

Program EVALPLOT
(Version 2017-1)

by

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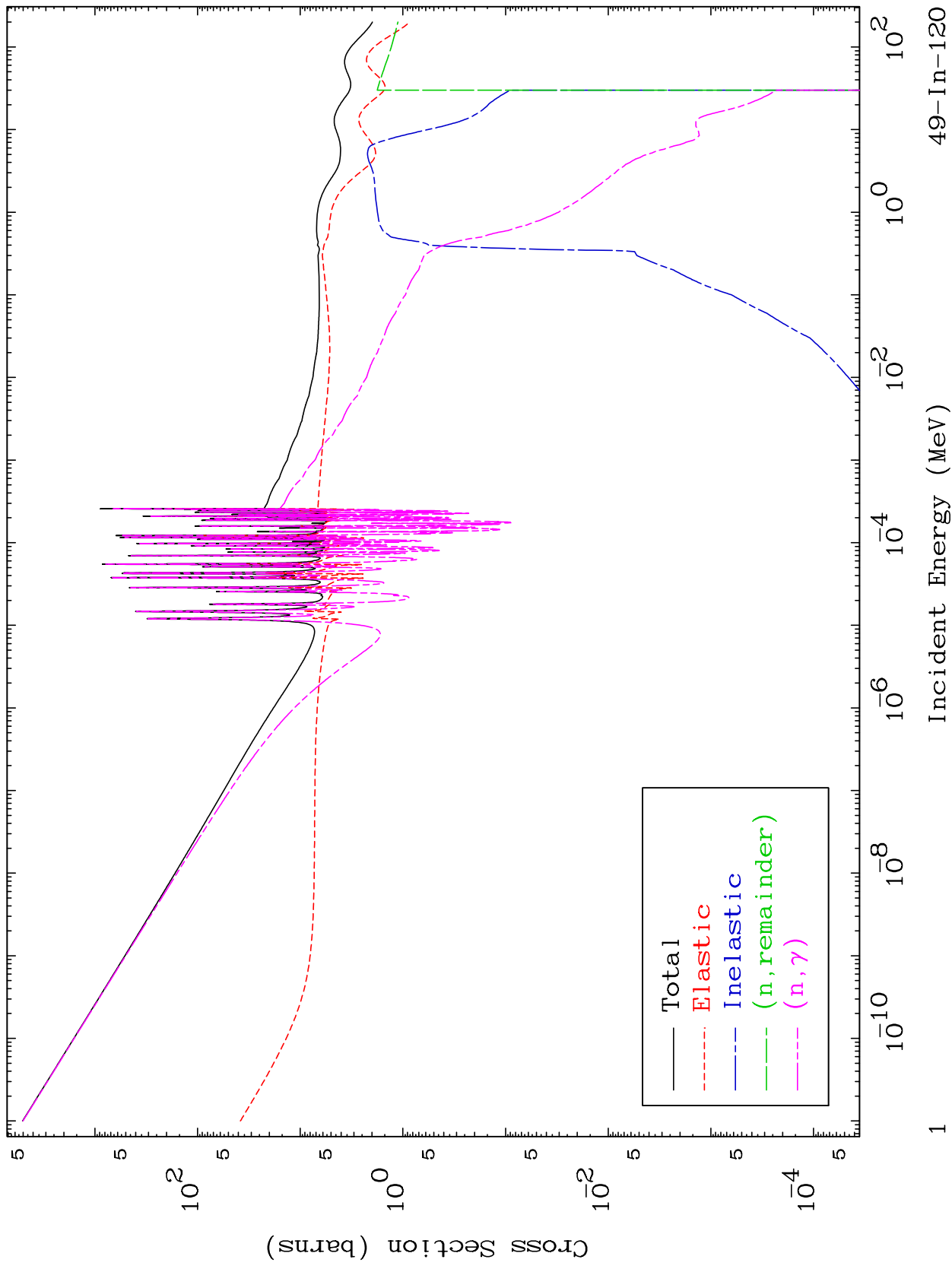
Press Mouse Button to Start

MAT 4947

Major

49-In-120

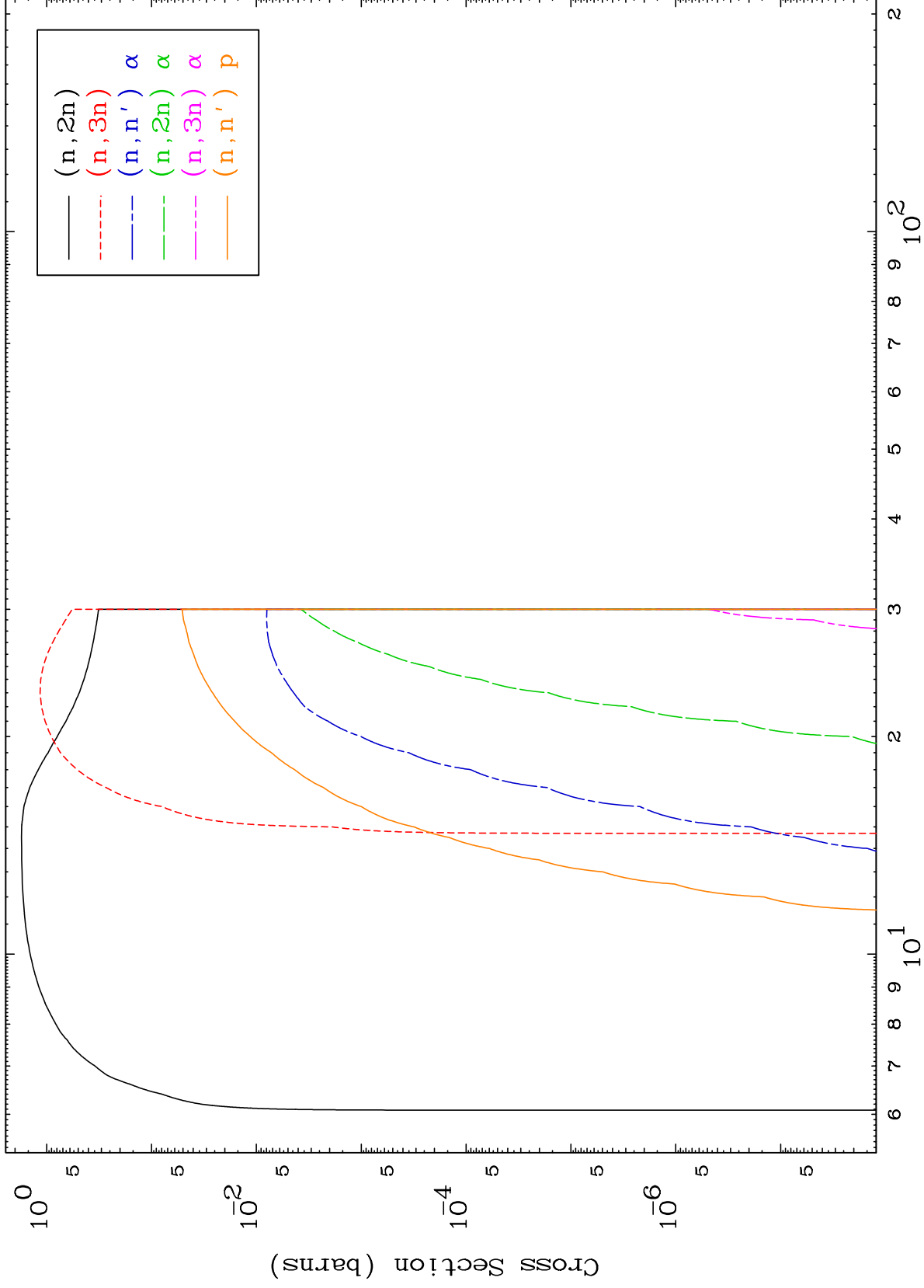
293 Kelvin Cross Sections



MAT 4947

Neutron Production
293 Kelvin Cross Sections

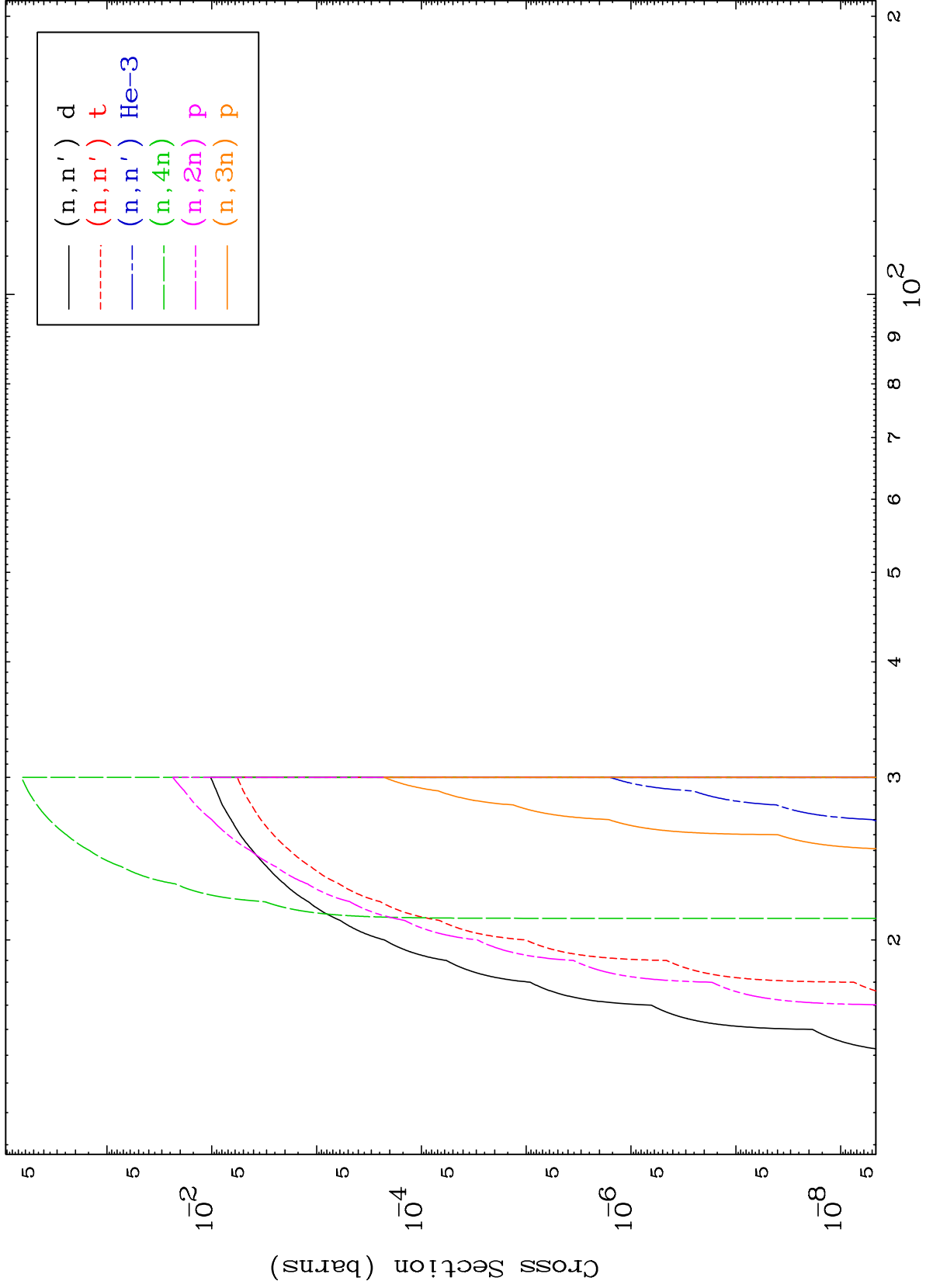
49-In-120



2

Incident Energy (MeV)

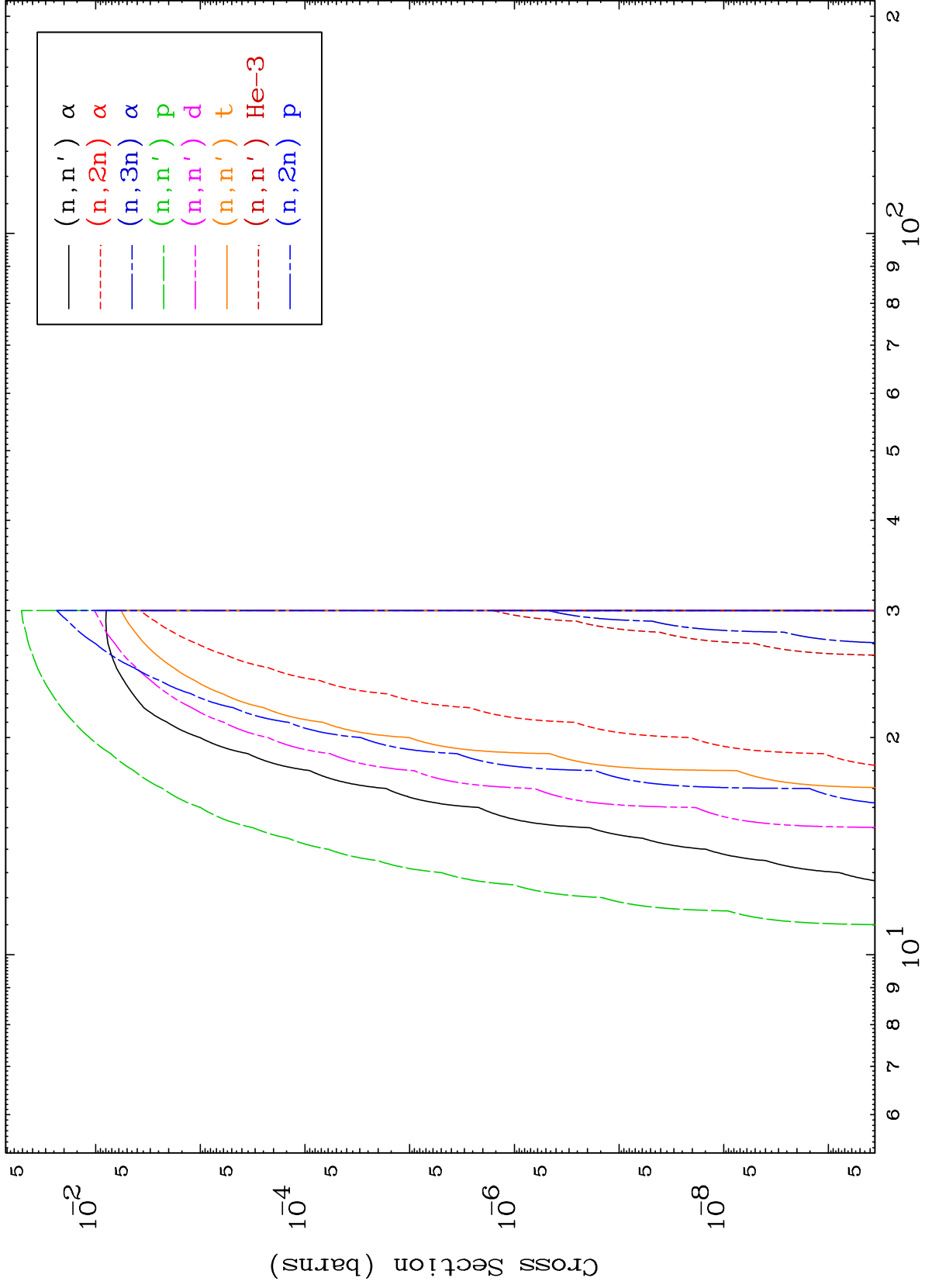
49-In-120



MAT 4947

Charged Particle
293 Kelvin Cross Sections

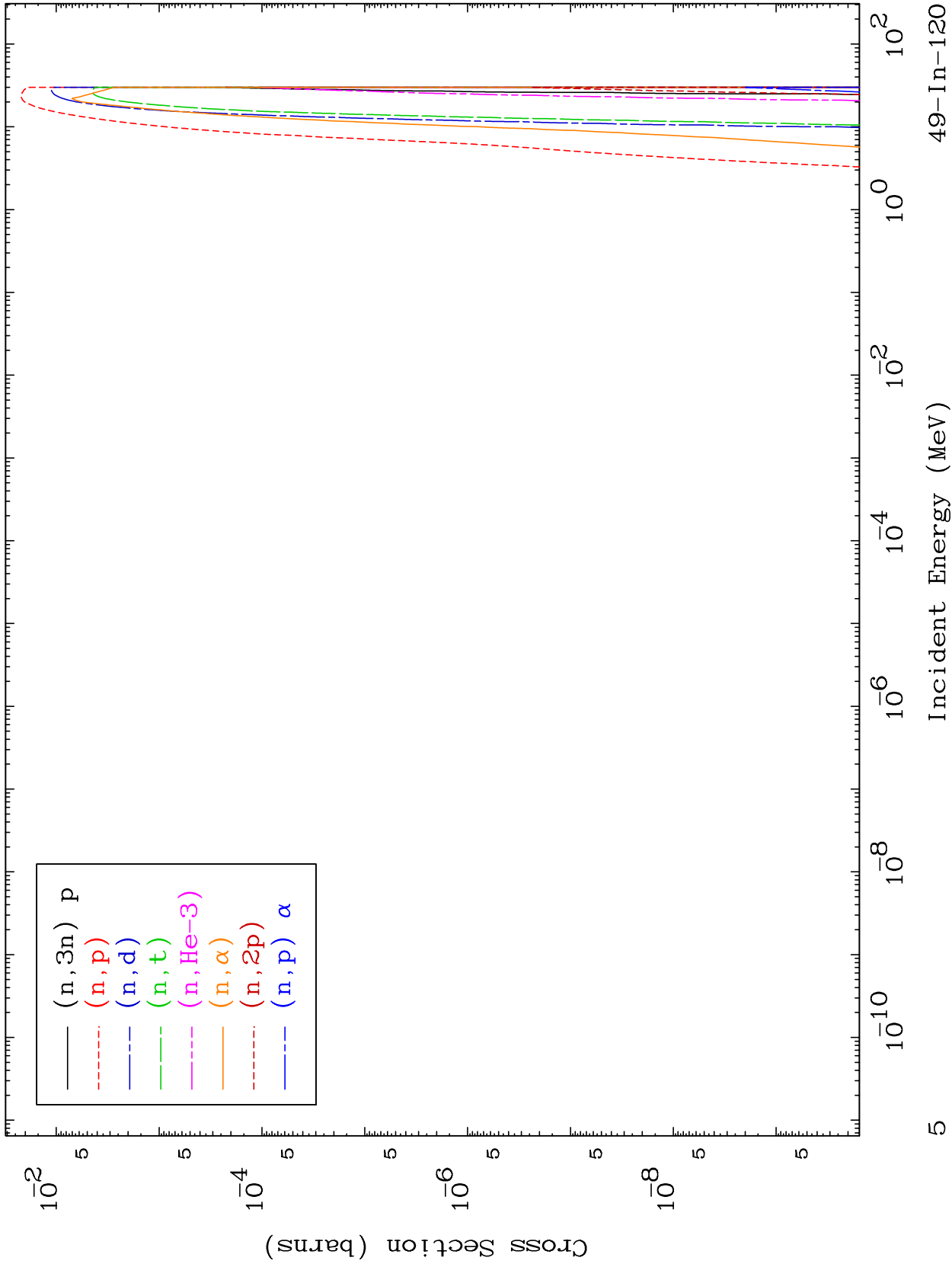
49-In-120



MAT 4947

Charged Particle
293 Kelvin Cross Sections

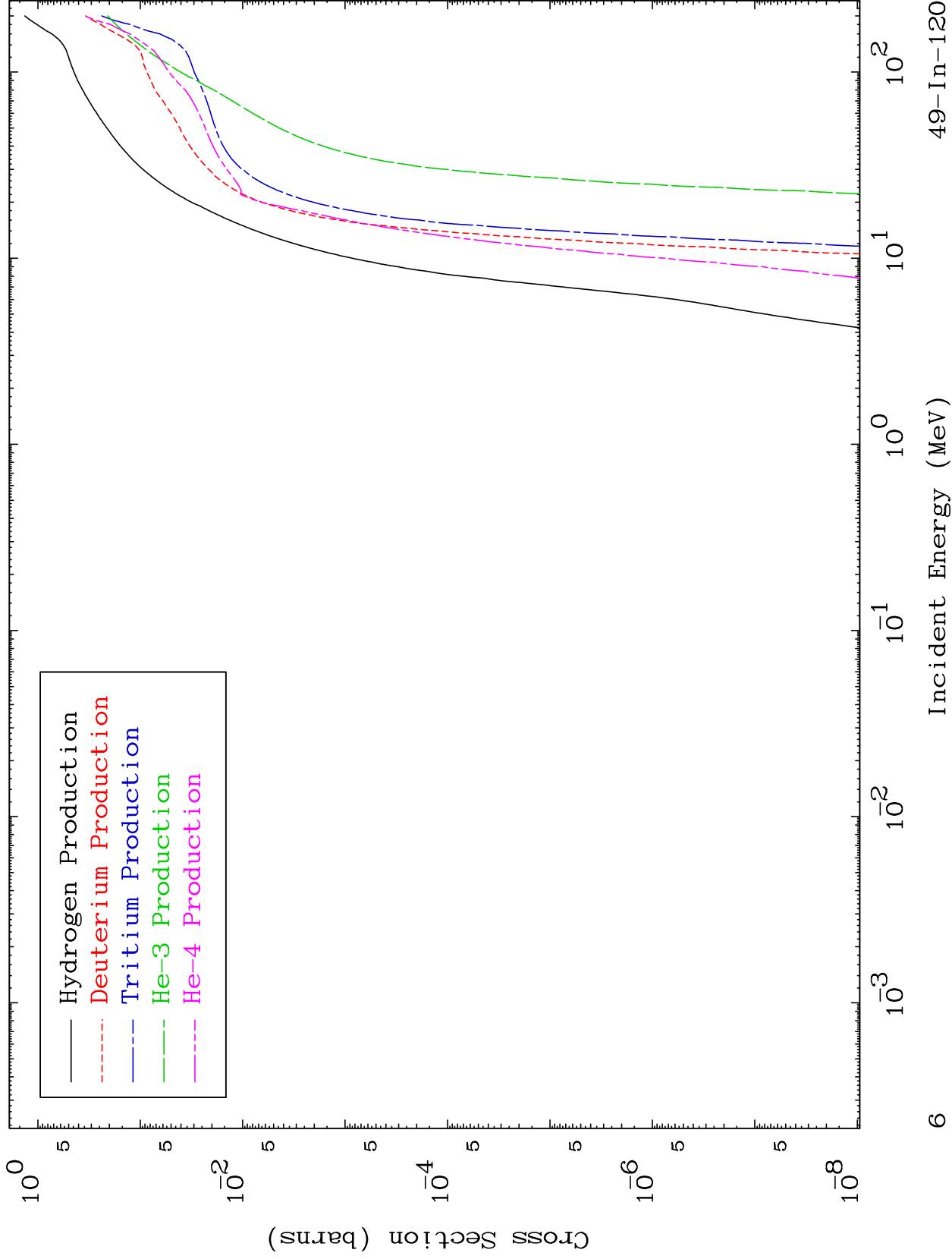
49-In-120



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Particle Production
293 Kelvin Cross Sections

49-In-120

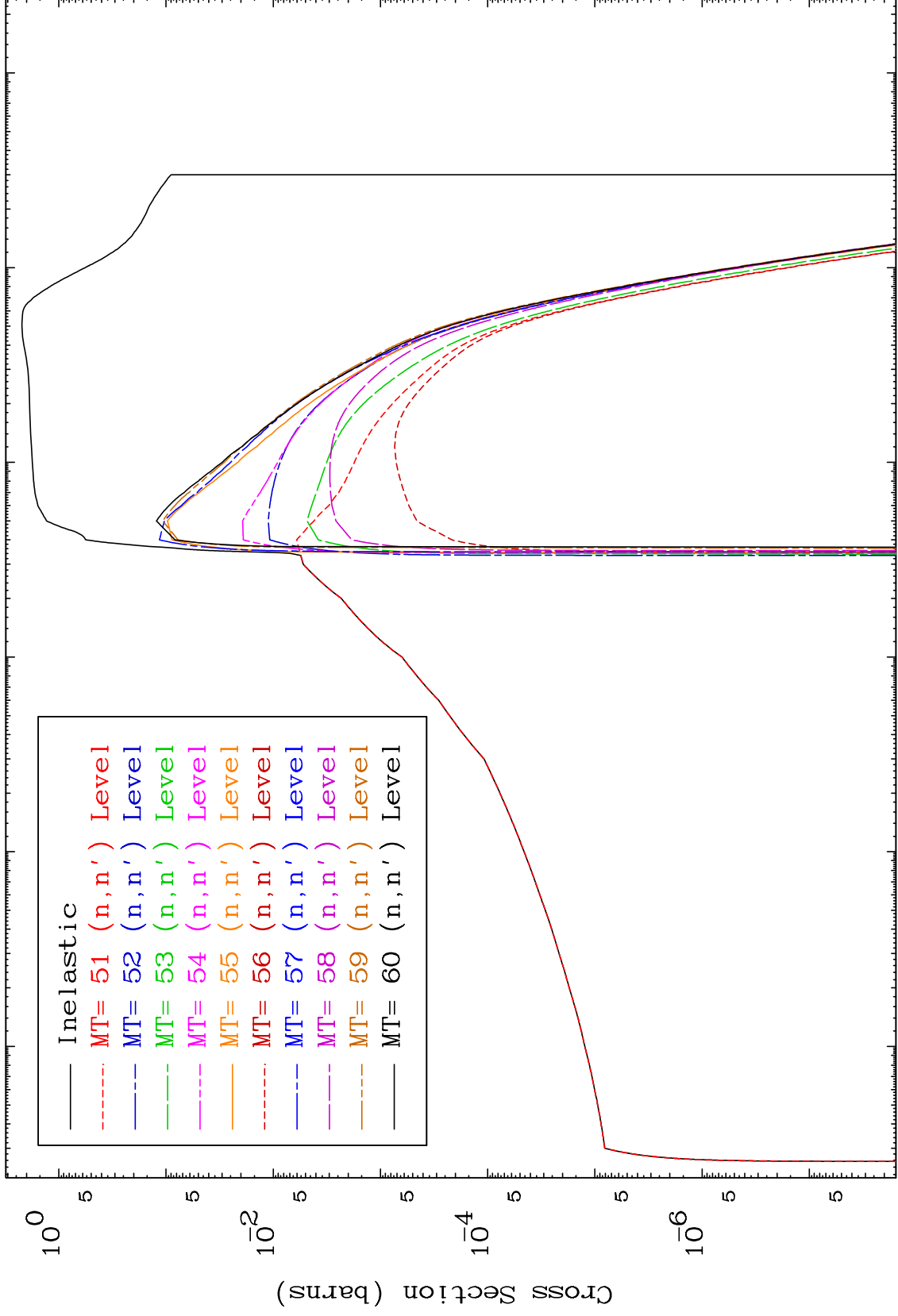


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(n,n') Level

49-In-120

293 Kelvin Cross Sections

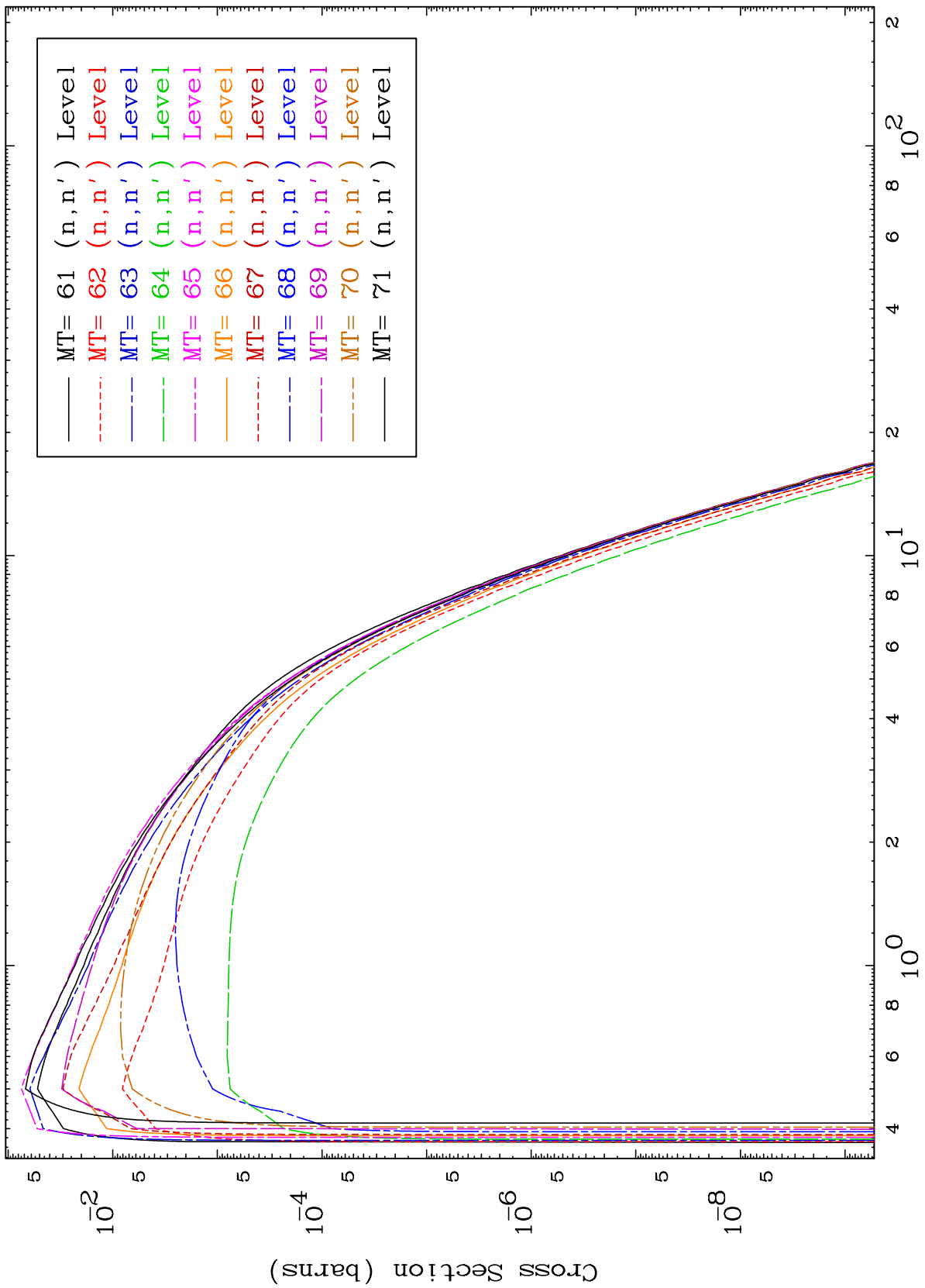


MAT 4947

(n,n') Level

293 Kelvin Cross Sections

49-In-120



8

Incident Energy (MeV)

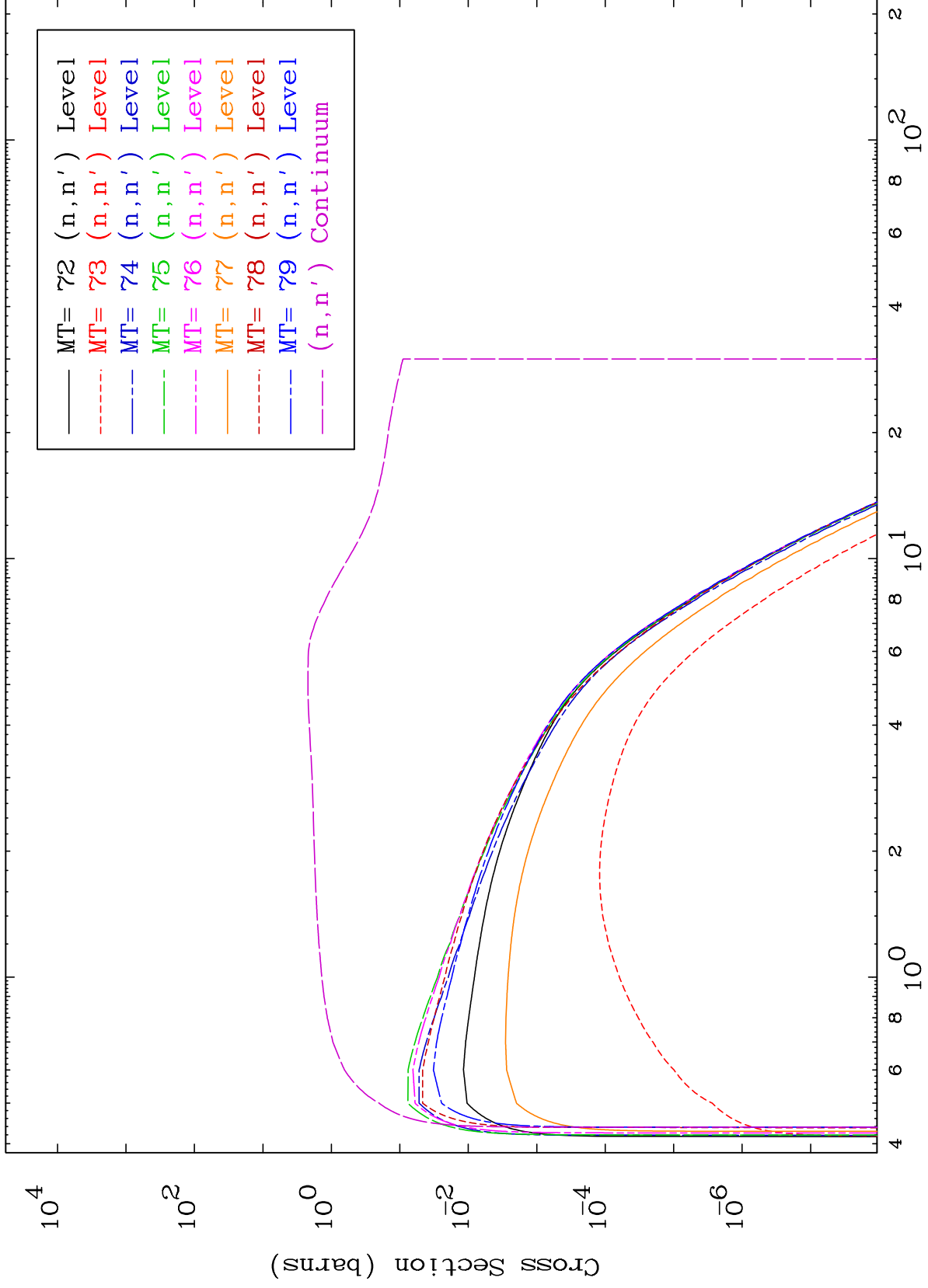
49-In-120

MAT 4947

(n,n') Level

293 Kelvin Cross Sections

49-In-120



9

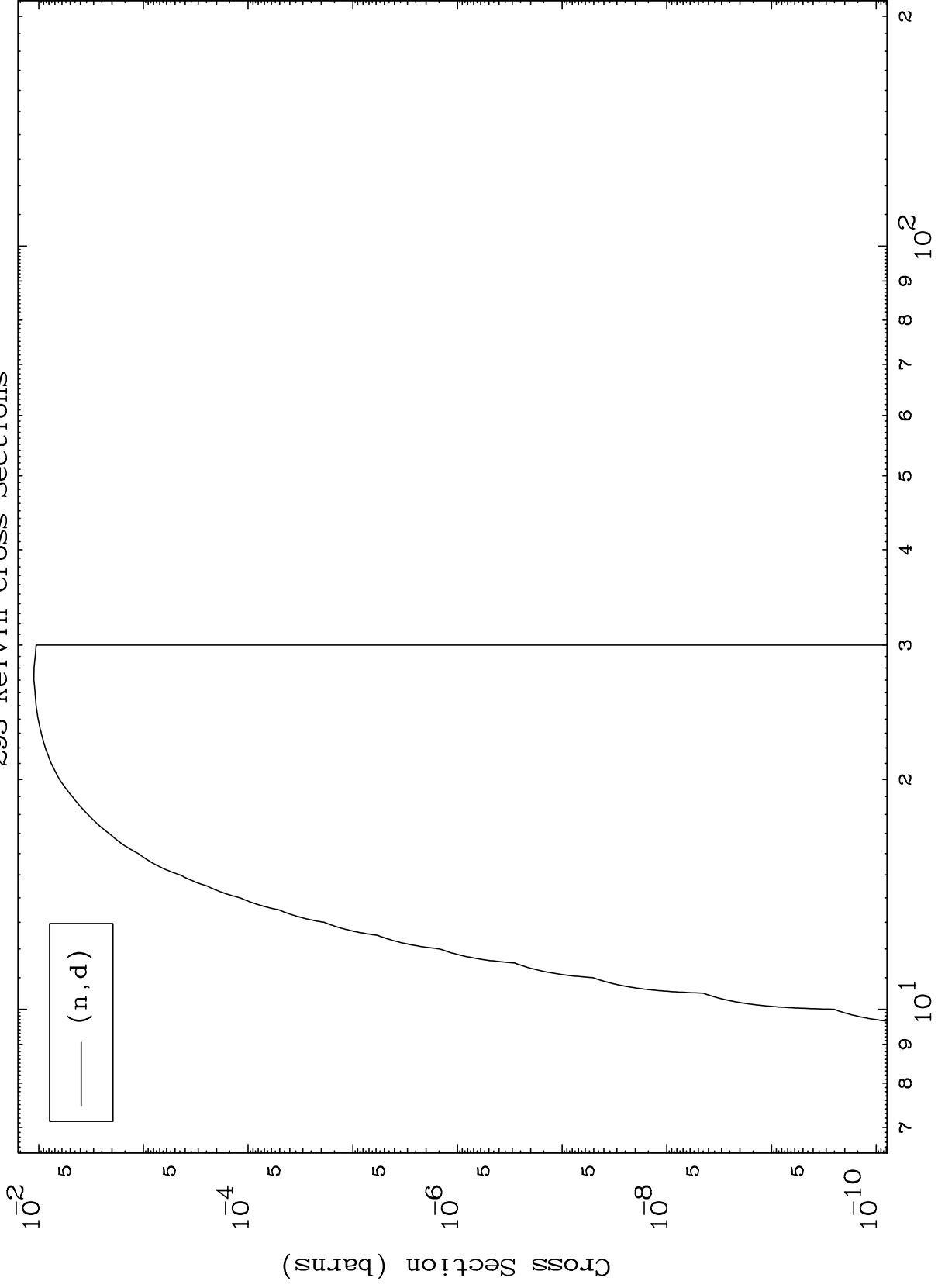
Incident Energy (MeV)

49-In-120

MAT 4947

(n,d) Levels
293 Kelvin Cross Sections

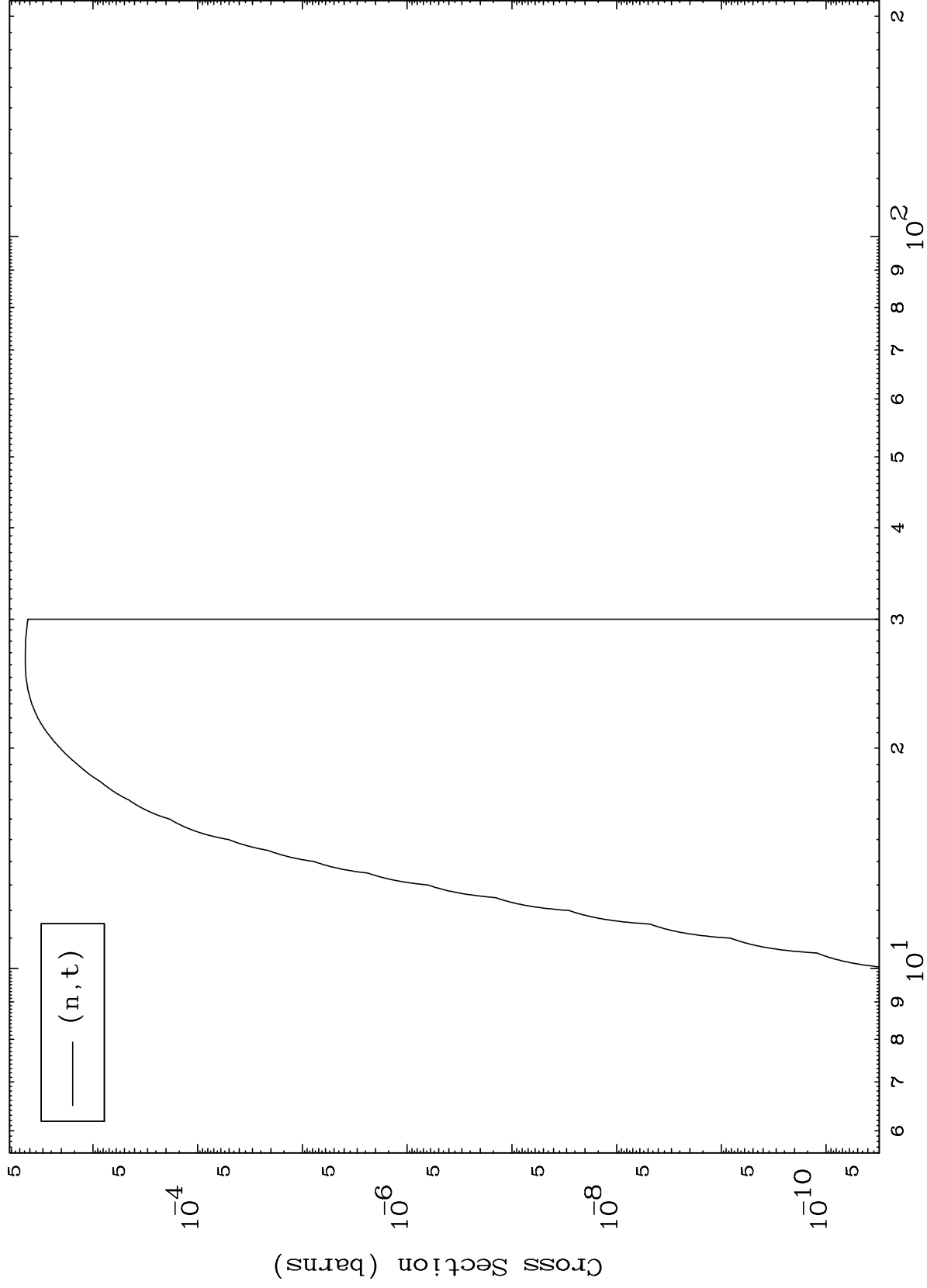
49-In-120



MAT 4947

(n,t) Levels
293 Kelvin Cross Sections

49-In-120



12

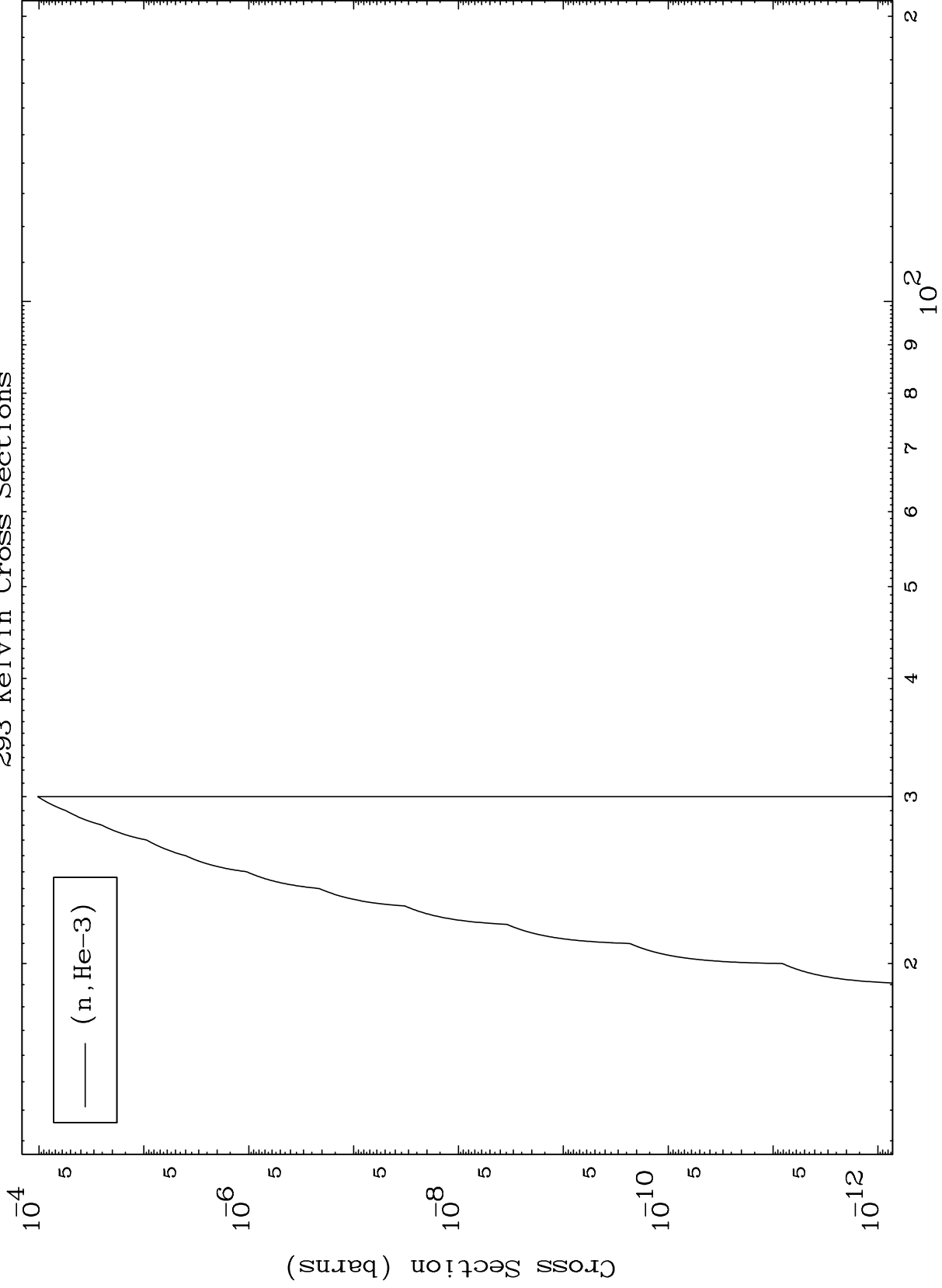
Incident Energy (MeV)

49-In-120

MAT 4947

(n,He3) Levels
293 Kelvin Cross Sections

49-In-120



13

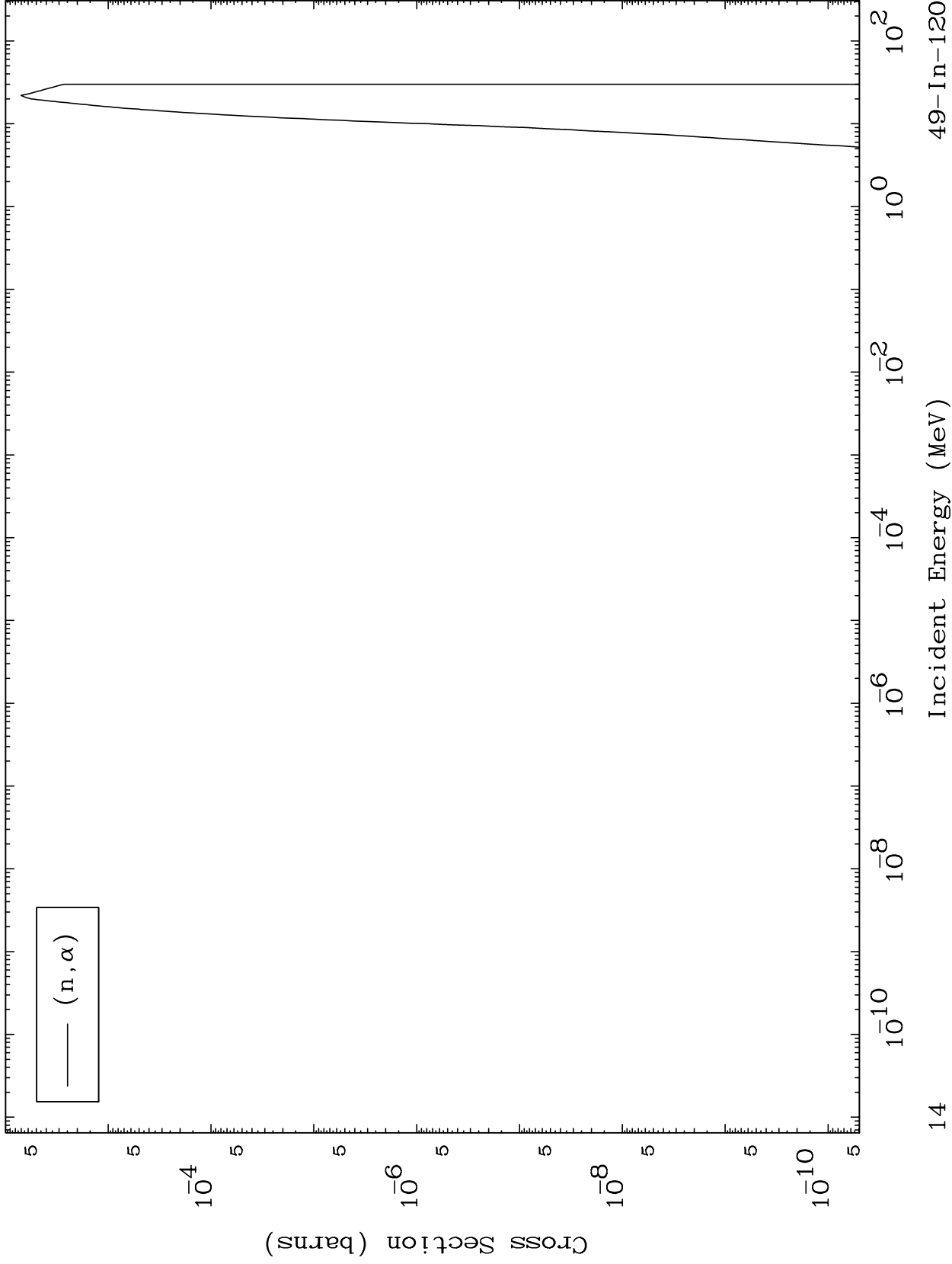
Incident Energy (MeV)

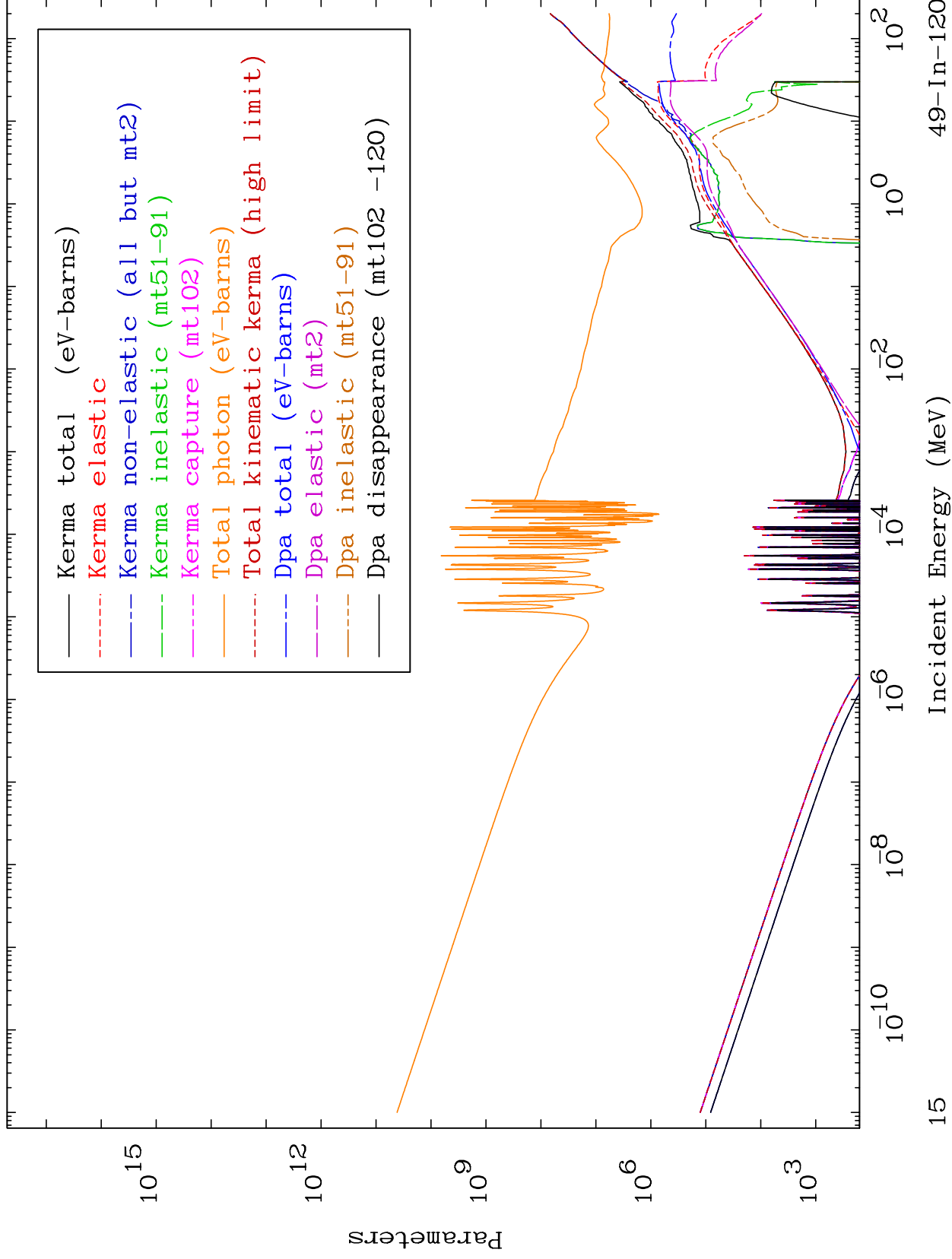
49-In-120

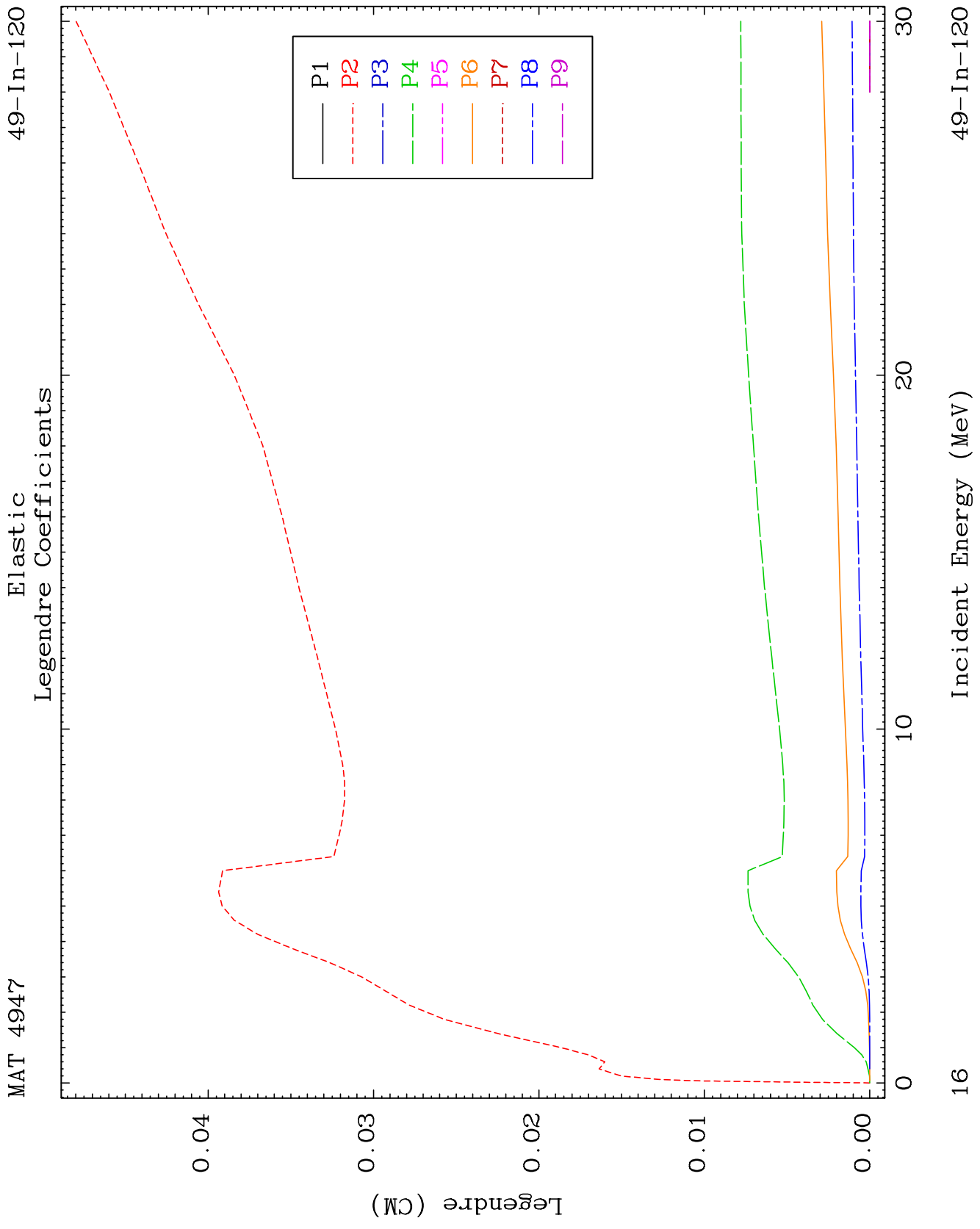
MAT 4947

(n, α) Levels
293 Kelvin Cross Sections

49-In-120



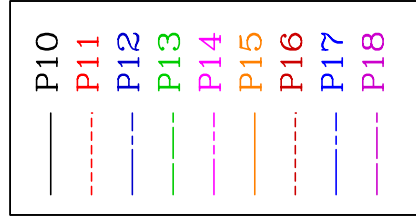




MAT 4947

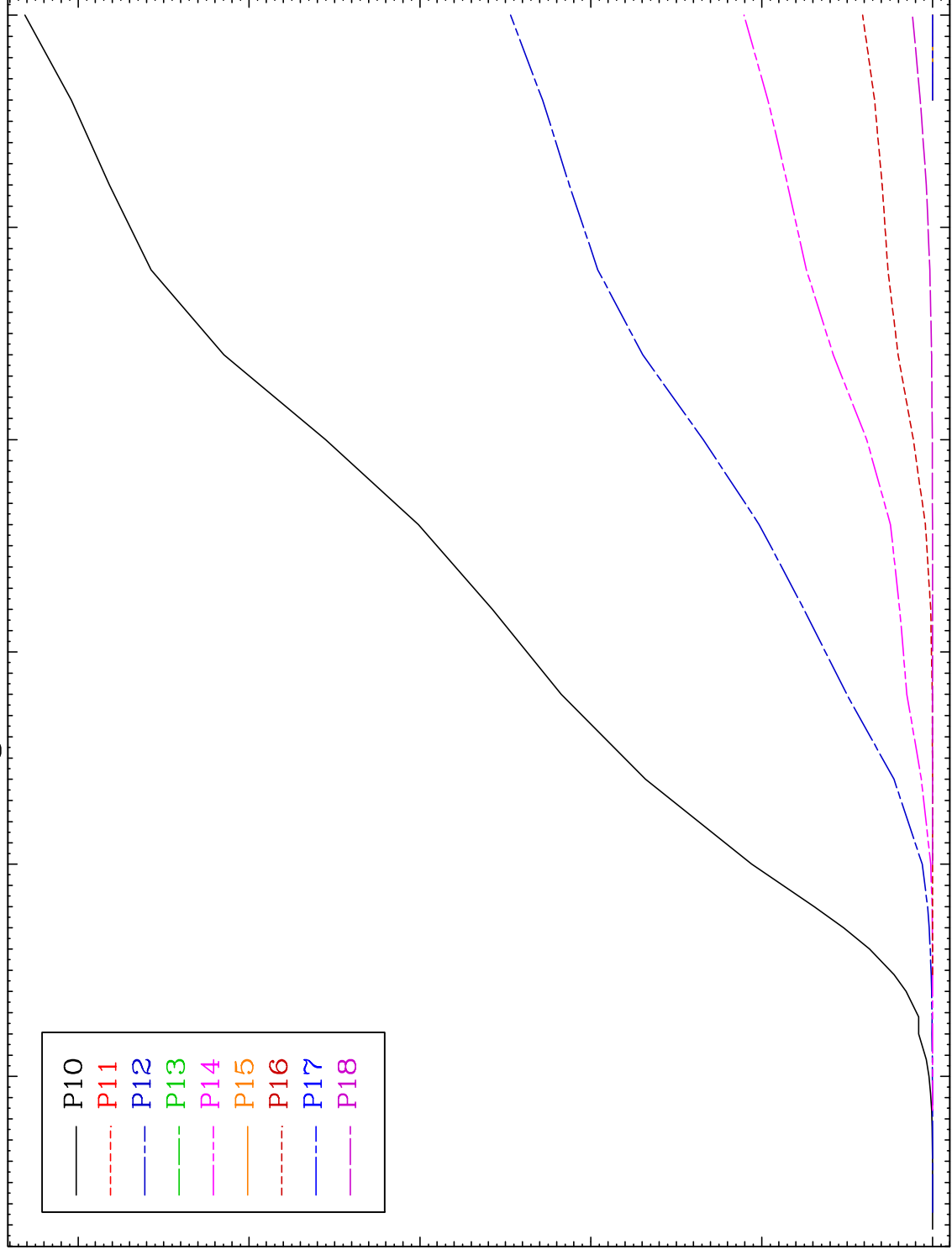
Elastic Legendre Coefficients

49-In-120



$\times 10^{-4}$

Legendre (CM)



17

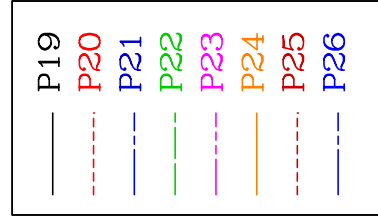
Incident Energy (MeV)

49-In-120

MAT 4947

Elastic
Legendre Coefficients

49-In-120



$\times 10^{-7}$

Legendre (CM)

4

2

0

15

20

25

30

18

Incident Energy (MeV)

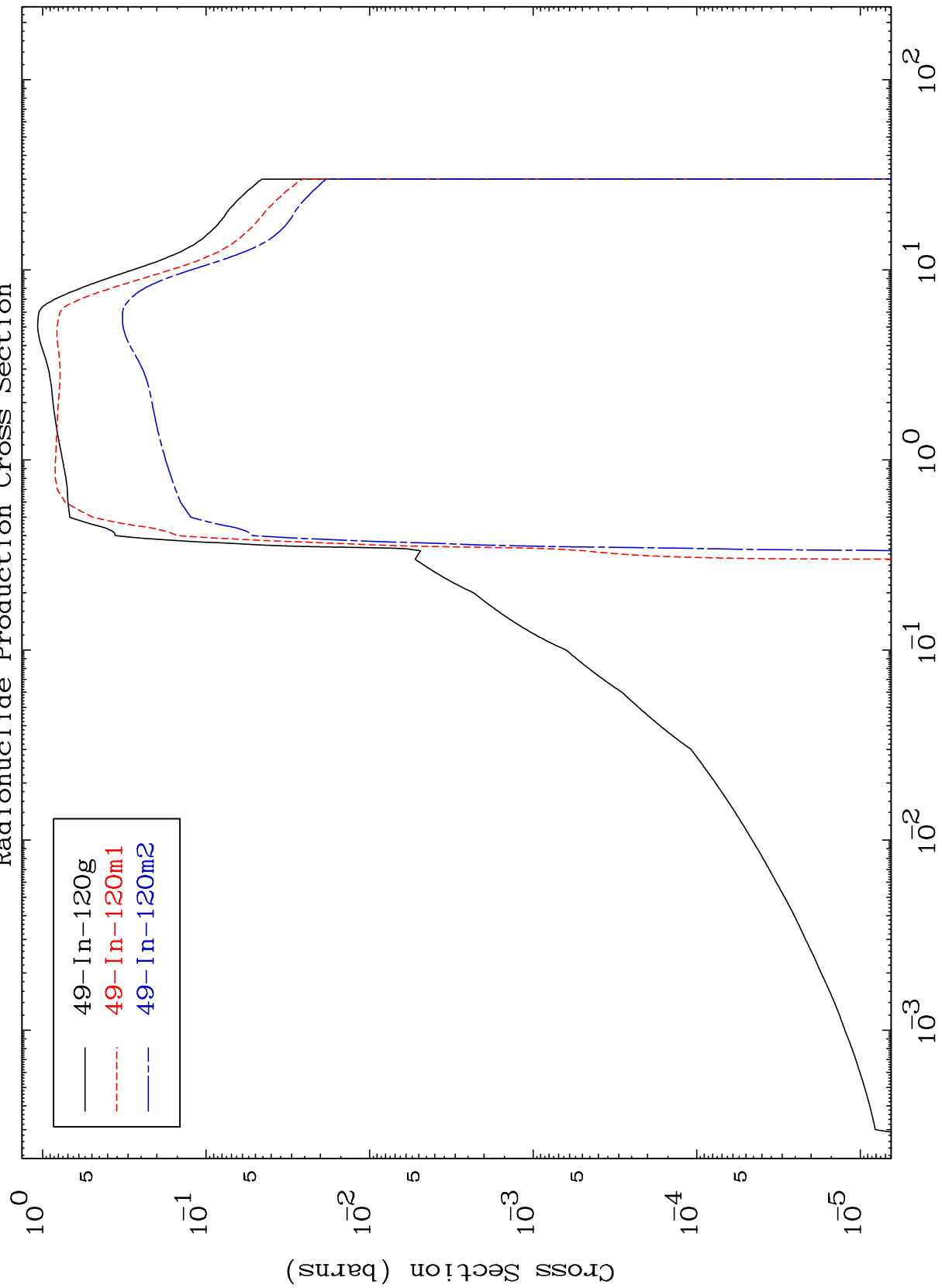
49-In-120



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49-In-120

Inelastic
Radionuclide Production Cross Section



19

49-In-120

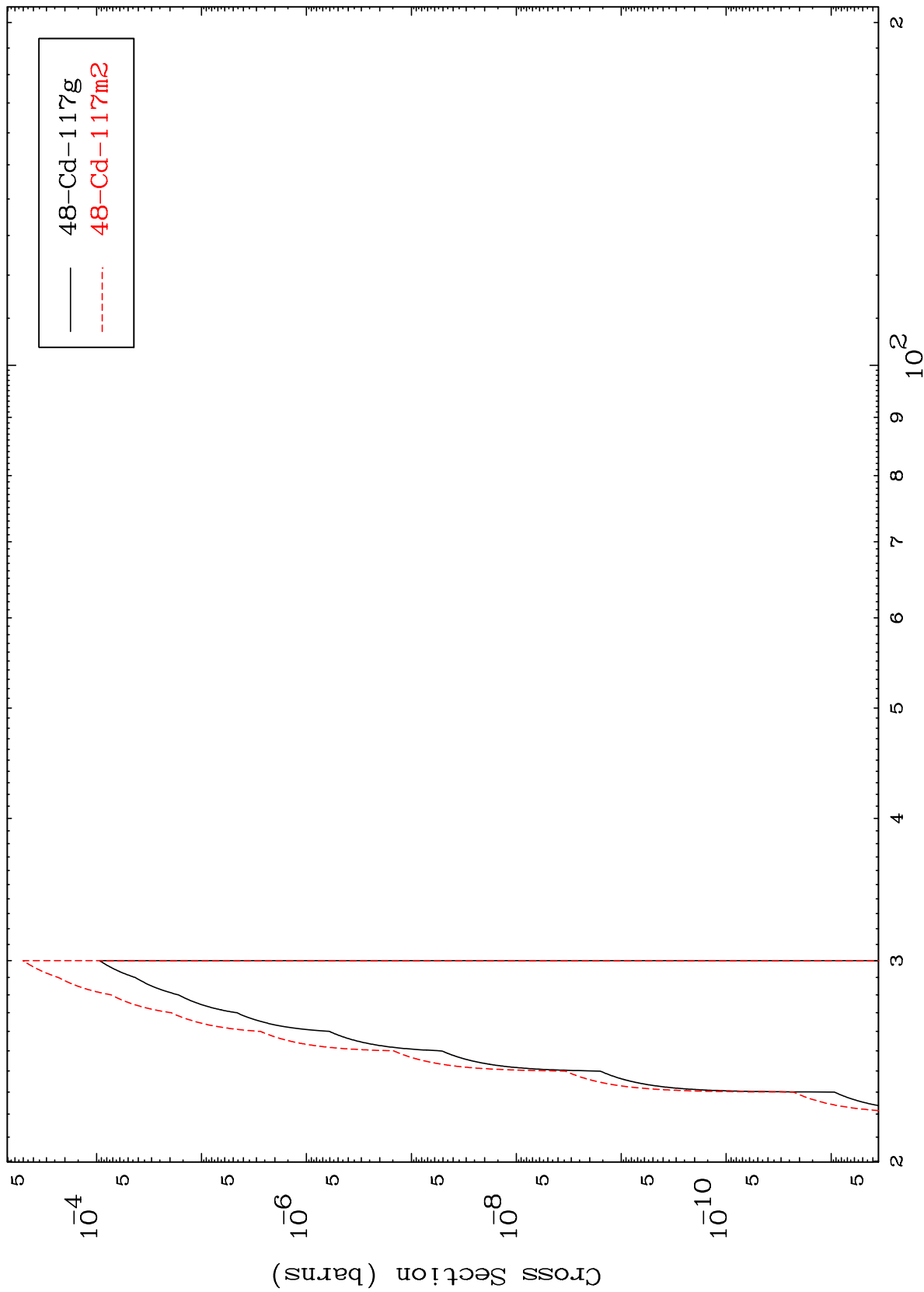
Incident Energy (MeV)

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(n,2n) d

49-In-120

Radionuclide Production Cross Section



20

Incident Energy (MeV)

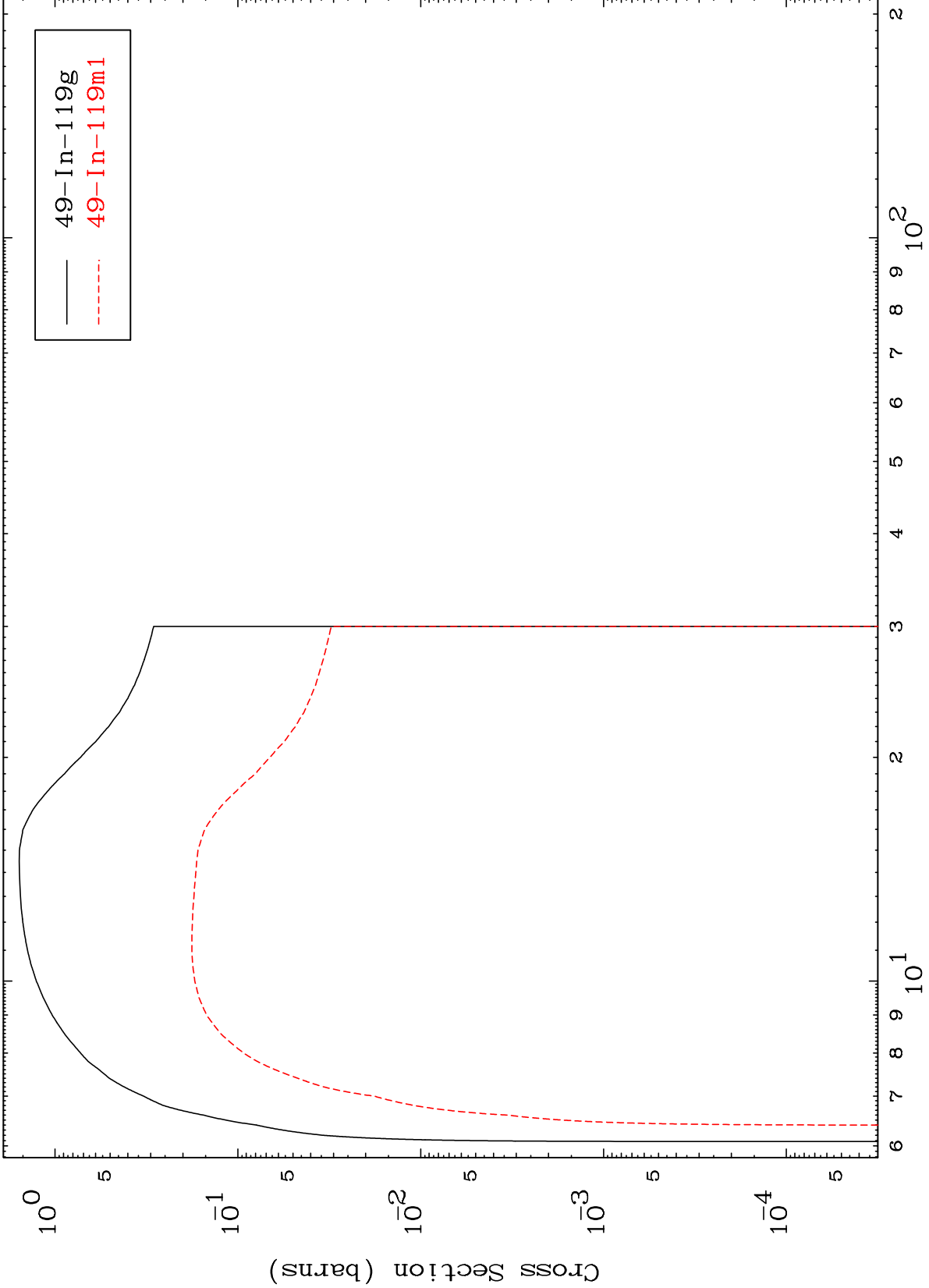
49-In-120

MAT 4947

(n,2n)

49-In-120

Radionuclide Production Cross Section

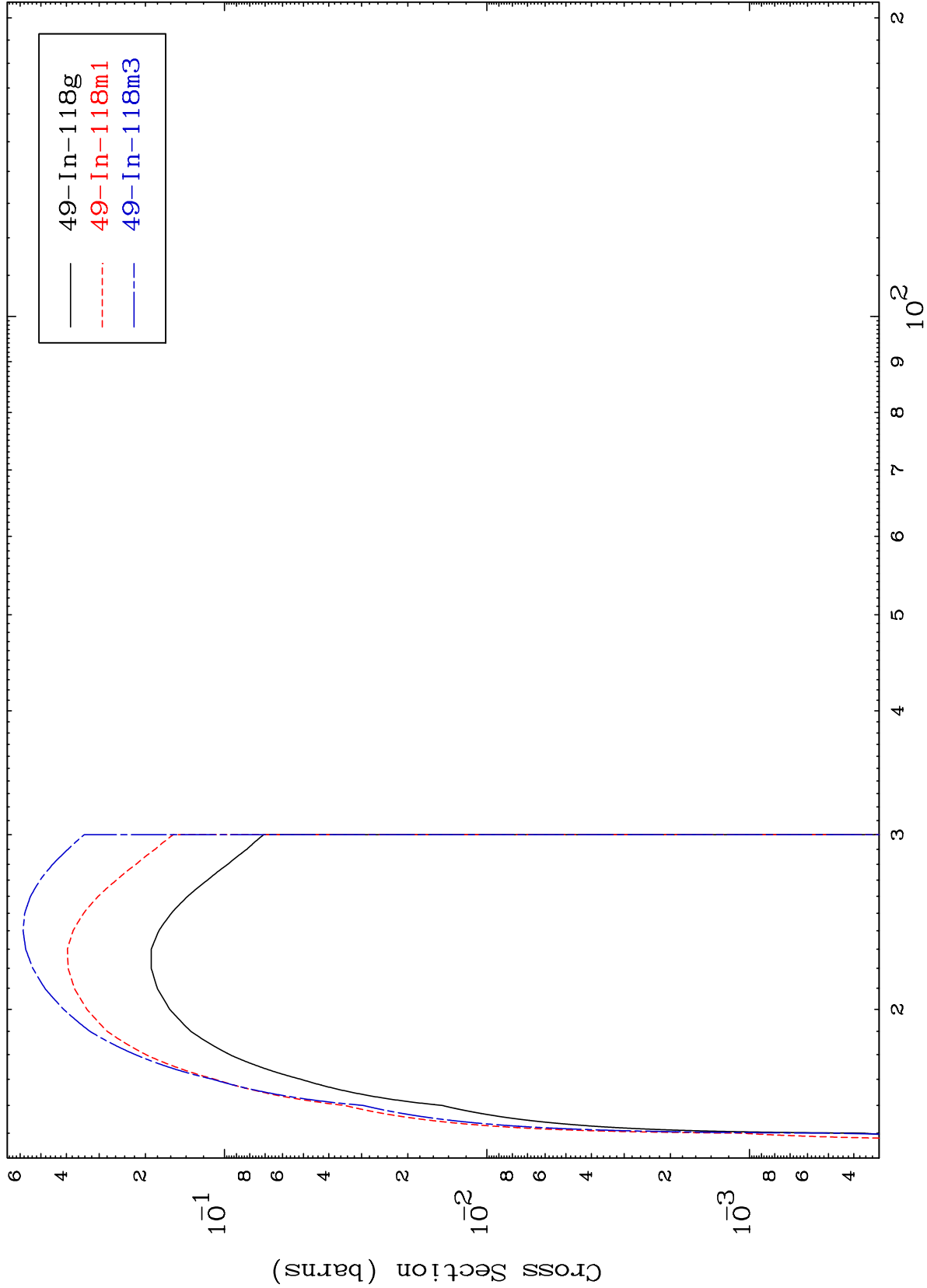


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(n,3n)

49-In-120

Radionuclide Production Cross Section



22

Incident Energy (MeV)

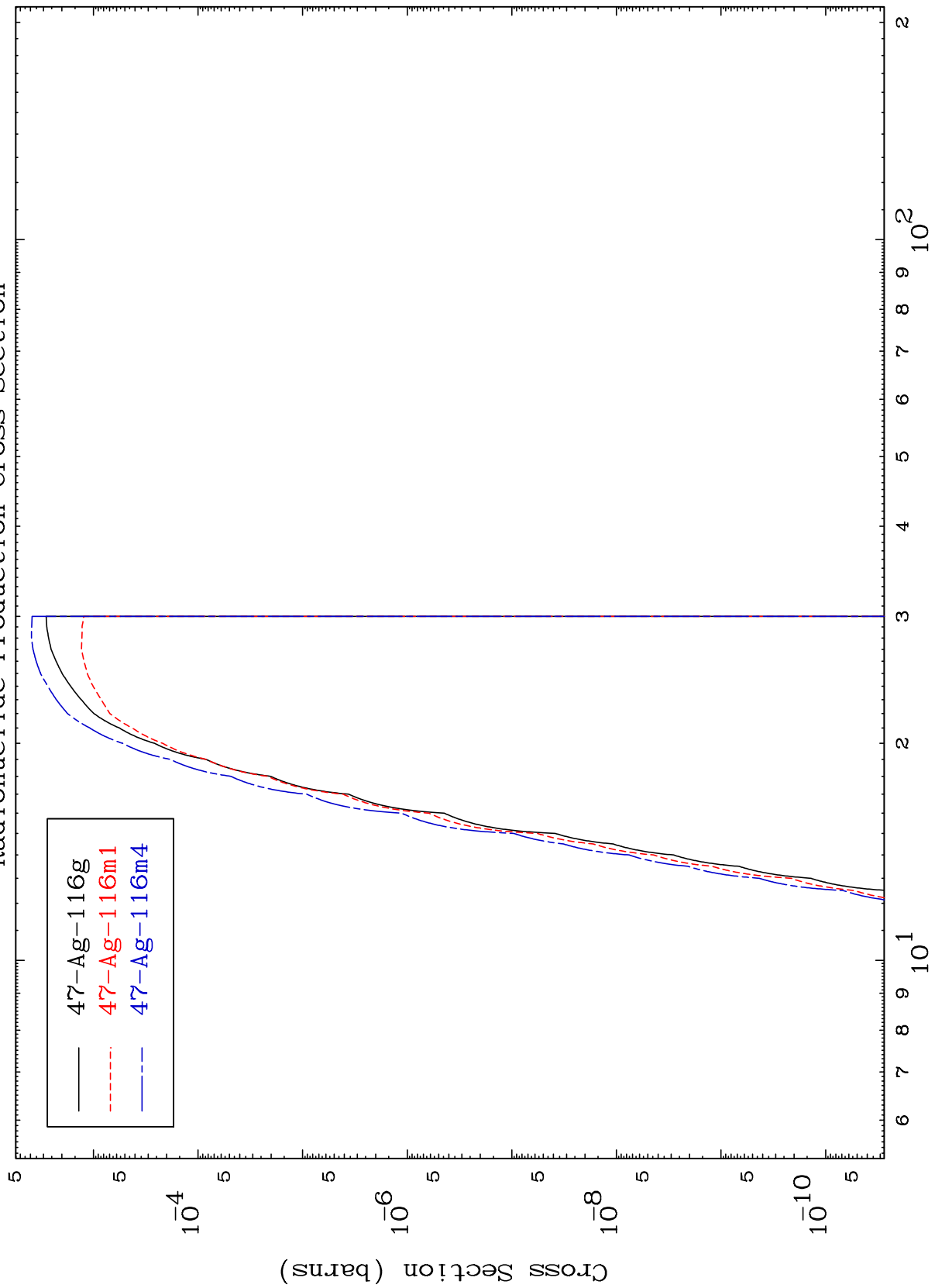
49-In-120

MAT 4947

49-In-120

(n,n') α

Radionuclide Production Cross Section



49-In-120

Incident Energy (MeV)

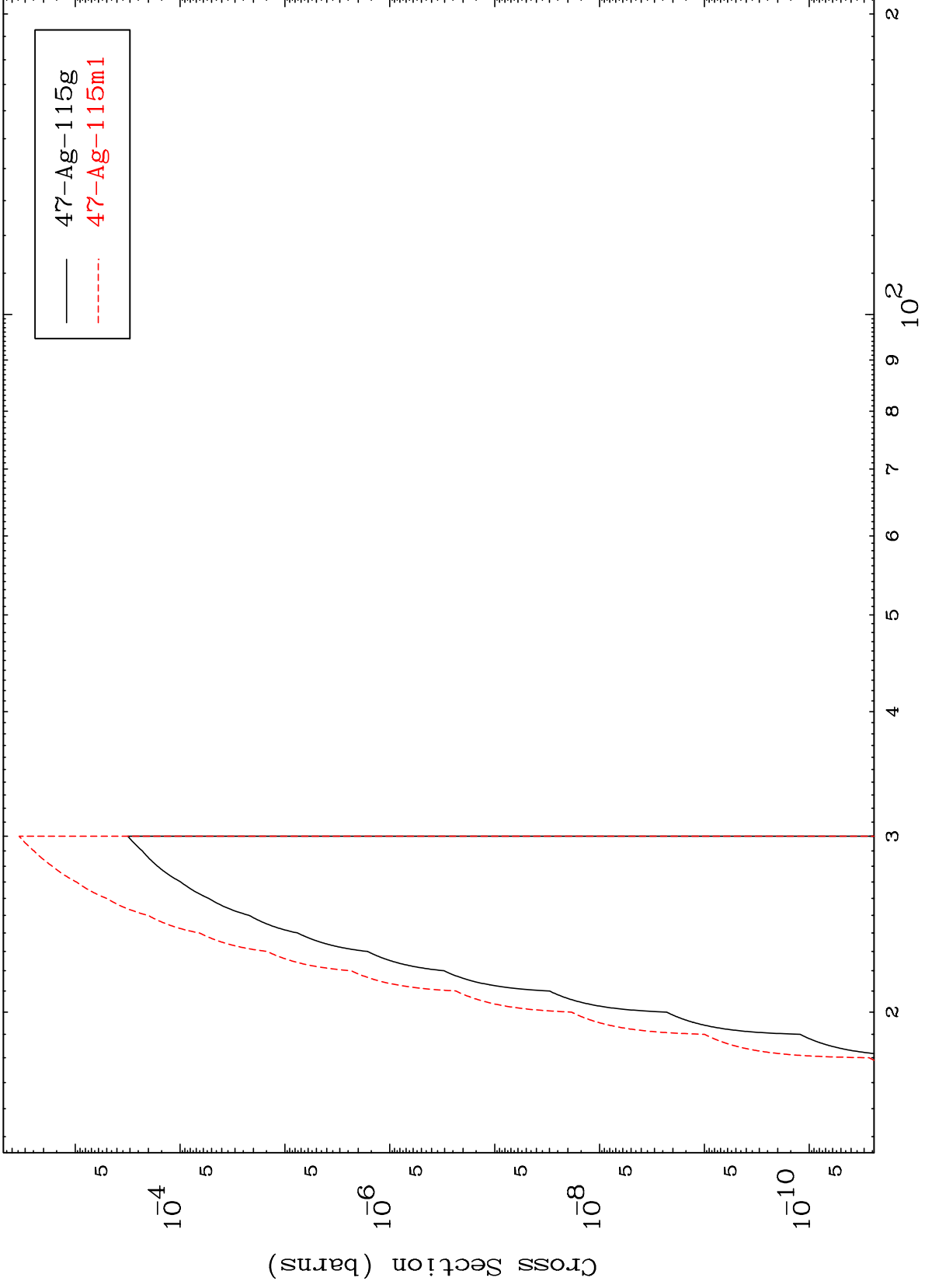
23

MAT 4947

$(n,2n) \alpha$

49-In-120

Radionuclide Production Cross Section



24

Incident Energy (MeV)

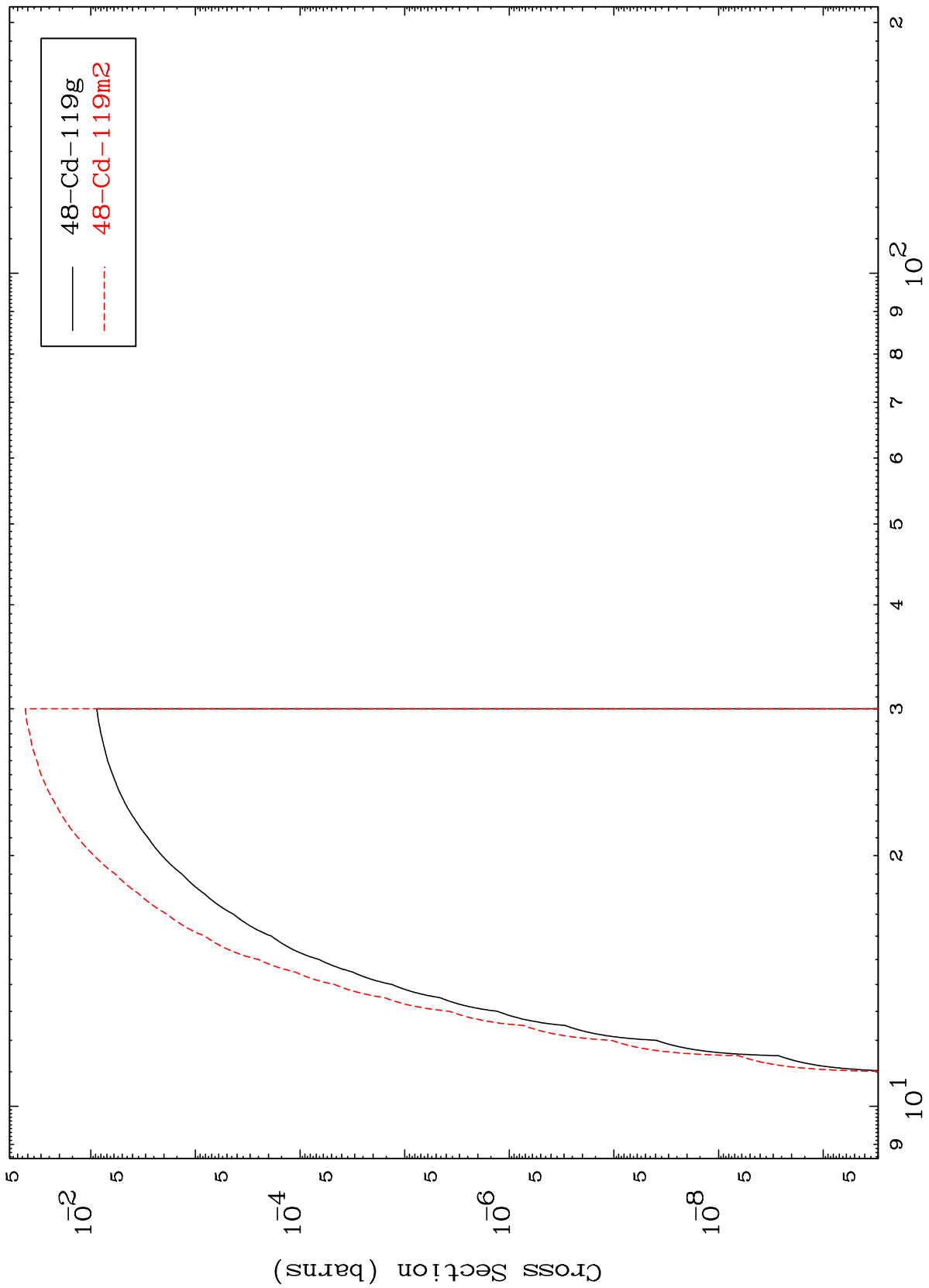
49-In-120

MAT 4947

(n,n') p

49-In-120

Radionuclide Production Cross Section



25

Incident Energy (MeV)

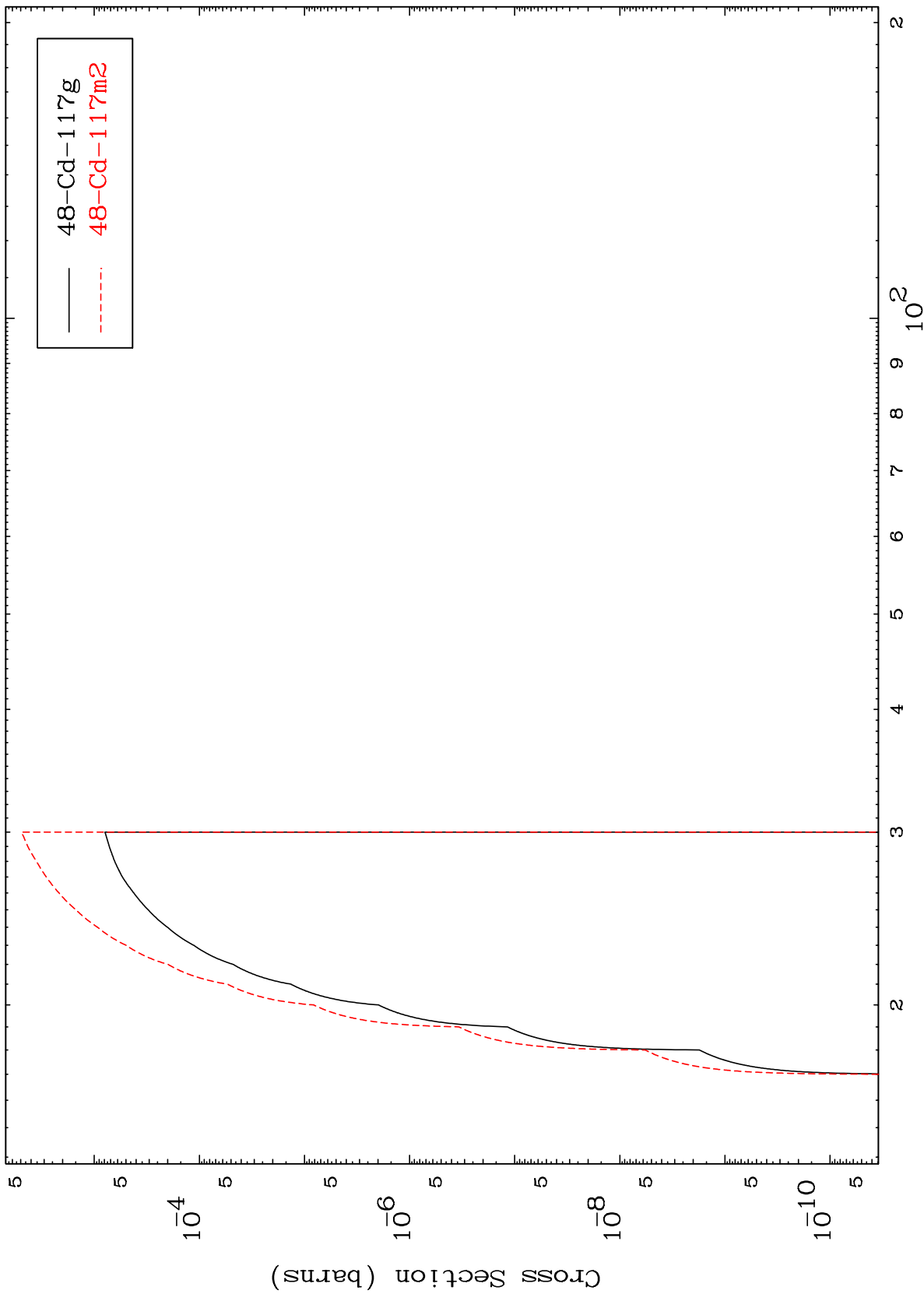
49-In-120

MAT 4947

(n,n') t

49-In-120

Radionuclide Production Cross Section



26

Incident Energy (MeV)

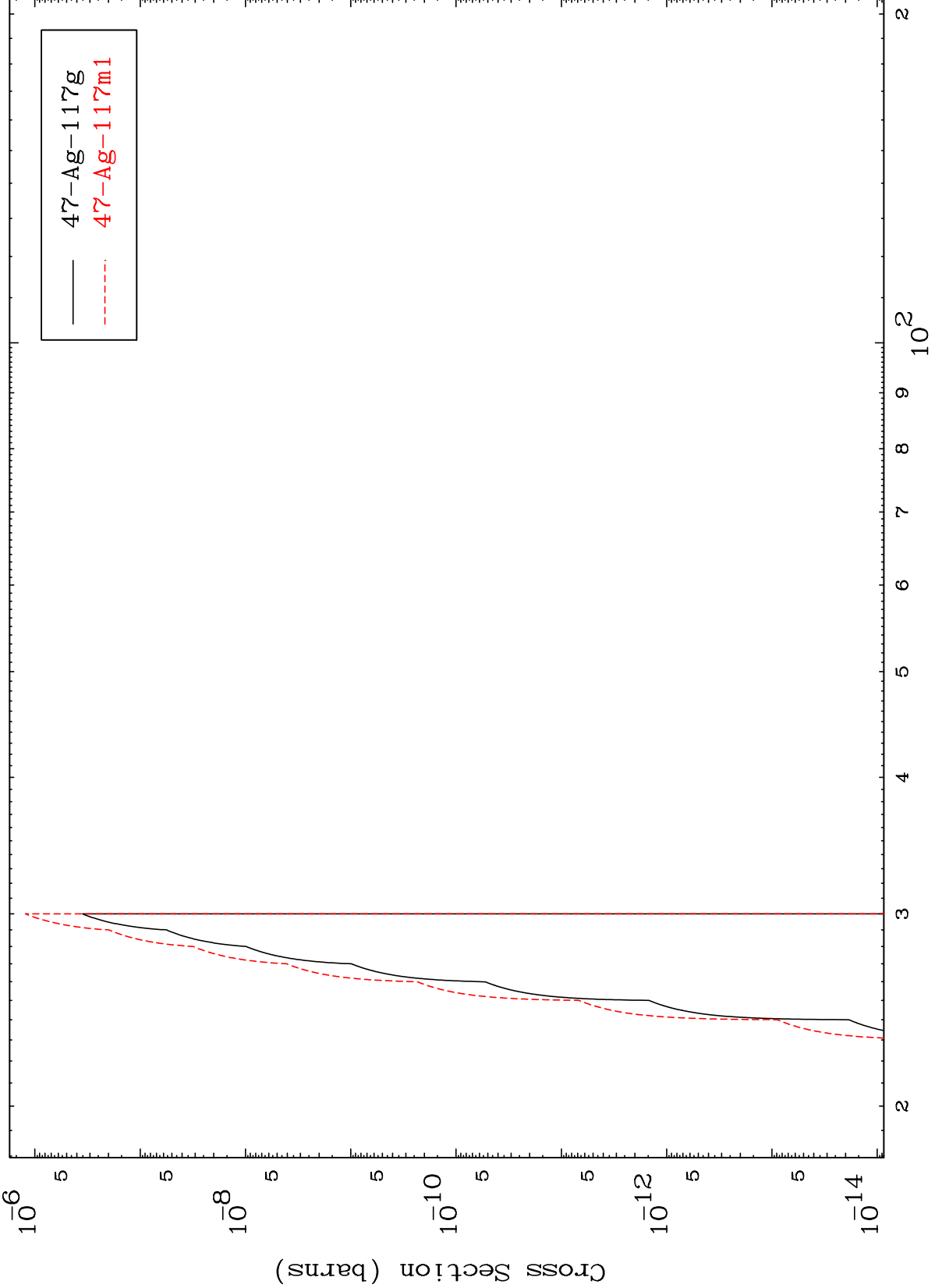
49-In-120

MAT 4947

(n,n') He-3

49-In-120

Radionuclide Production Cross Section

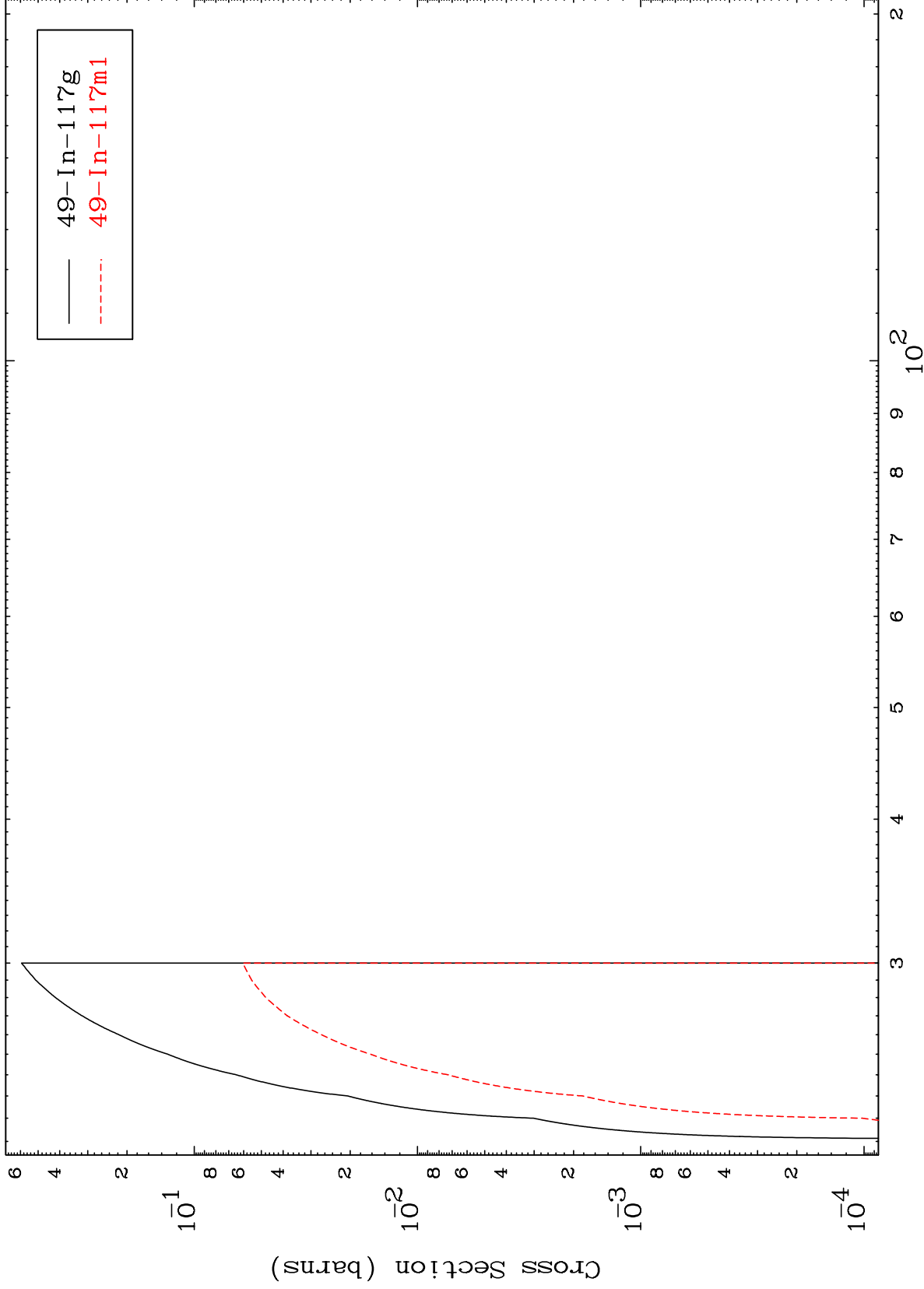


27

Incident Energy (MeV)

49-In-120

Radionuclide Production Cross Section

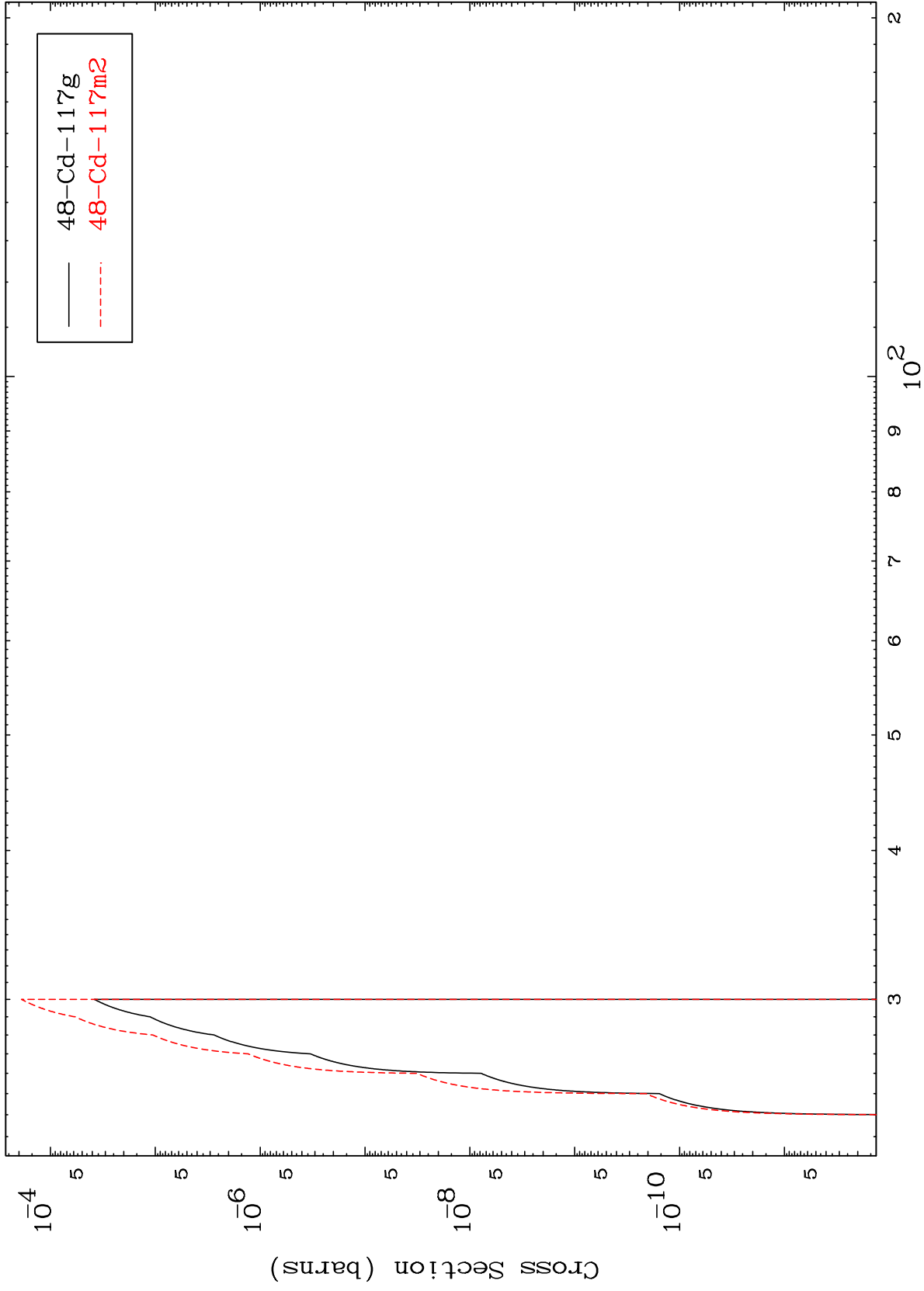


MAT 4947

(n,3n) p

49-In-120

Radionuclide Production Cross Section



29

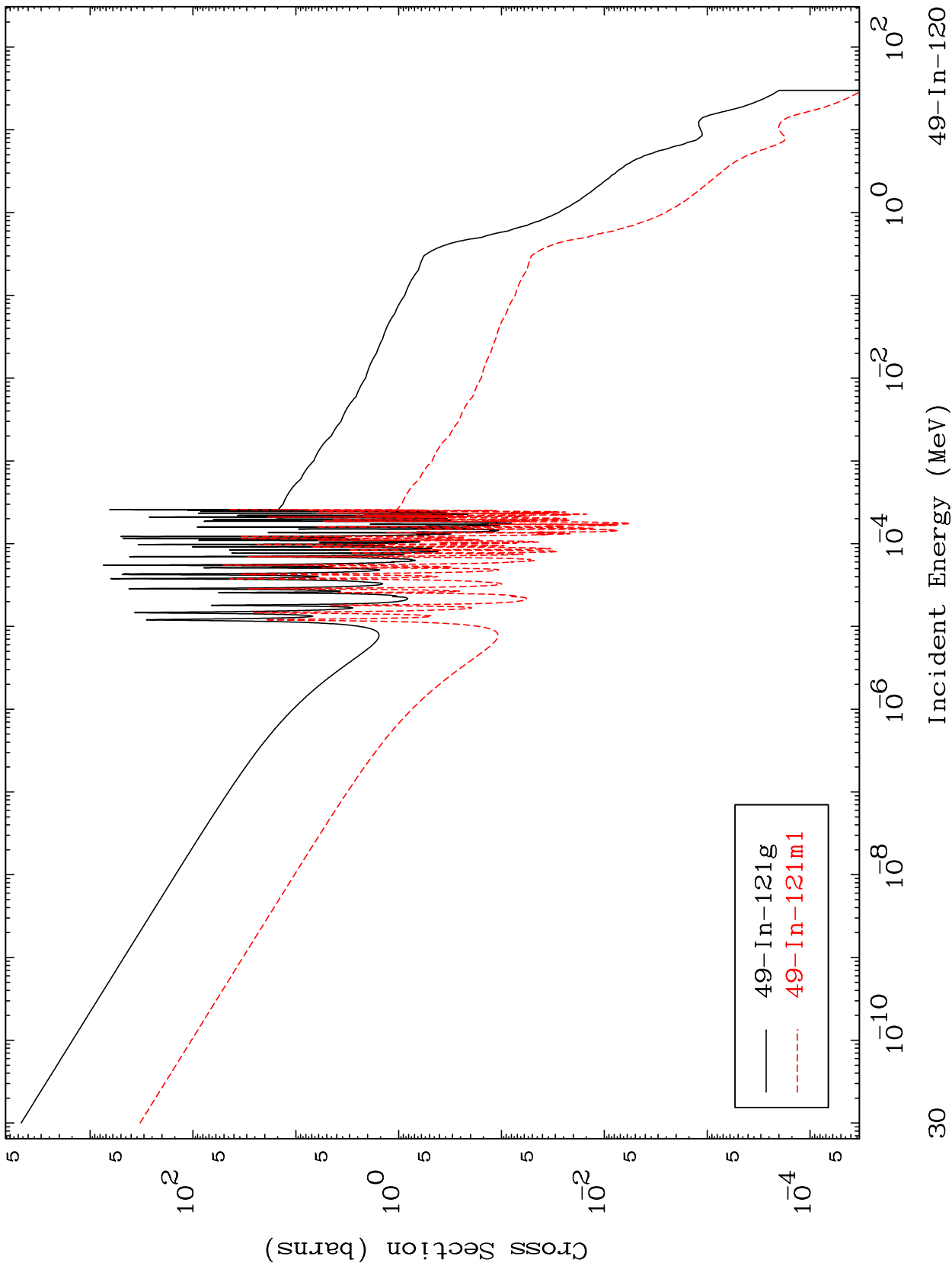
Incident Energy (MeV)

49-In-120

MAT 4947

49-In-120

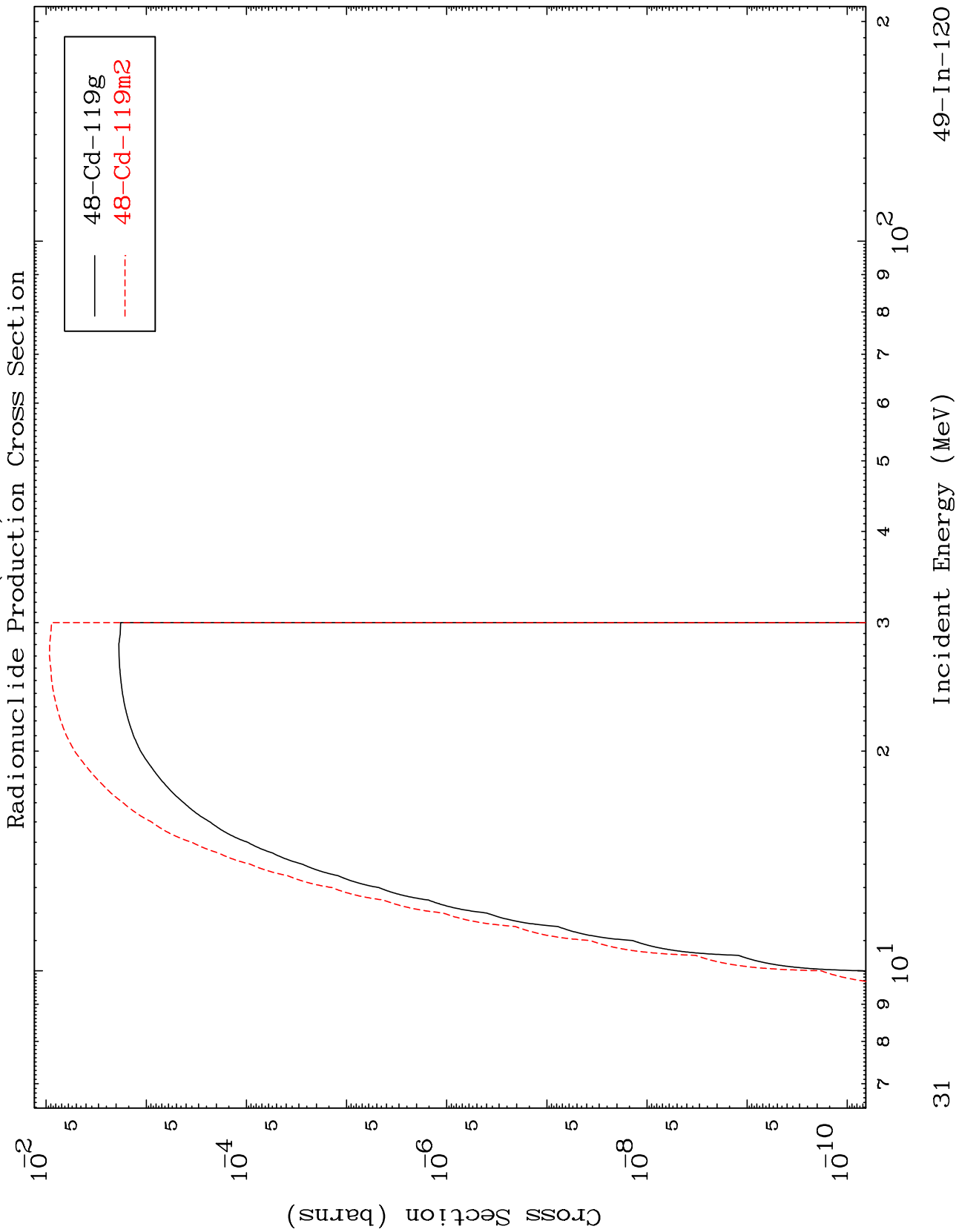
(n,γ)
Radionuclide Production Cross Section



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(n,d)

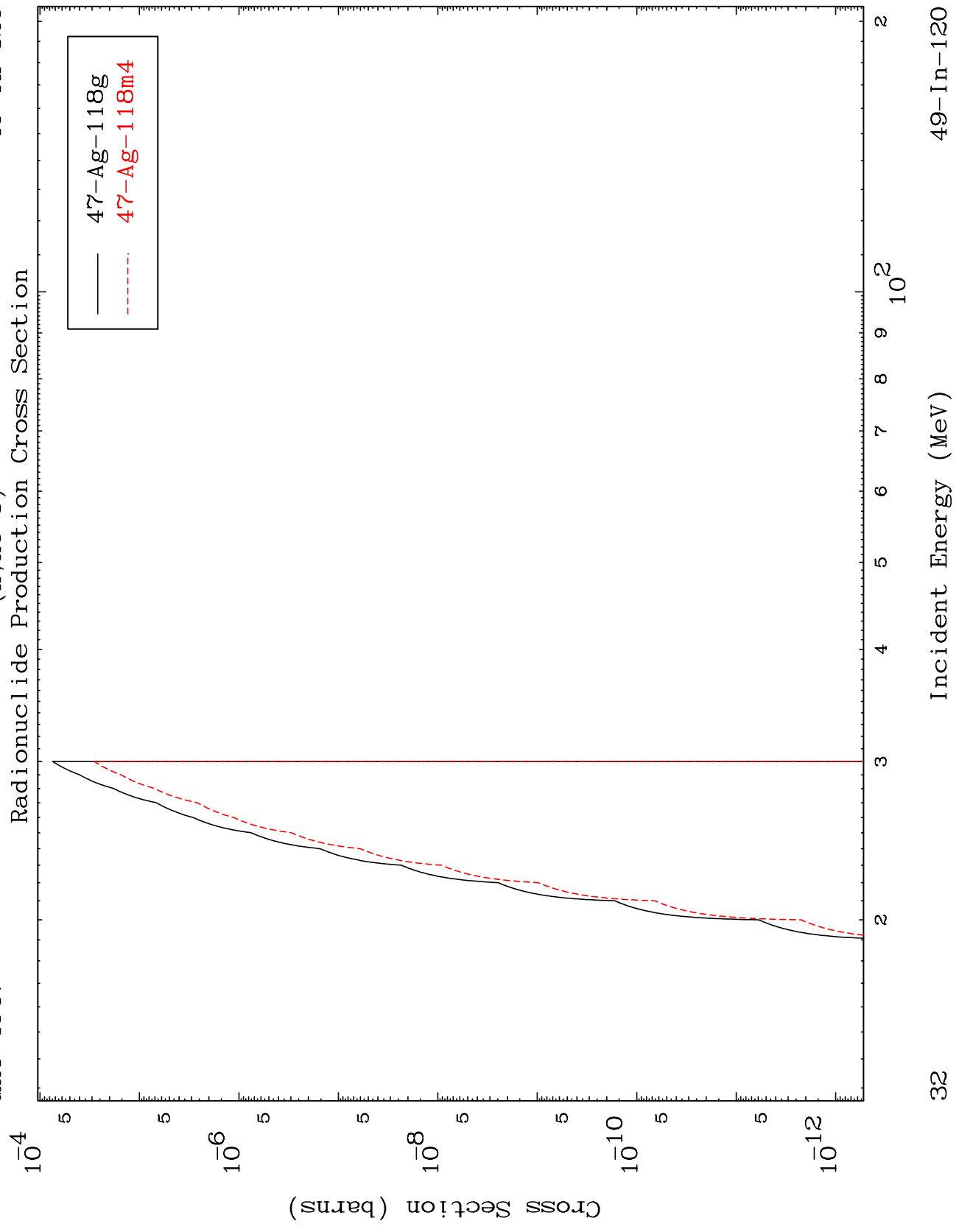
49-In-120



MAT 4947

(n,He-3)

49-In-120

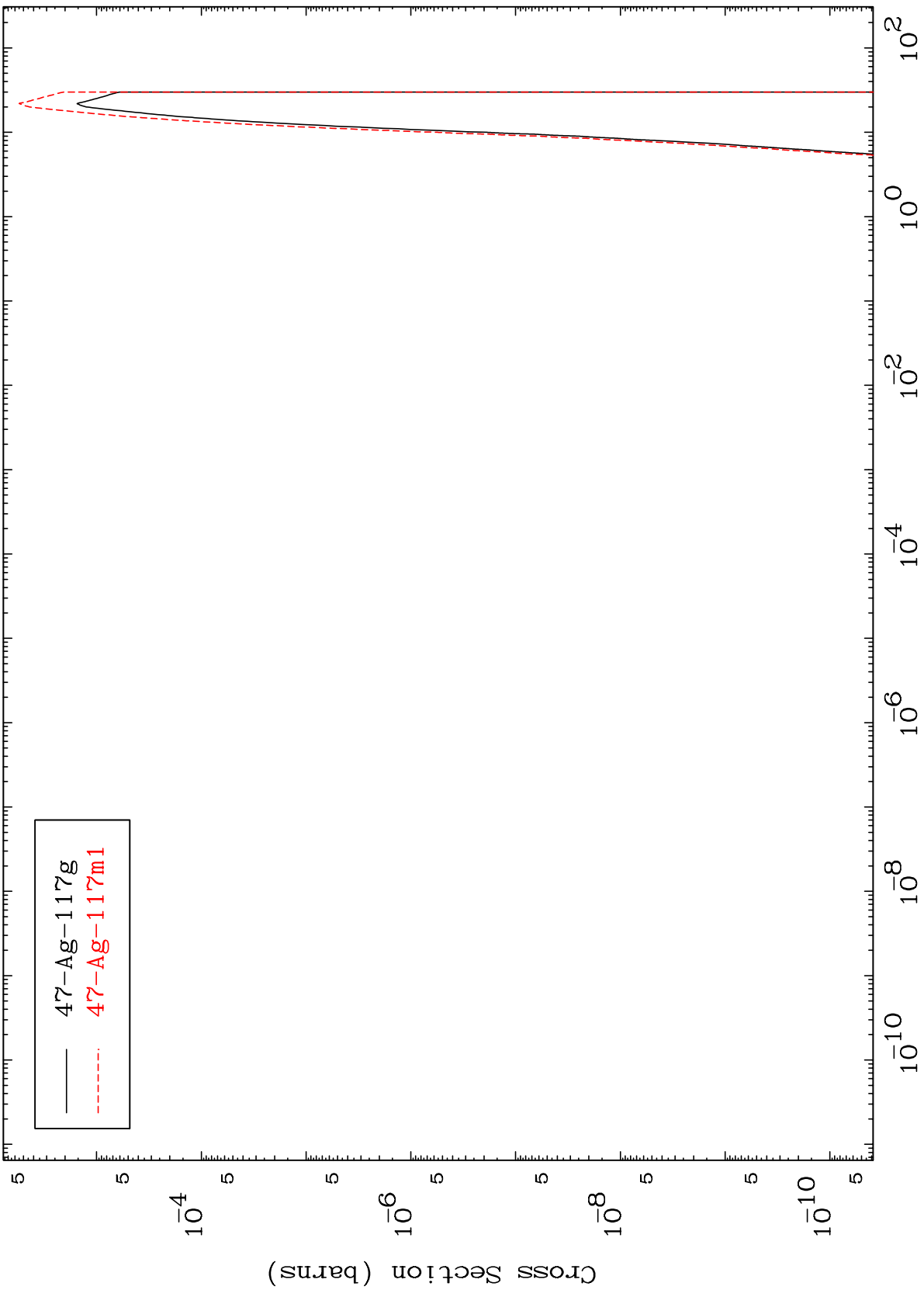


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(n, α)

49-In-120

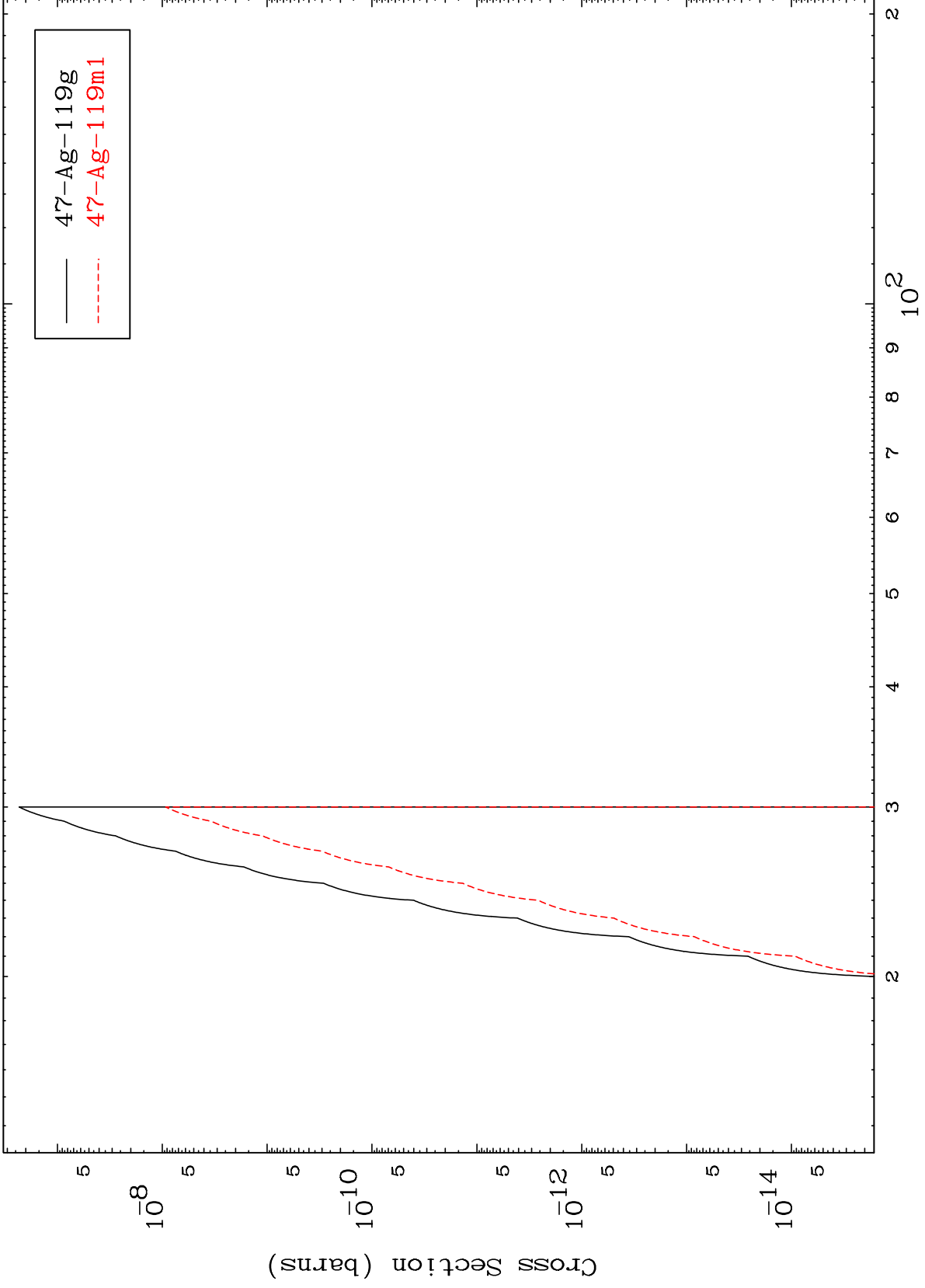
Radionuclide Production Cross Section



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49-In-120

(n,2p)
Radionuclide Production Cross Section



34

Incident Energy (MeV)

49-In-120