

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

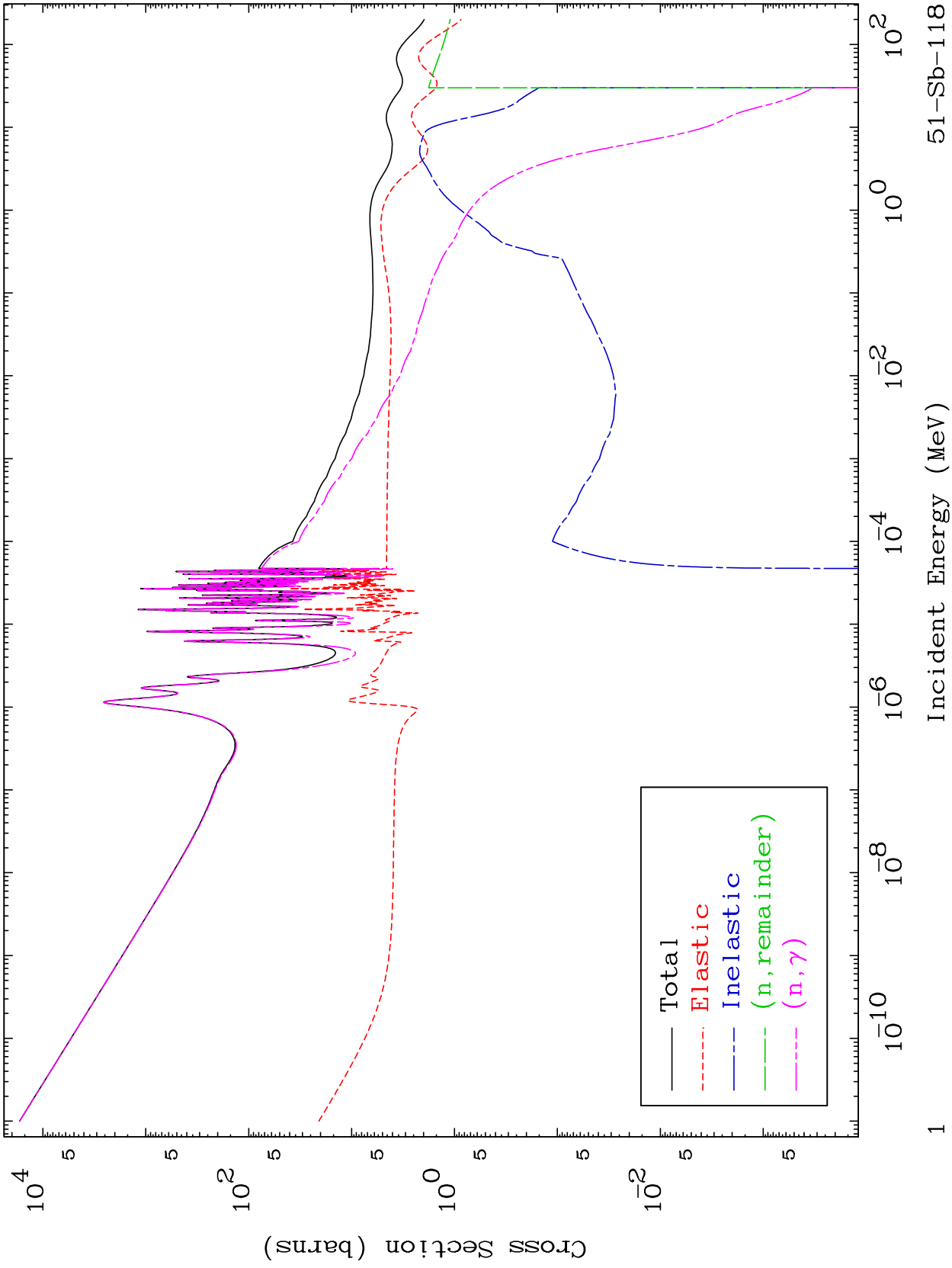
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

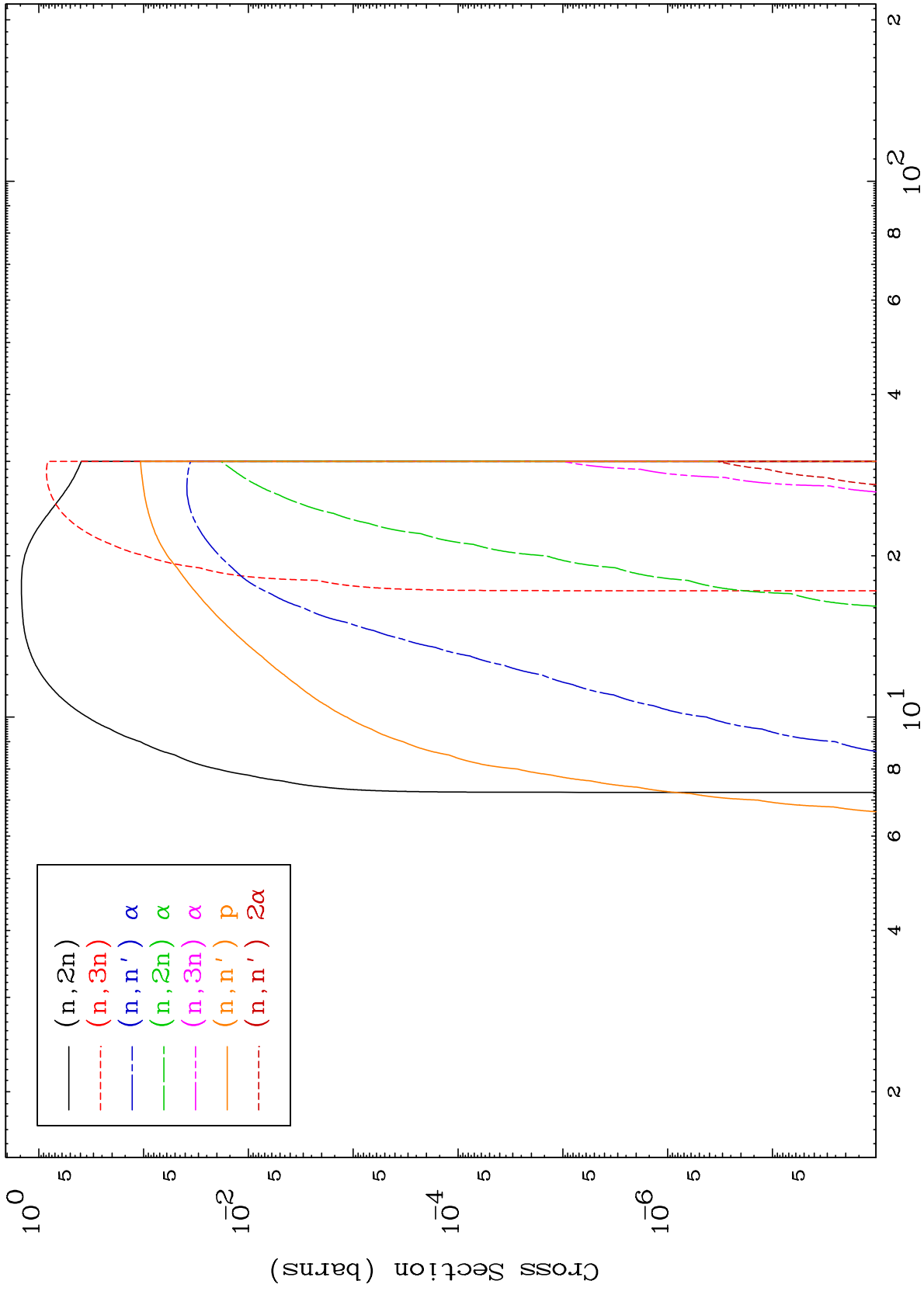
Press Mouse Button to Start

MAT 5117

Major
293 Kelvin Cross Sections

51-Sb-118

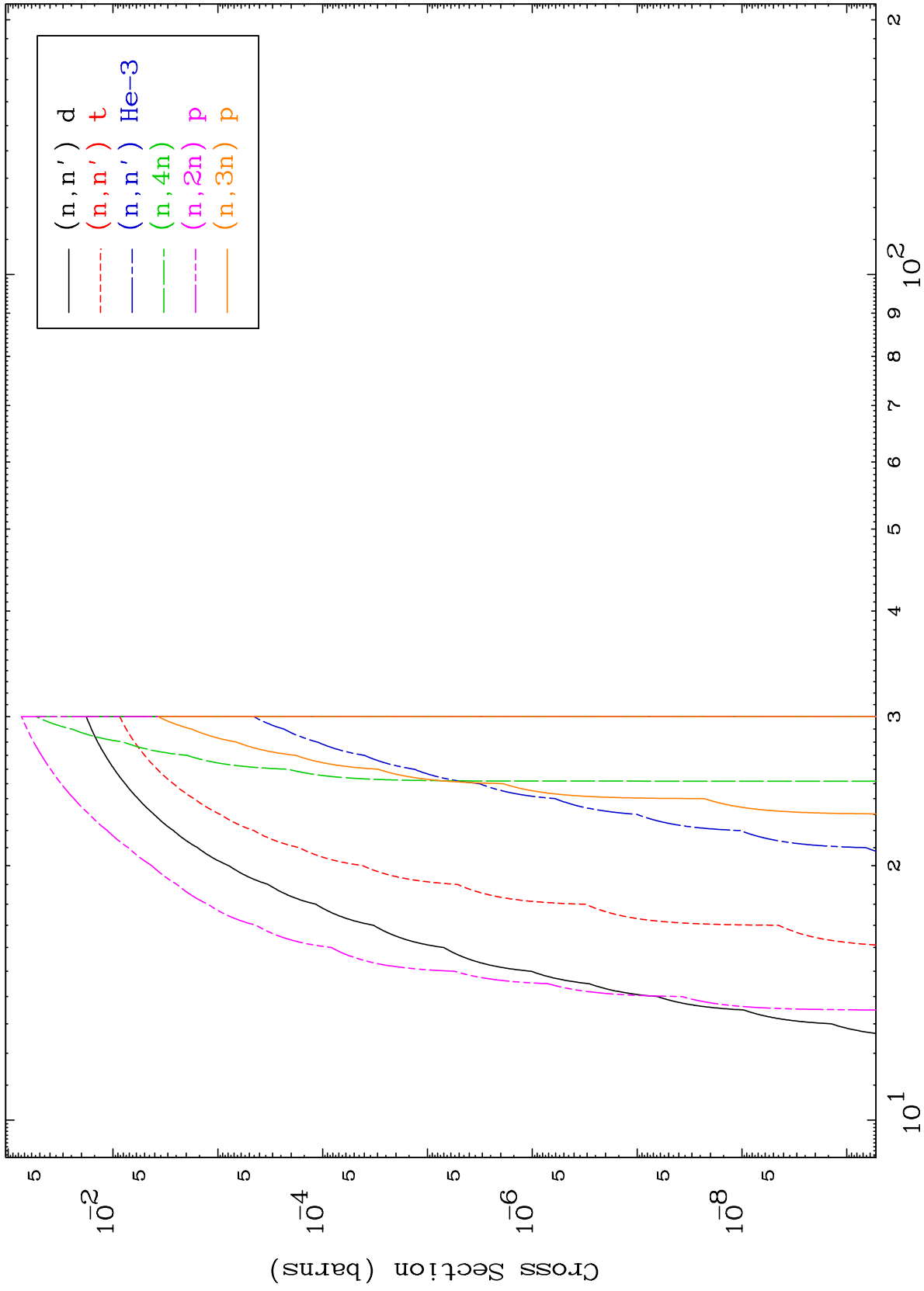




MAT 5117

Neutron Production
293 Kelvin Cross Sections

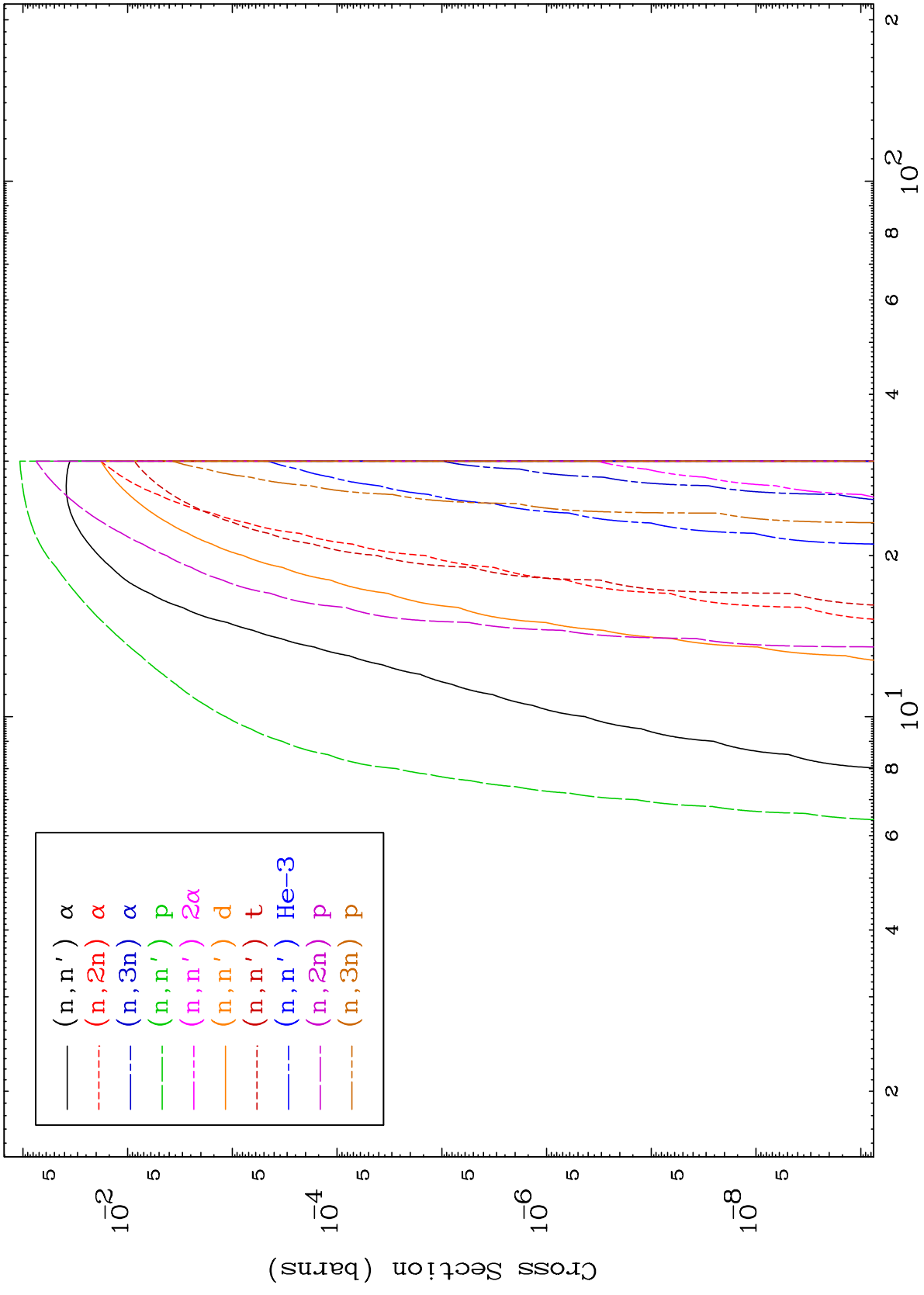
51-Sb-118



3

Incident Energy (MeV)

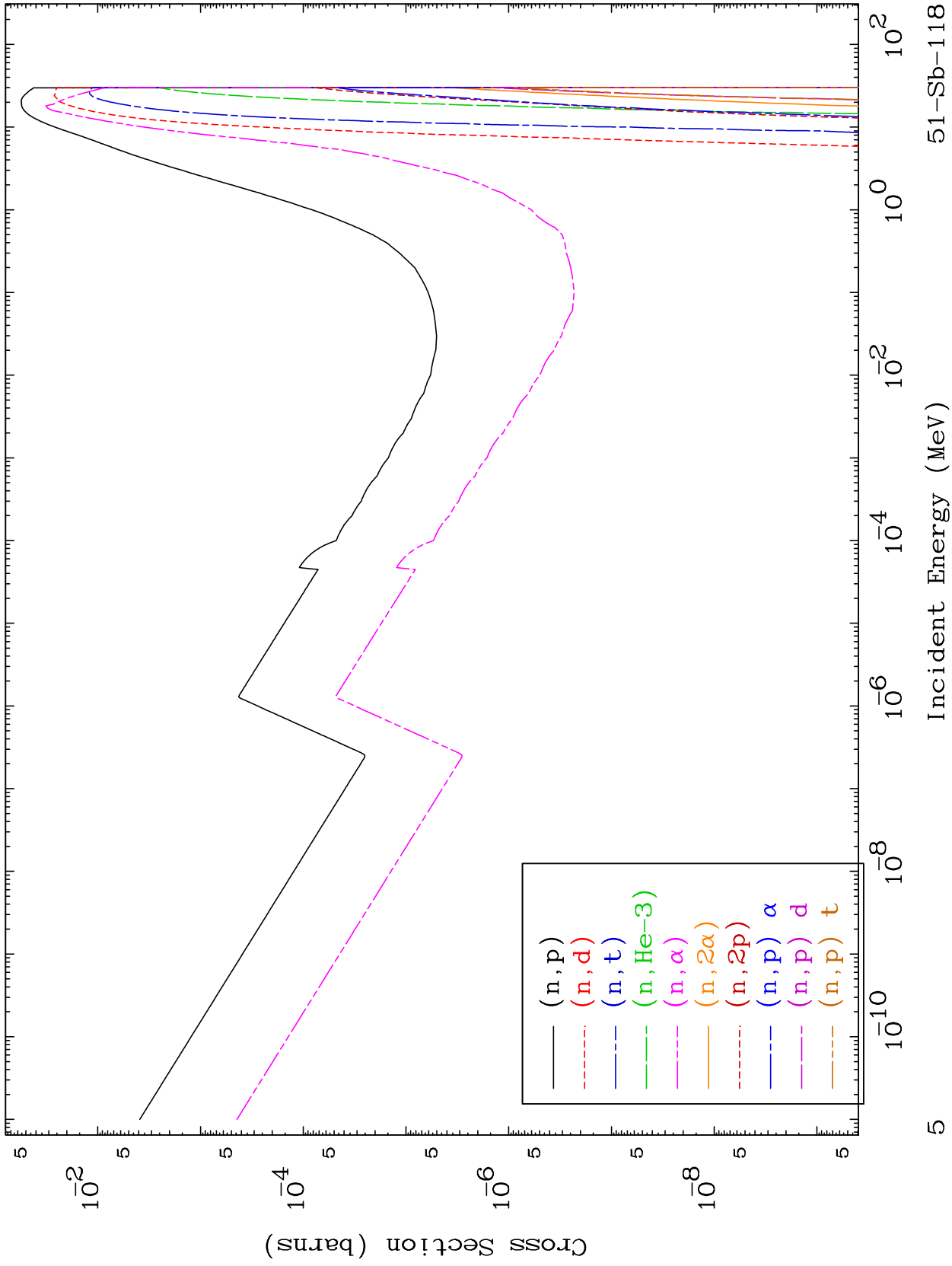
51-Sb-118

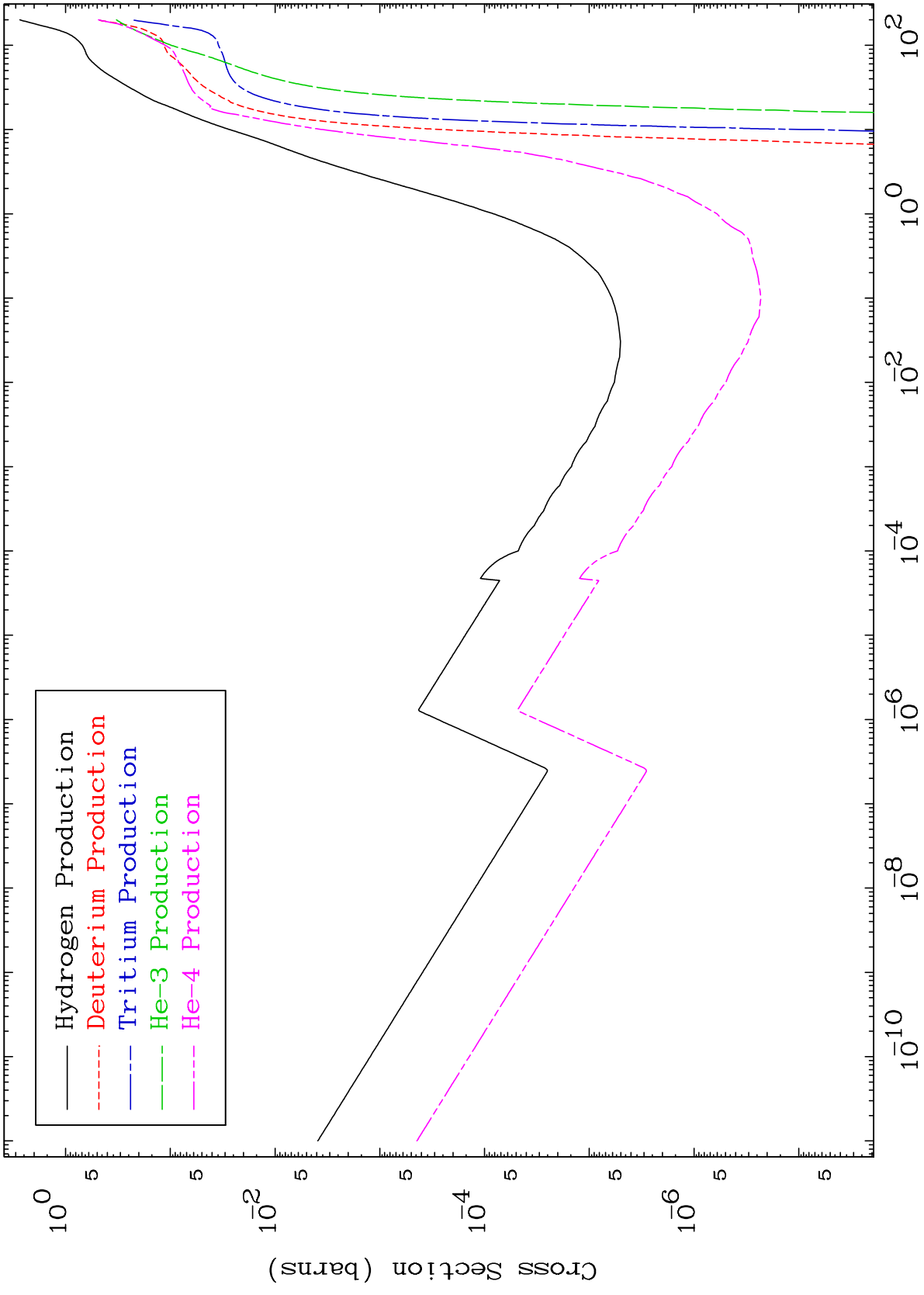


MAT 5117

293 Kelvin Cross Sections

51-Sb-118

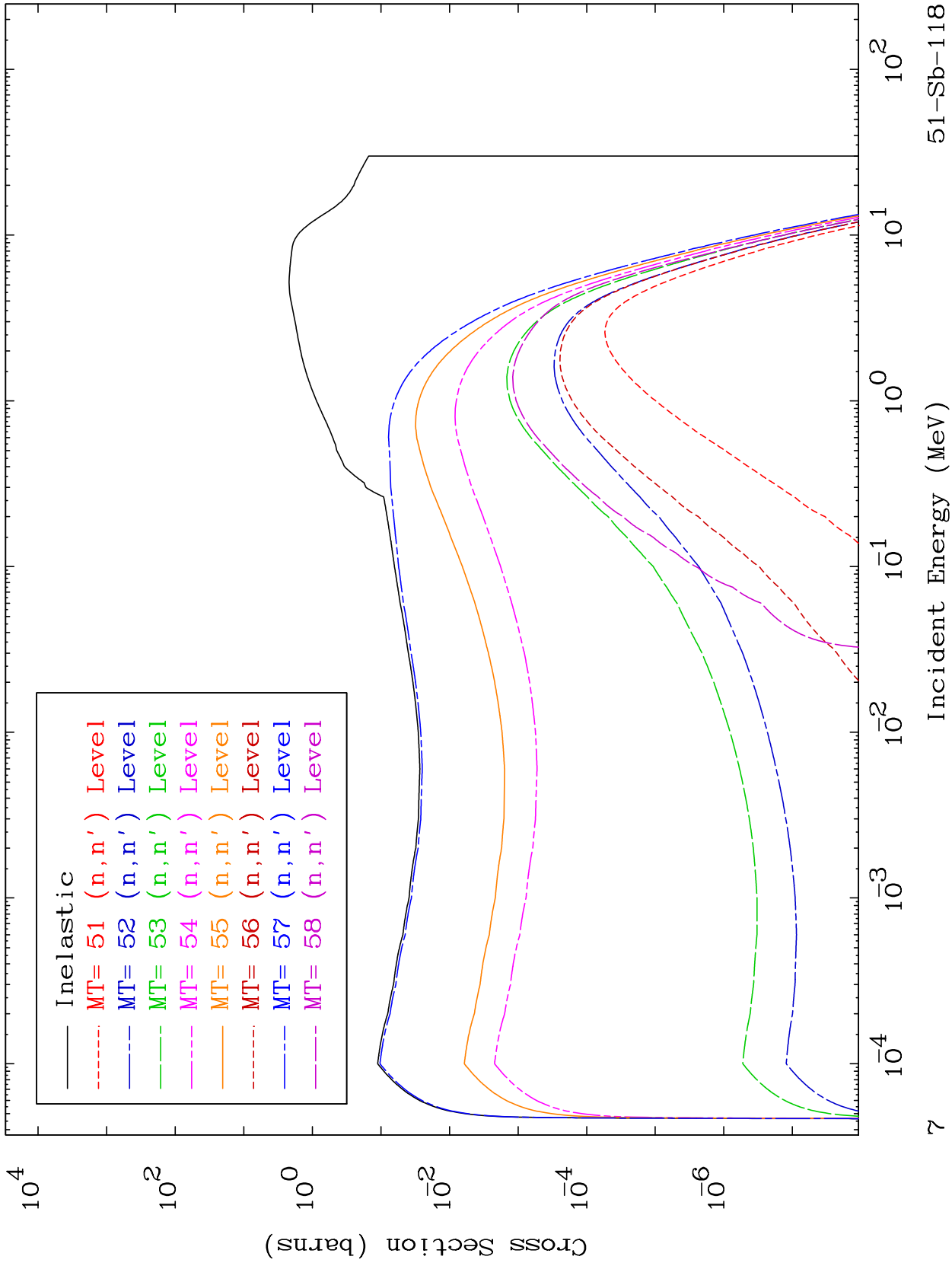




MAT 5117

293 Kelvin Cross Sections

51-Sb-118

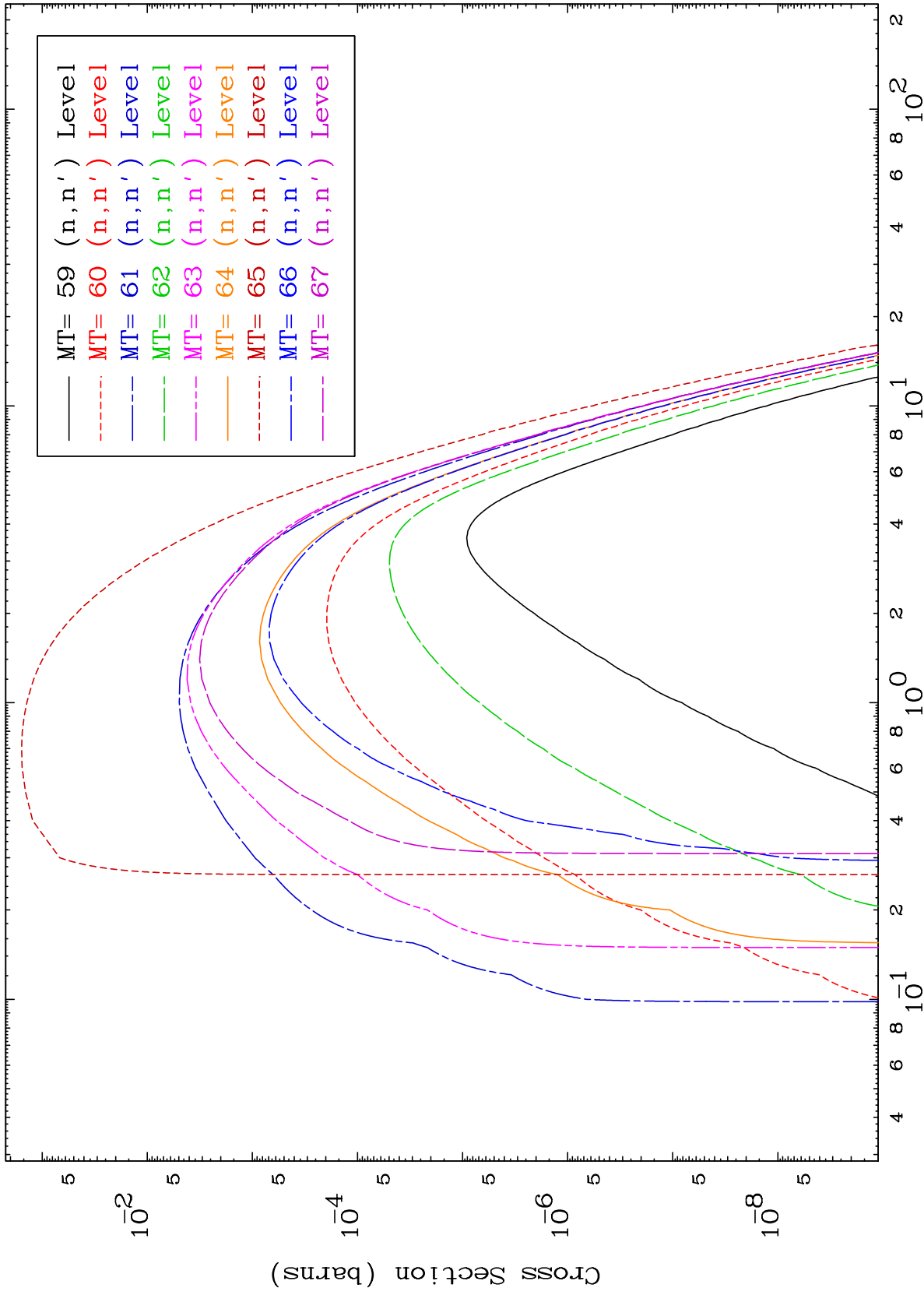


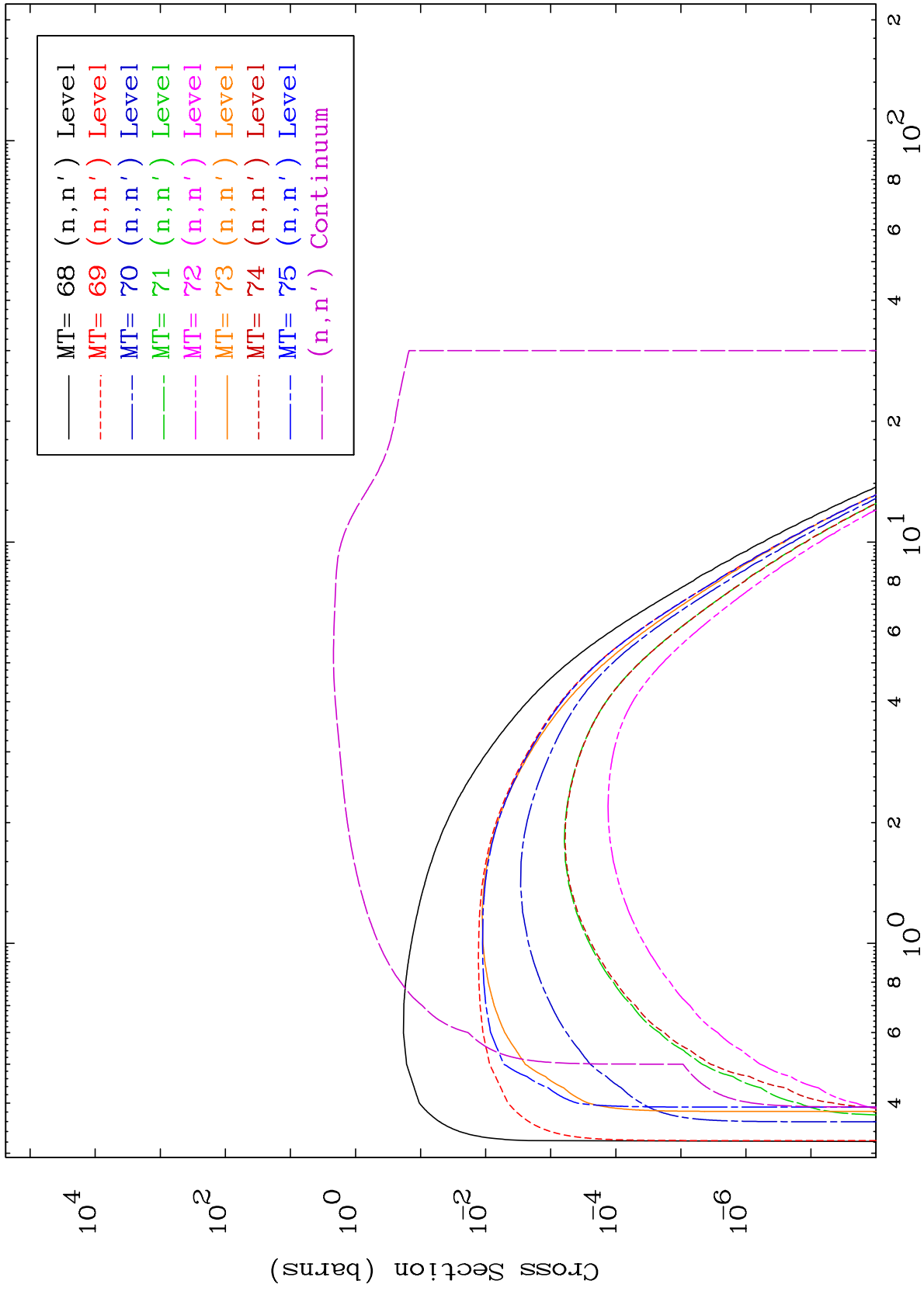
51-Sb-118

MAT 5117

(n,n') Level
293 Kelvin Cross Sections

51-Sb-118

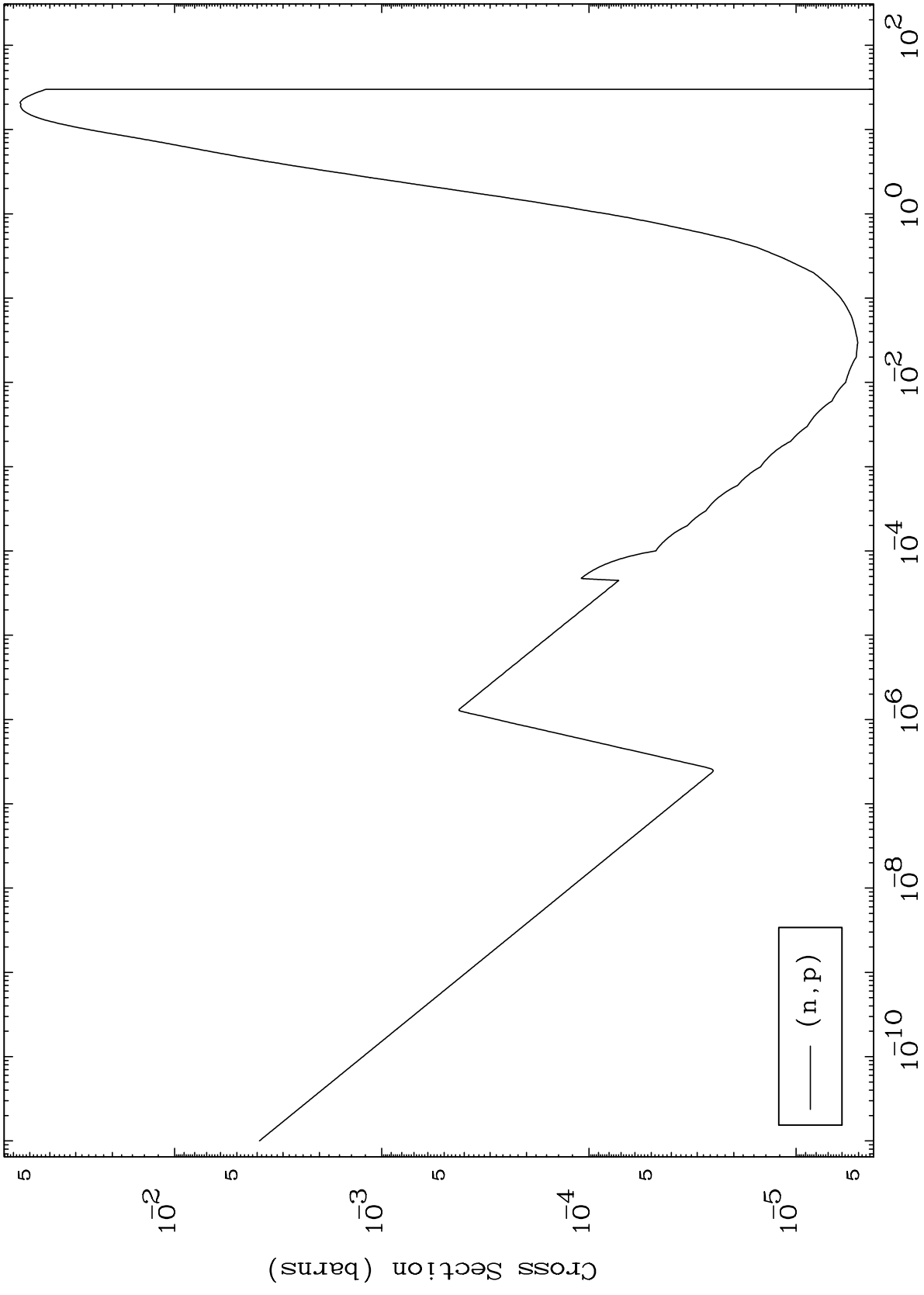




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(n,p) Levels
293 Kelvin Cross Sections

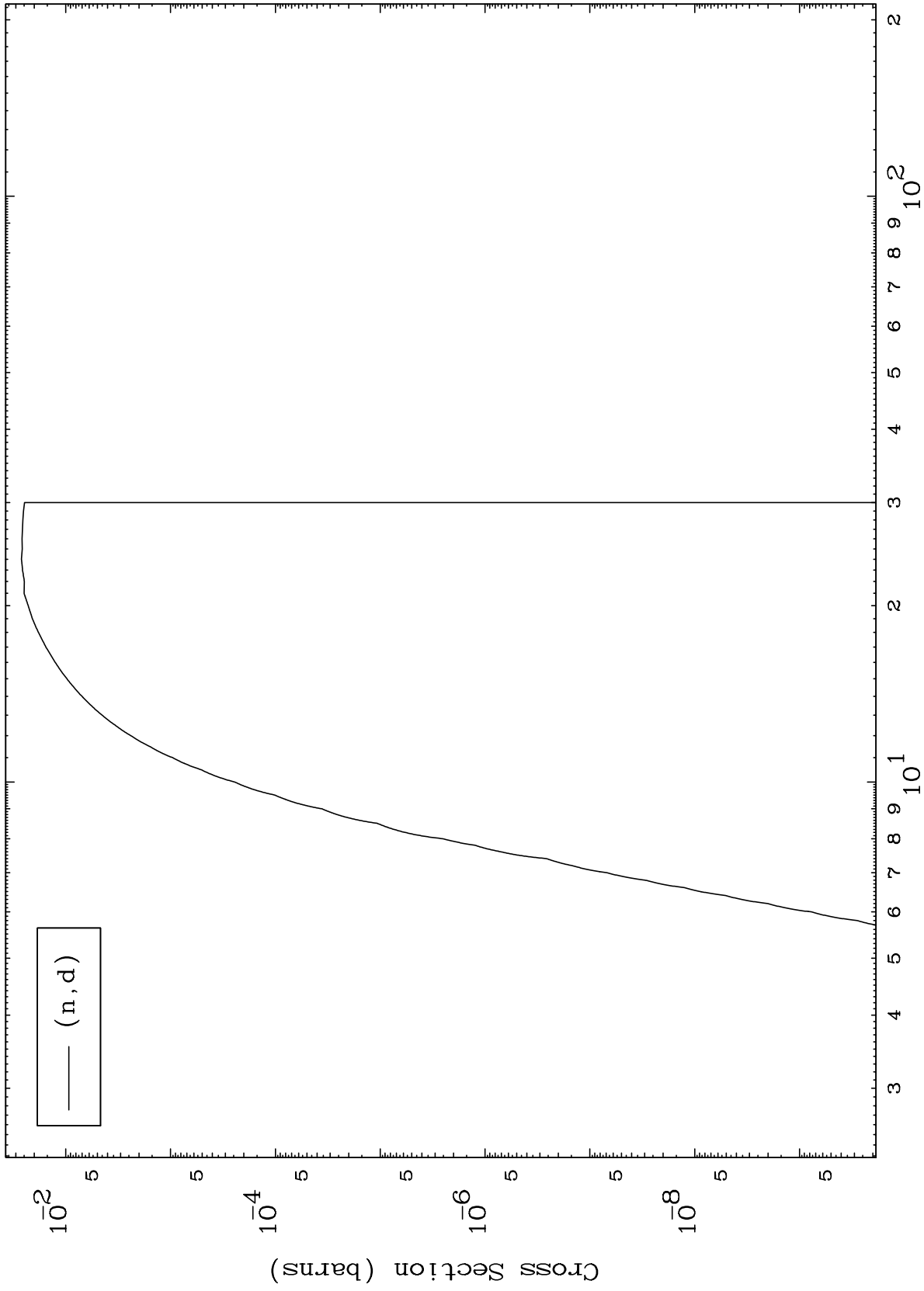
51-Sb-118



10

Incident Energy (MeV)

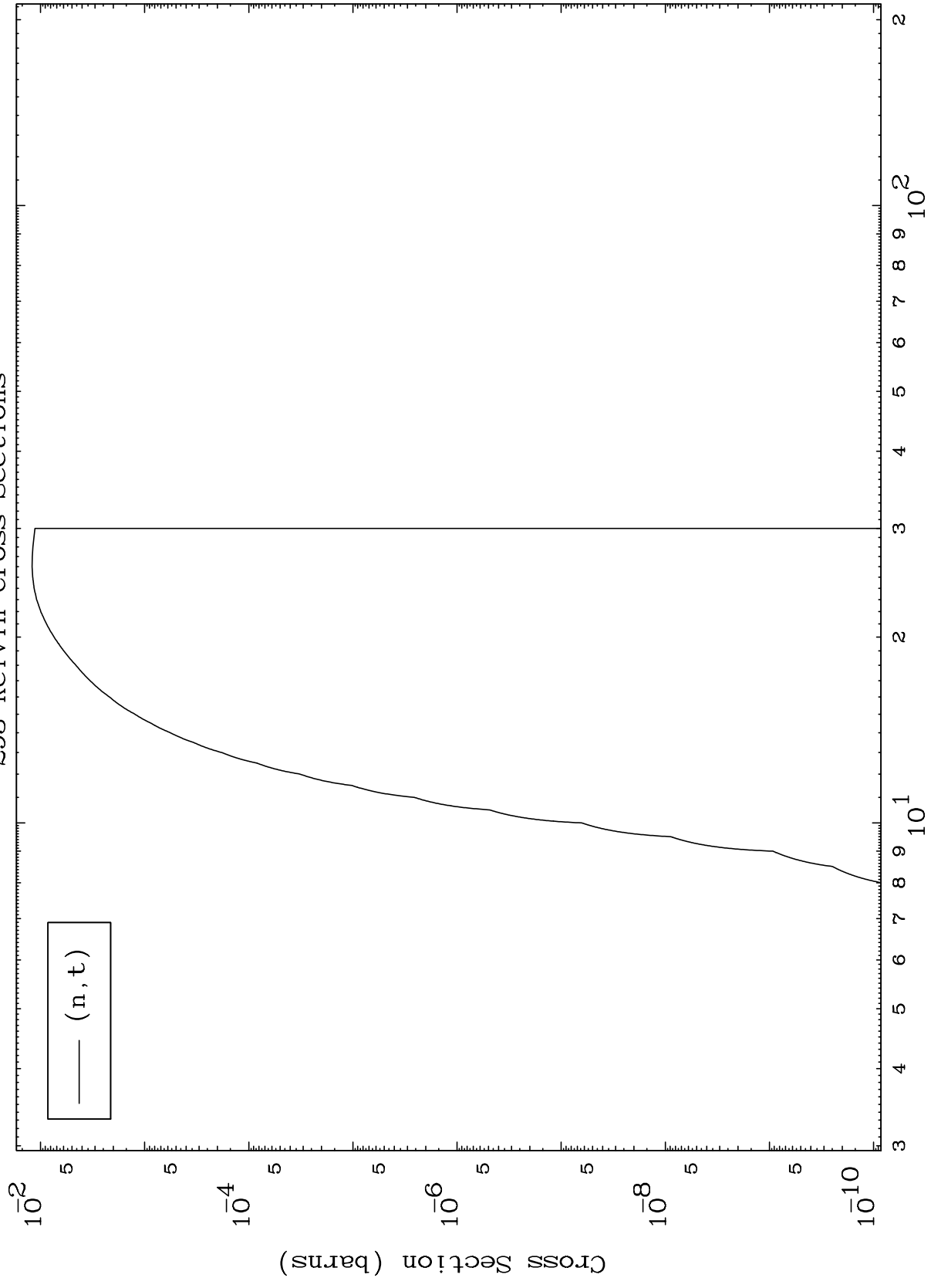
51-Sb-118



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(n,t) Levels
293 Kelvin Cross Sections

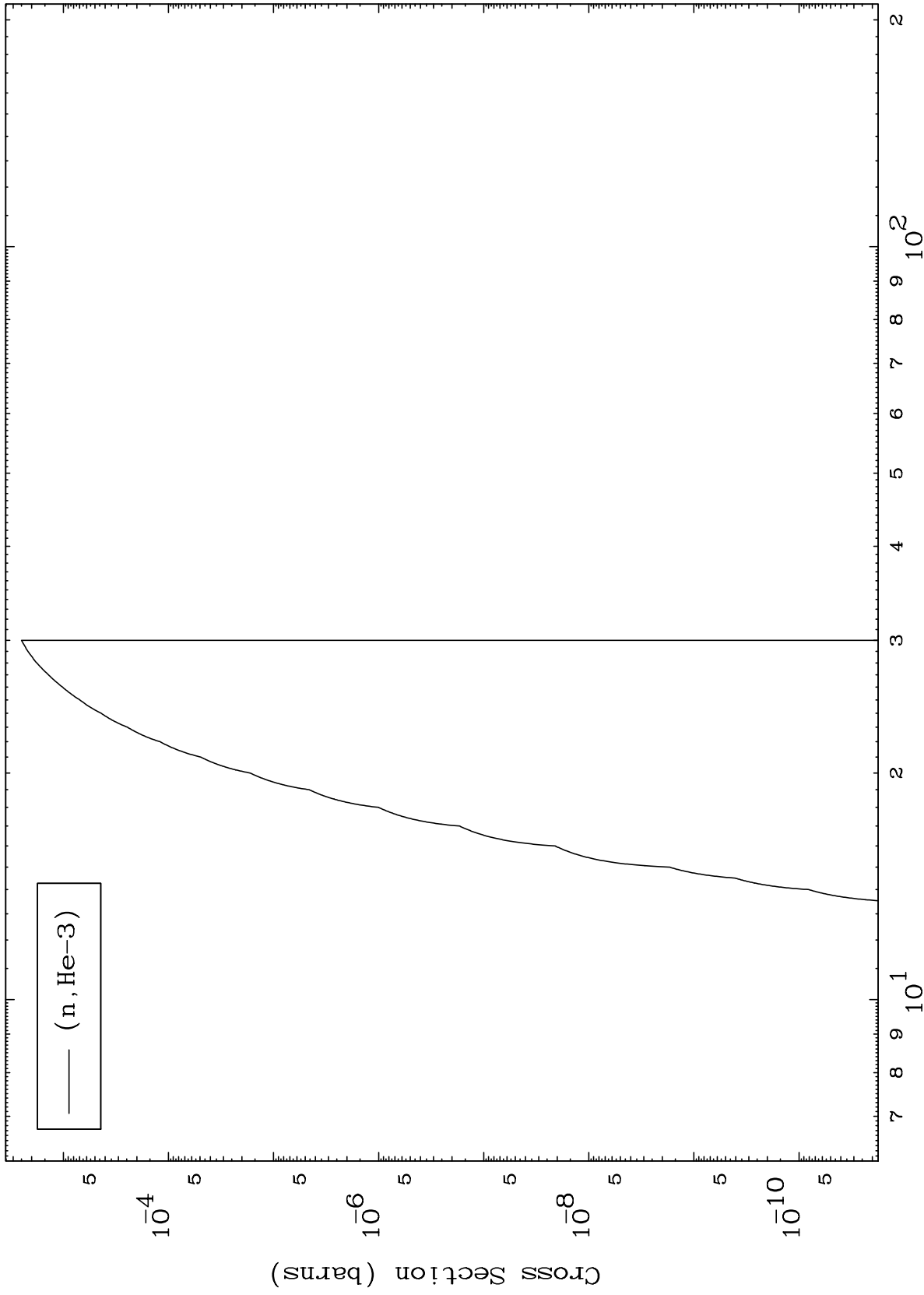
51-Sb-118



12

Incident Energy (MeV)

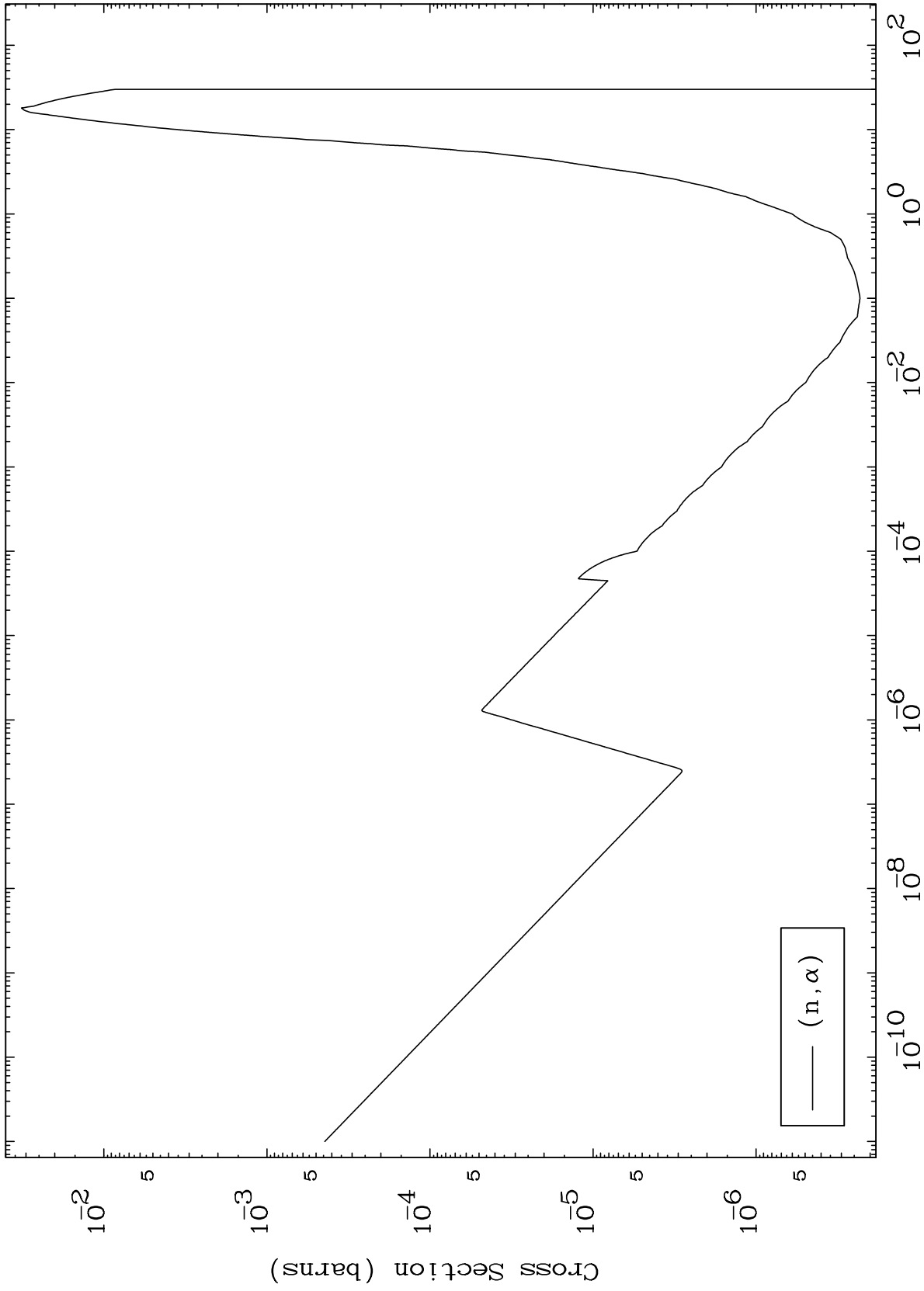
51-Sb-118

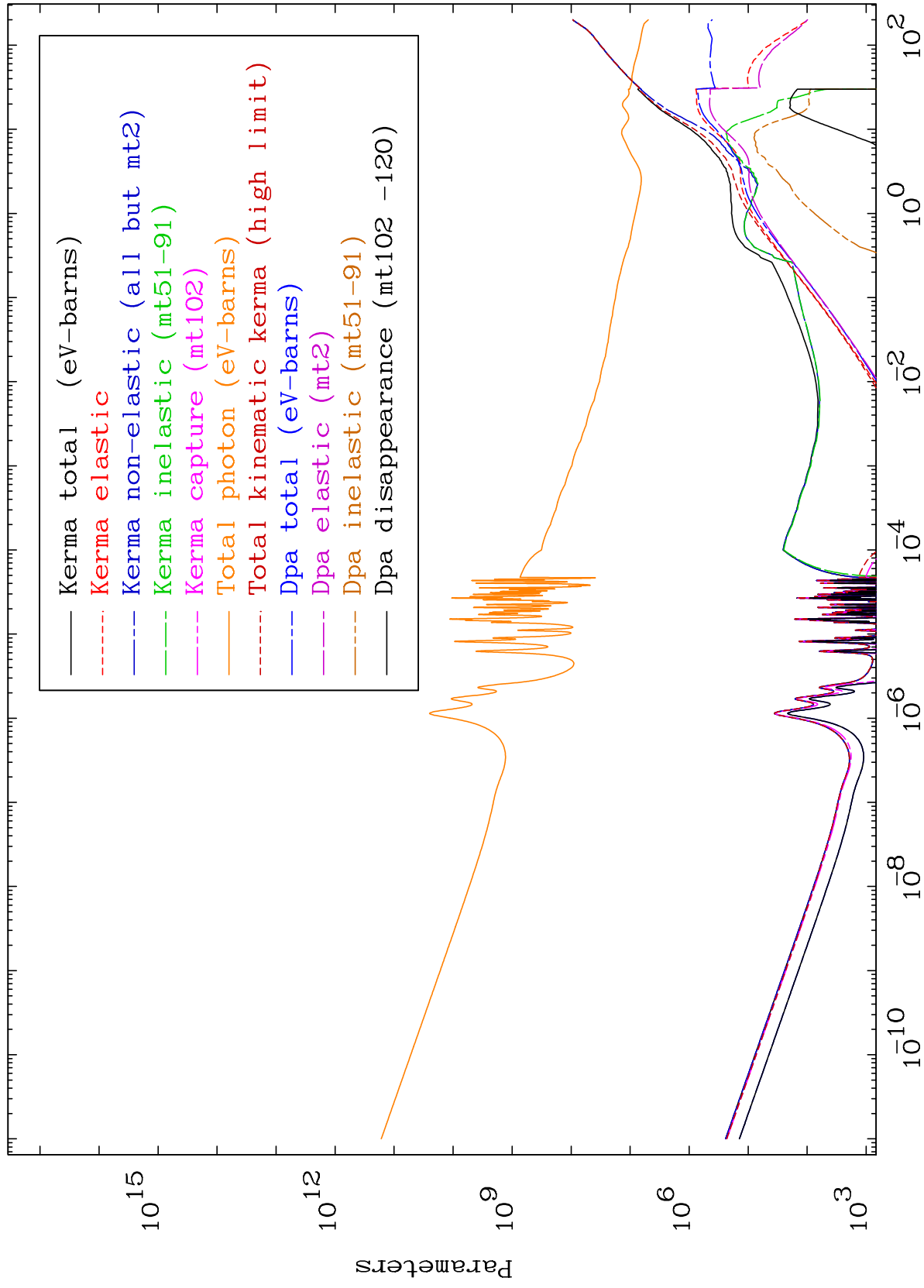


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(n,α) Levels
293 Kelvin Cross Sections

51-Sb-118





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Elastic Legendre Coefficients

51-Sb-118



51-Sb-118

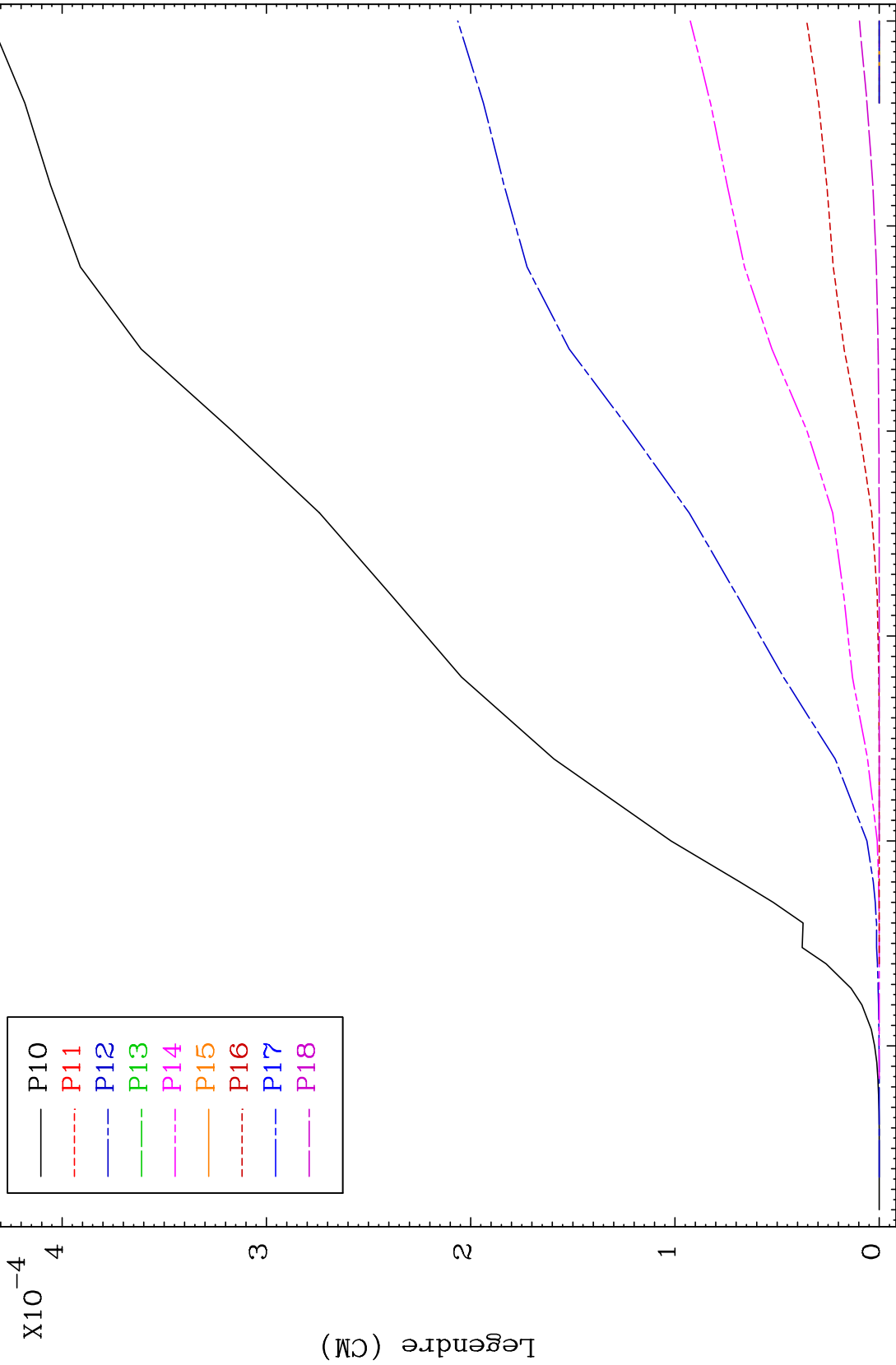
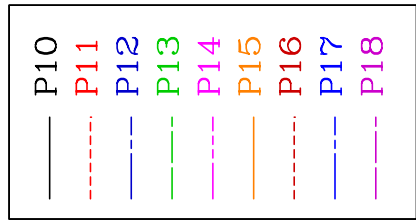
Incident Energy (MeV)

16

MAT 5117

Elastic Legendre Coefficients

51-Sb-118



17

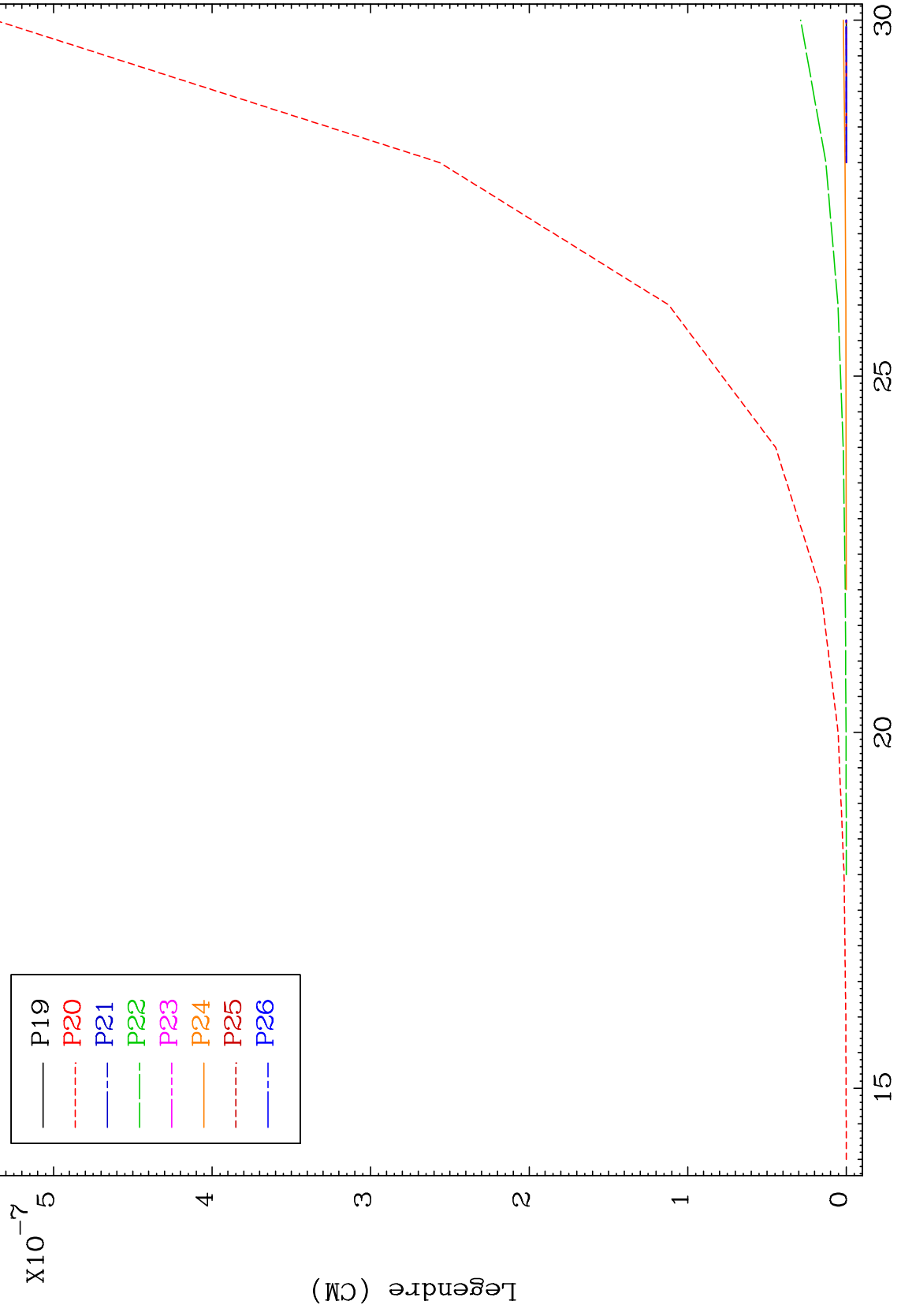
Incident Energy (MeV)

51-Sb-118

MAT 5117

Elastic Legendre Coefficients

51-Sb-118



18

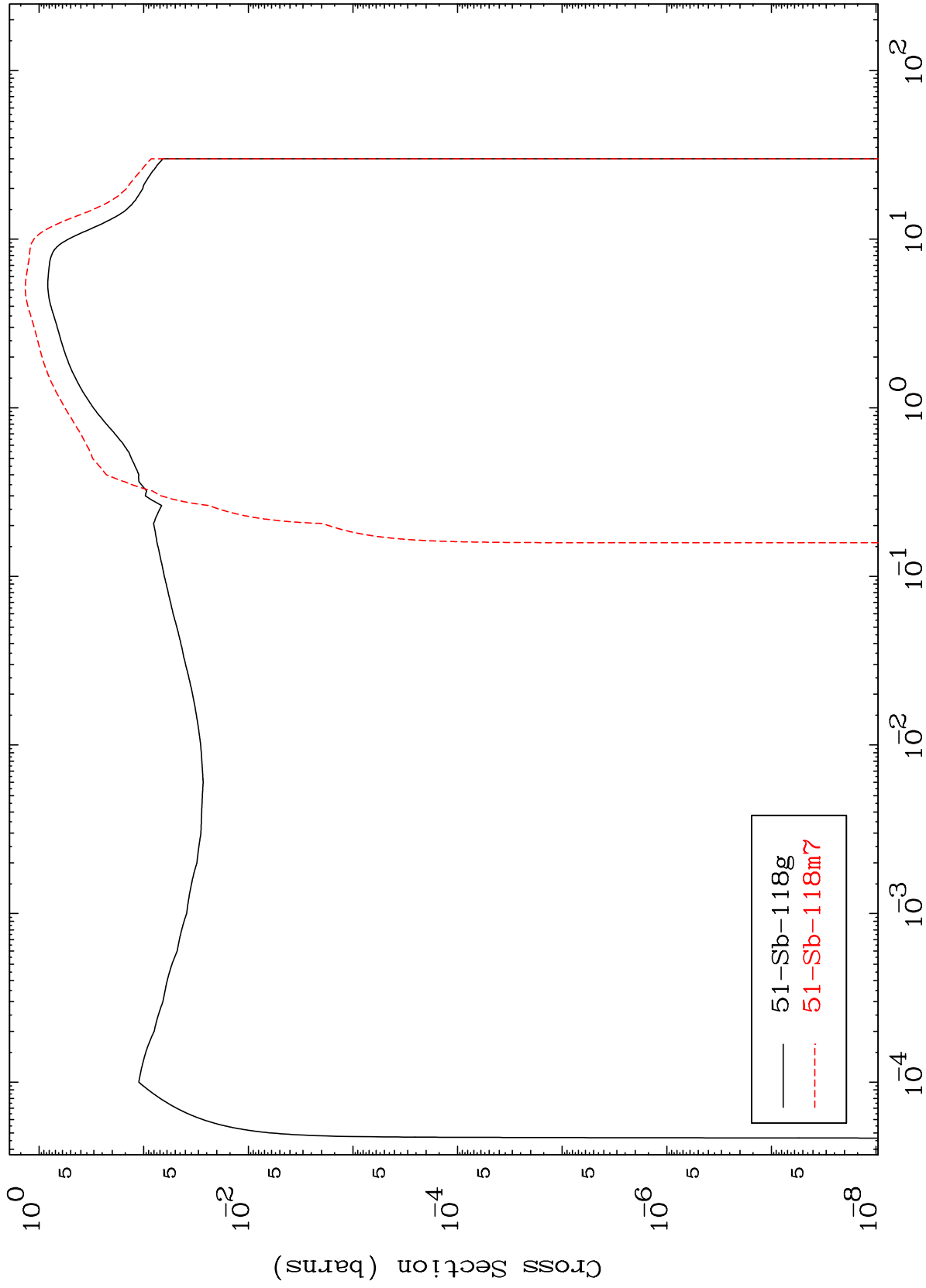
Incident Energy (MeV)

51-Sb-118

MAT 5117

51-Sb-118

Inelastic
Radionuclide Production Cross Section



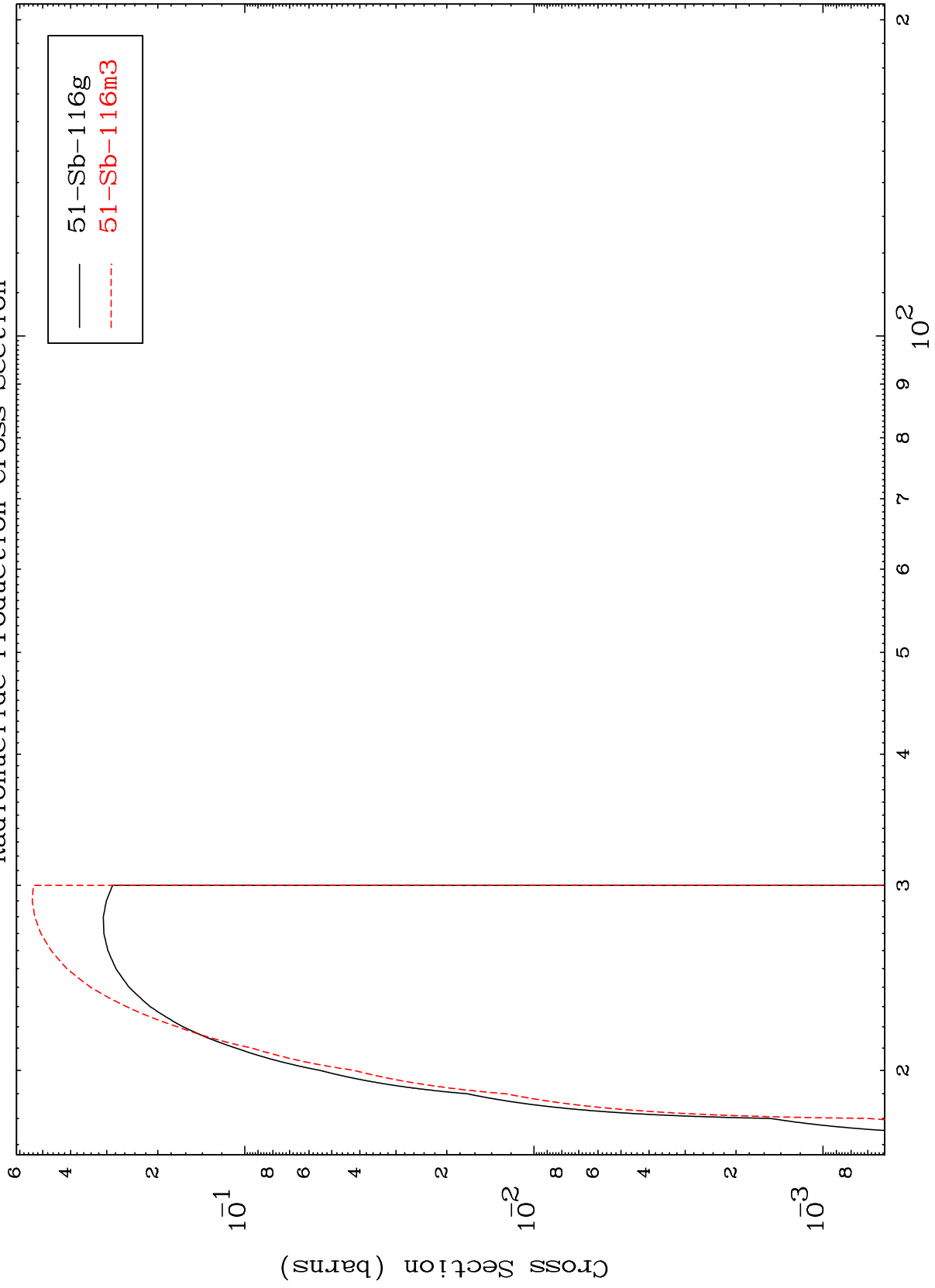
19

51-Sb-118

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51-Sb-118

(n,3n)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

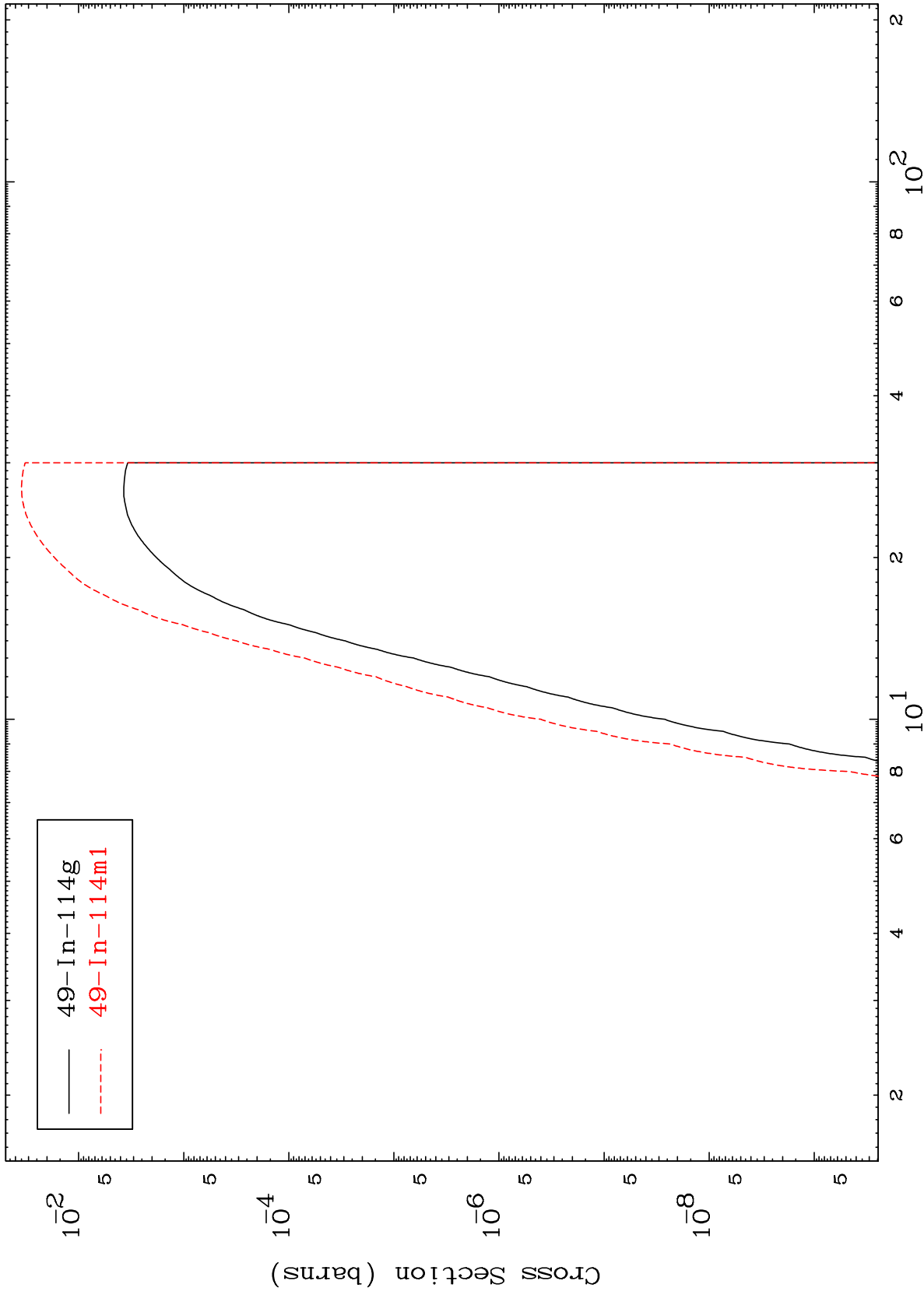
51-Sb-118

MAT 5117

(n,n') α

51-Sb-118

Radionuclide Production Cross Section



21

Incident Energy (MeV)

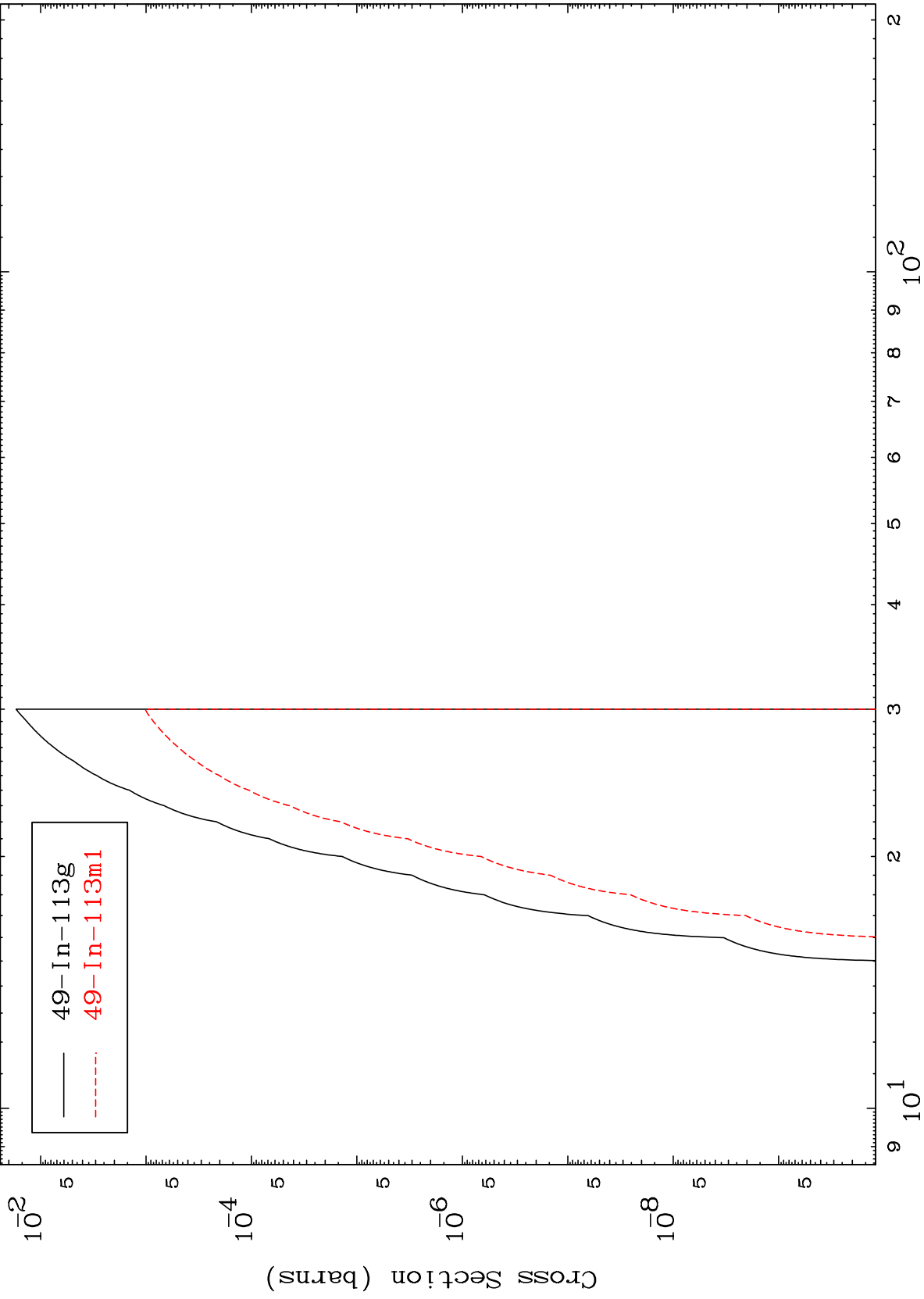
51-Sb-118

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(n,2n) α

51-Sb-118

Radionuclide Production Cross Section



22

Incident Energy (MeV)

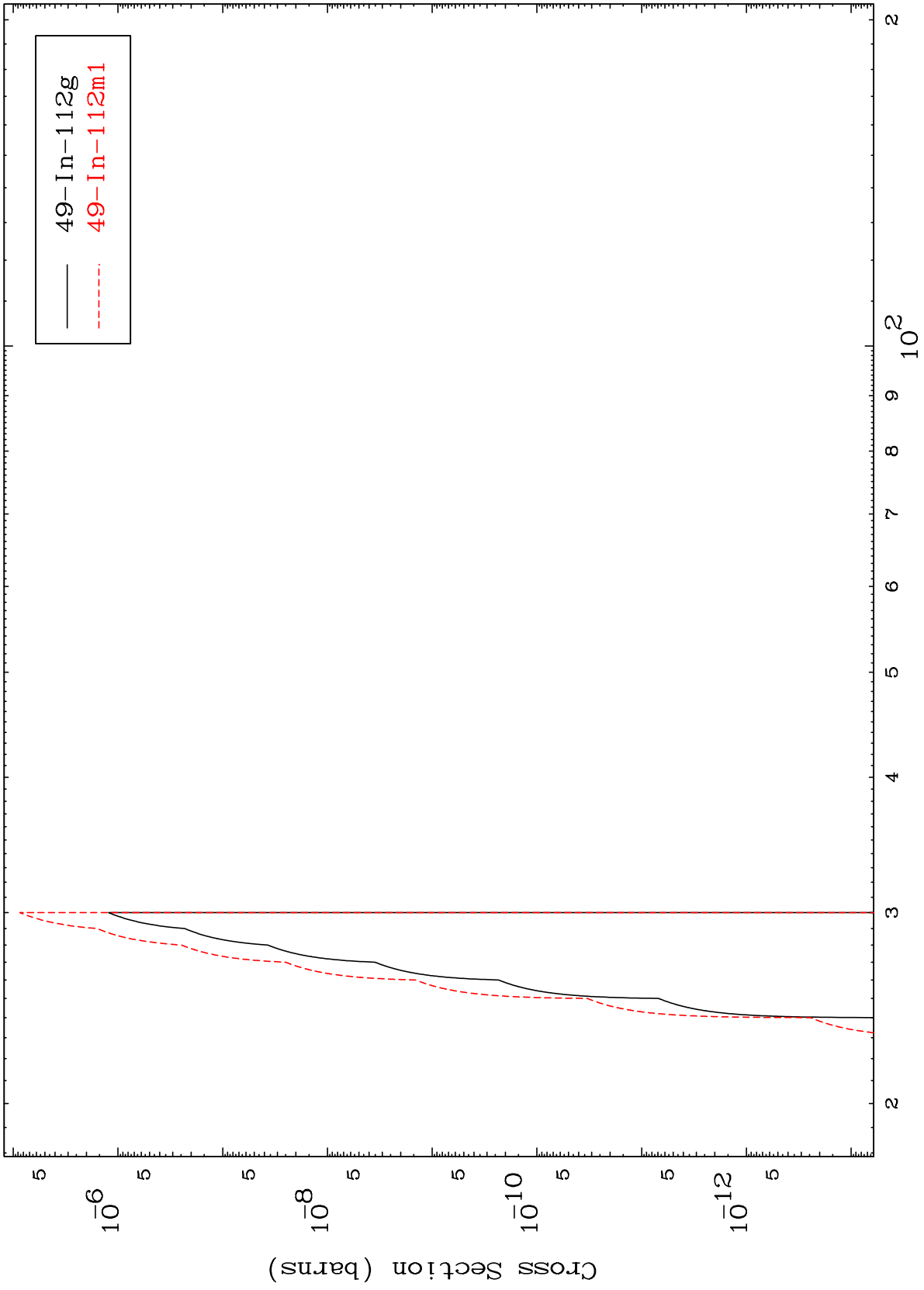
51-Sb-118

MAT 5117

(n,3n) α

51-Sb-118

Radionuclide Production Cross Section



23

Incident Energy (MeV)

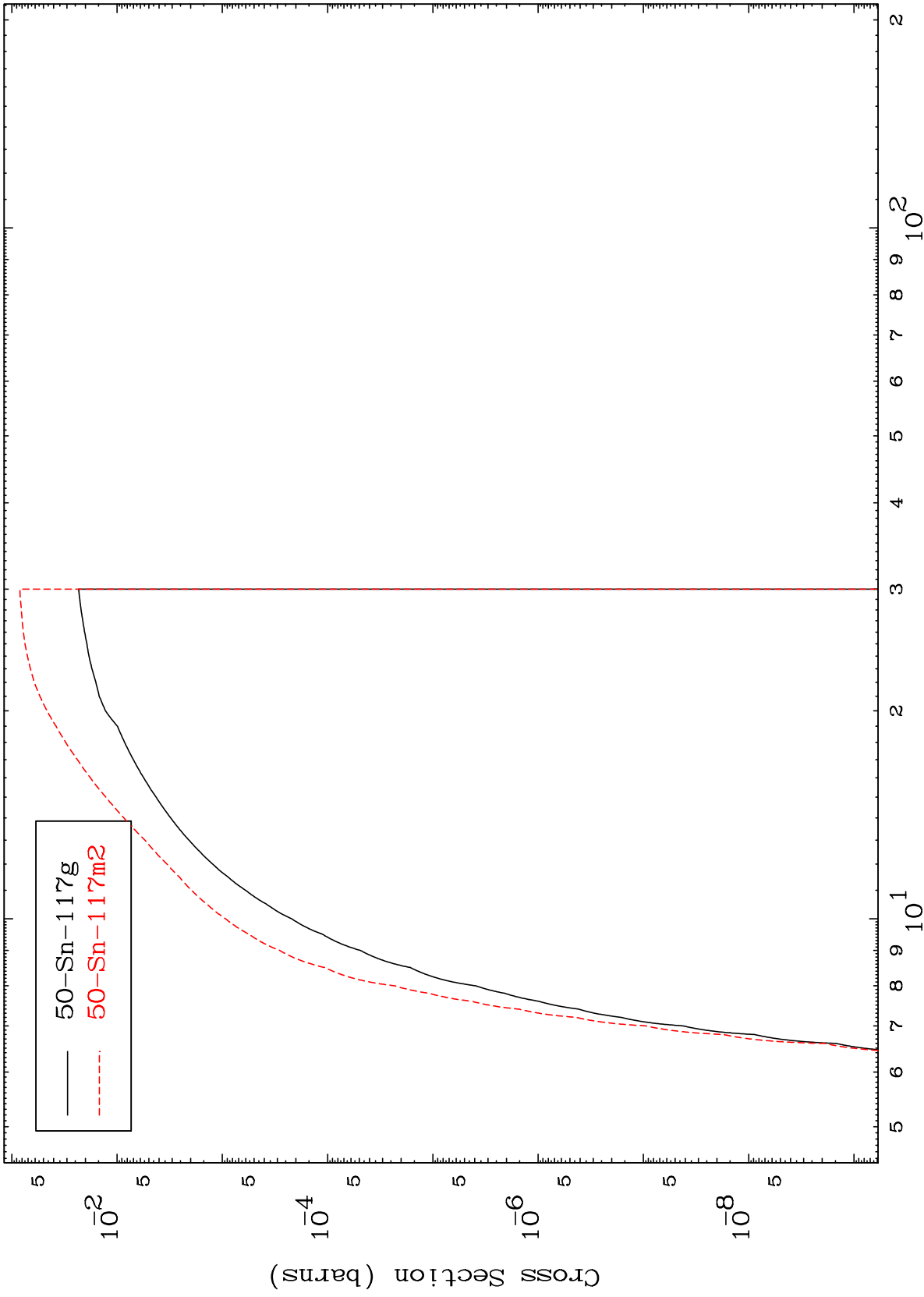
51-Sb-118

MAT 5117

(n,n') p

51-Sb-118

Radionuclide Production Cross Section



24

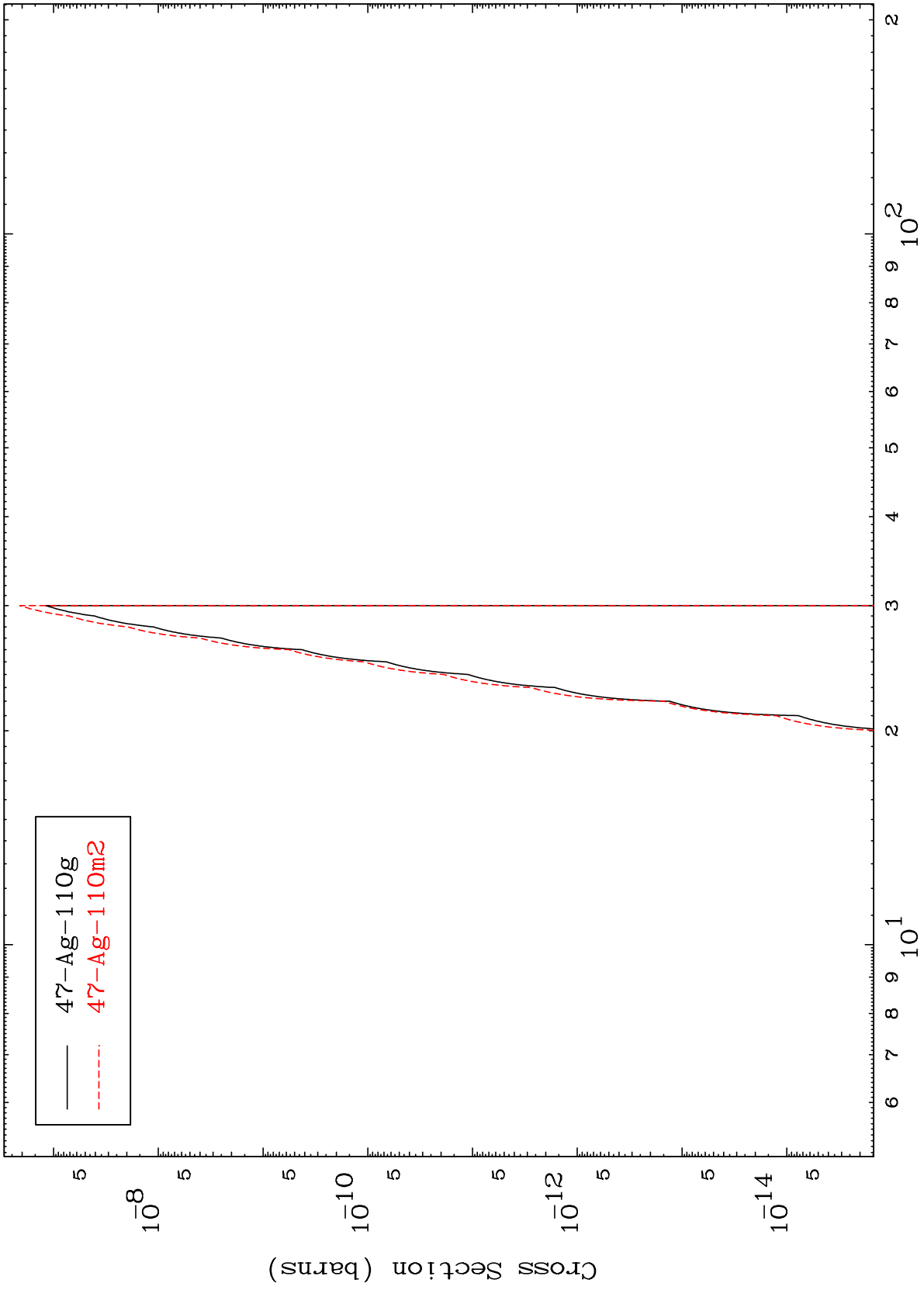
Incident Energy (MeV)

51-Sb-118

MAT 5117

51-Sb-118

(n,n') 2α
Radionuclide Production Cross Section



25

Incident Energy (MeV)

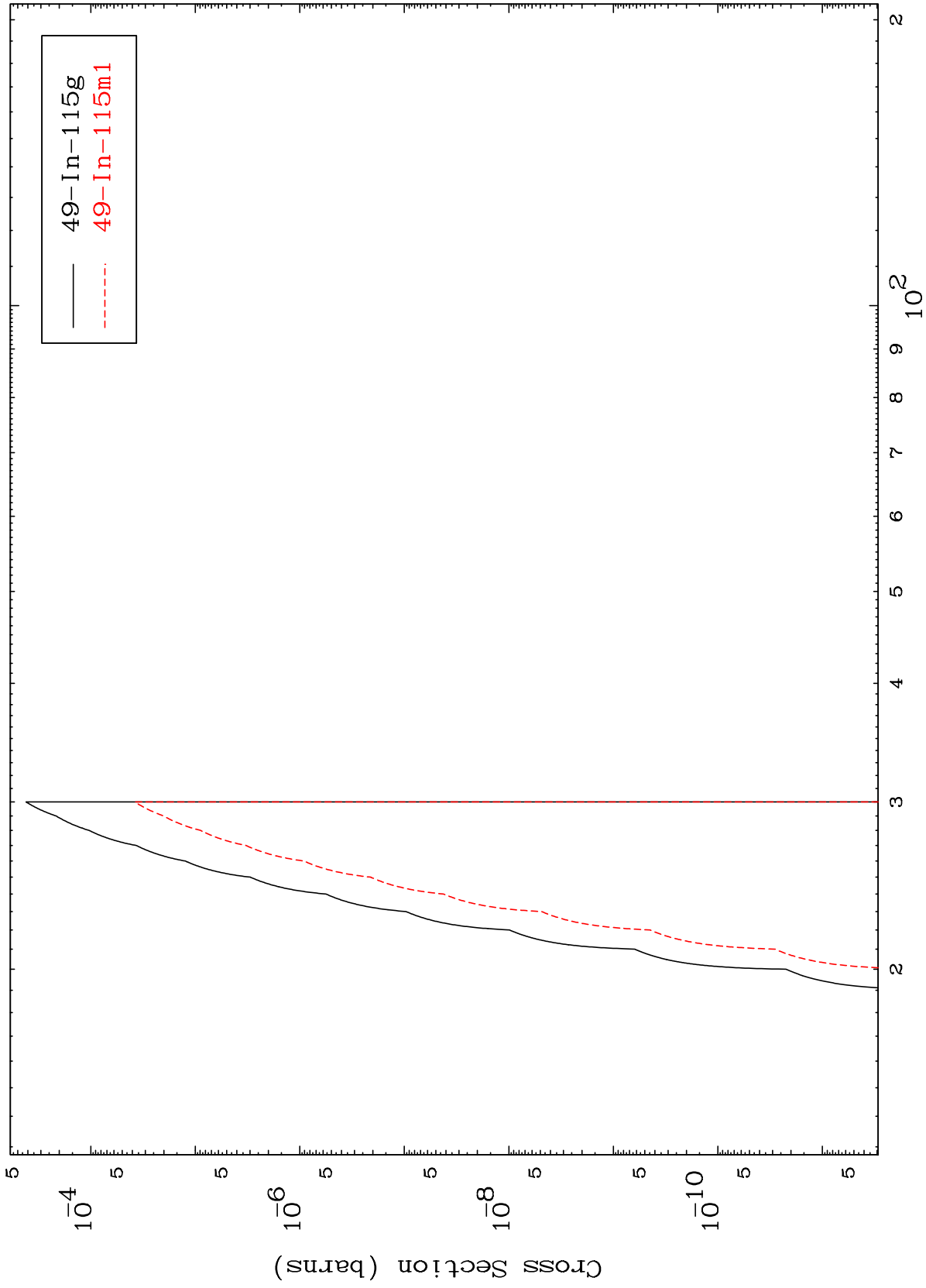
51-Sb-118

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(n, n') He-3

51-Sb-118

Radionuclide Production Cross Section



26

Incident Energy (MeV)

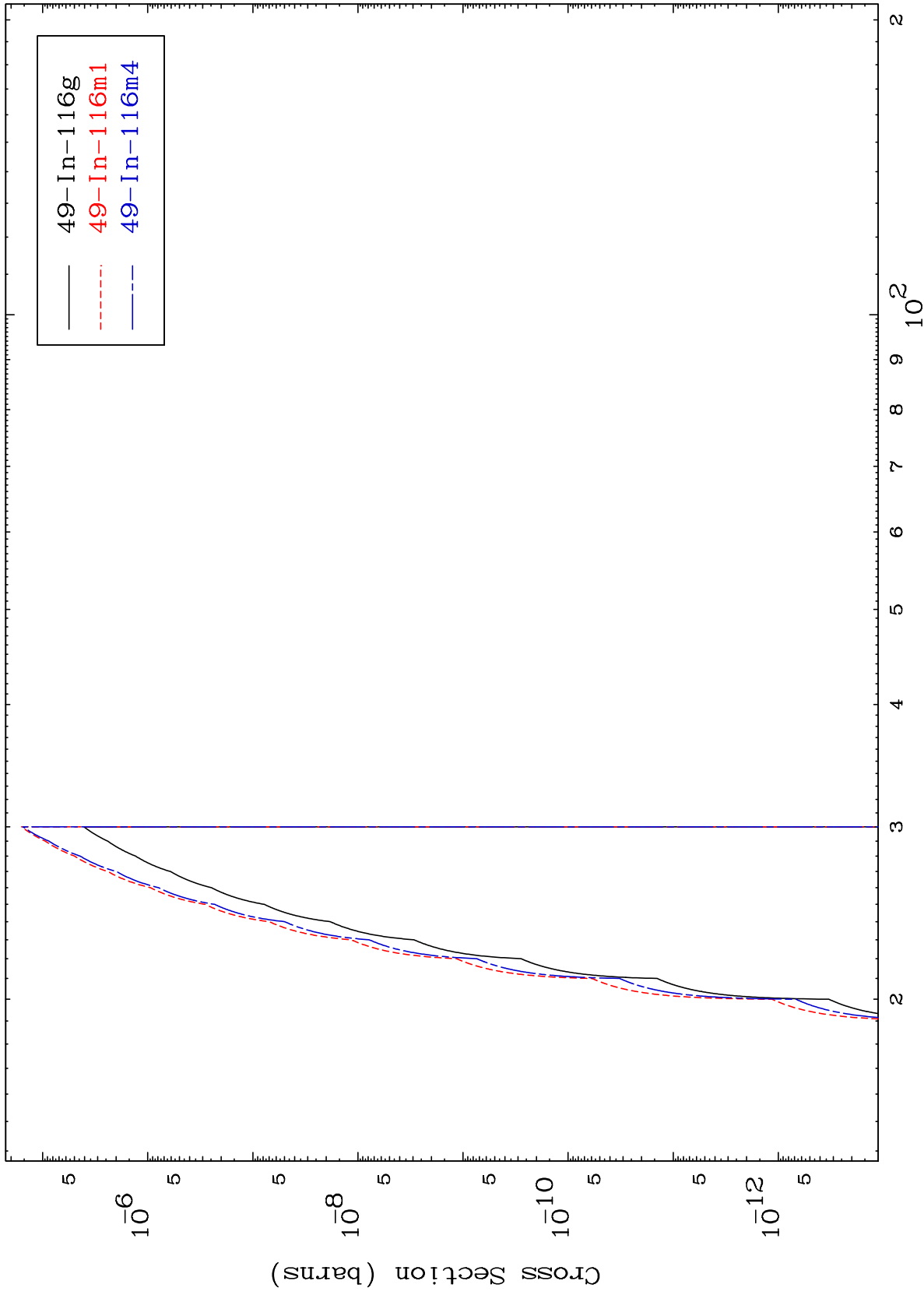
51-Sb-118

MAT 5117

(n,2n) p

51-Sb-118

Radionuclide Production Cross Section



27

Incident Energy (MeV)

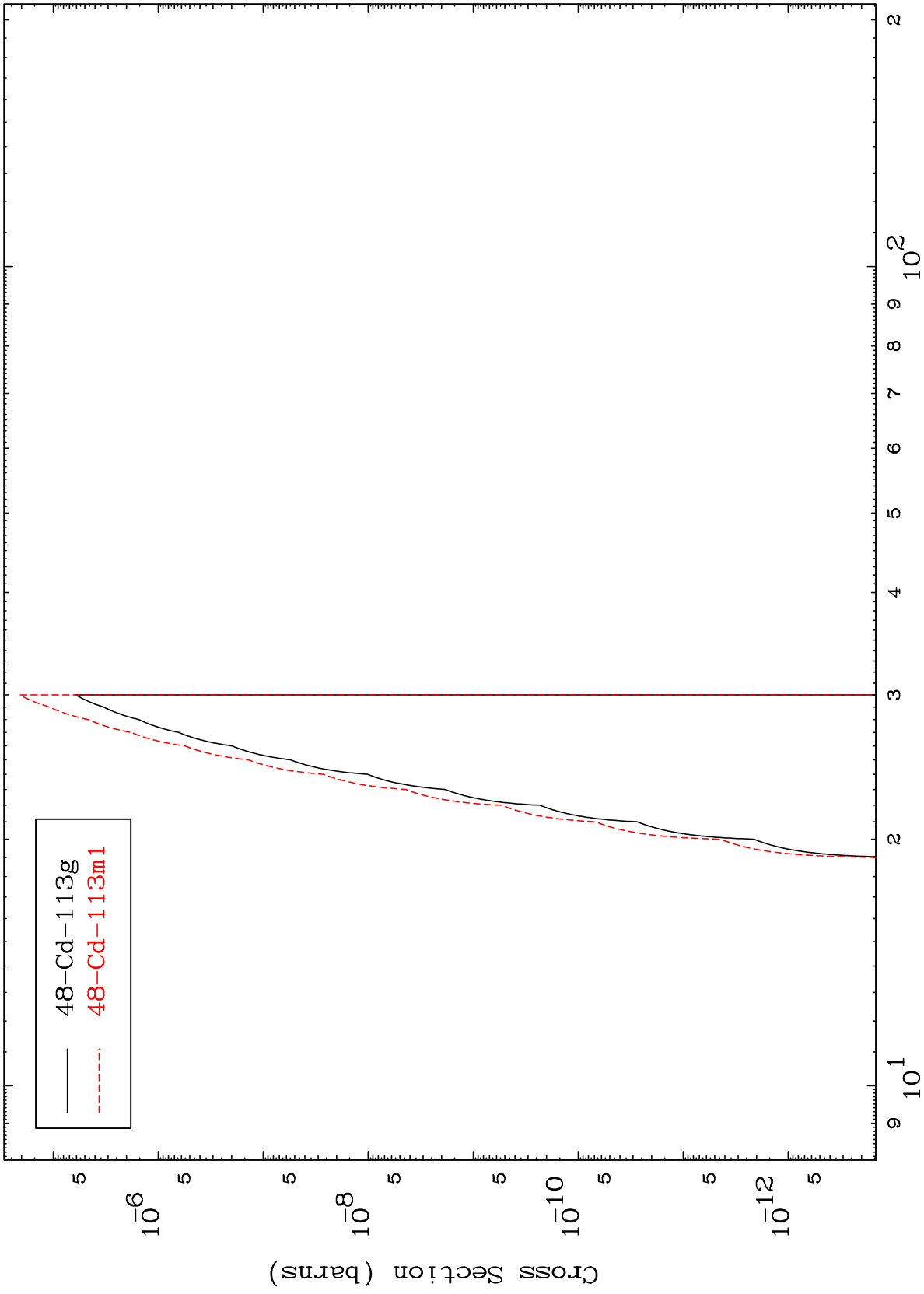
51-Sb-118

MAT 5117

(n,n') p α

51-Sb-118

Radionuclide Production Cross Section

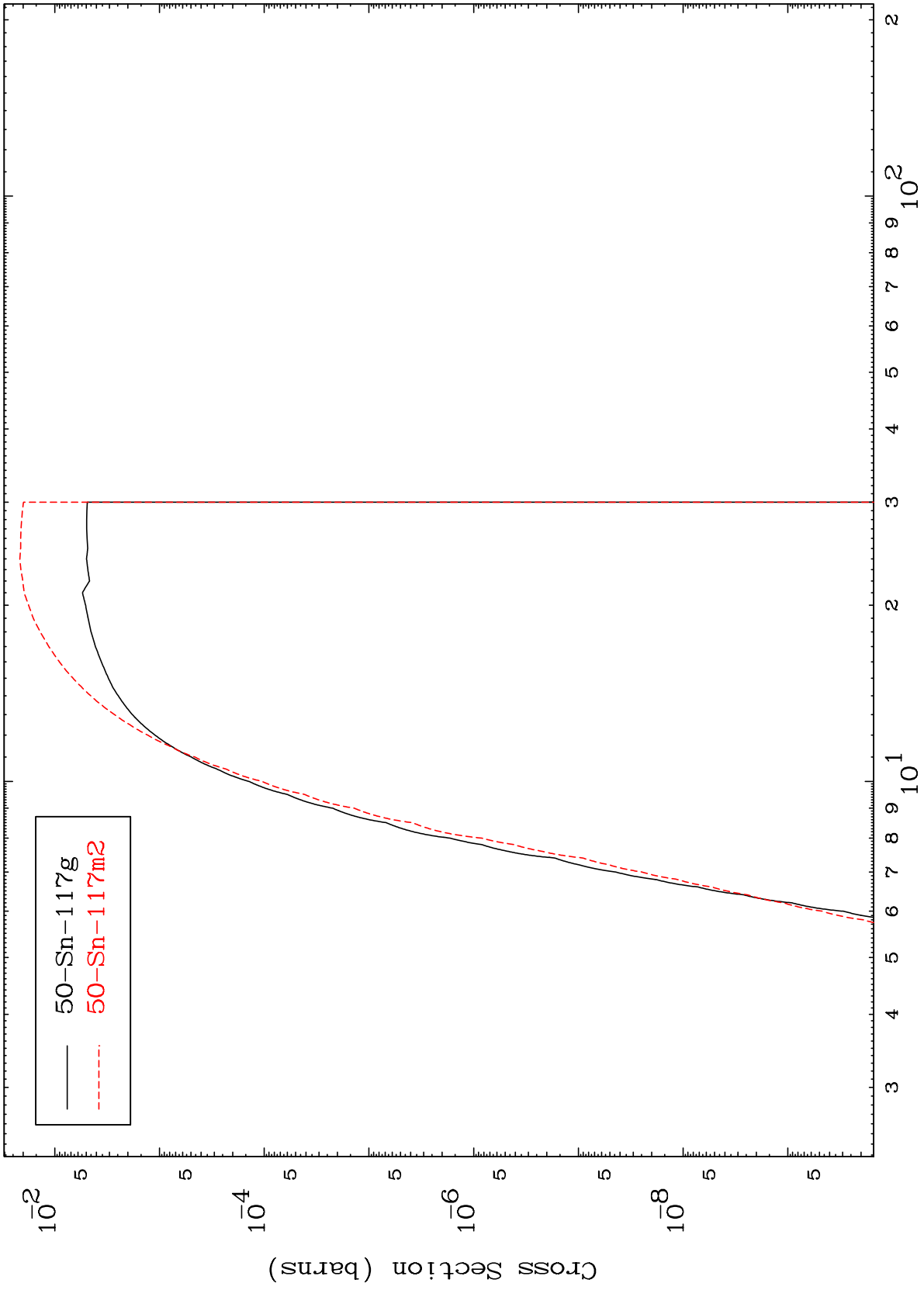


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51-Sb-118

(n,d)
Radionuclide Production Cross Section



29

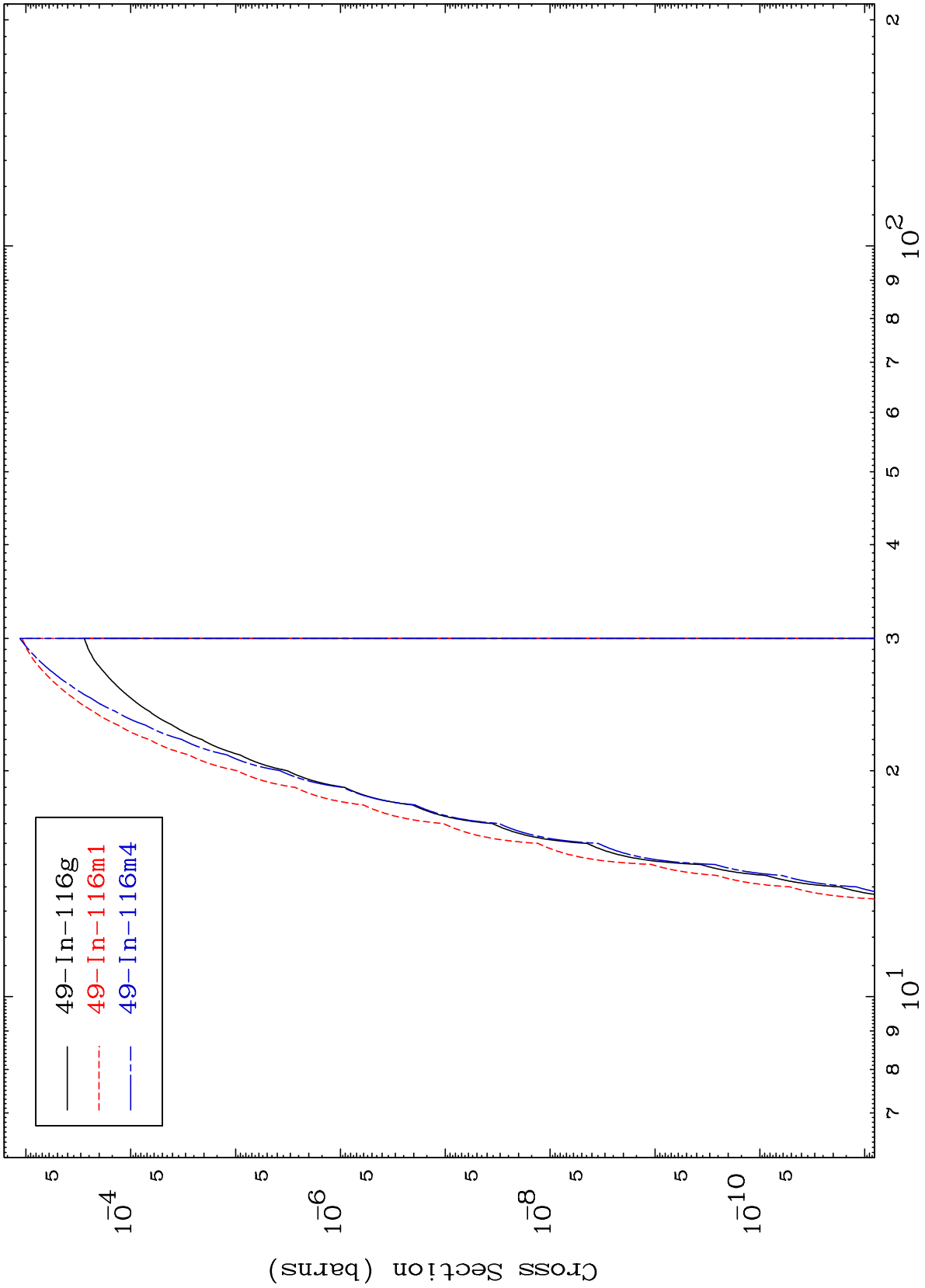
51-Sb-118

MAT 5117

(n,He-3)

51-Sb-118

Radionuclide Production Cross Section



30

Incident Energy (MeV)

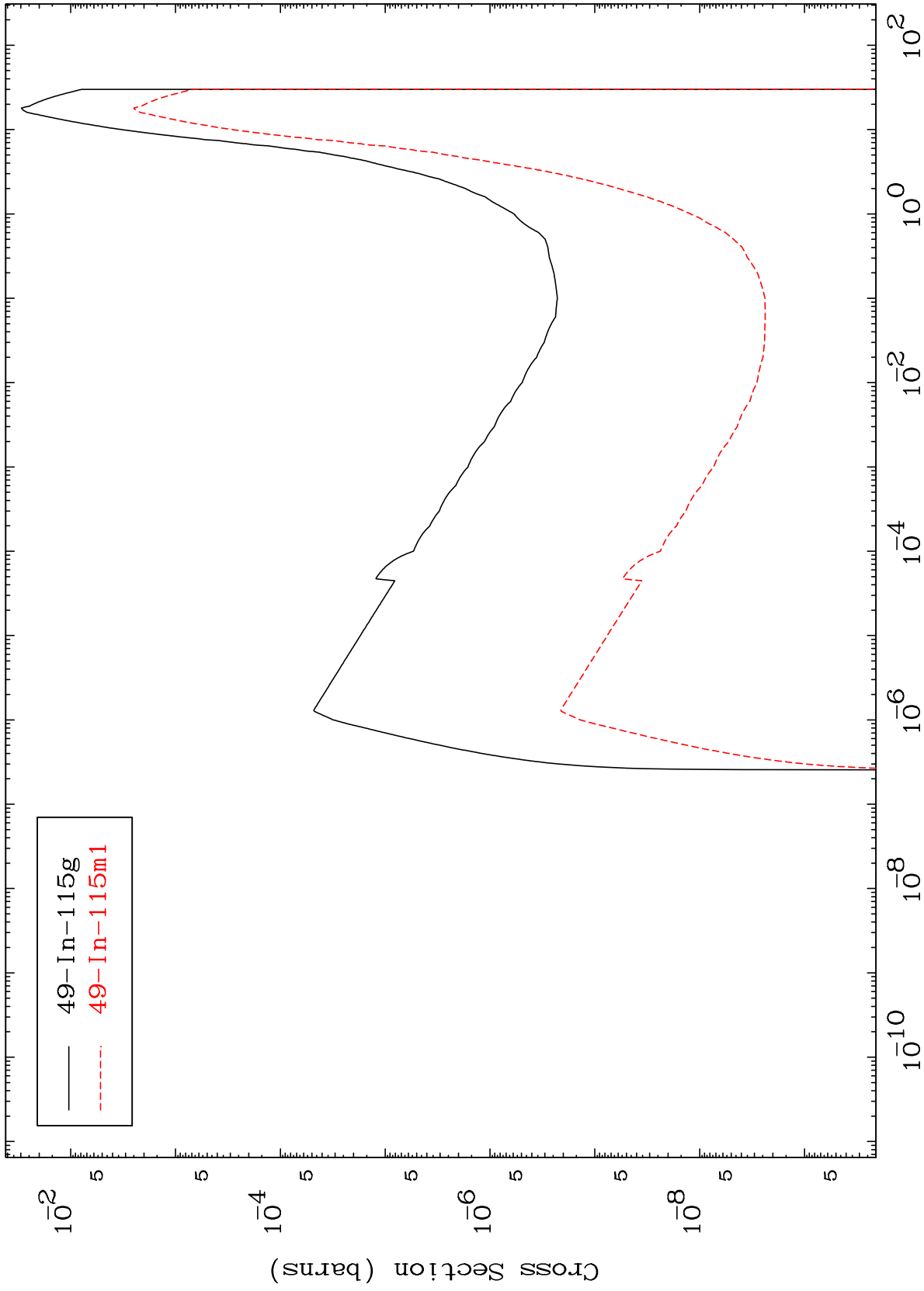
51-Sb-118

MAT 5117

(n,α)

51-Sb-118

Radionuclide Production Cross Section



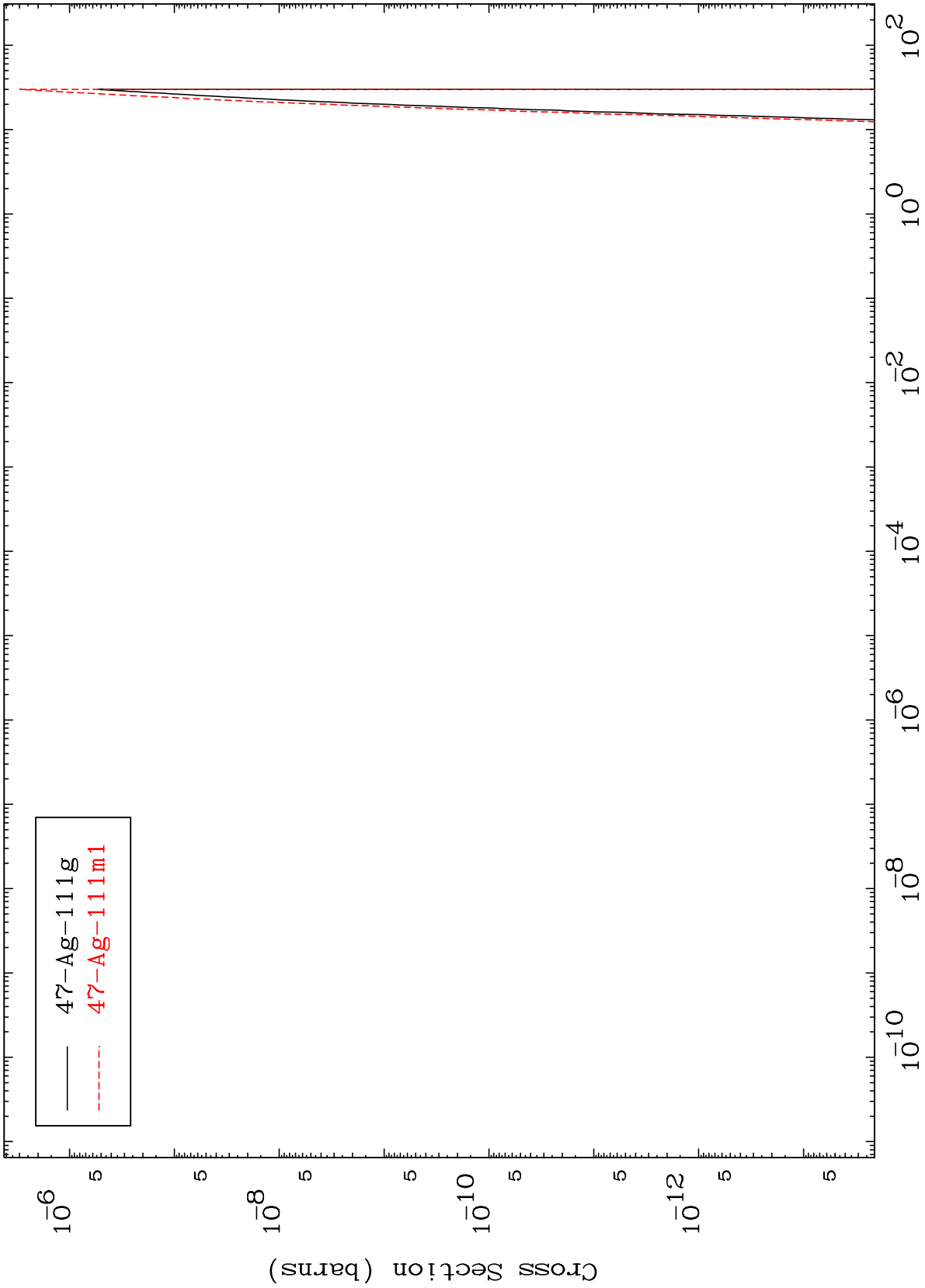
— 49-In-115g
- - - 49-In-115m1

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(n,2α)

51-Sb-118

Radionuclide Production Cross Section



32

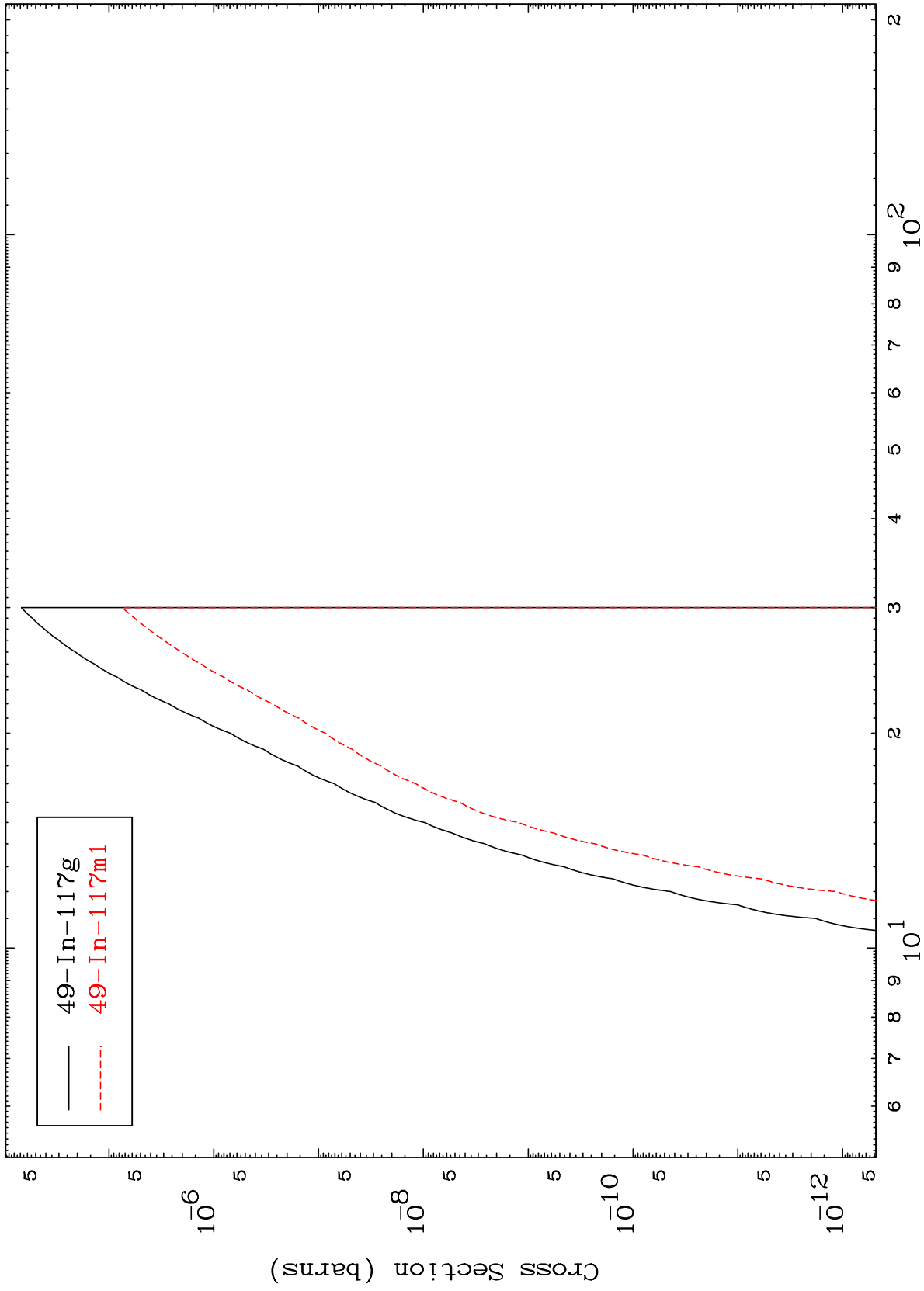
Incident Energy (MeV)

51-Sb-118

MAT 5117

51-Sb-118

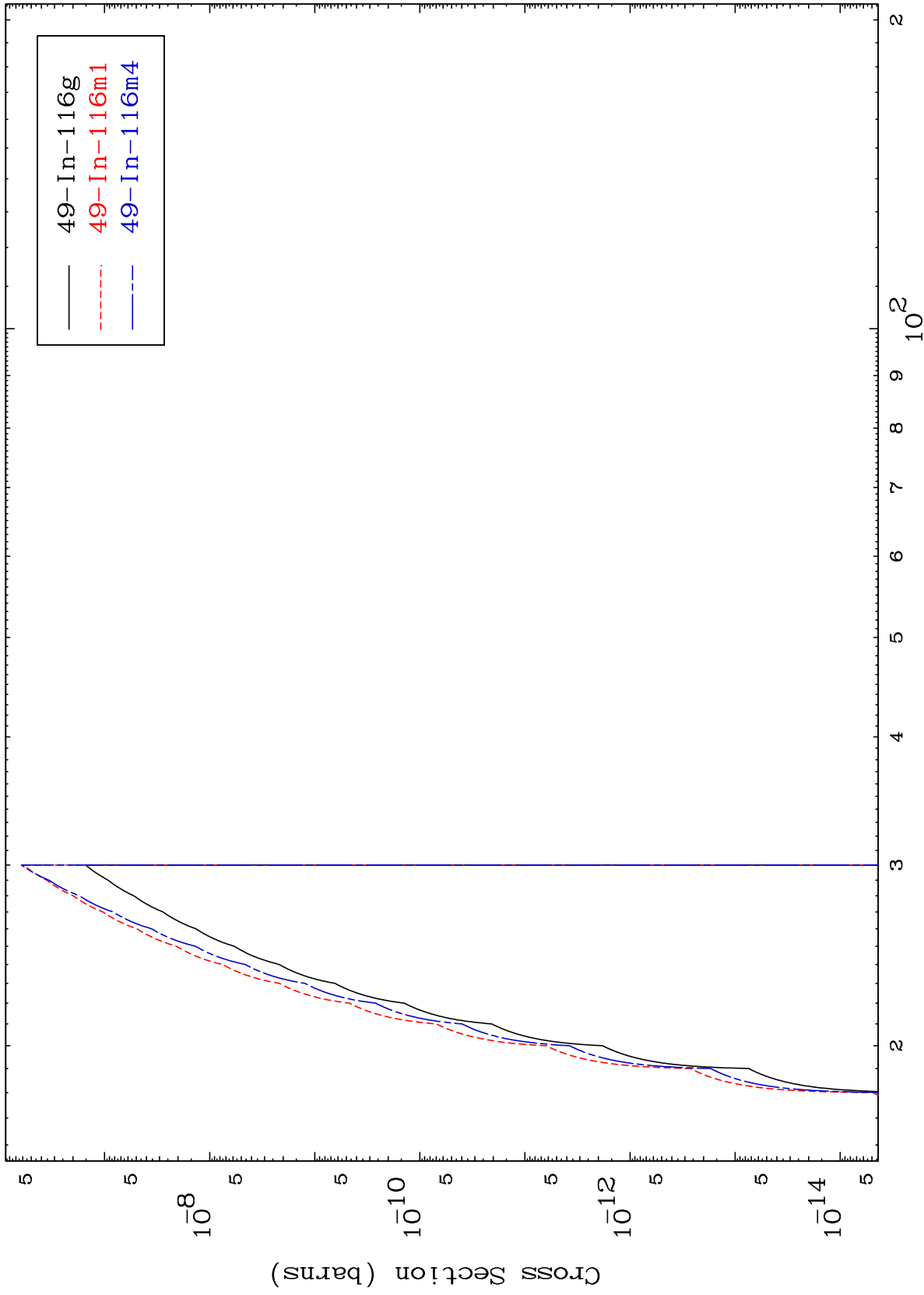
Radionuclide Production Cross Section (n,2p)



33

51-Sb-118

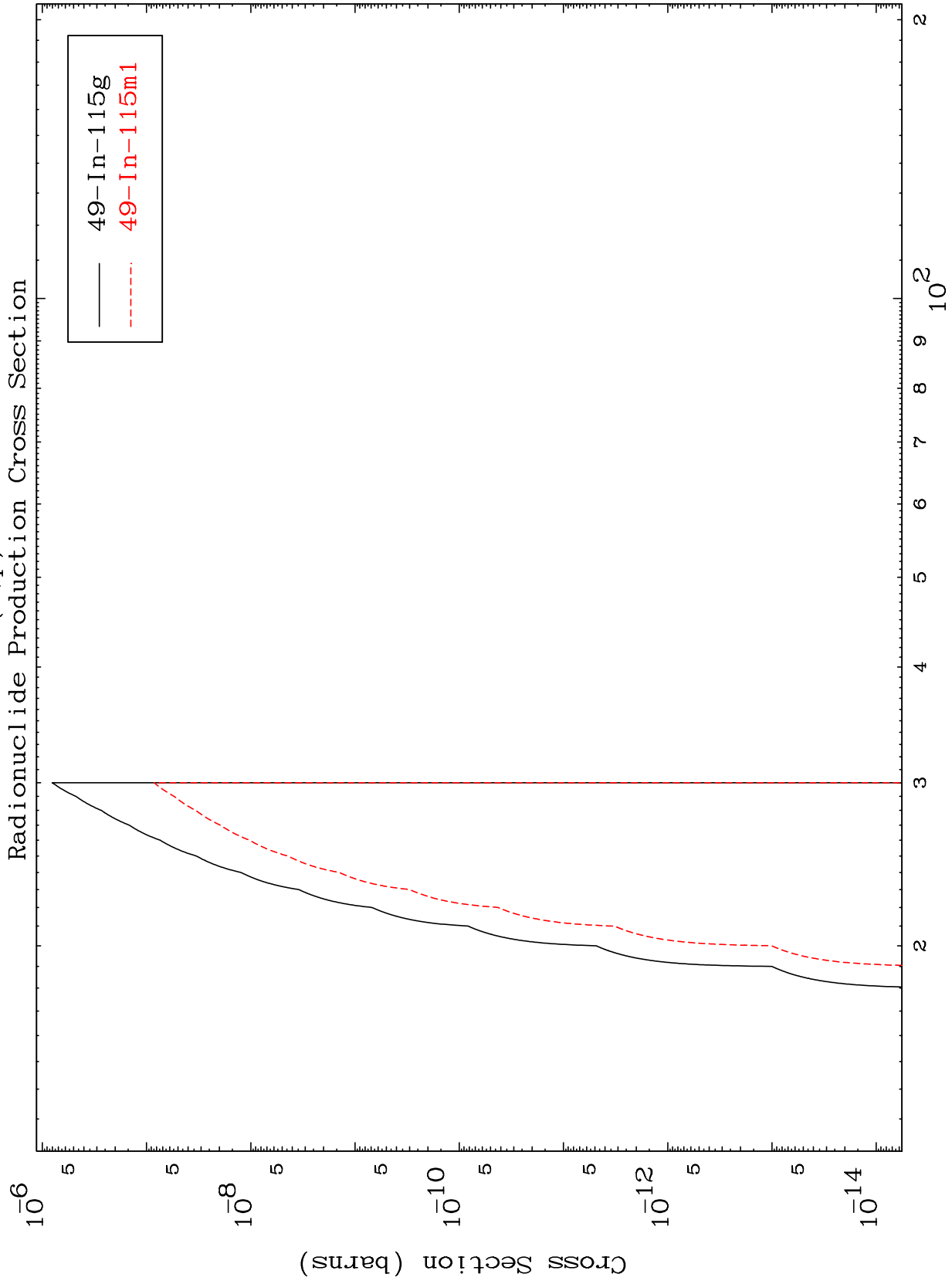
Radionuclide Production Cross Section



MAT 5117

(n,p) t

51-Sb-118



35

51-Sb-118

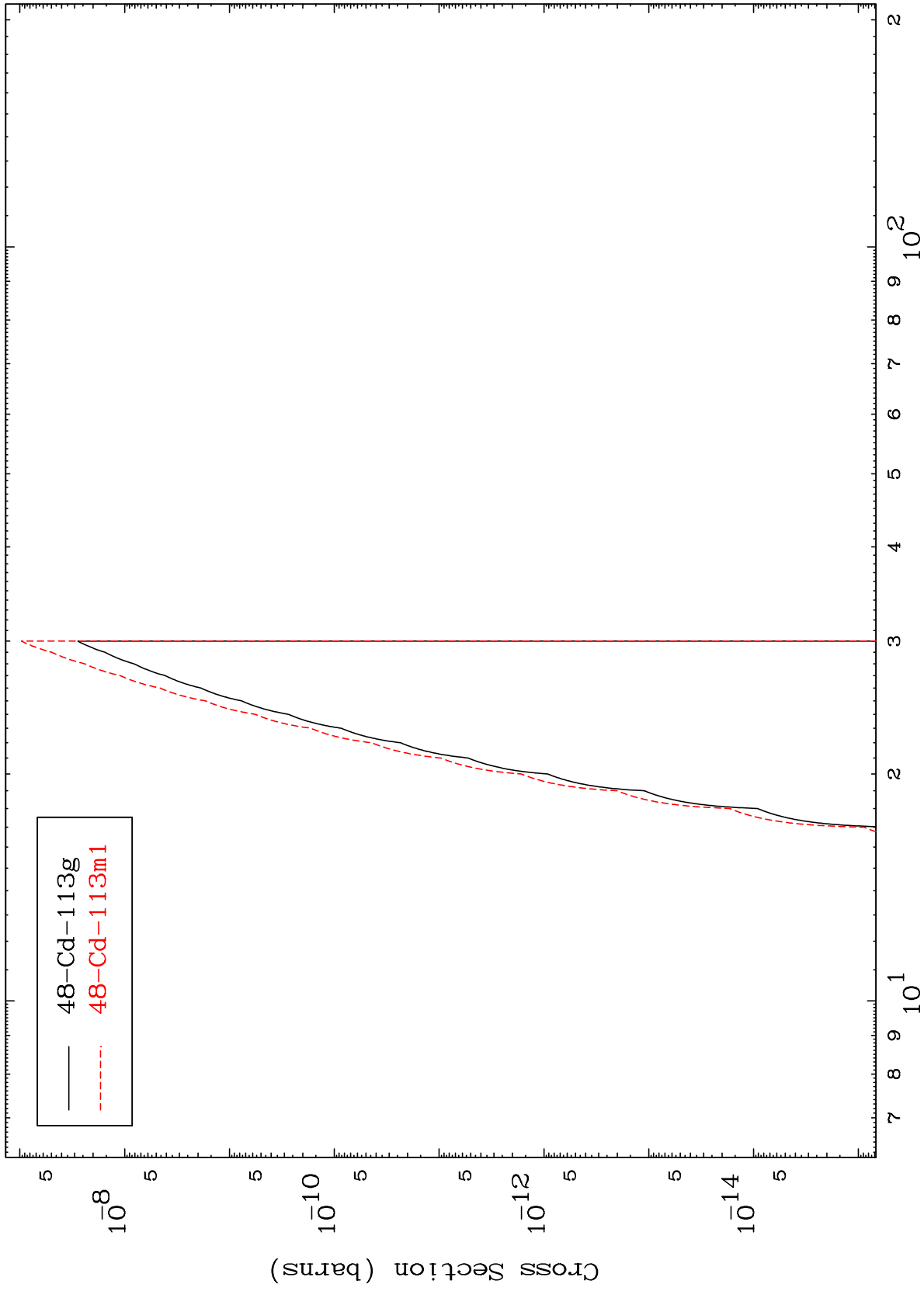
51-Sb-118

MAT 5117

(n,d) α

51-Sb-118

Radionuclide Production Cross Section



36

Incident Energy (MeV)

51-Sb-118