

Program EVALPLOT
(Version 2018-1)

by

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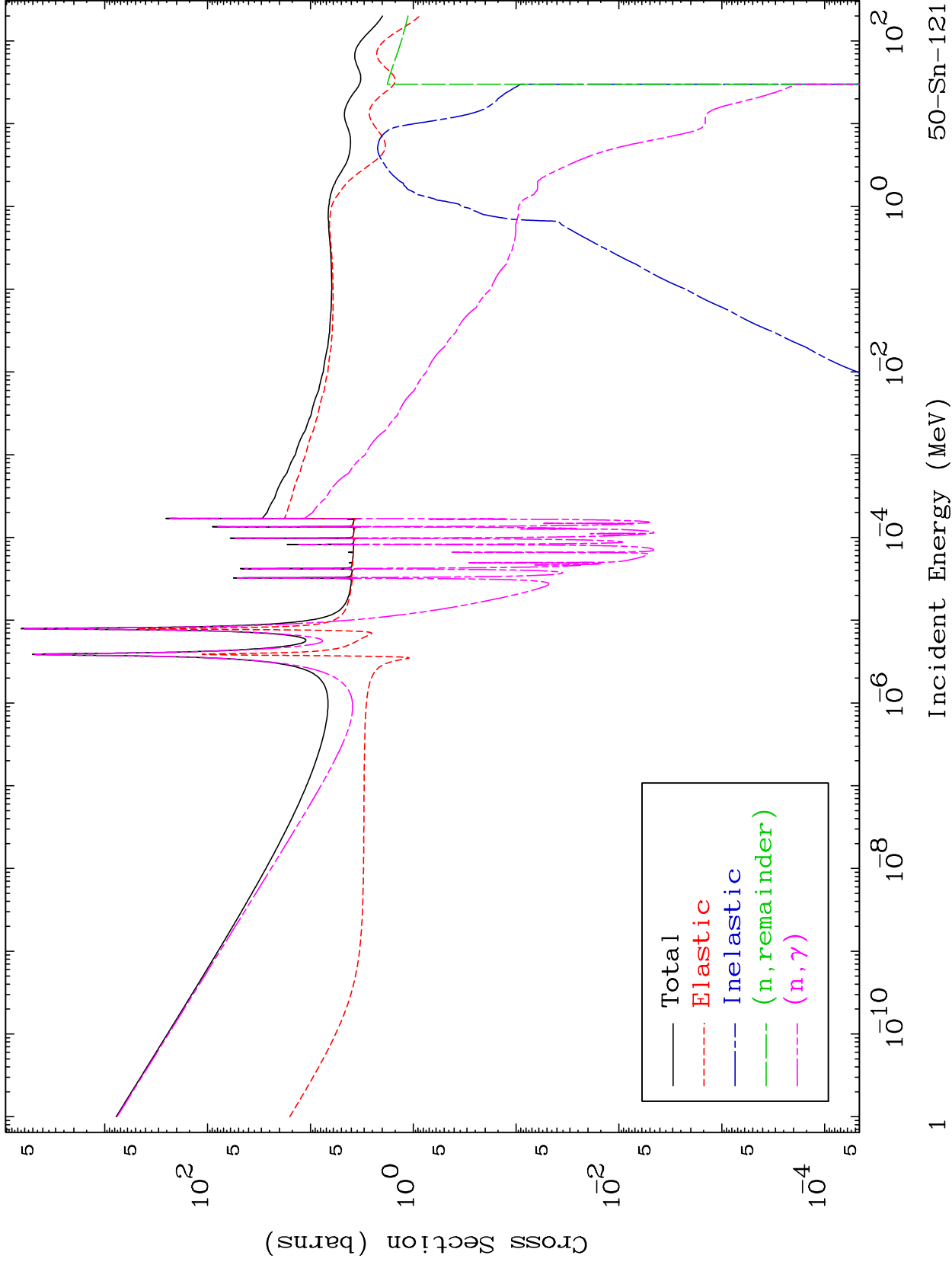
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5053

Major
293 Kelvin Cross Sections

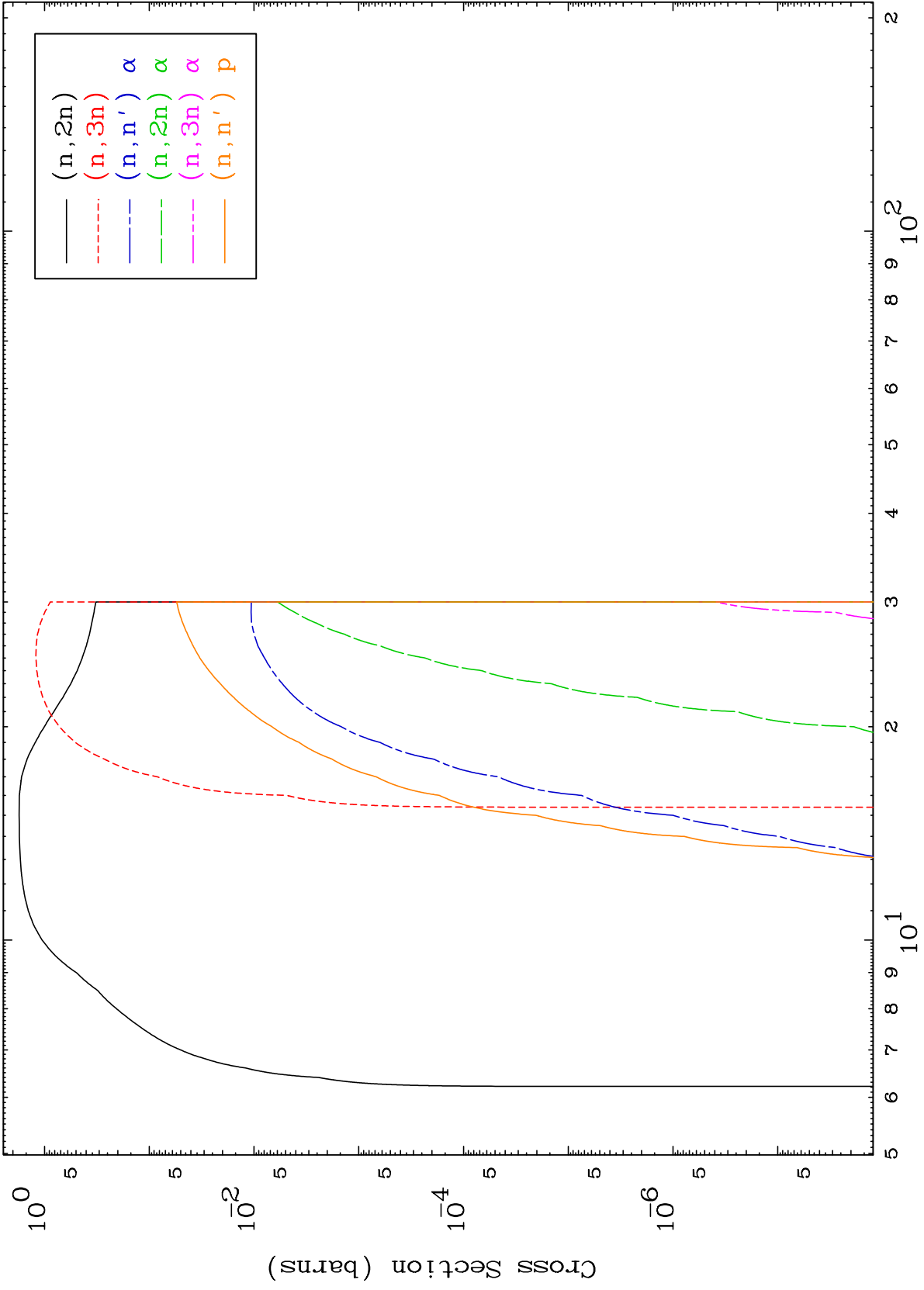
50-Sn-121



MAT 5053

Neutron Production
293 Kelvin Cross Sections

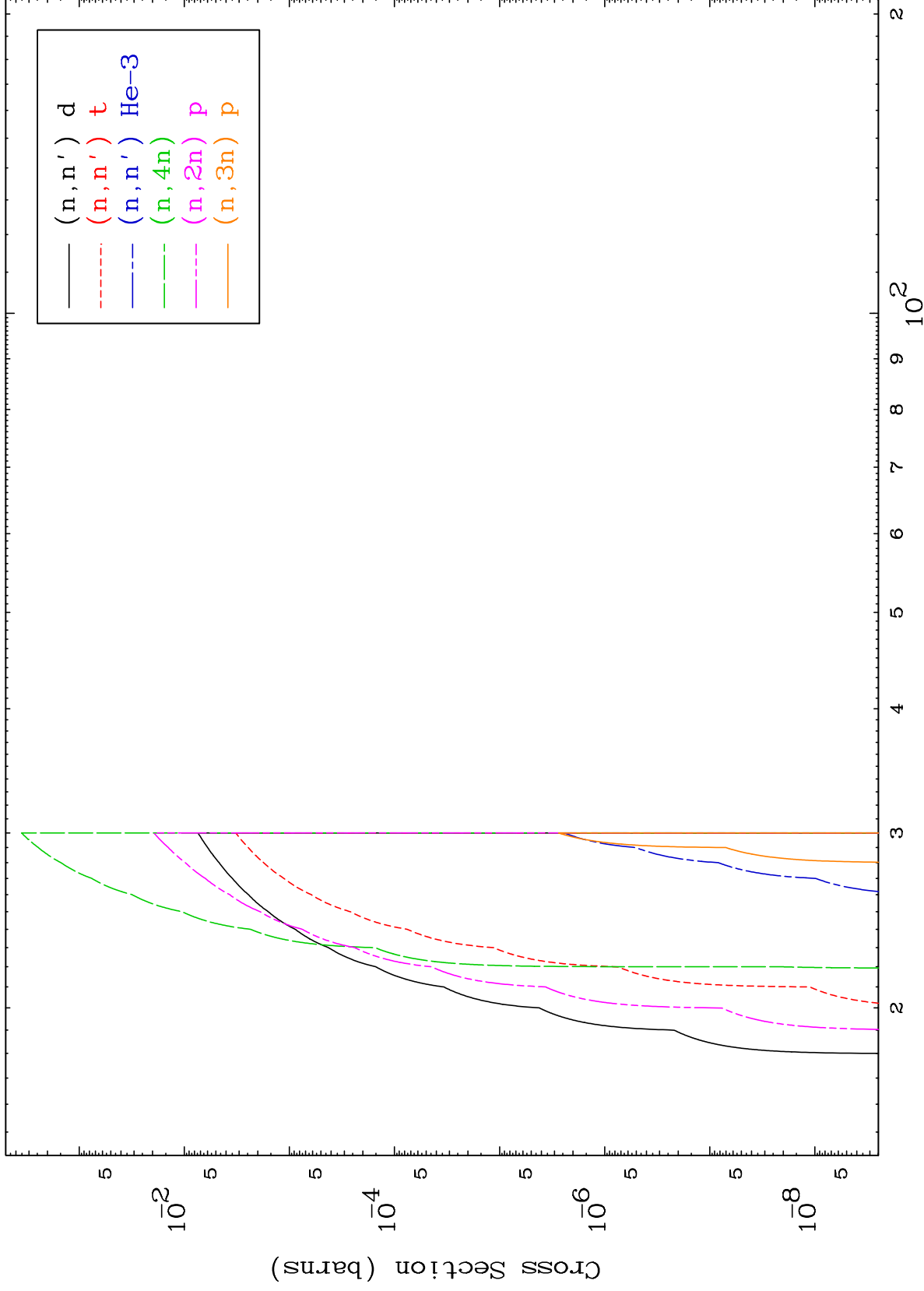
50-Sn-121



2

Incident Energy (MeV)

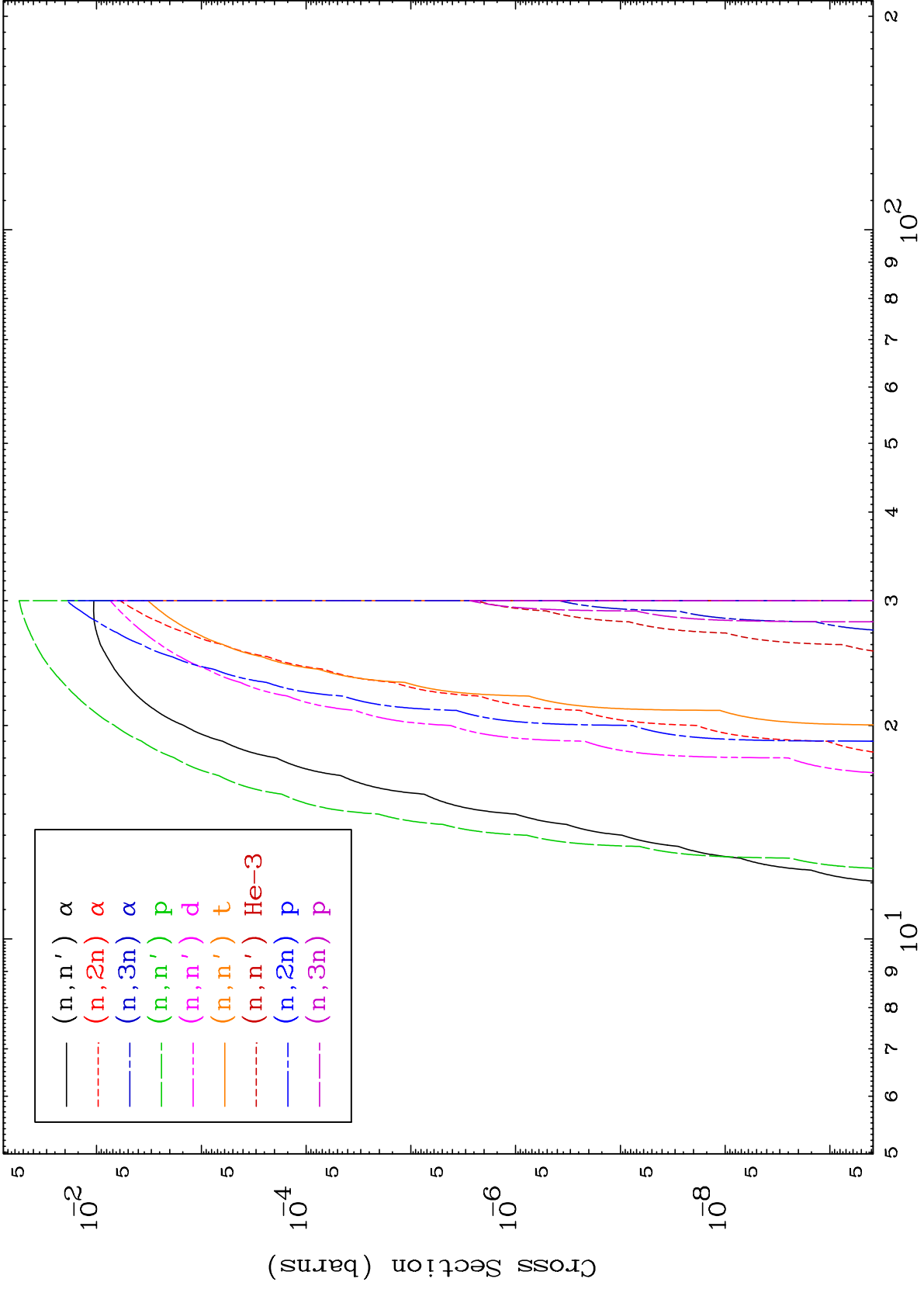
50-Sn-121



MAT 5053

Charged Particle
293 Kelvin Cross Sections

50-Sn-121



4

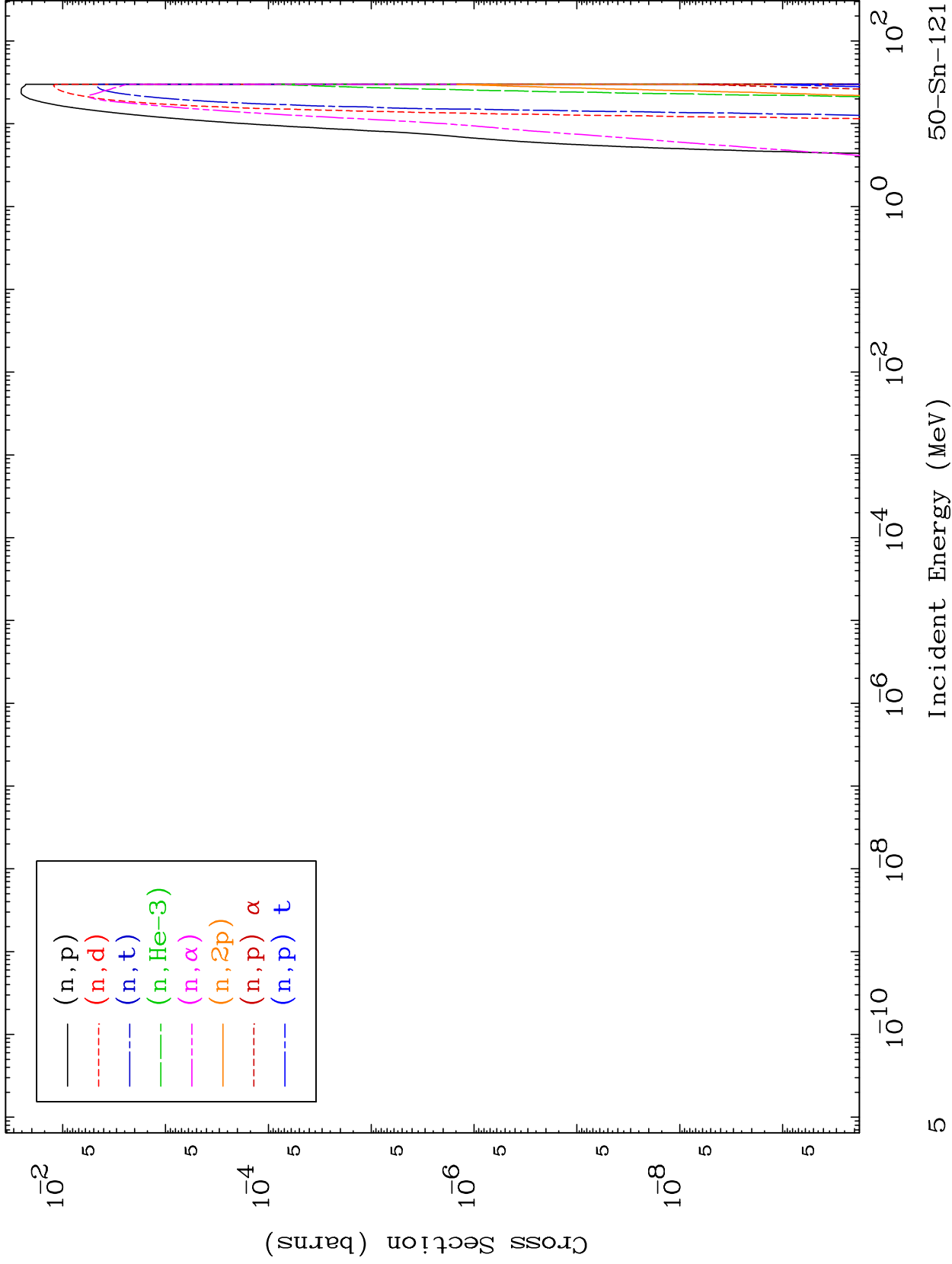
Incident Energy (MeV)

50-Sn-121

MAT 5053

Charged Particle
293 Kelvin Cross Sections

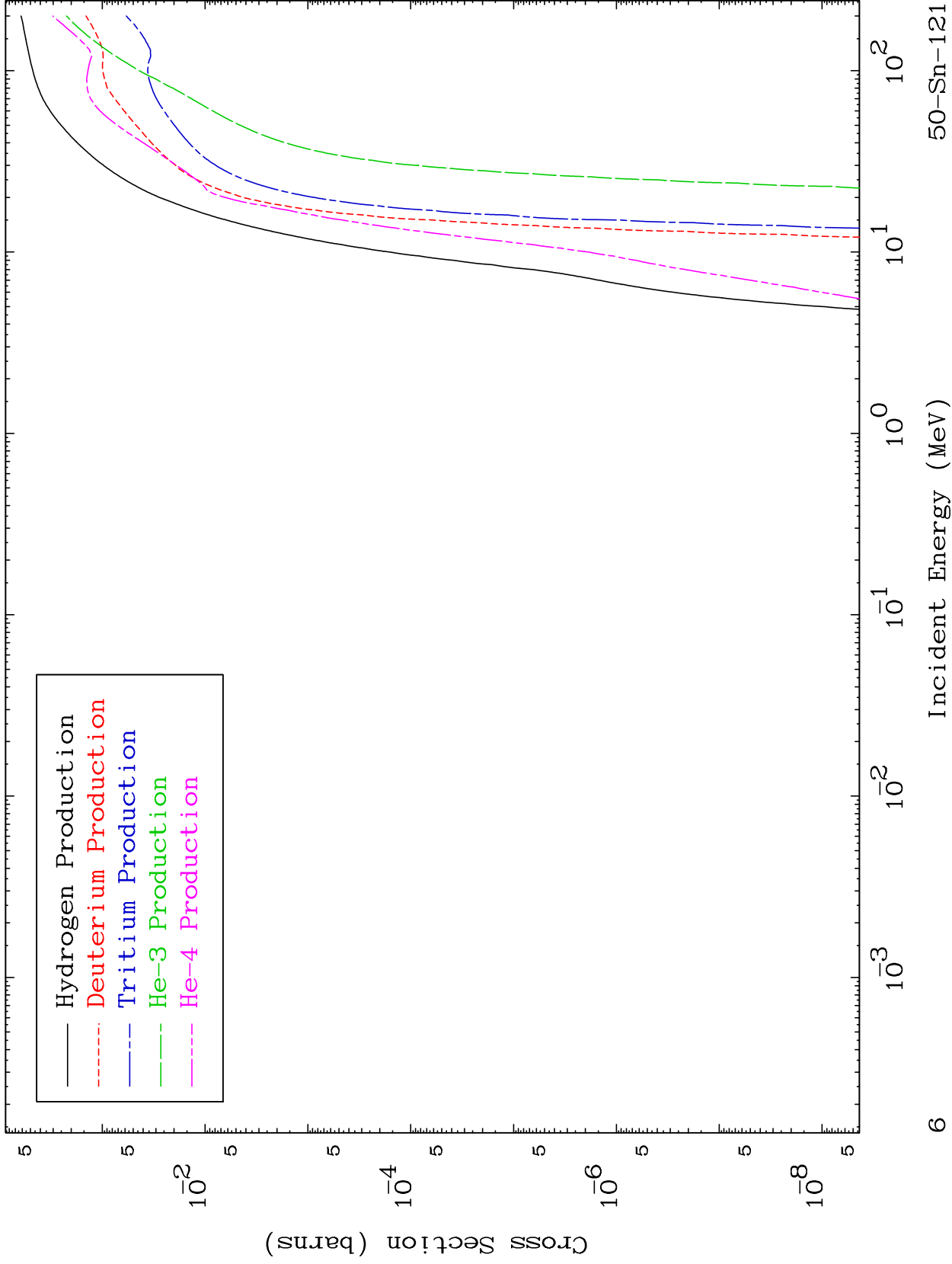
50-Sn-121



MAT 5053

Particle Production
293 Kelvin Cross Sections

50-Sn-121

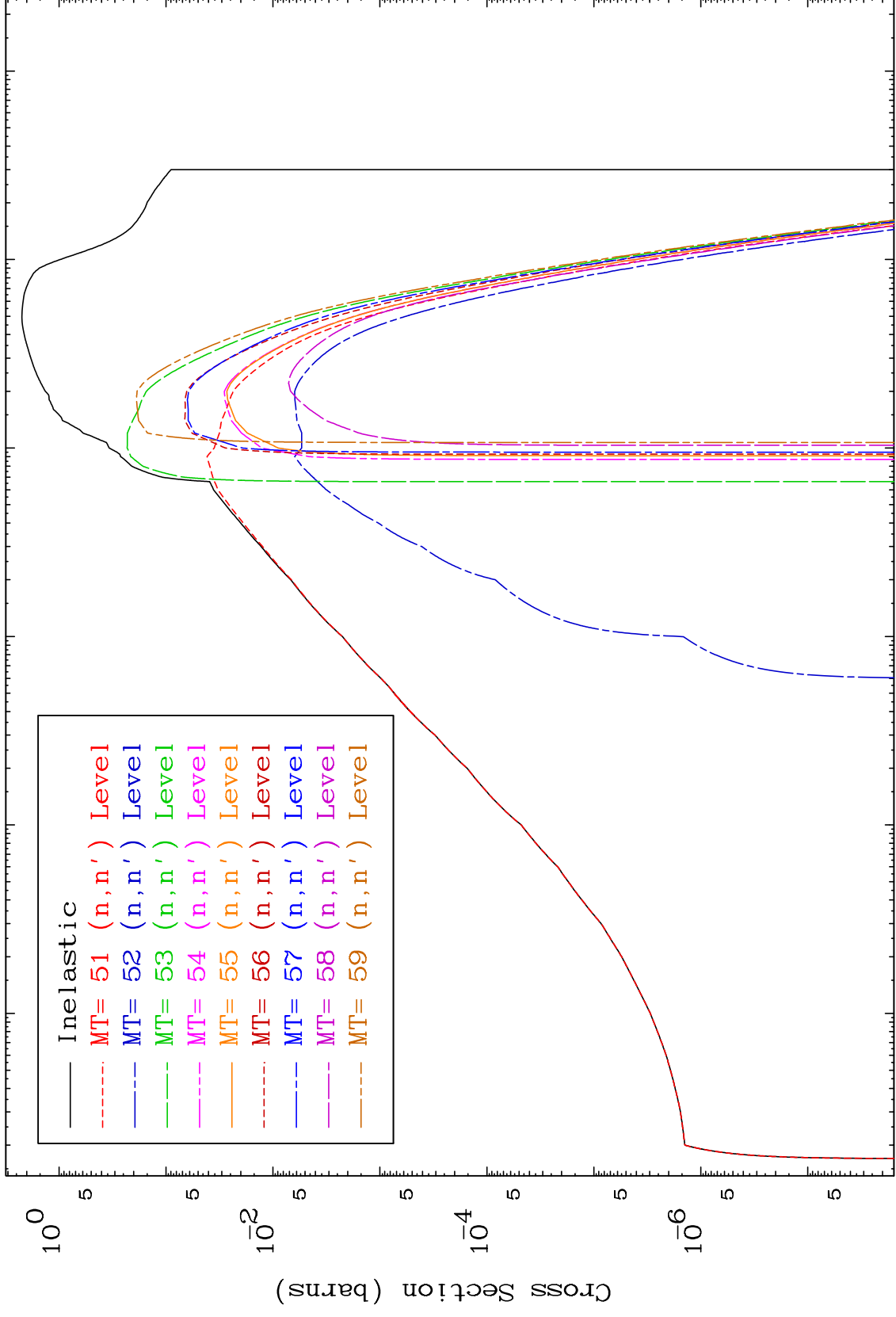


MAT 5053

(n,n') Level

50-Sn-121

293 Kelvins Cross Sections



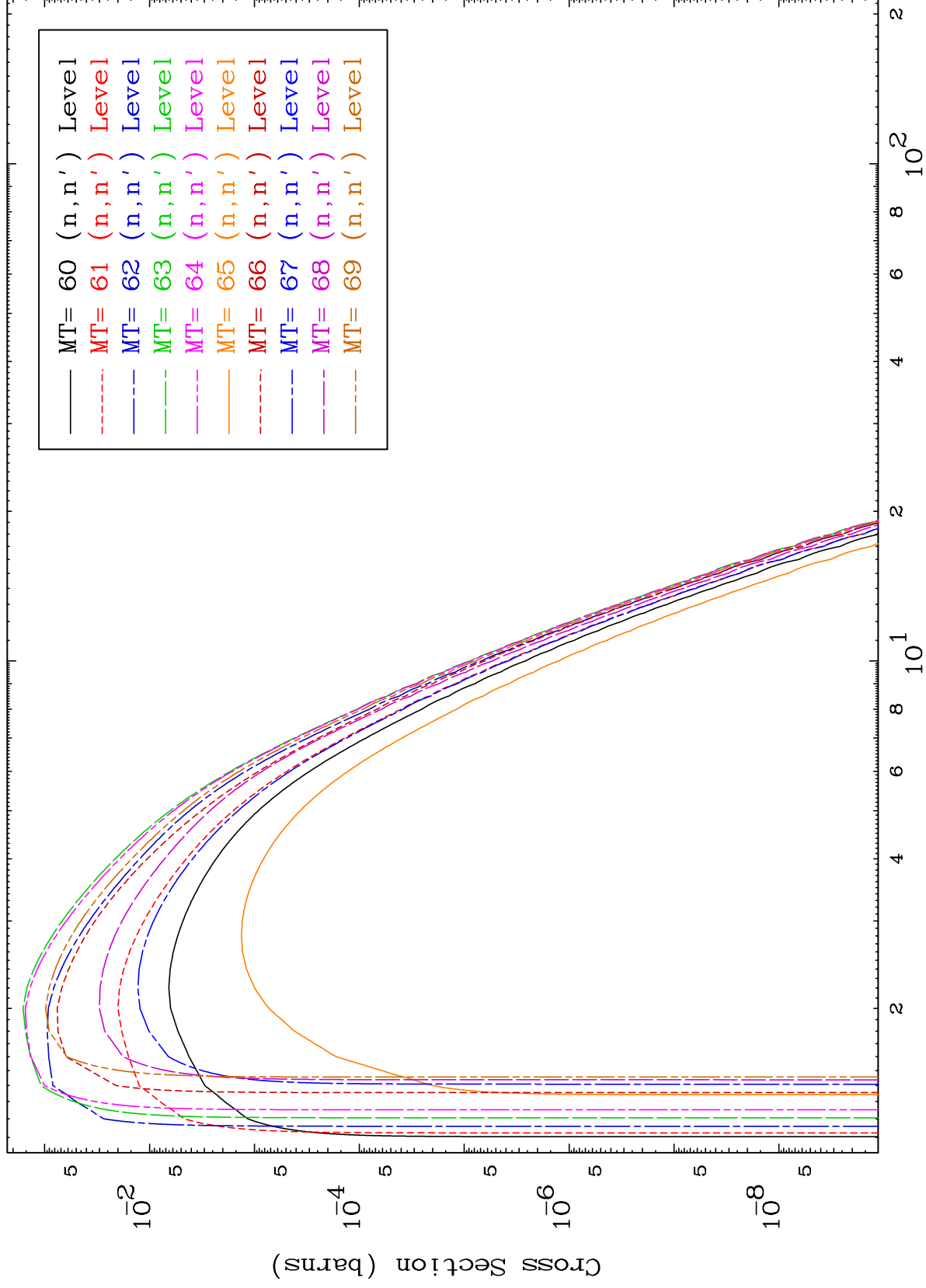
50-Sn-121

MAT 5053

(n,n') Level

50-Sn-121

293 Kelvin Cross Sections



8

Incident Energy (MeV)

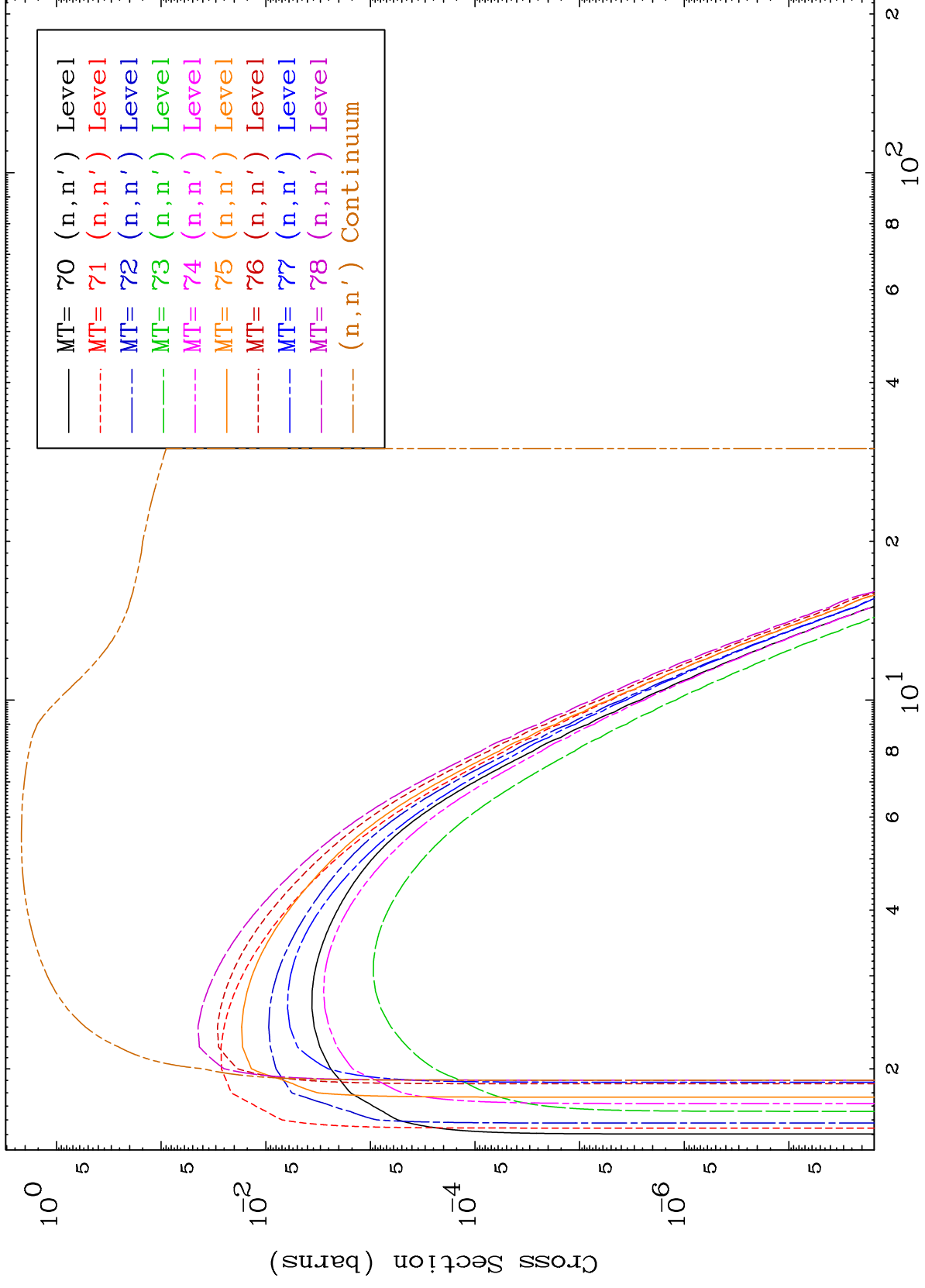
50-Sn-121

MAT 5053

(n,n') Level

50-Sn-121

293 Kelvin Cross Sections



9

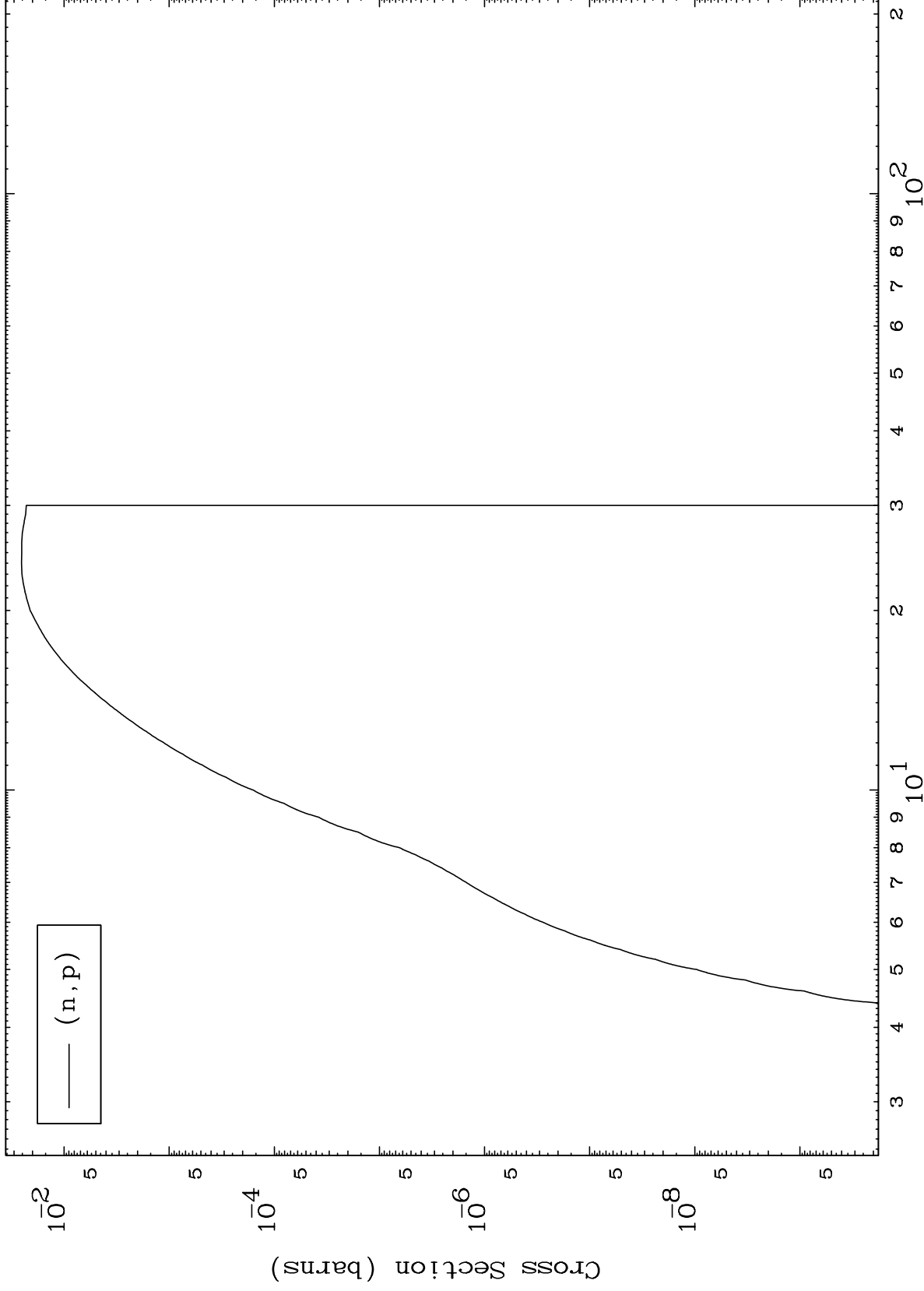
Incident Energy (MeV)

50-Sn-121

MAT 5053

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-121



50-Sn-121

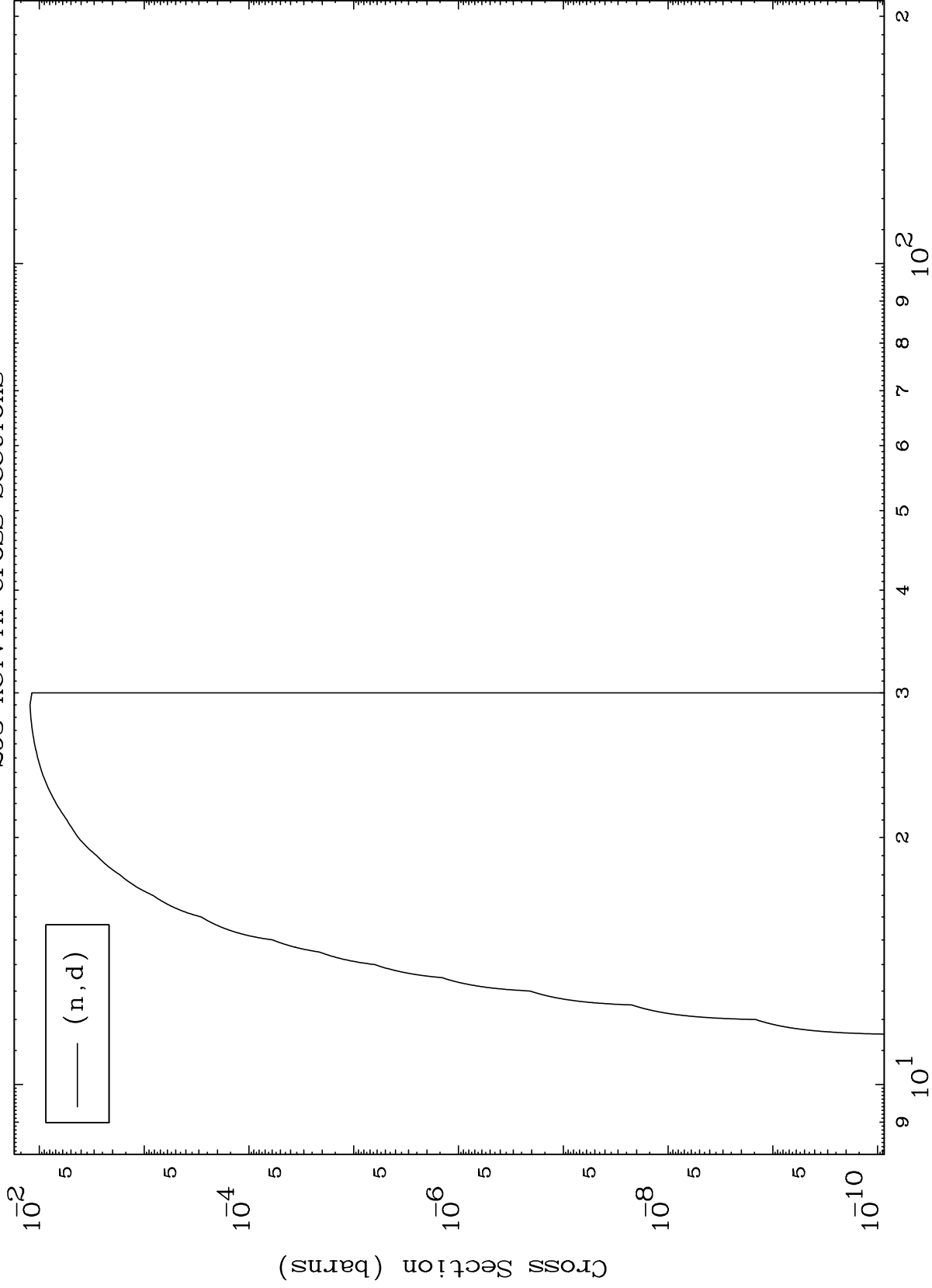
Incident Energy (MeV)

10

MAT 5053

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-121



11

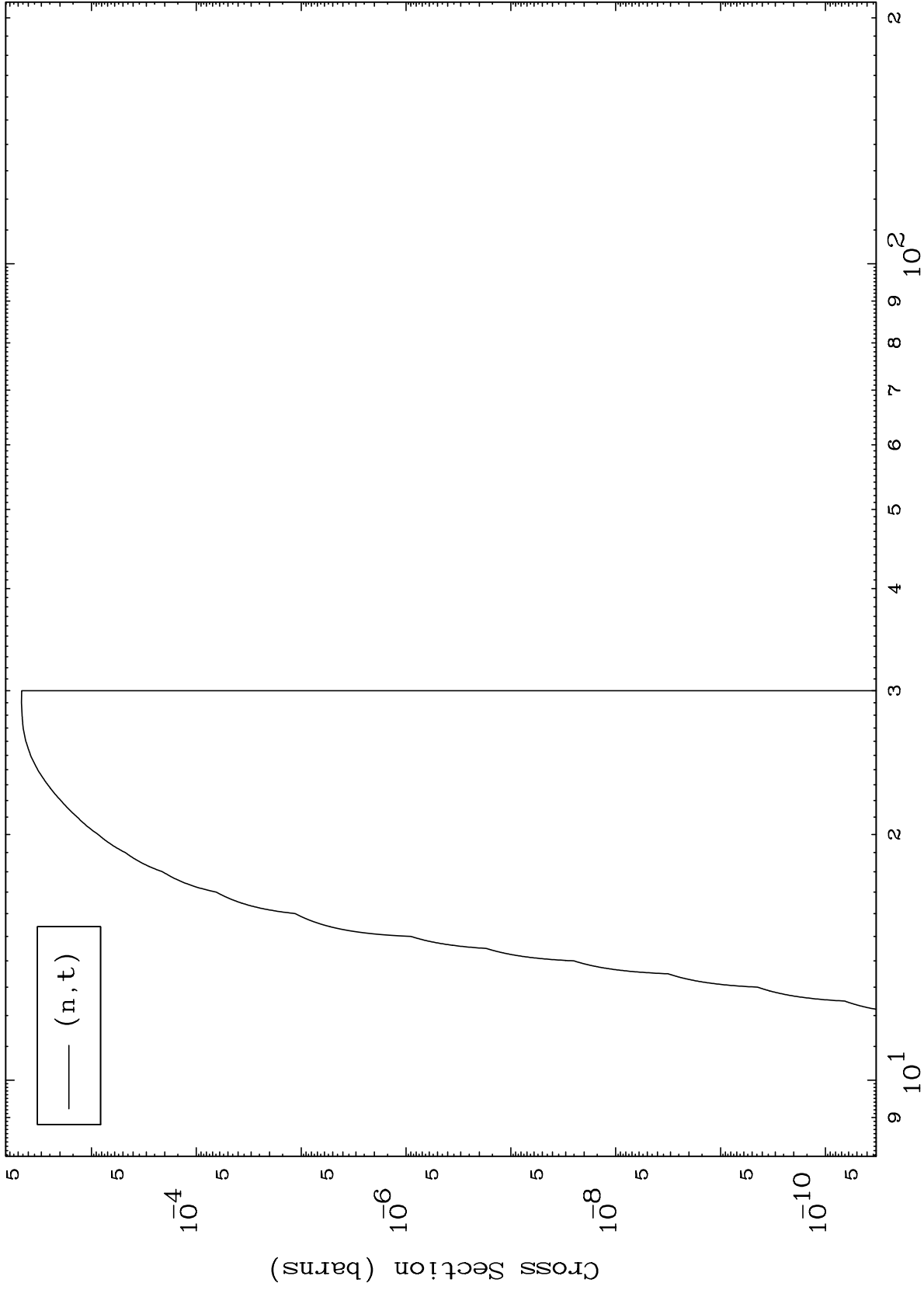
Incident Energy (MeV)

50-Sn-121

MAT 5053

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-121



12

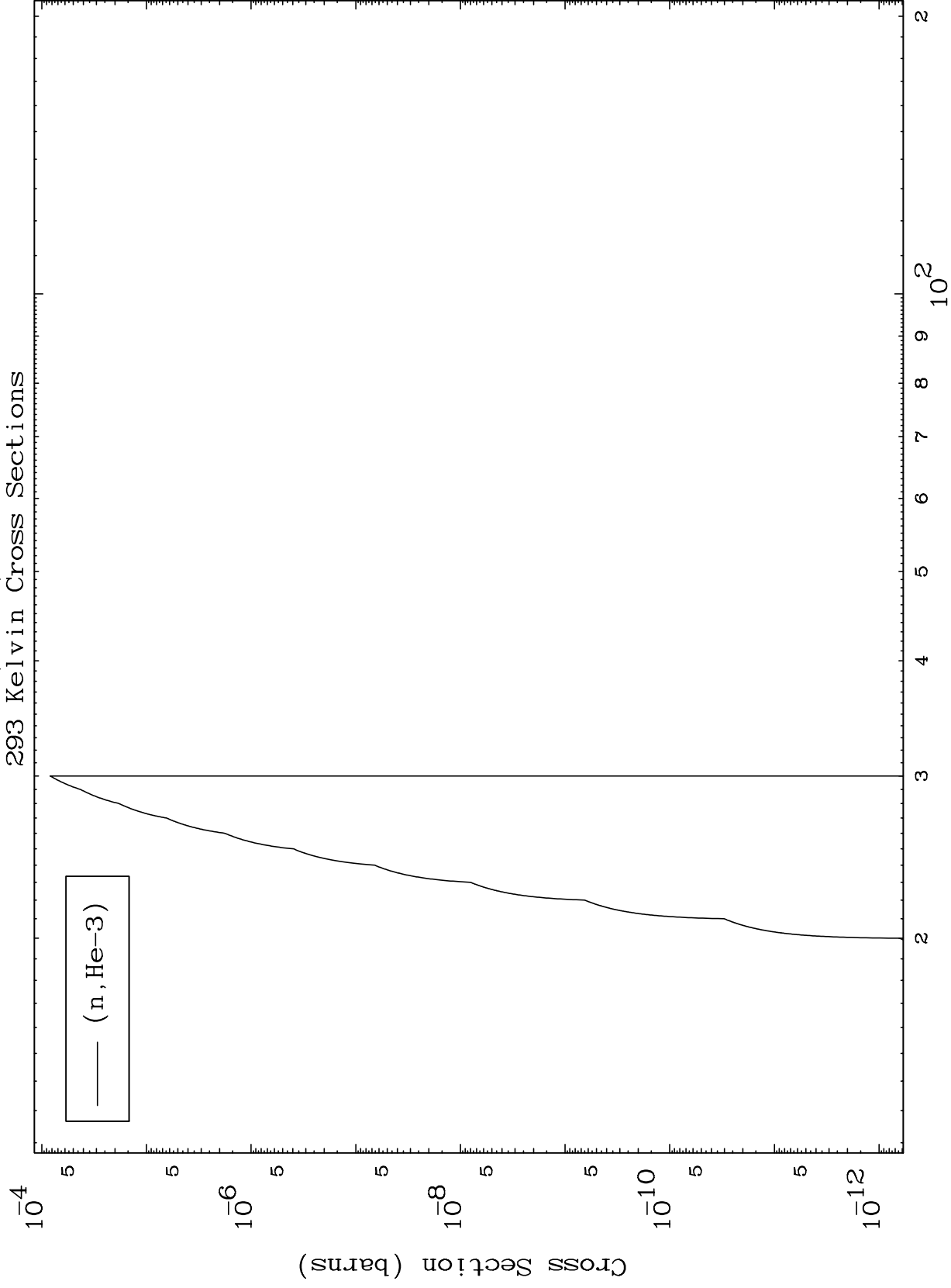
Incident Energy (MeV)

50-Sn-121

MAT 5053

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-121



13

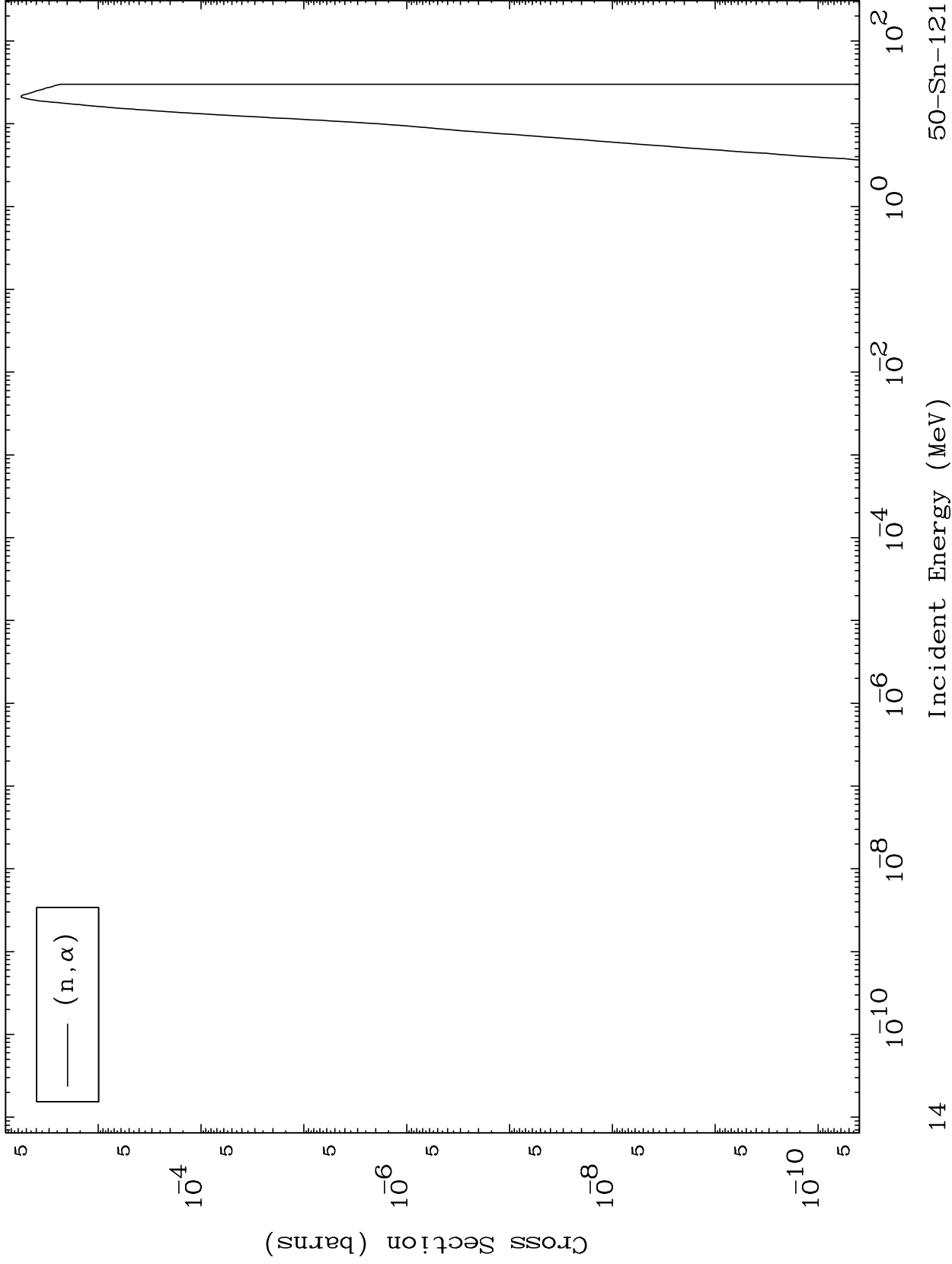
Incident Energy (MeV)

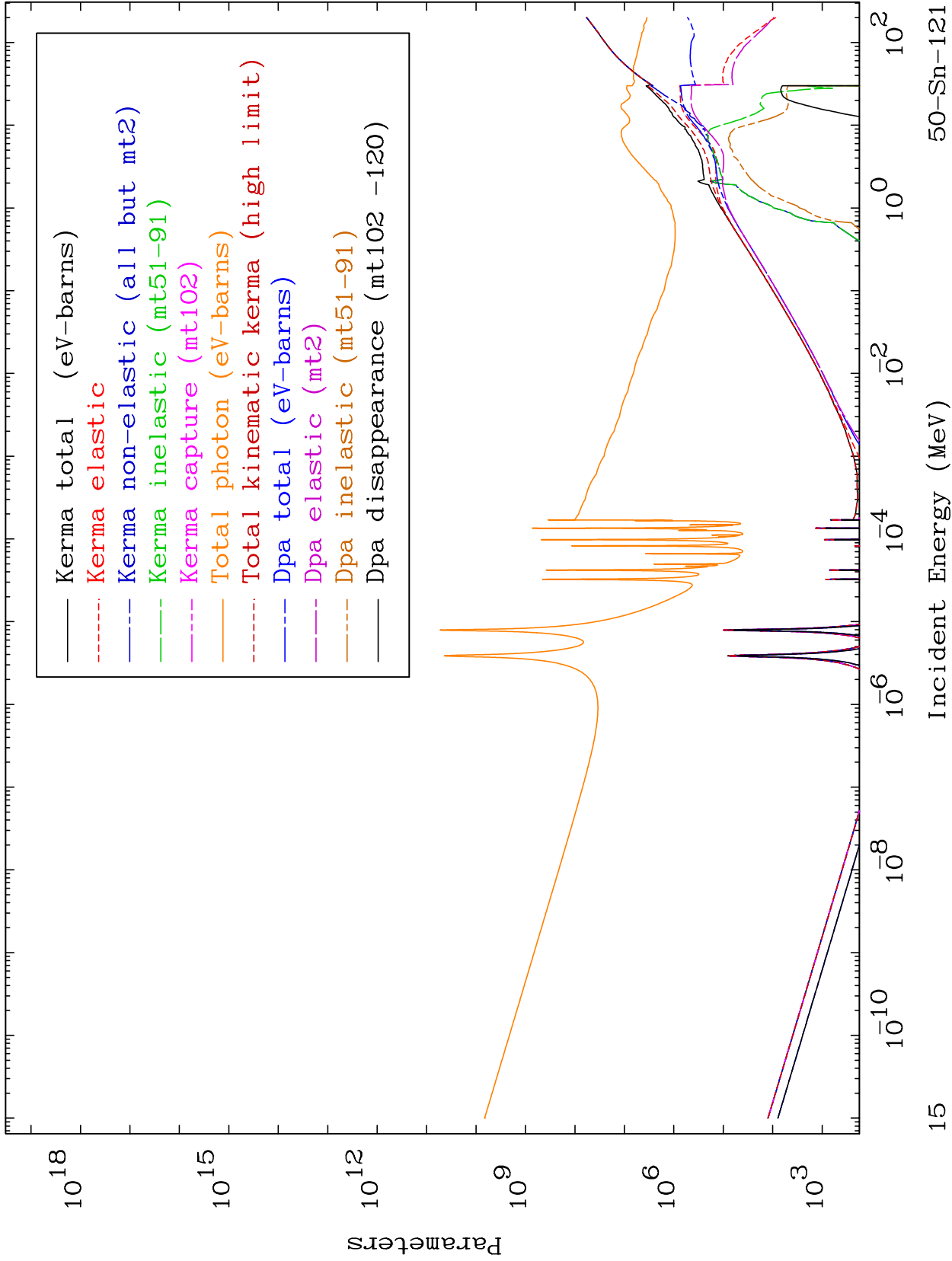
50-Sn-121

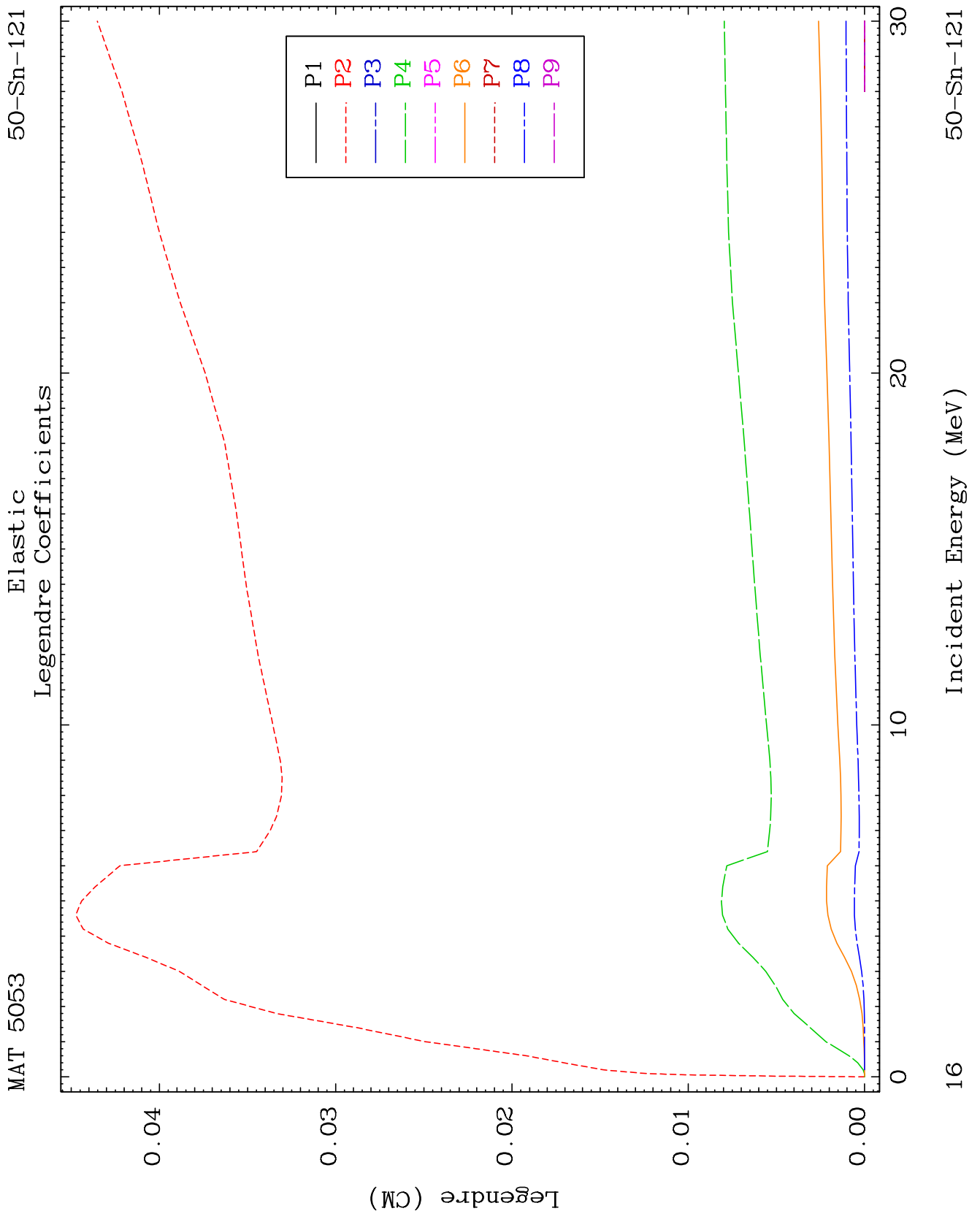
MAT 5053

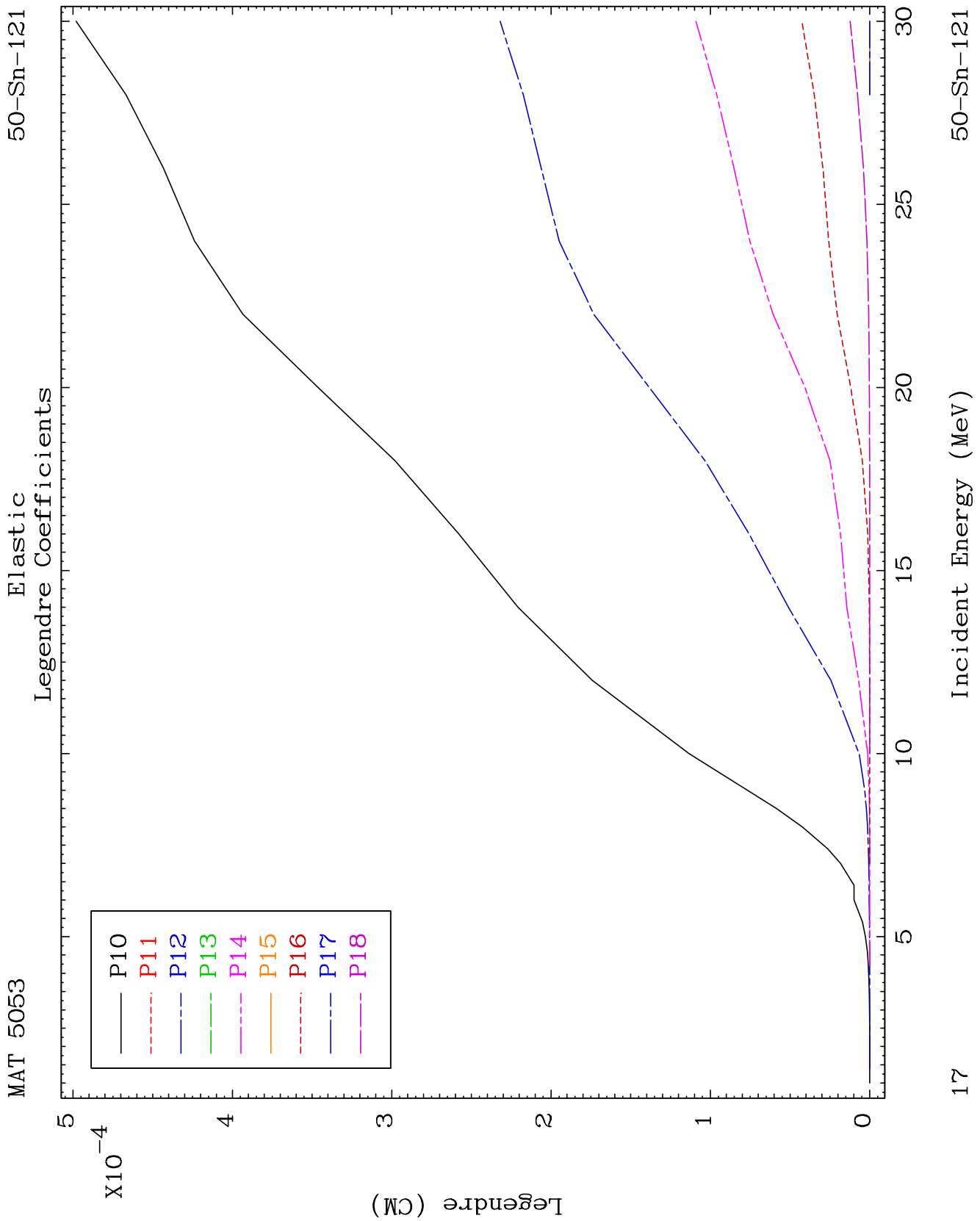
(n, α) Levels
293 Kelvin Cross Sections

50-Sn-121





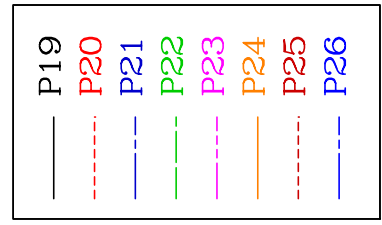




MAT 5053

Elastic Legendre Coefficients

50-Sn-121



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

25

30

18

Incident Energy (MeV)

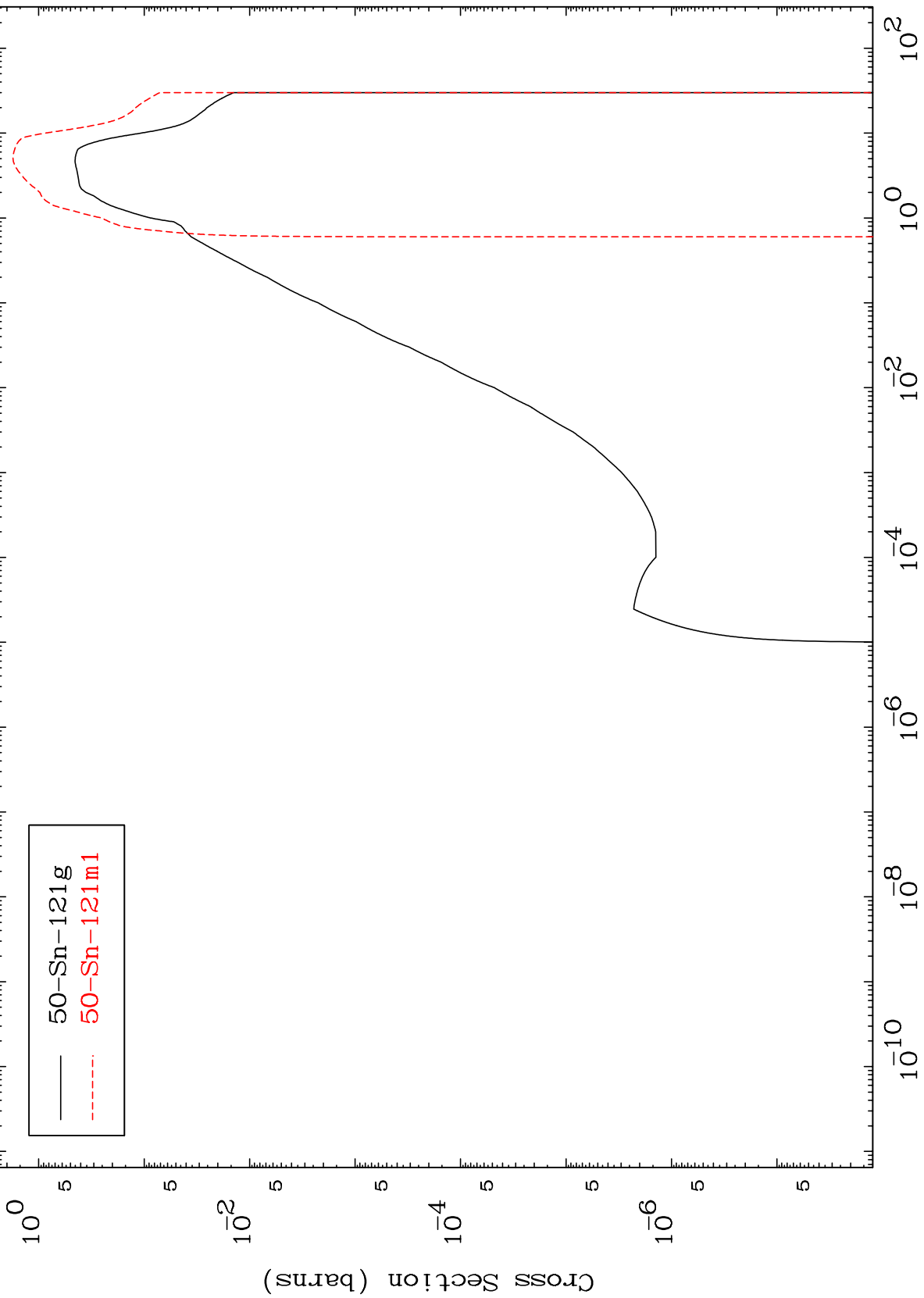
50-Sn-121



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Inelastic
Radionuclide Production Cross Section

50-Sn-121

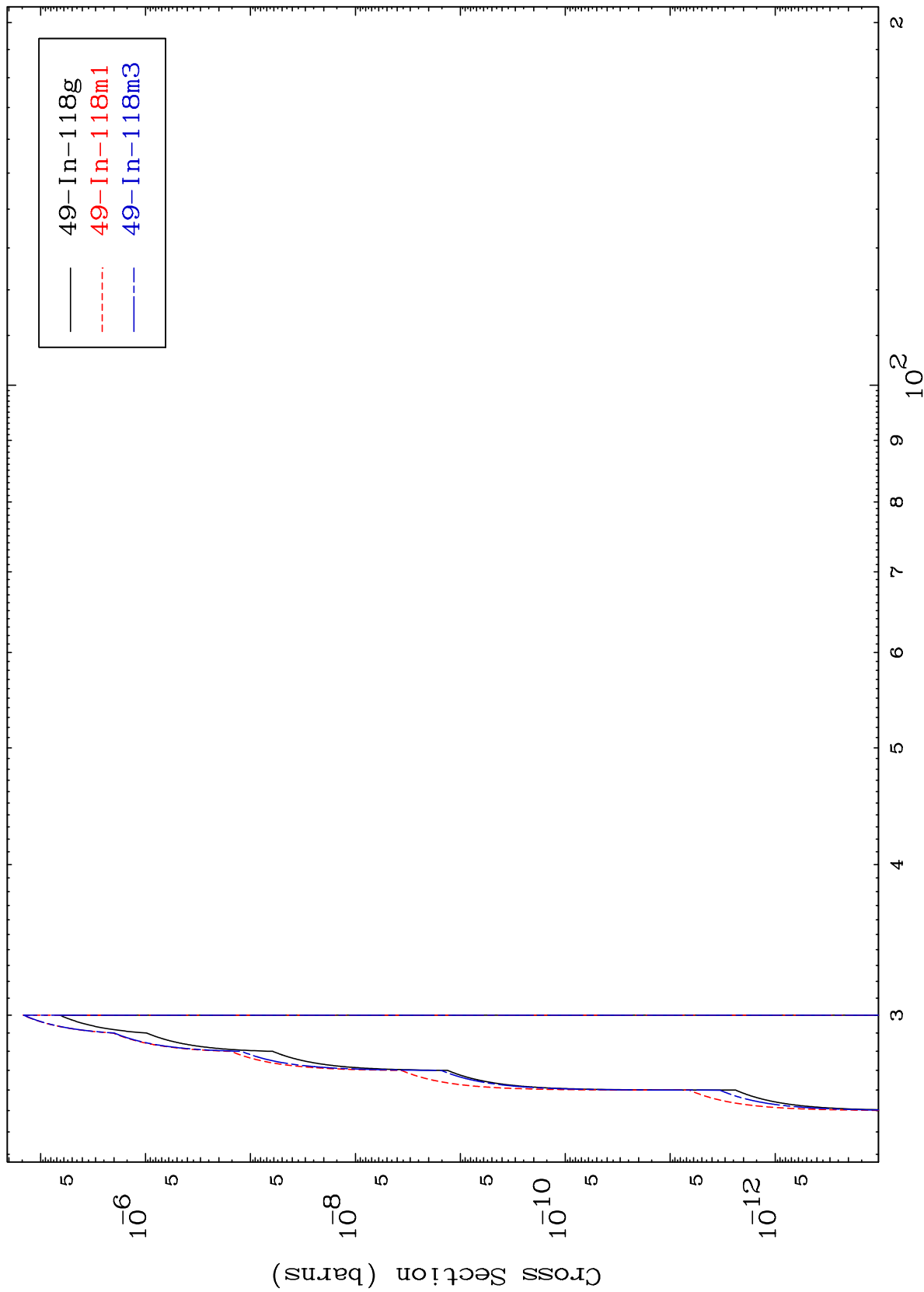


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(n,2n) d

50-Sn-121

Radionuclide Production Cross Section



20

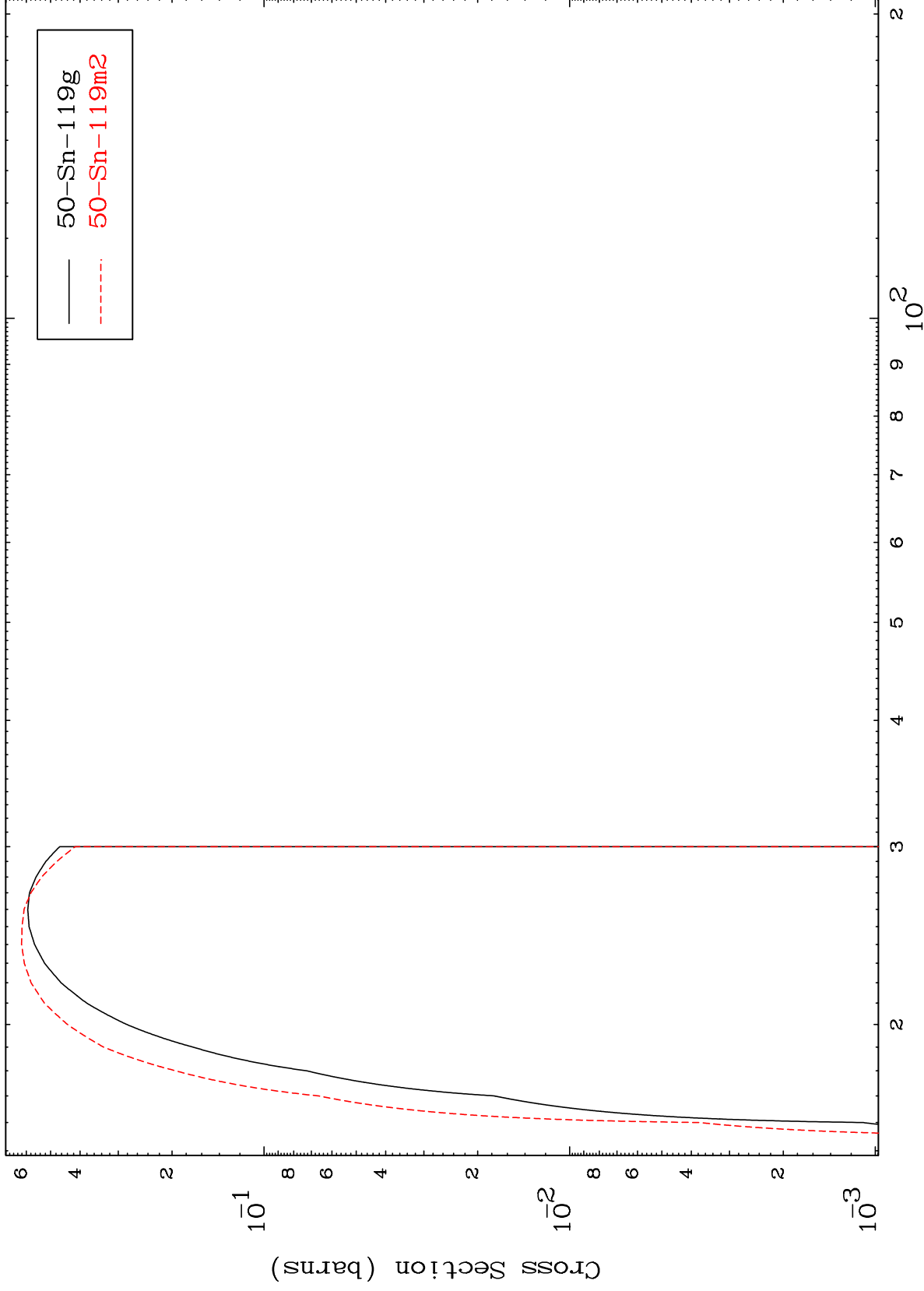
Incident Energy (MeV)

50-Sn-121

MAT 5053

50-Sn-121

(n,3n)
Radionuclide Production Cross Section



50-Sn-121

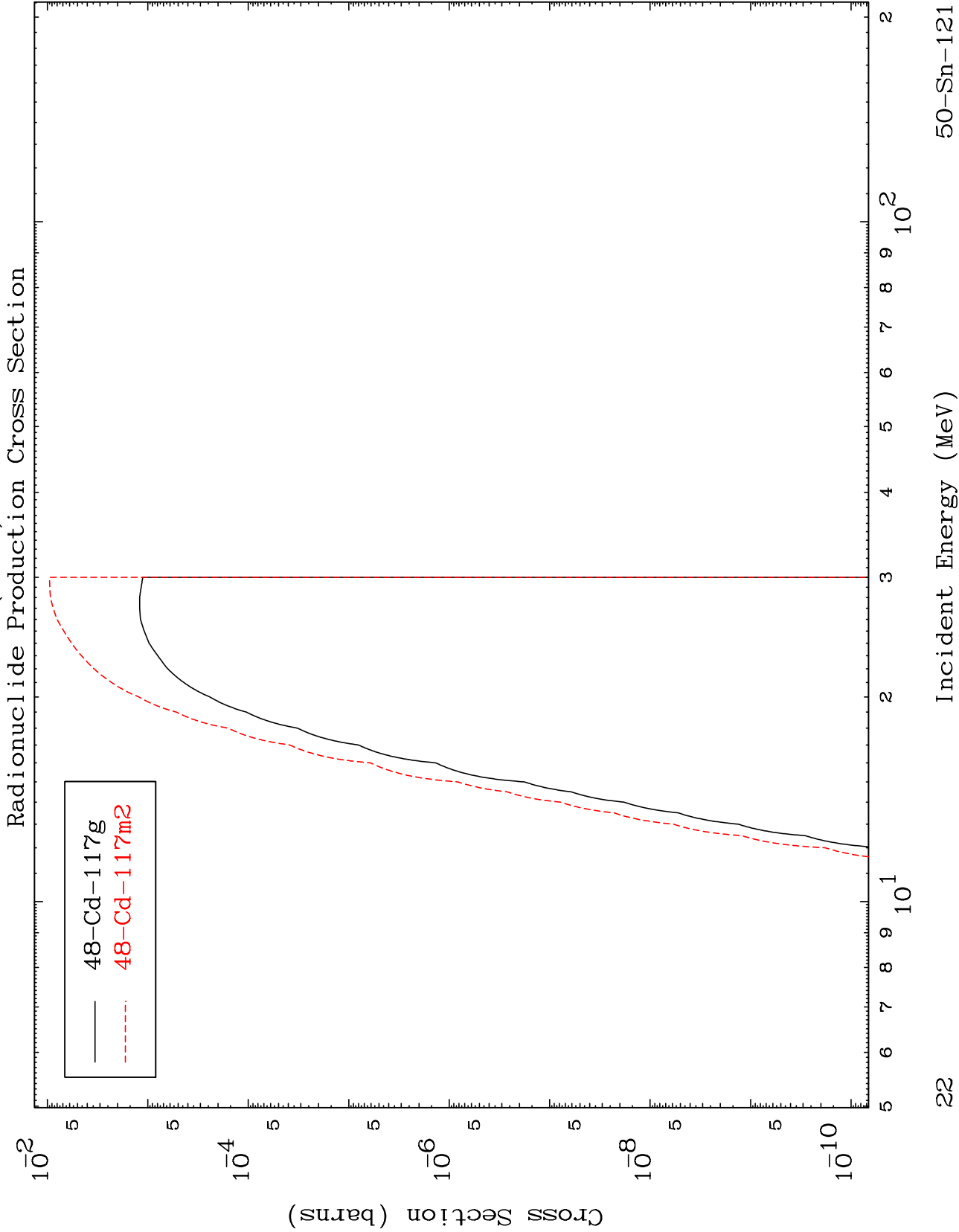
Incident Energy (MeV)

21

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$(n, n') \alpha$

50-Sn-121



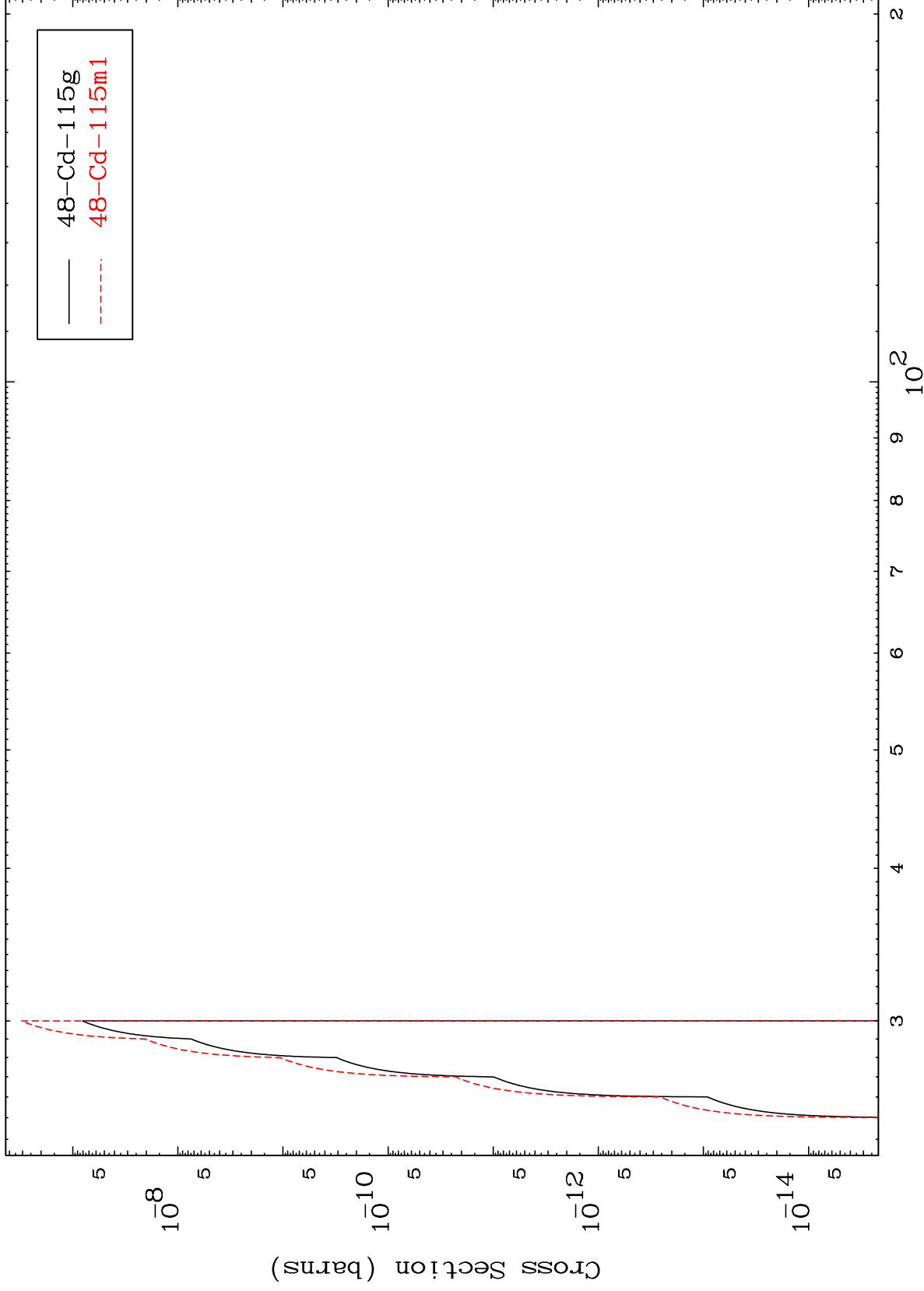
22

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(n,3n) α

50-Sn-121

Radionuclide Production Cross Section

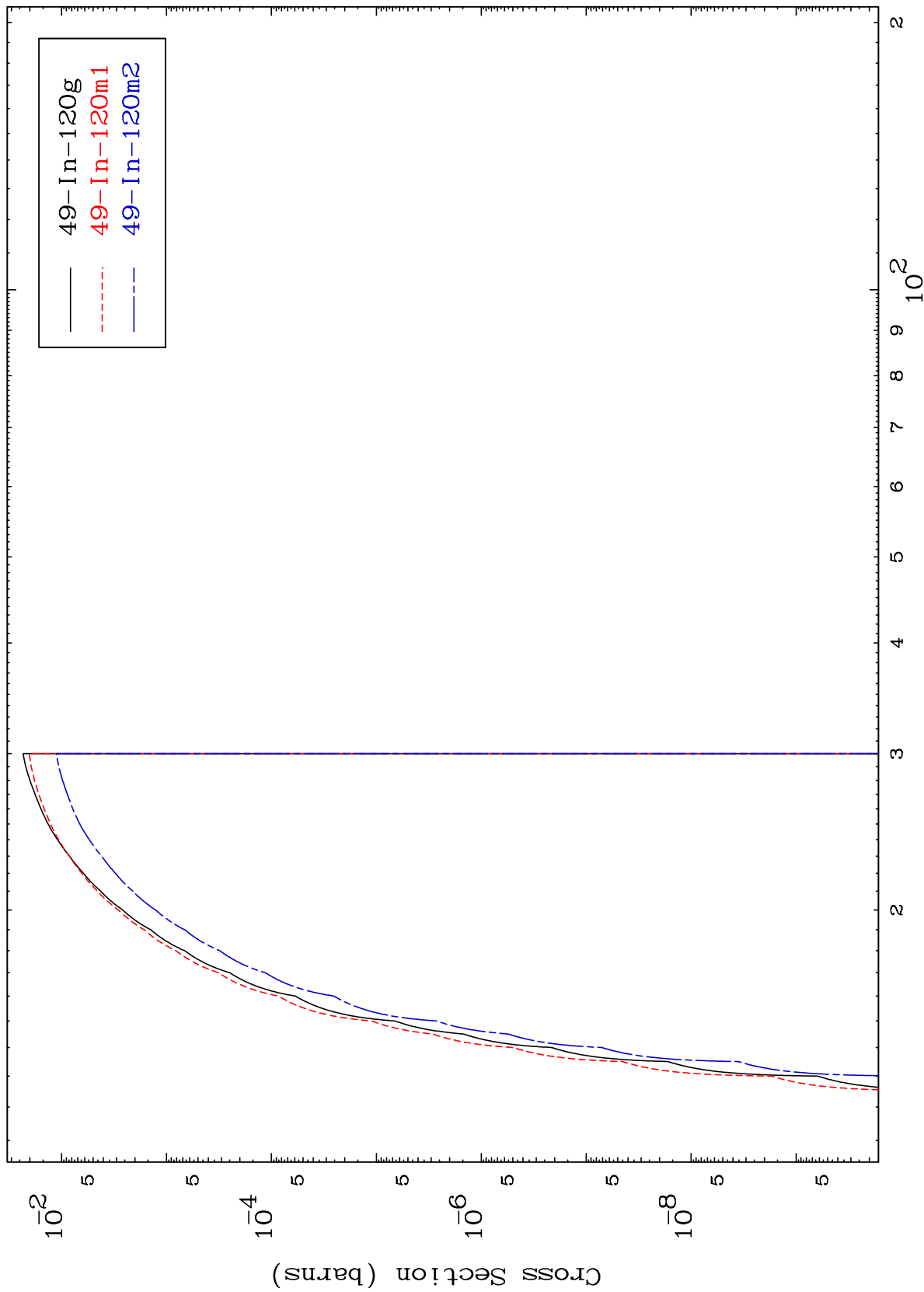


23

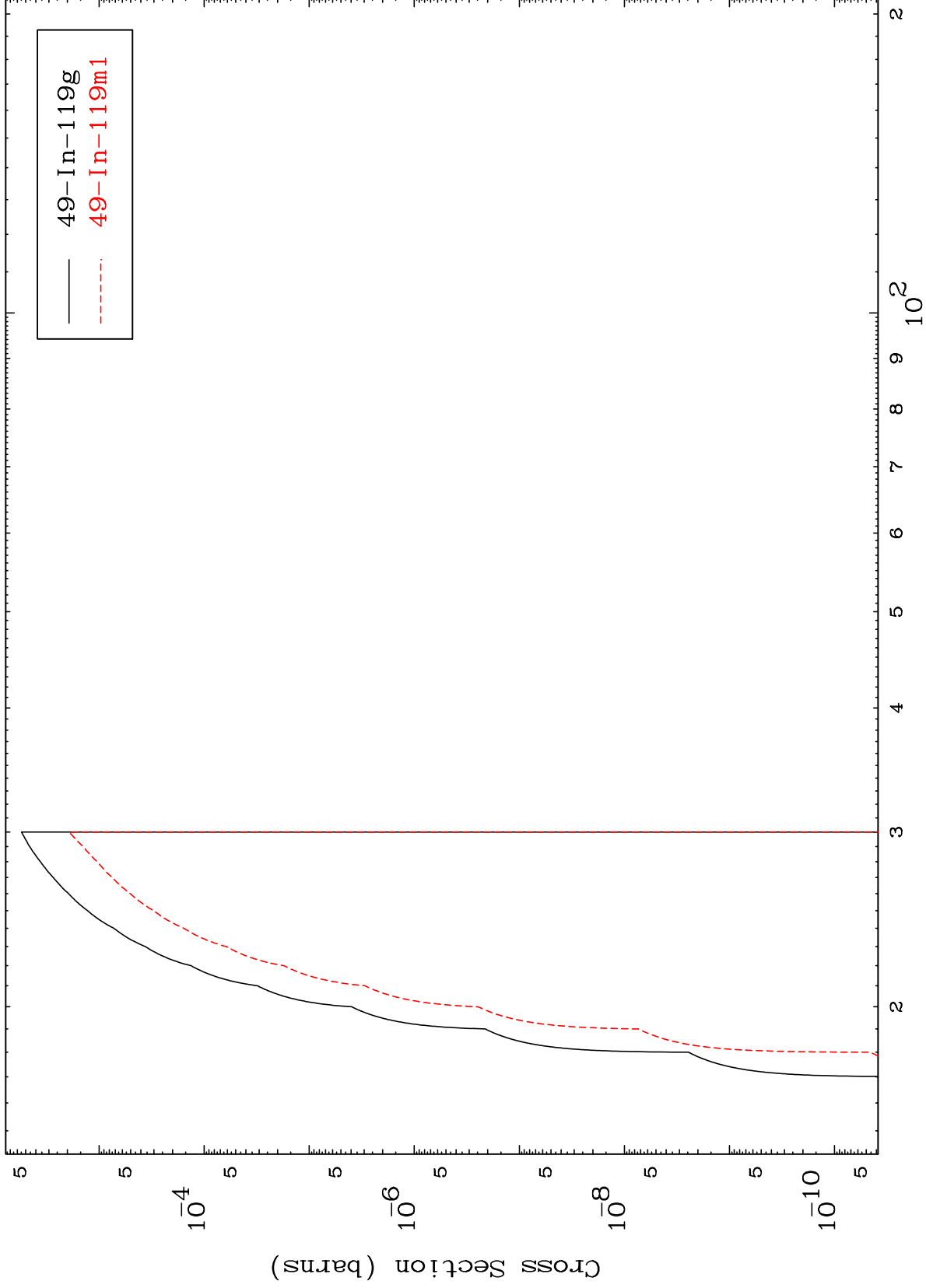
Incident Energy (MeV)

50-Sn-121

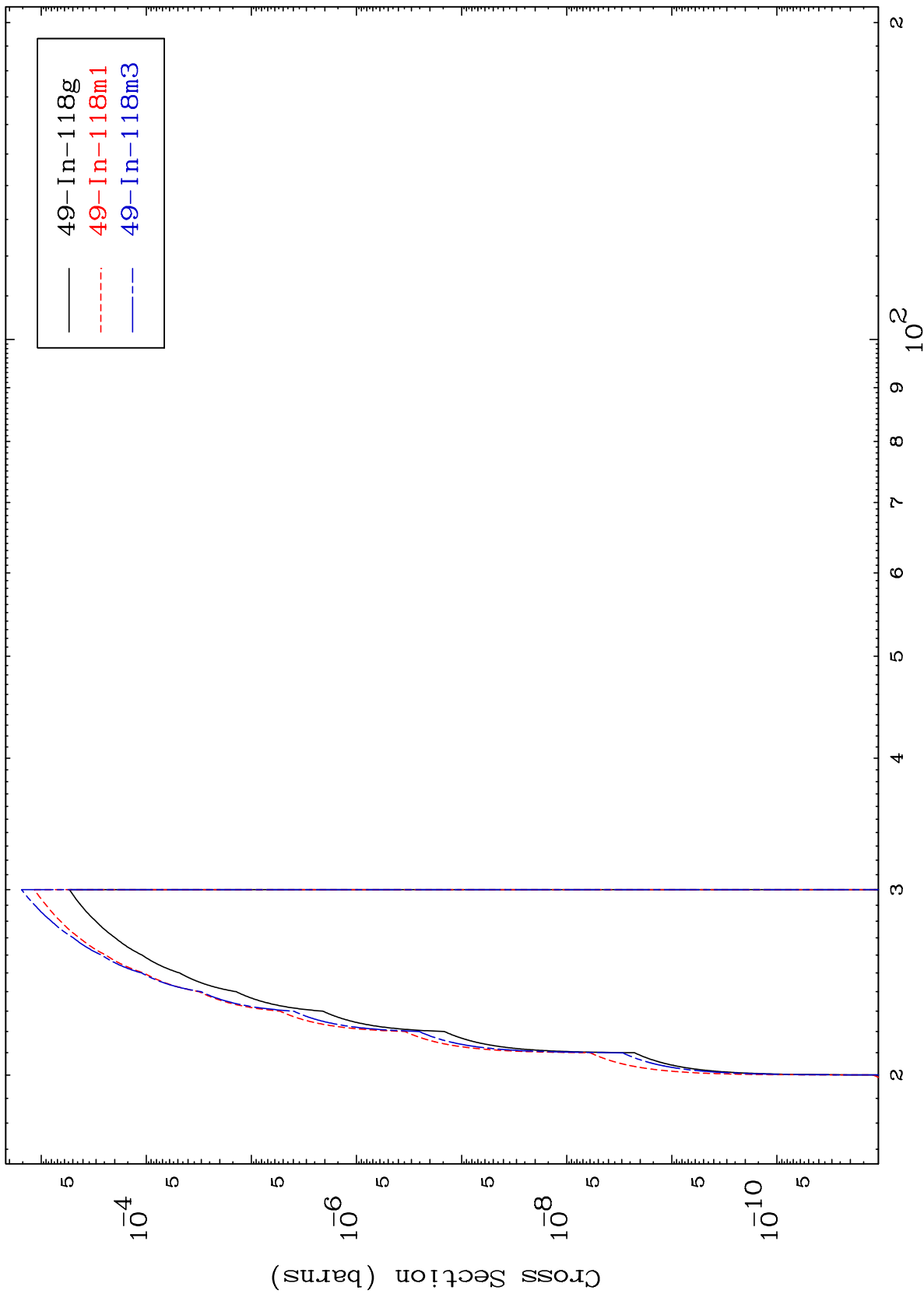
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

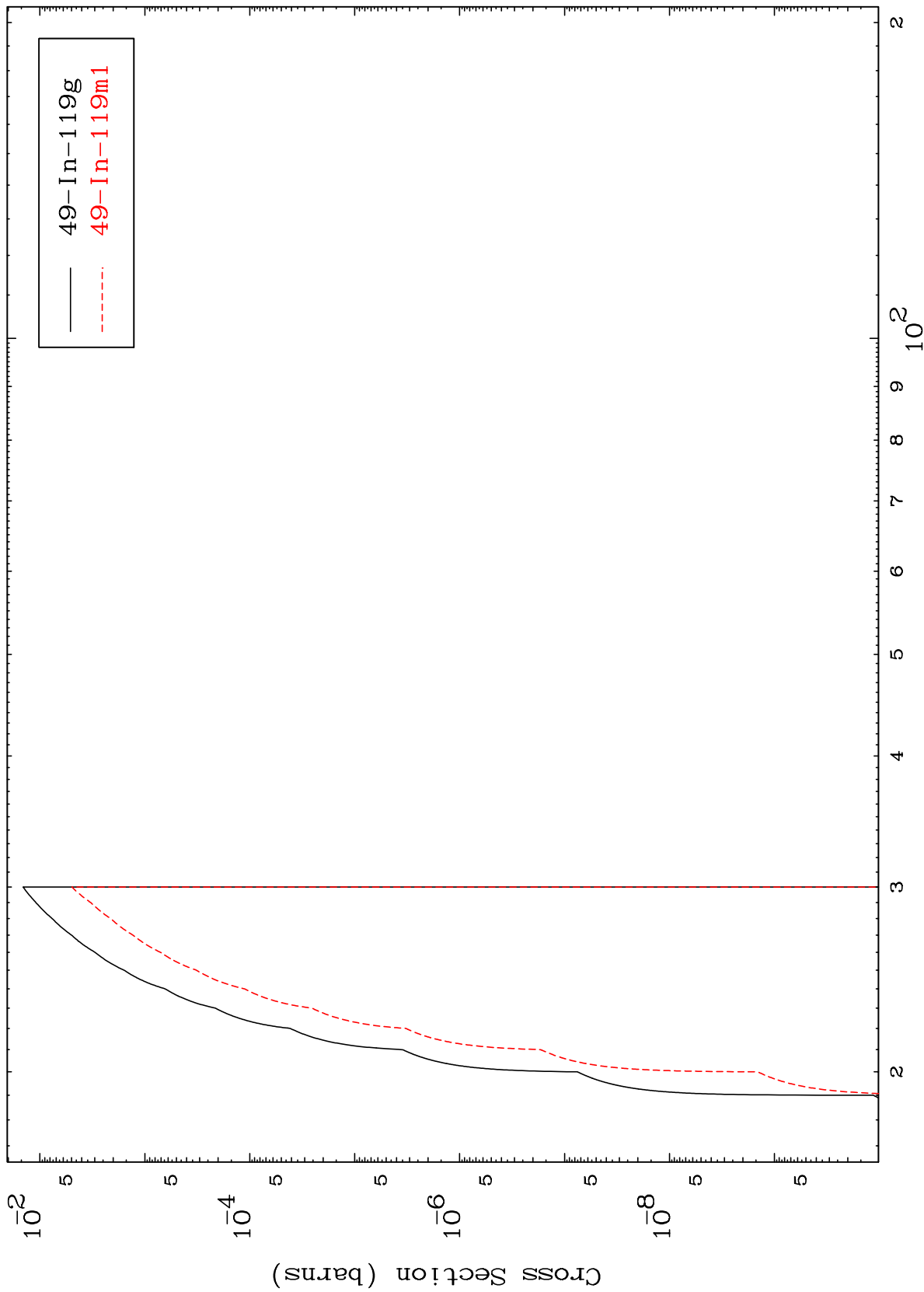


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(n,2n) p

50-Sn-121

Radionuclide Production Cross Section



27

Incident Energy (MeV)

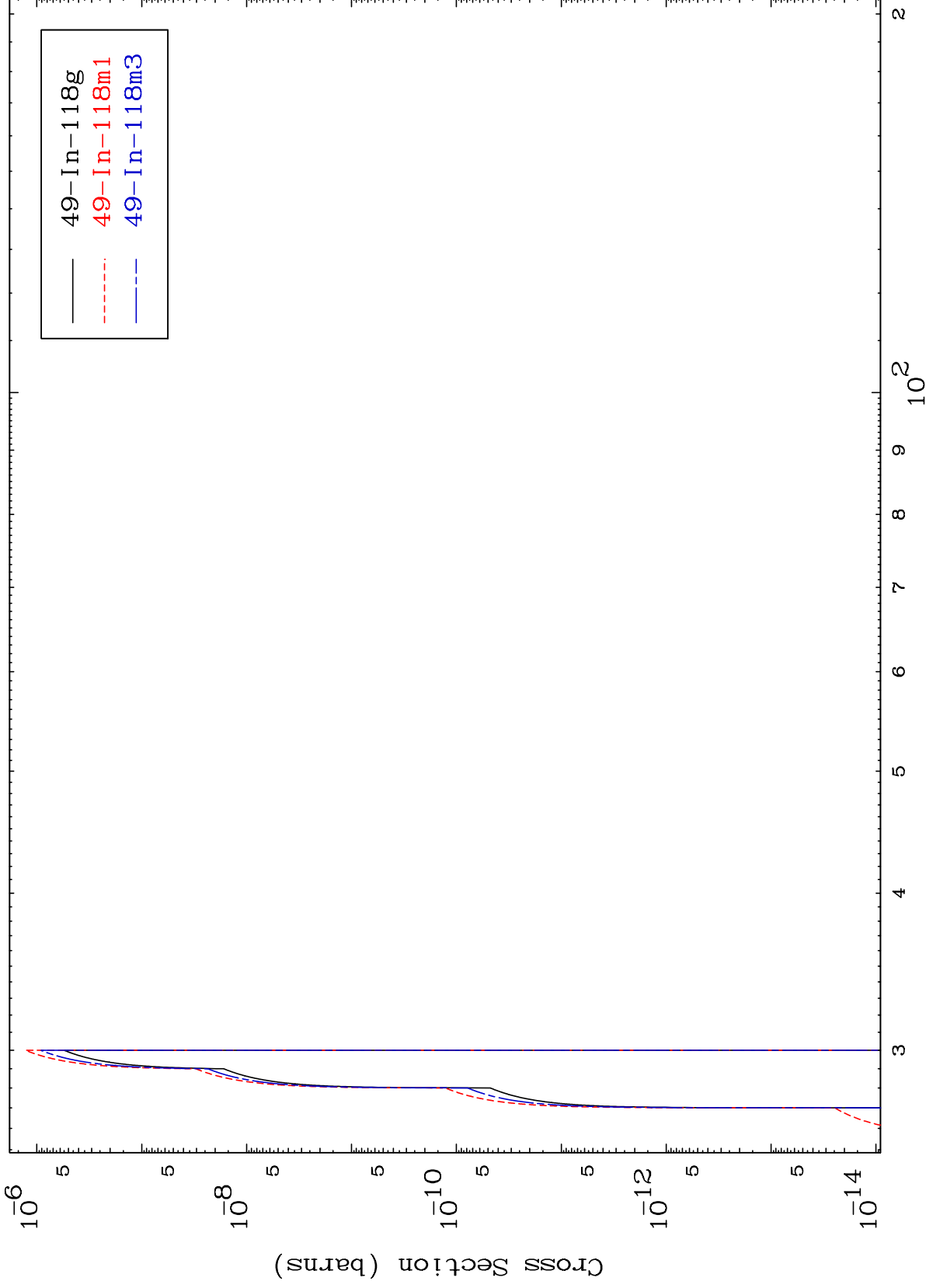
50-Sn-121

MAT 5053

(n,3n) p

50-Sn-121

Radionuclide Production Cross Section



28

Incident Energy (MeV)

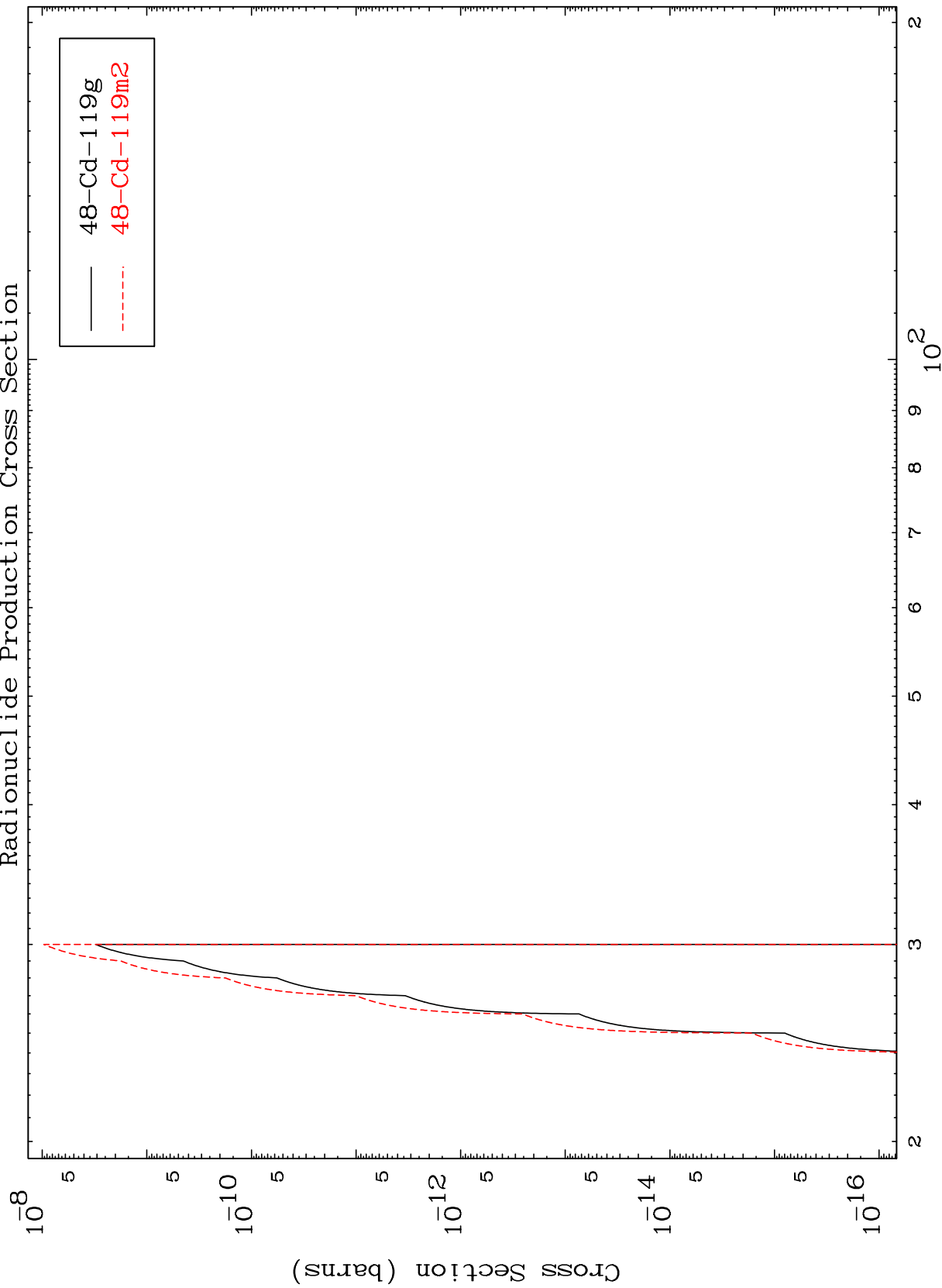
50-Sn-121

MAT 5053

(n,2n) p

50-Sn-121

Radionuclide Production Cross Section



29

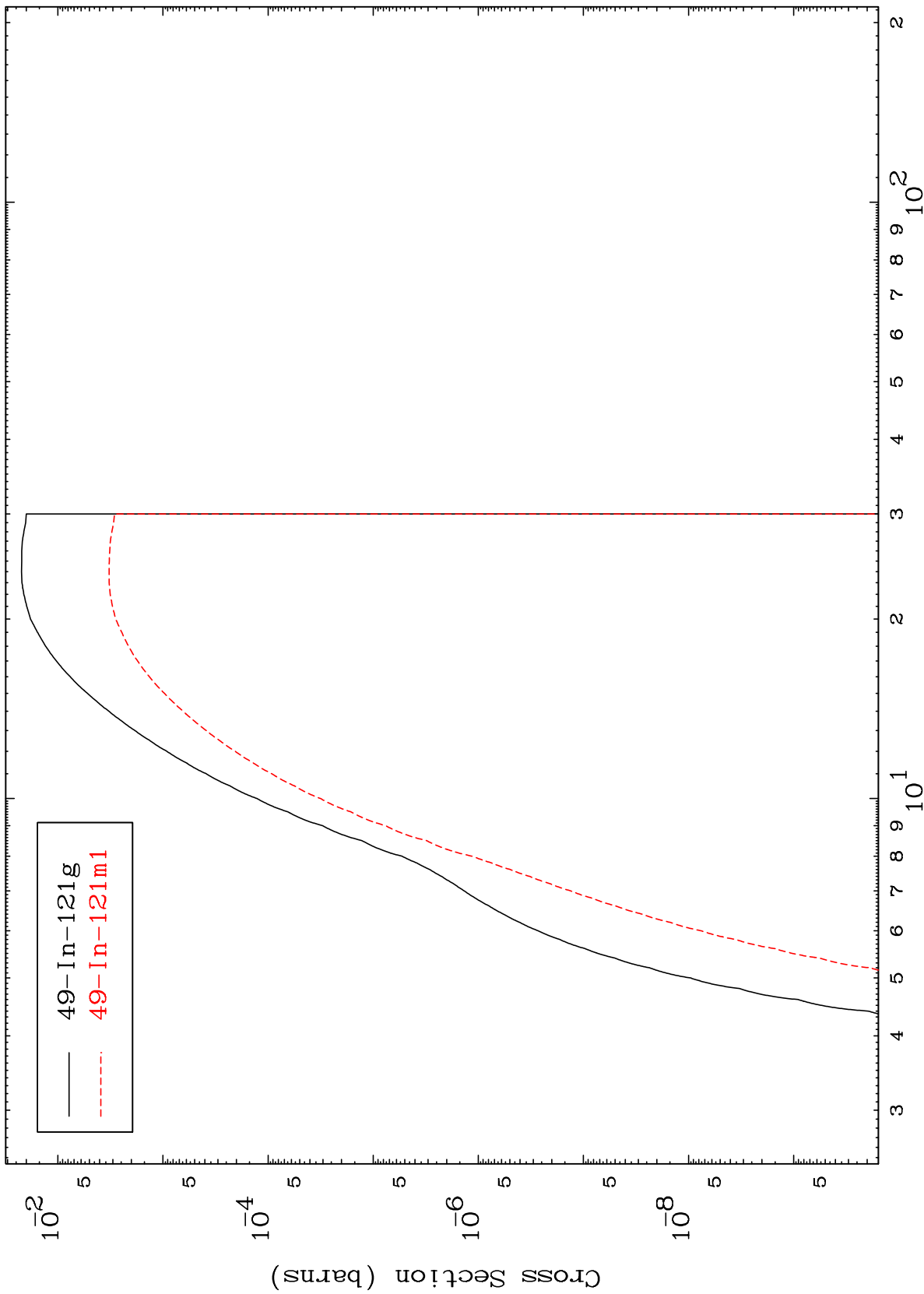
Incident Energy (MeV)

50-Sn-121

MAT 5053

50-Sn-121

(n,p)
Radionuclide Production Cross Section



30

Incident Energy (MeV)

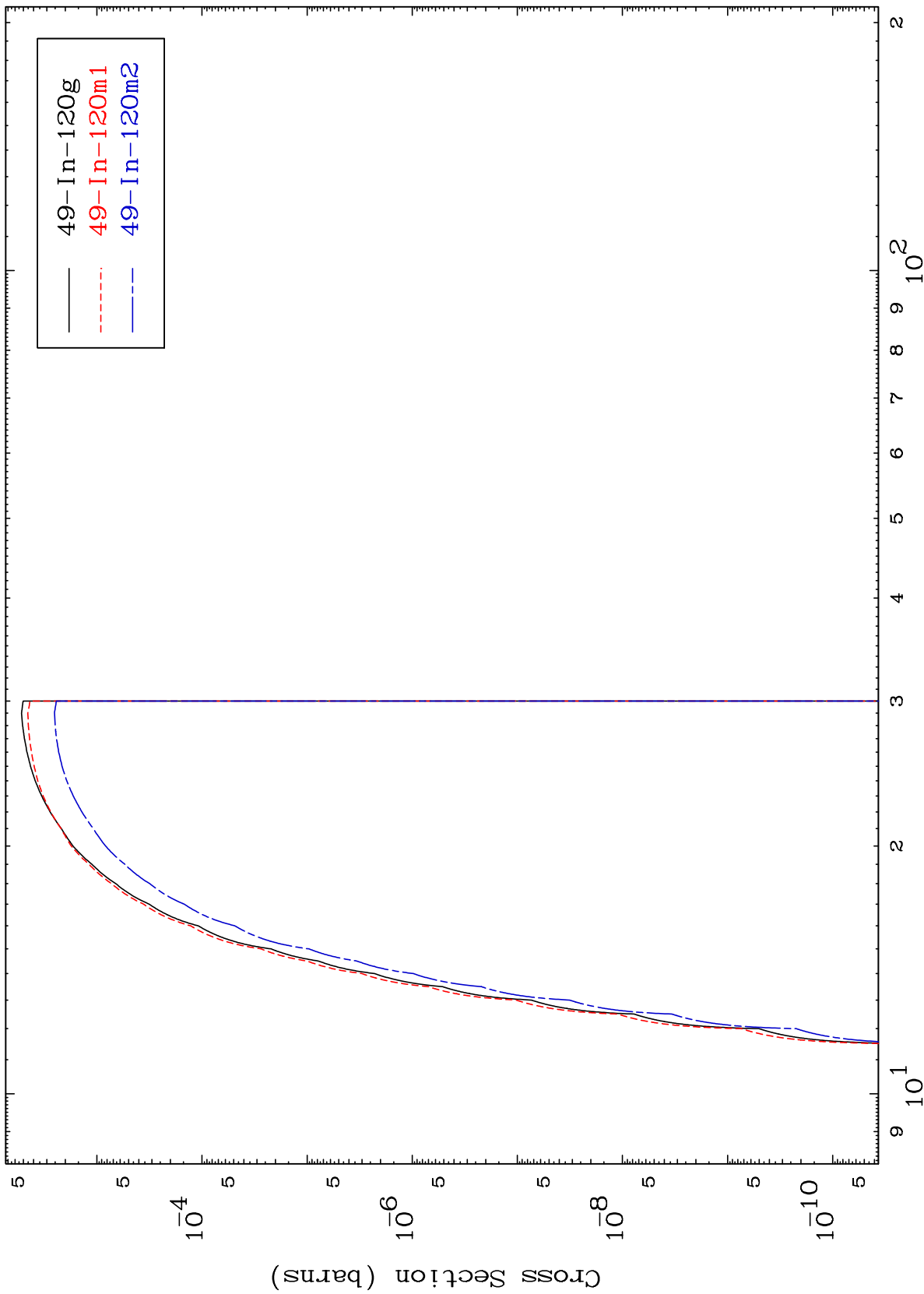
50-Sn-121

MAT 5053

(n,d)

50-Sn-121

Radionuclide Production Cross Section



31

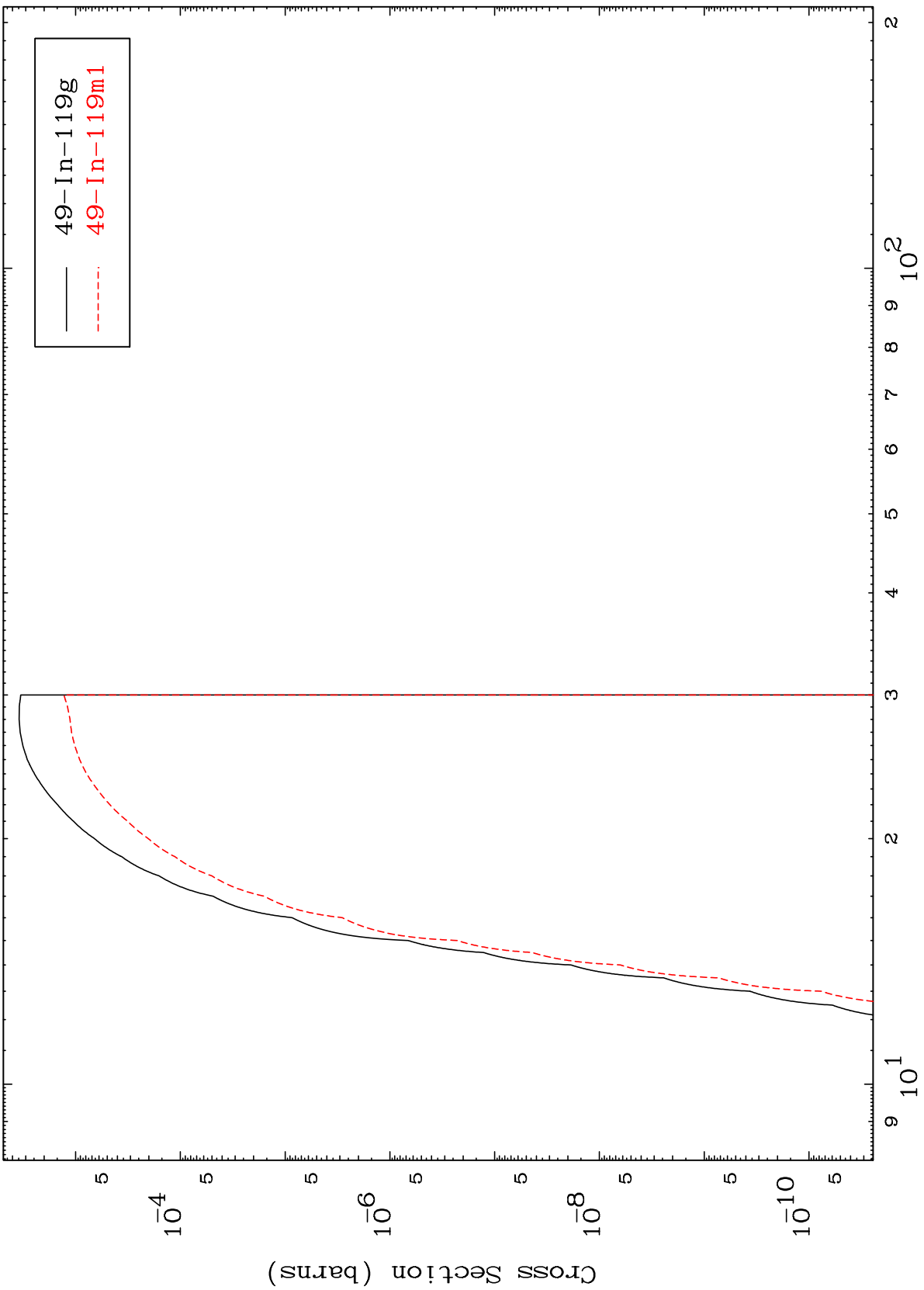
Incident Energy (MeV)

50-Sn-121

MAT 5053

50-Sn-121

(n,t)
Radionuclide Production Cross Section



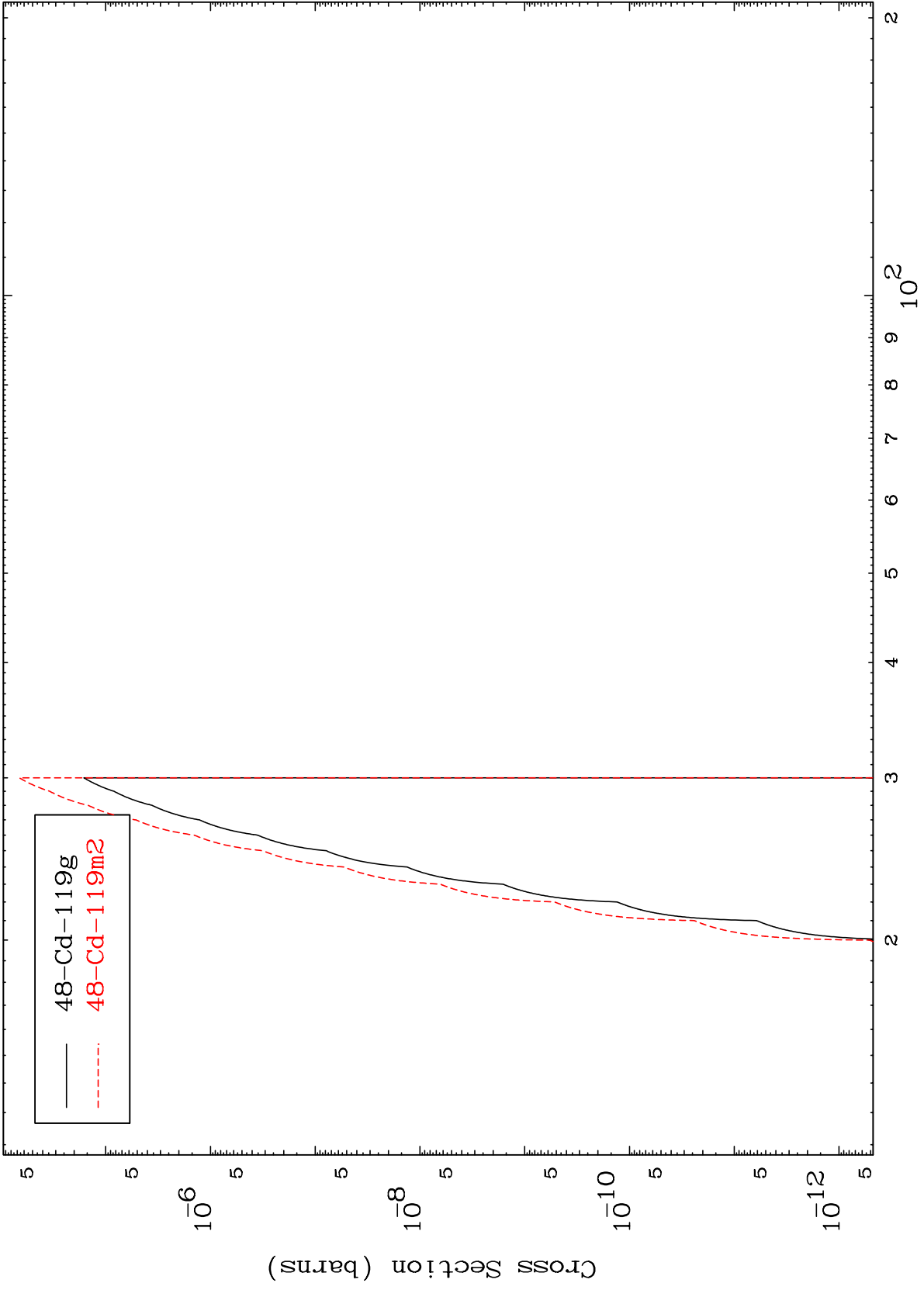
— 49-In-119g
- - - 49-In-119m1

32

Incident Energy (MeV)

50-Sn-121

Radionuclide Production Cross Section

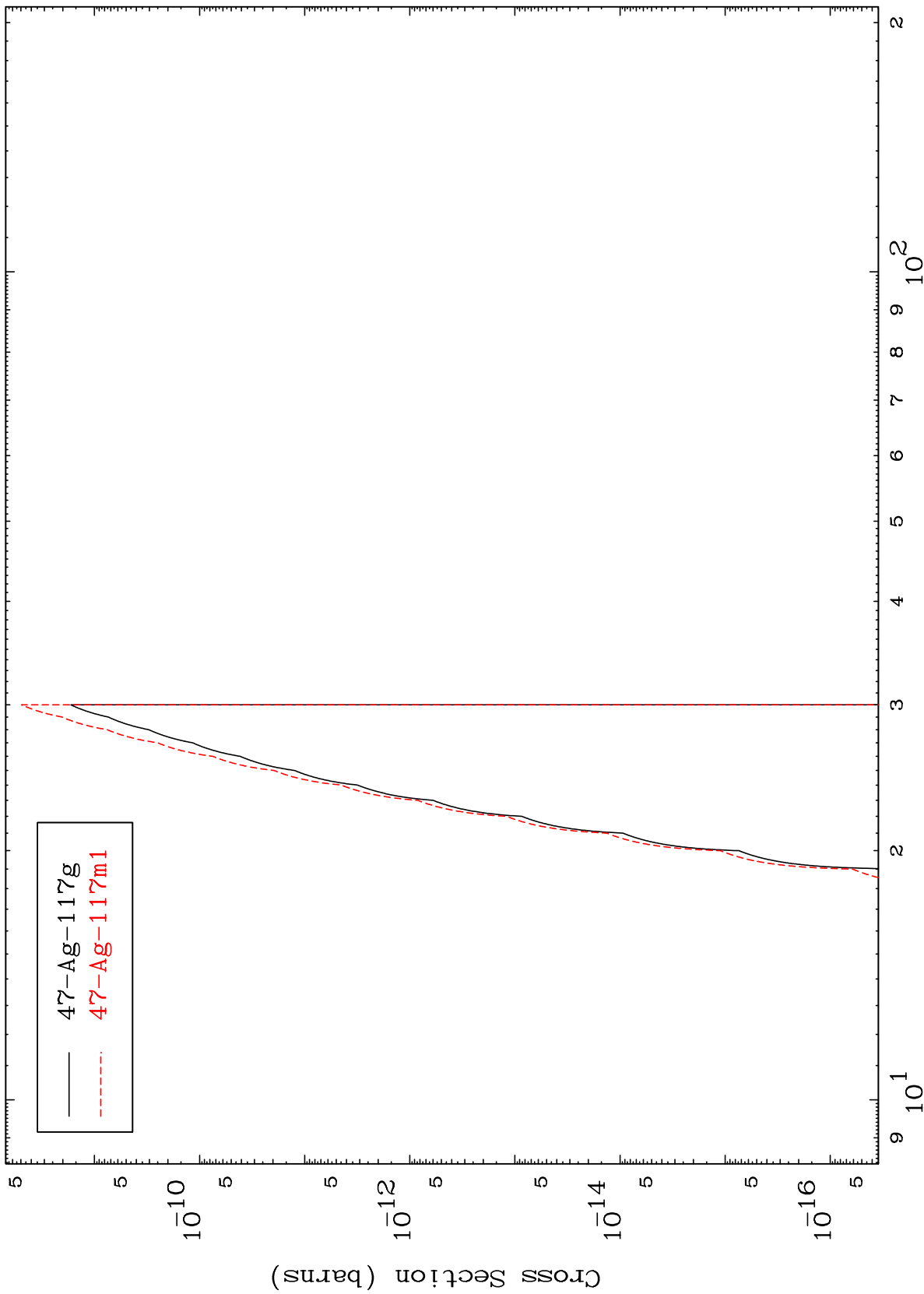


MAT 5053

(n,p) α

50-Sn-121

Radionuclide Production Cross Section



— 47-Ag-117g
- - - 47-Ag-117m1

34

Incident Energy (MeV)

50-Sn-121