

Program EVALPLOT
(Version 2021-1)

by

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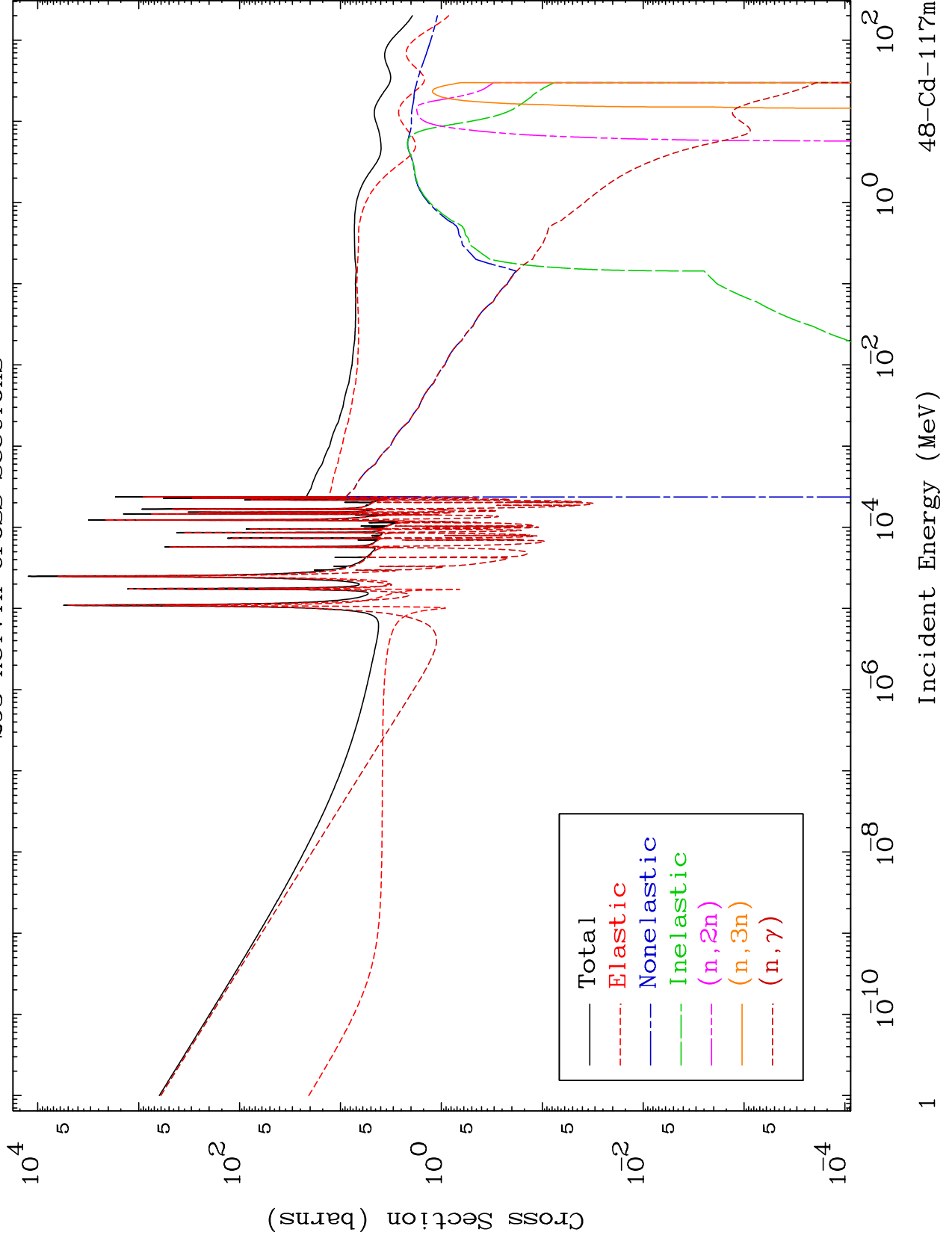
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4859

Neutron Major
293 Kelvin Cross Sections

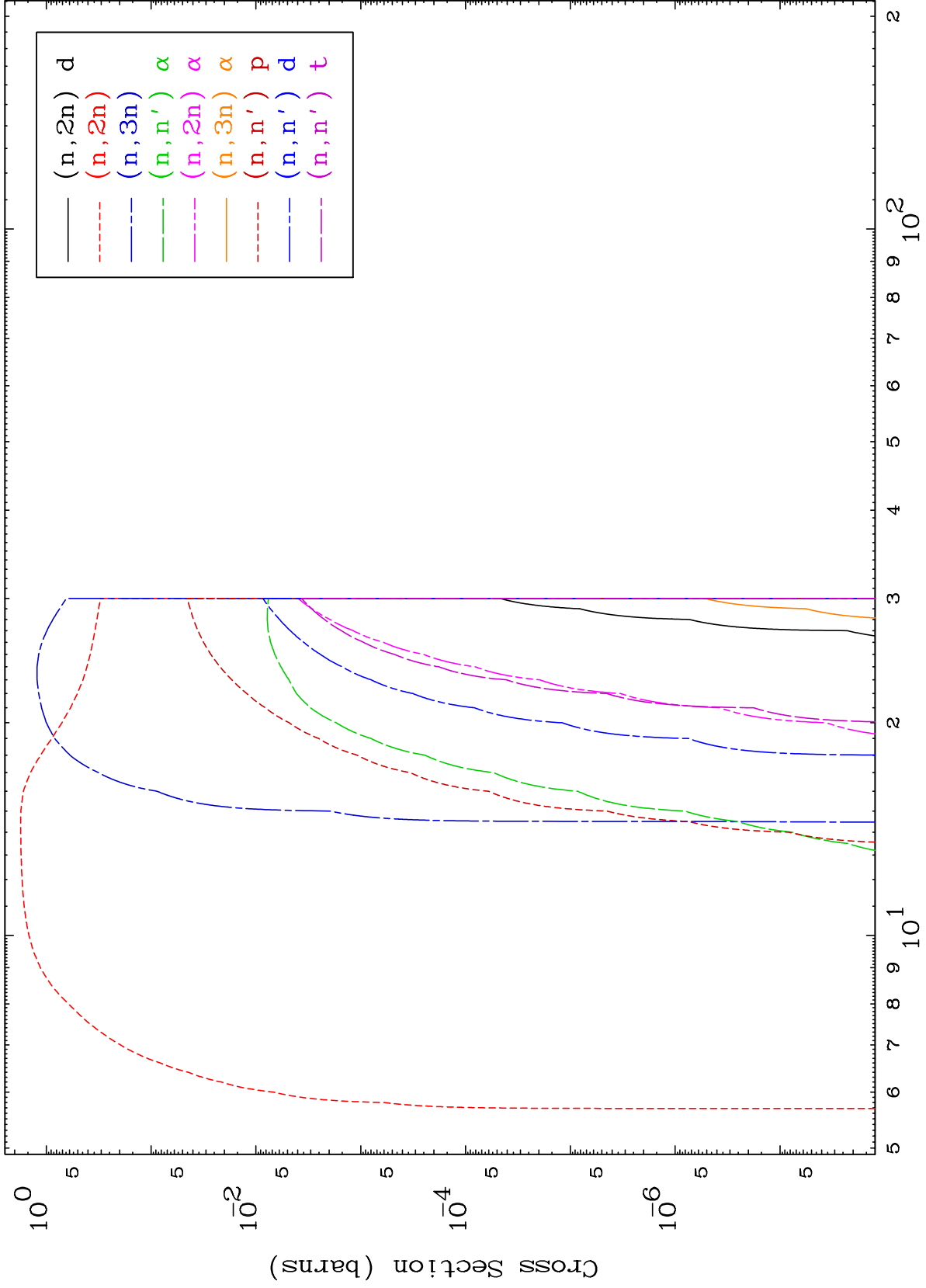
48-Cd-117m



MAT 4859

Neutron Absorption
293 Kelvin Cross Sections

48-Cd-117m



2

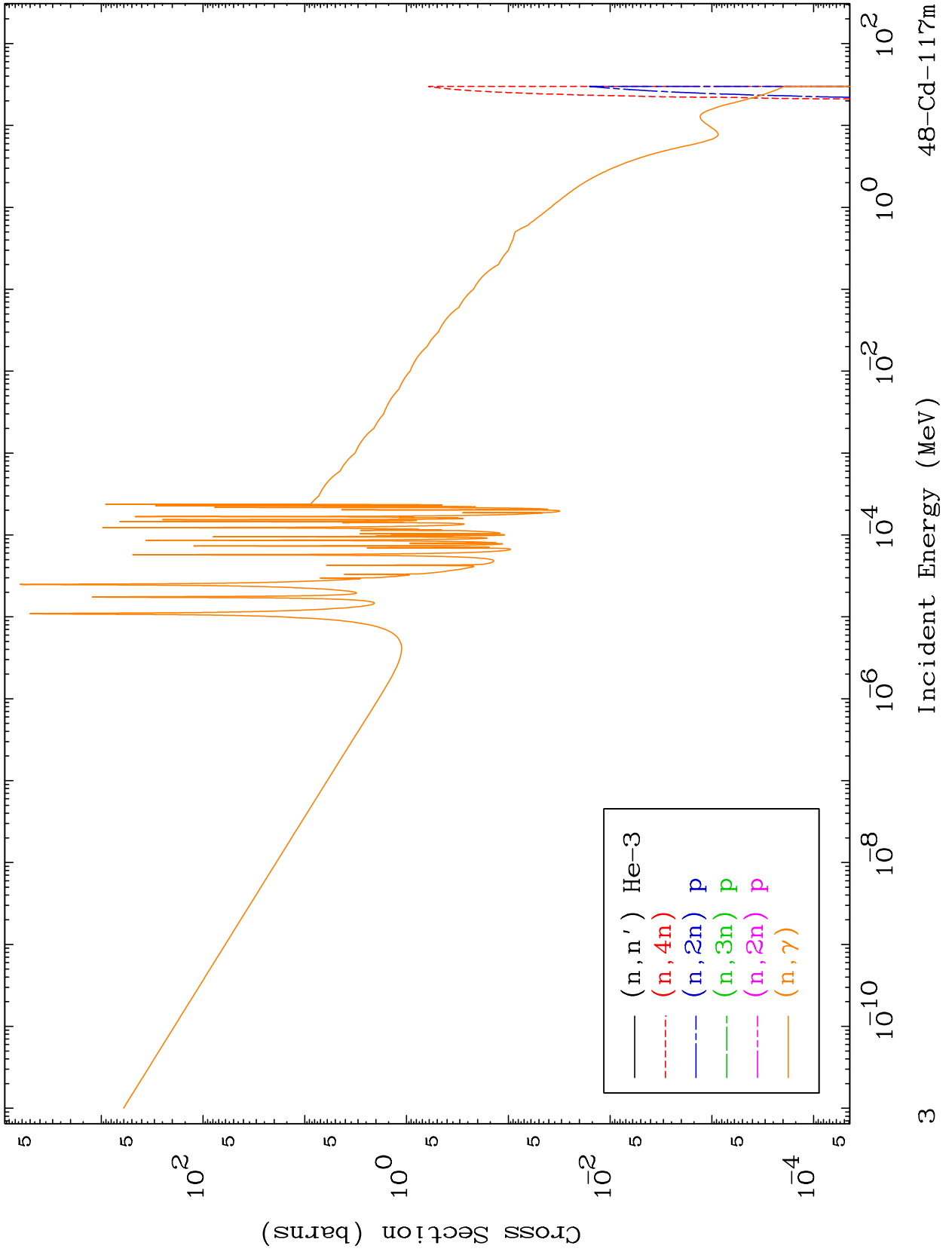
Incident Energy (MeV)

48-Cd-117m

MAT 4859

Neutron Absorption
293 Kelvin Cross Sections

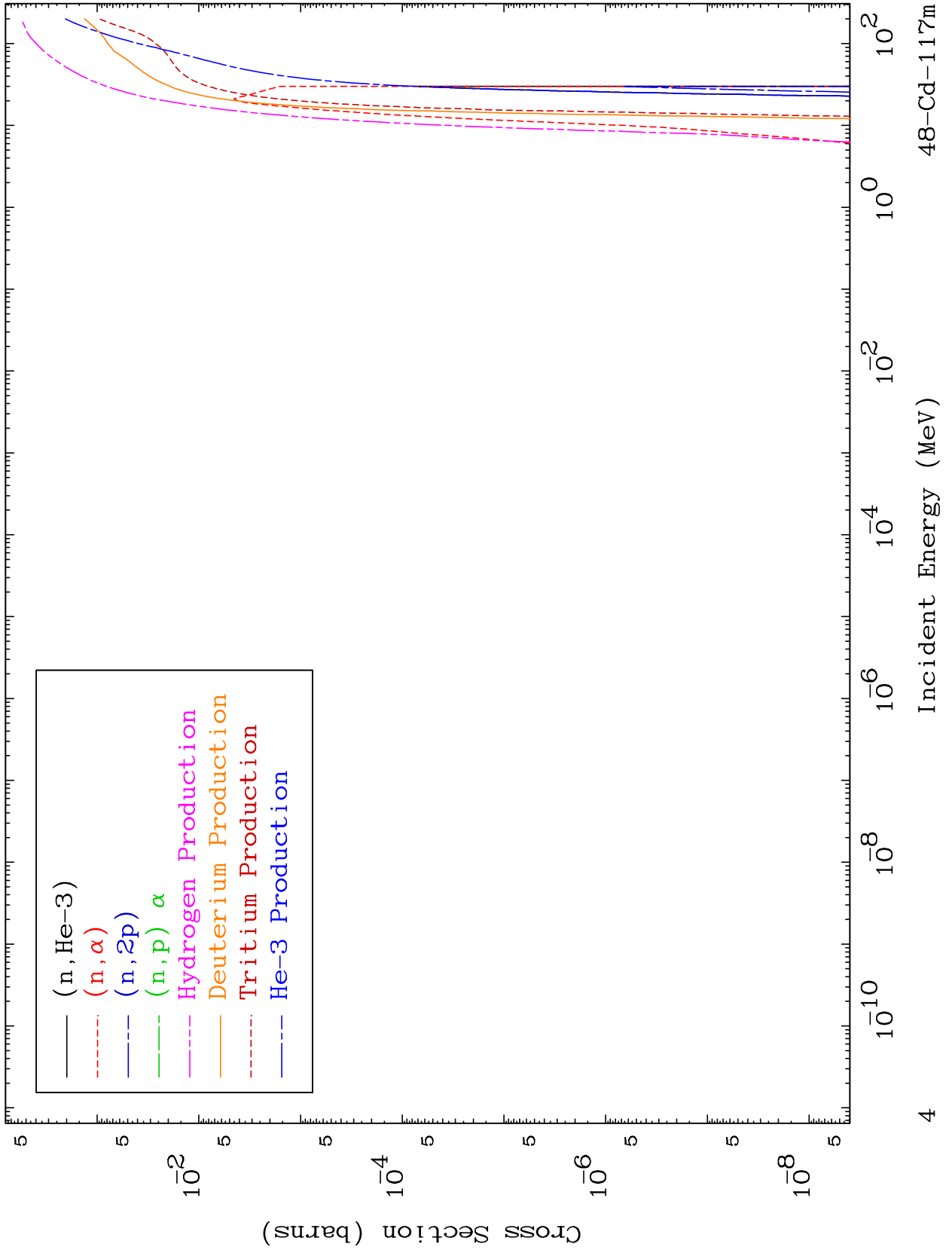
48-Cd-117m



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Neutron Absorption
293 Kelvin Cross Sections

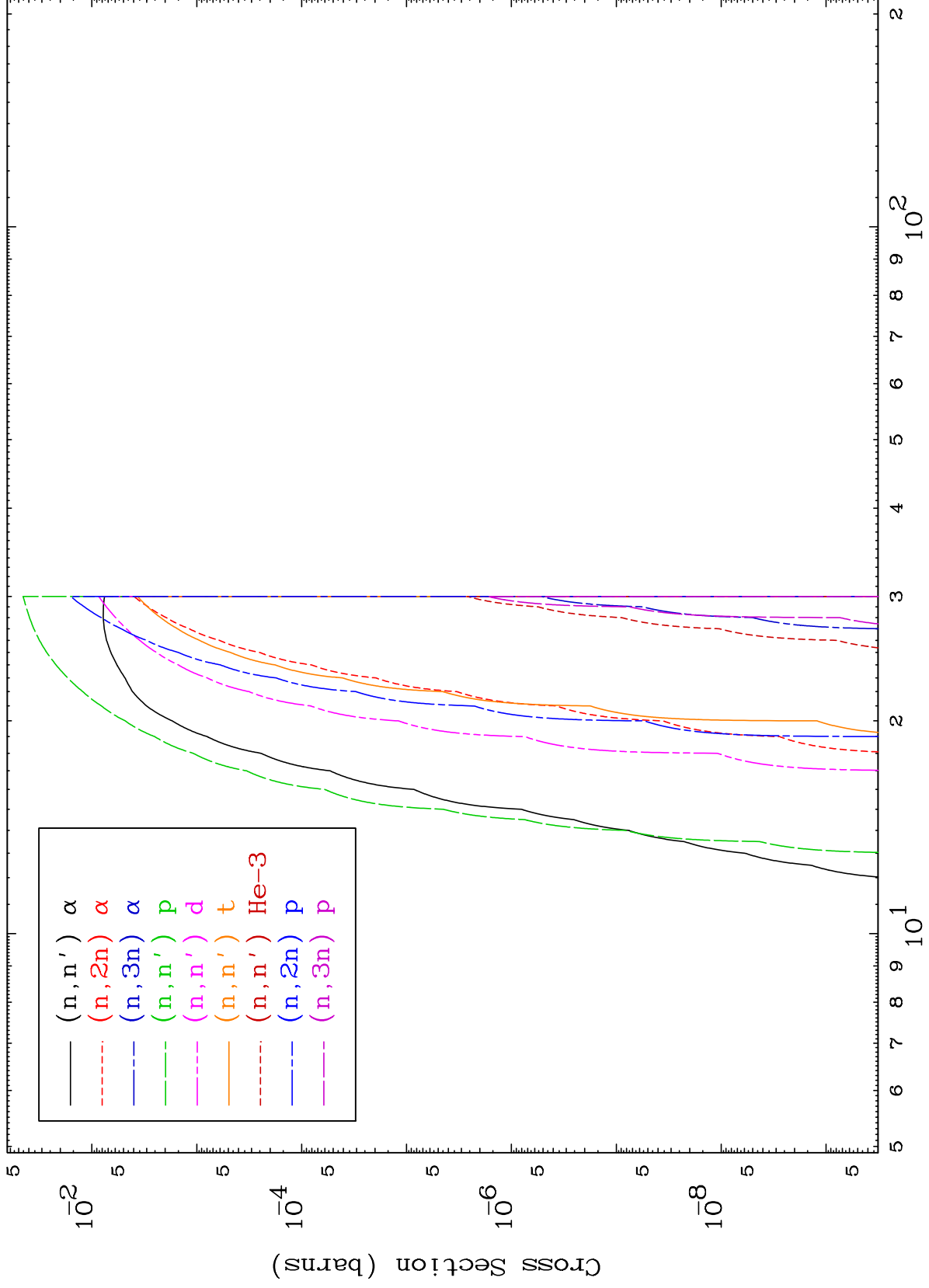
48-Cd-117m



MAT 4859

Charged Particle
293 Kelvin Cross Sections

48-Cd-117m



5

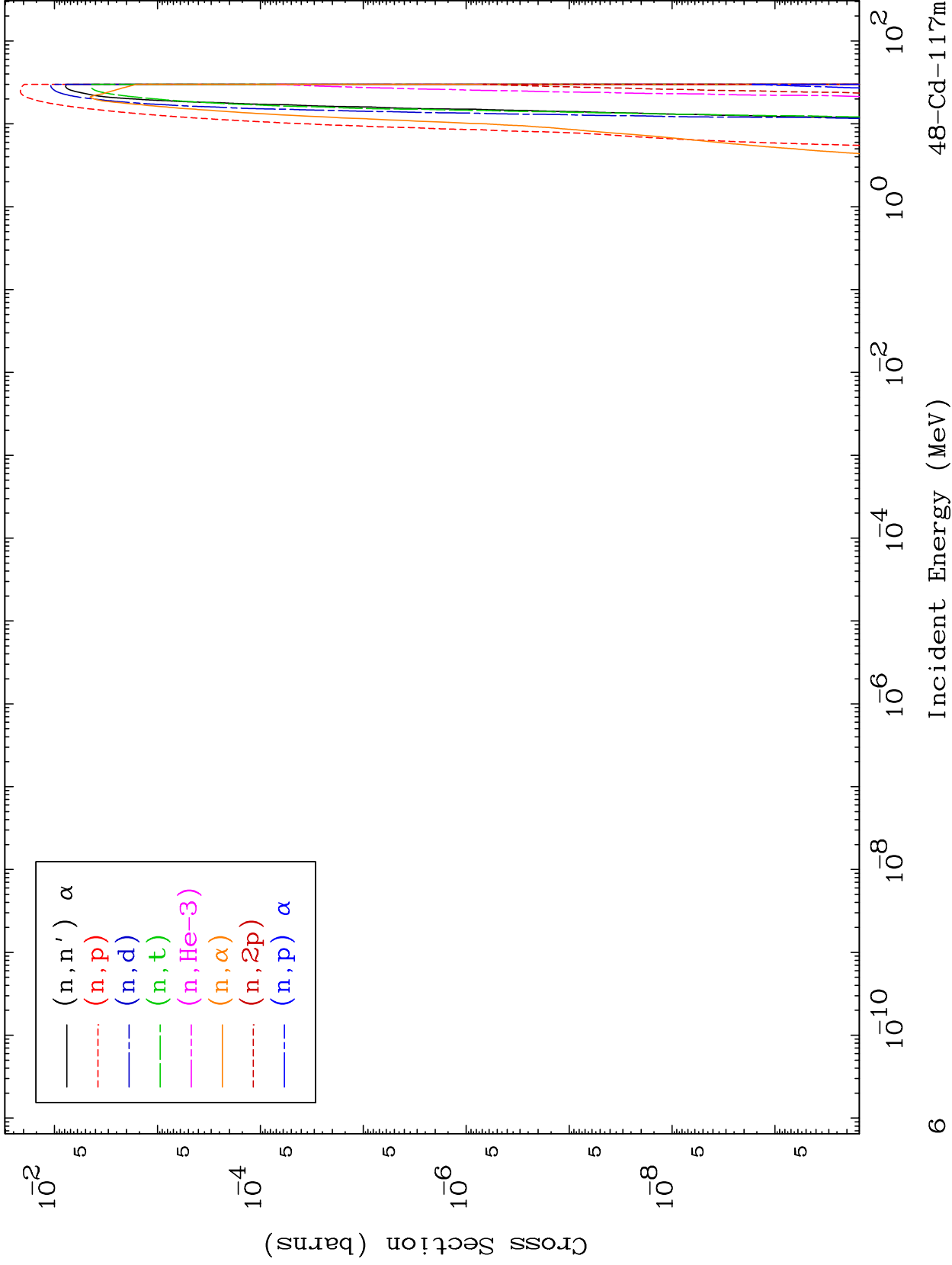
Incident Energy (MeV)

48-Cd-117m

MAT 4859

Charged Particle
293 Kelvin Cross Sections

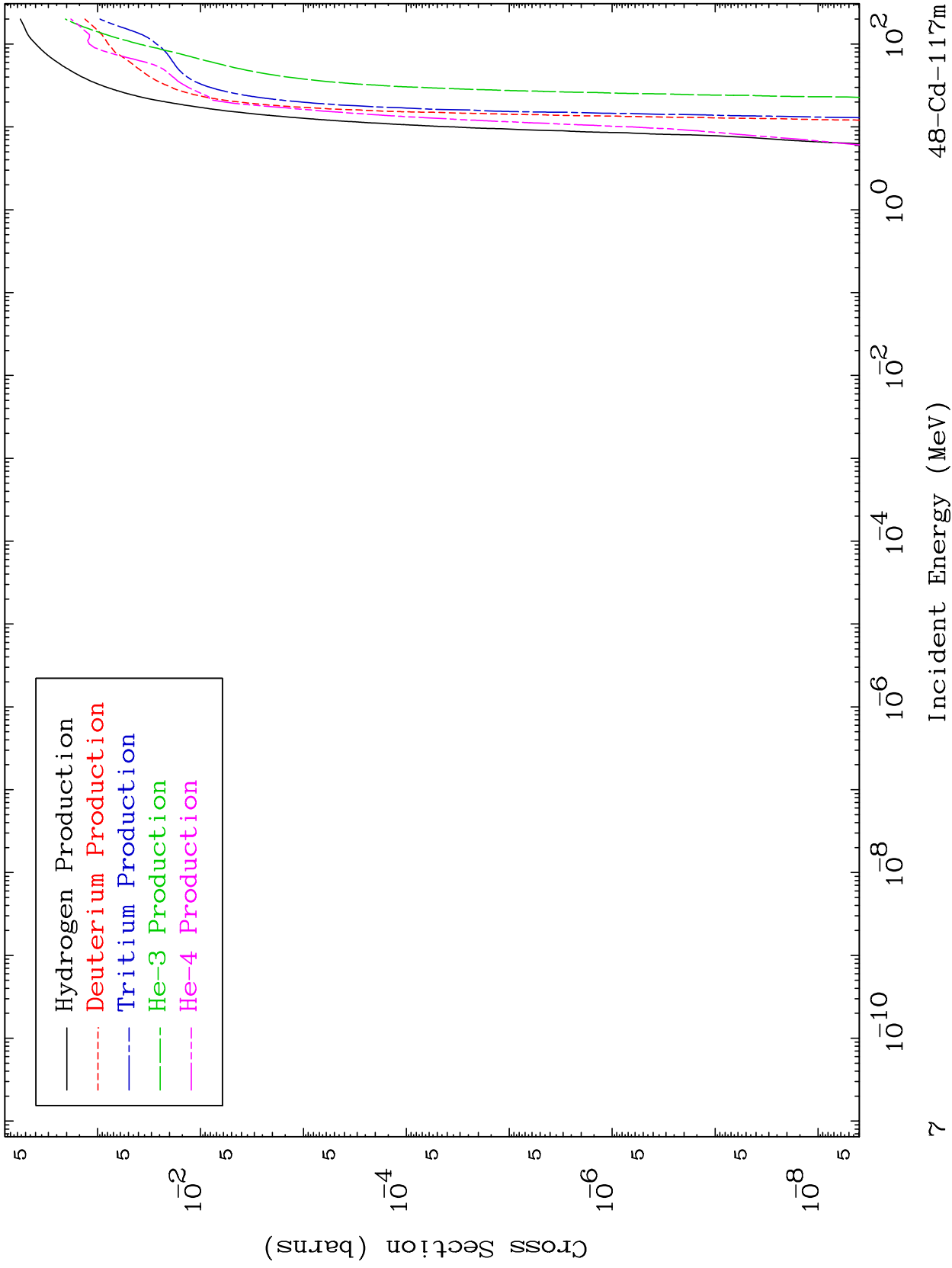
48-Cd-117m



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Particle Production
293 Kelvin Cross Sections

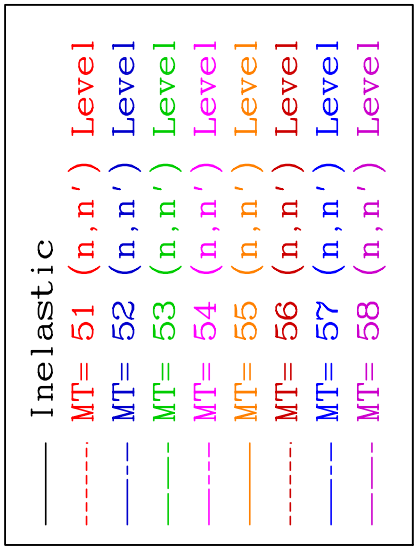
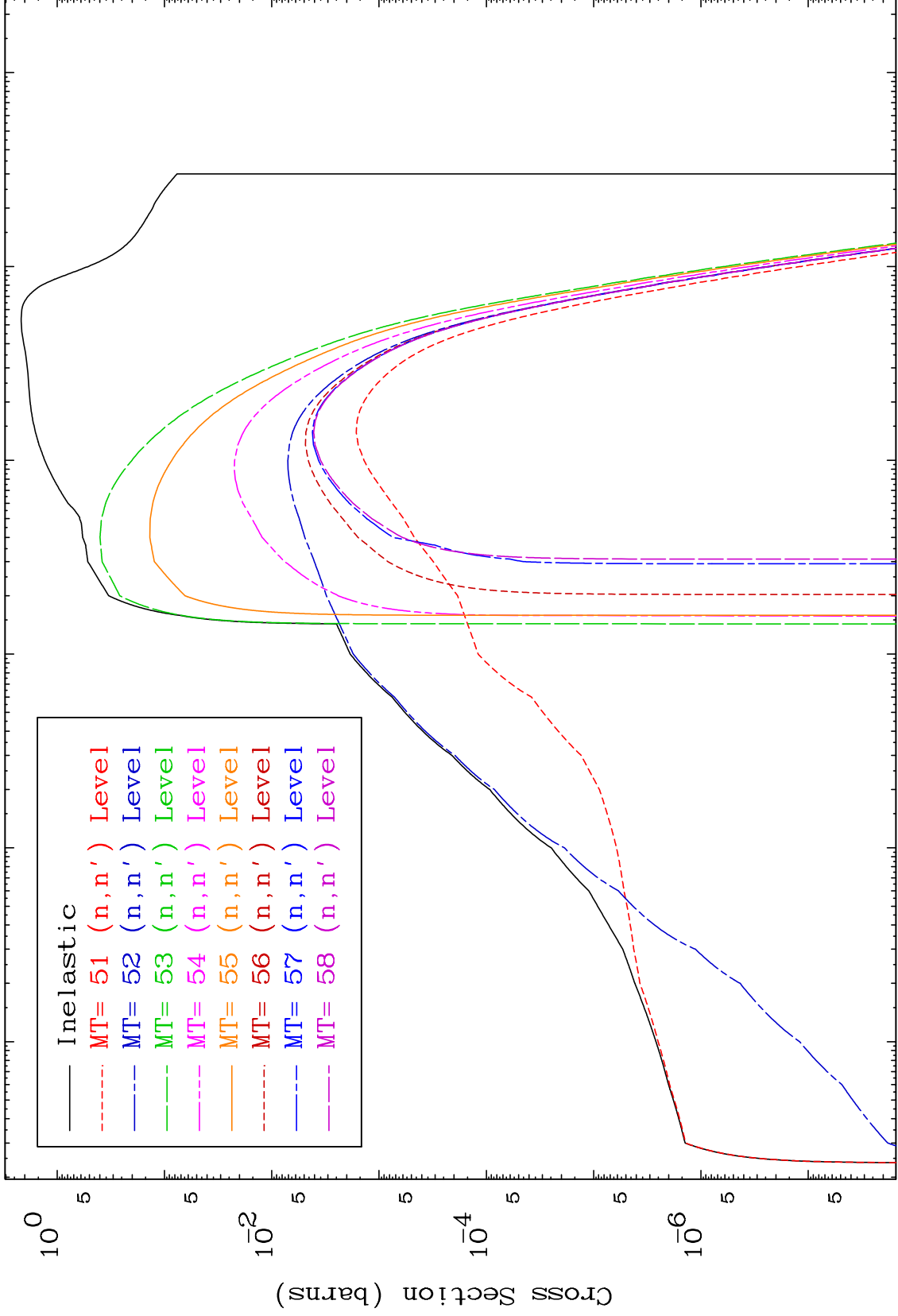
48-Cd-117m



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(n,n') Levels
293 Kelvin Cross Sections

48-Cd-117m

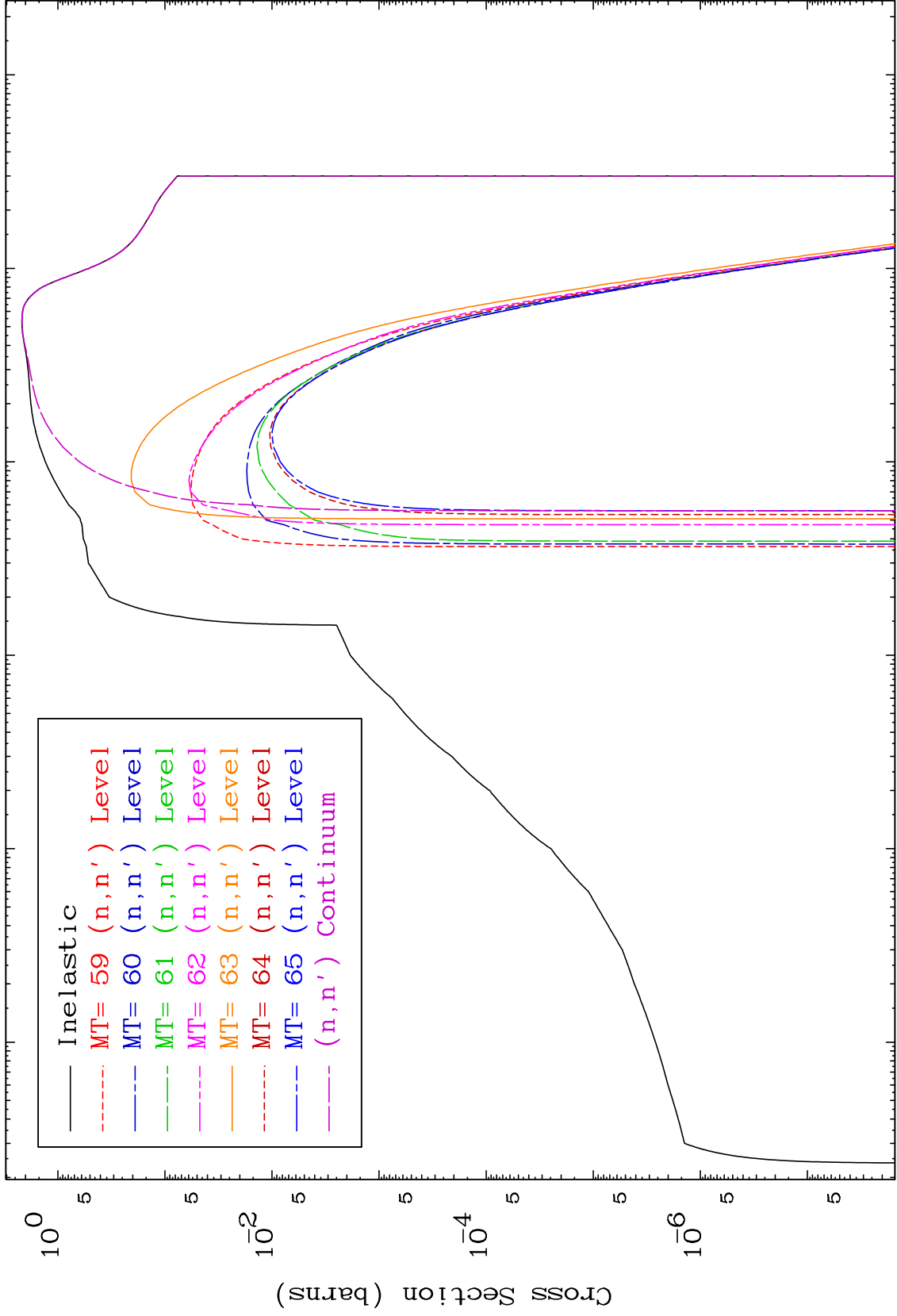


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(n,n') Levels

48-Cd-117m

293 Kelvin Cross Sections

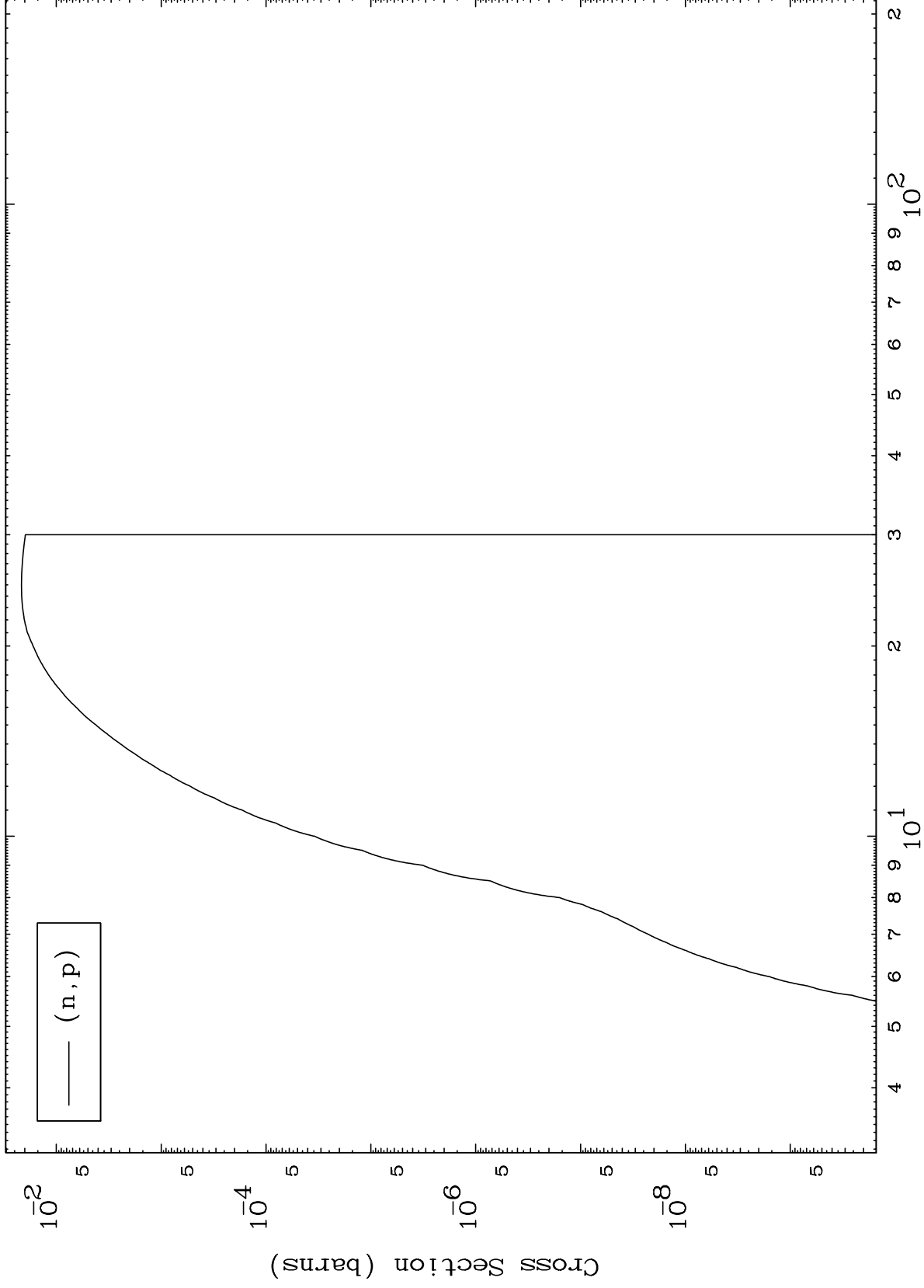


48-Cd-117m

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(n,p) Levels
293 Kelvin Cross Sections

48-Cd-117m



10

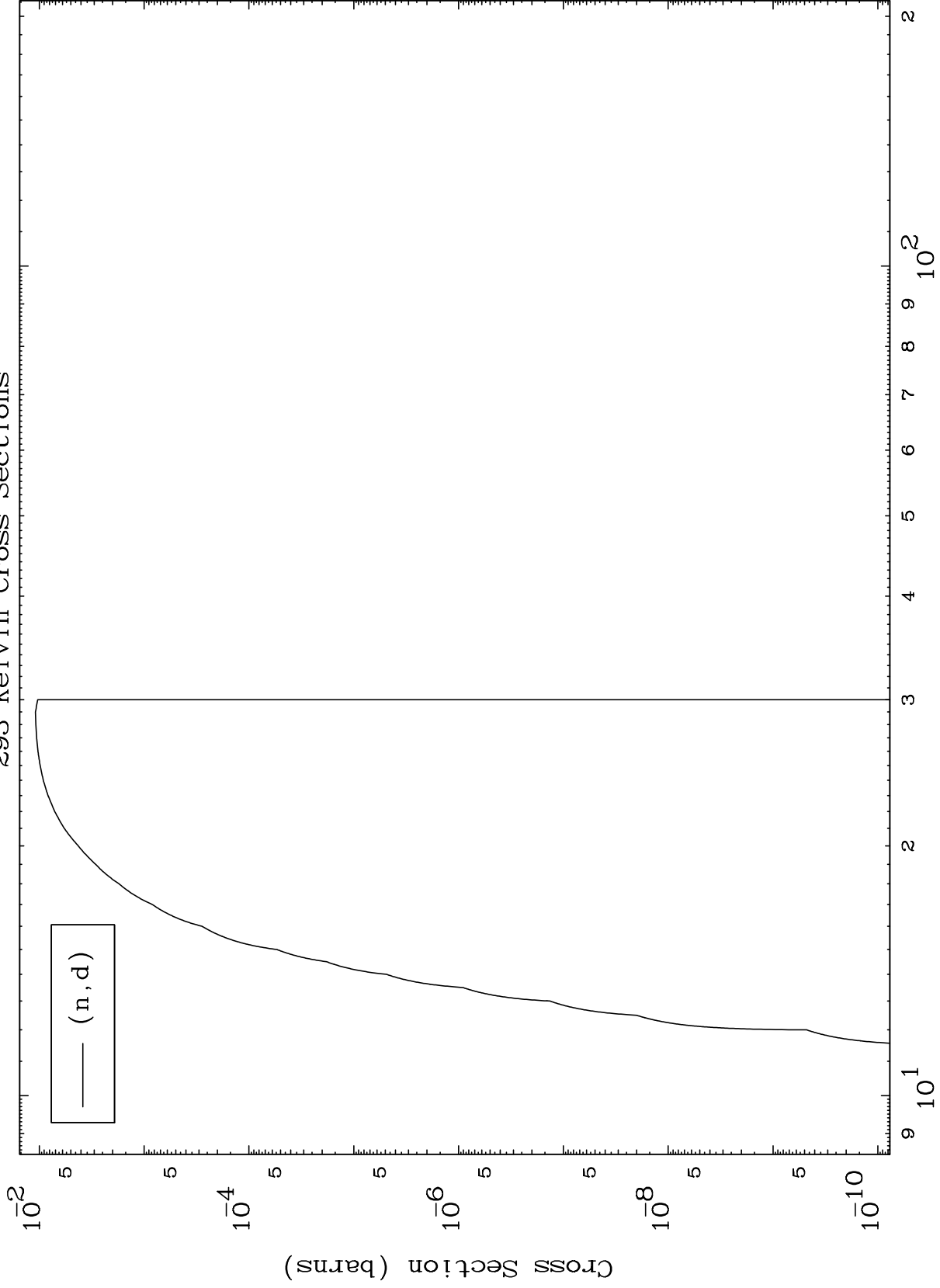
Incident Energy (MeV)

48-Cd-117m

MAT 4859

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-117m



48-Cd-117m

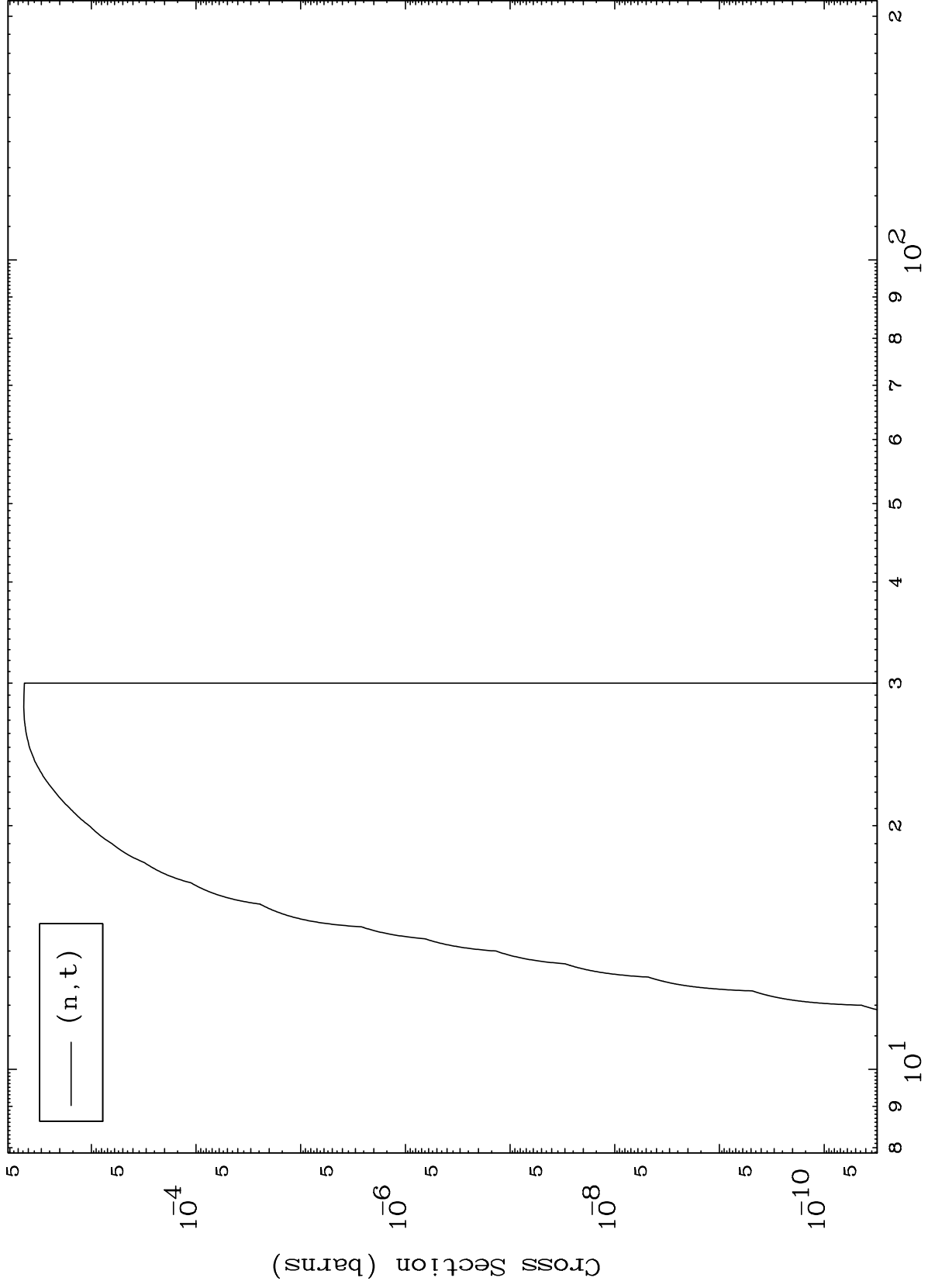
Incident Energy (MeV)

11

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(n,t) Levels
293 Kelvin Cross Sections

48-Cd-117m



12

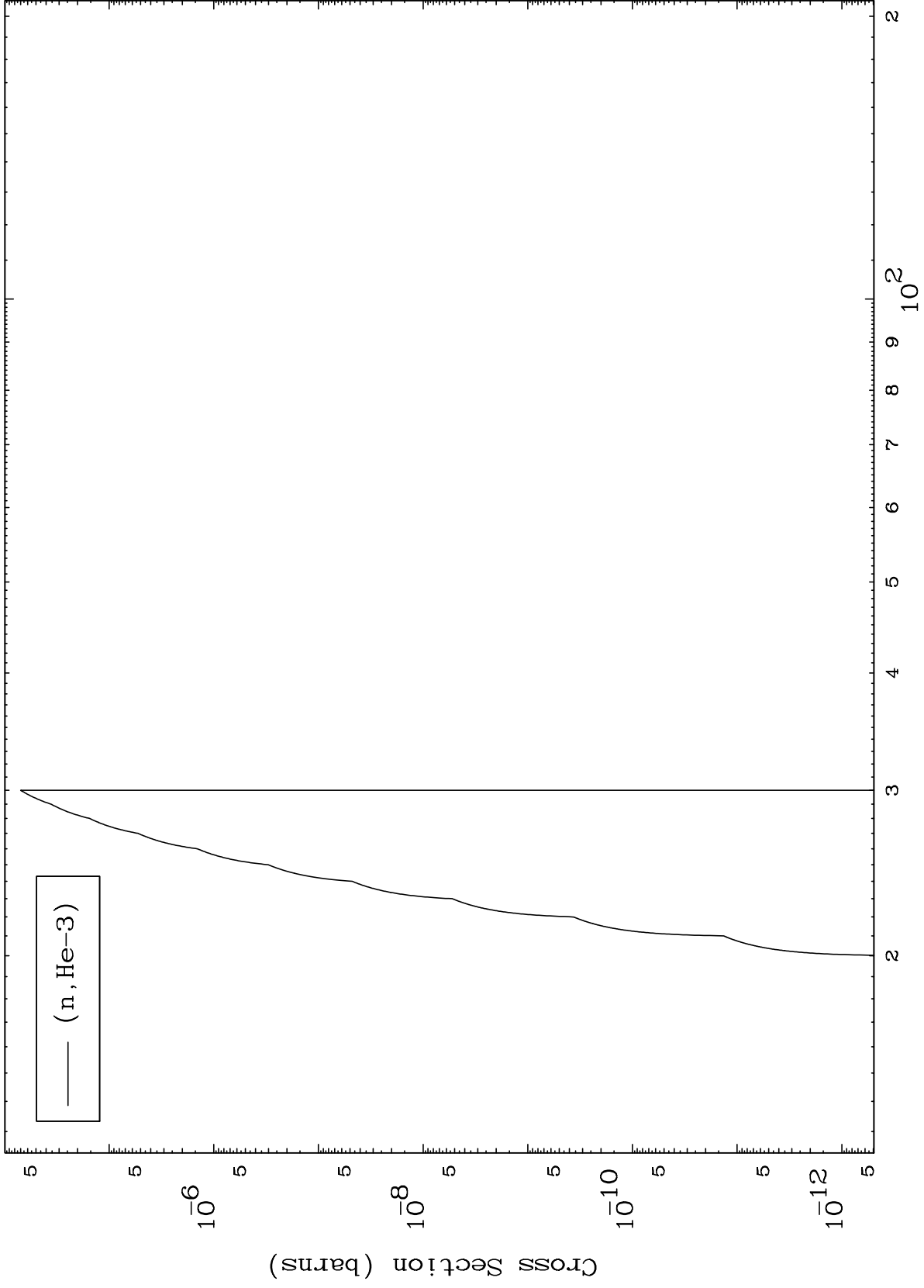
Incident Energy (MeV)

48-Cd-117m

MAT 4859

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-117m



13

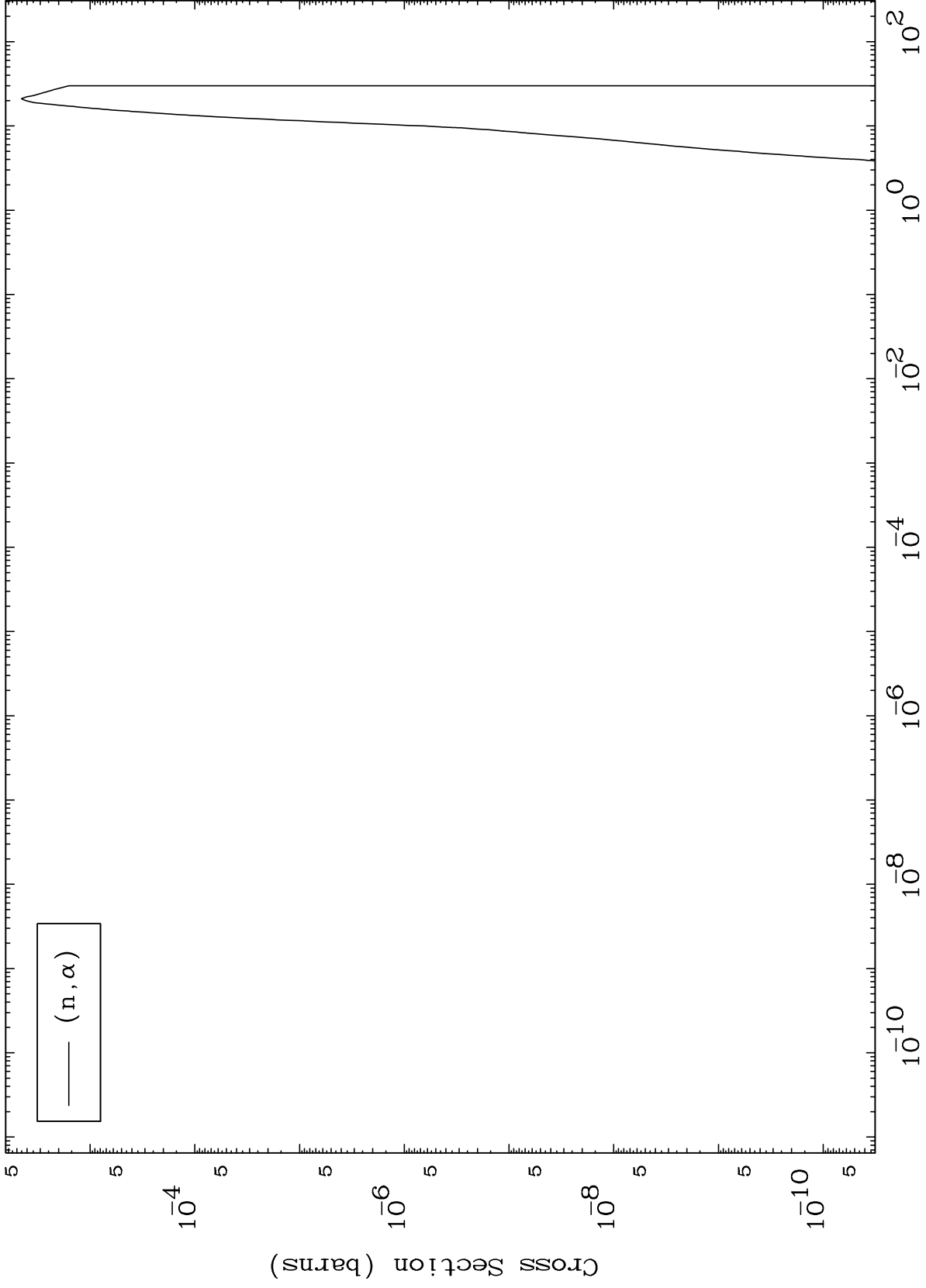
Incident Energy (MeV)

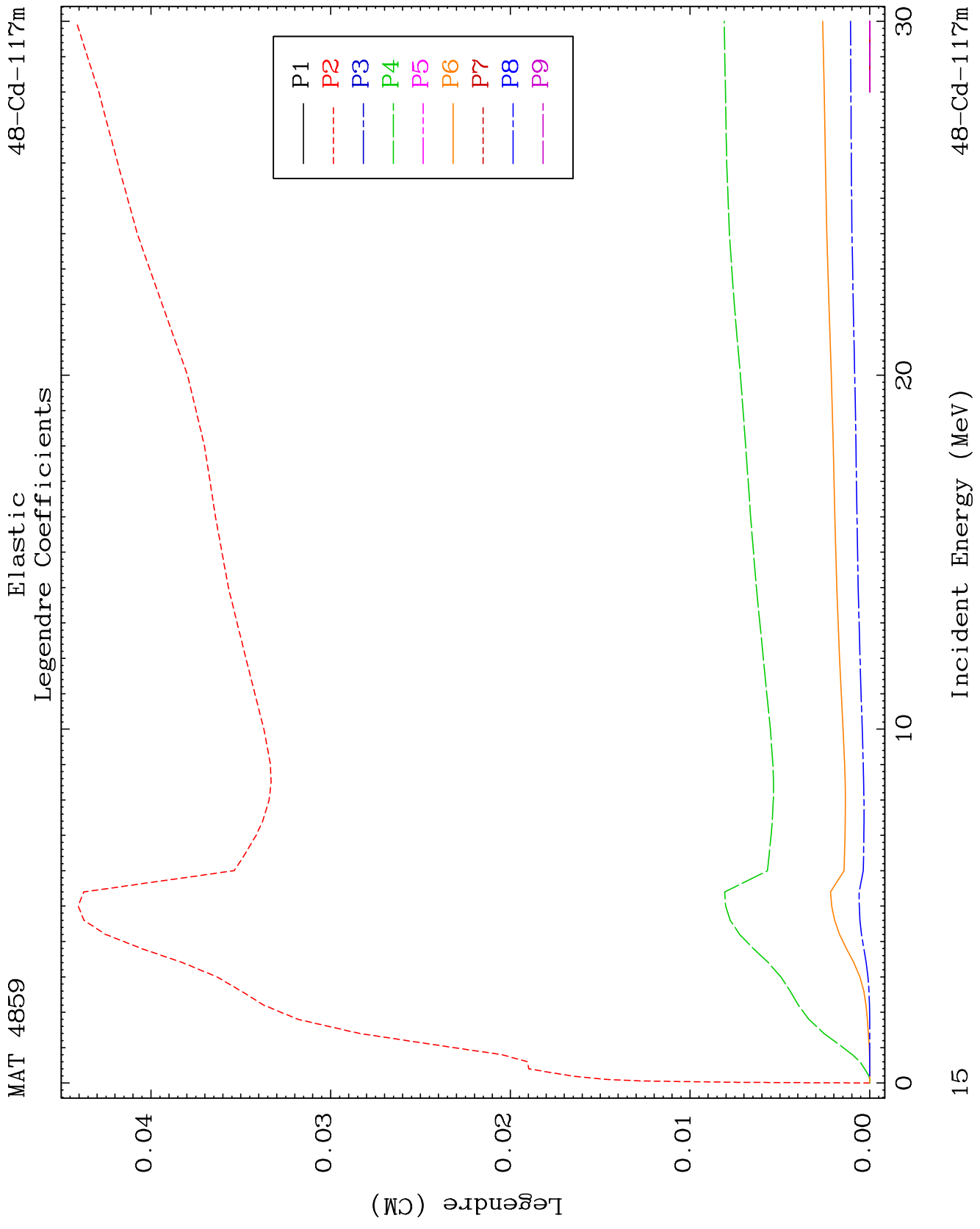
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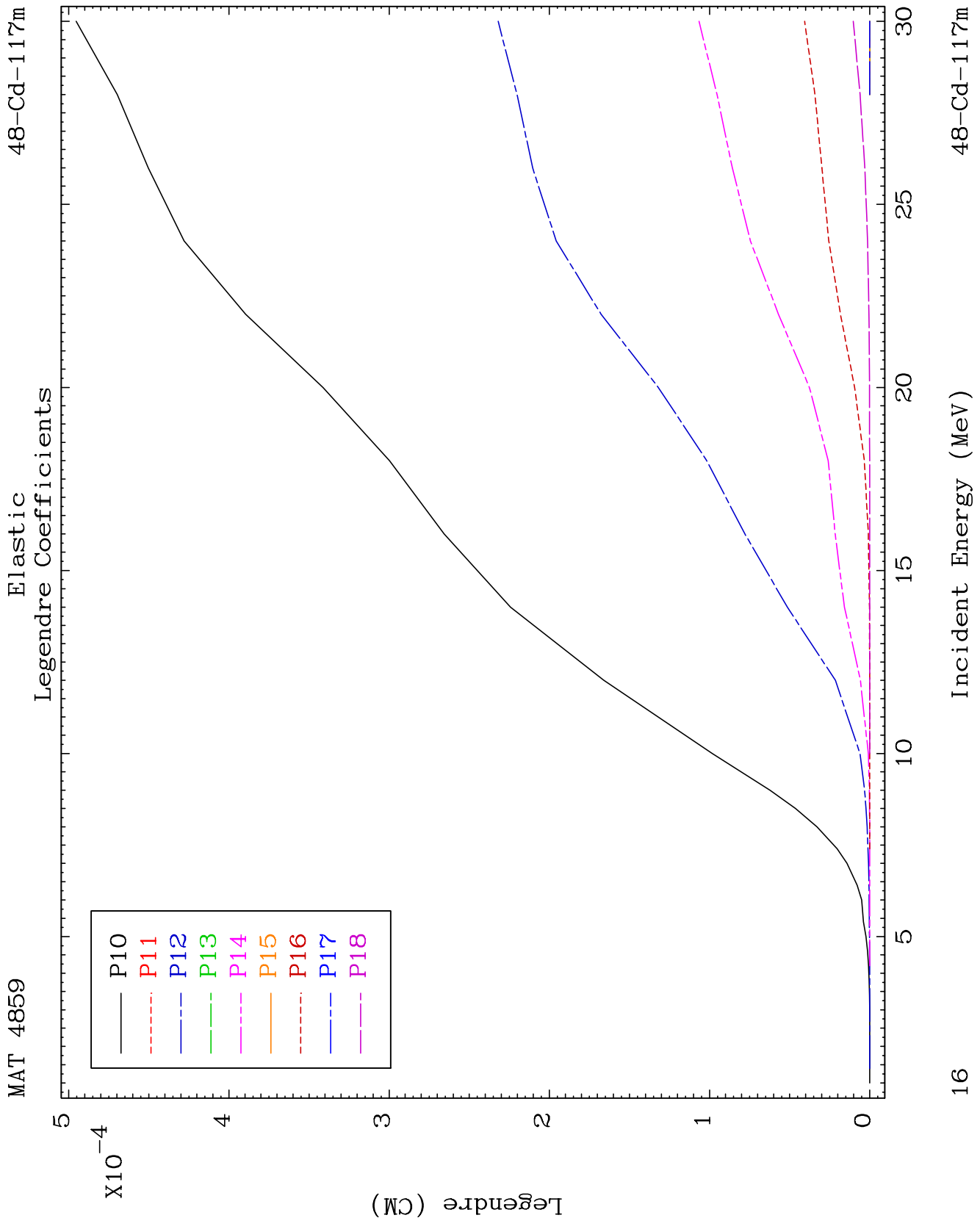
MAT 4859

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-117m



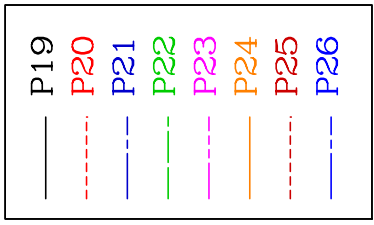




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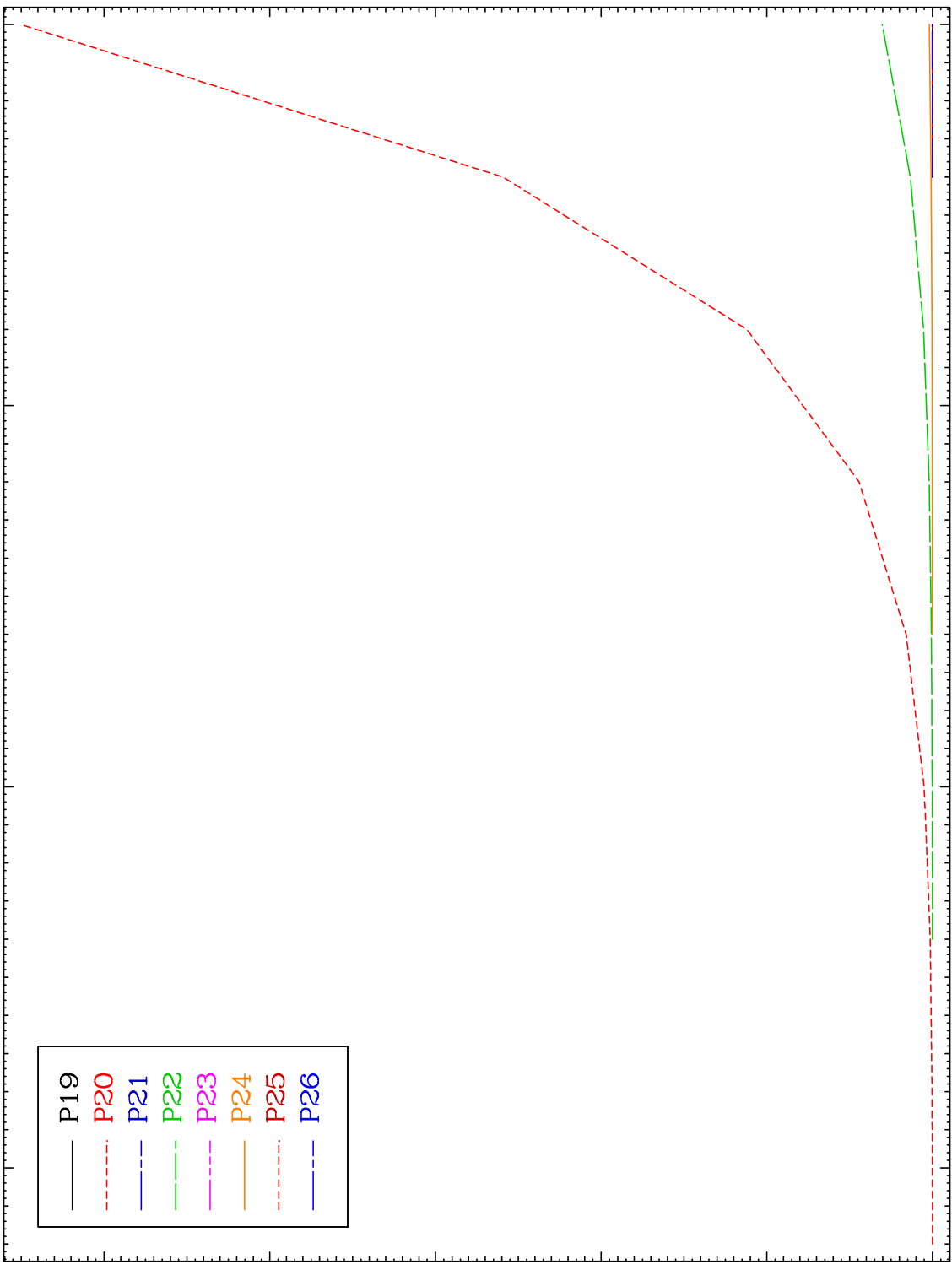
Elastic Legendre Coefficients

48-Cd-117m



$\times 10^{-7}$

Legendre (CM)



30

15

17

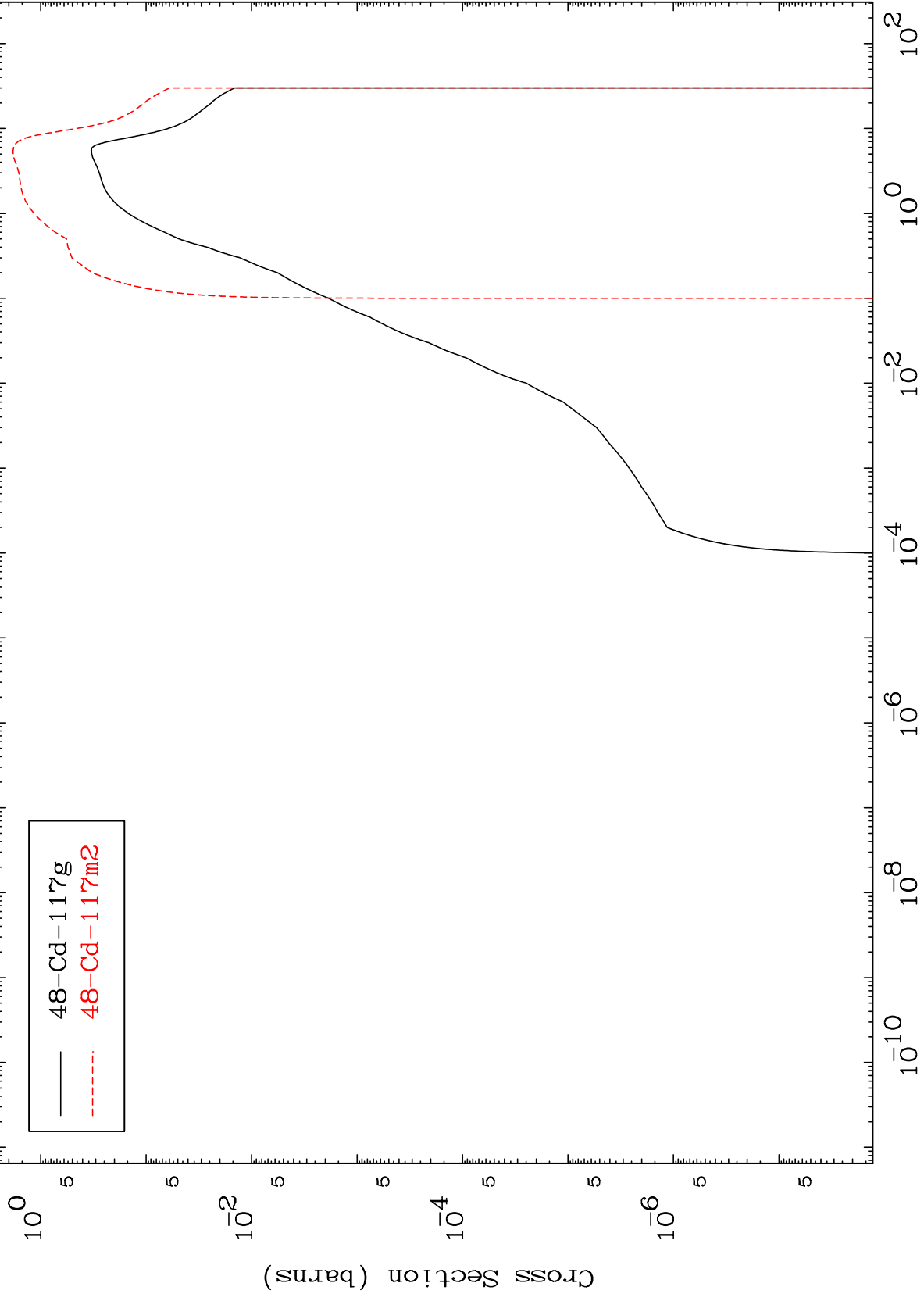
Incident Energy (MeV)

48-Cd-117m

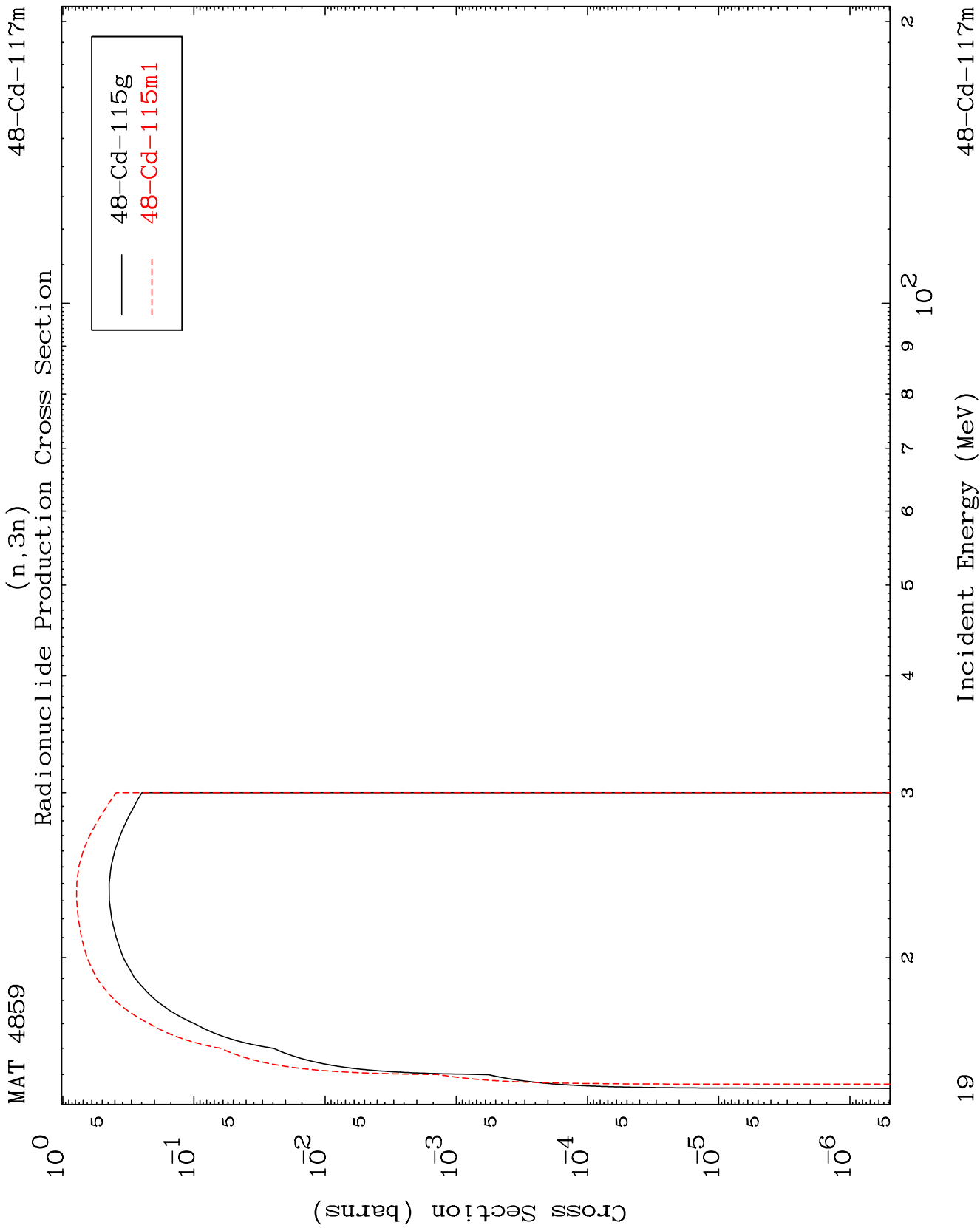
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Inelastic
Radionuclide Production Cross Section

48-Cd-117m



48-Cd-117m

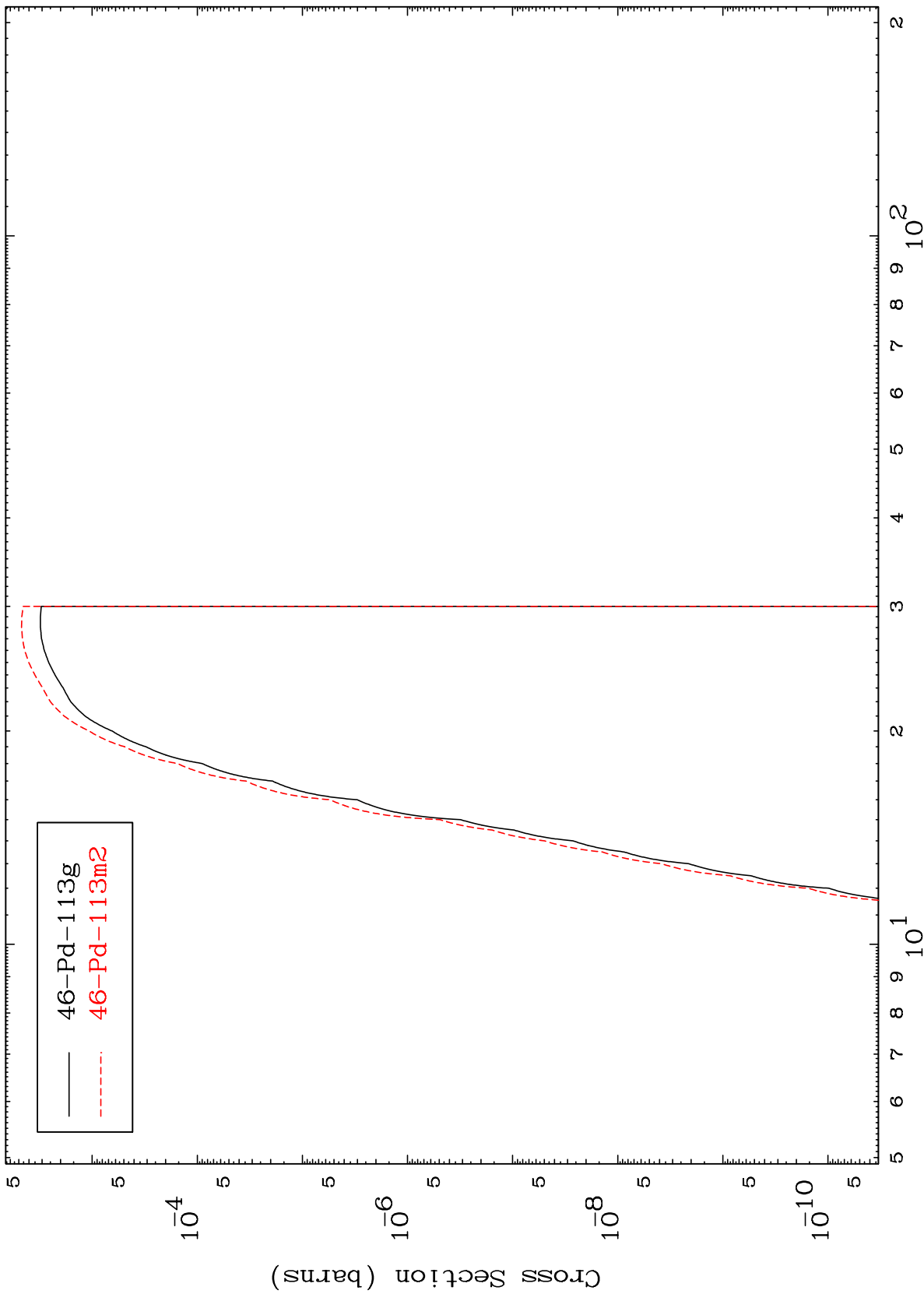


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48-Cd-117m

(n,n') α

Radionuclide Production Cross Section



48-Cd-117m

Incident Energy (MeV)

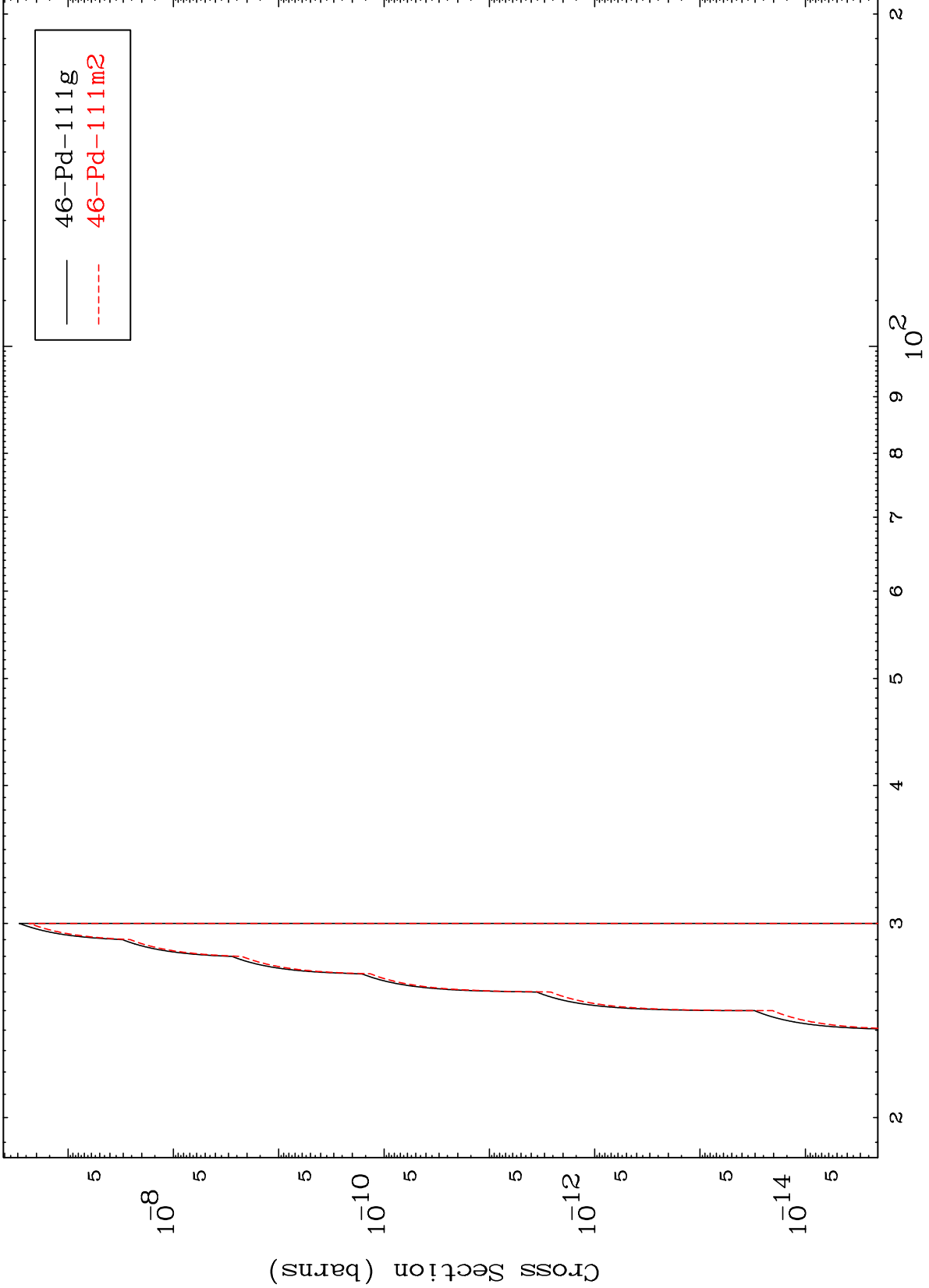
20

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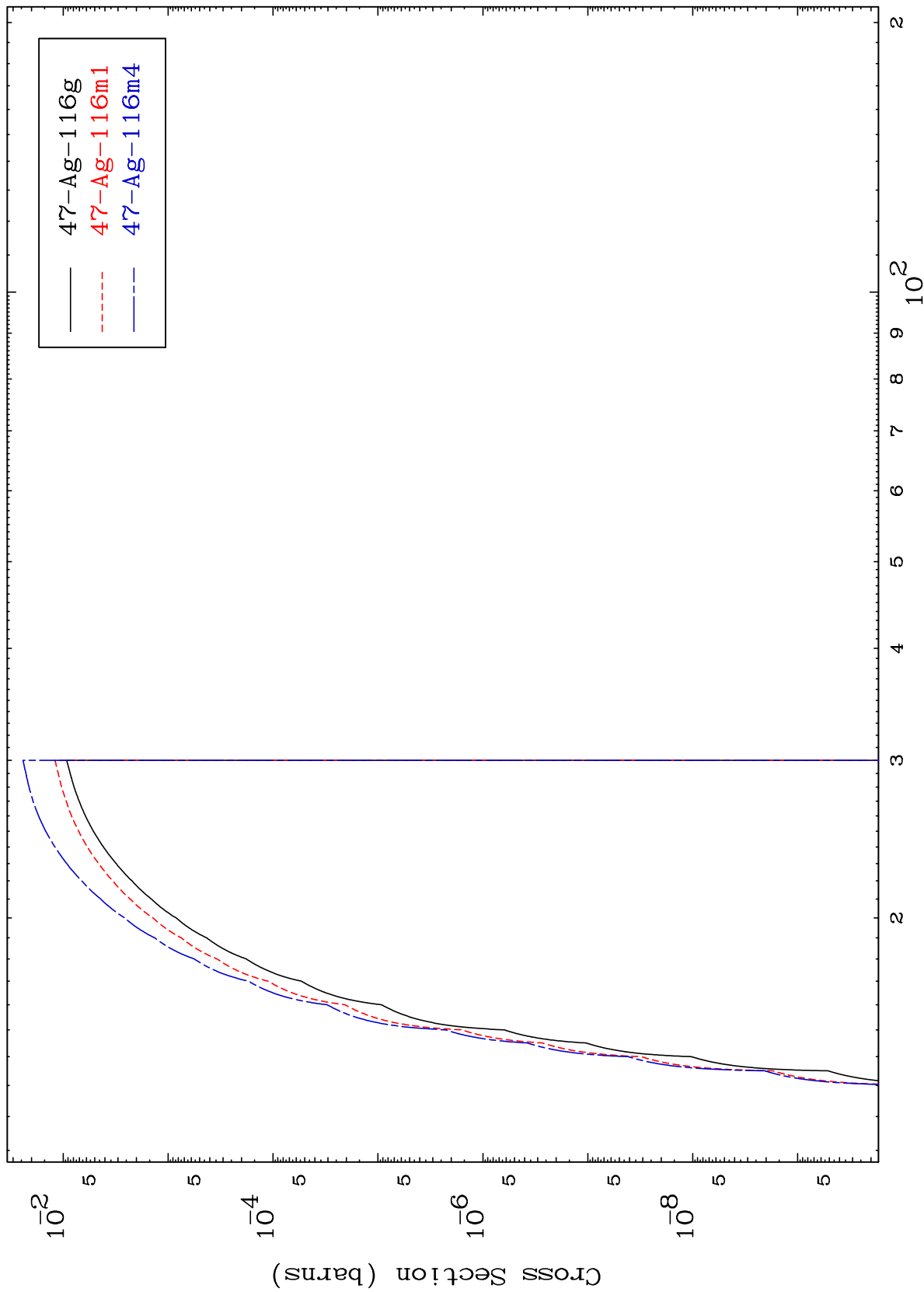
(n,3n) α

48-Cd-117m

Radionuclide Production Cross Section



Radionuclide Production Cross Section

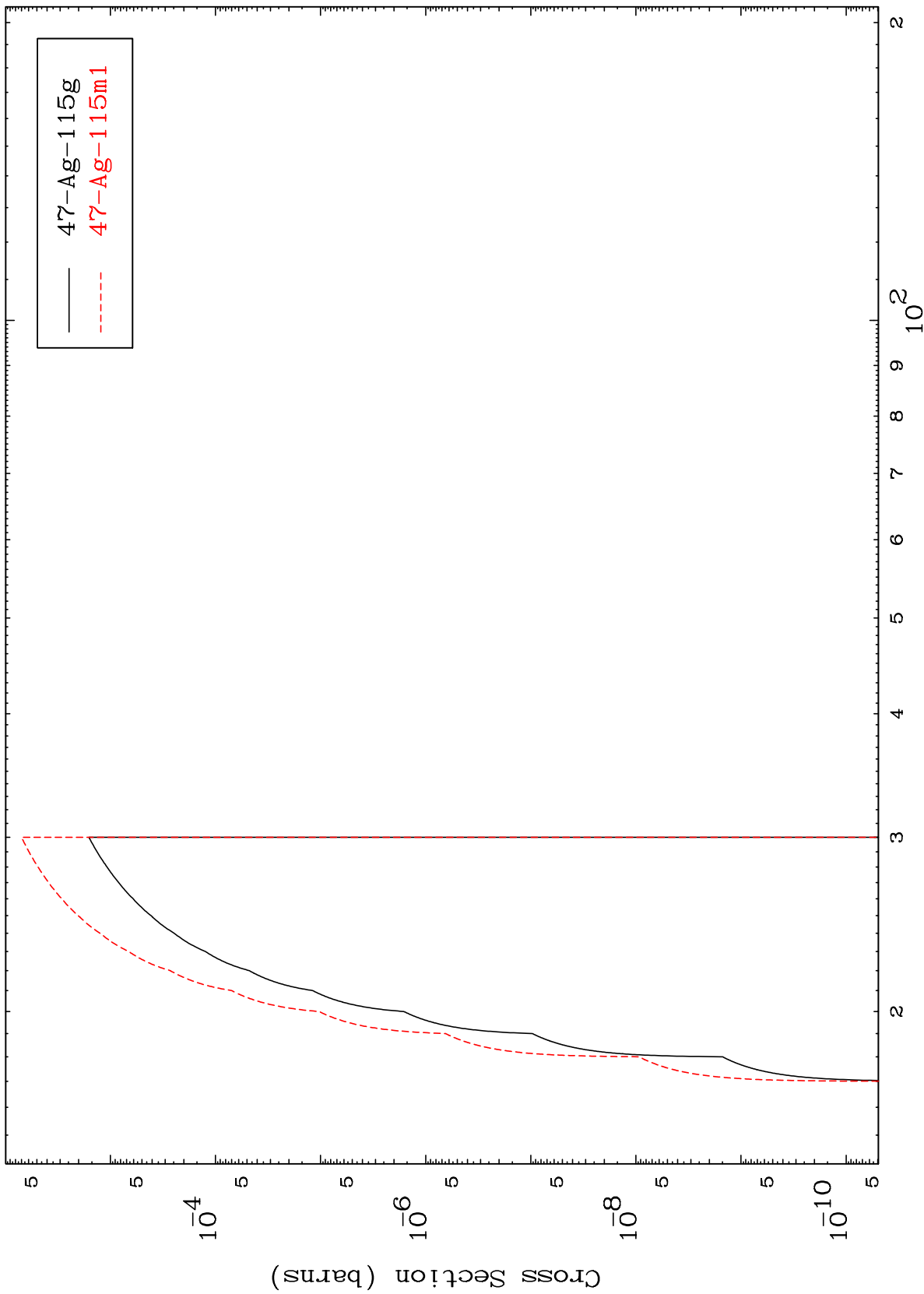


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(n,n') d

48-Cd-117m

Radionuclide Production Cross Section

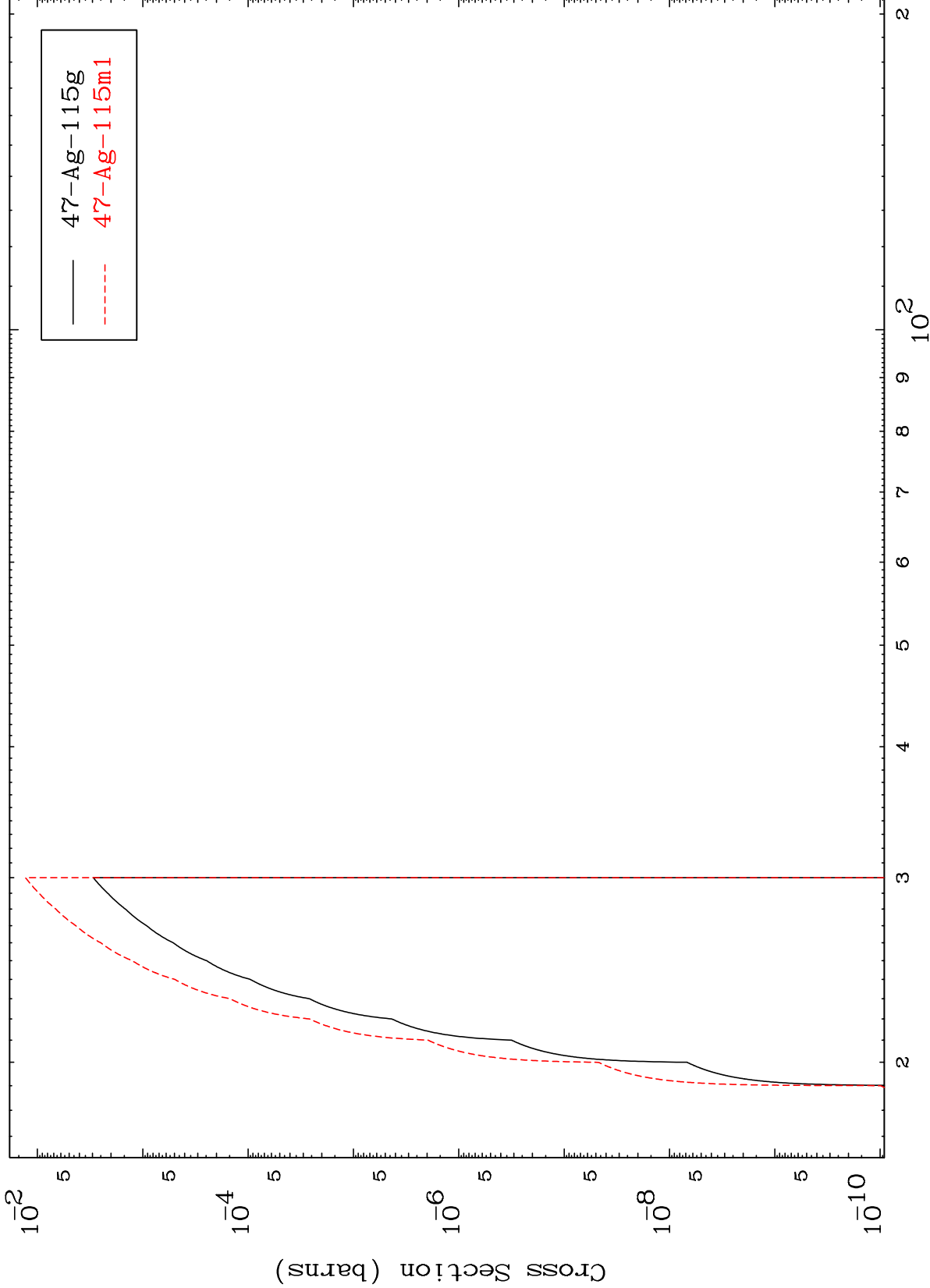


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(n,2n) p

48-Cd-117m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

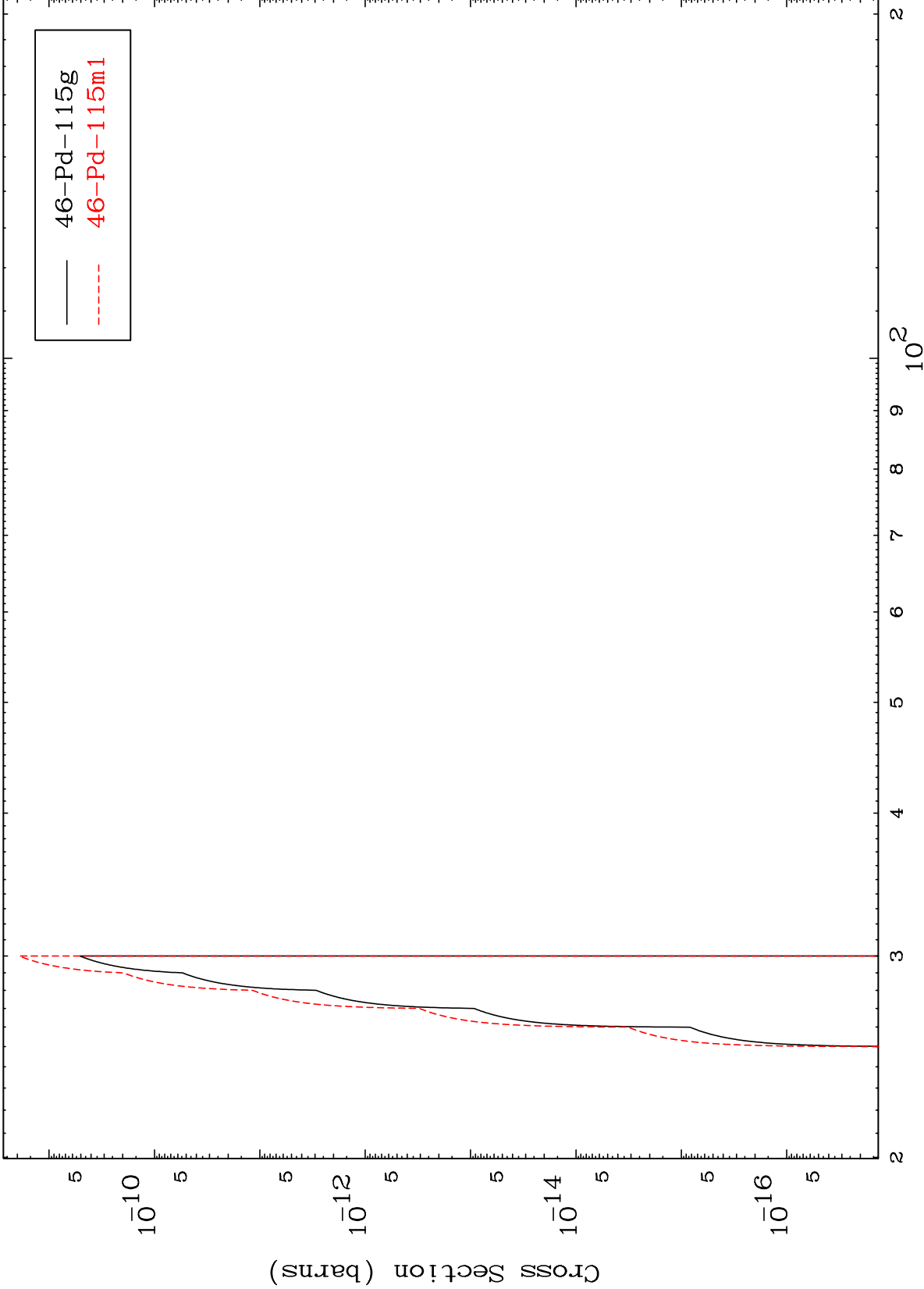
48-Cd-117m

MAT 4859

(n,2n) p

48-Cd-117m

Radionuclide Production Cross Section



25

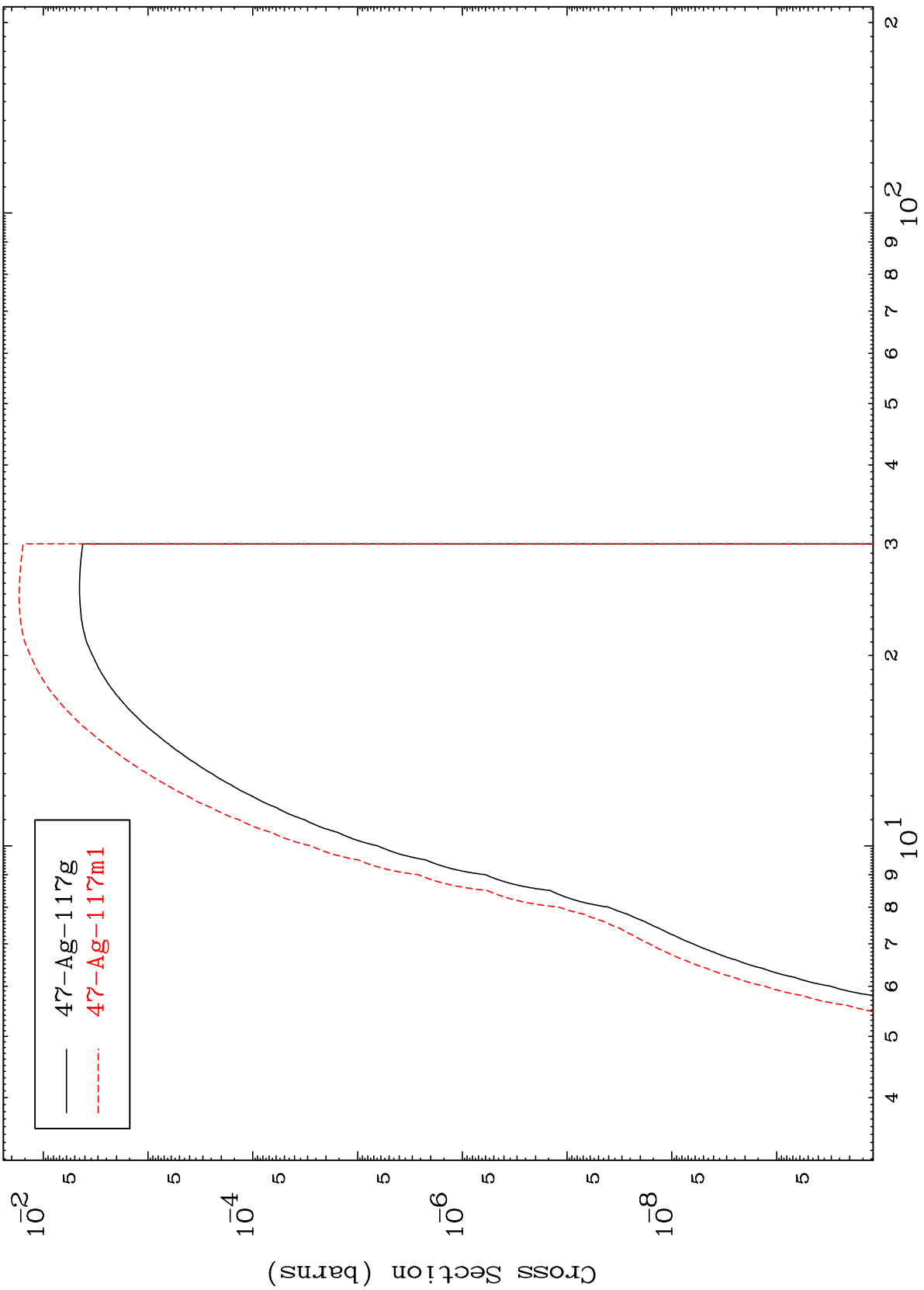
Incident Energy (MeV)

48-Cd-117m

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48-Cd-117m

(n,p)
Radionuclide Production Cross Section



26

48-Cd-117m

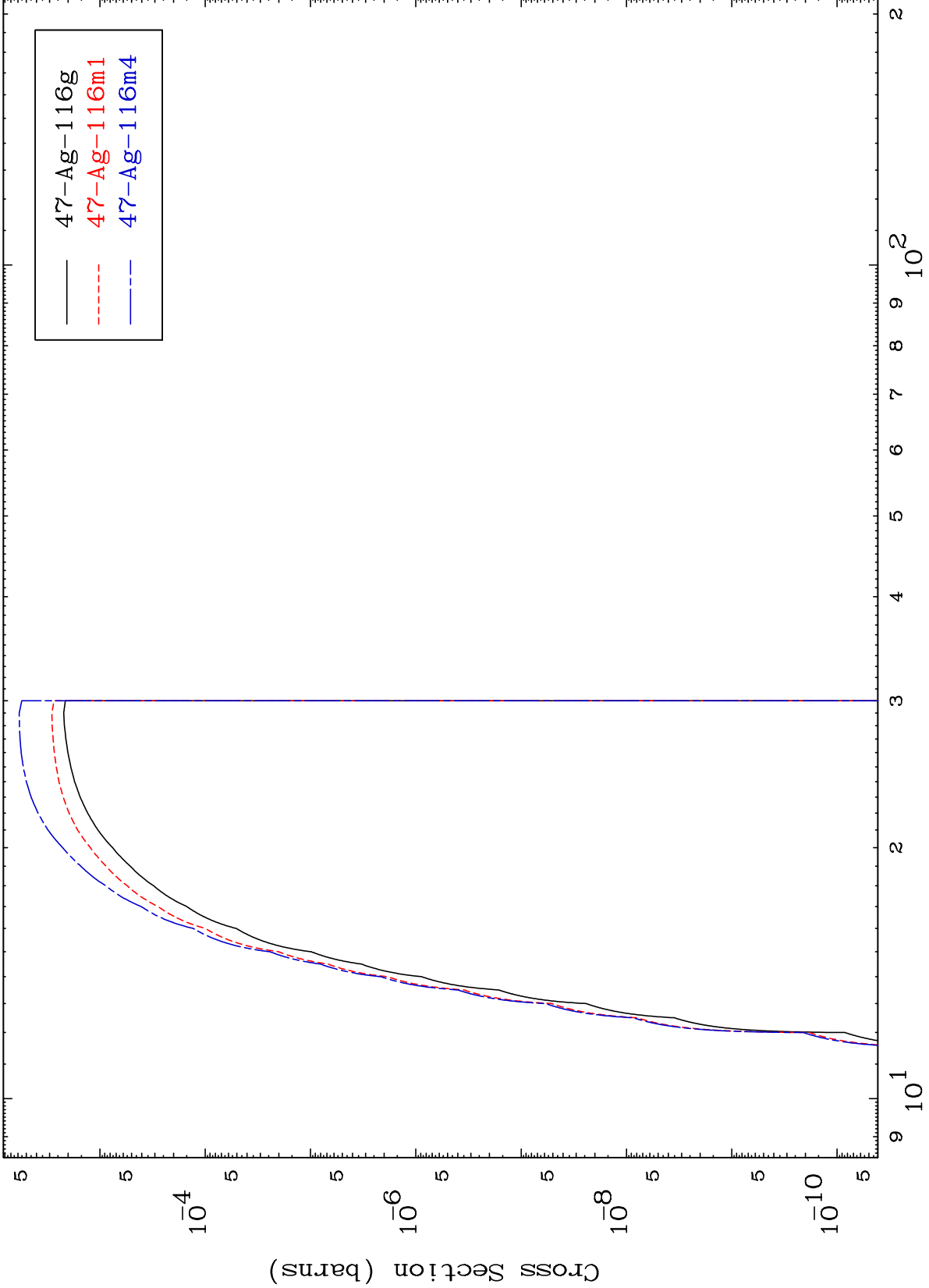
Incident Energy (MeV)

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(n,d)

48-Cd-117m

Radionuclide Production Cross Section



27

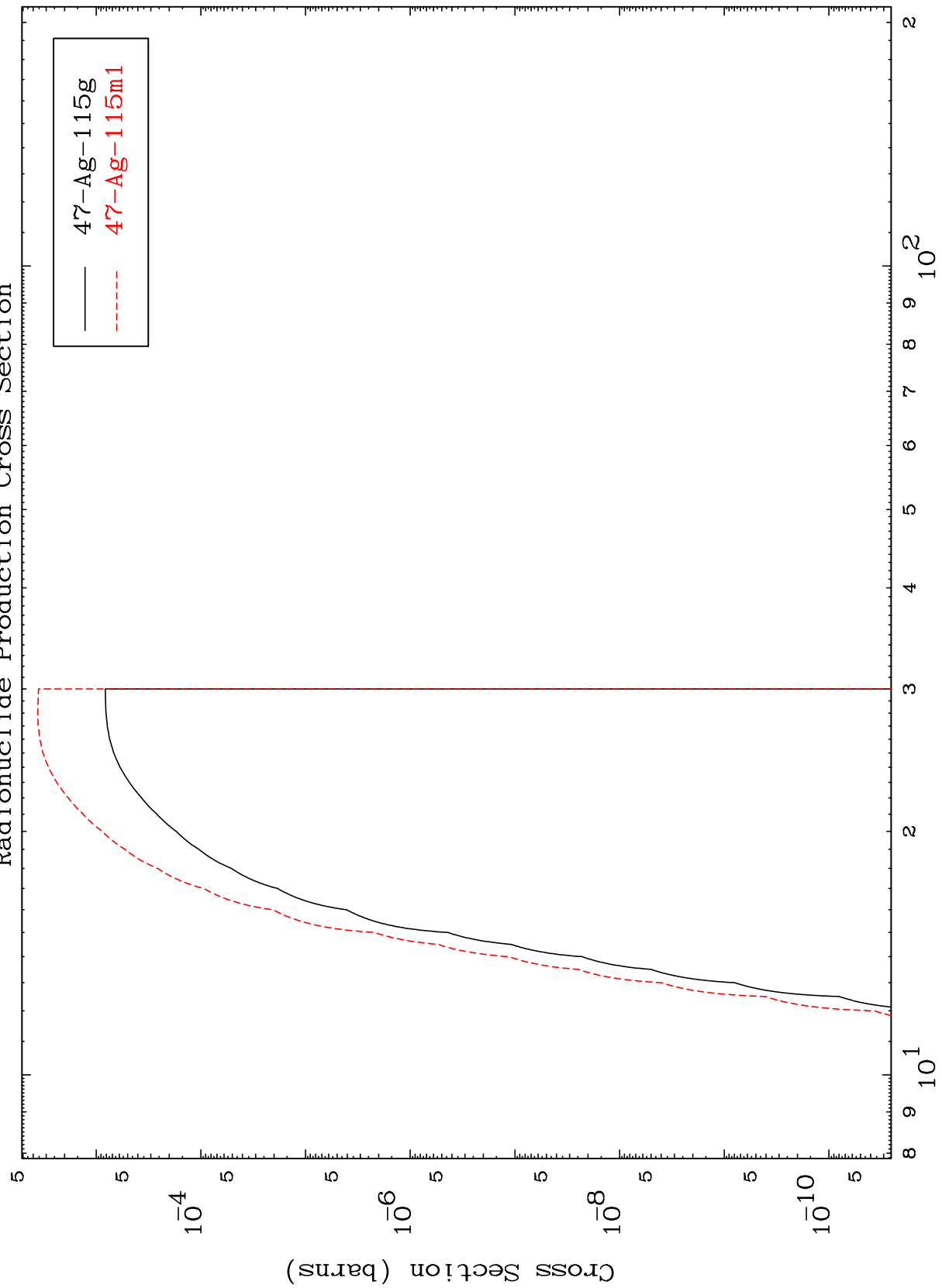
Incident Energy (MeV)

48-Cd-117m

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48-Cd-117m

(n,t)
Radionuclide Production Cross Section



28

Incident Energy (MeV)

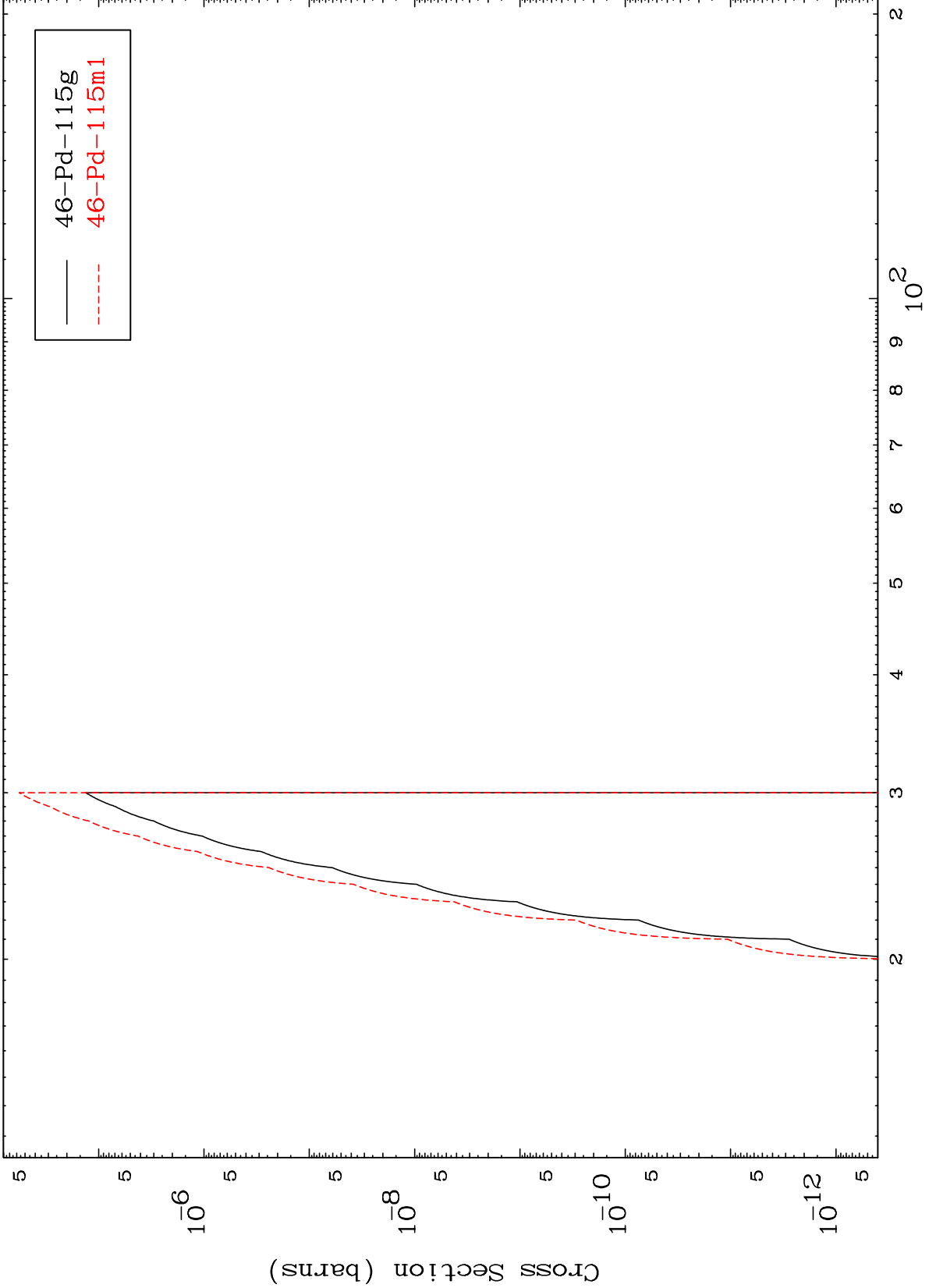
48-Cd-117m

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(n,He-3)

48-Cd-117m

Radionuclide Production Cross Section



46-Pd-115g
46-Pd-115m1

29

Incident Energy (MeV)

48-Cd-117m