

Program EVALPLOT  
(Version 2021-1)

by

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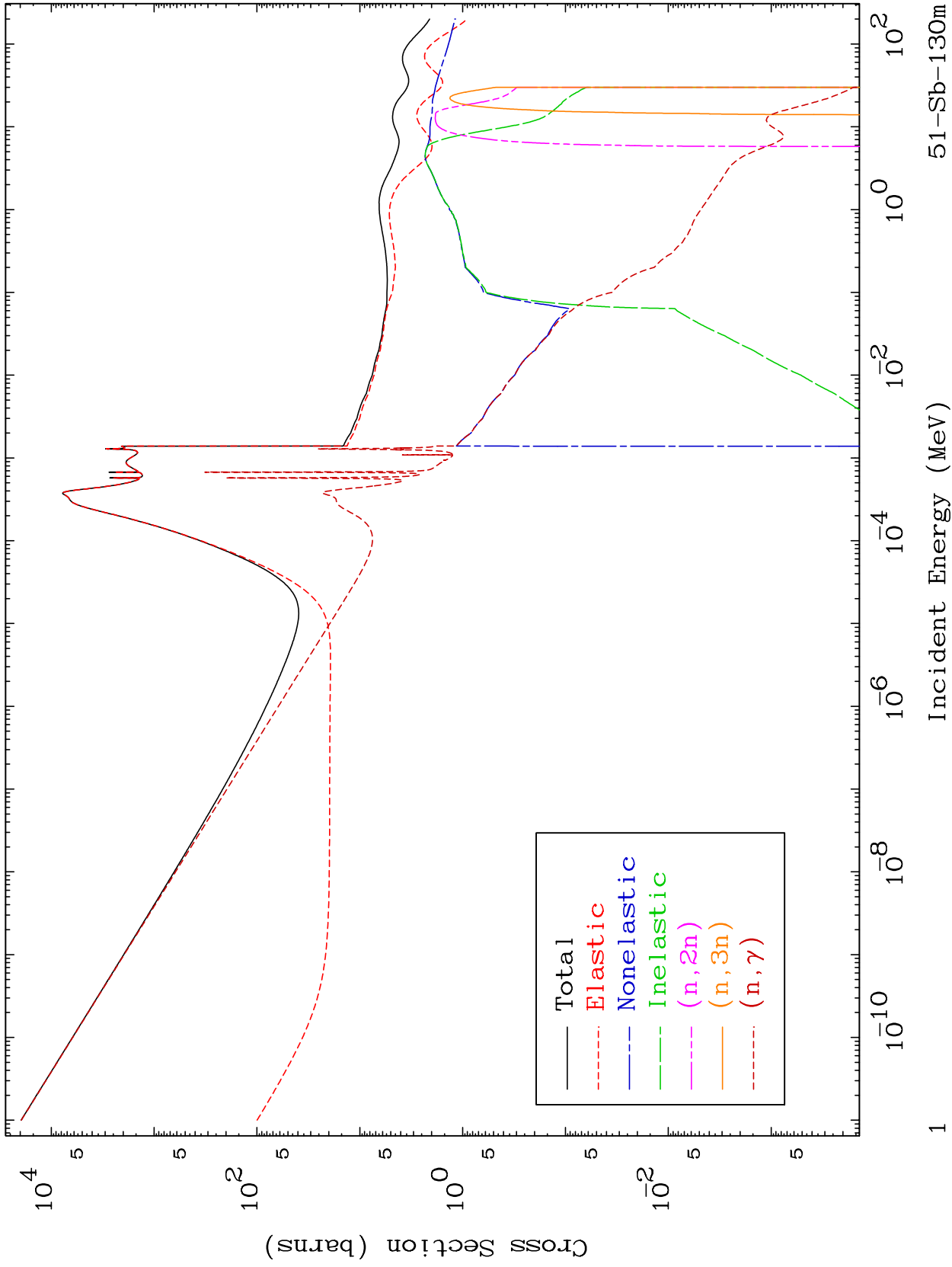
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5153

Neutron Major  
293 Kelvin Cross Sections

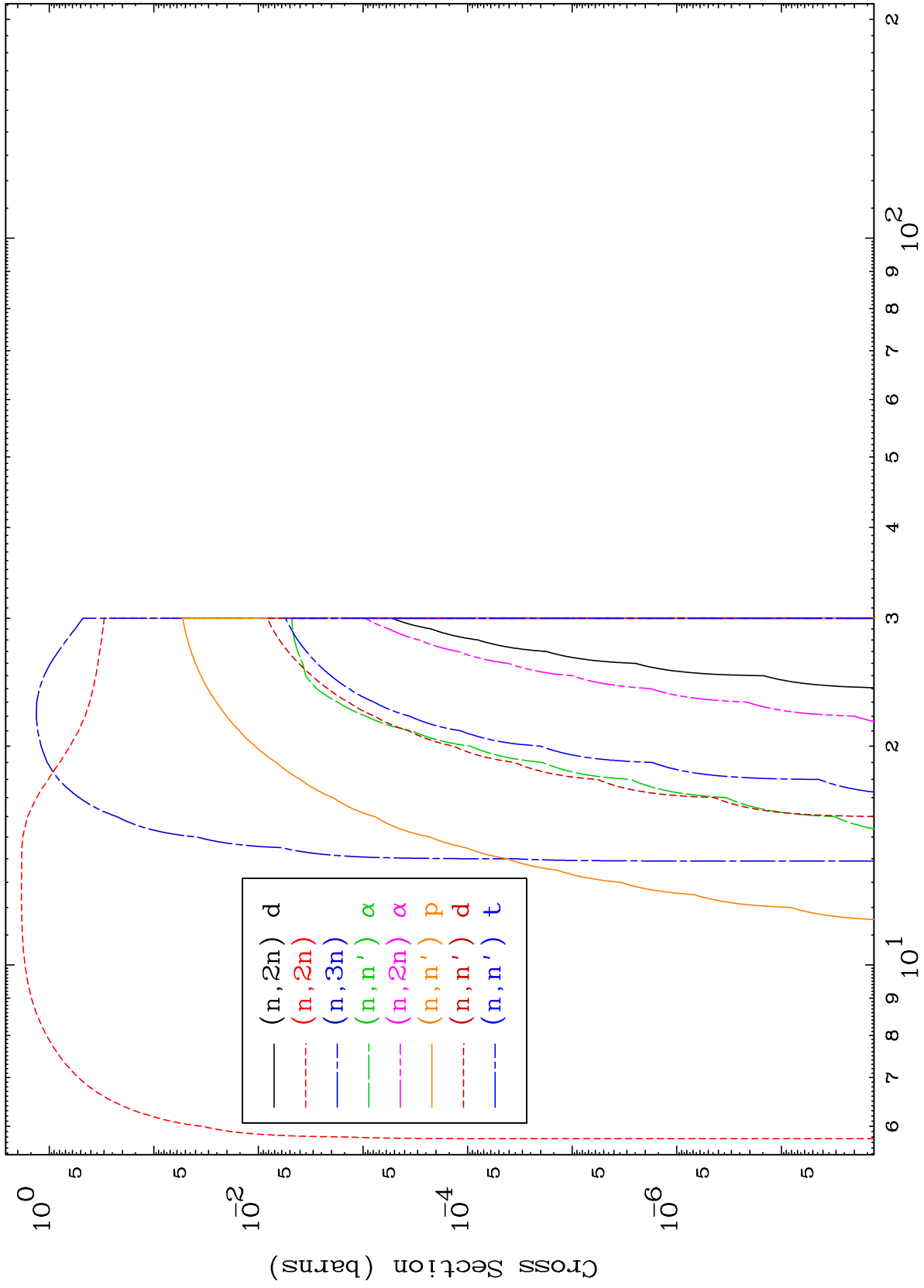
51-Sb-130m



MAT 5153

Neutron Absorption  
293 Kelvin Cross Sections

51-Sb-130m



2

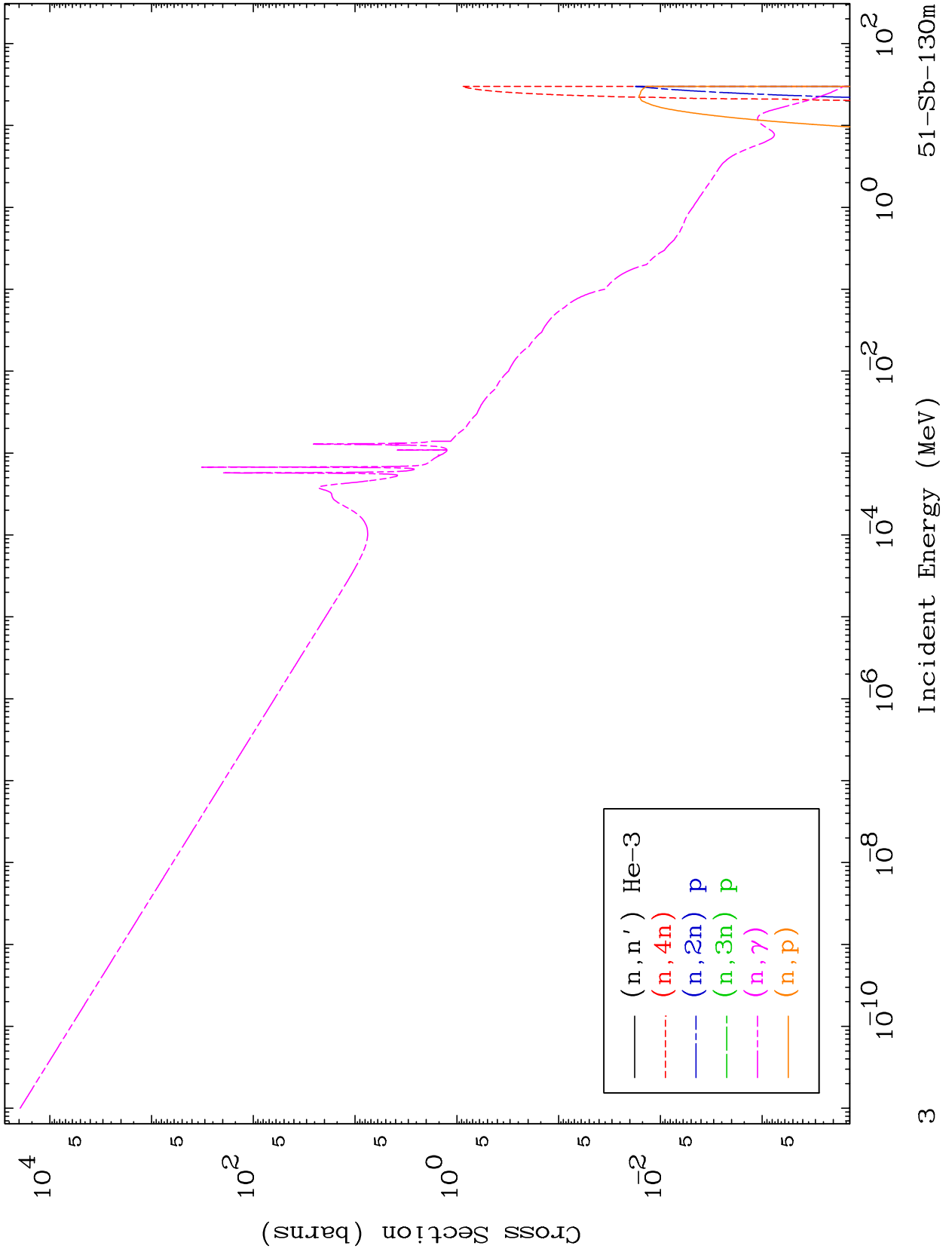
Incident Energy (MeV)

51-Sb-130m

MAT 5153

Neutron Absorption  
293 Kelvin Cross Sections

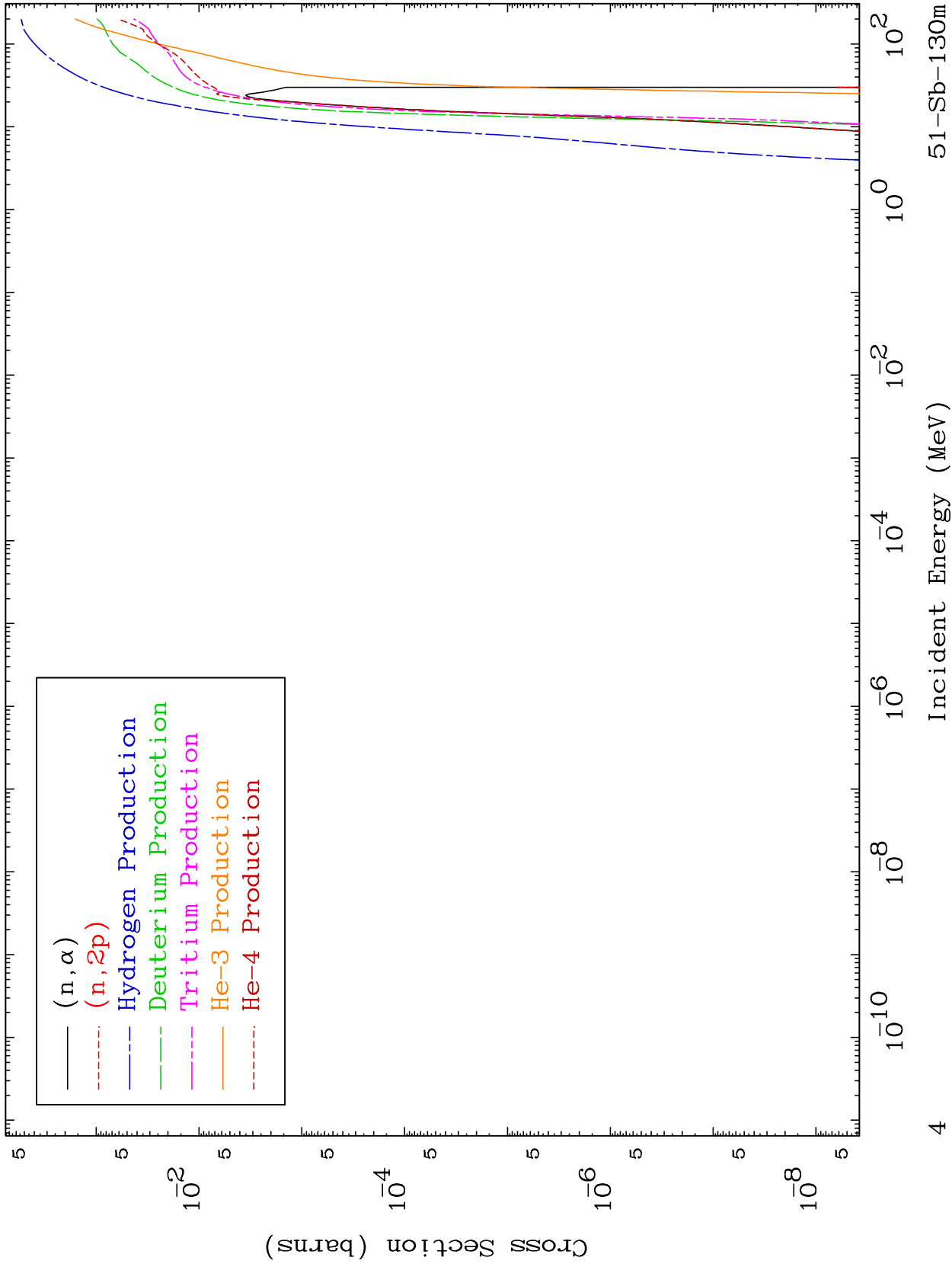
51-Sb-130m



MAT 5153

Neutron Absorption  
293 Kelvin Cross Sections

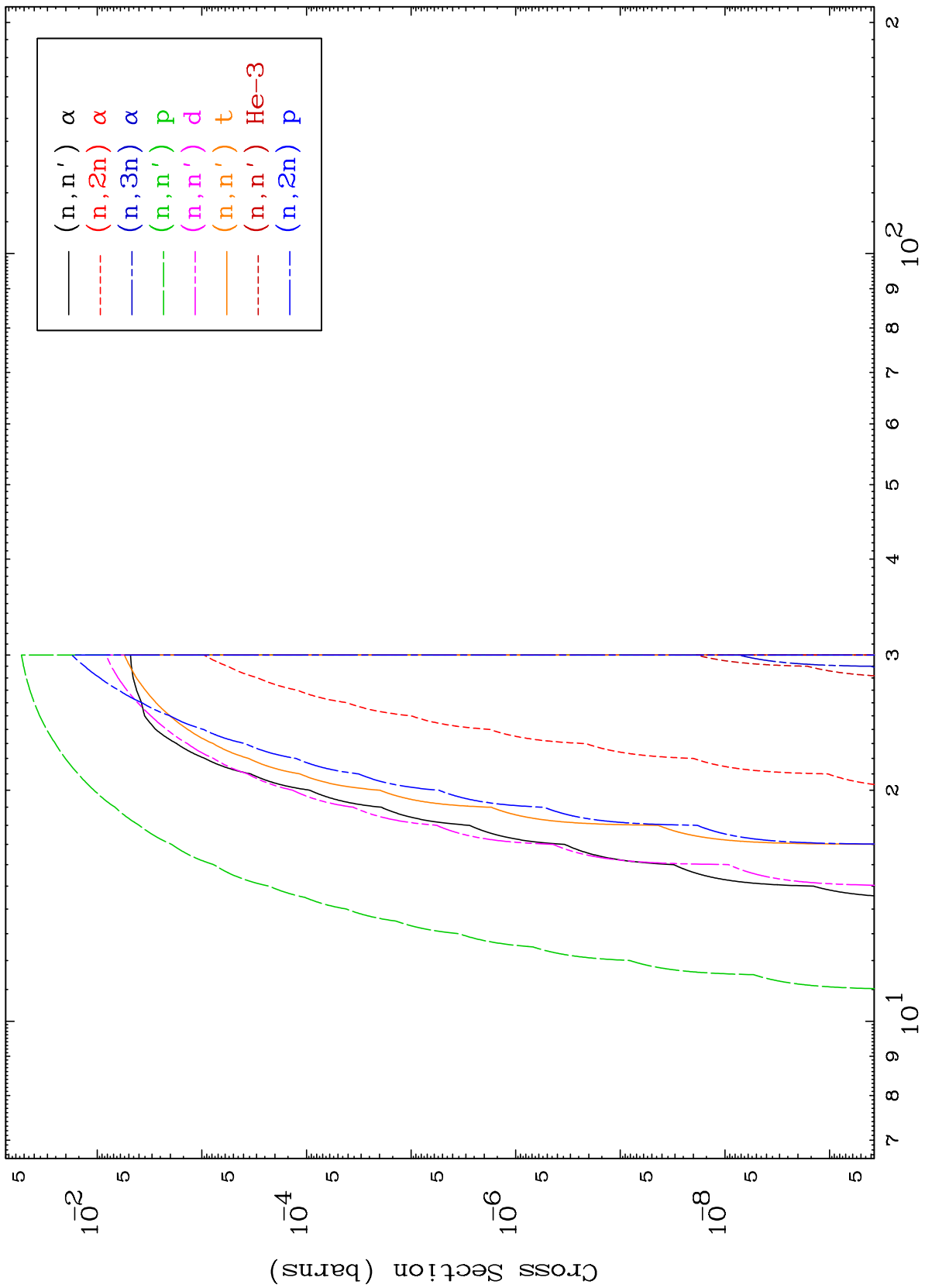
51-Sb-130m



MAT 5153

Charged Particle  
293 Kelvin Cross Sections

51-Sb-130m



5

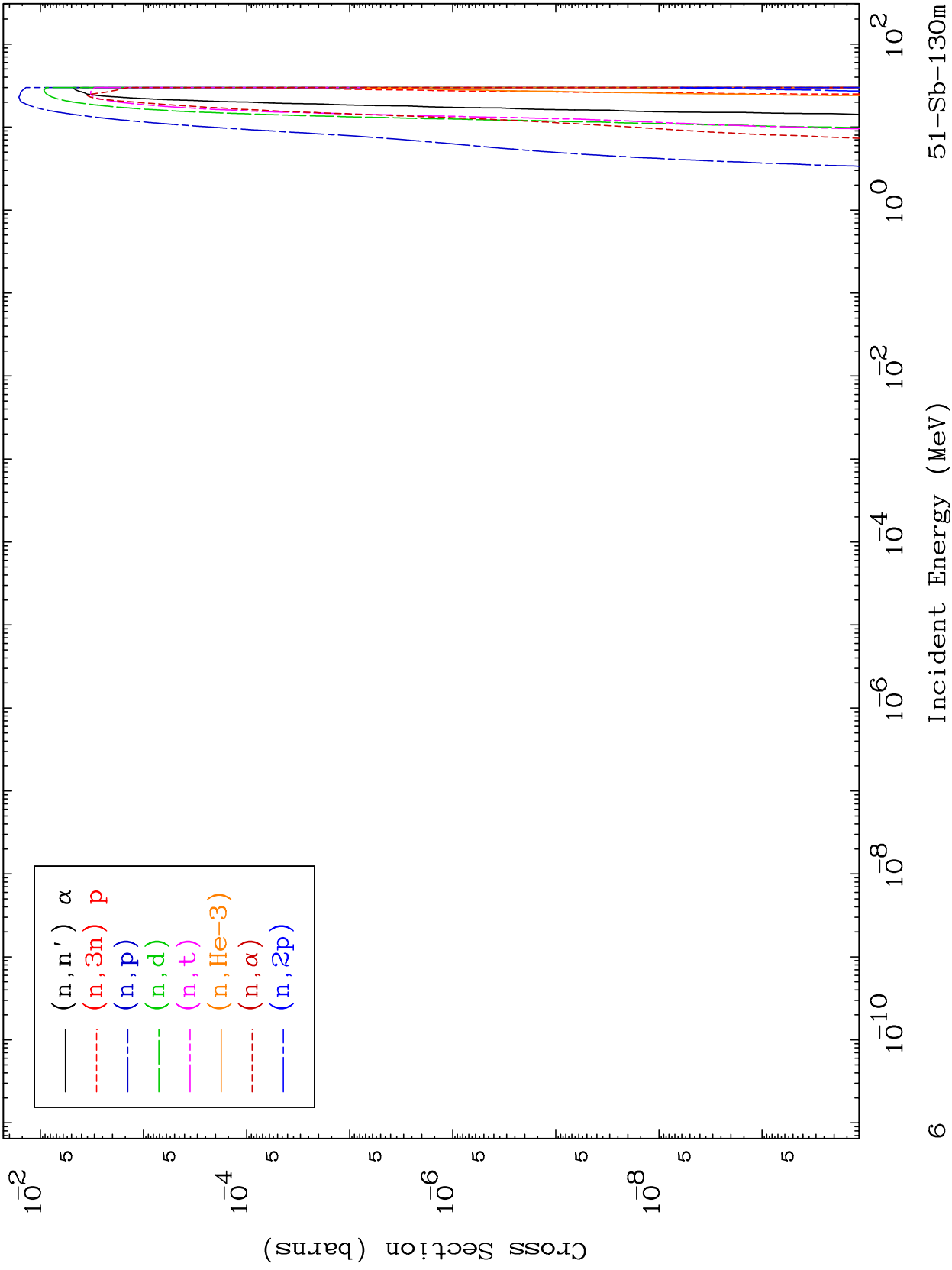
Incident Energy (MeV)

51-Sb-130m

MAT 5153

Charged Particle  
293 Kelvin Cross Sections

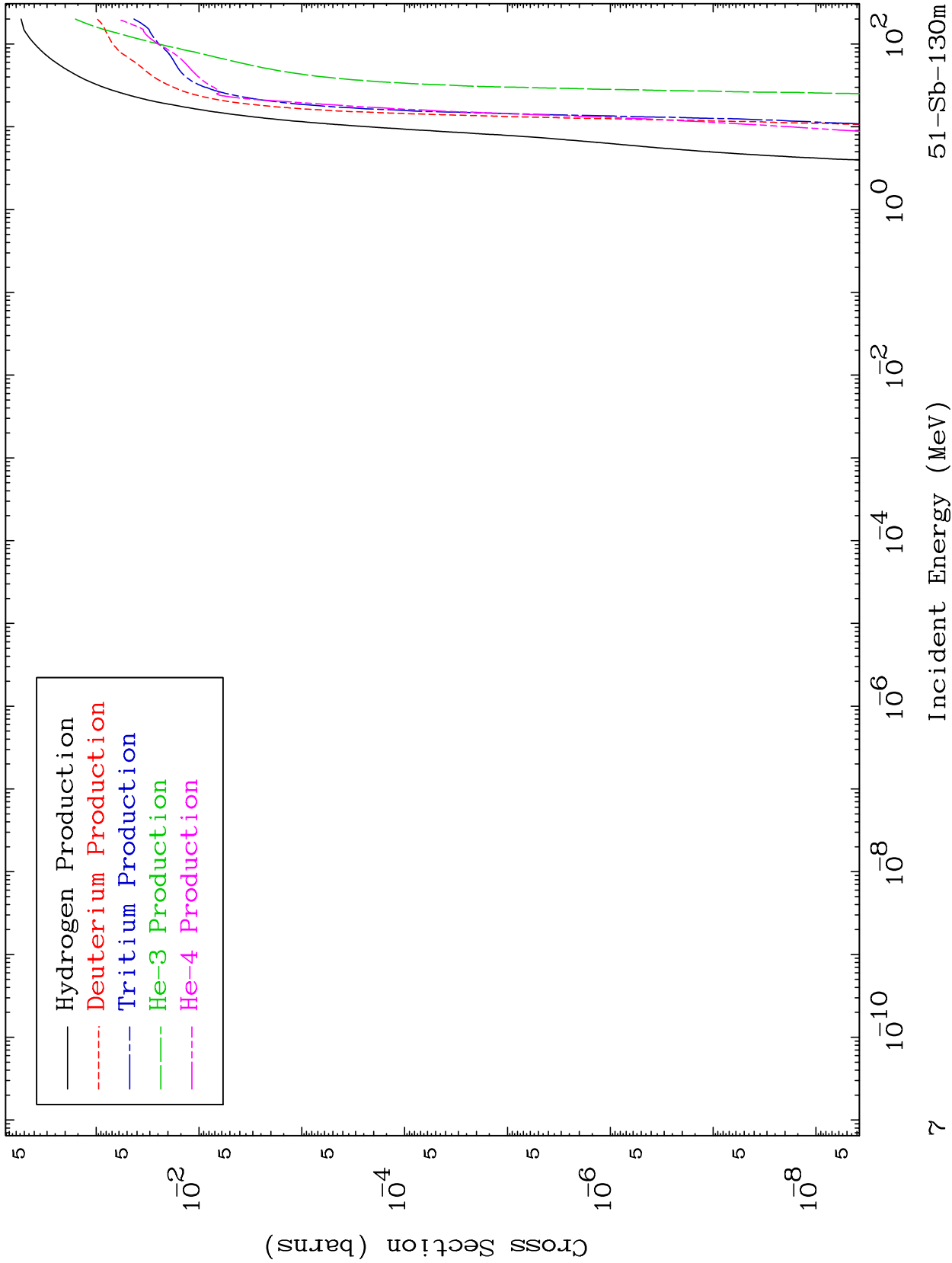
51-Sb-130m



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Particle Production  
293 Kelvin Cross Sections

51-Sb-130m

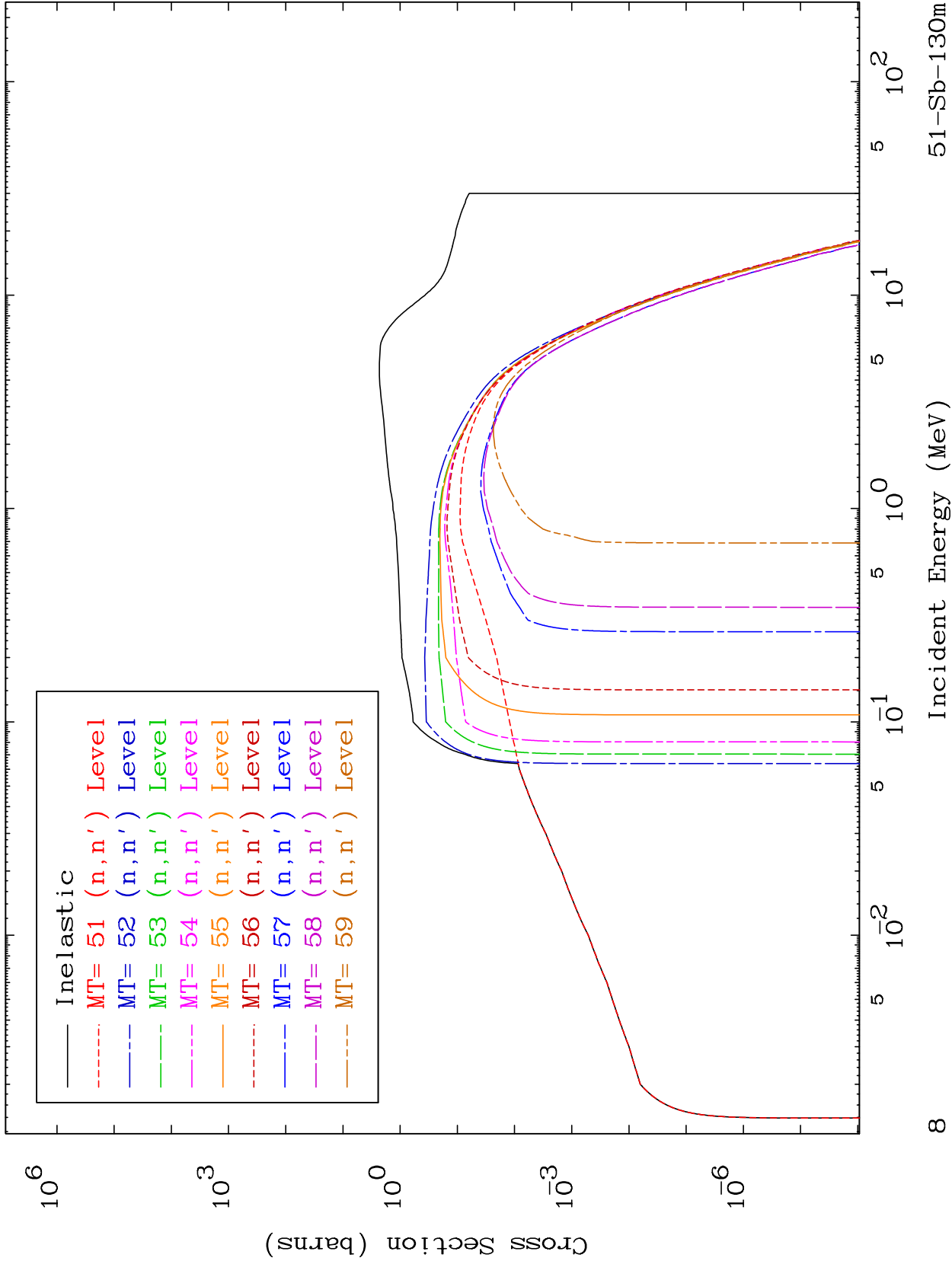




MAT 5153

(n,n') Levels  
293 Kelvin Cross Sections

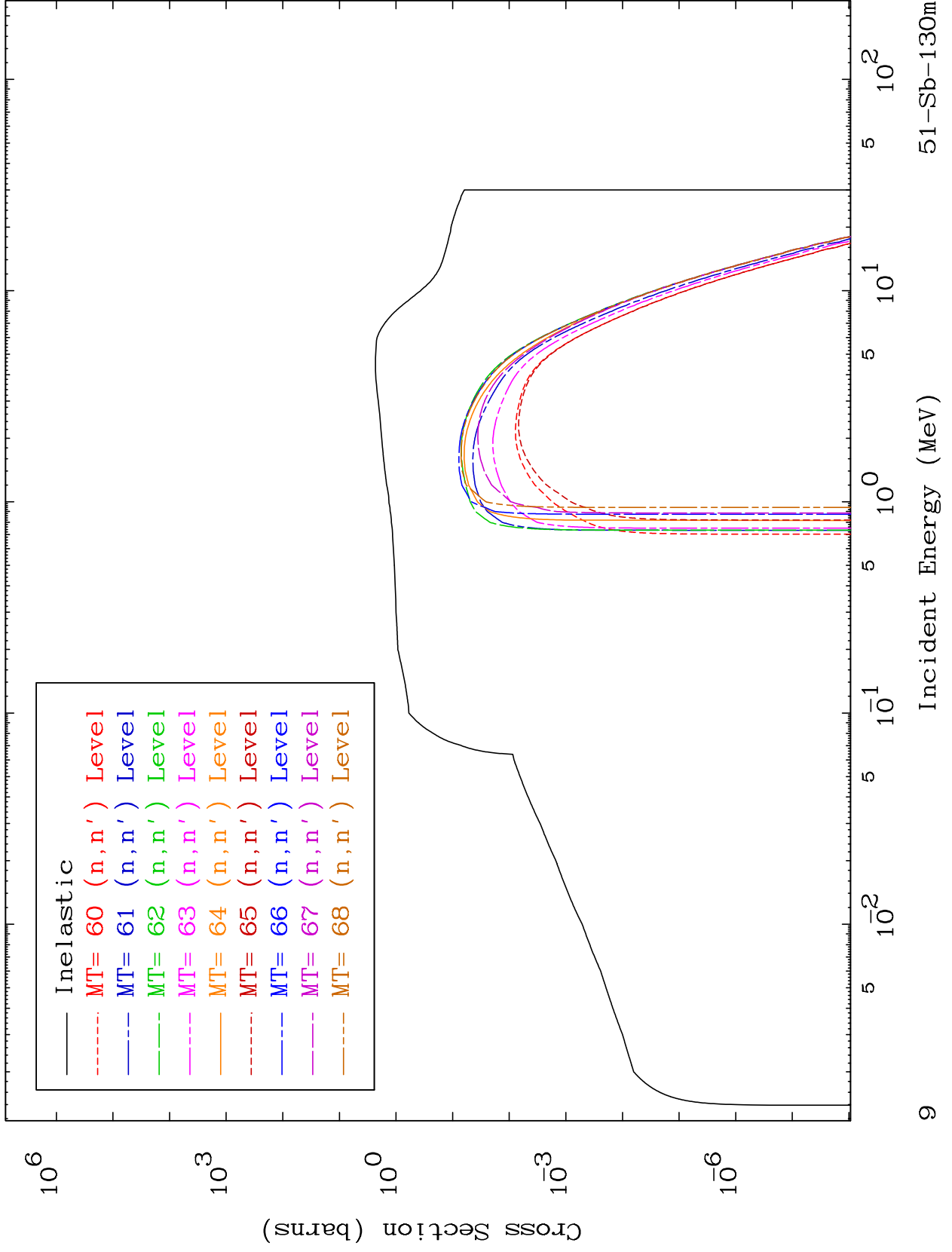
51-Sb-130m



MAT 5153

(n,n') Levels  
293 Kelvin Cross Sections

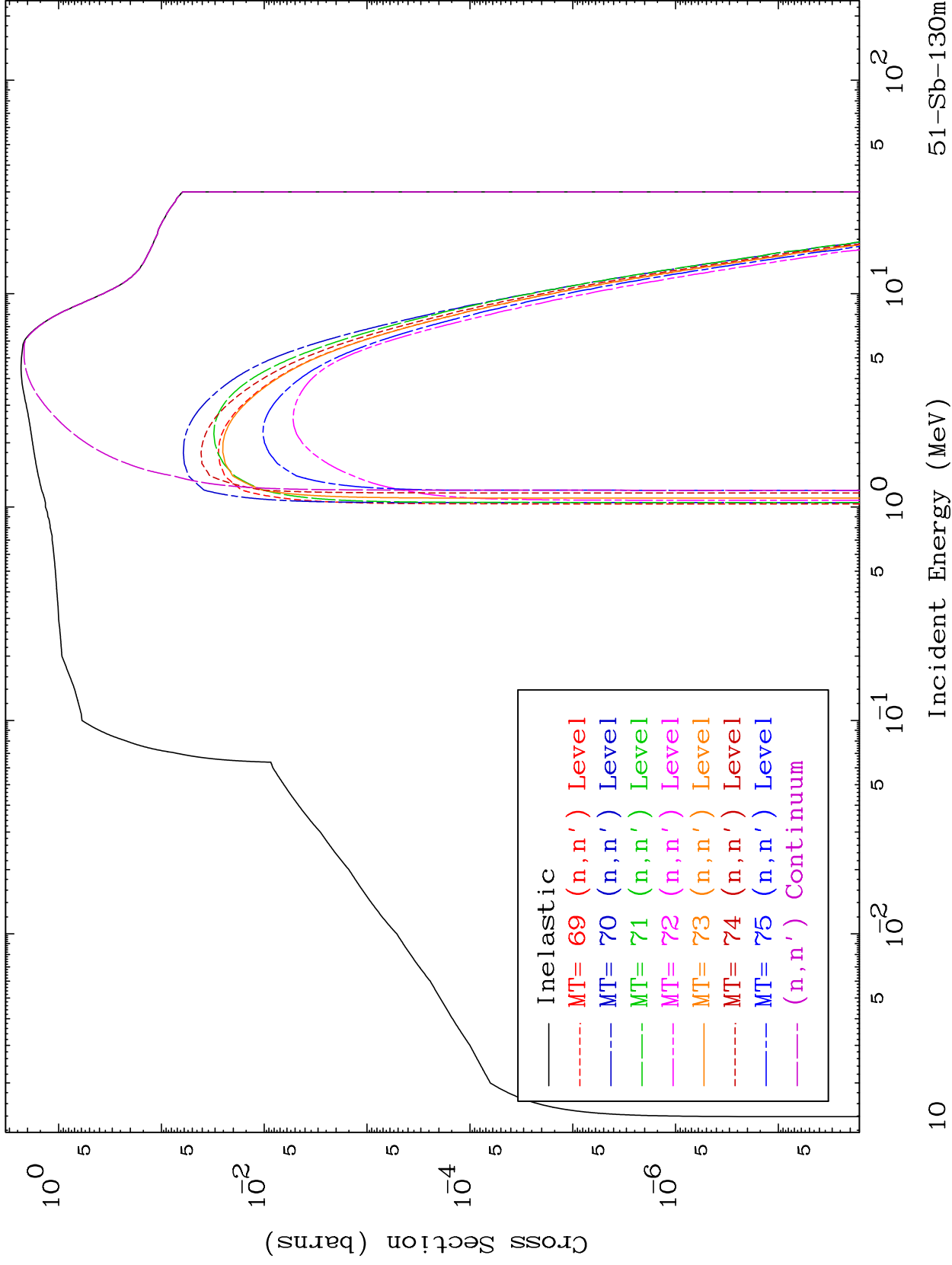
51-Sb-130m



MAT 5153

(n,n') Levels  
293 Kelvin Cross Sections

51-Sb-130m



10

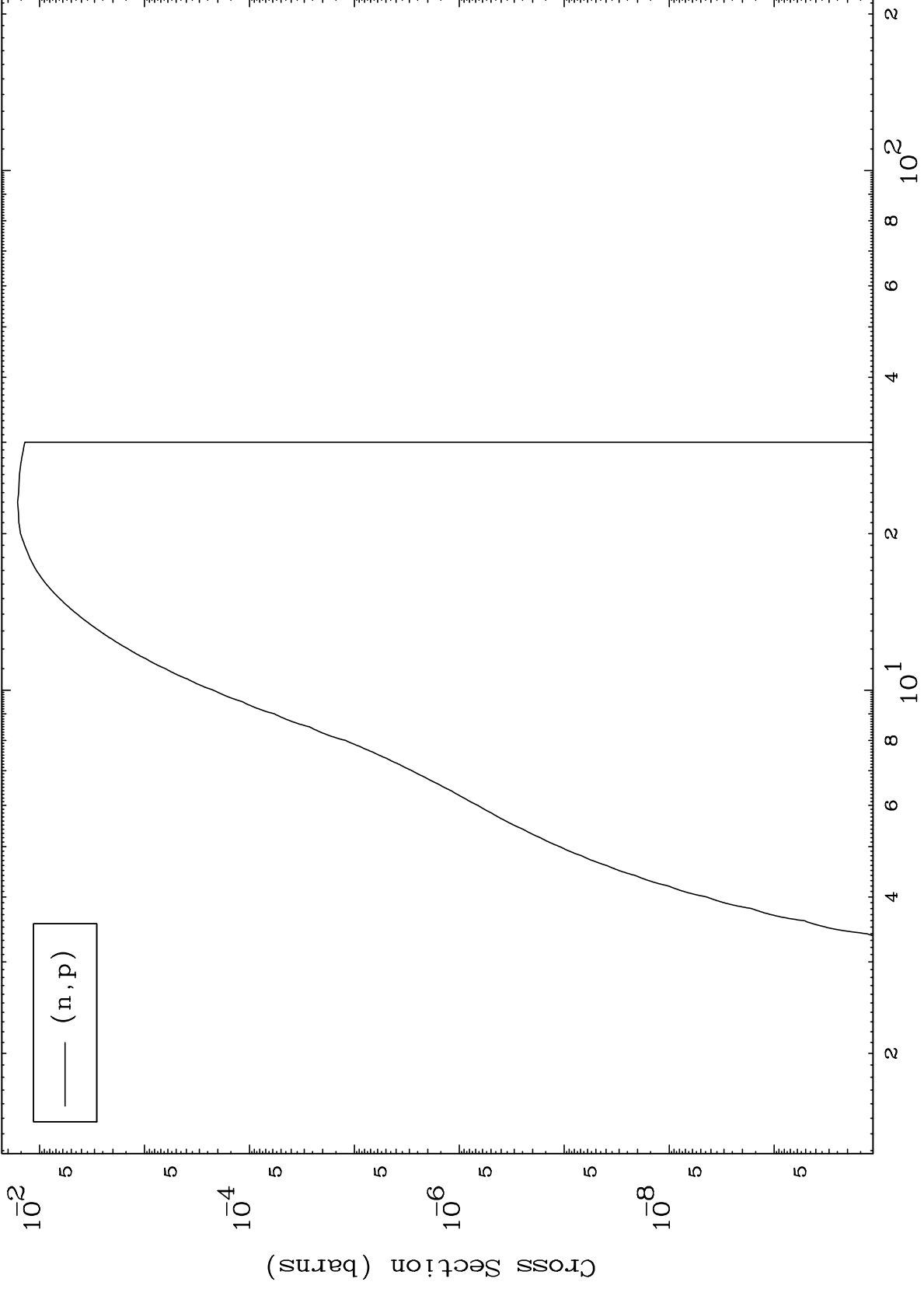
Incident Energy (MeV)

51-Sb-130m

MAT 5153

(n,p) Levels  
293 Kelvin Cross Sections

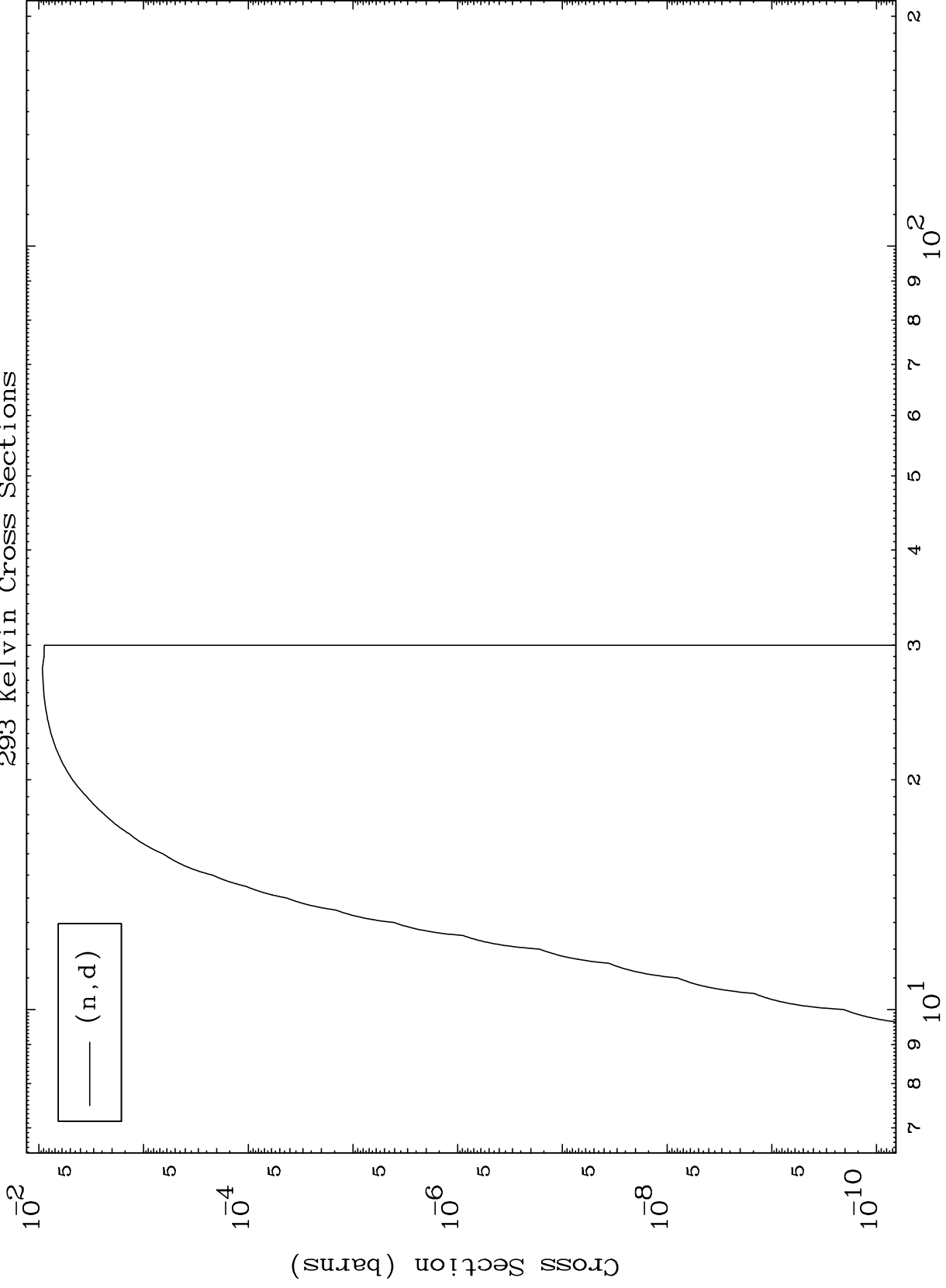
51-Sb-130m



MAT 5153

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-130m



12

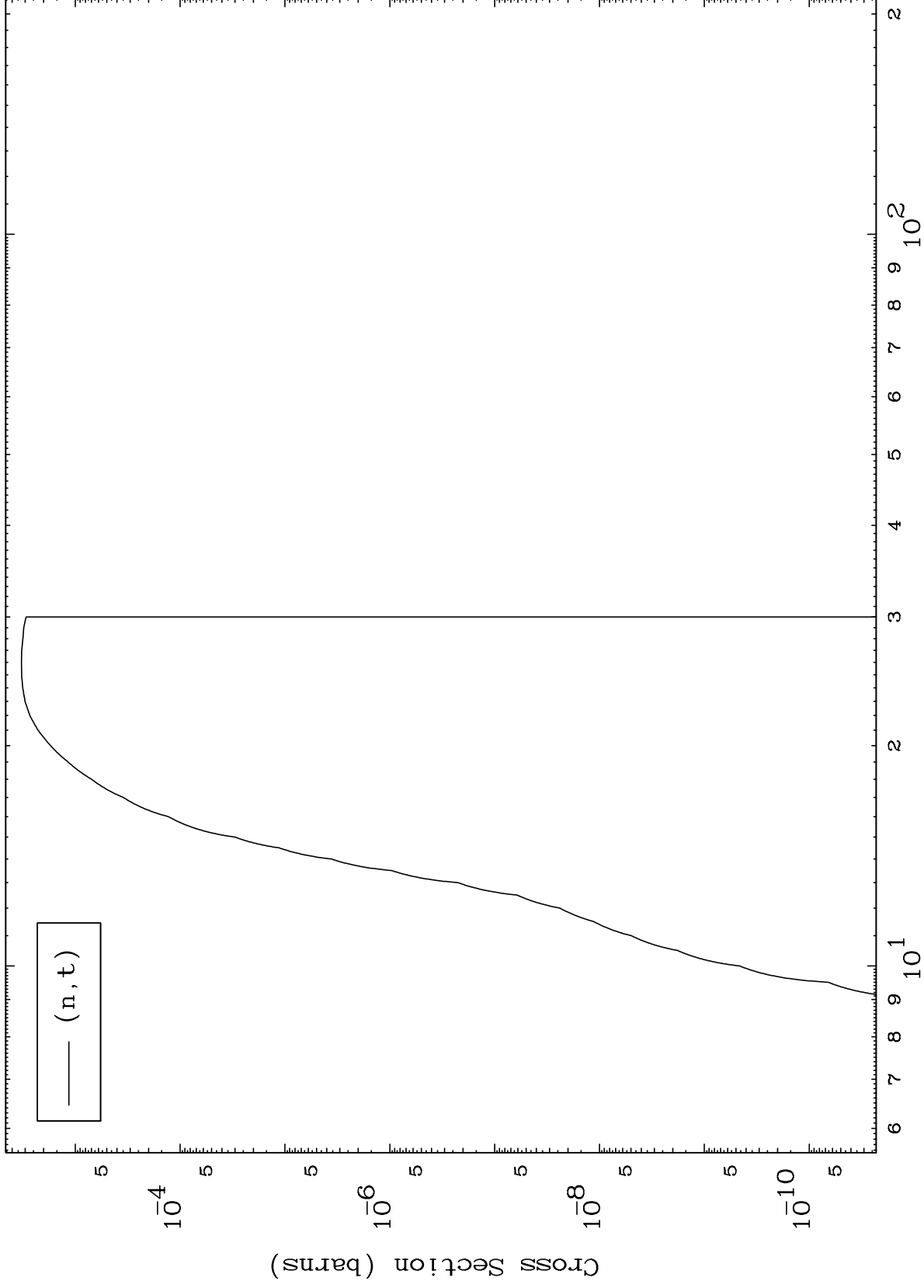
Incident Energy (MeV)

51-Sb-130m

MAT 5153

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-130m



13

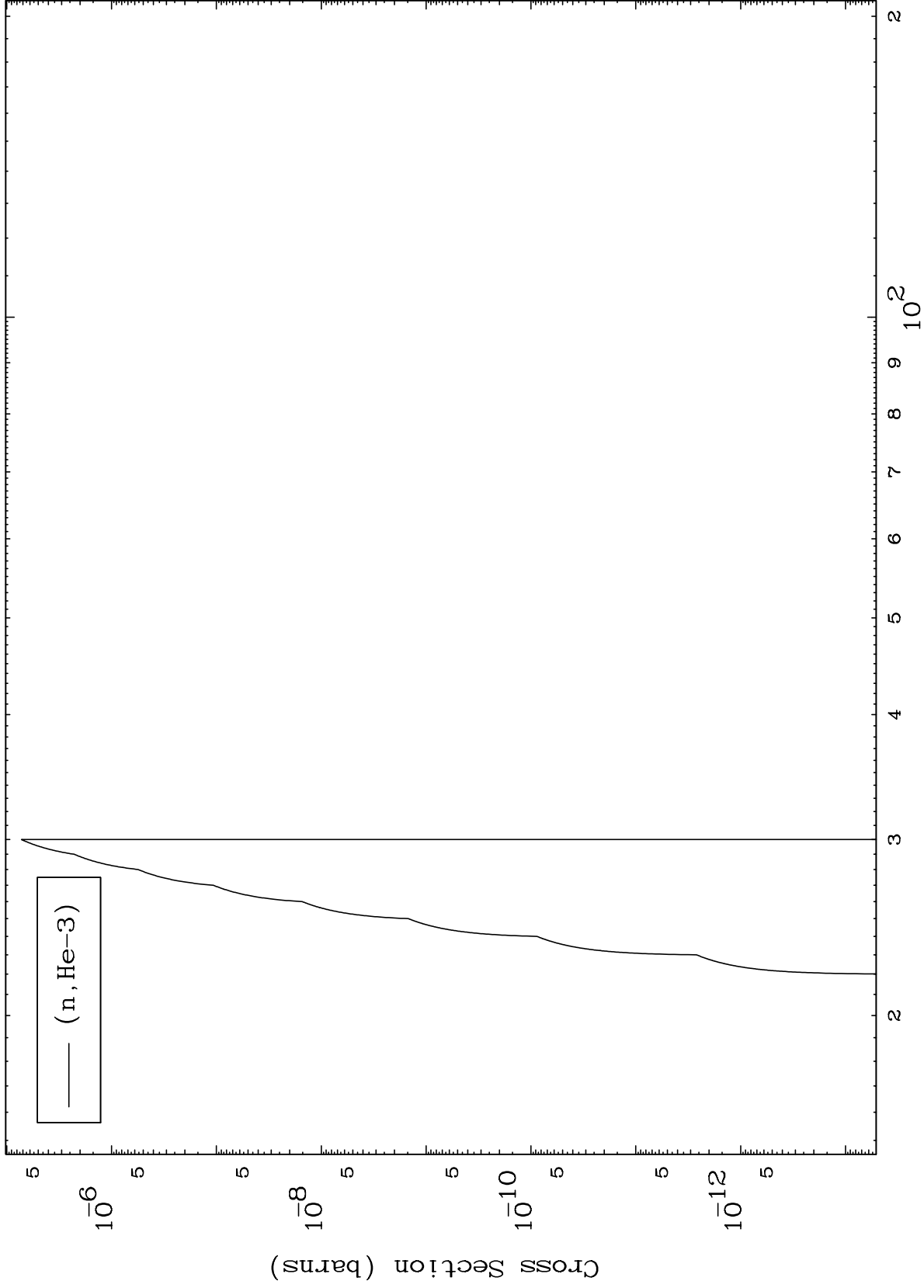
Incident Energy (MeV)

51-Sb-130m

MAT 5153

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-130m



14

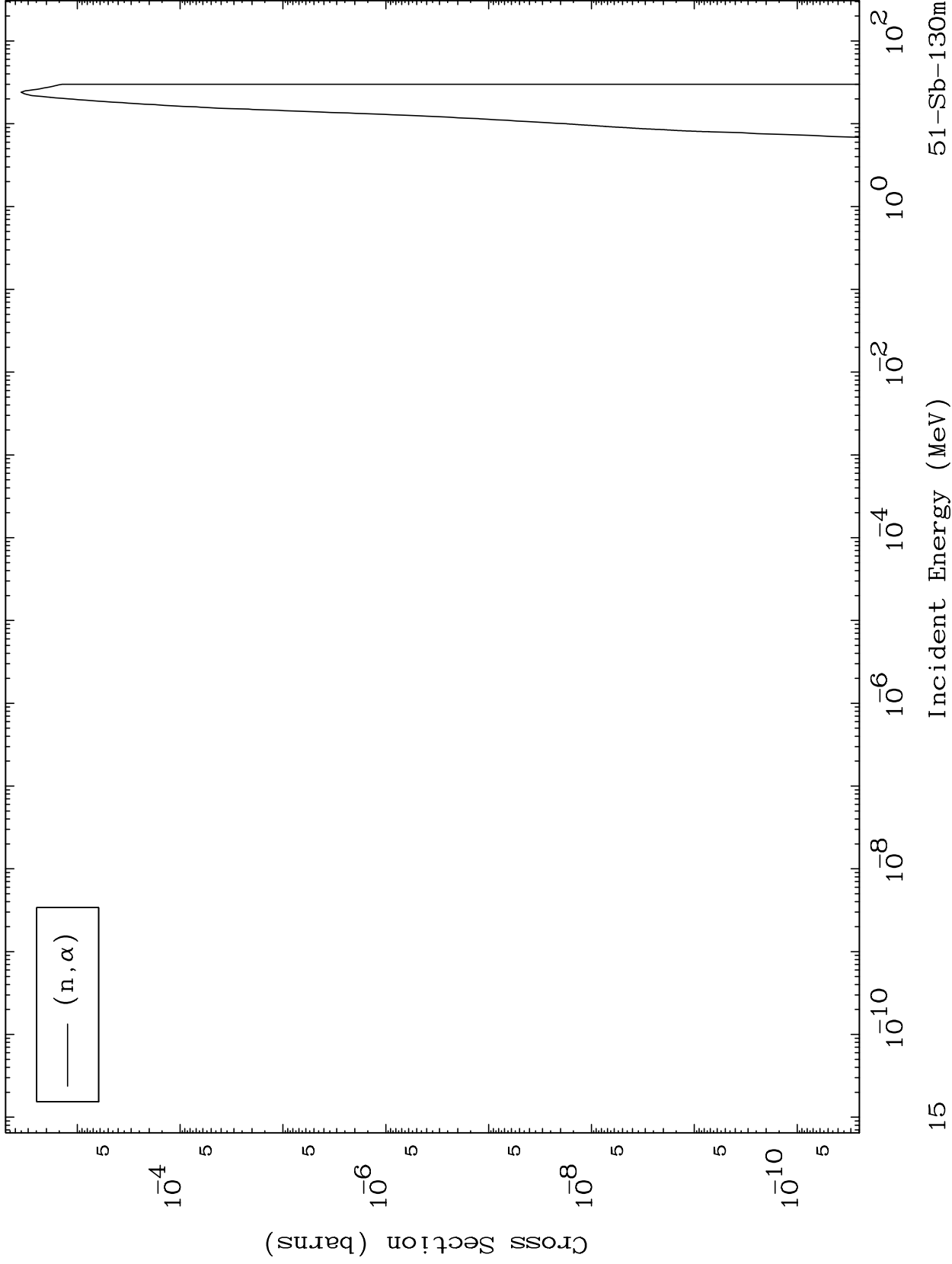
Incident Energy (MeV)

51-Sb-130m

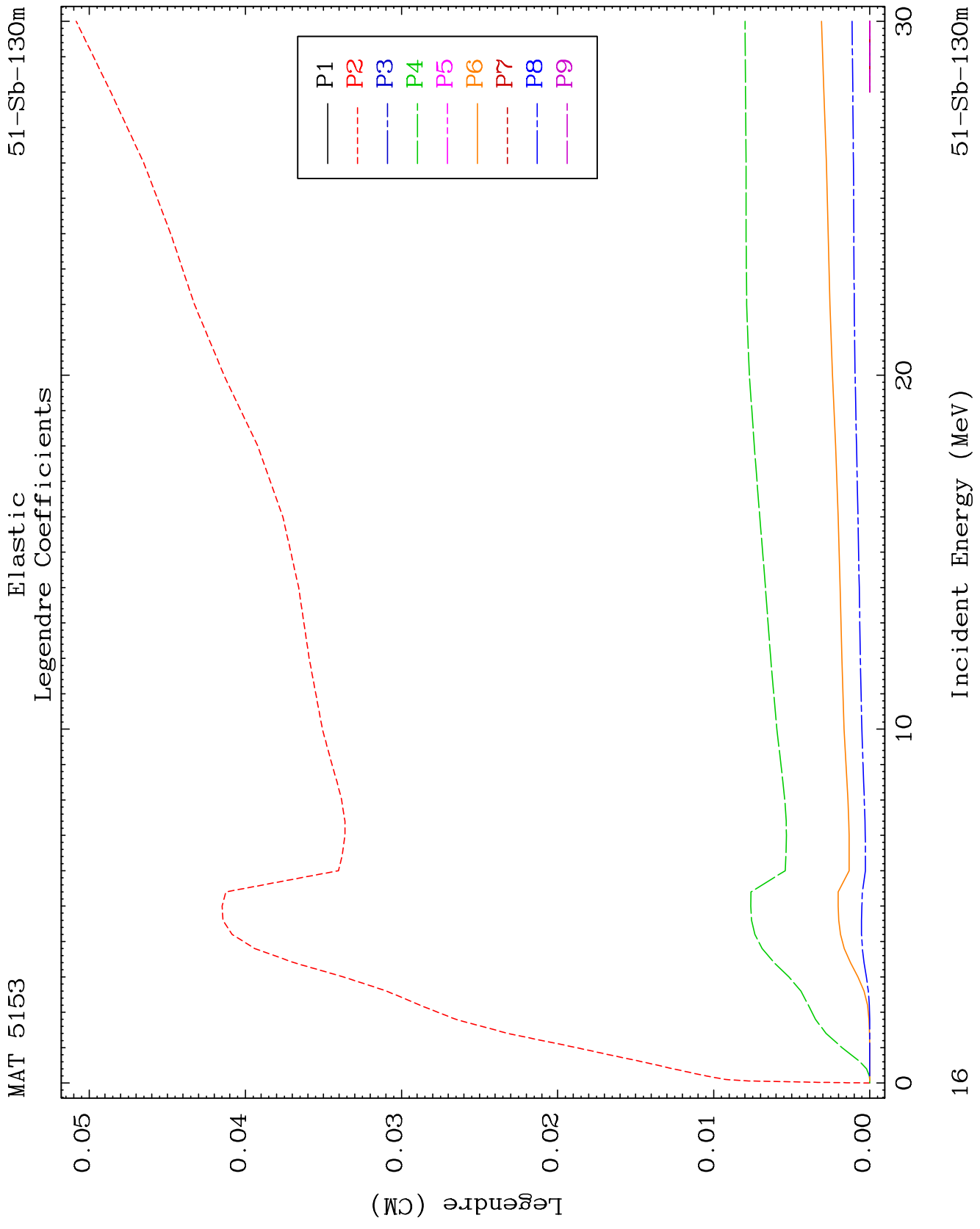
MAT 5153

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

51-Sb-130m







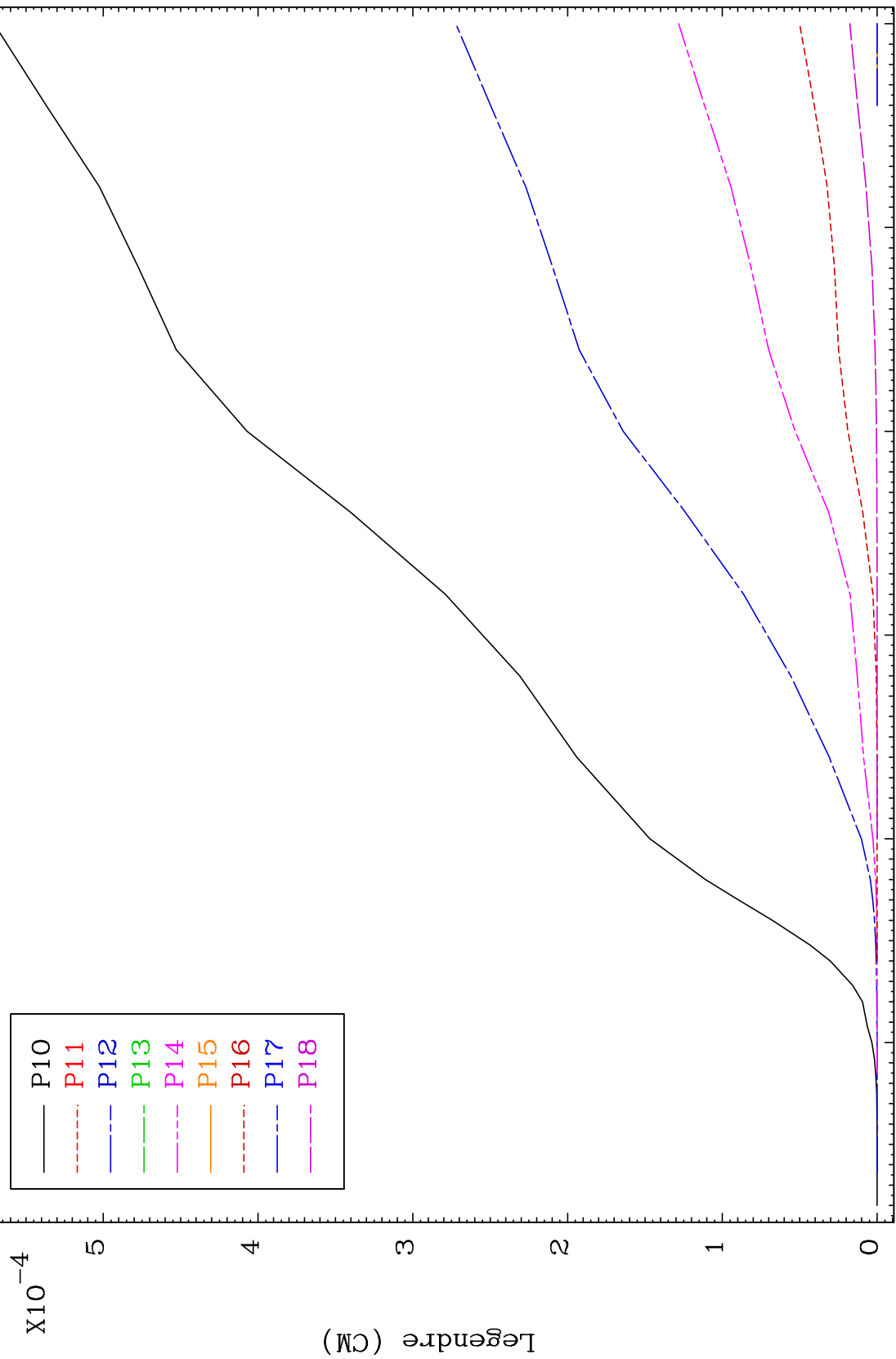
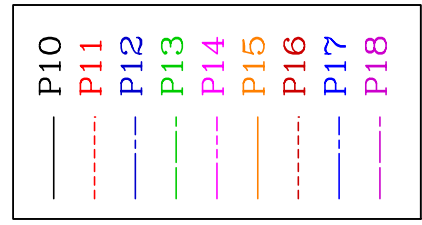
MAT 5153

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Elastic Legendre Coefficients

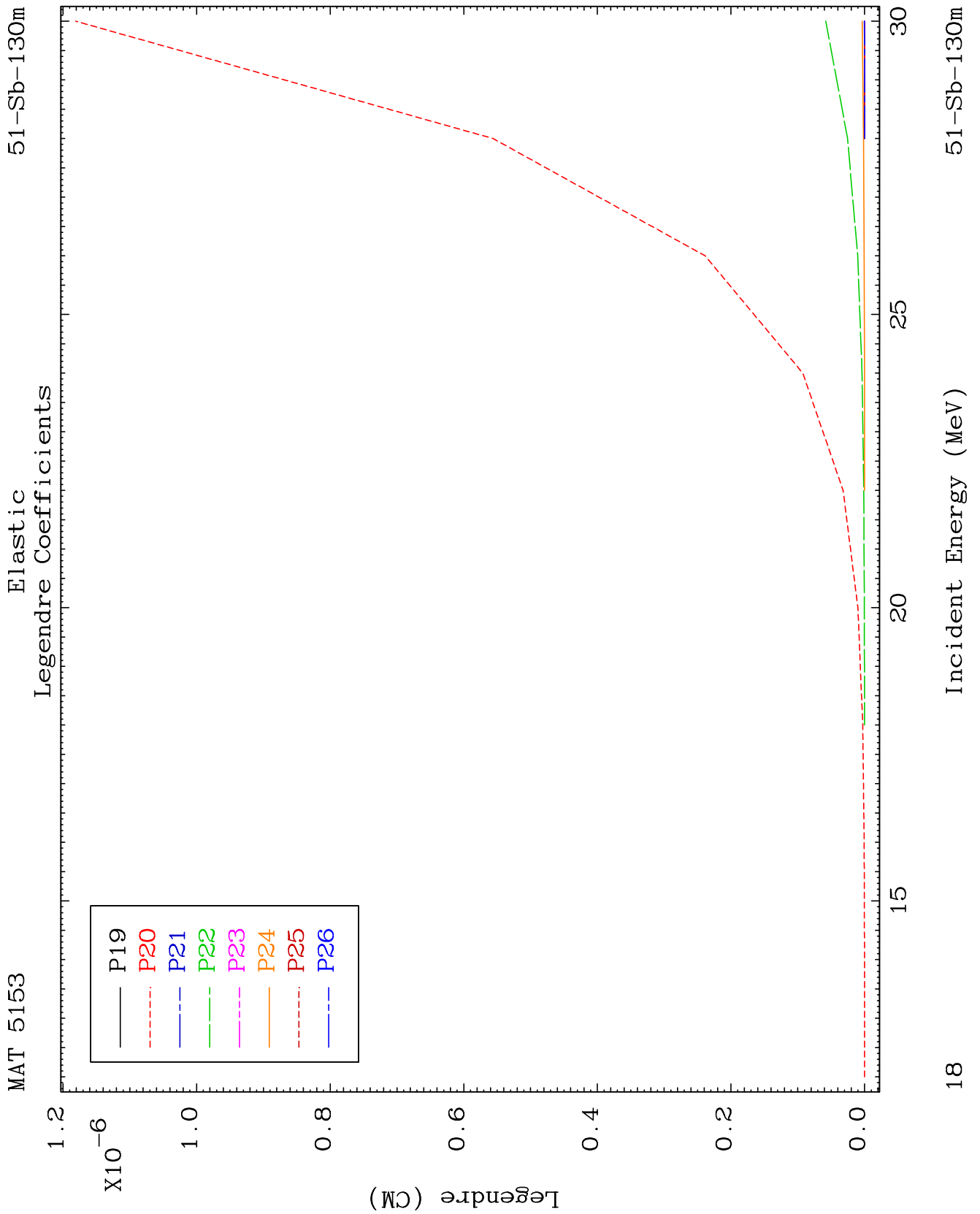
51-Sb-130m



17

Incident Energy (MeV)

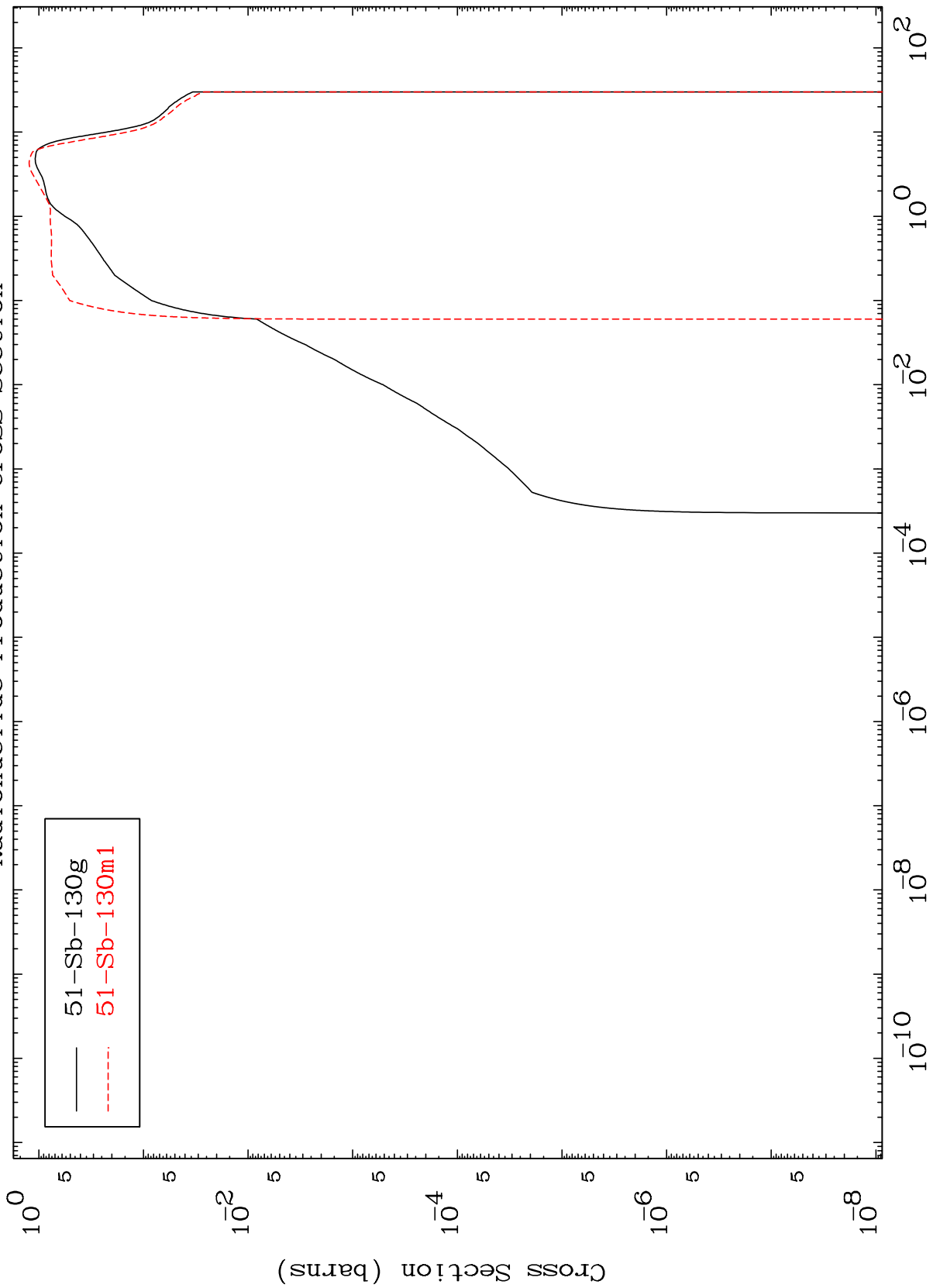
51-Sb-130m



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51-Sb-130m

Inelastic  
Radionuclide Production Cross Section

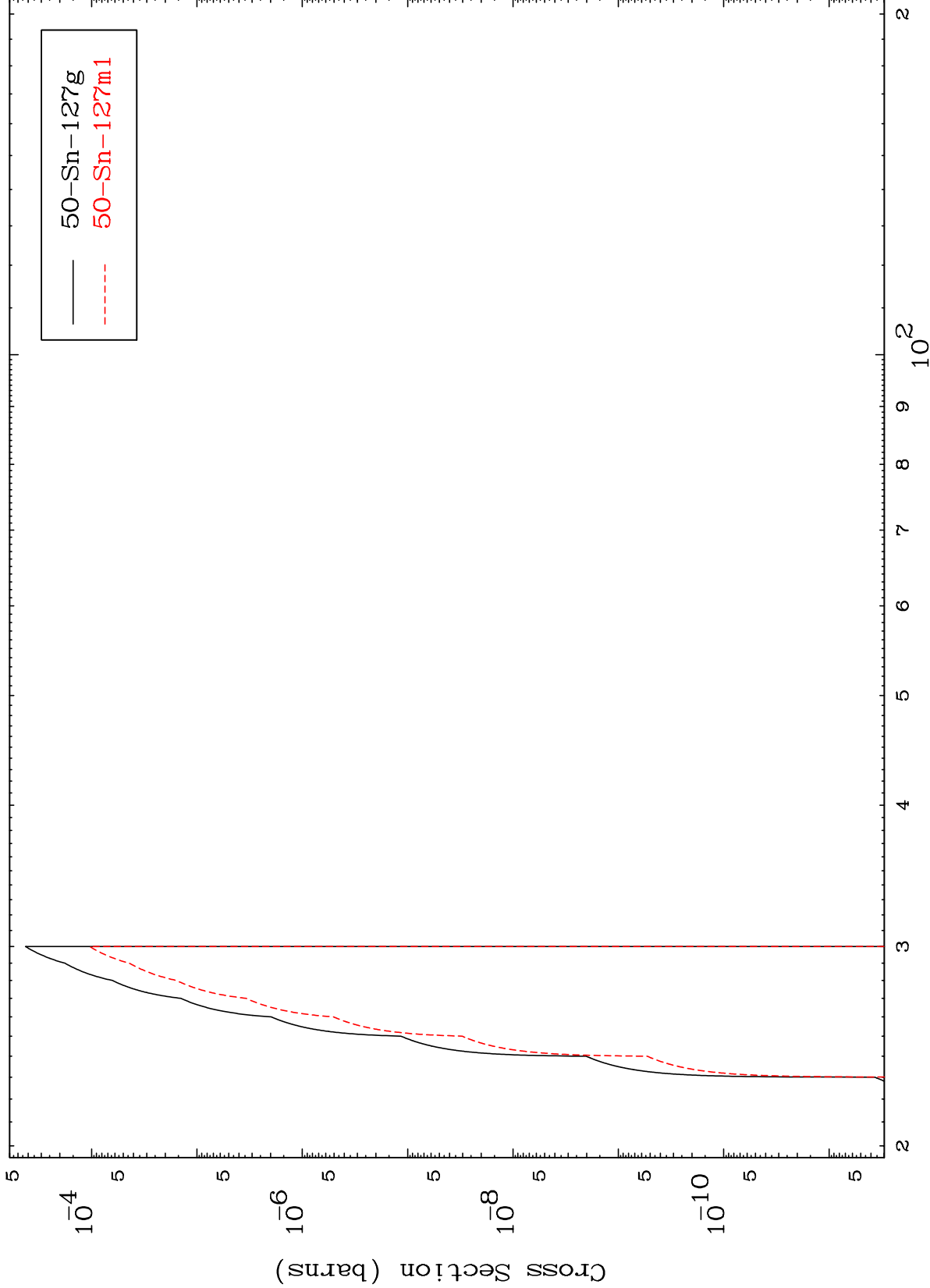


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(n,2n) d

51-Sb-130m

Radionuclide Production Cross Section



Incident Energy (MeV)

51-Sb-130m

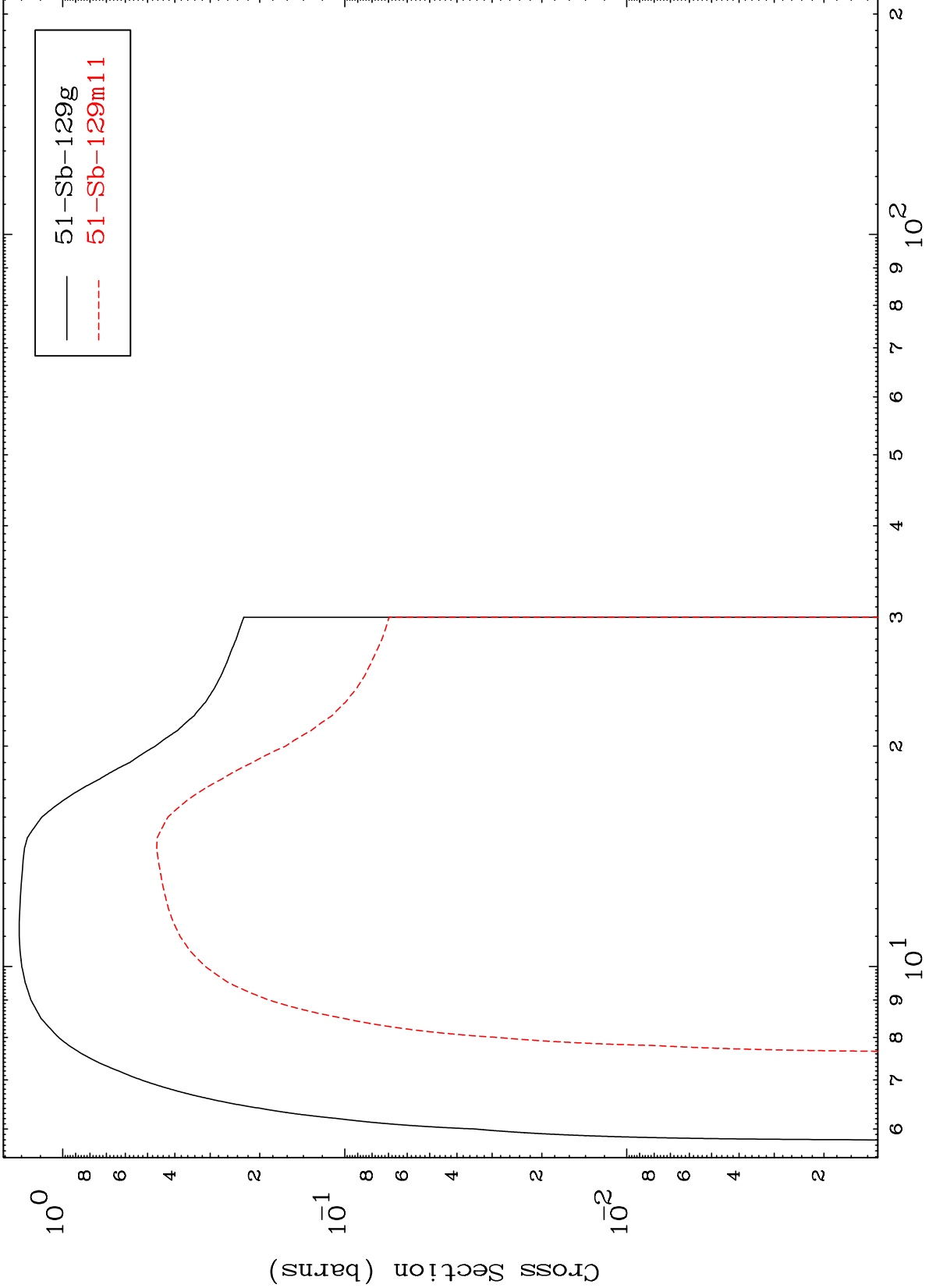
20

MAT 5153

(n,2n)

51-Sb-130m

Radionuclide Production Cross Section



21

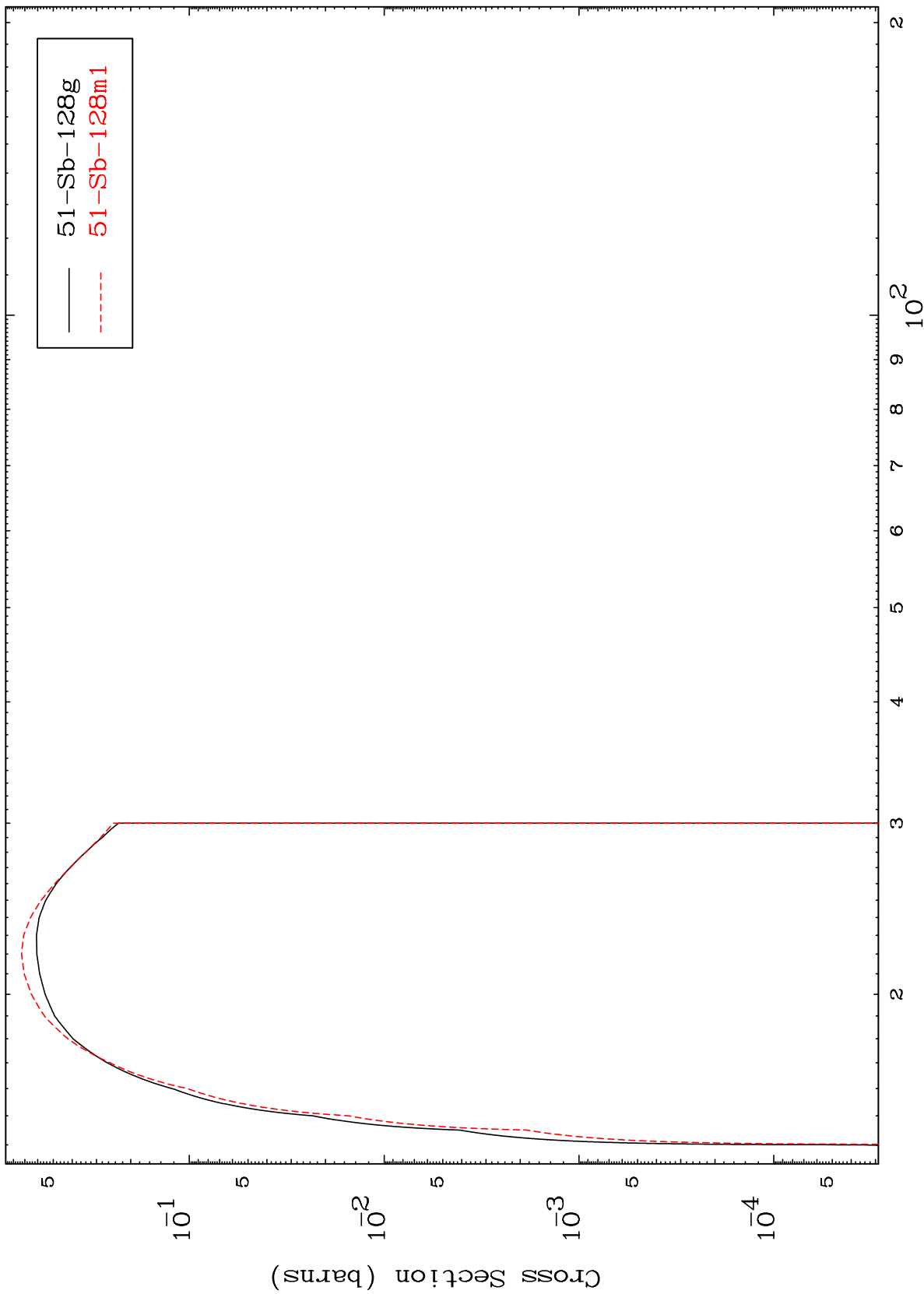
Incident Energy (MeV)

51-Sb-130m

MAT 5153

51-Sb-130m

(n,3n)  
Radionuclide Production Cross Section



51-Sb-130m

Incident Energy (MeV)

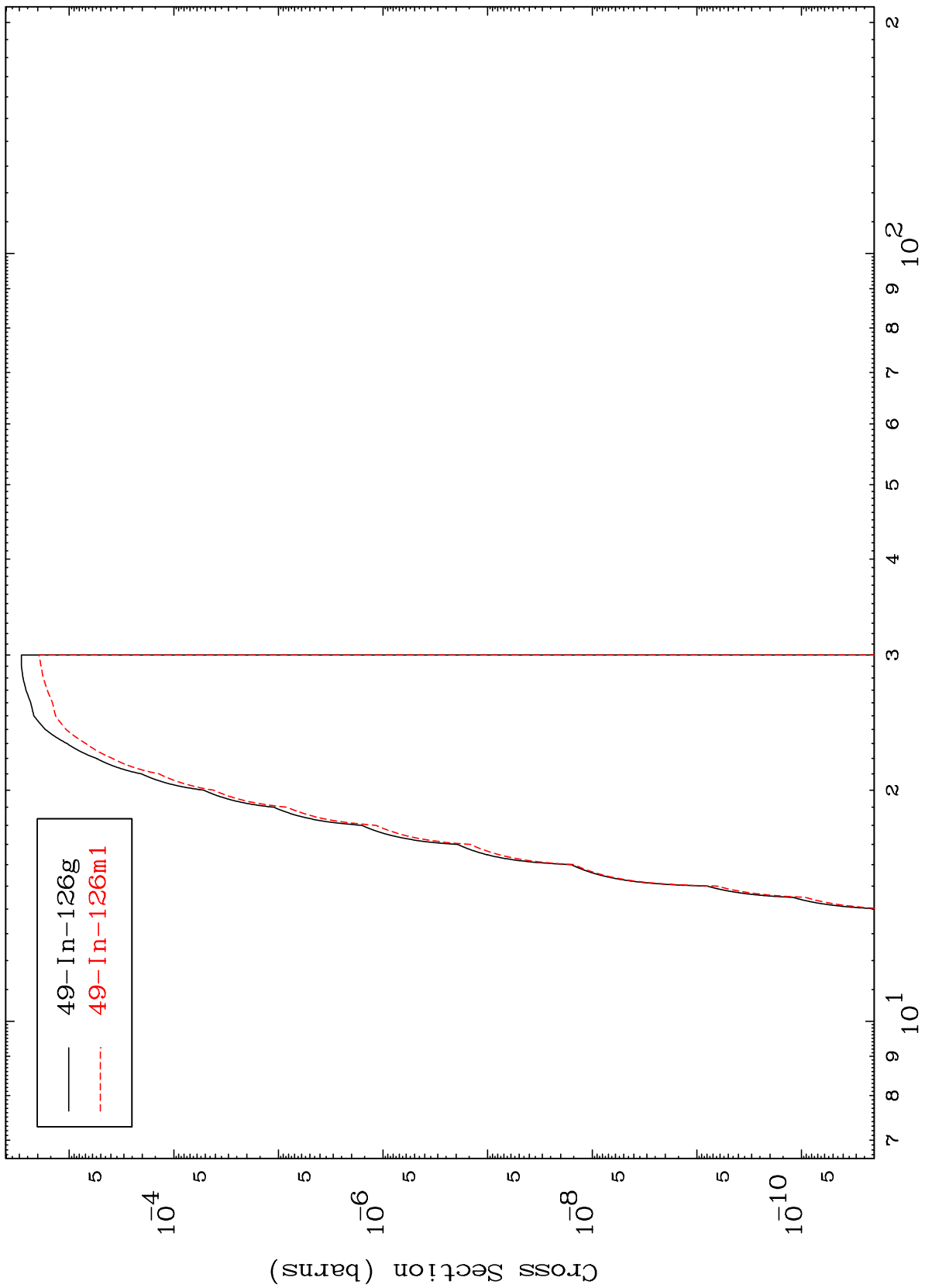
22

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(n,n')  $\alpha$

51-Sb-130m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

51-Sb-130m

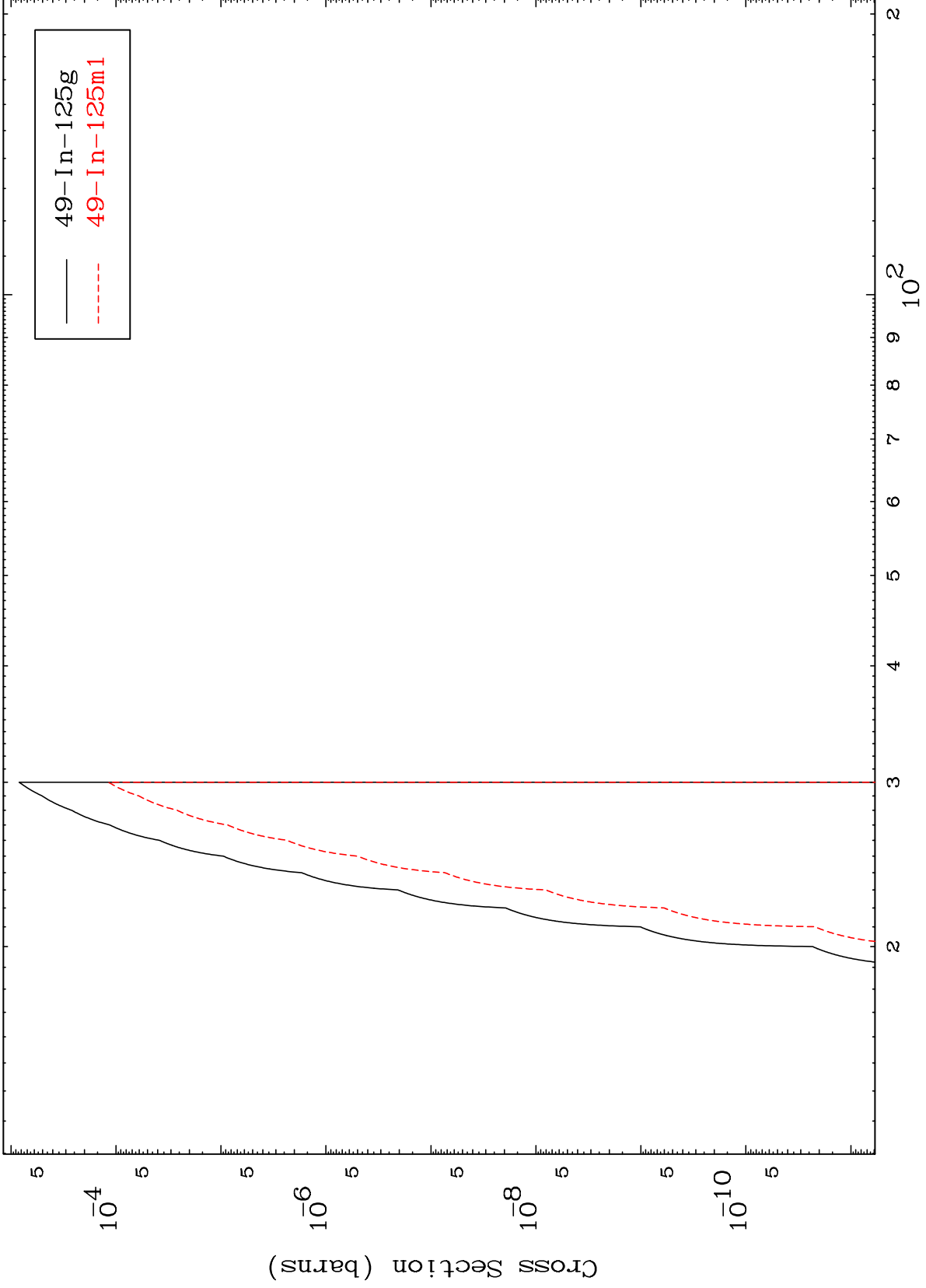


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(n,2n)  $\alpha$

51-Sb-130m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

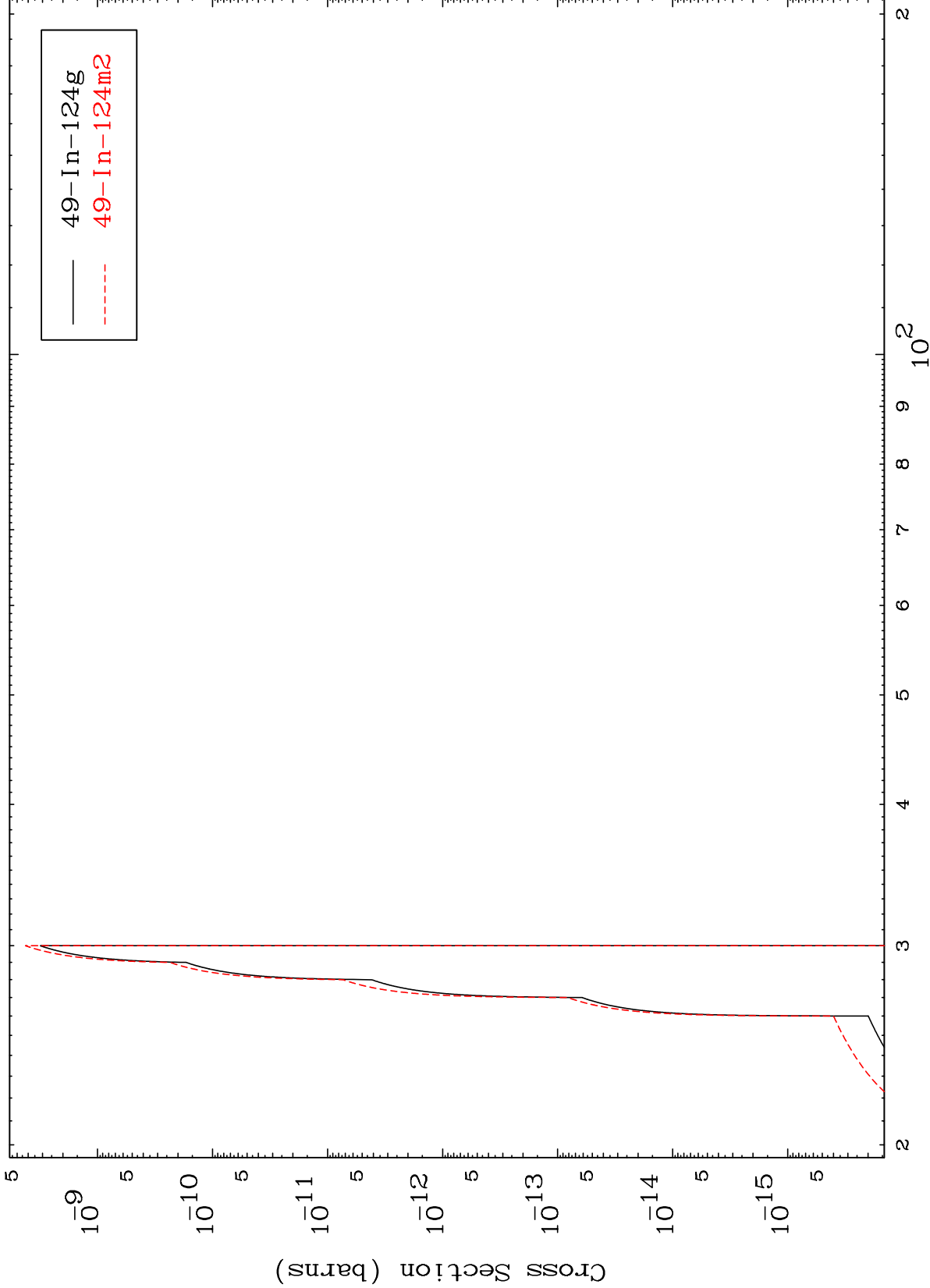
51-Sb-130m

MAT 5153

(n,3n)  $\alpha$

51-Sb-130m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

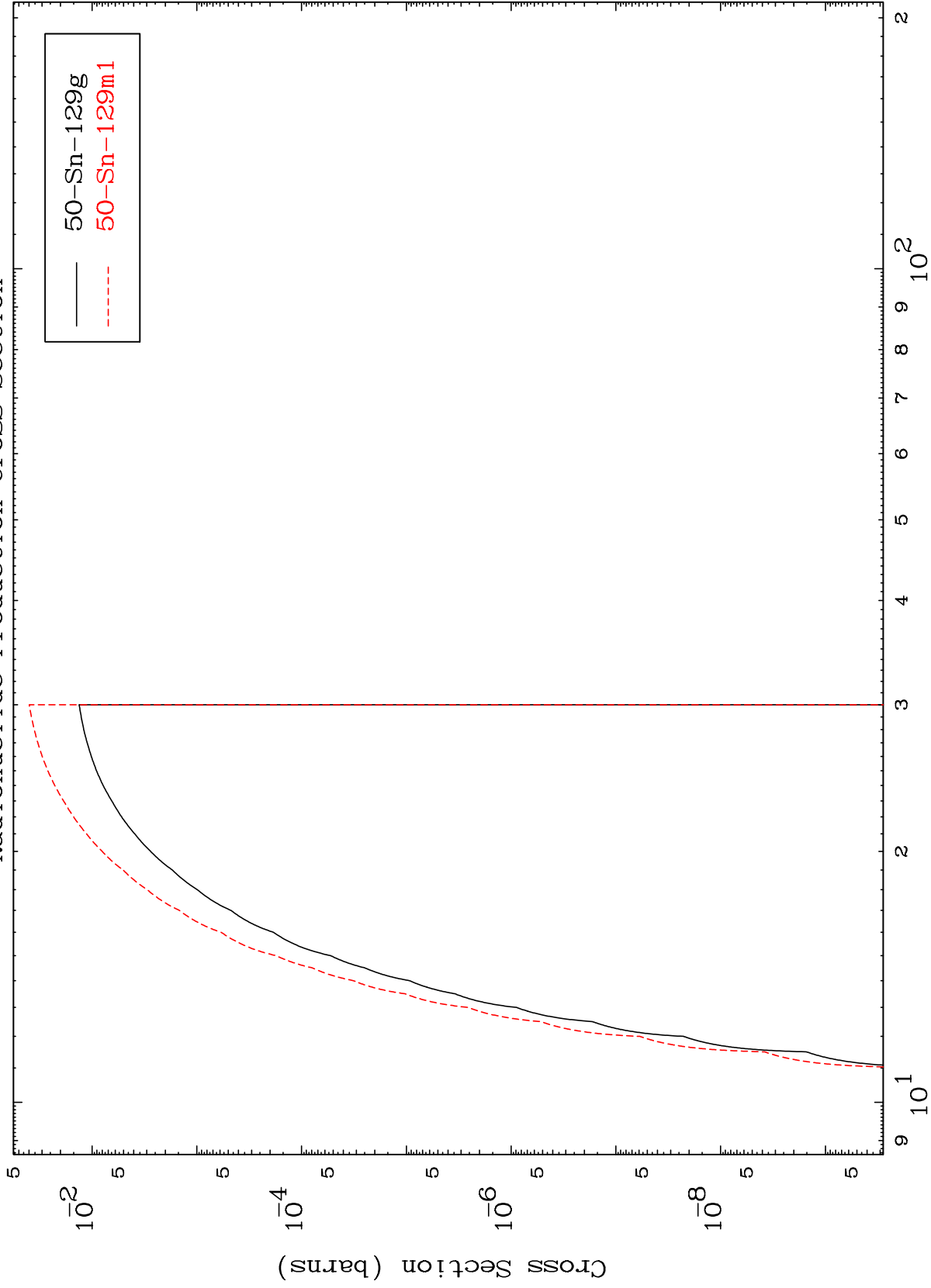
51-Sb-130m

MAT 5153

(n,n') p

51-Sb-130m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

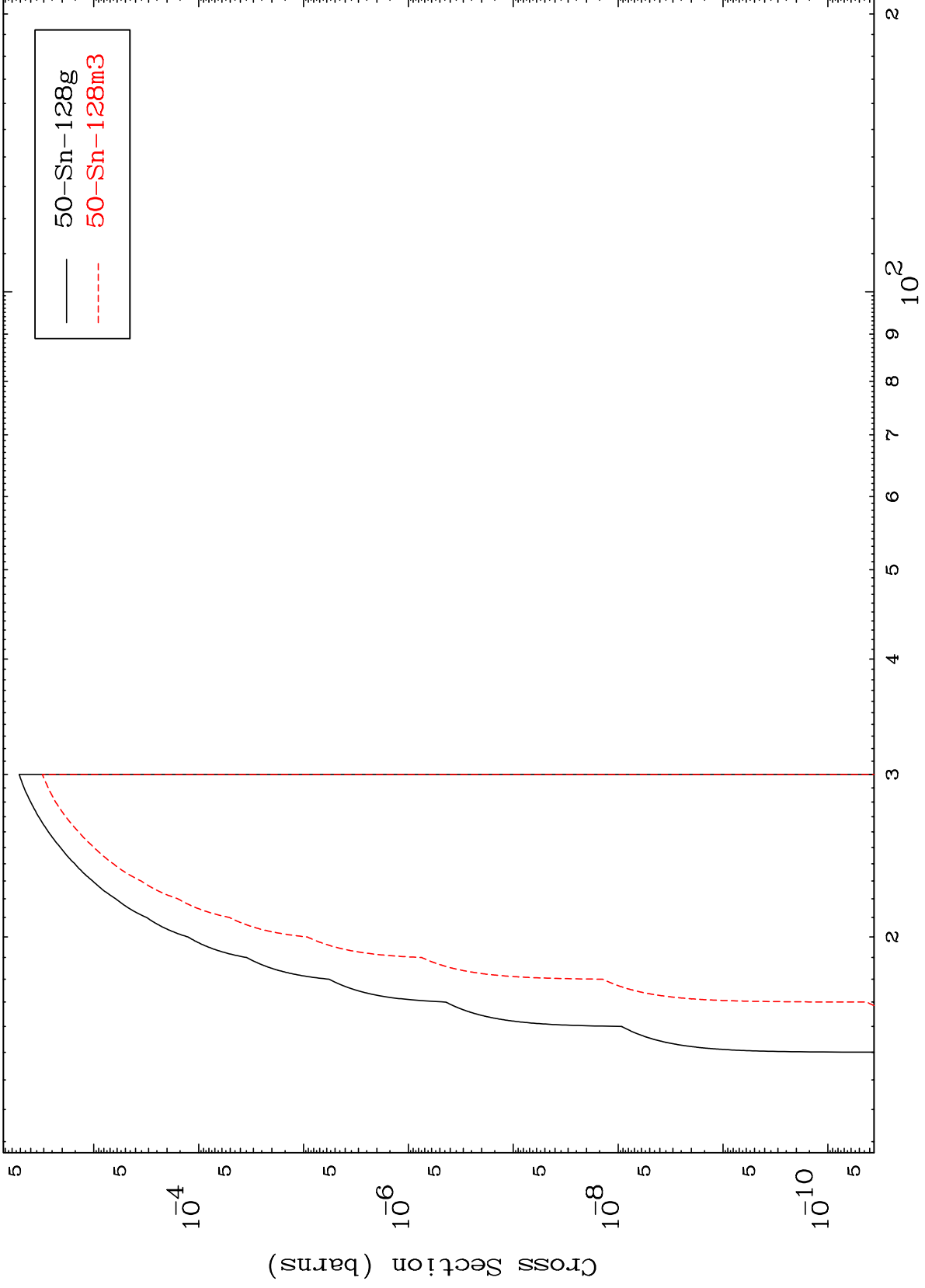
51-Sb-130m

MAT 5153

(n,n') d

51-Sb-130m

Radionuclide Production Cross Section



27

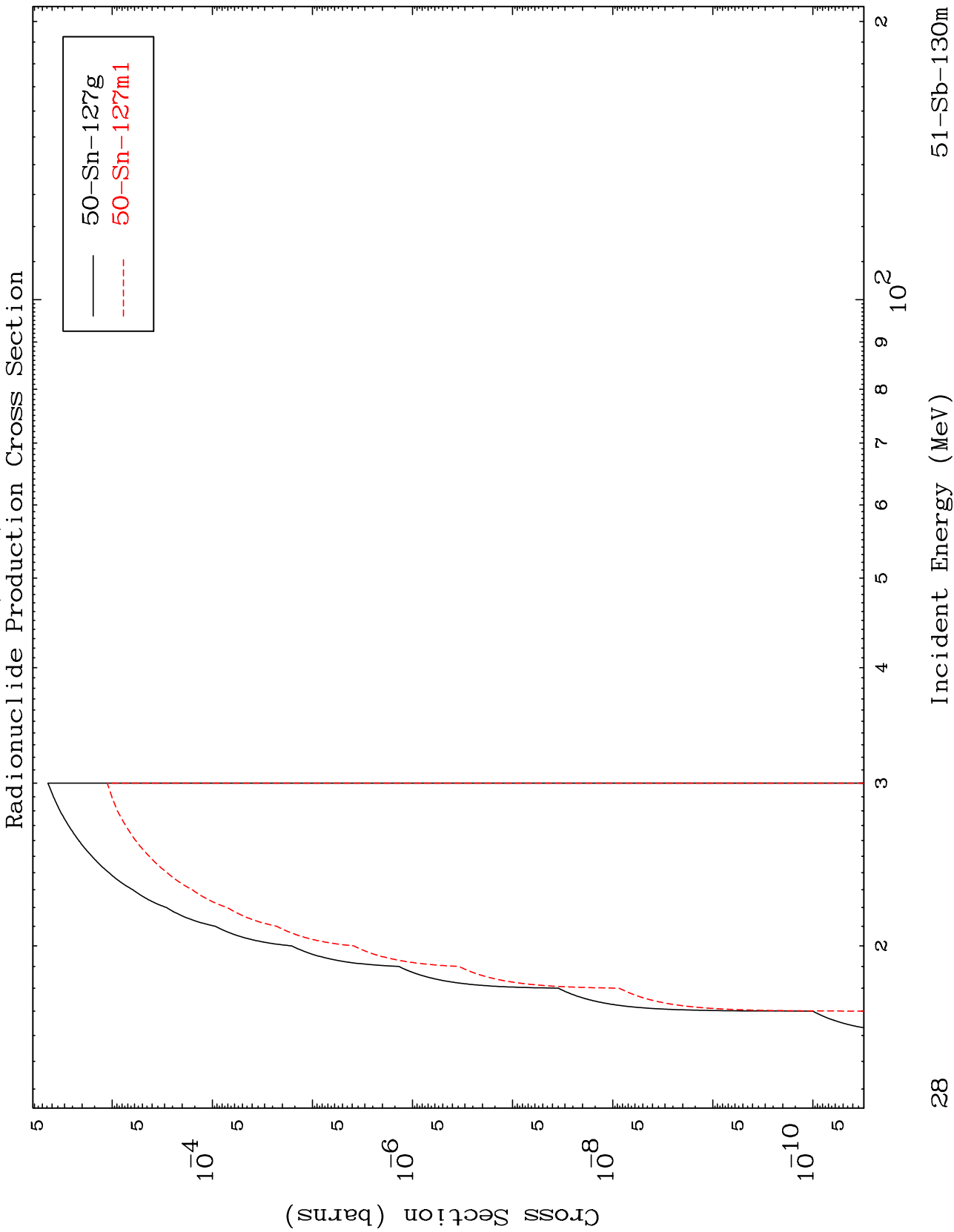
Incident Energy (MeV)

51-Sb-130m

MAT 5153

(n,n') t

51-Sb-130m



28

Incident Energy (MeV)

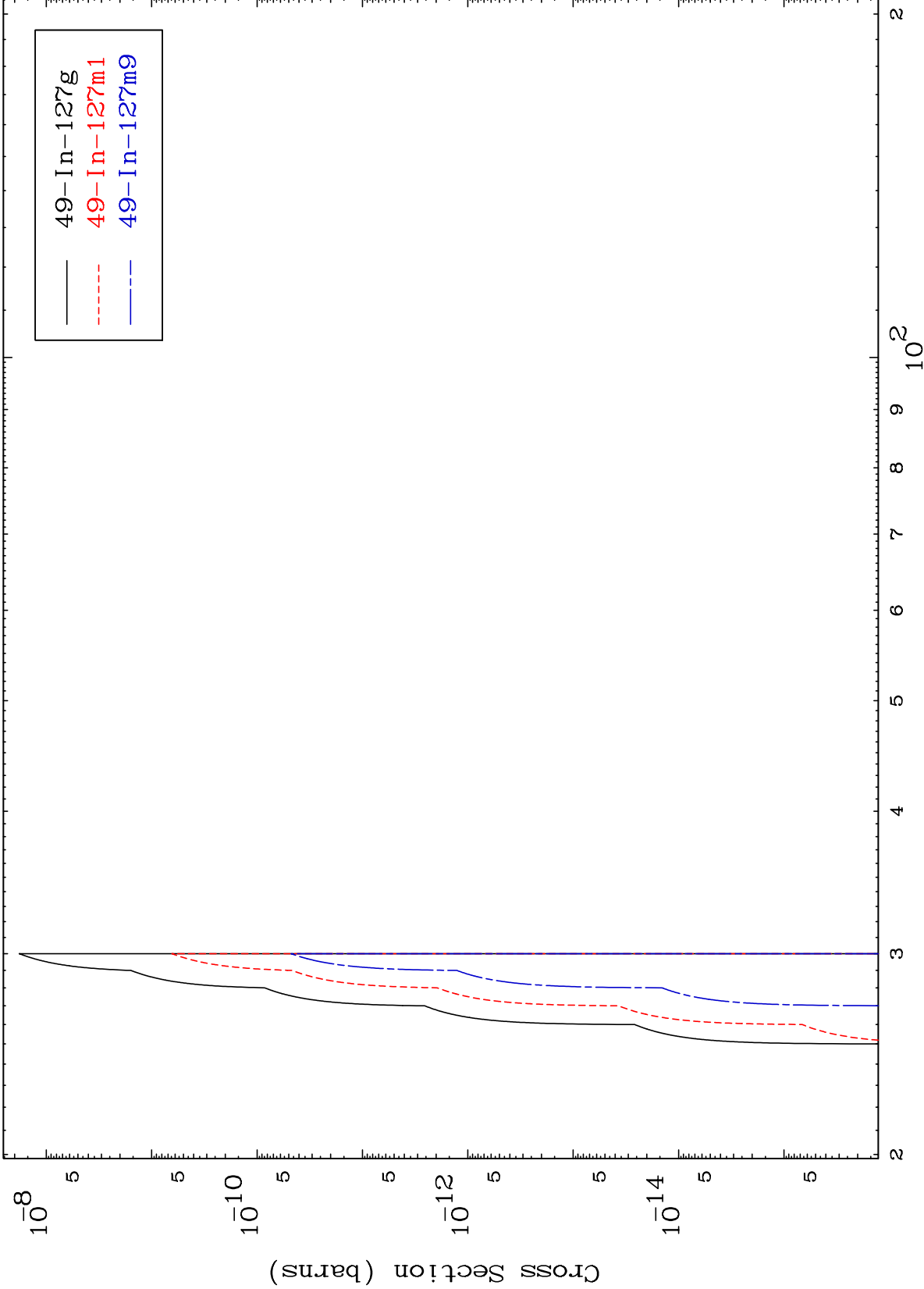
51-Sb-130m

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(n,n') He-3

51-Sb-130m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

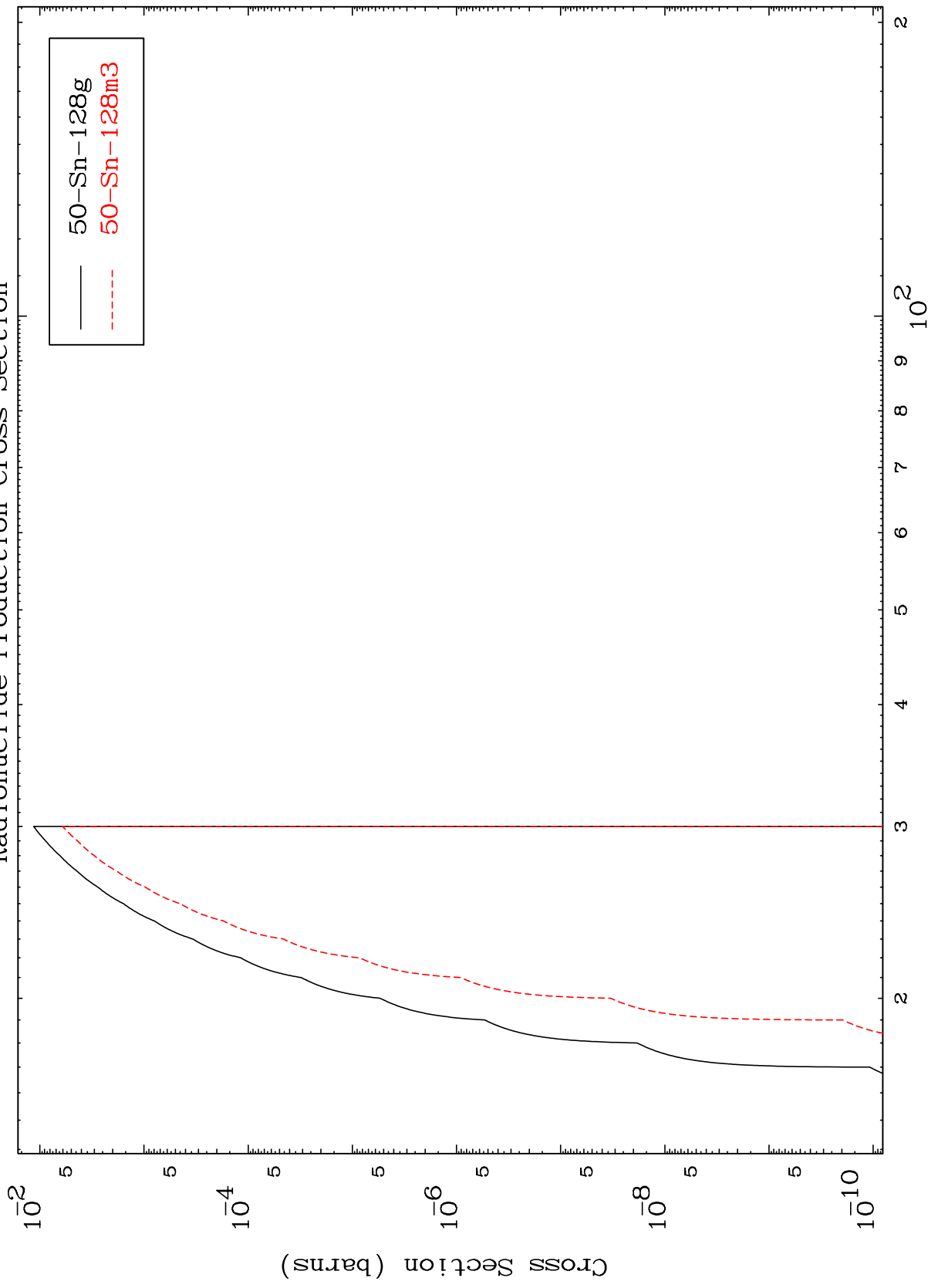
51-Sb-130m

MAT 5153

(n,2n) p

51-Sb-130m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

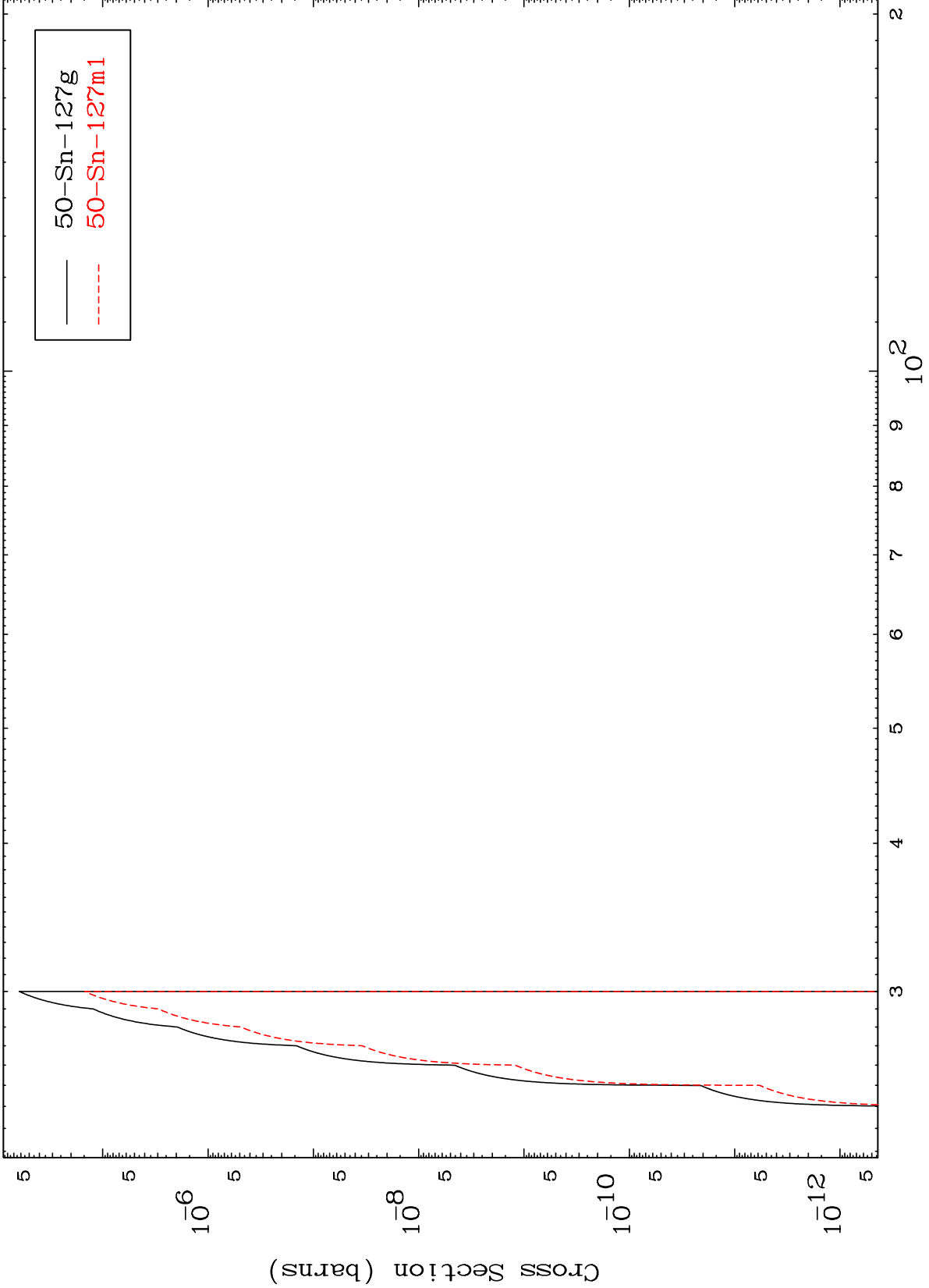
51-Sb-130m

MAT 5153

(n,3n) p

51-Sb-130m

Radionuclide Production Cross Section



50-Sn-127g  
50-Sn-127m1

31

Incident Energy (MeV)

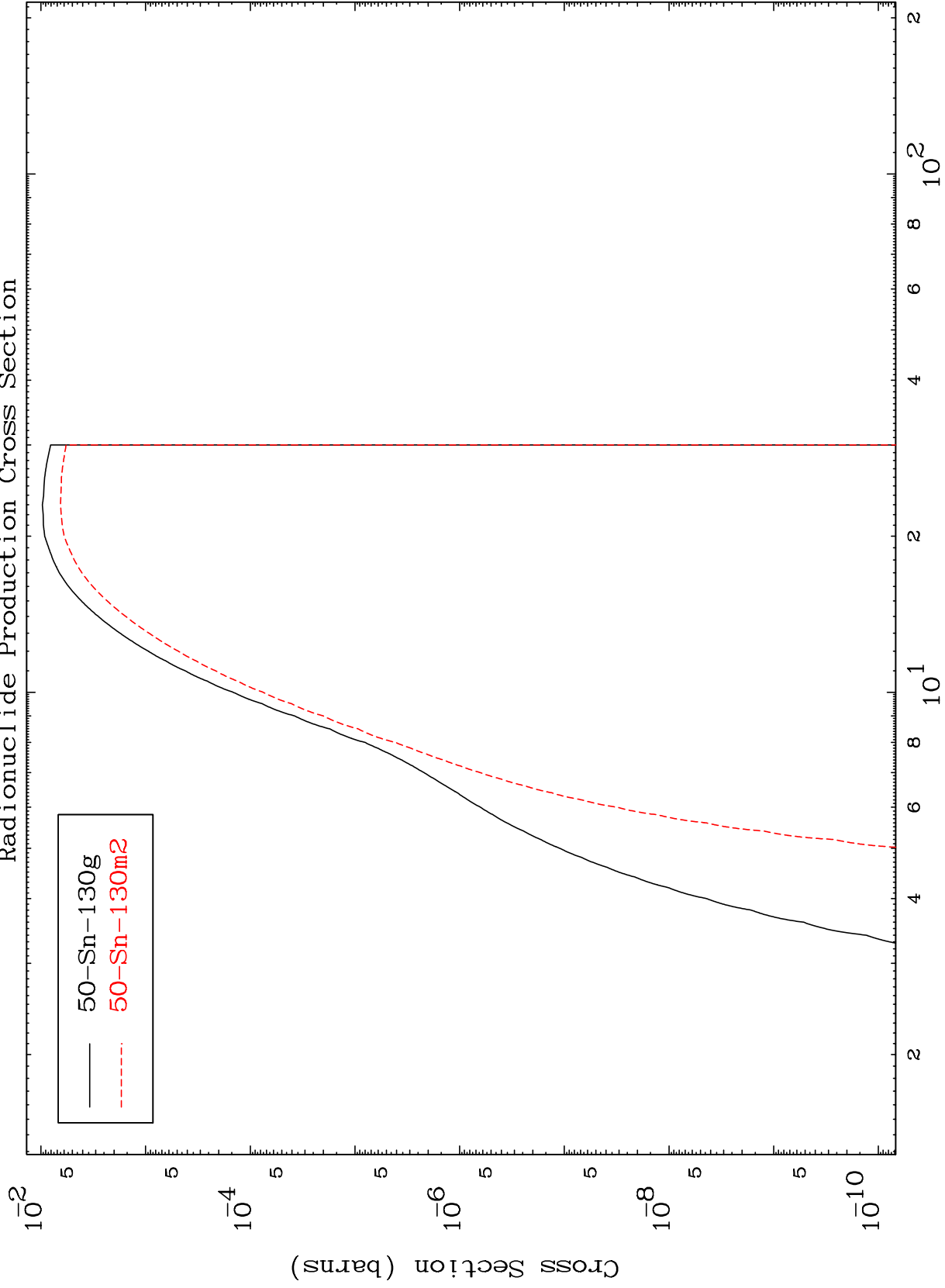
51-Sb-130m



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51-Sb-130m

Radionuclide Production Cross Section (n,p)



32

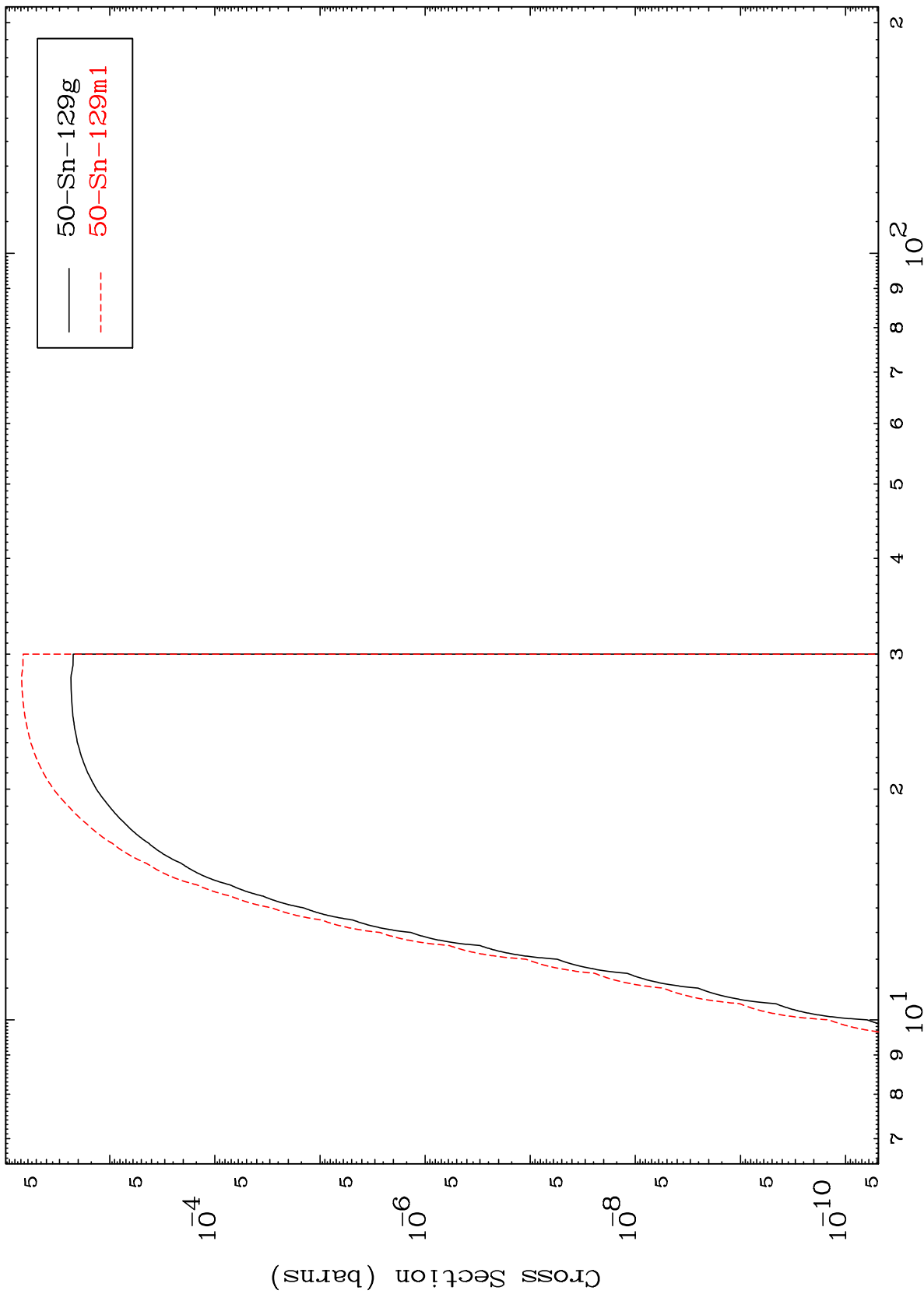
51-Sb-130m

Incident Energy (MeV)

MAT 5153

51-Sb-130m

(n,d)  
Radionuclide Production Cross Section



33

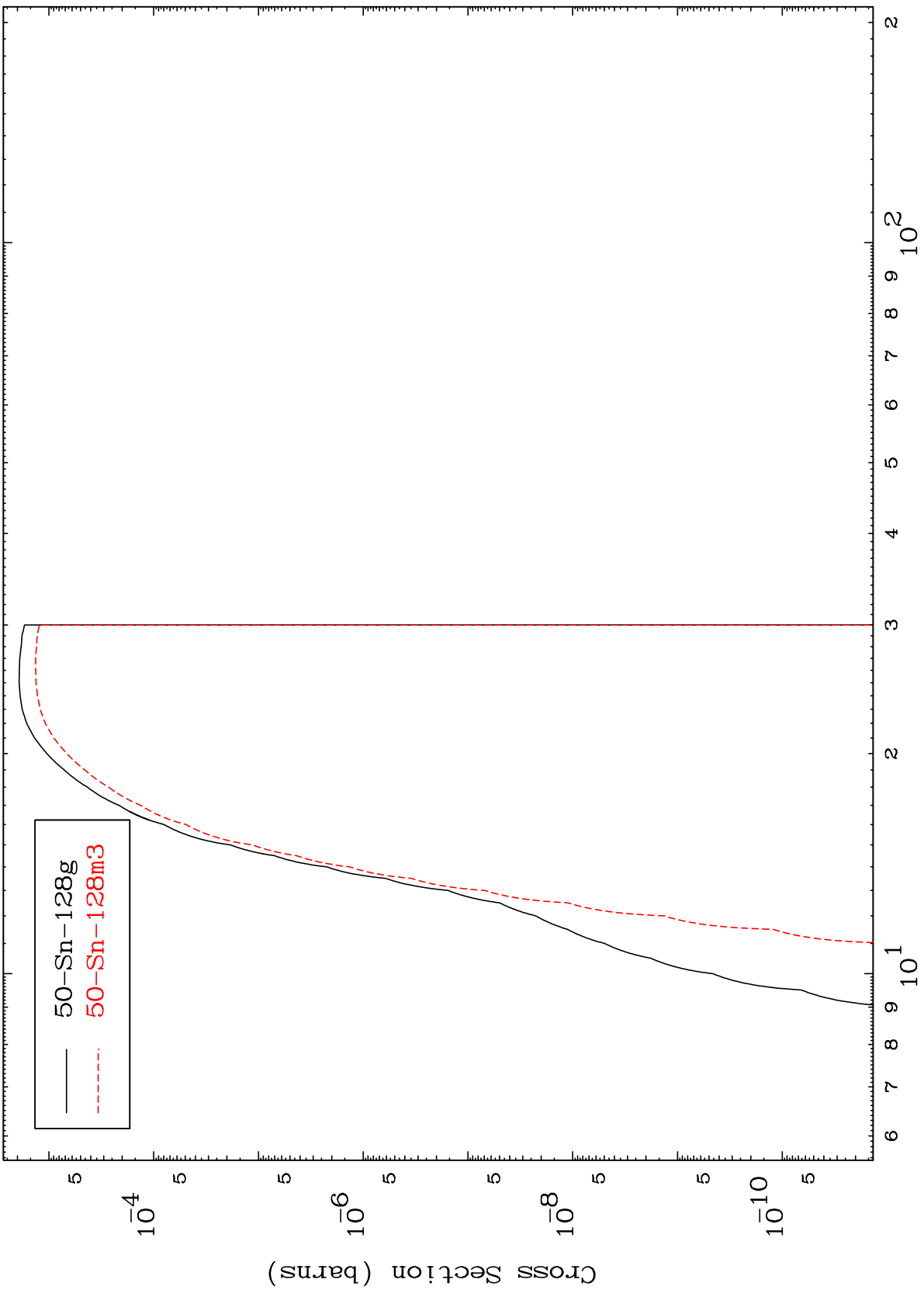
51-Sb-130m

Incident Energy (MeV)

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51-Sb-130m

Radionuclide Production Cross Section (n,t)



34

Incident Energy (MeV)

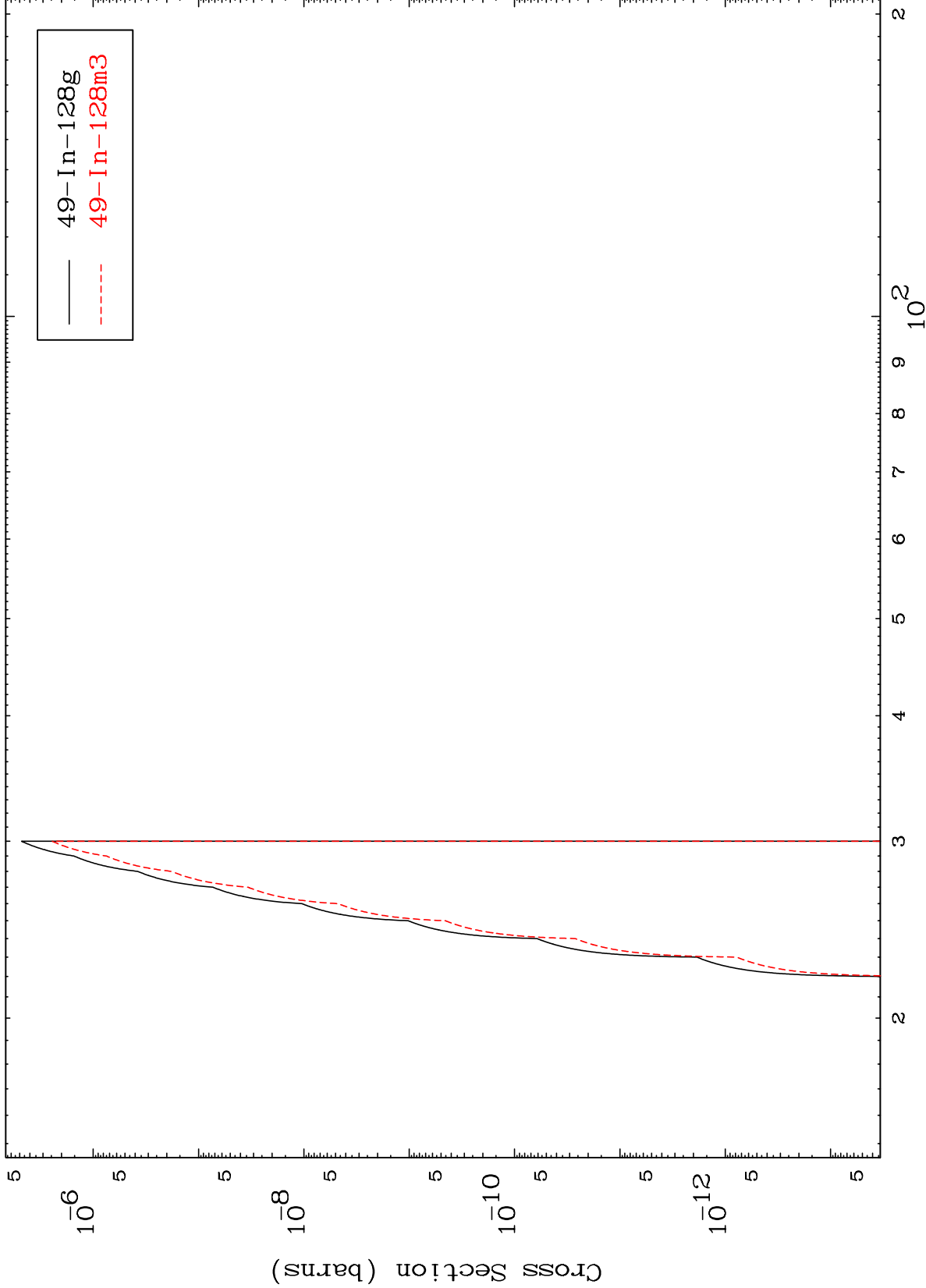
51-Sb-130m

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(n,He-3)

51-Sb-130m

Radionuclide Production Cross Section



35

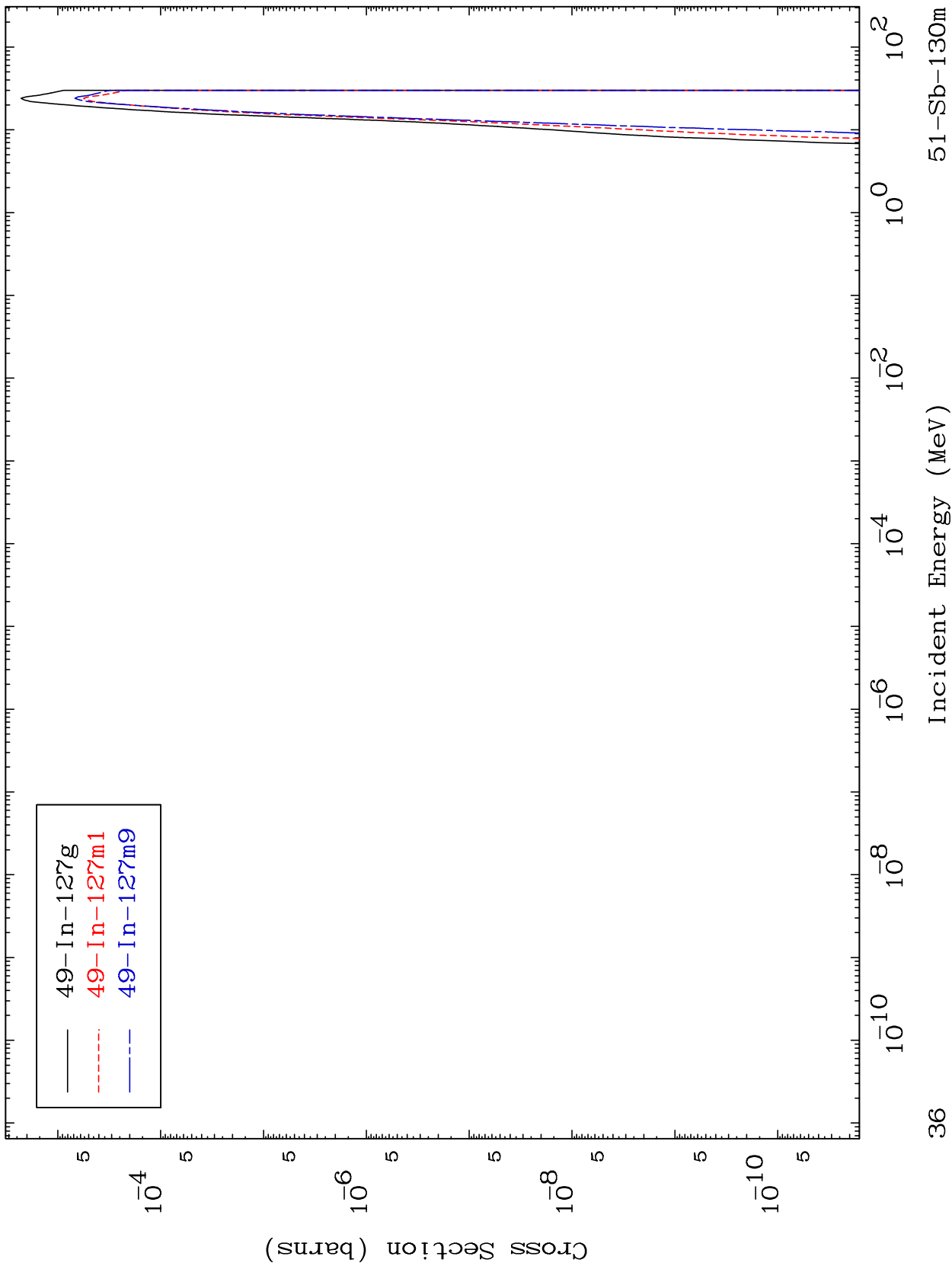
Incident Energy (MeV)

51-Sb-130m

MAT 5153

51-Sb-130m

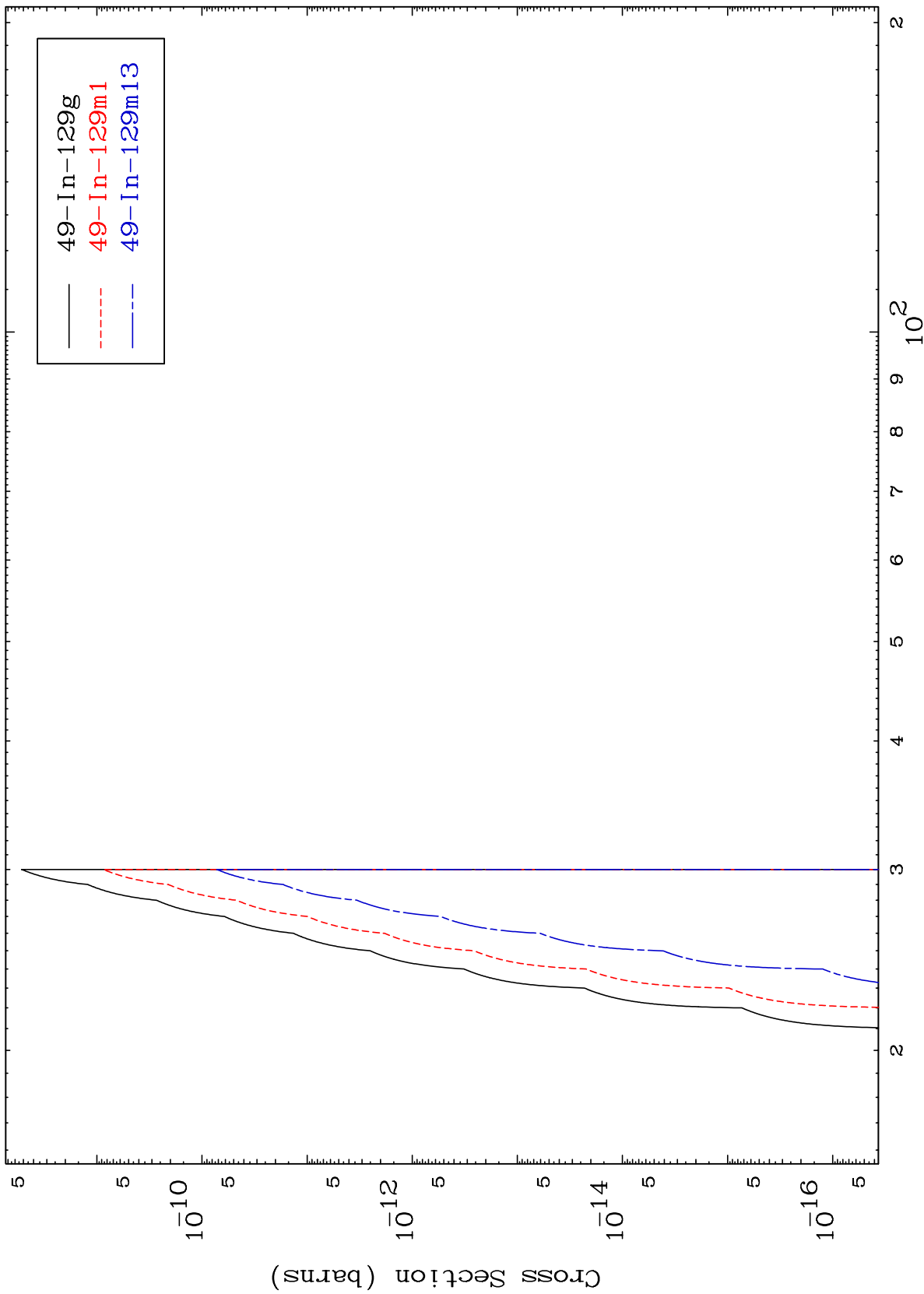
Radionuclide Production Cross Section



MAT 5153

51-Sb-130m

(n,2p)  
Radionuclide Production Cross Section



37

51-Sb-130m

Incident Energy (MeV)