

Program EVALPLOT
(Version 2018-1)

by

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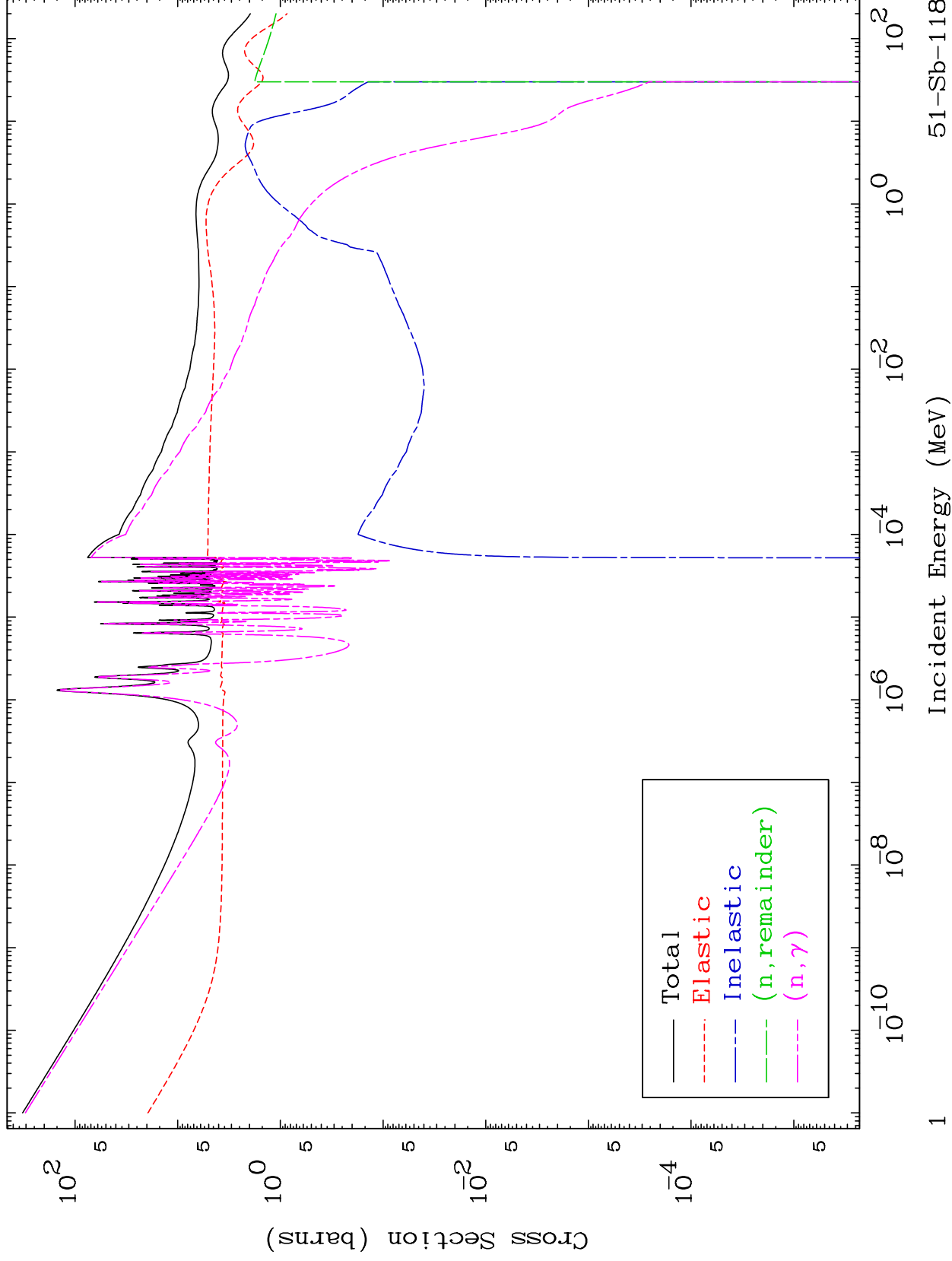
Press Mouse Button to Start

MAT 5117

Major

293 Kelvin Cross Sections

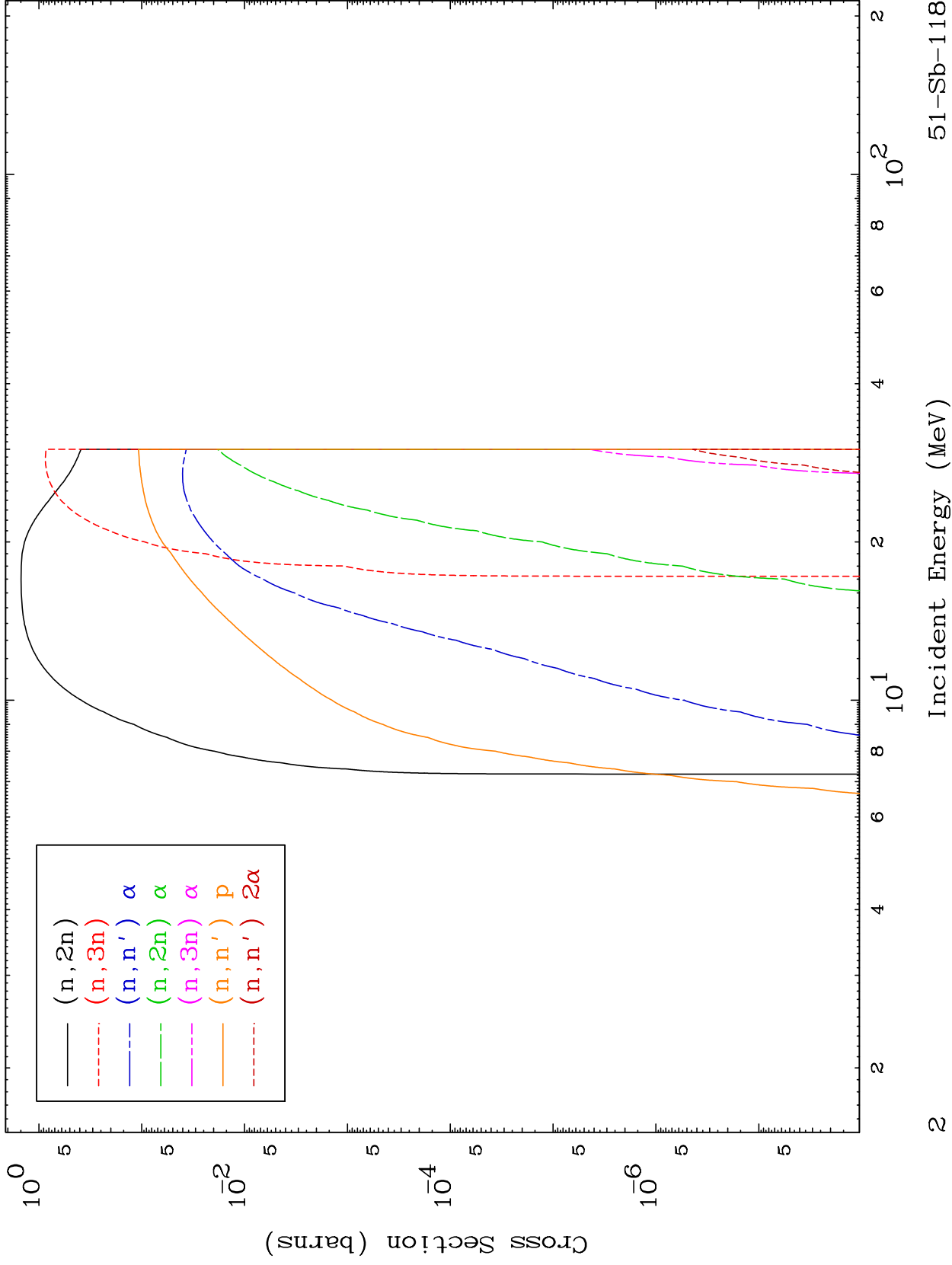
51-Sb-118



MAT 5117

Neutron Production
293 Kelvin Cross Sections

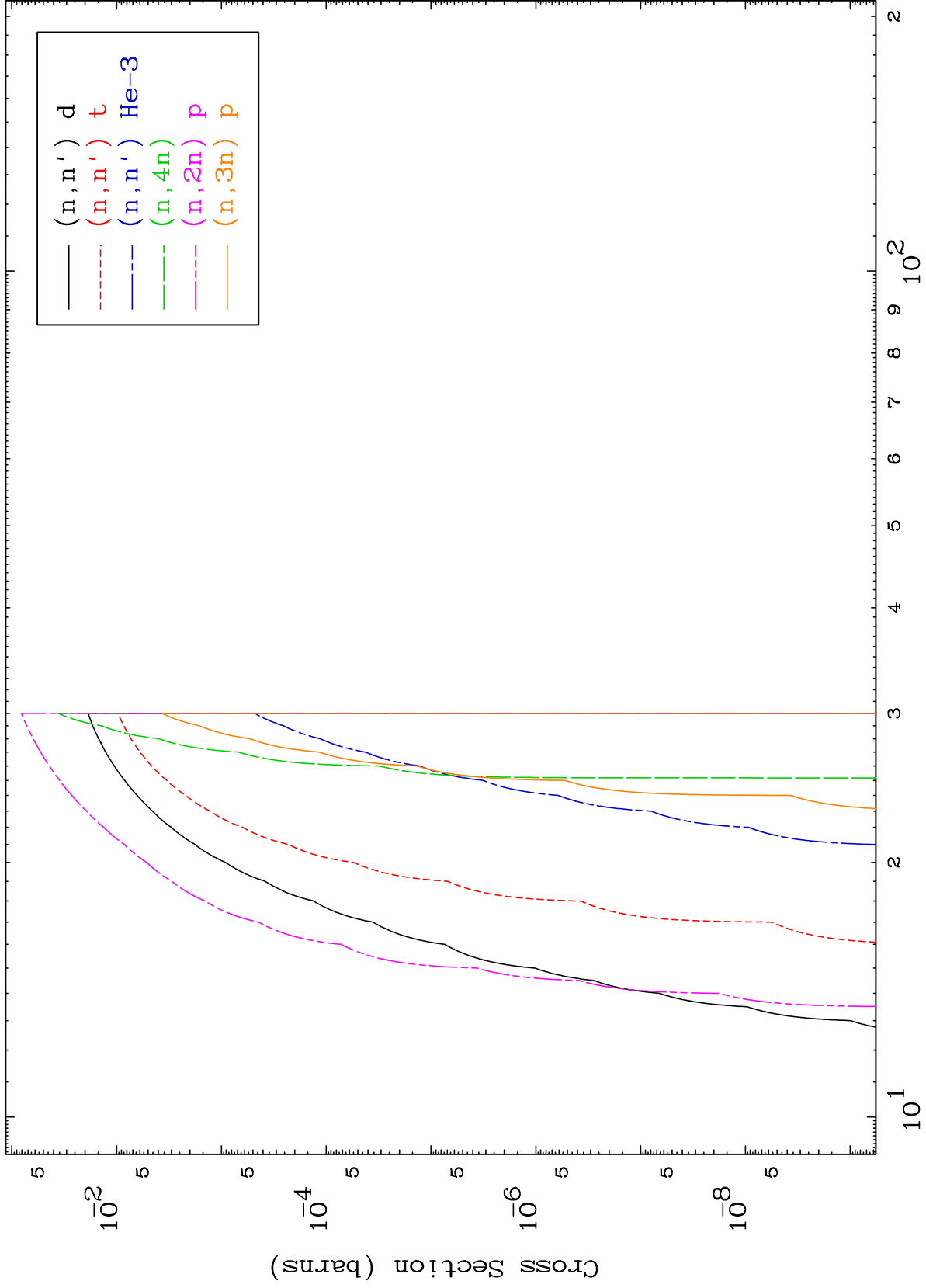
51-Sb-118

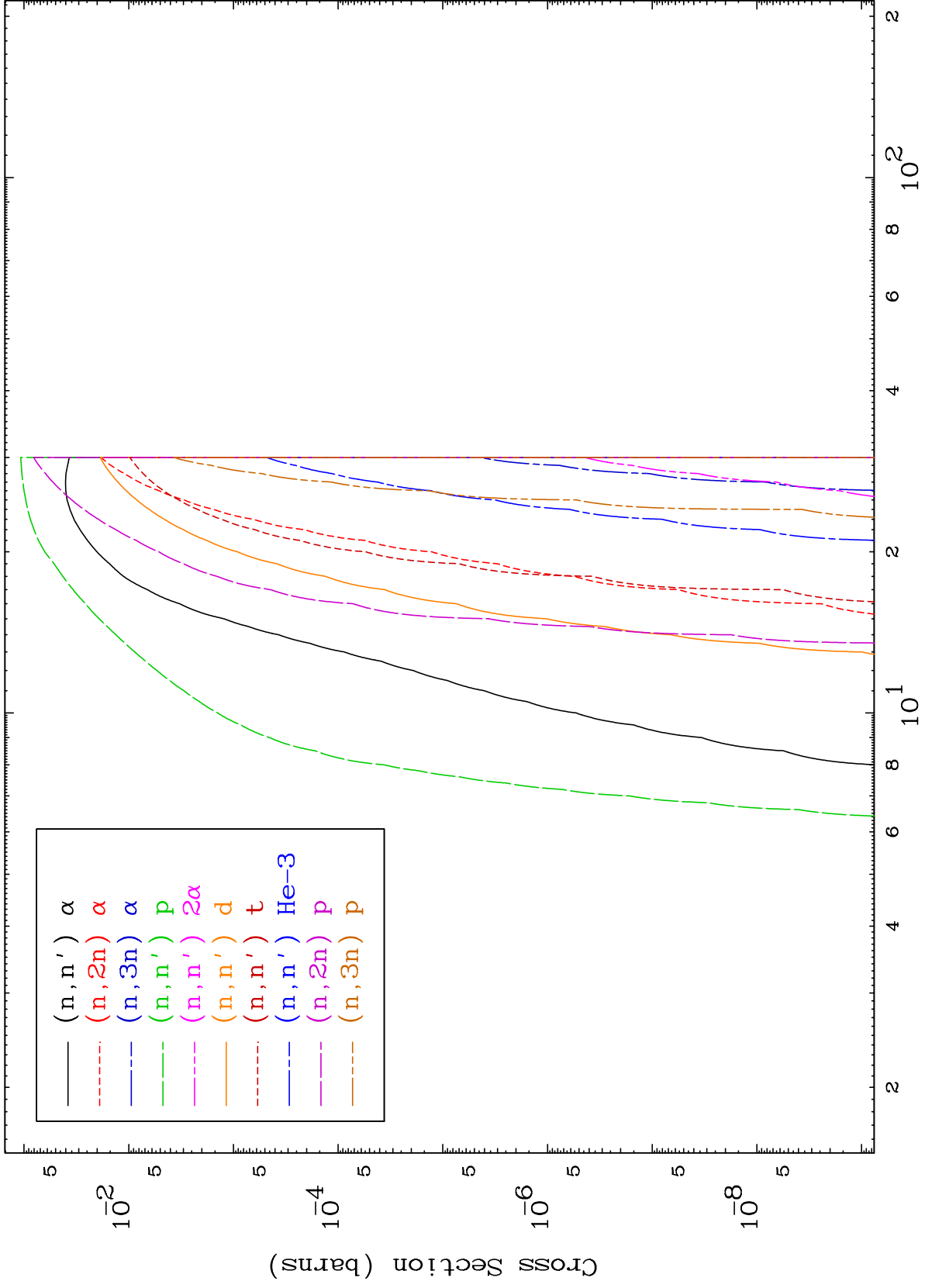


51-Sb-118

Incident Energy (MeV)

2

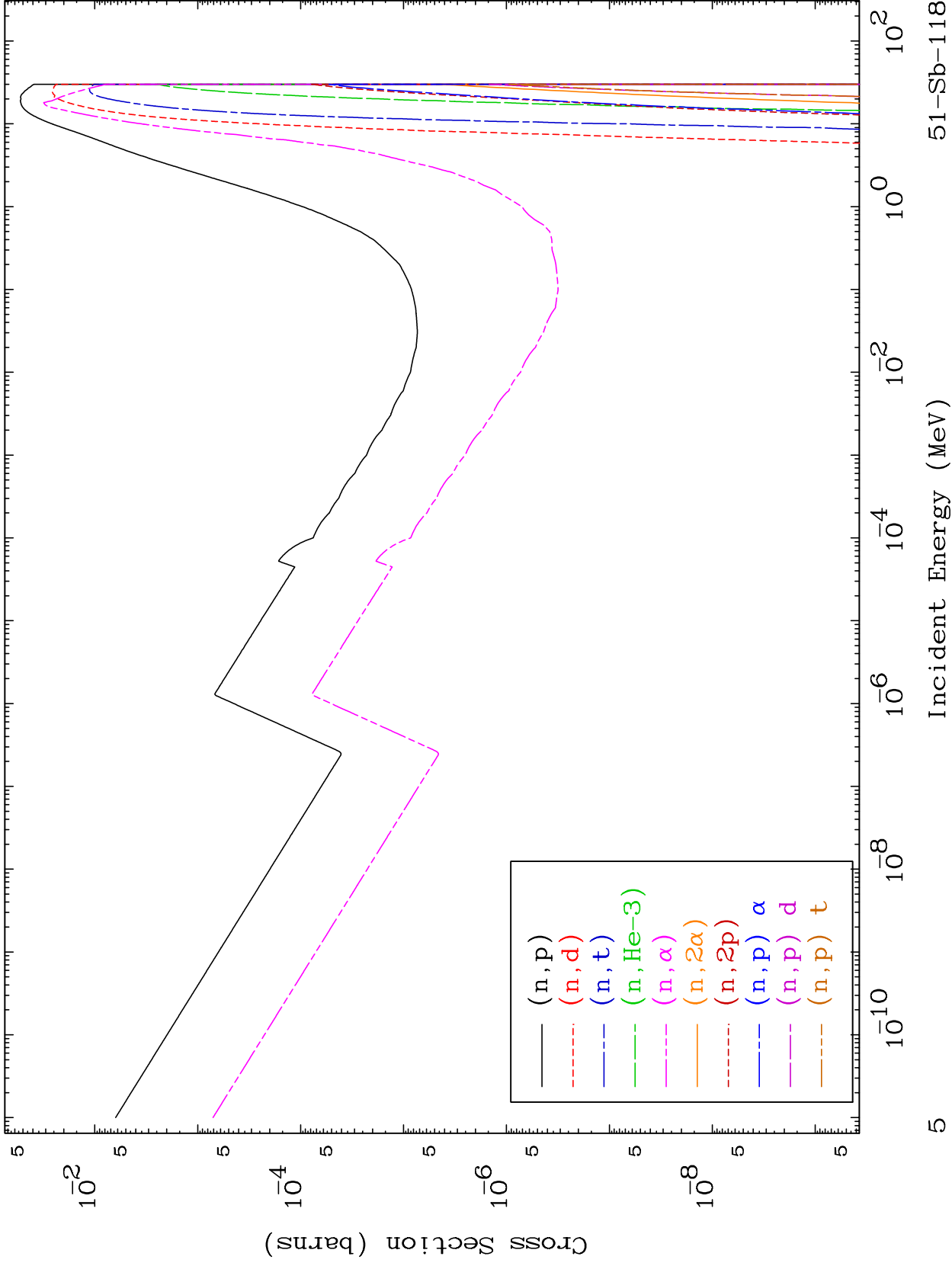




MAT 5117

Charged Particle
293 Kelvin Cross Sections

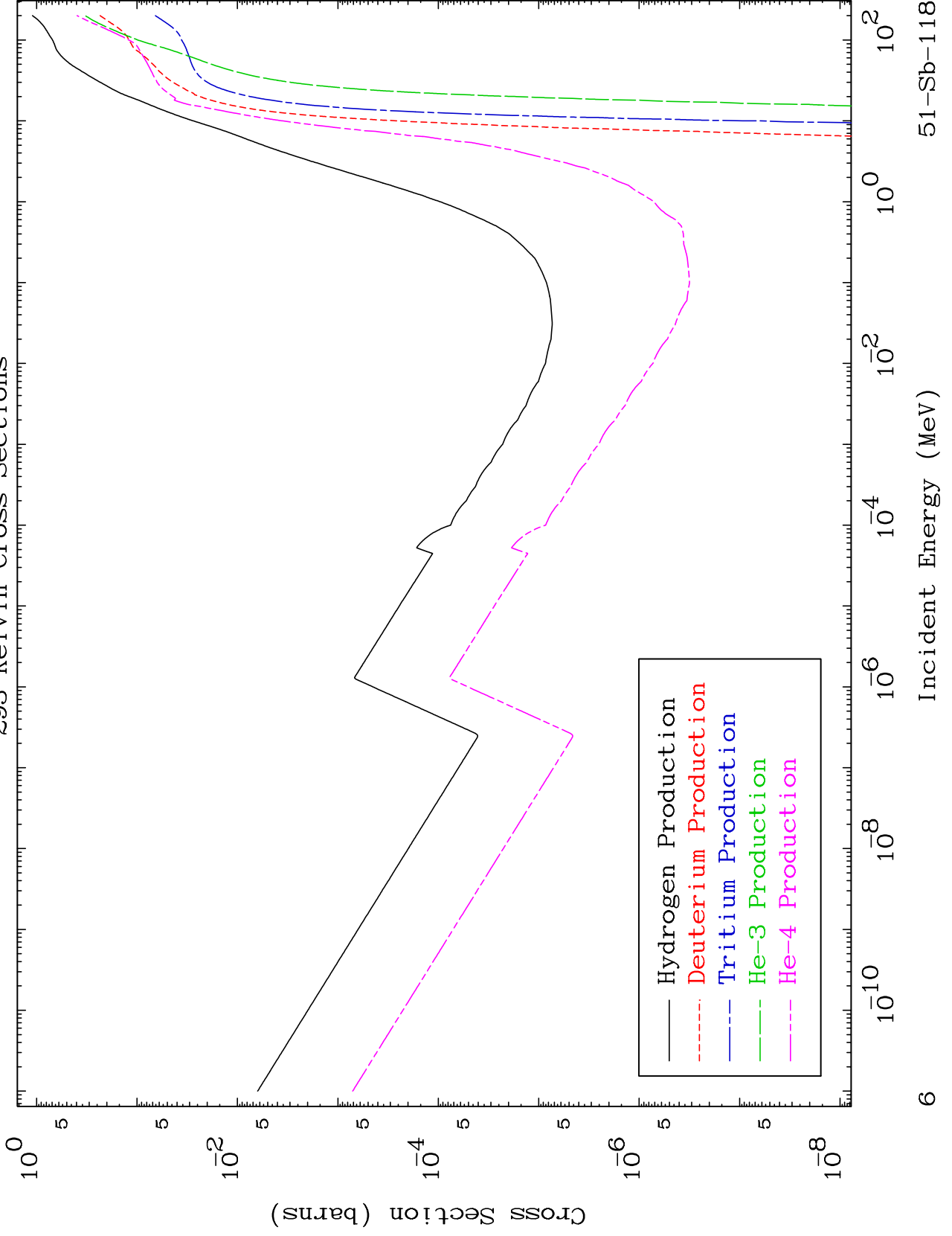
51-Sb-118



MAT 5117

Particle Production
293 Kelvin Cross Sections

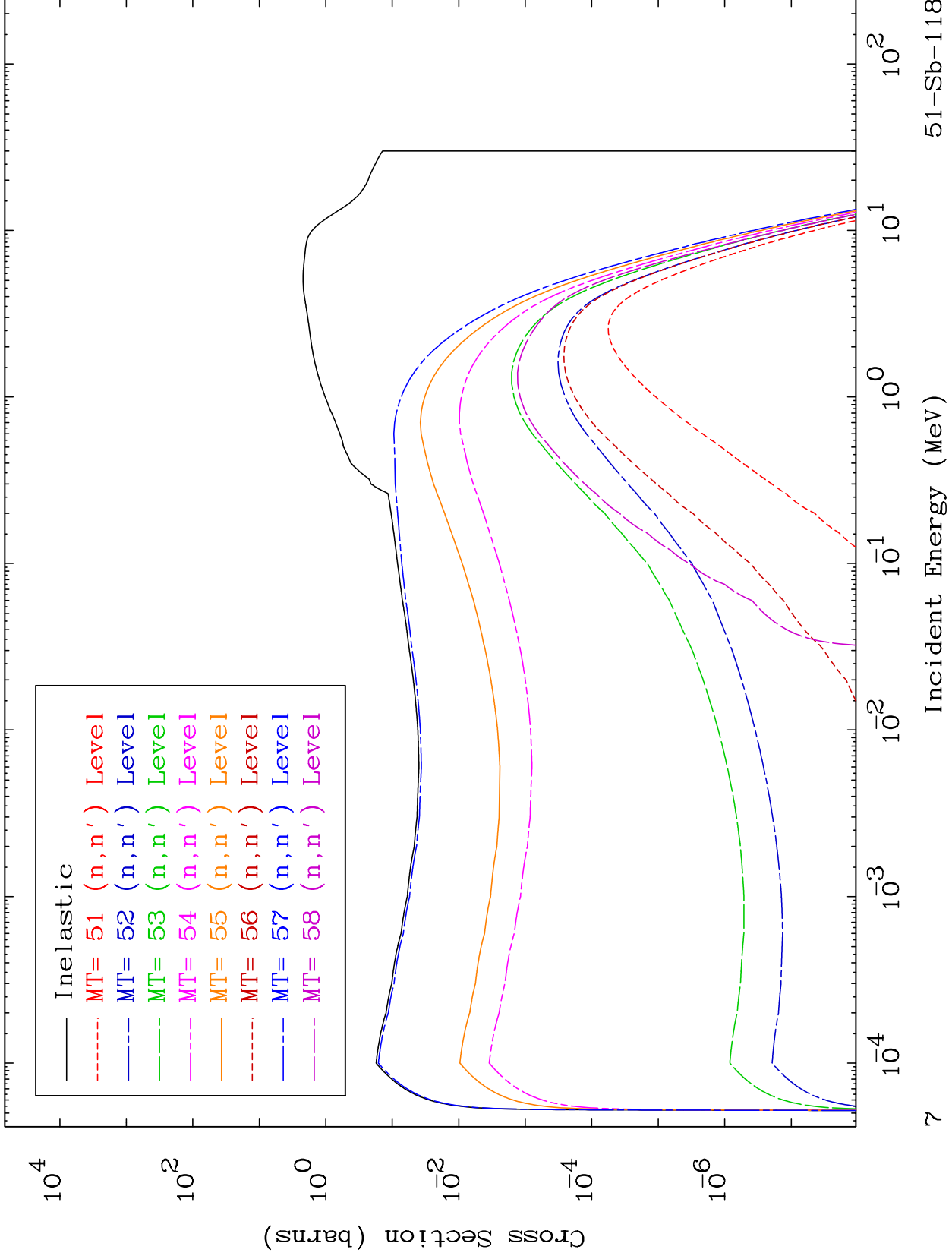
51-Sb-118



MAT 5117

293 Kelvin Cross Sections
(n,n') Level

51-Sb-118

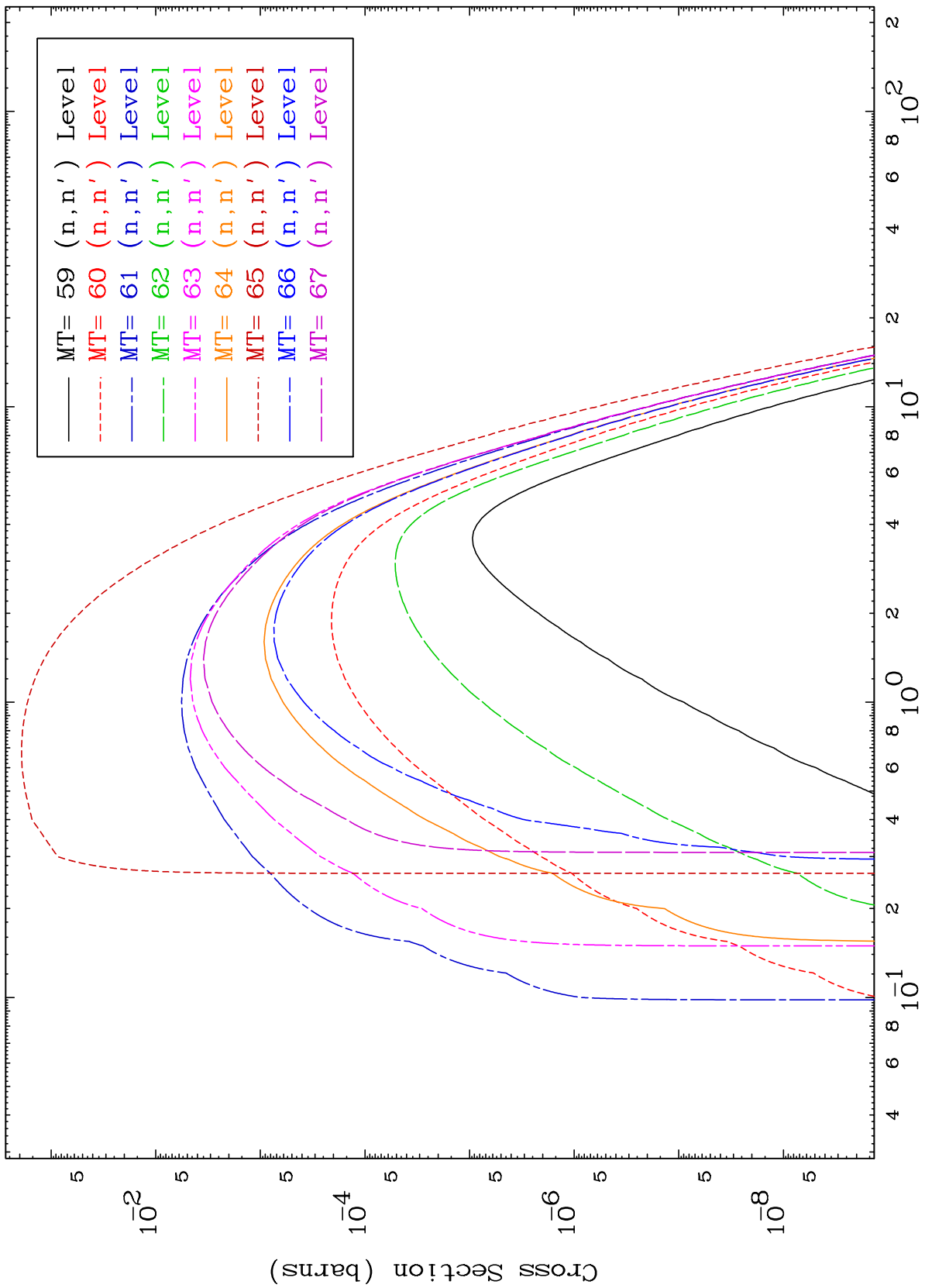


MAT 5117

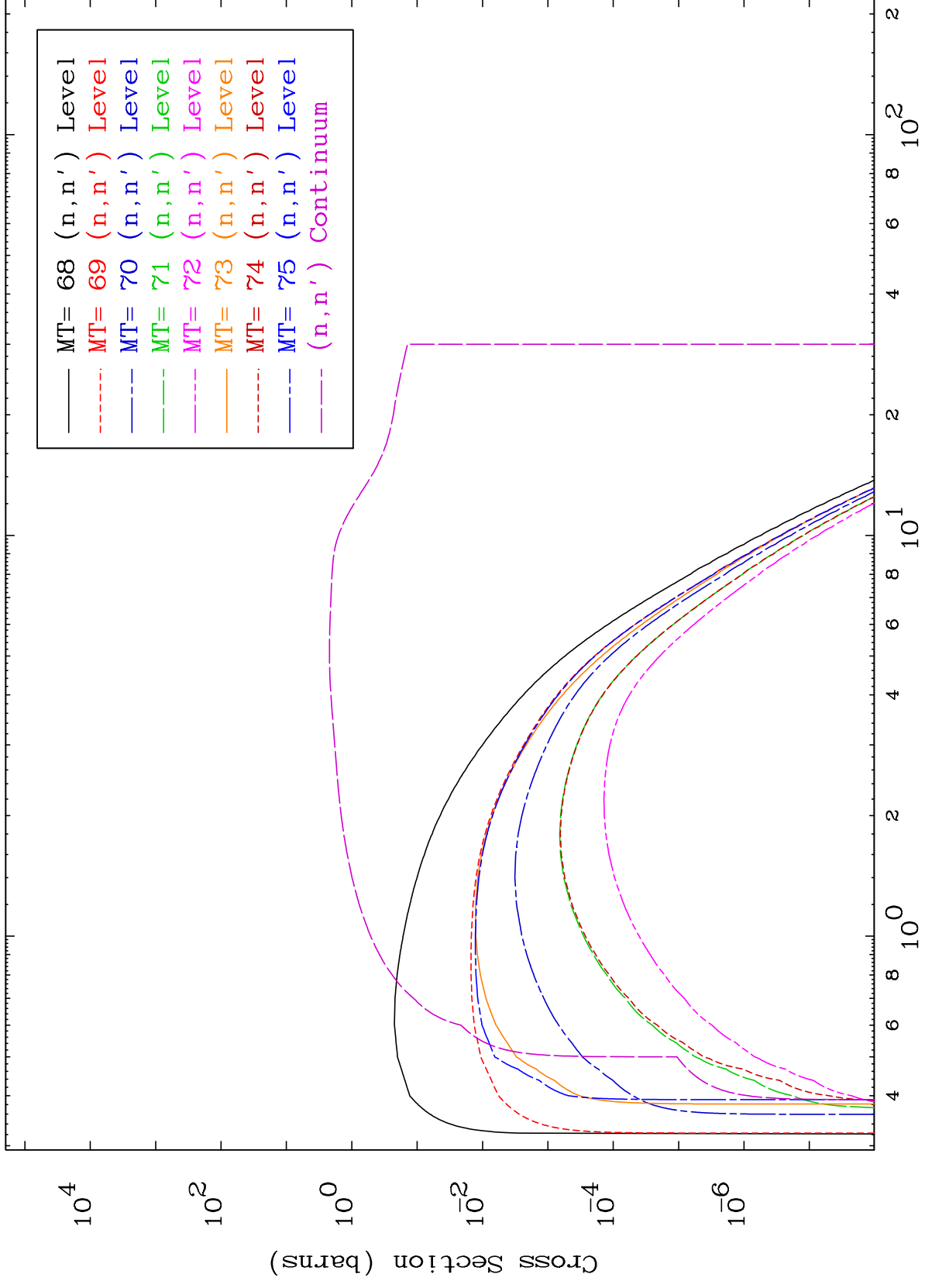
(n,n') Level

51-Sb-118

293 Kelvin Cross Sections



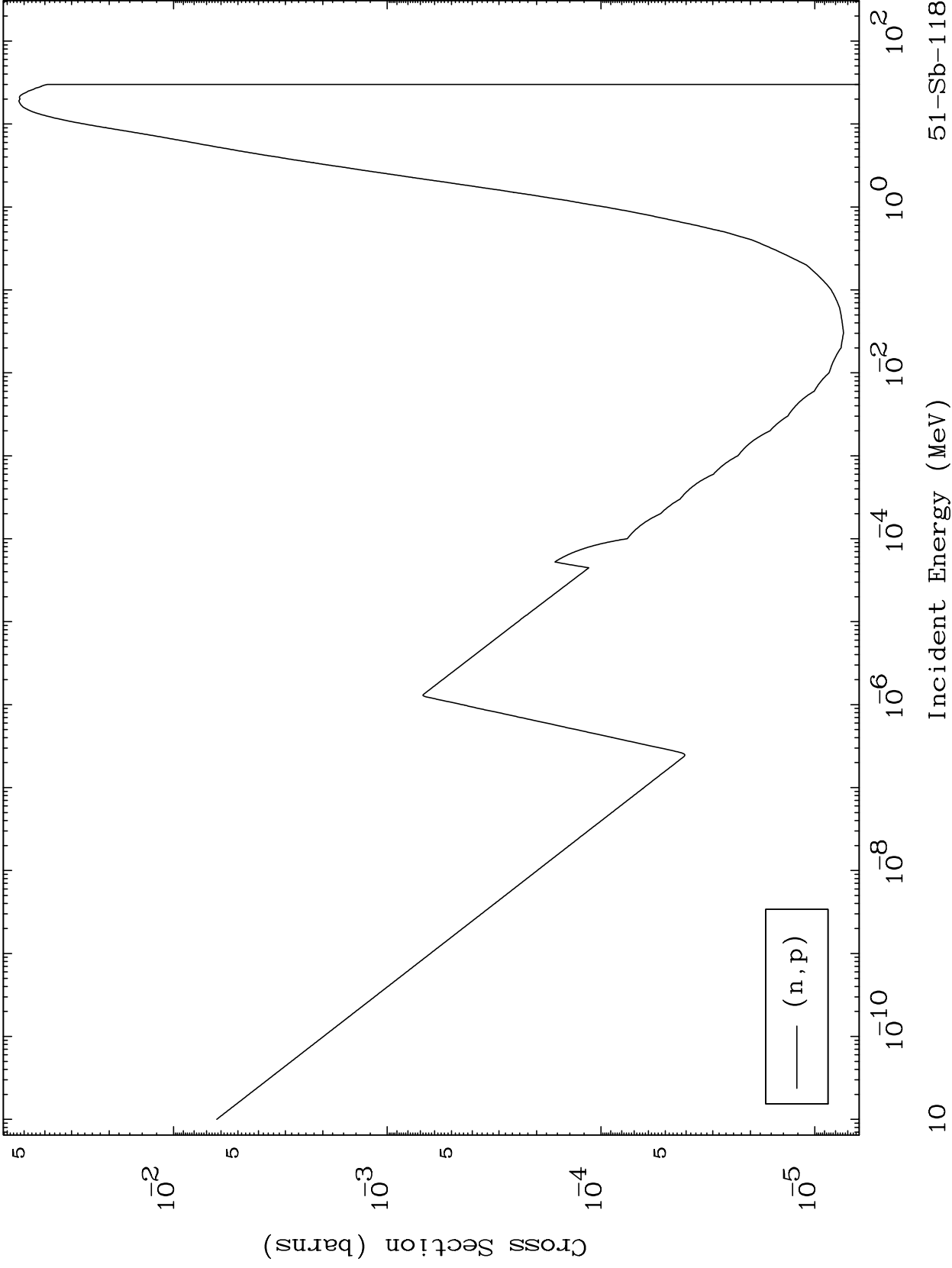
293 Kelvin Cross Sections



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(n,p) Levels
293 Kelvin Cross Sections

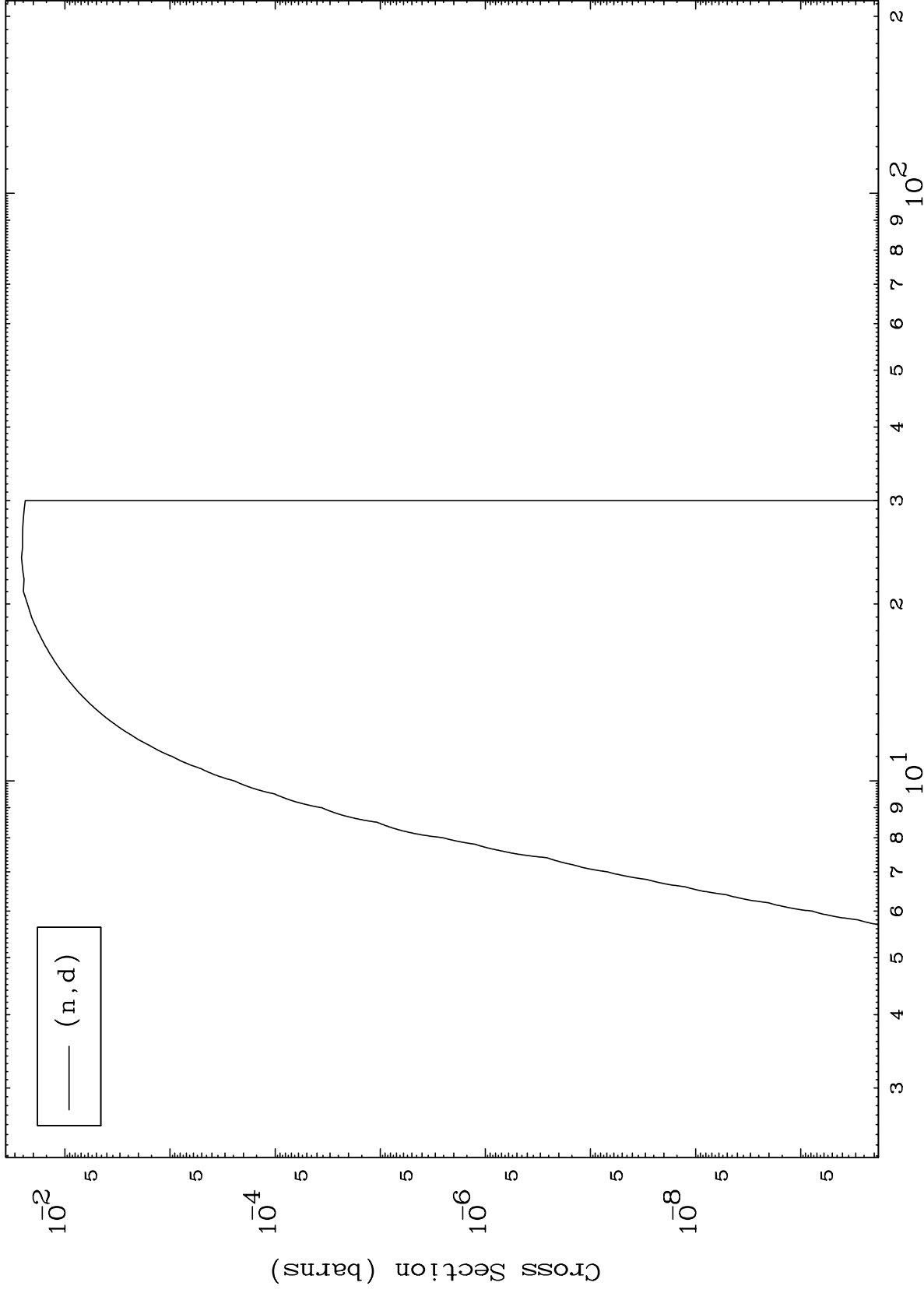
51-Sb-118



MAT 51117

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-118



11

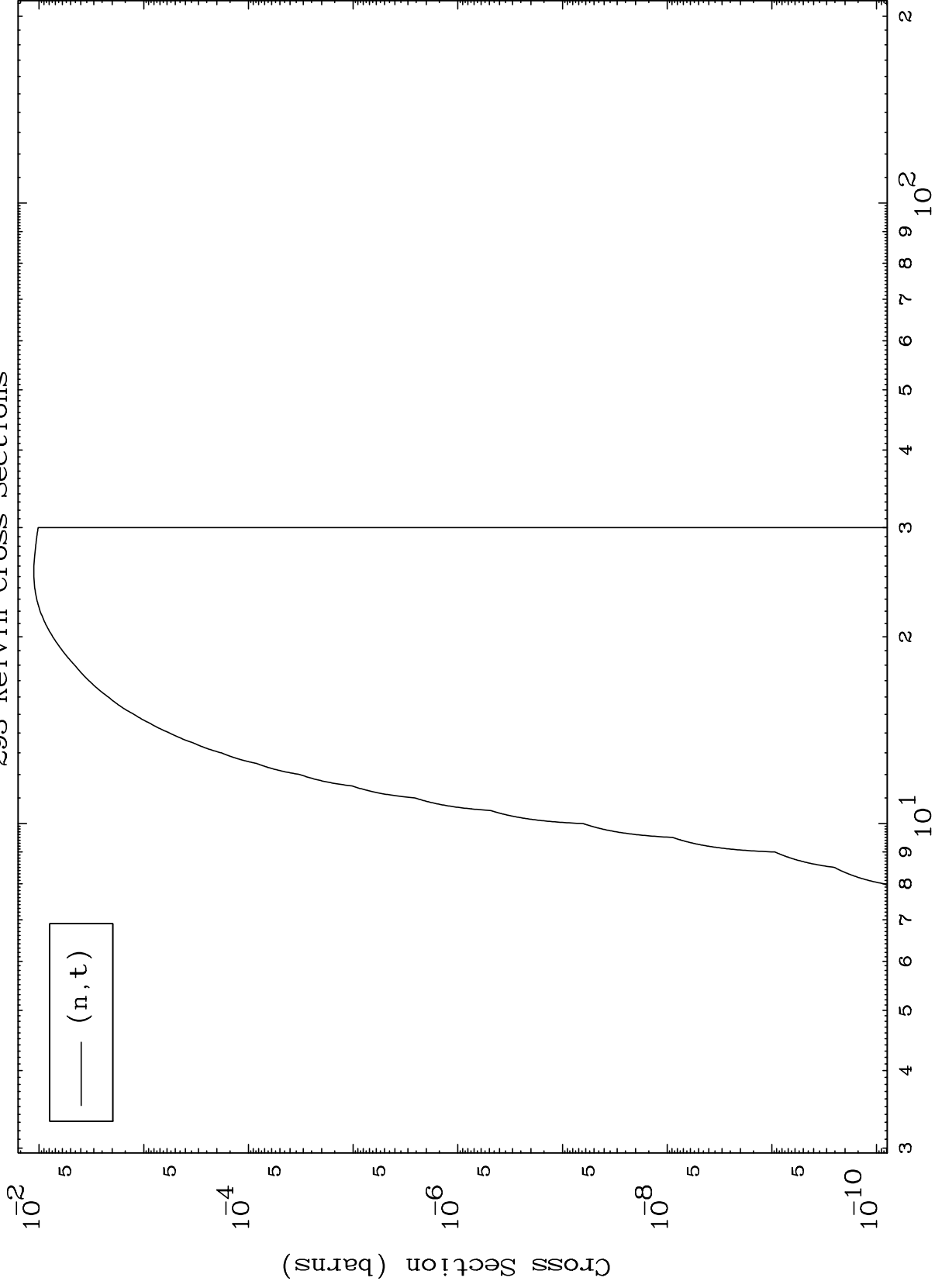
Incident Energy (MeV)

51-Sb-118

MAT 5117

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-118



12

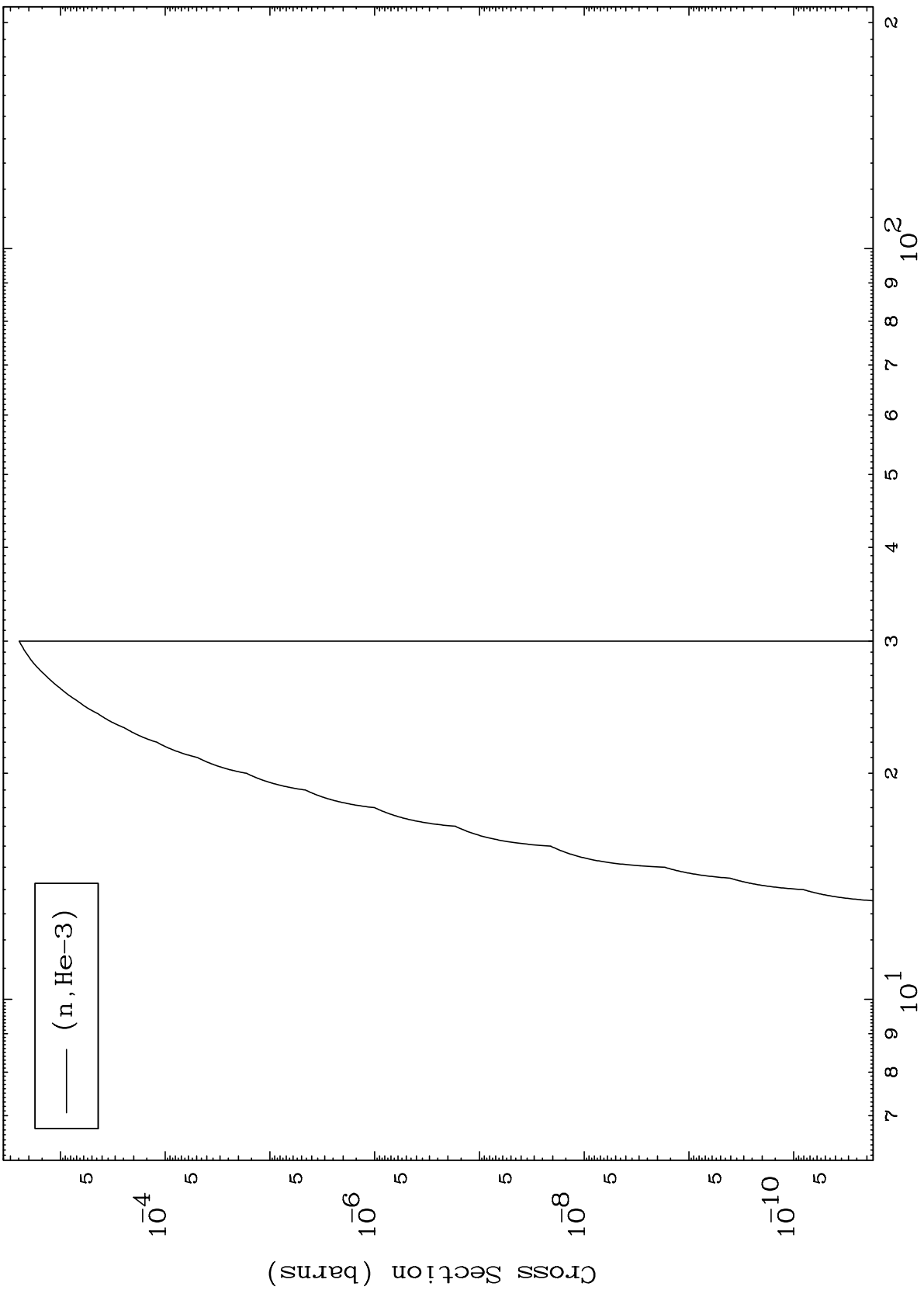
Incident Energy (MeV)

51-Sb-118

MAT 5117

51-Sb-118

(n,He3) Levels
293 Kelvin Cross Sections



13

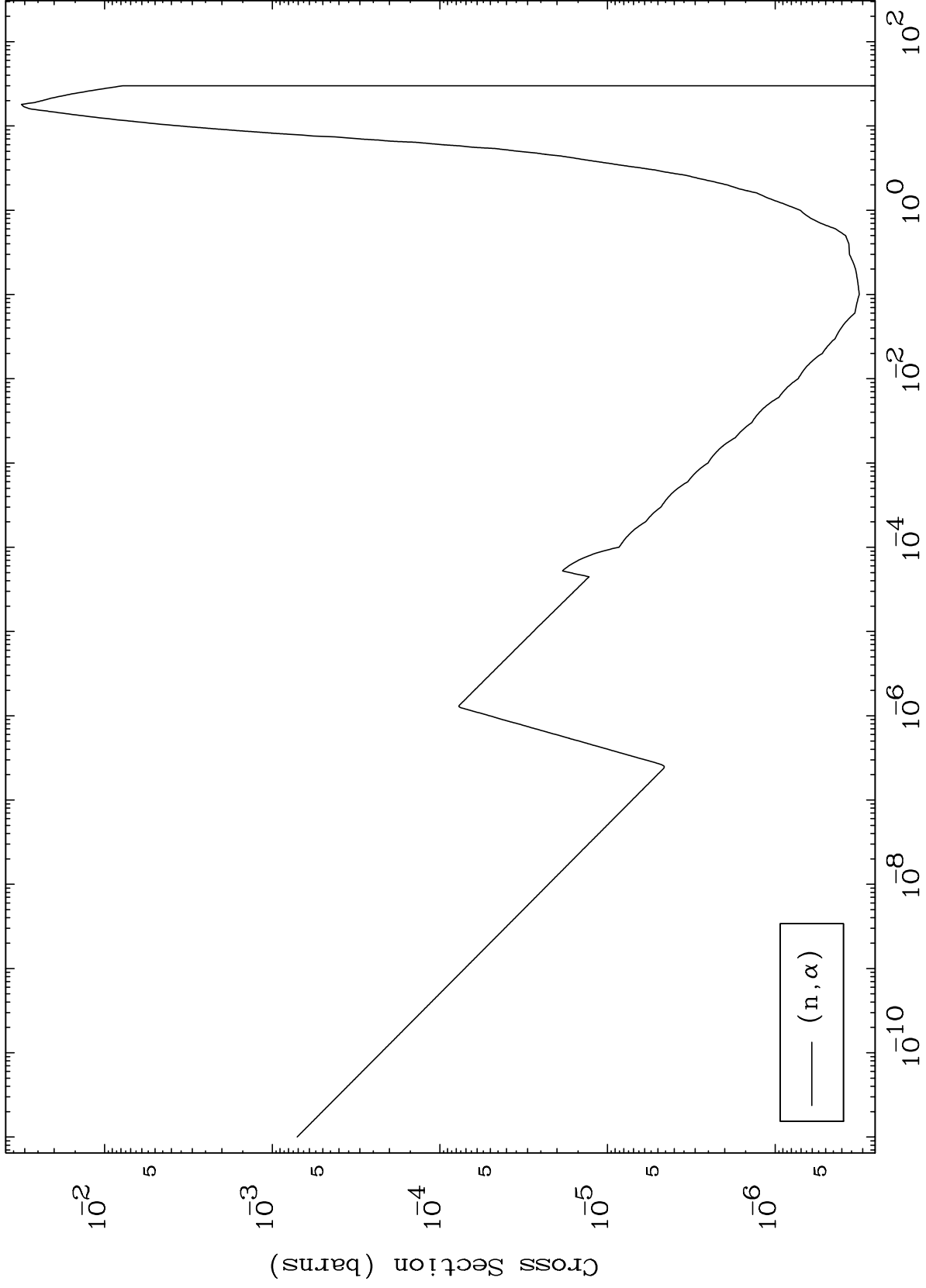
51-Sb-118

Incident Energy (MeV)

MAT 5117

(n,α) Levels
293 Kelvin Cross Sections

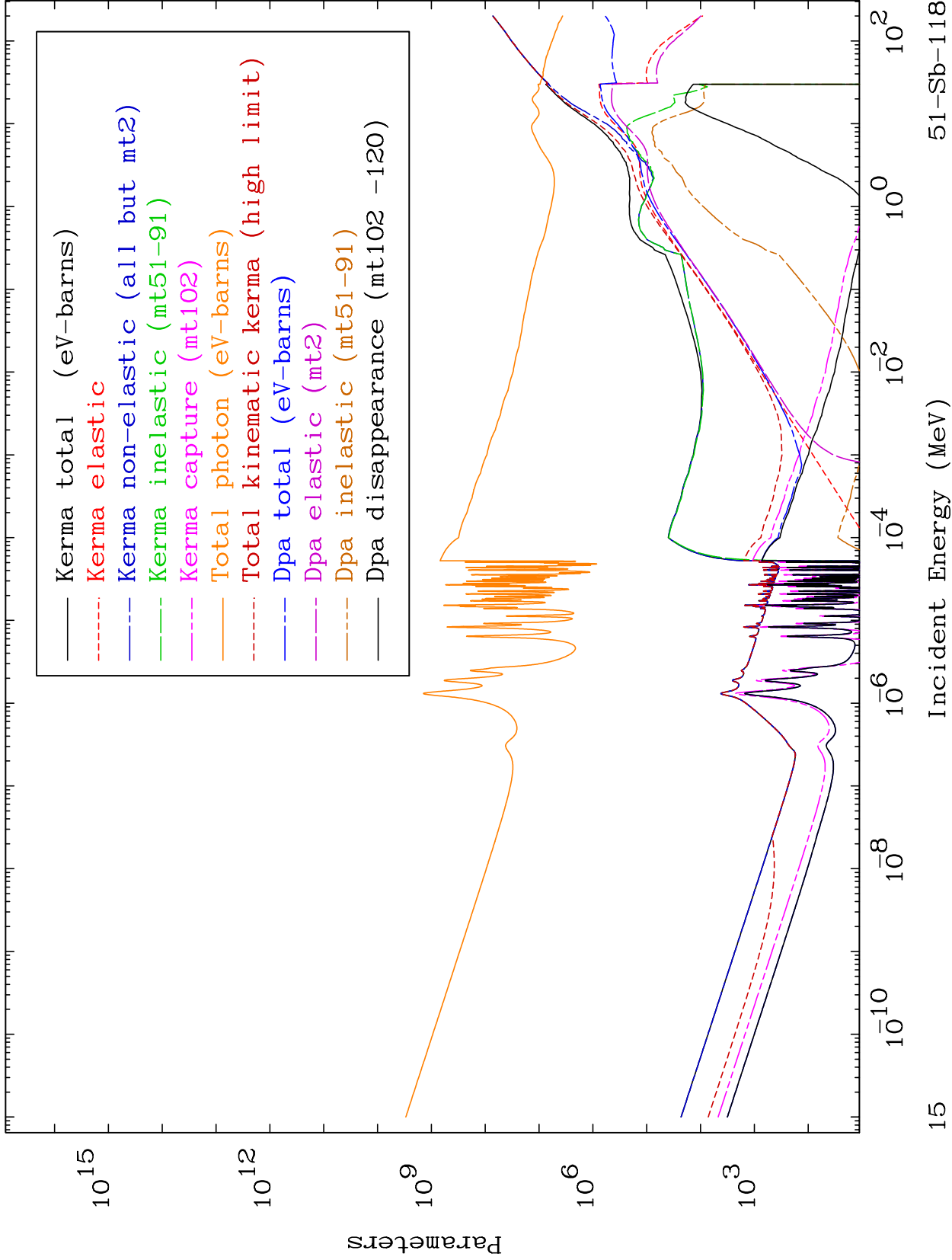
51-Sb-118



Incident Energy (MeV)

51-Sb-118

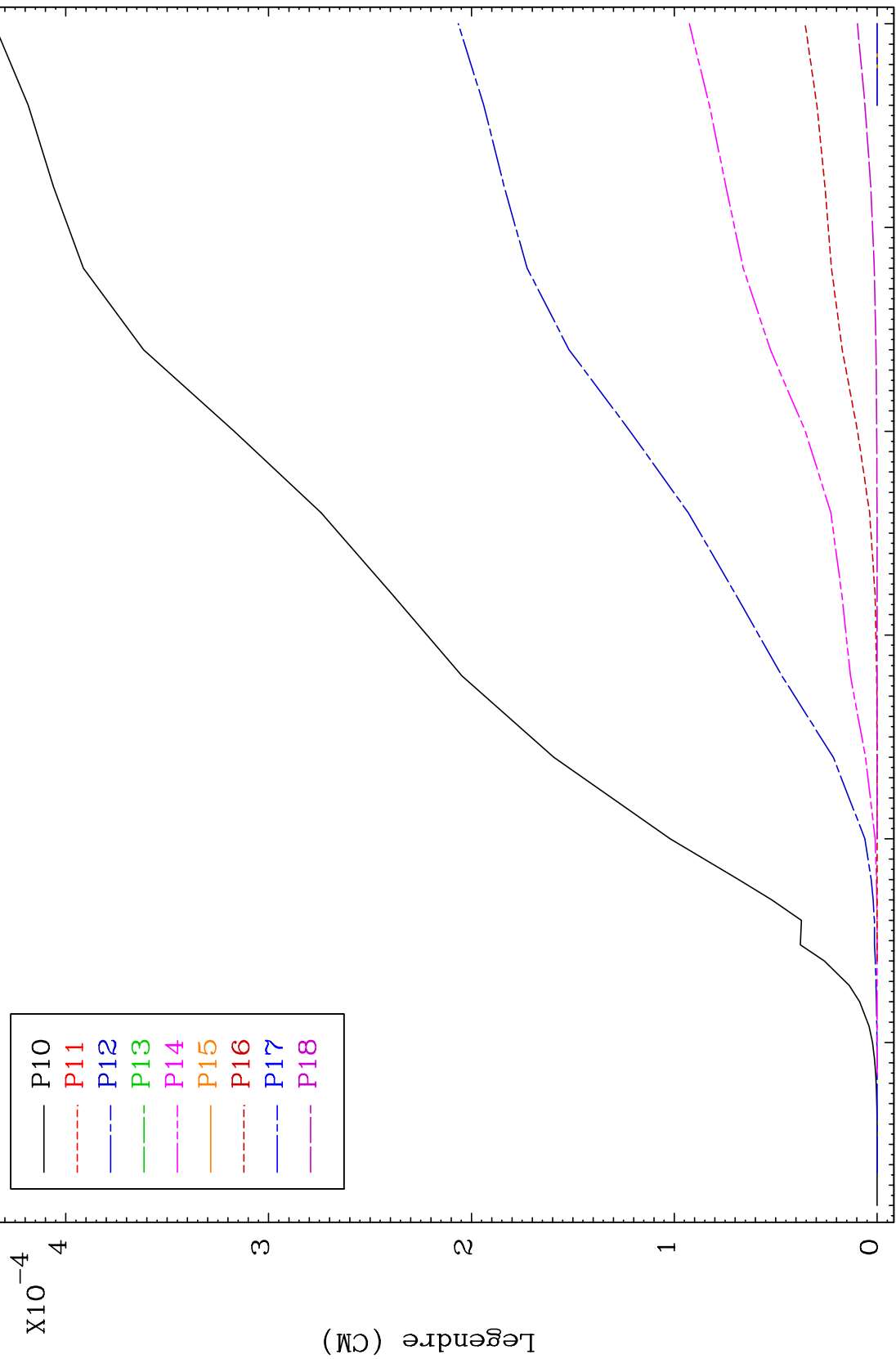
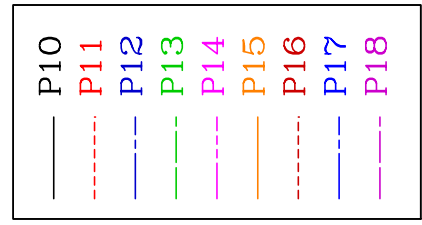
(n,α)



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Elastic Legendre Coefficients

51-Sb-118



17

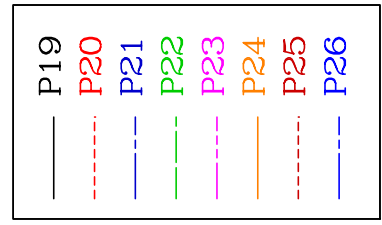
Incident Energy (MeV)

51-Sb-118

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Elastic Legendre Coefficients

51-Sb-118



$\times 10^{-7}$

Legendre (CM)



18

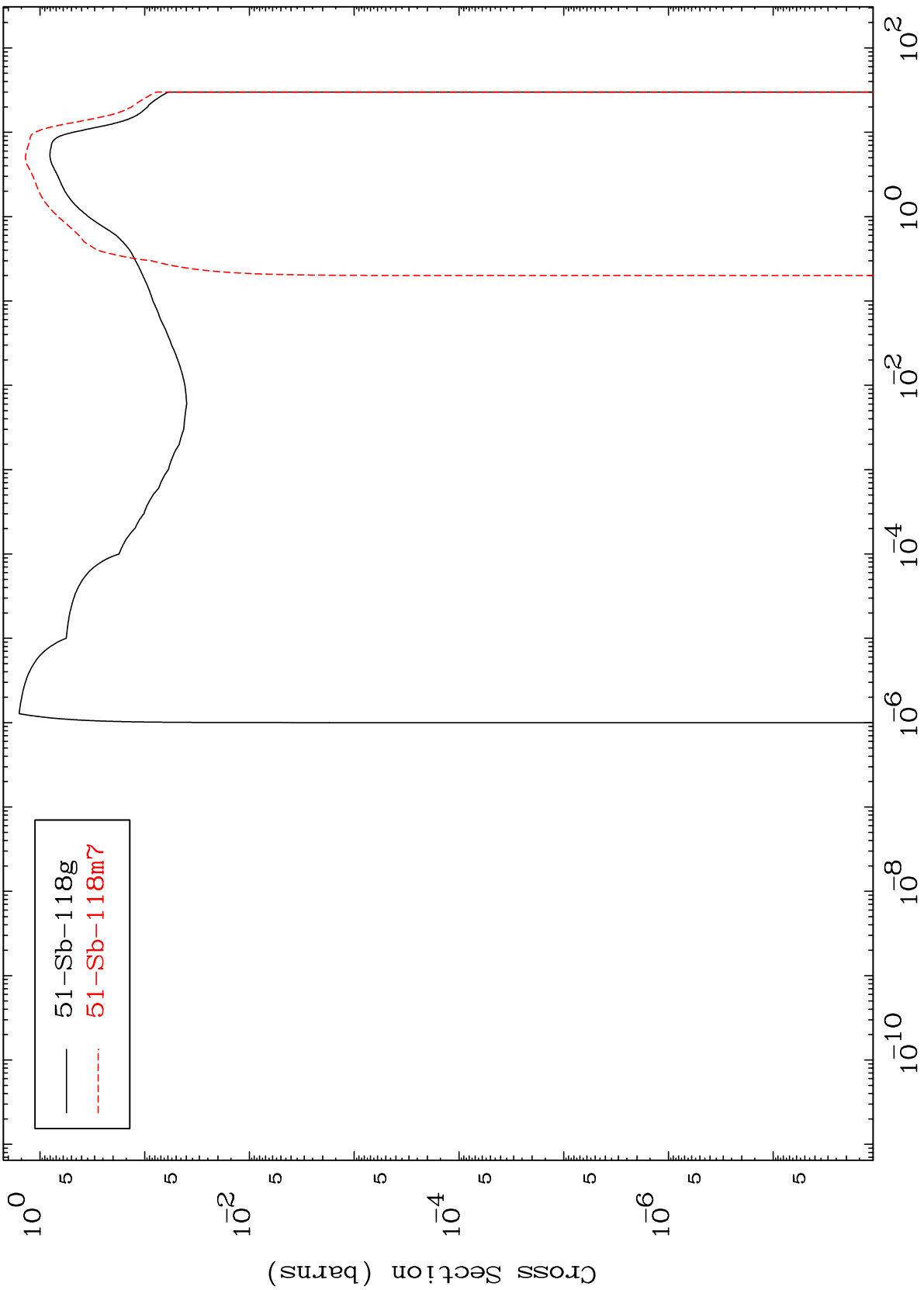
Incident Energy (MeV)

51-Sb-118

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51-Sb-118

Inelastic
Radionuclide Production Cross Section



51-Sb-118g
51-Sb-118m7

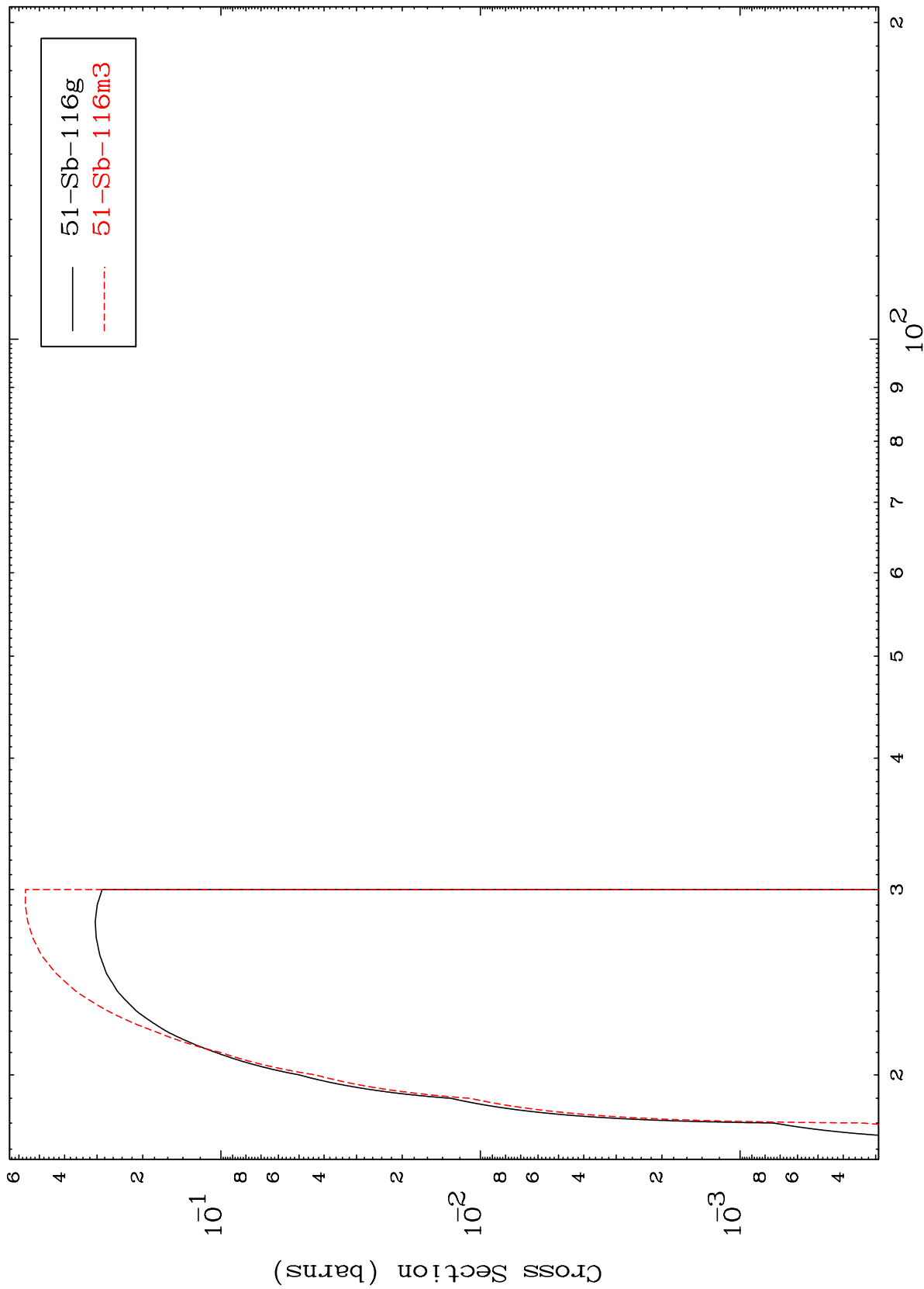
51-Sb-118

Incident Energy (MeV)

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51-Sb-118

(n,3n)
Radionuclide Production Cross Section



51-Sb-118

Incident Energy (MeV)

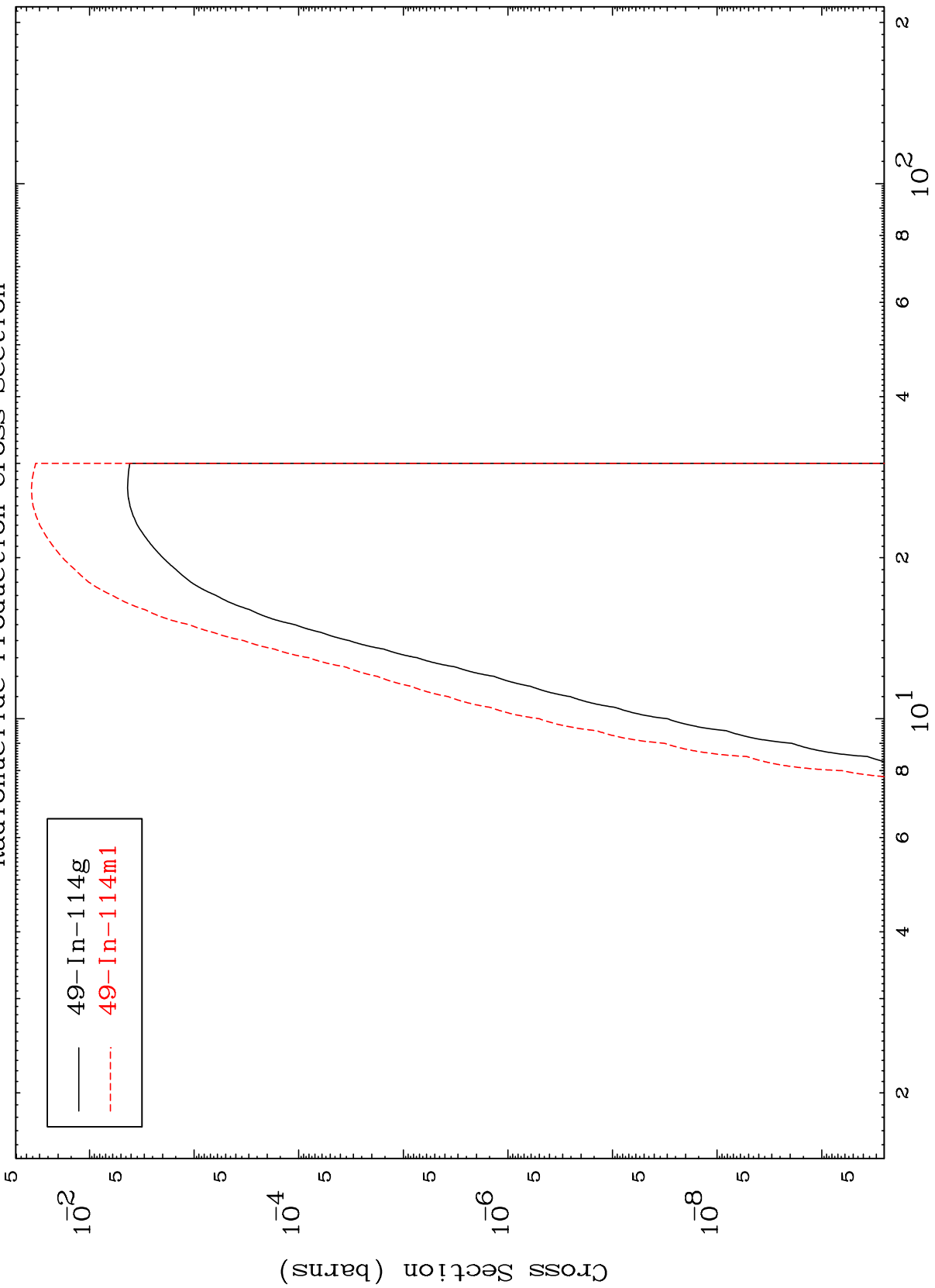
20

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51-Sb-118

(n,n') α

Radionuclide Production Cross Section

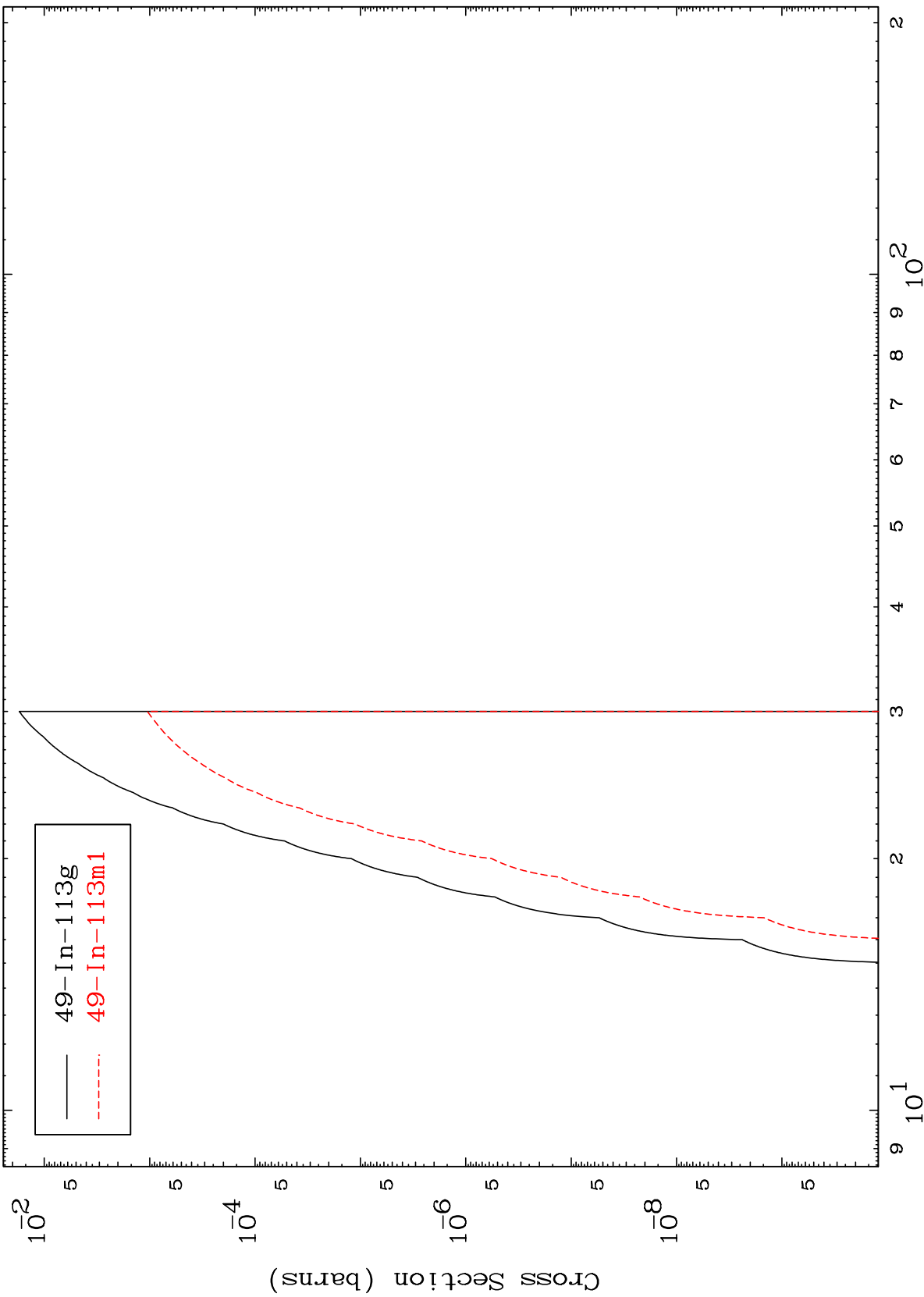


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(n,2n) α

51-Sb-118

Radionuclide Production Cross Section



22

Incident Energy (MeV)

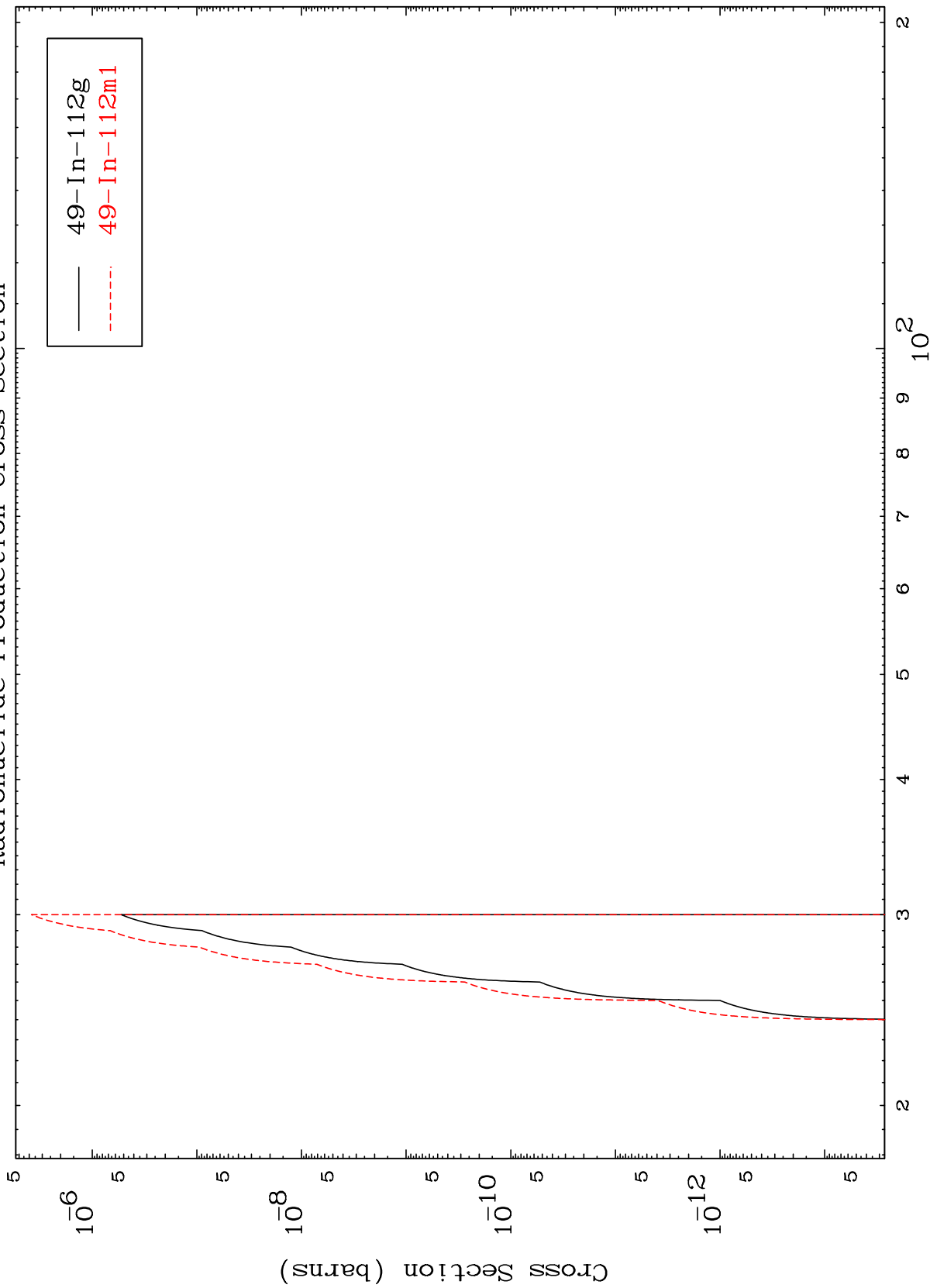
51-Sb-118

MAT 51117

(n,3n) α

51-Sb-118

Radionuclide Production Cross Section



23

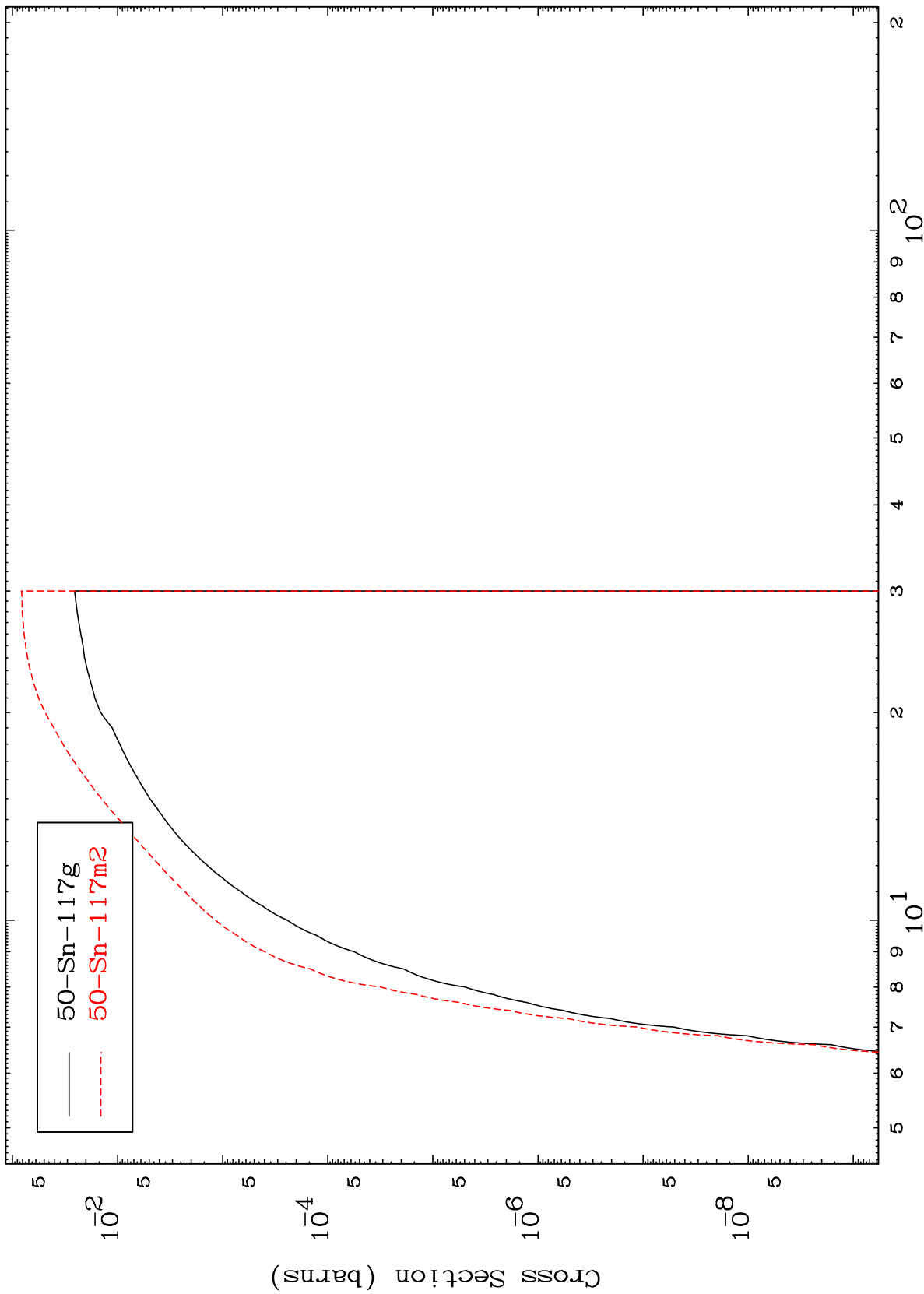
Incident Energy (MeV)

51-Sb-118

MAT 5117

51-Sb-118

(n,n') p
Radionuclide Production Cross Section



51-Sb-118

Incident Energy (MeV)

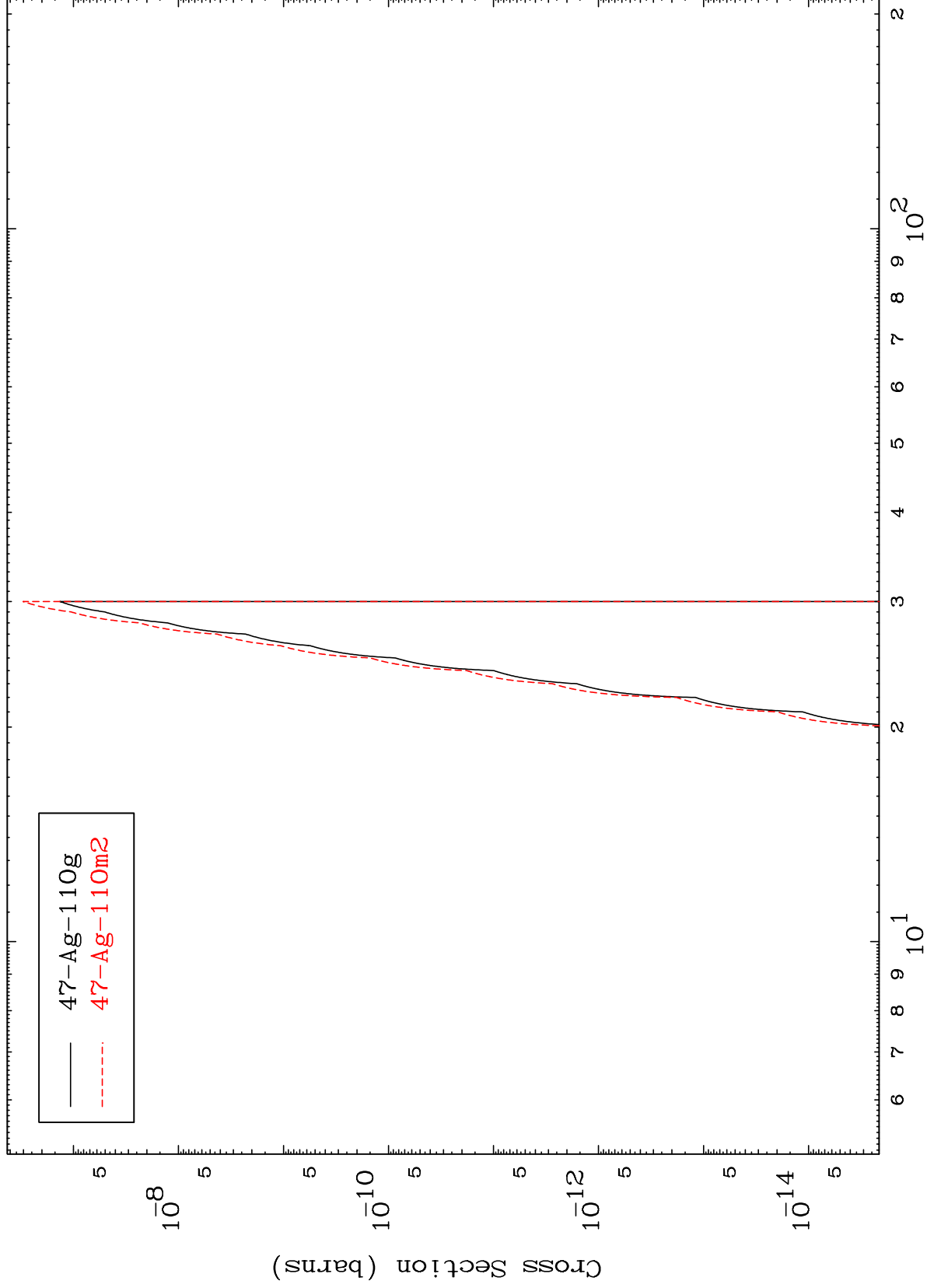
24

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(n,n') 2α

51-Sb-118

Radionuclide Production Cross Section



25

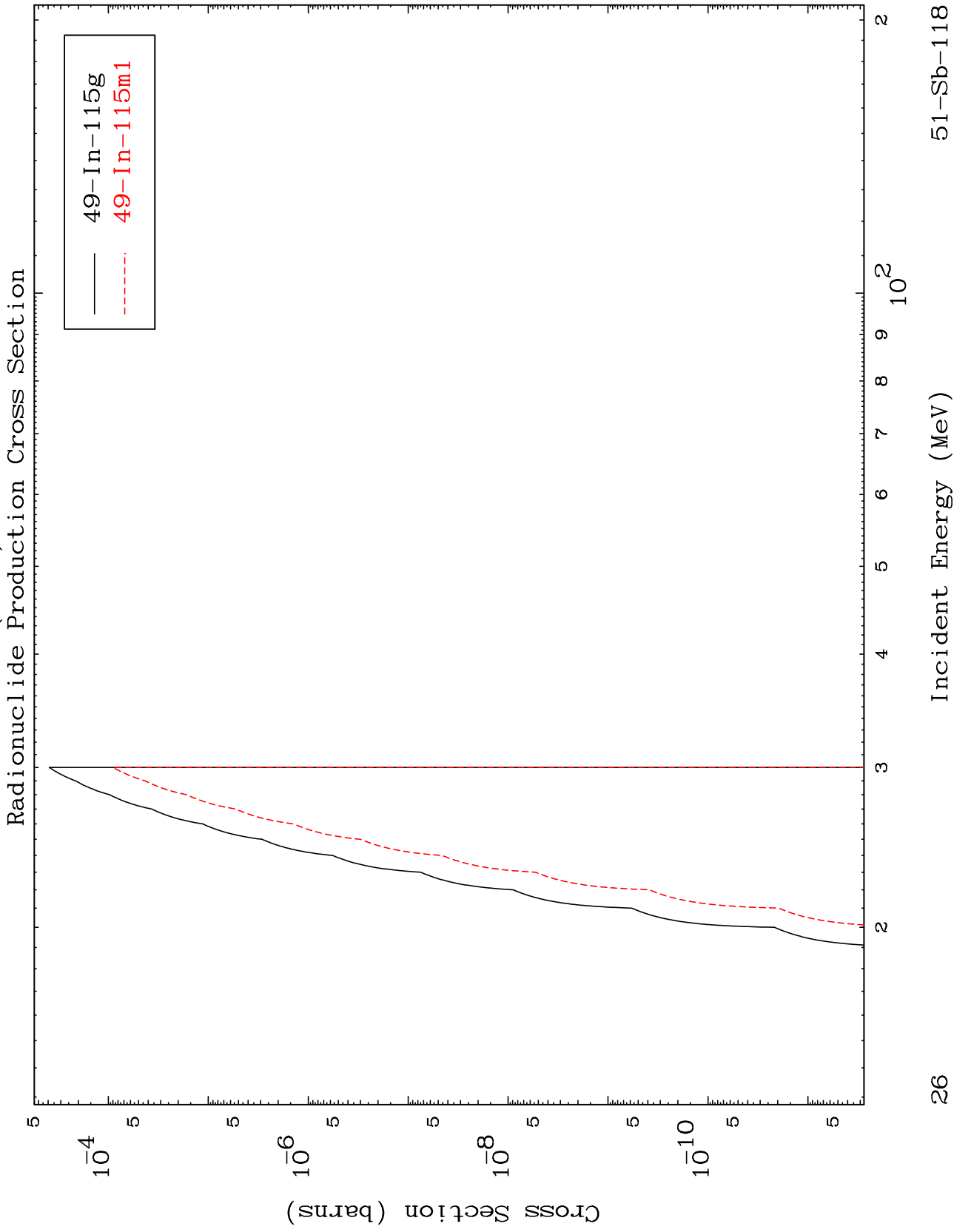
Incident Energy (MeV)

51-Sb-118

MAT 51117

(n,n') He-3

51-Sb-118

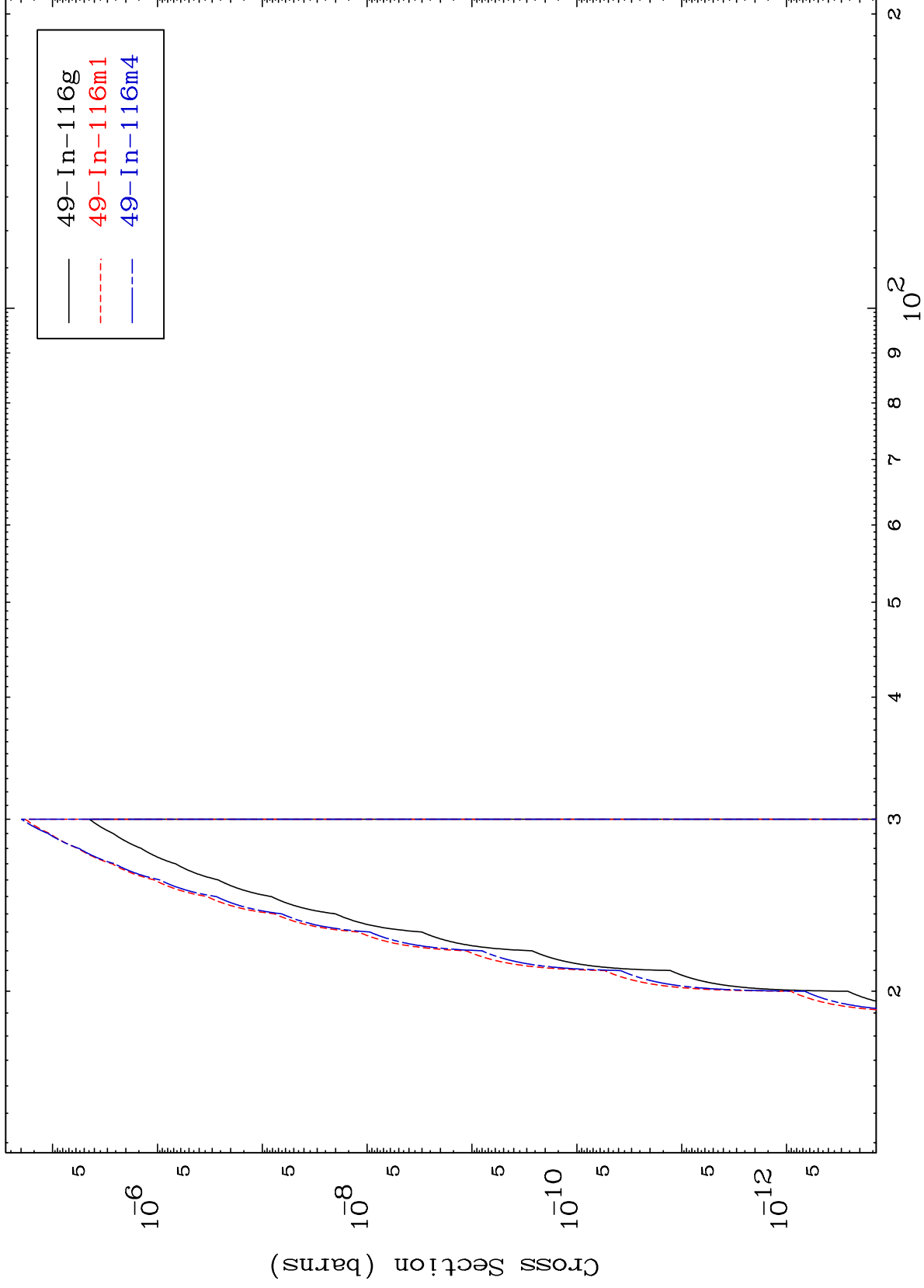


26

Incident Energy (MeV)

51-Sb-118

Radionuclide Production Cross Section

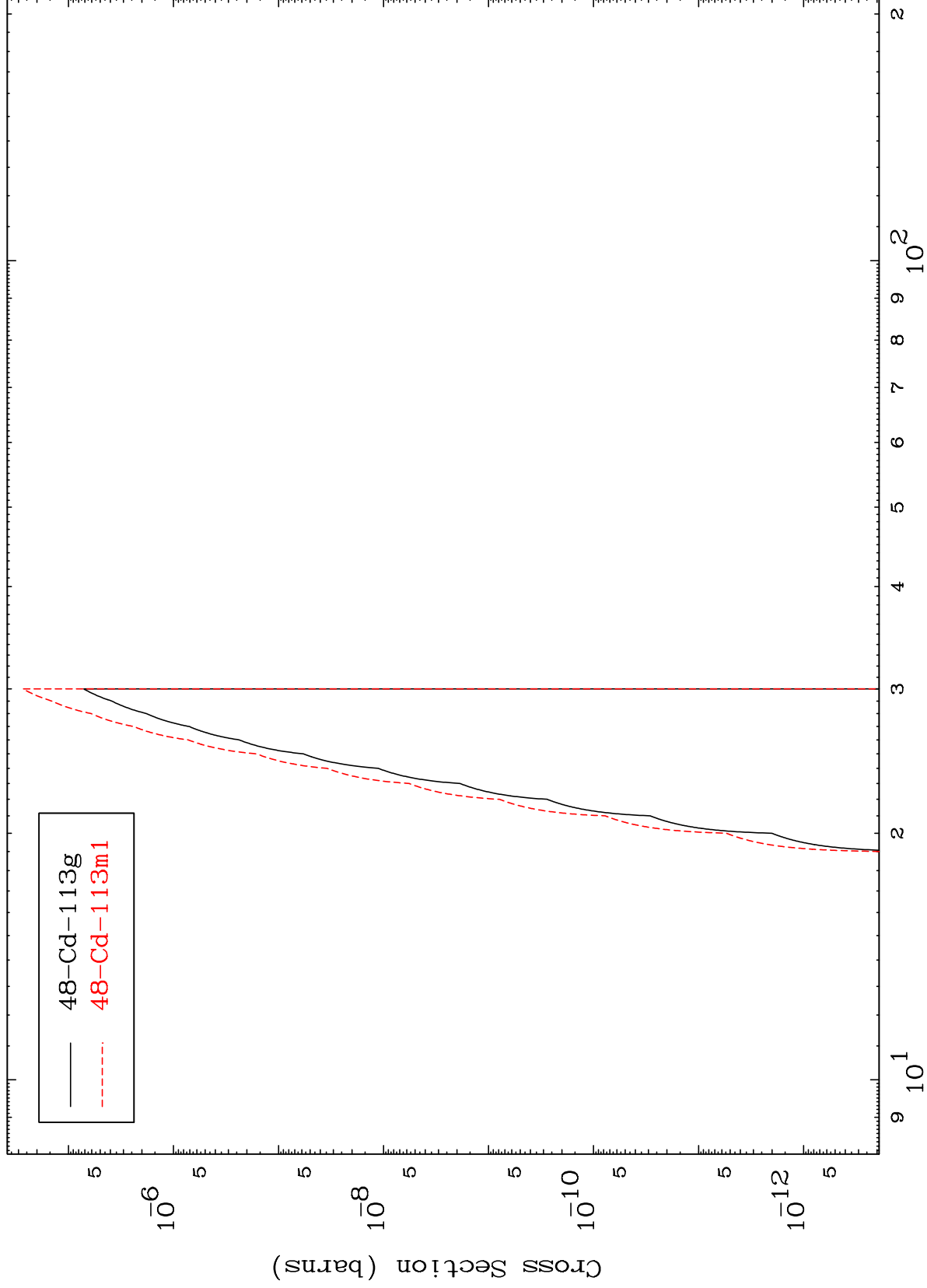


MAT 5117

(n,n') p α

51-Sb-118

Radionuclide Production Cross Section



28

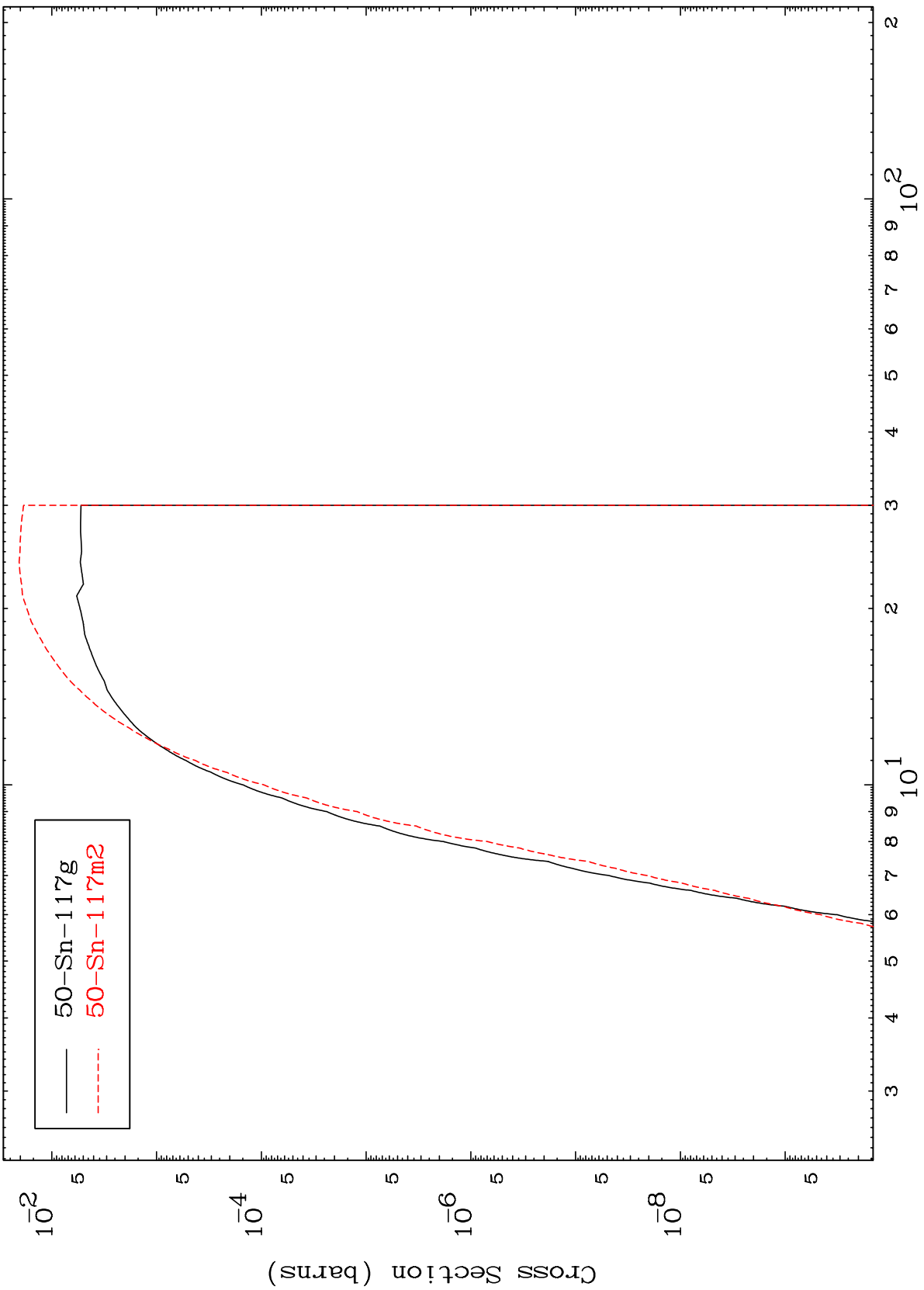
Incident Energy (MeV)

51-Sb-118

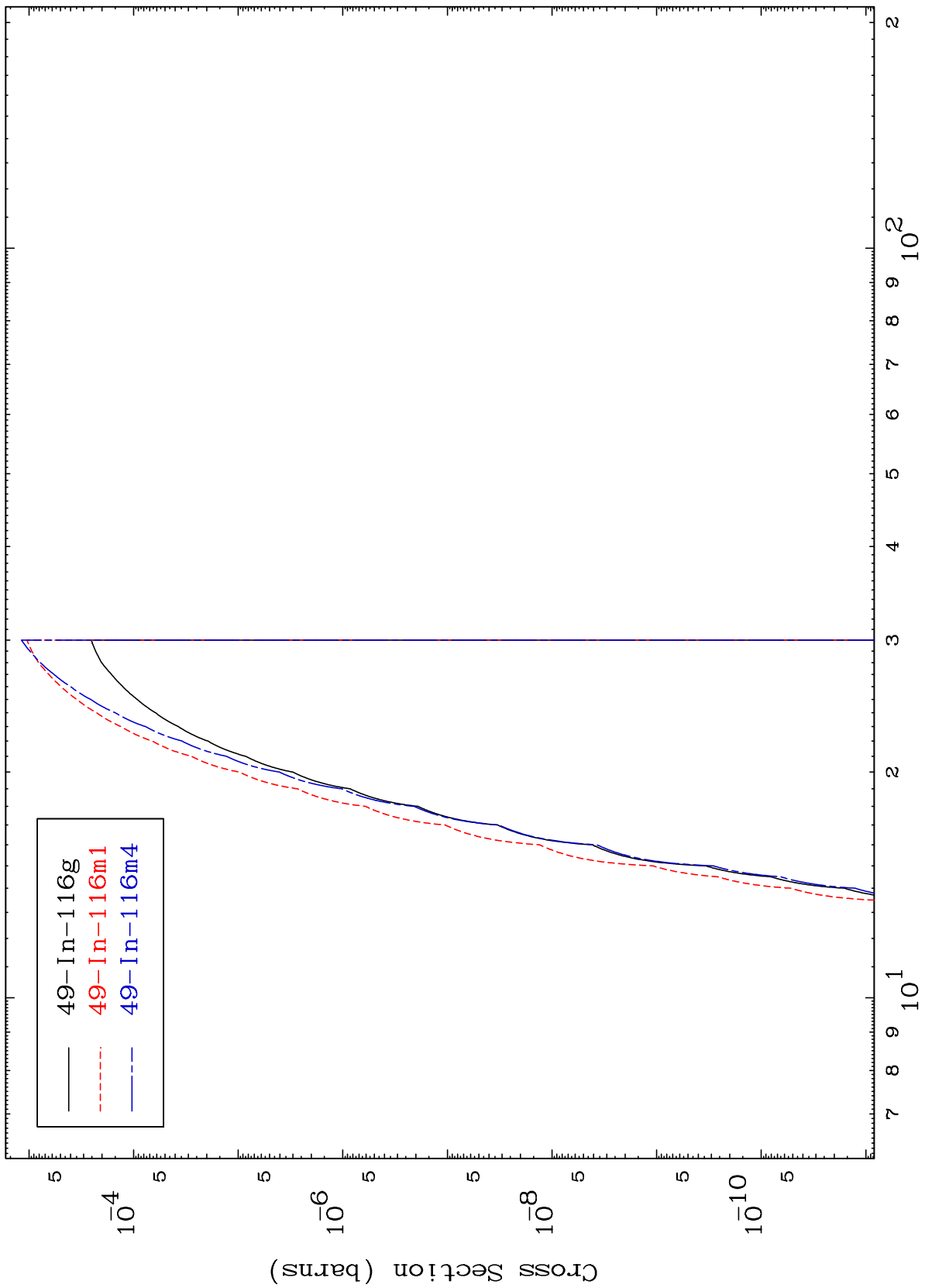
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51-Sb-118

(n,d)
Radionuclide Production Cross Section



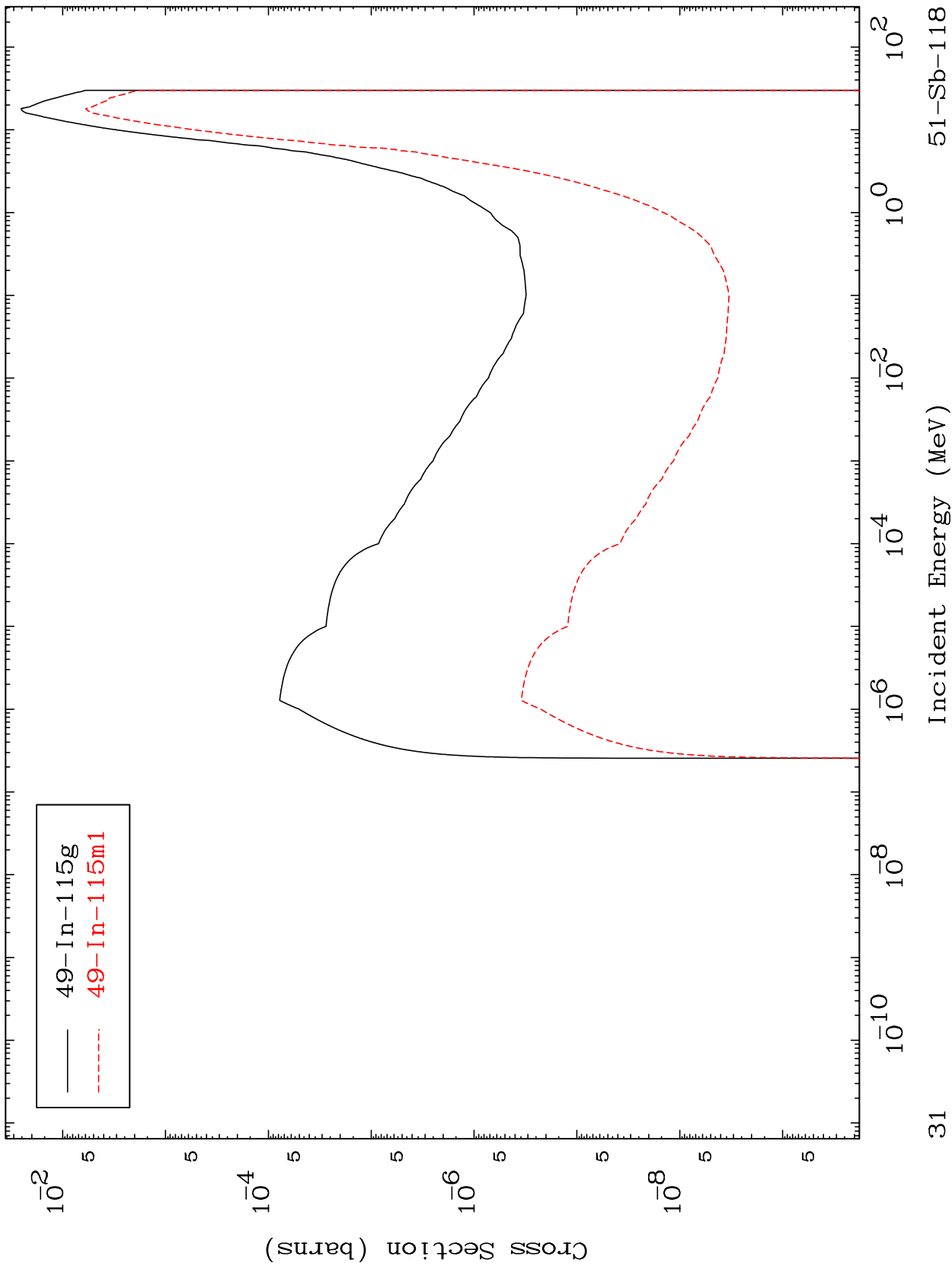
Radionuclide Production Cross Section (n,He-3)



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51-Sb-118

(n, α)
Radionuclide Production Cross Section

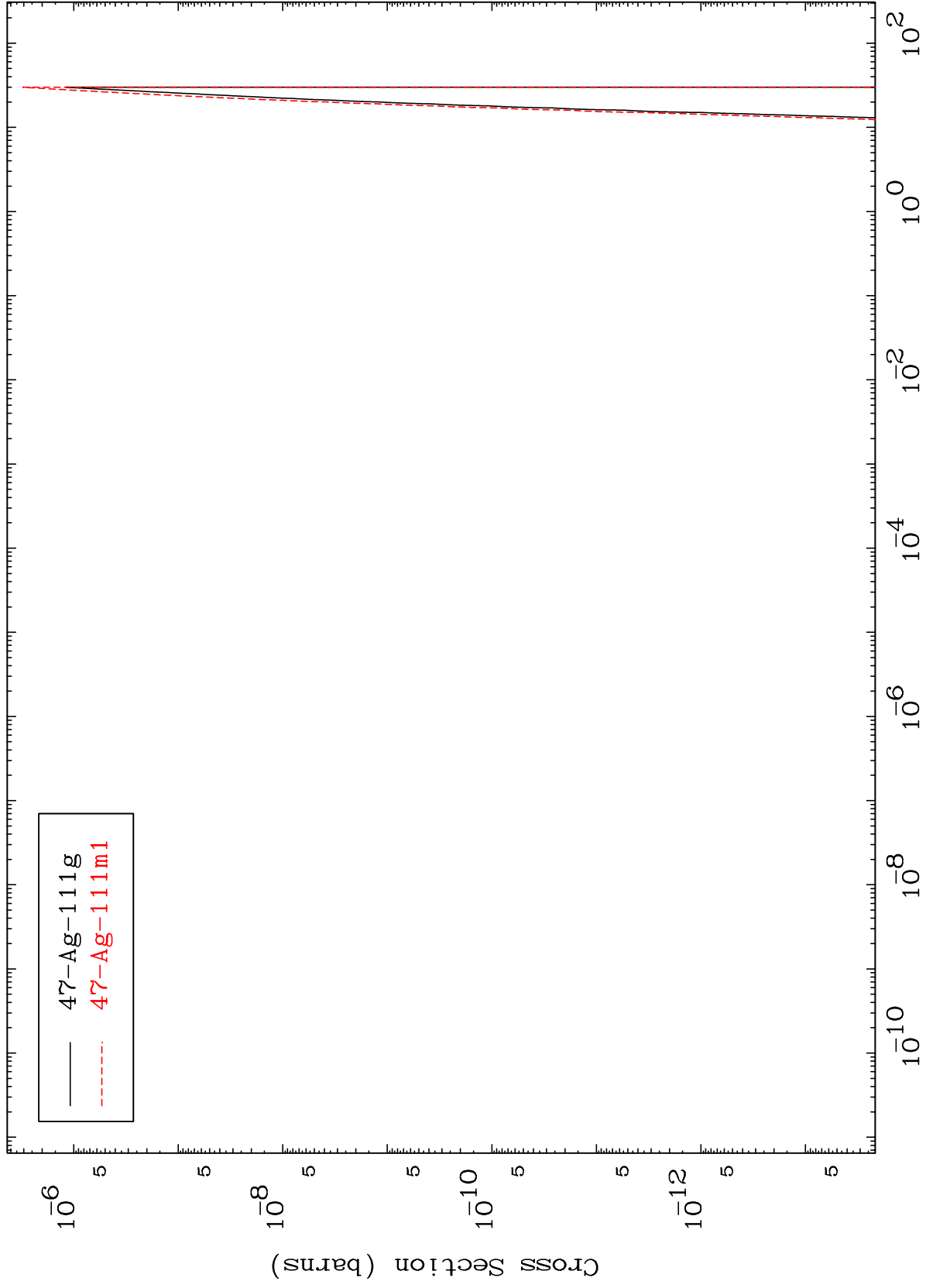


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(n,2α)

51-Sb-118

Radionuclide Production Cross Section



32

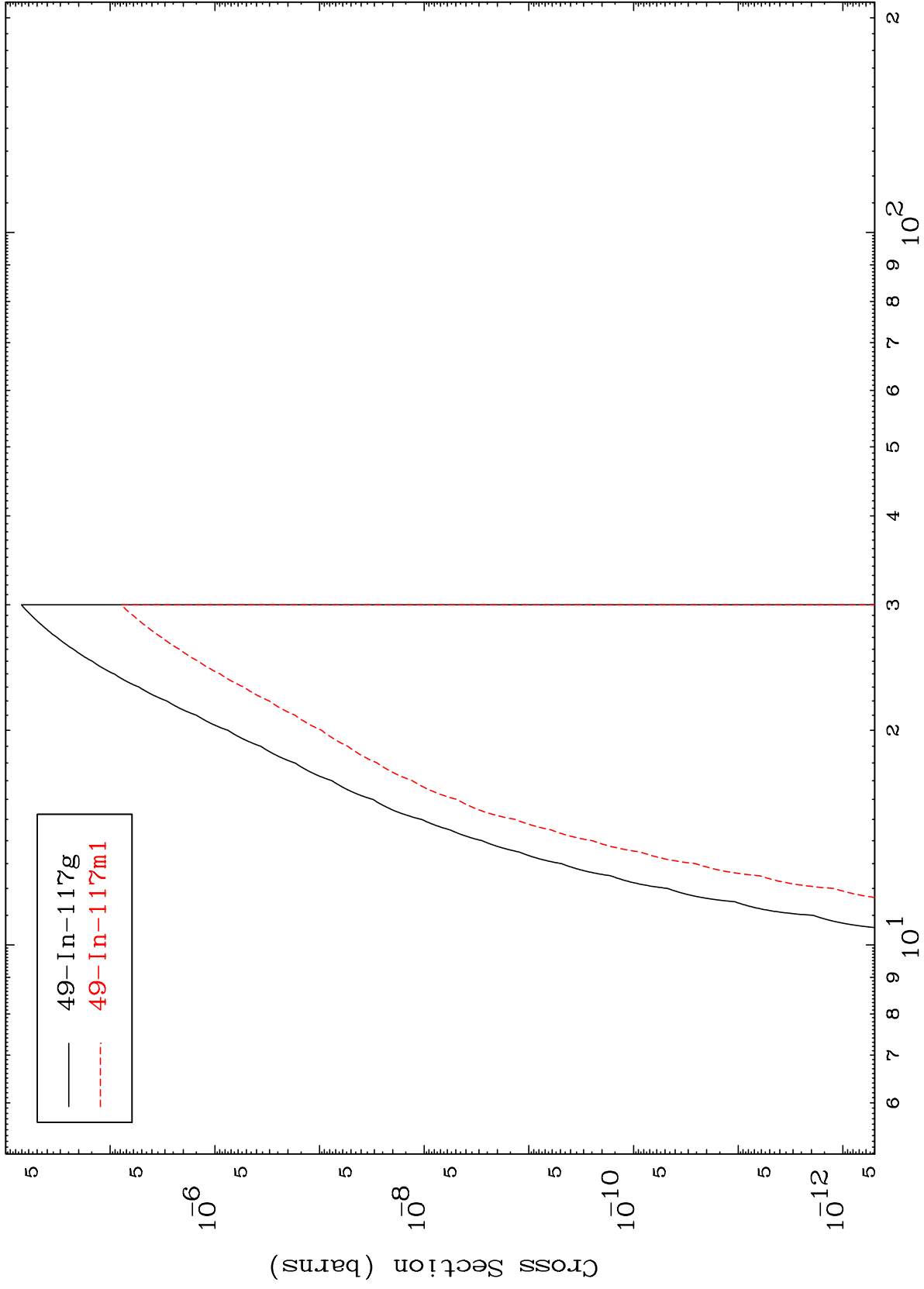
Incident Energy (MeV)

51-Sb-118

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51-Sb-118

(n,2p)
Radionuclide Production Cross Section



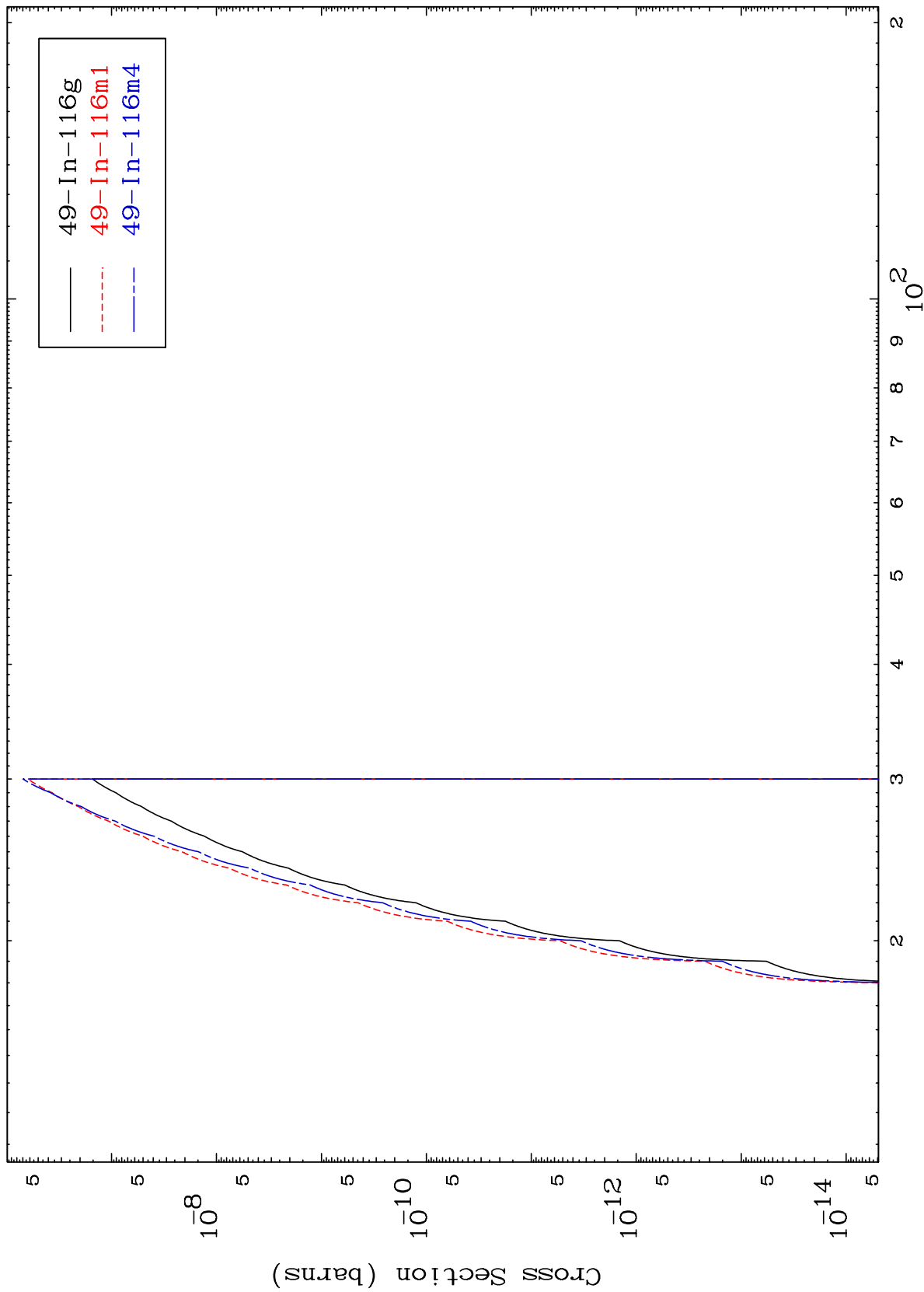
— 49-In-117g
- - - 49-In-117m1

51-Sb-118

Incident Energy (MeV)

33

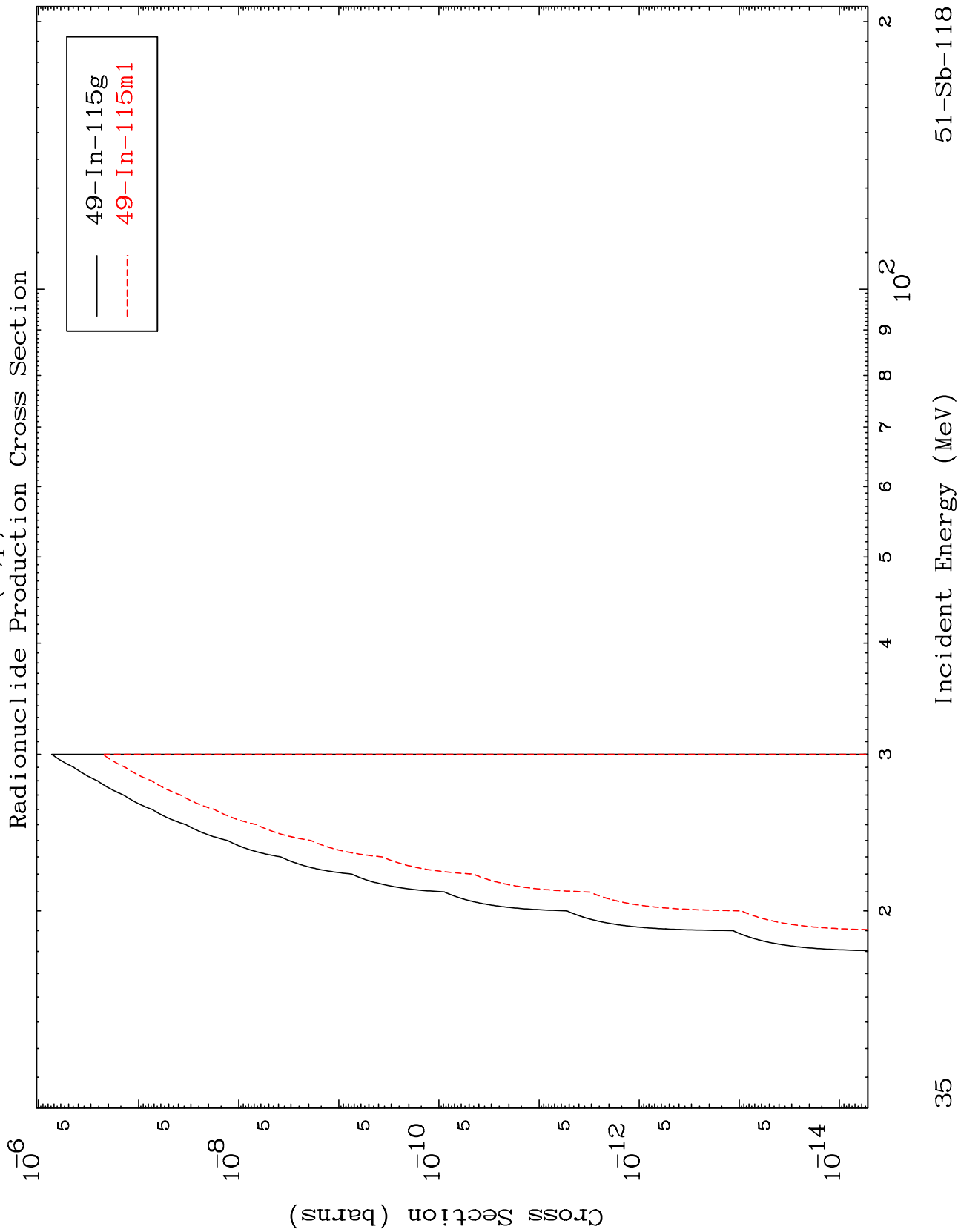
Radionuclide Production Cross Section



MAT 5117

(n,p) t

51-Sb-118



35

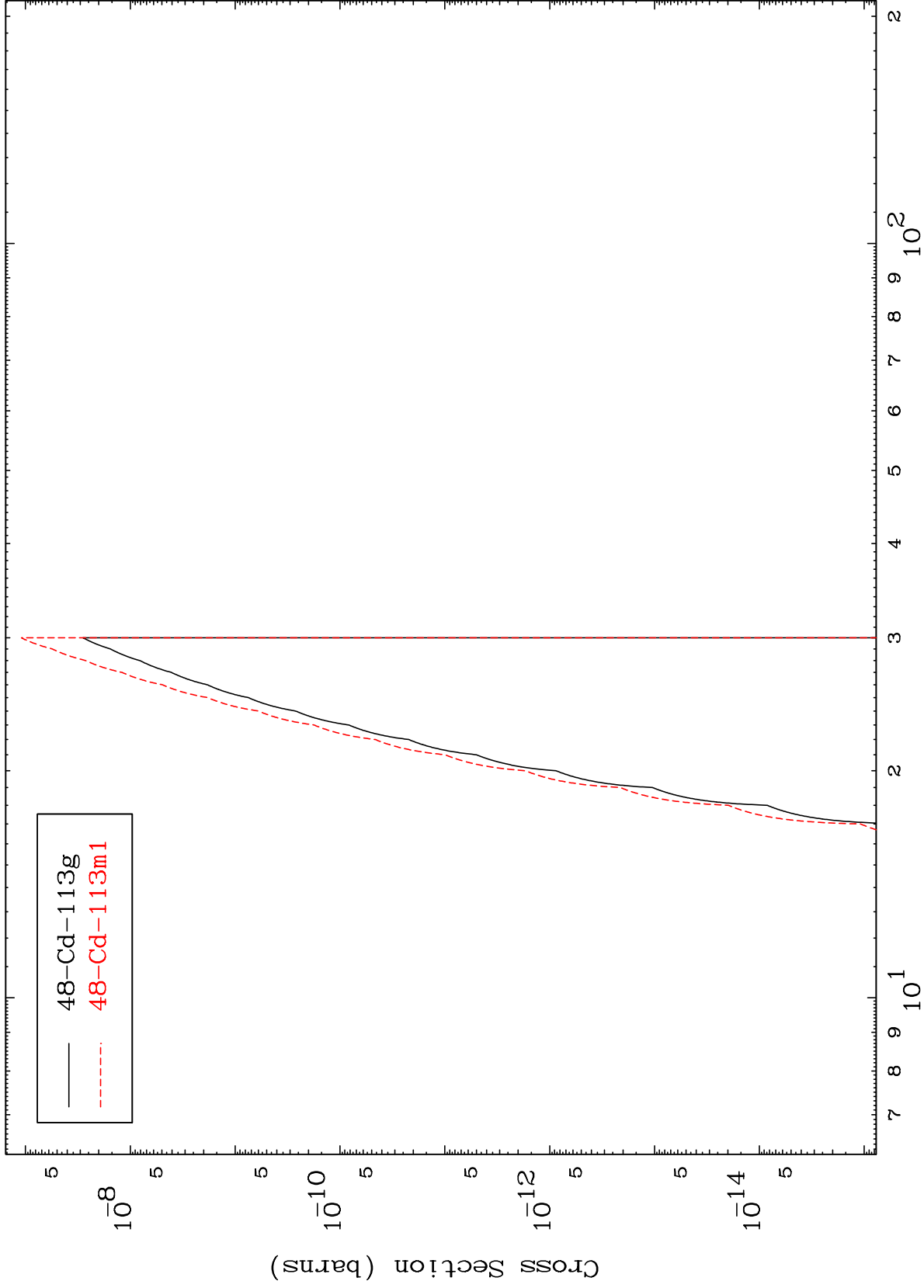
51-Sb-118

MAT 5117

(n,d) α

51-Sb-118

Radionuclide Production Cross Section



36

Incident Energy (MeV)

51-Sb-118