

Program EVALPLOT
(Version 2015-2)

by

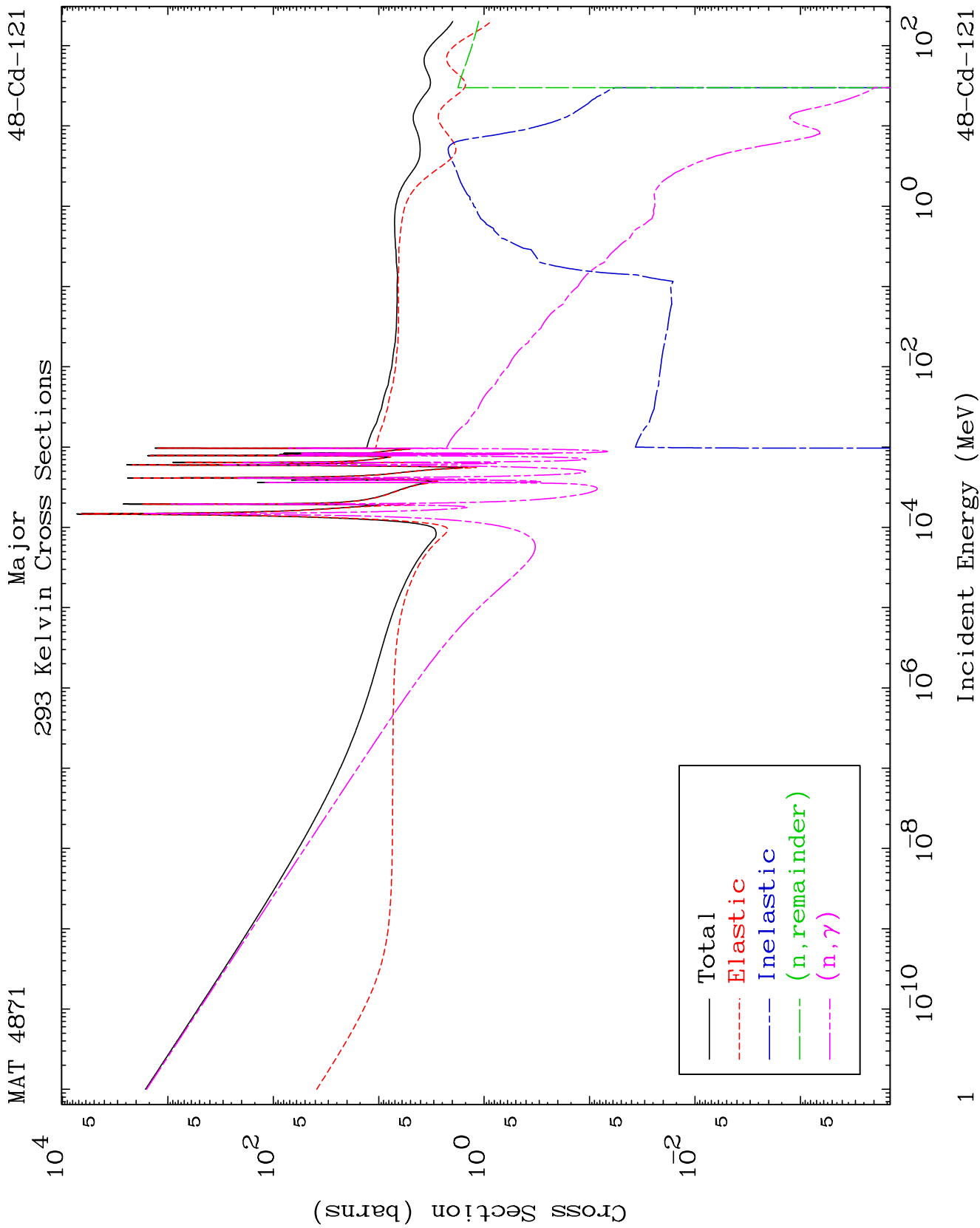
Dermott E. Cullen
(Present Contact Information)

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

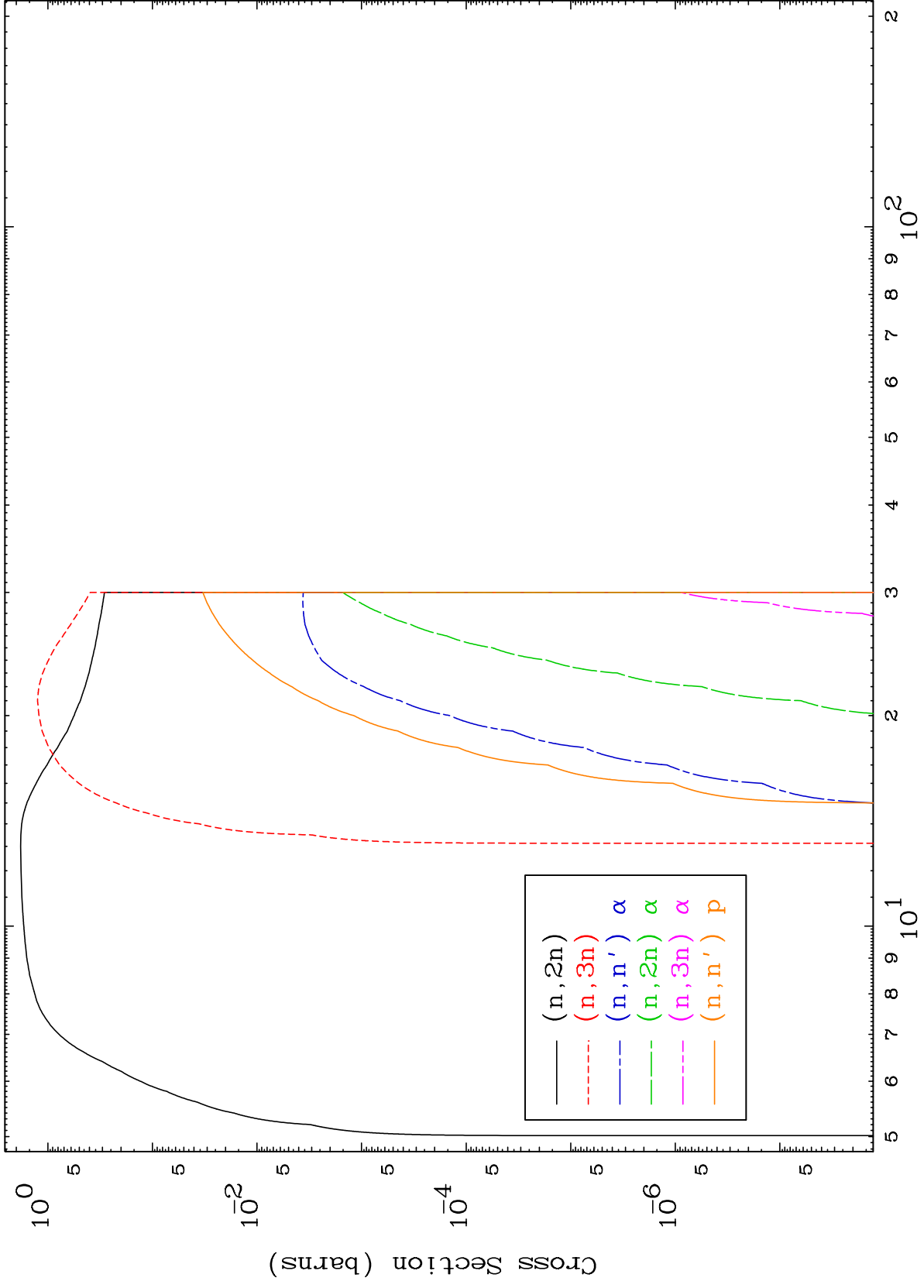
Press Mouse Button to Start



MAT 4871

Neutron Production
293 Kelvin Cross Sections

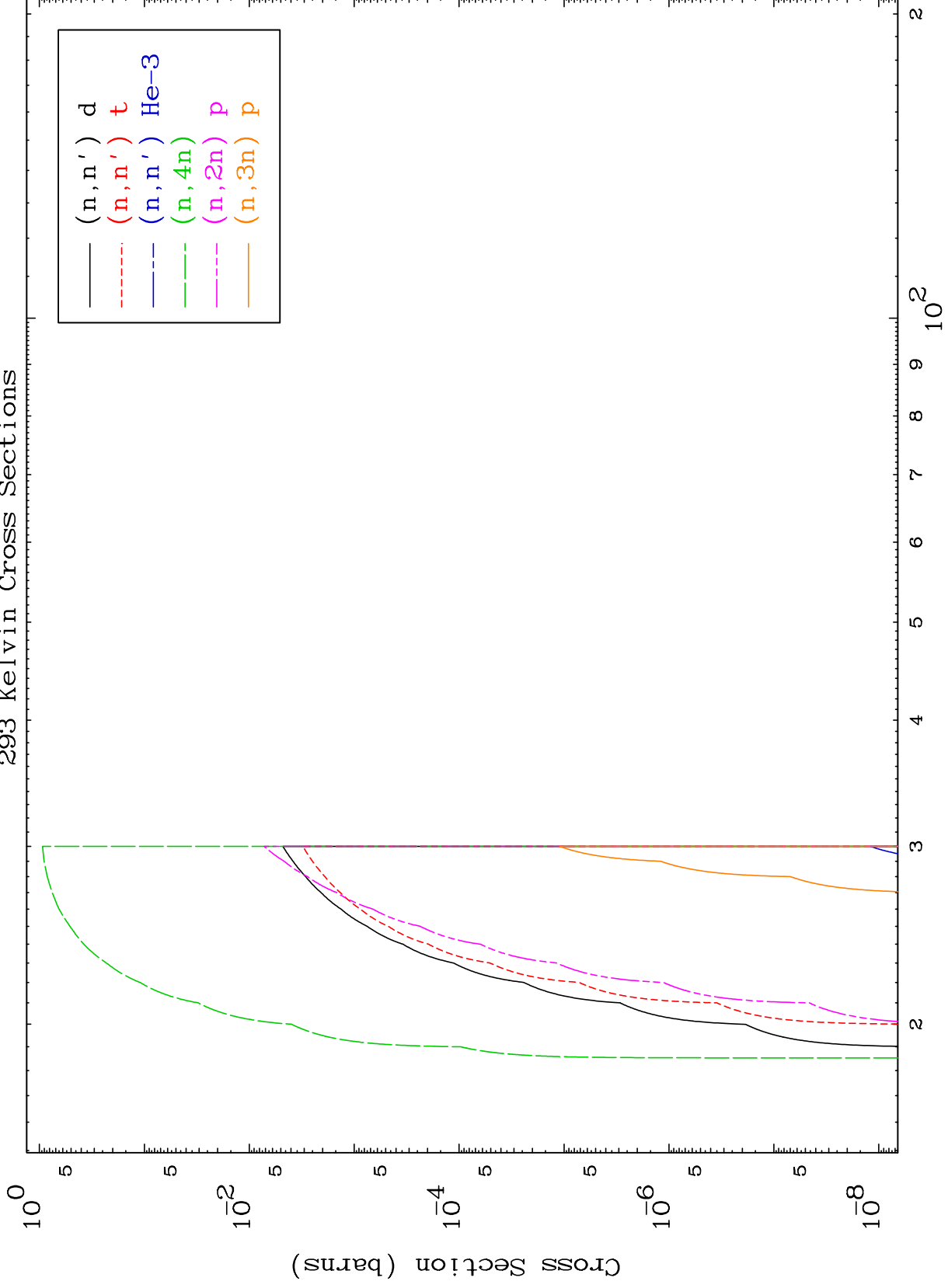
48-Cd-121



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Incident Energy (MeV)

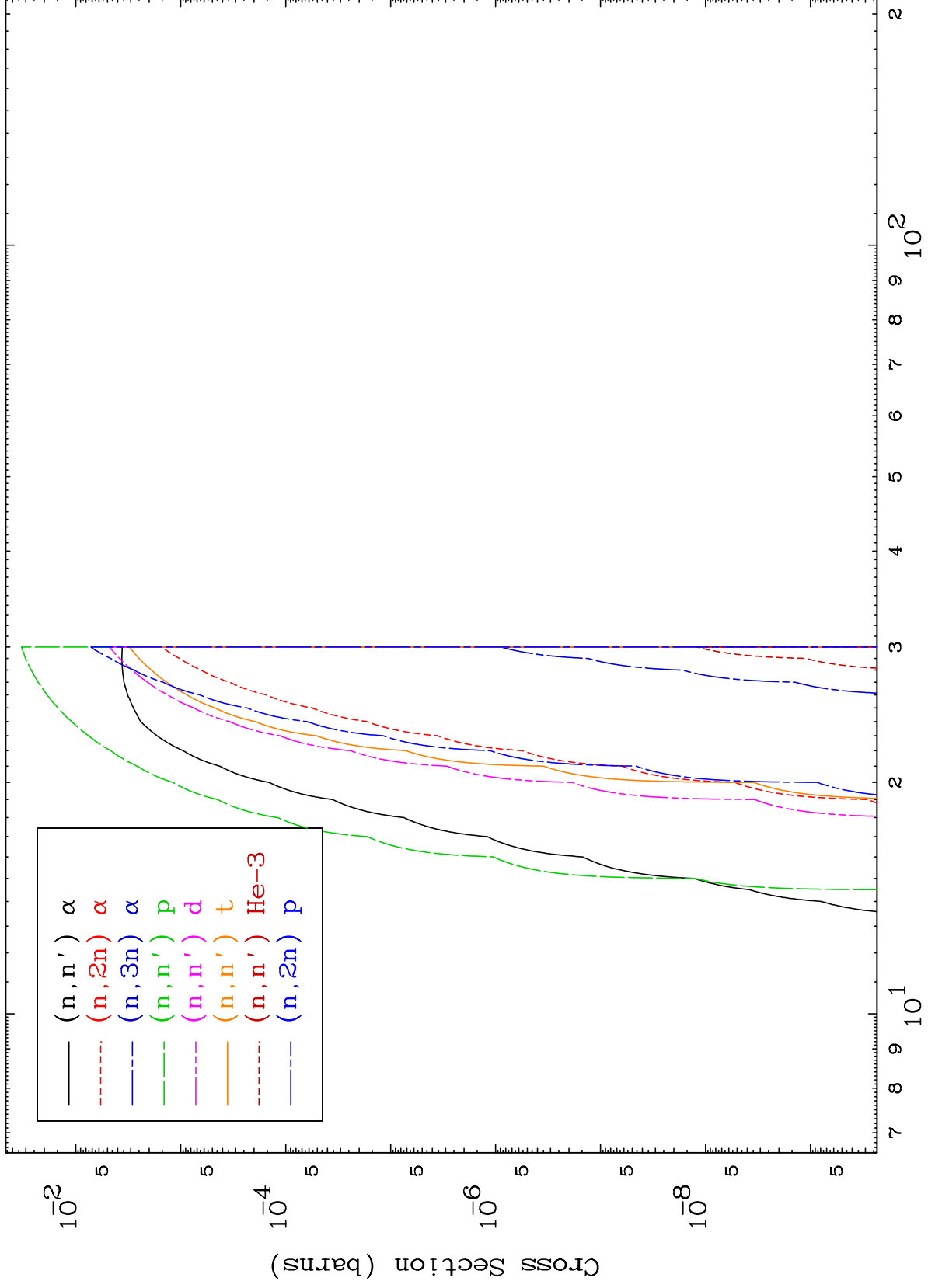
48-Cd-121



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Charged Particle
293 Kelvin Cross Sections

48-Cd-121



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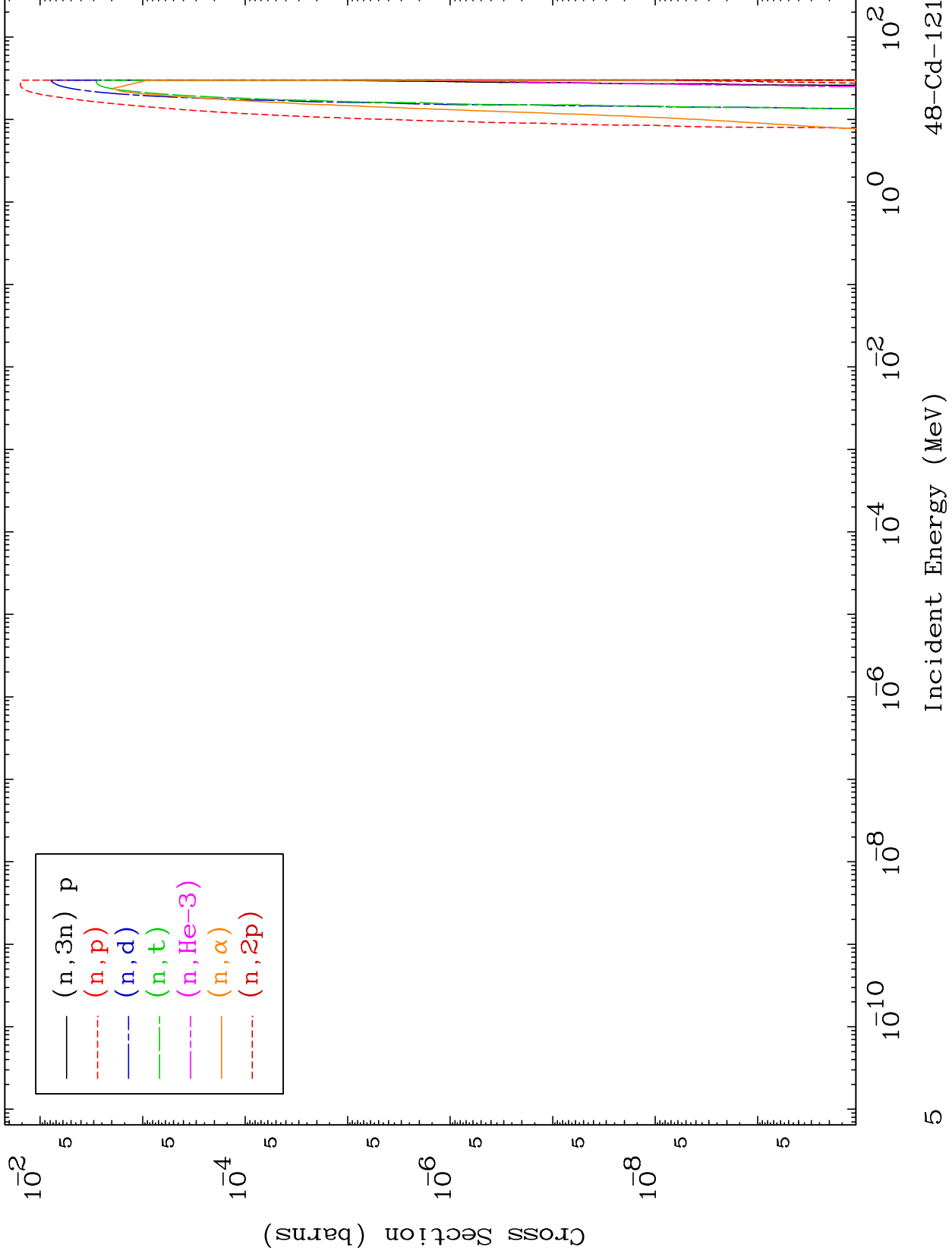
Incident Energy (MeV)

48-Cd-121

MAT 4871

Charged Particle
293 Kelvin Cross Sections

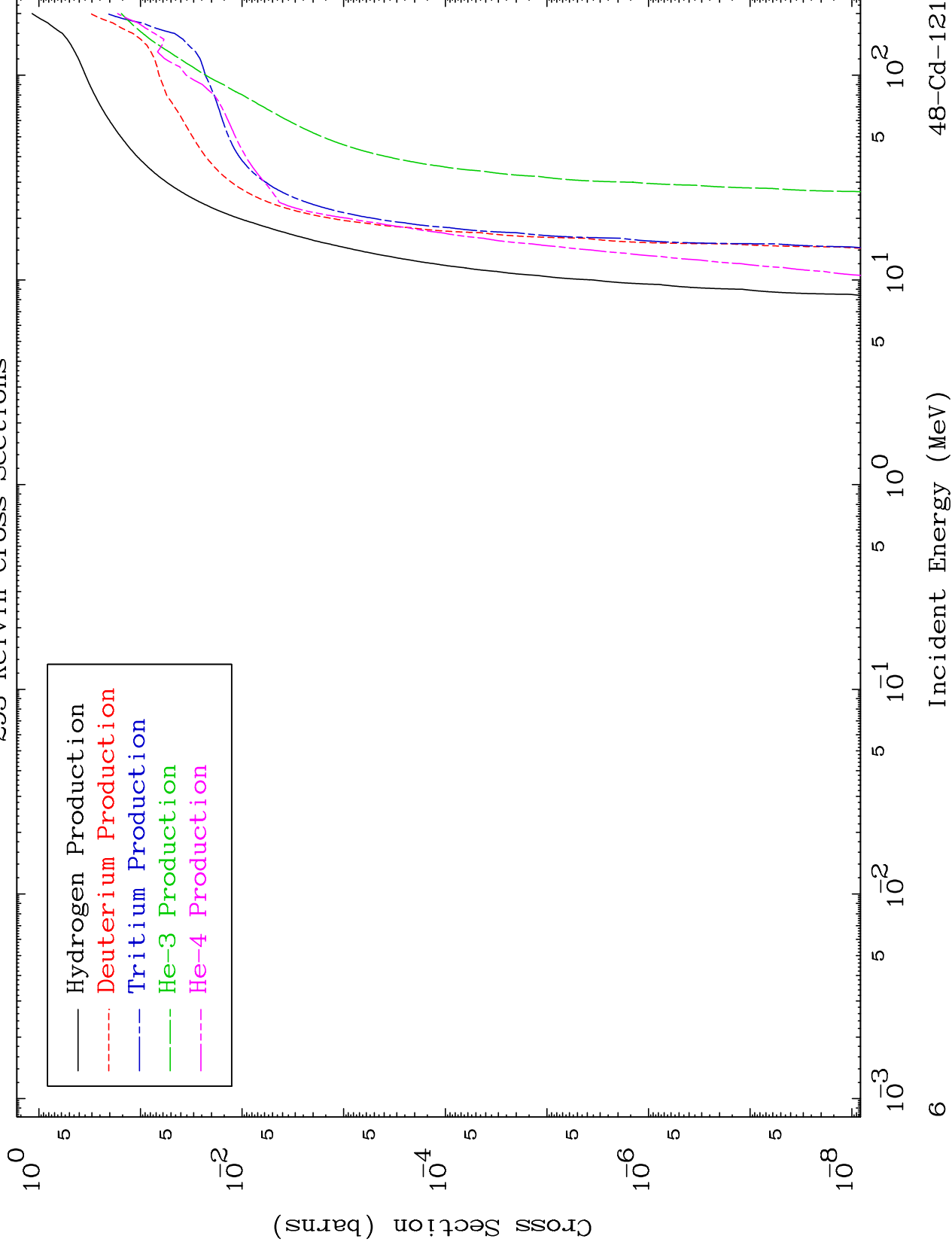
48-Cd-121



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Particle Production
293 Kelvin Cross Sections

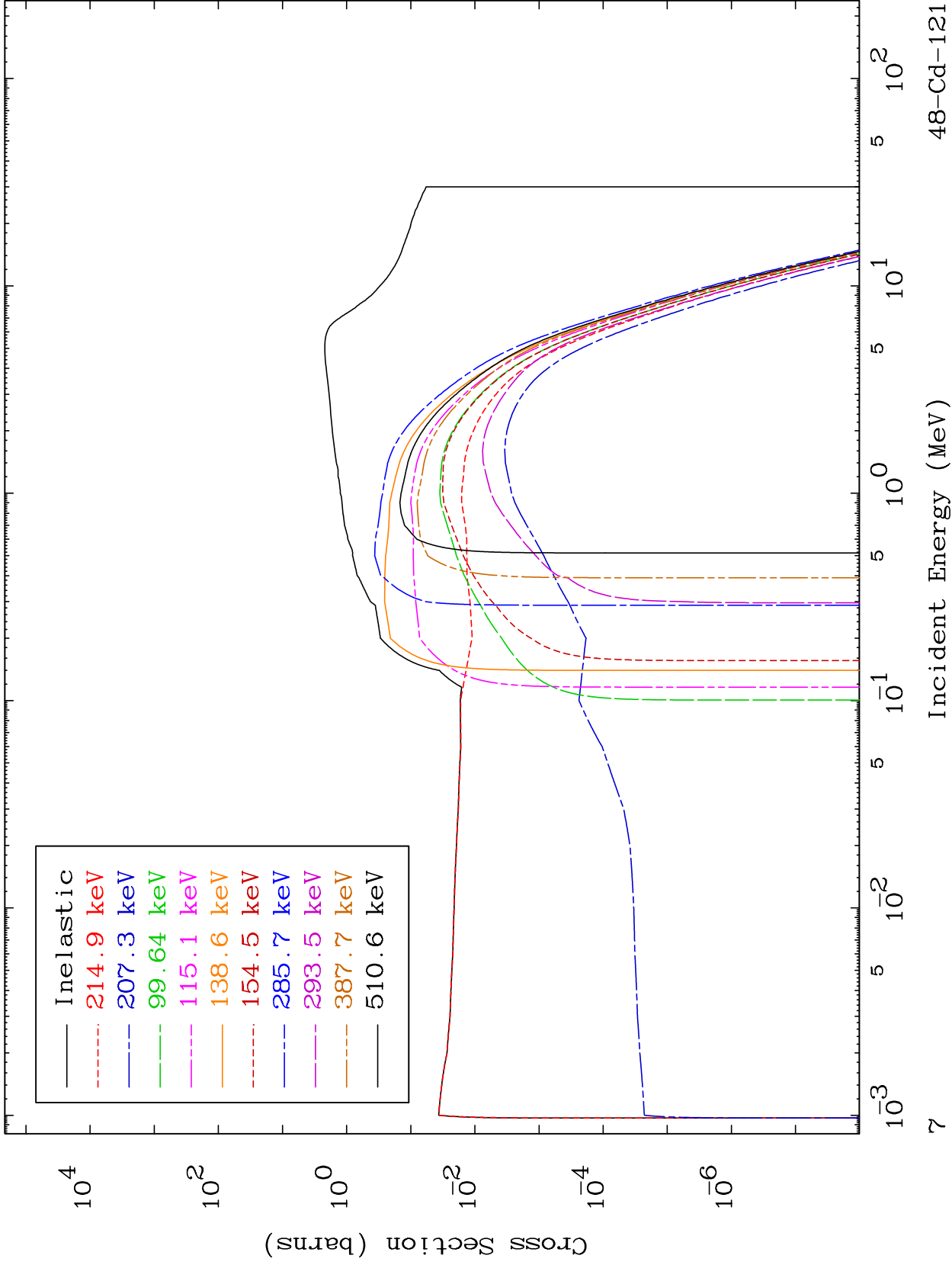
48-Cd-121



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(n,n') Level
293 Kelvin Cross Sections

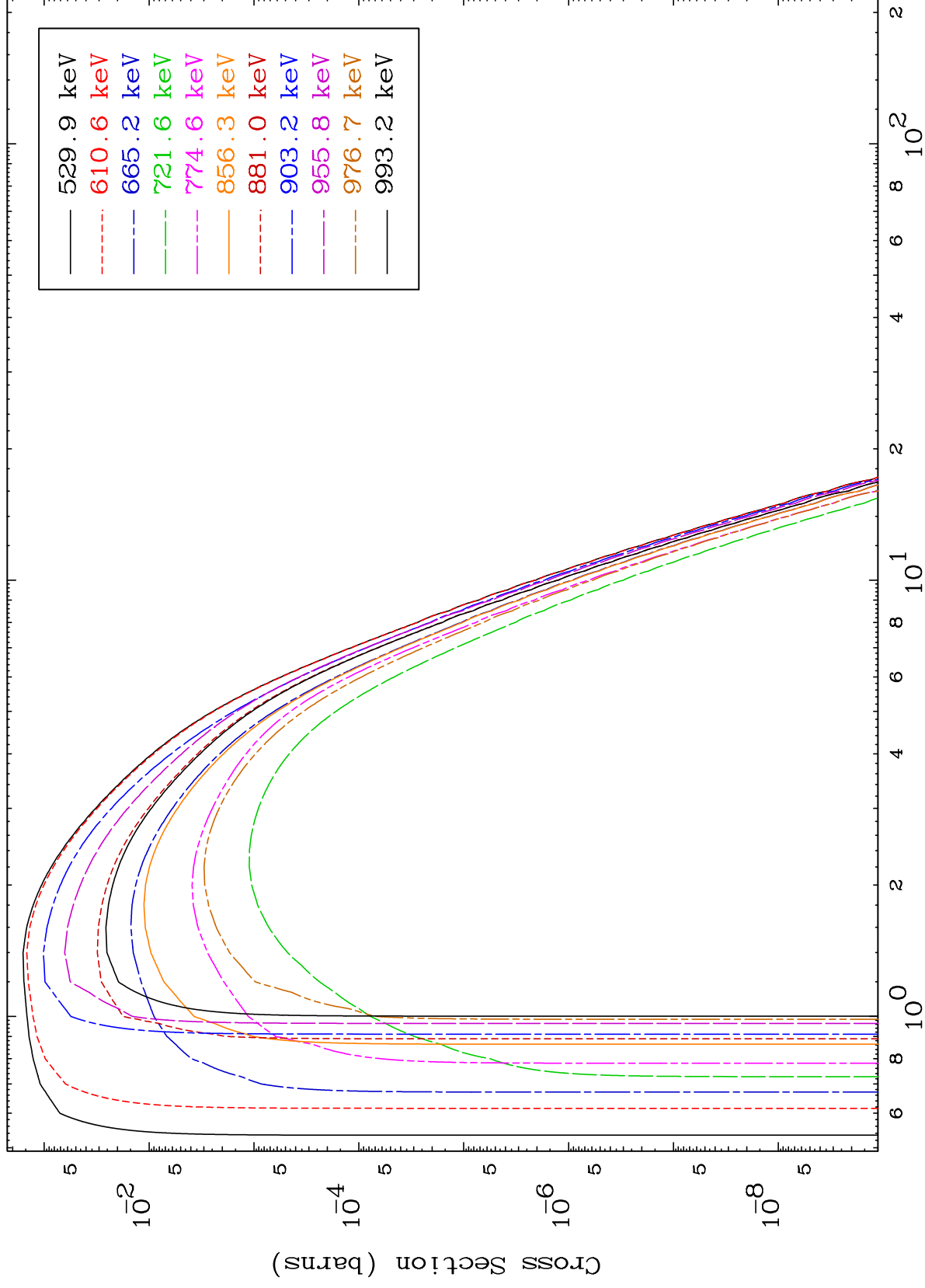
48-Cd-121



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(n,n') Level
293 Kelvin Cross Sections

48-Cd-121



8

Incident Energy (MeV)

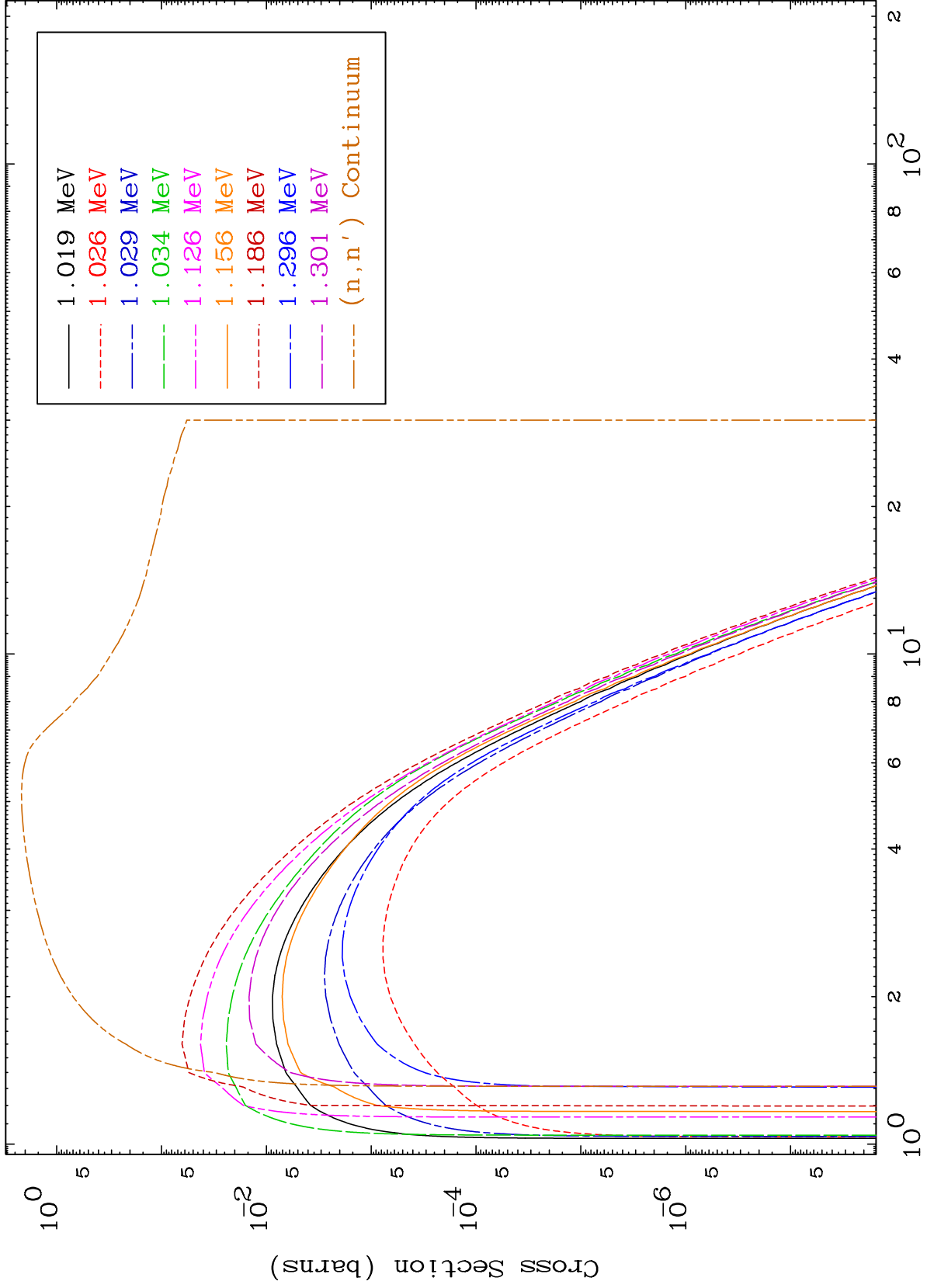
48-Cd-121

MAT 4871

(n,n') Level

48-Cd-121

293 Kelvin Cross Sections



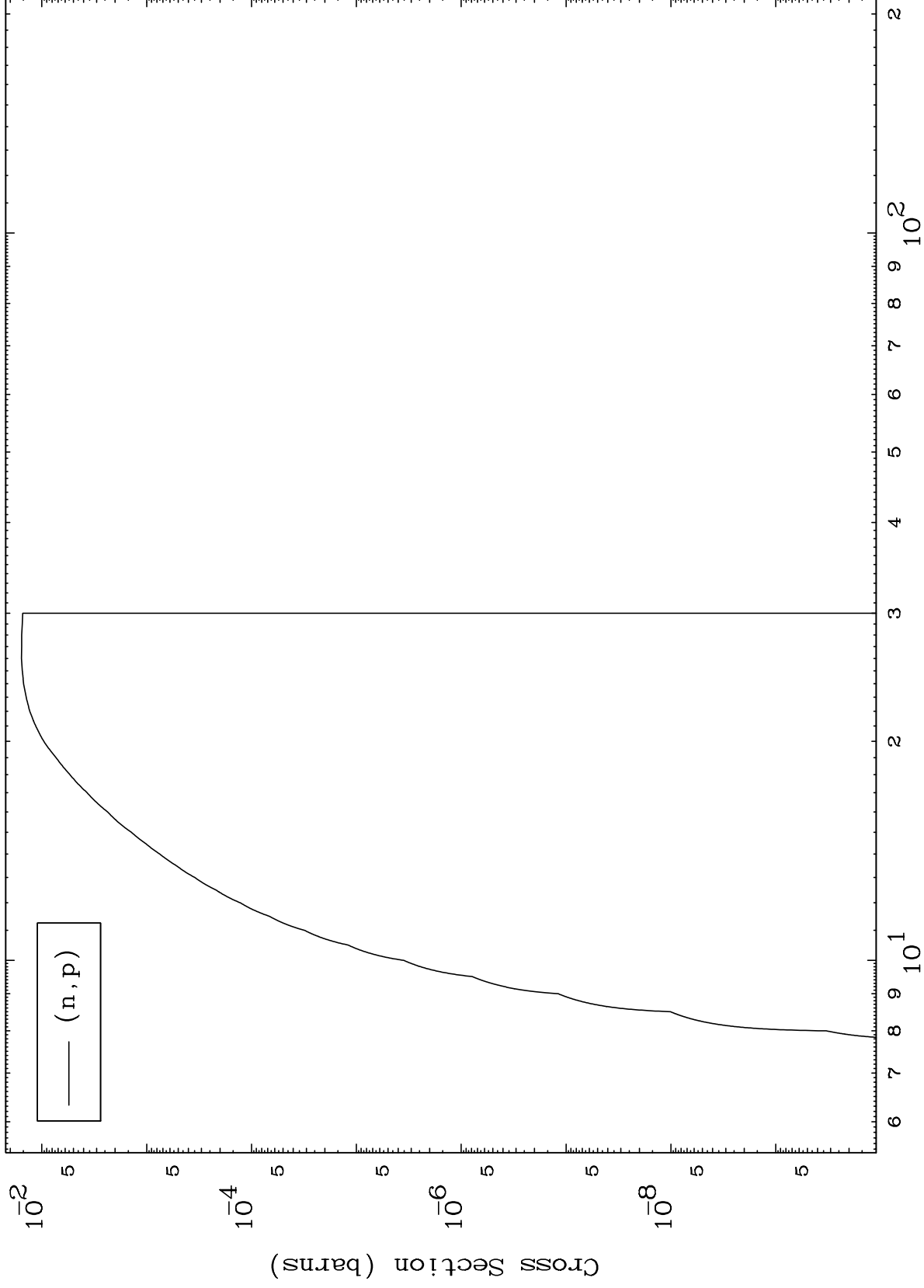
Incident Energy (MeV)

48-Cd-121

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(n,p) Levels
293 Kelvin Cross Sections

48-Cd-121



10

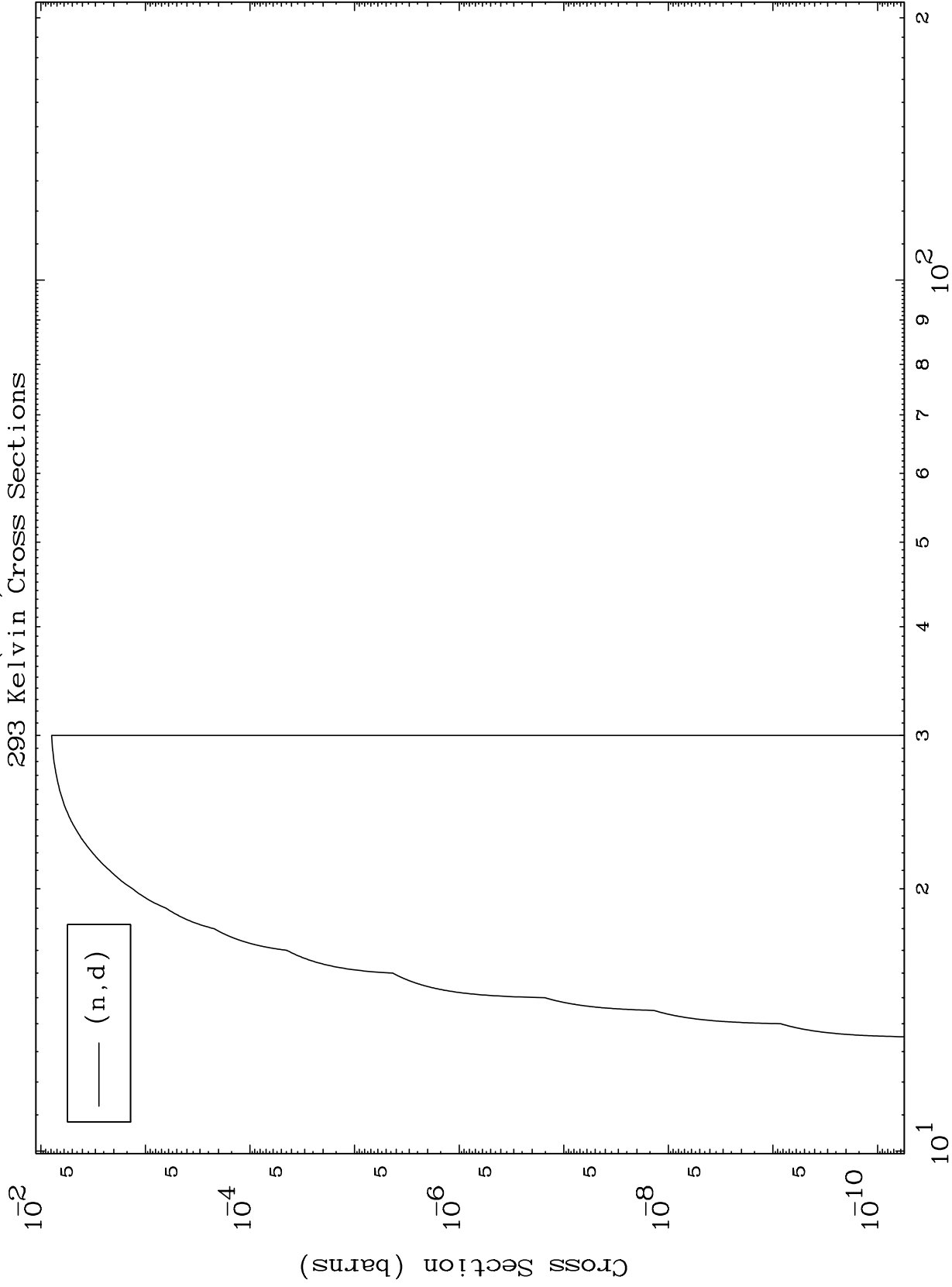
Incident Energy (MeV)

48-Cd-121

MAT 4871

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-121



11

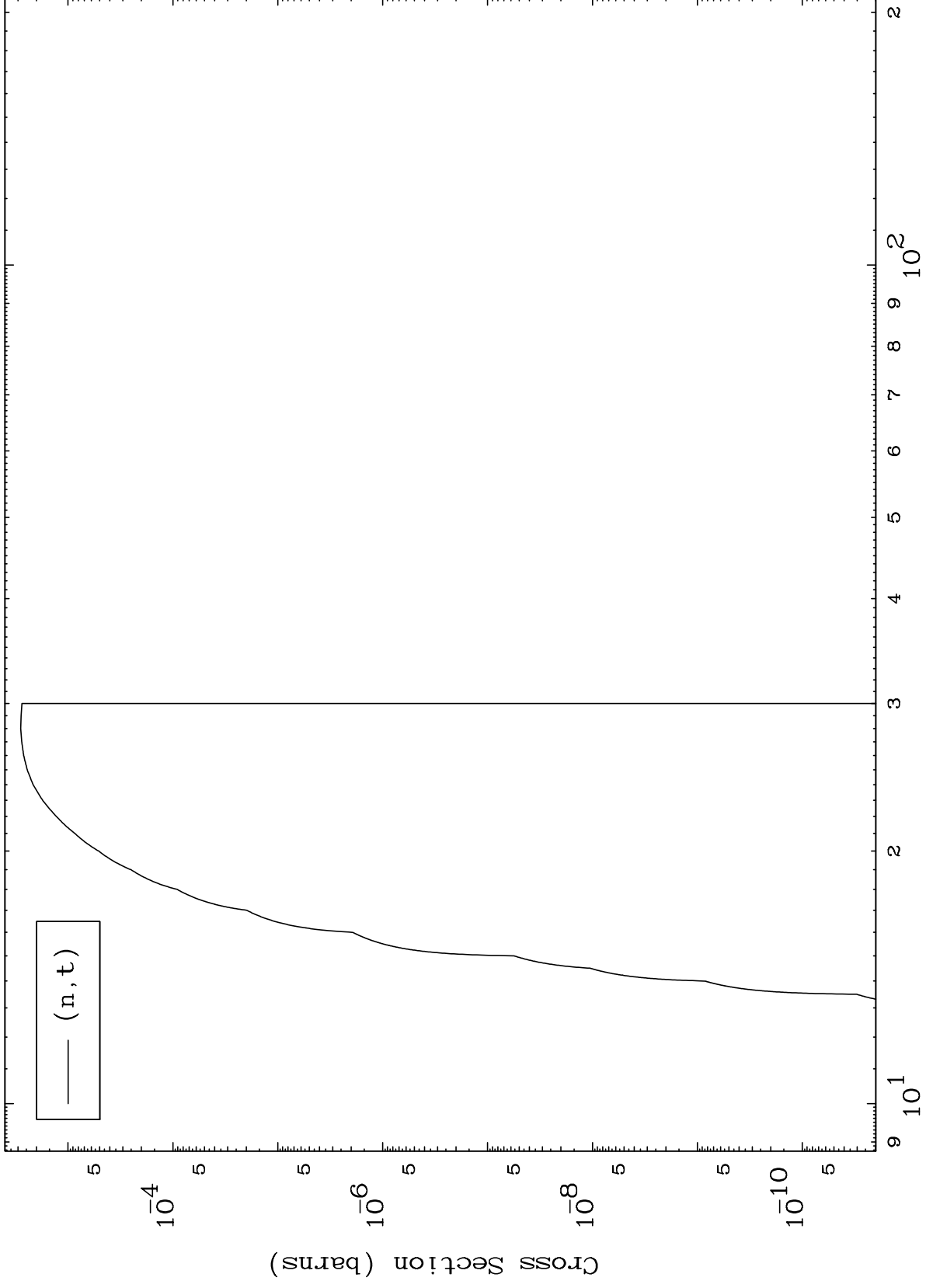
Incident Energy (MeV)

48-Cd-121

MAT 4871

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-121



12

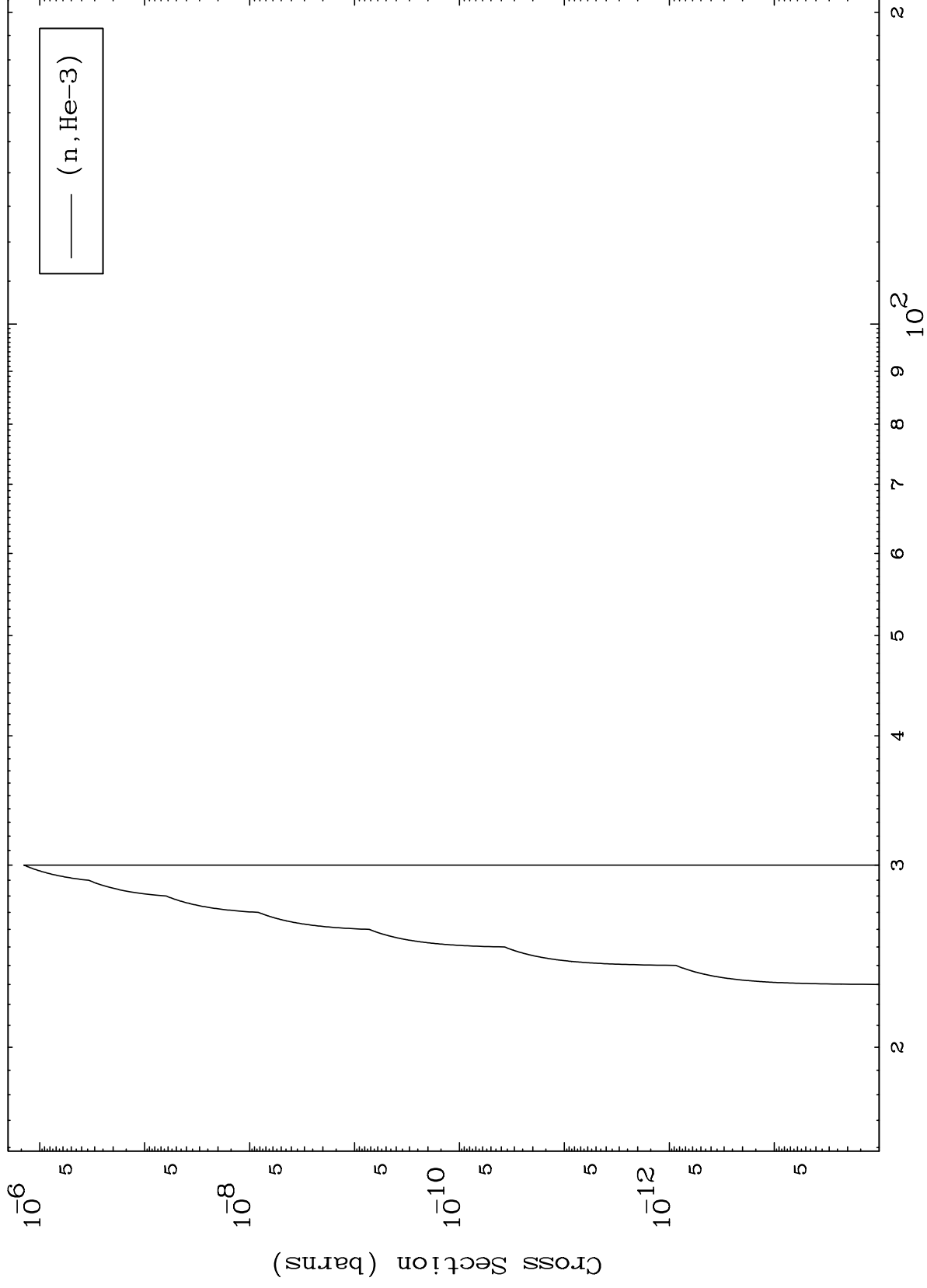
Incident Energy (MeV)

48-Cd-121

MAT 4871

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-121



13

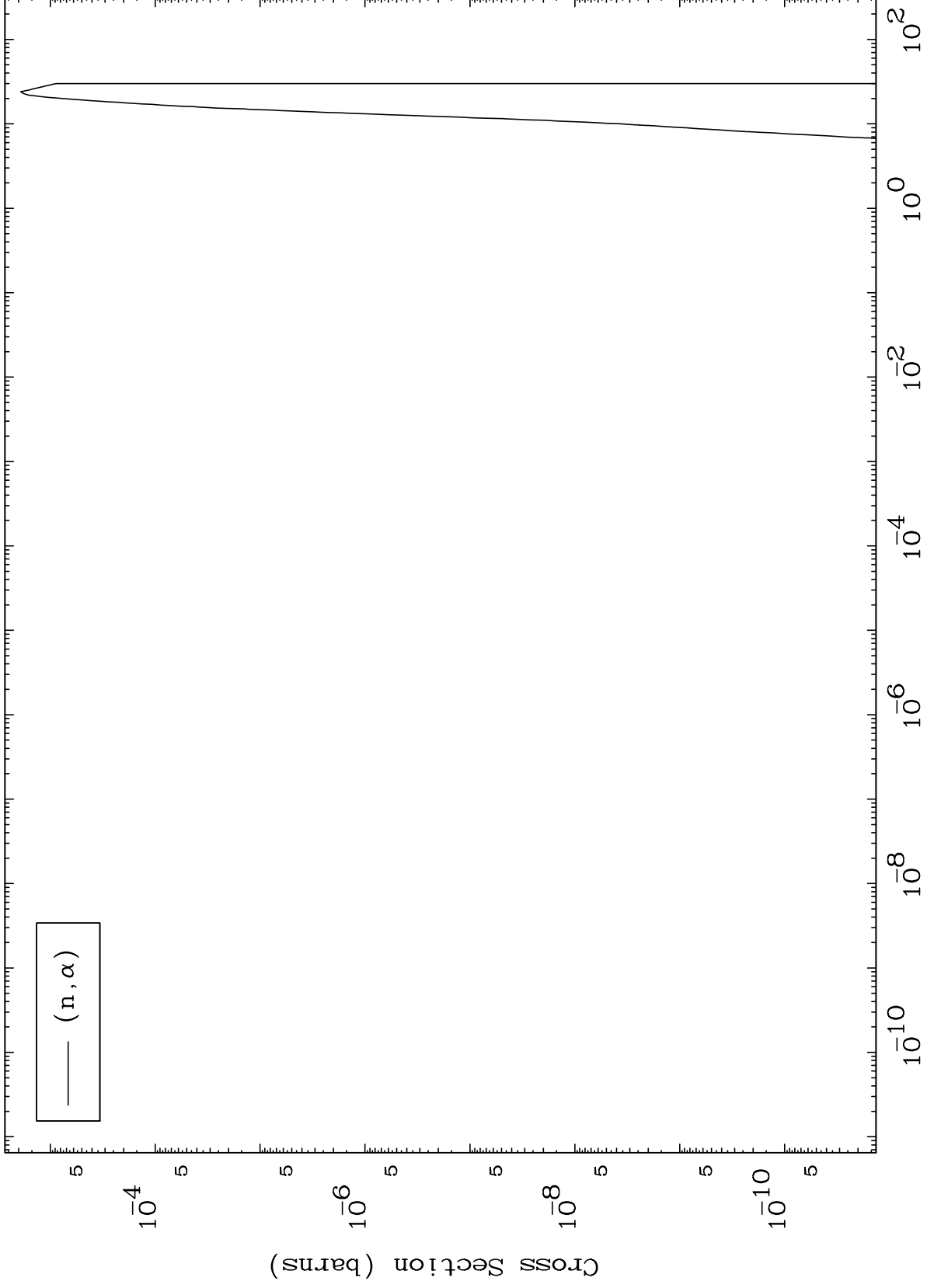
Incident Energy (MeV)

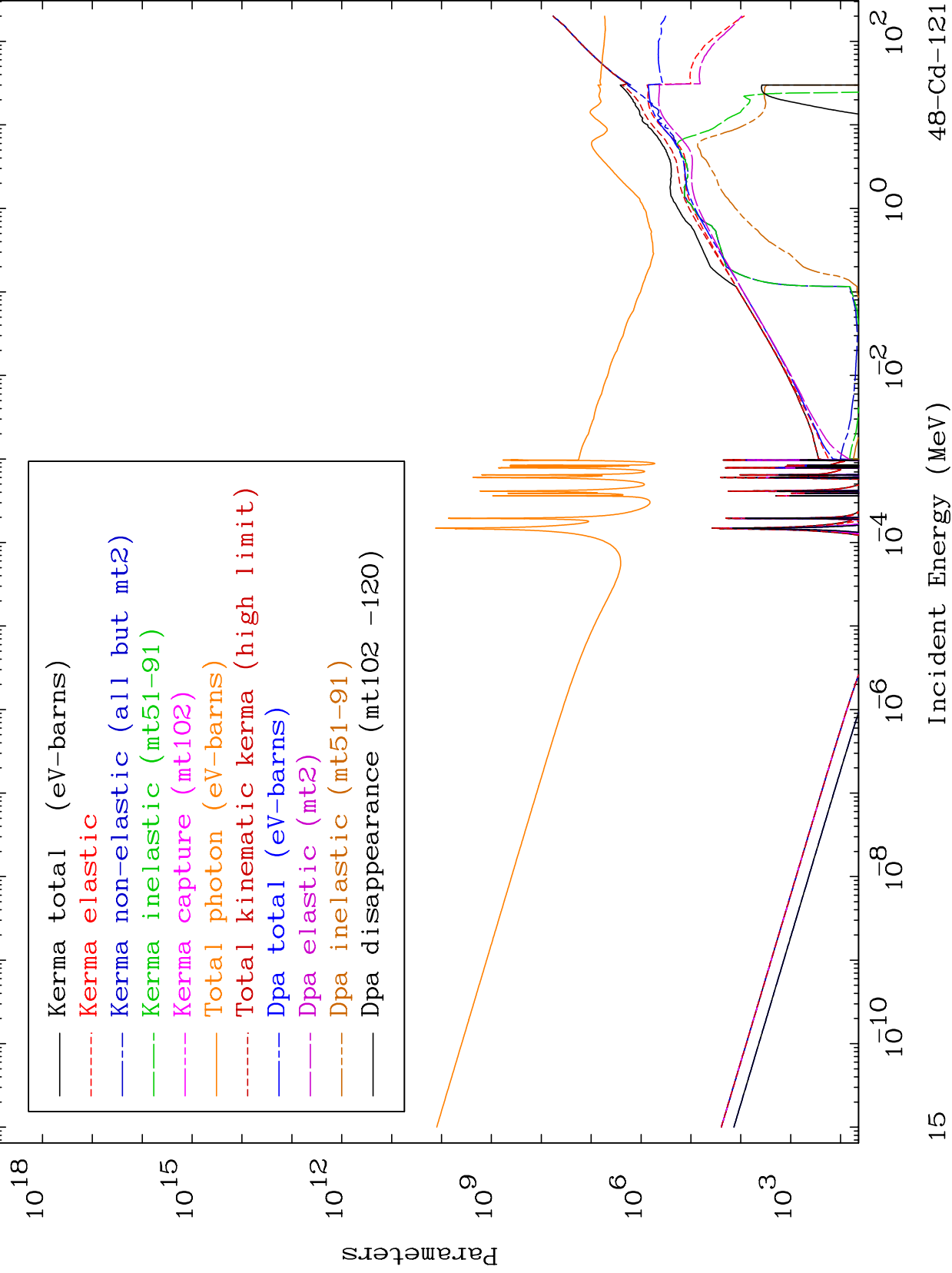
48-Cd-121

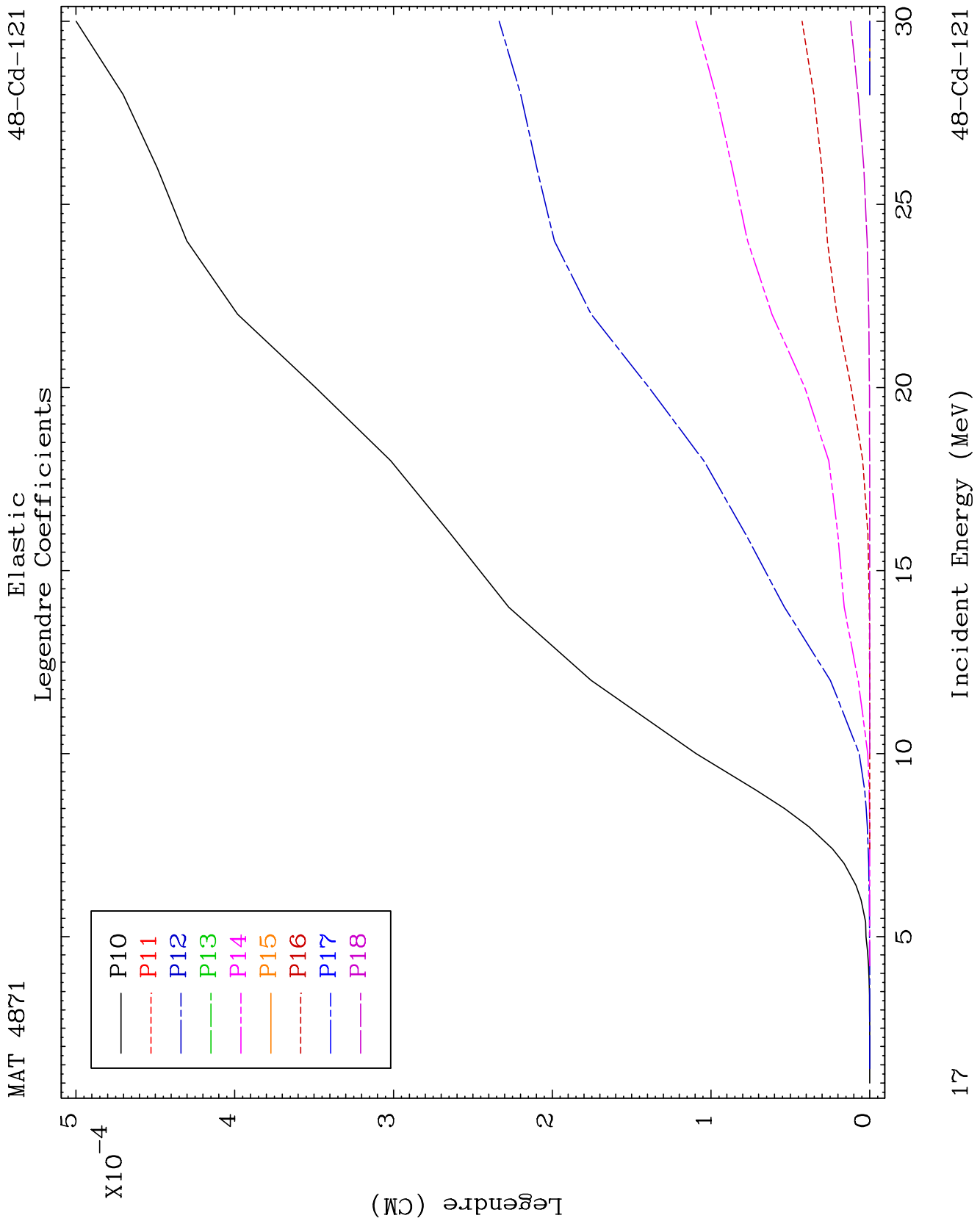
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(n, α) Levels
293 Kelvin Cross Sections

48-Cd-121



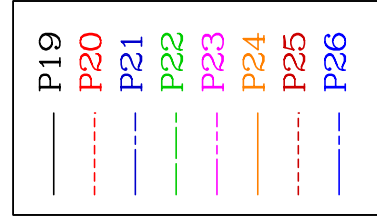




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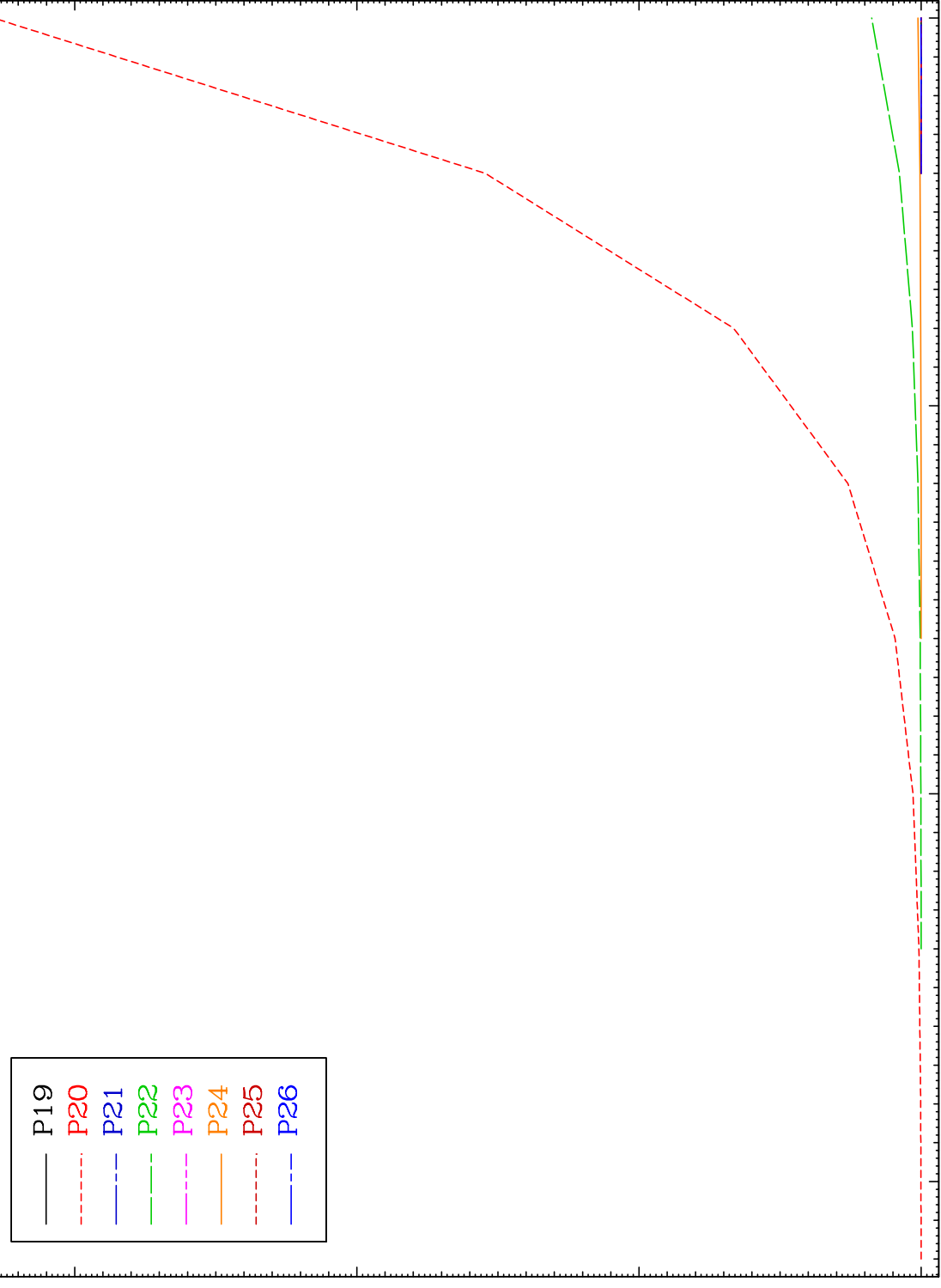
Elastic Legendre Coefficients

48-Cd-121



$\times 10^{-7}$

Legendre (CM)



18

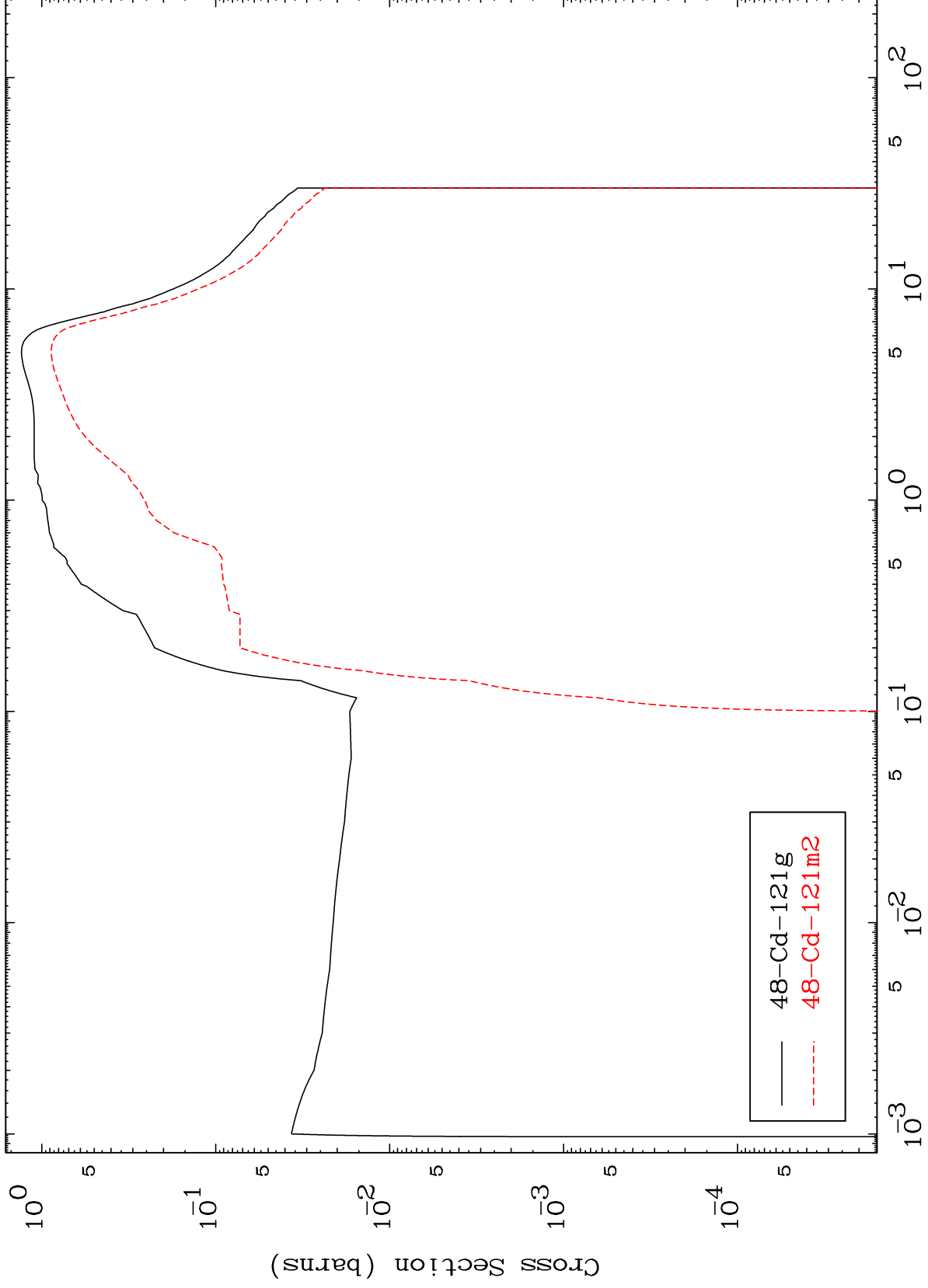
Incident Energy (MeV)

48-Cd-121

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48-Cd-121

Inelastic
Radionuclide Production Cross Section



19

Incident Energy (MeV)

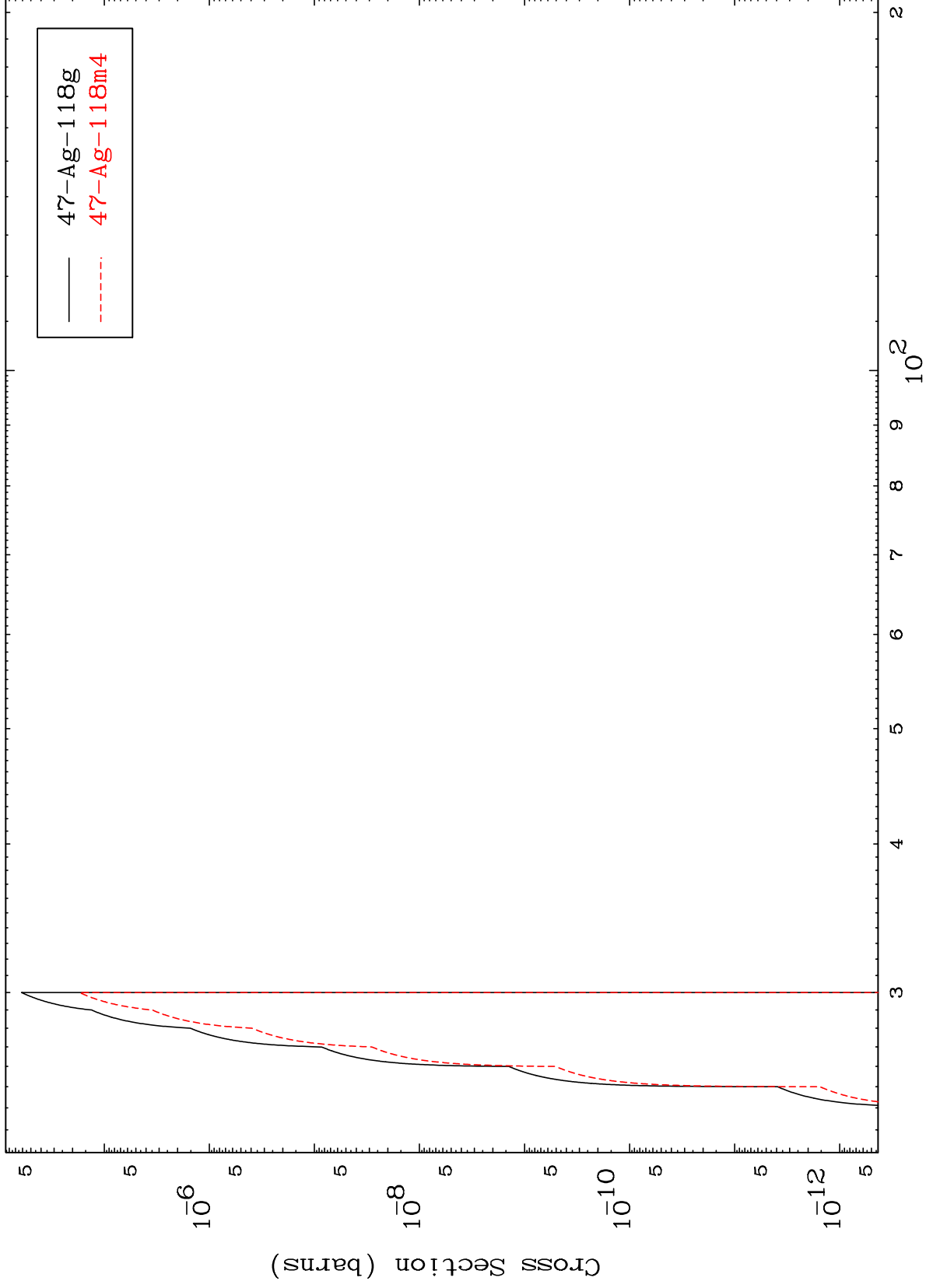
48-Cd-121

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(n,2n) d

48-Cd-121

Radionuclide Production Cross Section



20

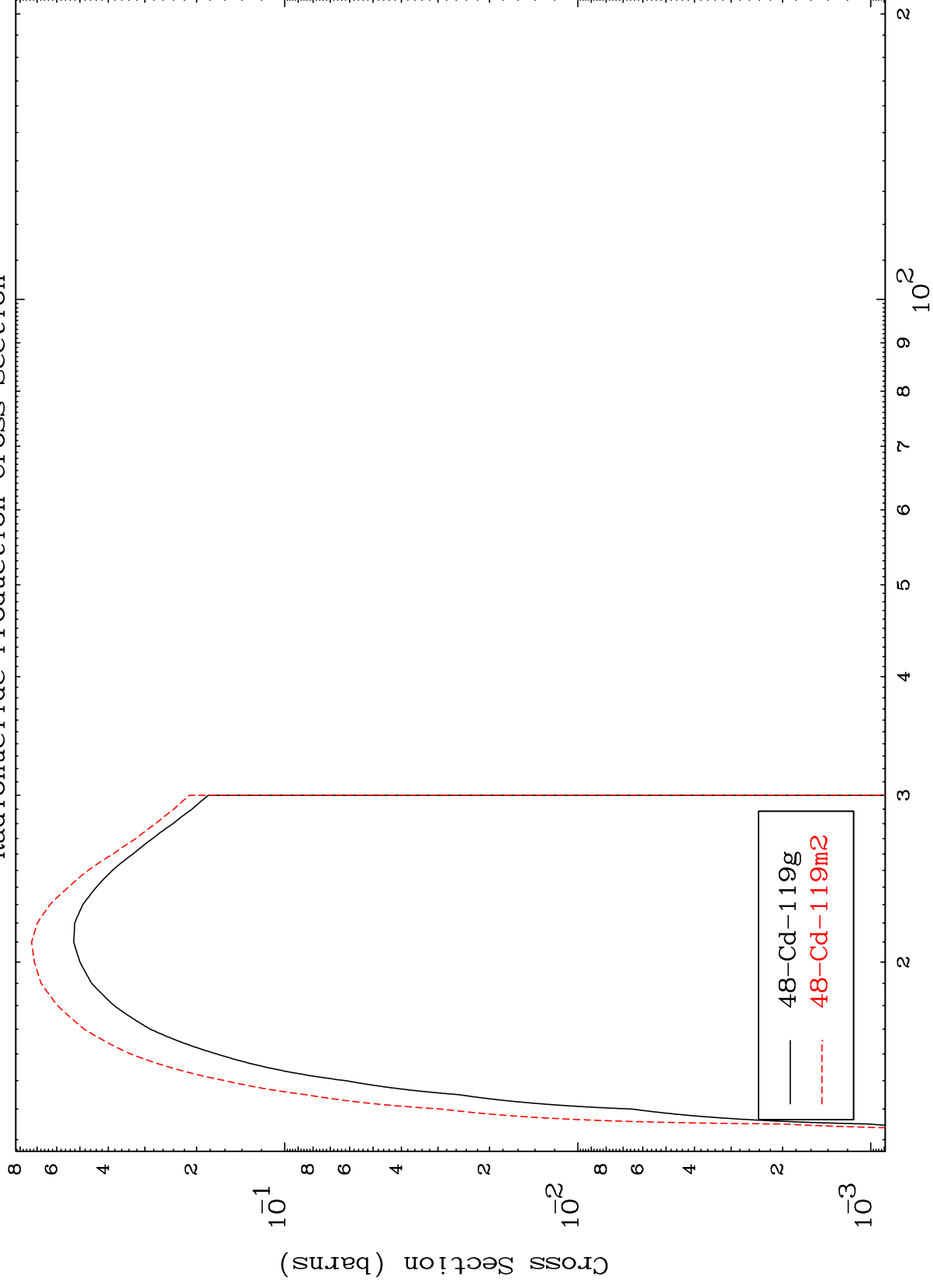
Incident Energy (MeV)

48-Cd-121

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48-Cd-121

(n,3n)
Radionuclide Production Cross Section



21

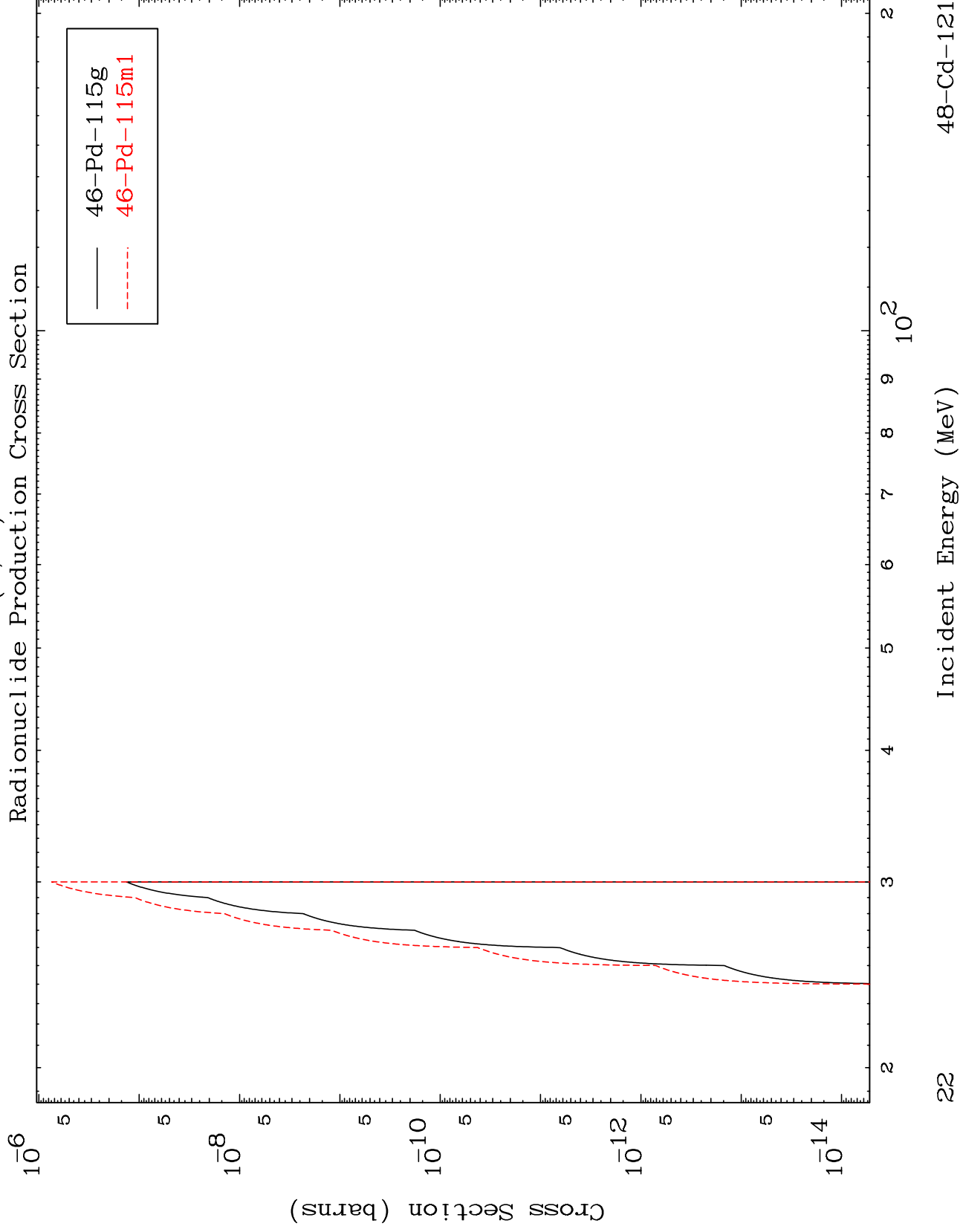
Incident Energy (MeV)

48-Cd-121

MAT 4871

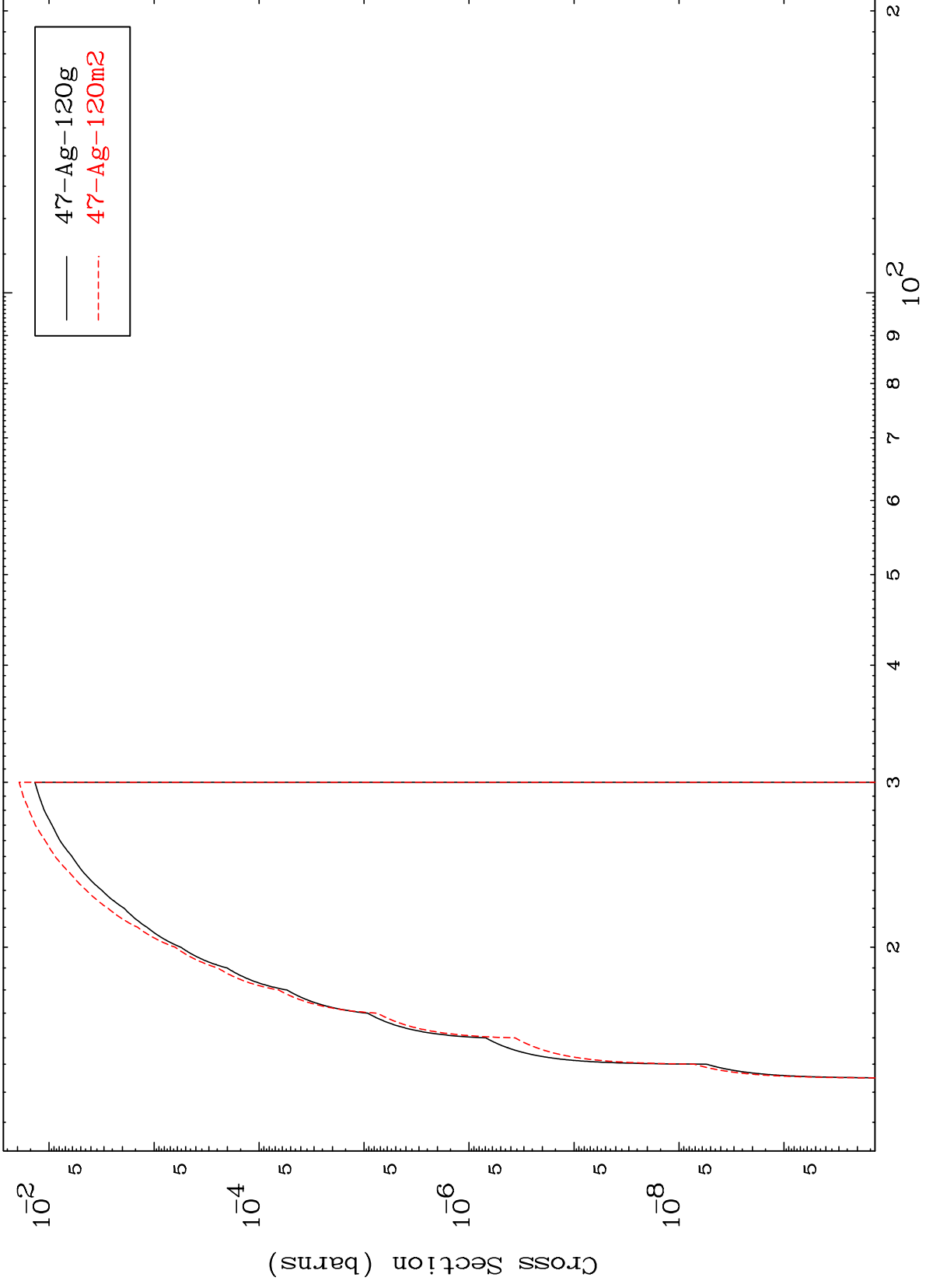
(n,3n) α

48-Cd-121



22

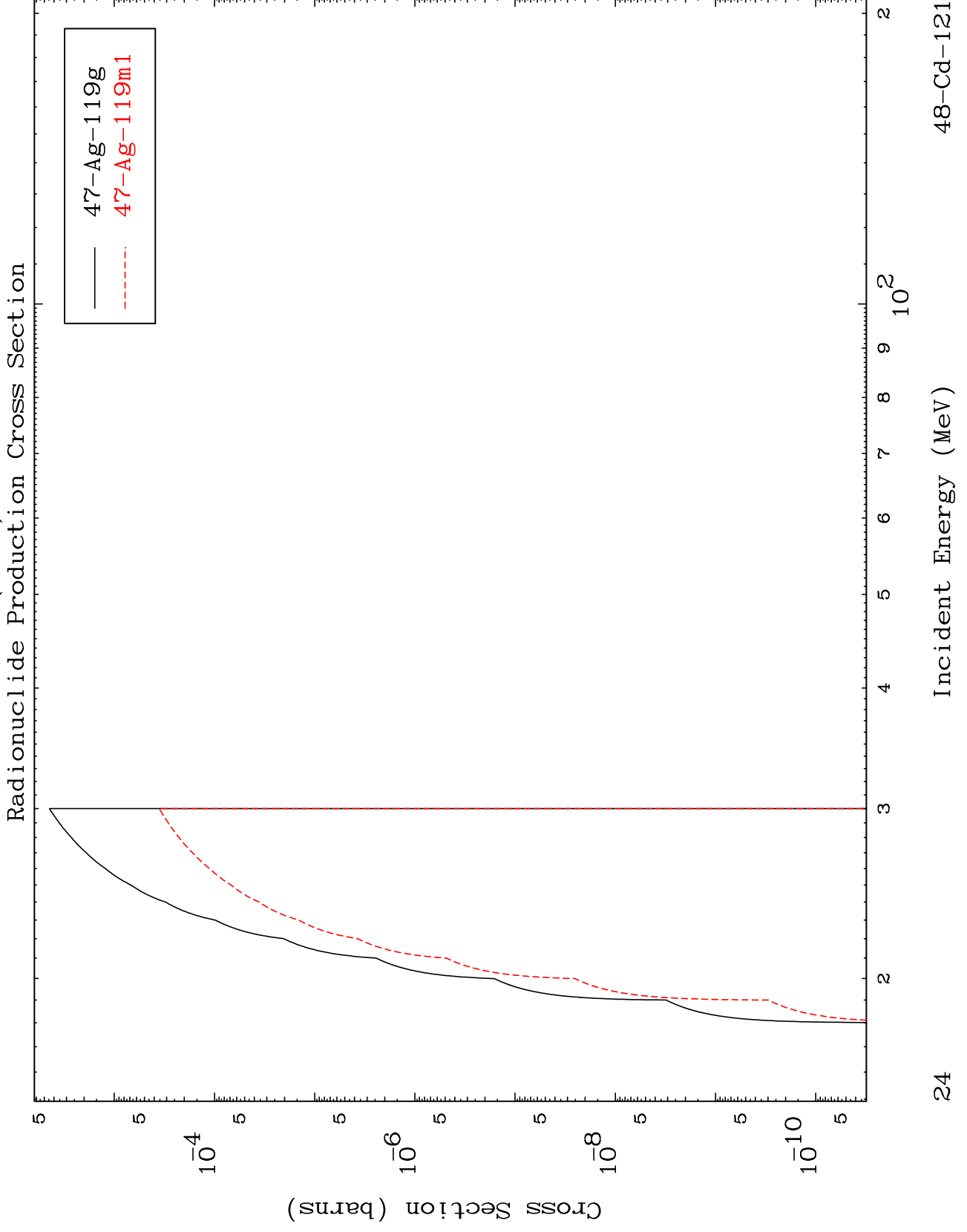
Radionuclide Production Cross Section



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(n,n') d

48-Cd-121



24

Incident Energy (MeV)

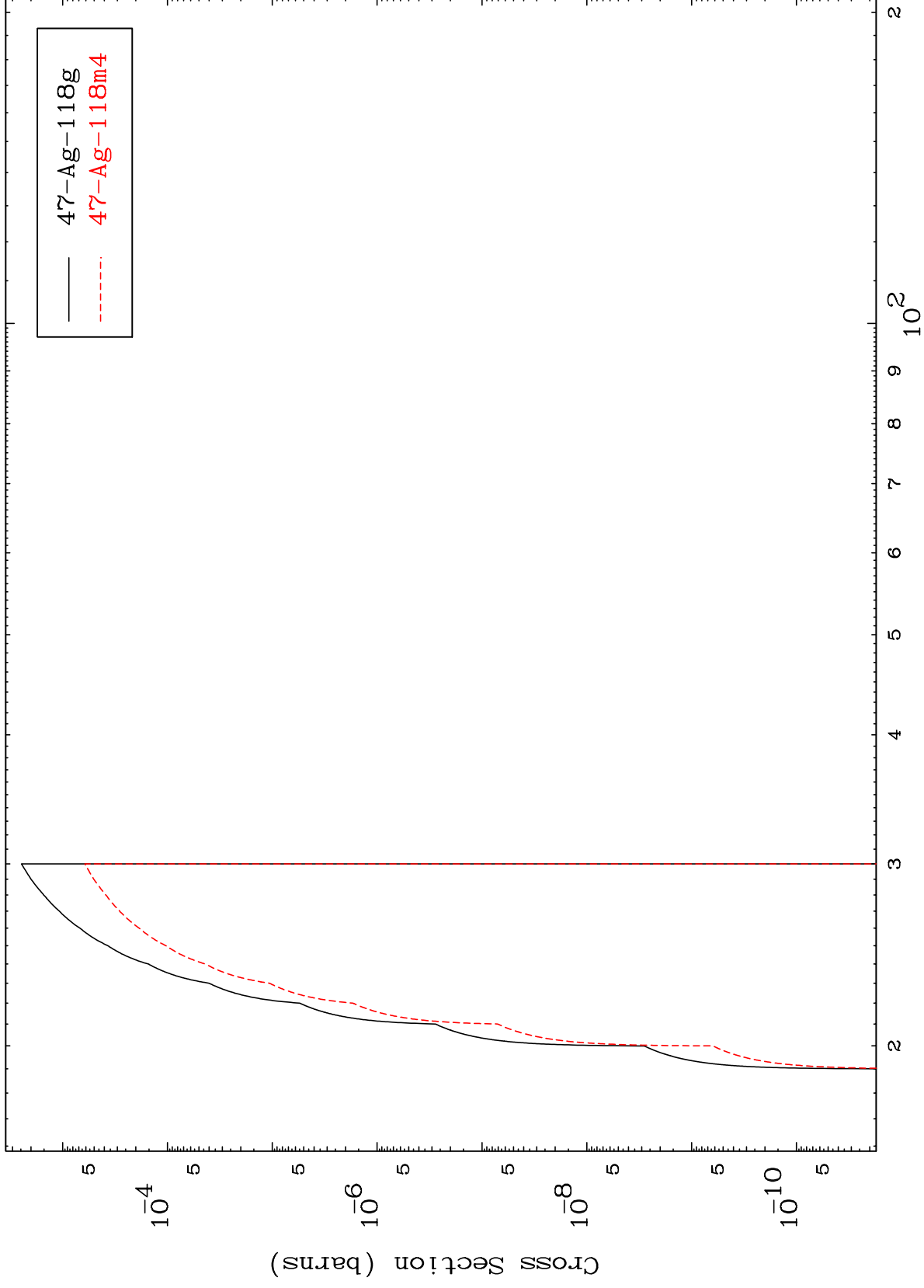
48-Cd-121

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(n,n') t

48-Cd-121

Radionuclide Production Cross Section

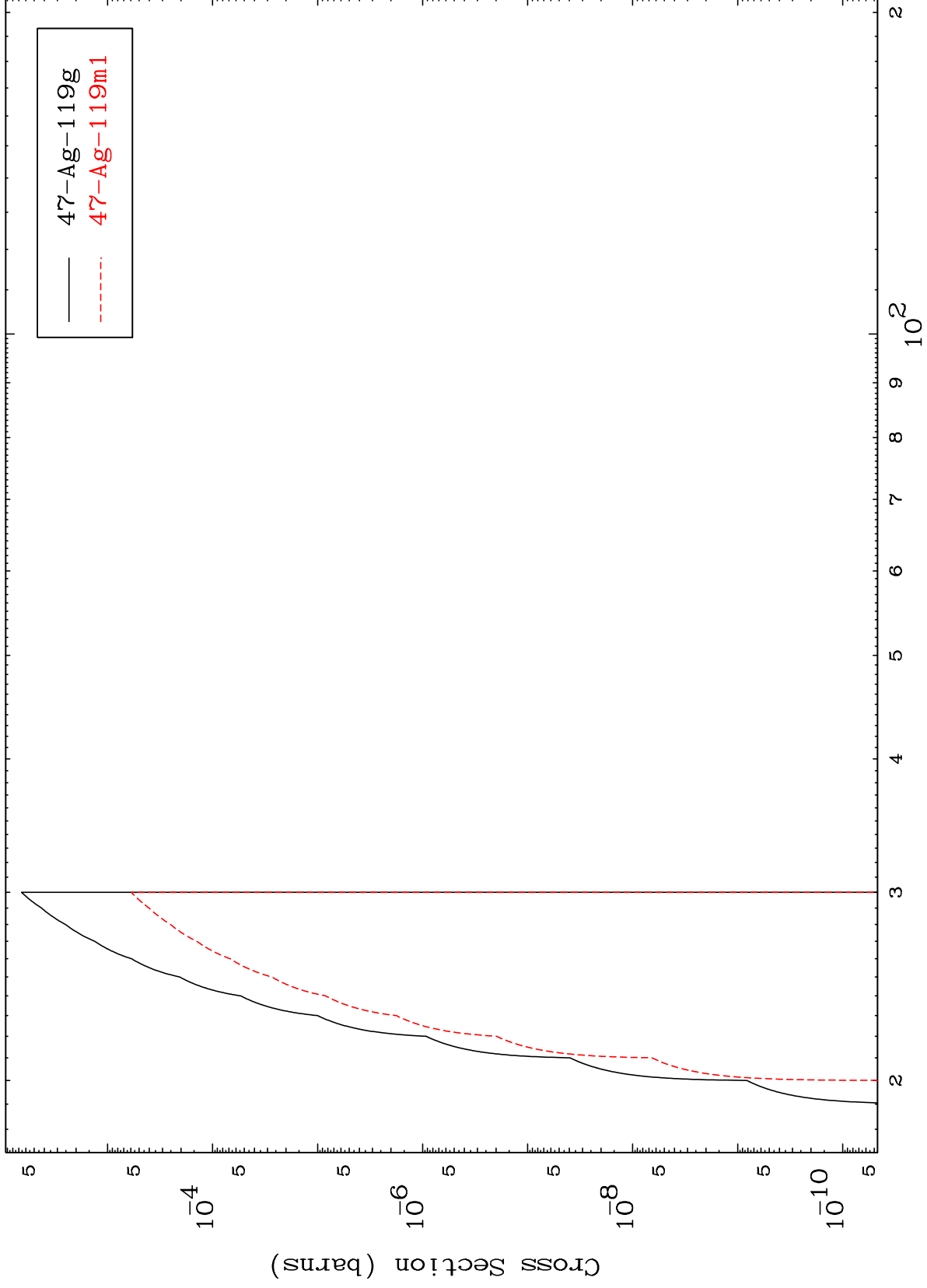


25

Incident Energy (MeV)

48-Cd-121

Radionuclide Production Cross Section

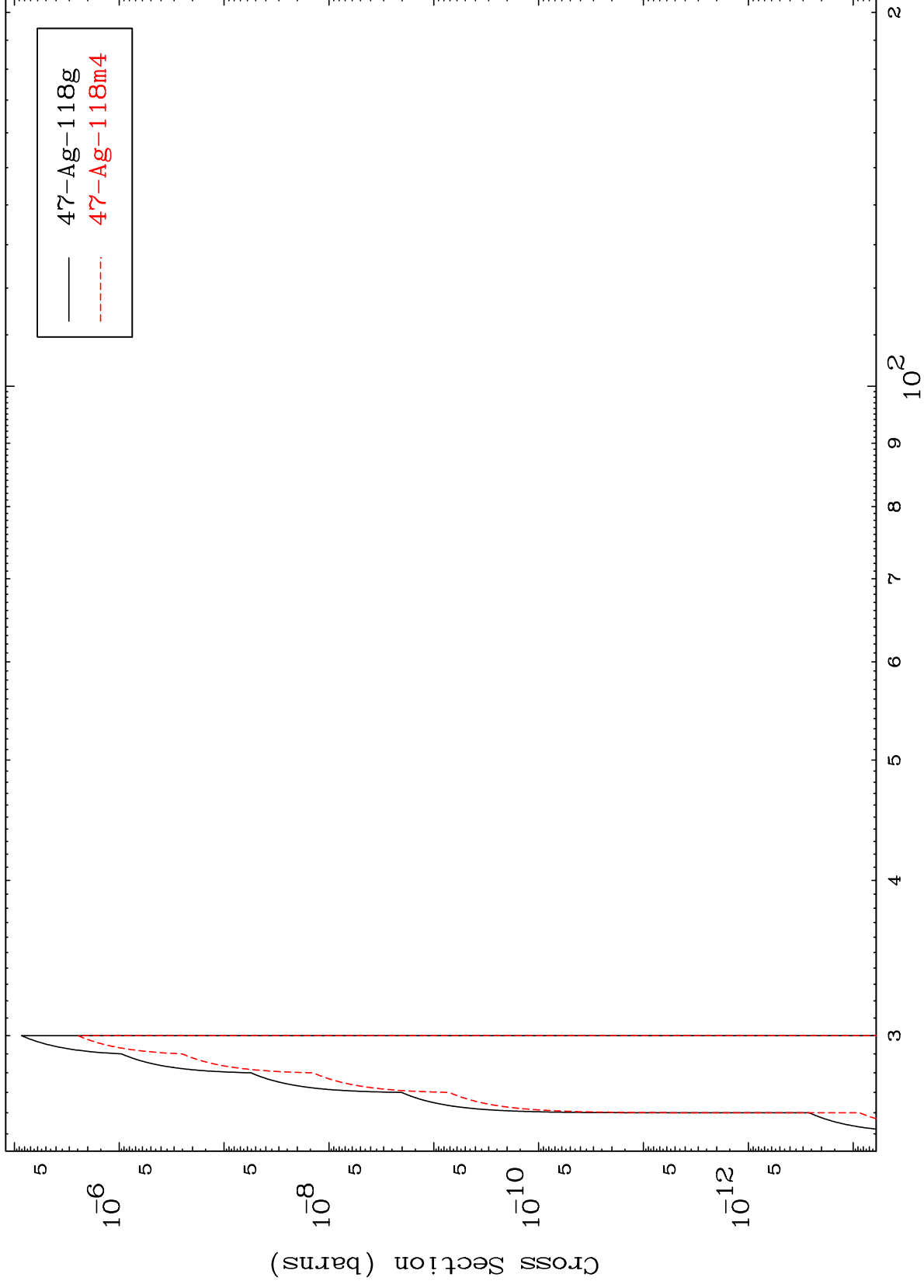


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(n,3n) p

48-Cd-121

Radionuclide Production Cross Section



27

Incident Energy (MeV)

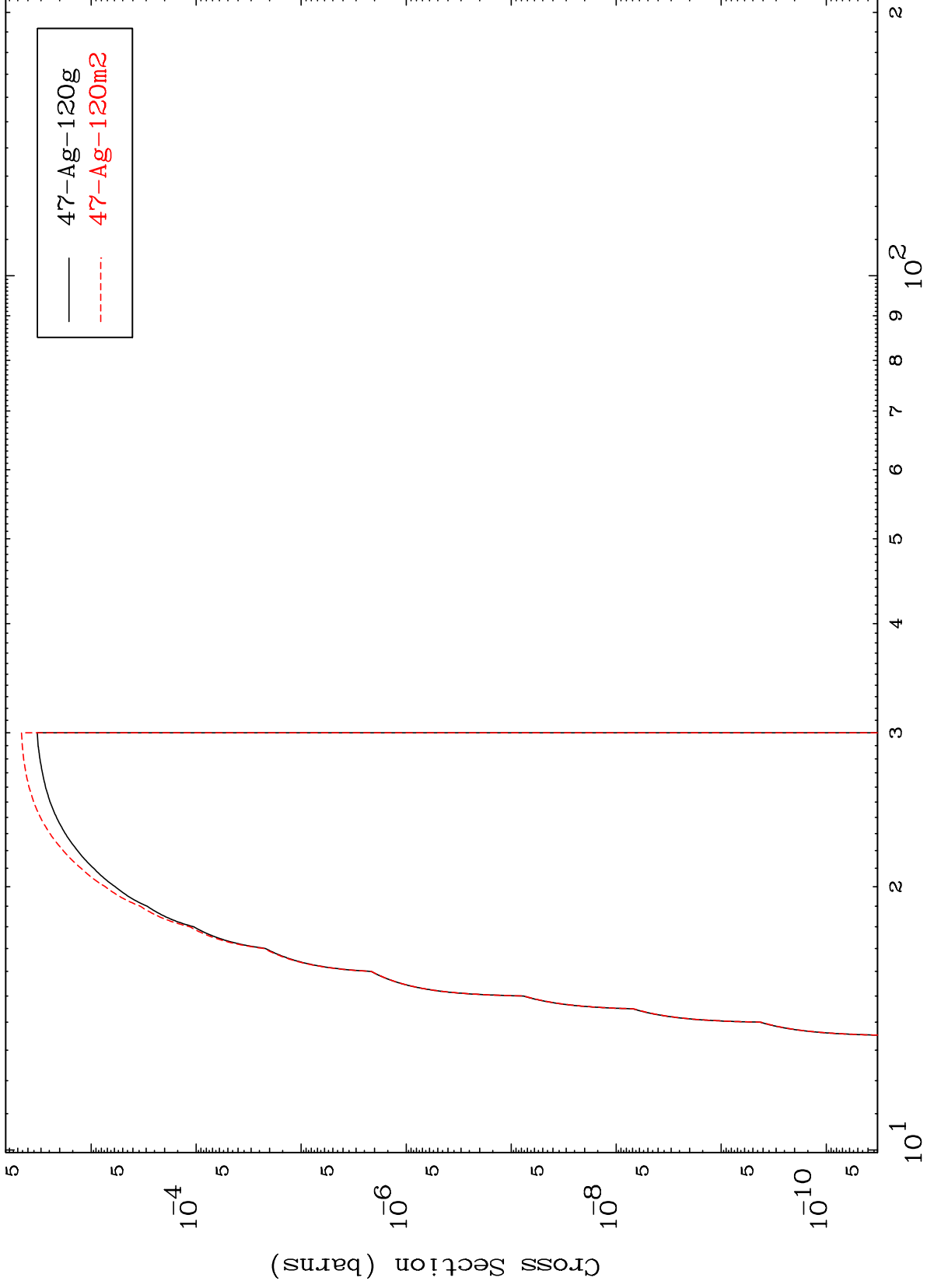
48-Cd-121

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(n,d)

48-Cd-121

Radionuclide Production Cross Section



28

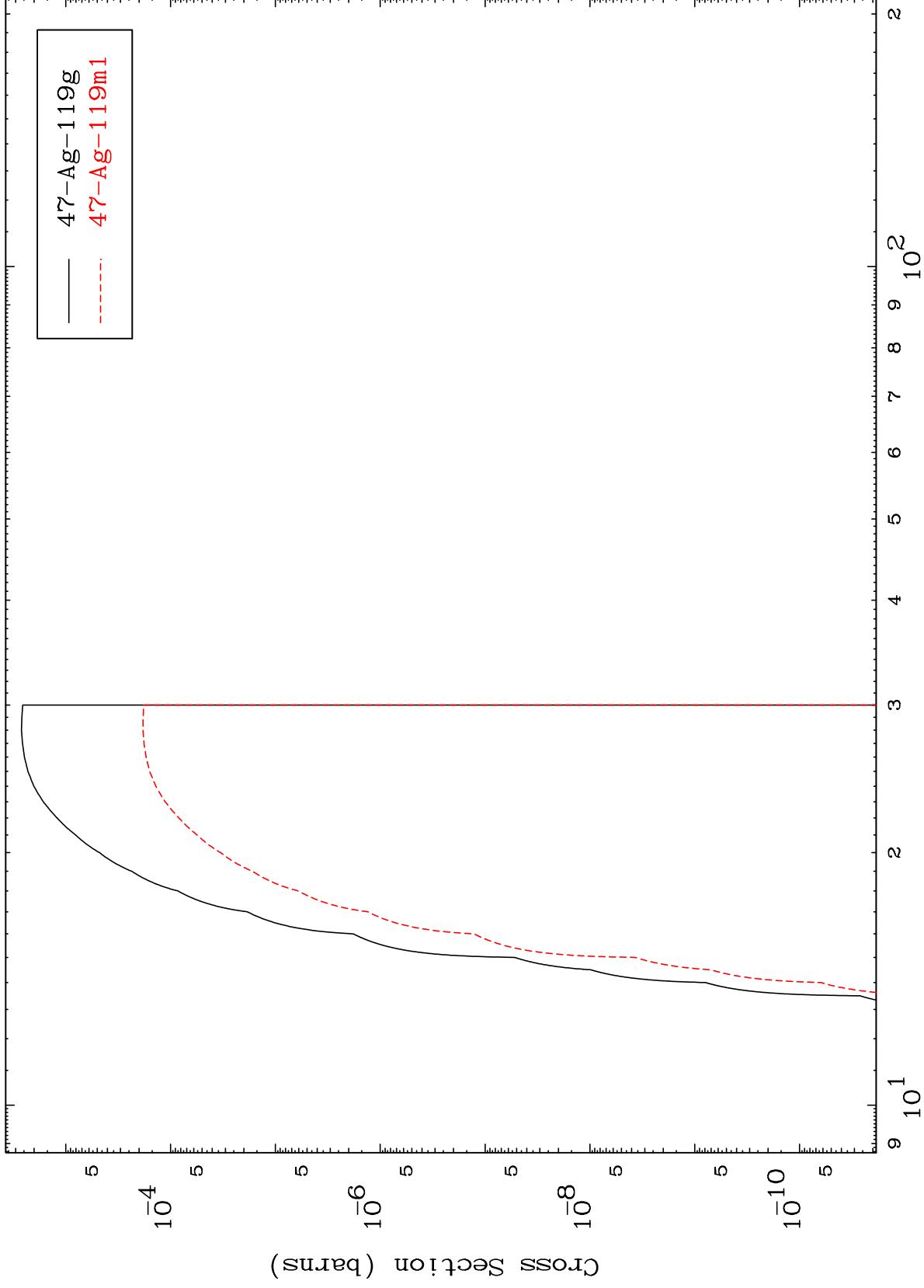
Incident Energy (MeV)

48-Cd-121

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48-Cd-121

(n, t)
Radionuclide Production Cross Section



29

Incident Energy (MeV)

48-Cd-121