

Program EVALPLOT
(Version 2021-1)

by

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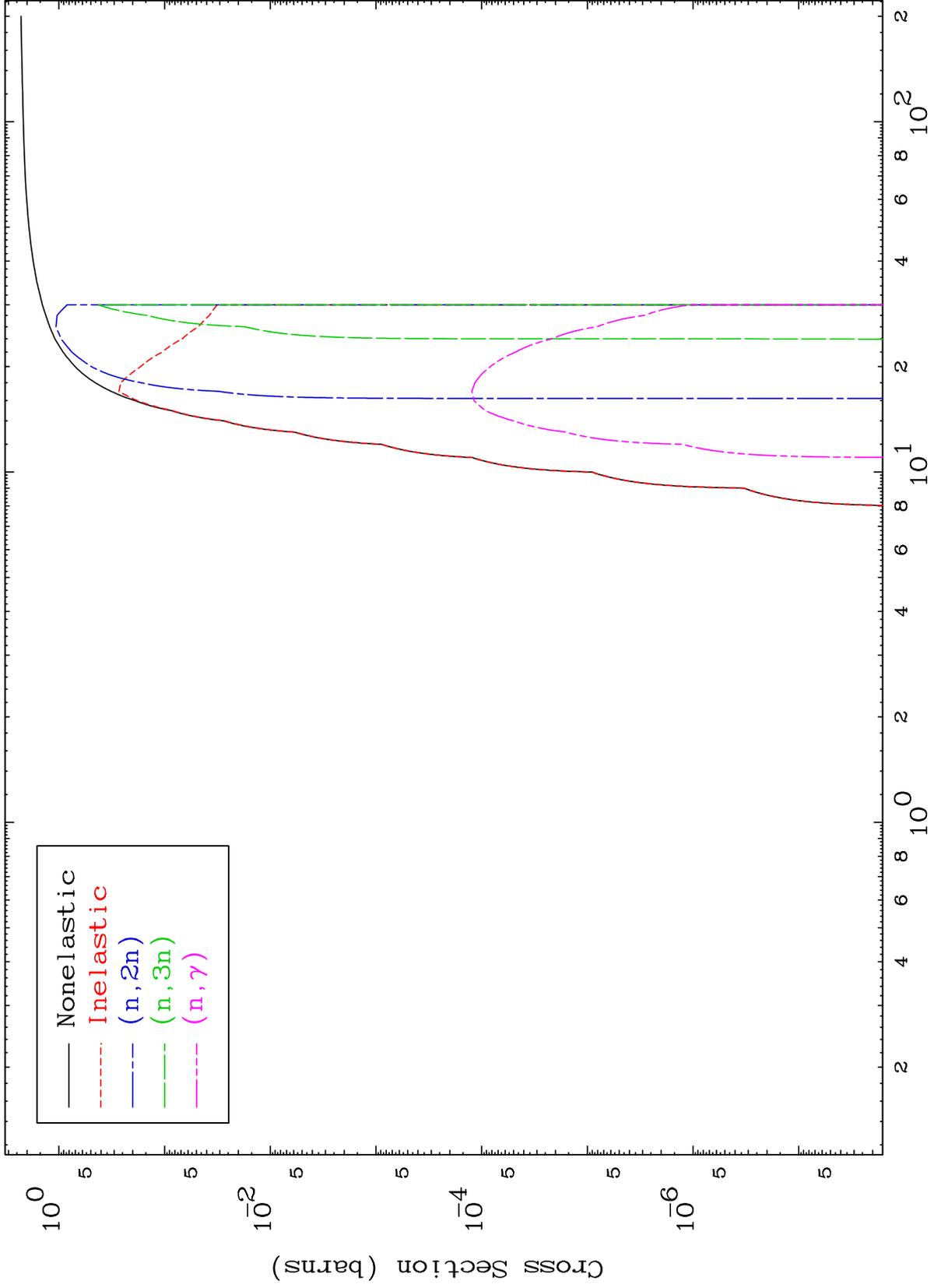
Press Mouse Button to Start

MAT 5440

α Major

54-Xe-129

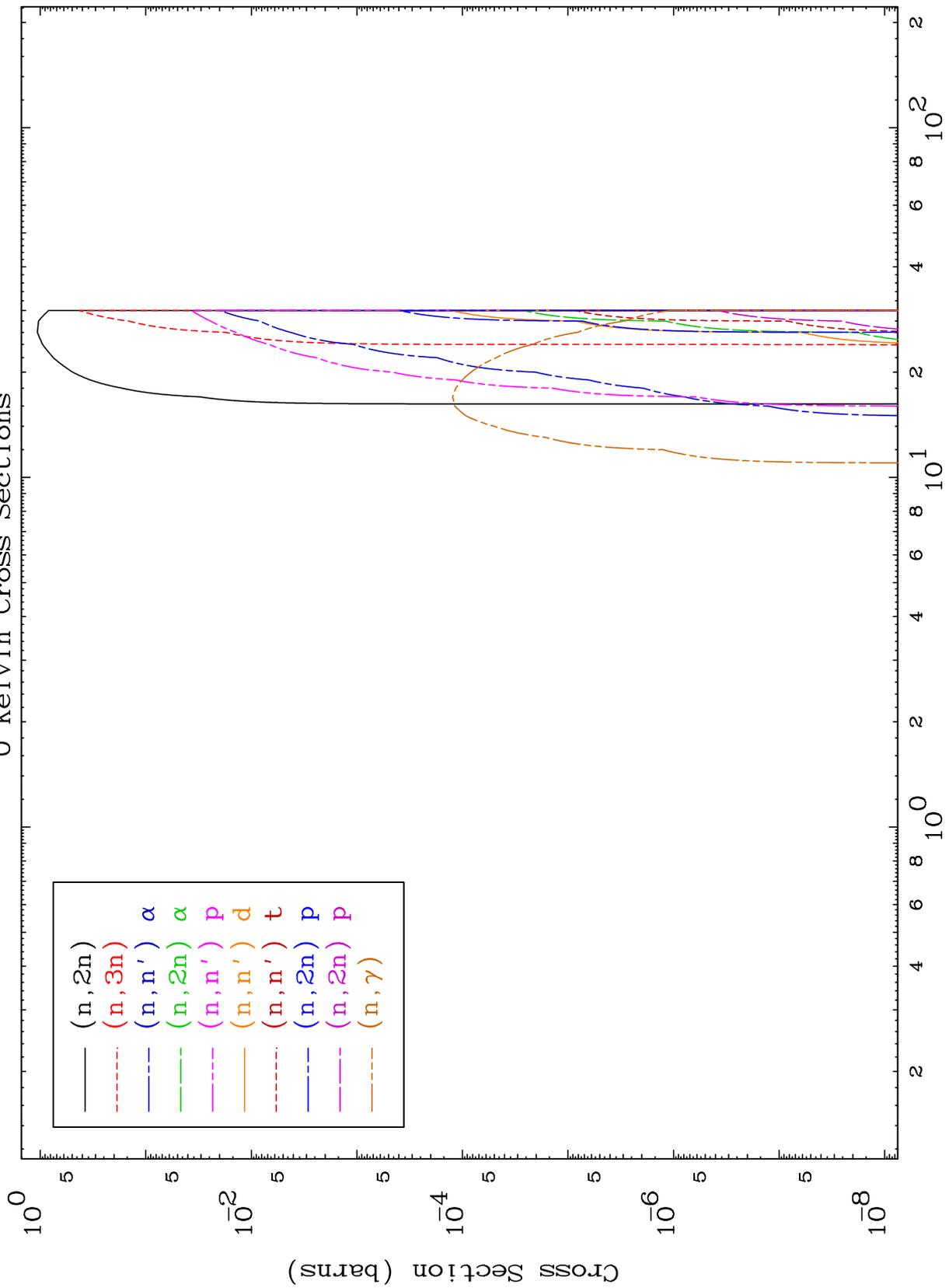
0 Kelvin Cross Sections

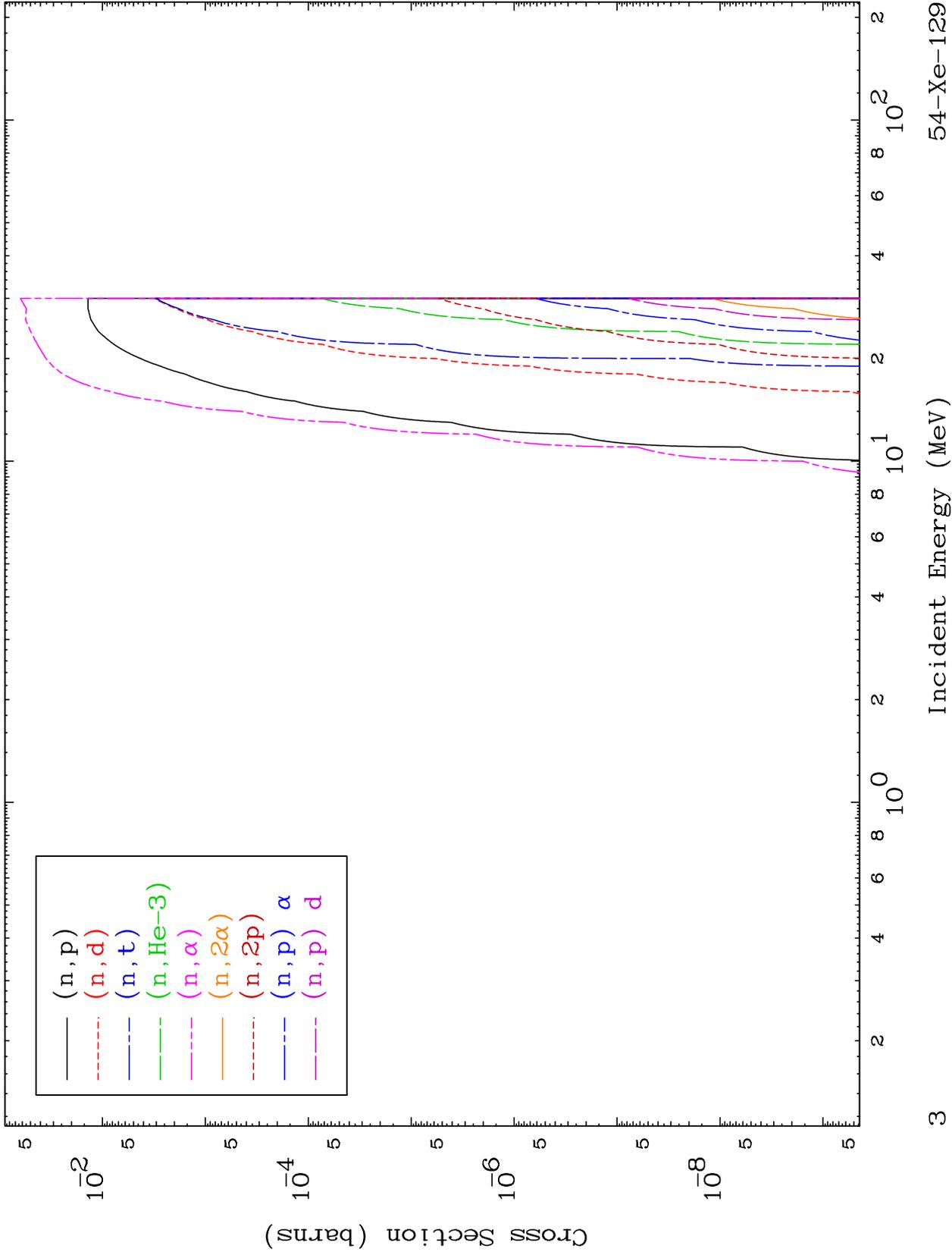


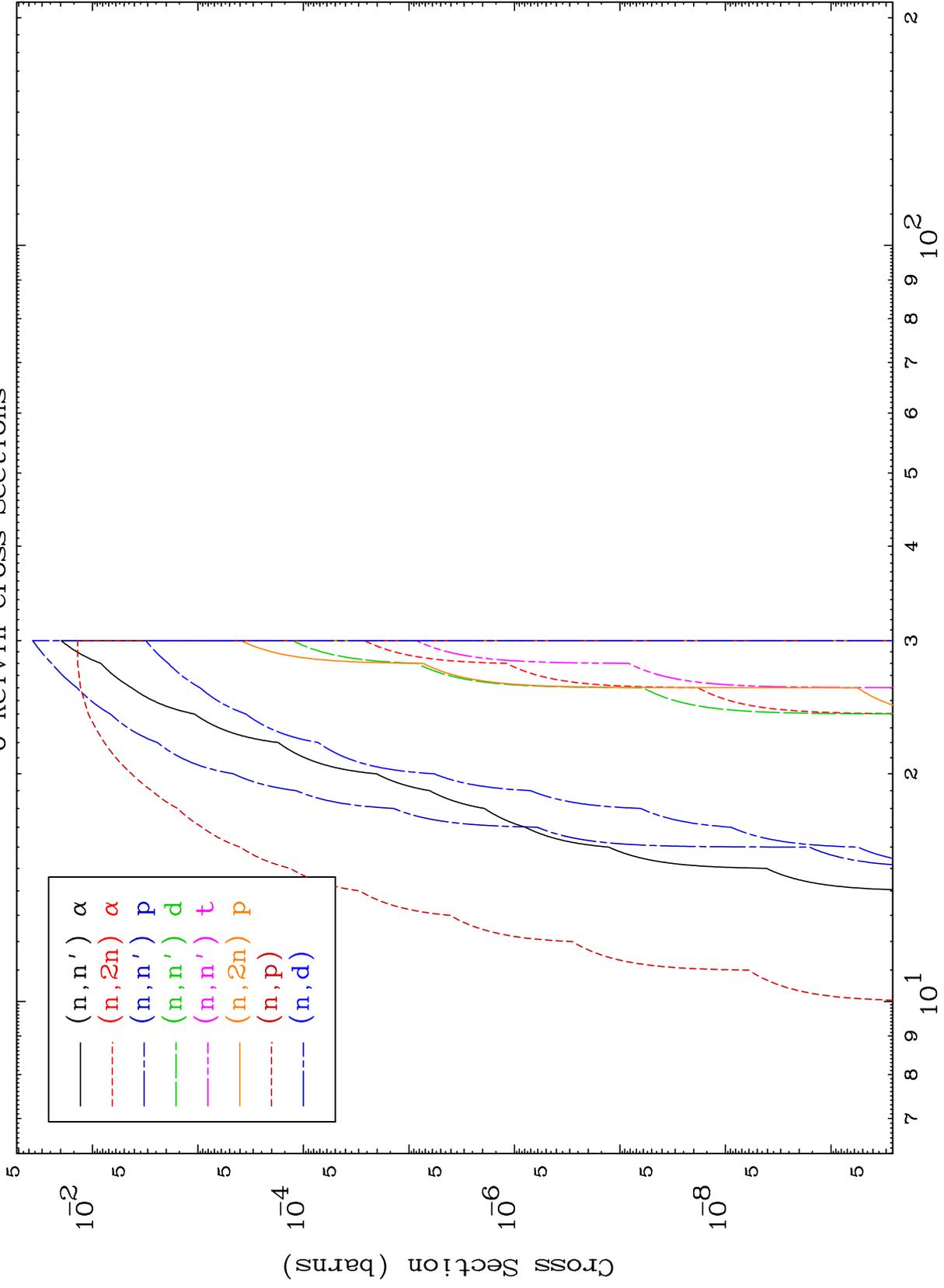
MAT 5440

α Neutron Absorption
0 Kelvin Cross Sections

54-Xe-129



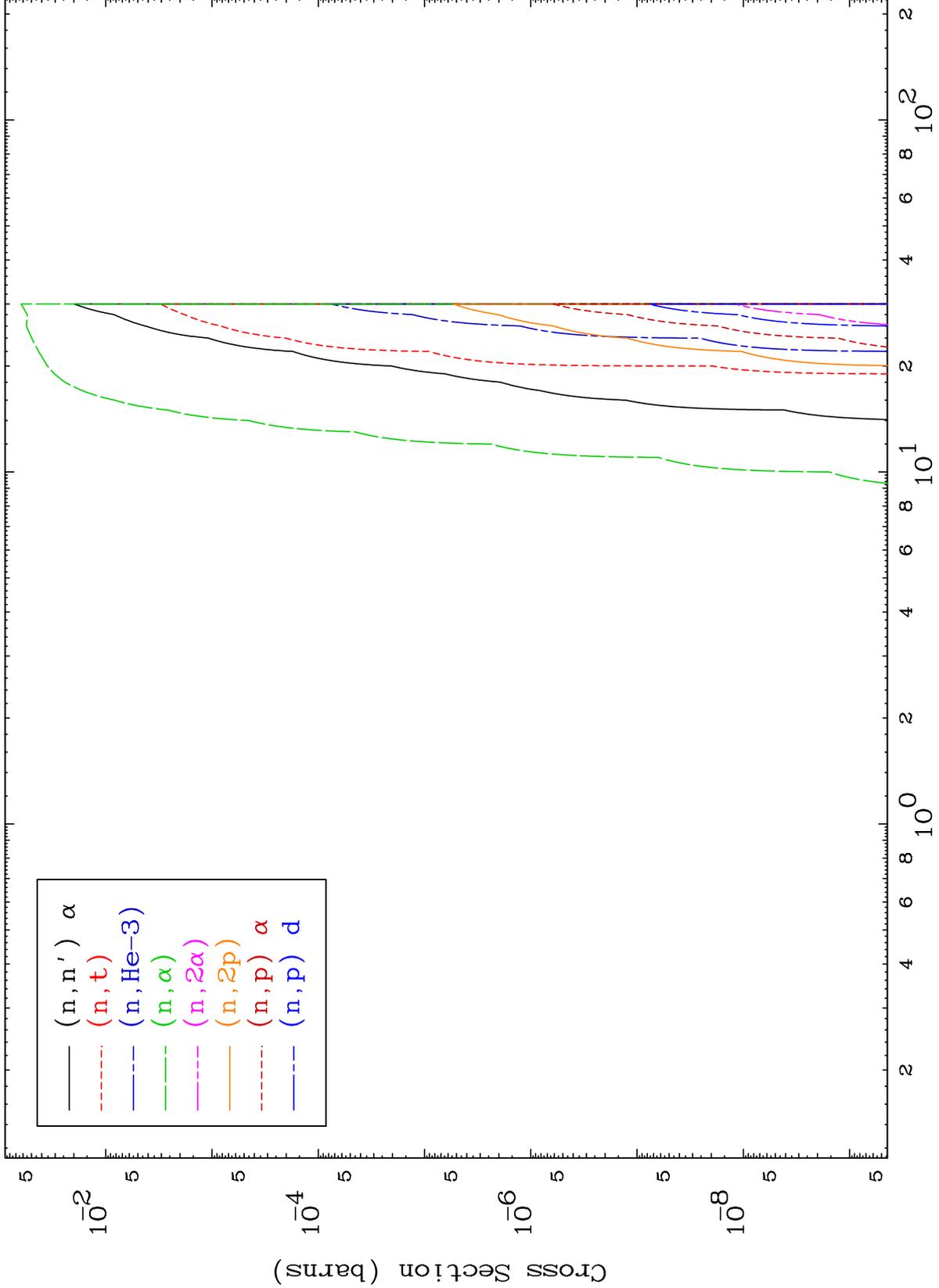




MAT 5440

α Charged Particle
0 Kelvin Cross Sections

54-Xe-129

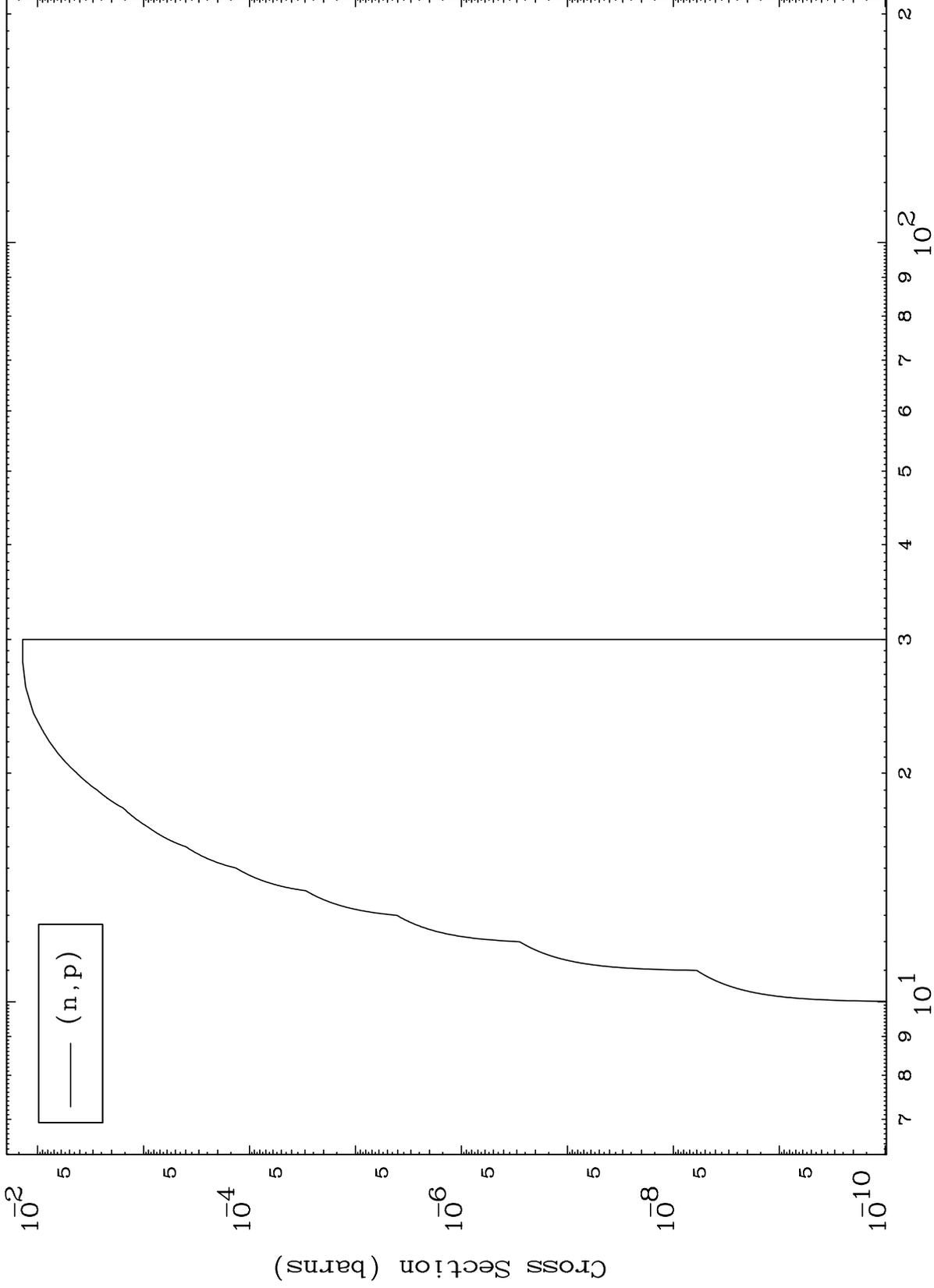


MAT 5440

(α, p) Levels

54-Xe-129

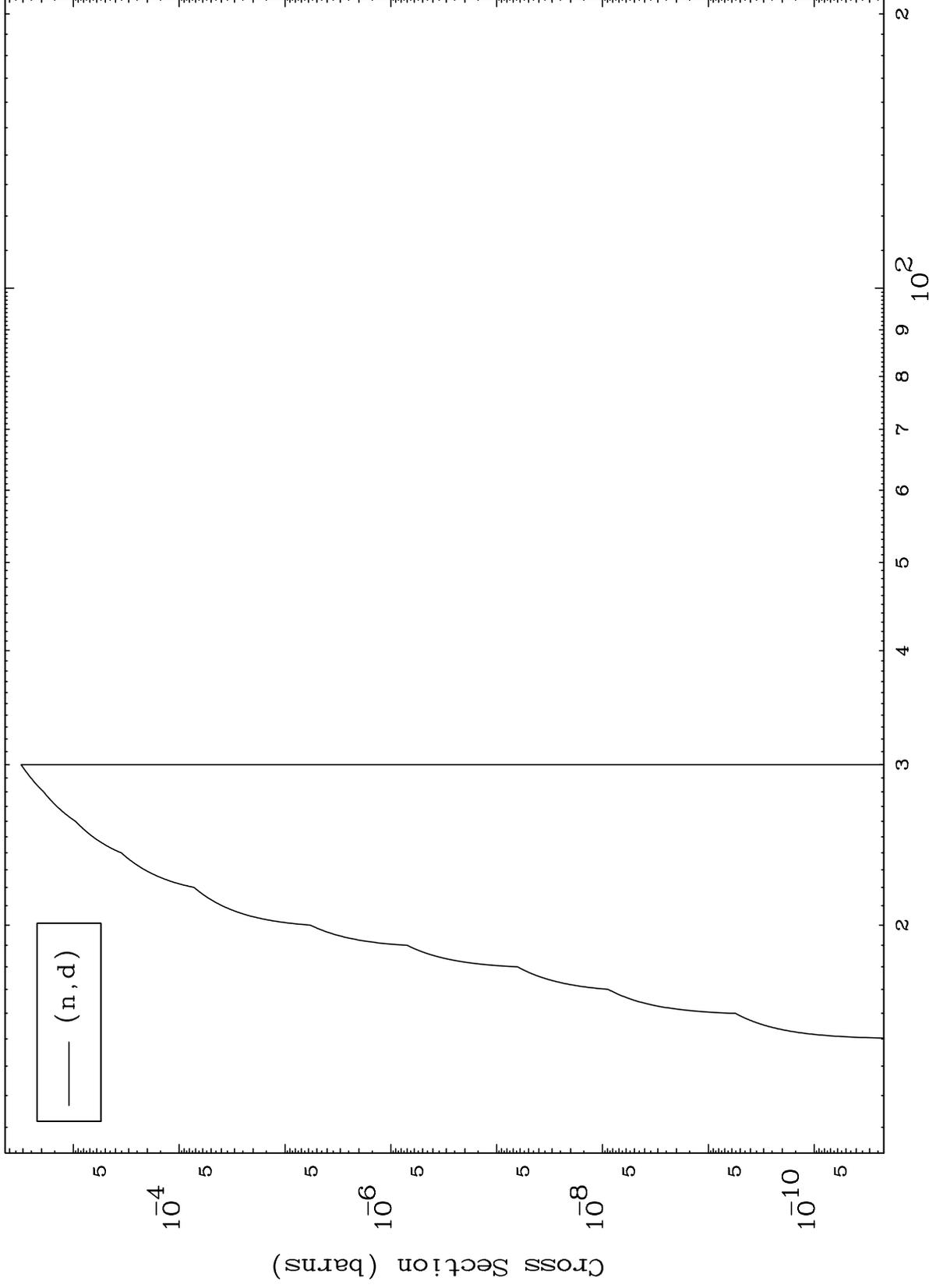
0 Kelvin Cross Sections

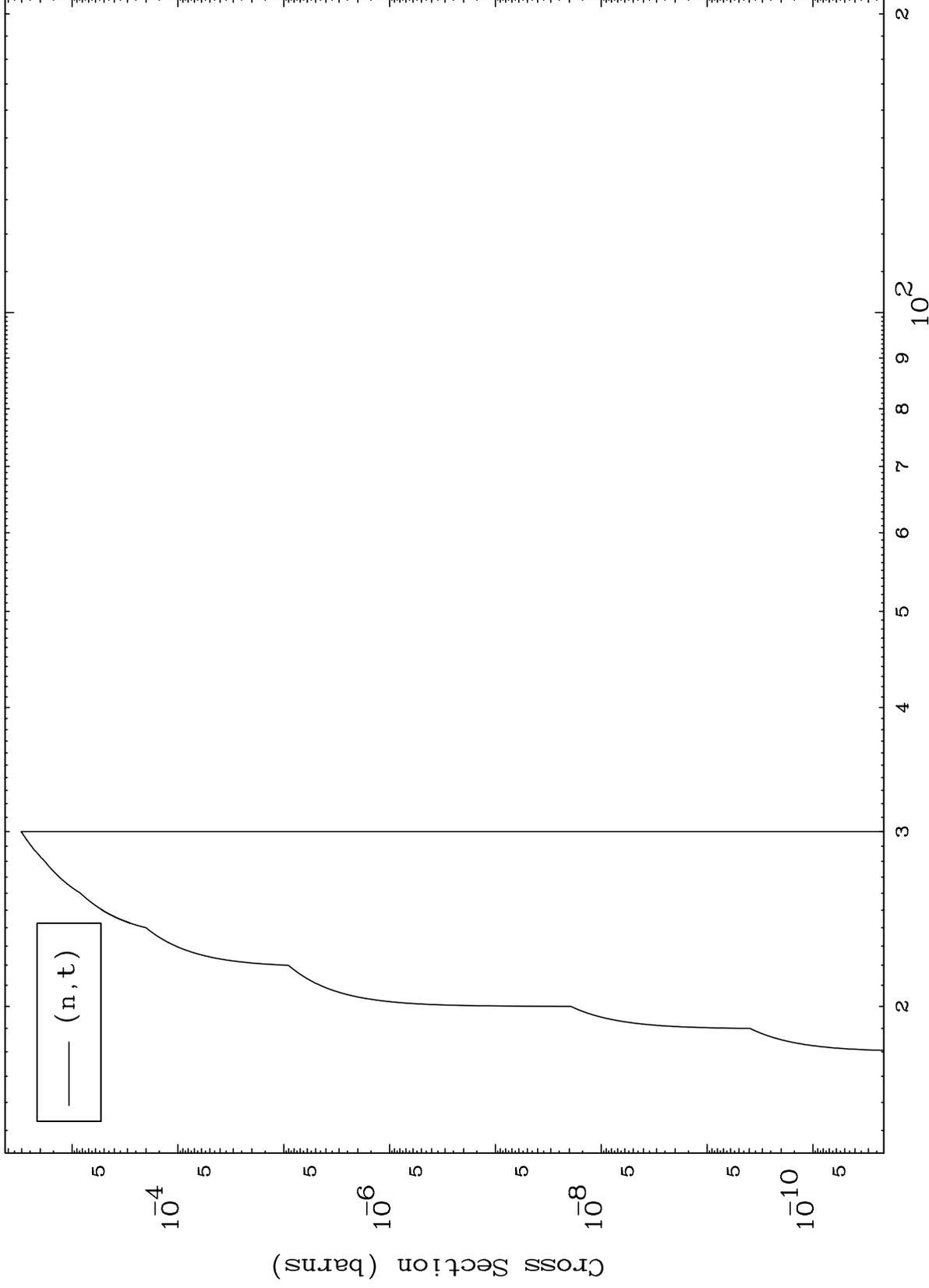


Incident Energy (MeV)

54-Xe-129

6

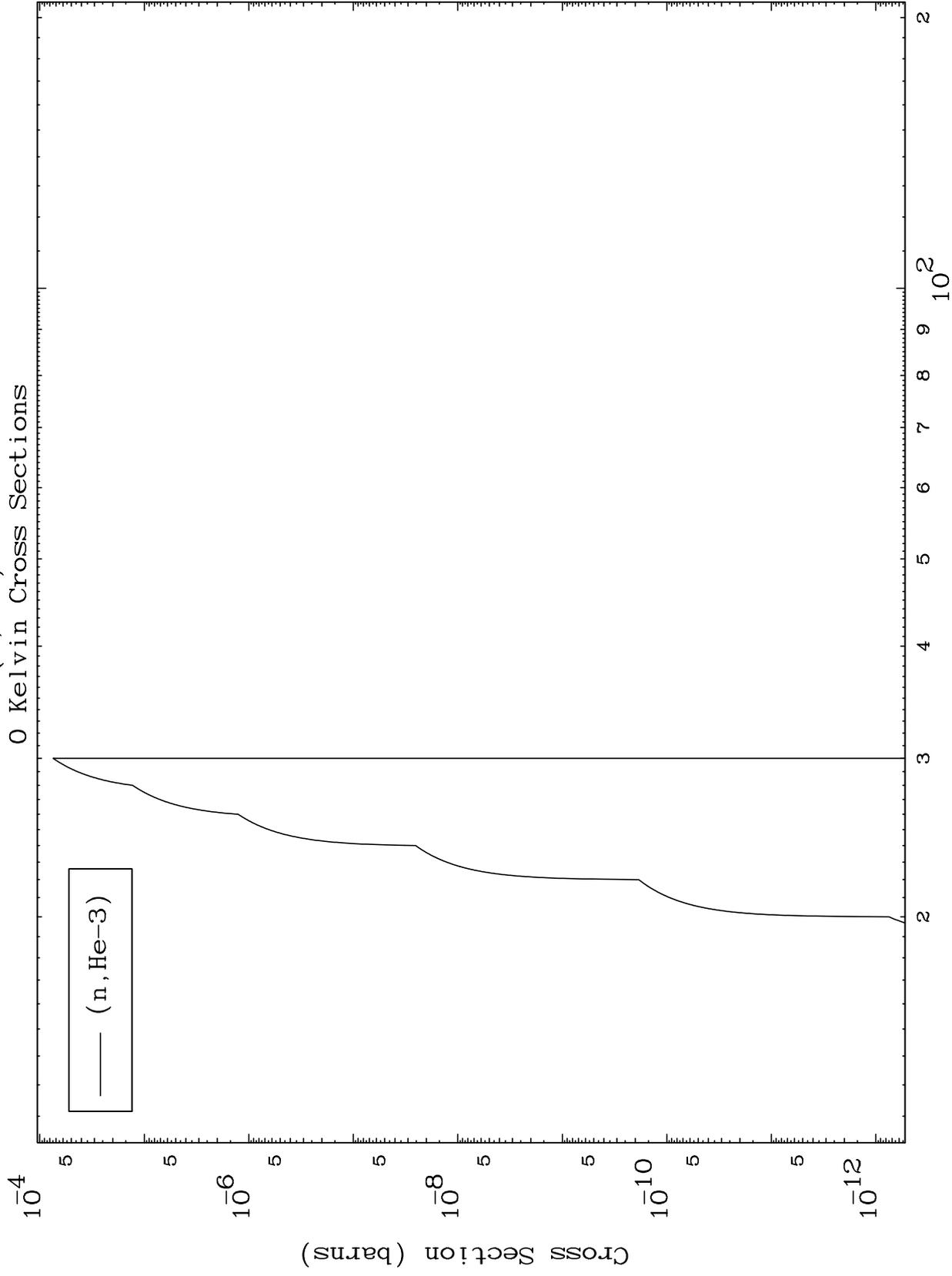




MAT 5440

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

54-Xe-129

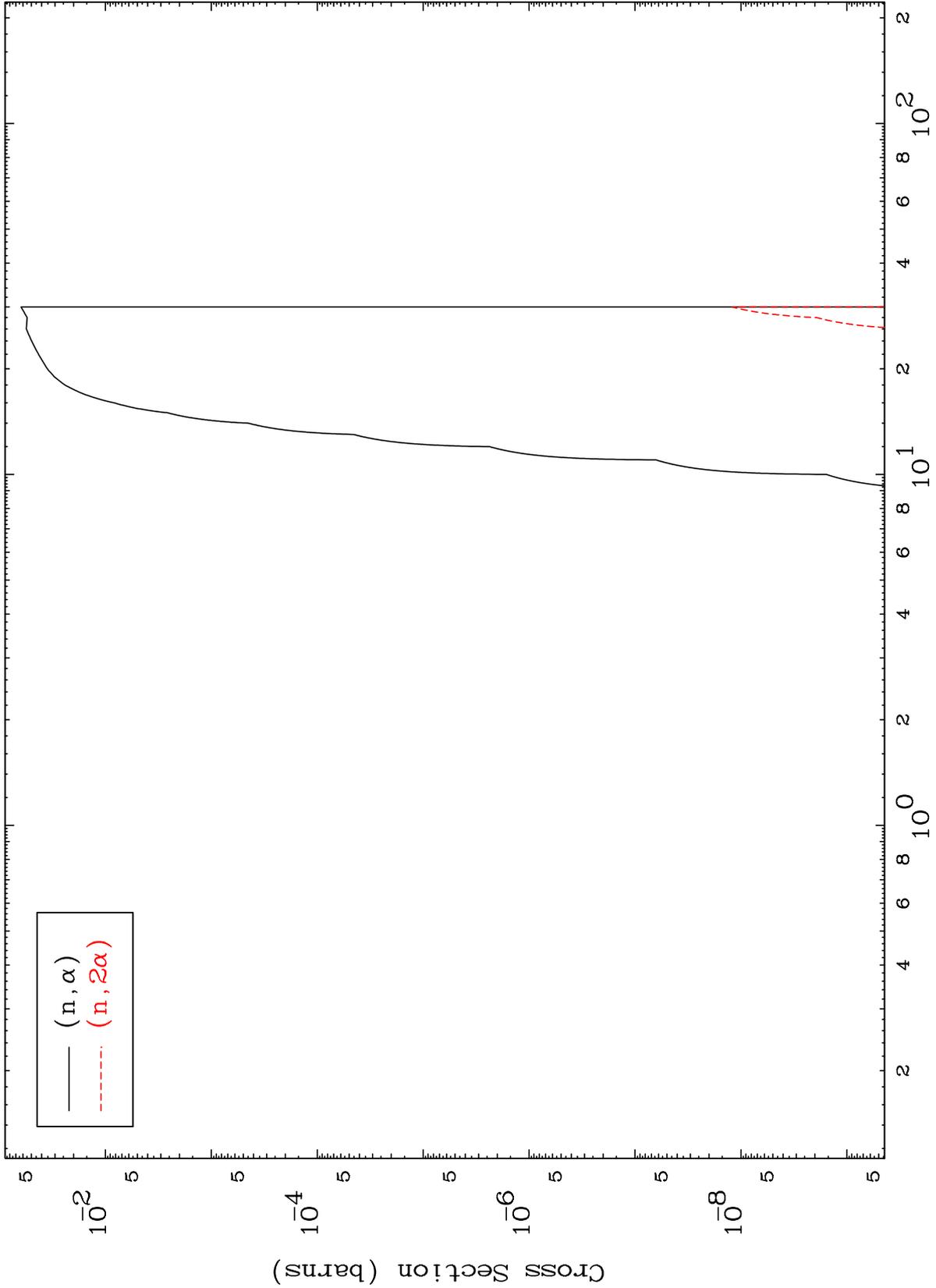


MAT 5440

(α, α) Levels

54-Xe-129

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2α)

10

Incident Energy (MeV)

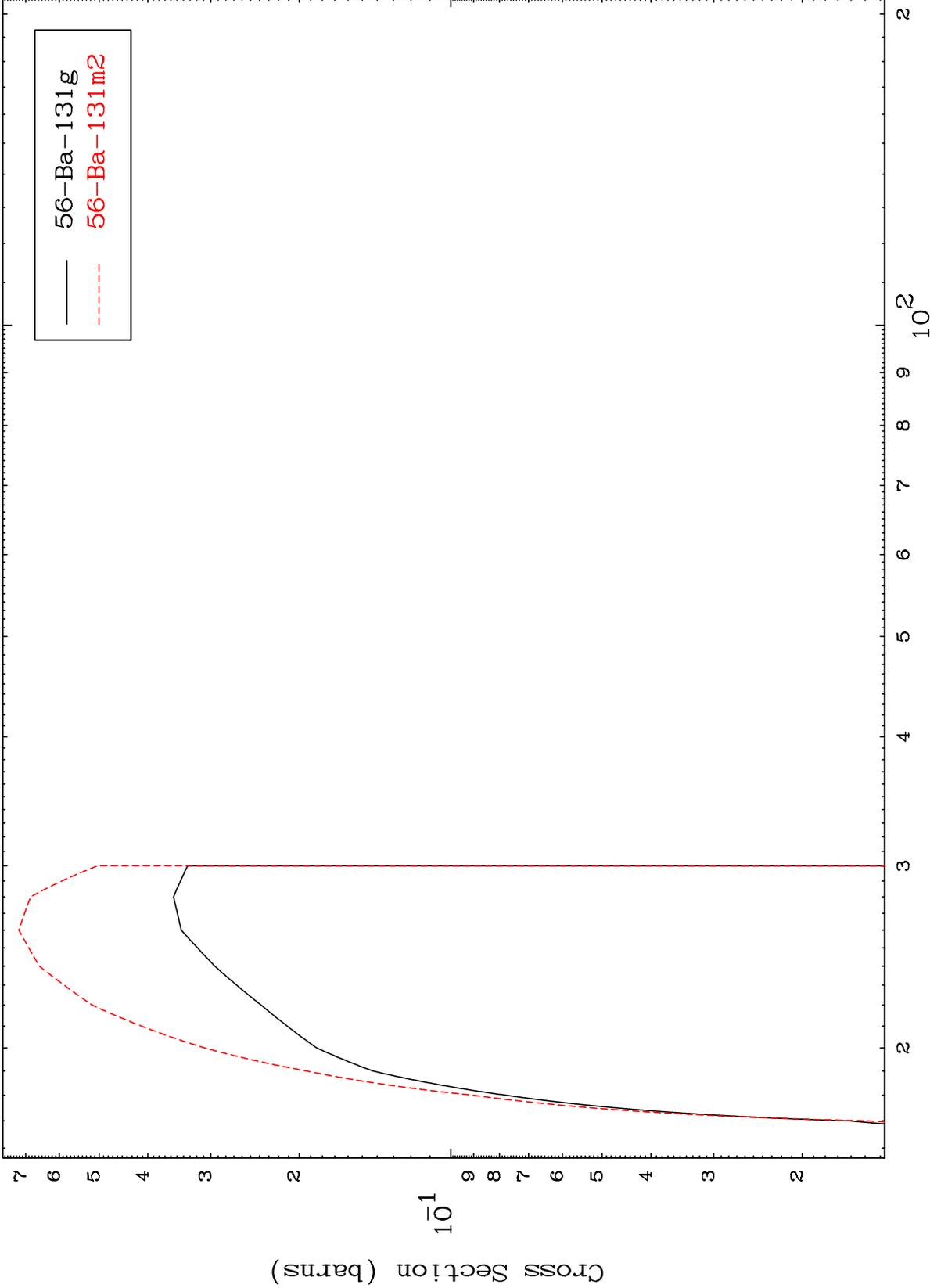
54-Xe-129

MAT 5440

(n,2n)

54-Xe-129

Radionuclide Production Cross Section



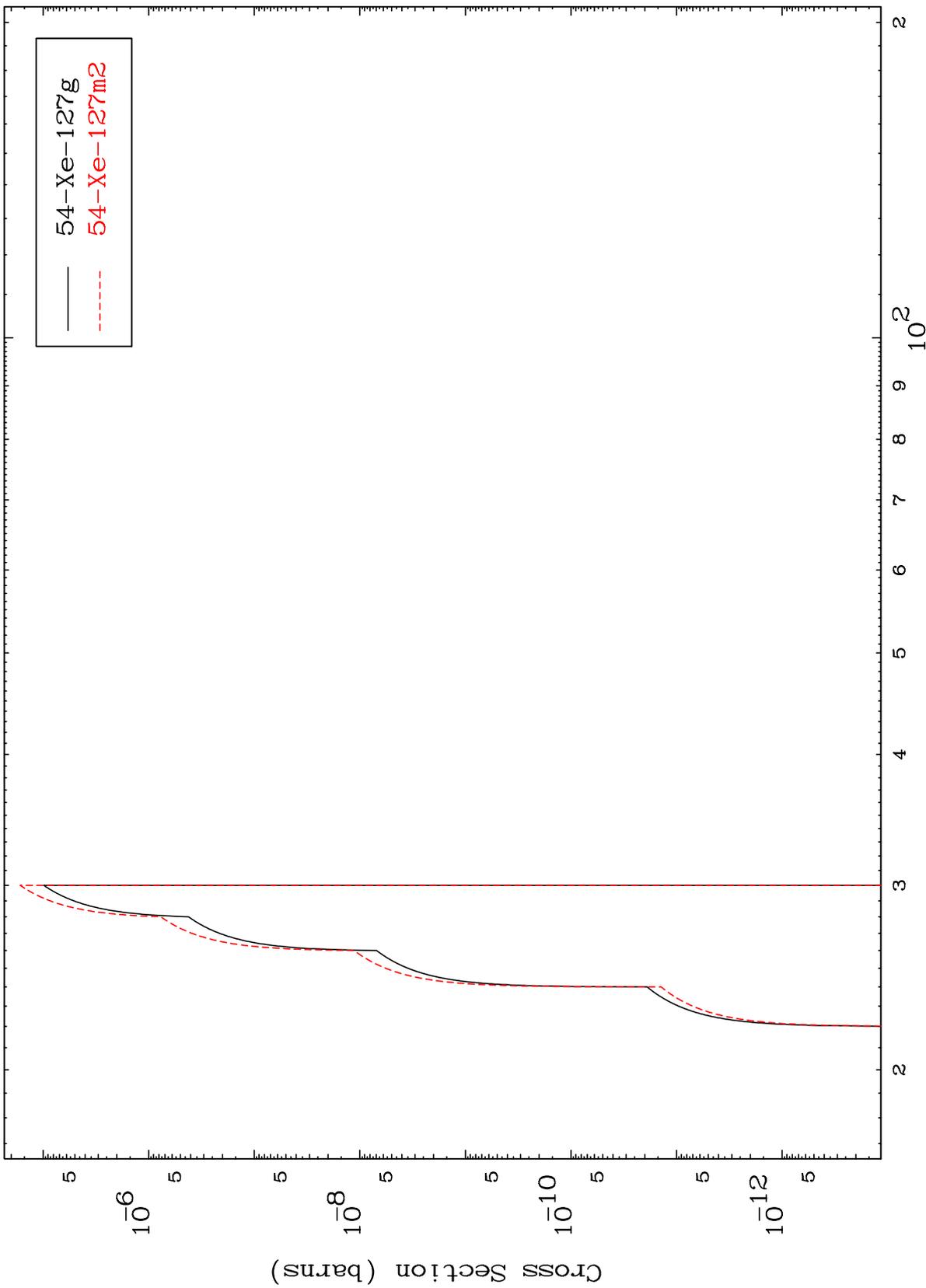
56-Ba-131g
56-Ba-131m2

MAT 5440

$(n,2n) \alpha$

54-Xe-129

Radionuclide Production Cross Section



12

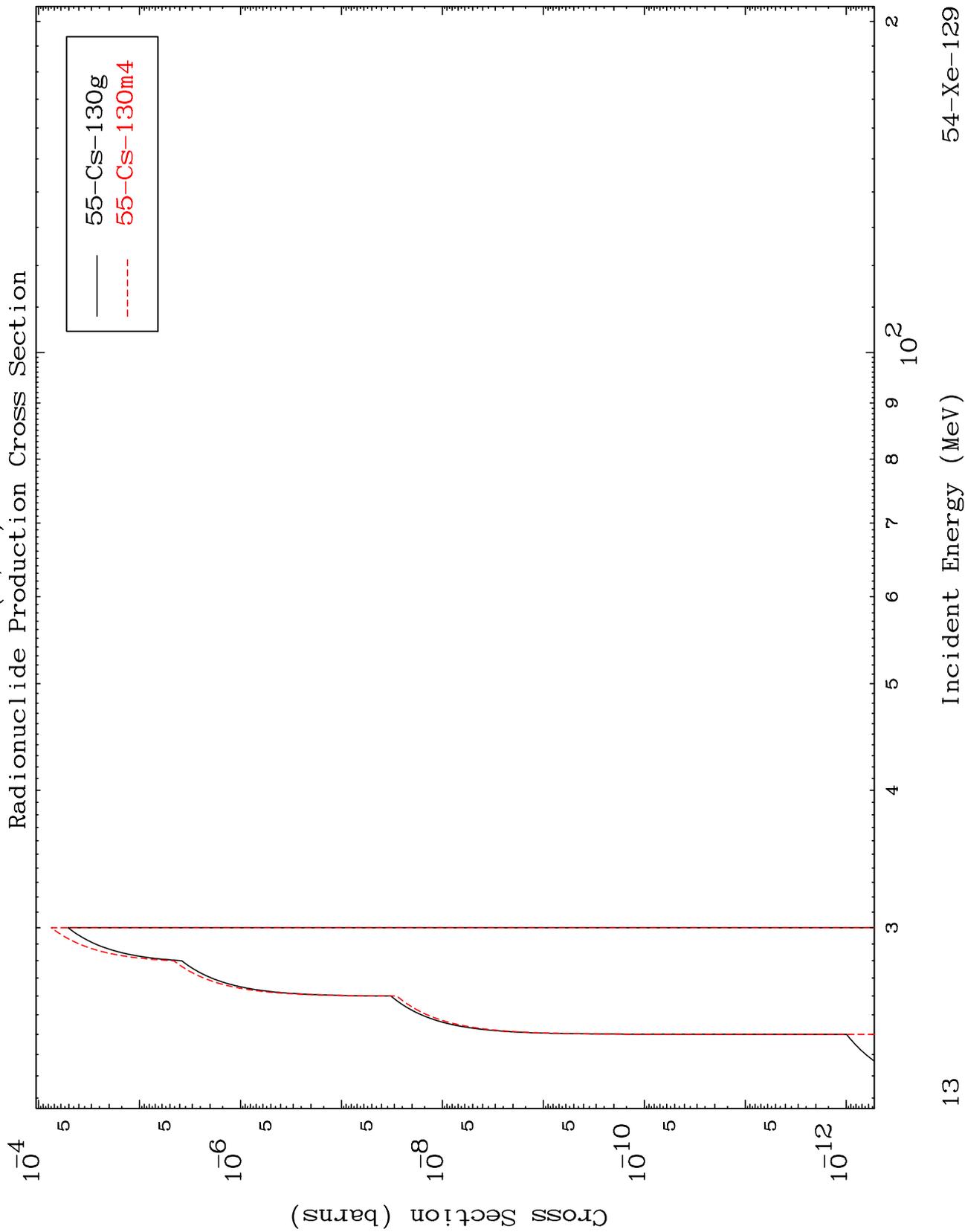
Incident Energy (MeV)

54-Xe-129

MAT 5440

(n,n') d

54-Xe-129



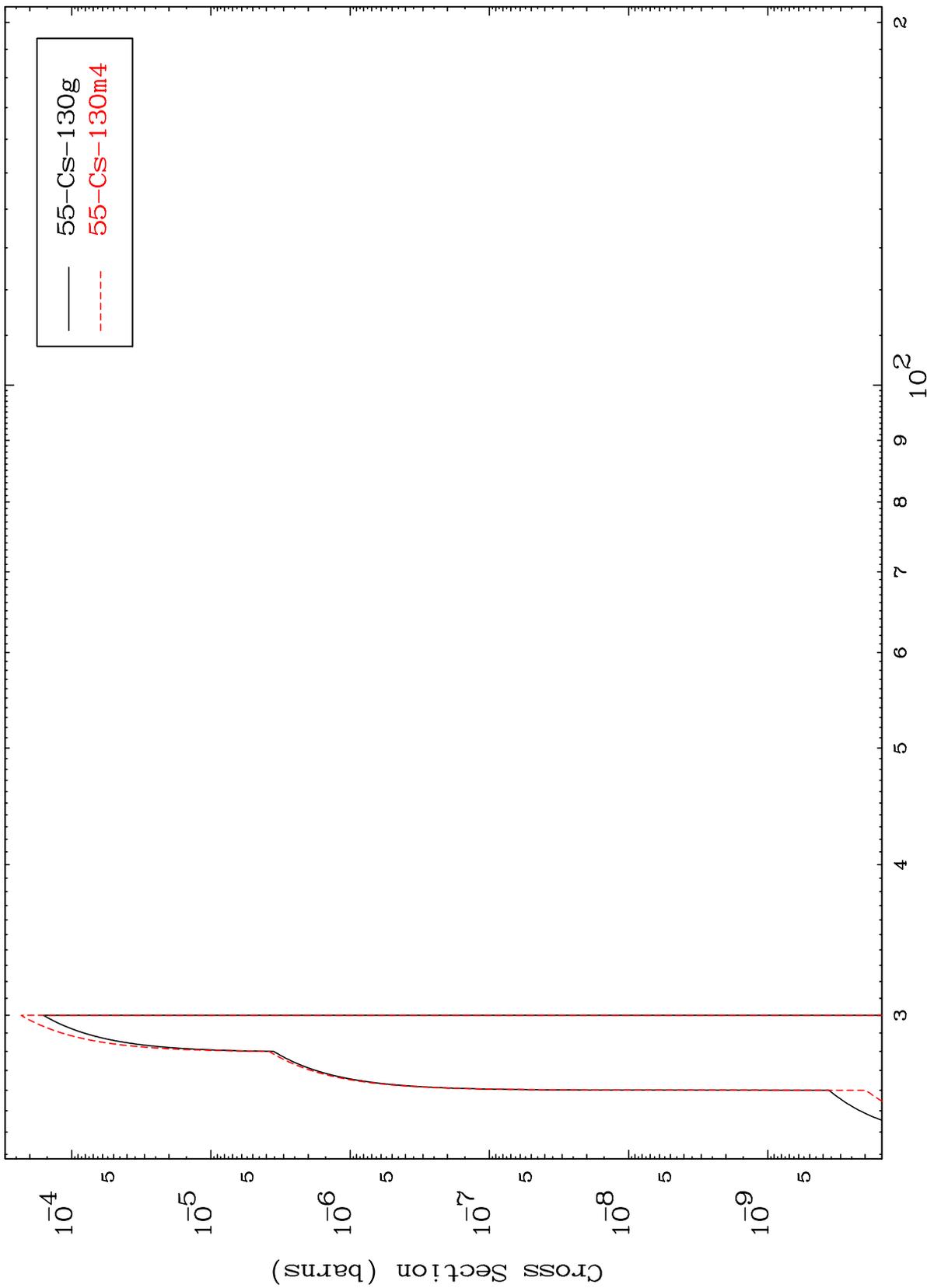
13

54-Xe-129

MAT 5440

54-Xe-129

(n,2n) p
Radionuclide Production Cross Section



54-Xe-129

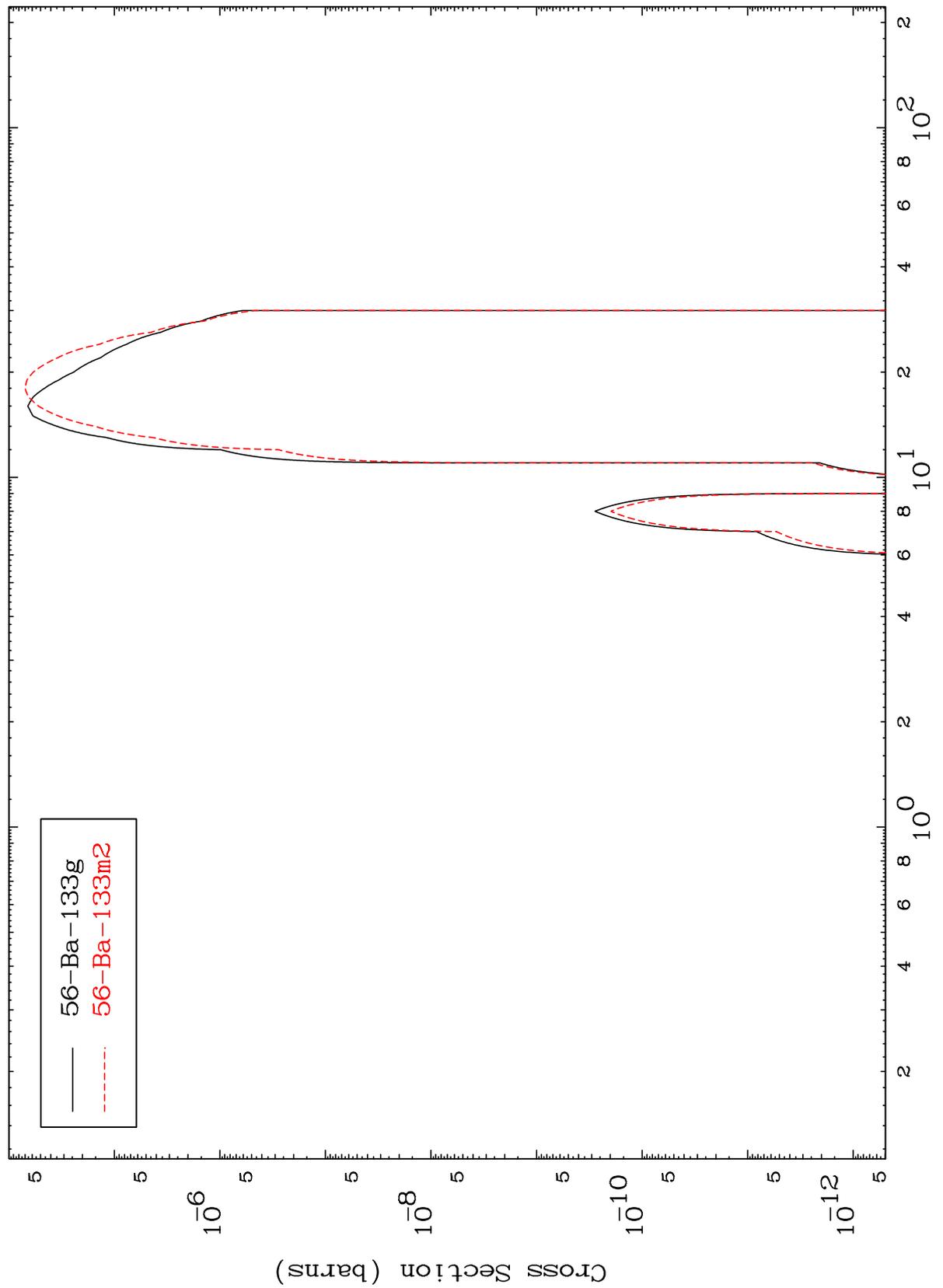
Incident Energy (MeV)

14

MAT 5440

54-Xe-129

(n, γ)
Radionuclide Production Cross Section



— 56-Ba-133g
- - - 56-Ba-133m2

54-Xe-129

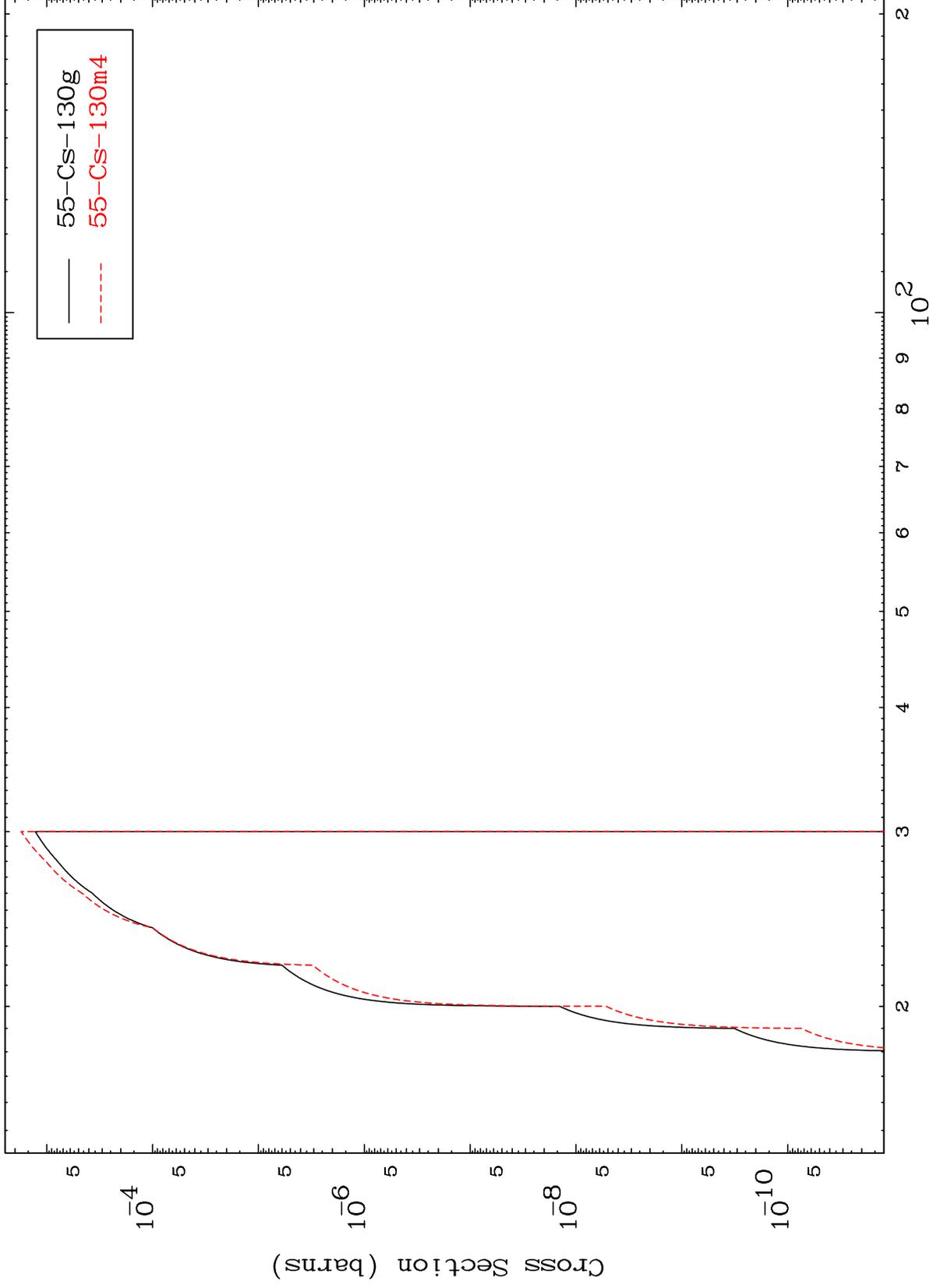
Incident Energy (MeV)

15

MAT 5440

54-Xe-129

(n,t)
Radionuclide Production Cross Section



16

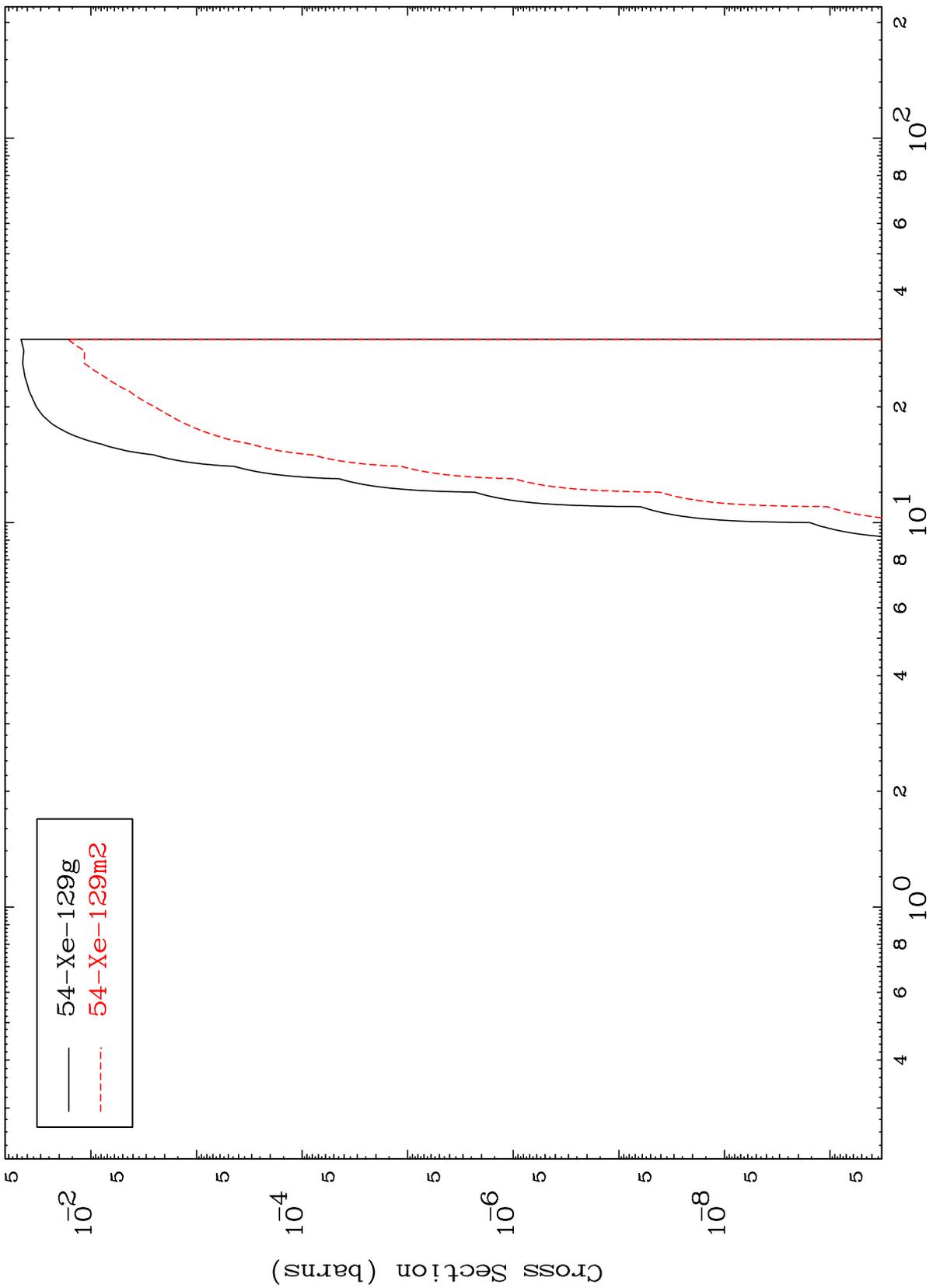
54-Xe-129

Incident Energy (MeV)

MAT 5440

54-Xe-129

Radionuclide Production Cross Section
(n, α)



— 54-Xe-129g
- - - 54-Xe-129m2

54-Xe-129

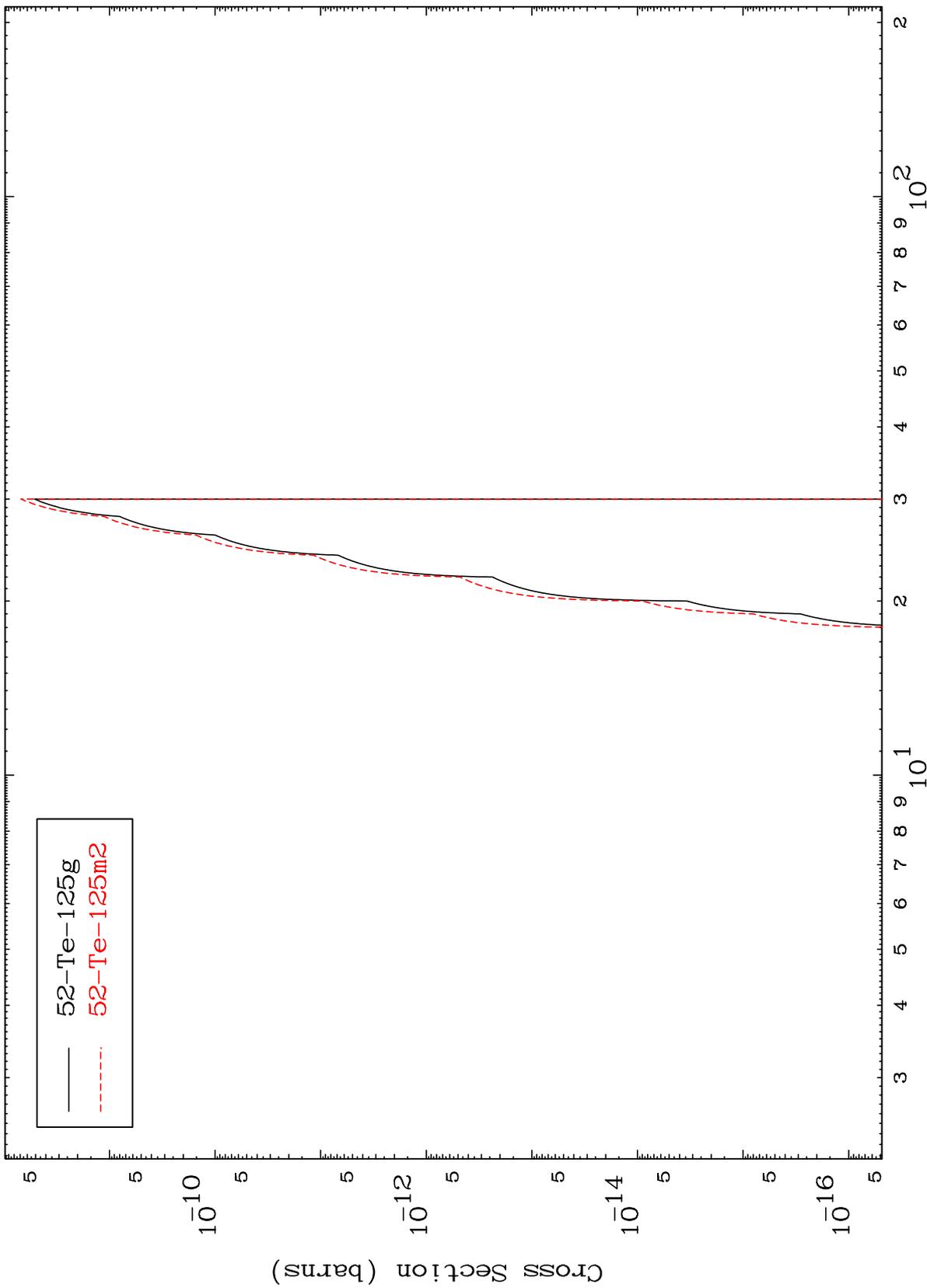
Incident Energy (MeV)

17

MAT 5440

54-Xe-129

(n,2 α)
Radionuclide Production Cross Section



54-Xe-129

Incident Energy (MeV)

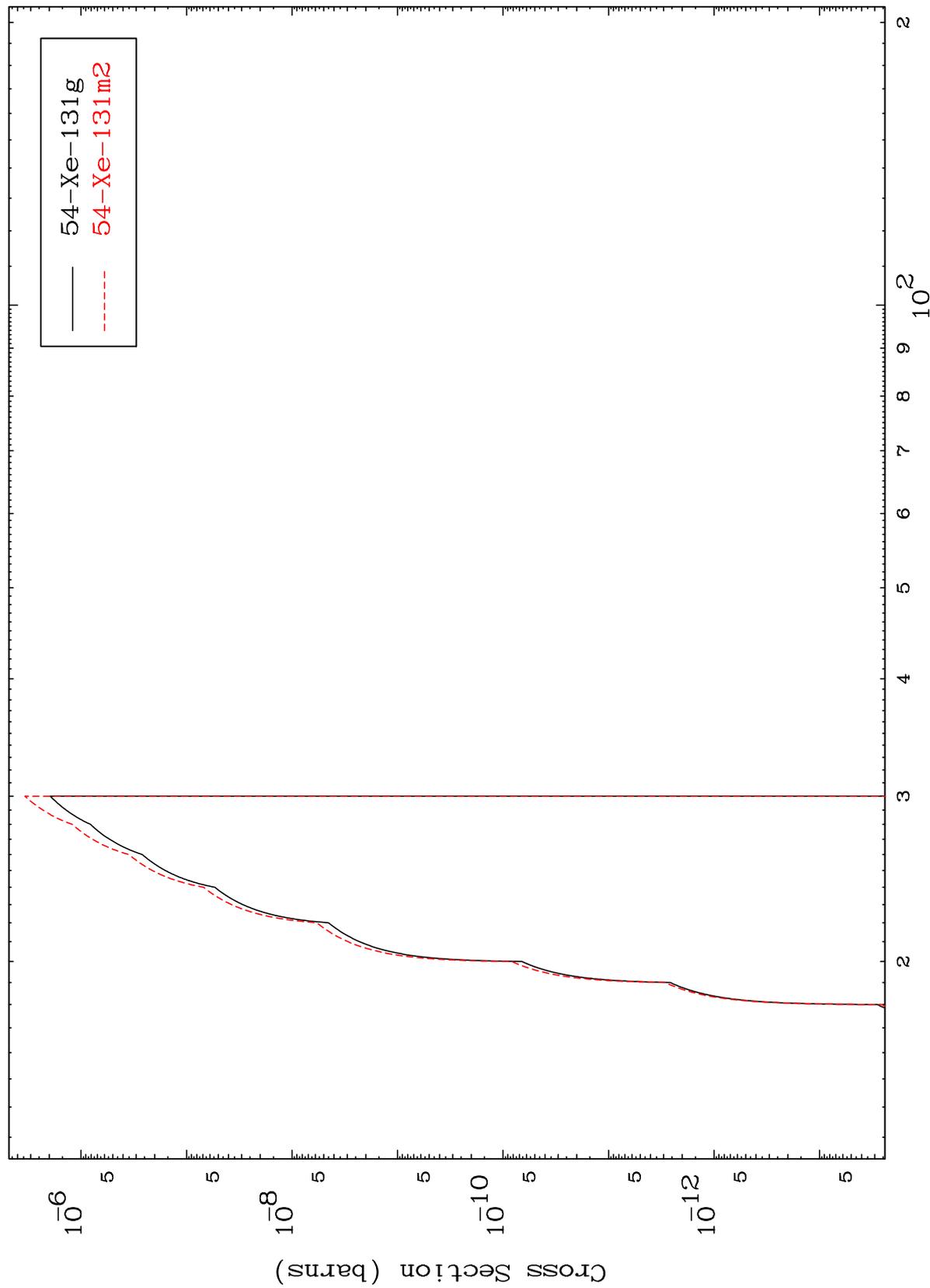
18

MAT 5440

54-Xe-129

(n,2p)

Radionuclide Production Cross Section



54-Xe-131g
54-Xe-131m2

19

Incident Energy (MeV)

54-Xe-129