

Program EVALPLOT  
(Version 2021-1)

by

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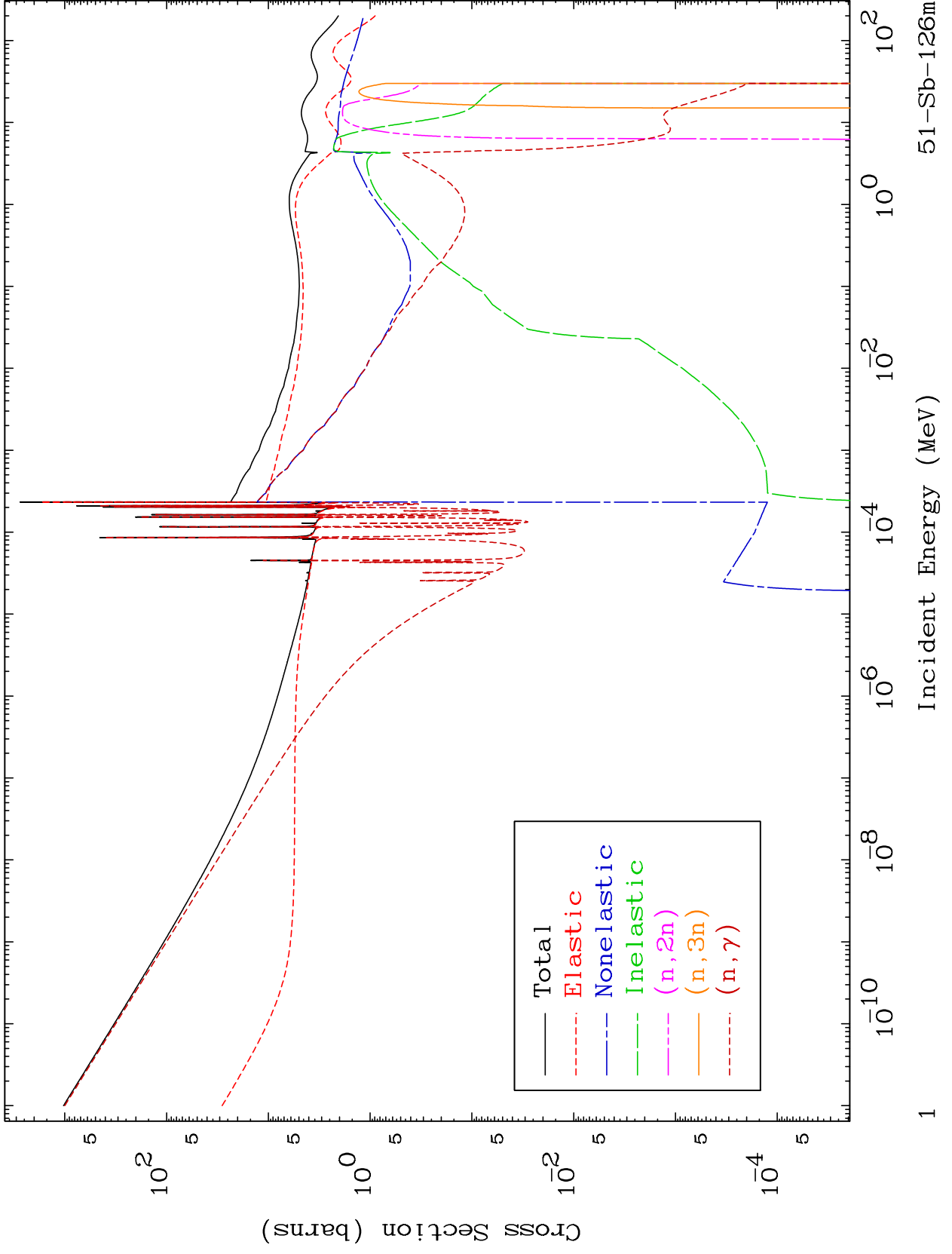
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5141

Neutron Major  
293 Kelvin Cross Sections

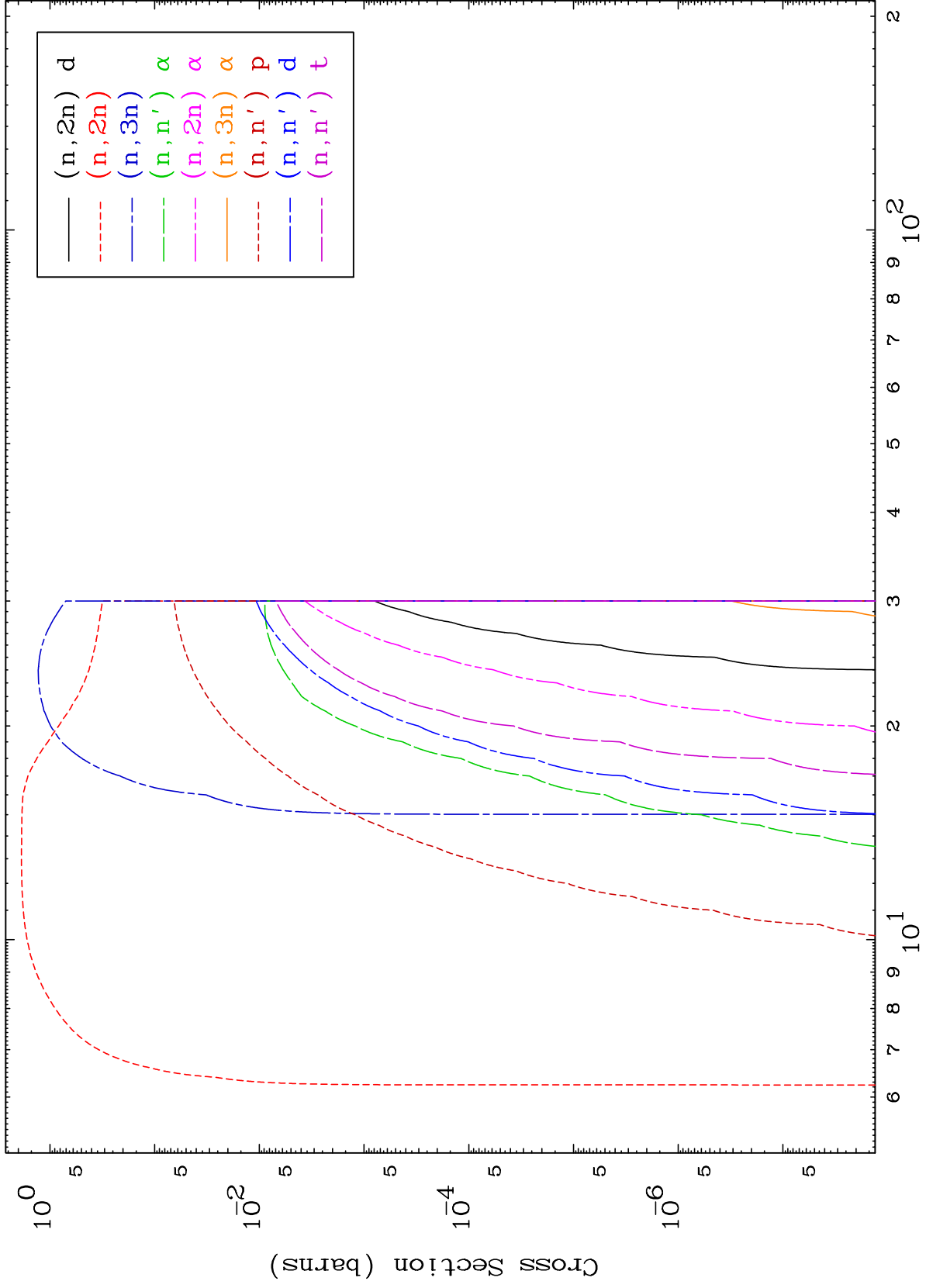
51-Sb-126m



MAT 5141

Neutron Absorption  
293 Kelvin Cross Sections

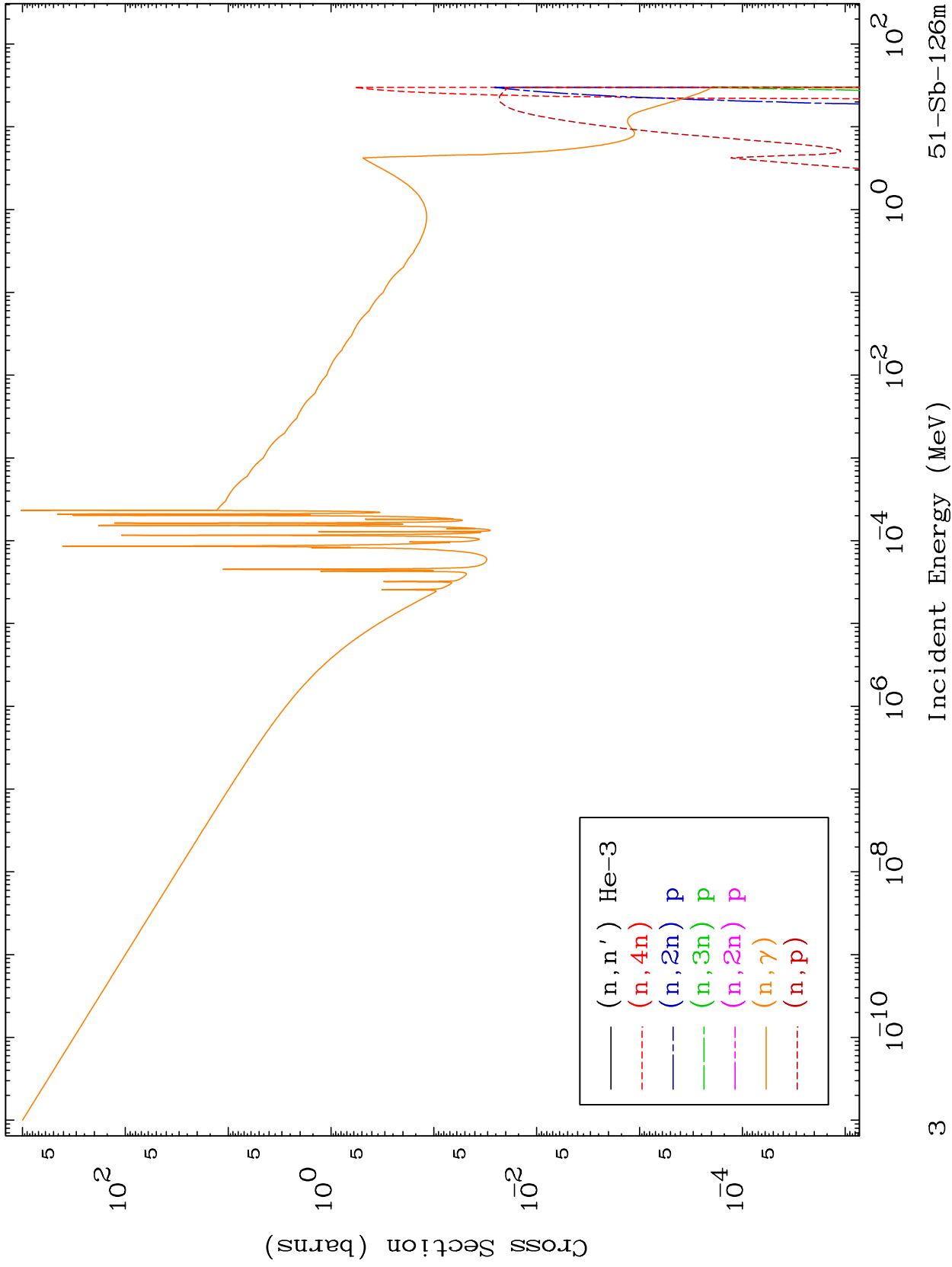
51-Sb-126m



MAT 5141

Neutron Absorption  
293 Kelvin Cross Sections

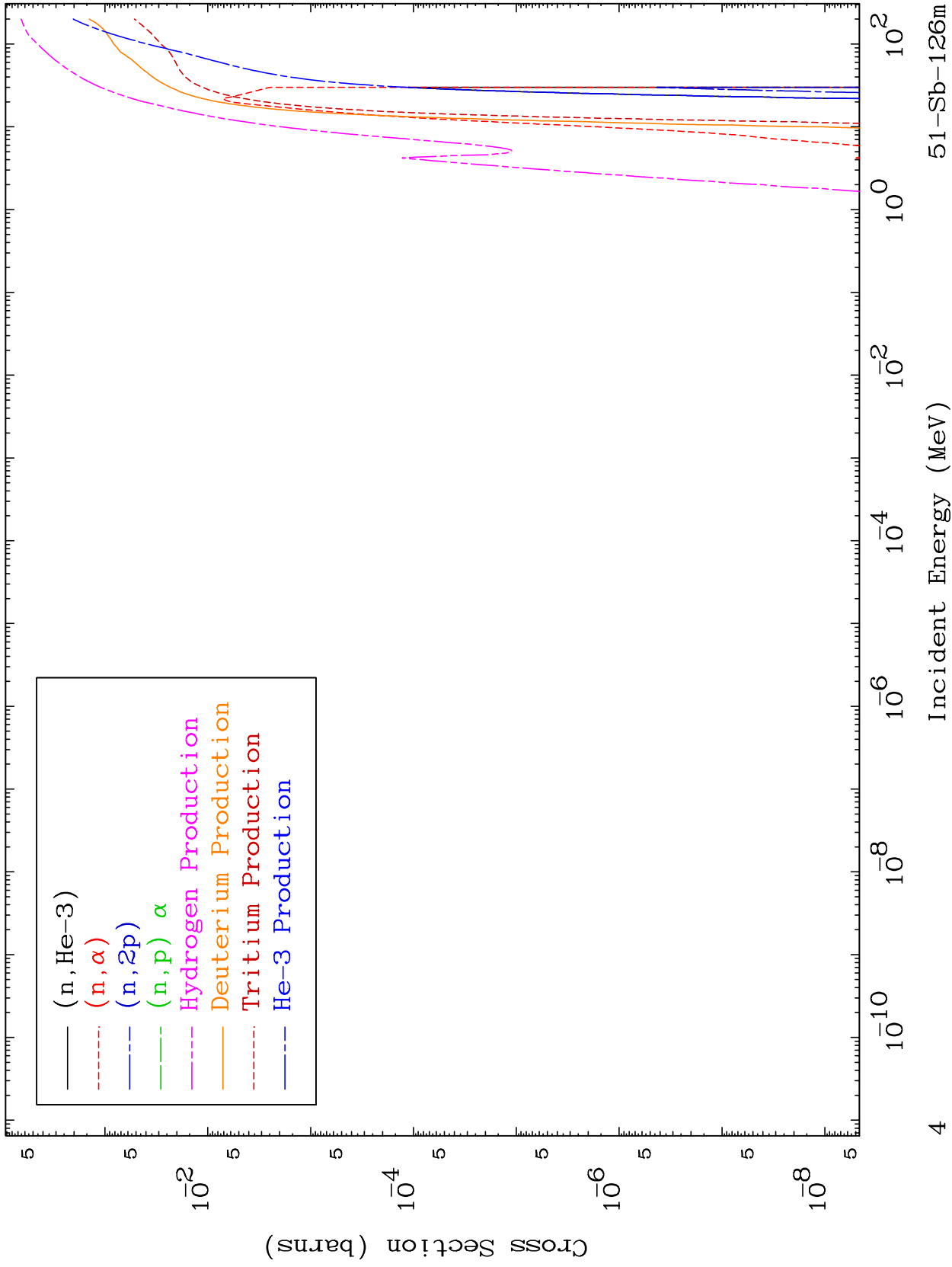
51-Sb-126m

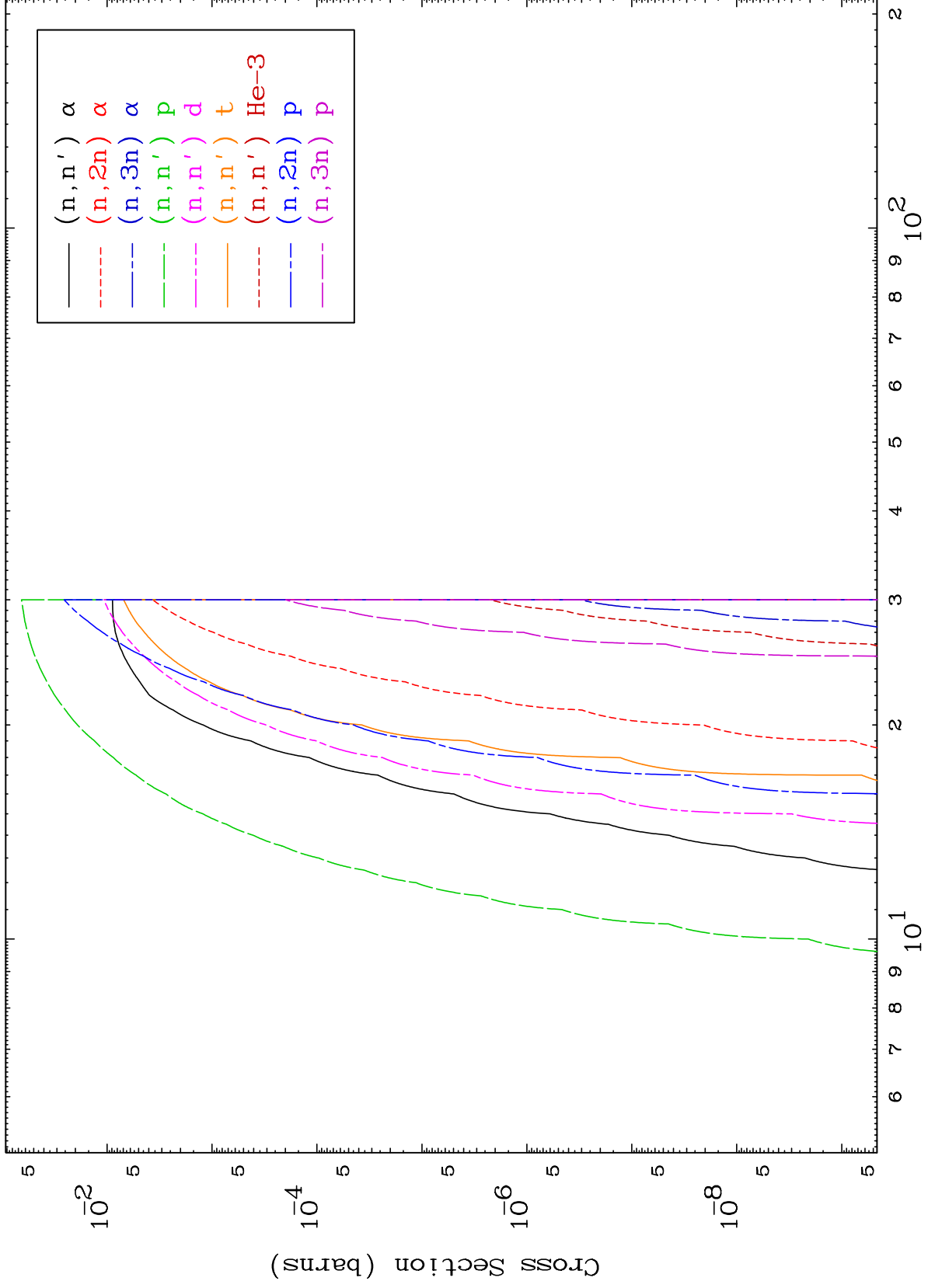


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Neutron Absorption  
293 Kelvin Cross Sections

51-Sb-126m

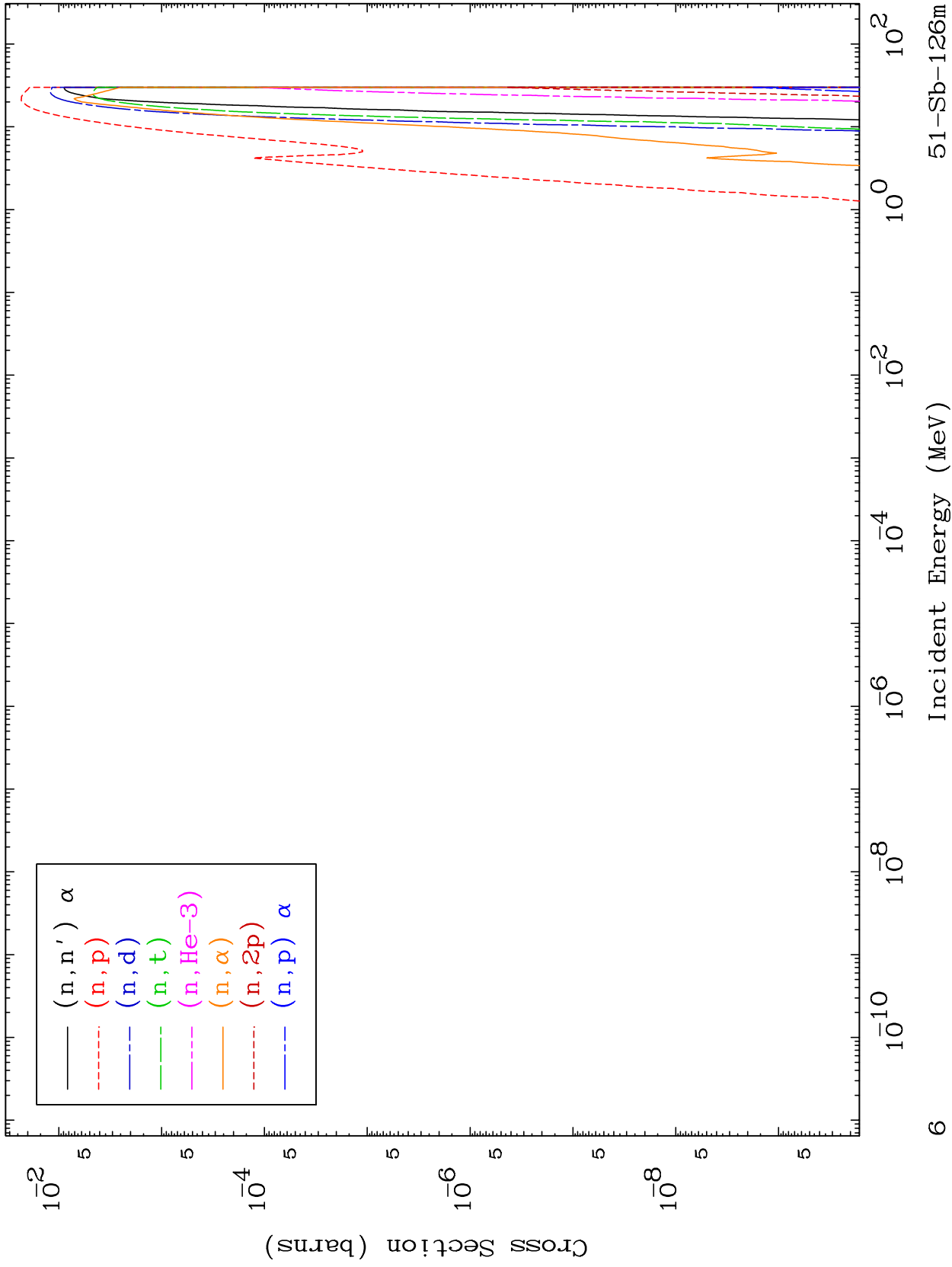




MAT 5141

Charged Particle  
293 Kelvin Cross Sections

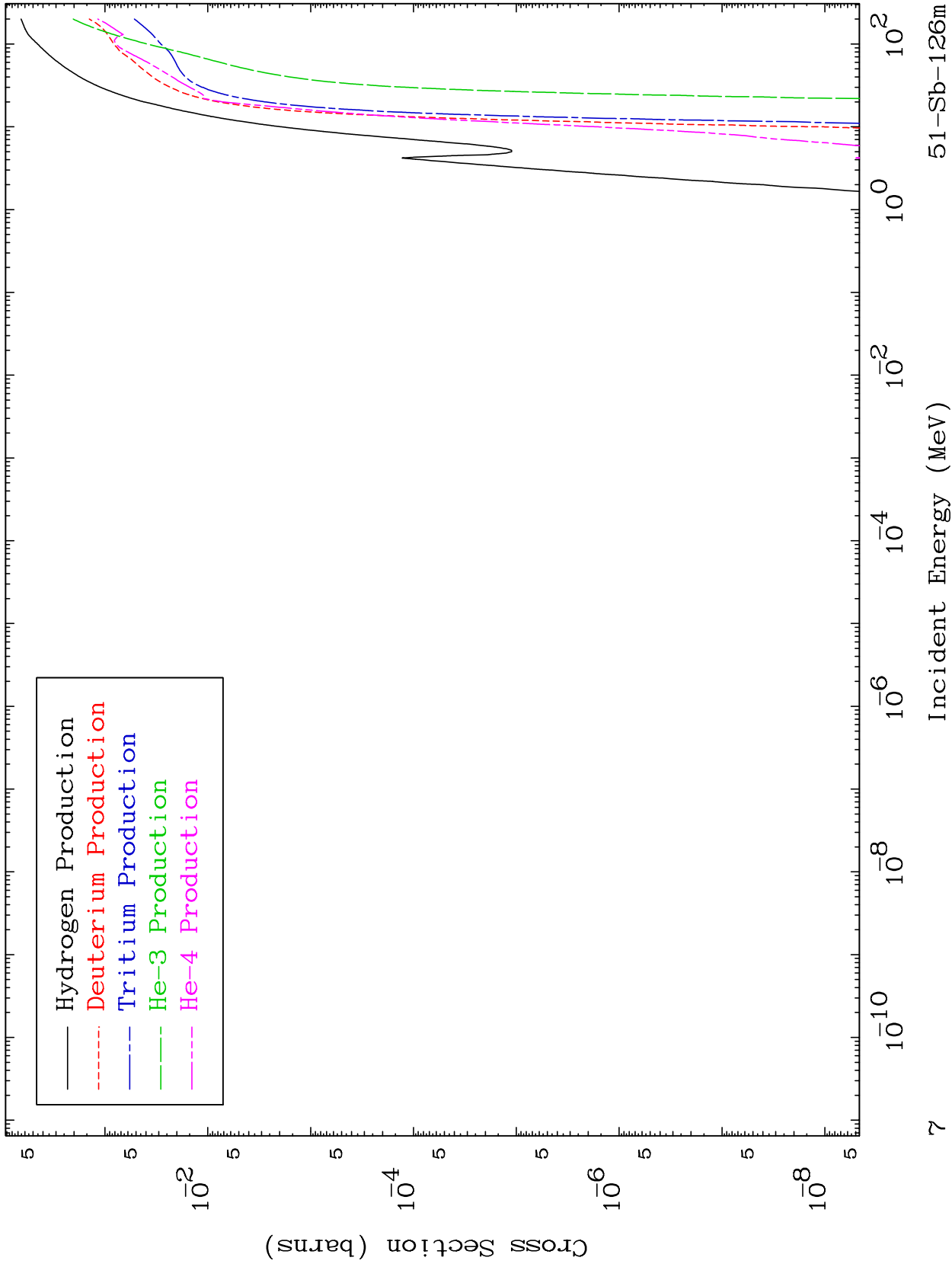
51-Sb-126m



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Particle Production  
293 Kelvin Cross Sections

51-Sb-126m

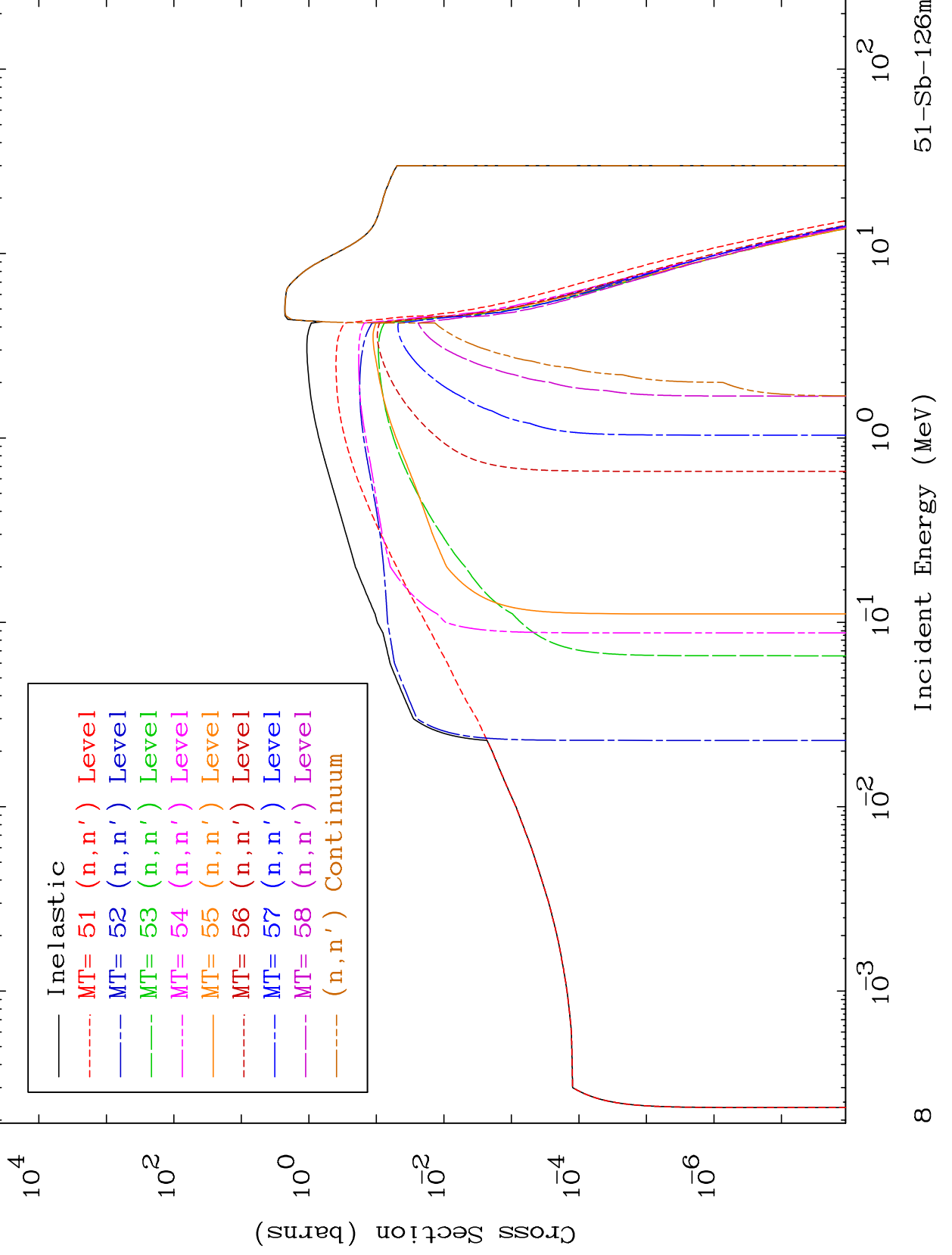




MAT 5141

(n,n') Levels  
293 Kelvin Cross Sections

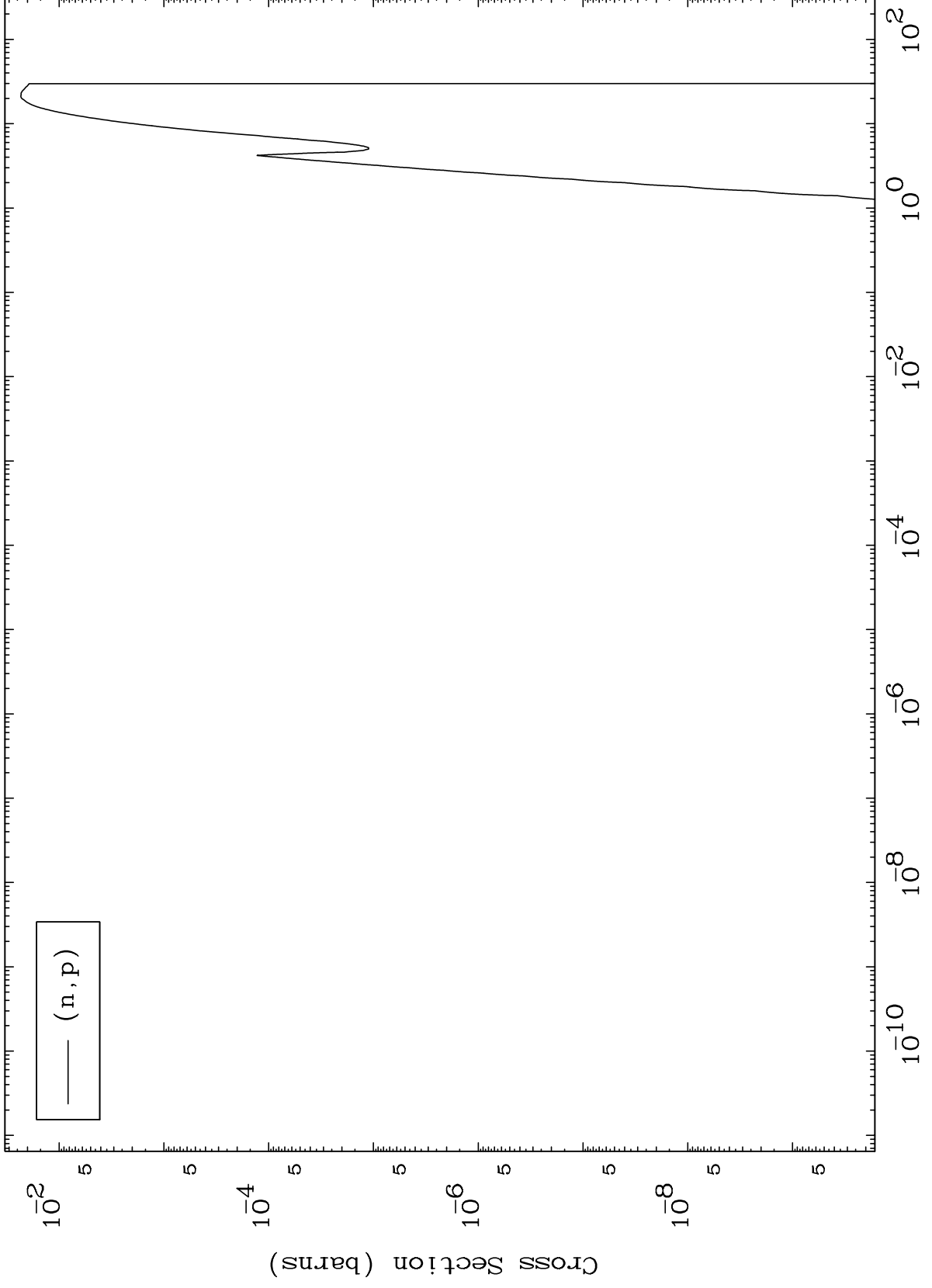
51-Sb-126m



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(n,p) Levels  
293 Kelvin Cross Sections

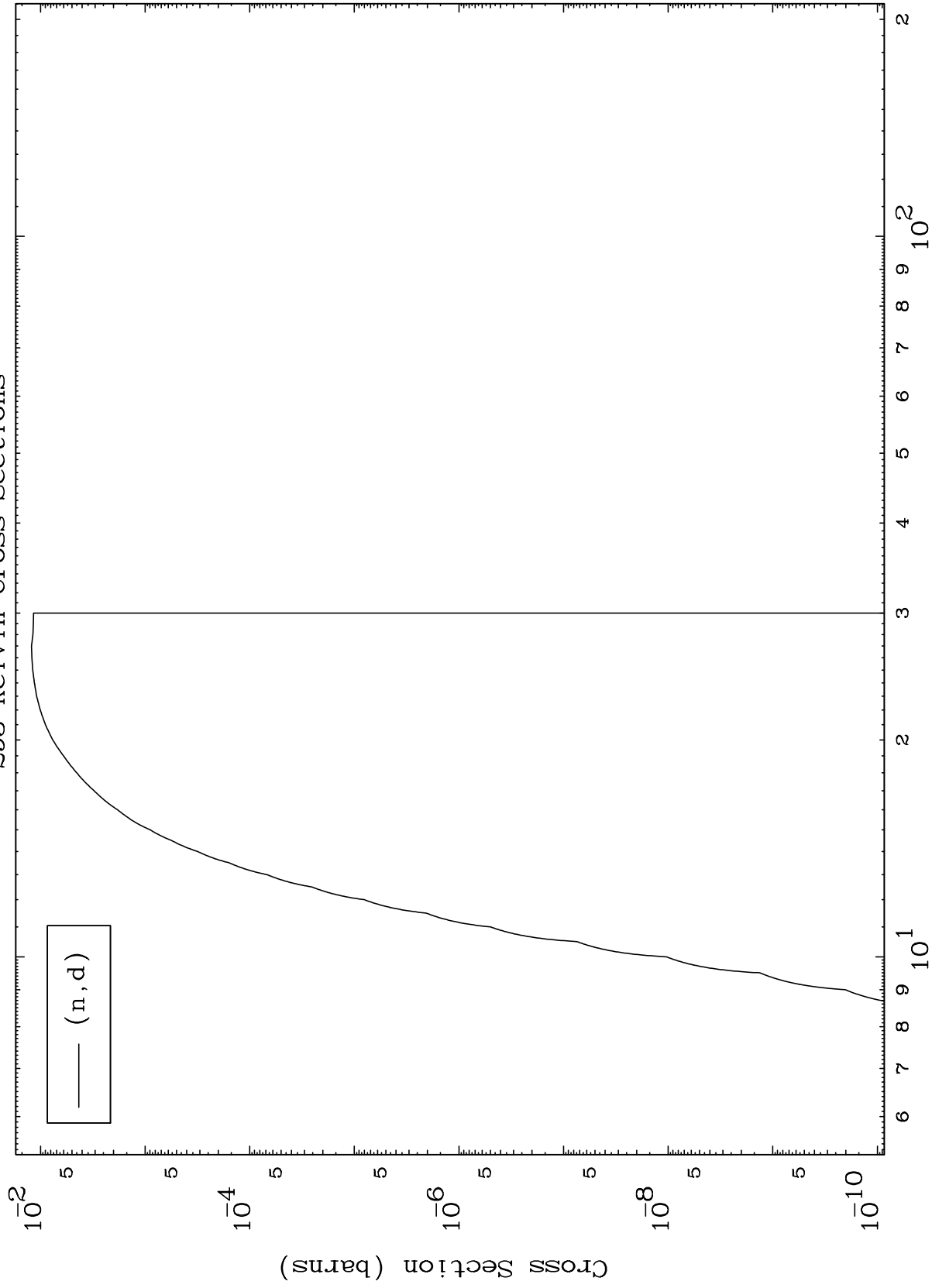
51-Sb-126m



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(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-126m



10

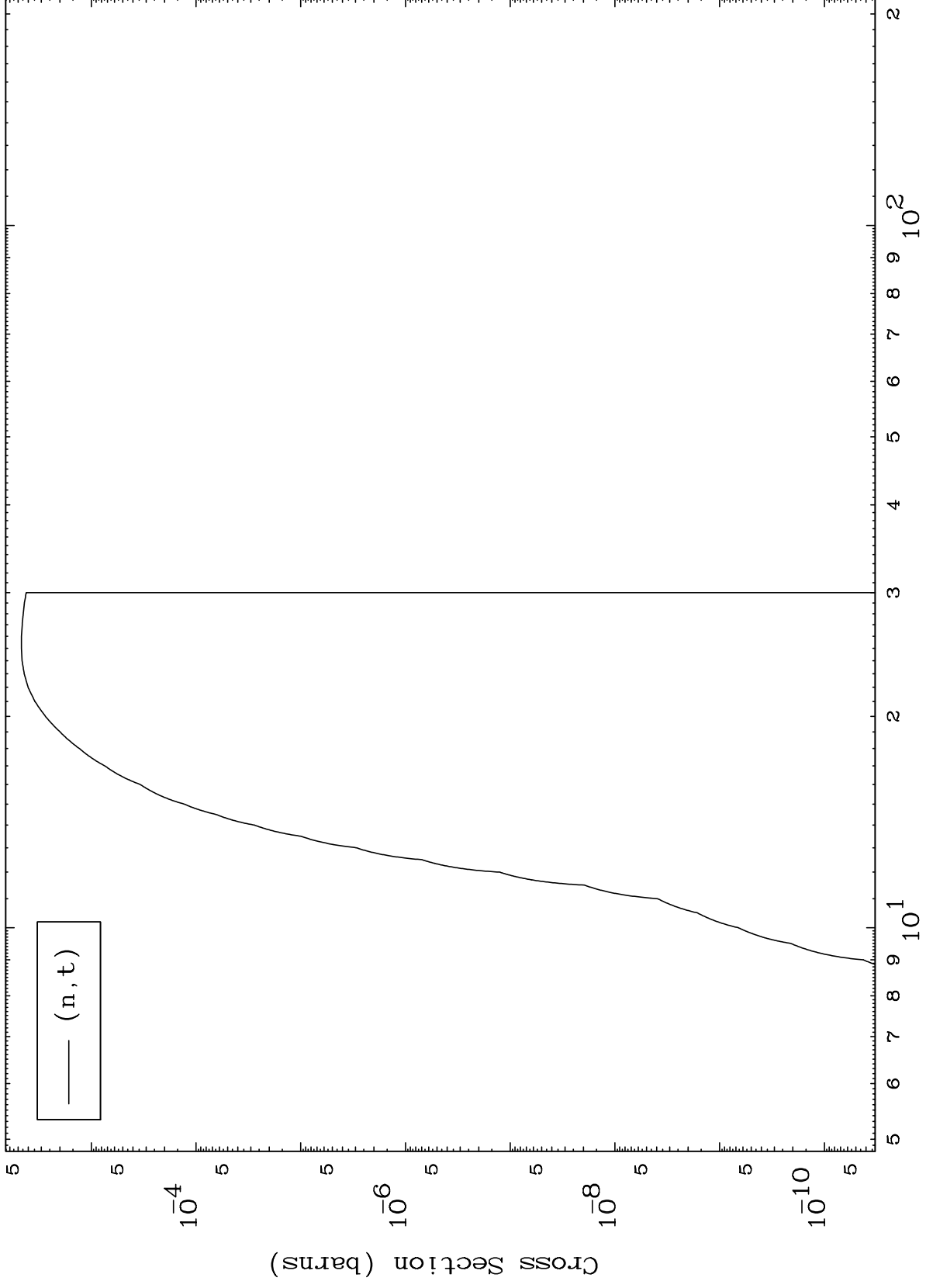
Incident Energy (MeV)

51-Sb-126m

MAT 5141

(n,t) Levels  
293 Kelvin Cross Sections

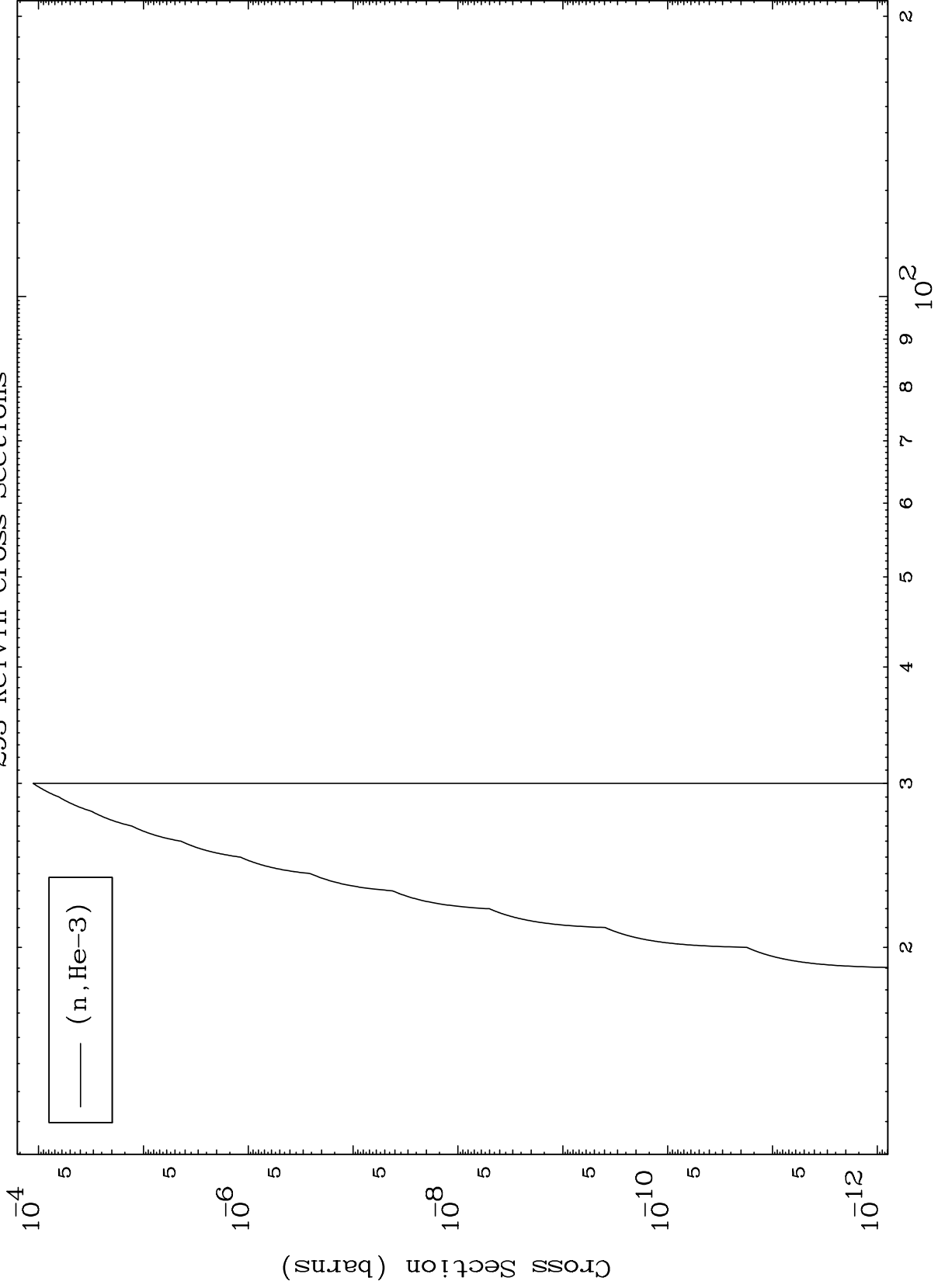
51-Sb-126m



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(n,He3) Levels  
293 Kelvin Cross Sections

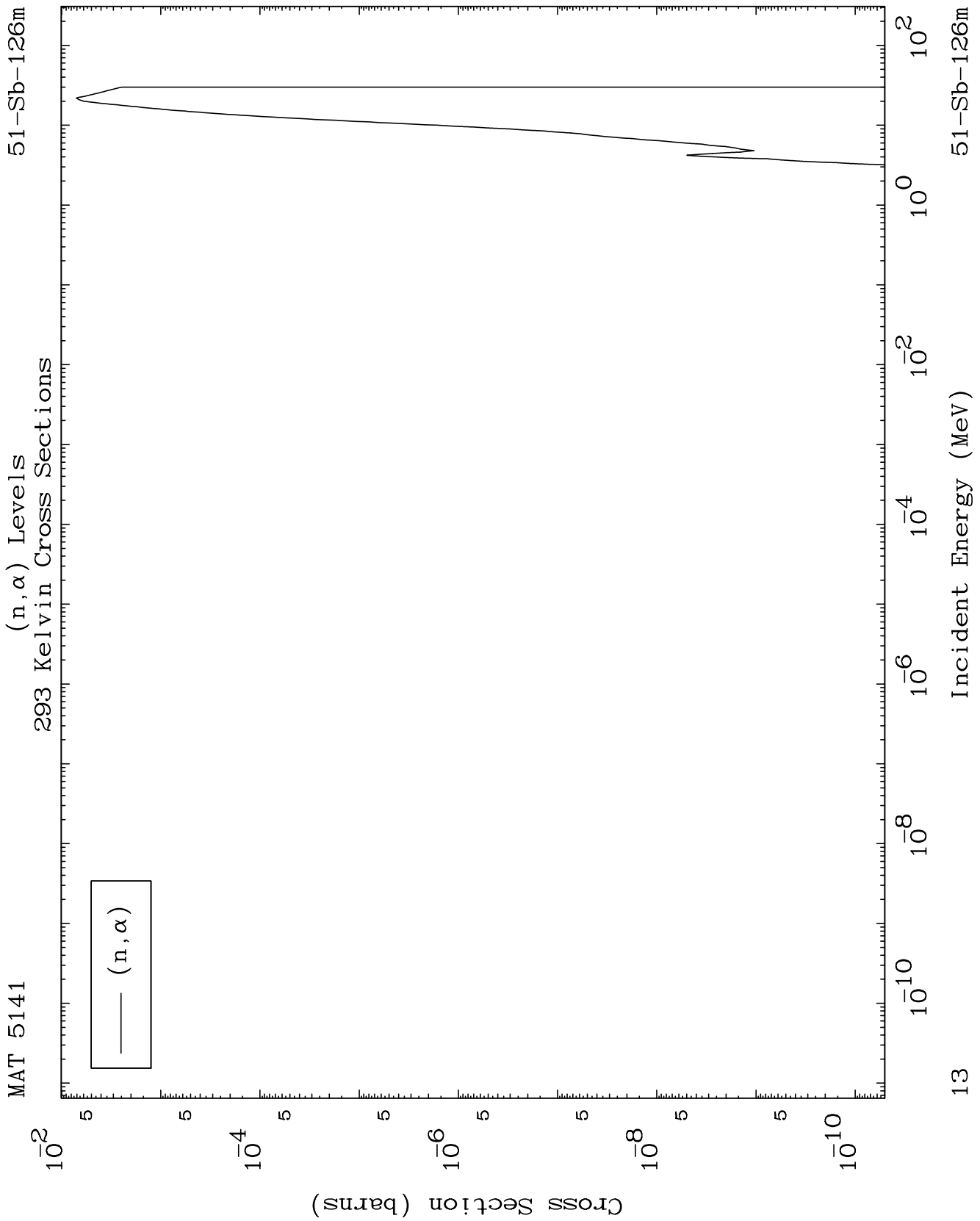
51-Sb-126m

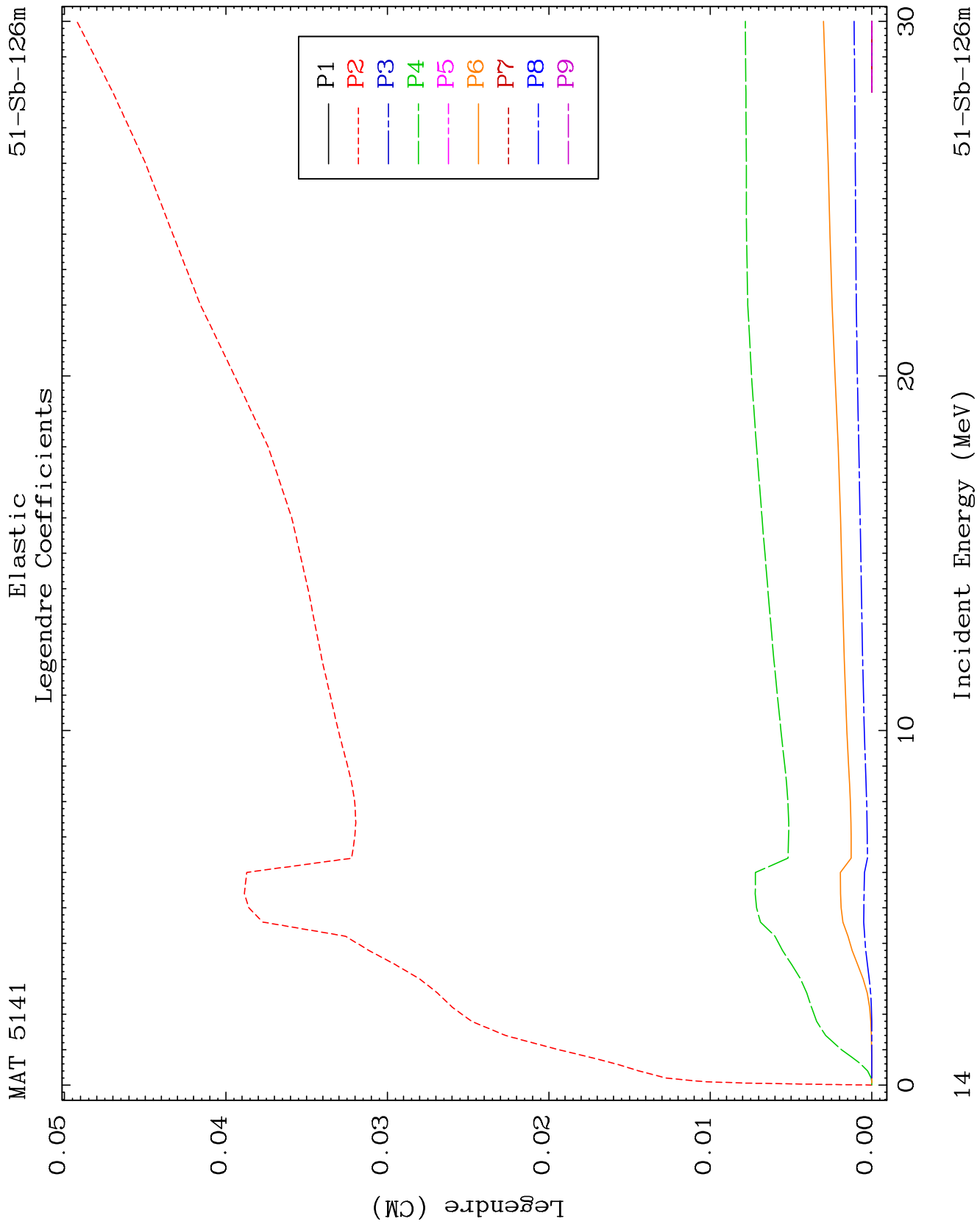


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Incident Energy (MeV)

51-Sb-126m





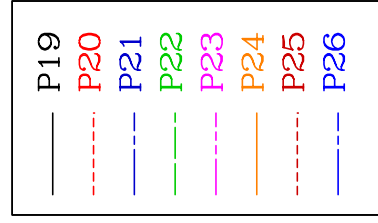




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Elastic  
Legendre Coefficients

51-Sb-126m



$\times 10^{-7}$

Legendre (CM)

8

6

4

2

0

15

20

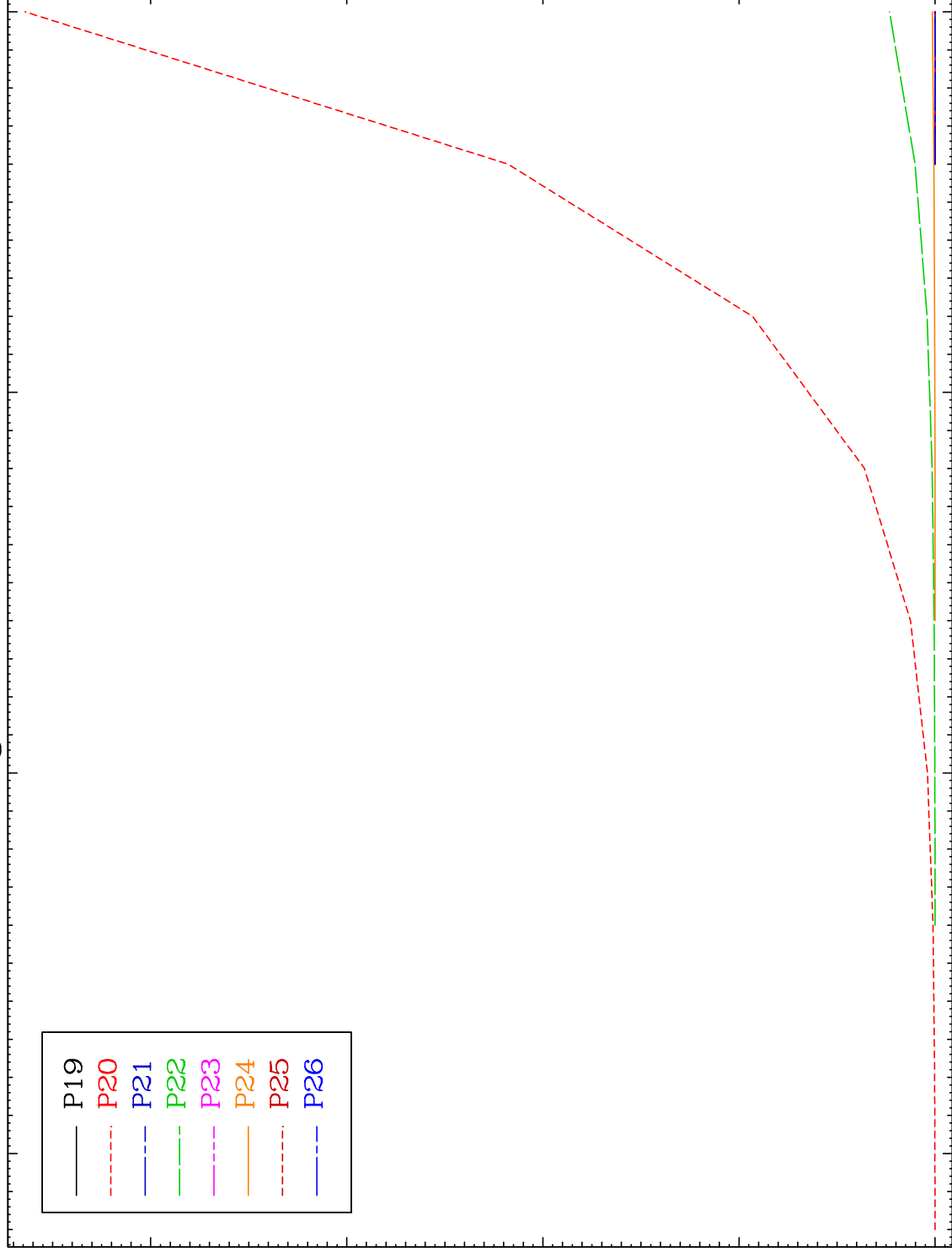
25

30

16

Incident Energy (MeV)

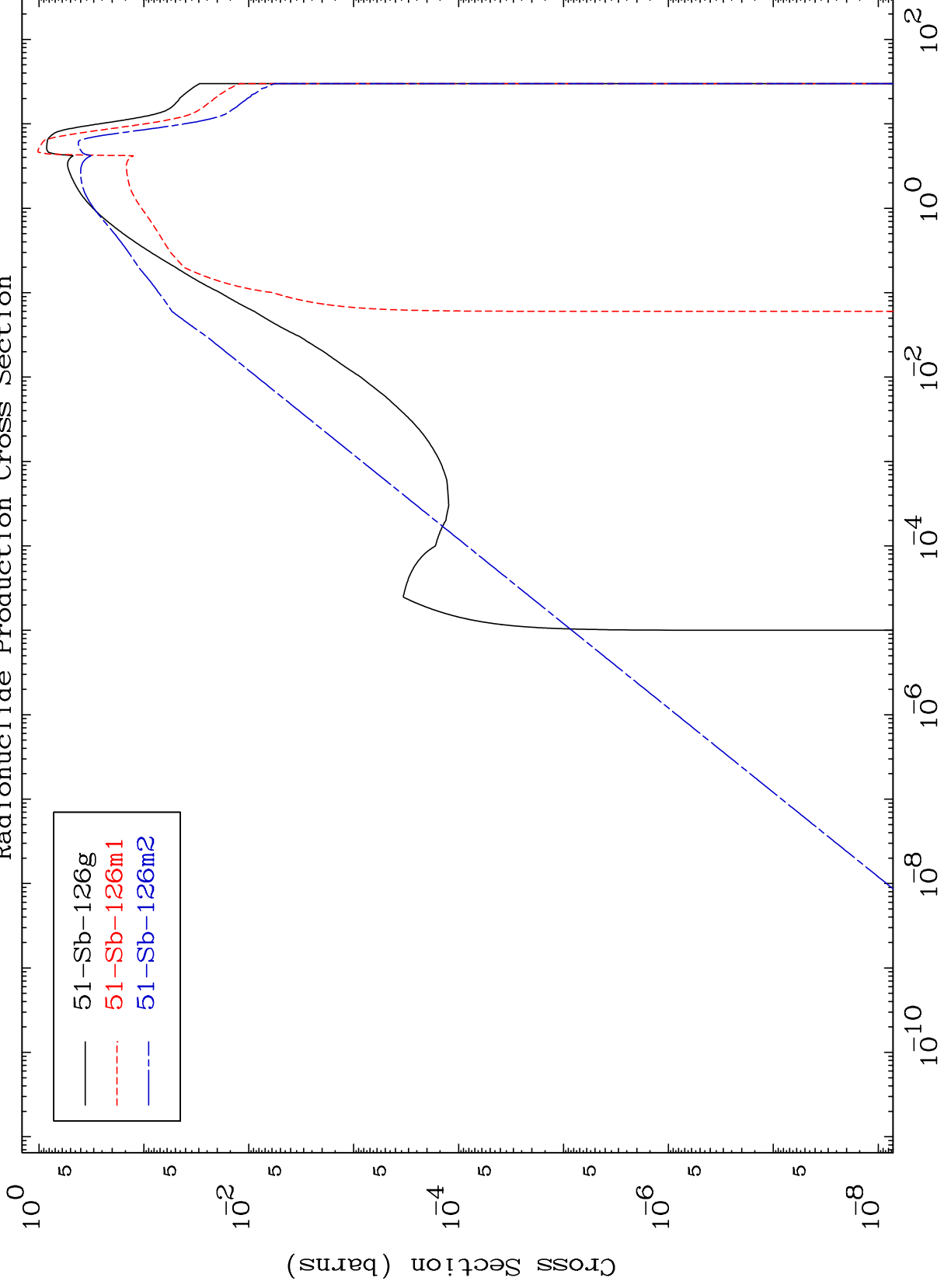
51-Sb-126m



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Inelastic  
Radionuclide Production Cross Section

51-Sb-126m

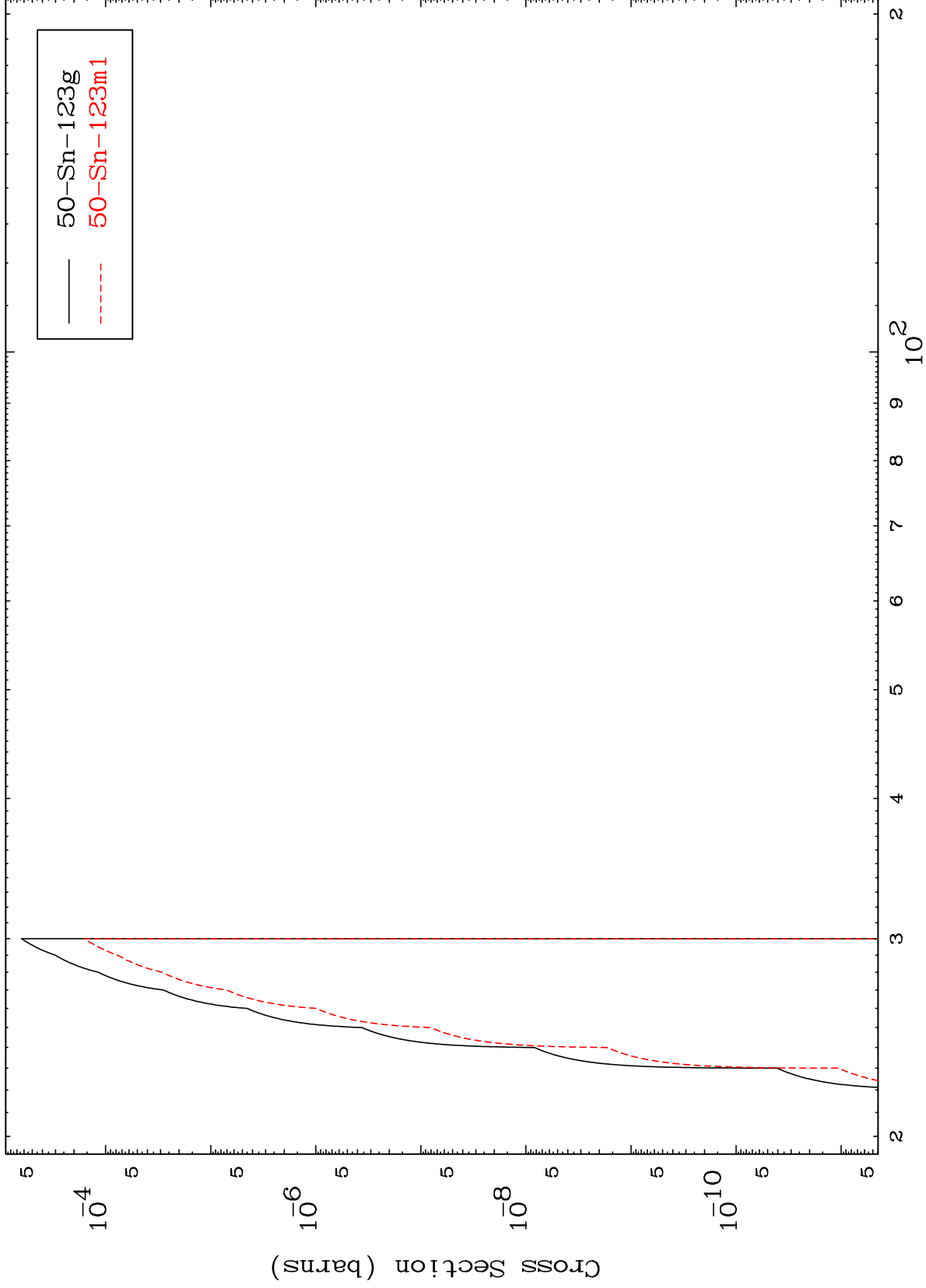


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(n,2n) d

51-Sb-126m

Radionuclide Production Cross Section



18

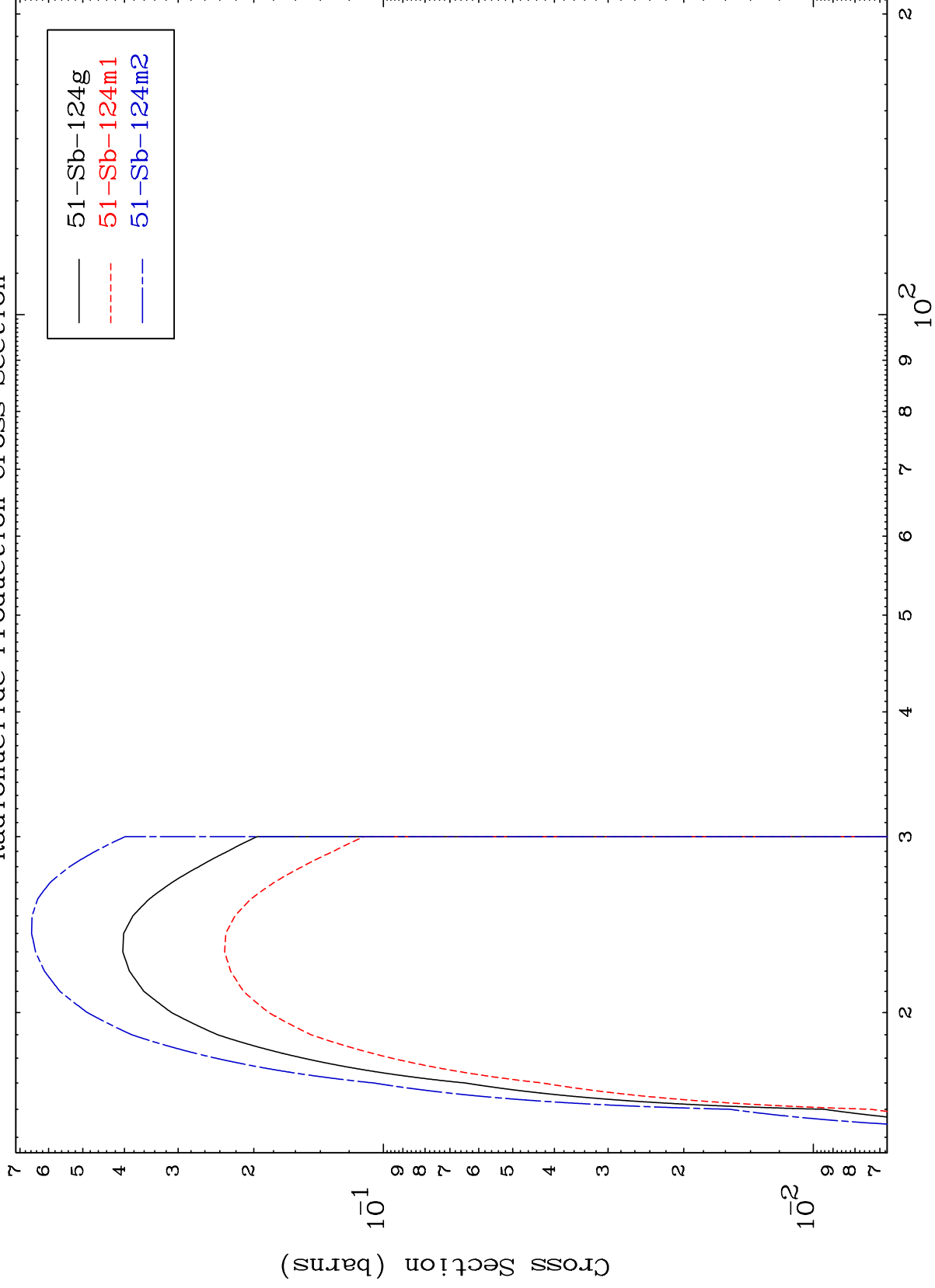
Incident Energy (MeV)

51-Sb-126m

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51-Sb-126m

(n,3n)  
Radionuclide Production Cross Section



19

Incident Energy (MeV)

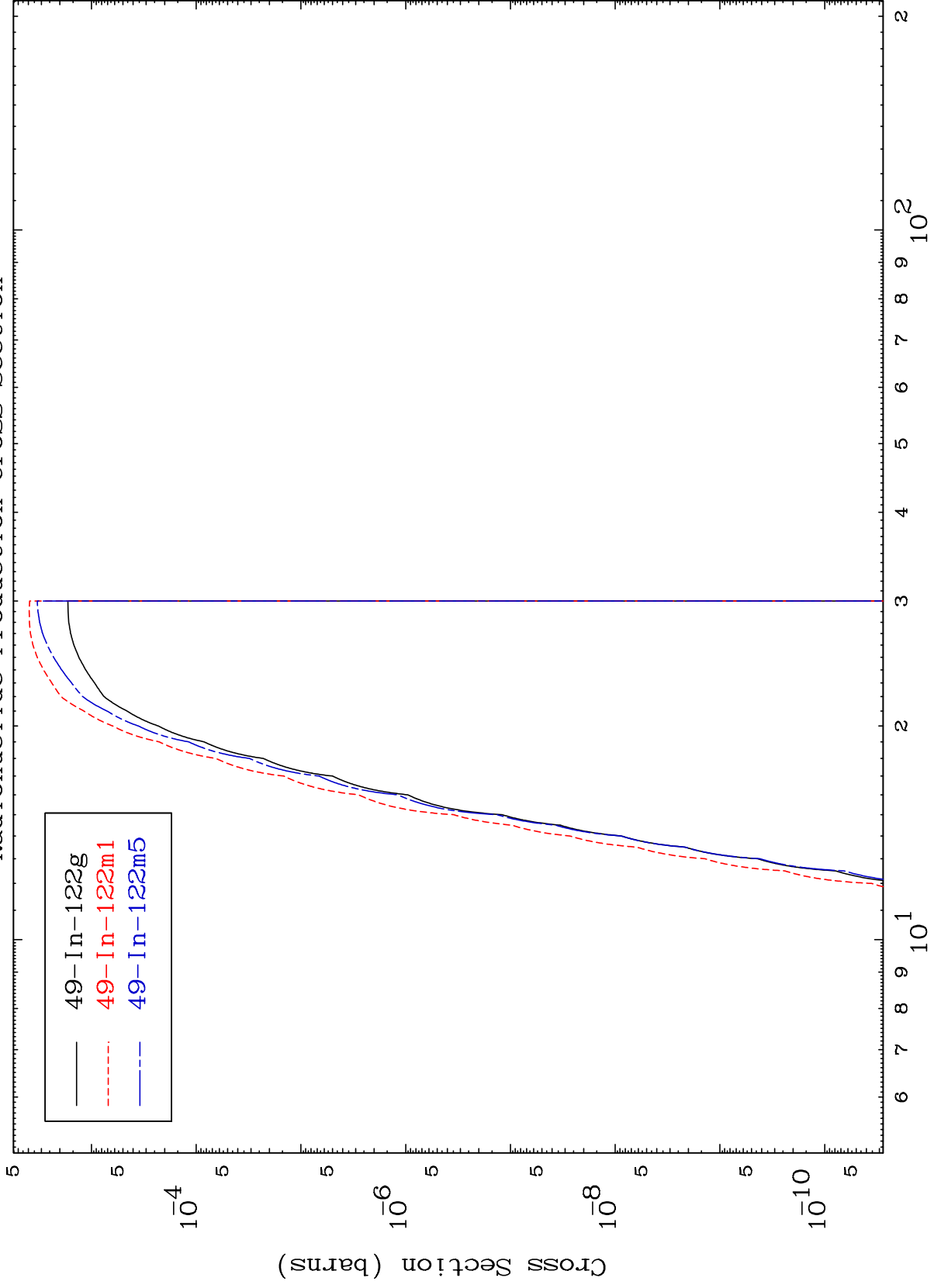
51-Sb-126m

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51-Sb-126m

(n,n')  $\alpha$

Radionuclide Production Cross Section



20

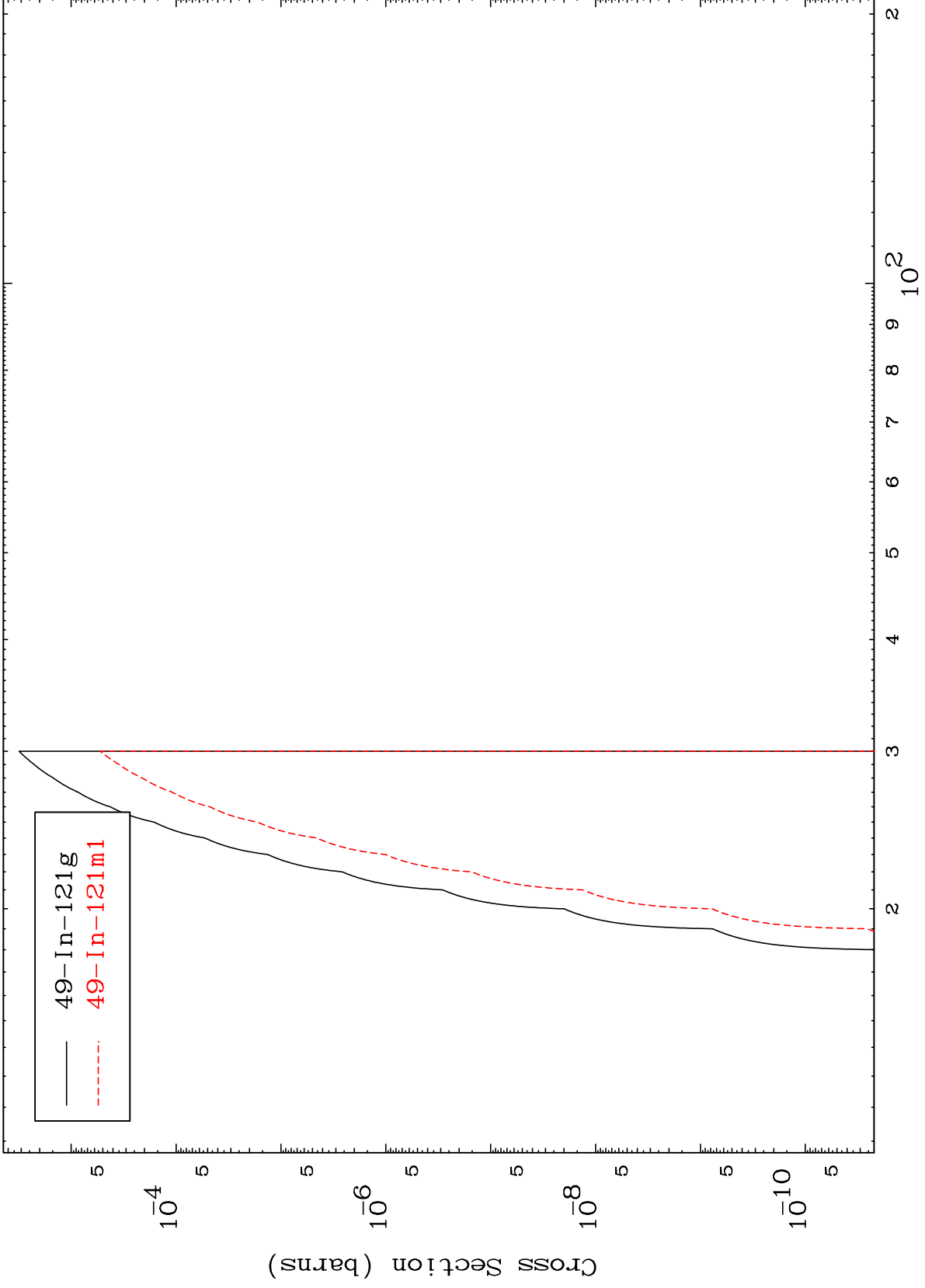
Incident Energy (MeV)

51-Sb-126m

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51-Sb-126m

(n,2n)  $\alpha$   
Radionuclide Production Cross Section



21

Incident Energy (MeV)

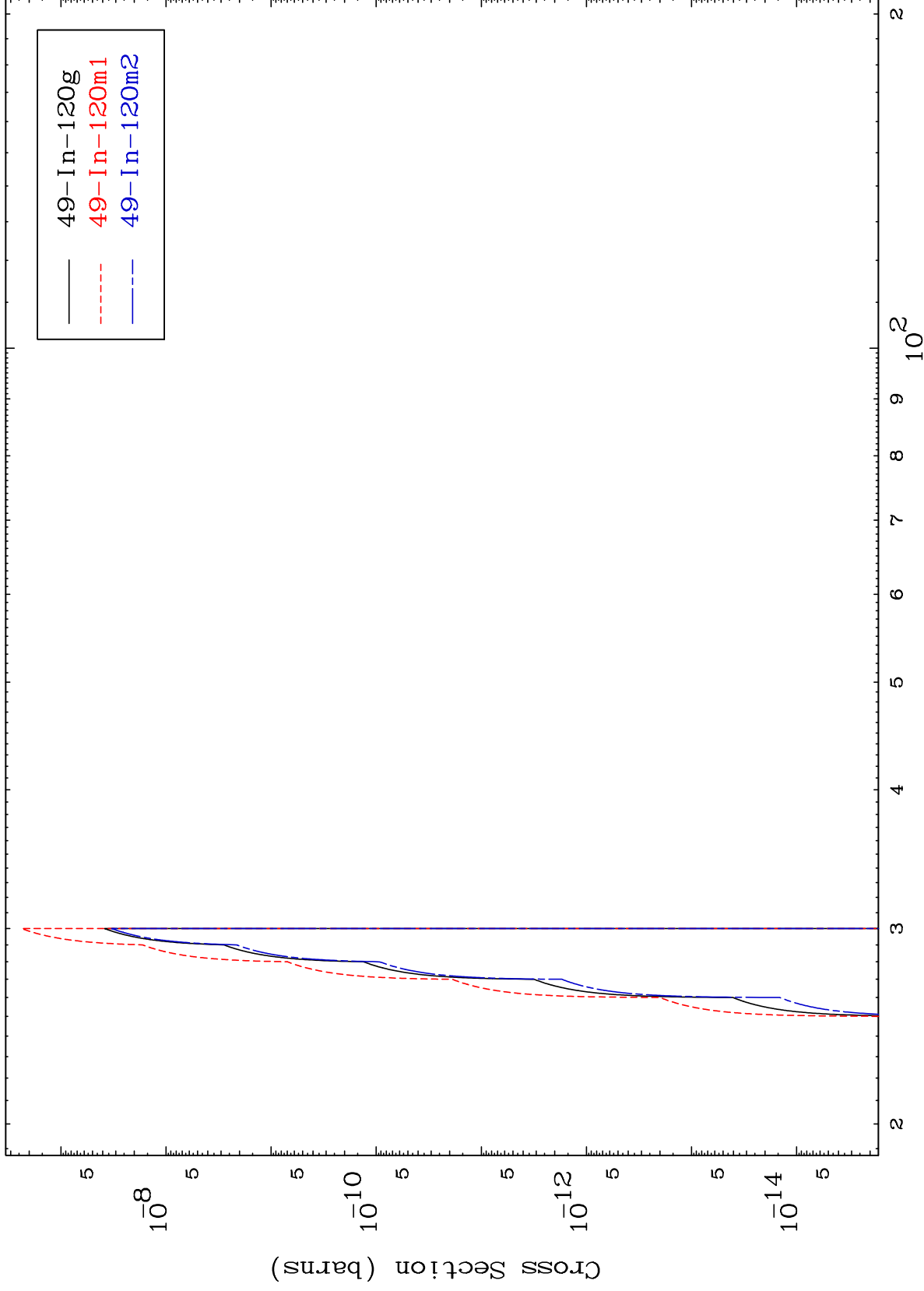
51-Sb-126m

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(n,3n)  $\alpha$

51-Sb-126m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

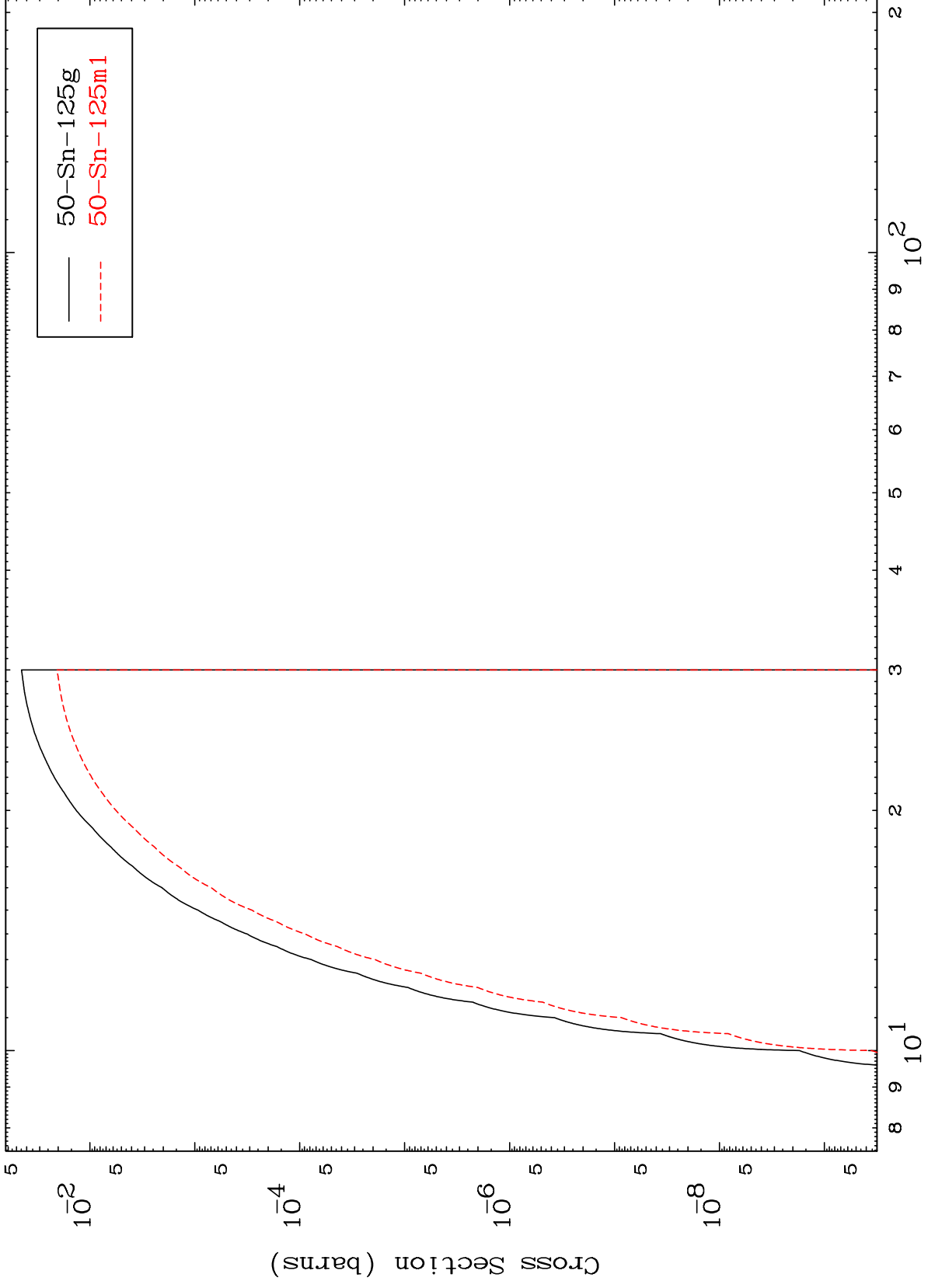
51-Sb-126m

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(n,n') p

51-Sb-126m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

51-Sb-126m

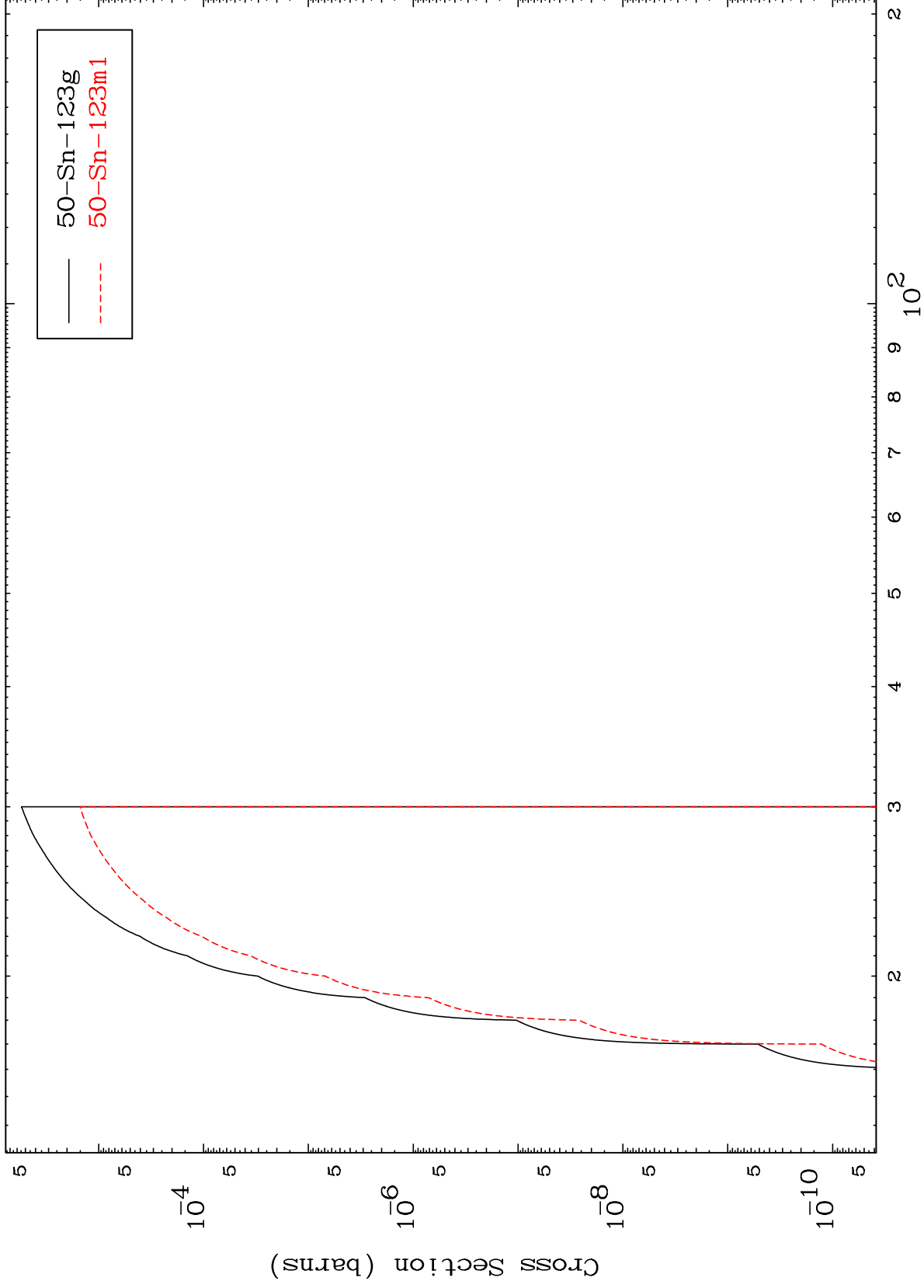


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(n,n') t

51-Sb-126m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

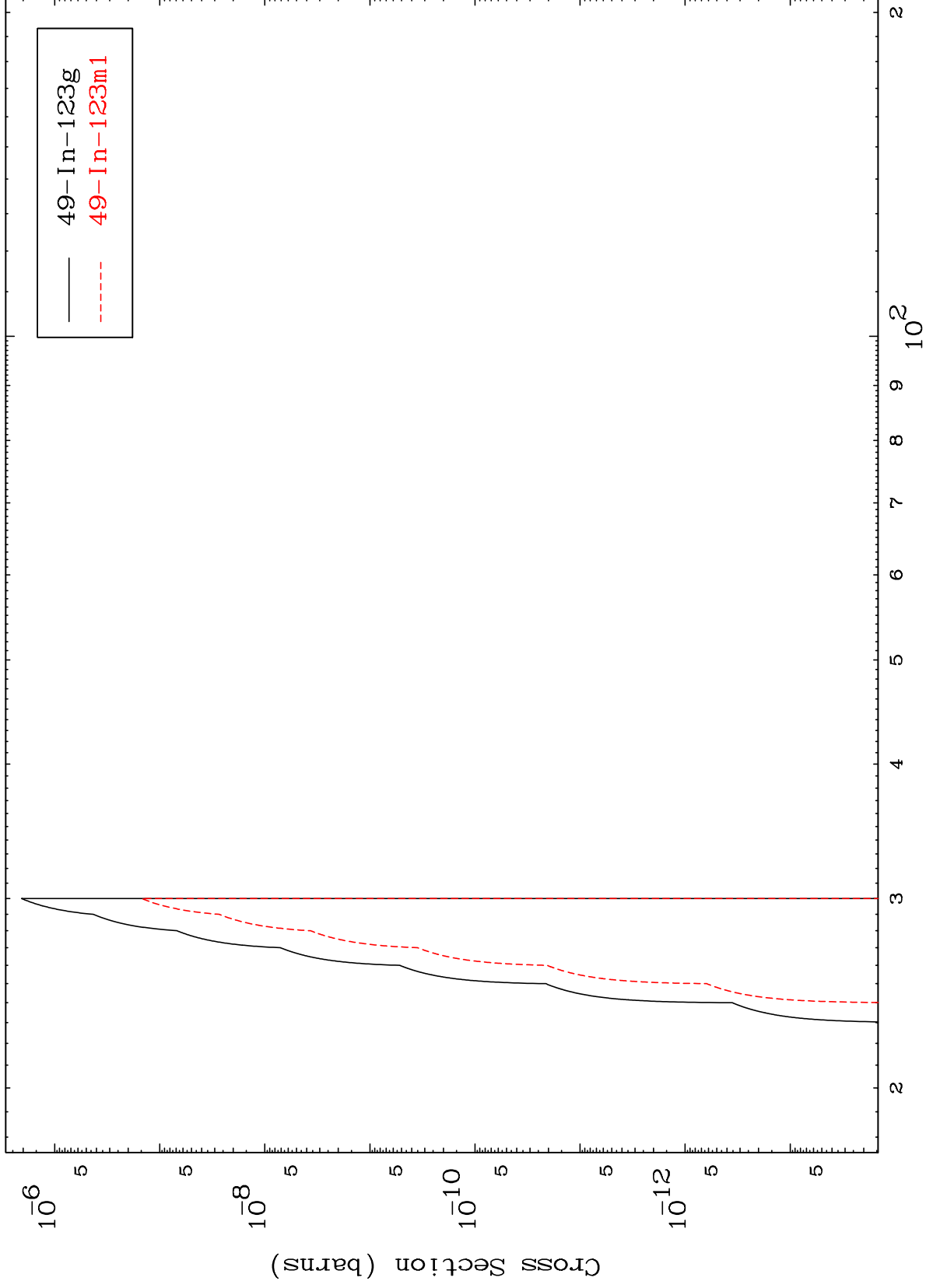
51-Sb-126m

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(n,n') He-3

51-Sb-126m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

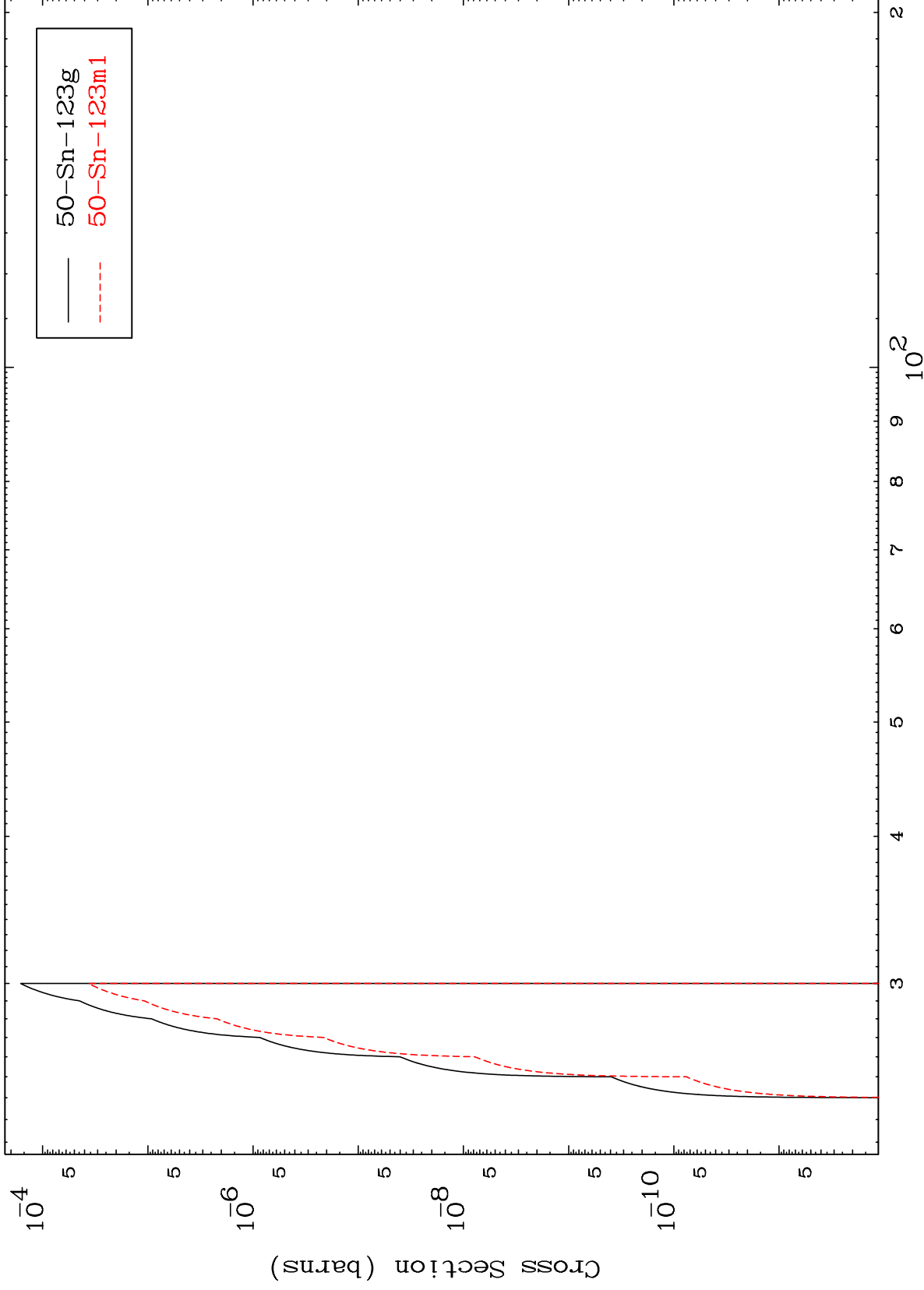
51-Sb-126m

MAT 5141

(n,3n) p

51-Sb-126m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

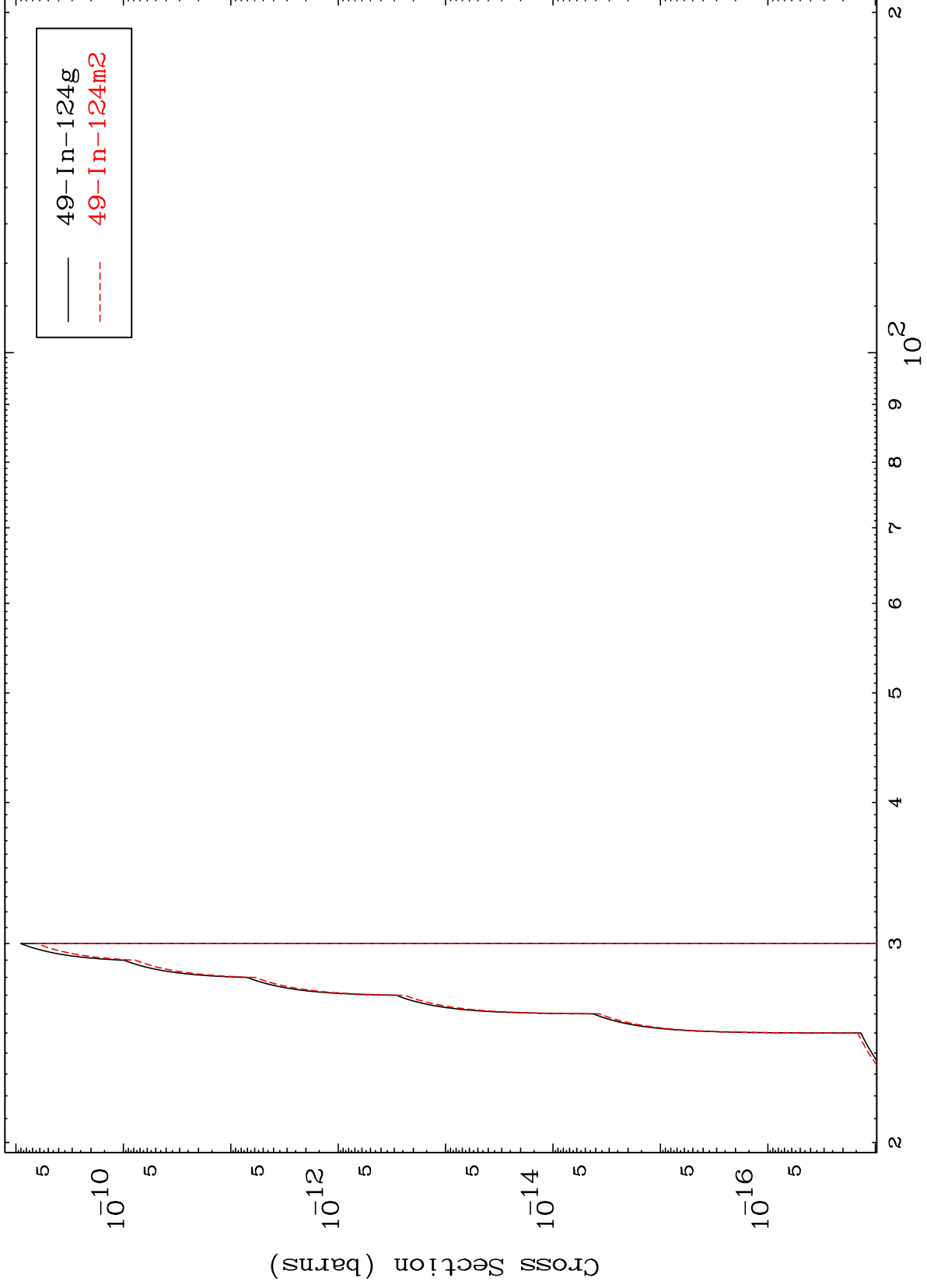
51-Sb-126m

MAT 5141

(n,2n) p

51-Sb-126m

Radionuclide Production Cross Section



27

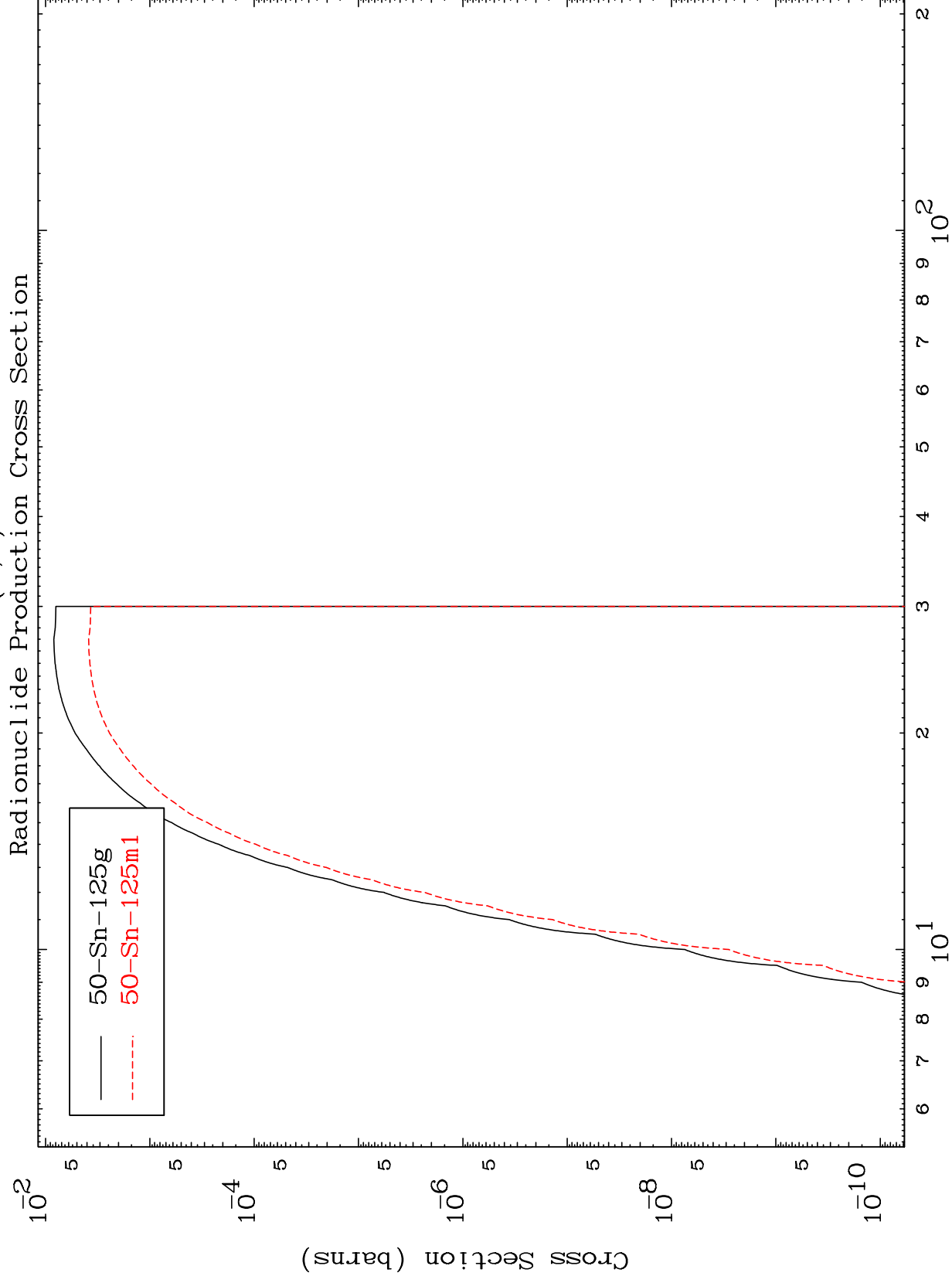
Incident Energy (MeV)

51-Sb-126m

MAT 5141

(n,d)

51-Sb-126m



28

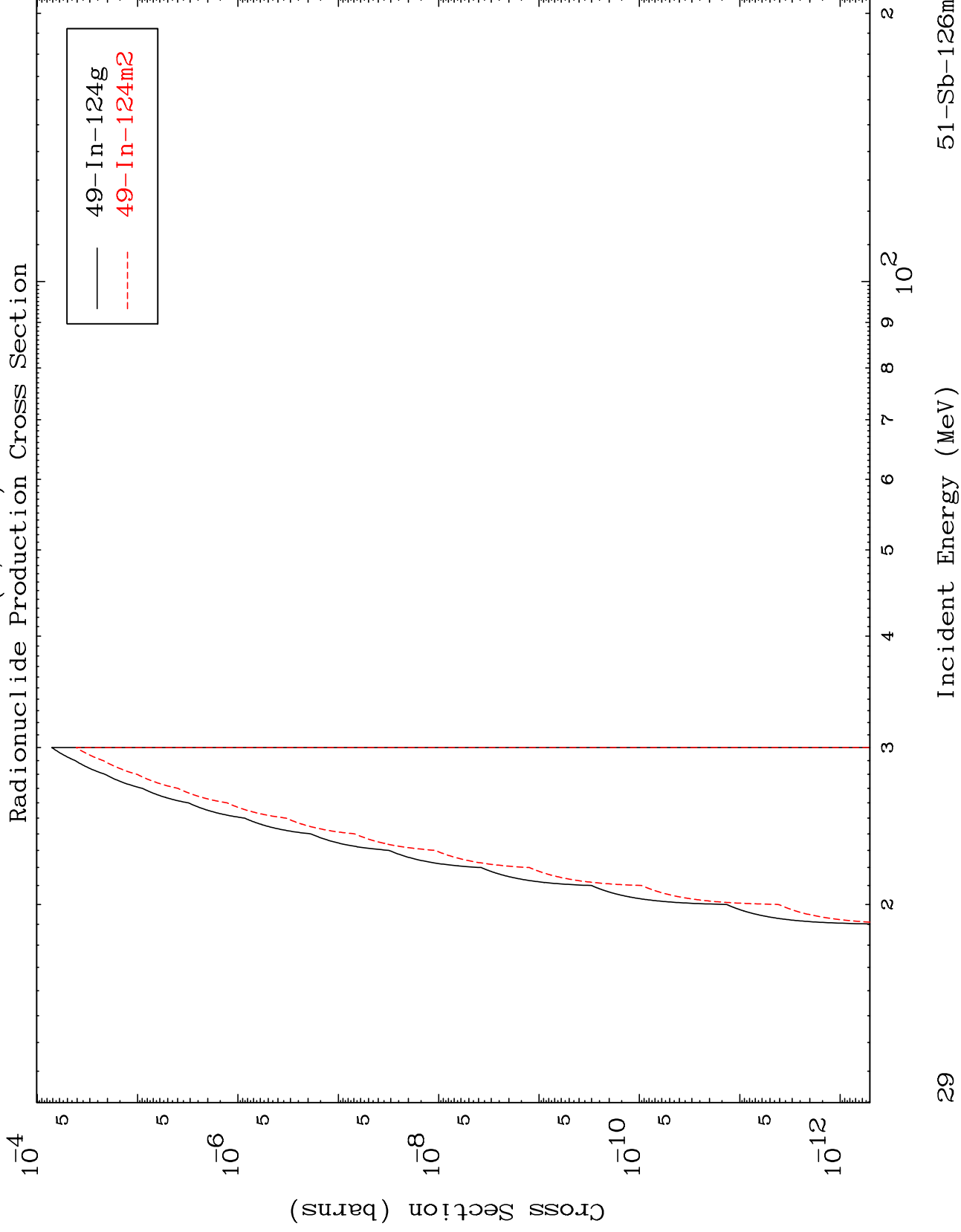
Incident Energy (MeV)

51-Sb-126m

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(n,He-3)

51-Sb-126m



29

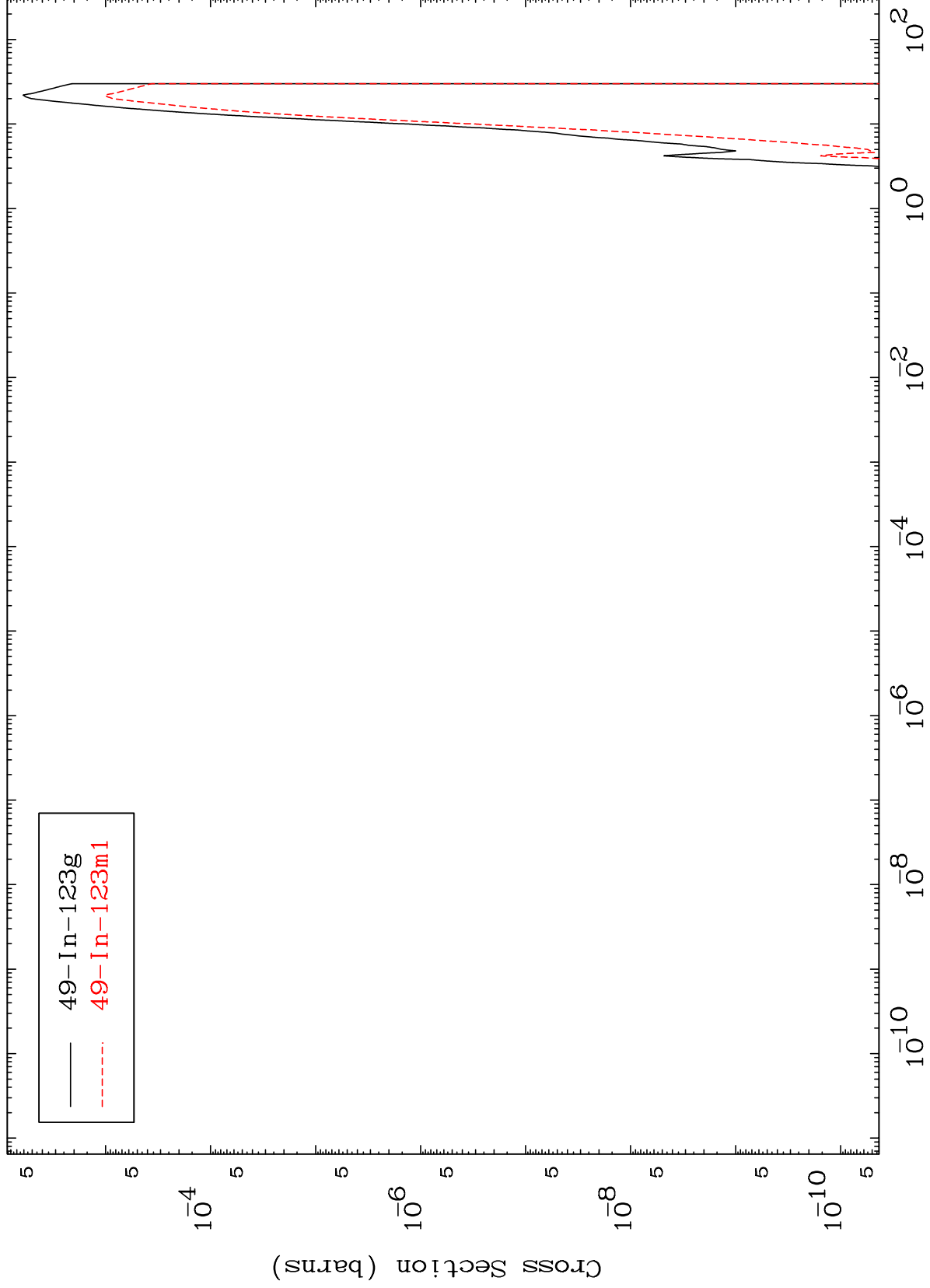
51-Sb-126m

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(n,  $\alpha$ )

51-Sb-126m

Radionuclide Production Cross Section



30

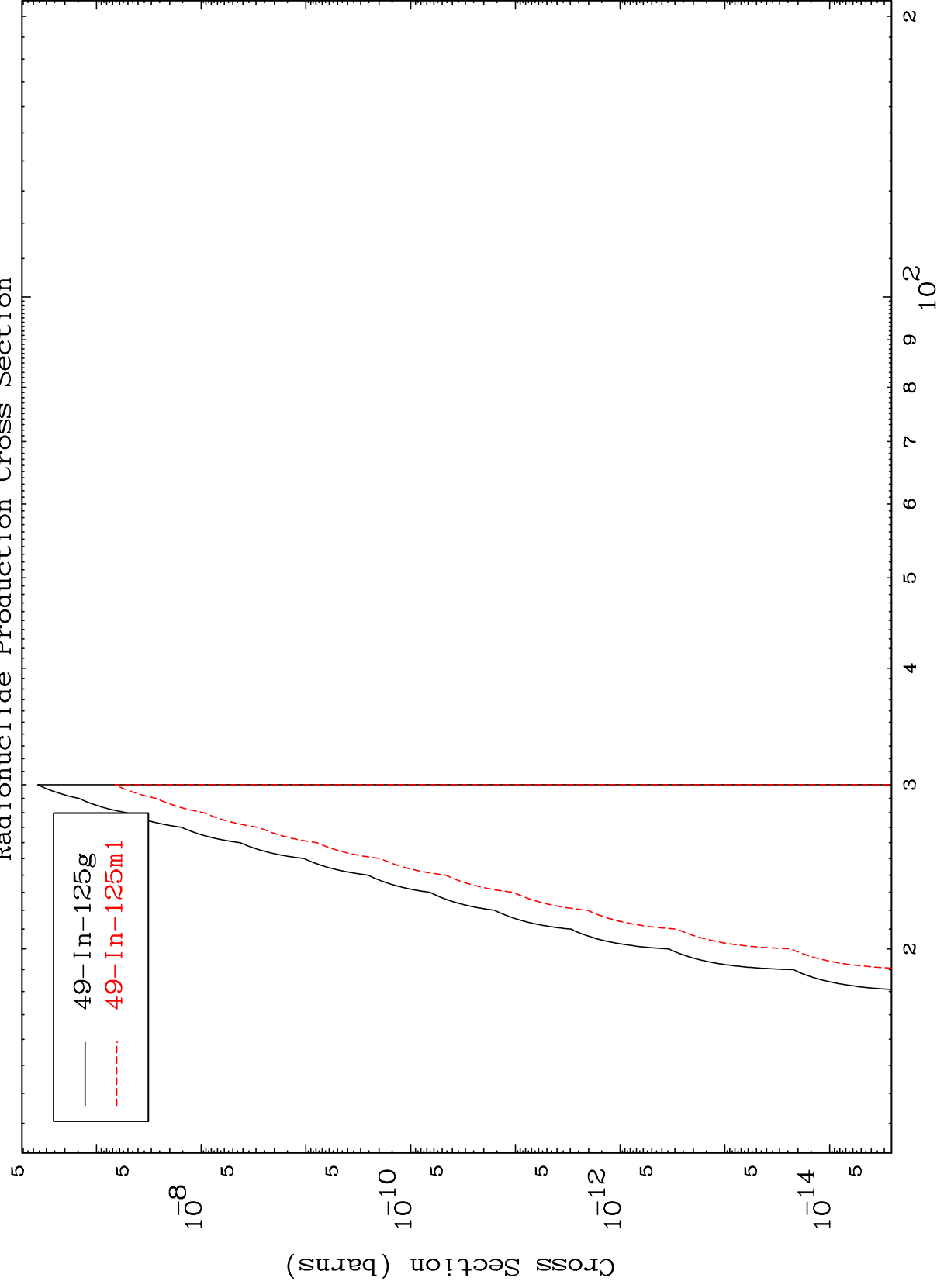
Incident Energy (MeV)

51-Sb-126m

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51-Sb-126m

(n,2p)  
Radionuclide Production Cross Section



31

Incident Energy (MeV)

51-Sb-126m