

Program EVALPLOT
(Version 2018-1)

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

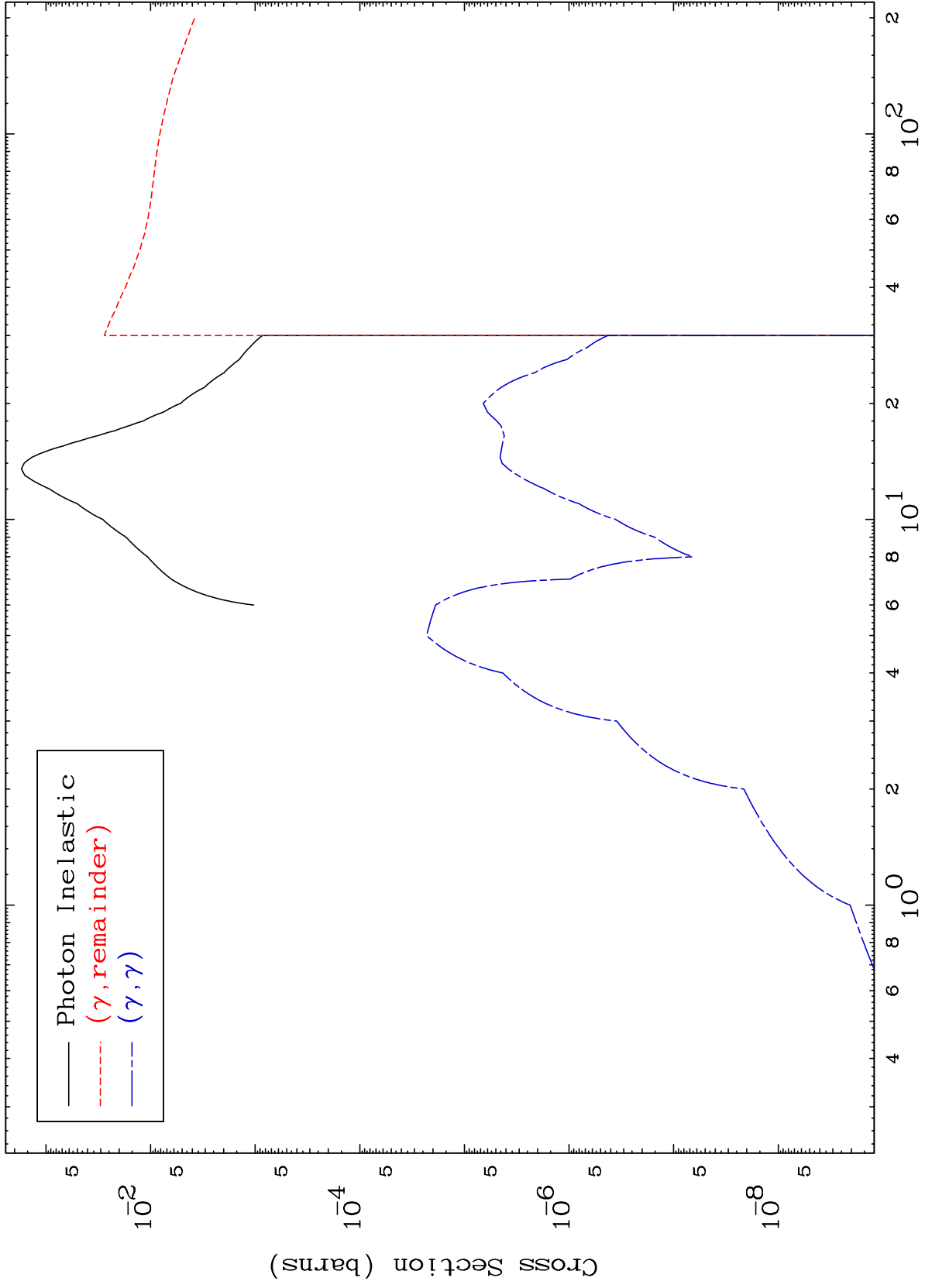
Press Mouse Button to Start

MAT 5083

Photon Major

50-Sn-131

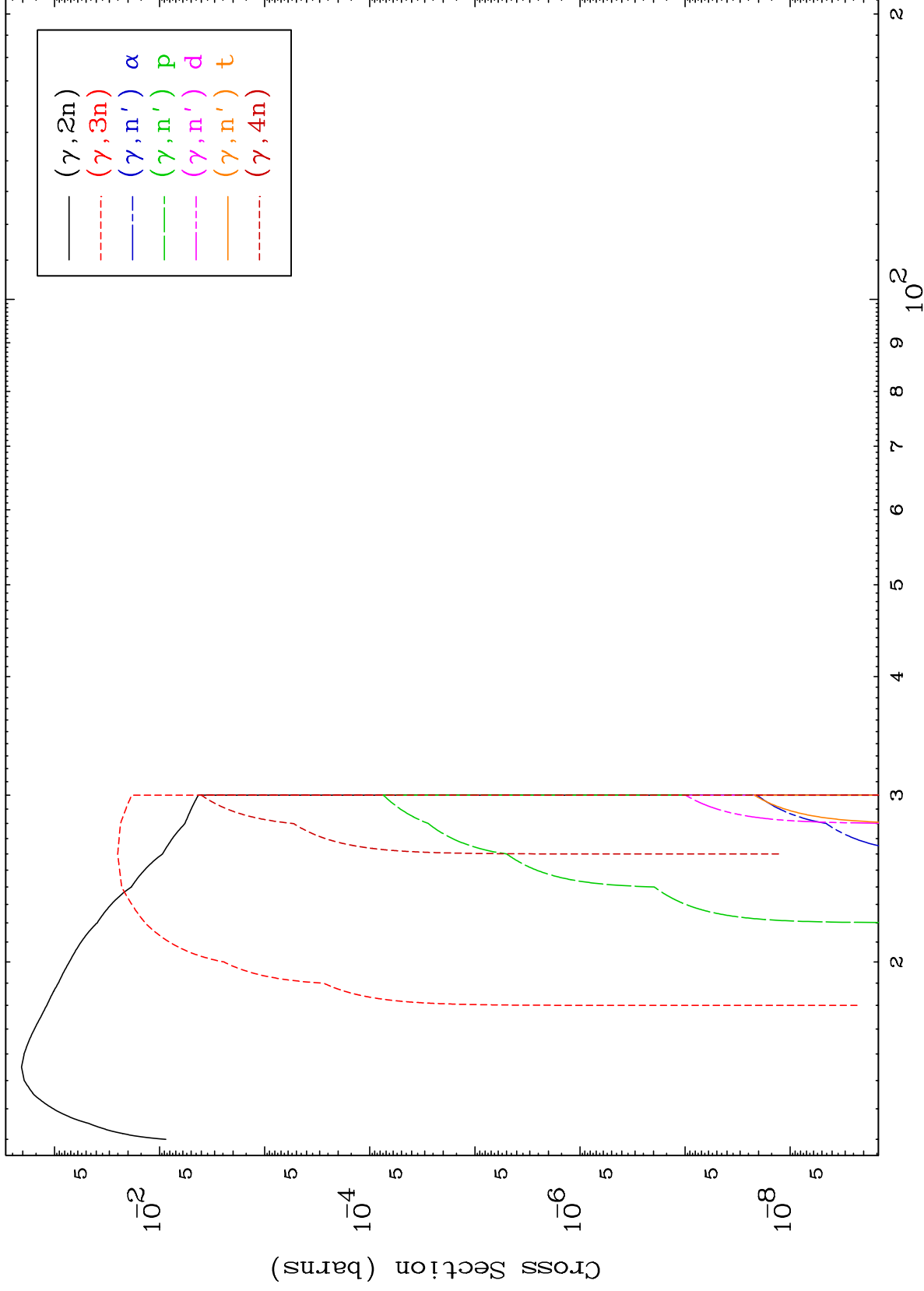
0 Kelvin Cross Sections



MAT 5083

Photon Neutron Production
0 Kelvin Cross Sections

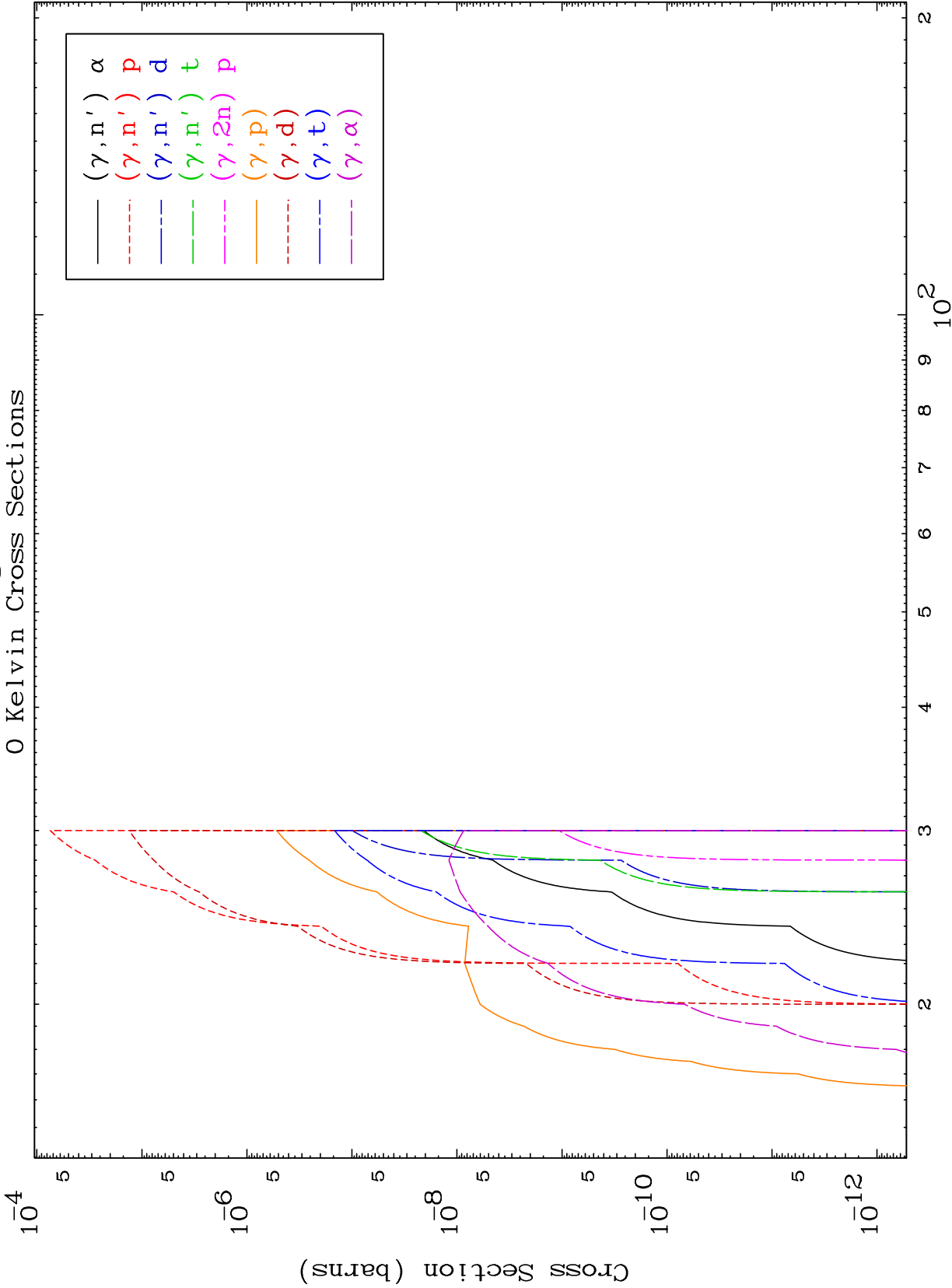
50-Sn-131



2

Incident Energy (MeV)

50-Sn-131

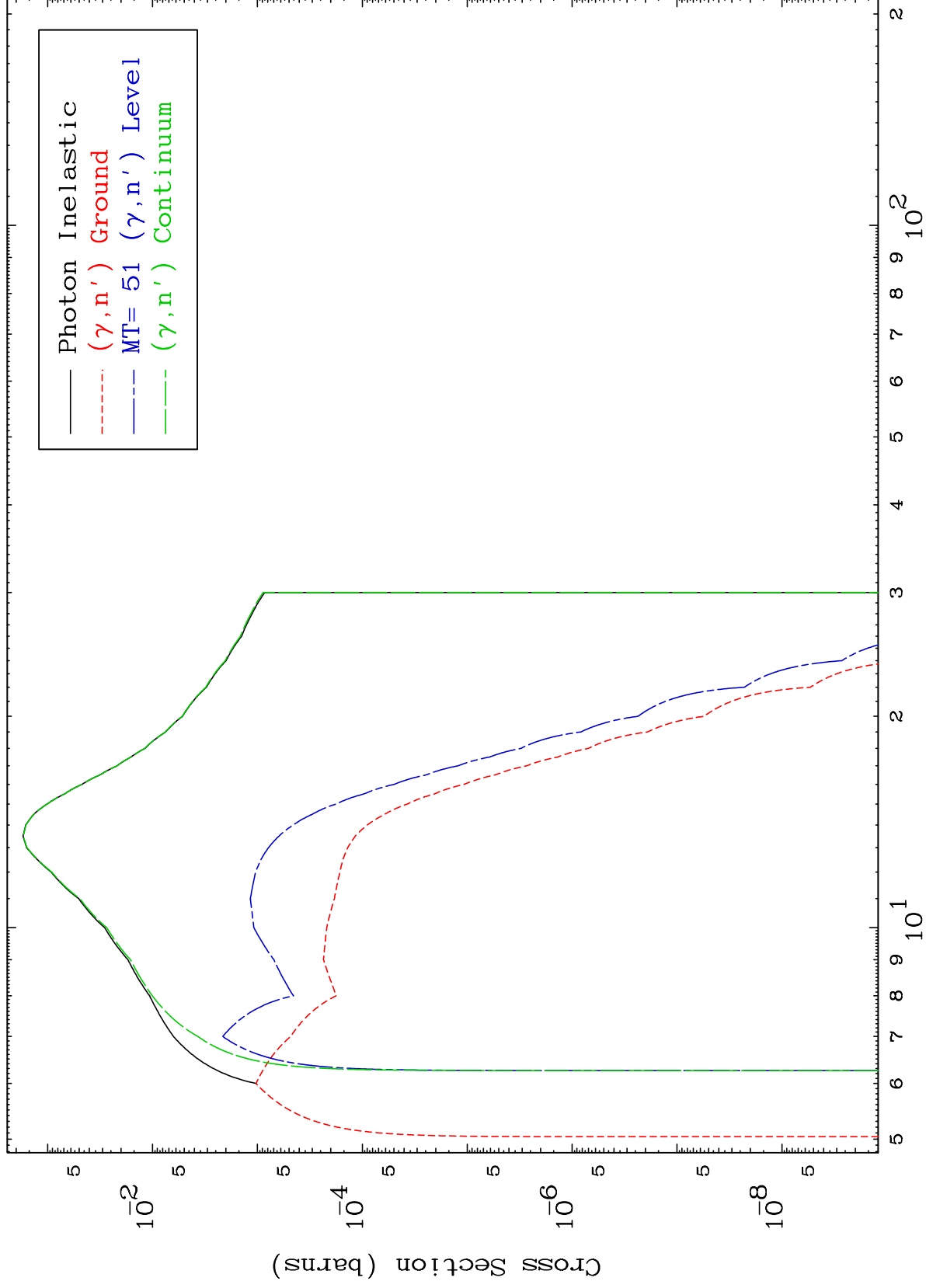


MAT 5083

(γ, n') Level

50-Sn-131

0 Kelvin Cross Sections



Incident Energy (MeV)

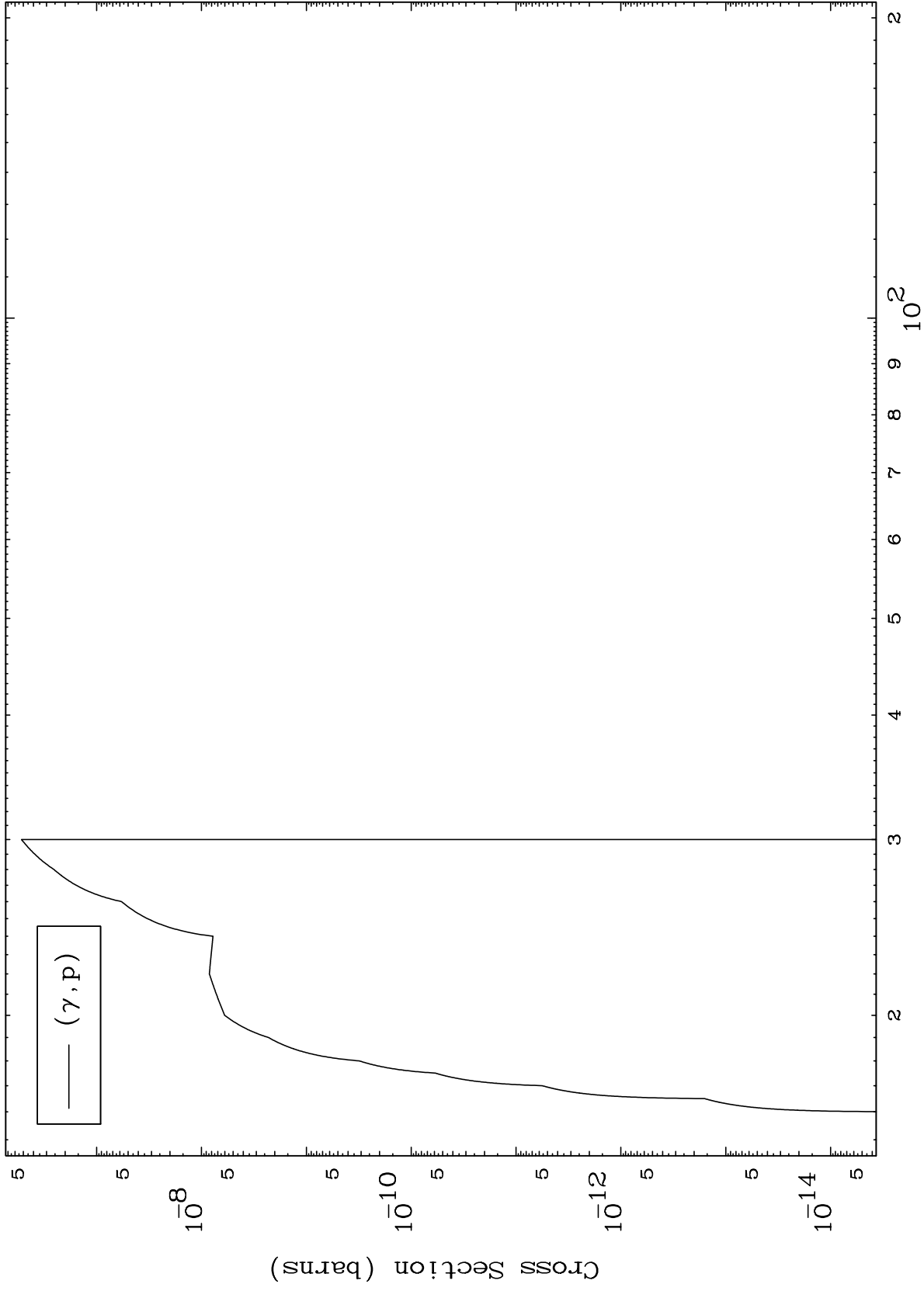
50-Sn-131

4

MAT 5083

(γ, p) Levels
0 Kelvin Cross Sections

50-Sn-131



5

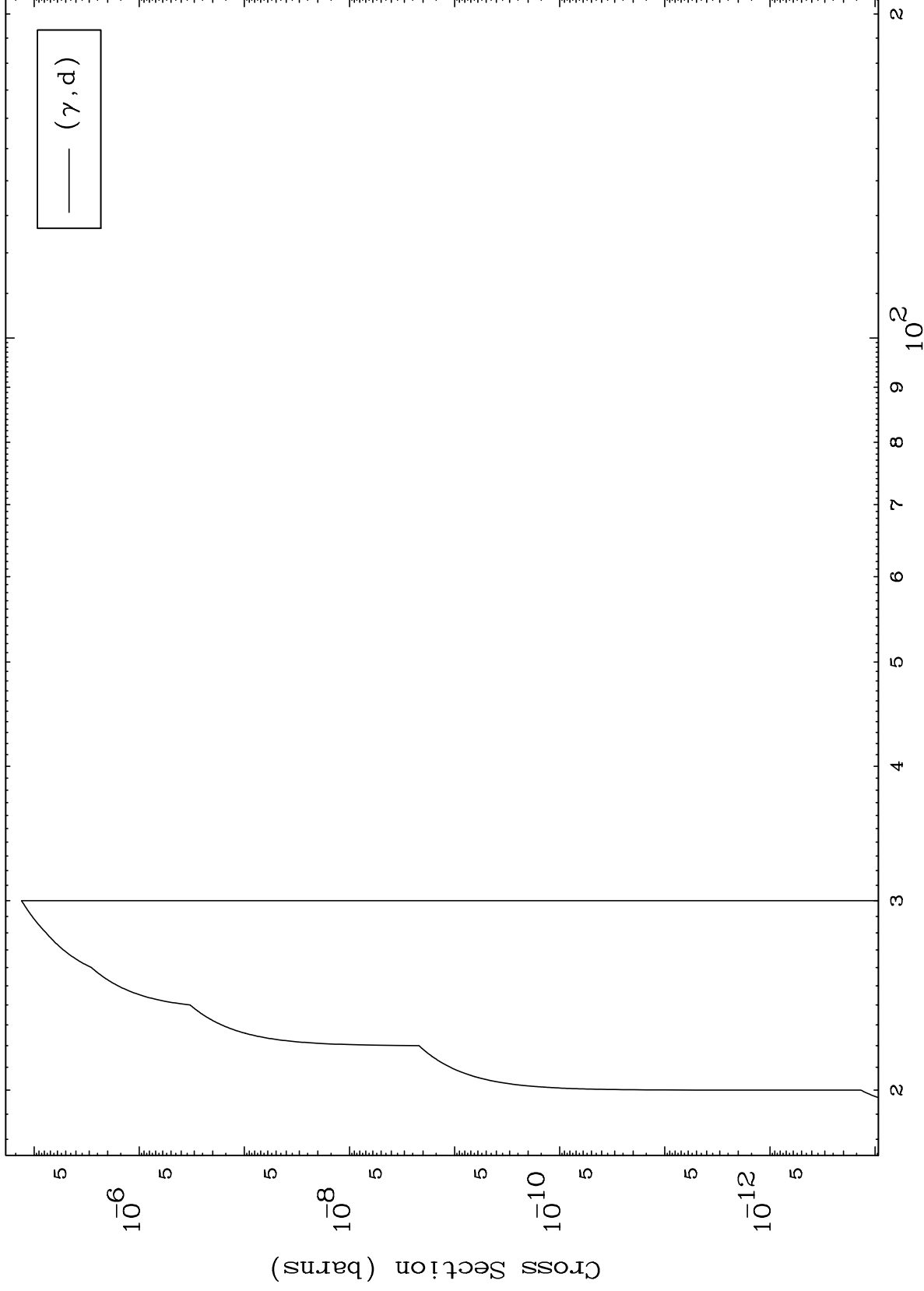
Incident Energy (MeV)

50-Sn-131

MAT 5083

(γ, d) Levels
0 Kelvin Cross Sections

50-Sn-131



6

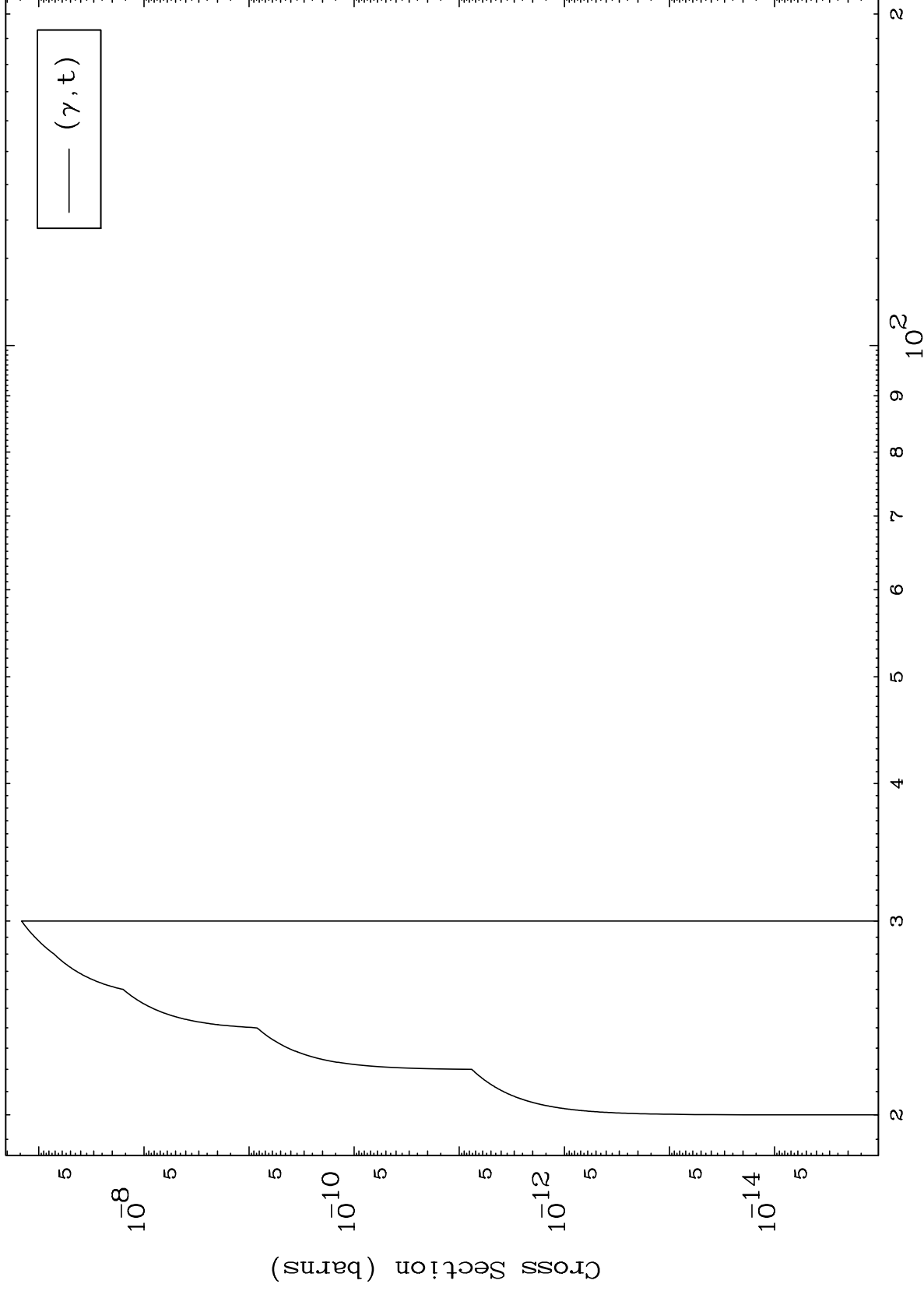
Incident Energy (MeV)

50-Sn-131

MAT 5083

(γ, t) Levels
0 Kelvin Cross Sections

50-Sn-131



7

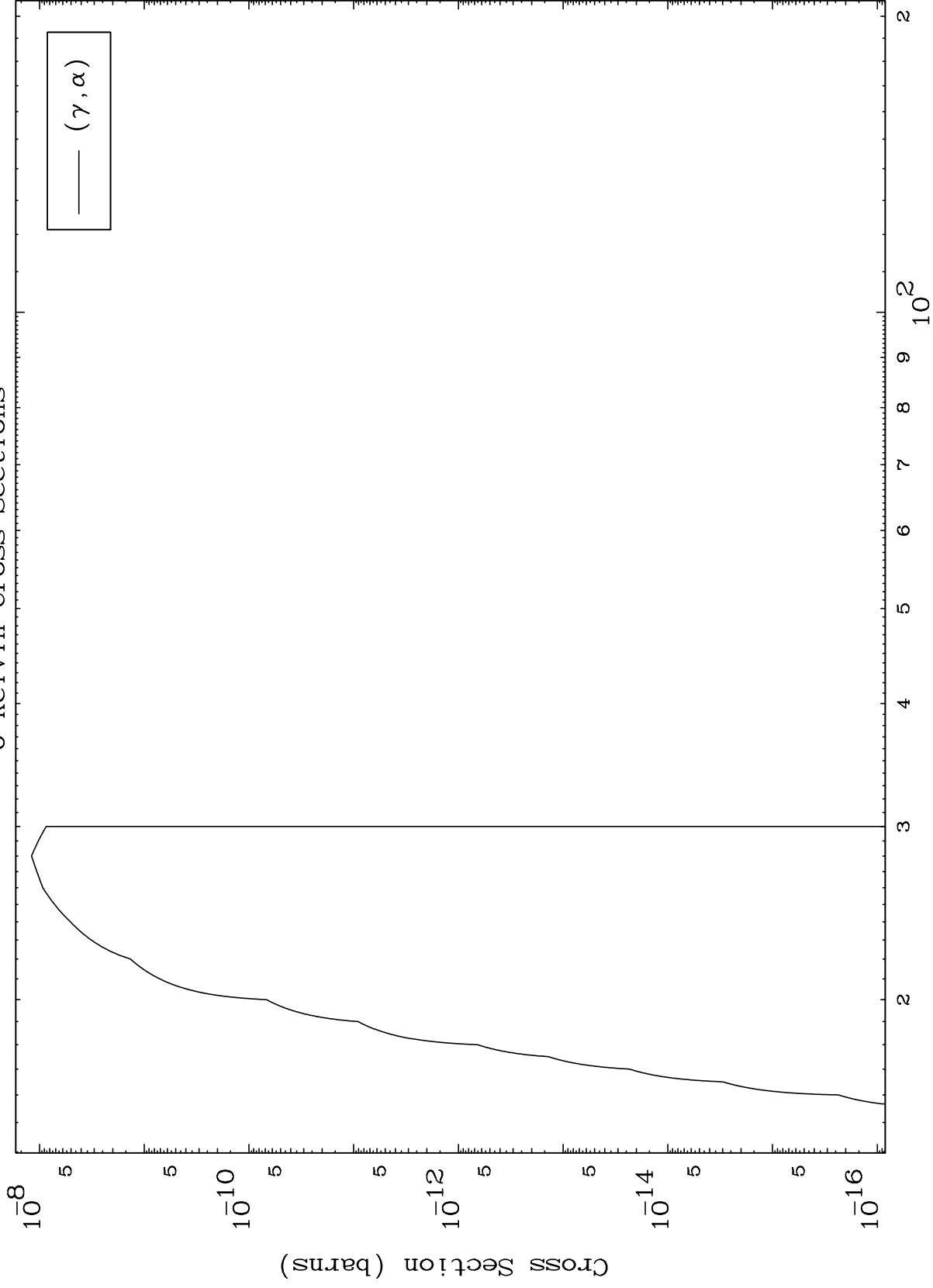
Incident Energy (MeV)

50-Sn-131

MAT 5083

(γ, α) Levels
0 Kelvin Cross Sections

50-Sn-131



8

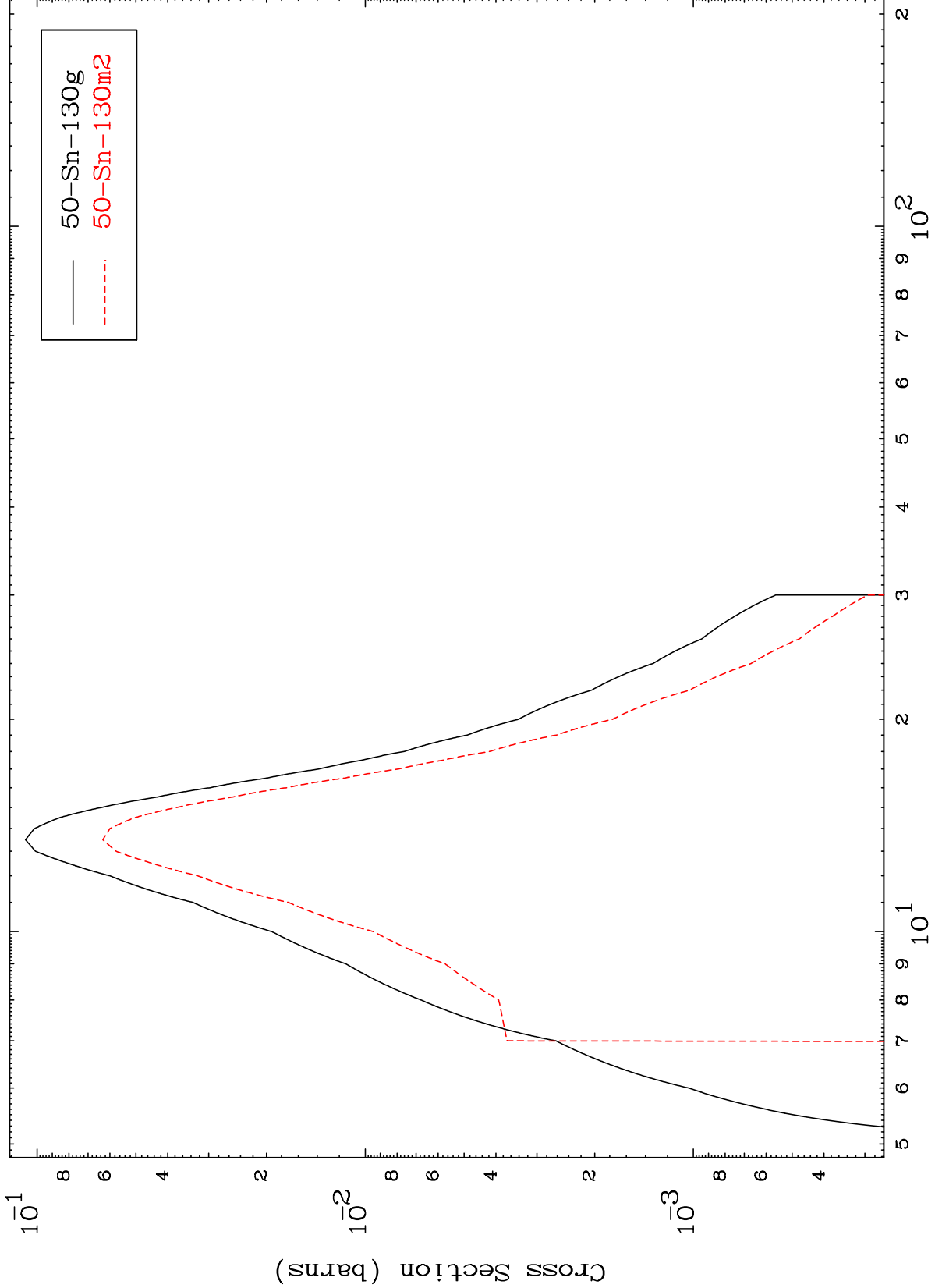
Incident Energy (MeV)

50-Sn-131

MAT 5083

Photon Inelastic
Radionuclide Production Cross Section

50-Sn-131



50-Sn-130g
50-Sn-130m2

9

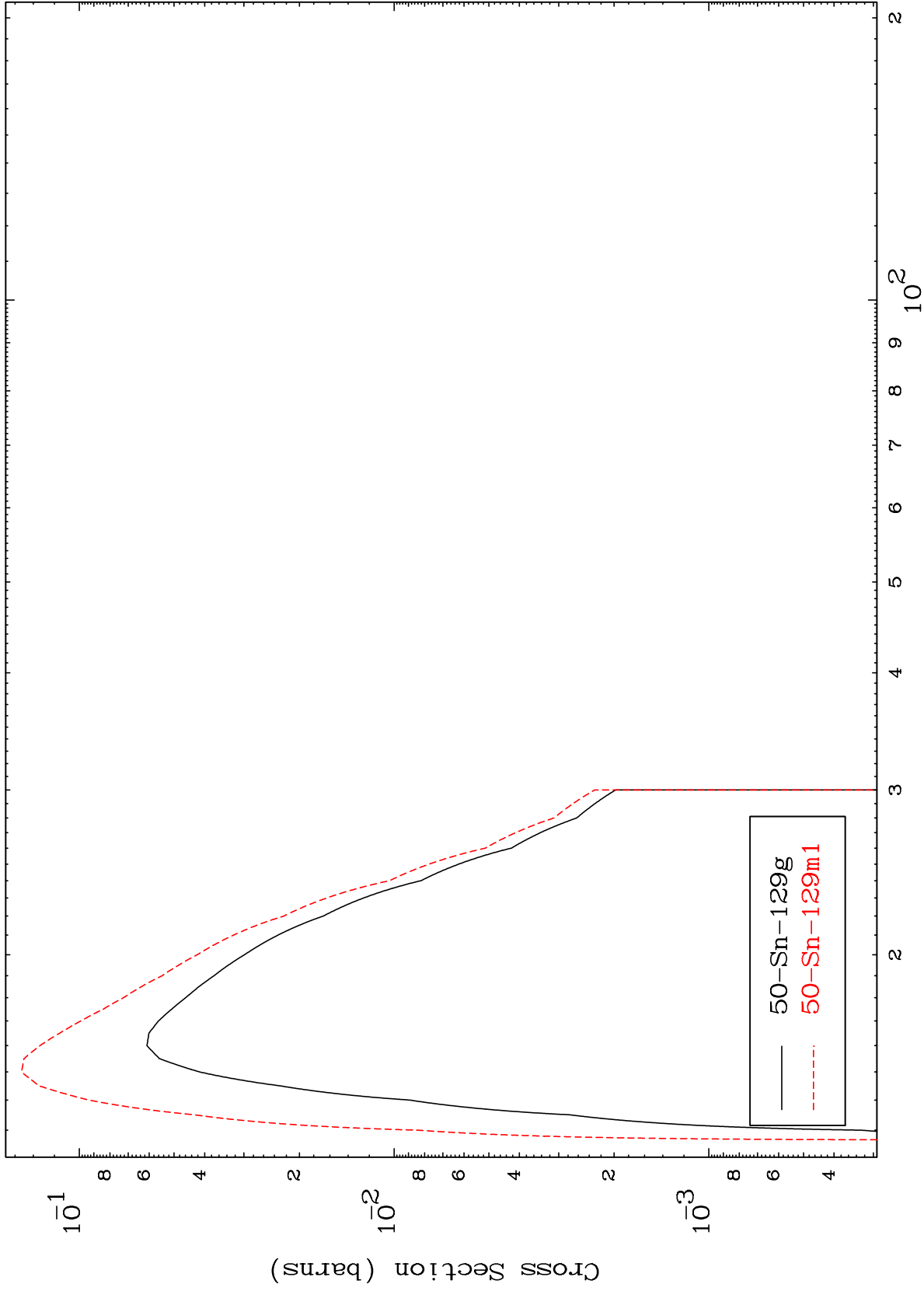
Incident Energy (MeV)

50-Sn-131

MAT 5083

50-Sn-131

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



10

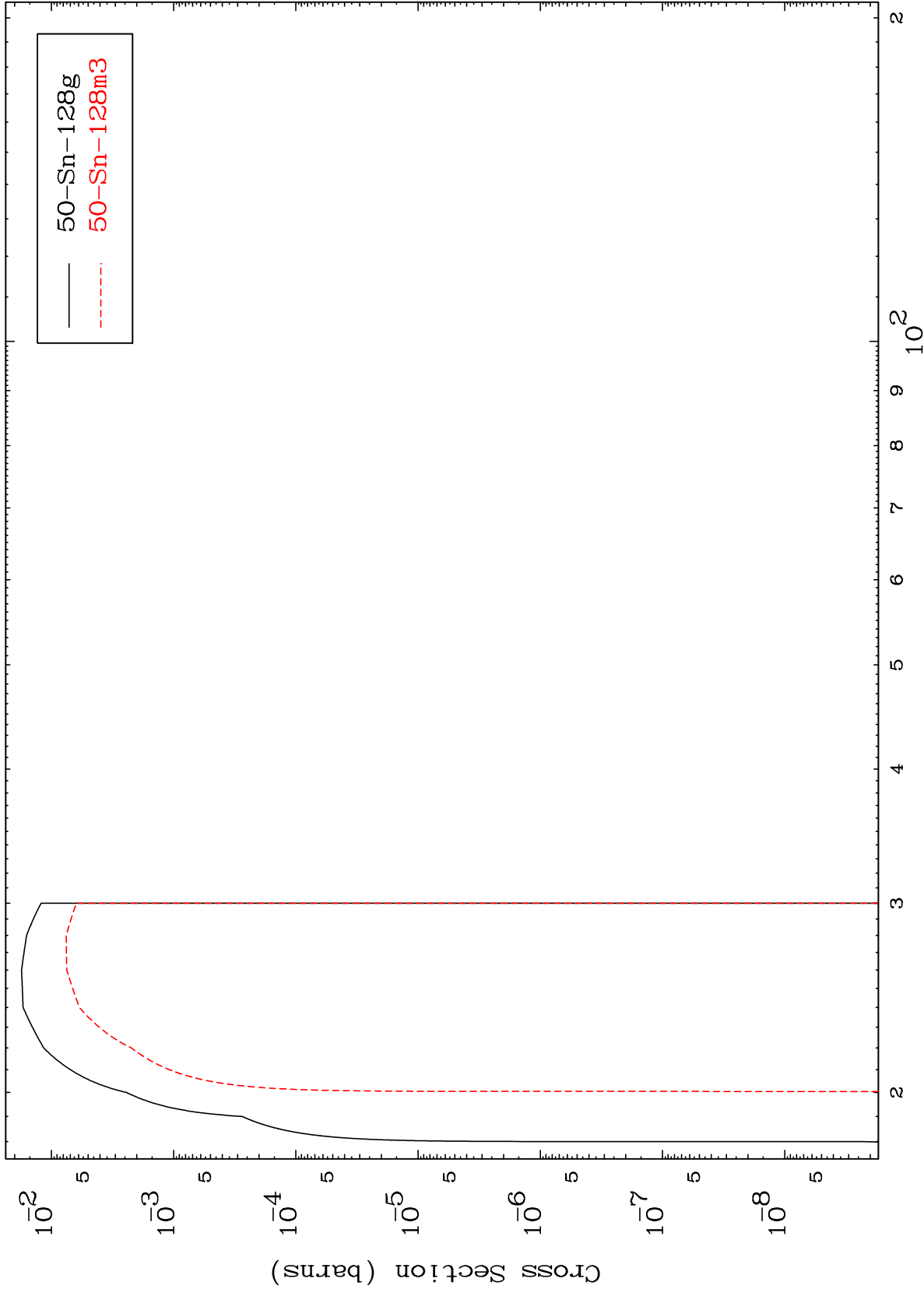
Incident Energy (MeV)

50-Sn-131

MAT 5083

50-Sn-131

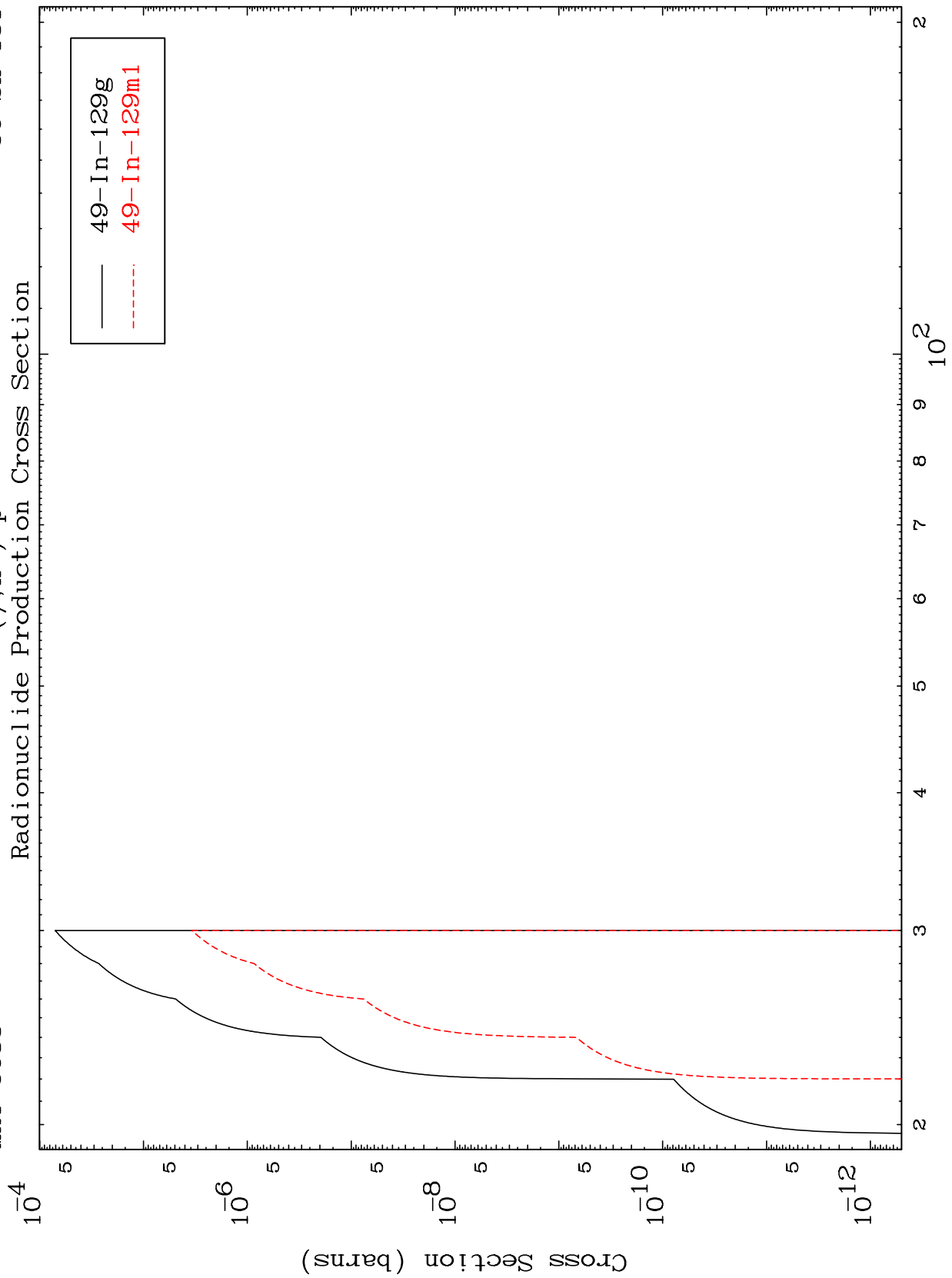
($\gamma, 3n$)
Radionuclide Production Cross Section



MAT 5083

50-Sn-131

(γ, n') p
Radionuclide Production Cross Section



50-Sn-131

Incident Energy (MeV)

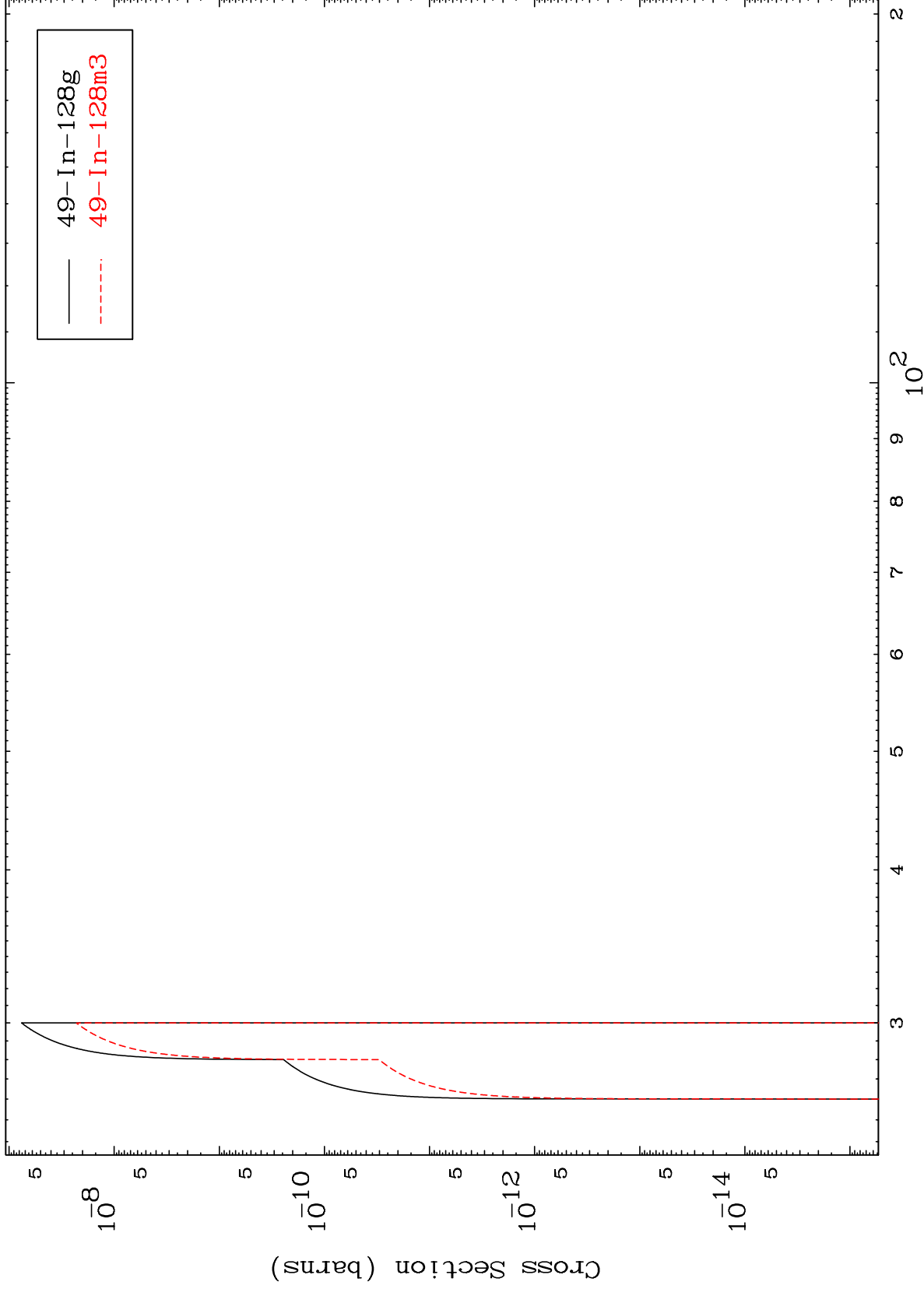
12

MAT 5083

(γ, n') d

50-Sn-131

Radionuclide Production Cross Section



13

Incident Energy (MeV)

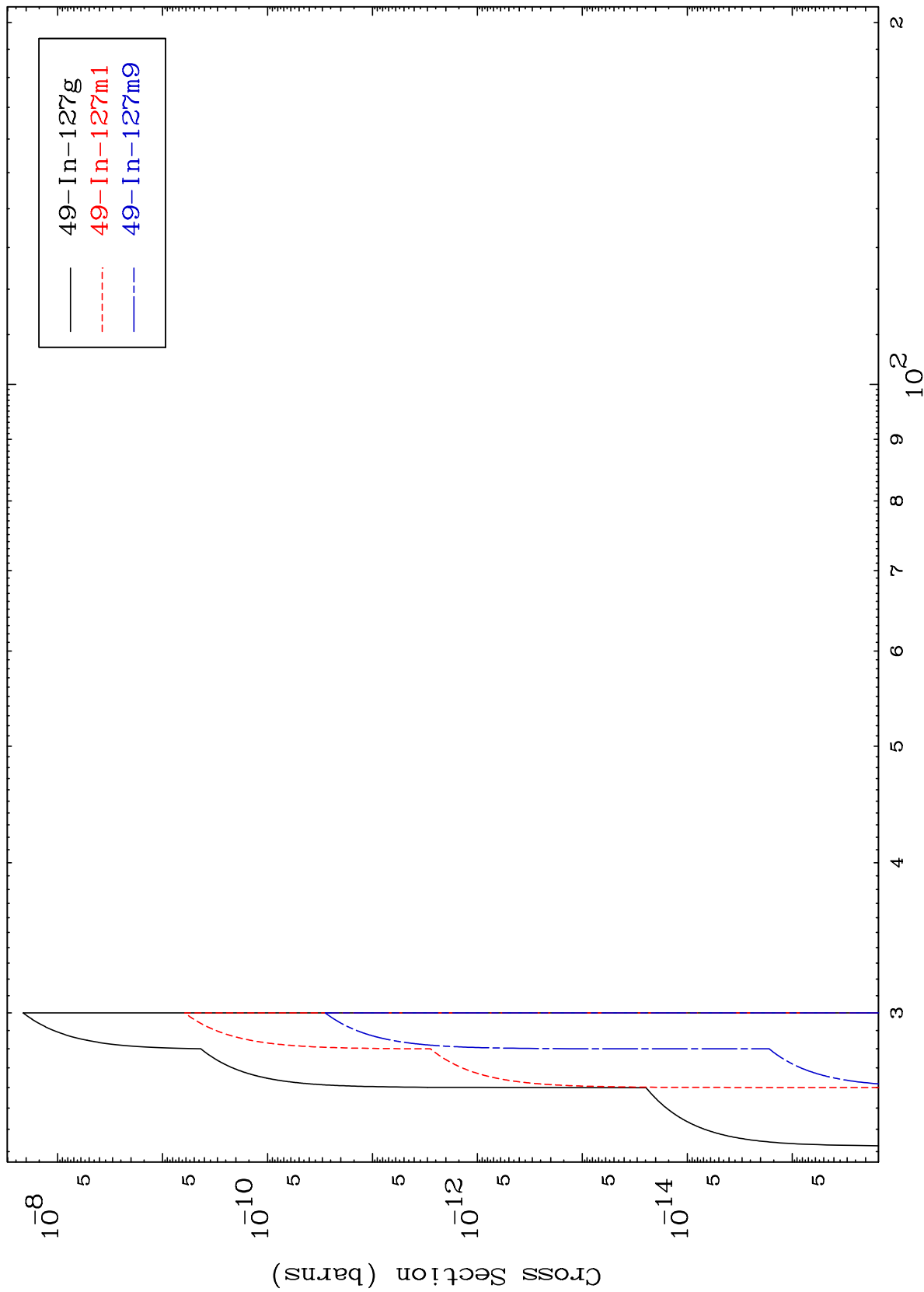
50-Sn-131

MAT 5083

(γ, n') t

50-Sn-131

Radionuclide Production Cross Section



14

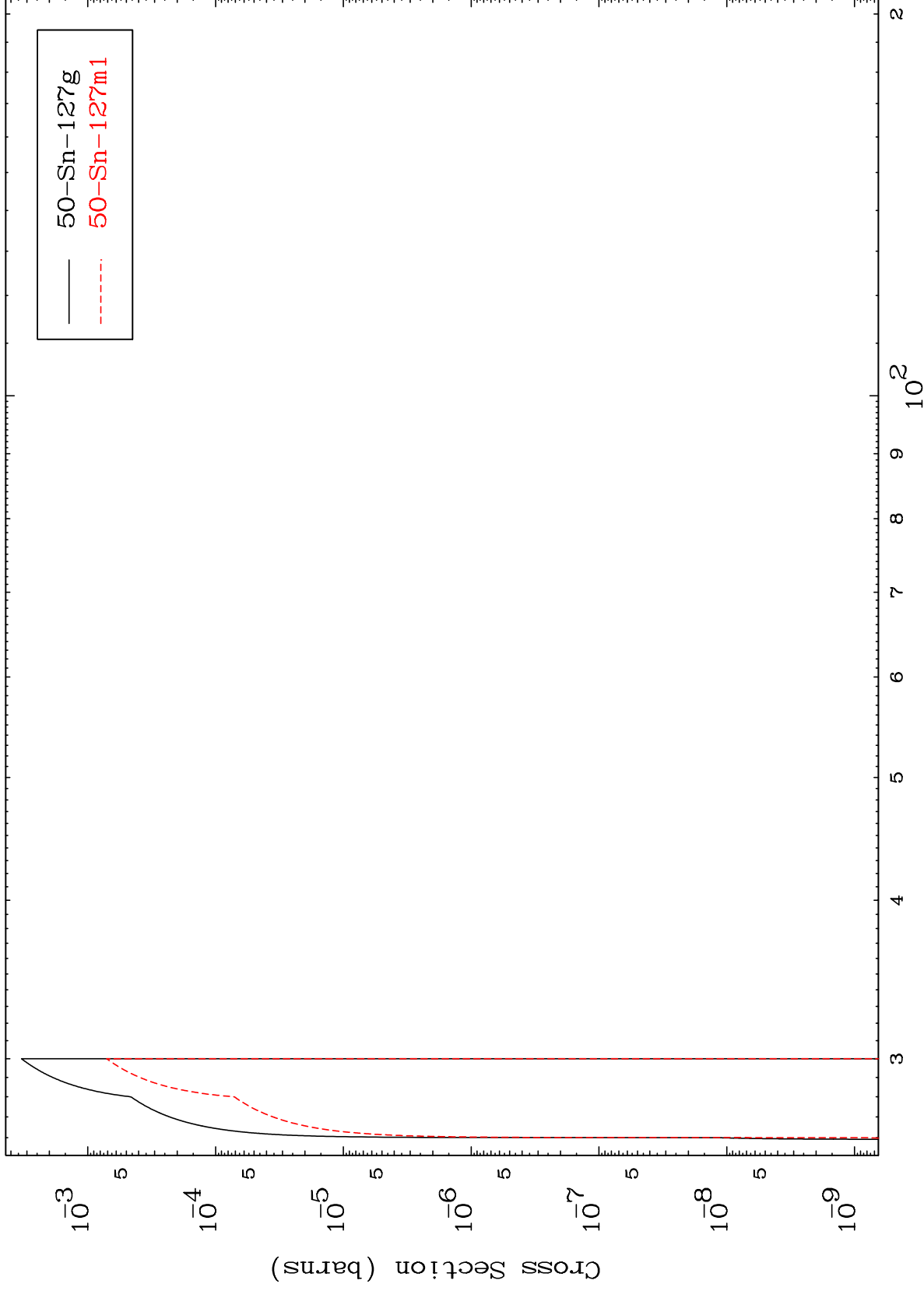
Incident Energy (MeV)

50-Sn-131

MAT 5083

50-Sn-131

$(\gamma, 4n)$
Radionuclide Production Cross Section



15

Incident Energy (MeV)

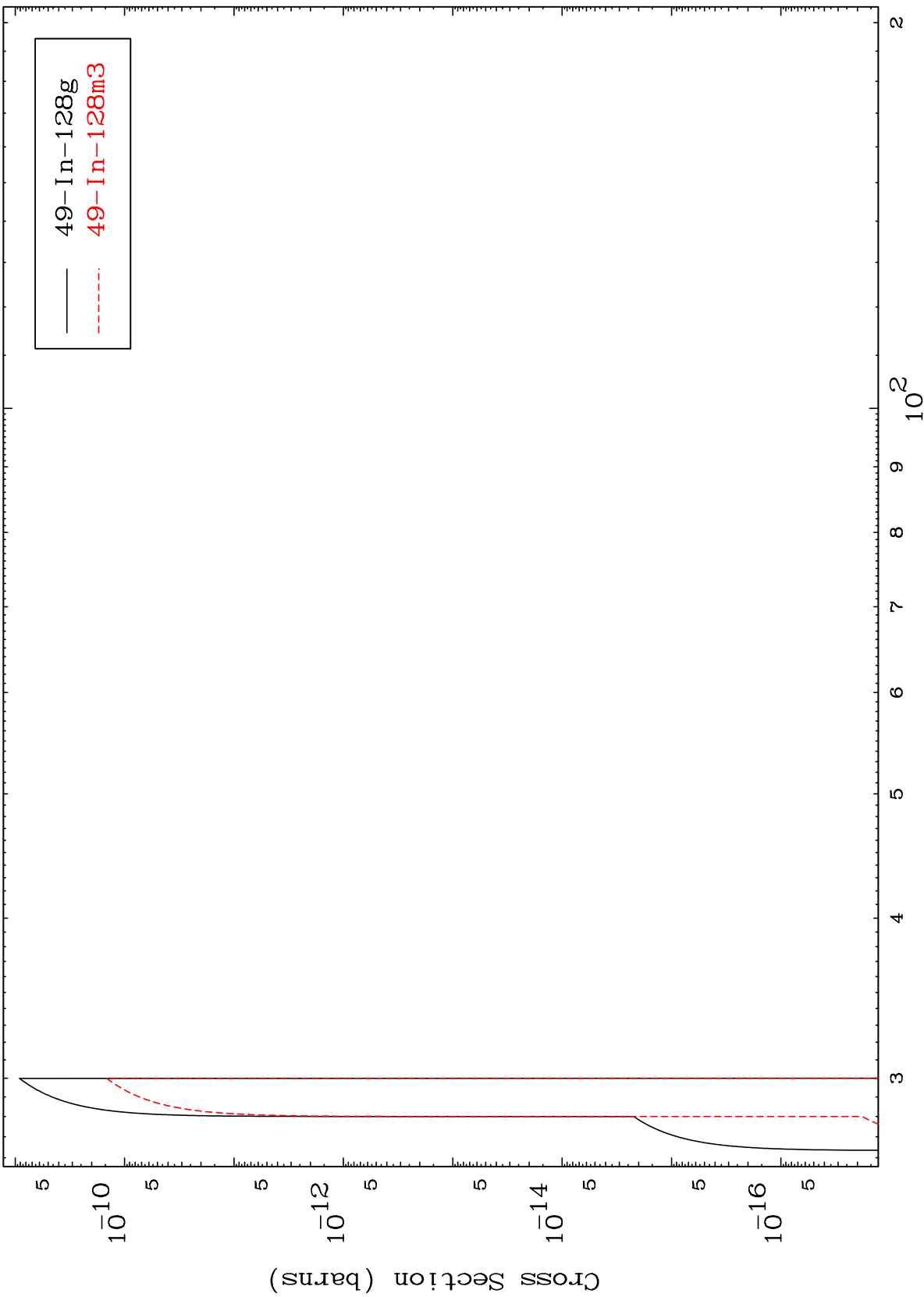
50-Sn-131

MAT 5083

$(\gamma, 2n)$ p

50-Sn-131

Radionuclide Production Cross Section



16

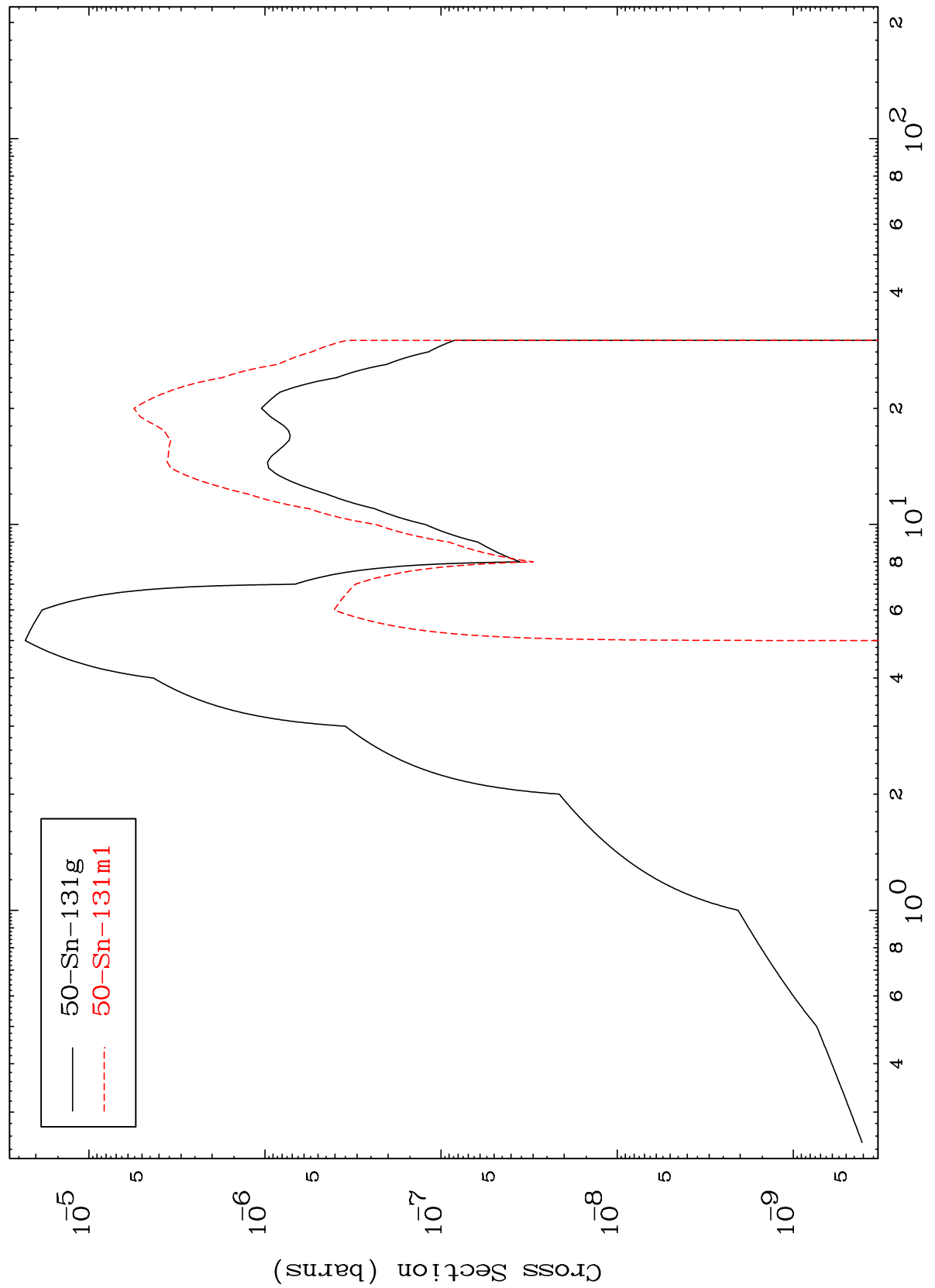
Incident Energy (MeV)

50-Sn-131

MAT 5083

50-Sn-131

(γ, γ)
Radionuclide Production Cross Section



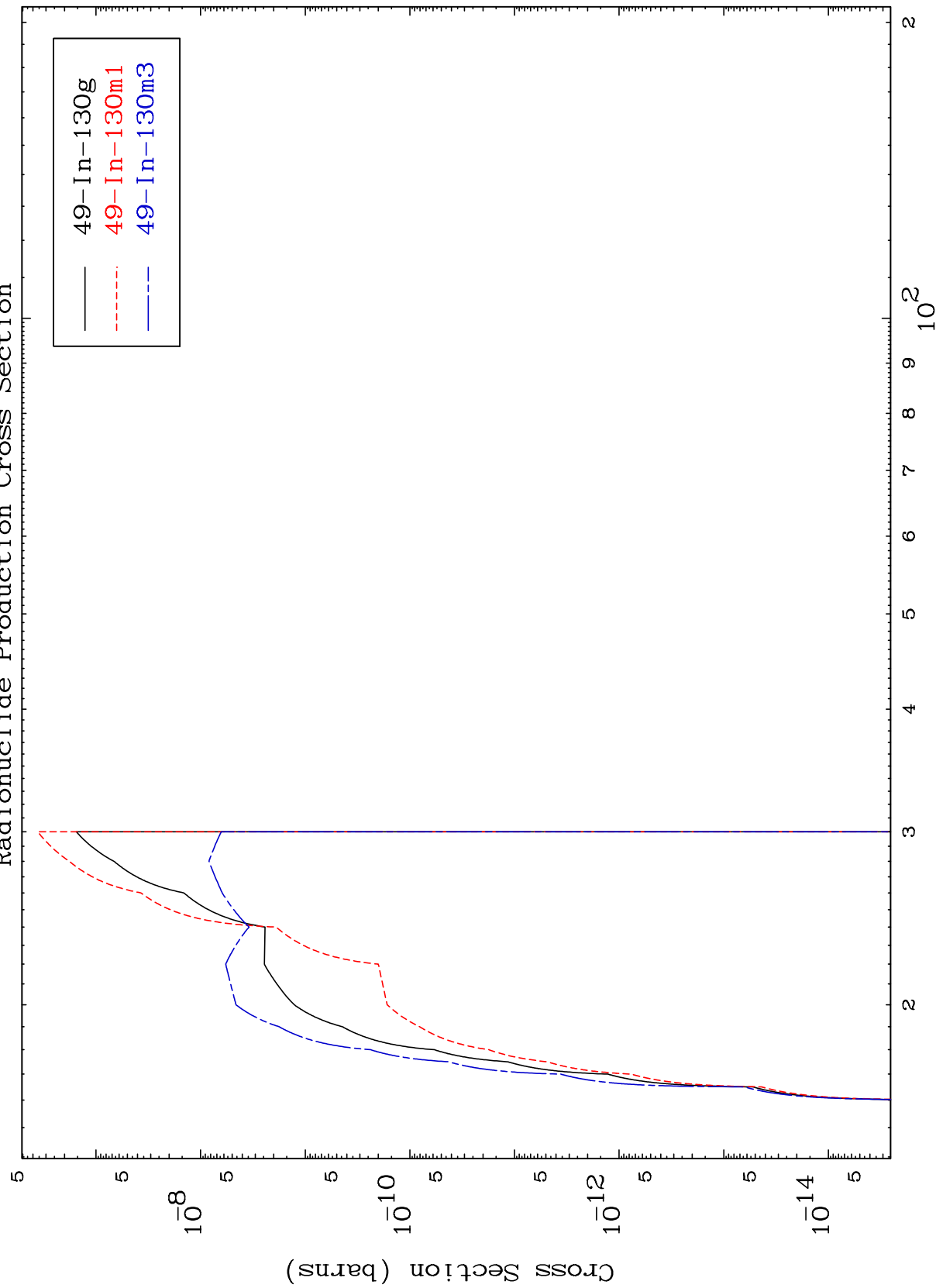
— 50-Sn-131 g
- - - 50-Sn-131 m1

17

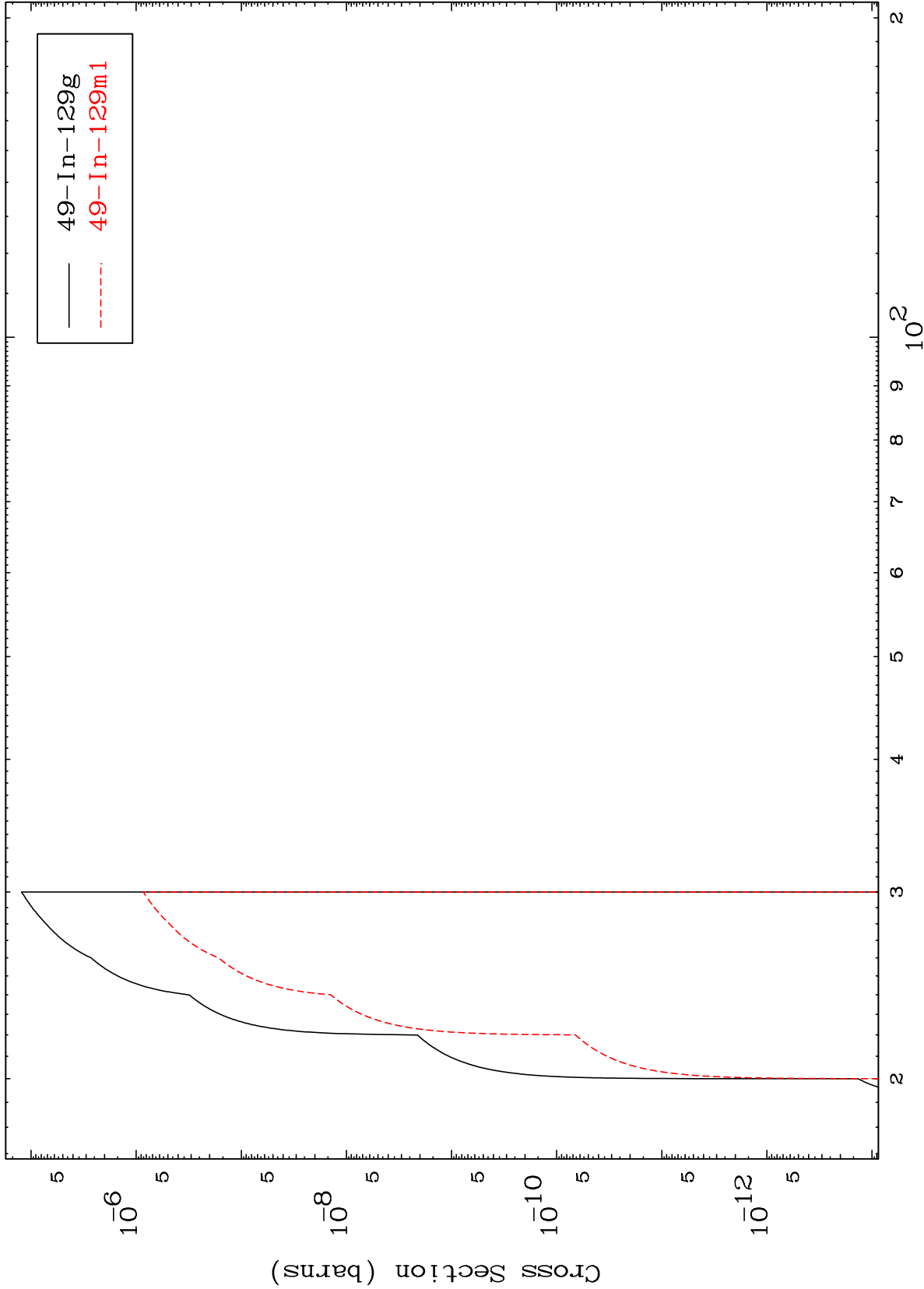
50-Sn-131

Incident Energy (MeV)

(γ, p)
Radionuclide Production Cross Section



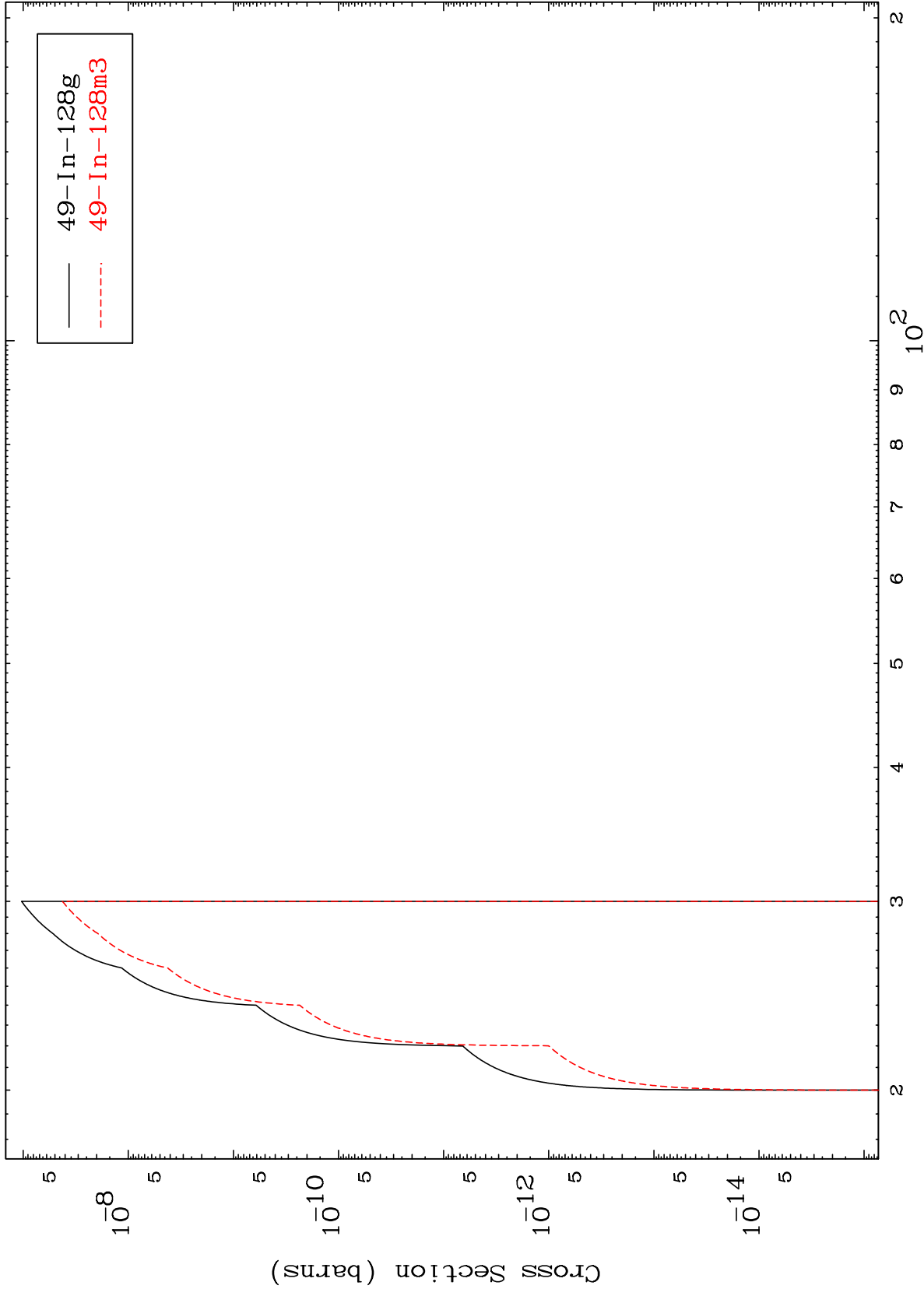
(γ, d)
Radionuclide Production Cross Section



MAT 5083

50-Sn-131

(γ, t)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

50-Sn-131