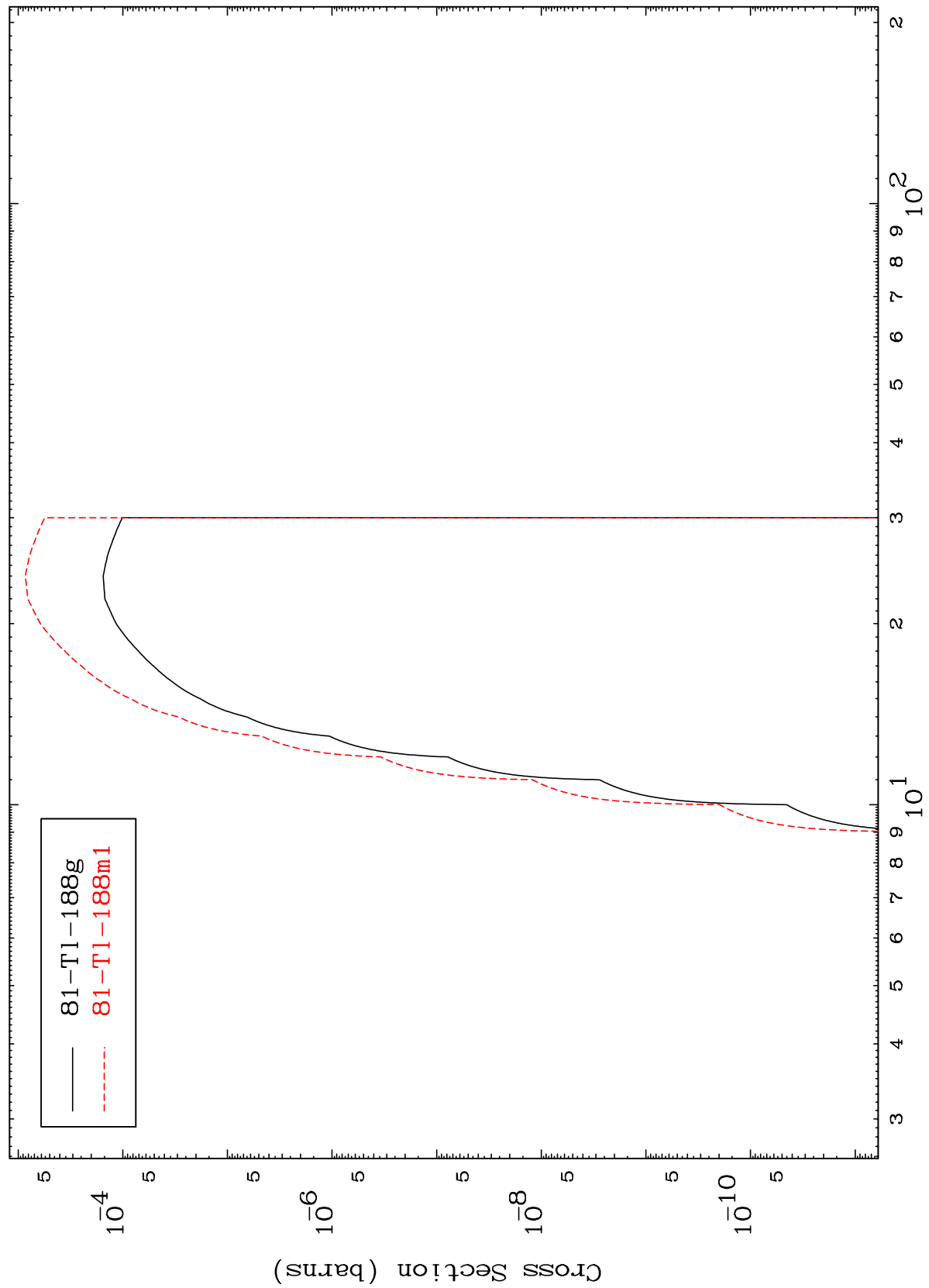
Incident Energy (MeV)

83-Bi-190

MAT 8269

83-Bi-190

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



21

83-Bi-190

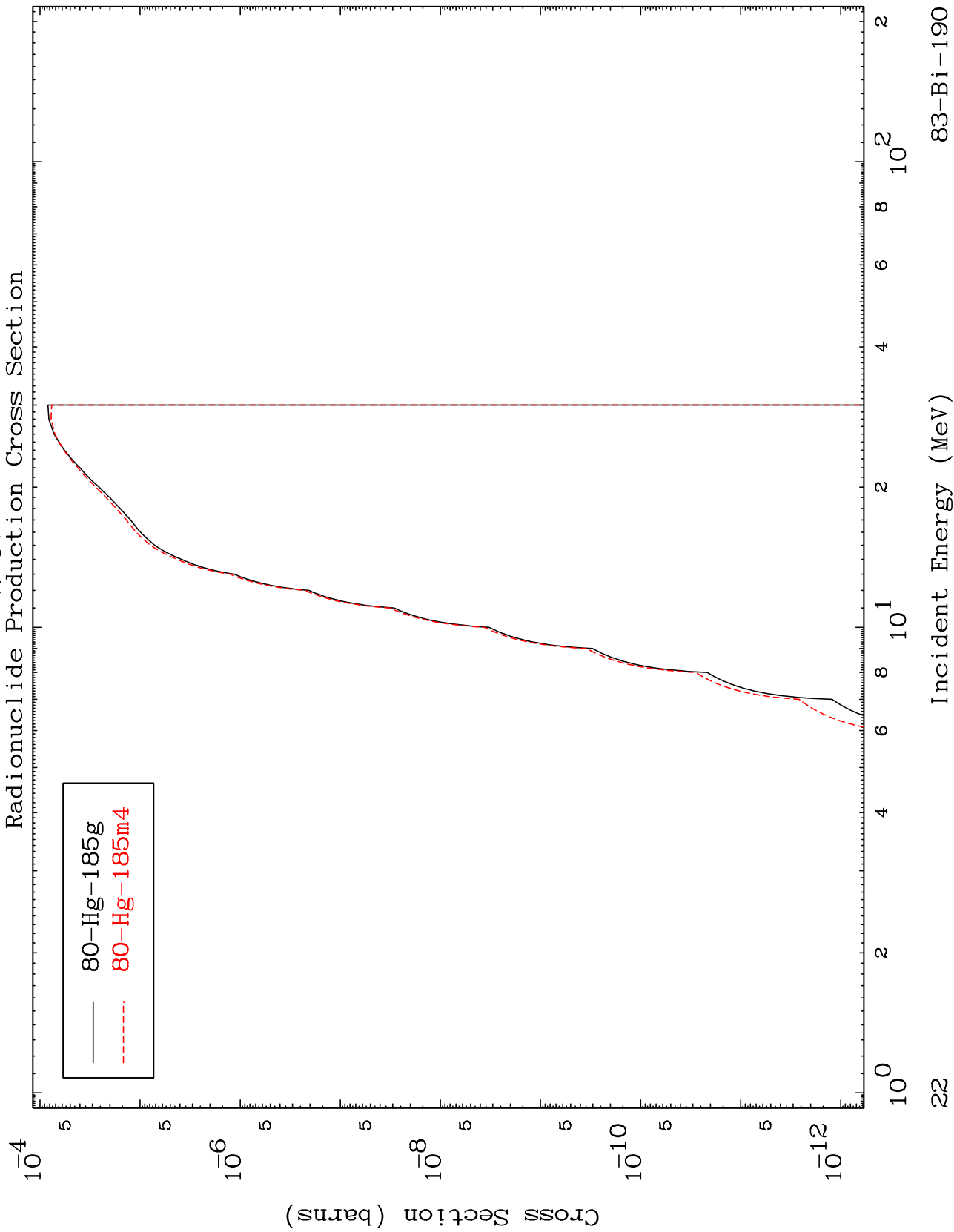
Incident Energy (MeV)

MAT 8269

(γ, p) α

83-Bi-190

Radionuclide Production Cross Section



22

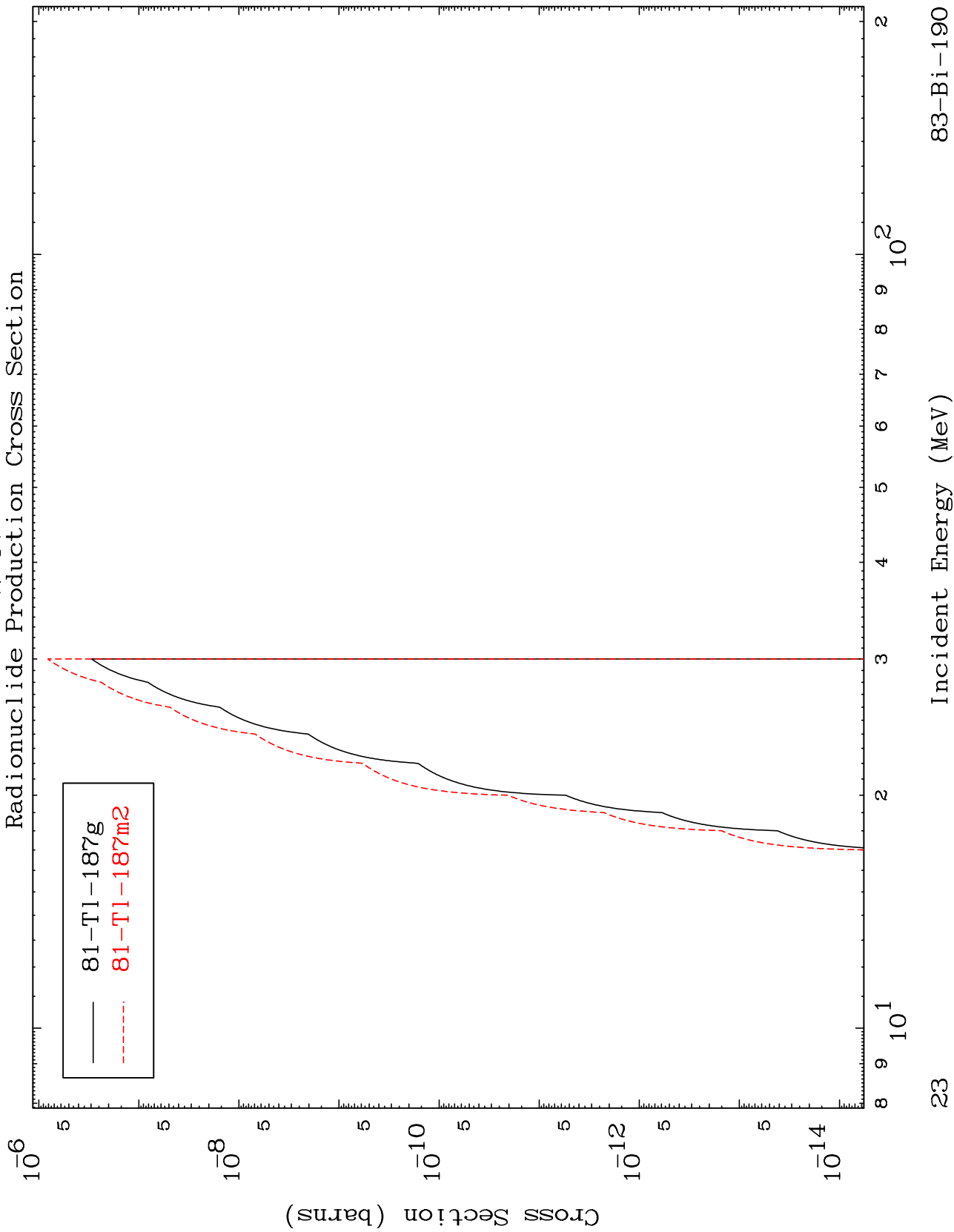
Incident Energy (MeV)

83-Bi-190

MAT 8269

(γ, p) d

83-Bi-190

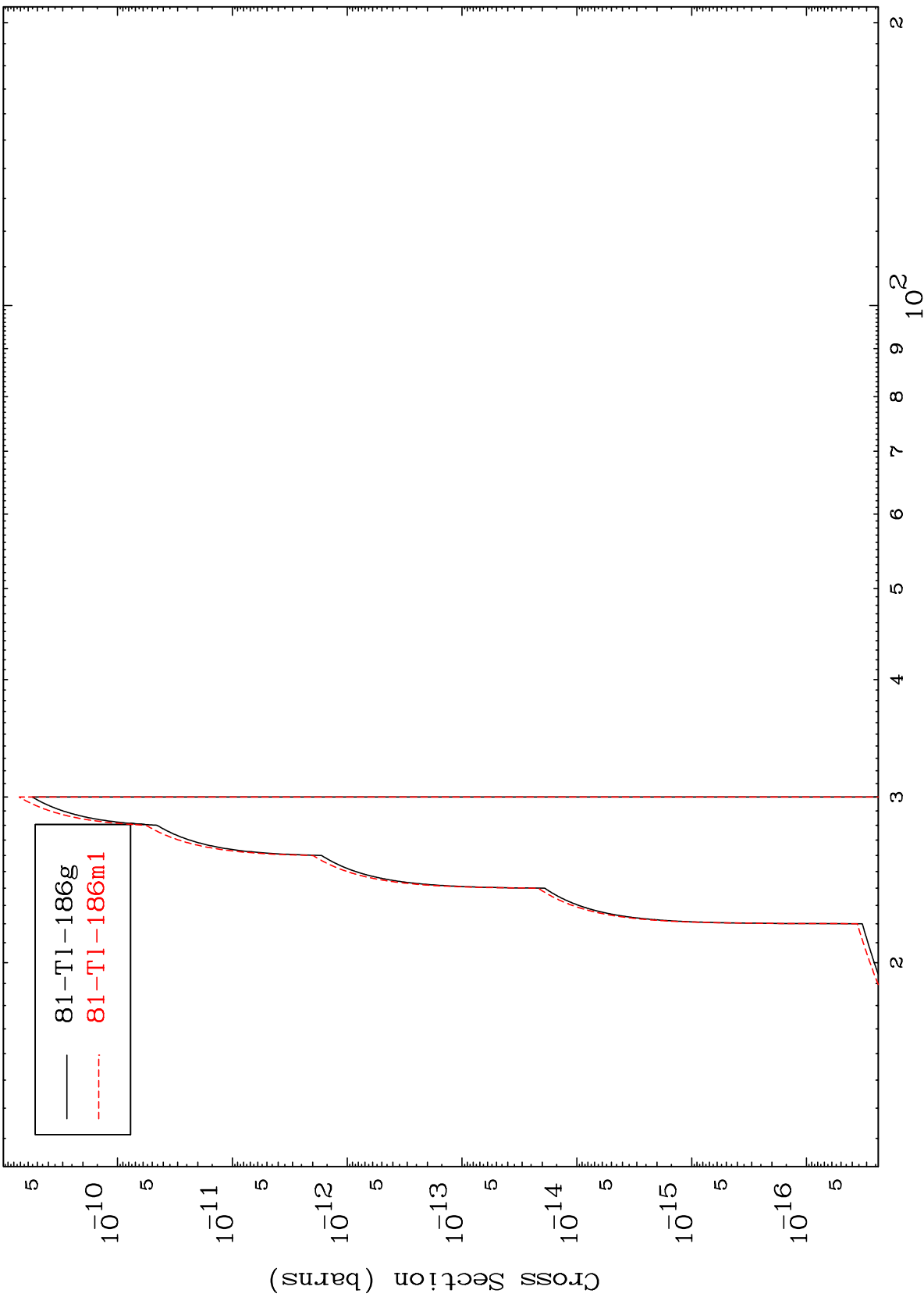


MAT 8269

(γ, p) t

83-Bi-190

Radionuclide Production Cross Section



24

Incident Energy (MeV)

83-Bi-190