

Program EVALPLOT
(Version 2018-1)

by

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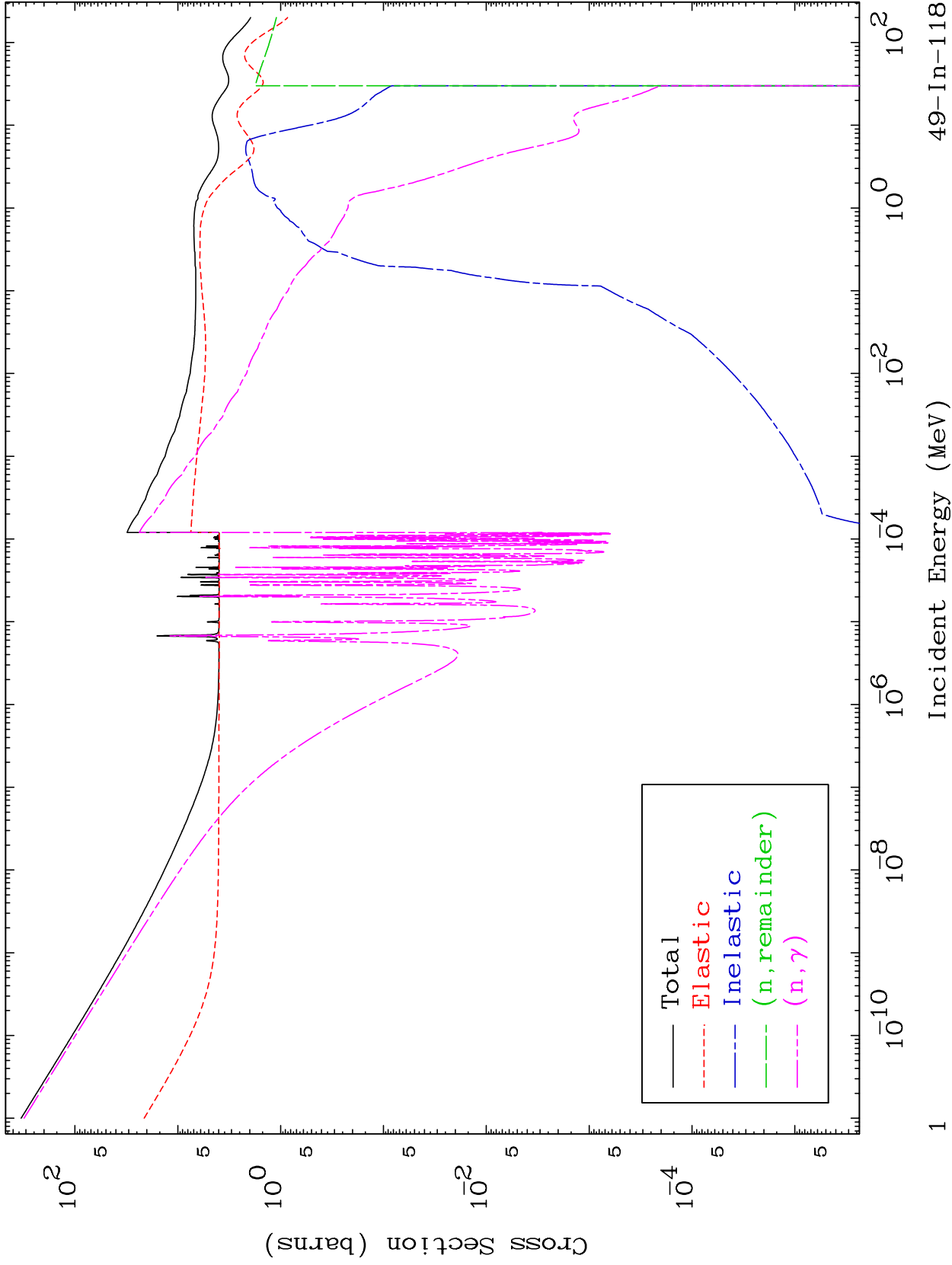
Press Mouse Button to Start

MAT 4941

Major

293 Kelvin Cross Sections

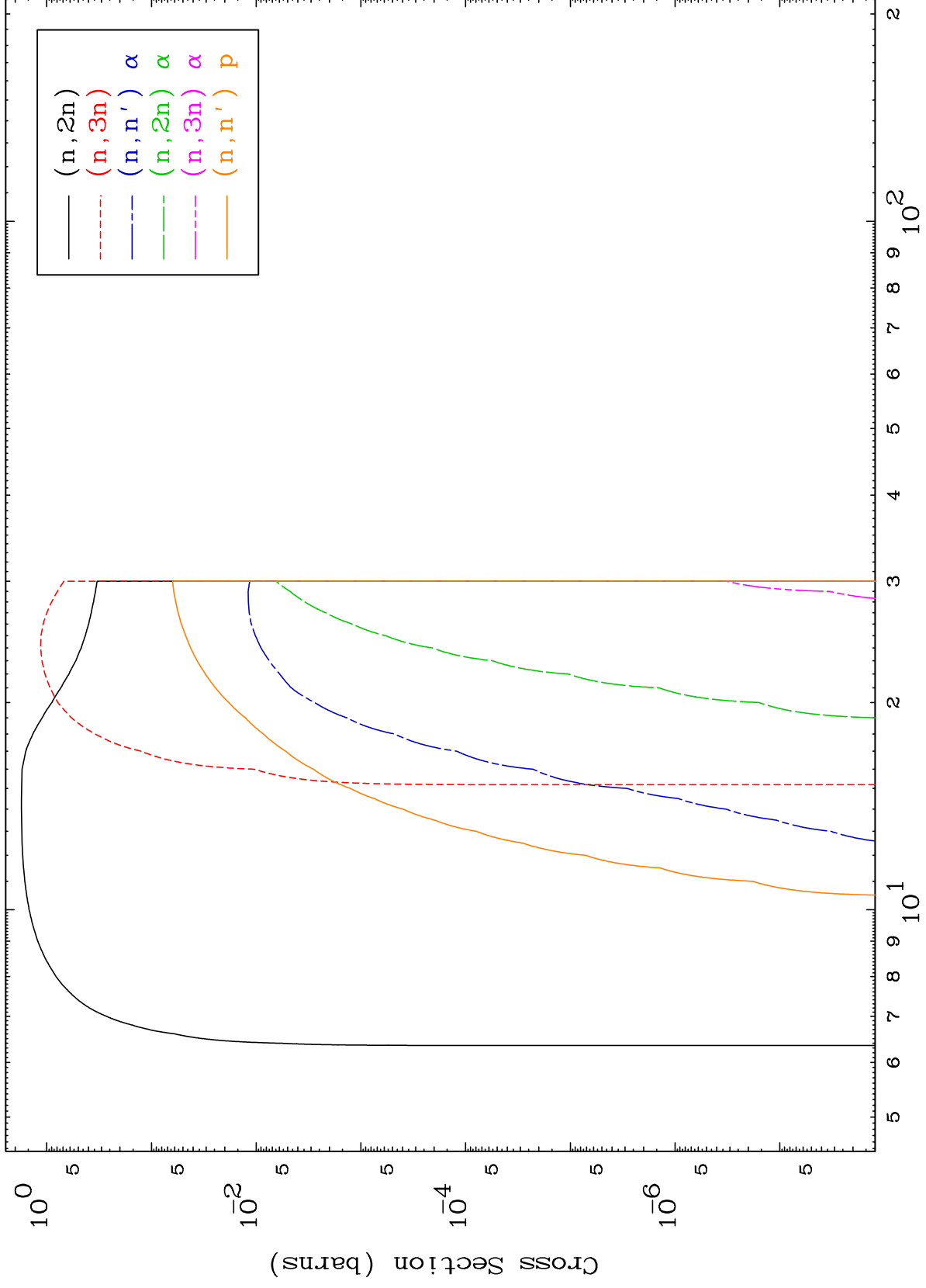
49-In-118



MAT 4941

Neutron Production
293 Kelvin Cross Sections

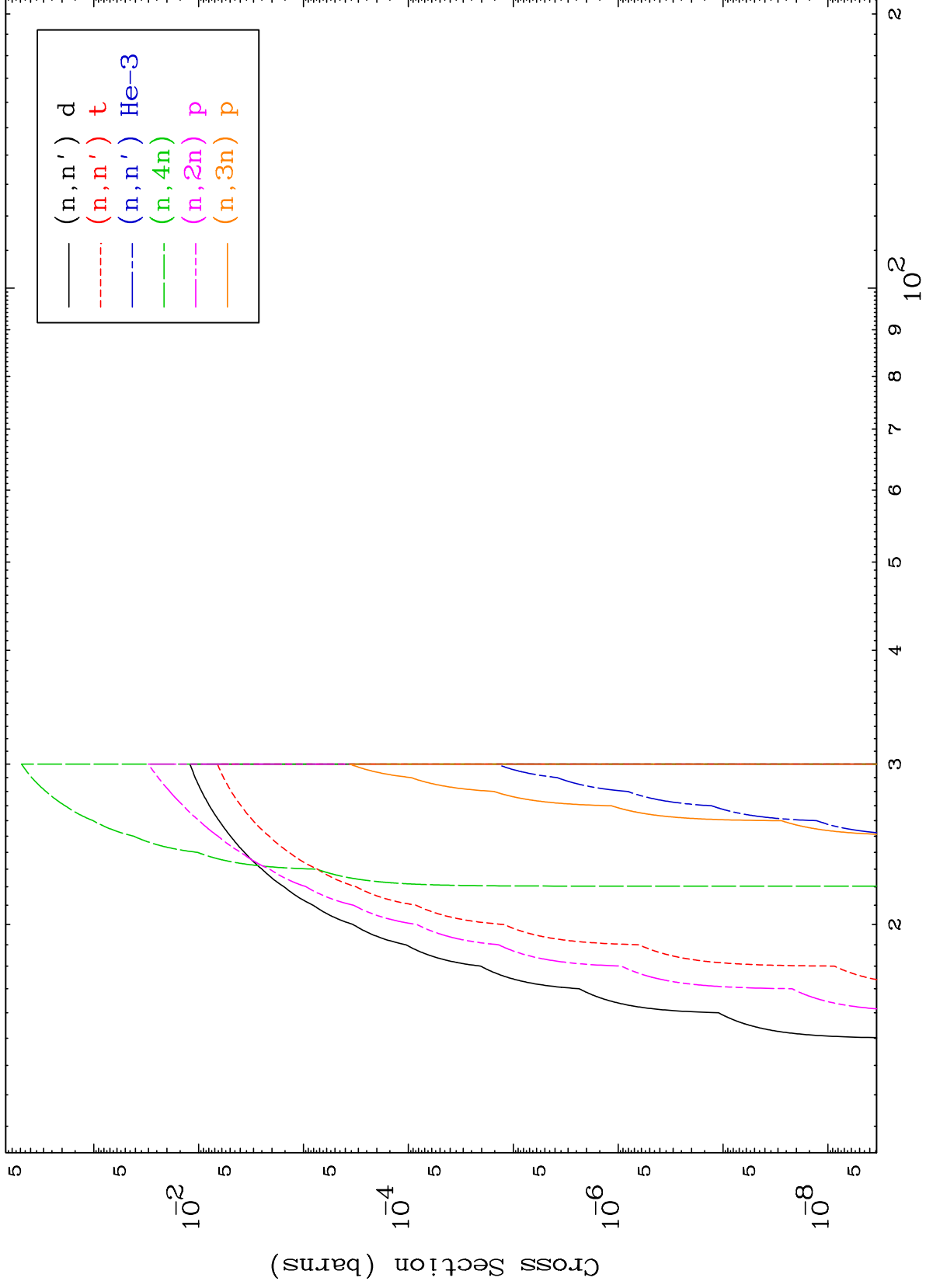
49-In-118



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Incident Energy (MeV)

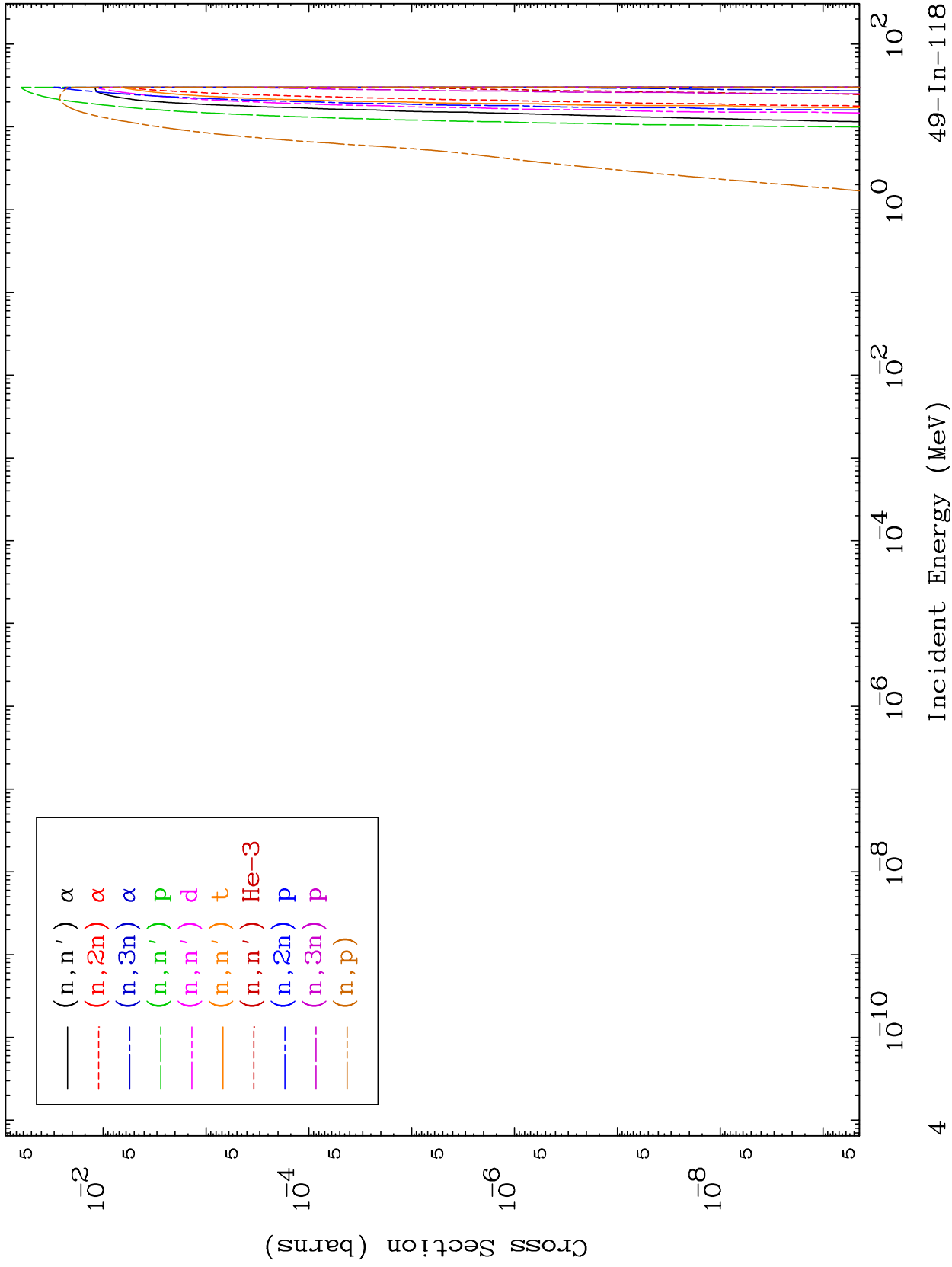
49-In-118



MAT 4941

Charged Particle
293 Kelvin Cross Sections

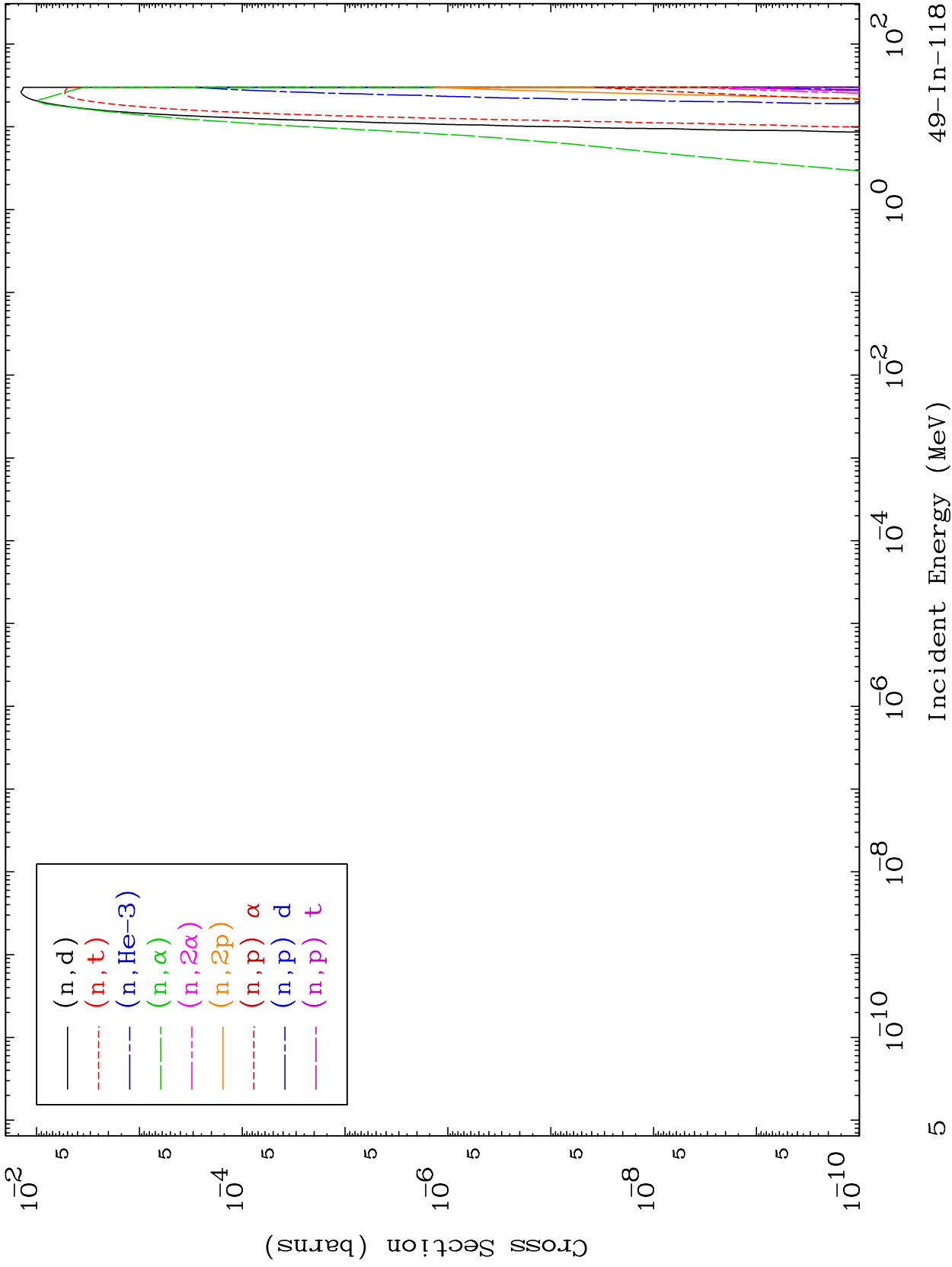
49-In-118



MAT 4941

Charged Particle
293 Kelvin Cross Sections

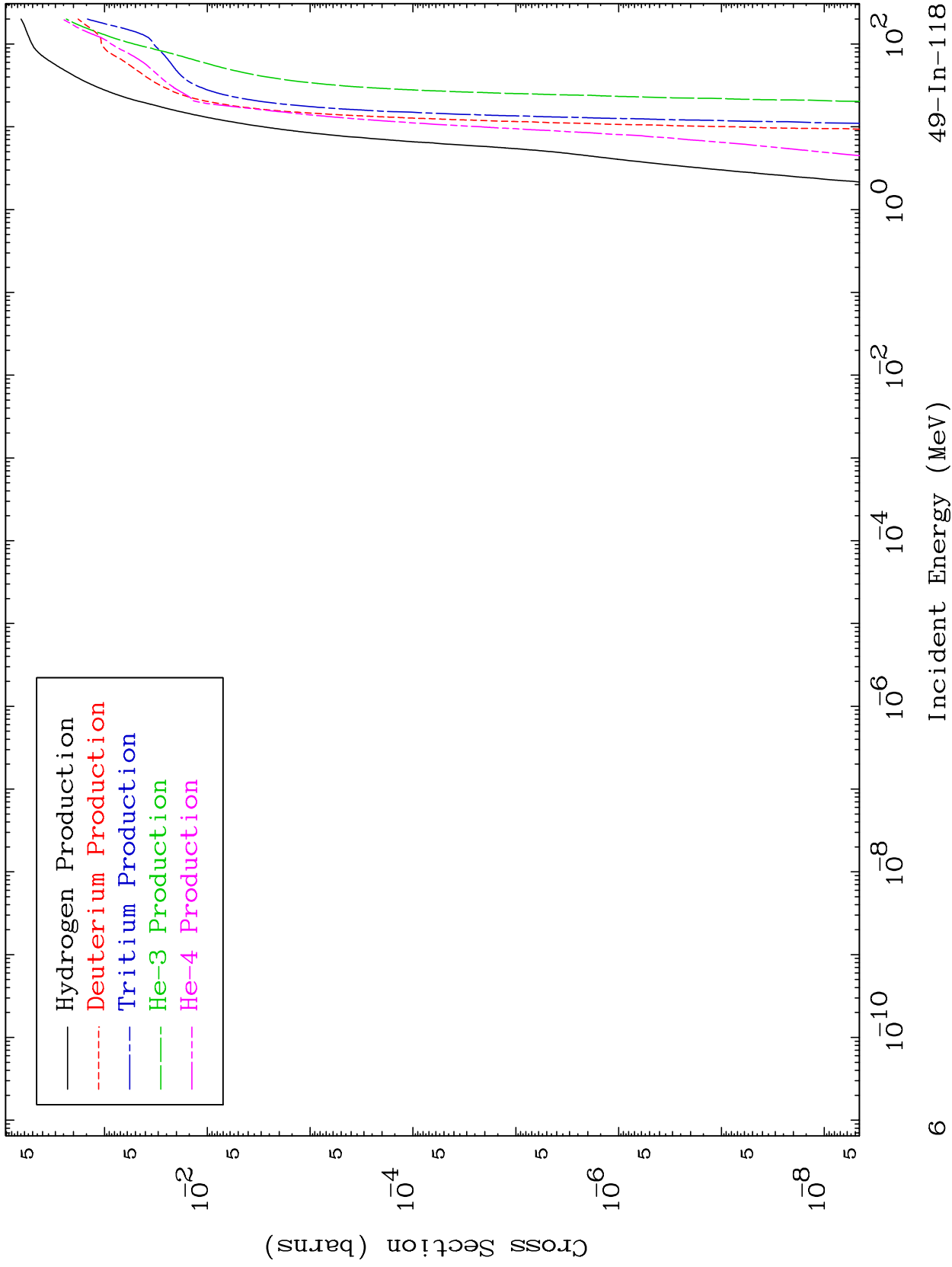
49-In-118



MAT 4941

Particle Production
293 Kelvin Cross Sections

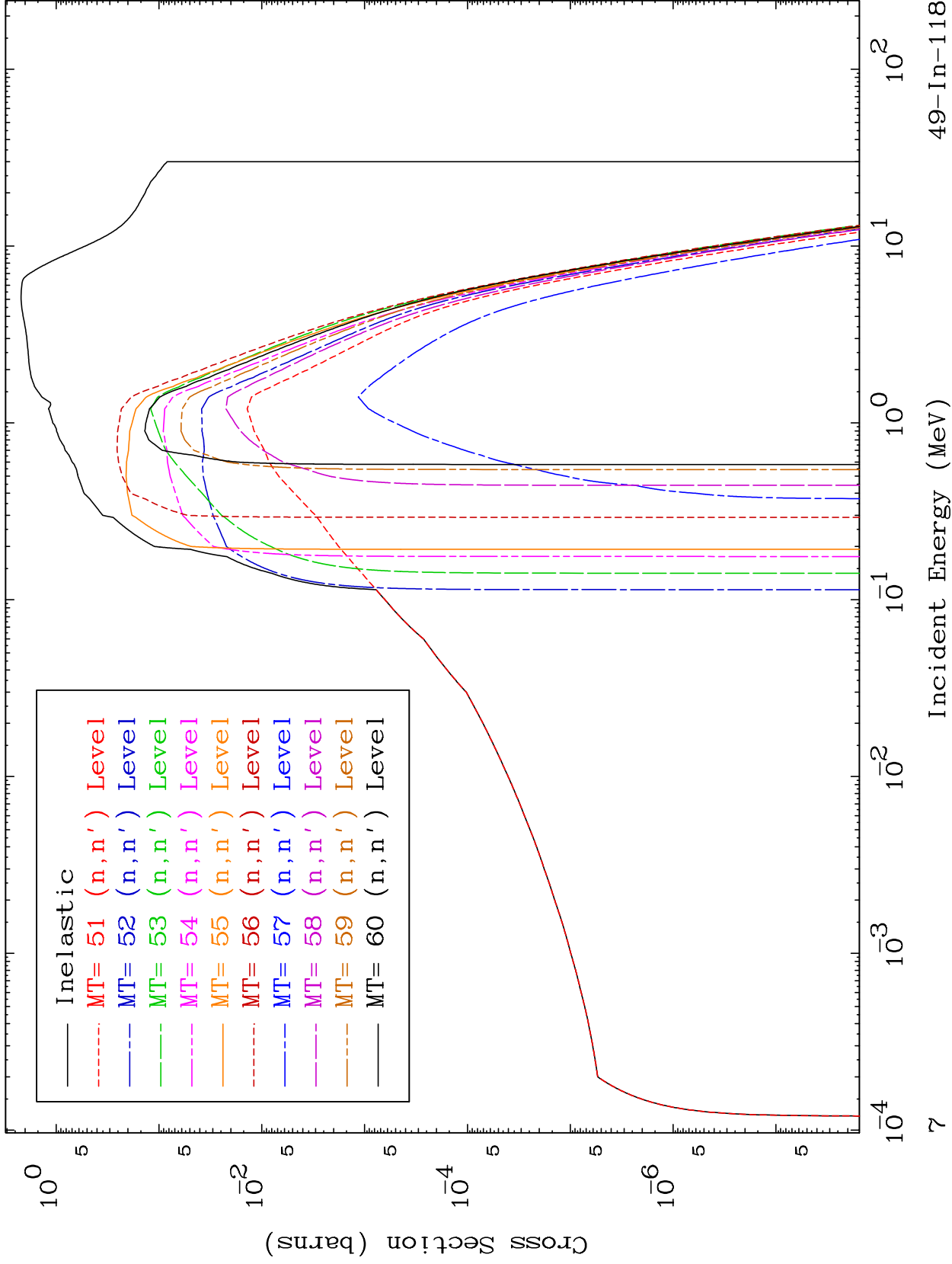
49-In-118



MAT 4941

293 Kelvin Cross Sections

49-In-118

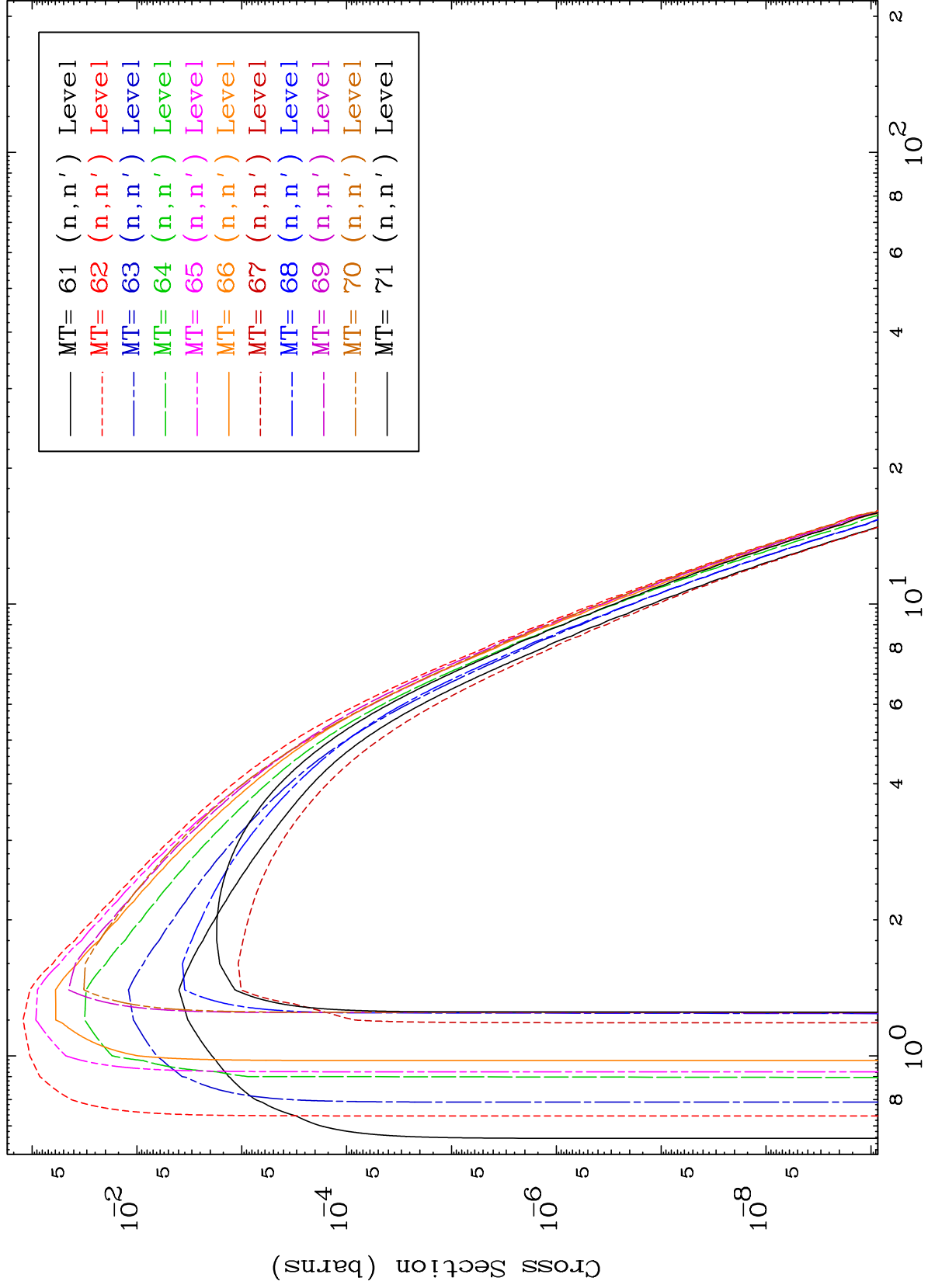


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(n,n') Level

49-In-118

293 Kelvin Cross Sections

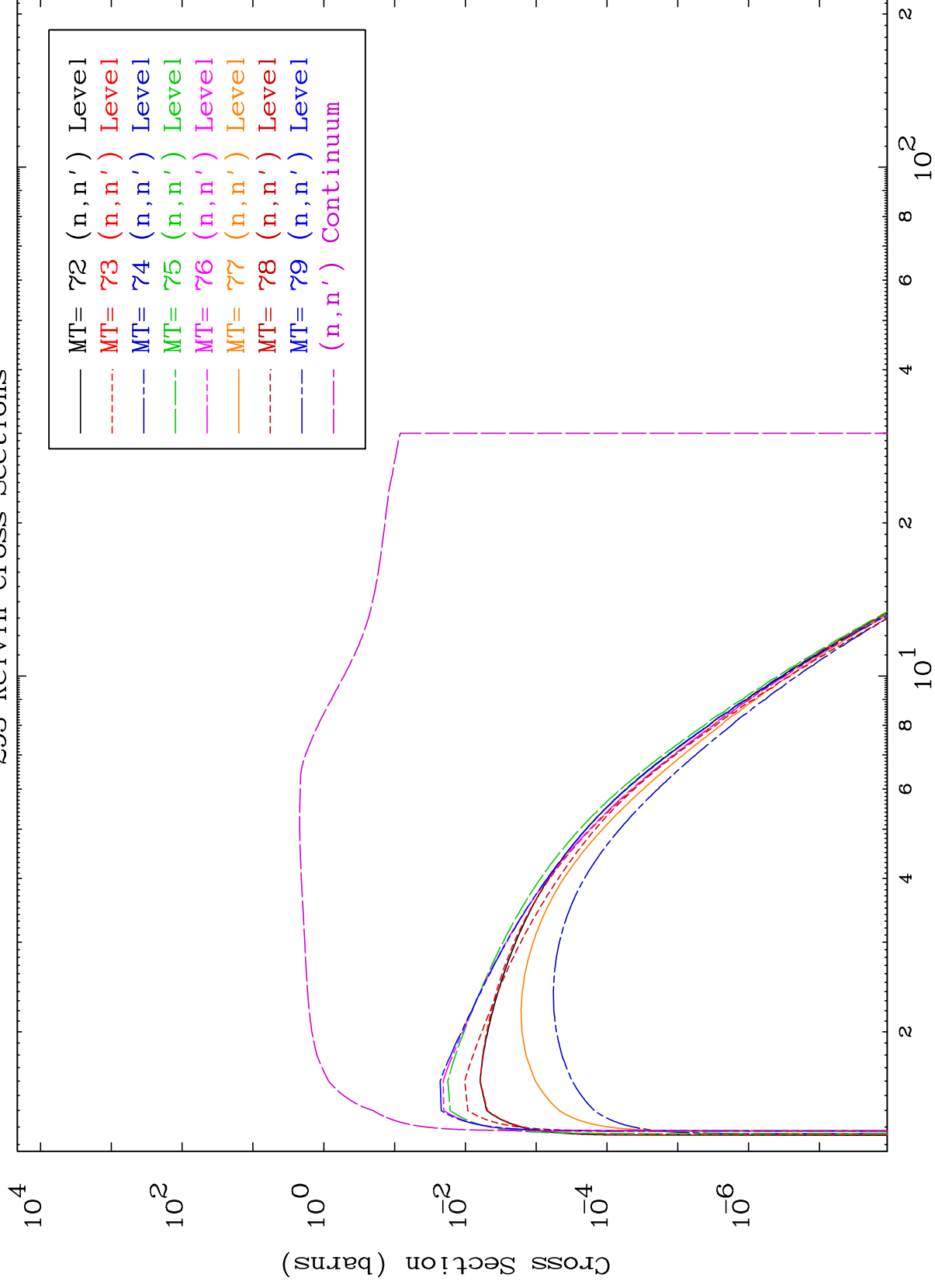


Incident Energy (MeV)

49-In-118

8

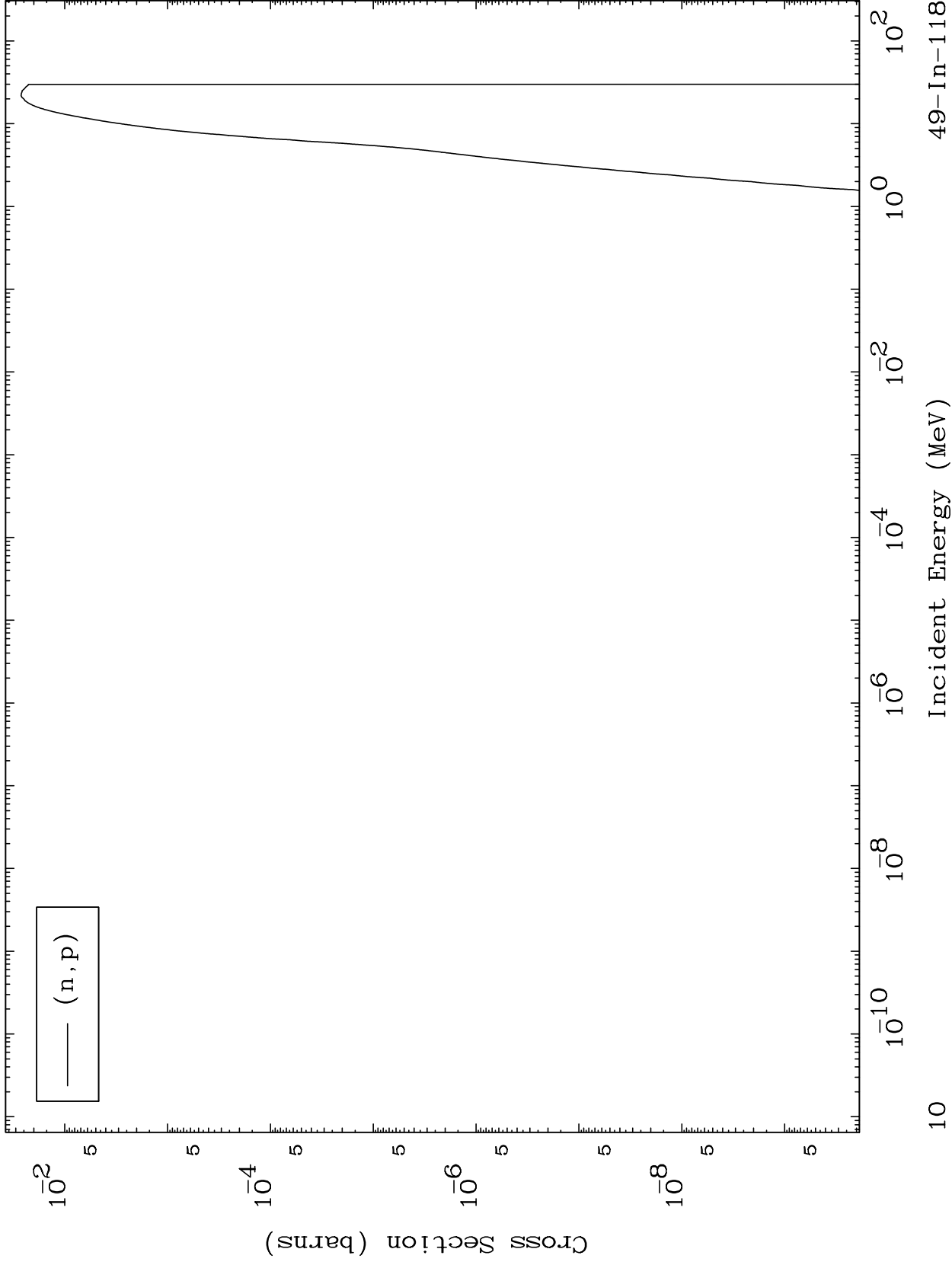
293 Kelvin Cross Sections



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(n,p) Levels
293 Kelvin Cross Sections

49-In-118



10

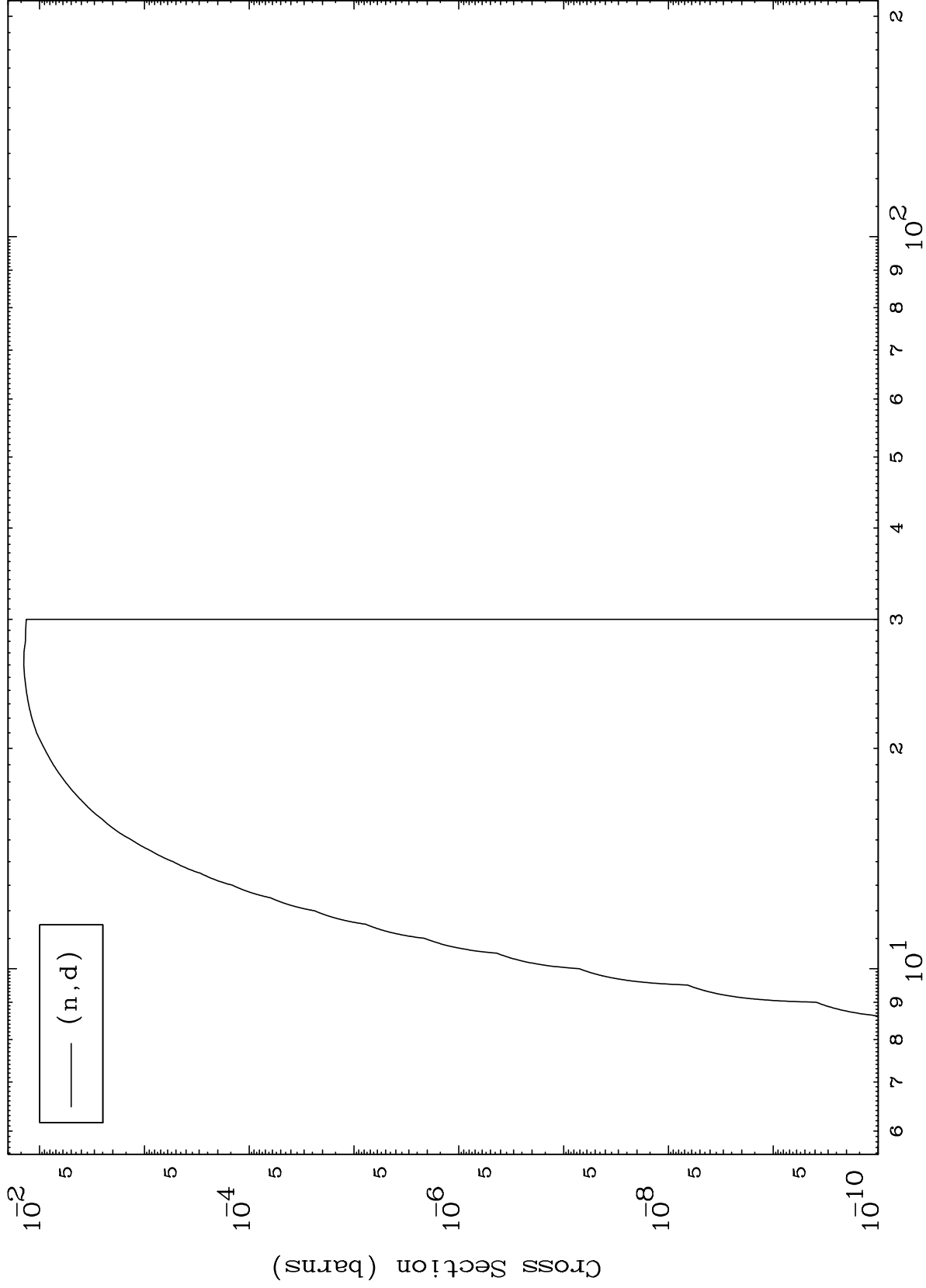
Incident Energy (MeV)

49-In-118

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(n,d) Levels
293 Kelvin Cross Sections

49-In-118



11

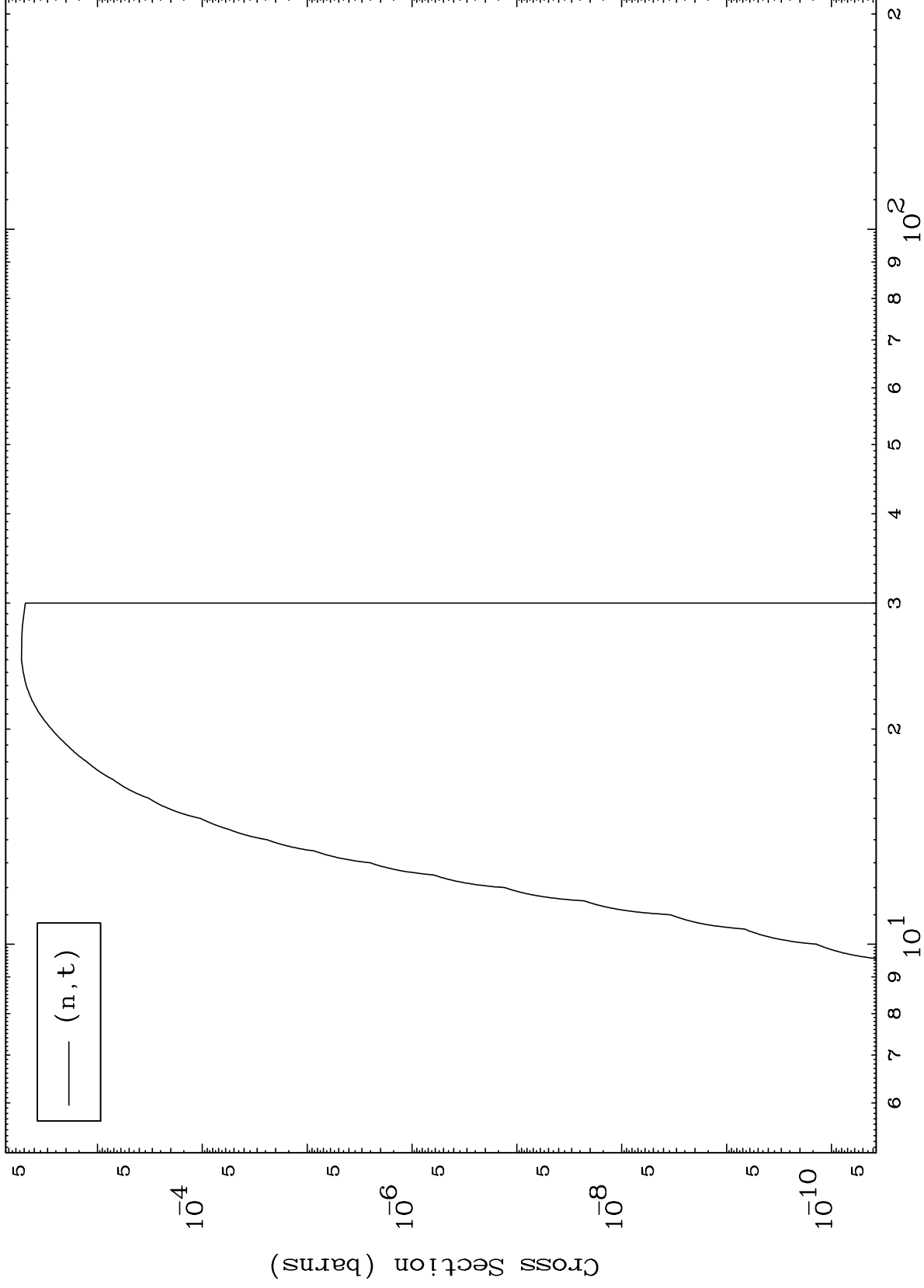
Incident Energy (MeV)

49-In-118

MAT 4941

(n,t) Levels
293 Kelvin Cross Sections

49-In-118



12

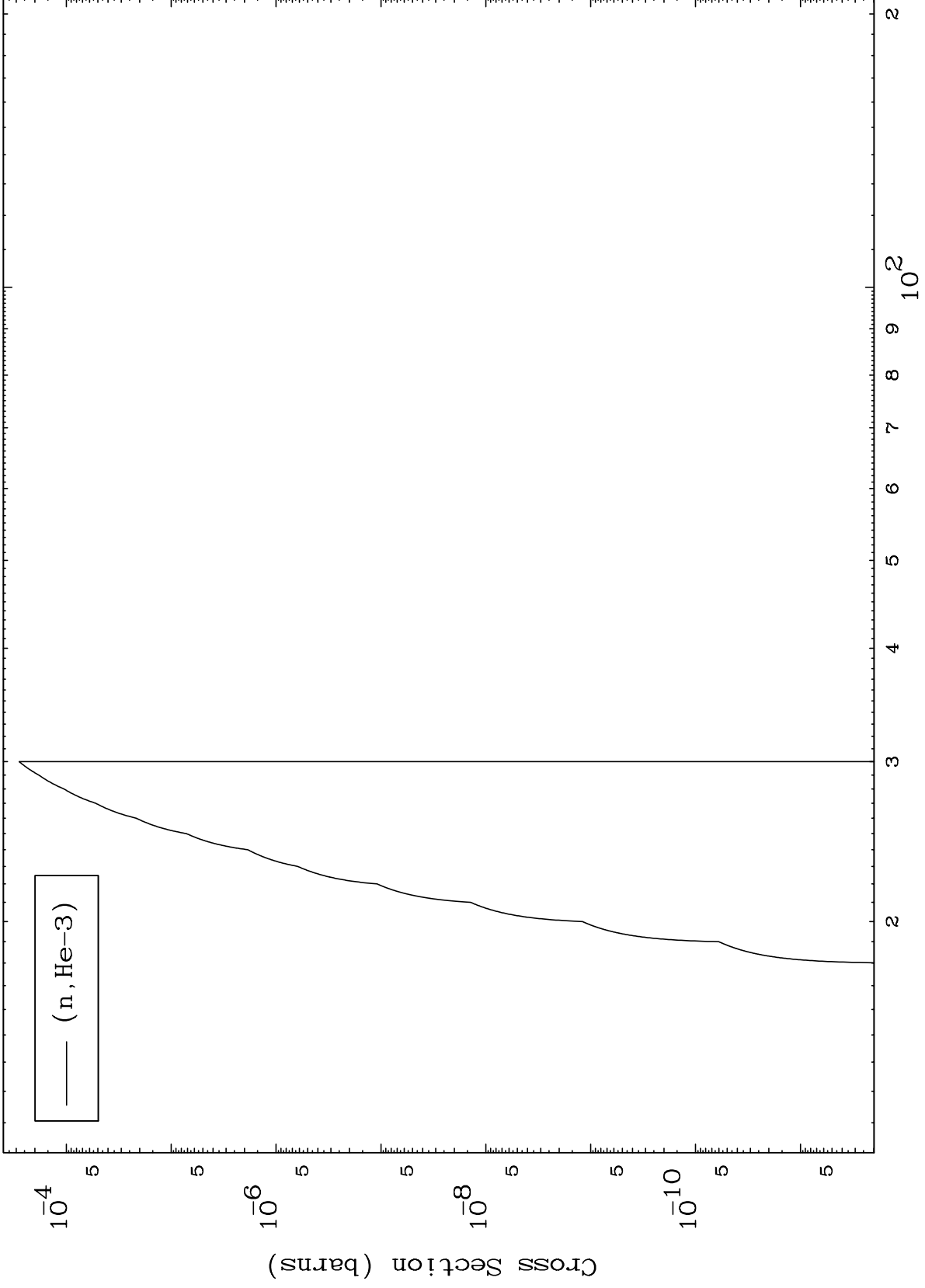
Incident Energy (MeV)

49-In-118

MAT 4941

(n,He3) Levels
293 Kelvin Cross Sections

49-In-118



13

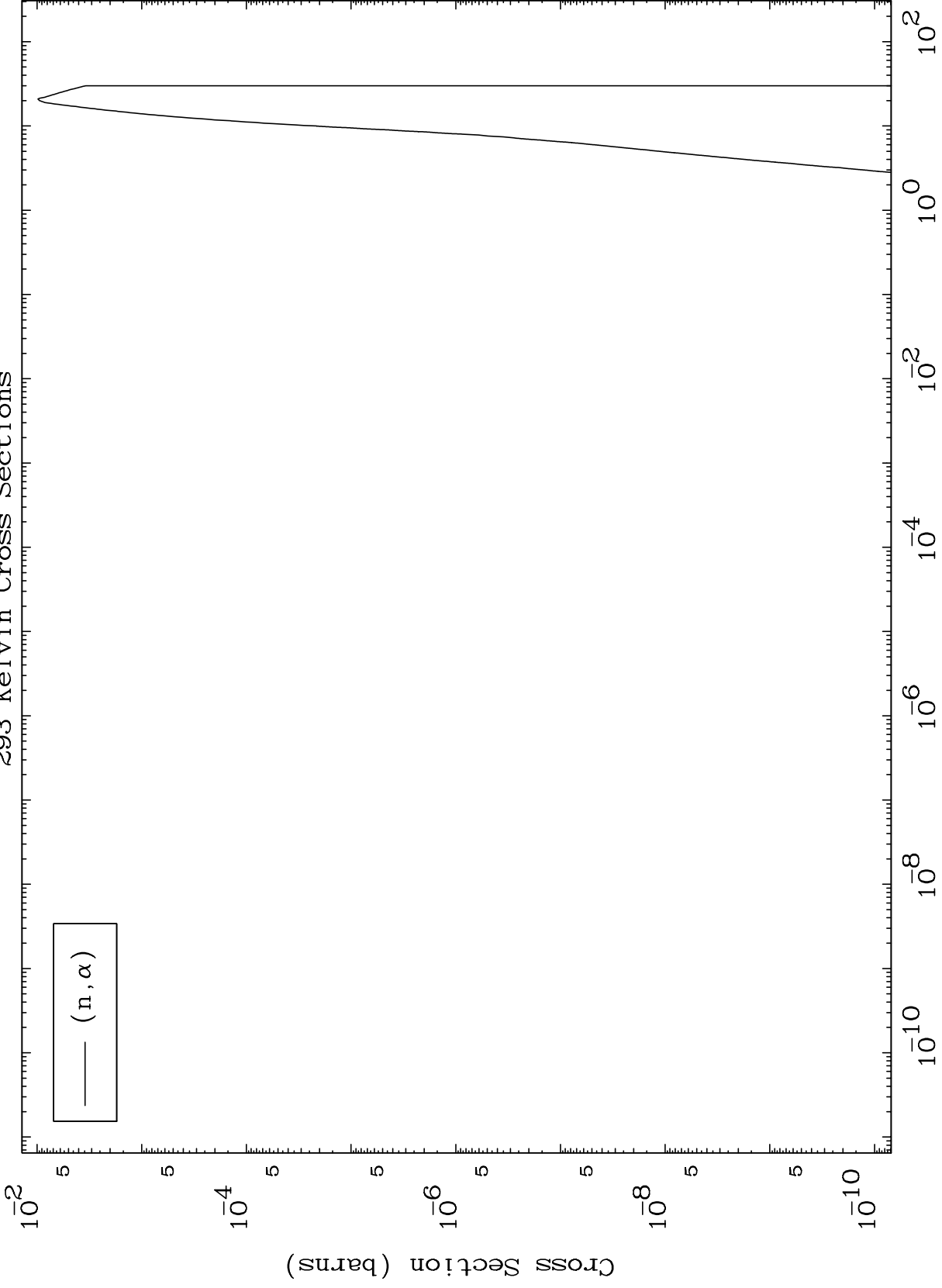
Incident Energy (MeV)

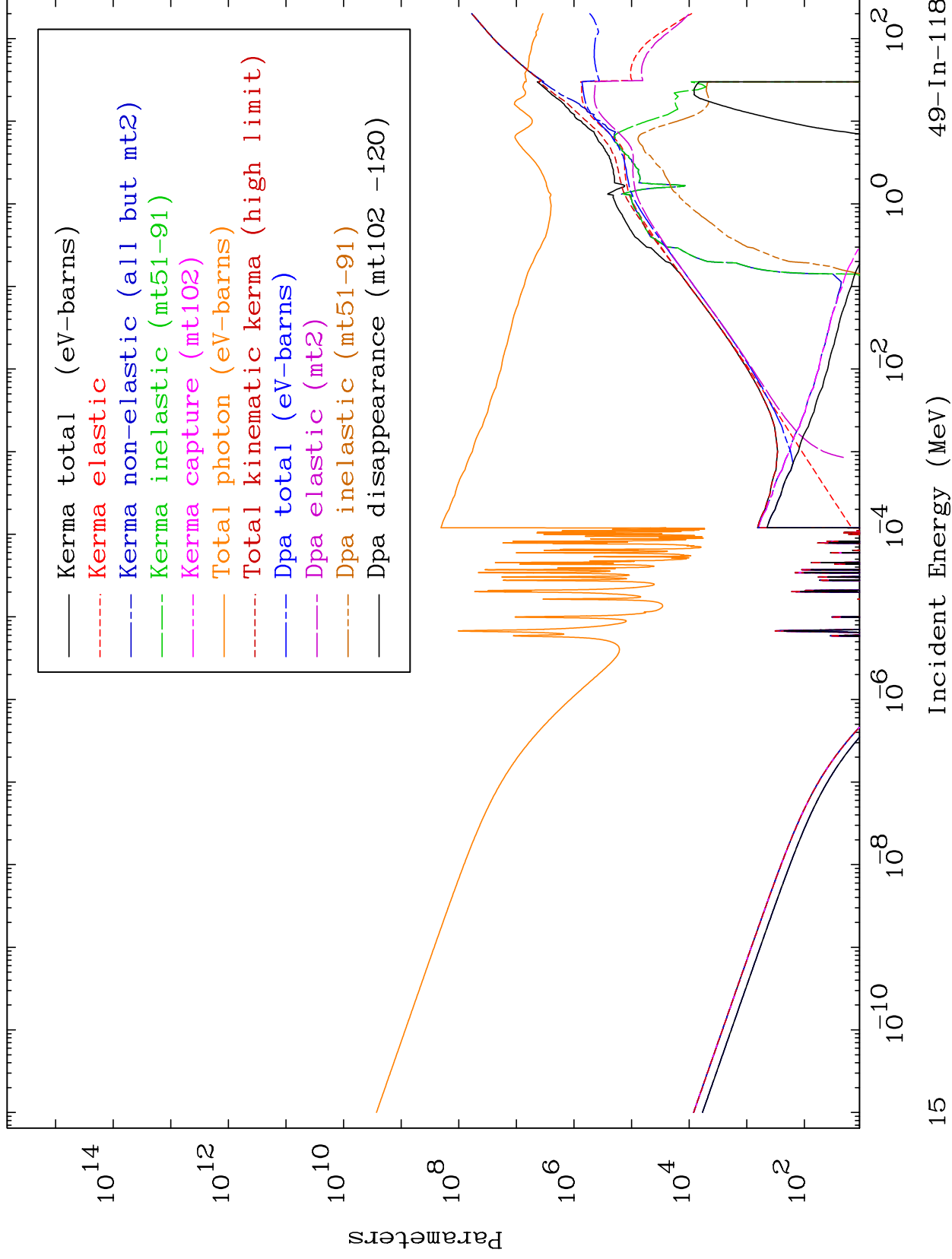
49-In-118

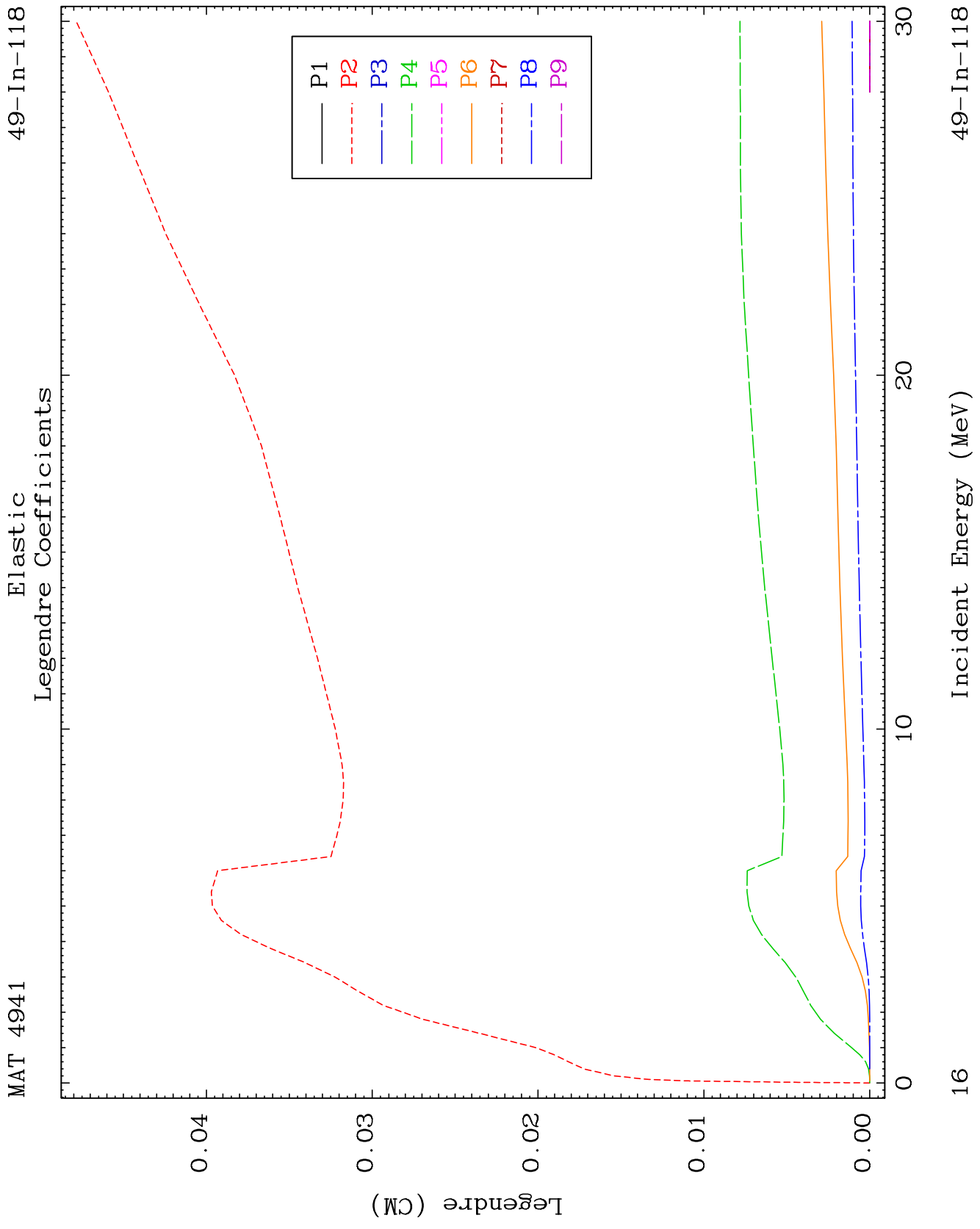
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(n, α) Levels
293 Kelvin Cross Sections

49-In-118



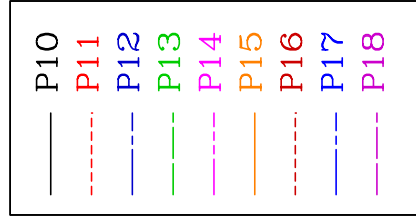




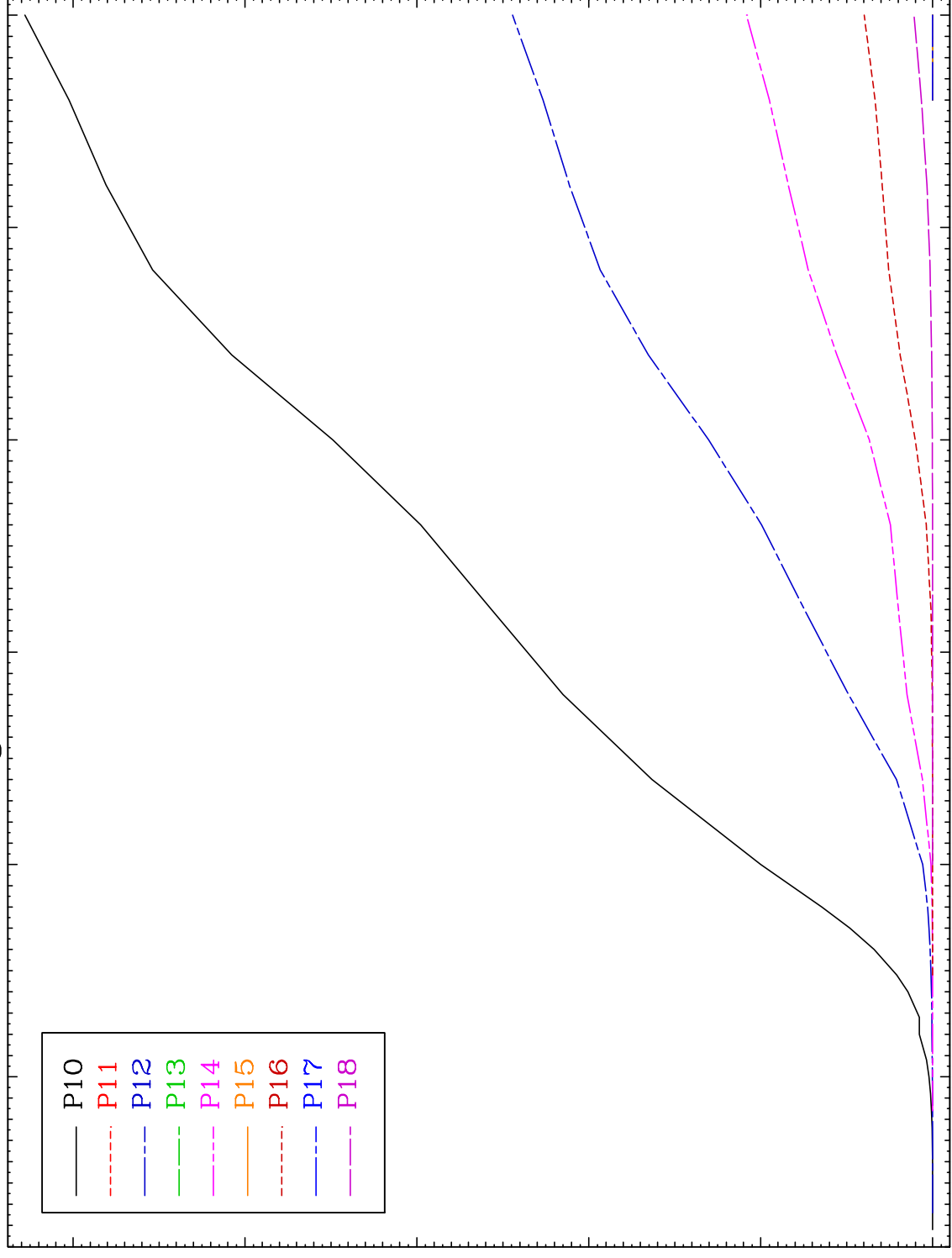
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Elastic Legendre Coefficients

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Legendre (CM) $\times 10^{-45}$



17

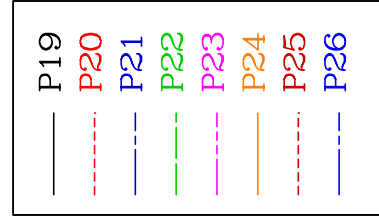
Incident Energy (MeV)

49-In-118

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Elastic
Legendre Coefficients

49-In-118



$\times 10^{-7}$

Legendre (CM)

5
4
3
2
1
0

15

20

25

30

18

Incident Energy (MeV)

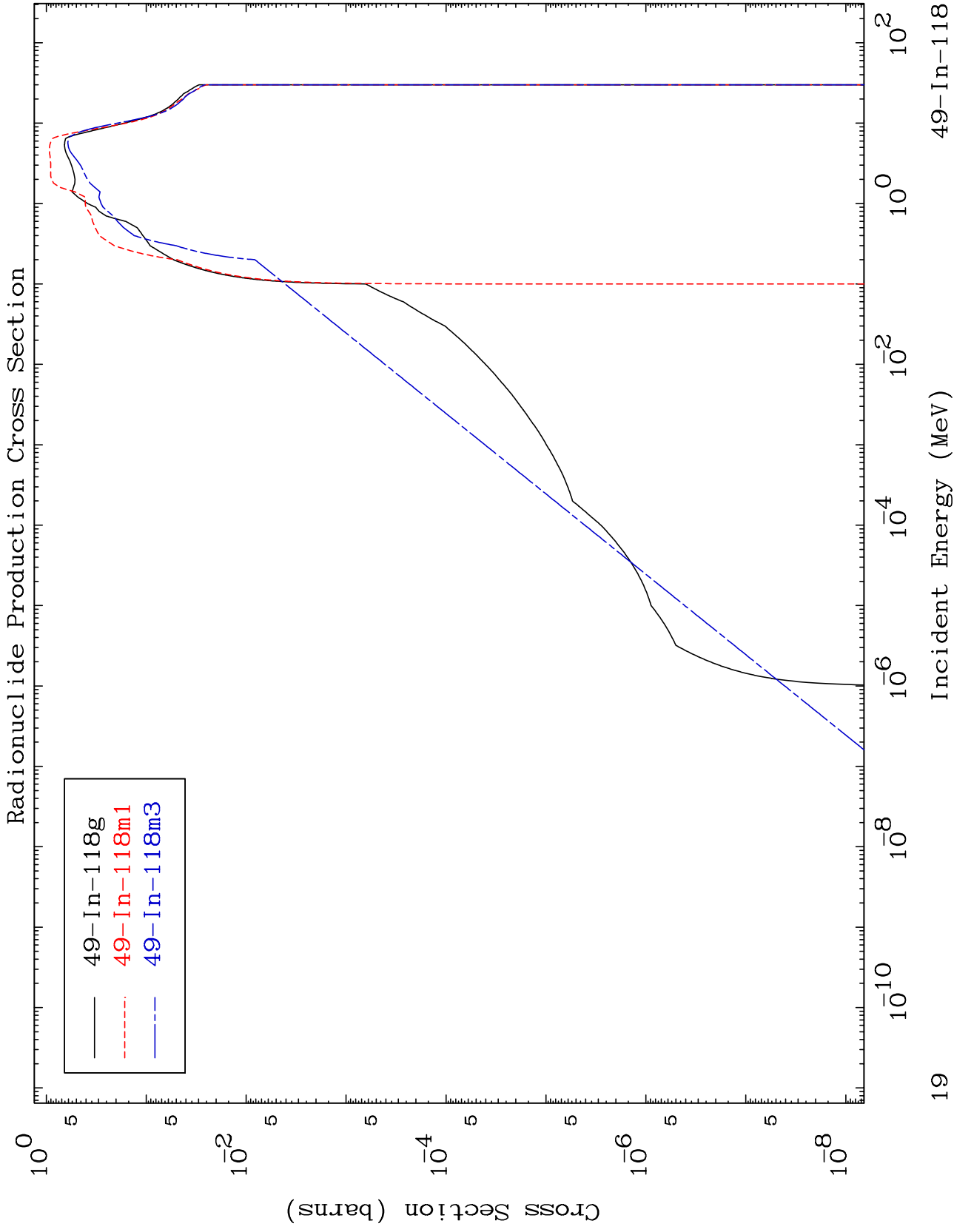
49-In-118



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49-In-118

Inelastic
Radionuclide Production Cross Section



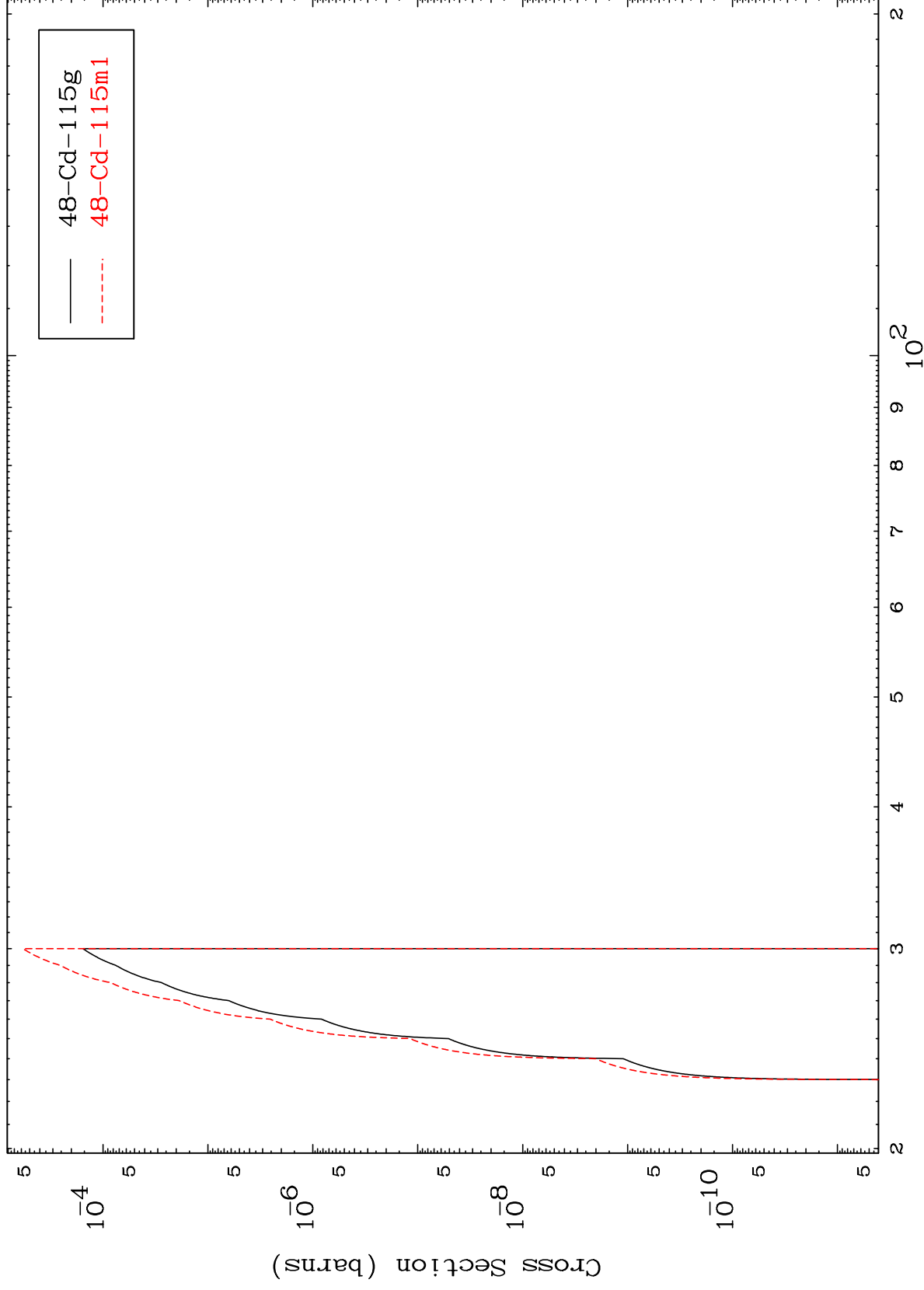
49-In-118g
49-In-118m1
49-In-118m3

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(n,2n) d

49-In-118

Radionuclide Production Cross Section



20

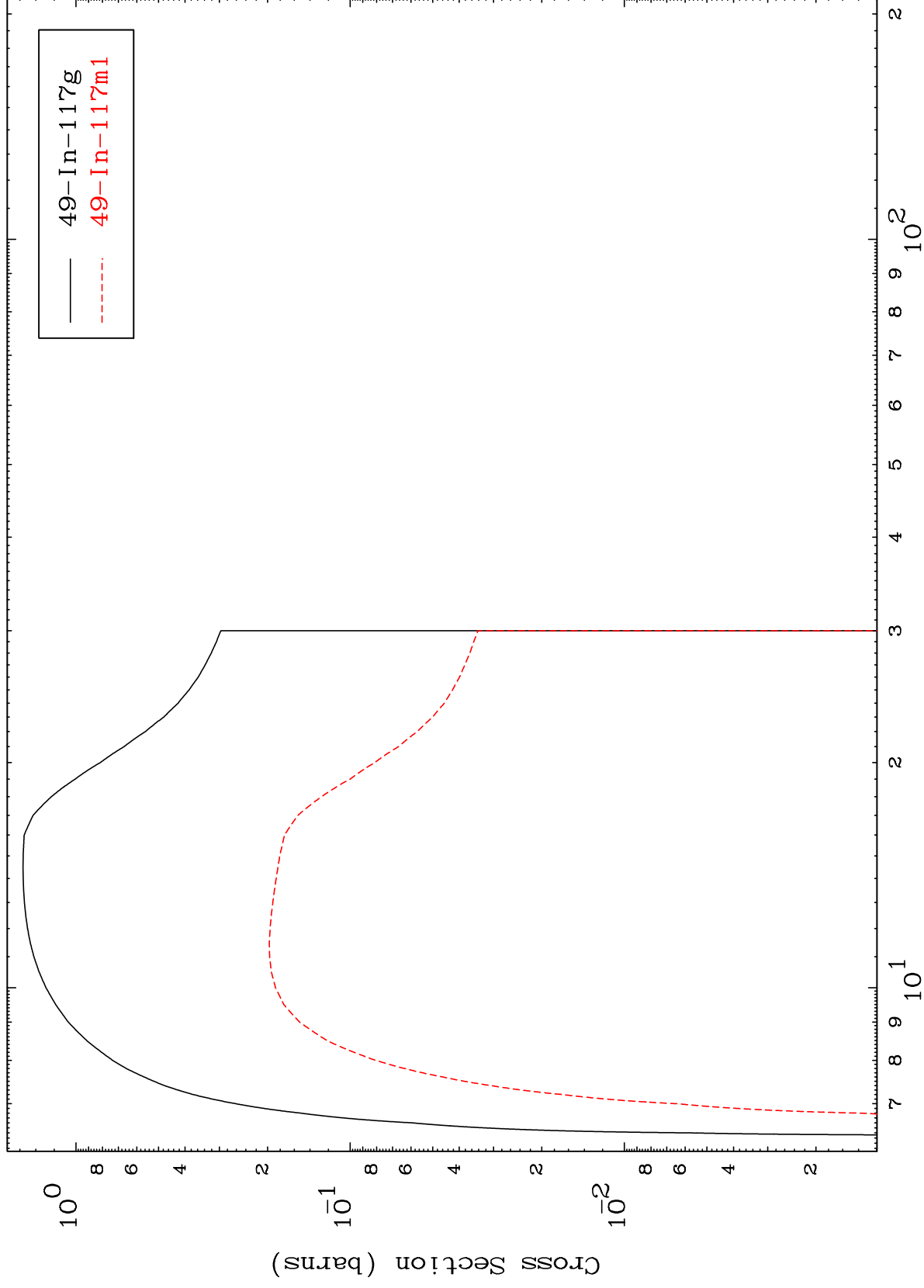
Incident Energy (MeV)

49-In-118

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49-In-118

(n,2n)
Radionuclide Production Cross Section

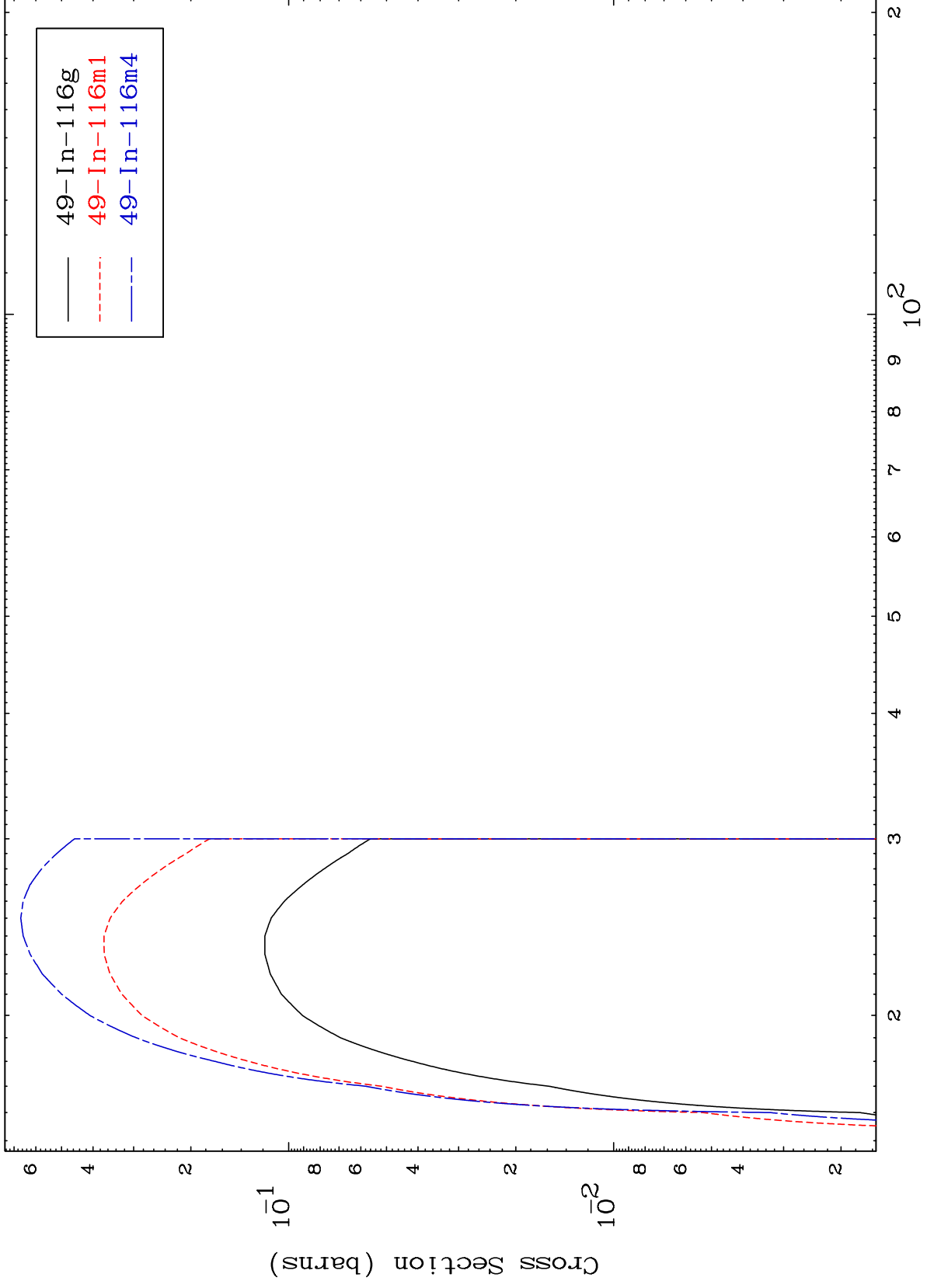


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Incident Energy (MeV)

49-In-118

Radionuclide Production Cross Section

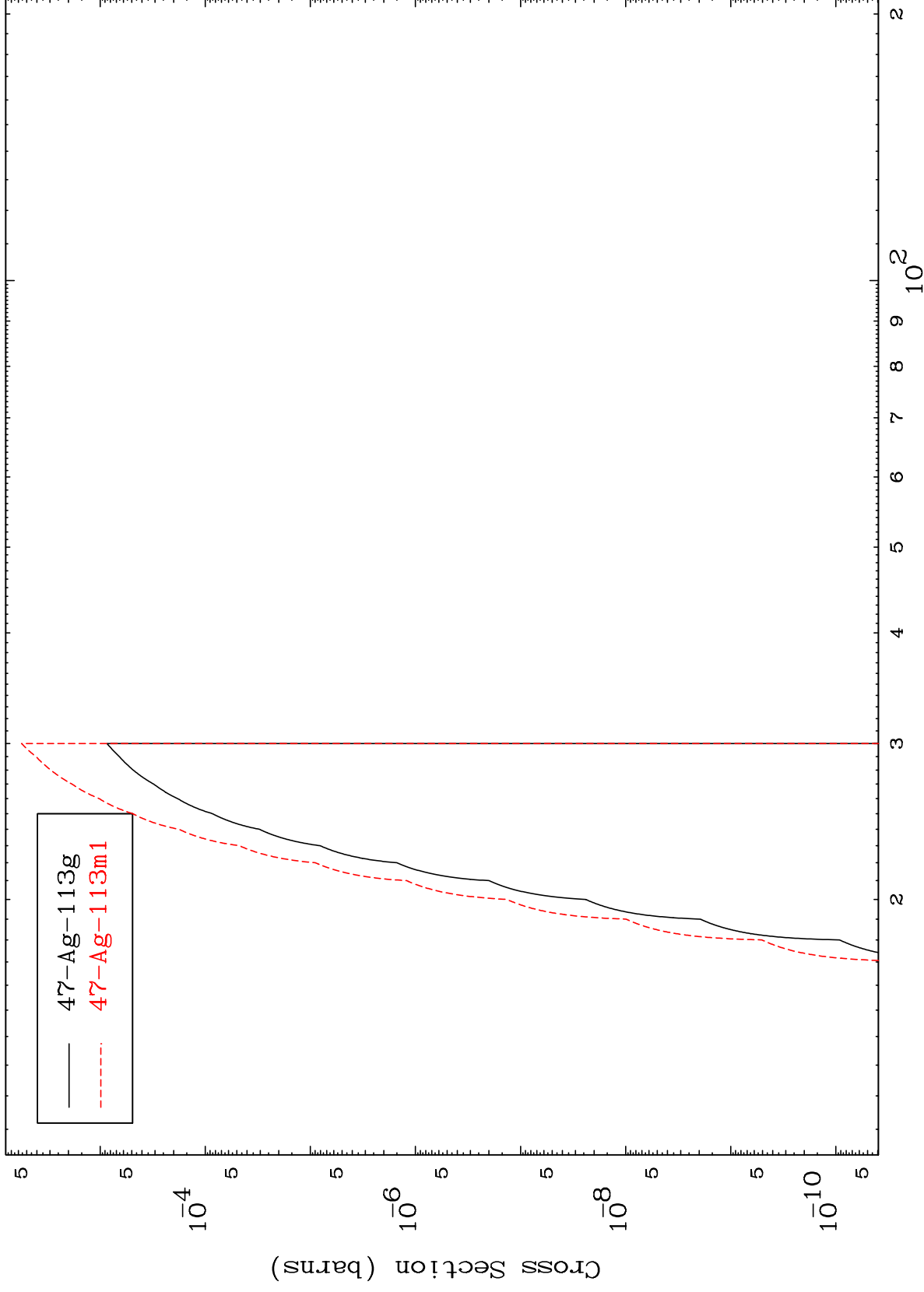


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(n,2n) α

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Radionuclide Production Cross Section



23

Incident Energy (MeV)

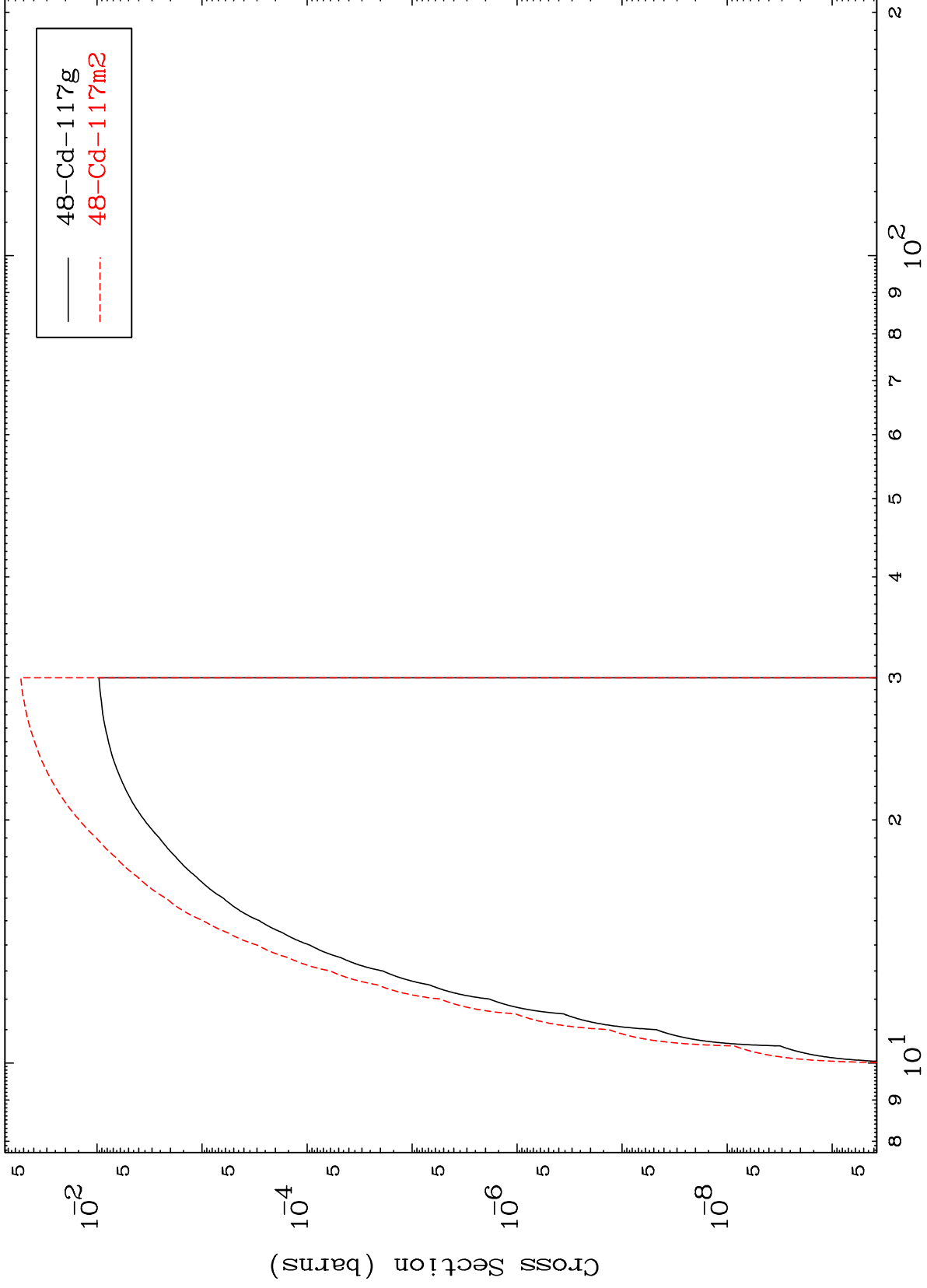
49-In-118

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(n,n') p

49-In-118

Radionuclide Production Cross Section



24

Incident Energy (MeV)

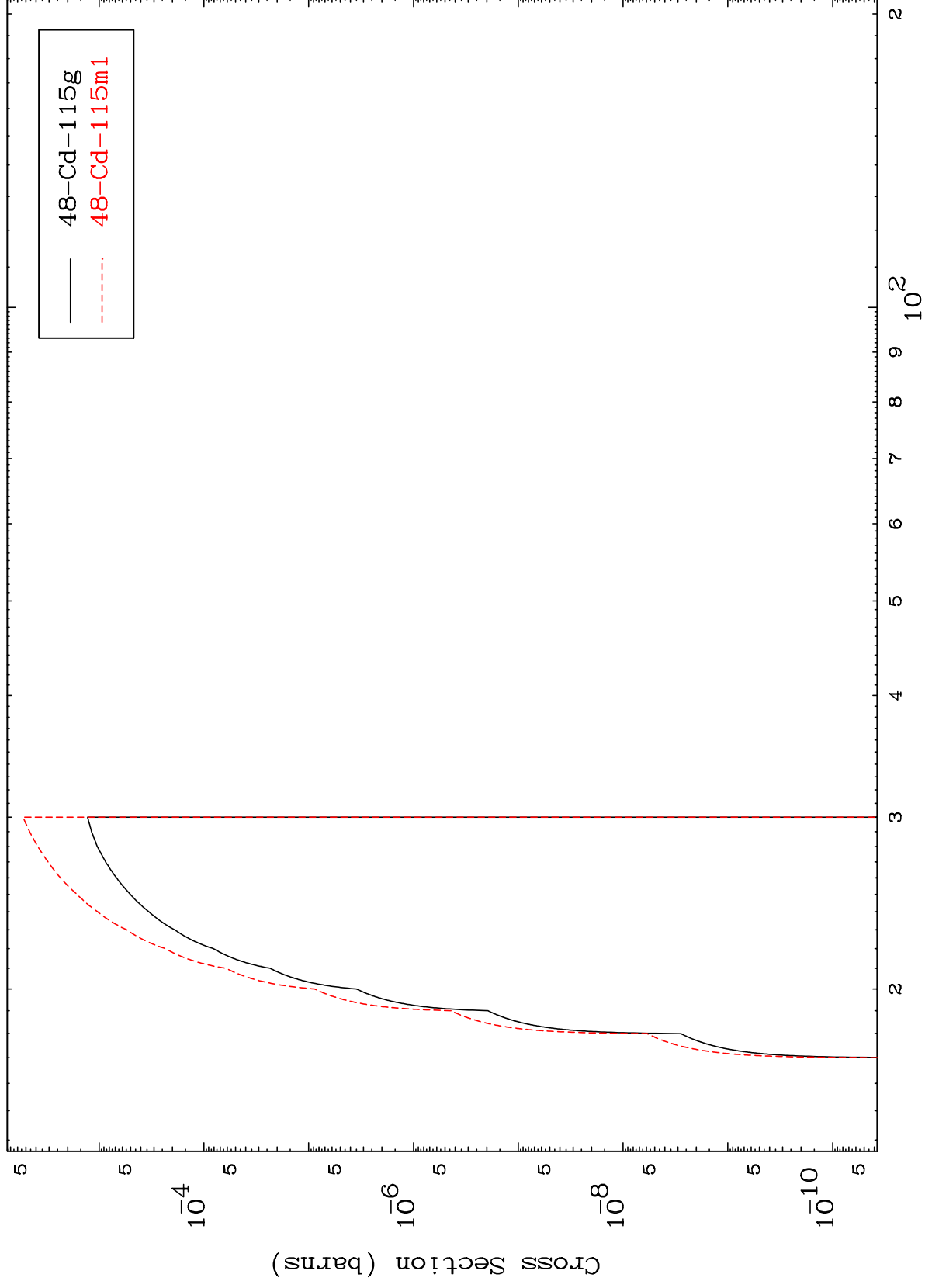
49-In-118

MAT 4941

(n,n') t

49-In-118

Radionuclide Production Cross Section

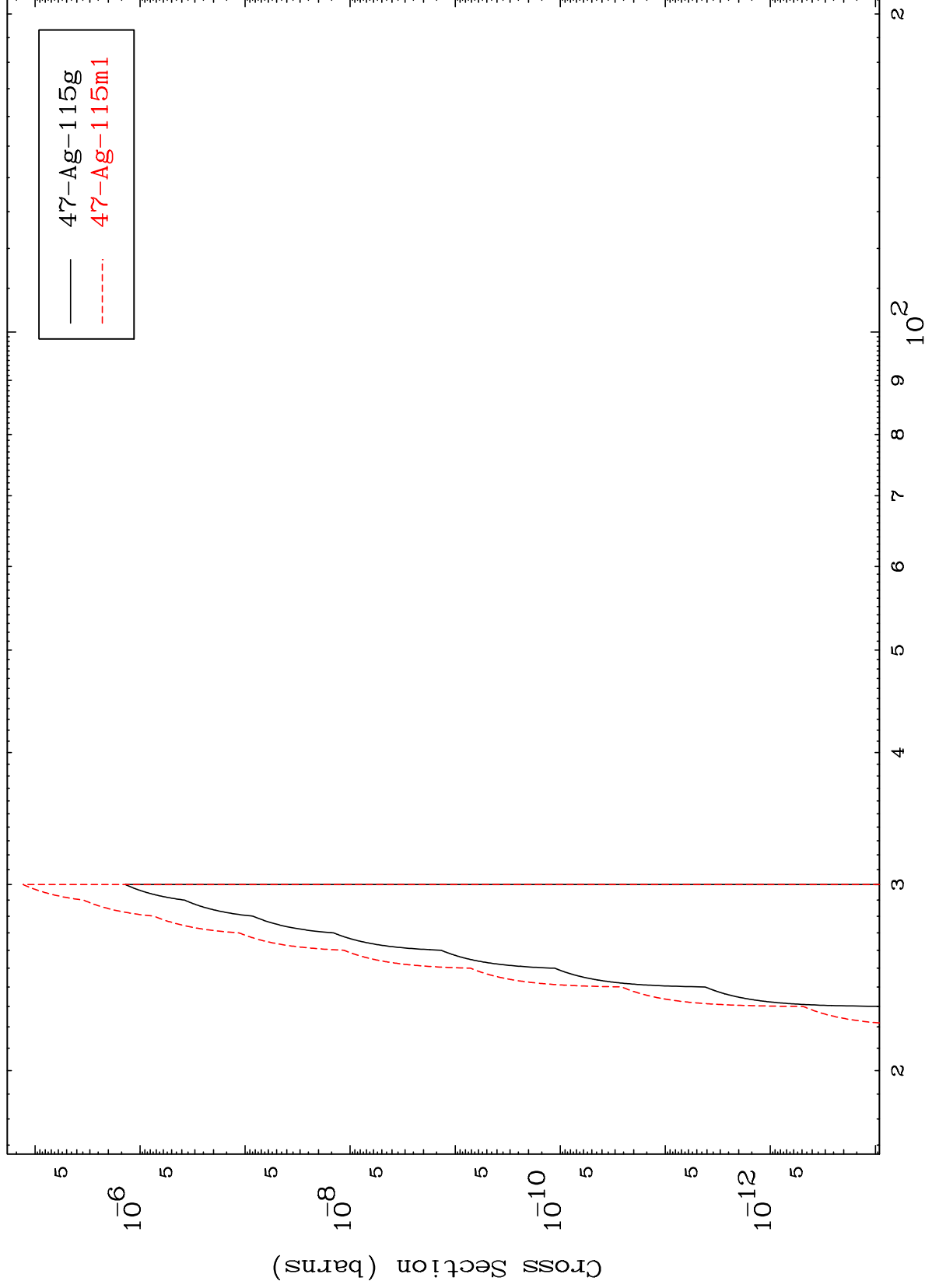


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Incident Energy (MeV)

49-In-118

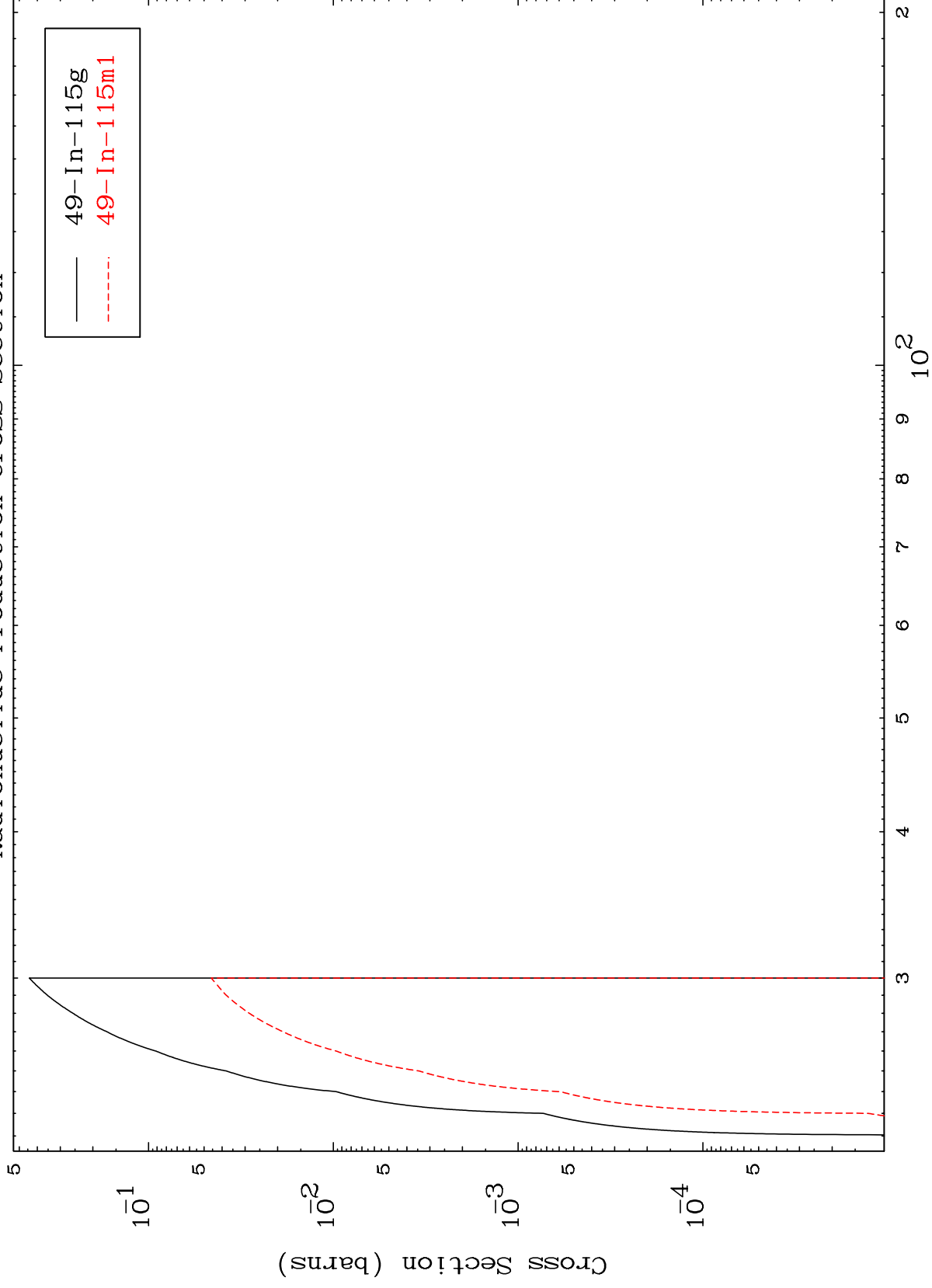
Radionuclide Production Cross Section



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(n,4n)
Radionuclide Production Cross Section



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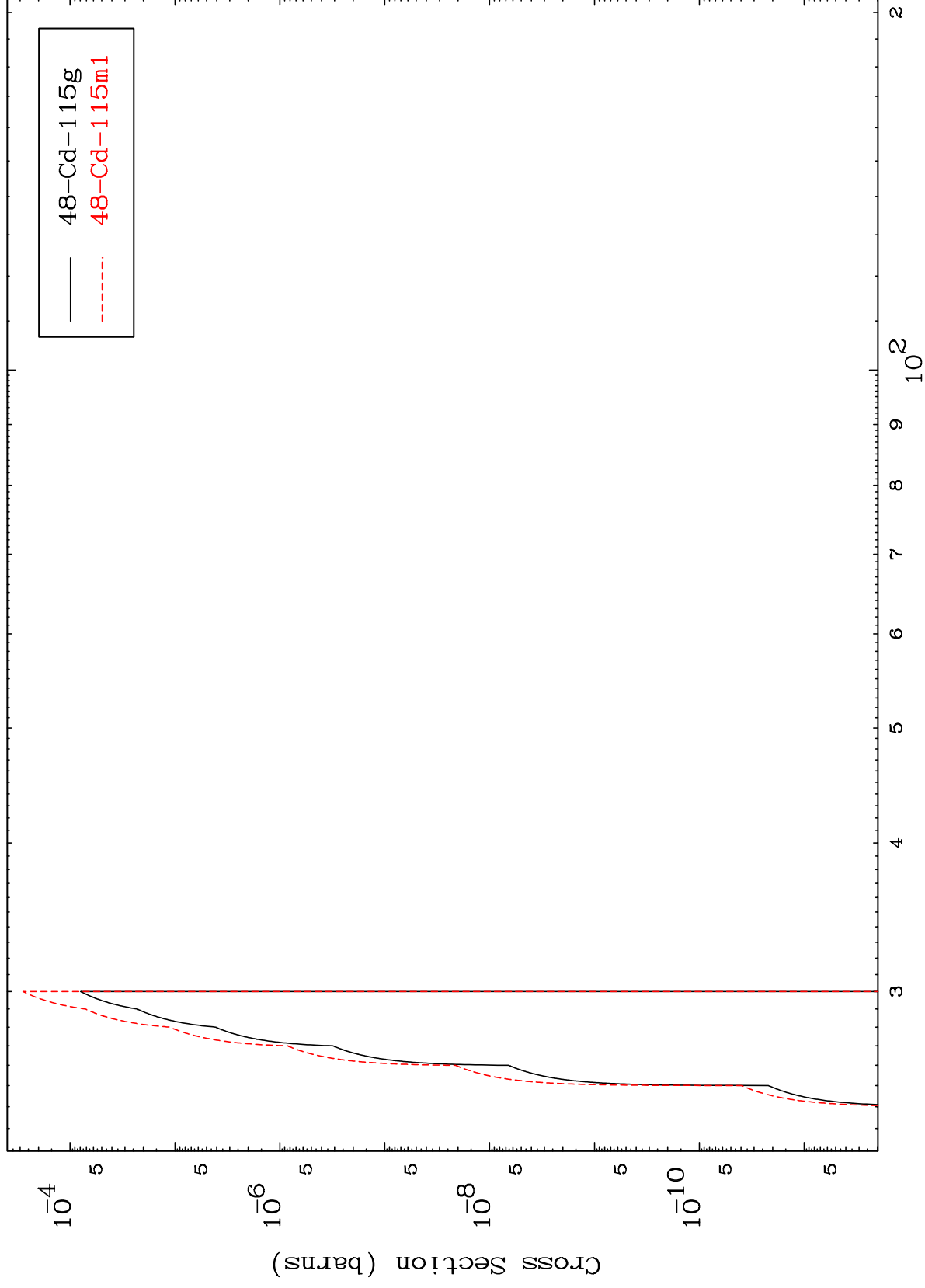
Incident Energy (MeV)

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(n,3n) p

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Radionuclide Production Cross Section



28

Incident Energy (MeV)

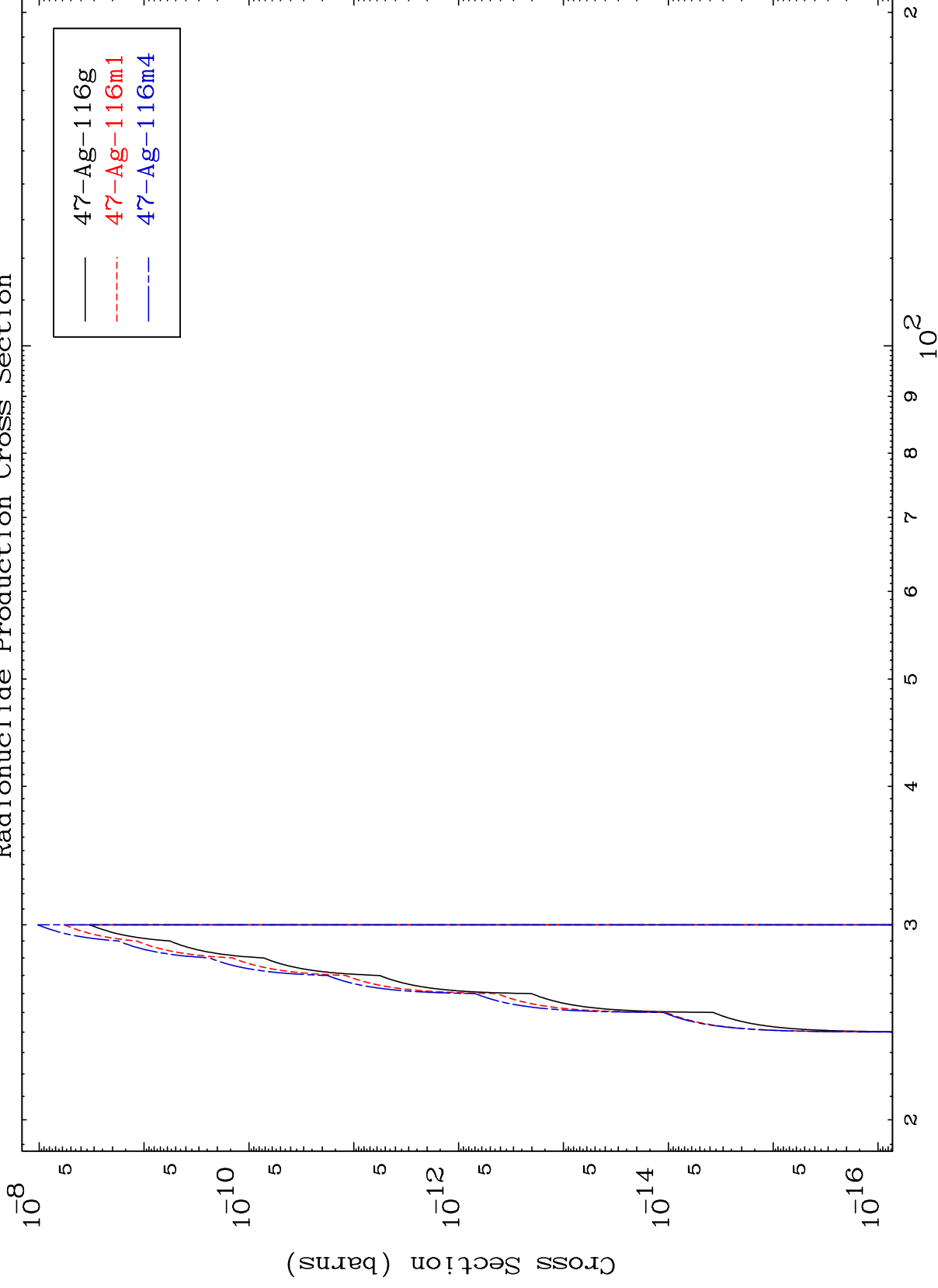
49-In-118

MAT 4941

(n,2n) p

49-In-118

Radionuclide Production Cross Section

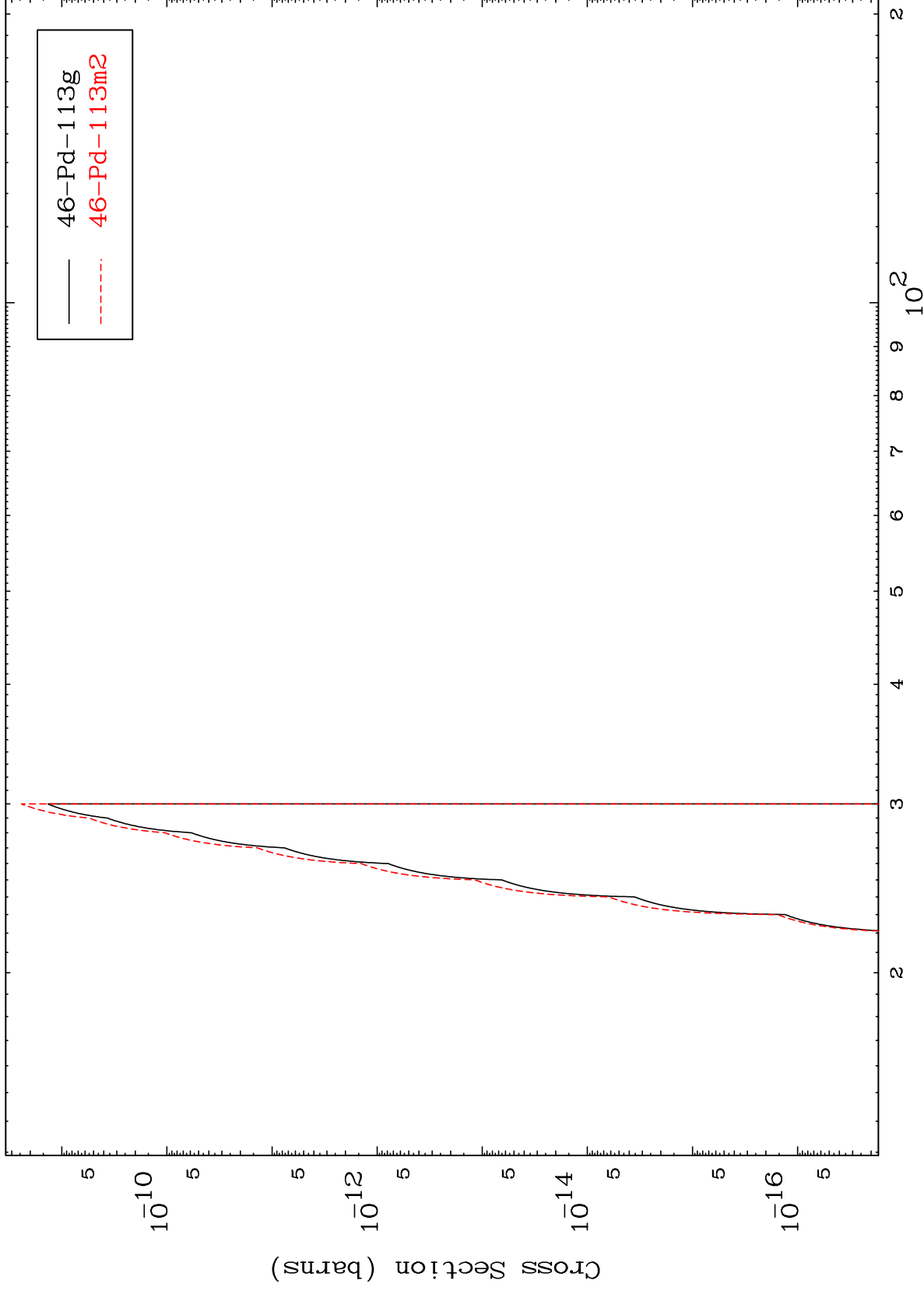


29

Incident Energy (MeV)

49-In-118

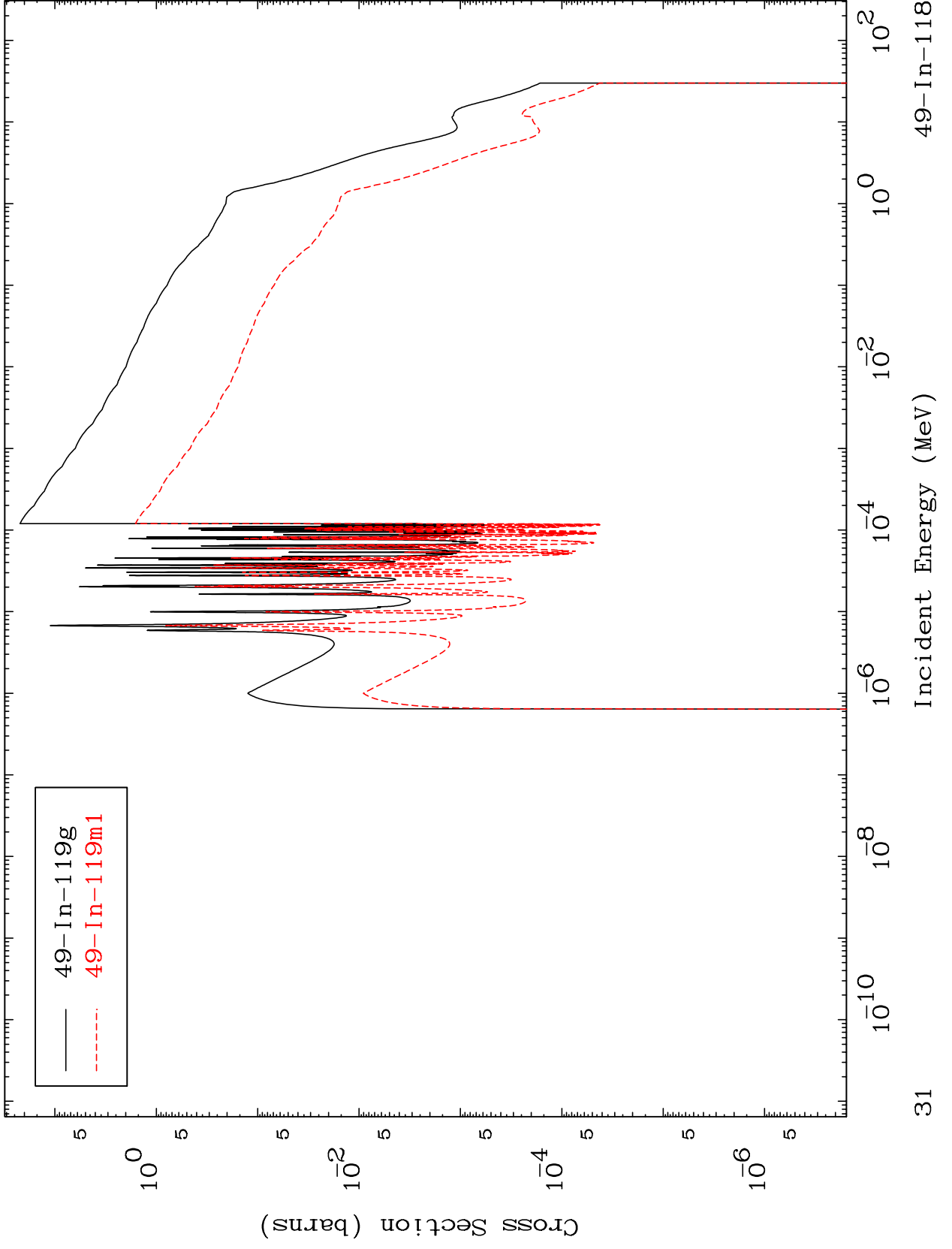
Radionuclide Production Cross Section



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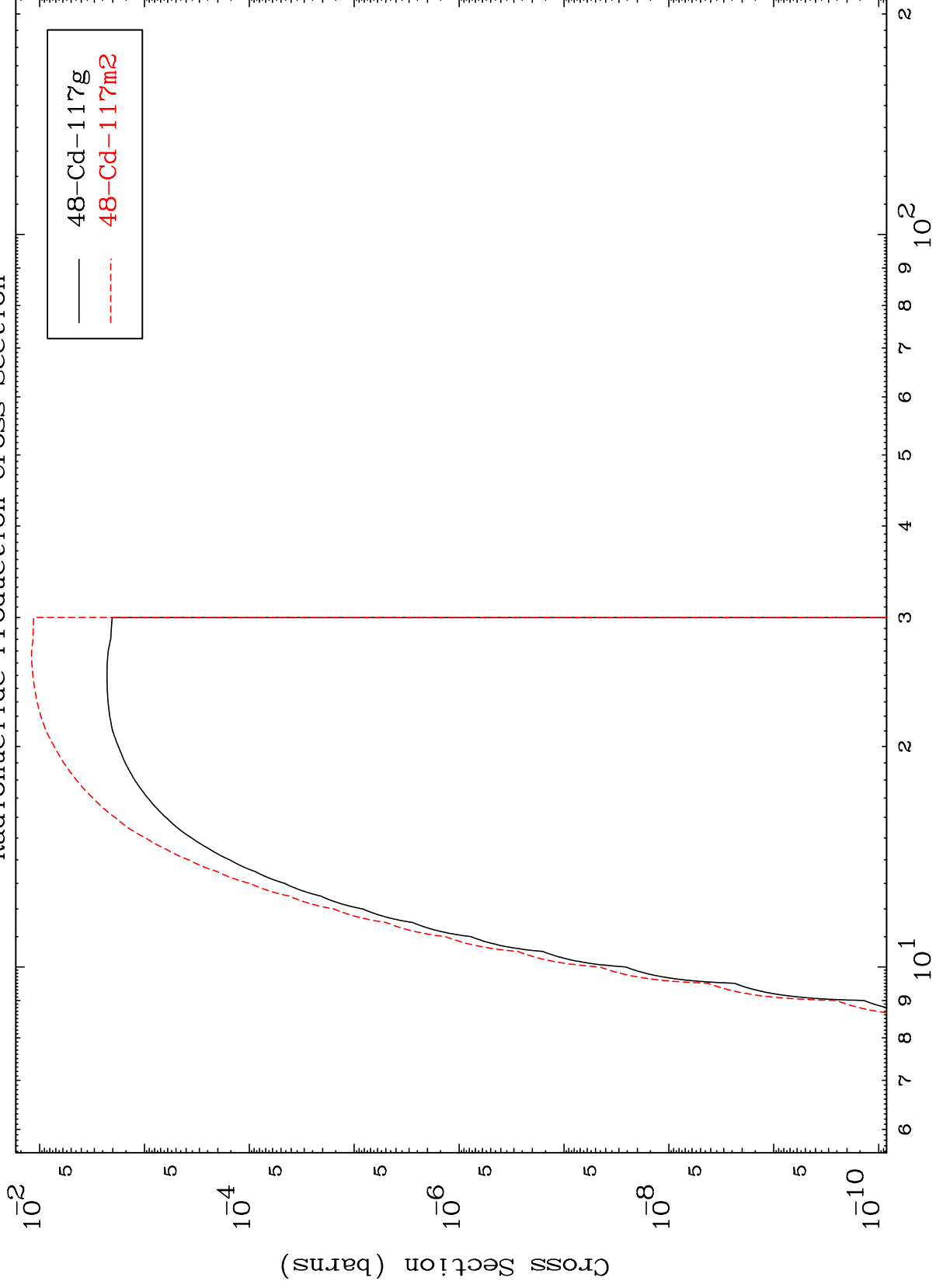
(n, γ)
Radionuclide Production Cross Section



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49-In-118

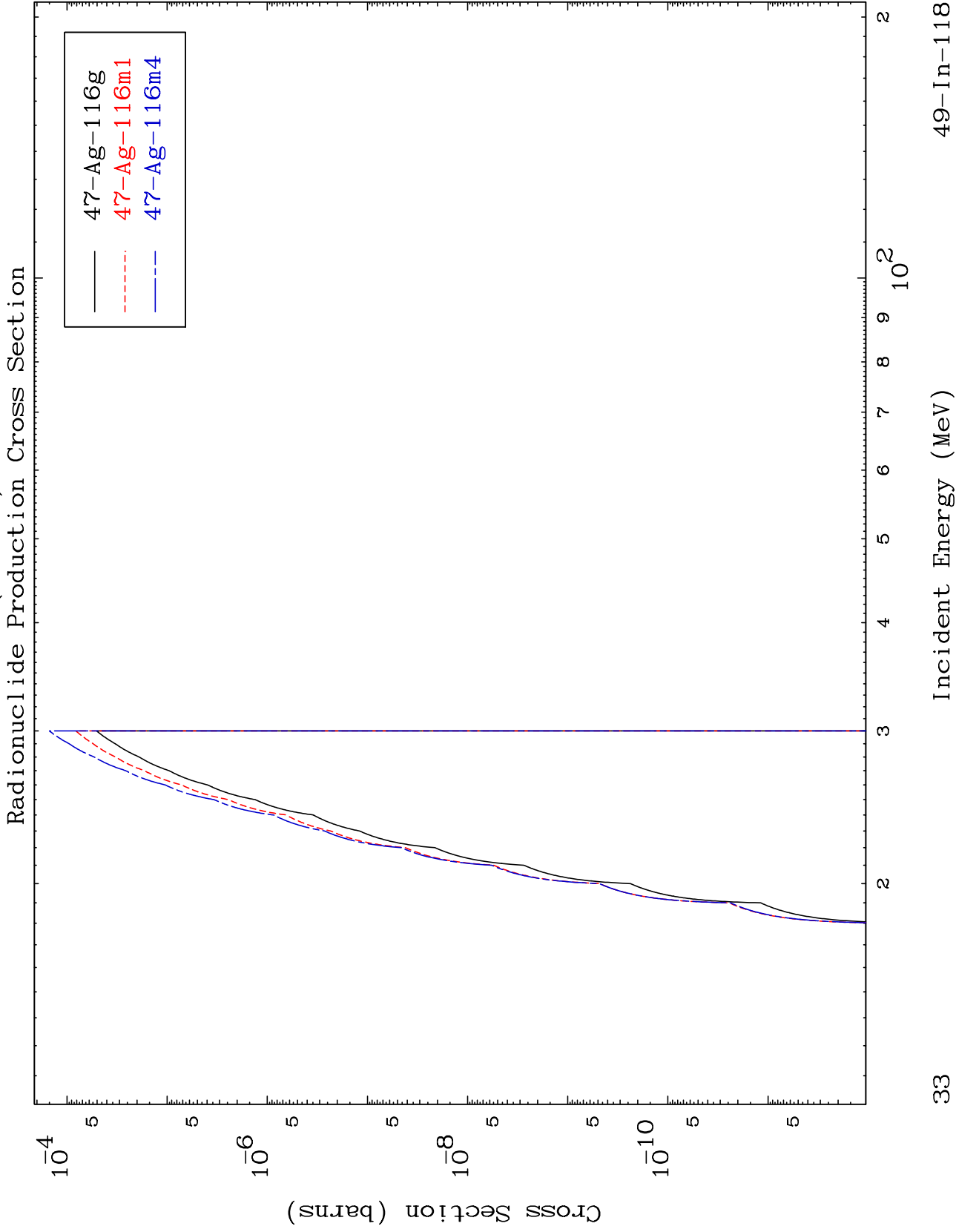
(n,d)
Radionuclide Production Cross Section



49-In-118

Incident Energy (MeV)

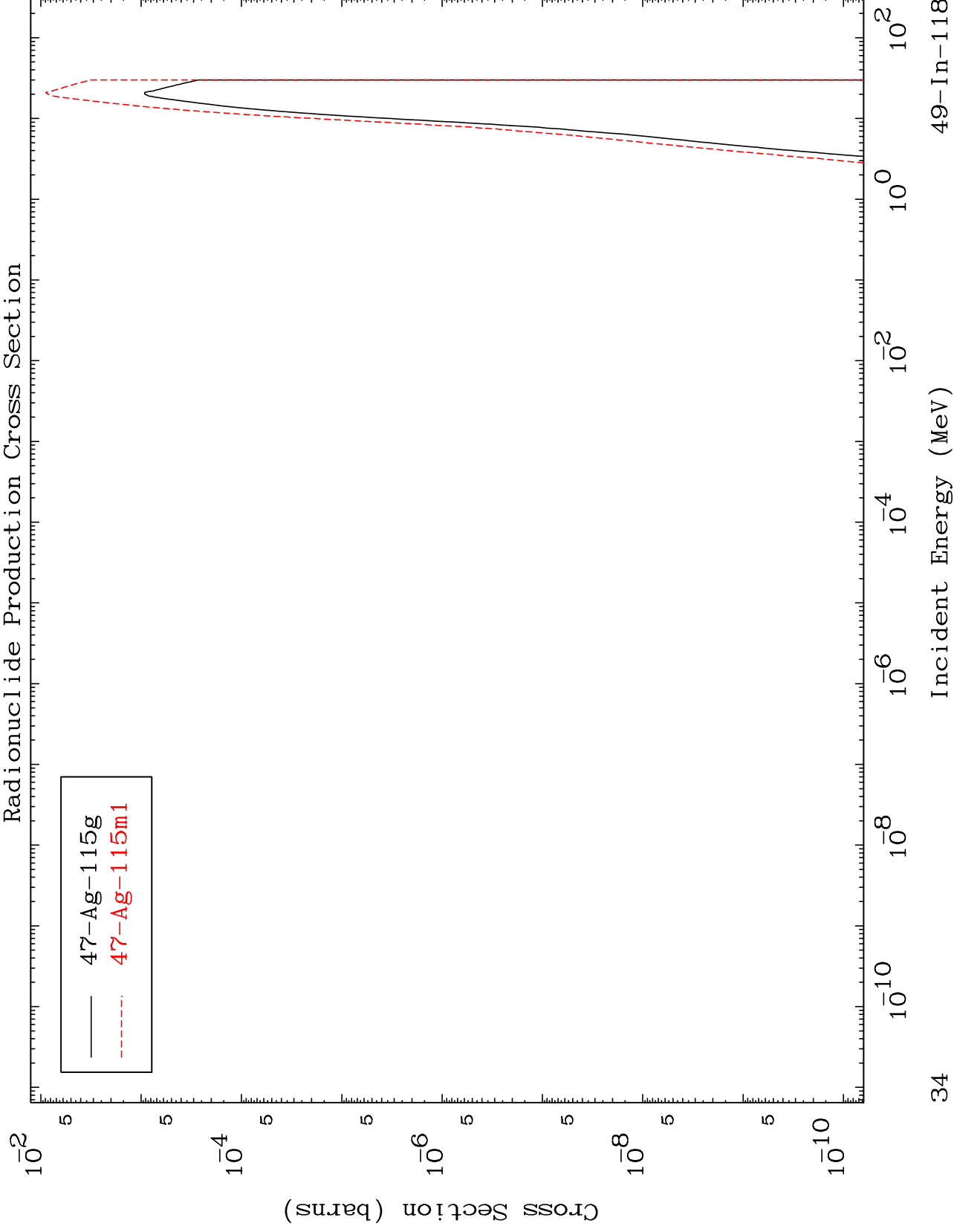
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49-In-118

Radionuclide Production Cross Section



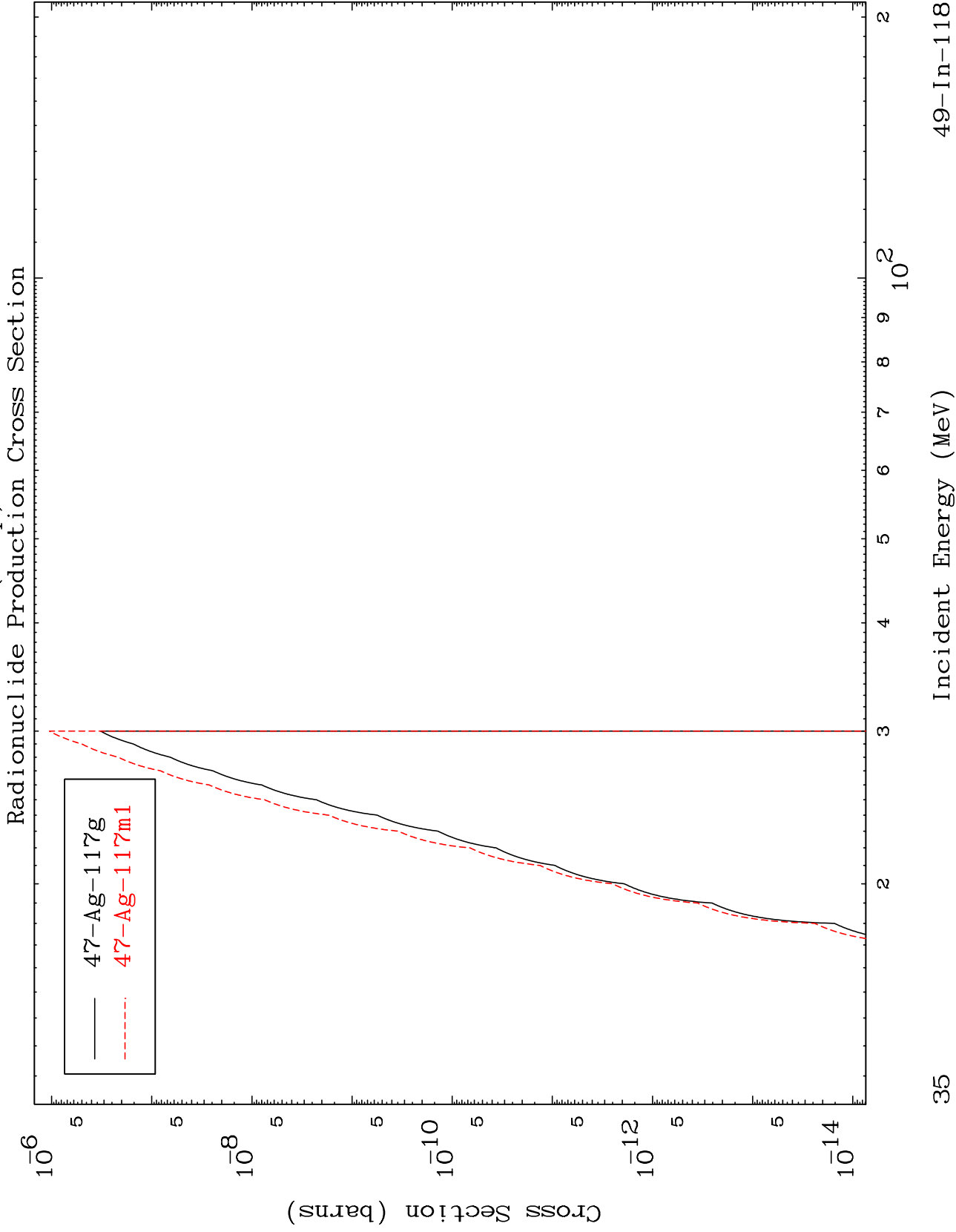
Incident Energy (MeV)

34

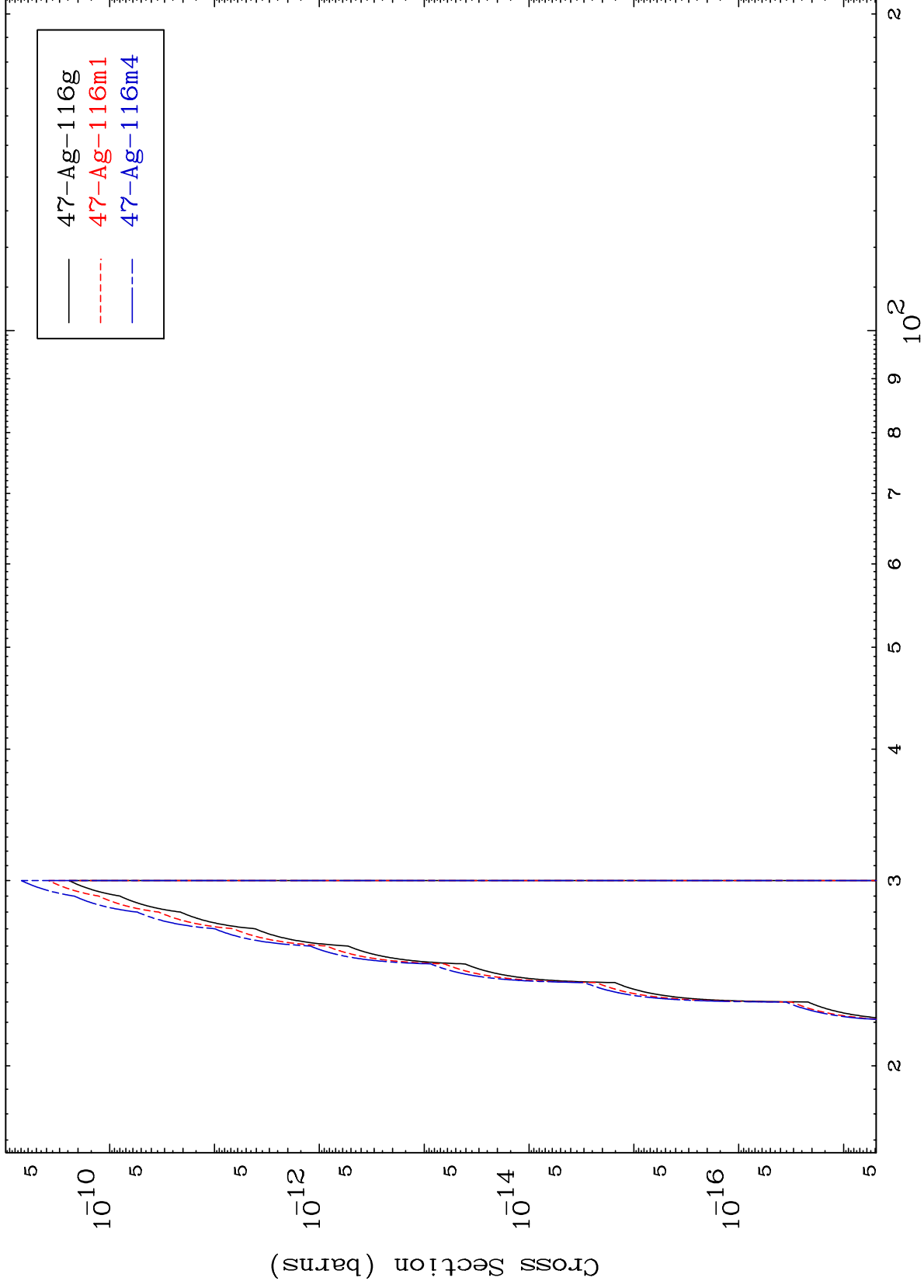
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(n,2p)

49-In-118



Radionuclide Production Cross Section



Radionuclide Production Cross Section

