

Program EVALPLOT
(Version 2021-1)

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

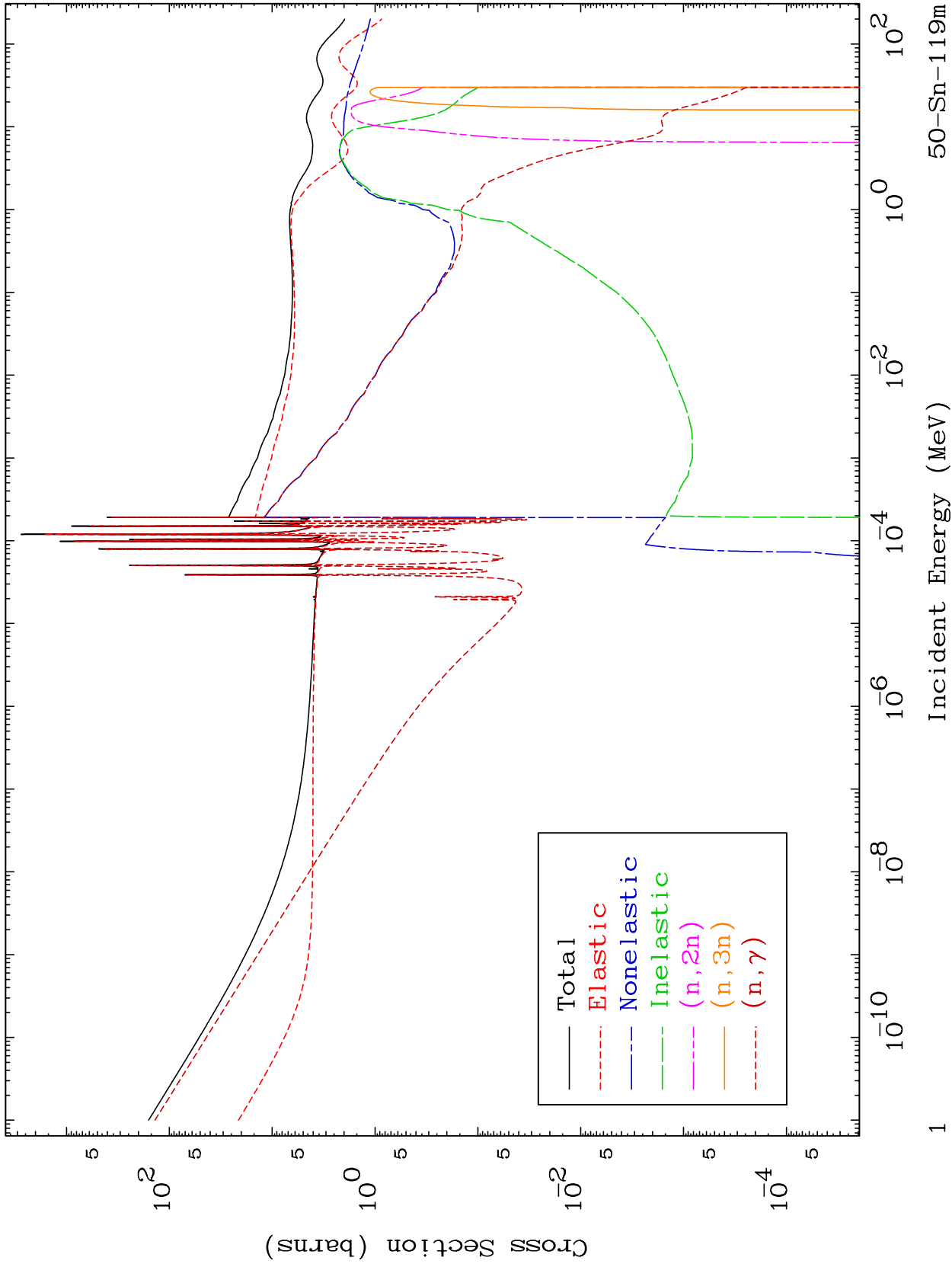
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5047

Neutron Major
293 Kelvin Cross Sections

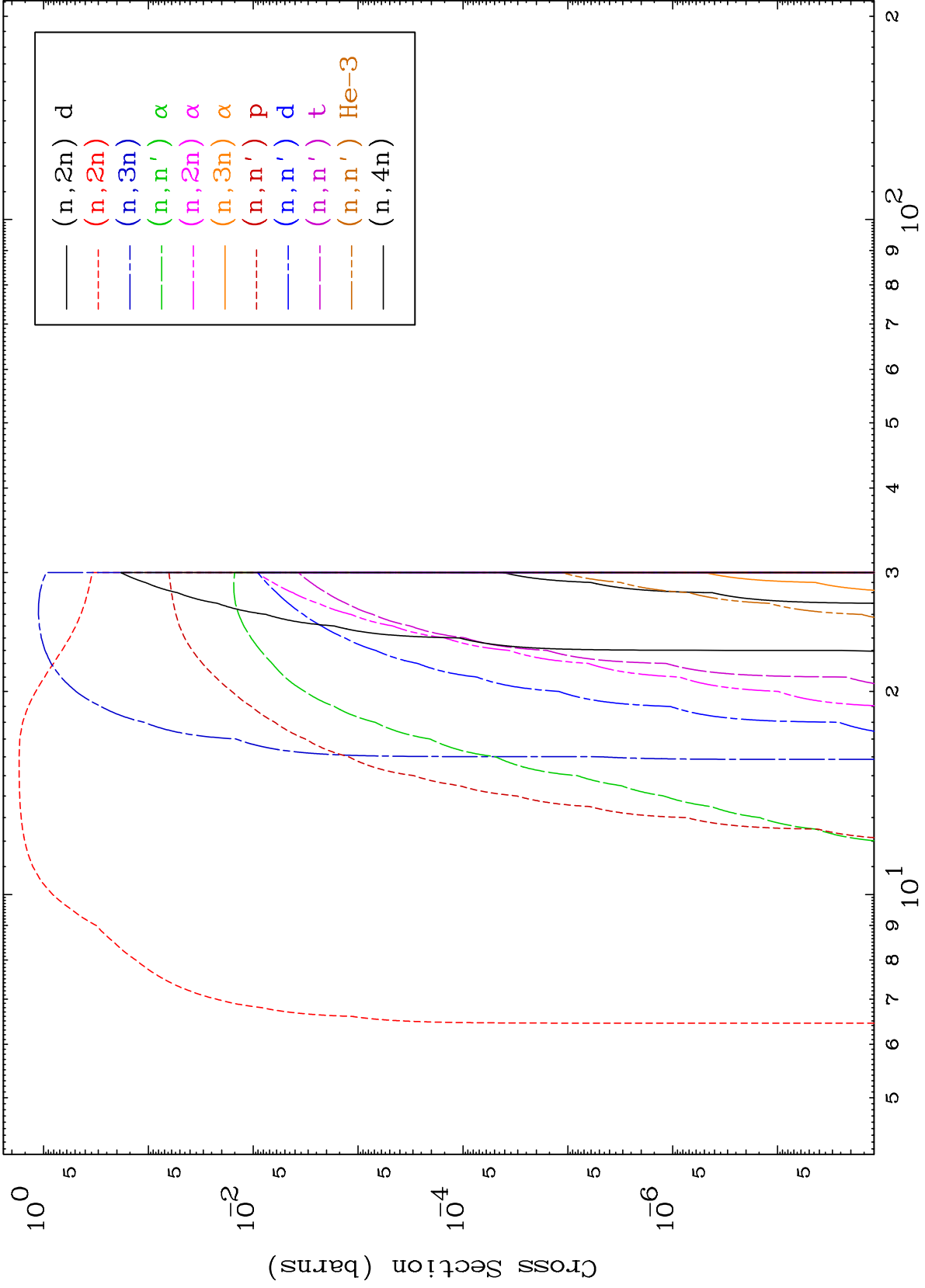
50-Sn-119m



MAT 5047

Neutron Absorption
293 Kelvin Cross Sections

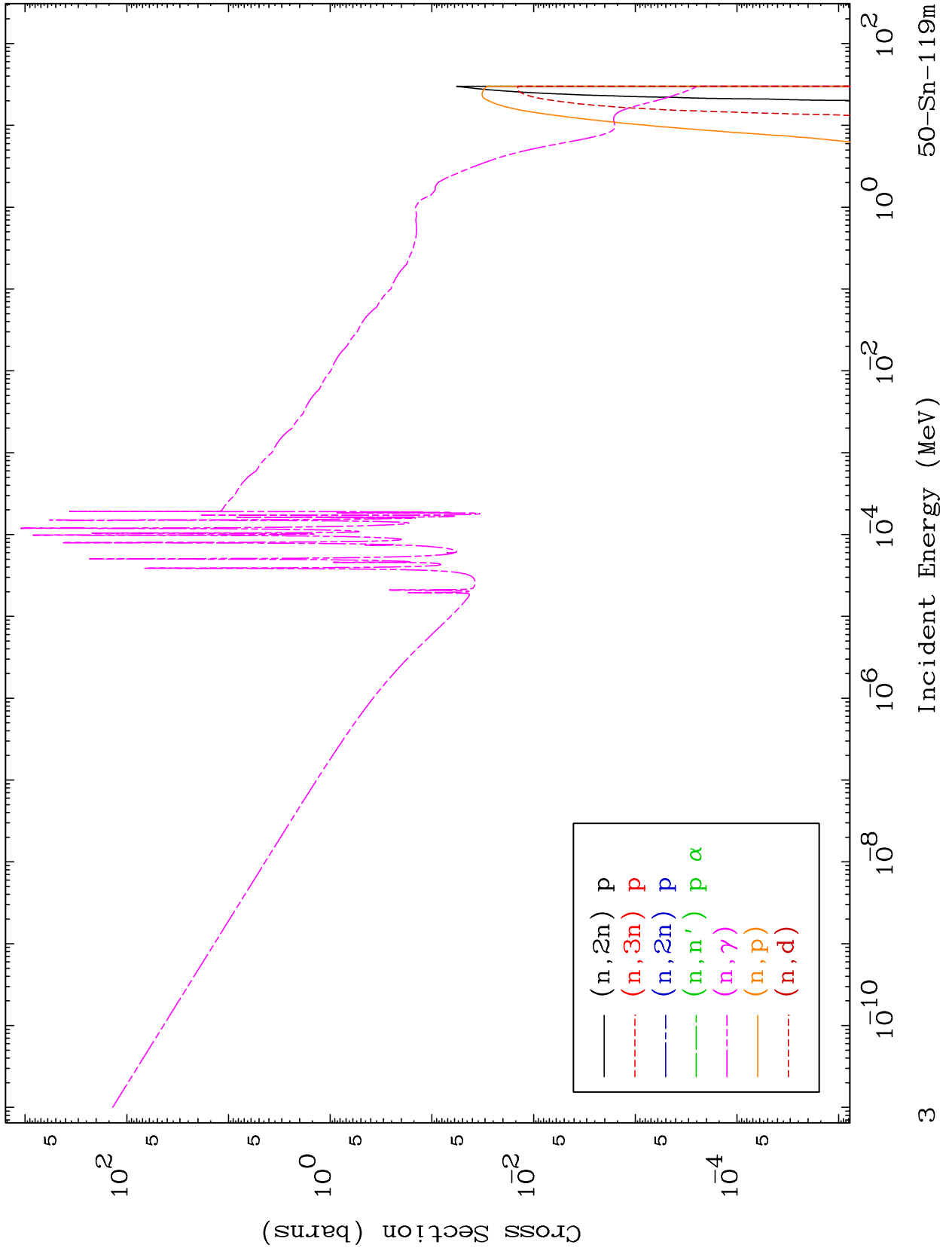
50-Sn-119m

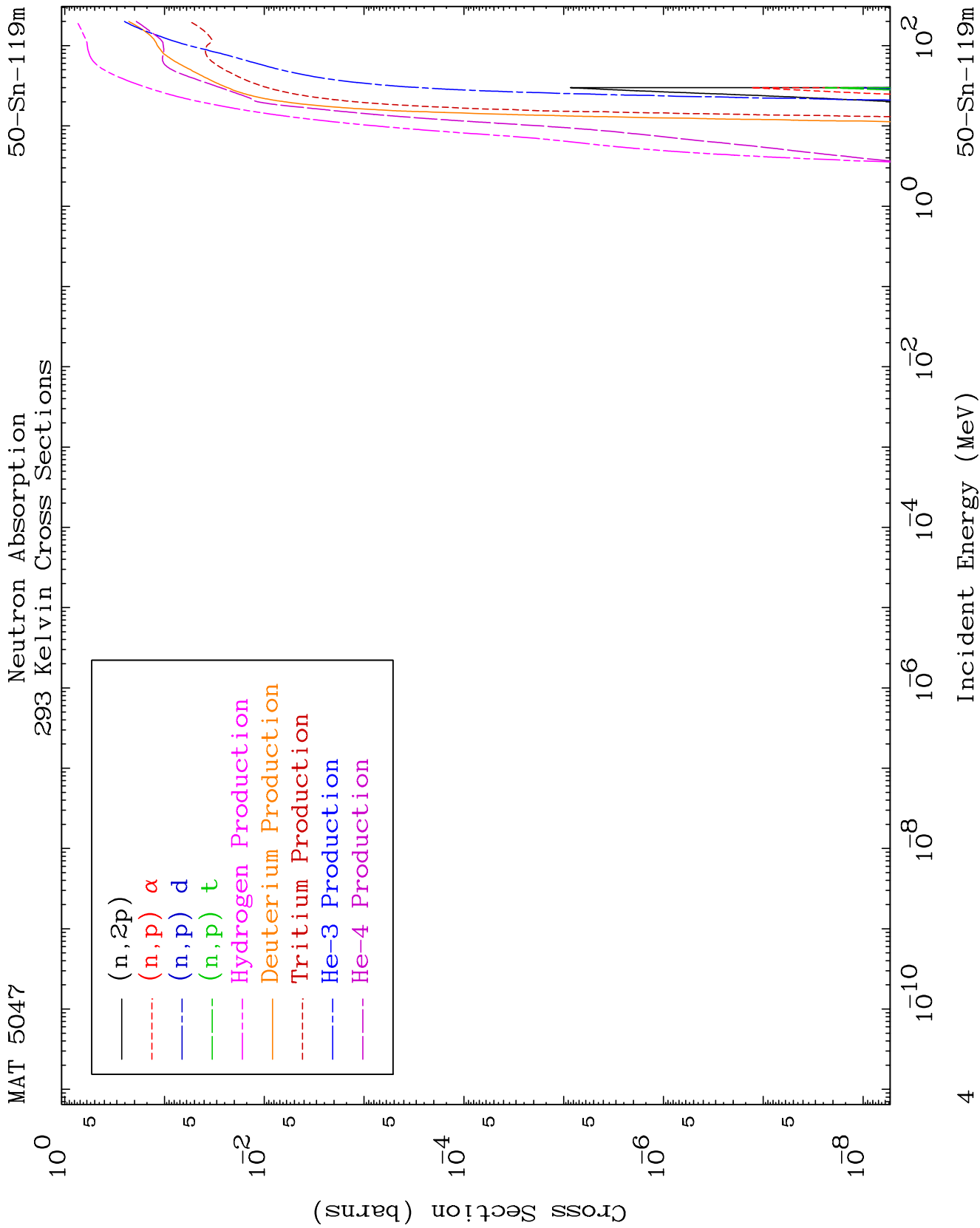


MAT 5047

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-119m

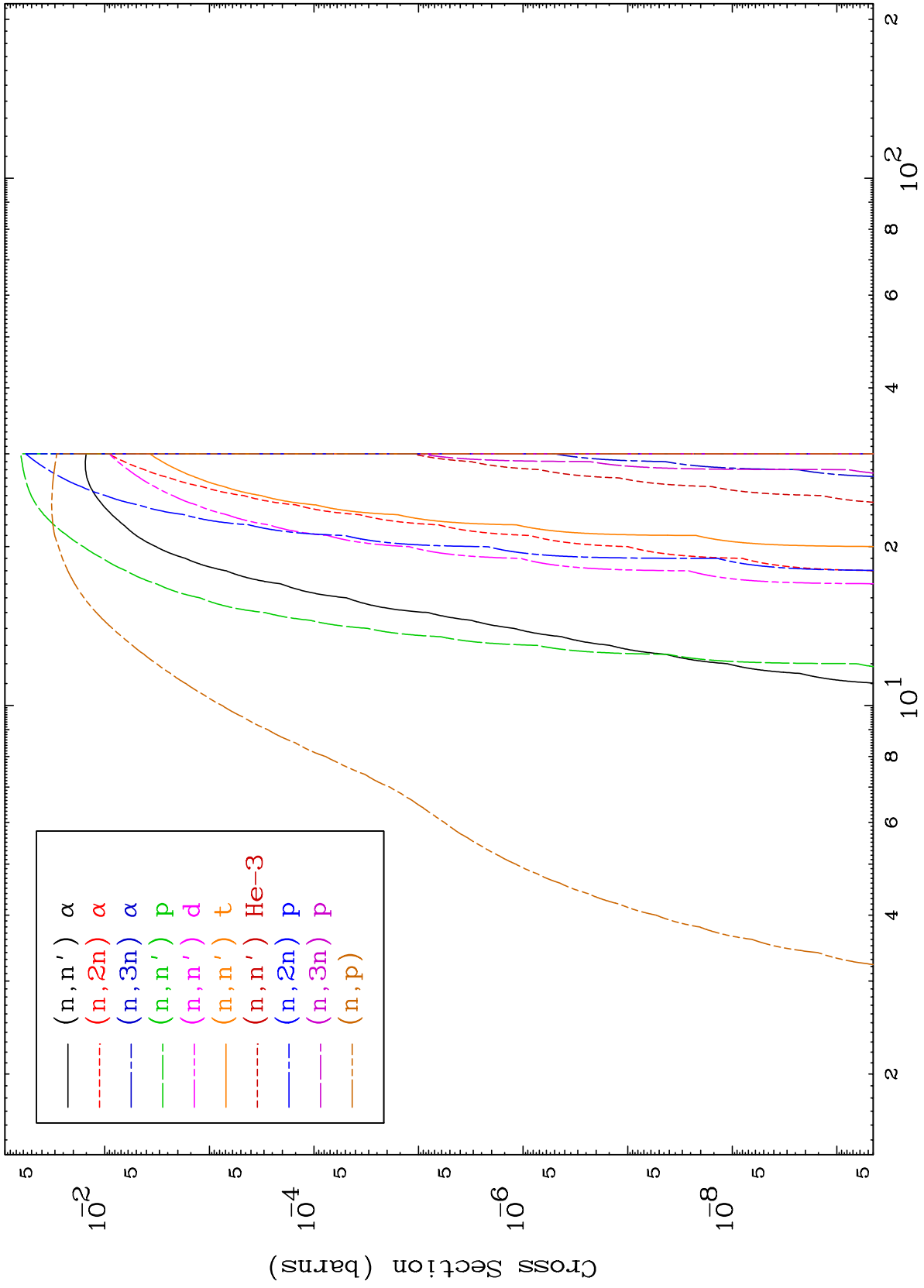




MAT 5047

Charged Particle
293 Kelvin Cross Sections

50-Sn-119m



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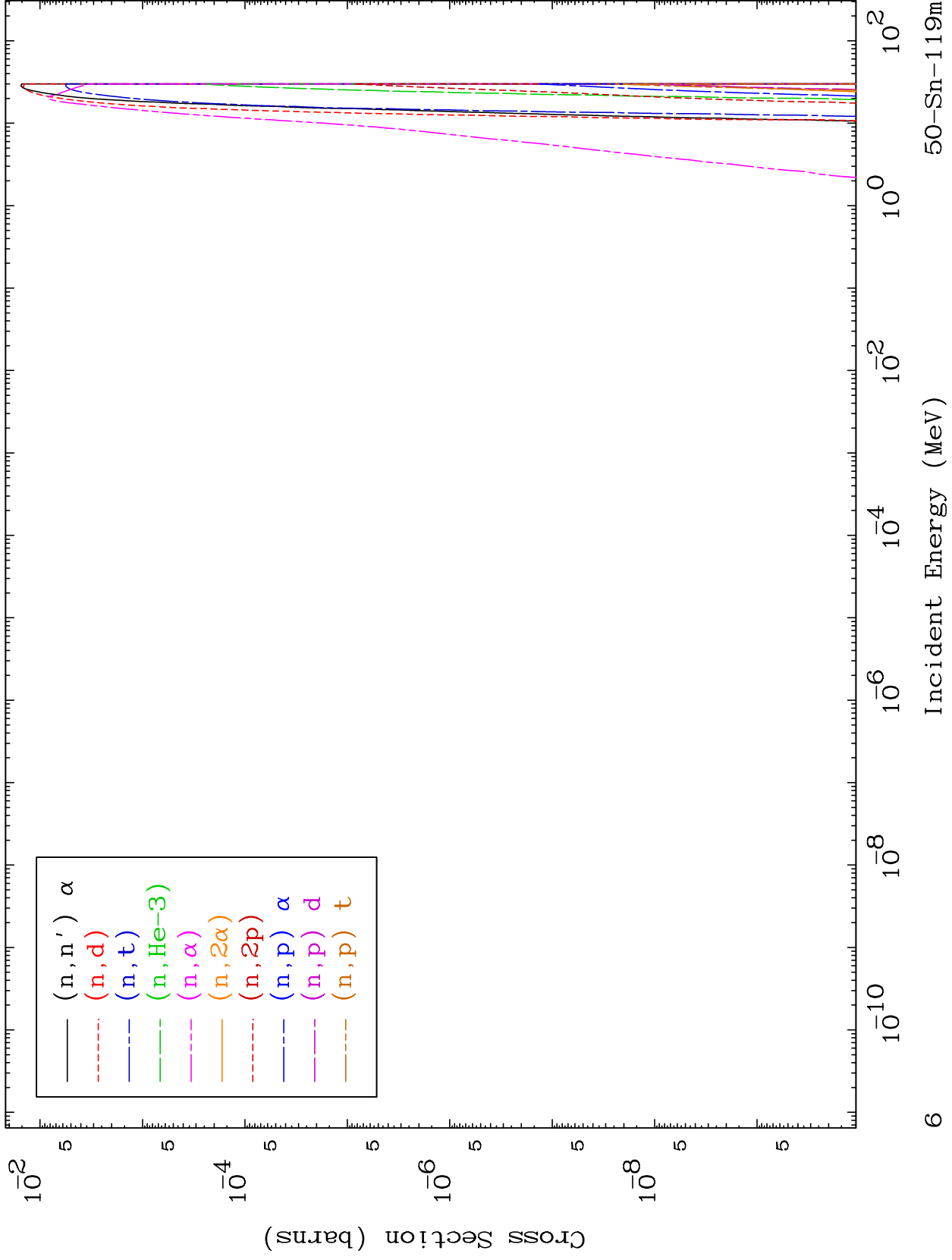
Incident Energy (MeV)

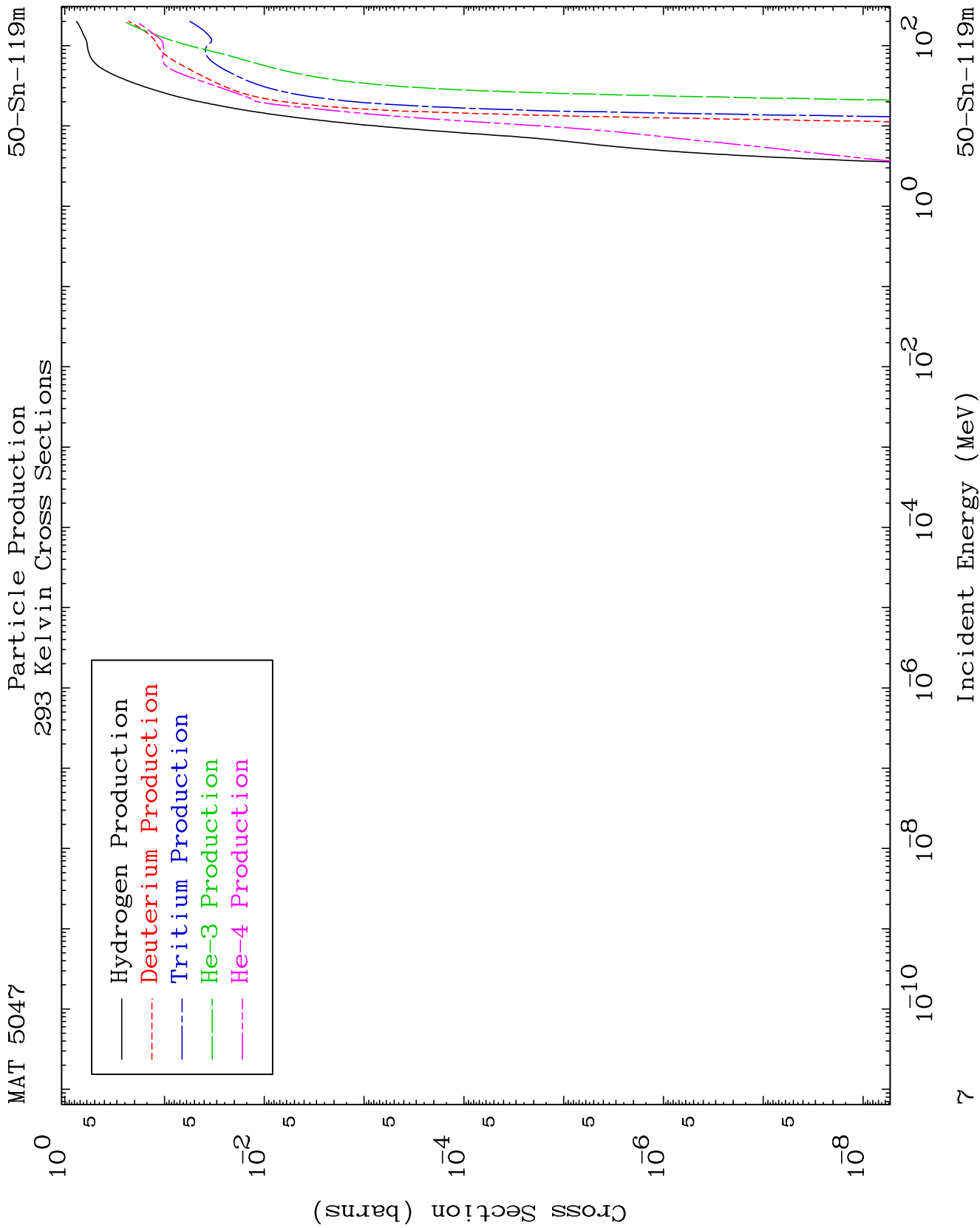
50-Sn-119m

MAT 5047

Charged Particle
293 Kelvin Cross Sections

50-Sn-119m

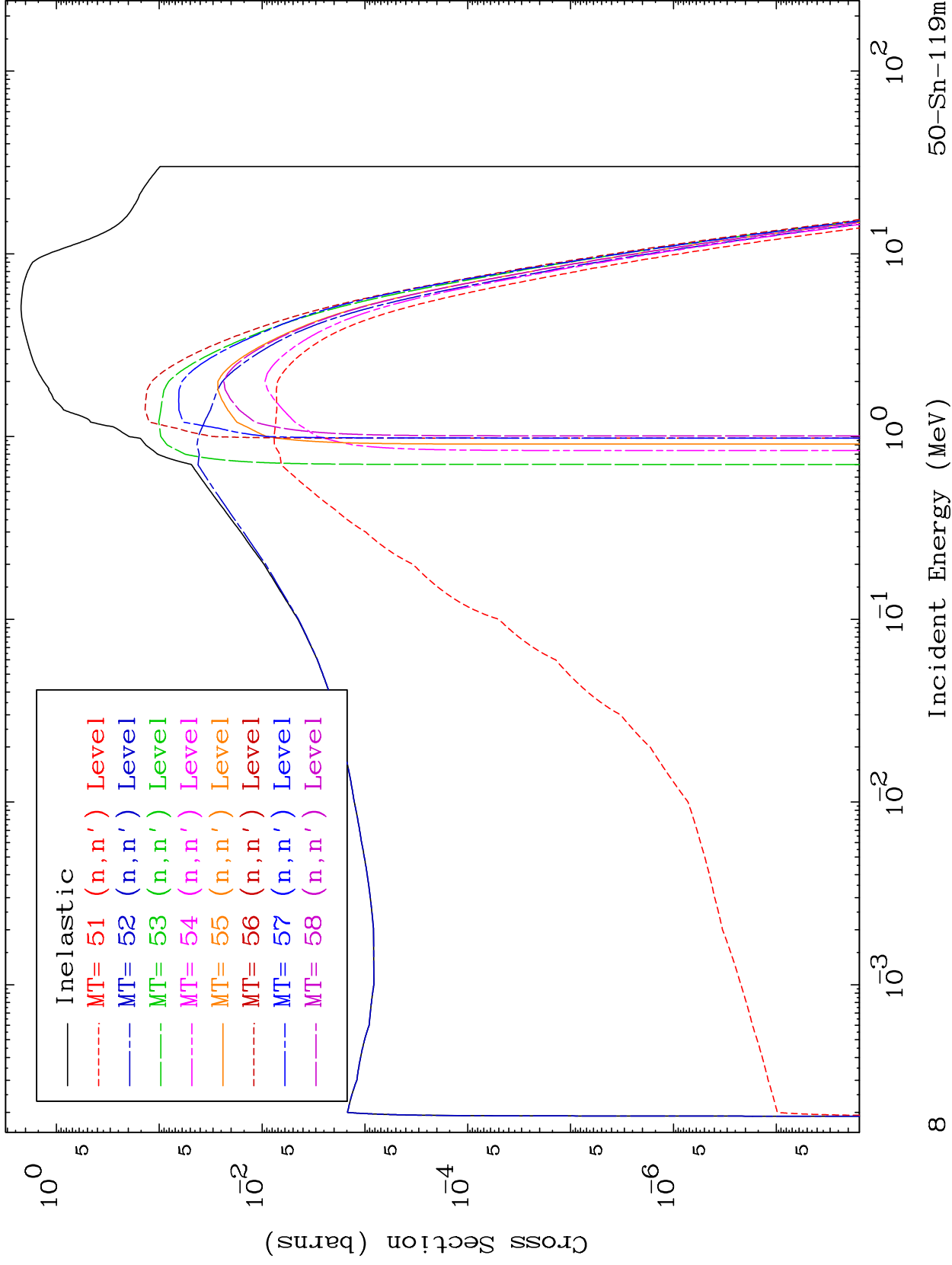




MAT 5047

293 Kelvin Cross Sections
(n,n') Levels

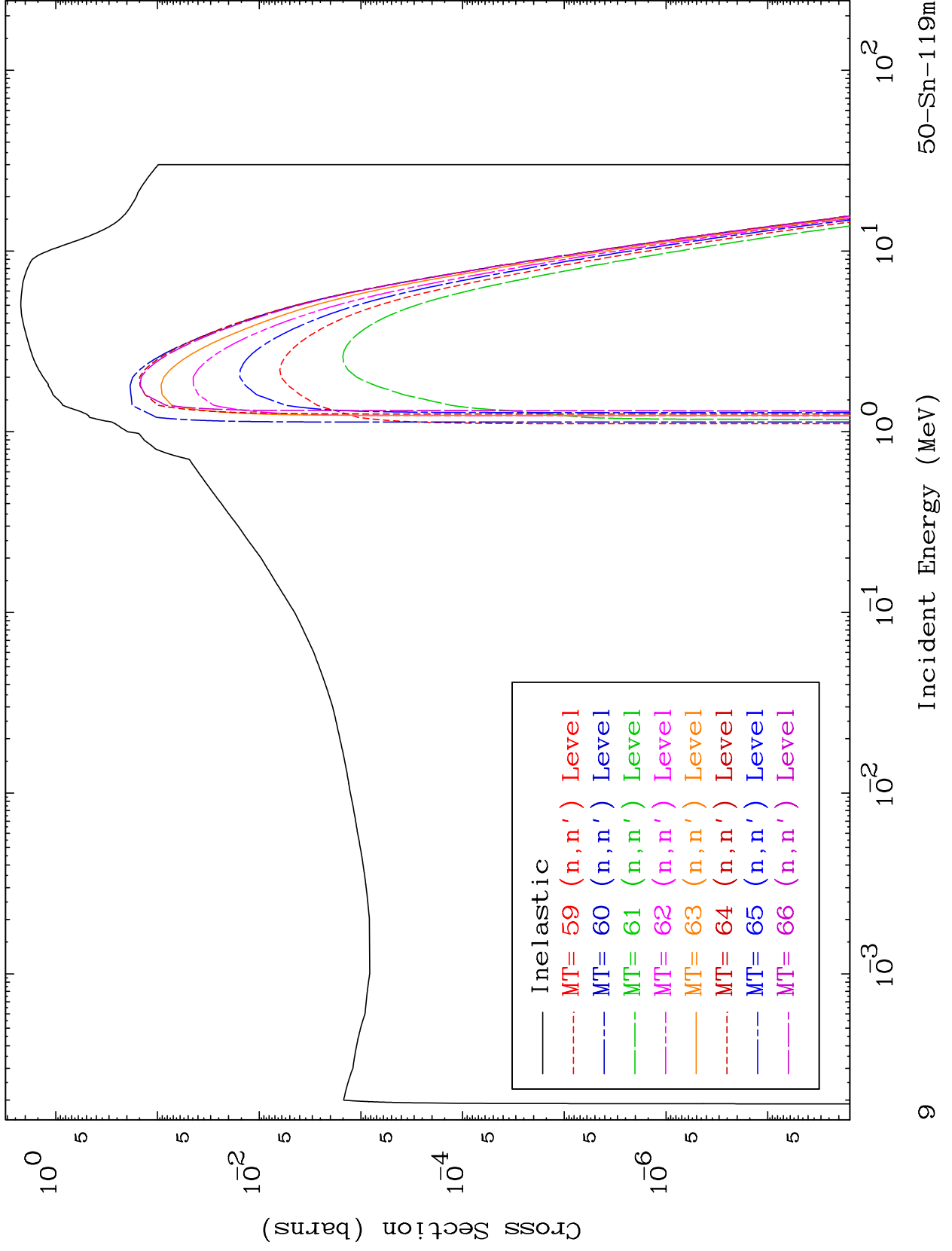
50-Sn-119m



MAT 5047

(n,n') Levels
293 Kelvin Cross Sections

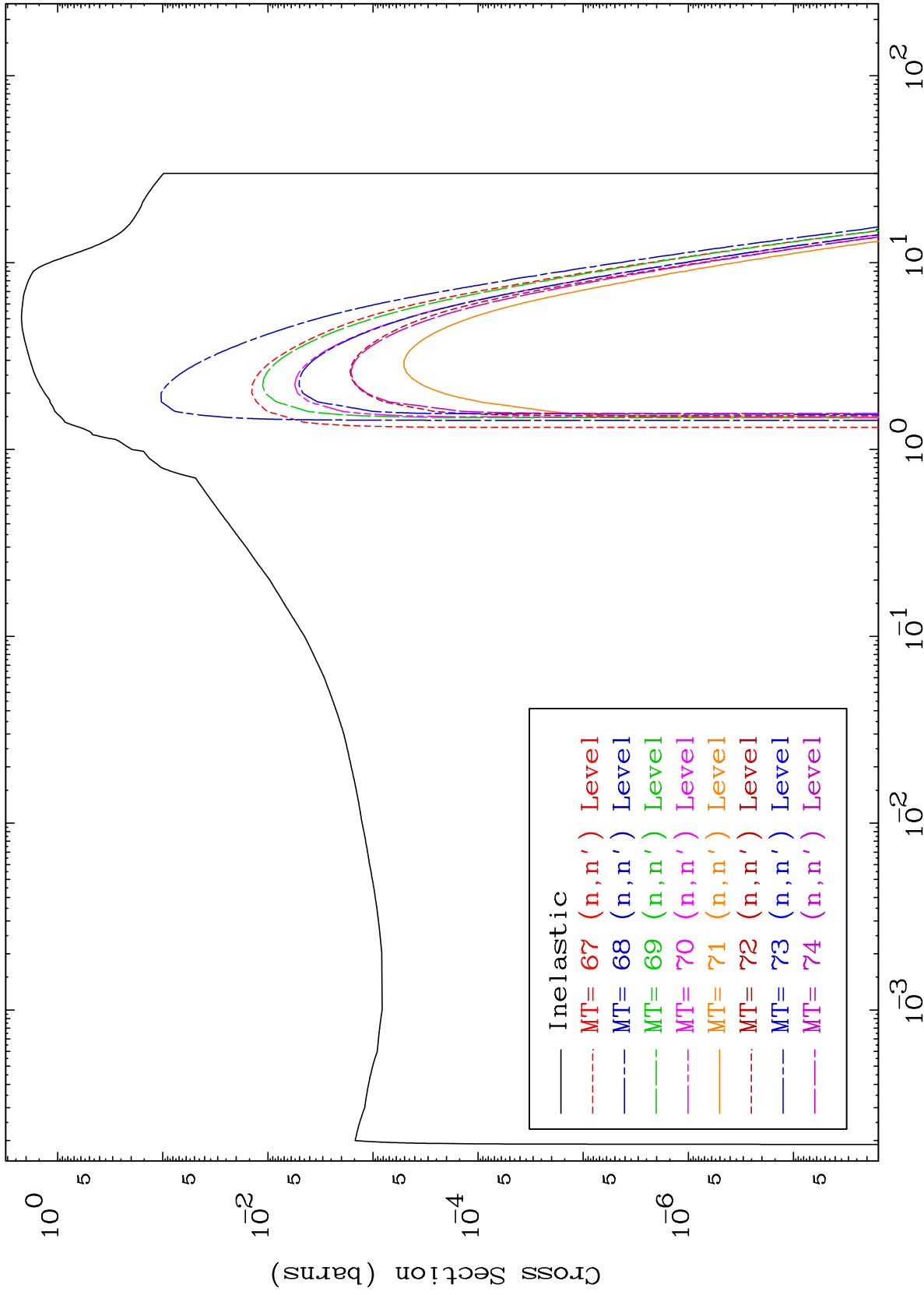
50-Sn-119m



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(n,n') Levels
293 Kelvin Cross Sections

50-Sn-119m



10

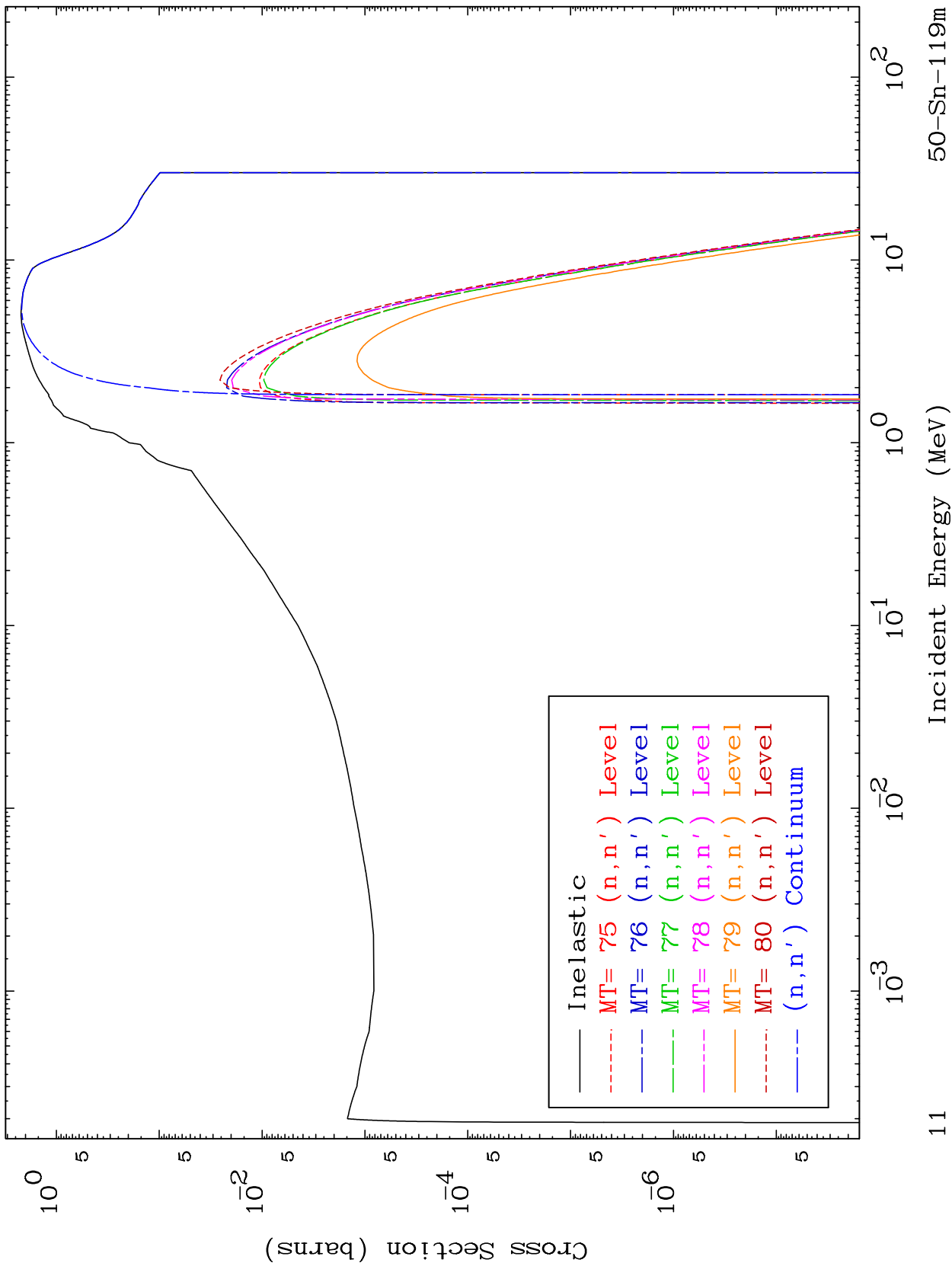
Incident Energy (MeV)

50-Sn-119m

MAT 5047

(n,n') Levels
293 Kelvin Cross Sections

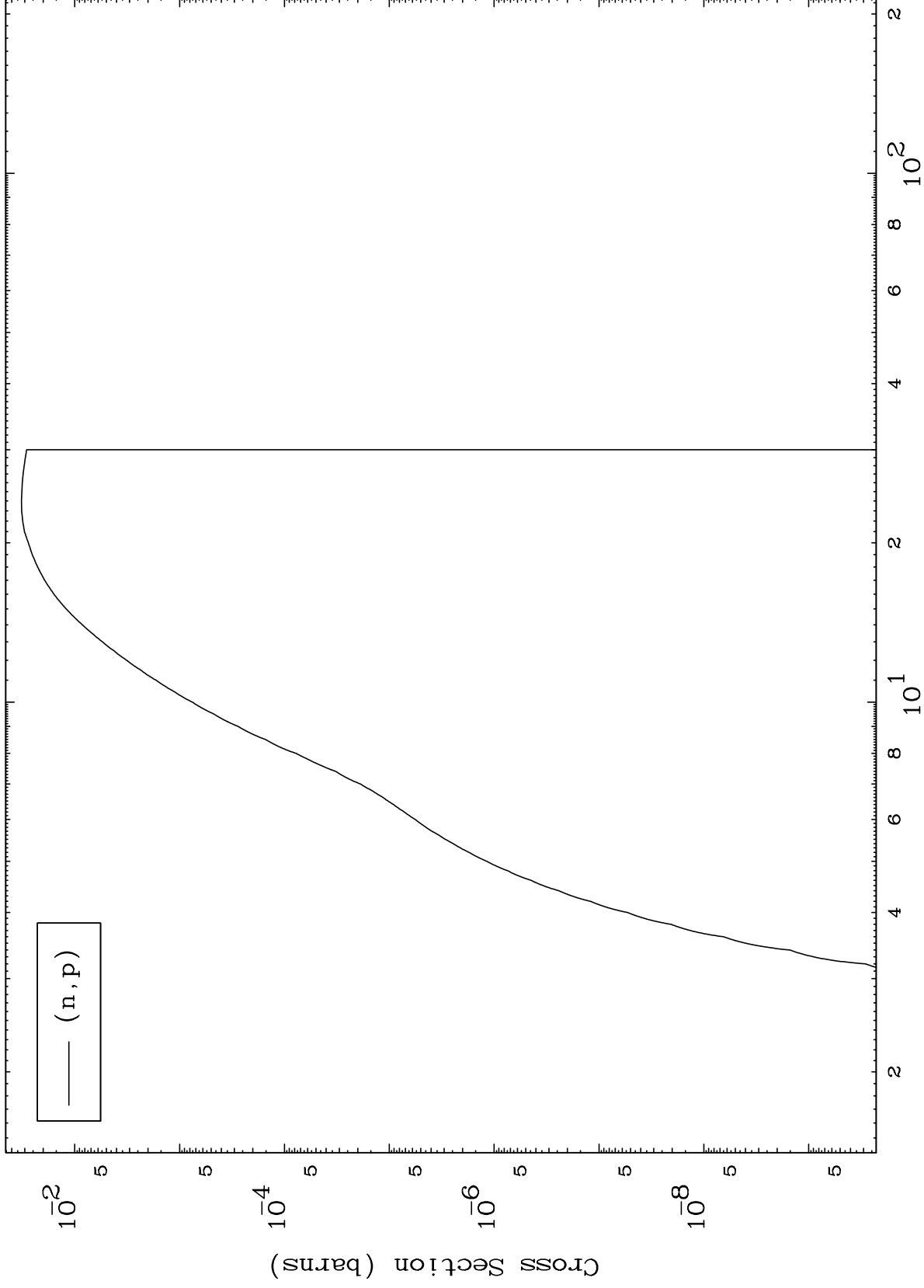
50-Sn-119m



MAT 5047

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-119m



12

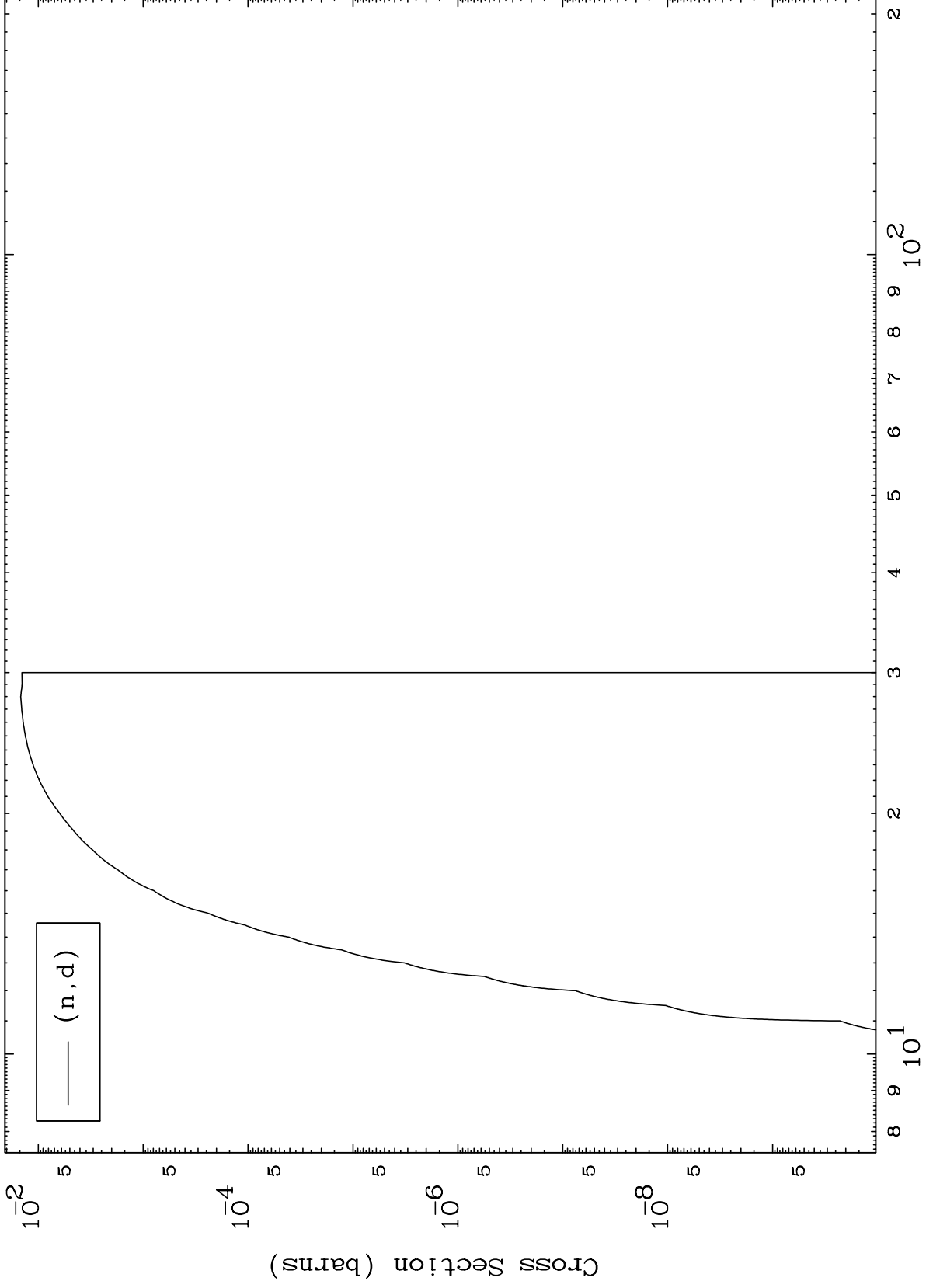
Incident Energy (MeV)

50-Sn-119m

MAT 5047

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-119m



13

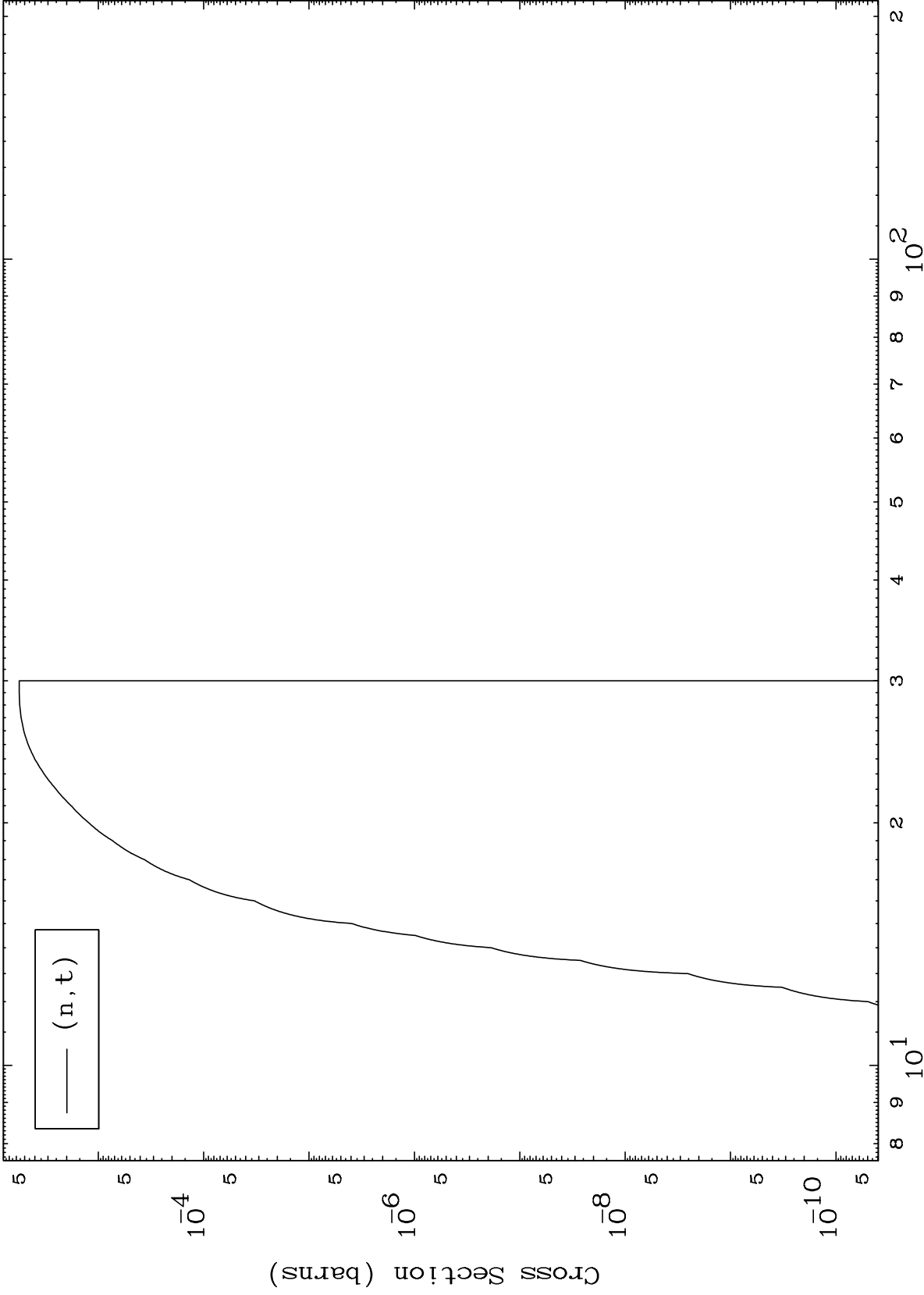
Incident Energy (MeV)

50-Sn-119m

MAT 5047

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-119m



14

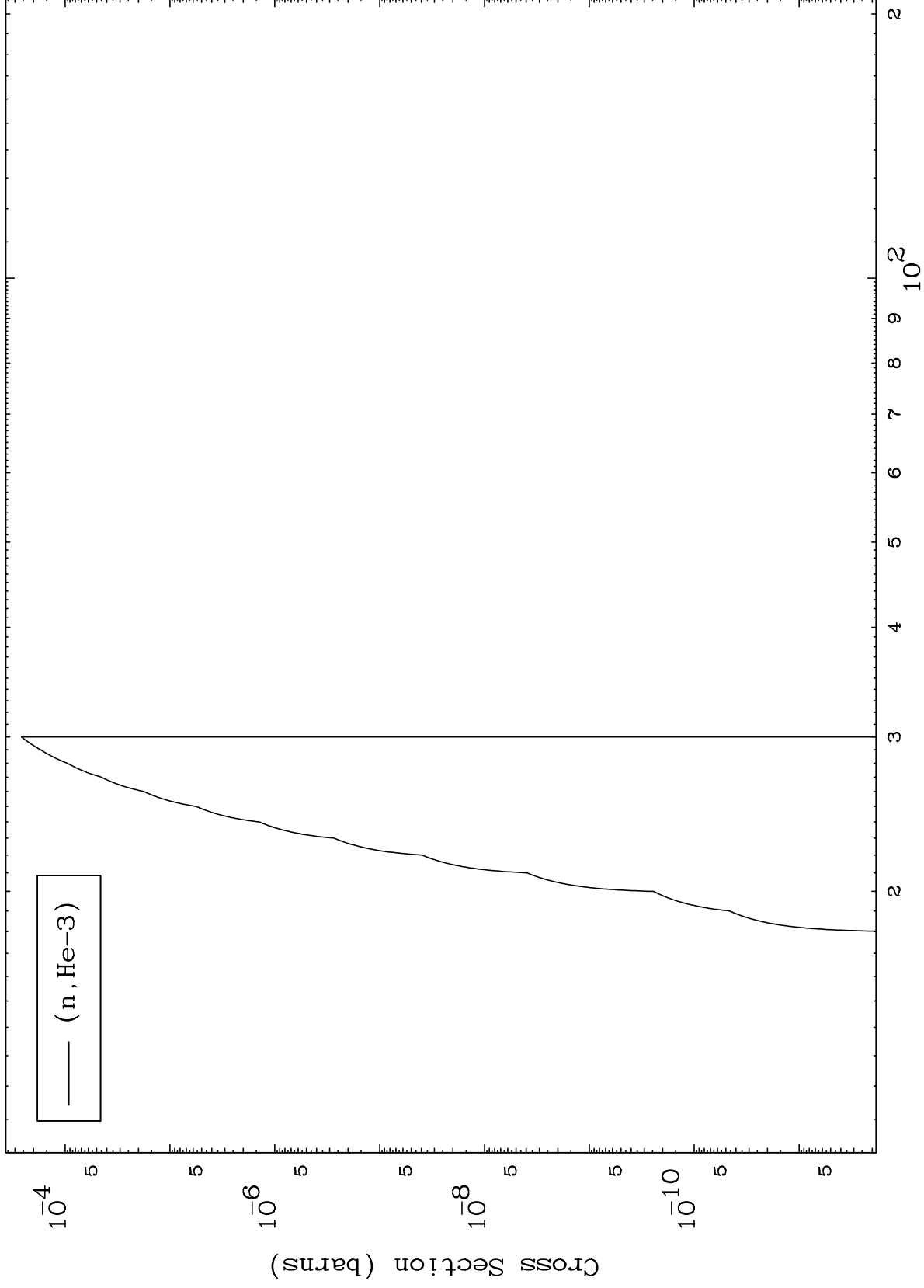
Incident Energy (MeV)

50-Sn-119m

MAT 5047

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-119m



15

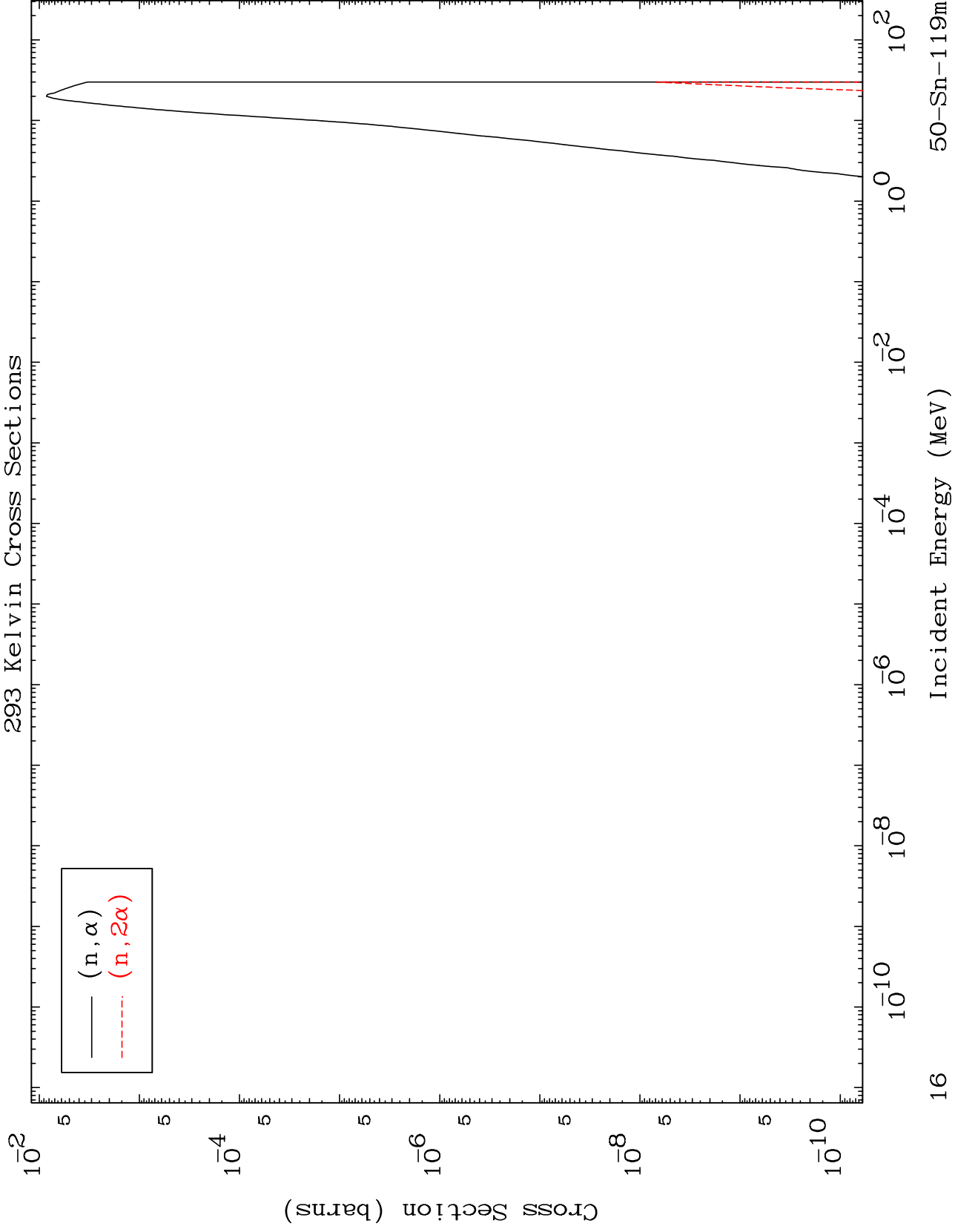
Incident Energy (MeV)

50-Sn-119m

MAT 5047

(n, α) Levels
293 Kelvin Cross Sections

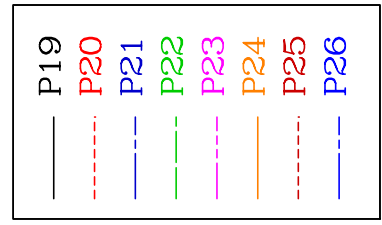
50-Sn-119m



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Elastic Legendre Coefficients

50-Sn-119m



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

25

30

19

Incident Energy (MeV)

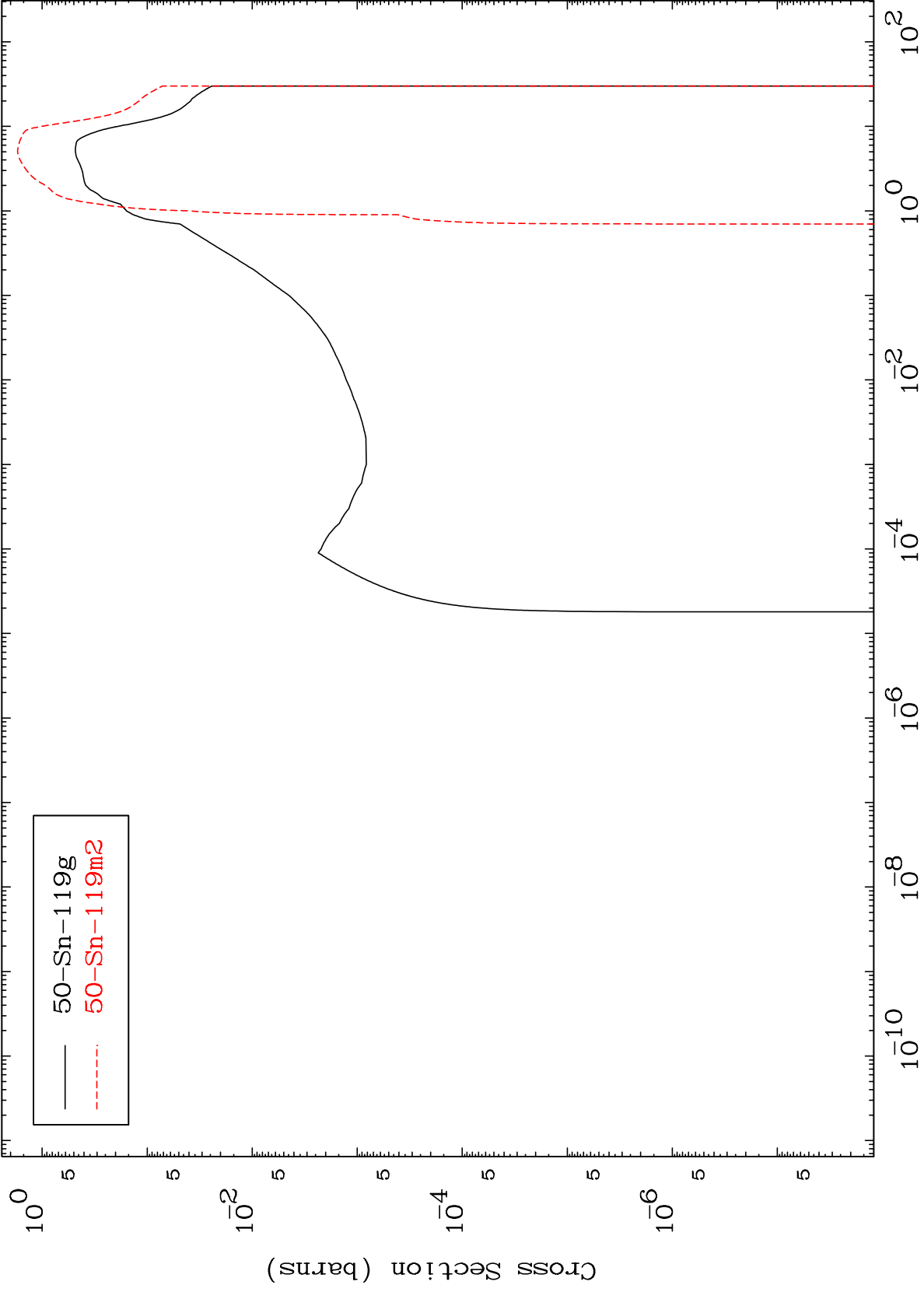
50-Sn-119m



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Inelastic
Radionuclide Production Cross Section

50-Sn-119m

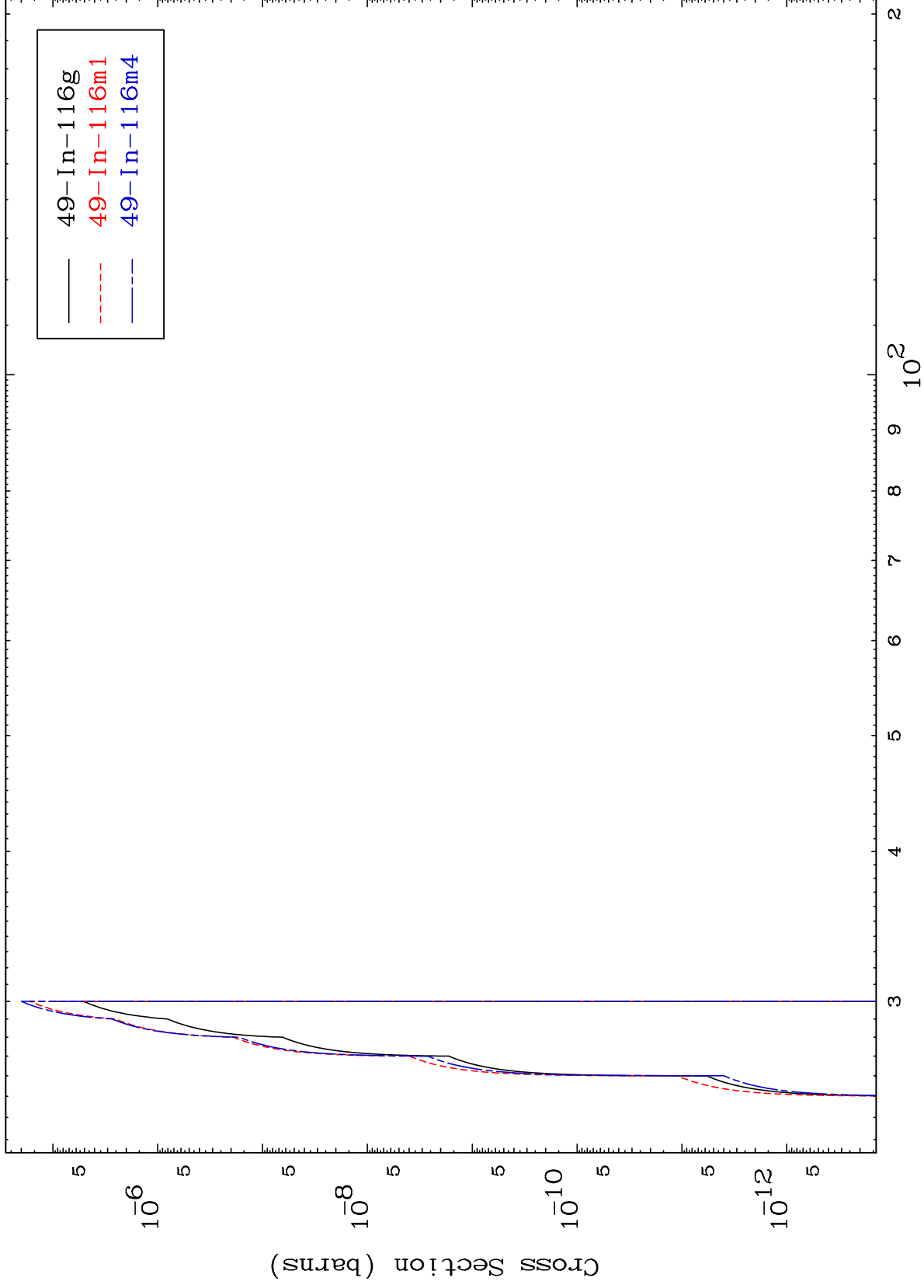


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(n,2n) d

50-Sn-119m

Radionuclide Production Cross Section



21

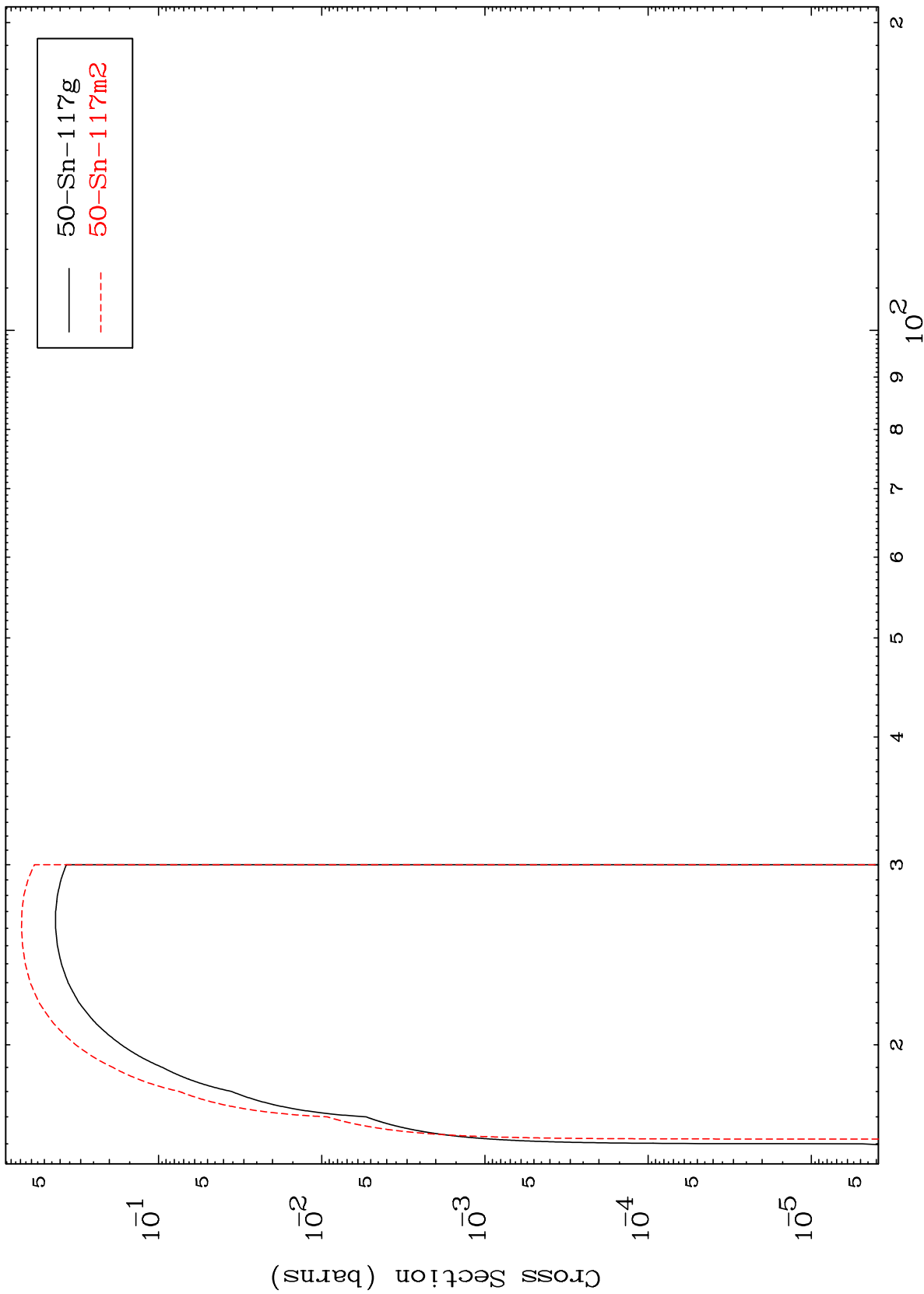
50-Sn-119m

Incident Energy (MeV)

MAT 5047

50-Sn-119m

(n,3n)
Radionuclide Production Cross Section



50-Sn-119m

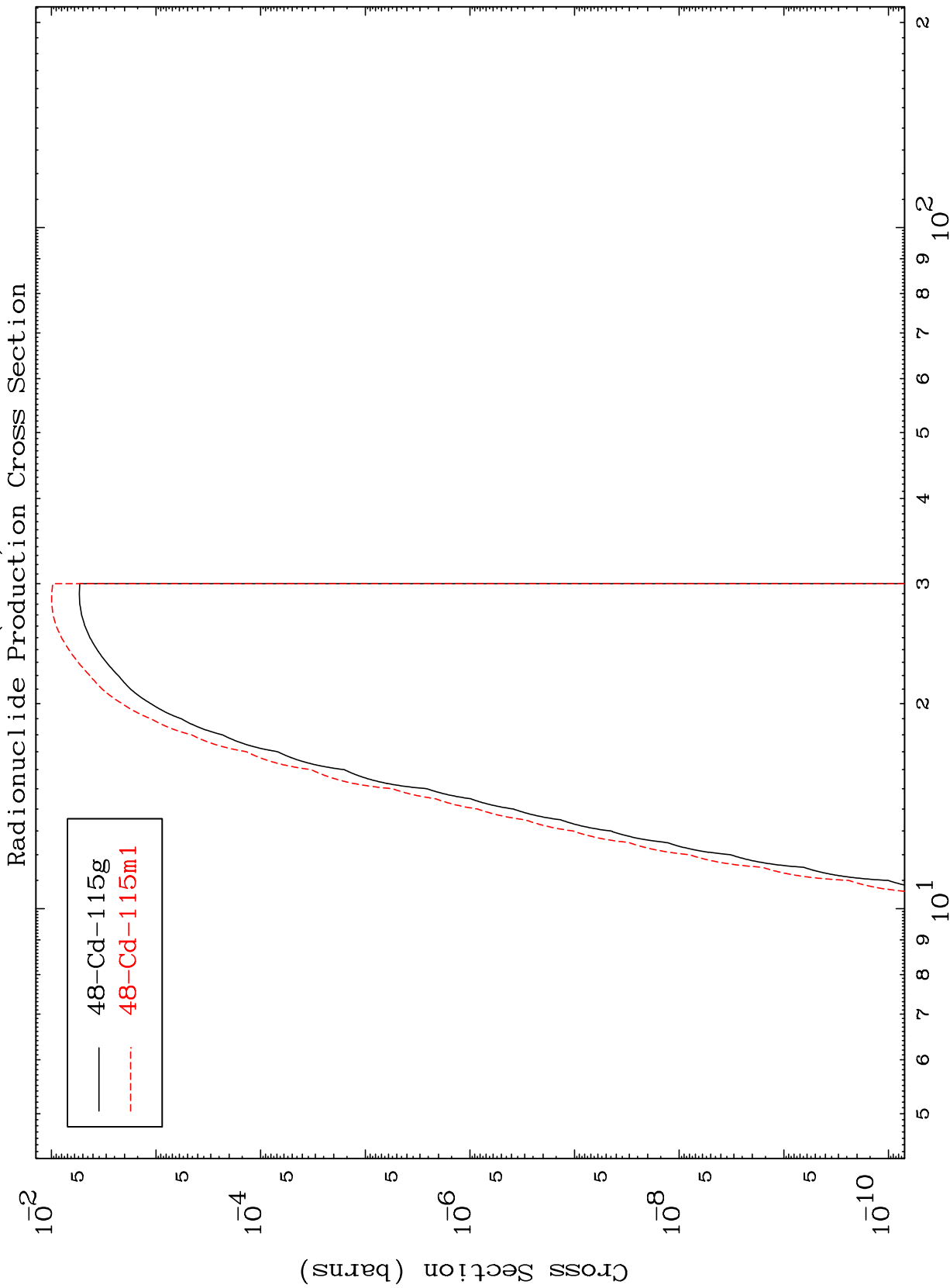
Incident Energy (MeV)

22

MAT 5047

(n,n') α

50-Sn-119m



50-Sn-119m

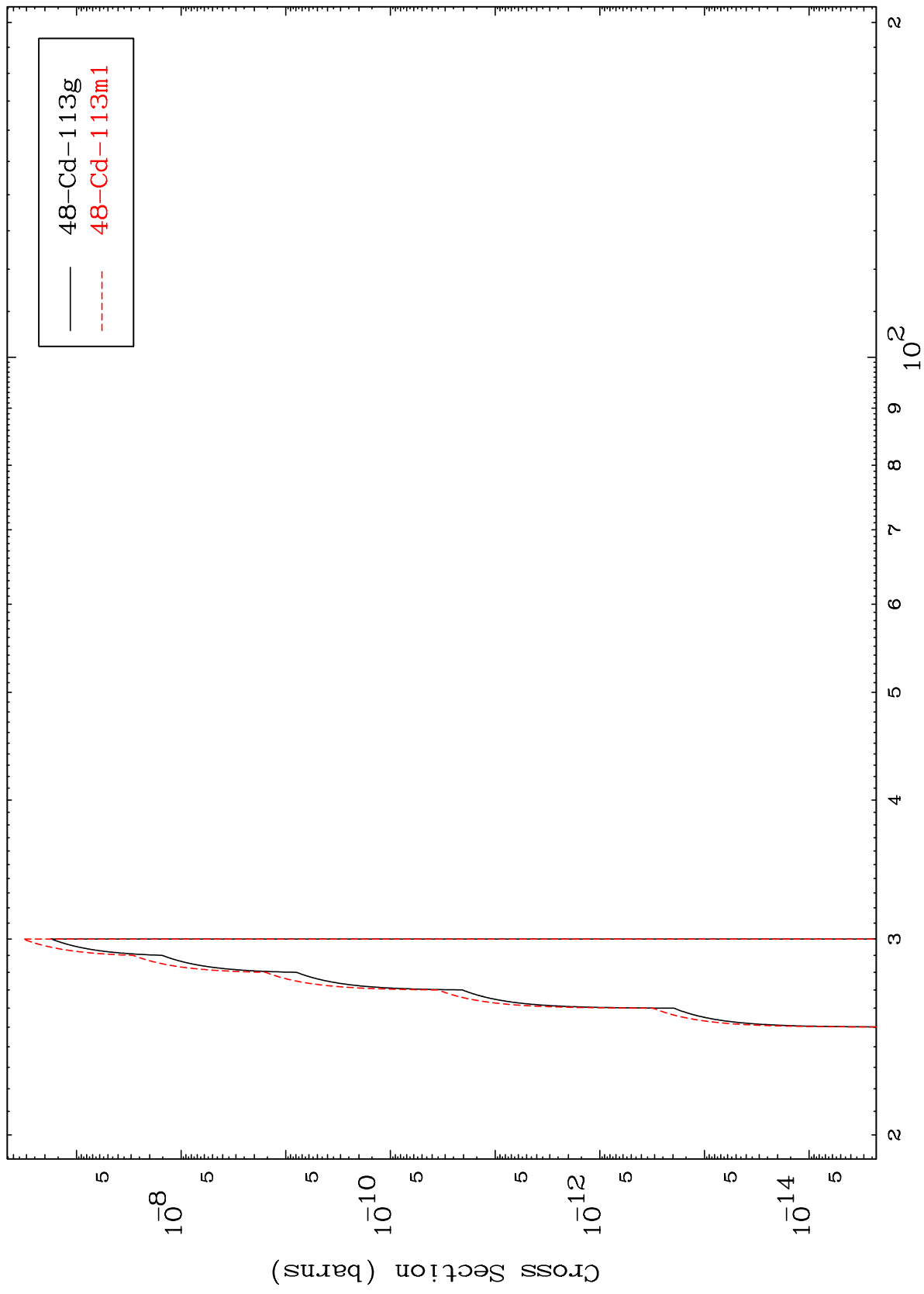
23

MAT 5047

(n,3n) α

50-Sn-119m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

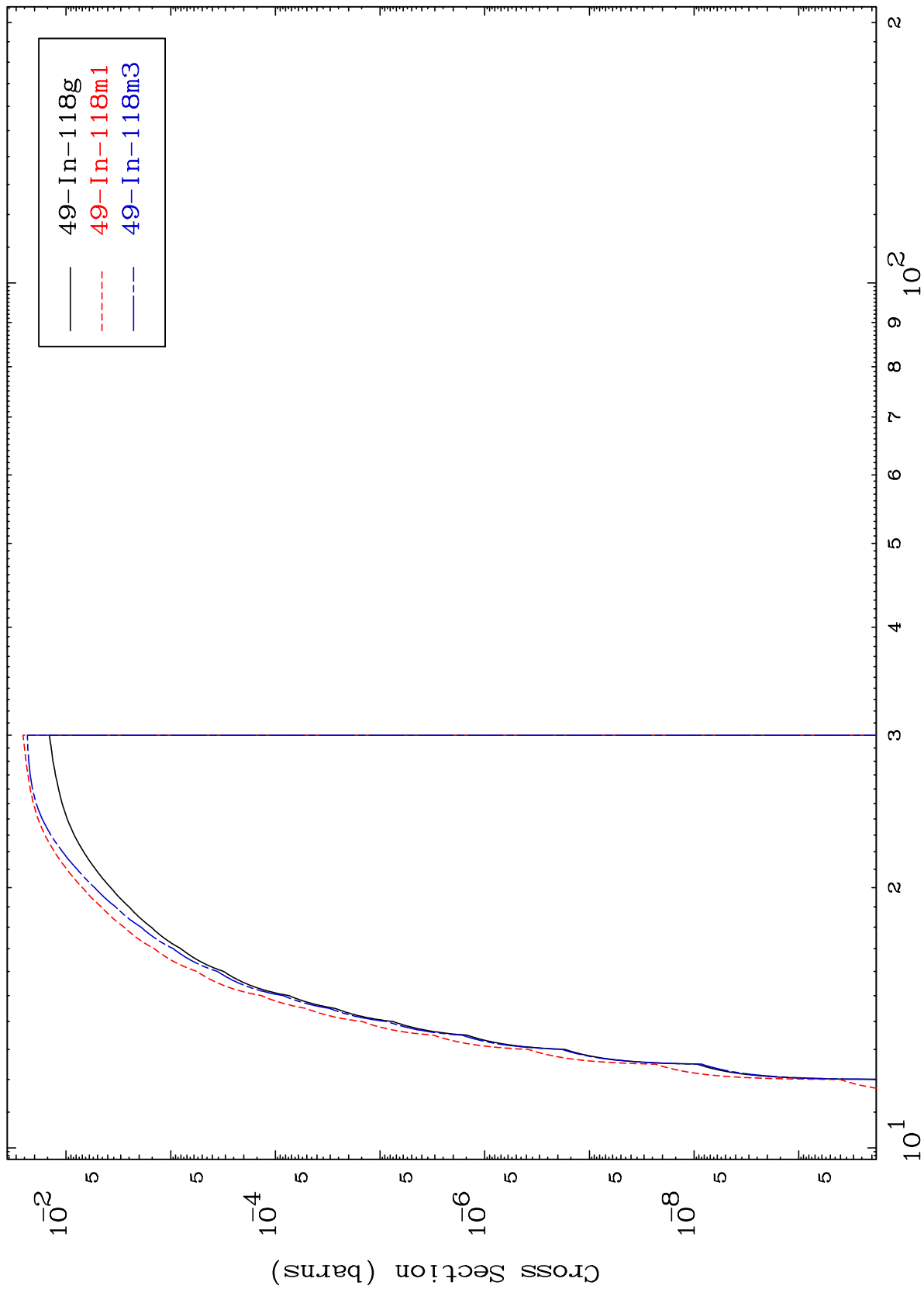
50-Sn-119m

MAT 5047

(n,n') p

50-Sn-119m

Radionuclide Production Cross Section



Incident Energy (MeV)

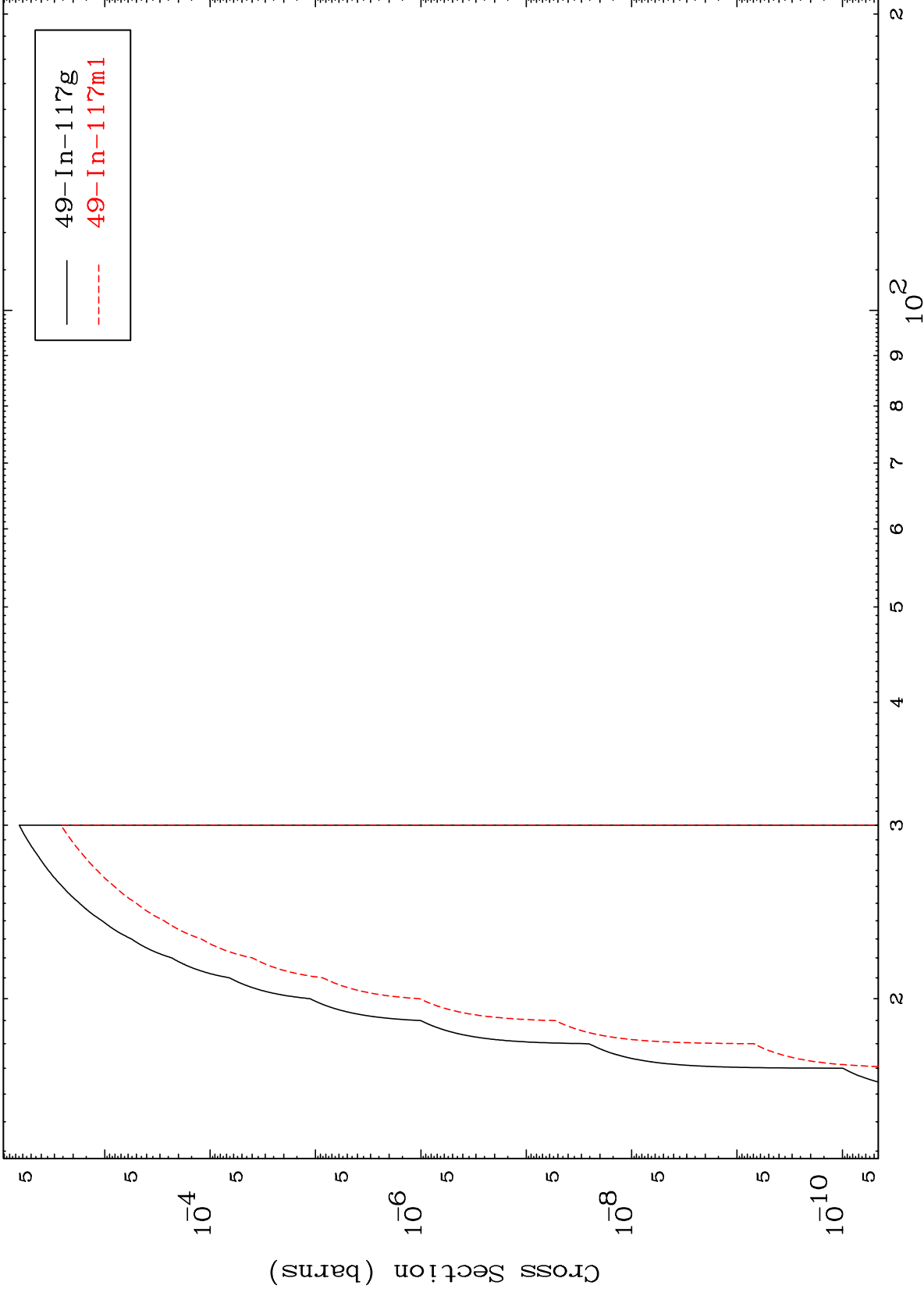
50-Sn-119m

MAT 5047

(n,n') d

50-Sn-119m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

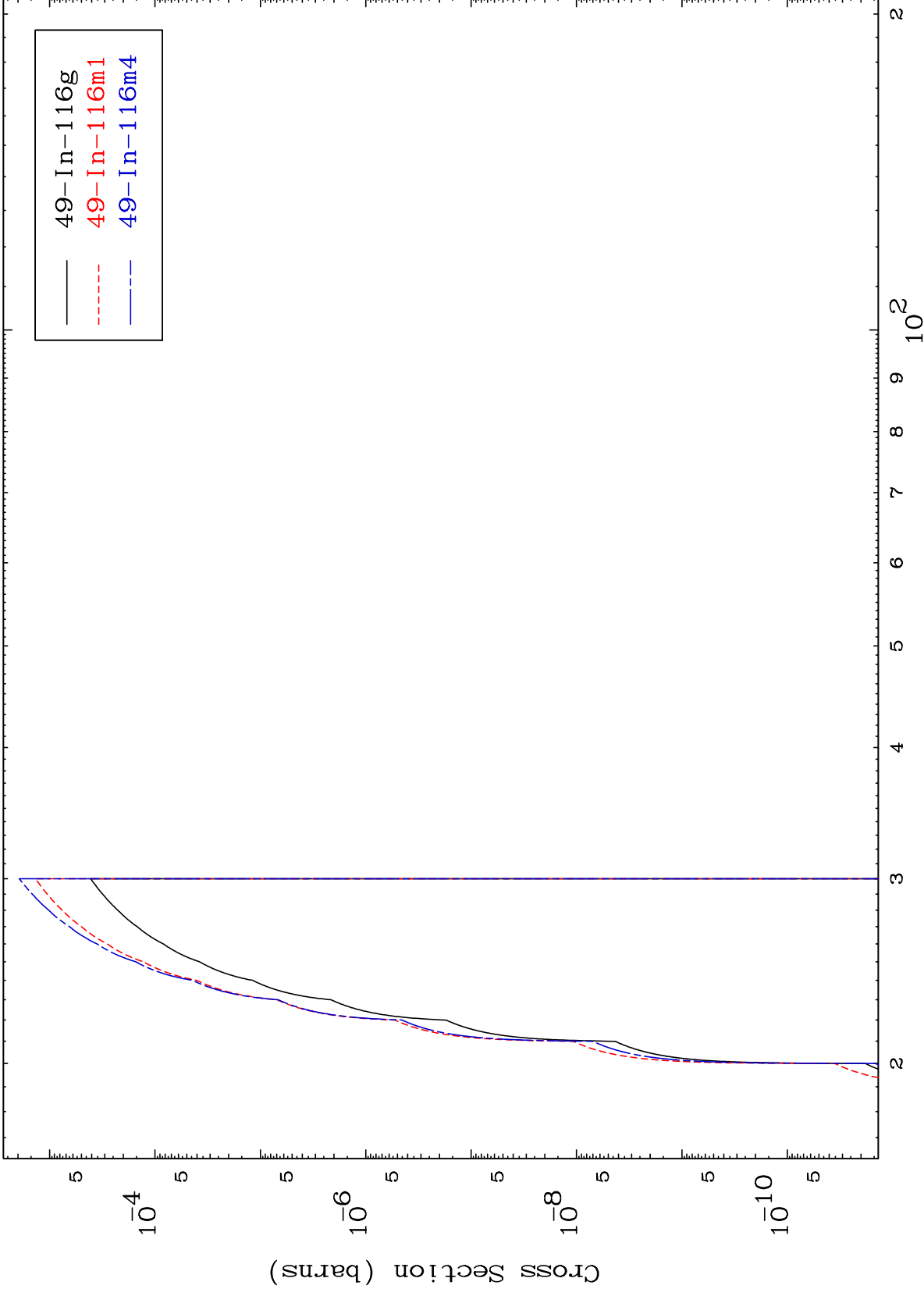
50-Sn-119m

MAT 5047

(n,n') t

50-Sn-119m

Radionuclide Production Cross Section

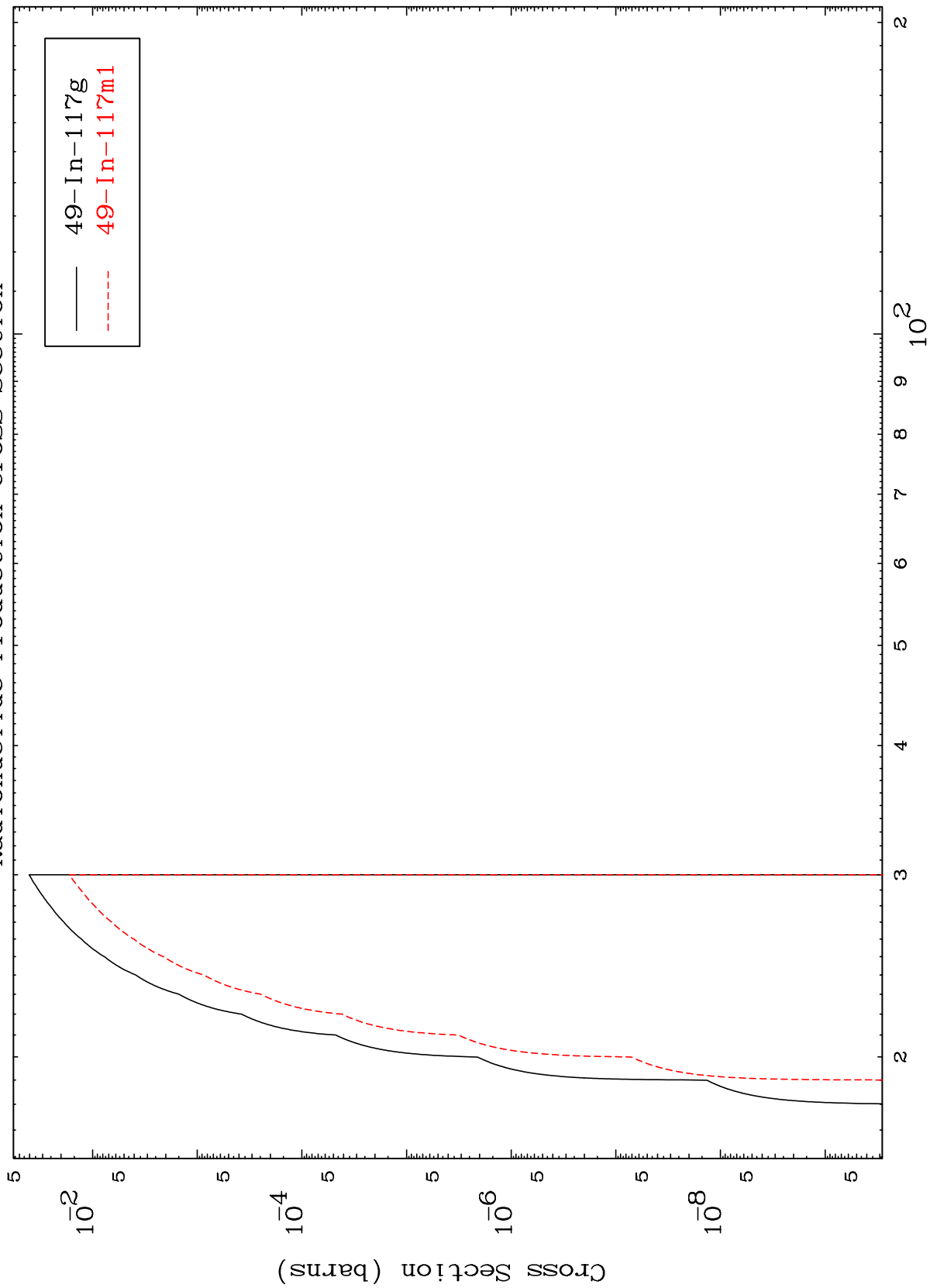


MAT 5047

(n,2n) p

50-Sn-119m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

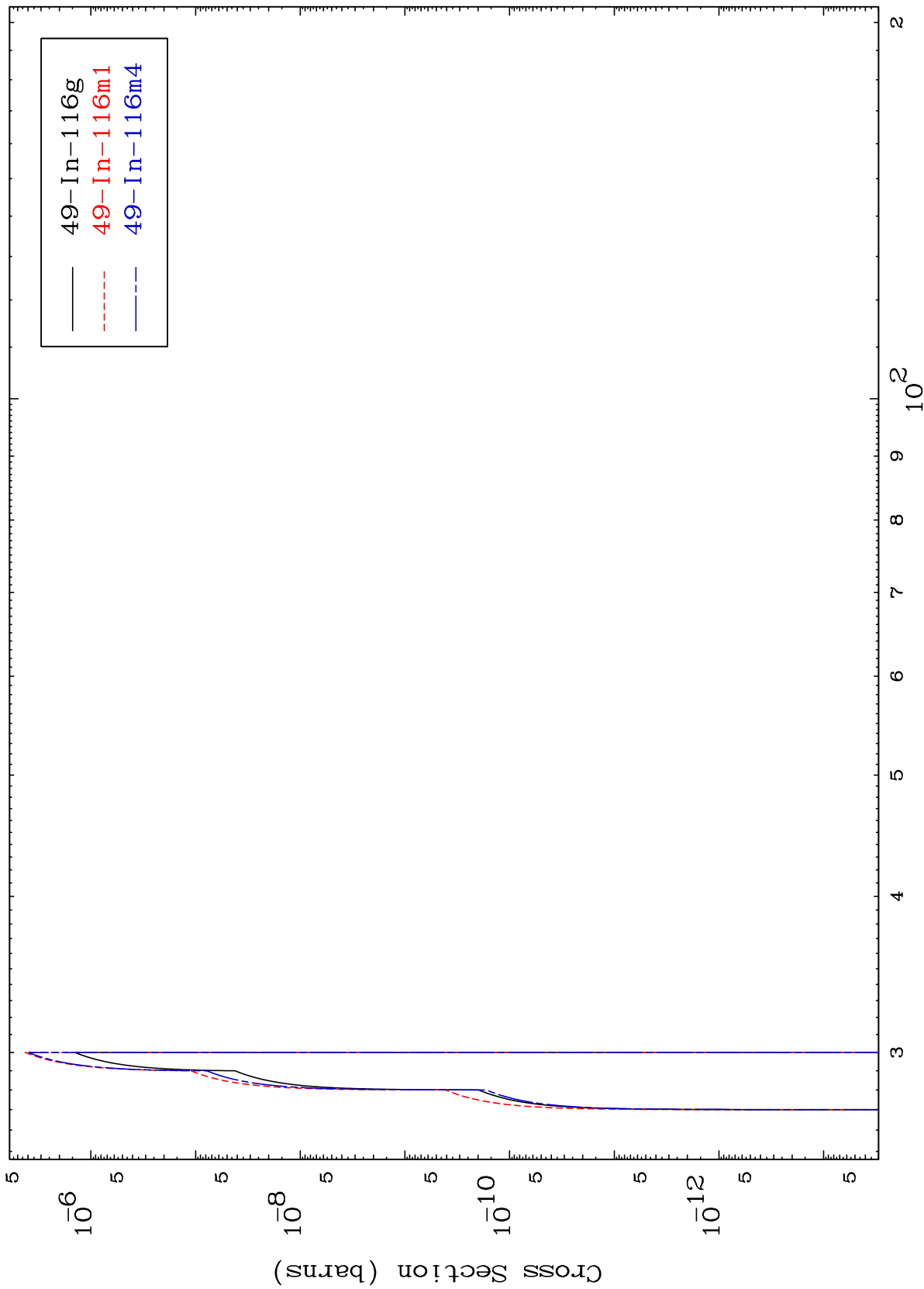
50-Sn-119m

MAT 5047

(n,3n) p

50-Sn-119m

Radionuclide Production Cross Section



29

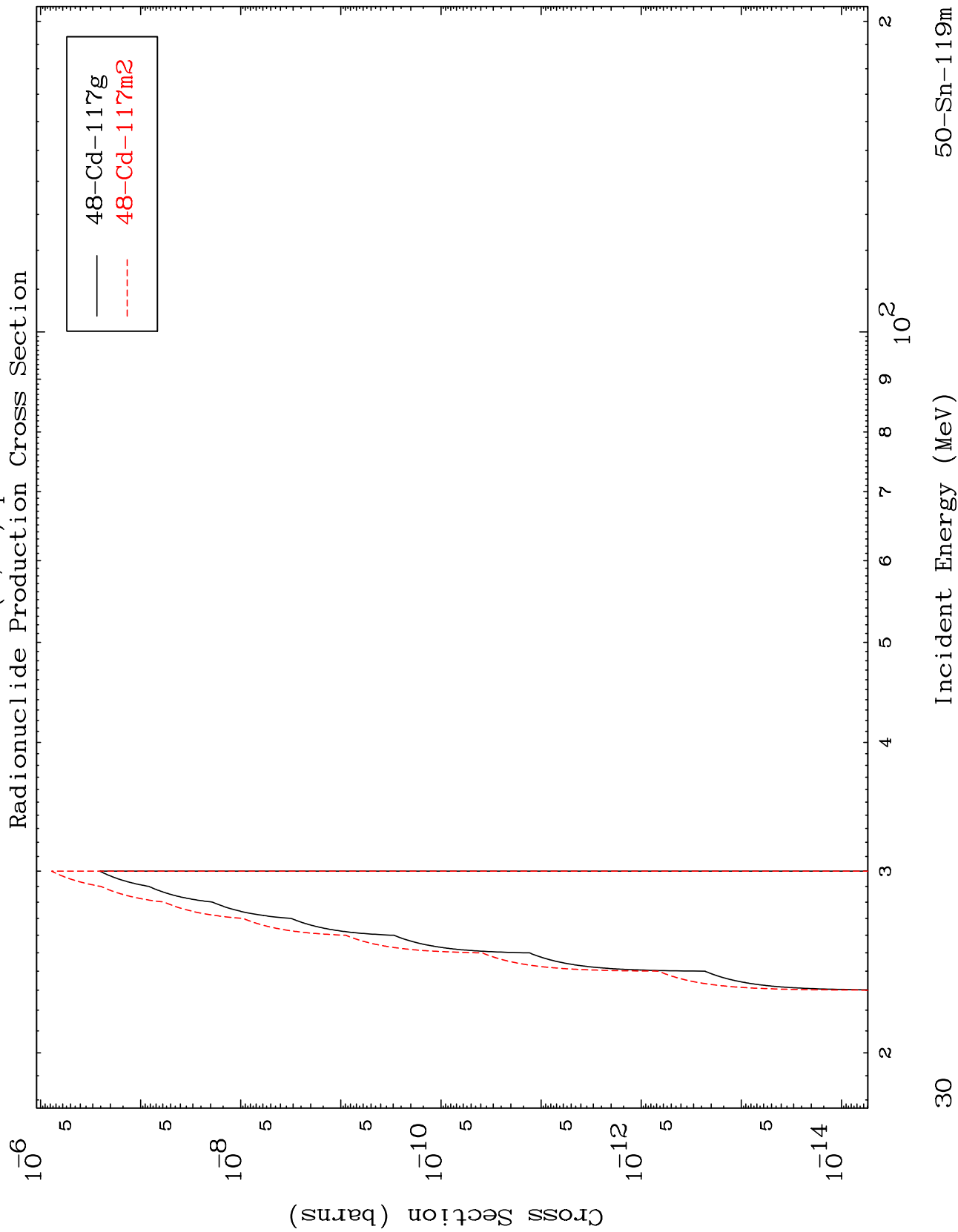
Incident Energy (MeV)

50-Sn-119m

MAT 5047

(n,2n) p

50-Sn-119m



30

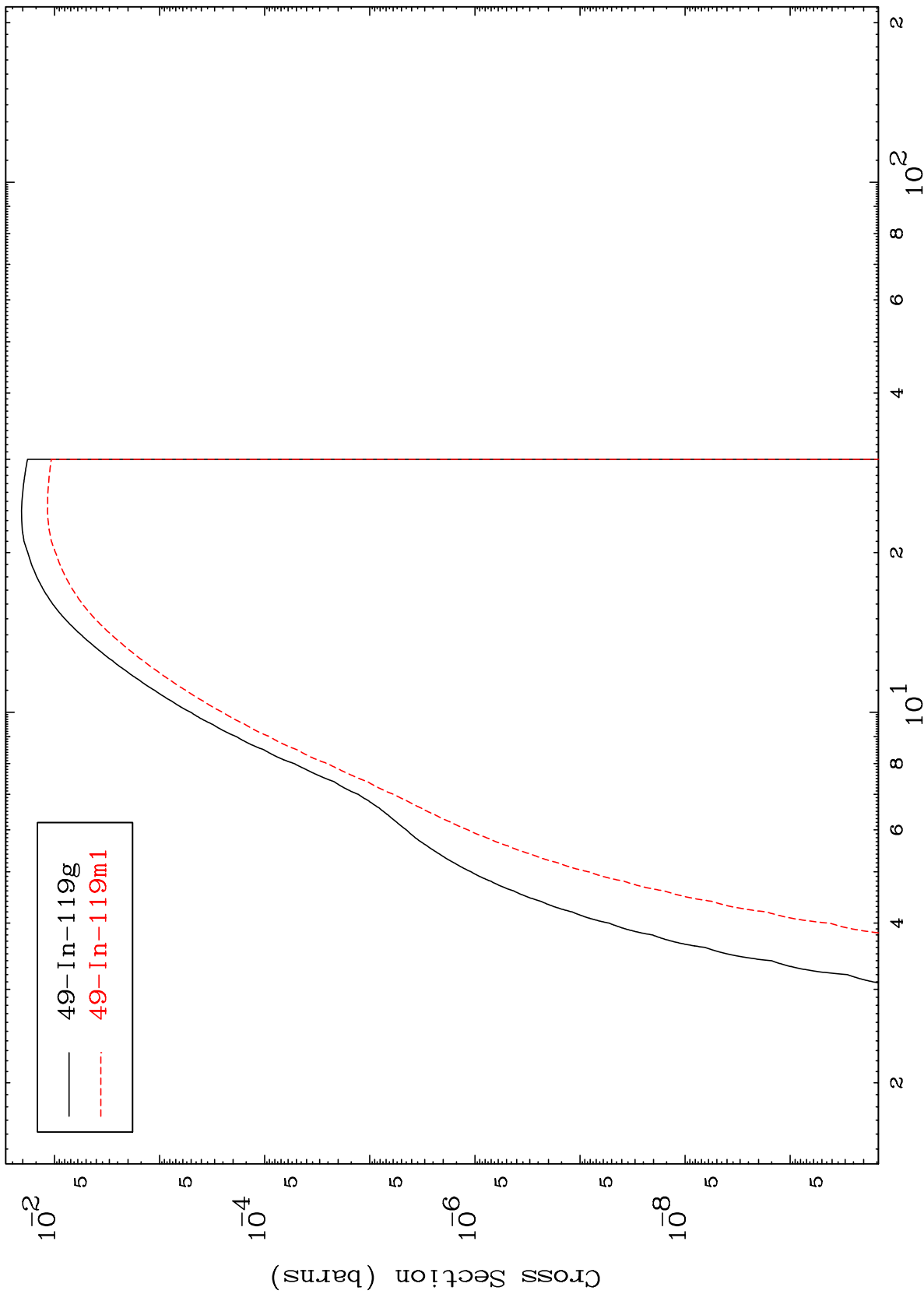
Incident Energy (MeV)

50-Sn-119m

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50-Sn-119m

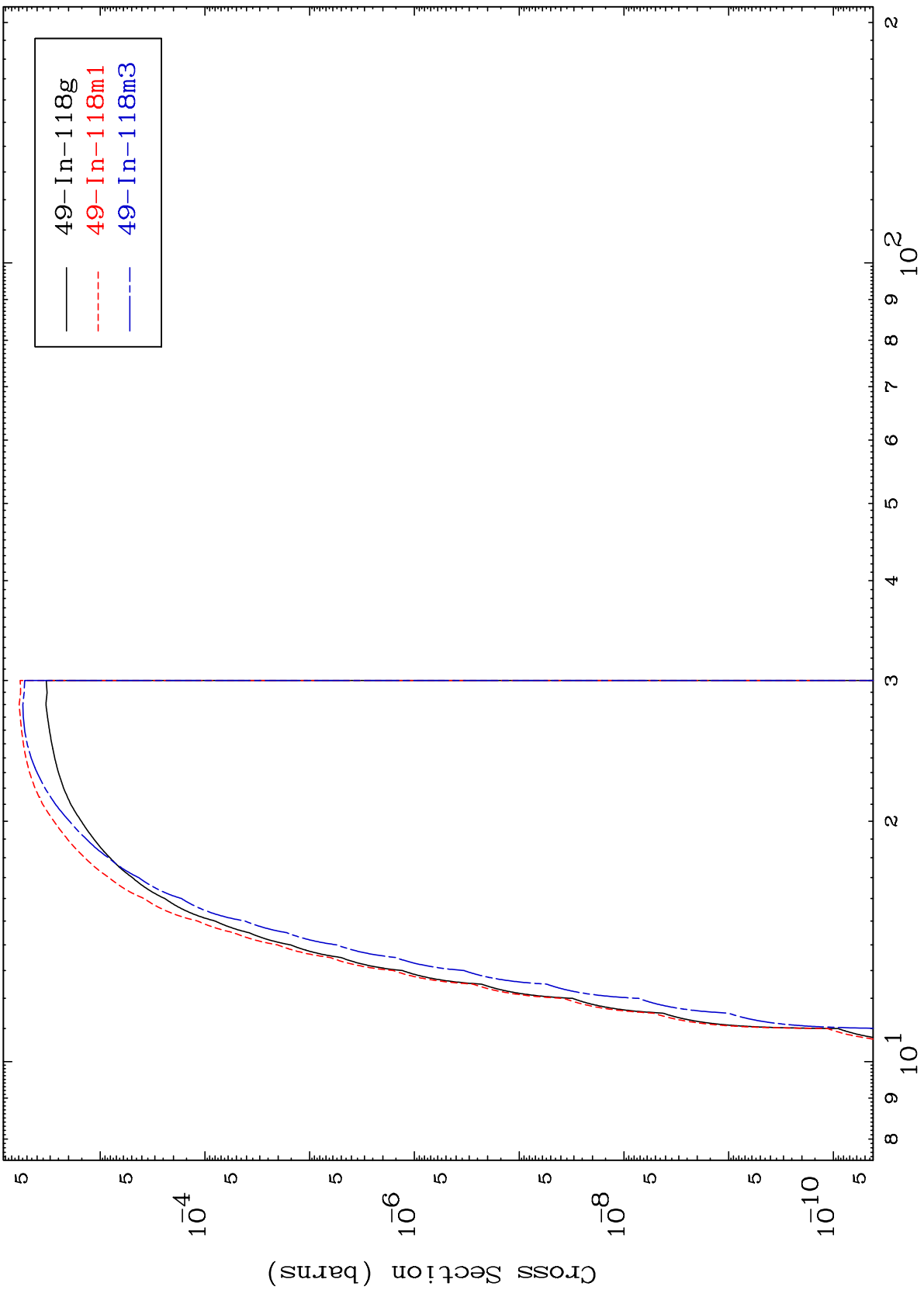
(n,p)
Radionuclide Production Cross Section



MAT 5047

50-Sn-119m

(n,d)
Radionuclide Production Cross Section



32

Incident Energy (MeV)

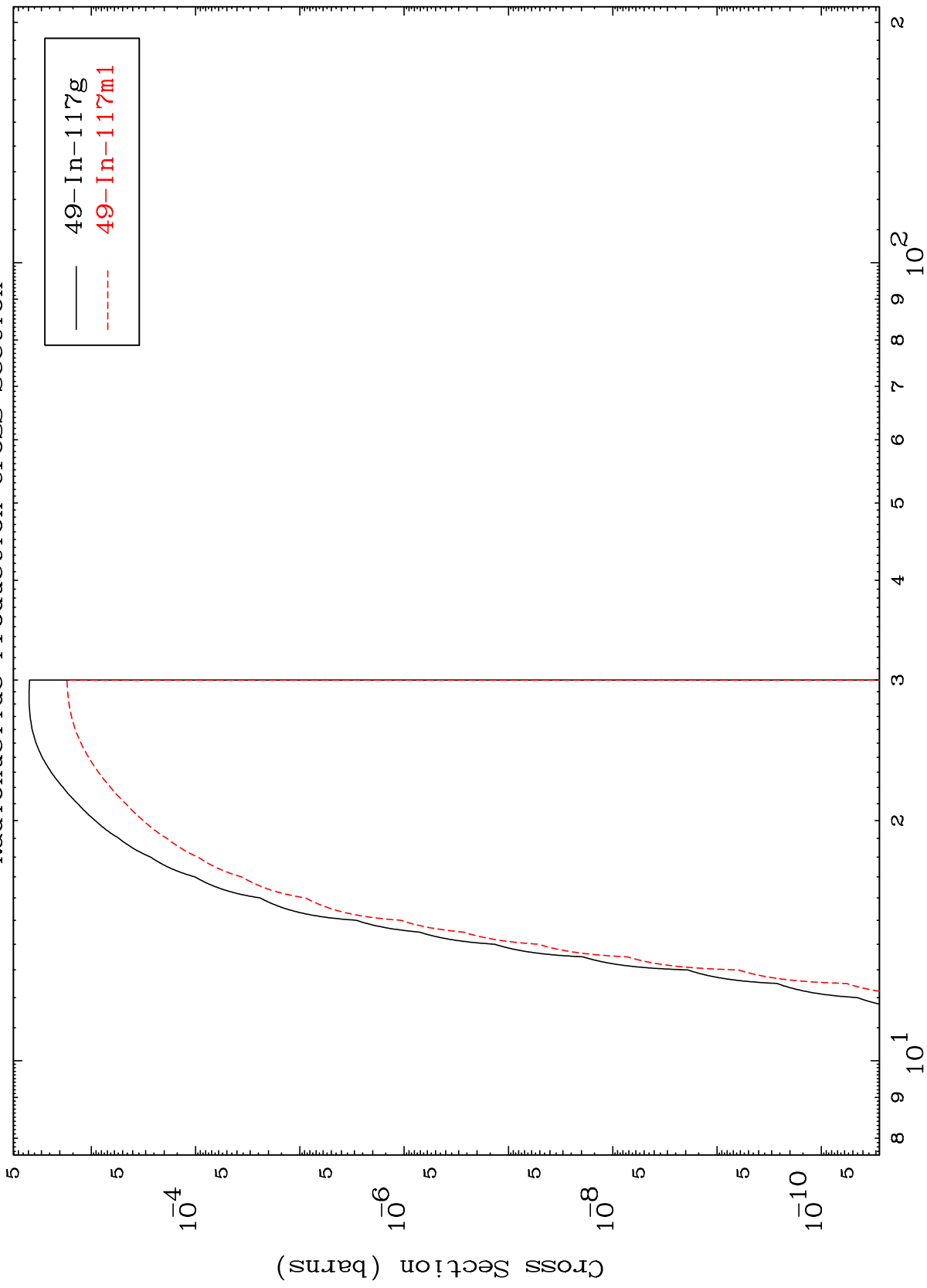
50-Sn-119m

MAT 5047

(n, t)

50-Sn-119m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

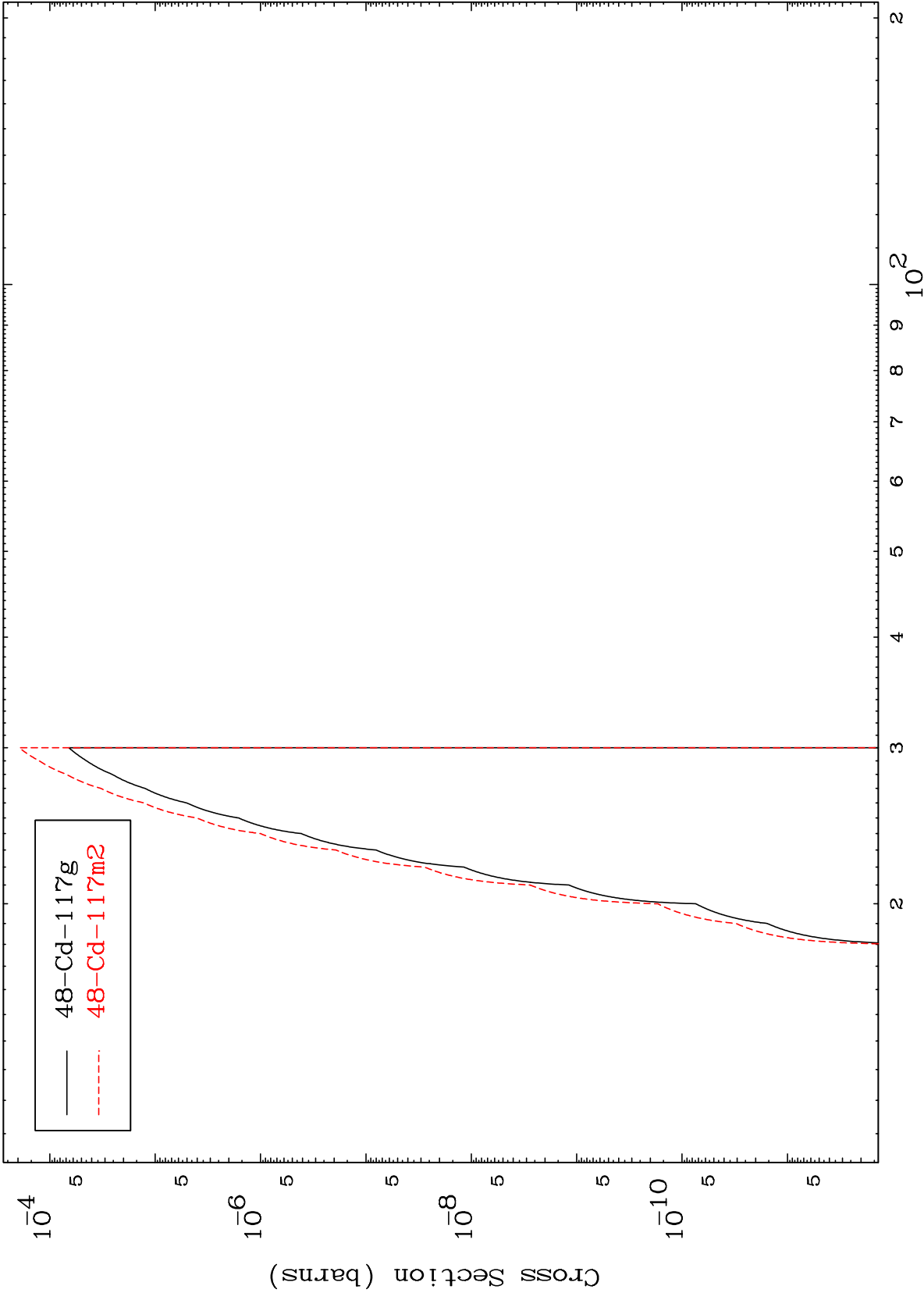
50-Sn-119m

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(n,He-3)

50-Sn-119m

Radionuclide Production Cross Section



Incident Energy (MeV)

50-Sn-119m

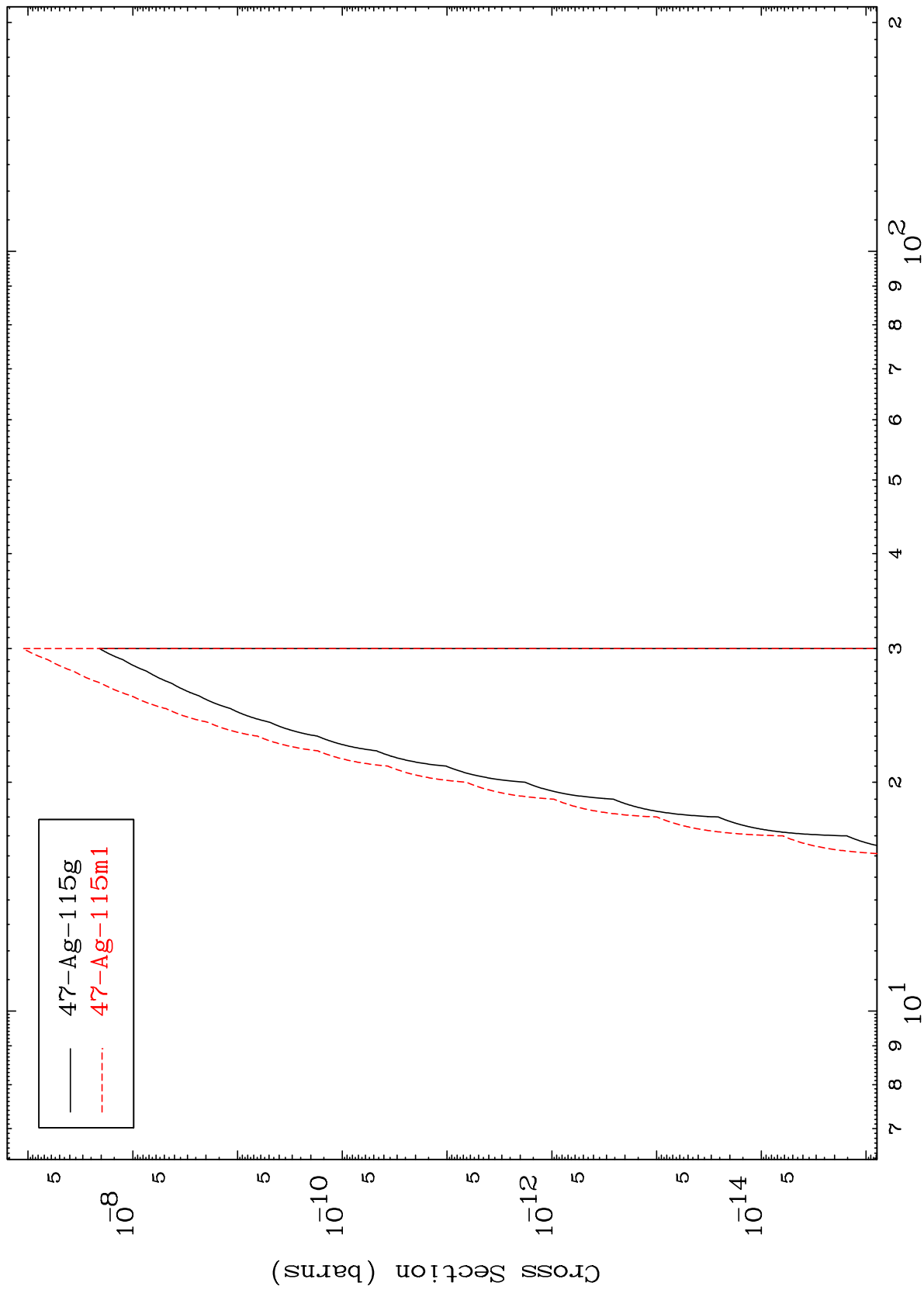
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50-Sn-119m

(n,p) α

Radionuclide Production Cross Section



35

Incident Energy (MeV)

50-Sn-119m

