

Program EVALPLOT
(Version 2021-1)

by

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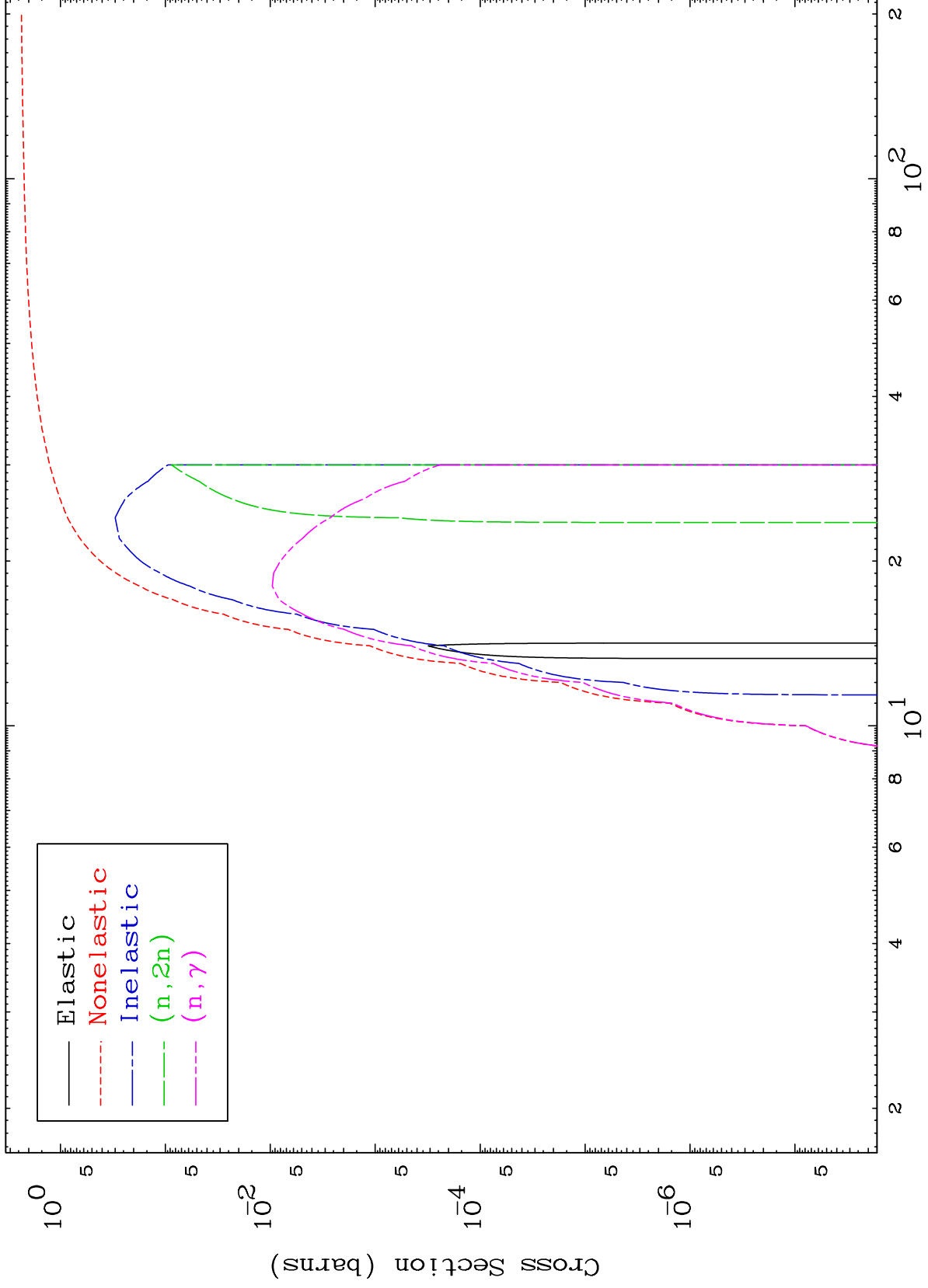
Press Mouse Button to Start

MAT 6210

0 Kelvin Cross Sections

α Major

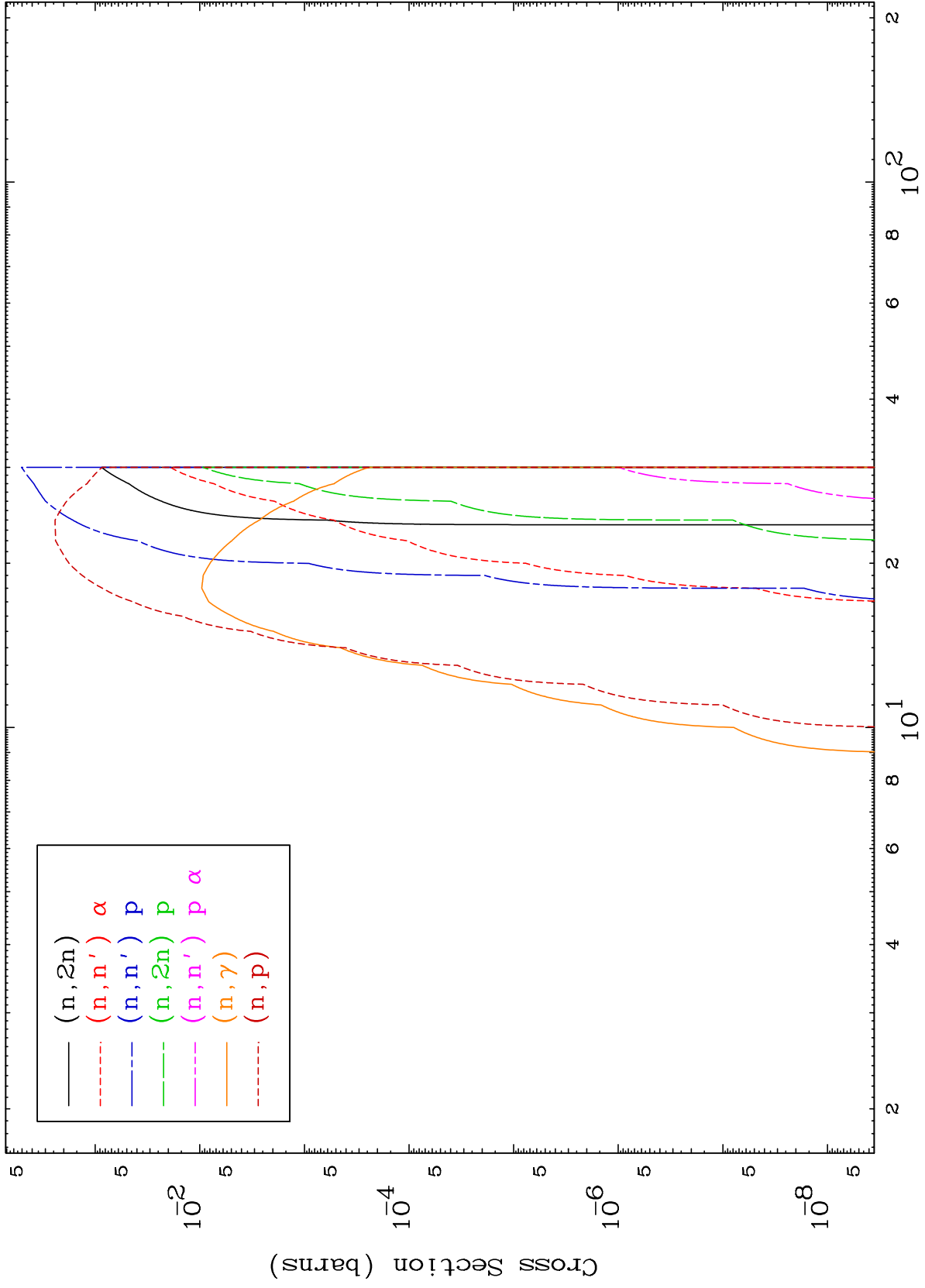
62-Sm-139



1

Incident Energy (MeV)

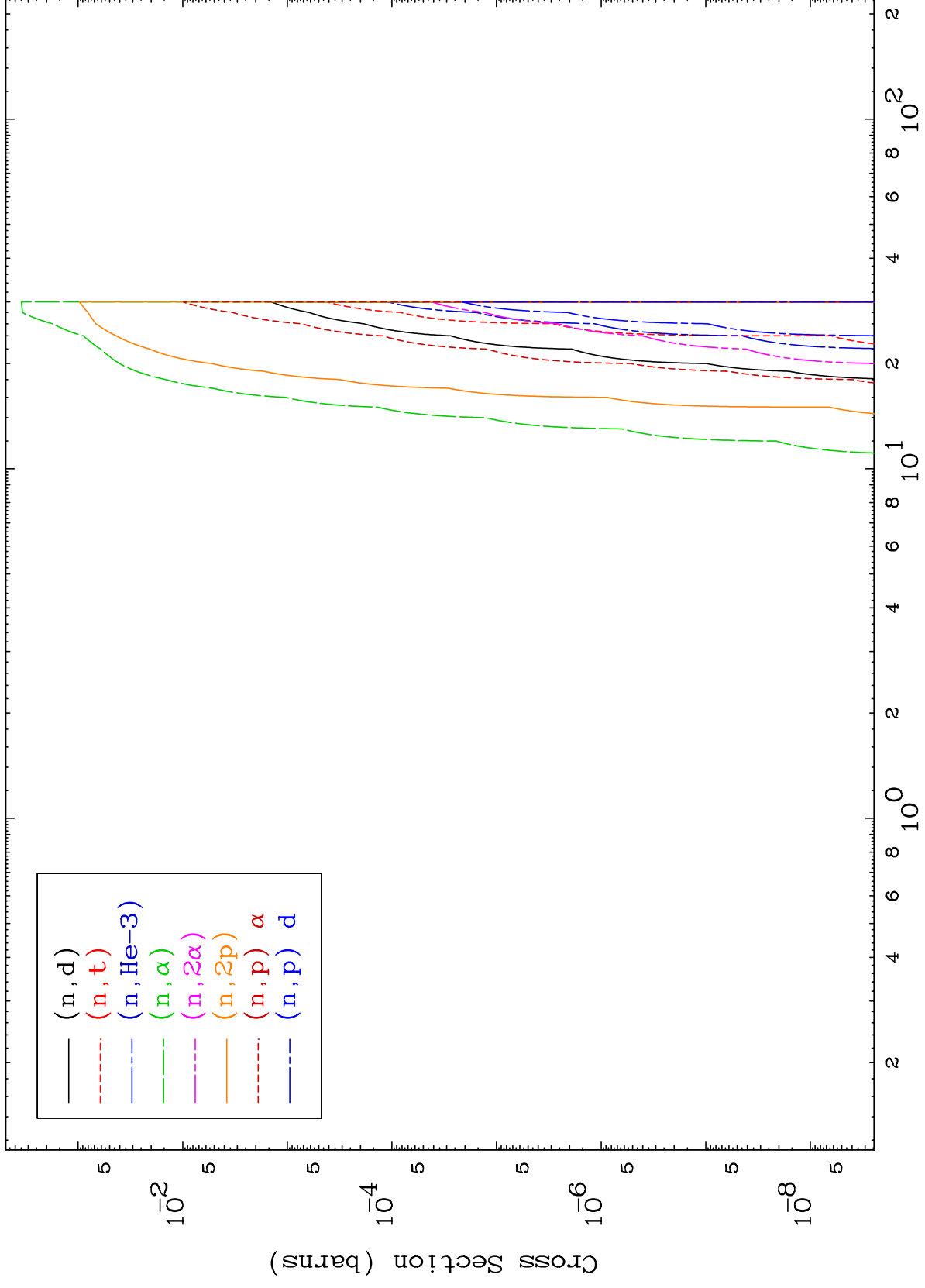
62-Sm-139



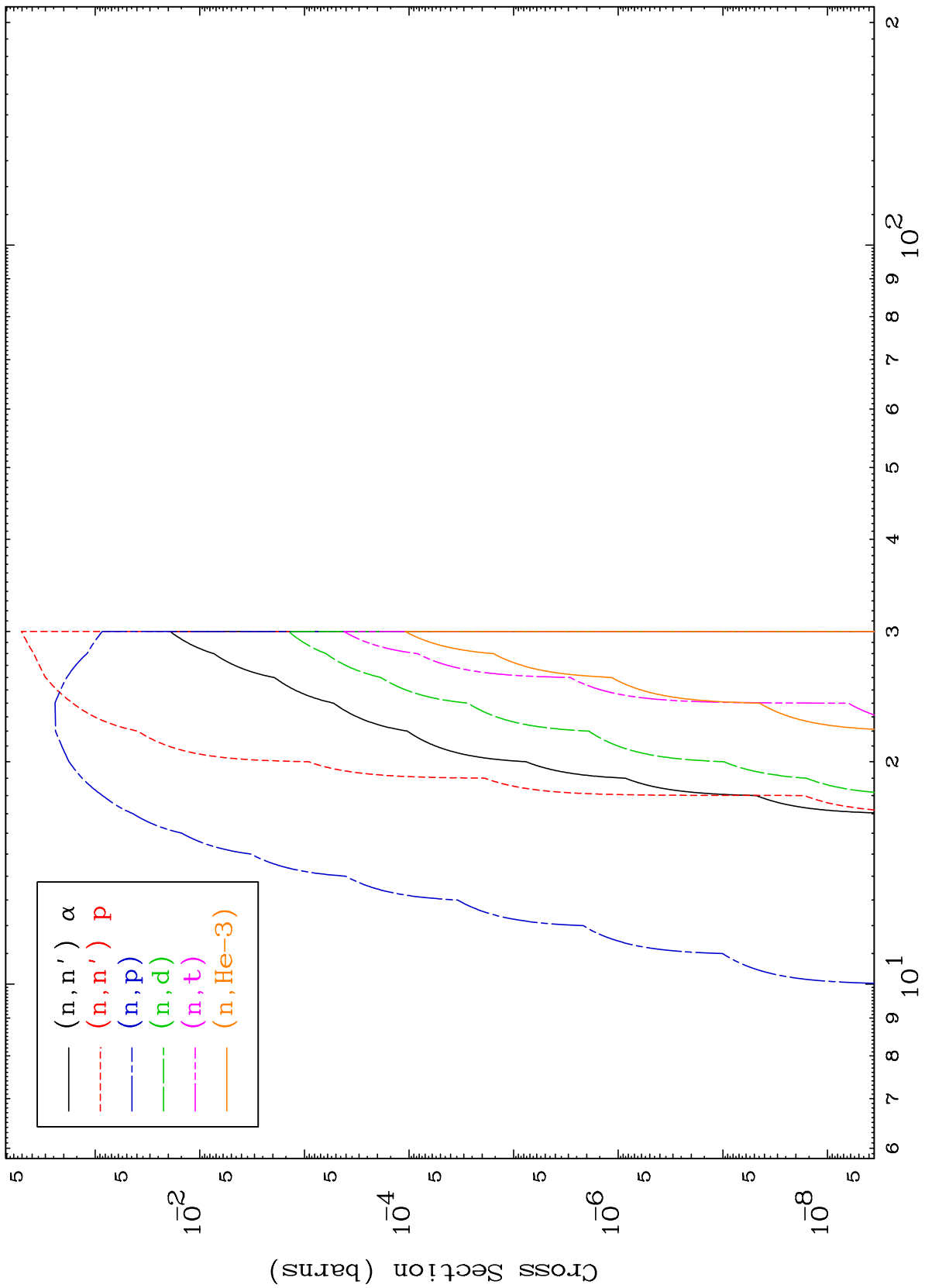
MAT 6210

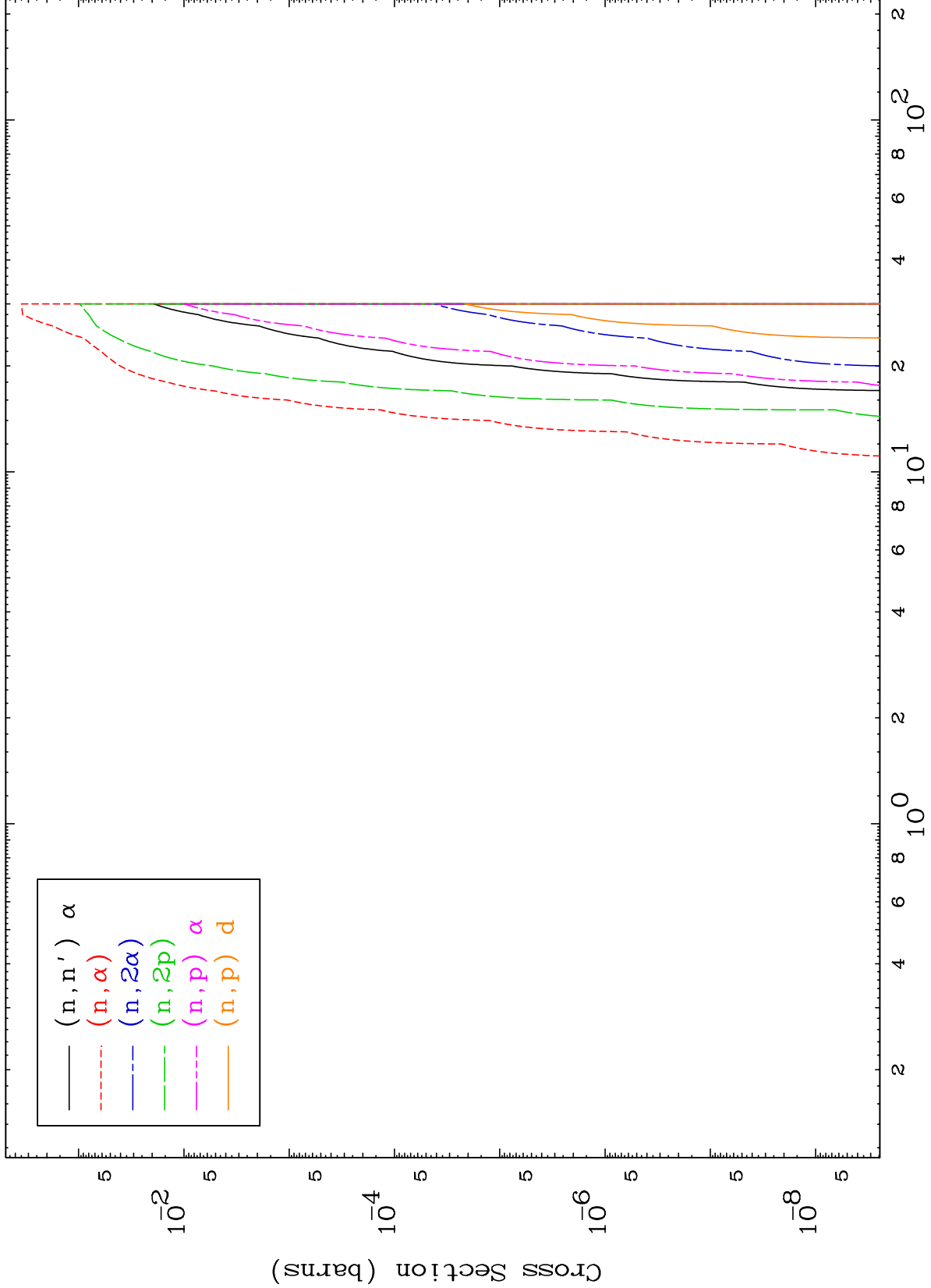
α Neutron Absorption
0 Kelvin Cross Sections

62-Sm-139



α Charged Particle
0 Kelvin Cross Sections

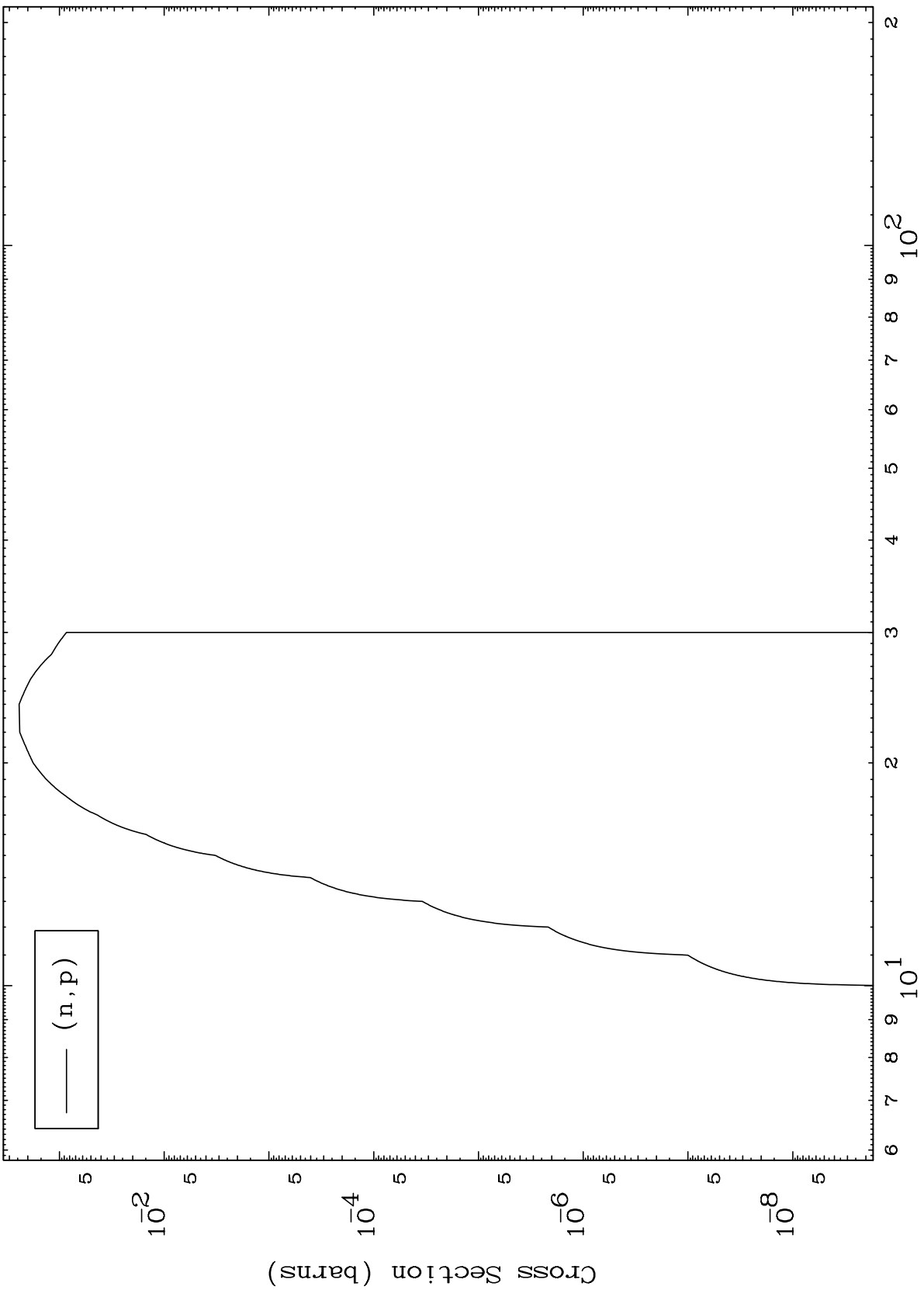




MAT 6210

62-Sm-139

(α, p) Levels
0 Kelvin Cross Sections



62-Sm-139

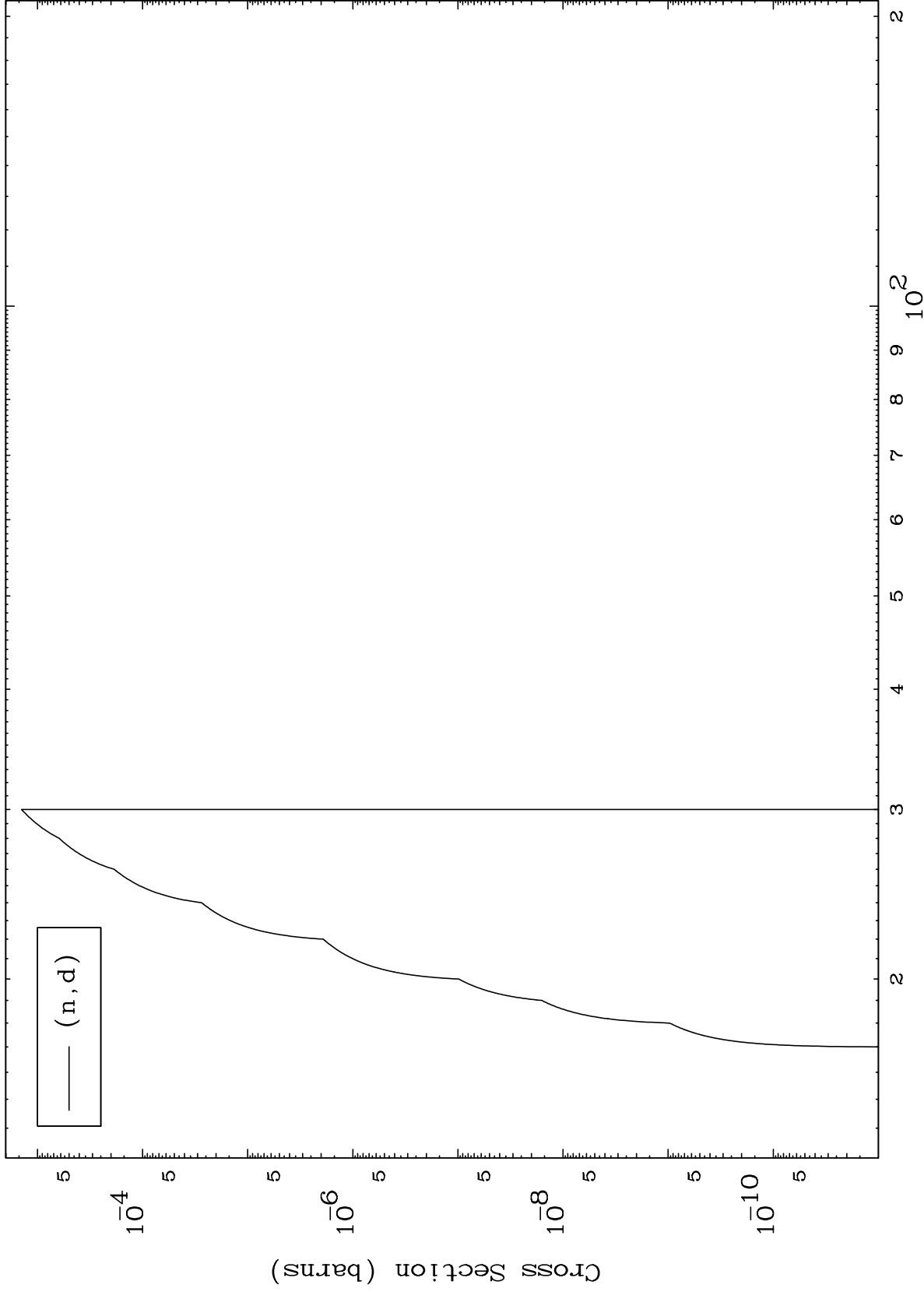
Incident Energy (MeV)

6

MAT 6210

62-Sm-139

(α, d) Levels
0 Kelvin Cross Sections



7

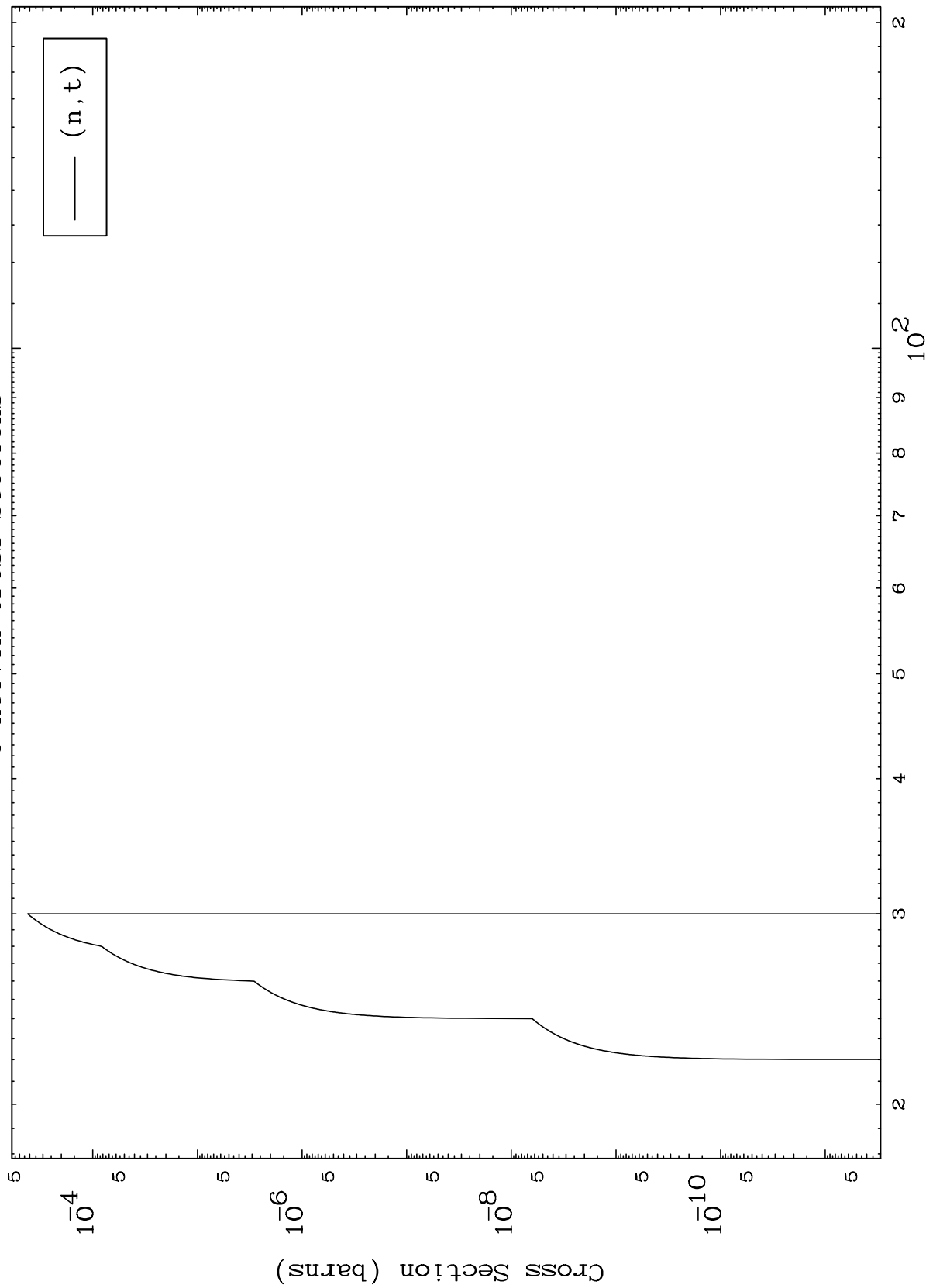
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

(α, t) Levels
0 Kelvin Cross Sections



62-Sm-139

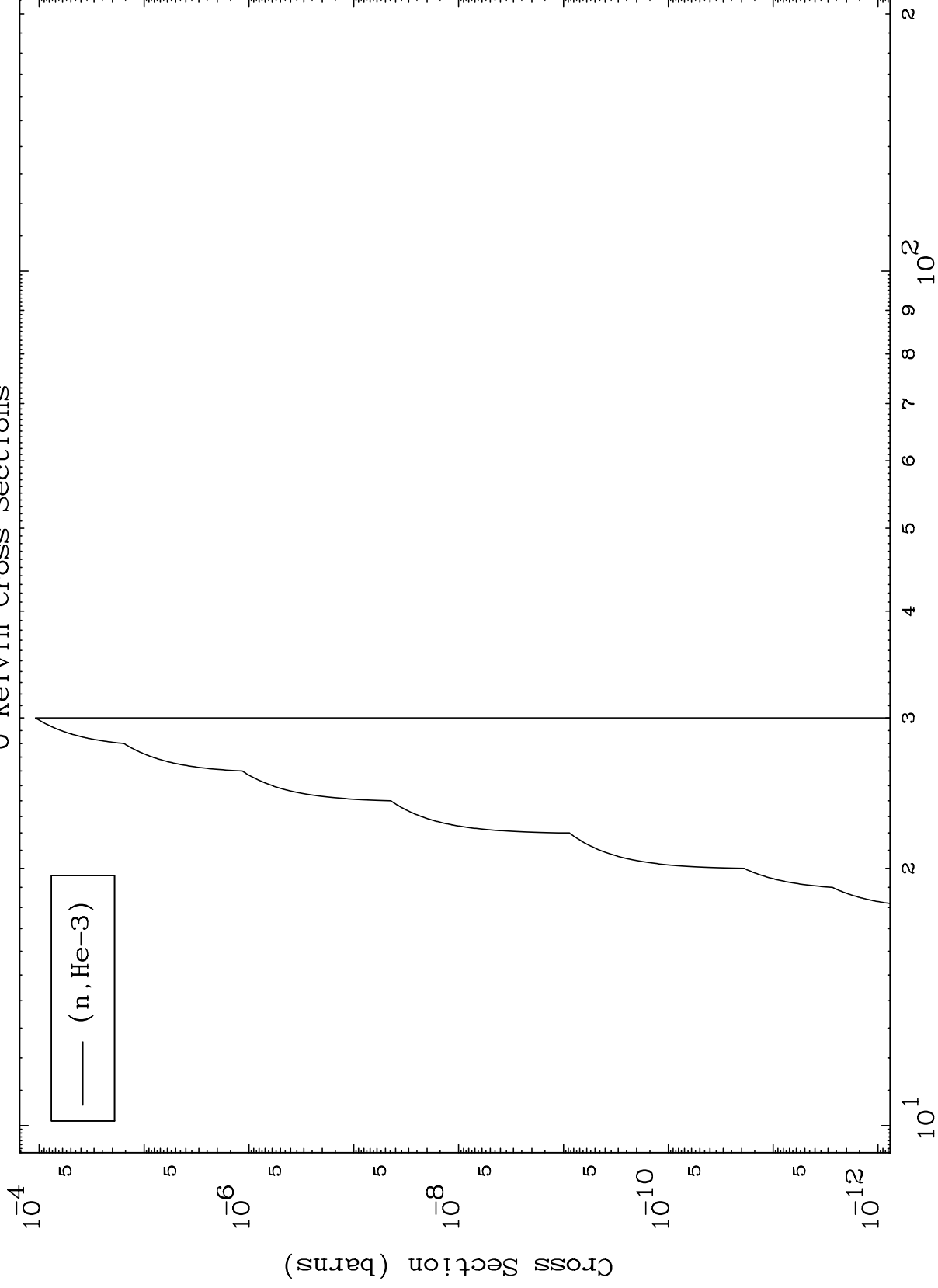
Incident Energy (MeV)

8

MAT 6210

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

62-Sm-139



Incident Energy (MeV)

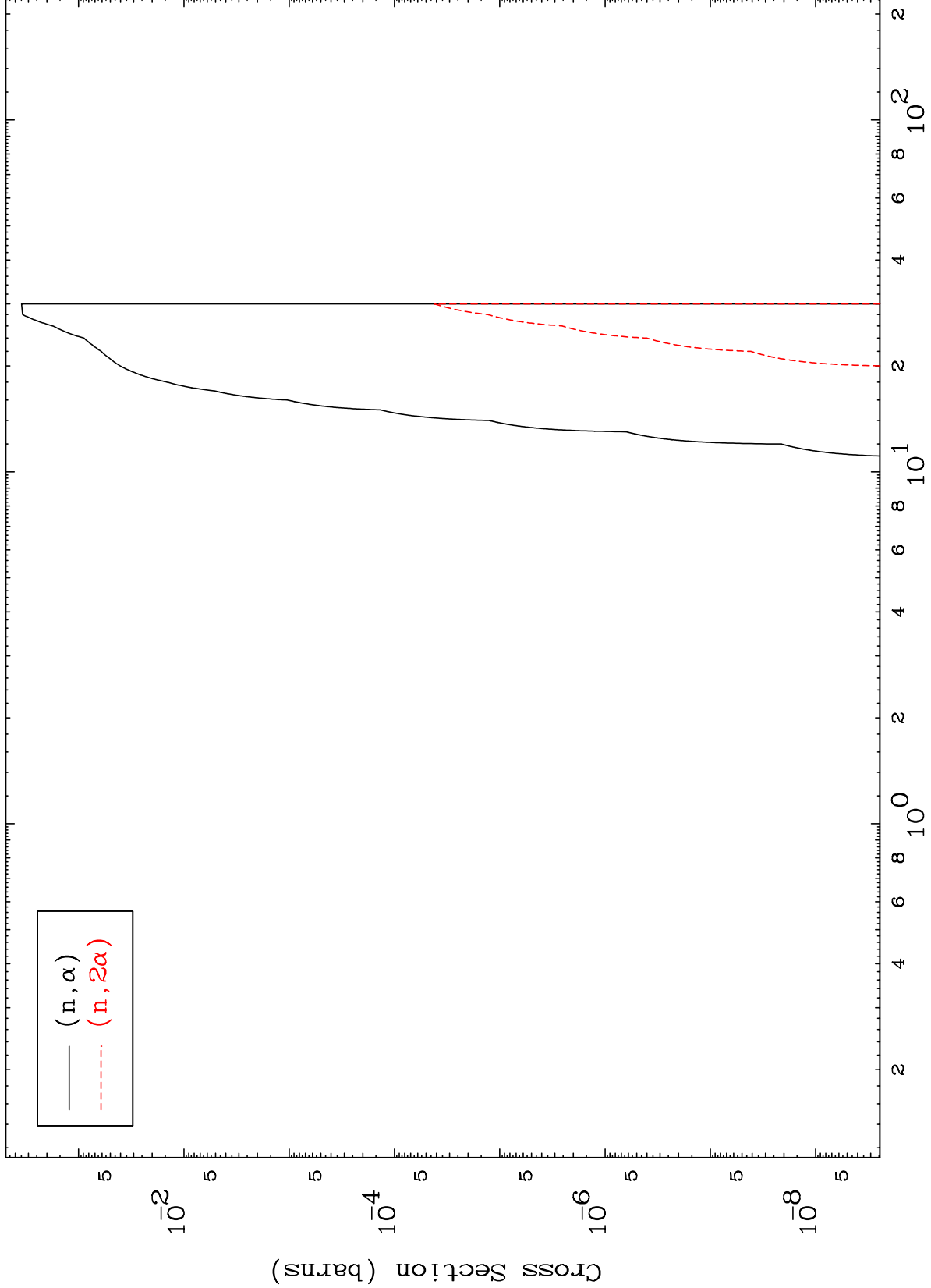
62-Sm-139

MAT 6210

(α, α) Levels

62-Sm-139

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

Incident Energy (MeV)

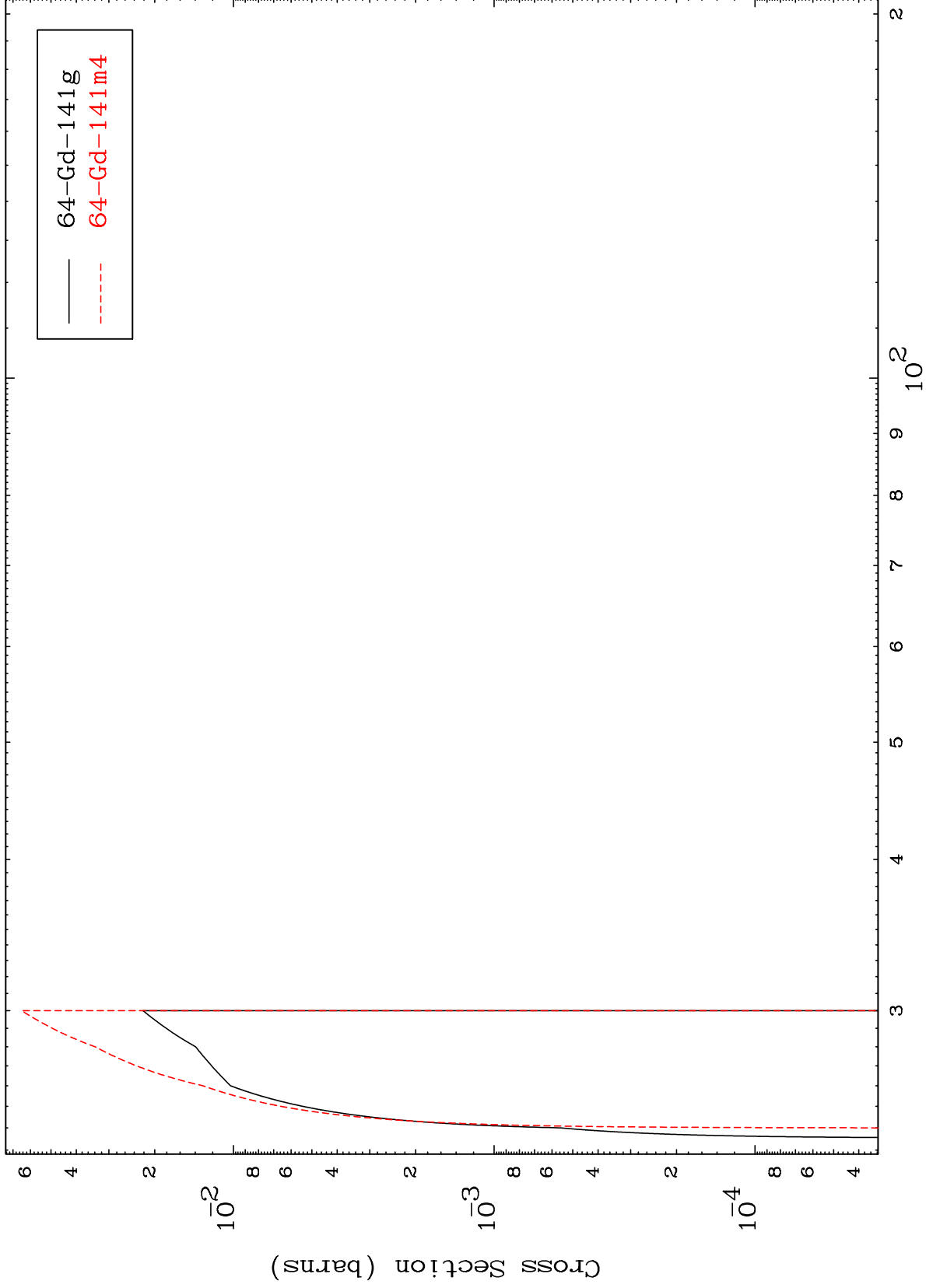
62-Sm-139

MAT 6210

(n,2n)

62-Sm-139

Radionuclide Production Cross Section



11

Incident Energy (MeV)

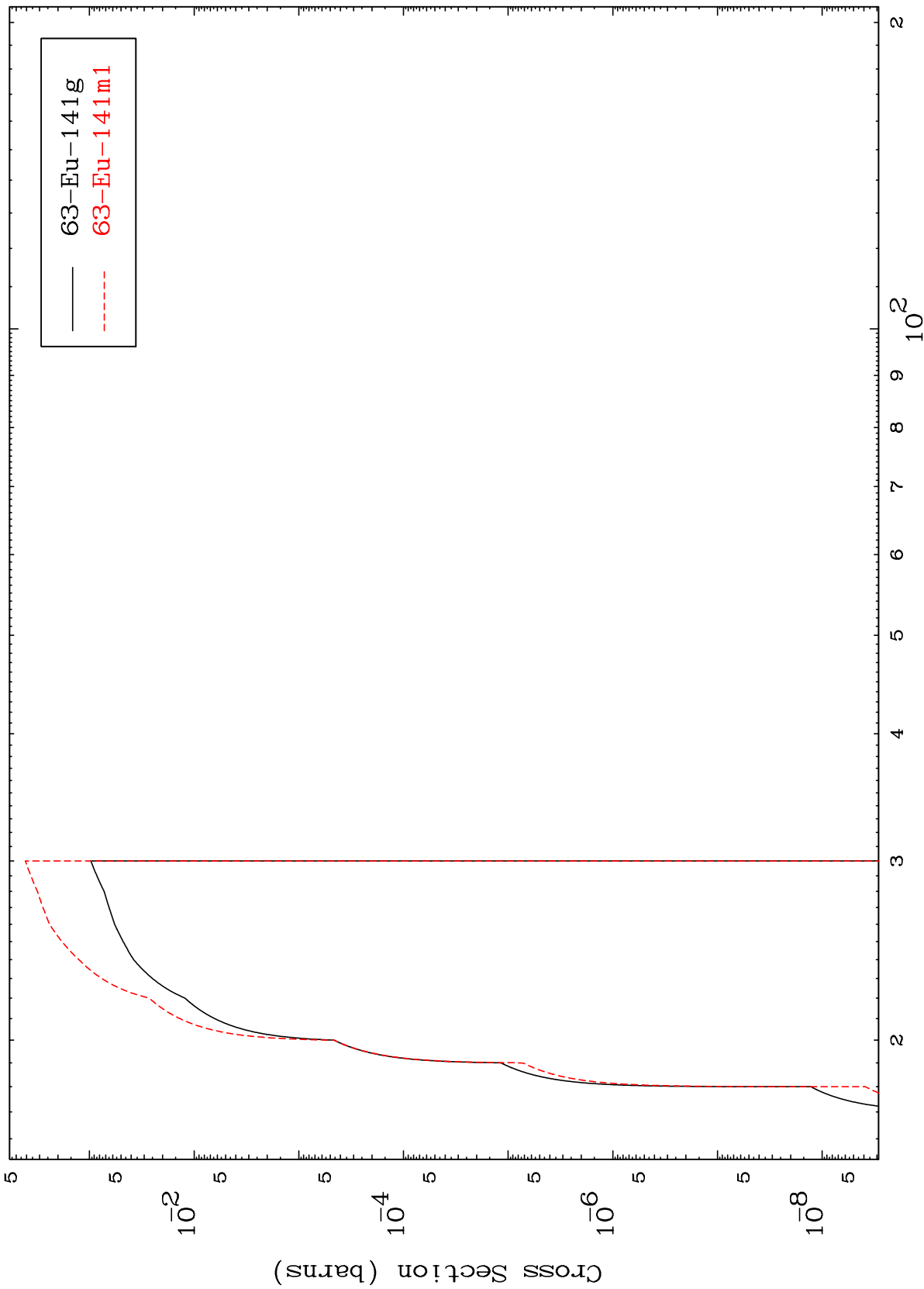
62-Sm-139

MAT 6210

(n, n') p

62-Sm-139

Radionuclide Production Cross Section



12

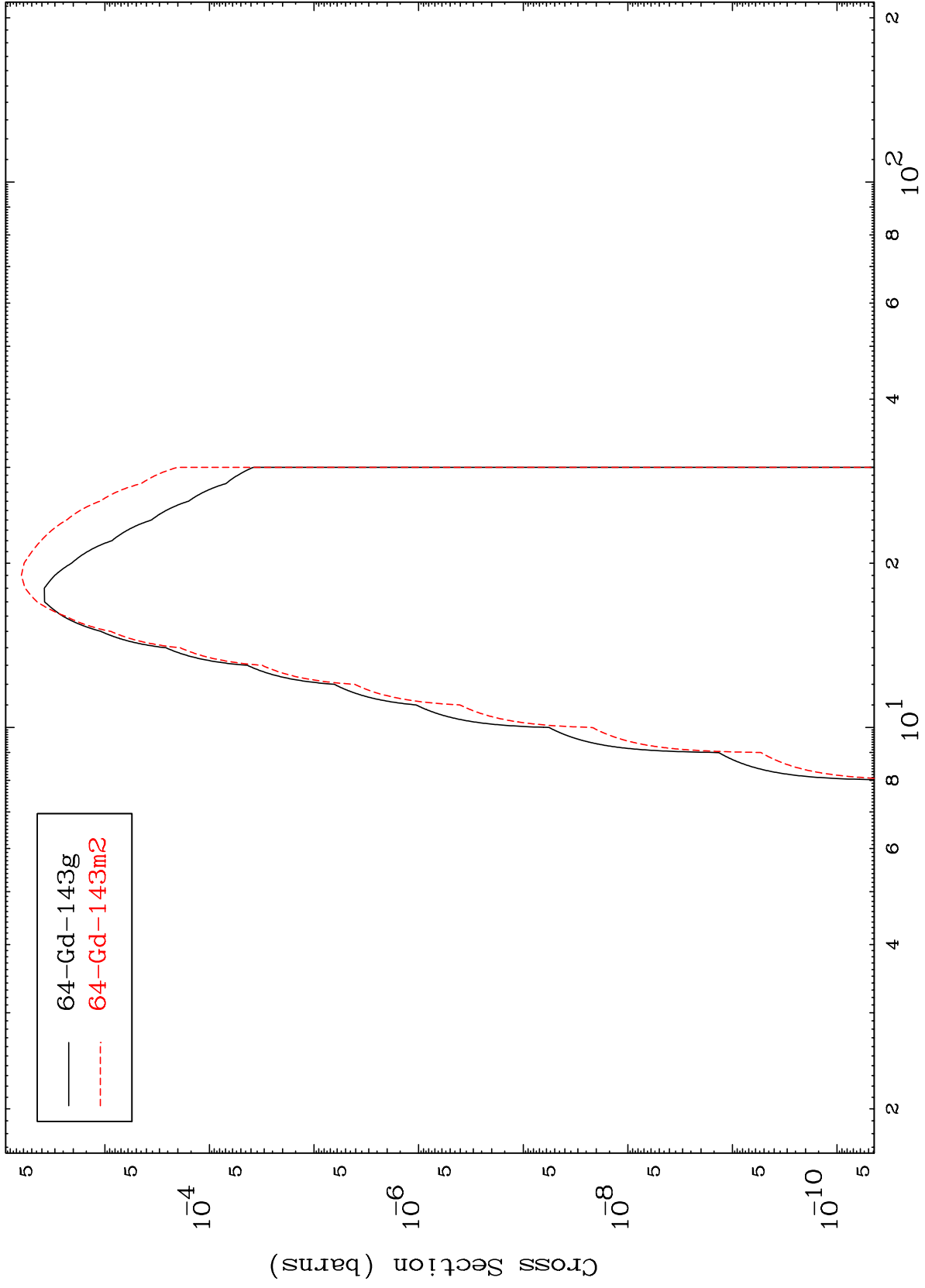
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

(n,γ)
Radionuclide Production Cross Section



13

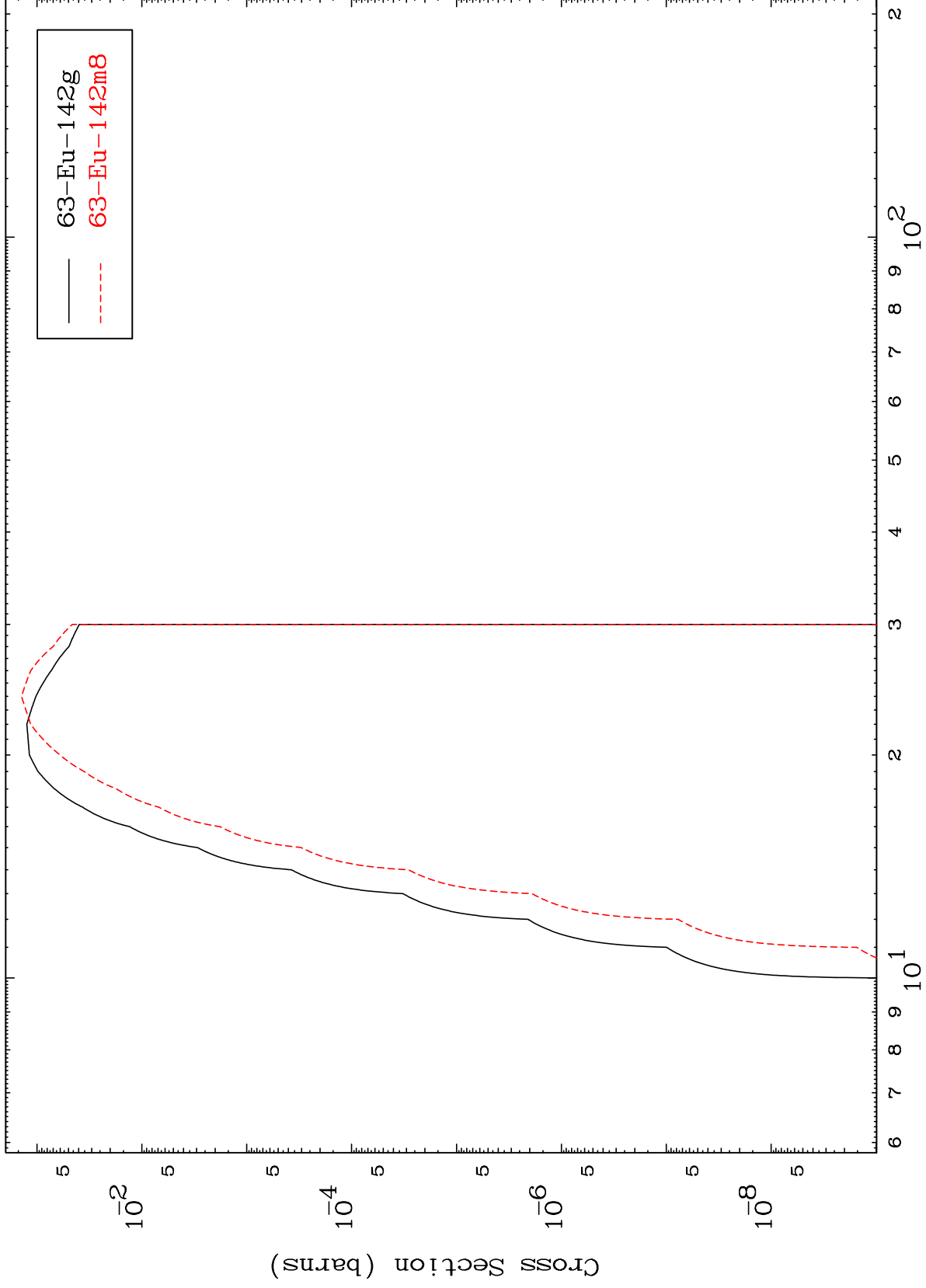
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

(n,p)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

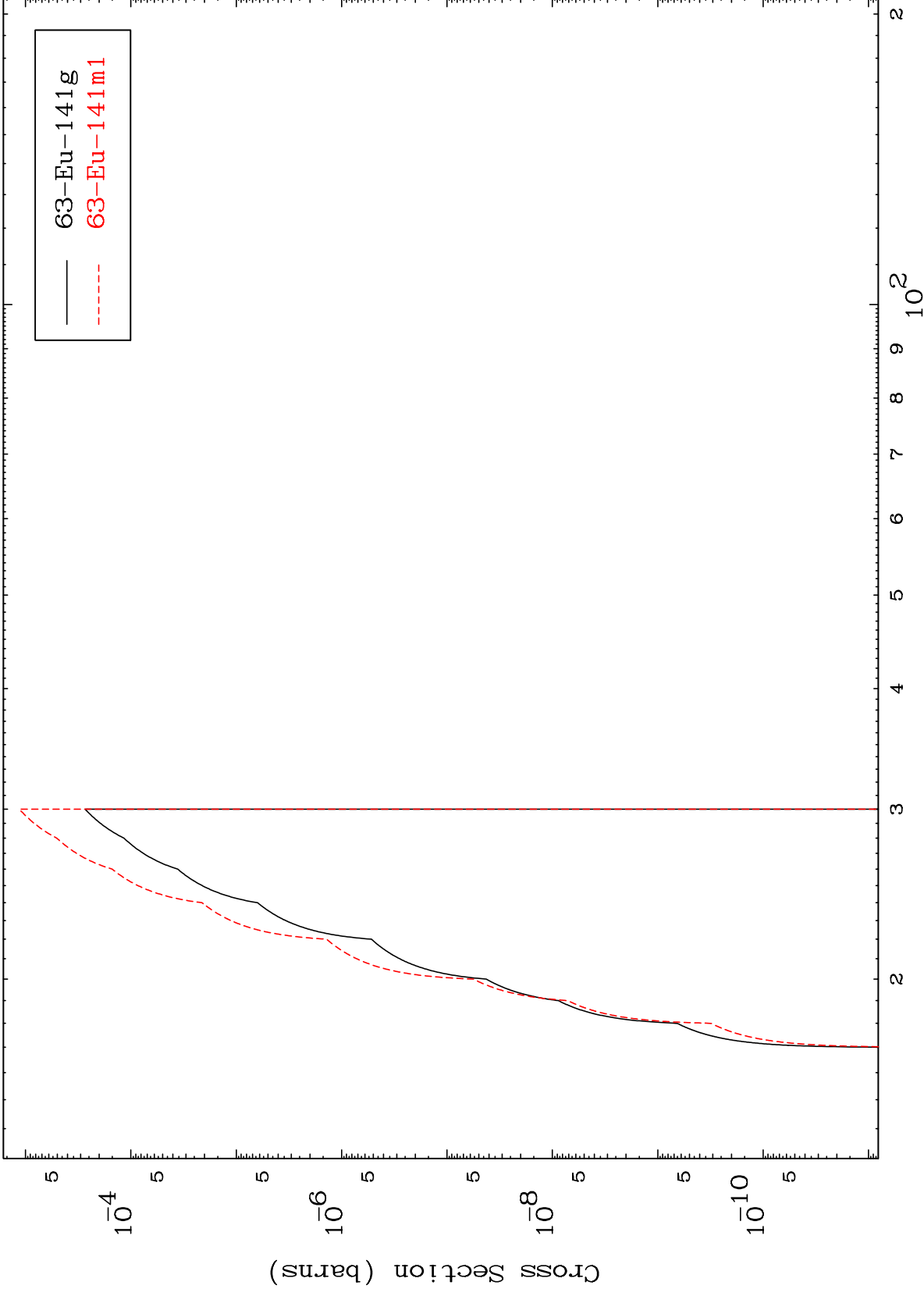
62-Sm-139

MAT 6210

(n,d)

62-Sm-139

Radionuclide Production Cross Section



63-Eu-141g
63-Eu-141m1

15

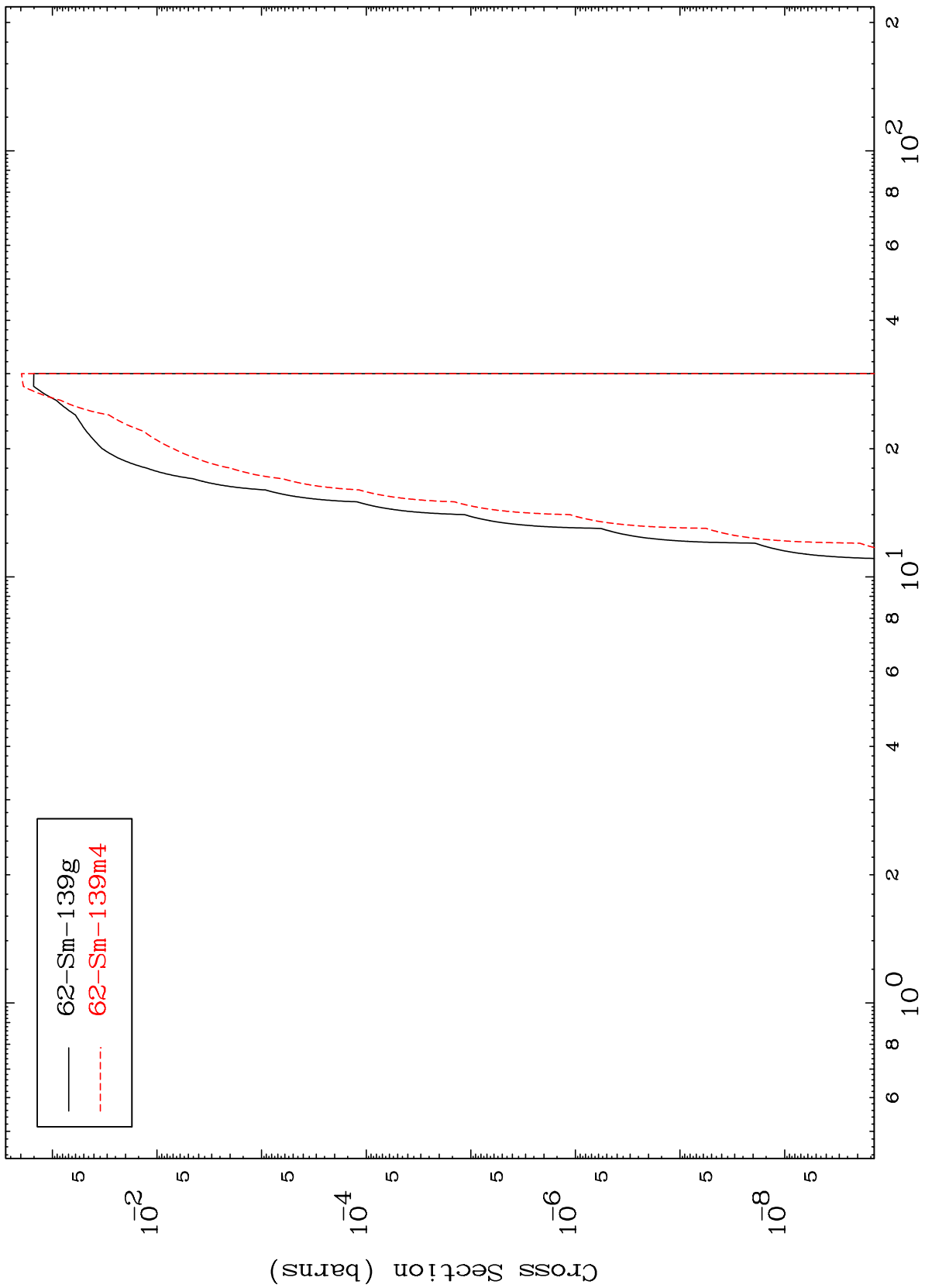
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

(n, α)
Radionuclide Production Cross Section



16

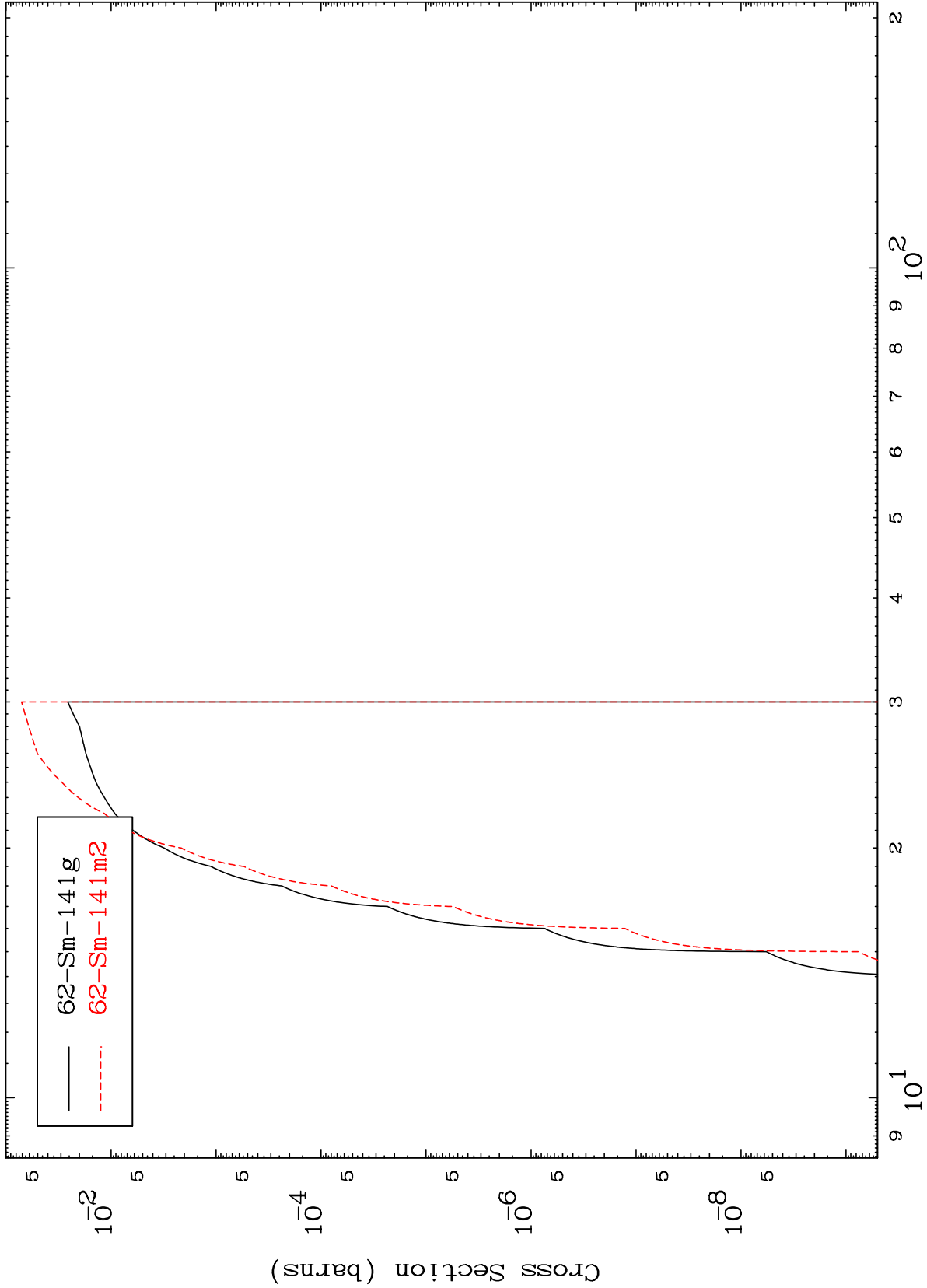
62-Sm-139

Incident Energy (MeV)

MAT 6210

62-Sm-139

(n,2p)
Radionuclide Production Cross Section



62-Sm-139

Incident Energy (MeV)

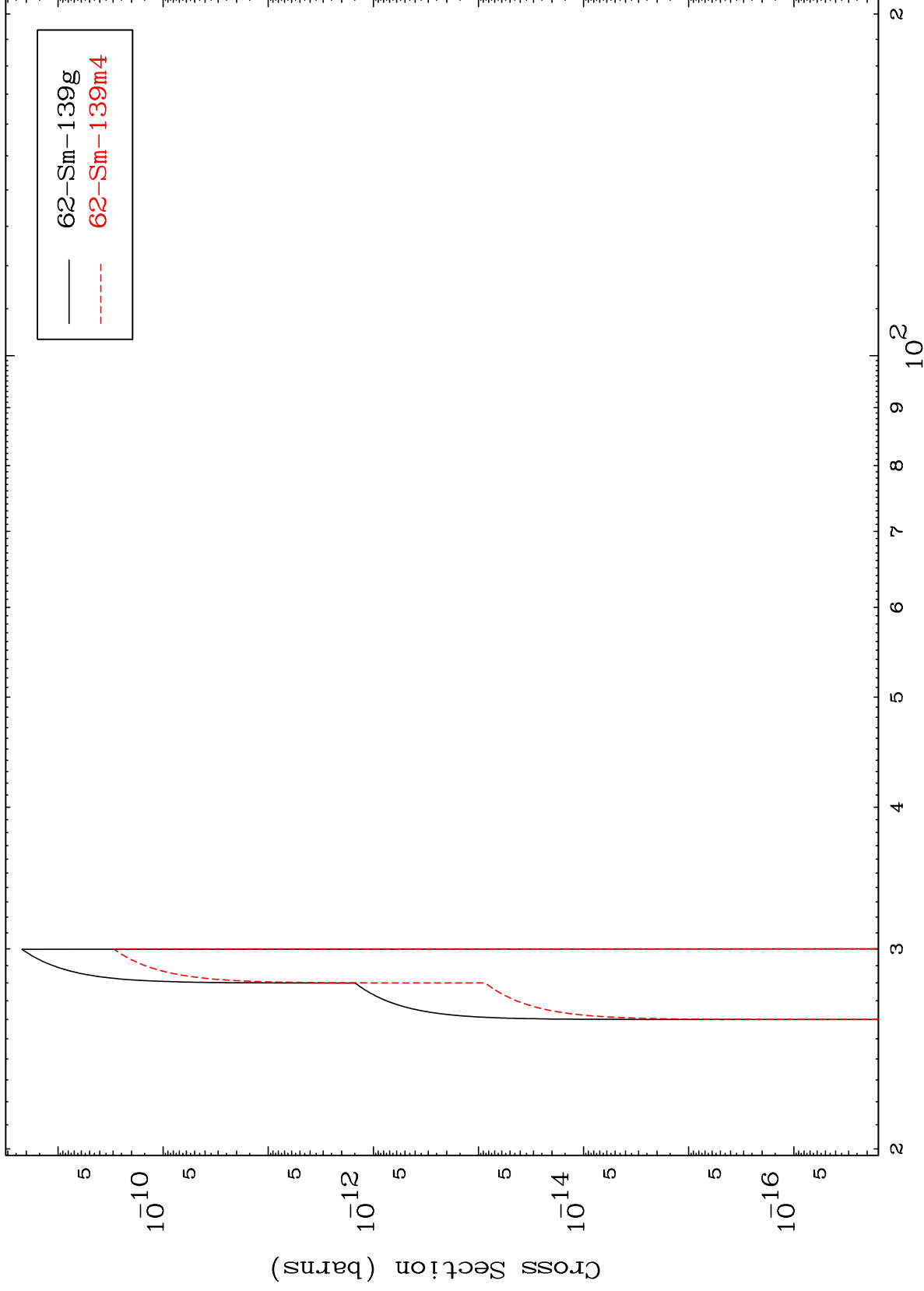
17

MAT 6210

(n,p) t

62-Sm-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

62-Sm-139