

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

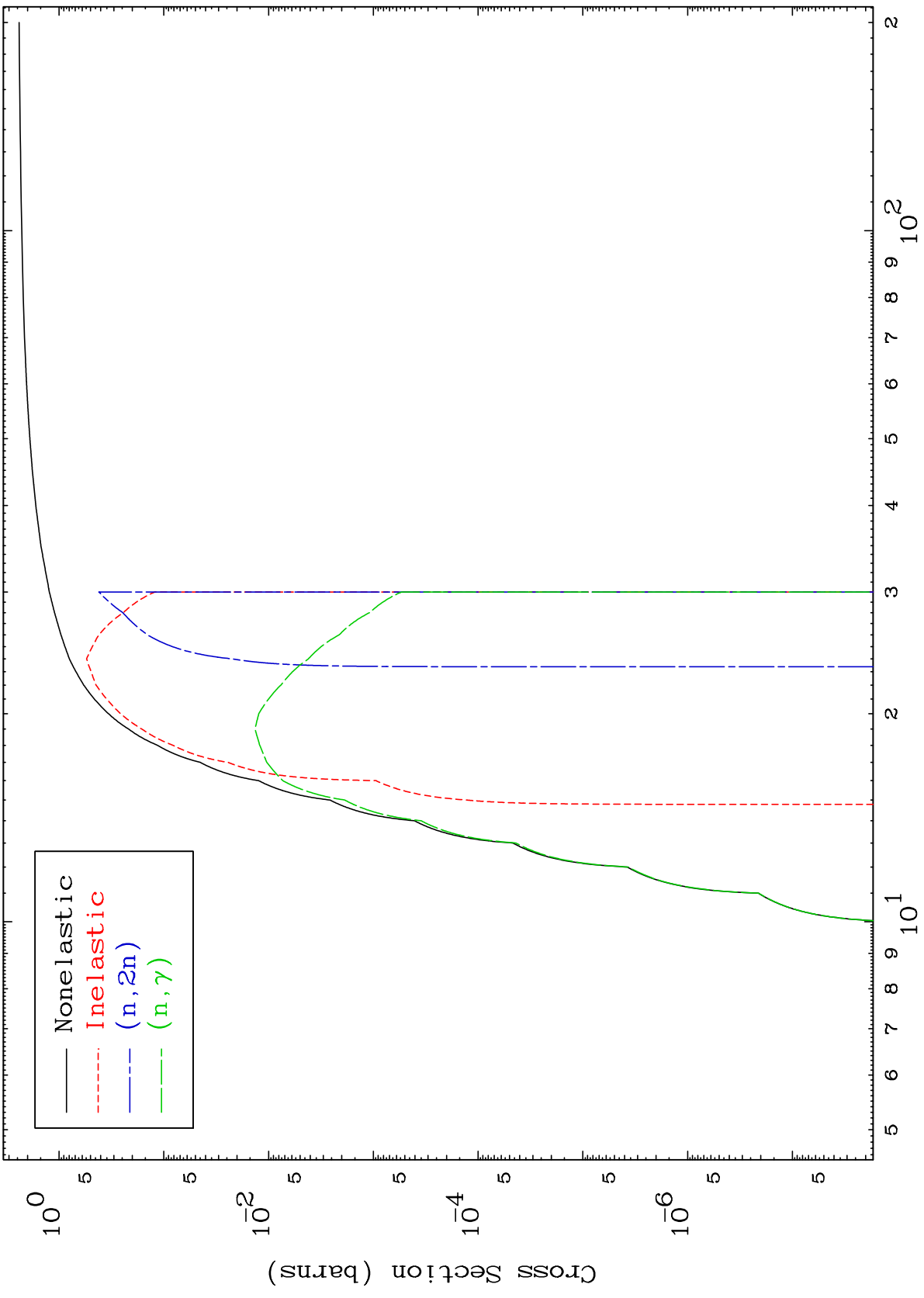
Press Mouse Button to Start

MAT 6490

α Major

65-Tb-147m

0 Kelvin Cross Sections

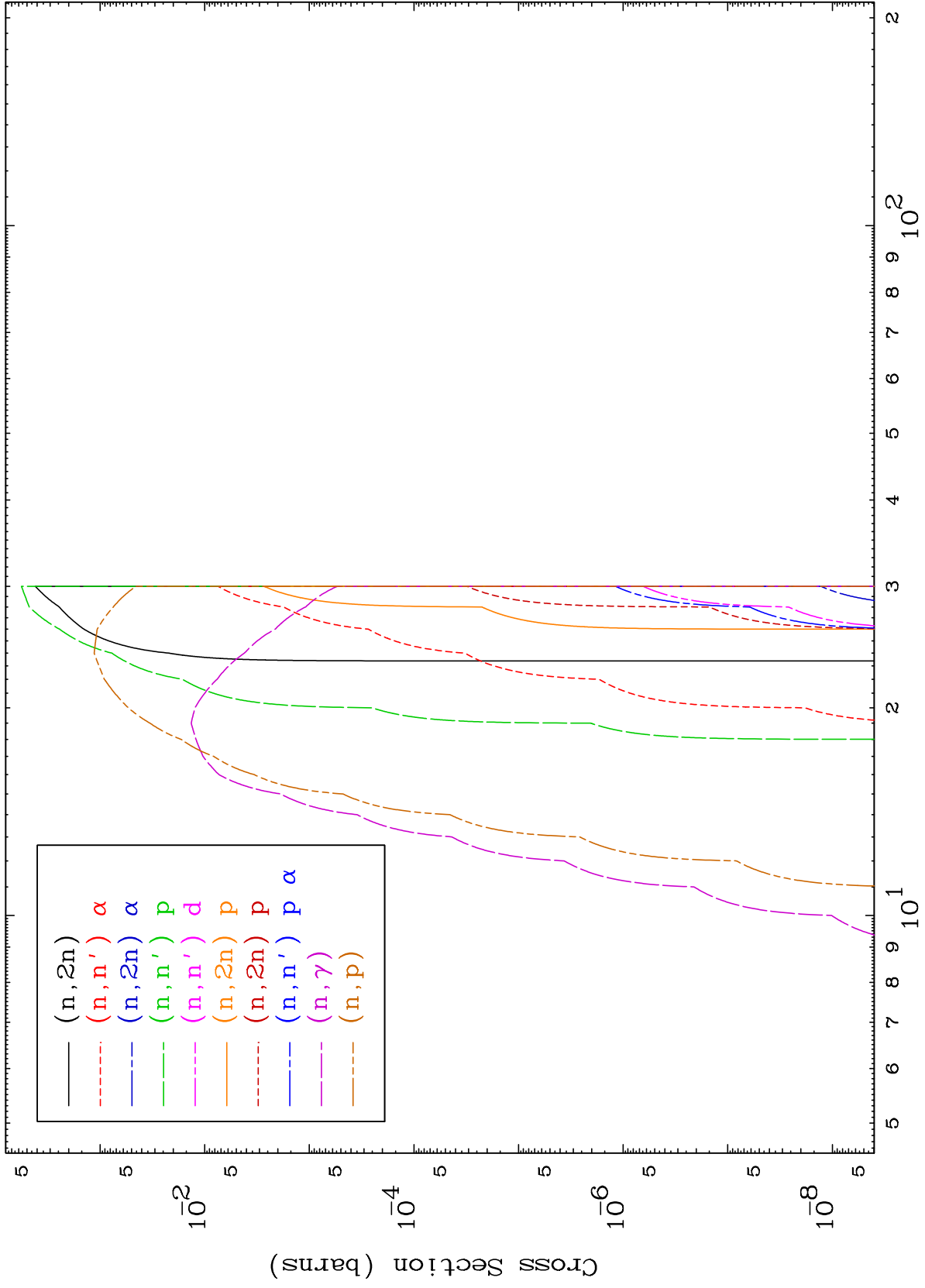


Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

MAT 6490

α Neutron Absorption
0 Kelvin Cross Sections

65-Tb-147m



2

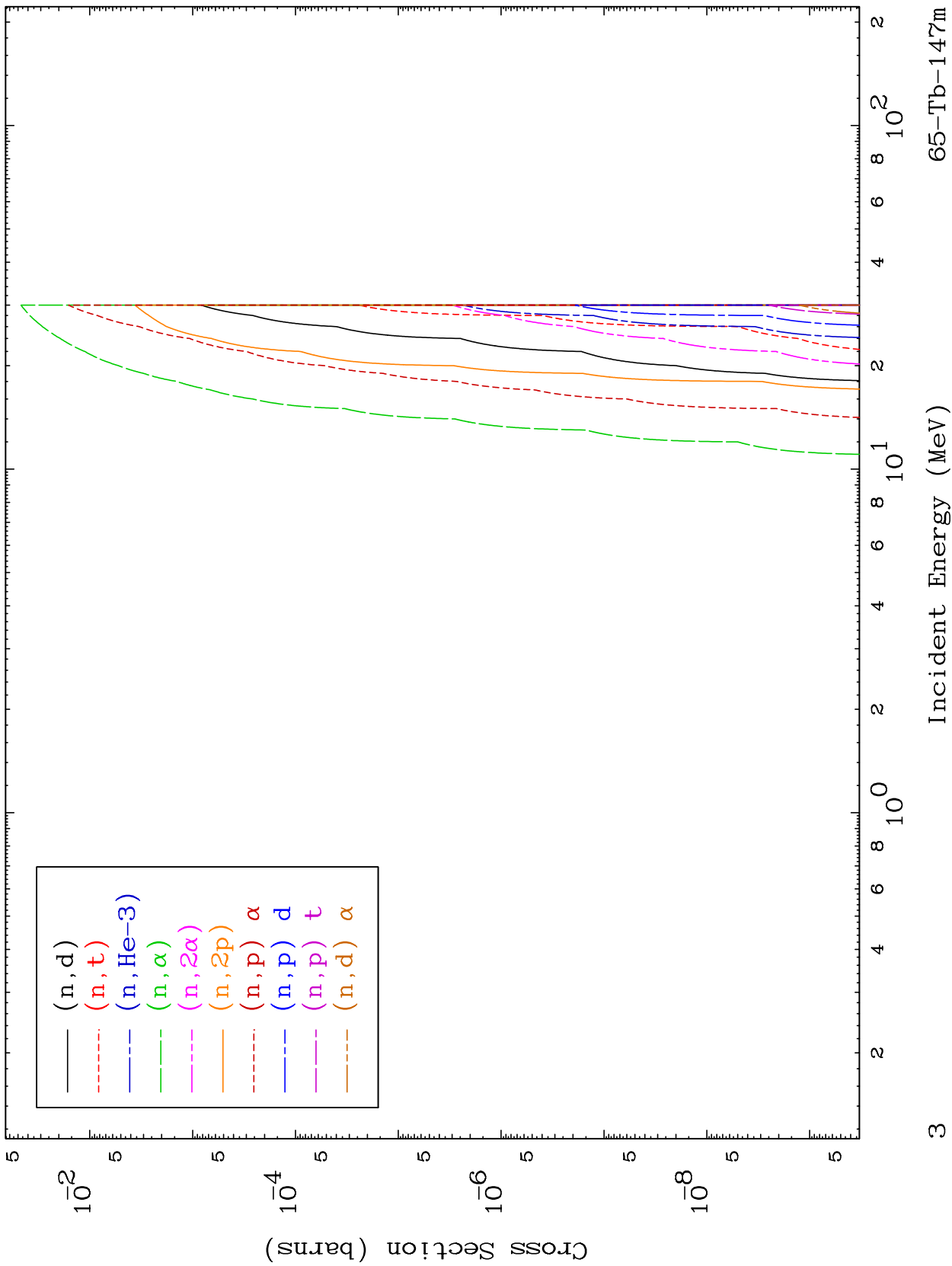
Incident Energy (MeV)

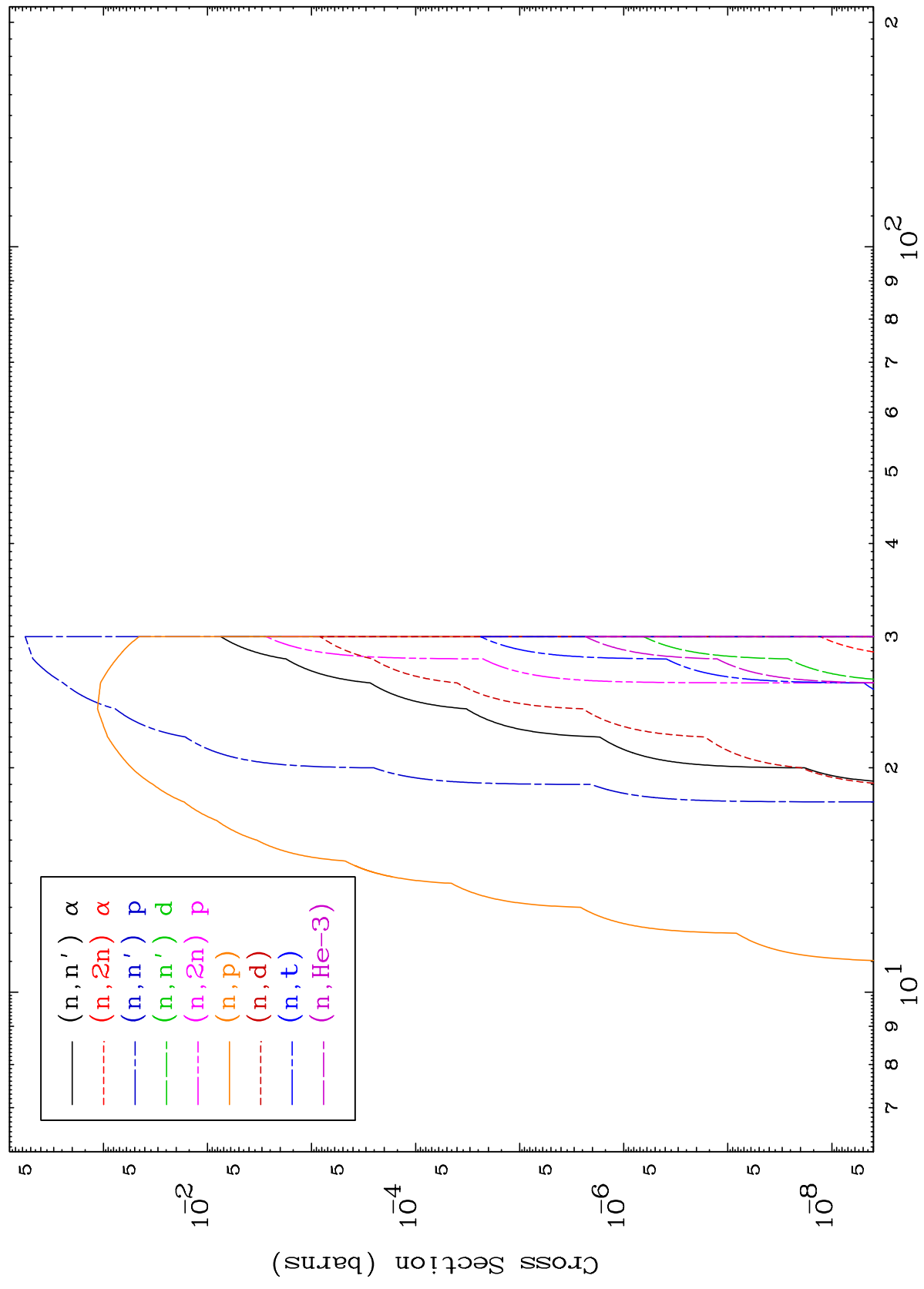
65-Tb-147m

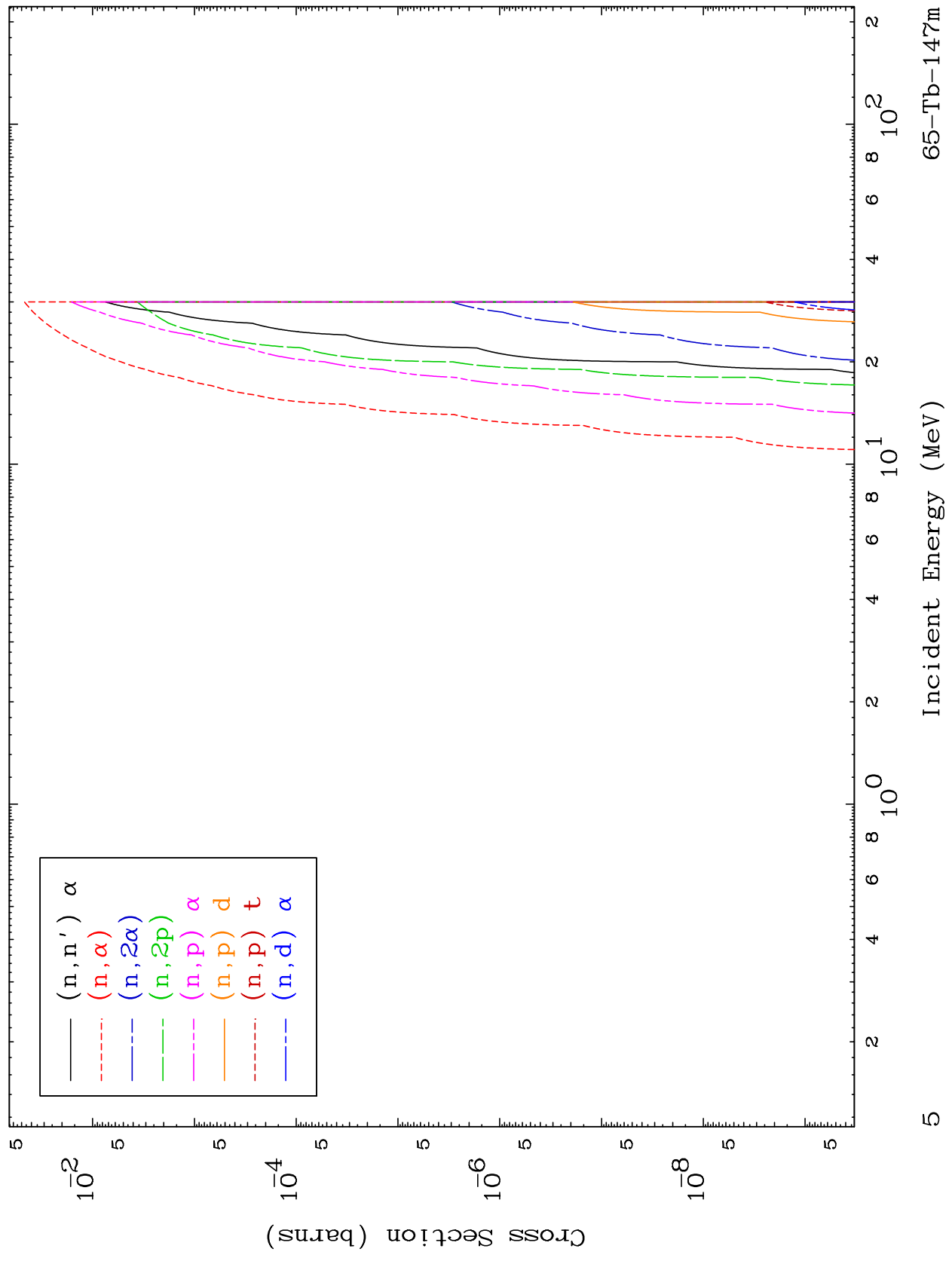
MAT 6490

α Neutron Absorption
0 Kelvin Cross Sections

65-Tb-147m



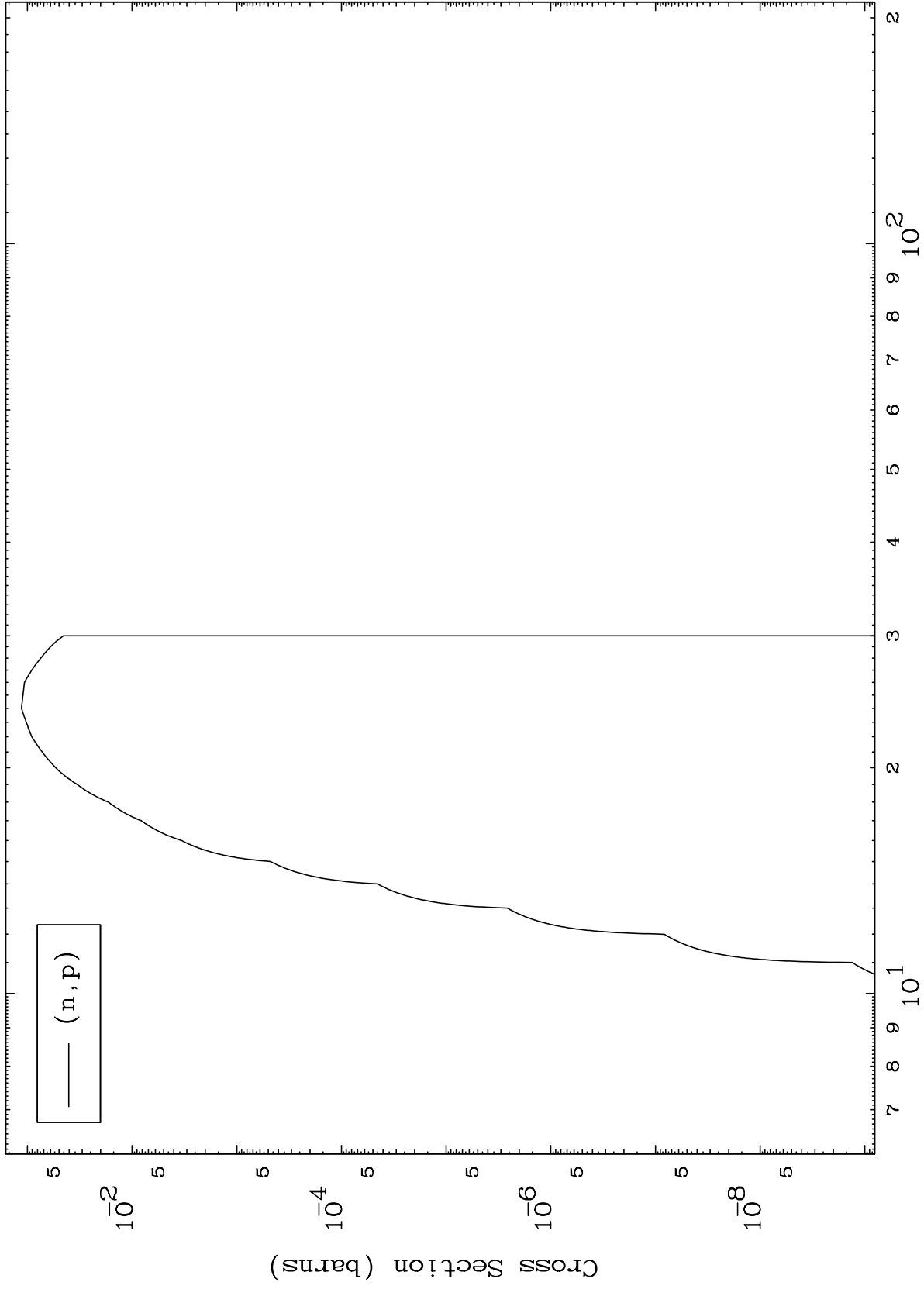




MAT 6490

(α, p) Levels
0 Kelvin Cross Sections

65-Tb-147m



6

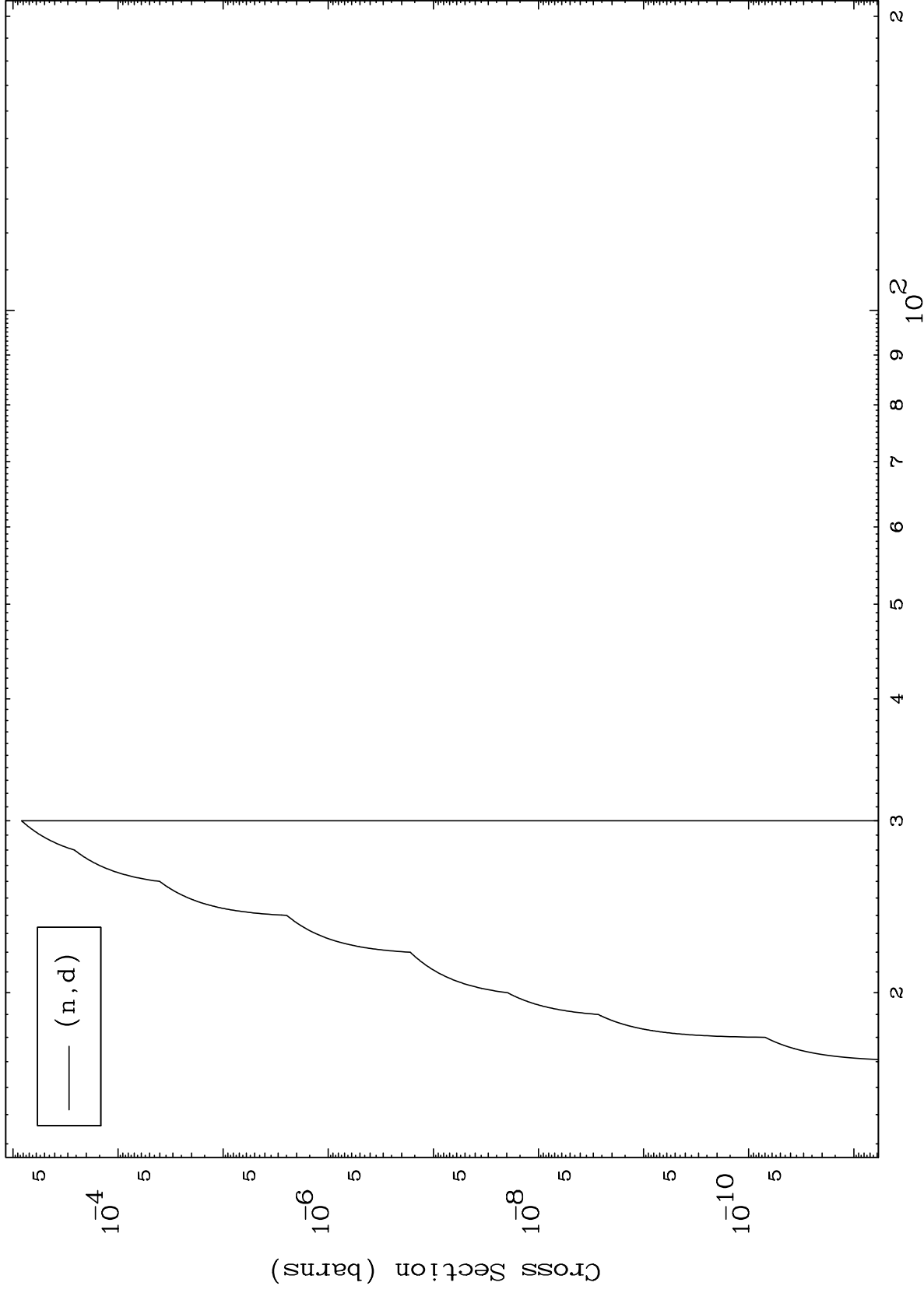
Incident Energy (MeV)

65-Tb-147m

MAT 6490

(α, d) Levels
0 Kelvin Cross Sections

65-Tb-147m



7

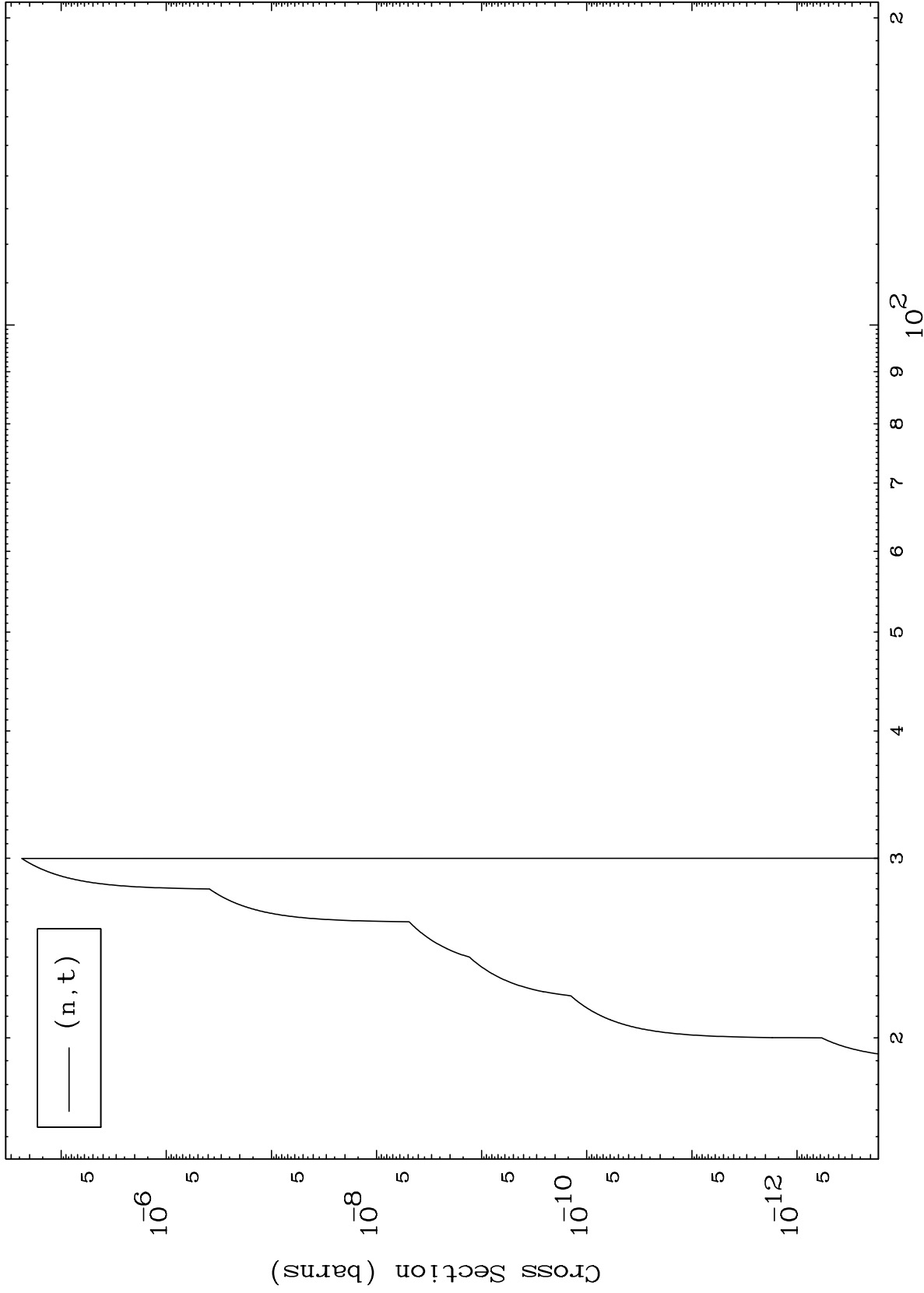
Incident Energy (MeV)

65-Tb-147m

MAT 6490

(α, t) Levels
0 Kelvin Cross Sections

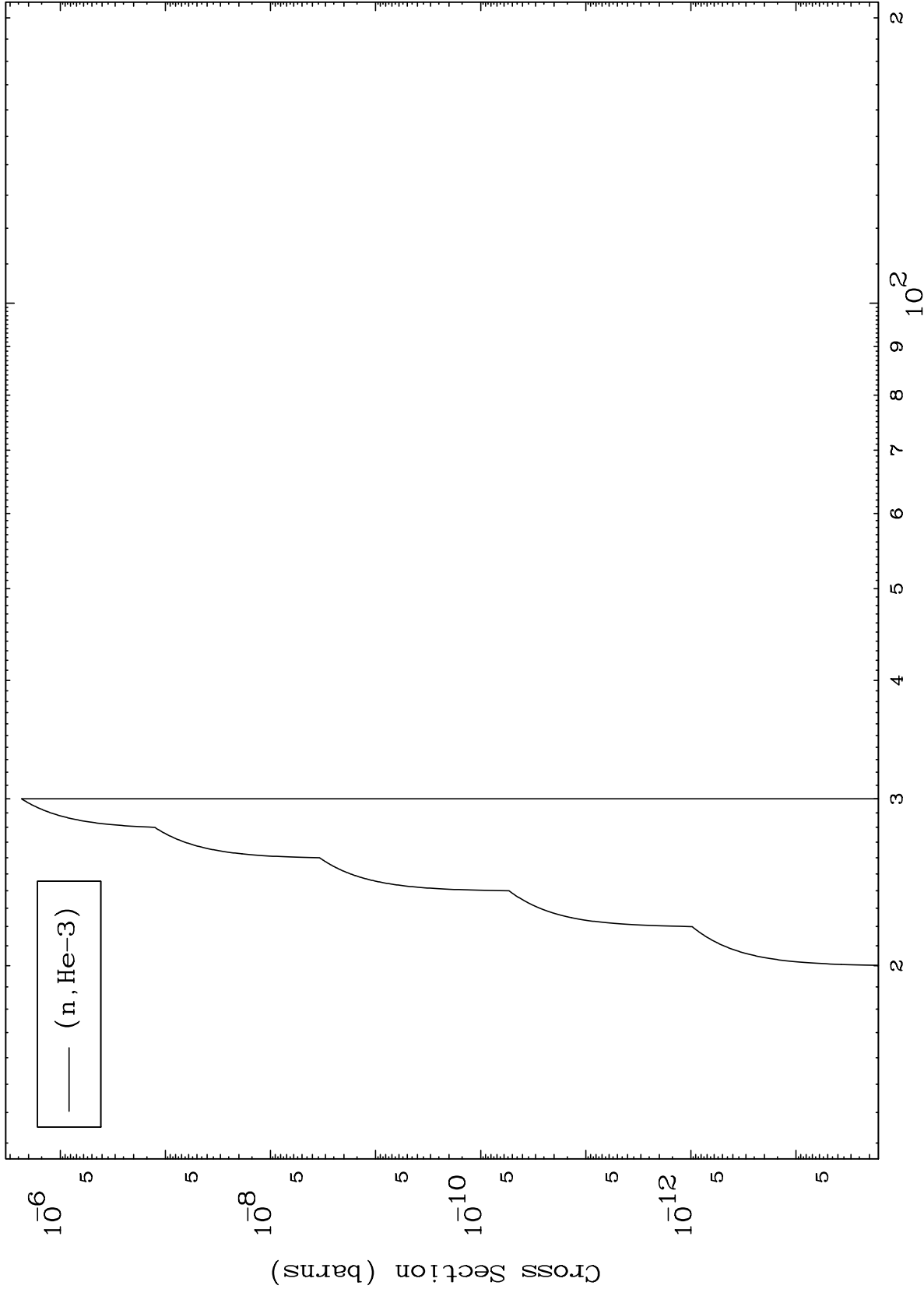
65-Tb-147m



8

Incident Energy (MeV)

65-Tb-147m

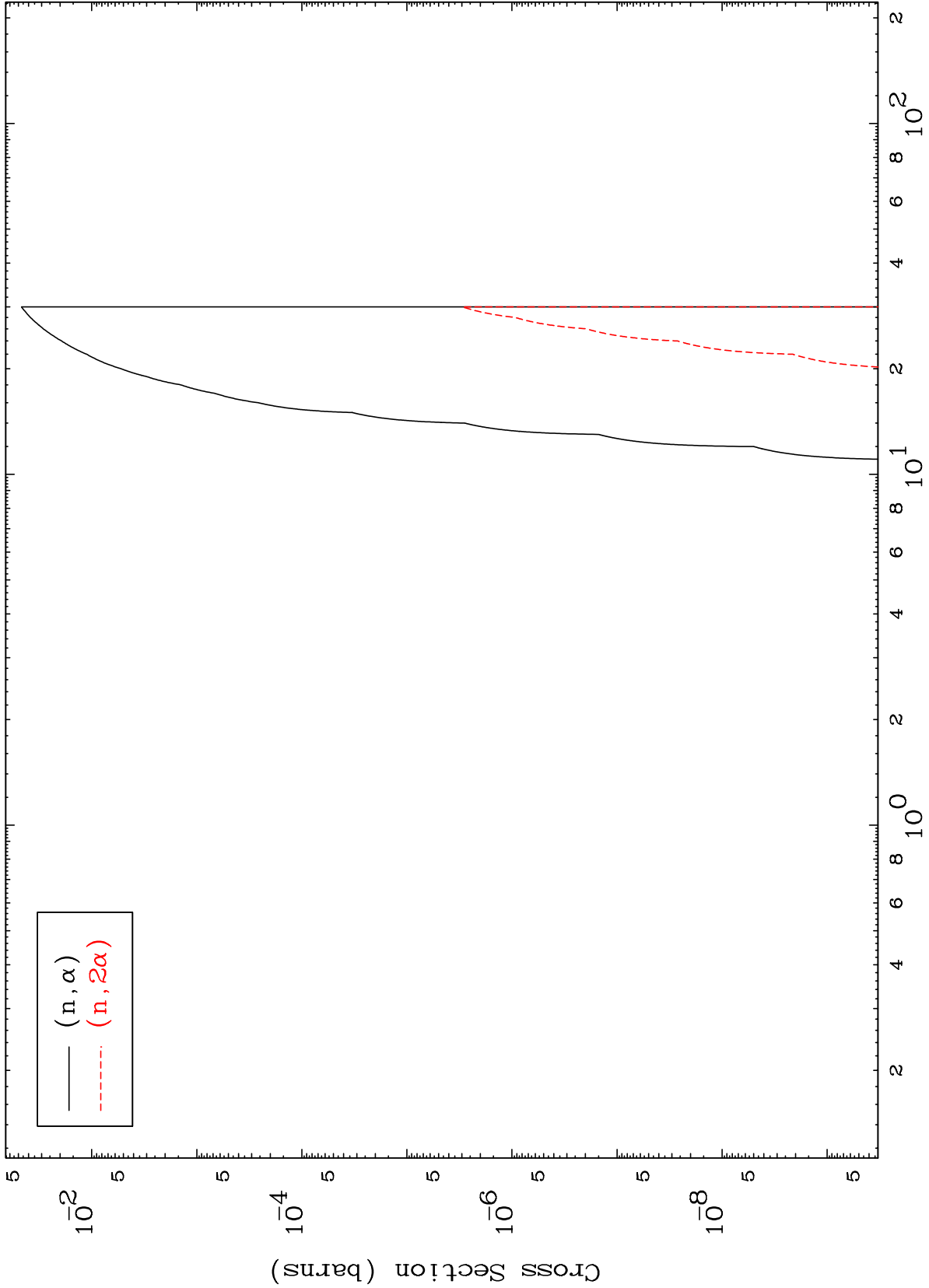


MAT 6490

(α, α) Levels

65-Tb-147m

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2α)

10

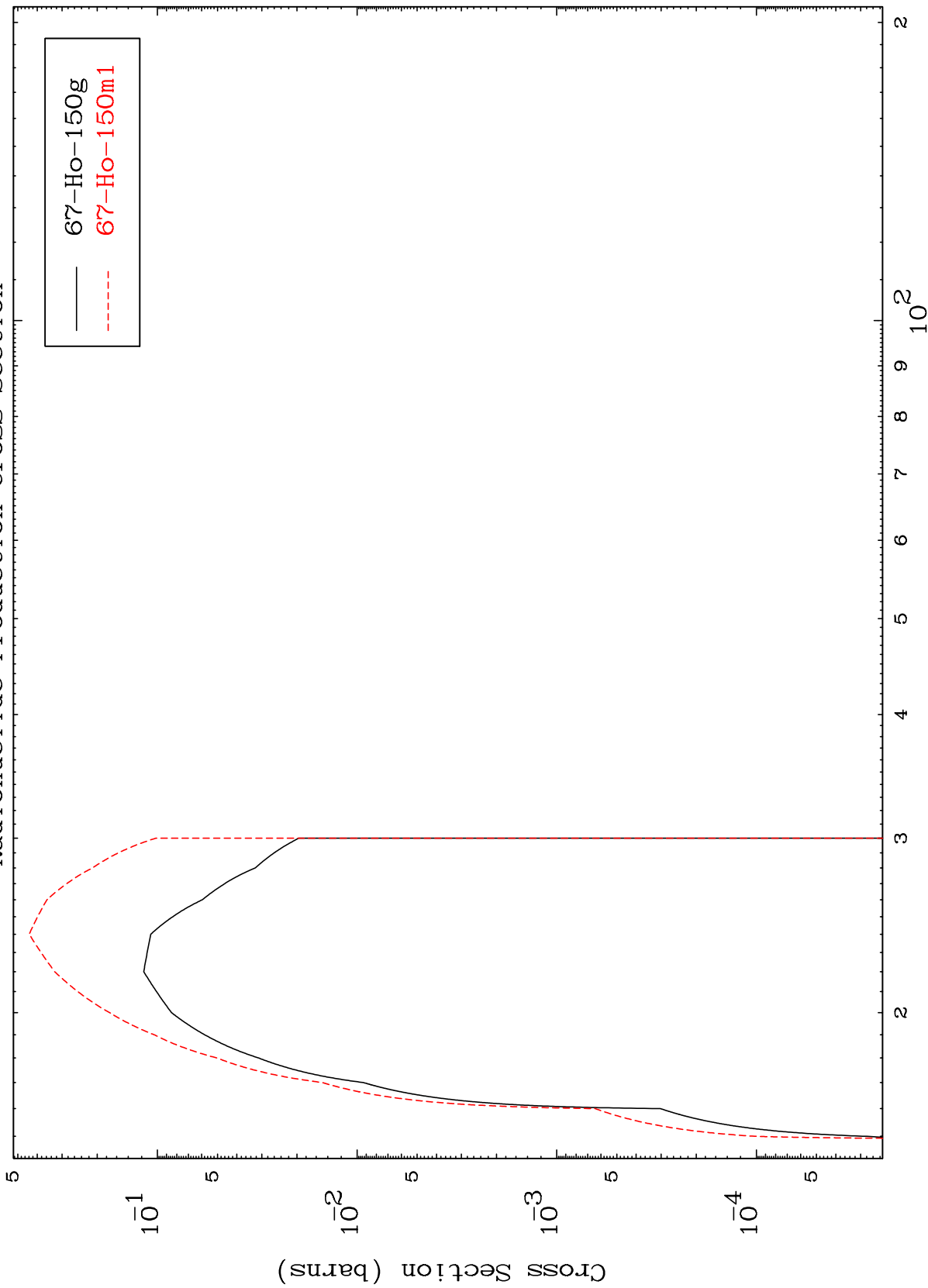
Incident Energy (MeV)

65-Tb-147m

MAT 6490

Inelastic
Radionuclide Production Cross Section

65-Tb-147m



11

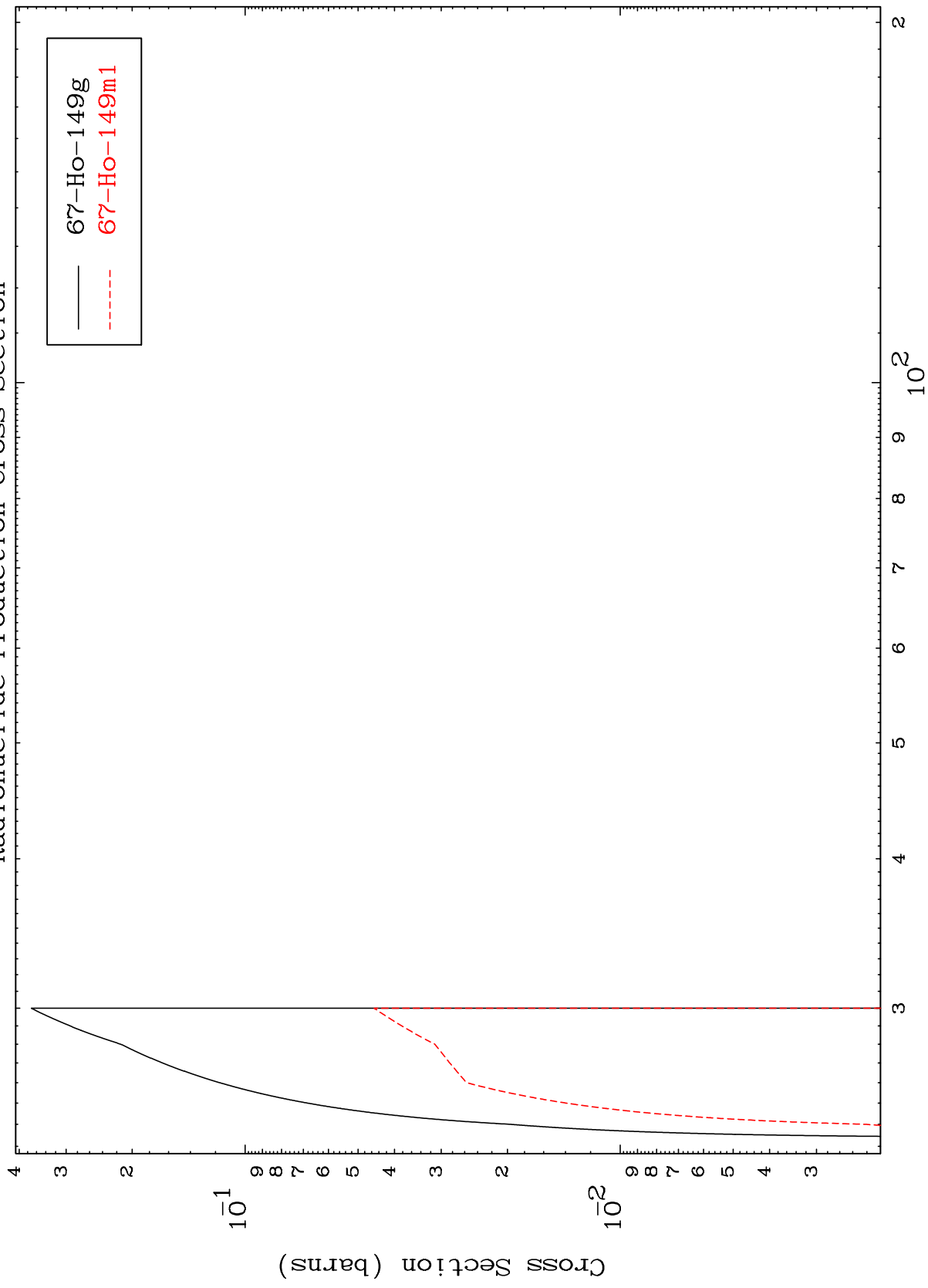
Incident Energy (MeV)

65-Tb-147m

MAT 6490

65-Tb-147m

(n,2n)
Radionuclide Production Cross Section



12

Incident Energy (MeV)

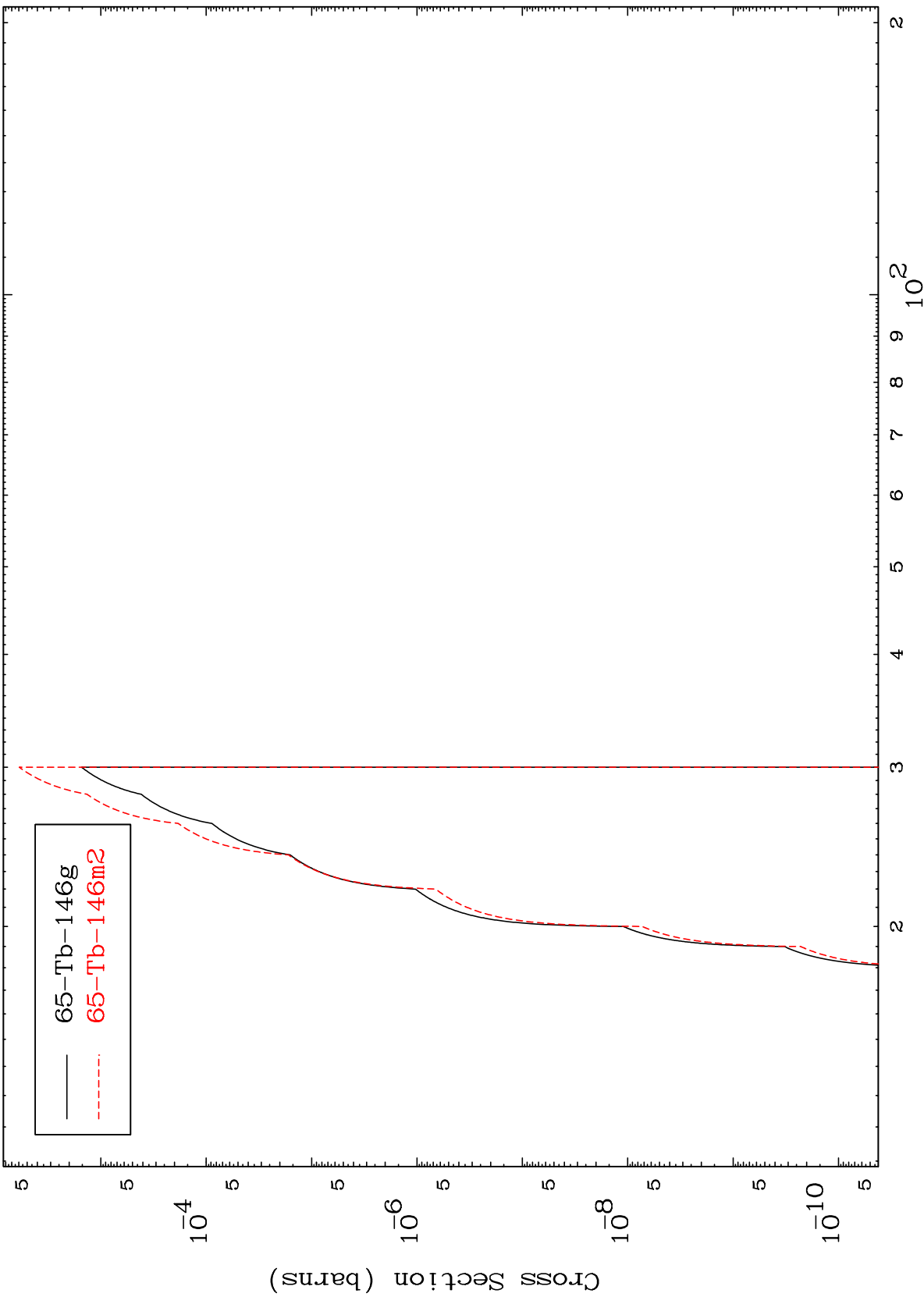
65-Tb-147m

MAT 6490

(n,n') α

65-Tb-147m

Radionuclide Production Cross Section

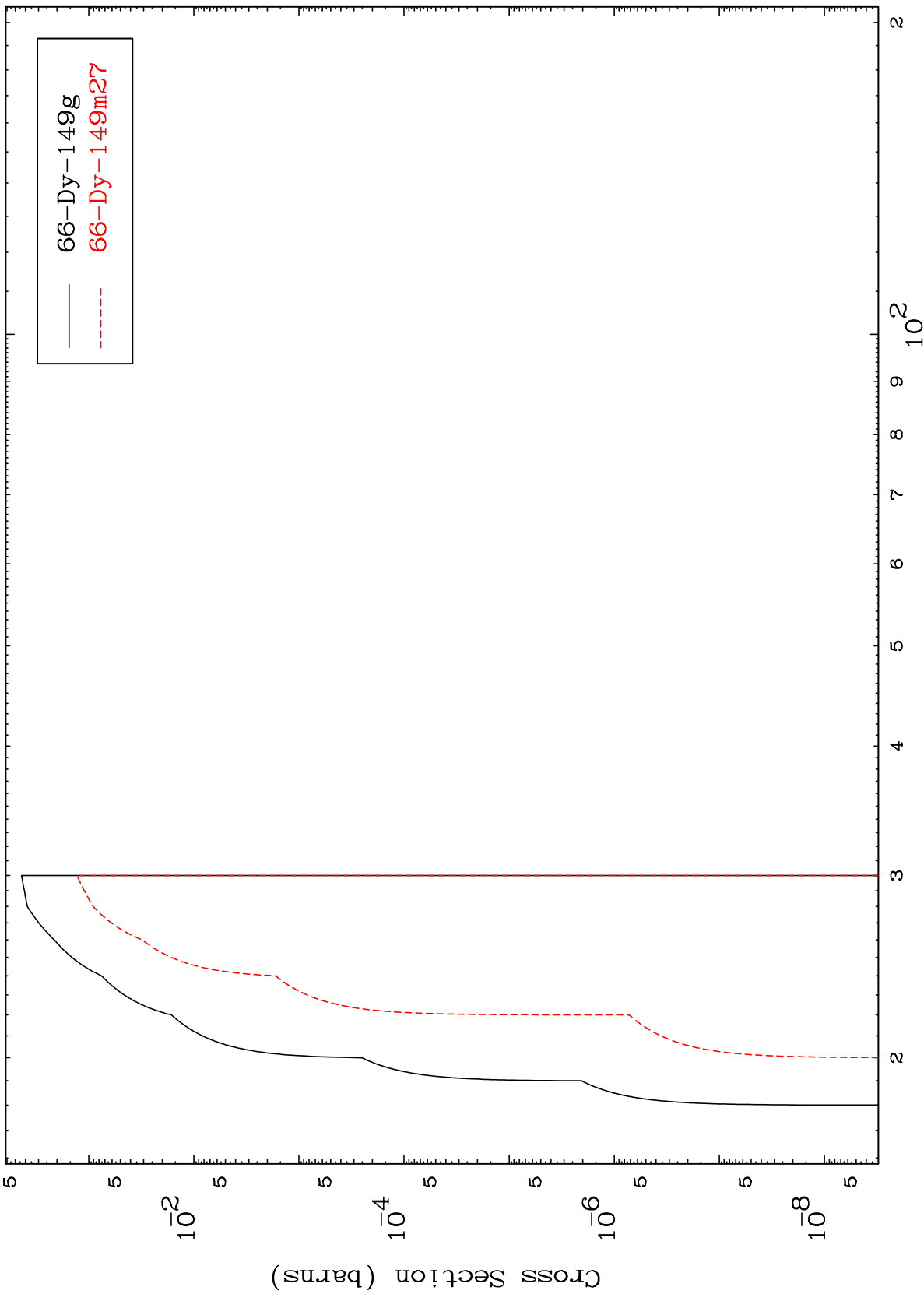


MAT 6490

(n,n') p

65-Tb-147m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

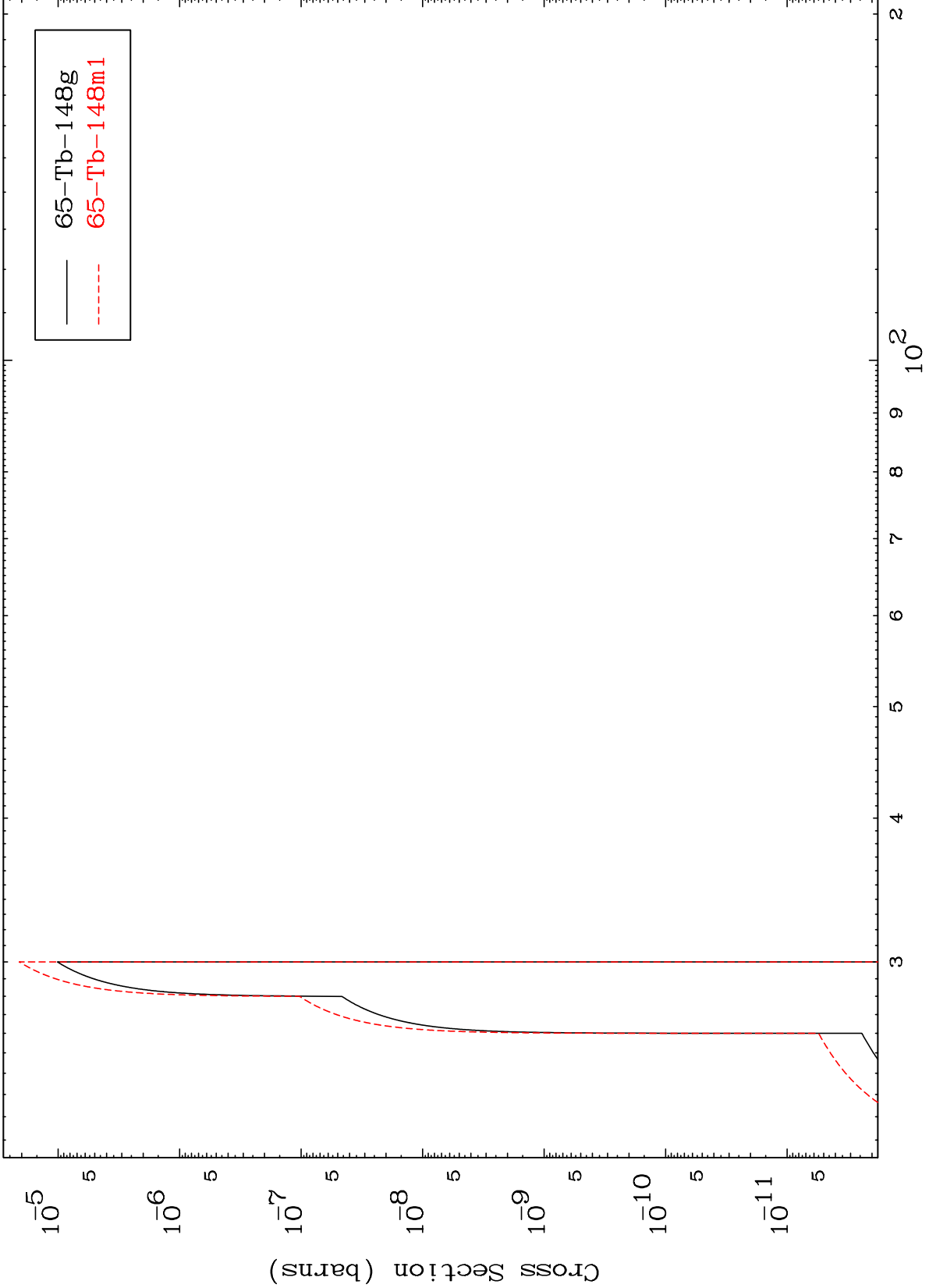
65-Tb-147m

MAT 6490

(n,2n) p

65-Tb-147m

Radionuclide Production Cross Section



15

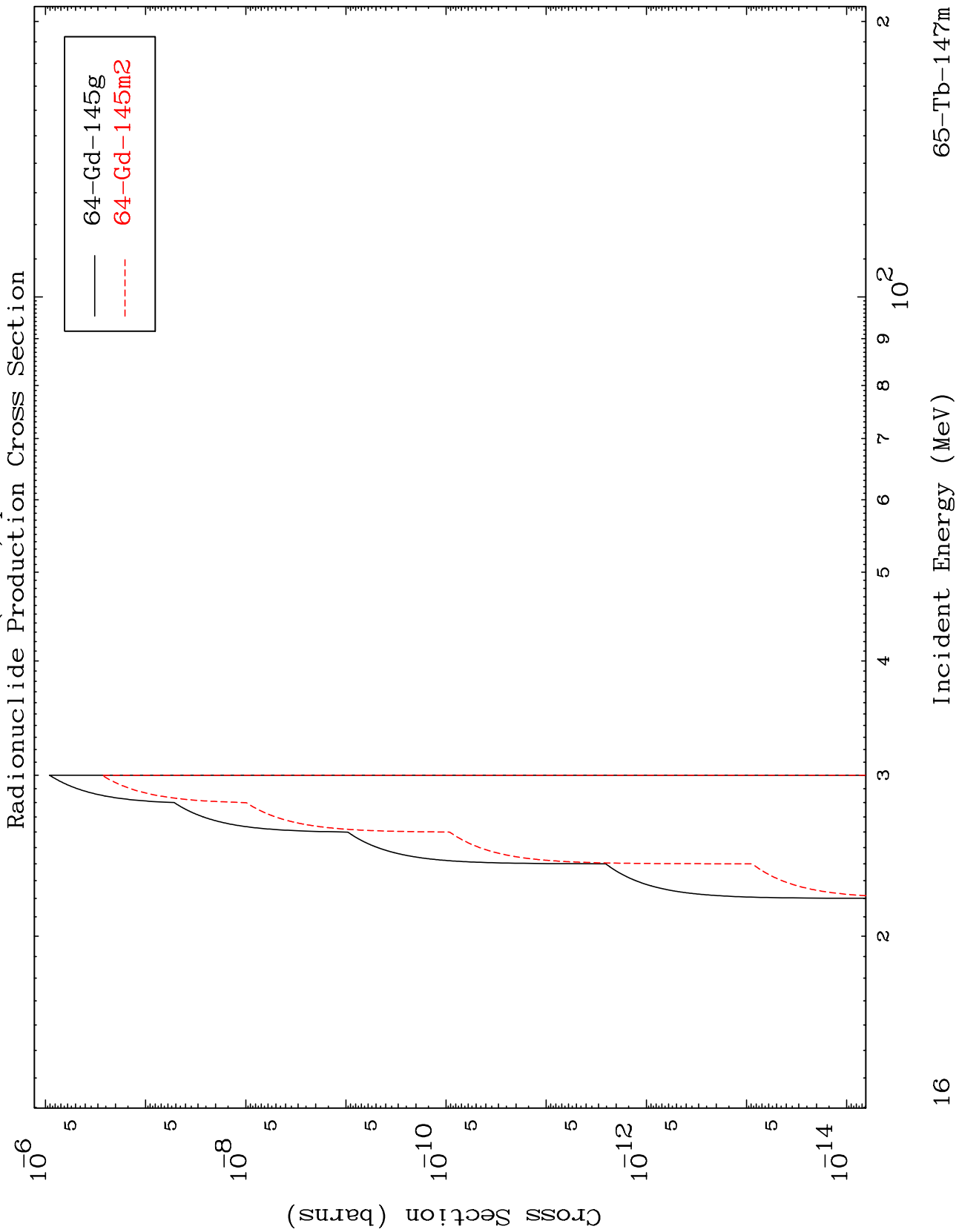
Incident Energy (MeV)

65-Tb-147m

MAT 6490

(n,n') p α

65-Tb-147m

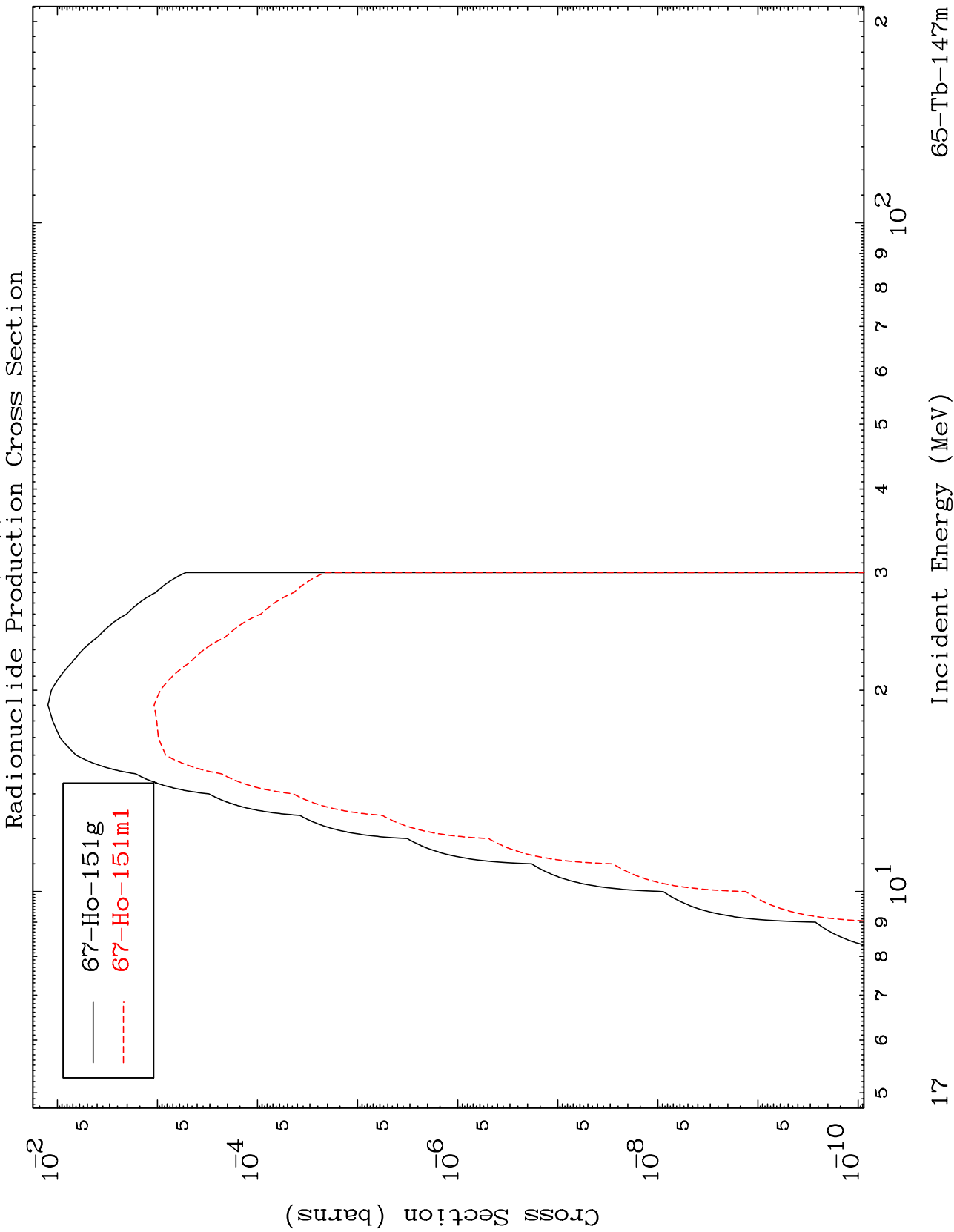


16

65-Tb-147m

MAT 6490

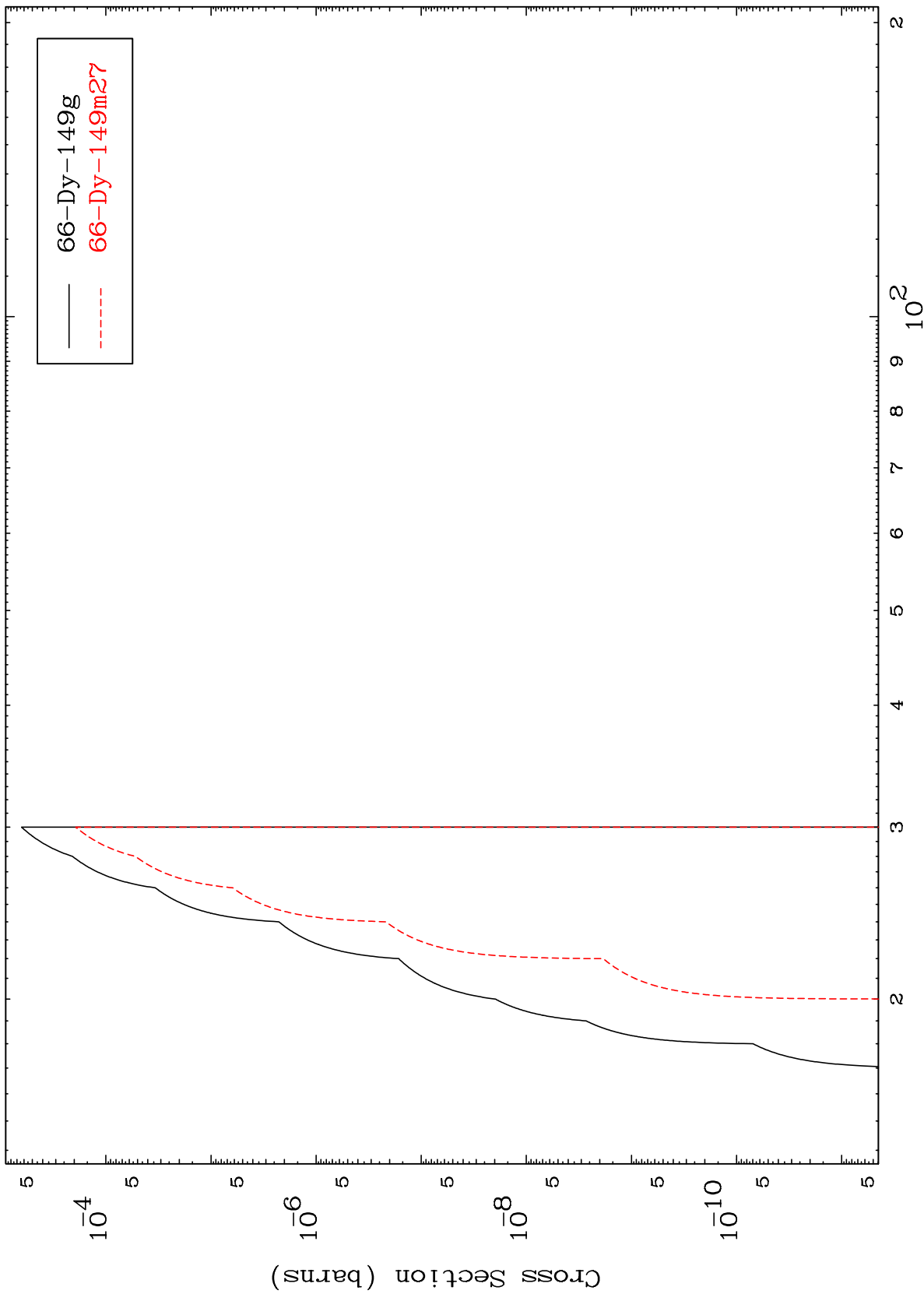
65-Tb-147m



MAT 6490

65-Tb-147m

(n,d)
Radionuclide Production Cross Section



18

Incident Energy (MeV)

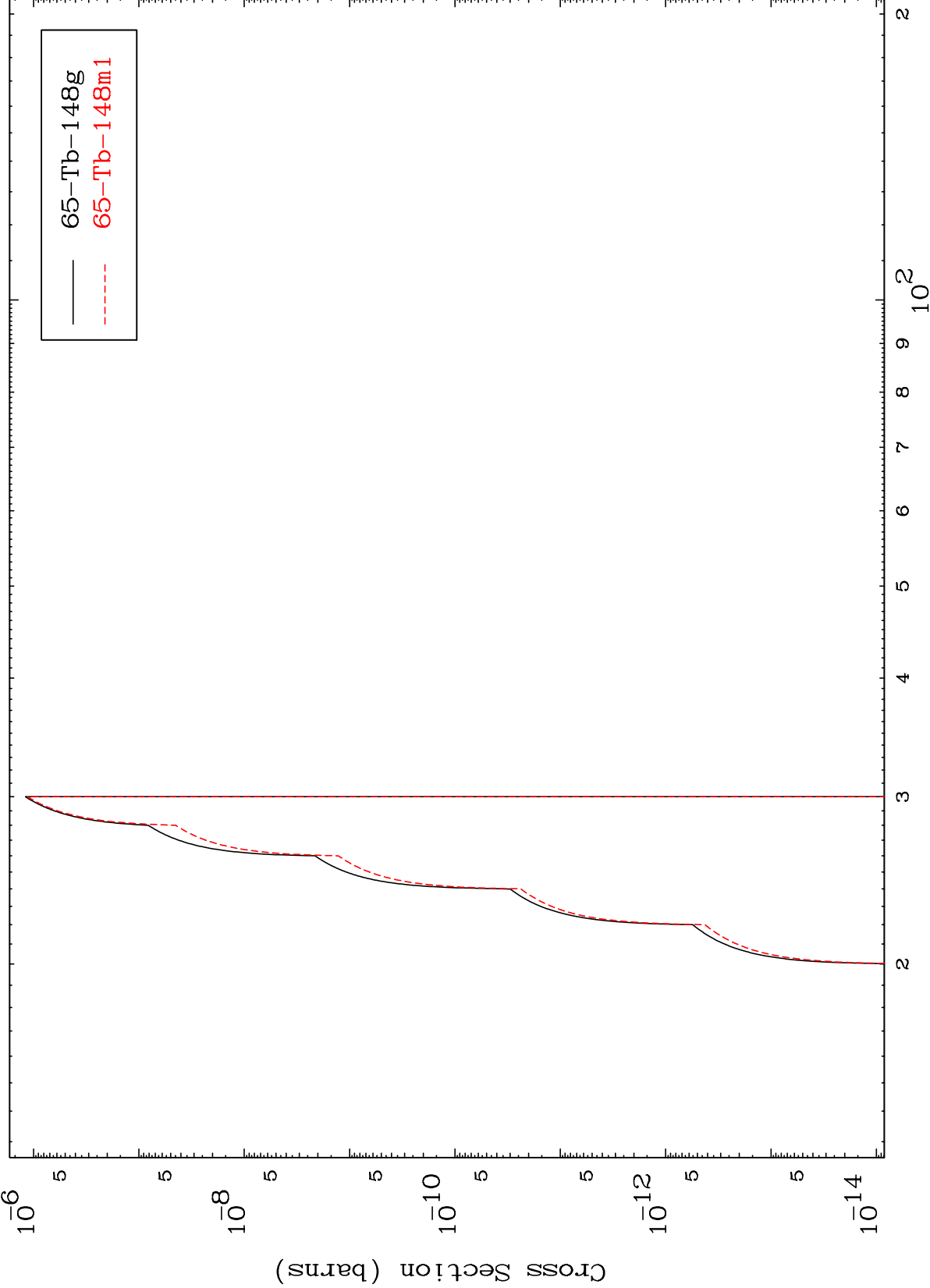
65-Tb-147m

MAT 6490

(n,He-3)

65-Tb-147m

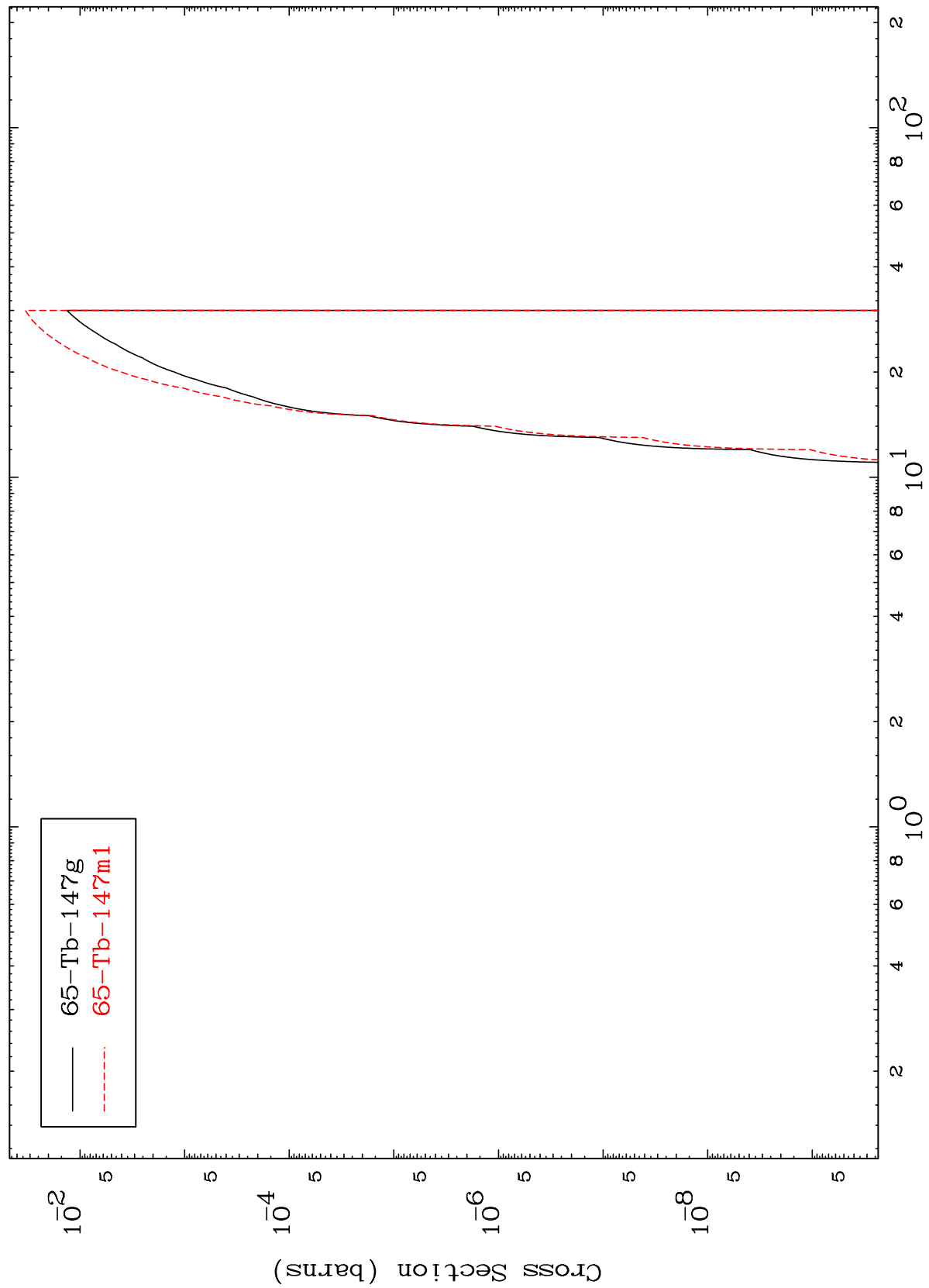
Radionuclide Production Cross Section



MAT 6490

65-Tb-147m

Radionuclide Production Cross Section
(n, α)

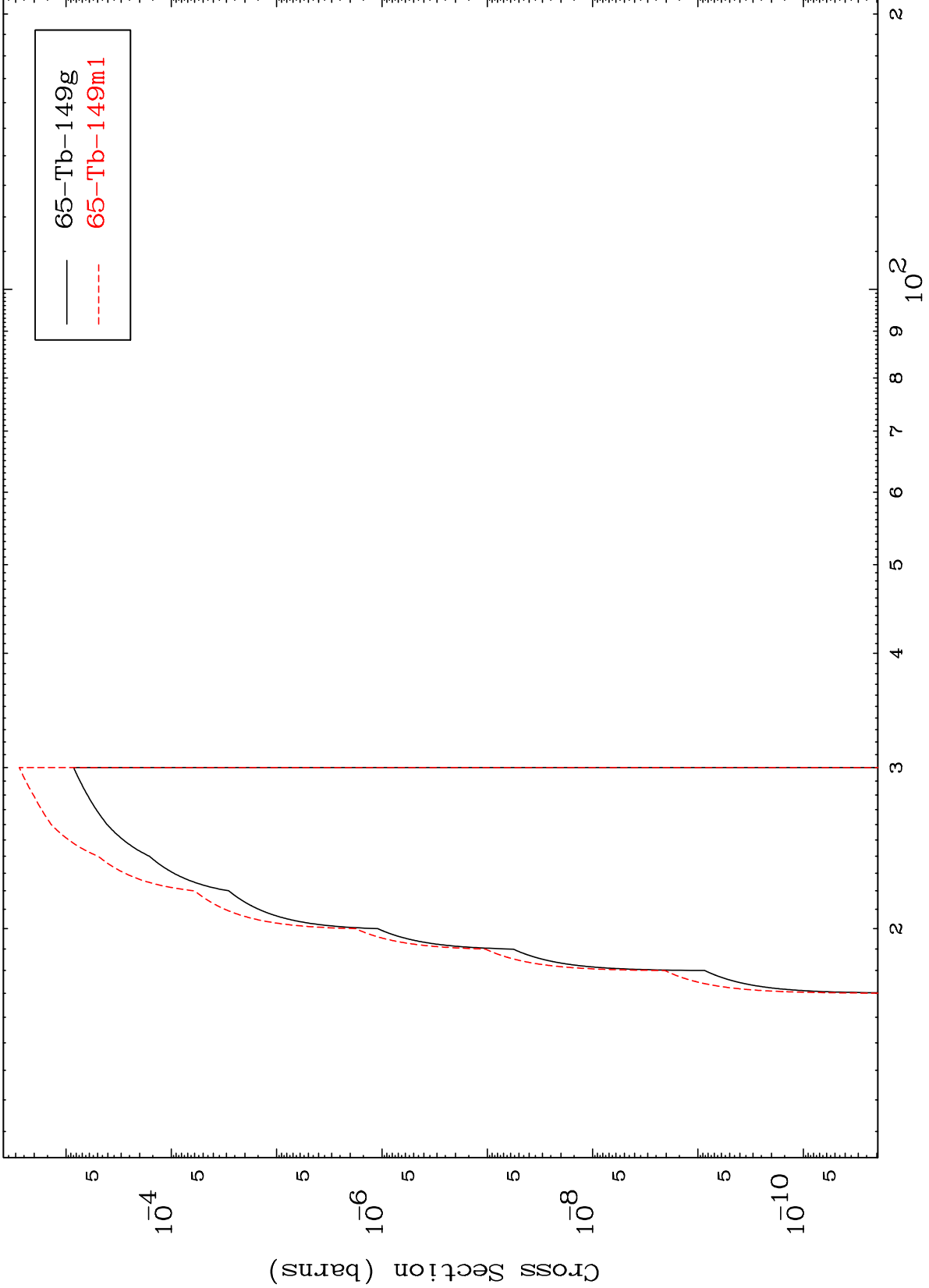


MAT 6490

(n,2p)

65-Tb-147m

Radionuclide Production Cross Section

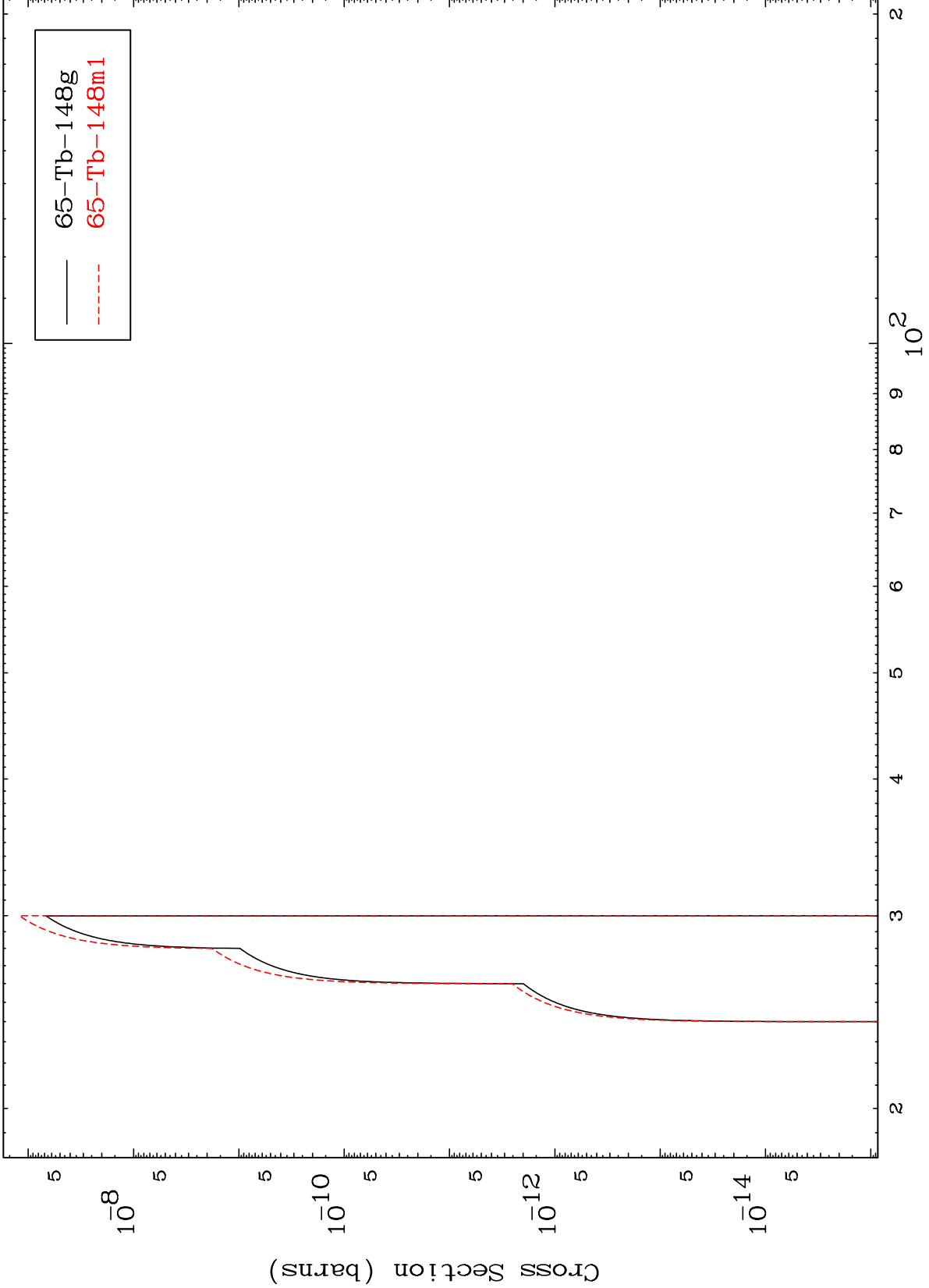


MAT 6490

(n,p) d

65-Tb-147m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

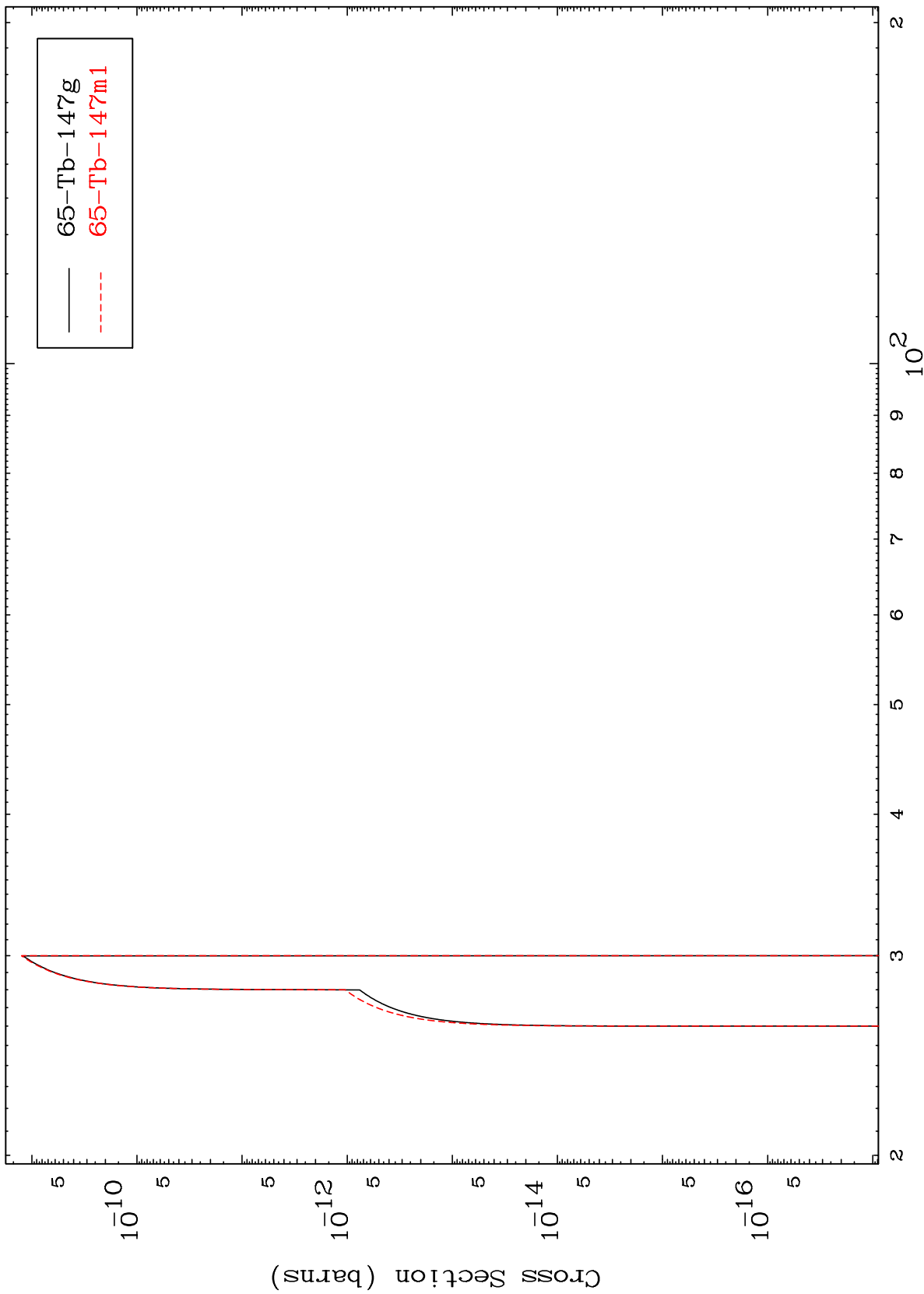
65-Tb-147m

MAT 6490

(n,p) t

65-Tb-147m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

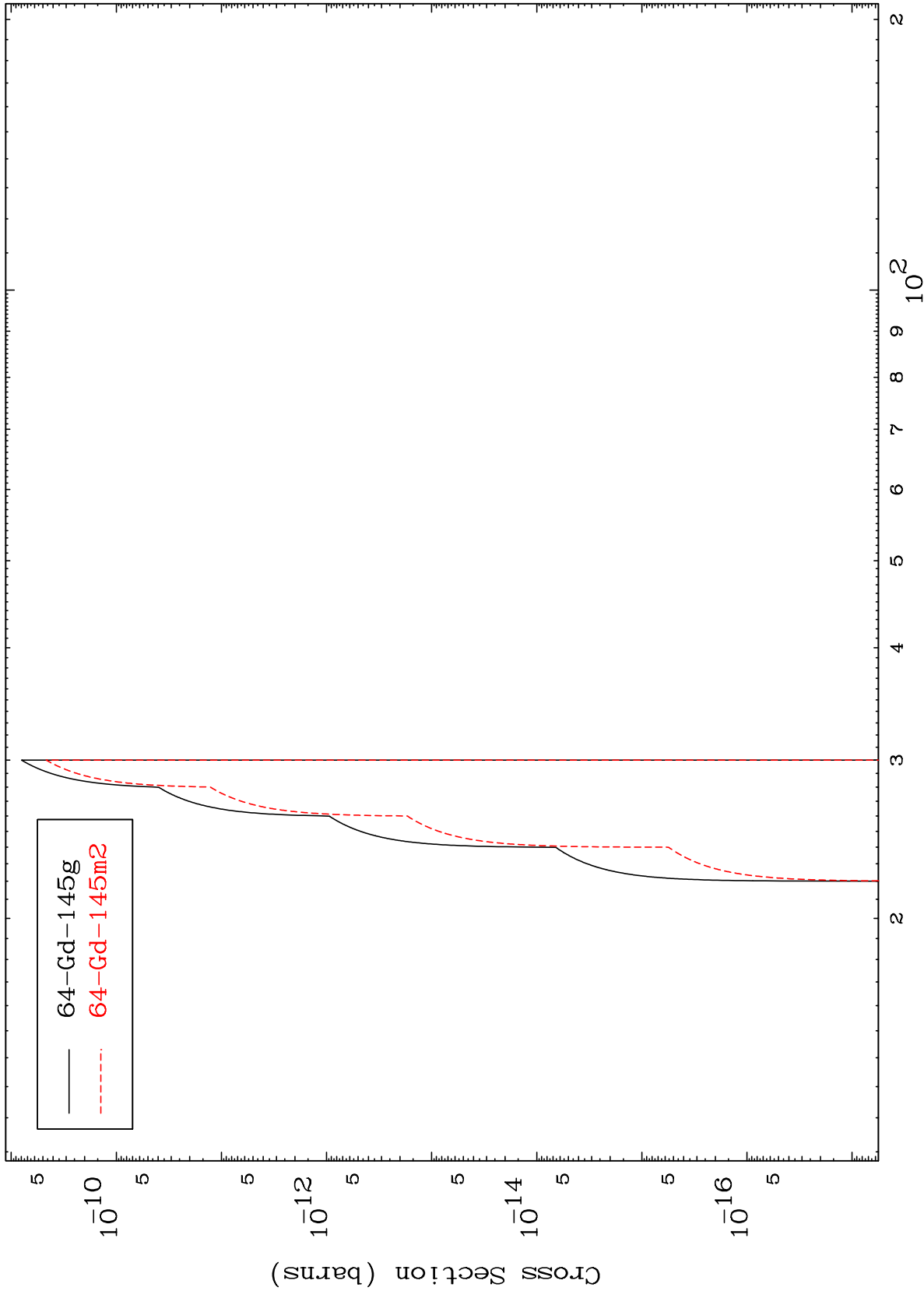
65-Tb-147m

MAT 6490

(n,d) α

65-Tb-147m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

65-Tb-147m