

Program EVALPLOT  
(Version 2015-2)

by

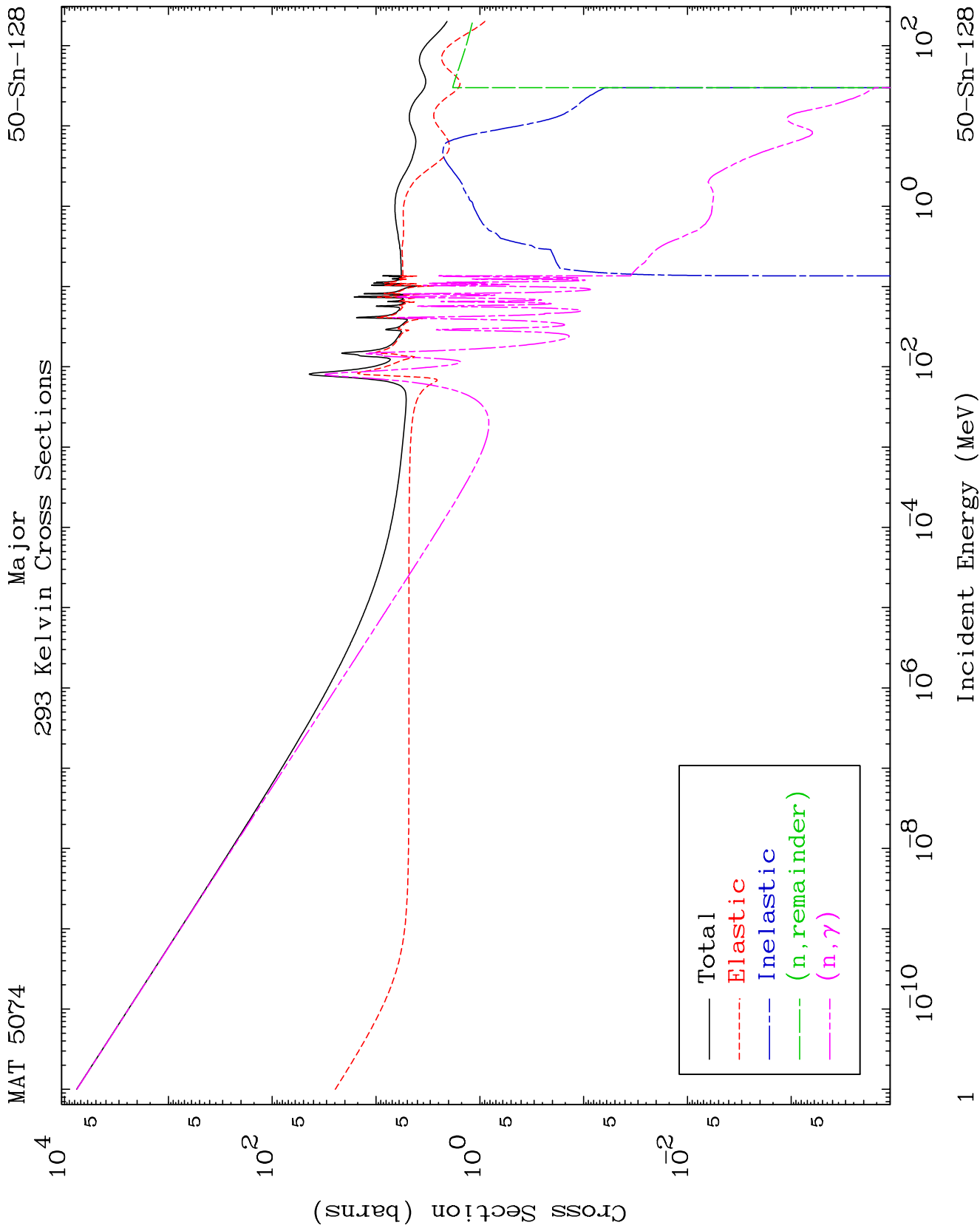
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(Present Contact Information)

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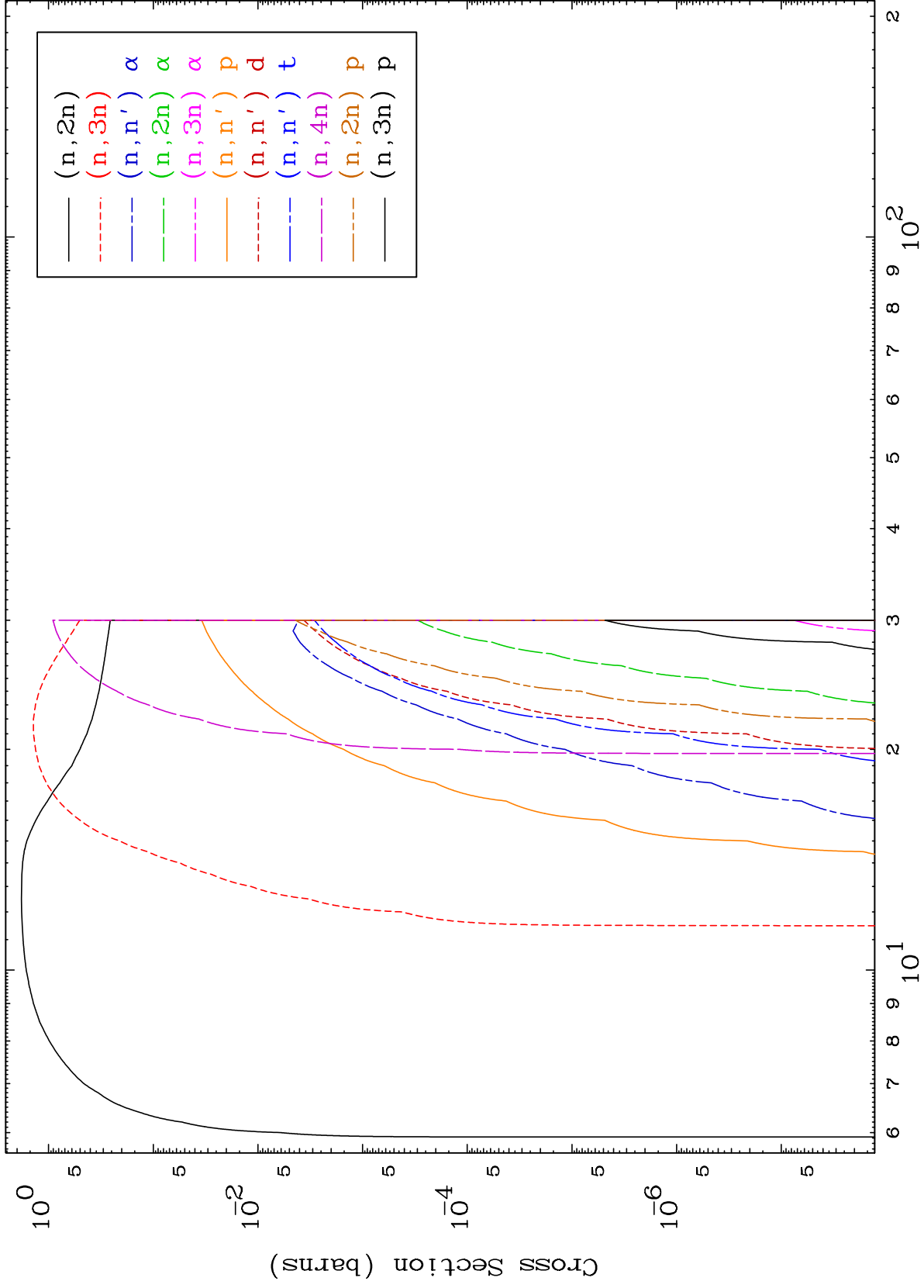
Press Mouse Button to Start



MAT 5074

Neutron Production  
293 Kelvin Cross Sections

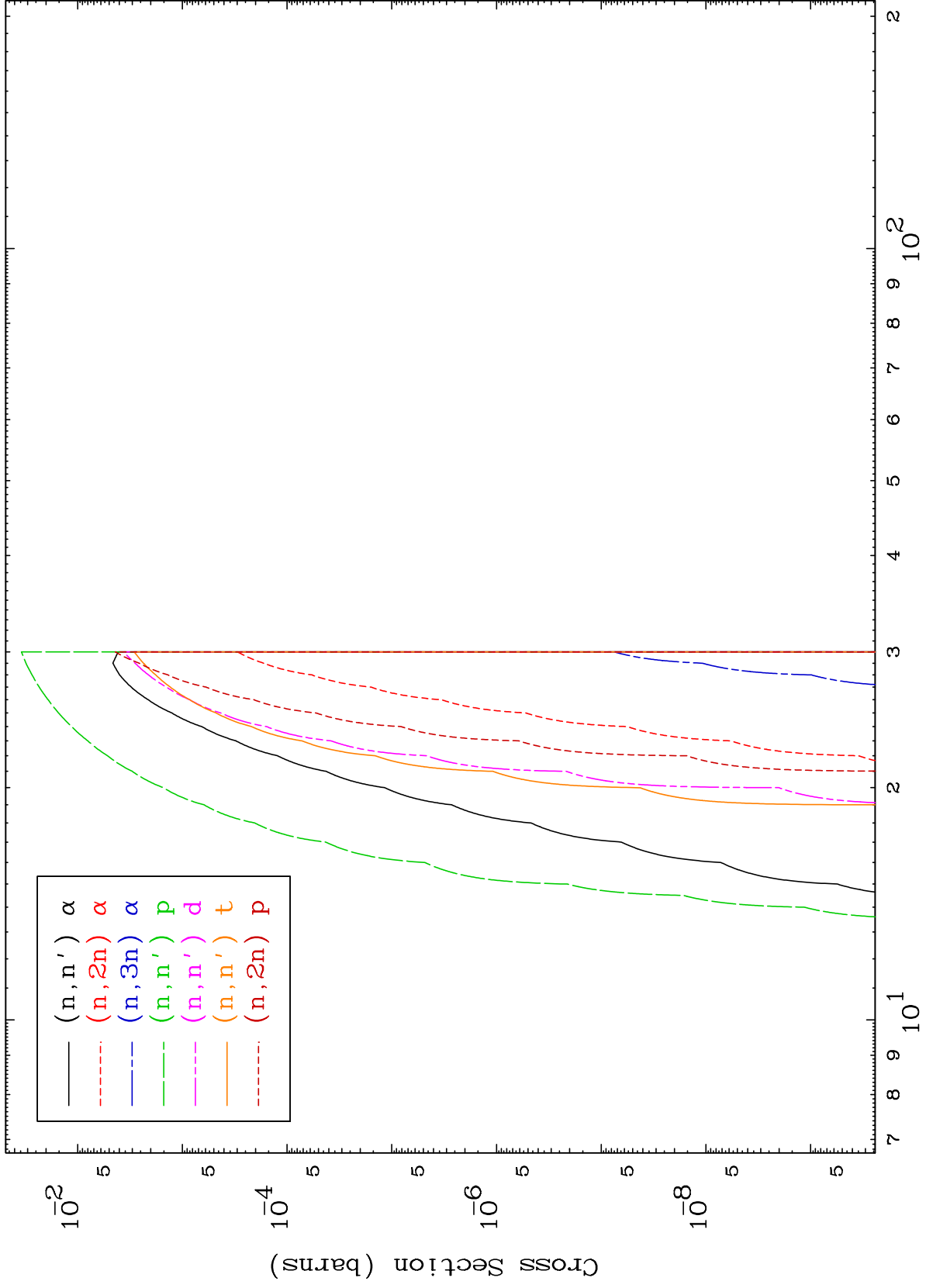
50-Sn-128



2

Incident Energy (MeV)

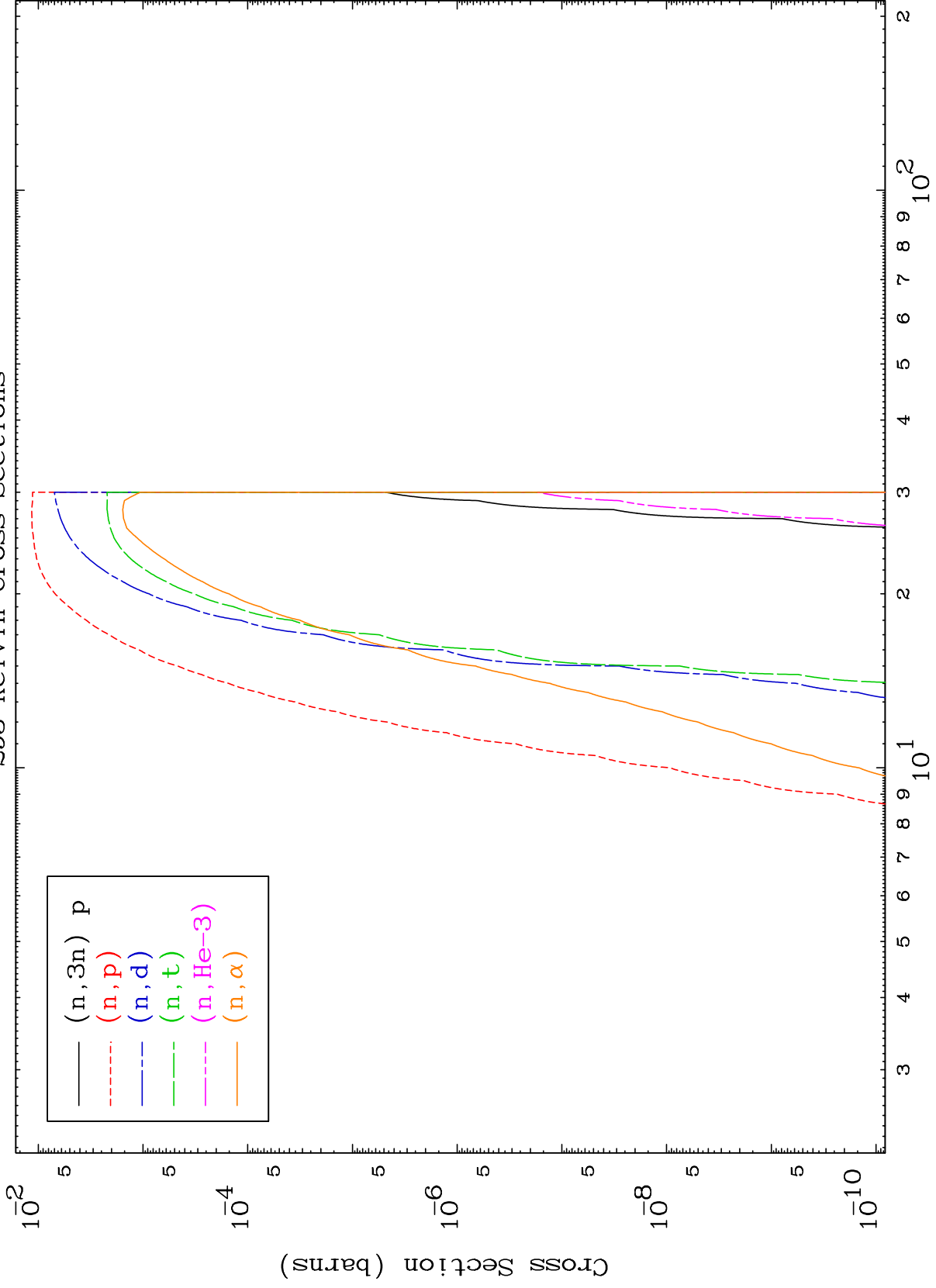
50-Sn-128

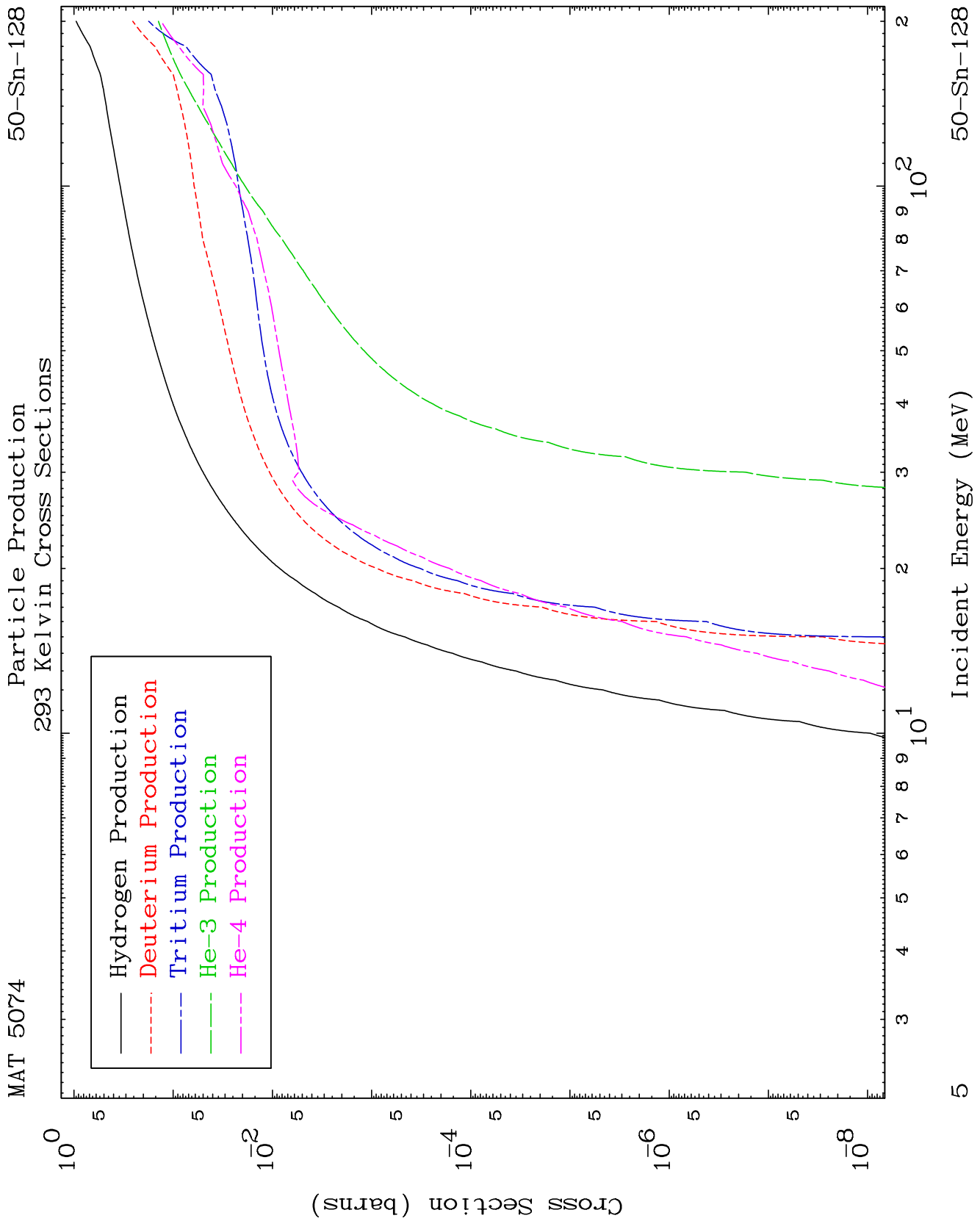


MAT 5074

Charged Particle  
293 Kelvin Cross Sections

50-Sn-128

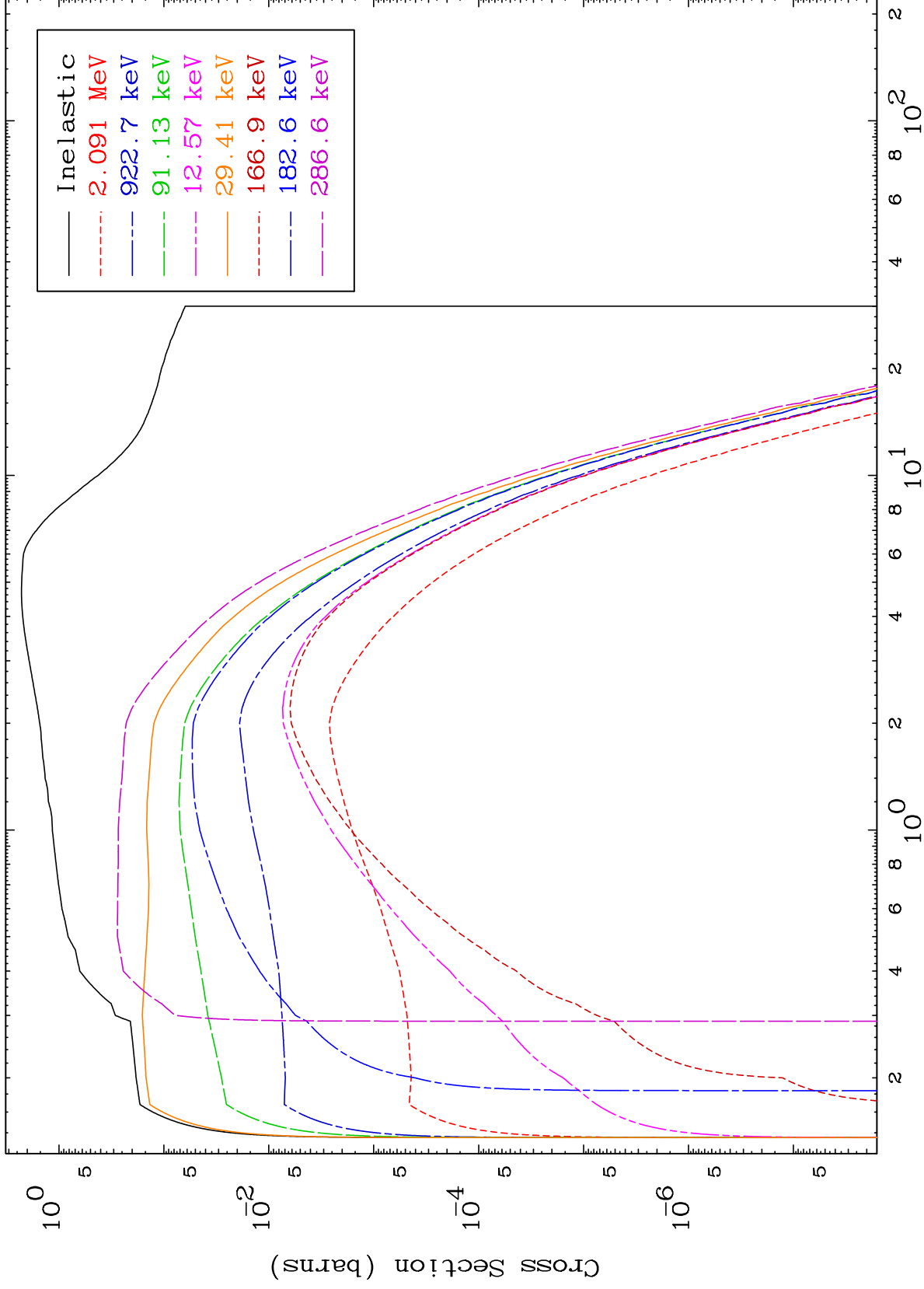




MAT 5074

(n,n') Level  
293 Kelvin Cross Sections

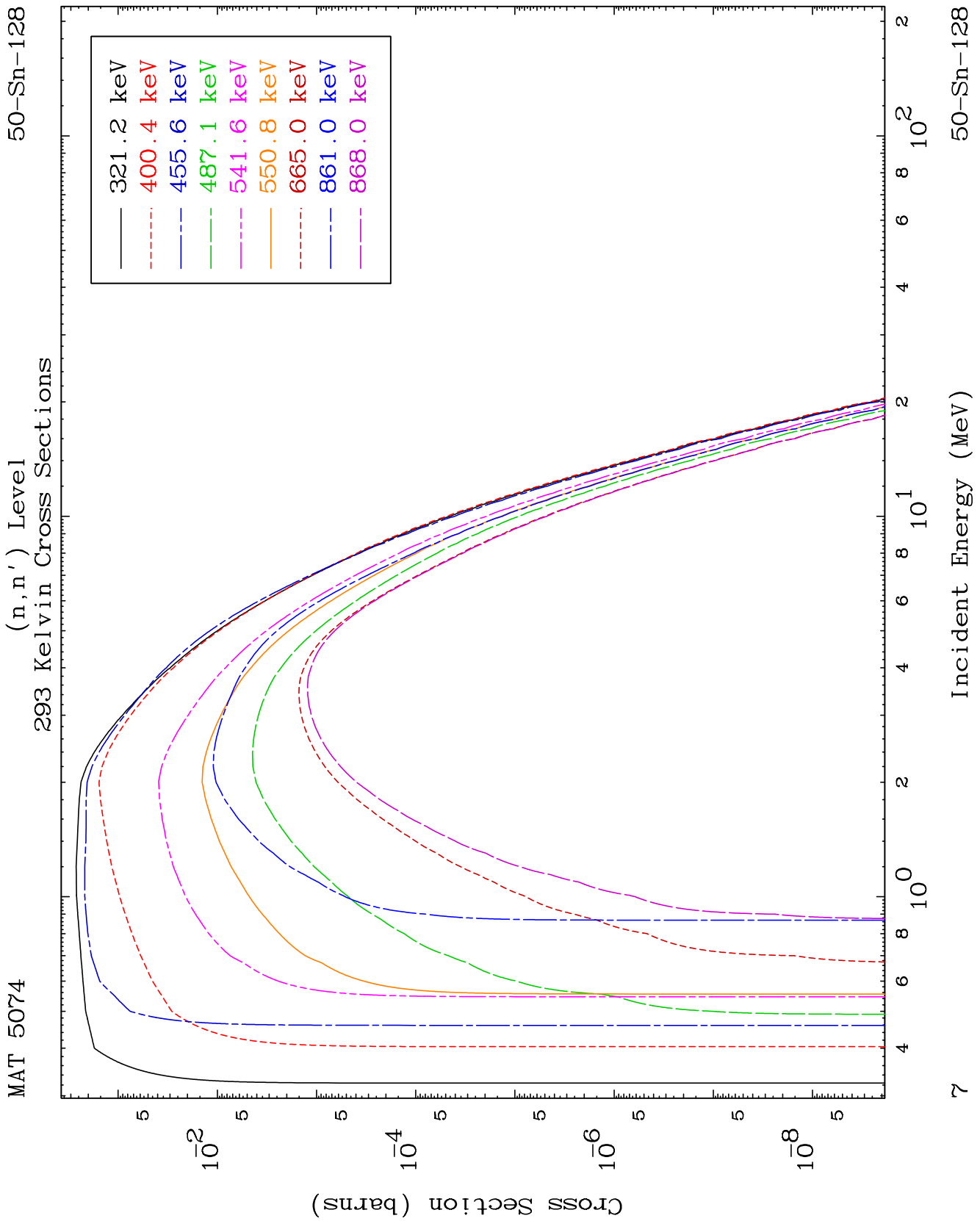
50-Sn-128



6

Incident Energy (MeV)

50-Sn-128

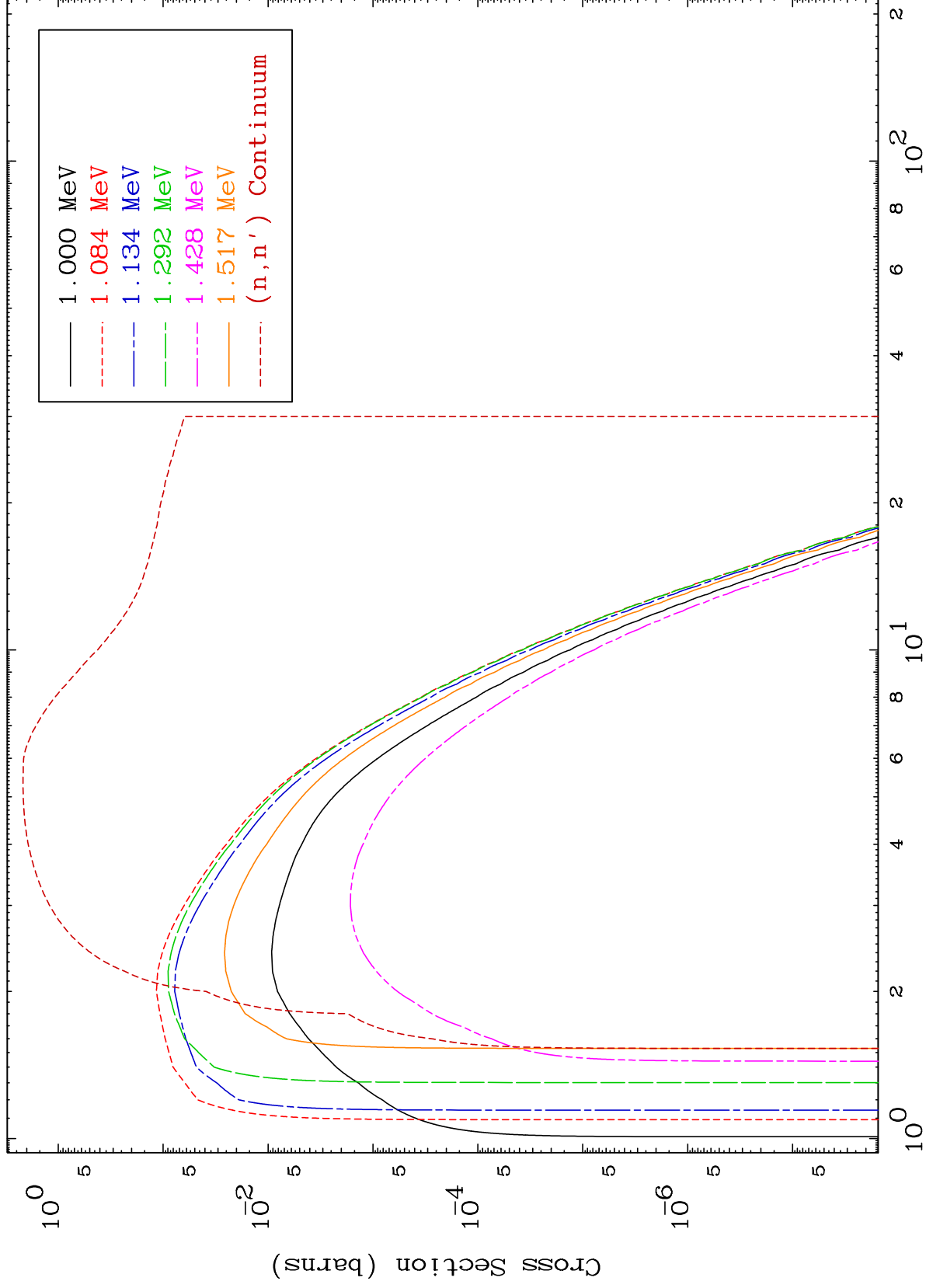




MAT 5074

(n,n') Level  
293 Kelvin Cross Sections

50-Sn-128



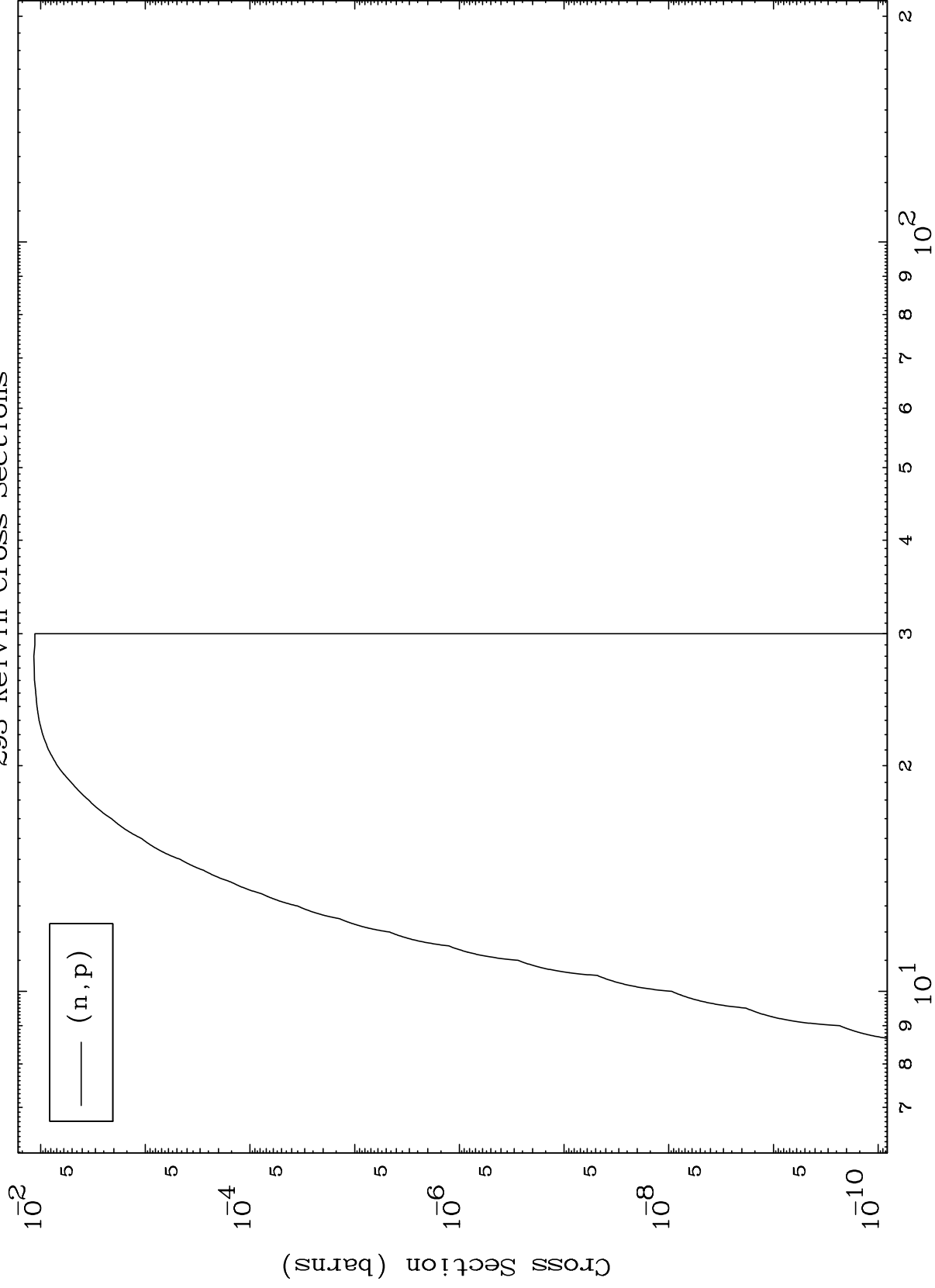
Incident Energy (MeV)

50-Sn-128

MAT 5074

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-128



9

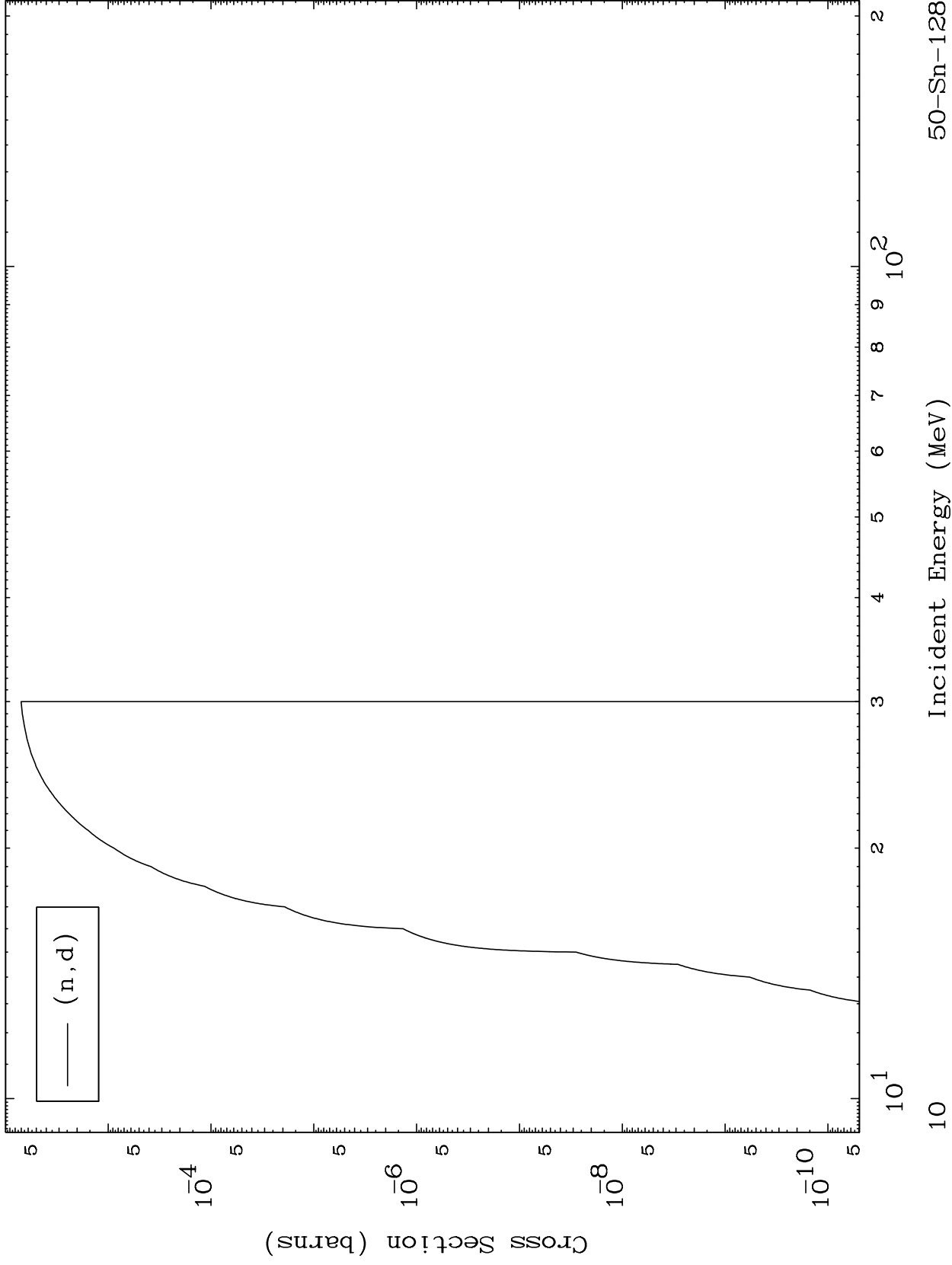
Incident Energy (MeV)

50-Sn-128

MAT 5074

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-128

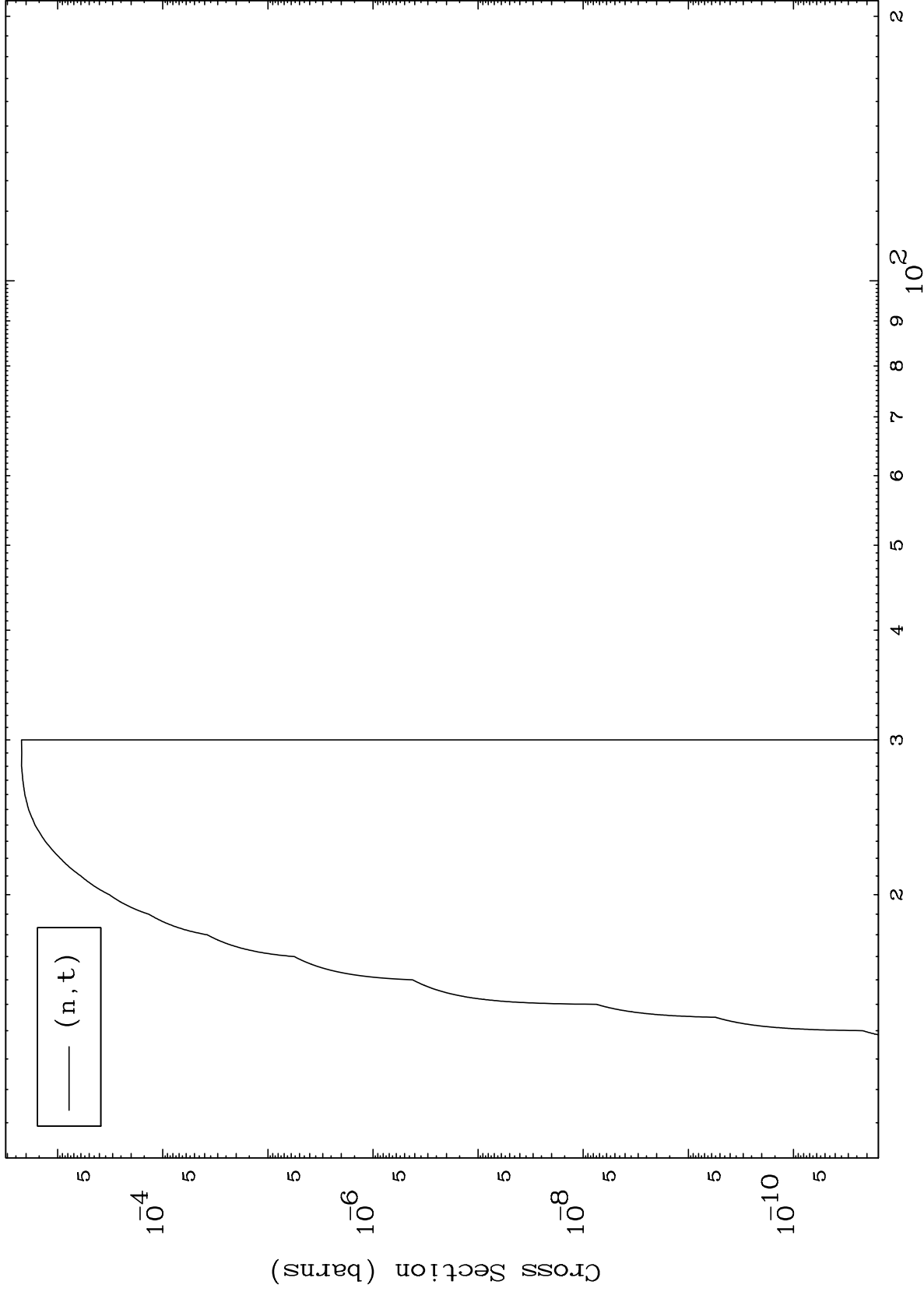


50-Sn-128

MAT 5074

(n,t) Levels  
293 Kelvin Cross Sections

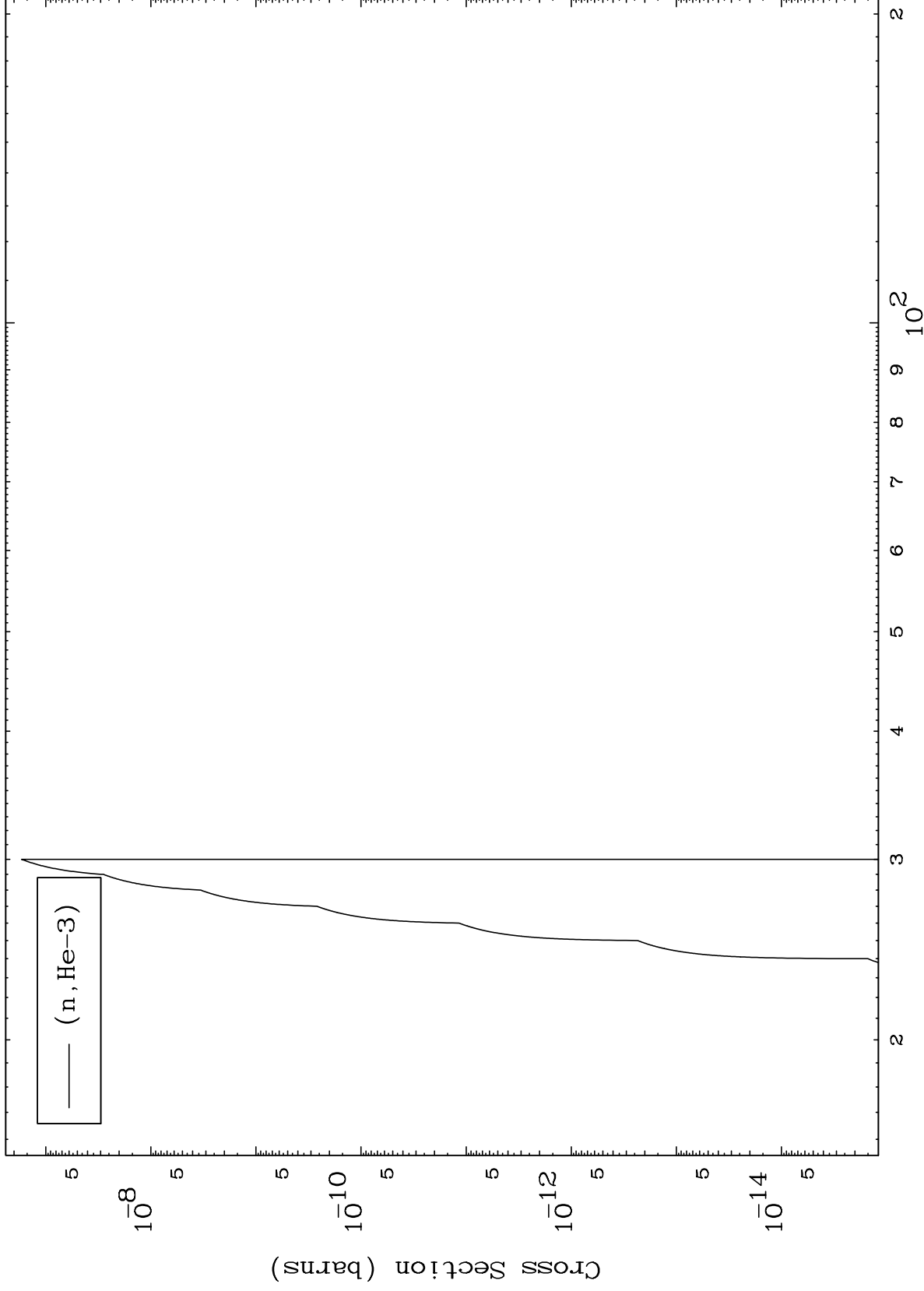
50-Sn-128



MAT 5074

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-128



12

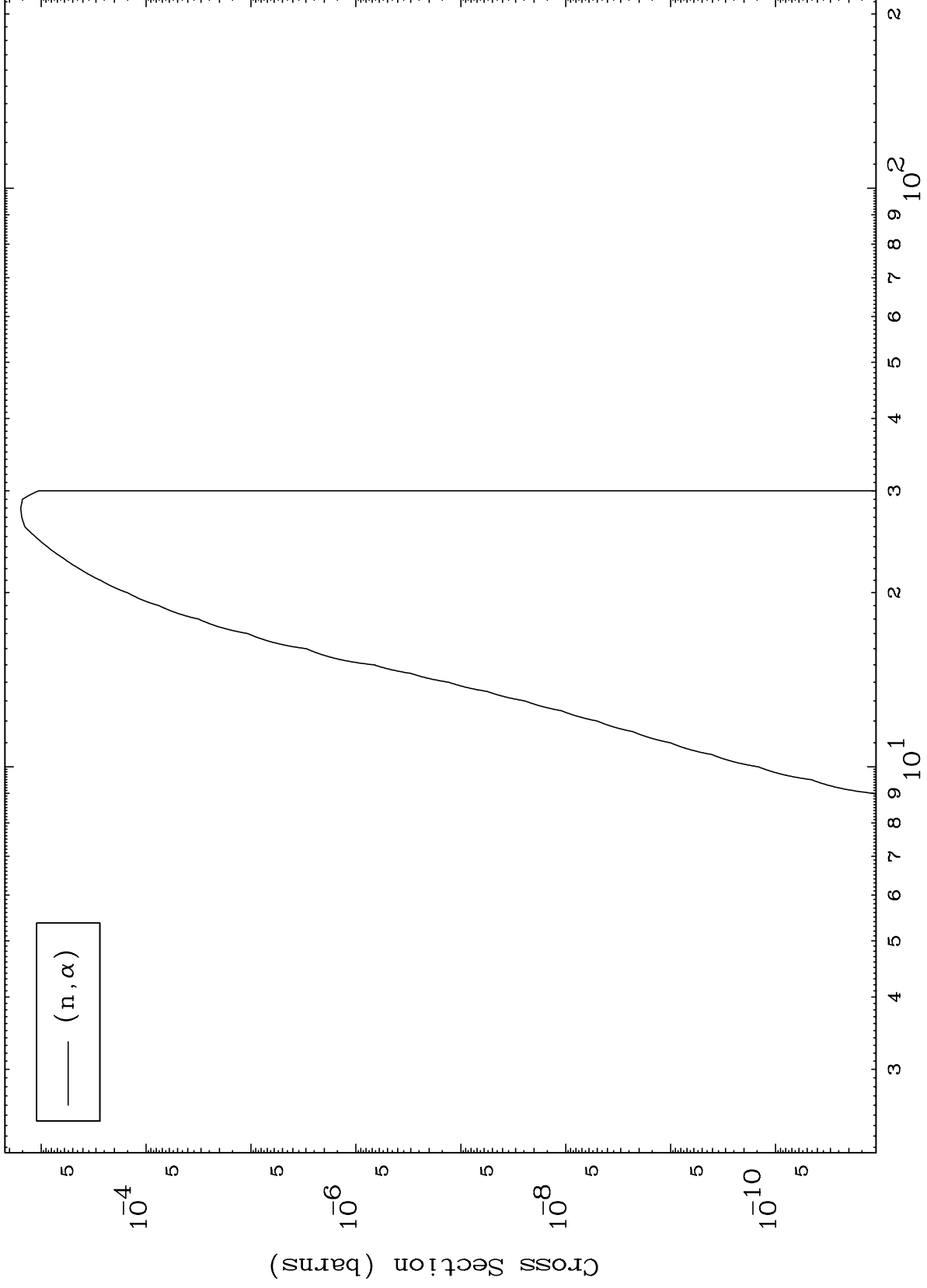
Incident Energy (MeV)

50-Sn-128

MAT 5074

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

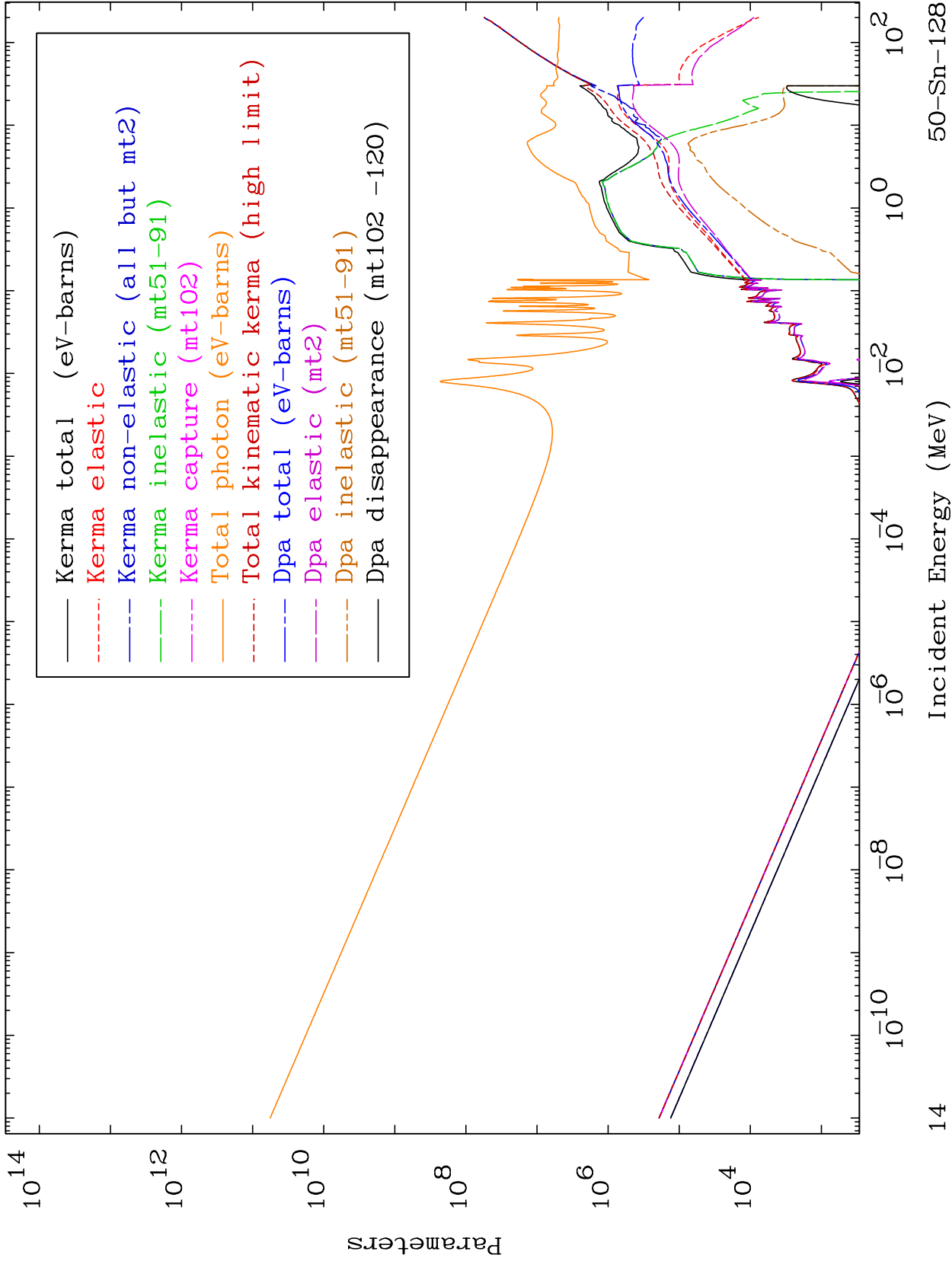
50-Sn-128



13

Incident Energy (MeV)

50-Sn-128





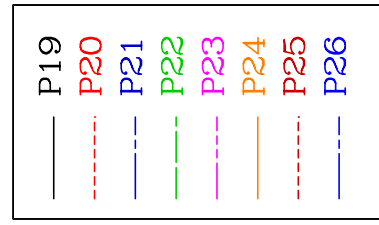




MAT 5074

Elastic  
Legendre Coefficients

50-Sn-128



$\times 10^{-7}$

Legendre (CM)

8

6

4

2

0

15

20

25

30

17

Incident Energy (MeV)

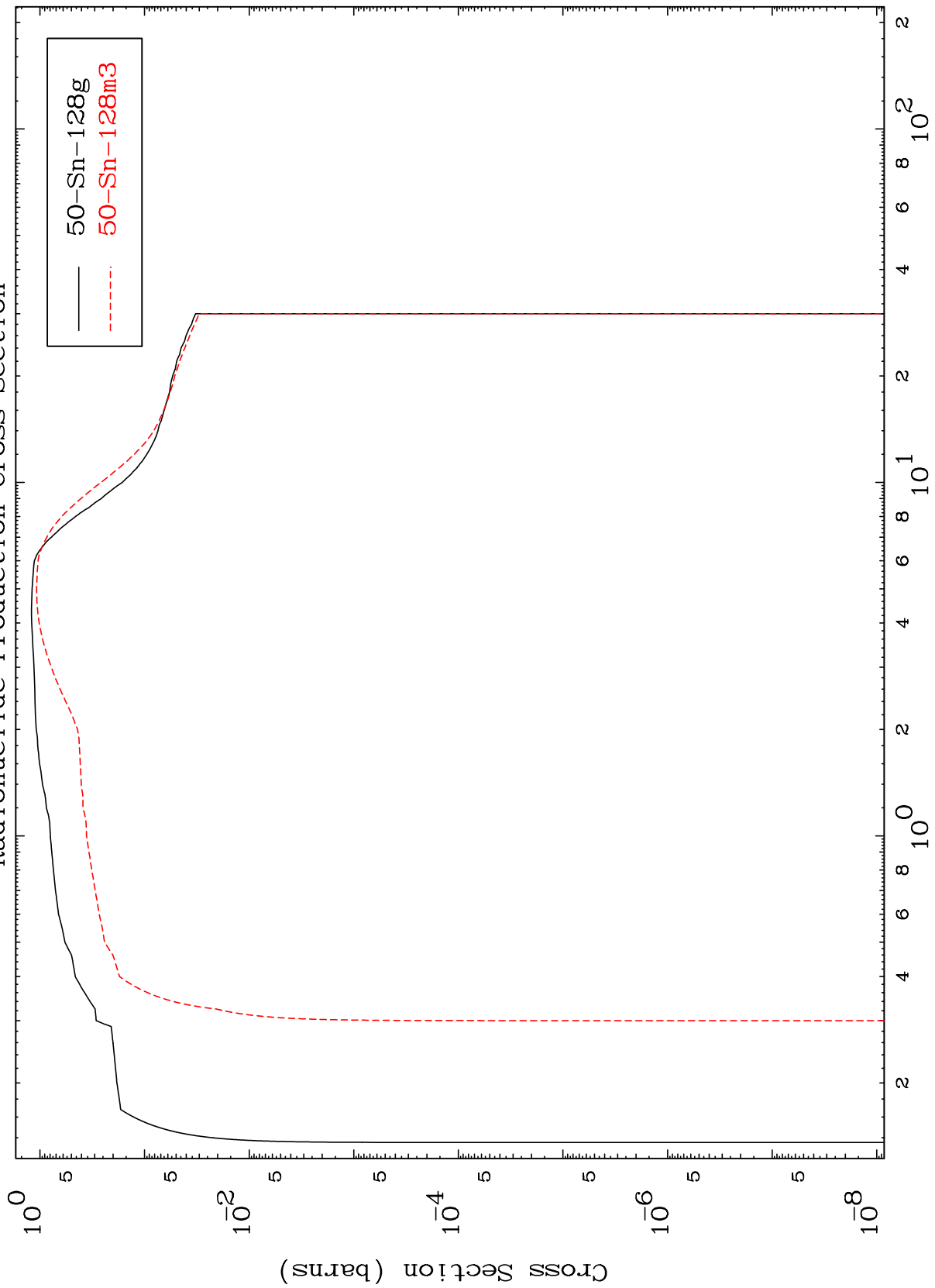
50-Sn-128



MAT 5074

50-Sn-128

Inelastic  
Radionuclide Production Cross Section



18

Incident Energy (MeV)

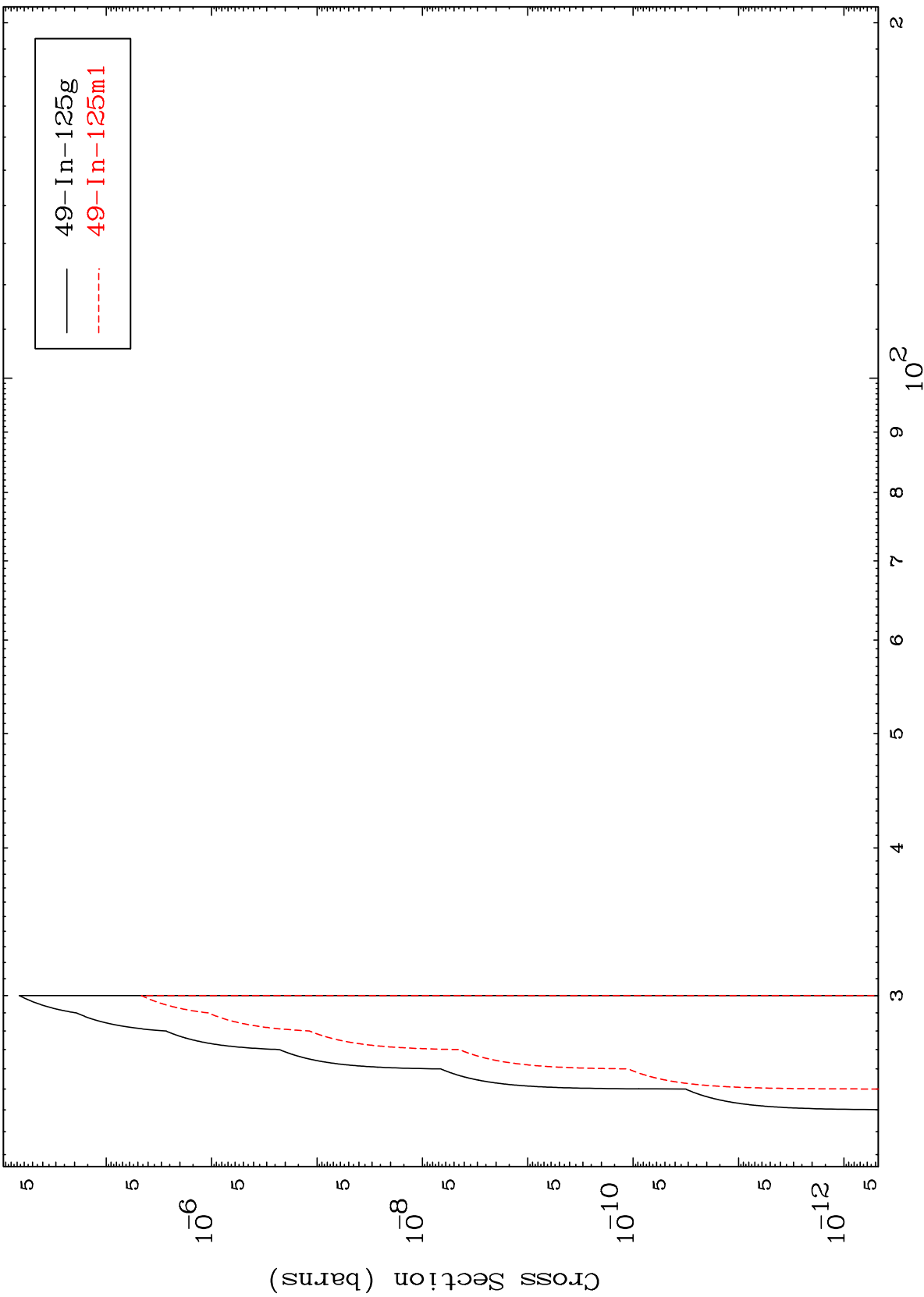
50-Sn-128

MAT 5074

(n,2n) d

50-Sn-128

Radionuclide Production Cross Section



19

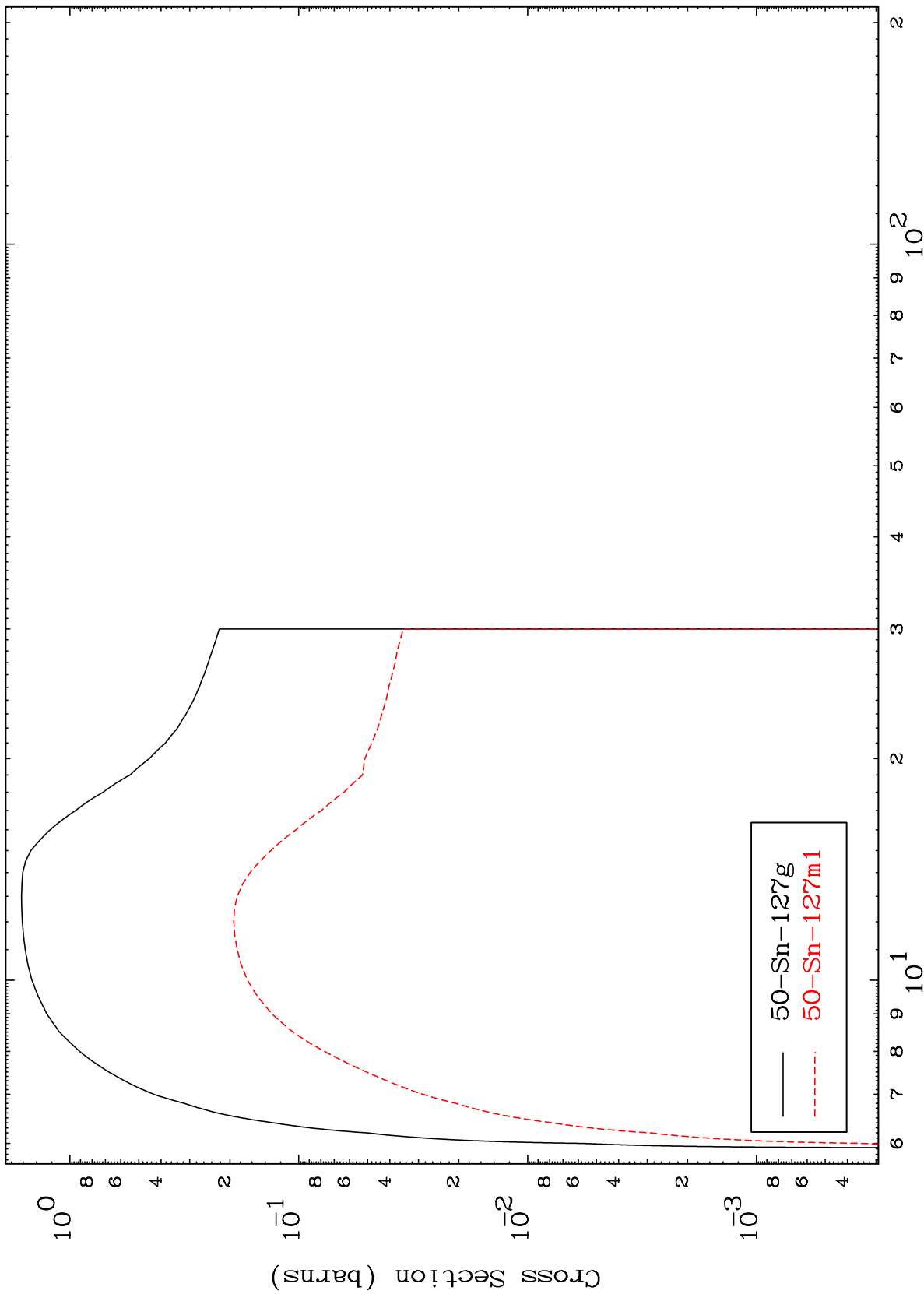
Incident Energy (MeV)

50-Sn-128

MAT 5074

50-Sn-128

(n,2n)  
Radionuclide Production Cross Section



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

50-Sn-128

Incident Energy (MeV)

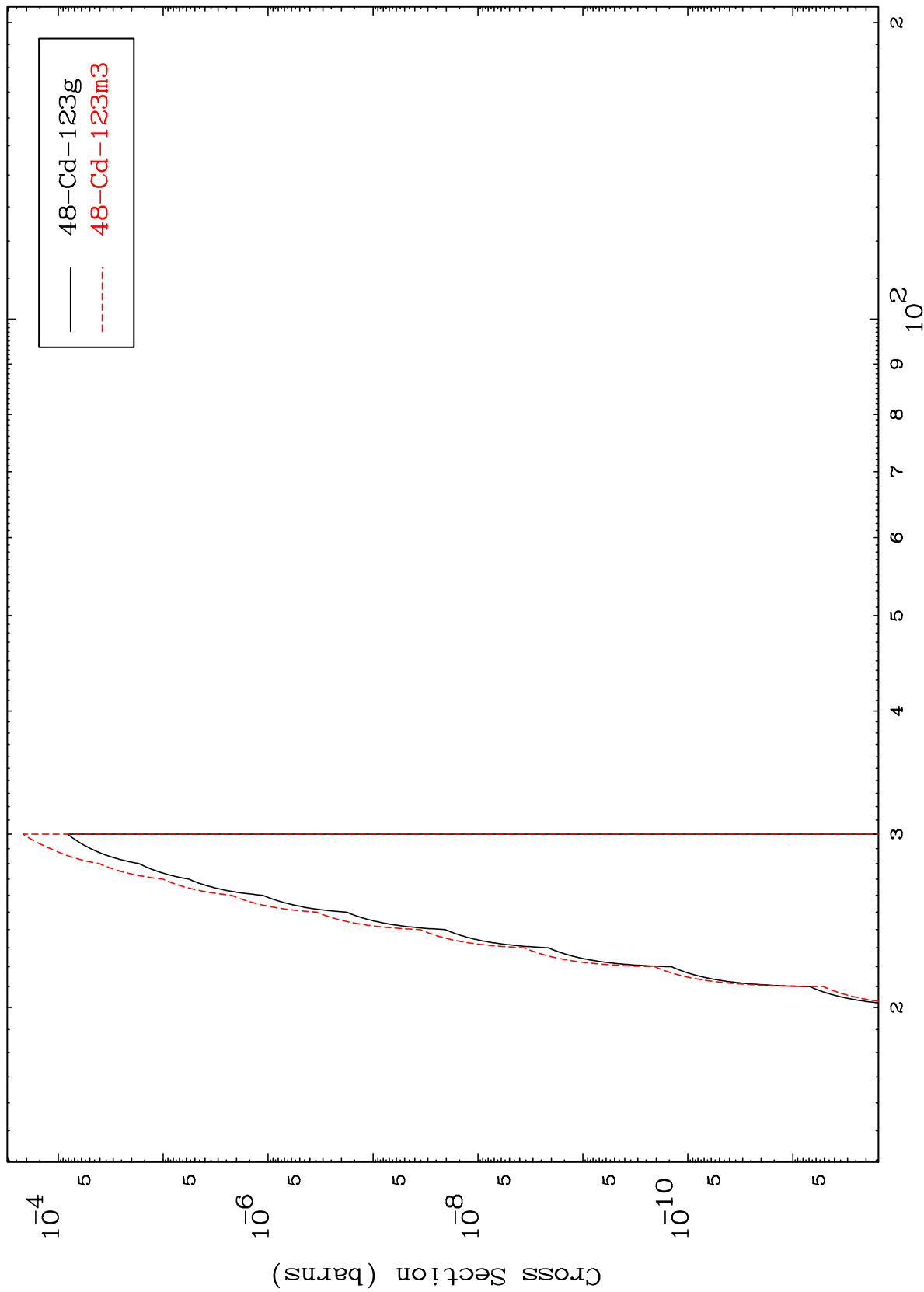
20

MAT 5074

(n,2n)  $\alpha$

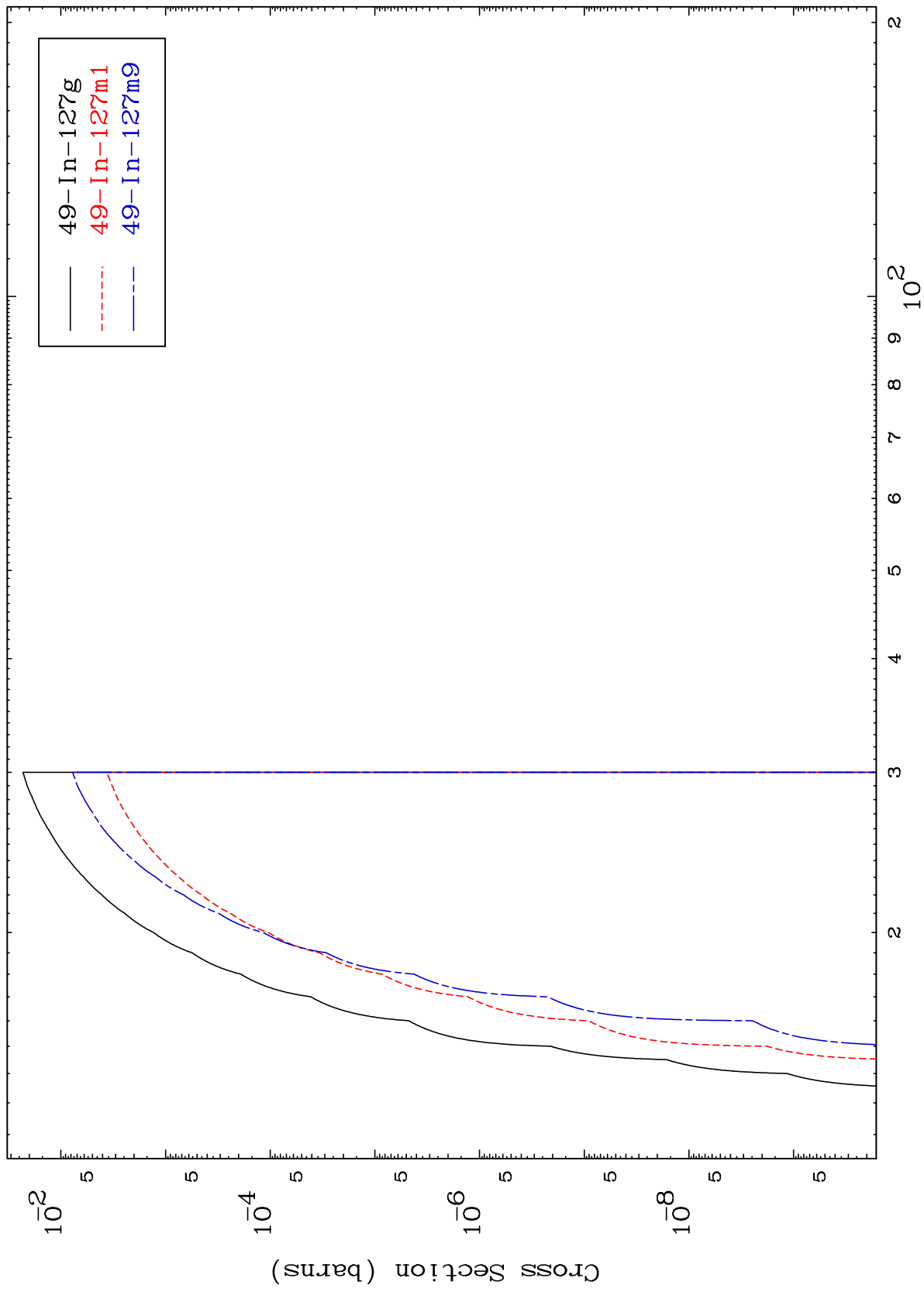
50-Sn-128

Radionuclide Production Cross Section



50-Sn-128

Radionuclide Production Cross Section

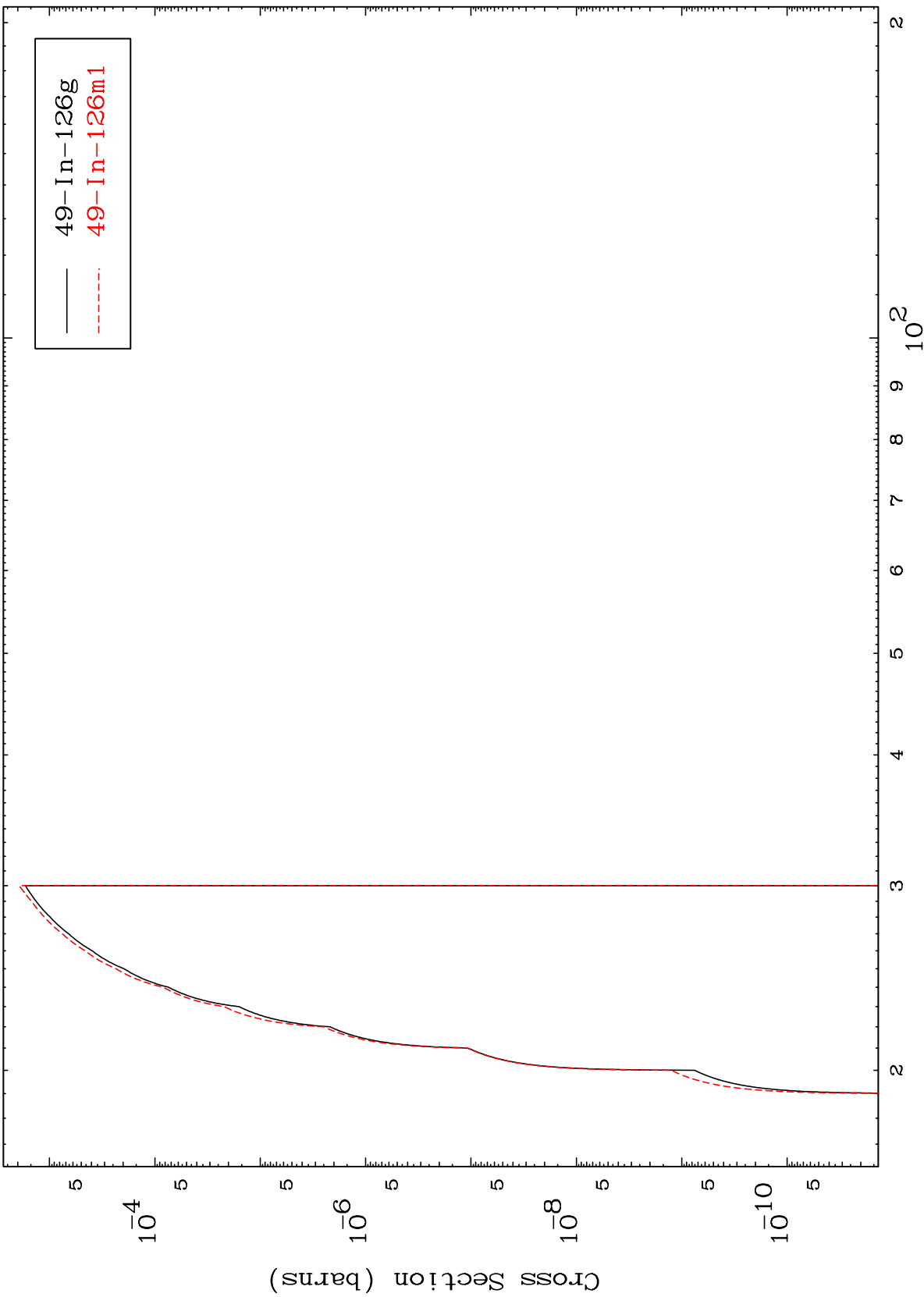


MAT 5074

(n,n') d

50-Sn-128

Radionuclide Production Cross Section



23

Incident Energy (MeV)

50-Sn-128

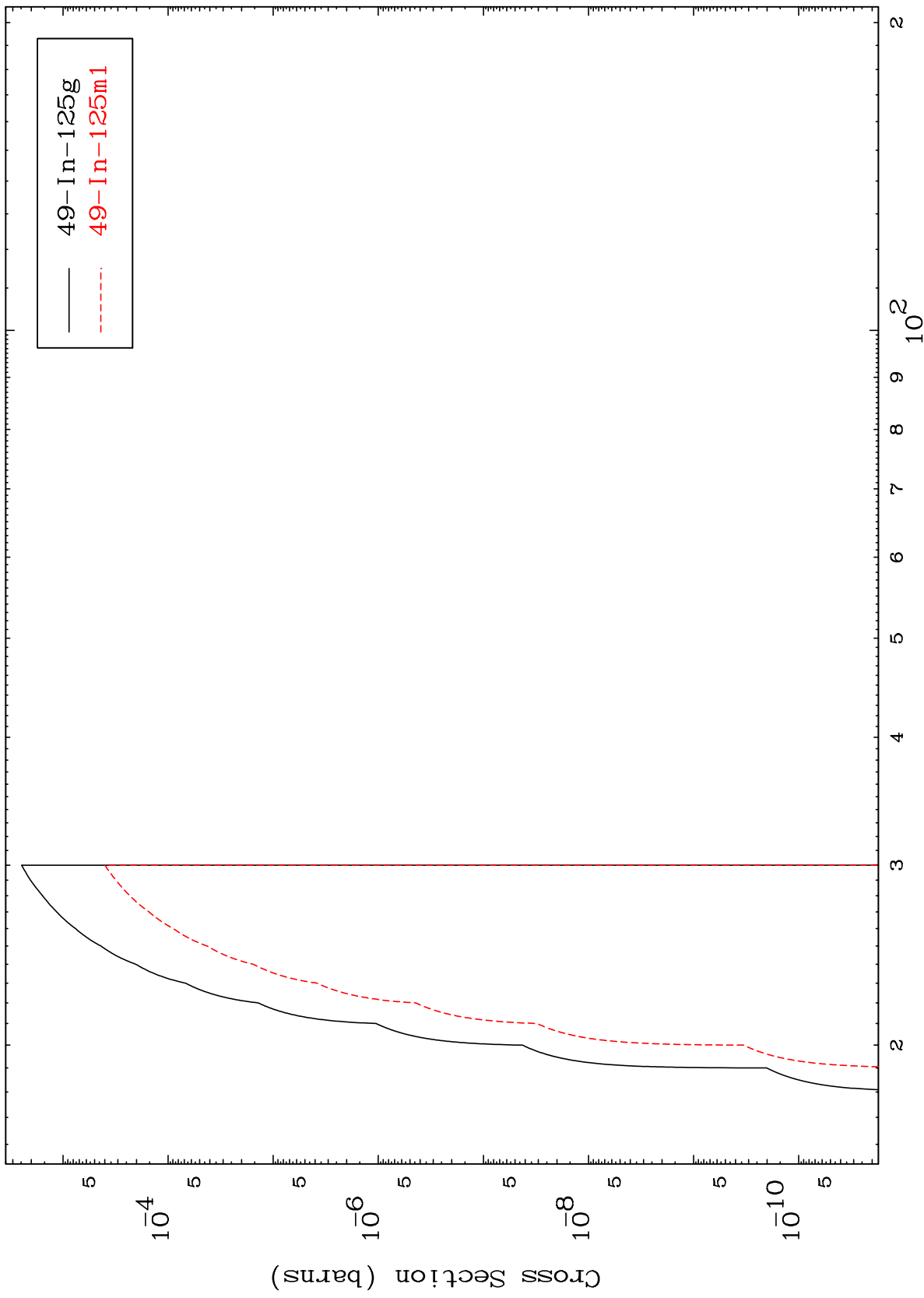


MAT 5074

(n,n') t

50-Sn-128

Radionuclide Production Cross Section



24

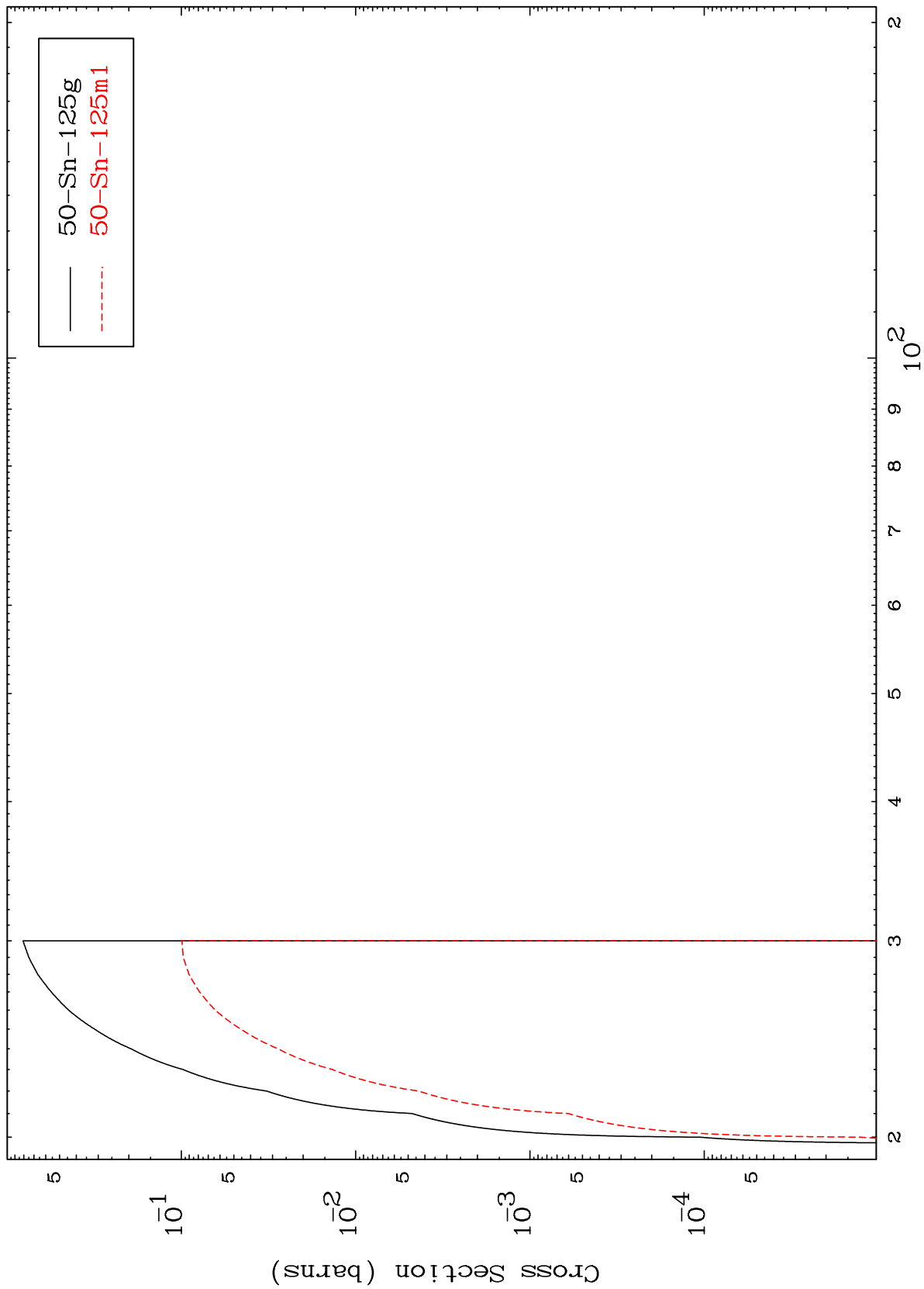
Incident Energy (MeV)

50-Sn-128

MAT 5074

50-Sn-128

(n,4n)  
Radionuclide Production Cross Section



50-Sn-128

Incident Energy (MeV)

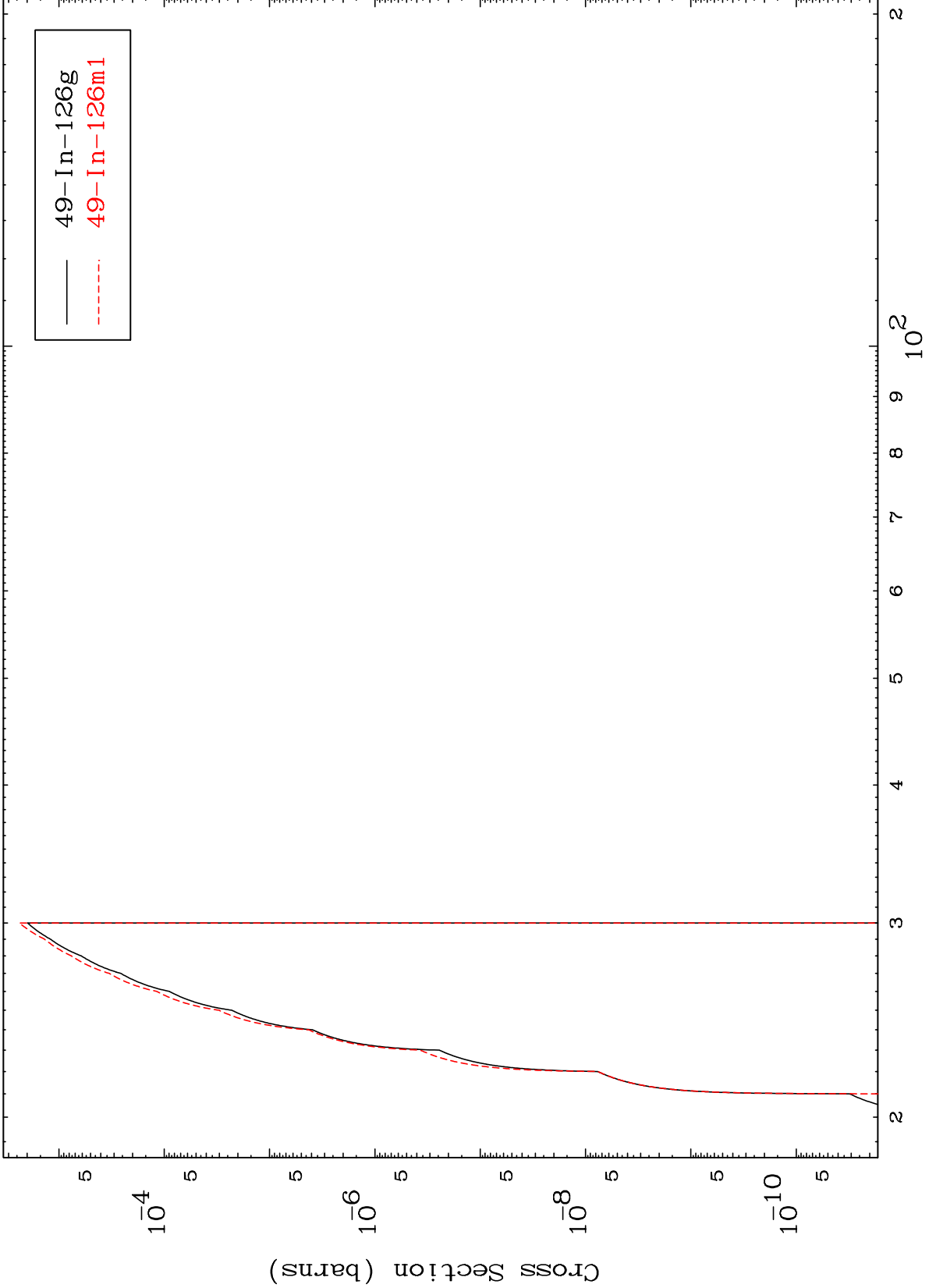
25

MAT 5074

(n,2n) p

50-Sn-128

Radionuclide Production Cross Section



26

Incident Energy (MeV)

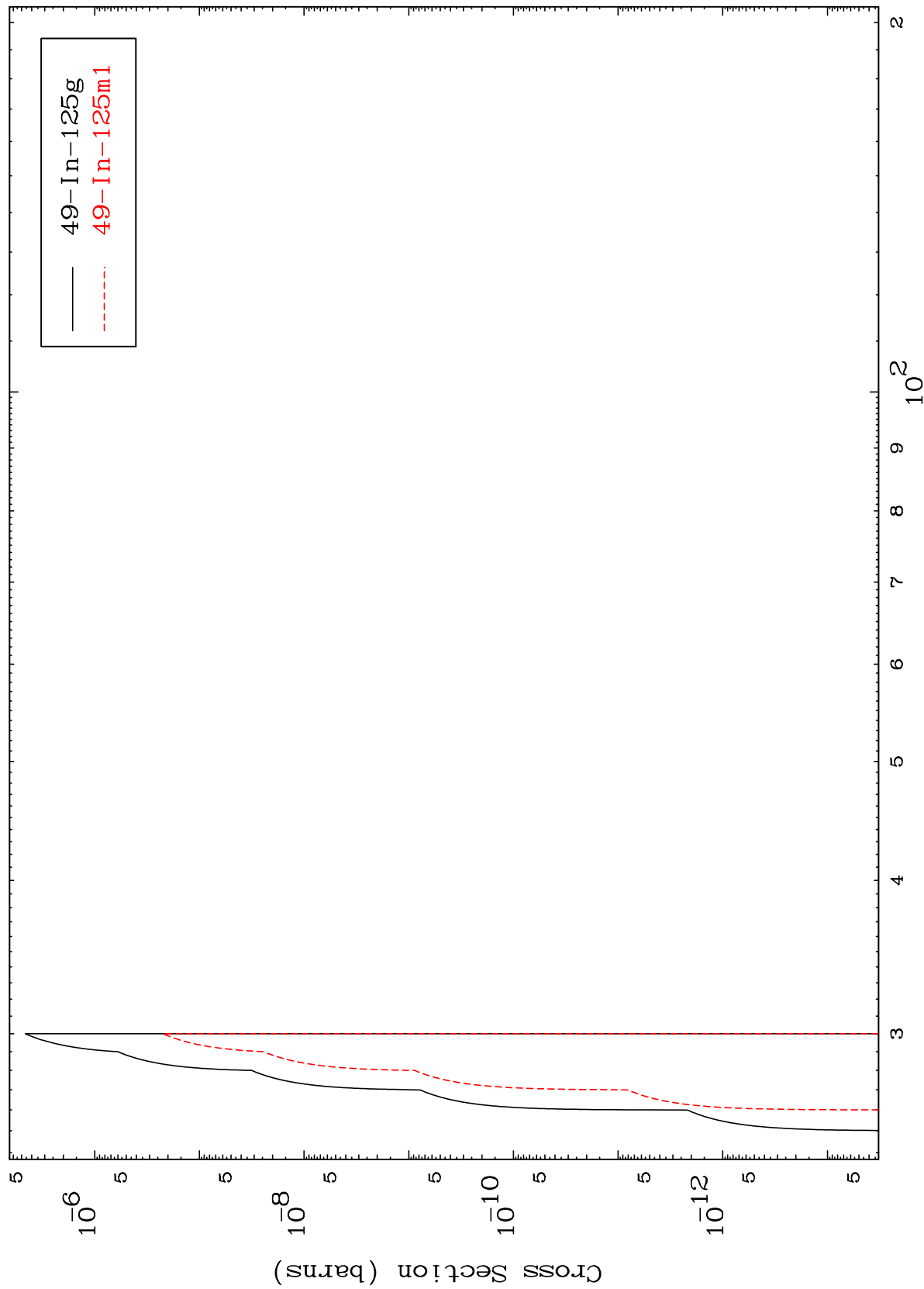
50-Sn-128

MAT 5074

(n,3n) p

50-Sn-128

Radionuclide Production Cross Section

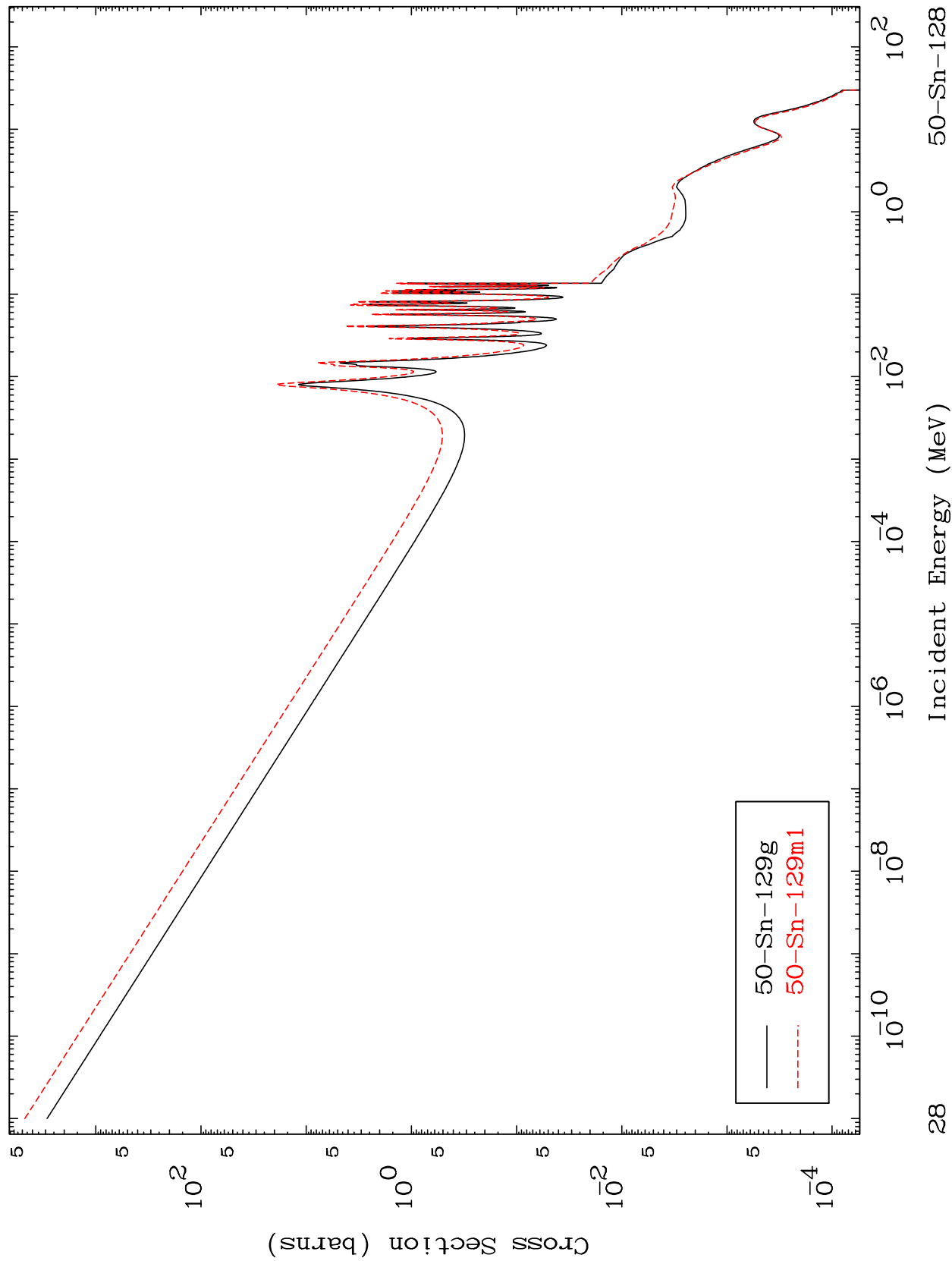


49-In-125g  
49-In-125m1

MAT 5074

50-Sn-128

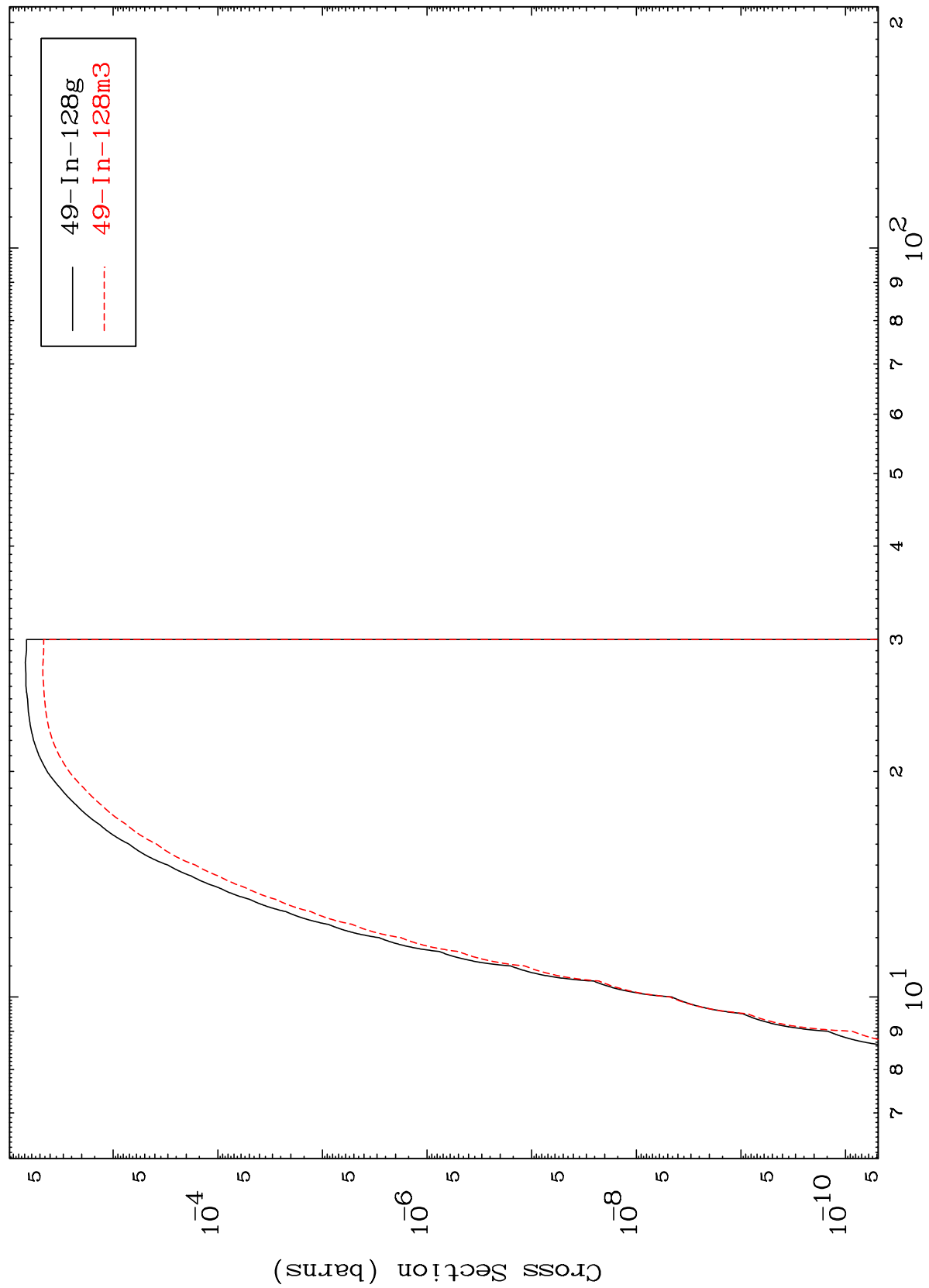
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 5074

50-Sn-128

(n,p)  
Radionuclide Production Cross Section



29

Incident Energy (MeV)

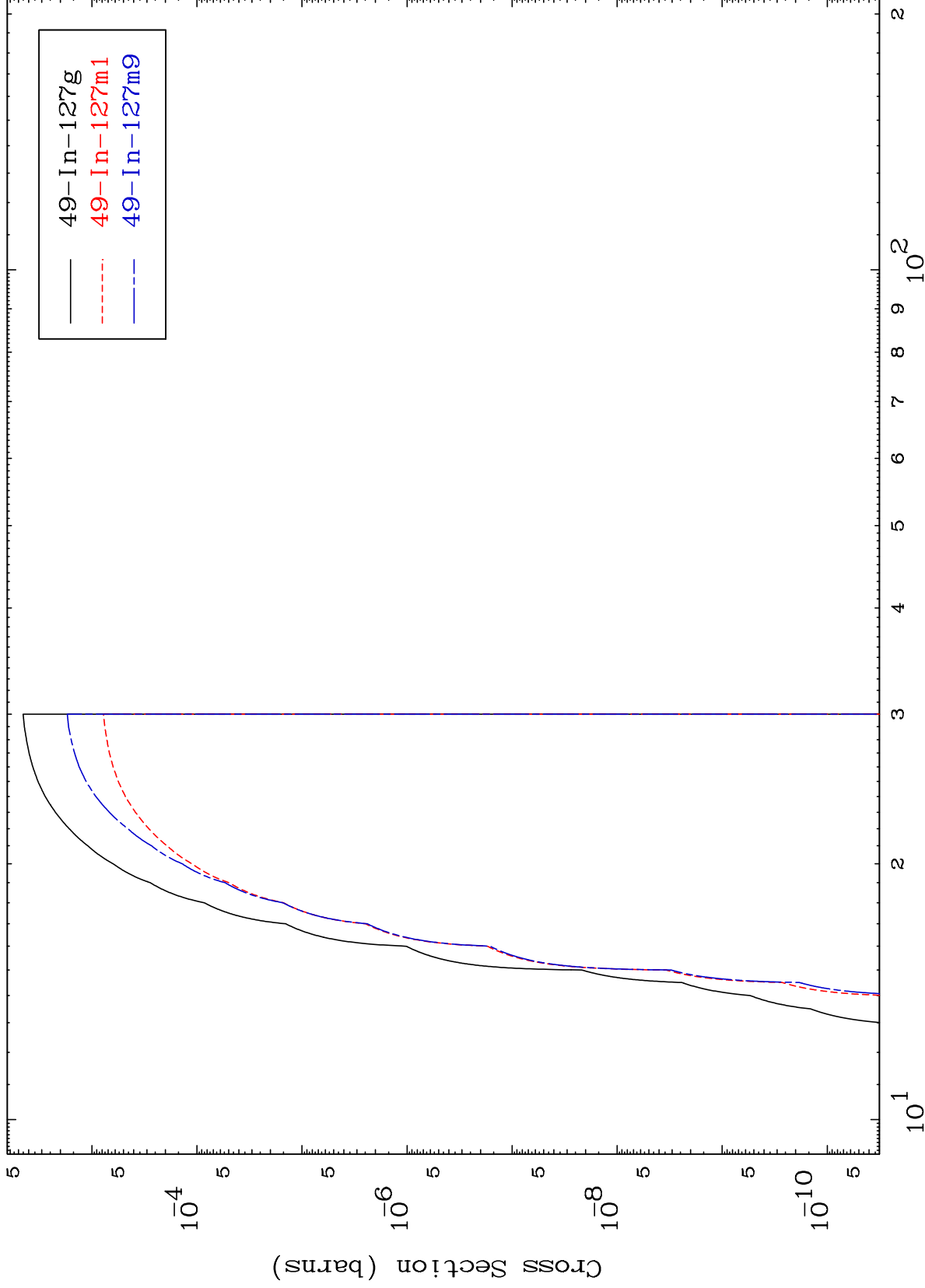
50-Sn-128

MAT 5074

(n,d)

50-Sn-128

Radionuclide Production Cross Section



Incident Energy (MeV)

50-Sn-128

(n,t)  
Radionuclide Production Cross Section

