

Program EVALPLOT
(Version 2021-1)

by

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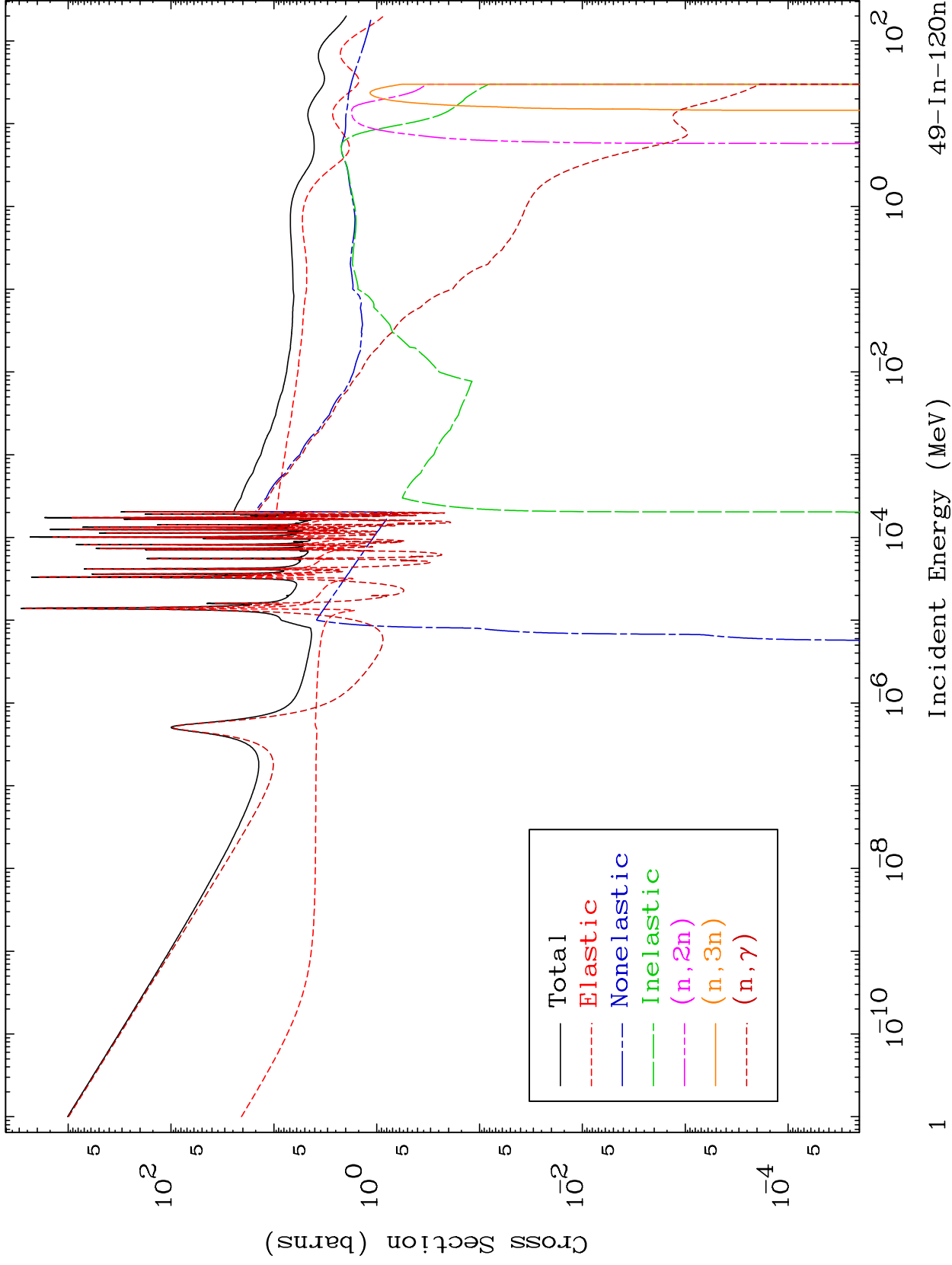
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4948

Neutron Major
293 Kelvin Cross Sections

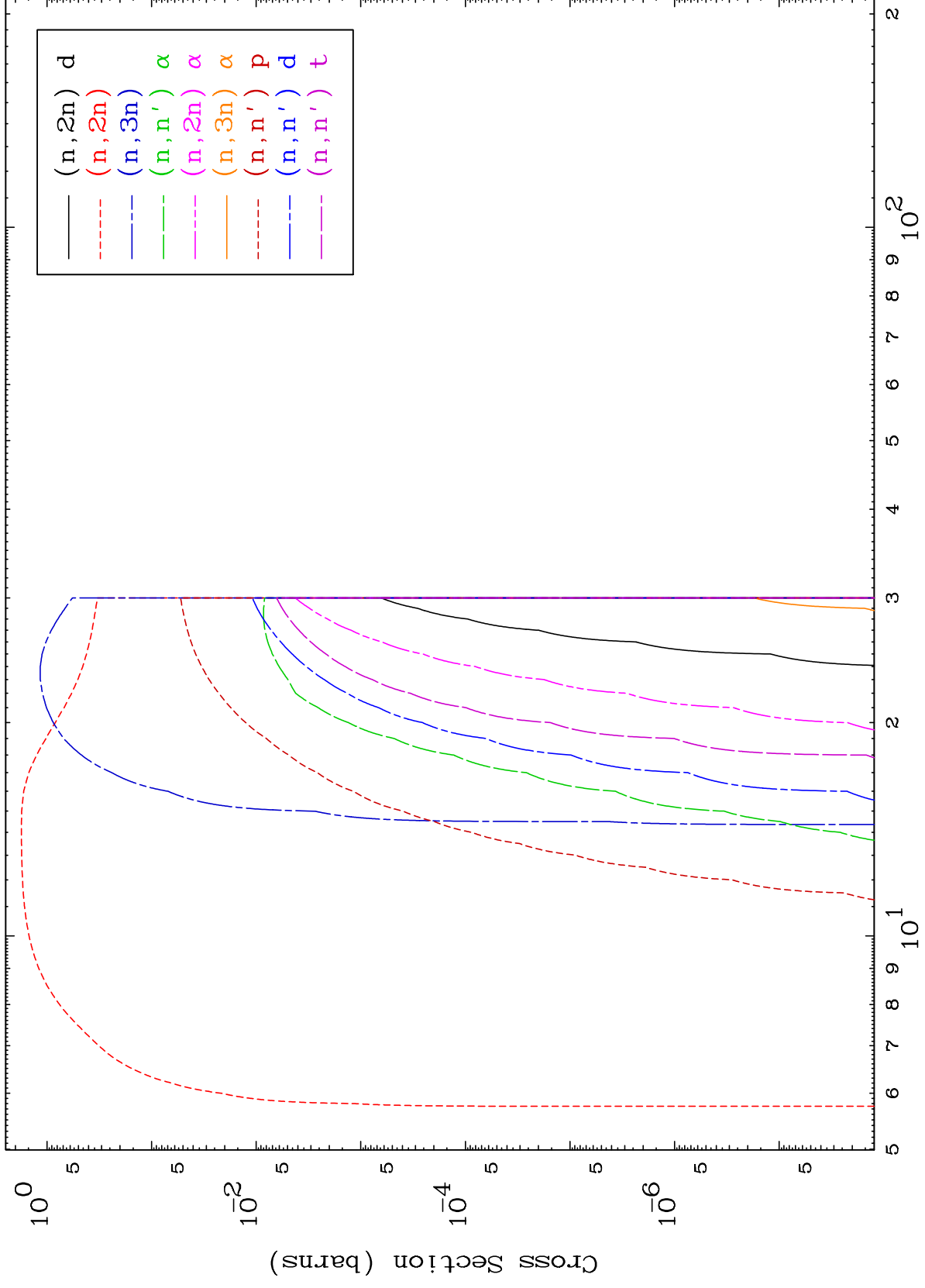
49-In-120n



MAT 4948

Neutron Absorption
293 Kelvin Cross Sections

49-In-120n



2

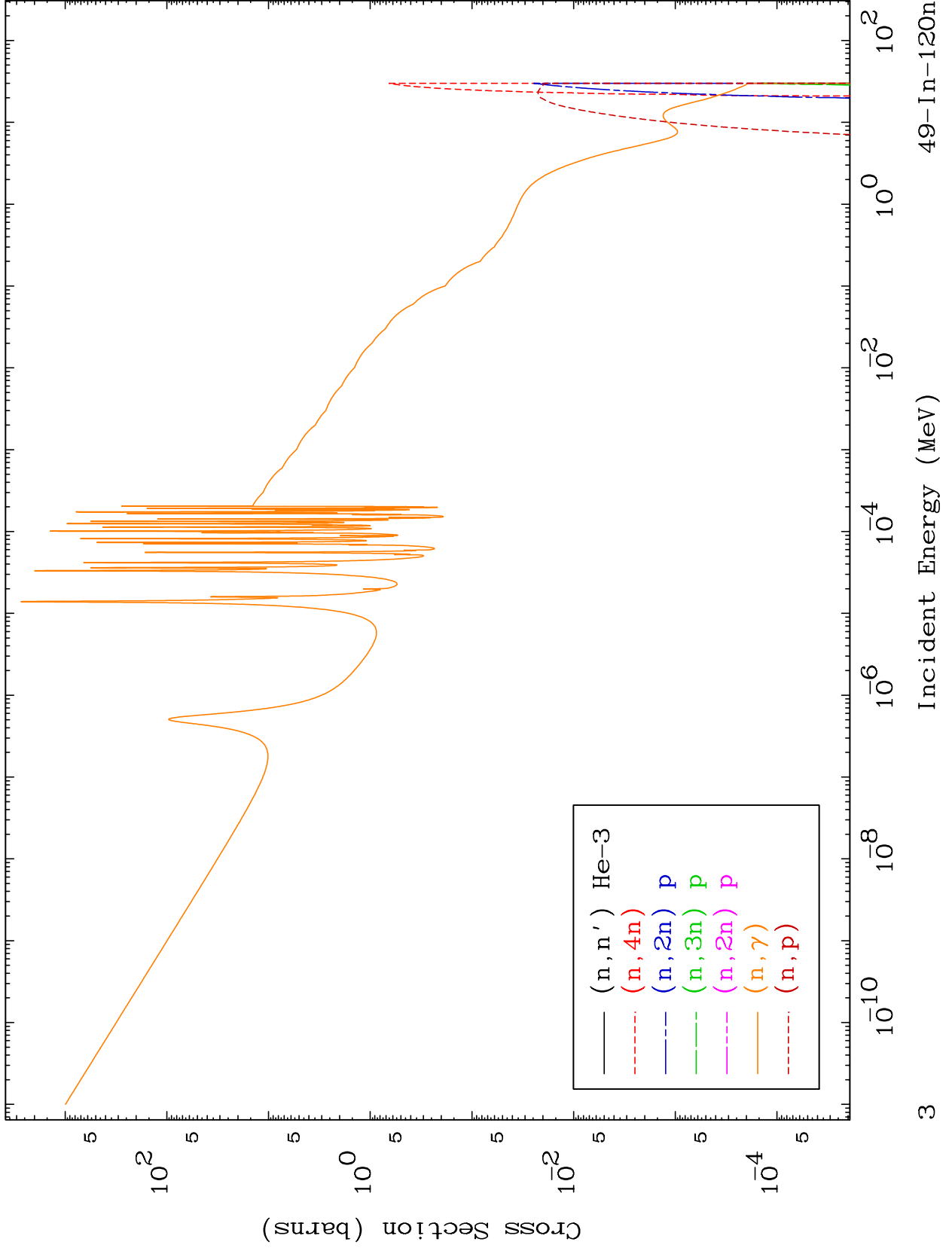
Incident Energy (MeV)

49-In-120n

MAT 4948

Neutron Absorption
293 Kelvin Cross Sections

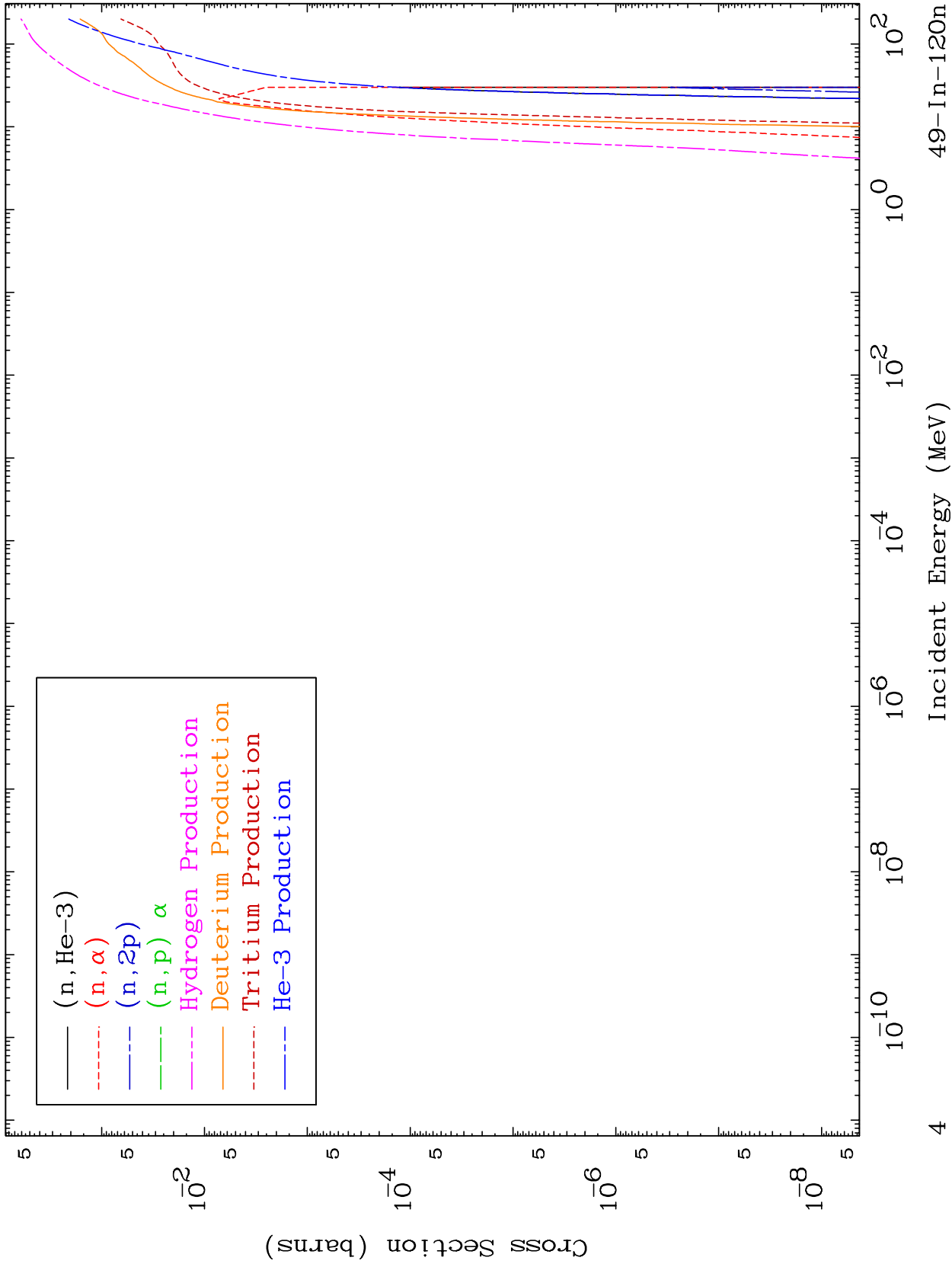
49-In-120n



MAT 4948

Neutron Absorption
293 Kelvin Cross Sections

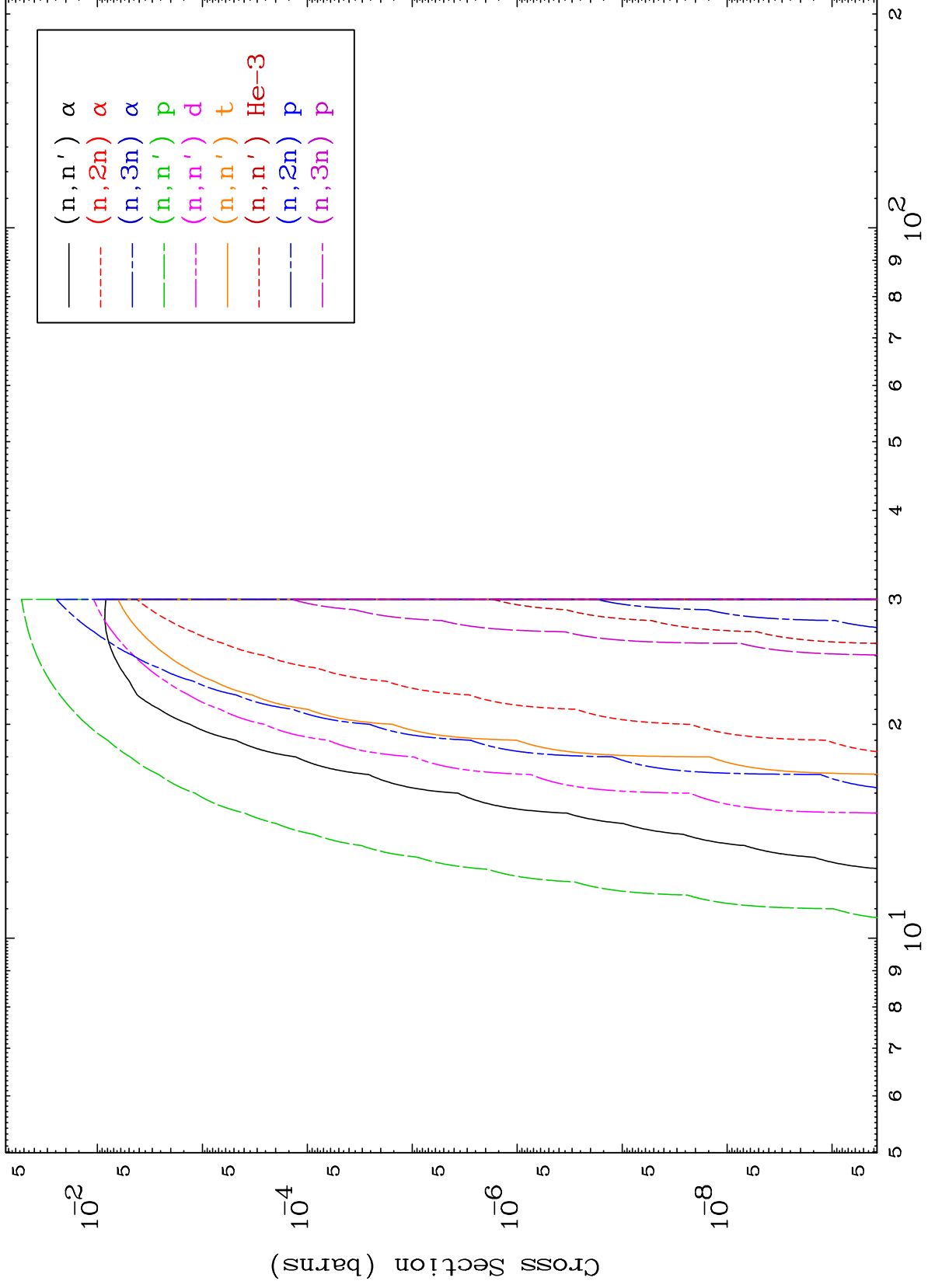
49-In-120n



MAT 4948

Charged Particle
293 Kelvin Cross Sections

49-In-120n



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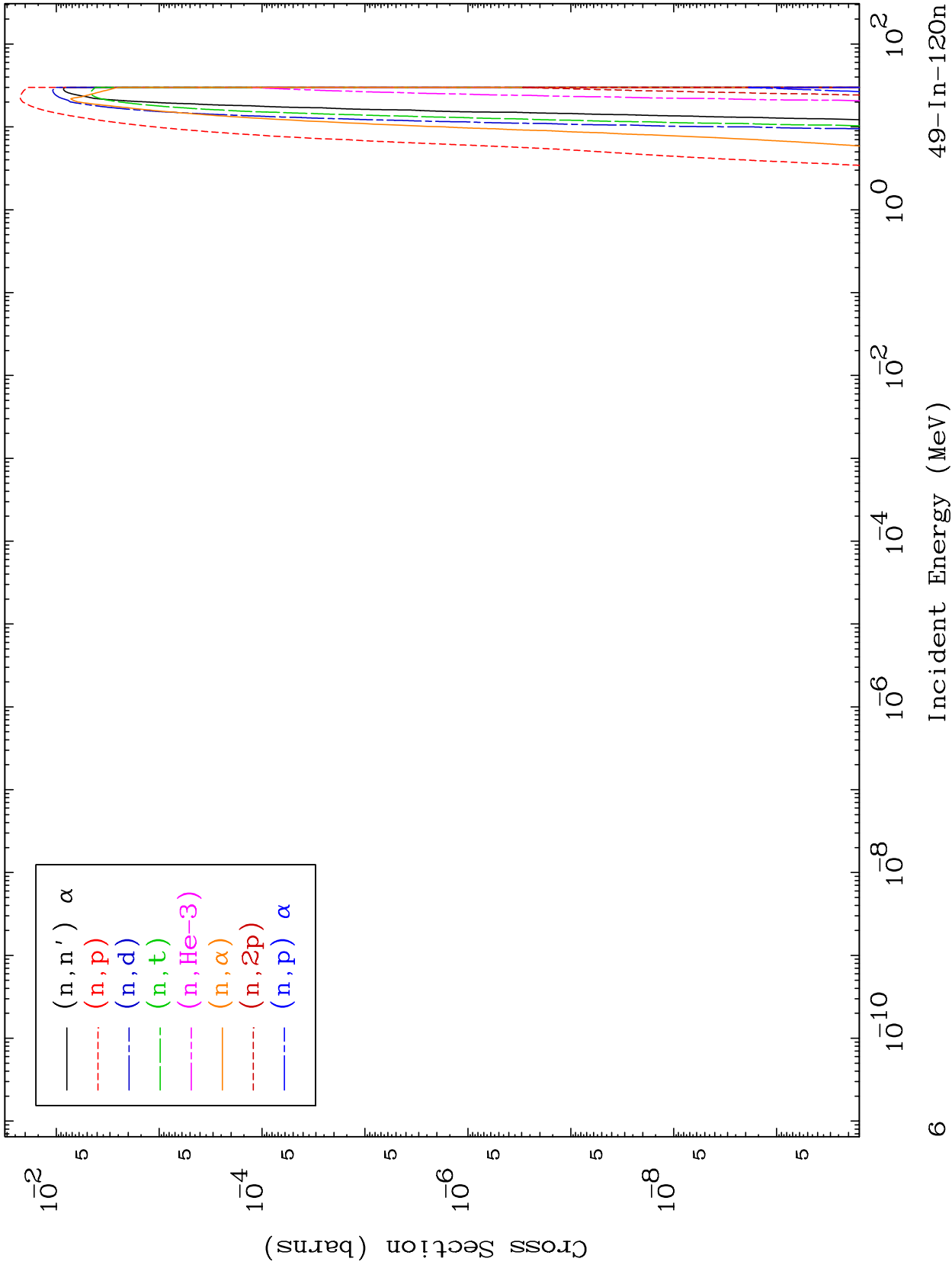
Incident Energy (MeV)

49-In-120n

MAT 4948

Charged Particle
293 Kelvin Cross Sections

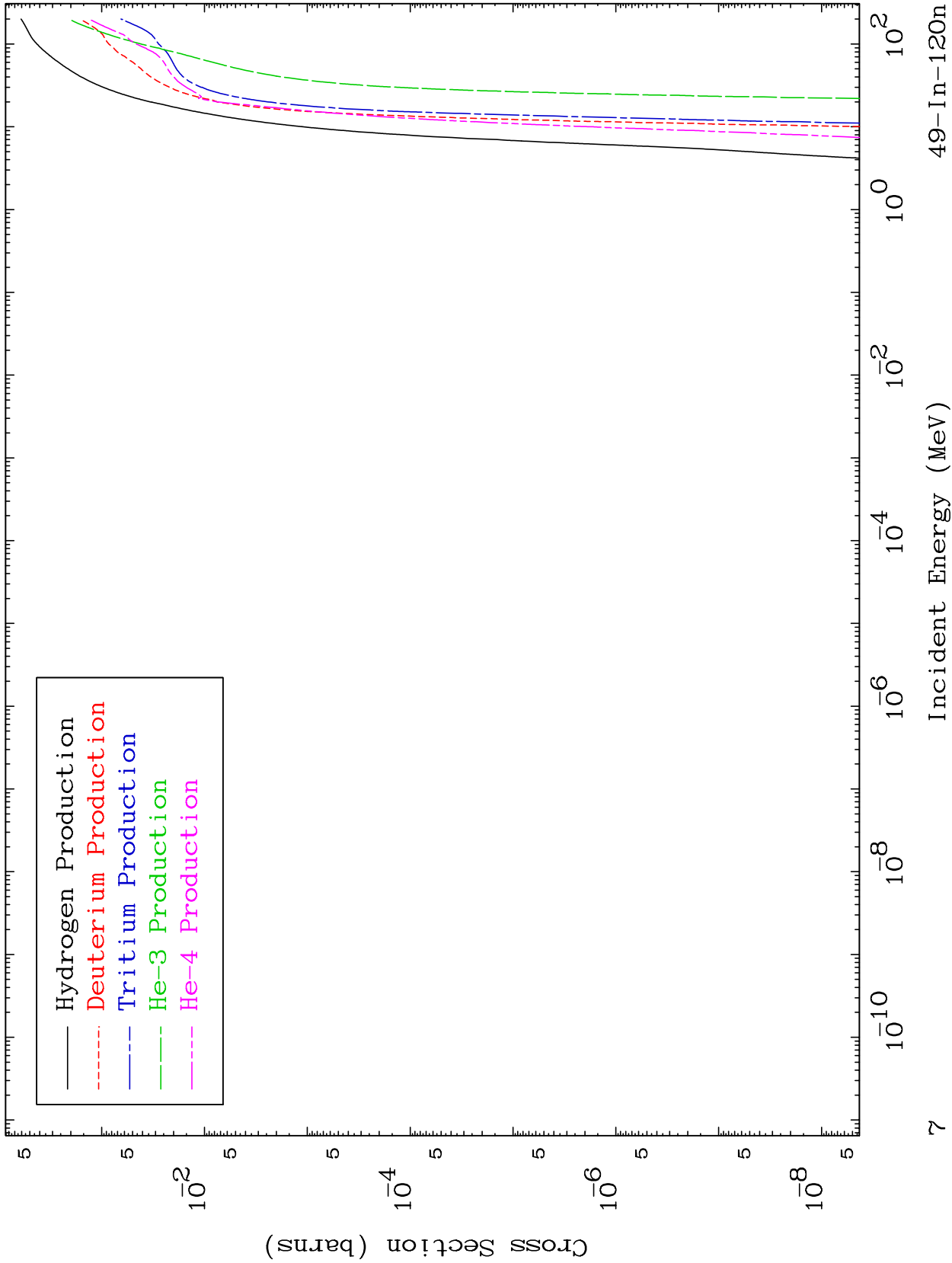
49-In-120n



MAT 4948

Particle Production
293 Kelvin Cross Sections

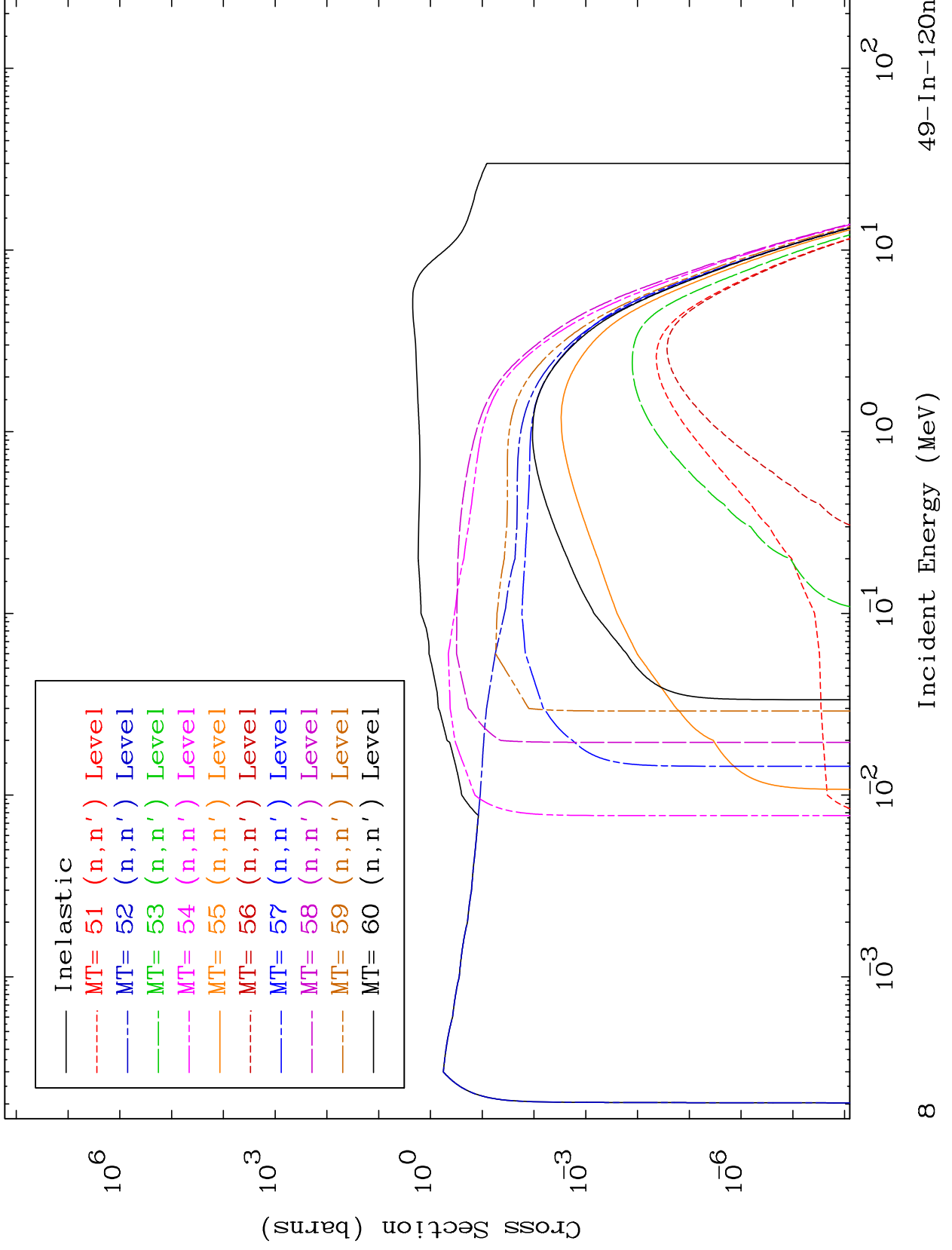
49-In-120n



MAT 4948

(n,n') Levels
293 Kelvin Cross Sections

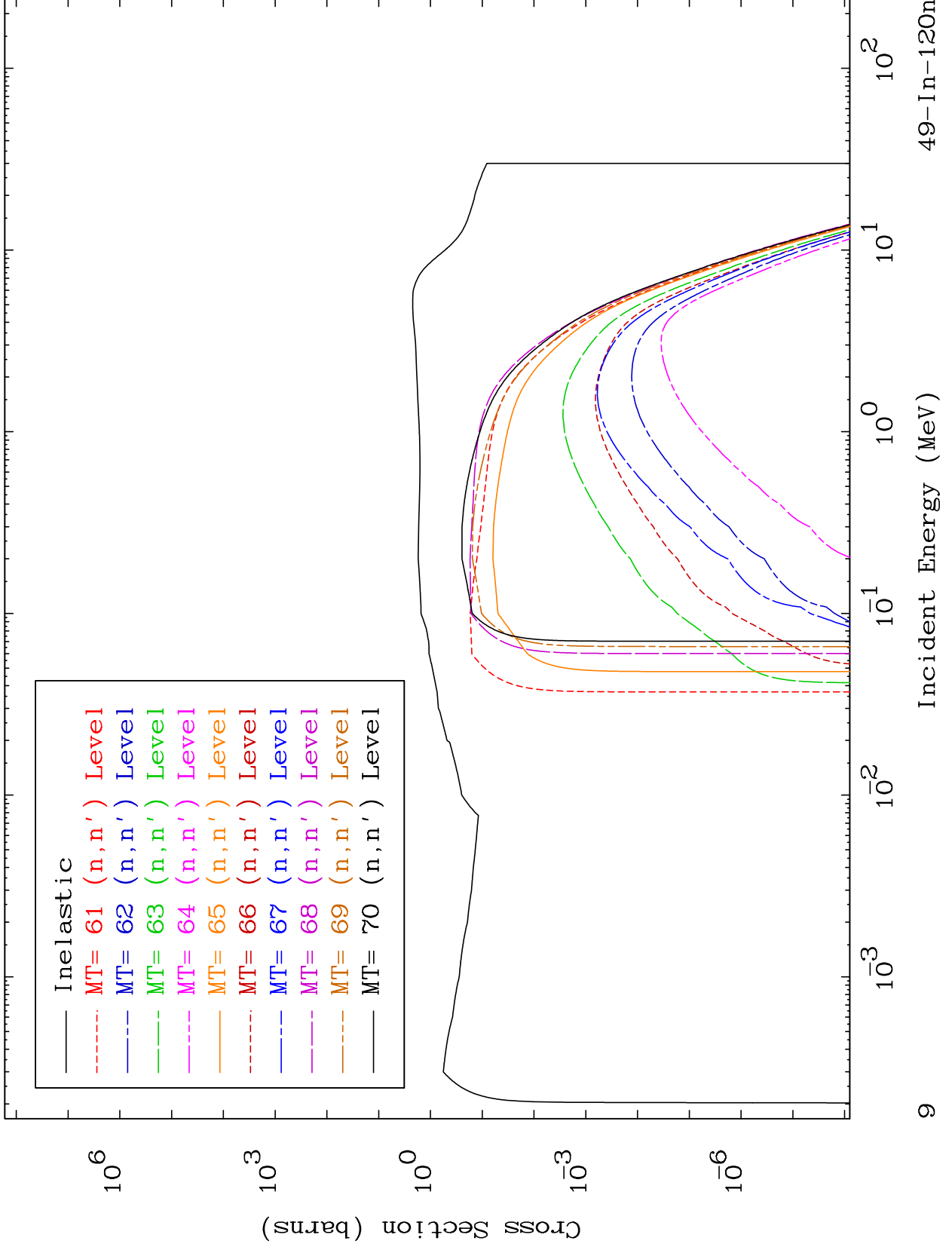
49-In-120n



MAT 4948

(n,n') Levels
293 Kelvin Cross Sections

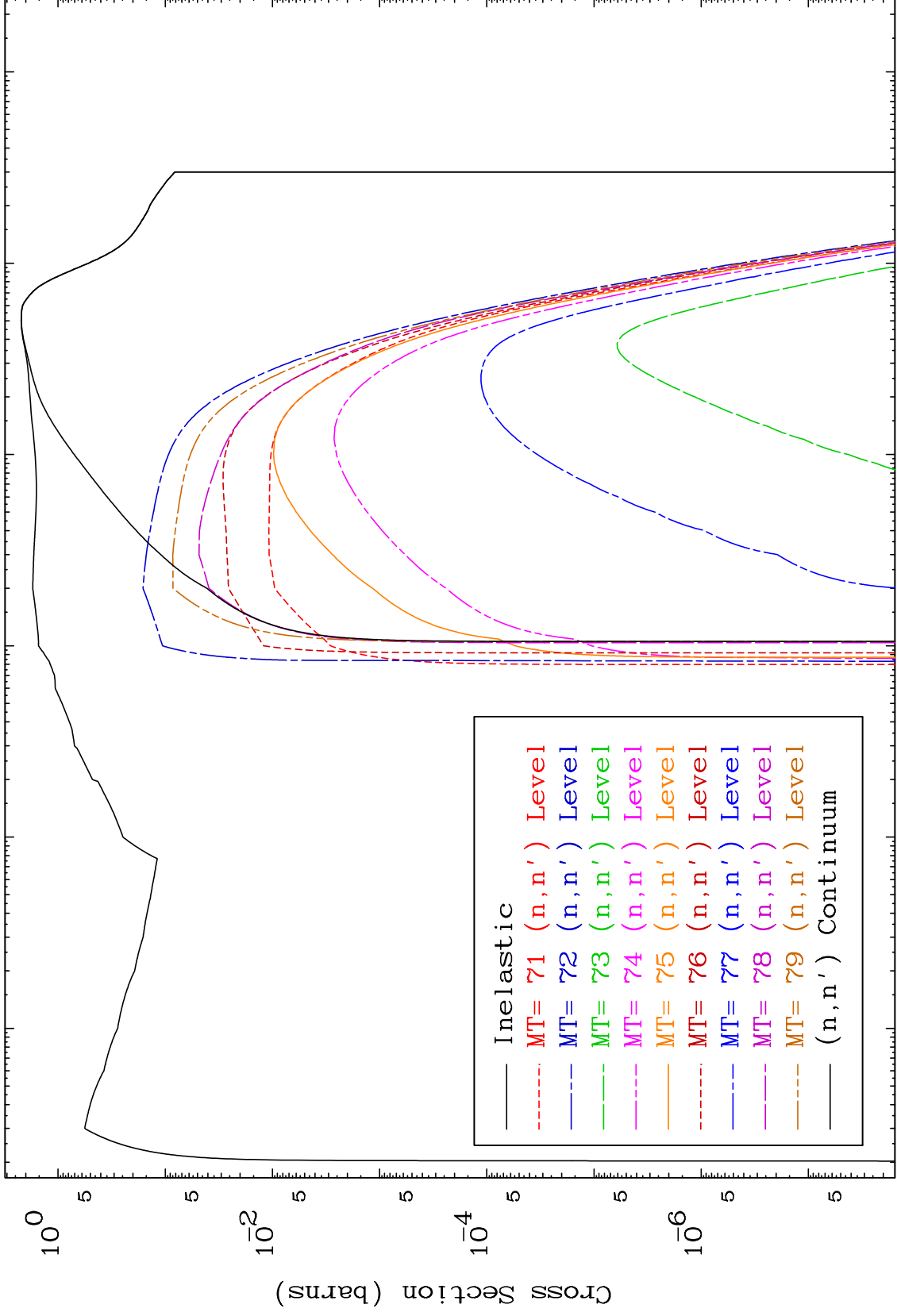
49-In-120n



MAT 4948

(n,n') Levels
293 Kelvin Cross Sections

49-In-120n



10

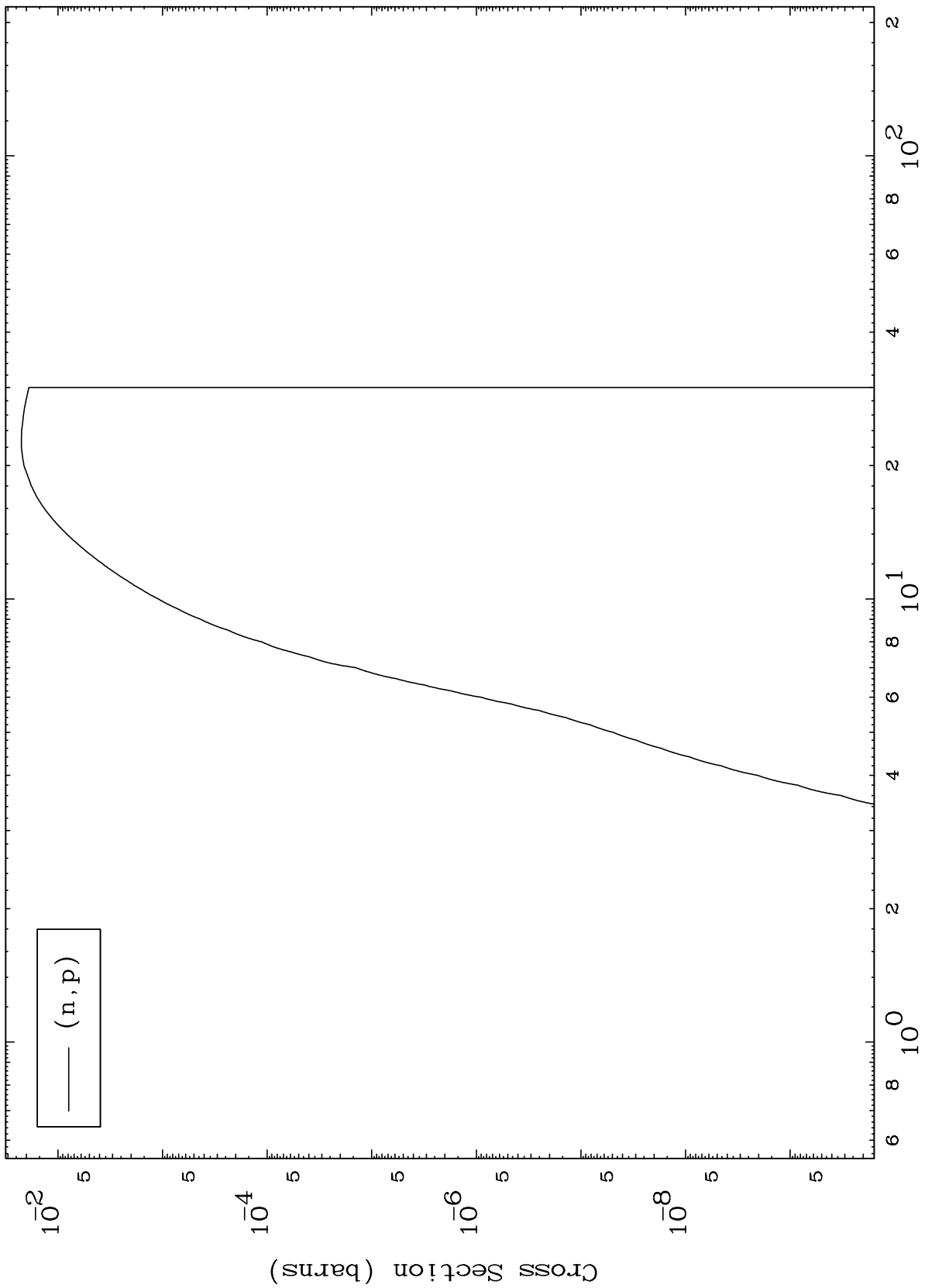
Incident Energy (MeV)

49-In-120n

MAT 4948

(n,p) Levels
293 Kelvin Cross Sections

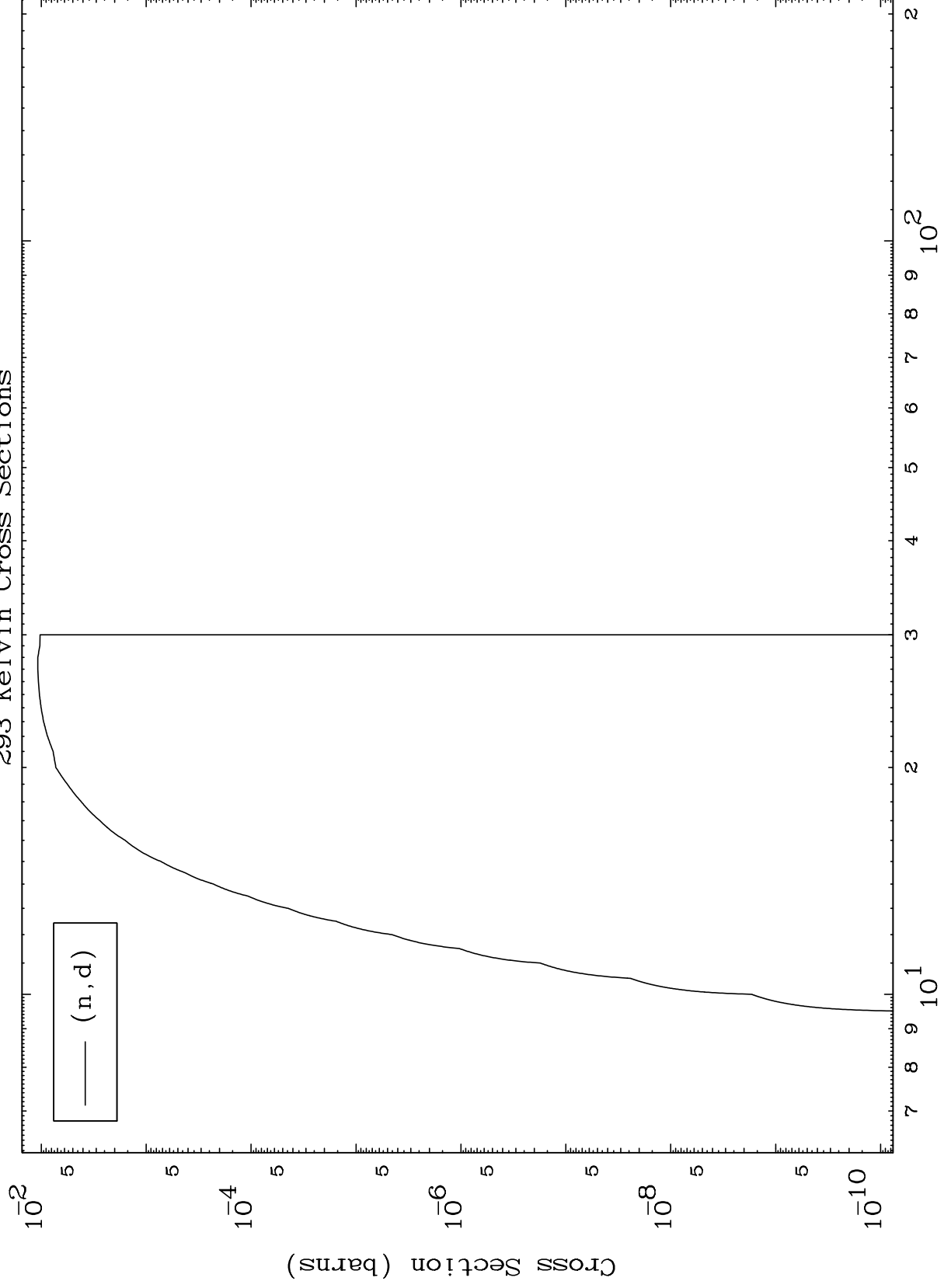
49-In-120n



MAT 4948

(n,d) Levels
293 Kelvin Cross Sections

49-In-120n



12

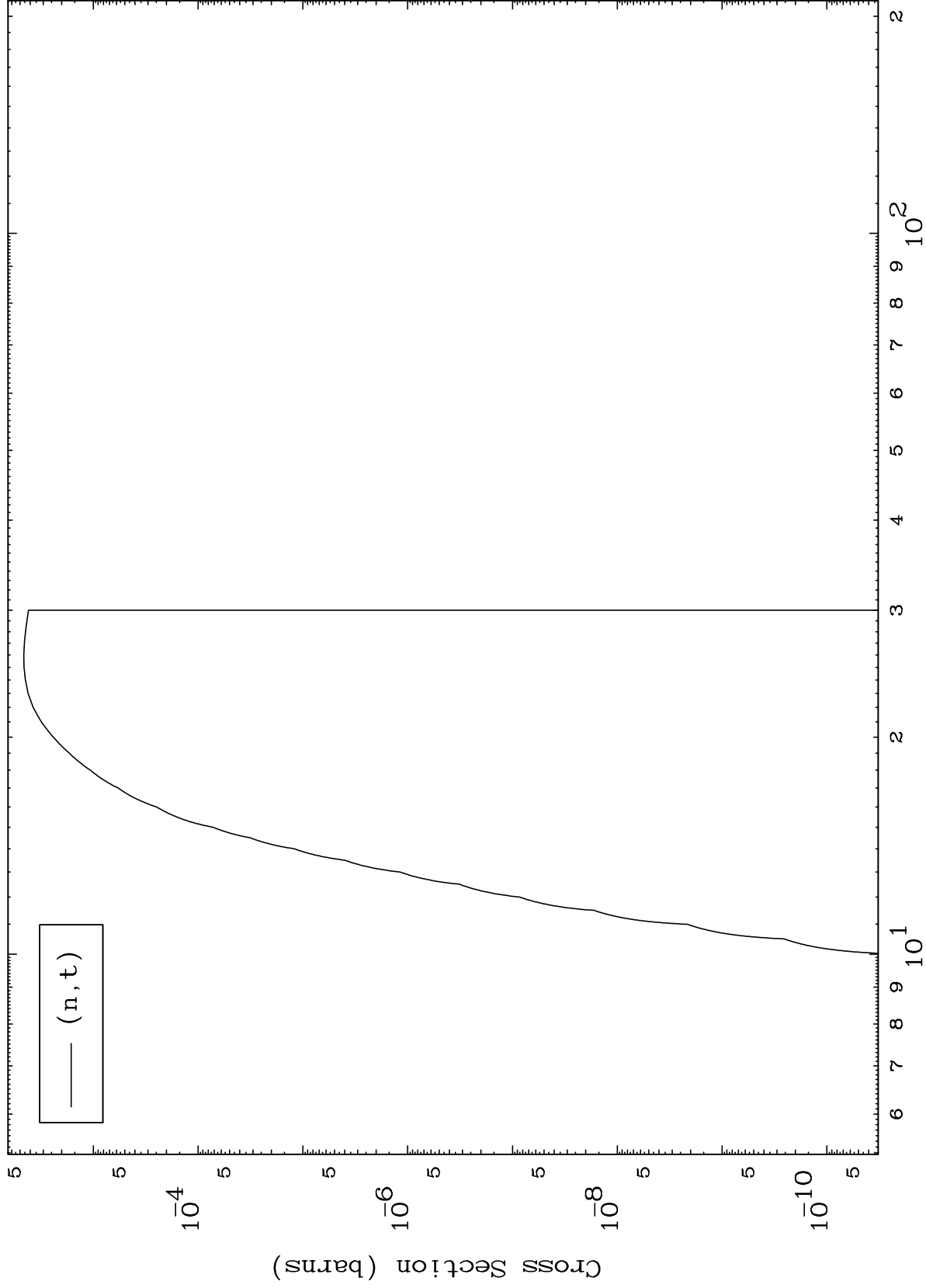
Incident Energy (MeV)

49-In-120n

MAT 4948

(n,t) Levels
293 Kelvin Cross Sections

49-In-120n



13

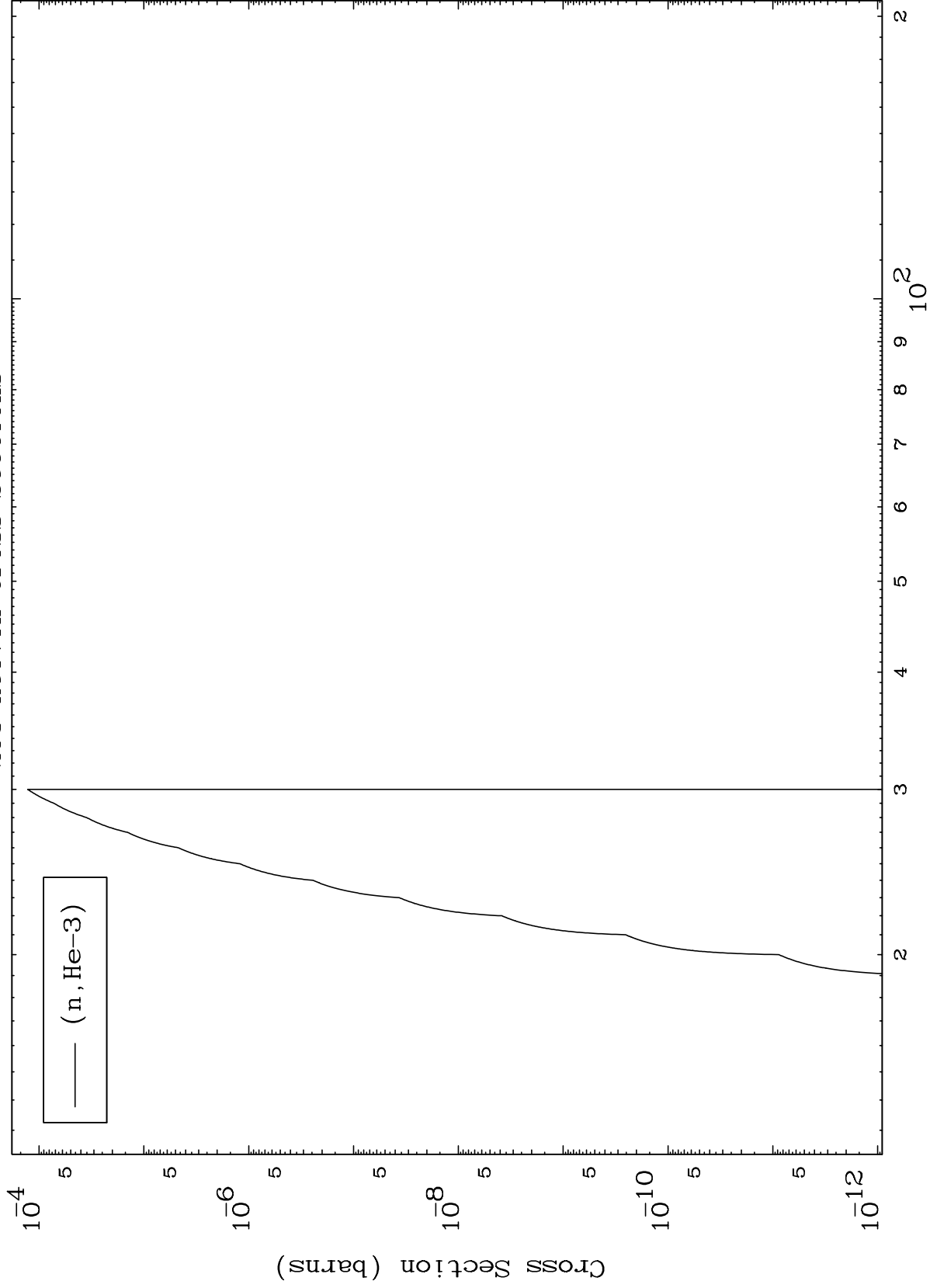
Incident Energy (MeV)

49-In-120n

MAT 4948

(n,He3) Levels
293 Kelvin Cross Sections

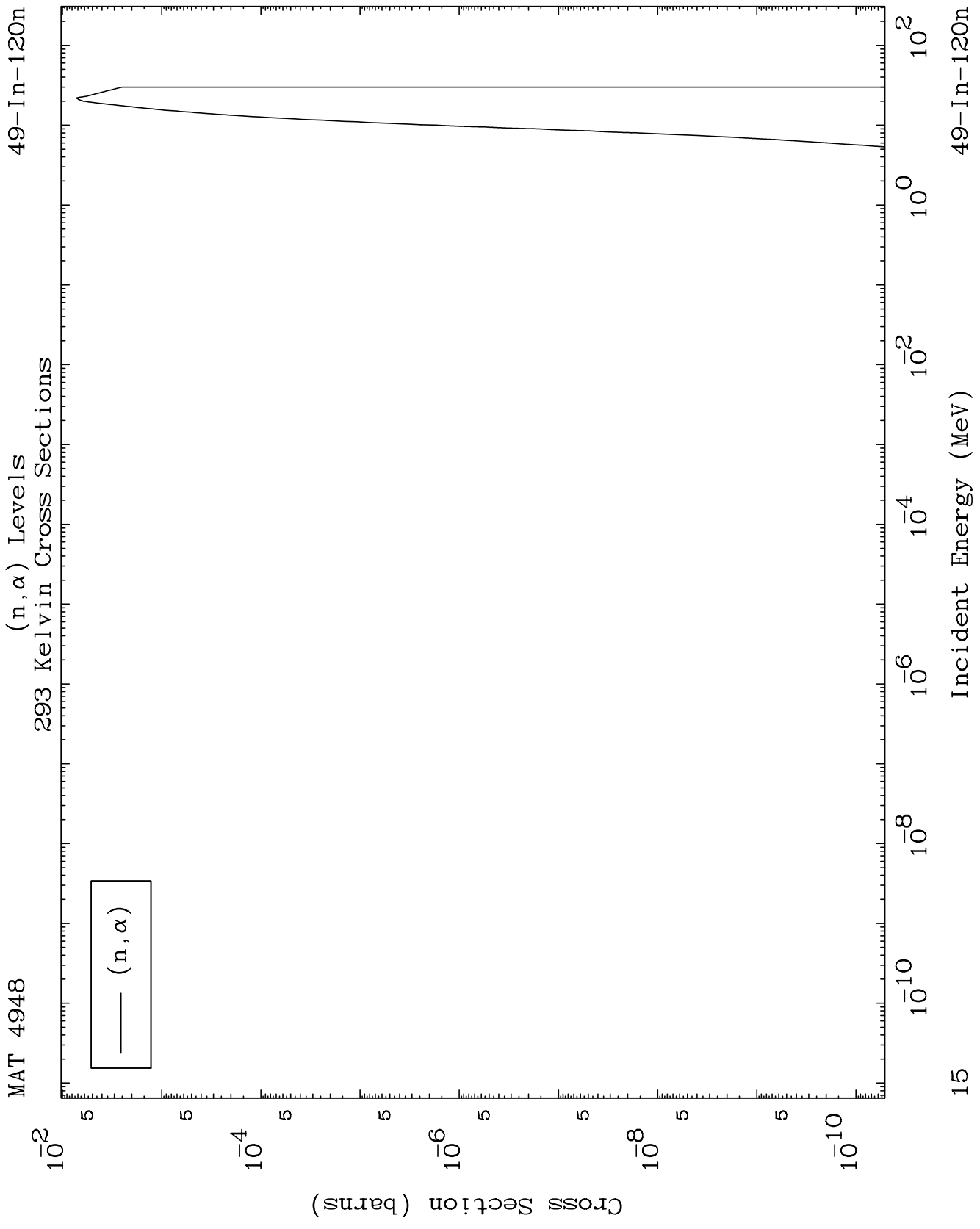
49-In-120n

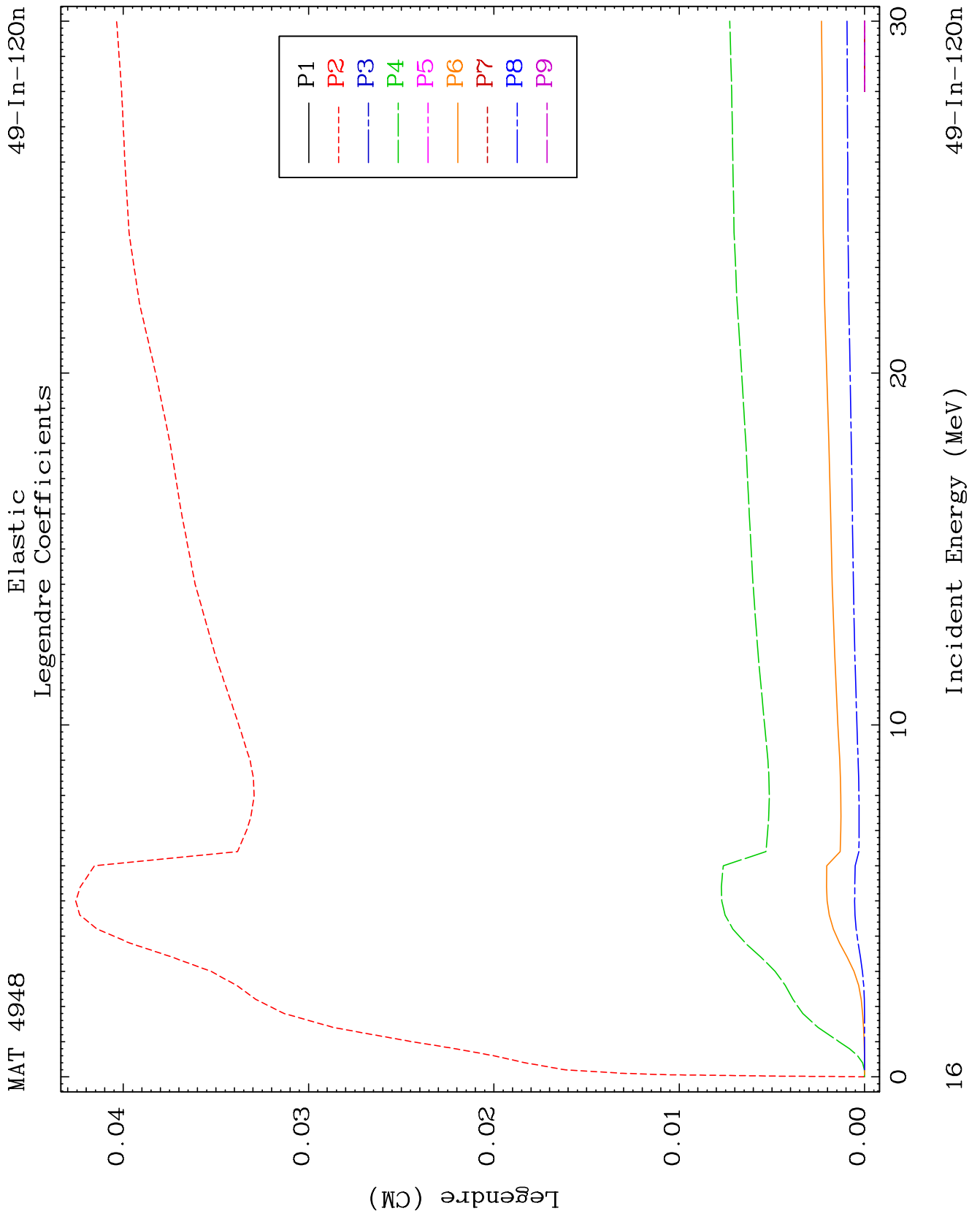


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Incident Energy (MeV)

49-In-120n

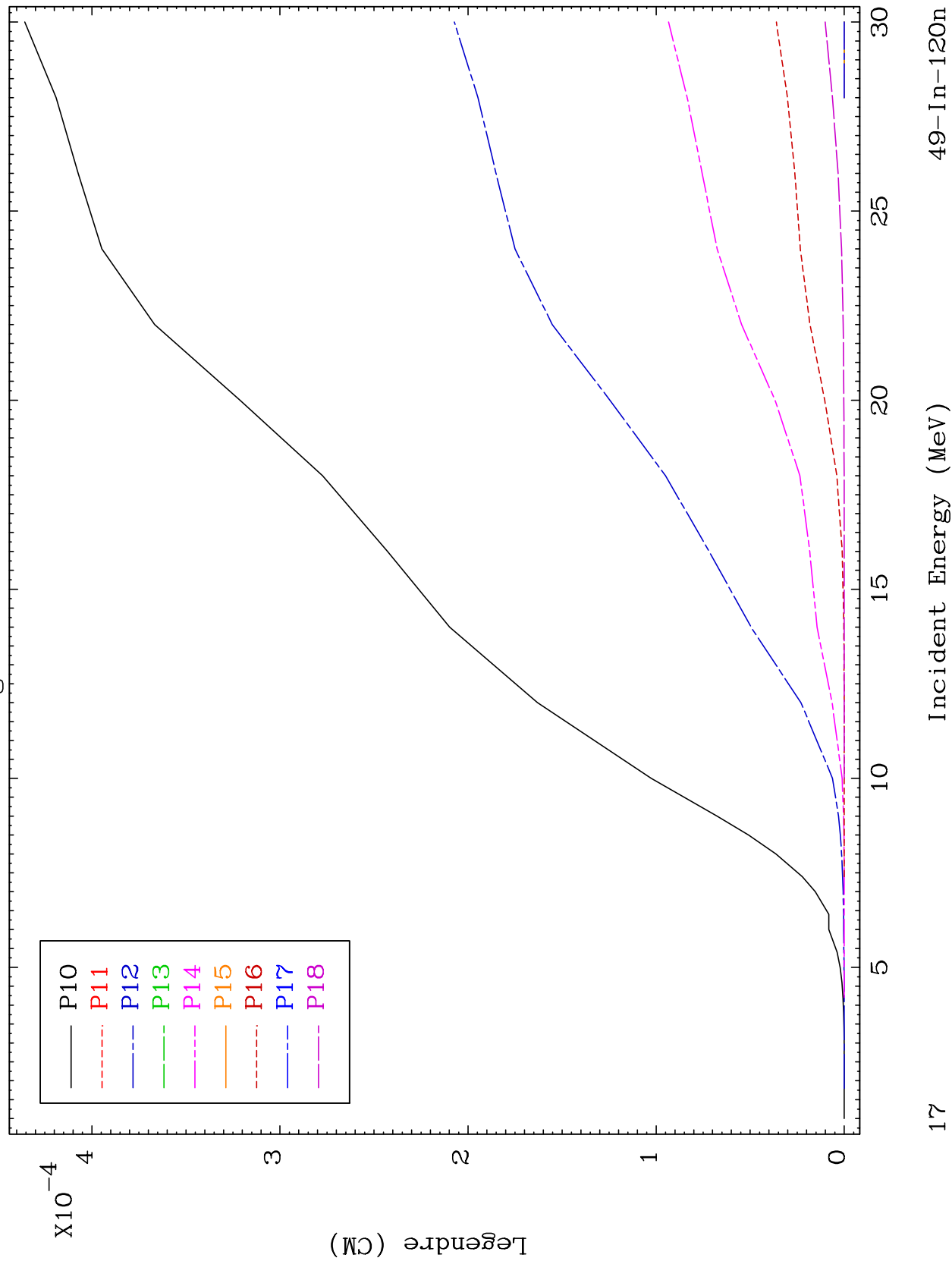




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Elastic Legendre Coefficients

49-In-120n



17

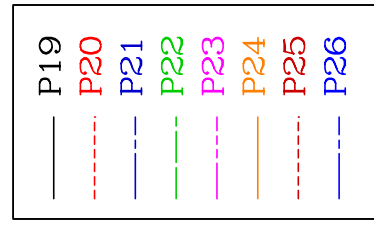
49-In-120n

Incident Energy (MeV)

MAT 4948

Elastic Legendre Coefficients

49-In-120n



$\times 10^{-7}$

Legendre (CM)



18

Incident Energy (MeV)

49-In-120n

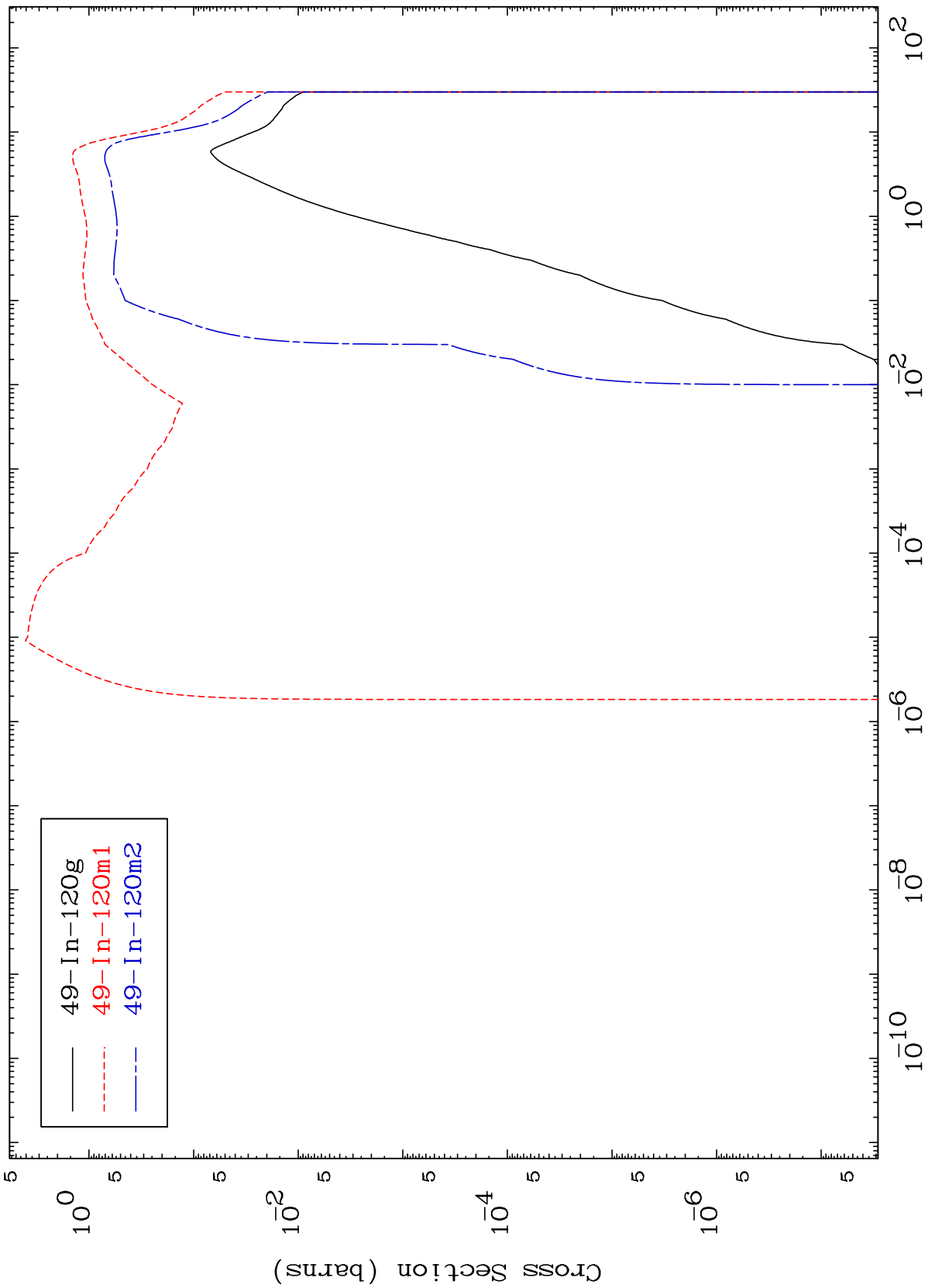
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49-In-120n

Inelastic
Radionuclide Production Cross Section

49-In-120n

Incident Energy (MeV)



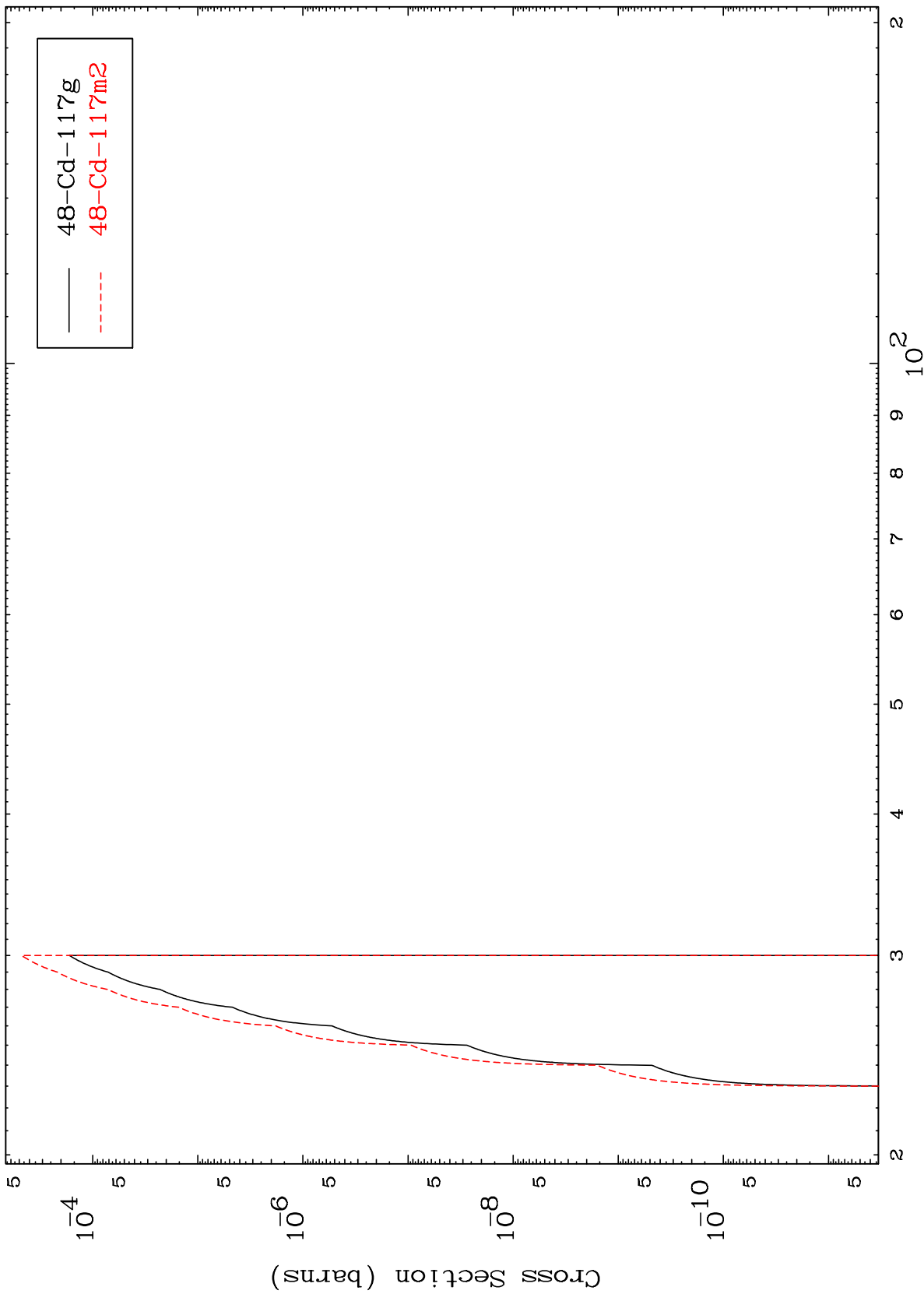
49-In-120g
49-In-120m1
49-In-120m2

MAT 4948

(n,2n) d

49-In-120n

Radionuclide Production Cross Section



20

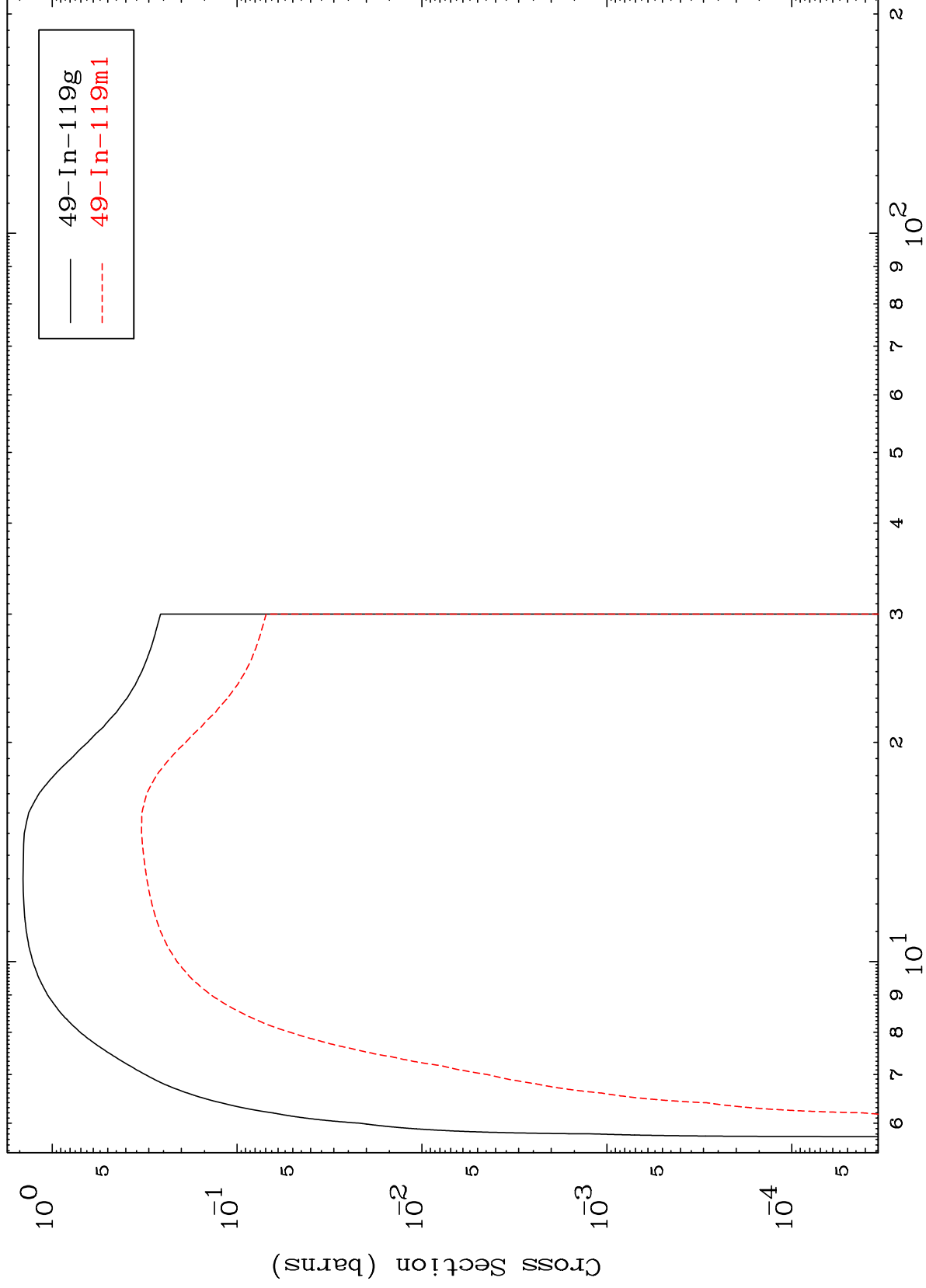
Incident Energy (MeV)

49-In-120n

MAT 4948

49-In-120n

(n,2n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

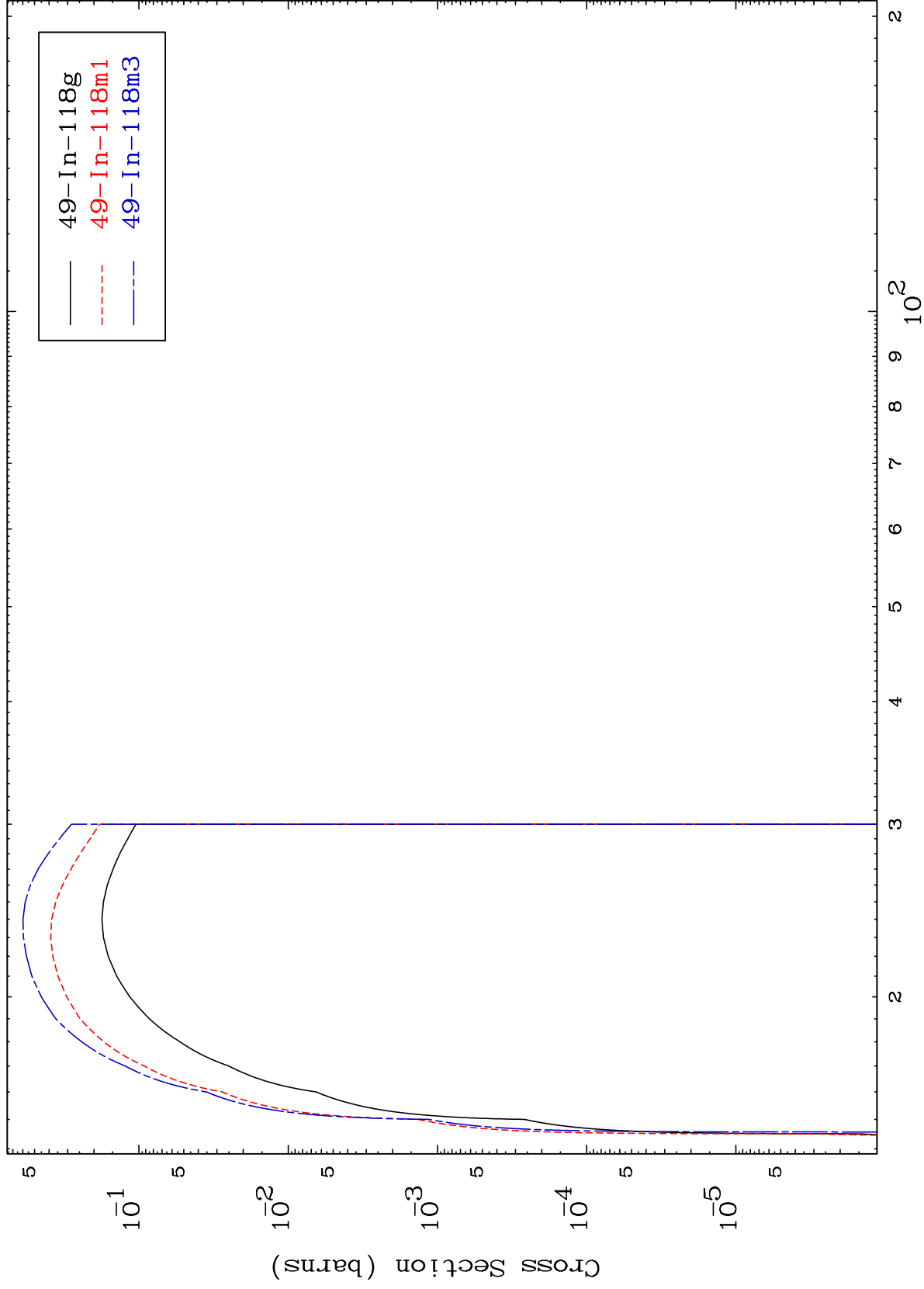
49-In-120n

MAT 4948

(n,3n)

49-In-120n

Radionuclide Production Cross Section



22

Incident Energy (MeV)

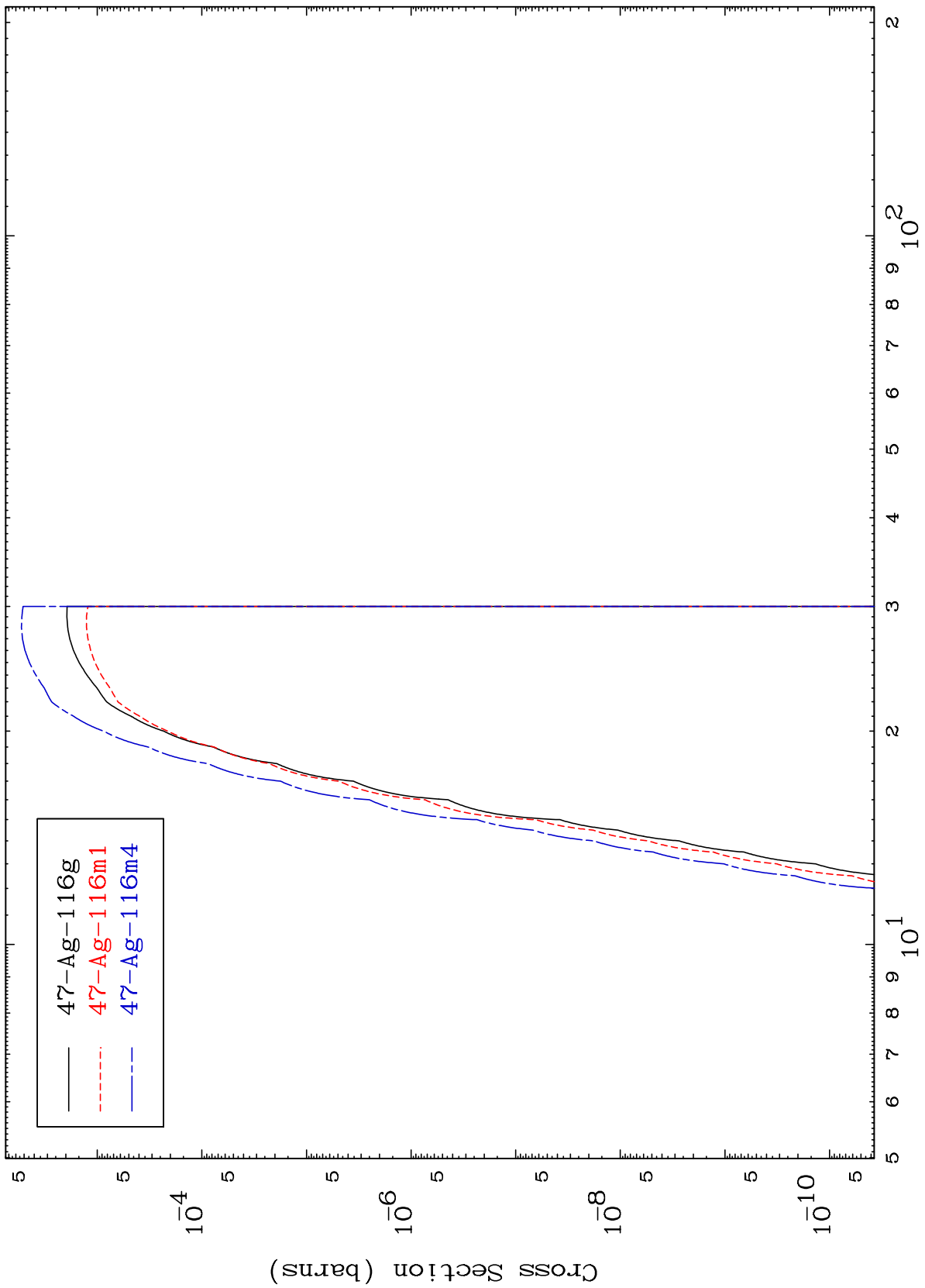
49-In-120n

MAT 4948

49-In-120n

(n,n') α

Radionuclide Production Cross Section



23

Incident Energy (MeV)

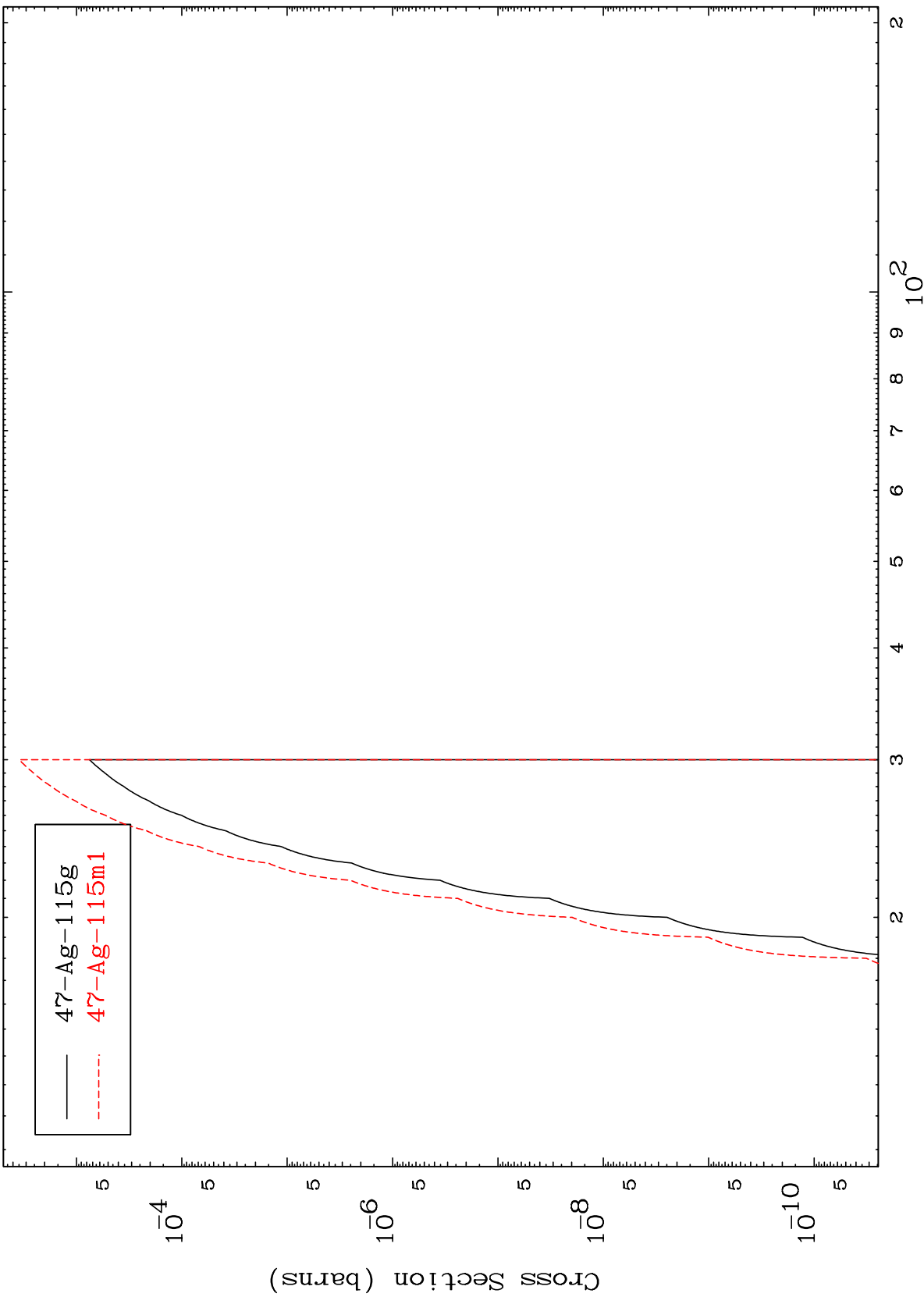
49-In-120n

MAT 4948

(n,2n) α

49-In-120n

Radionuclide Production Cross Section



Incident Energy (MeV)

49-In-120n

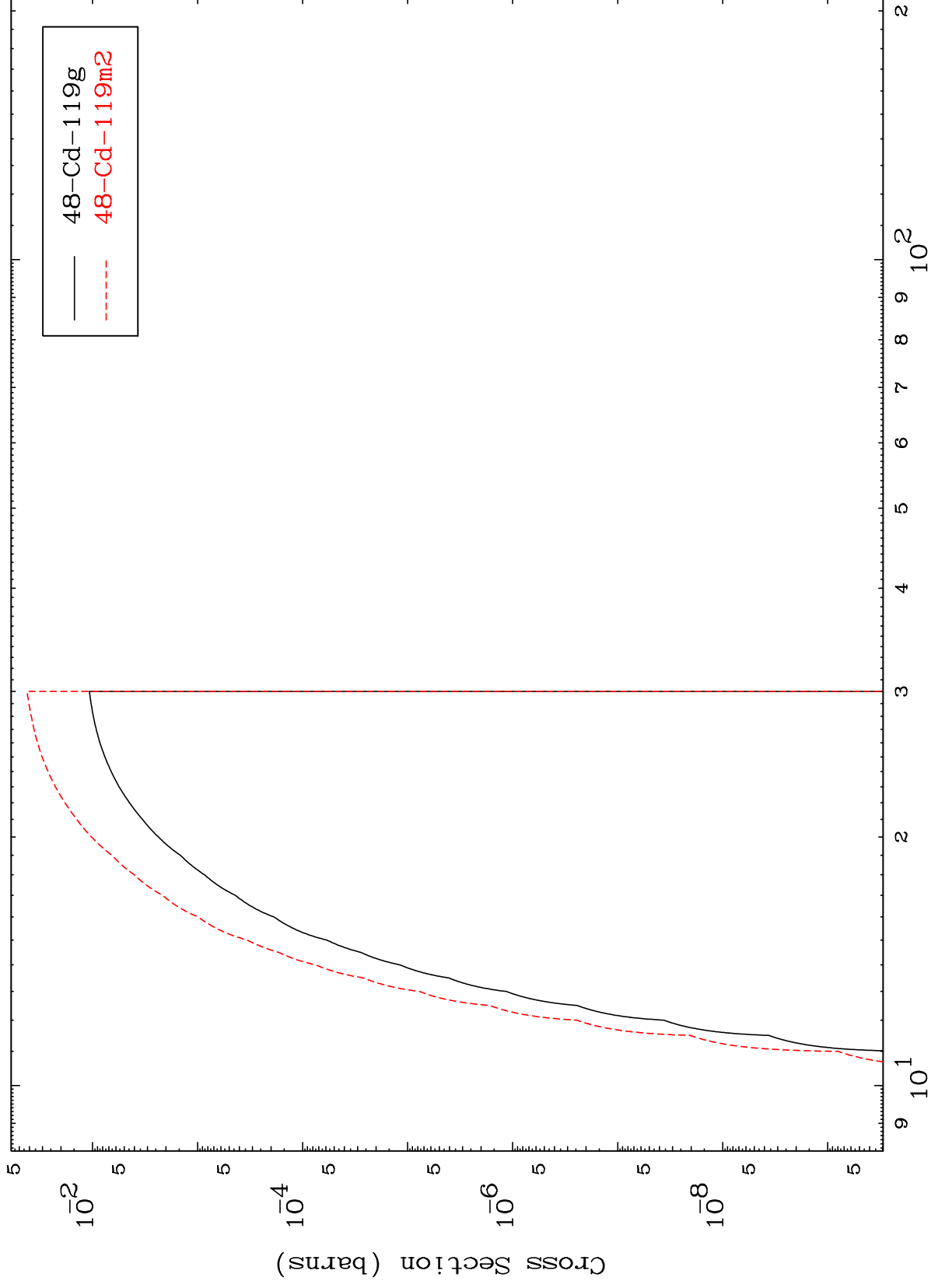
24

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(n,n') p

49-In-120n

Radionuclide Production Cross Section



25

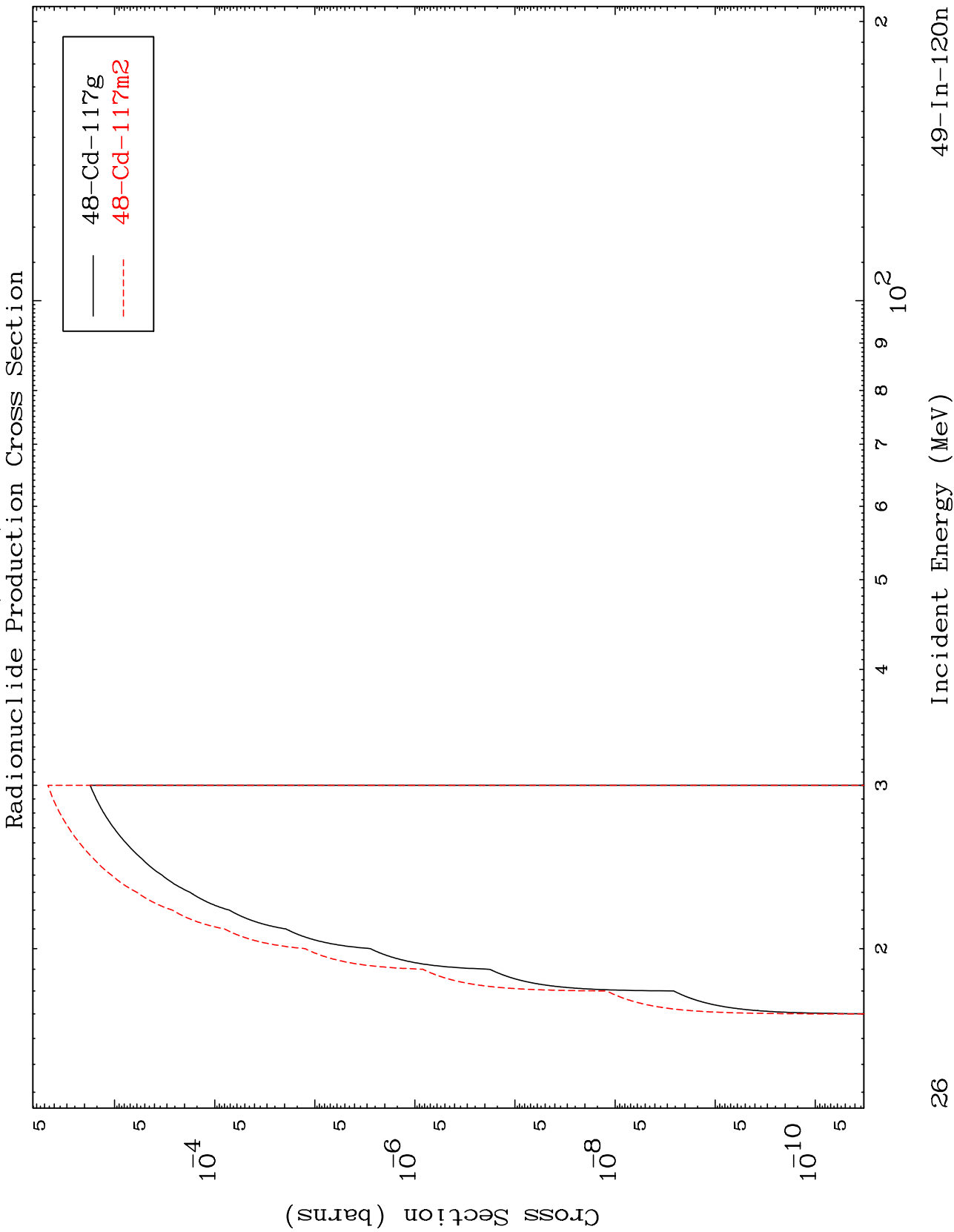
Incident Energy (MeV)

49-In-120n

MAT 4948

(n,n') t

49-In-120n



26

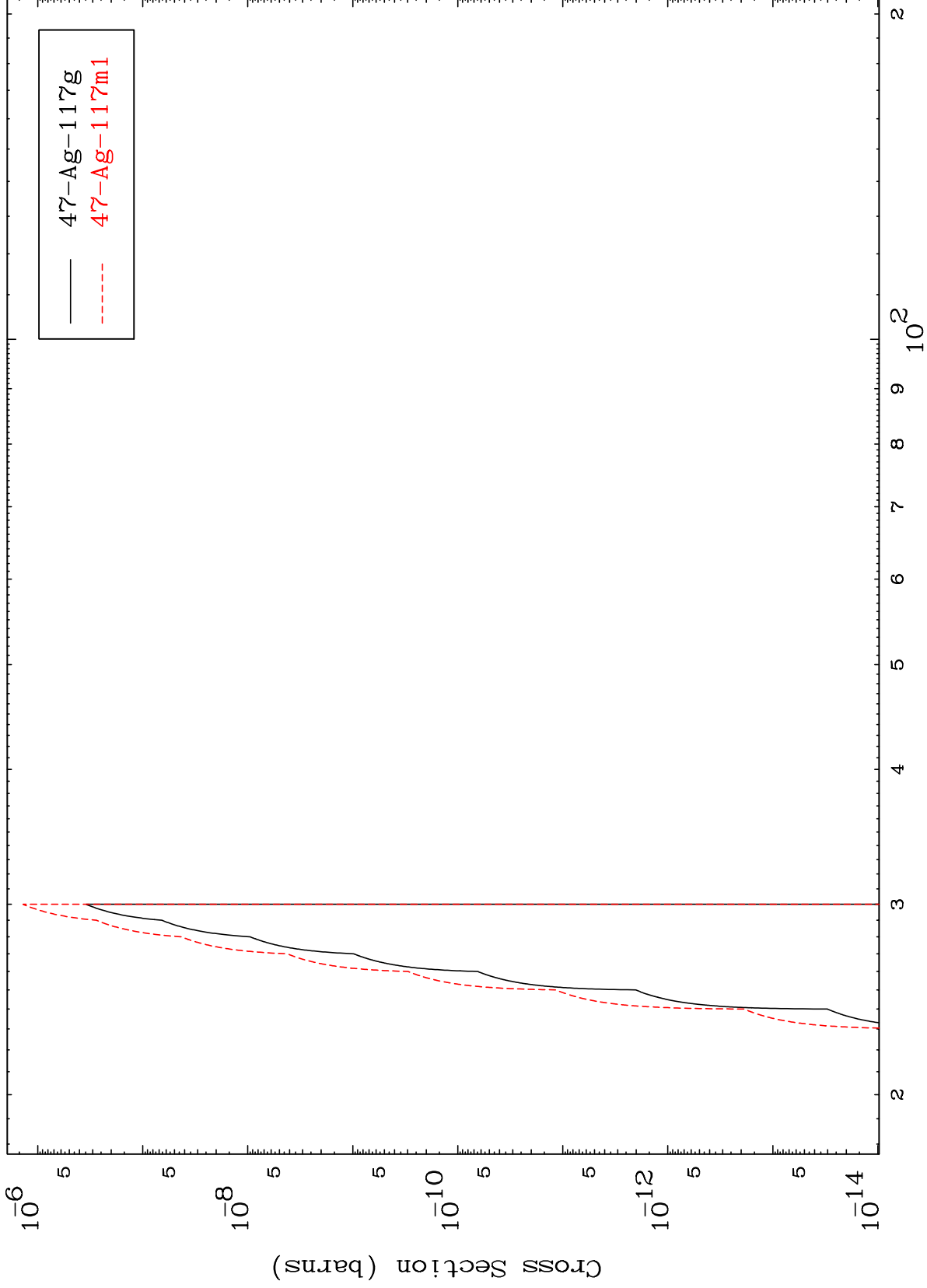
49-In-120n

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(n,n') He-3

49-In-120n

Radionuclide Production Cross Section



27

Incident Energy (MeV)

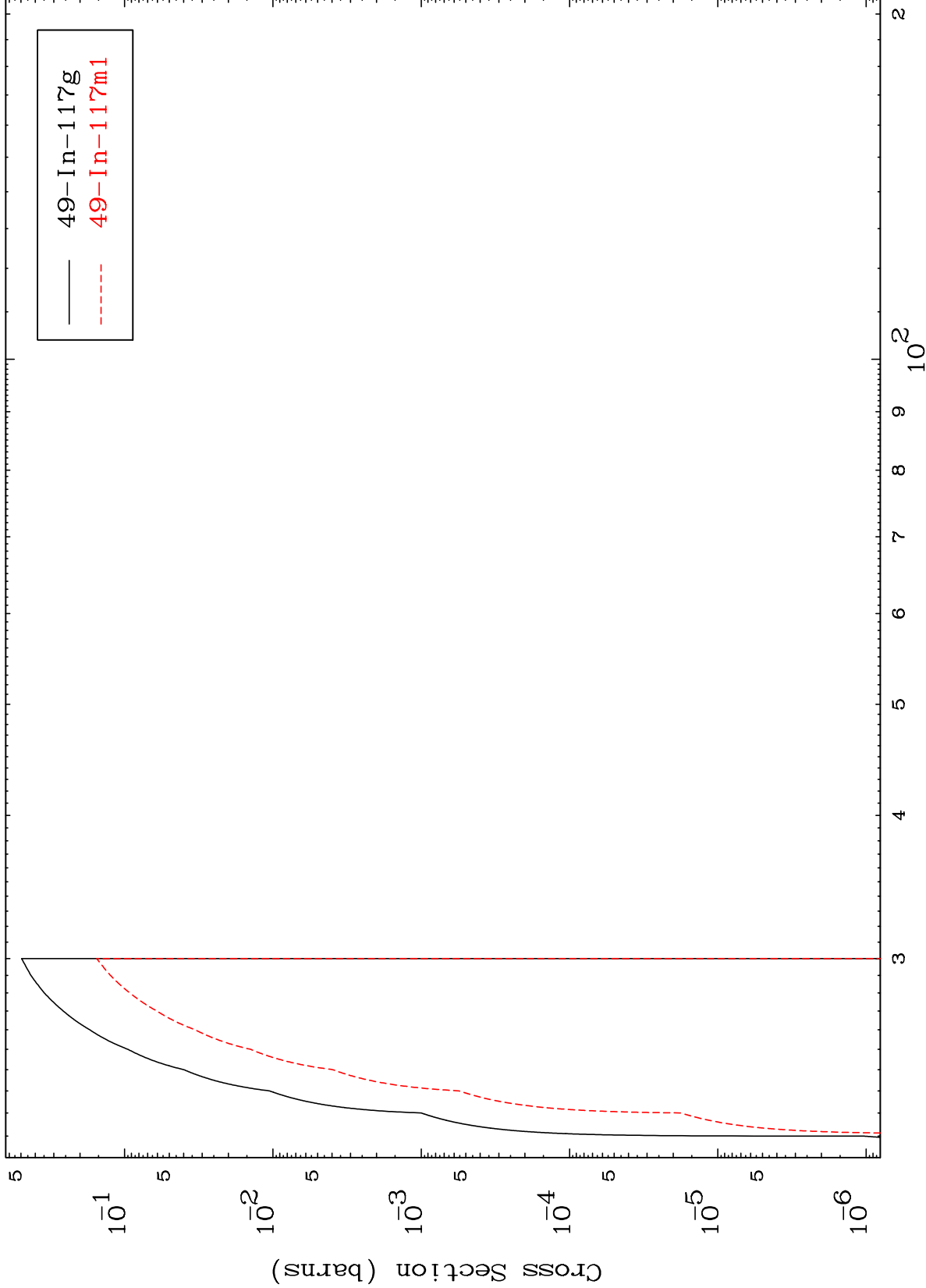
49-In-120n

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(n,4n)

49-In-120n

Radionuclide Production Cross Section



49-In-117g
49-In-117m1

28

Incident Energy (MeV)

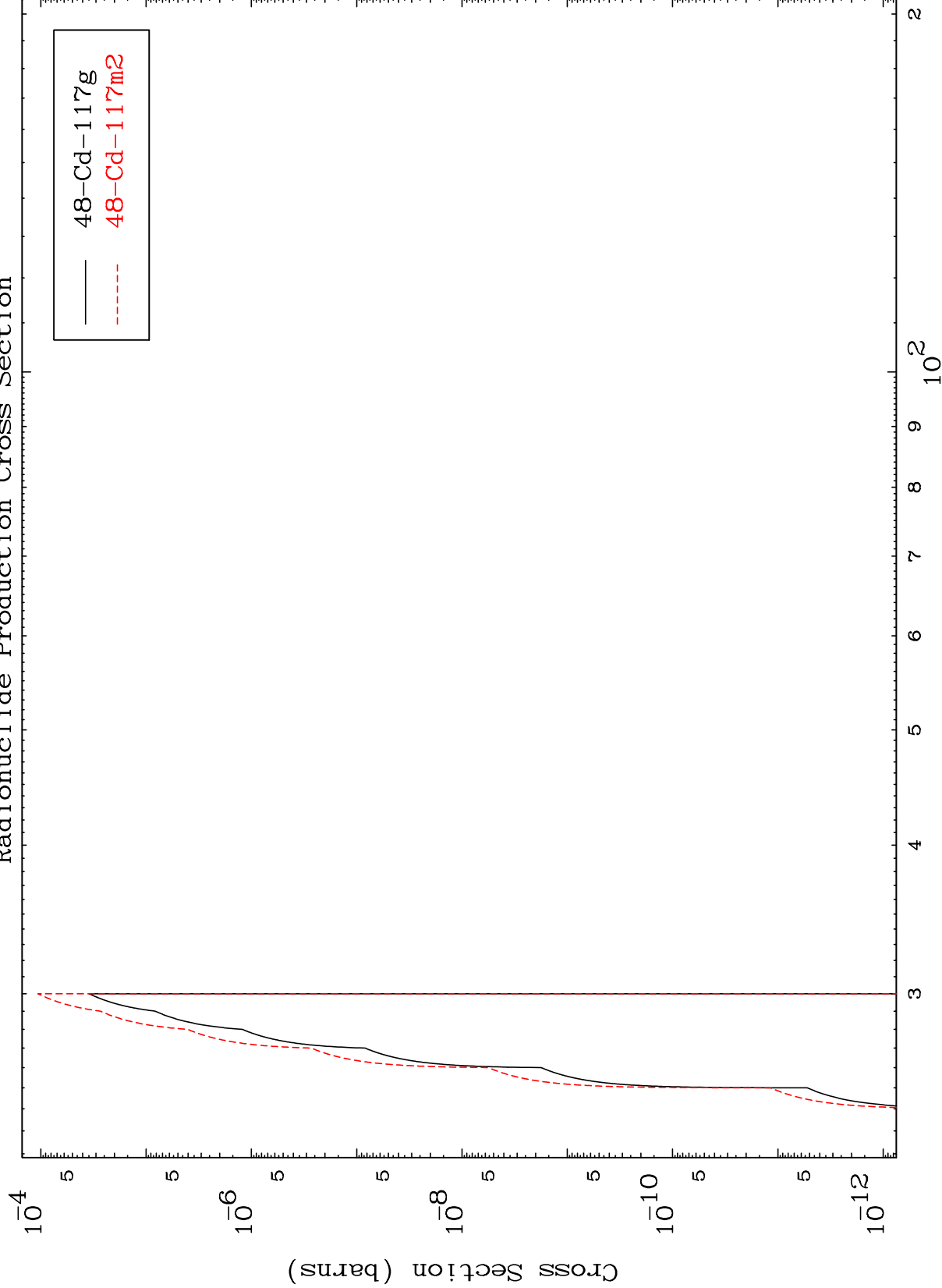
49-In-120n

MAT 4948

(n,3n) p

49-In-120n

Radionuclide Production Cross Section



29

Incident Energy (MeV)

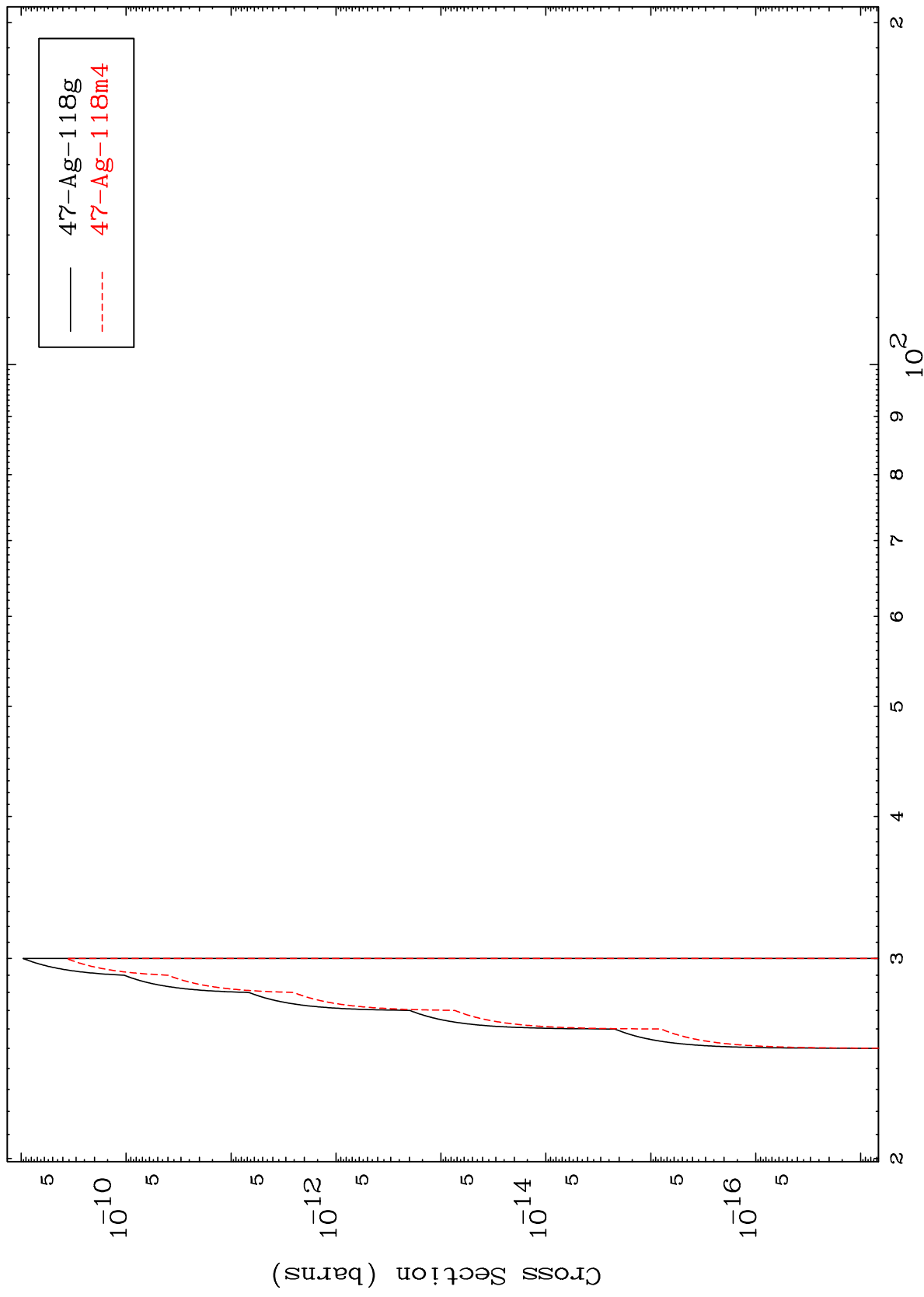
49-In-120n

MAT 4948

(n,2n) p

49-In-120n

Radionuclide Production Cross Section



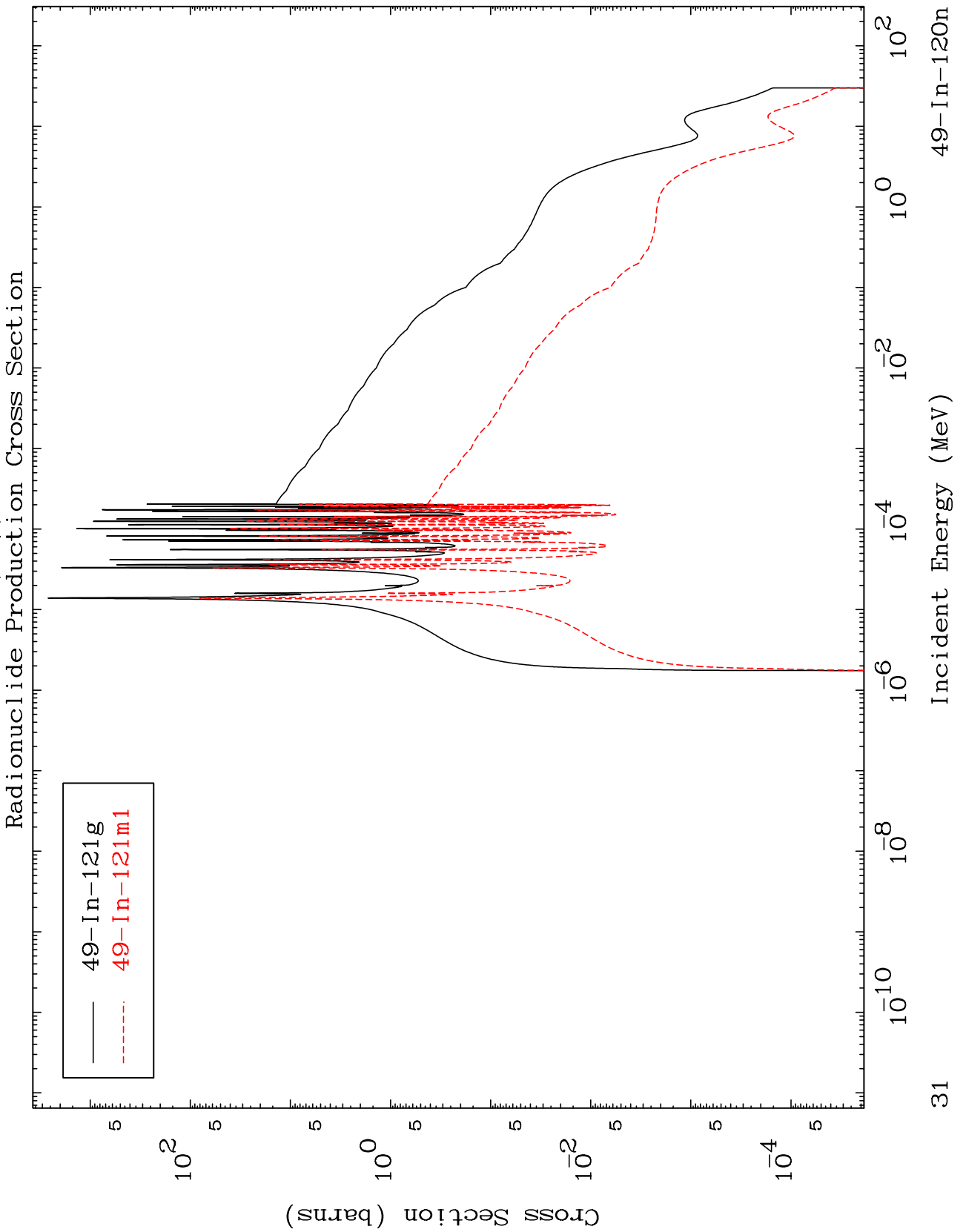
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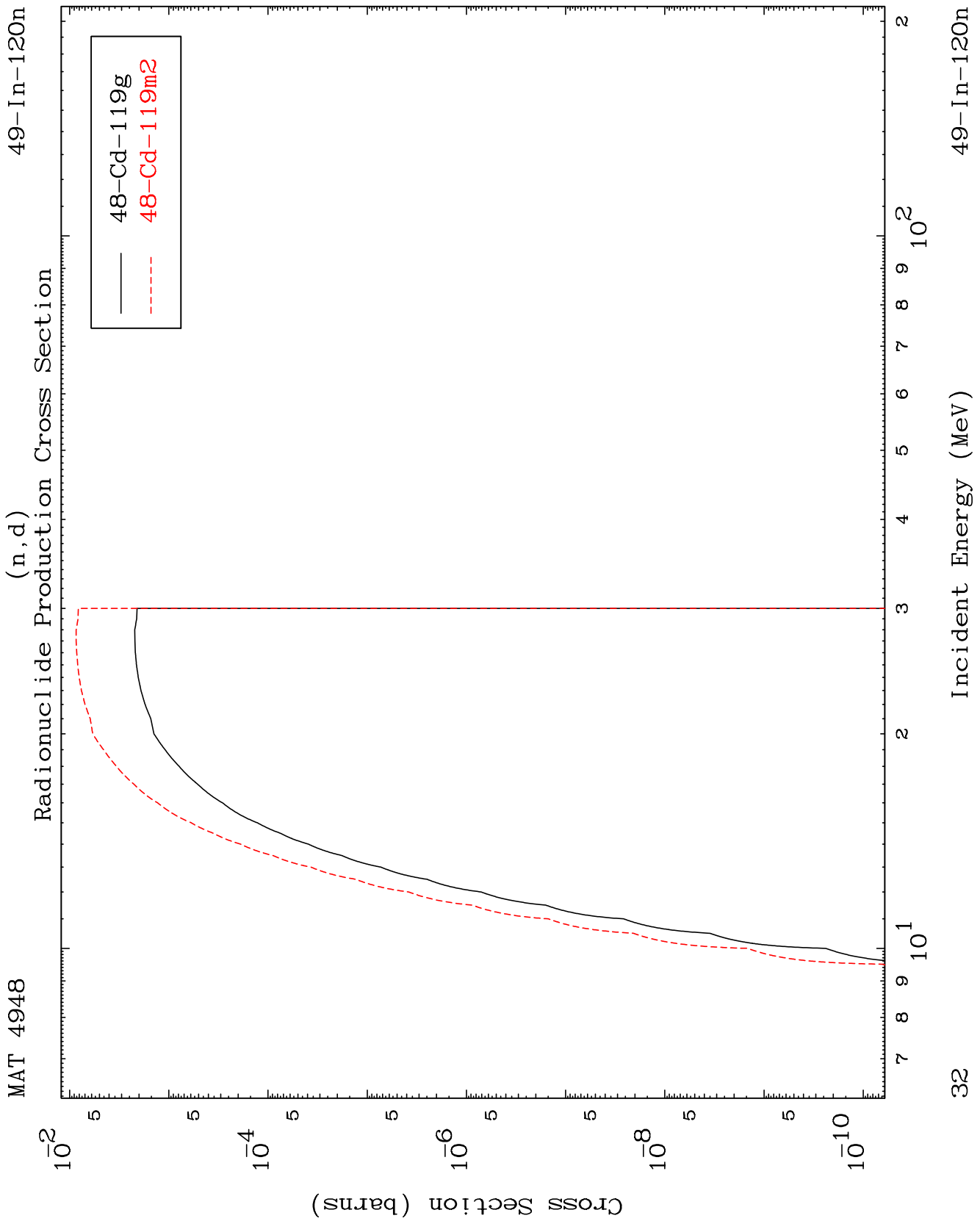
Incident Energy (MeV)

49-In-120n

MAT 4948

49-In-120n

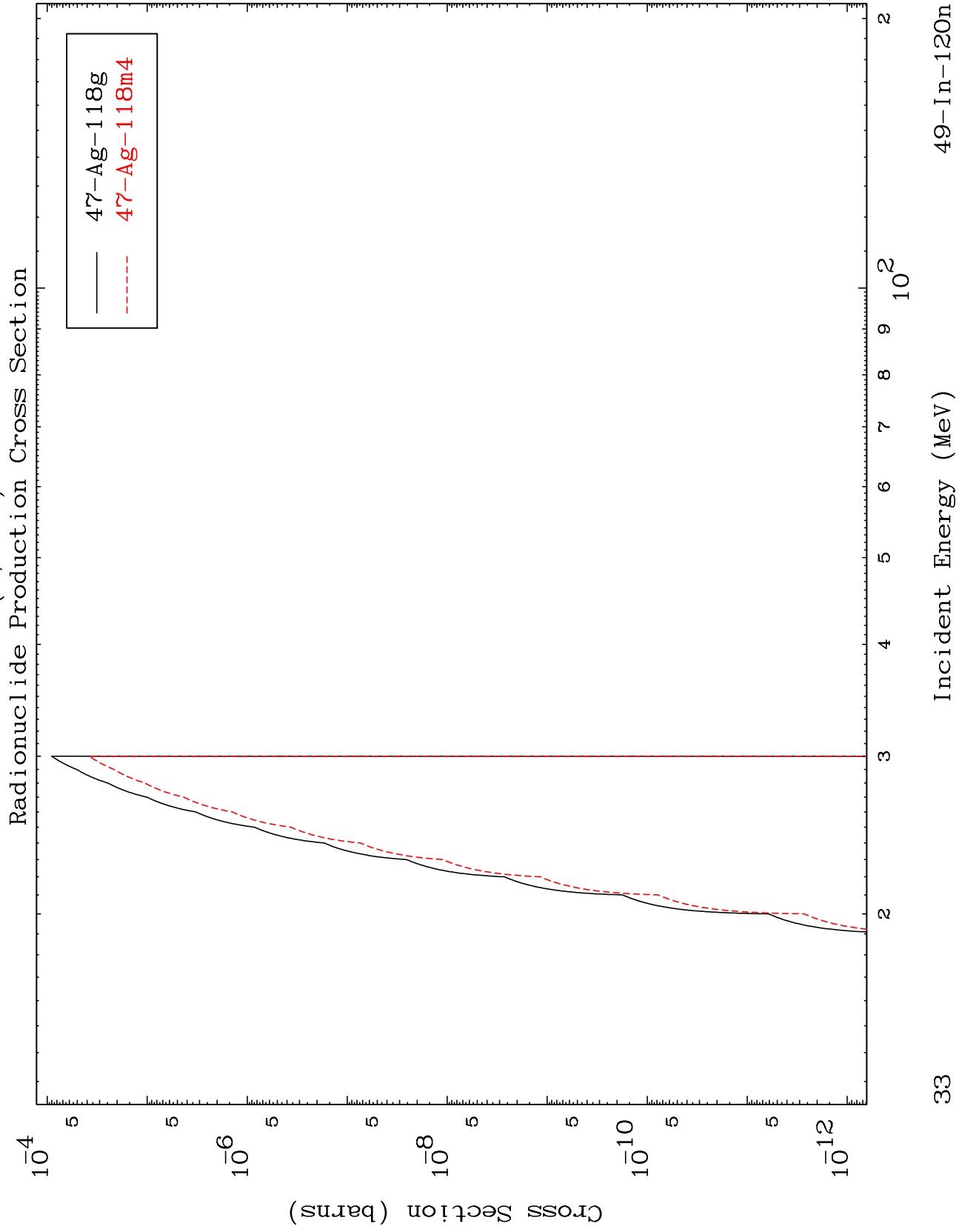




MAT 4948

(n,He-3)

49-In-120n



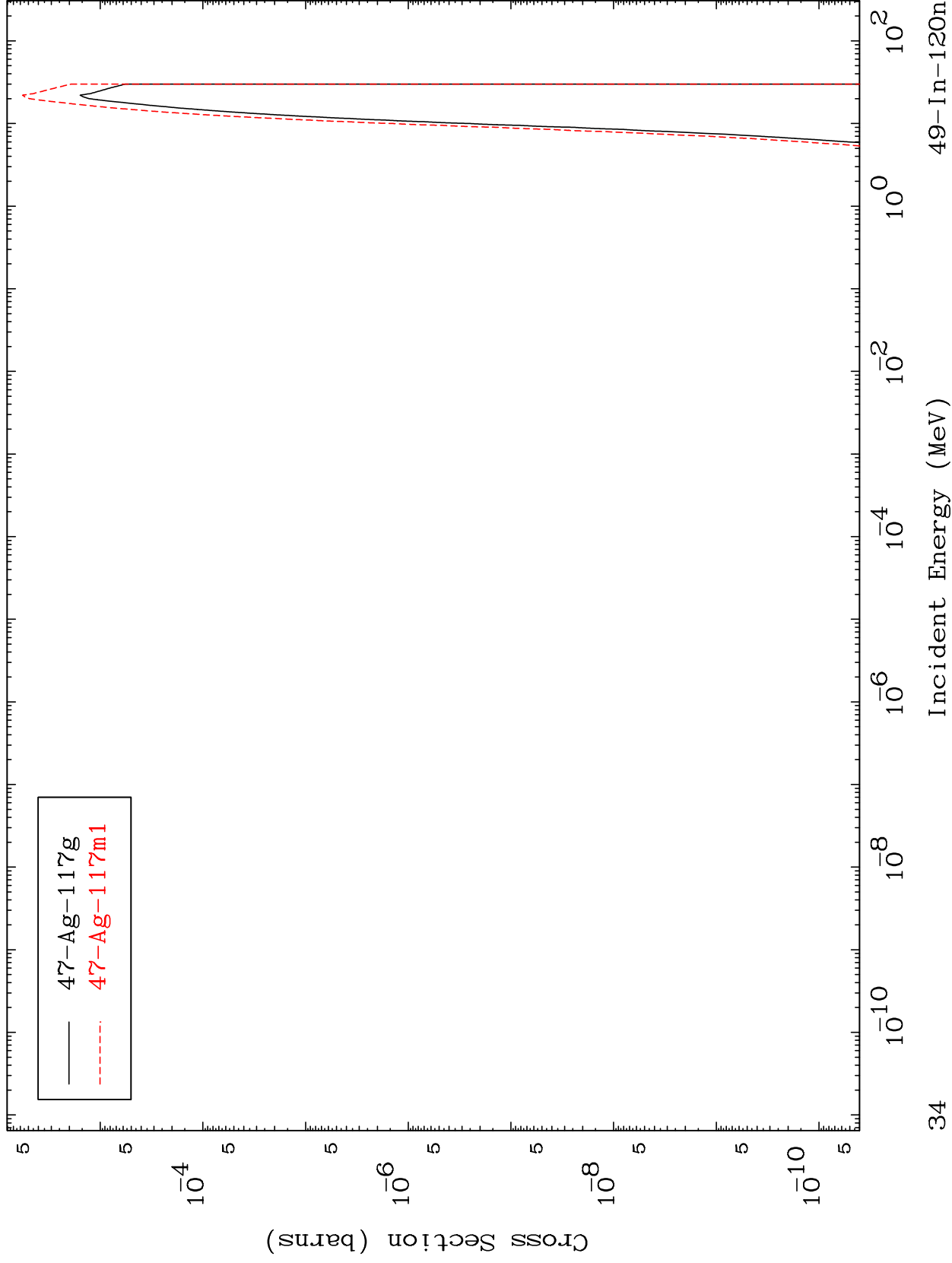
33

MAT 4948

(n, α)

49-In-120n

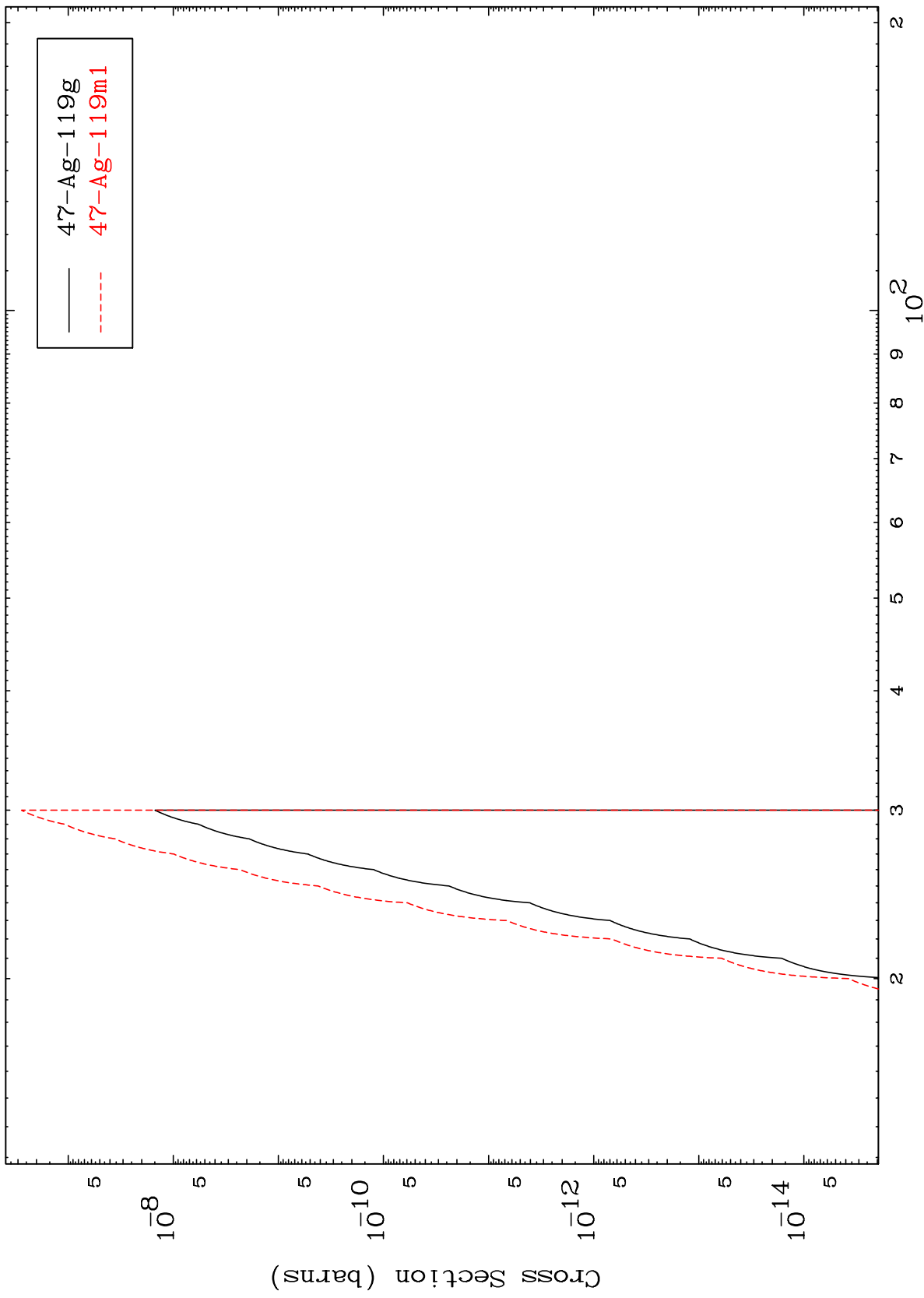
Radionuclide Production Cross Section



MAT 4948

49-In-120n

(n,2p)
Radionuclide Production Cross Section



35

49-In-120n

Incident Energy (MeV)