

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

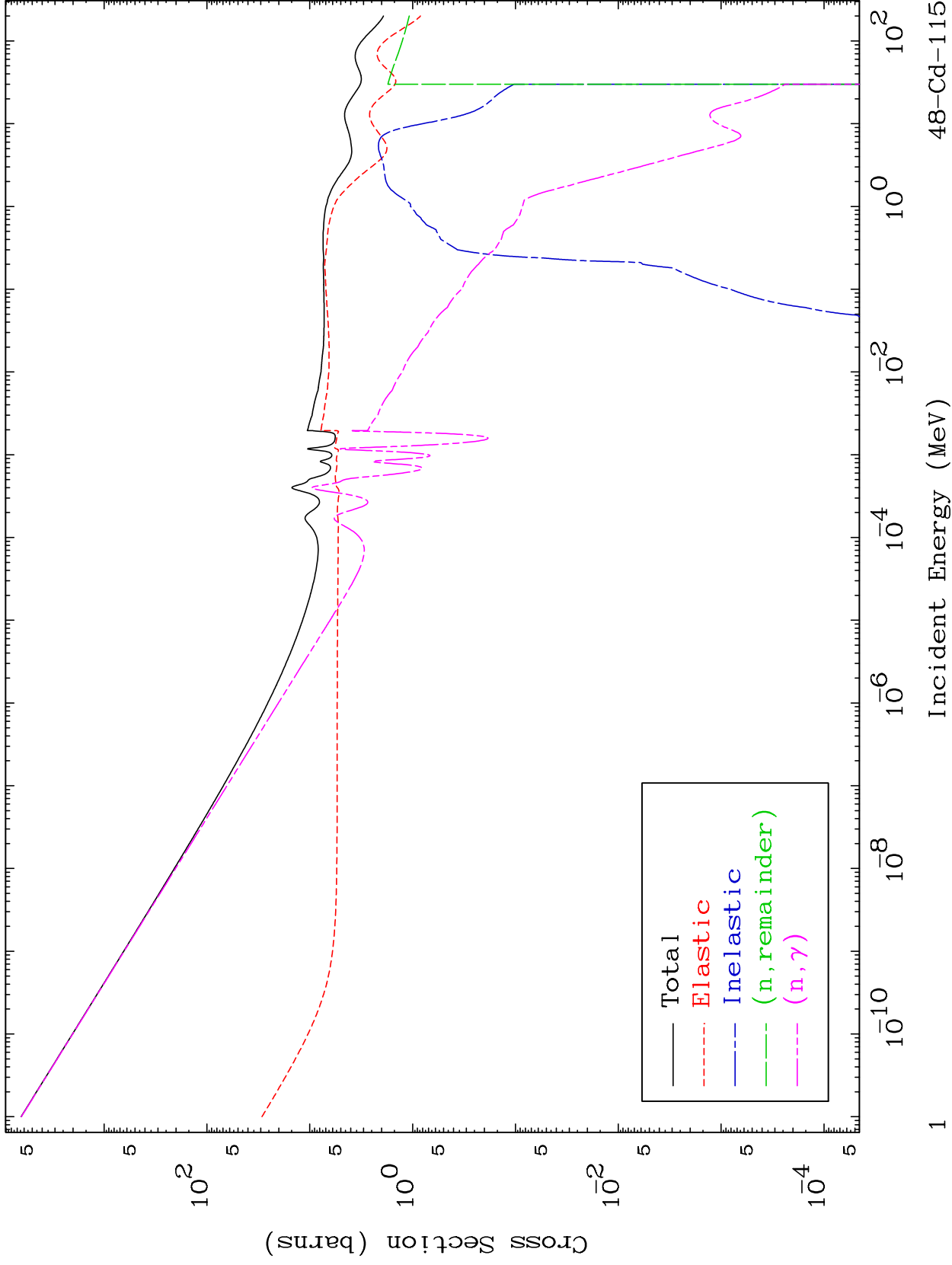
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4853

Major
293 Kelvin Cross Sections

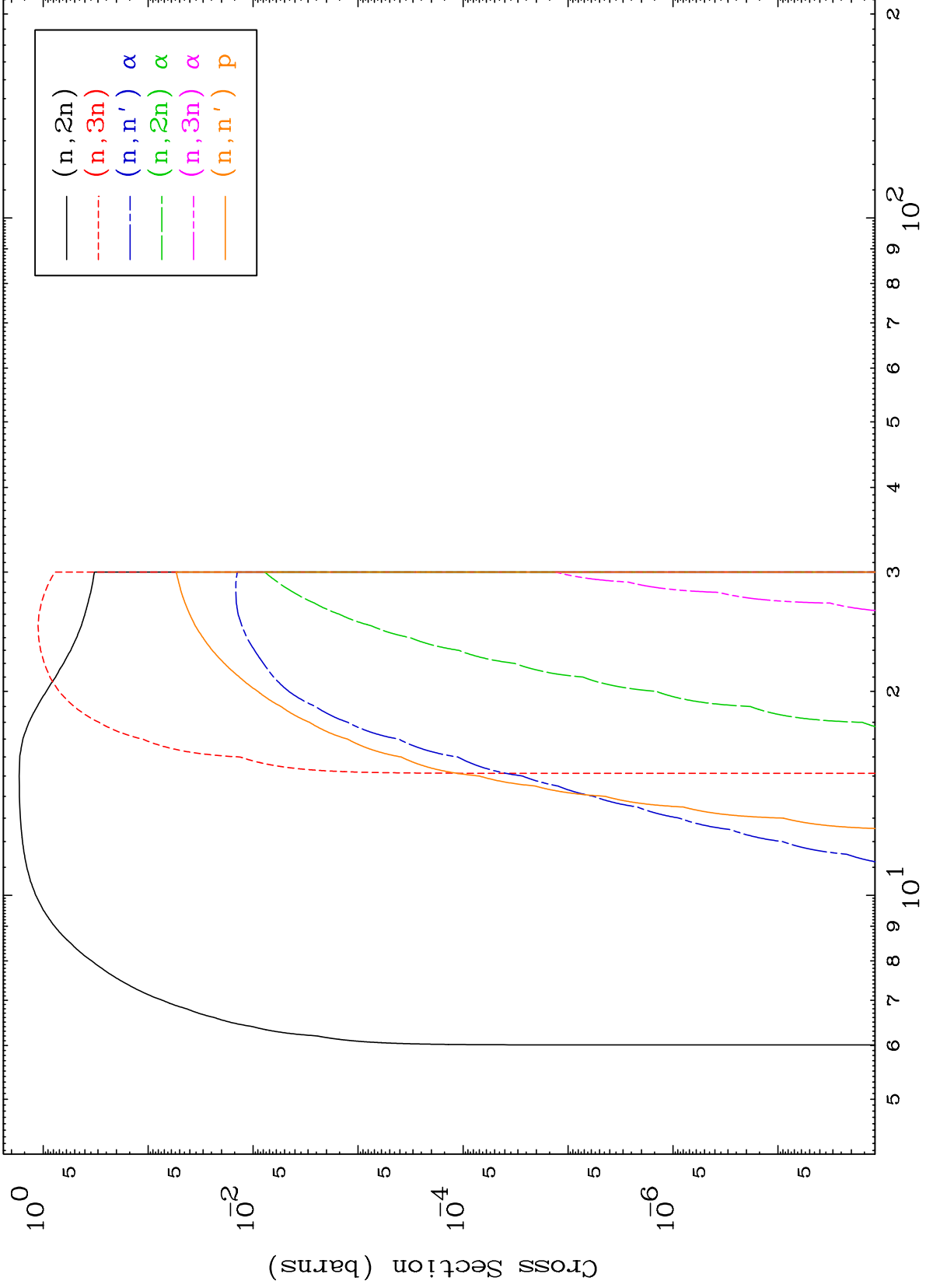
48-Cd-115

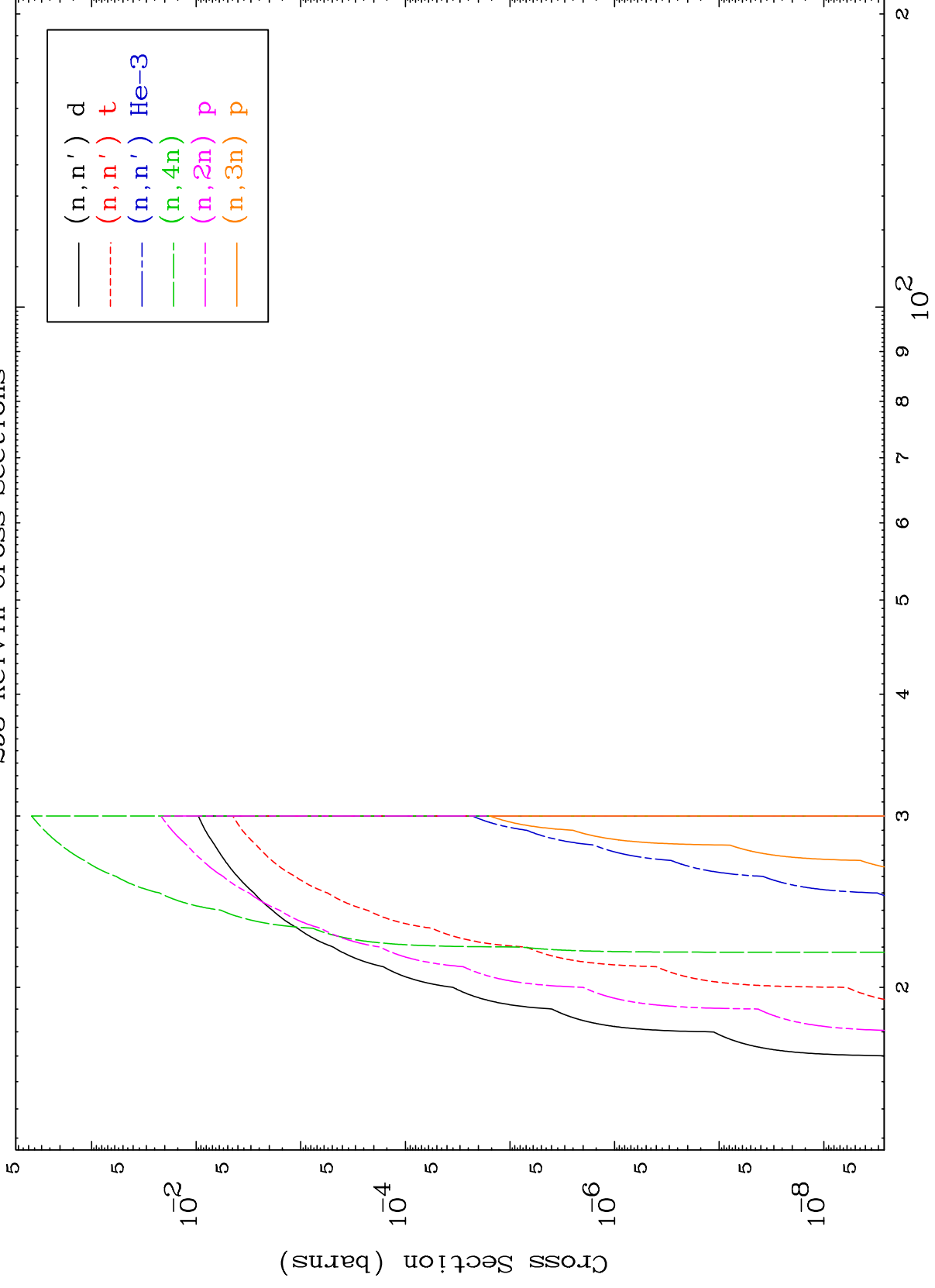


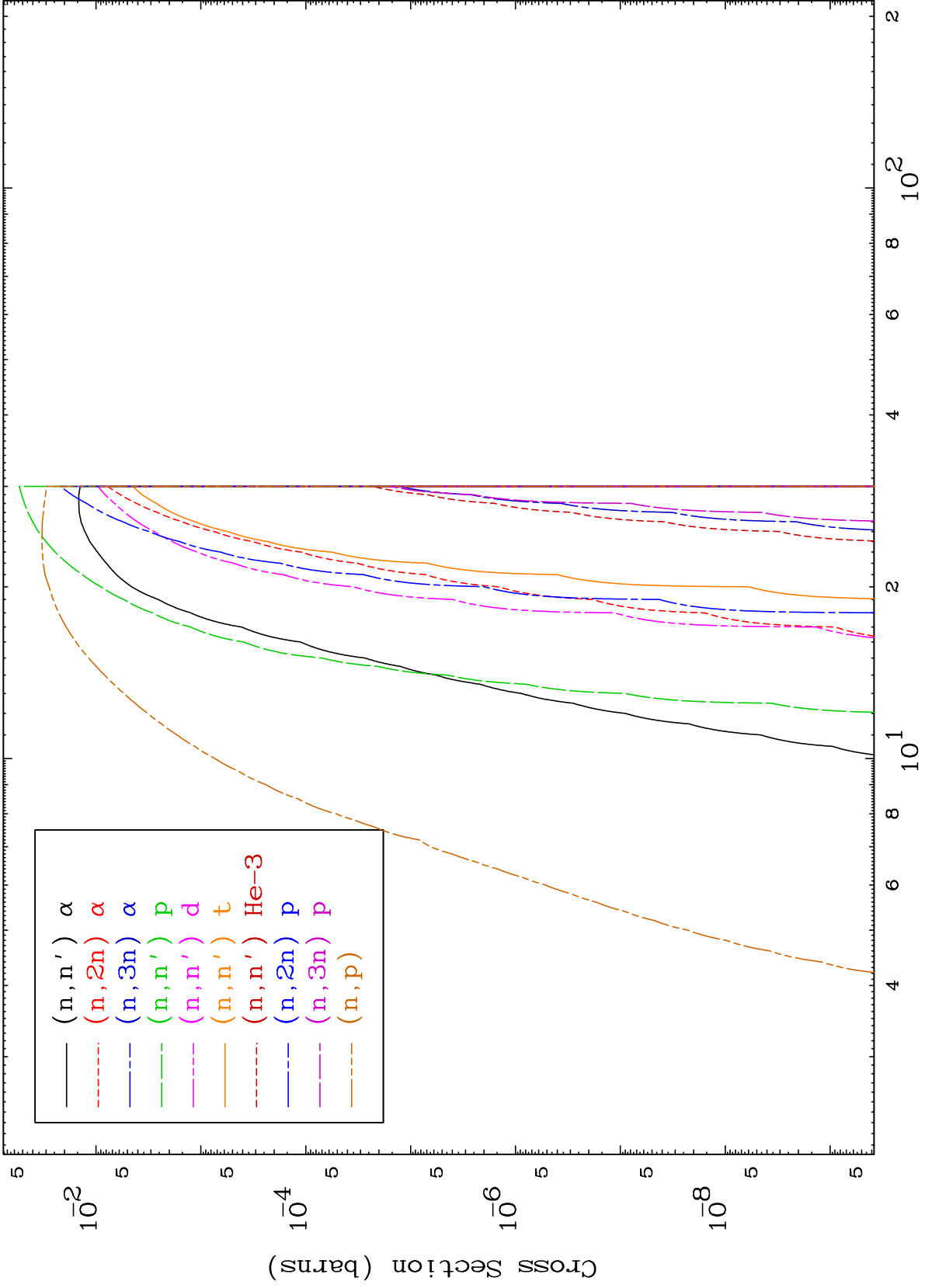
MAT 4853

Neutron Production
293 Kelvin Cross Sections

48-Cd-115



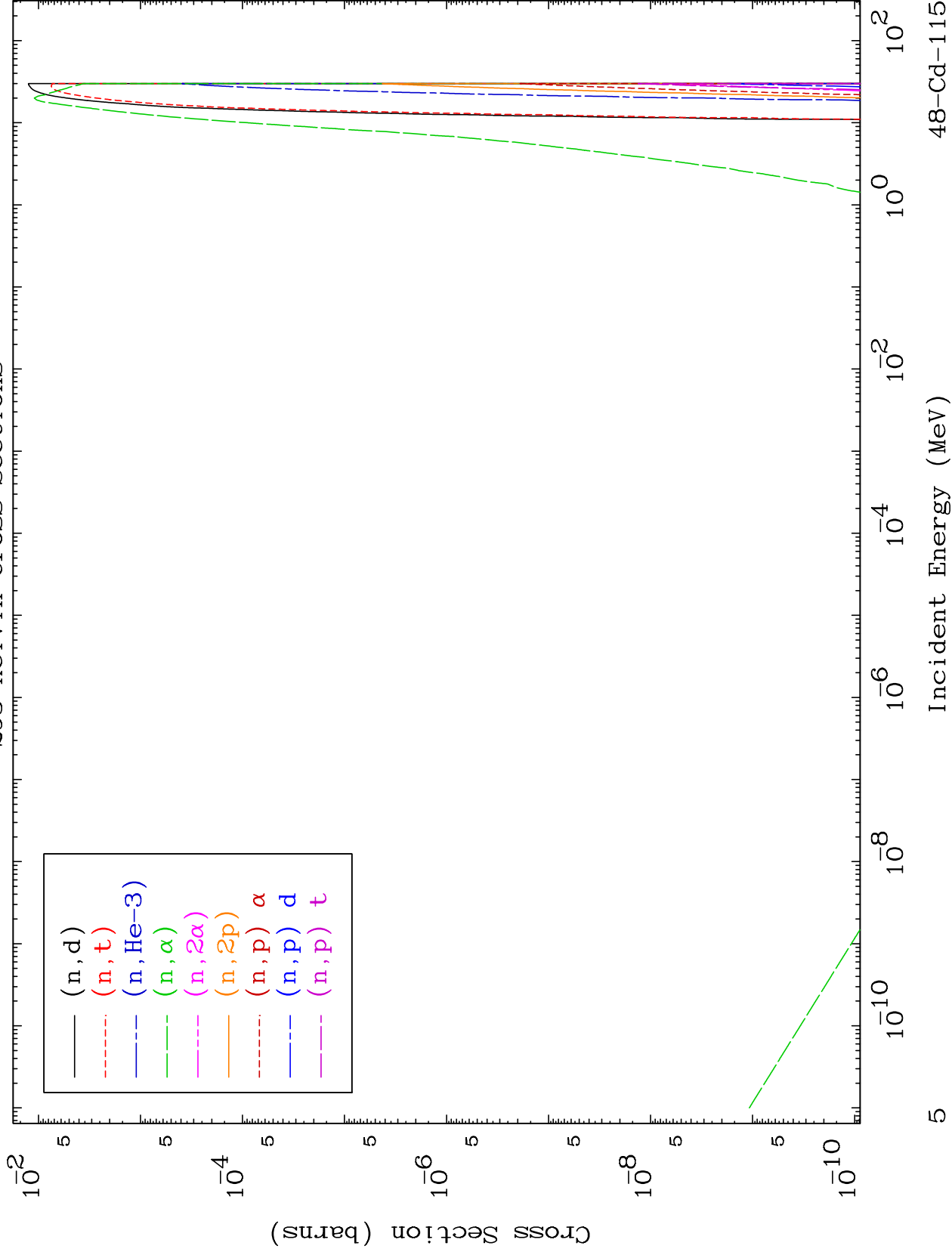




MAT 4853

Charged Particle
293 Kelvin Cross Sections

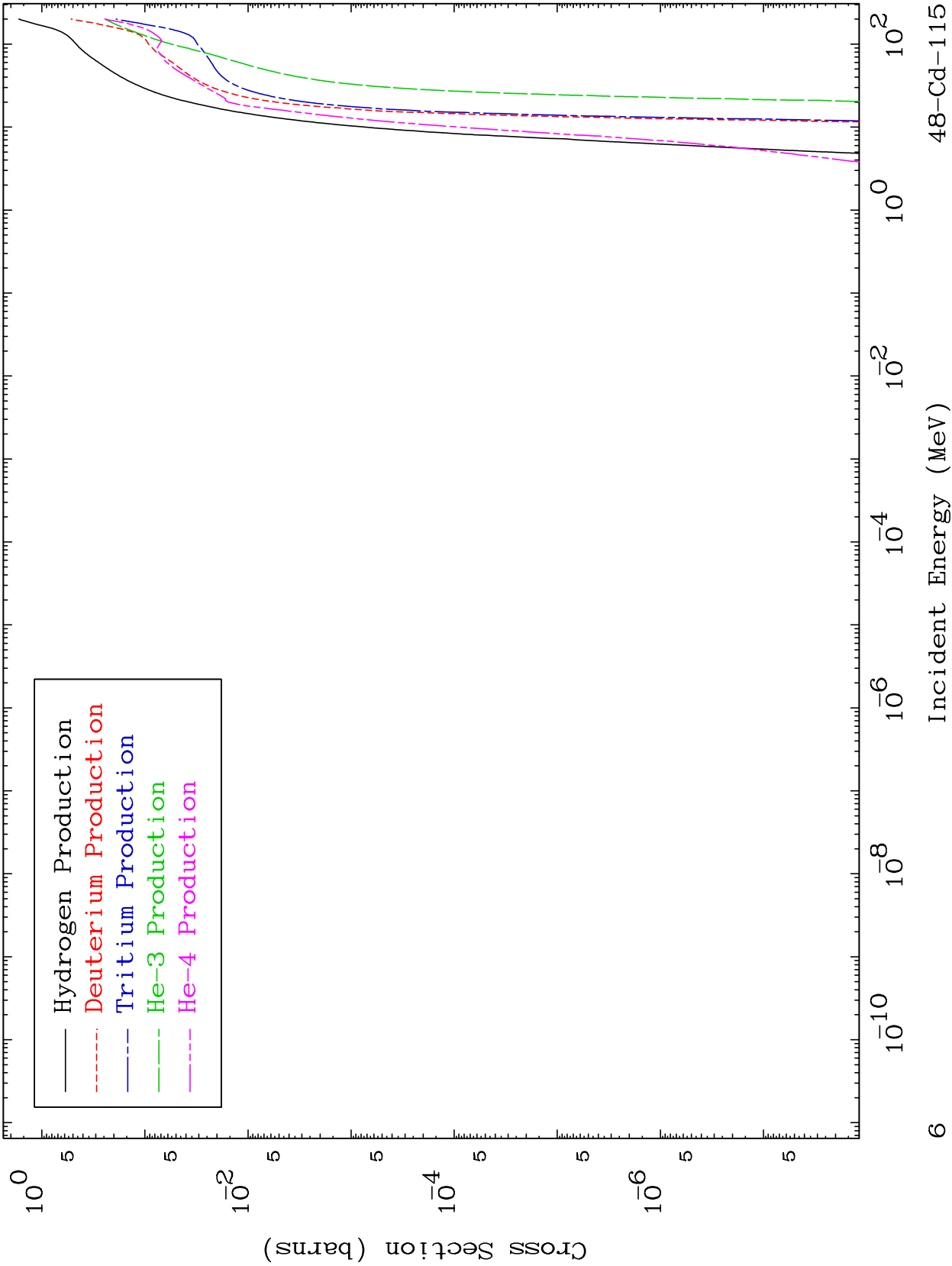
48-Cd-115



MAT 4853

Particle Production
293 Kelvin Cross Sections

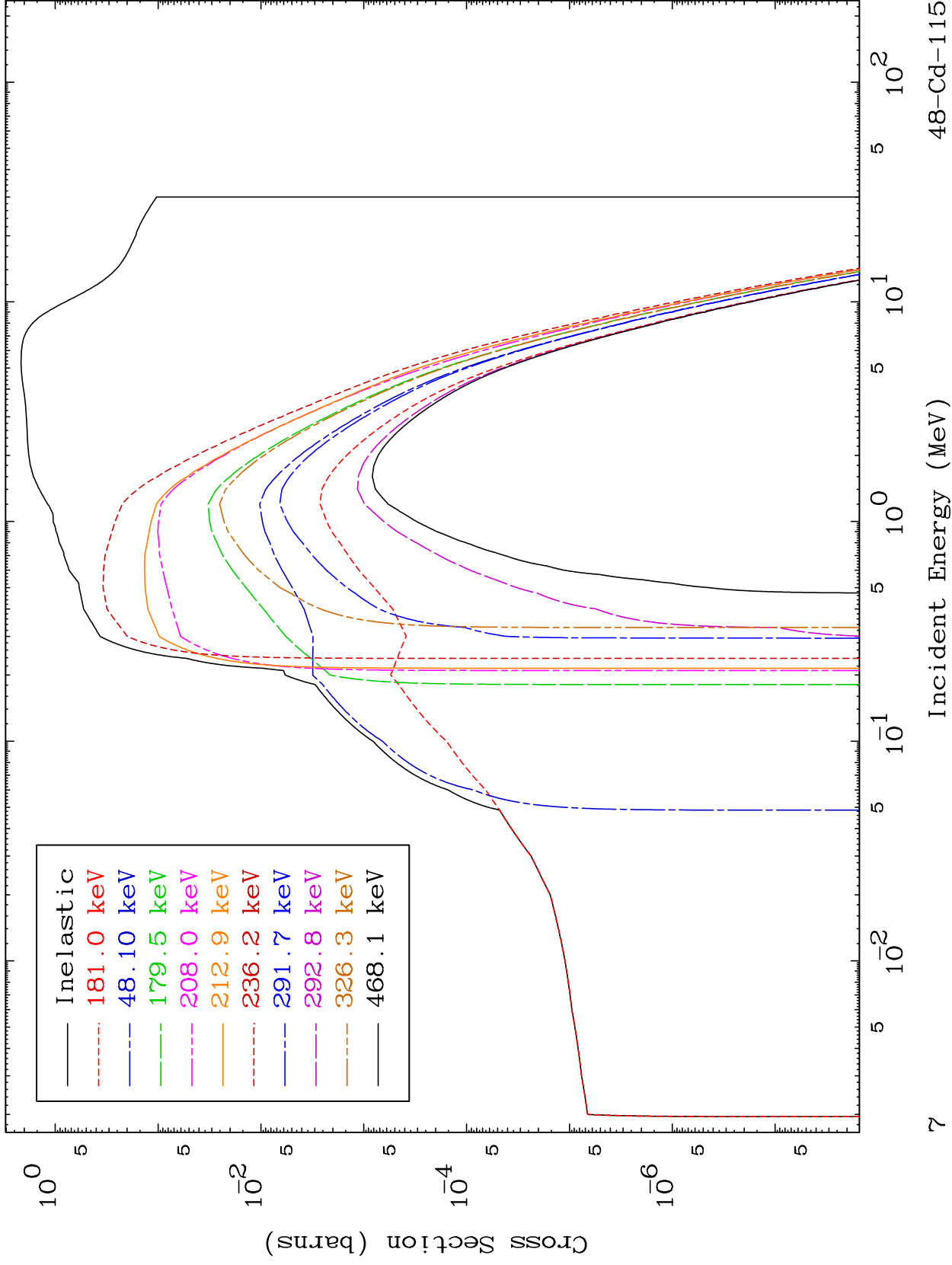
48-Cd-115



MAT 4853

(n,n') Level
293 Kelvin Cross Sections

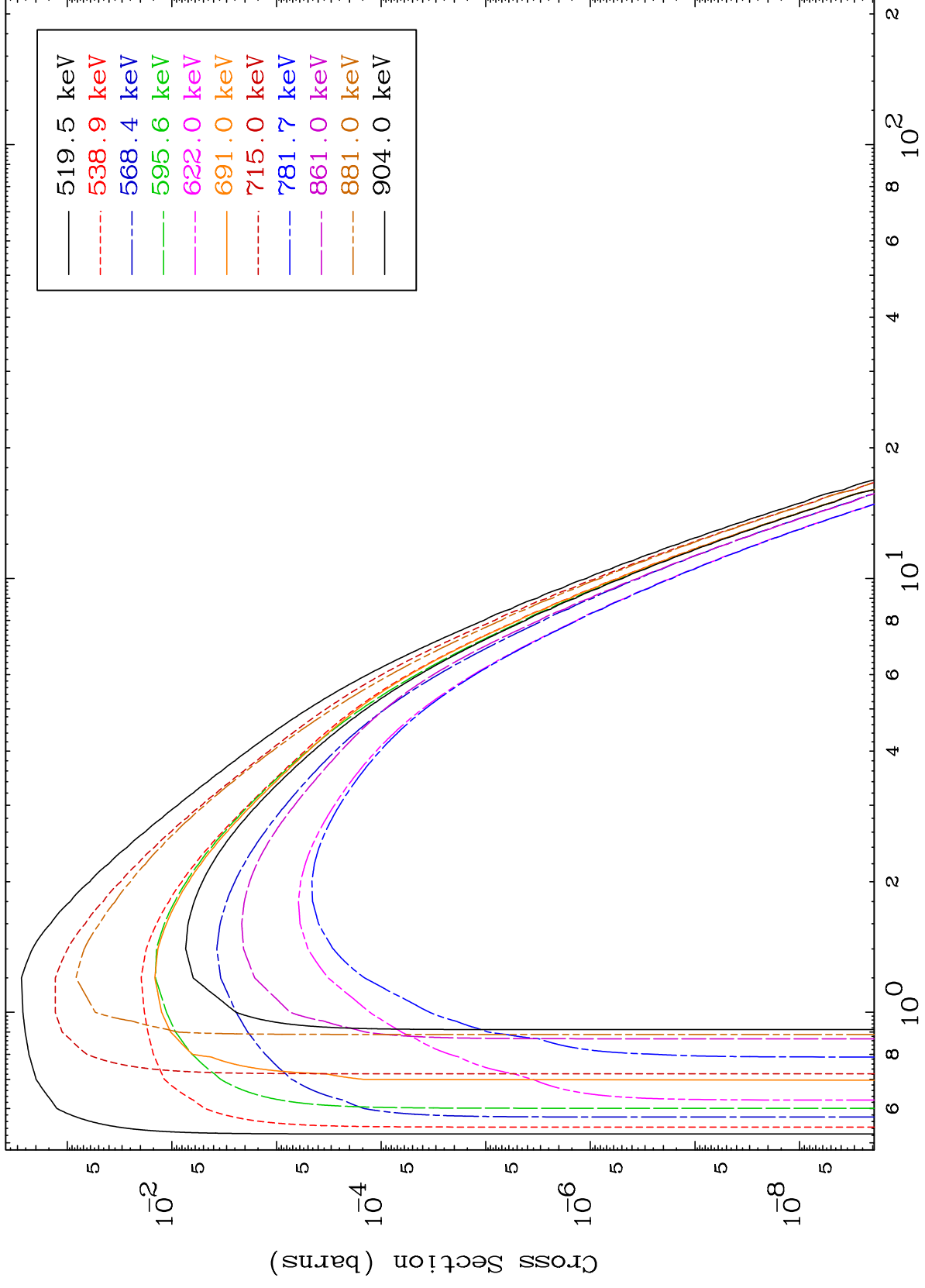
48-Cd-115



MAT 4853

(n,n') Level
293 Kelvin Cross Sections

48-Cd-115



8

Incident Energy (MeV)

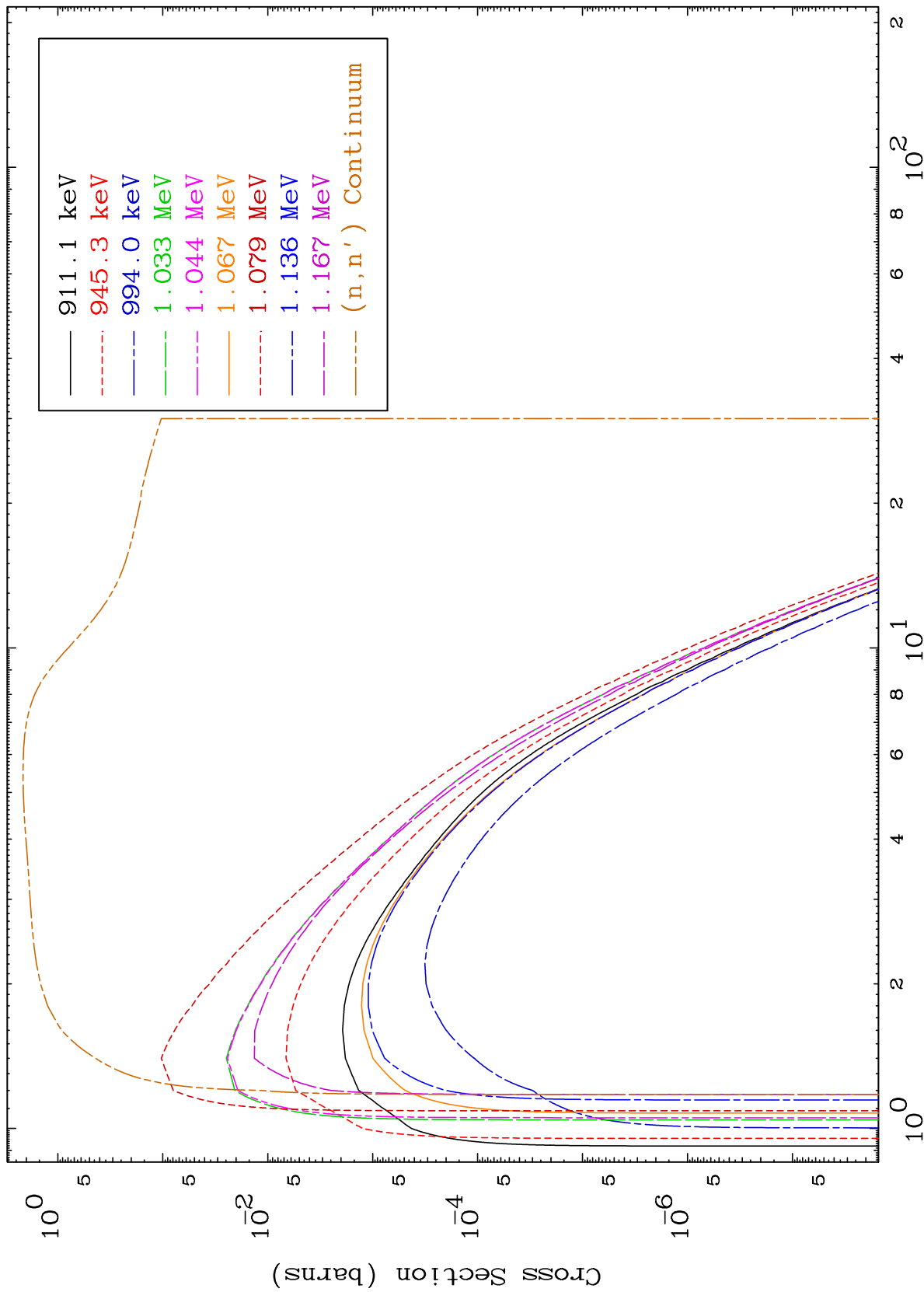
48-Cd-115

MAT 4853

(n,n') Level

48-Cd-115

293 Kelvin Cross Sections



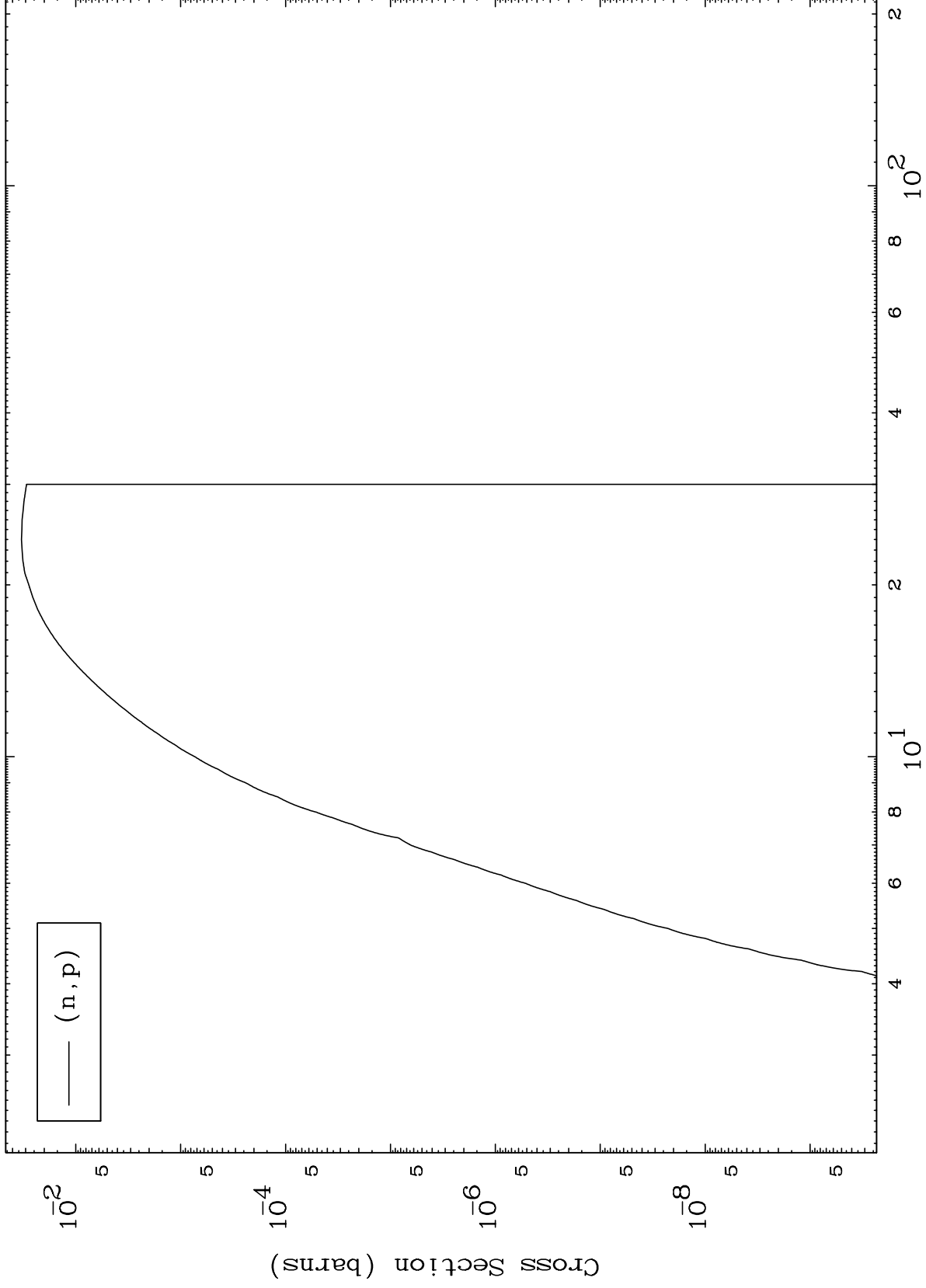
Incident Energy (MeV)

48-Cd-115

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(n,p) Levels
293 Kelvin Cross Sections

48-Cd-115



10

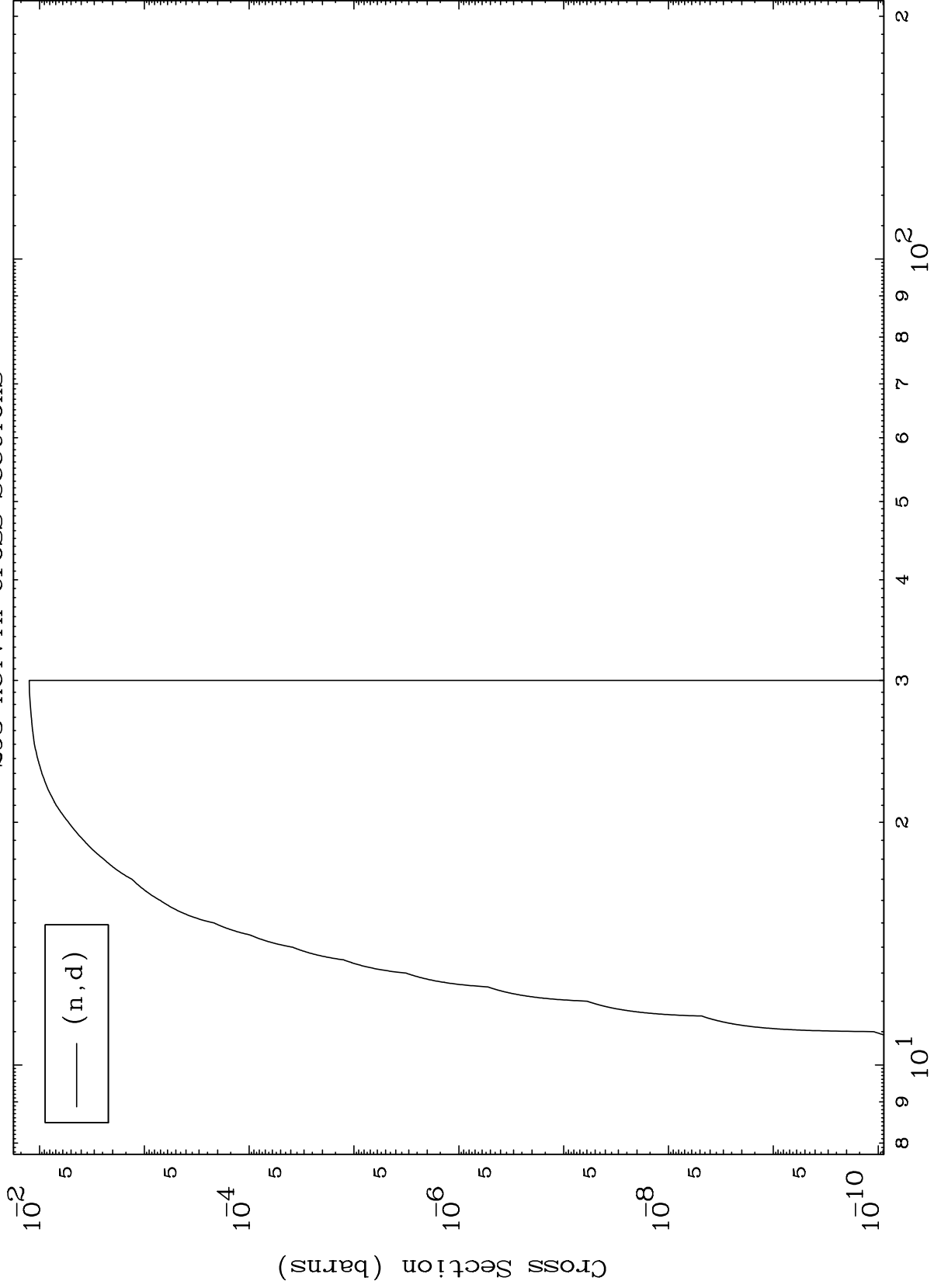
Incident Energy (MeV)

48-Cd-115

MAT 4853

(n,d) Levels
293 Kelvin Cross Sections

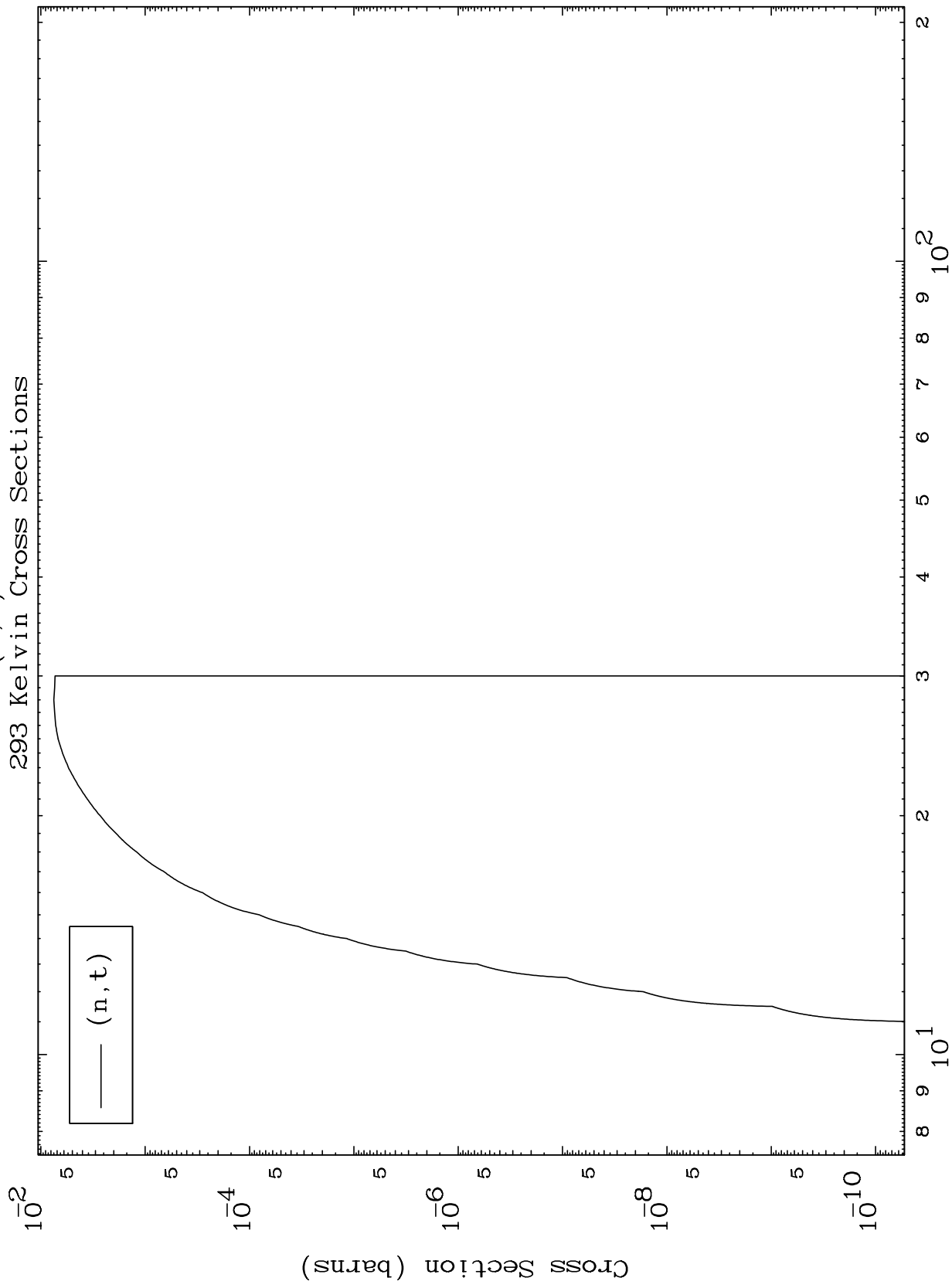
48-Cd-115



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48-Cd-115

(n,t) Levels
293 Kelvin Cross Sections



48-Cd-115

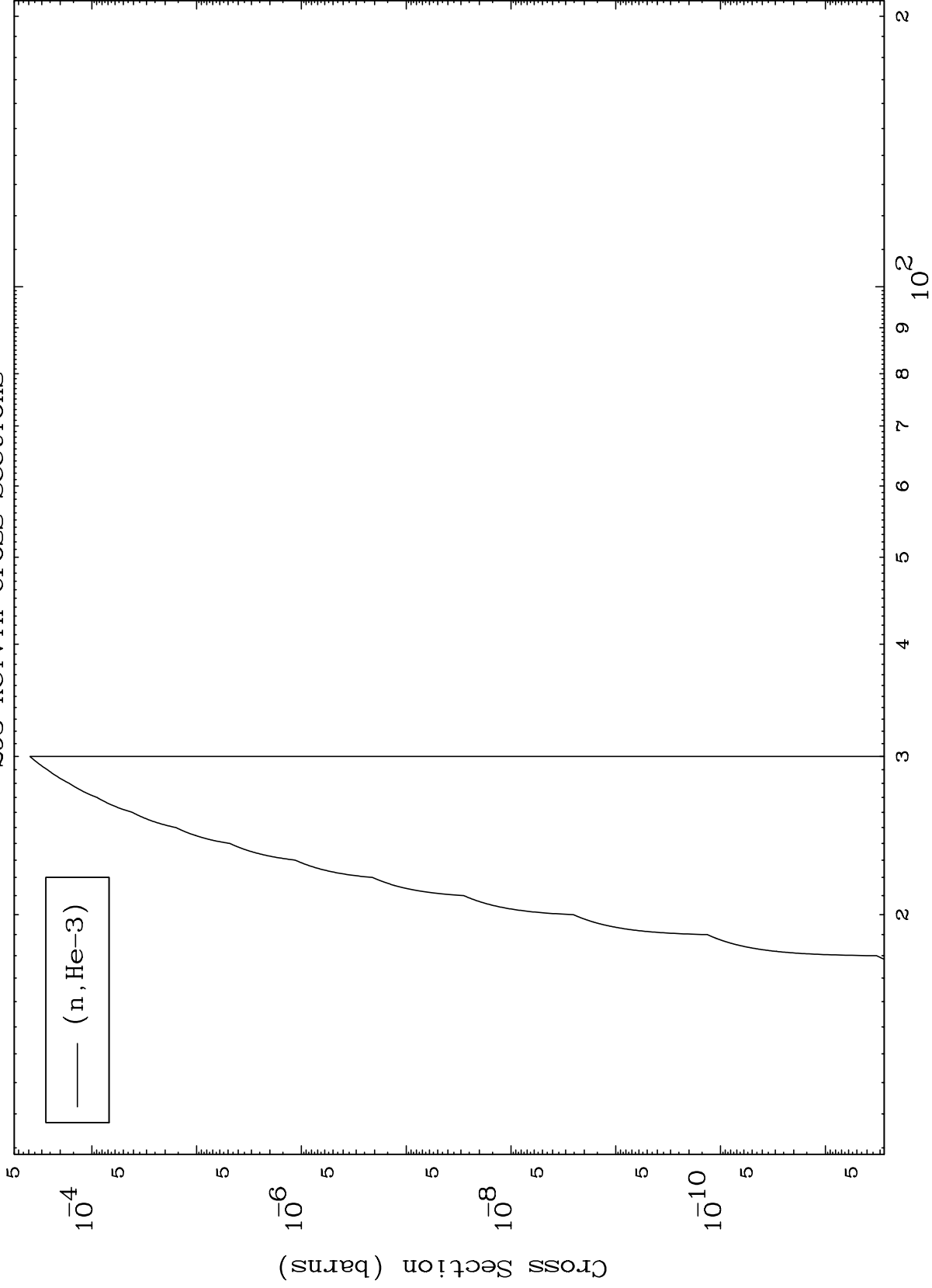
Incident Energy (MeV)

12

MAT 4853

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-115



13

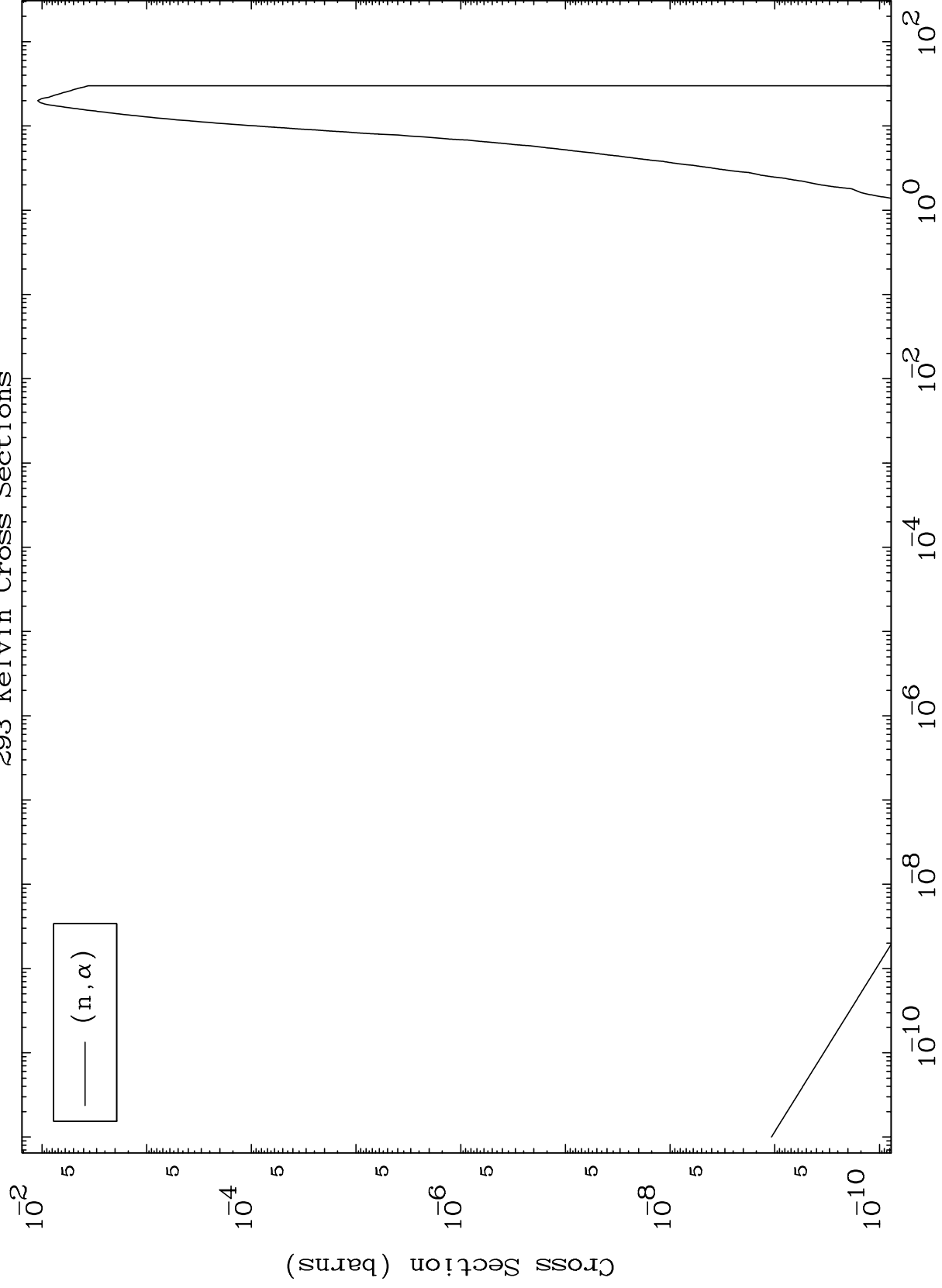
Incident Energy (MeV)

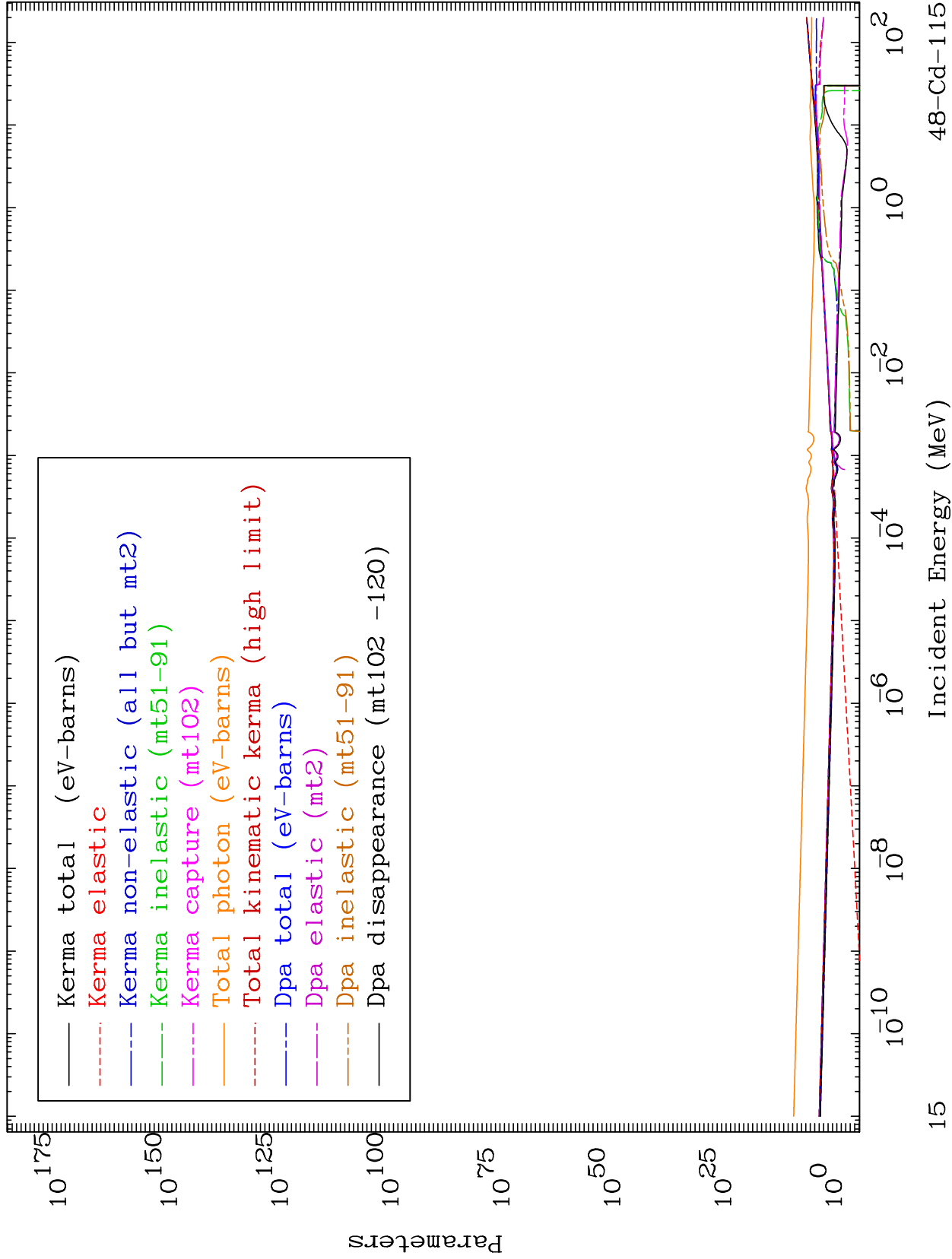
48-Cd-115

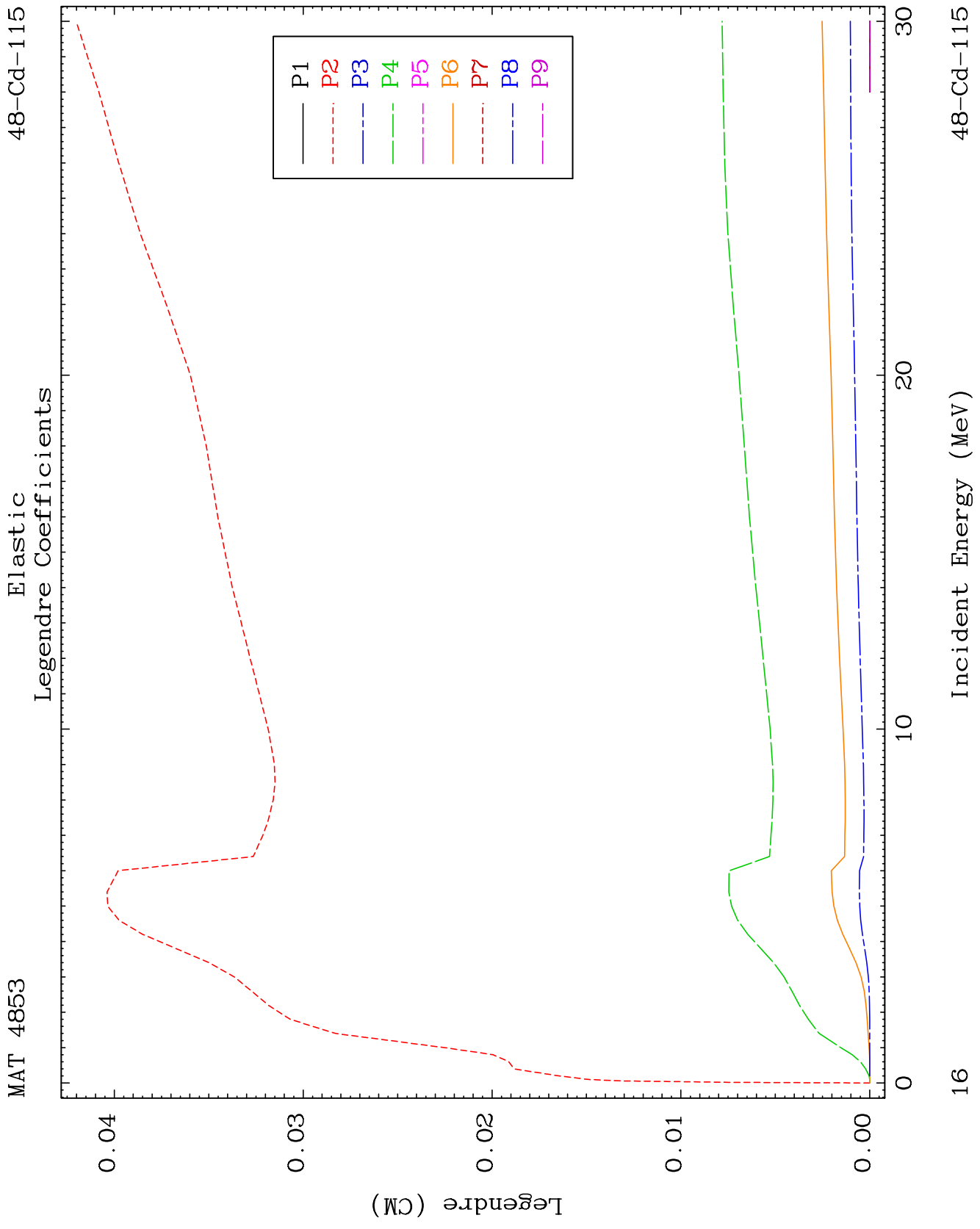
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(n, α) Levels
293 Kelvin Cross Sections

48-Cd-115



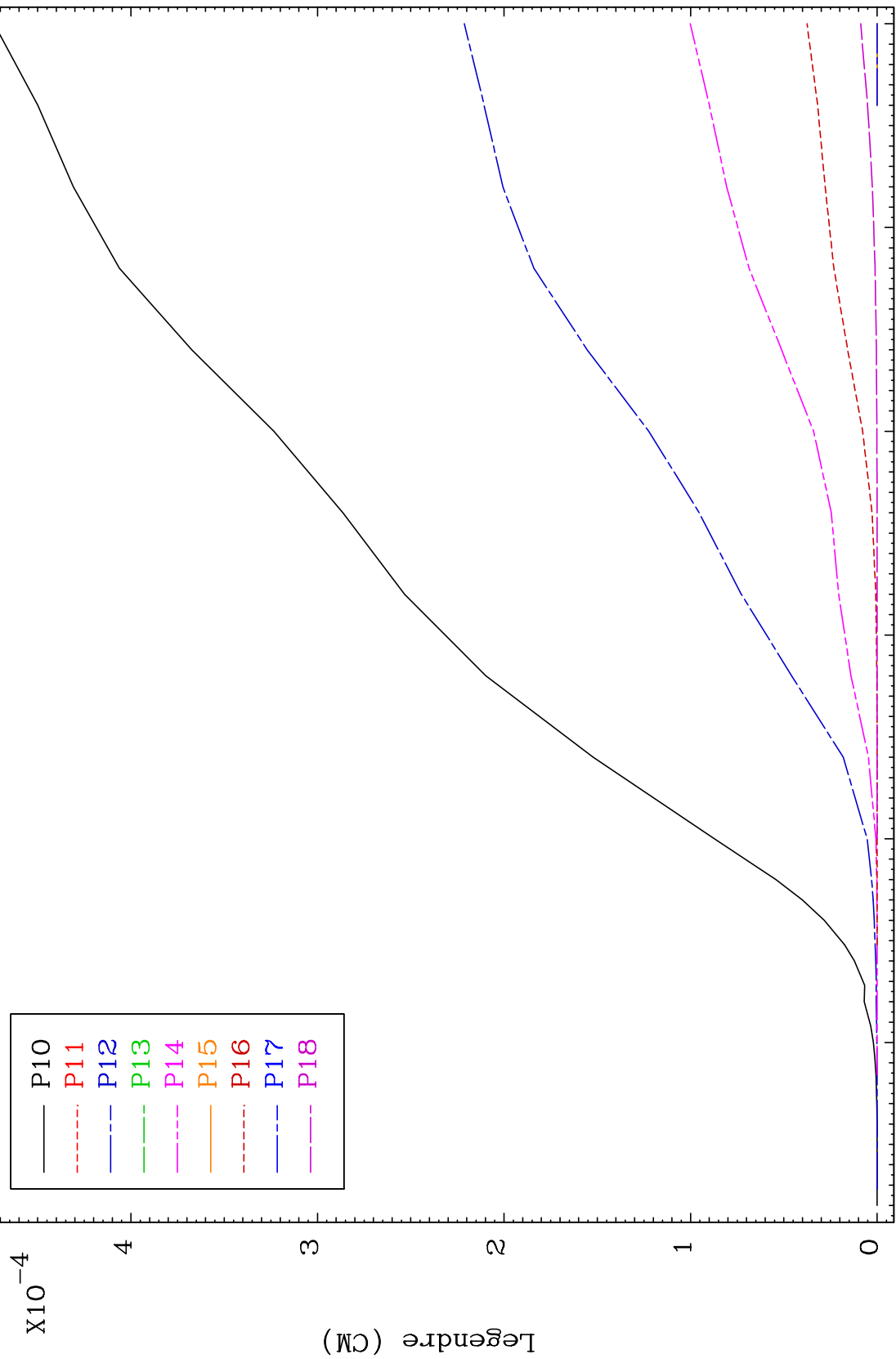
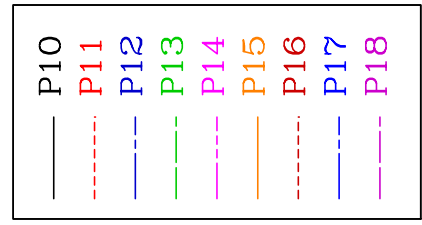




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Elastic Legendre Coefficients

48-Cd-115



17

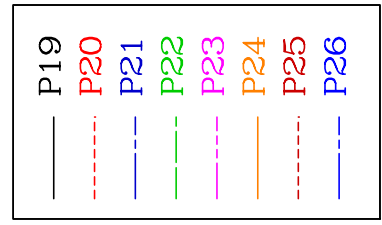
Incident Energy (MeV)

48-Cd-115

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Elastic Legendre Coefficients

48-Cd-115



$\times 10^{-7}$

Legendre (CM)

4

3

2

1

0

15

20

25

30

18

Incident Energy (MeV)

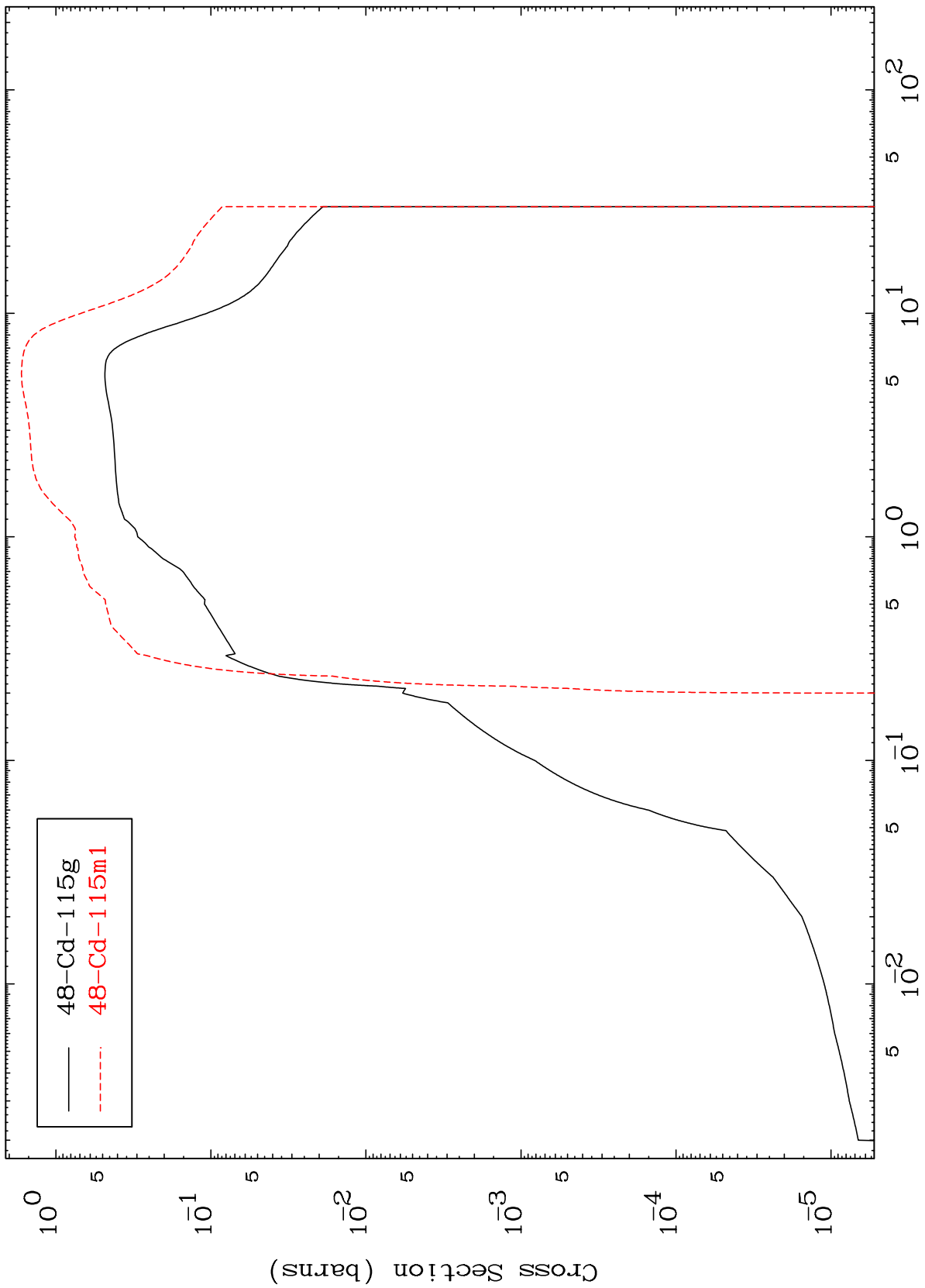
48-Cd-115



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48-Cd-115

Radionuclide Production Cross Section



— 48-Cd-115g
- - - 48-Cd-115m1

19

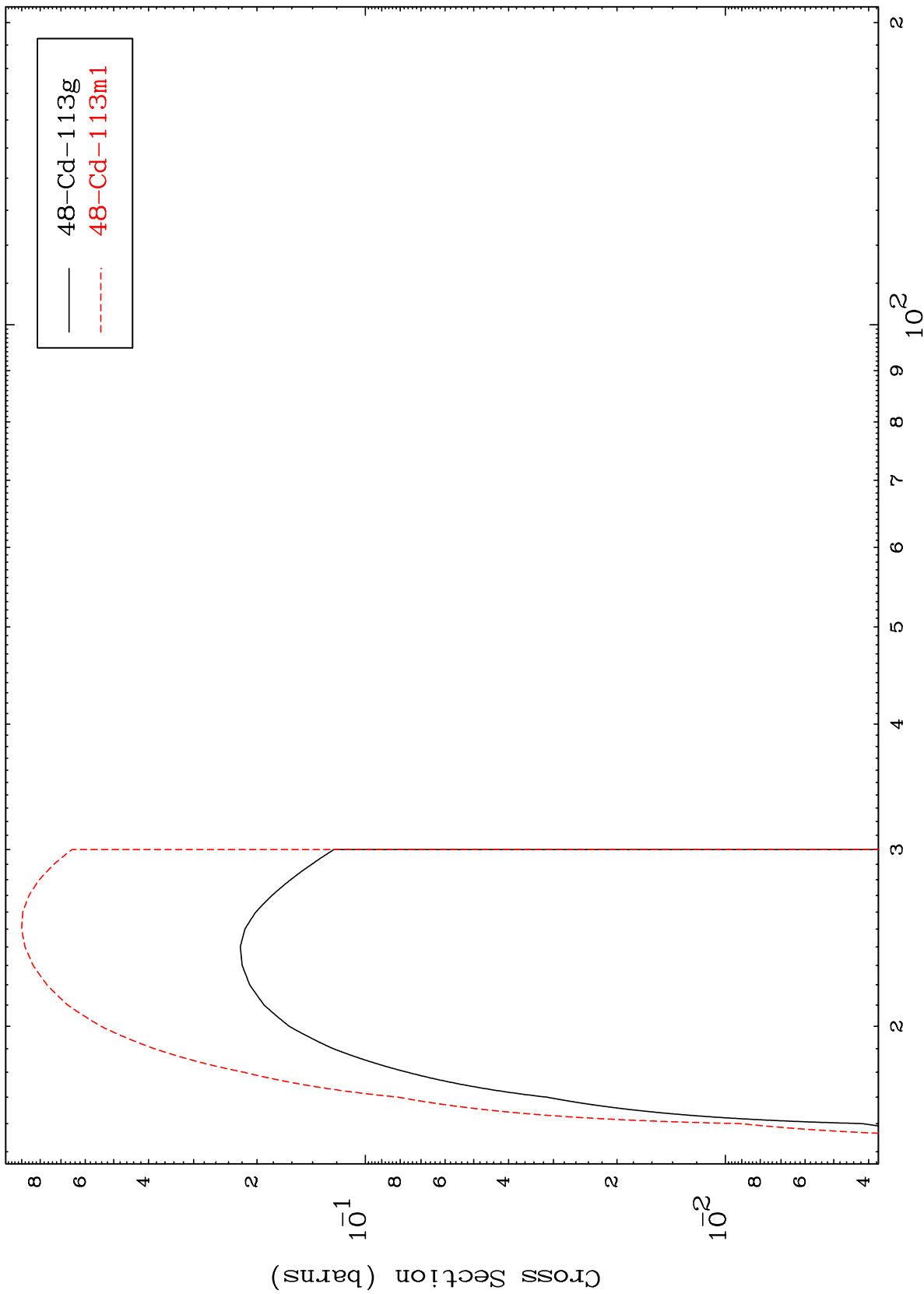
48-Cd-115

Incident Energy (MeV)

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48-Cd-115

(n,3n)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

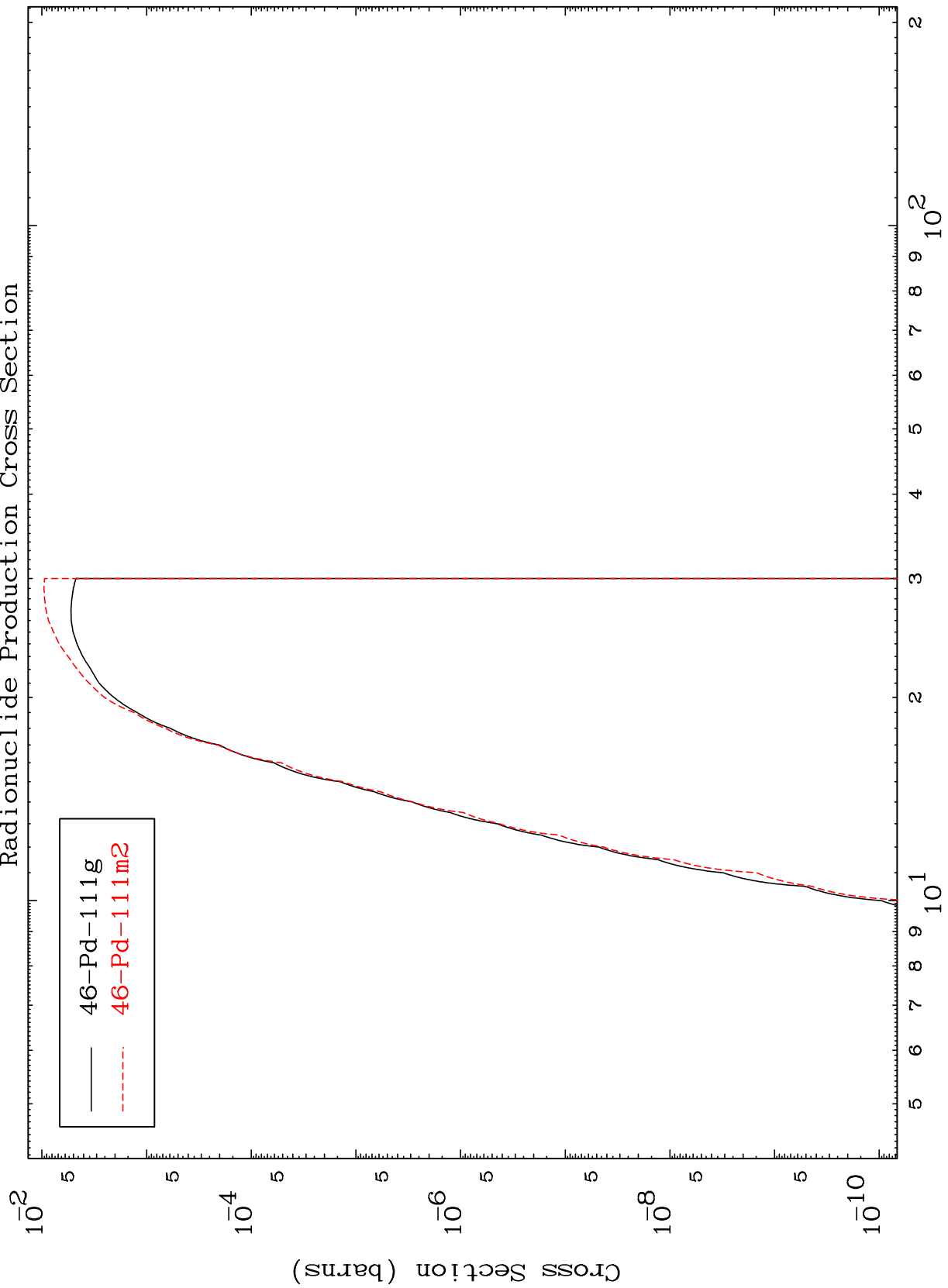
48-Cd-115

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48-Cd-115

(n,n') α

Radionuclide Production Cross Section

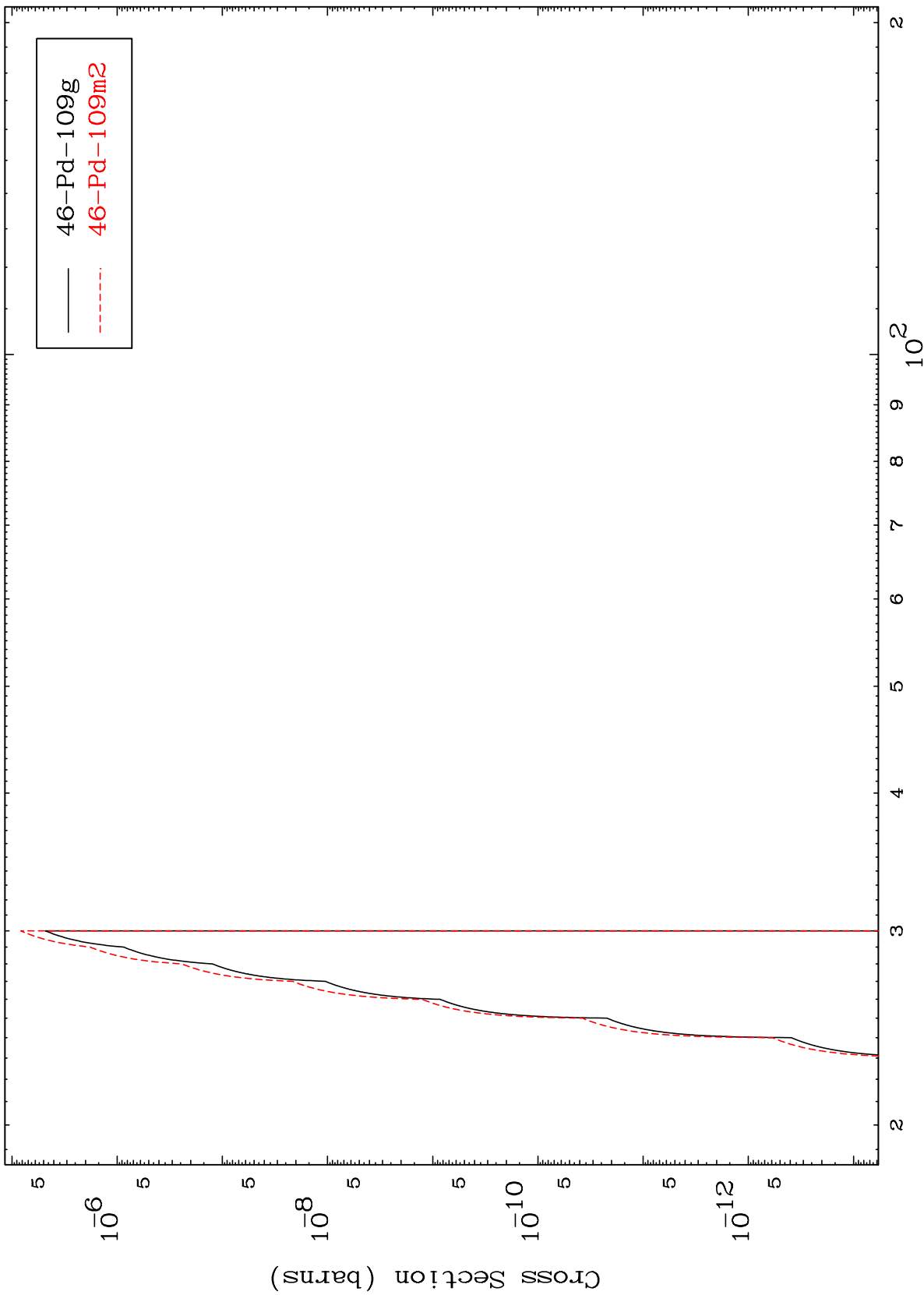


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(n,3n) α

48-Cd-115

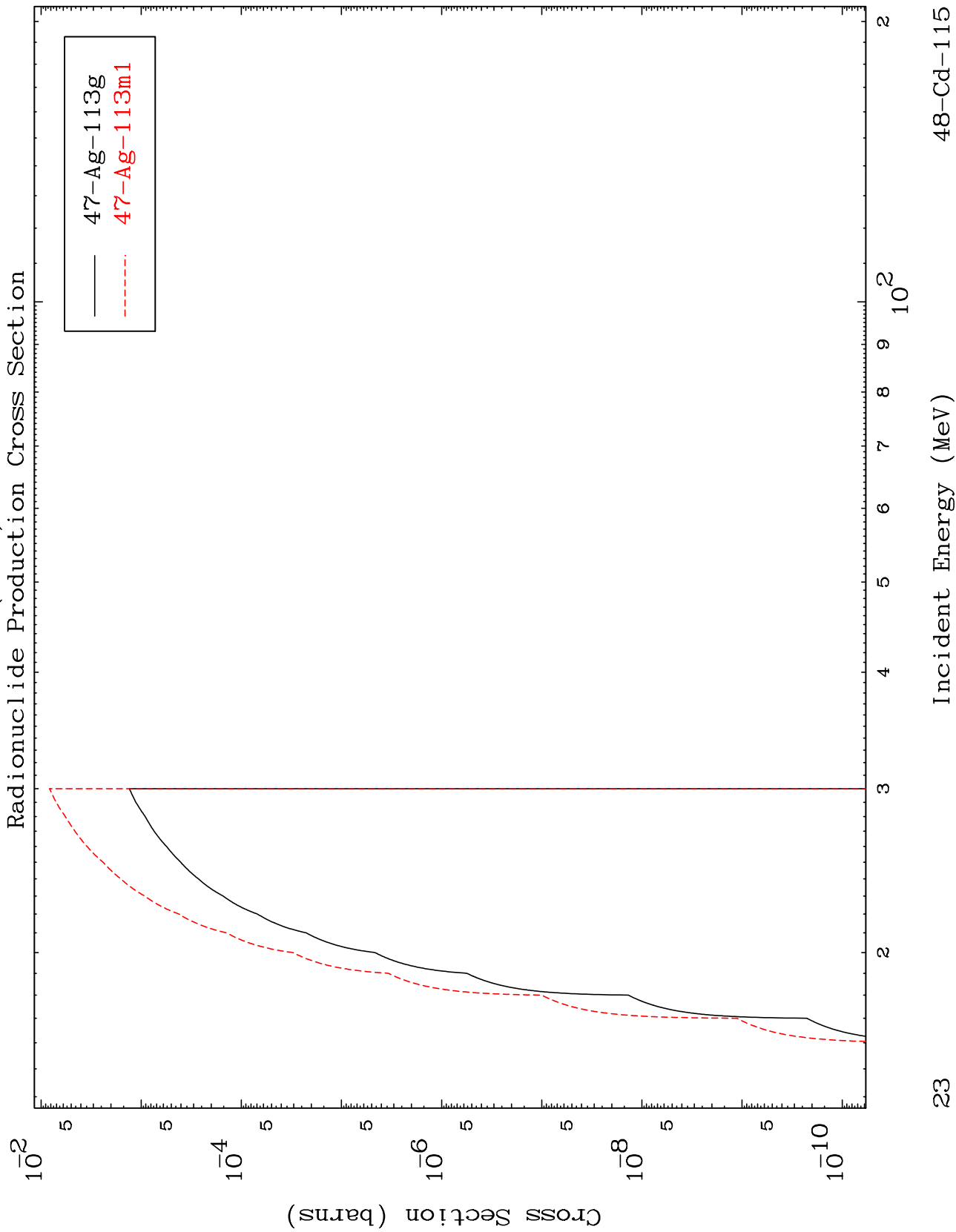
Radionuclide Production Cross Section



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(n,n') d

48-Cd-115



23

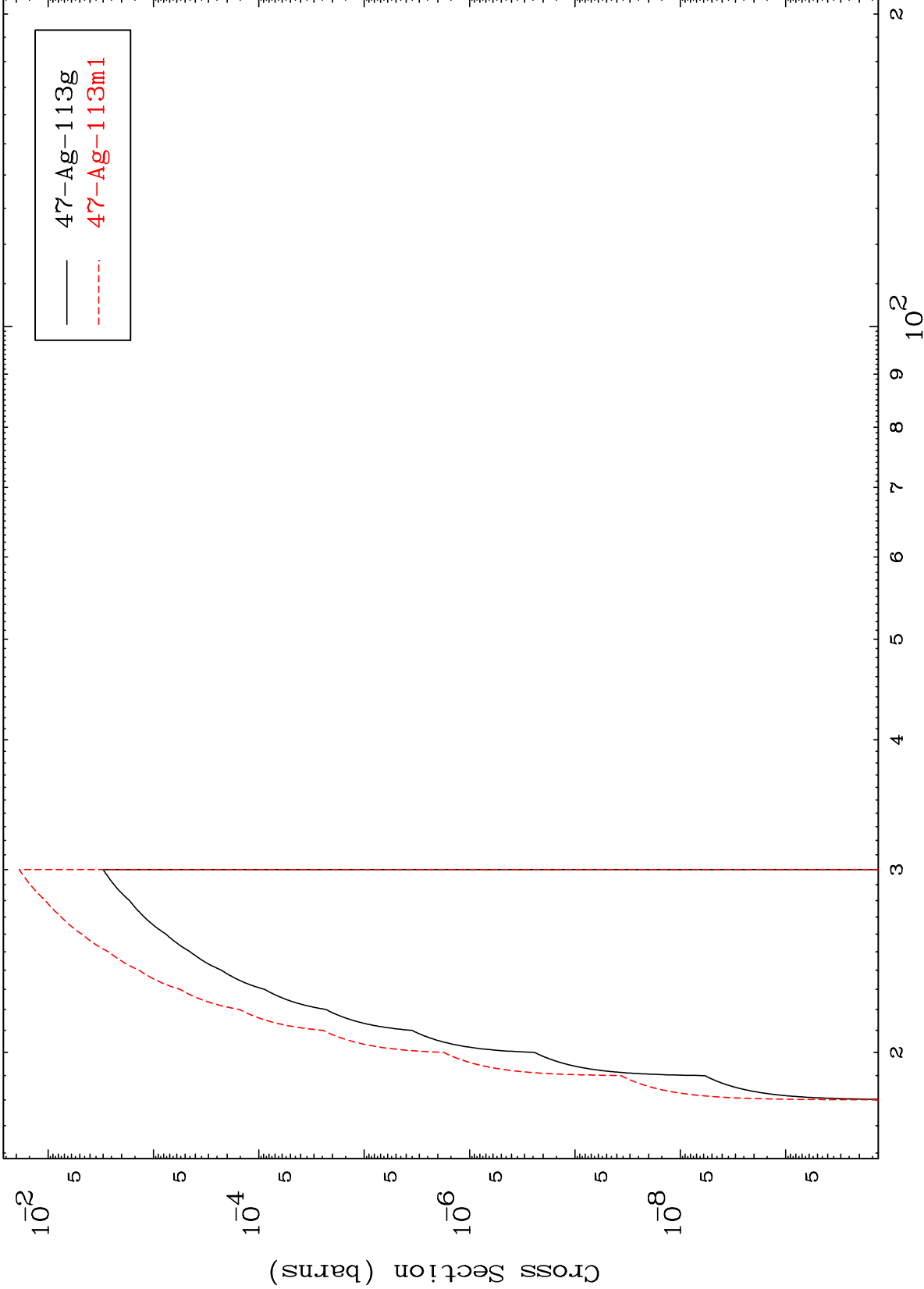
48-Cd-115

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(n,2n) p

48-Cd-115

Radionuclide Production Cross Section



47-Ag-113g
47-Ag-113m1

24

Incident Energy (MeV)

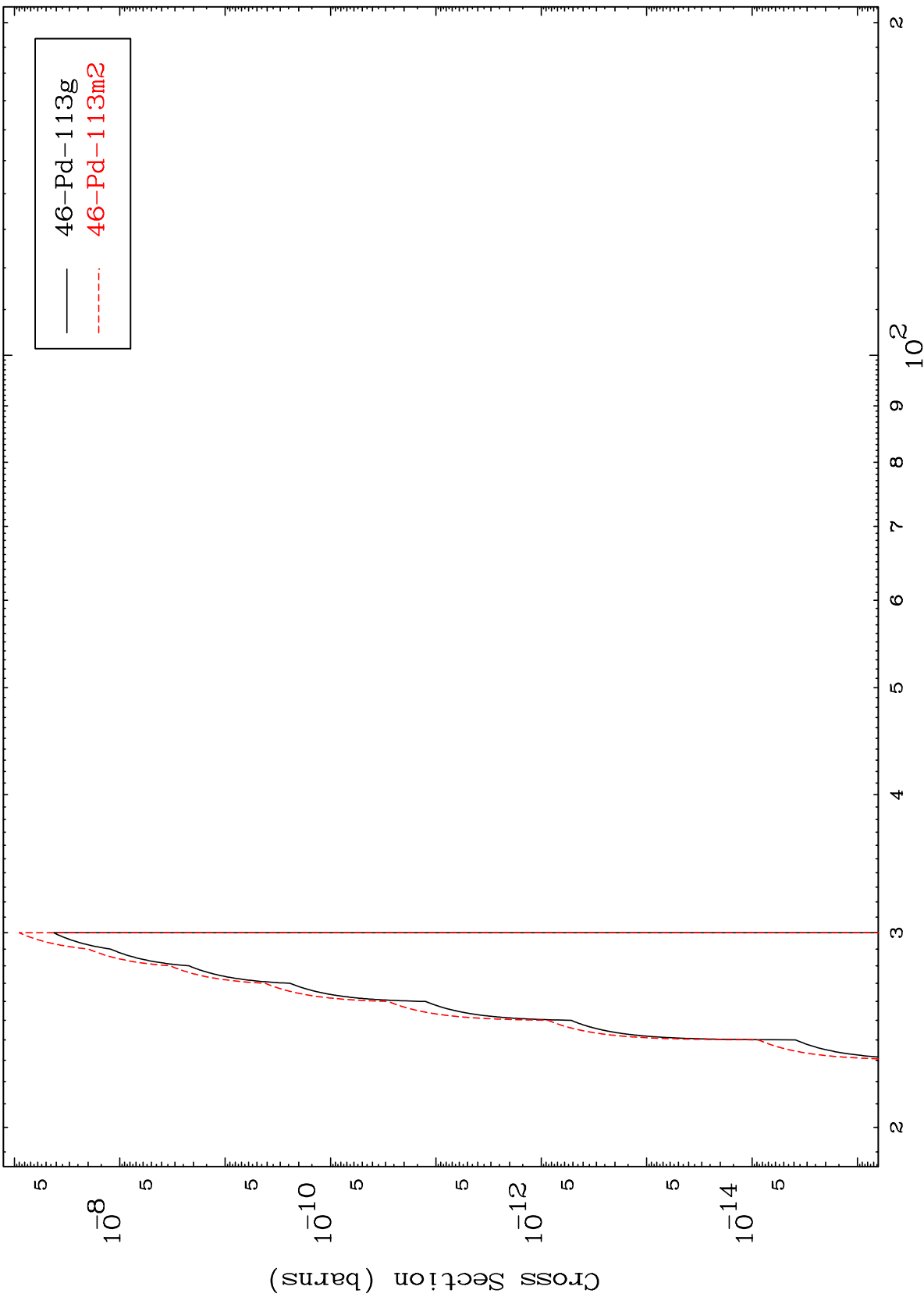
48-Cd-115

MAT 4853

(n,2n) p

48-Cd-115

Radionuclide Production Cross Section



25

Incident Energy (MeV)

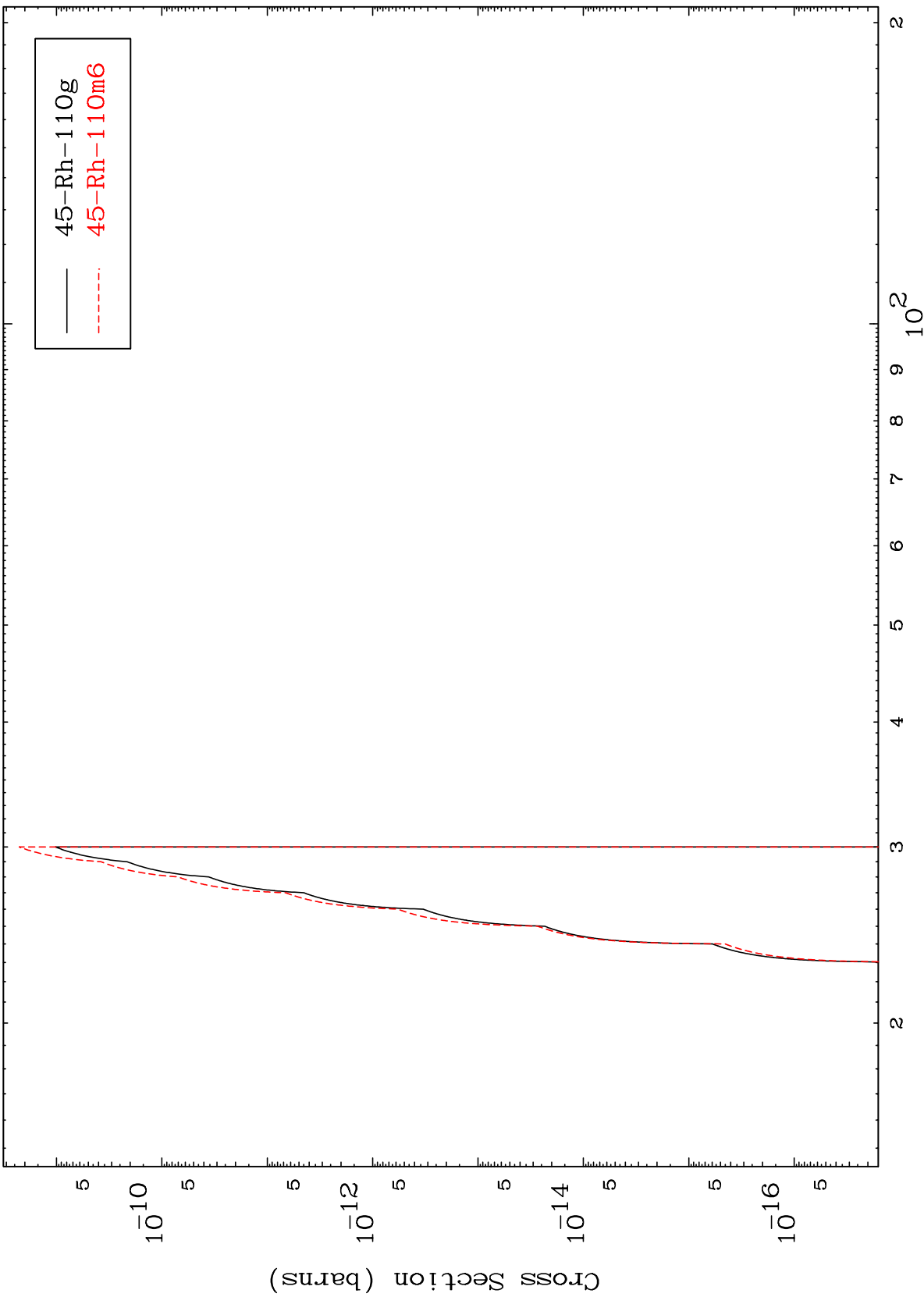
48-Cd-115

MAT 4853

(n,n') p α

48-Cd-115

Radionuclide Production Cross Section



26

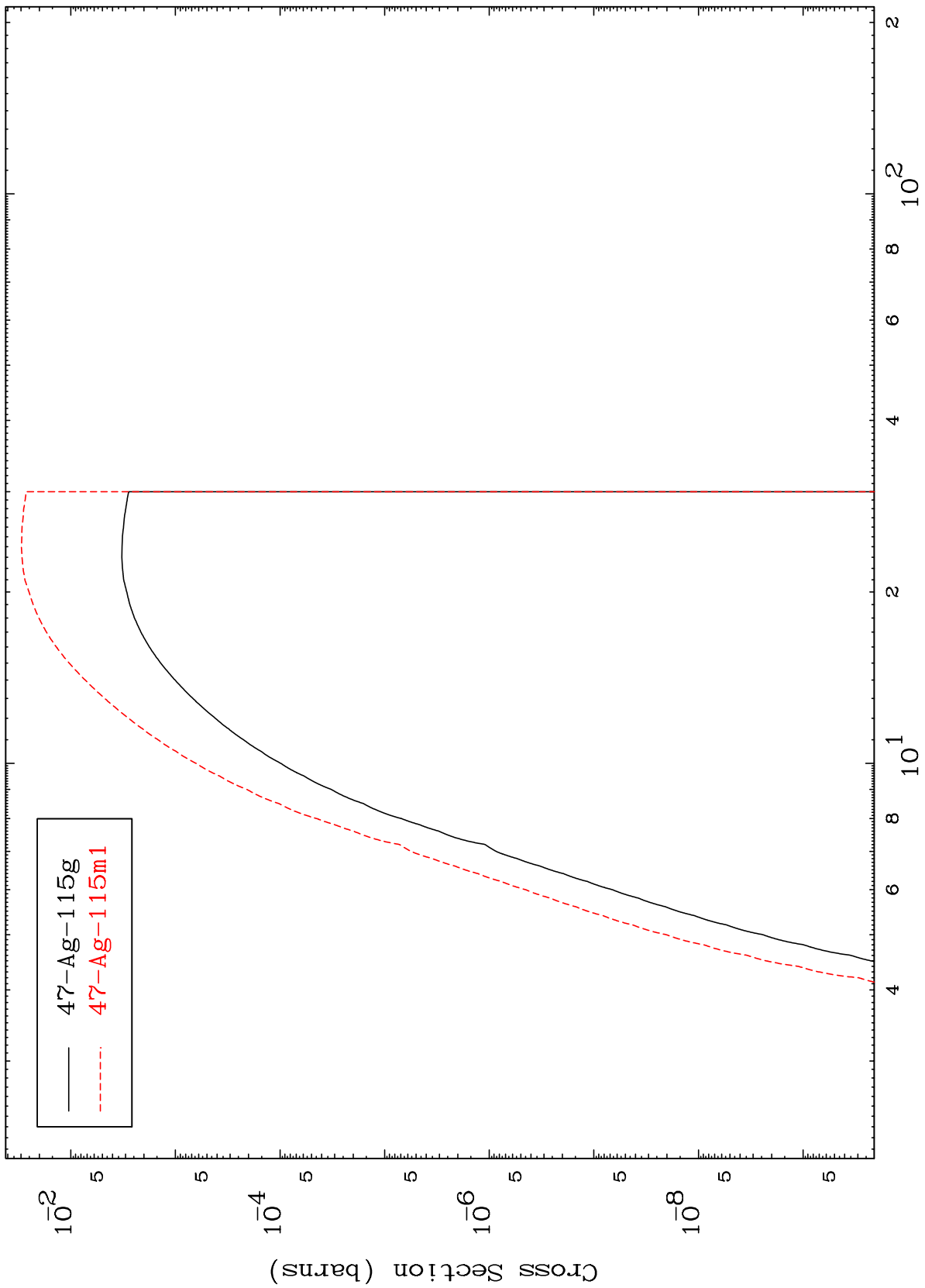
Incident Energy (MeV)

48-Cd-115

MAT 4853

48-Cd-115

(n,p)
Radionuclide Production Cross Section

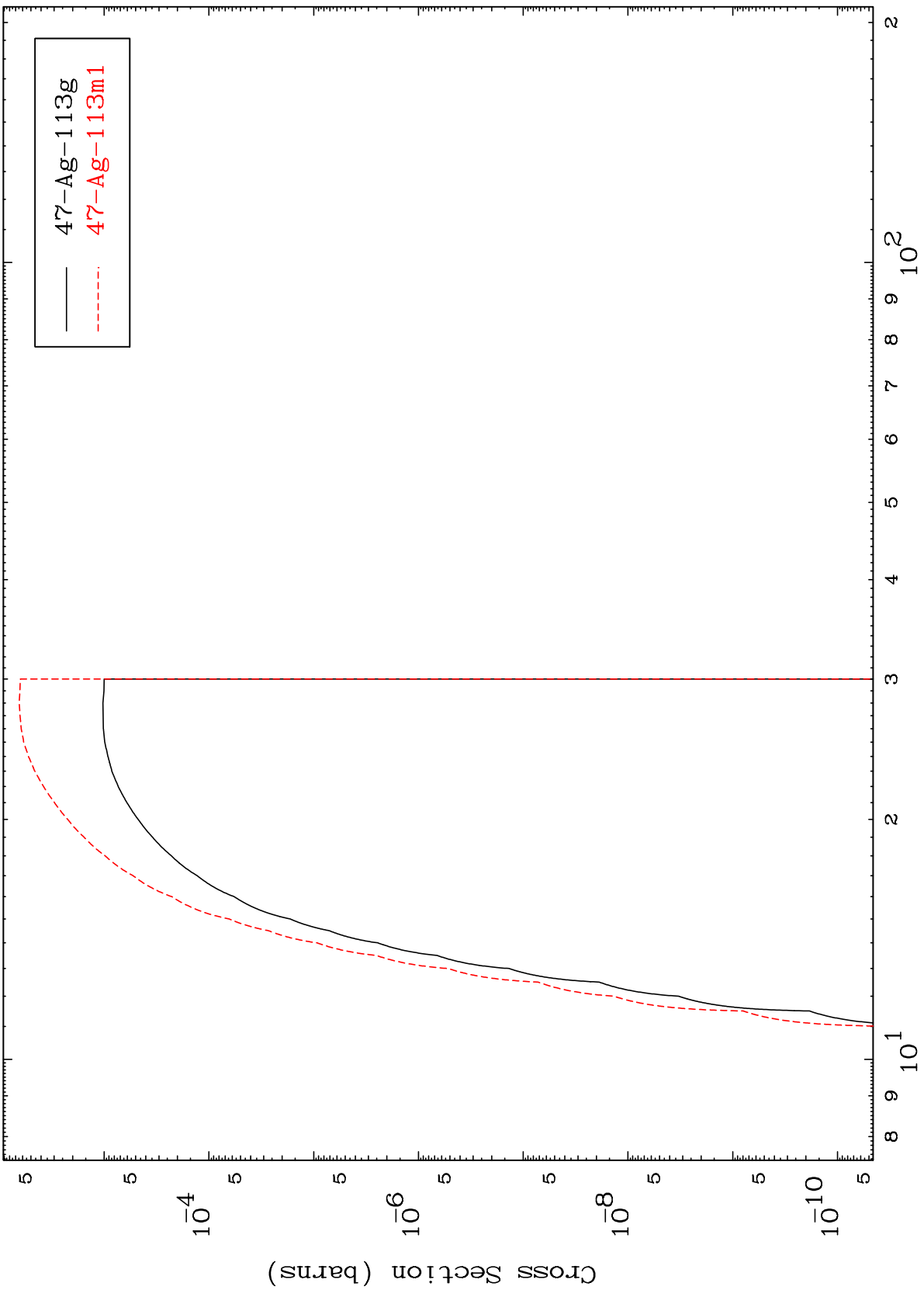


— 47-Ag-115g
- - - 47-Ag-115m1

MAT 4853

48-Cd-115

(n,t)
Radionuclide Production Cross Section



28

Incident Energy (MeV)

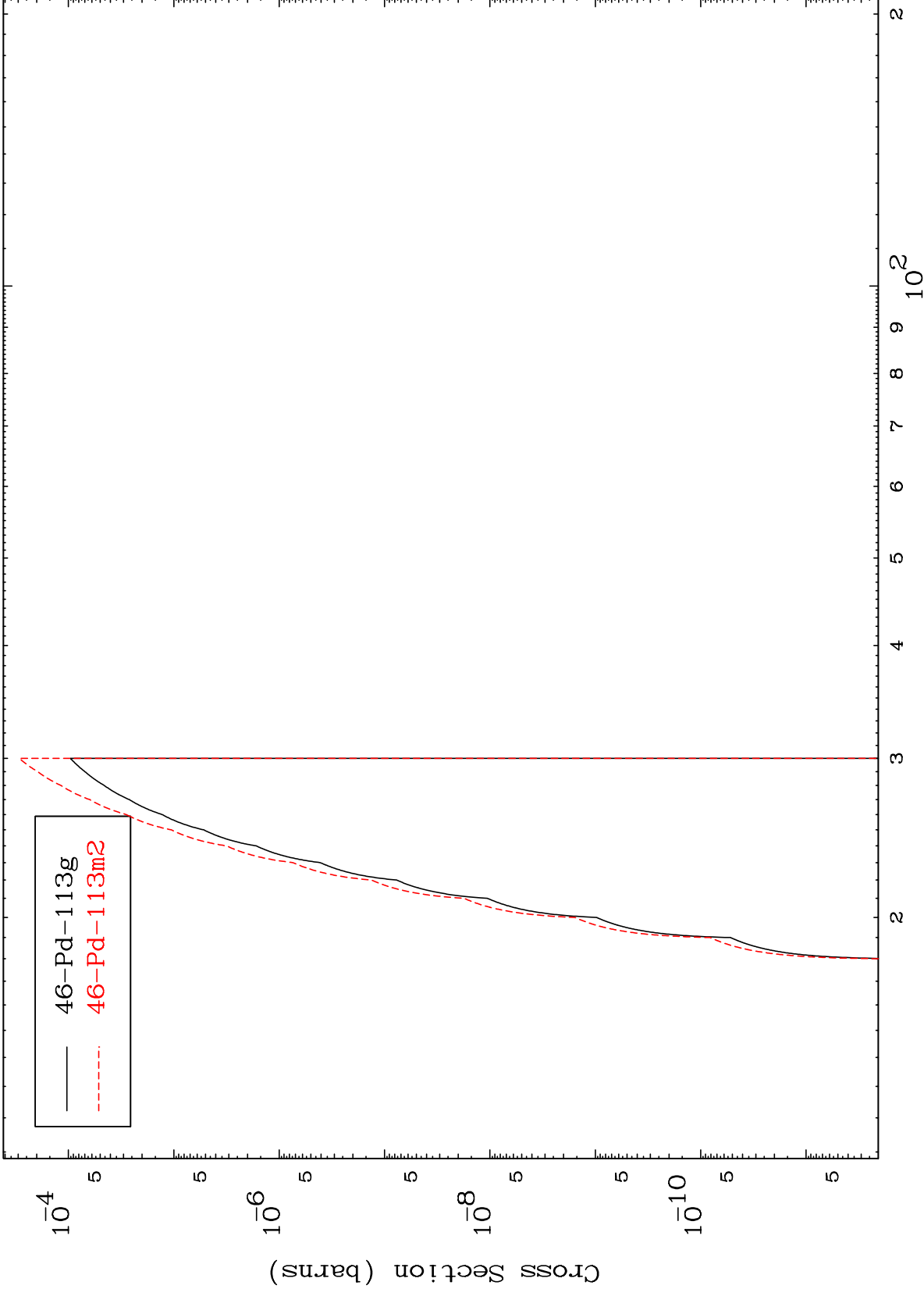
48-Cd-115

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(n,He-3)

48-Cd-115

Radionuclide Production Cross Section

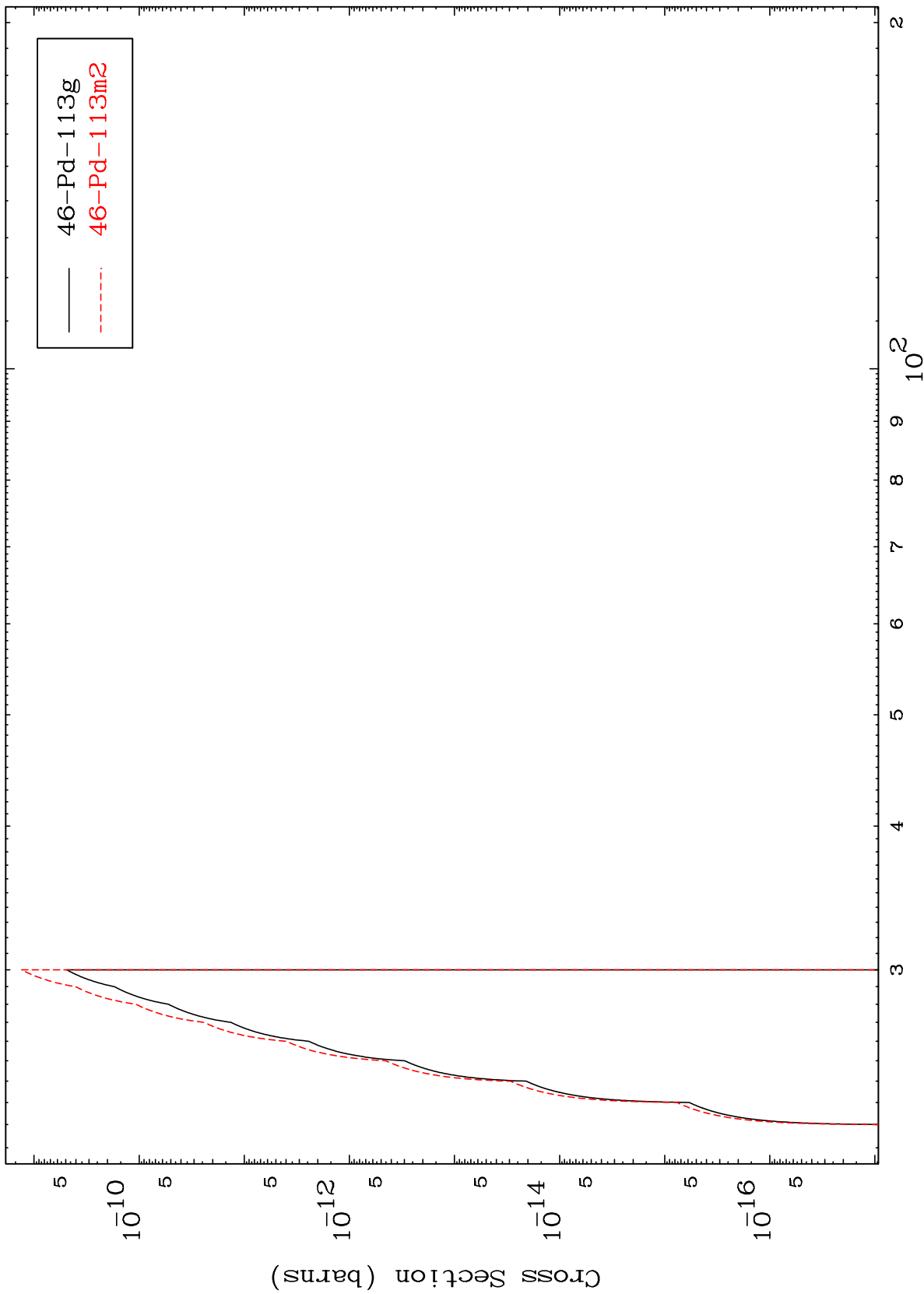


MAT 4853

(n,p) d

48-Cd-115

Radionuclide Production Cross Section



30

Incident Energy (MeV)

48-Cd-115