

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

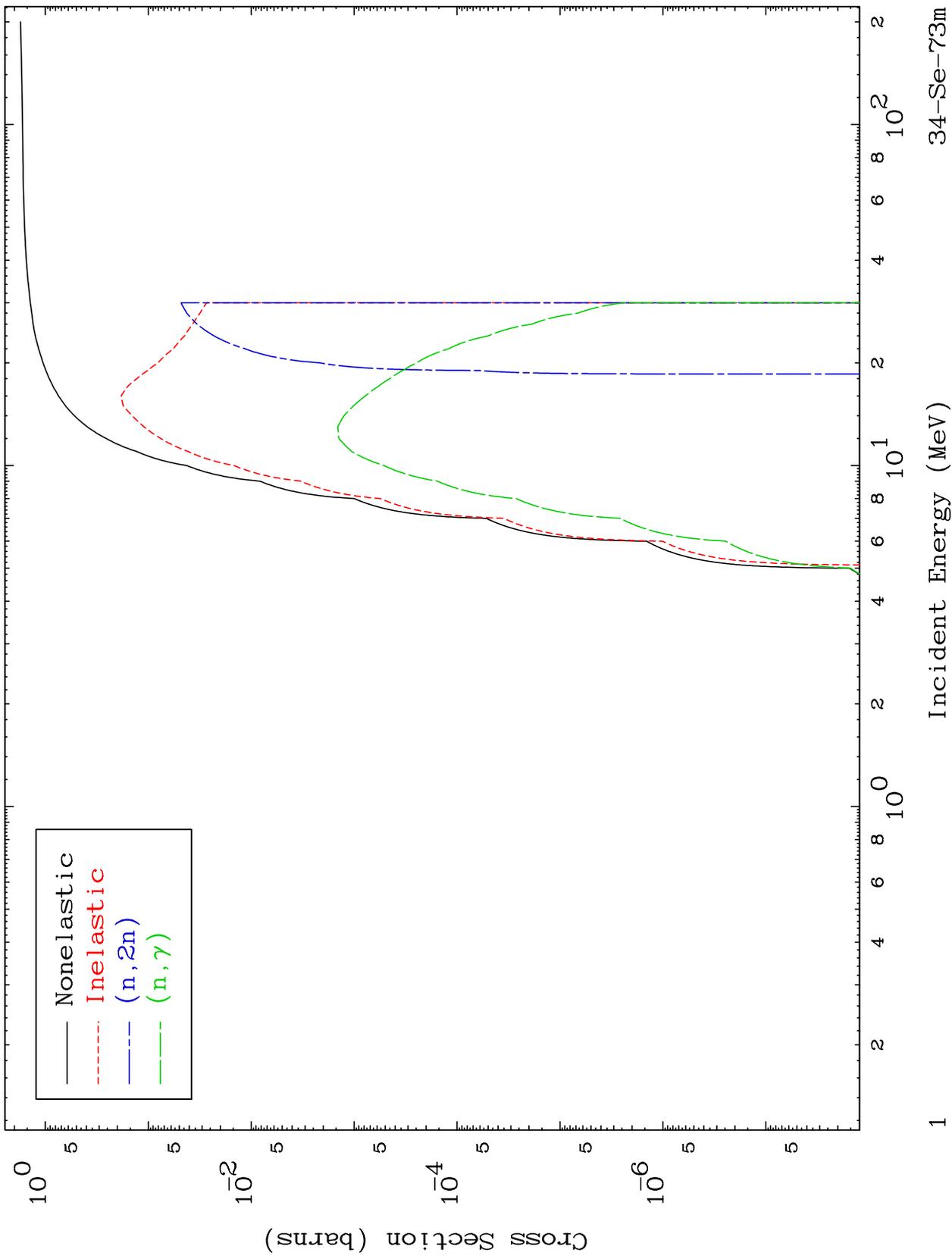
Press Mouse Button to Start

MAT 3423

0 Kelvin

α Major

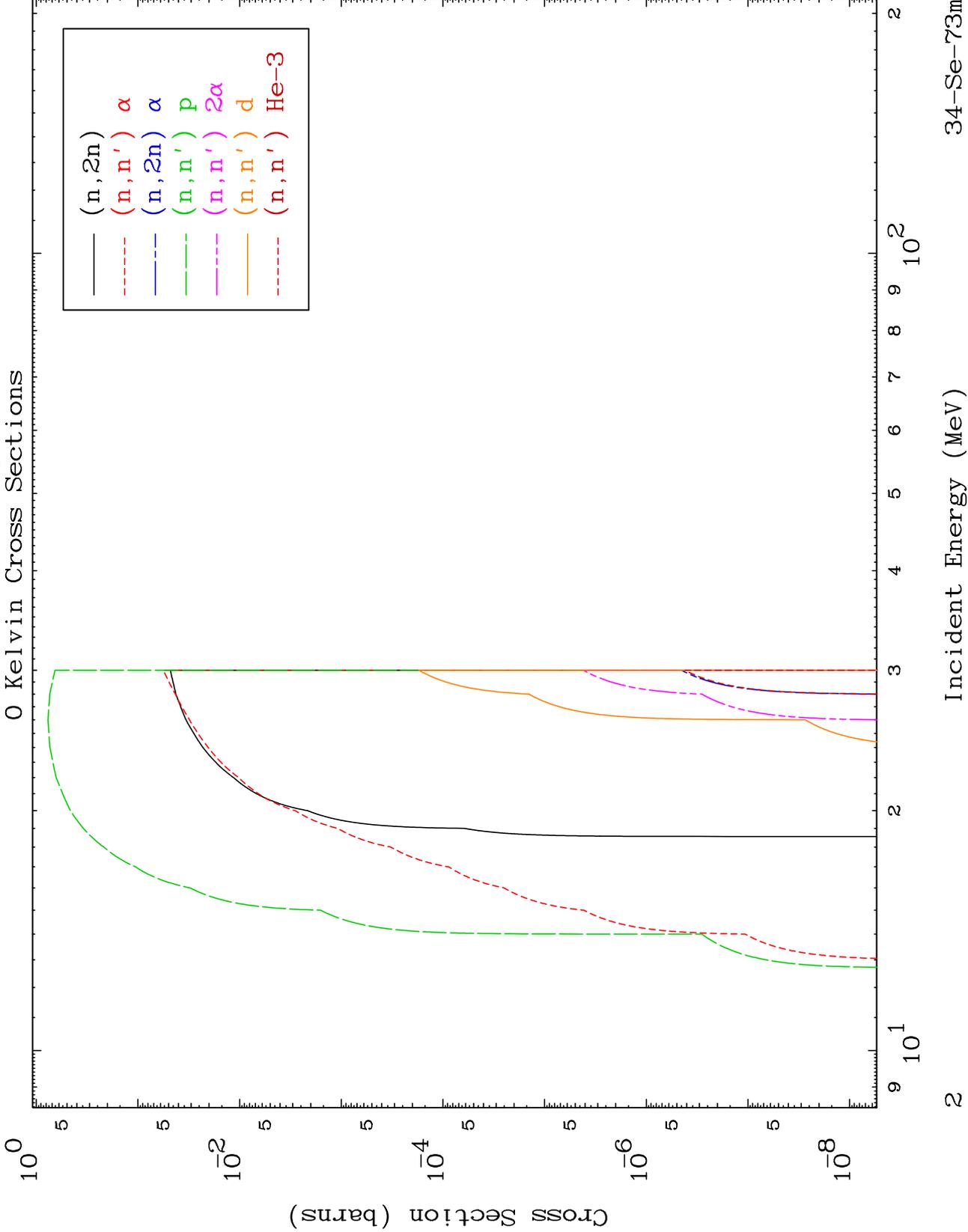
34-Se-73m



MAT 3423

α Neutron Absorption
0 Kelvin Cross Sections

$^{34}\text{Se-73m}$



$^{34}\text{Se-73m}$

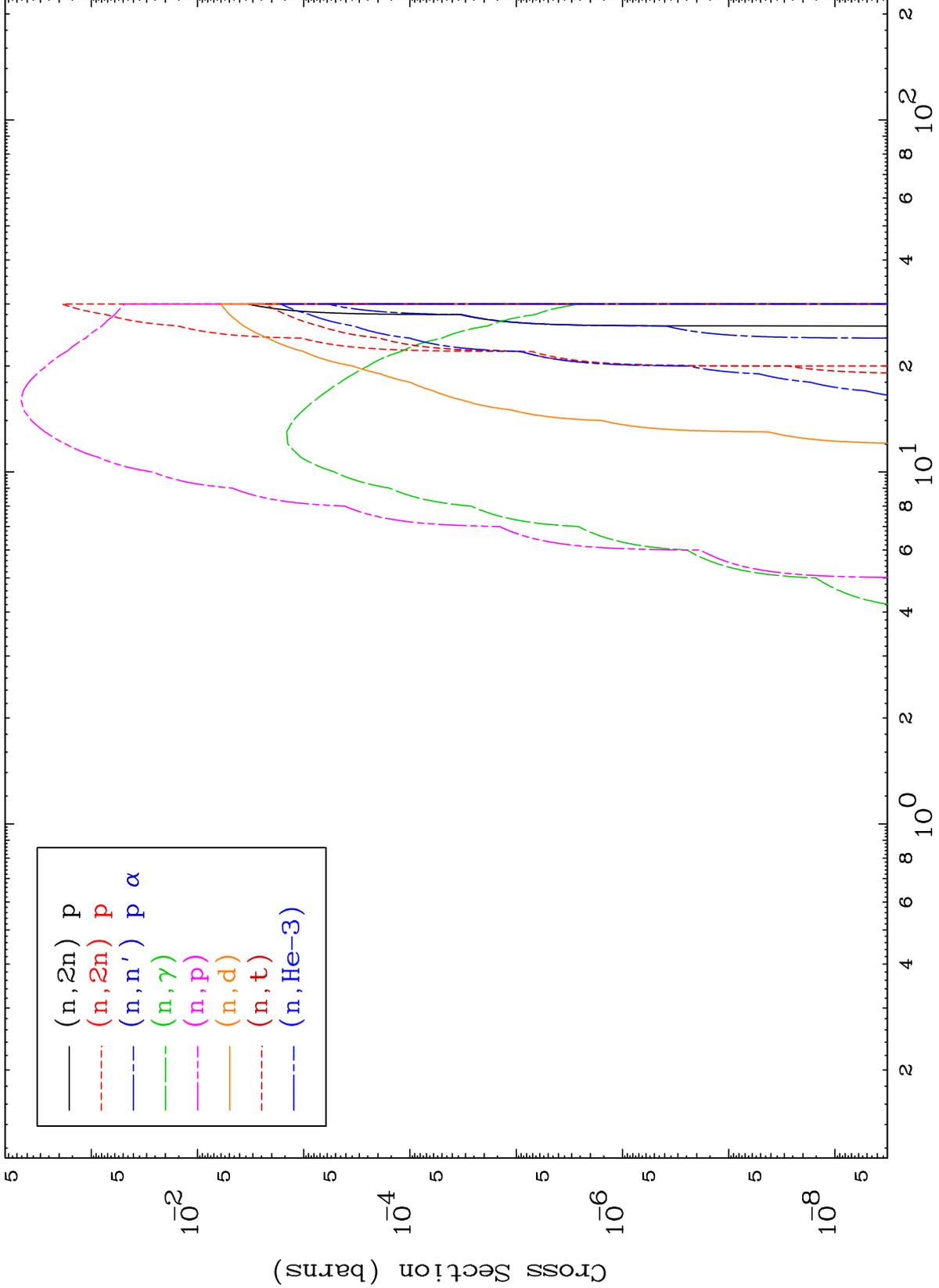
Incident Energy (MeV)

2

MAT 3423

α Neutron Absorption
0 Kelvin Cross Sections

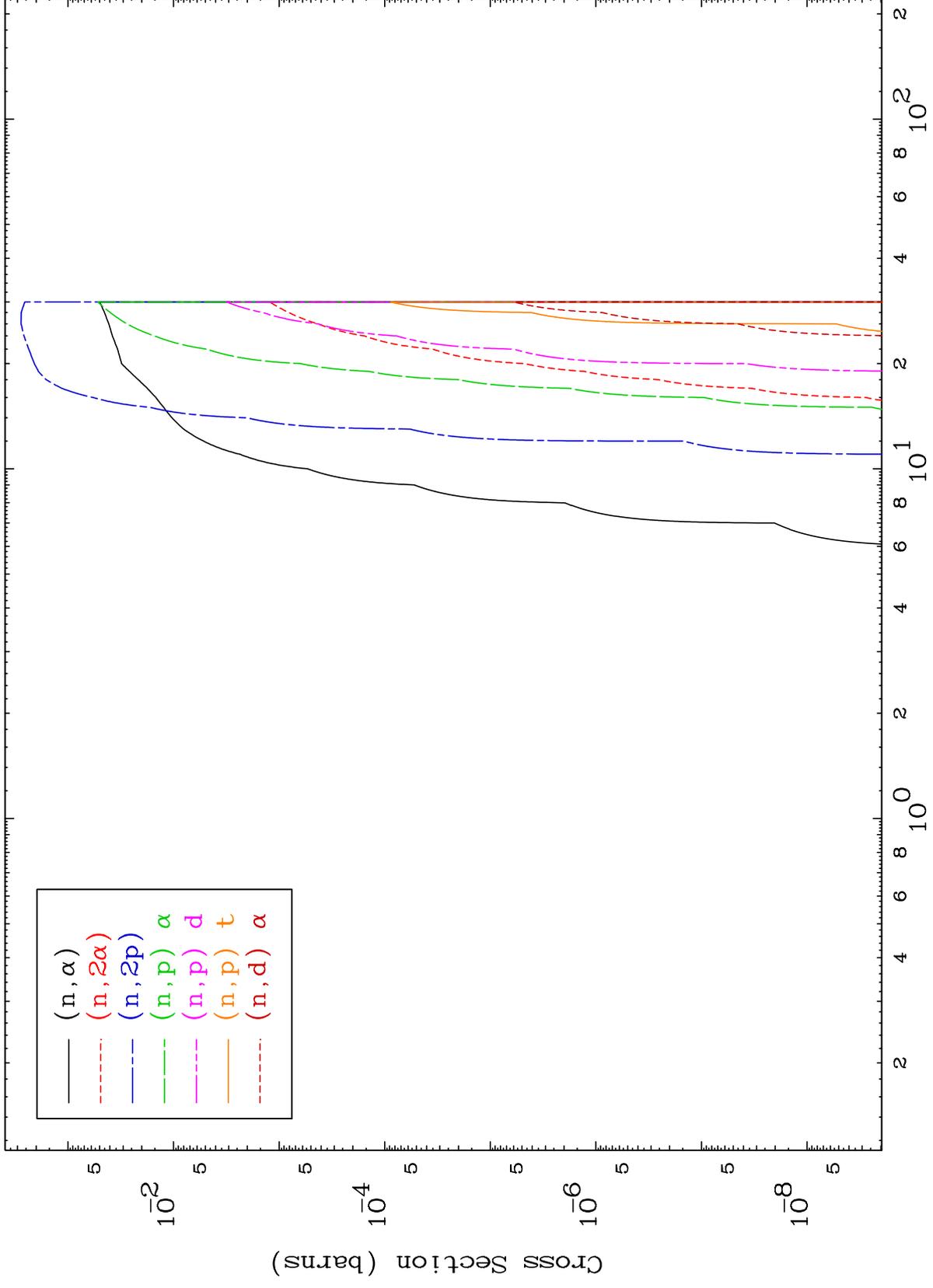
³⁴Se-73m



MAT 3423

α Neutron Absorption
0 Kelvin Cross Sections

³⁴Se-73m

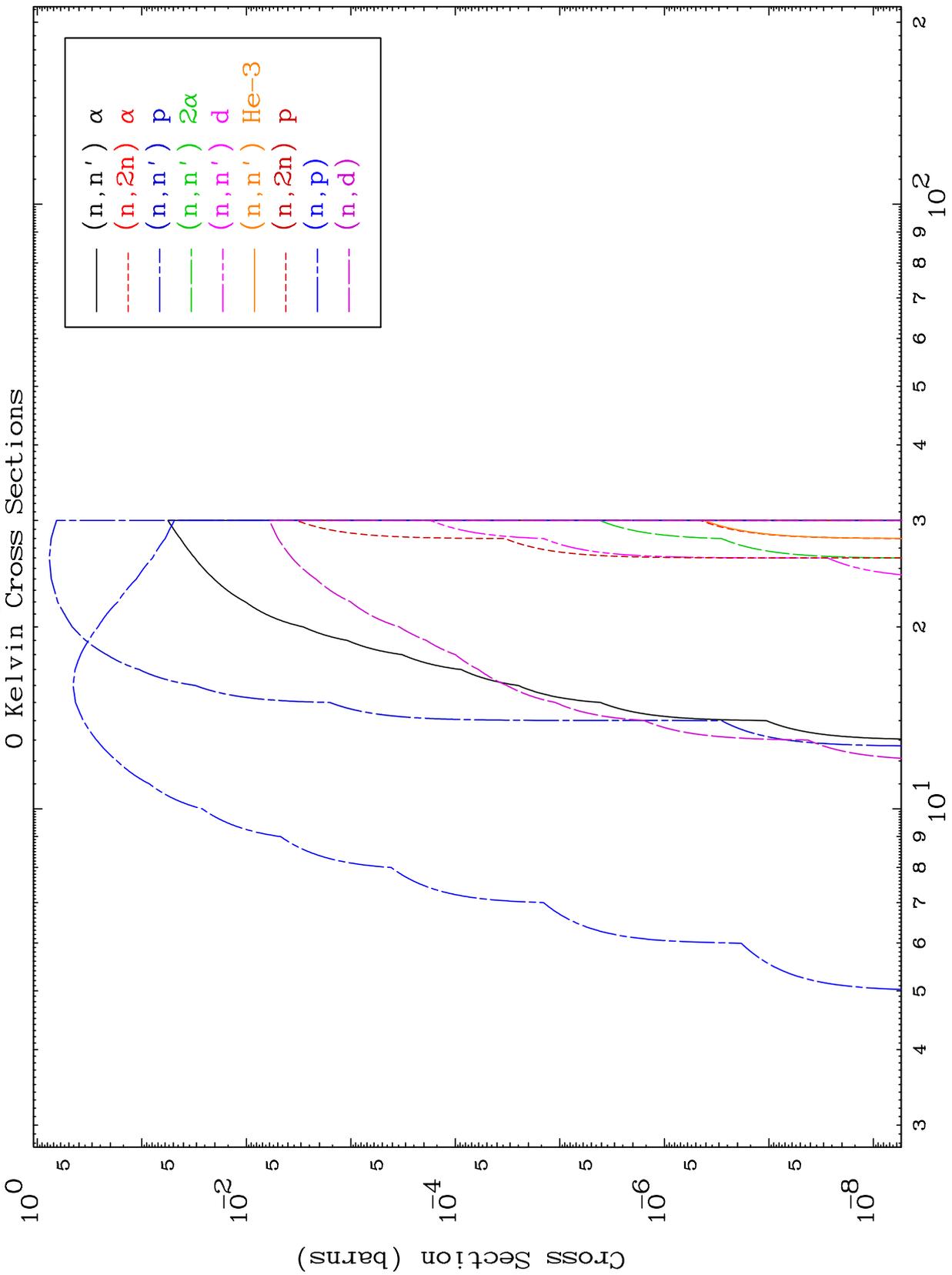


³⁴Se-73m

MAT 3423

α Charged Particle
0 Kelvin Cross Sections

34-Se-73m



5

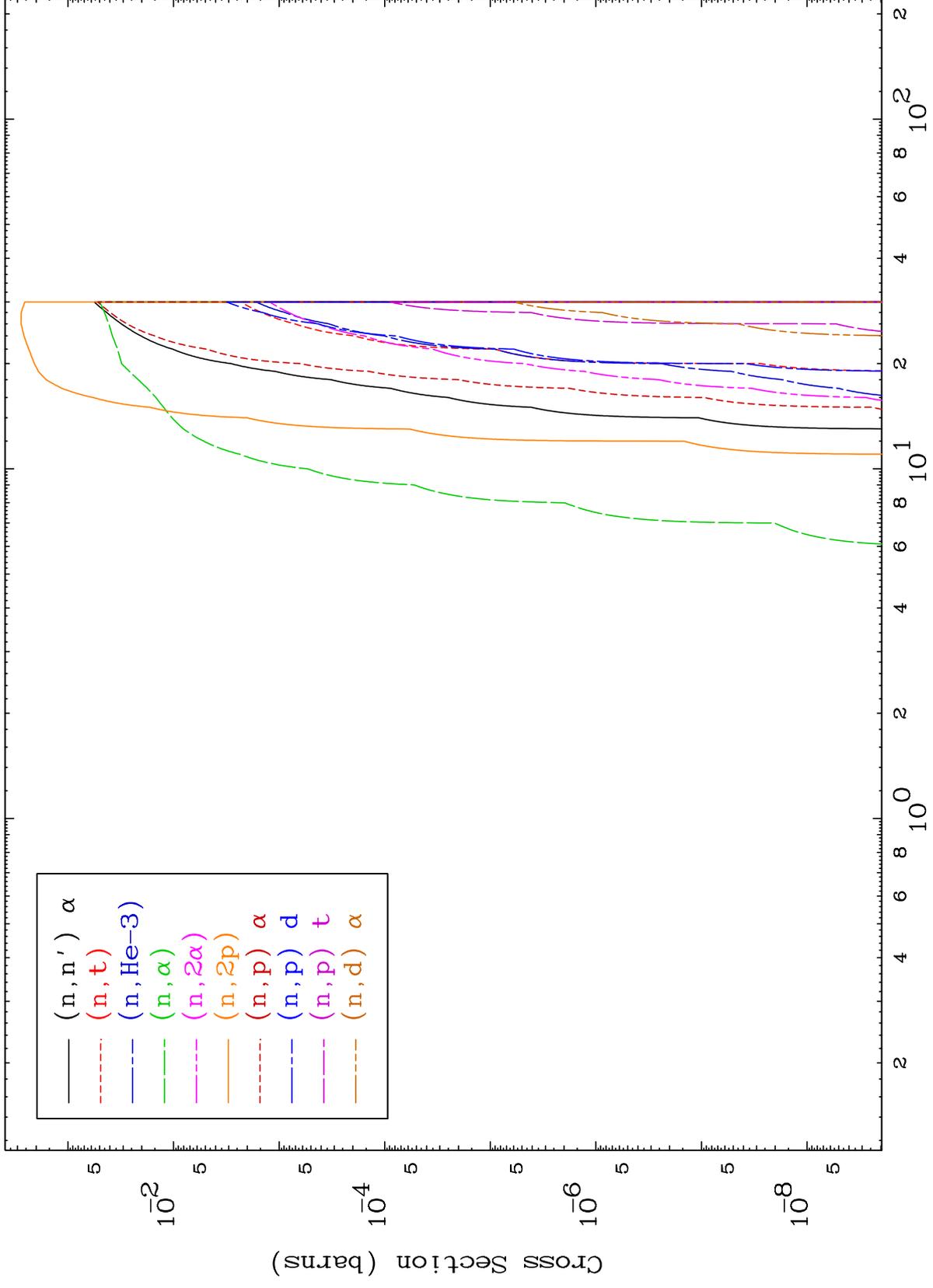
Incident Energy (MeV)

34-Se-73m

MAT 3423

α Charged Particle
0 Kelvin Cross Sections

$^{34}\text{Se-73m}$

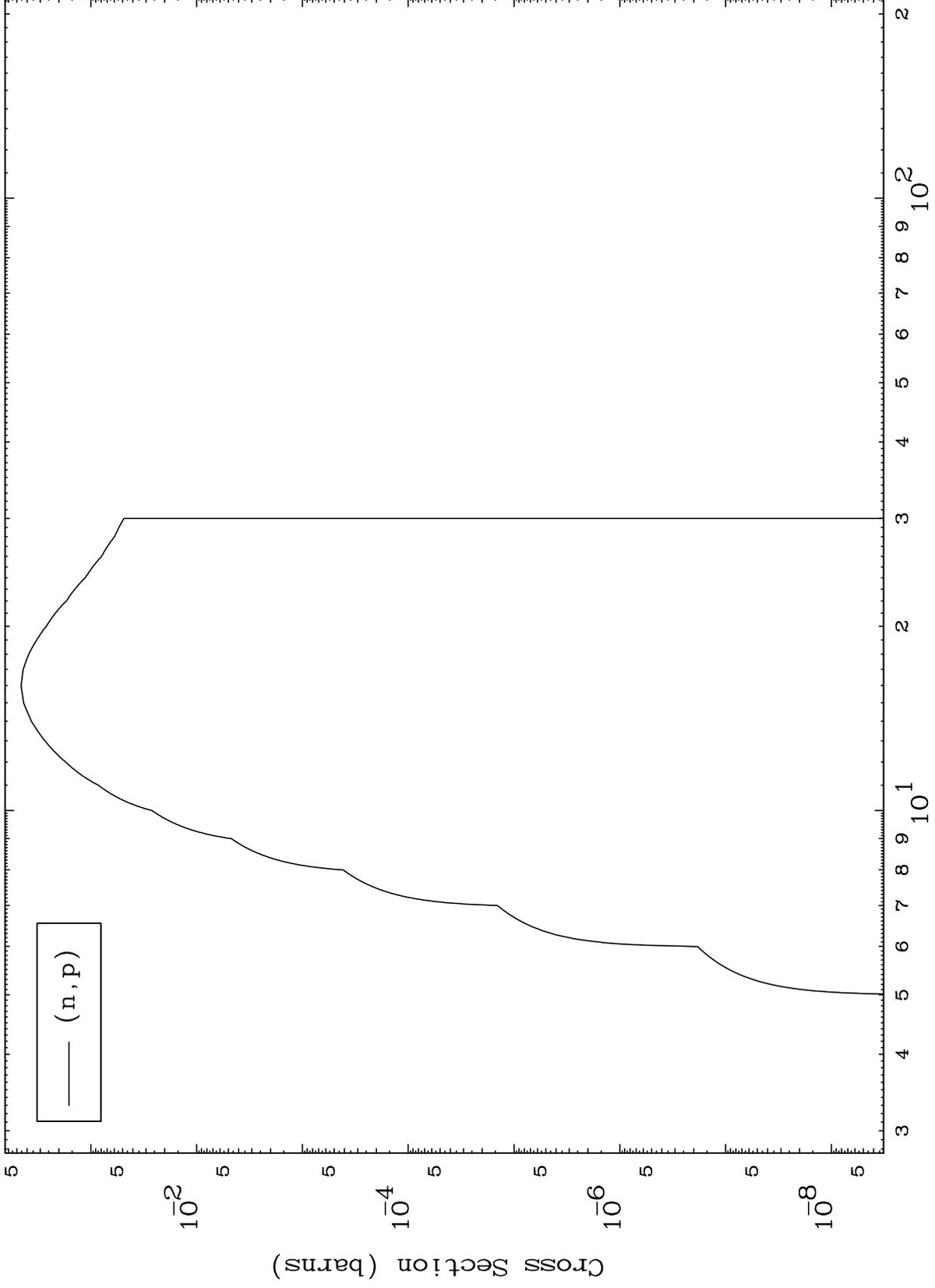


MAT 3423

(α, p) Levels

$^{34}\text{Se-73m}$

0 Kelvin Cross Sections



7

Incident Energy (MeV)

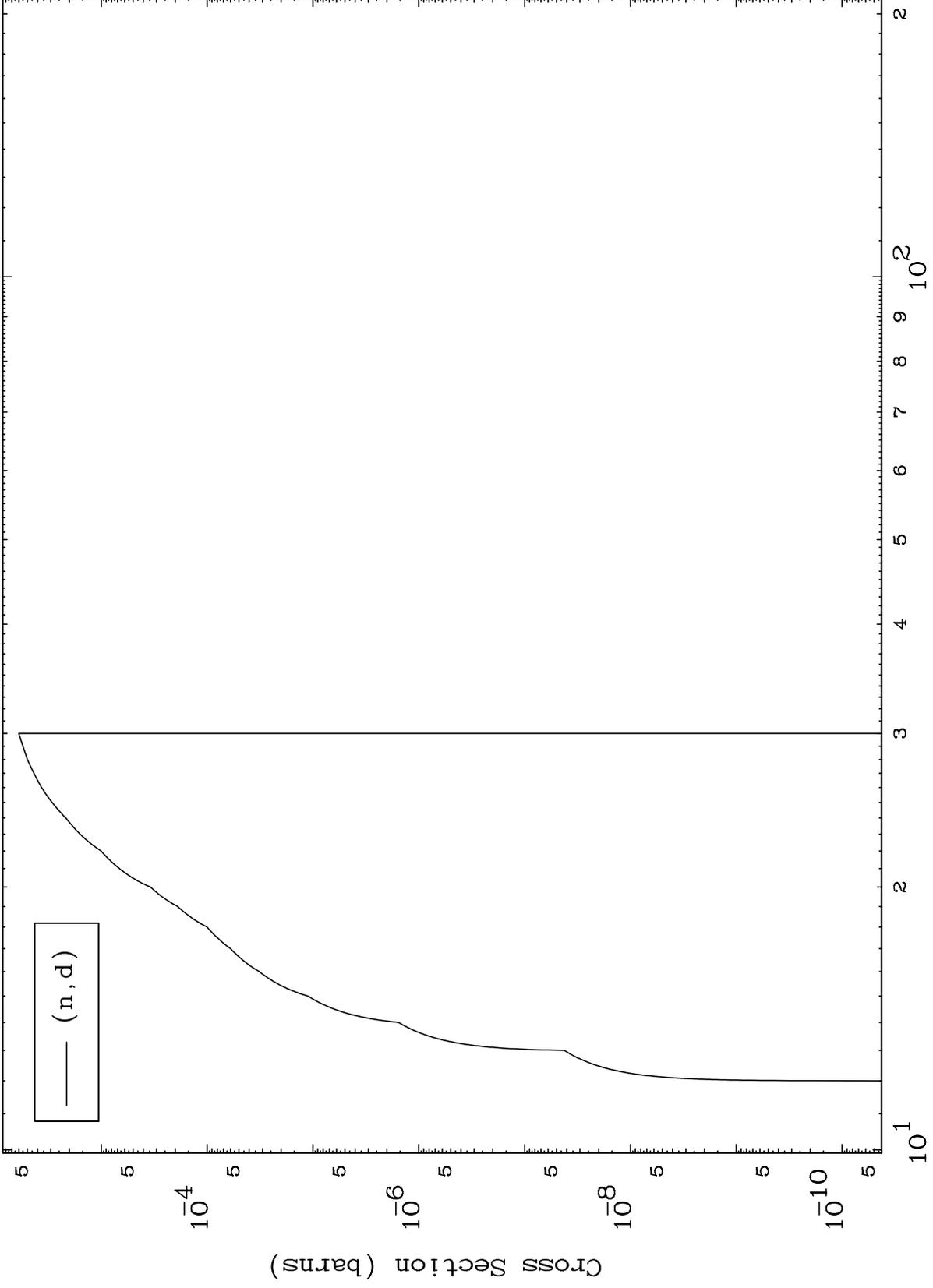
$^{34}\text{Se-73m}$

MAT 3423

(α, d) Levels

$^{34}\text{Se-73m}$

0 Kelvin Cross Sections



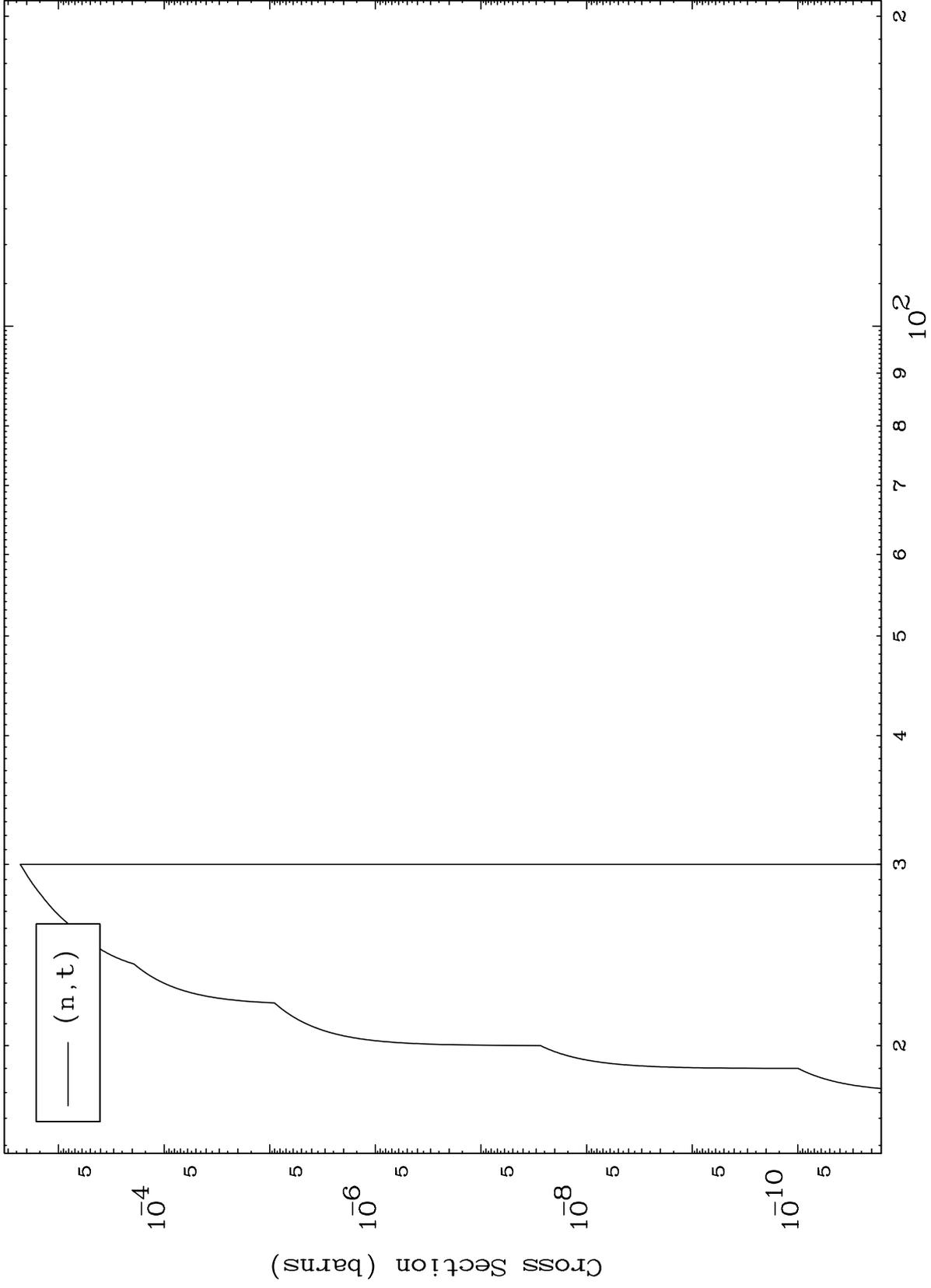
Incident Energy (MeV)

$^{34}\text{Se-73m}$

MAT 3423

(α, t) Levels
0 Kelvin Cross Sections

$^{34}\text{Se-73m}$



9

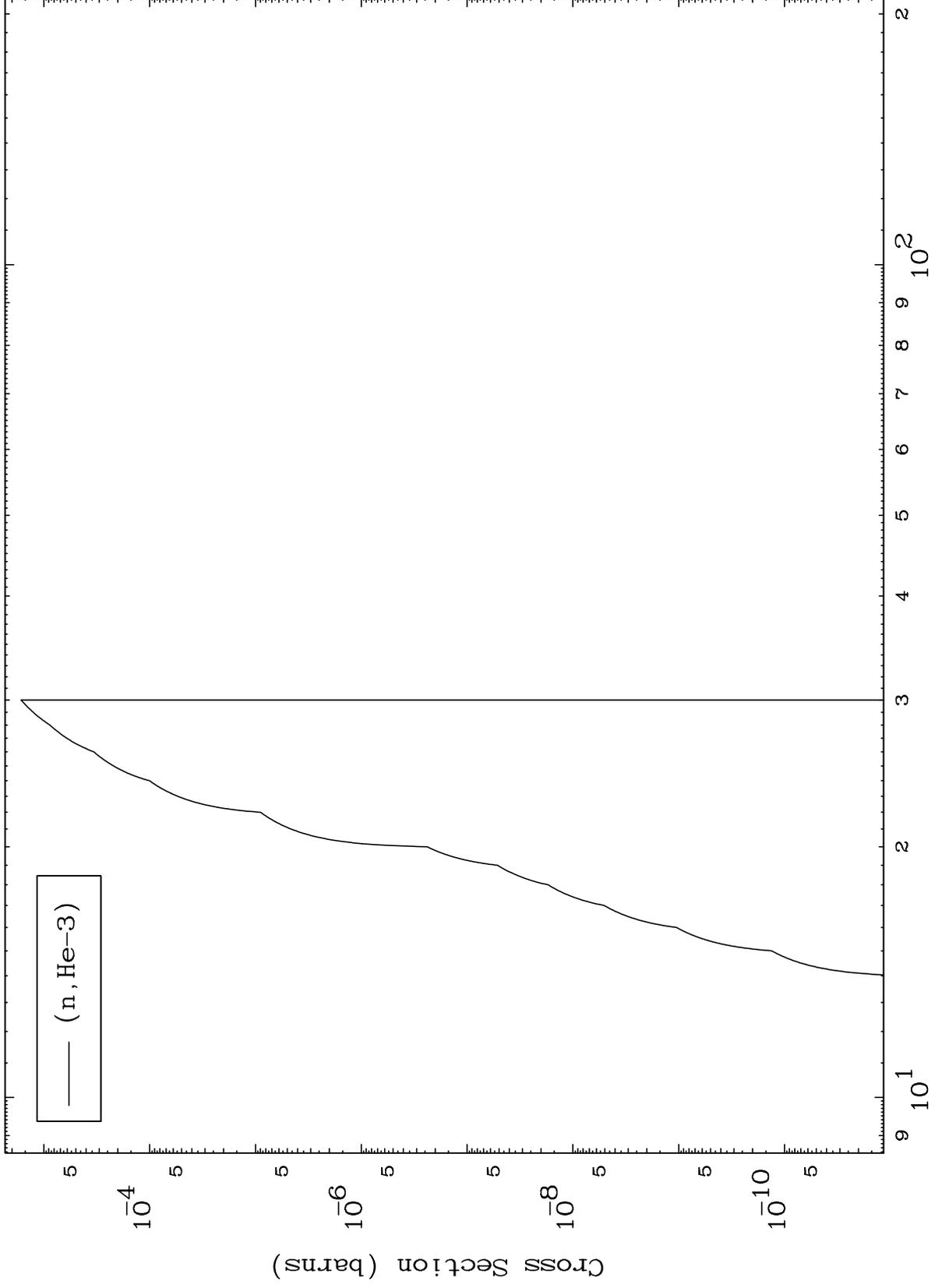
Incident Energy (MeV)

$^{34}\text{Se-73m}$

MAT 3423

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

$^{34}\text{Se-73m}$



$^{34}\text{Se-73m}$

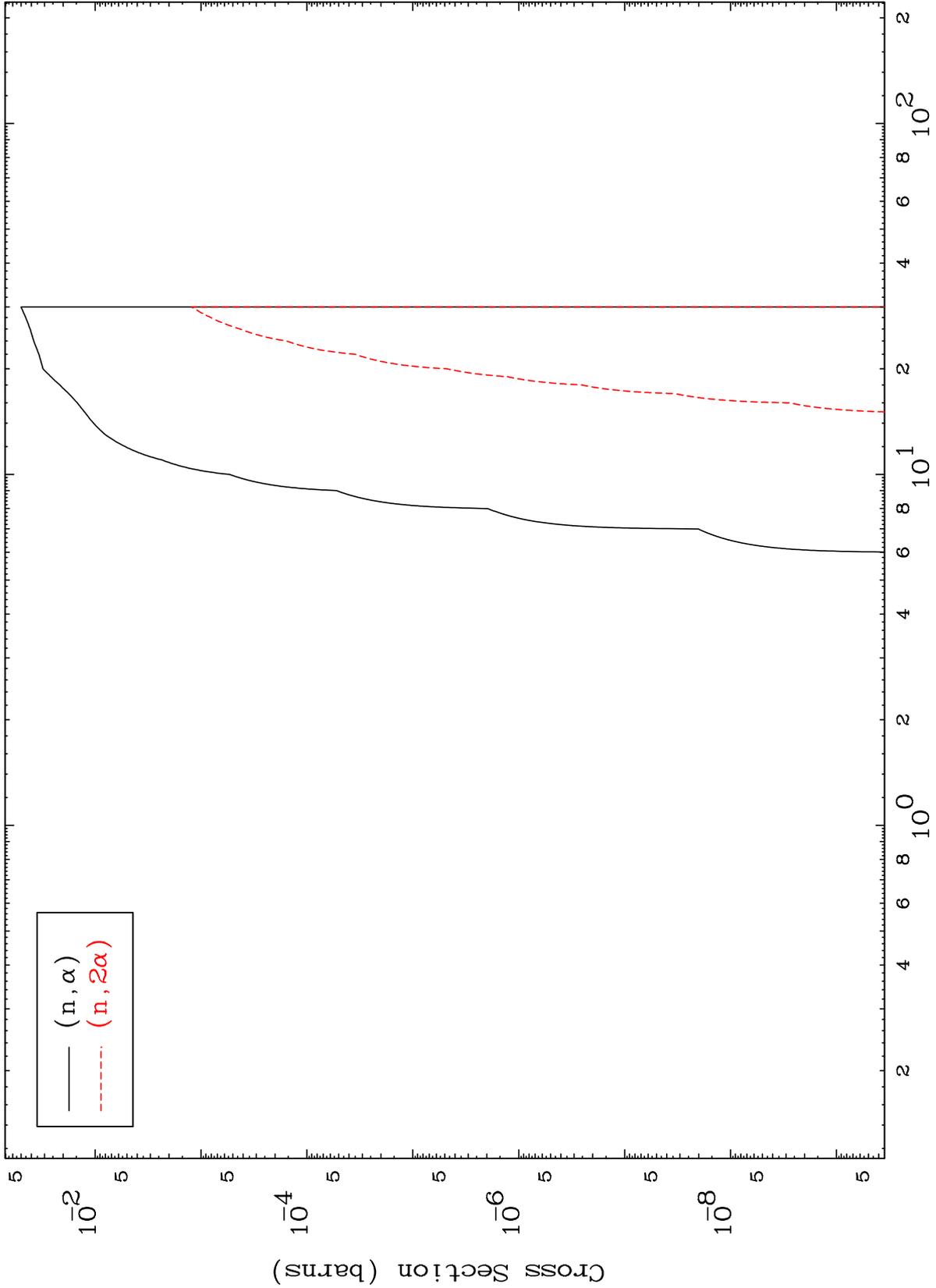
Incident Energy (MeV)

MAT 3423

(α, α) Levels

34-Se-73m

0 Kelvin Cross Sections

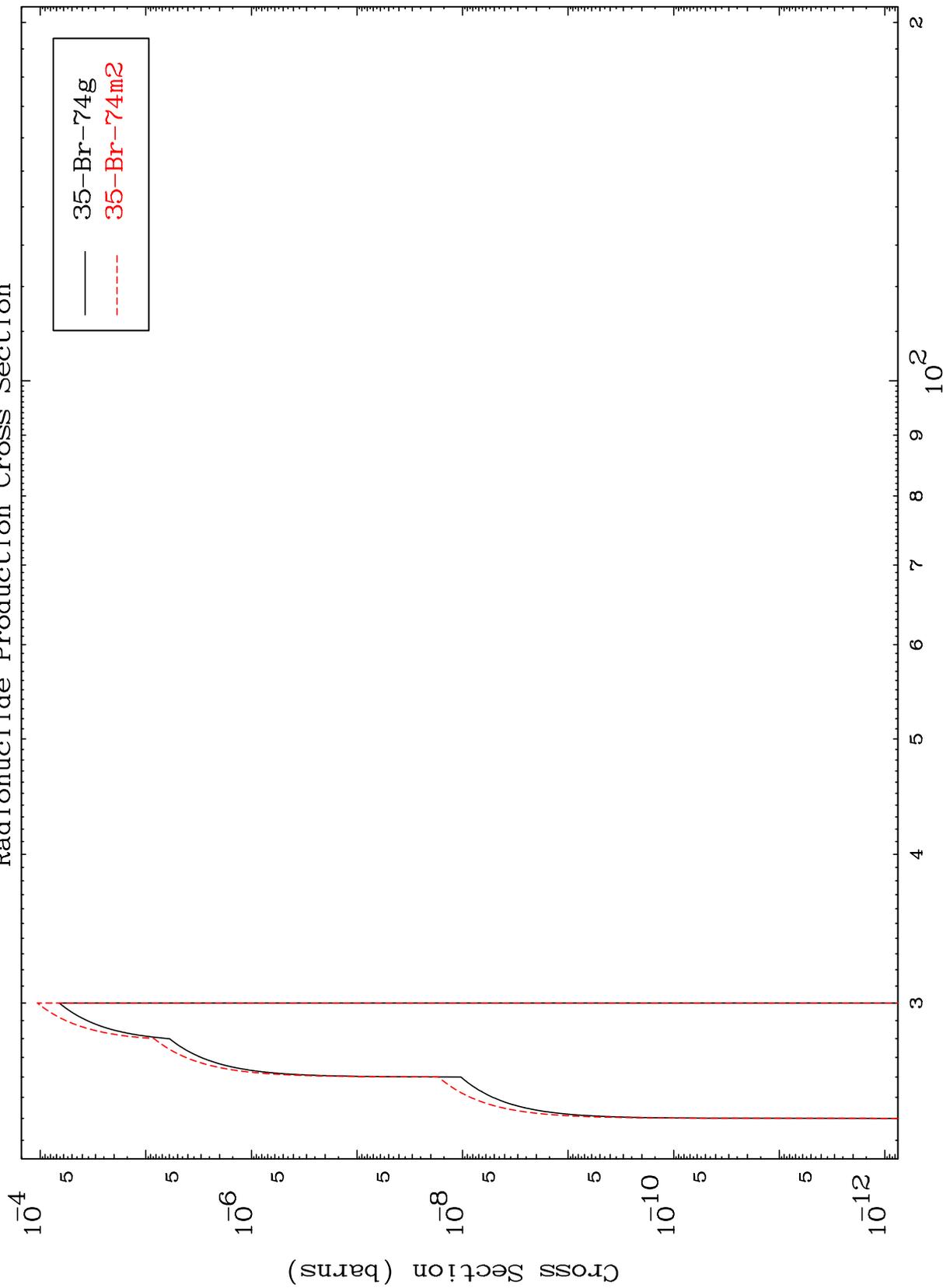


MAT 3423

(n,n') d

34-Se-73m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

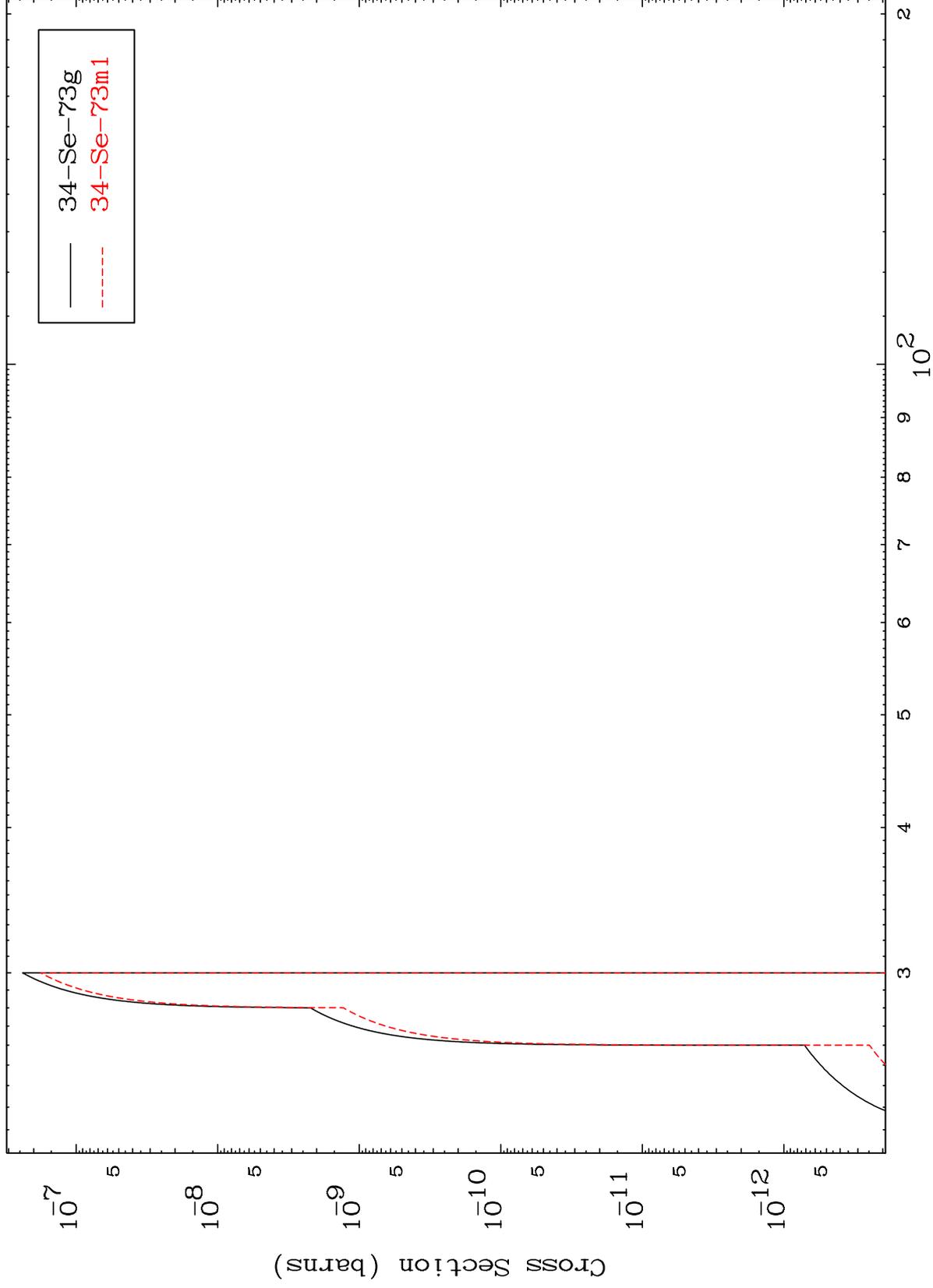
34-Se-73m

MAT 3423

(n,n') He-3

34-Se-73m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

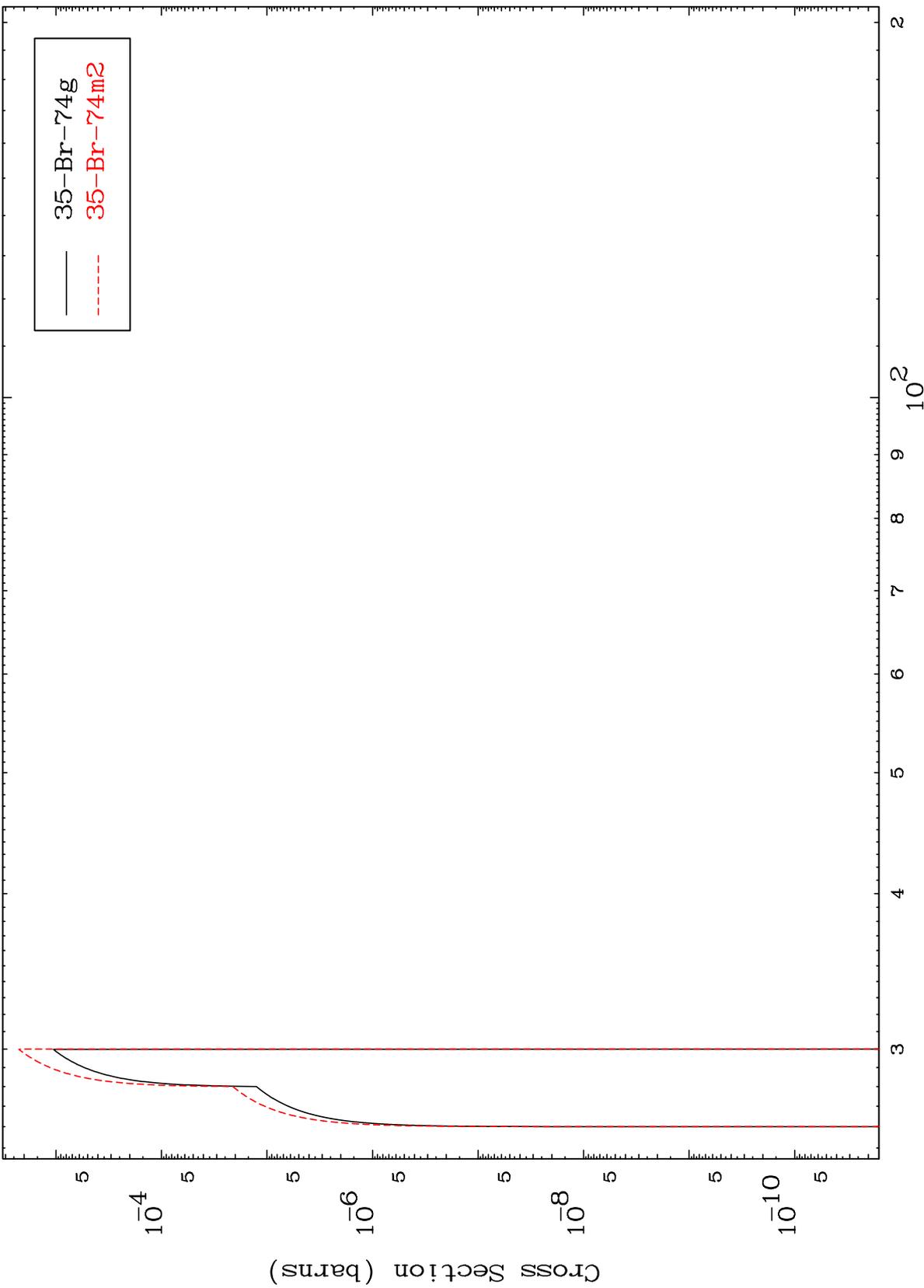
34-Se-73m

MAT 3423

(n,2n) p

³⁴Se-⁷³m

Radionuclide Production Cross Section



14

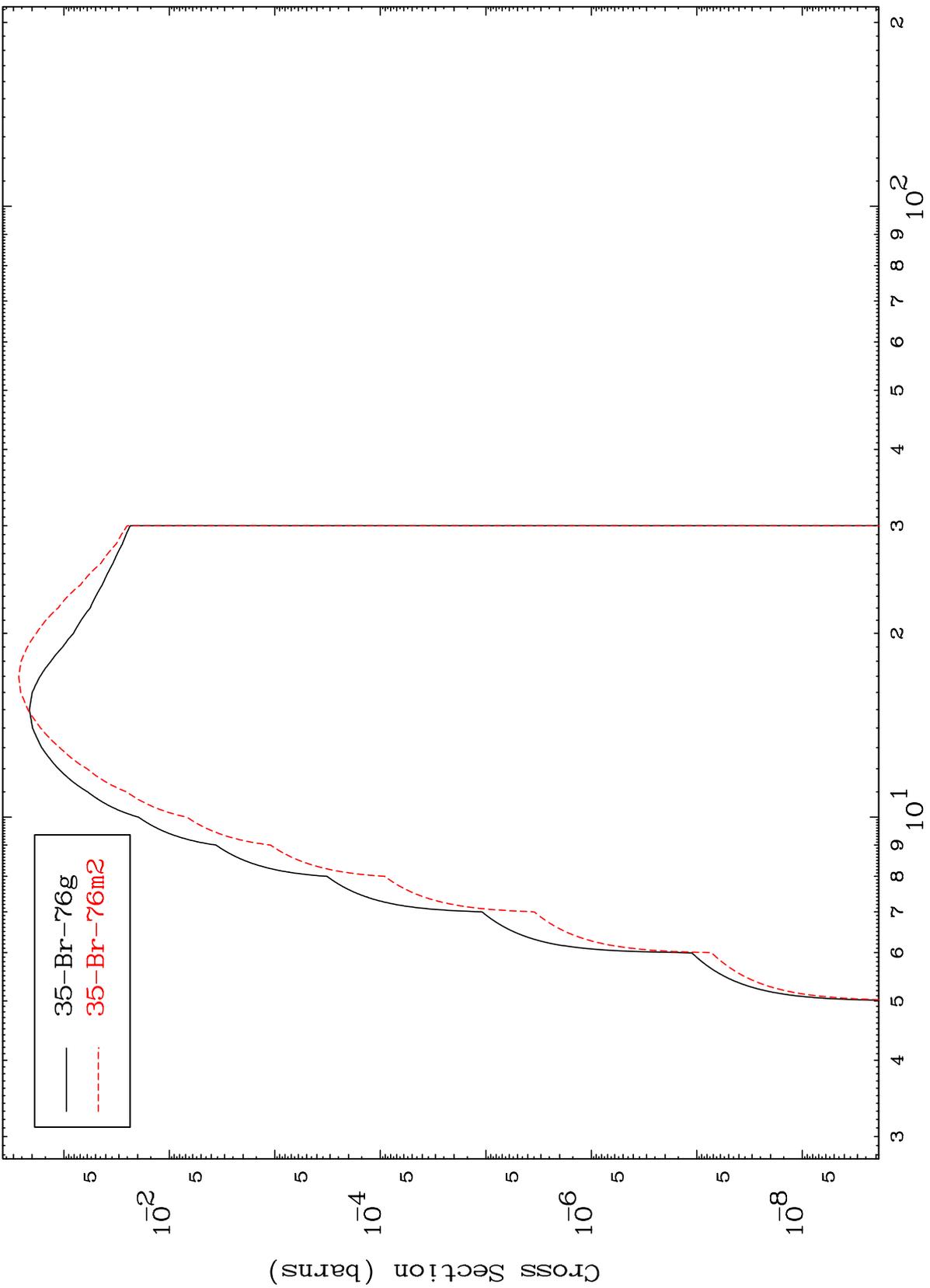
Incident Energy (MeV)

³⁴Se-⁷³m

MAT 3423

³⁴Se-⁷³m

Radionuclide Production Cross Section (n,p)



Legend:
— 35-Br-76g
- - - 35-Br-76m2

15

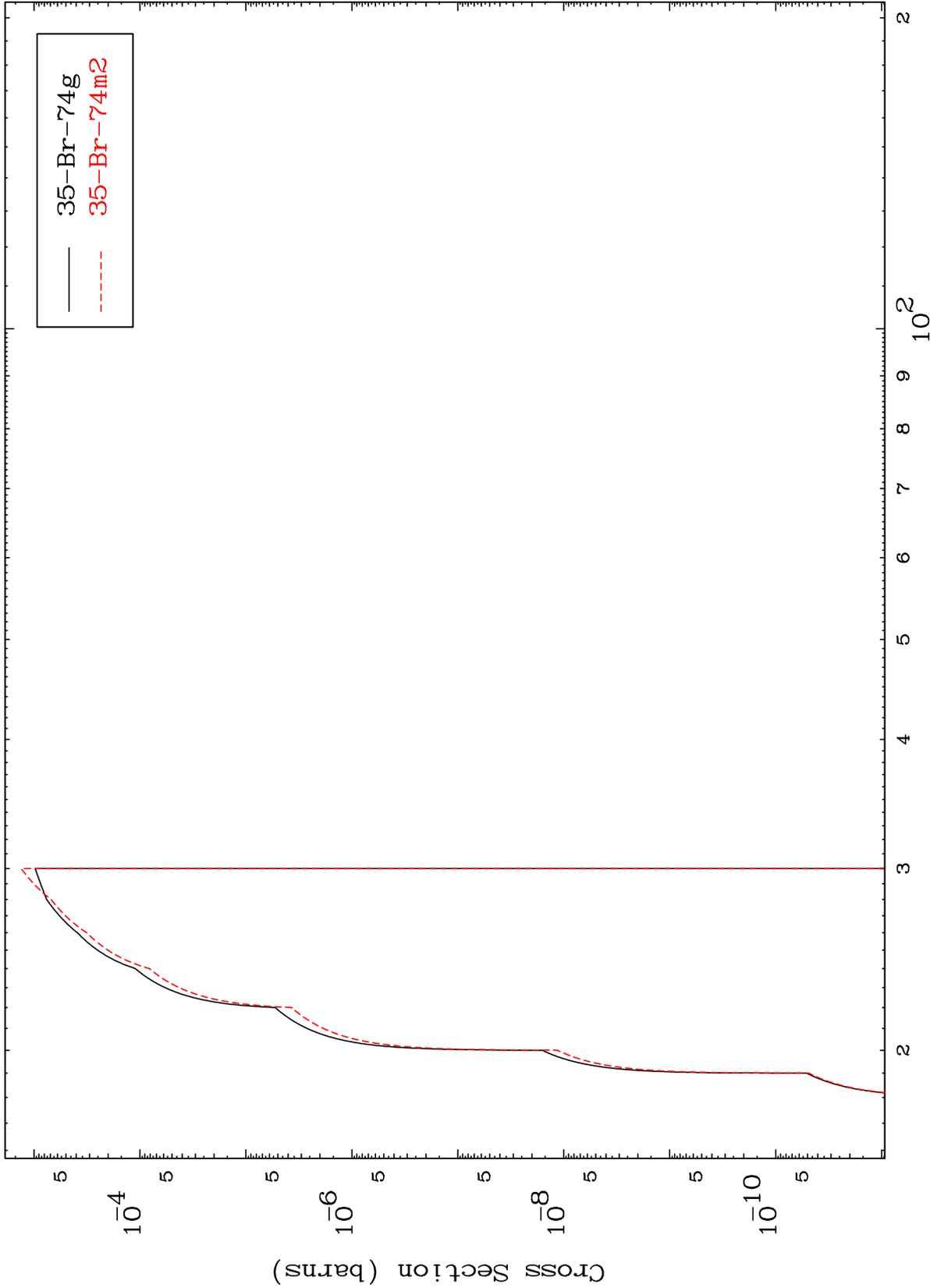
Incident Energy (MeV)

³⁴Se-⁷³m

MAT 3423

34-Se-73m

(n, t)
Radionuclide Production Cross Section



16

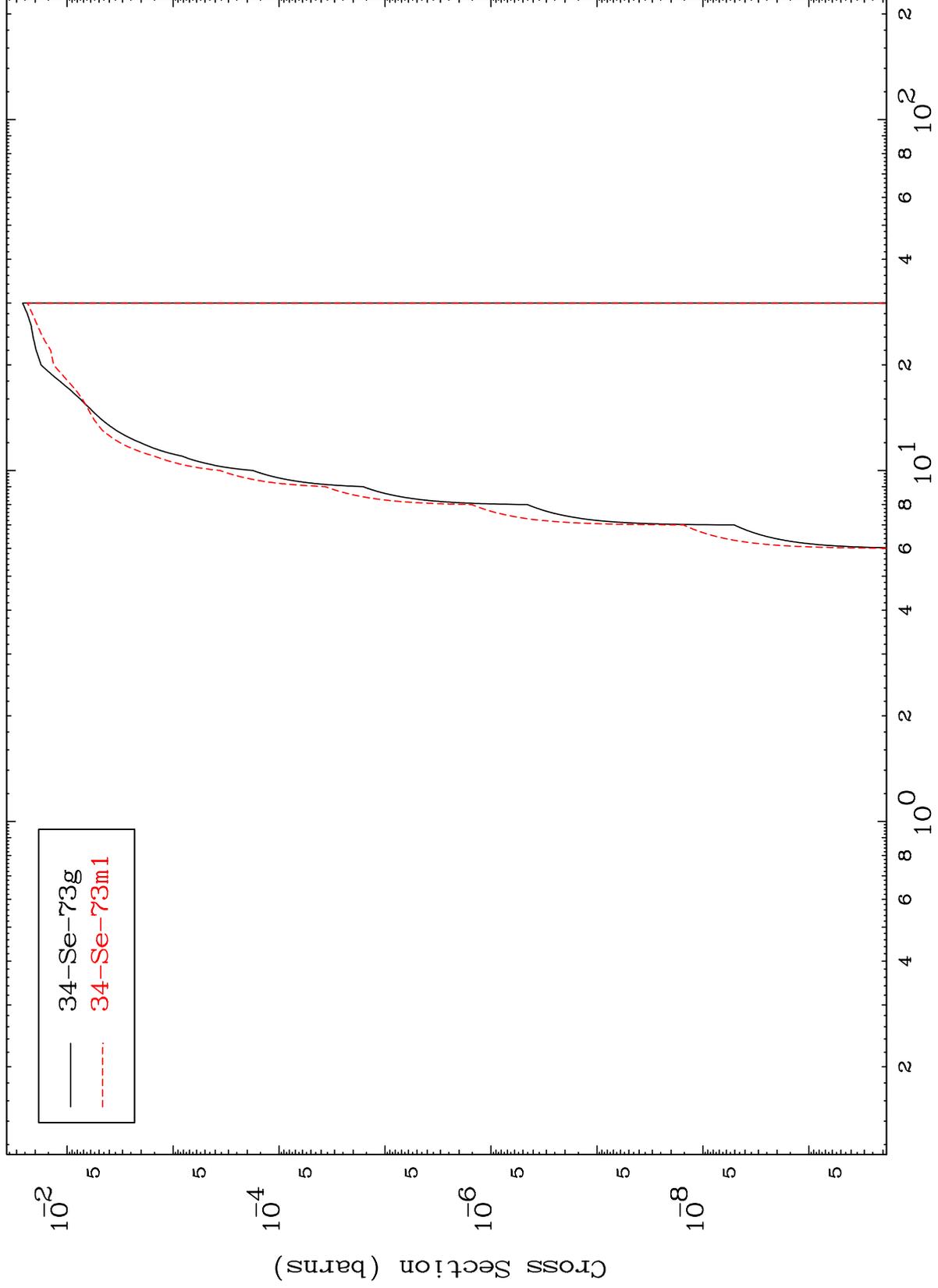
Incident Energy (MeV)

34-Se-73m

MAT 3423

$^{34}\text{Se-73m}$

Radionuclide Production Cross Section

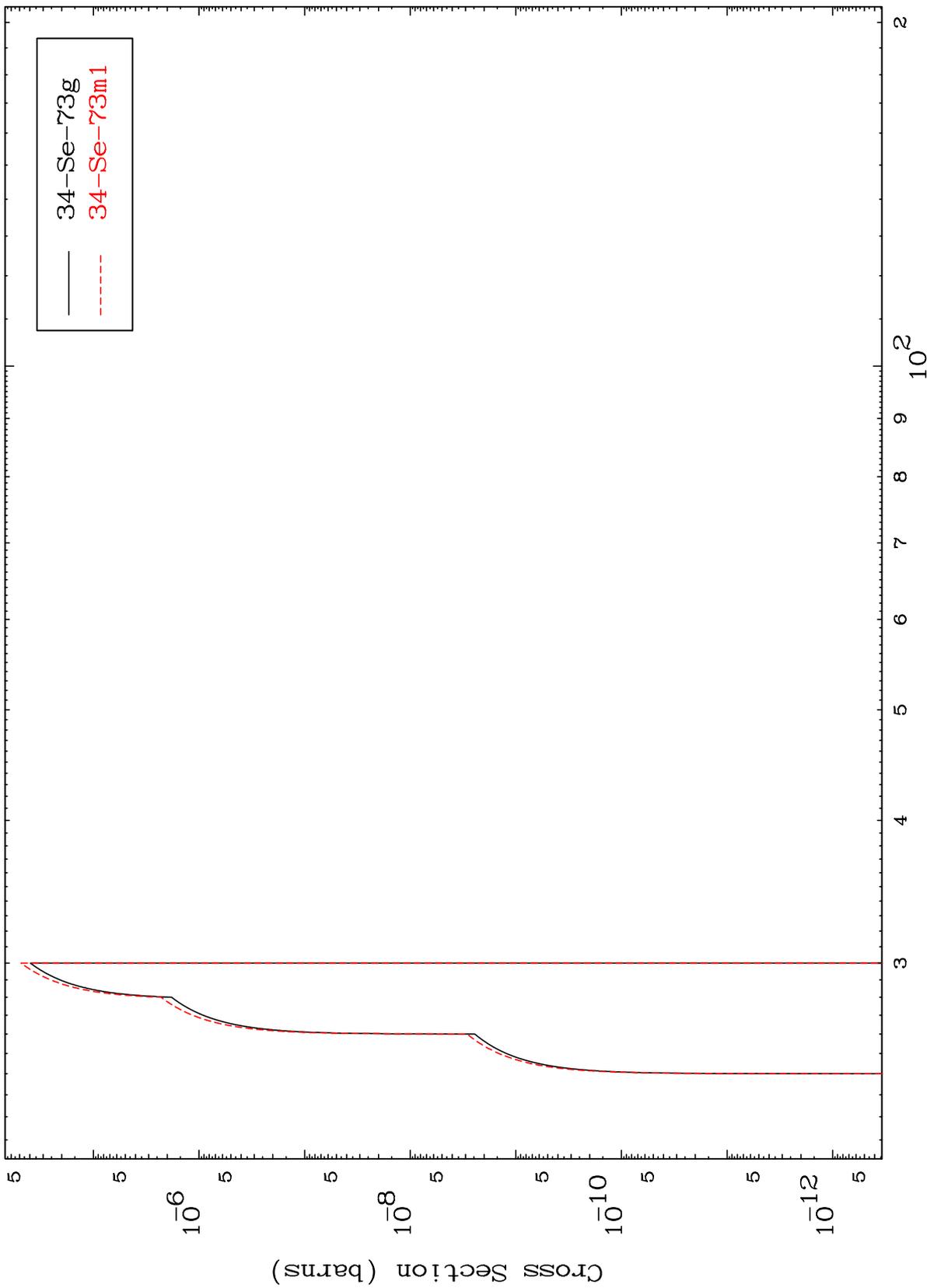


MAT 3423

(n,p) t

³⁴Se-⁷³m

Radionuclide Production Cross Section



34-Se-73g
34-Se-73m1

18

Incident Energy (MeV)

³⁴Se-⁷³m