

Program EVALPLOT  
(Version 2021-1)

by

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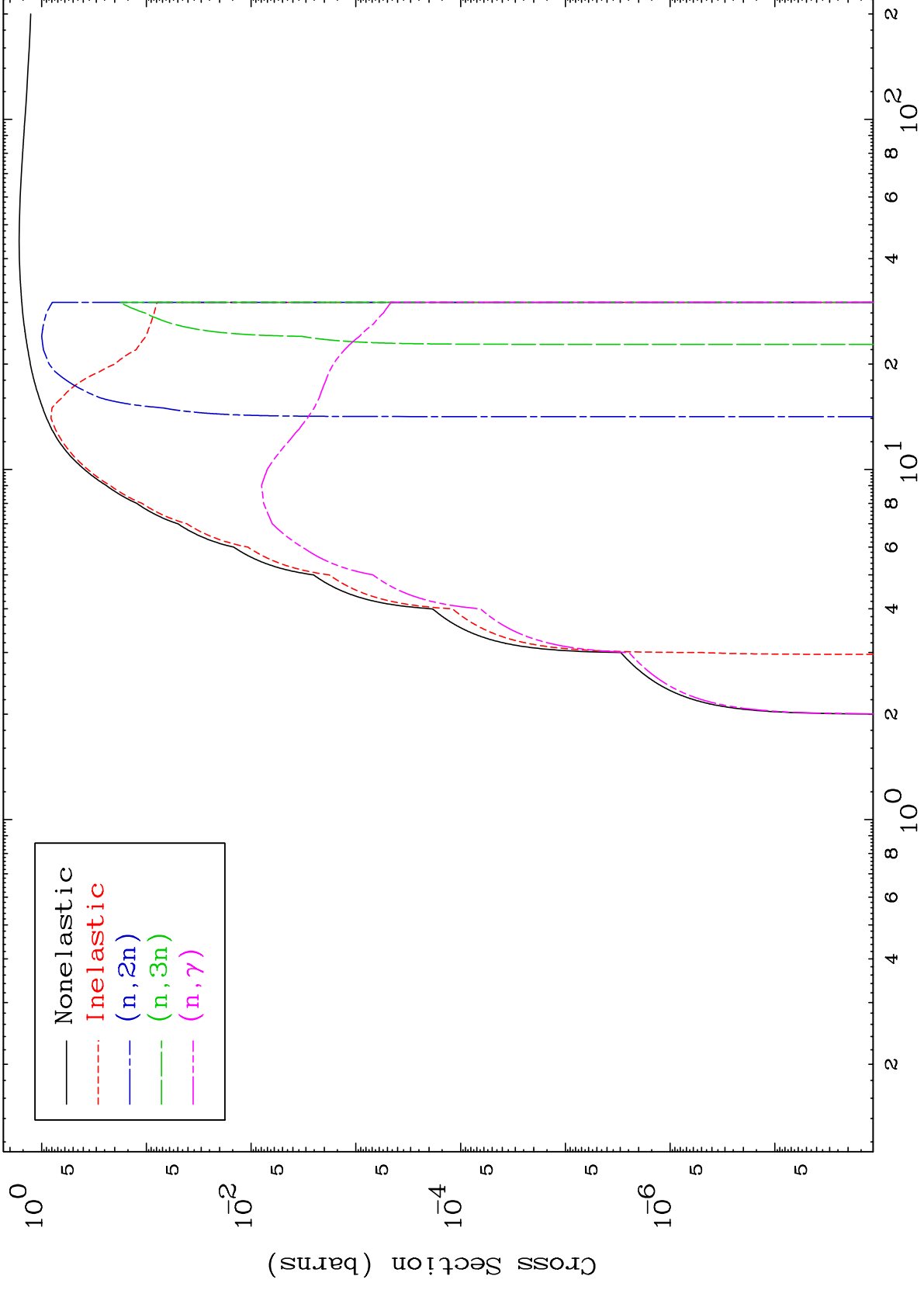
Press Mouse Button to Start

MAT 6134

Proton Major

61-Pm-142

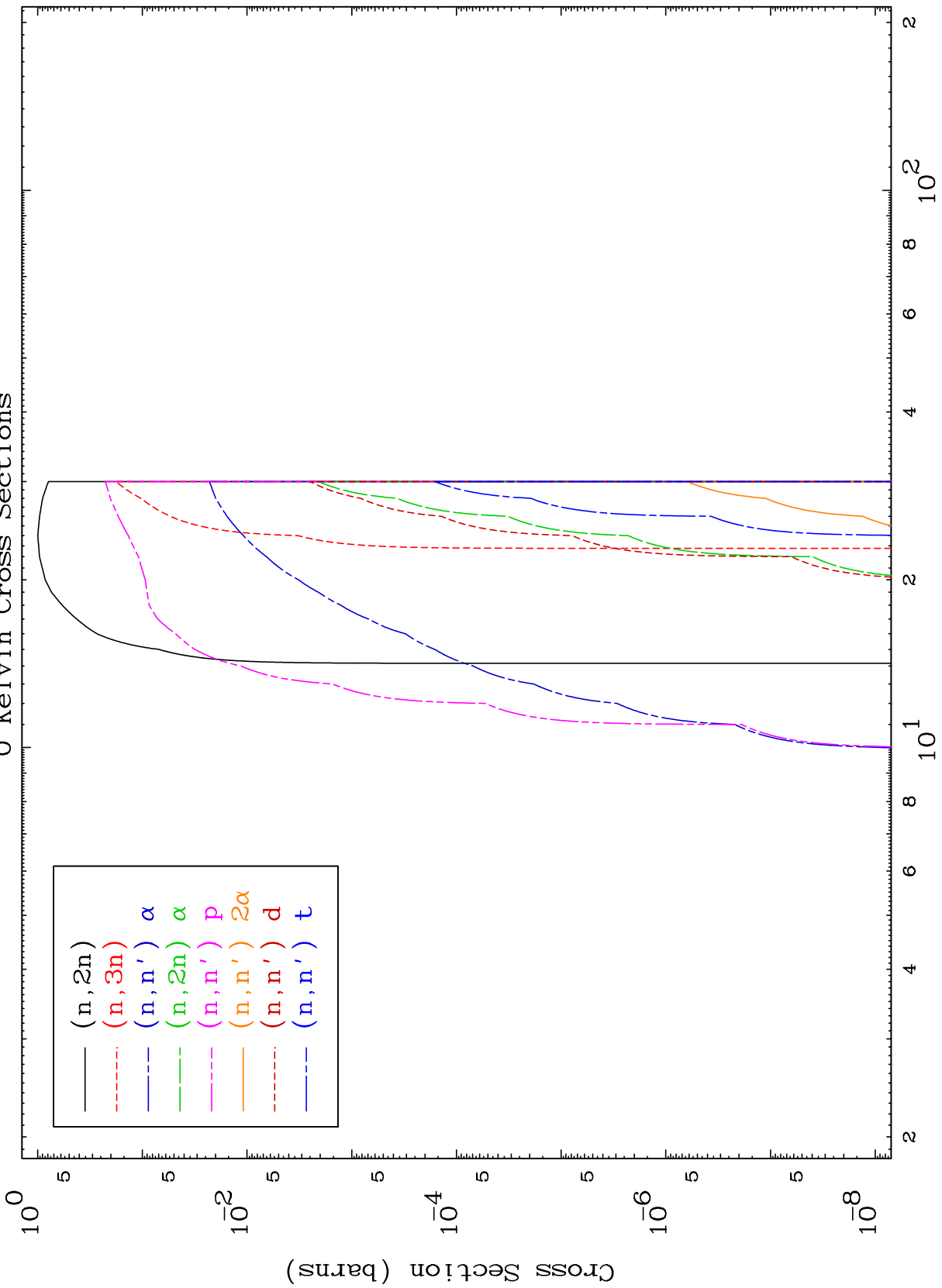
0 Kelvin Cross Sections



MAT 6134

Proton Neutron Absorption  
0 Kelvin Cross Sections

61-Pm-142



2

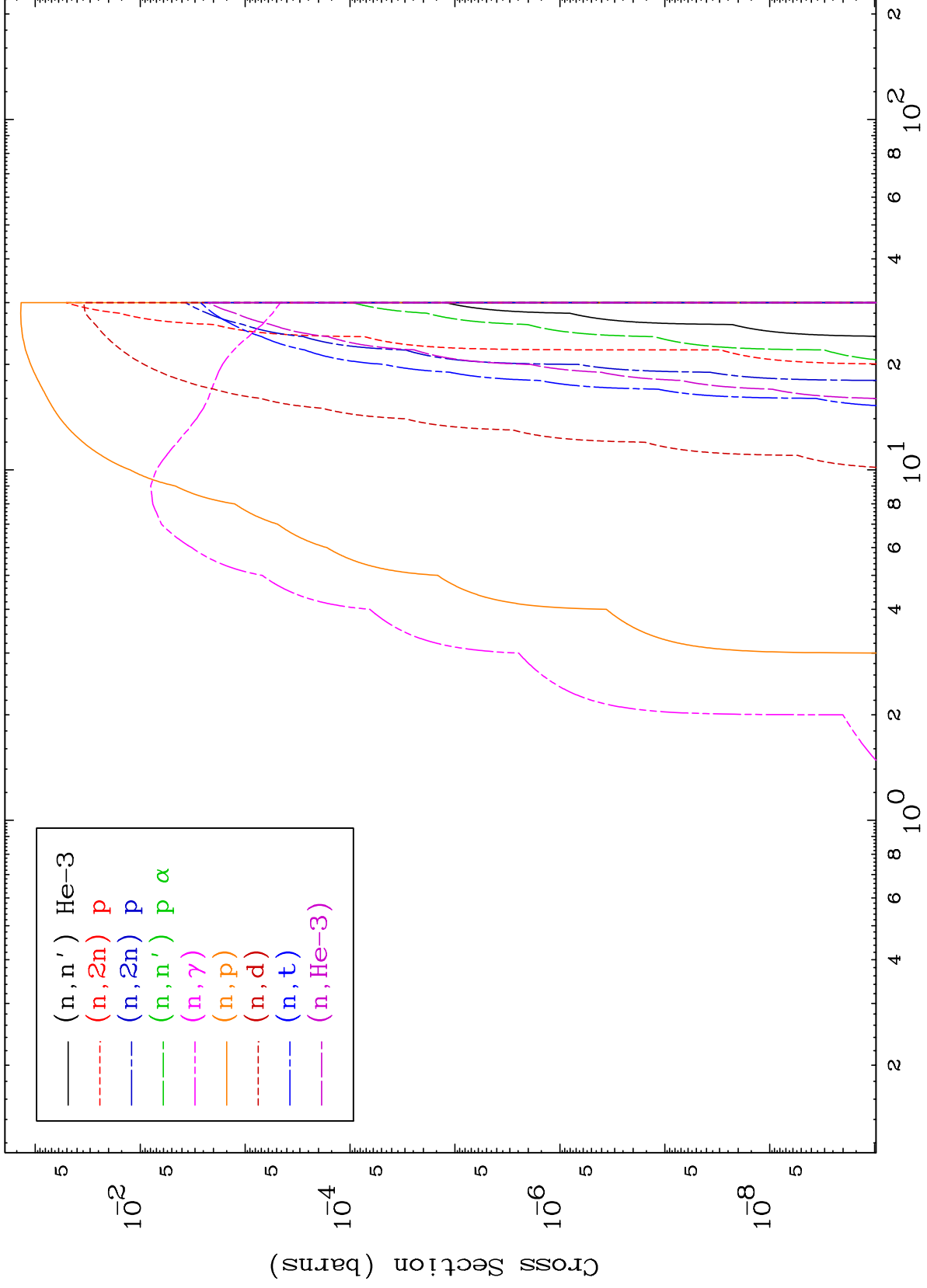
Incident Energy (MeV)

61-Pm-142

MAT 6134

Proton Neutron Absorption  
0 Kelvin Cross Sections

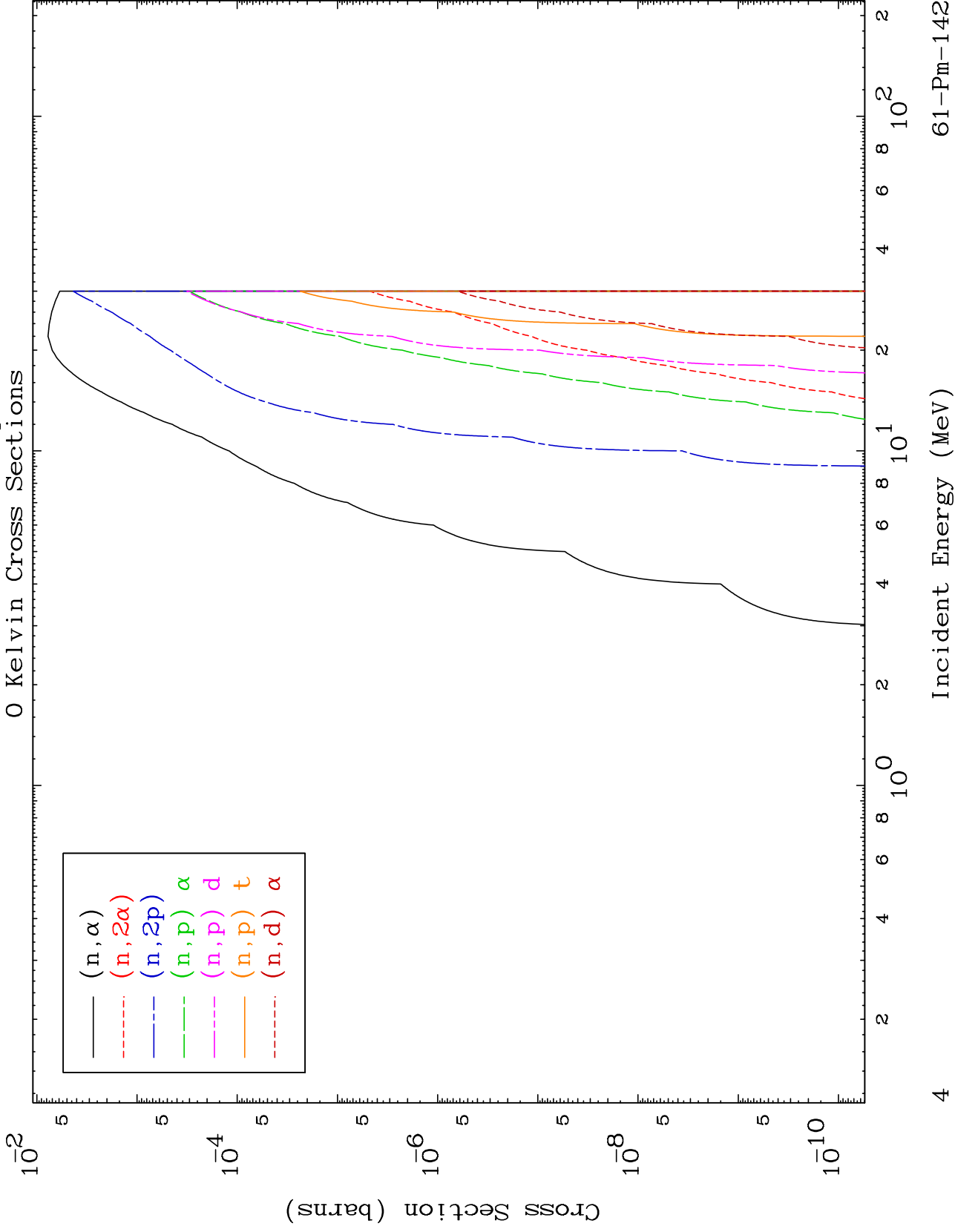
61-Pm-142



MAT 6134

Proton Neutron Absorption  
0 Kelvin Cross Sections

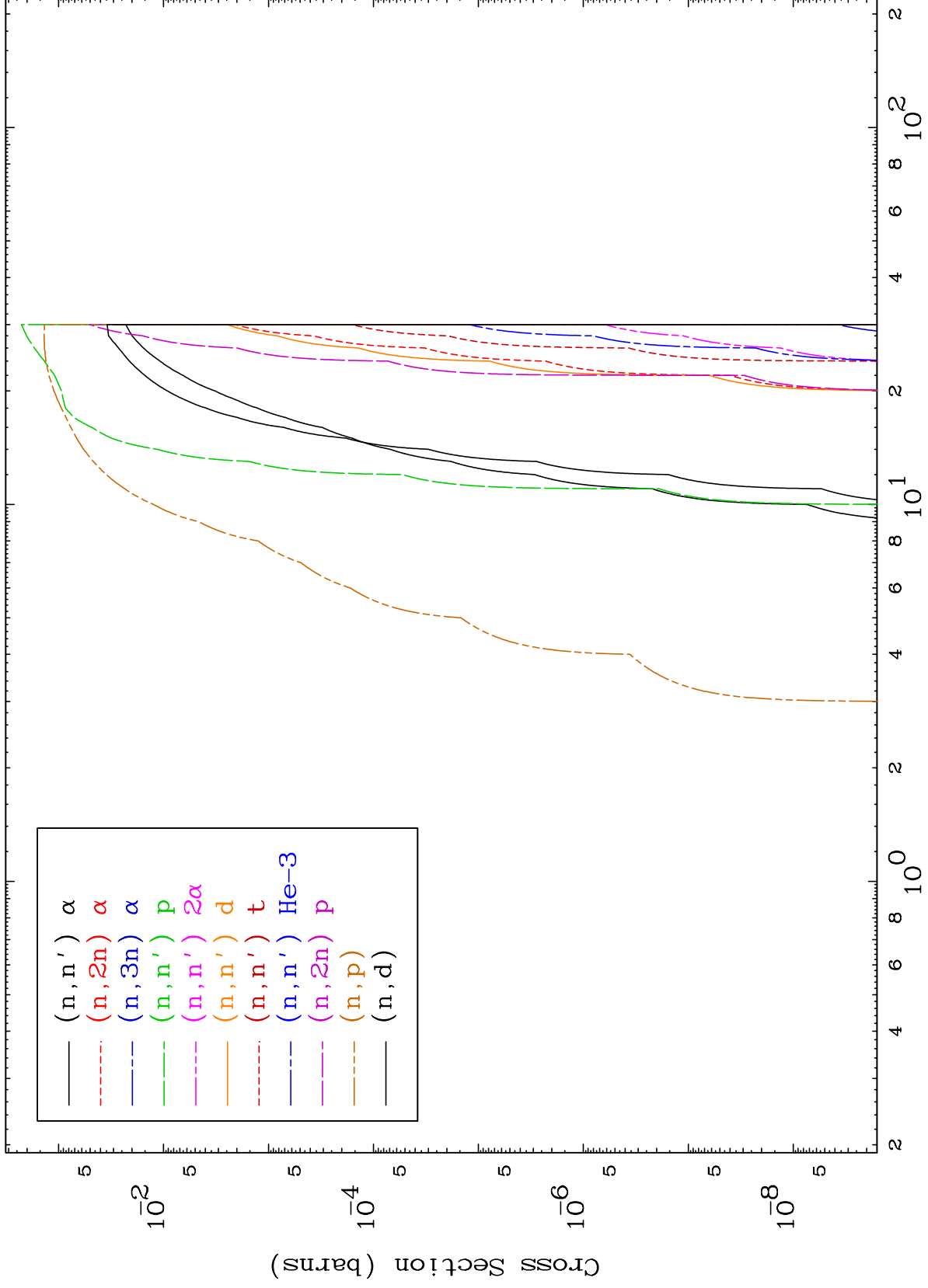
61-Pm-142



MAT 6134

Proton Charged Particle  
0 Kelvin Cross Sections

61-Pm-142



5

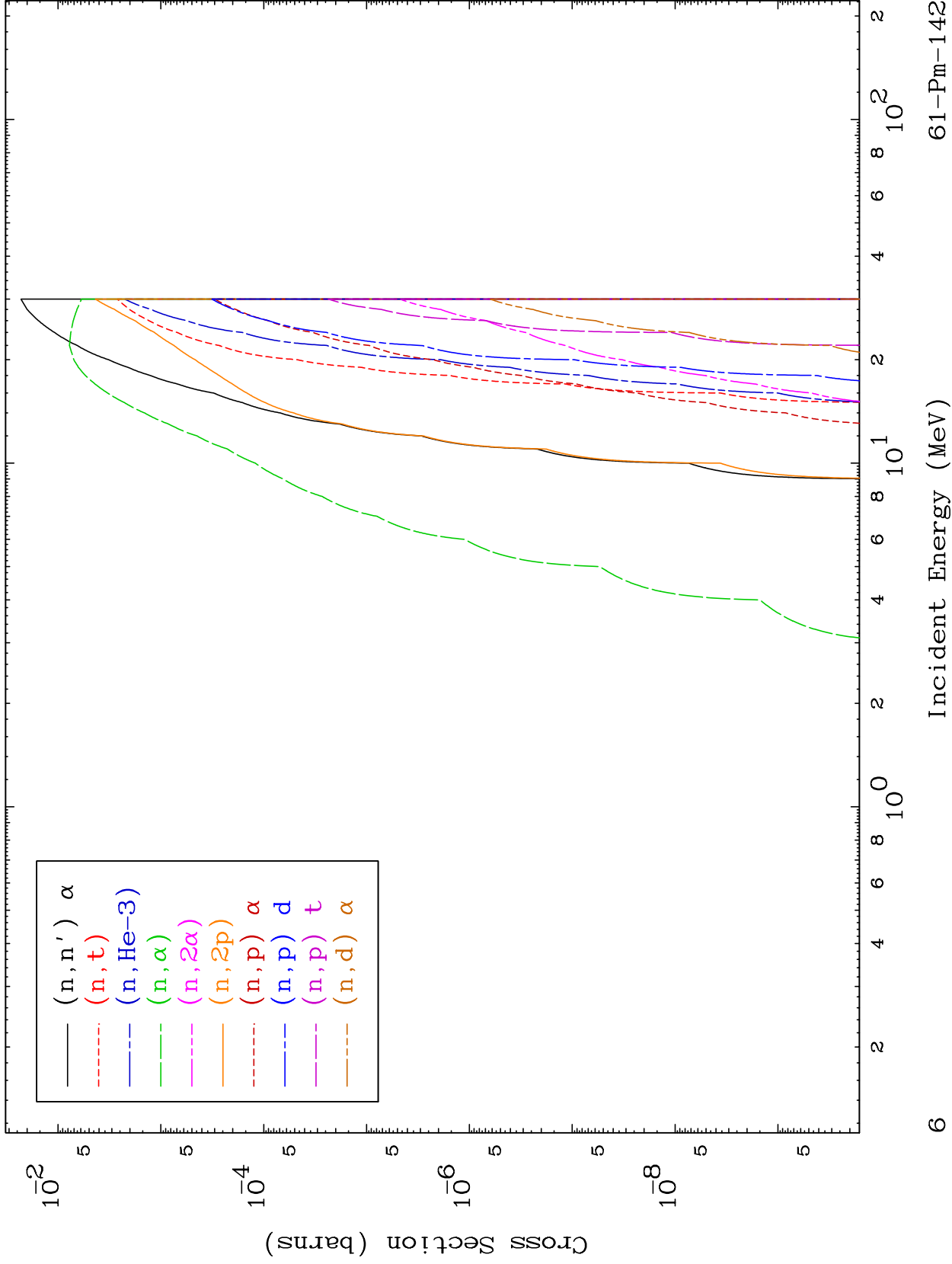
Incident Energy (MeV)

61-Pm-142

MAT 6134

Proton Charged Particle  
0 Kelvin Cross Sections

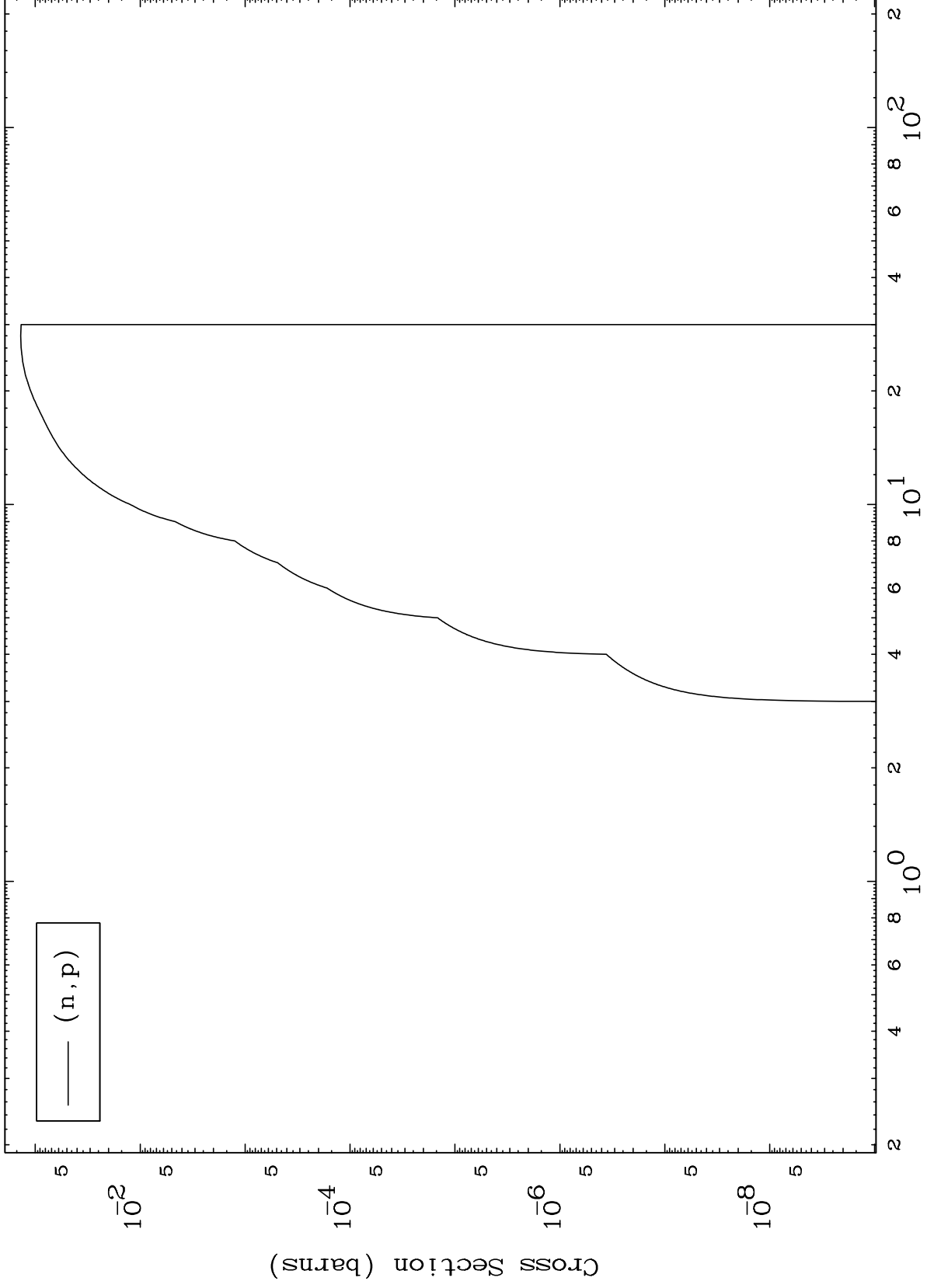
61-Pm-142



MAT 6134

(p,p) Levels  
0 Kelvin Cross Sections

61-Pm-142



7

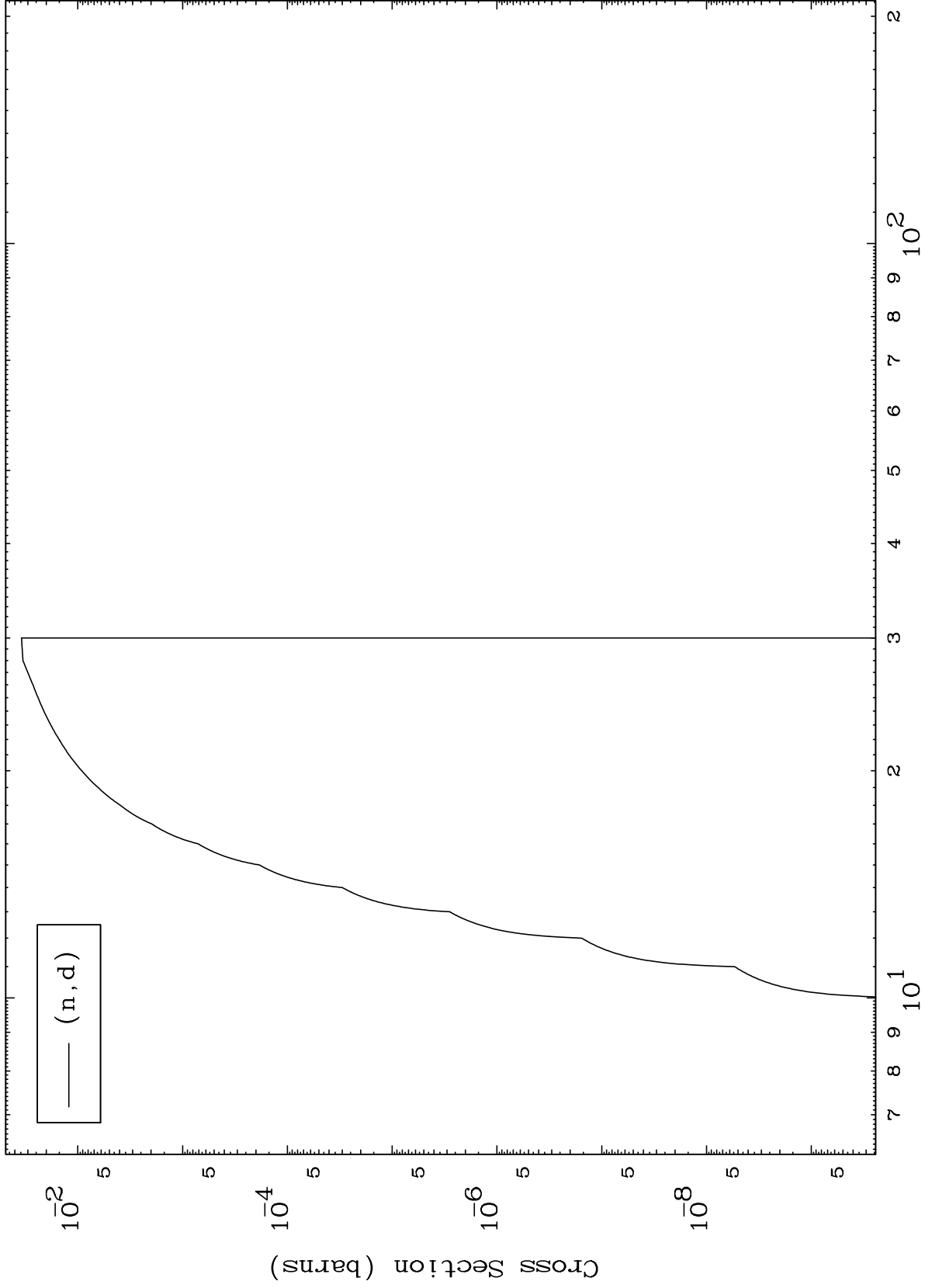
Incident Energy (MeV)

61-Pm-142

MAT 6134

(p,d) Levels  
0 Kelvin Cross Sections

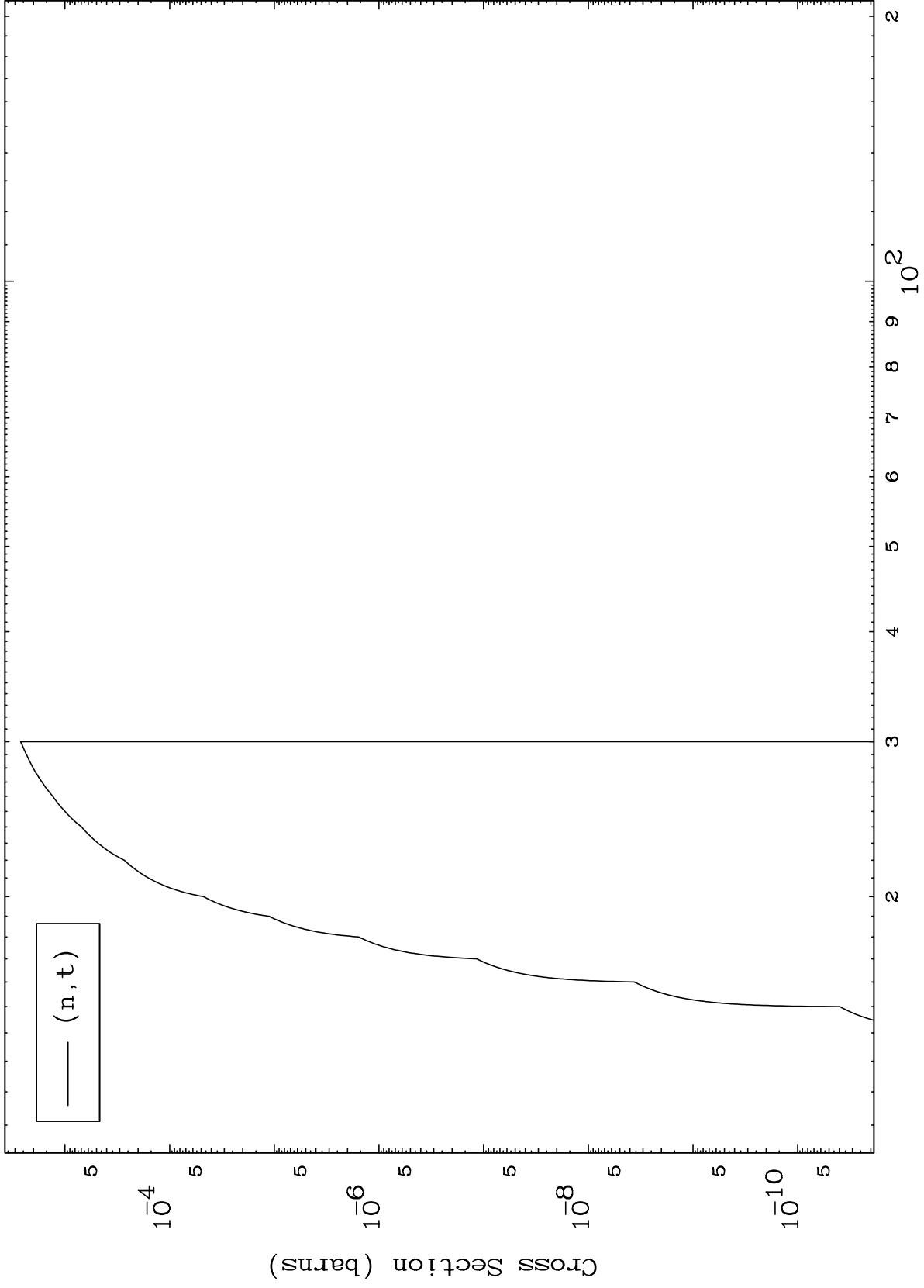
61-Pm-142



8

Incident Energy (MeV)

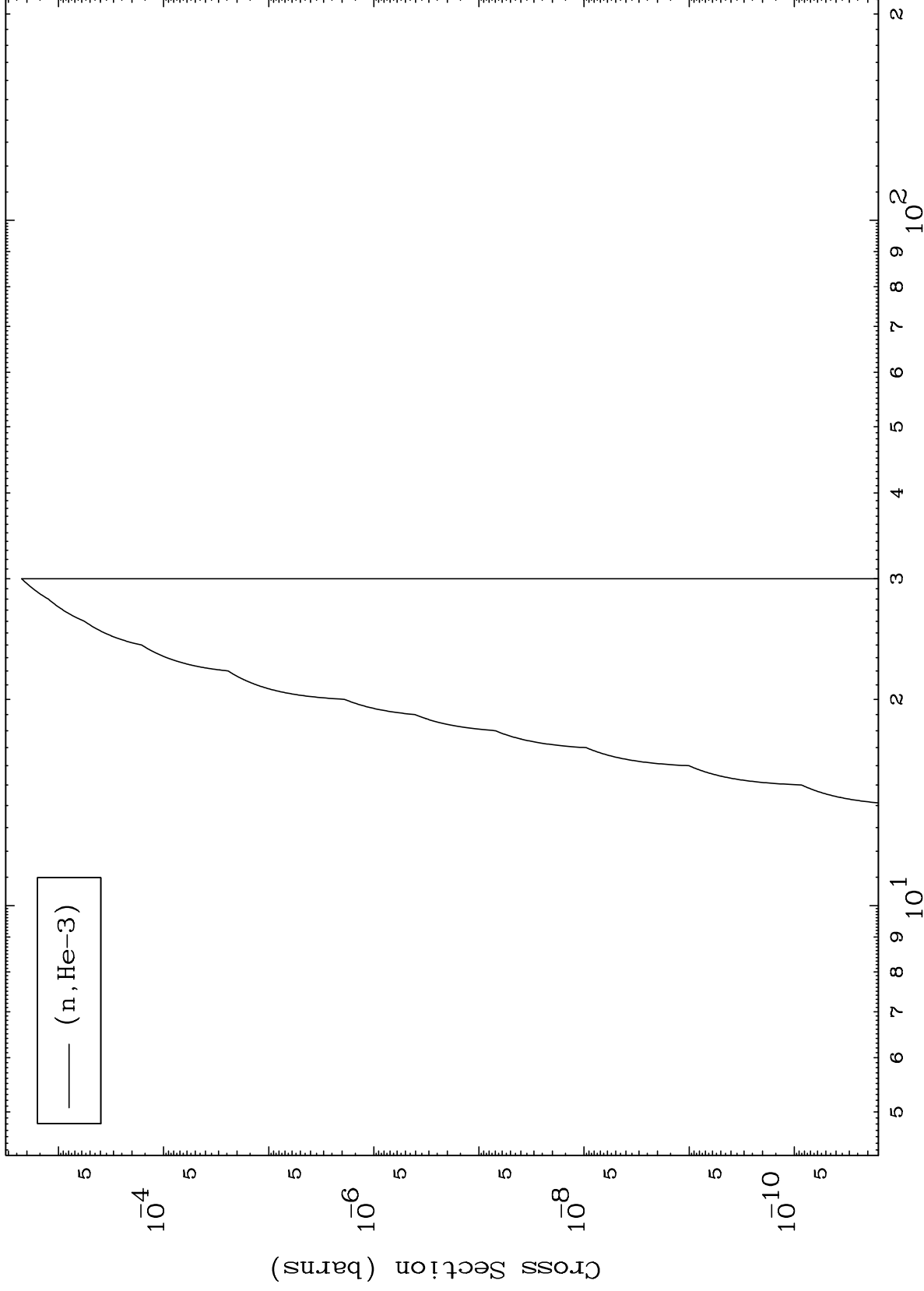
61-Pm-142



MAT 6134

(p,He3) Levels  
0 Kelvin Cross Sections

61-Pm-142



10

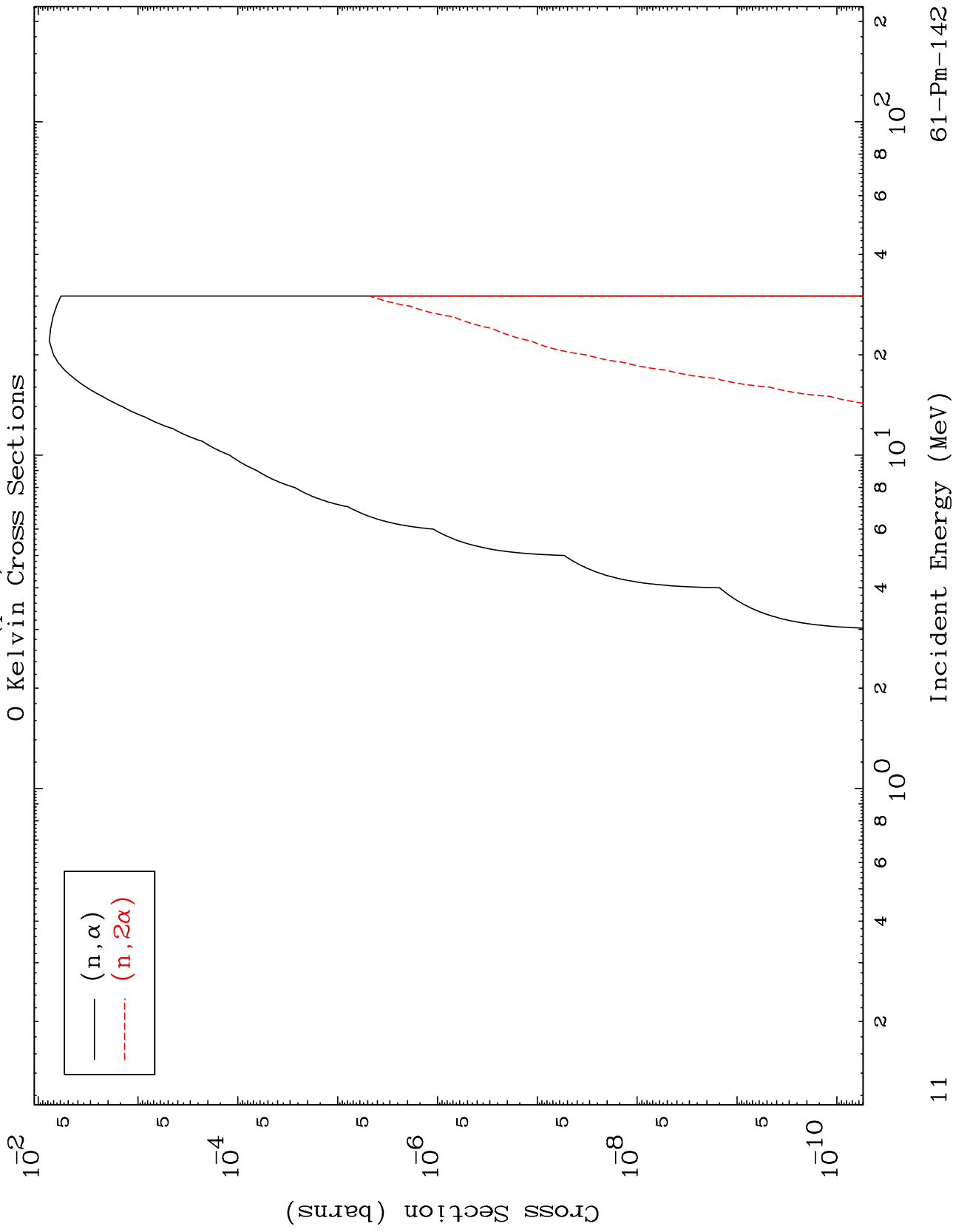
Incident Energy (MeV)

61-Pm-142

MAT 6134

(p,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

61-Pm-142

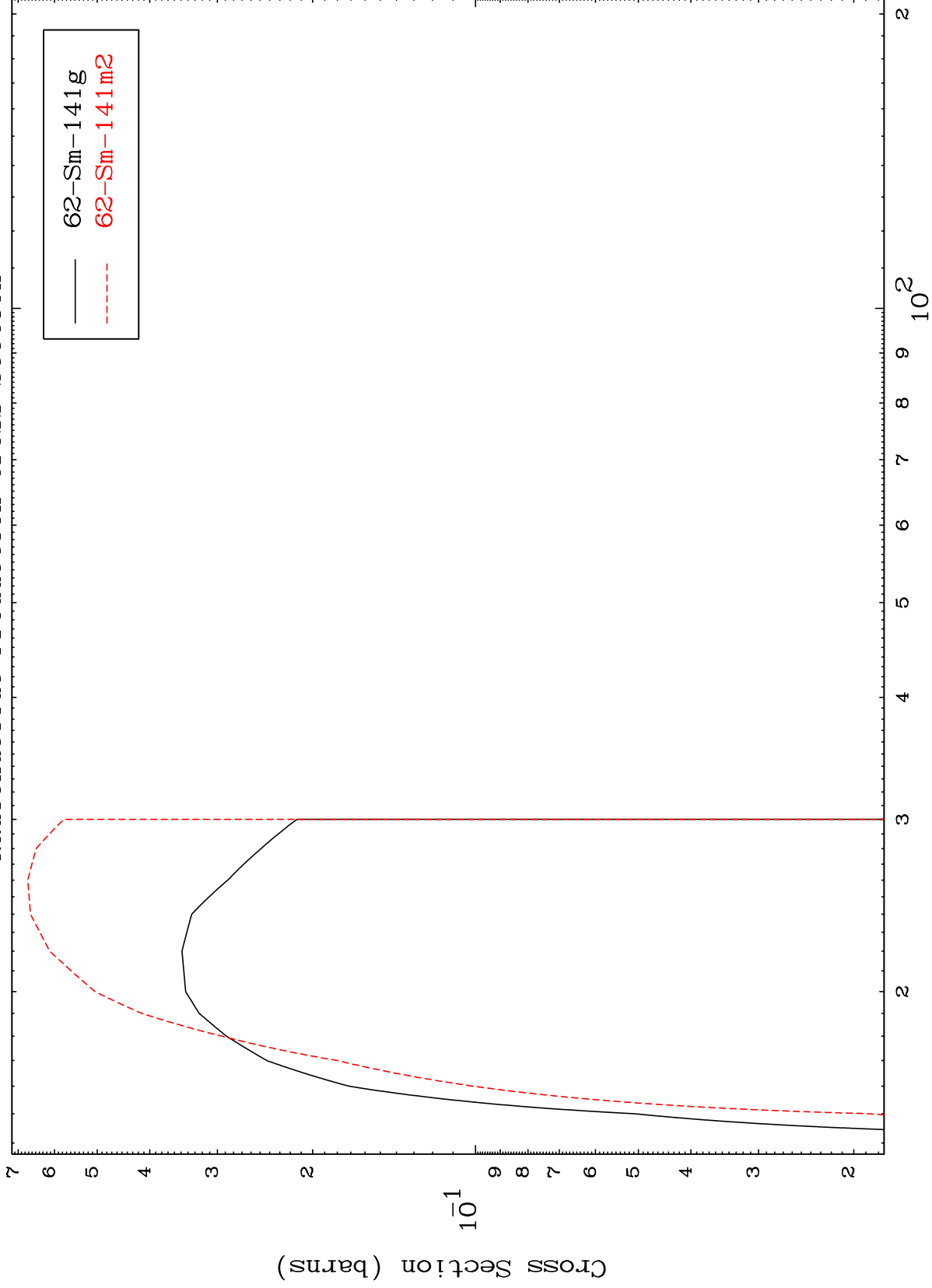


MAT 6134

(n,2n)

61-Pm-142

Radionuclide Production Cross Section



12

Incident Energy (MeV)

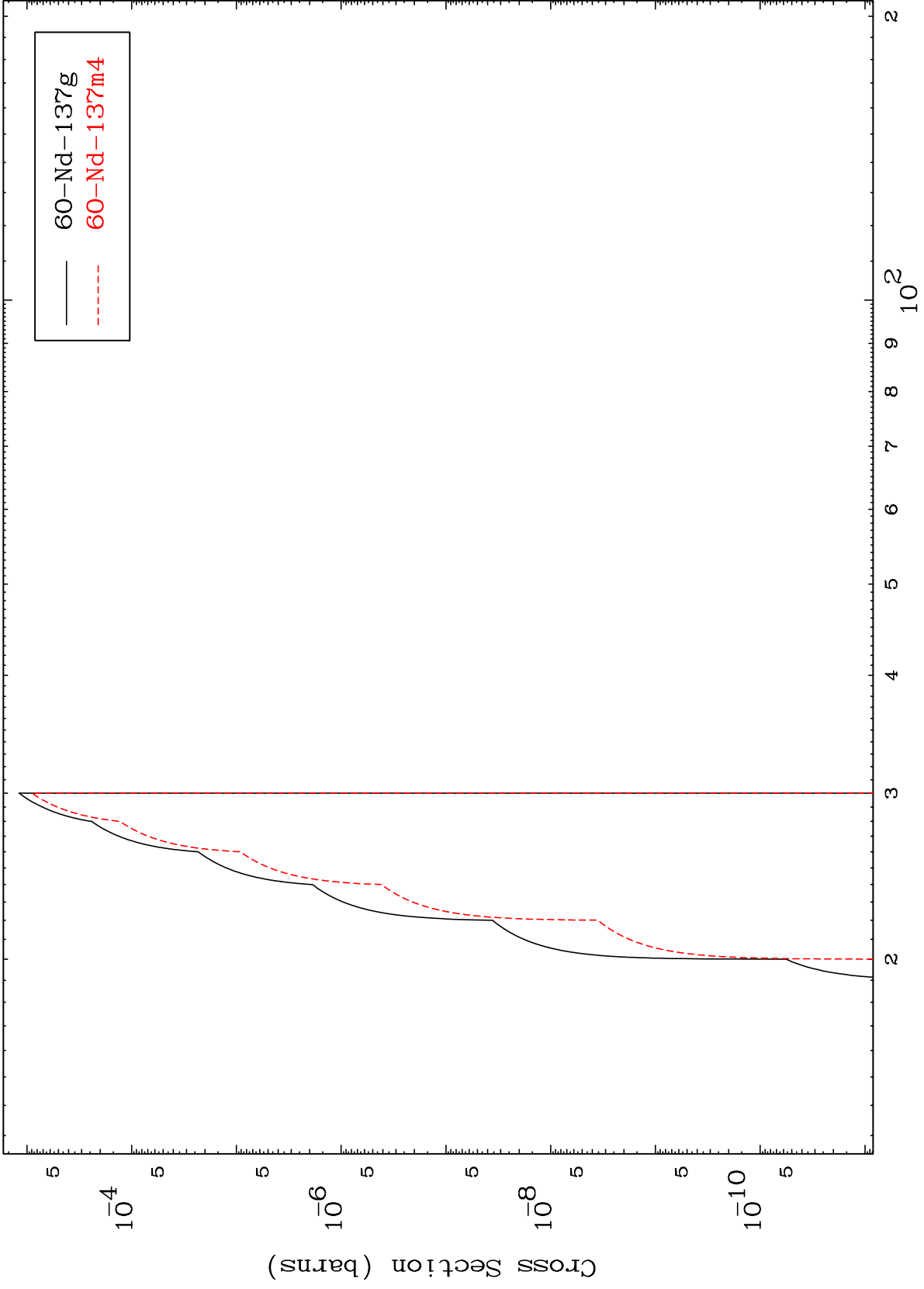
61-Pm-142

MAT 6134

(n,2n)  $\alpha$

61-Pm-142

Radionuclide Production Cross Section



13

Incident Energy (MeV)

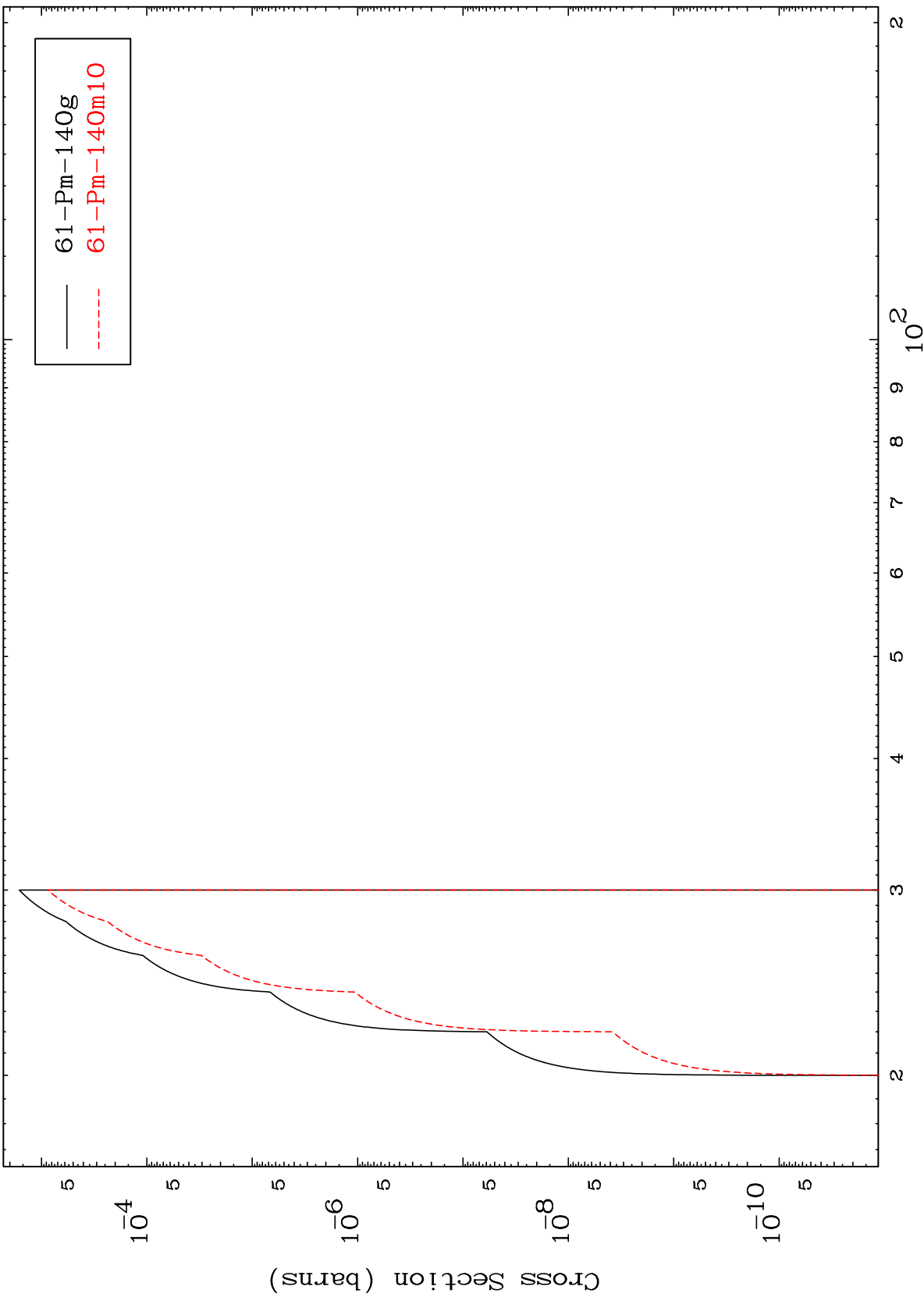
61-Pm-142

MAT 6134

(n,n') d

61-Pm-142

Radionuclide Production Cross Section



14

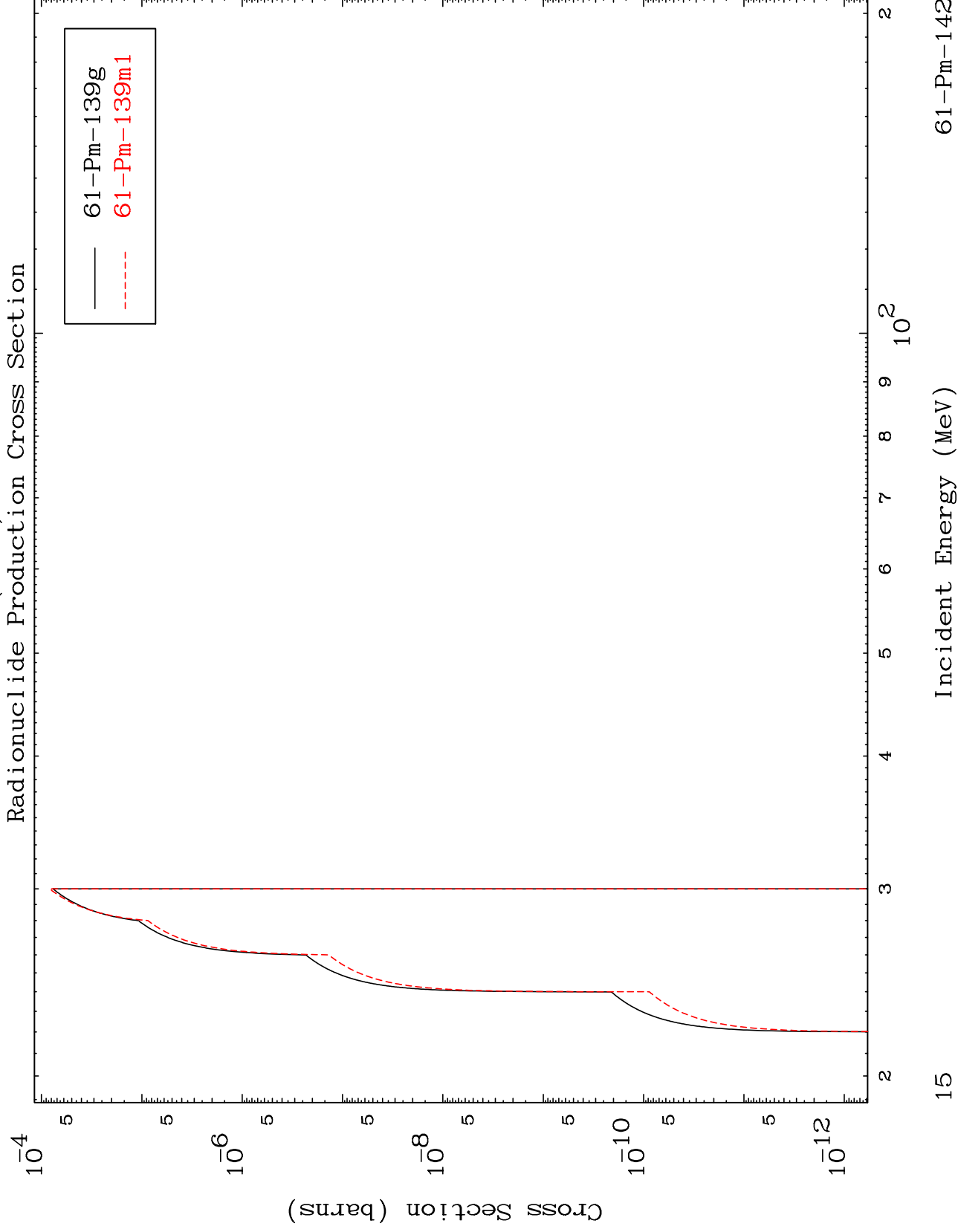
Incident Energy (MeV)

61-Pm-142

MAT 6134

(n,n') t

61-Pm-142



15

Incident Energy (MeV)

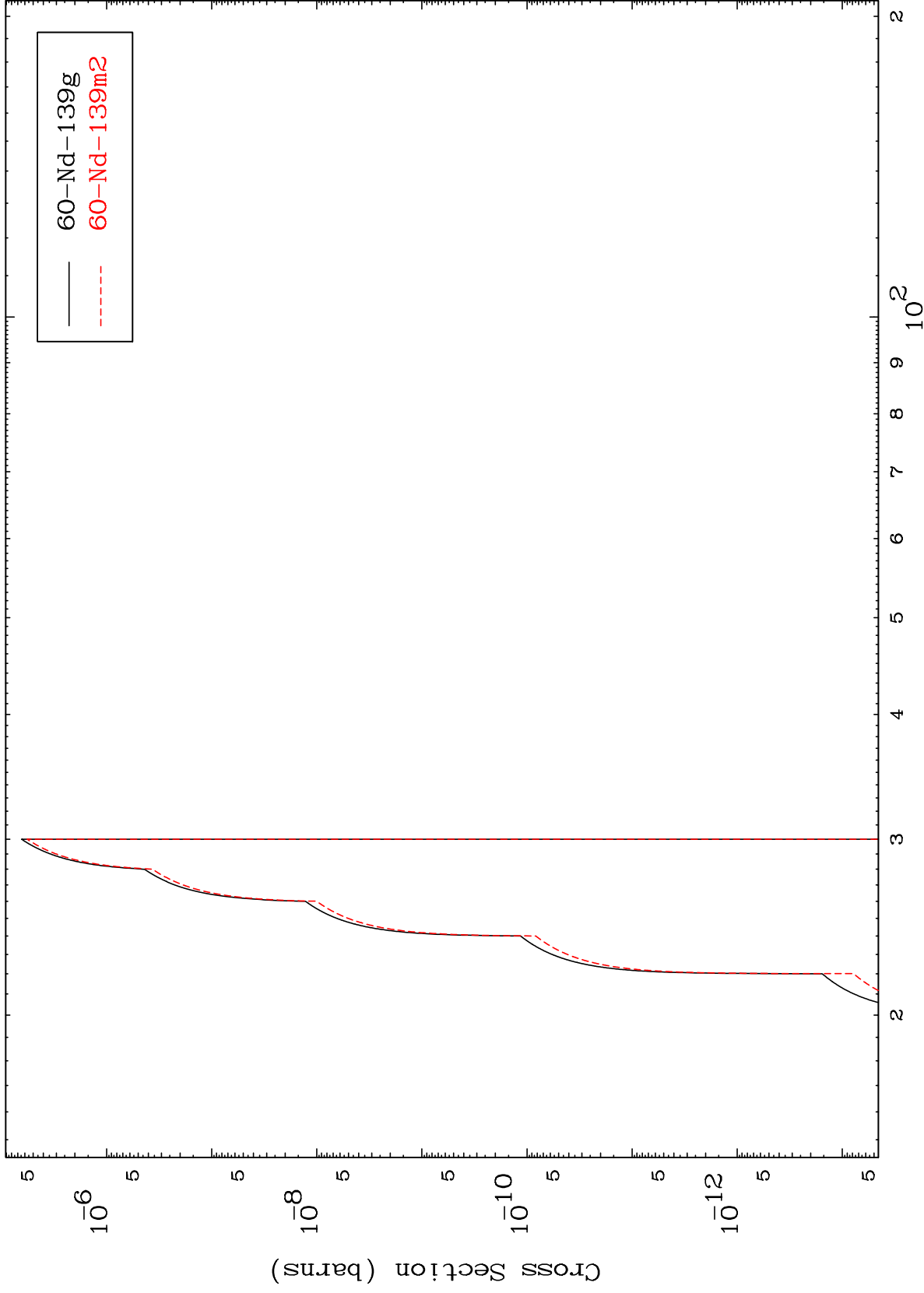
61-Pm-142

MAT 6134

(n,n') He-3

61-Pm-142

Radionuclide Production Cross Section



16

Incident Energy (MeV)

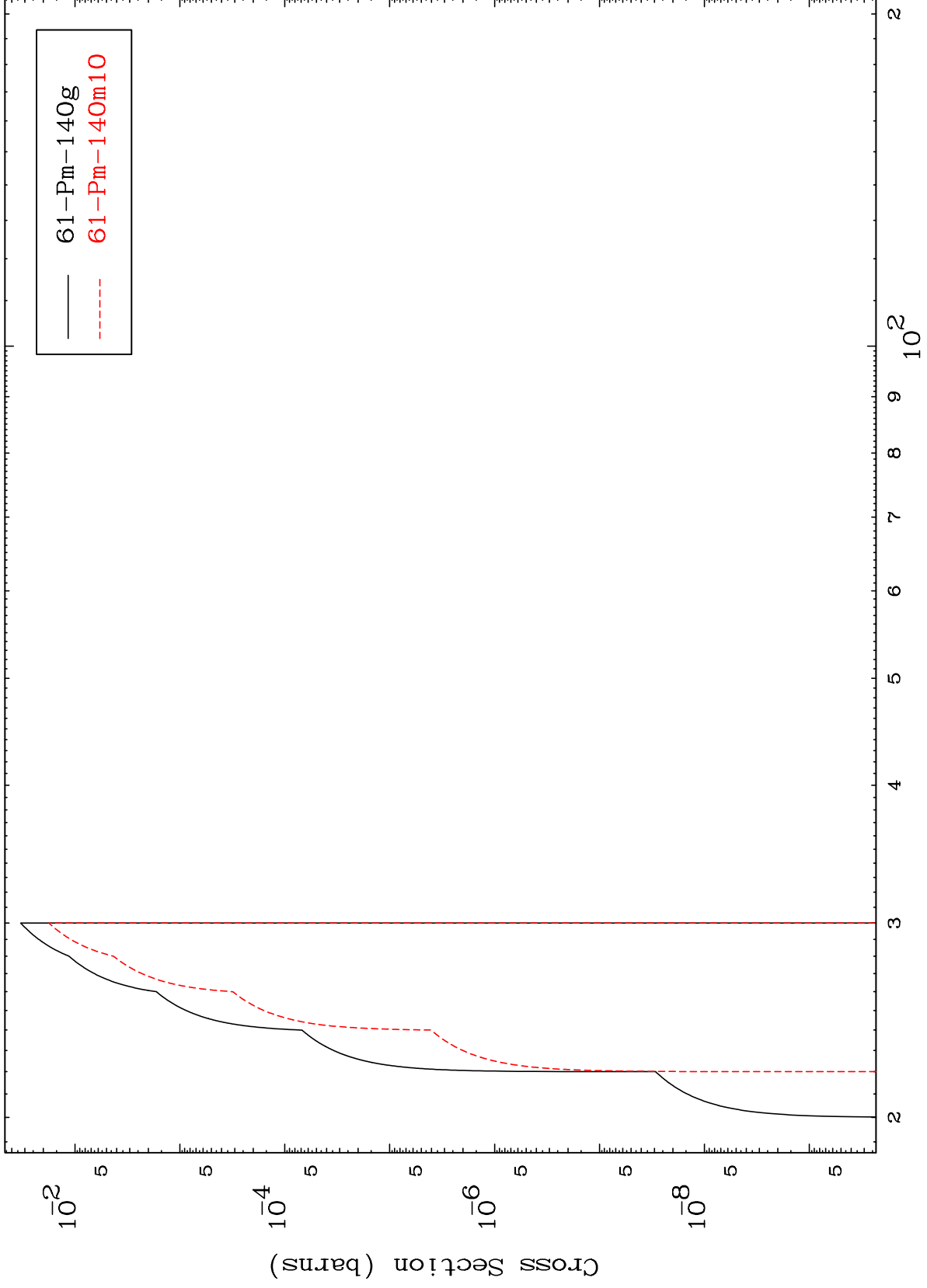
61-Pm-142

MAT 6134

(n,2n) p

61-Pm-142

Radionuclide Production Cross Section



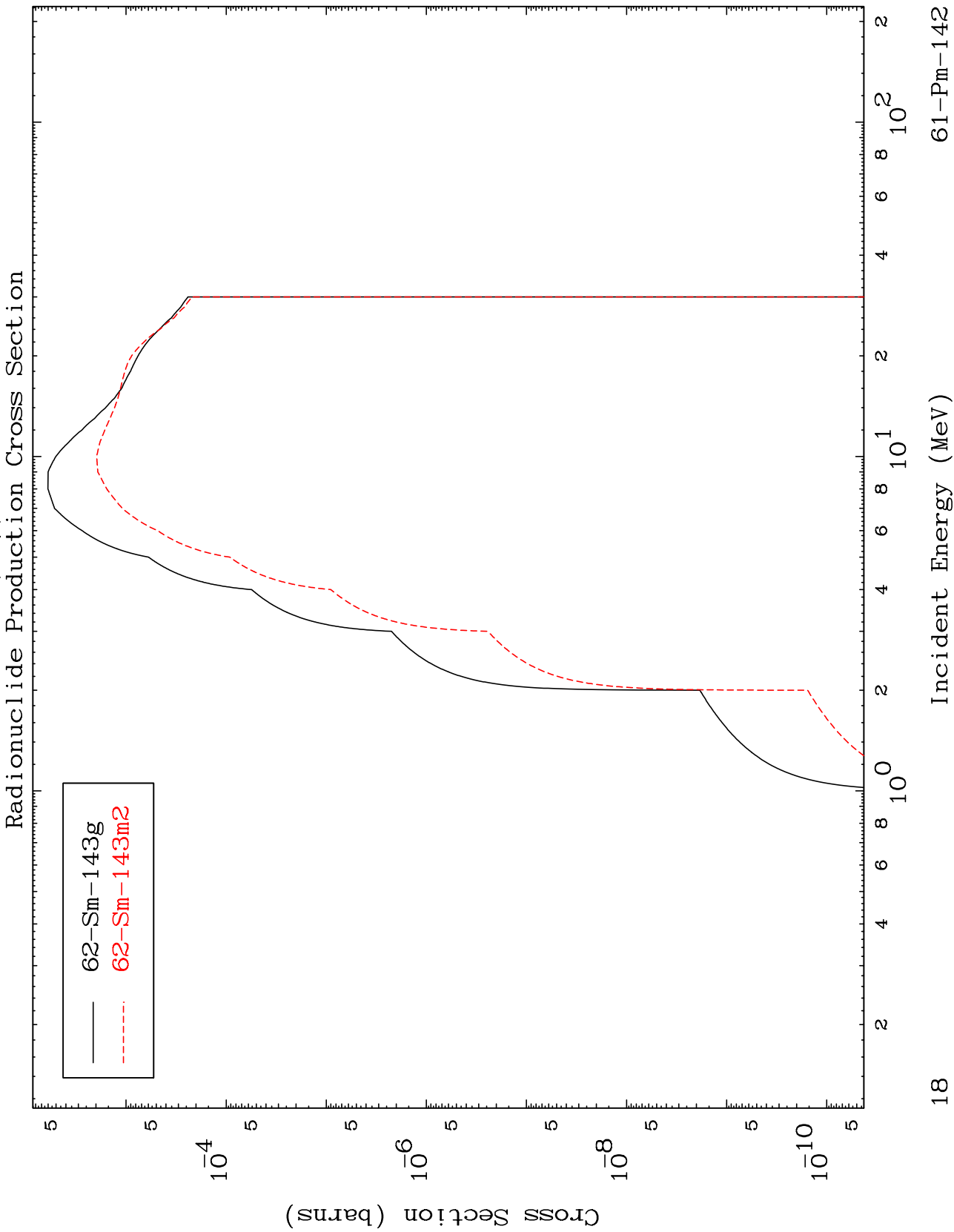
17

Incident Energy (MeV)

61-Pm-142

MAT 6134

61-Pm-142



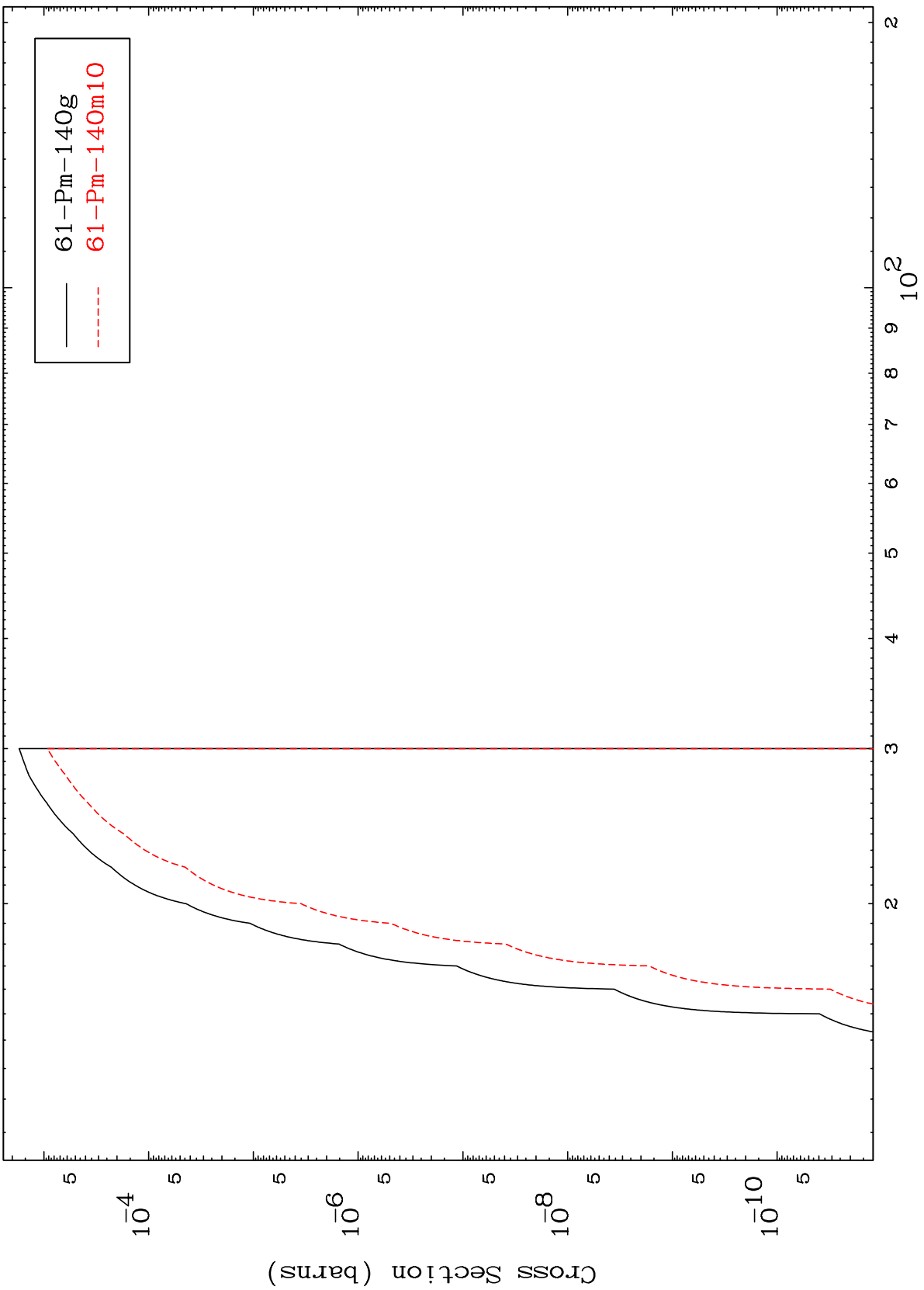
— 62-Sm-143g  
- - - 62-Sm-143m2

MAT 6134

(n, t)

61-Pm-142

Radionuclide Production Cross Section



61-Pm-140g  
61-Pm-140m10

19

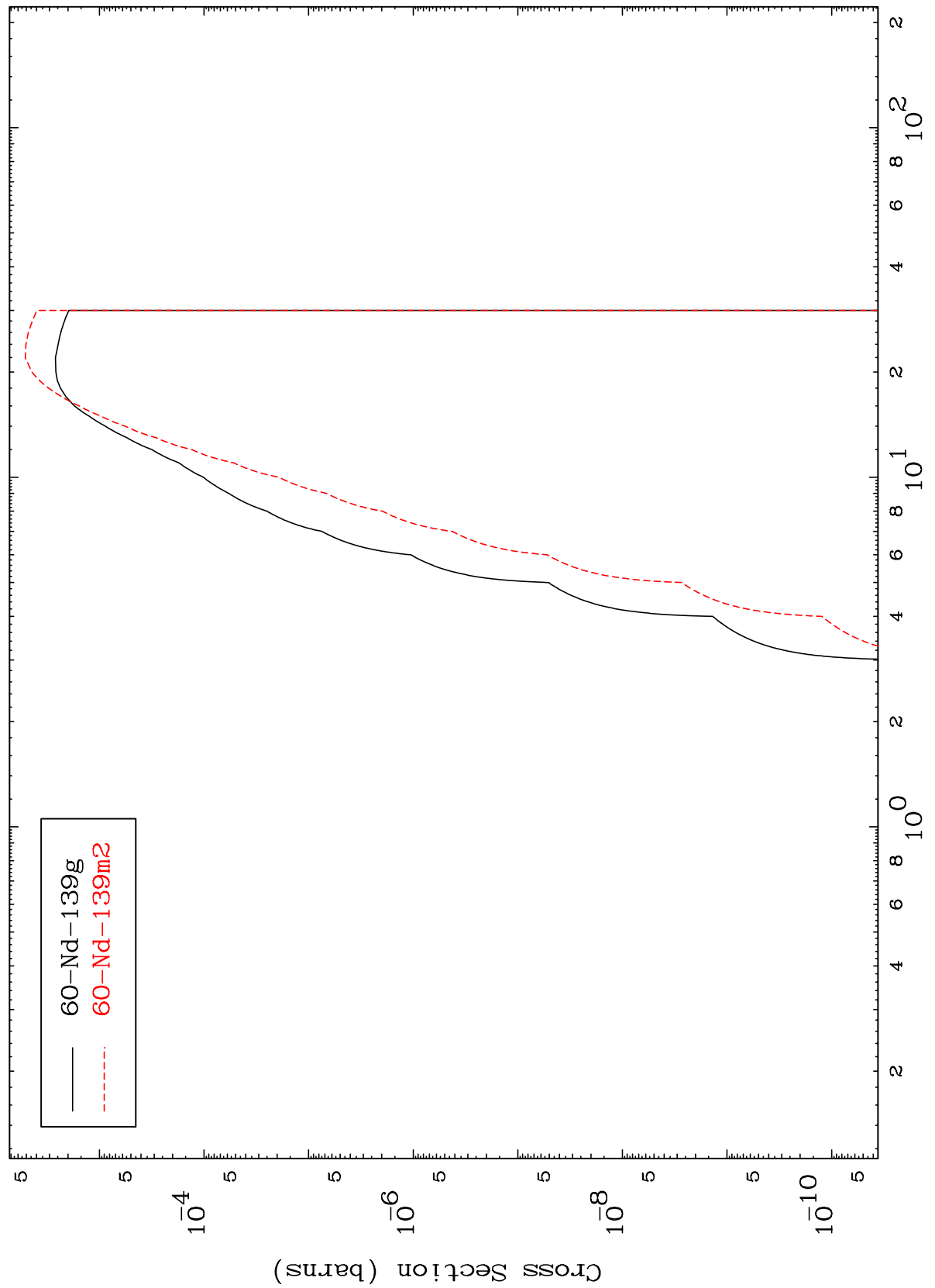
Incident Energy (MeV)

61-Pm-142

MAT 6134

61-Pm-142

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



60-Nd-139g  
60-Nd-139m2

61-Pm-142

Incident Energy (MeV)

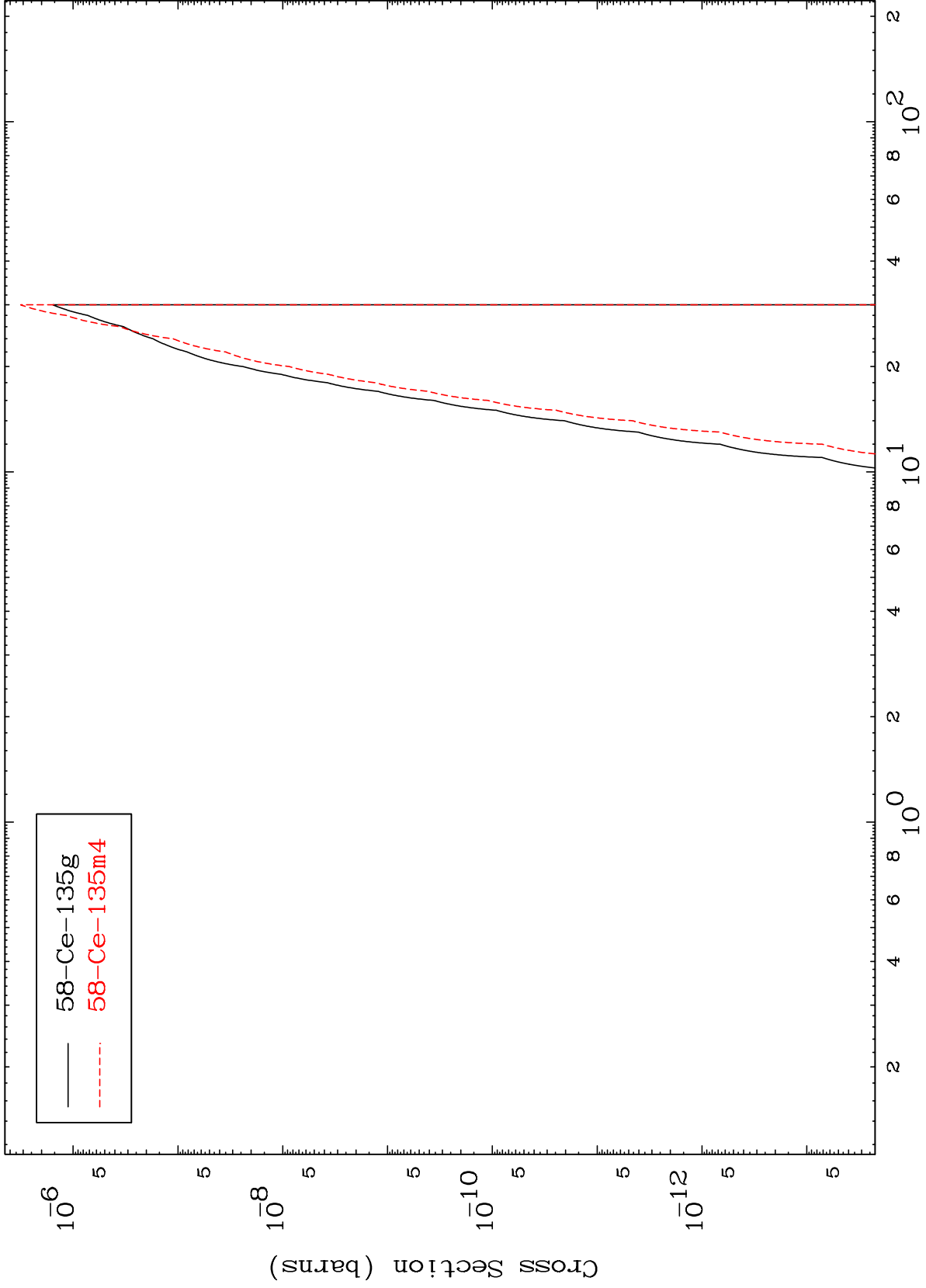
20

MAT 6134

(n,2α)

61-Pm-142

Radionuclide Production Cross Section

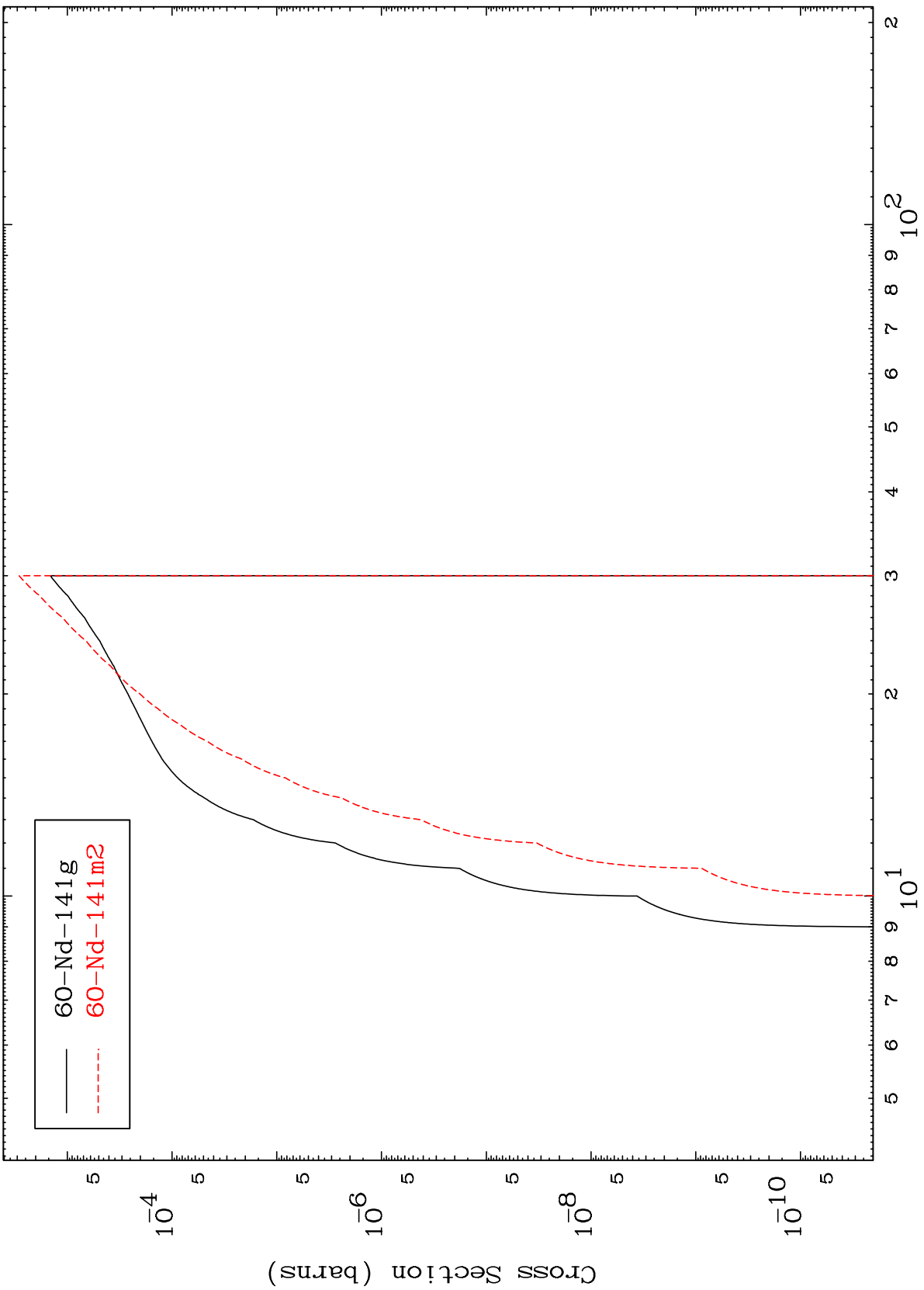


— 58-Ce-135g  
- - - 58-Ce-135m4

MAT 6134

61-Pm-142

(n,2p)  
Radionuclide Production Cross Section



22

Incident Energy (MeV)

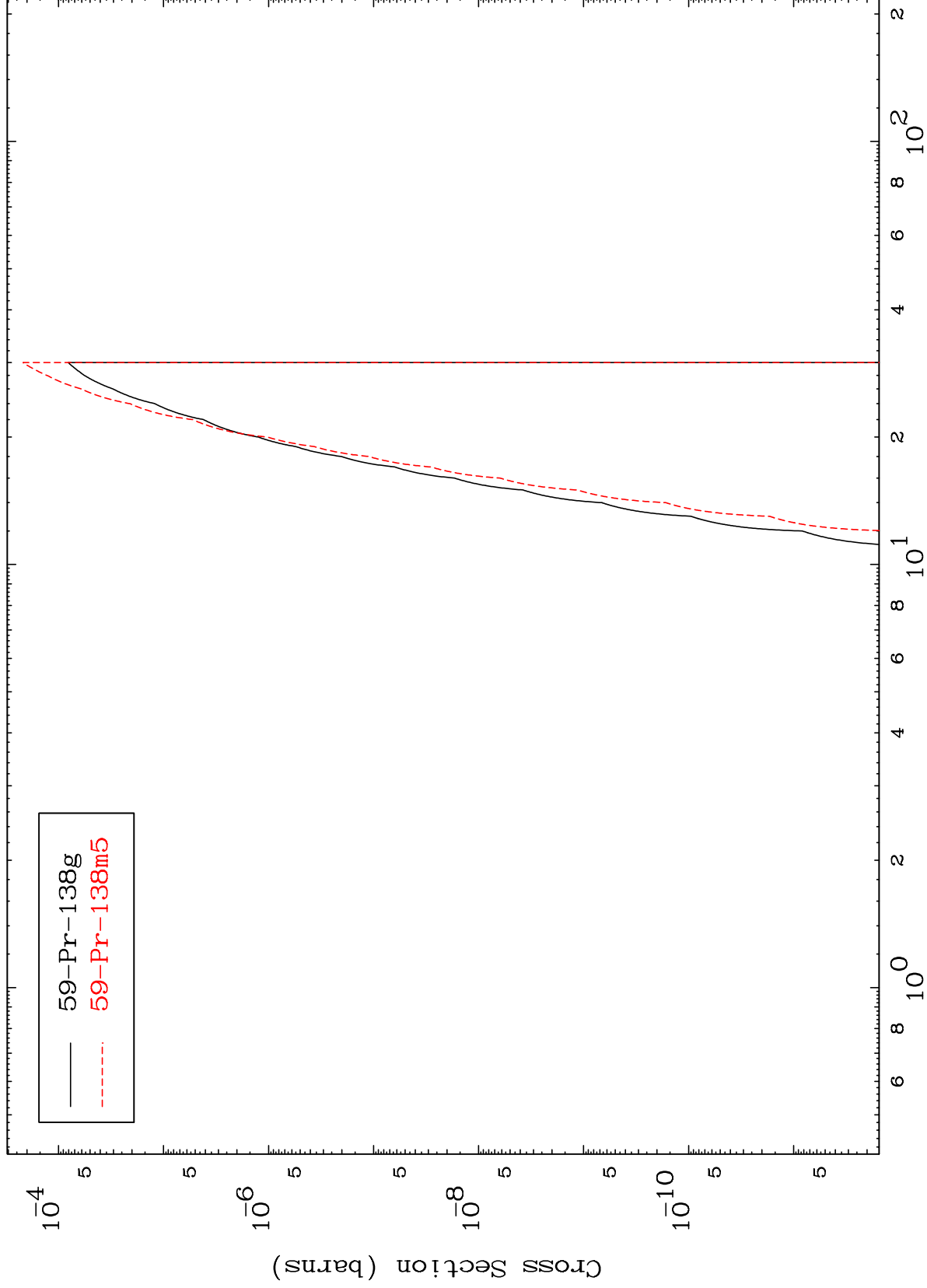
61-Pm-142

MAT 6134

(n,p)  $\alpha$

61-Pm-142

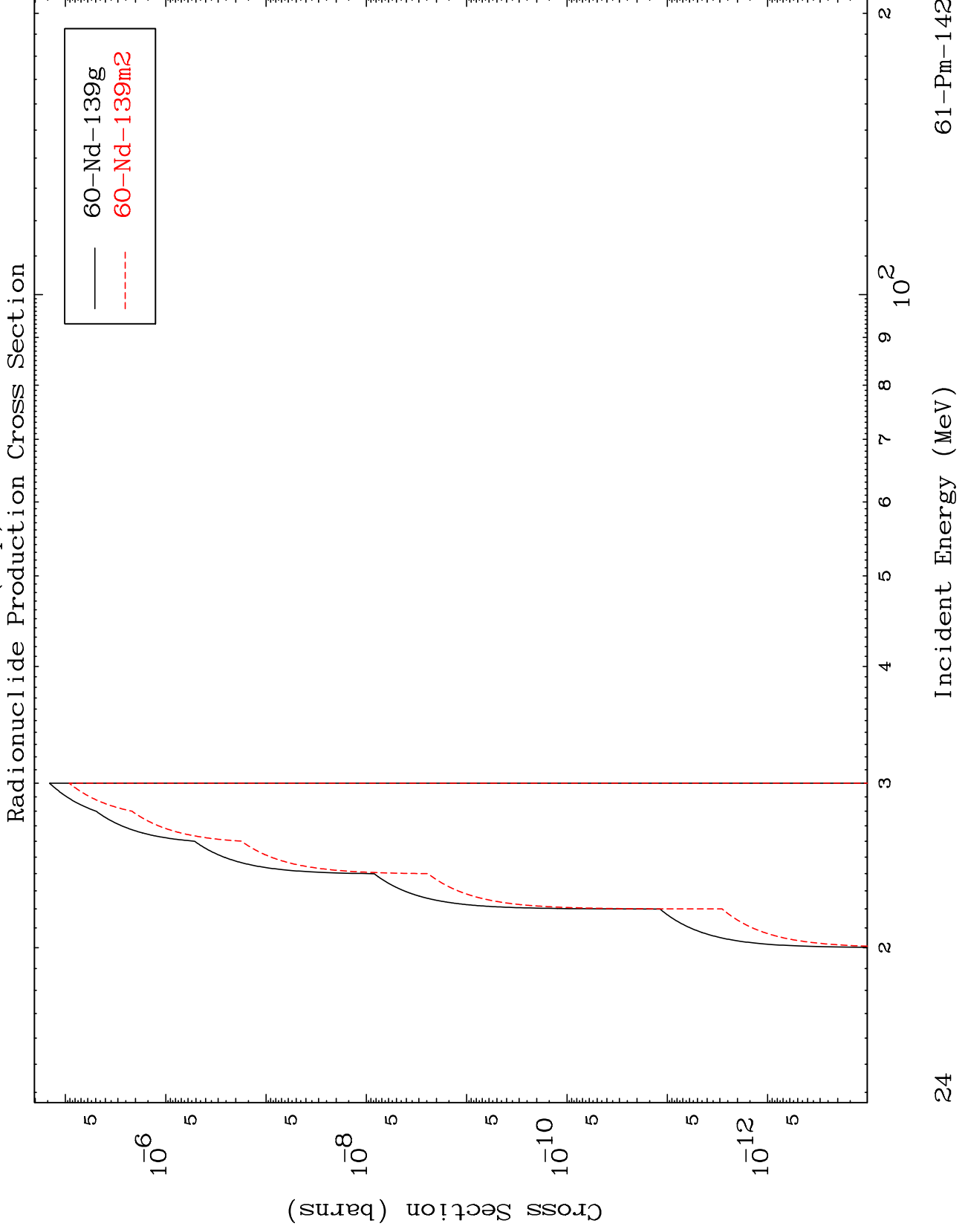
Radionuclide Production Cross Section



MAT 6134

(n,p) t

61-Pm-142



24

Incident Energy (MeV)

61-Pm-142