

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

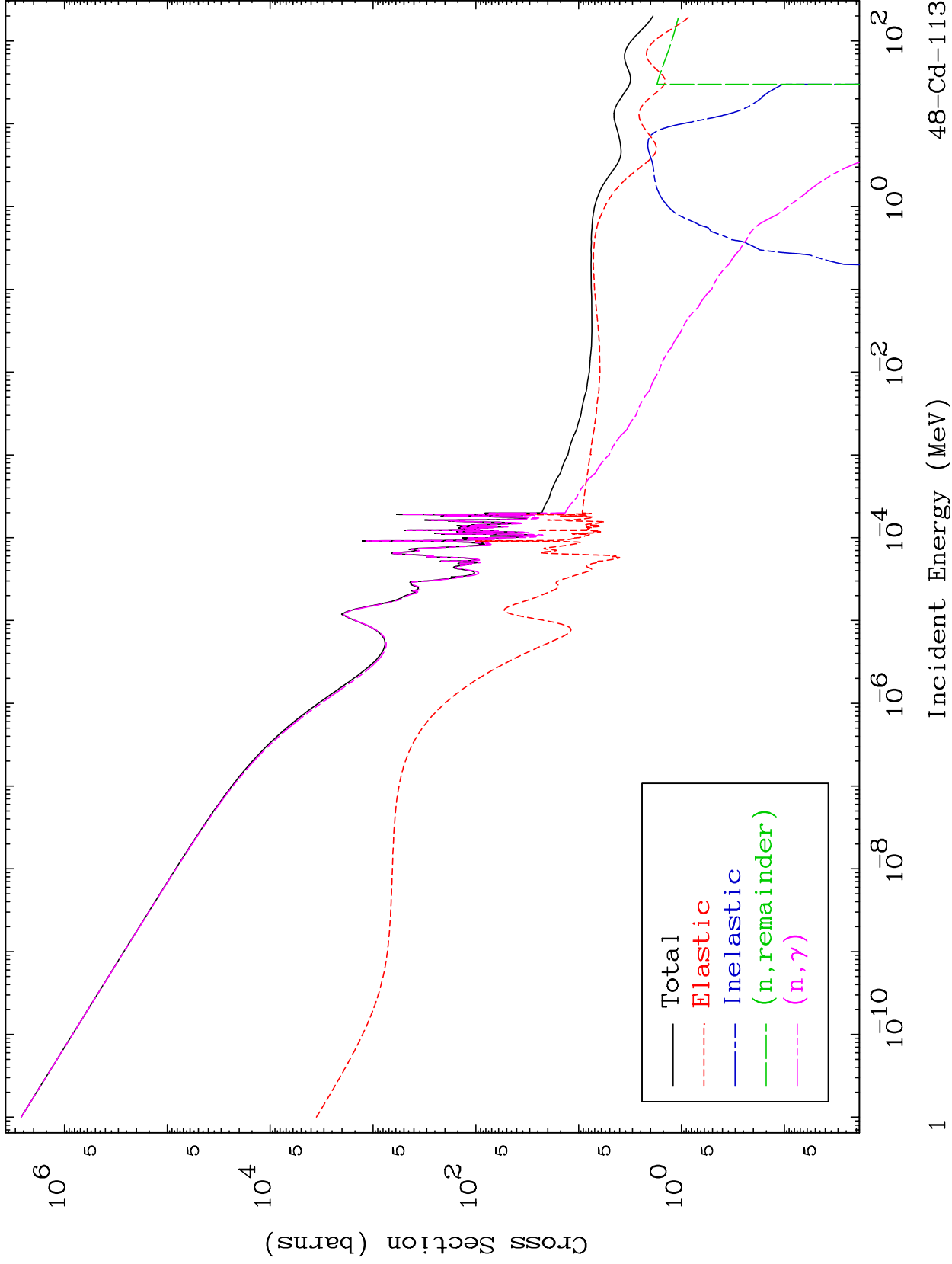
Press Mouse Button to Start

MAT 4847

Major

293 Kelvin Cross Sections

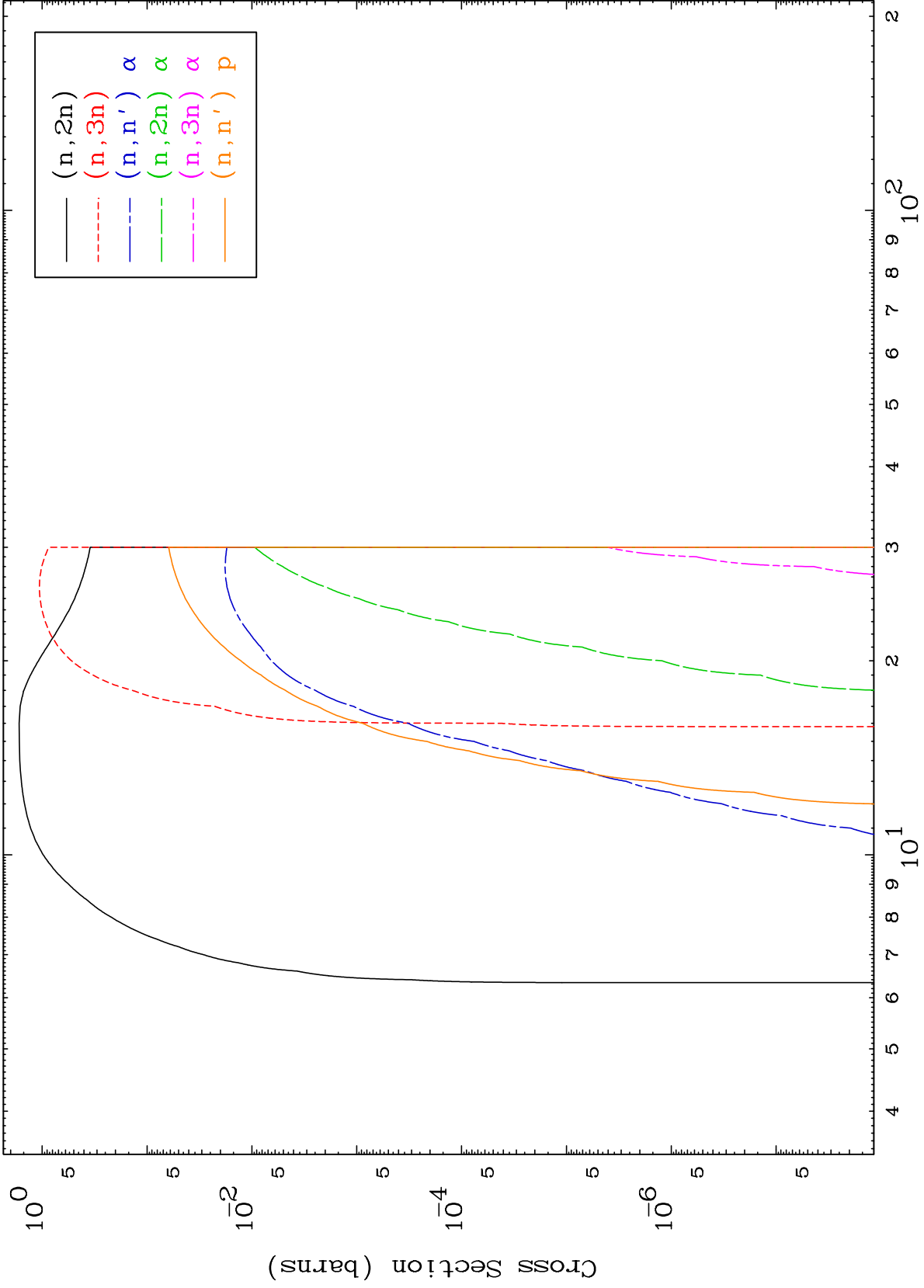
48-Cd-113



MAT 4847

Neutron Production
293 Kelvin Cross Sections

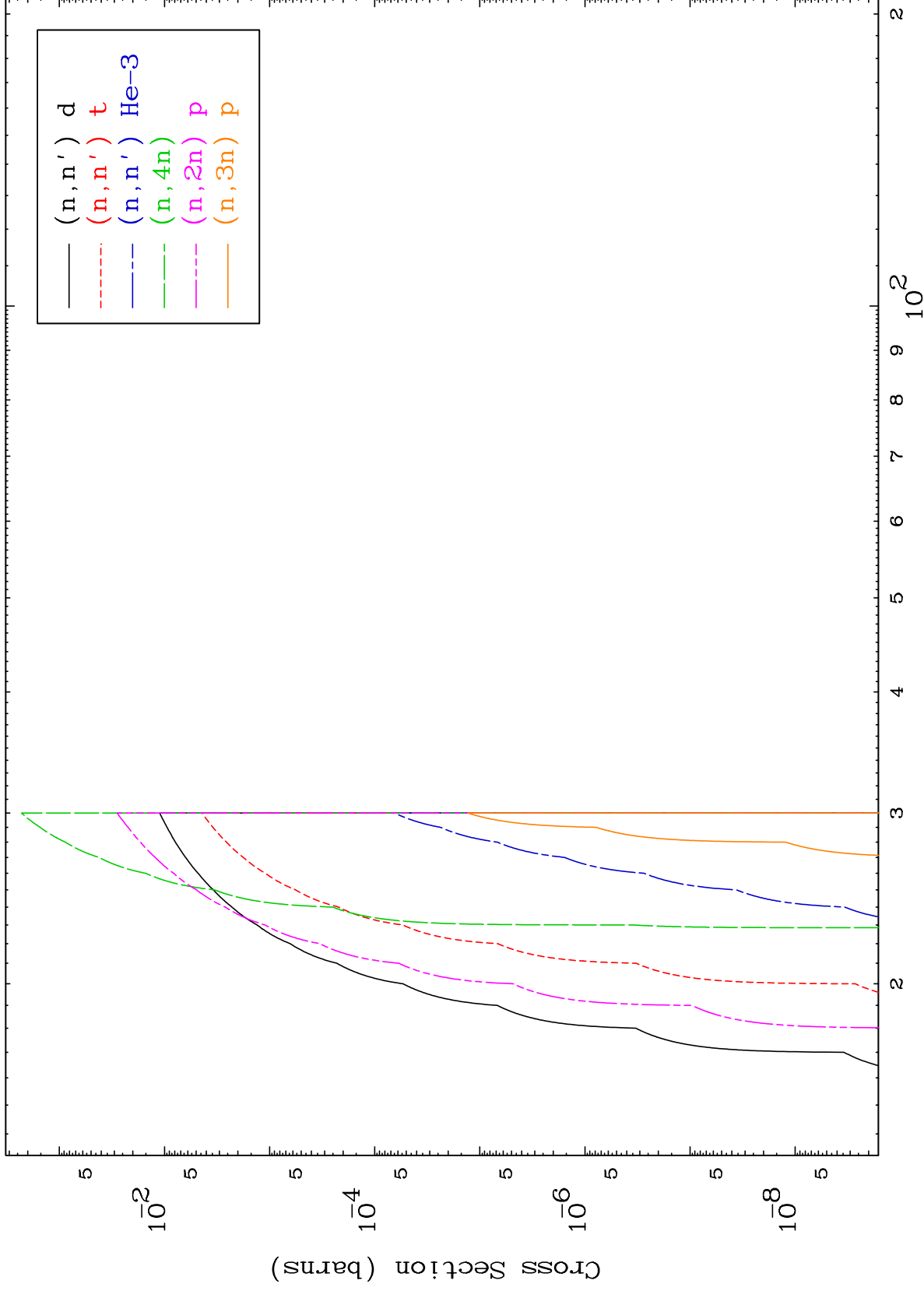
48-Cd-113



2

Incident Energy (MeV)

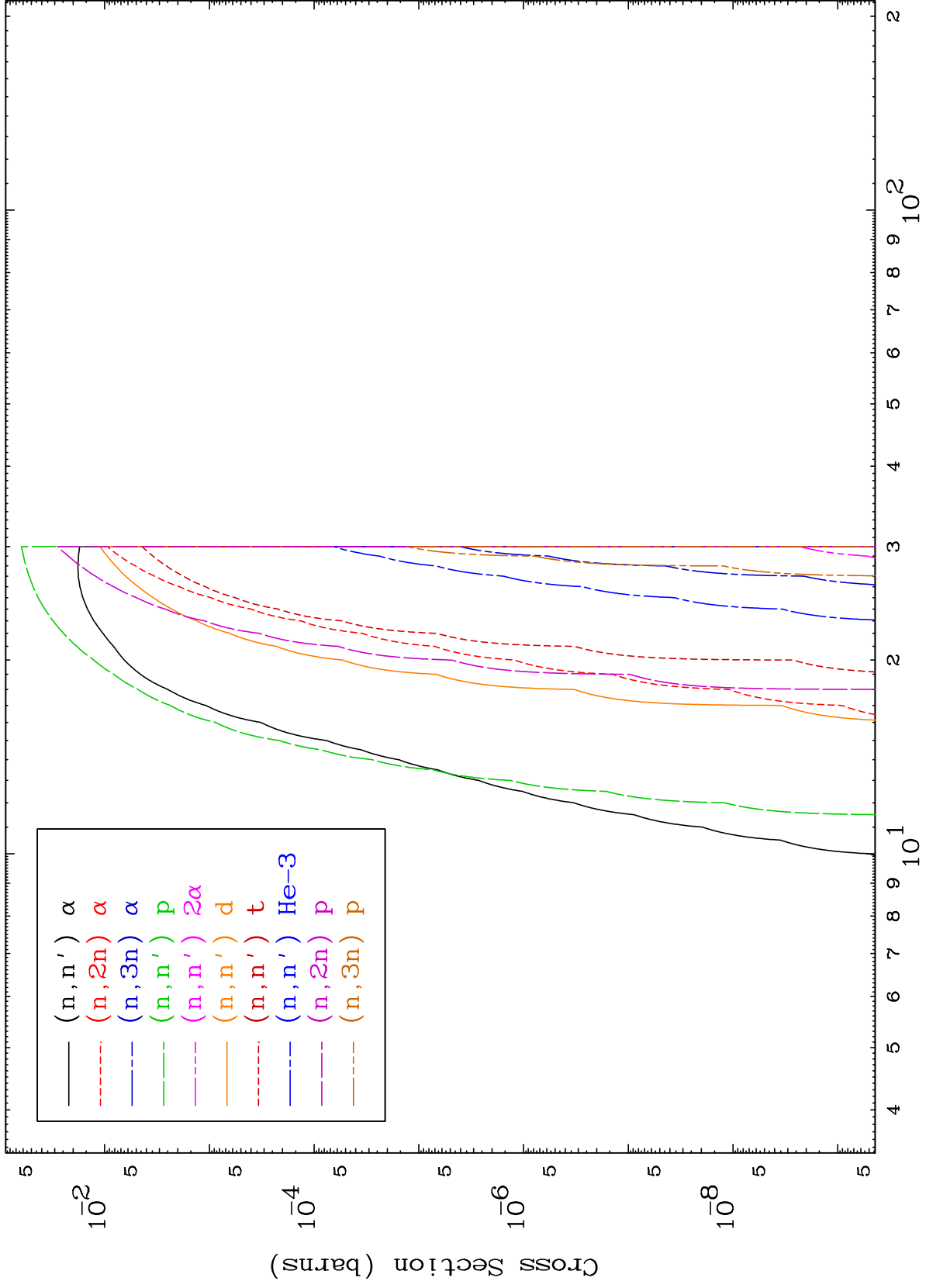
48-Cd-113



MAT 4847

Charged Particle
293 Kelvin Cross Sections

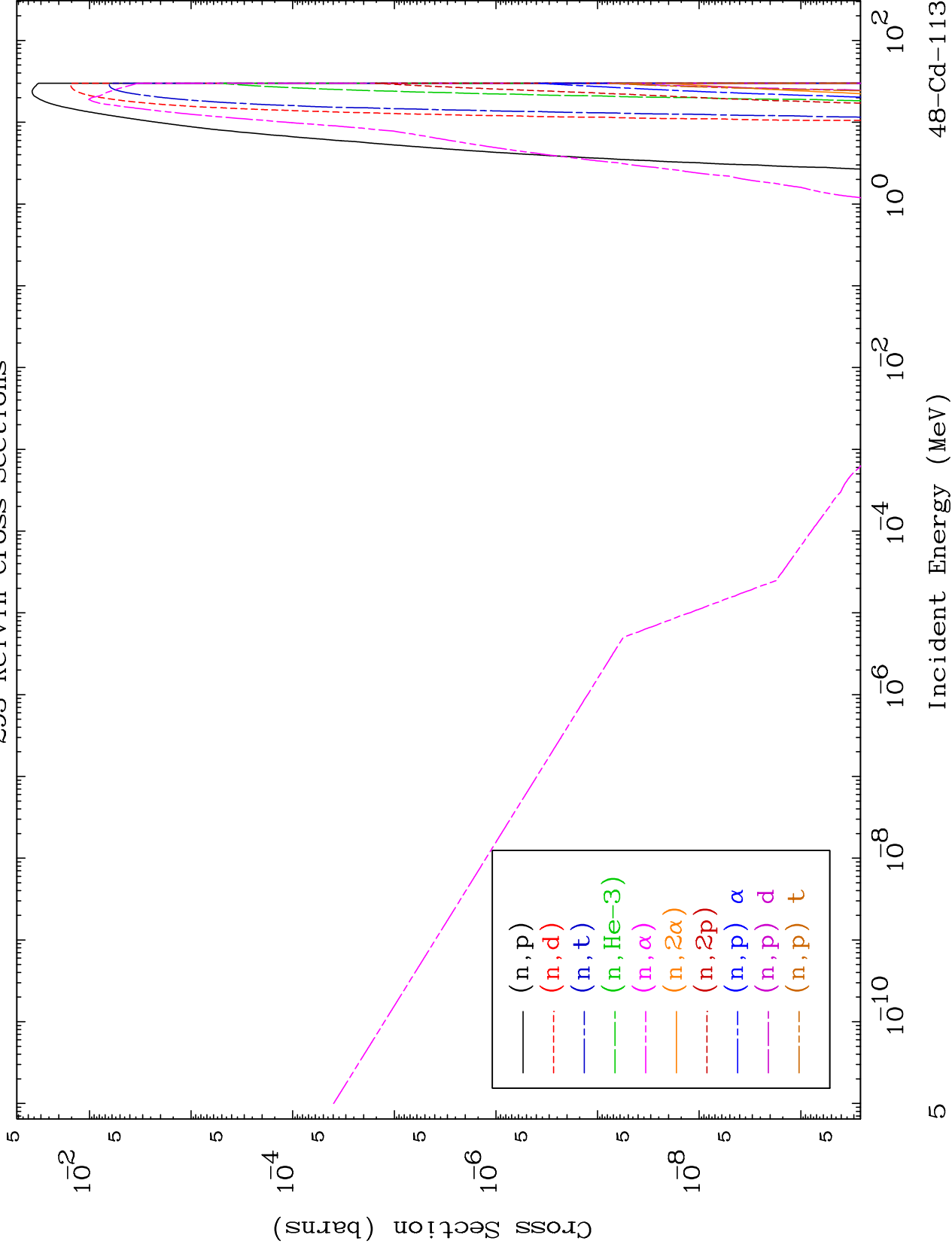
48-Cd-113



MAT 4847

Charged Particle
293 Kelvin Cross Sections

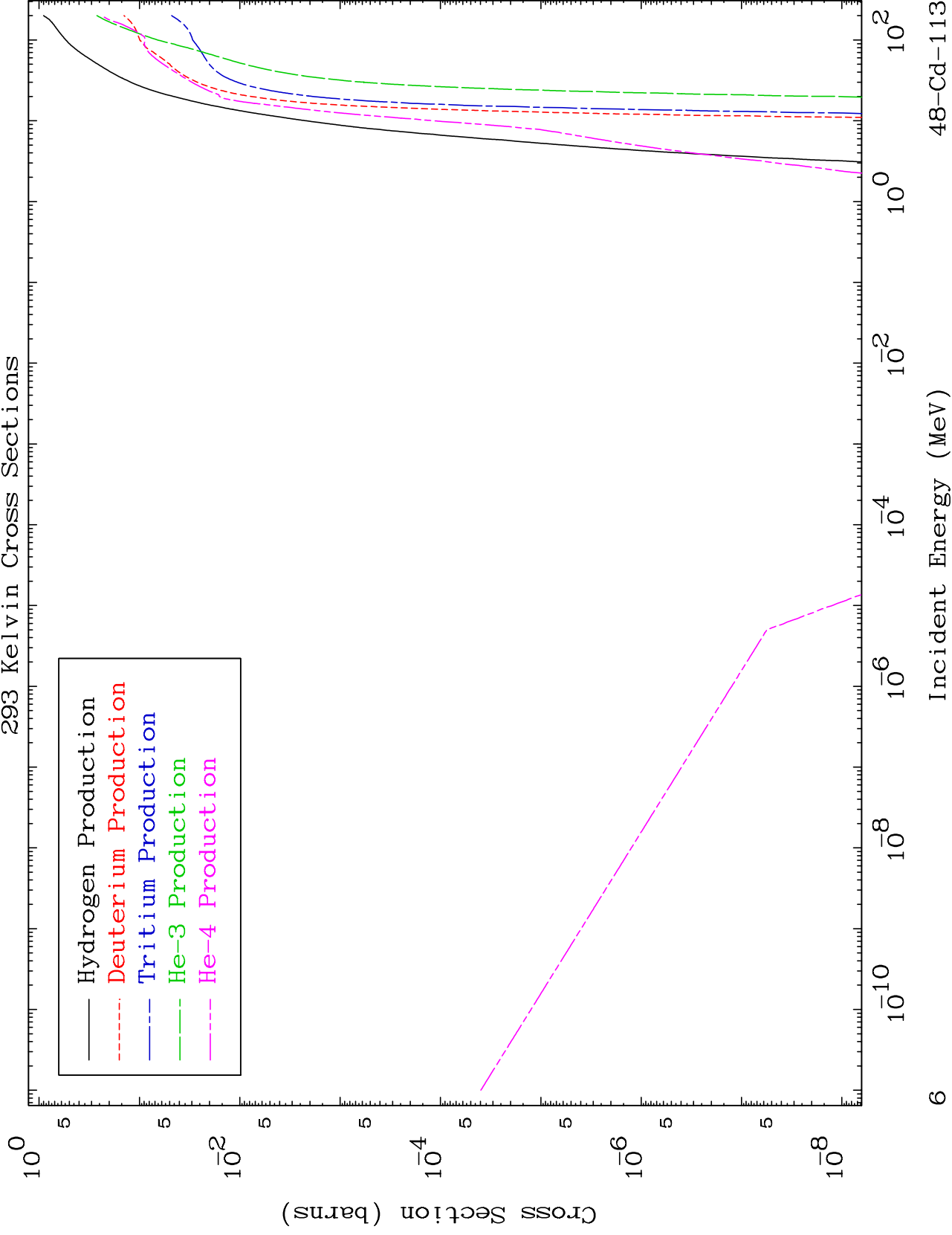
48-Cd-113



MAT 4847

Particle Production
293 Kelvin Cross Sections

48-Cd-113

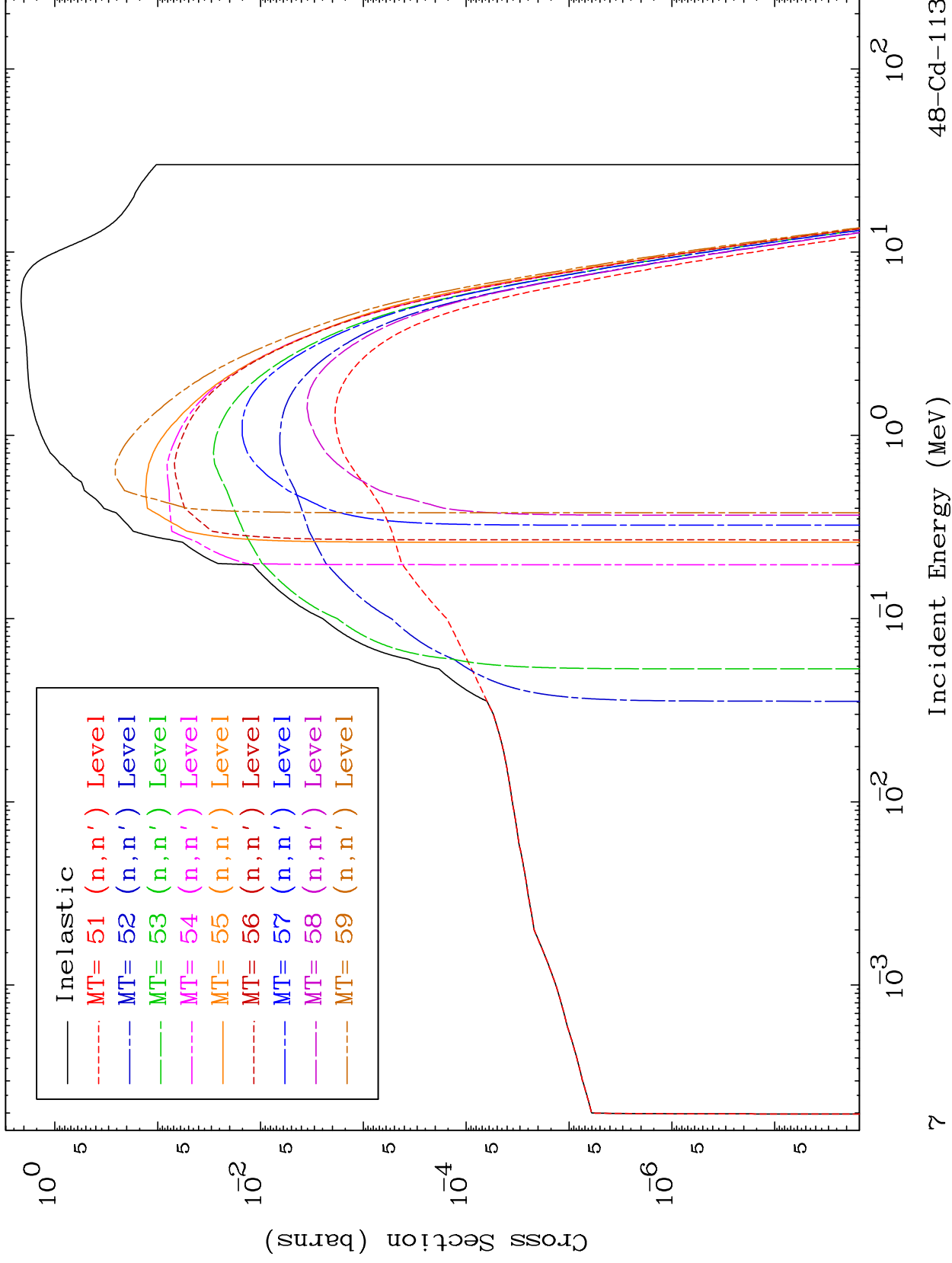


MAT 4847

(n,n') Level

48-Cd-113

293 Kelvin Cross Sections

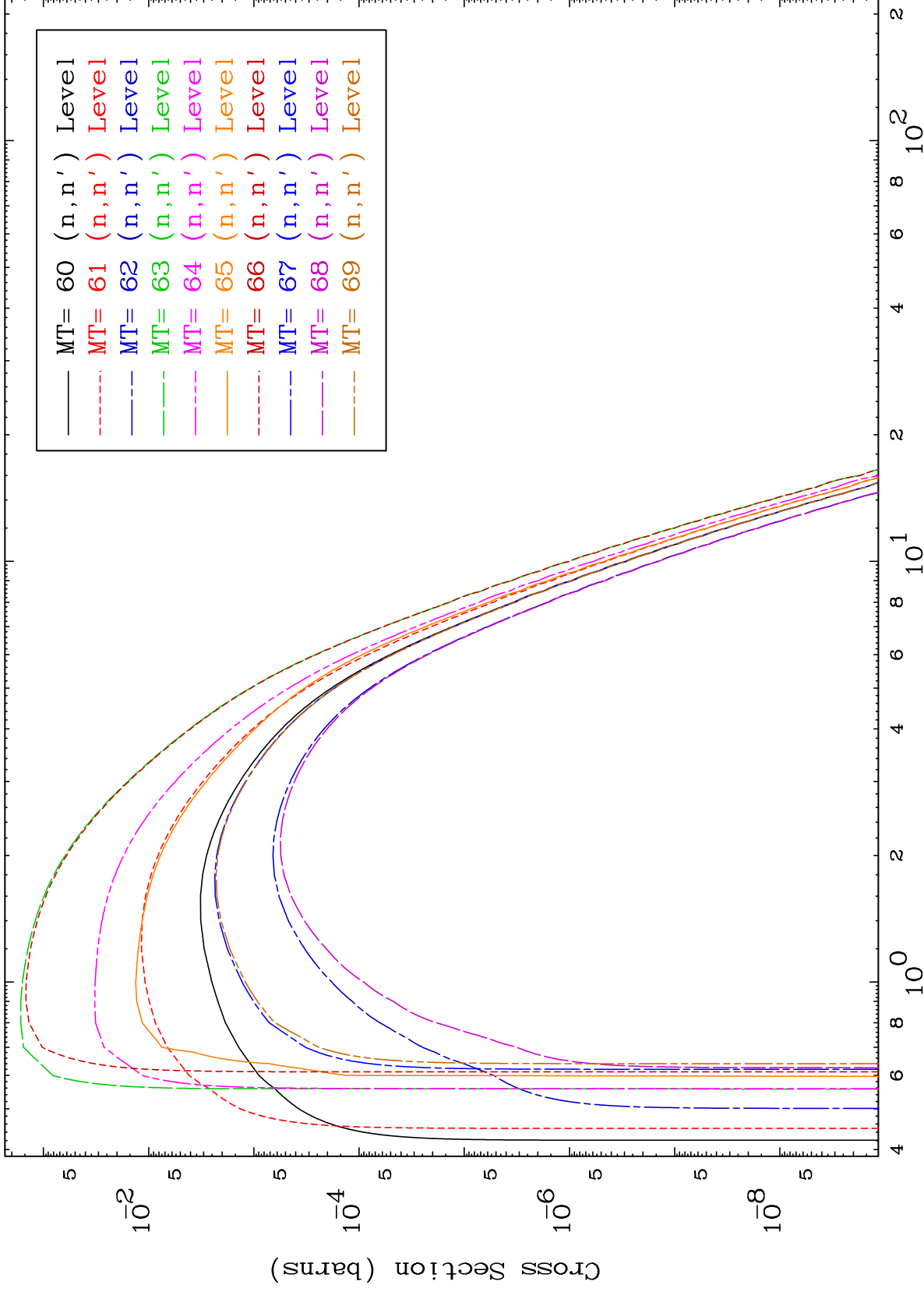


MAT 4847

(n,n') Level

48-Cd-113

293 Kelvin Cross Sections



Incident Energy (MeV)

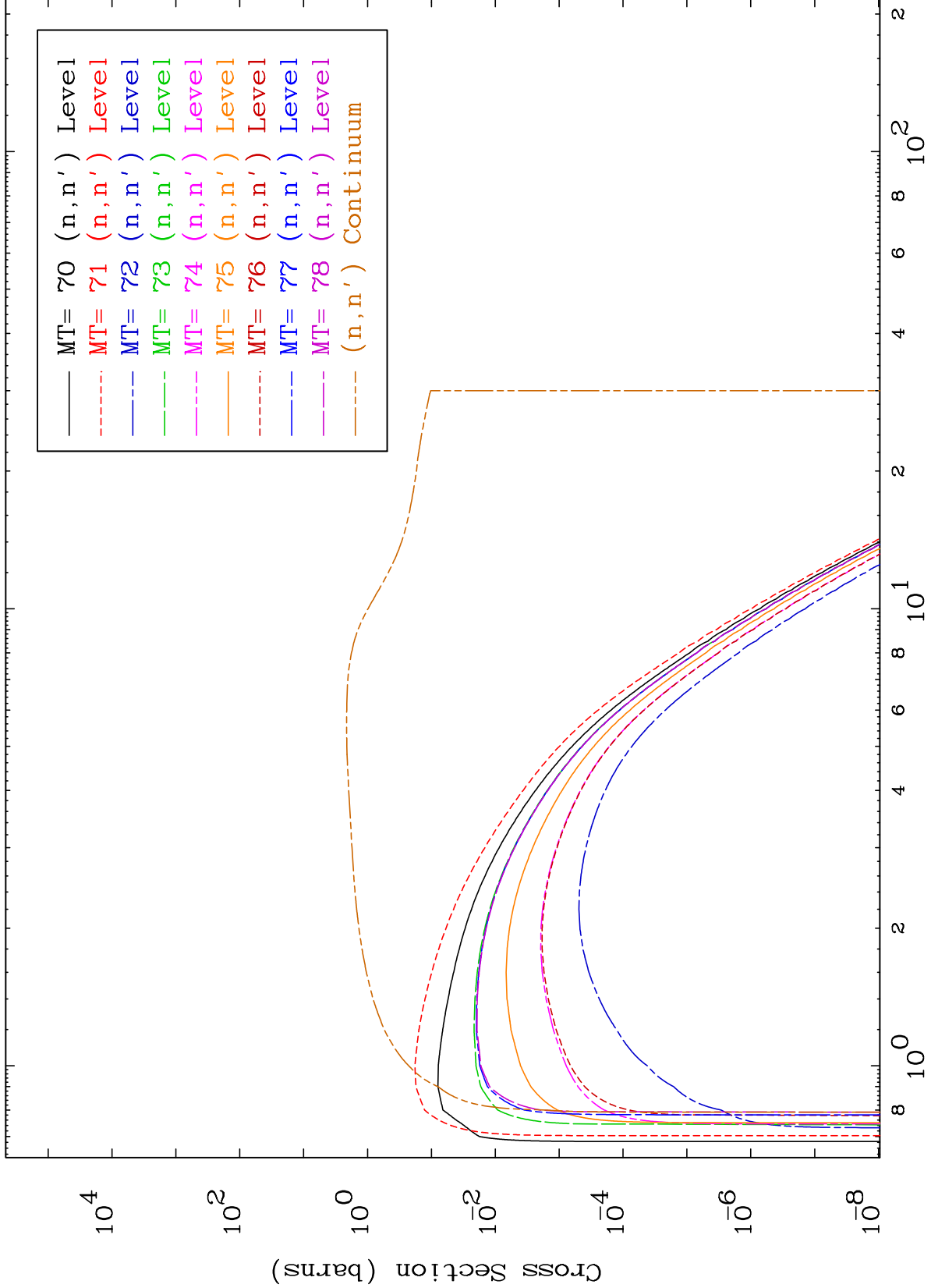
48-Cd-113

MAT 4847

(n,n') Level

48-Cd-113

293 Kelvin Cross Sections



9

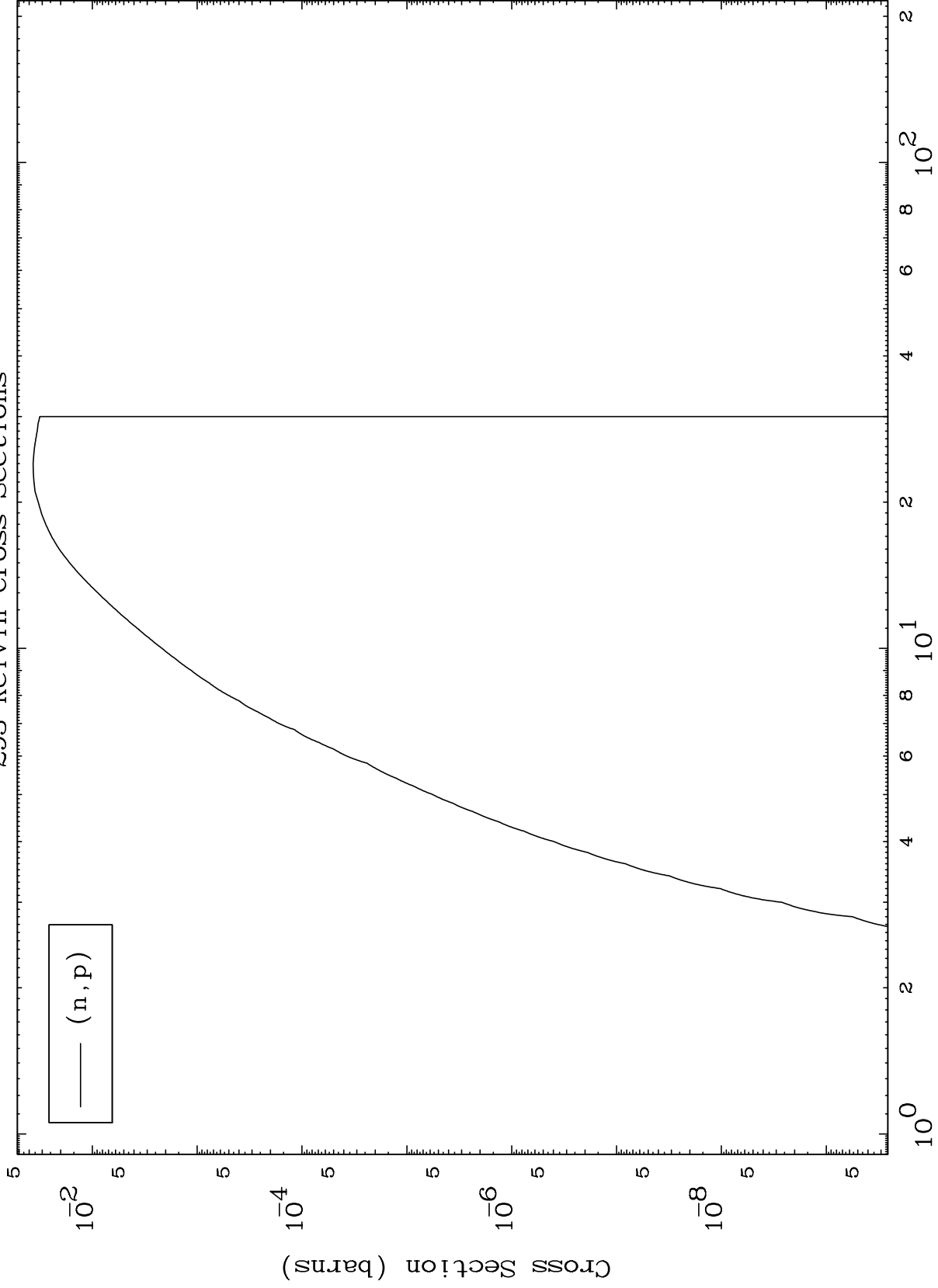
Incident Energy (MeV)

48-Cd-113

MAT 4847

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-113



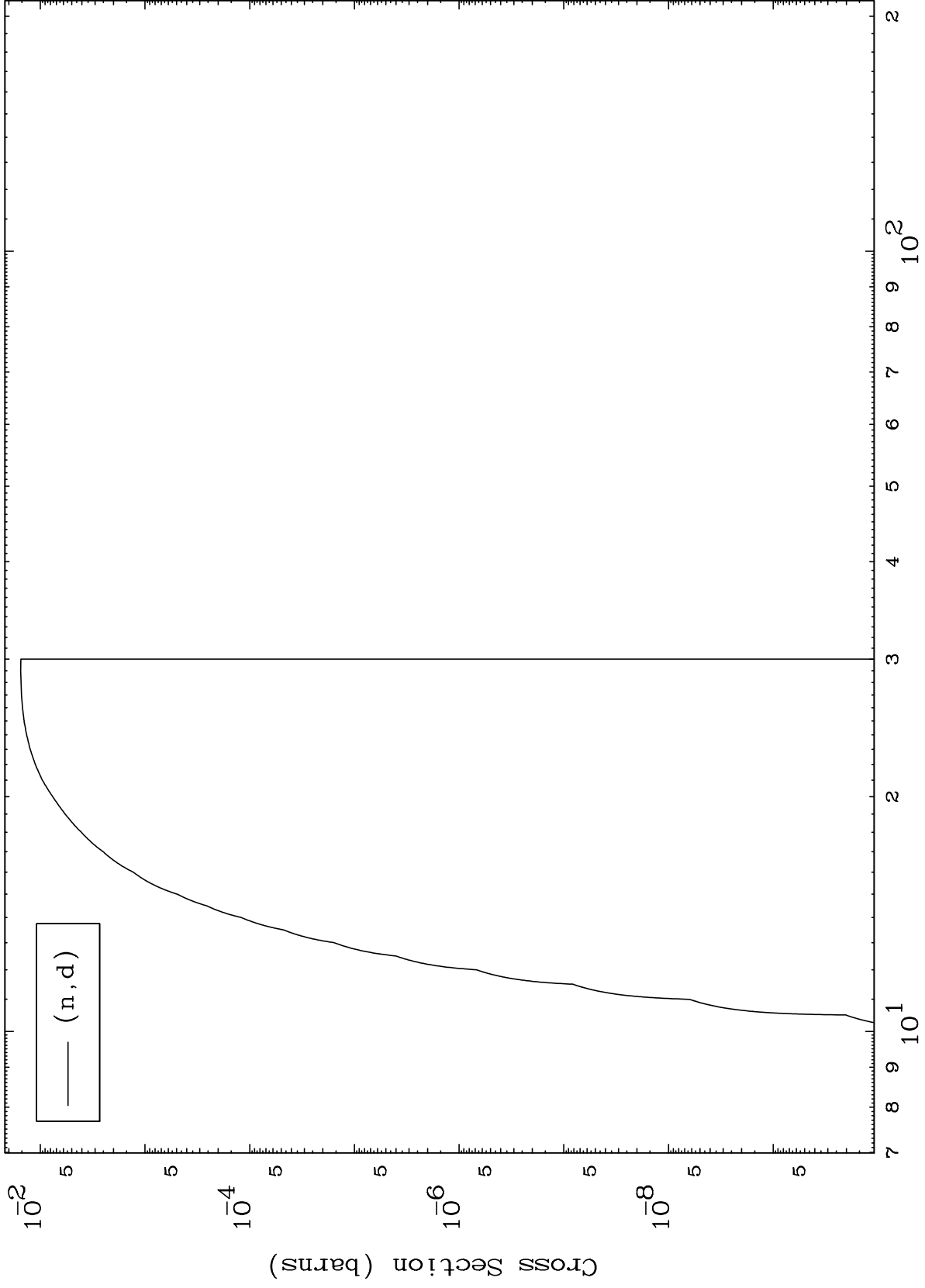
Incident Energy (MeV)

48-Cd-113

MAT 4847

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-113



11

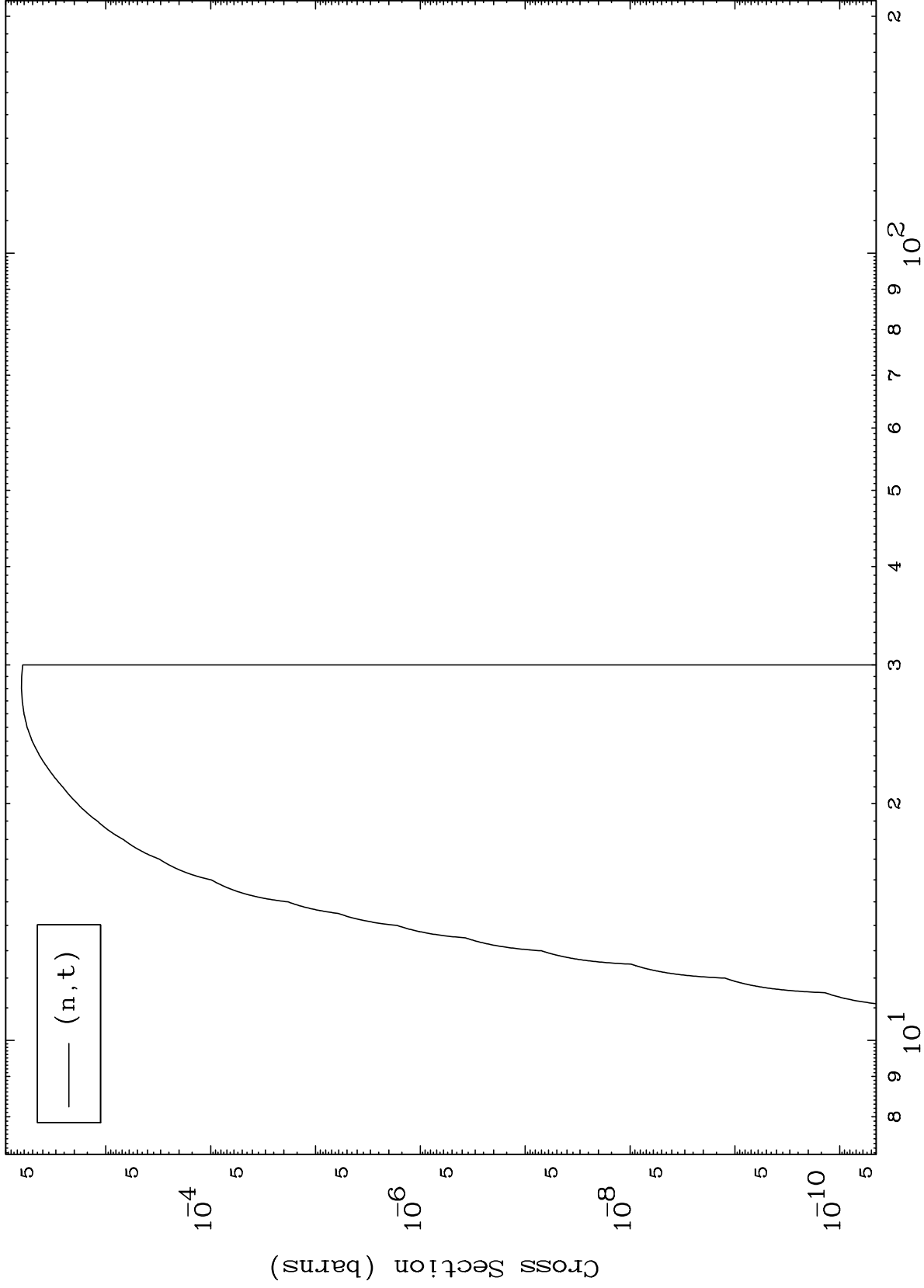
Incident Energy (MeV)

48-Cd-113

MAT 4847

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-113



12

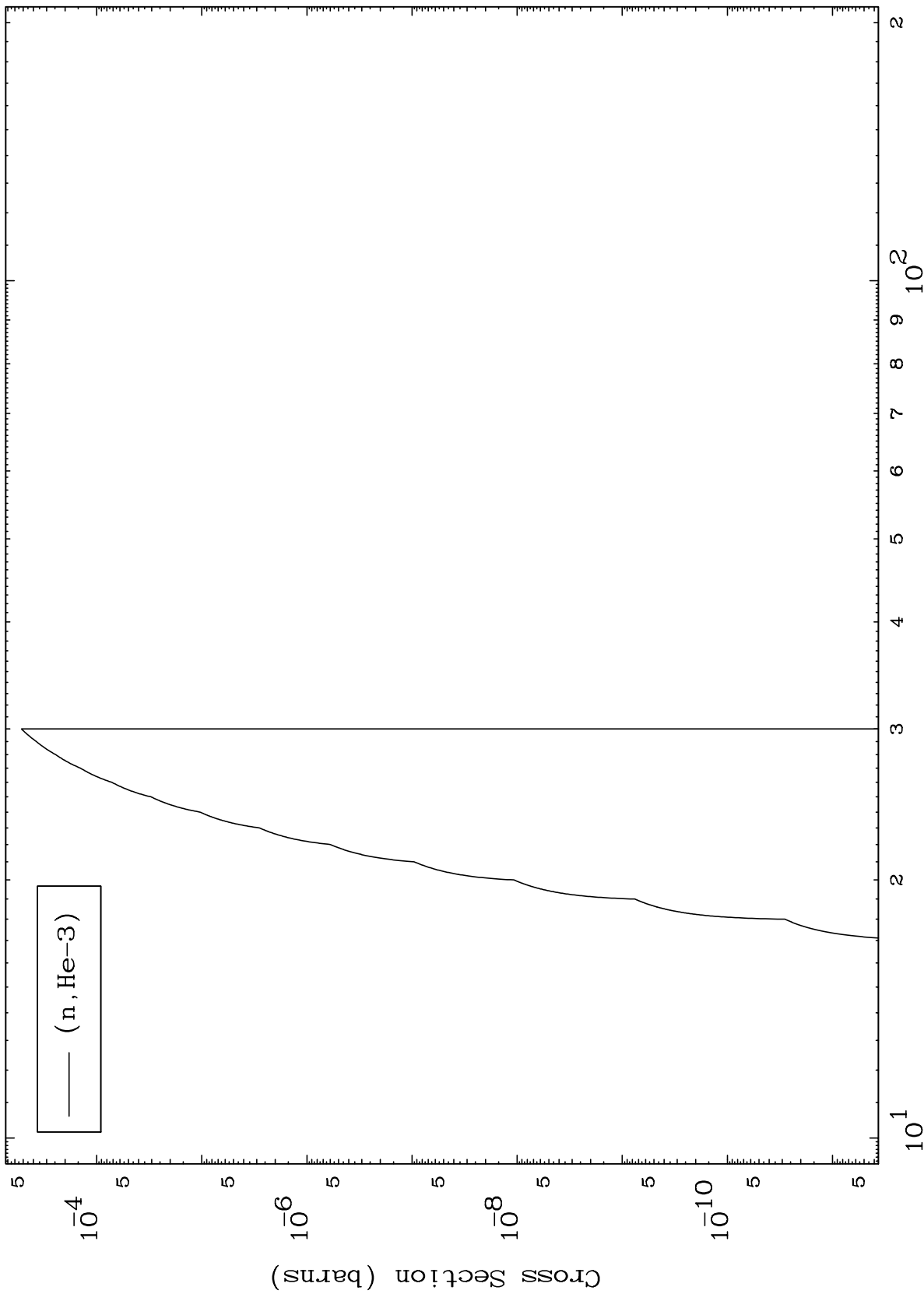
Incident Energy (MeV)

48-Cd-113

MAT 4847

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-113



48-Cd-113

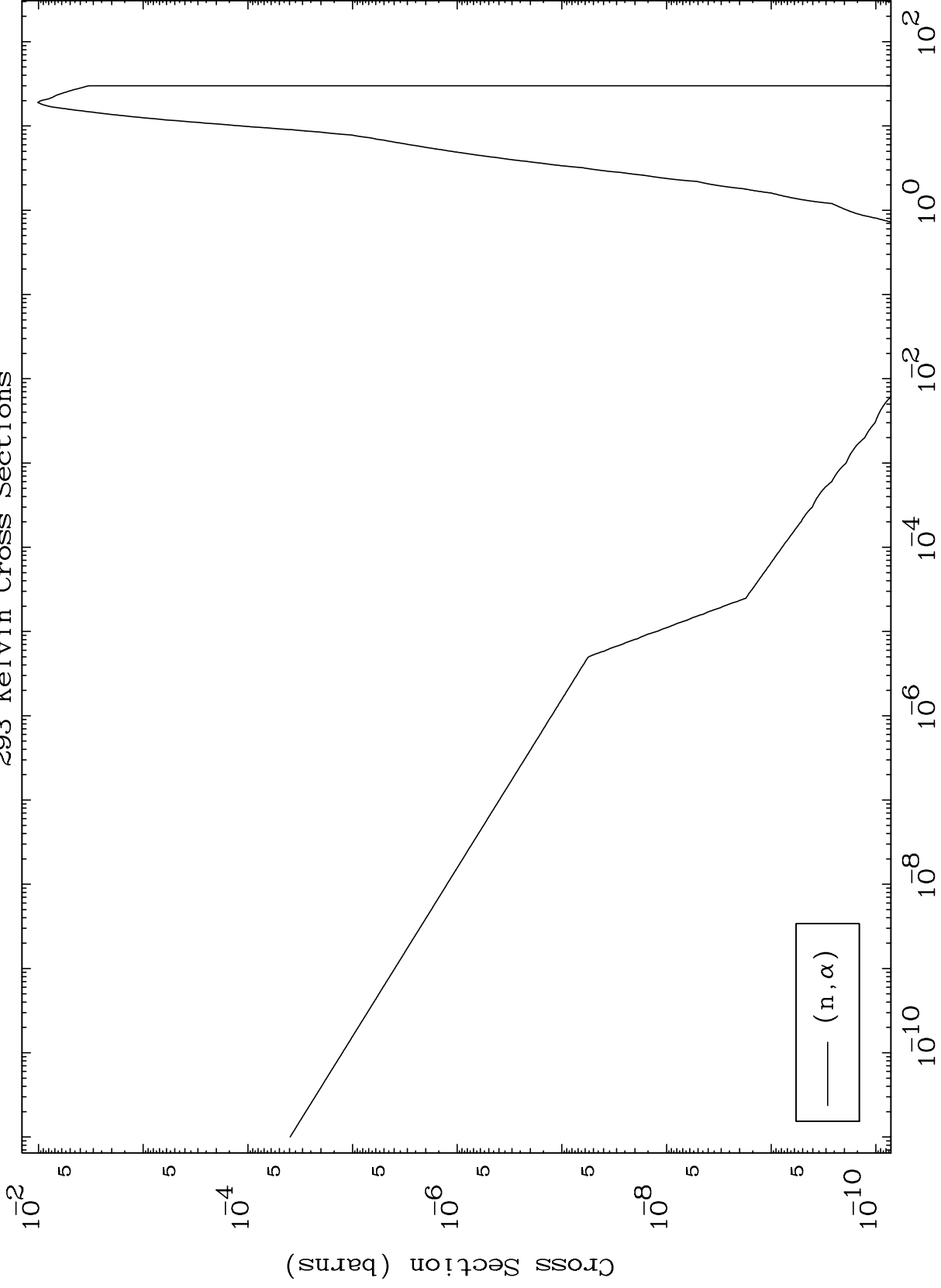
Incident Energy (MeV)

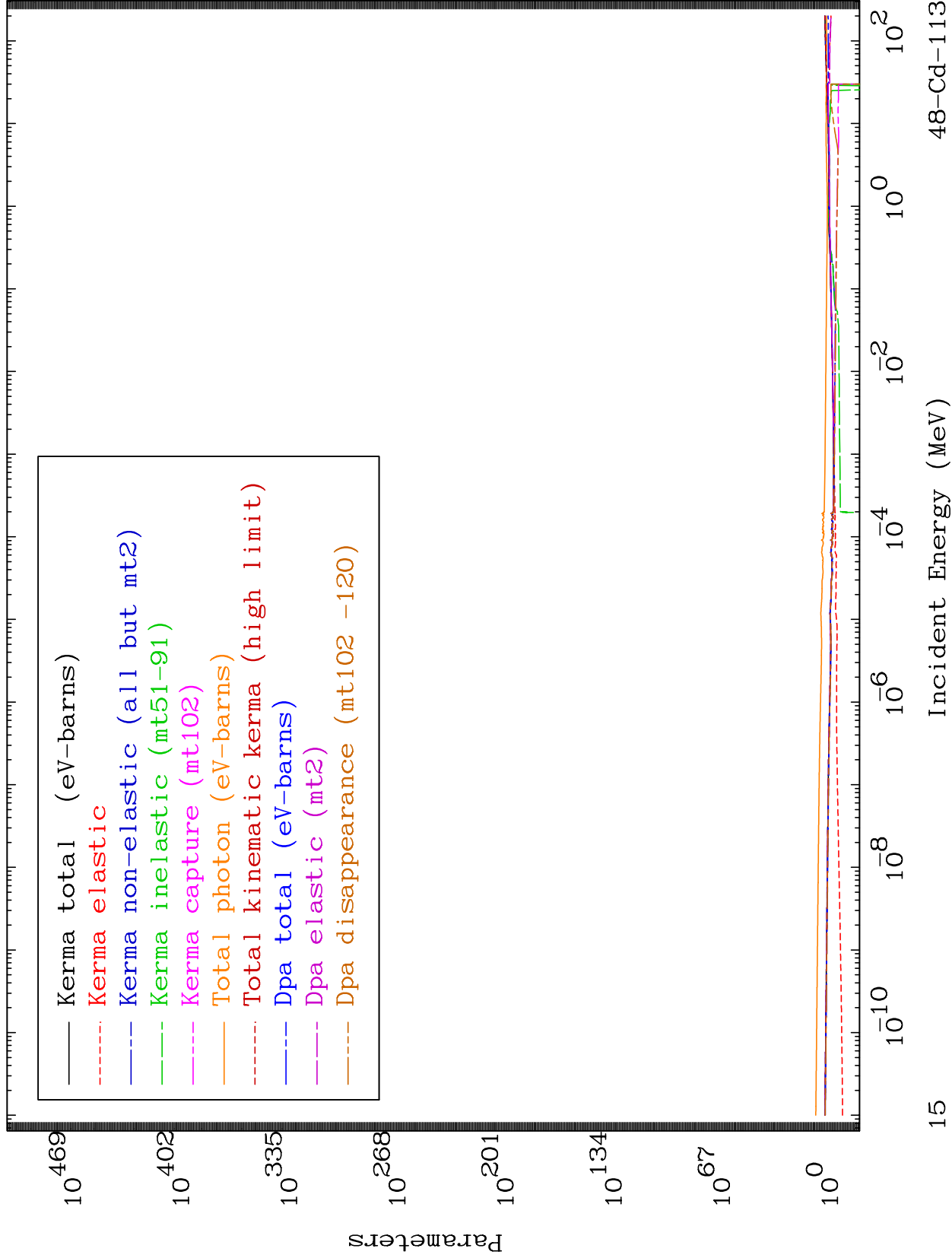
13

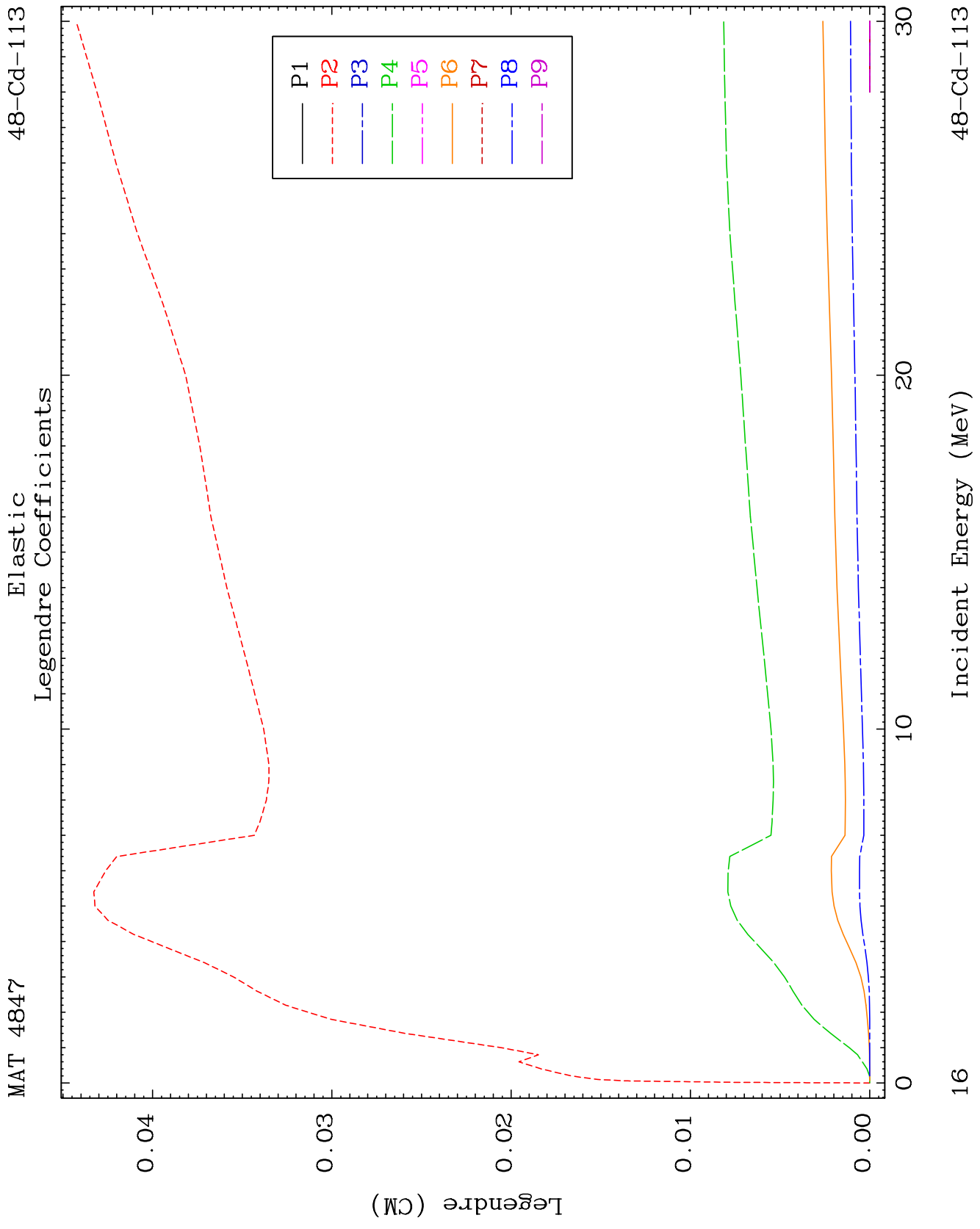
MAT 4847

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-113



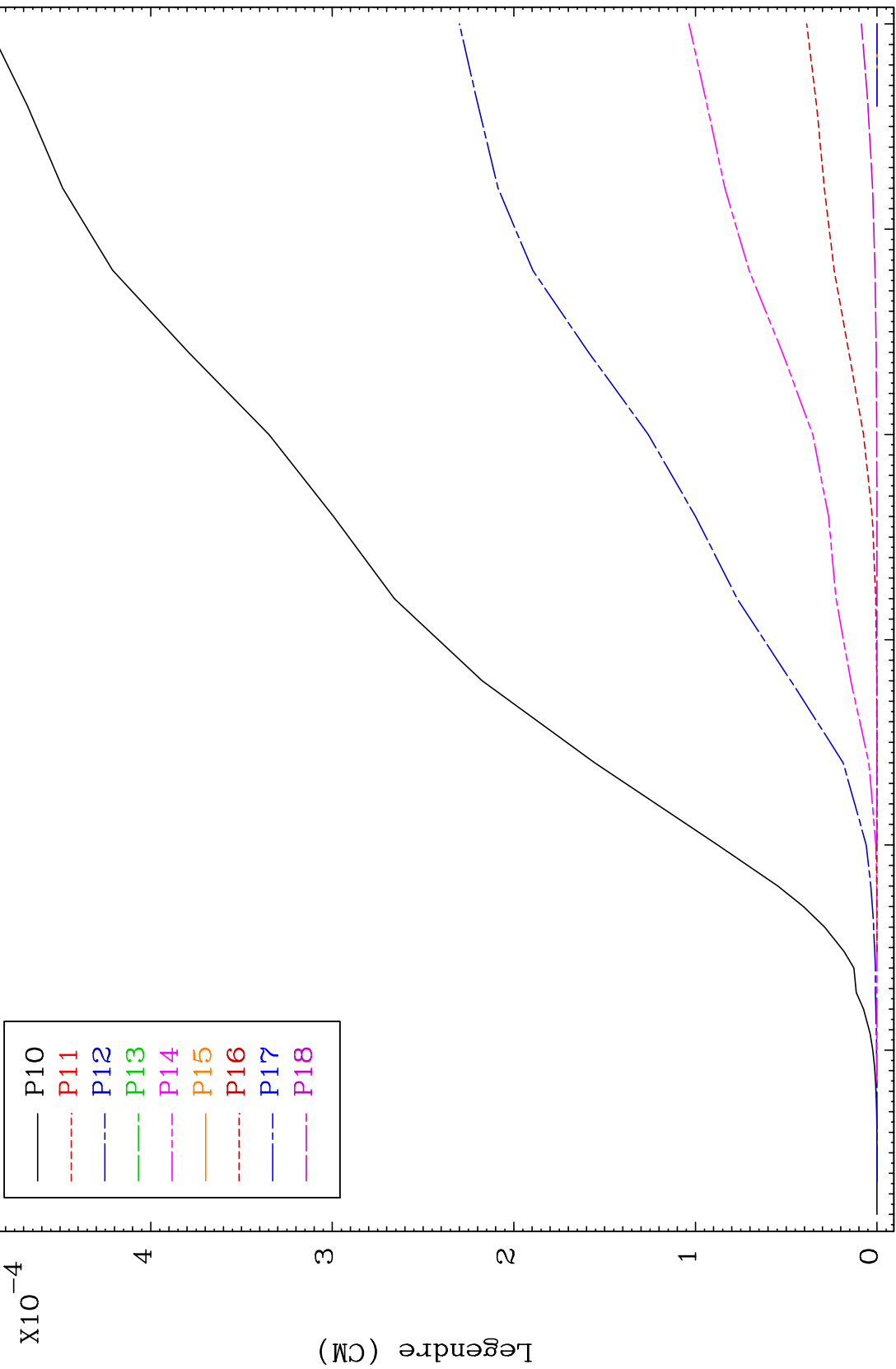
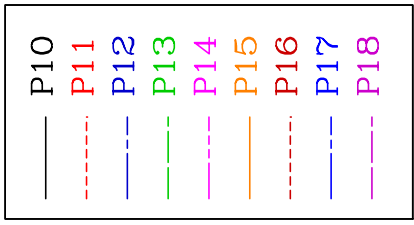




MAT 4847

Elastic Legendre Coefficients

48-Cd-113



17

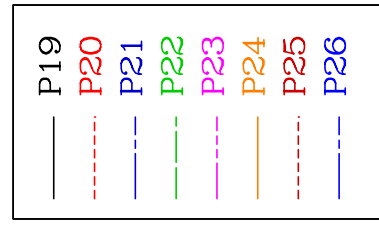
Incident Energy (MeV)

48-Cd-113

MAT 4847

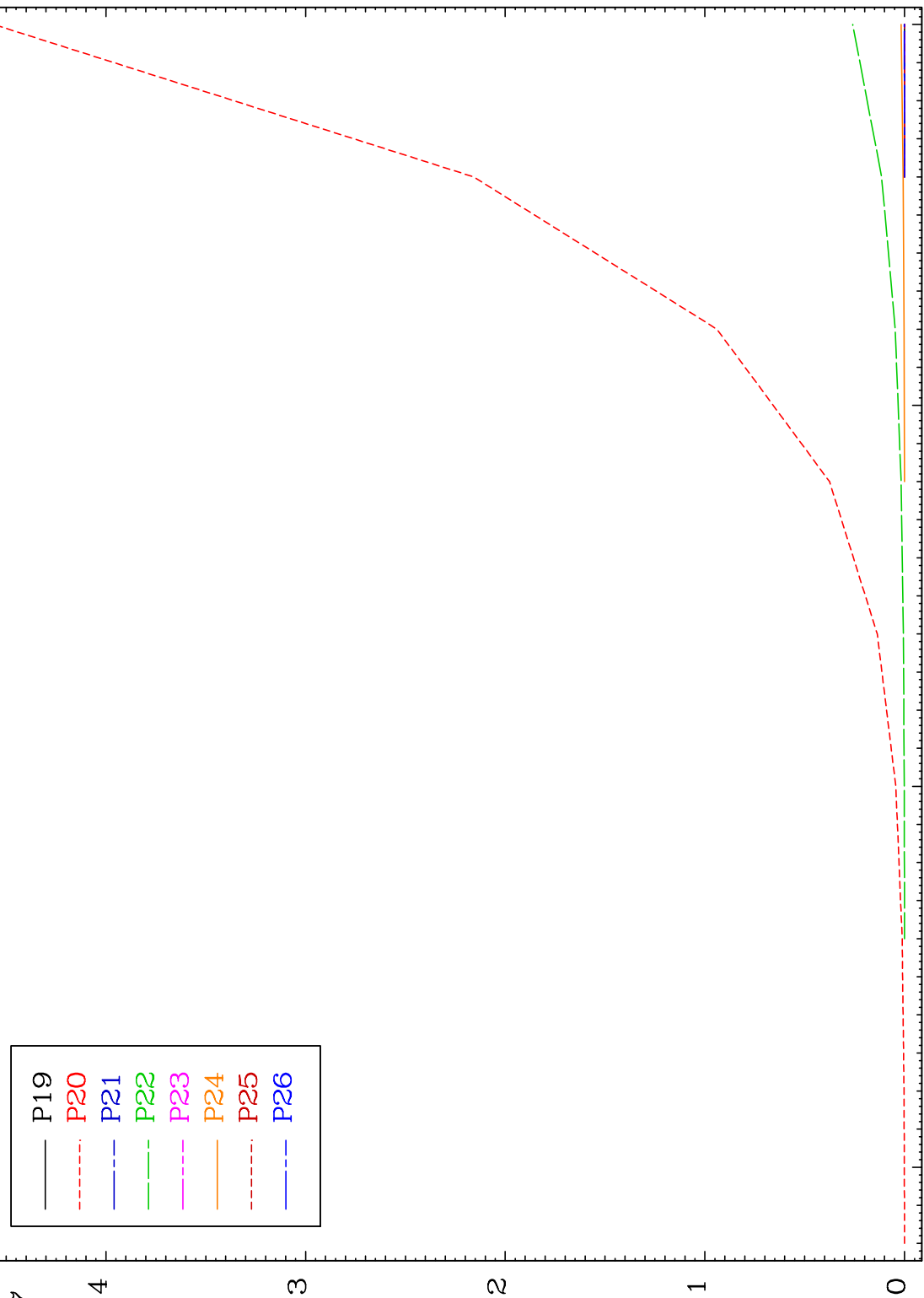
Elastic Legendre Coefficients

48-Cd-113



$\times 10^{-7}$

Legendre (CM)



18

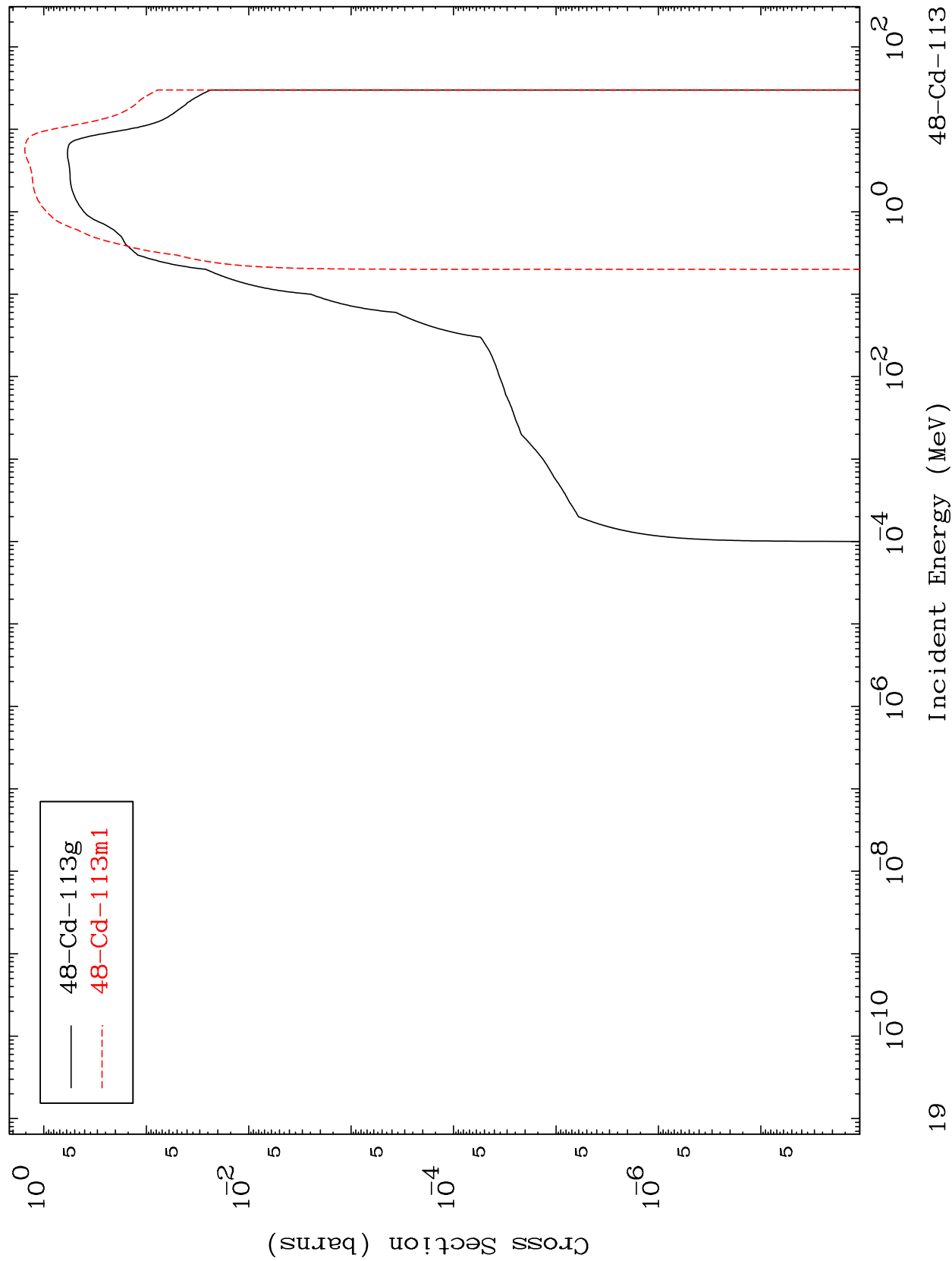
Incident Energy (MeV)

48-Cd-113

MAT 4847

48-Cd-113

Inelastic
Radionuclide Production Cross Section

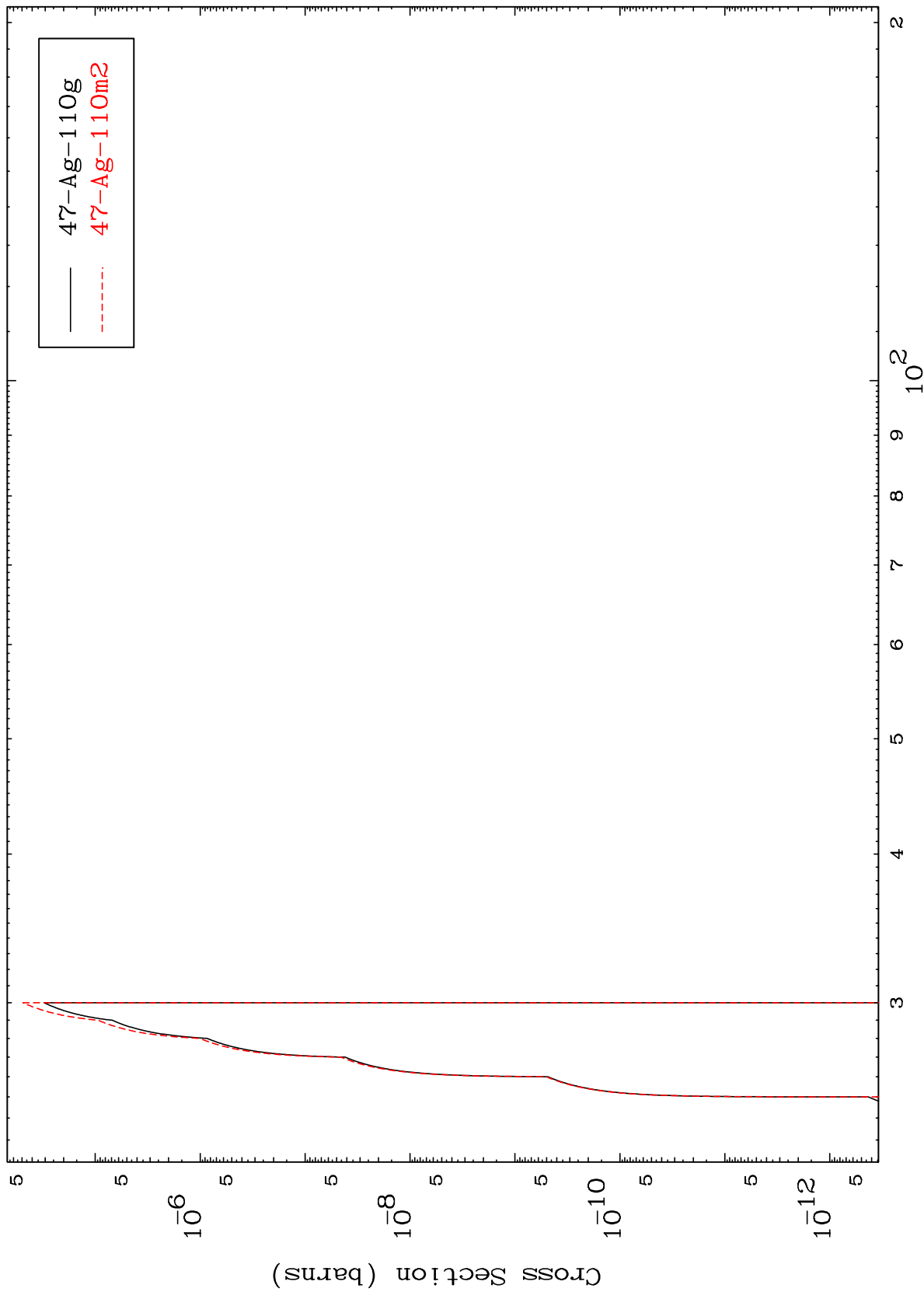


MAT 4847

(n,2n) d

48-Cd-113

Radionuclide Production Cross Section



20

Incident Energy (MeV)

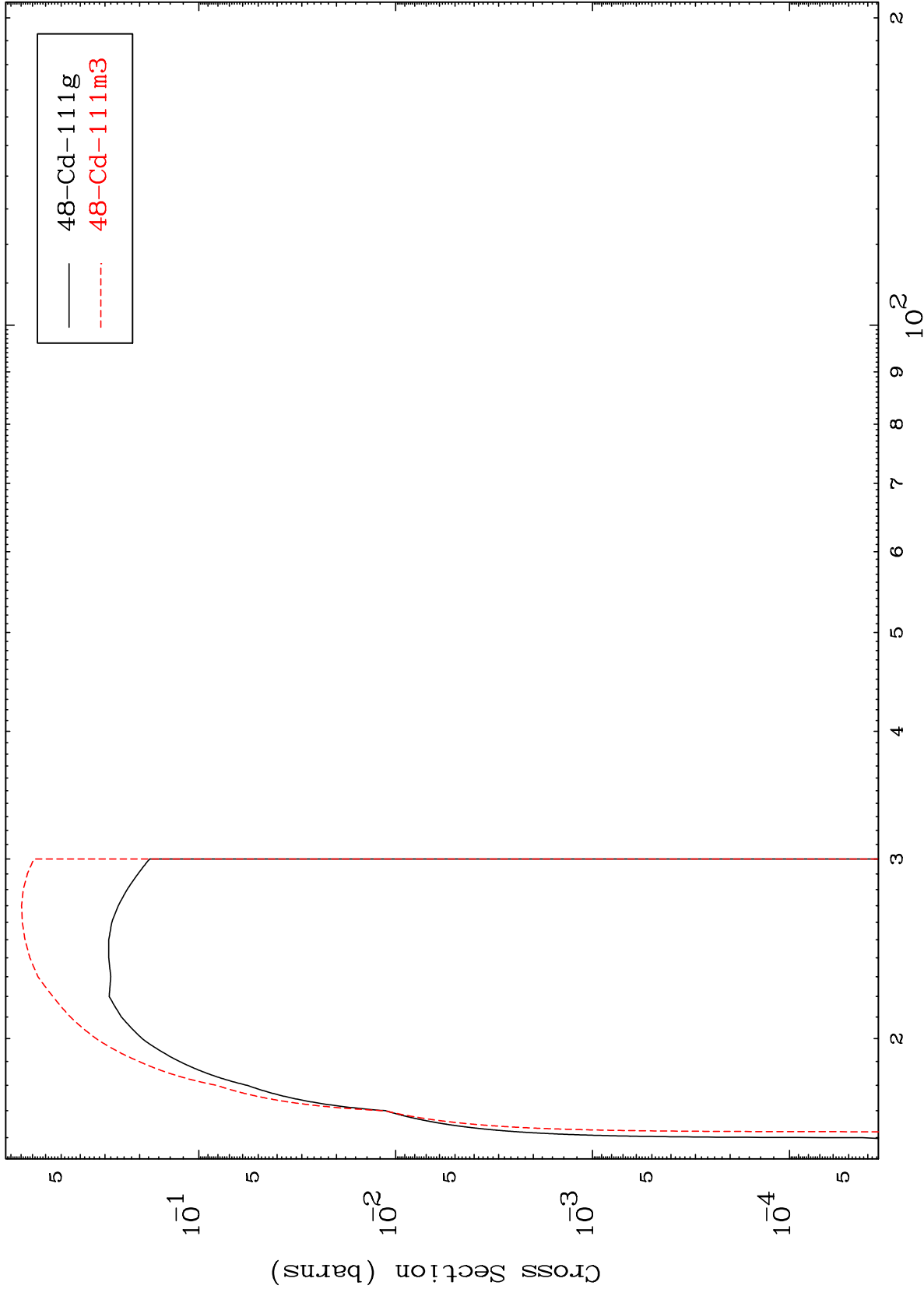
48-Cd-113

MAT 4847

(n,3n)

48-Cd-113

Radionuclide Production Cross Section

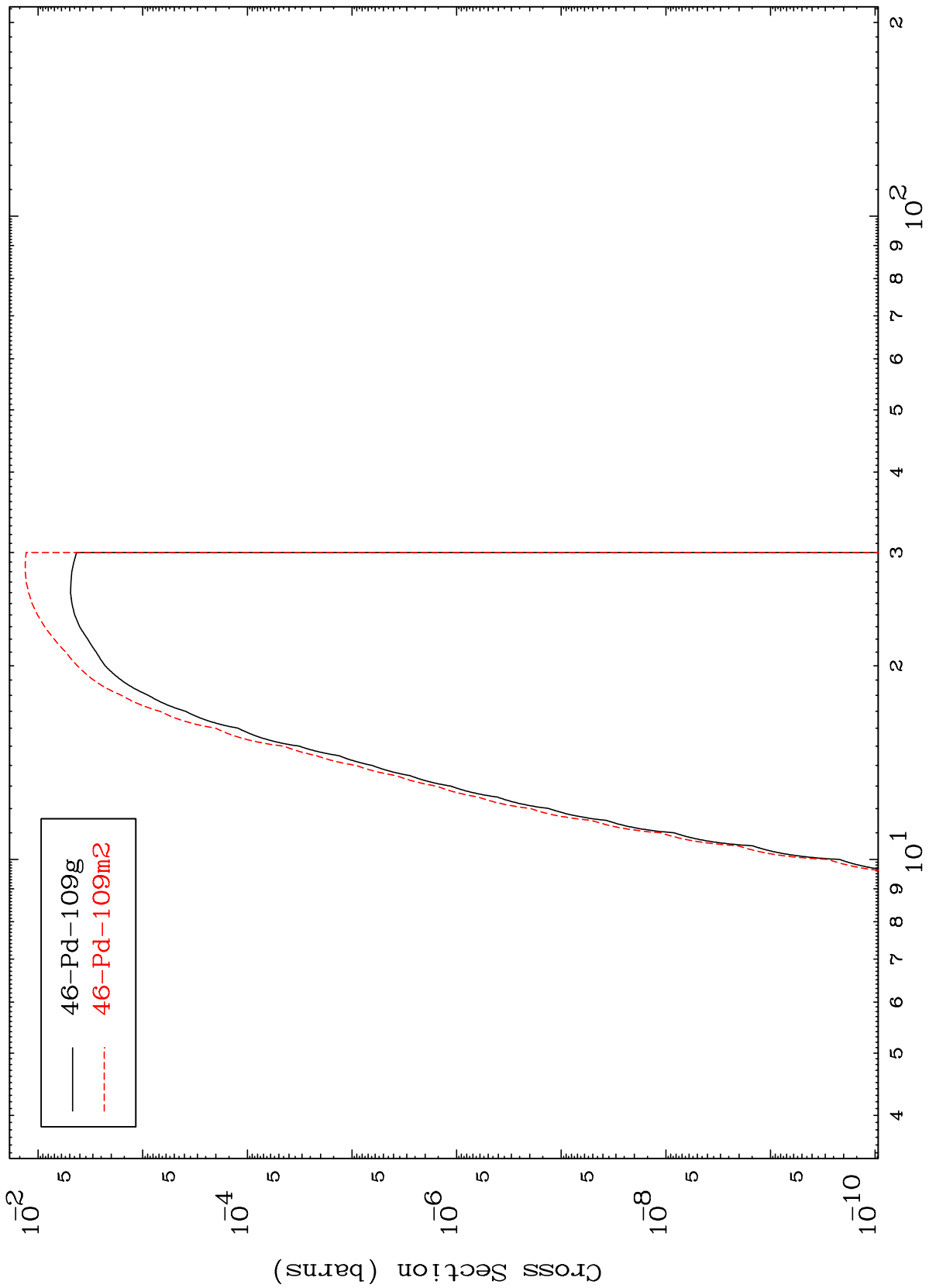


MAT 4847

(n,n') α

48-Cd-113

Radionuclide Production Cross Section



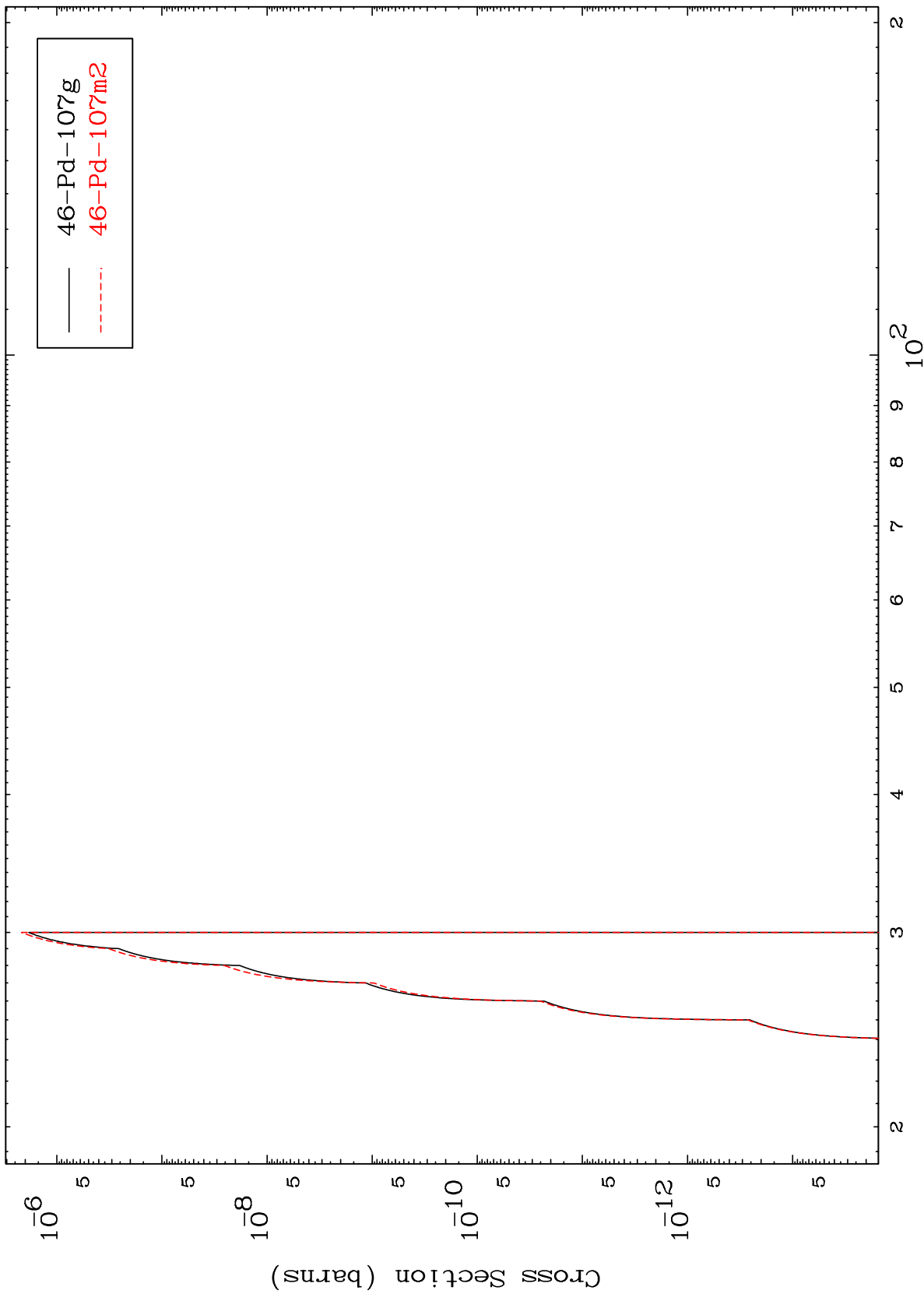
— 46-Pd-109g
- - - 46-Pd-109m2

MAT 4847

(n,3n) α

48-Cd-113

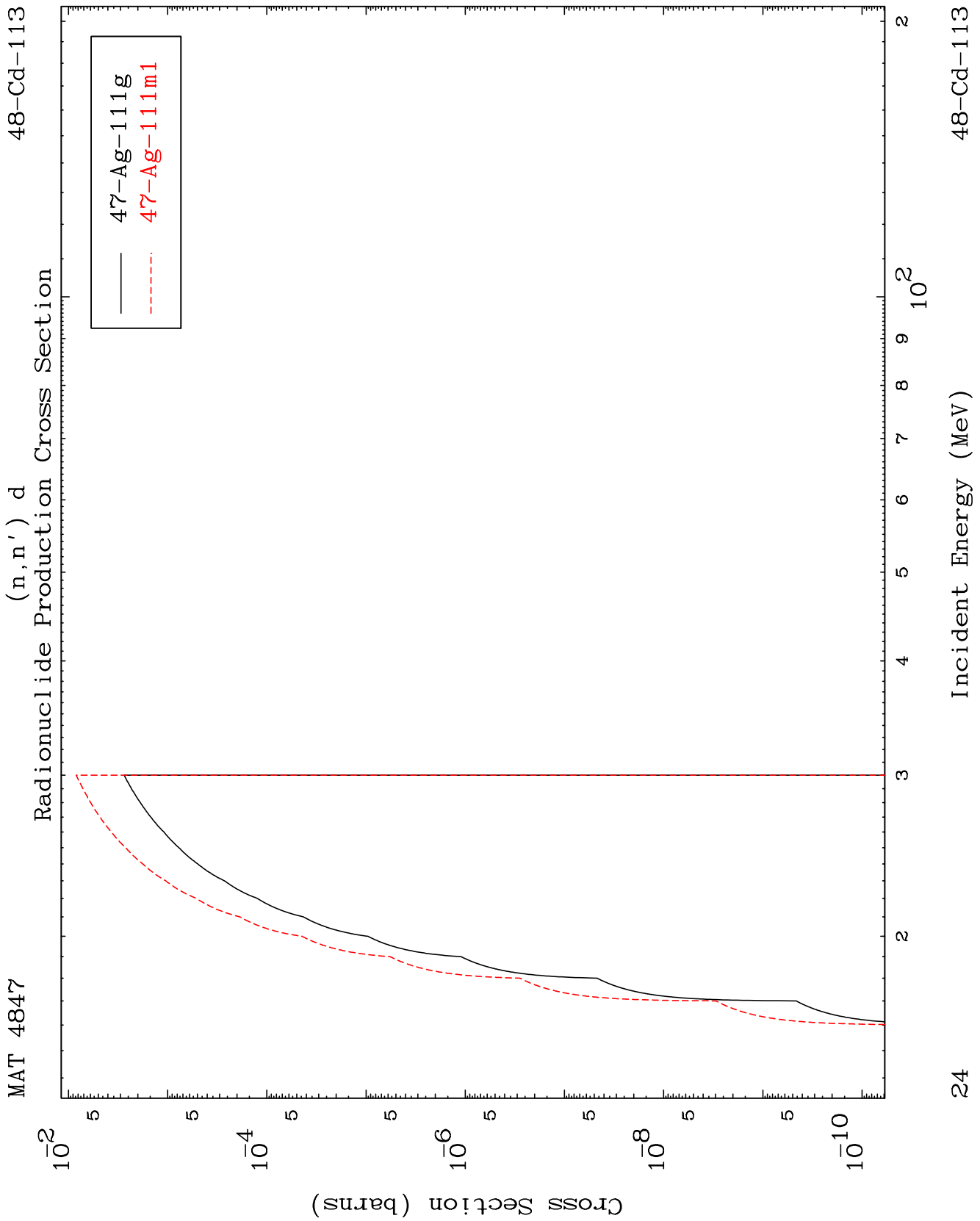
Radionuclide Production Cross Section



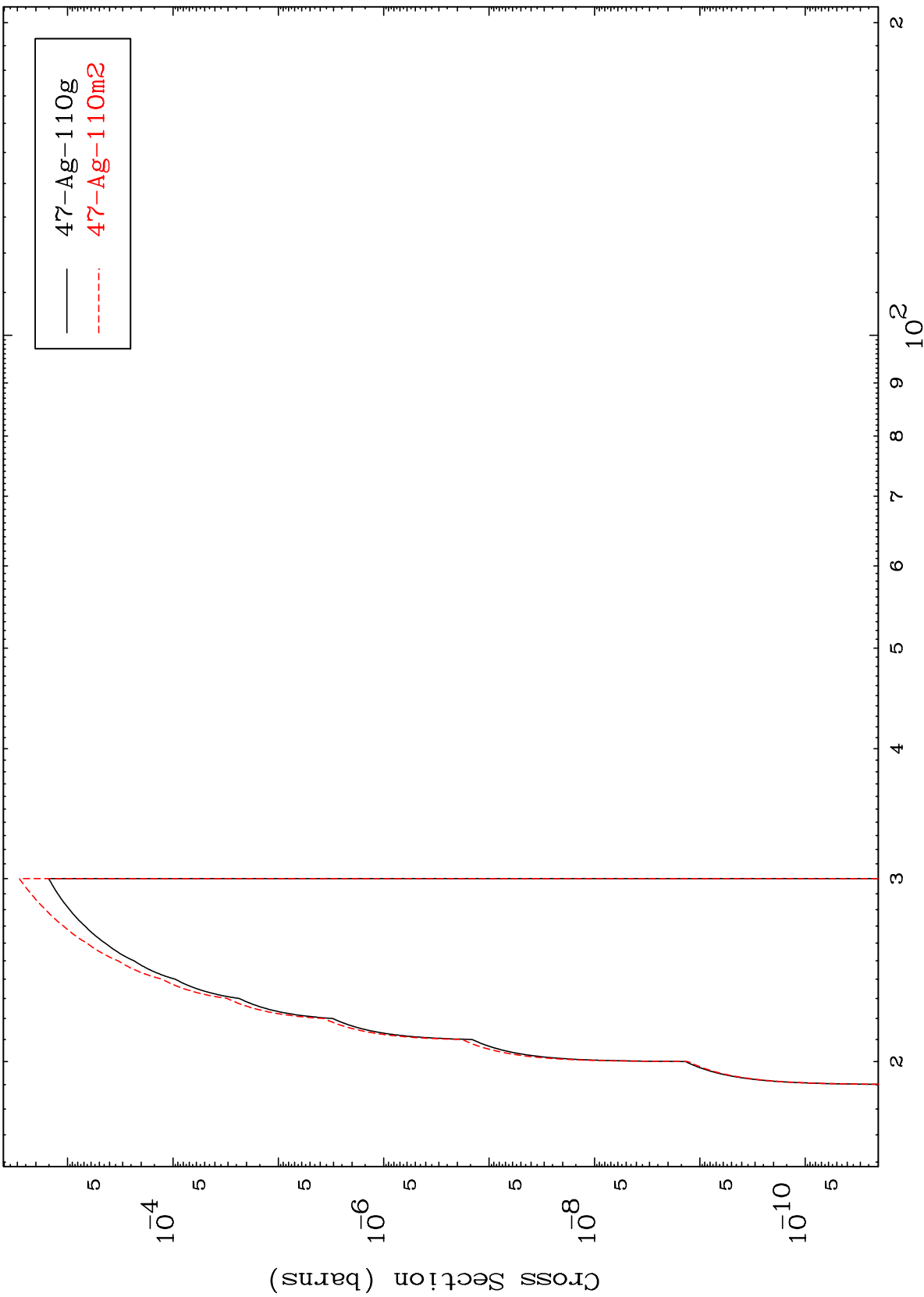
23

Incident Energy (MeV)

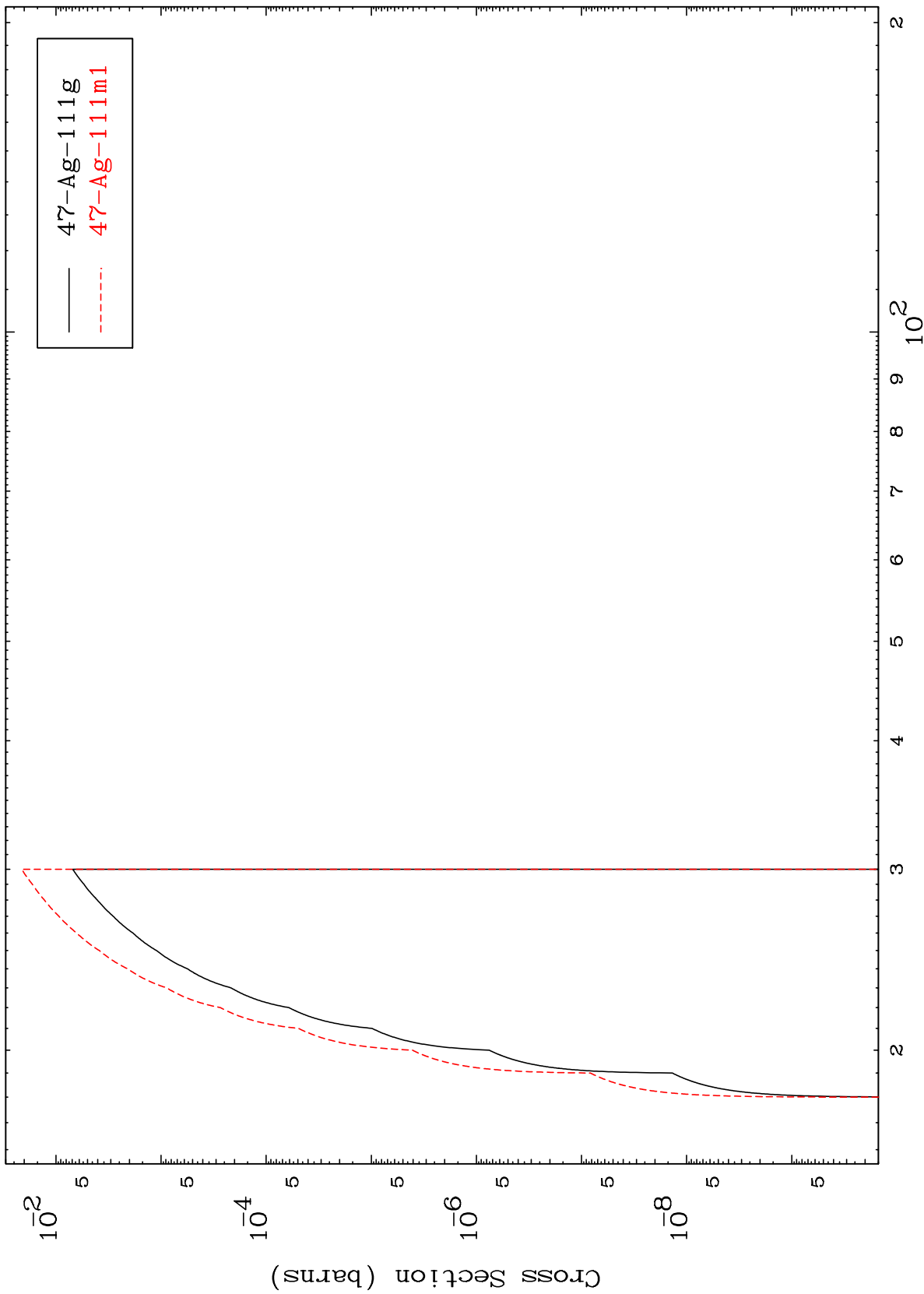
48-Cd-113



Radionuclide Production Cross Section



Radionuclide Production Cross Section

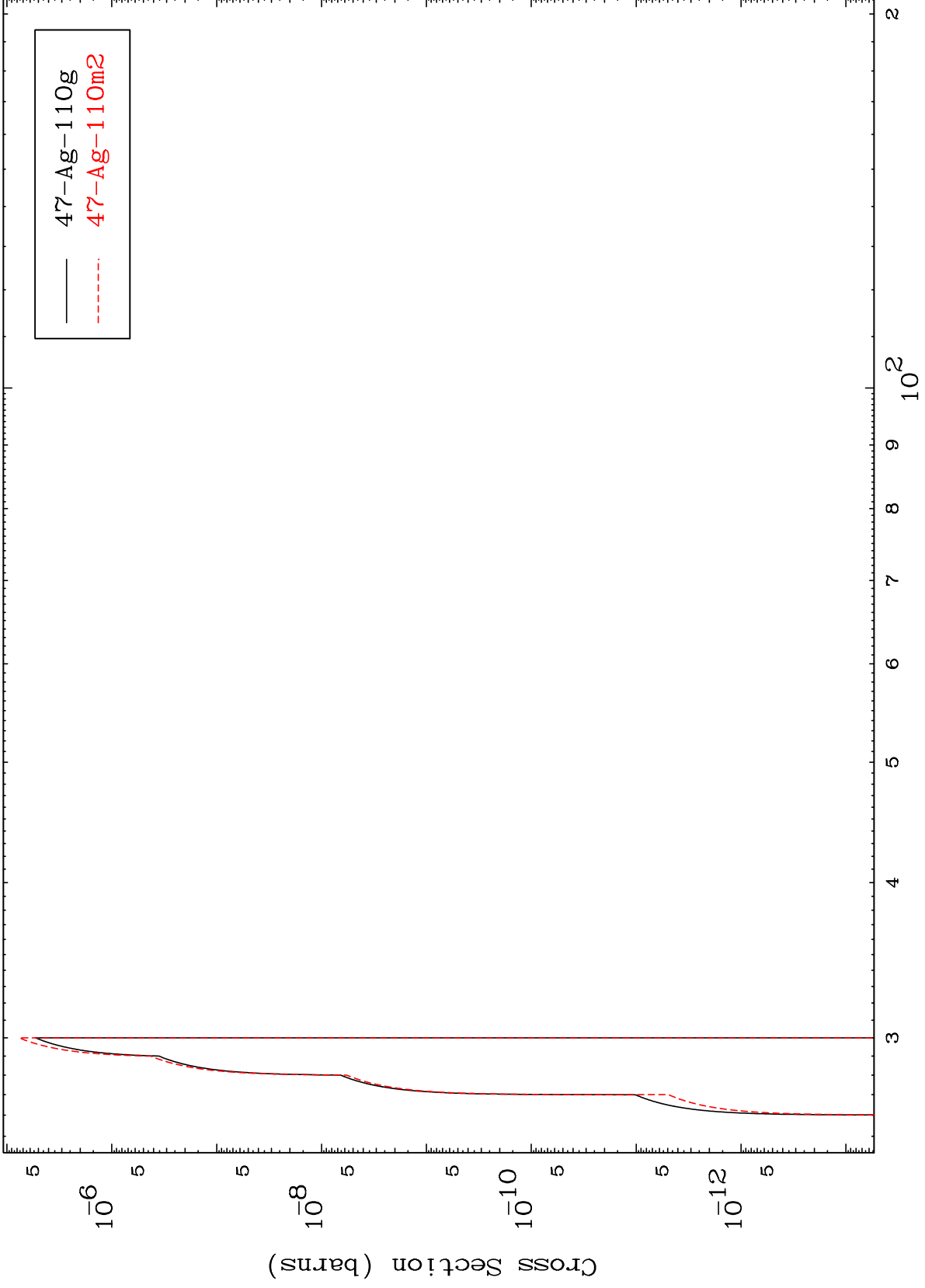


MAT 4847

(n,3n) p

48-Cd-113

Radionuclide Production Cross Section



27

Incident Energy (MeV)

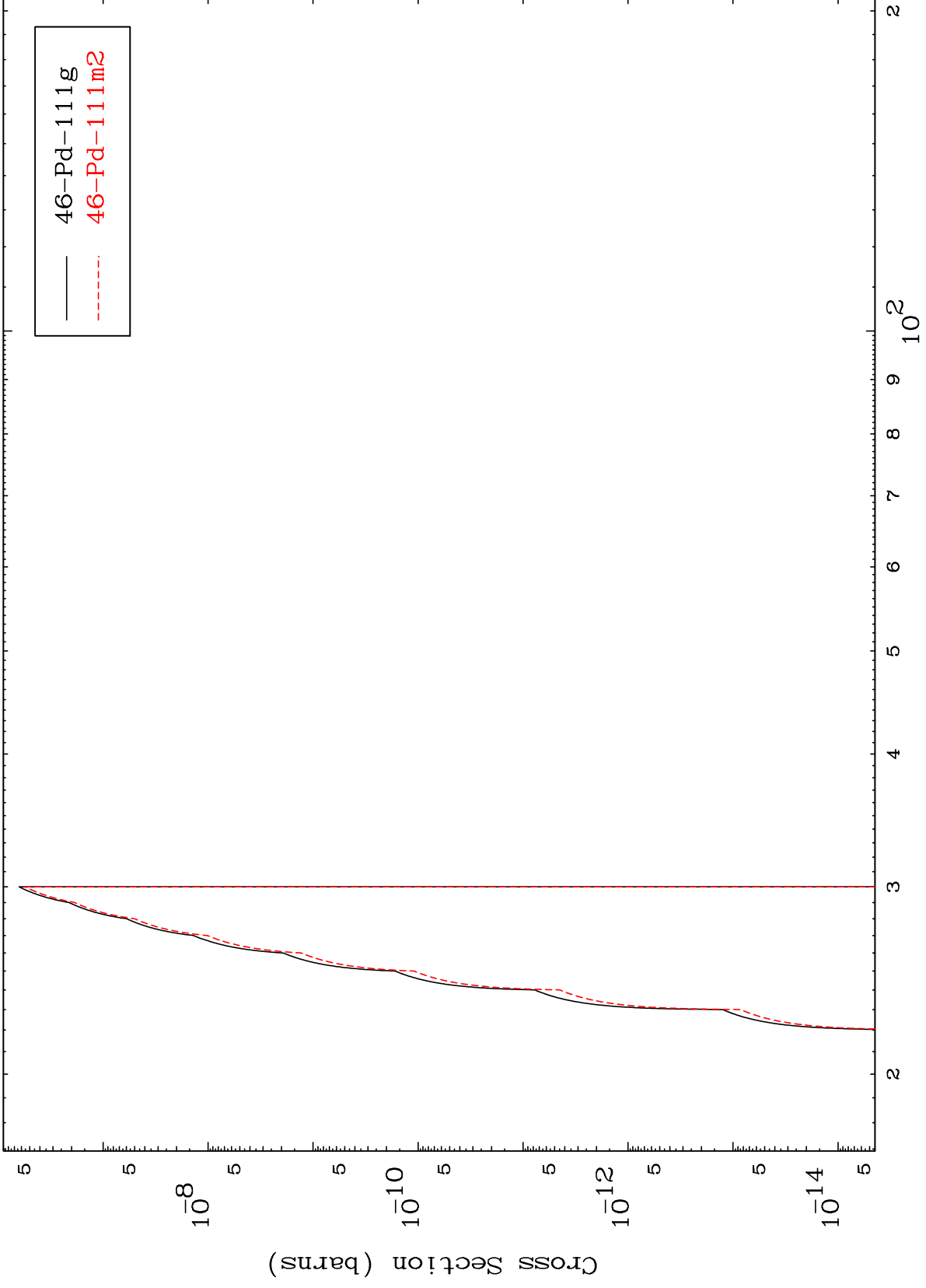
48-Cd-113

MAT 4847

(n,2n) p

48-Cd-113

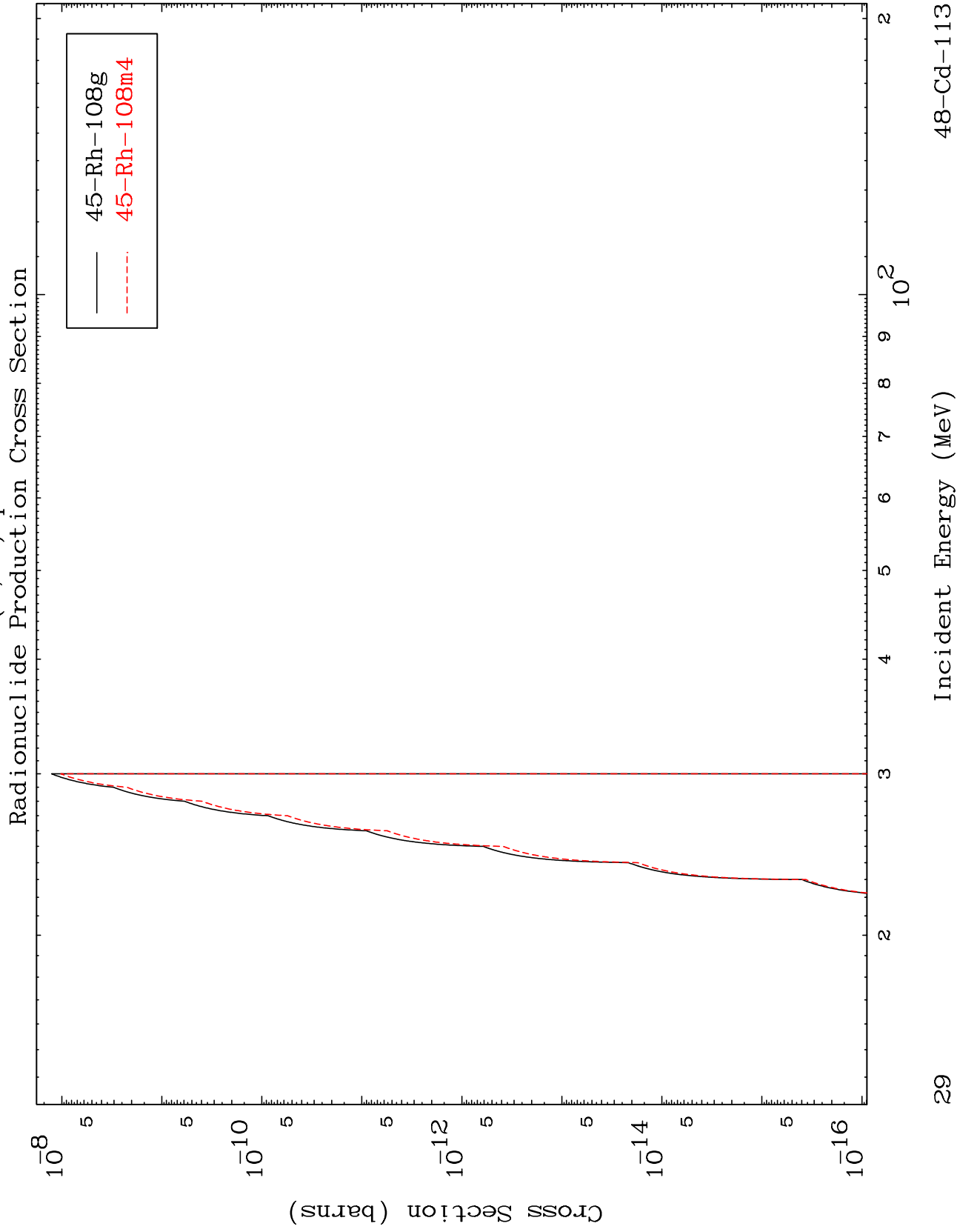
Radionuclide Production Cross Section



28

Incident Energy (MeV)

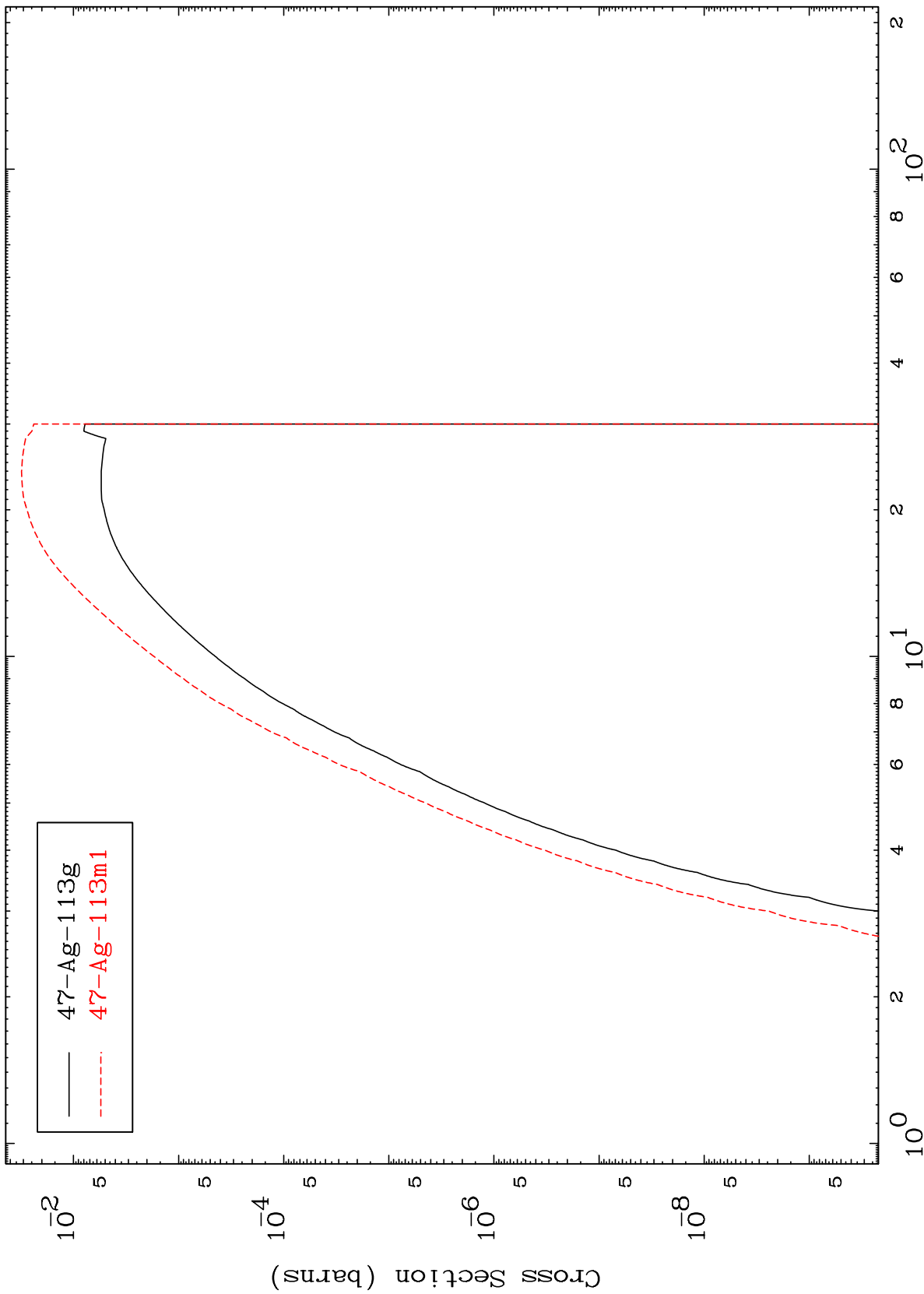
48-Cd-113



MAT 4847

48-Cd-113

(n,p)
Radionuclide Production Cross Section



— 47-Ag-113g
- - - 47-Ag-113m1

48-Cd-113

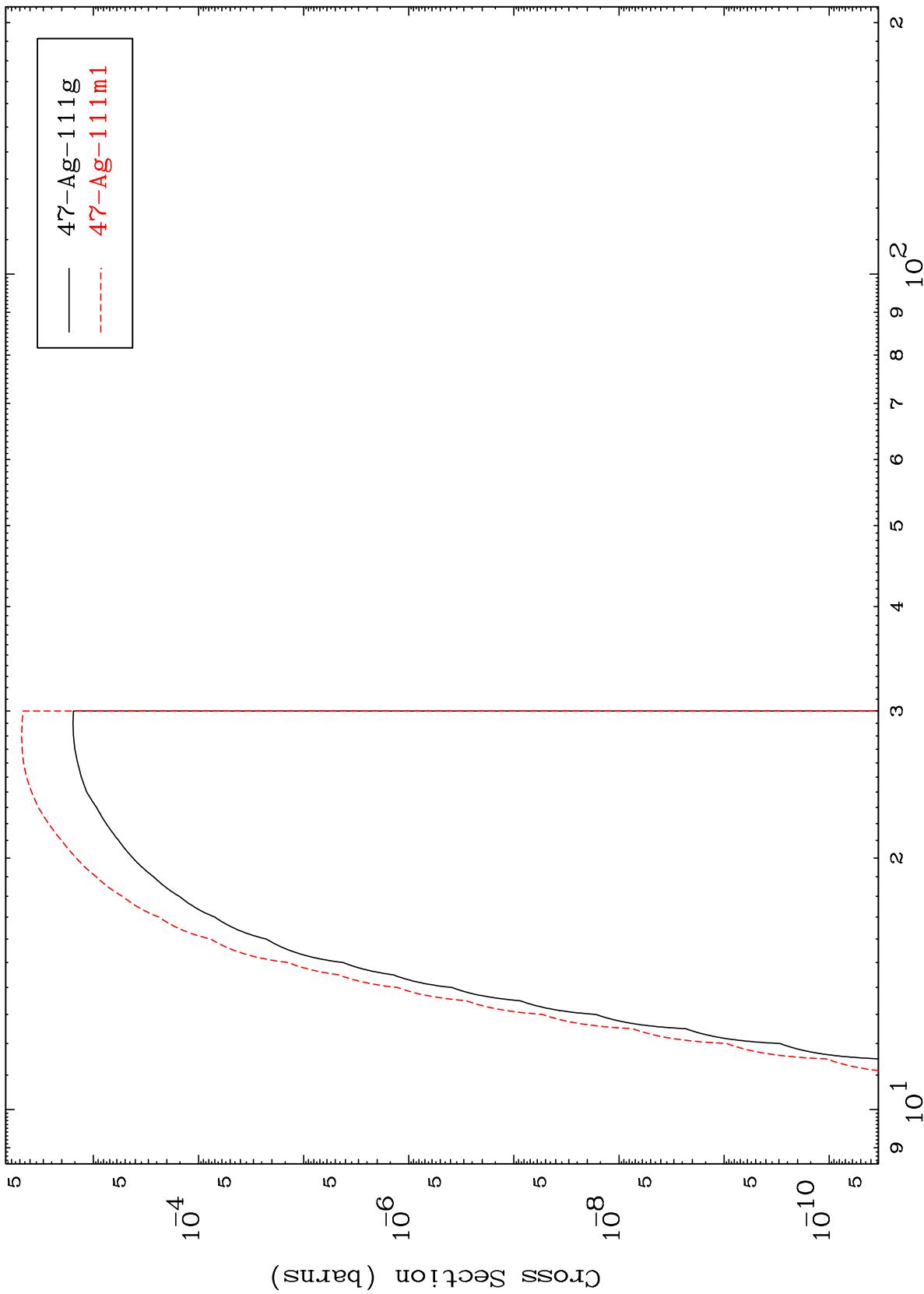
Incident Energy (MeV)

30

MAT 4847

48-Cd-113

(n,t)
Radionuclide Production Cross Section



48-Cd-113

Incident Energy (MeV)

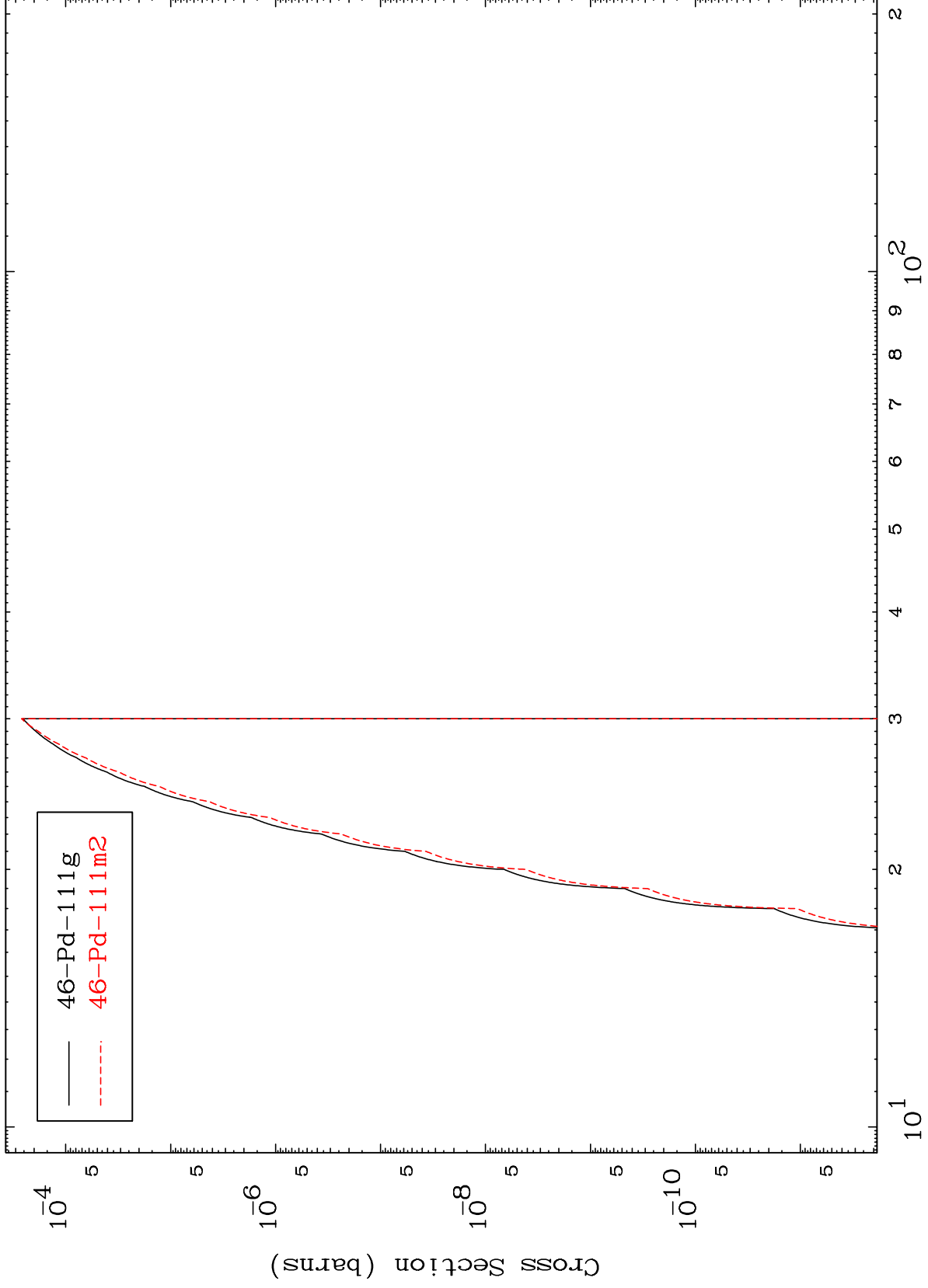
31

MAT 4847

(n,He-3)

48-Cd-113

Radionuclide Production Cross Section



32

Incident Energy (MeV)

48-Cd-113

