

Program EVALPLOT  
(Version 2021-1)

by

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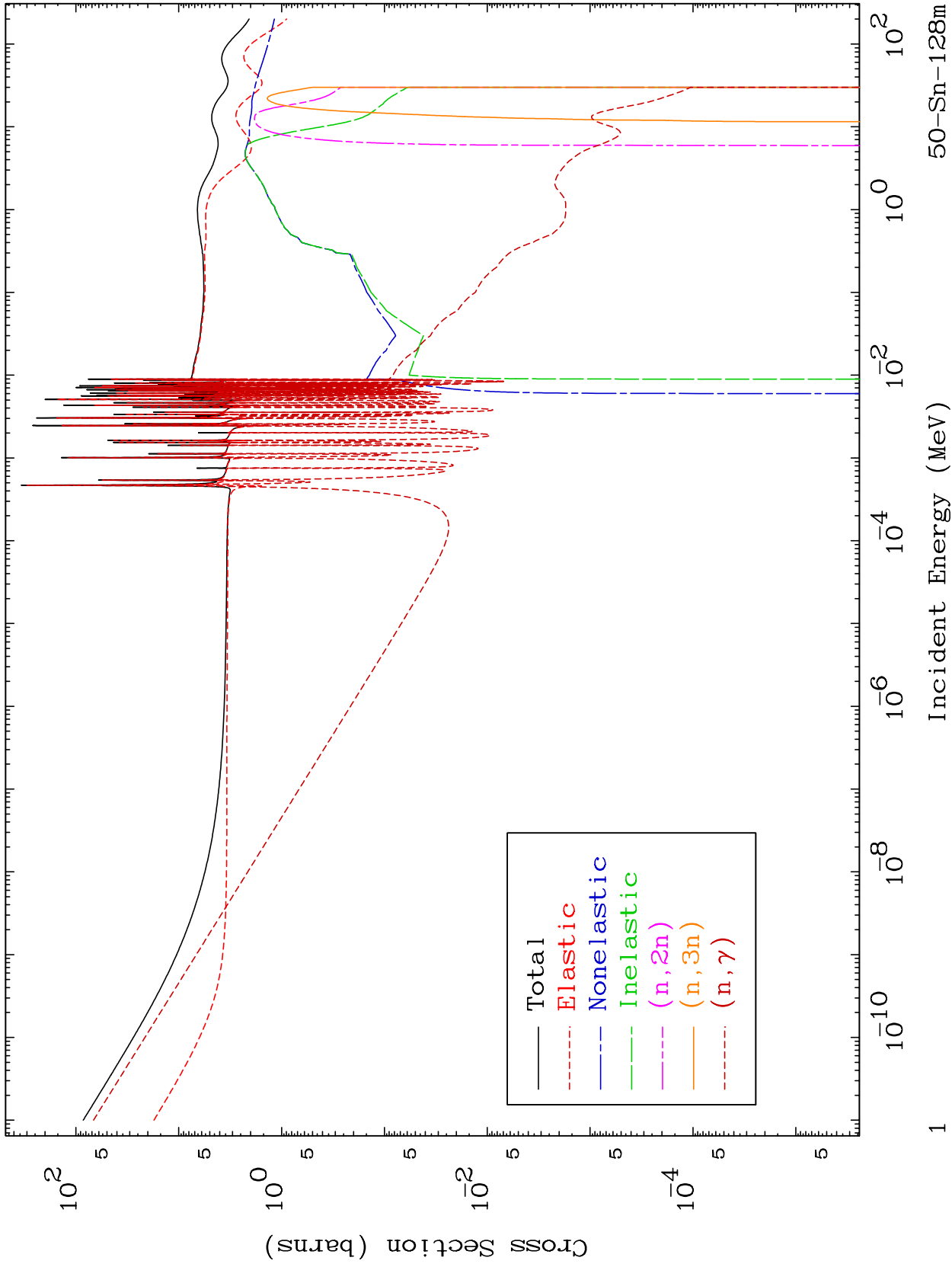
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5074

Neutron Major  
293 Kelvin Cross Sections

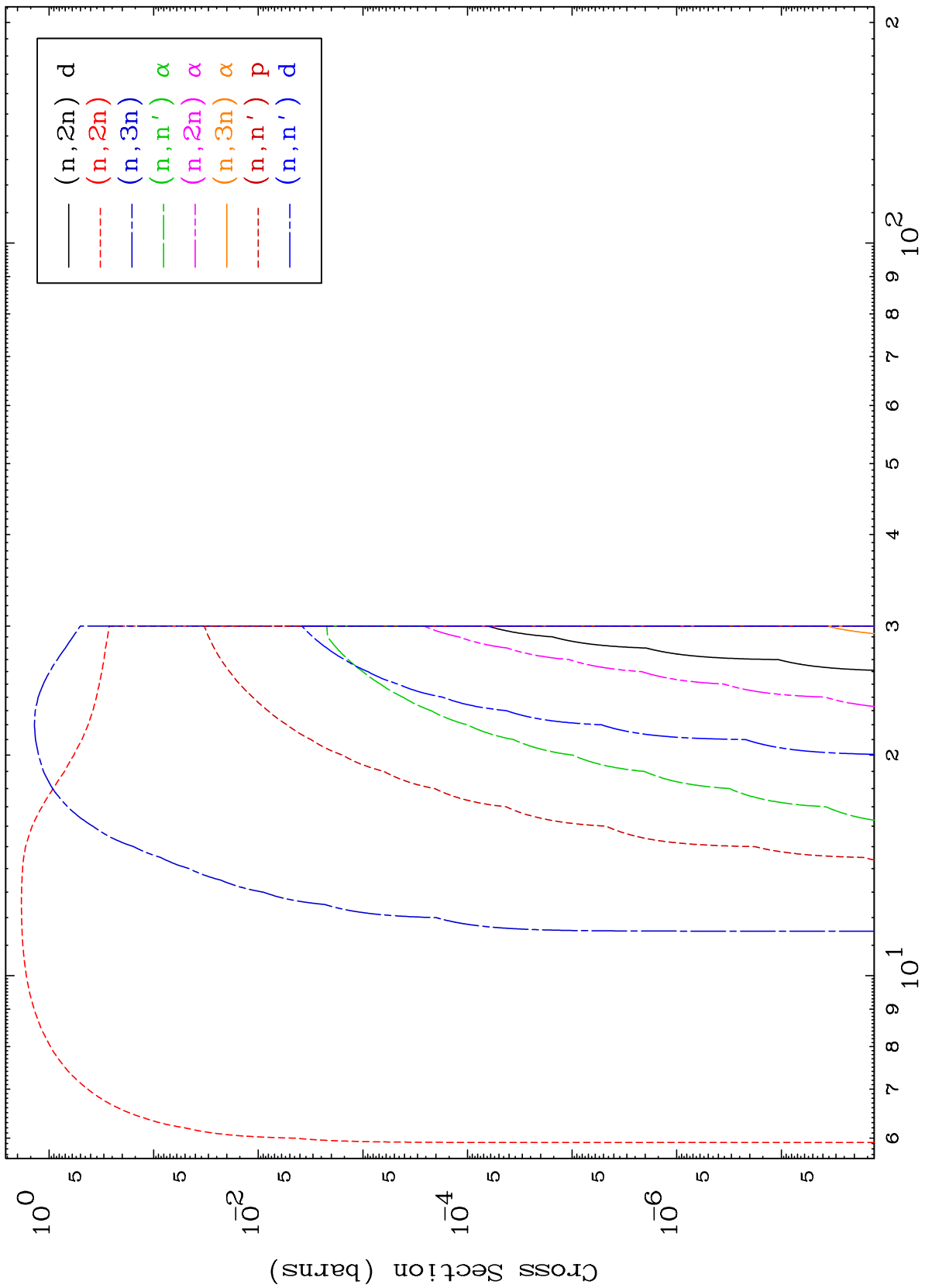
50-Sn-128m



MAT 5074

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-128m



2

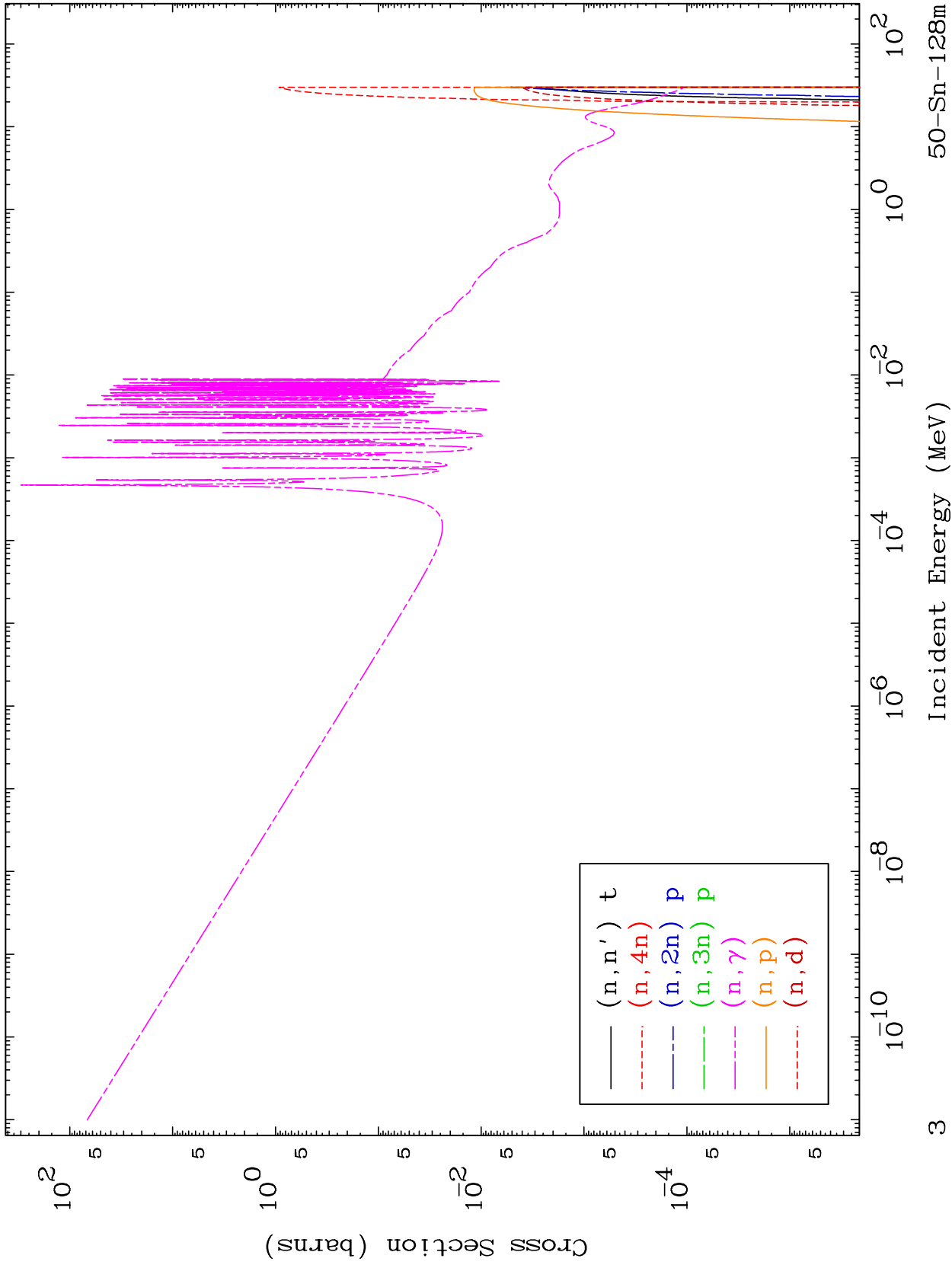
Incident Energy (MeV)

50-Sn-128m

MAT 5074

Neutron Absorption  
293 Kelvin Cross Sections

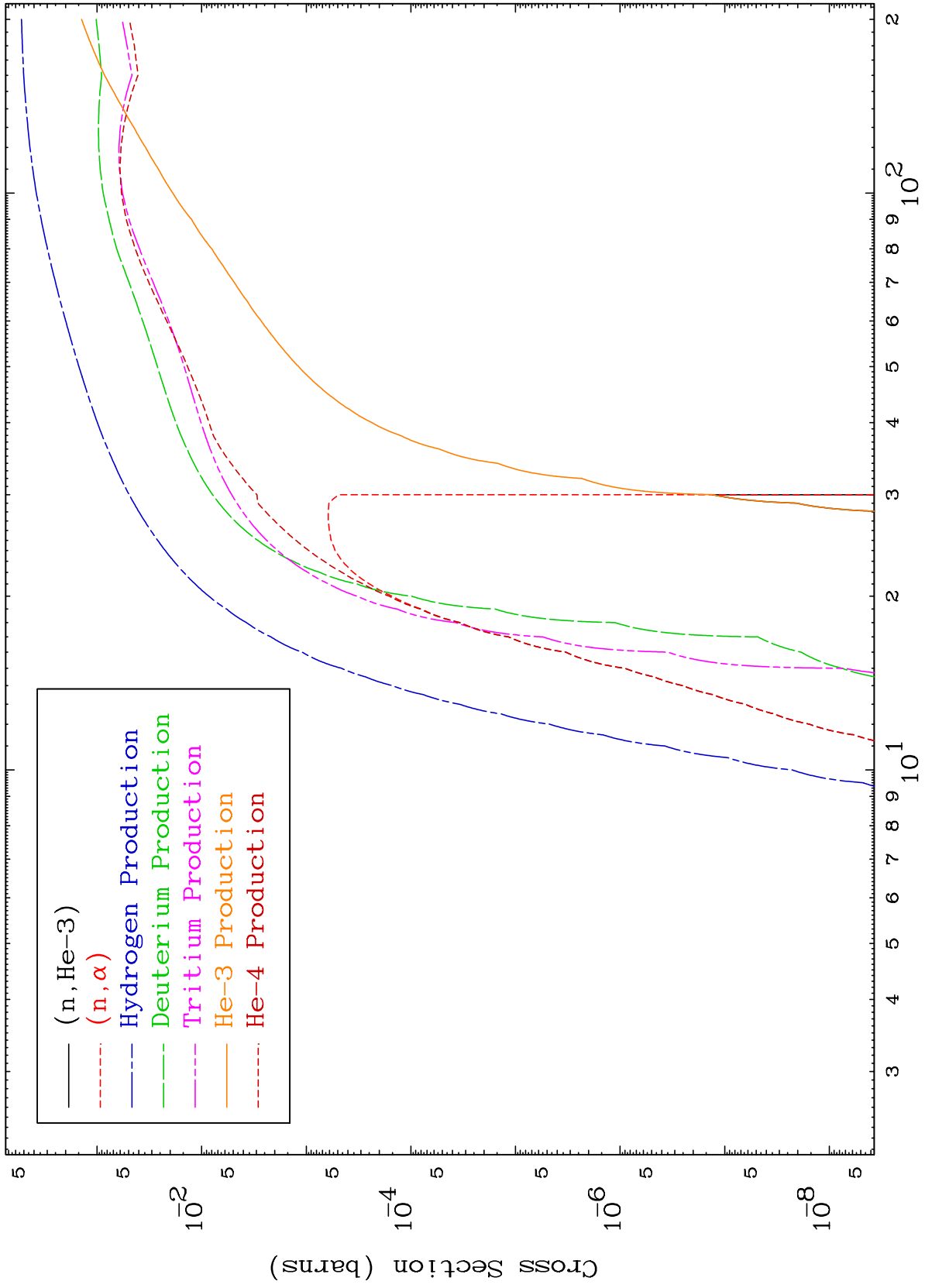
50-Sn-128m



MAT 5074

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-128m



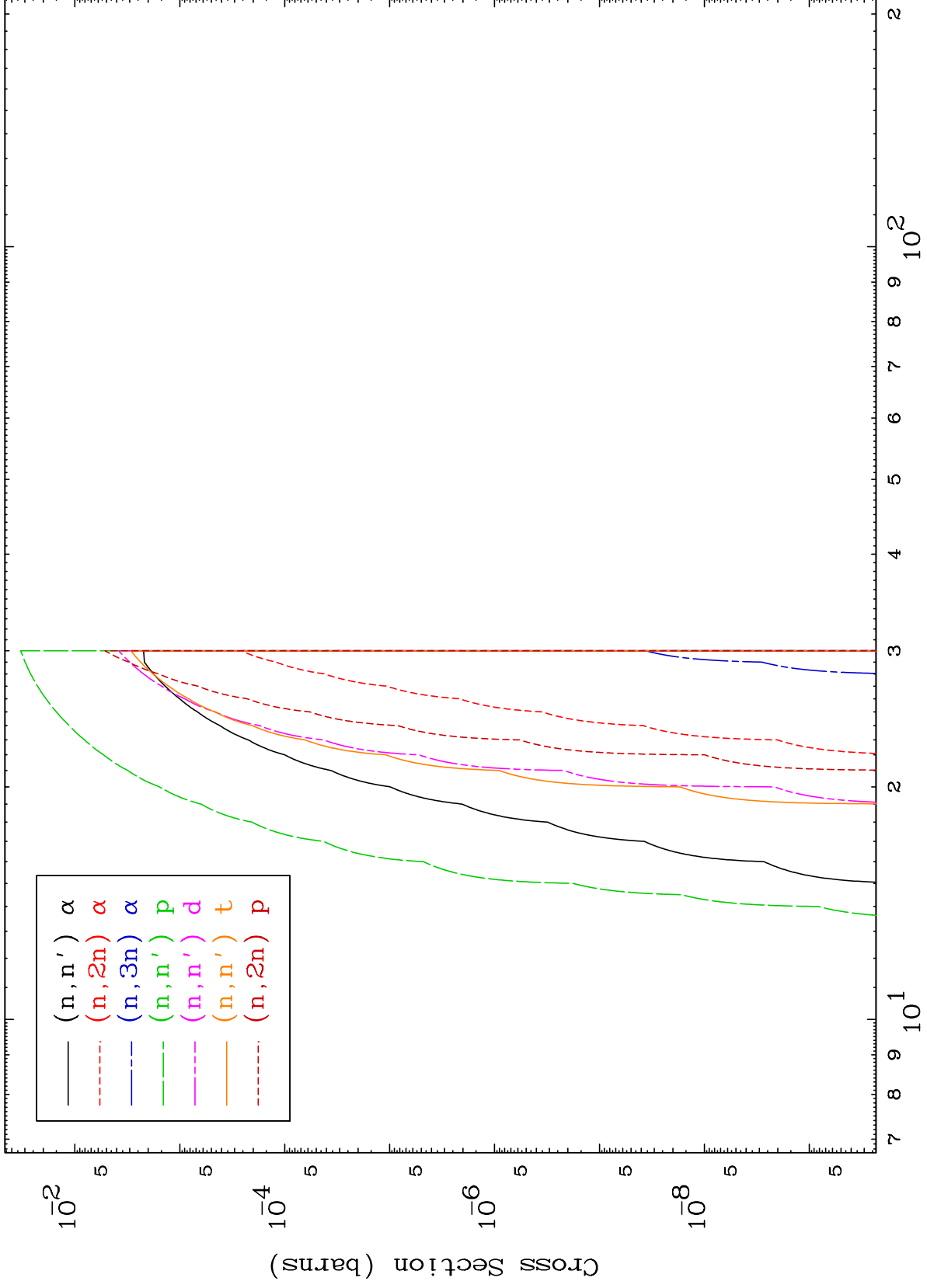
50-Sn-128m

Incident Energy (MeV)

MAT 5074

Charged Particle  
293 Kelvin Cross Sections

50-Sn-128m



5

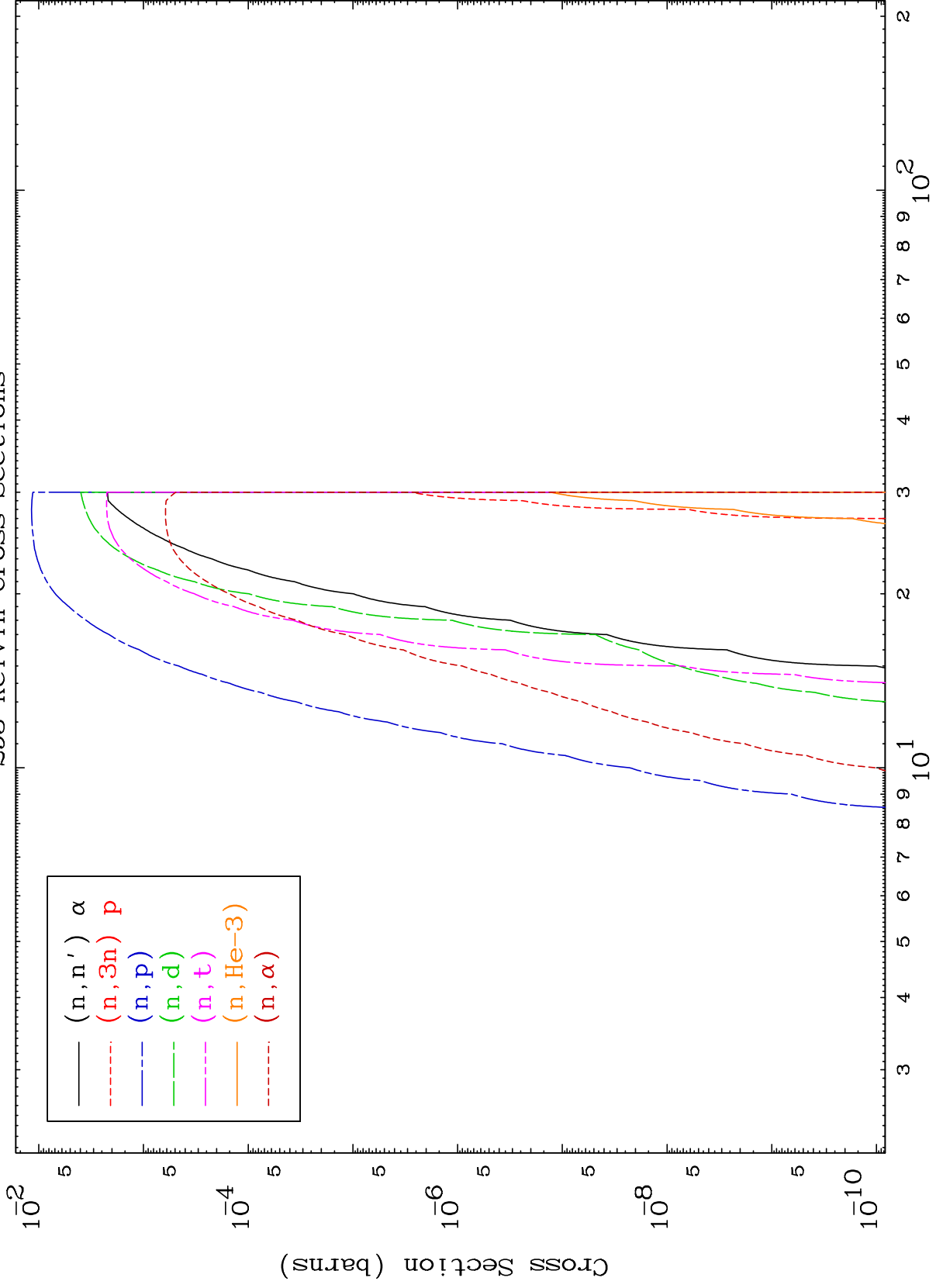
Incident Energy (MeV)

50-Sn-128m

MAT 5074

Charged Particle  
293 Kelvin Cross Sections

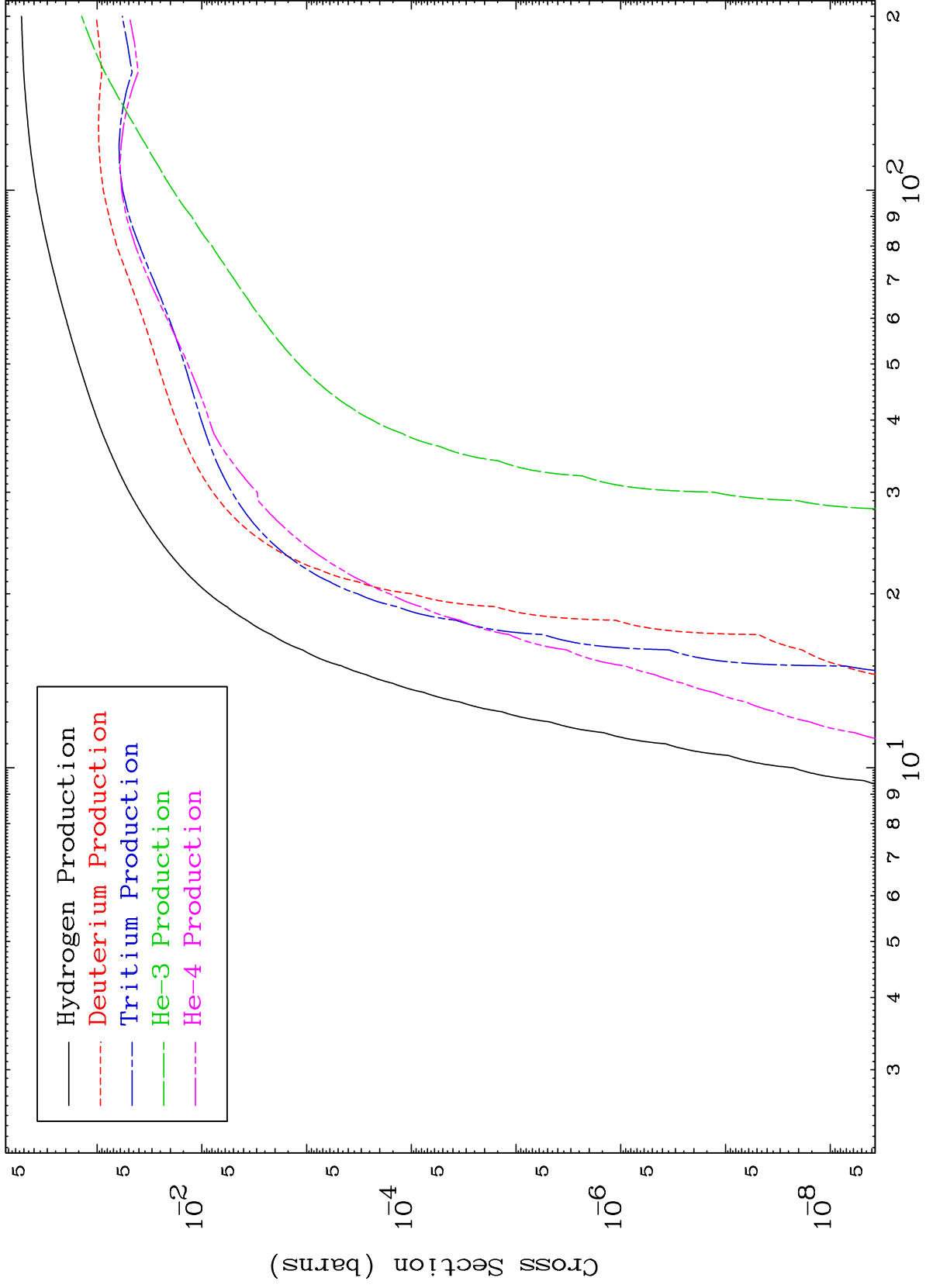
50-Sn-128m



MAT 5074

Particle Production  
293 Kelvin Cross Sections

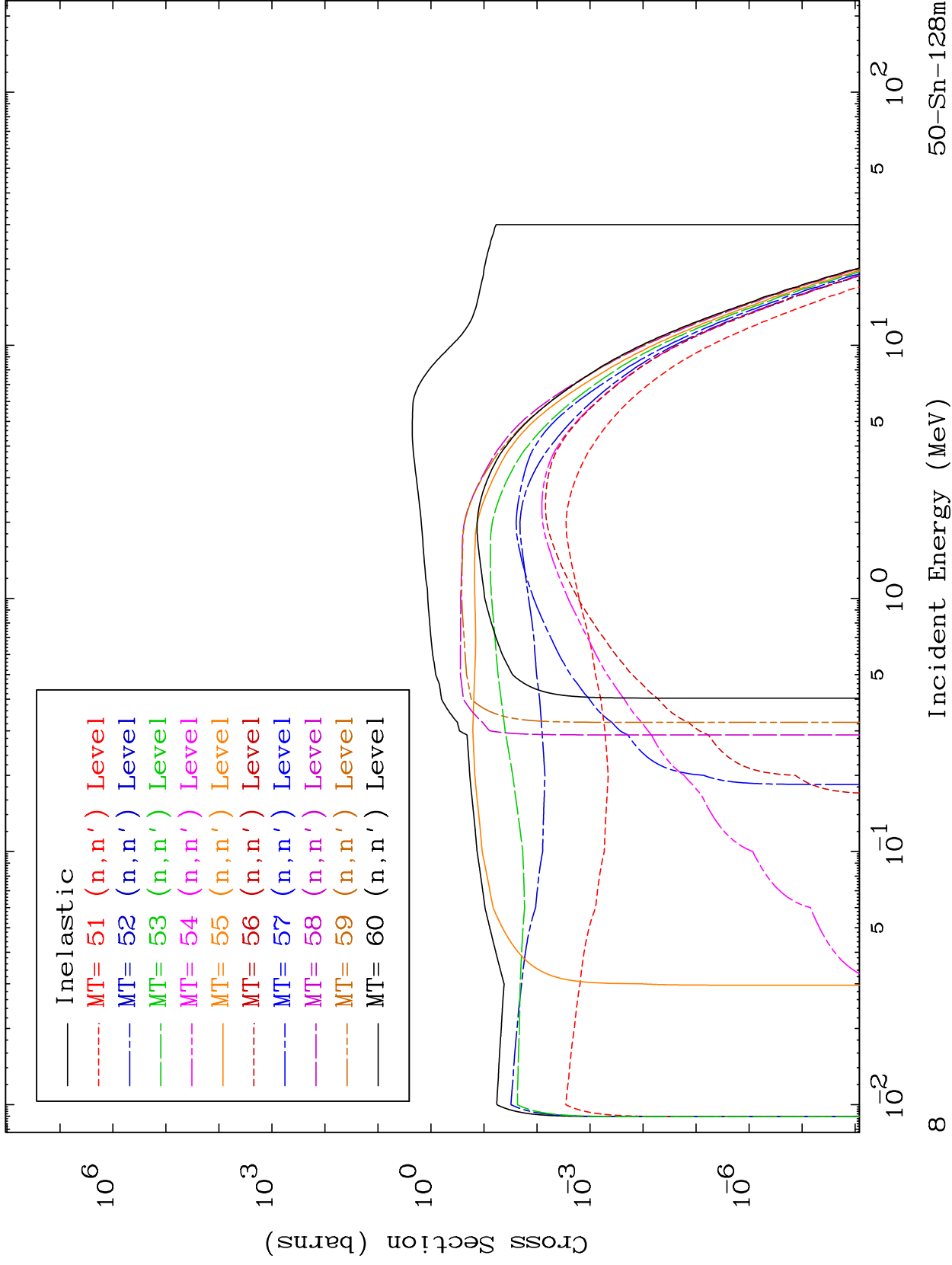
50-Sn-128m



MAT 5074

(n,n') Levels  
293 Kelvin Cross Sections

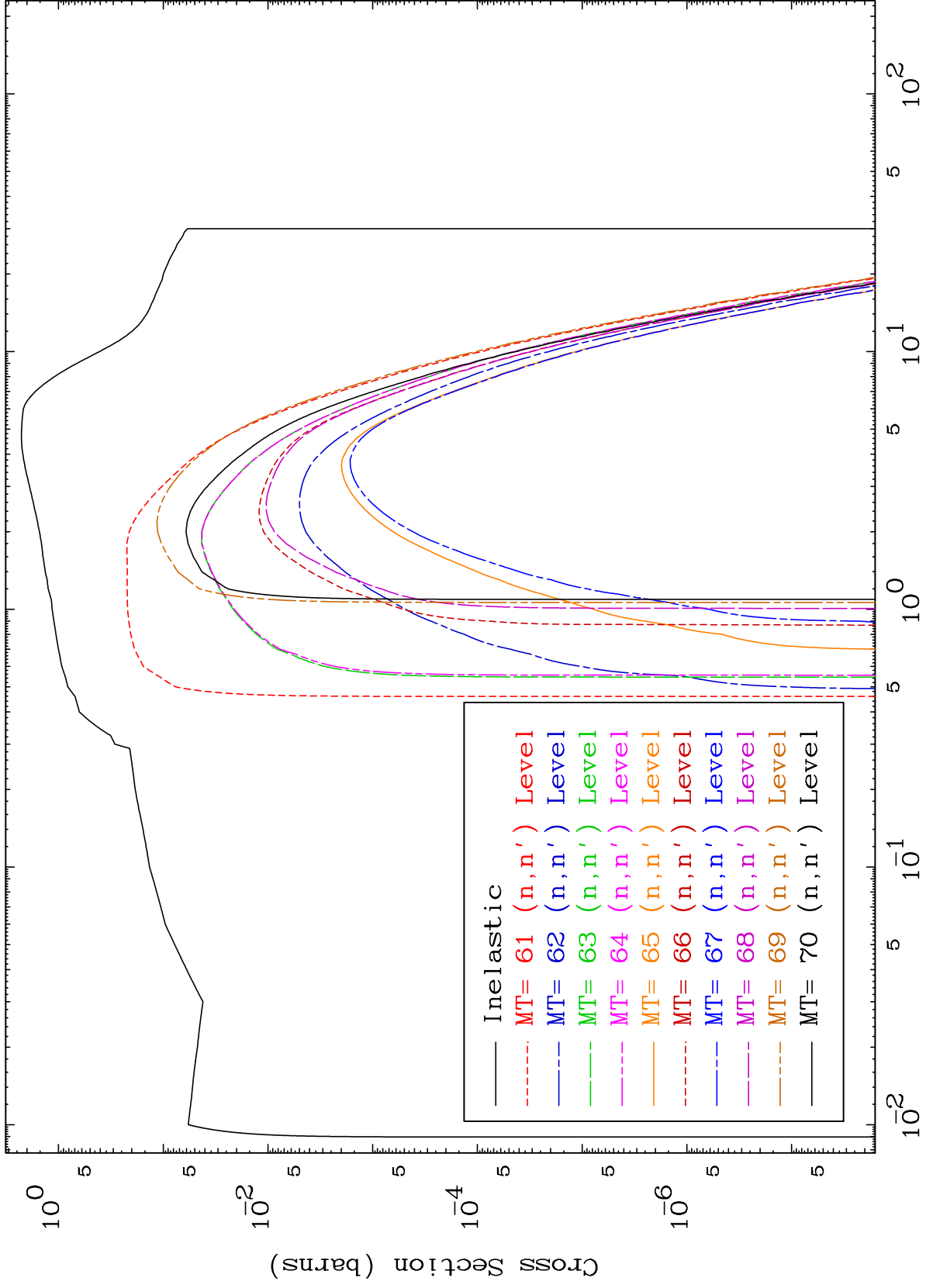
50-Sn-128m



MAT 5074

293 Kelvin Cross Sections  
(n, n') Levels

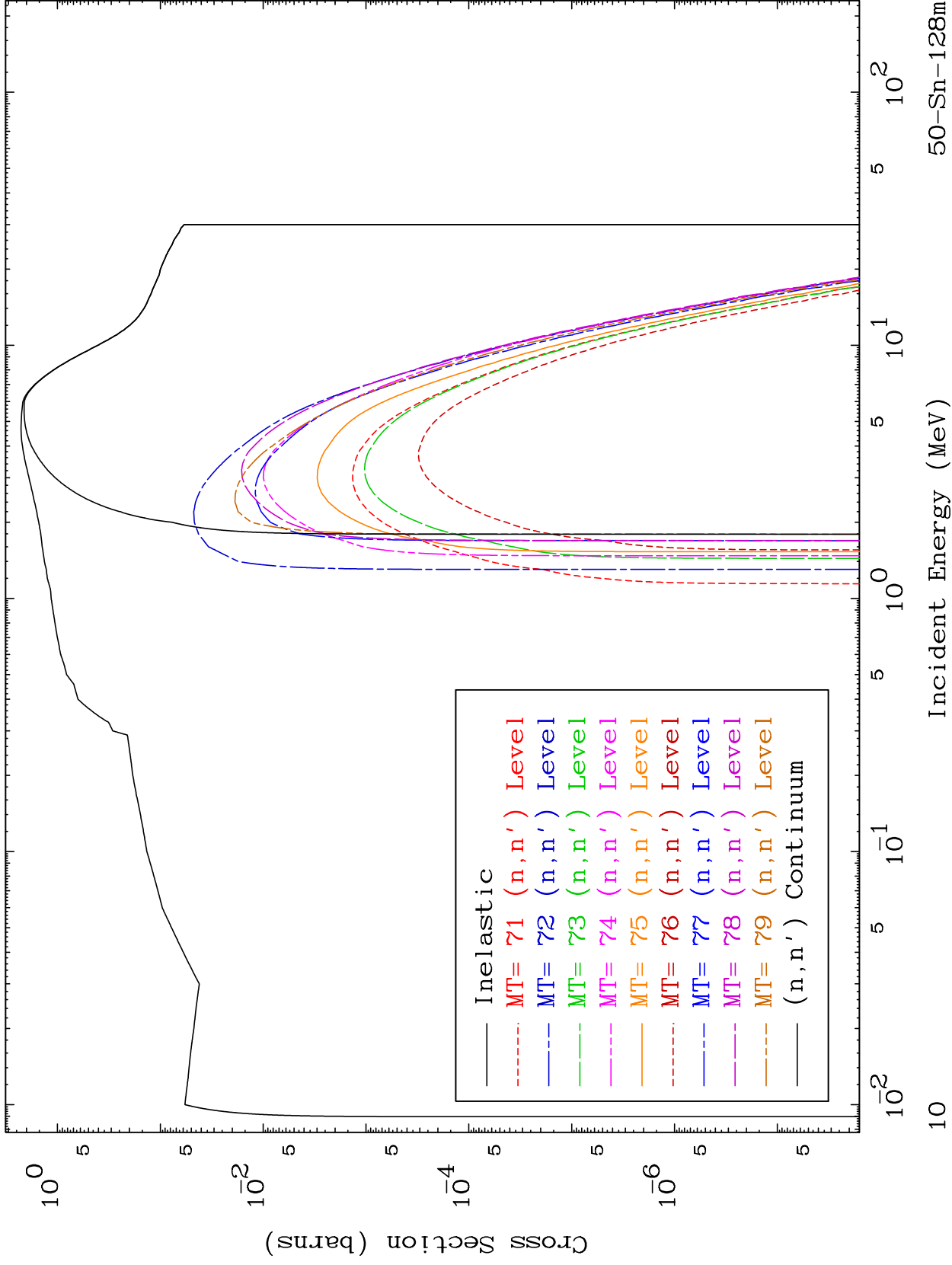
50-Sn-128m



MAT 5074

293 Kelvin Cross Sections  
(n,n') Levels

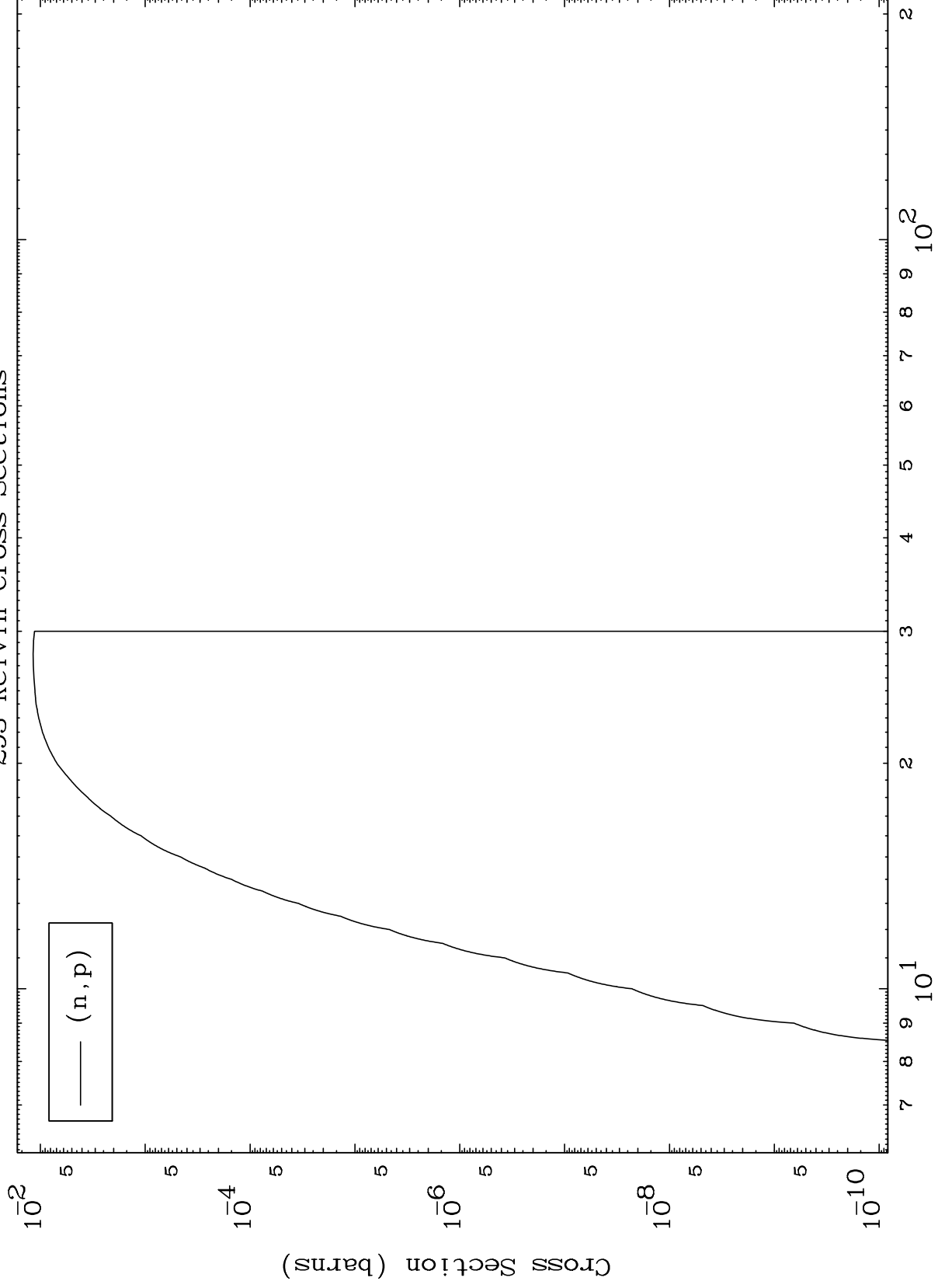
50-Sn-128m



MAT 5074

(n,p) Levels  
293 Kelvin Cross Sections

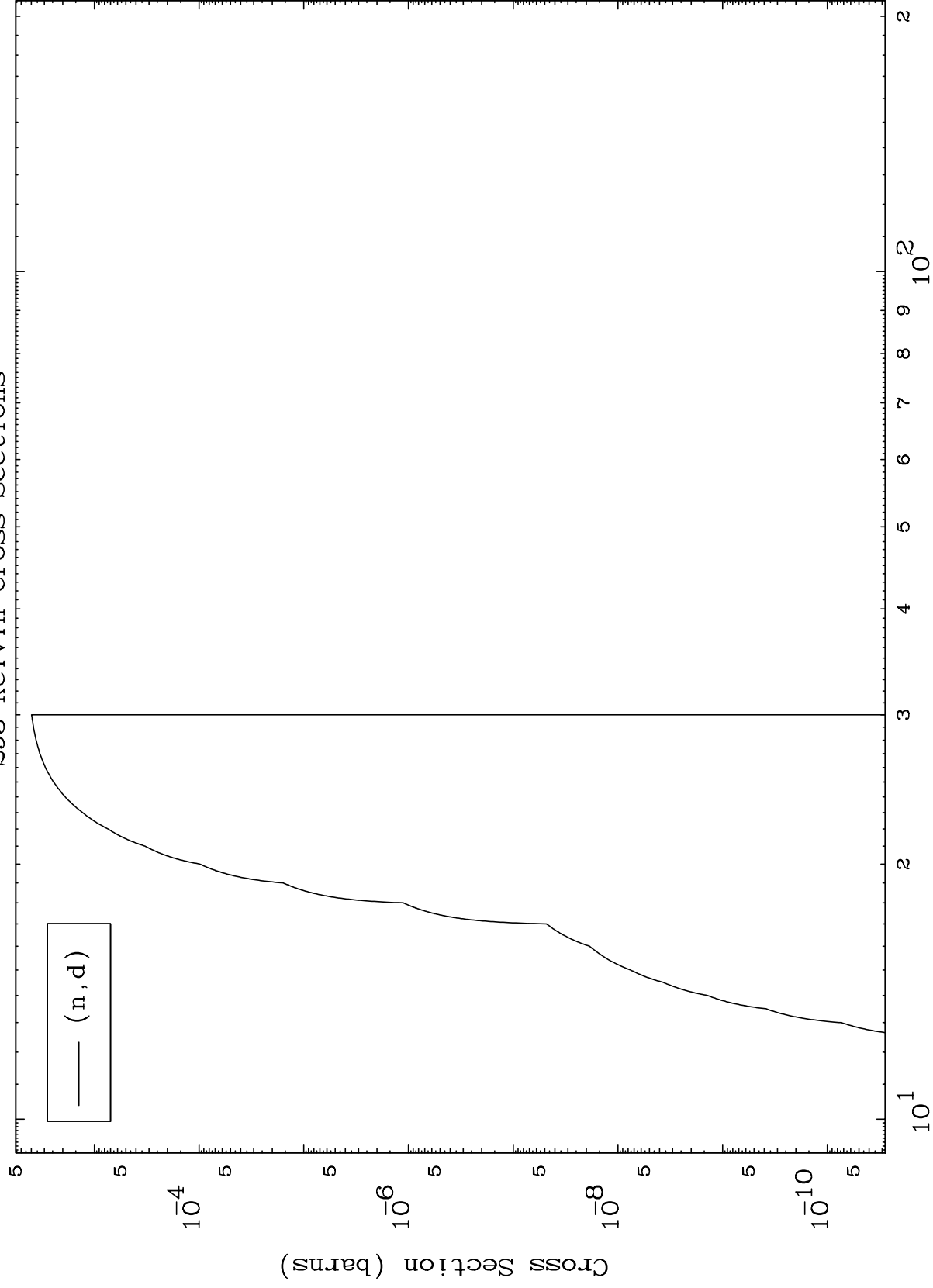
50-Sn-128m



MAT 5074

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-128m



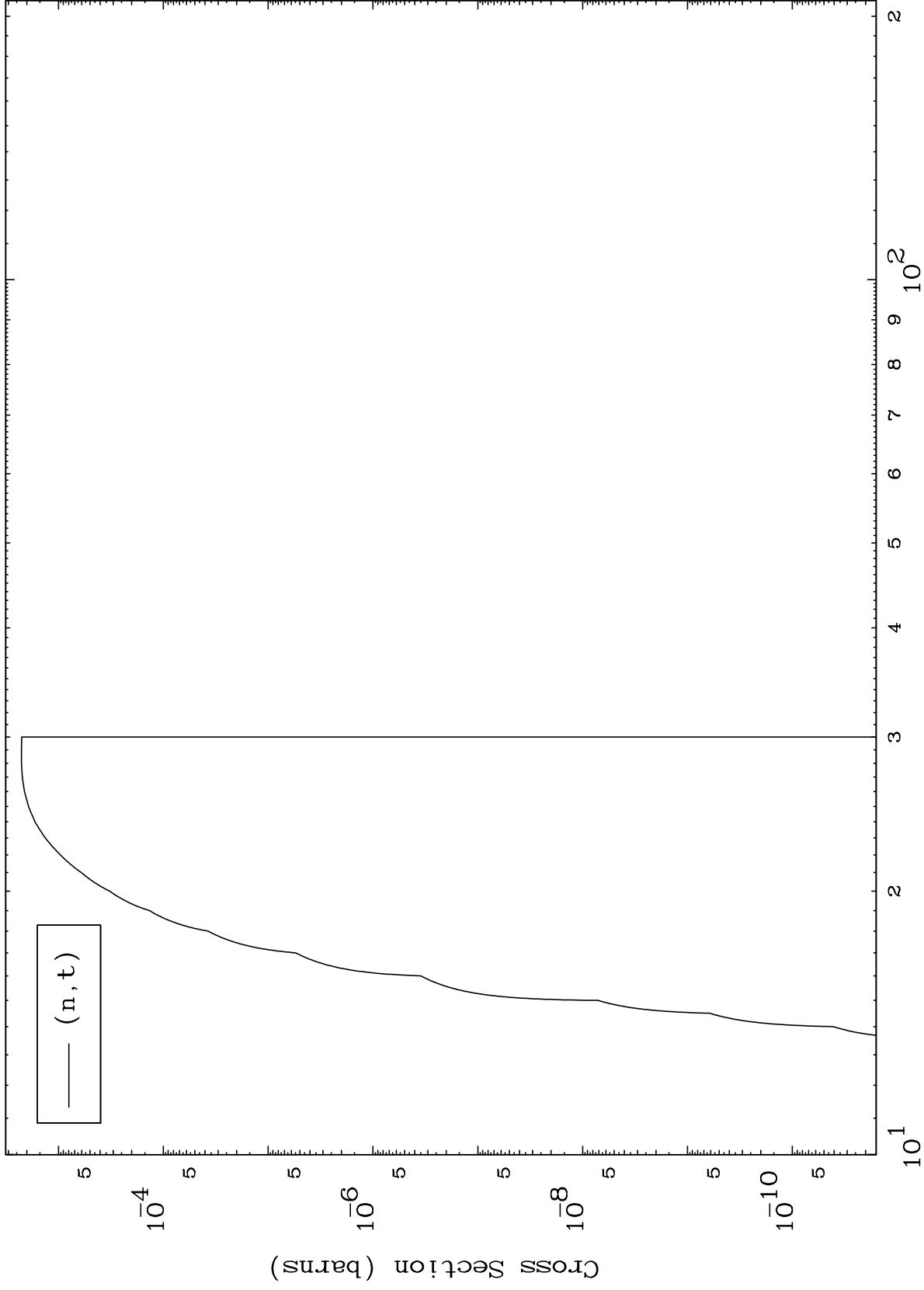
Incident Energy (MeV)

50-Sn-128m

MAT 5074

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-128m



Incident Energy (MeV)

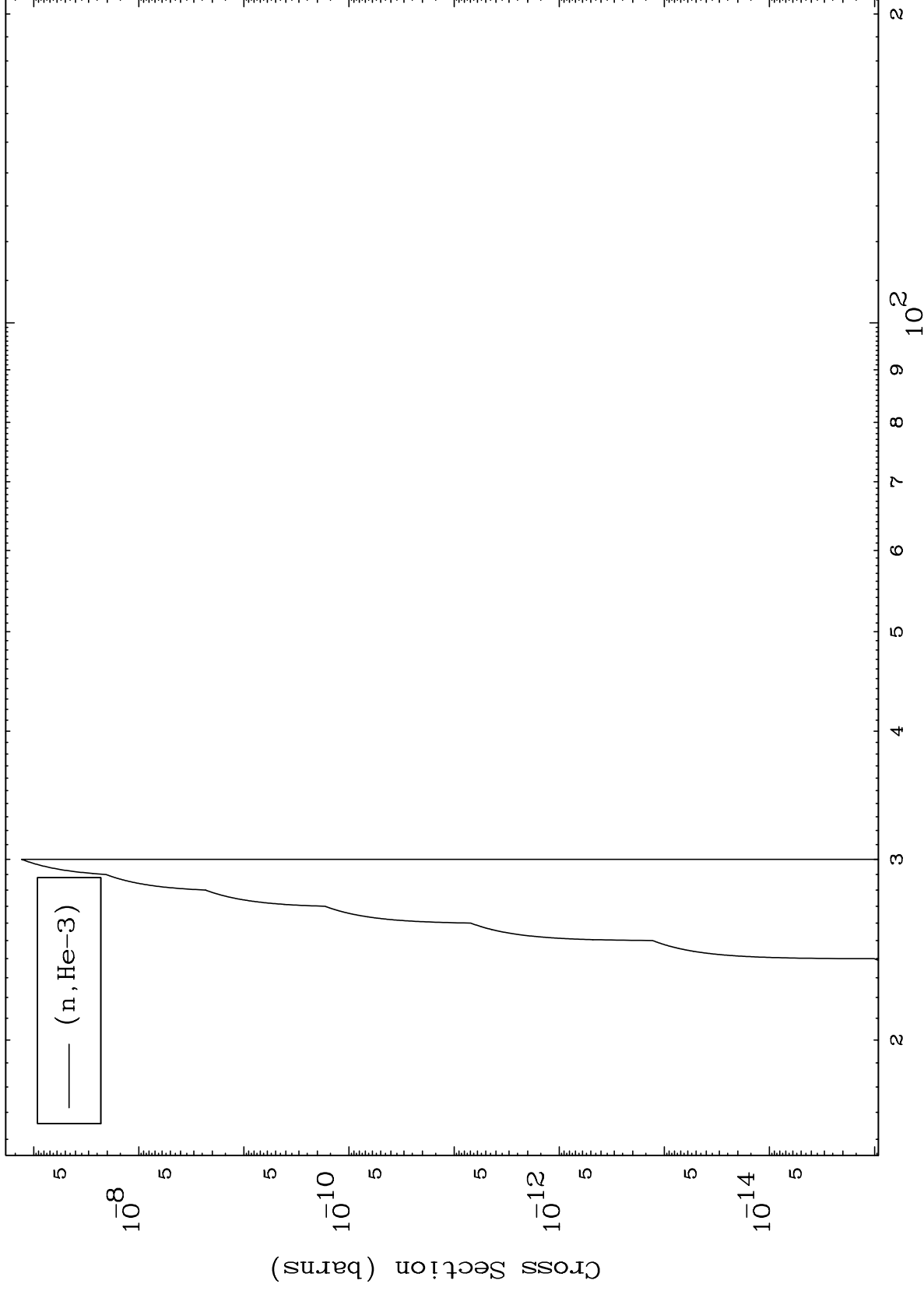
50-Sn-128m

13

MAT 5074

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-128m



14

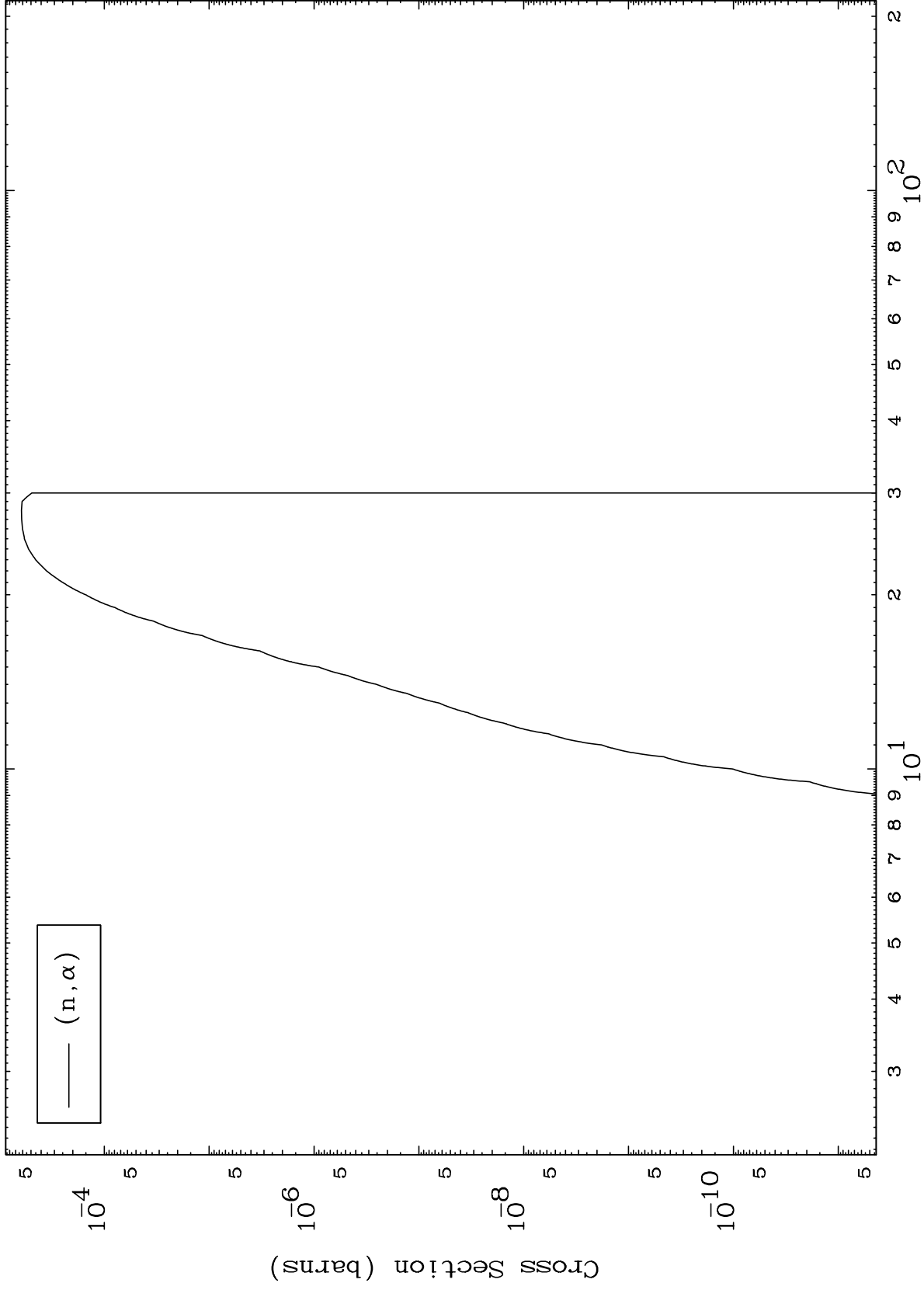
Incident Energy (MeV)

50-Sn-128m

MAT 5074

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

50-Sn-128m

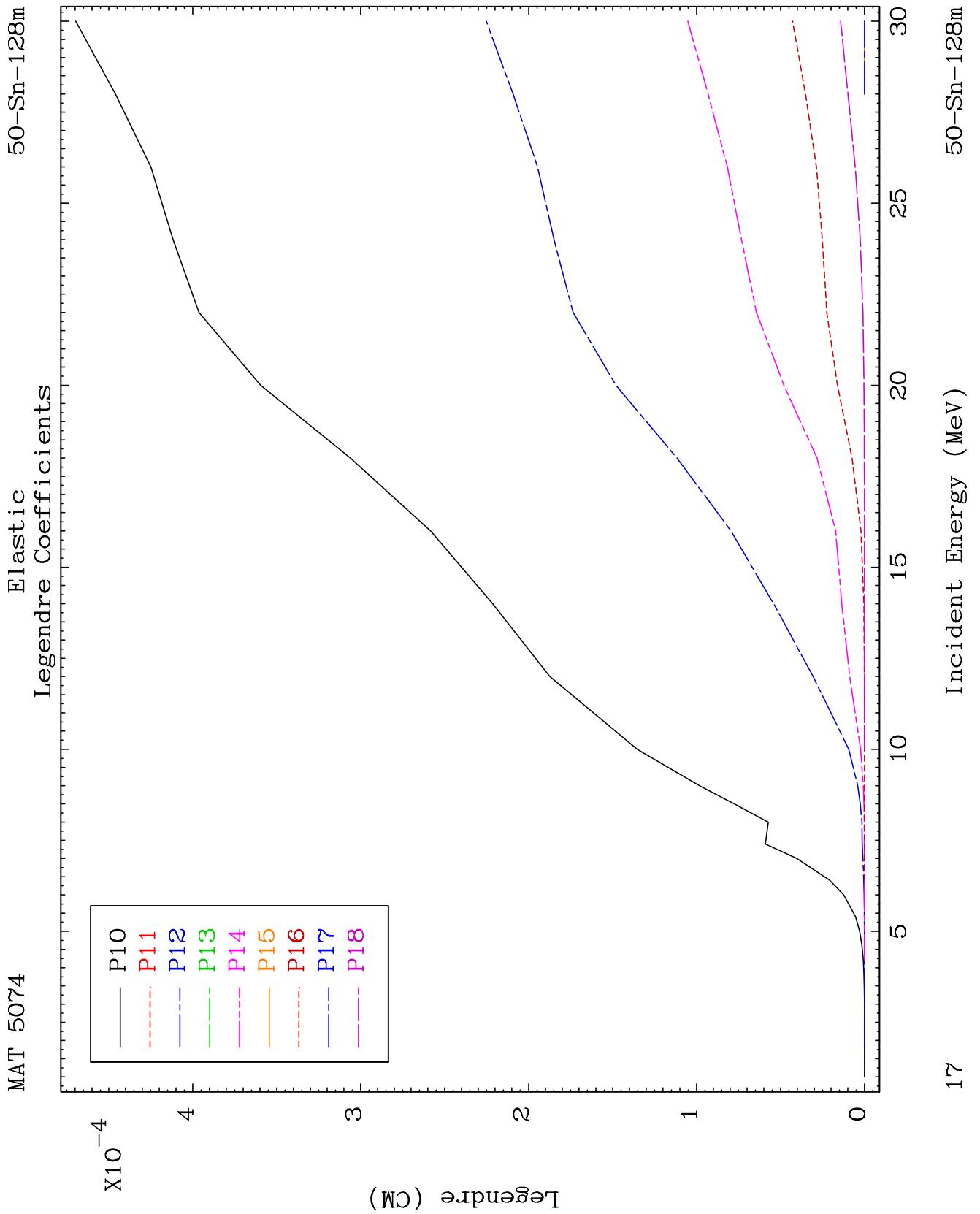


15

Incident Energy (MeV)

50-Sn-128m

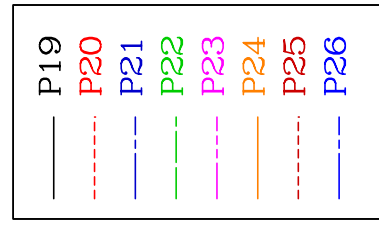




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Elastic  
Legendre Coefficients

50-Sn-128m



$\times 10^{-7}$

Legendre (CM)



18

Incident Energy (MeV)

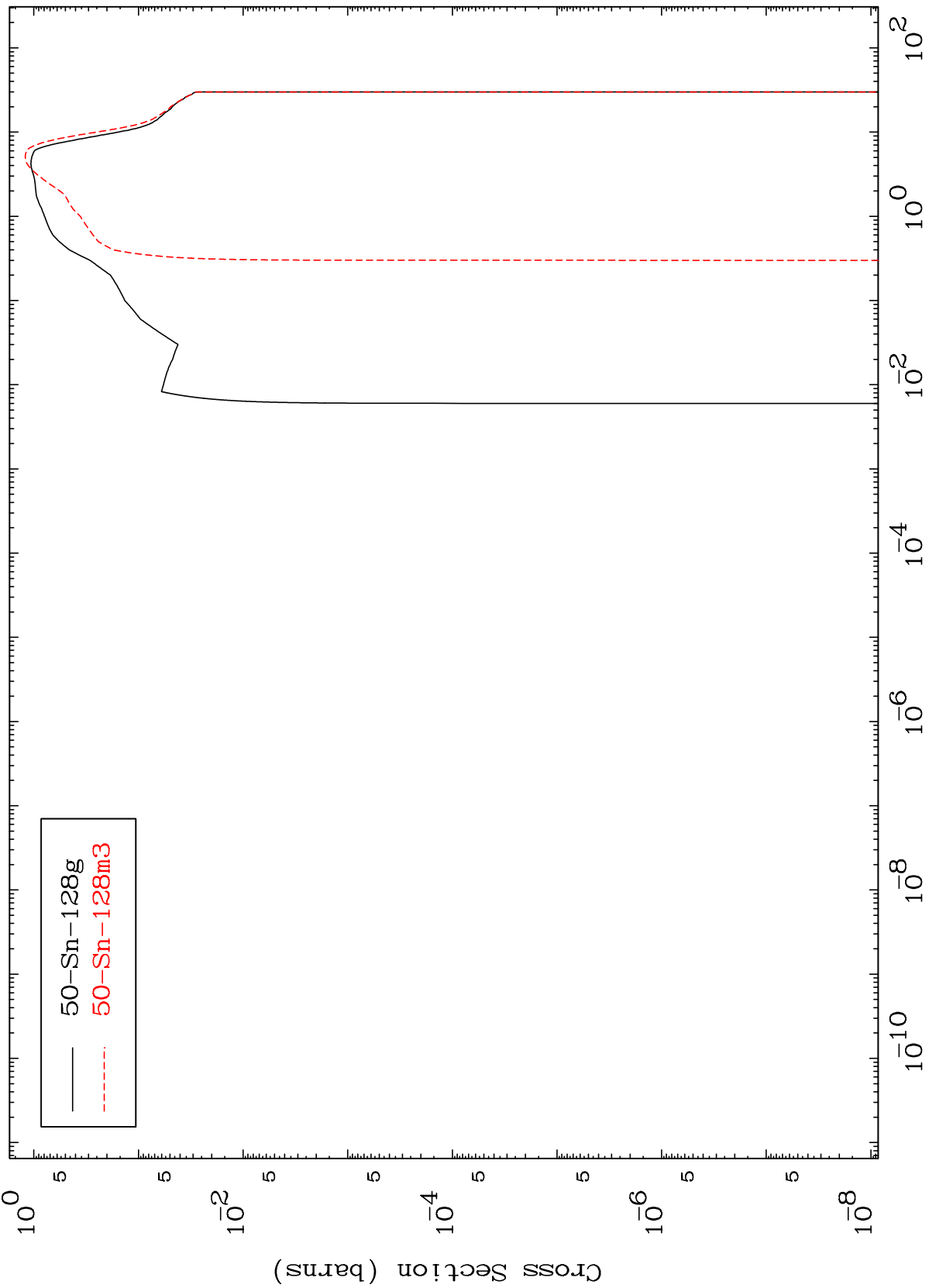
50-Sn-128m

MAT 5074

50-Sn-128m

Inelastic

Radionuclide Production Cross Section



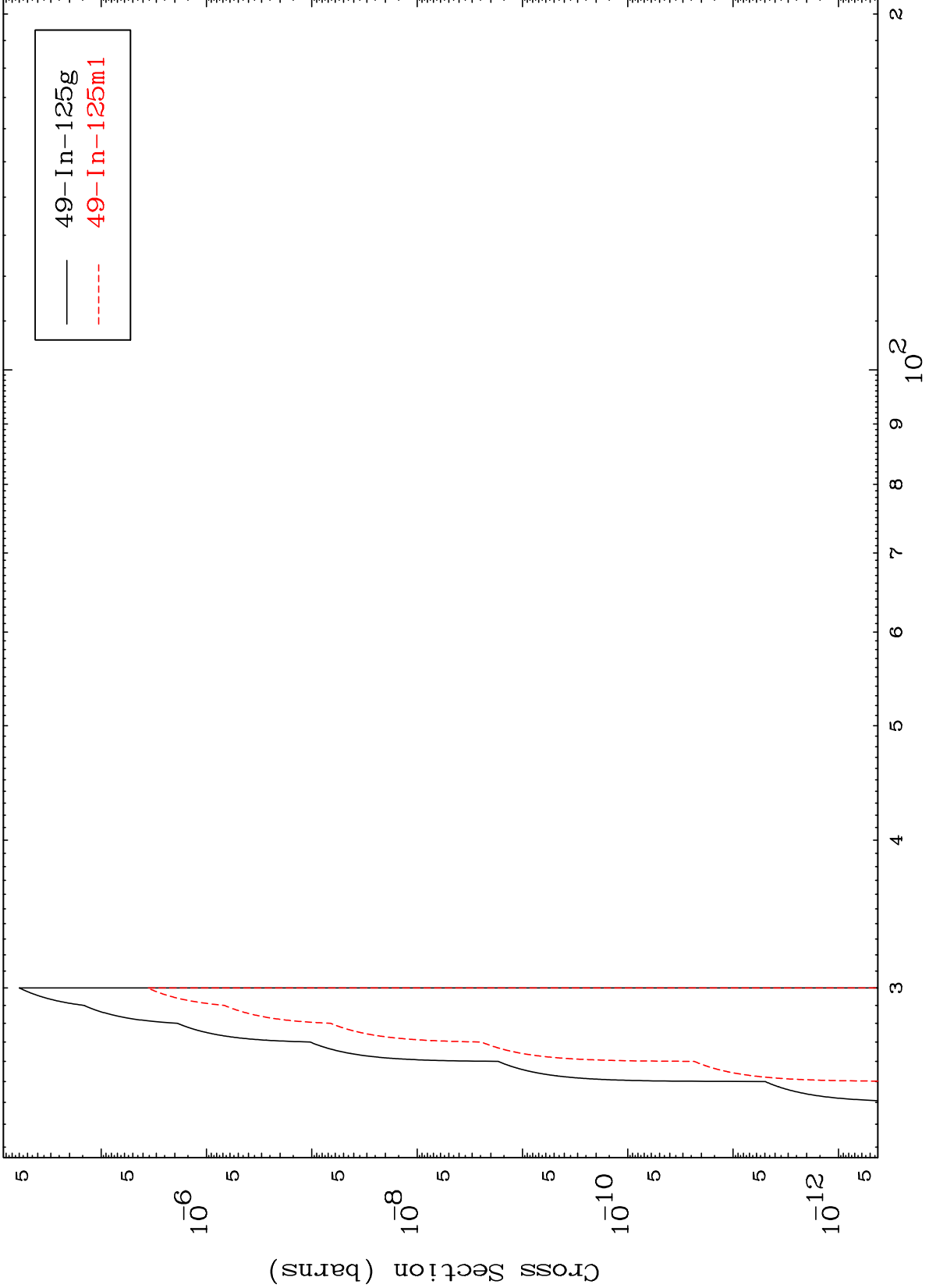
50-Sn-128g  
50-Sn-128m3

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(n,2n) d

50-Sn-128m

Radionuclide Production Cross Section



20

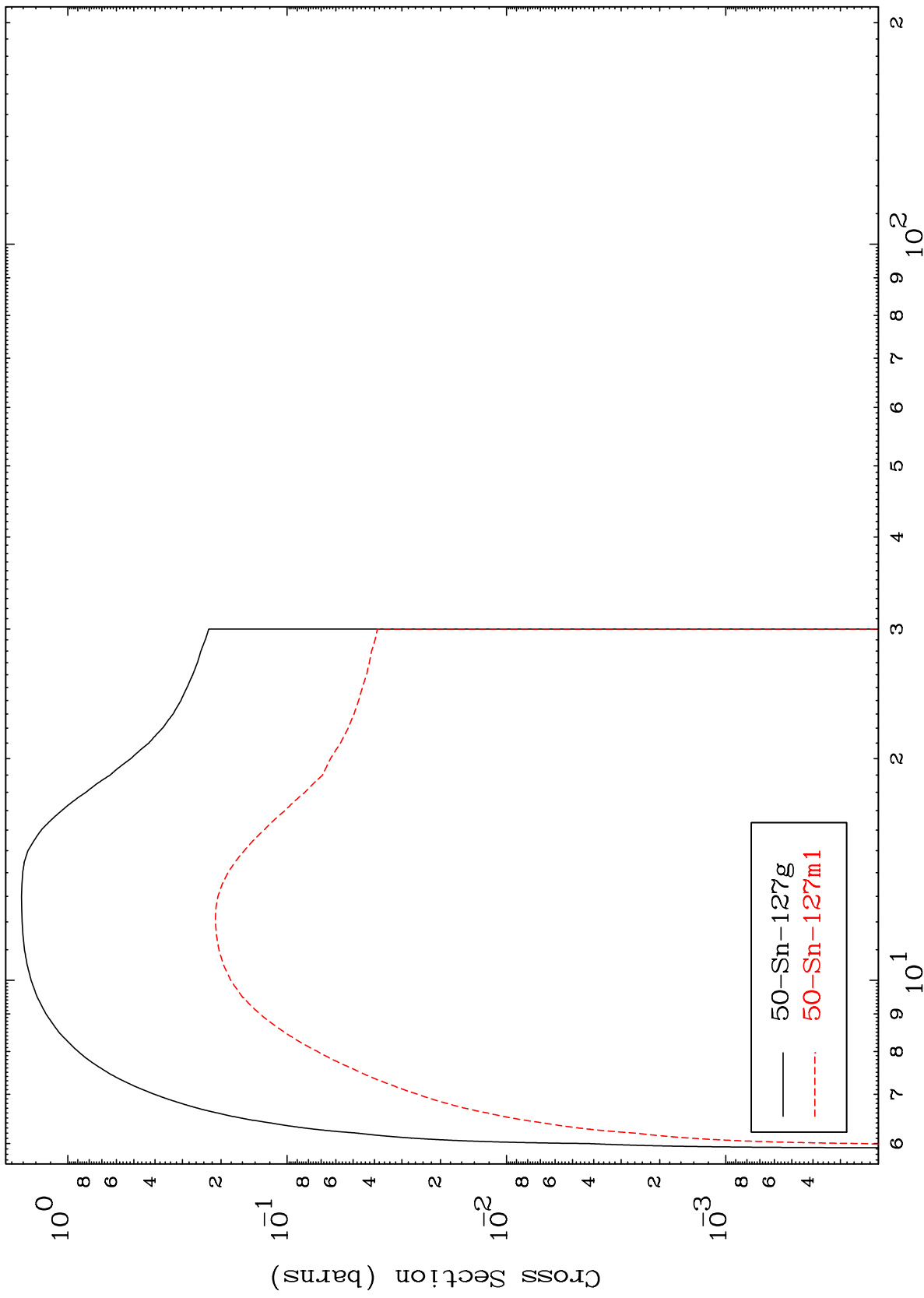
Incident Energy (MeV)

50-Sn-128m

MAT 5074

50-Sn-128m

(n,2n)  
Radionuclide Production Cross Section



50-Sn-128m

Incident Energy (MeV)

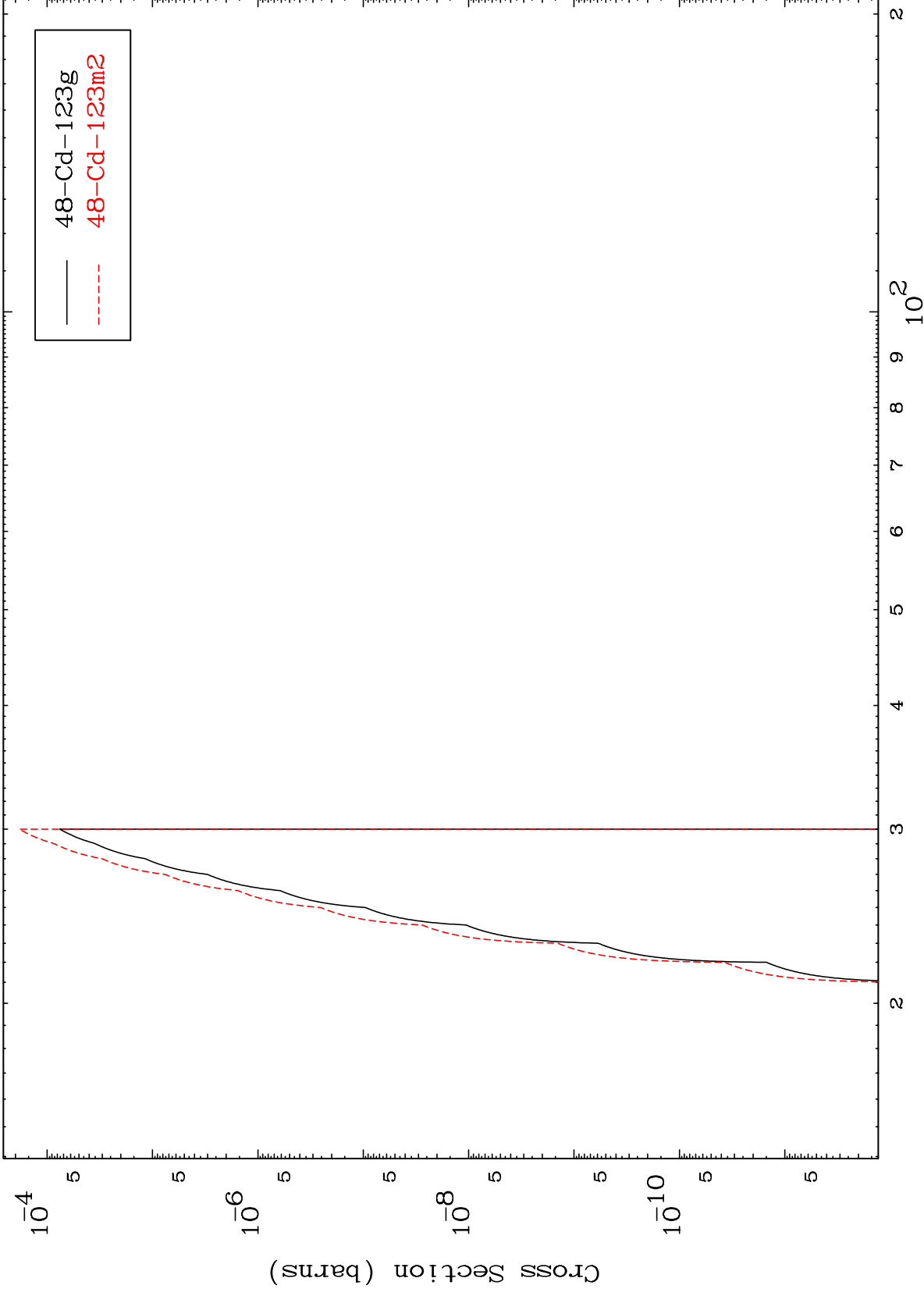
21

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(n,2n)  $\alpha$

50-Sn-128m

Radionuclide Production Cross Section



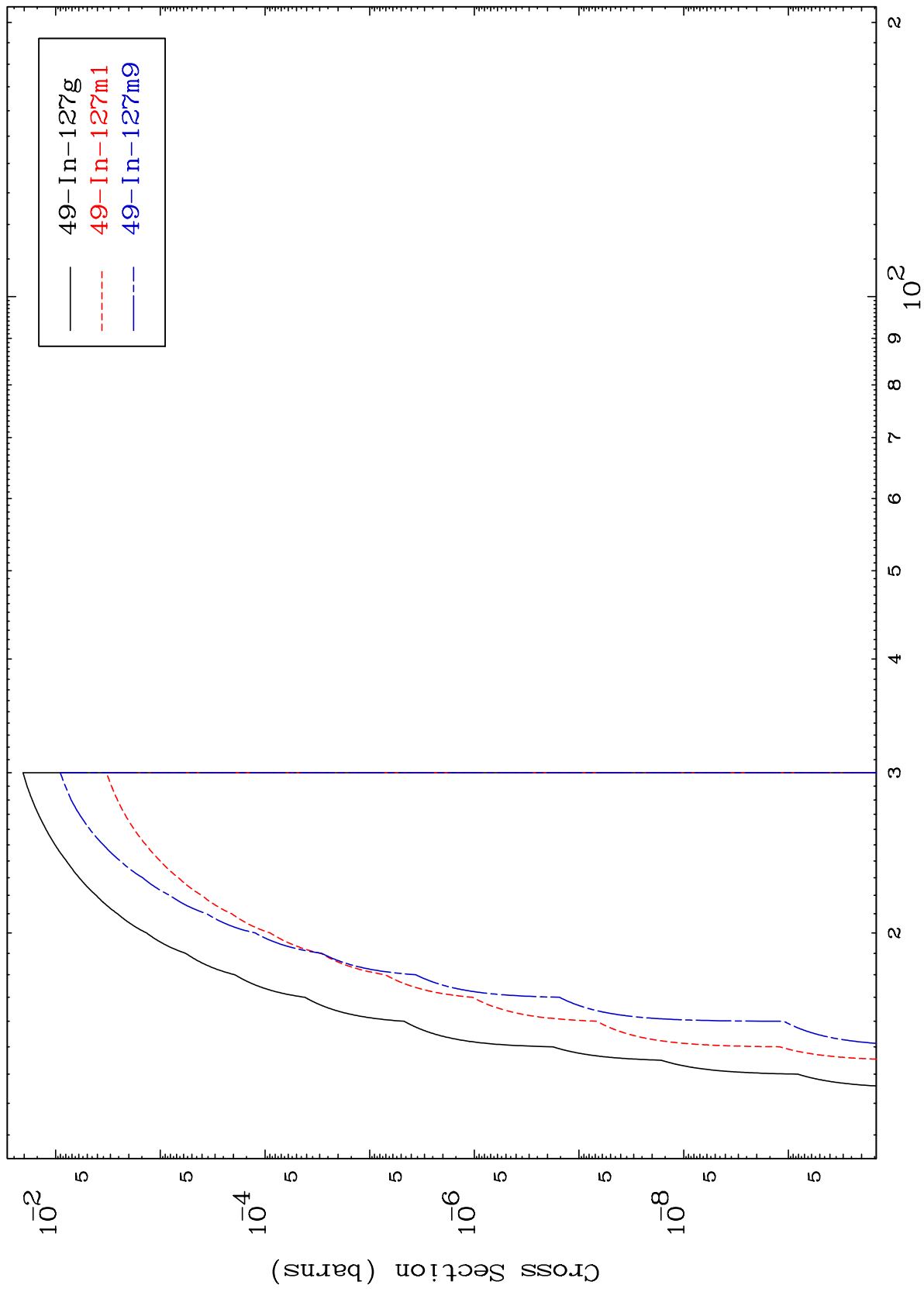
48-Cd-123g  
48-Cd-123m2

MAT 5074

(n,n') p

50-Sn-128m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

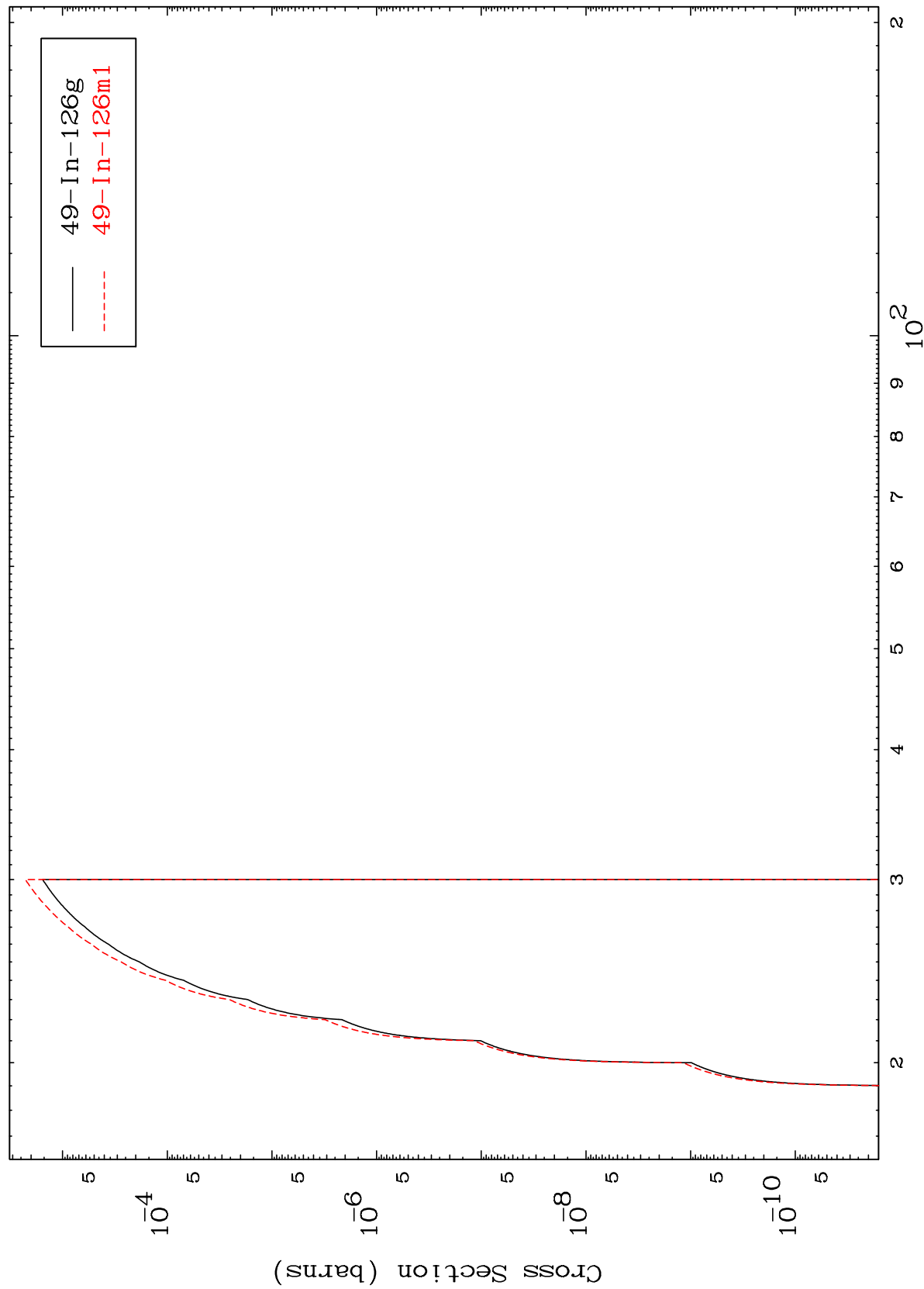
50-Sn-128m

MAT 5074

(n,n') d

50-Sn-128m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

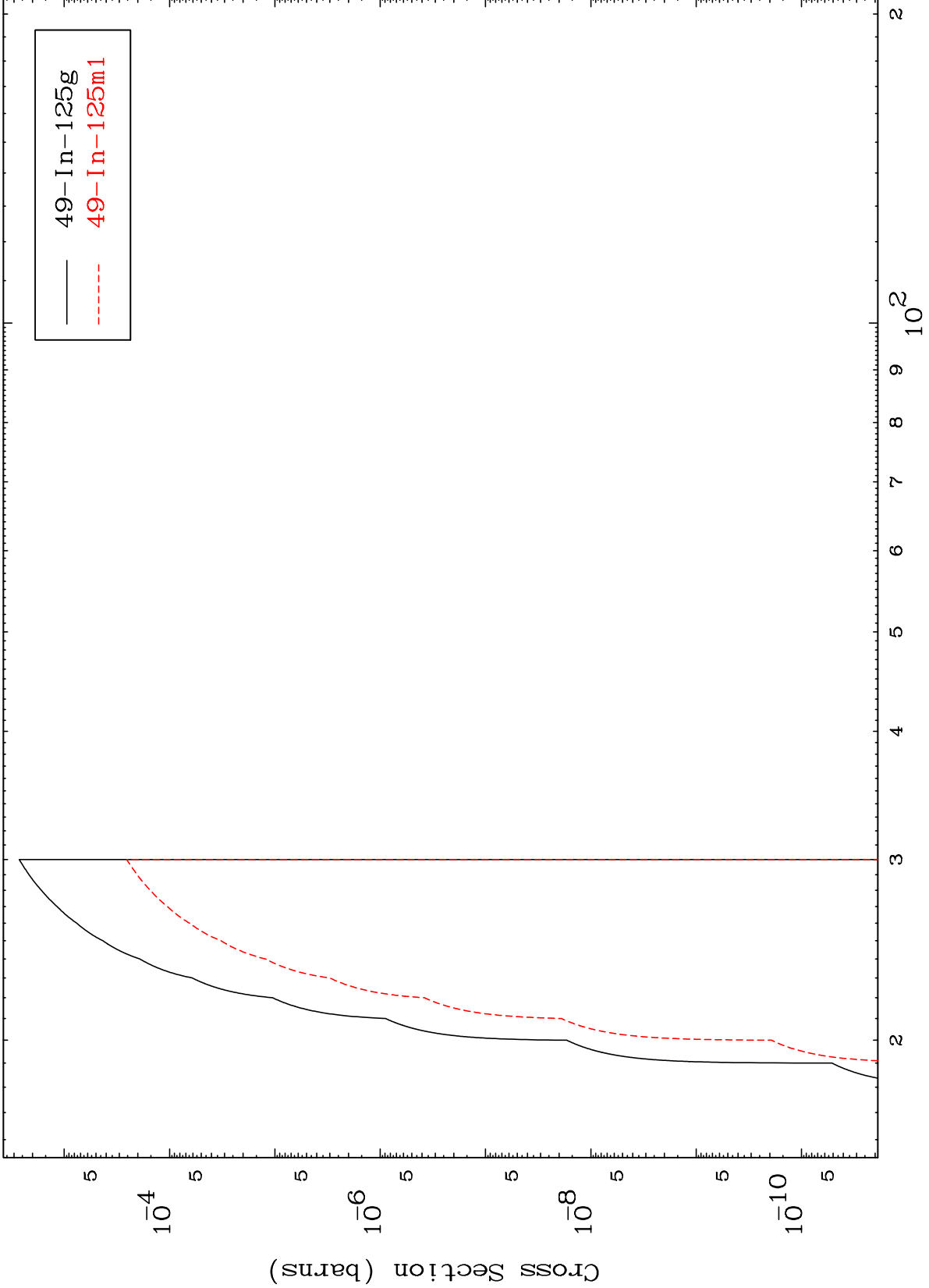
50-Sn-128m

MAT 5074

(n,n') t

50-Sn-128m

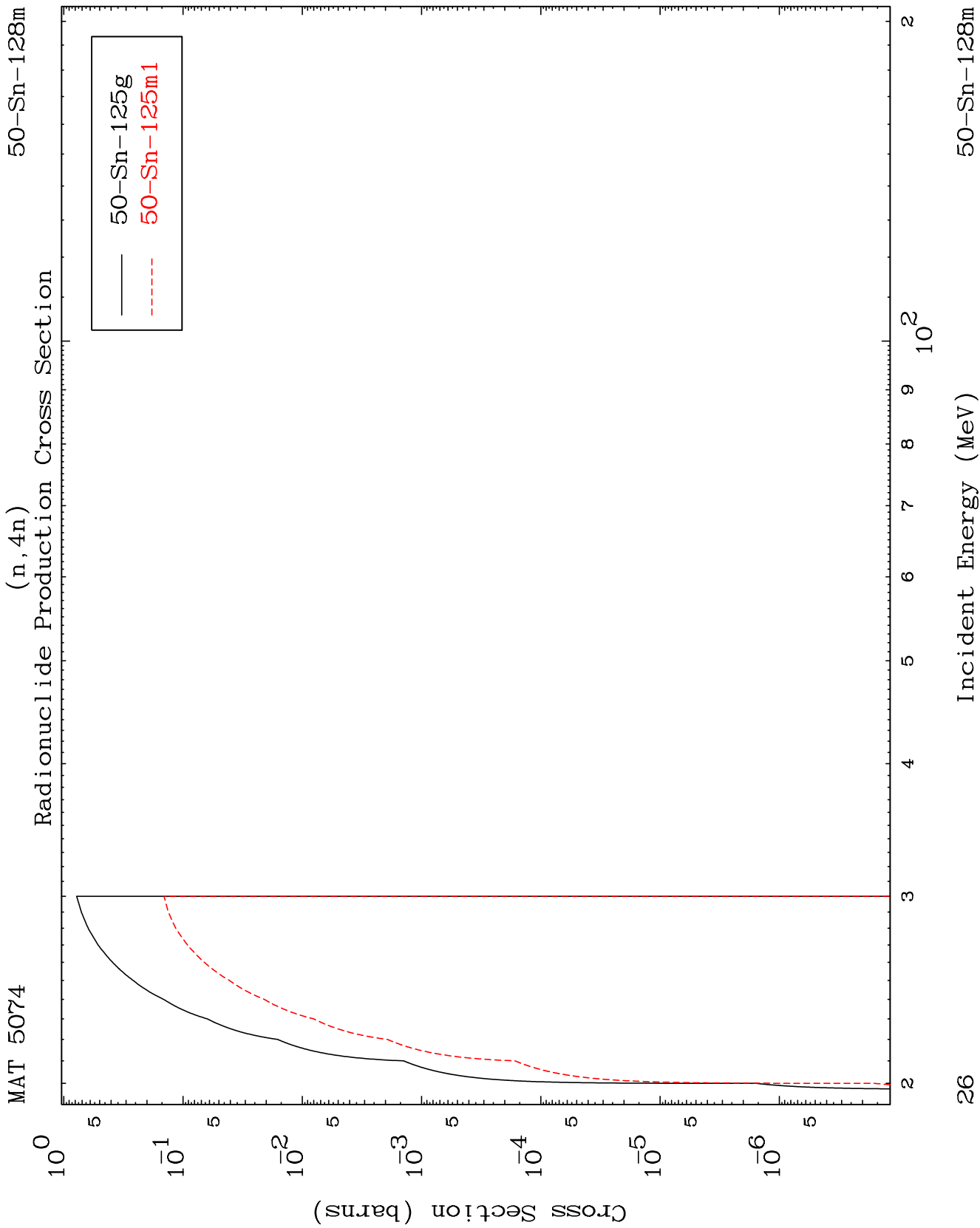
Radionuclide Production Cross Section



25

Incident Energy (MeV)

50-Sn-128m

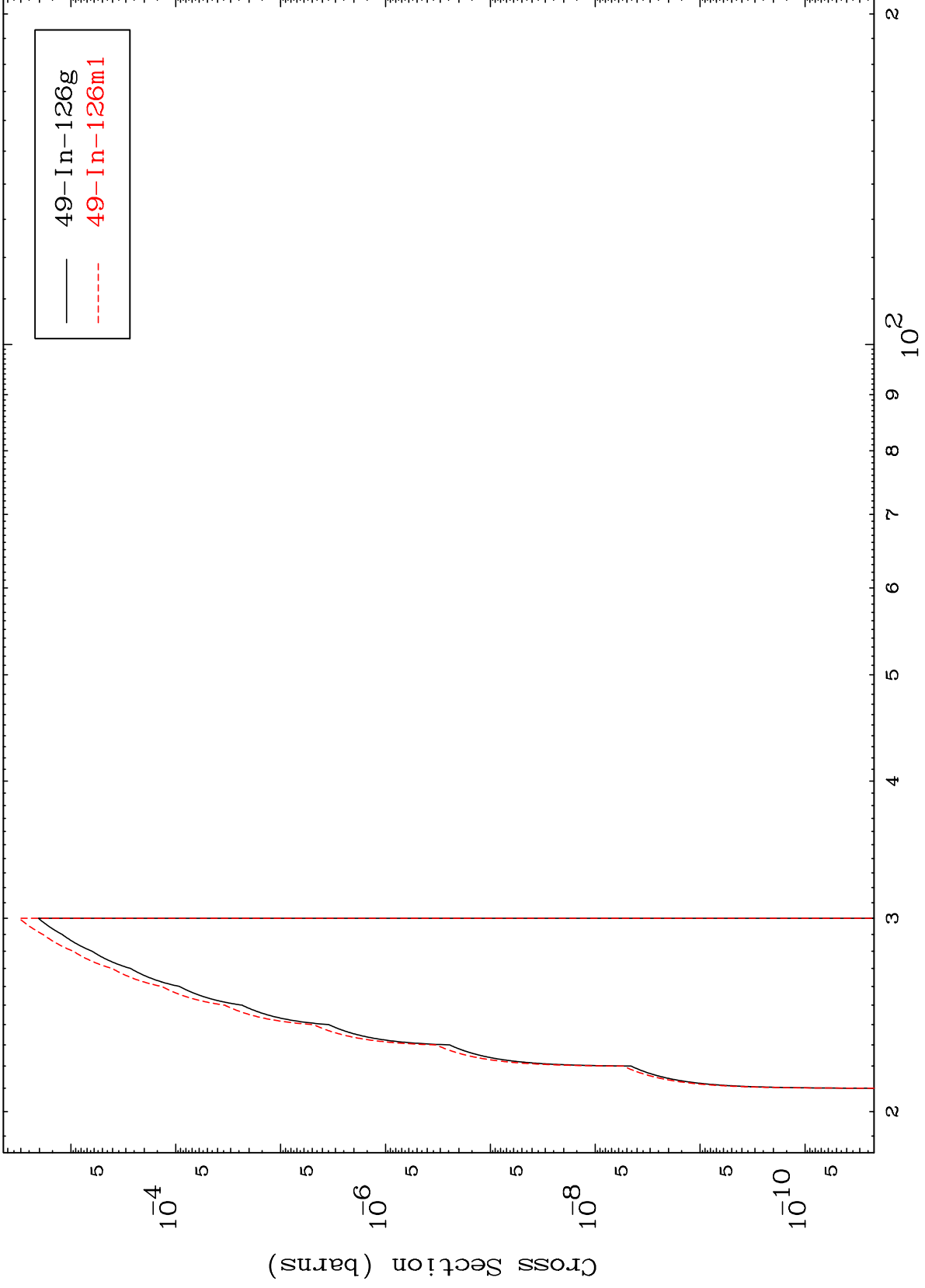


MAT 5074

(n,2n) p

50-Sn-128m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

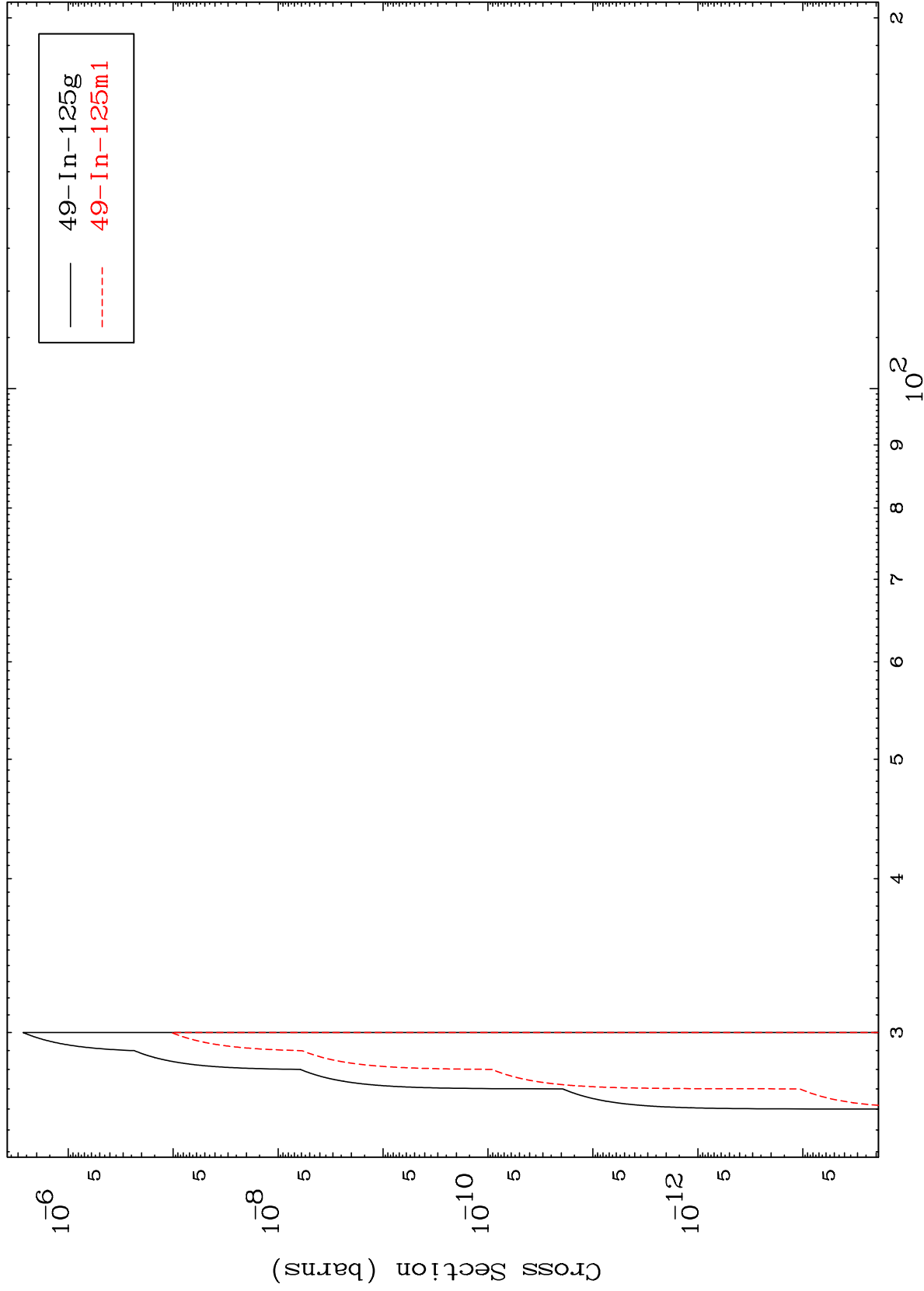
50-Sn-128m

MAT 5074

(n,3n) p

50-Sn-128m

Radionuclide Production Cross Section



28

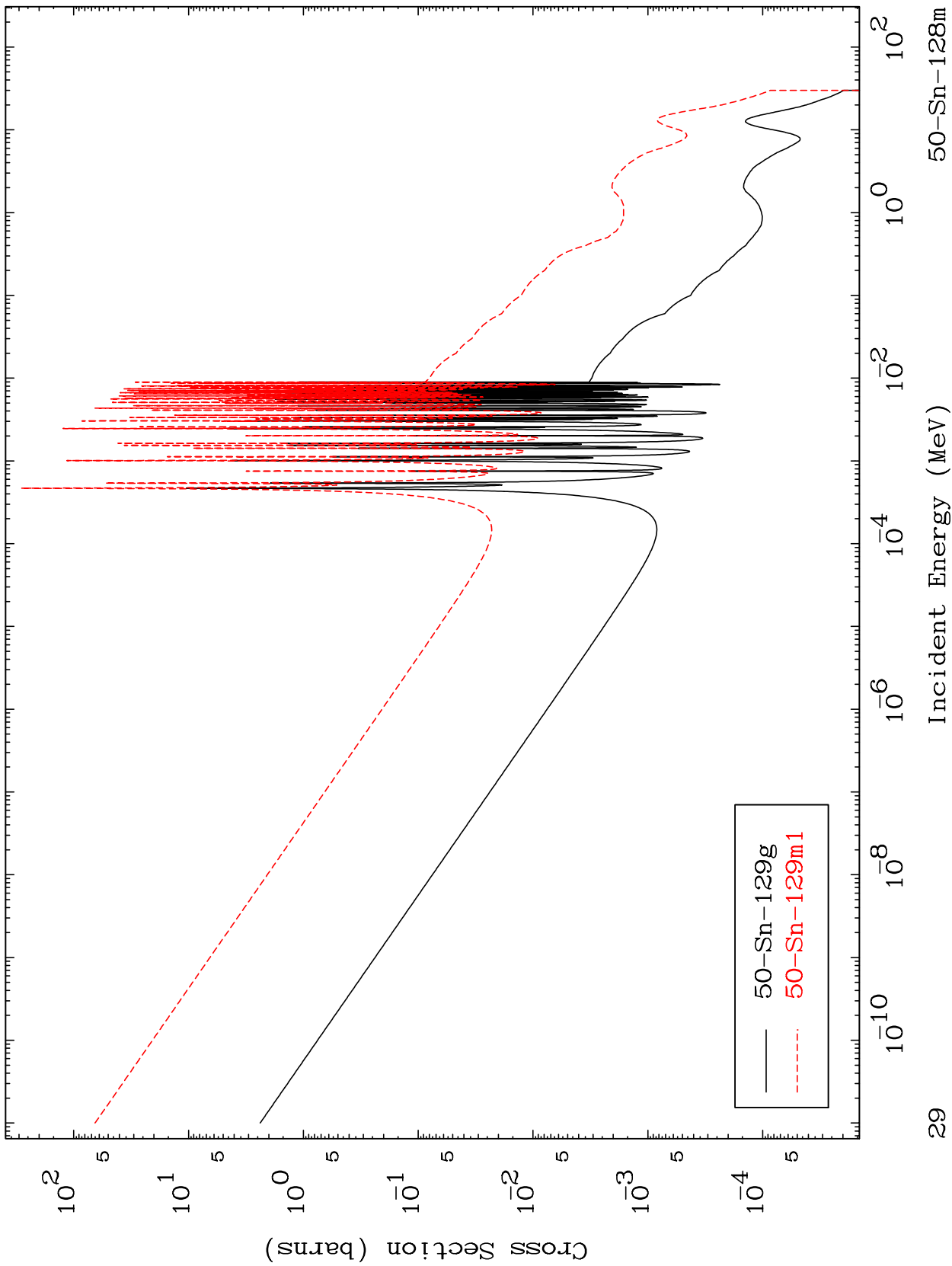
Incident Energy (MeV)

50-Sn-128m

MAT 5074

50-Sn-128m

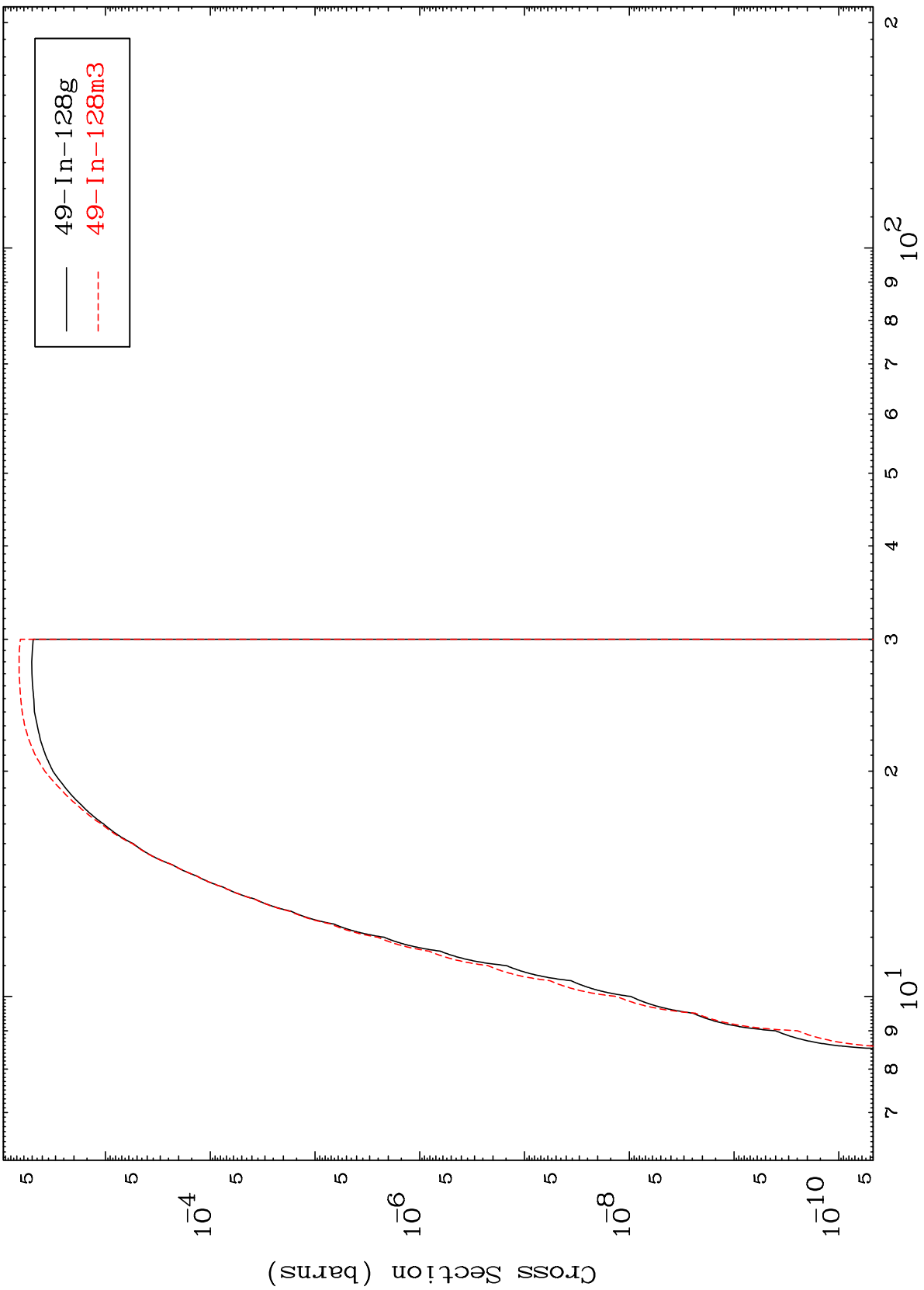
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 5074

50-Sn-128m

(n,p)  
Radionuclide Production Cross Section



30

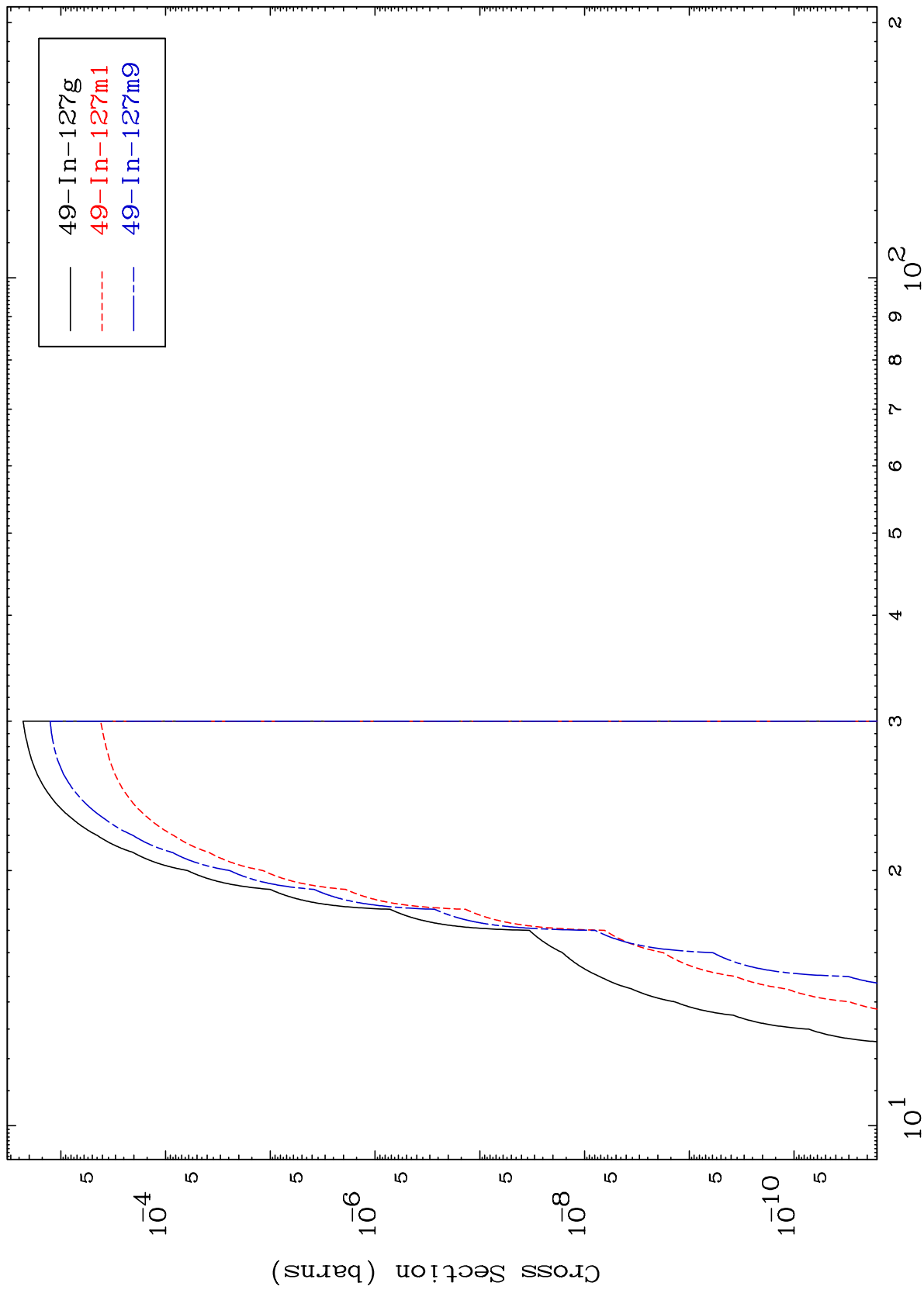
Incident Energy (MeV)

50-Sn-128m

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50-Sn-128m

(n,d)  
Radionuclide Production Cross Section



50-Sn-128m

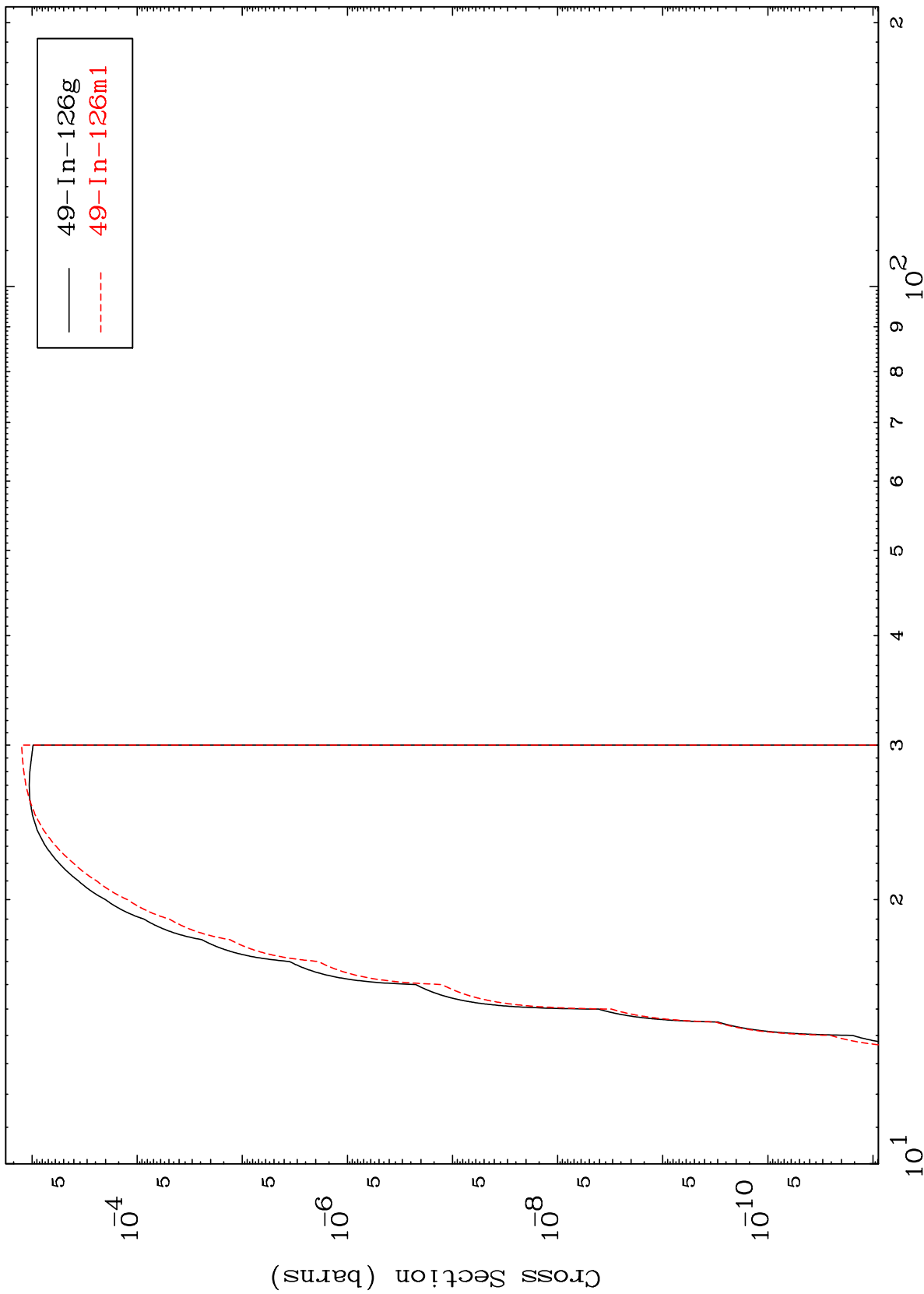
Incident Energy (MeV)

31

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50-Sn-128m

(n,t)  
Radionuclide Production Cross Section



50-Sn-128m

Incident Energy (MeV)

32