

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

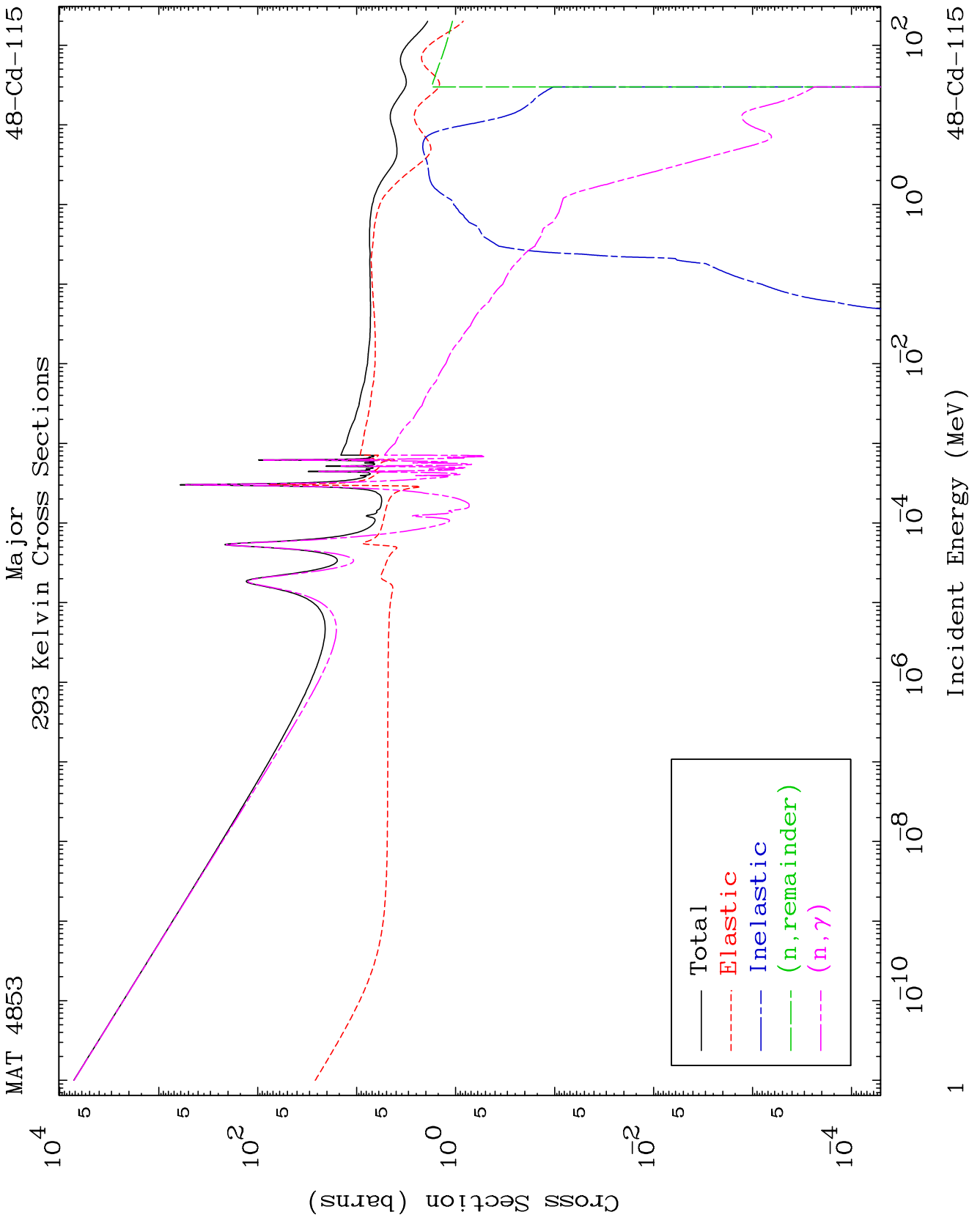
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

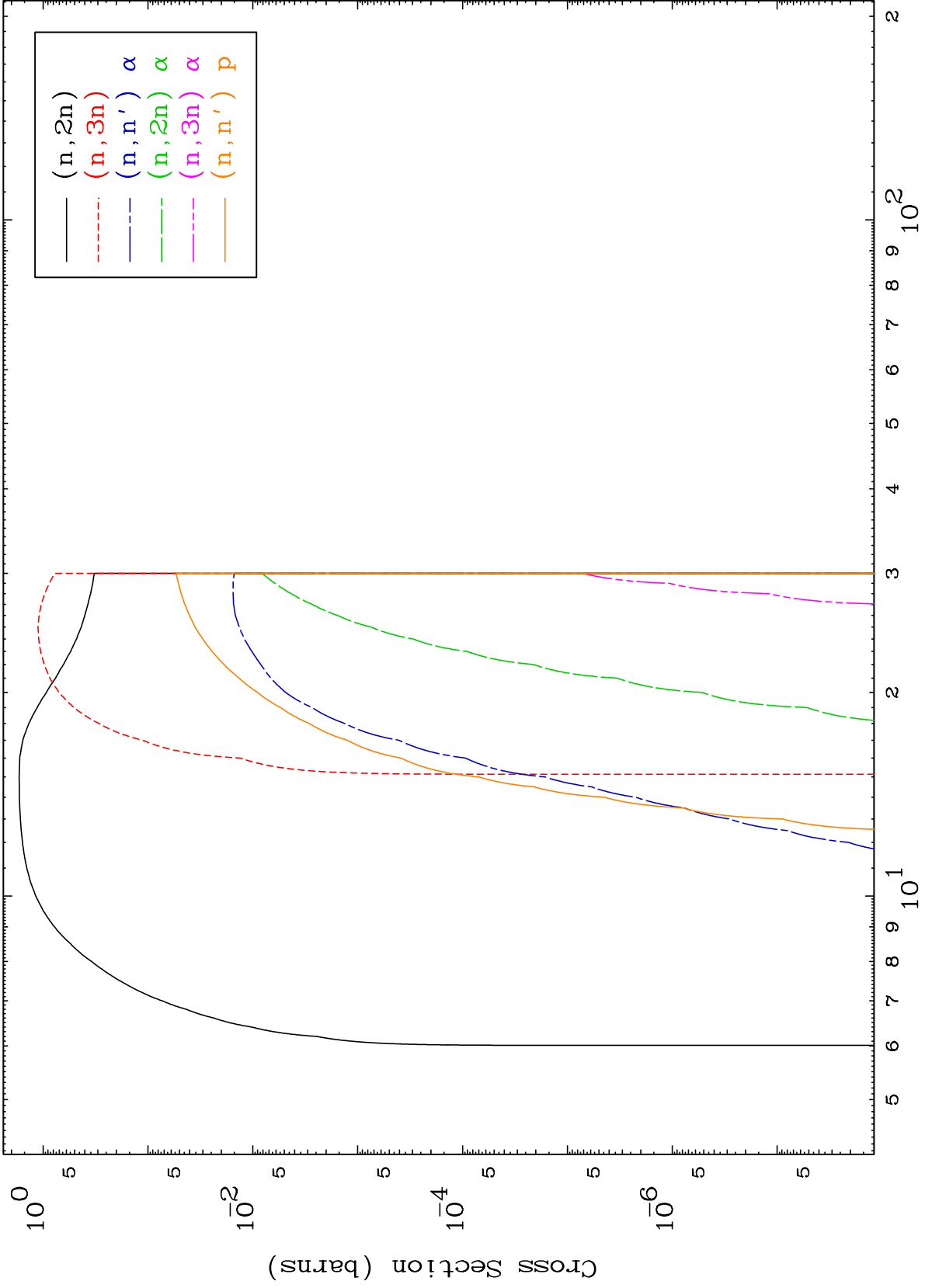
Press Mouse Button to Start

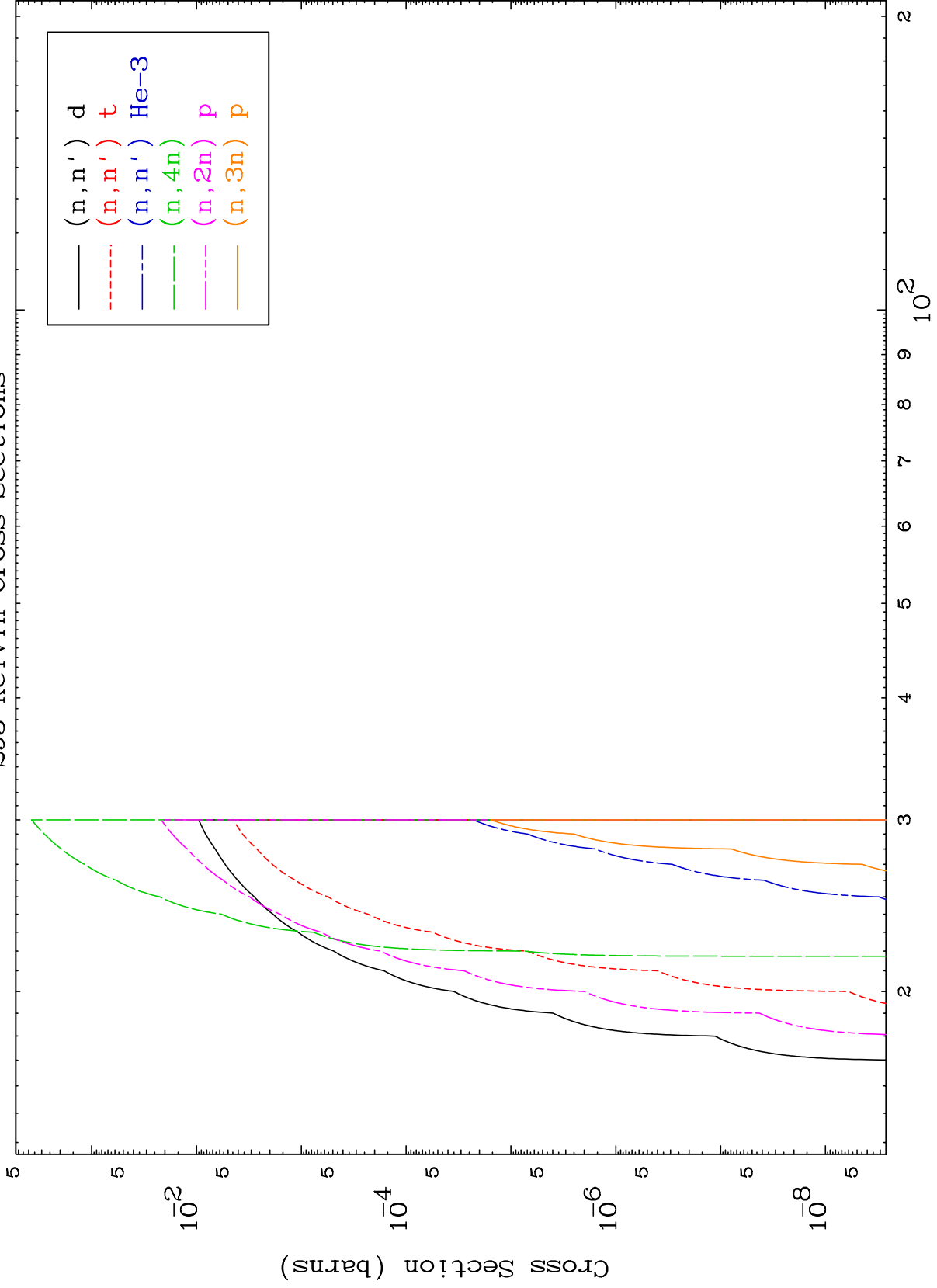


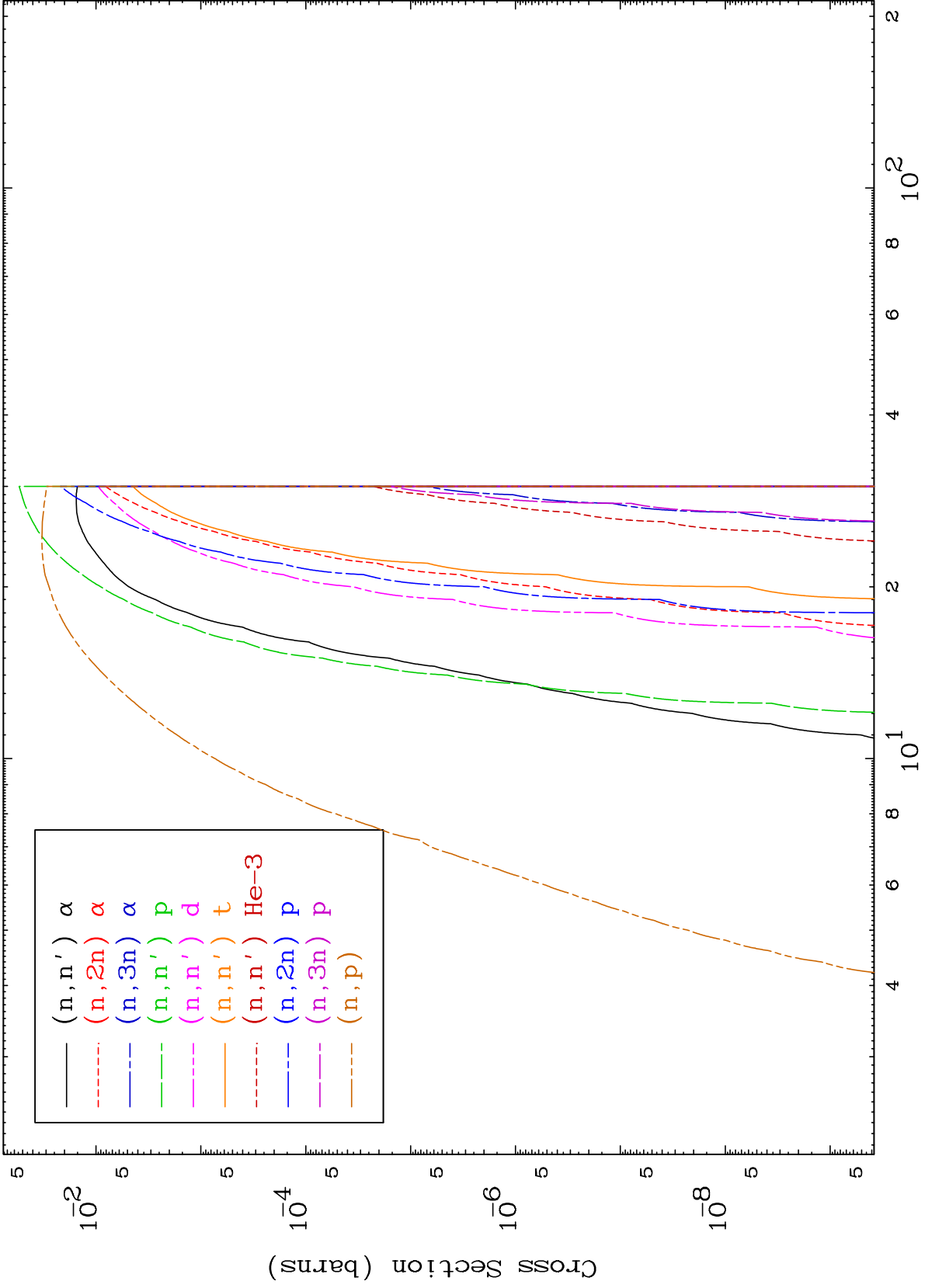
MAT 4853

Neutron Production
293 Kelvin Cross Sections

48-Cd-115



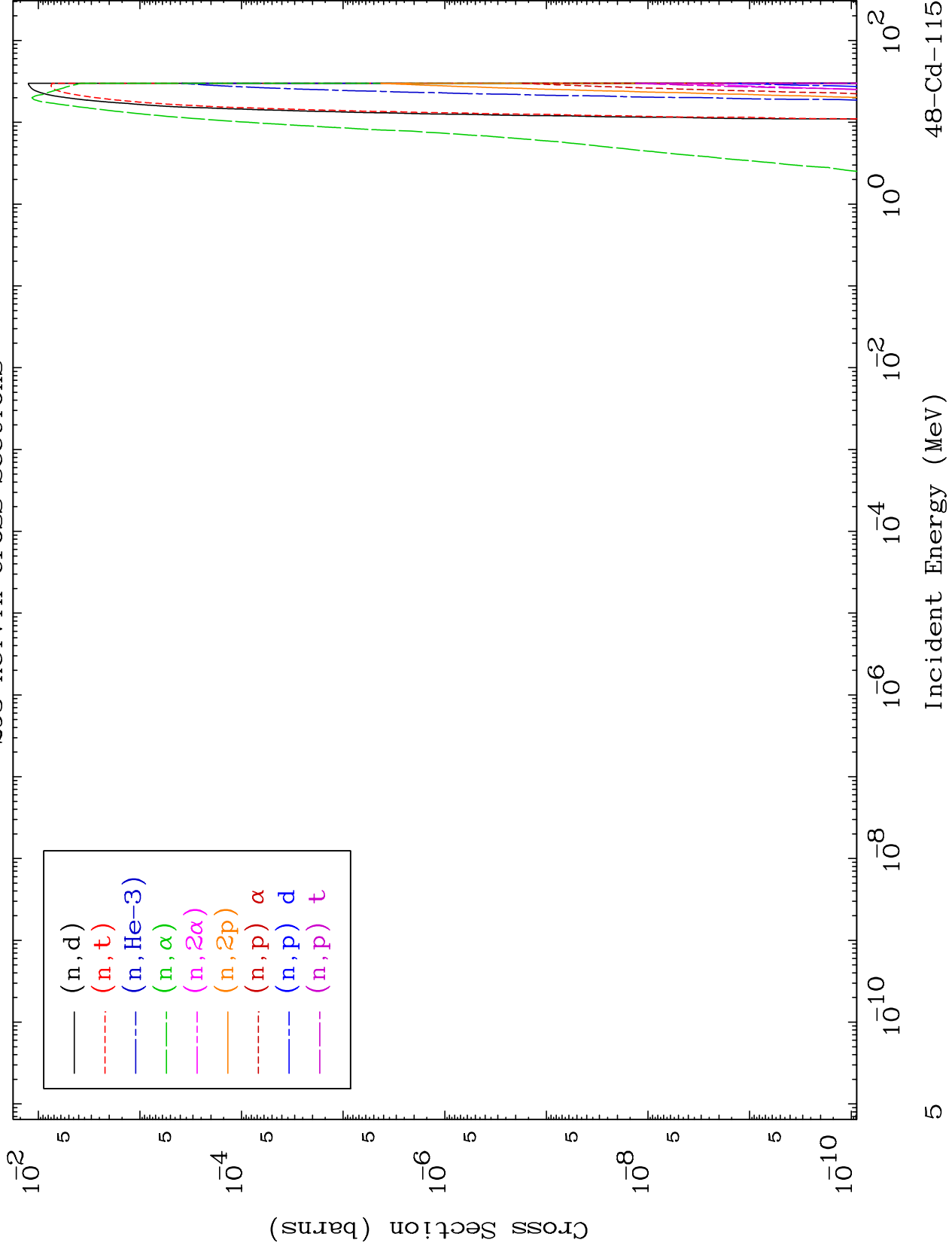




MAT 4853

Charged Particle
293 Kelvin Cross Sections

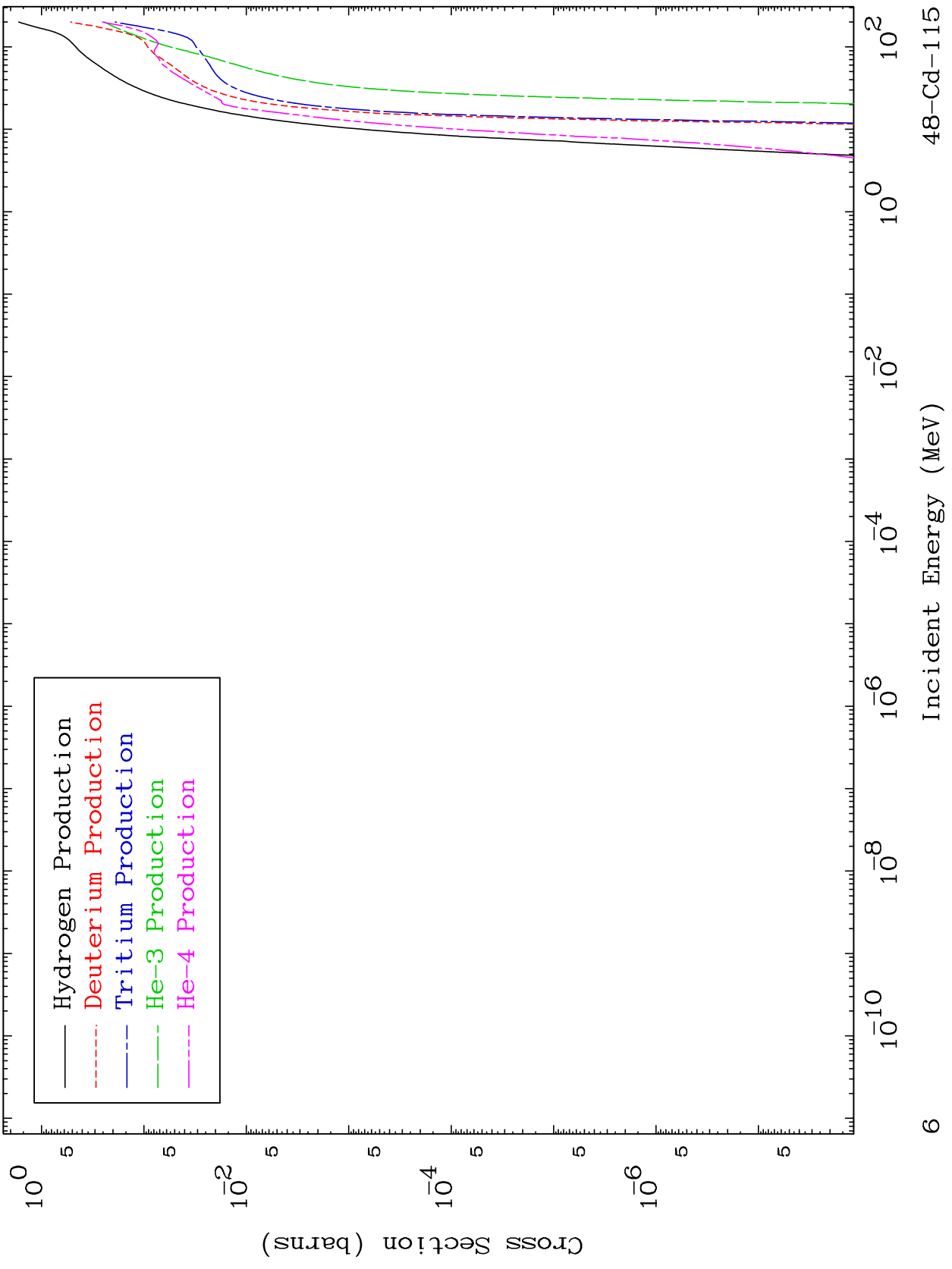
48-Cd-115



MAT 4853

Particle Production
293 Kelvin Cross Sections

48-Cd-115

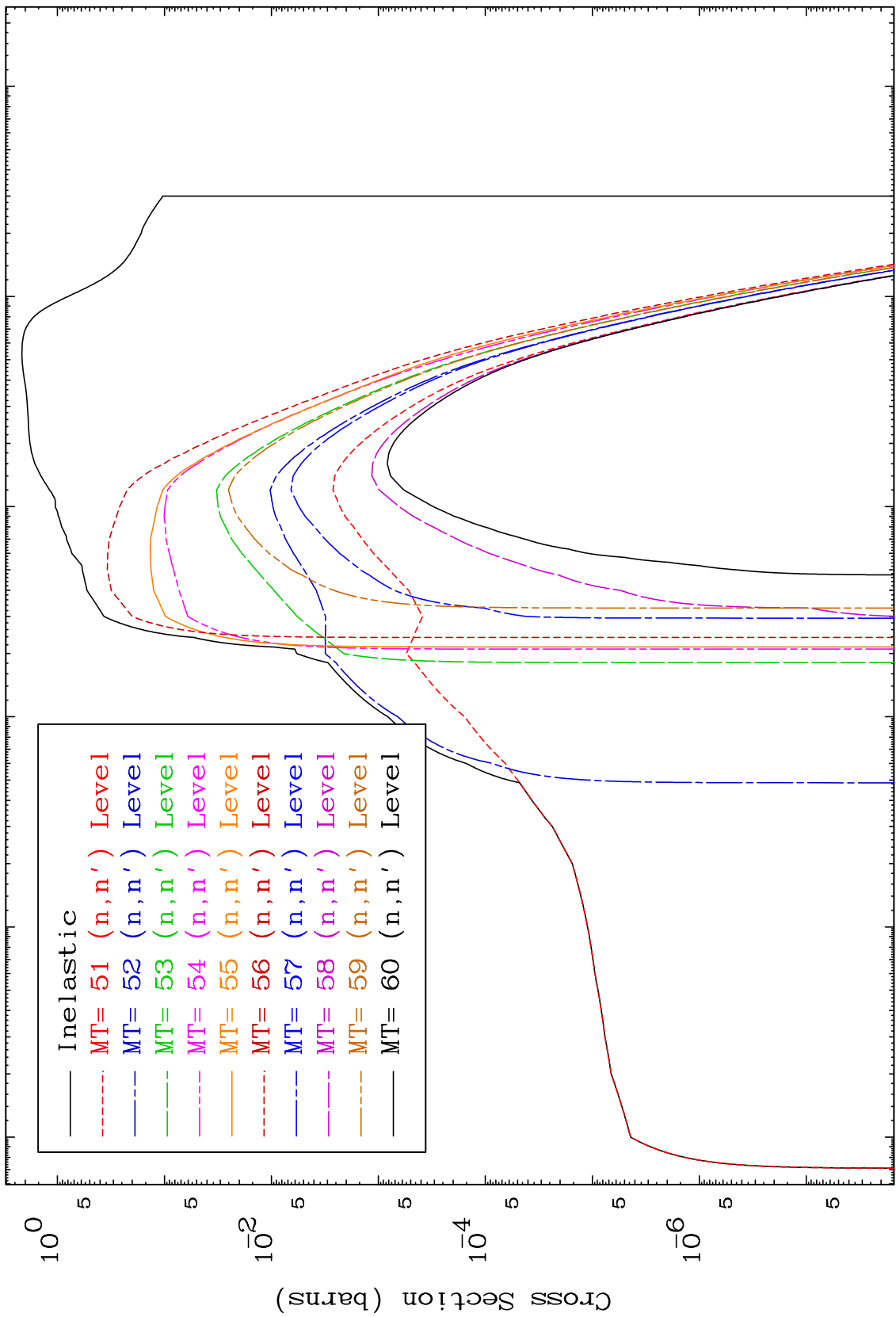


MAT 4853

(n,n') Level

48-Cd-115

293 Kelvin Cross Sections

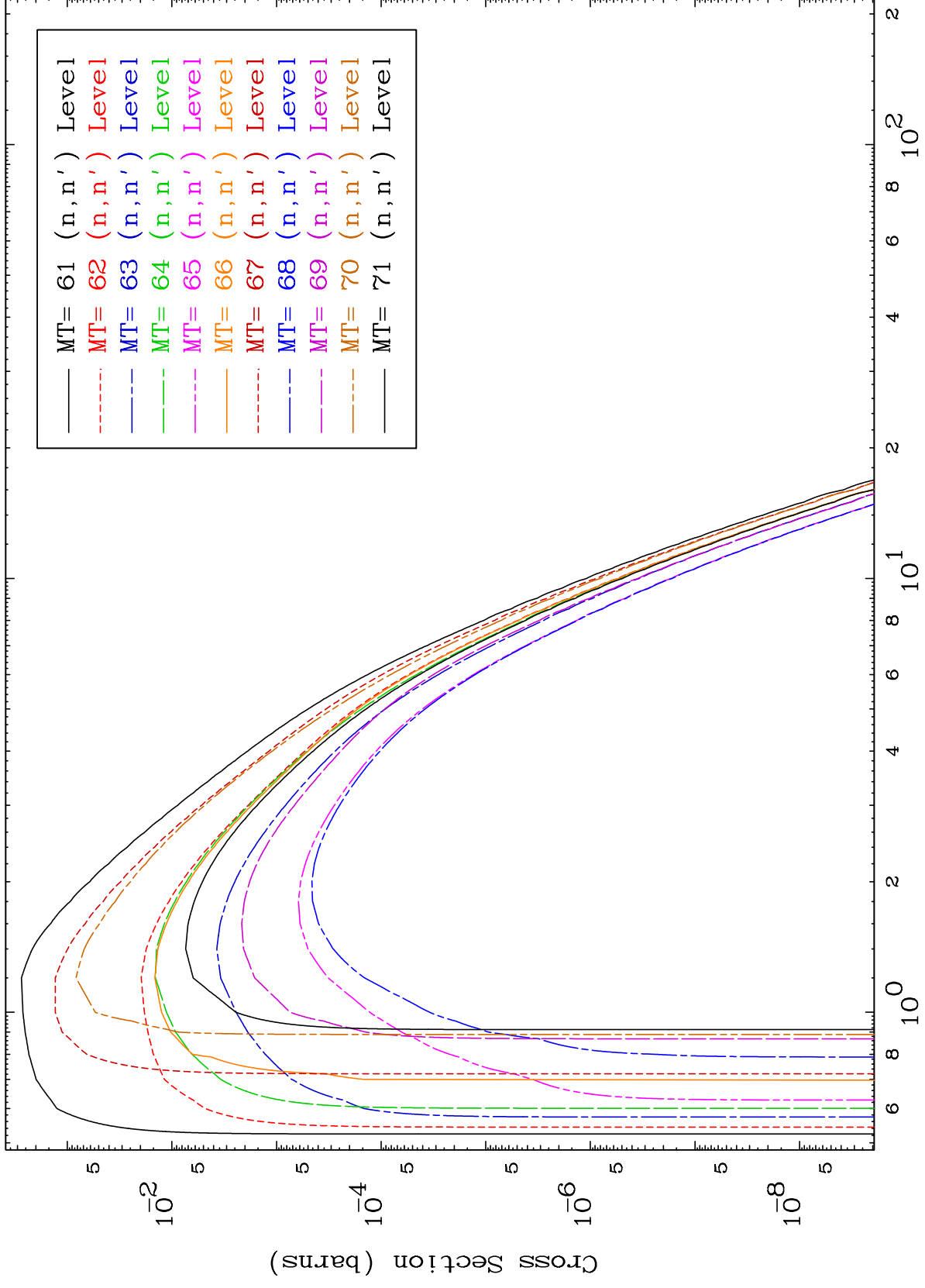


MAT 4853

(n,n') Level

48-Cd-115

293 Kelvin Cross Sections



Incident Energy (MeV)

48-Cd-115

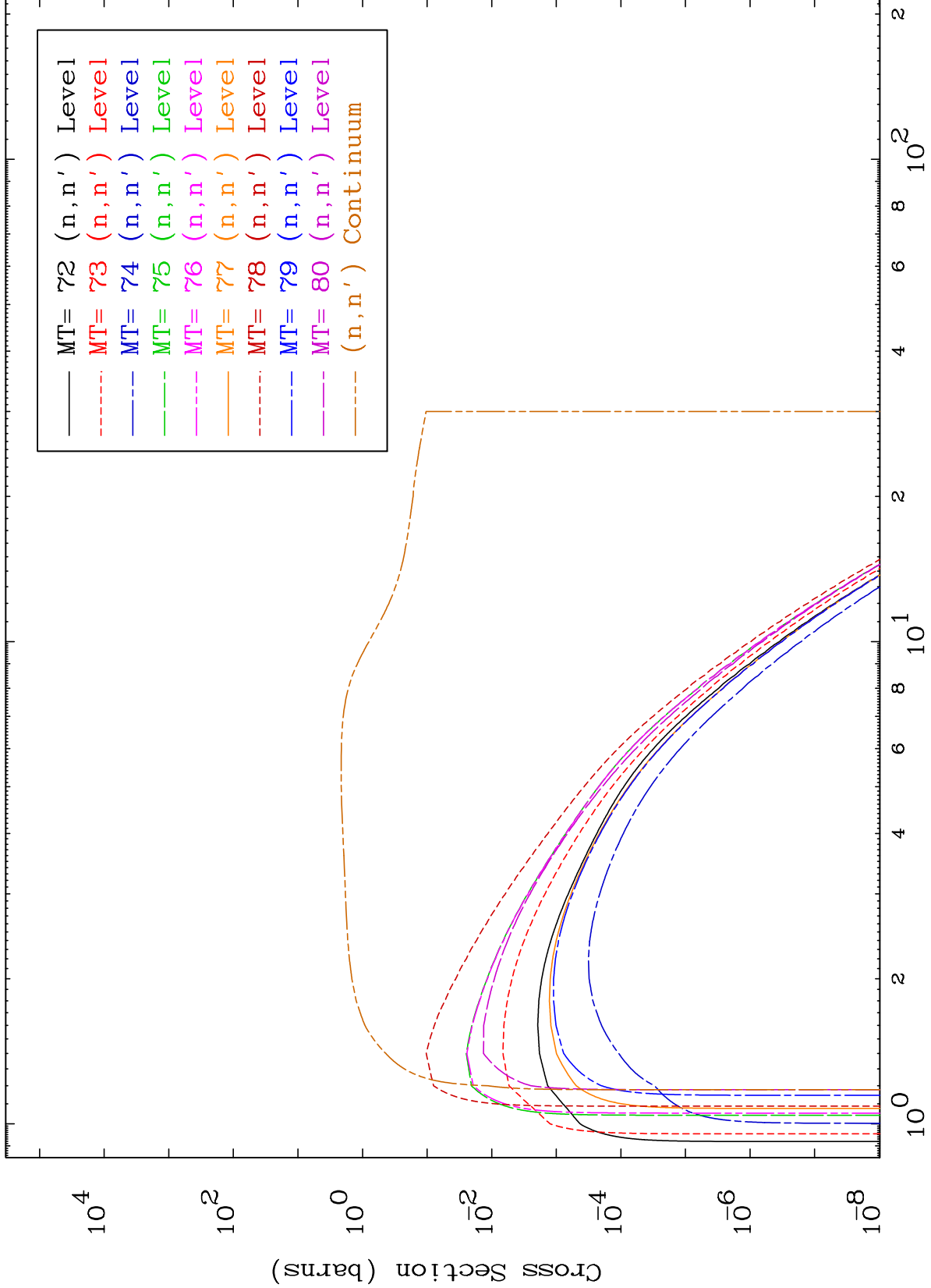
8

MAT 4853

(n,n') Level

48-Cd-115

293 Kelvin Cross Sections



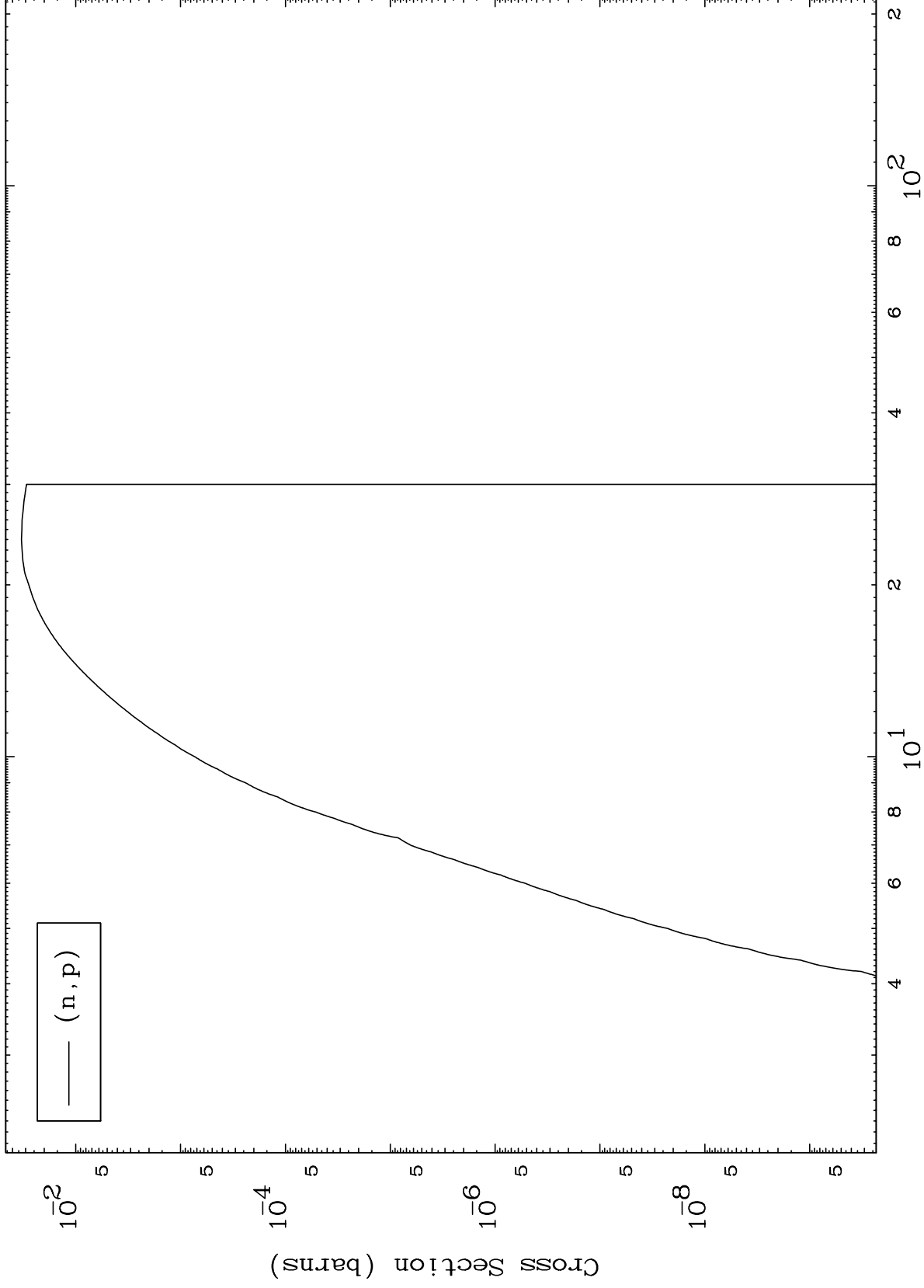
Incident Energy (MeV)

48-Cd-115

MAT 4853

(n,p) Levels
293 Kelvin Cross Sections

48-Cd-115



10

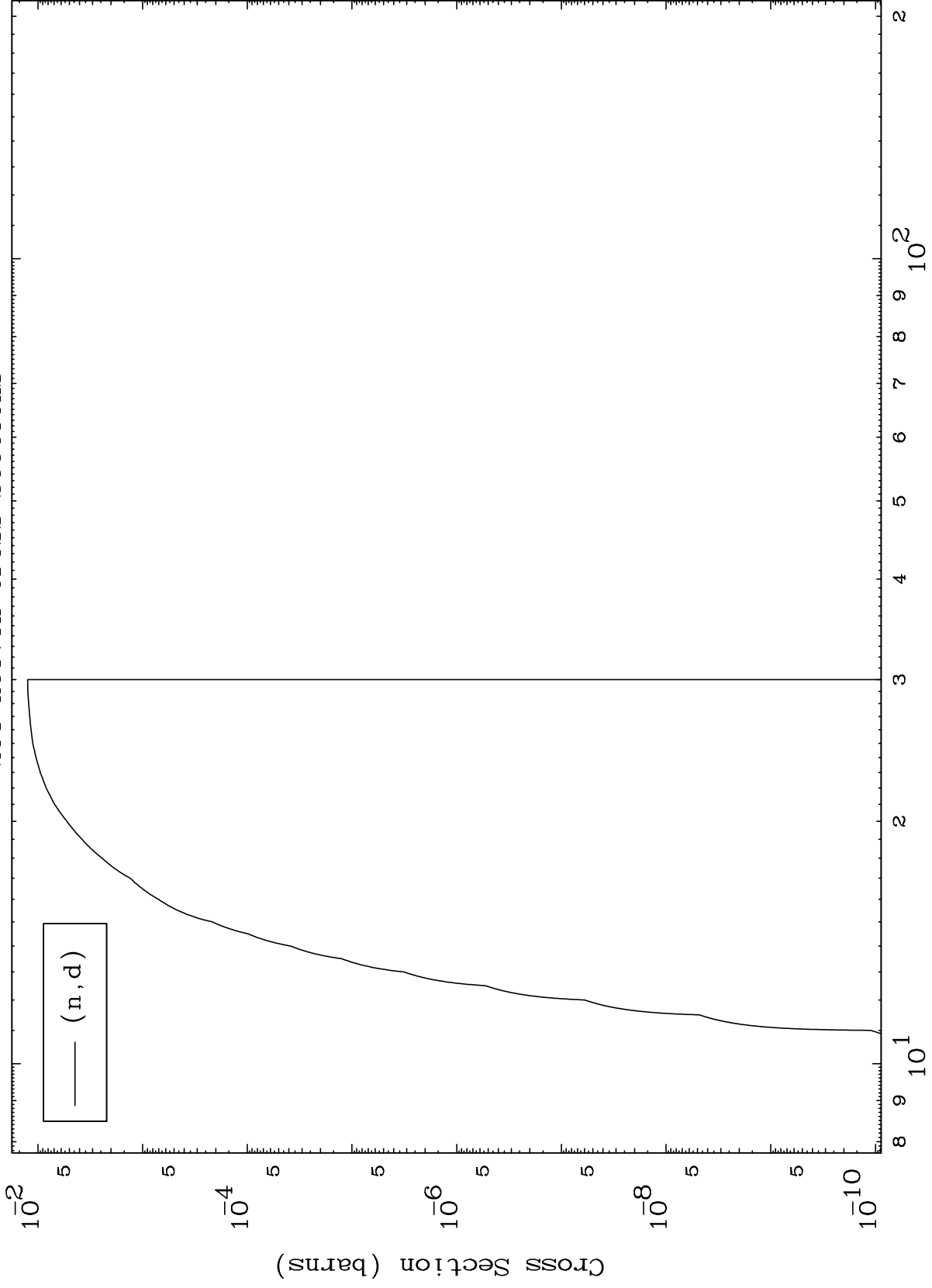
Incident Energy (MeV)

48-Cd-115

MAT 4853

48-Cd-115

(n,d) Levels
293 Kelvin Cross Sections



11

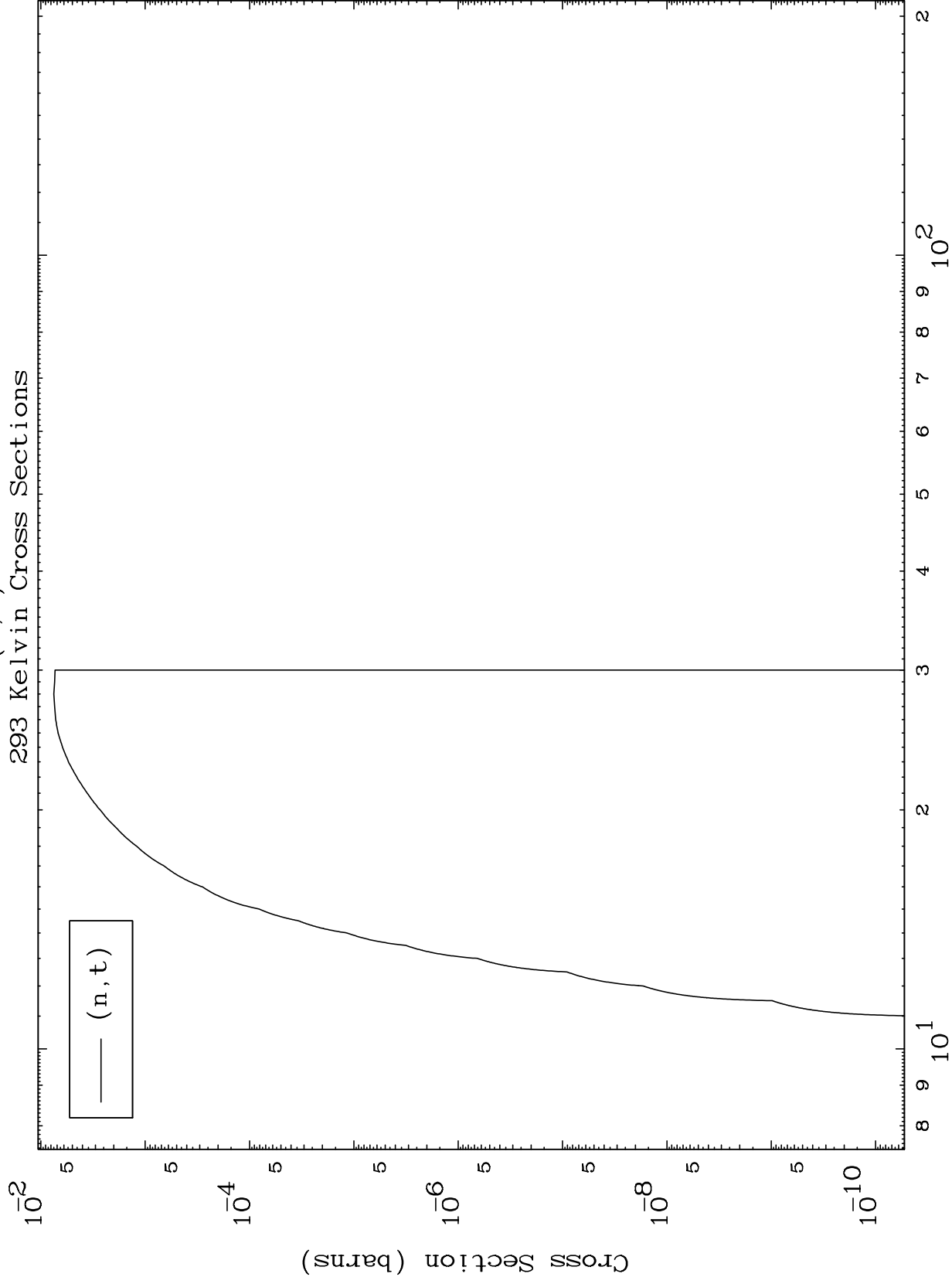
Incident Energy (MeV)

48-Cd-115

MAT 4853

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-115



12

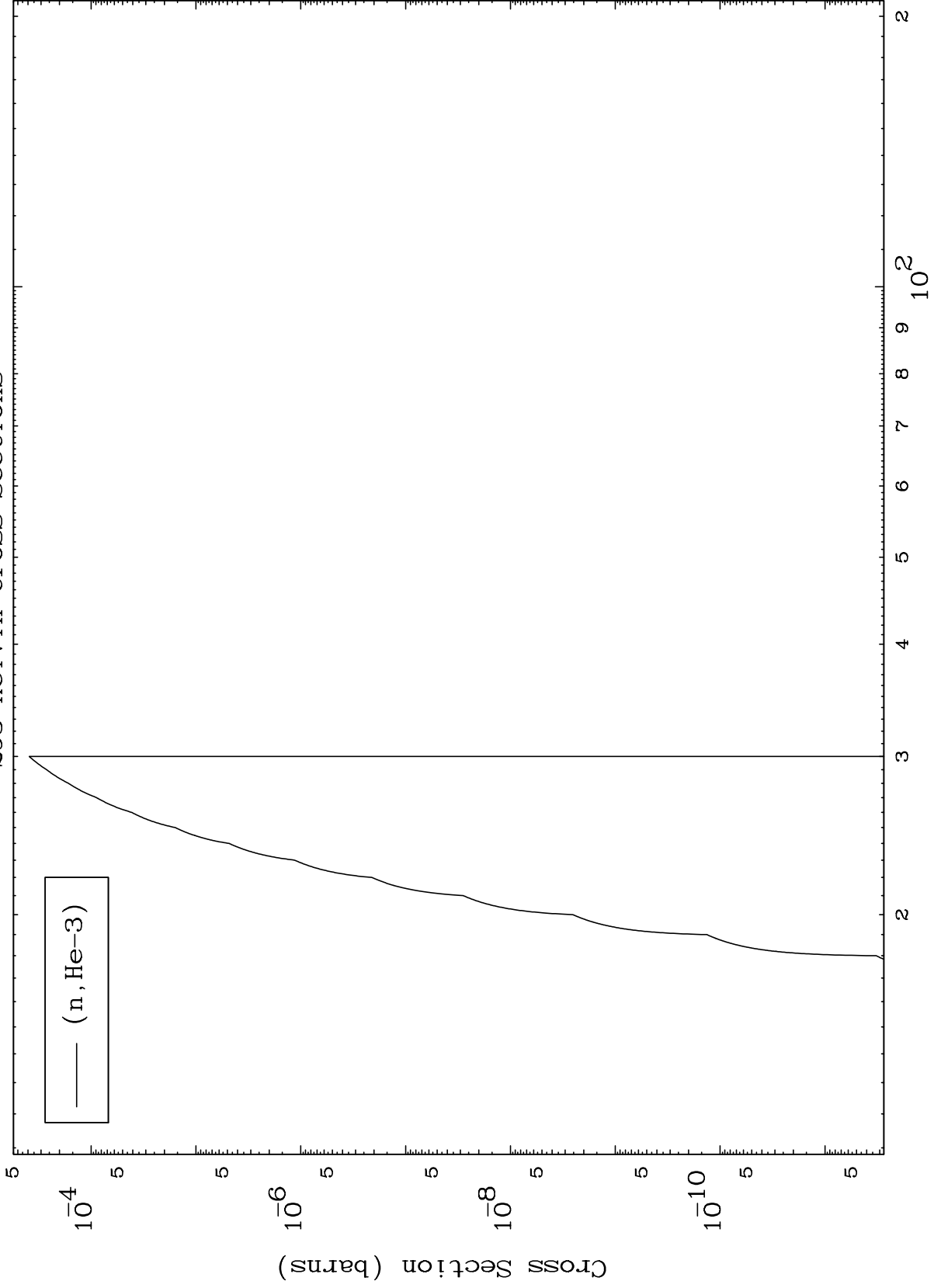
Incident Energy (MeV)

48-Cd-115

MAT 4853

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-115



13

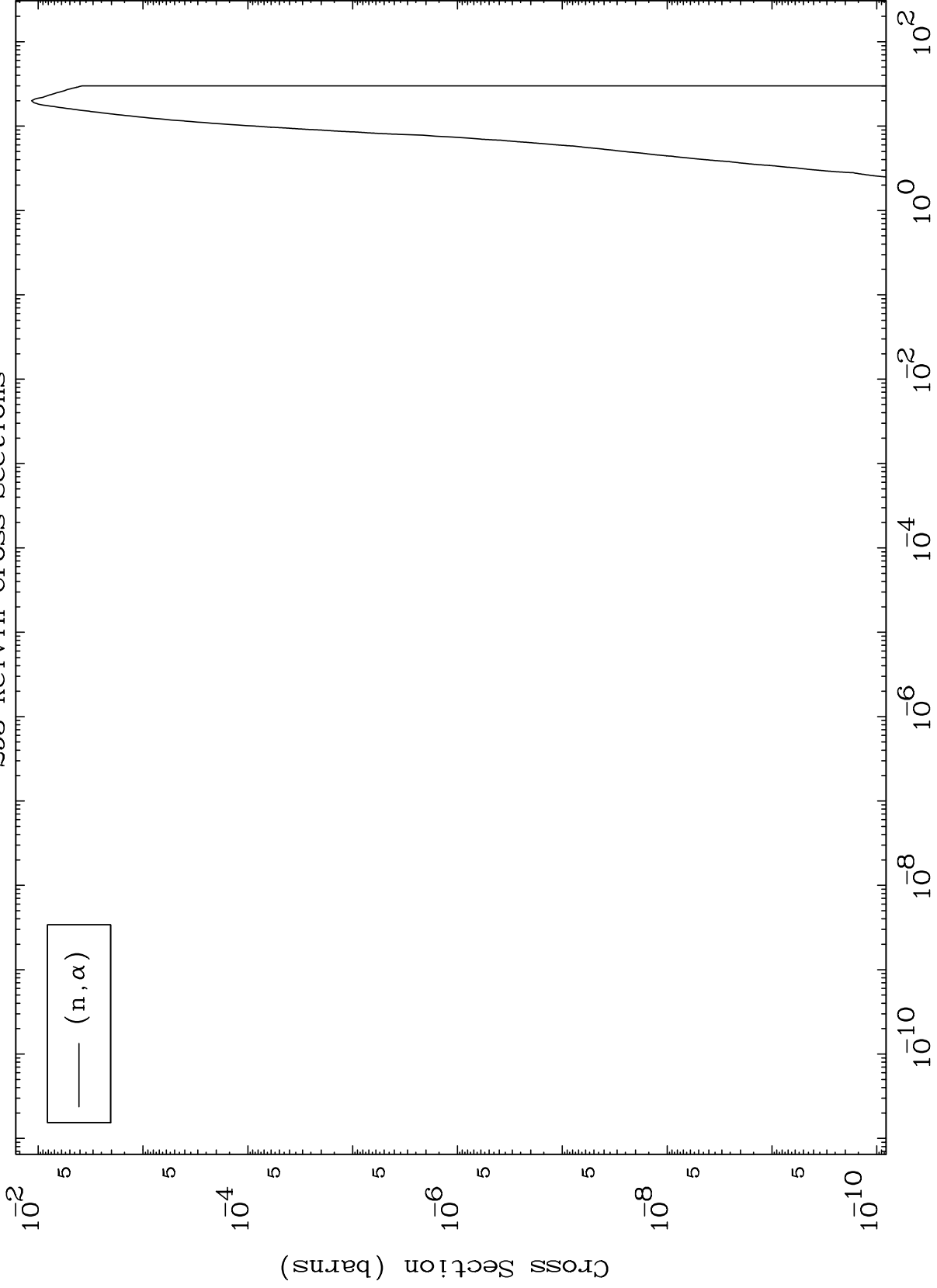
Incident Energy (MeV)

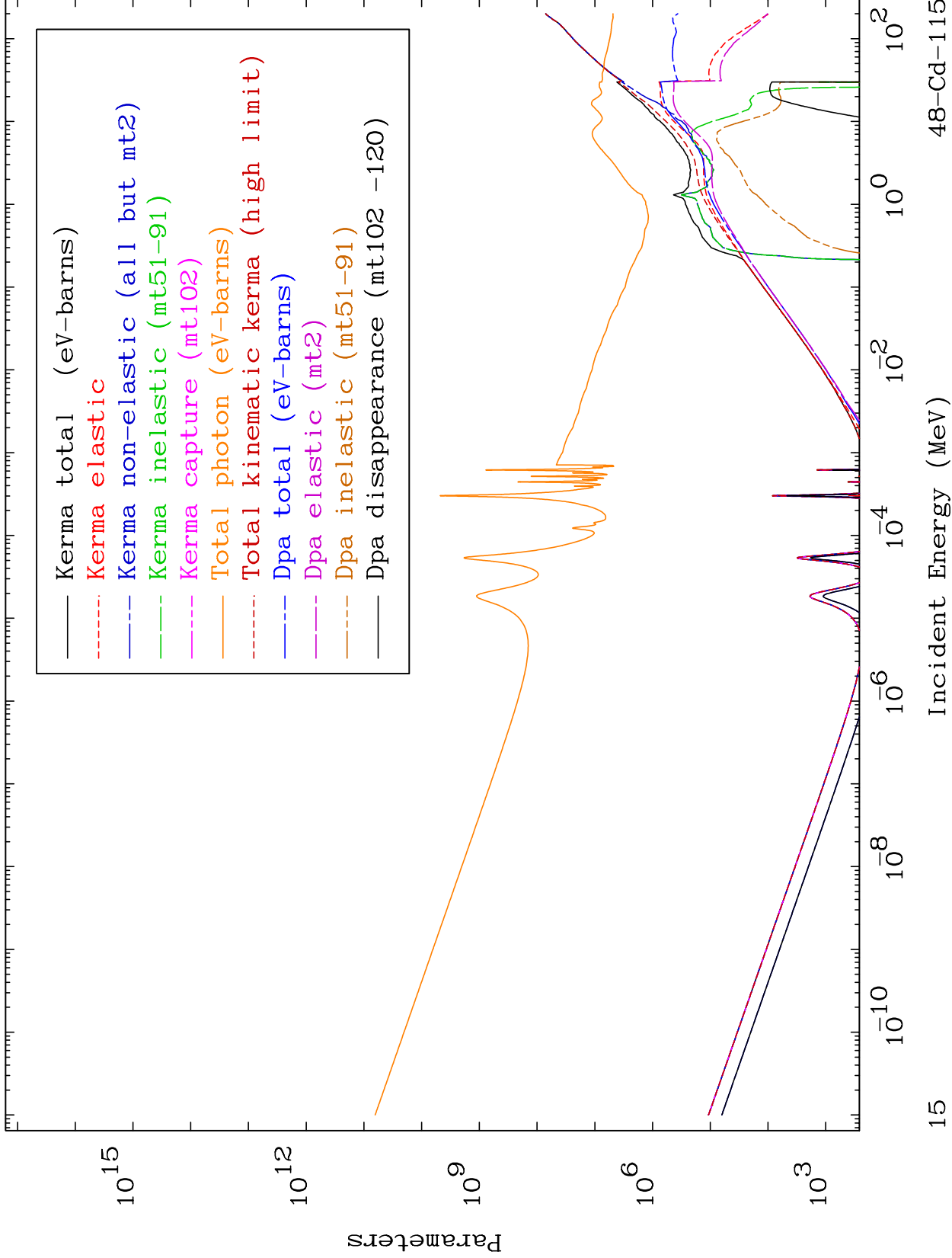
48-Cd-115

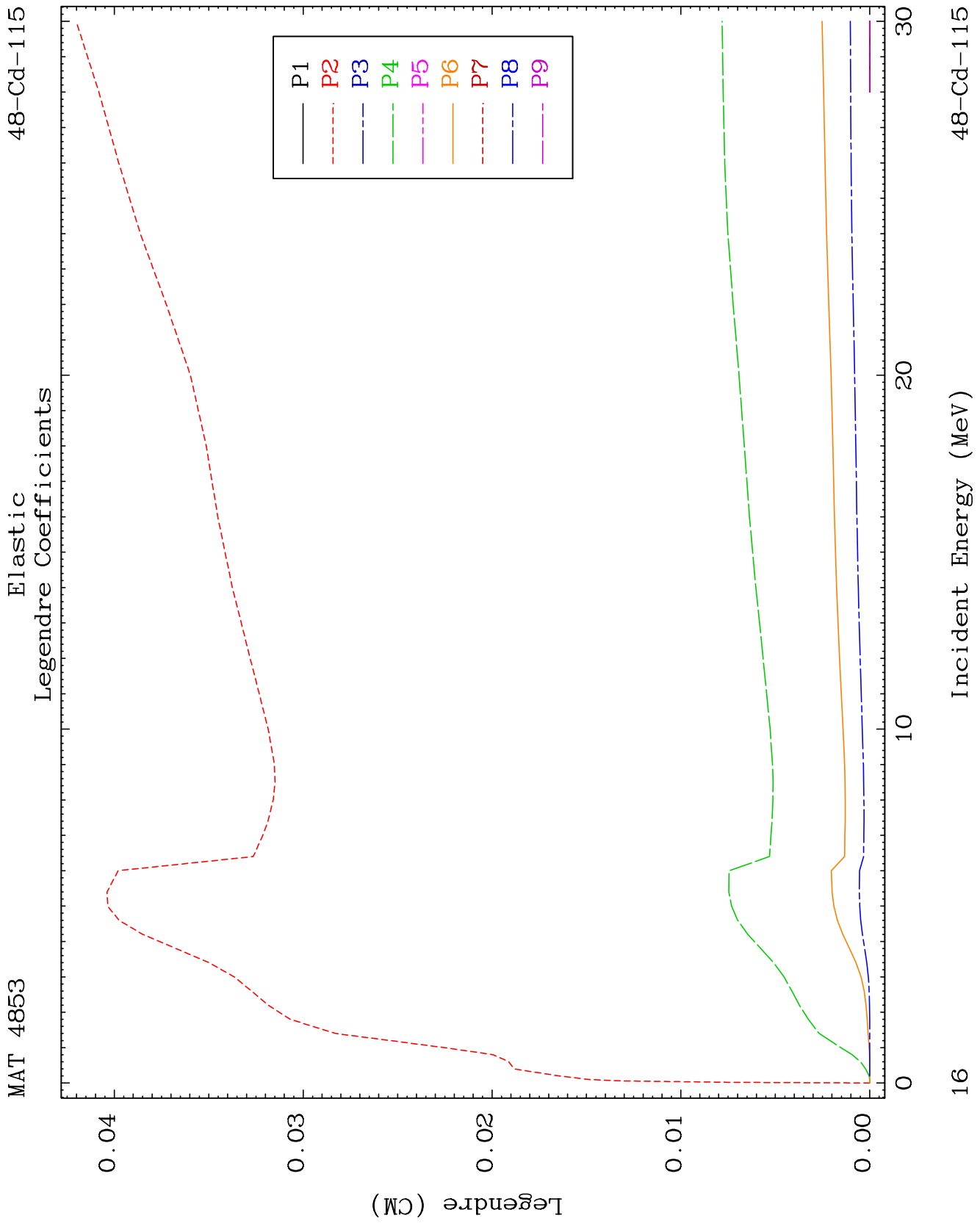
MAT 4853

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-115



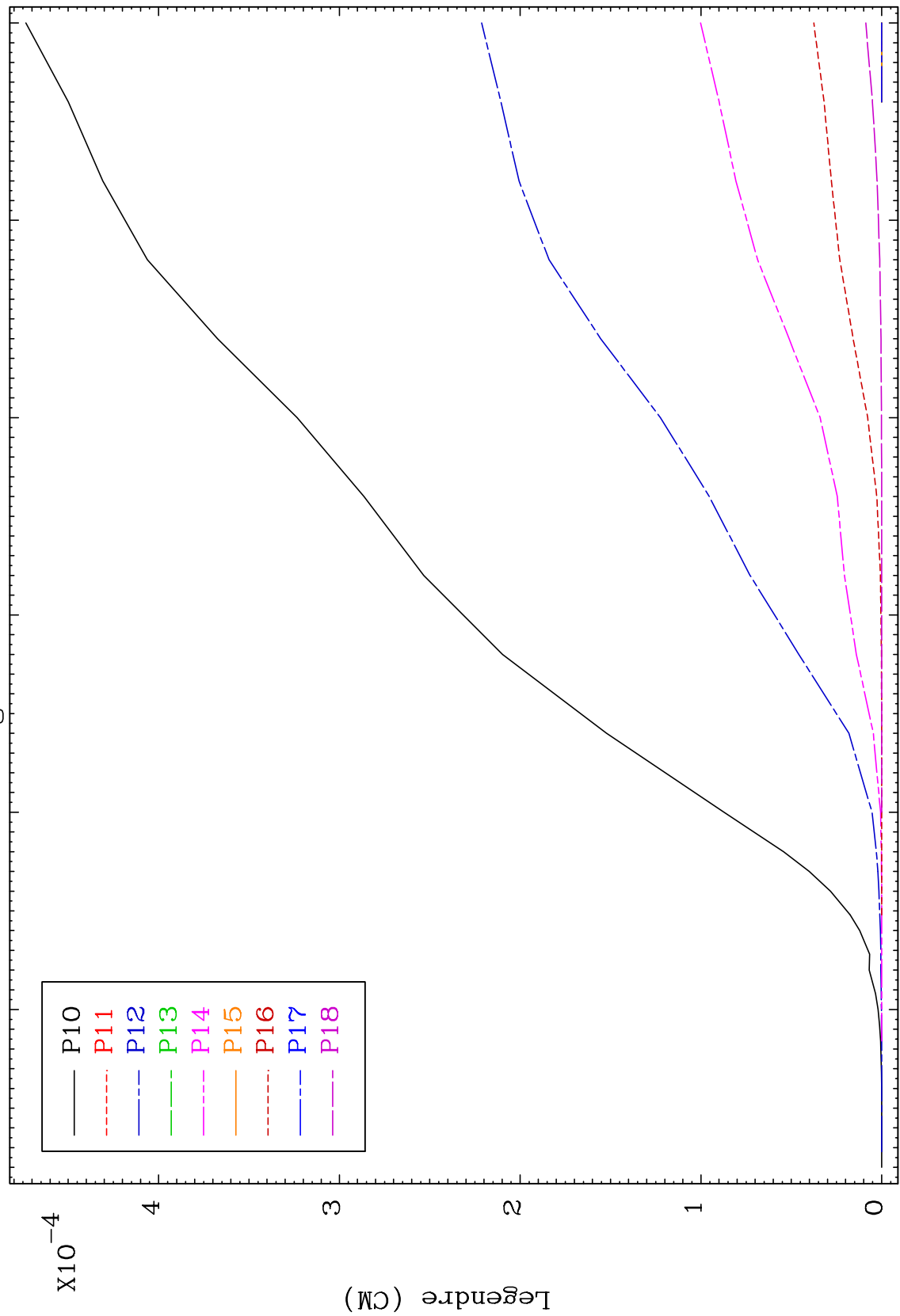




MAT 4853

Elastic Legendre Coefficients

48-Cd-115



17

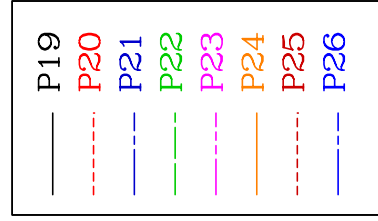
Incident Energy (MeV)

48-Cd-115

MAT 4853

Elastic
Legendre Coefficients

48-Cd-115



$\times 10^{-7}$

Legendre (CM)

4

3

2

1

0

15

20

25

30

18

Incident Energy (MeV)

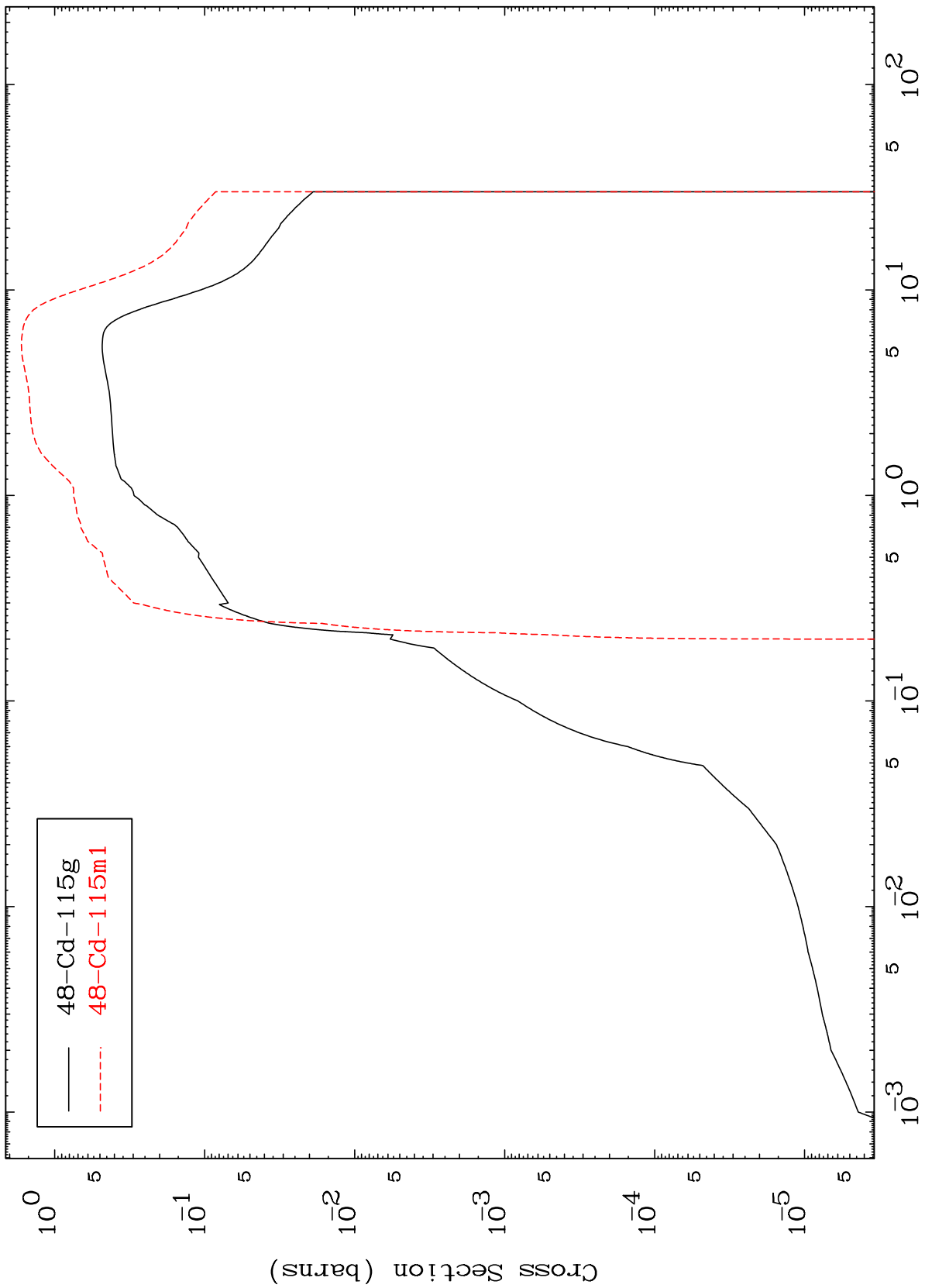
48-Cd-115



MAT 4853

48-Cd-115

Inelastic
Radionuclide Production Cross Section



19

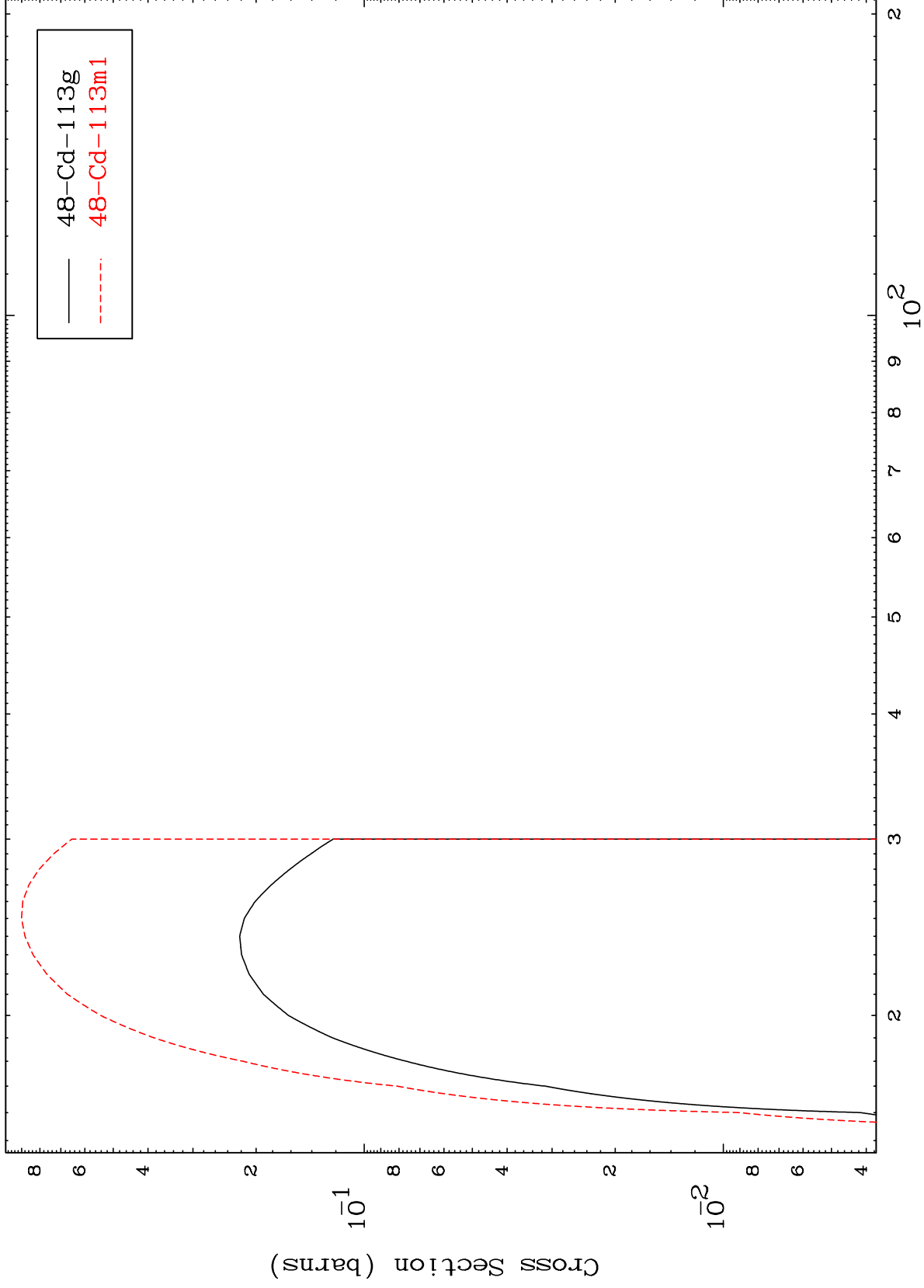
48-Cd-115

MAT 4853

(n,3n)

48-Cd-115

Radionuclide Production Cross Section



20

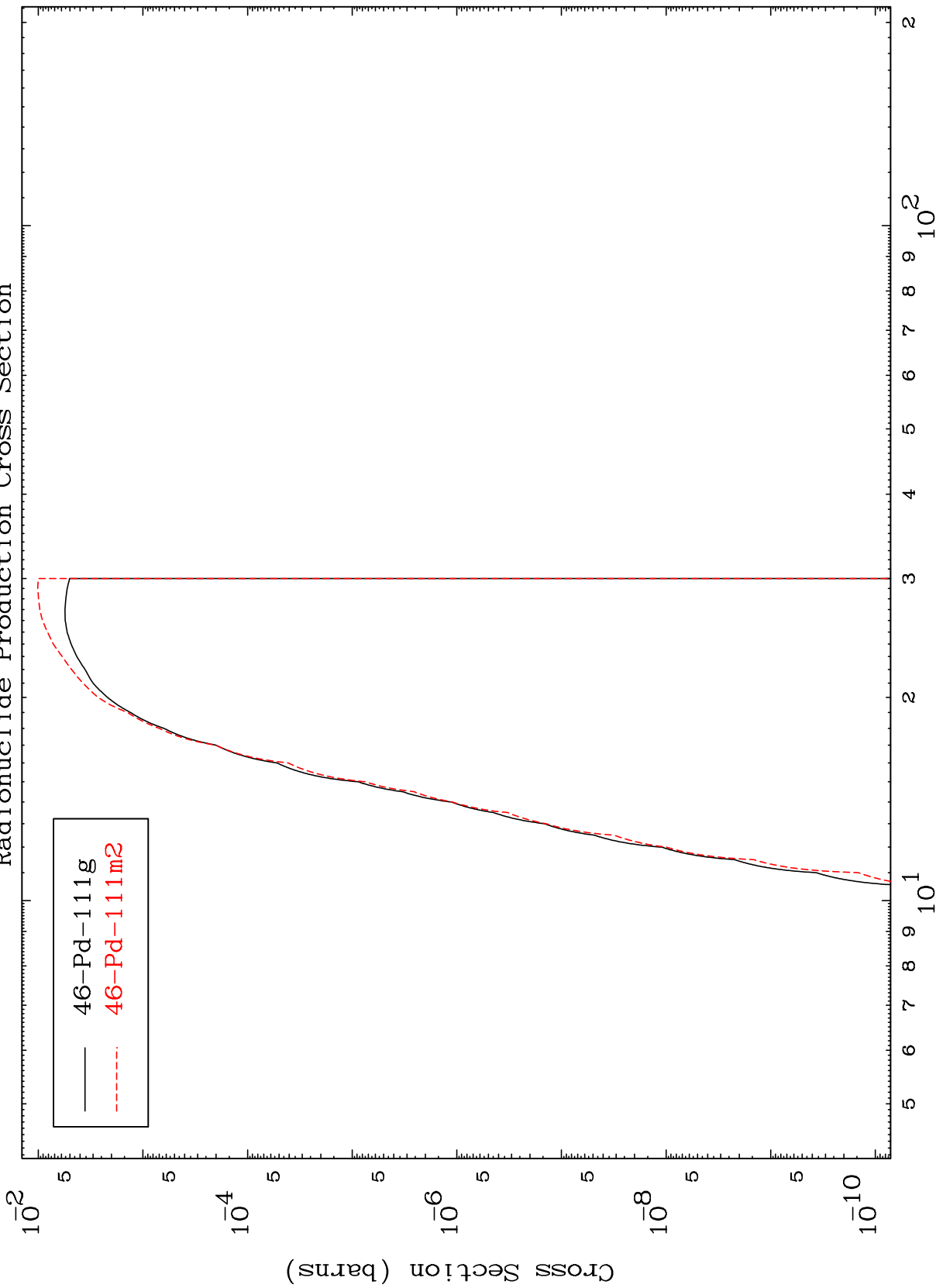
Incident Energy (MeV)

48-Cd-115

MAT 4853

48-Cd-115

Radionuclide Production Cross Section

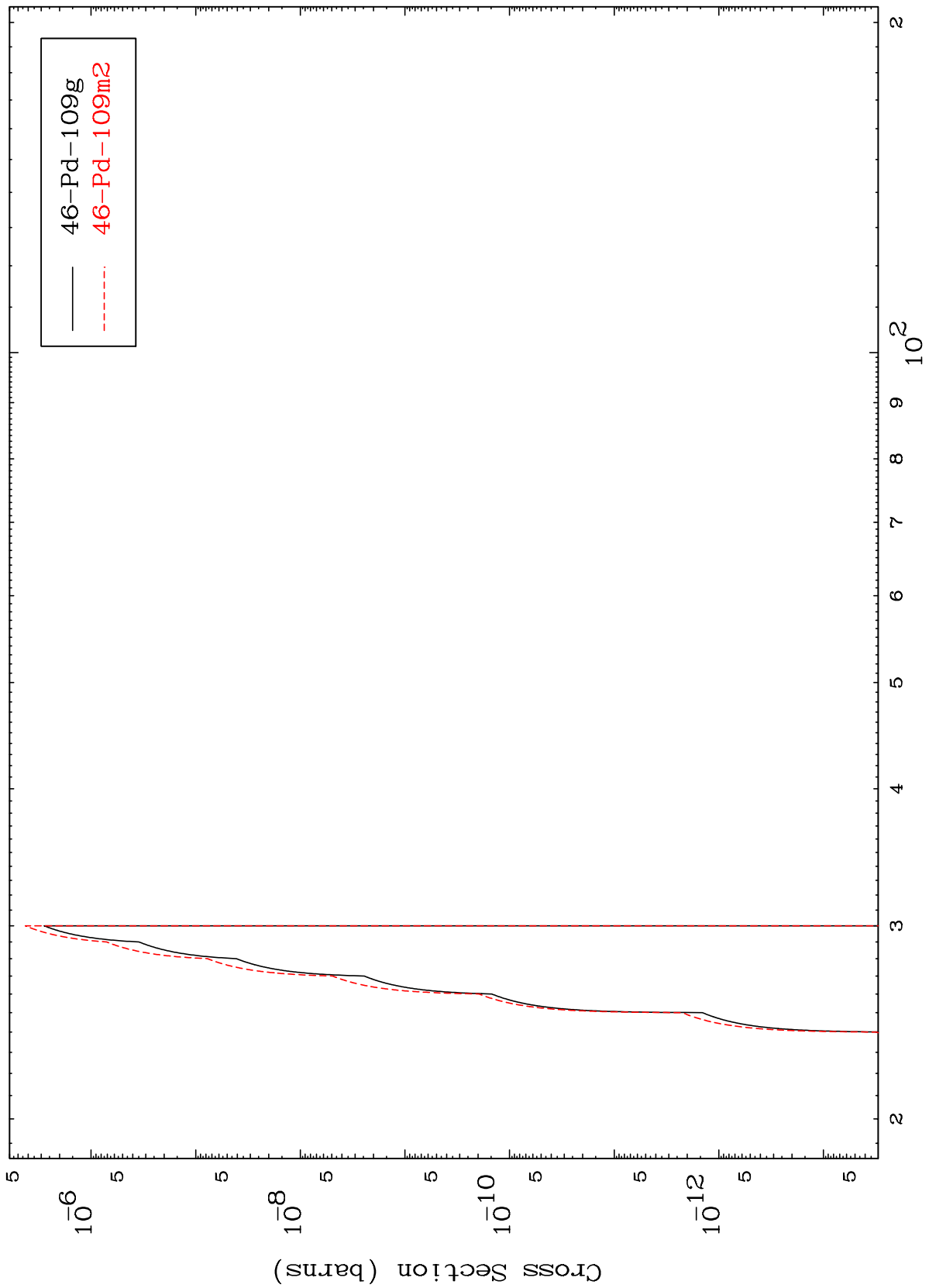


MAT 4853

(n,3n) α

48-Cd-115

Radionuclide Production Cross Section



22

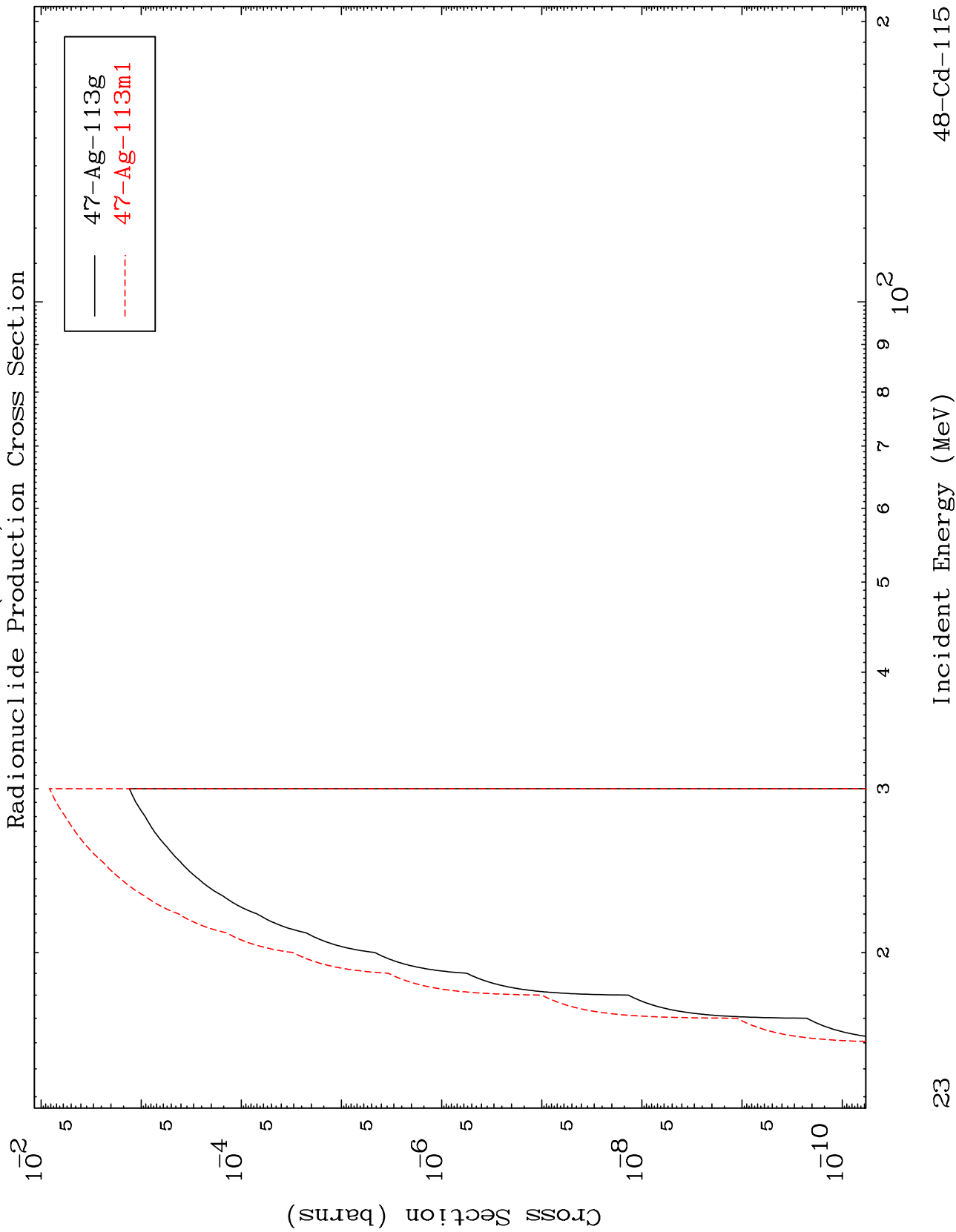
Incident Energy (MeV)

48-Cd-115

MAT 4853

(n,n') d

48-Cd-115



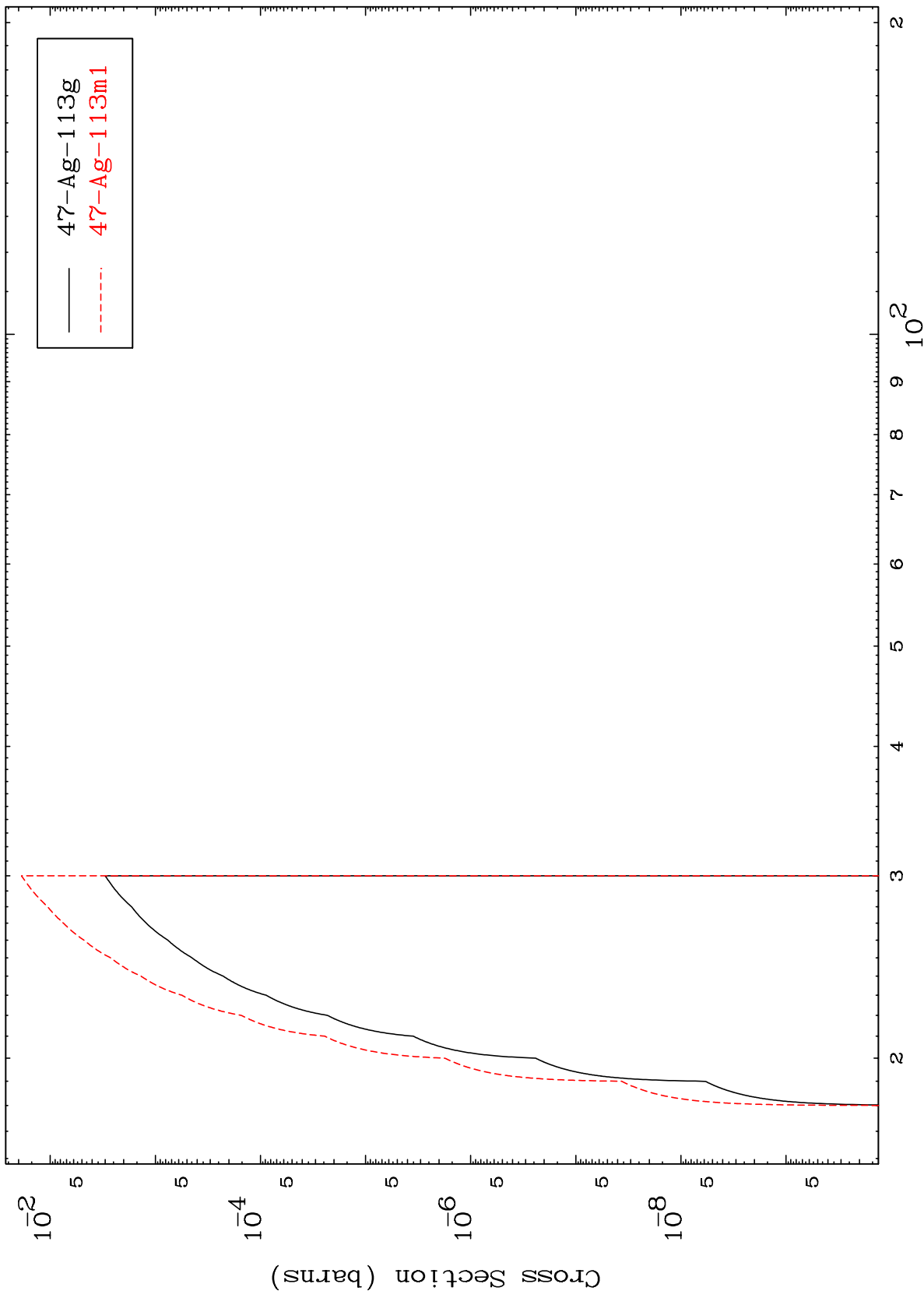
23

48-Cd-115

MAT 4853

48-Cd-115

(n,2n) p
Radionuclide Production Cross Section



24

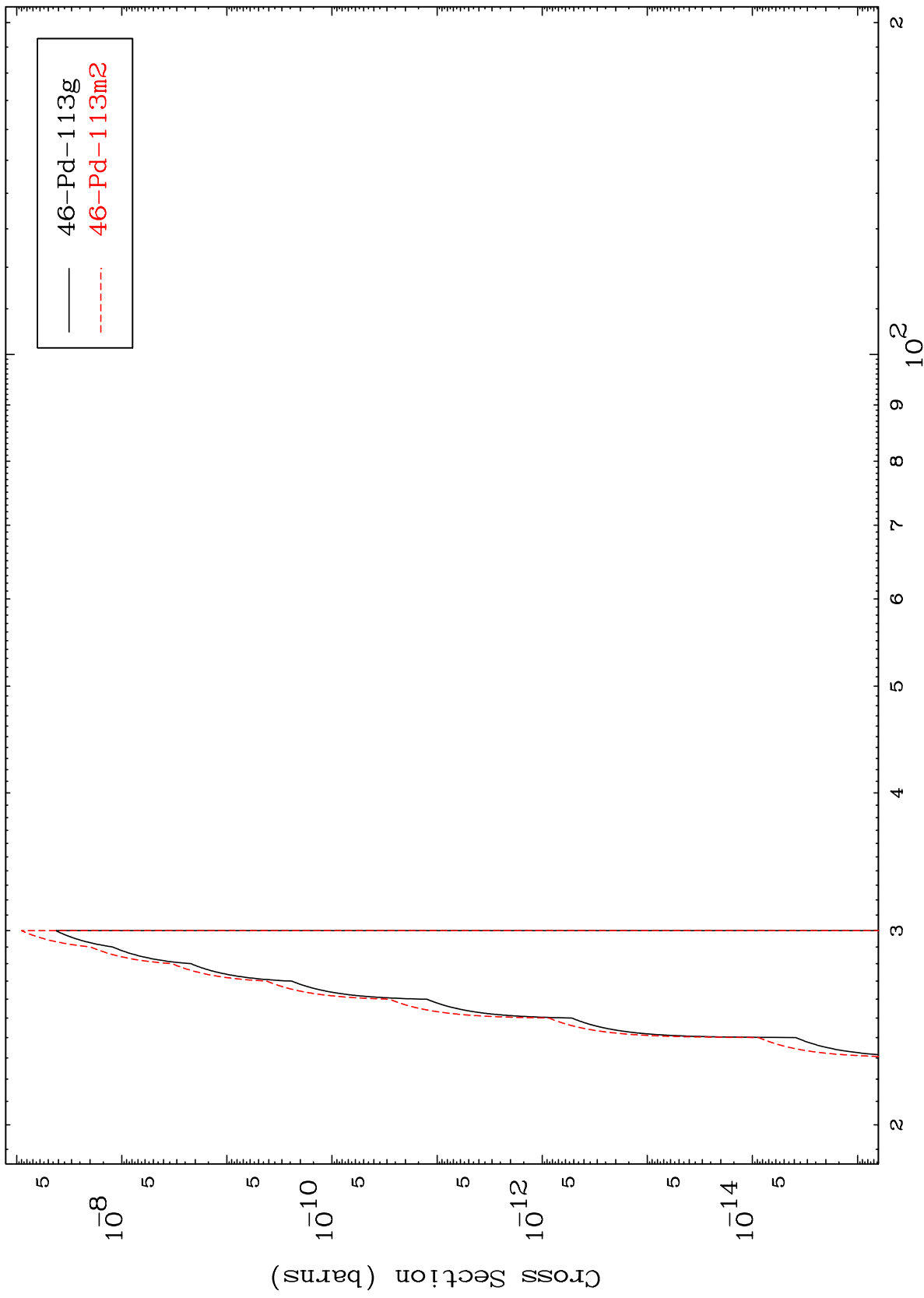
Incident Energy (MeV)

48-Cd-115

MAT 4853

48-Cd-115

(n,2n) p
Radionuclide Production Cross Section



25

Incident Energy (MeV)

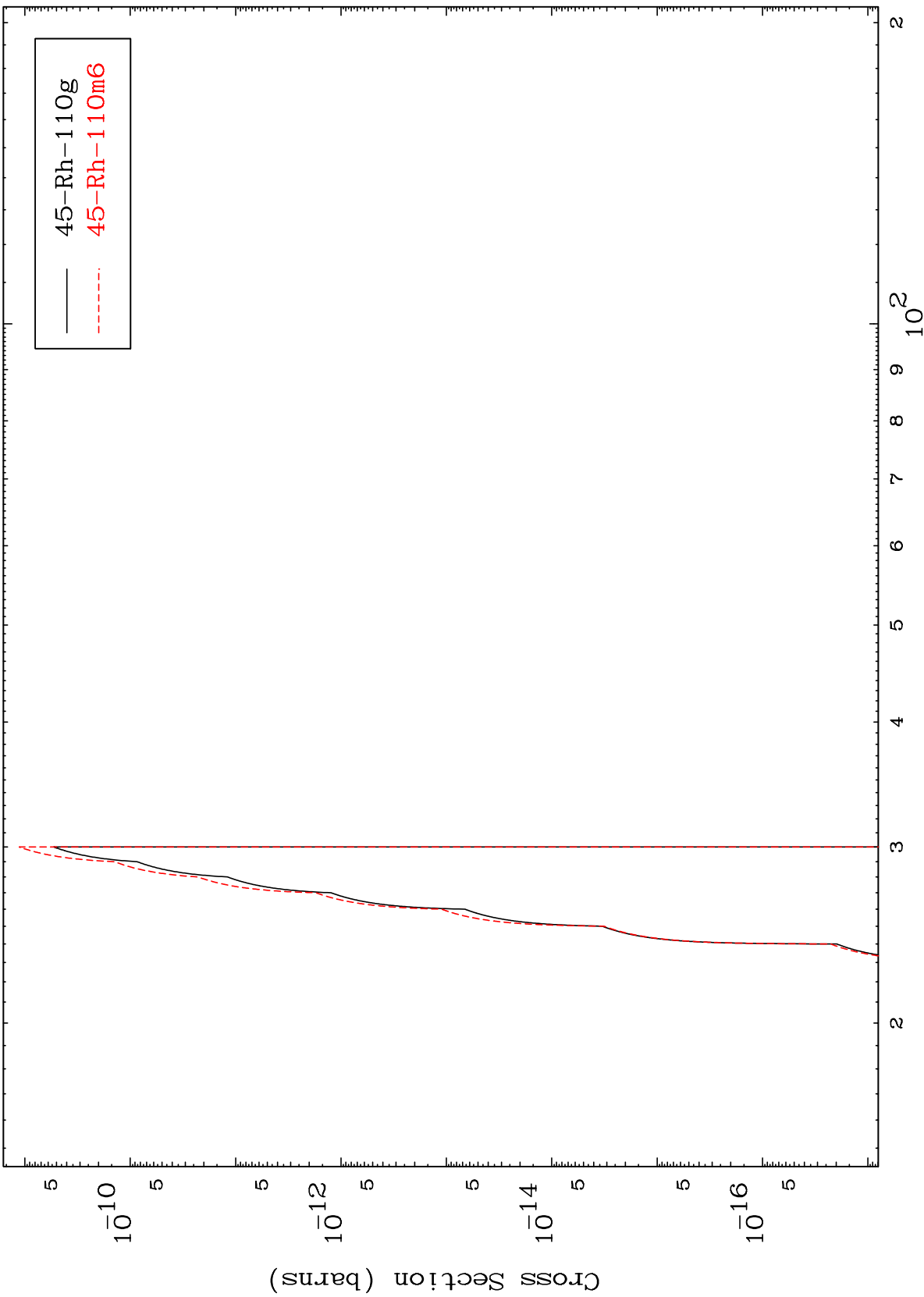
48-Cd-115

MAT 4853

(n,n') p α

48-Cd-115

Radionuclide Production Cross Section



45-Rh-110g
45-Rh-110m6

26

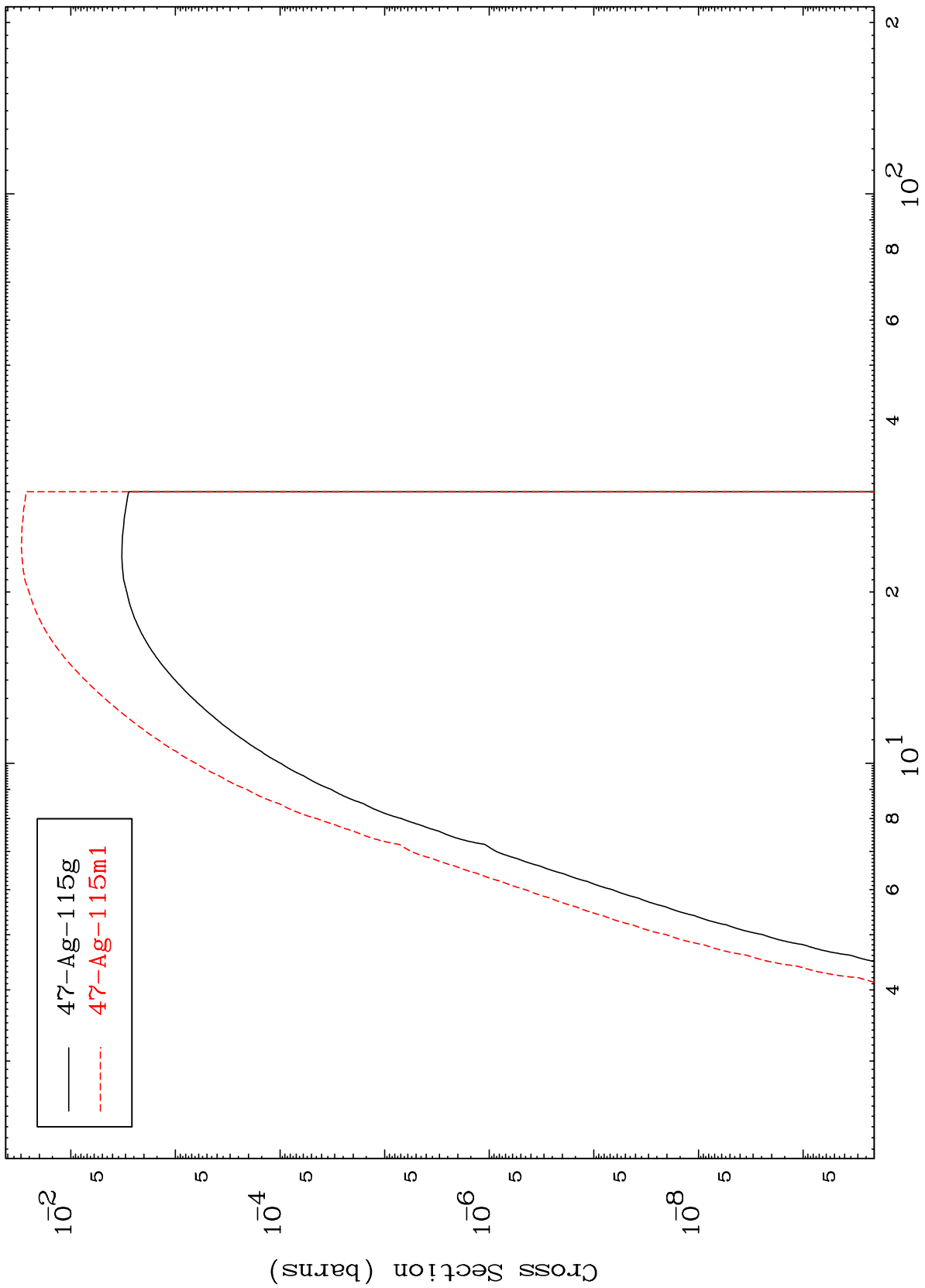
Incident Energy (MeV)

48-Cd-115

MAT 4853

48-Cd-115

(n,p)
Radionuclide Production Cross Section

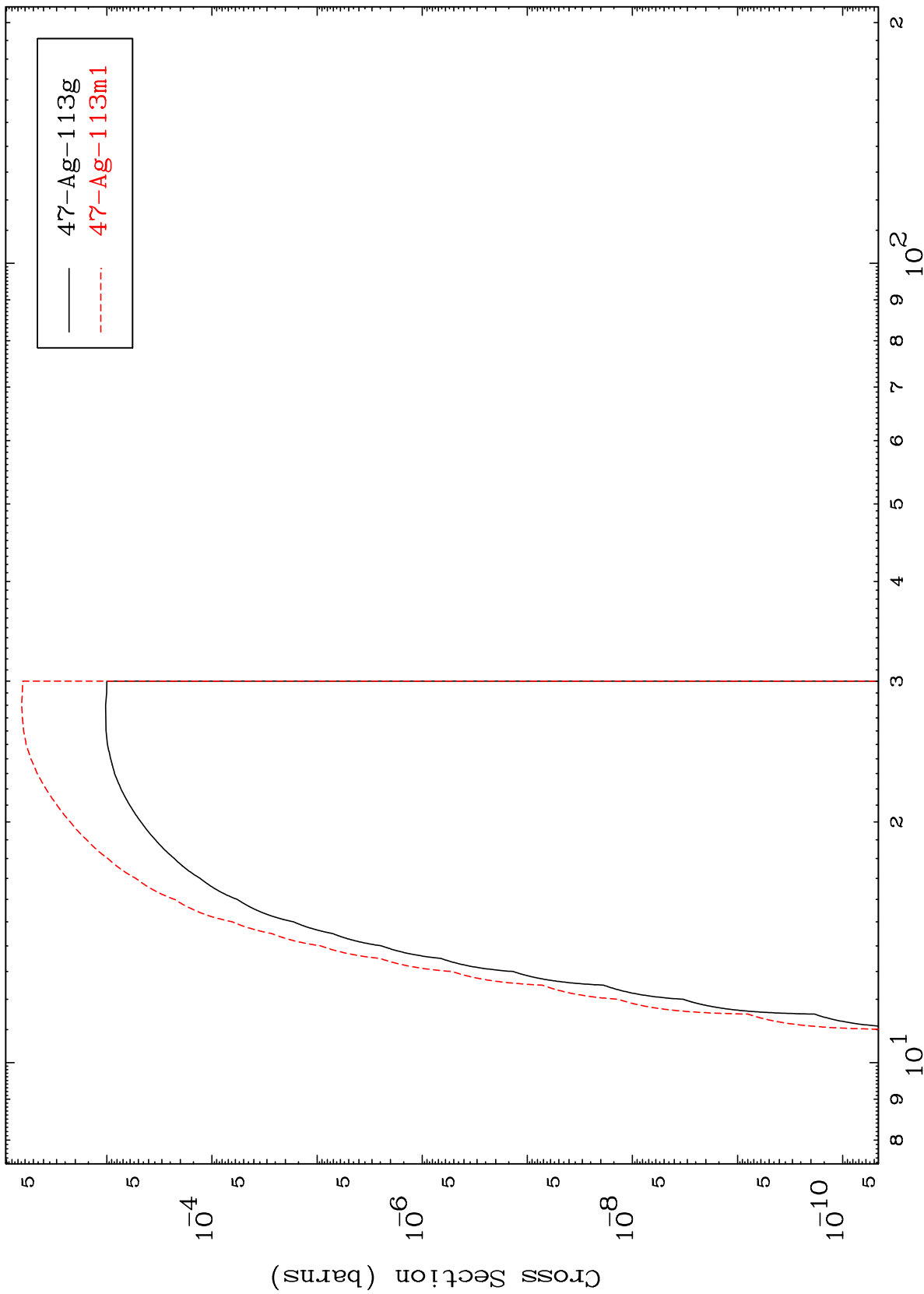


— 47-Ag-115g
- - - 47-Ag-115m1

MAT 4853

48-Cd-115

(n,t)
Radionuclide Production Cross Section



28

Incident Energy (MeV)

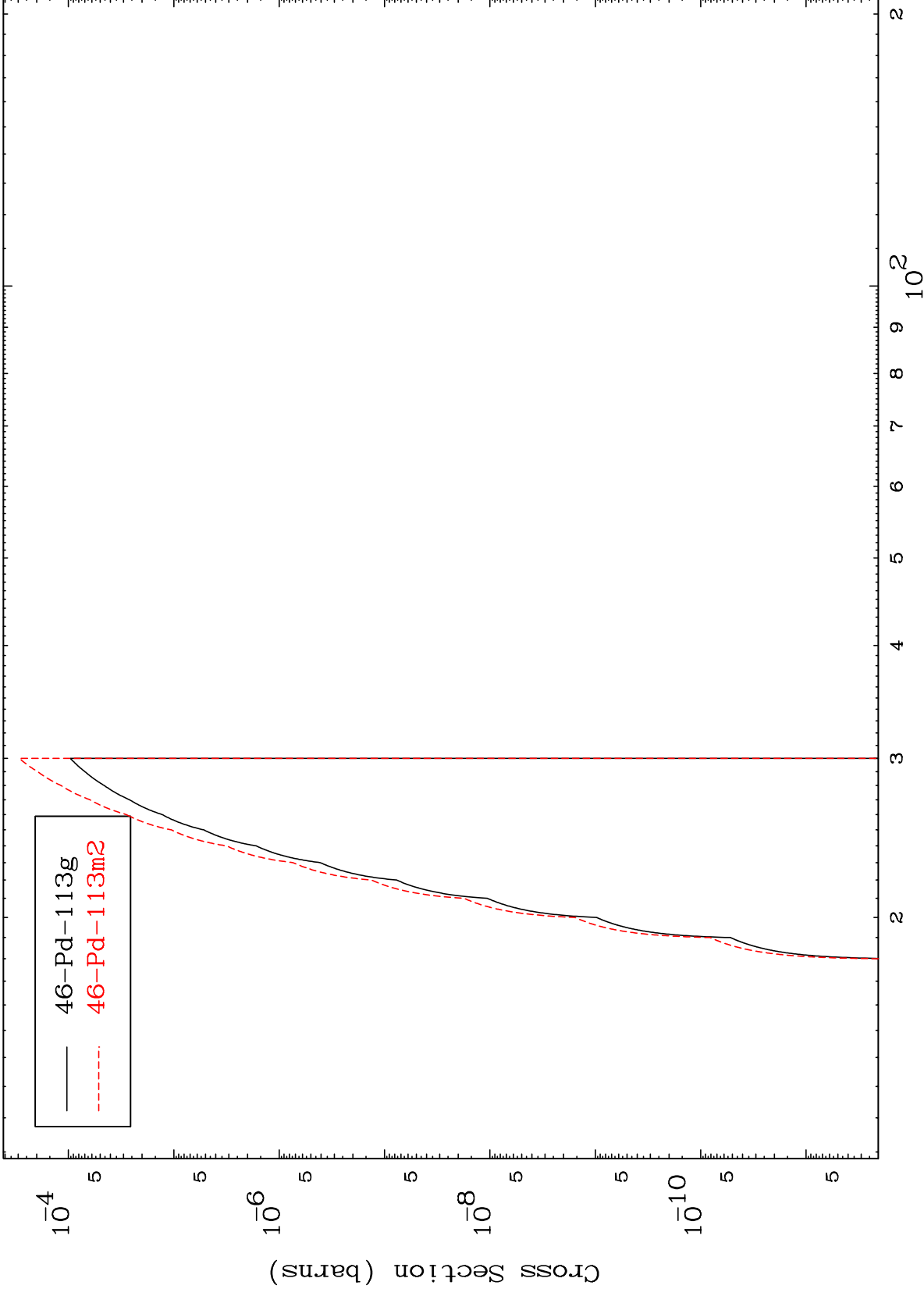
48-Cd-115

MAT 4853

(n,He-3)

48-Cd-115

Radionuclide Production Cross Section

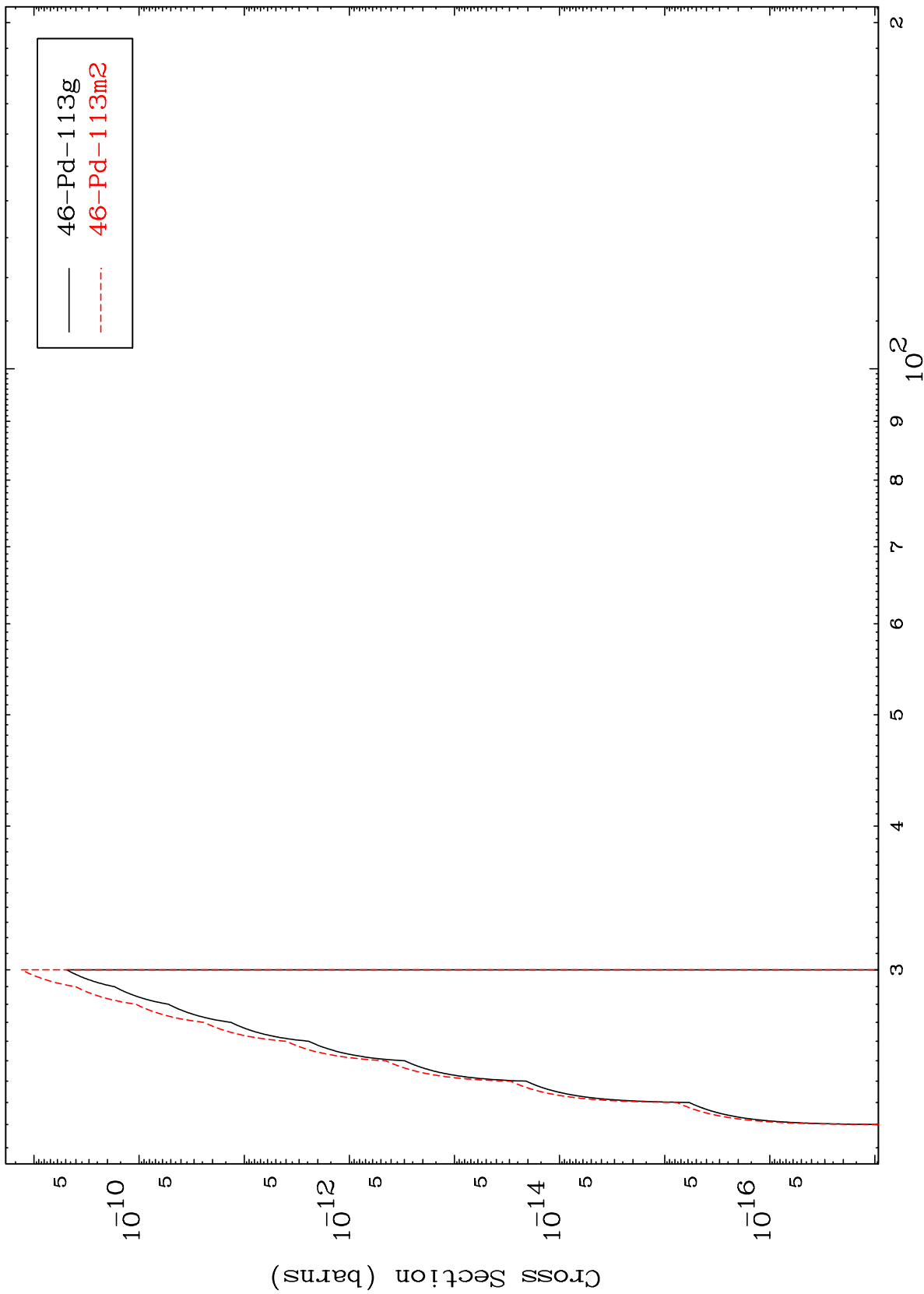


MAT 4853

(n,p) d

48-Cd-115

Radionuclide Production Cross Section



30

Incident Energy (MeV)

48-Cd-115