

Program EVALPLOT
(Version 2021-1)

by

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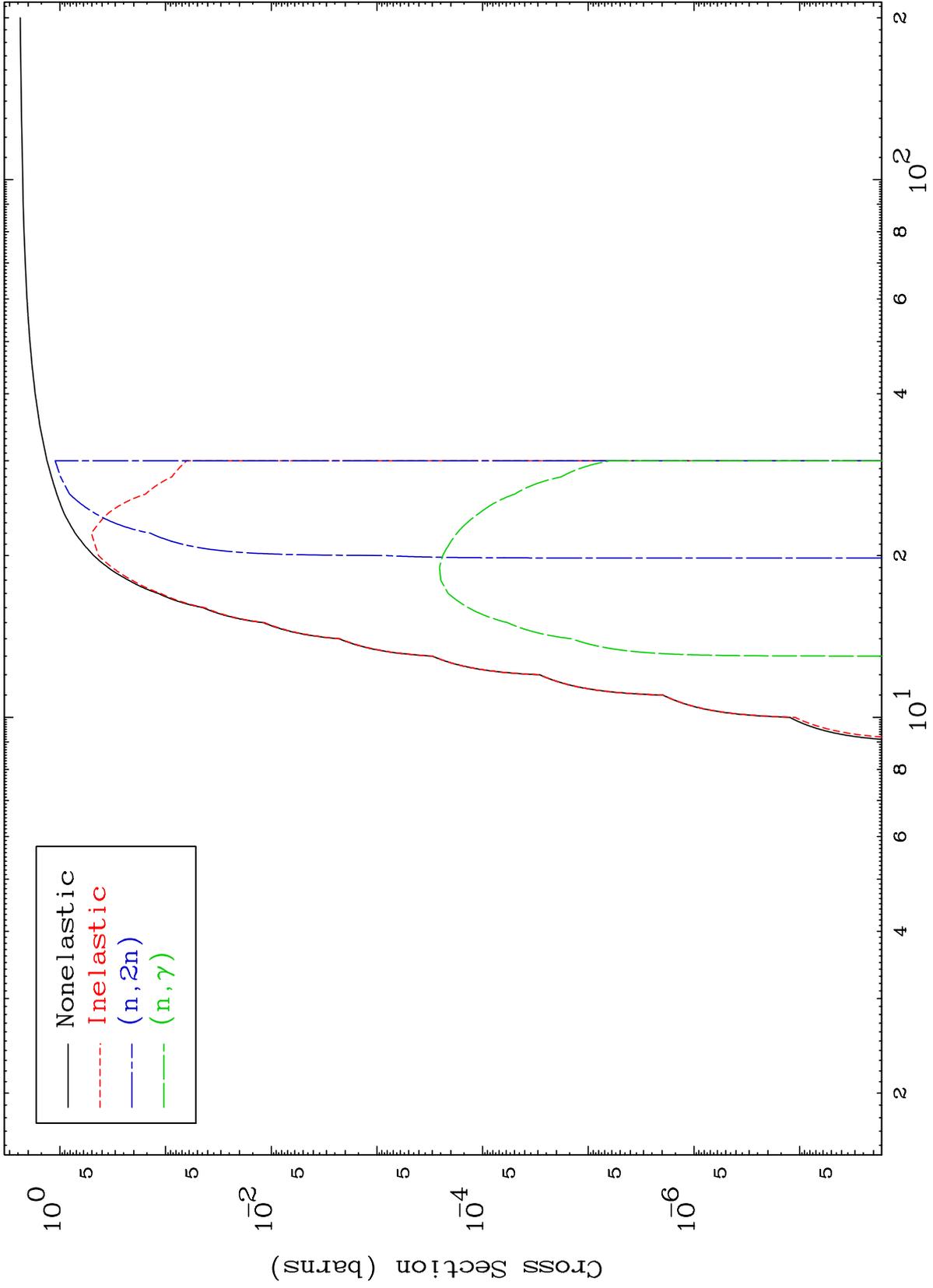
Press Mouse Button to Start

MAT 6134

α Major

61-Pm-142

0 Kelvin Cross Sections



1

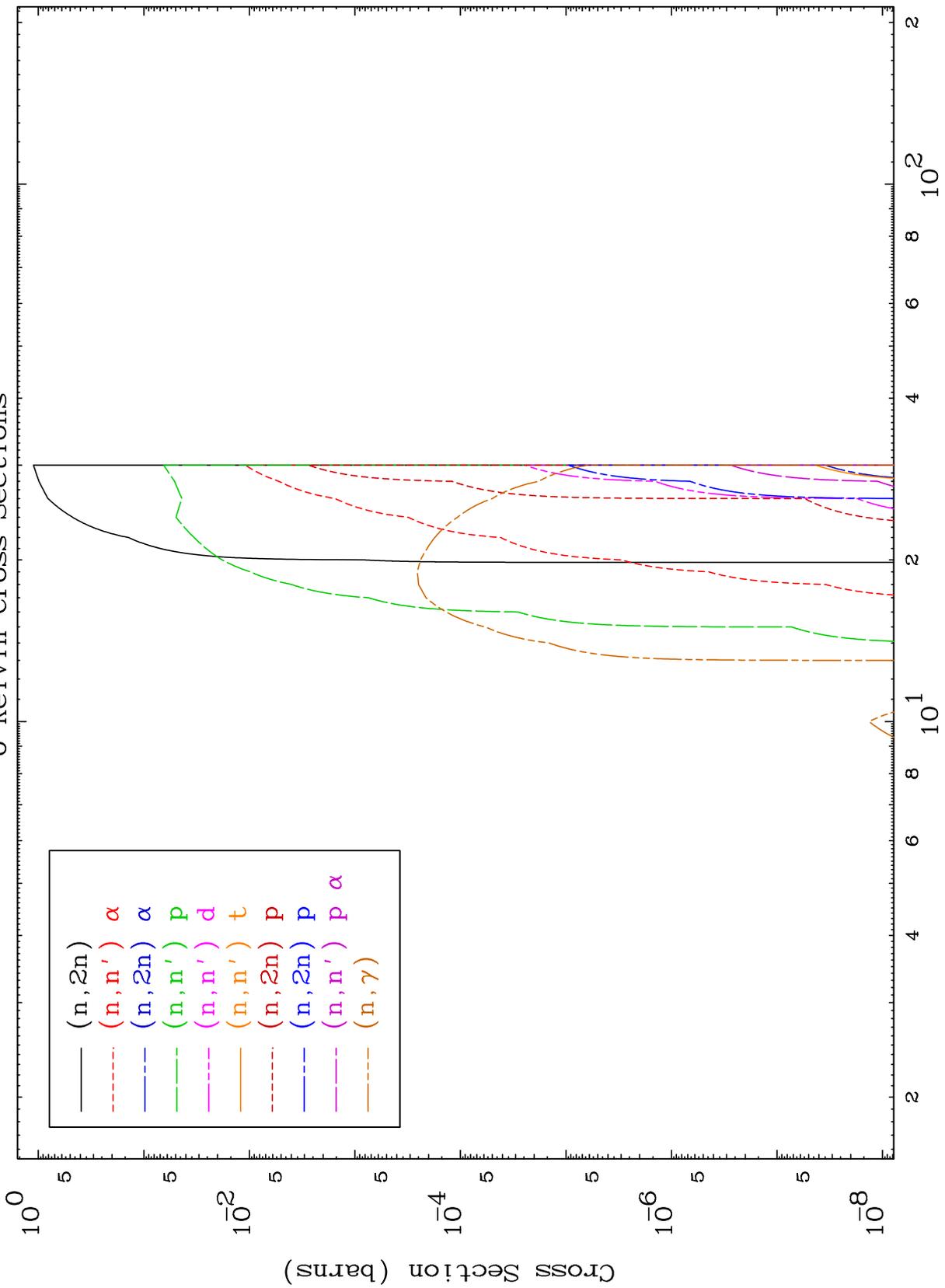
Incident Energy (MeV)

61-Pm-142

MAT 6134

α Neutron Absorption
0 Kelvin Cross Sections

61-Pm-142



2

Incident Energy (MeV)

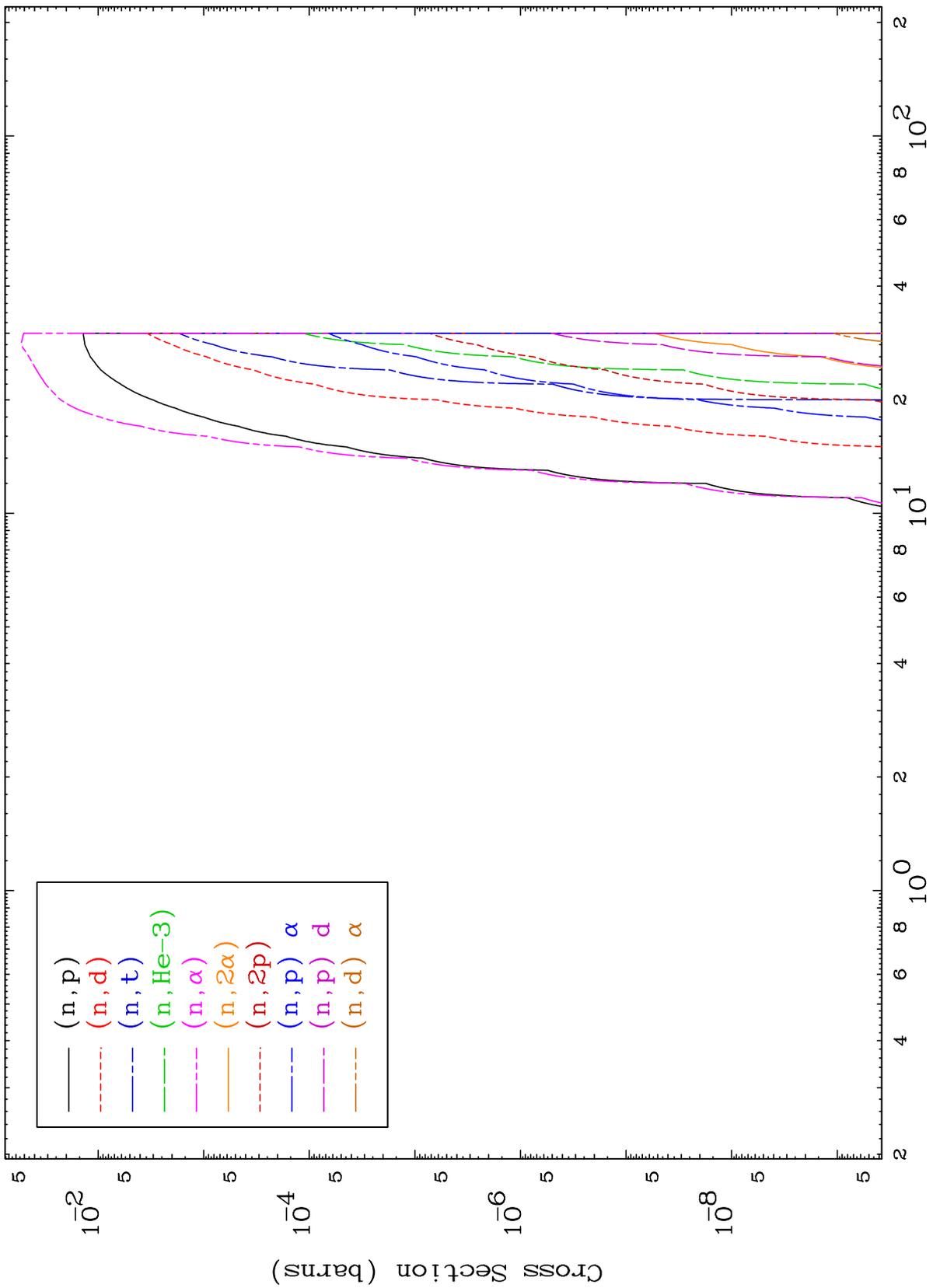
61-Pm-142

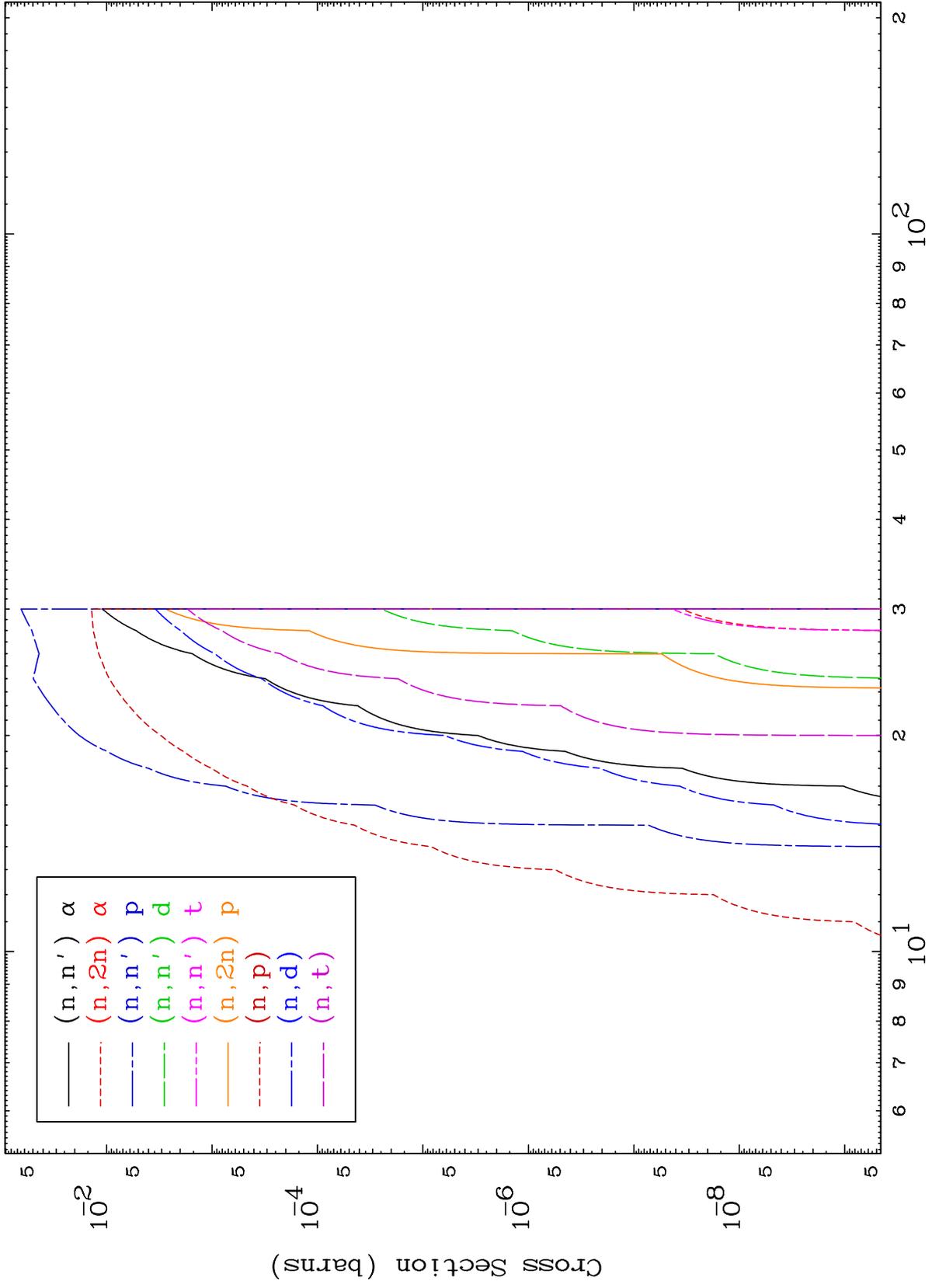
MAT 6134

α Neutron Absorption

61-Pm-142

0 Kelvin Cross Sections

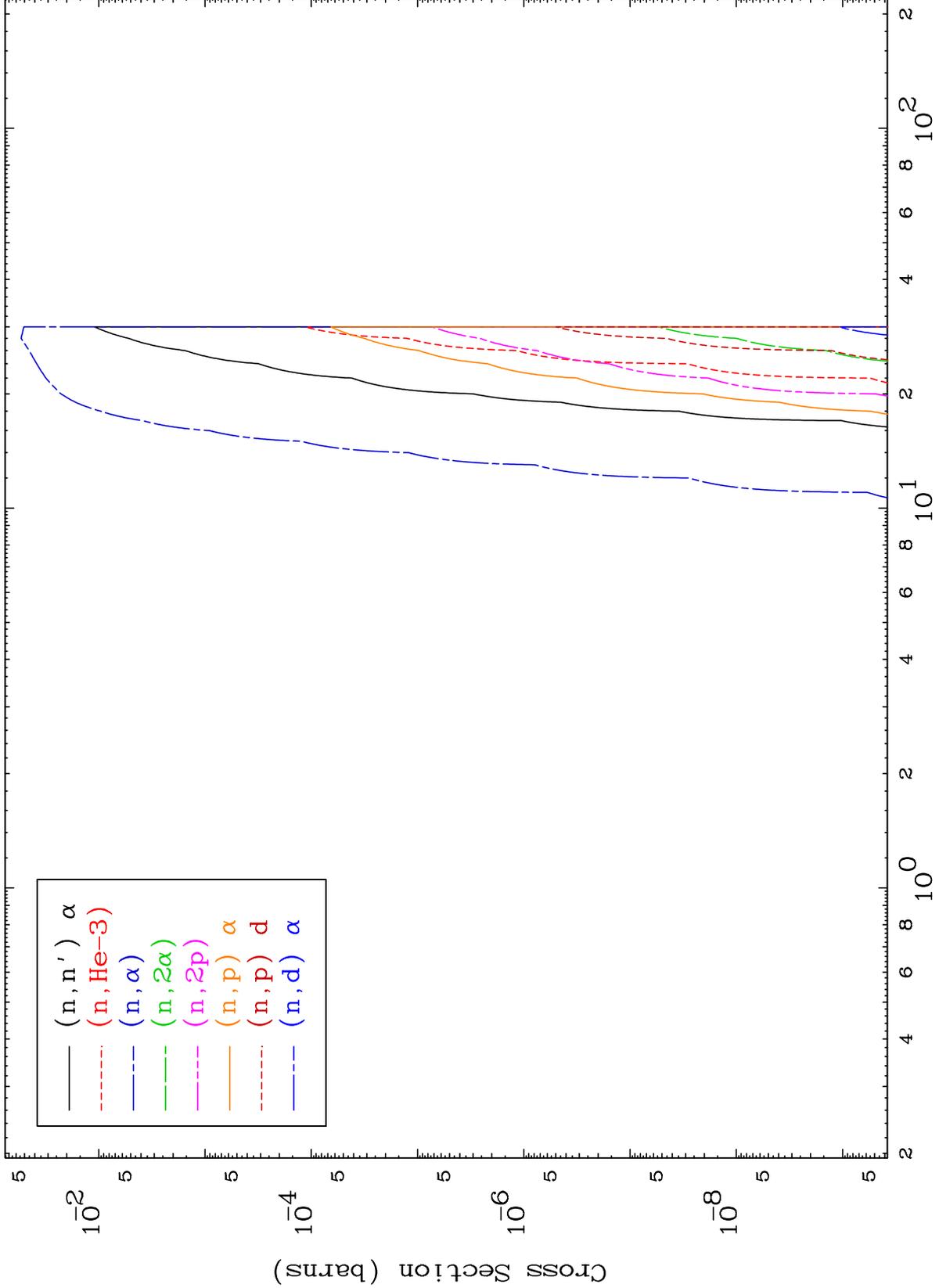




MAT 6134

α Charged Particle
0 Kelvin Cross Sections

61-Pm-142



5

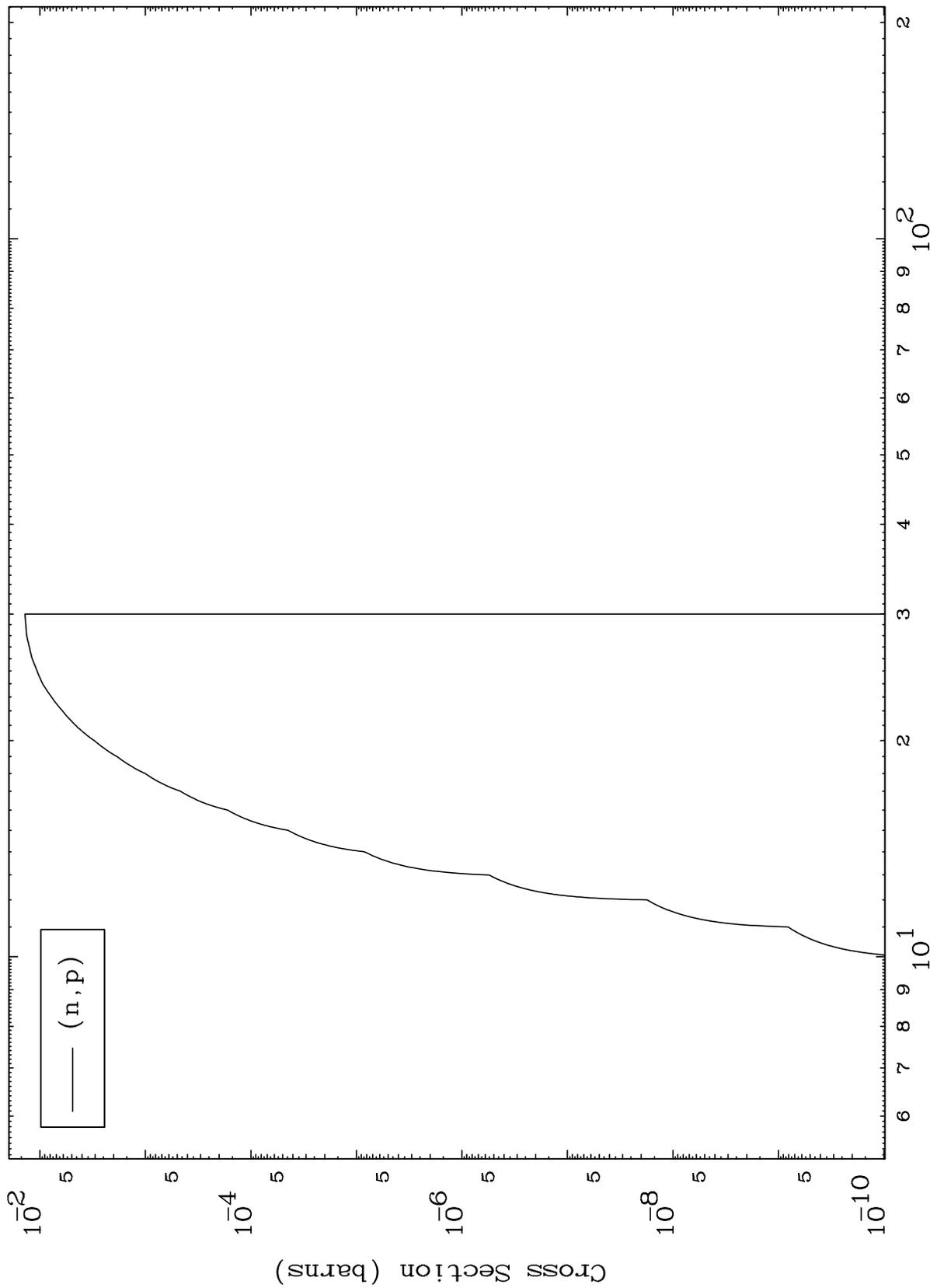
Incident Energy (MeV)

61-Pm-142

MAT 6134

61-Pm-142

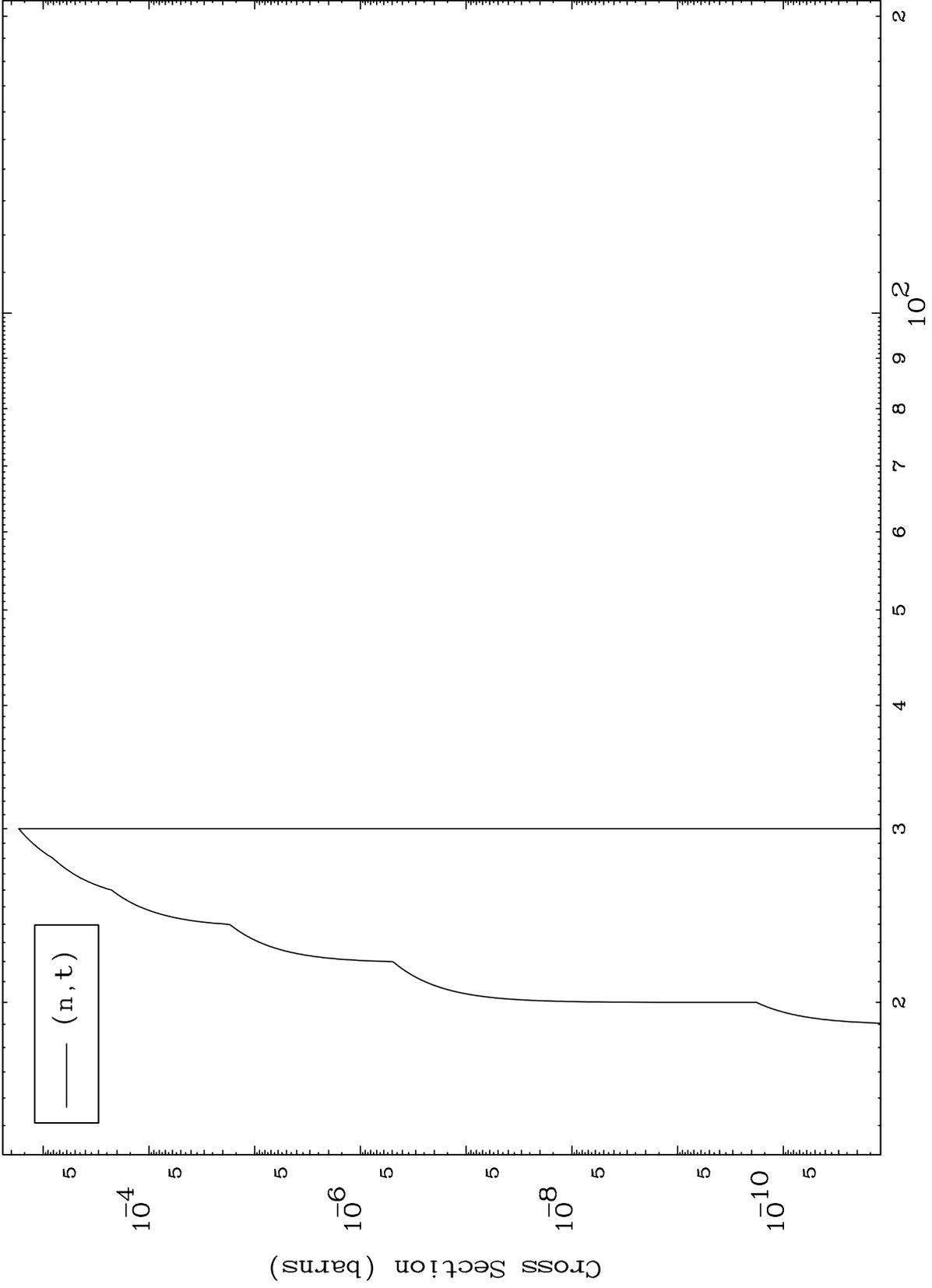
(α, p) Levels
0 Kelvin Cross Sections



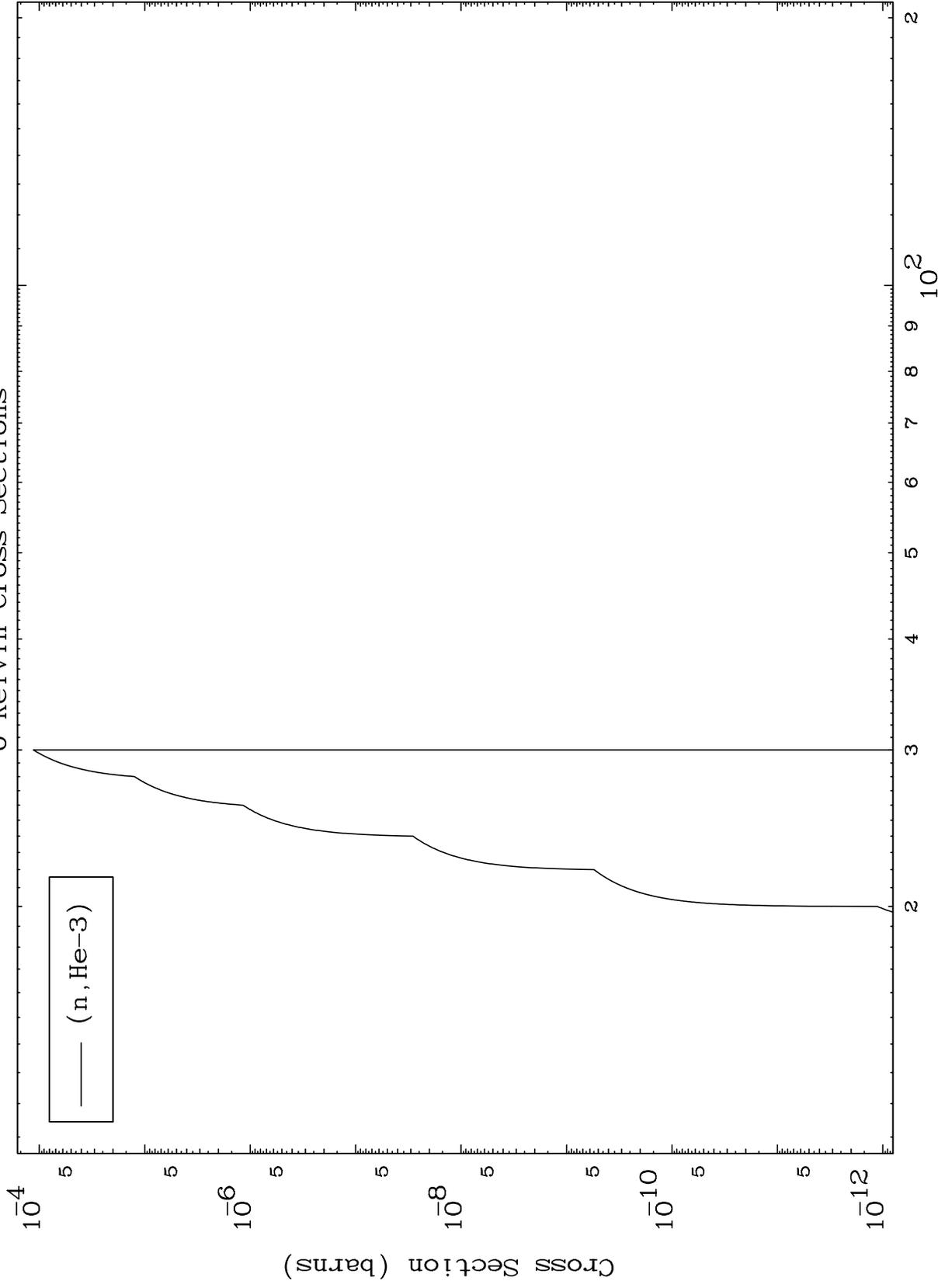
61-Pm-142

Incident Energy (MeV)

6



($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

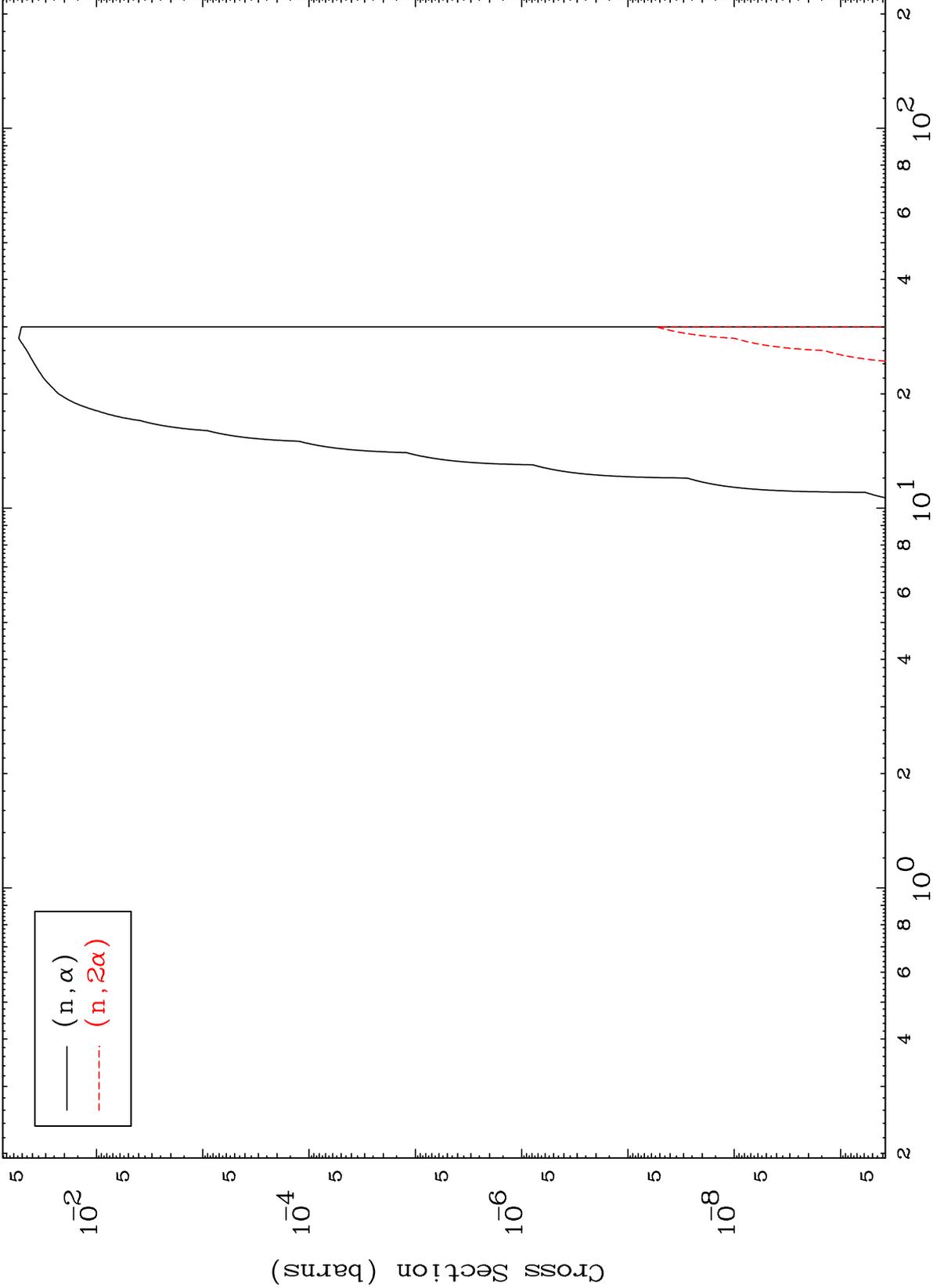


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(α, α) Levels

61-Pm-142

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

Incident Energy (MeV)

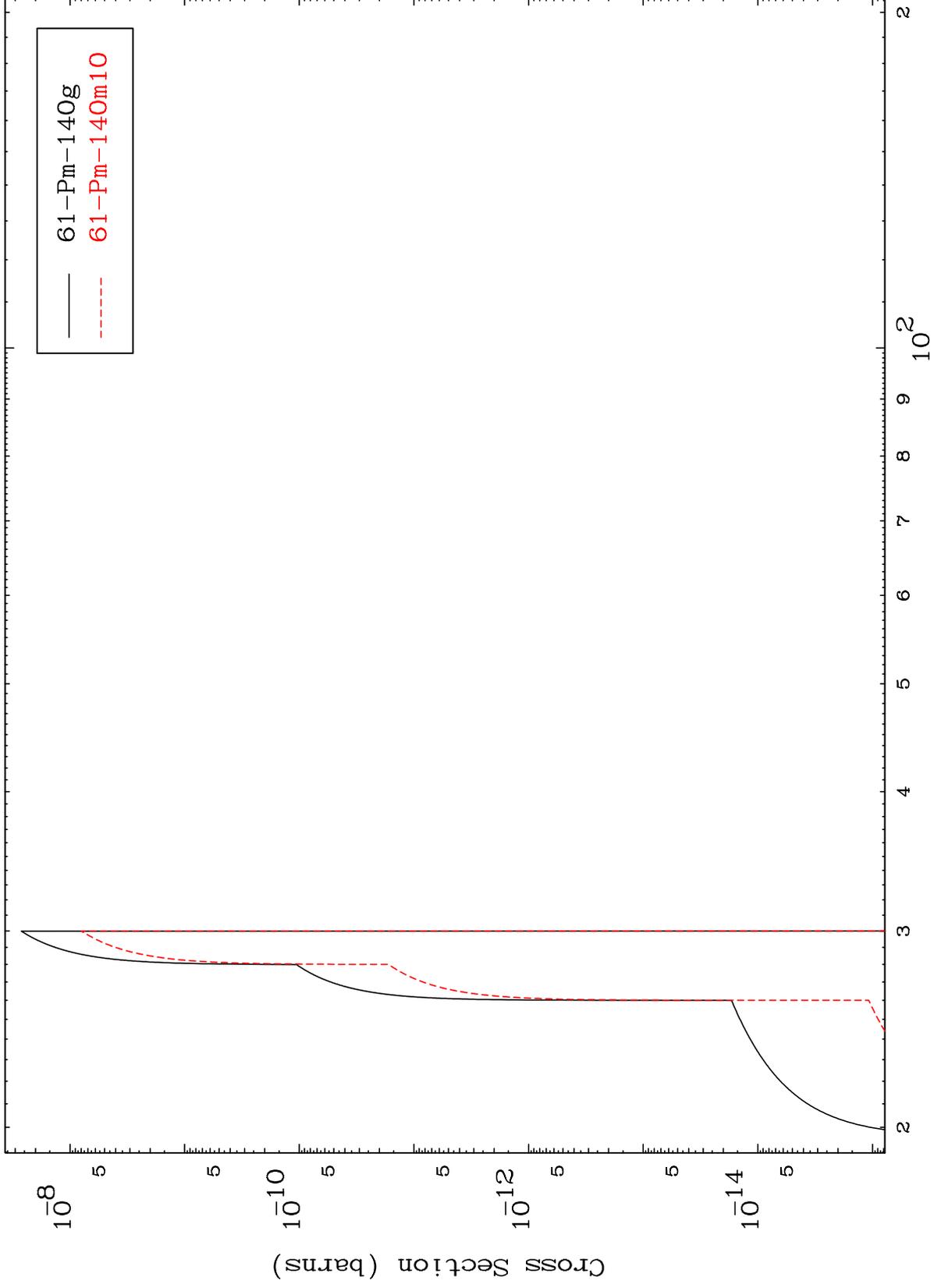
61-Pm-142

MAT 6134

$(n,2n) \alpha$

61-Pm-142

Radionuclide Production Cross Section



11

Incident Energy (MeV)

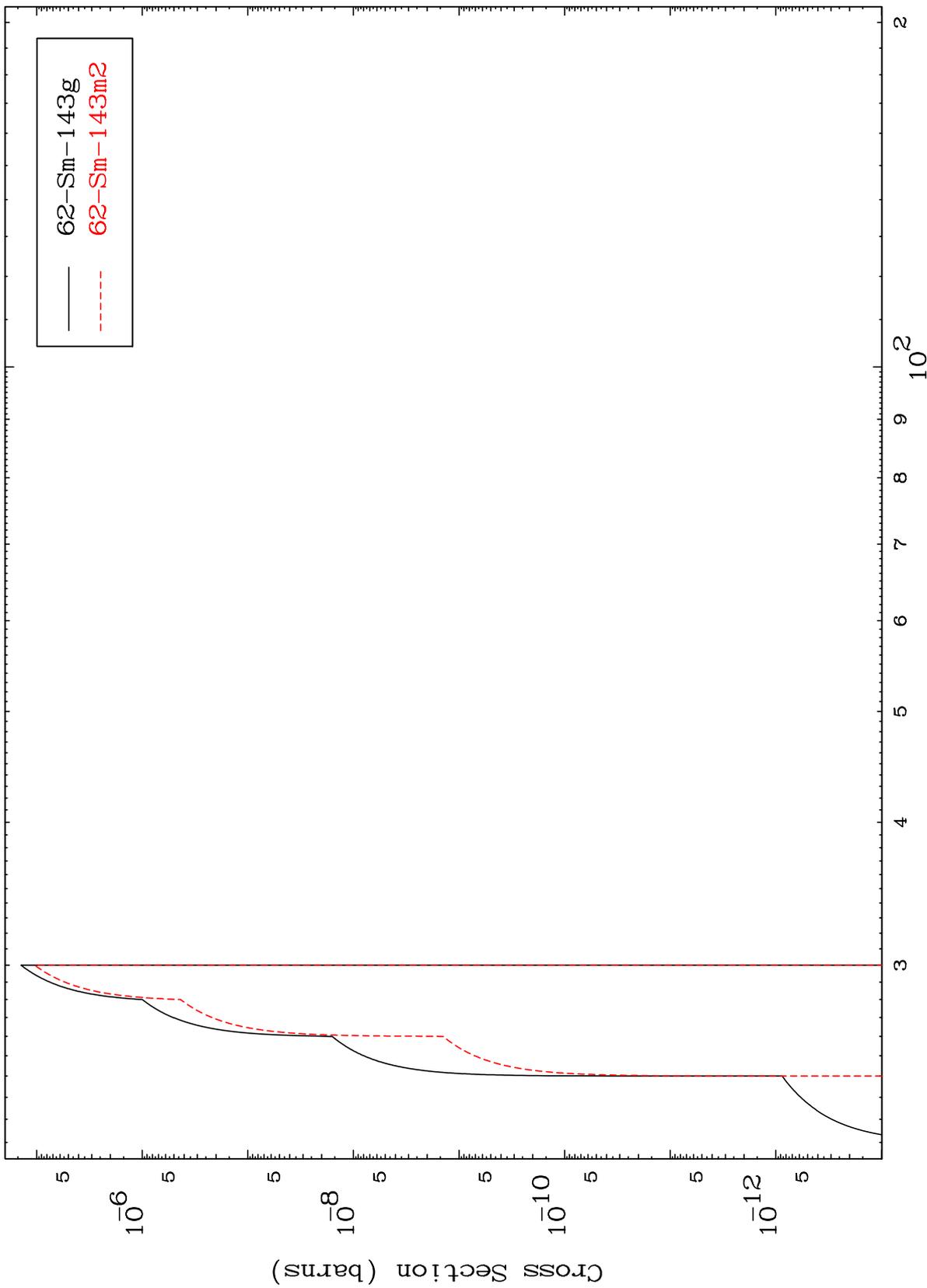
61-Pm-142

MAT 6134

(n,n') d

61-Pm-142

Radionuclide Production Cross Section

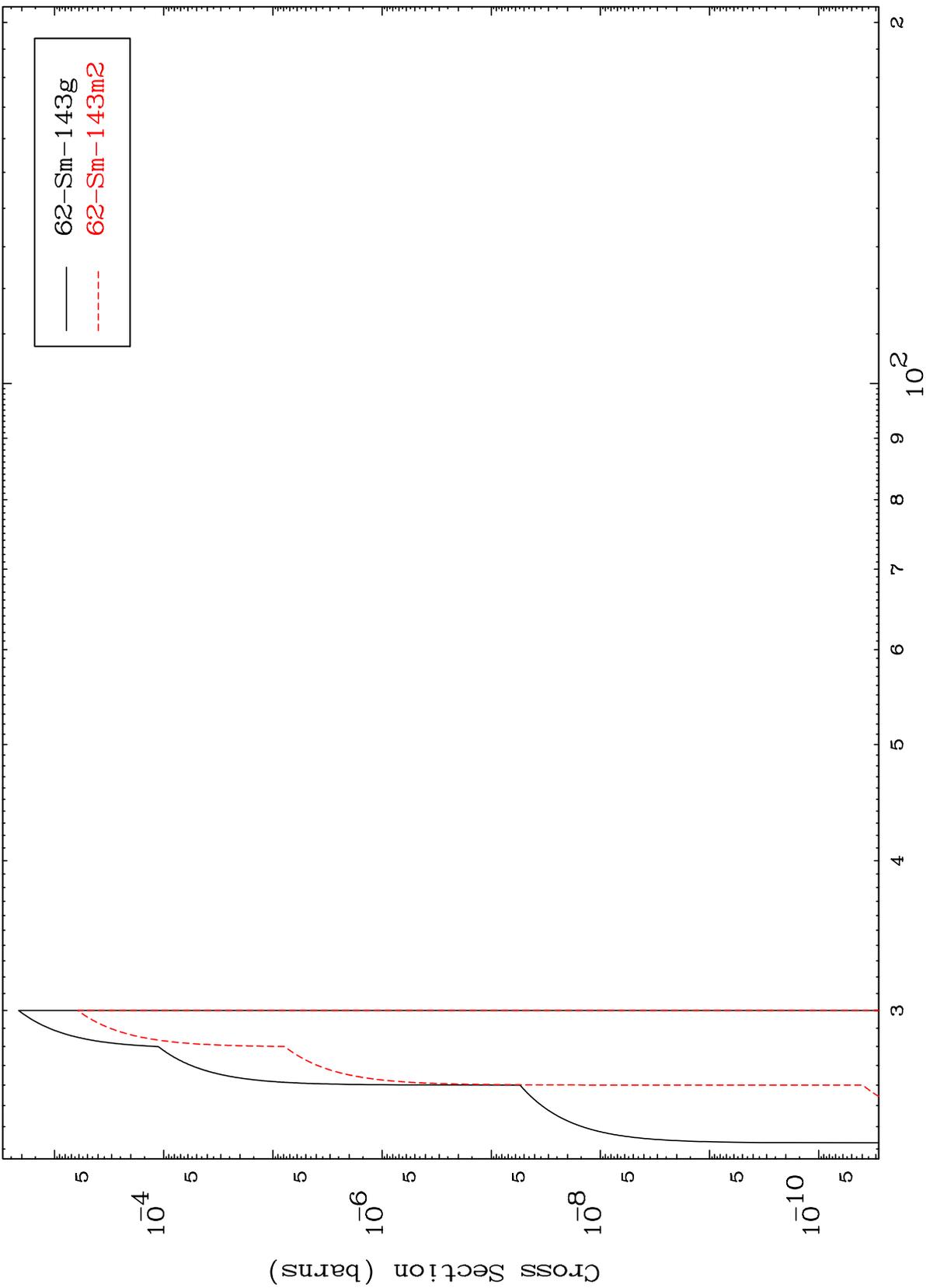


12

Incident Energy (MeV)

61-Pm-142

Radionuclide Production Cross Section



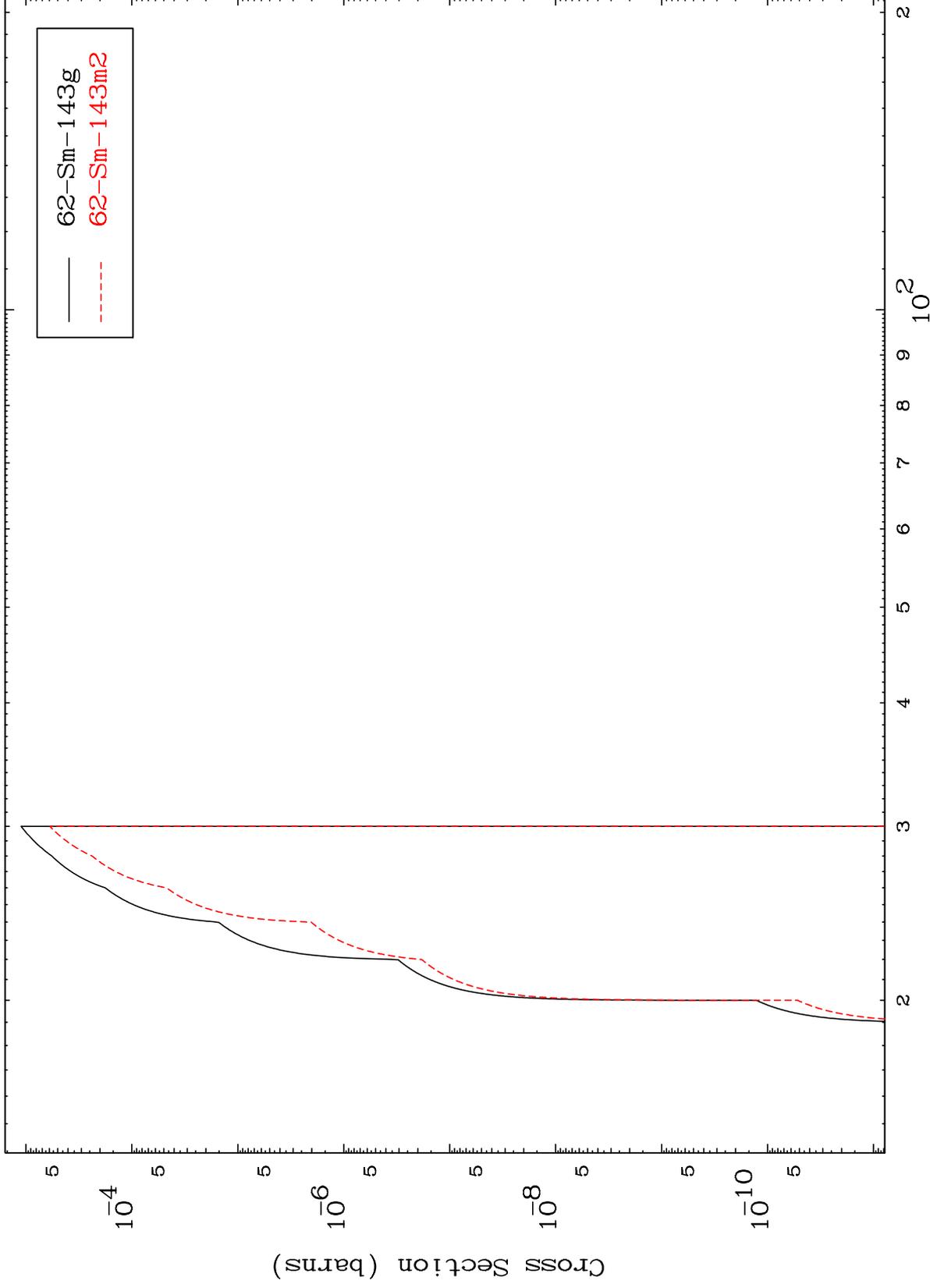
62-Sm-143g
62-Sm-143m2

MAT 6134

(n,t)

61-Pm-142

Radionuclide Production Cross Section



14

Incident Energy (MeV)

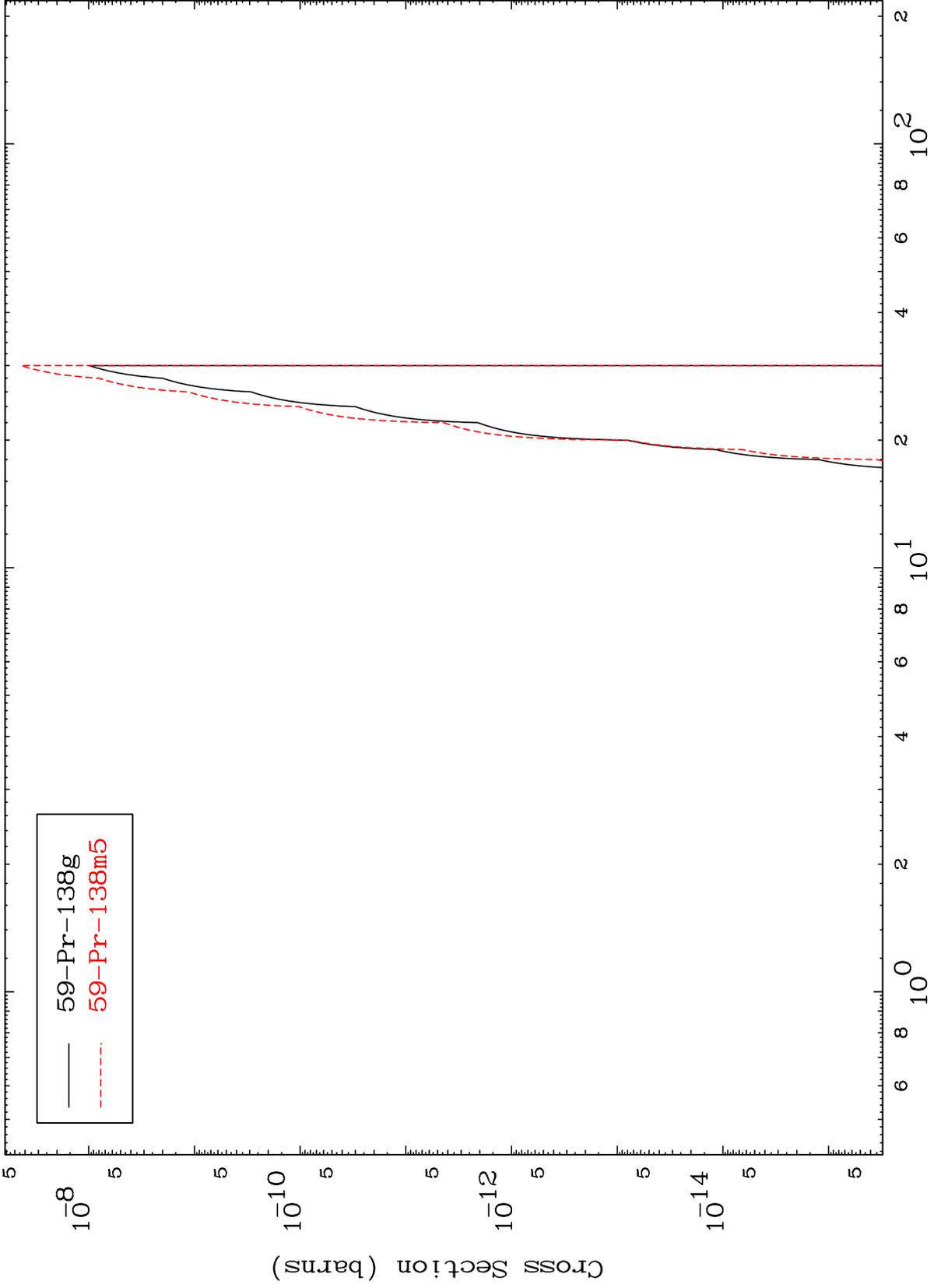
61-Pm-142

MAT 6134

(n,2α)

61-Pm-142

Radionuclide Production Cross Section



15

Incident Energy (MeV)

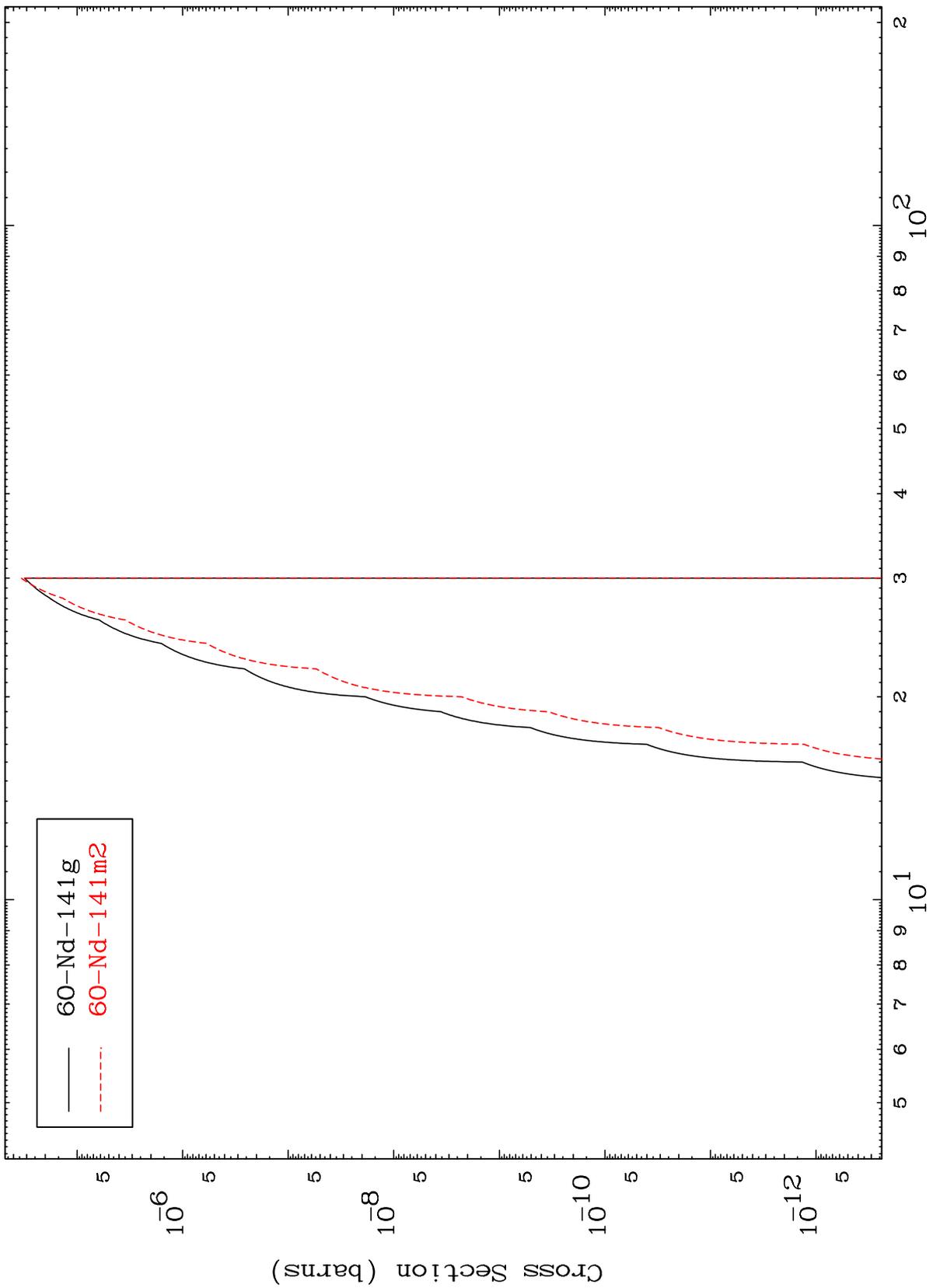
61-Pm-142

MAT 6134

(n,p) α

61-Pm-142

Radionuclide Production Cross Section



60-Nd-141g
60-Nd-141m2

16

Incident Energy (MeV)

61-Pm-142