

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

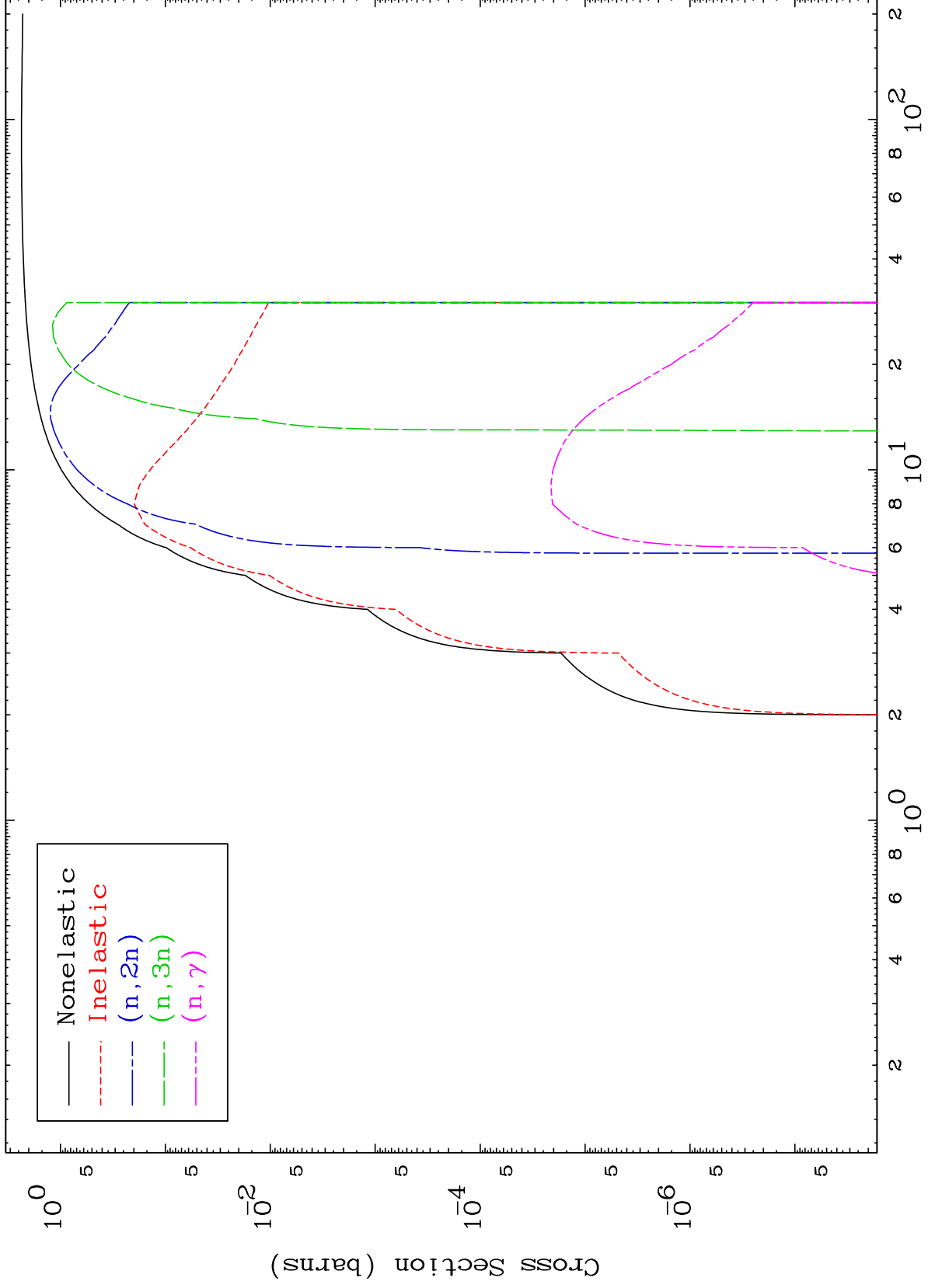
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

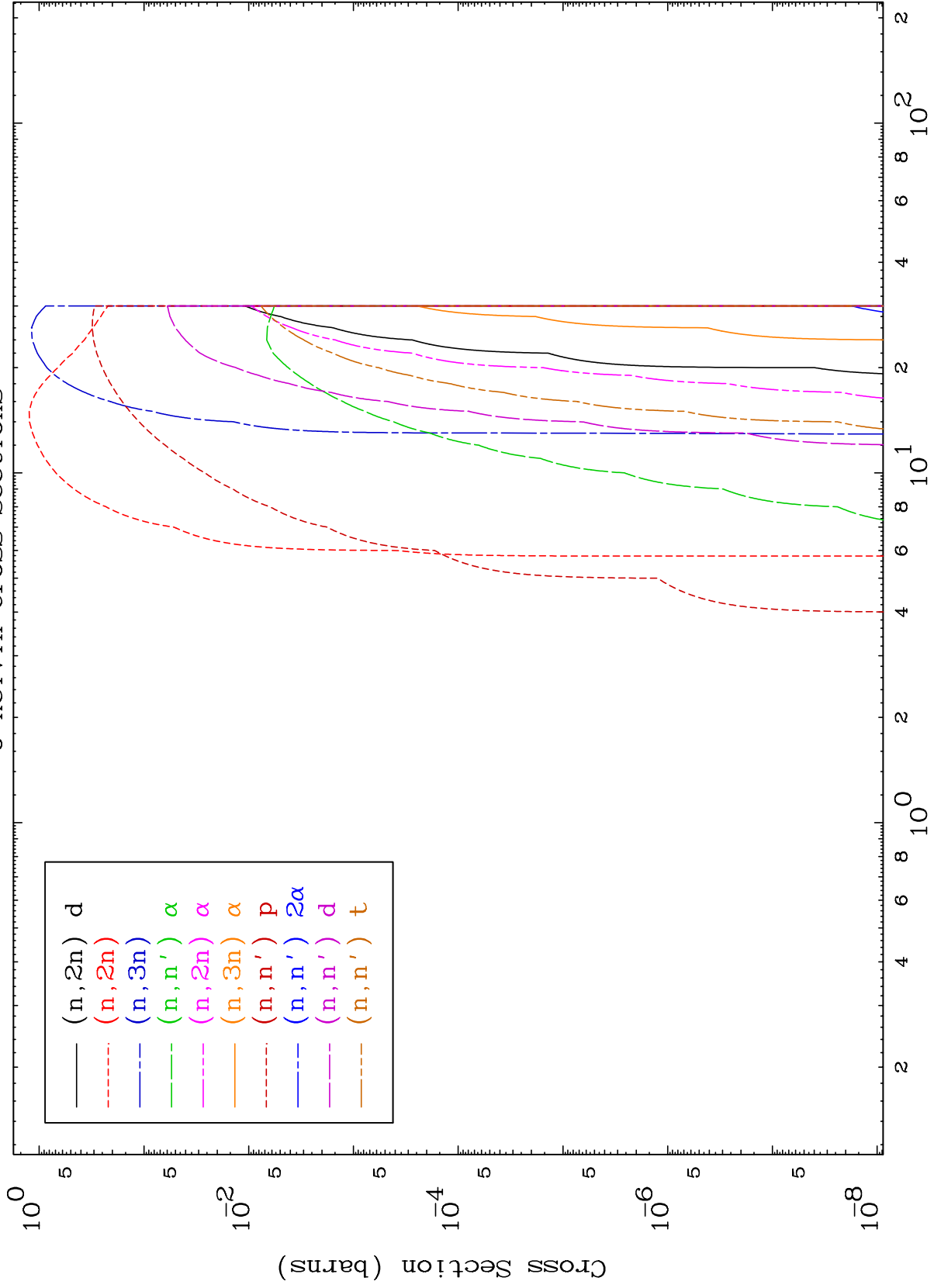
Press Mouse Button to Start



MAT 5049

Deuteron Neutron Absorption
0 Kelvin Cross Sections

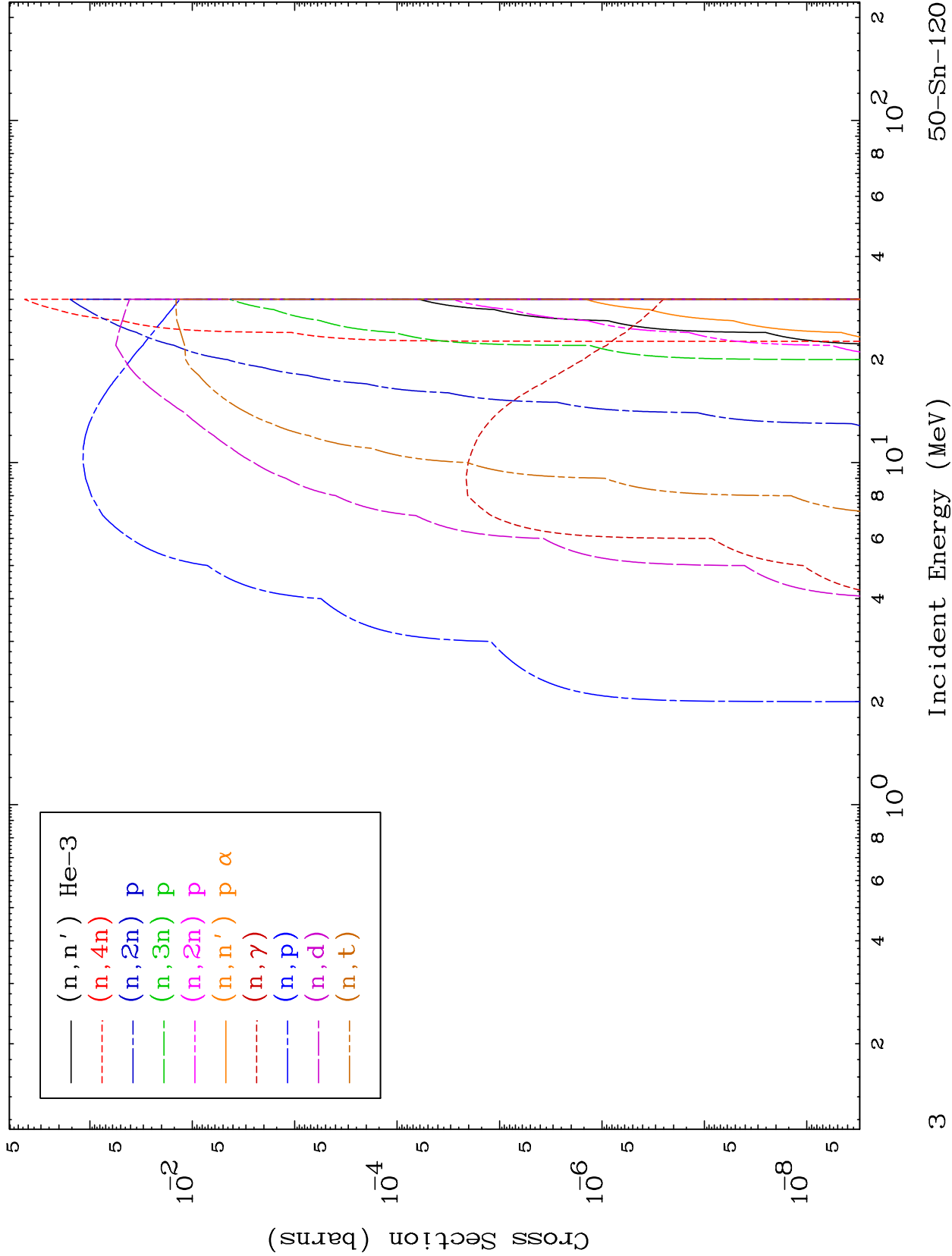
50-Sn-120



MAT 5049

Deuteron Neutron Absorption
0 Kelvin Cross Sections

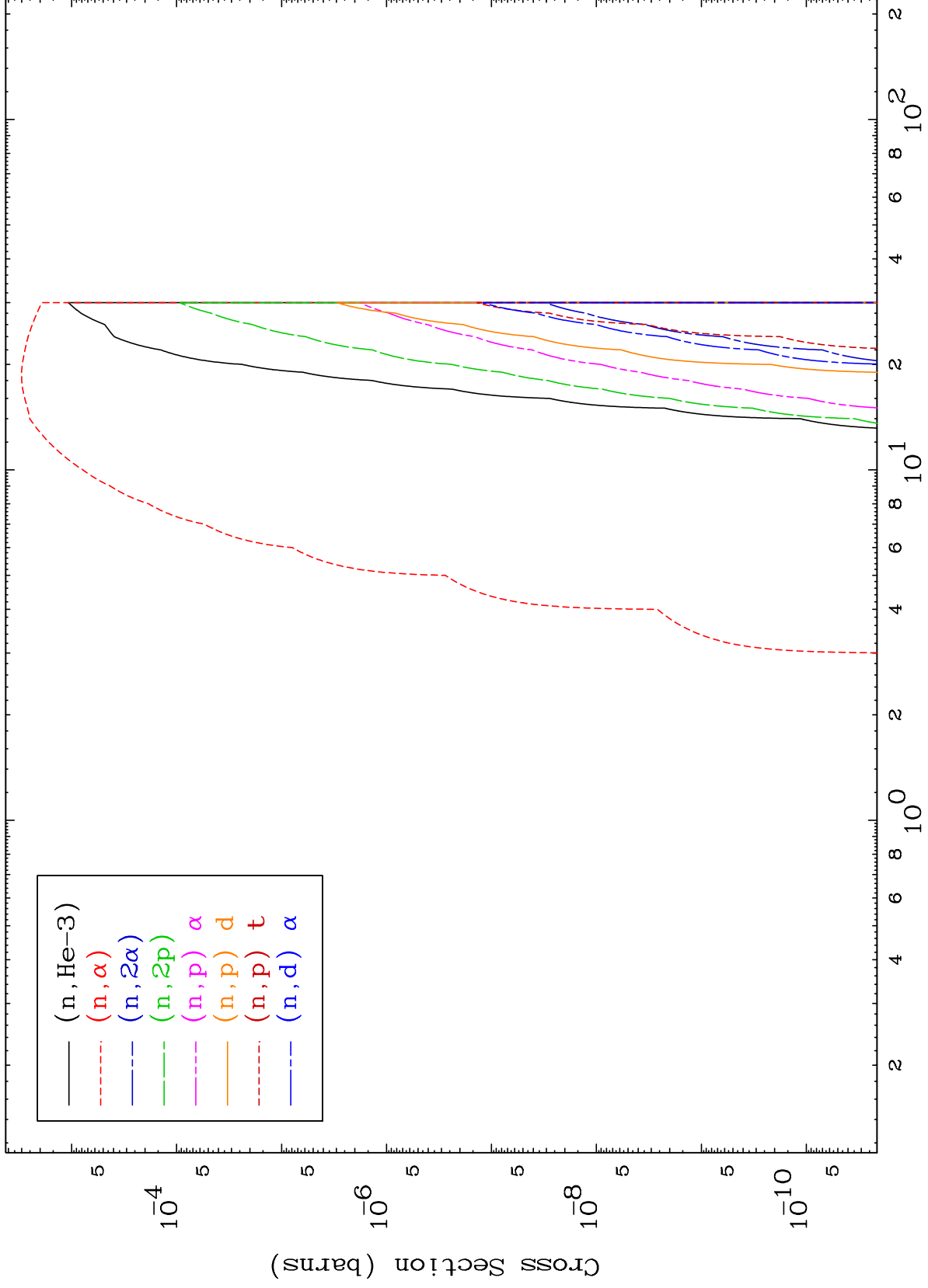
50-Sn-120



MAT 5049

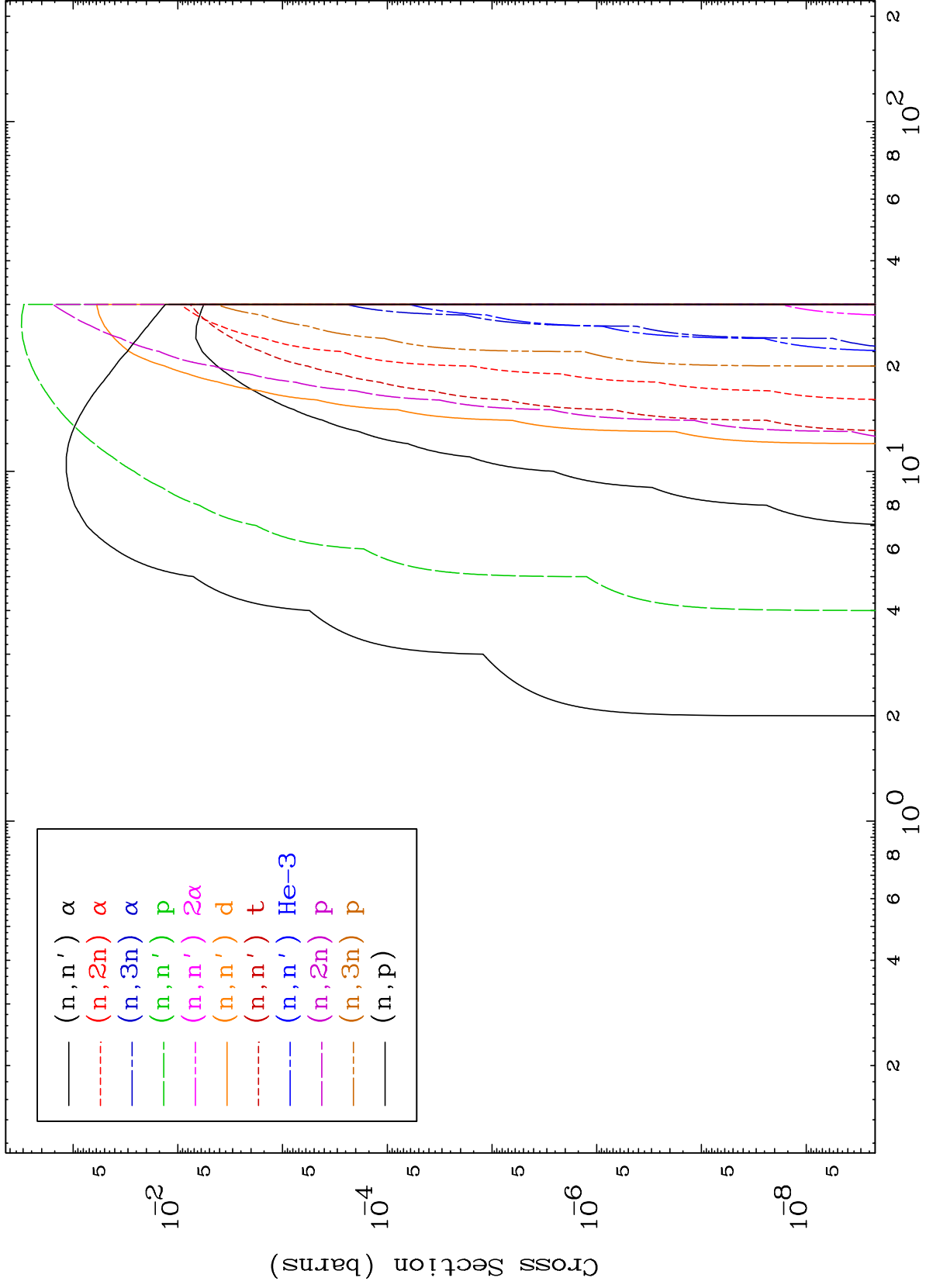
Deuteron Neutron Absorption
0 Kelvin Cross Sections

50-Sn-120



50-Sn-120

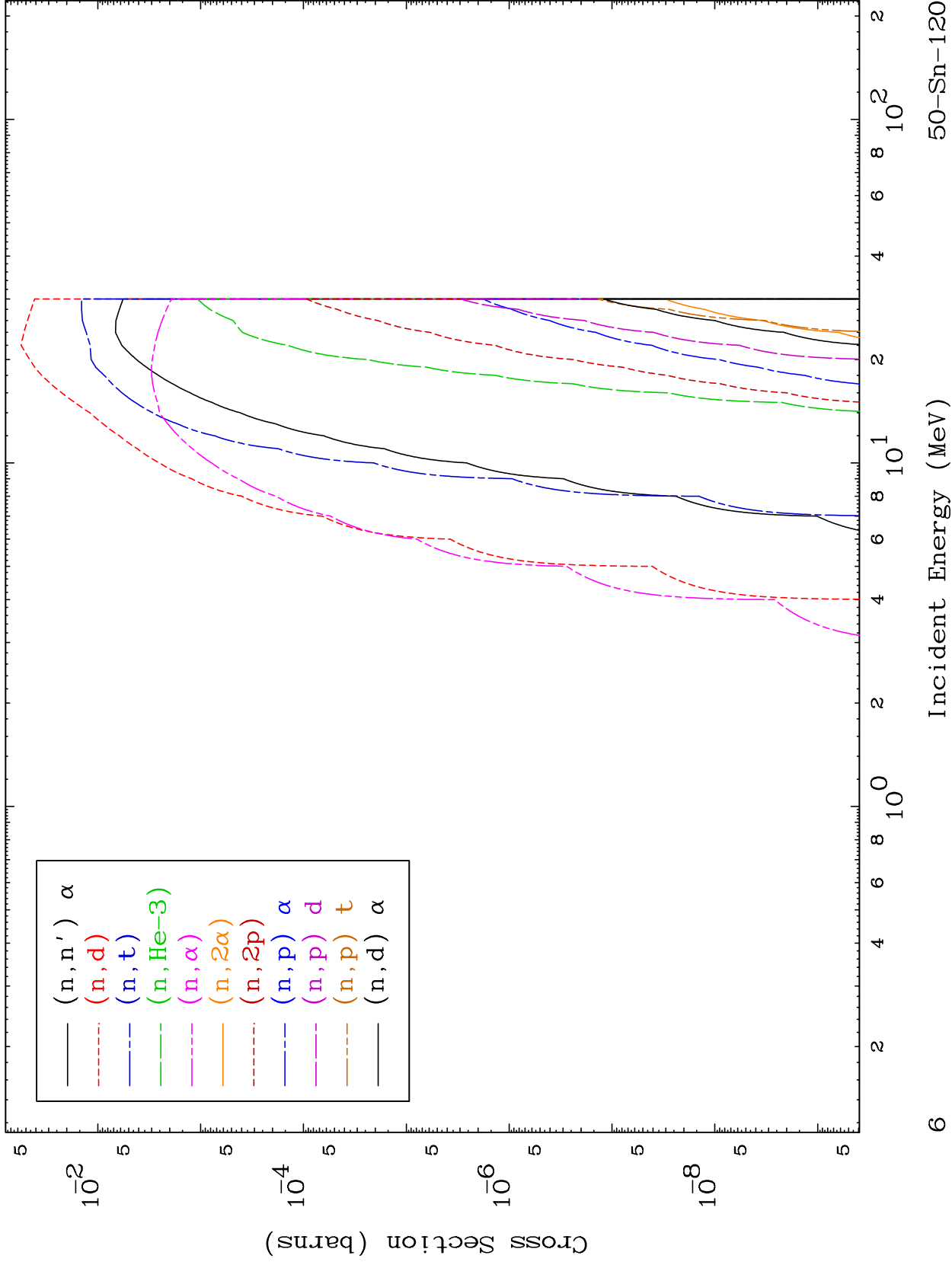
Incident Energy (MeV)



MAT 5049

Deuteron Charged Particle
0 Kelvin Cross Sections

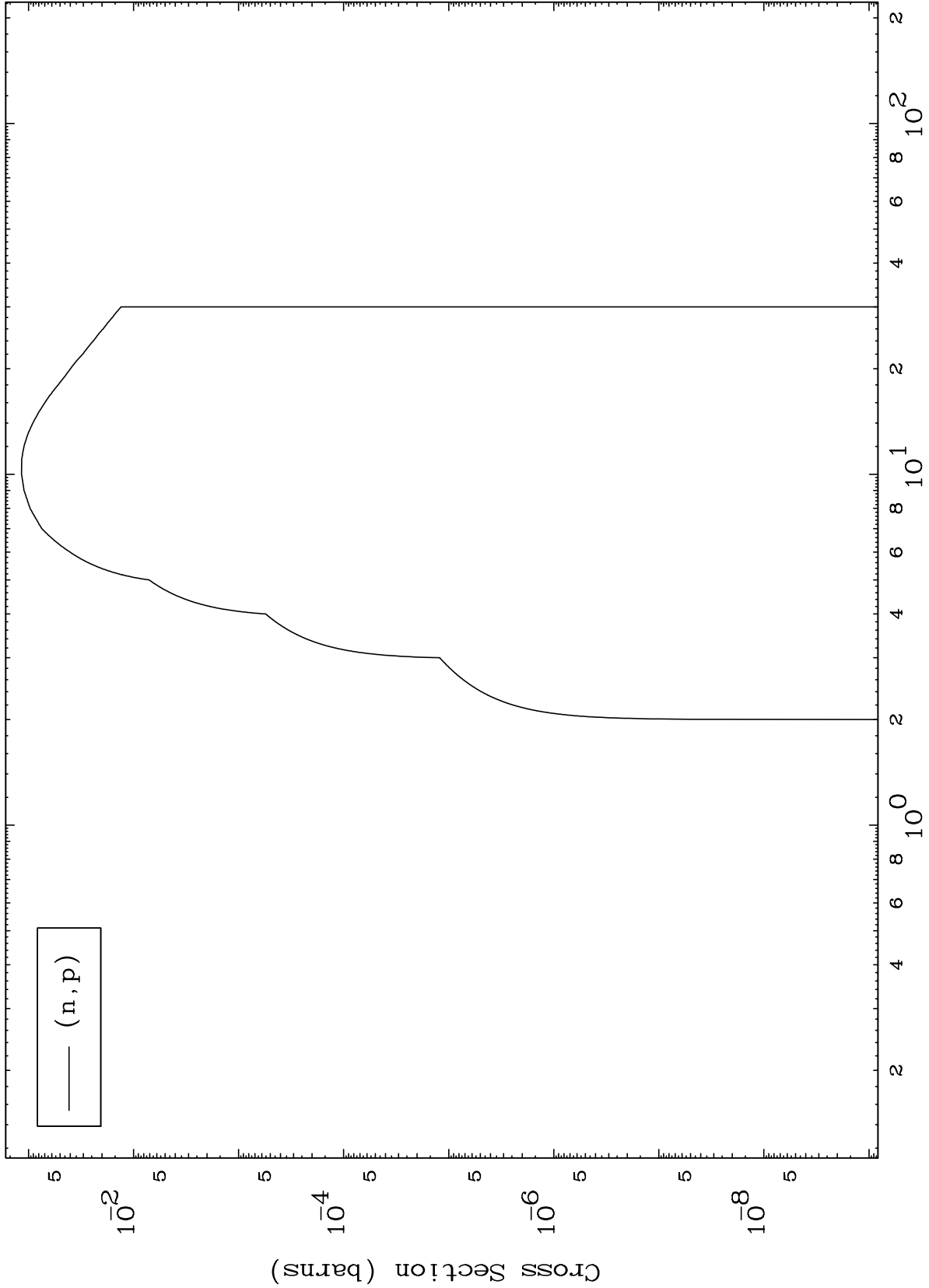
50-Sn-120



MAT 5049

50-Sn-120

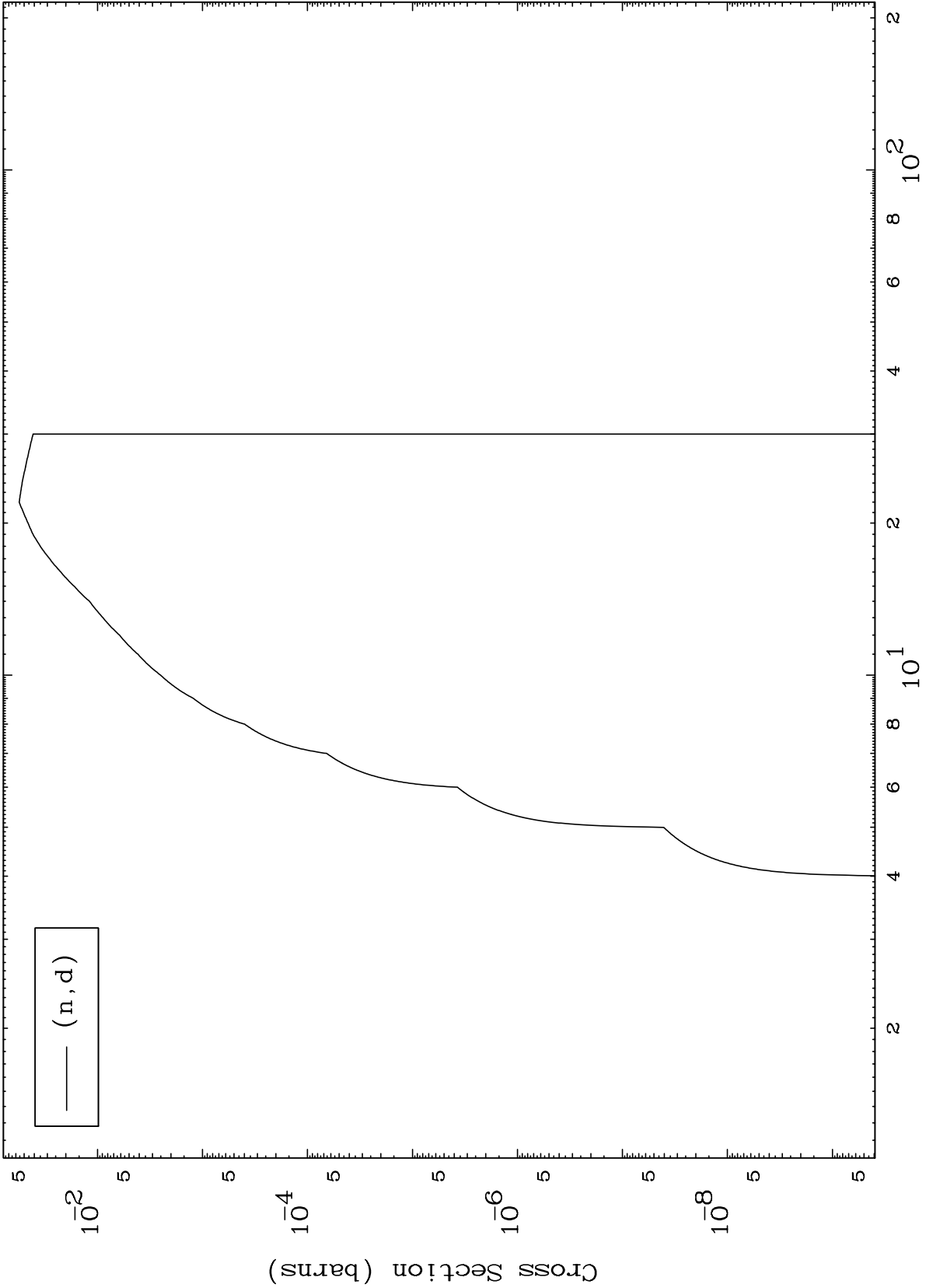
(d,p) Levels
0 Kelvin Cross Sections



MAT 5049

(d,d) Levels
0 Kelvin Cross Sections

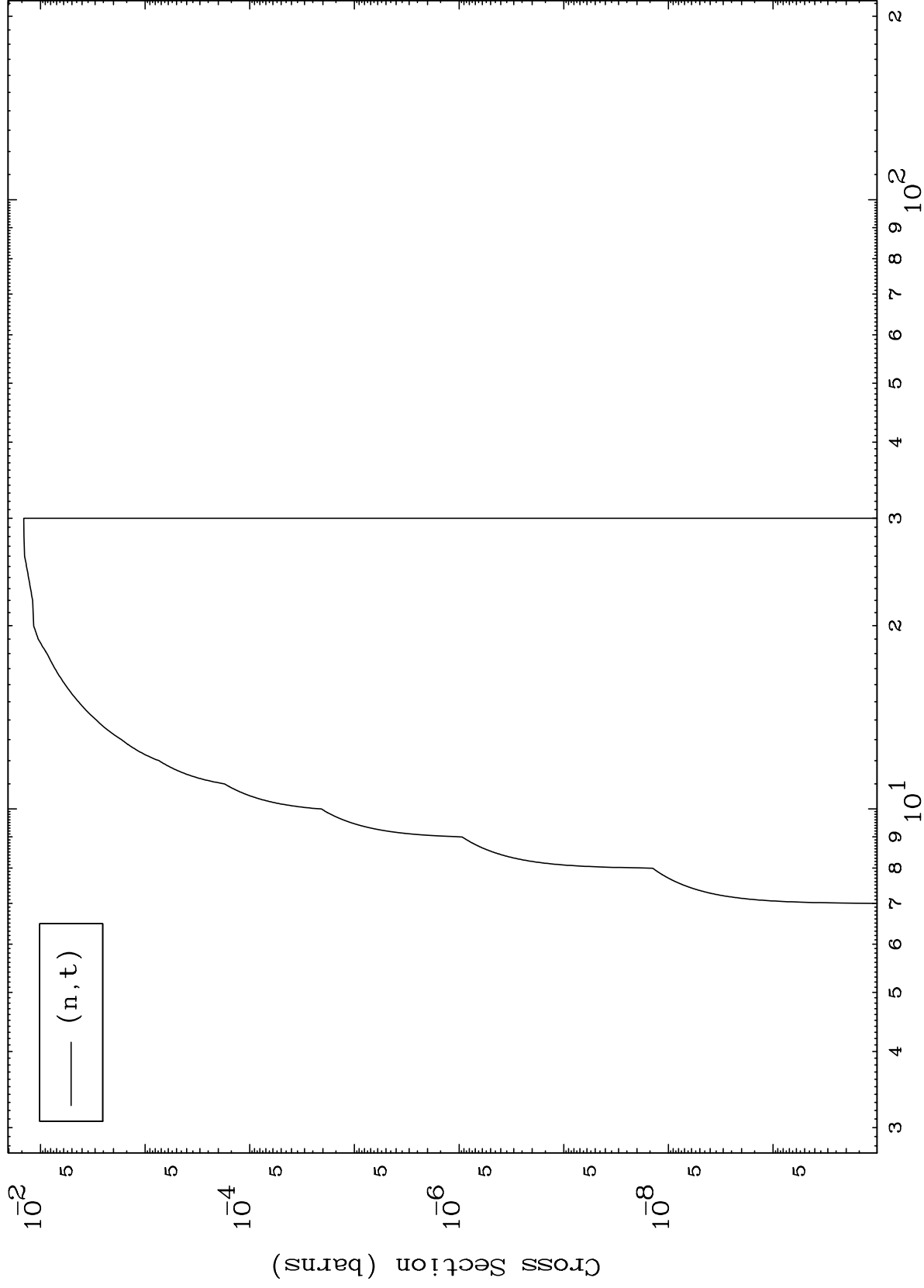
50-Sn-120



MAT 5049

(d,t) Levels
0 Kelvin Cross Sections

50-Sn-120



9

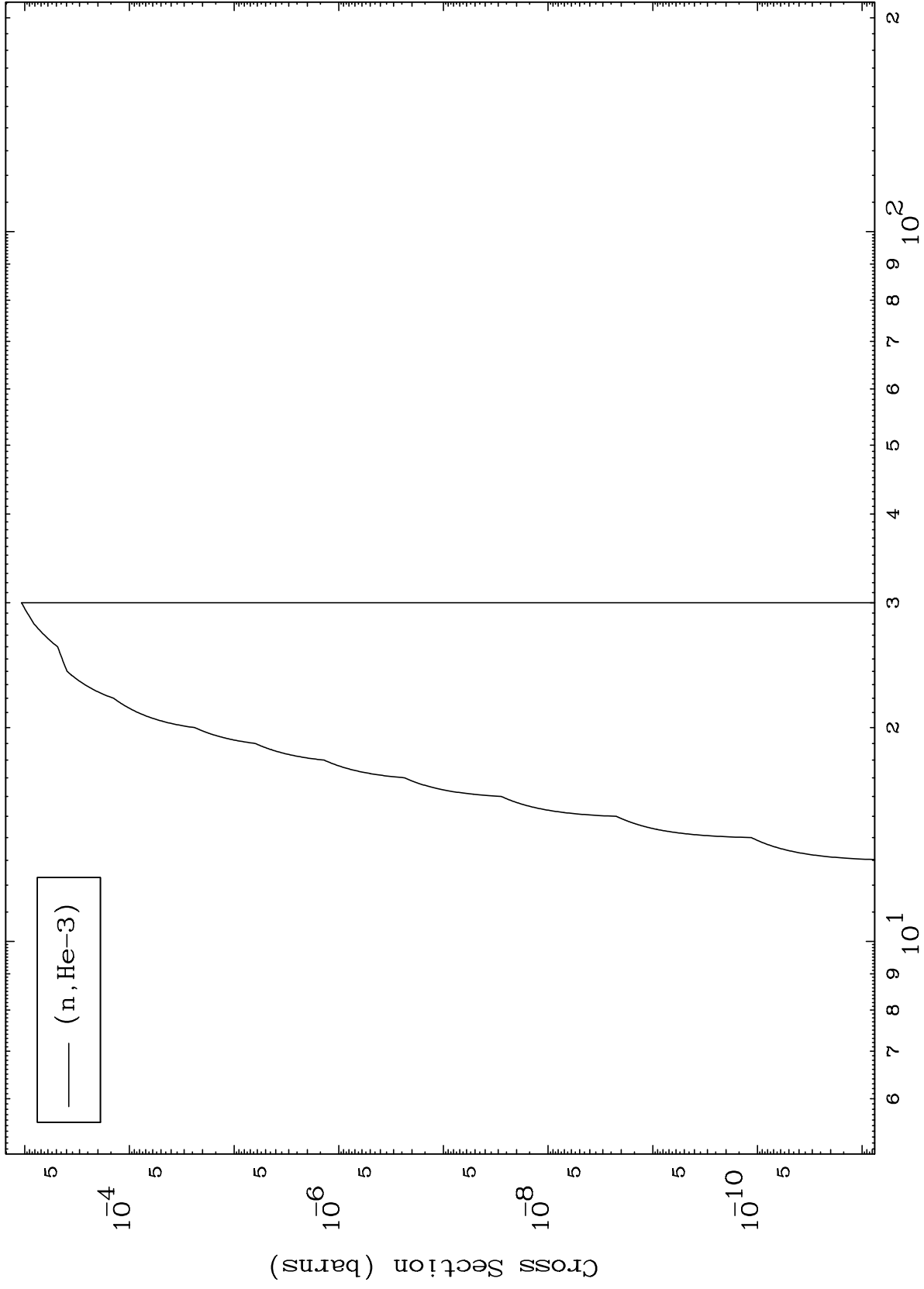
Incident Energy (MeV)

50-Sn-120

MAT 5049

(d,He3) Levels
0 Kelvin Cross Sections

50-Sn-120



10

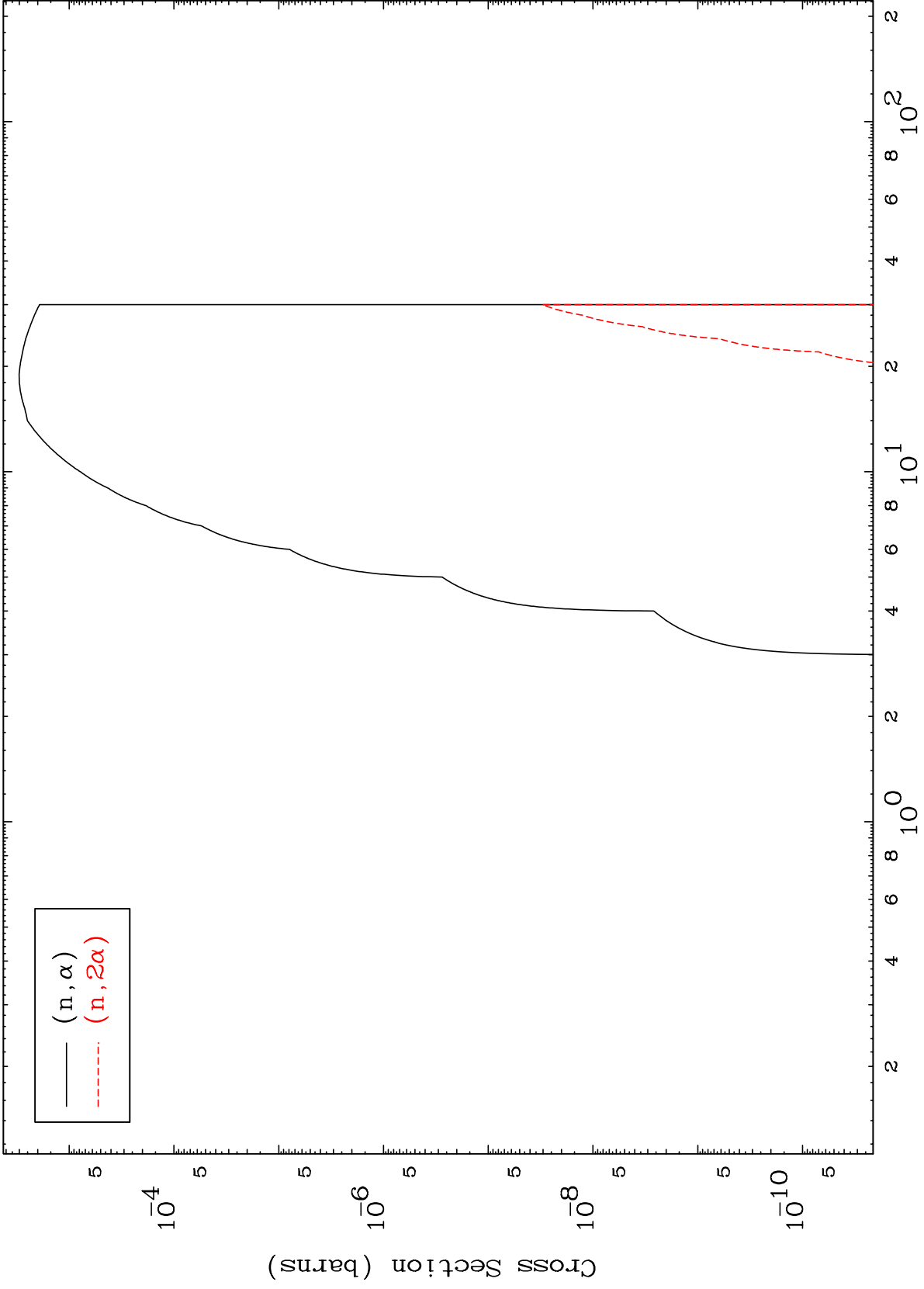
Incident Energy (MeV)

50-Sn-120

MAT 5049

(d, α) Levels
0 Kelvin Cross Sections

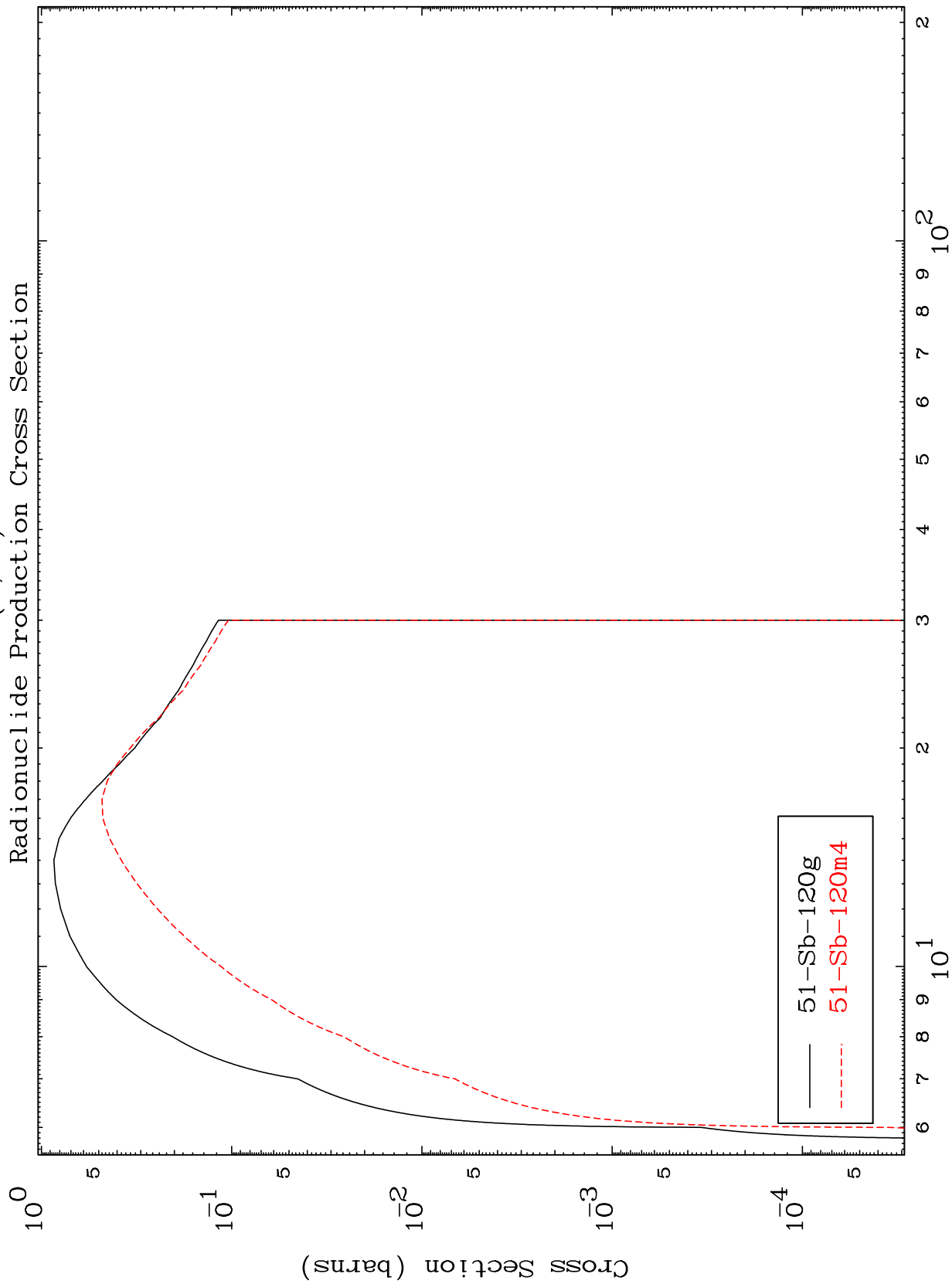
50-Sn-120



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50-Sn-120

Radionuclide Production Cross Section
(n,2n)



50-Sn-120

Incident Energy (MeV)

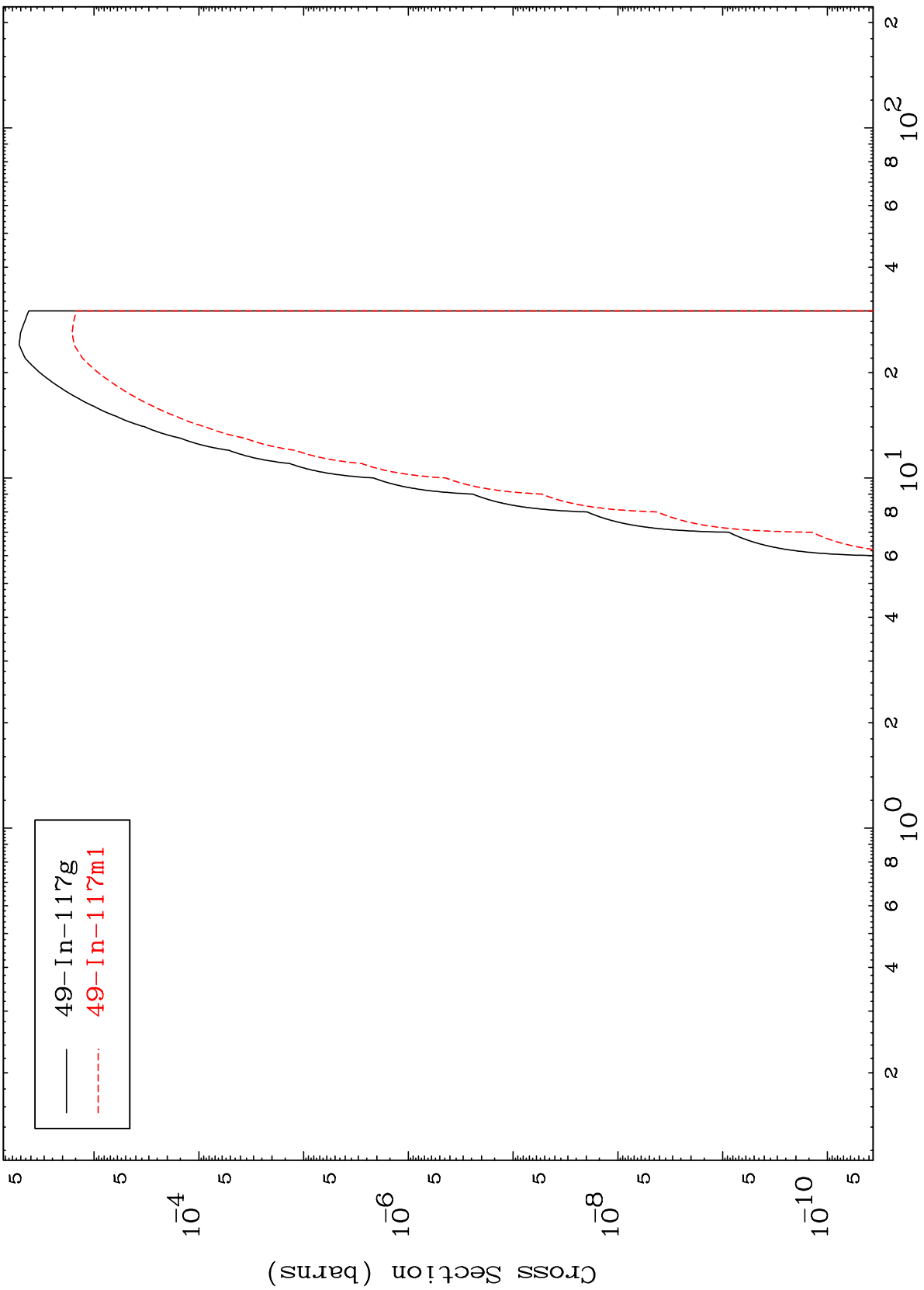
12

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$(n, n') \alpha$

50-Sn-120

Radionuclide Production Cross Section



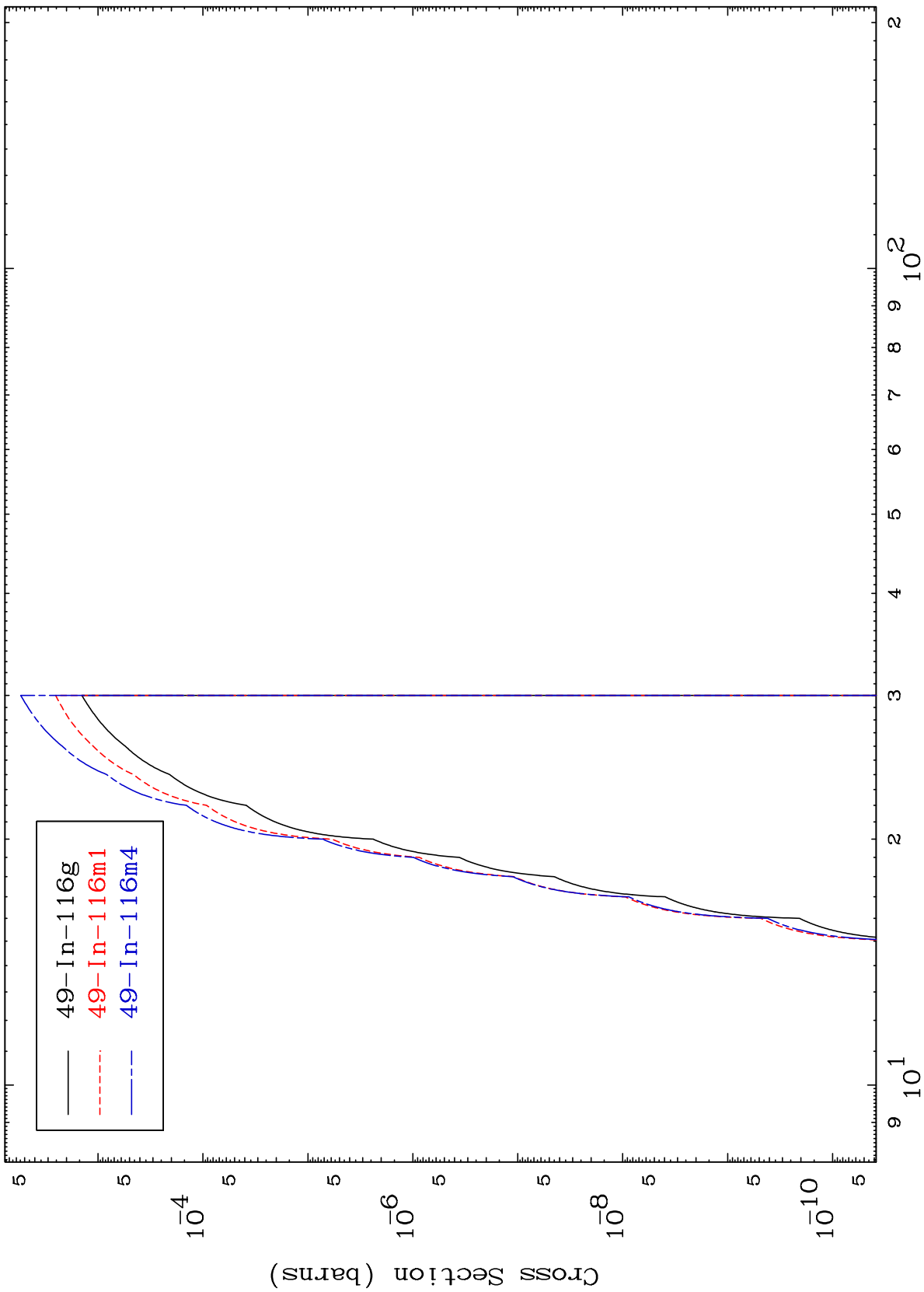
— 49-In-117g
- - - 49-In-117m1

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50-Sn-120

(n,2n) α

Radionuclide Production Cross Section



14

Incident Energy (MeV)

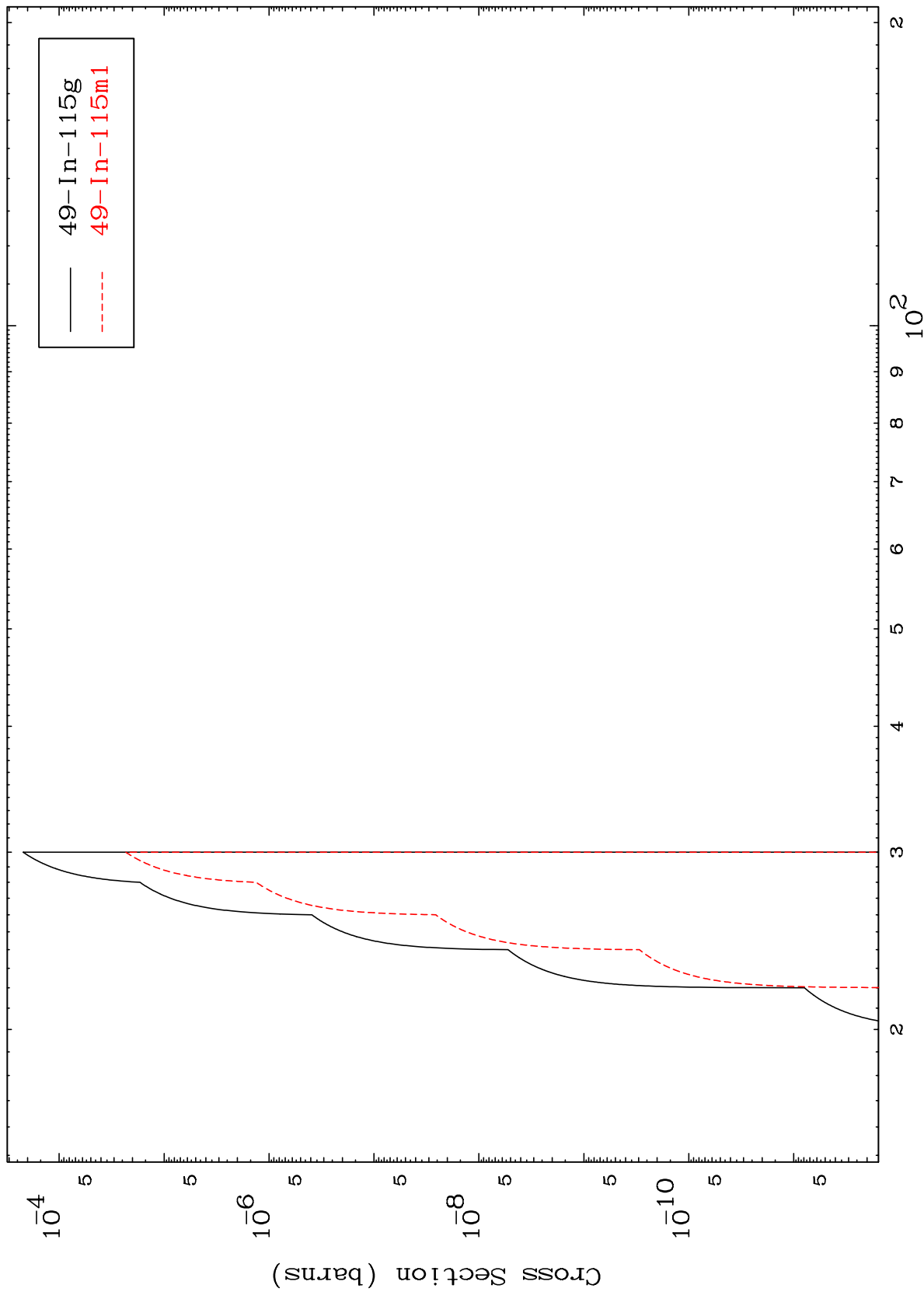
50-Sn-120

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(n,3n) α

50-Sn-120

Radionuclide Production Cross Section



15

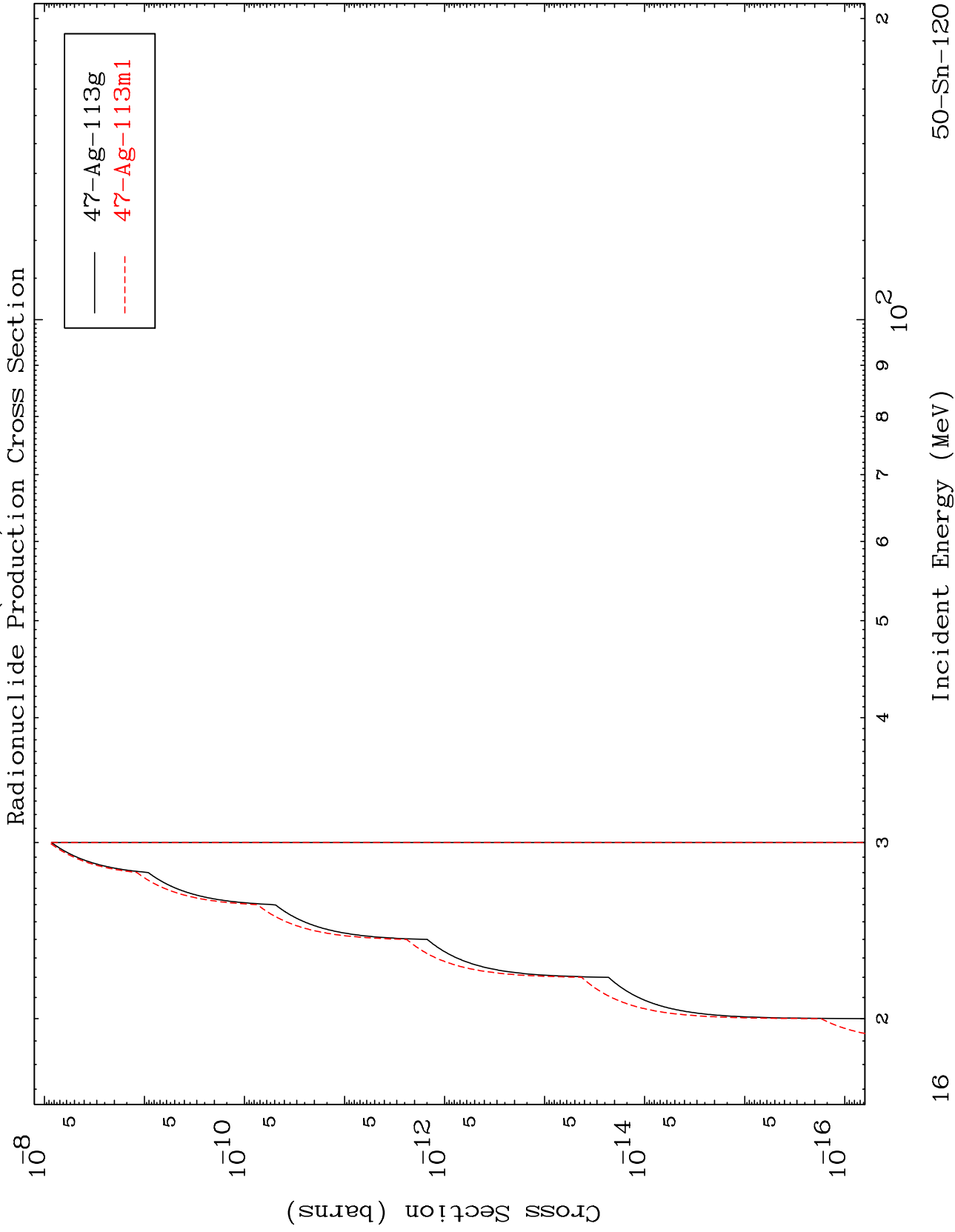
Incident Energy (MeV)

50-Sn-120

MAT 5049

(n,n') 2 α

50-Sn-120



16

Incident Energy (MeV)

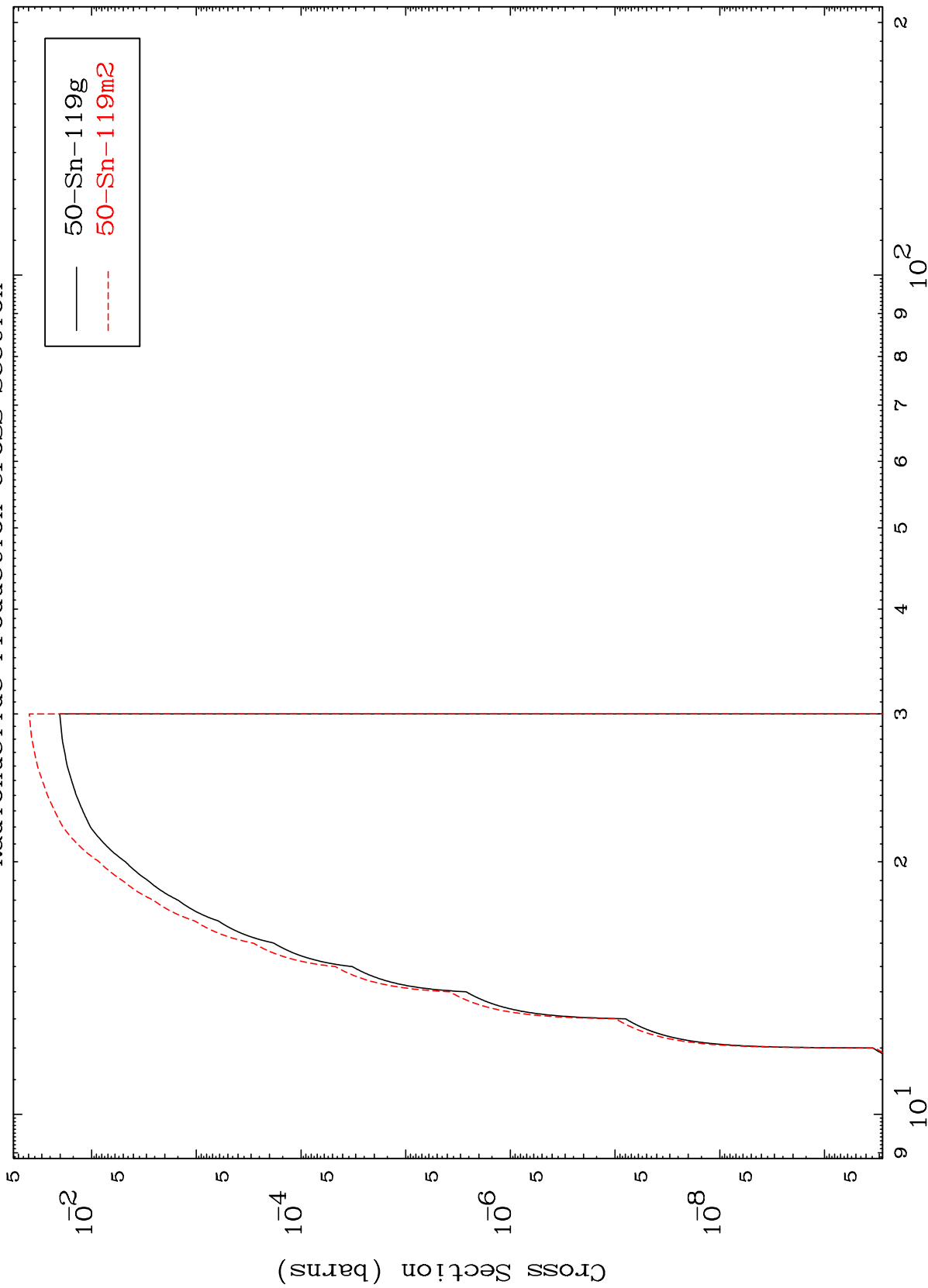
50-Sn-120

MAT 5049

(n,n') d

50-Sn-120

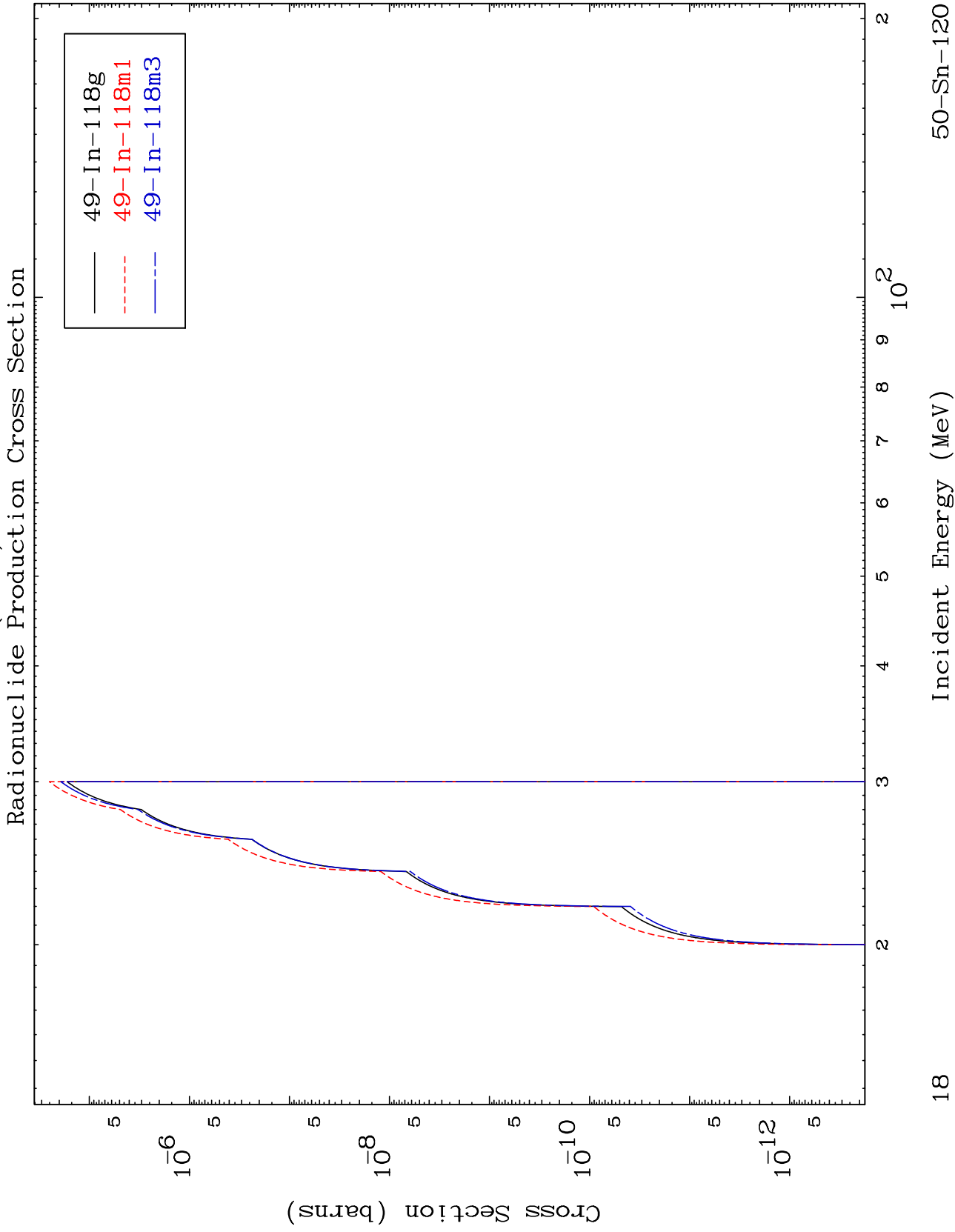
Radionuclide Production Cross Section



17

Incident Energy (MeV)

50-Sn-120

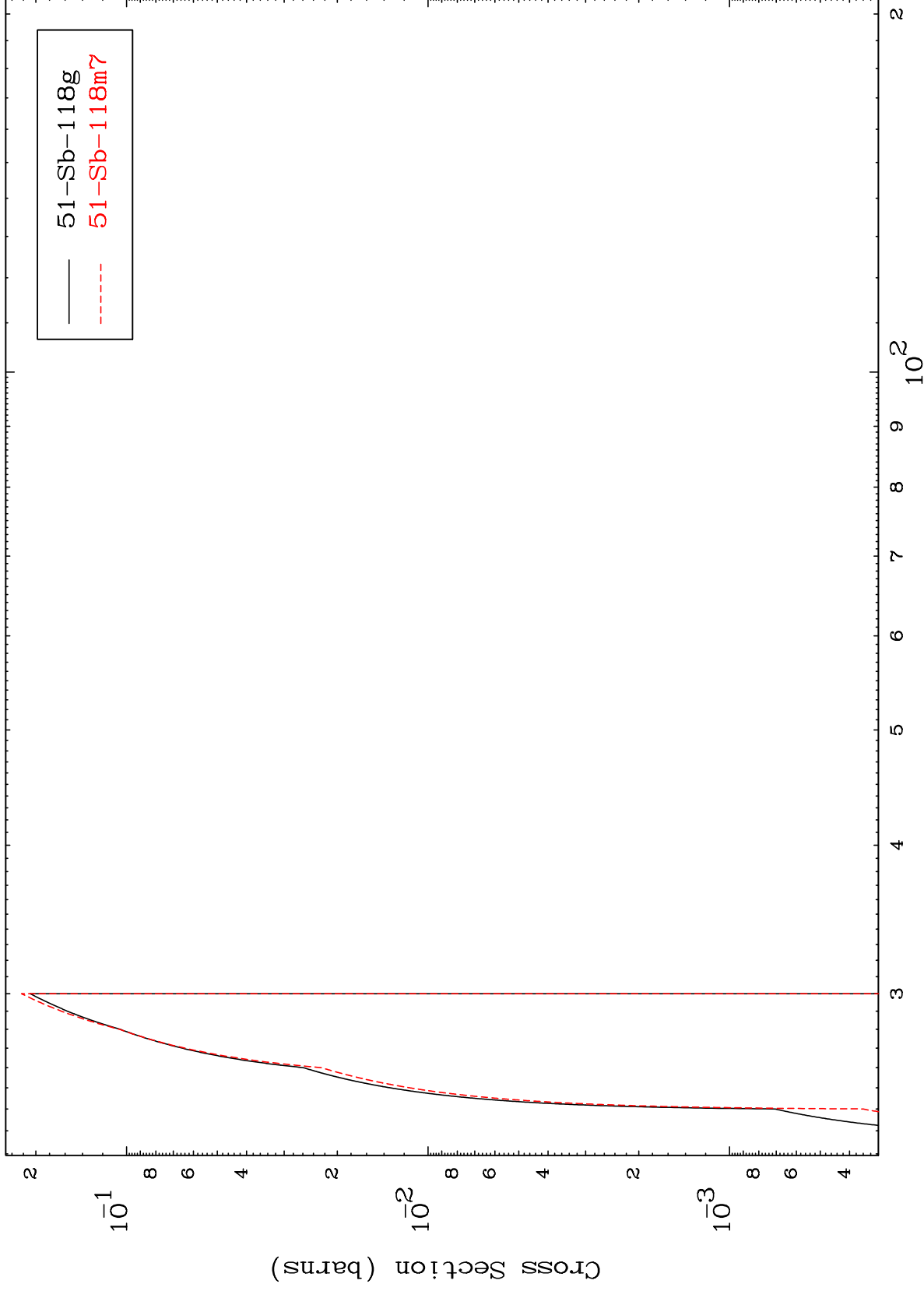


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(n,4n)

50-Sn-120

Radionuclide Production Cross Section



19

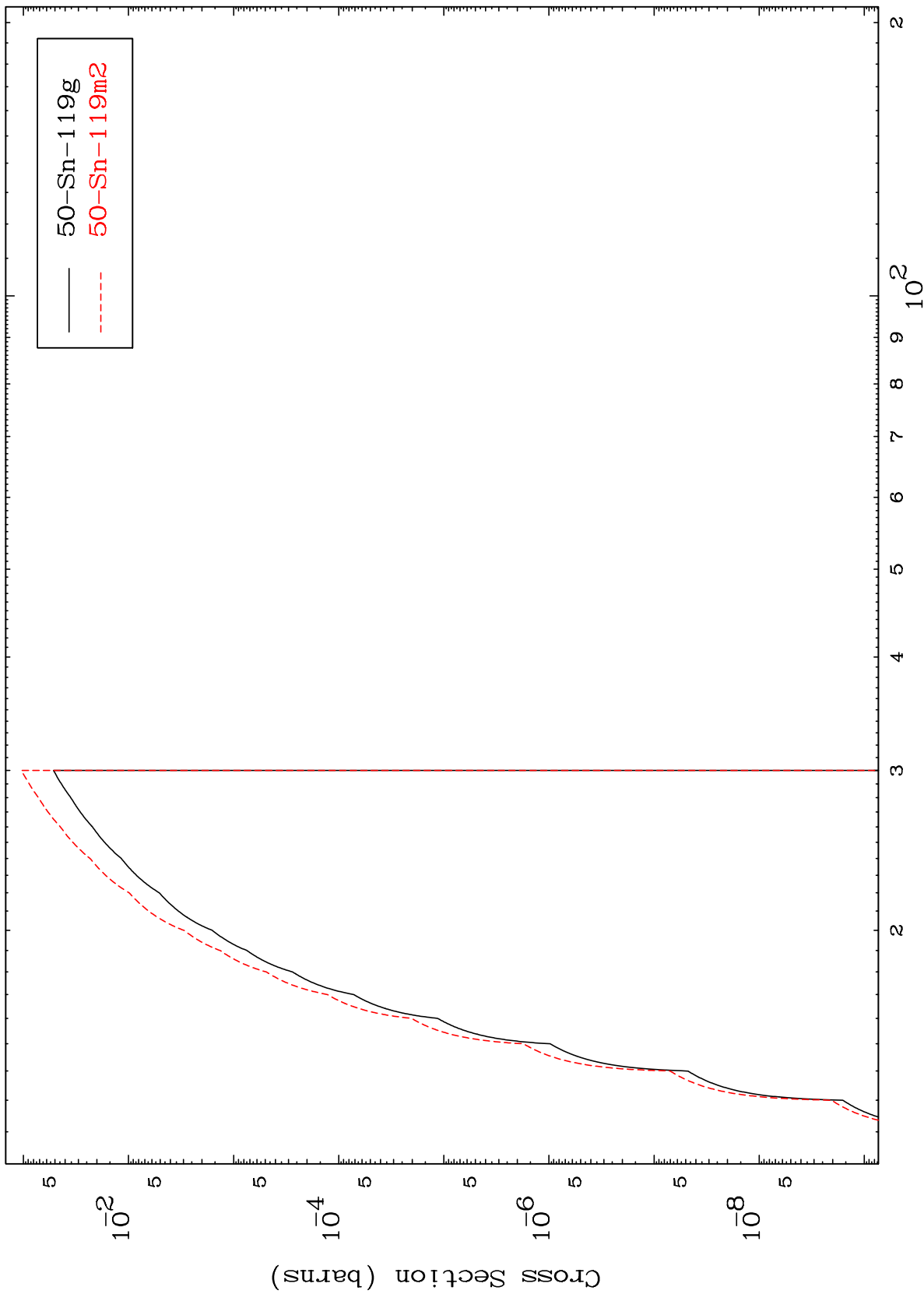
Incident Energy (MeV)

50-Sn-120

MAT 5049

50-Sn-120

(n,2n) p
Radionuclide Production Cross Section



50-Sn-119g
50-Sn-119m2

50-Sn-120

Incident Energy (MeV)

20

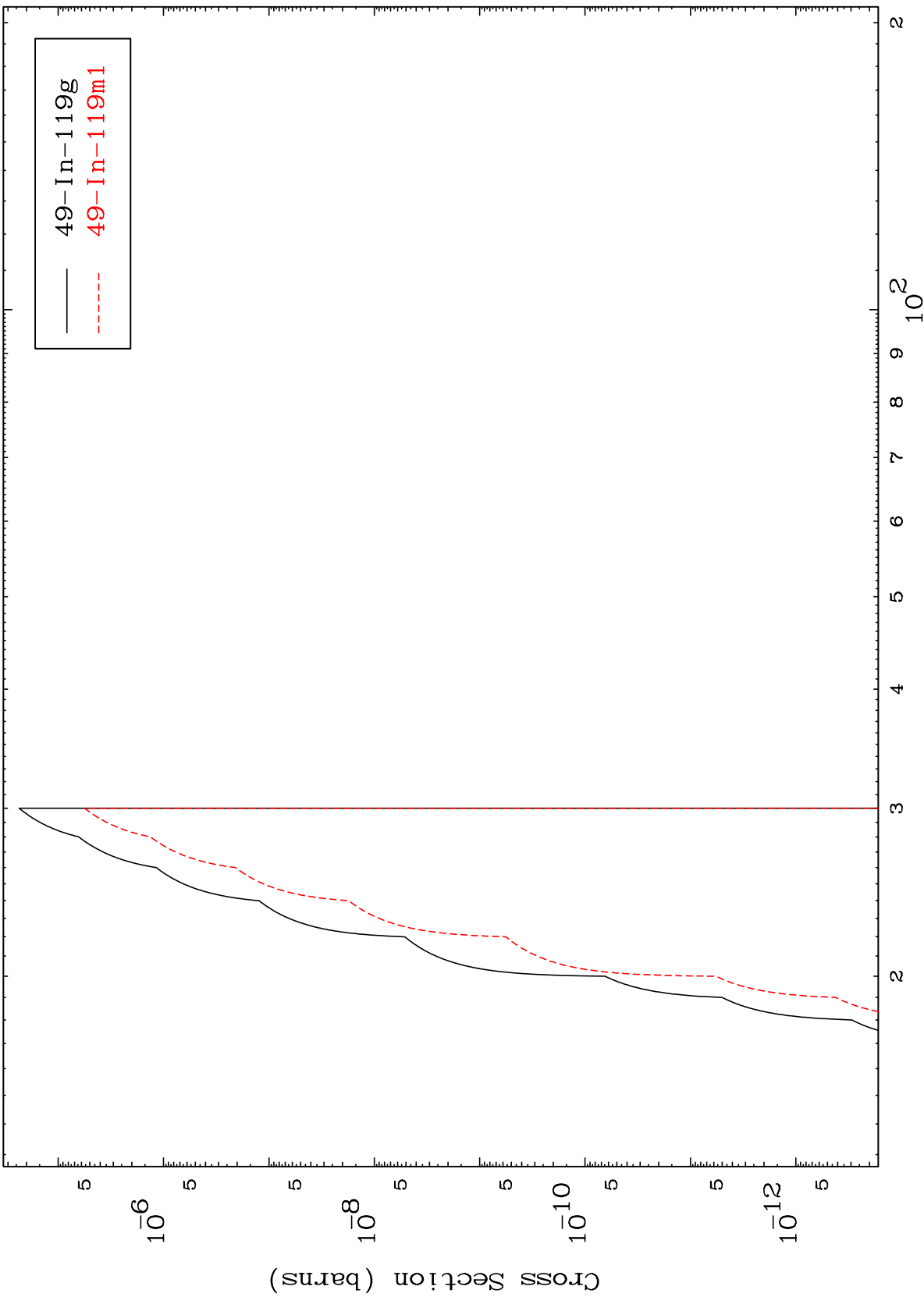
10²

MAT 5049

(n,2n) p

50-Sn-120

Radionuclide Production Cross Section

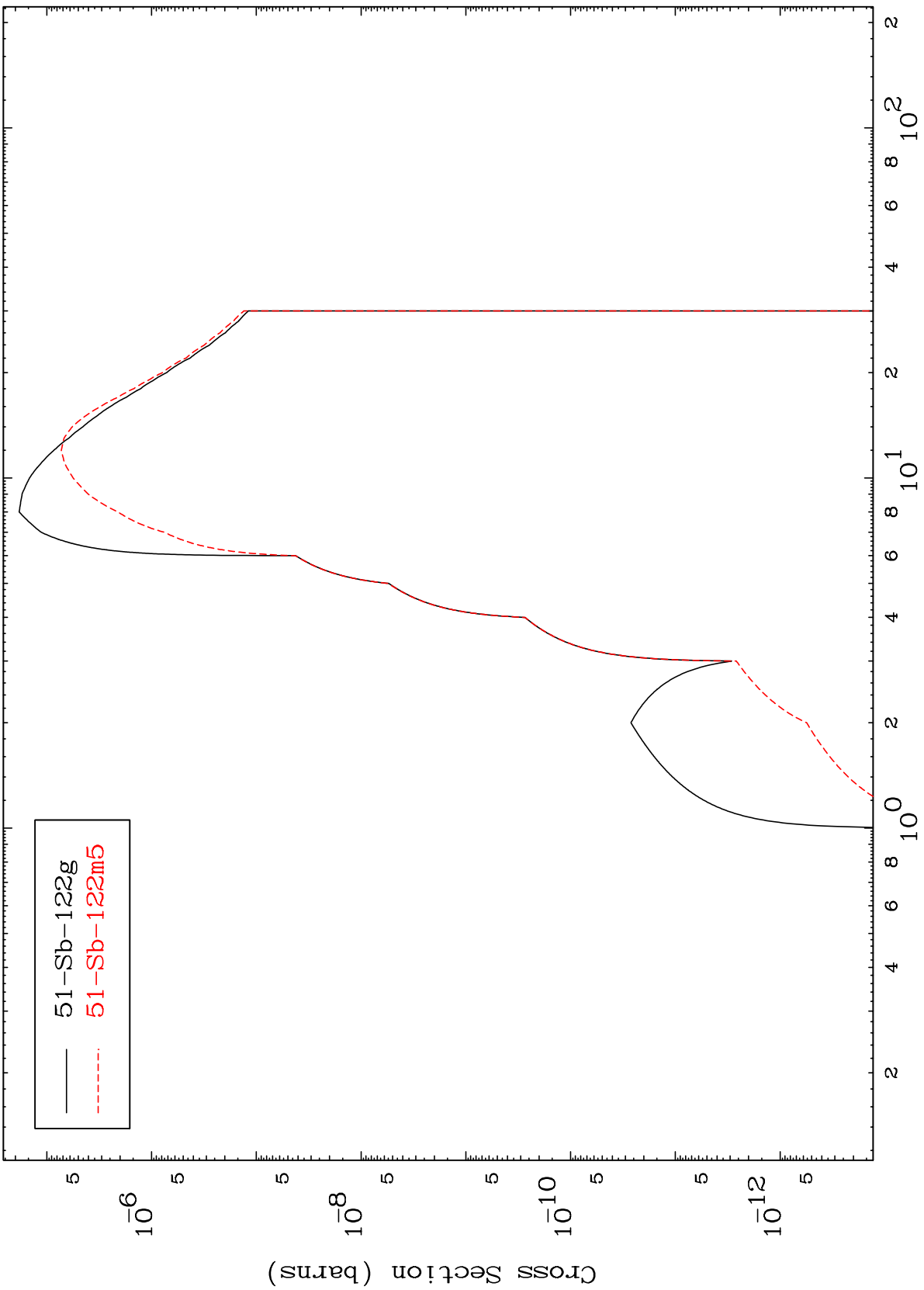


49-In-119g
49-In-119m1

MAT 5049

50-Sn-120

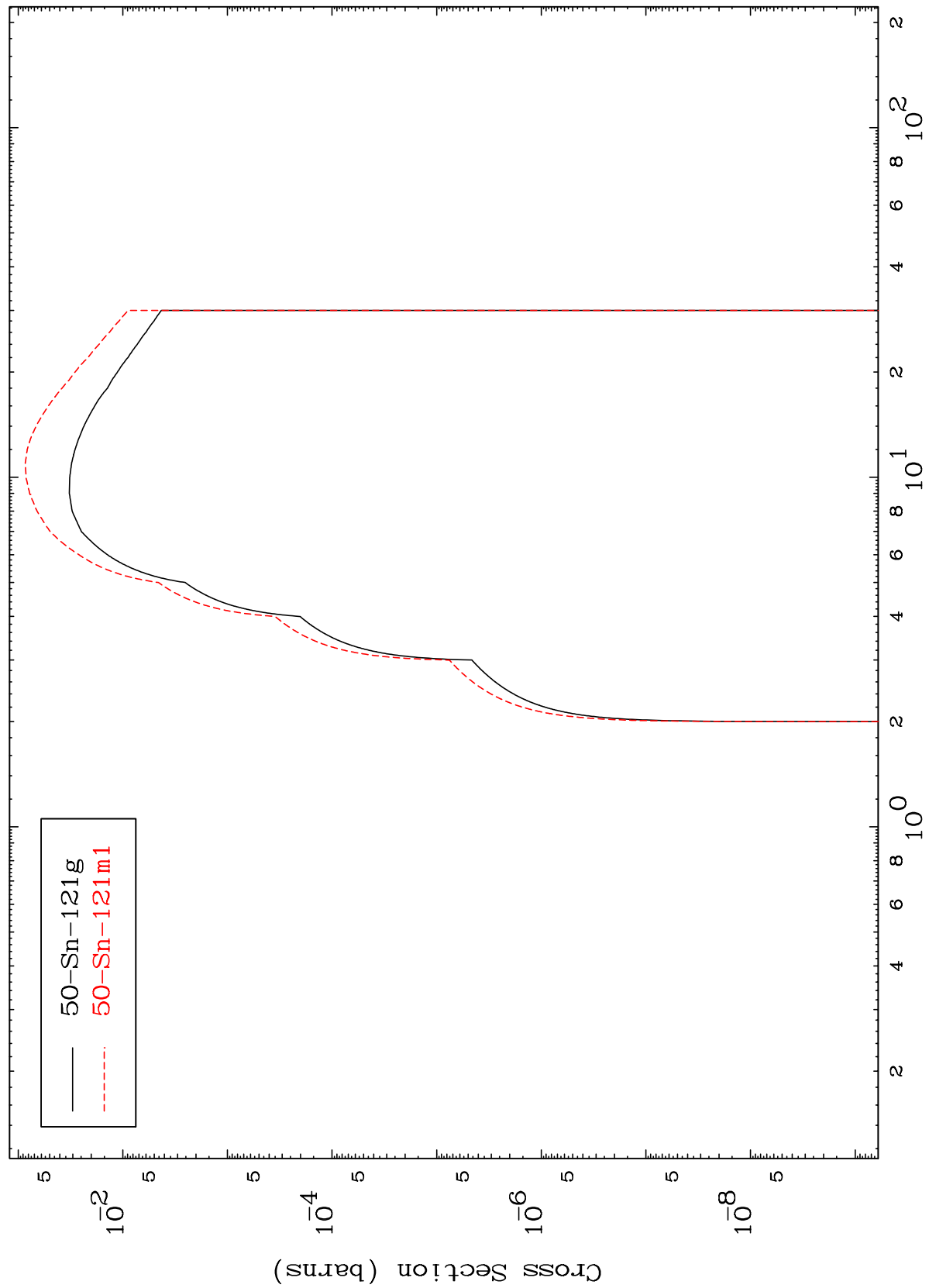
(n, γ)
Radionuclide Production Cross Section



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50-Sn-120

(n,p)
Radionuclide Production Cross Section



50-Sn-120

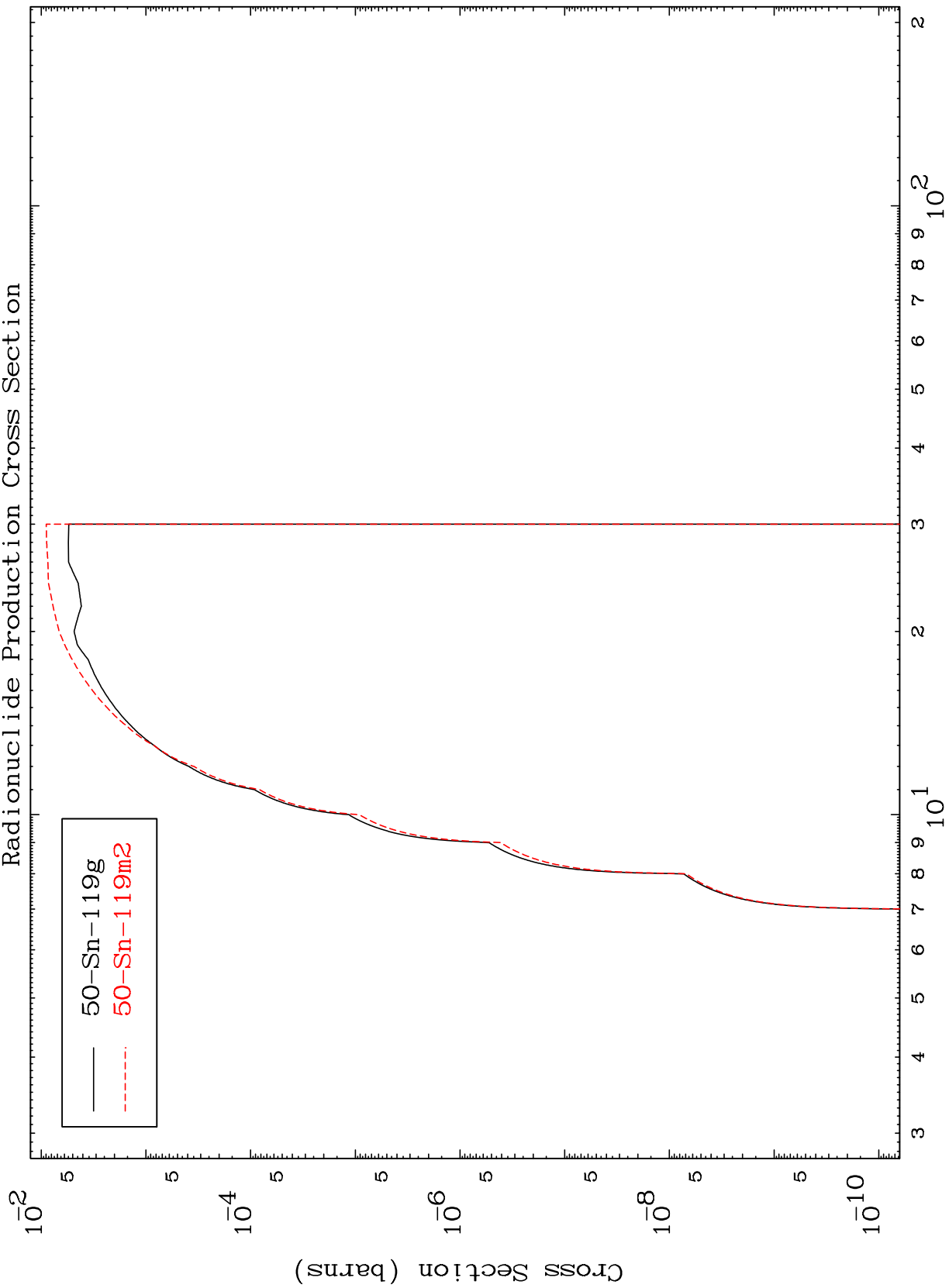
Incident Energy (MeV)

23

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50-Sn-120

(n,t)
Radionuclide Production Cross Section



24

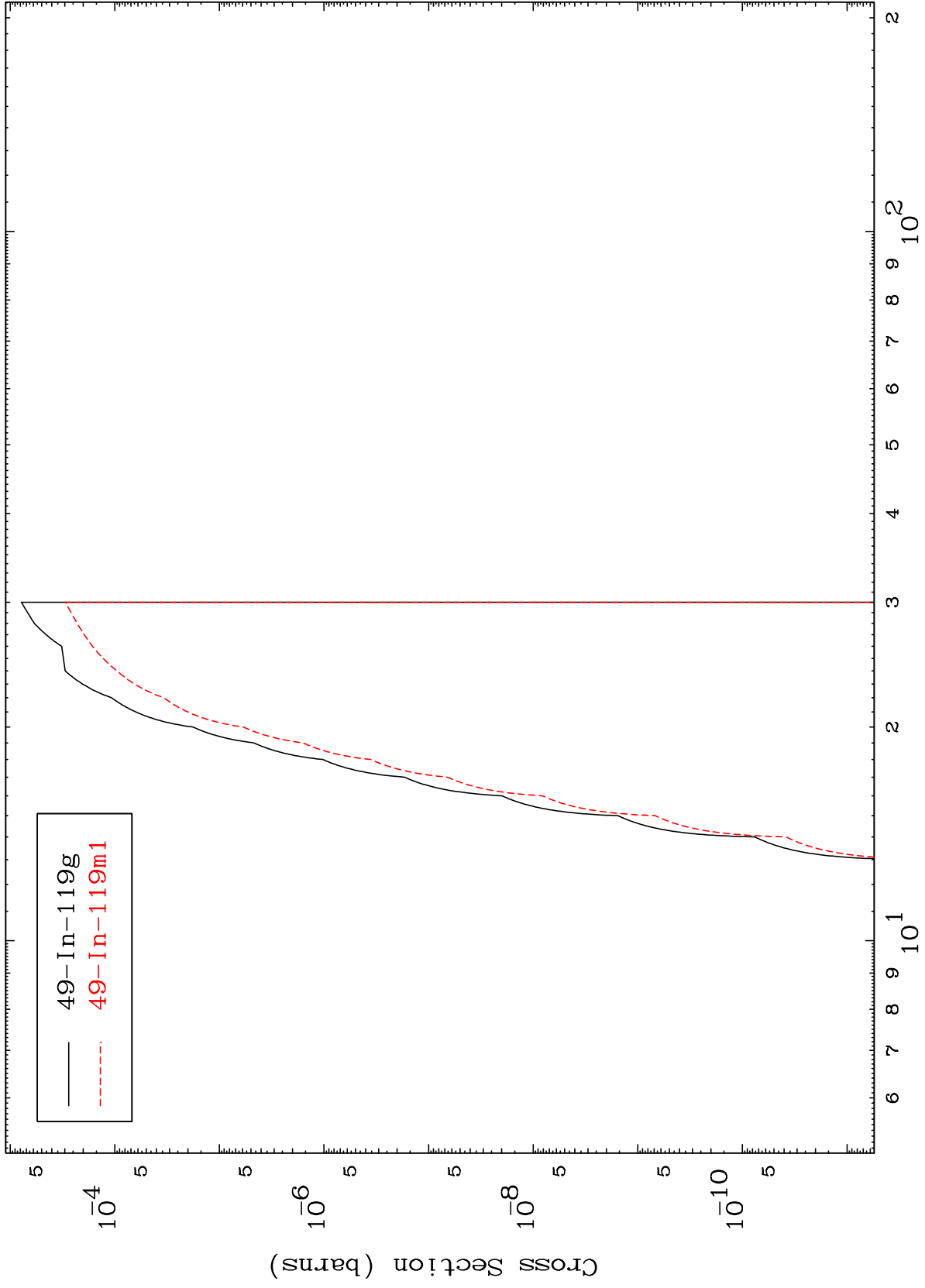
50-Sn-120

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(n,He-3)

50-Sn-120

Radionuclide Production Cross Section



25

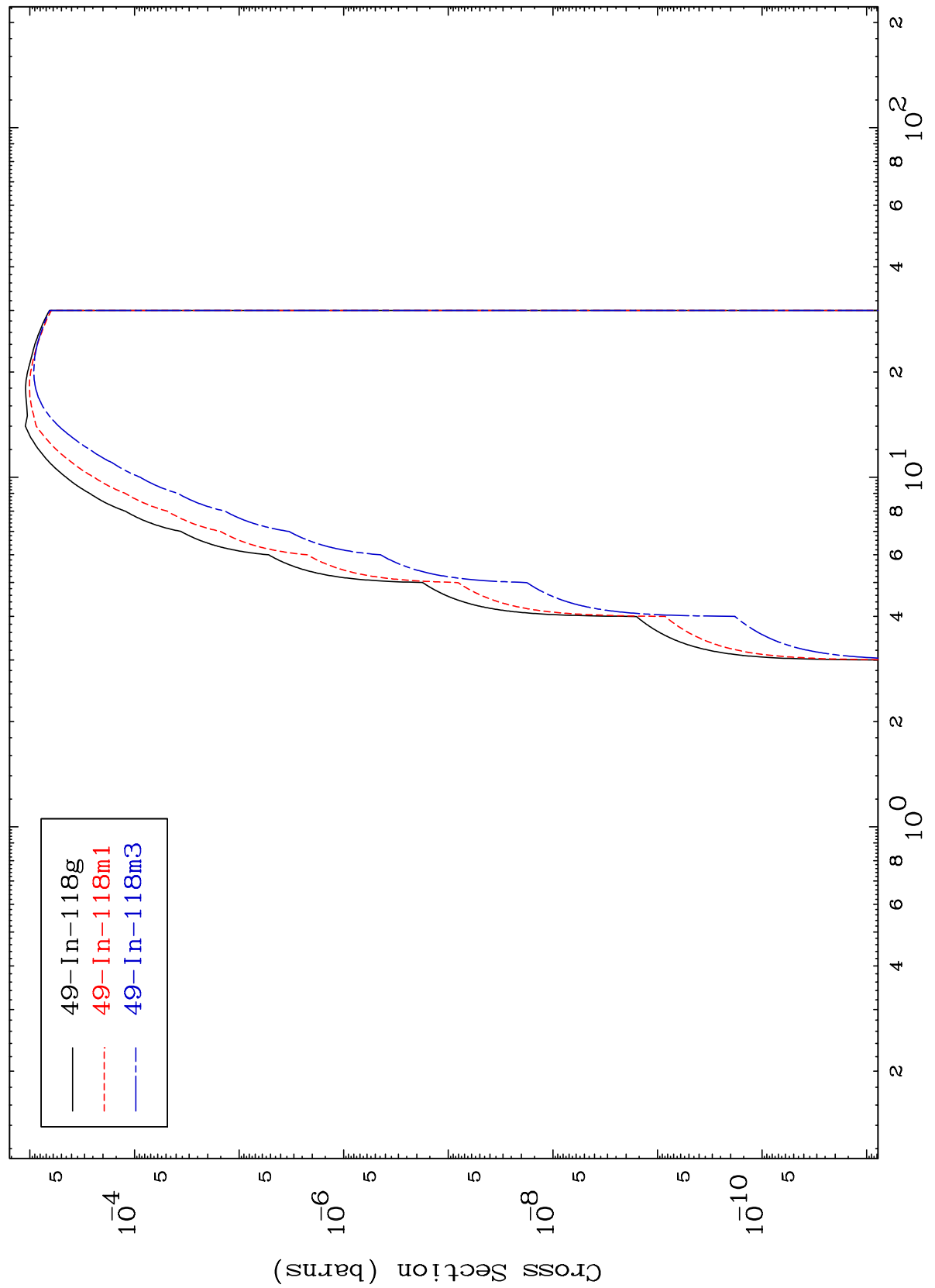
Incident Energy (MeV)

50-Sn-120

MAT 5049

50-Sn-120

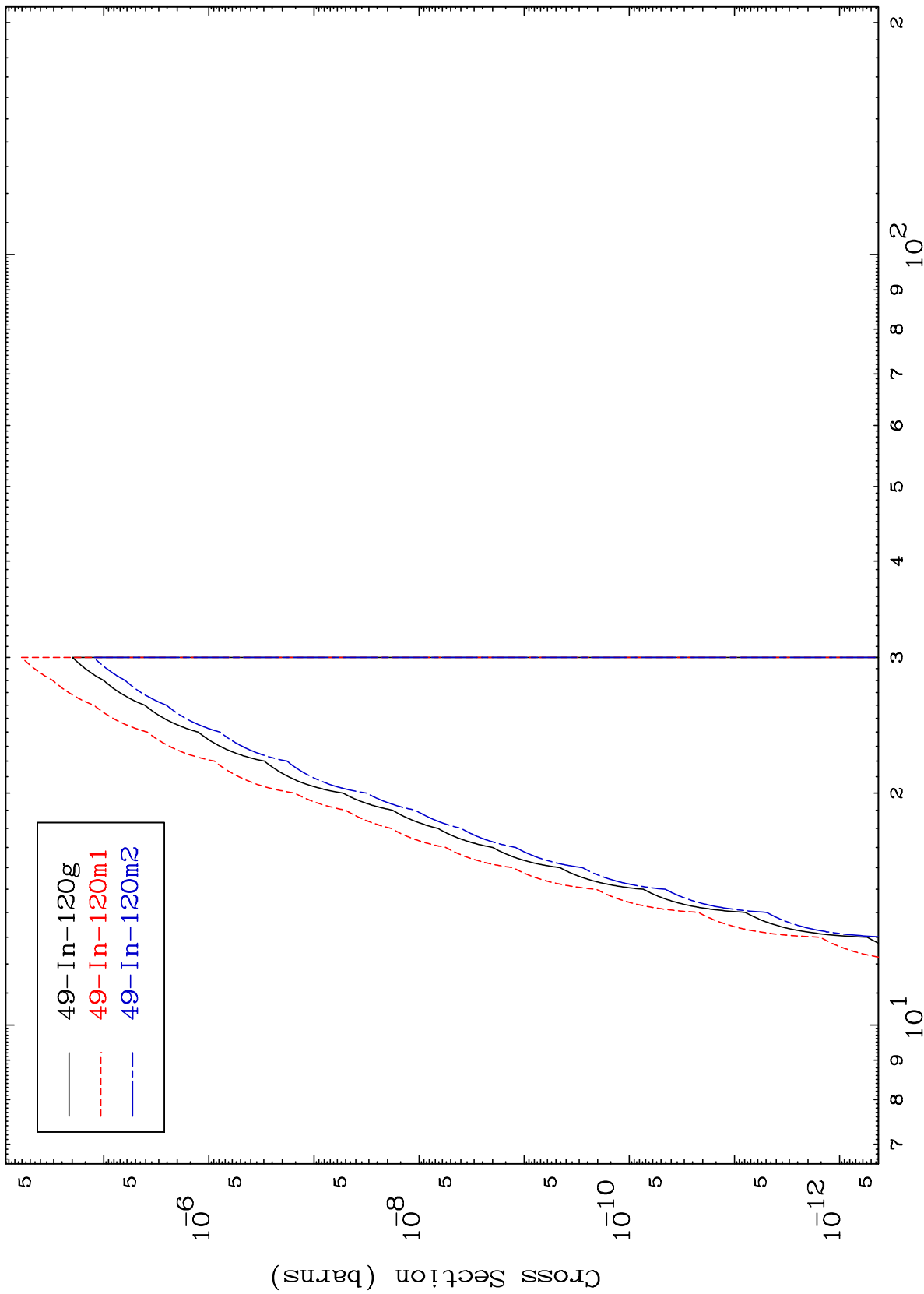
Radionuclide Production Cross Section
(n, α)



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50-Sn-120

(n,2p)
Radionuclide Production Cross Section



27

Incident Energy (MeV)

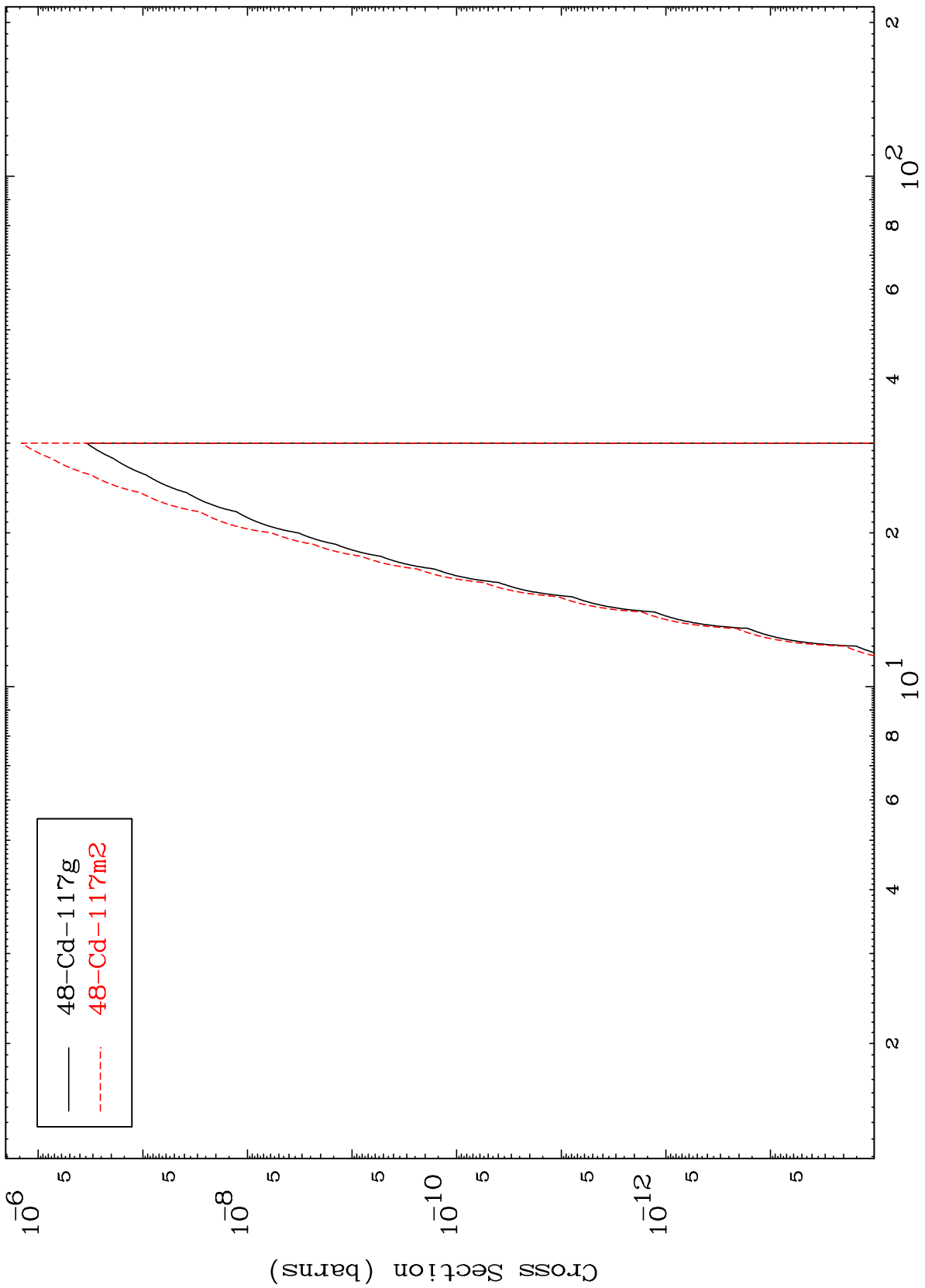
50-Sn-120

MAT 5049

(n,p) α

50-Sn-120

Radionuclide Production Cross Section

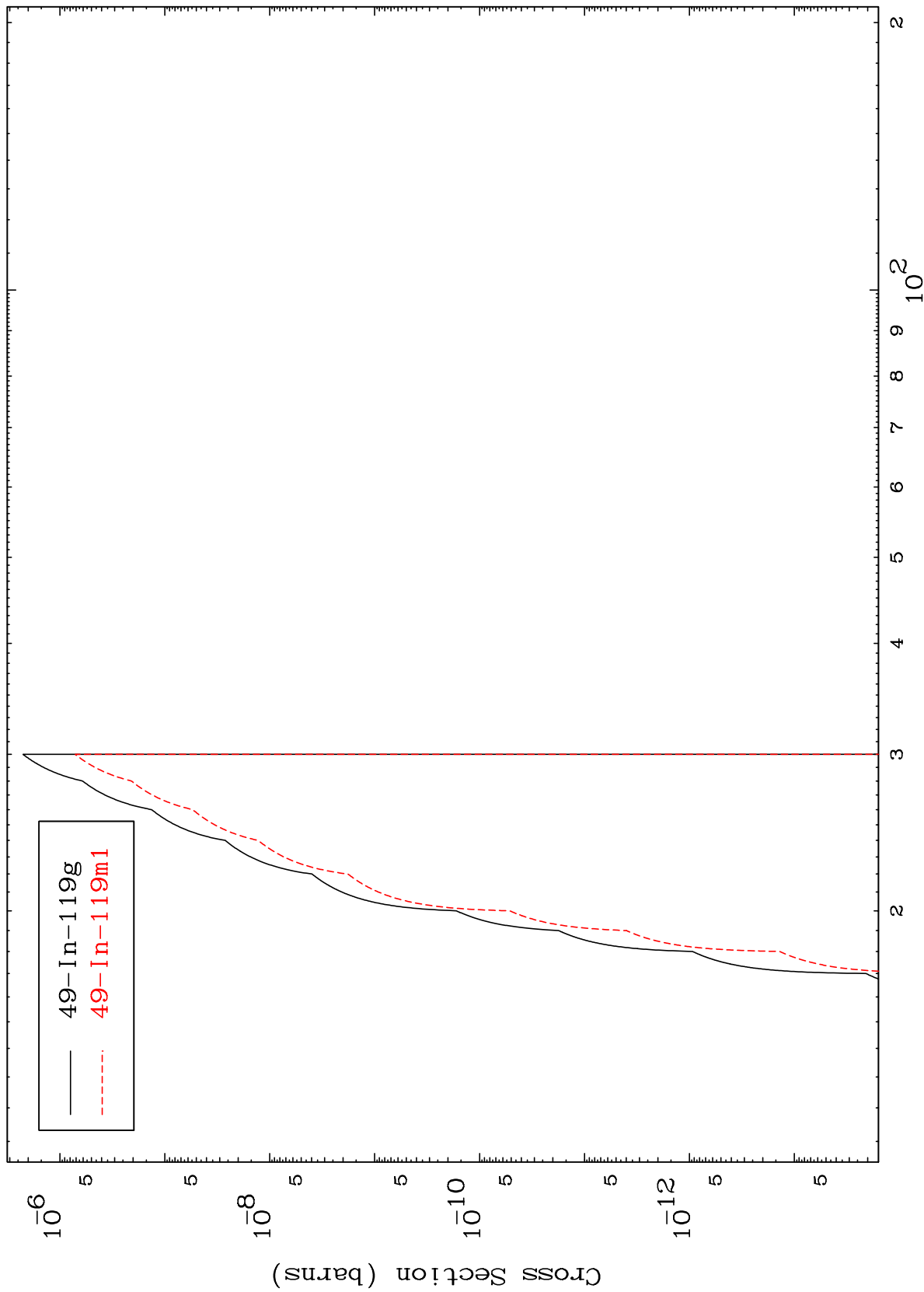


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(n,p) d

50-Sn-120

Radionuclide Production Cross Section



29

Incident Energy (MeV)

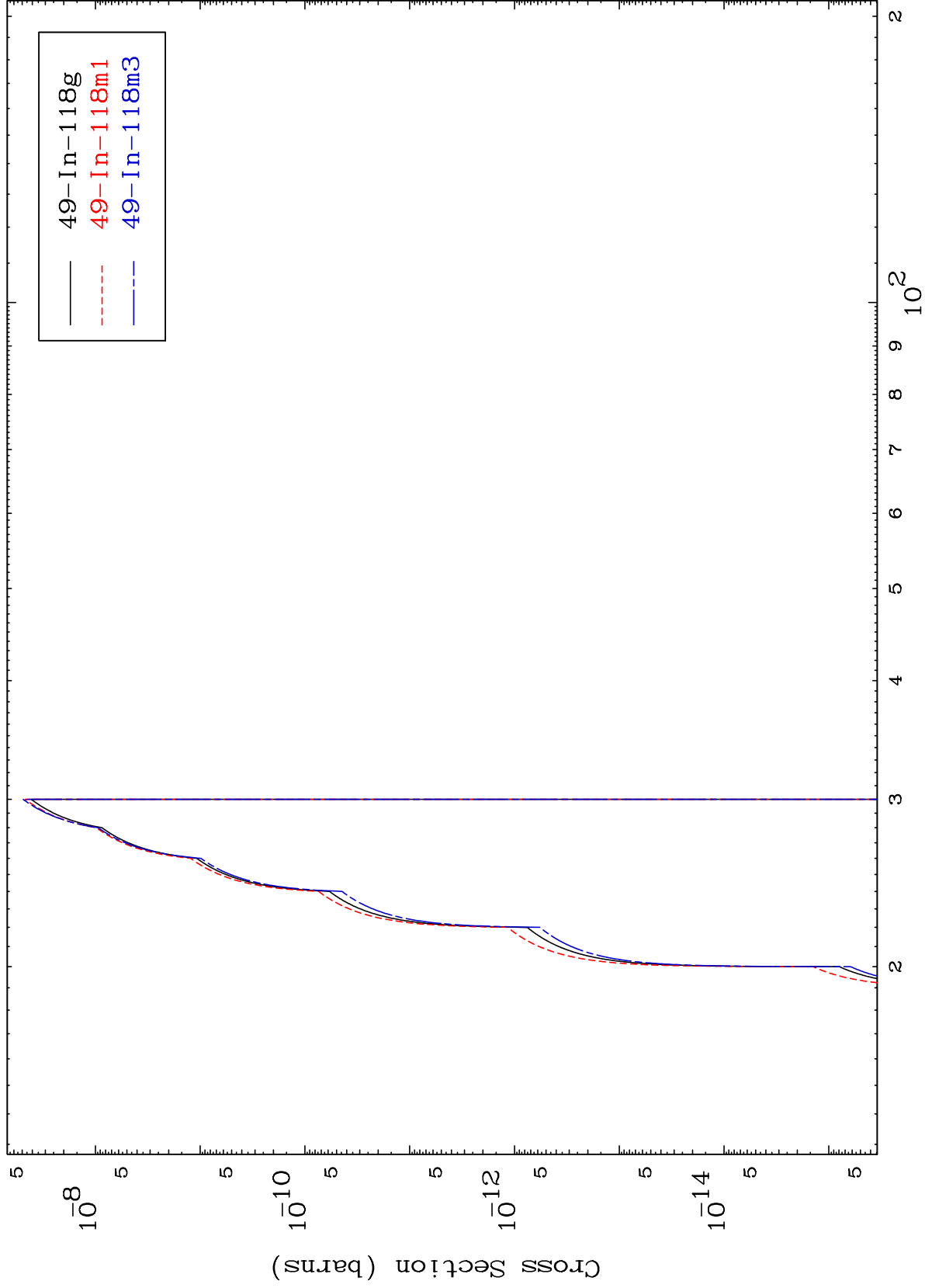
50-Sn-120

MAT 5049

(n,p) t

50-Sn-120

Radionuclide Production Cross Section



30

Incident Energy (MeV)

50-Sn-120