

Program EVALPLOT
(Version 2021-1)

by

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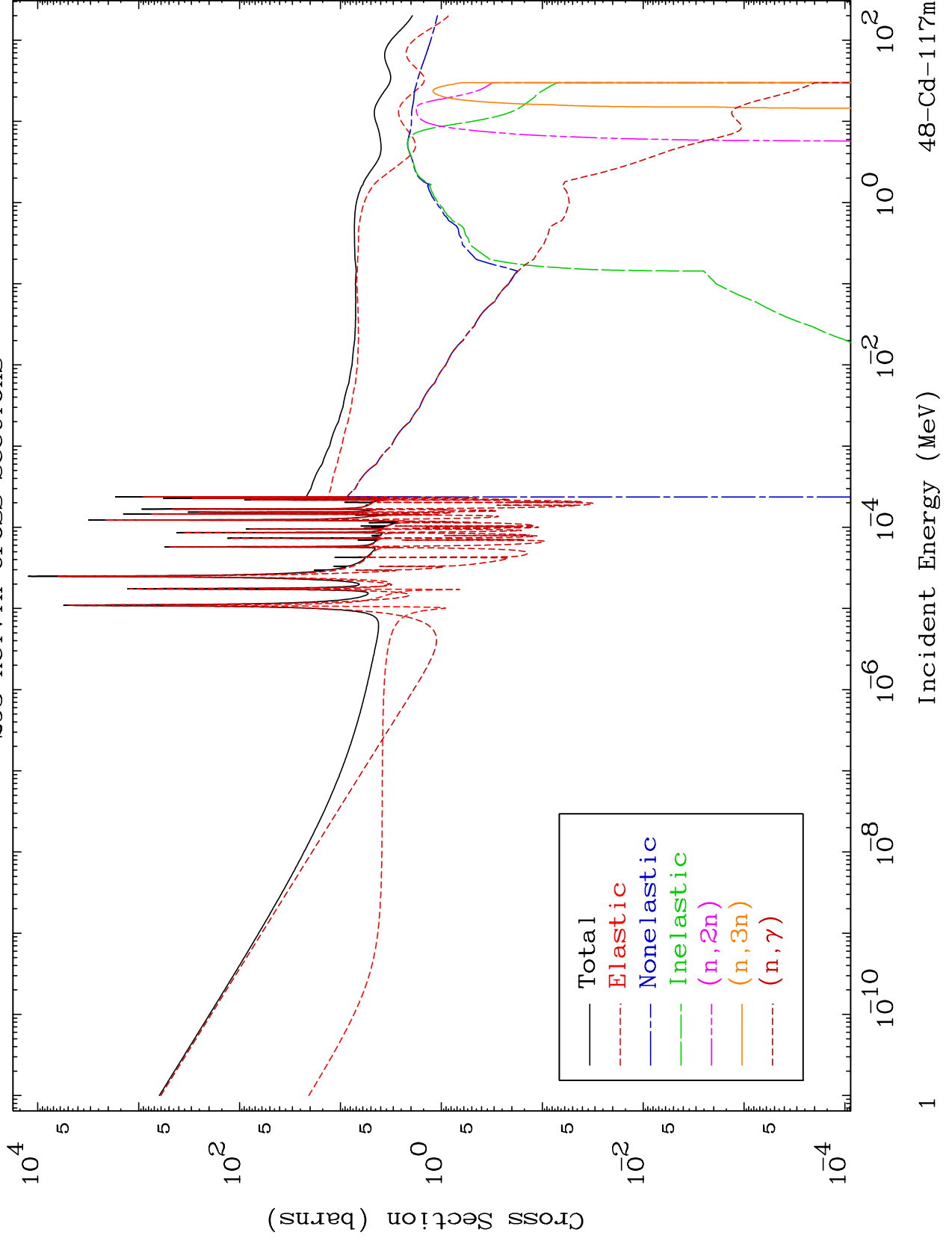
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4859

Neutron Major
293 Kelvin Cross Sections

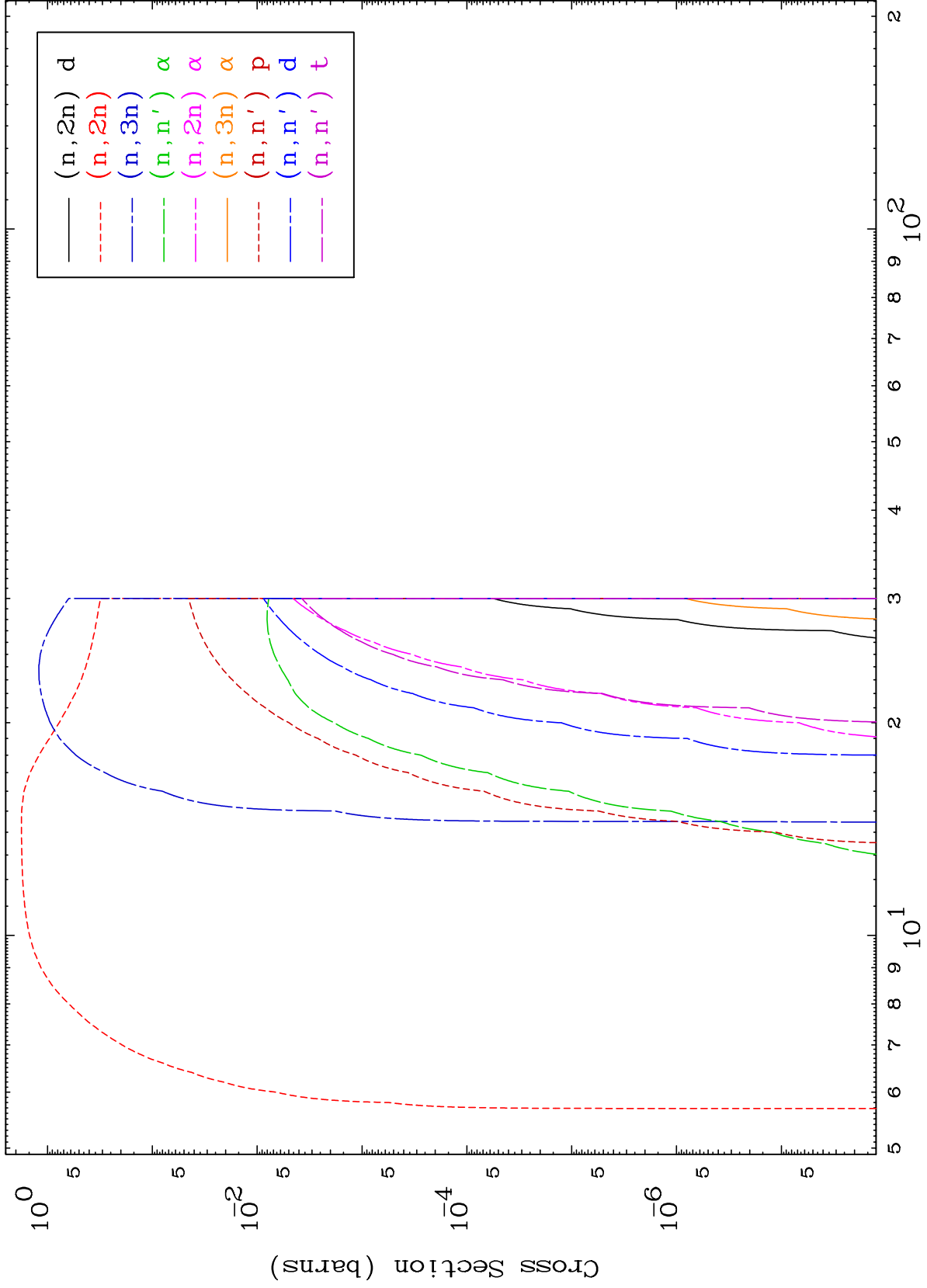
48-Cd-117m



MAT 4859

Neutron Absorption
293 Kelvin Cross Sections

48-Cd-117m



2

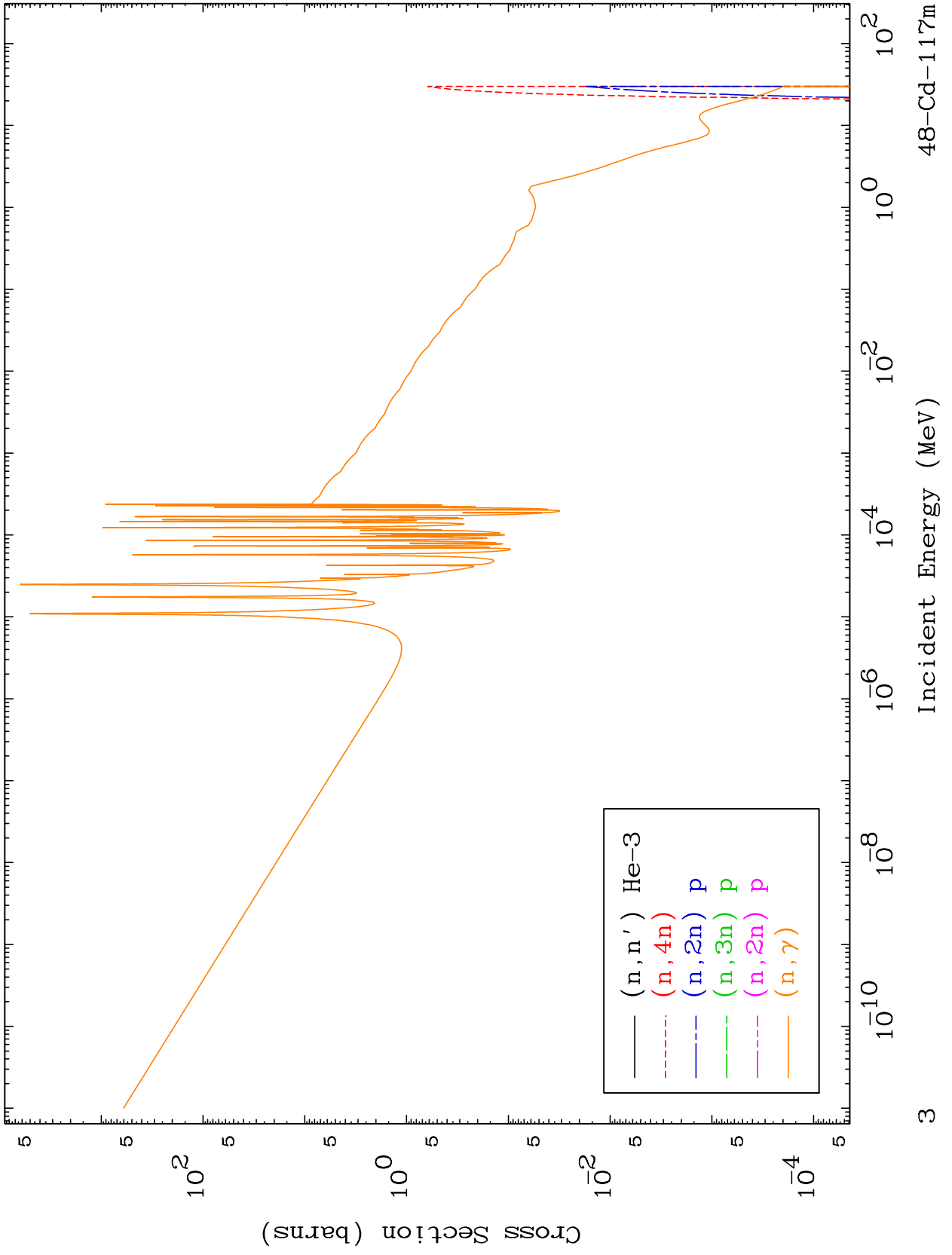
Incident Energy (MeV)

48-Cd-117m

MAT 4859

Neutron Absorption
293 Kelvin Cross Sections

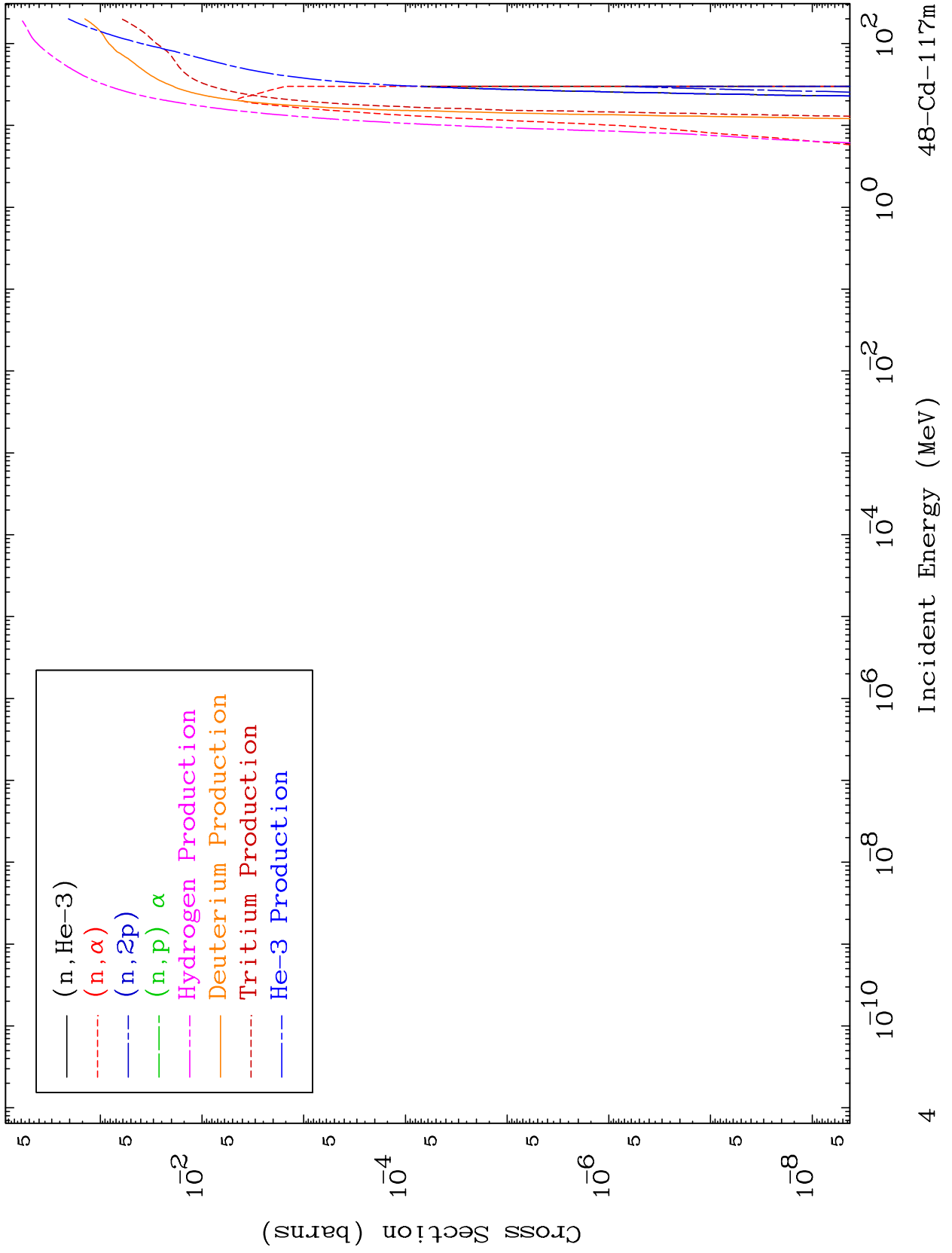
48-Cd-117m



MAT 4859

Neutron Absorption
293 Kelvin Cross Sections

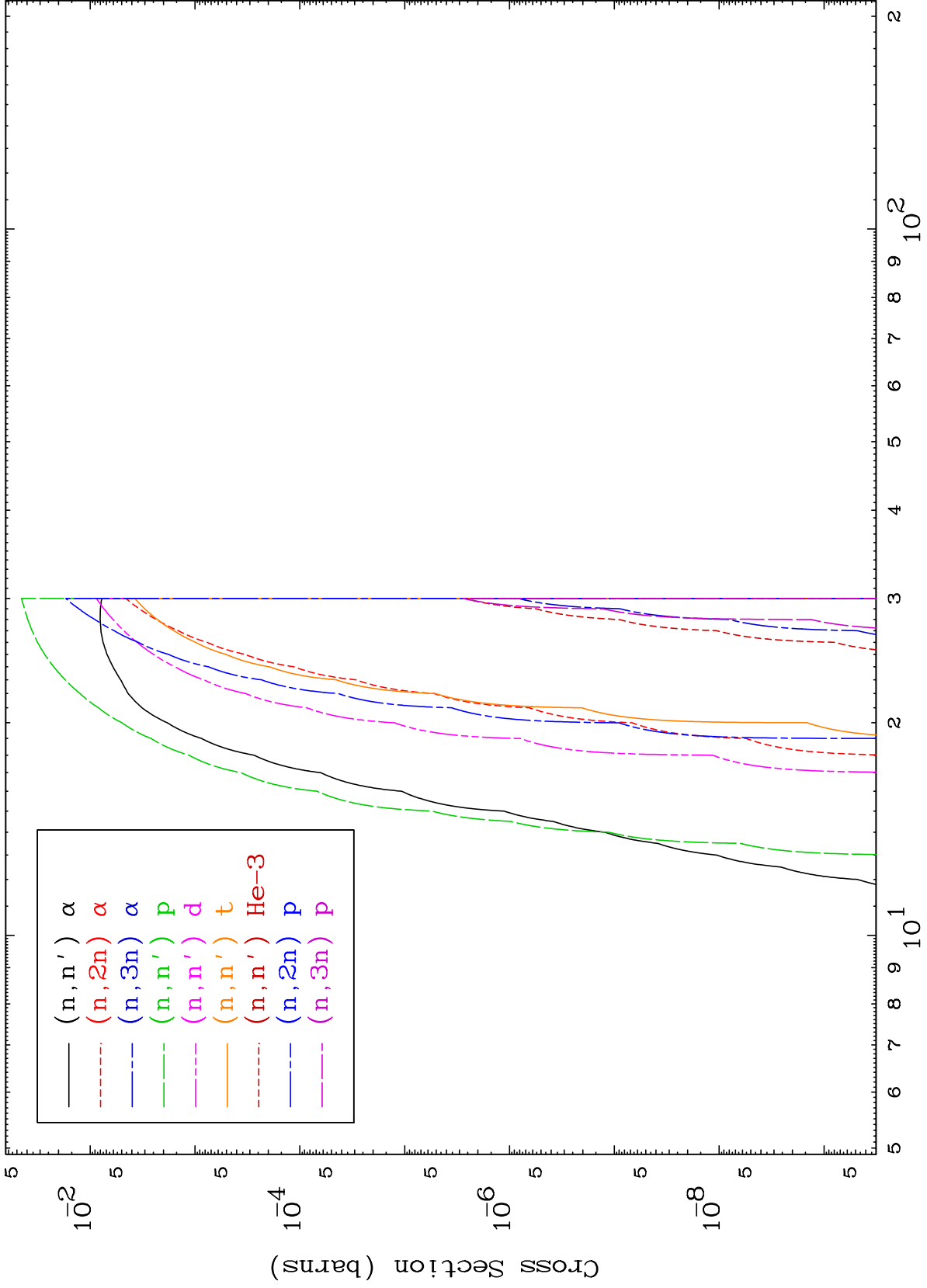
48-Cd-117m



MAT 4859

Charged Particle
293 Kelvin Cross Sections

48-Cd-117m



5

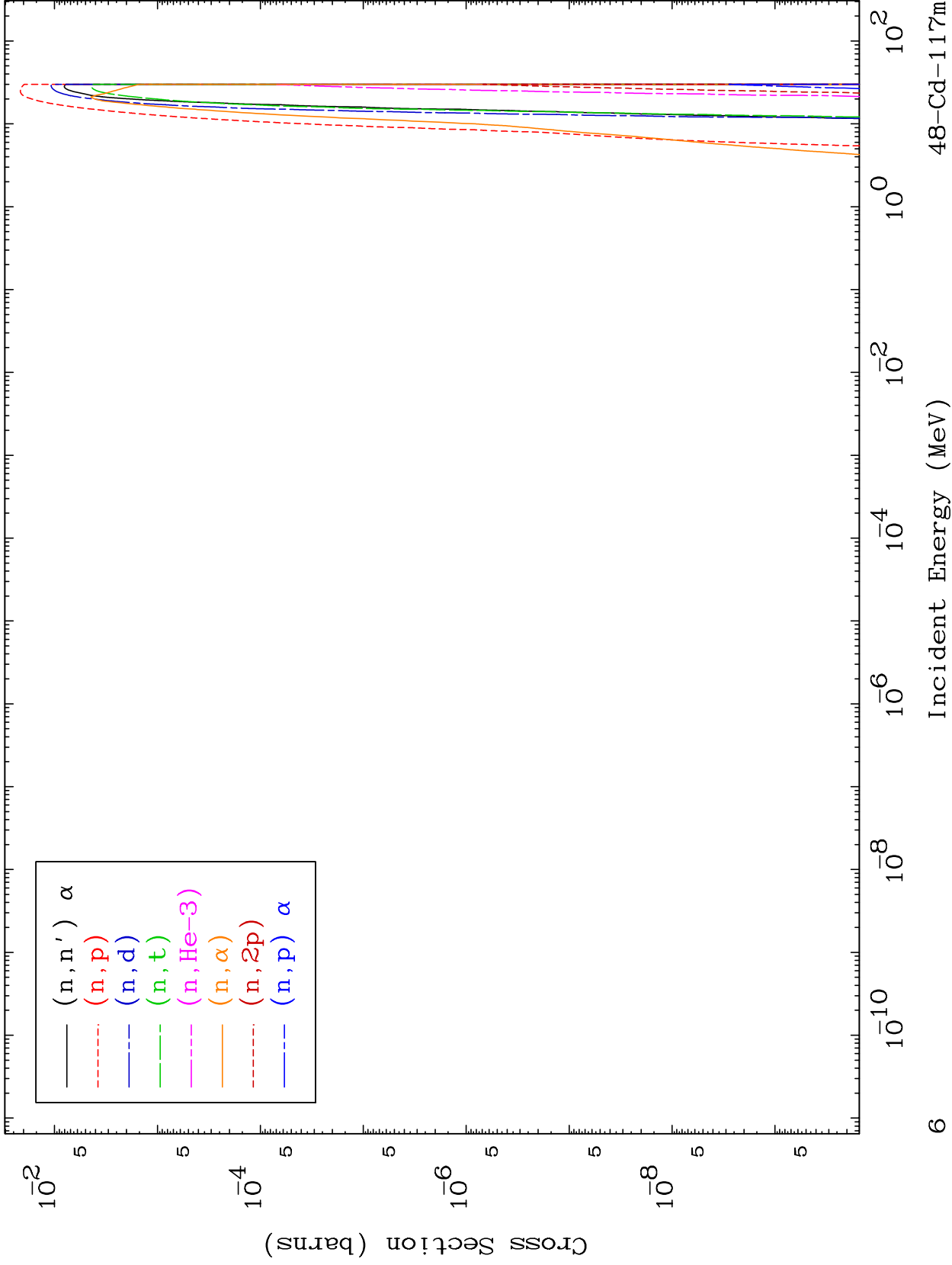
Incident Energy (MeV)

48-Cd-117m

MAT 4859

Charged Particle
293 Kelvin Cross Sections

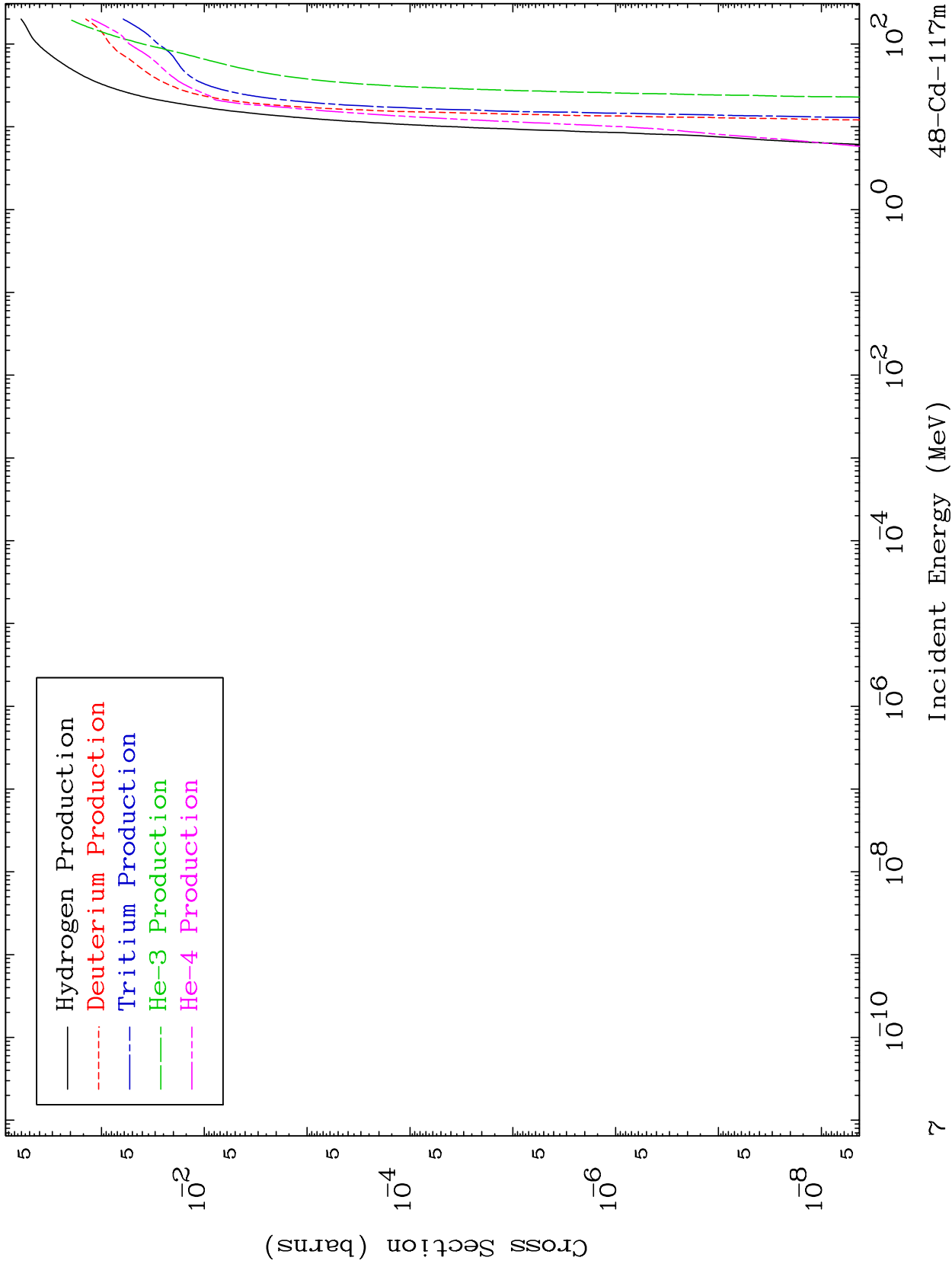
48-Cd-117m



MAT 4859

Particle Production
293 Kelvin Cross Sections

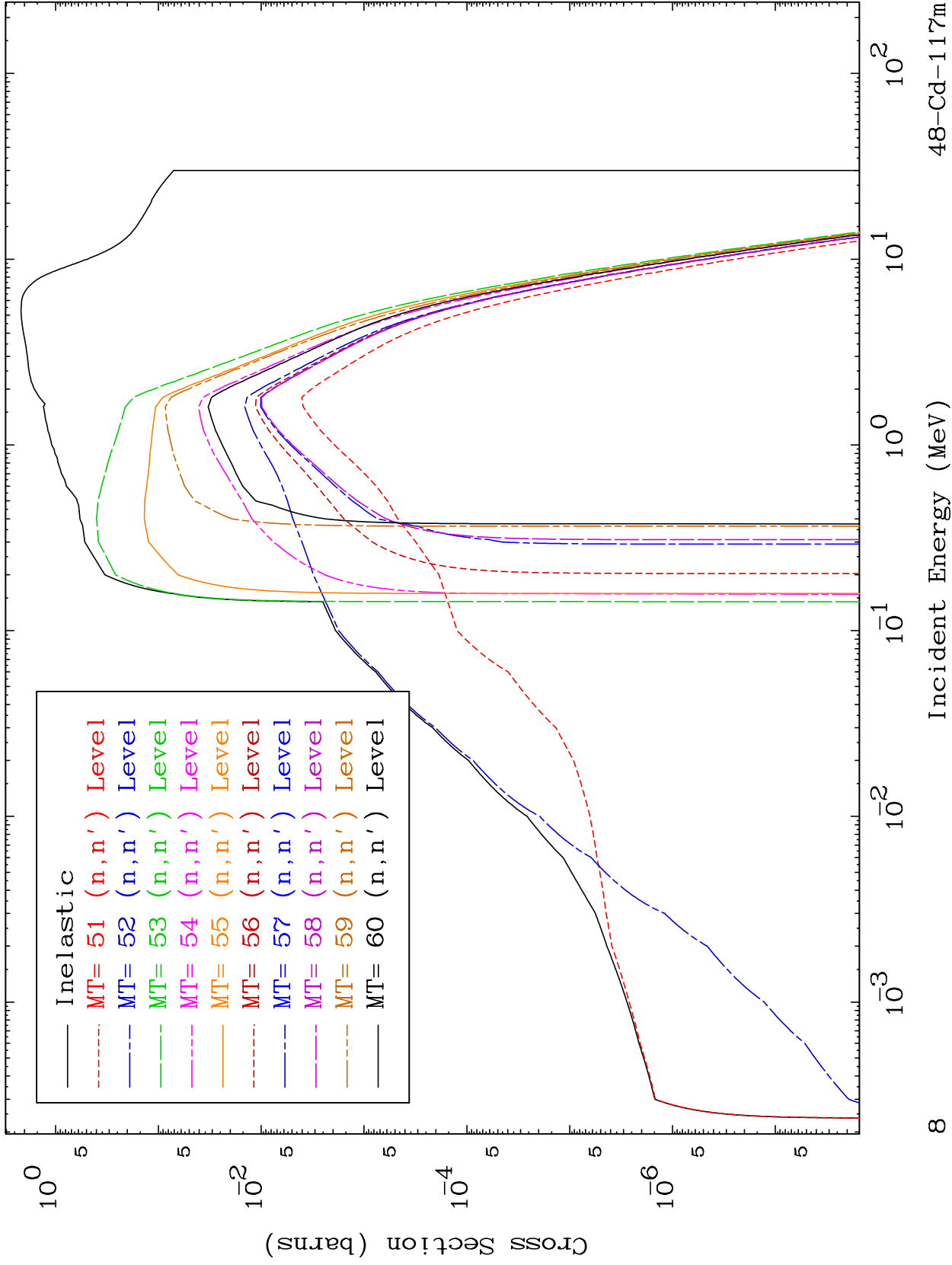
48-Cd-117m



MAT 4859

293 Kelvin Cross Sections

48-Cd-117m

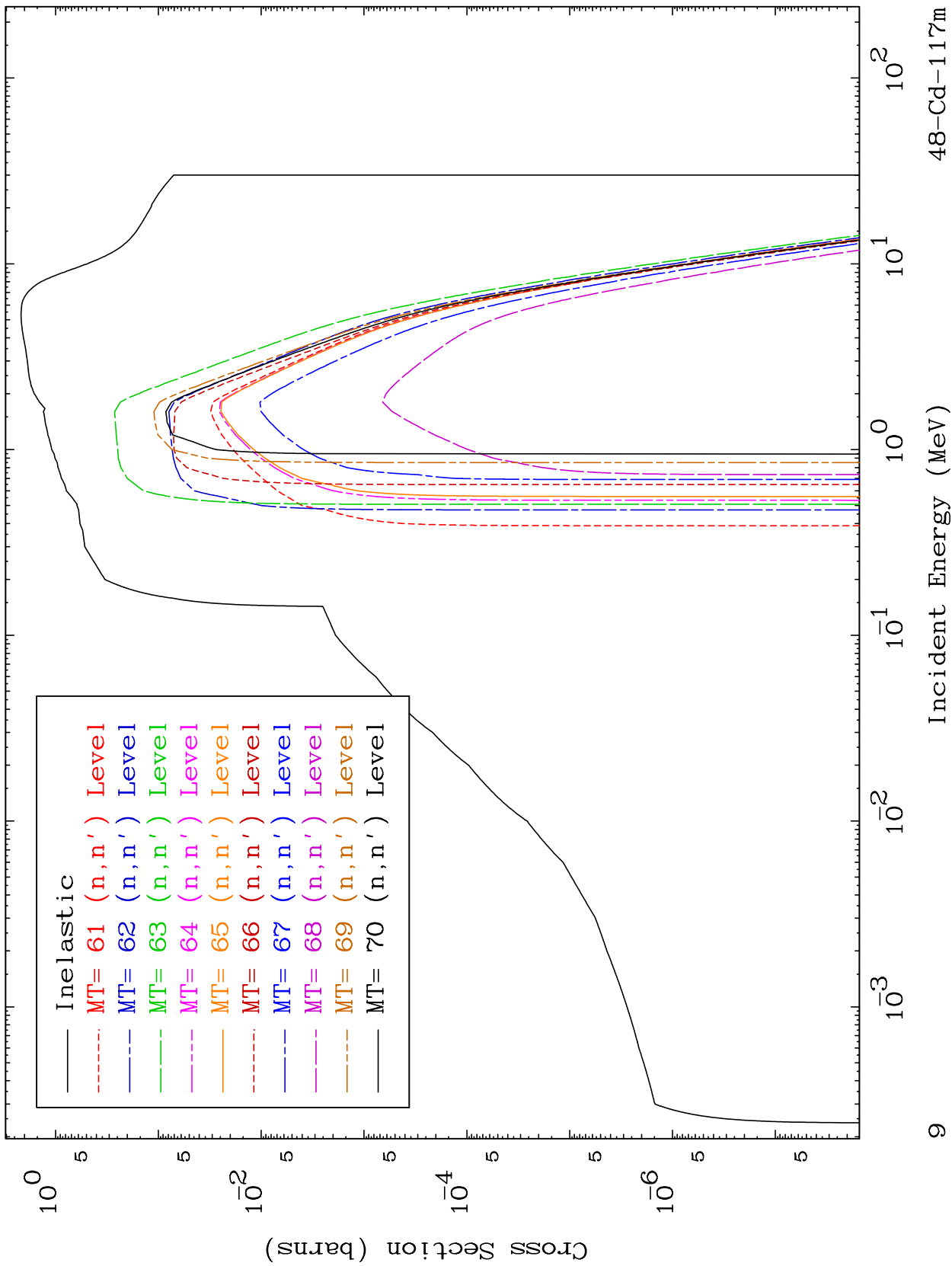


- Inelastic
- - - MT= 51 (n, n') Level
- . - MT= 52 (n, n') Level
- - - MT= 53 (n, n') Level
- . - MT= 54 (n, n') Level
- - - MT= 55 (n, n') Level
- . - MT= 56 (n, n') Level
- - - MT= 57 (n, n') Level
- . - MT= 58 (n, n') Level
- - - MT= 59 (n, n') Level
- - - MT= 60 (n, n') Level

MAT 4859

293 Kelvin Cross Sections
(n,n') Levels

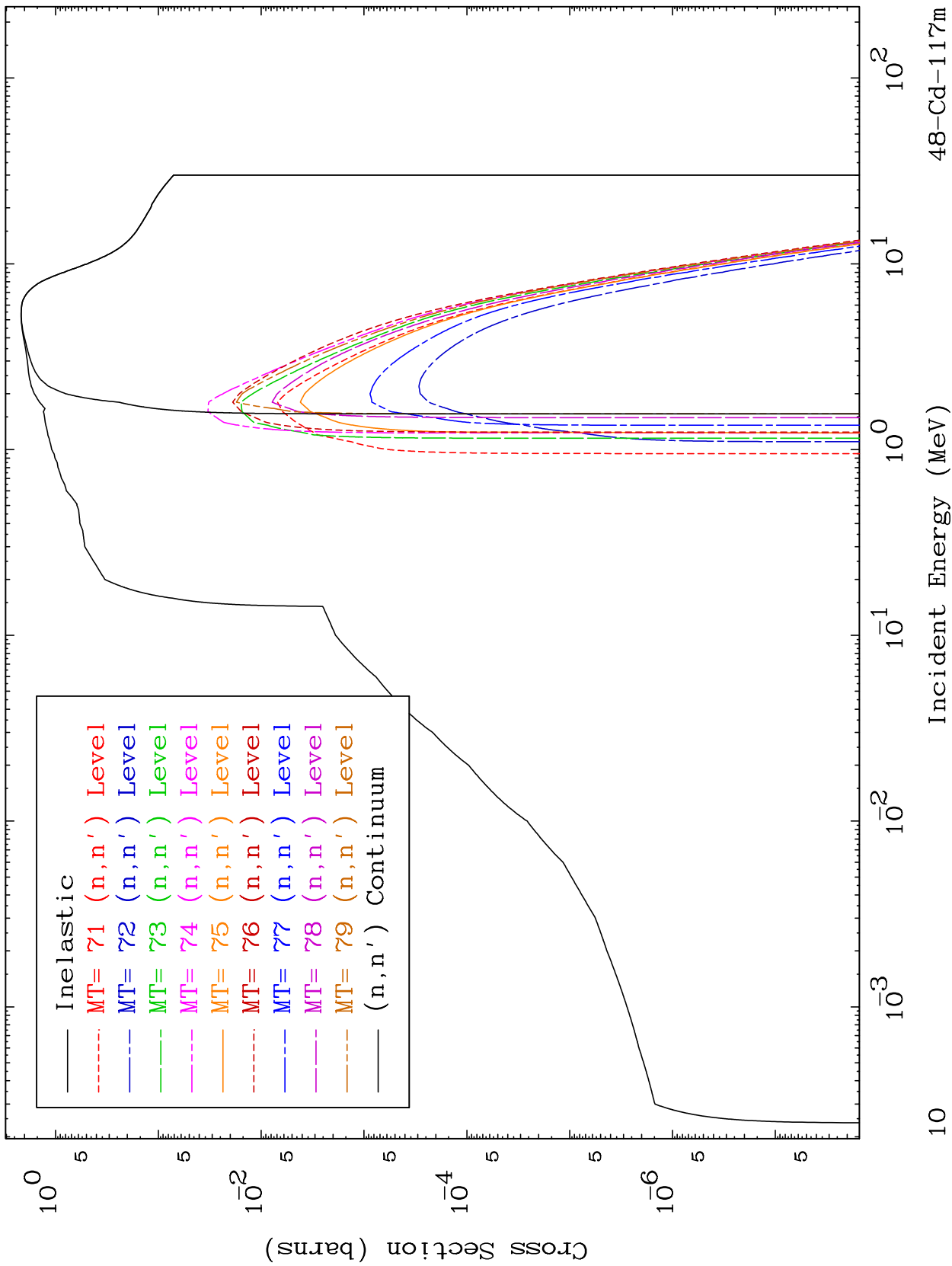
48-Cd-117m



MAT 4859

(n,n') Levels
293 Kelvin Cross Sections

48-Cd-117m



48-Cd-117m

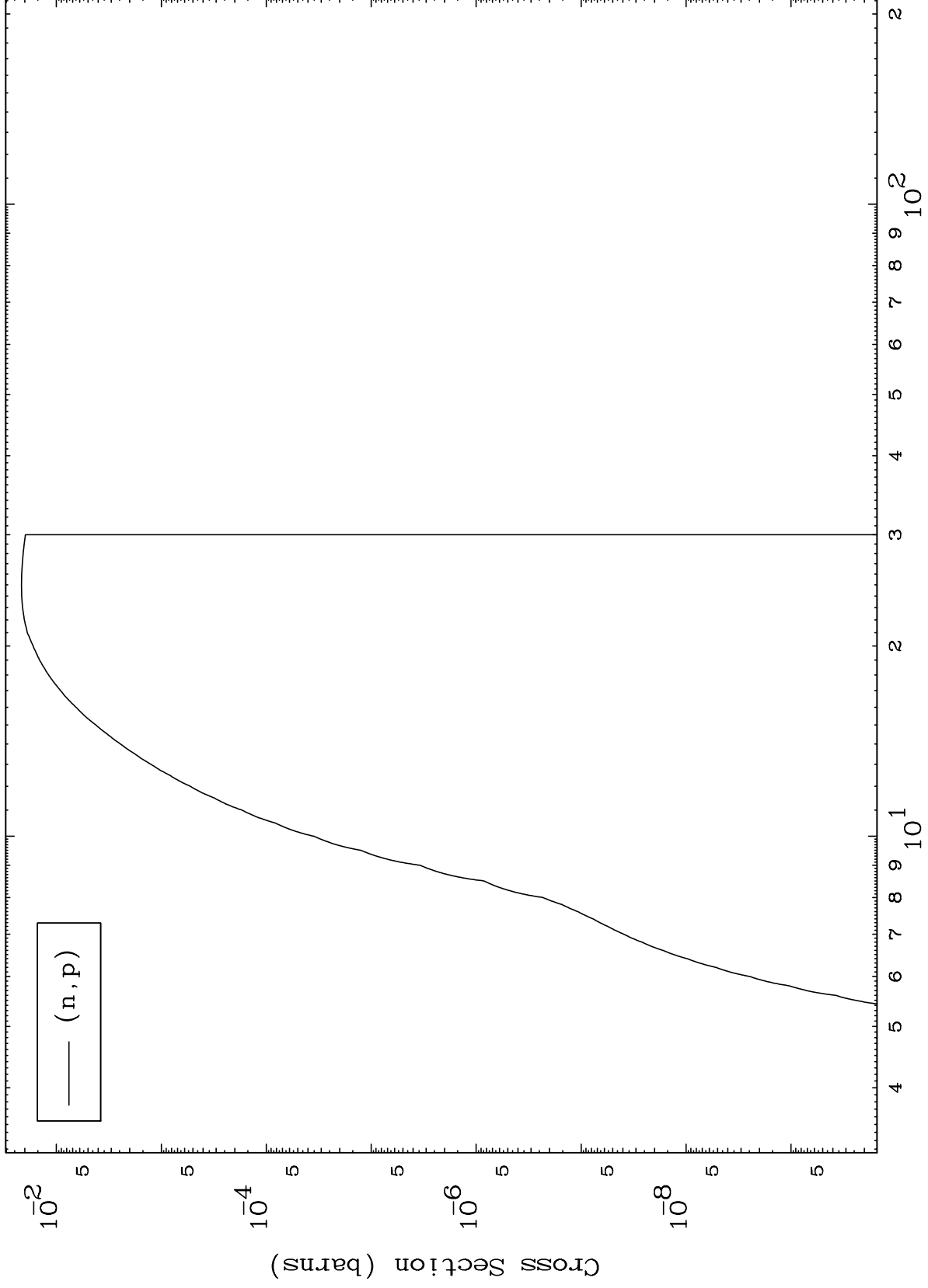
Incident Energy (MeV)

10

MAT 4859

(n,p) Levels
293 Kelvin Cross Sections

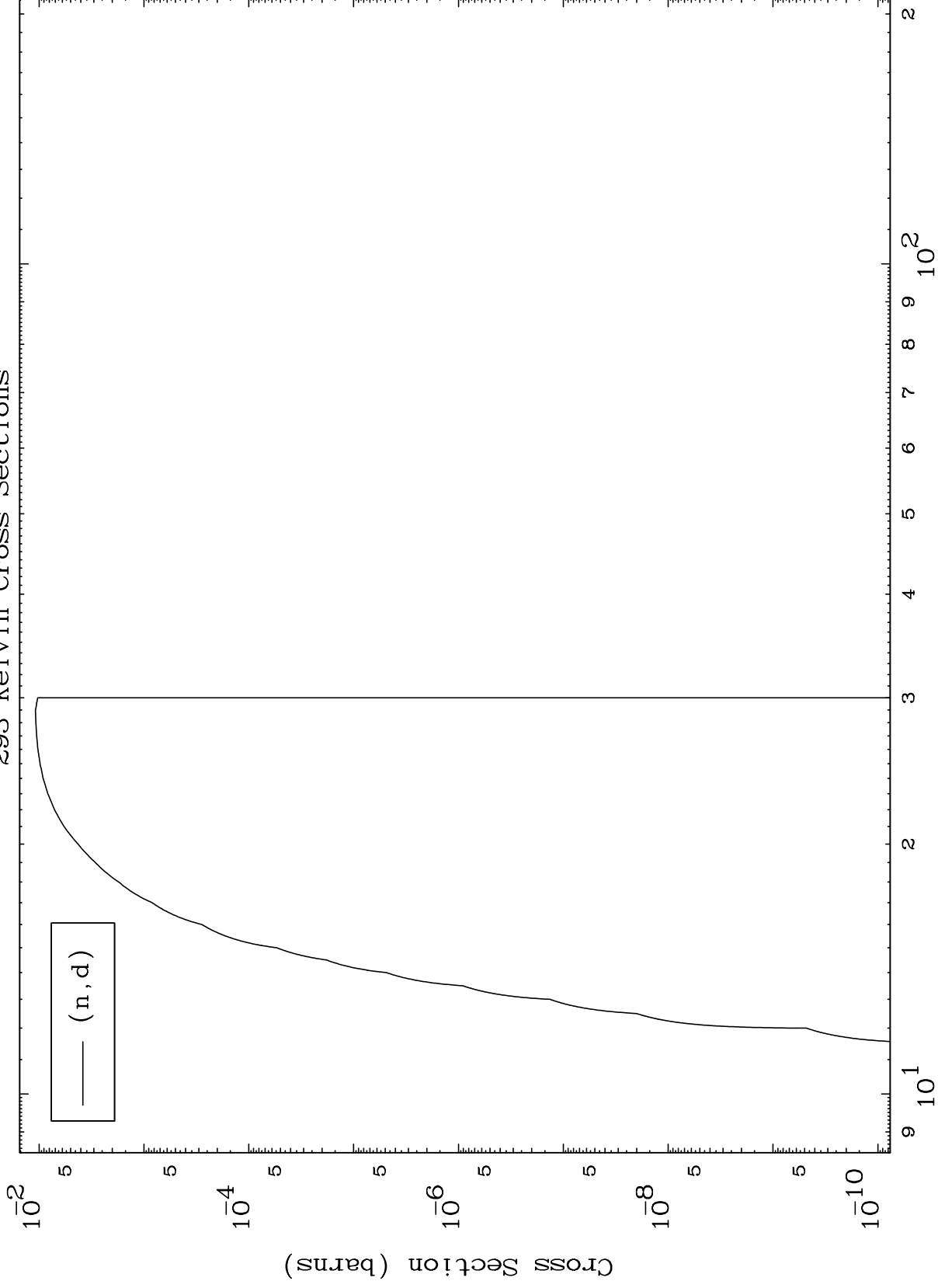
48-Cd-117m



MAT 4859

(n,d) Levels
293 Kelvin Cross Sections

48-Cd-117m



12

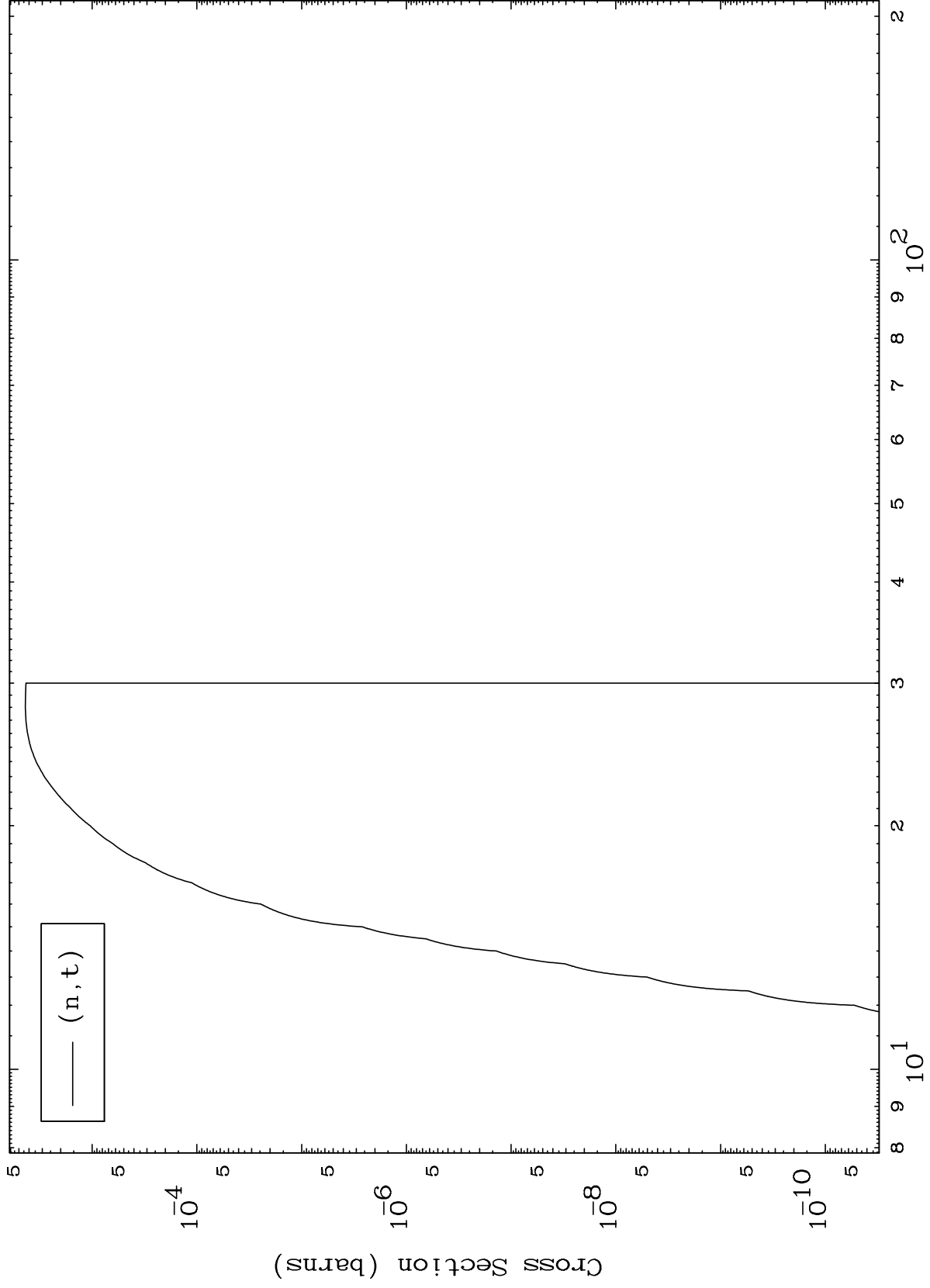
Incident Energy (MeV)

48-Cd-117m

MAT 4859

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-117m



13

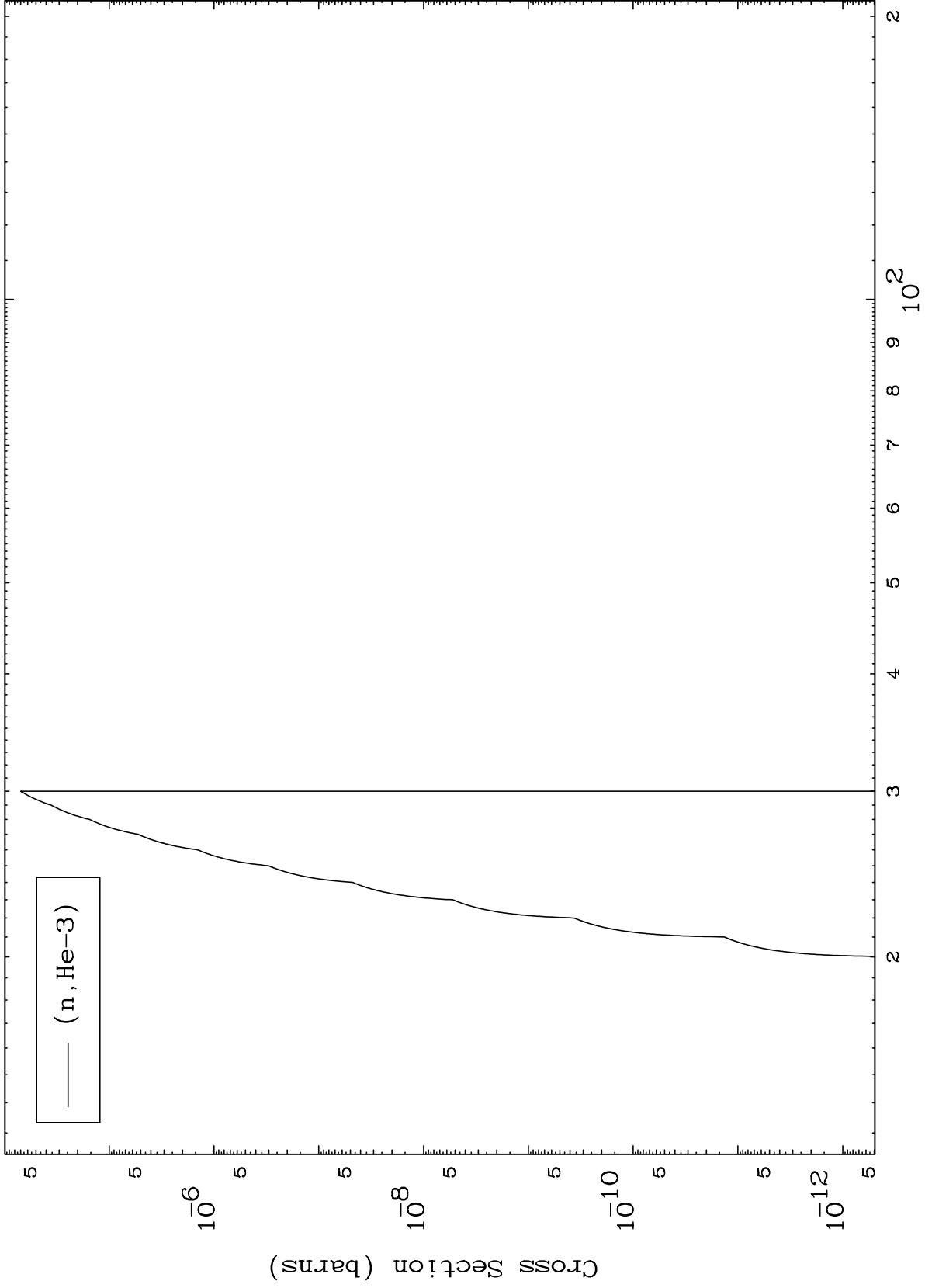
Incident Energy (MeV)

48-Cd-117m

MAT 4859

(n,He3) Levels
293 Kelvin Cross Sections

48-Cd-117m



14

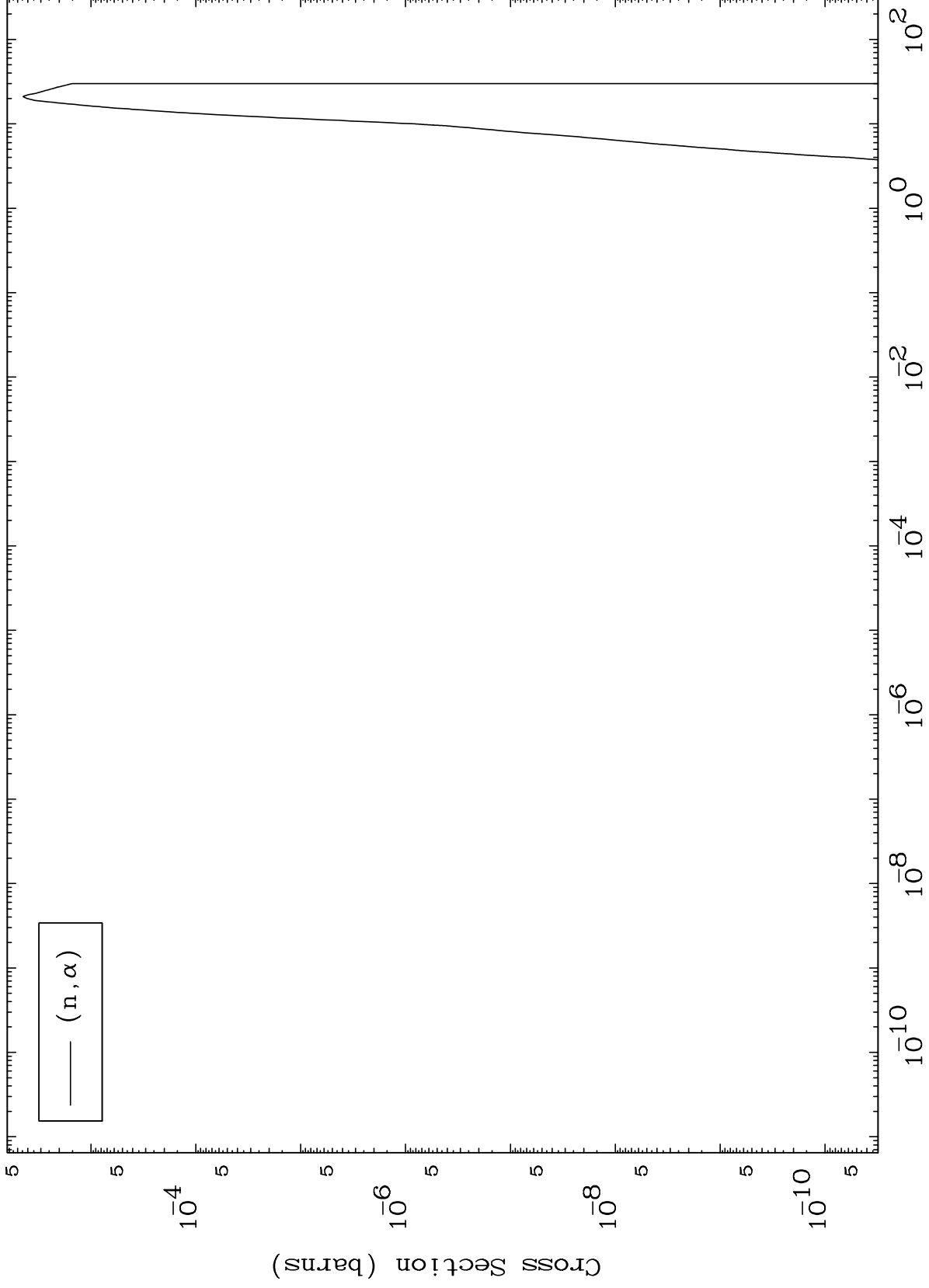
Incident Energy (MeV)

48-Cd-117m

MAT 4859

(n, α) Levels
293 Kelvin Cross Sections

48-Cd-117m



15

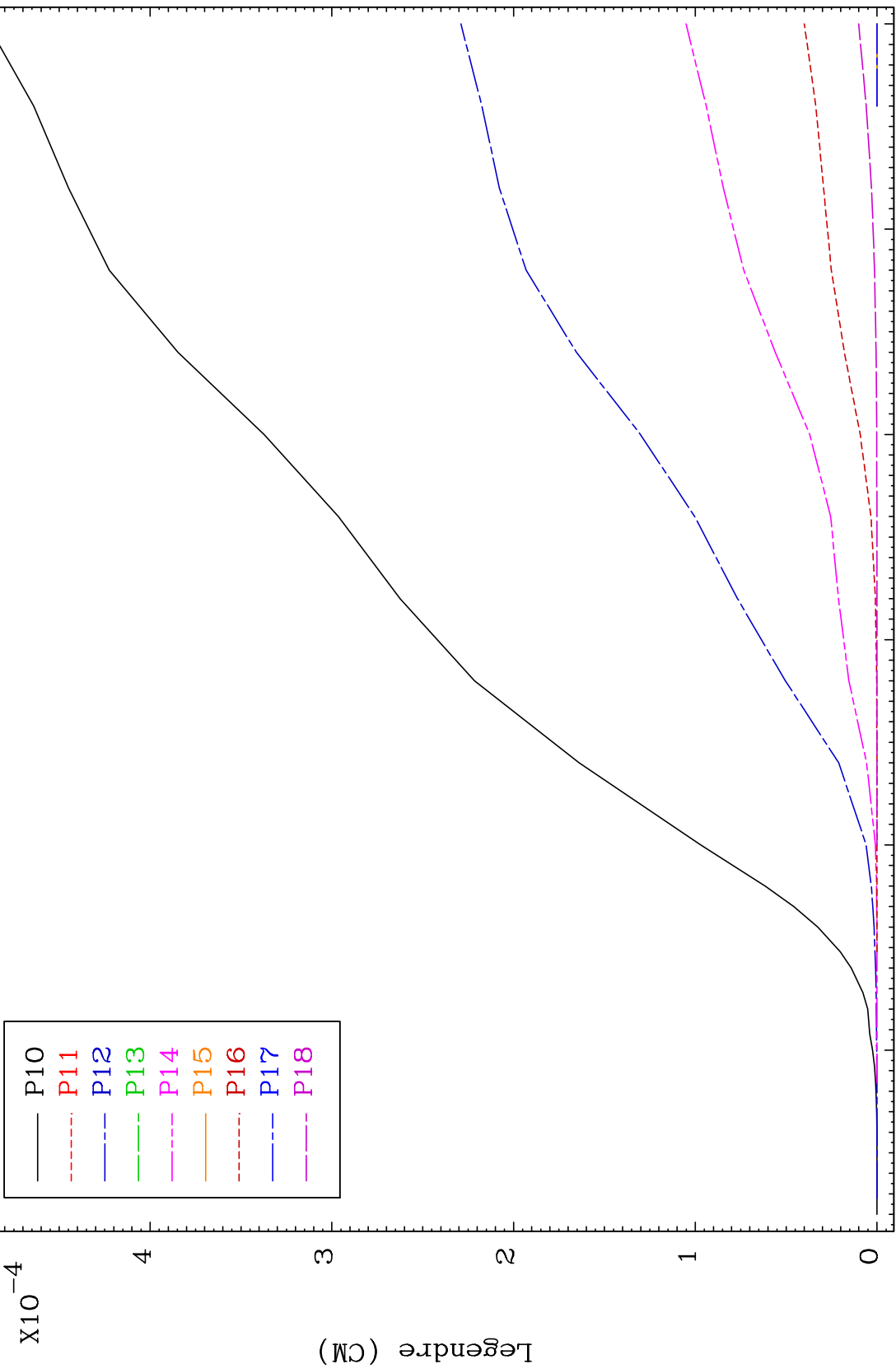
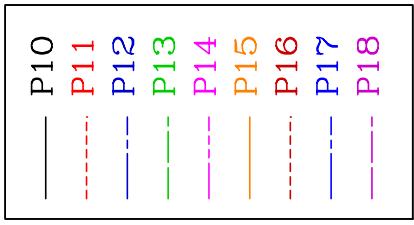
Incident Energy (MeV)

48-Cd-117m

MAT 4859

Elastic Legendre Coefficients

48-Cd-117m



17

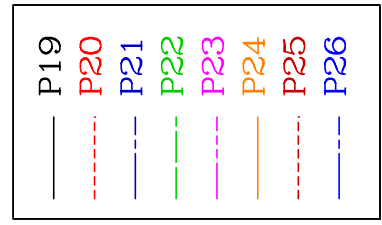
Incident Energy (MeV)

48-Cd-117m

MAT 4859

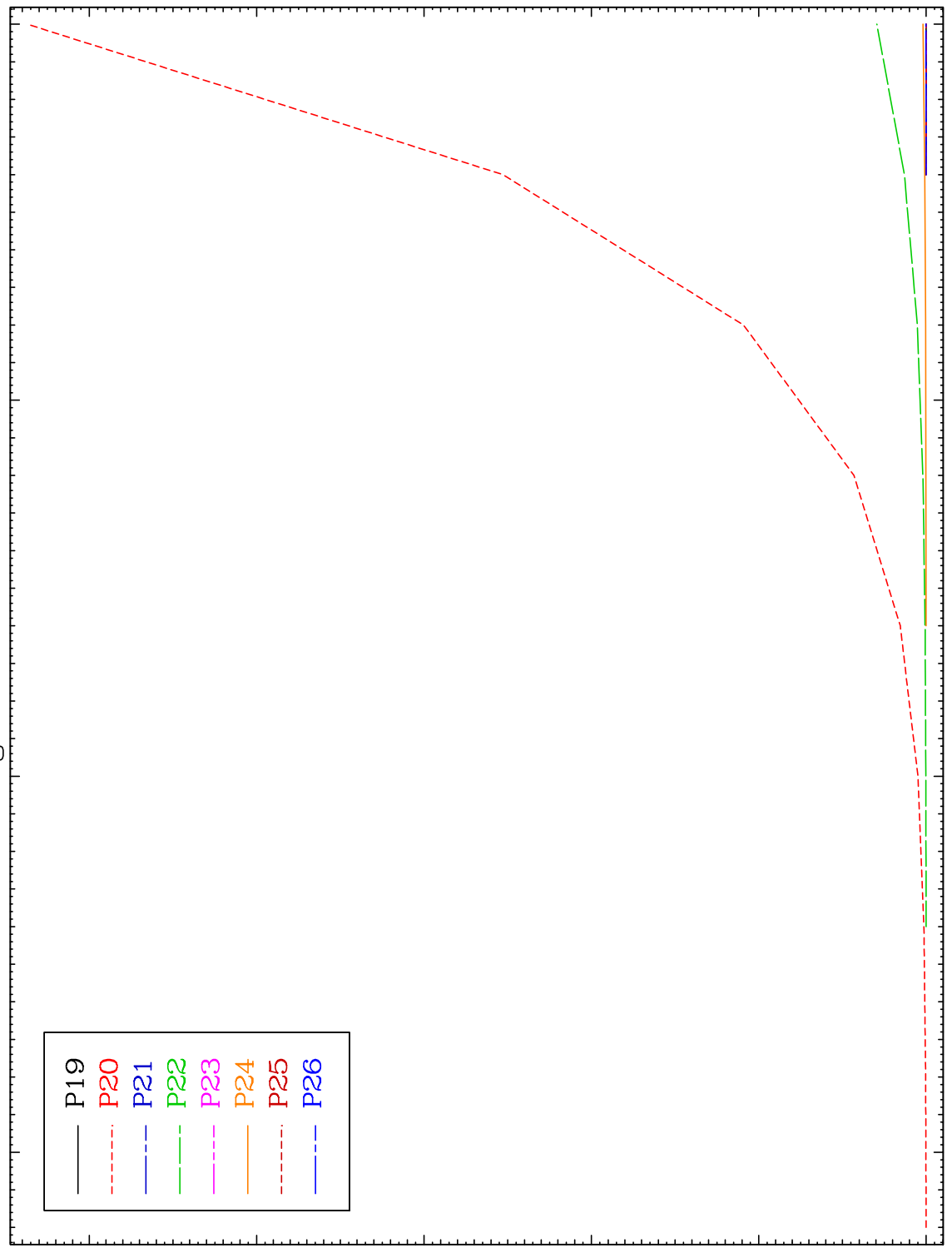
Elastic Legendre Coefficients

48-Cd-117m



$\times 10^{-7}$

Legendre (CM)



18

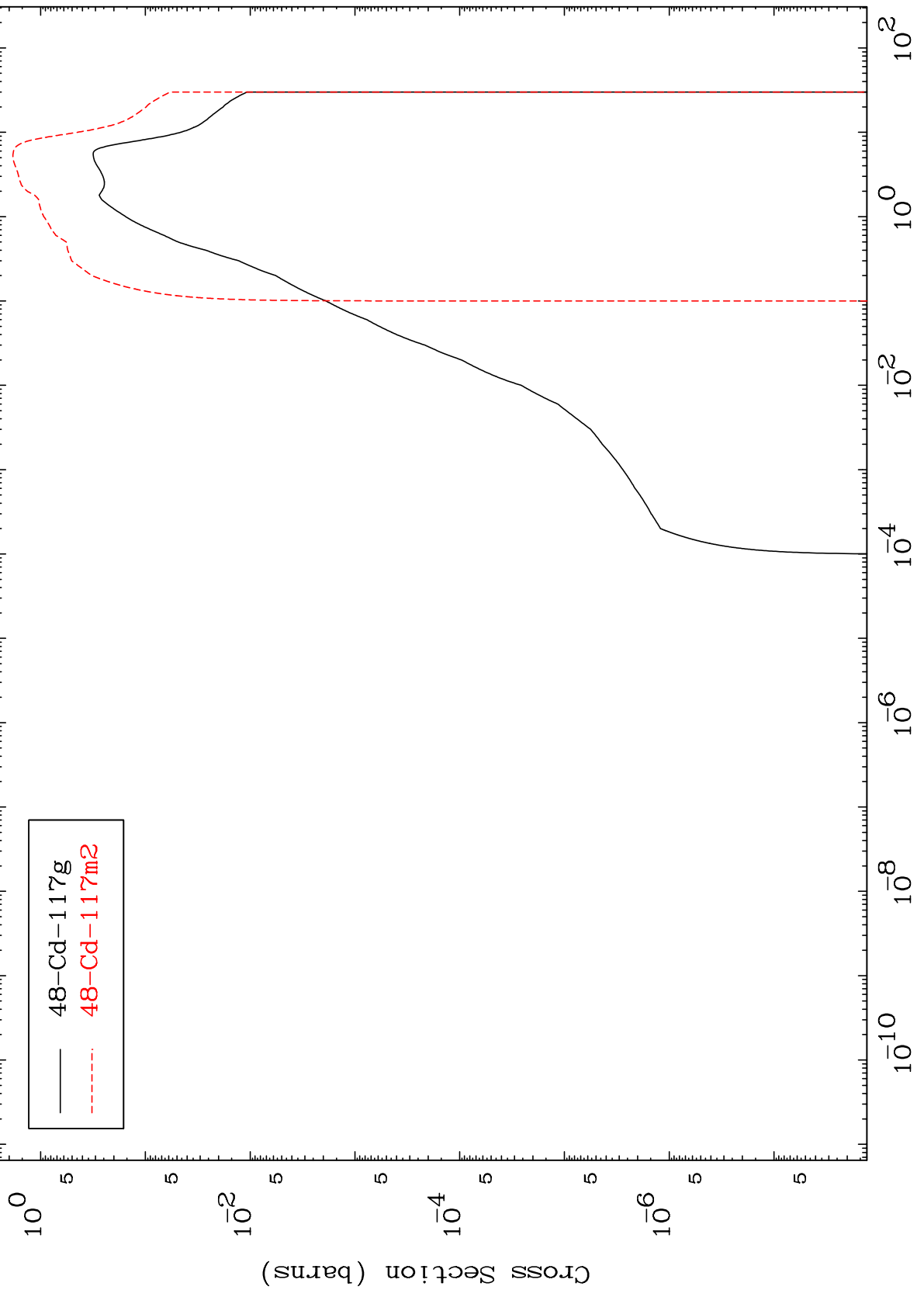
Incident Energy (MeV)

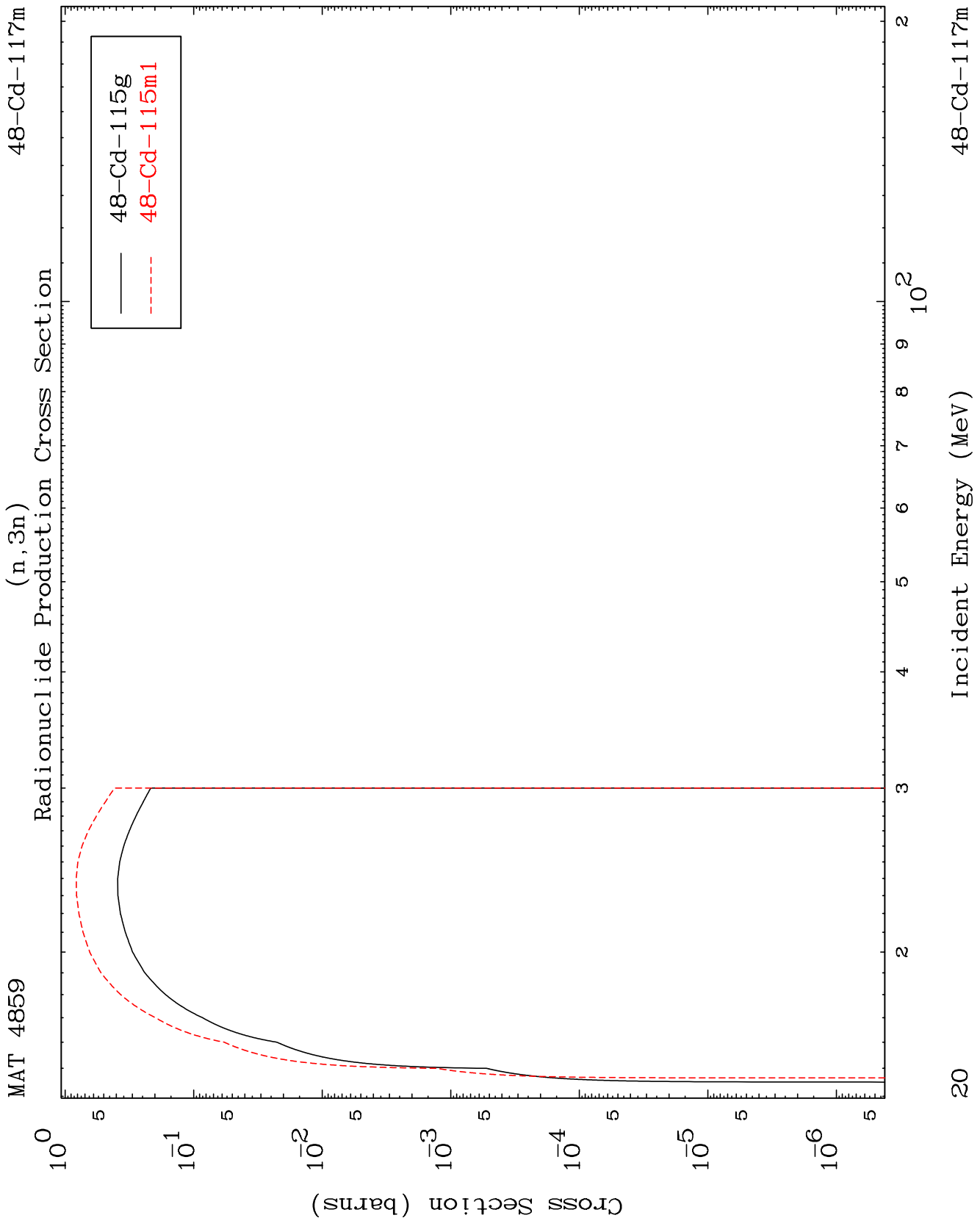
48-Cd-117m

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48-Cd-117m

Inelastic
Radionuclide Production Cross Section



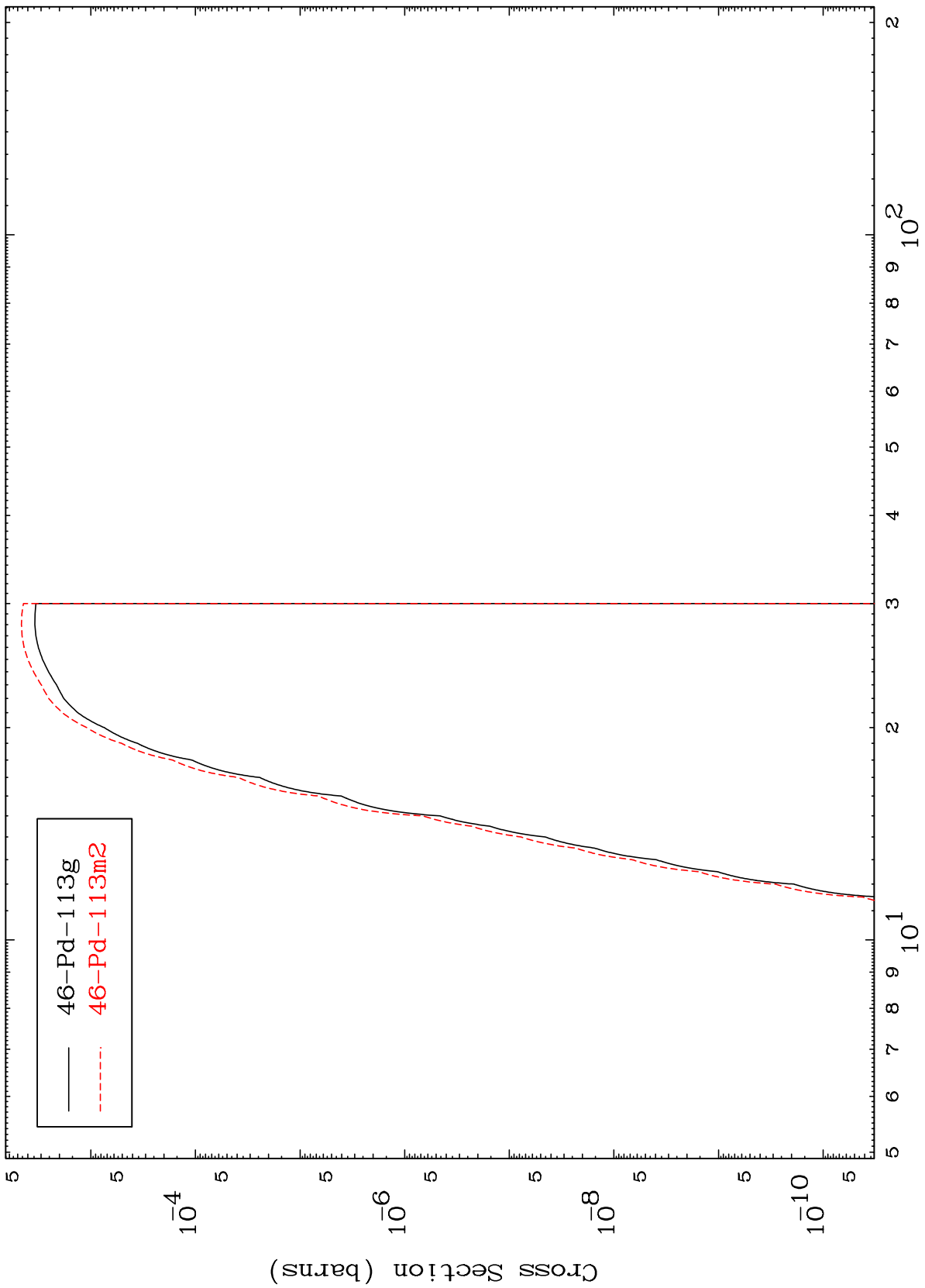


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(n,n') α

48-Cd-117m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

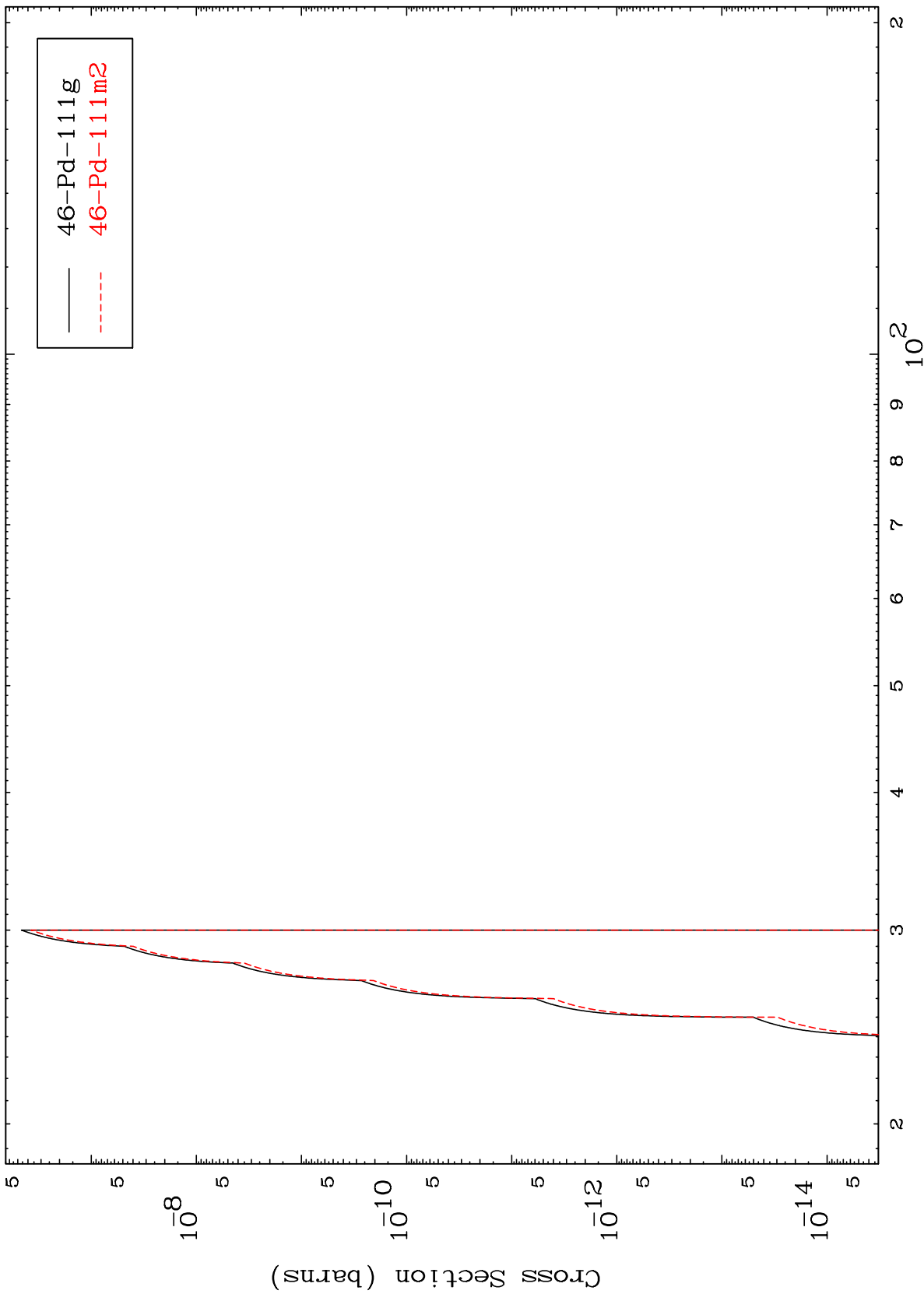
48-Cd-117m

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(n,3n) α

48-Cd-117m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

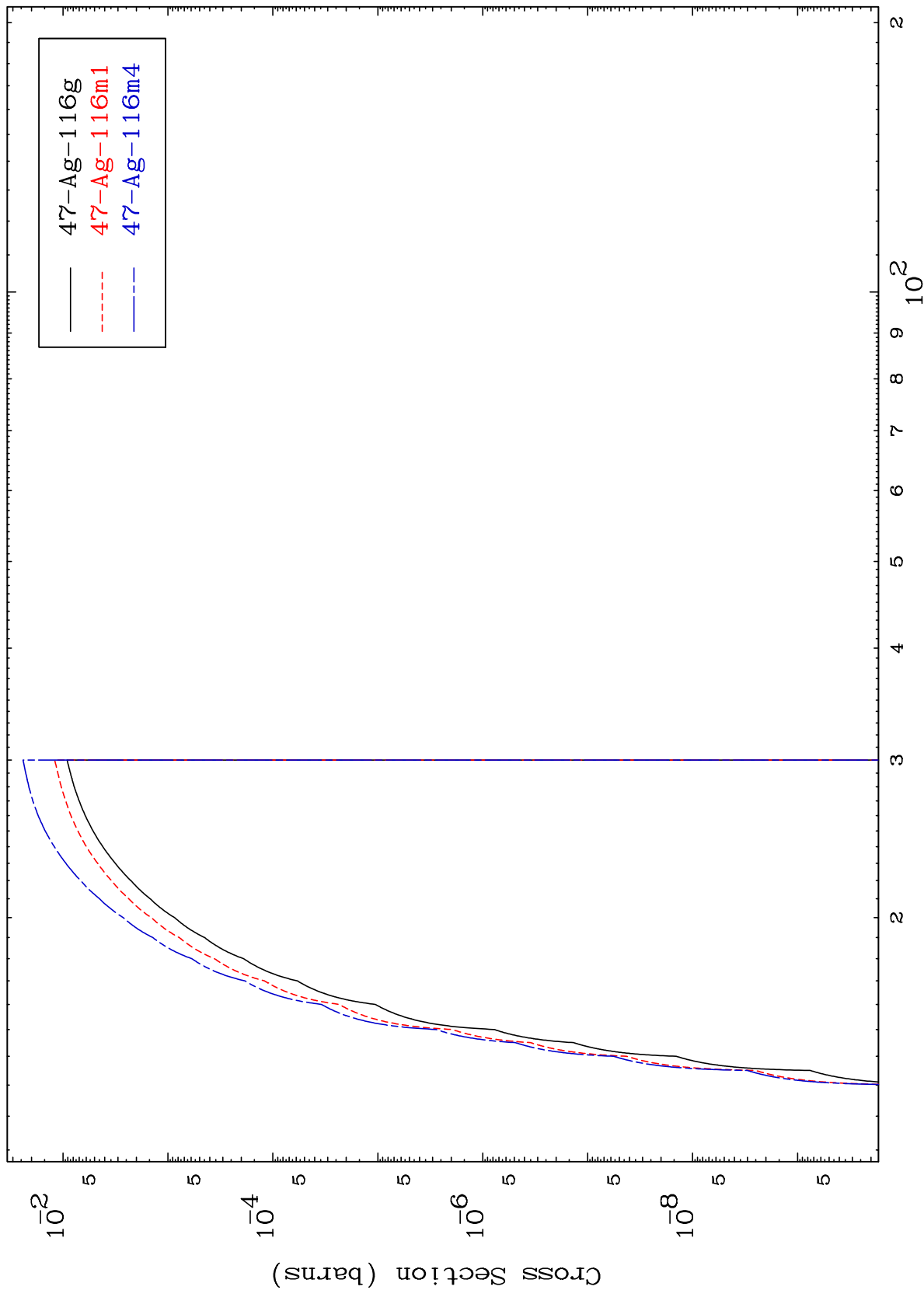
48-Cd-117m

MAT 4859

(n,n') p

48-Cd-117m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

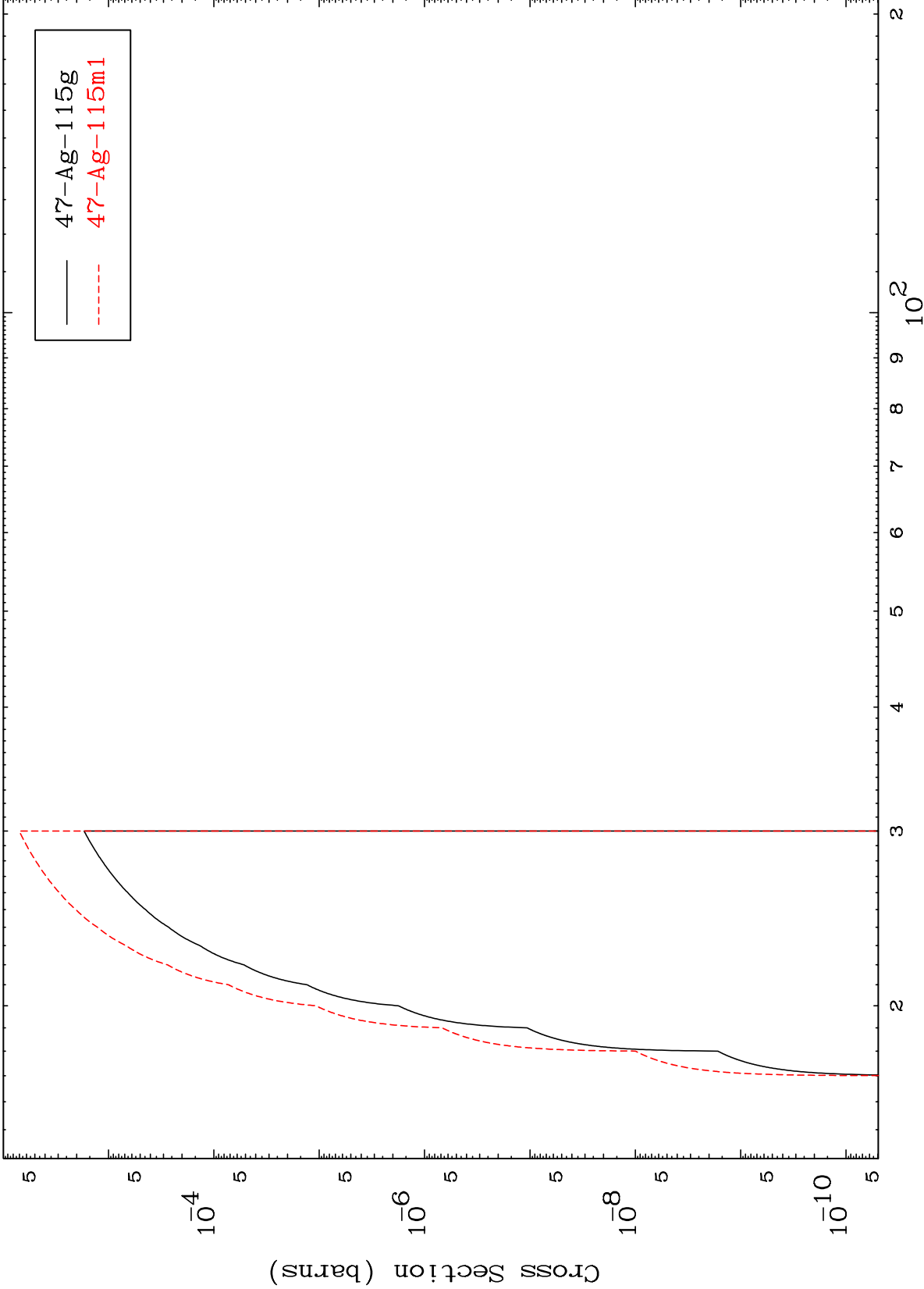
48-Cd-117m

MAT 4859

(n,n') d

48-Cd-117m

Radionuclide Production Cross Section



24

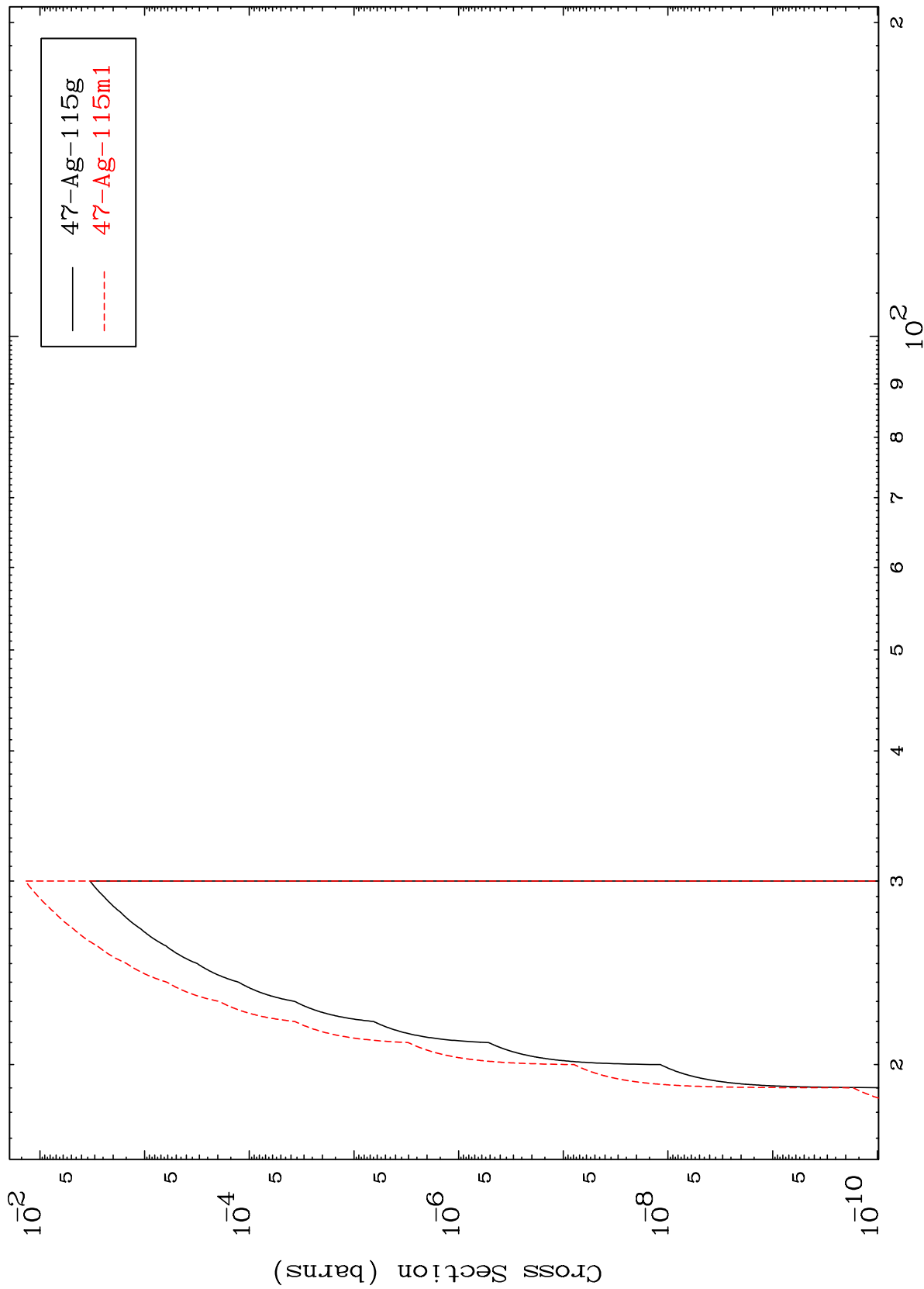
Incident Energy (MeV)

48-Cd-117m

MAT 4859

48-Cd-117m

(n,2n) p
Radionuclide Production Cross Section



25

Incident Energy (MeV)

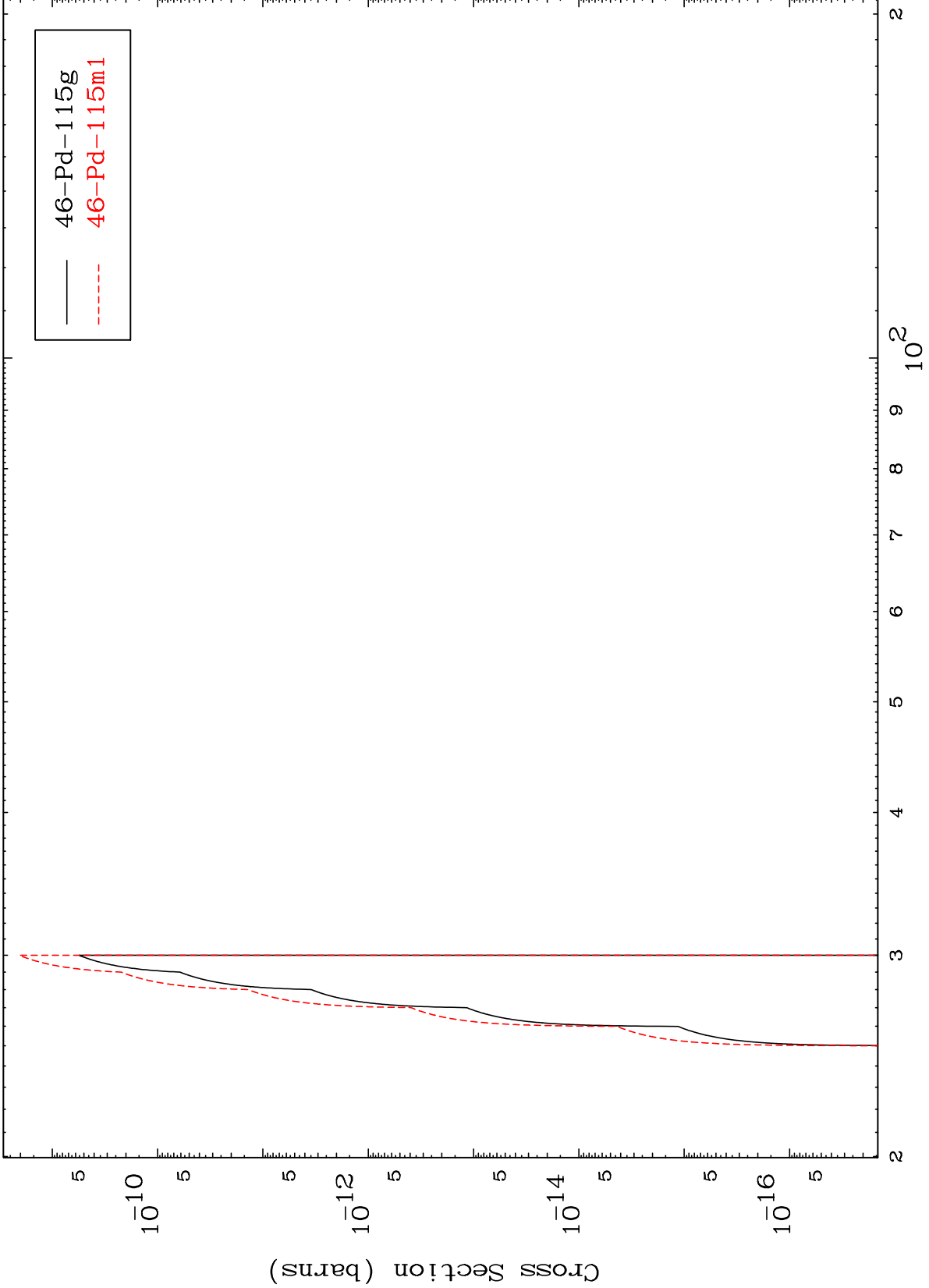
48-Cd-117m

MAT 4859

(n,2n) p

48-Cd-117m

Radionuclide Production Cross Section



26

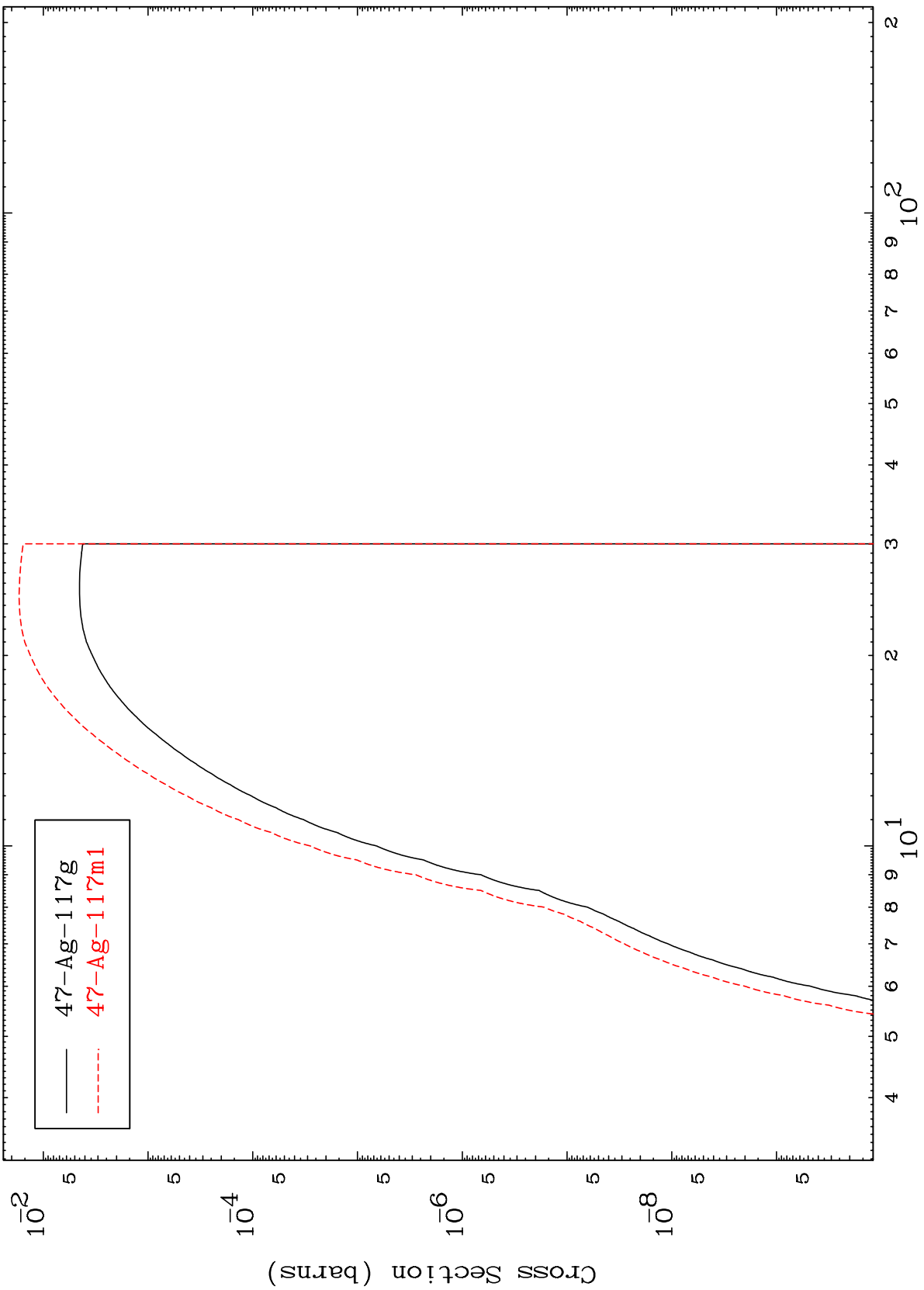
Incident Energy (MeV)

48-Cd-117m

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48-Cd-117m

(n,p)
Radionuclide Production Cross Section



27

48-Cd-117m

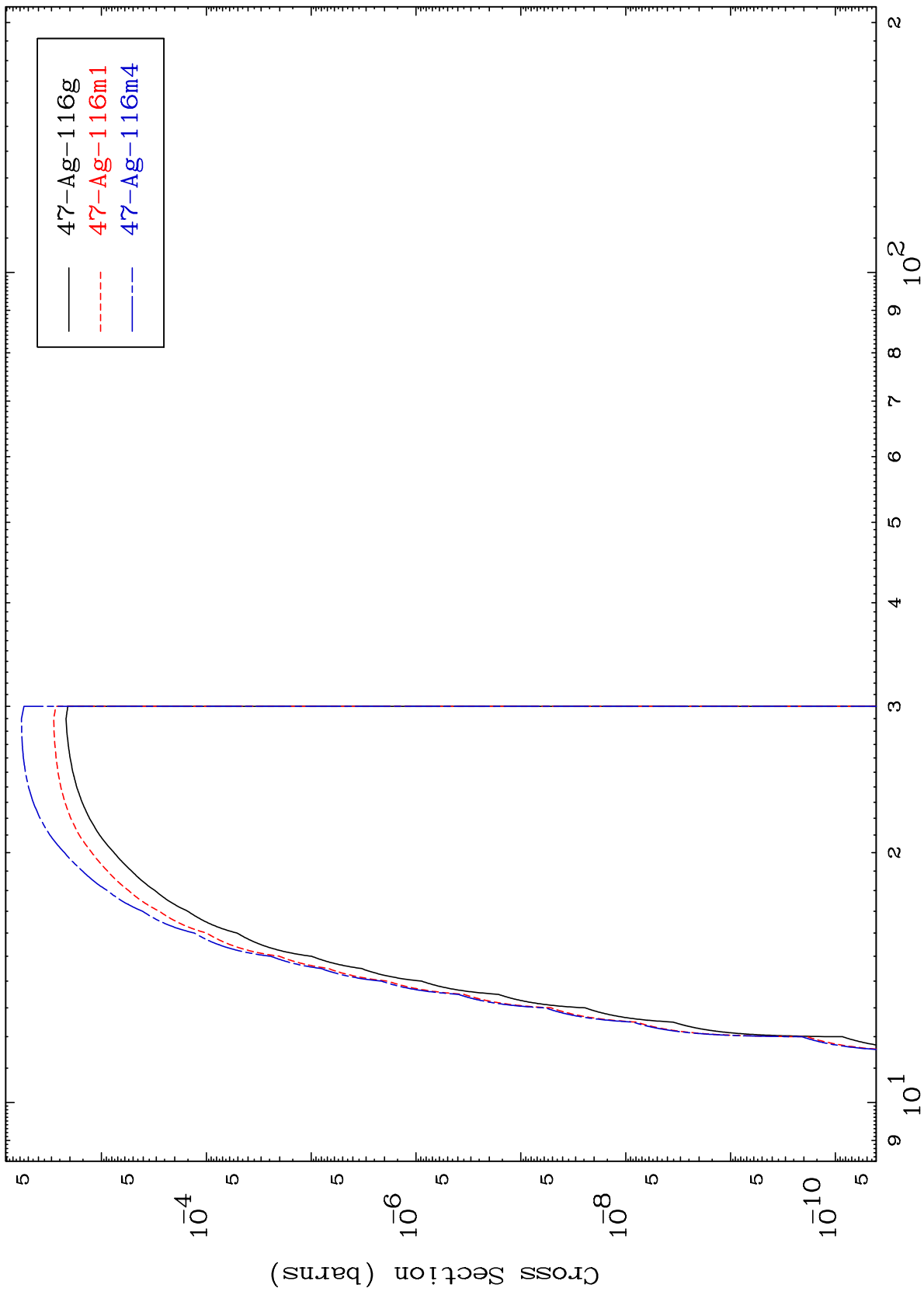
Incident Energy (MeV)

MAT 4859

(n,d)

48-Cd-117m

Radionuclide Production Cross Section



28

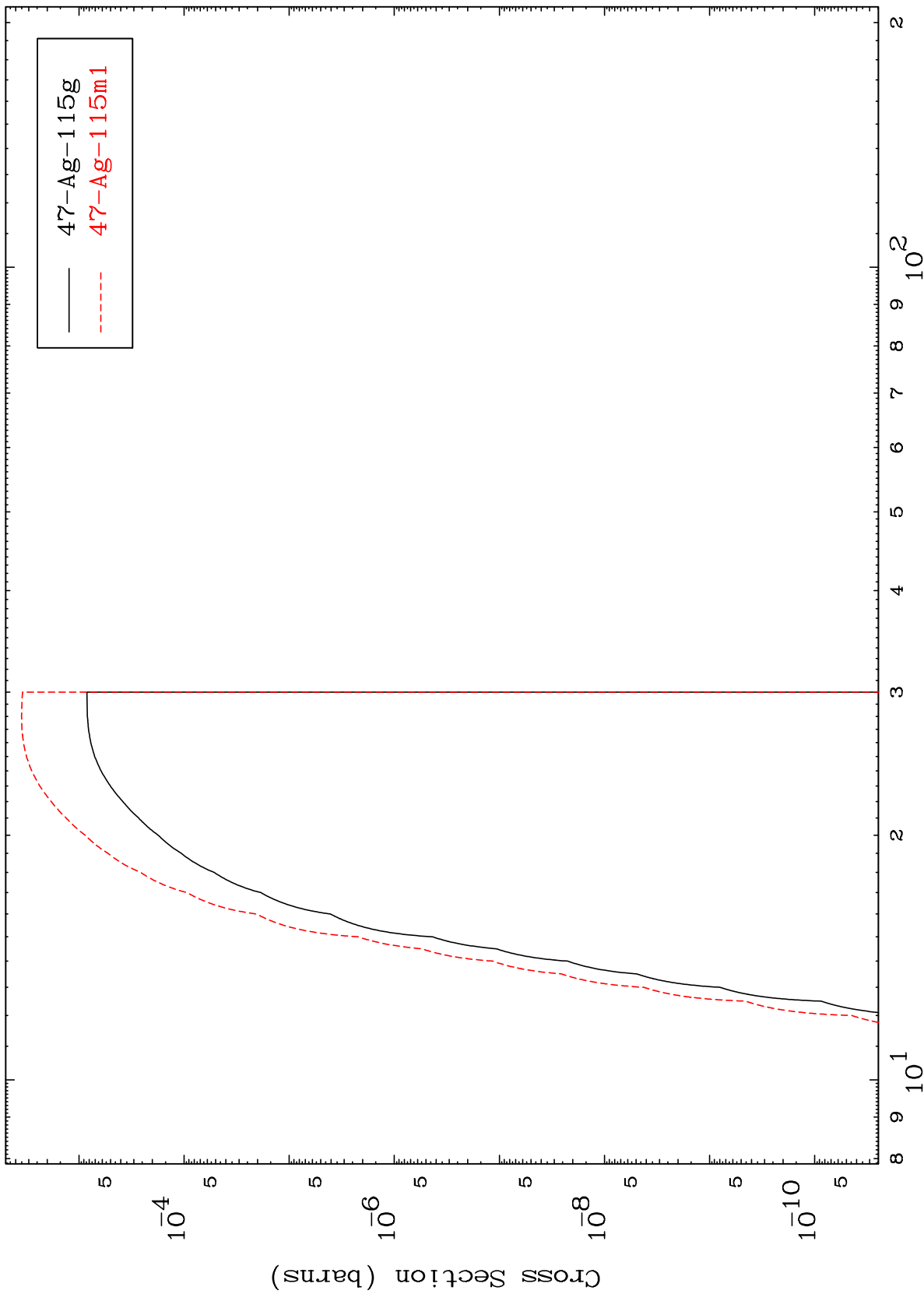
Incident Energy (MeV)

48-Cd-117m

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48-Cd-117m

(n,t)
Radionuclide Production Cross Section



29

Incident Energy (MeV)

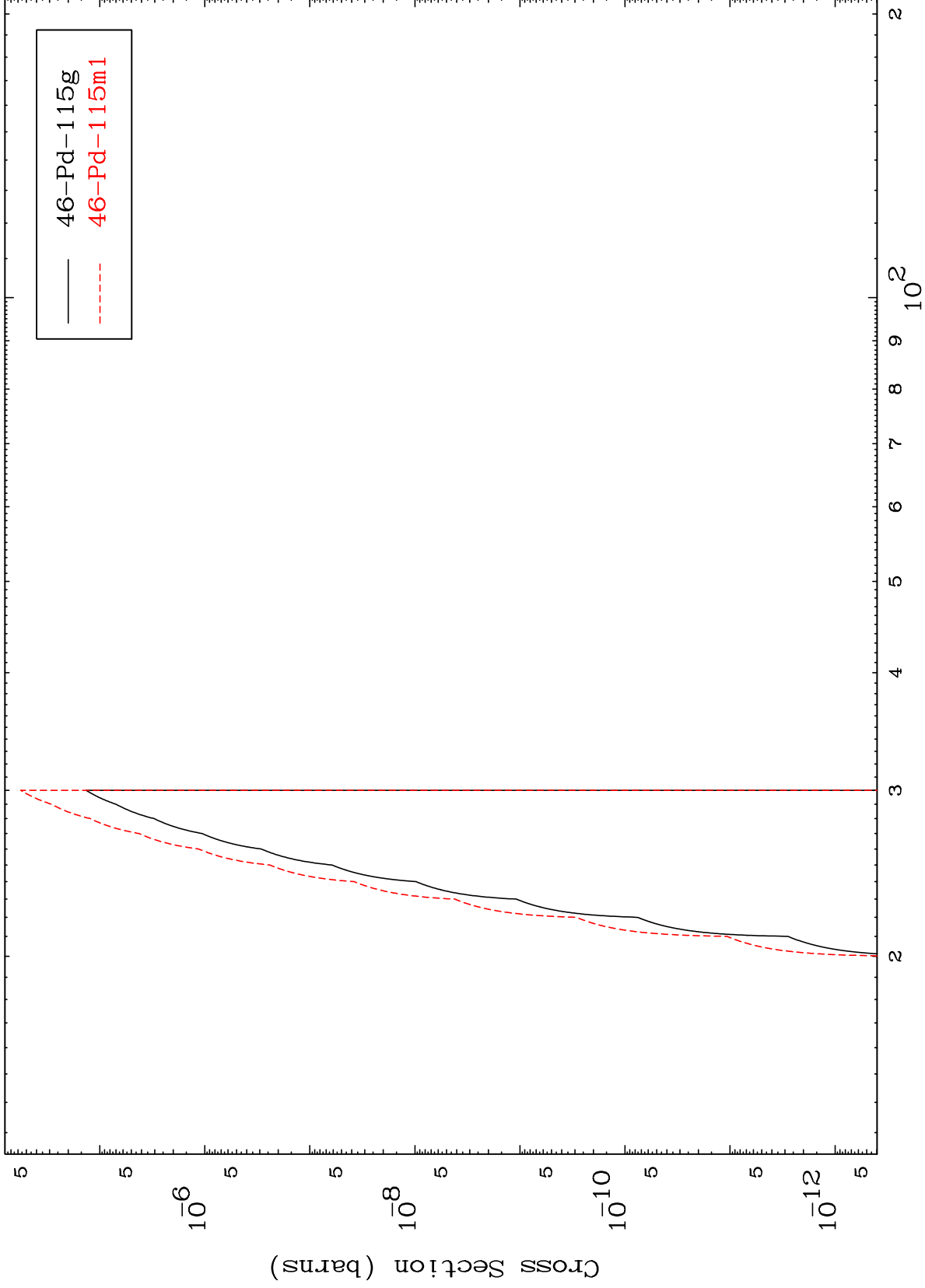
48-Cd-117m

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(n,He-3)

48-Cd-117m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

48-Cd-117m