

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

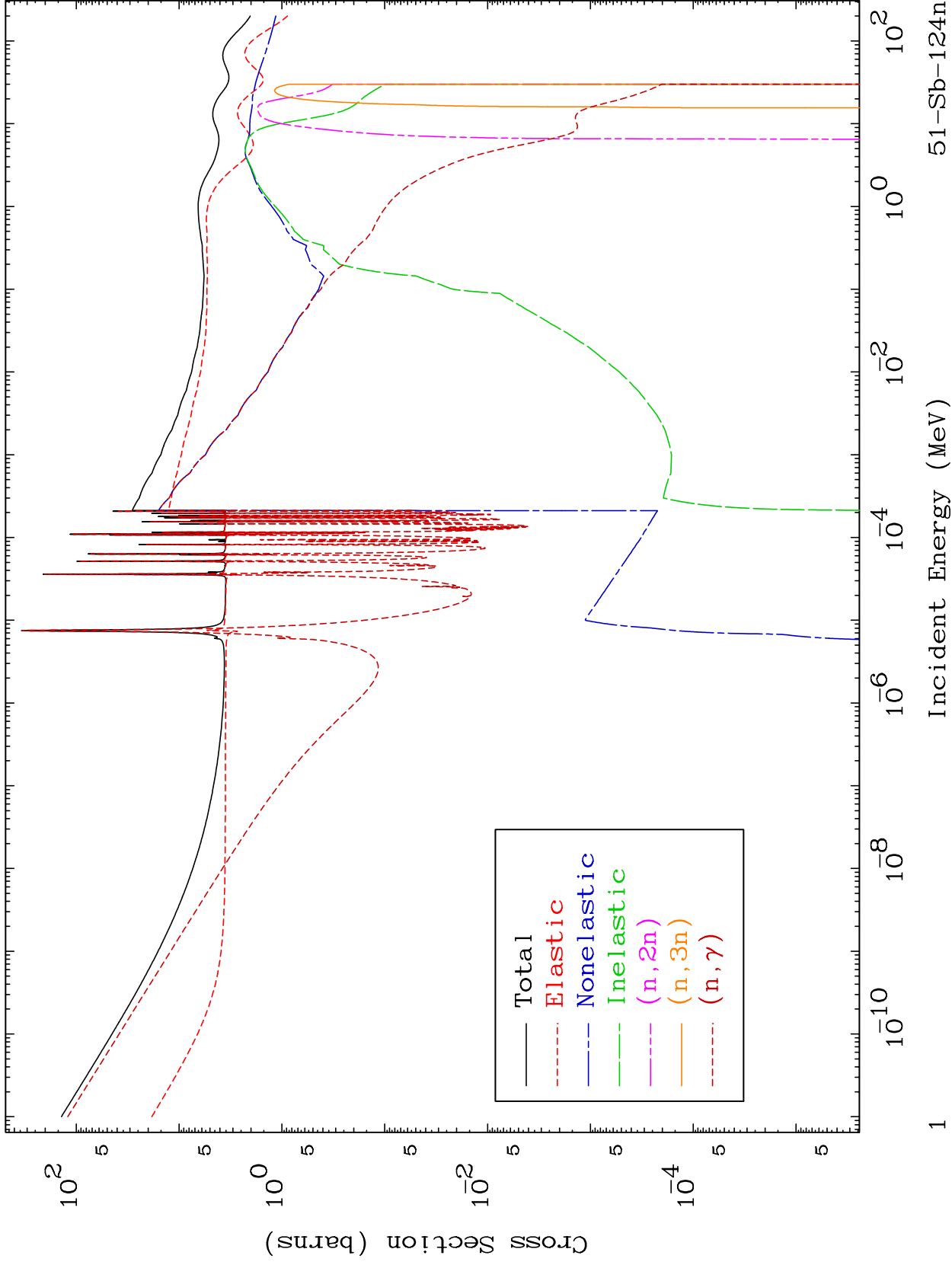
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5136

Neutron Major
293 Kelvin Cross Sections

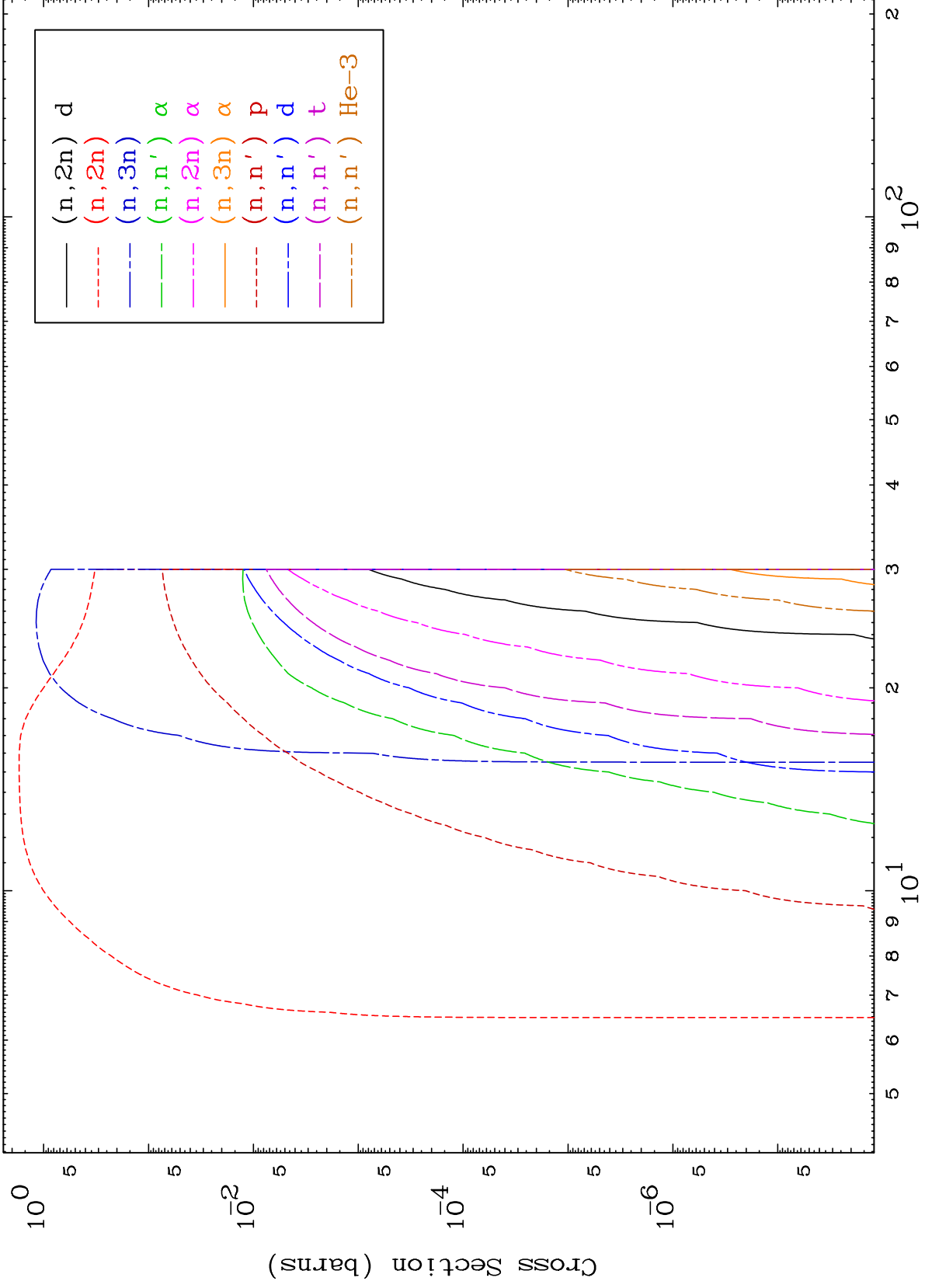
51-Sb-124n



MAT 5136

Neutron Absorption
293 Kelvin Cross Sections

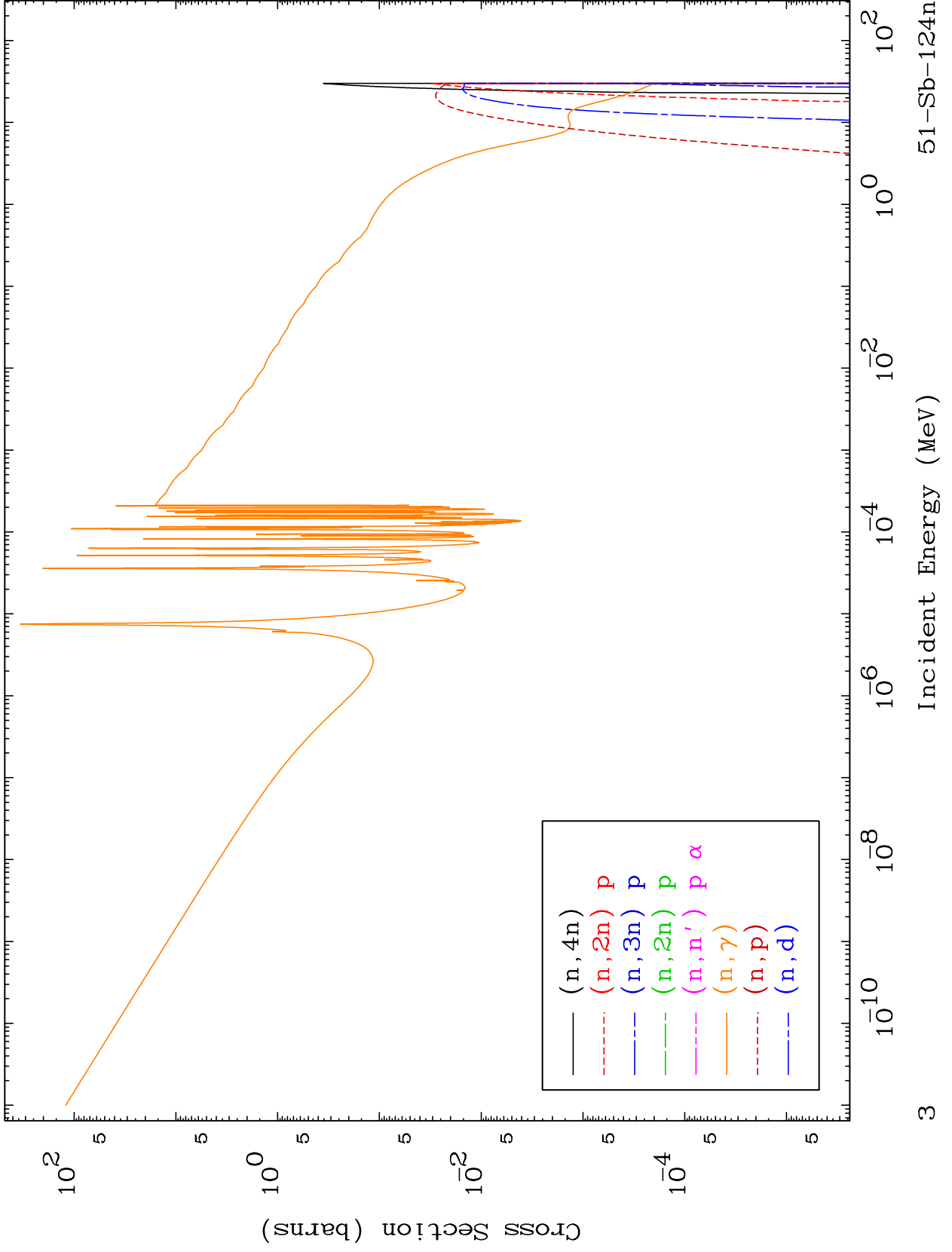
51-Sb-124n



MAT 5136

Neutron Absorption
293 Kelvin Cross Sections

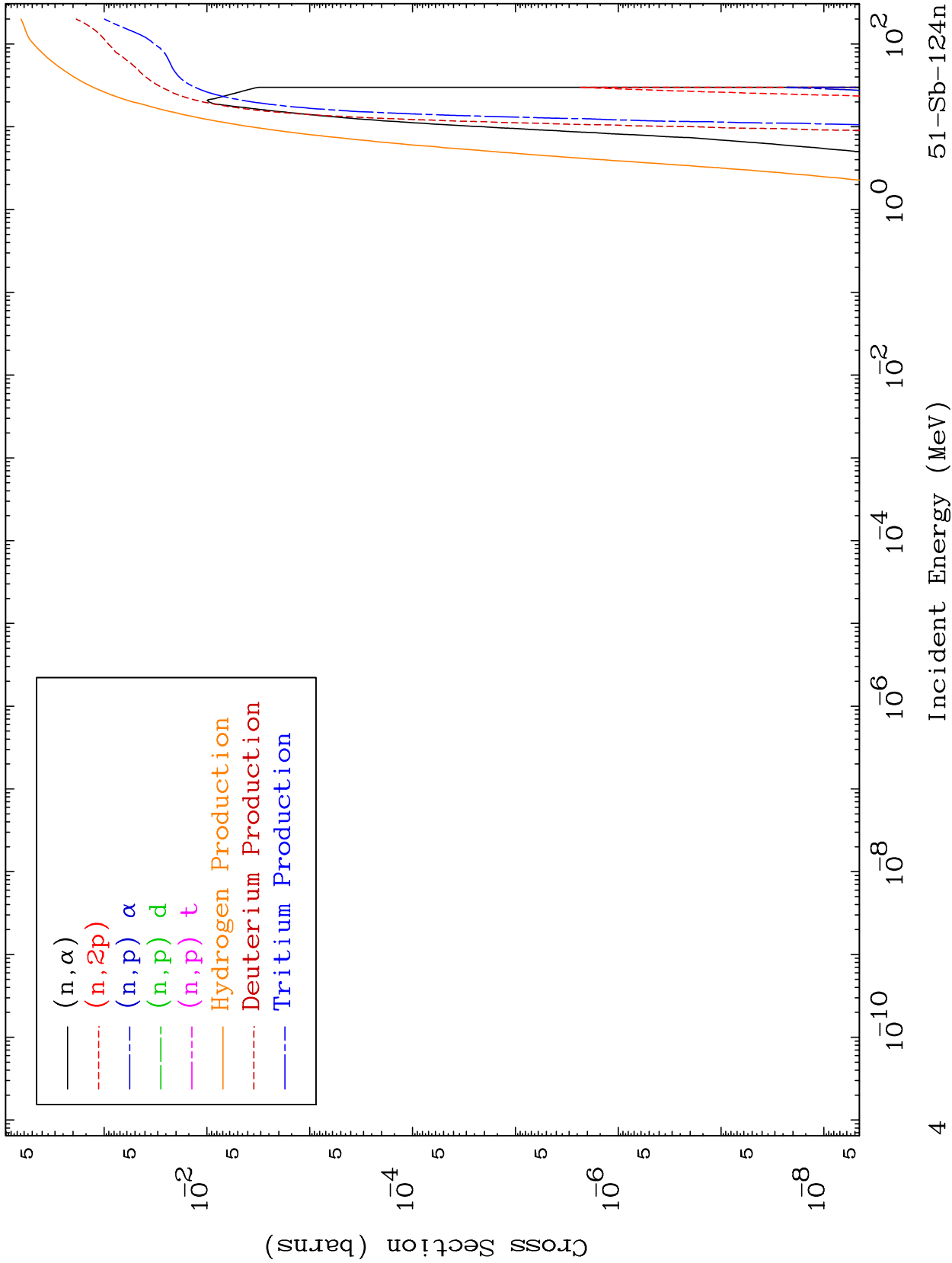
51-Sb-124n



MAT 5136

Neutron Absorption
293 Kelvin Cross Sections

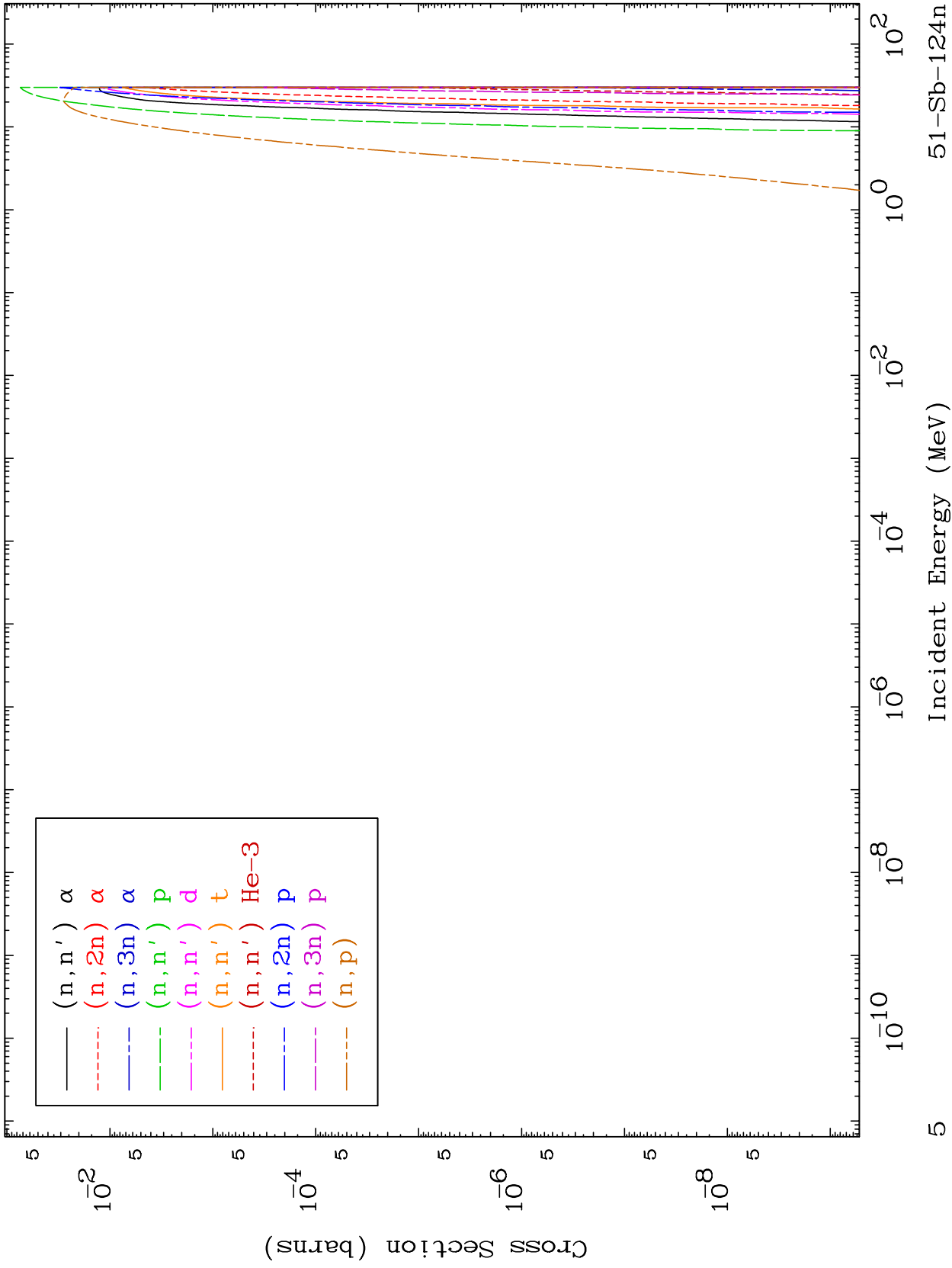
51-Sb-124n



MAT 5136

Charged Particle
293 Kelvin Cross Sections

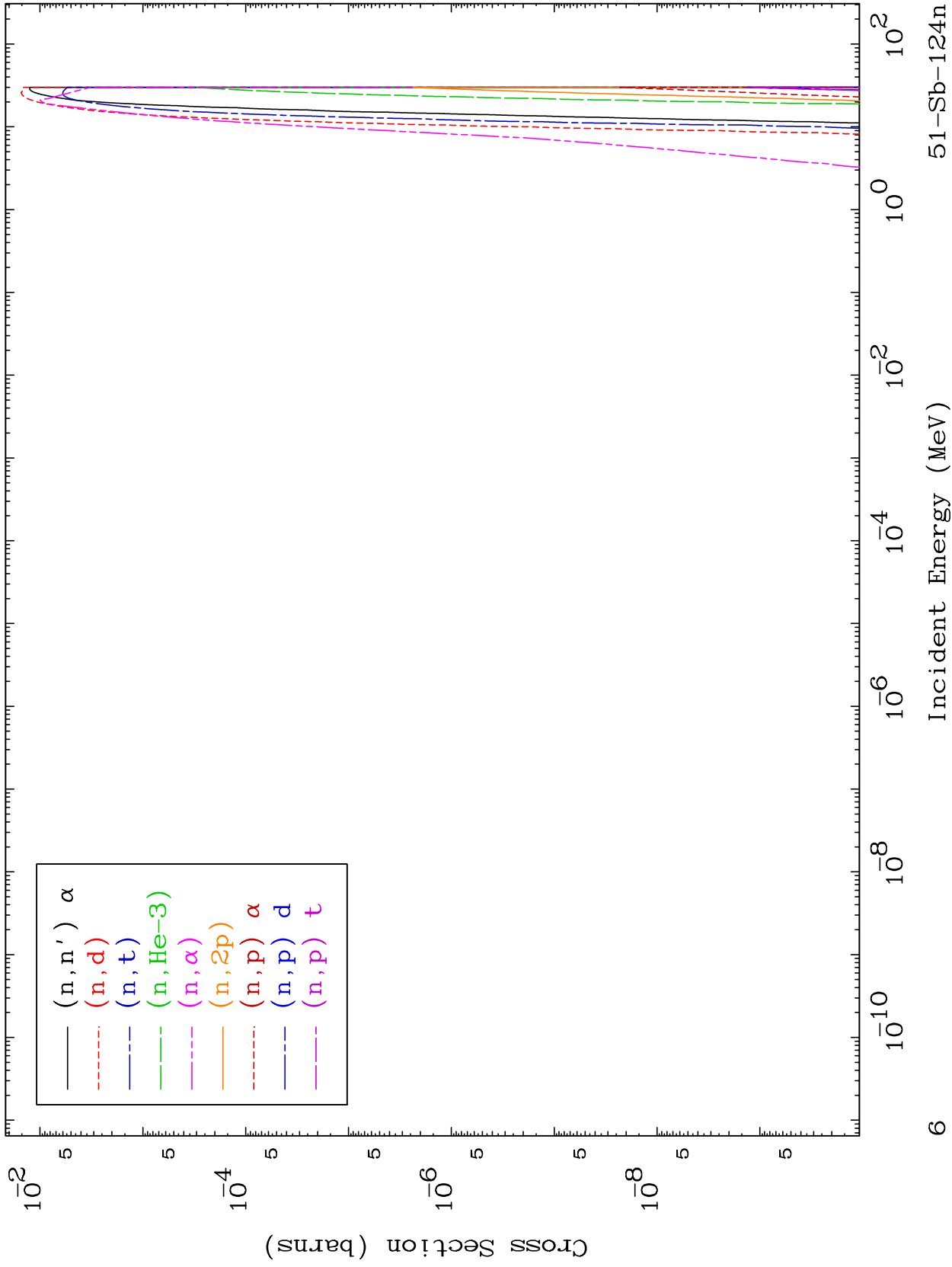
51-Sb-124n



MAT 5136

Charged Particle
293 Kelvin Cross Sections

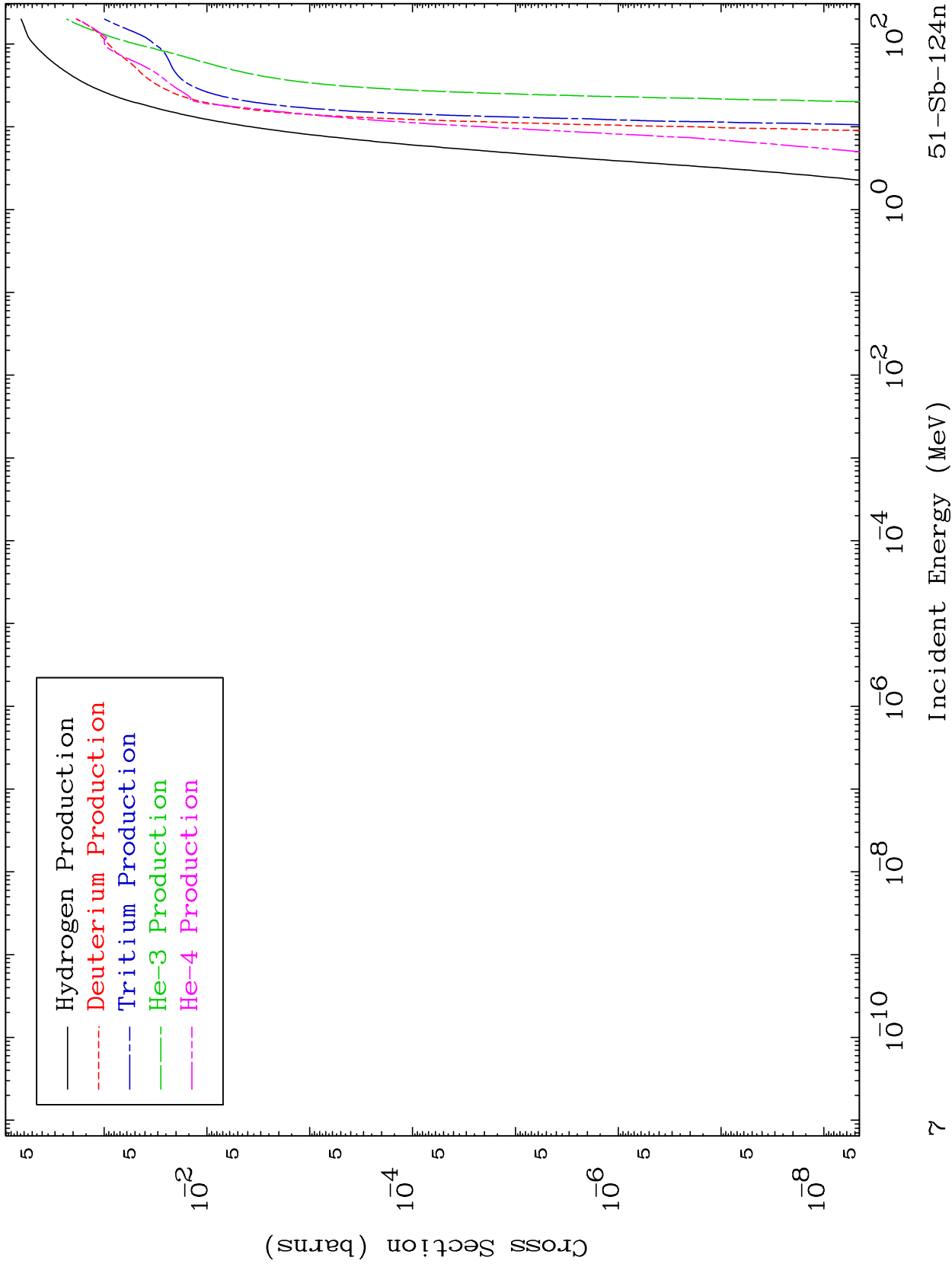
51-Sb-124n



MAT 5136

Particle Production
293 Kelvin Cross Sections

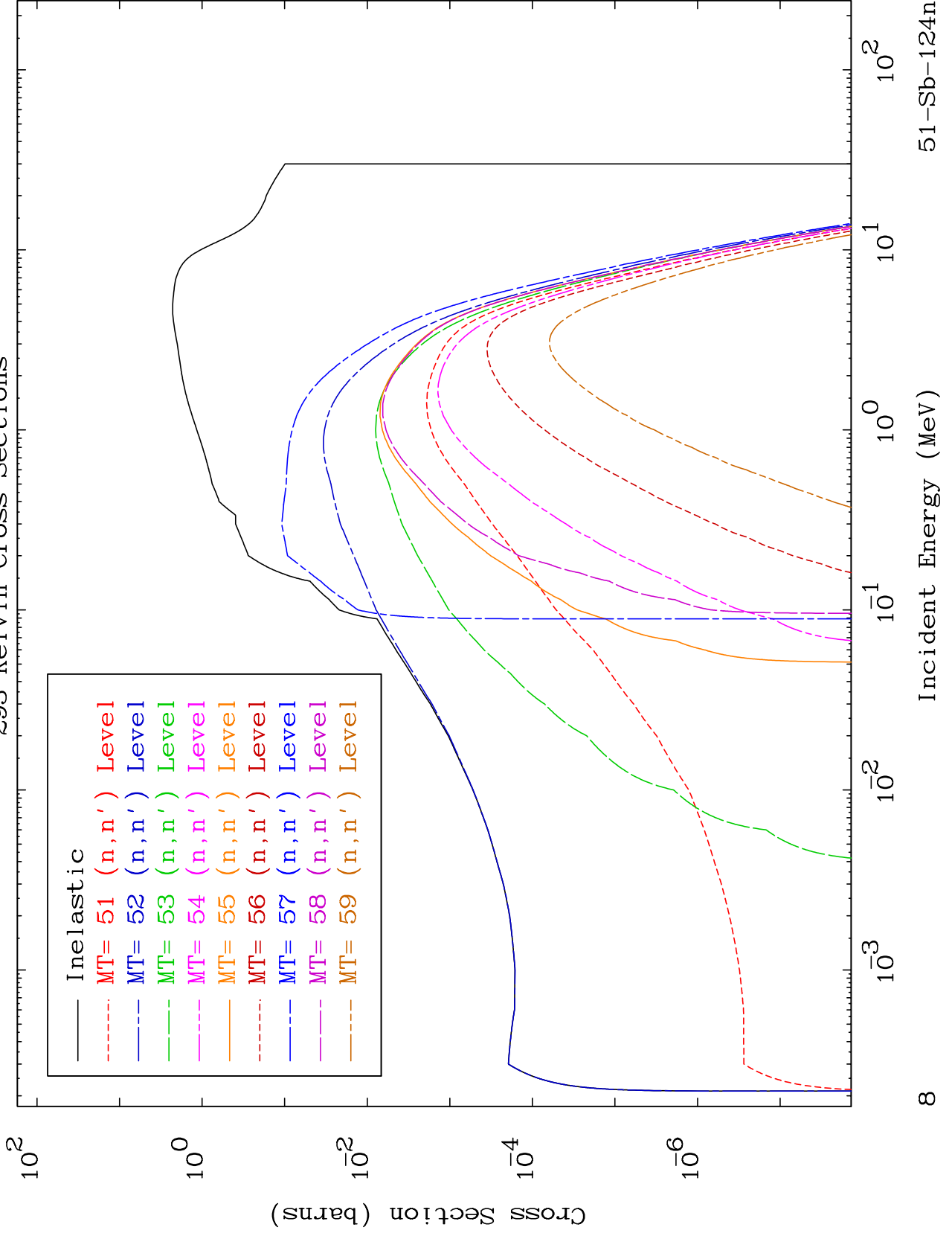
51-Sb-124n



MAT 5136

(n,n') Levels
293 Kelvin Cross Sections

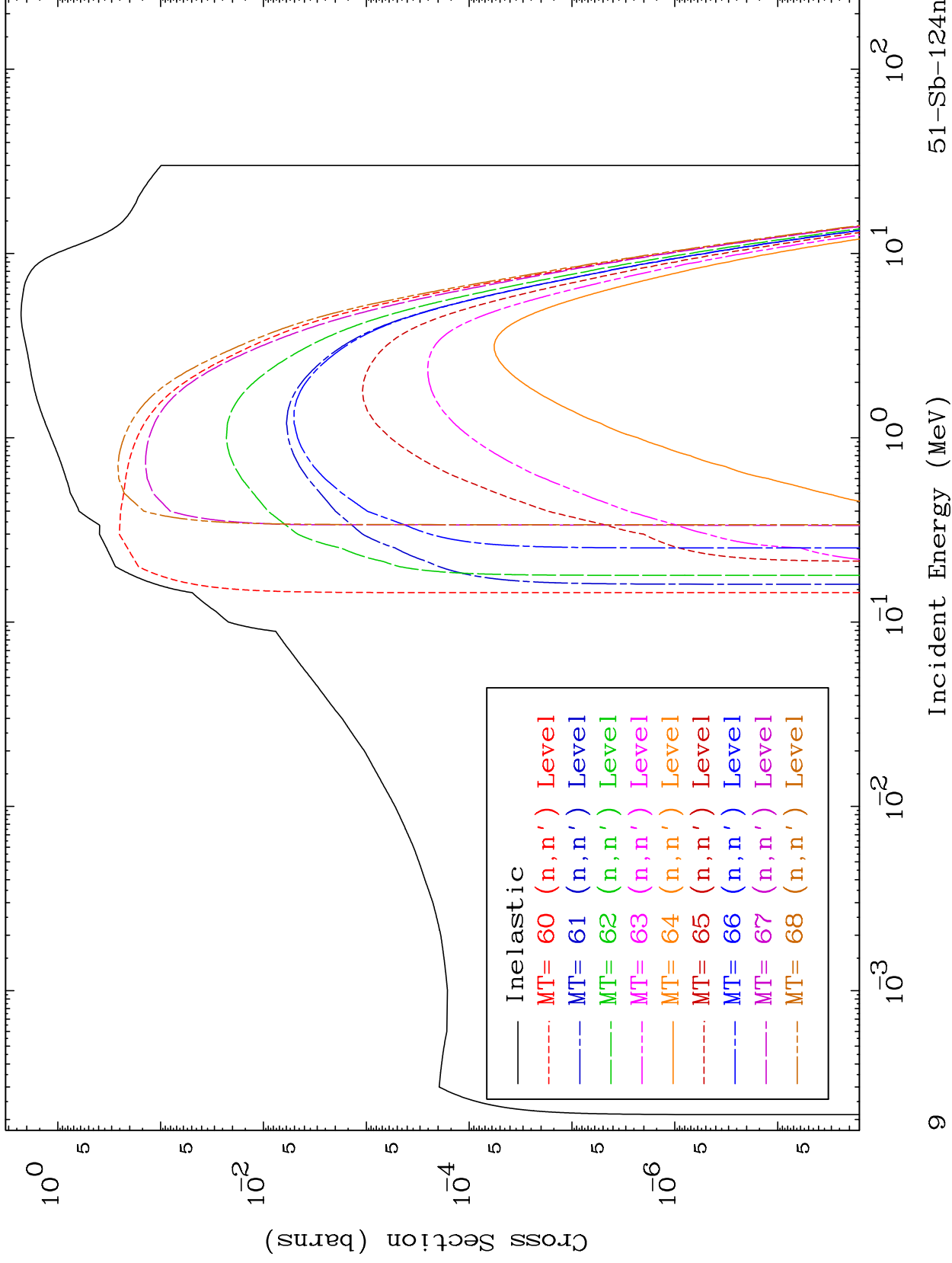
51-Sb-124n



MAT 5136

(n,n') Levels
293 Kelvin Cross Sections

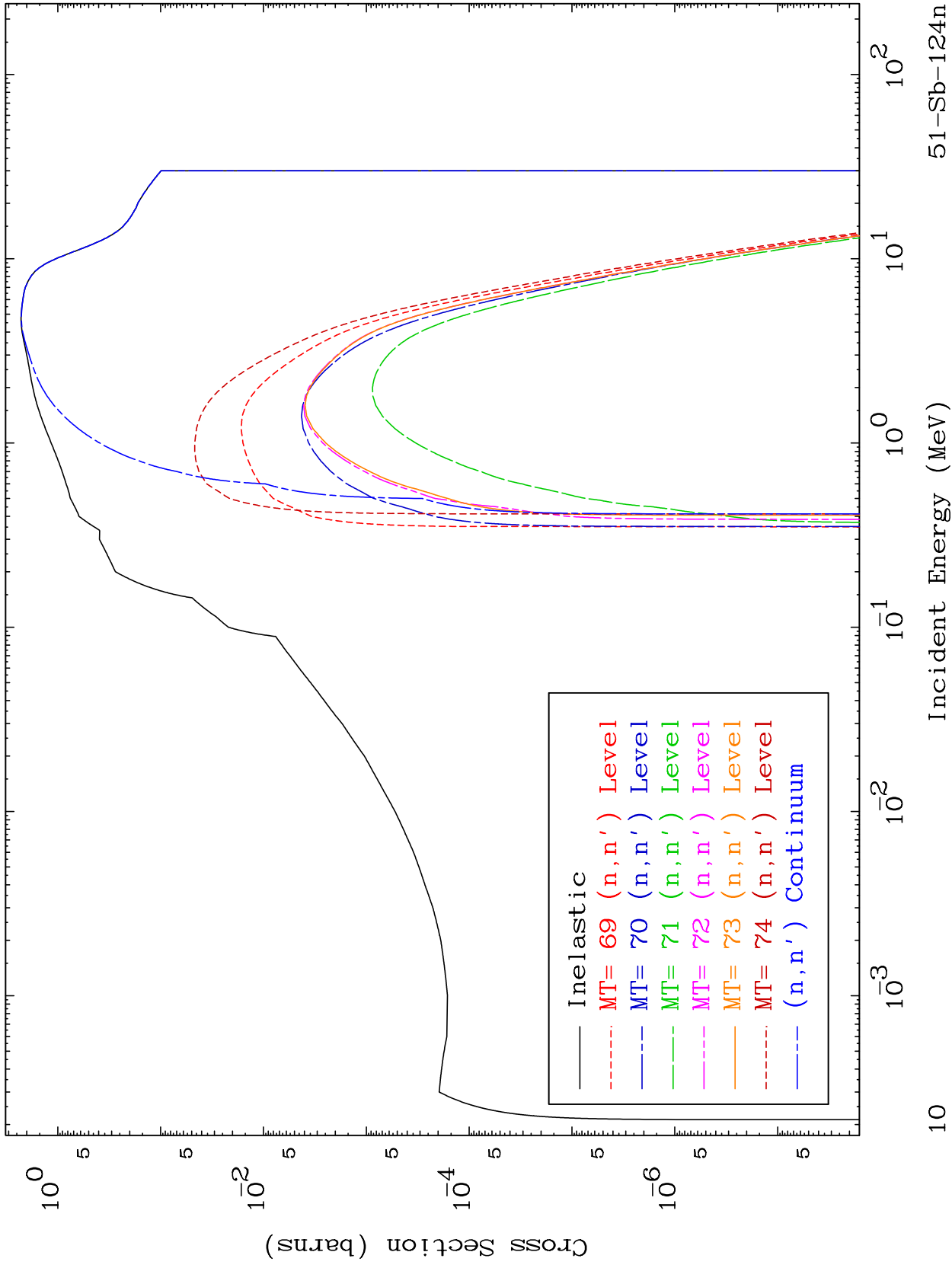
51-Sb-124n



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(n,n') Levels
293 Kelvin Cross Sections

51-Sb-124n



10

10⁻³

10⁻²

10⁻¹

10⁰

10¹

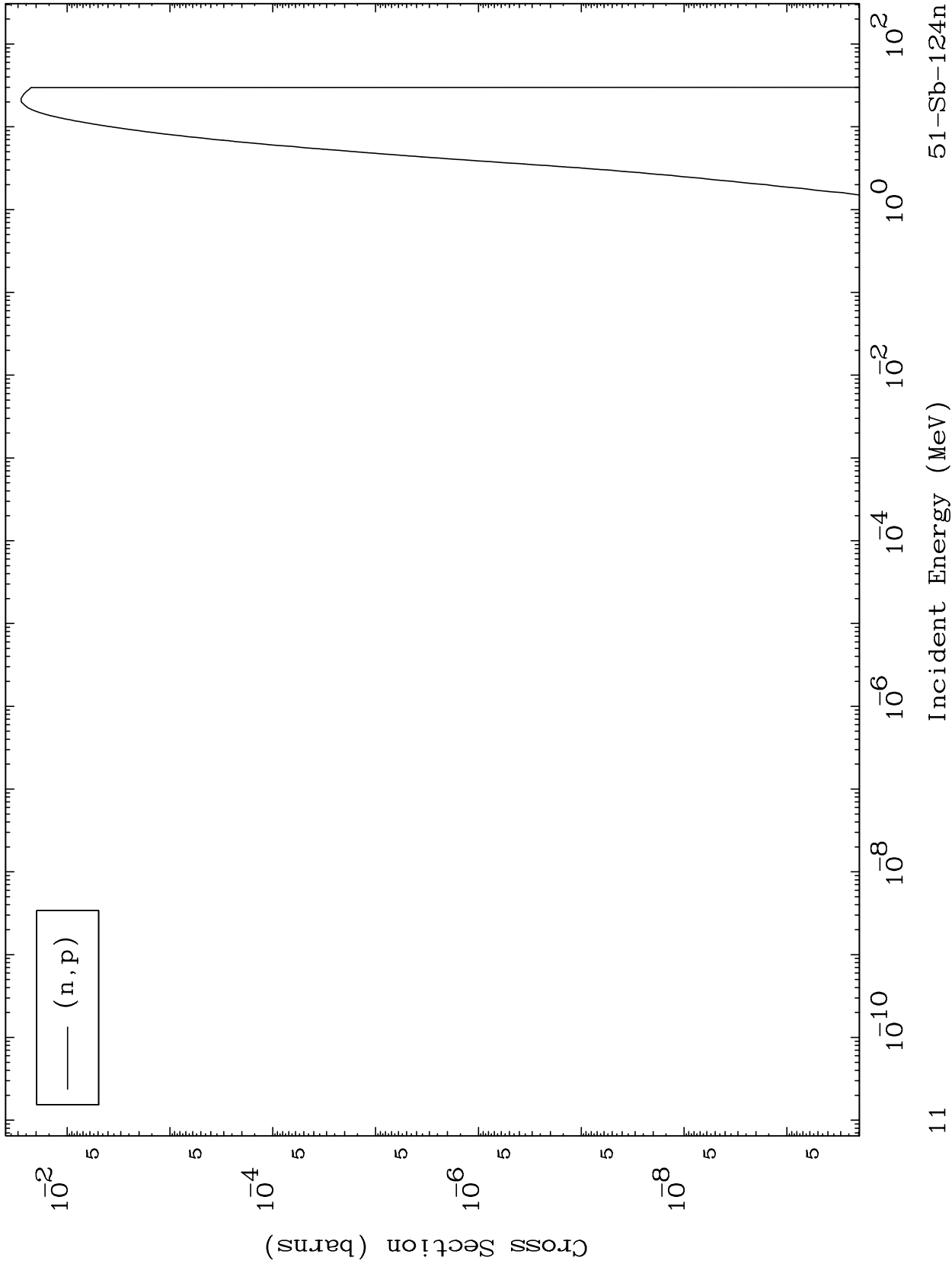
10²

51-Sb-124n

MAT 5136

(n,p) Levels
293 Kelvin Cross Sections

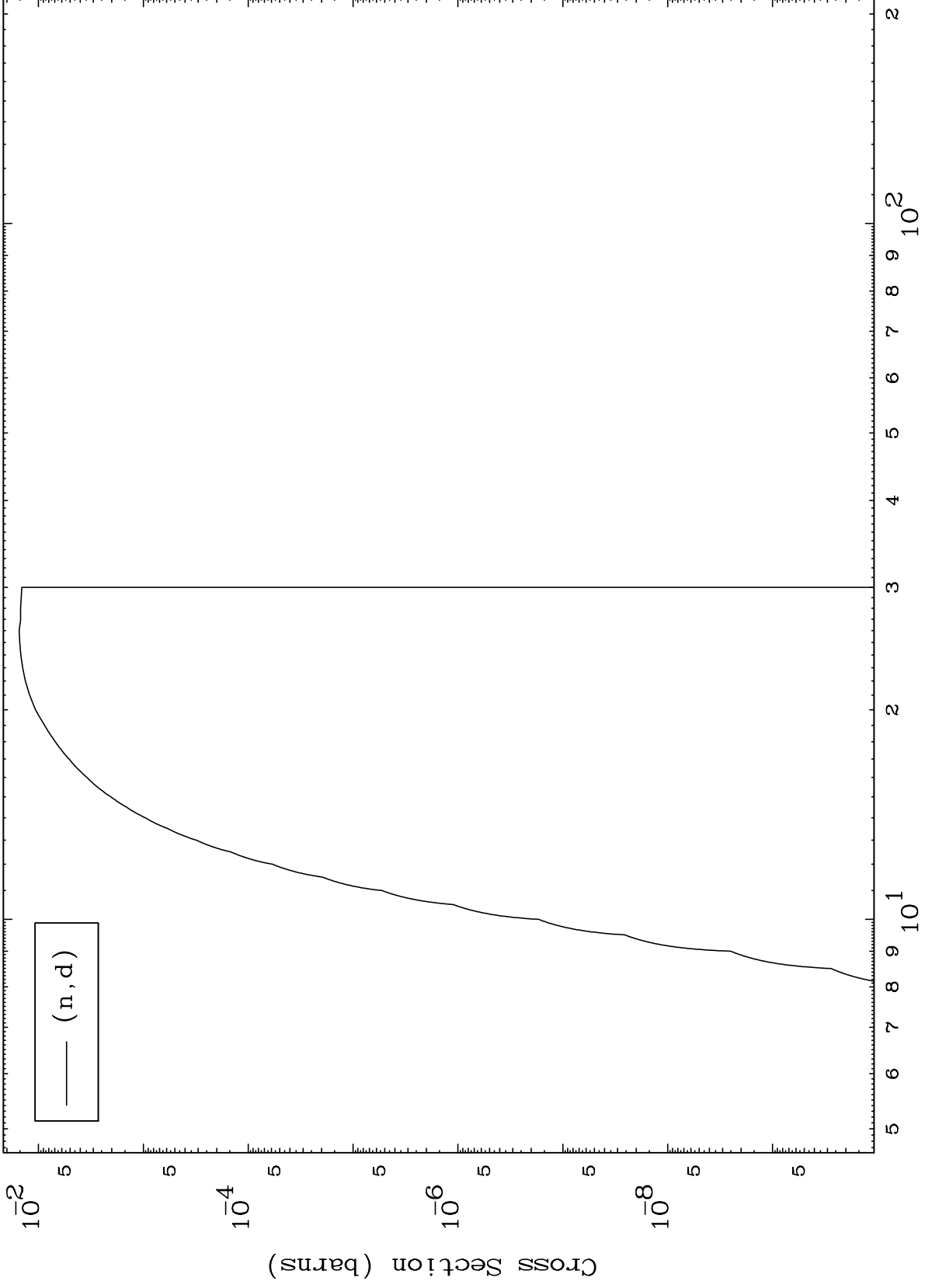
51-Sb-124n



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(n,d) Levels
293 Kelvin Cross Sections

51-Sb-124n



12

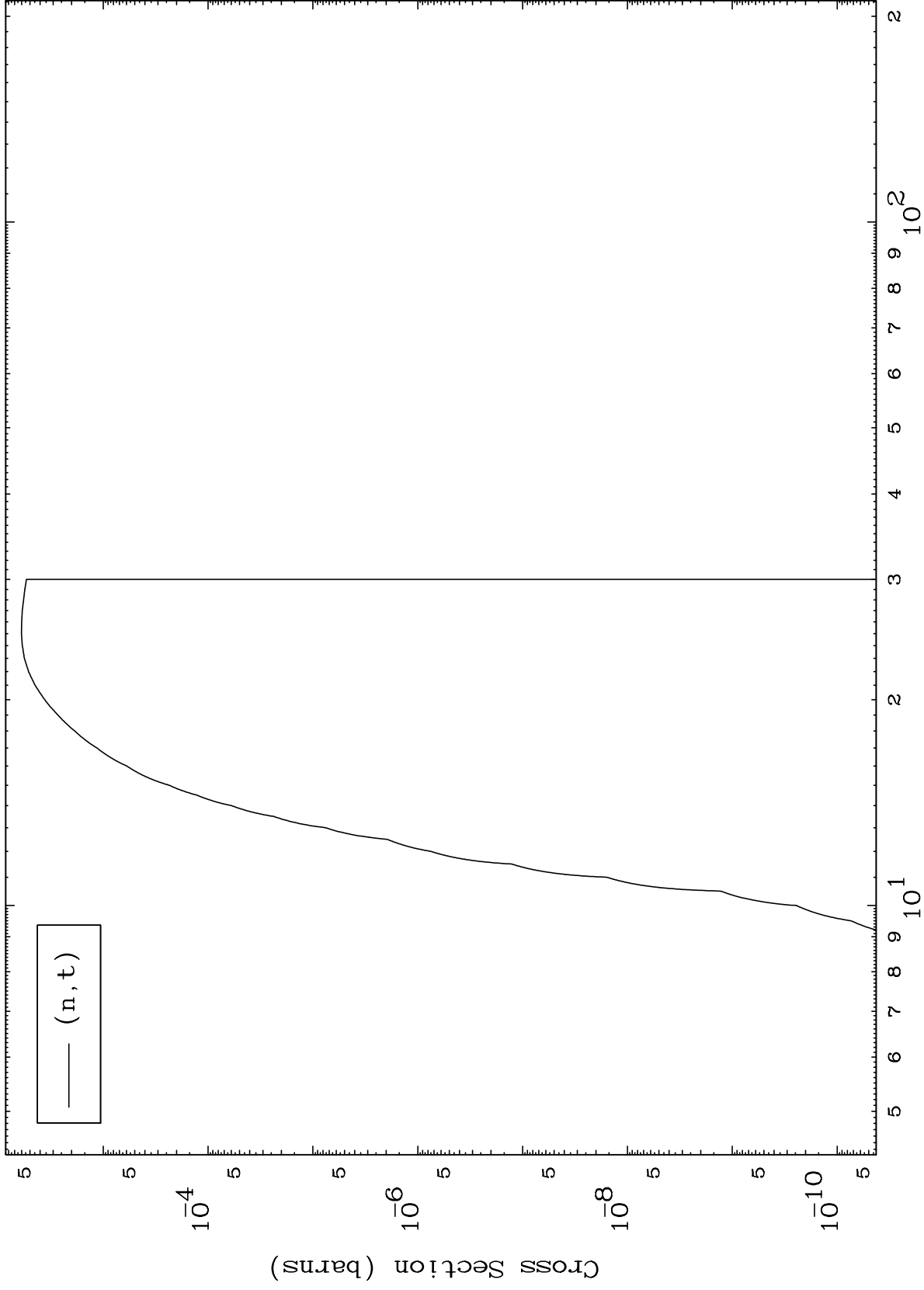
Incident Energy (MeV)

51-Sb-124n

MAT 5136

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-124n



13

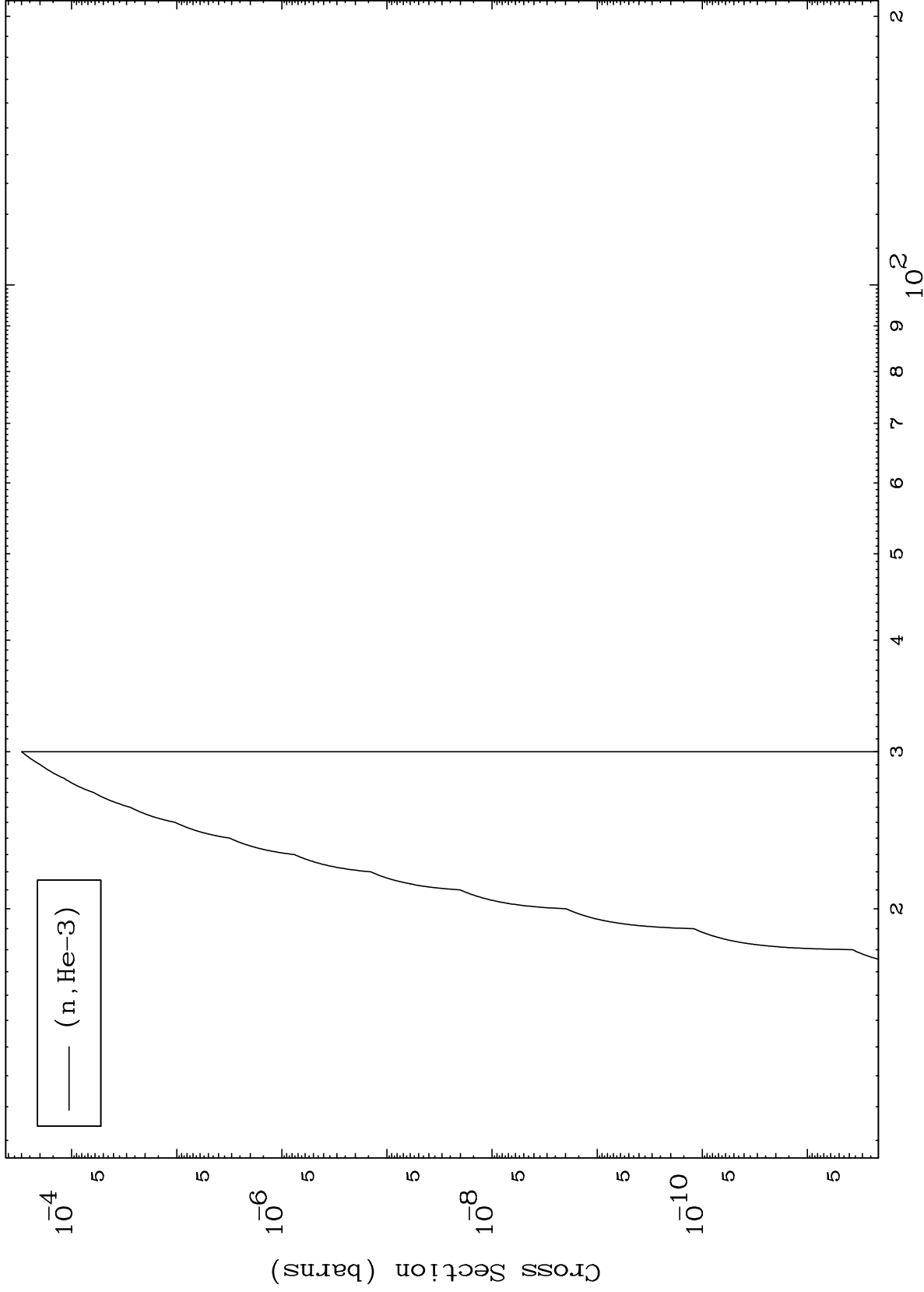
Incident Energy (MeV)

51-Sb-124n

MAT 5136

(n,He3) Levels
293 Kelvin Cross Sections

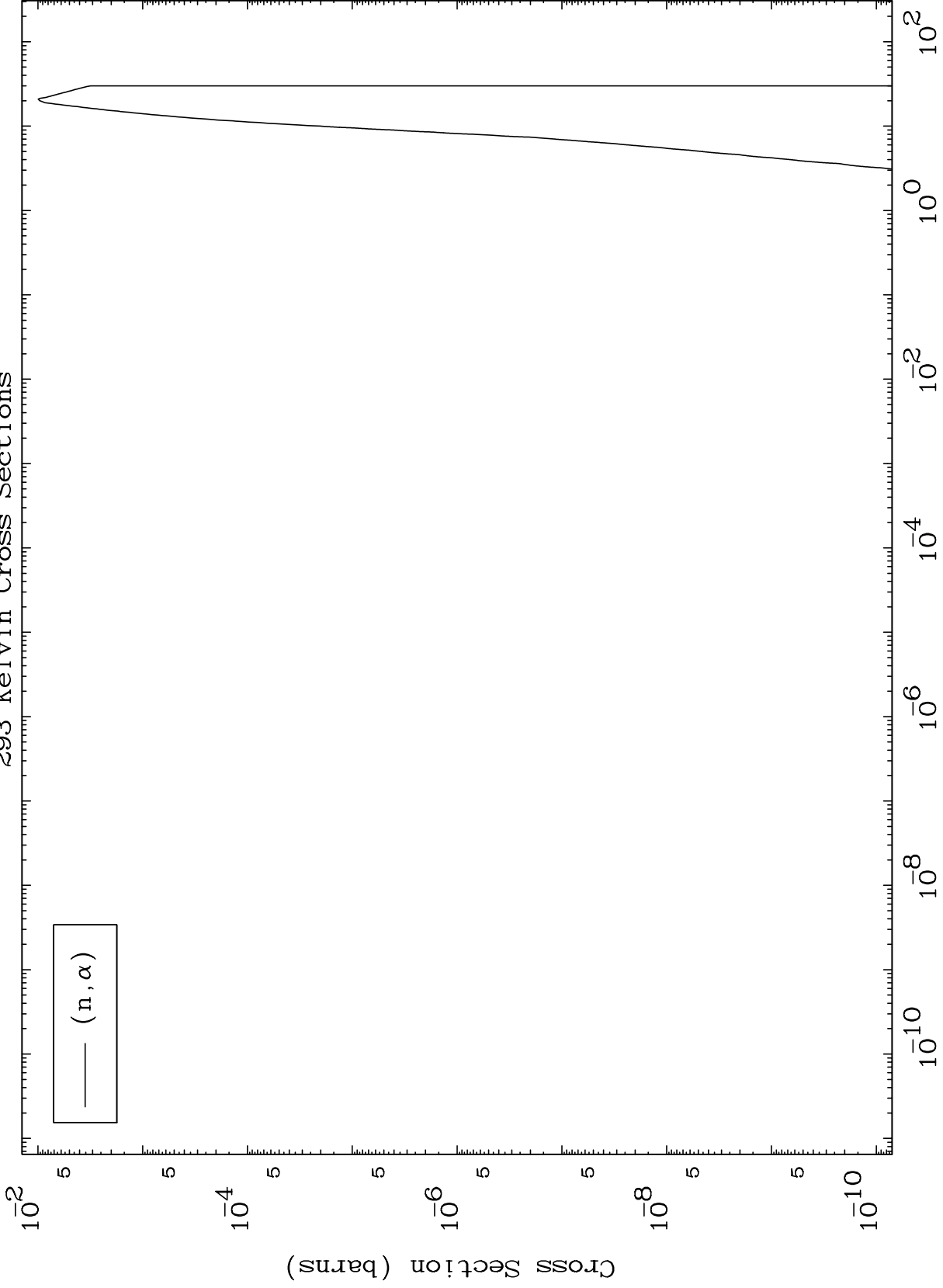
51-Sb-124n



MAT 5136

(n, α) Levels
293 Kelvin Cross Sections

51-Sb-124n



15

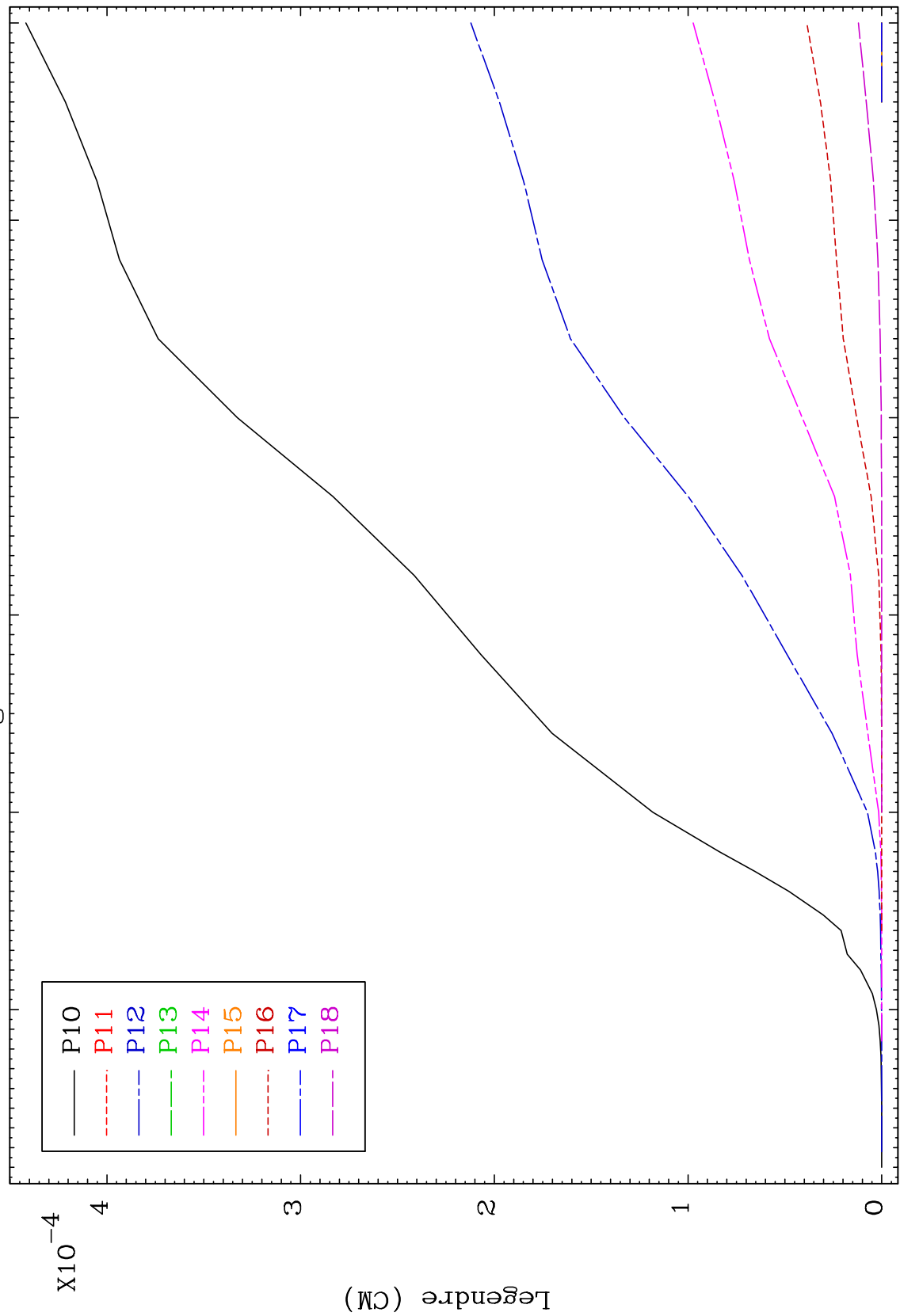
Incident Energy (MeV)

51-Sb-124n

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Elastic Legendre Coefficients

51-Sb-124n



17

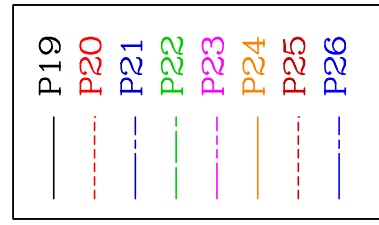
Incident Energy (MeV)

51-Sb-124n

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Elastic Legendre Coefficients

51-Sb-124n



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

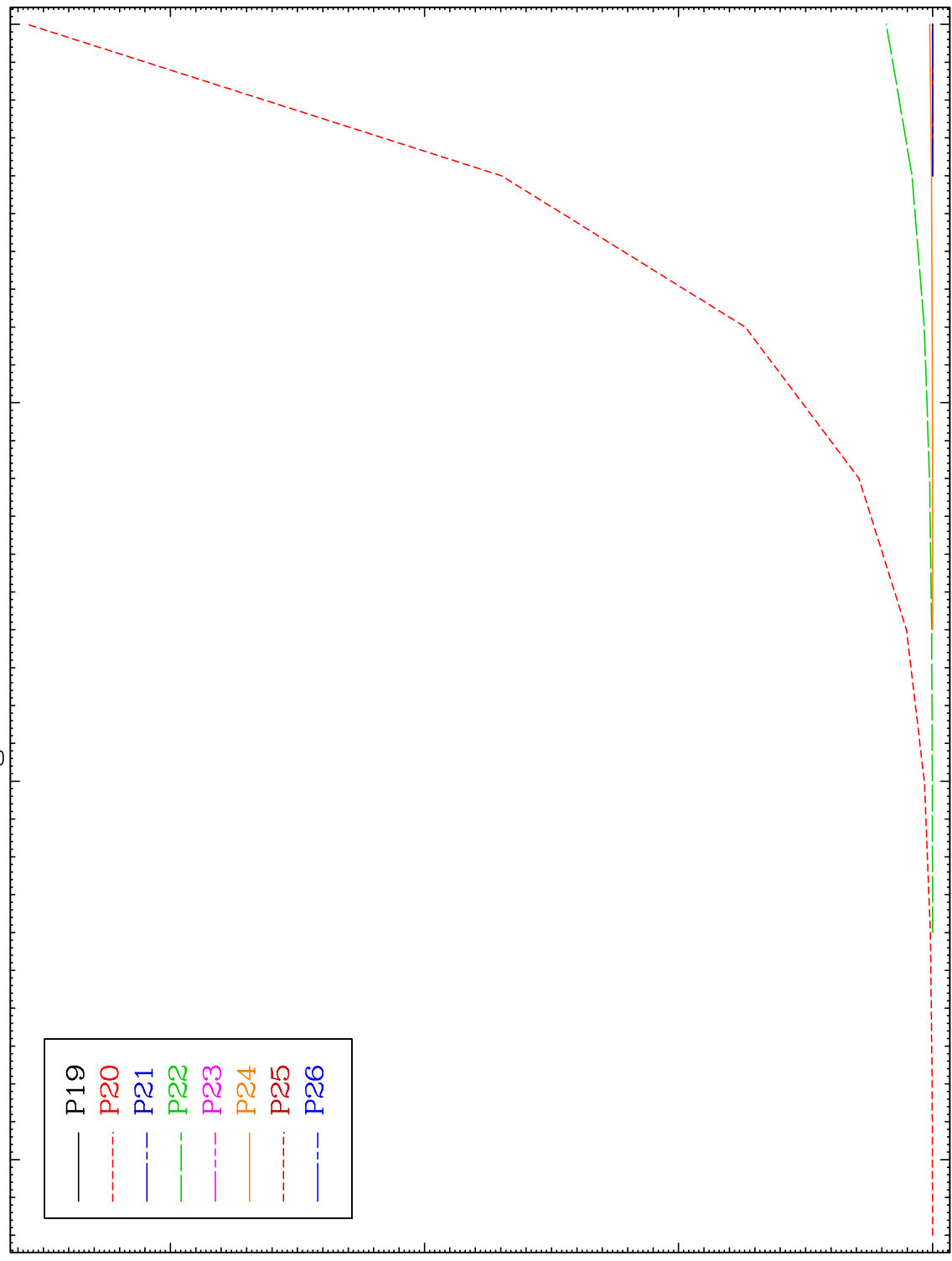
25

30

18

Incident Energy (MeV)

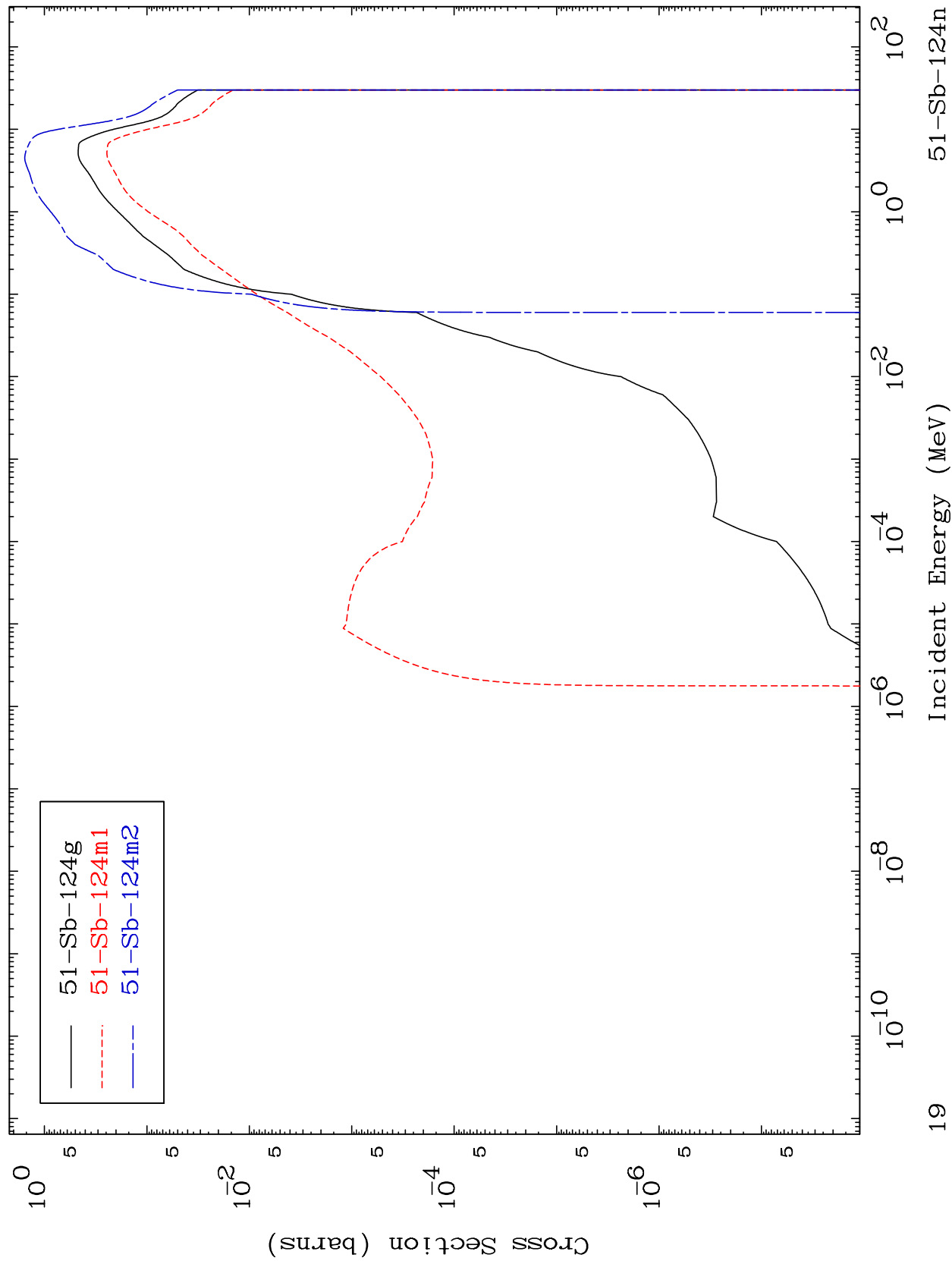
51-Sb-124n



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51-Sb-124n

Inelastic
Radionuclide Production Cross Section



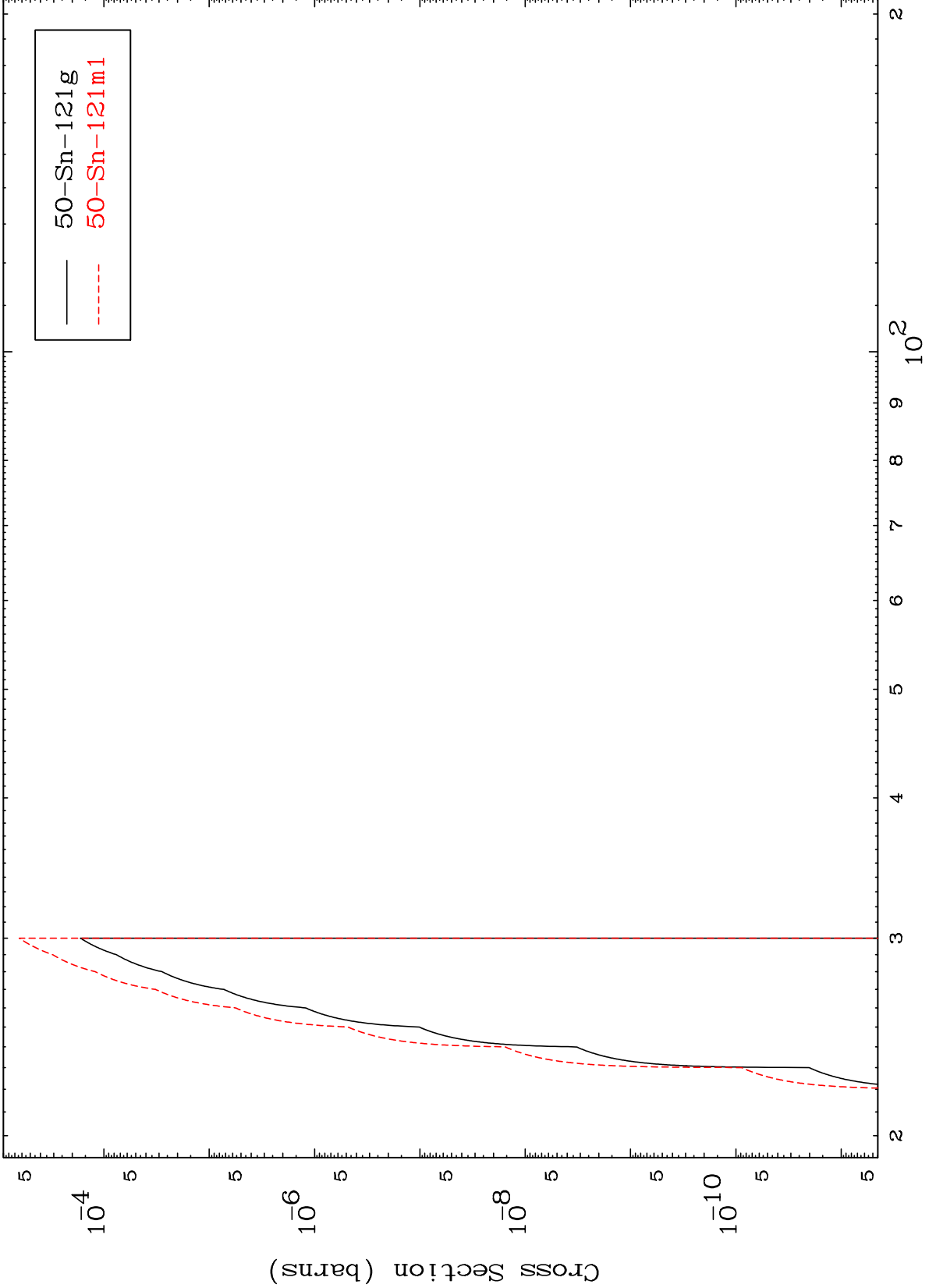
51-Sb-124g
51-Sb-124m1
51-Sb-124m2

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(n,2n) d

51-Sb-124n

Radionuclide Production Cross Section



20

Incident Energy (MeV)

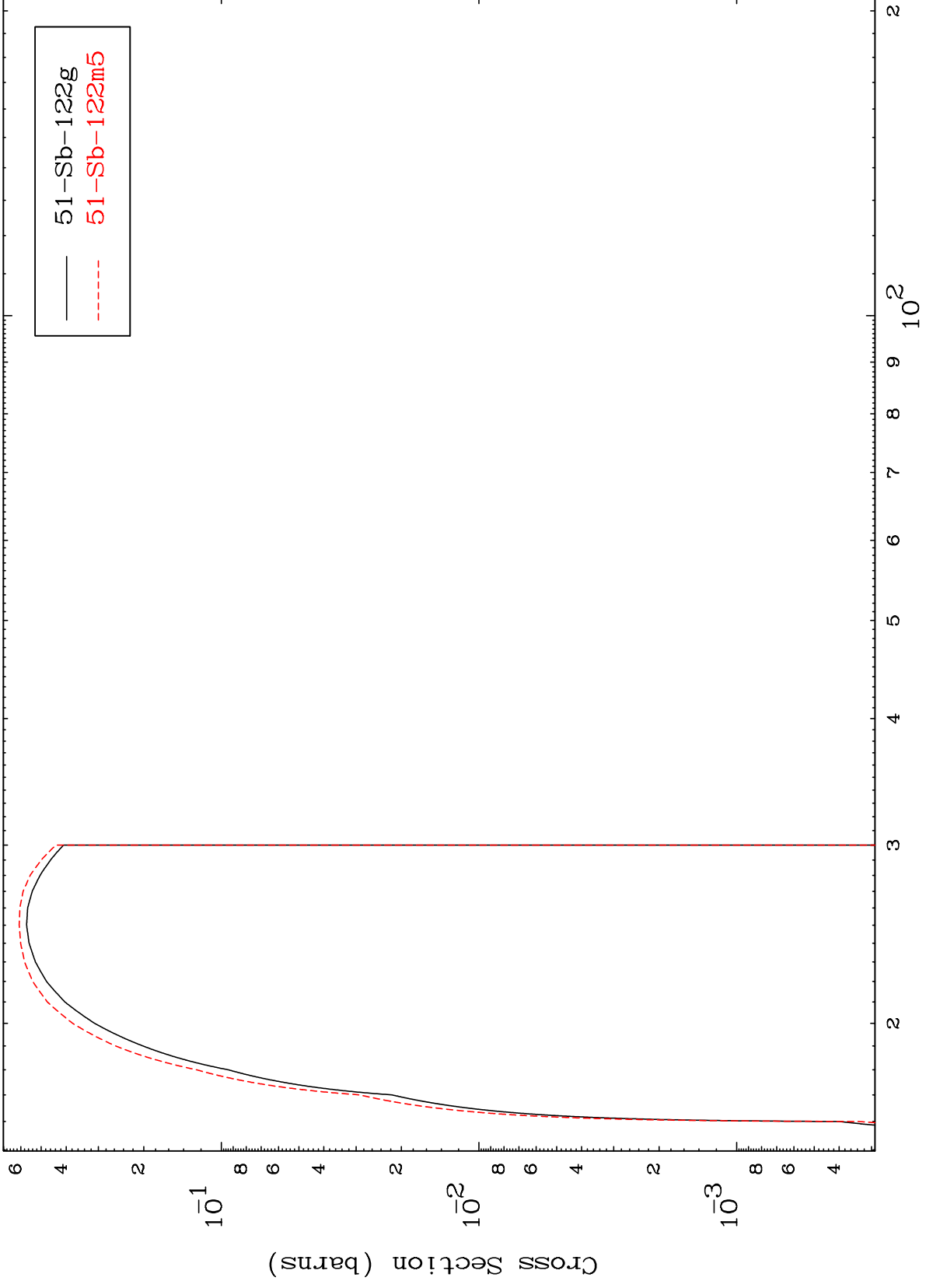
51-Sb-124n

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(n,3n)

51-Sb-124n

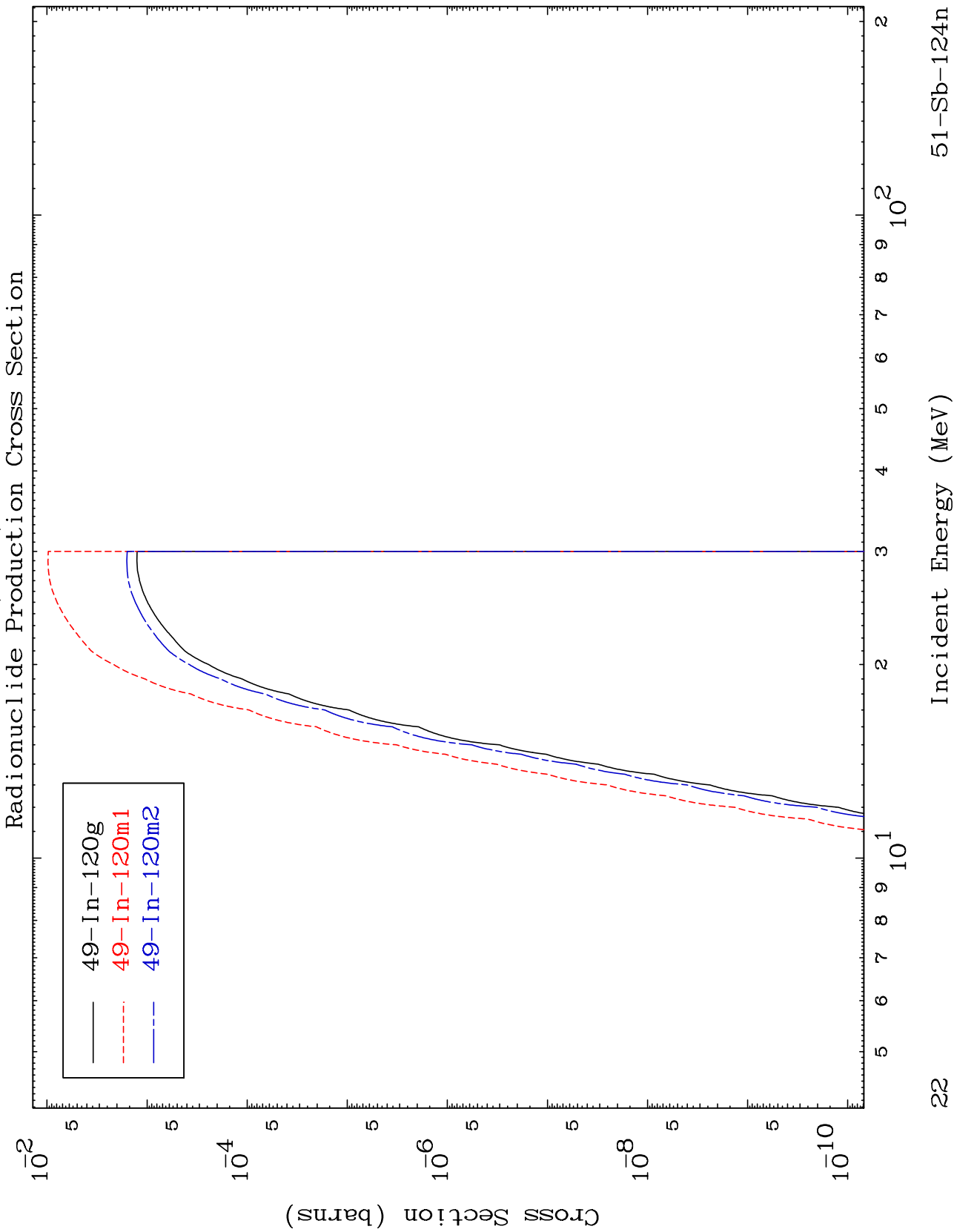
Radionuclide Production Cross Section



21

Incident Energy (MeV)

51-Sb-124n

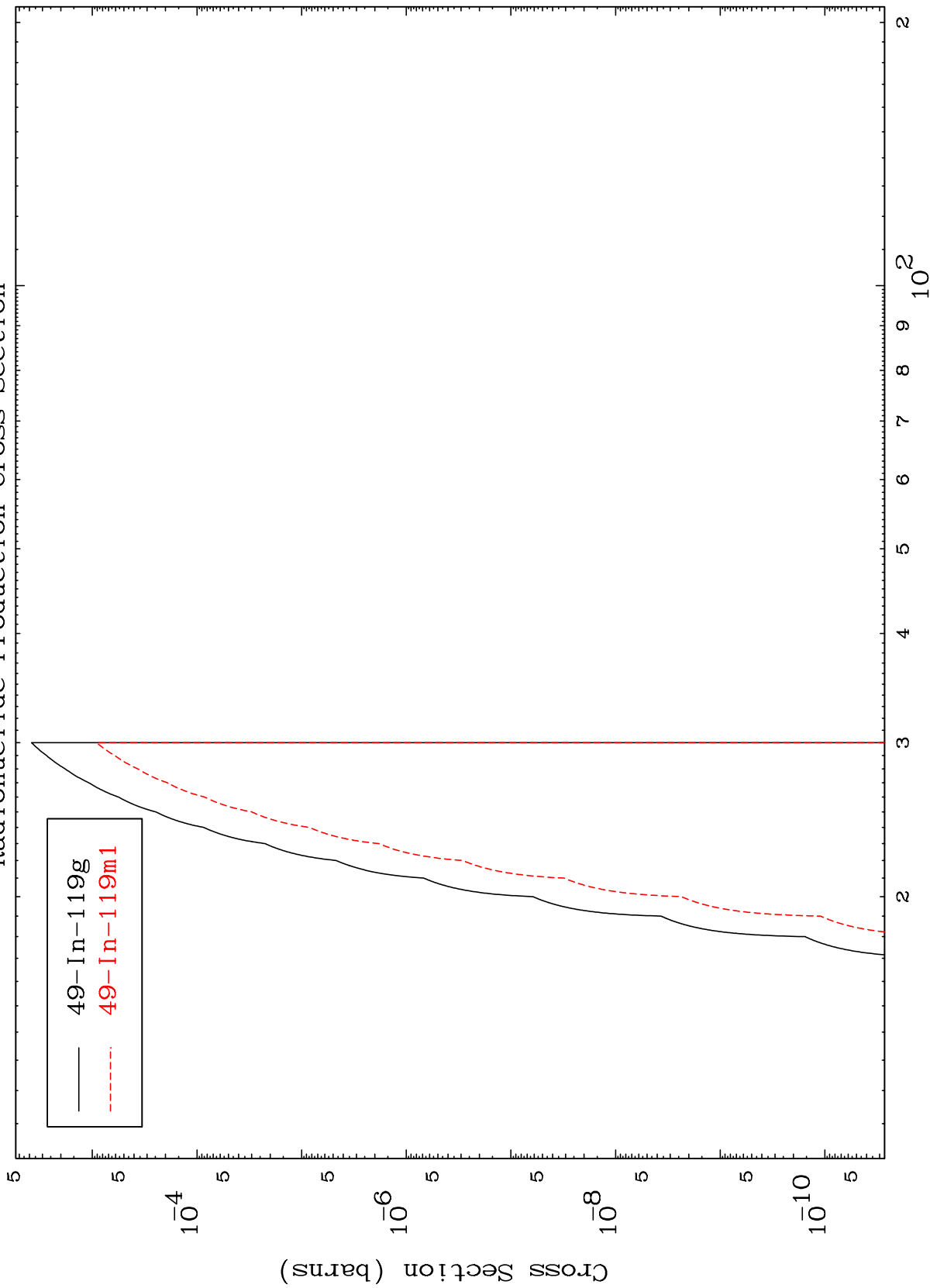


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(n,2n) α

51-Sb-124n

Radionuclide Production Cross Section

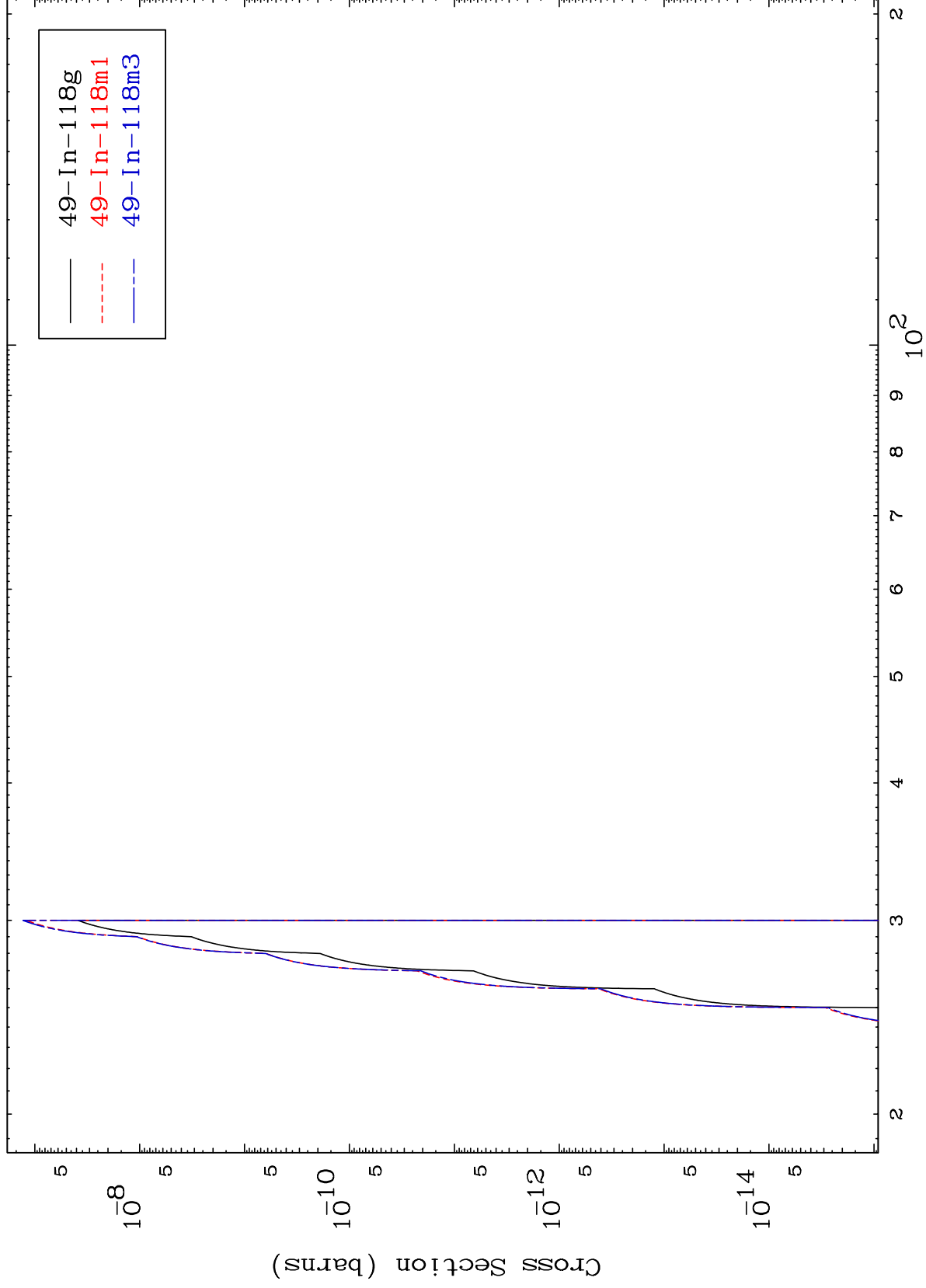


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(n,3n) α

51-Sb-124n

Radionuclide Production Cross Section



24

Incident Energy (MeV)

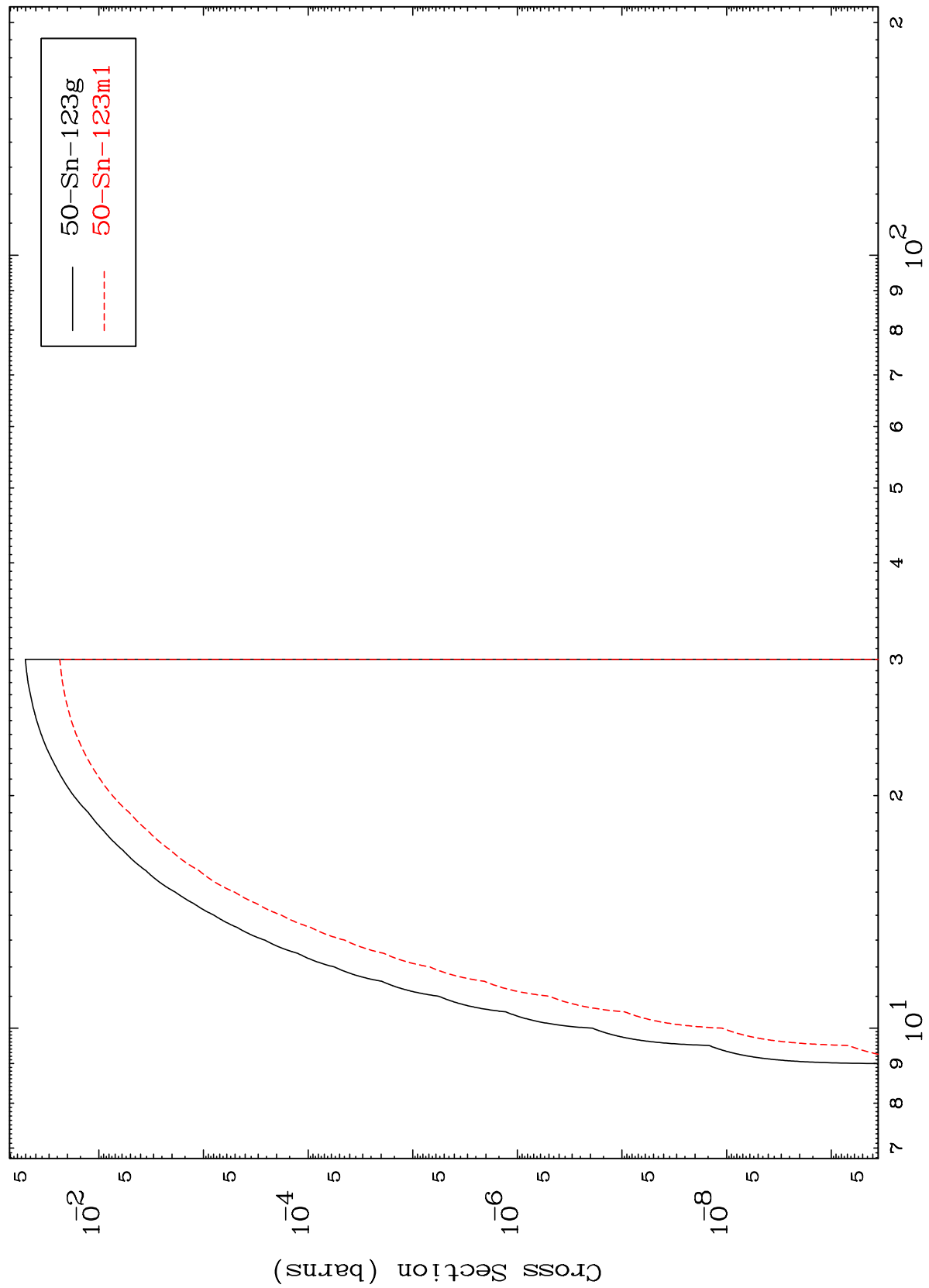
51-Sb-124n

MAT 5136

(n,n') p

51-Sb-124n

Radionuclide Production Cross Section

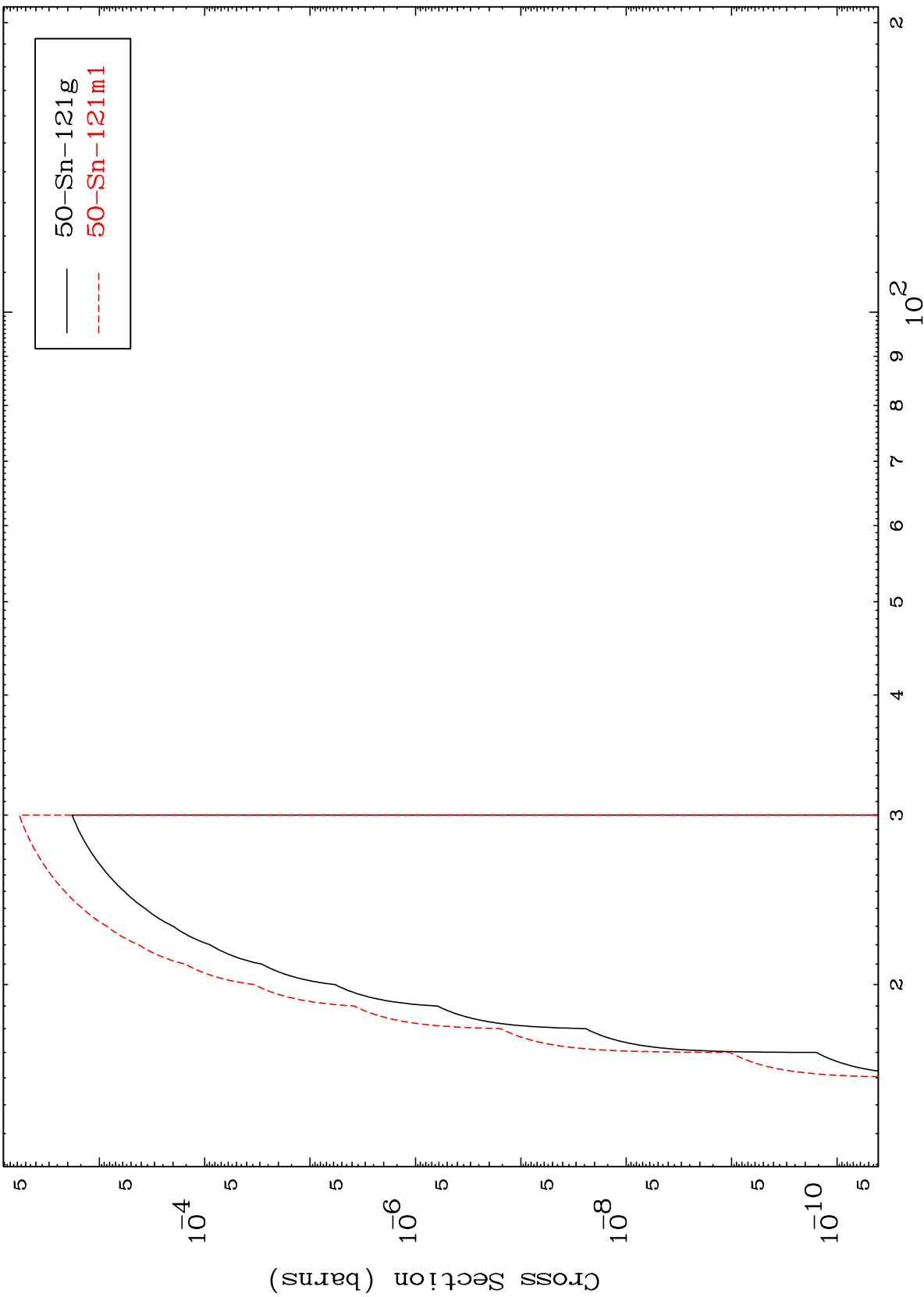


25

Incident Energy (MeV)

51-Sb-124n

Radionuclide Production Cross Section

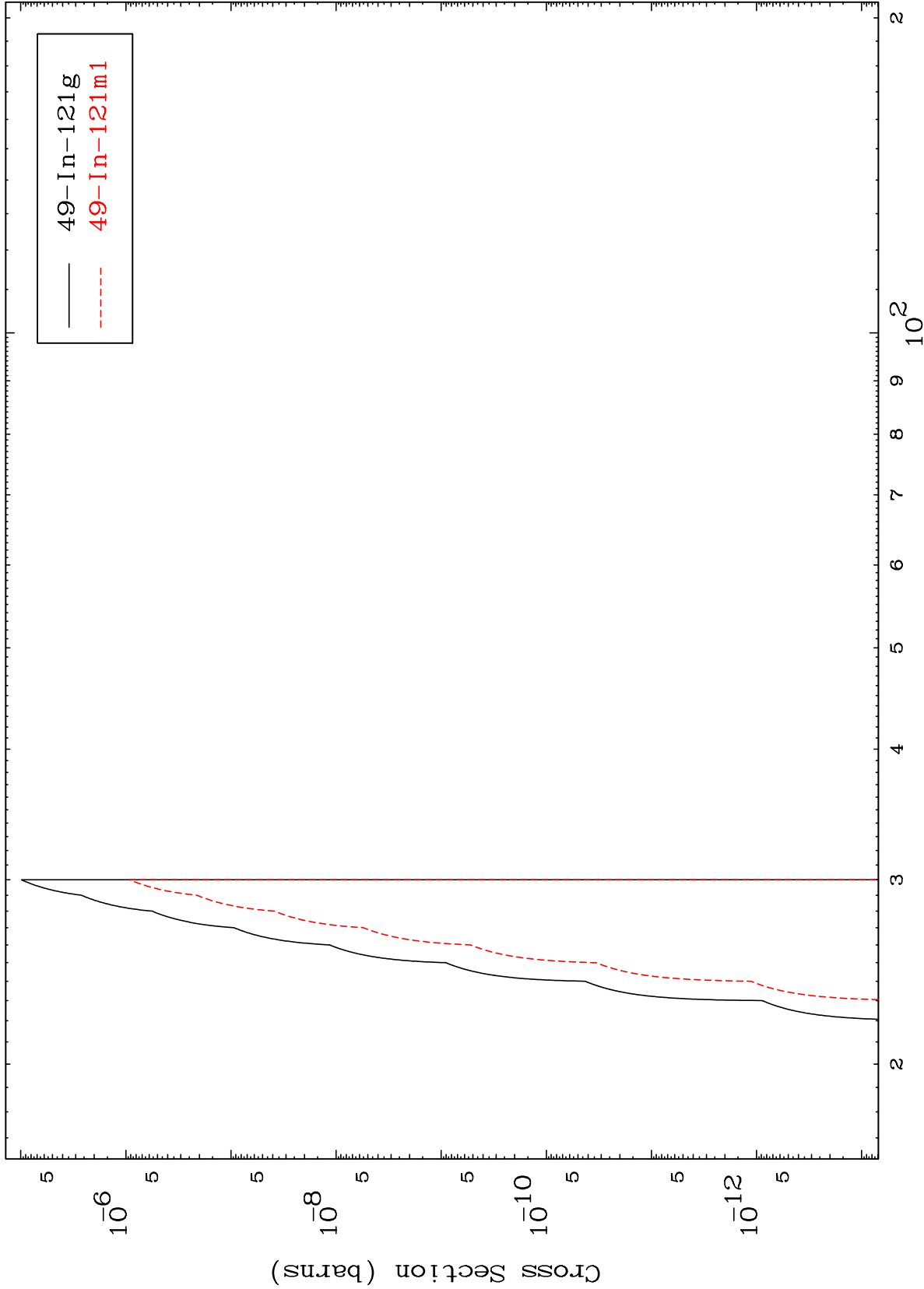


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(n,n') He-3

51-Sb-124n

Radionuclide Production Cross Section

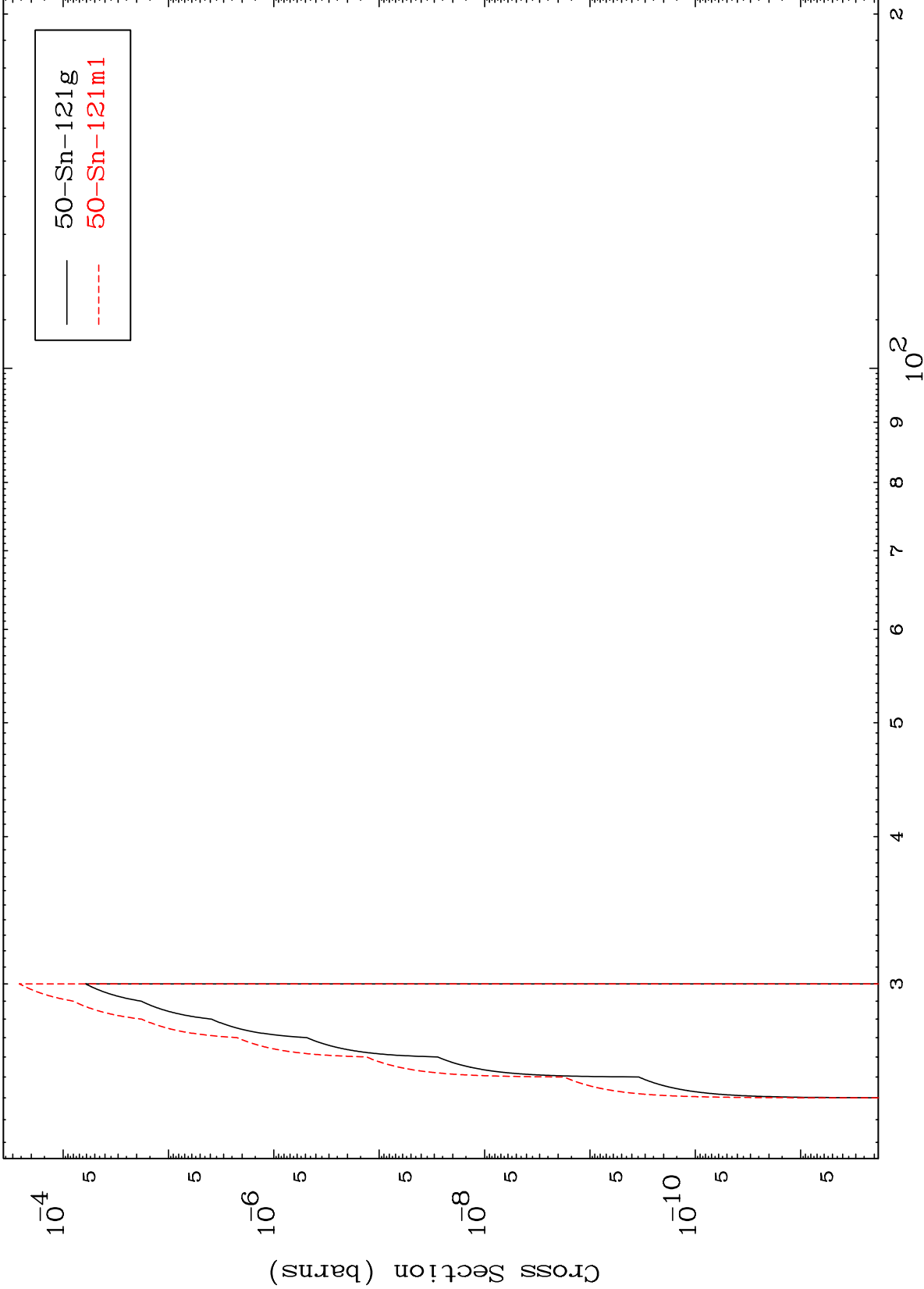


MAT 5136

(n,3n) p

51-Sb-124n

Radionuclide Production Cross Section



28

Incident Energy (MeV)

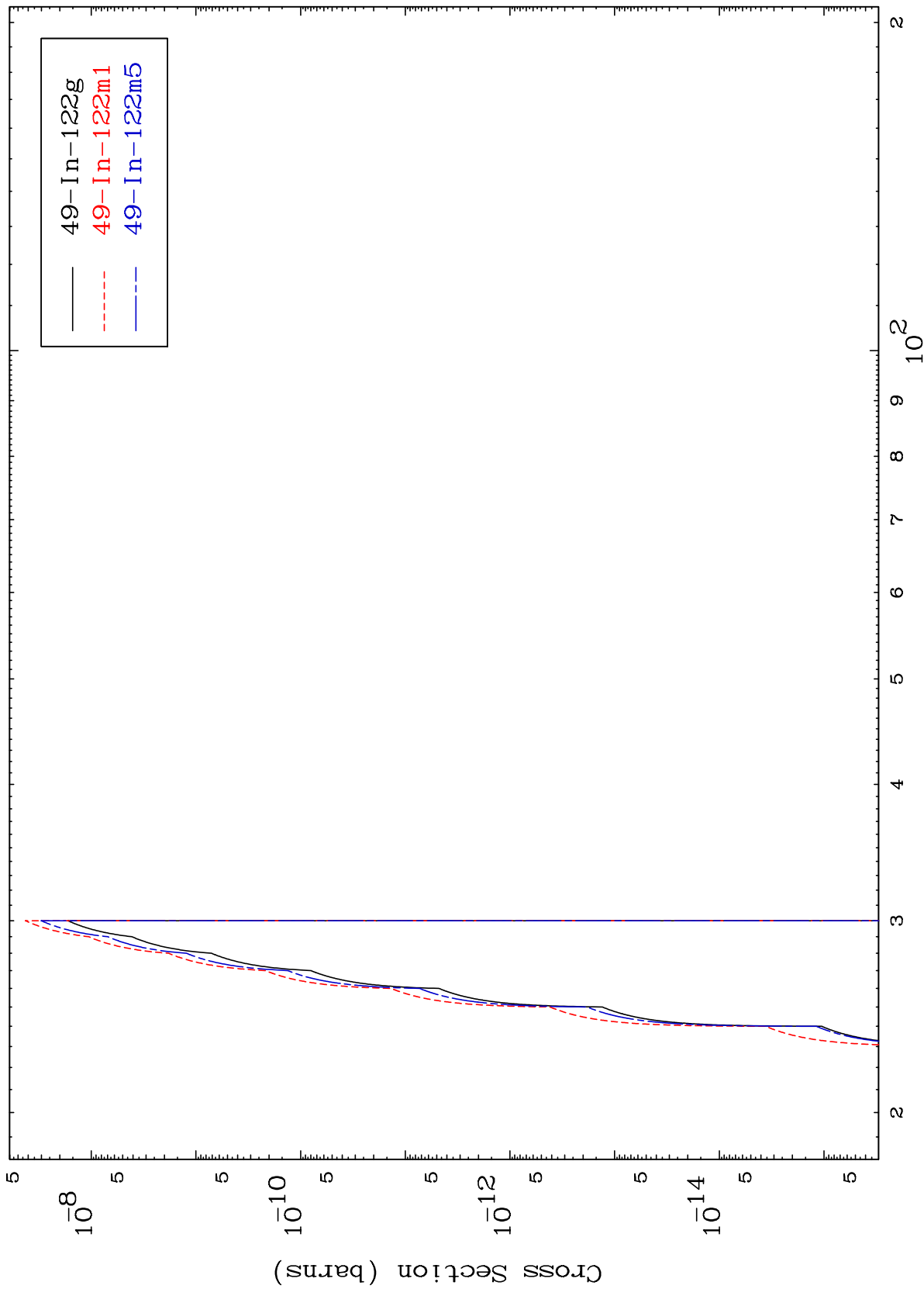
51-Sb-124n

MAT 5136

(n,2n) p

51-Sb-124n

Radionuclide Production Cross Section

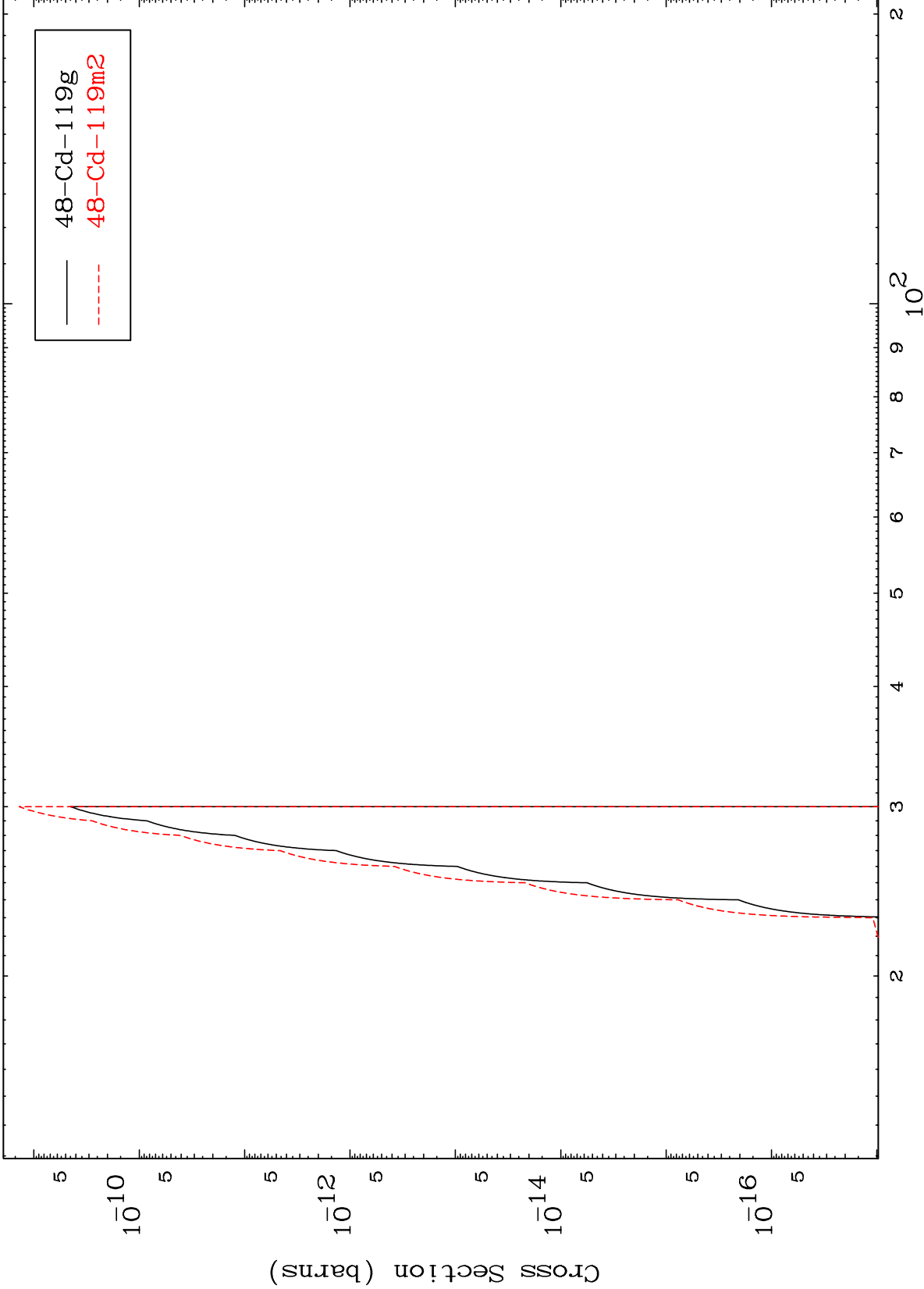


29

Incident Energy (MeV)

51-Sb-124n

Radionuclide Production Cross Section

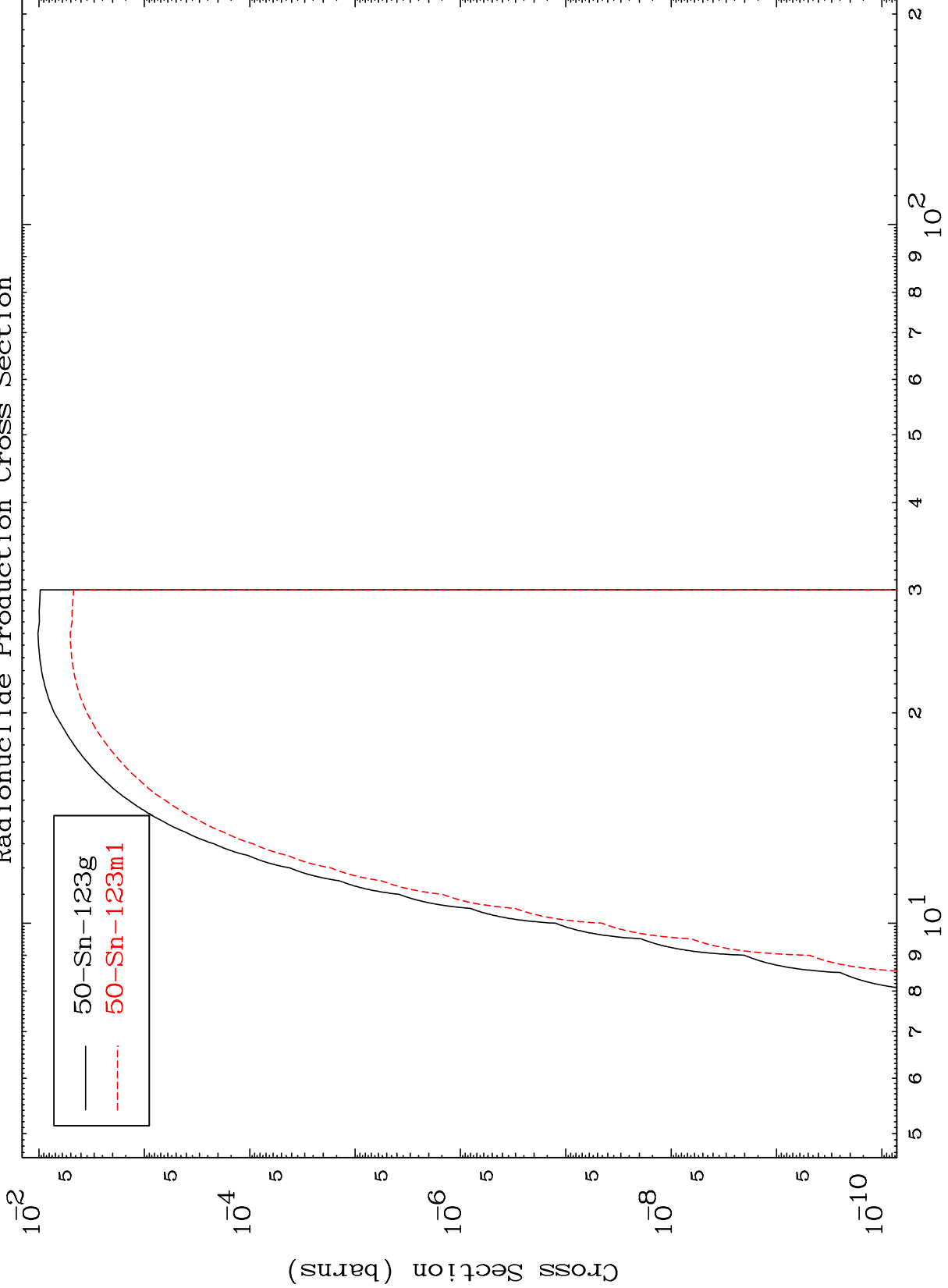


MAT 5136

(n,d)

51-Sb-124n

Radionuclide Production Cross Section



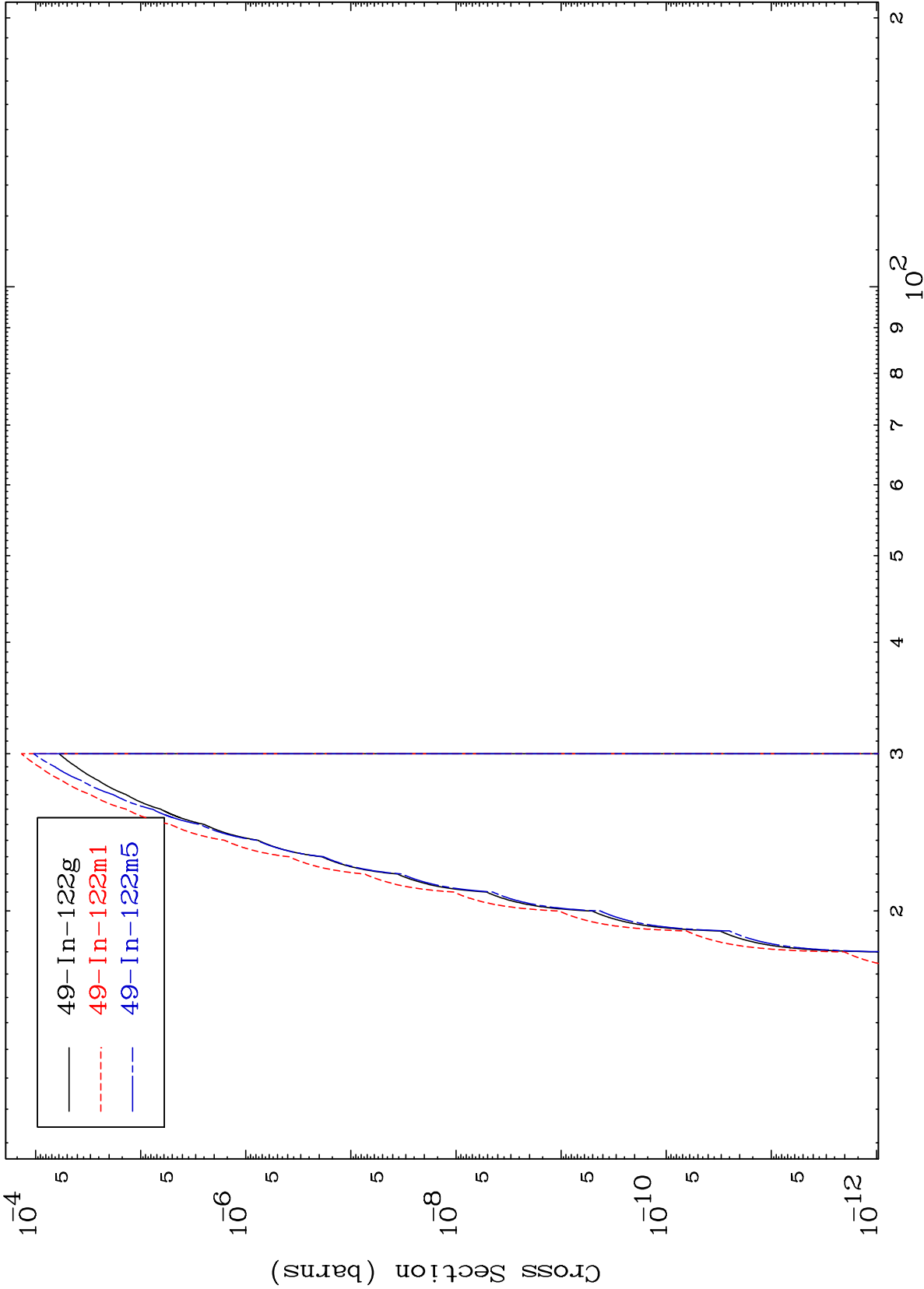
50-Sn-123g
50-Sn-123m1

Incident Energy (MeV)

51-Sb-124n

31

Radionuclide Production Cross Section

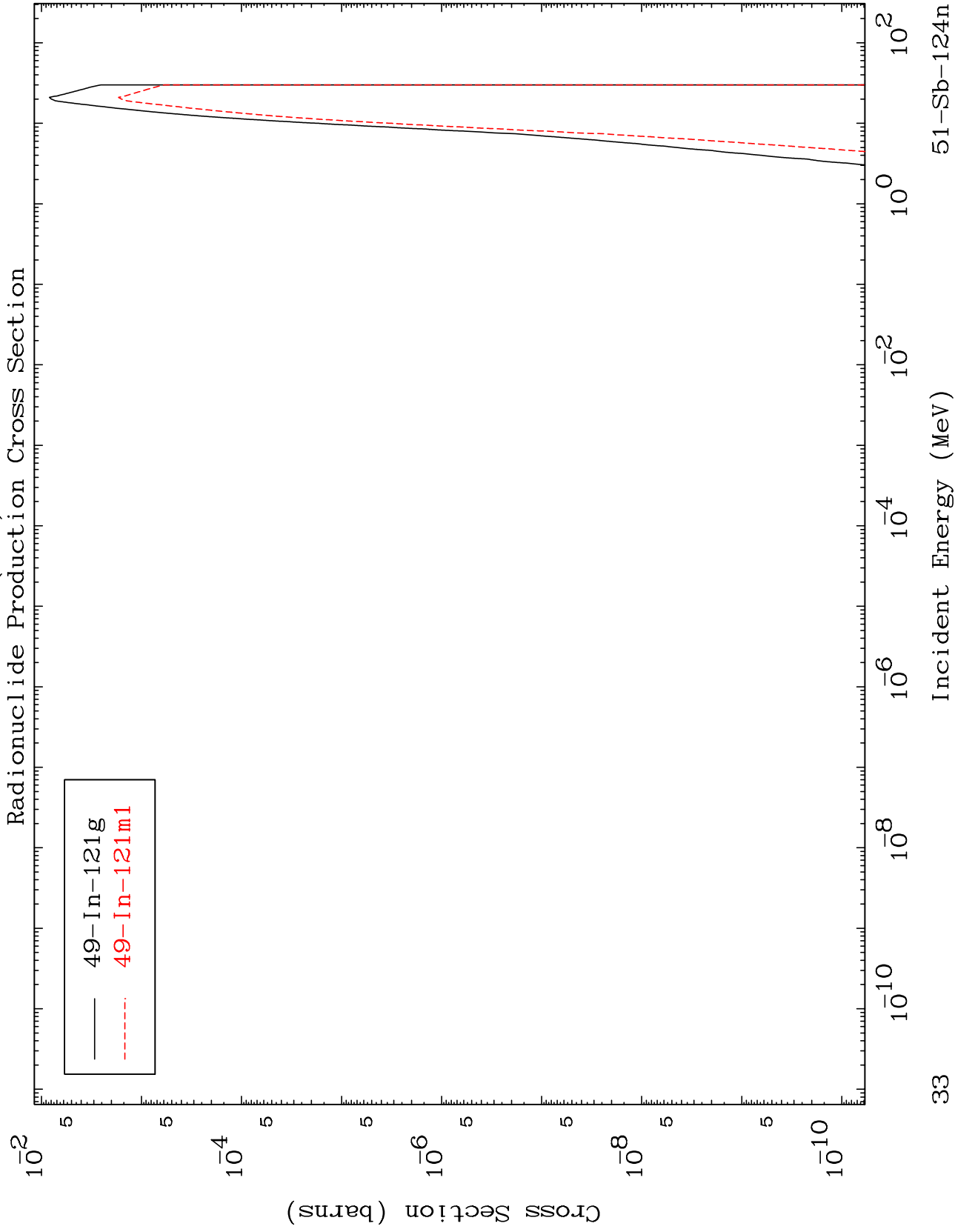


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(n, α)

51-Sb-124n

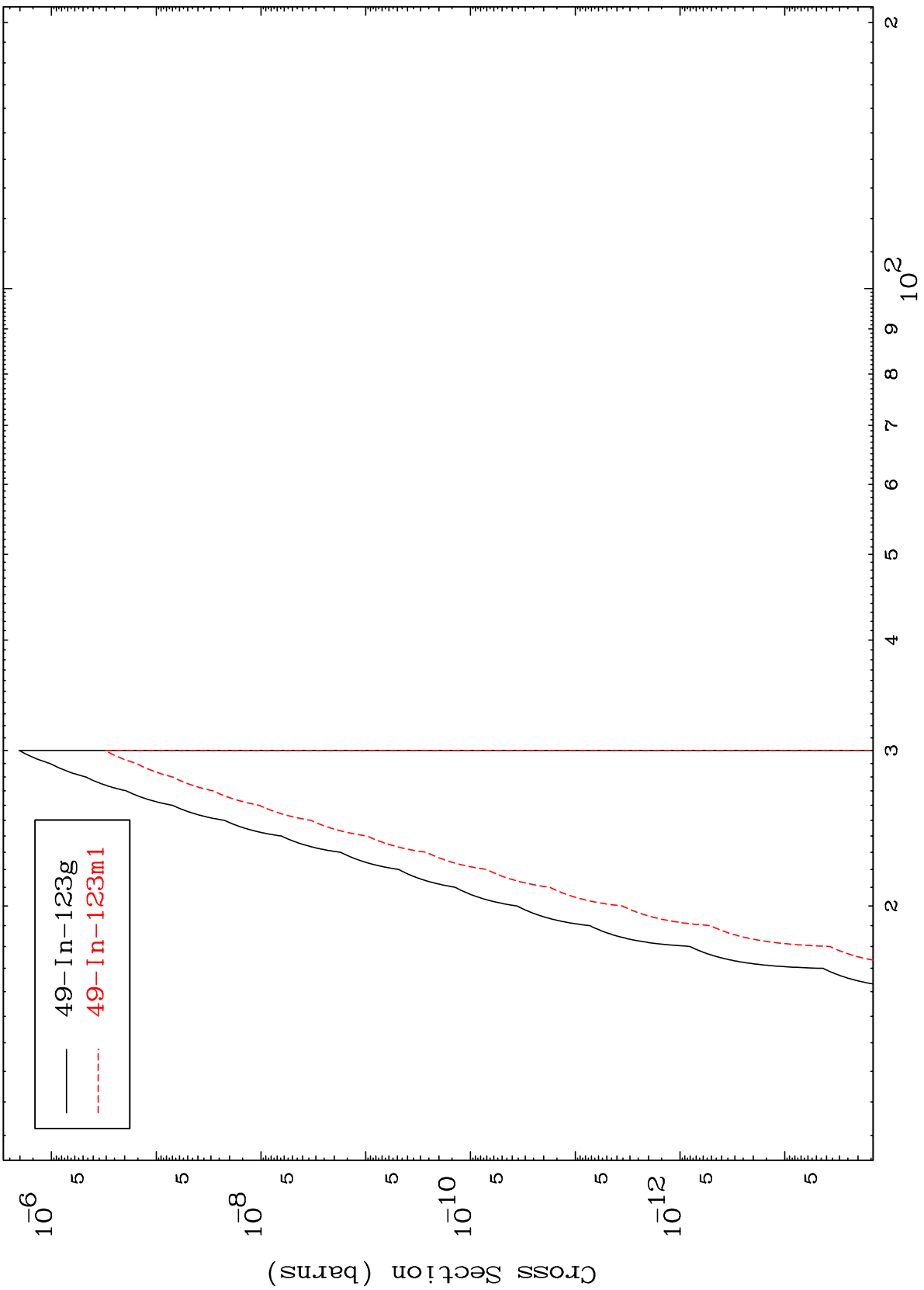
Radionuclide Production Cross Section



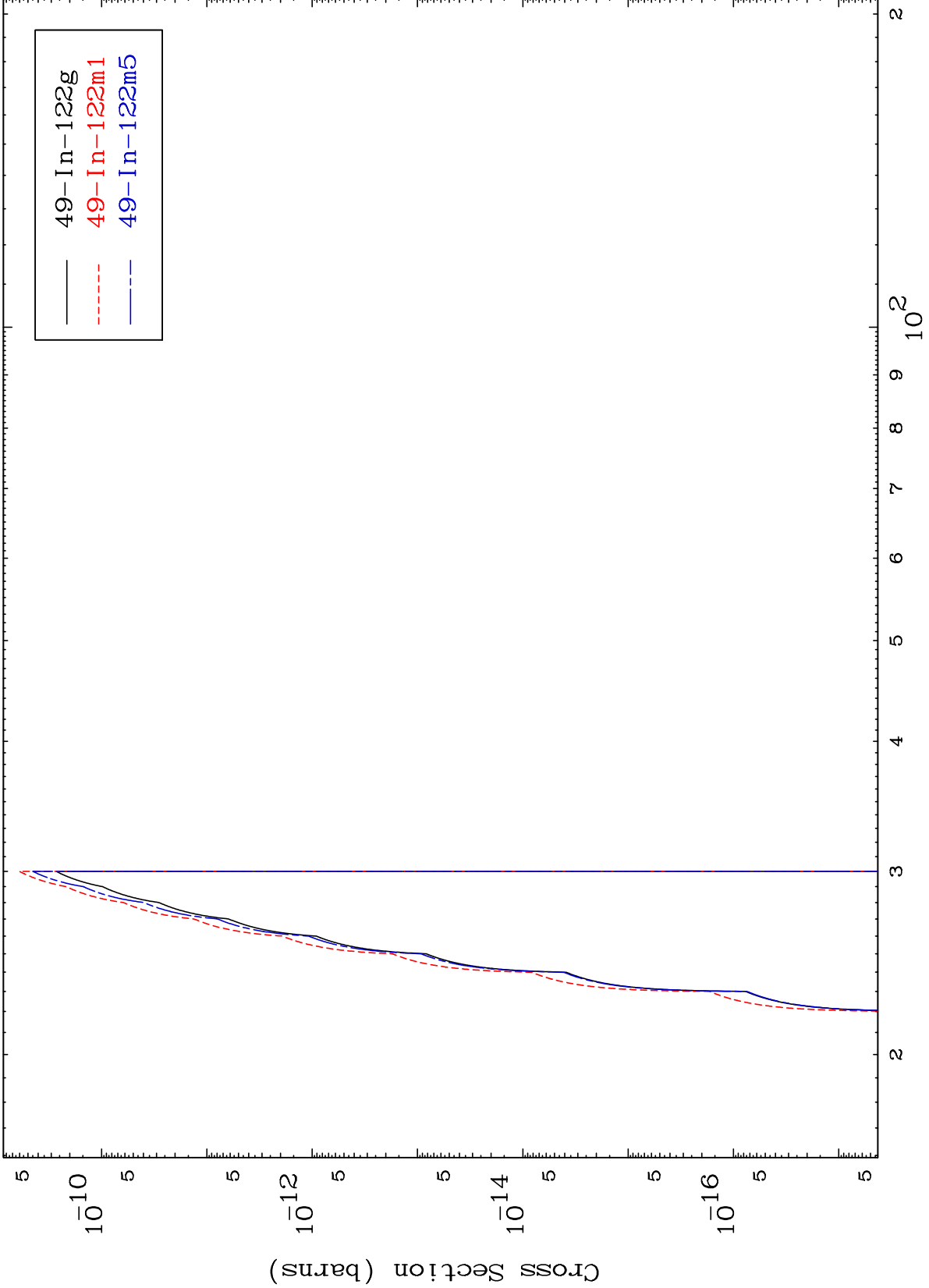
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51-Sb-124n

(n,2p)
Radionuclide Production Cross Section



Radionuclide Production Cross Section

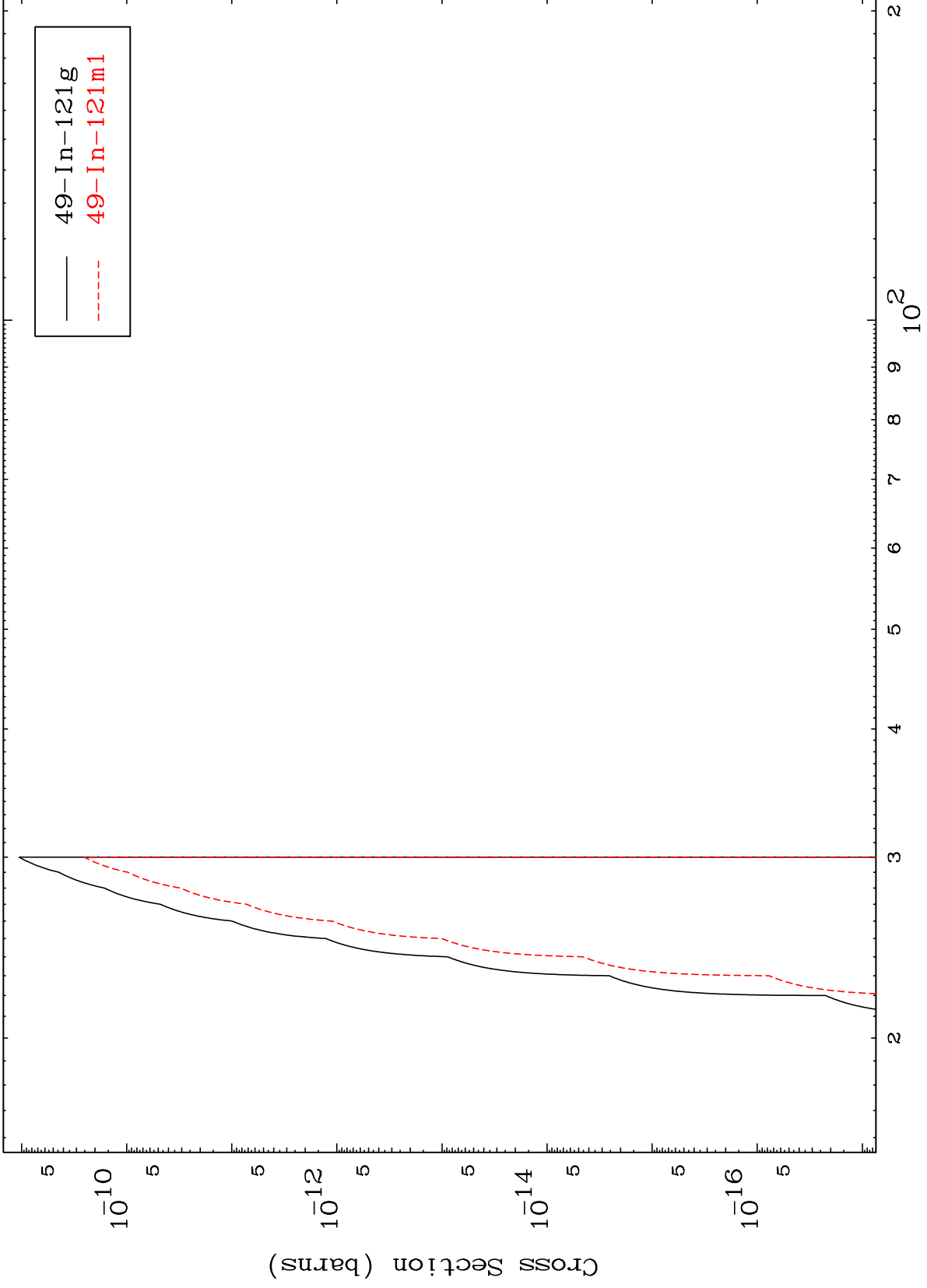


MAT 5136

(n,p) t

51-Sb-124n

Radionuclide Production Cross Section



36

Incident Energy (MeV)

51-Sb-124n