

Program EVALPLOT  
(Version 2021-1)

by

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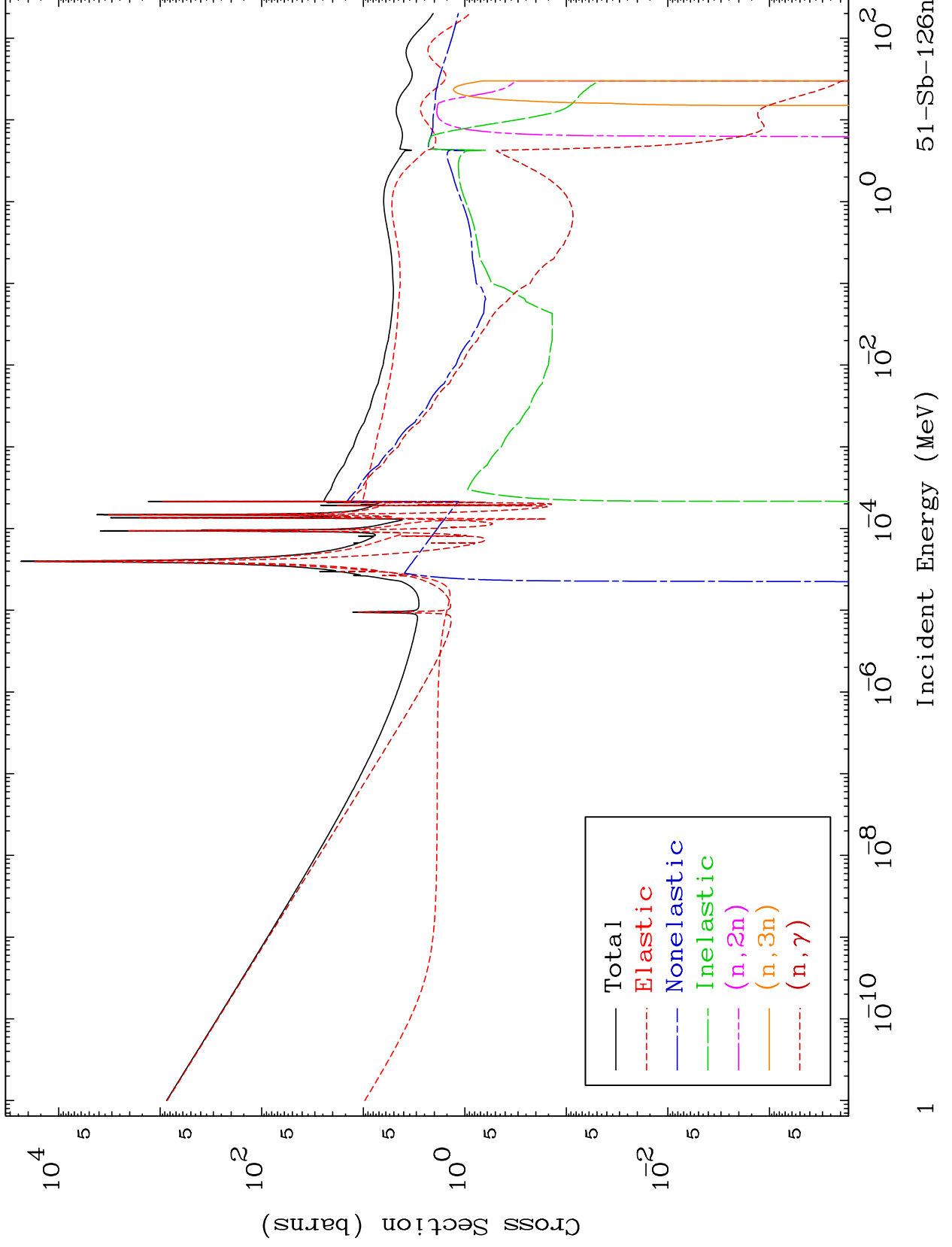
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5142

Neutron Major  
293 Kelvin Cross Sections

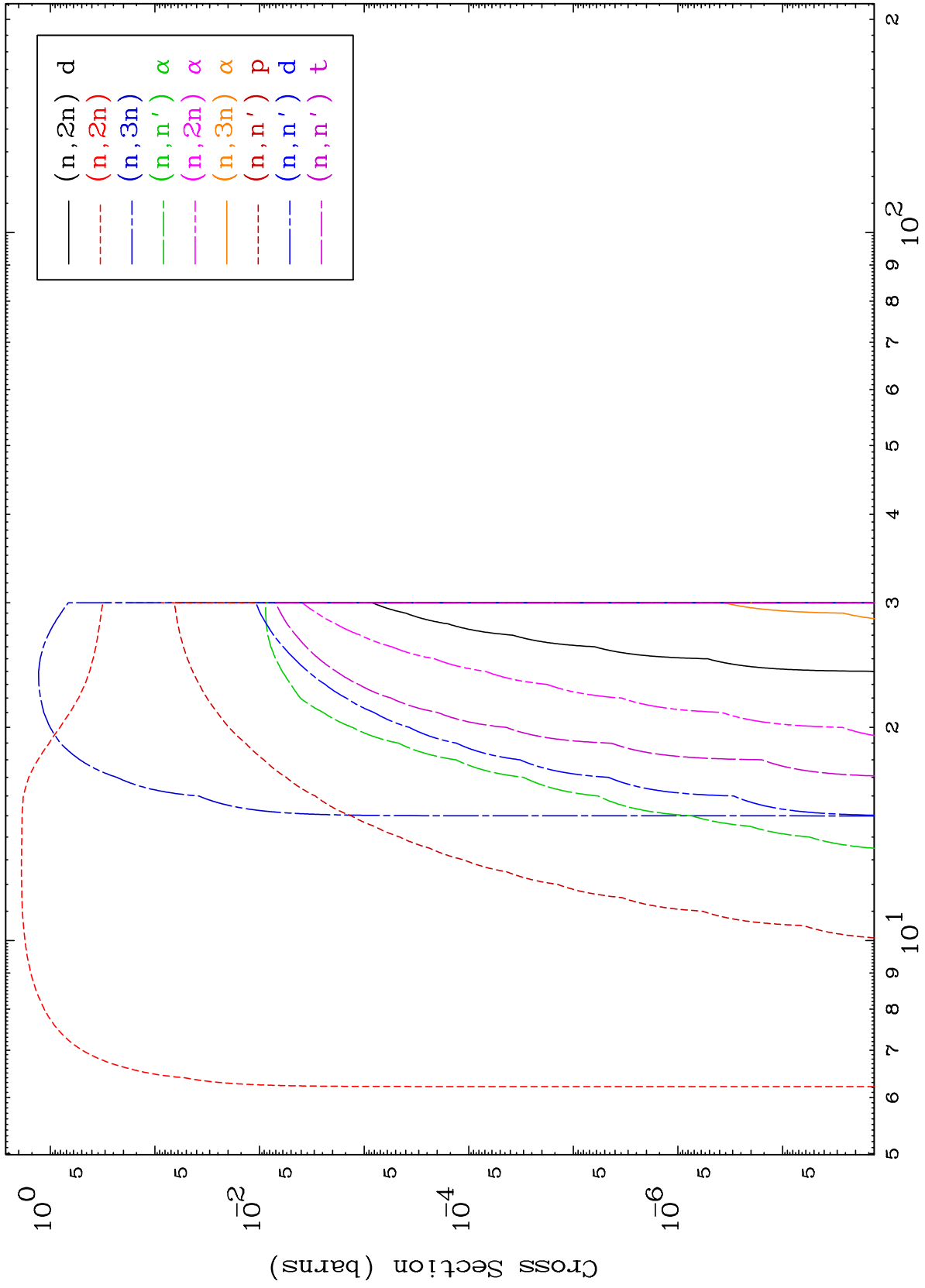
51-Sb-126n



MAT 5142

Neutron Absorption  
293 Kelvin Cross Sections

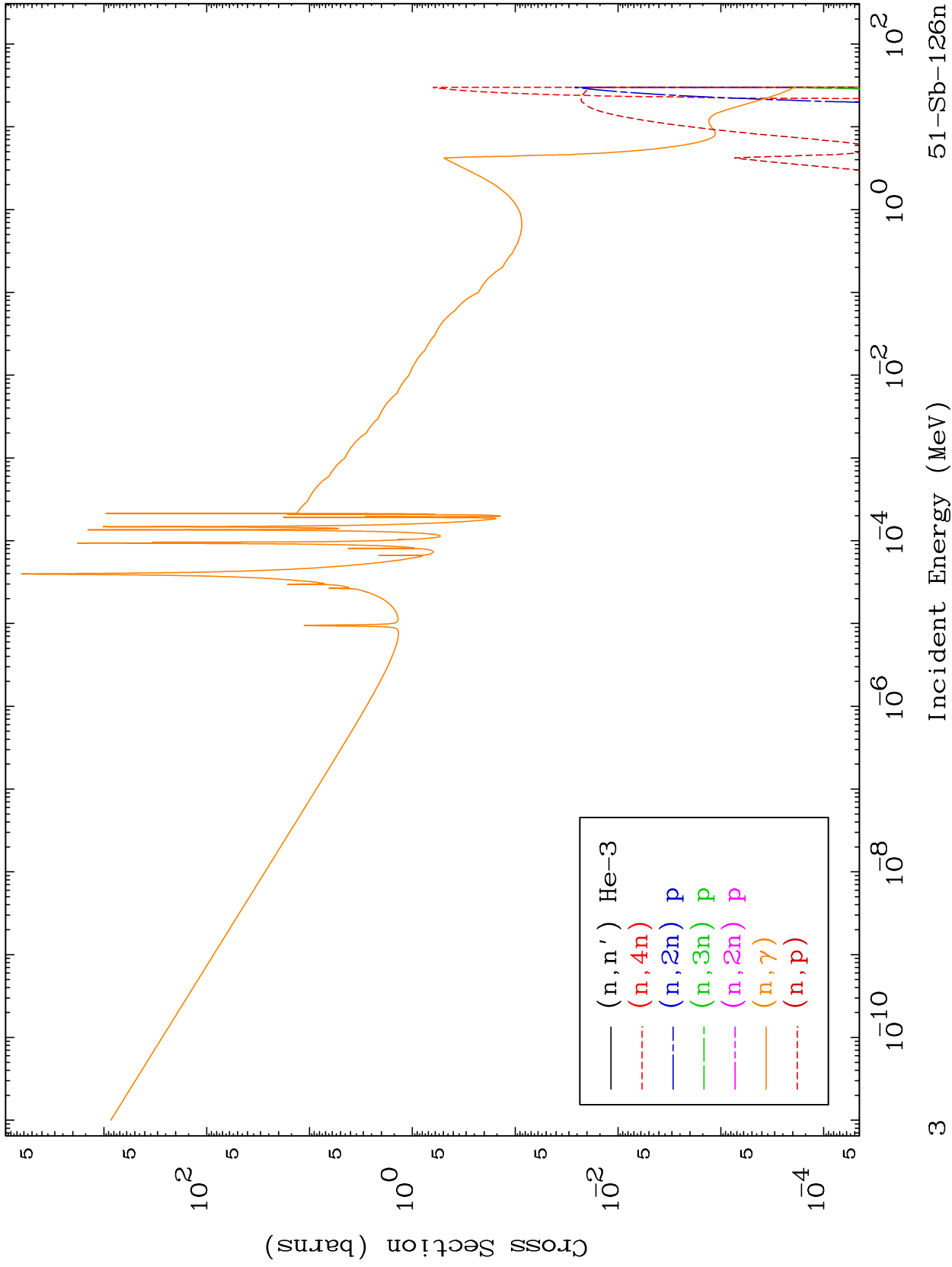
51-Sb-126n

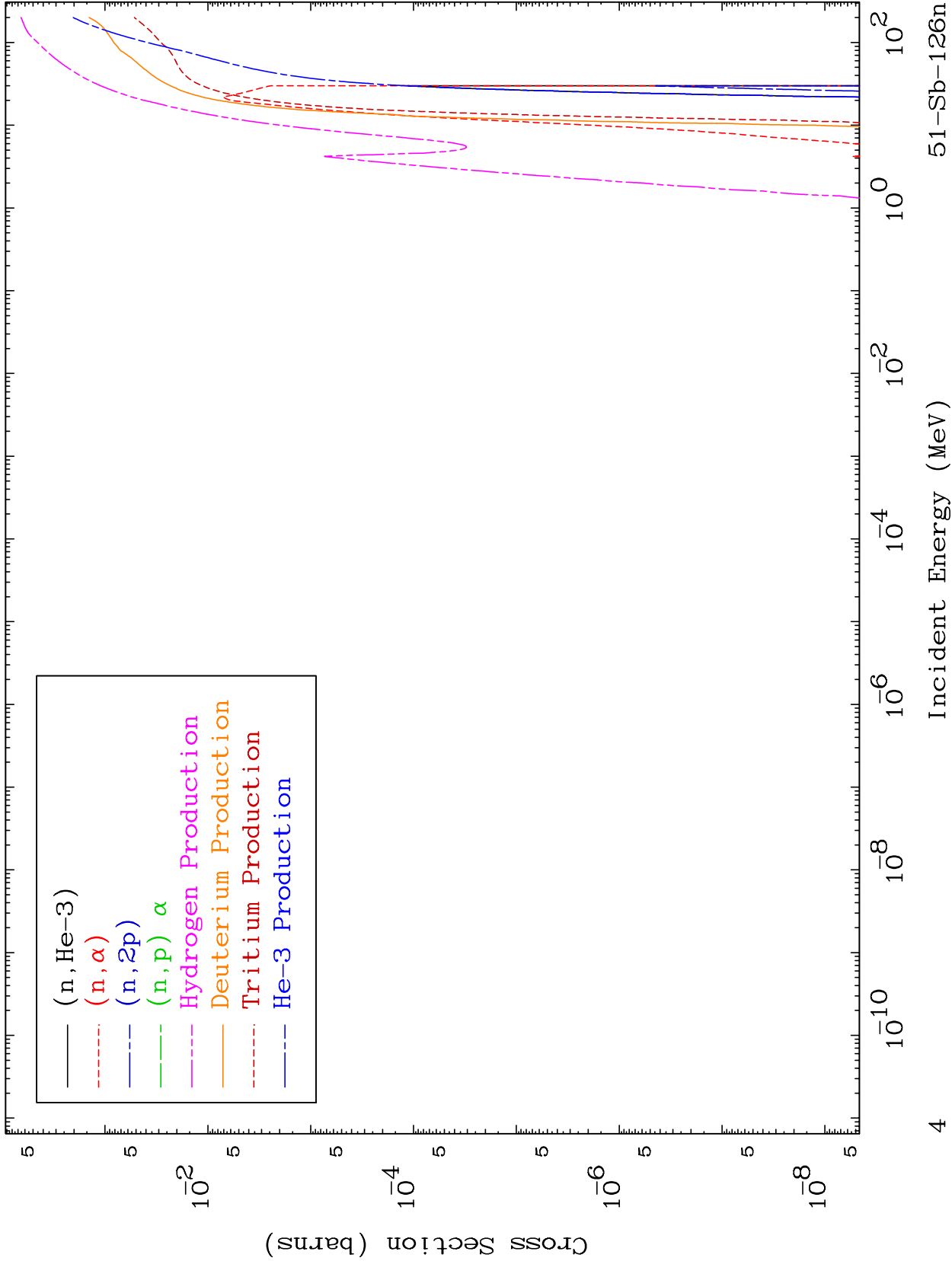


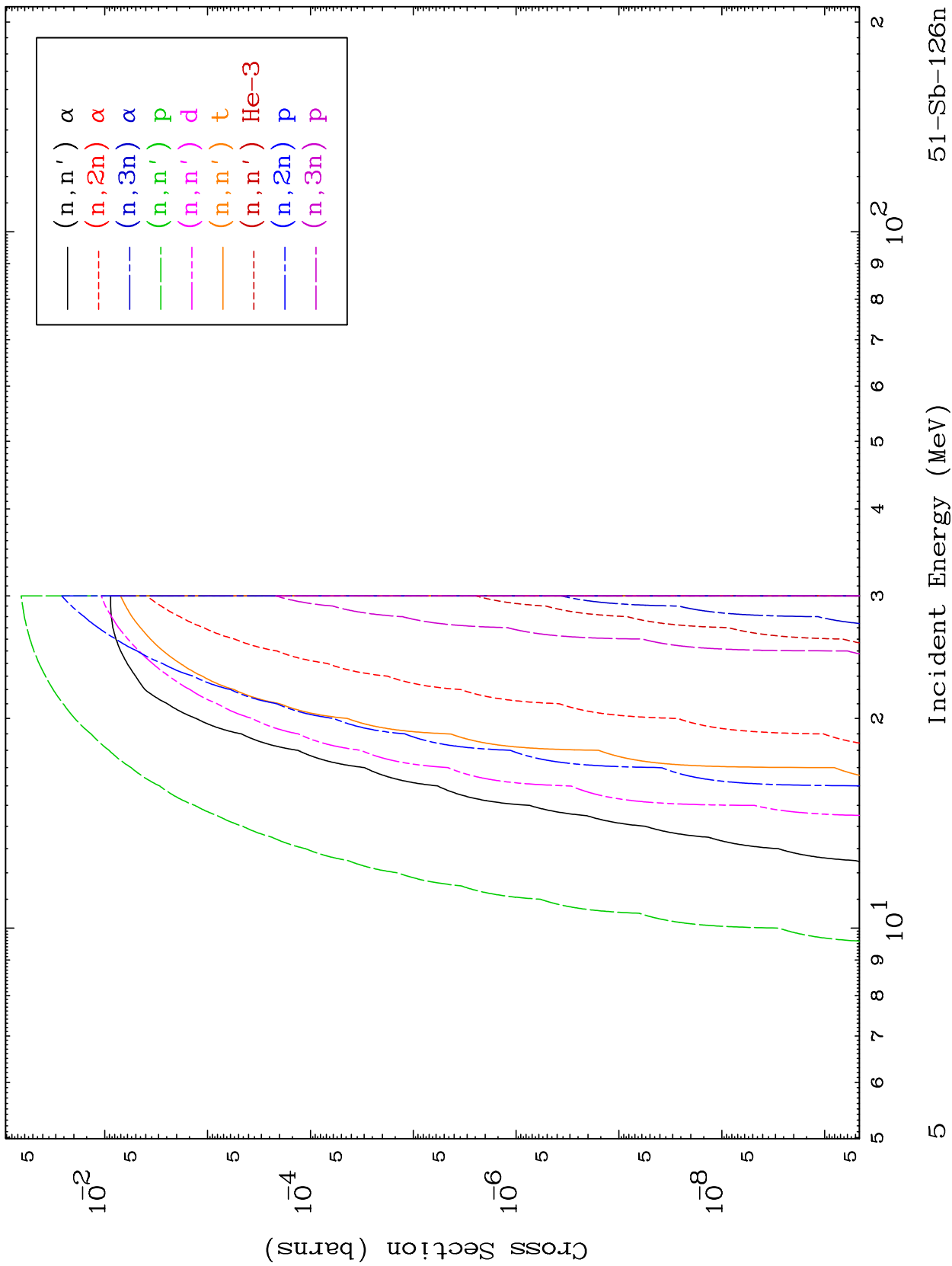
MAT 5142

Neutron Absorption  
293 Kelvin Cross Sections

51-Sb-126n



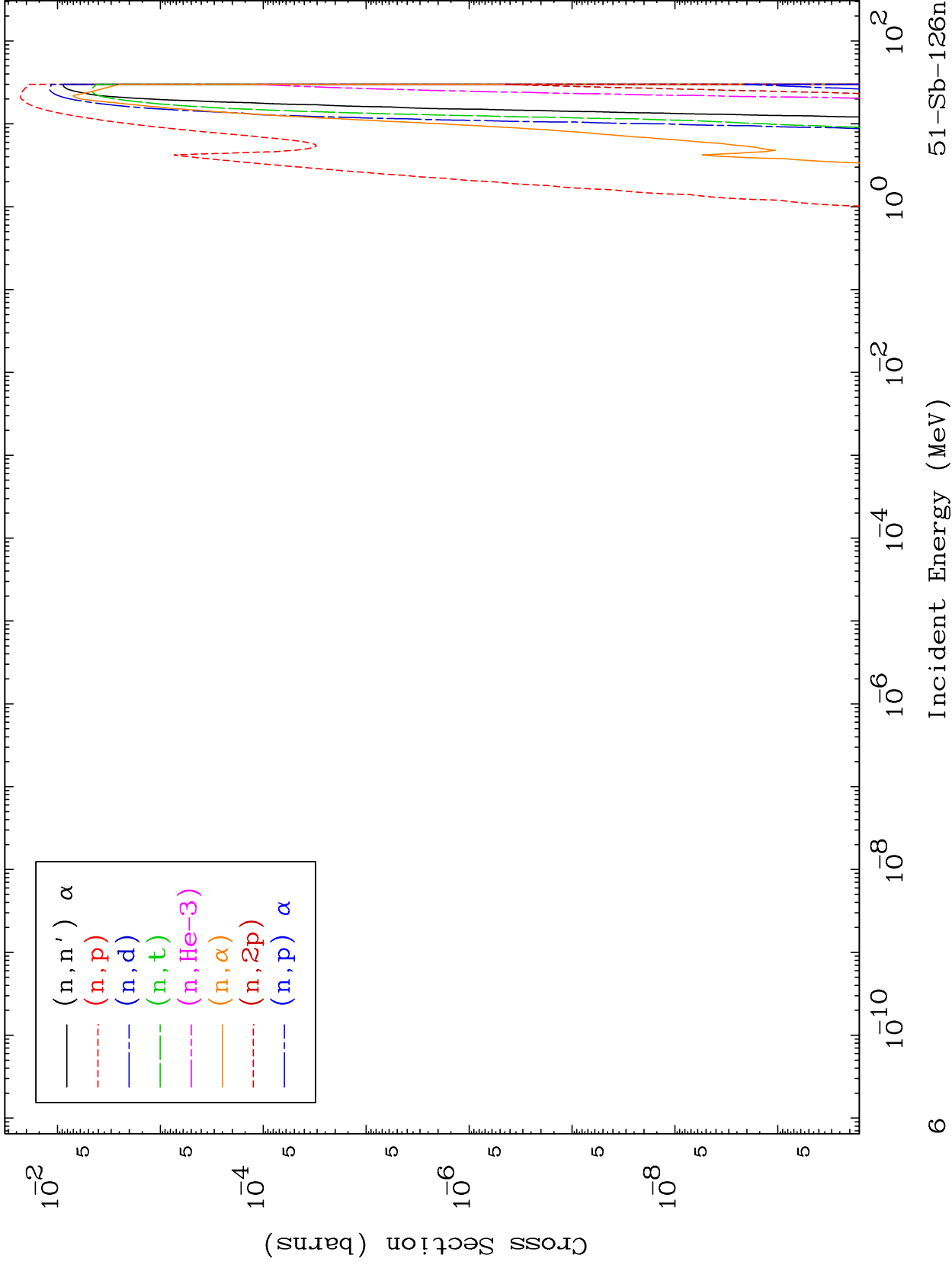


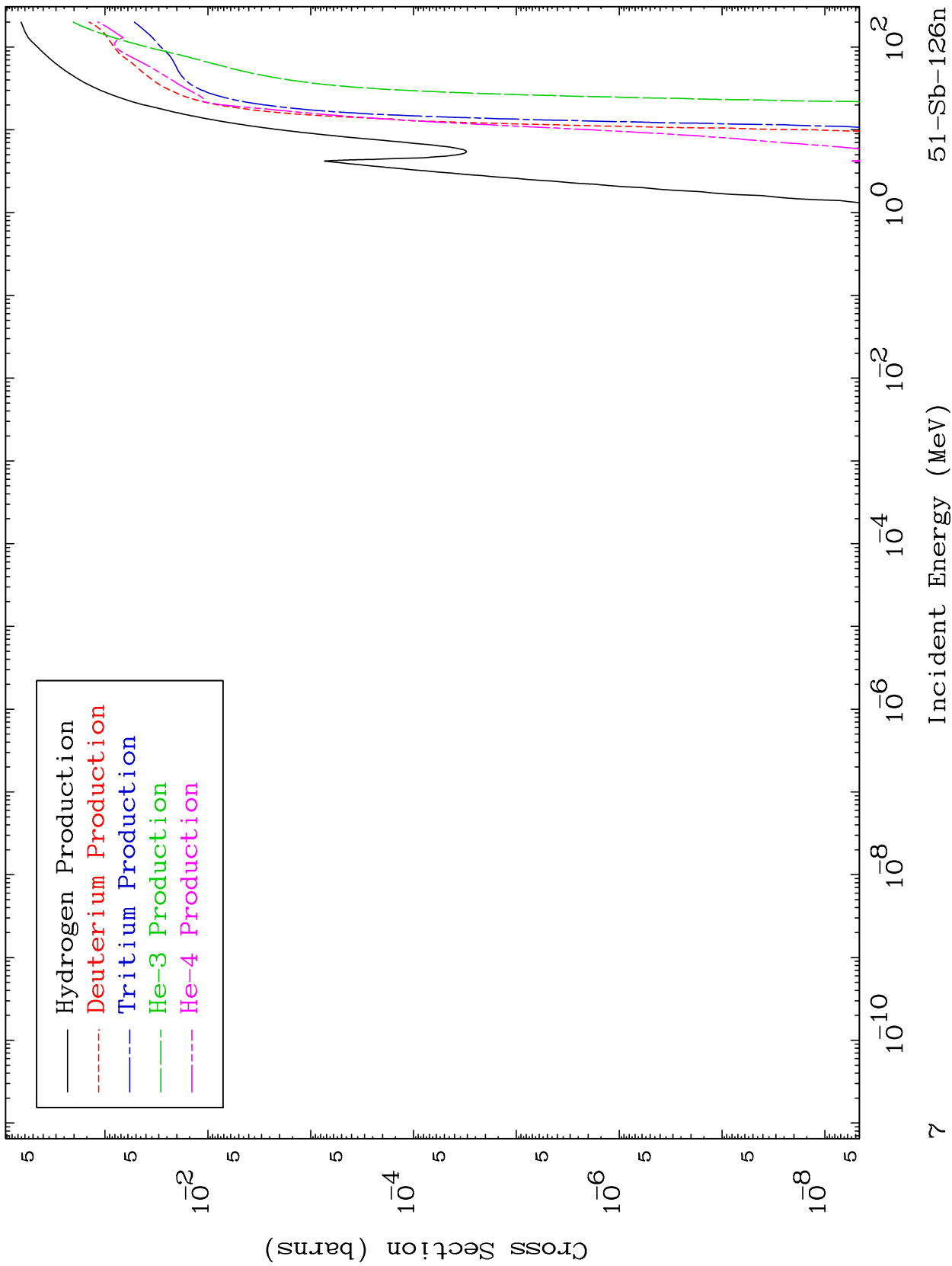


MAT 5142

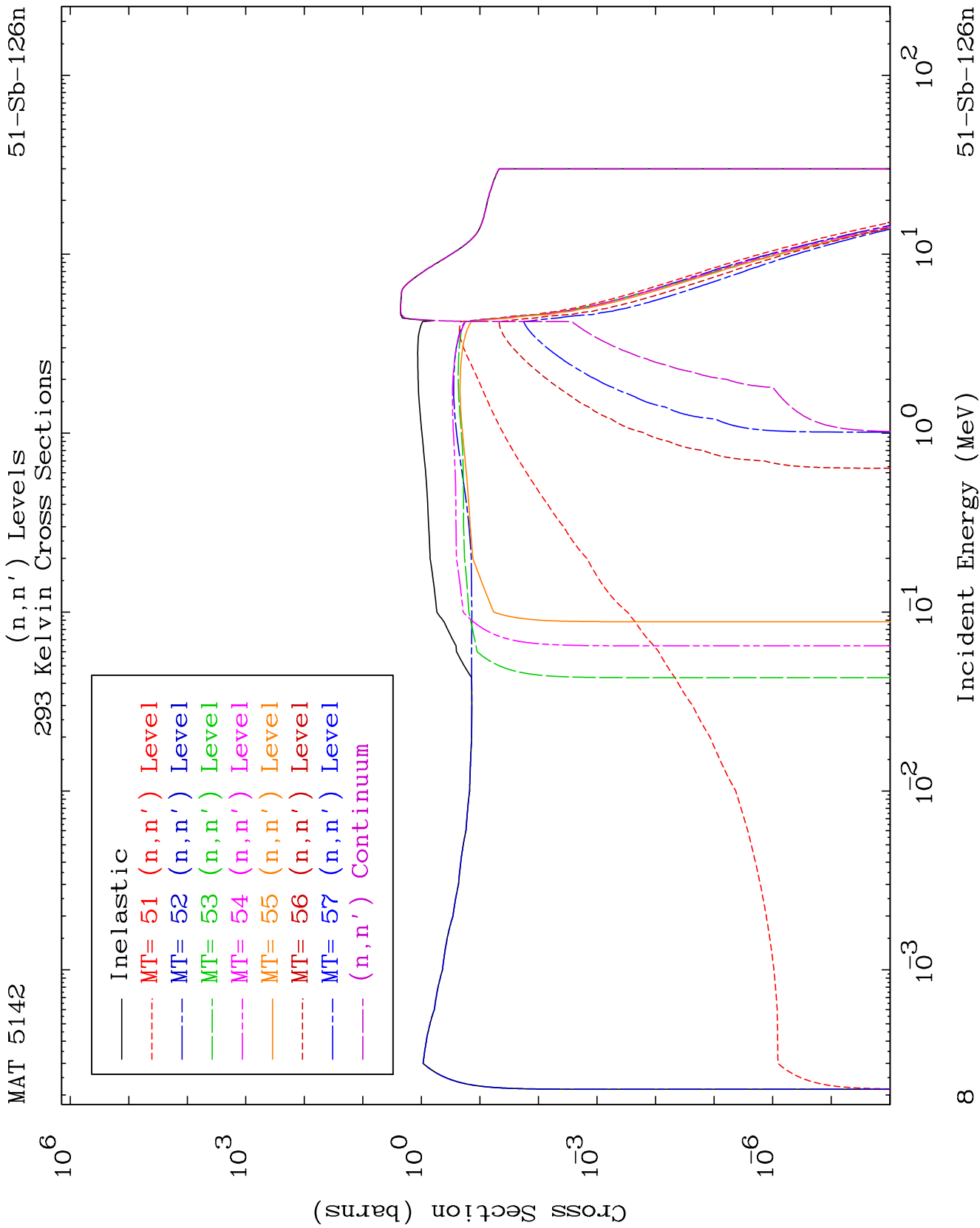
Charged Particle  
293 Kelvin Cross Sections

51-Sb-126n





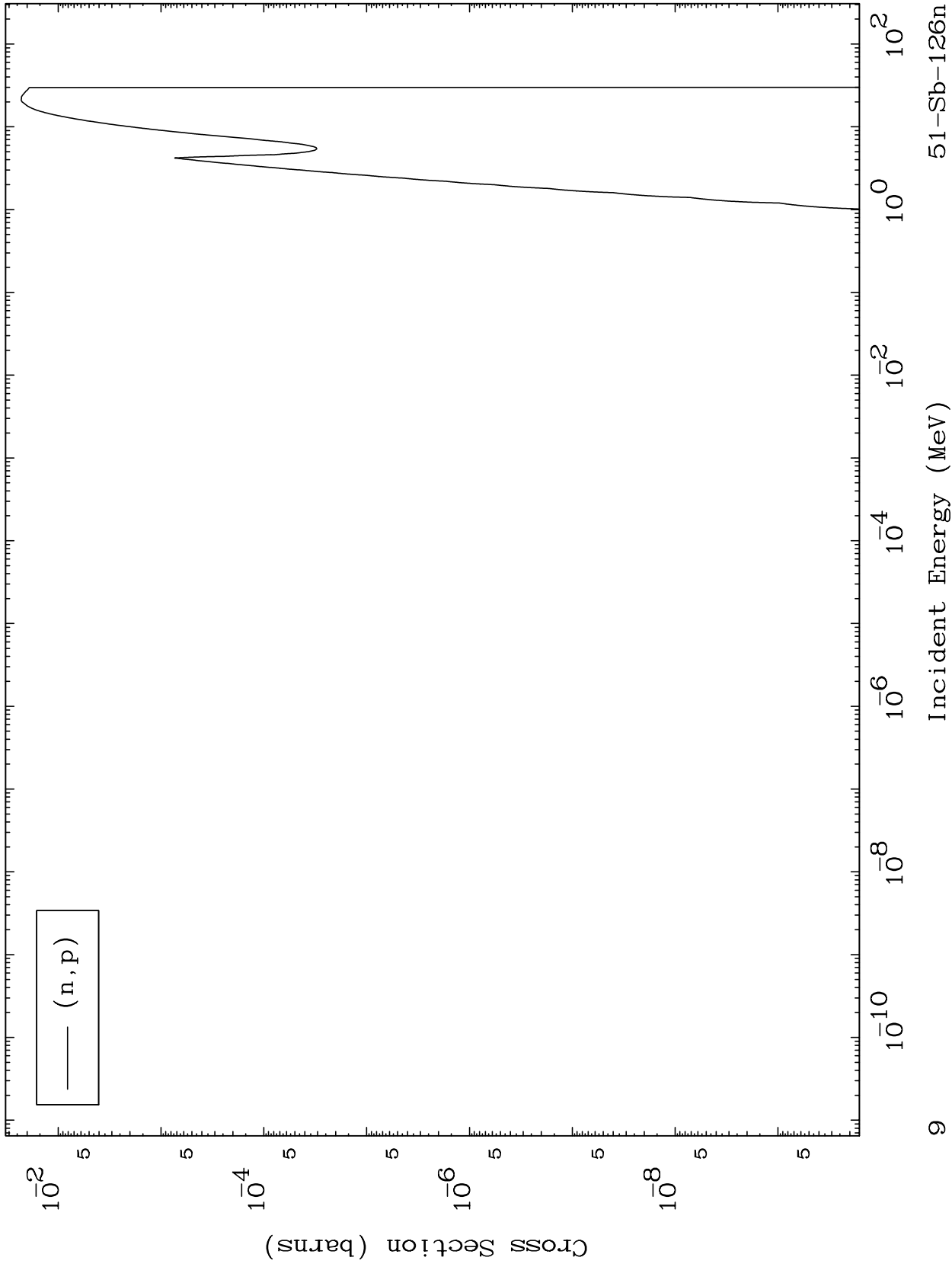




MAT 5142

(n,p) Levels  
293 Kelvin Cross Sections

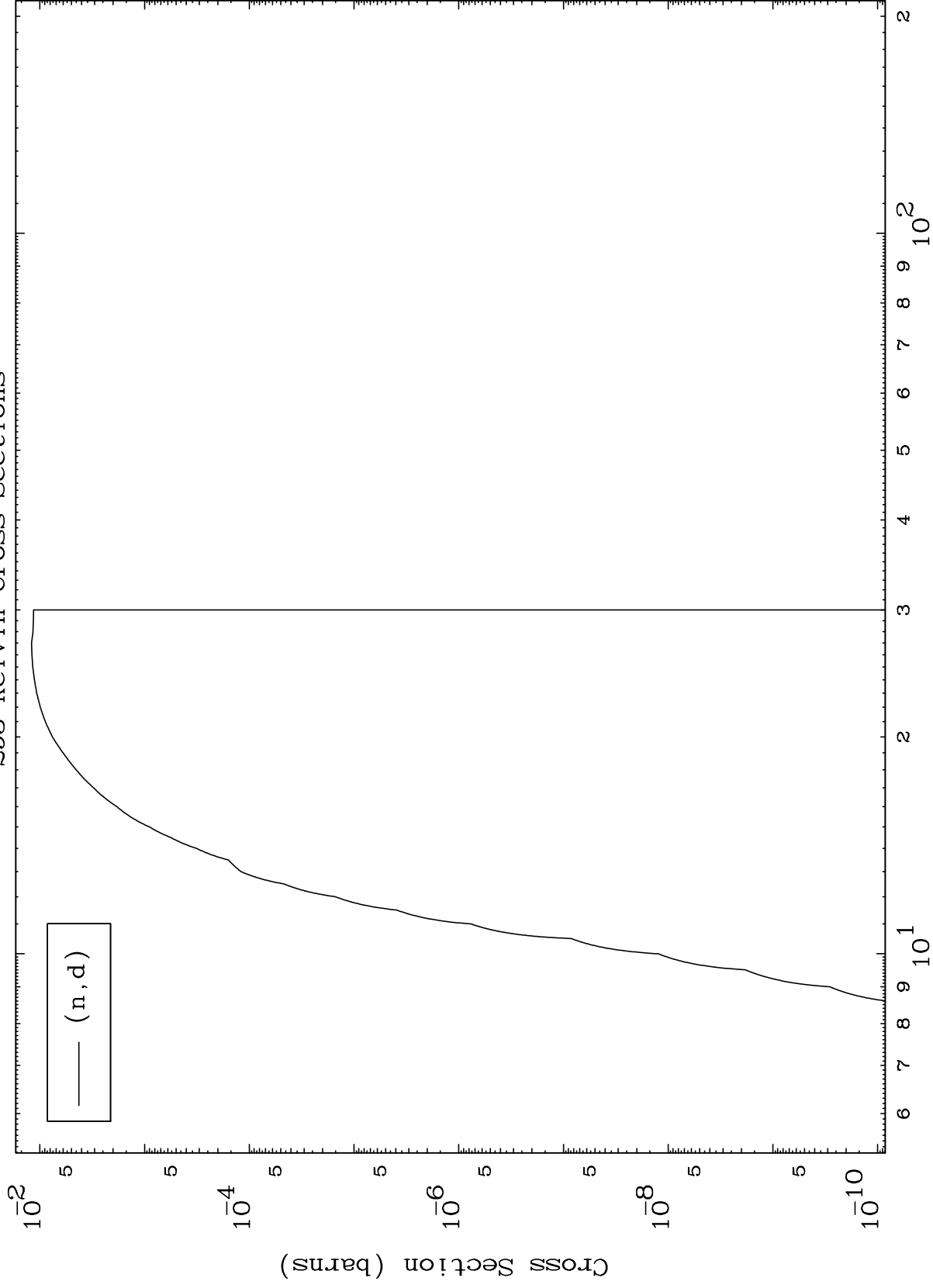
51-Sb-126n



MAT 5142

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-126n



10

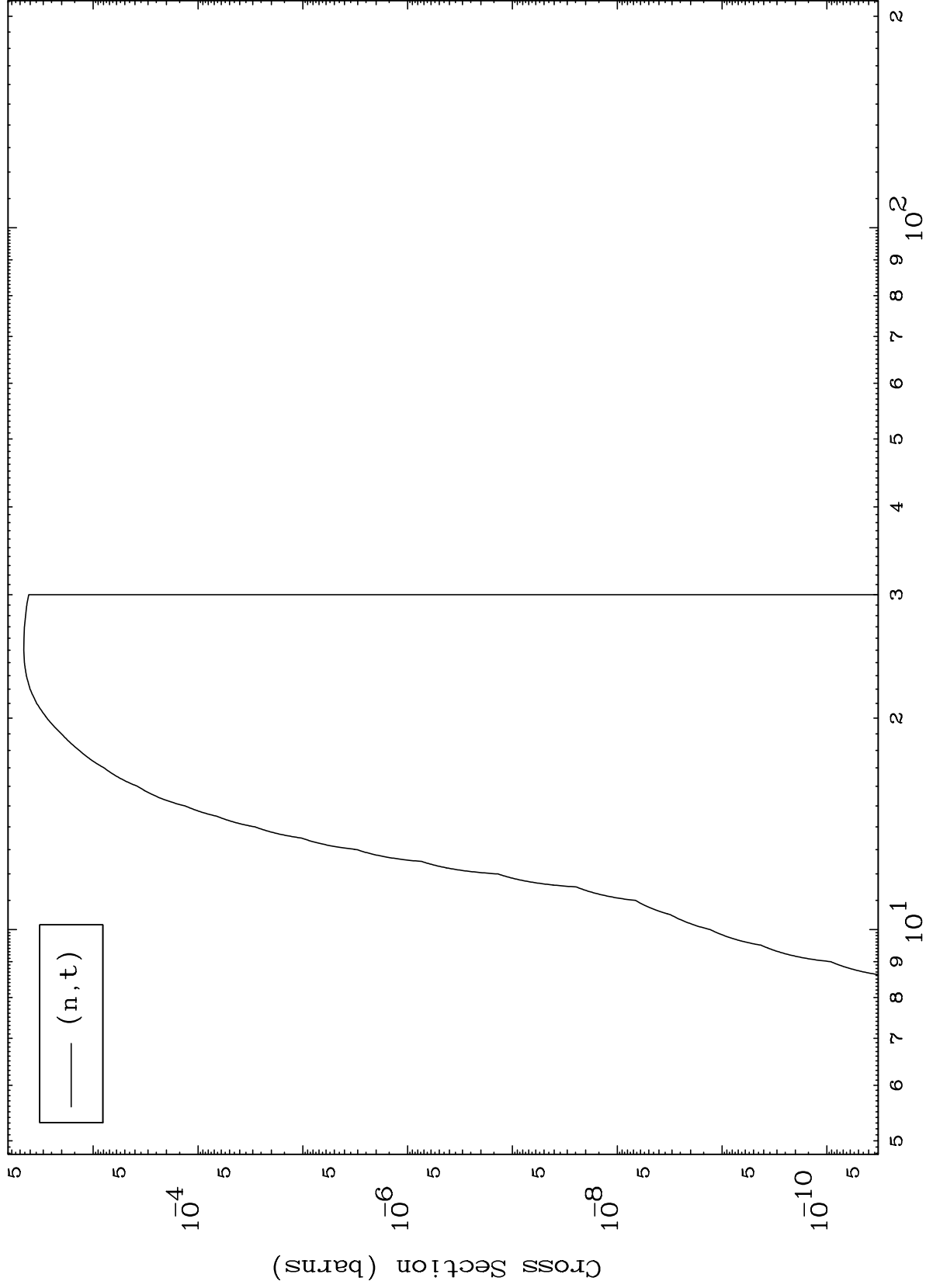
Incident Energy (MeV)

51-Sb-126n

MAT 5142

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-126n



11

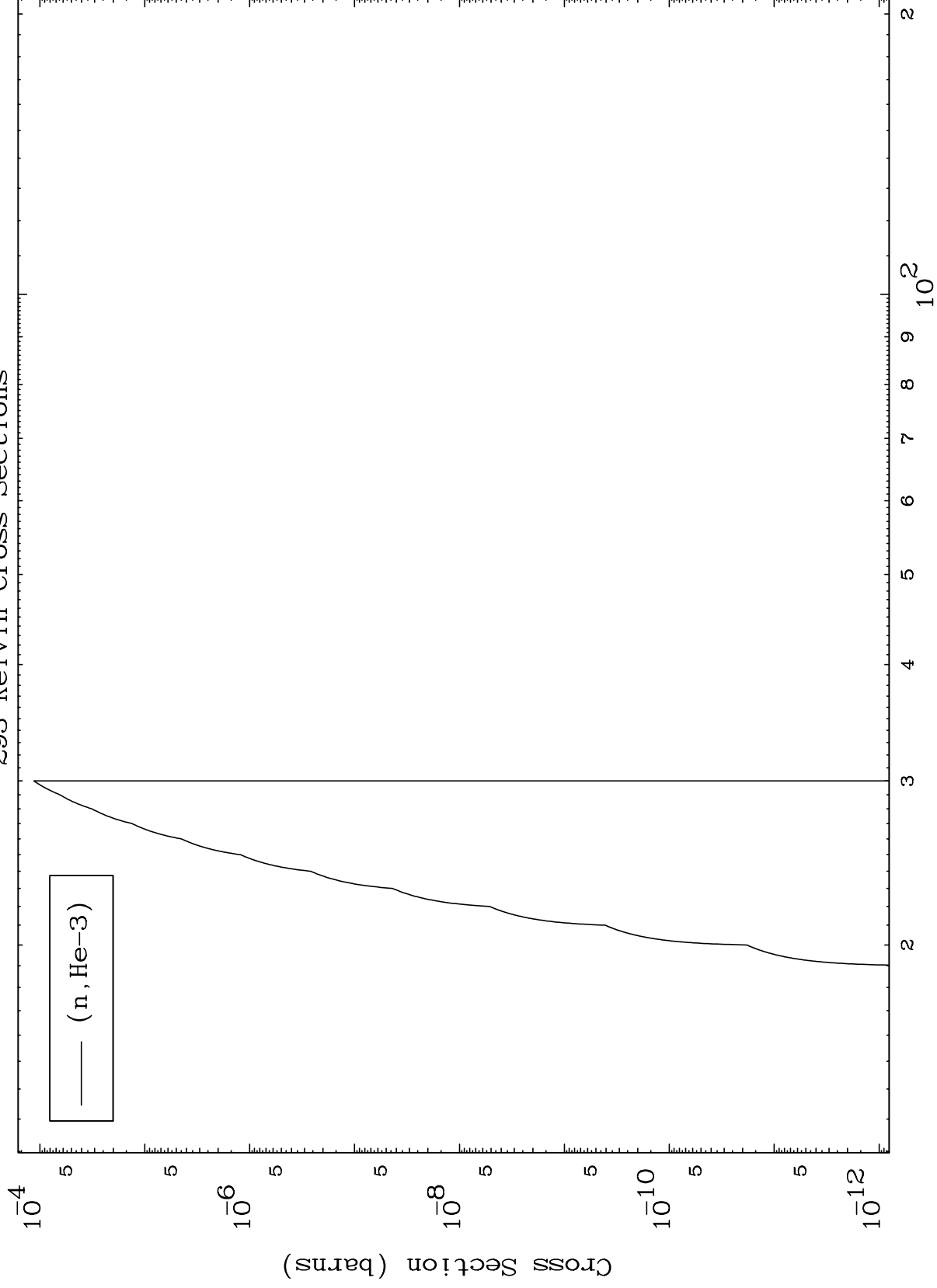
Incident Energy (MeV)

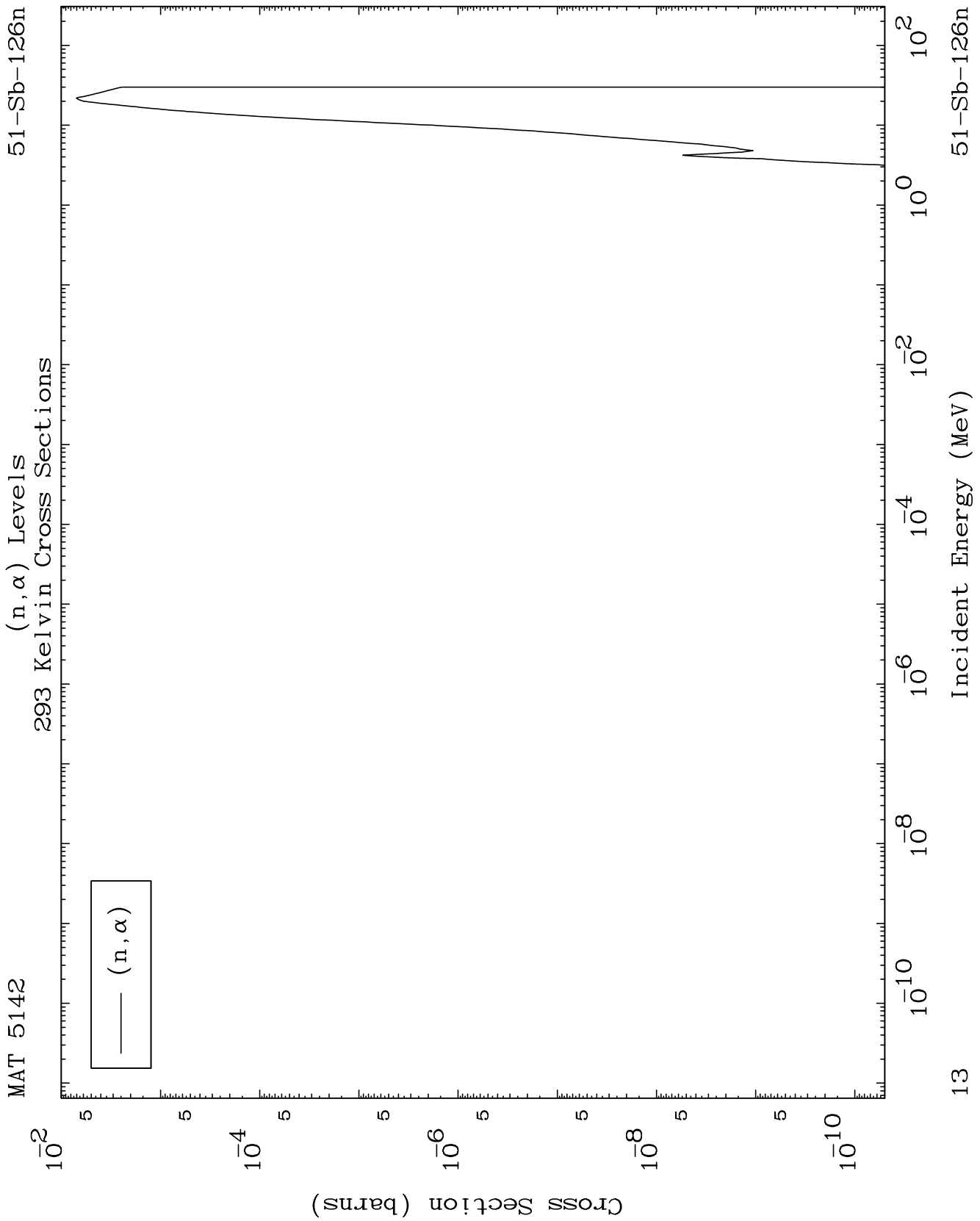
51-Sb-126n

MAT 5142

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-126n

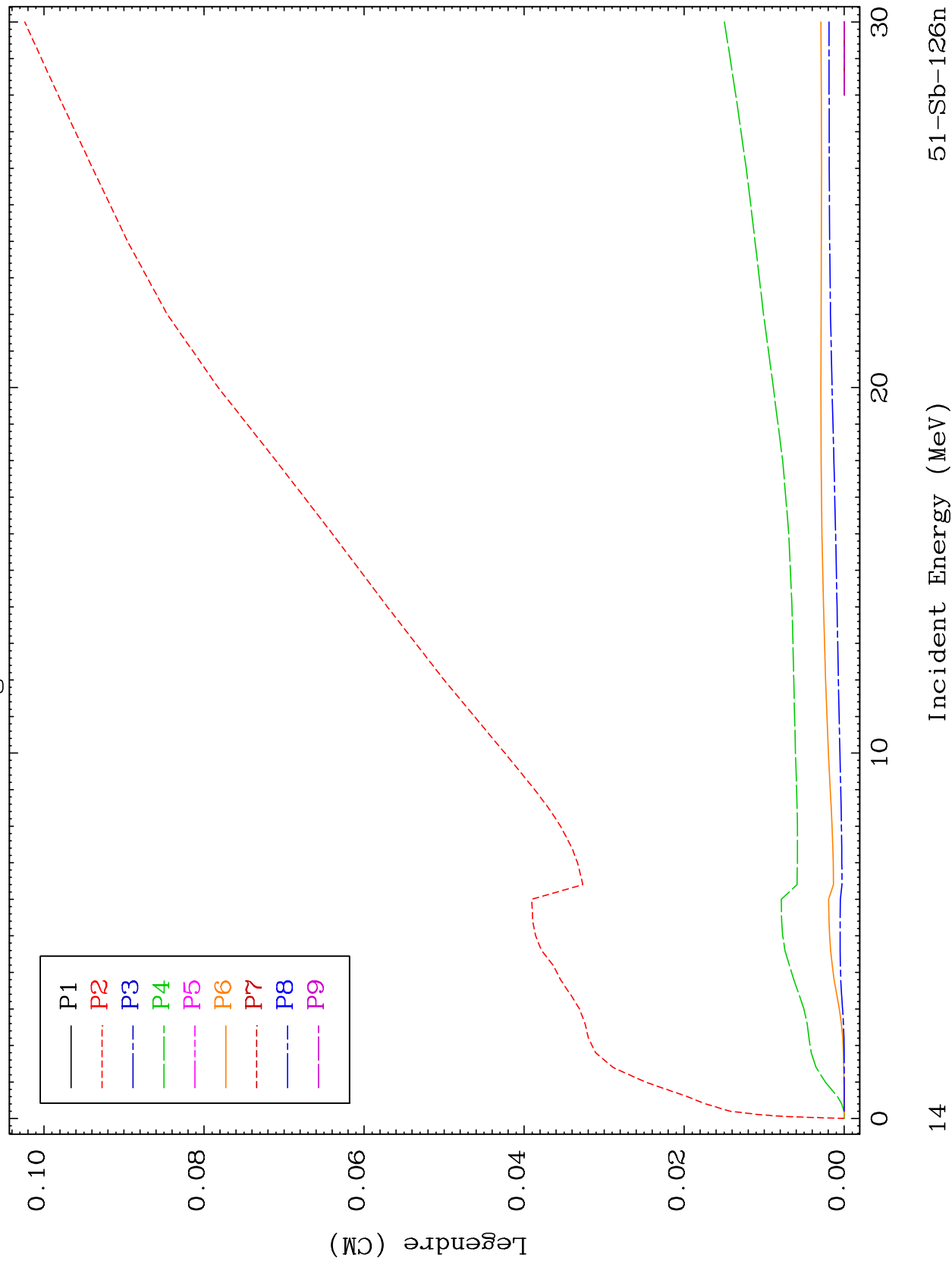




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Elastic Legendre Coefficients

51-Sb-126n



14

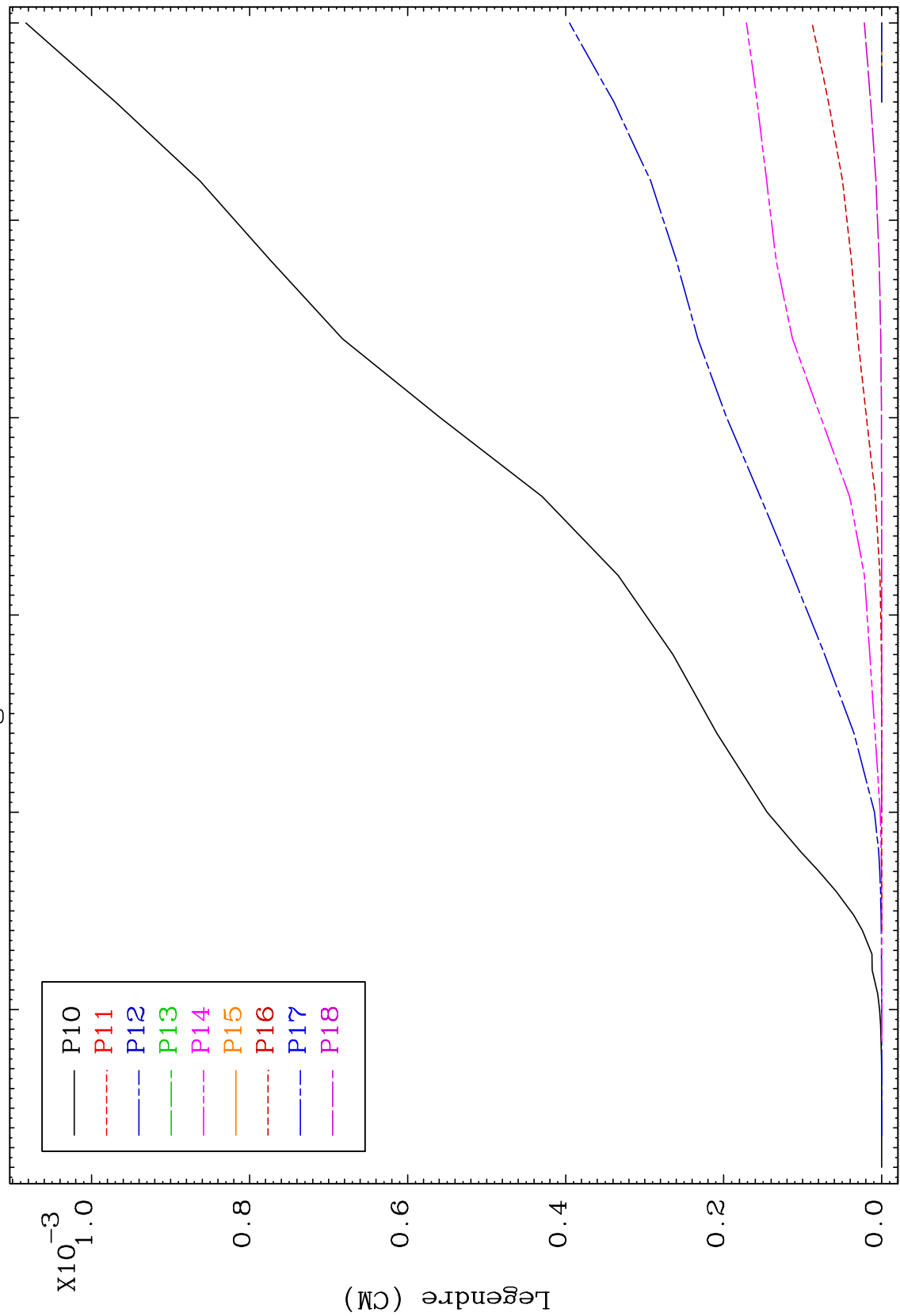
Incident Energy (MeV)

51-Sb-126n

MAT 5142

Elastic Legendre Coefficients

51-Sb-126n



15

51-Sb-126n

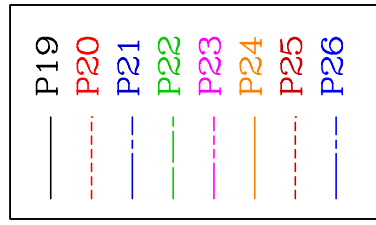
Incident Energy (MeV)



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Elastic Legendre Coefficients

51-Sb-126n



$\times 10^{-6}$

Legendre (CM)

1.0

0.8

0.6

0.4

0.2

0.0

15

20

25

30

16

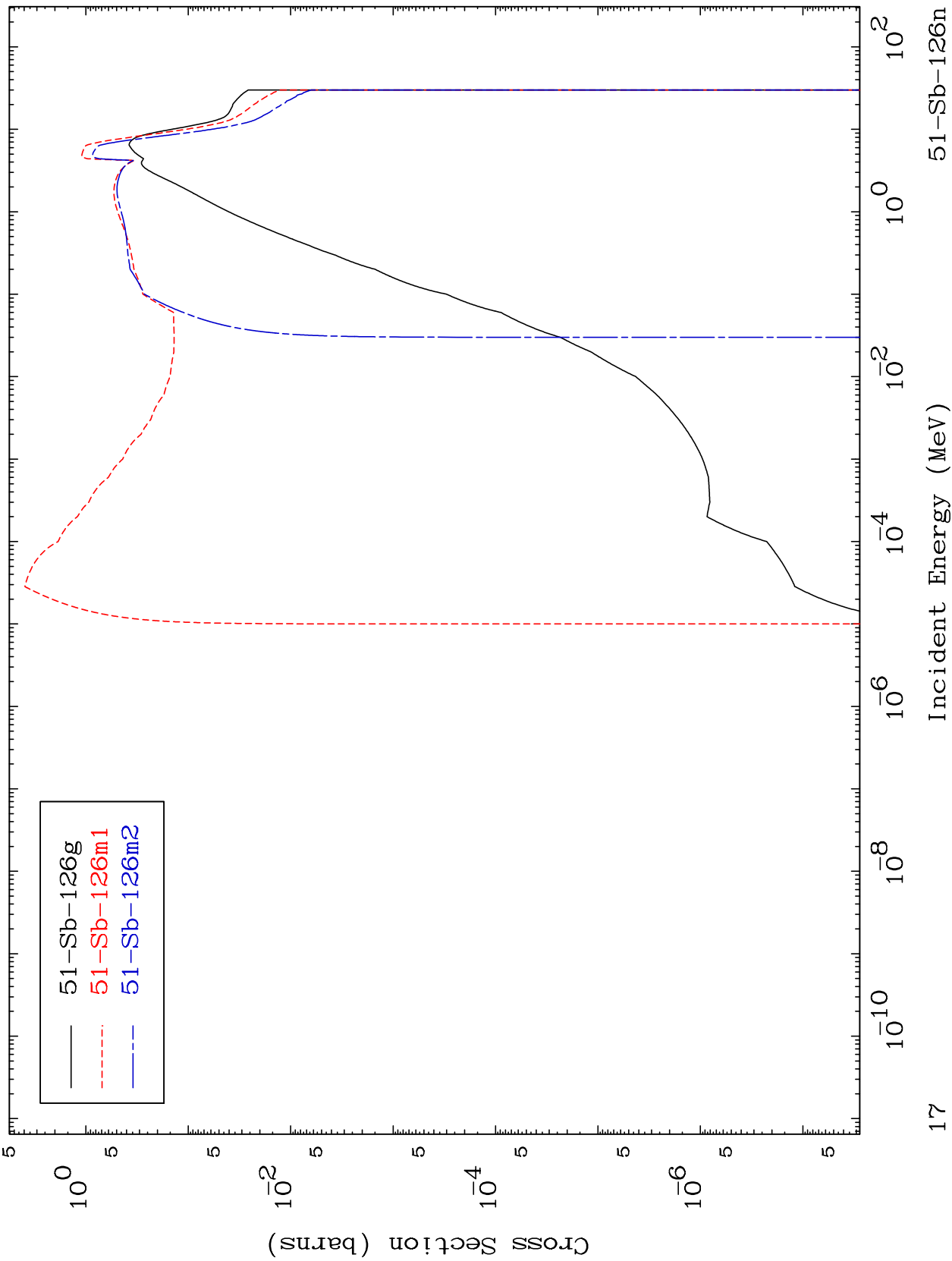
Incident Energy (MeV)

51-Sb-126n

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51-Sb-126n

Inelastic  
Radionuclide Production Cross Section

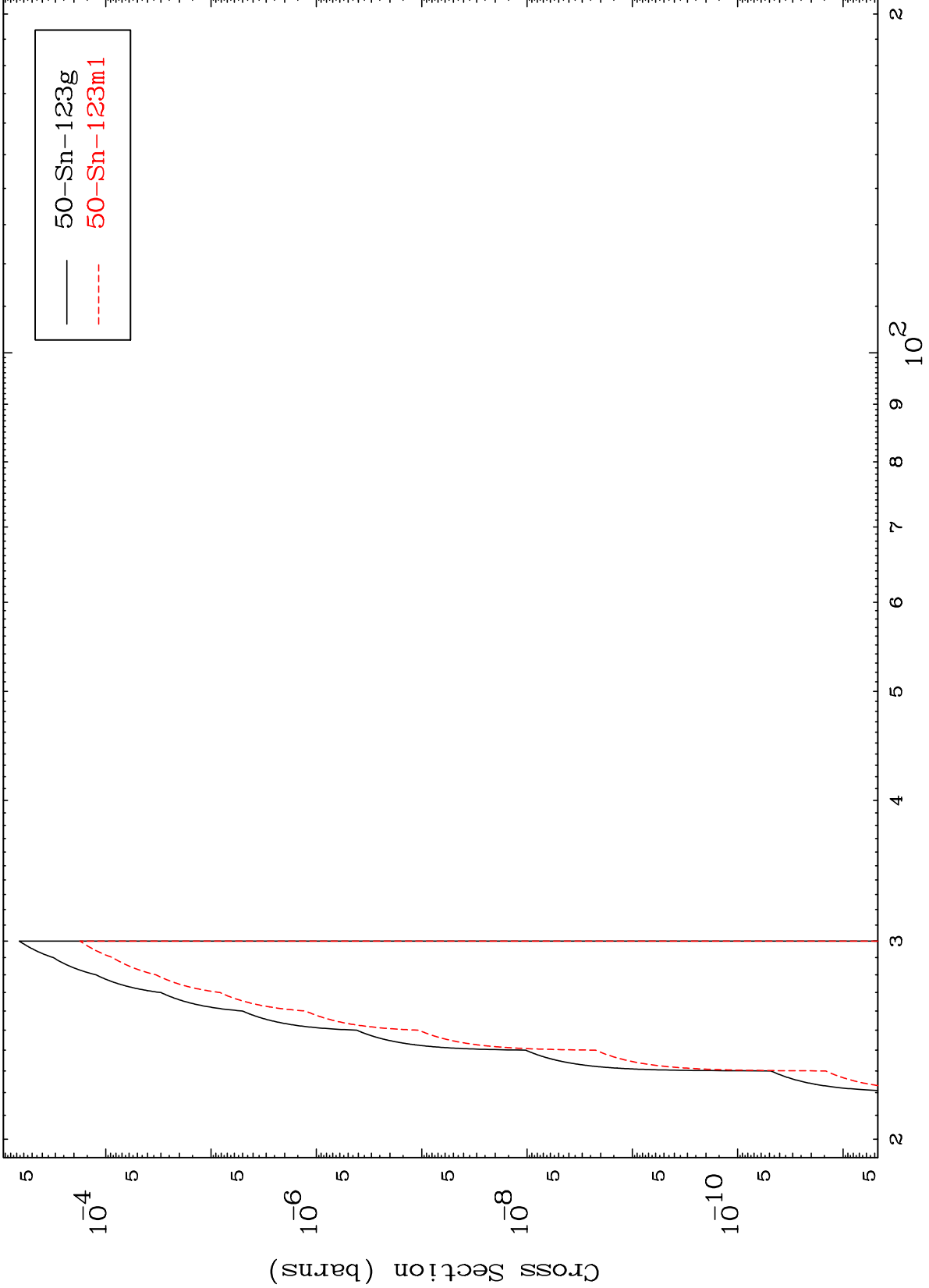


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(n,2n) d

51-Sb-126n

Radionuclide Production Cross Section



18

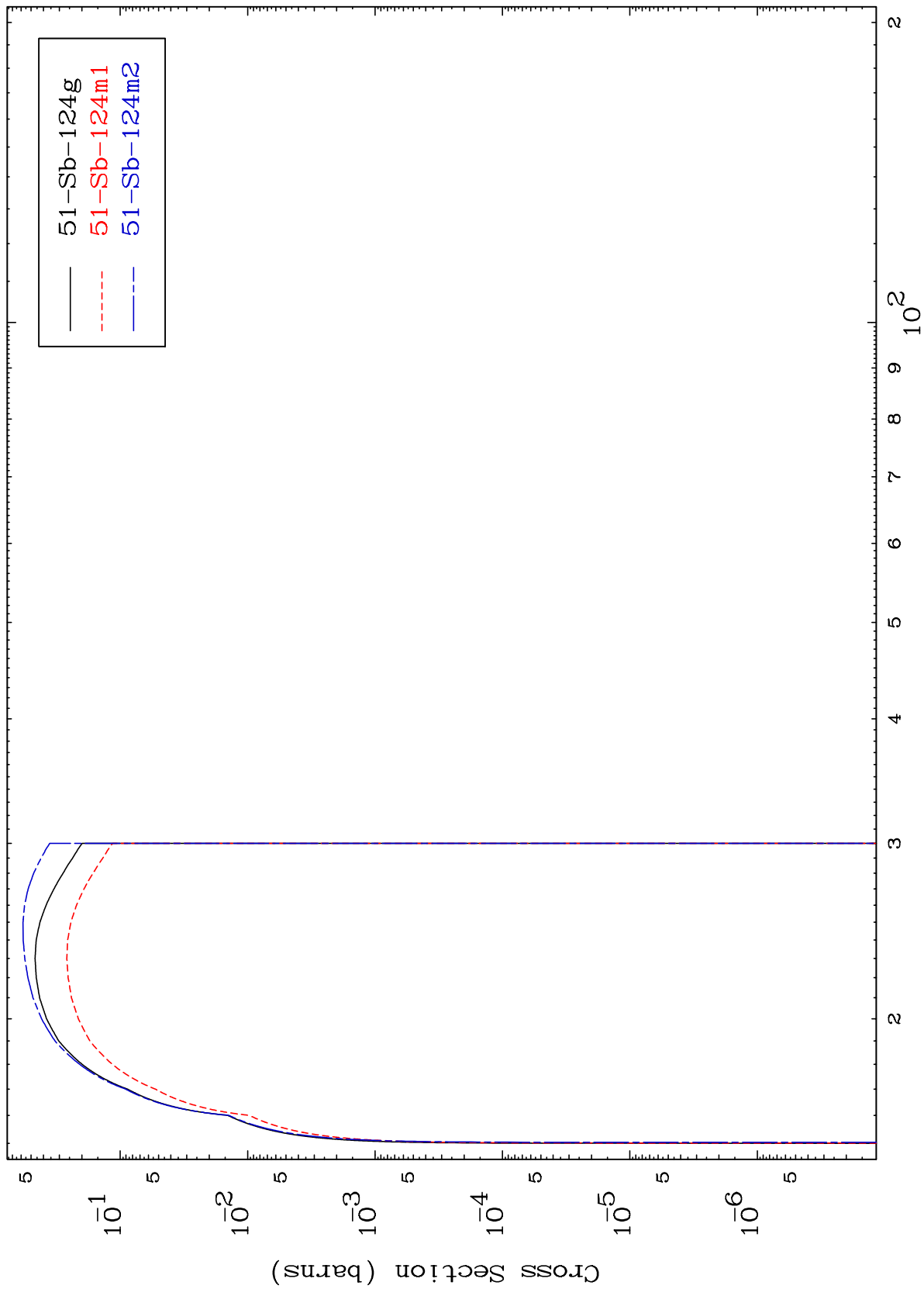
Incident Energy (MeV)

51-Sb-126n

MAT 5142

$^{51}\text{Sb-126n}$

$(n, 3n)$   
Radionuclide Production Cross Section

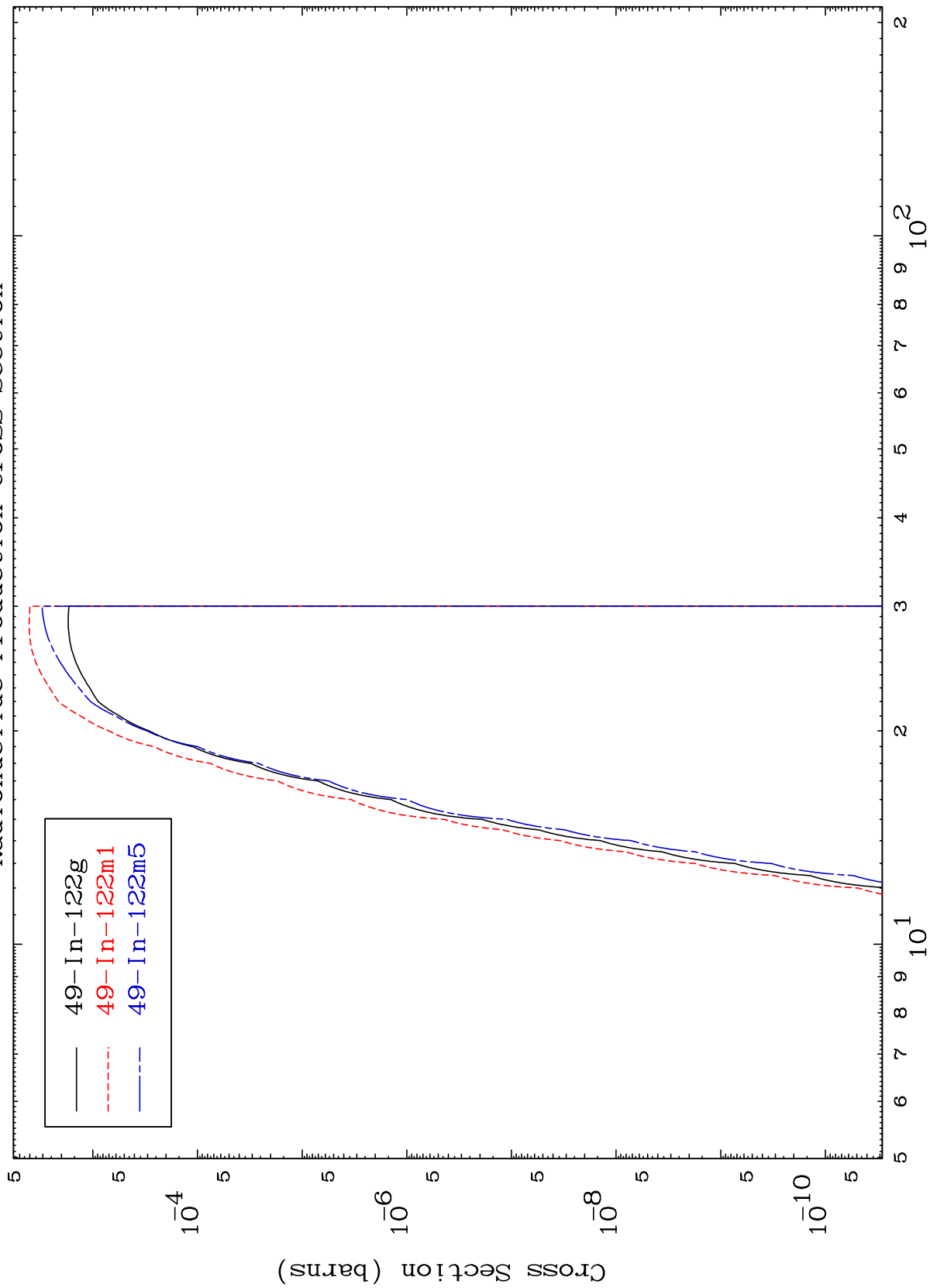


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51-Sb-126n

(n,n')  $\alpha$

Radionuclide Production Cross Section



20

Incident Energy (MeV)

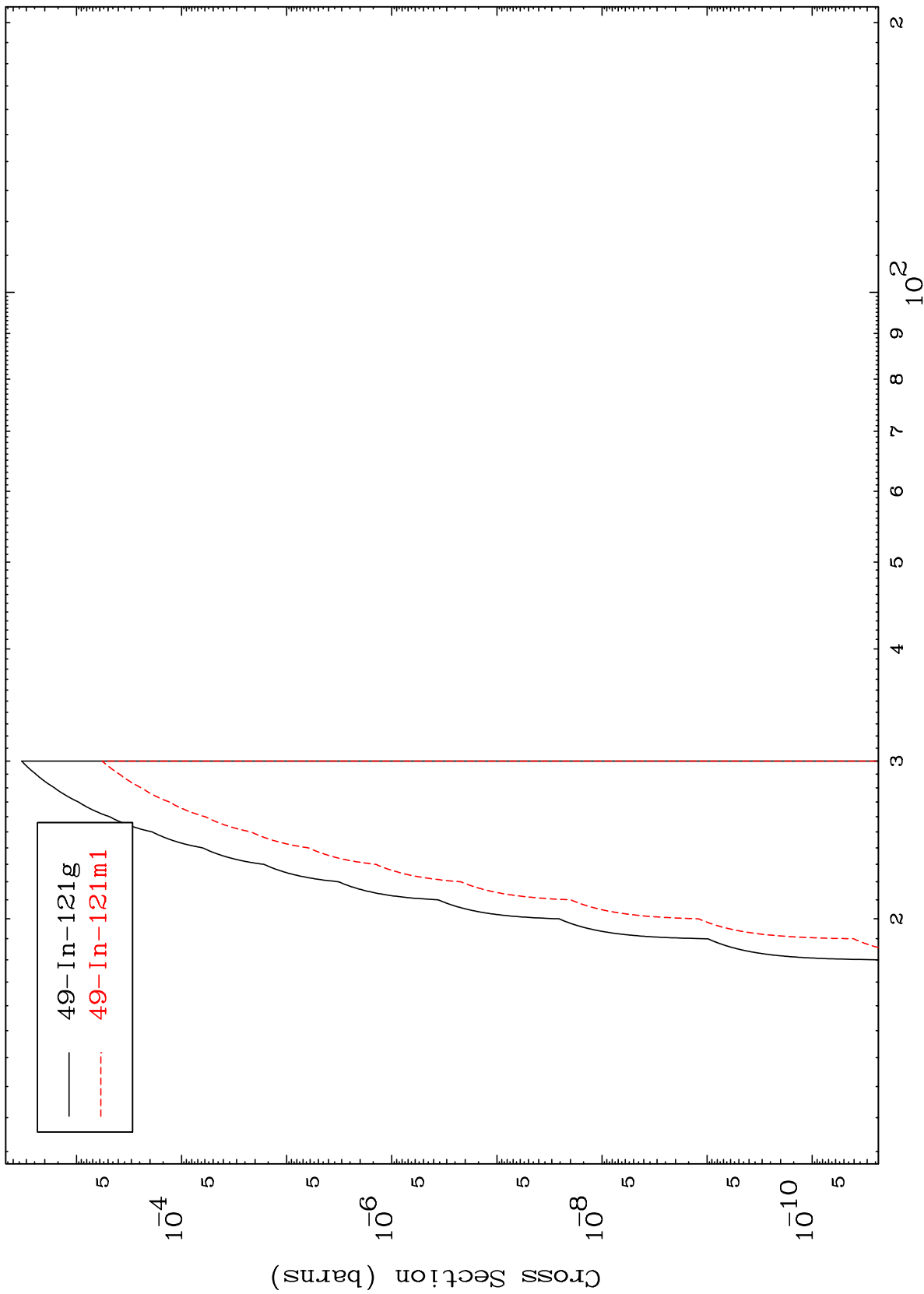
51-Sb-126n

MAT 5142

(n,2n)  $\alpha$

51-Sb-126n

Radionuclide Production Cross Section

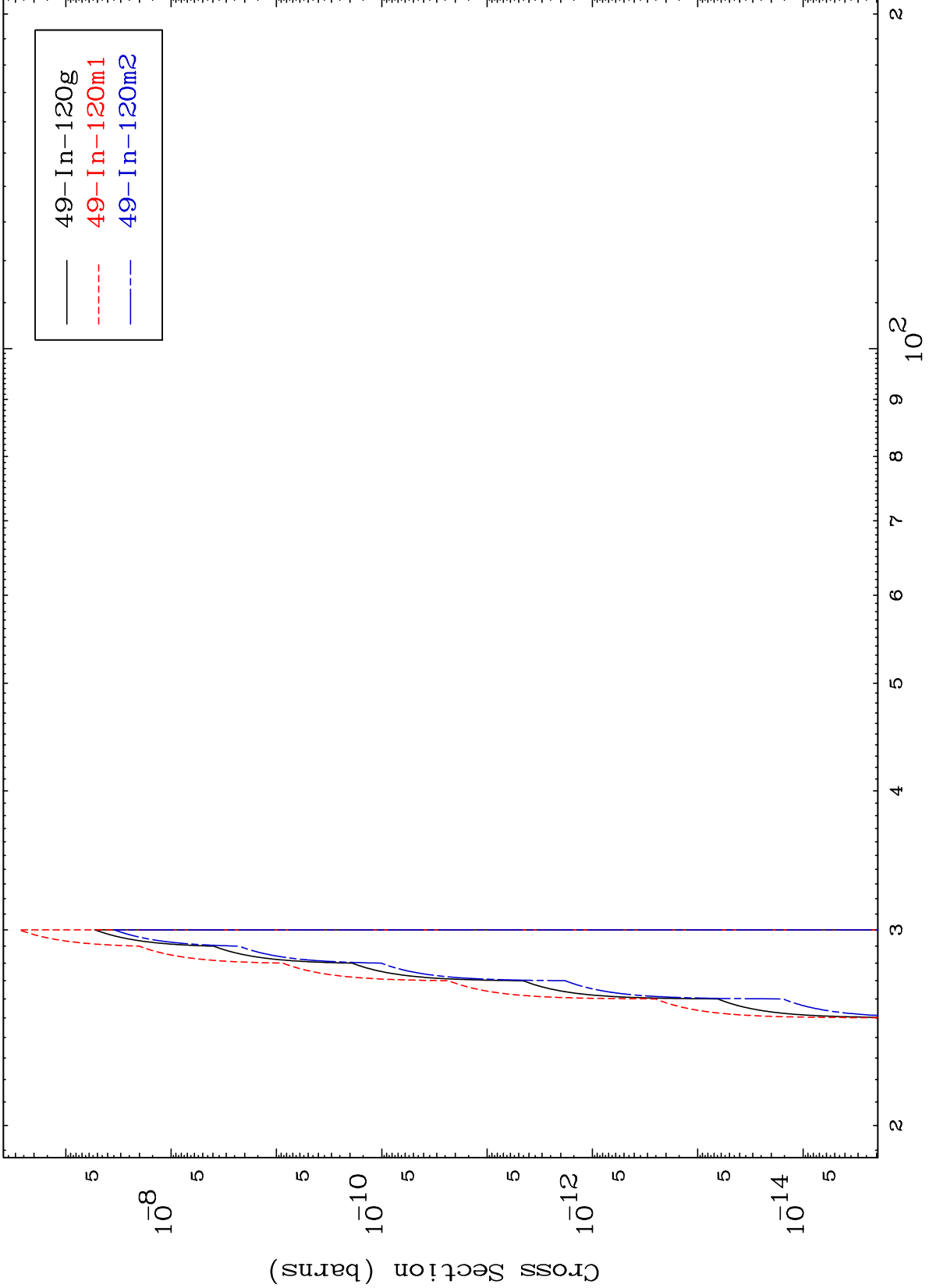


Incident Energy (MeV)

51-Sb-126n

21

Radionuclide Production Cross Section

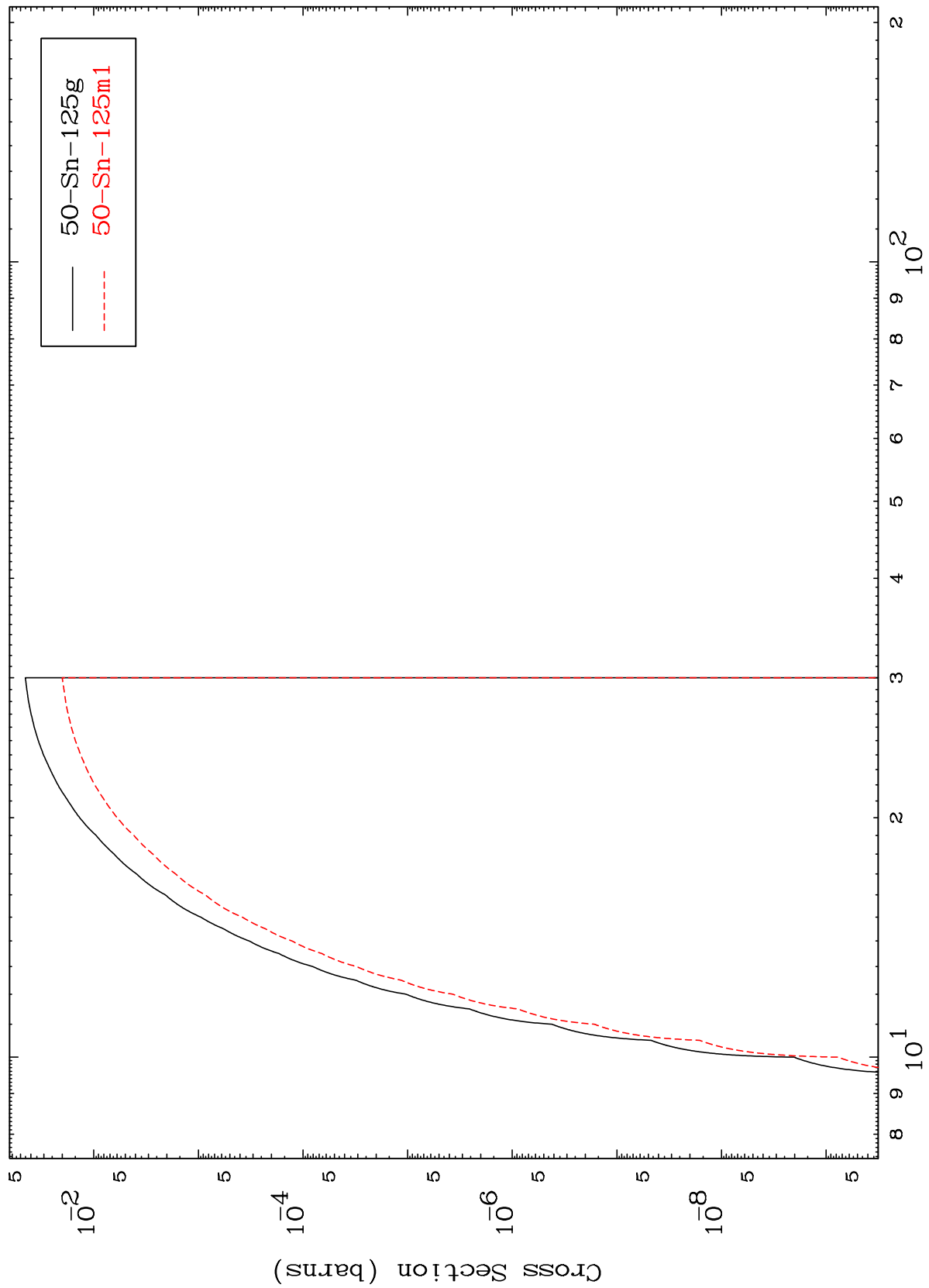


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(n,n') p

51-Sb-126n

Radionuclide Production Cross Section



23

Incident Energy (MeV)

51-Sb-126n

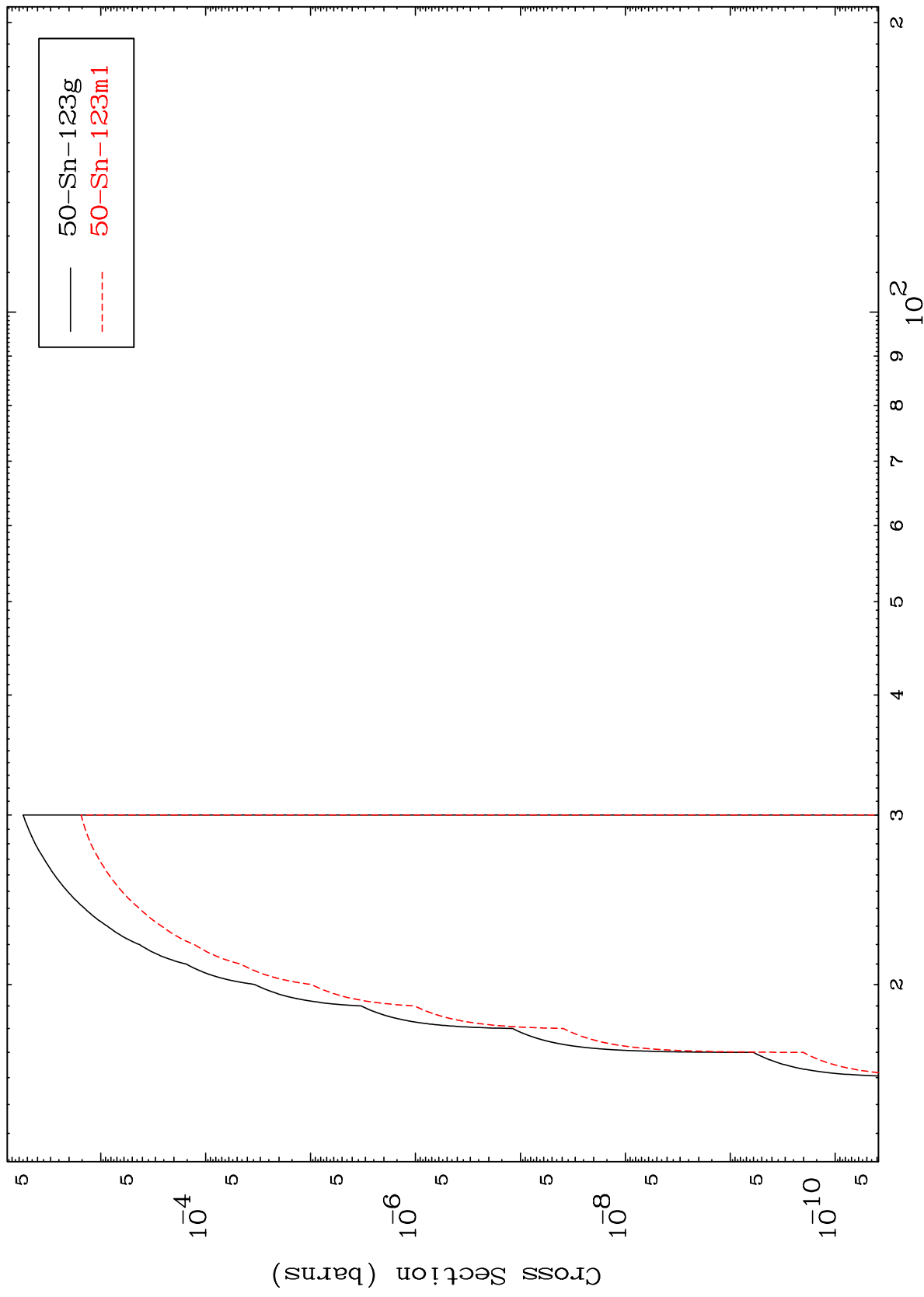


MAT 5142

(n,n') t

51-Sb-126n

Radionuclide Production Cross Section



24

Incident Energy (MeV)

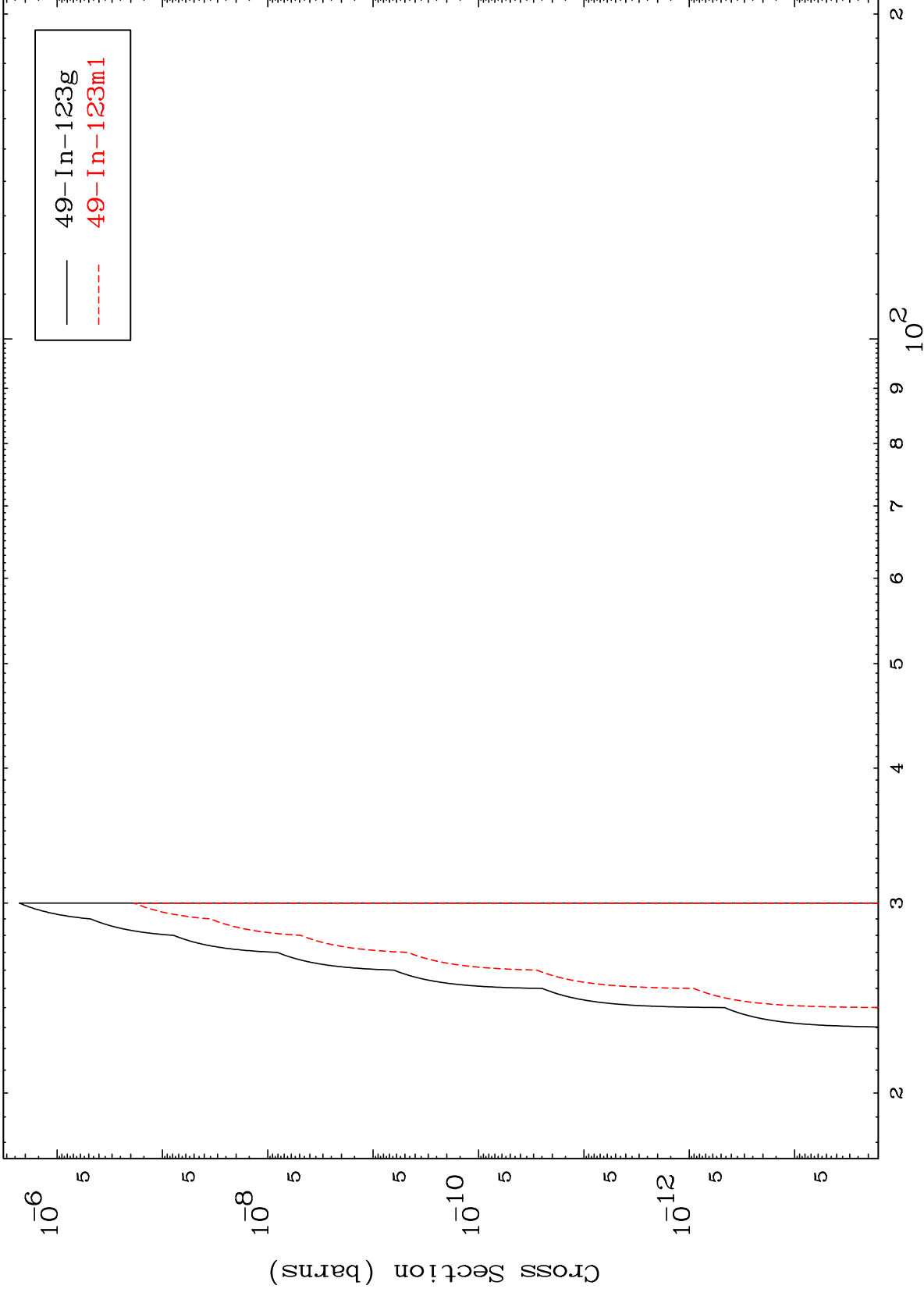
51-Sb-126n

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(n,n') He-3

51-Sb-126n

Radionuclide Production Cross Section



25

Incident Energy (MeV)

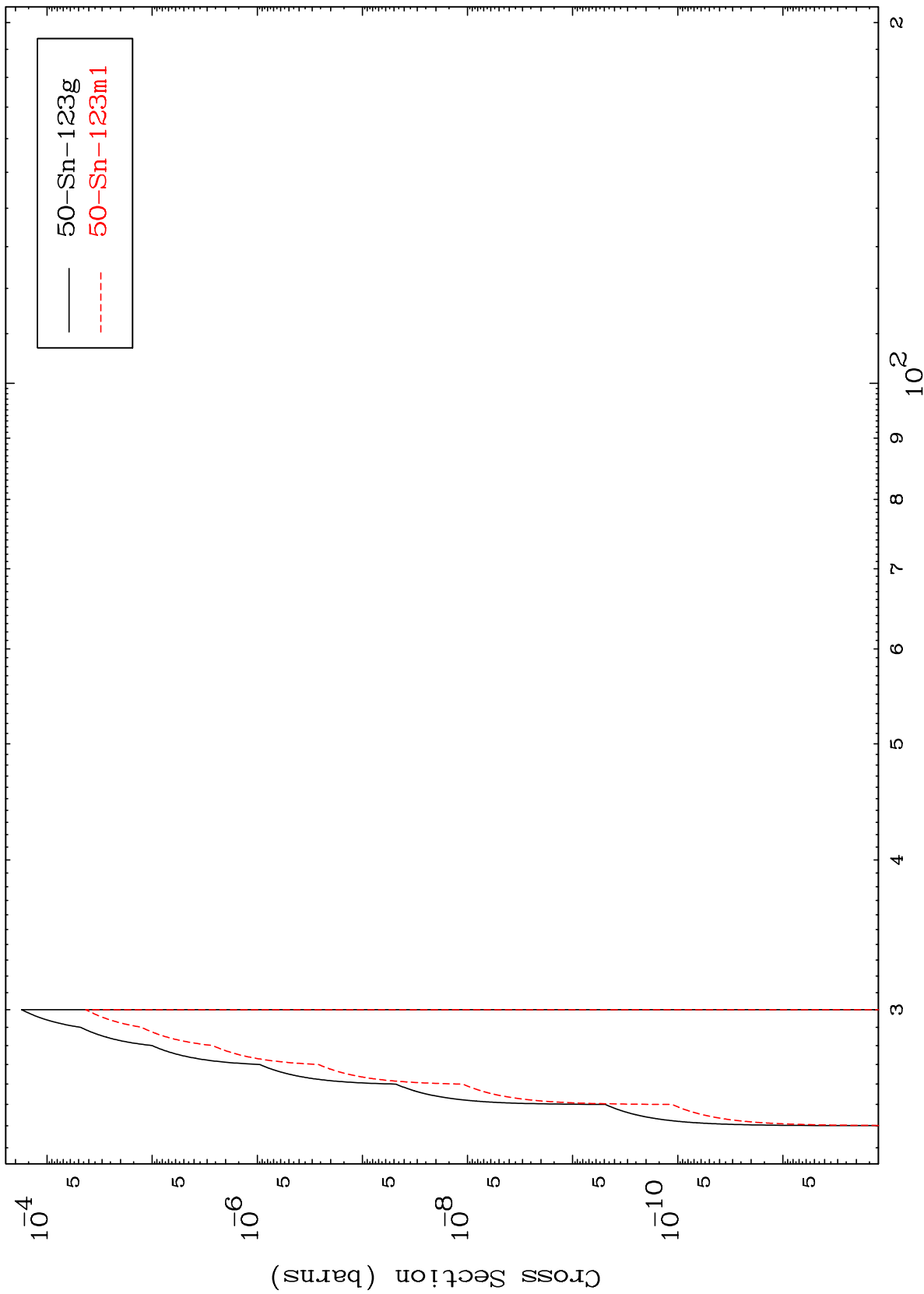
51-Sb-126n

MAT 5142

(n,3n) p

51-Sb-126n

Radionuclide Production Cross Section



26

Incident Energy (MeV)

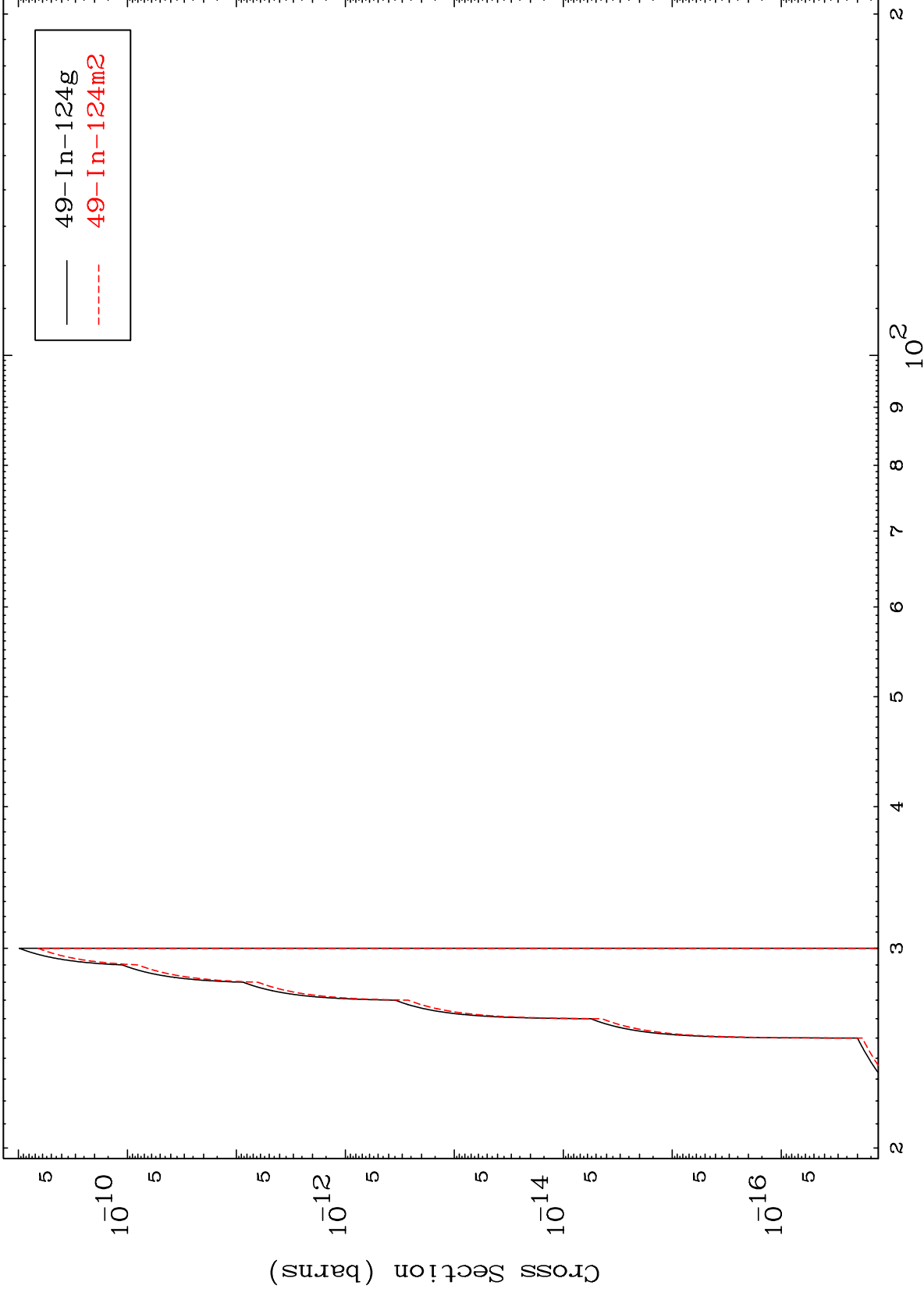
51-Sb-126n

MAT 5142

(n,2n) p

51-Sb-126n

Radionuclide Production Cross Section



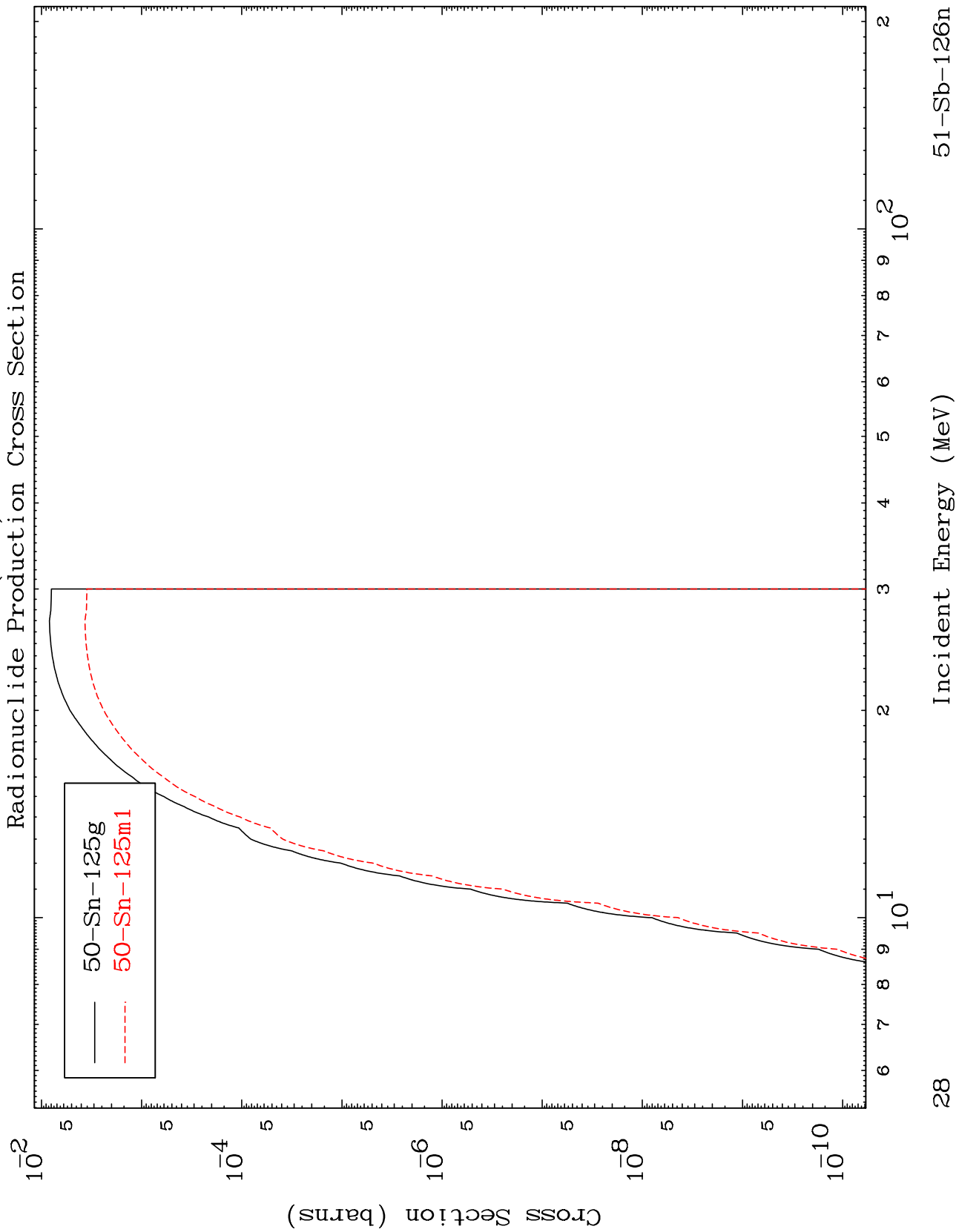
27

Incident Energy (MeV)

51-Sb-126n

MAT 5142

51-Sb-126n

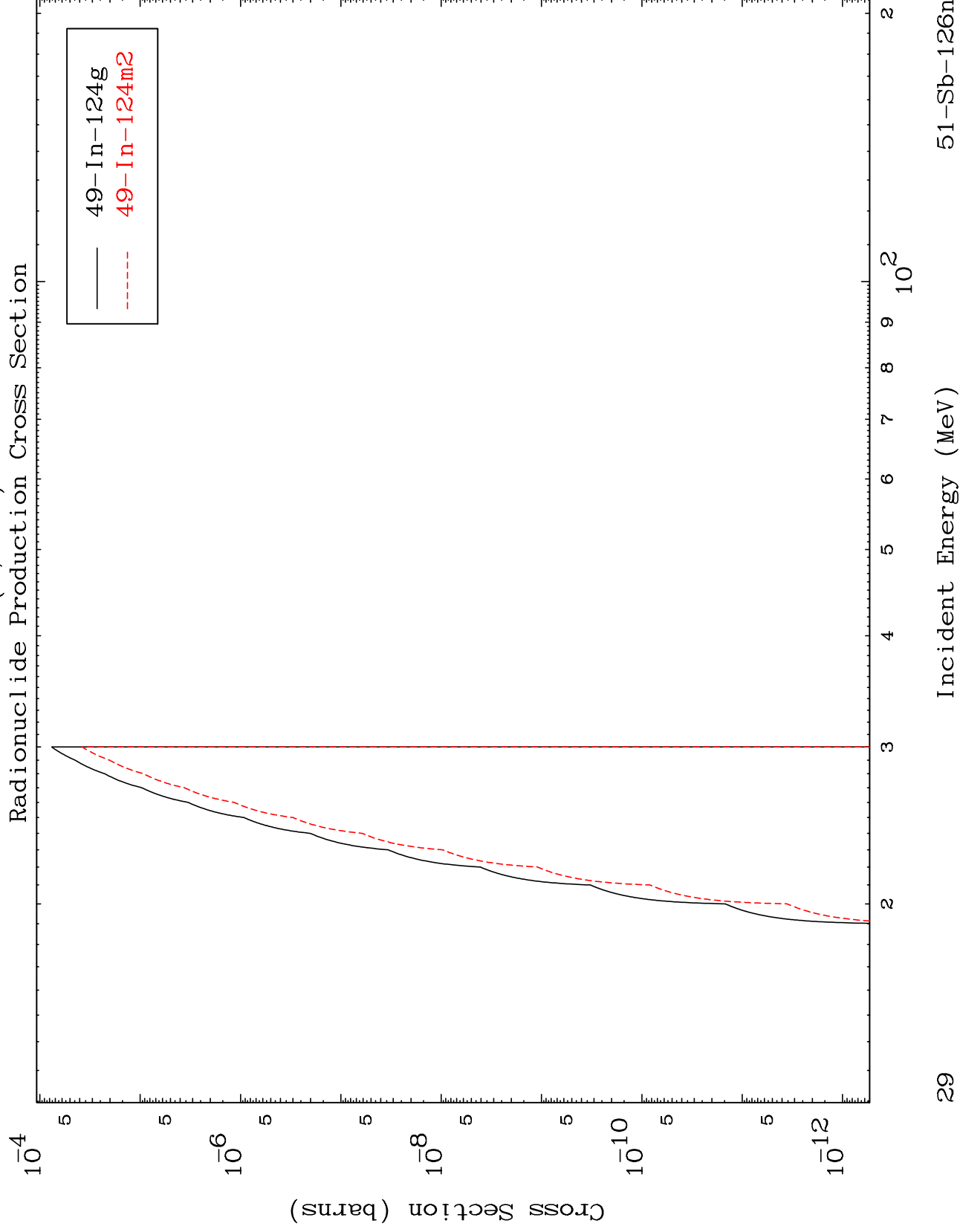


— 50-Sn-125g  
- - - 50-Sn-125m1

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(n,He-3)

51-Sb-126n



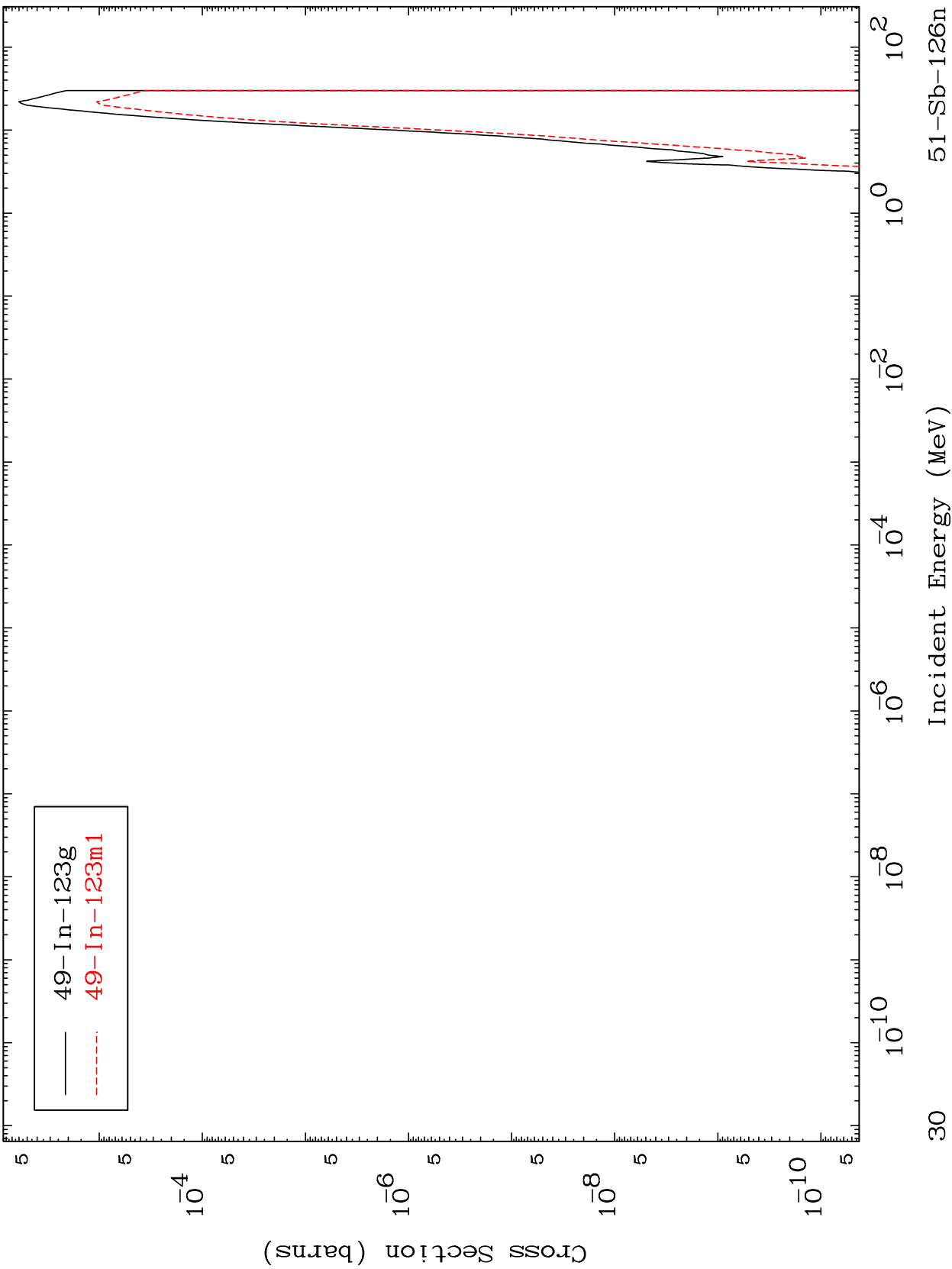
29

51-Sb-126n

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

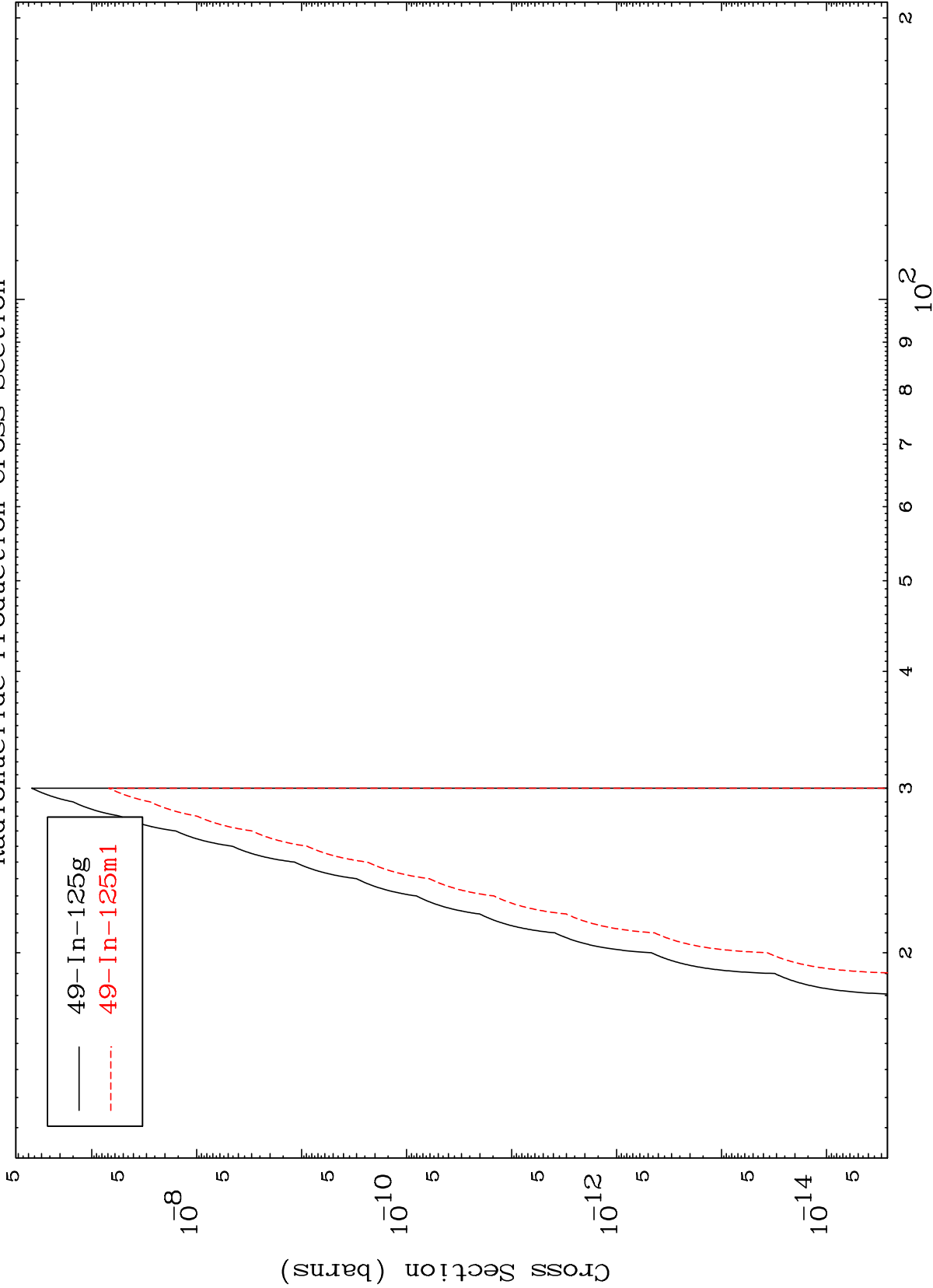
$^{51}\text{Sb}-126\text{n}$



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51-Sb-126n

(n,2p)  
Radionuclide Production Cross Section



51-Sb-126n

Incident Energy (MeV)

31