

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

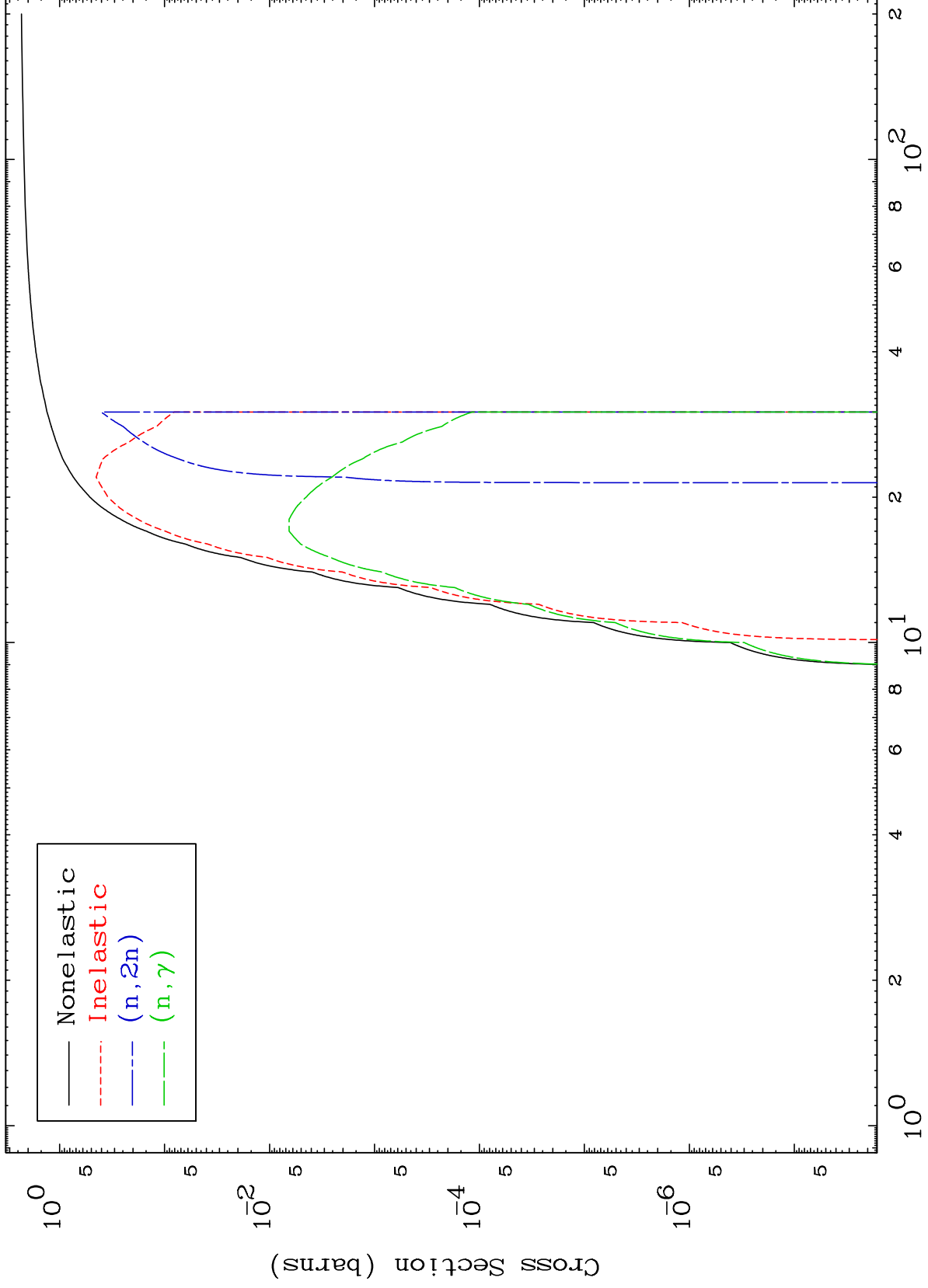
Press Mouse Button to Start

MAT 5905

0 Kelvin Cross Sections

α Major

59-Pr-134m



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

59-Pr-134m

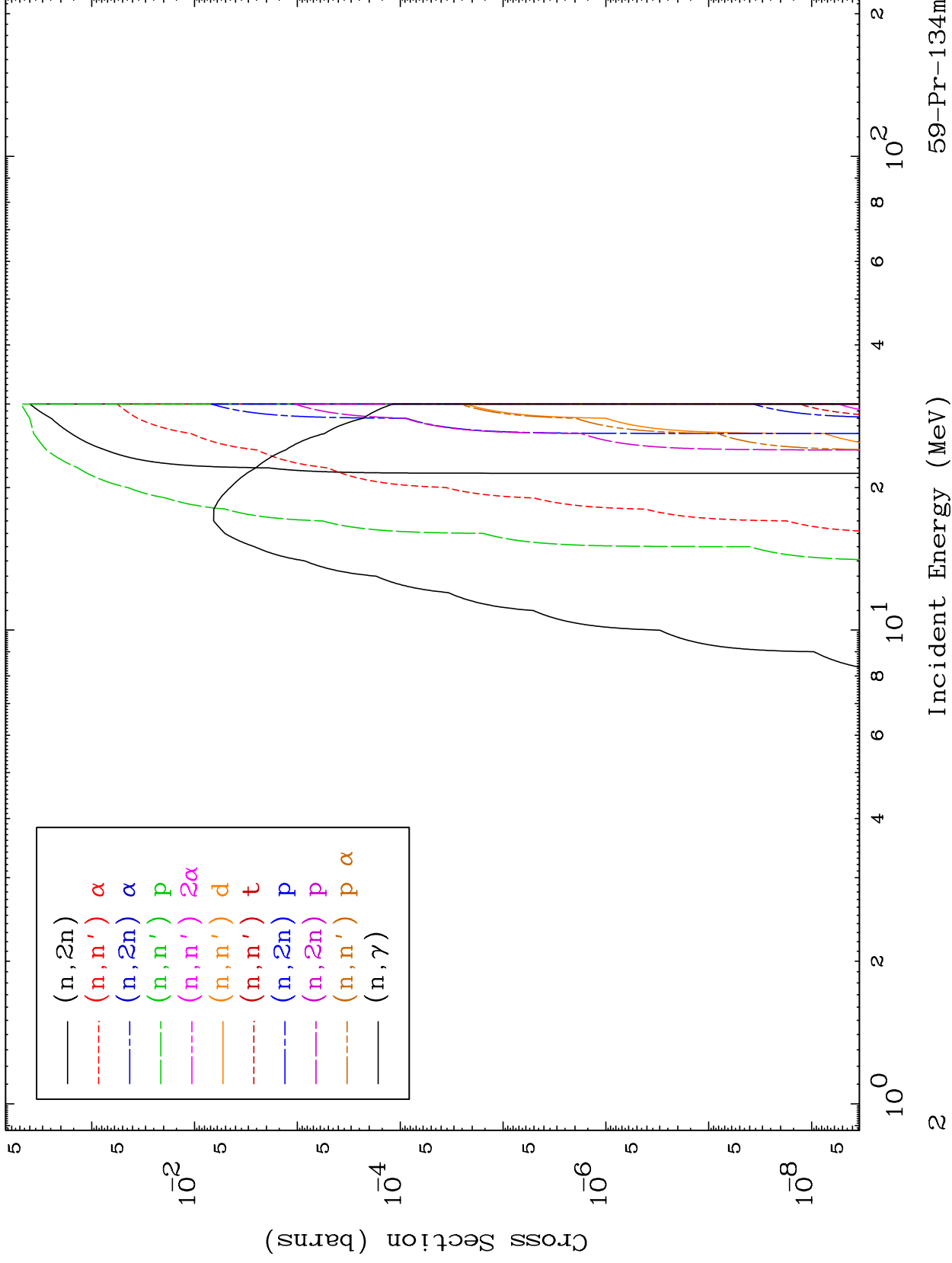
Incident Energy (MeV)

1

MAT 5905

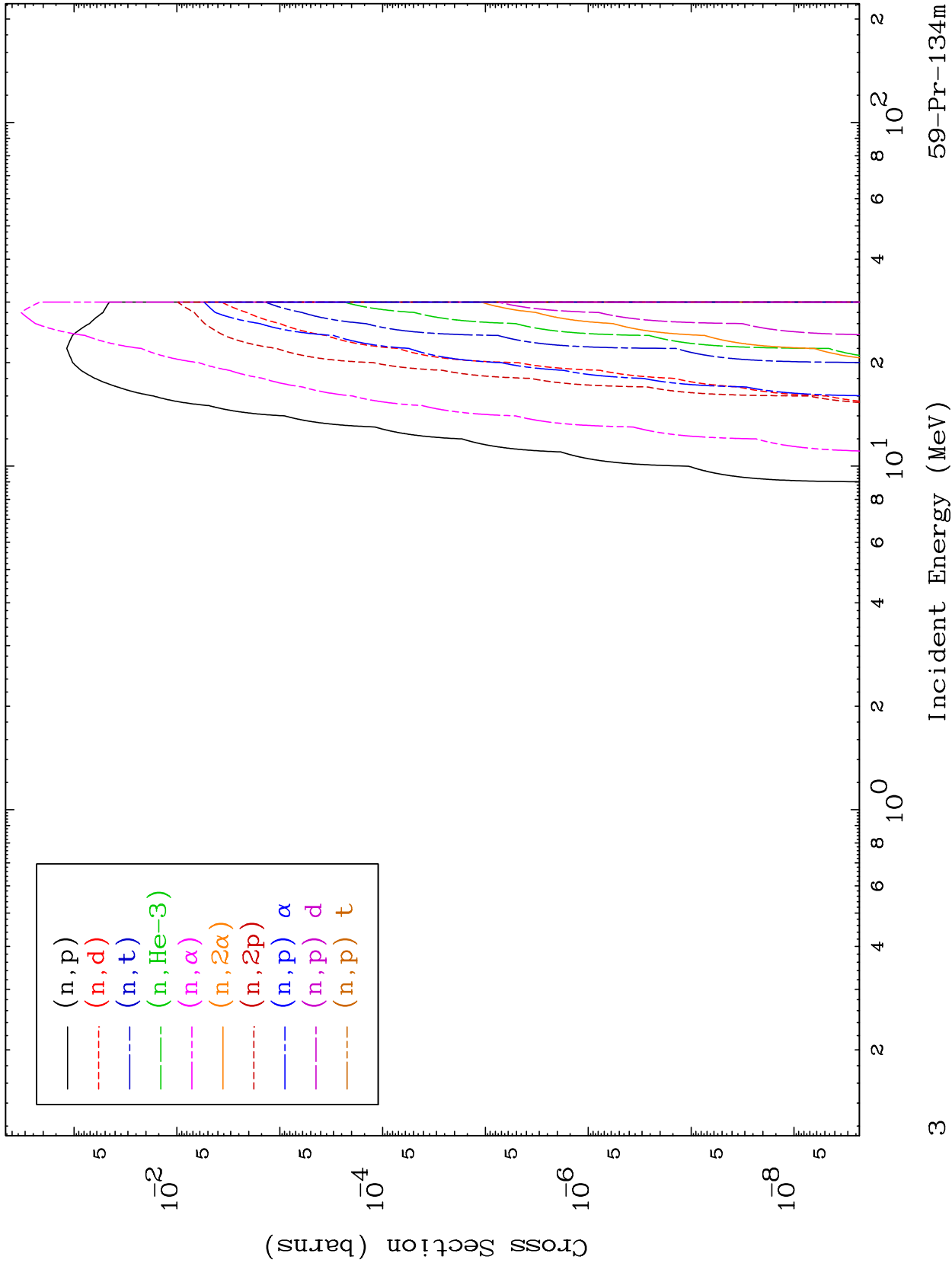
α Neutron Absorption
0 Kelvin Cross Sections

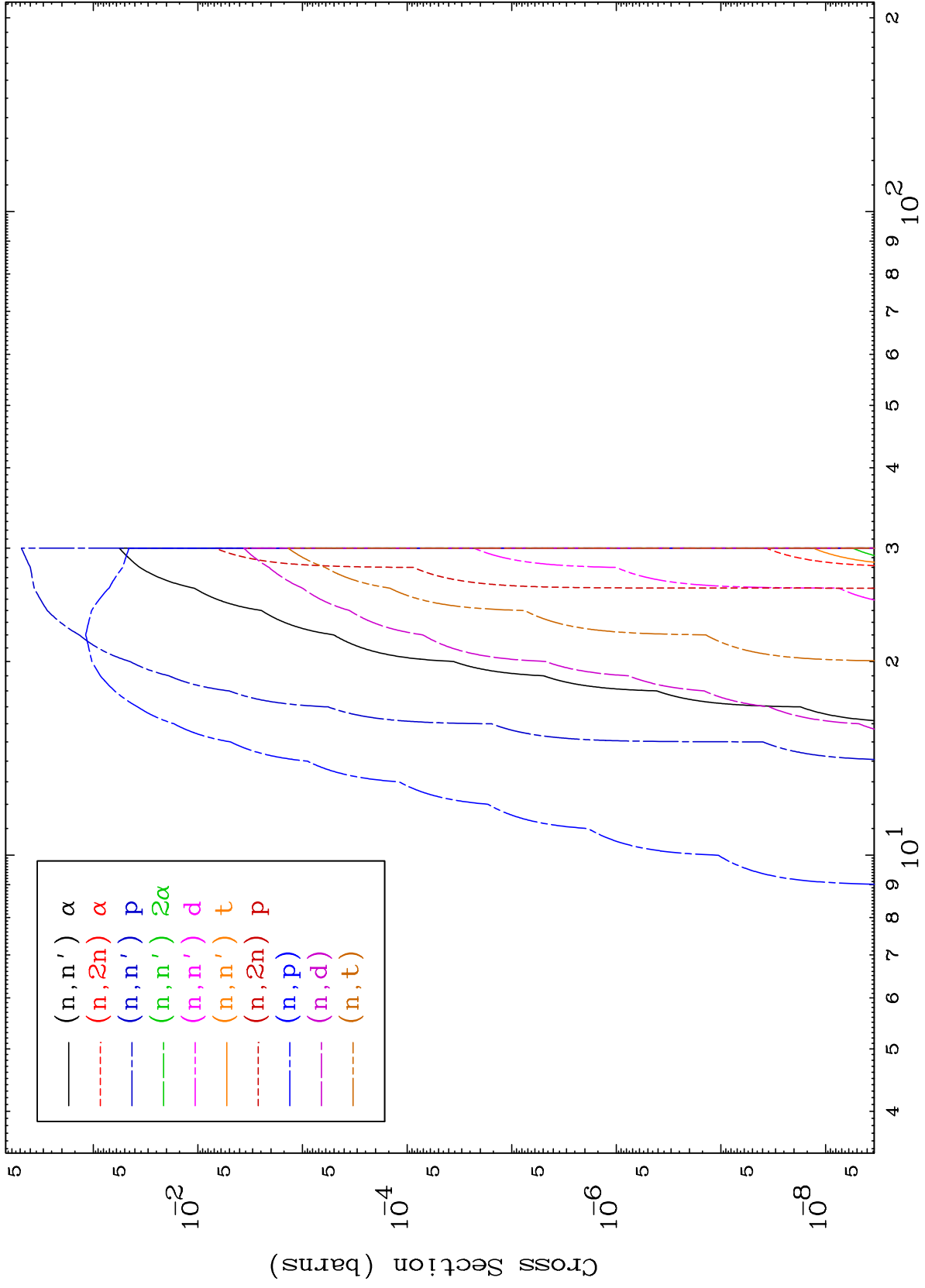
59-Pr-134m

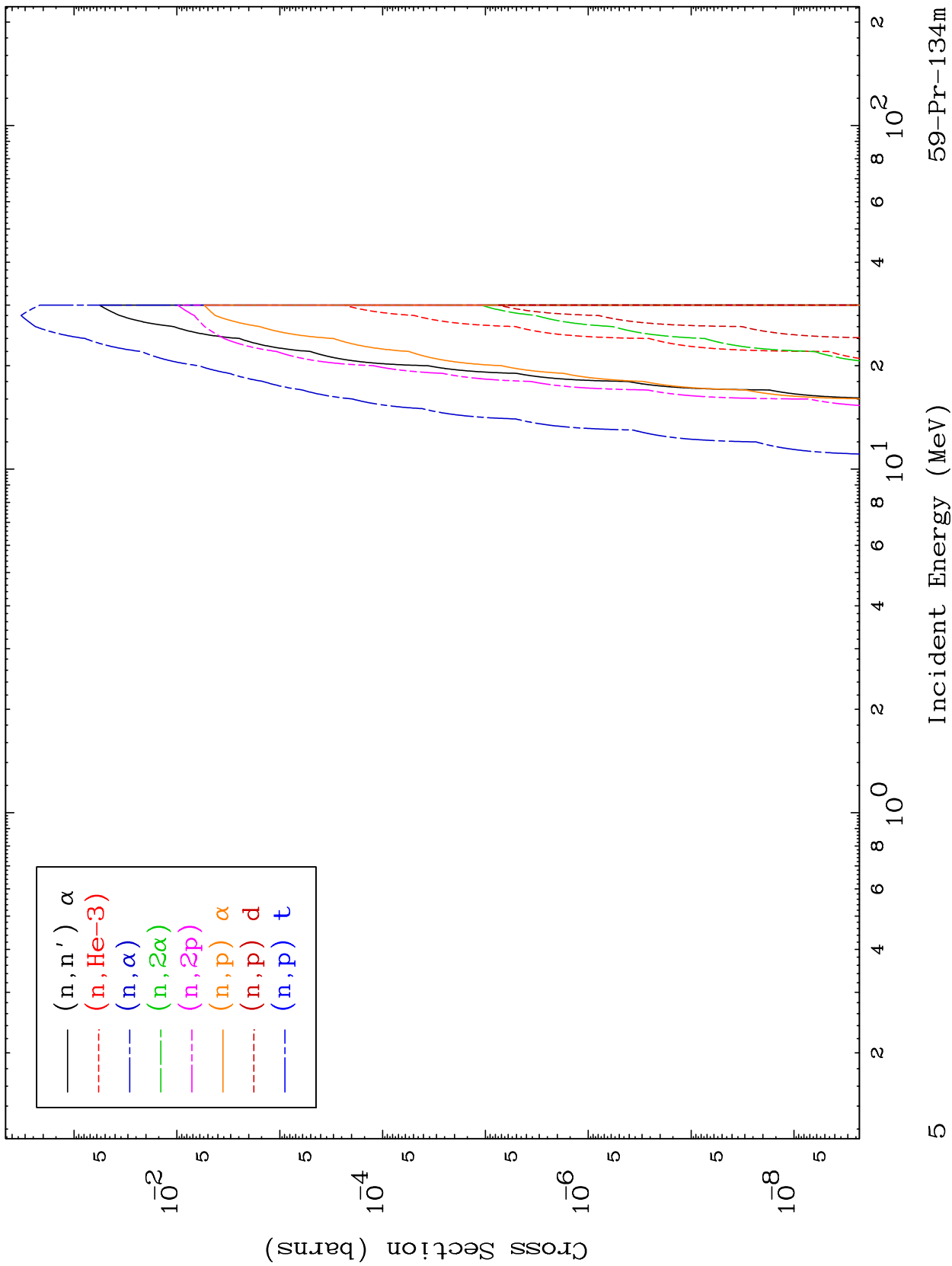


Incident Energy (MeV)

59-Pr-134m





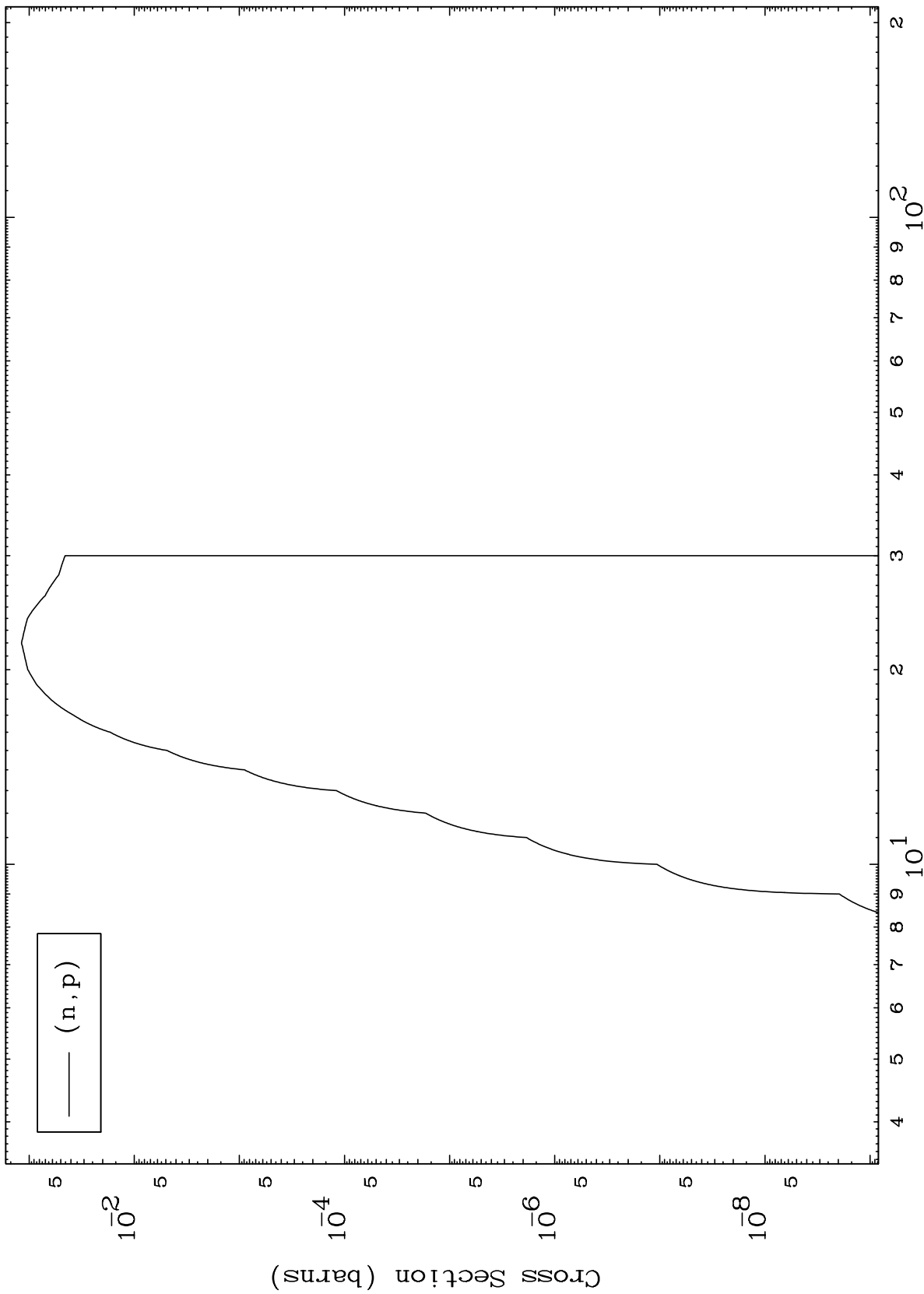


MAT 5905

(α, p) Levels

59-Pr-134m

0 Kelvin Cross Sections



Incident Energy (MeV)

59-Pr-134m

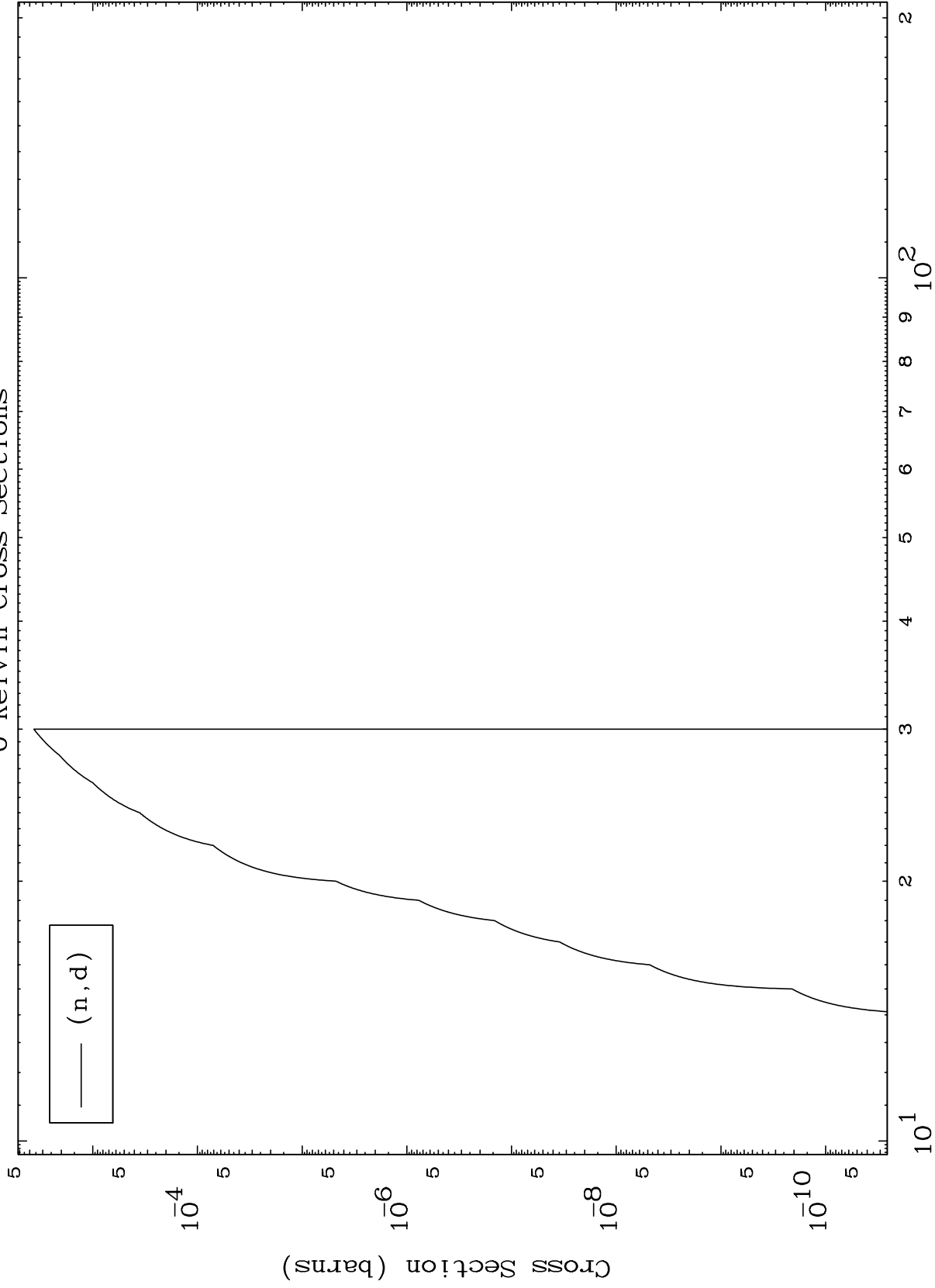
6

MAT 5905

(α, d) Levels

59-Pr-134m

0 Kelvin Cross Sections



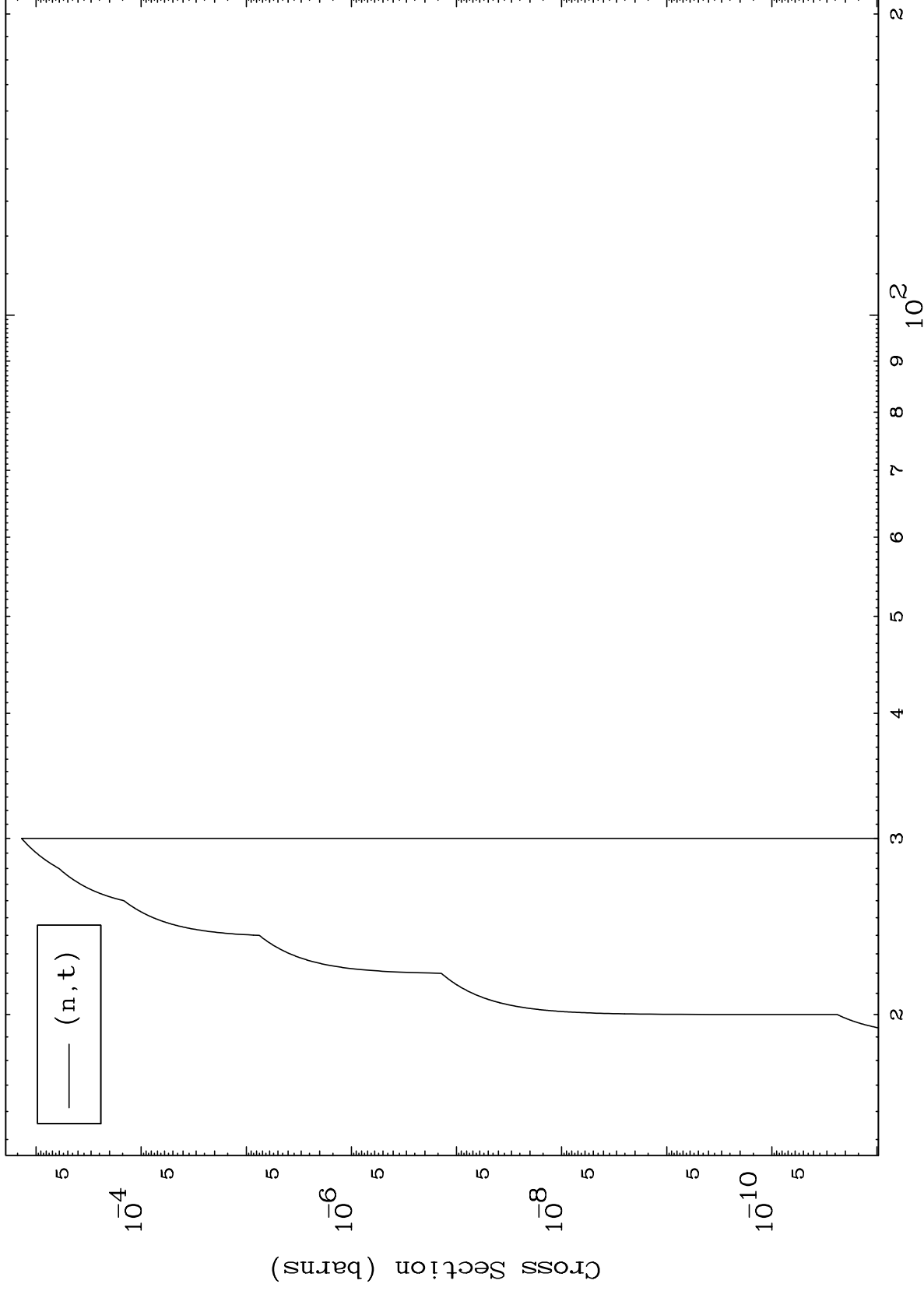
Incident Energy (MeV)

59-Pr-134m

MAT 5905

(α, t) Levels
0 Kelvin Cross Sections

59-Pr-134m



8

Incident Energy (MeV)

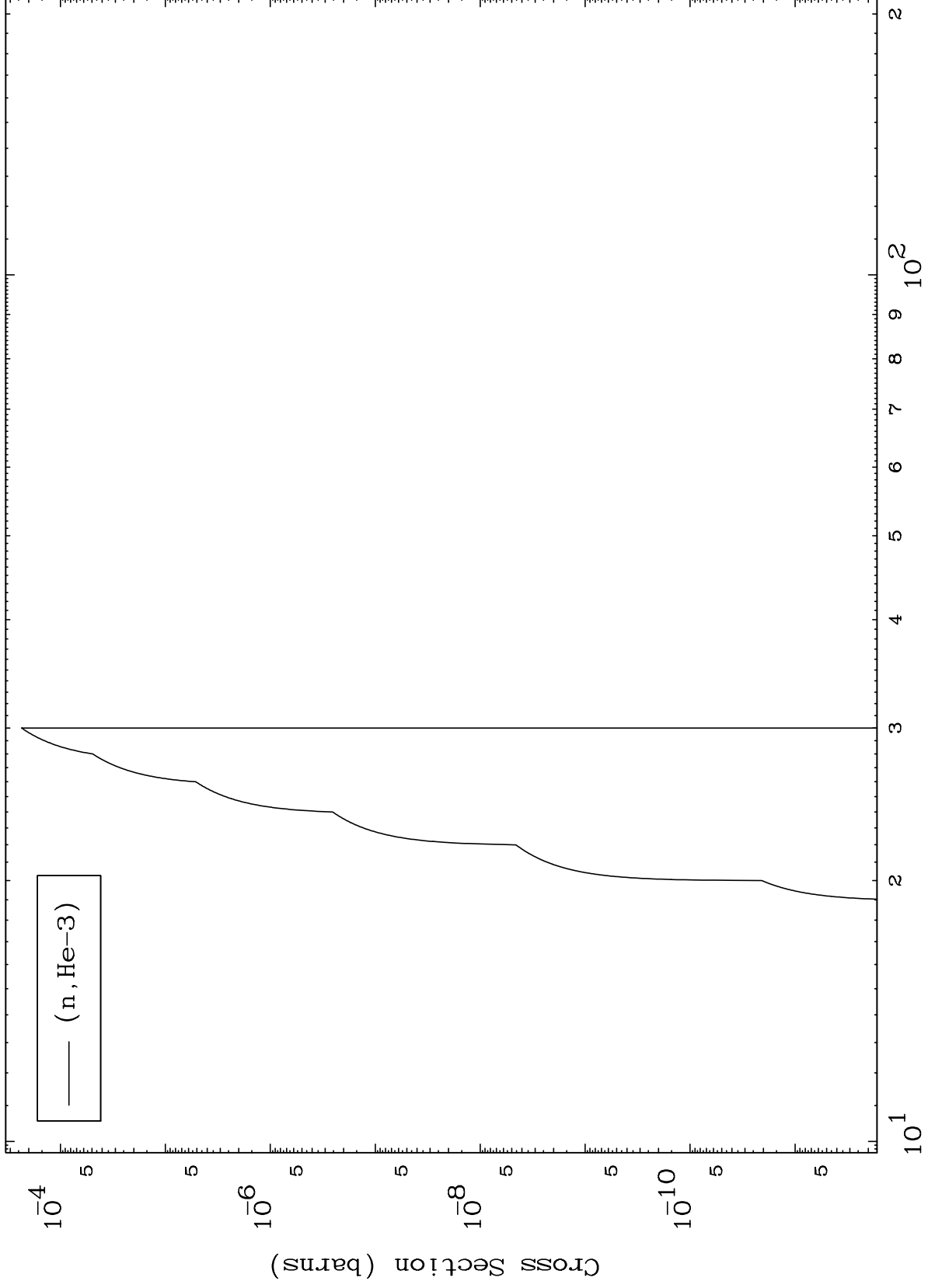
59-Pr-134m

MAT 5905

($\alpha, \text{He3}$) Levels

59-Pr-134m

0 Kelvin Cross Sections



Incident Energy (MeV)

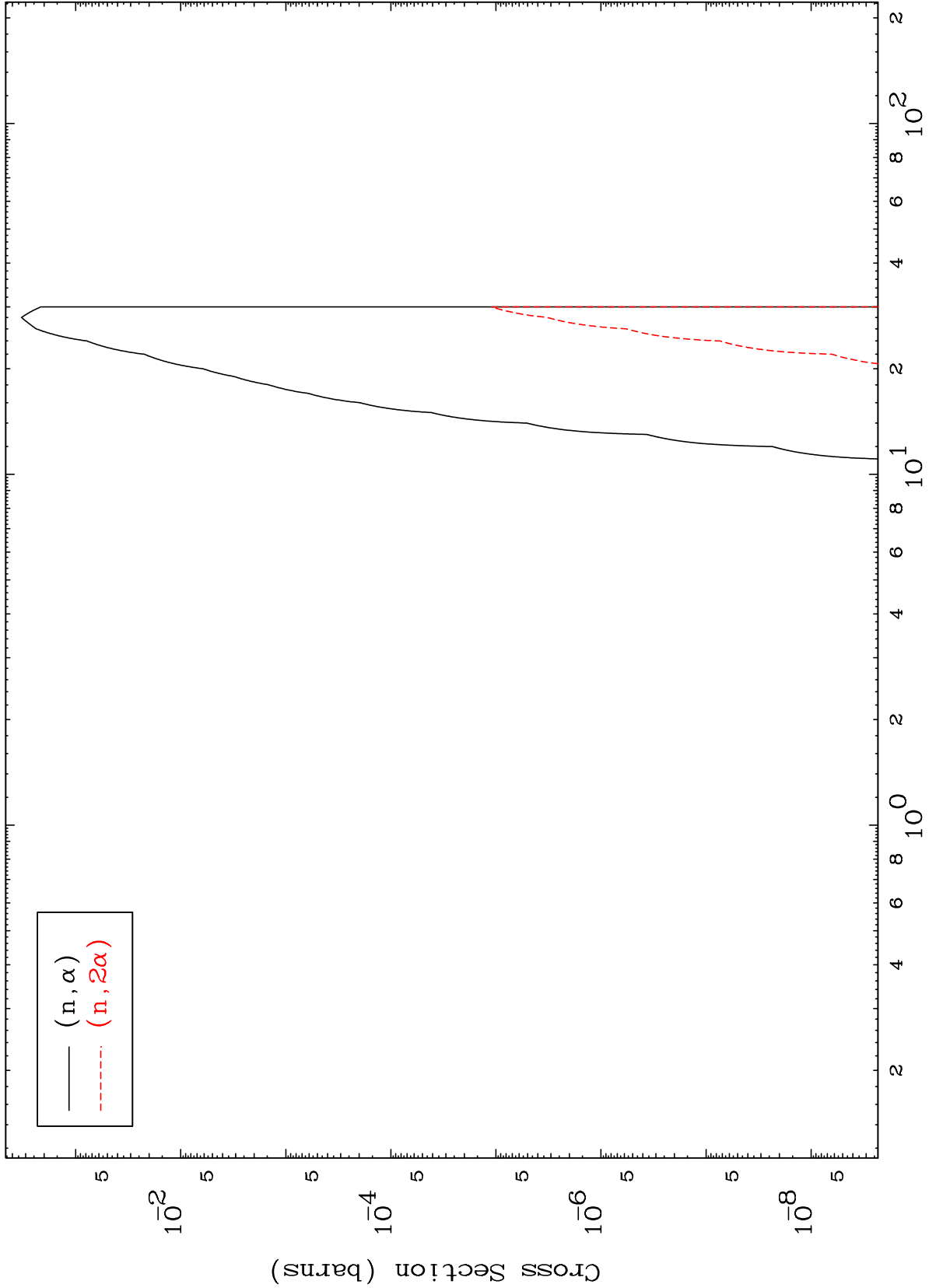
59-Pr-134m

MAT 5905

(α, α) Levels

59-Pr-134m

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2α)

10

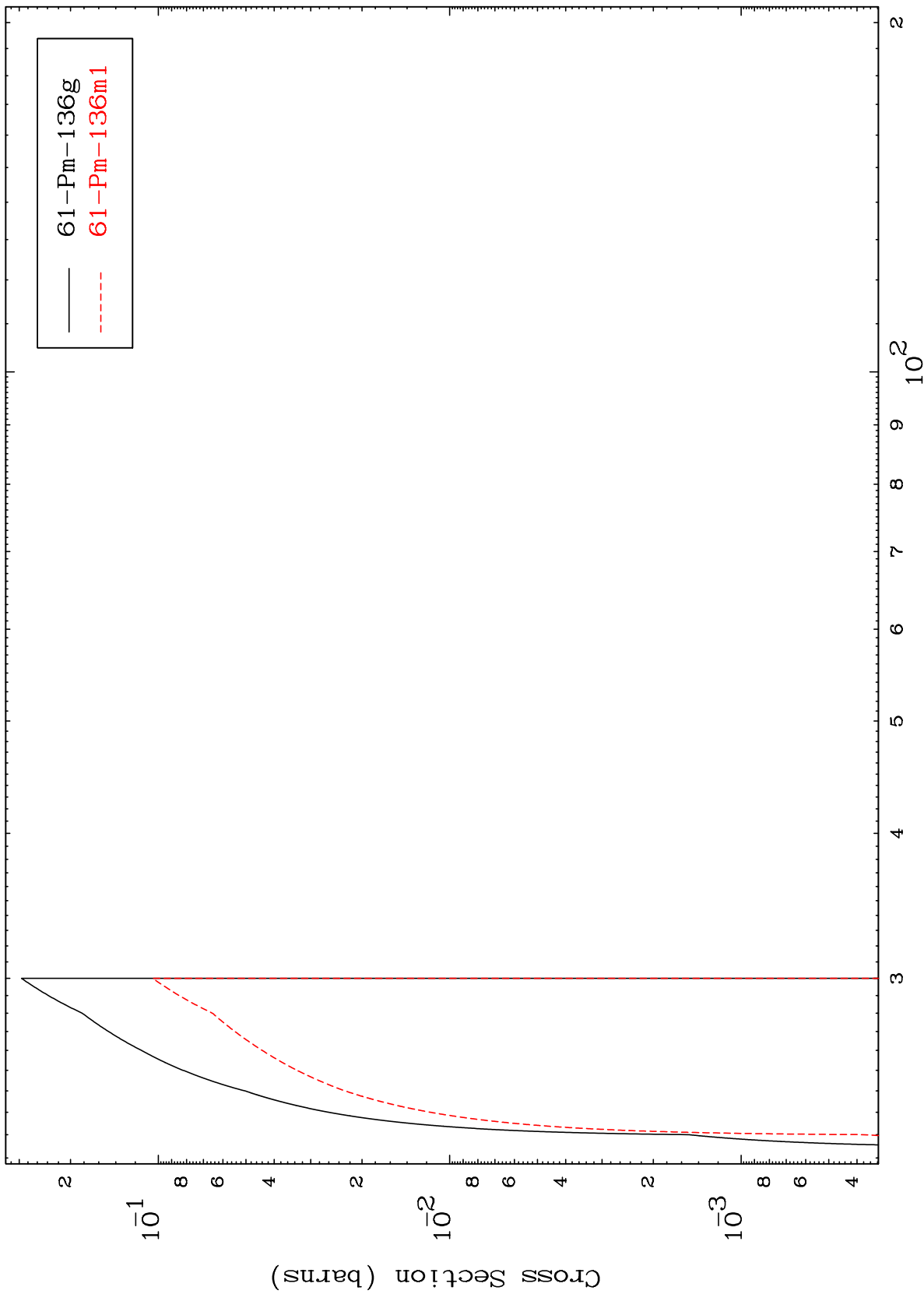
Incident Energy (MeV)

59-Pr-134m

MAT 5905

59-Pr-134m

(n,2n)
Radionuclide Production Cross Section



59-Pr-134m

Incident Energy (MeV)

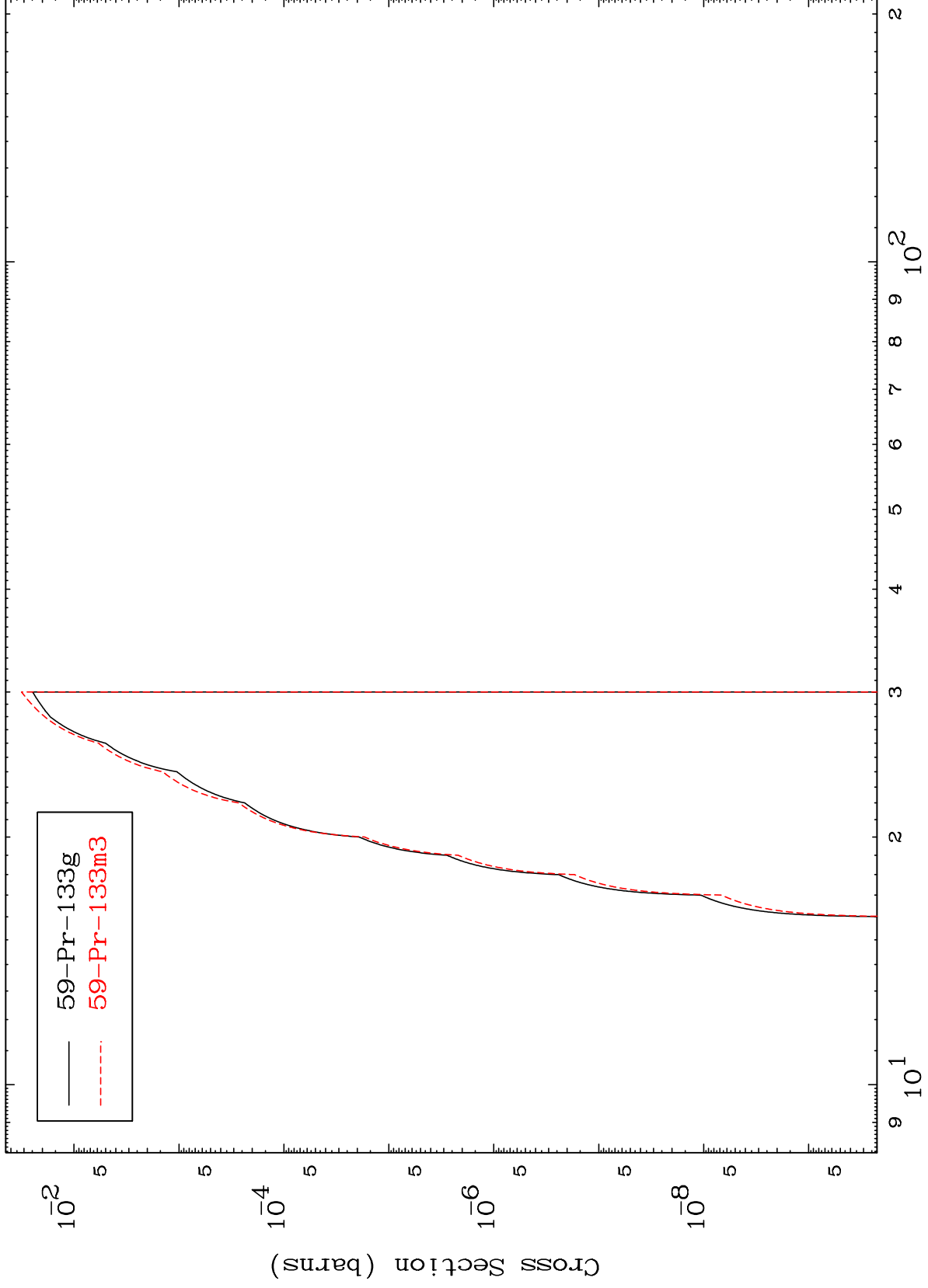
11

MAT 5905

59-Pr-134m

(n,n') α

Radionuclide Production Cross Section



12

Incident Energy (MeV)

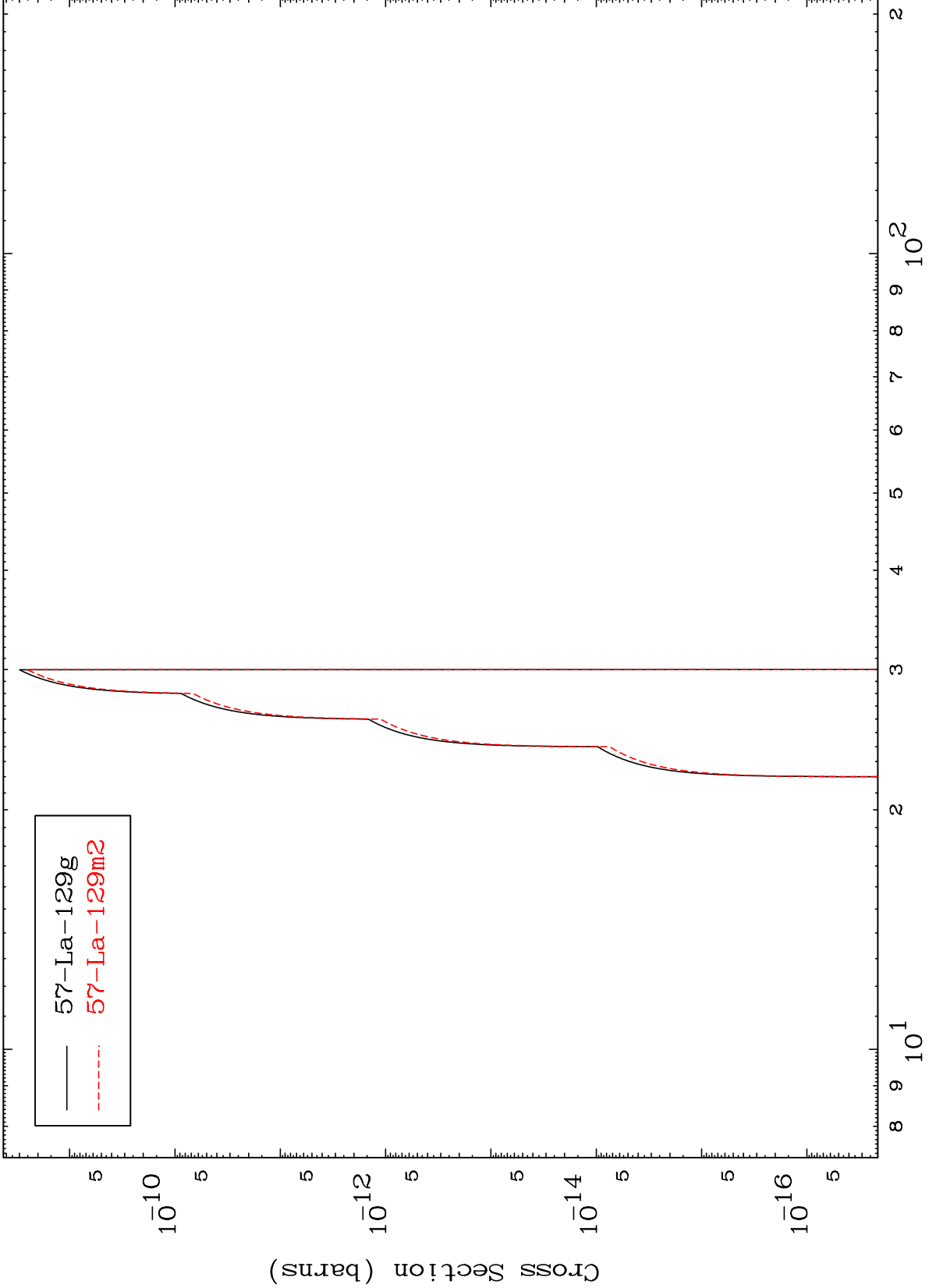
59-Pr-134m

MAT 5905

(n,n') 2α

59-Pr-134m

Radionuclide Production Cross Section



13

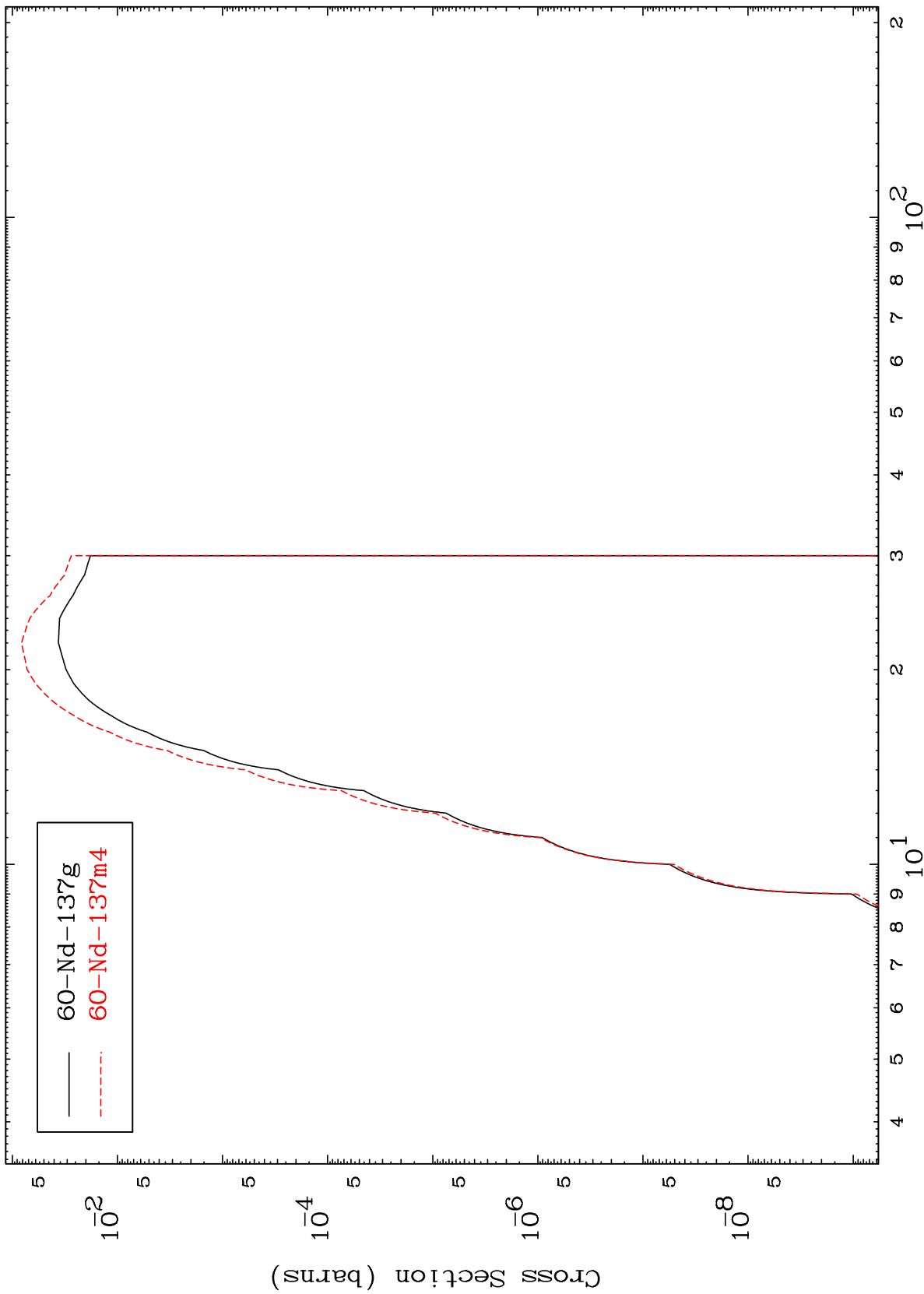
Incident Energy (MeV)

59-Pr-134m

MAT 5905

59-Pr-134m

(n,p)
Radionuclide Production Cross Section



59-Pr-134m

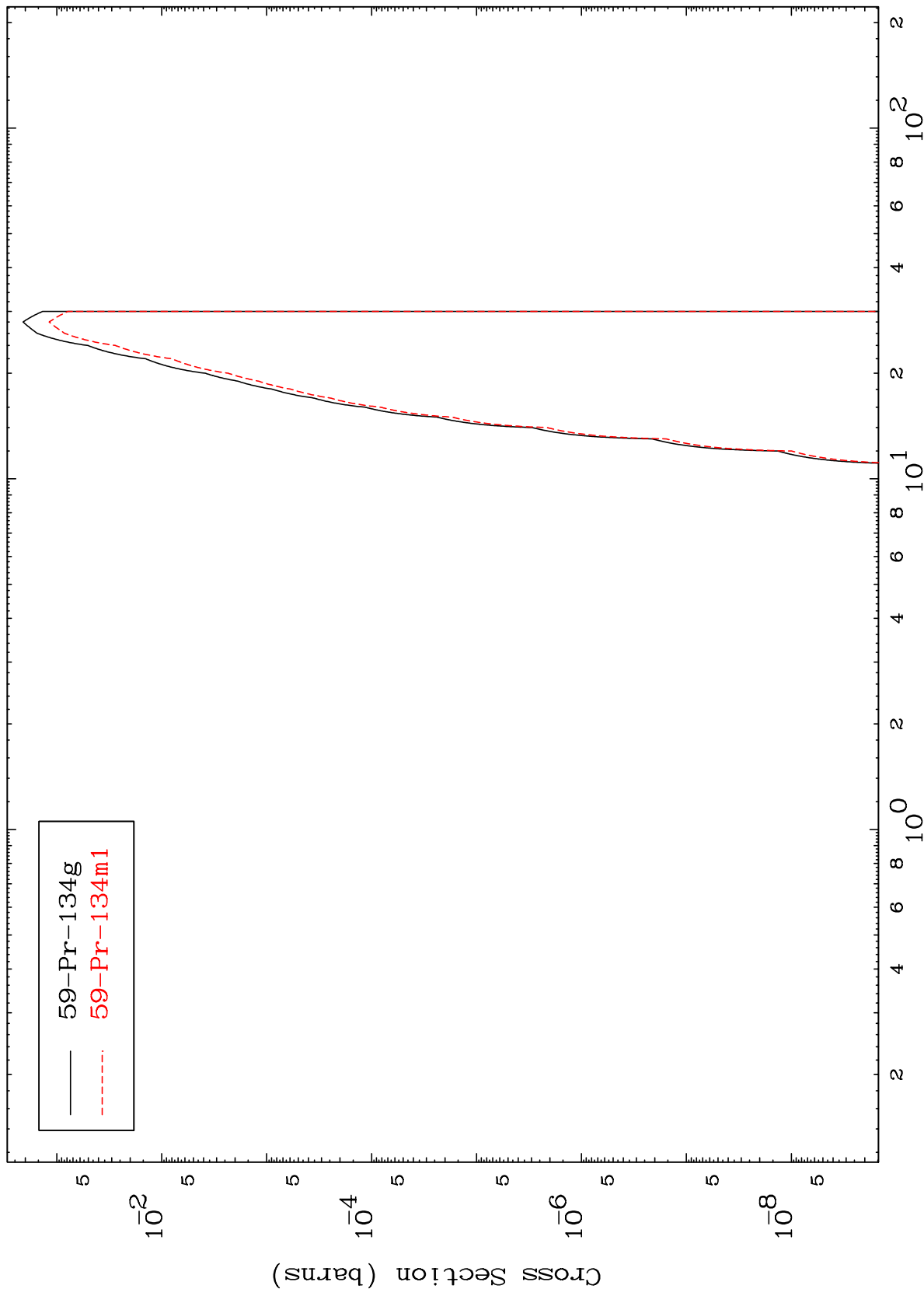
Incident Energy (MeV)

14

MAT 5905

59-Pr-134m

Radionuclide Production Cross Section



59-Pr-134m

Incident Energy (MeV)

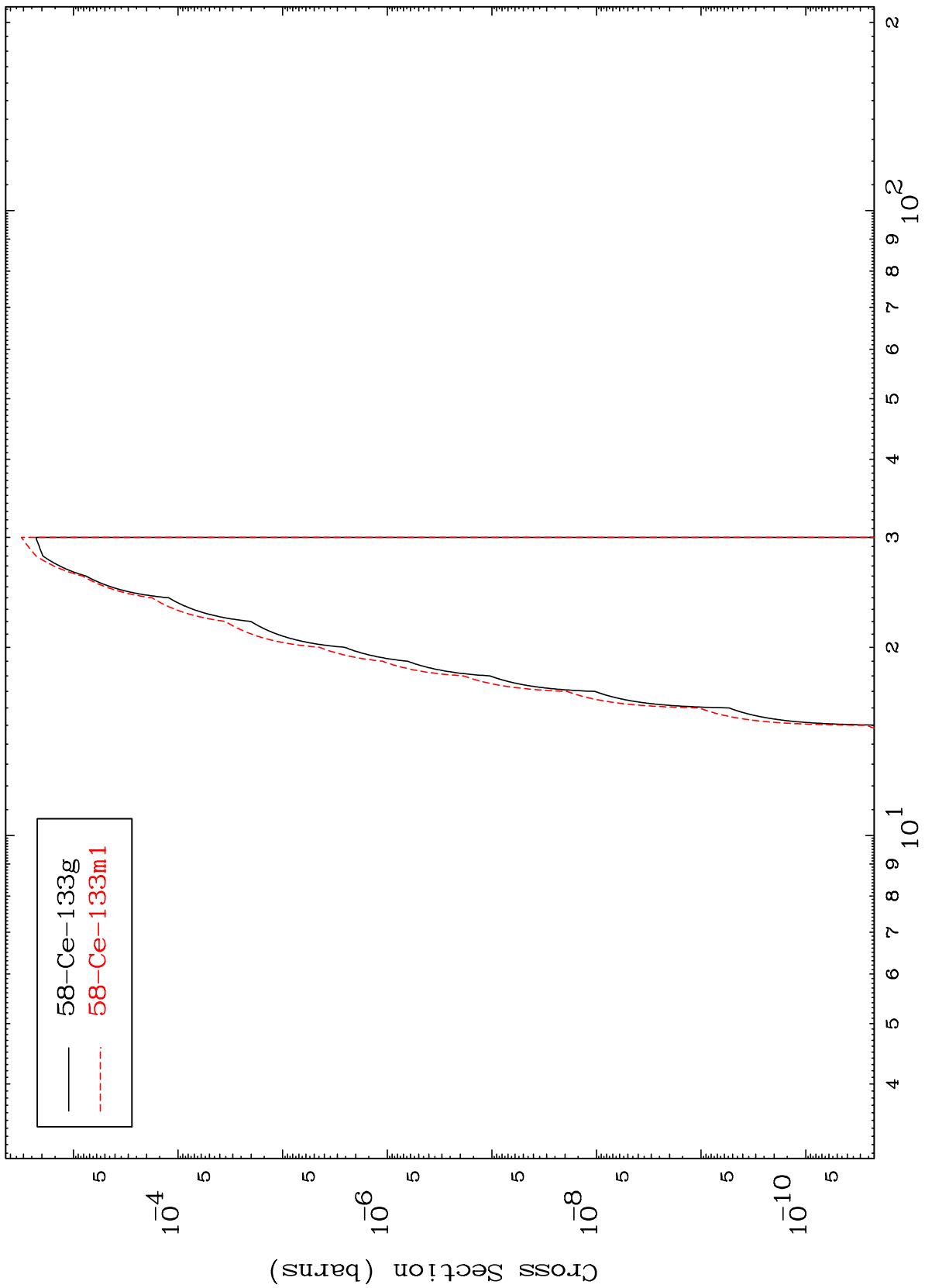
15

MAT 5905

(n,p) α

59-Pr-134m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

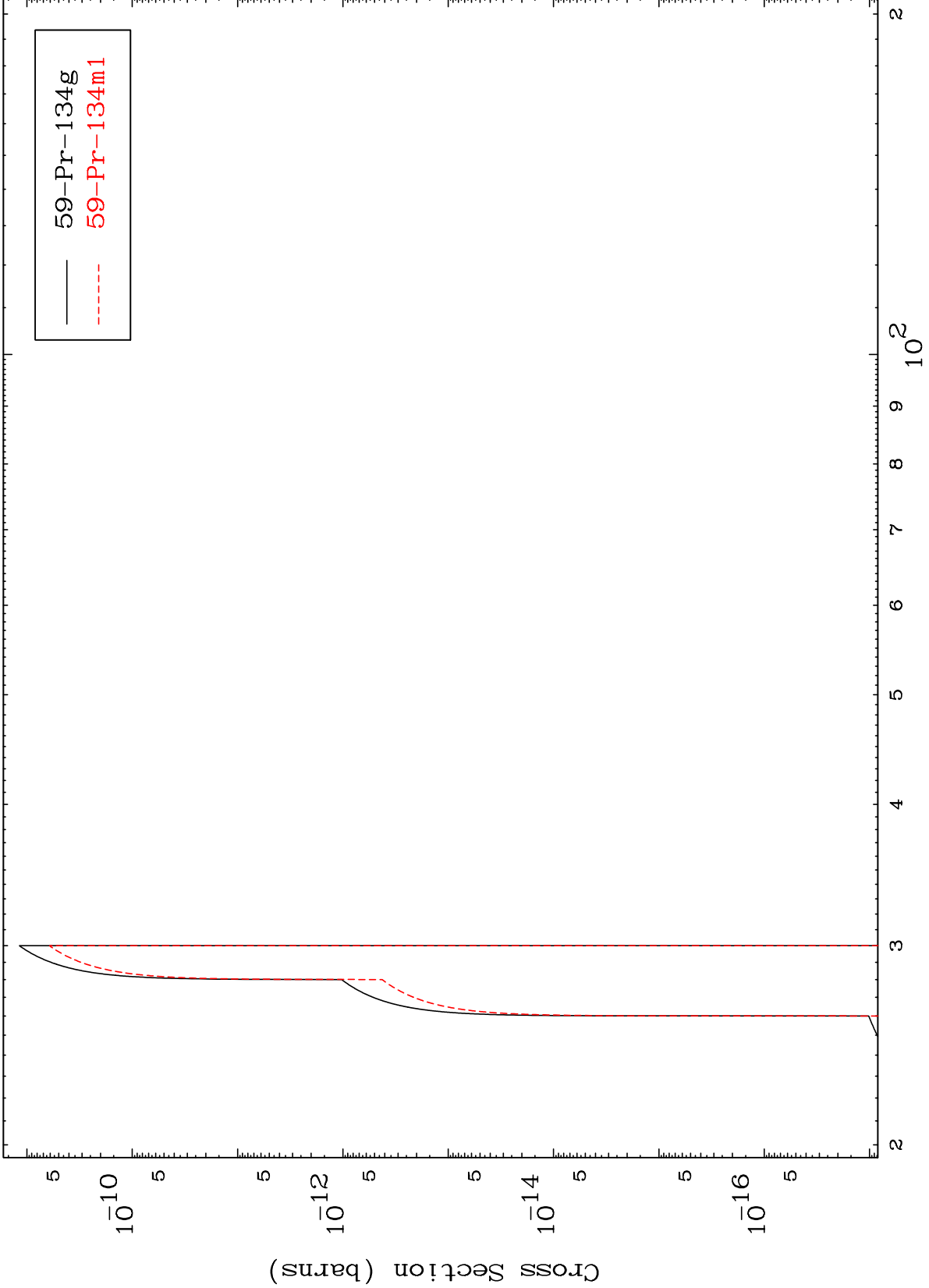
59-Pr-134m

MAT 5905

(n,p) t

59-Pr-134m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

59-Pr-134m