

Program EVALPLOT  
(Version 2021-1)

by

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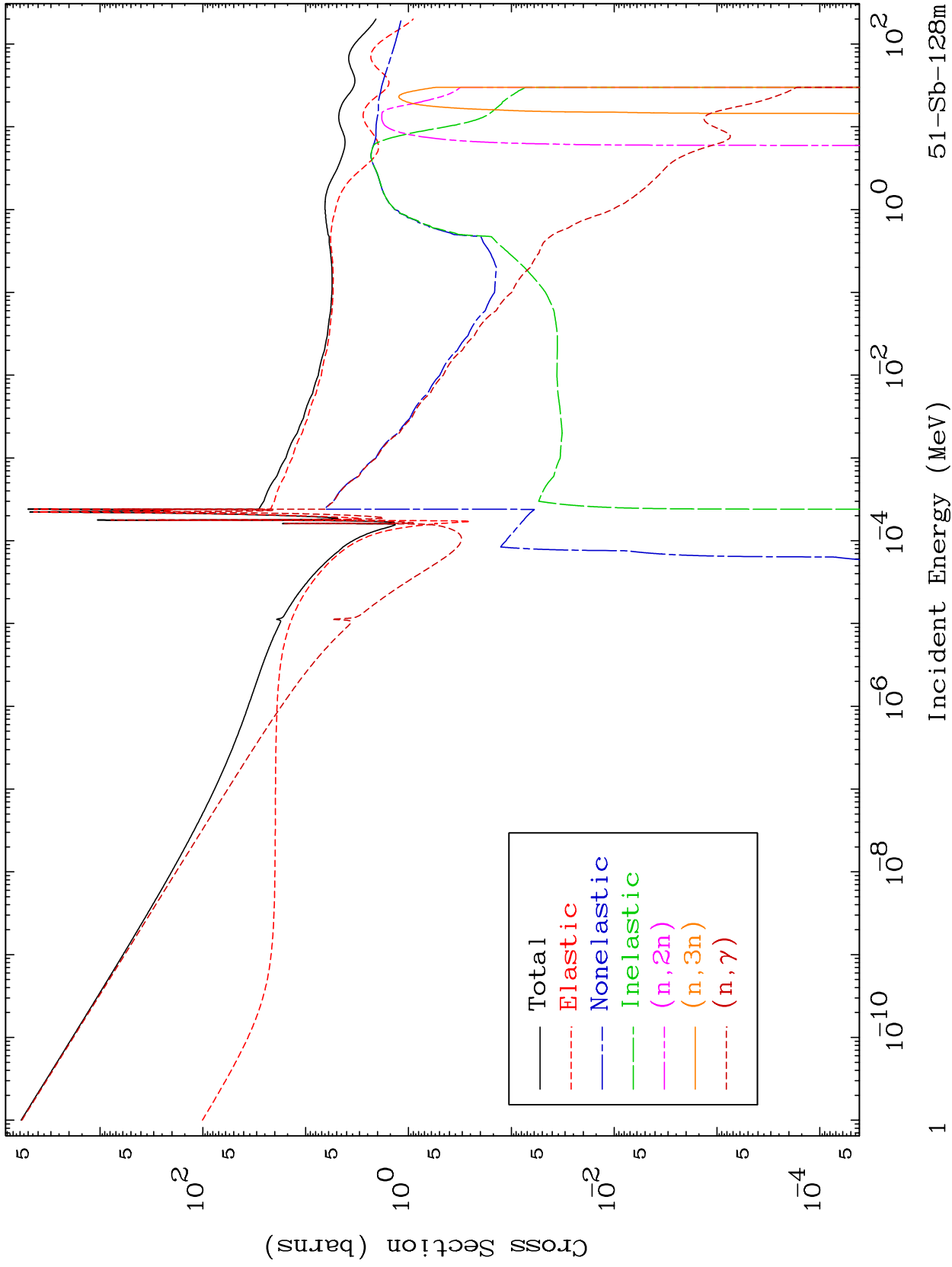
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5147

Neutron Major  
293 Kelvin Cross Sections

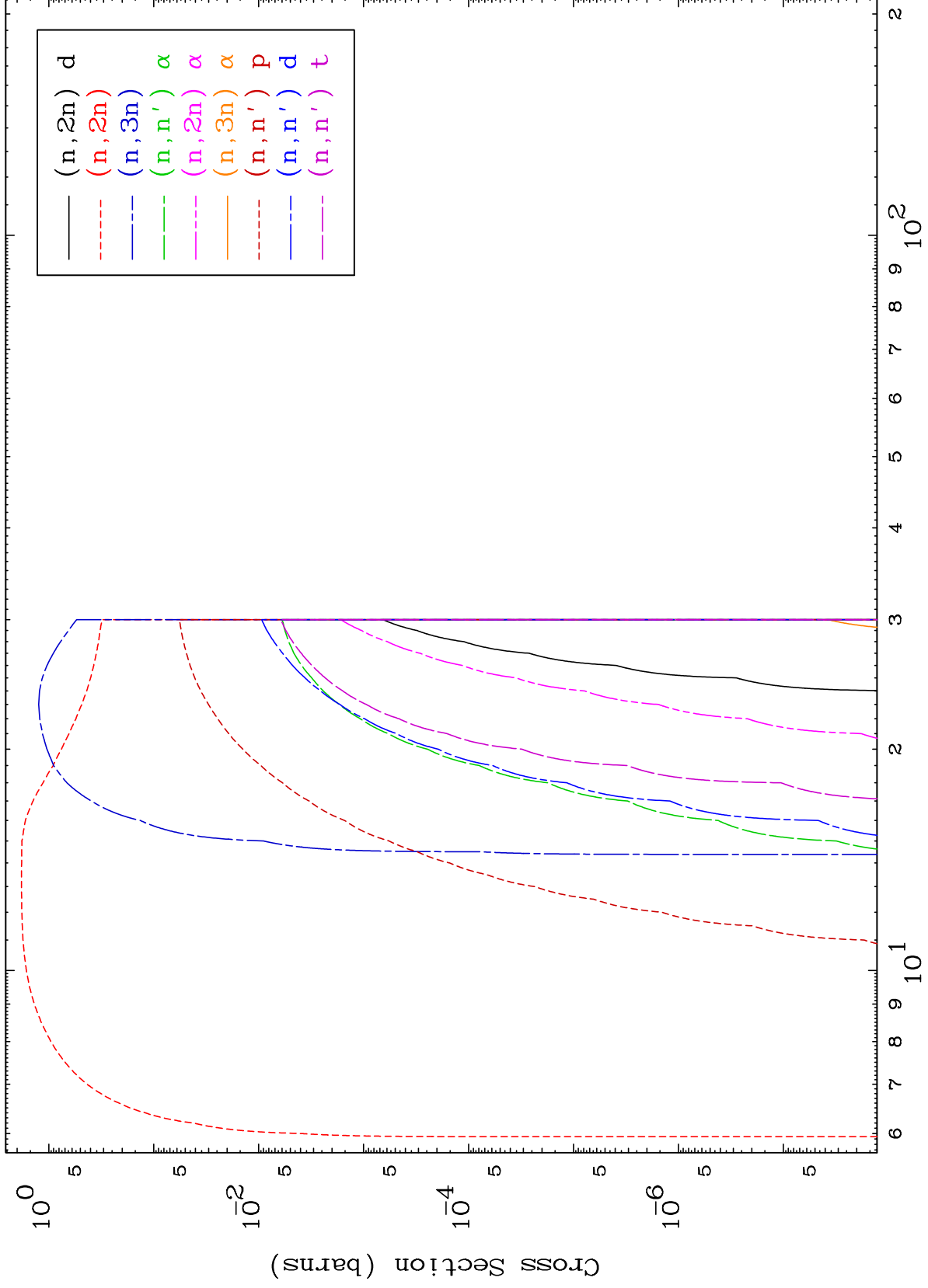
51-Sb-128m



MAT 5147

Neutron Absorption  
293 Kelvin Cross Sections

51-Sb-128m



2

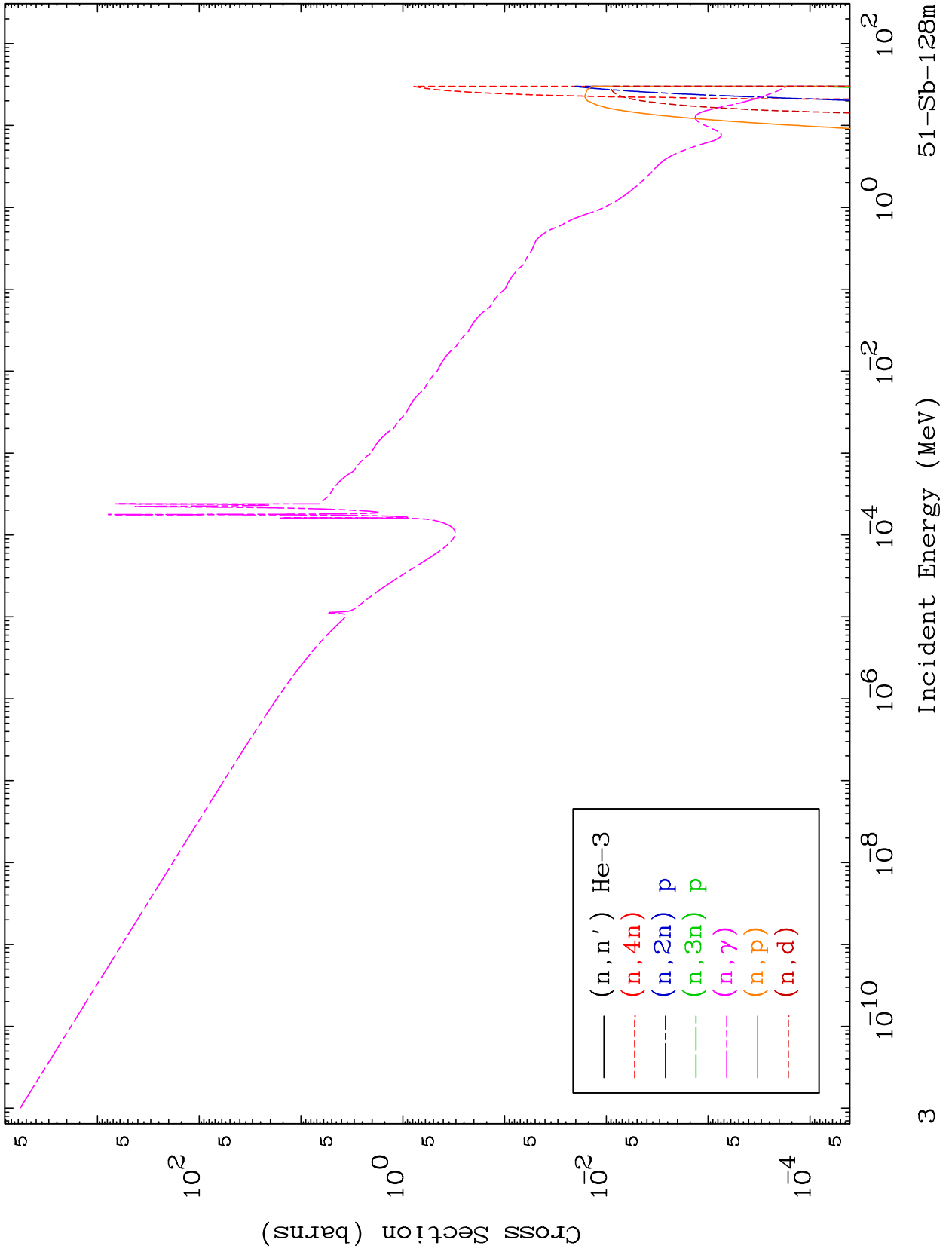
Incident Energy (MeV)

51-Sb-128m

MAT 5147

Neutron Absorption  
293 Kelvin Cross Sections

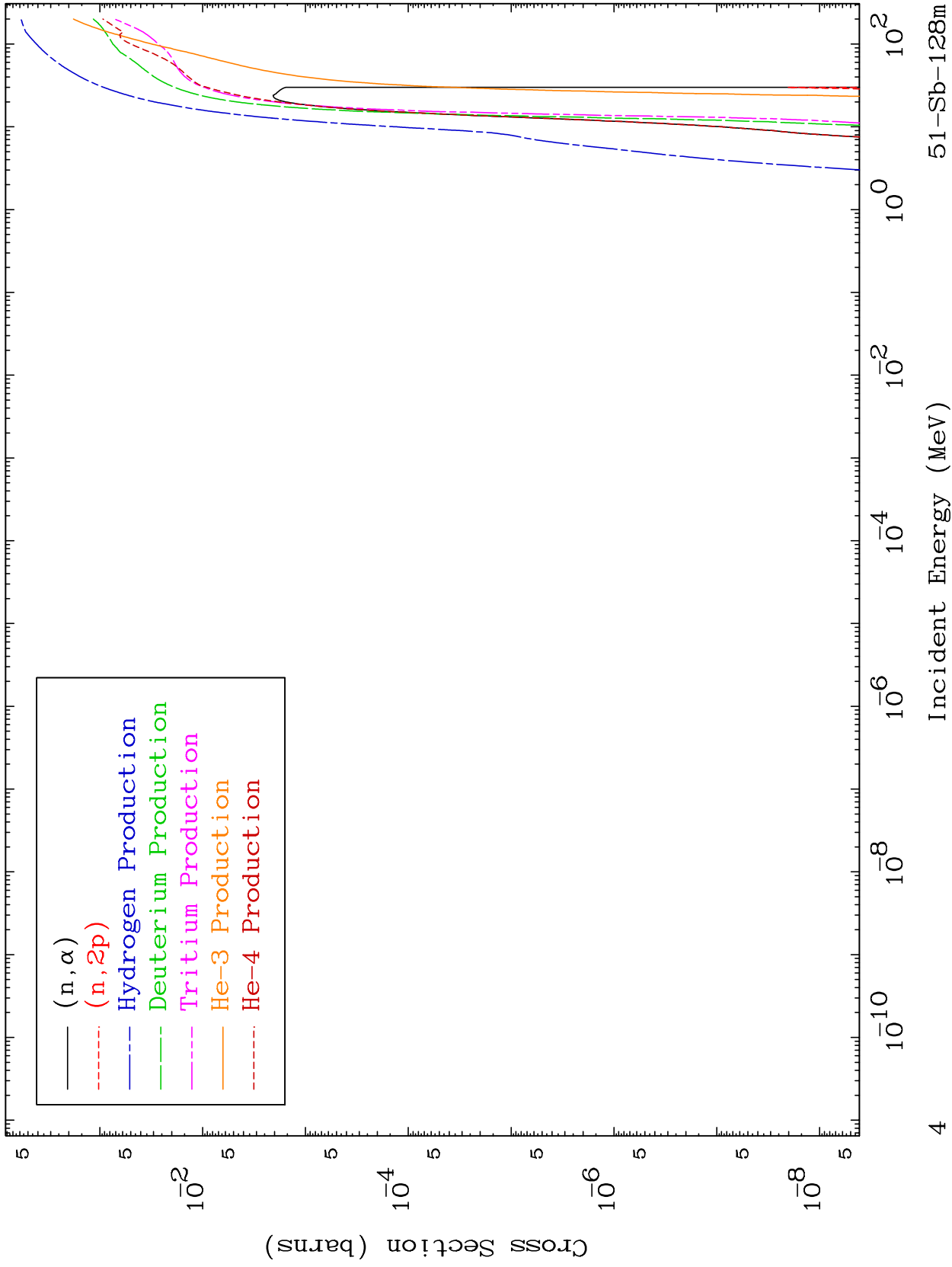
51-Sb-128m



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Neutron Absorption  
293 Kelvin Cross Sections

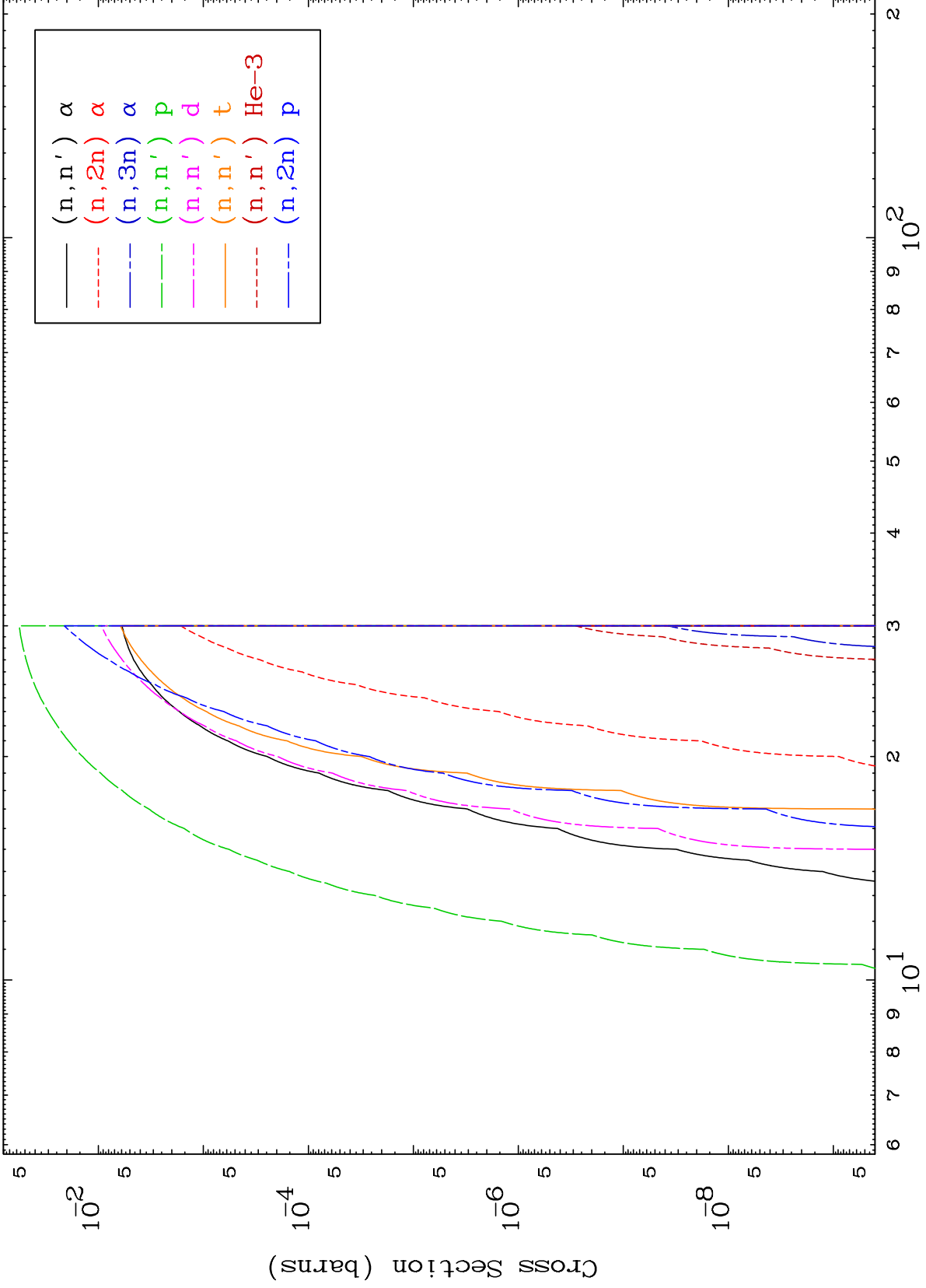
51-Sb-128m



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Charged Particle  
293 Kelvin Cross Sections

51-Sb-128m



5

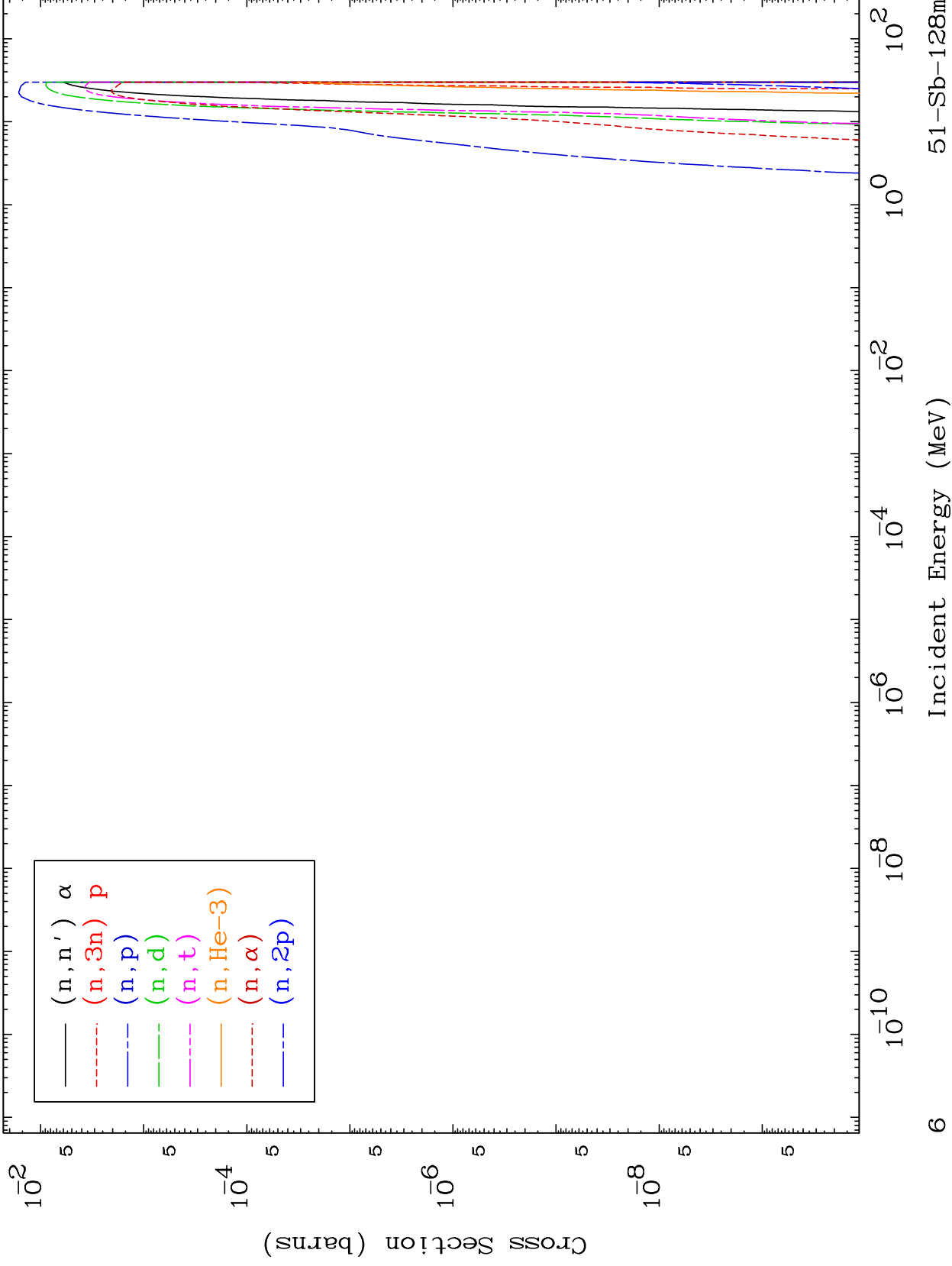
Incident Energy (MeV)

51-Sb-128m

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Charged Particle  
293 Kelvin Cross Sections

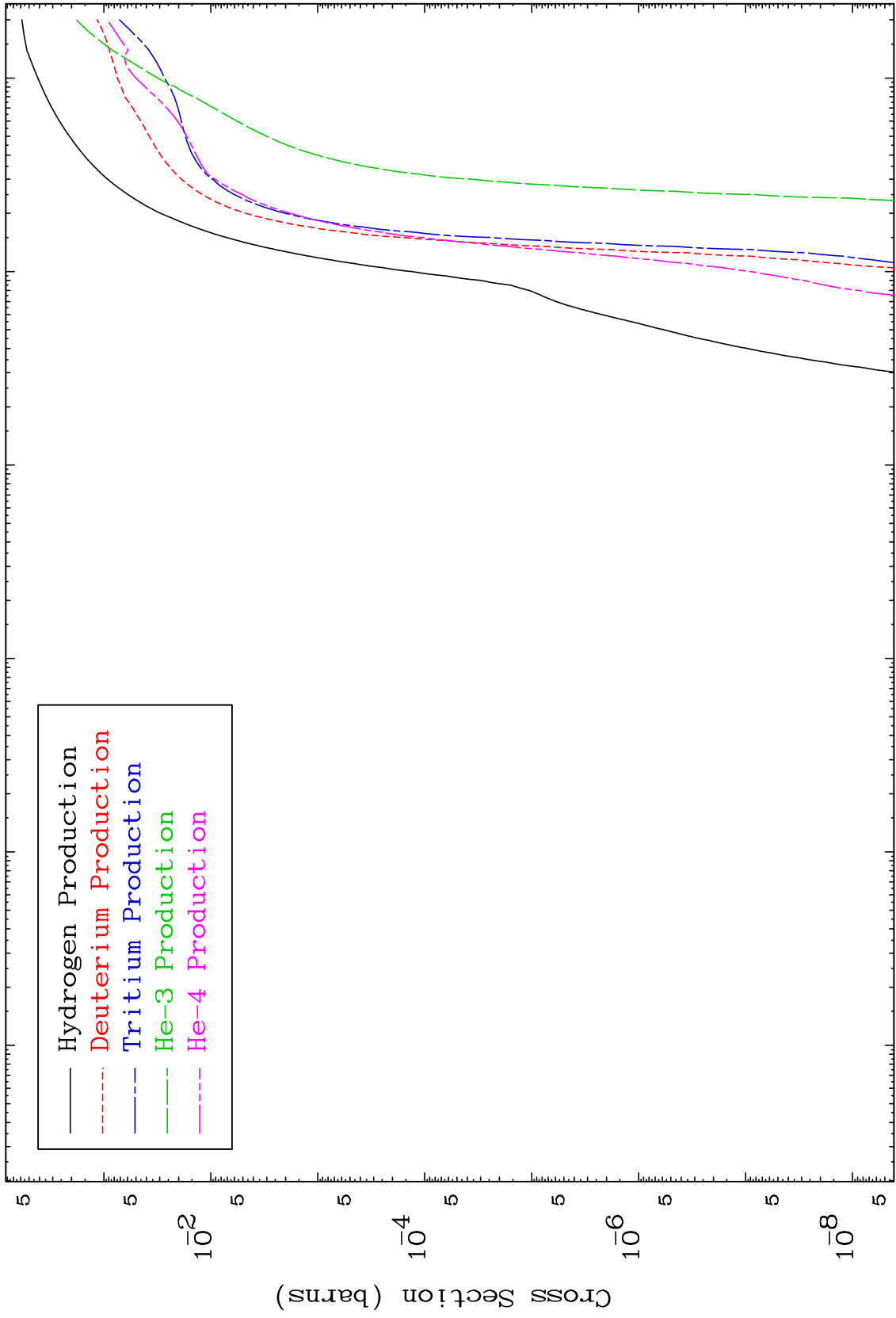
51-Sb-128m



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Particle Production  
293 Kelvin Cross Sections

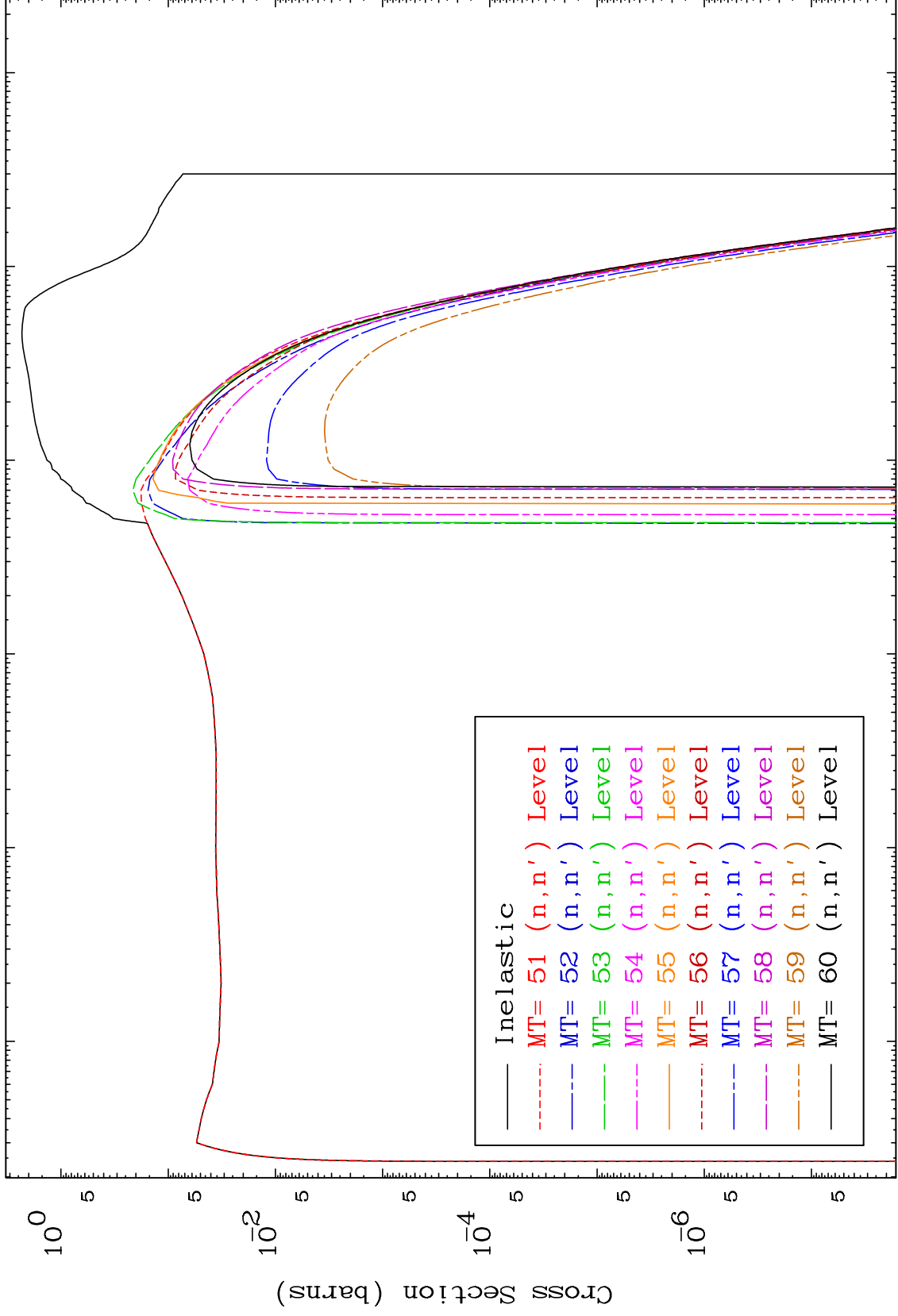
51-Sb-128m



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(n,n') Levels  
293 Kelvin Cross Sections

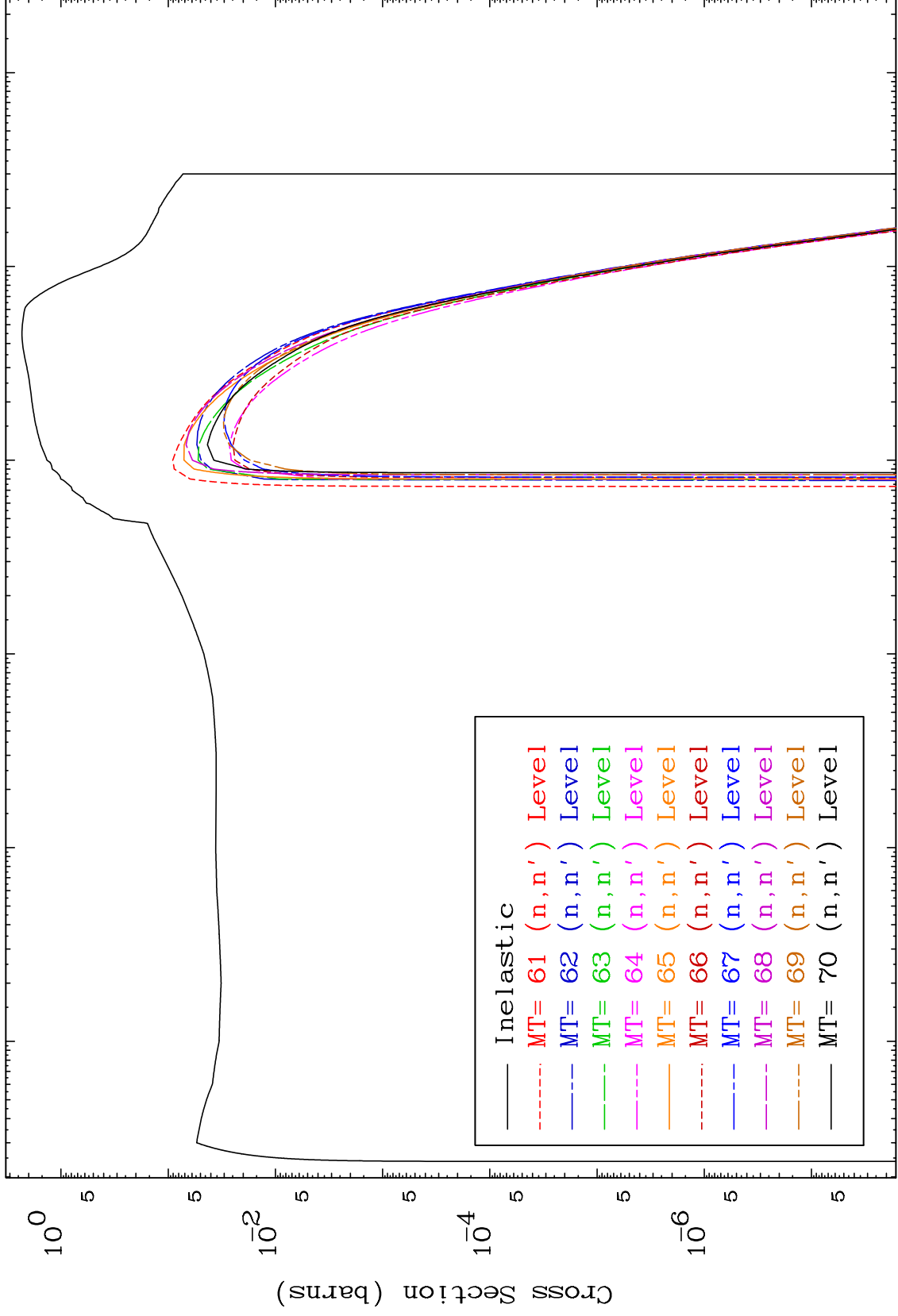
51-Sb-128m



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(n,n') Levels  
293 Kelvin Cross Sections

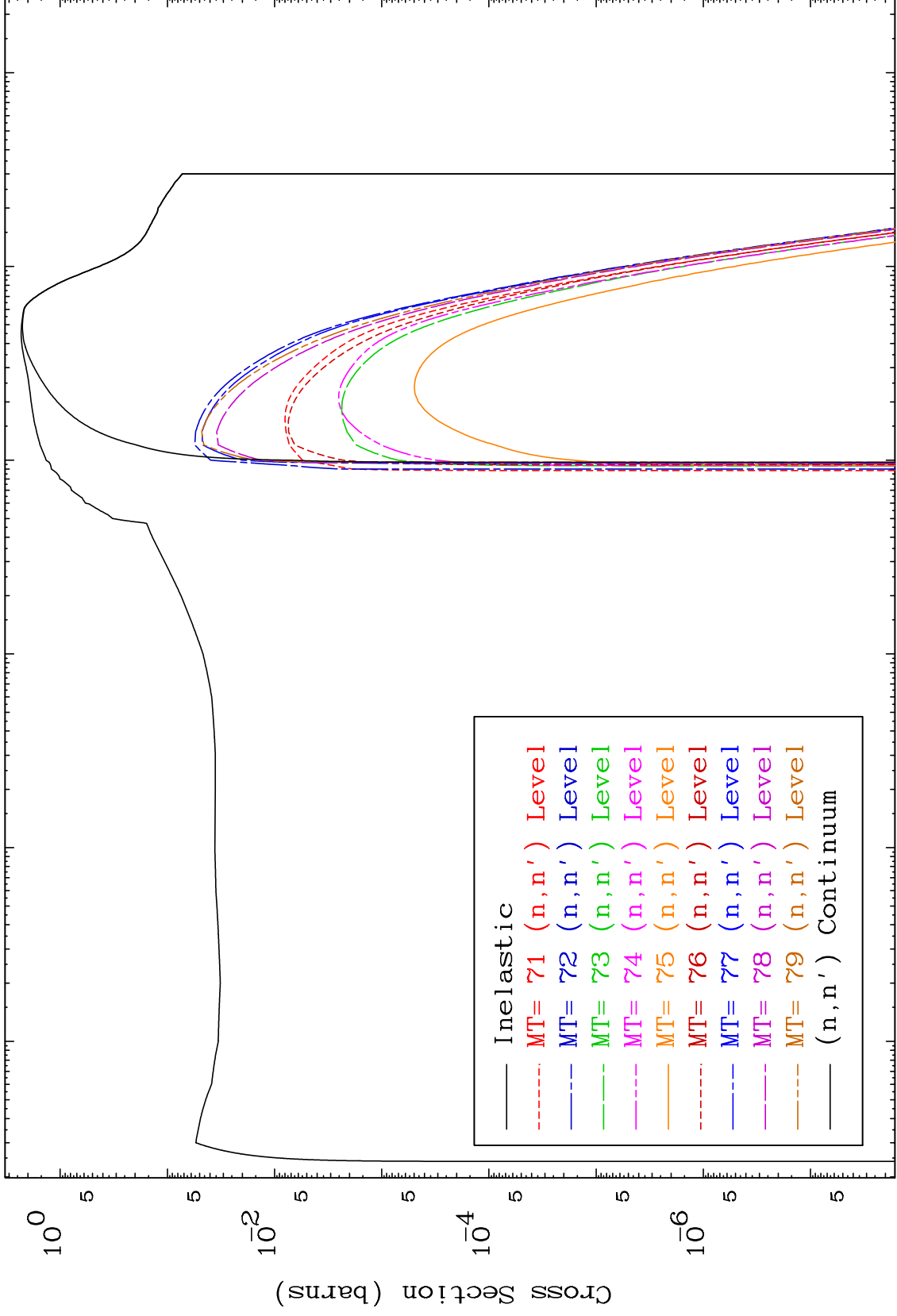
51-Sb-128m



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(n,n') Levels  
293 Kelvin Cross Sections

51-Sb-128m



10

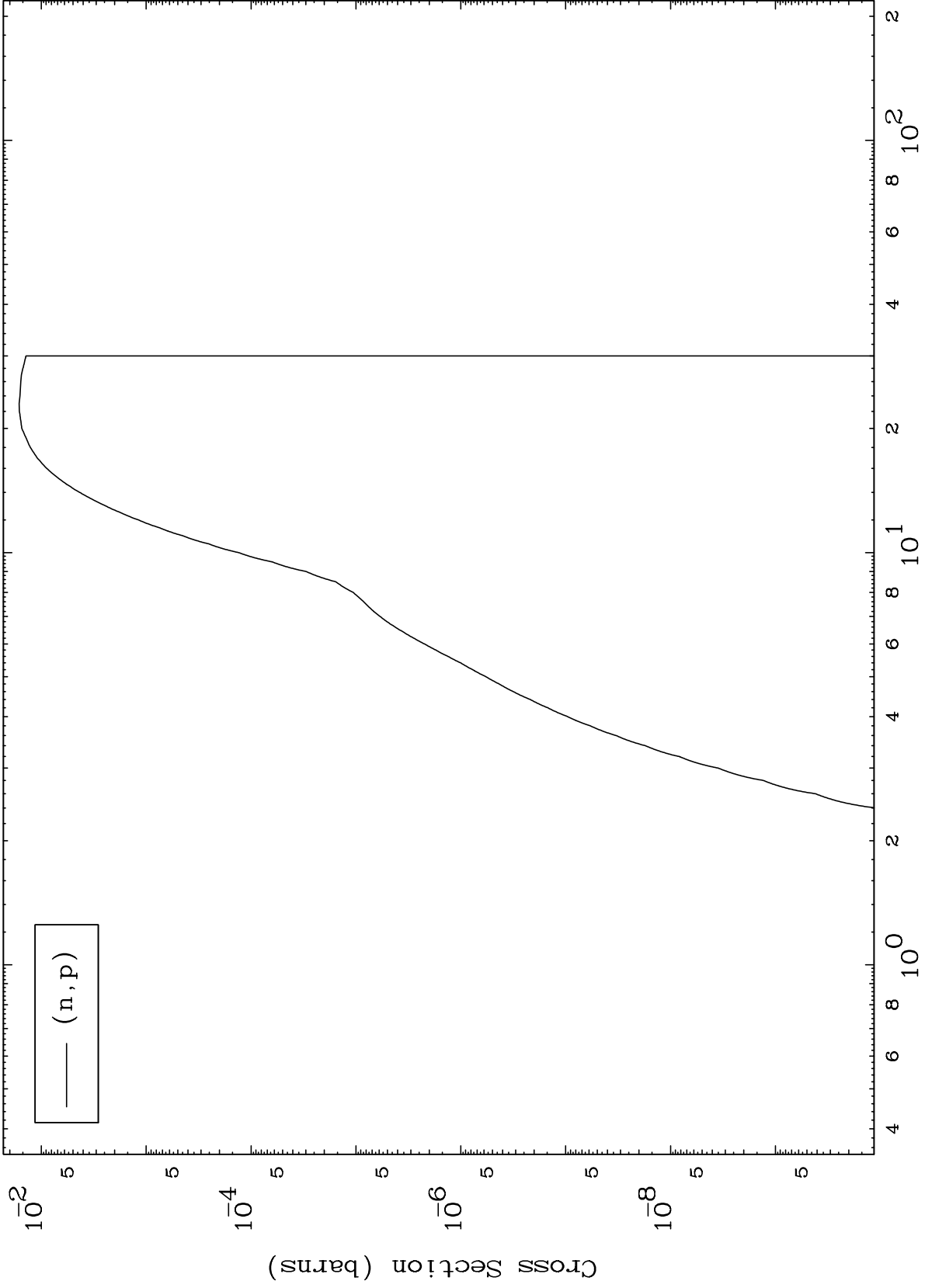
Incident Energy (MeV)

51-Sb-128m

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(n,p) Levels  
293 Kelvin Cross Sections

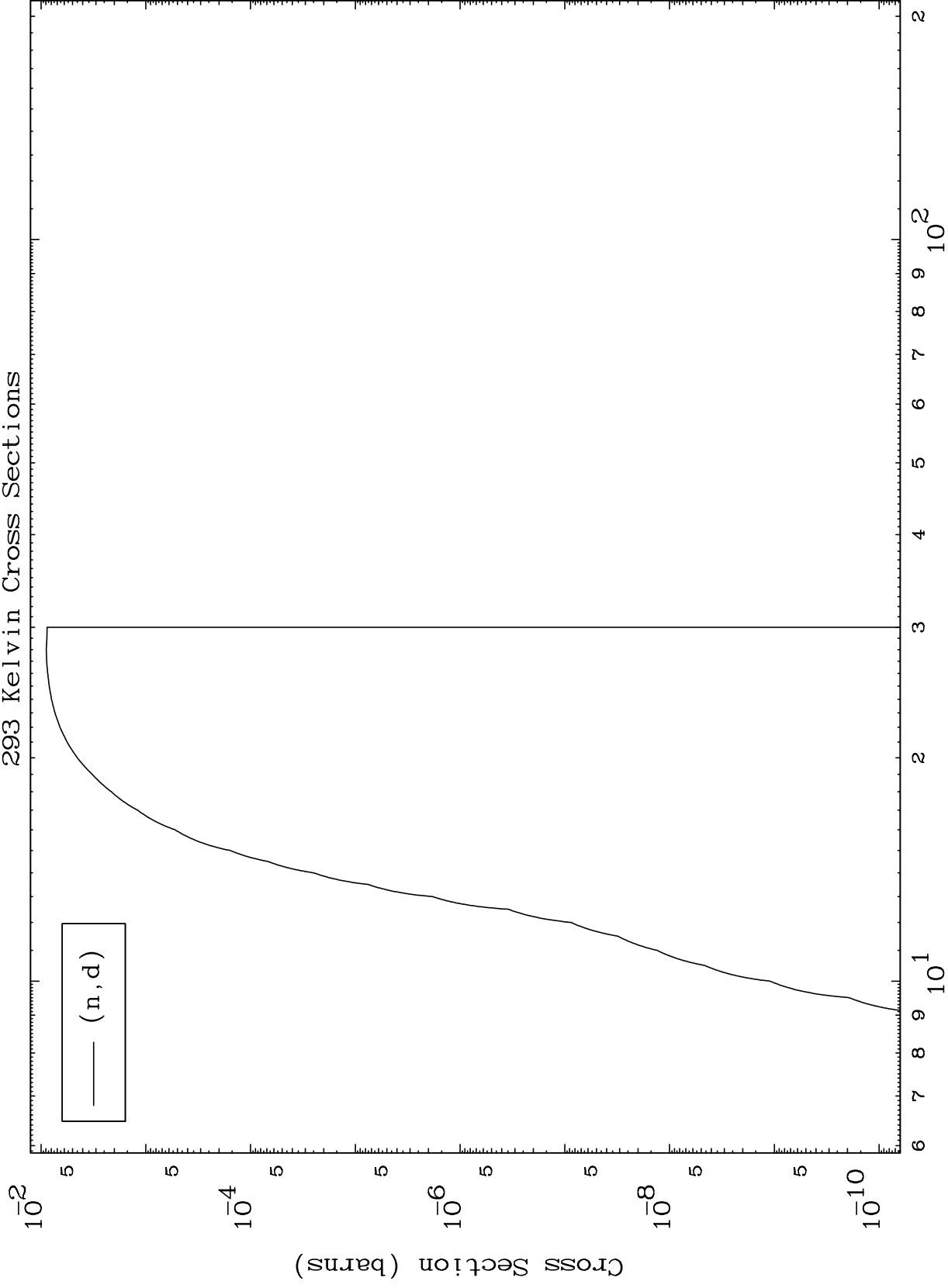
51-Sb-128m



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(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-128m



12

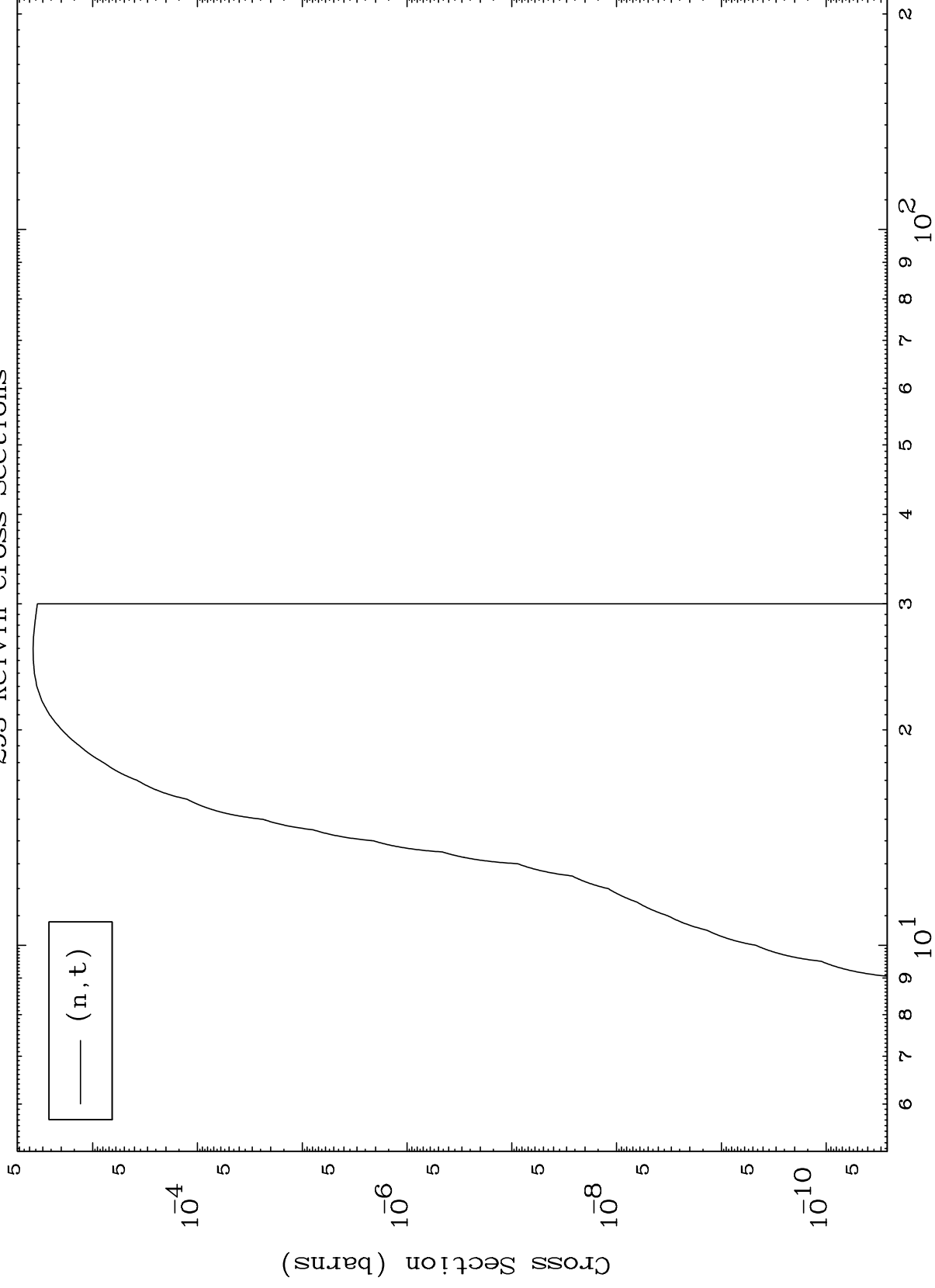
Incident Energy (MeV)

51-Sb-128m

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(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-128m



13

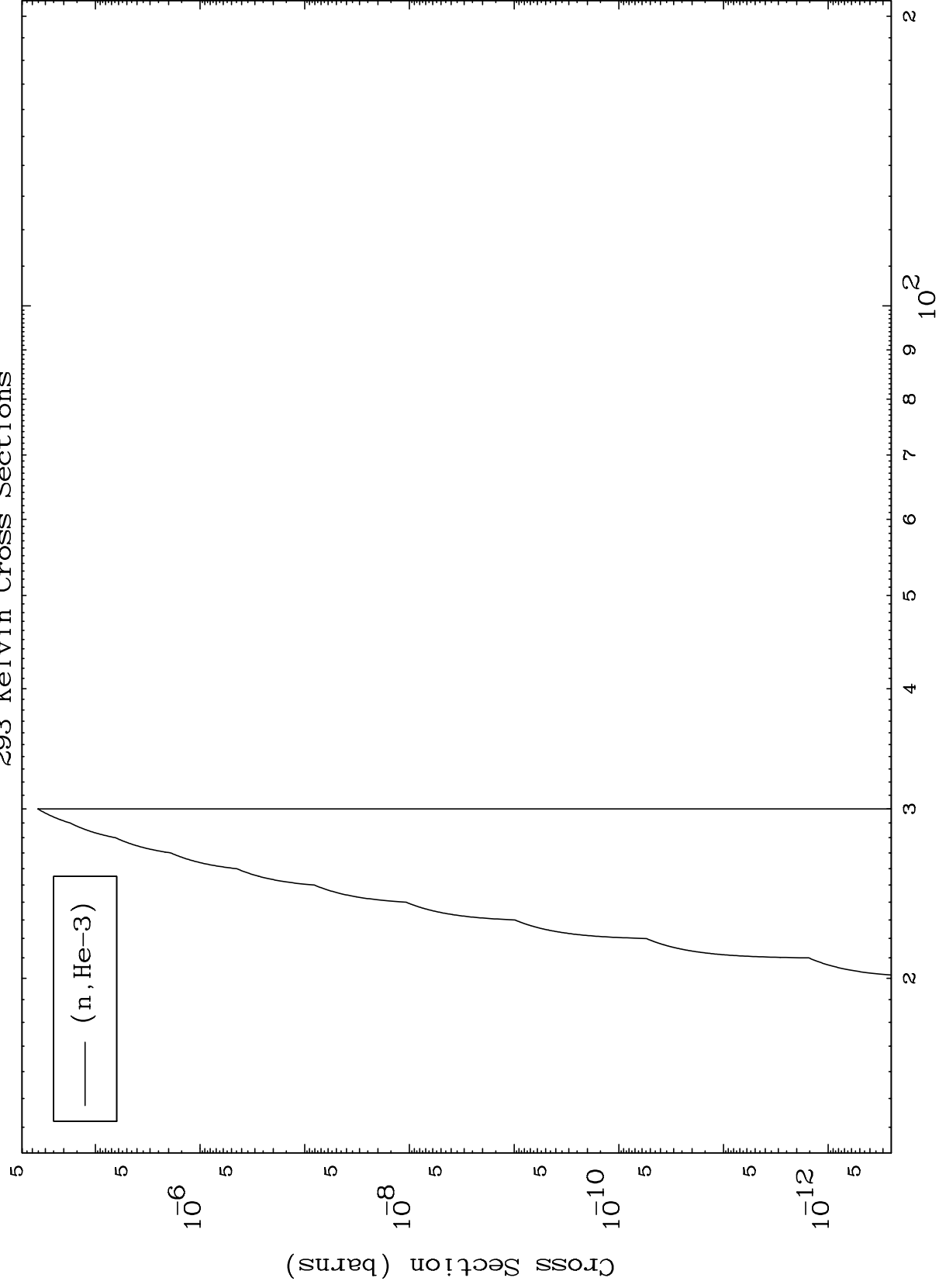
Incident Energy (MeV)

51-Sb-128m

MAT 5147

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-128m



14

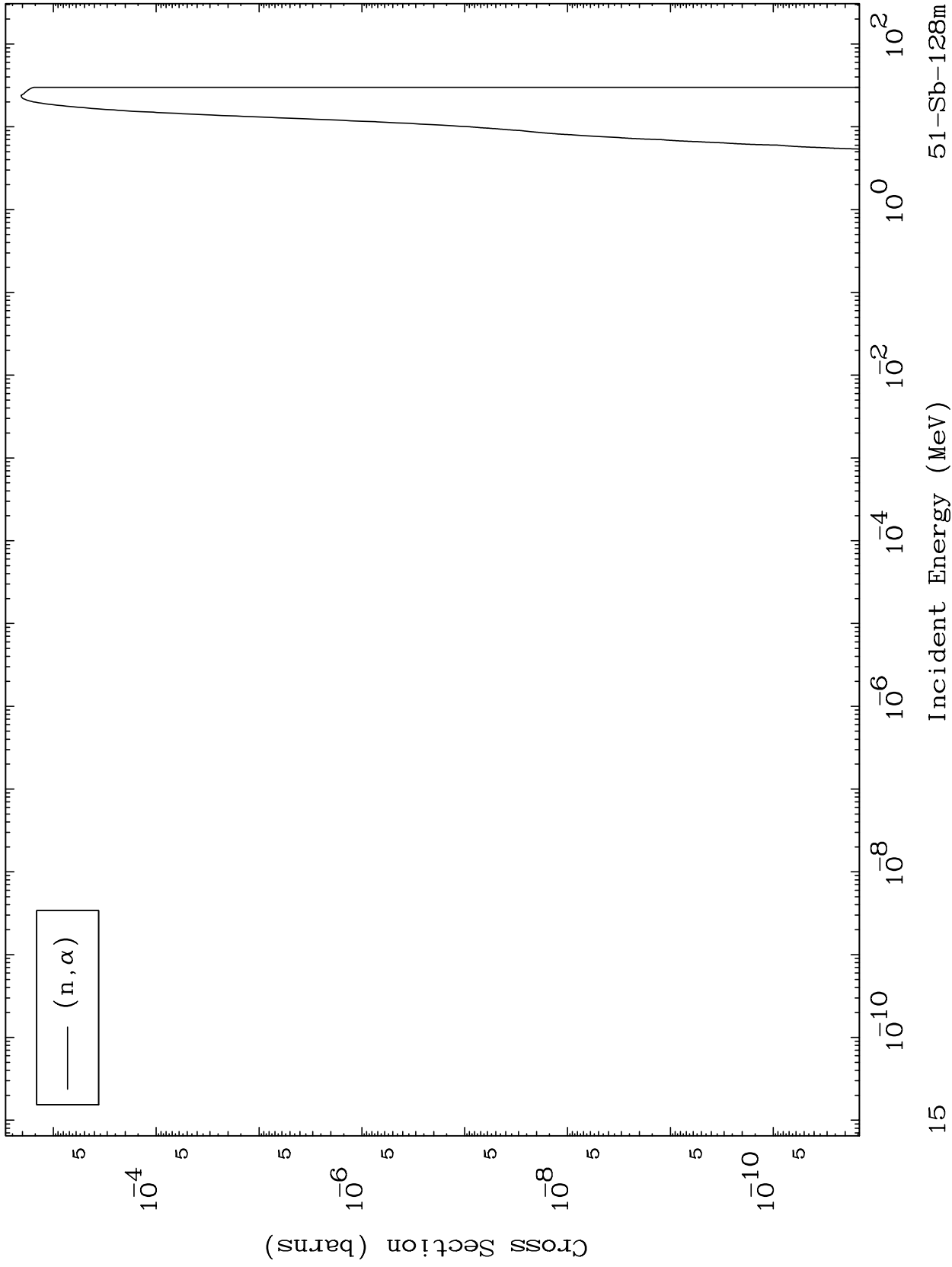
Incident Energy (MeV)

51-Sb-128m

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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

51-Sb-128m

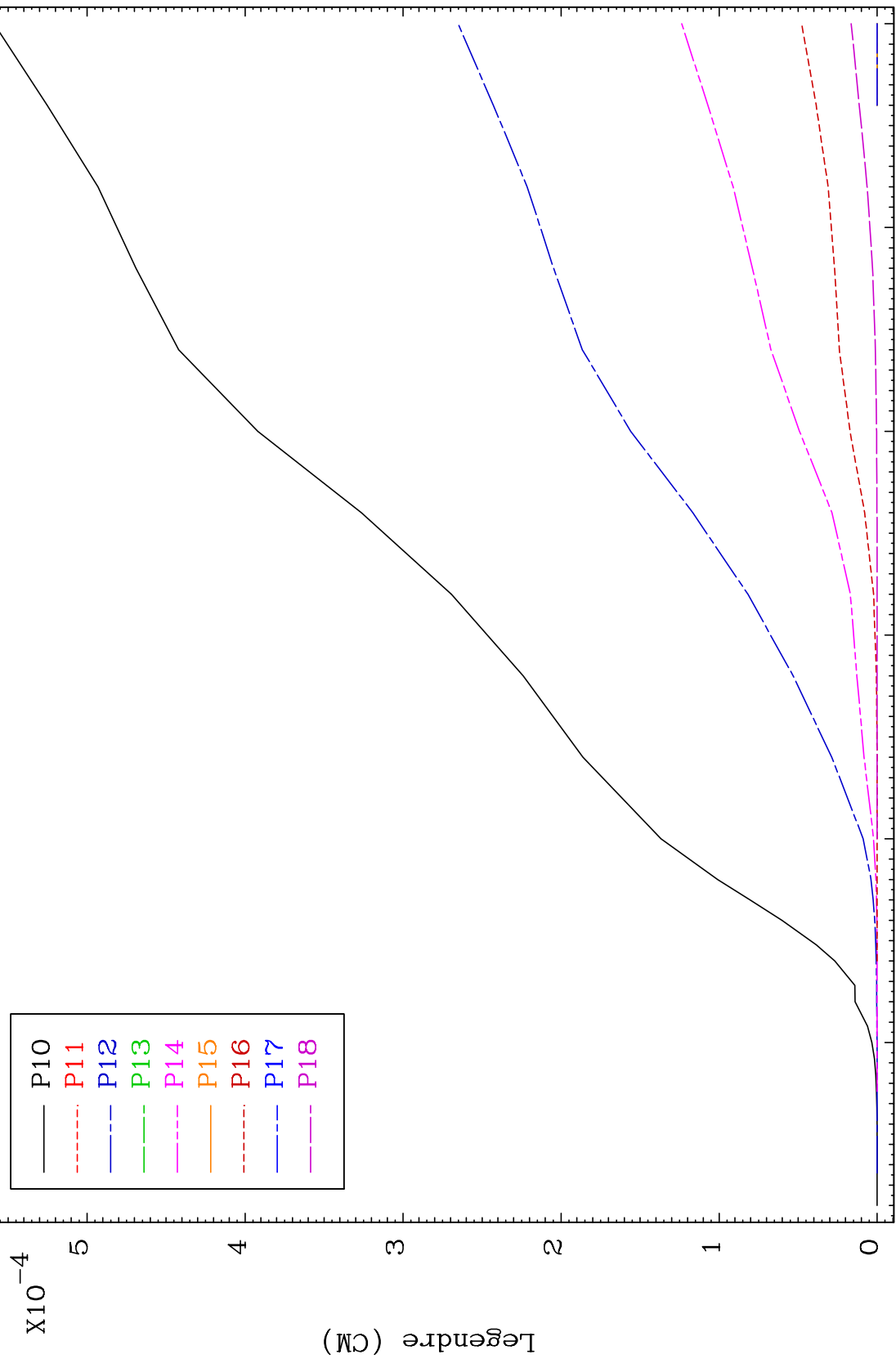
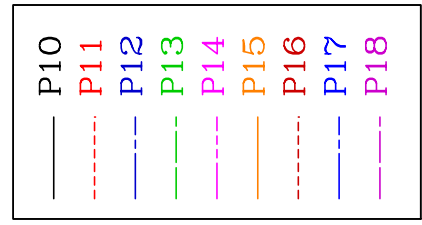




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Elastic Legendre Coefficients

51-Sb-128m



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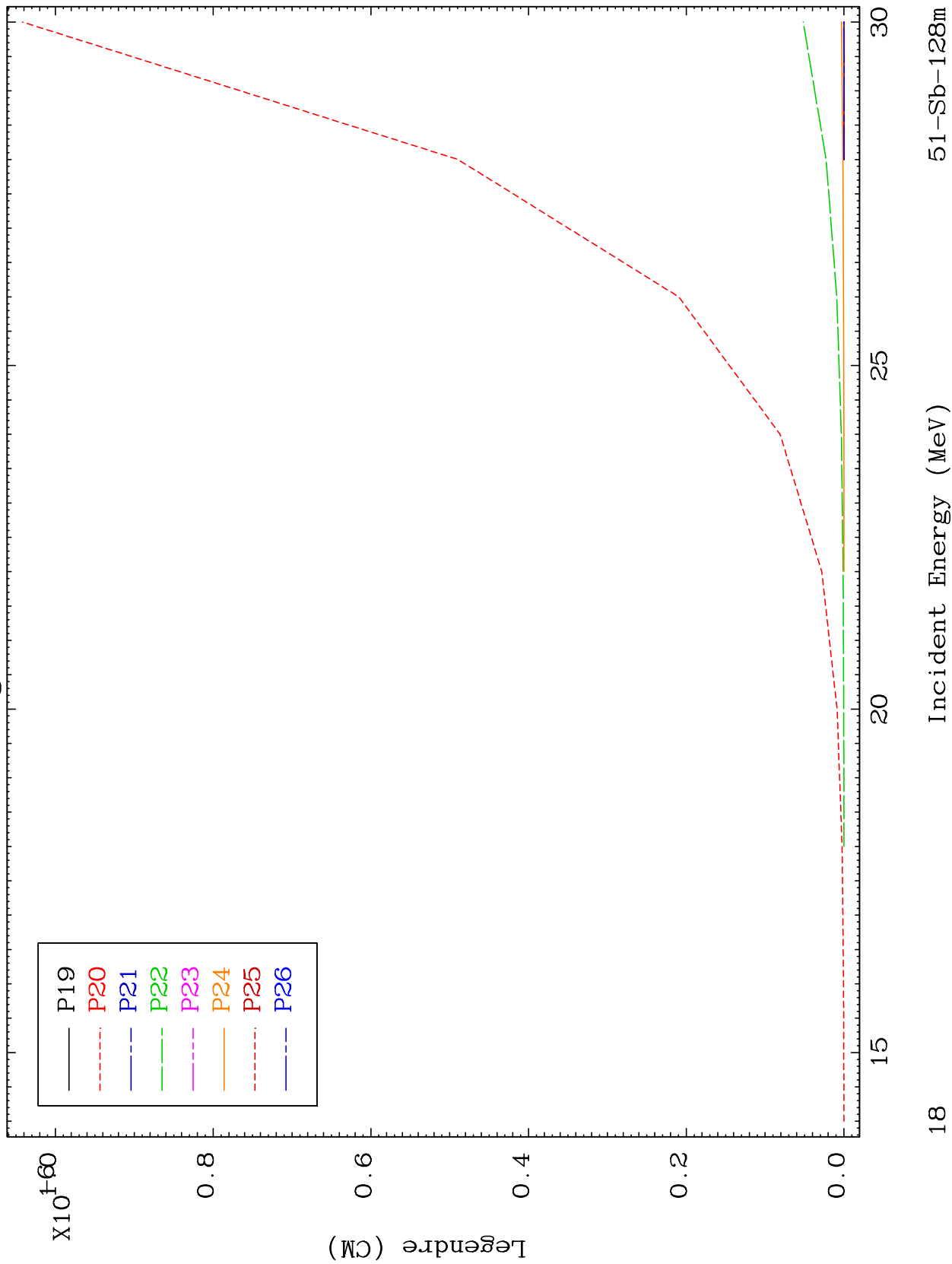
Incident Energy (MeV)

51-Sb-128m

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Elastic Legendre Coefficients

51-Sb-128m

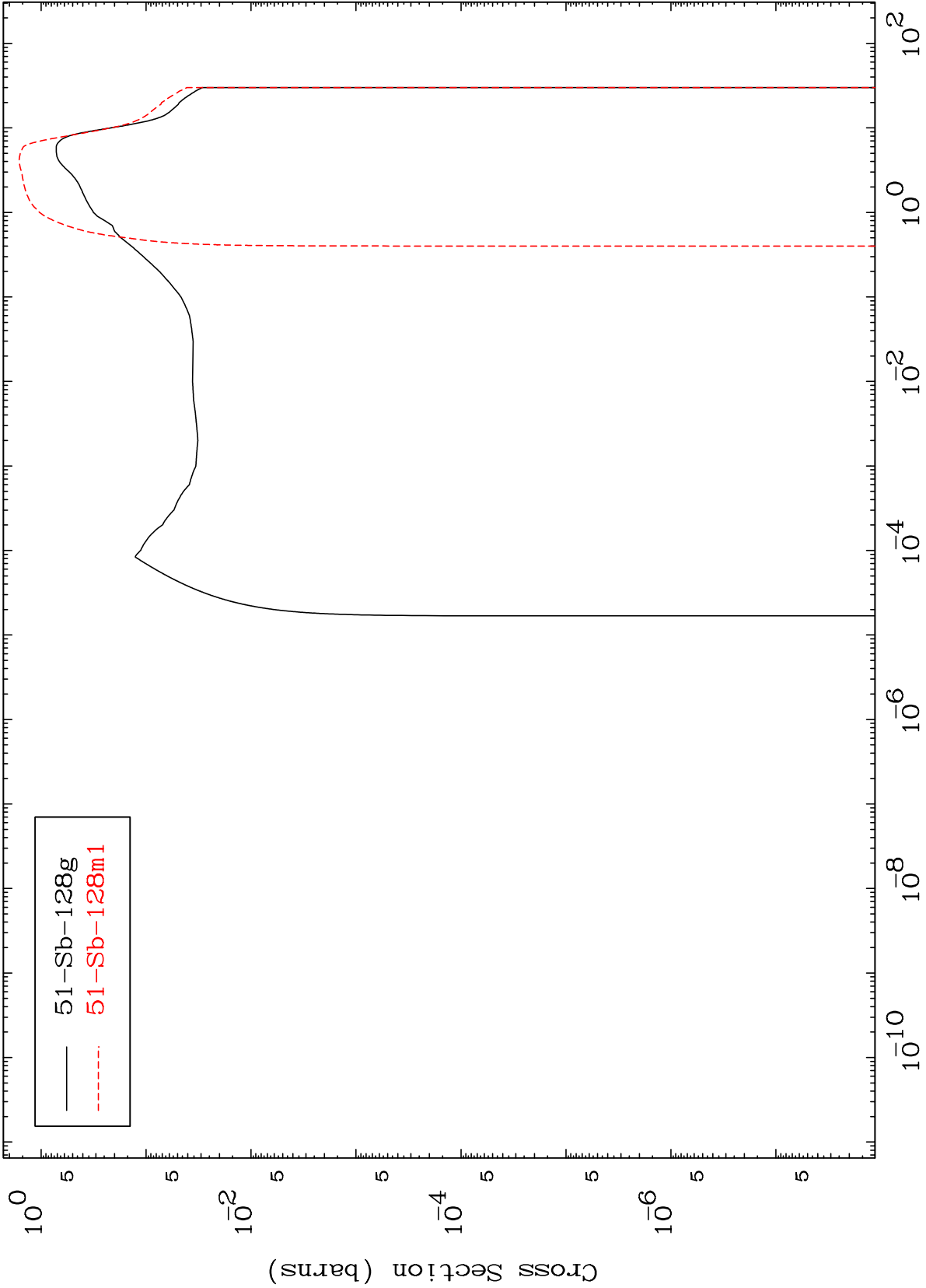


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Inelastic  
Radionuclide Production Cross Section

51-Sb-128m

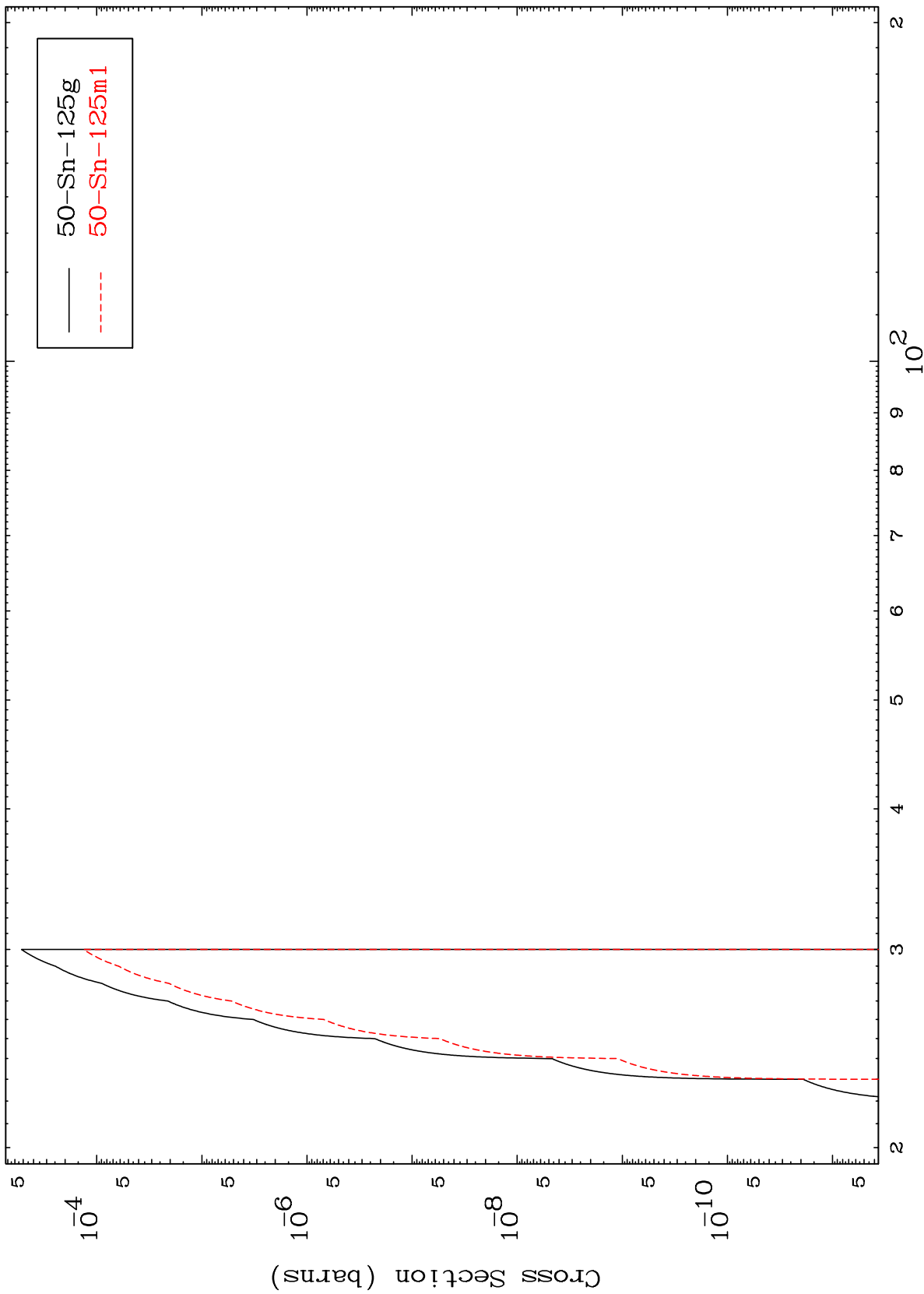


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(n,2n) d

51-Sb-128m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

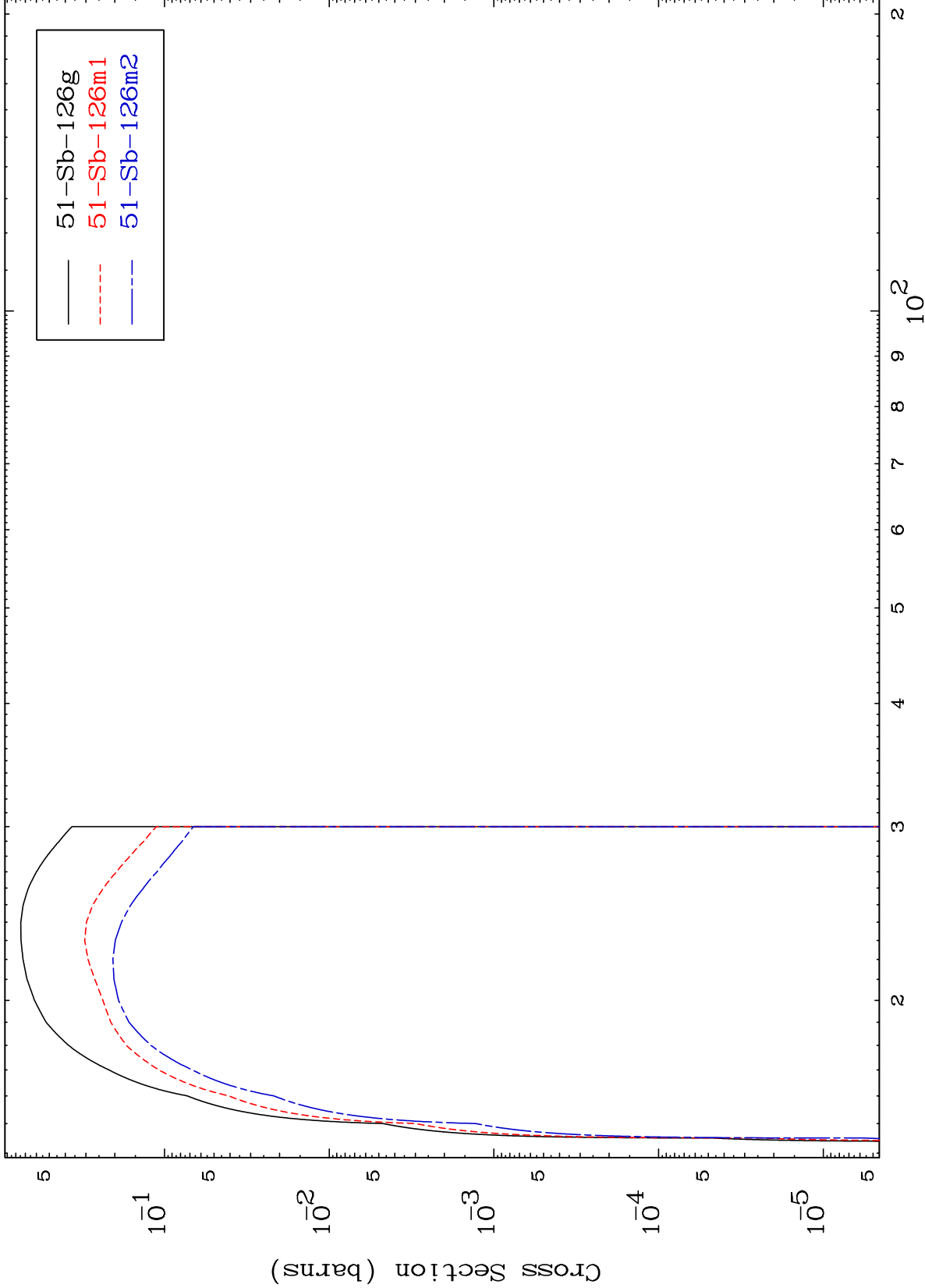
51-Sb-128m

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(n,3n)

51-Sb-128m

Radionuclide Production Cross Section

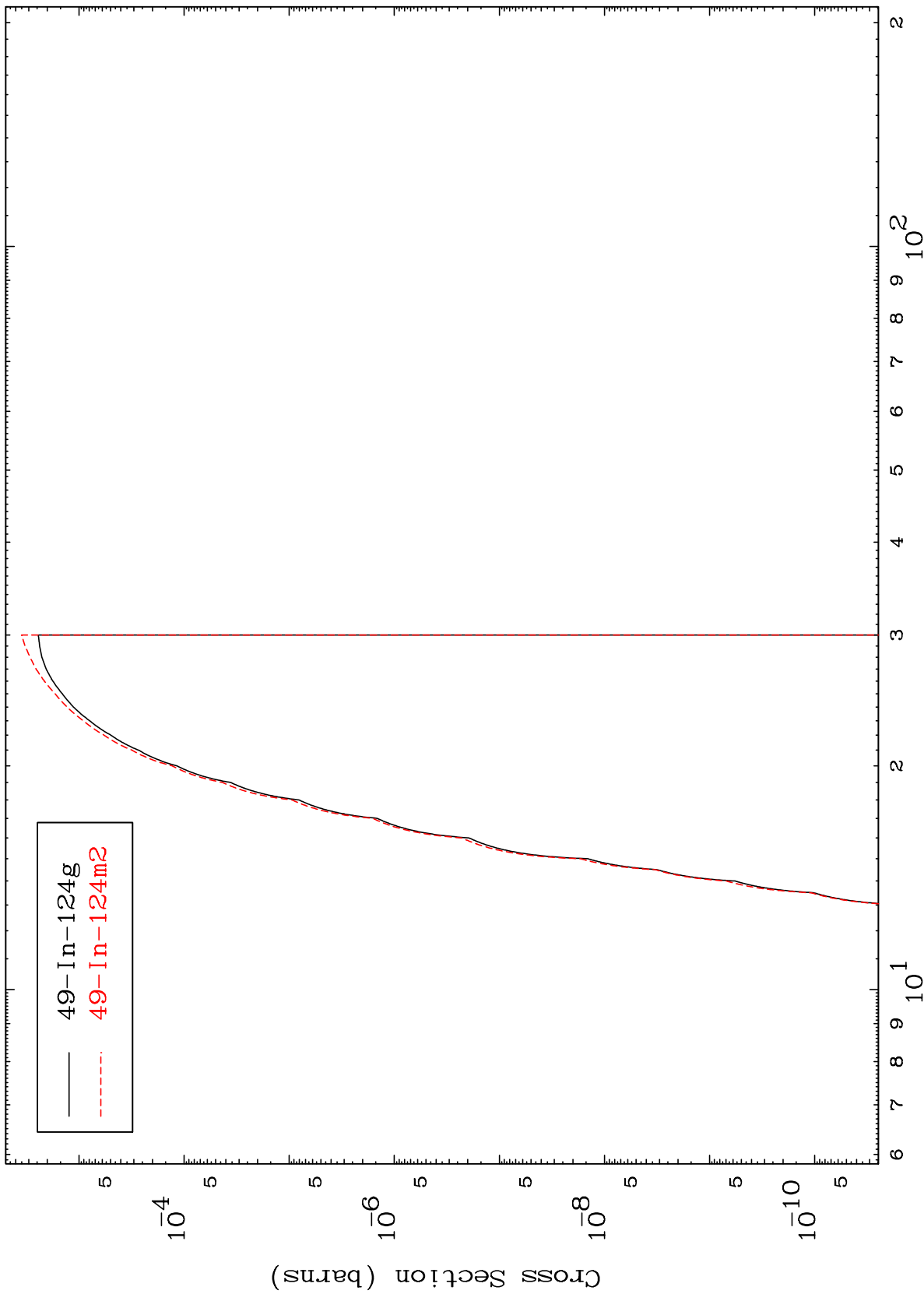


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$(n, n') \alpha$

51-Sb-128m

Radionuclide Production Cross Section

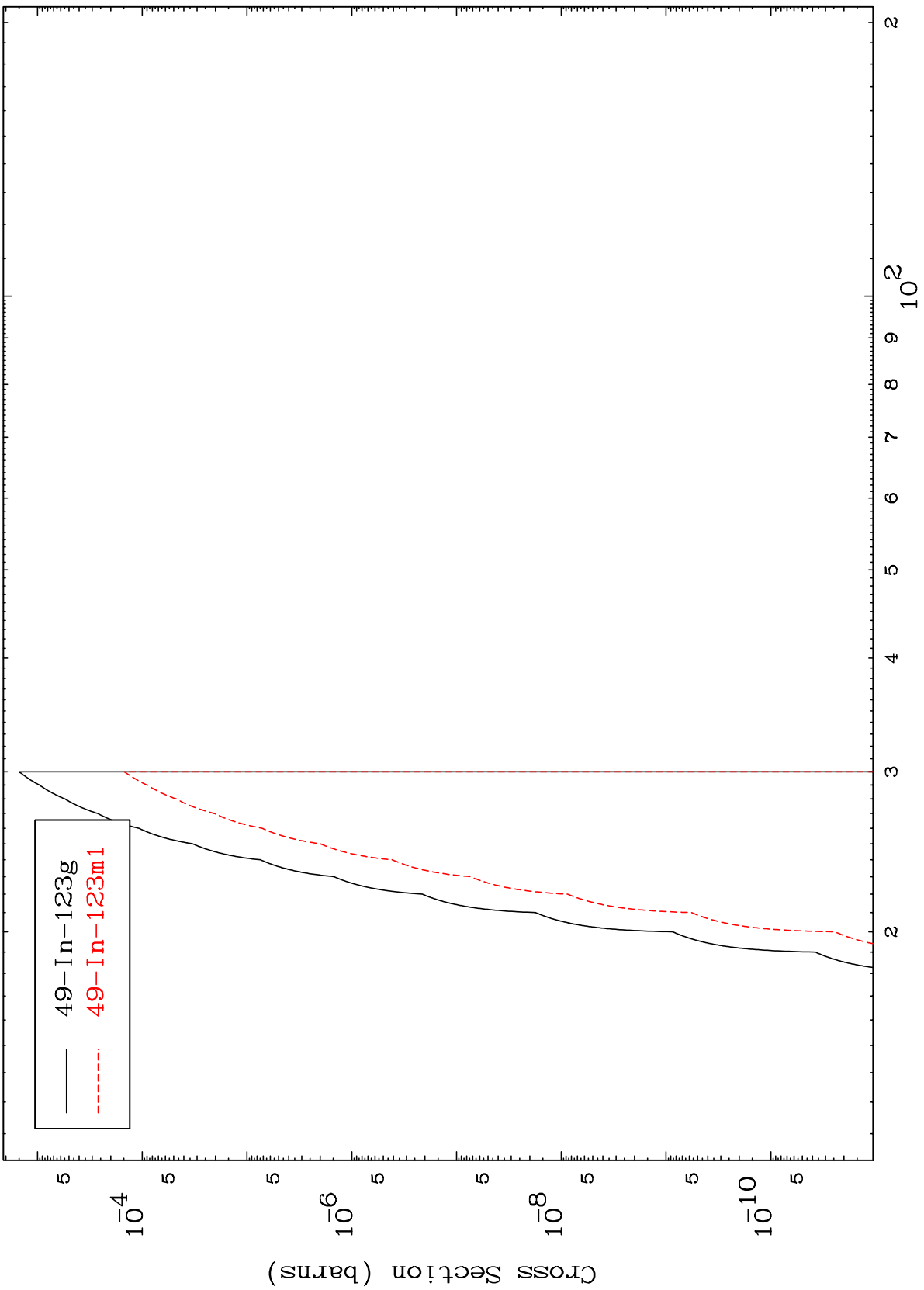


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(n,2n)  $\alpha$

51-Sb-128m

Radionuclide Production Cross Section

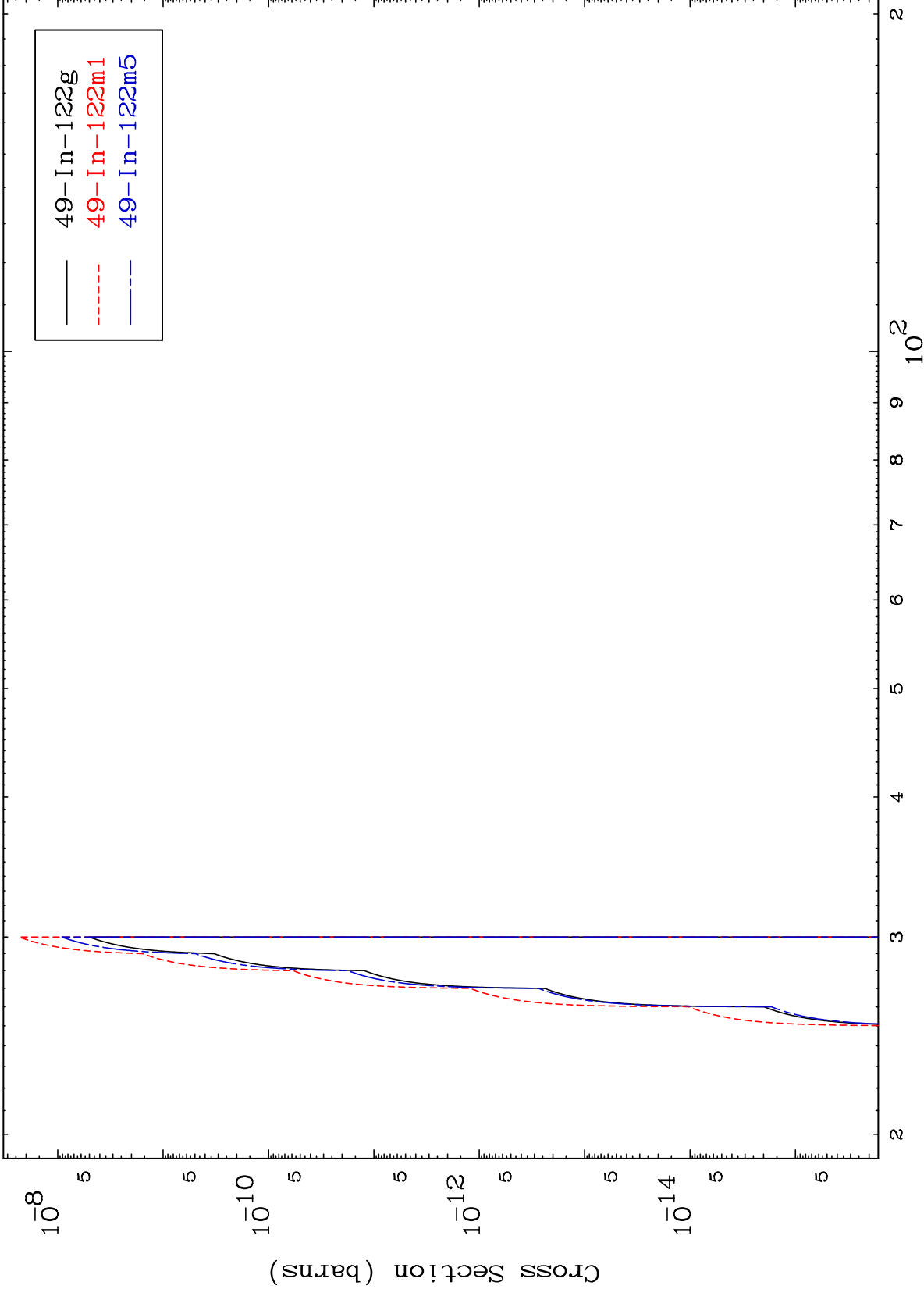


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(n,3n)  $\alpha$

51-Sb-128m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

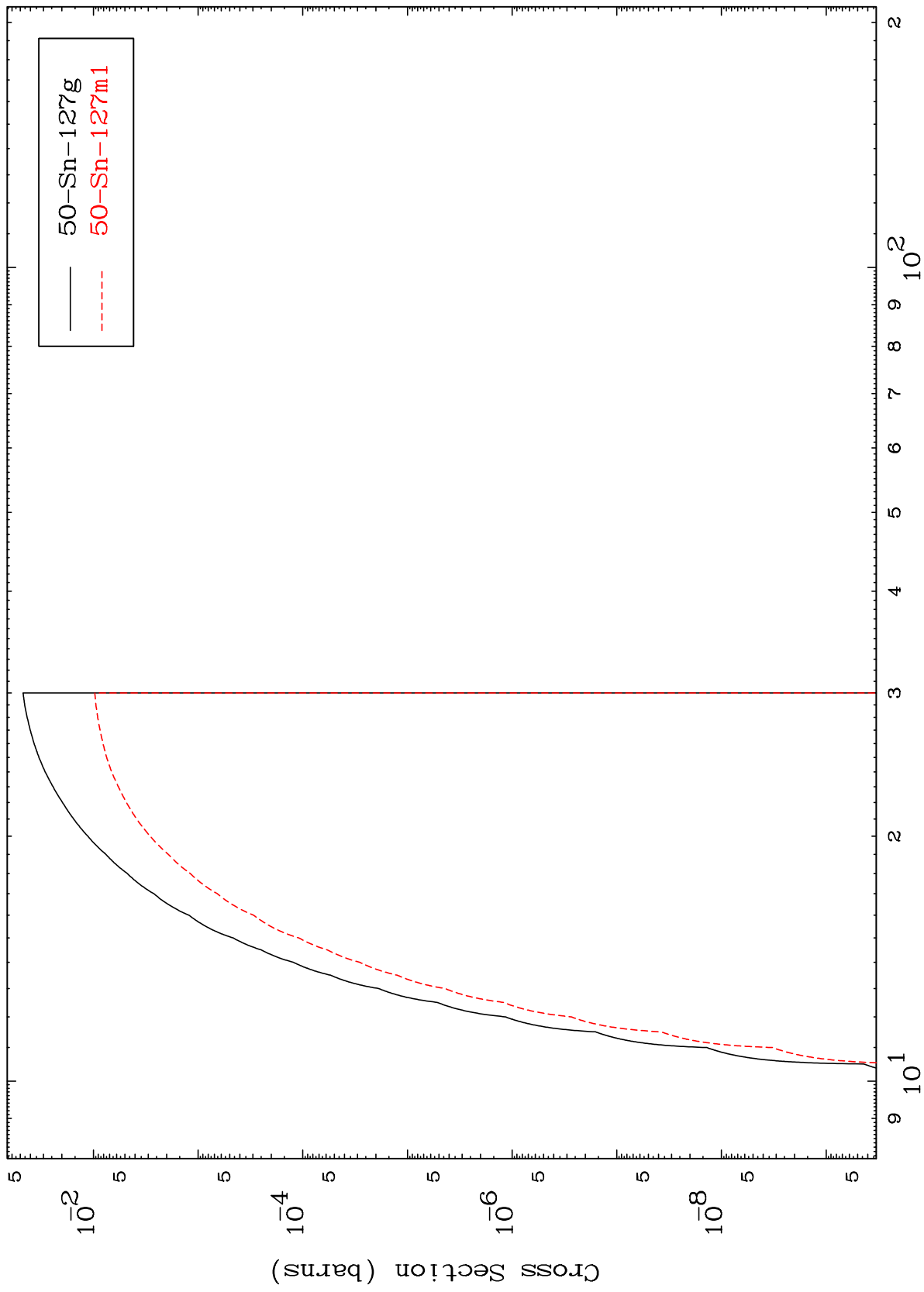
51-Sb-128m

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(n,n') p

51-Sb-128m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

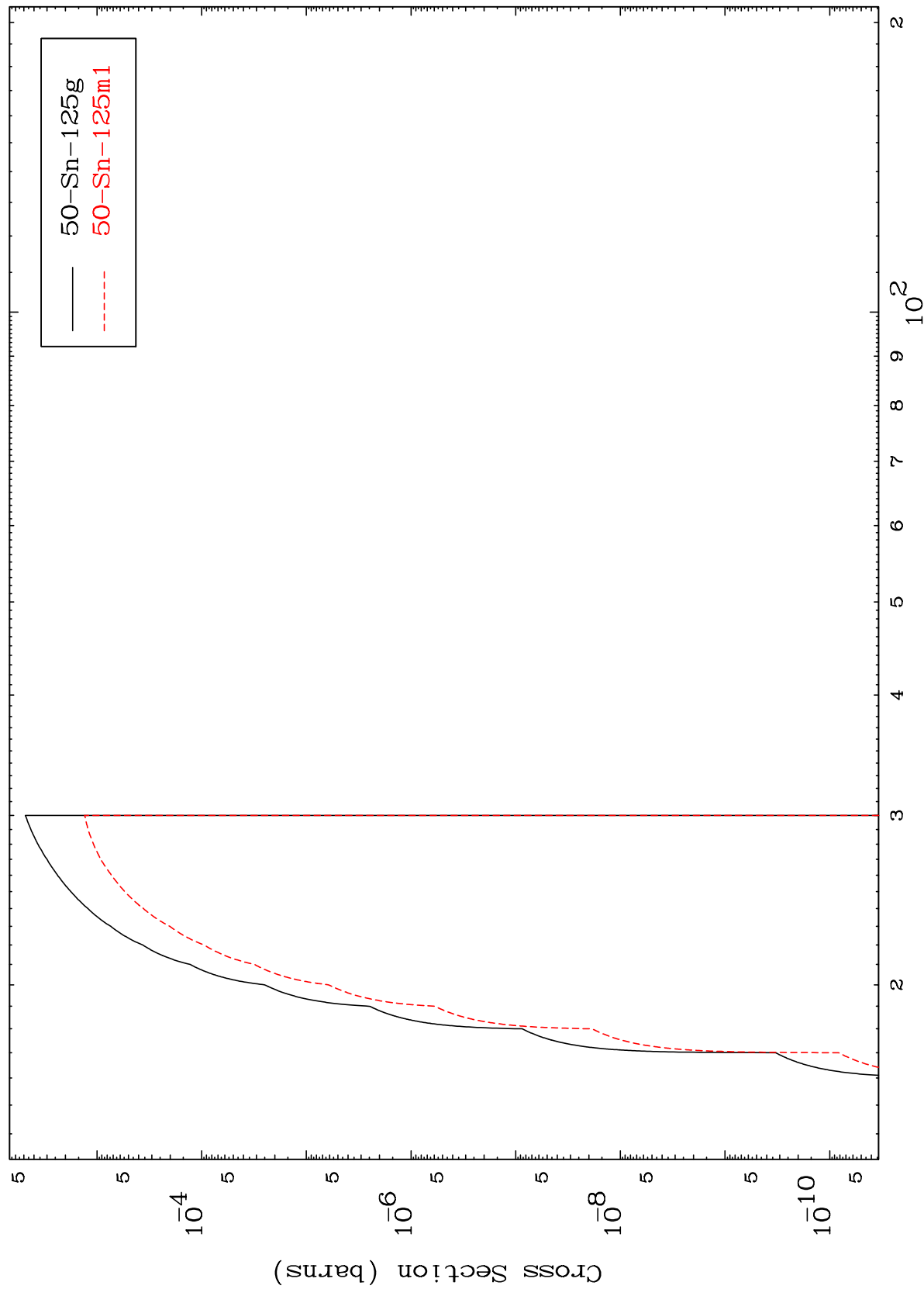
51-Sb-128m

MAT 5147

(n,n') t

51-Sb-128m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

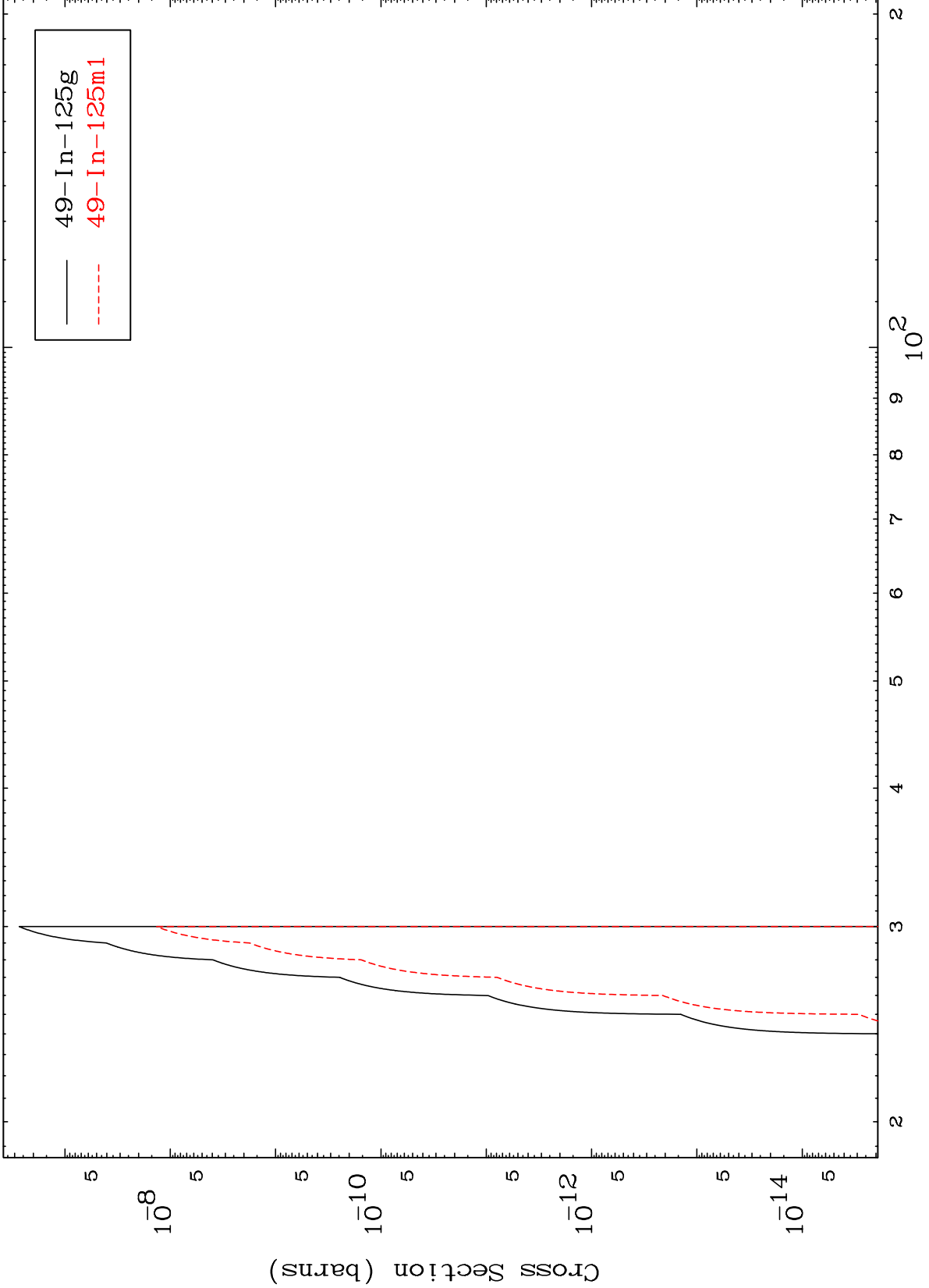
51-Sb-128m

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(n,n') He-3

51-Sb-128m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

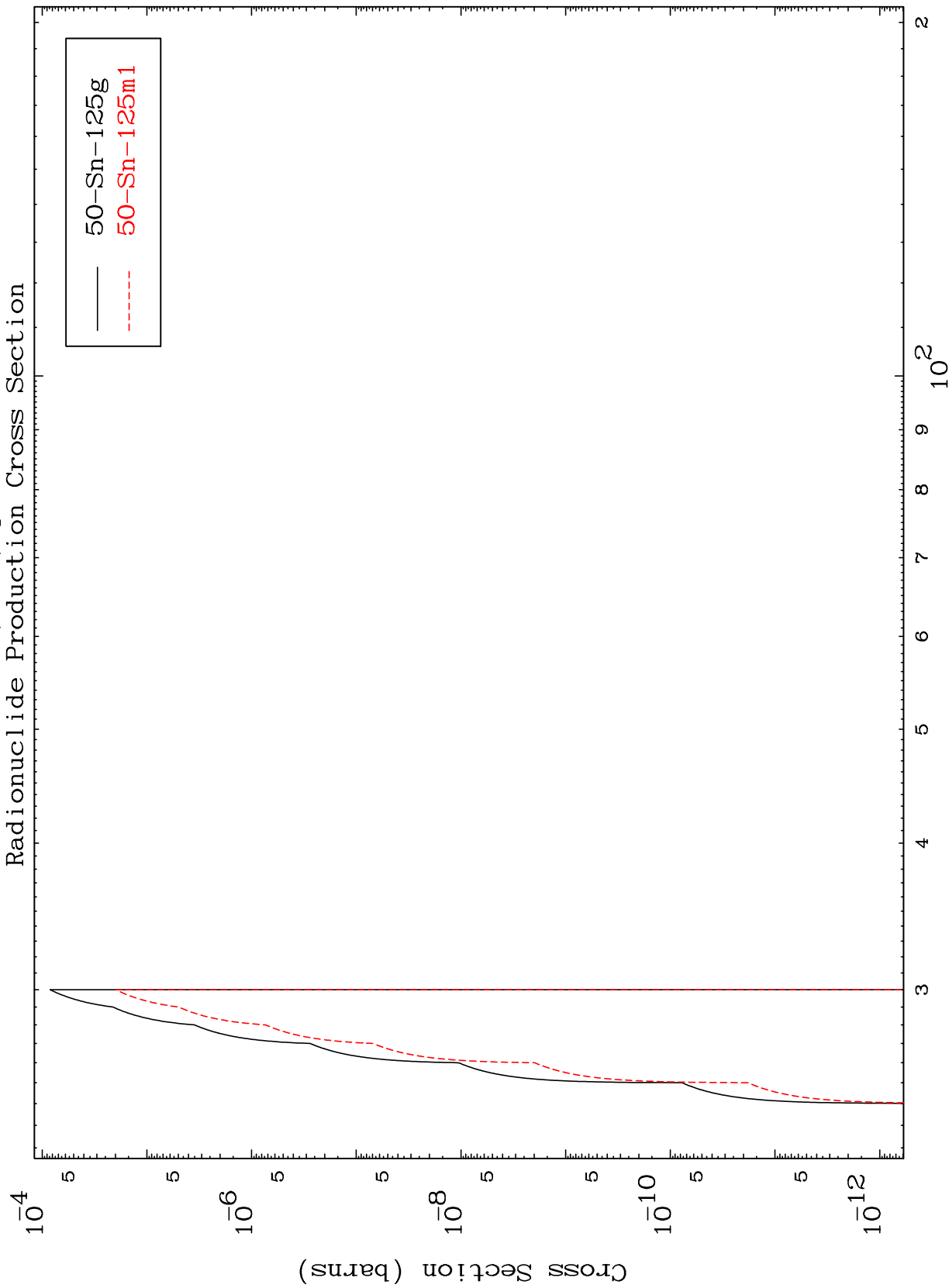
51-Sb-128m

MAT 5147

(n,3n) p

51-Sb-128m

Radionuclide Production Cross Section



28

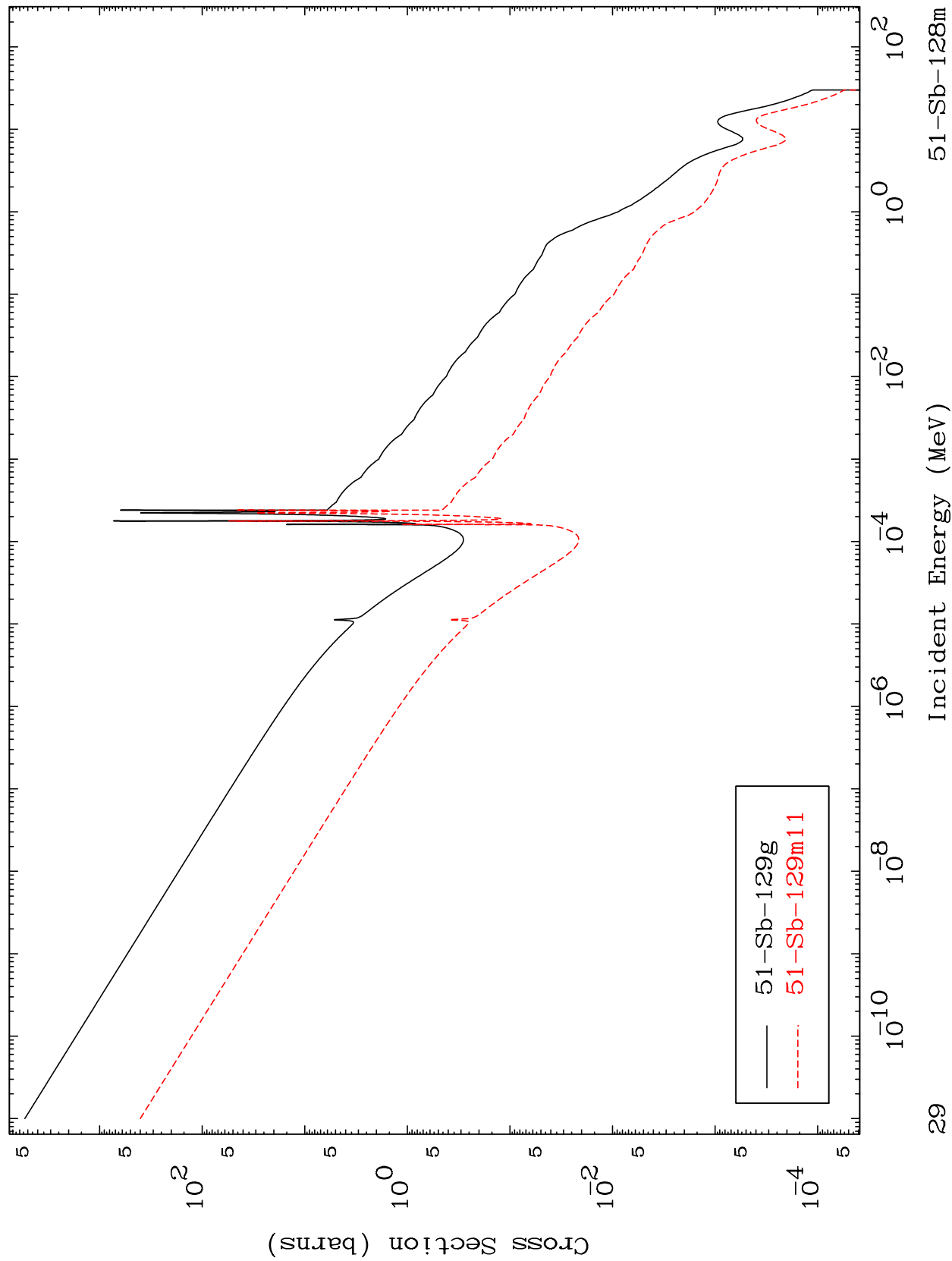
Incident Energy (MeV)

51-Sb-128m

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51-Sb-128m

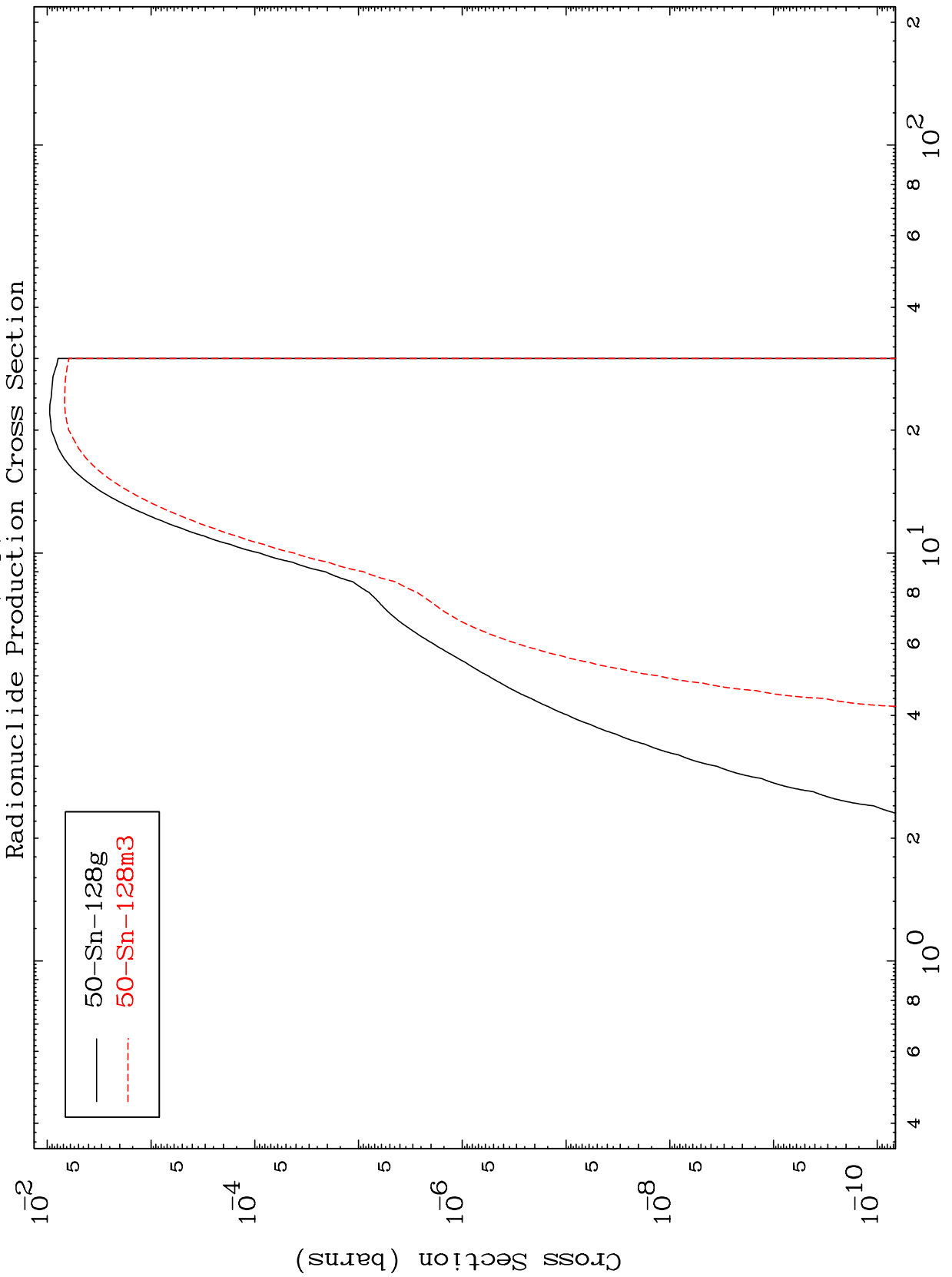
Radionuclide Production Cross Section  
(n,  $\gamma$ )



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51-Sb-128m

(n,p)  
Radionuclide Production Cross Section



— 50-Sn-128g  
- - - 50-Sn-128m3

51-Sb-128m

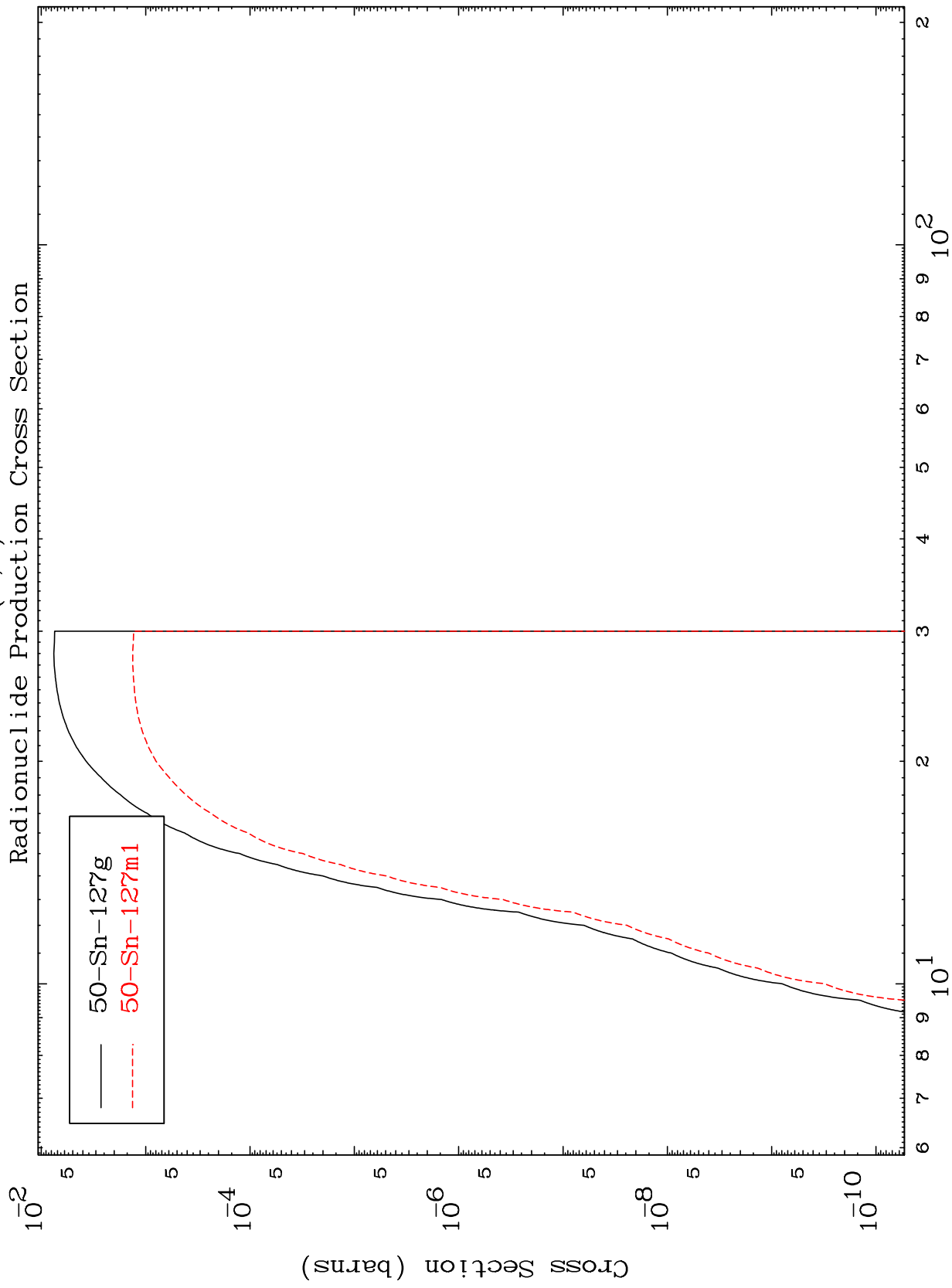
Incident Energy (MeV)

30

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(n,d)

51-Sb-128m



31

Incident Energy (MeV)

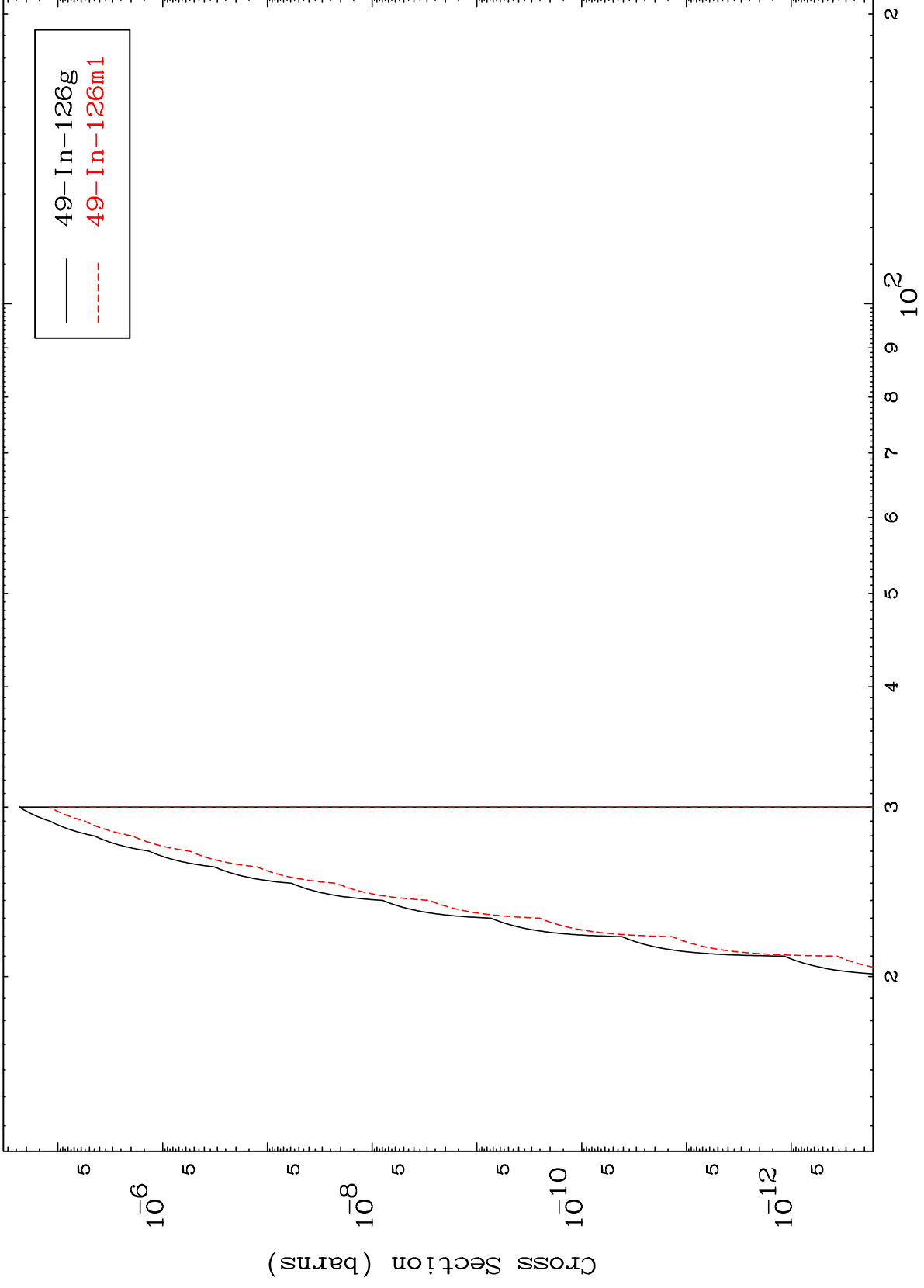
51-Sb-128m

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(n,He-3)

51-Sb-128m

Radionuclide Production Cross Section



32

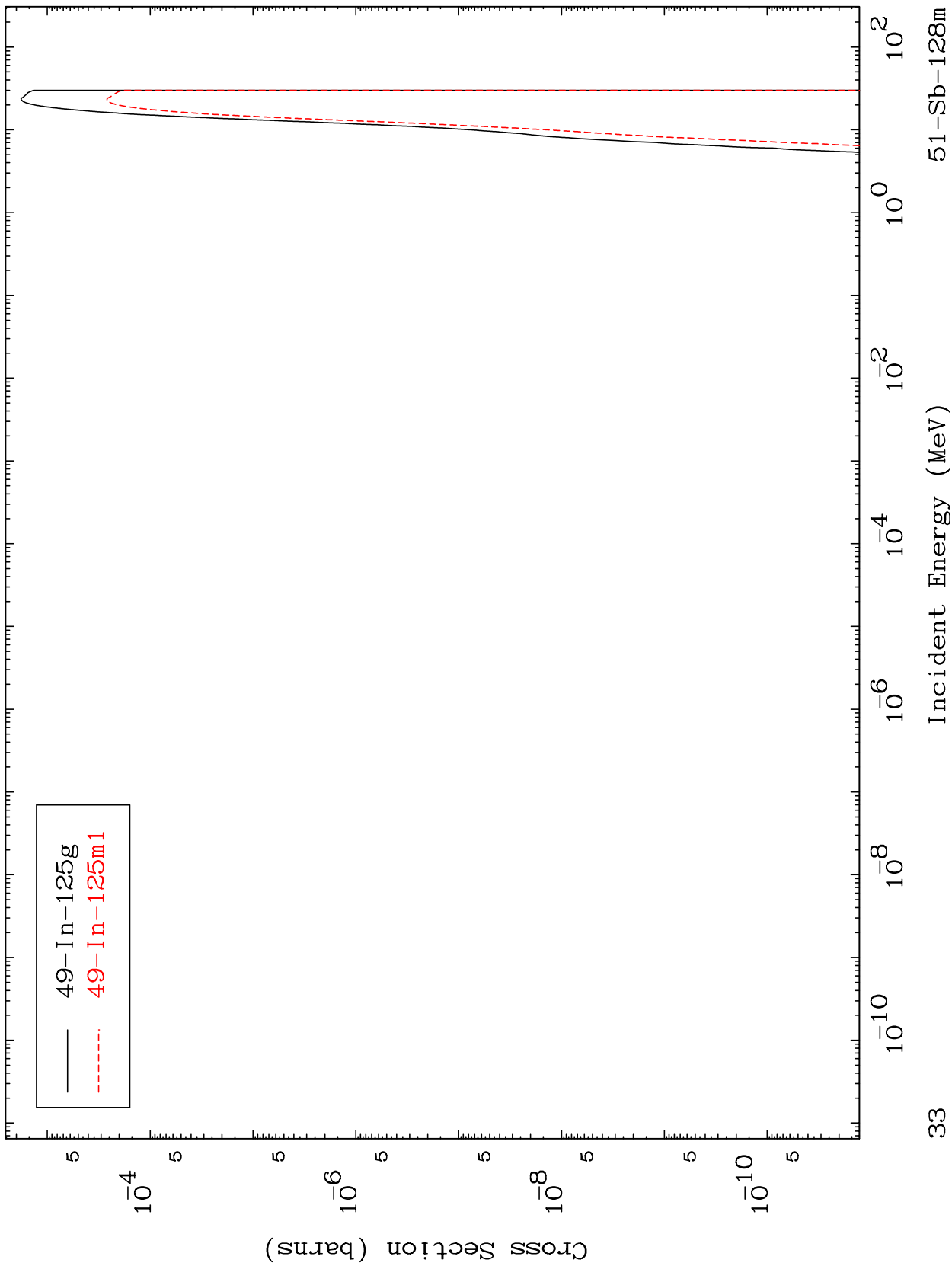
Incident Energy (MeV)

51-Sb-128m

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51-Sb-128m

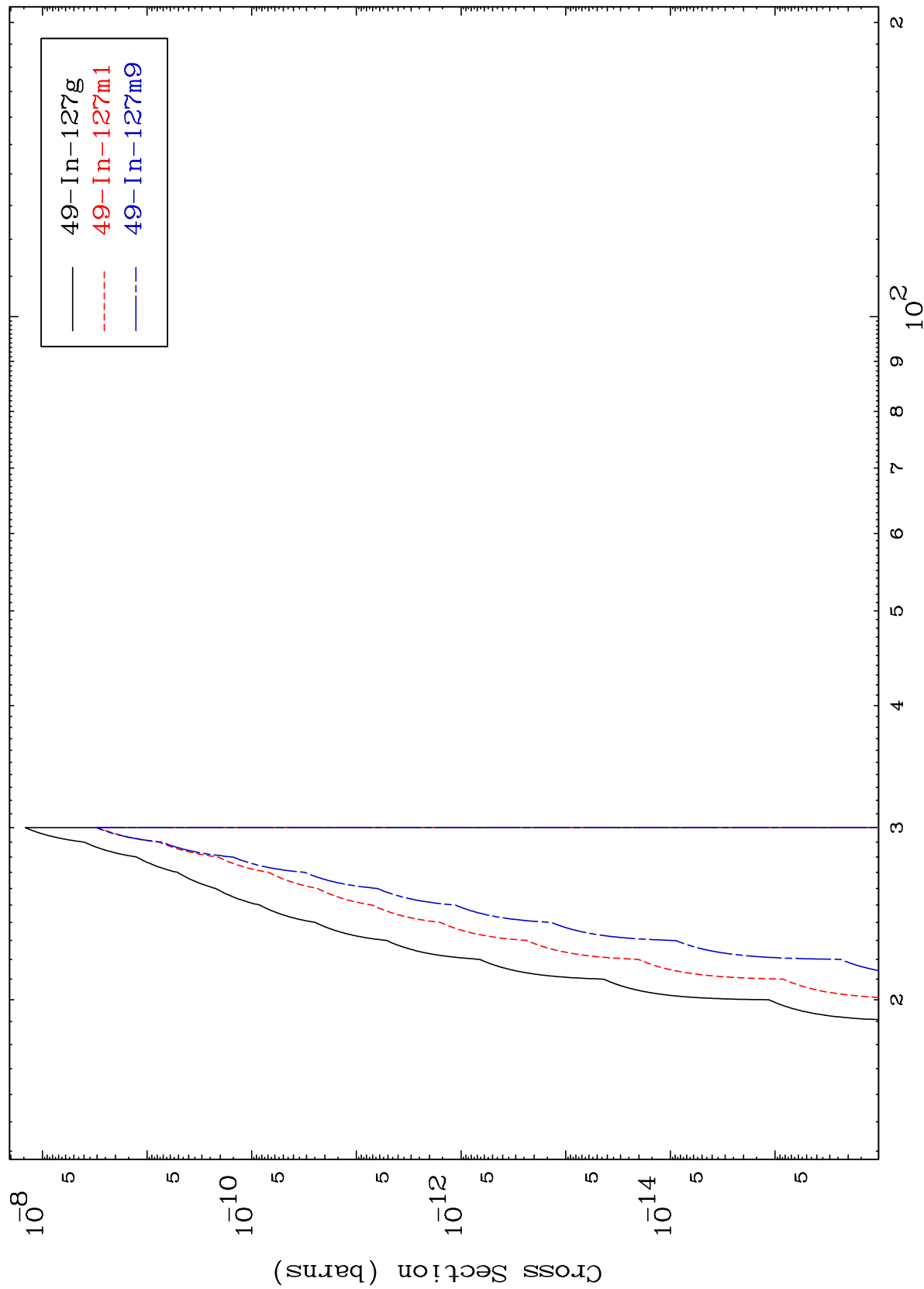
Radionuclide Production Cross Section



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51-Sb-128m

(n,2p)  
Radionuclide Production Cross Section



51-Sb-128m

Incident Energy (MeV)

34