

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

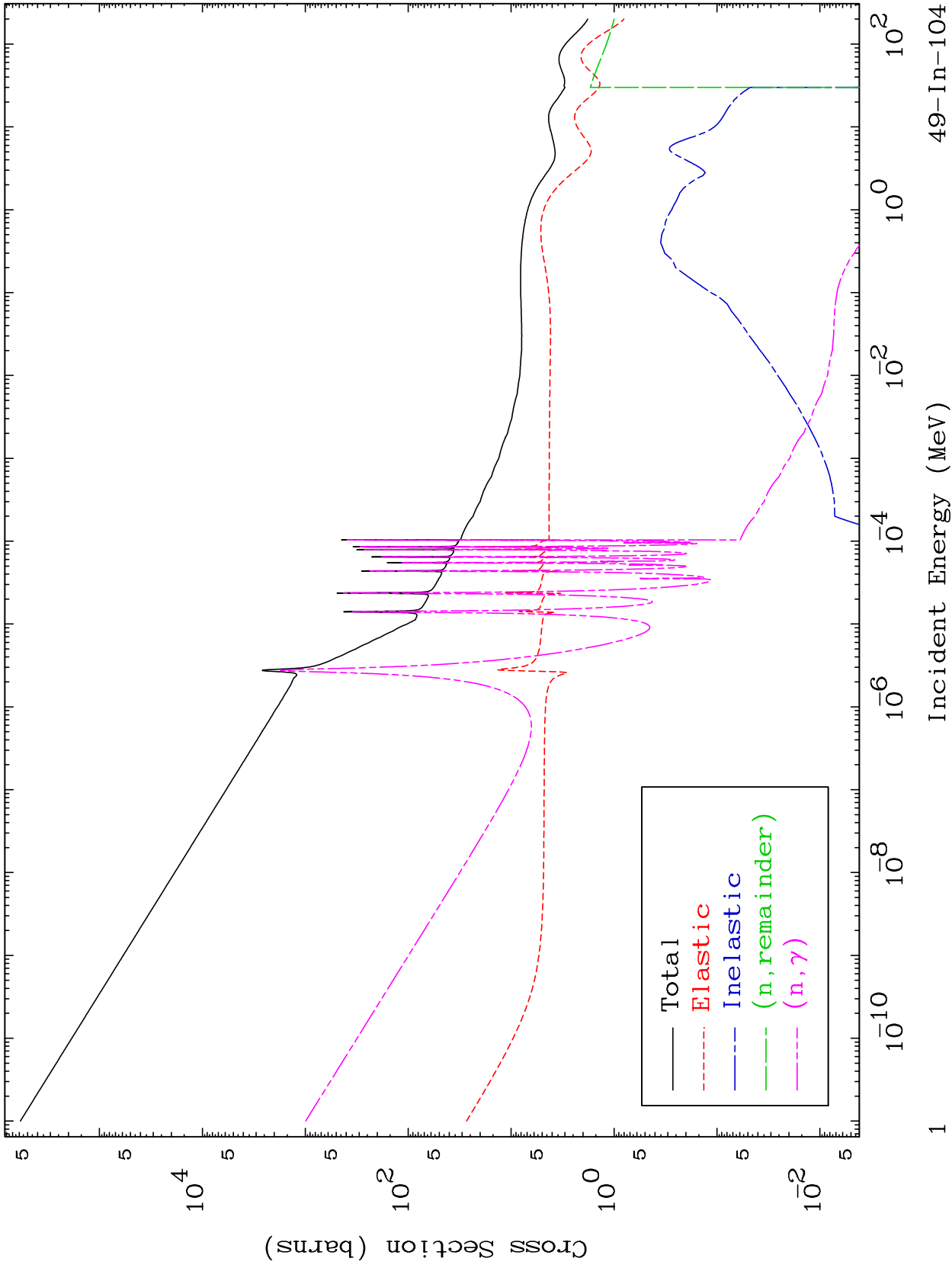
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4899

Major
293 Kelvin Cross Sections

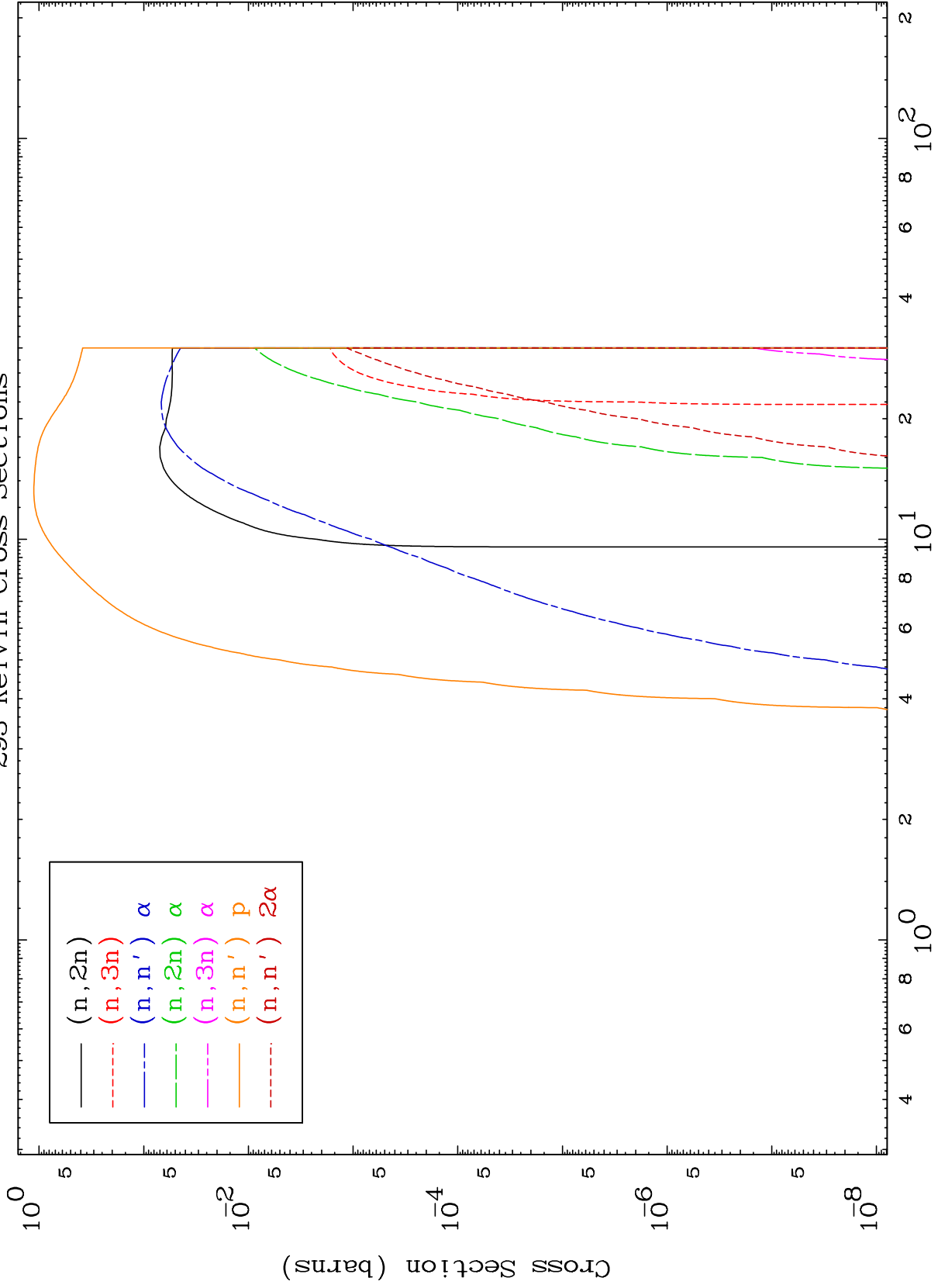
49-In-104



MAT 4899

Neutron Production
293 Kelvin Cross Sections

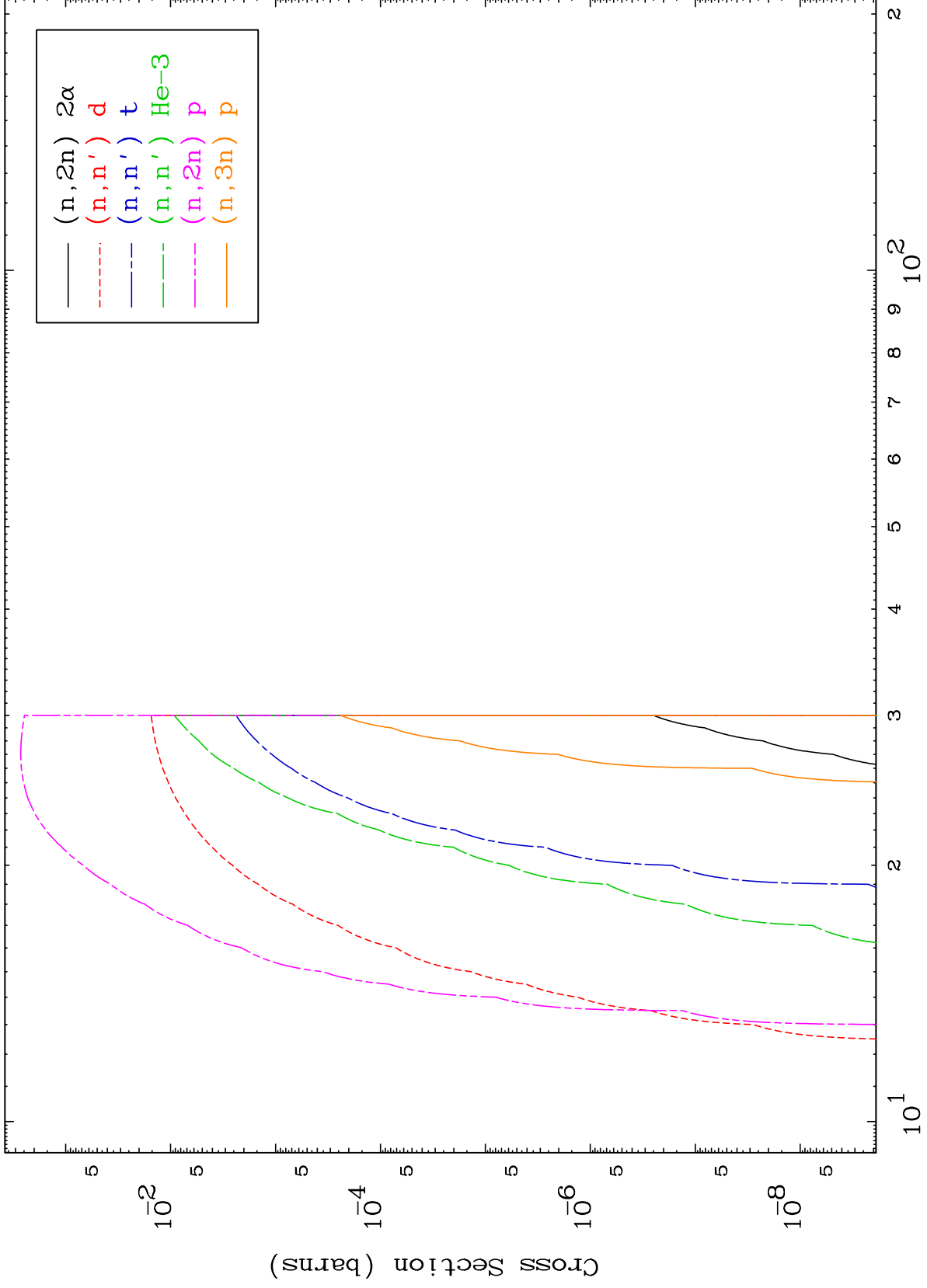
49-In-104



MAT 4899

Neutron Production
293 Kelvin Cross Sections

49-In-104



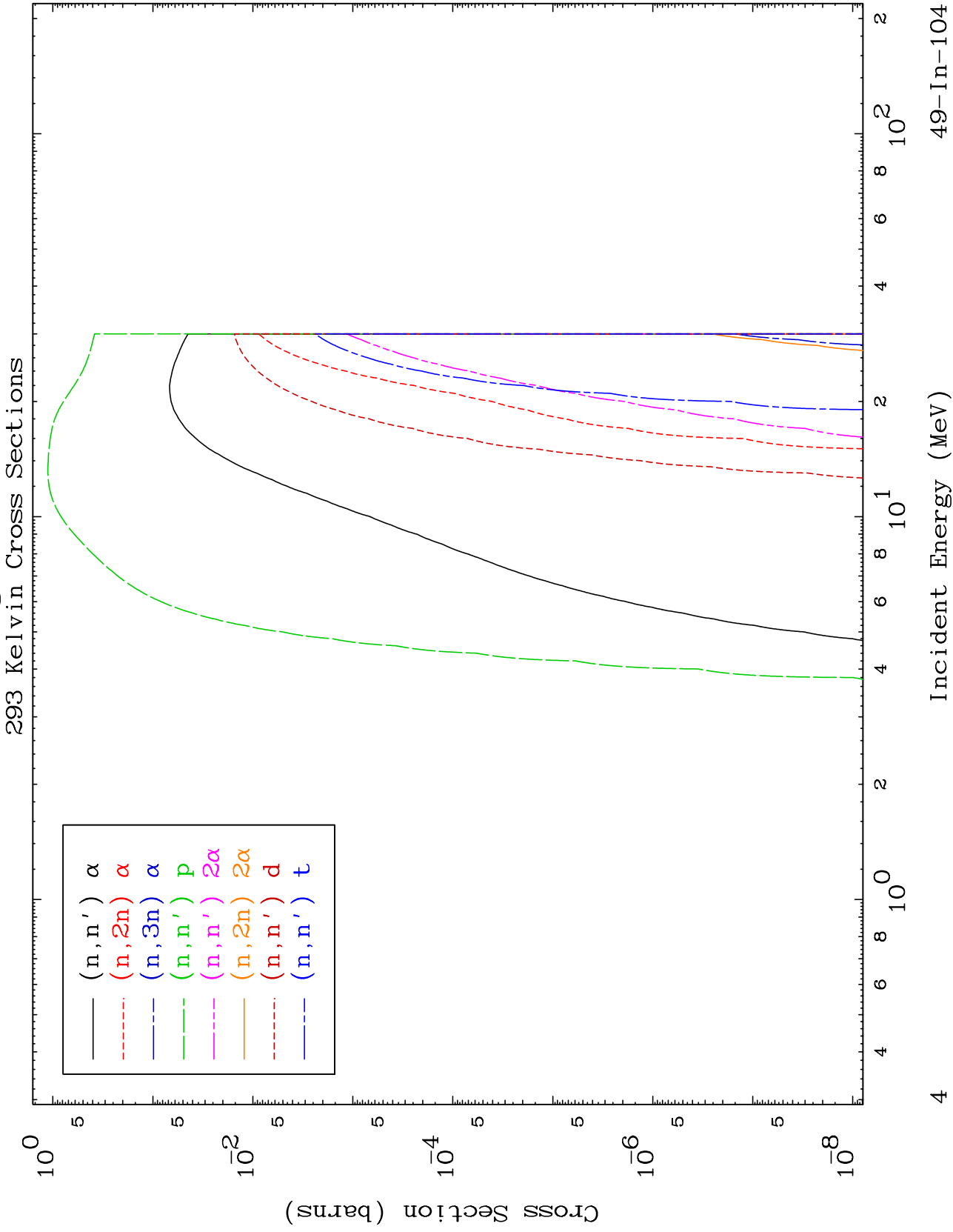
Incident Energy (MeV)

49-In-104

MAT 4899

Charged Particle

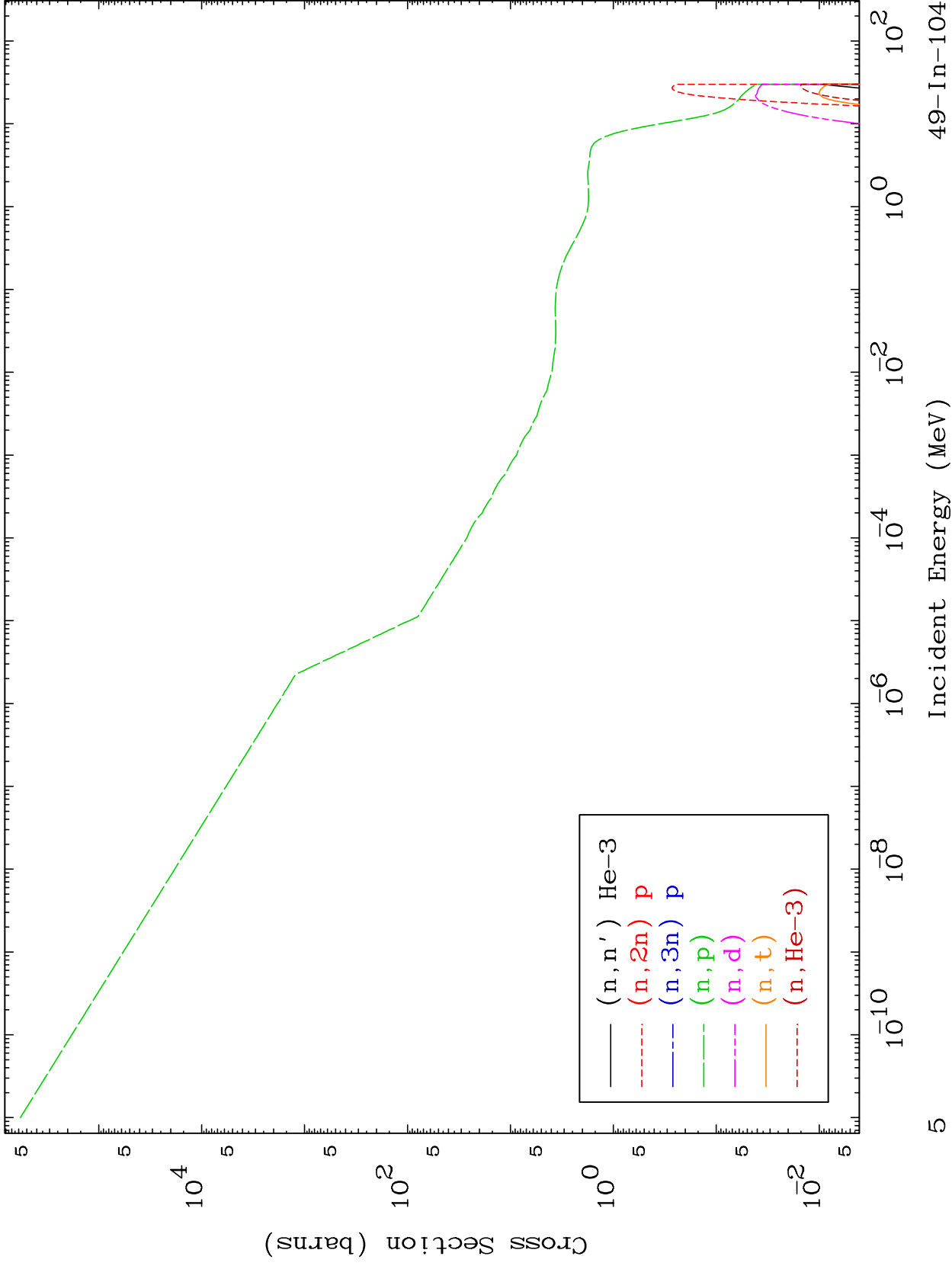
49-In-104



MAT 4899

Charged Particle
293 Kelvin Cross Sections

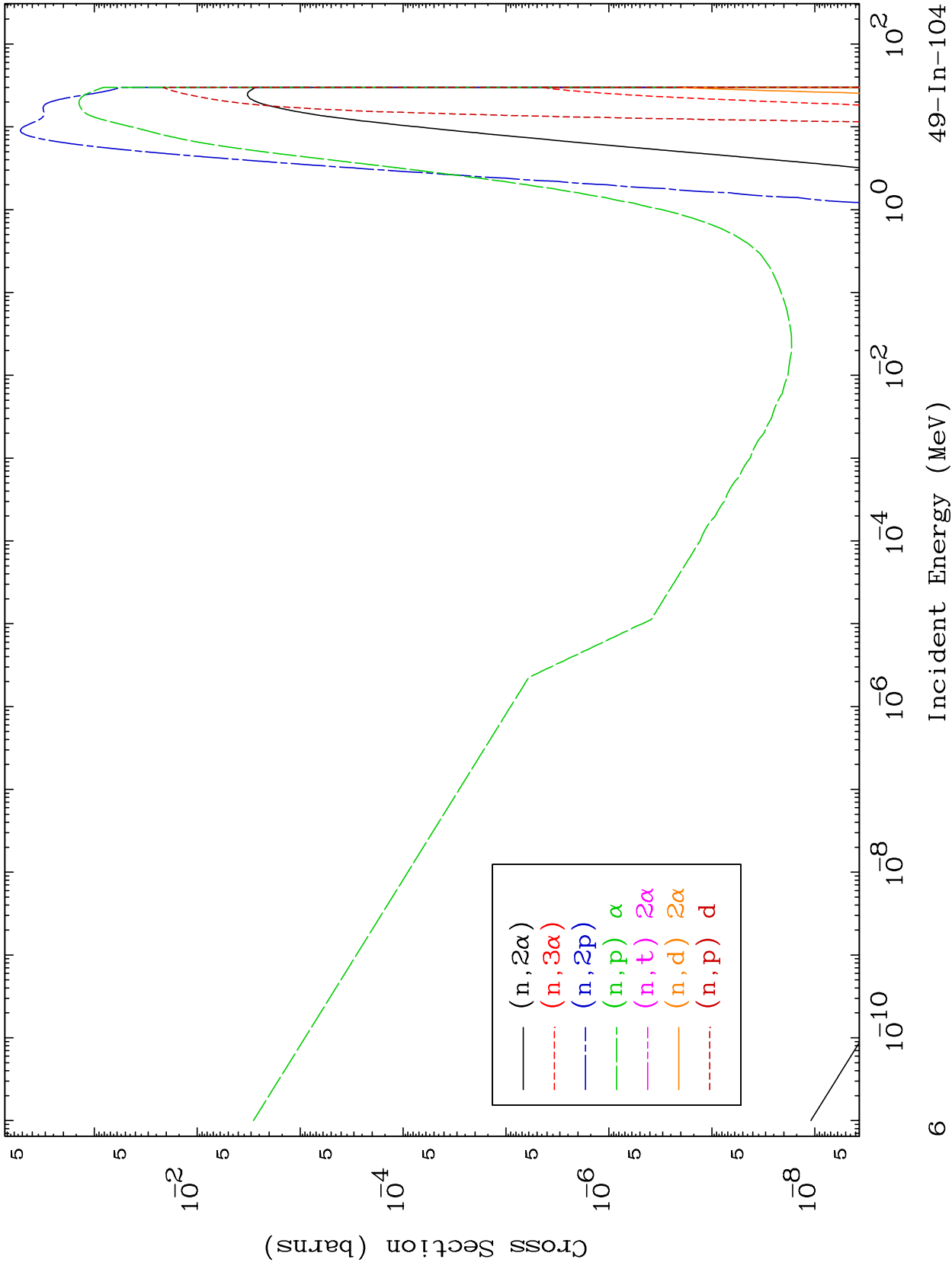
49-In-104



MAT 4899

Charged Particle
293 Kelvin Cross Sections

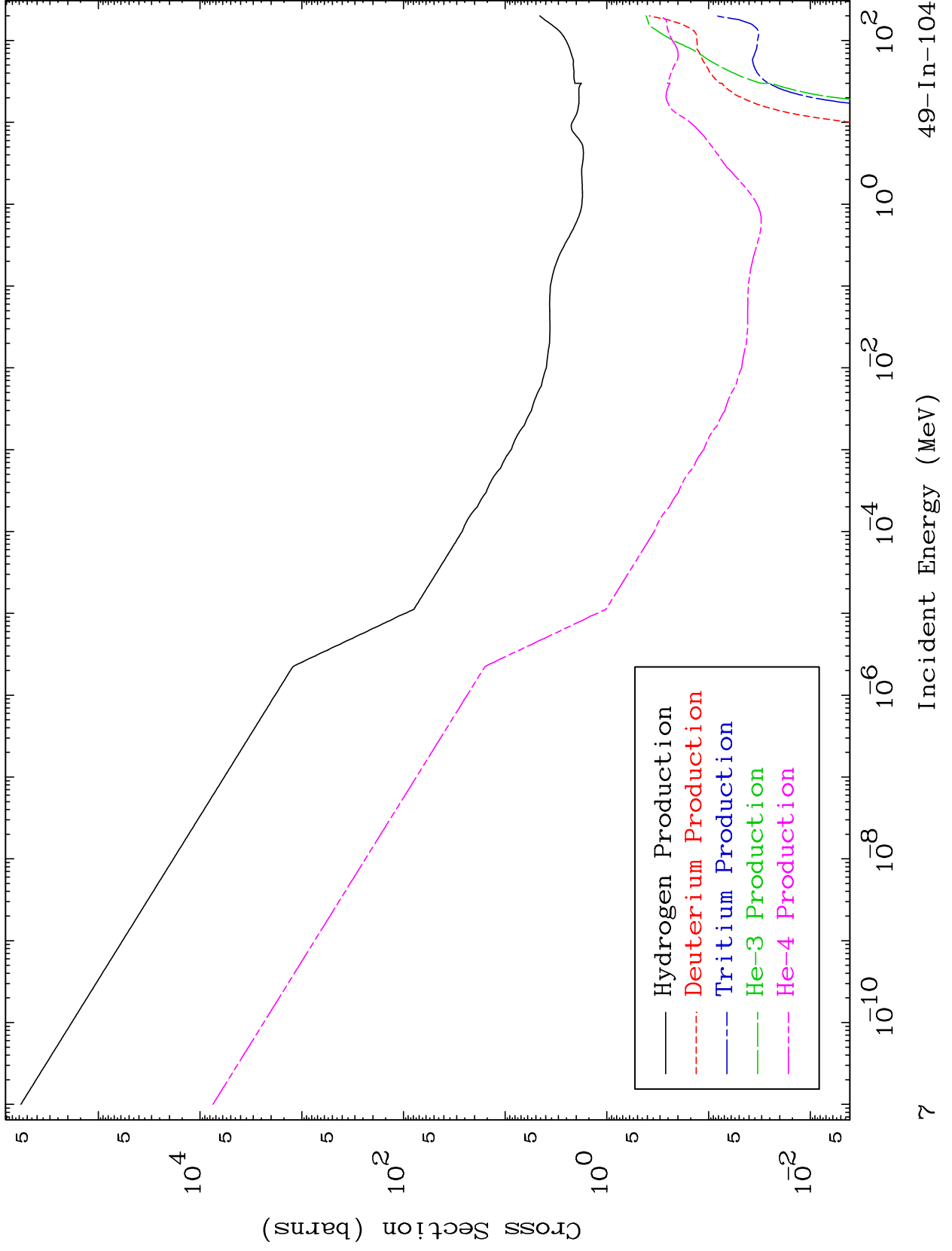
49-In-104



MAT 4899

Particle Production
293 Kelvin Cross Sections

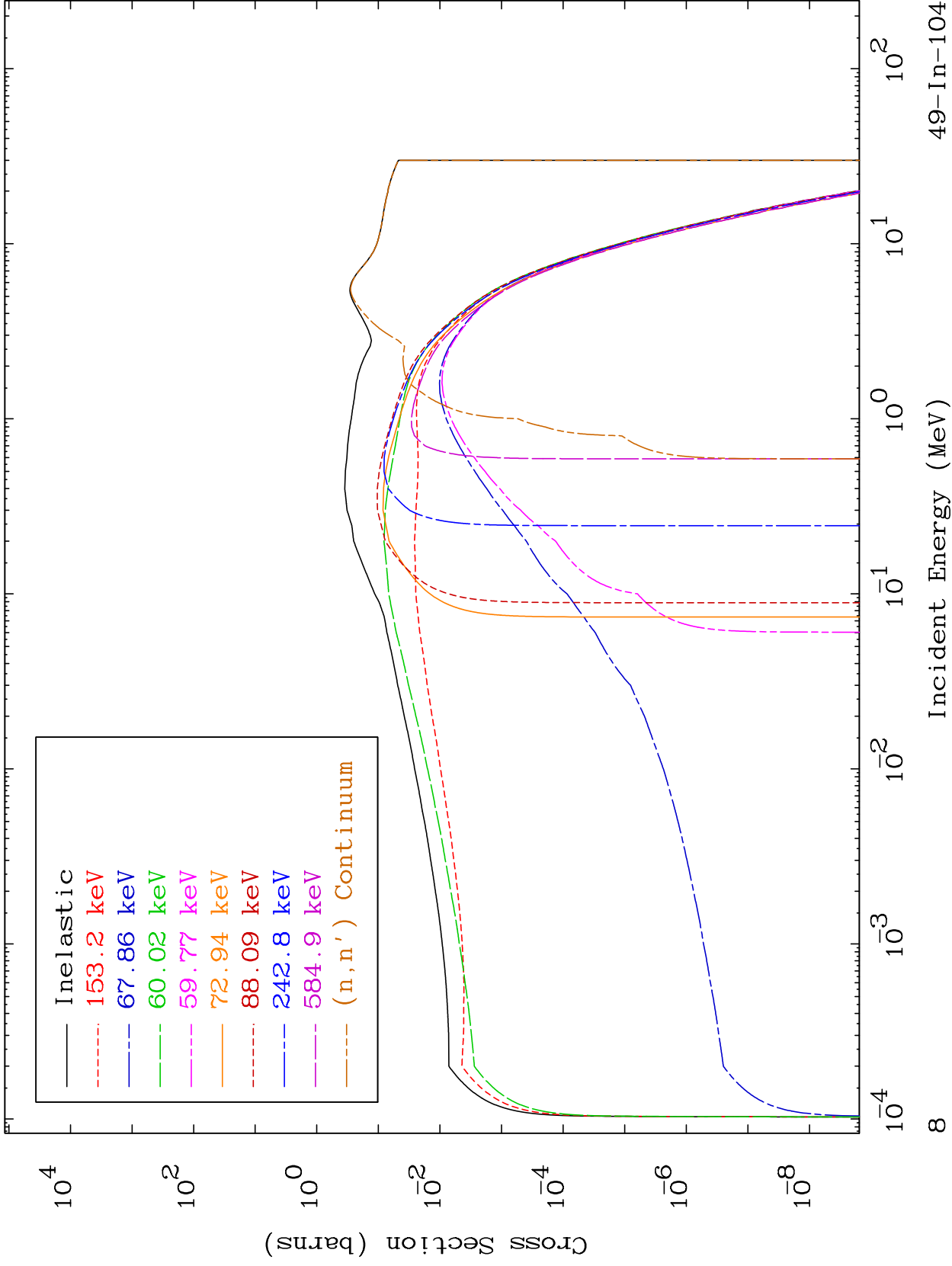
49-In-104



MAT 4899

(n,n') Level
293 Kelvin Cross Sections

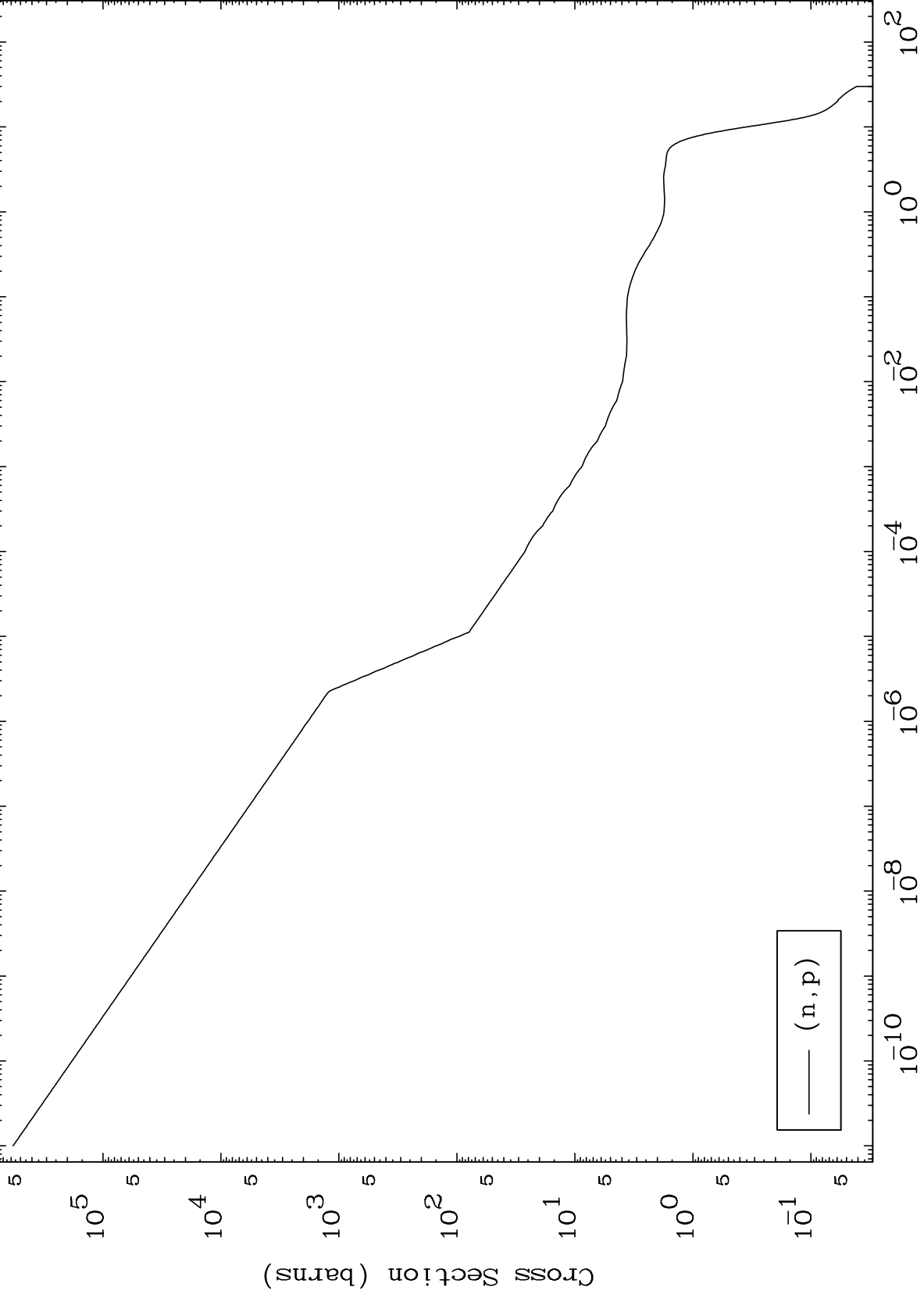
49-In-104



MAT 4899

(n,p) Levels
293 Kelvin Cross Sections

49-In-104

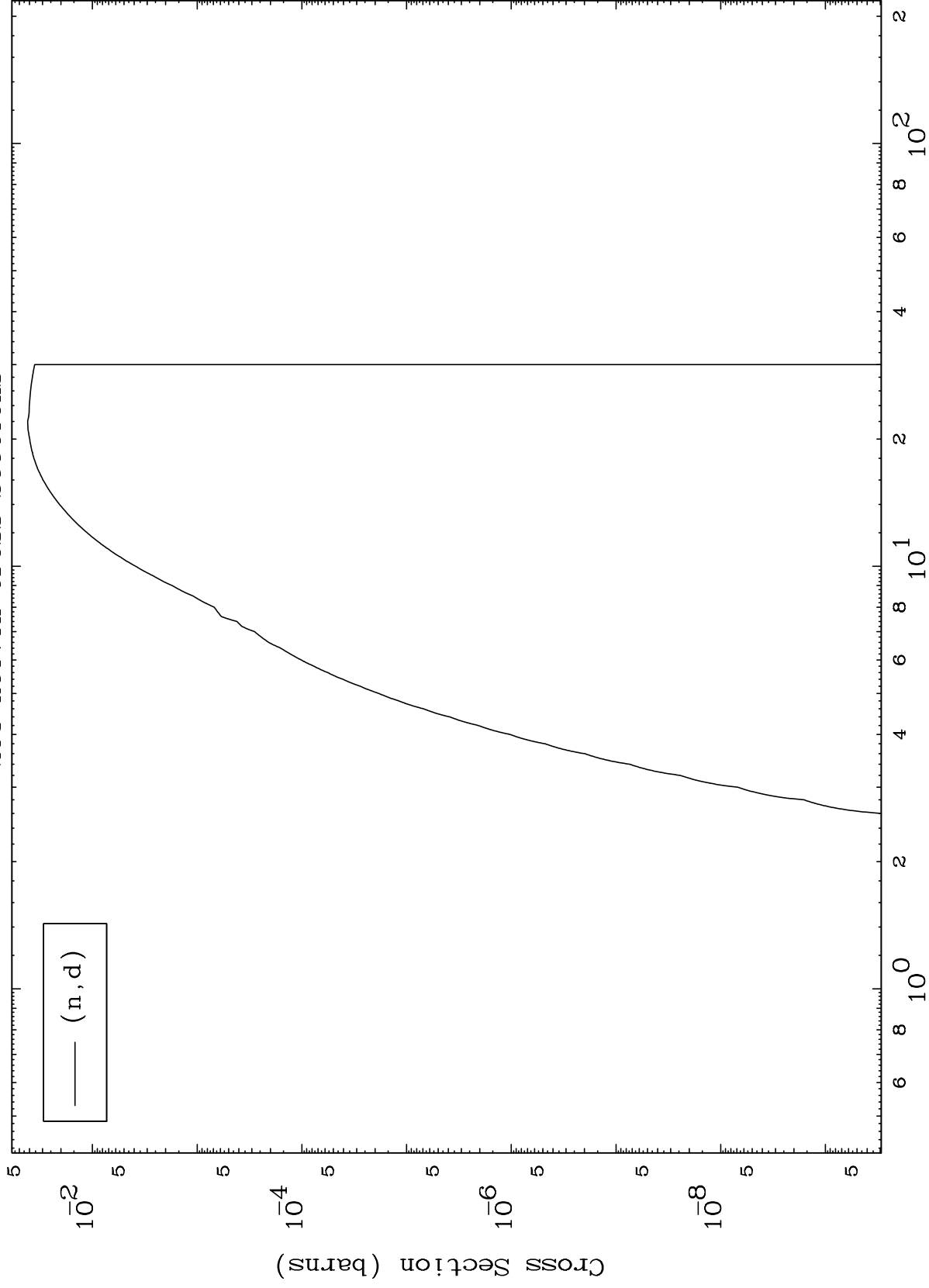


(n,p)

MAT 4899

(n,d) Levels
293 Kelvin Cross Sections

49-In-104



10

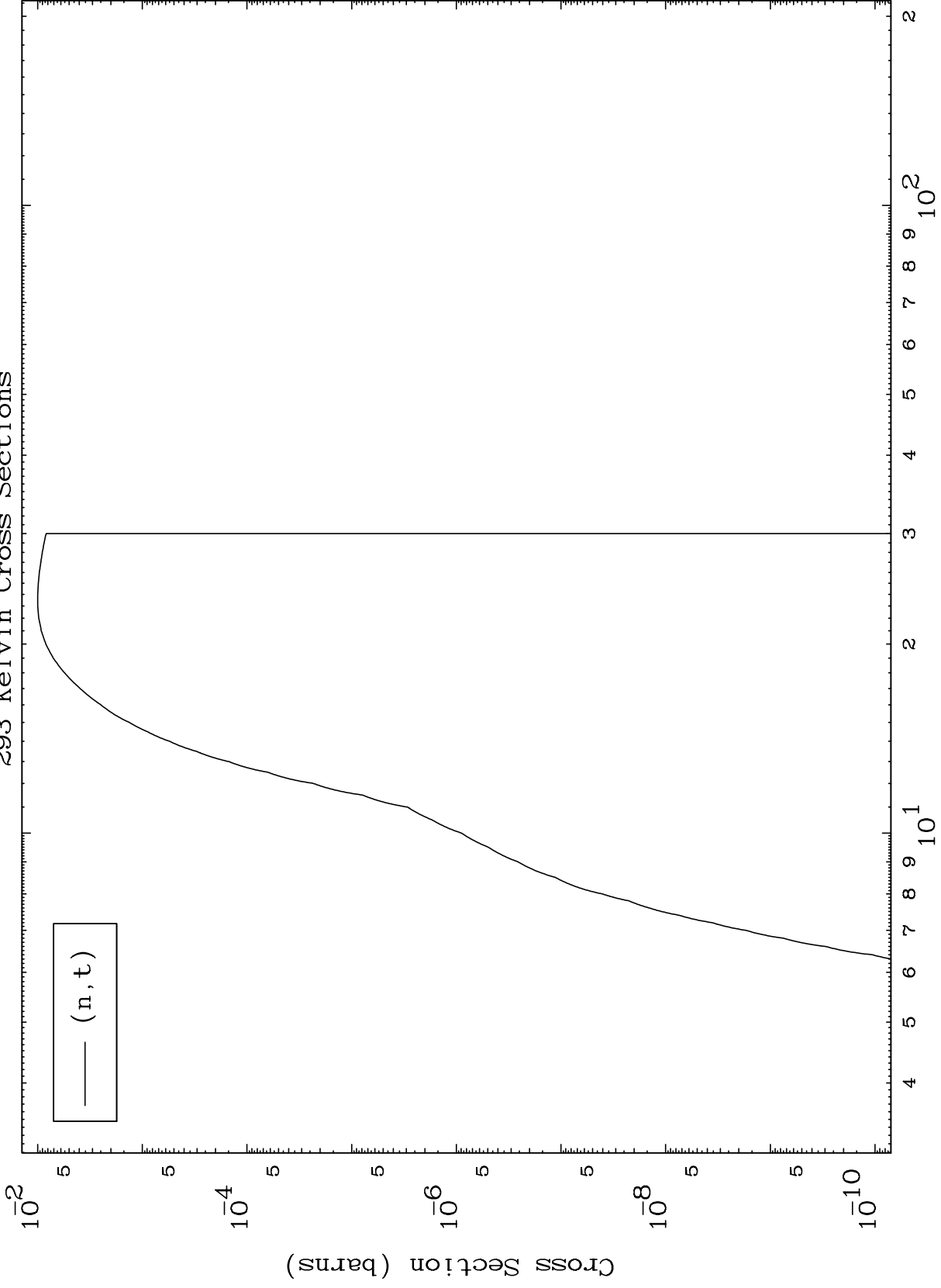
Incident Energy (MeV)

49-In-104

MAT 4899

(n,t) Levels
293 Kelvin Cross Sections

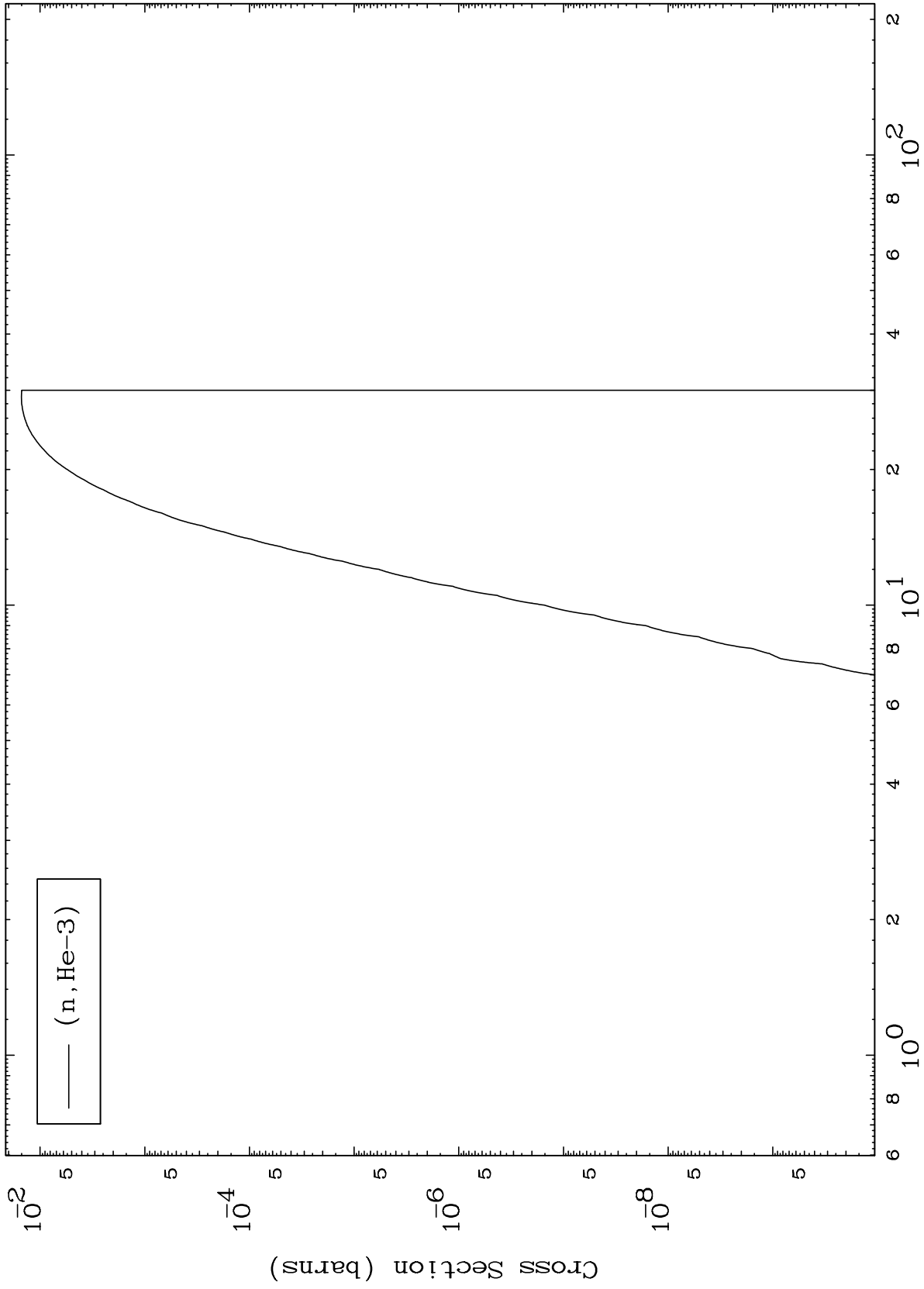
49-In-104



MAT 4899

(n,He3) Levels
293 Kelvin Cross Sections

49-In-104



12

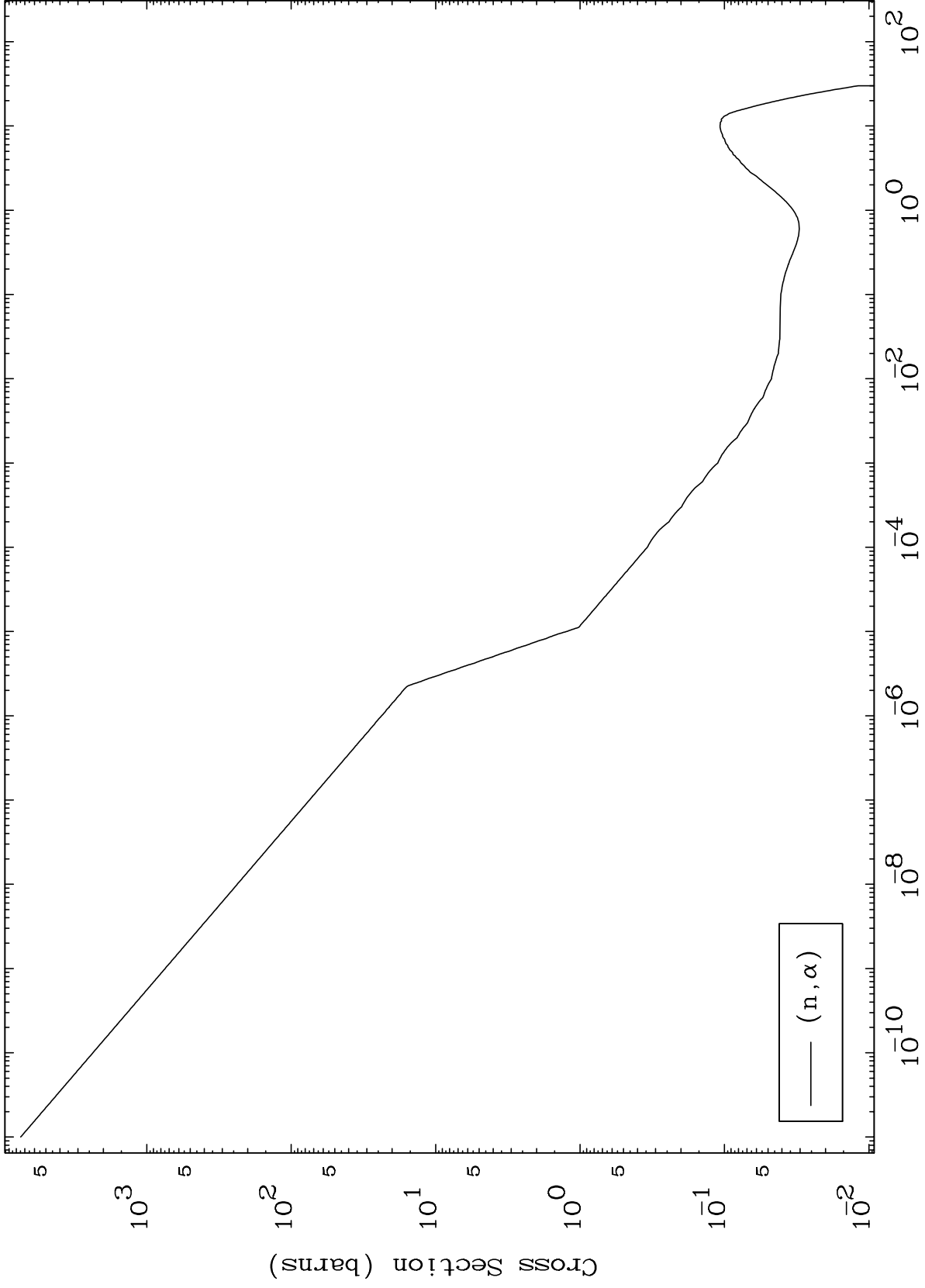
Incident Energy (MeV)

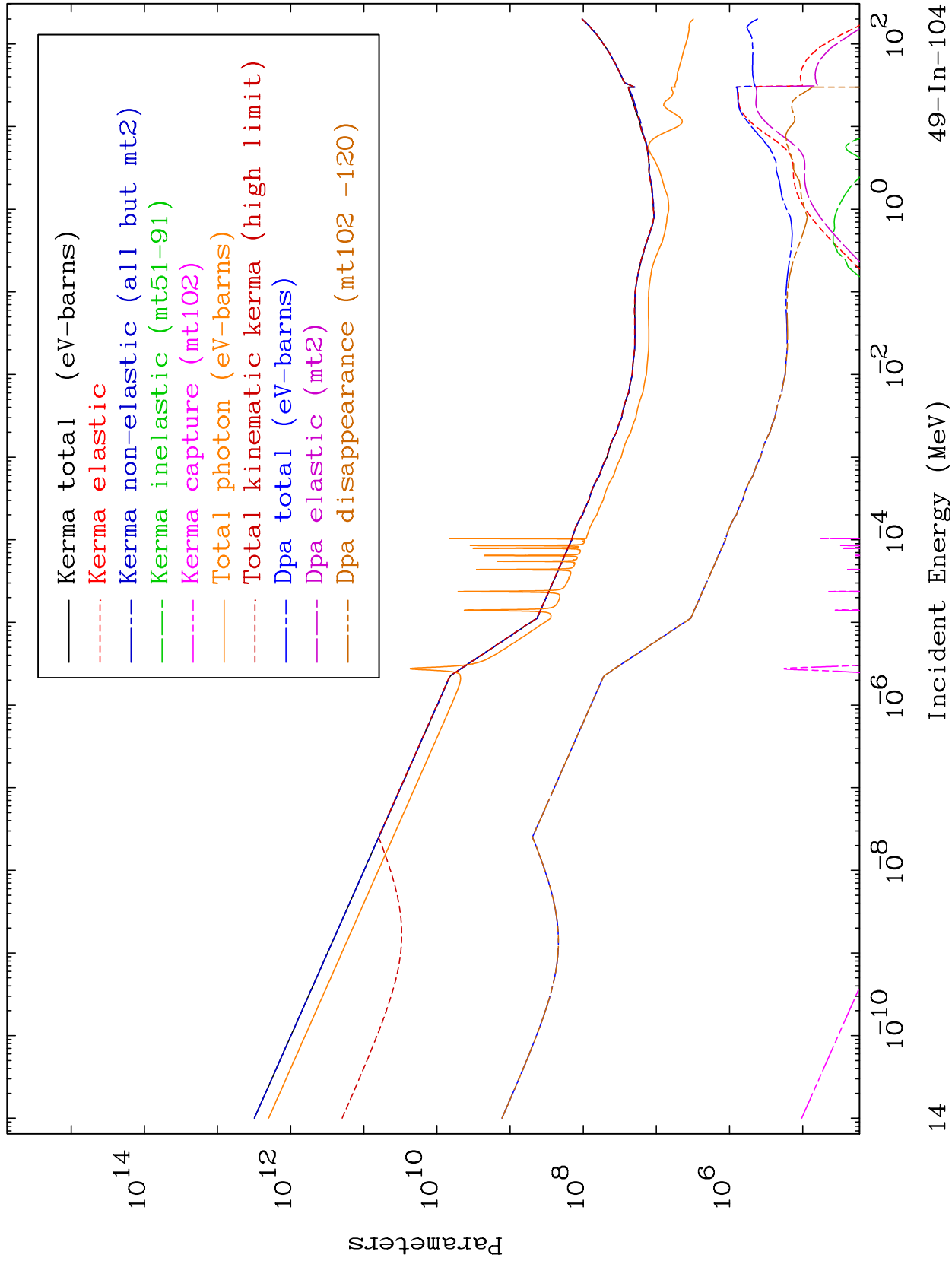
49-In-104

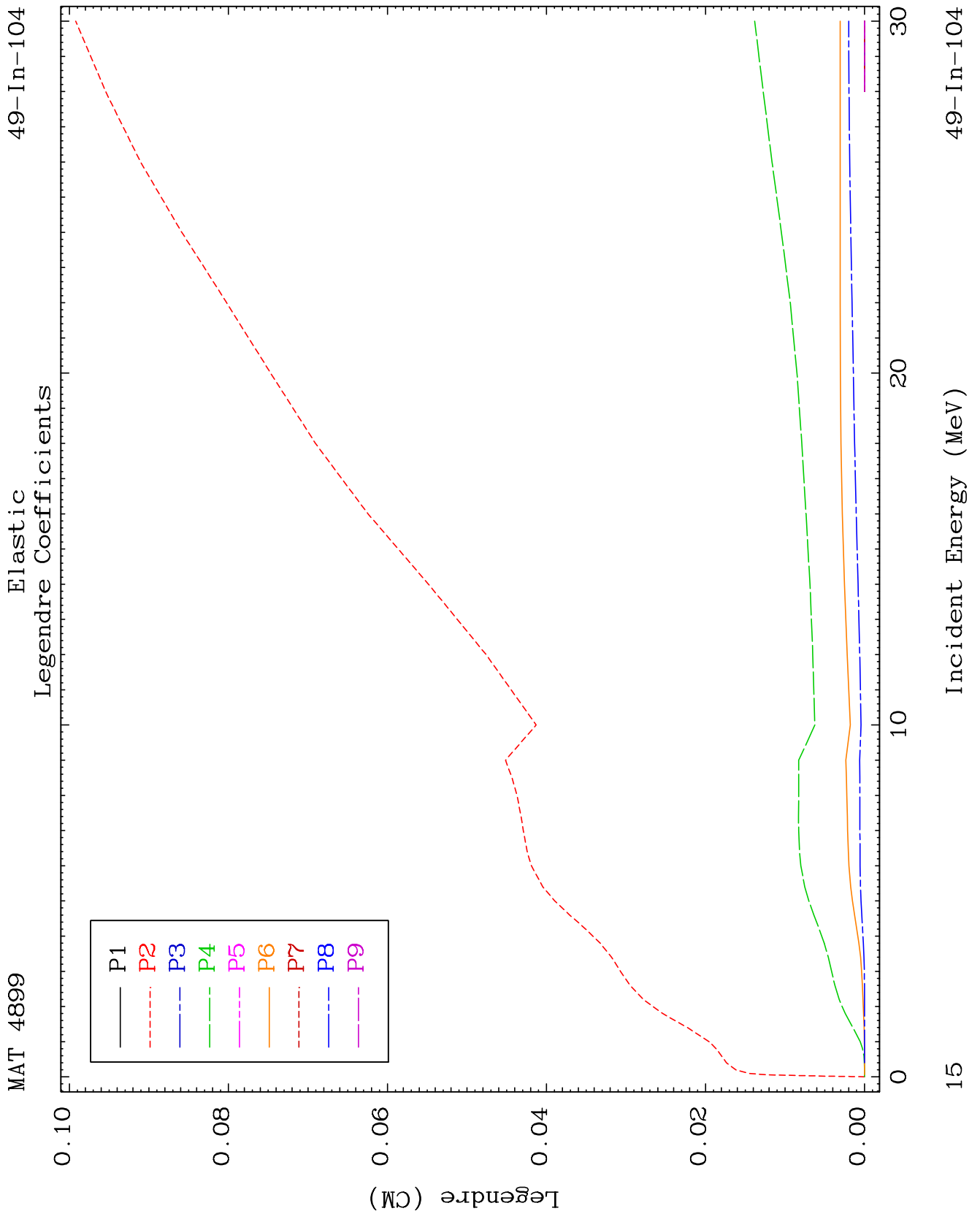
MAT 4899

(n,α) Levels
293 Kelvin Cross Sections

49-In-104



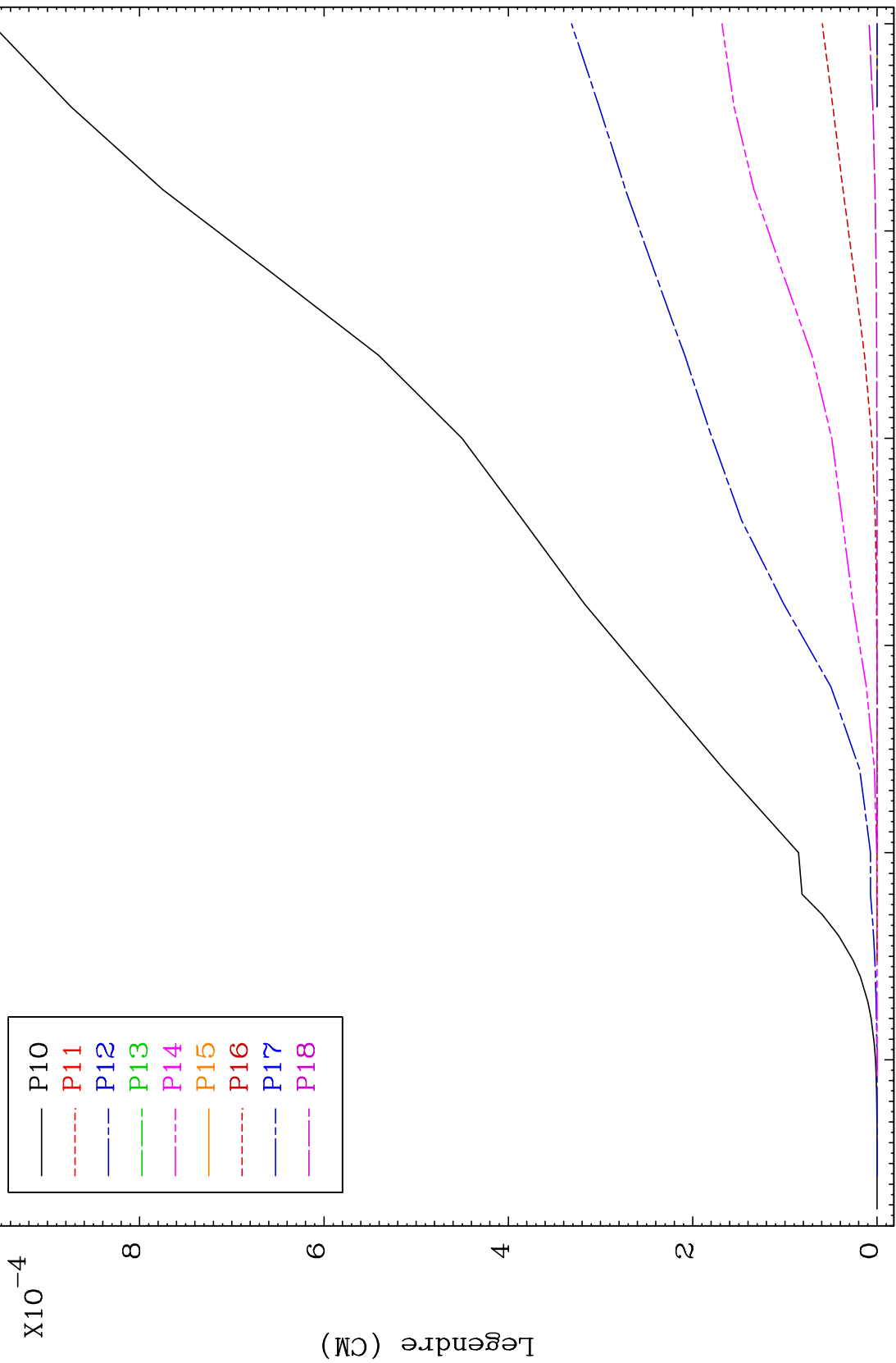
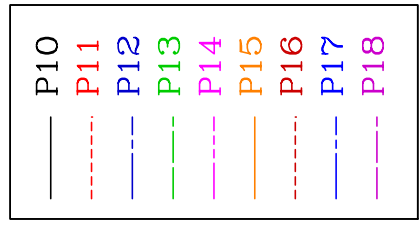




MAT 4899

Elastic Legendre Coefficients

49-In-104



16

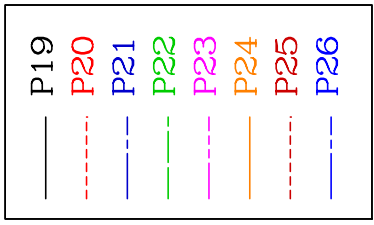
Incident Energy (MeV)

49-In-104

MAT 4899

Elastic Legendre Coefficients

49-In-104



$\times 10^{-7}$

Legendre (CM)

4

3

2

1

0

15

20

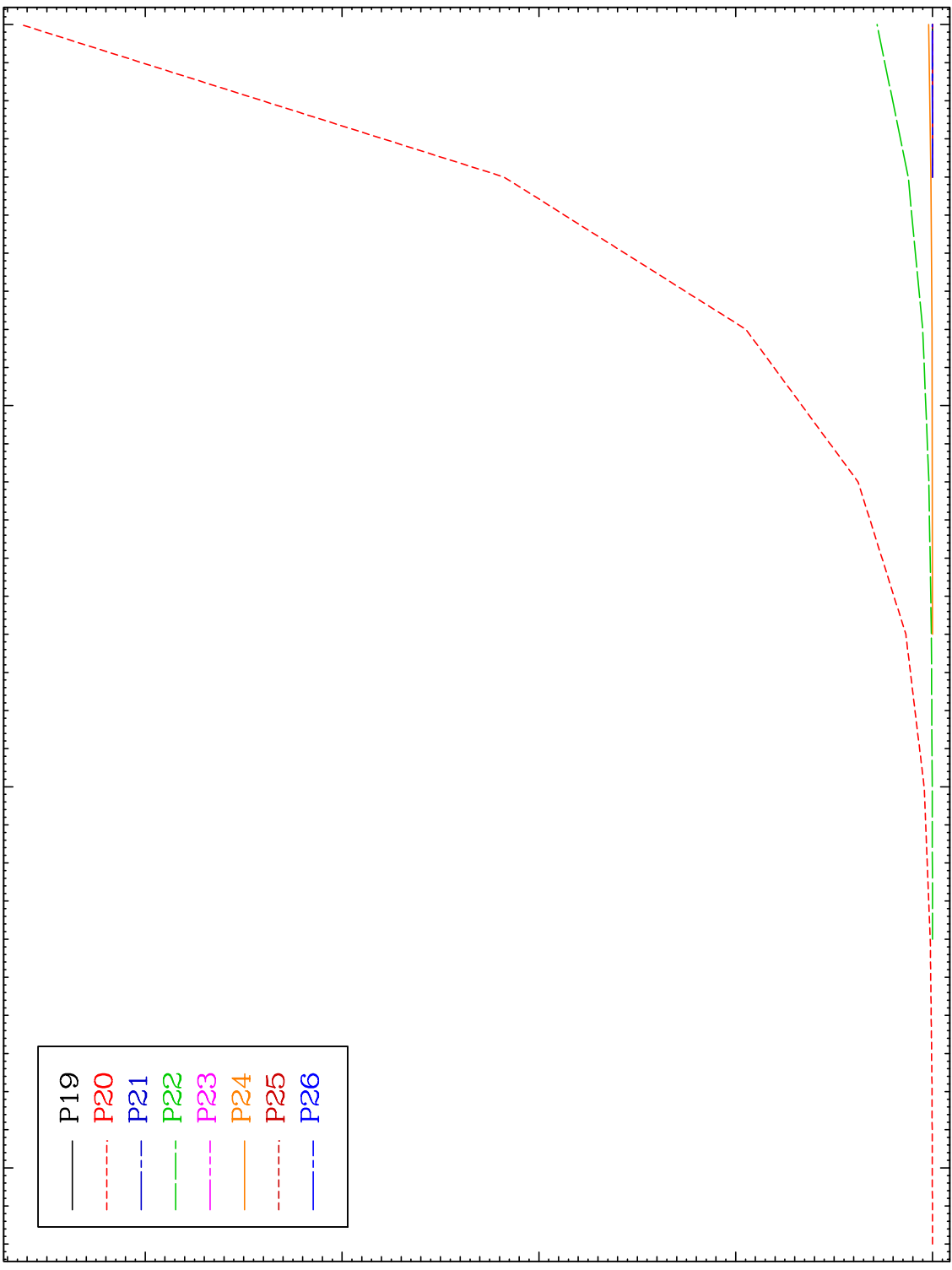
25

30

17

Incident Energy (MeV)

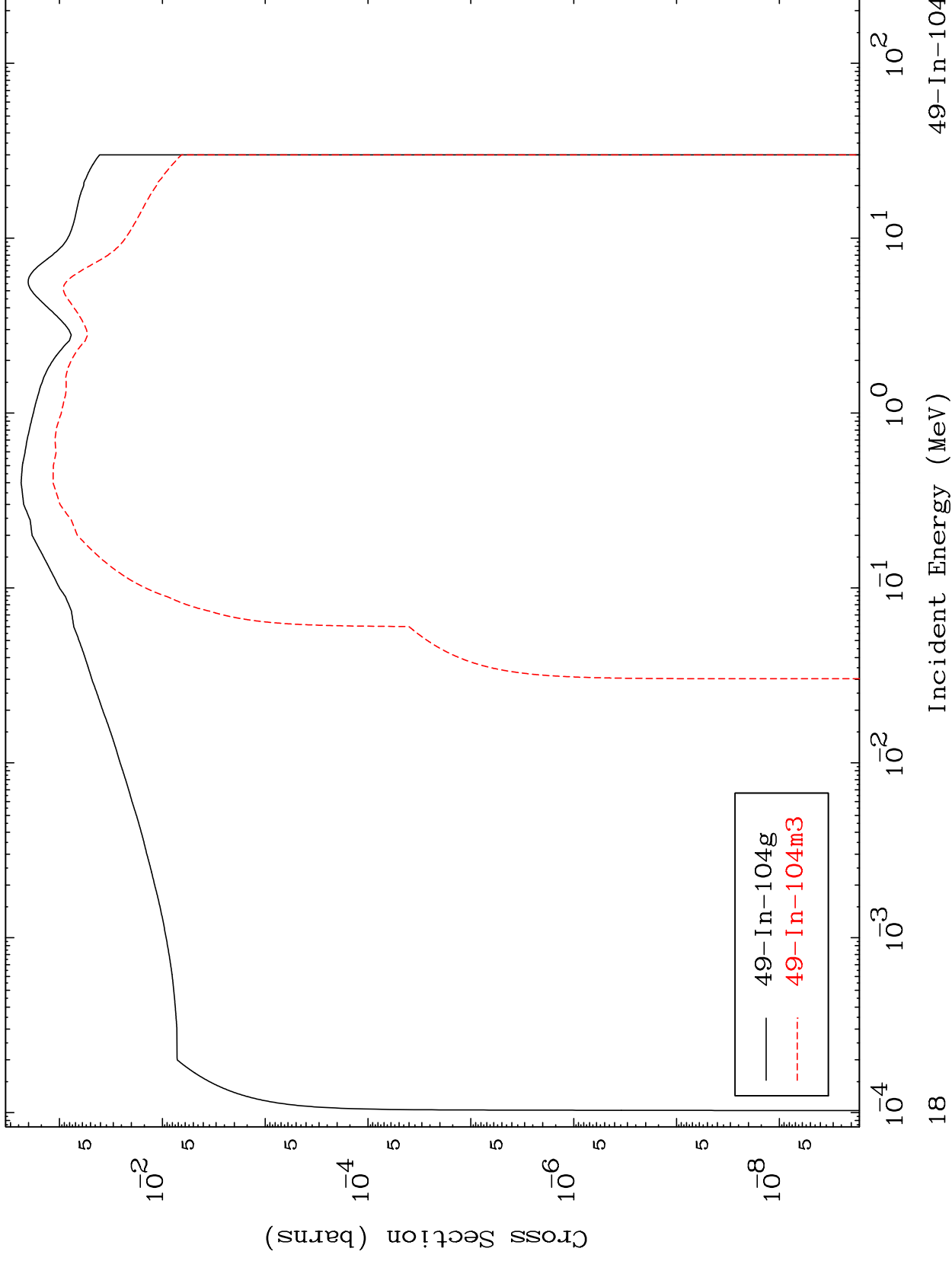
49-In-104



MAT 4899

49-In-104

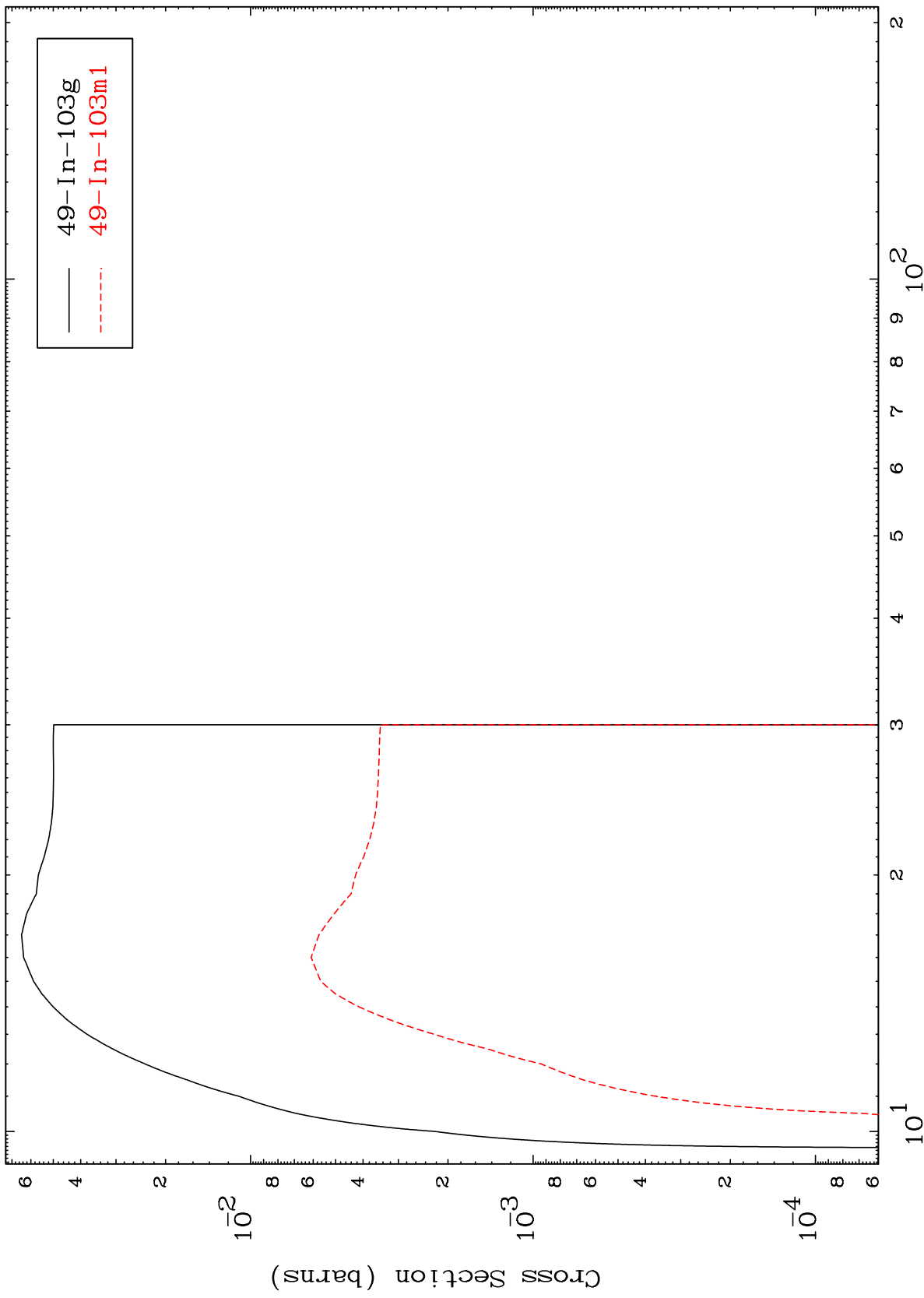
Inelastic Radionuclide Production Cross Section



MAT 4899

49-In-104

(n,2n)
Radionuclide Production Cross Section



49-In-104

Incident Energy (MeV)

10¹

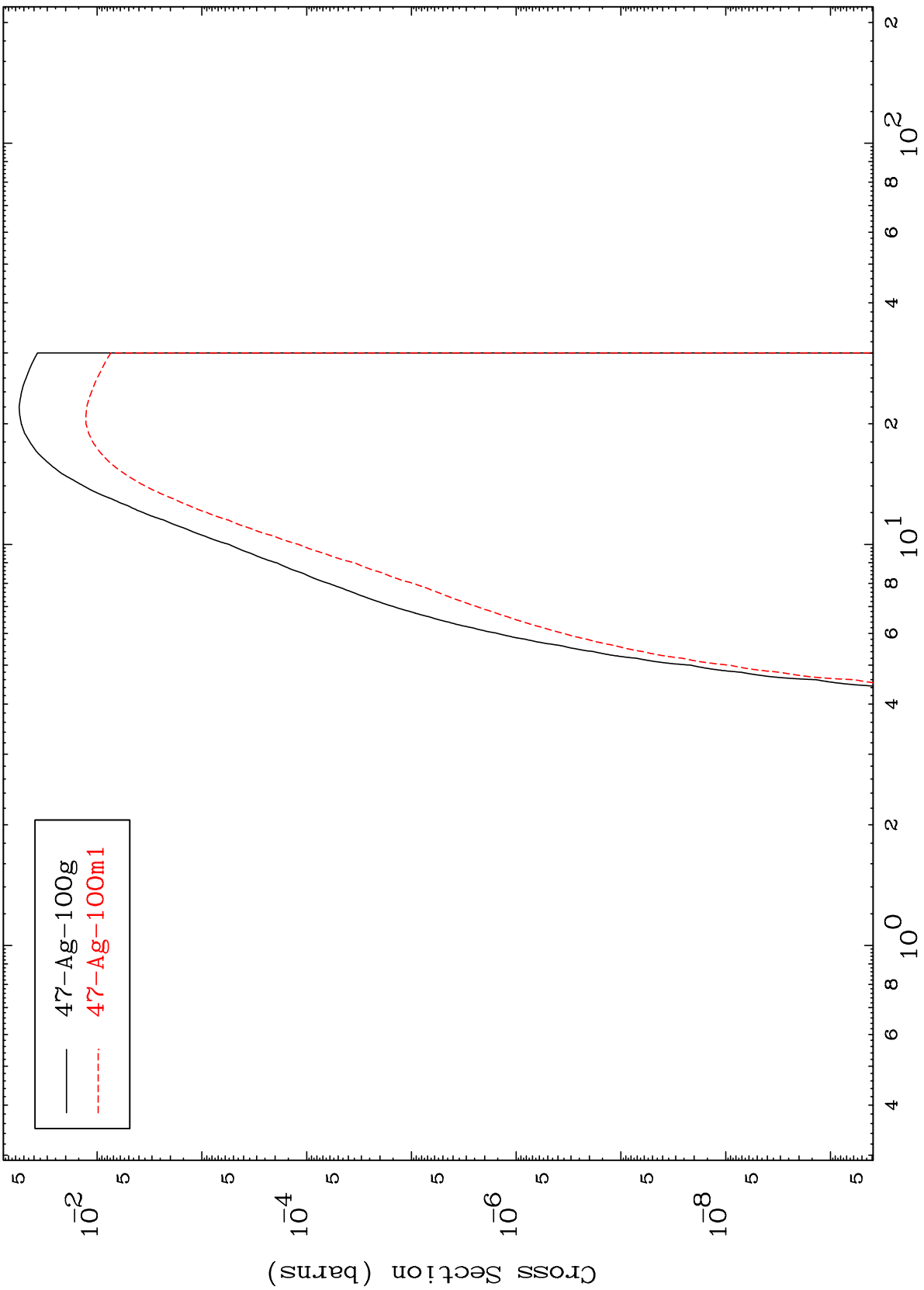
10²

MAT 4899

(n,n') α

49-In-104

Radionuclide Production Cross Section



20

Incident Energy (MeV)

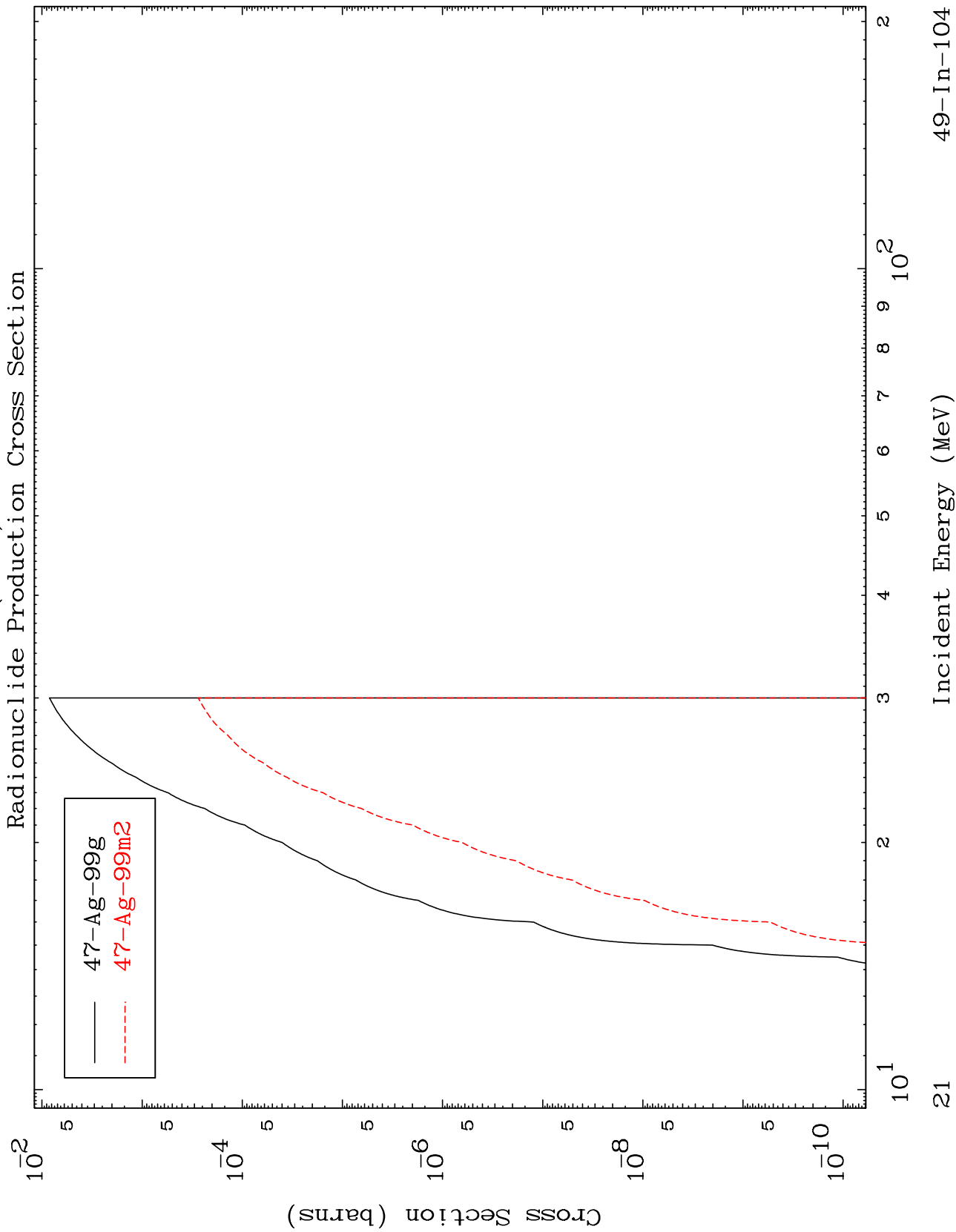
49-In-104

MAT 4899

(n,2n) α

49-In-104

Radionuclide Production Cross Section



21

Incident Energy (MeV)

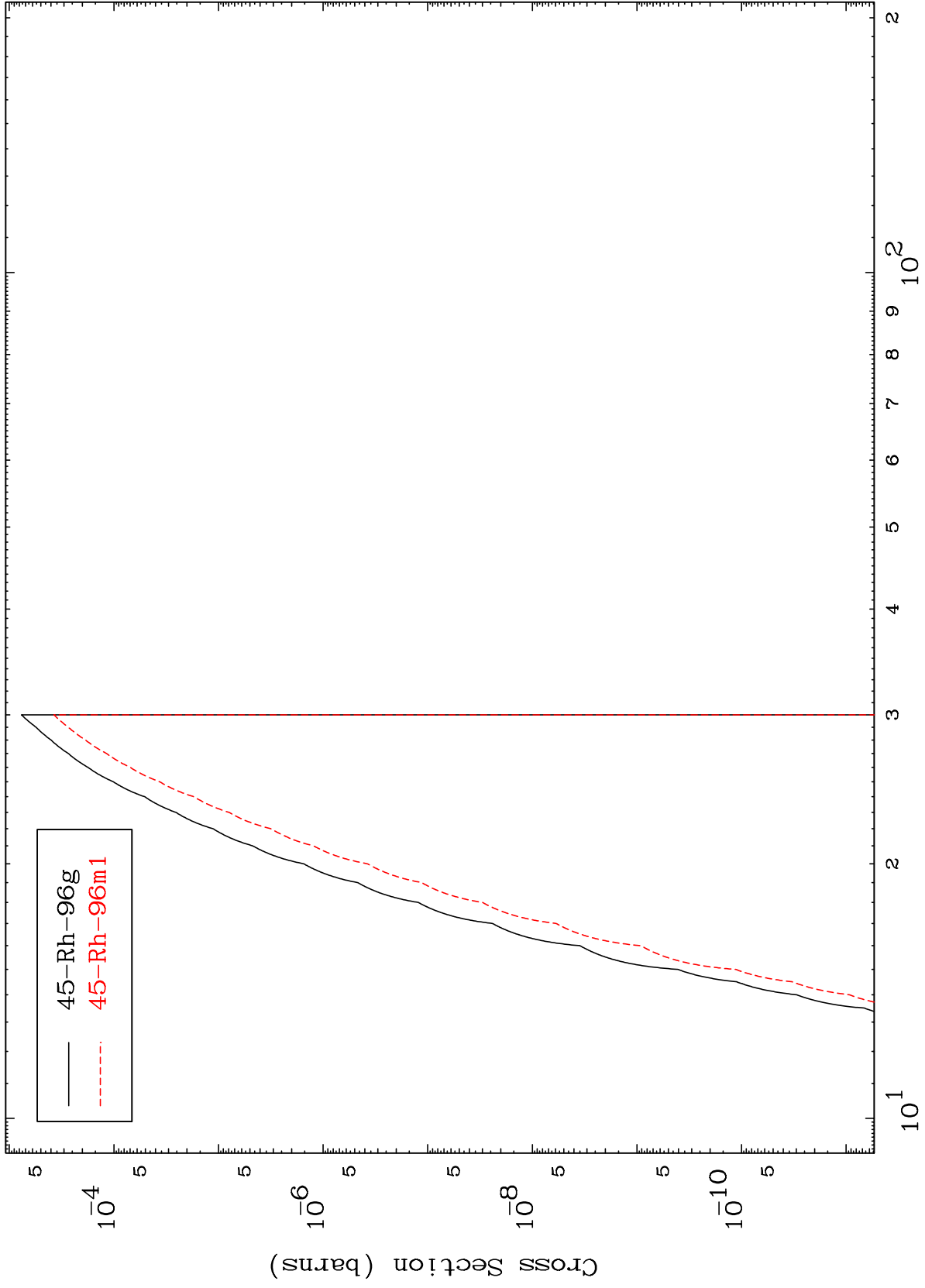
49-In-104

MAT 4899

(n,n') 2α

49-In-104

Radionuclide Production Cross Section



— 45-Rh-96g
- - - 45-Rh-96m1

22

Incident Energy (MeV)

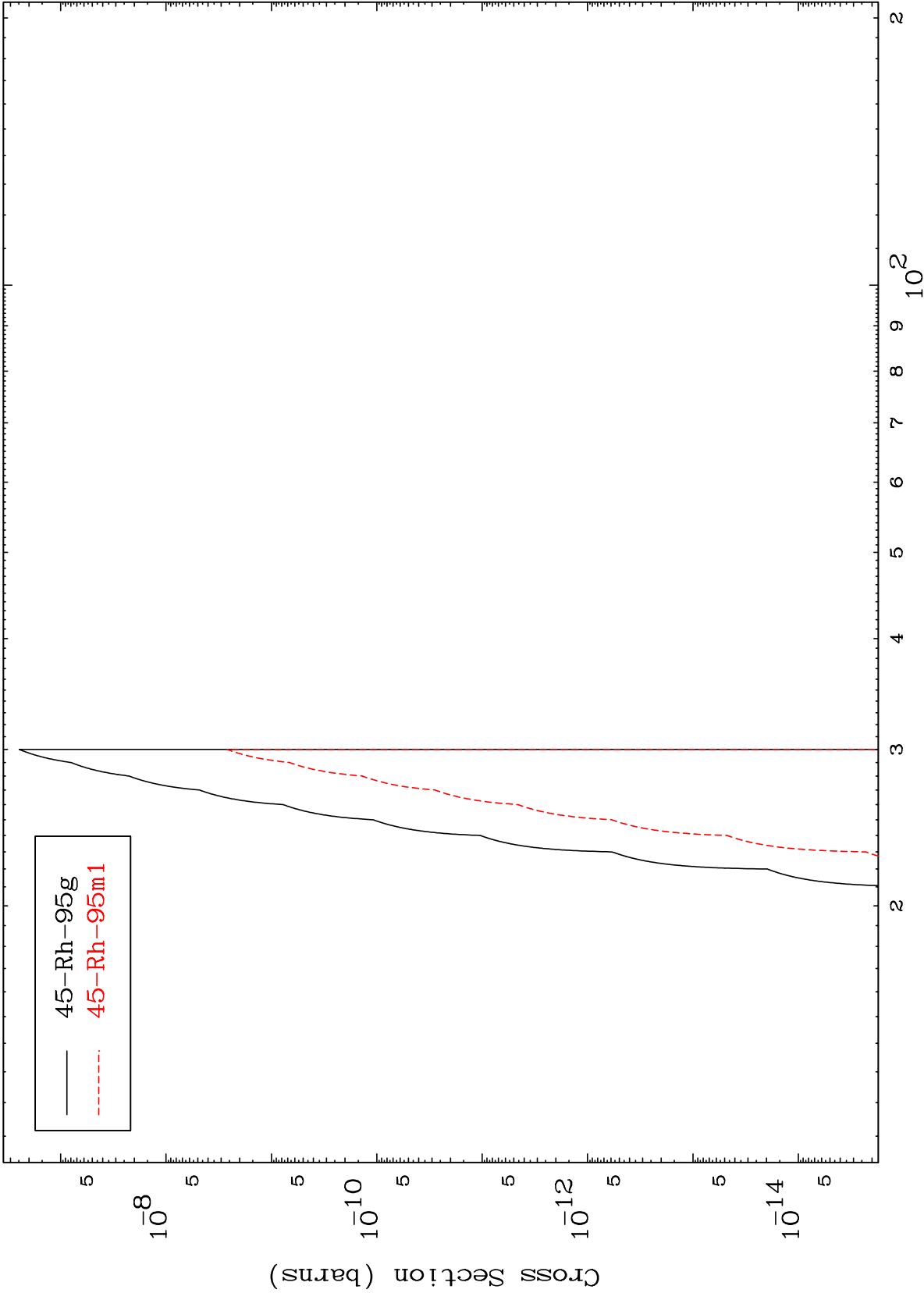
49-In-104

MAT 4899

(n,2n) 2 α

49-In-104

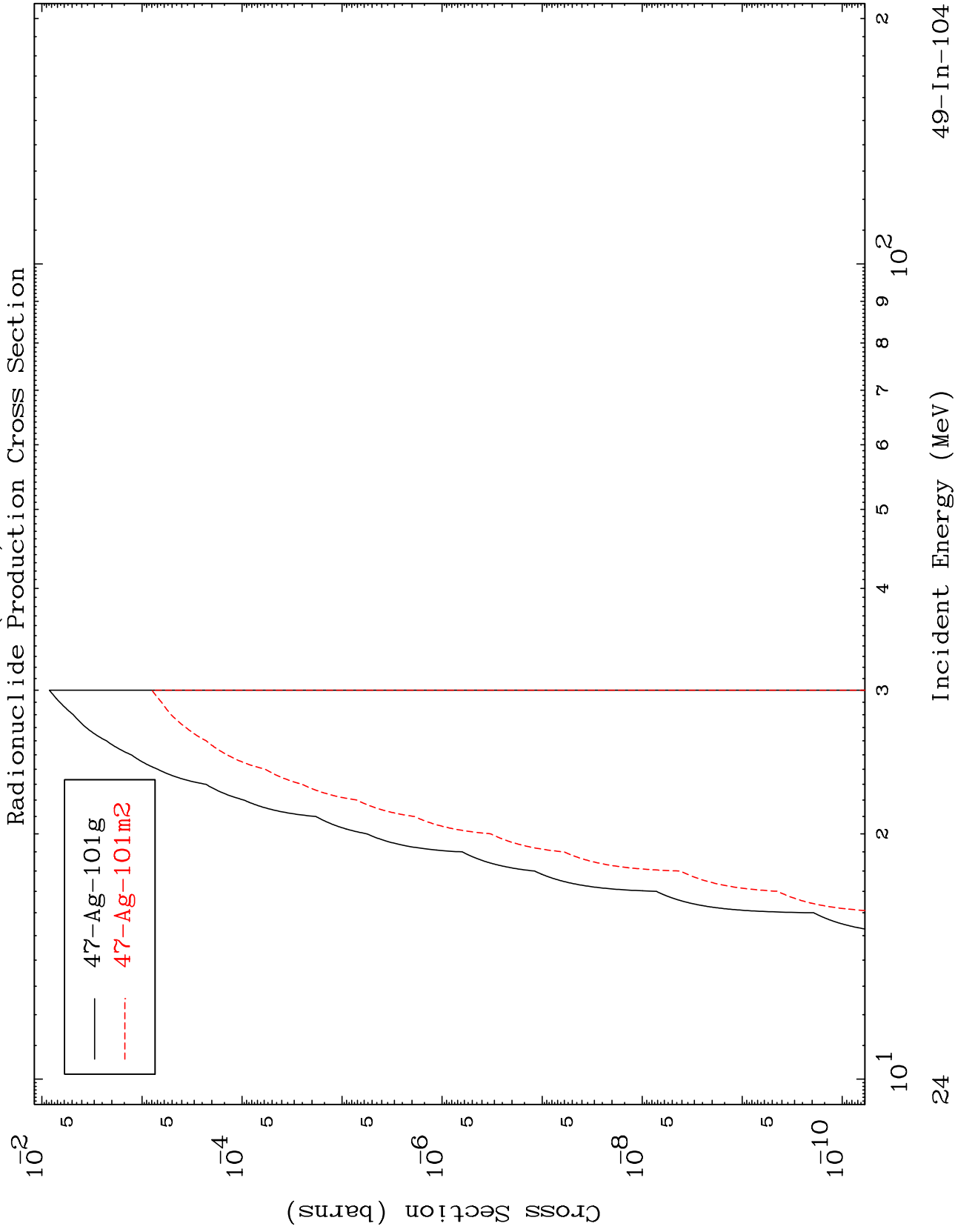
Radionuclide Production Cross Section



MAT 4899

(n,n') He-3

49-In-104

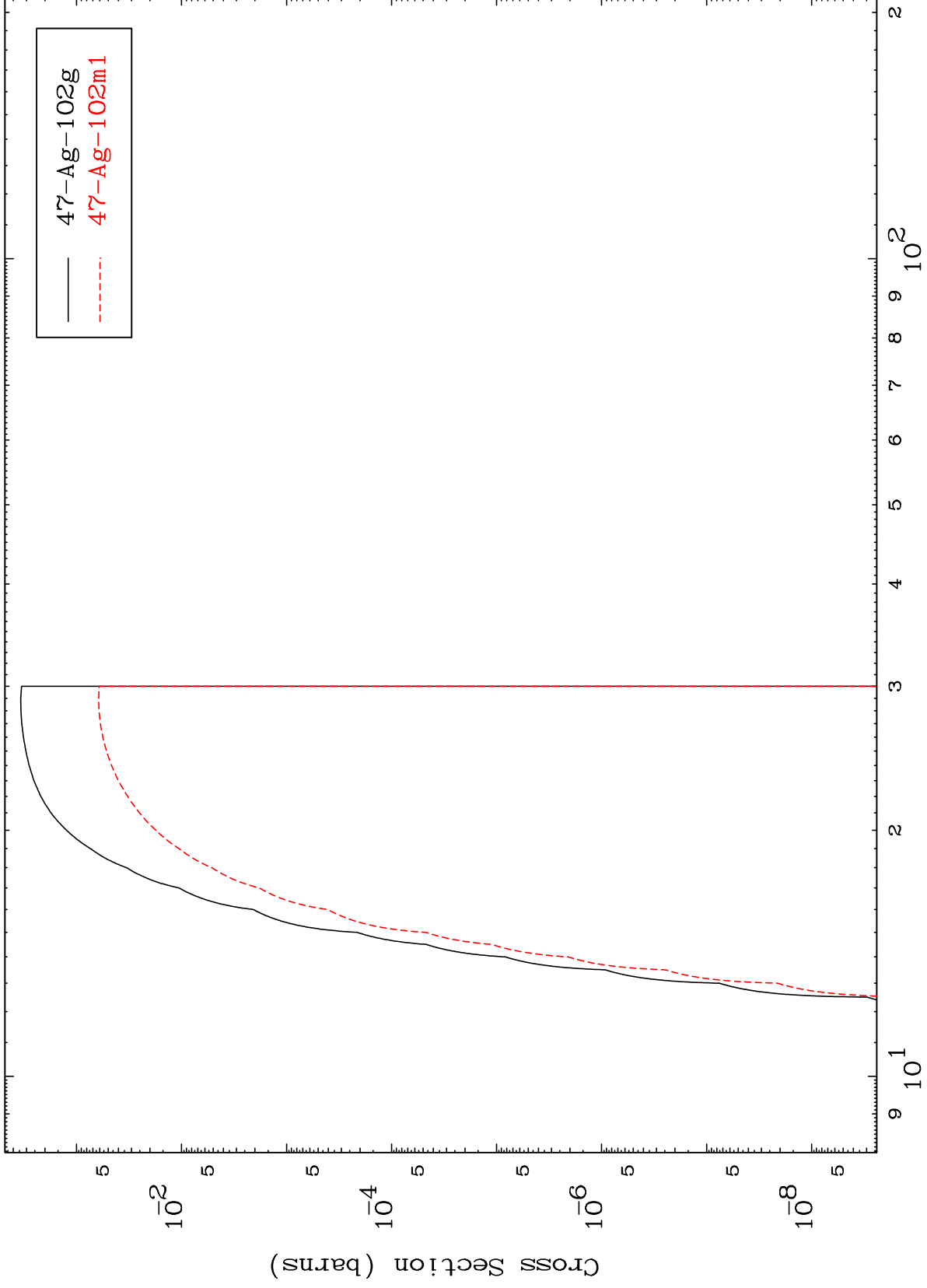


MAT 4899

(n,2n) p

49-In-104

Radionuclide Production Cross Section



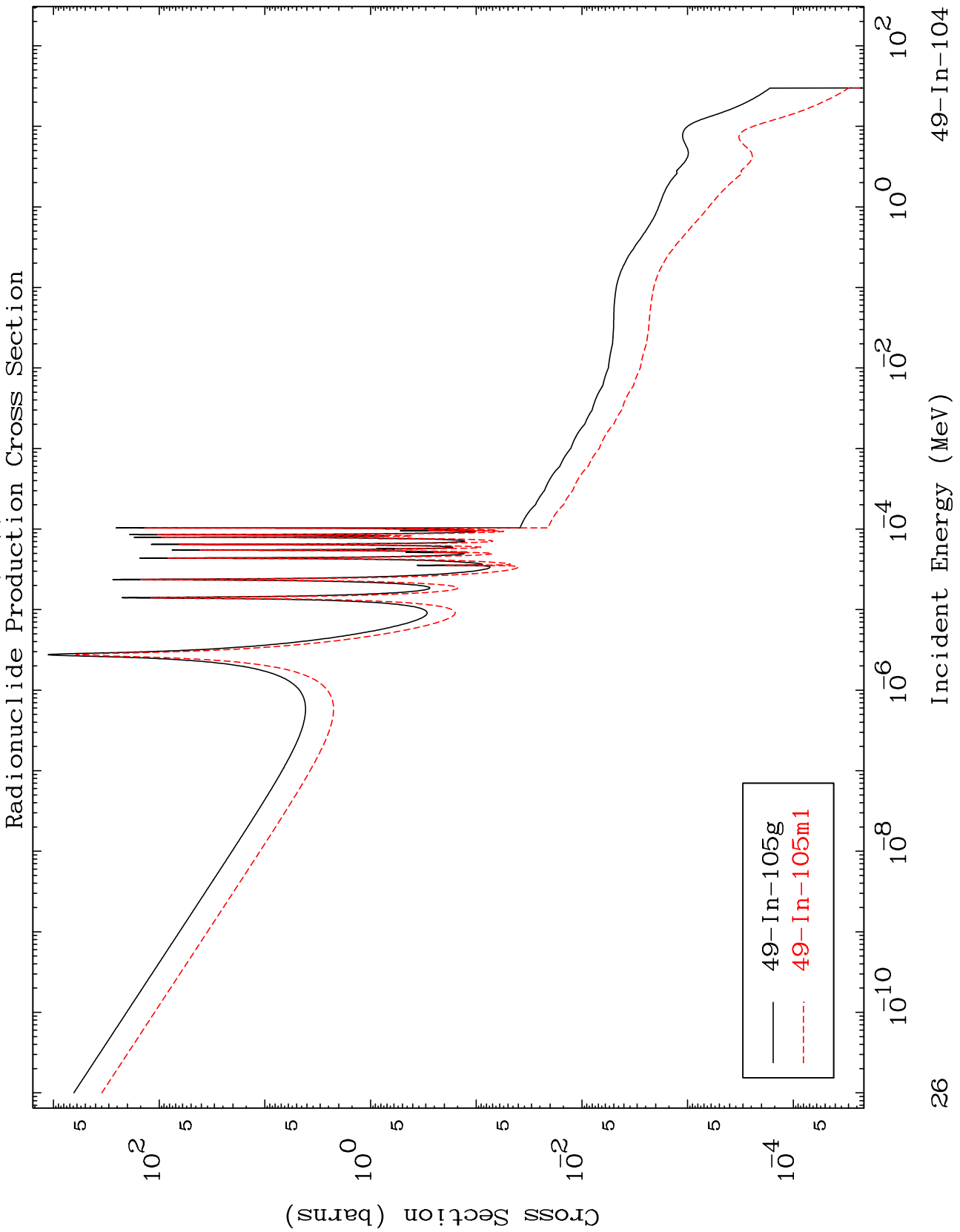
25

Incident Energy (MeV)

49-In-104

MAT 4899

49-In-104

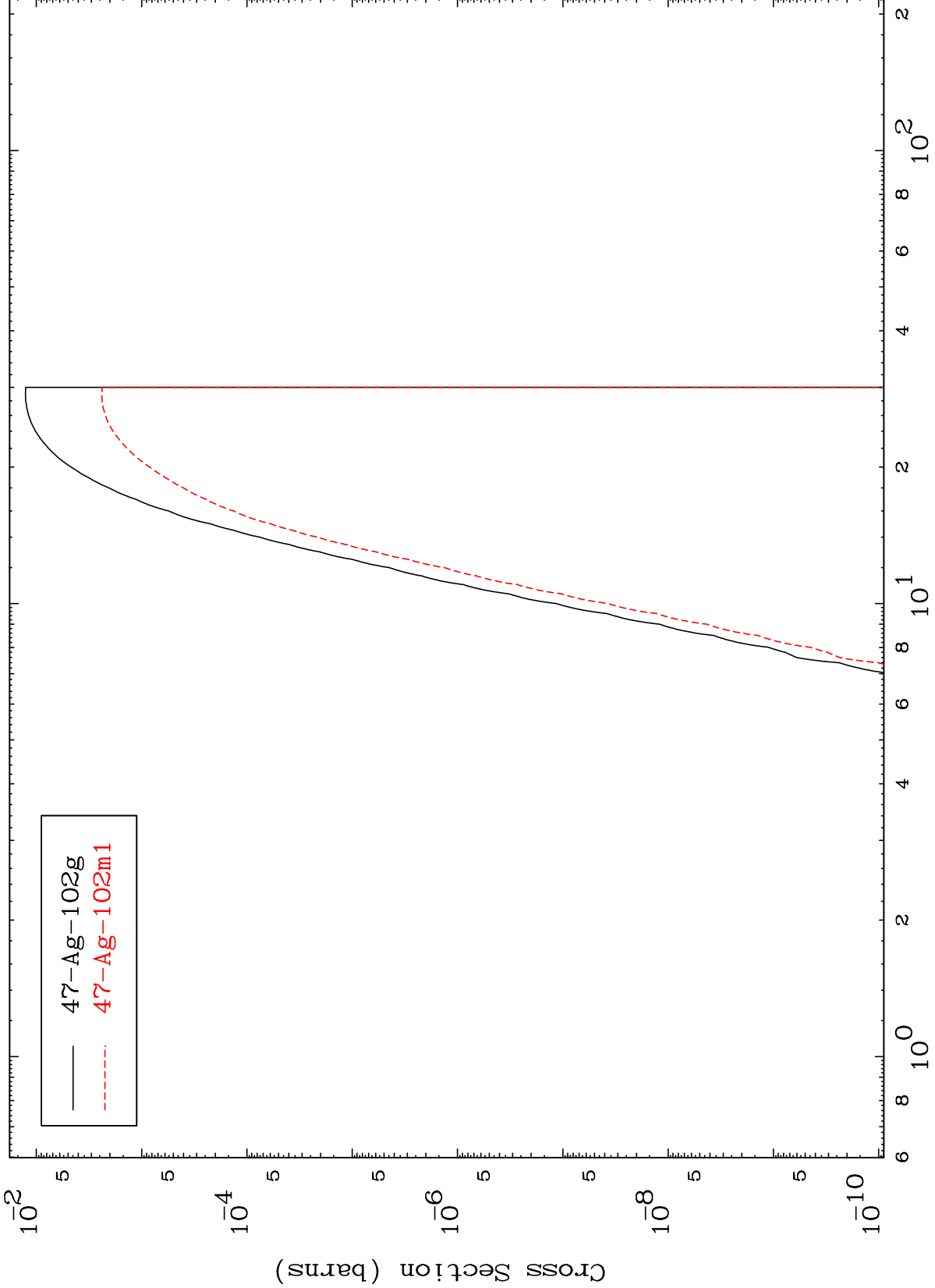


MAT 4899

(n,He-3)

49-In-104

Radionuclide Production Cross Section



27

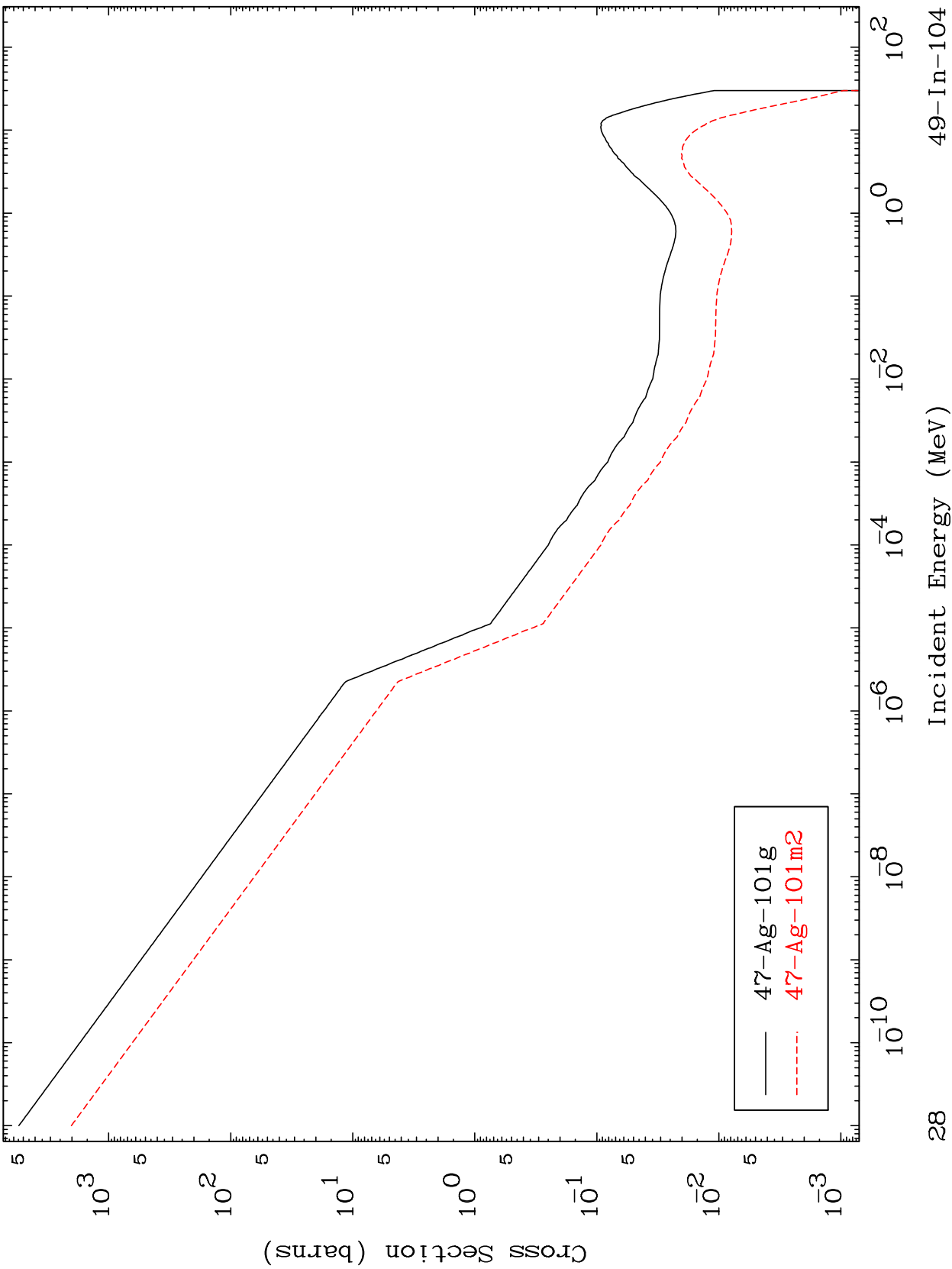
Incident Energy (MeV)

49-In-104

MAT 4899

49-In-104

(n,α)
Radionuclide Production Cross Section

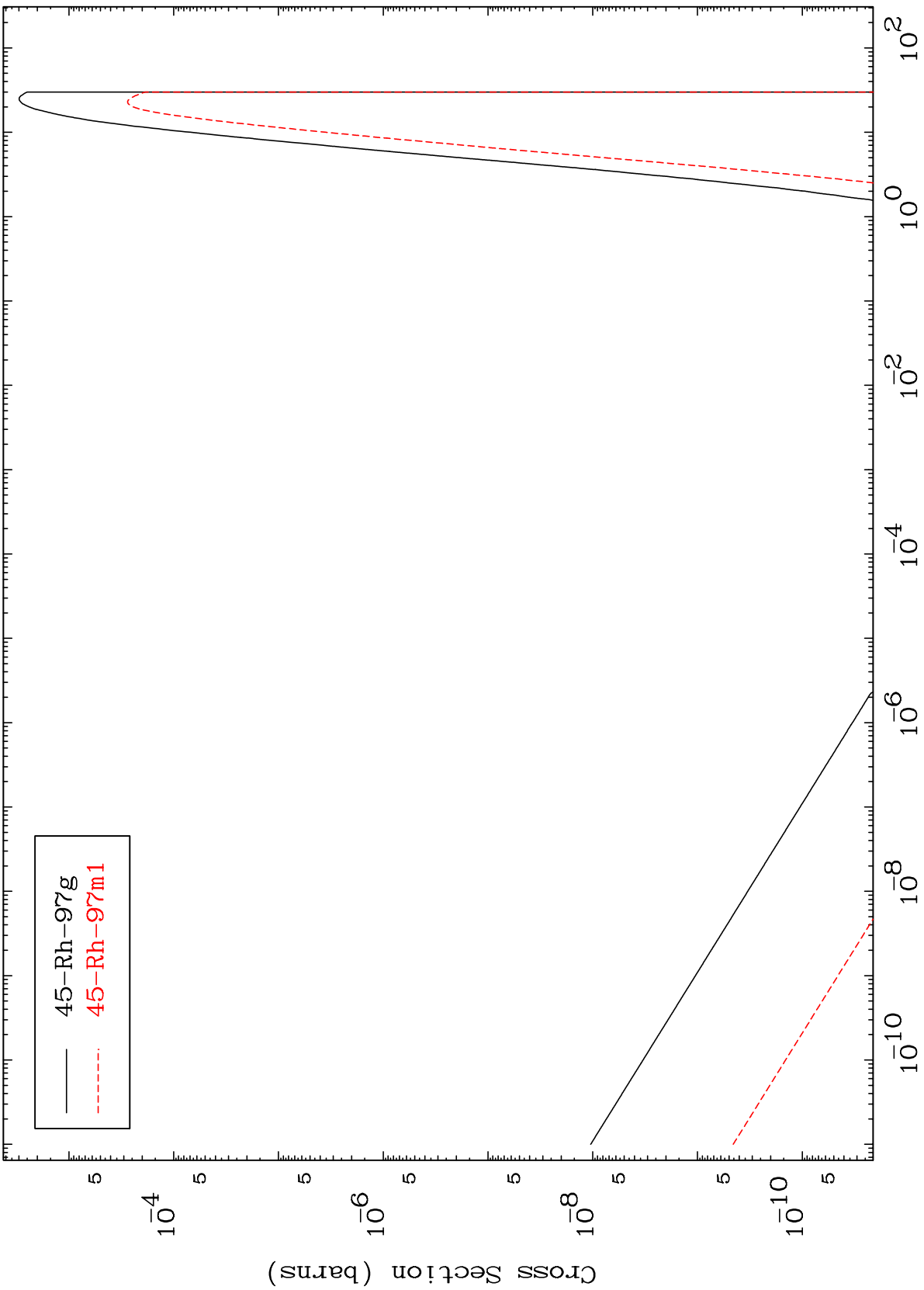


MAT 4899

(n,2α)

49-In-104

Radionuclide Production Cross Section



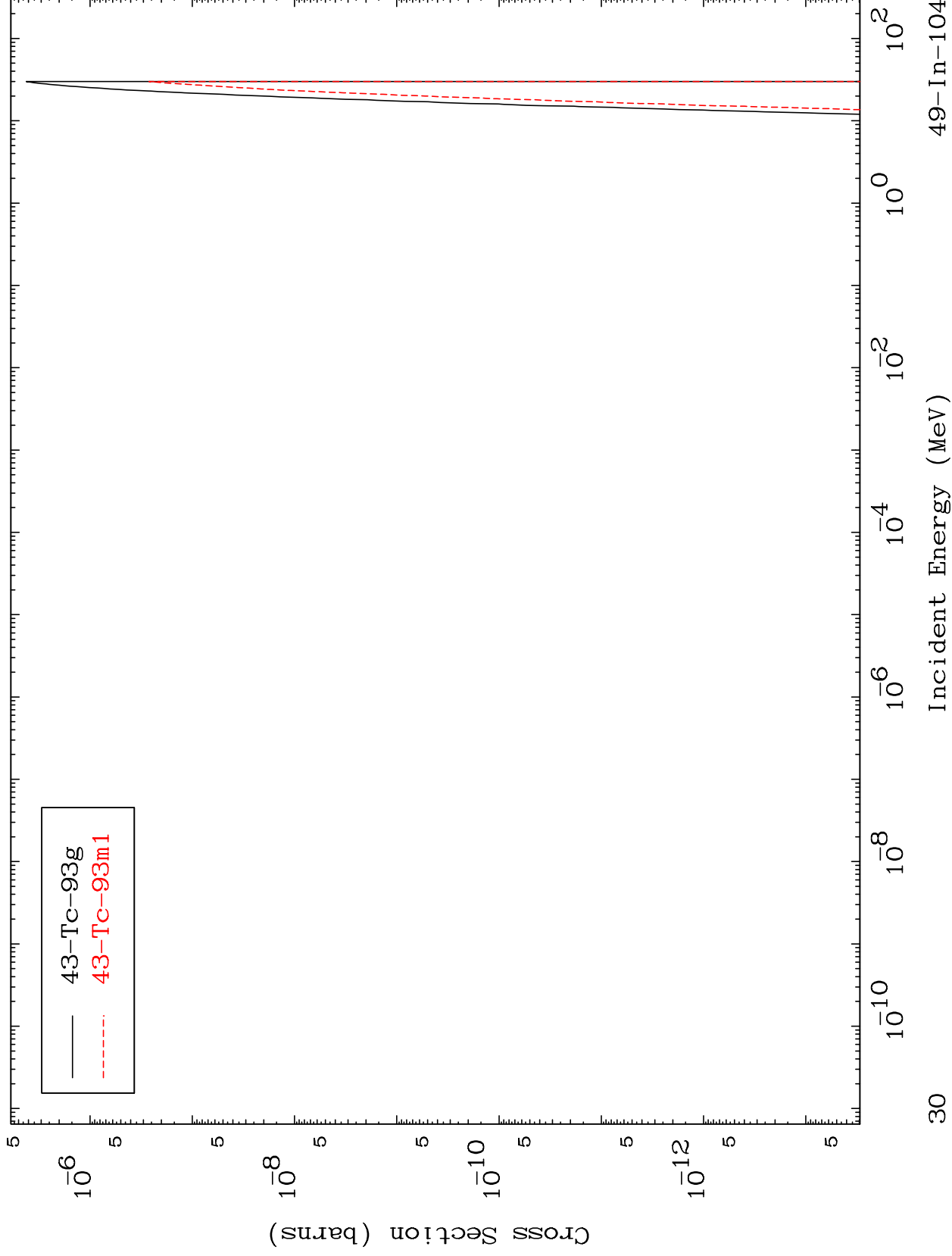
— 45-Rh-97g
- - - 45-Rh-97m1

MAT 4899

(n,3 α)

49-In-104

Radionuclide Production Cross Section



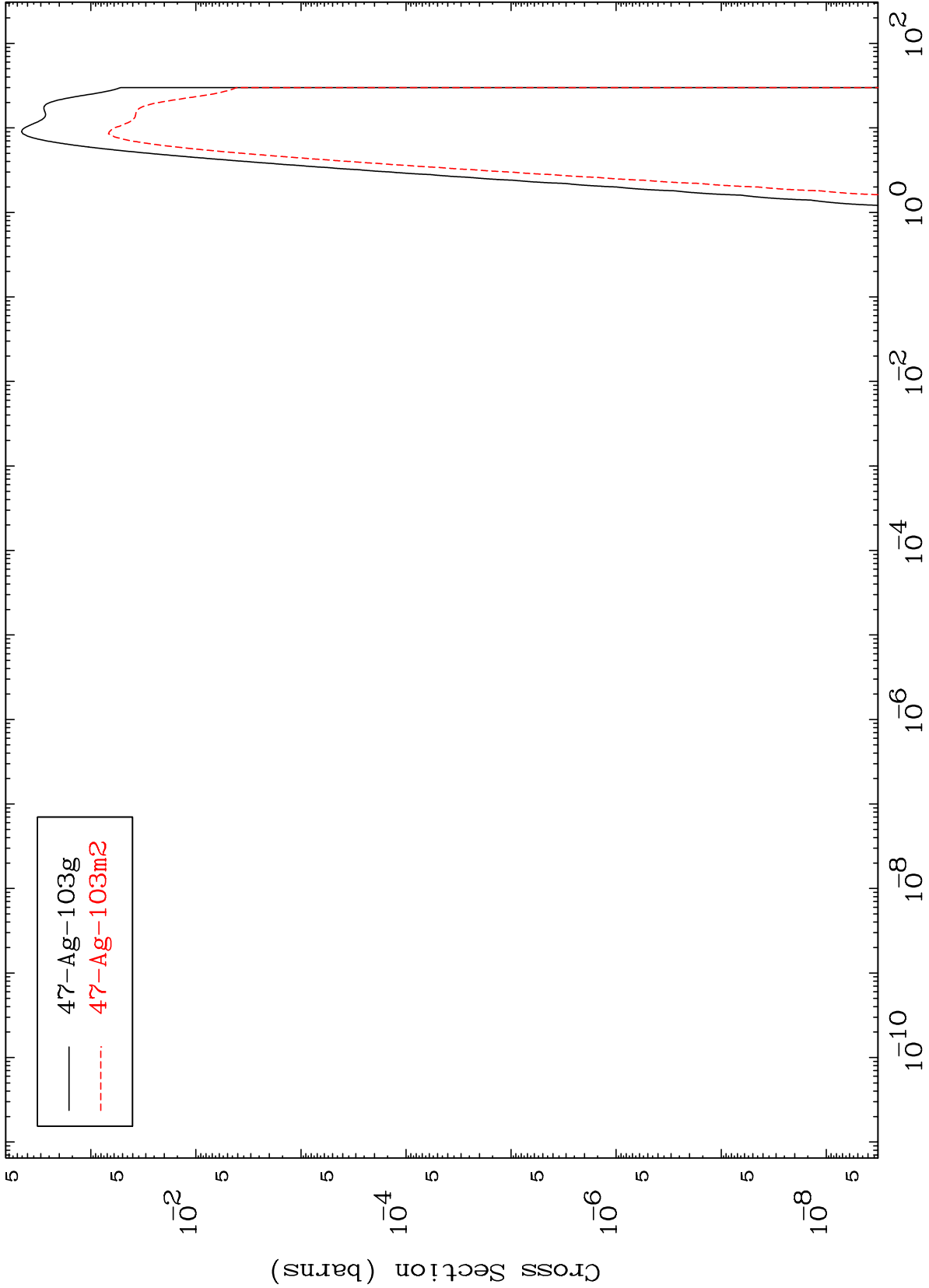
30

MAT 4899

(n,2p)

49-In-104

Radionuclide Production Cross Section

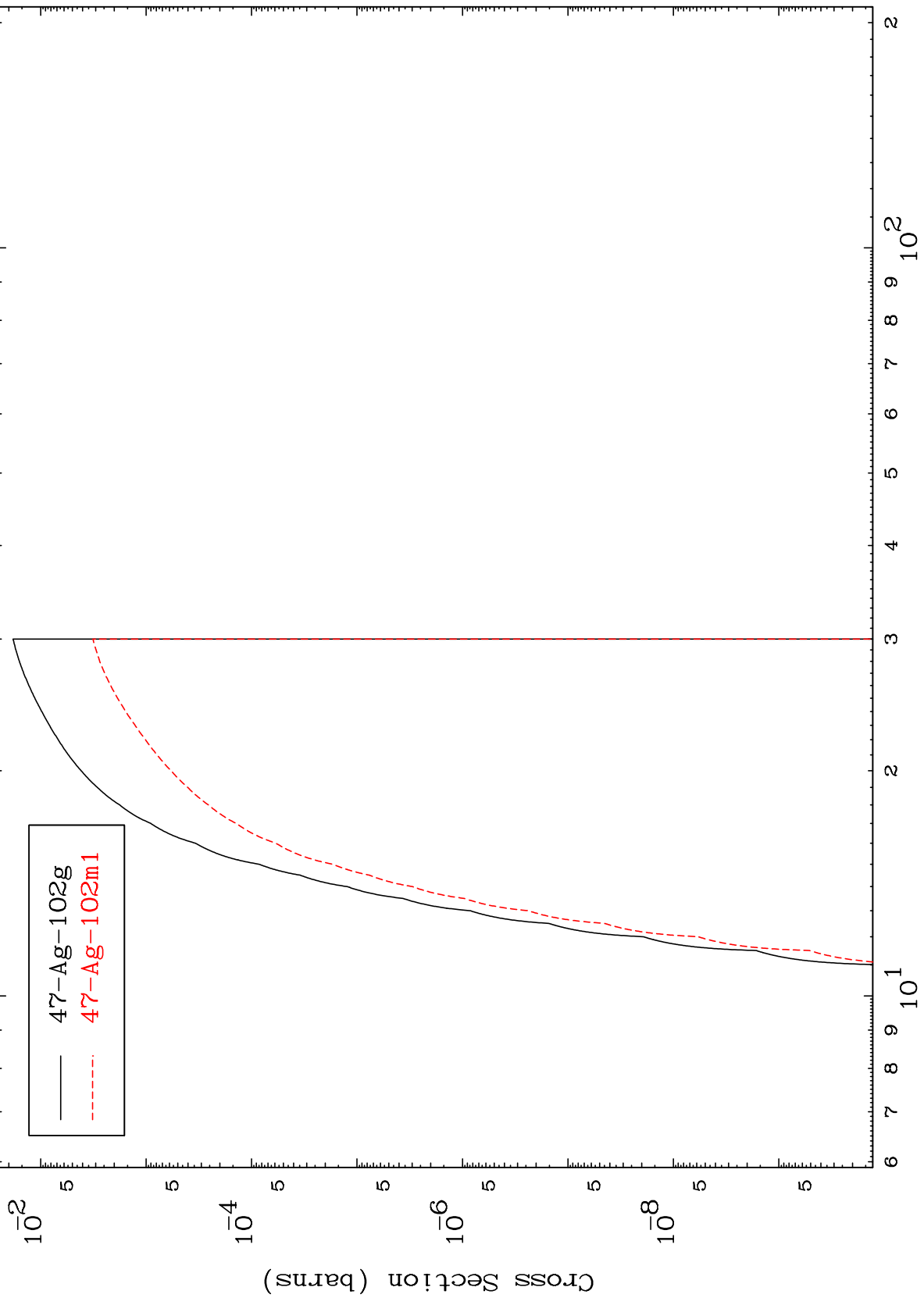


MAT 4899

(n,p) d

49-In-104

Radionuclide Production Cross Section



— 47-Ag-102g
- - - 47-Ag-102m1

32

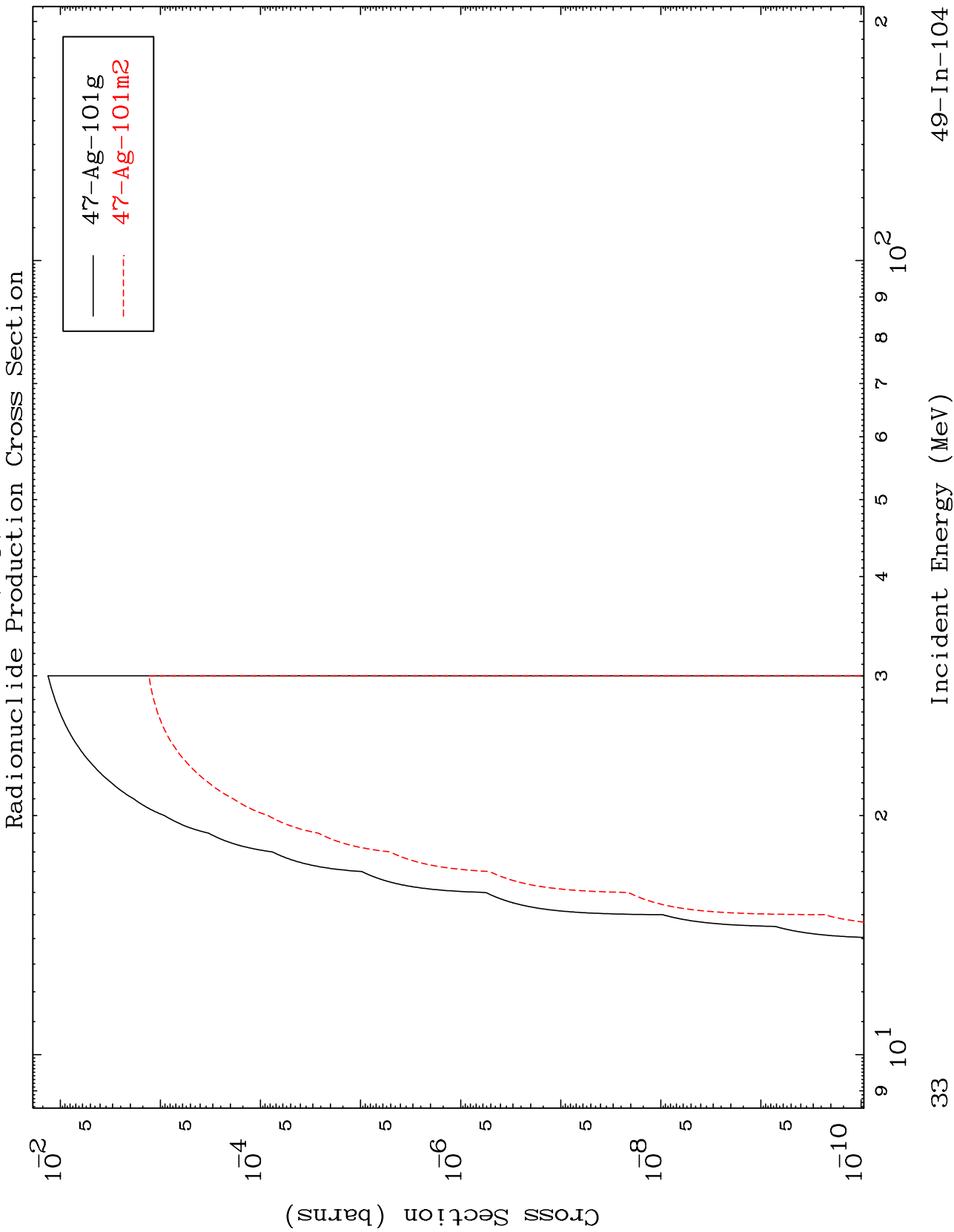
Incident Energy (MeV)

49-In-104

MAT 4899

(n,p) t

49-In-104



33

Incident Energy (MeV)

49-In-104