

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

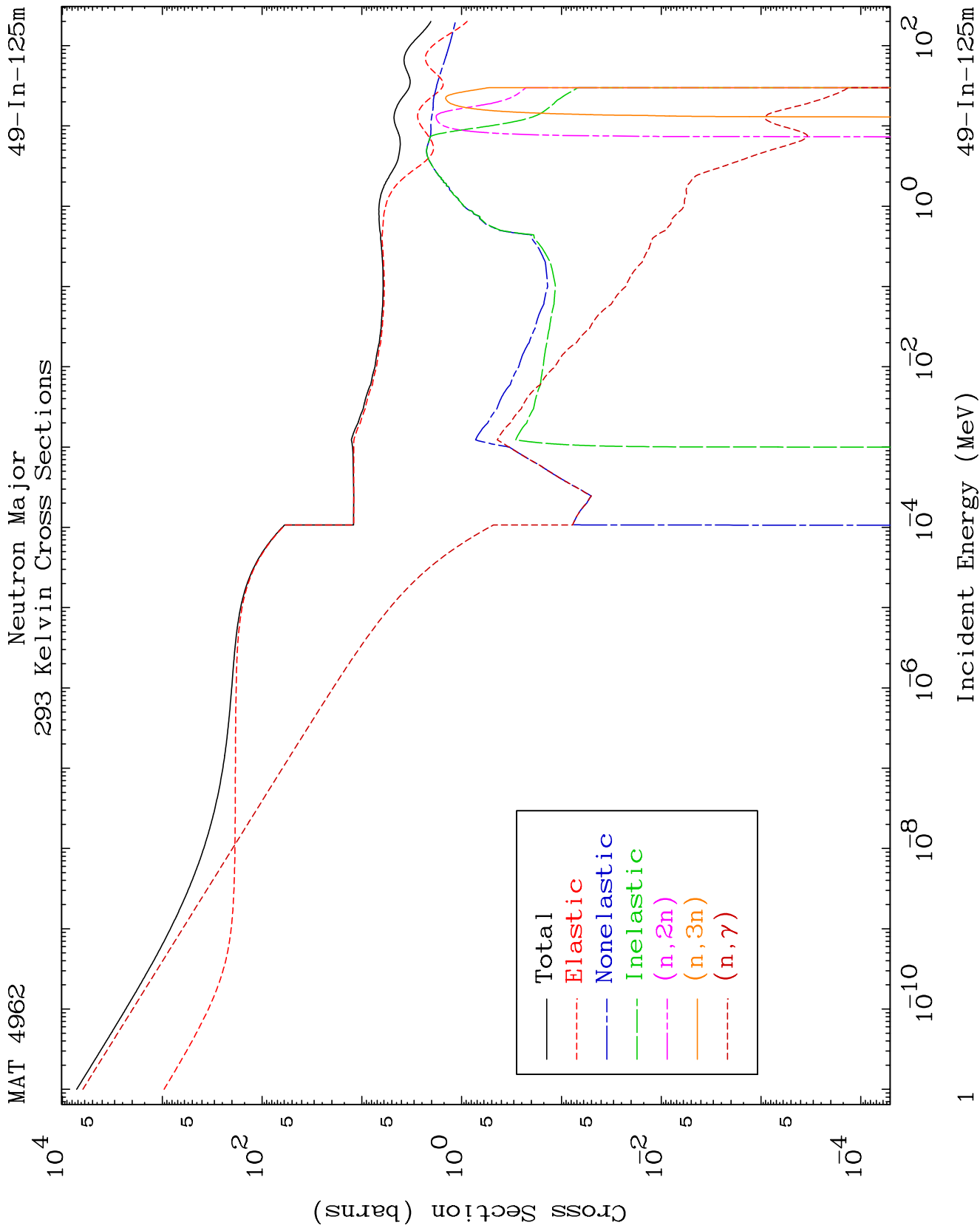
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Web:redcullen1.net/HOMEPAGE.NEW

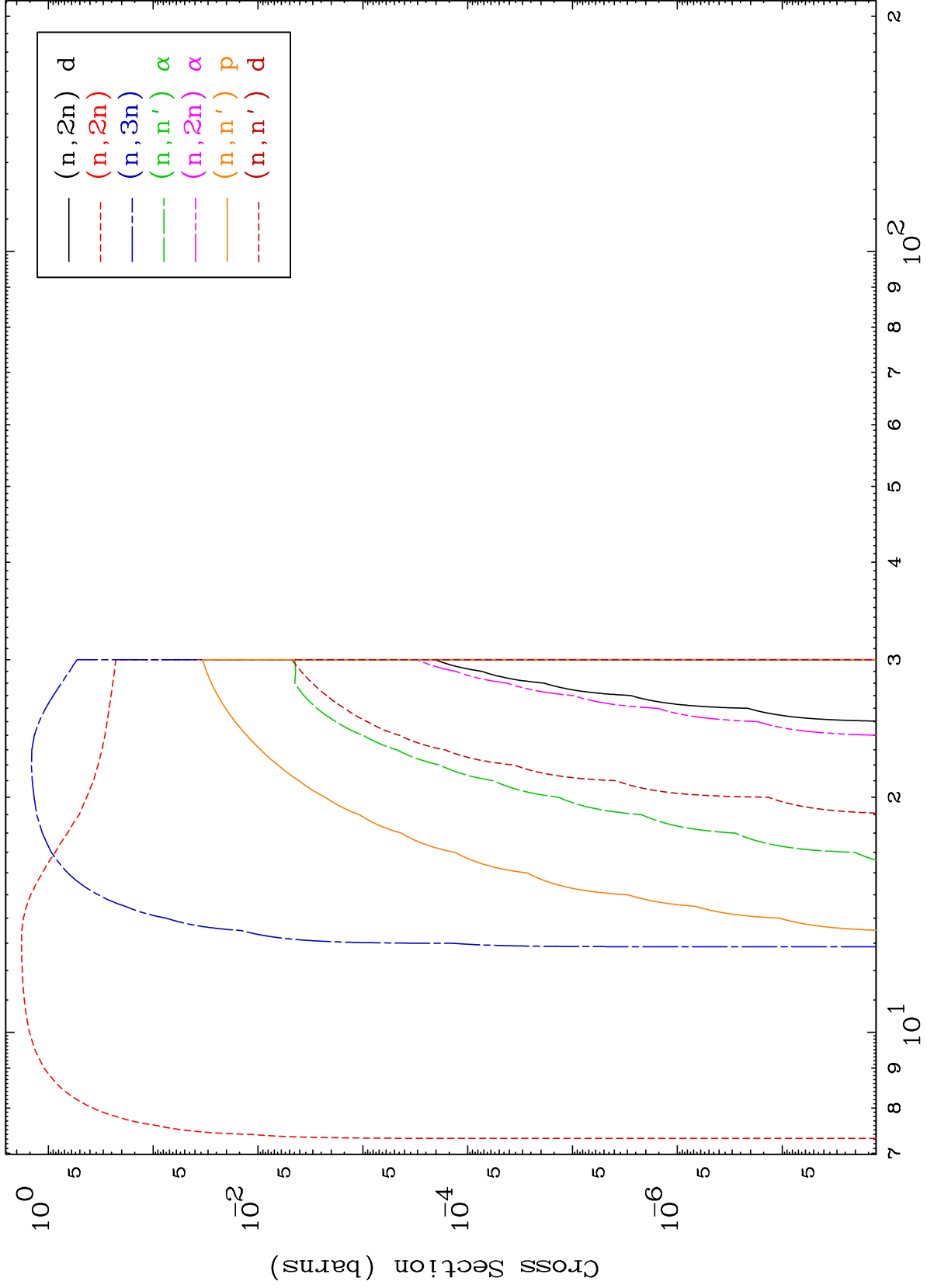
Press Mouse Button to Start



MAT 4962

Neutron Absorption
293 Kelvin Cross Sections

49-In-125m



2

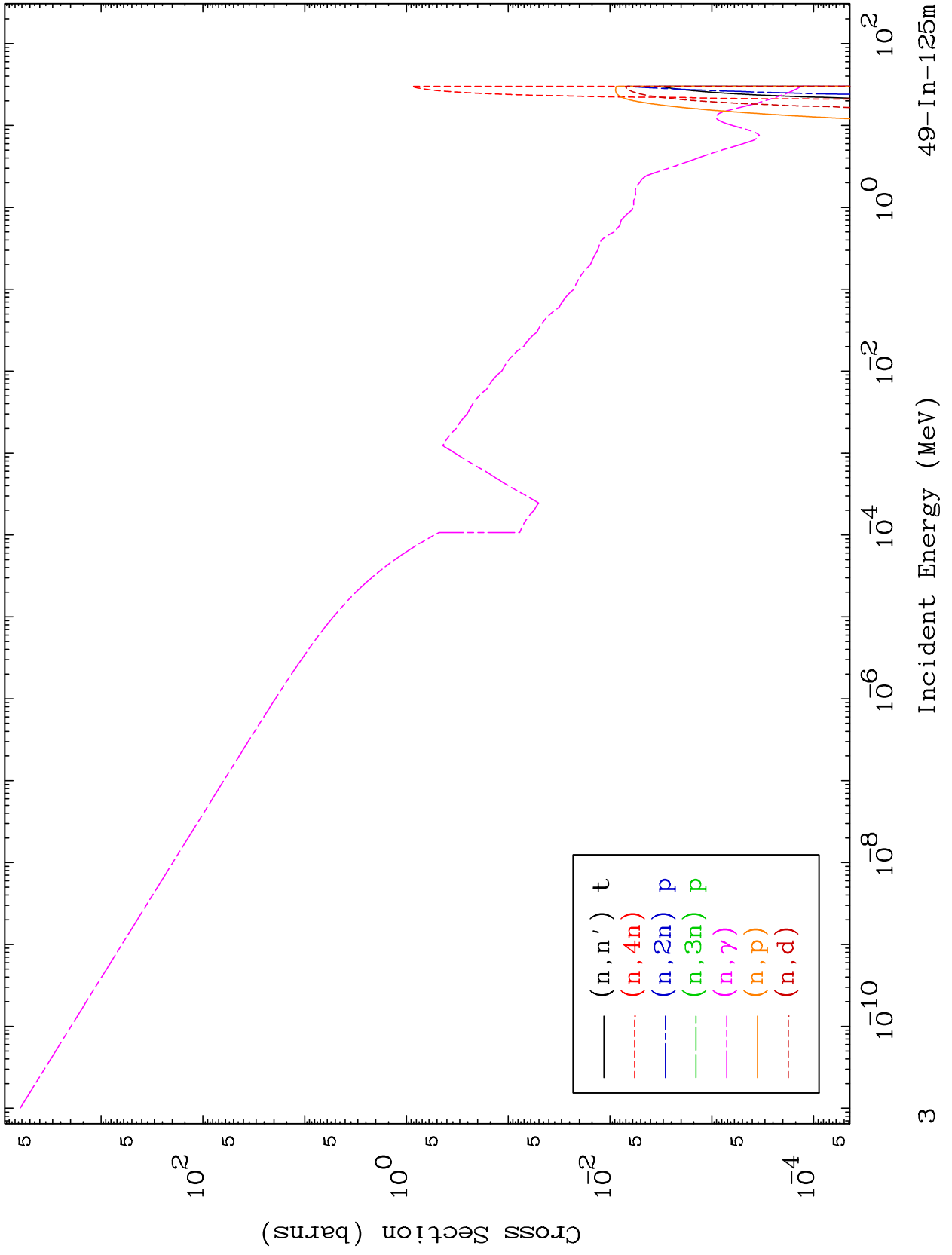
Incident Energy (MeV)

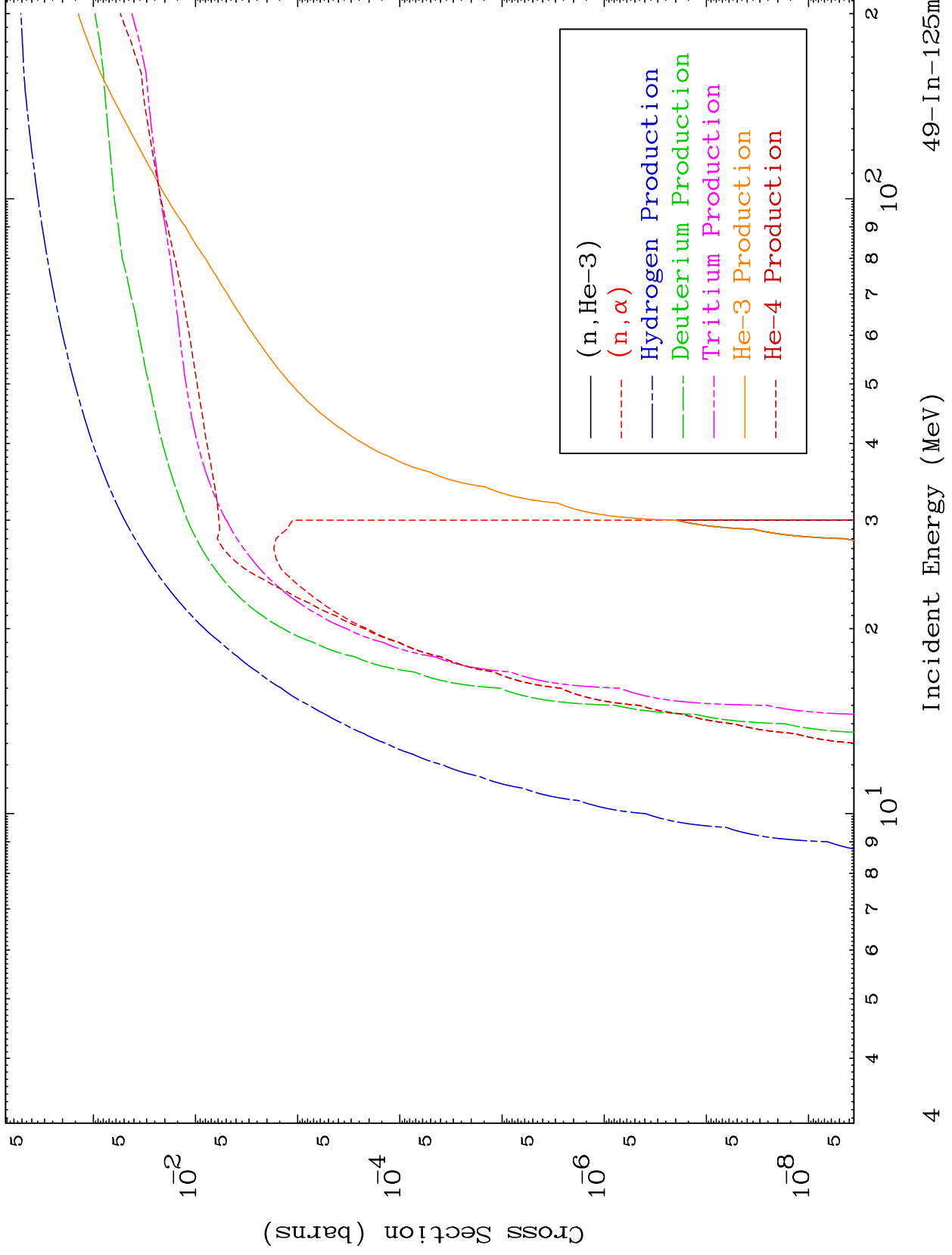
49-In-125m

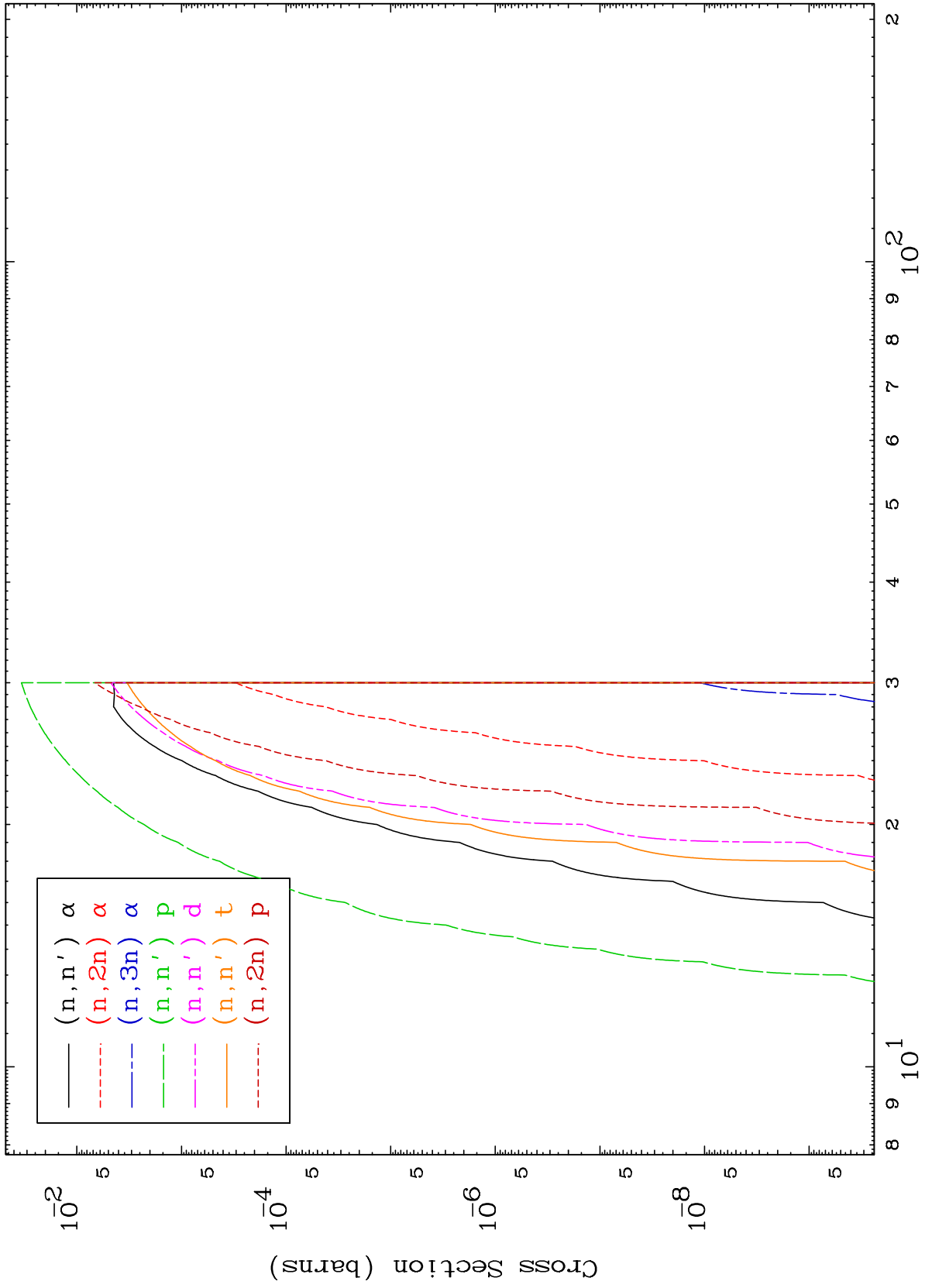
MAT 4962

Neutron Absorption
293 Kelvin Cross Sections

49-In-125m



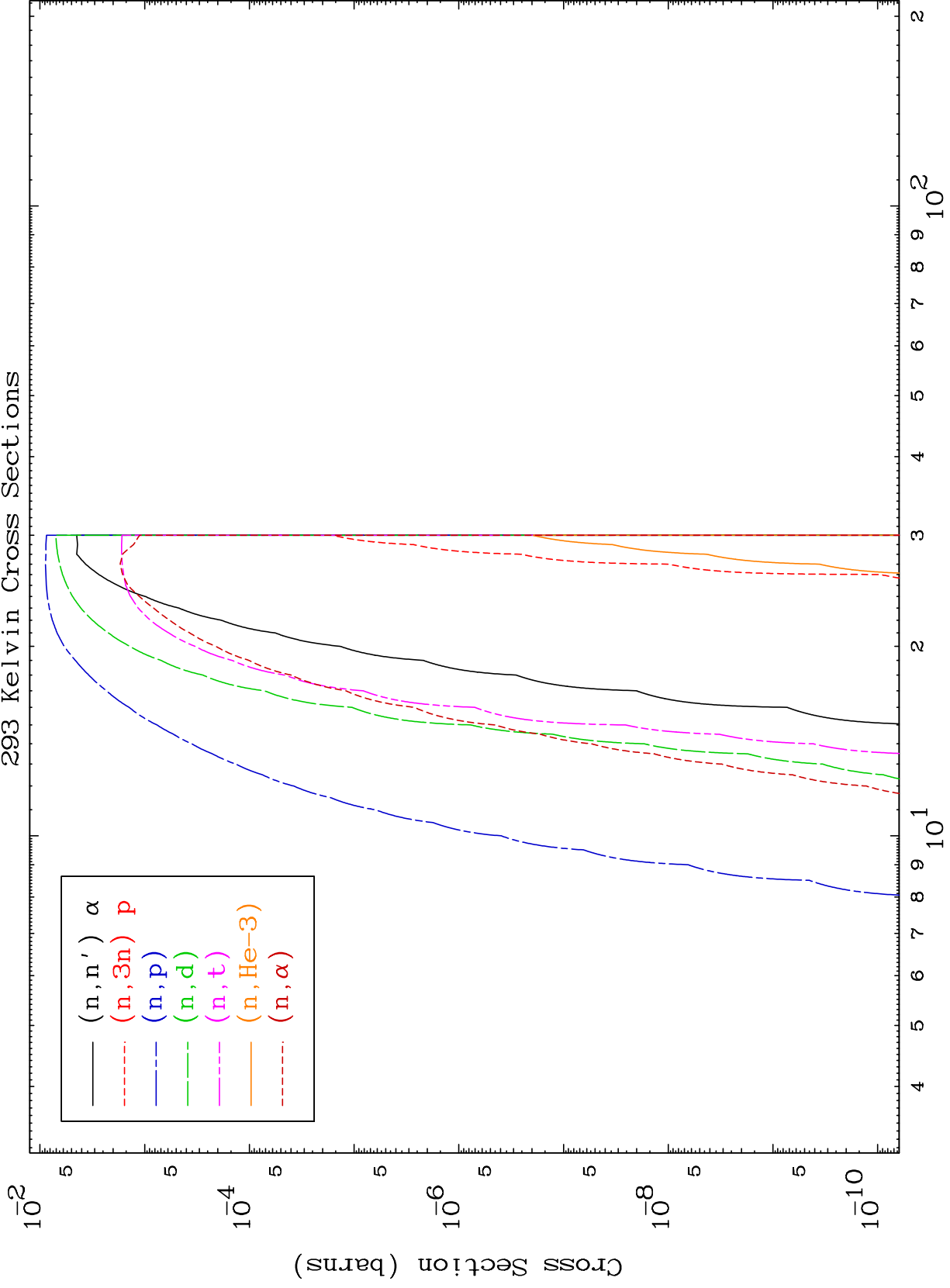


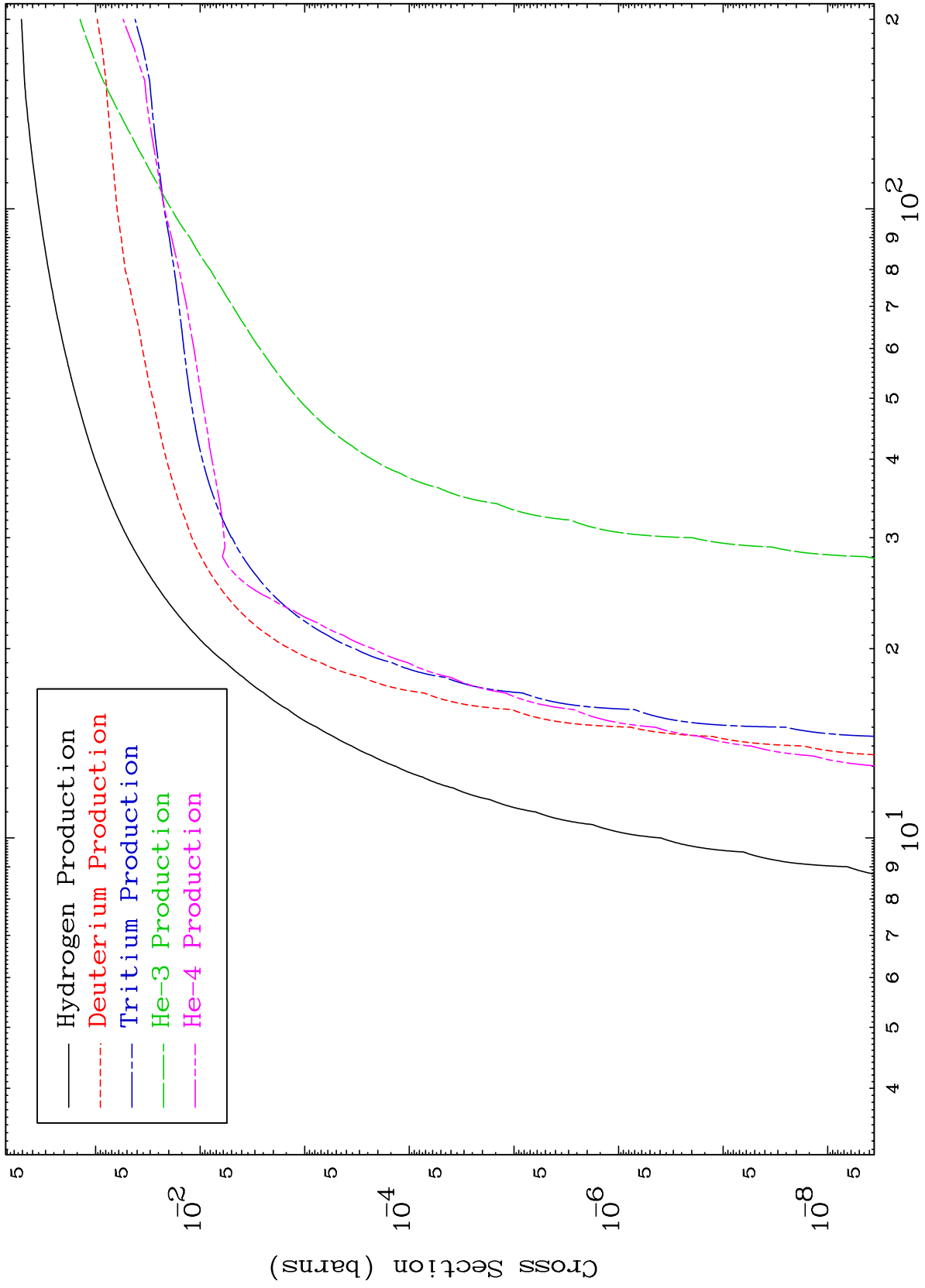


MAT 4962

Charged Particle
293 Kelvin Cross Sections

49-In-125m

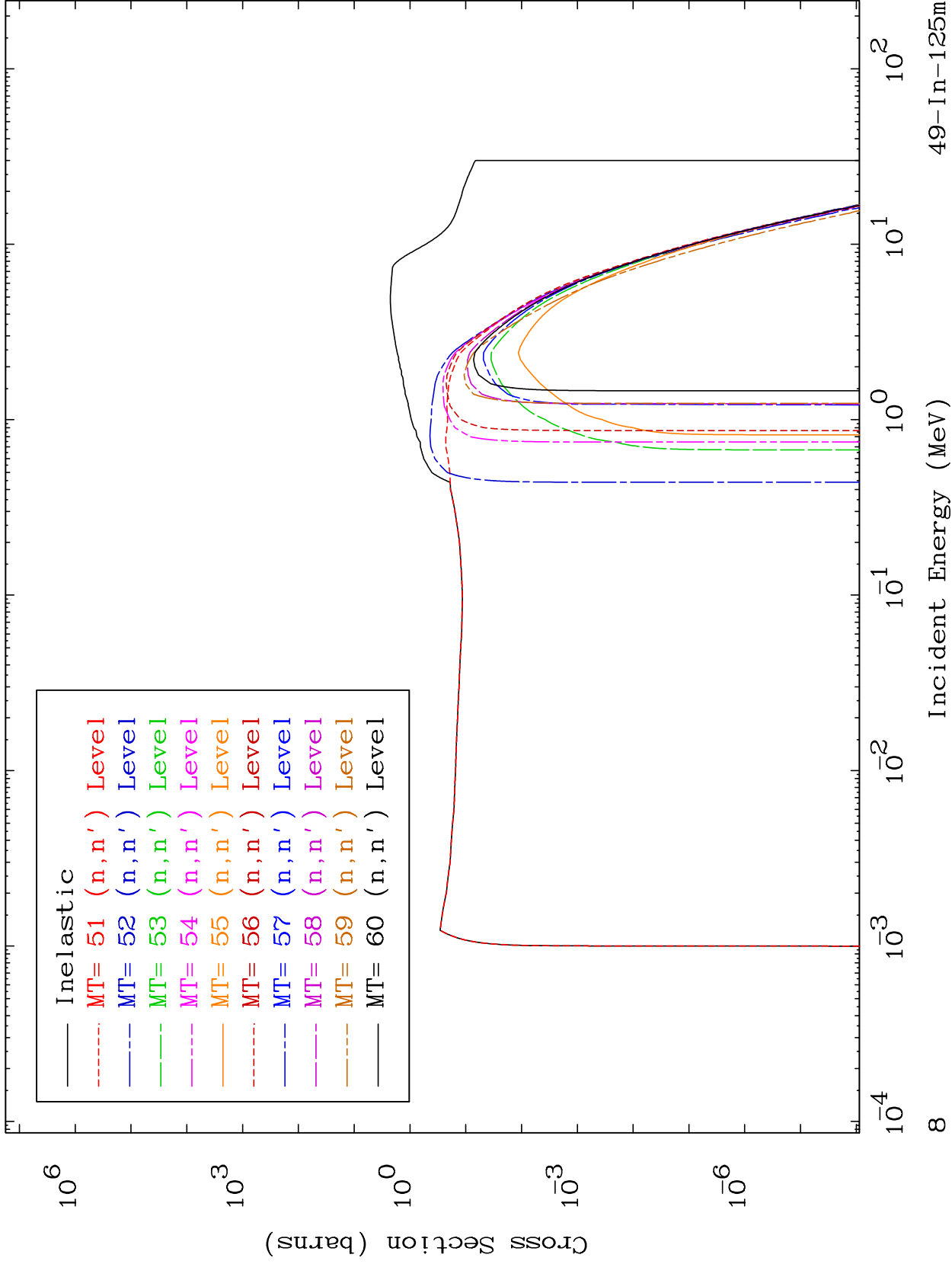




MAT 4962

(n,n') Levels
293 Kelvin Cross Sections

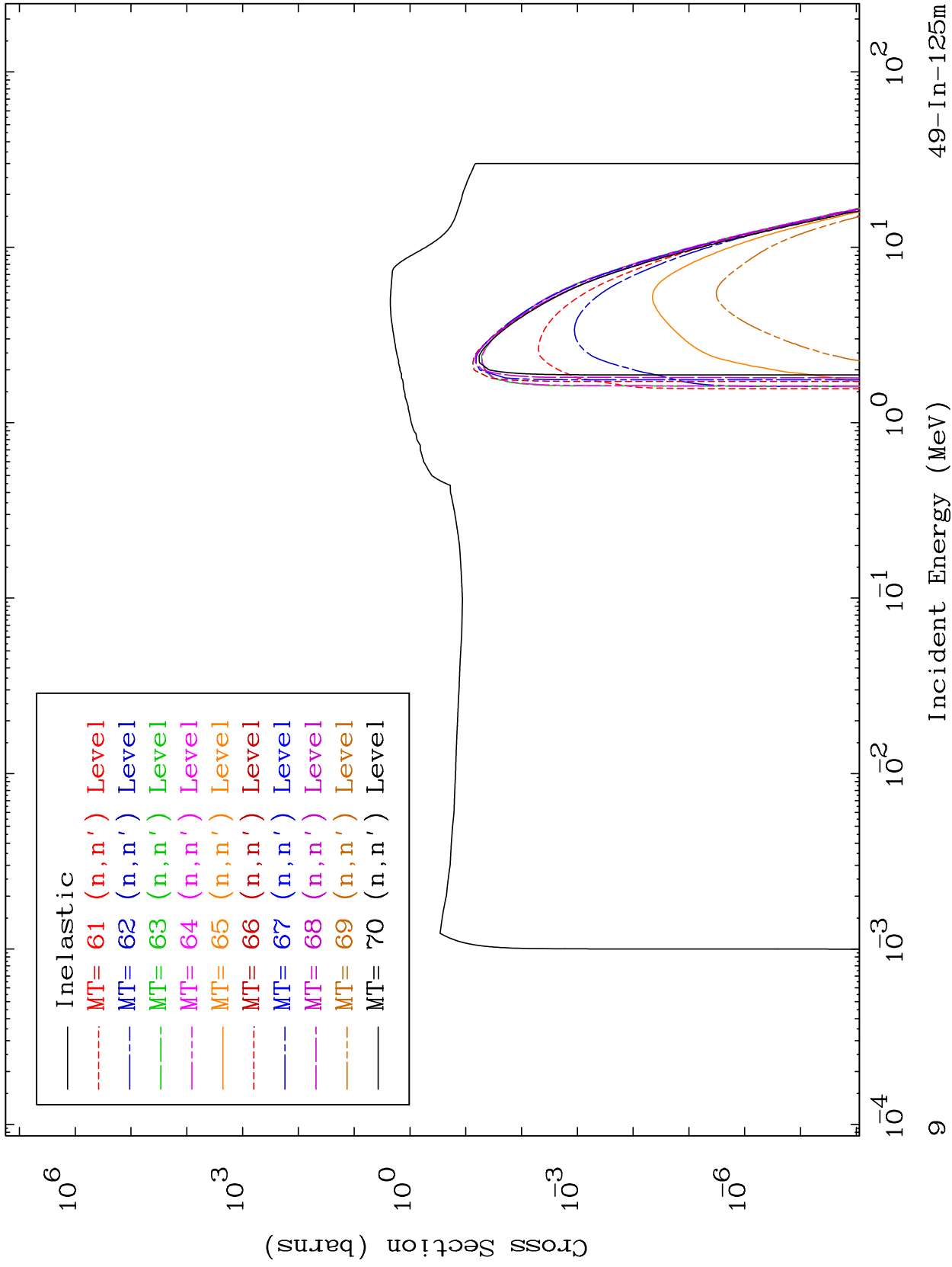
49-In-125m



MAT 4962

(n,n') Levels
293 Kelvin Cross Sections

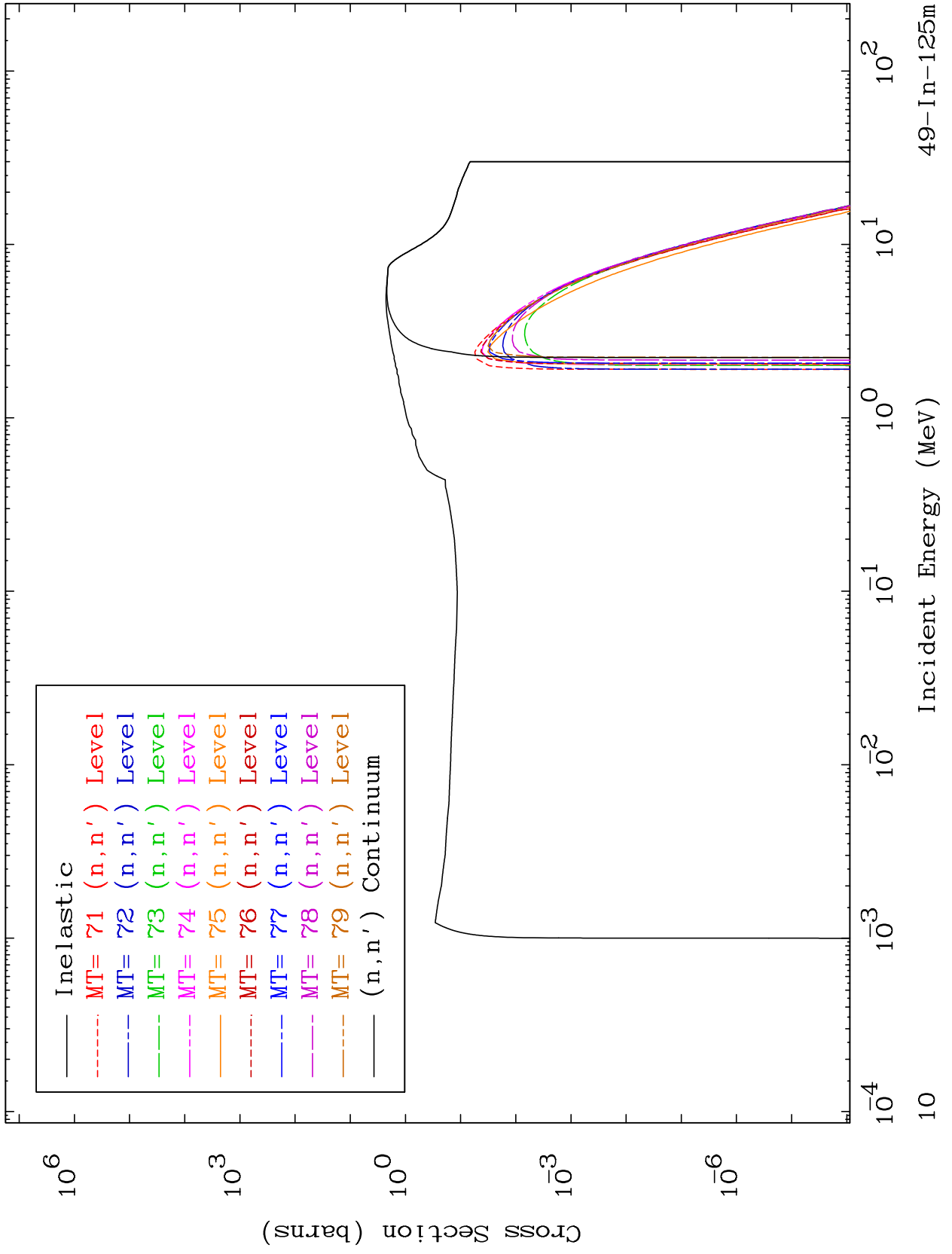
49-In-125m



MAT 4962

(n,n') Levels
293 Kelvin Cross Sections

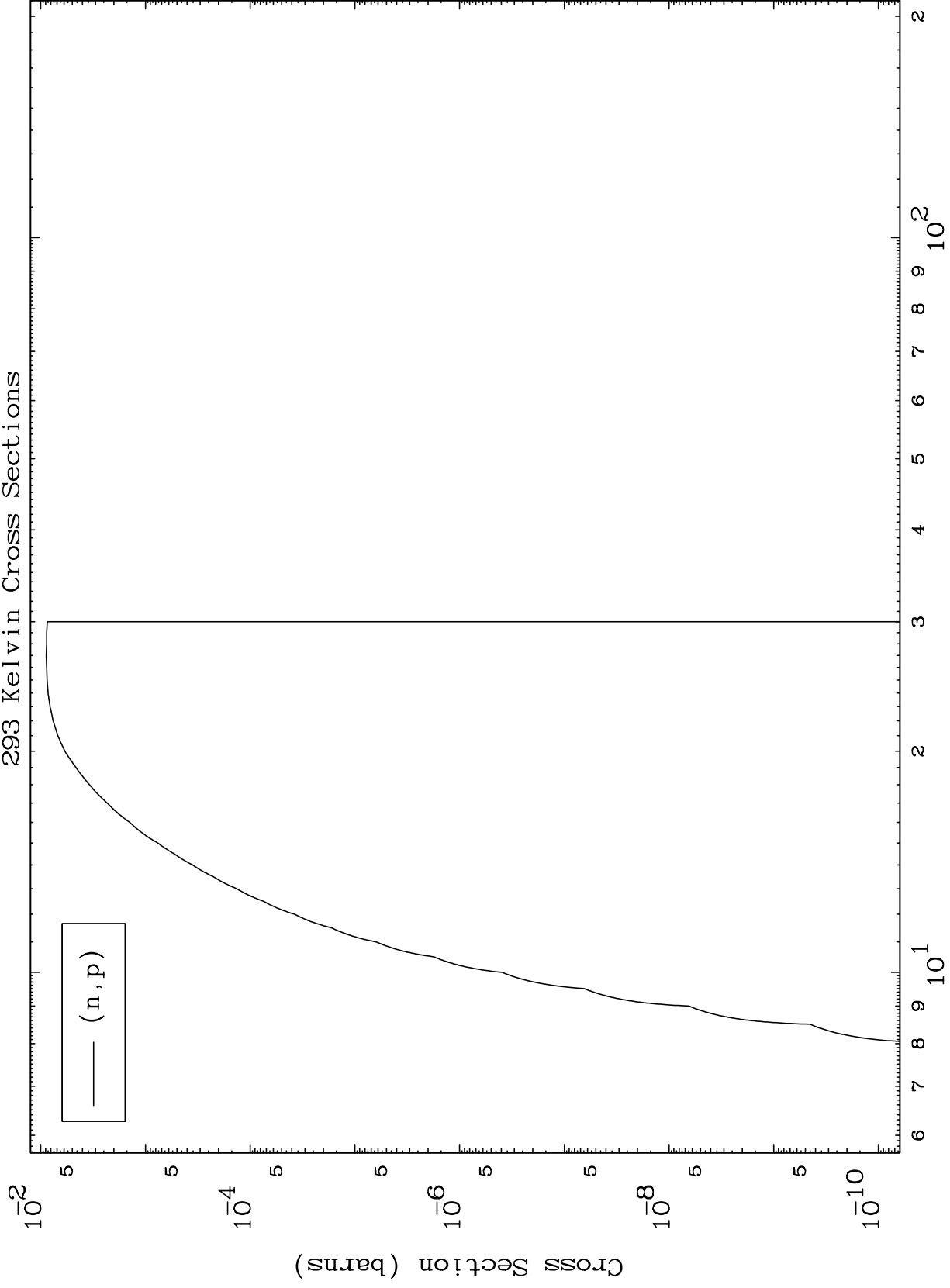
49-In-125m



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(n,p) Levels
293 Kelvin Cross Sections

49-In-125m



11

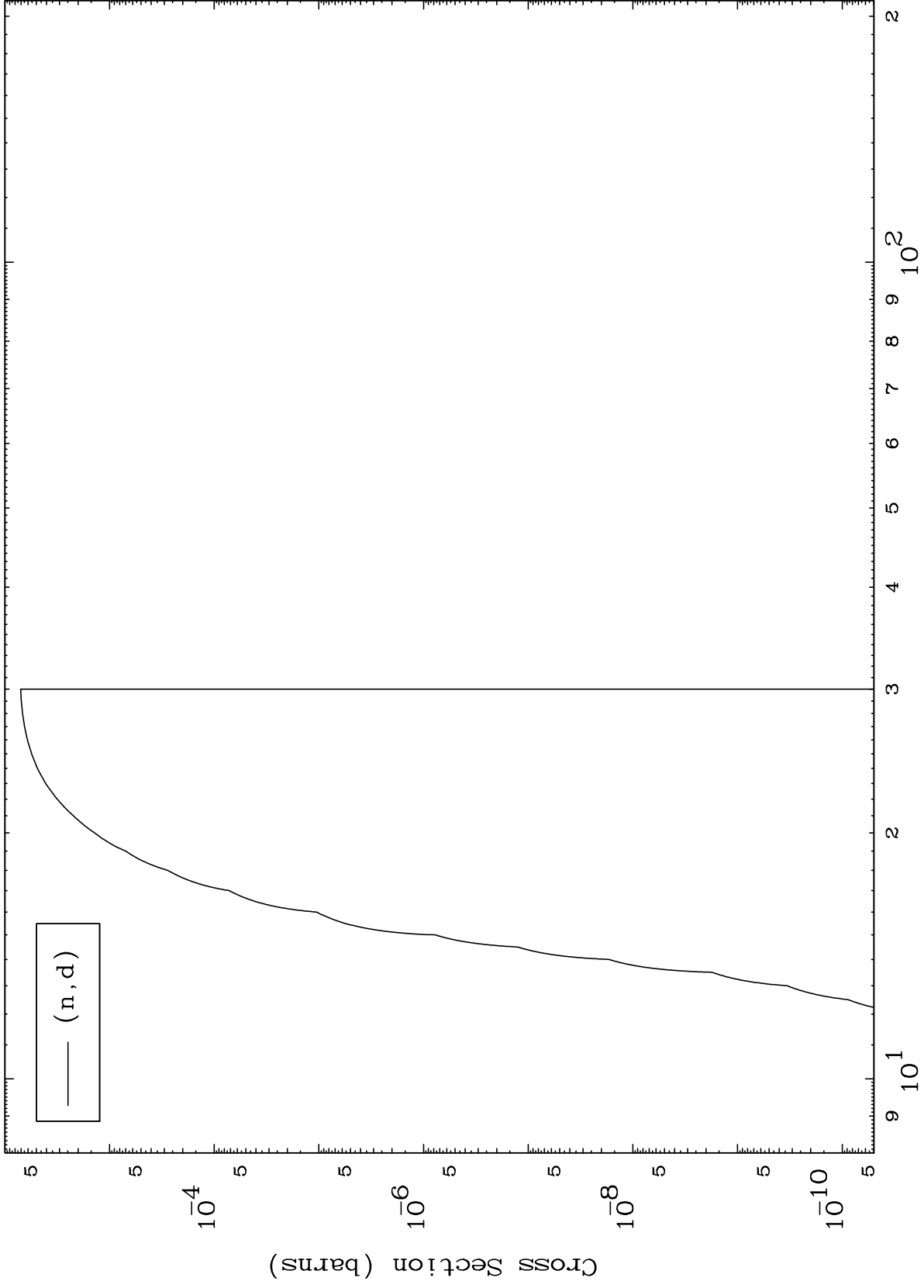
Incident Energy (MeV)

49-In-125m

MAT 4962

(n,d) Levels
293 Kelvin Cross Sections

49-In-125m



12

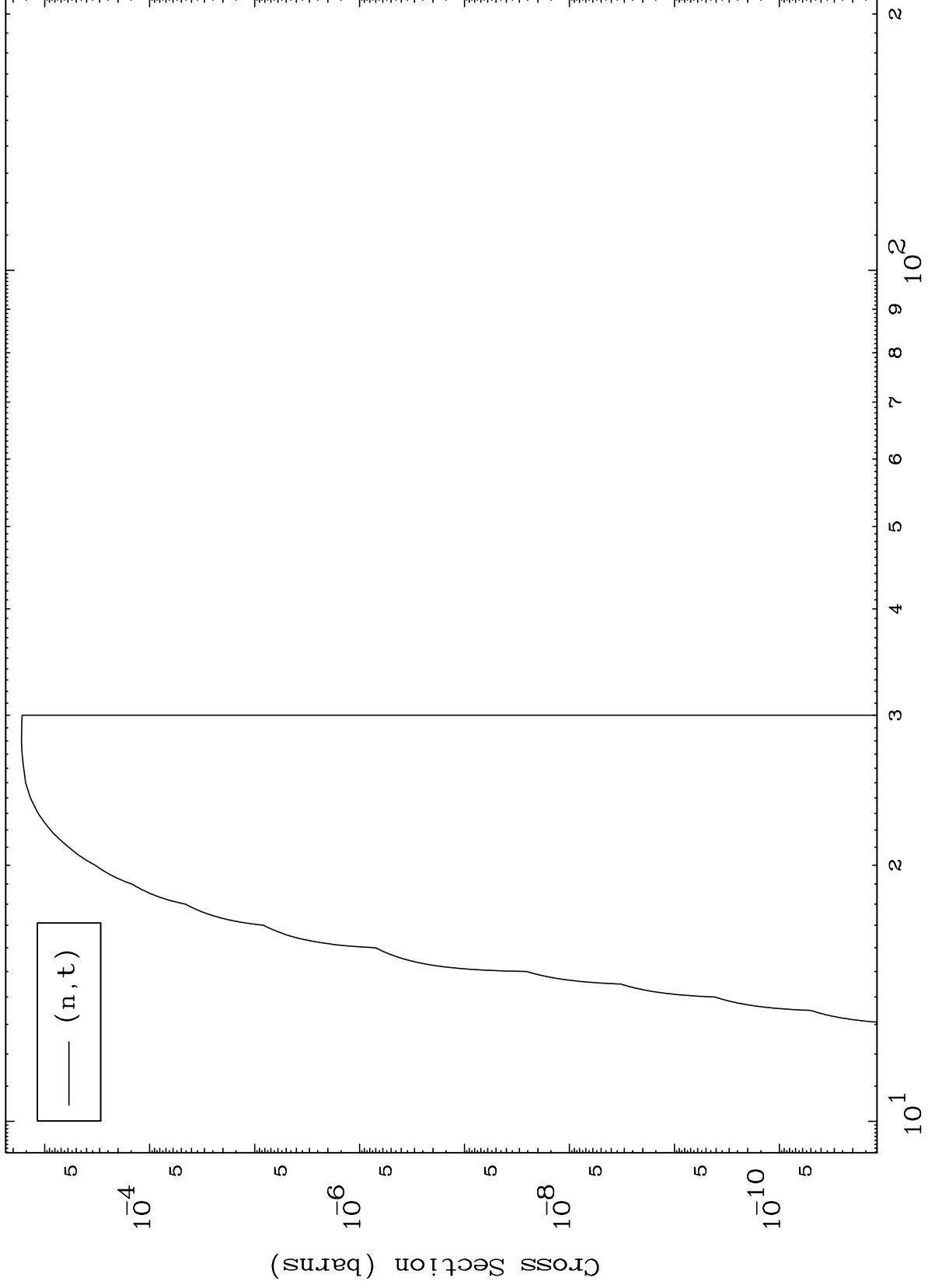
Incident Energy (MeV)

49-In-125m

MAT 4962

(n,t) Levels
293 Kelvin Cross Sections

49-In-125m



13

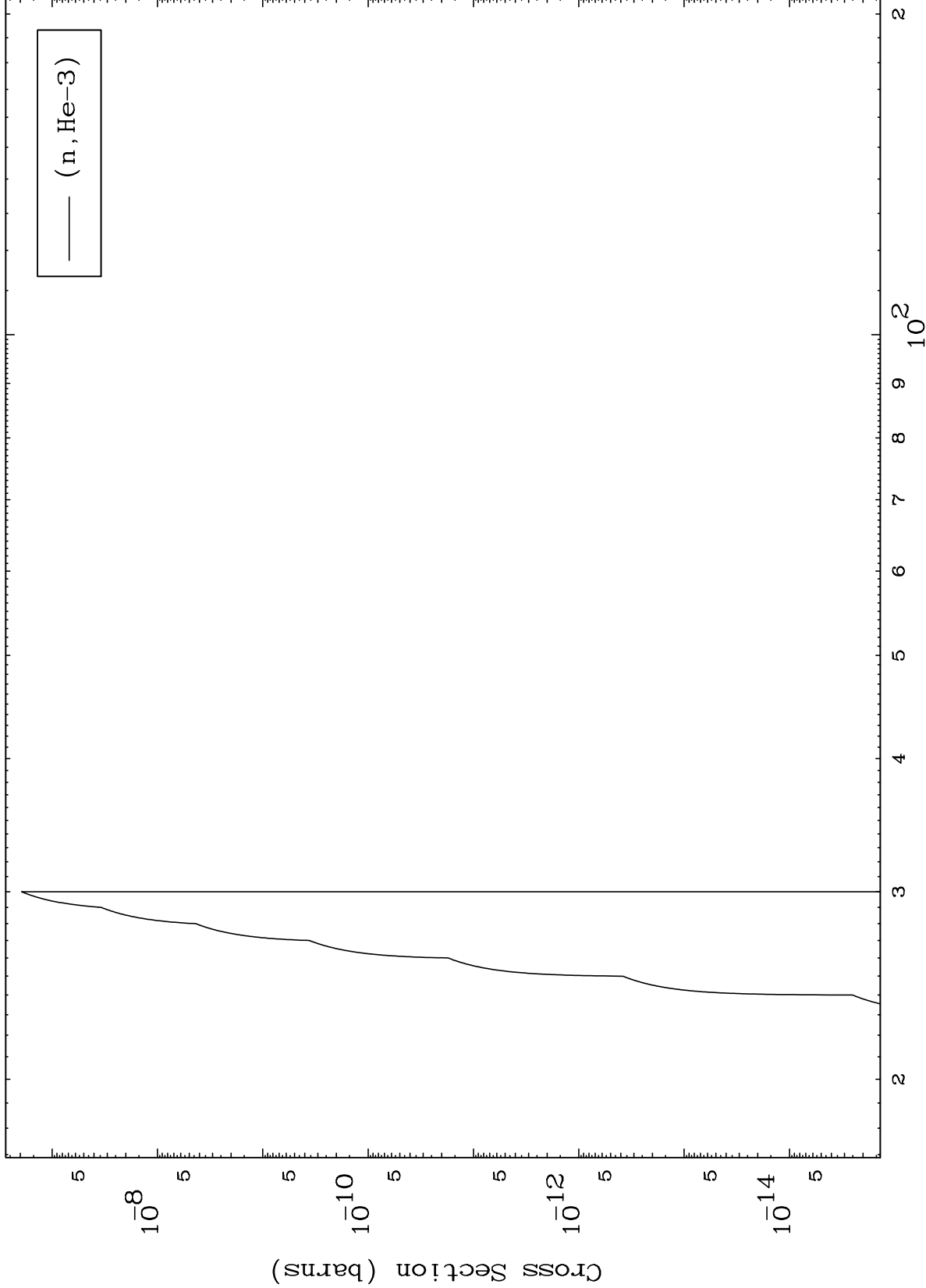
Incident Energy (MeV)

49-In-125m

MAT 4962

(n,He3) Levels
293 Kelvin Cross Sections

49-In-125m



14

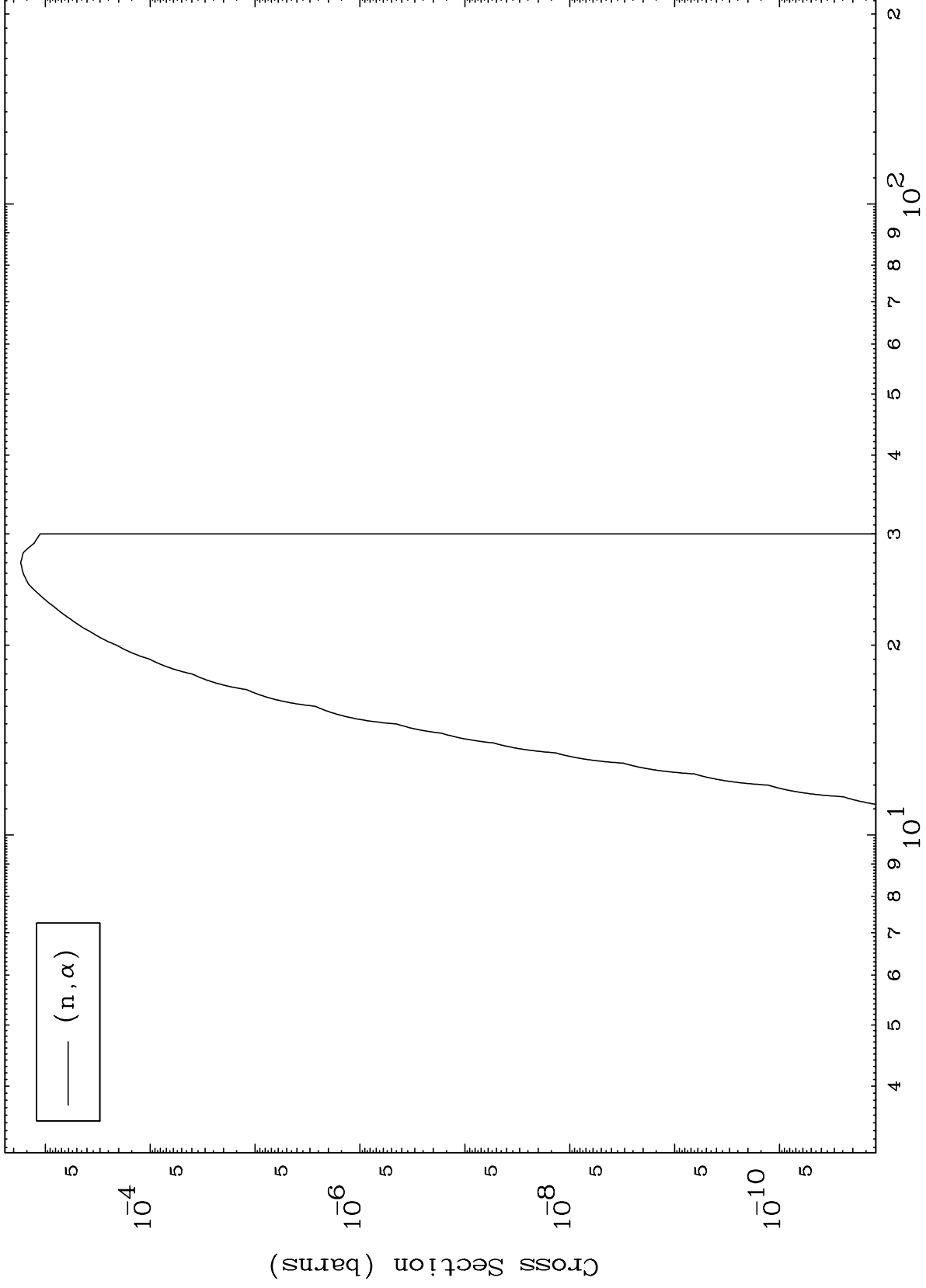
Incident Energy (MeV)

49-In-125m

MAT 4962

(n, α) Levels
293 Kelvin Cross Sections

49-In-125m



15

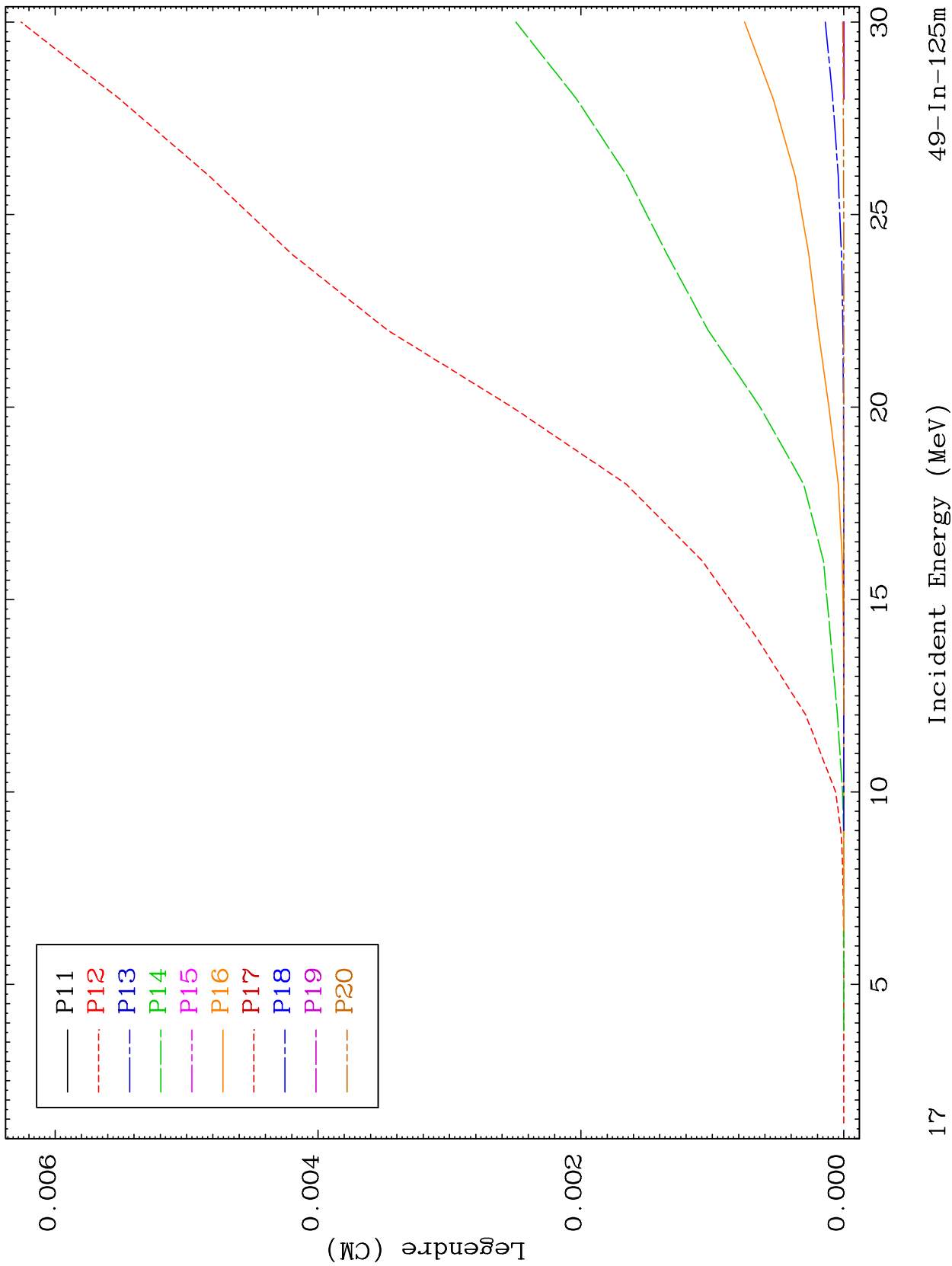
Incident Energy (MeV)

49-In-125m

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Elastic Legendre Coefficients

49-In-125m

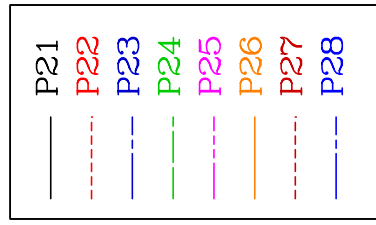


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Elastic Legendre Coefficients

49-In-125m



$\times 10^{-7}$

Legendre (CM)



18

Incident Energy (MeV)

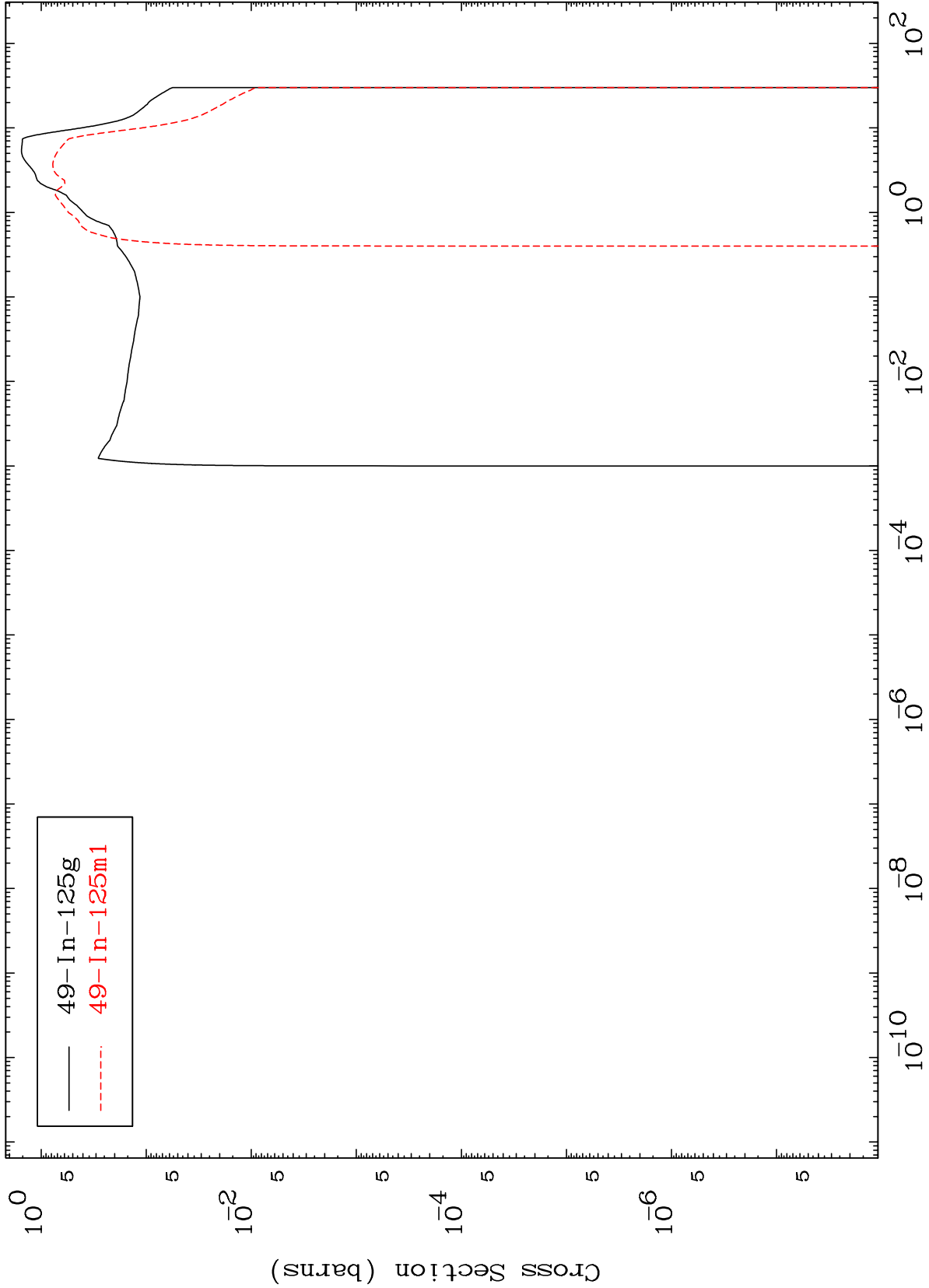
49-In-125m

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49-In-125m

Inelastic

Radionuclide Production Cross Section

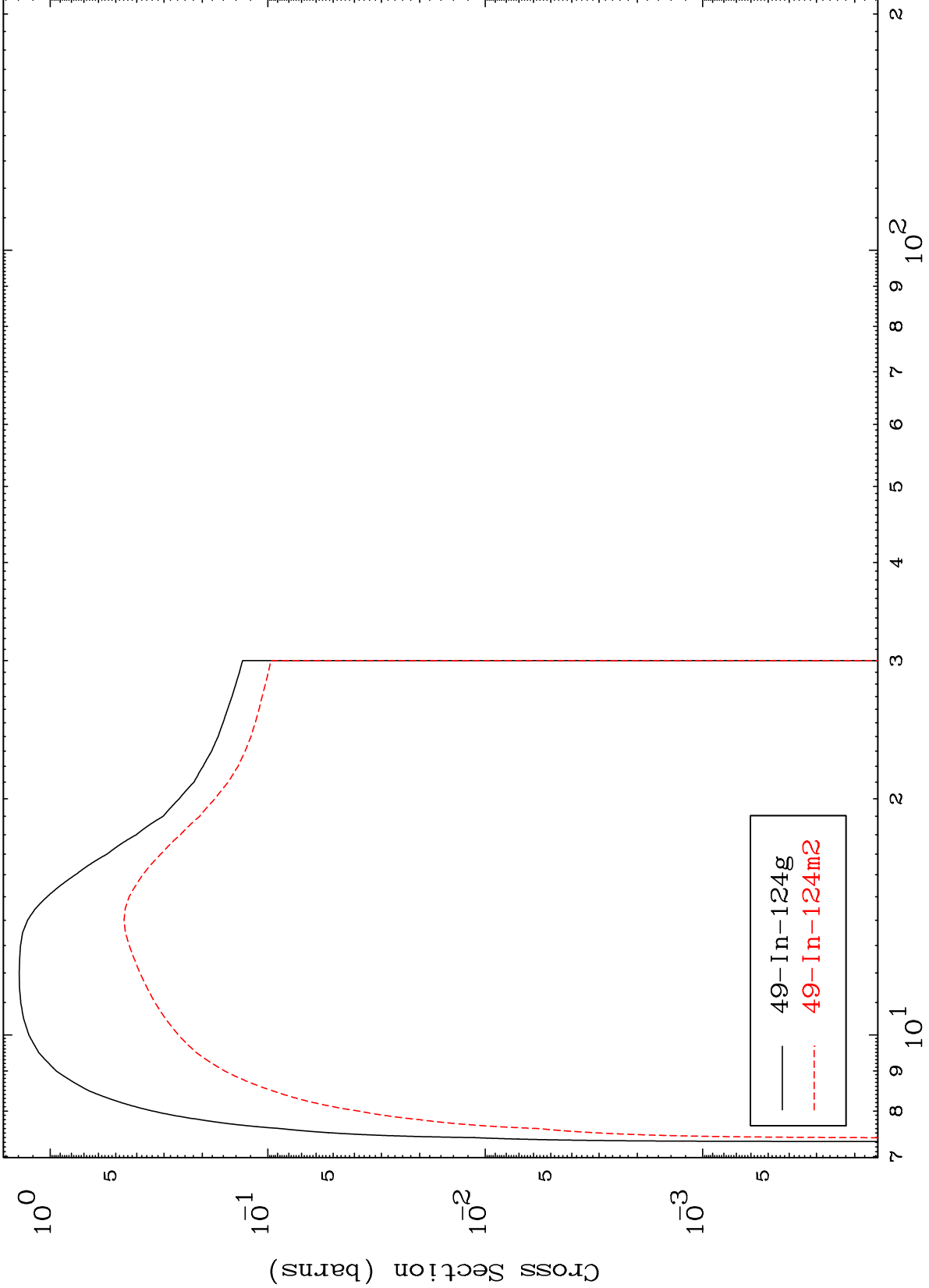


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(n,2n)

49-In-125m

Radionuclide Production Cross Section



— 49-In-124g
- - - 49-In-124m2

Incident Energy (MeV)

49-In-125m

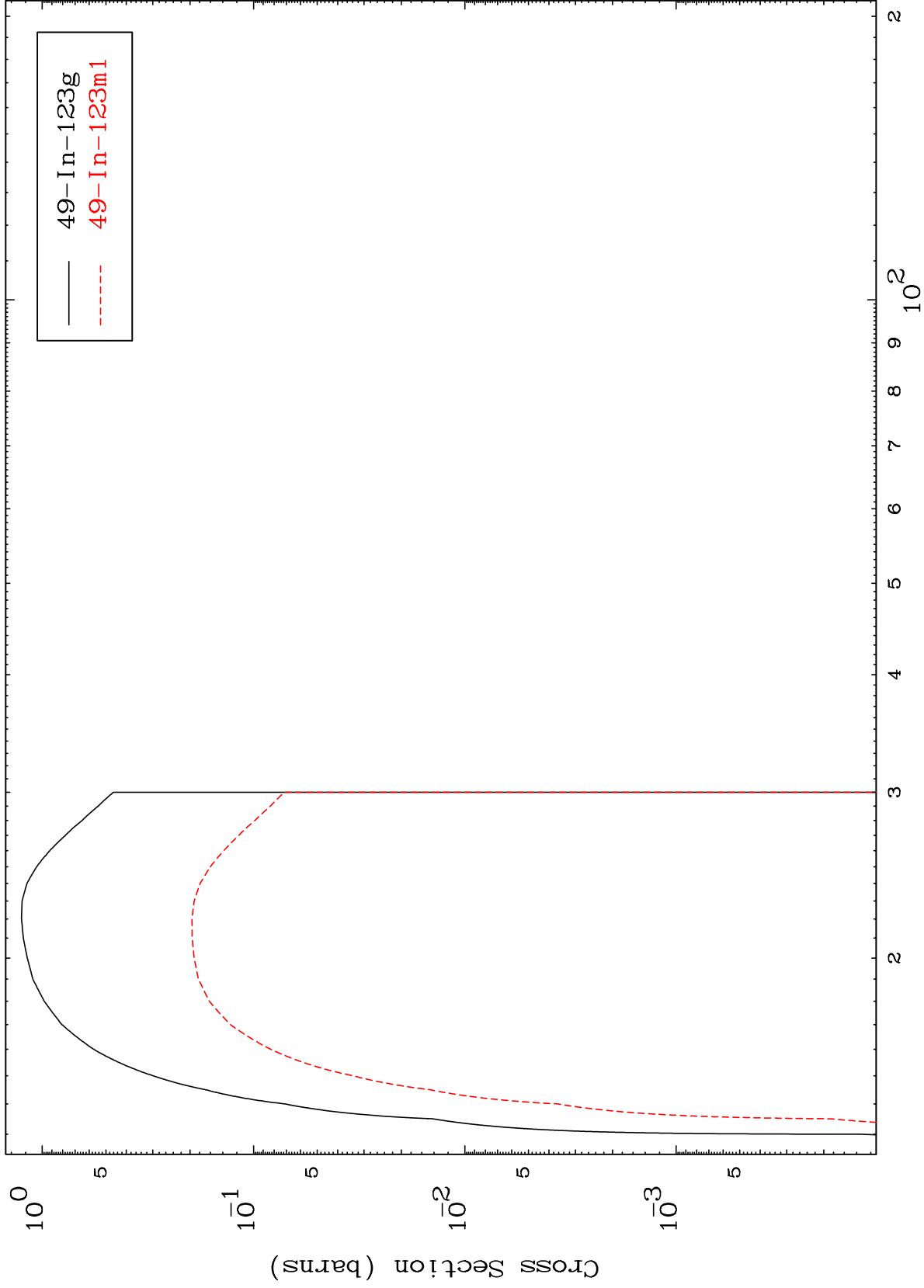
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MAT 4962

(n,3n)

49-In-125m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

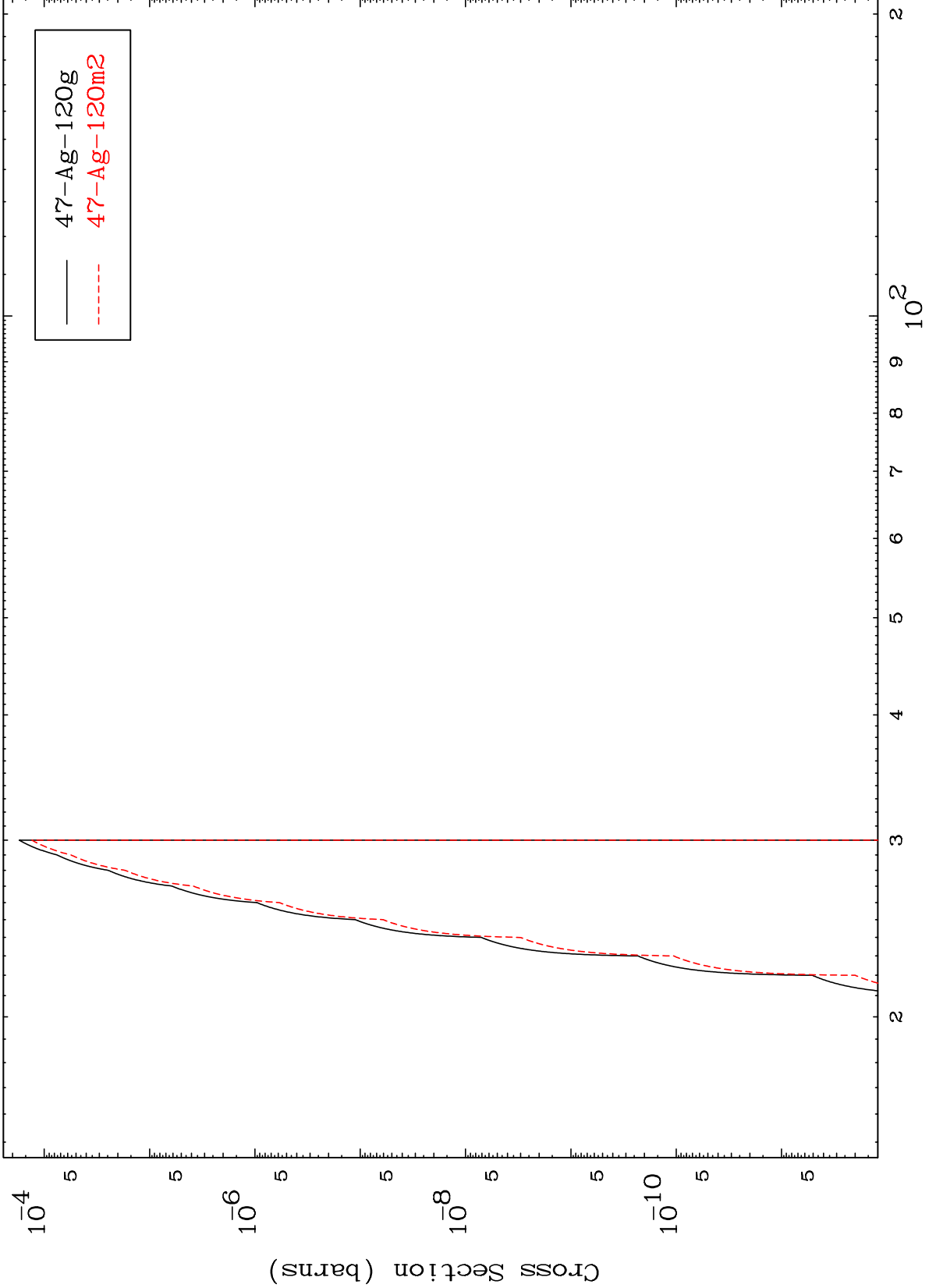
49-In-125m

MAT 4962

(n,2n) α

49-In-125m

Radionuclide Production Cross Section



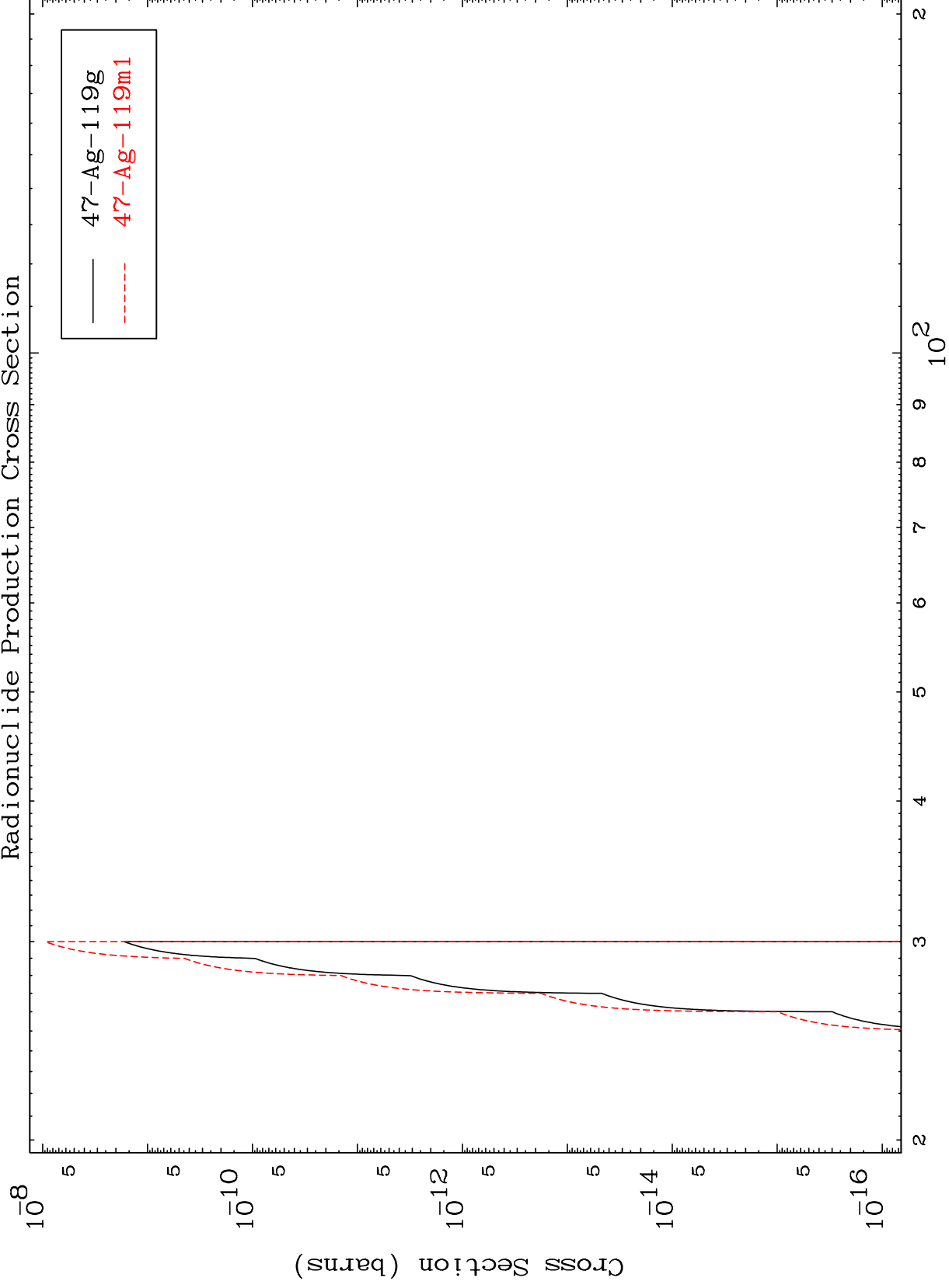
47-Ag-120g
47-Ag-120m2

MAT 4962

(n,3n) α

49-In-125m

Radionuclide Production Cross Section

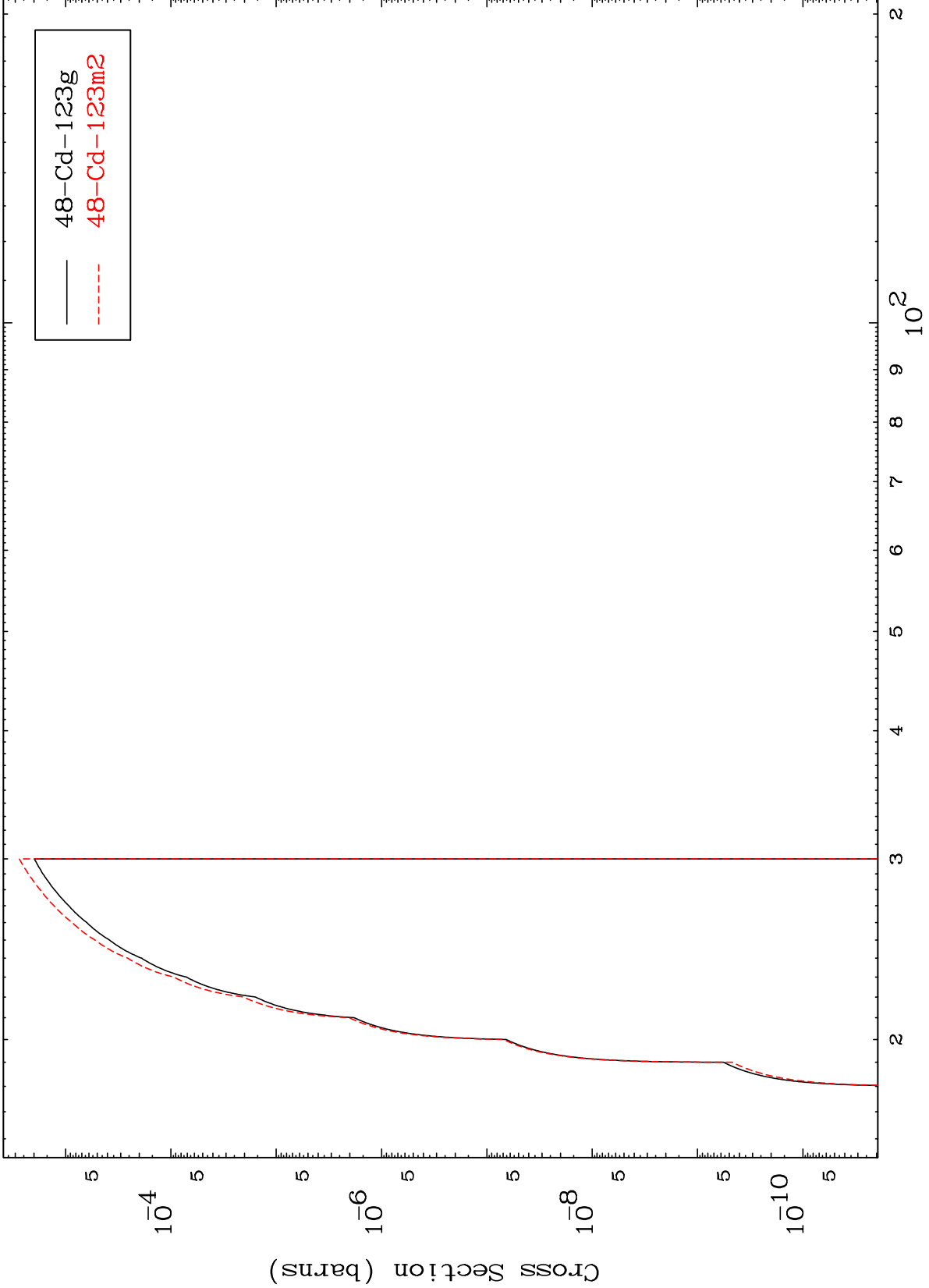


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Incident Energy (MeV)

49-In-125m

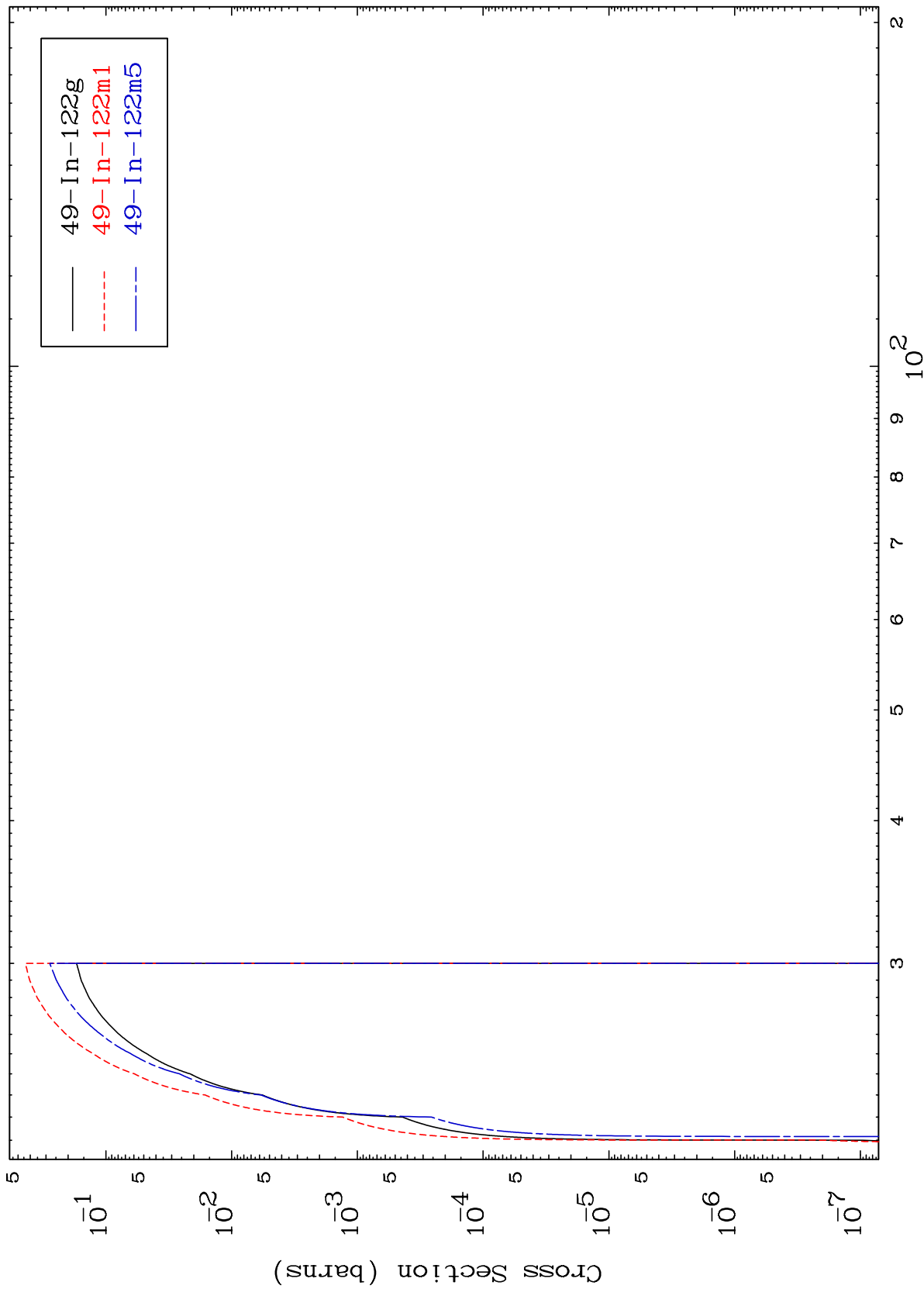
Radionuclide Production Cross Section



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49-In-125m

(n,4n)
Radionuclide Production Cross Section

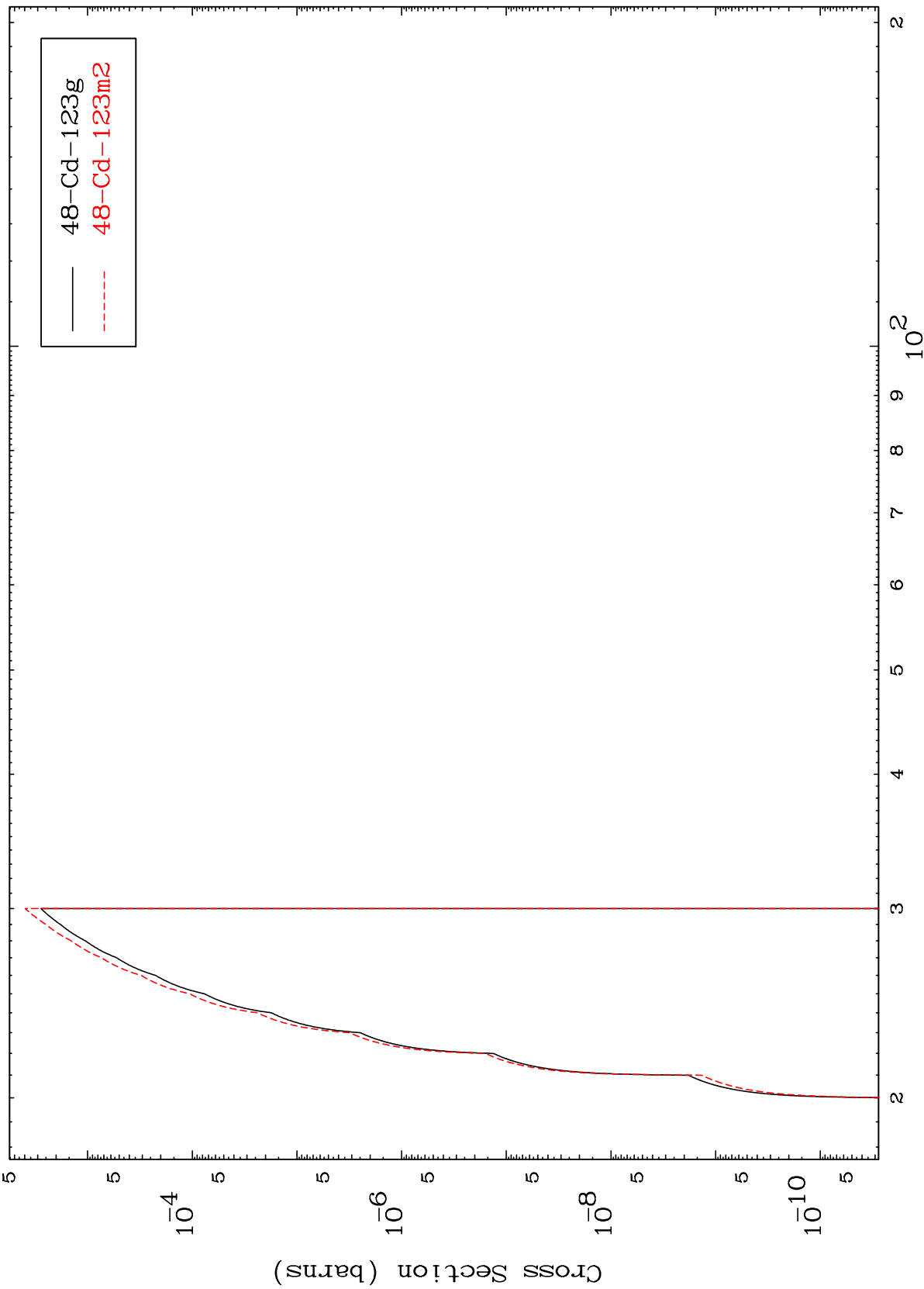


49-In-125m

Incident Energy (MeV)

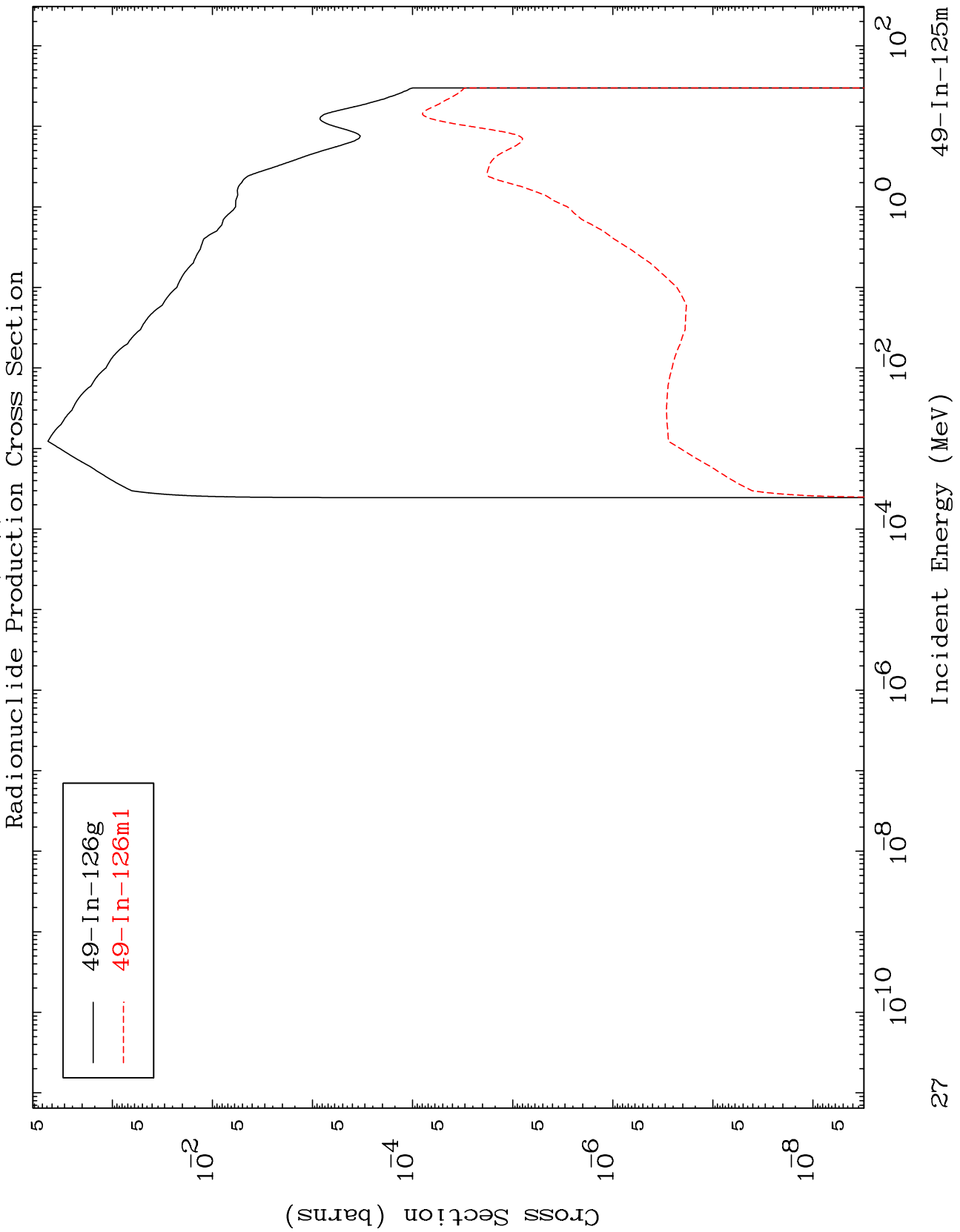
25

Radionuclide Production Cross Section



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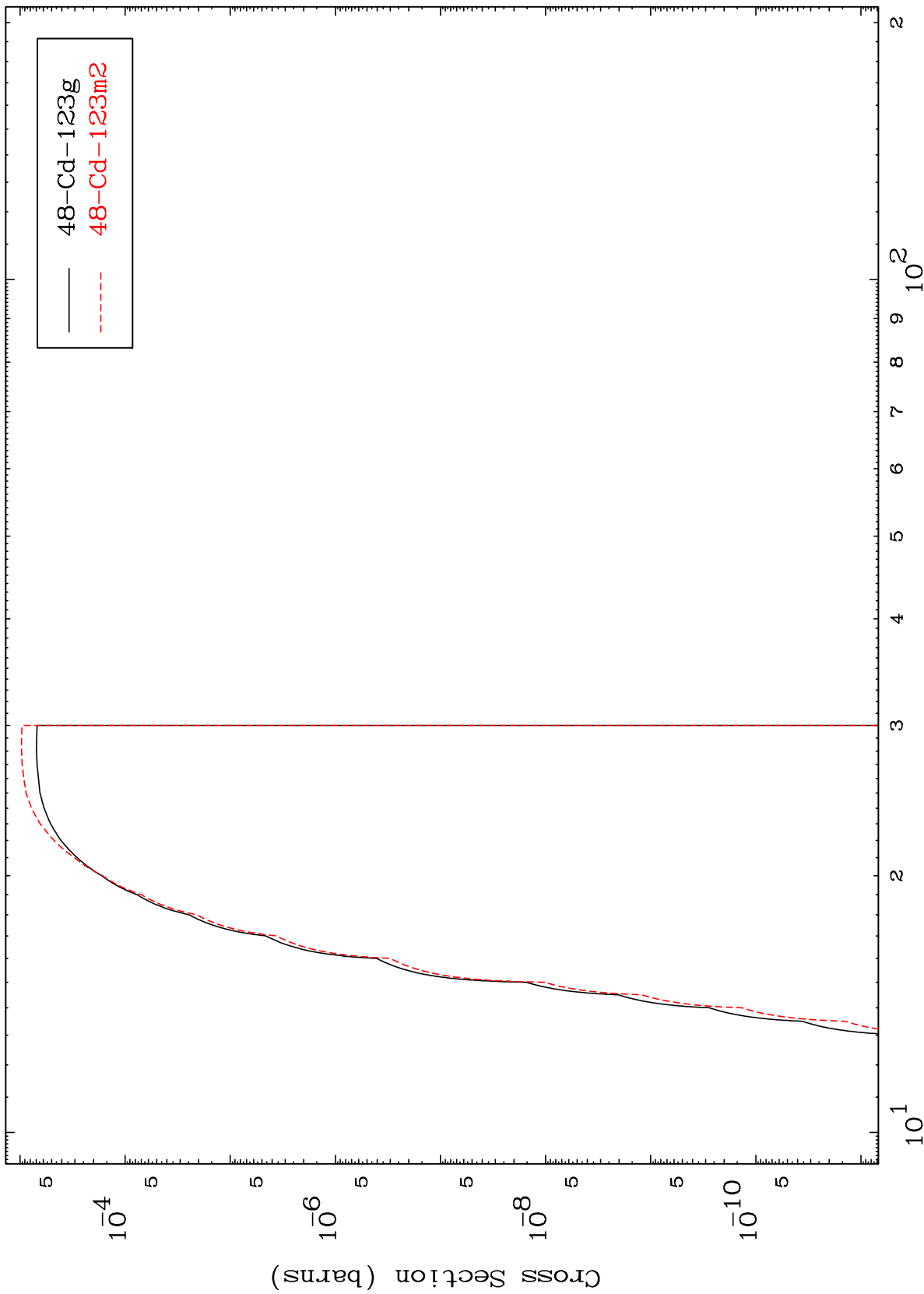
49-In-125m



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49-In-125m

(n,t)
Radionuclide Production Cross Section



49-In-125m

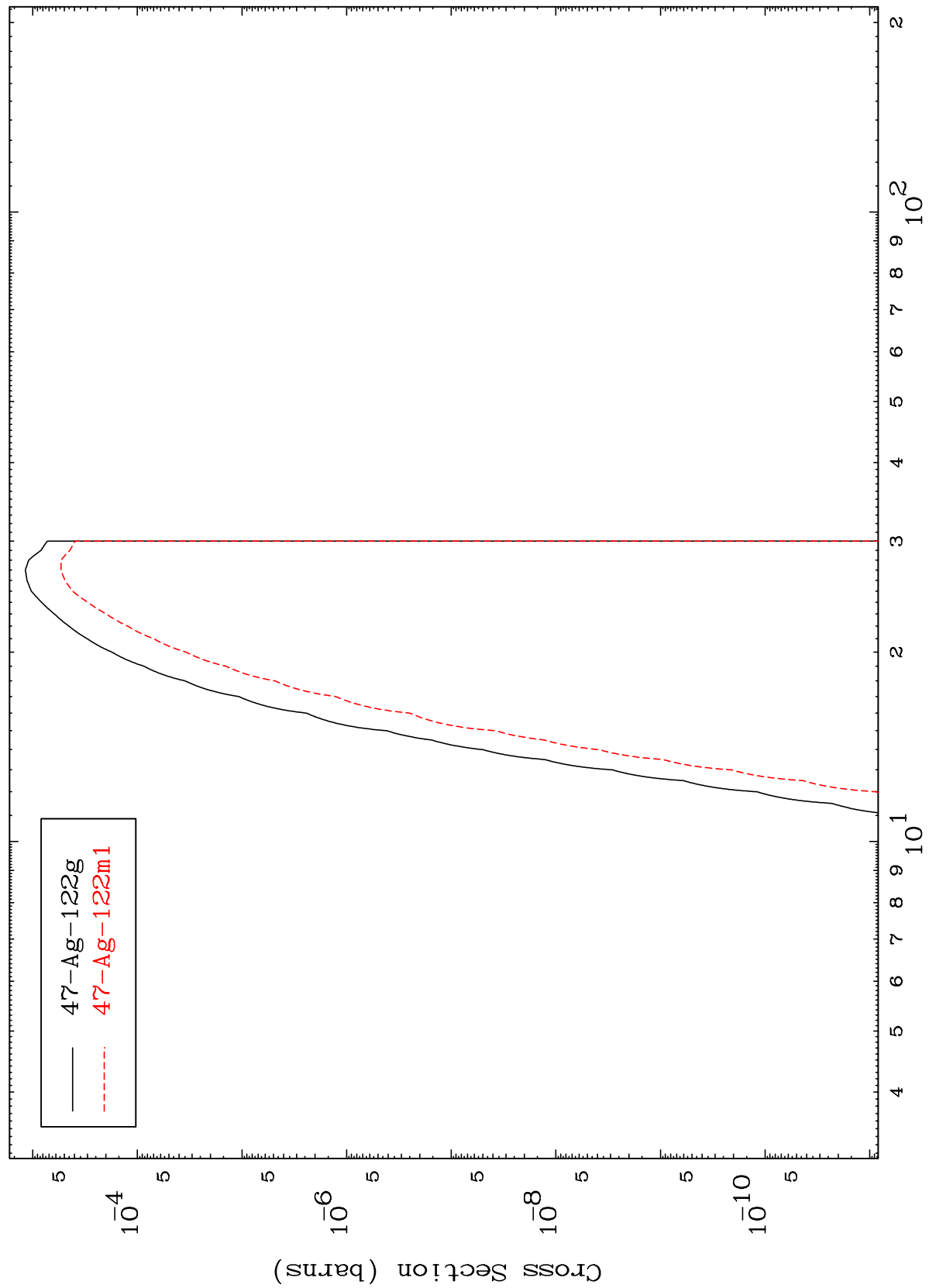
Incident Energy (MeV)

28

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49-In-125m

Radionuclide Production Cross Section
(n, α)



— 47-Ag-122g
- - - 47-Ag-122m1

29

Incident Energy (MeV)

49-In-125m