

Program EVALPLOT
(Version 2021-1)

by

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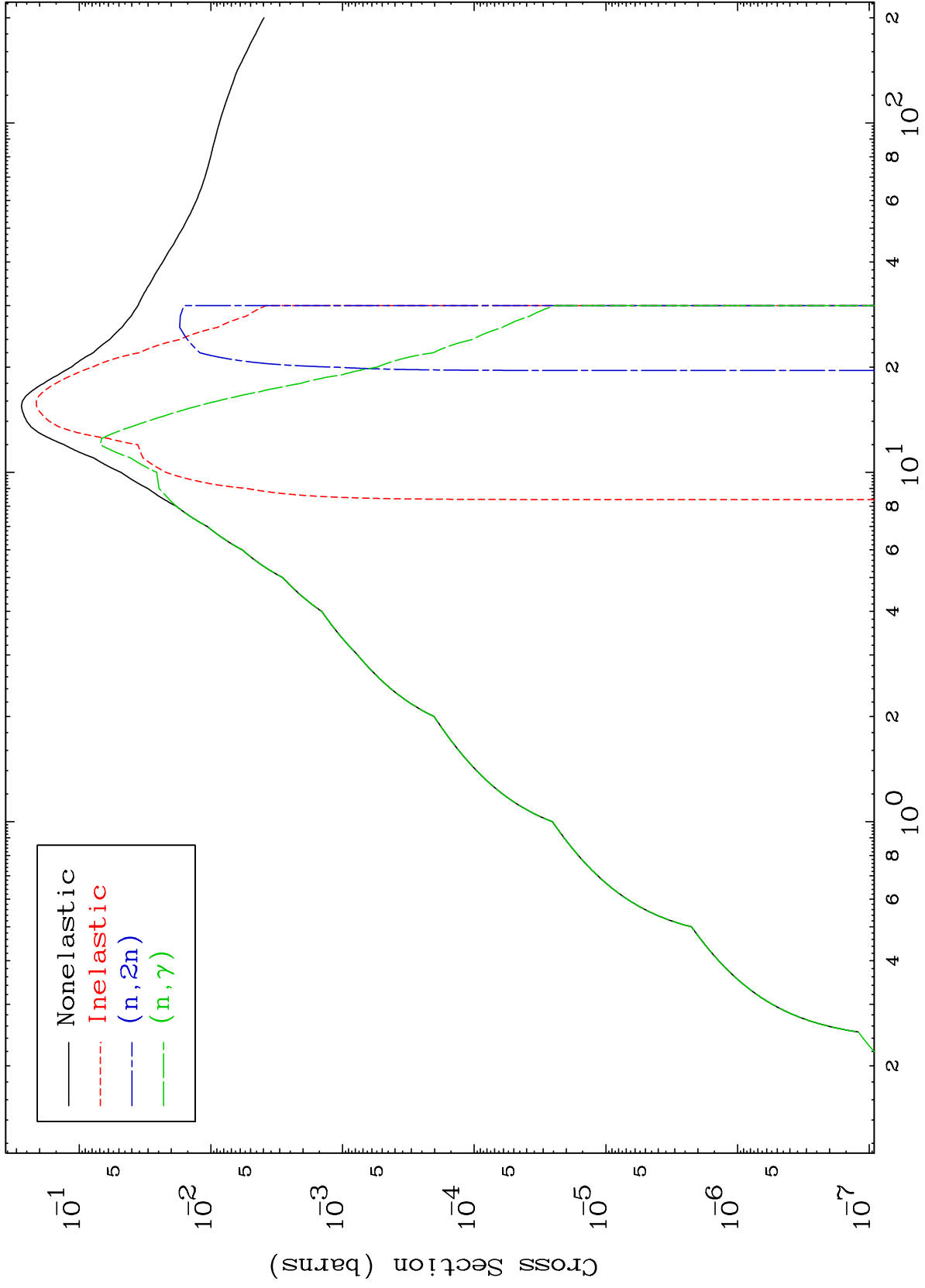
Press Mouse Button to Start

MAT 5810

Photon Major

58-Ce-131

0 Kelvin Cross Sections



Legend:
— Nonelastic
- - - Inelastic
- · - (n, 2n)
- - - (n, γ)

1

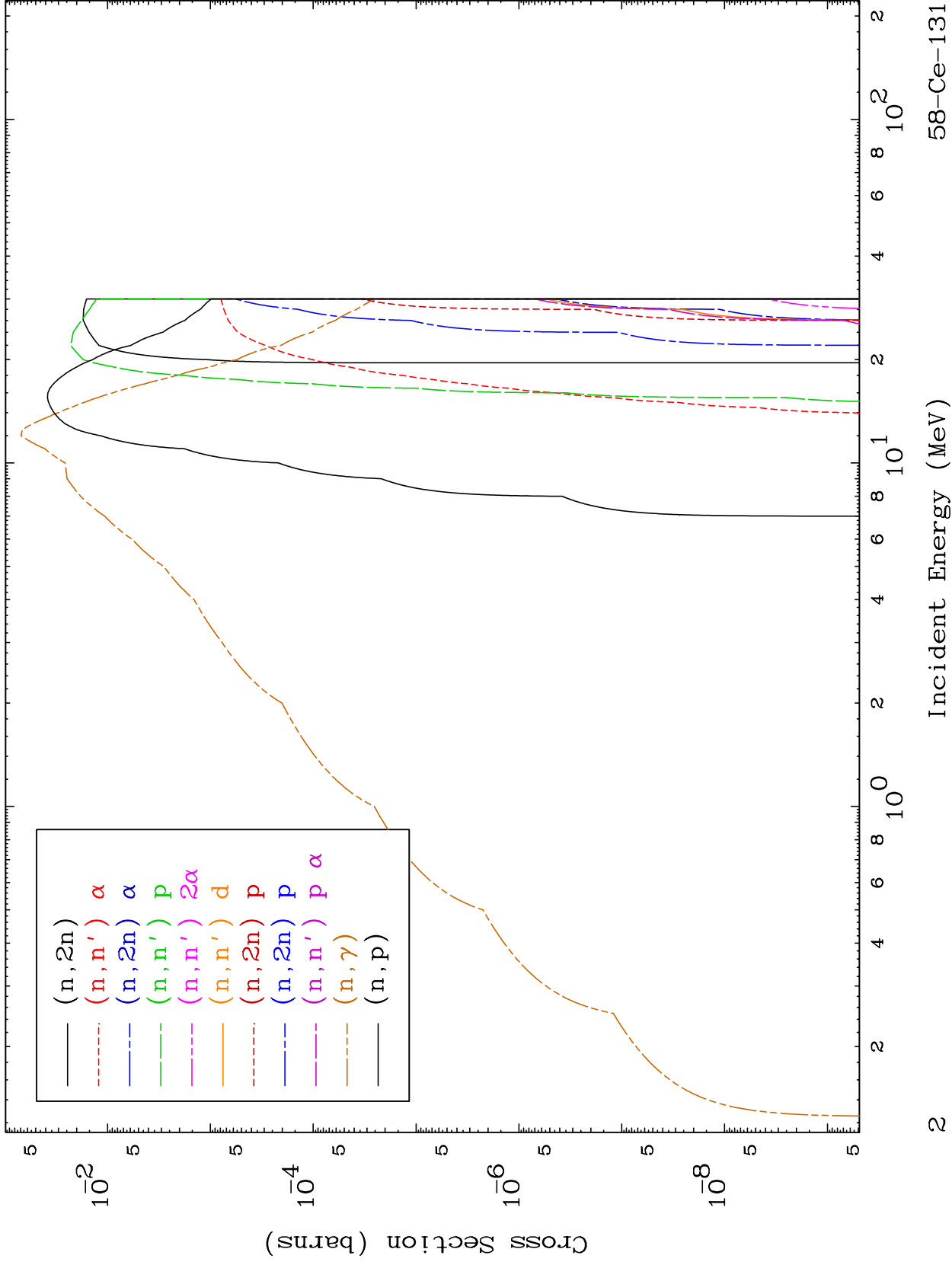
Incident Energy (MeV)

58-Ce-131

MAT 5810

Photon Neutron Absorption
0 Kelvin Cross Sections

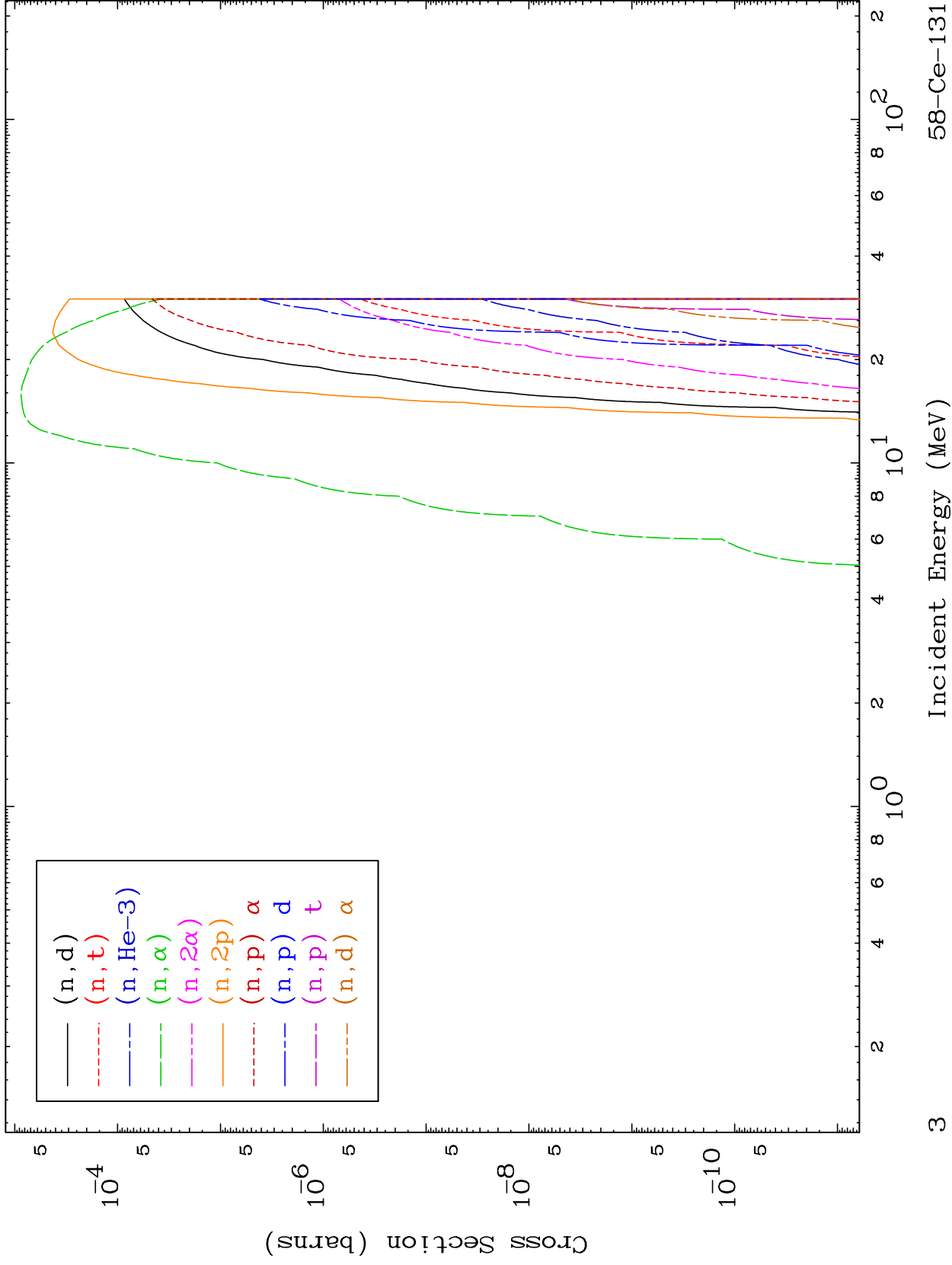
58-Ce-131

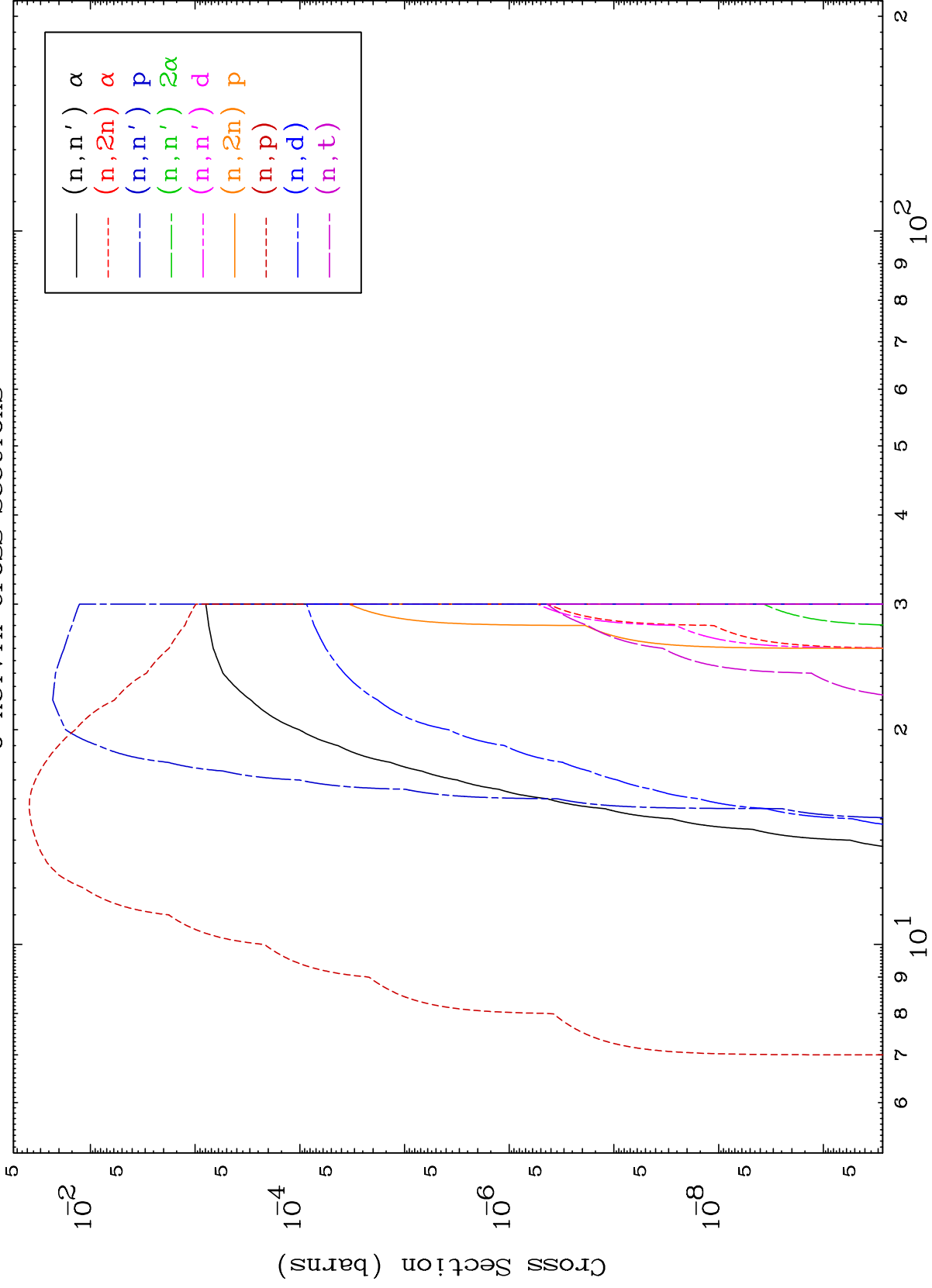


MAT 5810

Photon Neutron Absorption
0 Kelvin Cross Sections

58-Ce-131

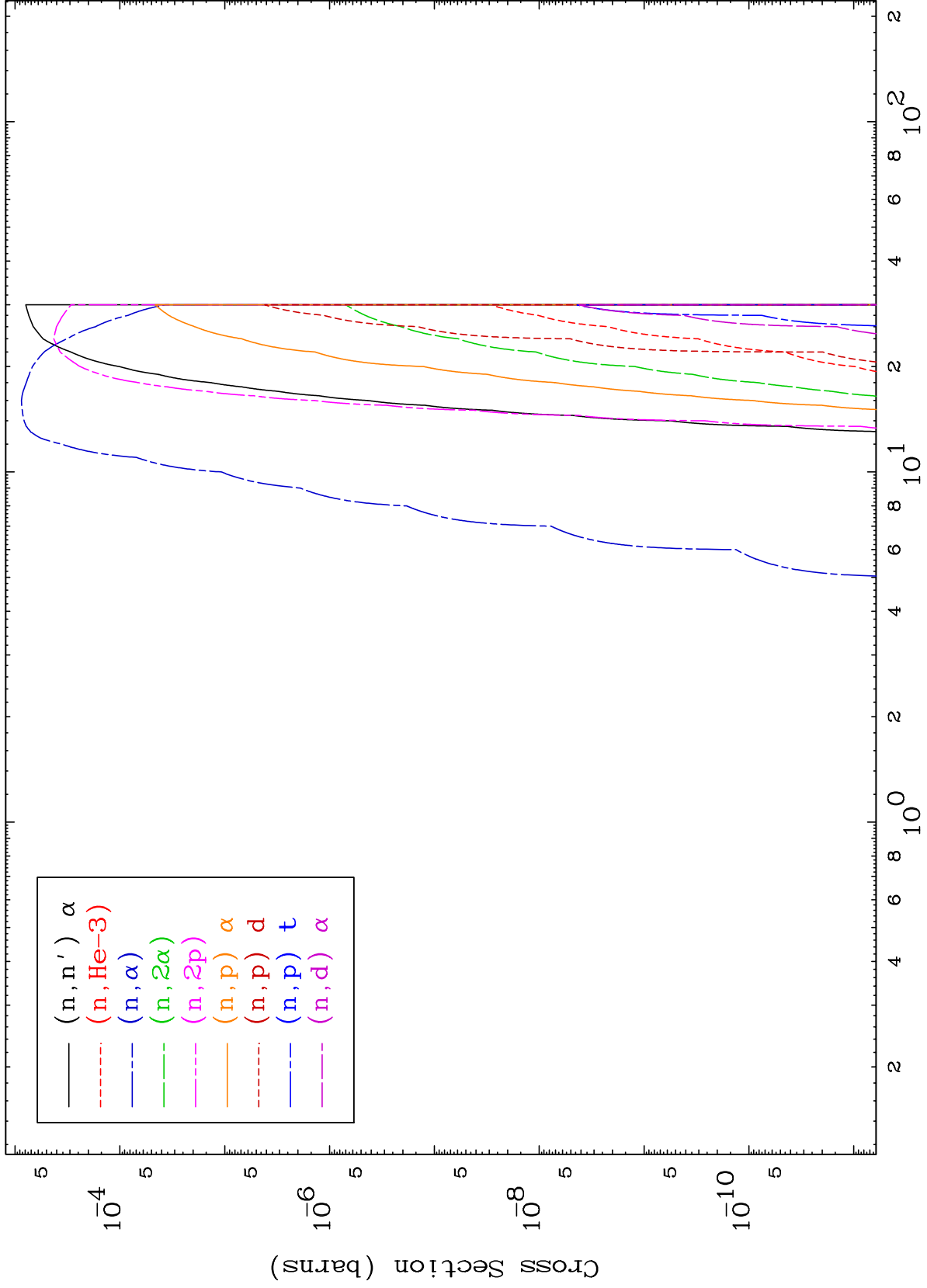




MAT 5810

Photon Charged Particle
0 Kelvin Cross Sections

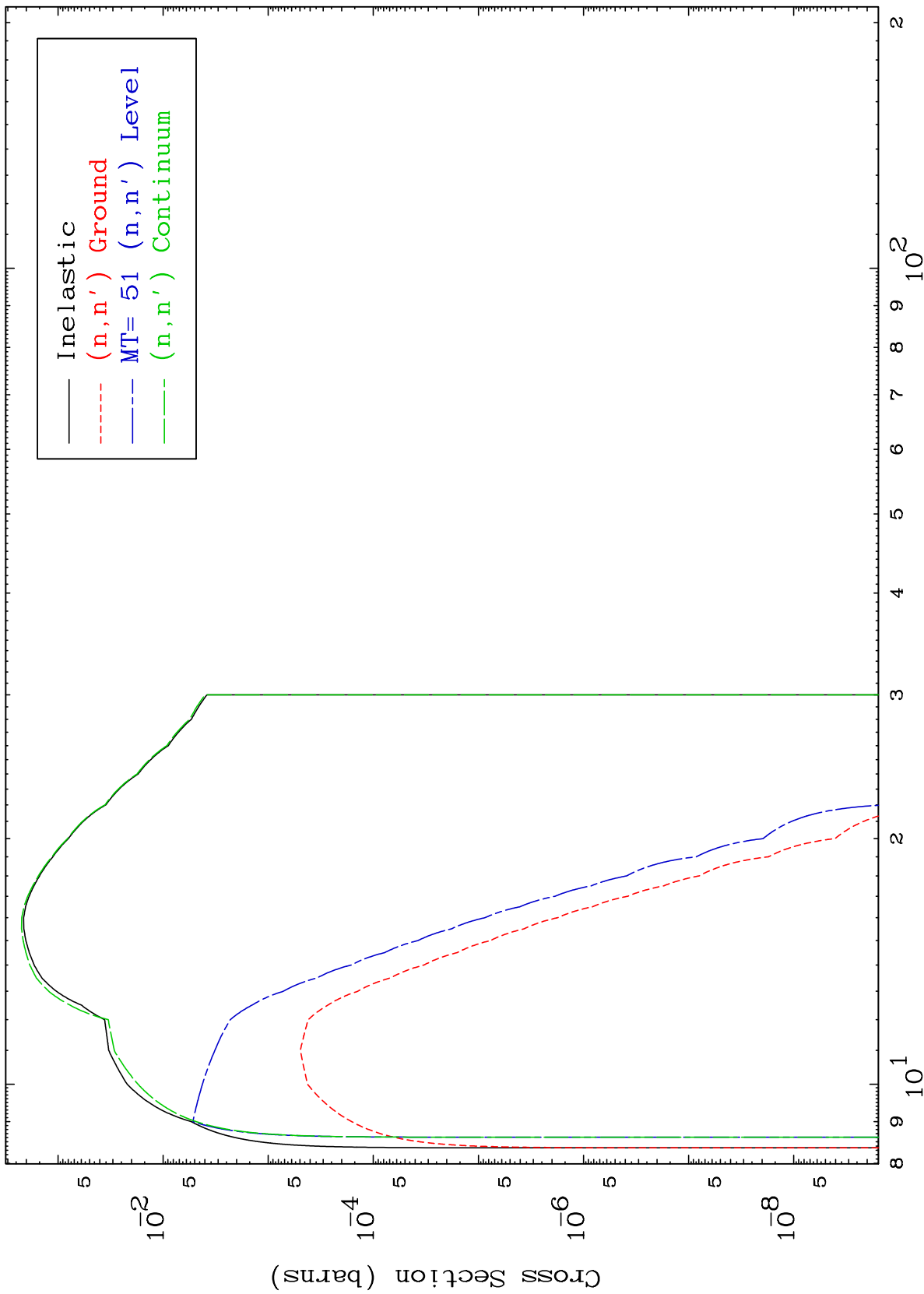
58-Ce-131



MAT 5810

58-Ce-131

(γ, n') Levels
0 Kelvin Cross Sections



58-Ce-131

Incident Energy (MeV)

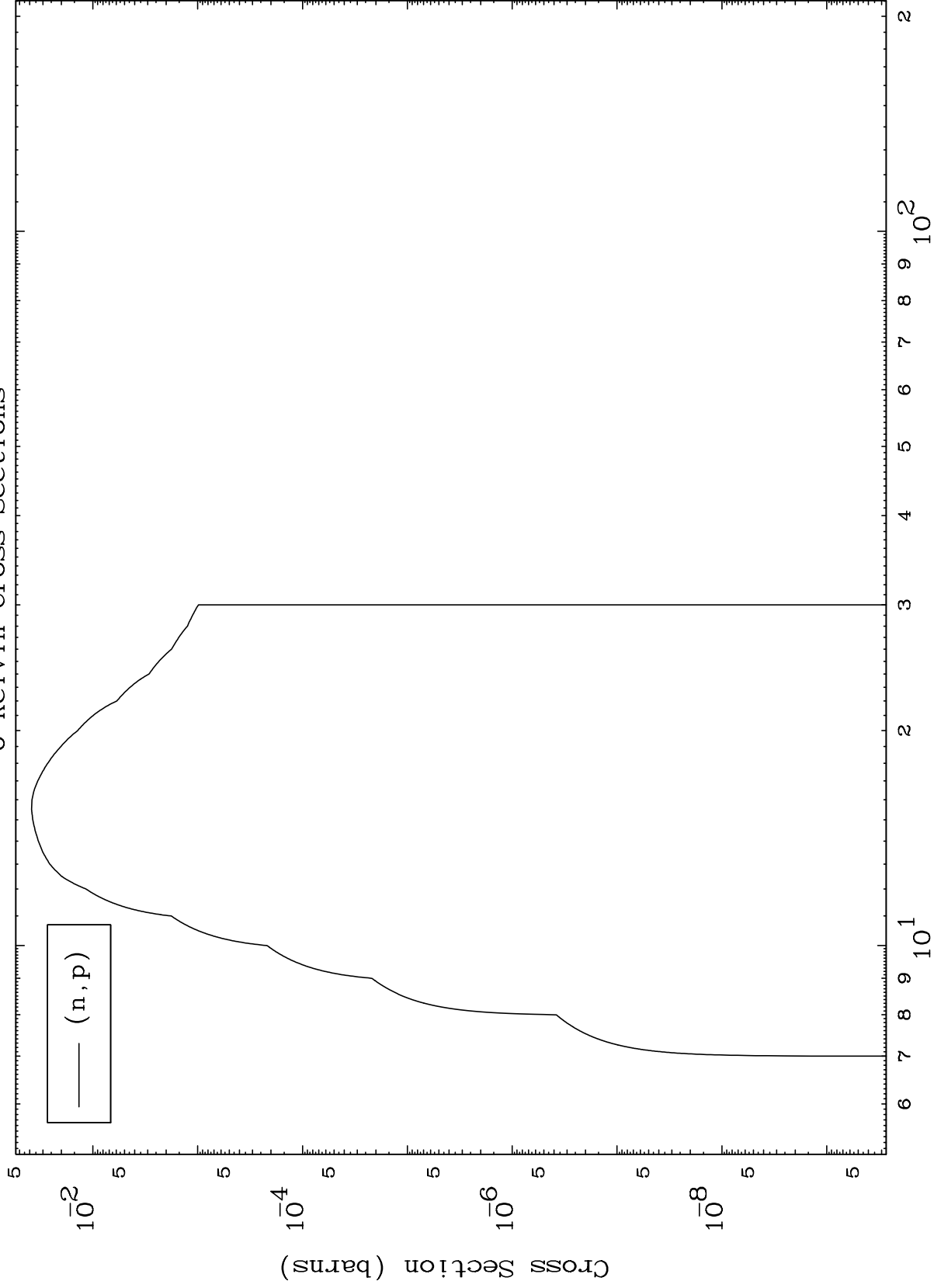
6

MAT 5810

(γ, p) Levels

58-Ce-131

0 Kelvin Cross Sections



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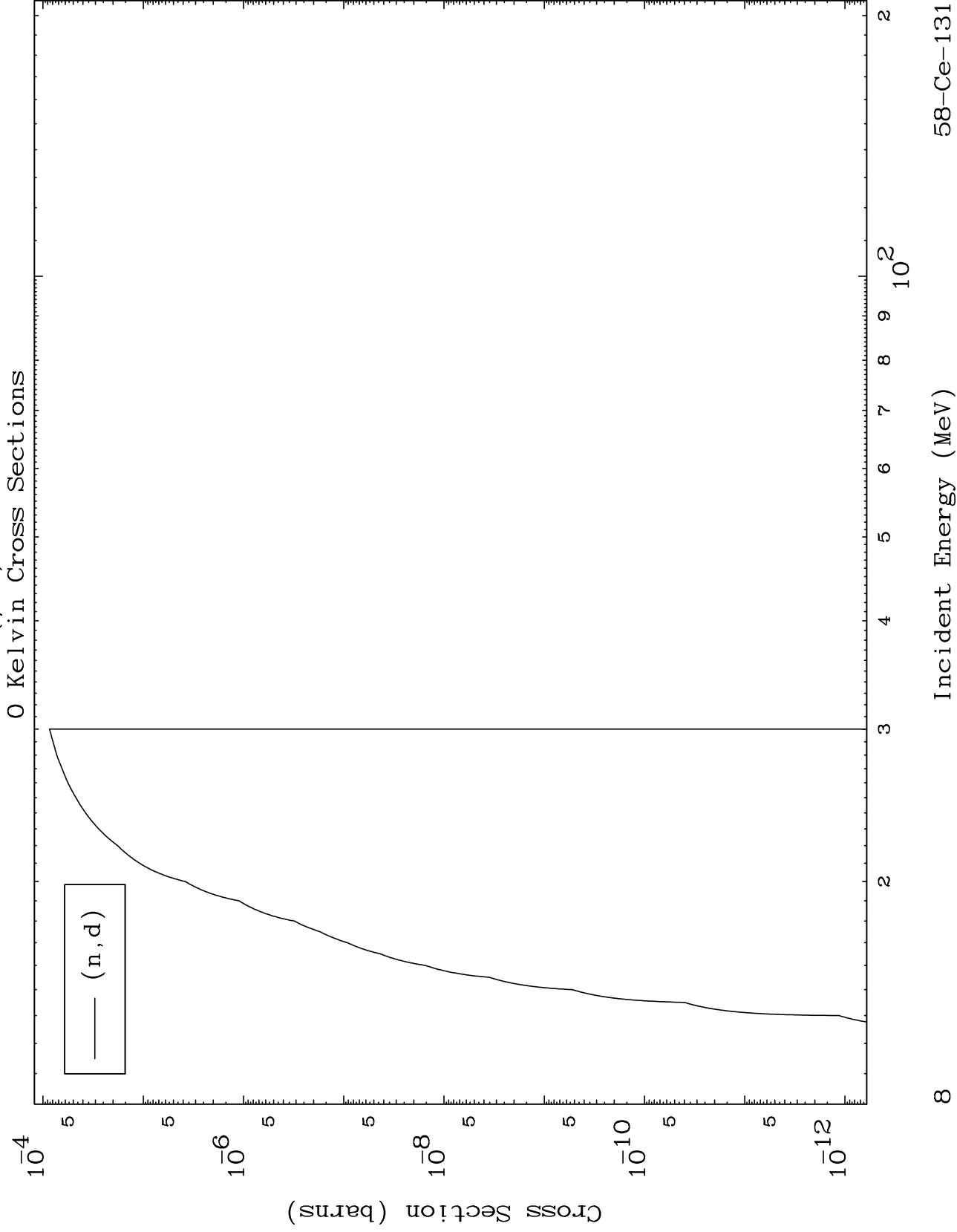
Incident Energy (MeV)

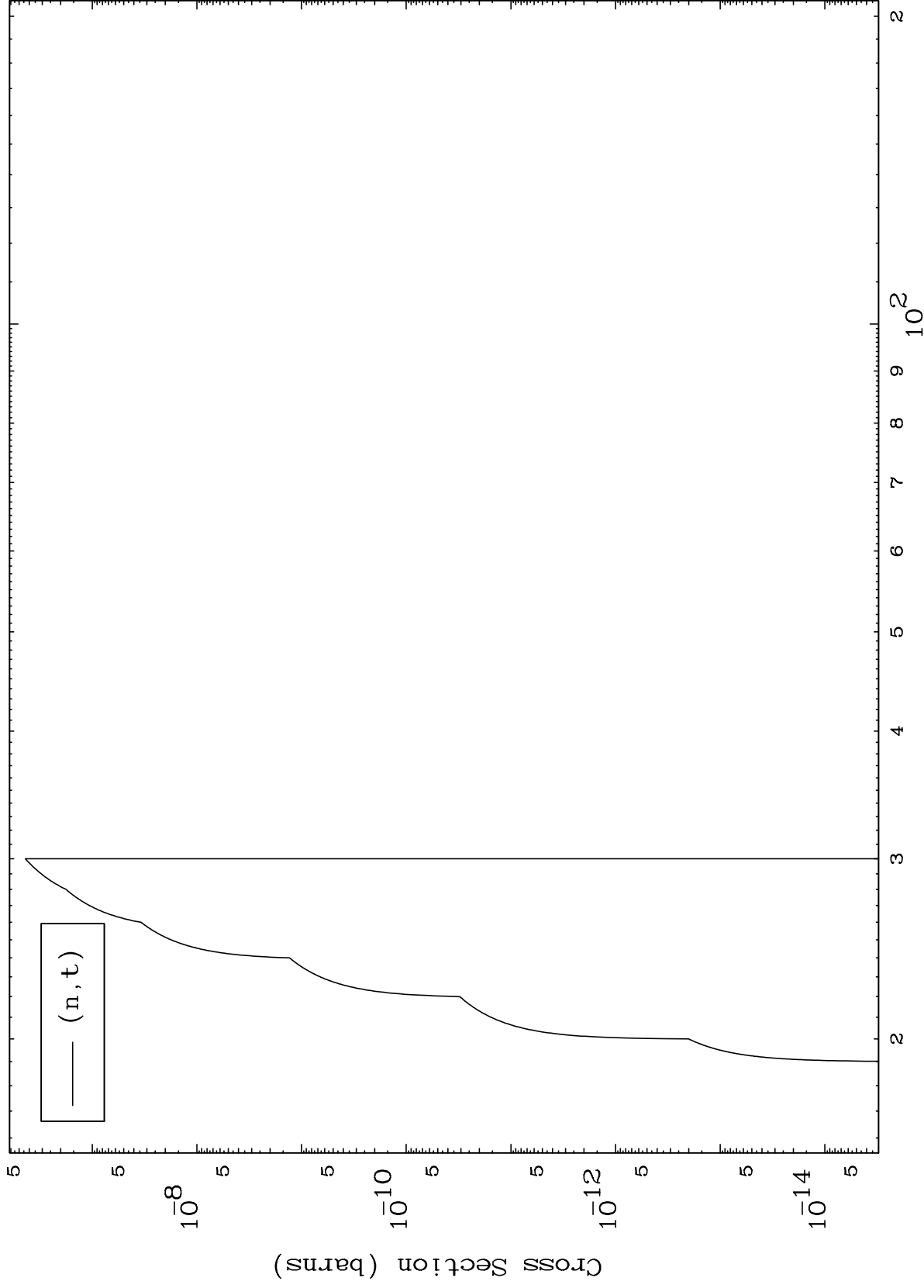
58-Ce-131

MAT 5810

(γ, d) Levels

58-Ce-131

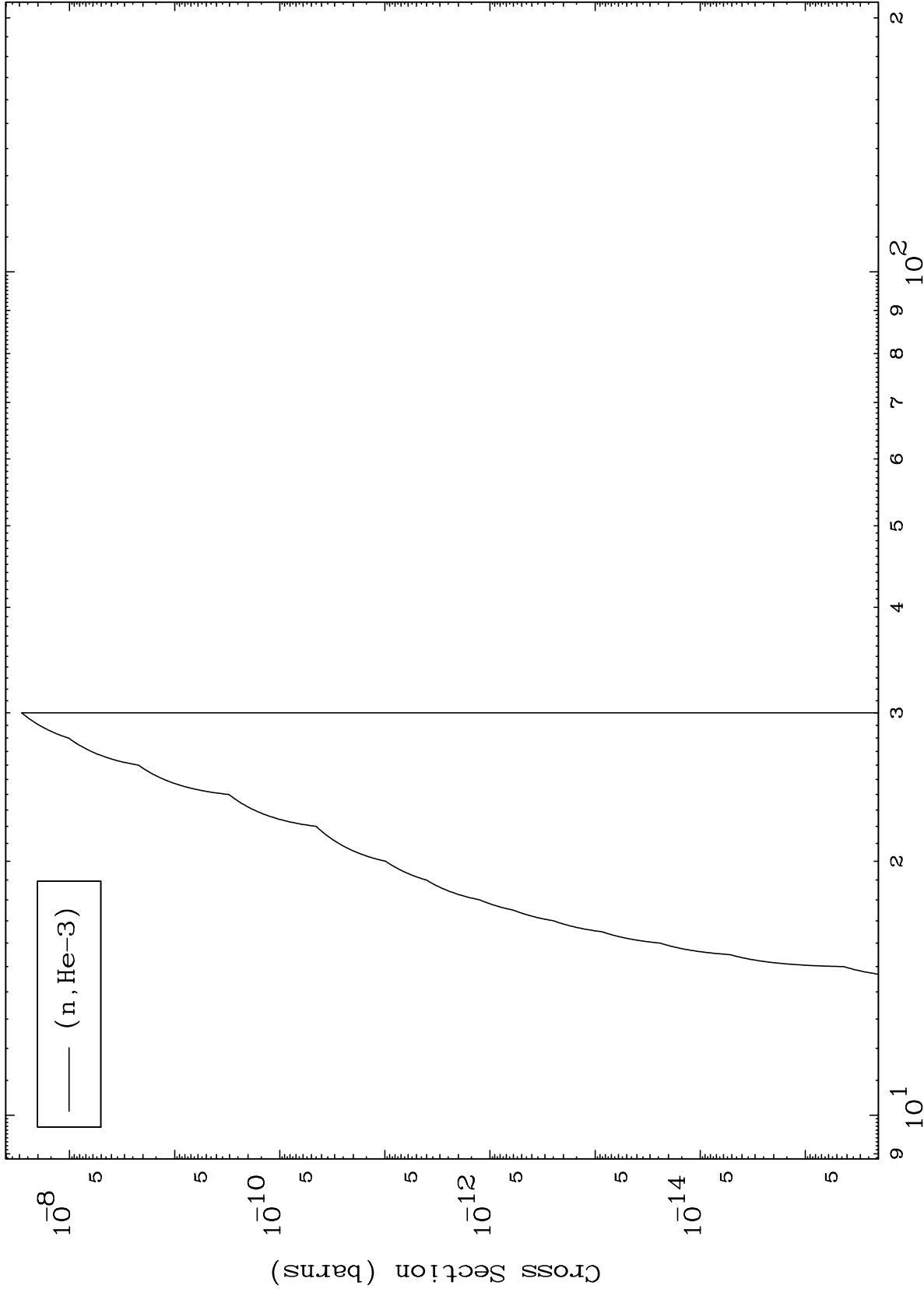




MAT 5810

58-Ce-131

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



58-Ce-131

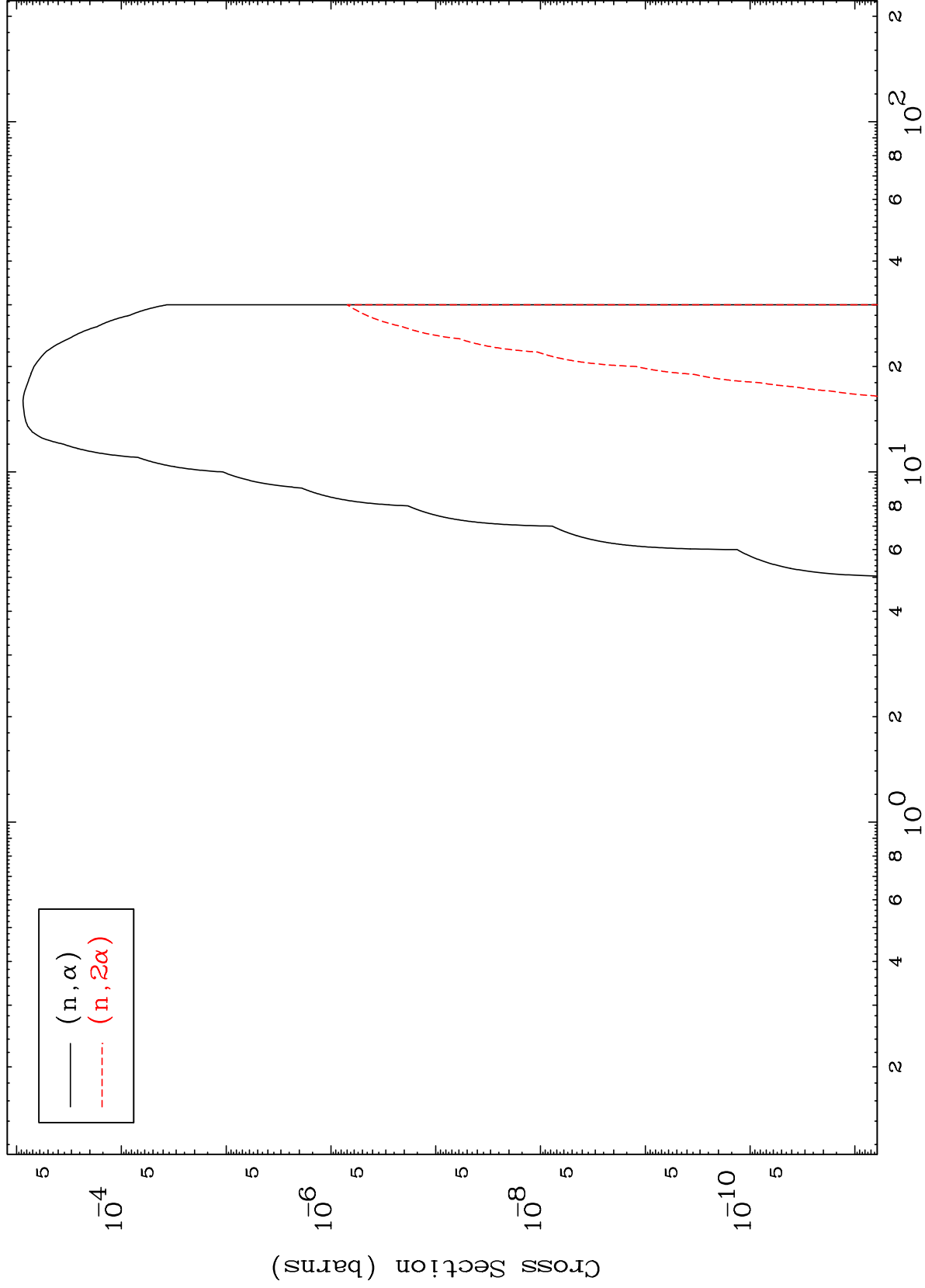
Incident Energy (MeV)

MAT 5810

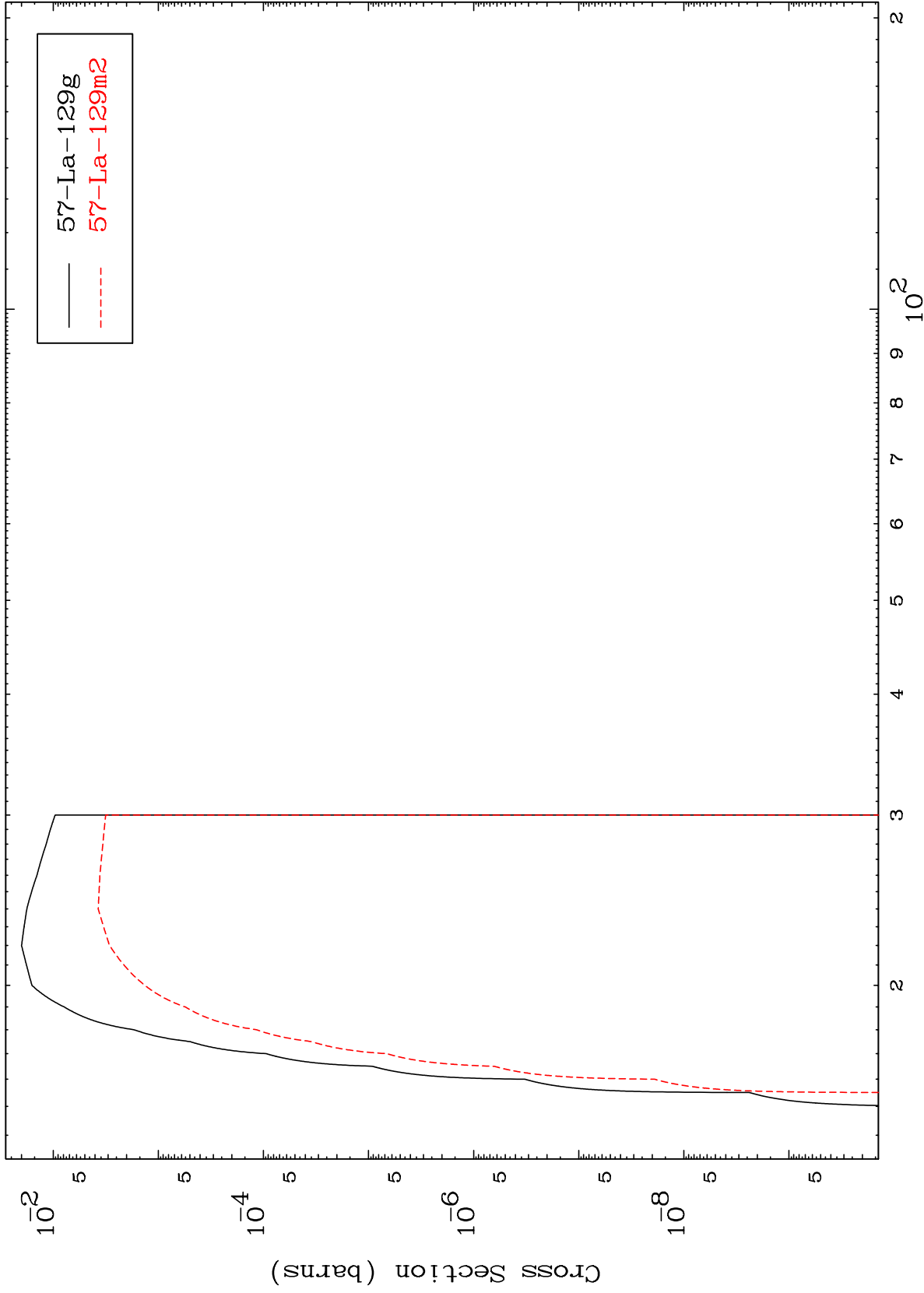
(γ, α) Levels

58-Ce-131

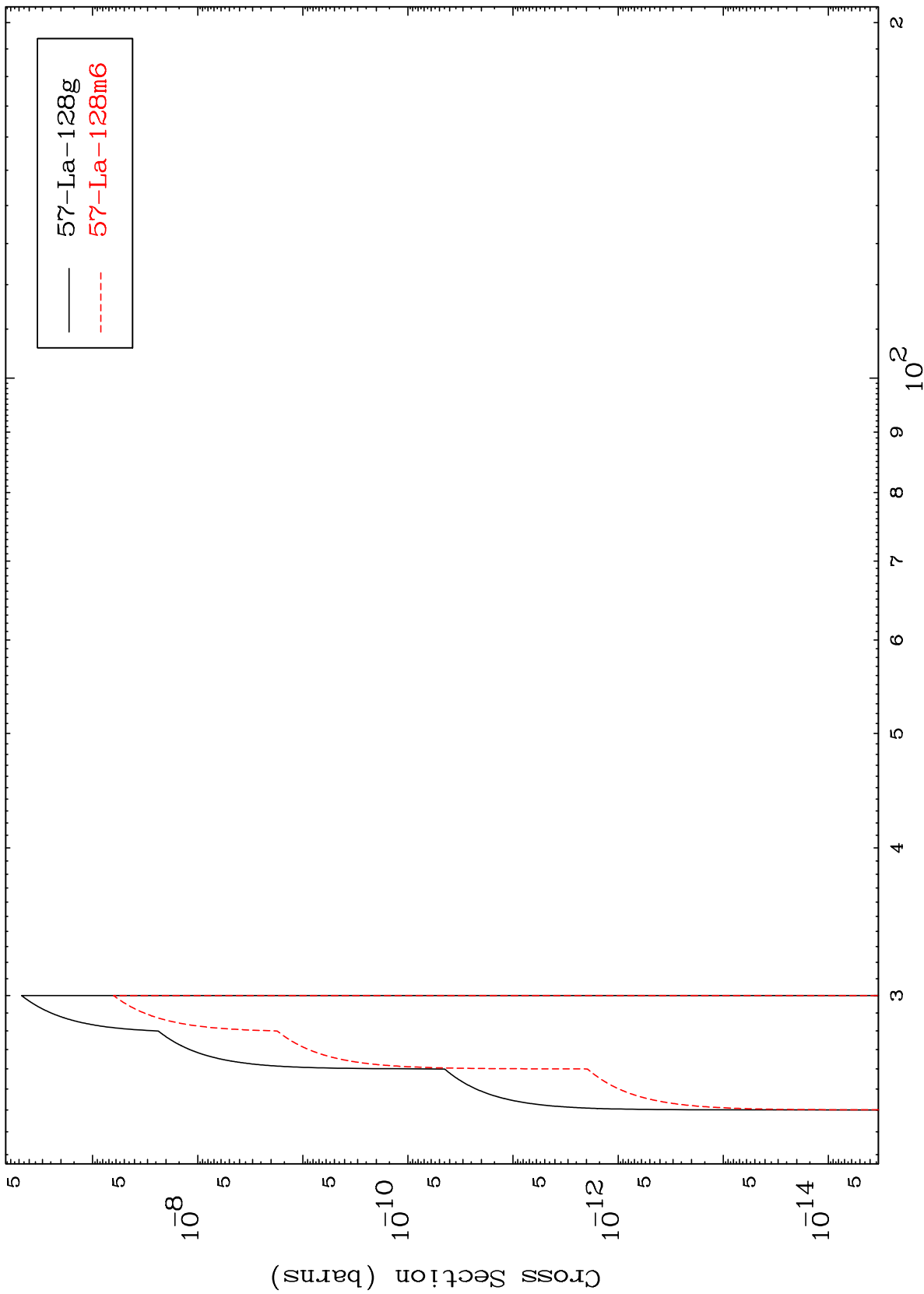
0 Kelvin Cross Sections



Radionuclide Production Cross Section



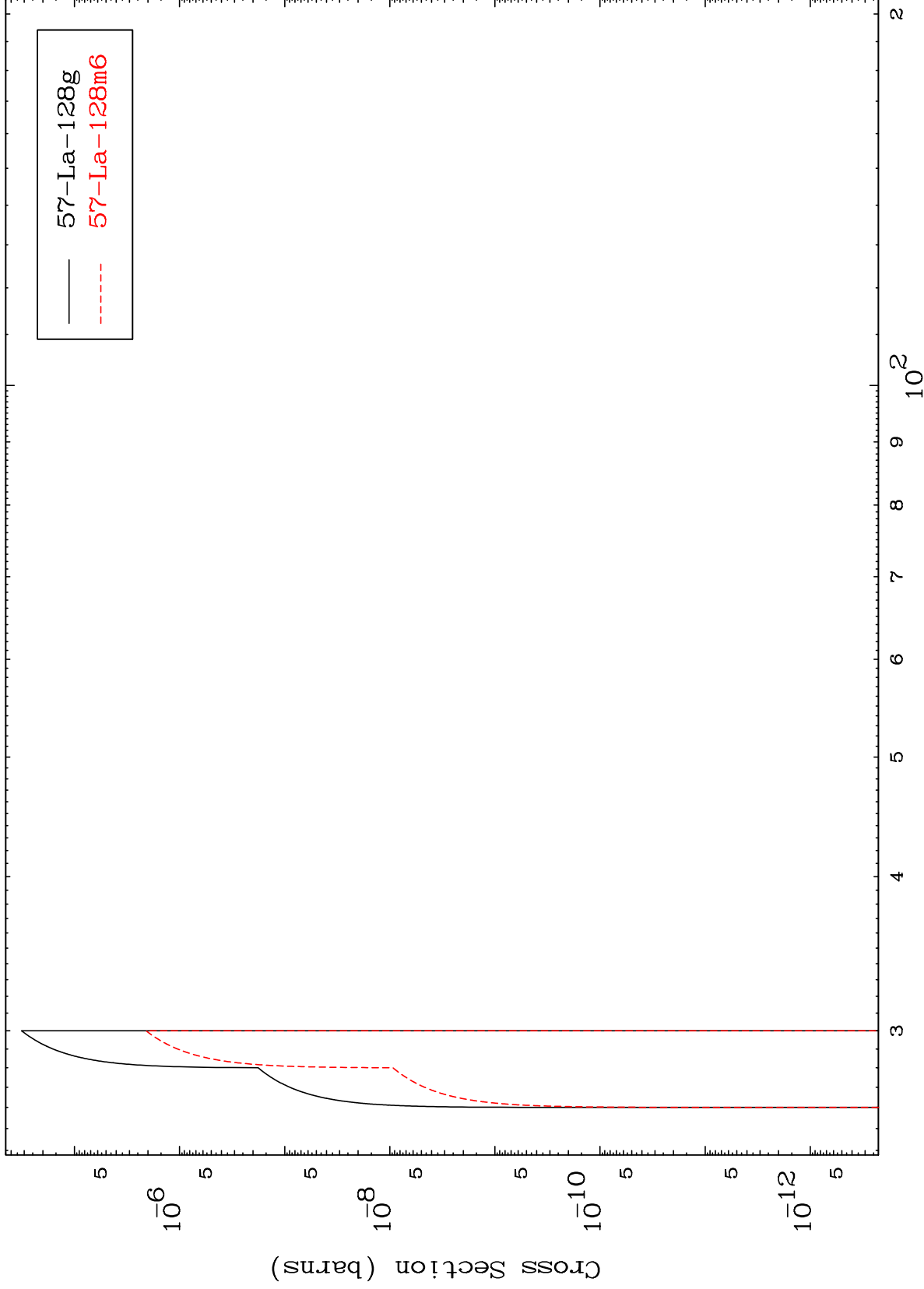
Radionuclide Production Cross Section



MAT 5810

58-Ce-131

(n,2n) p
Radionuclide Production Cross Section



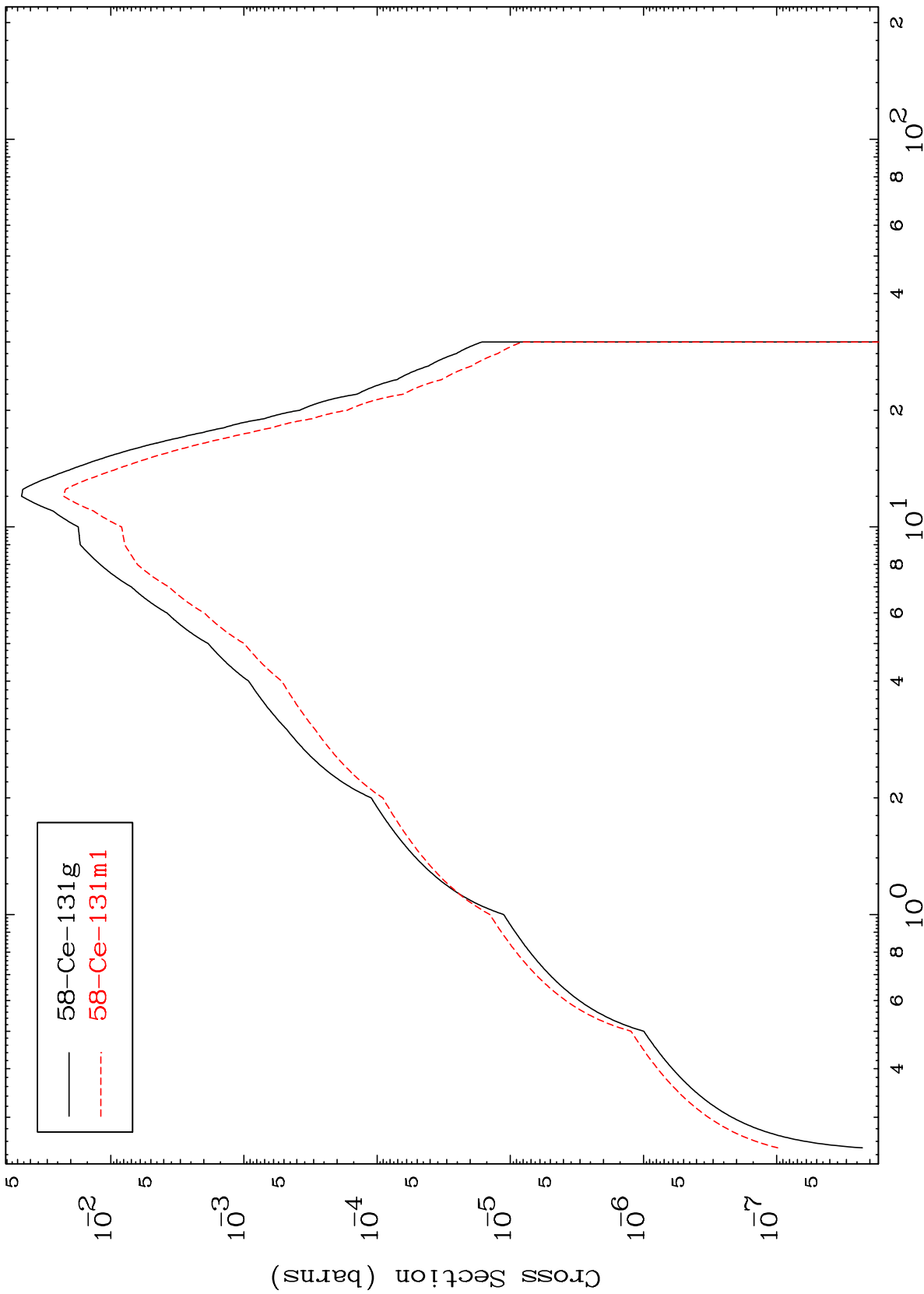
14

58-Ce-131

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58-Ce-131

Radionuclide Production Cross Section
(n, γ)



— 58-Ce-131g
- - - 58-Ce-131m1

58-Ce-131

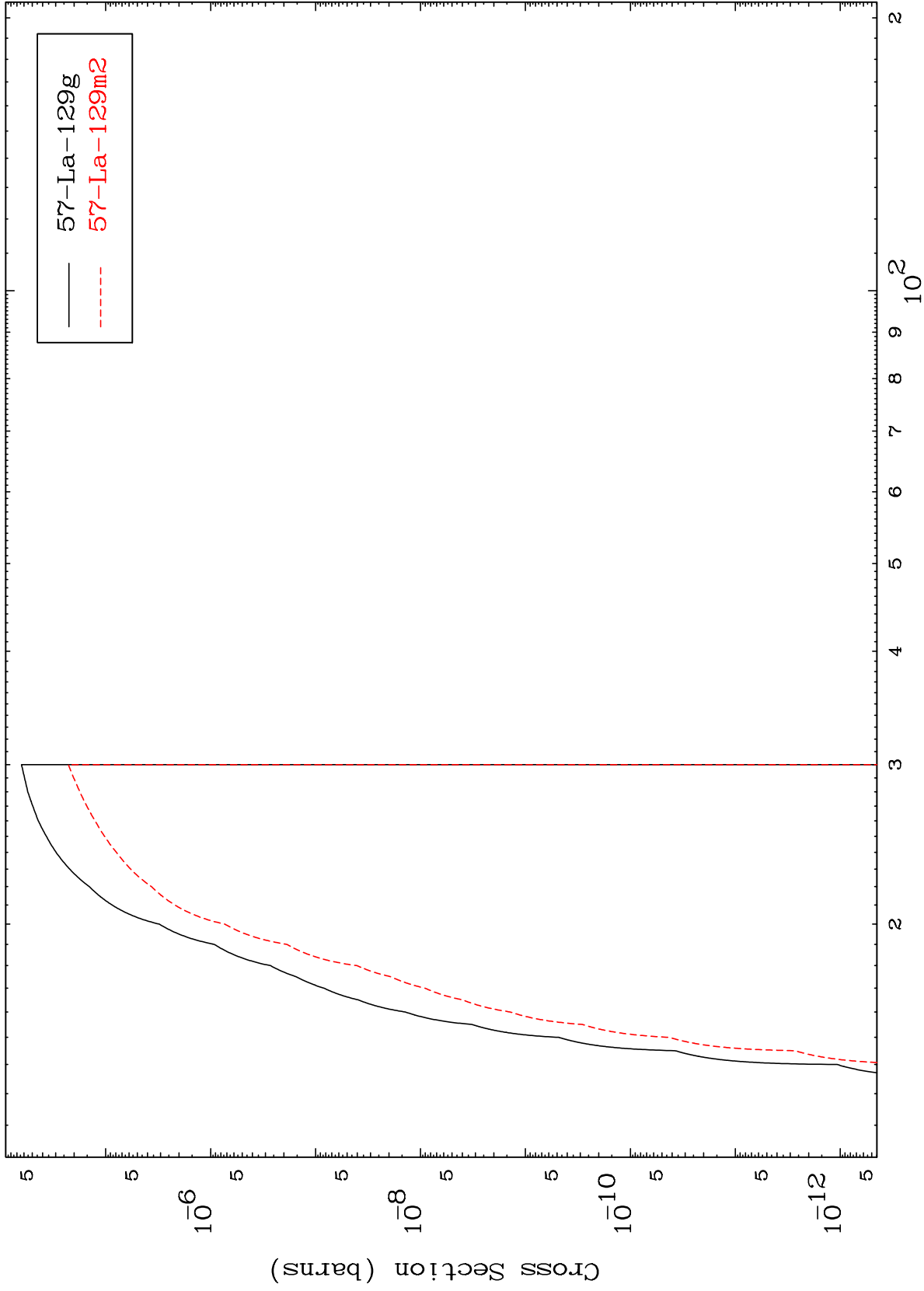
Incident Energy (MeV)

15

MAT 5810

58-Ce-131

(n,d)
Radionuclide Production Cross Section



16

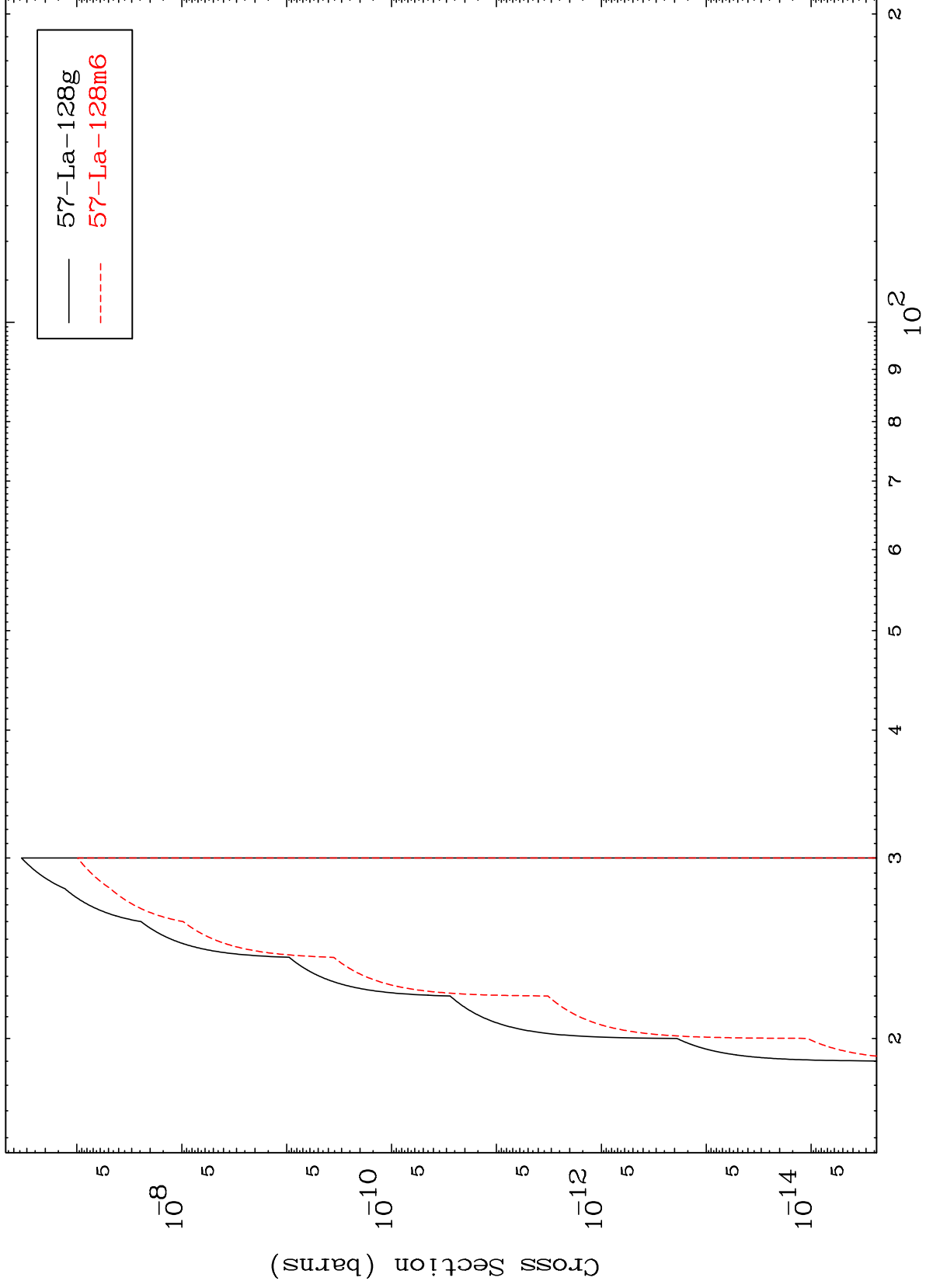
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

(n,t)
Radionuclide Production Cross Section



17

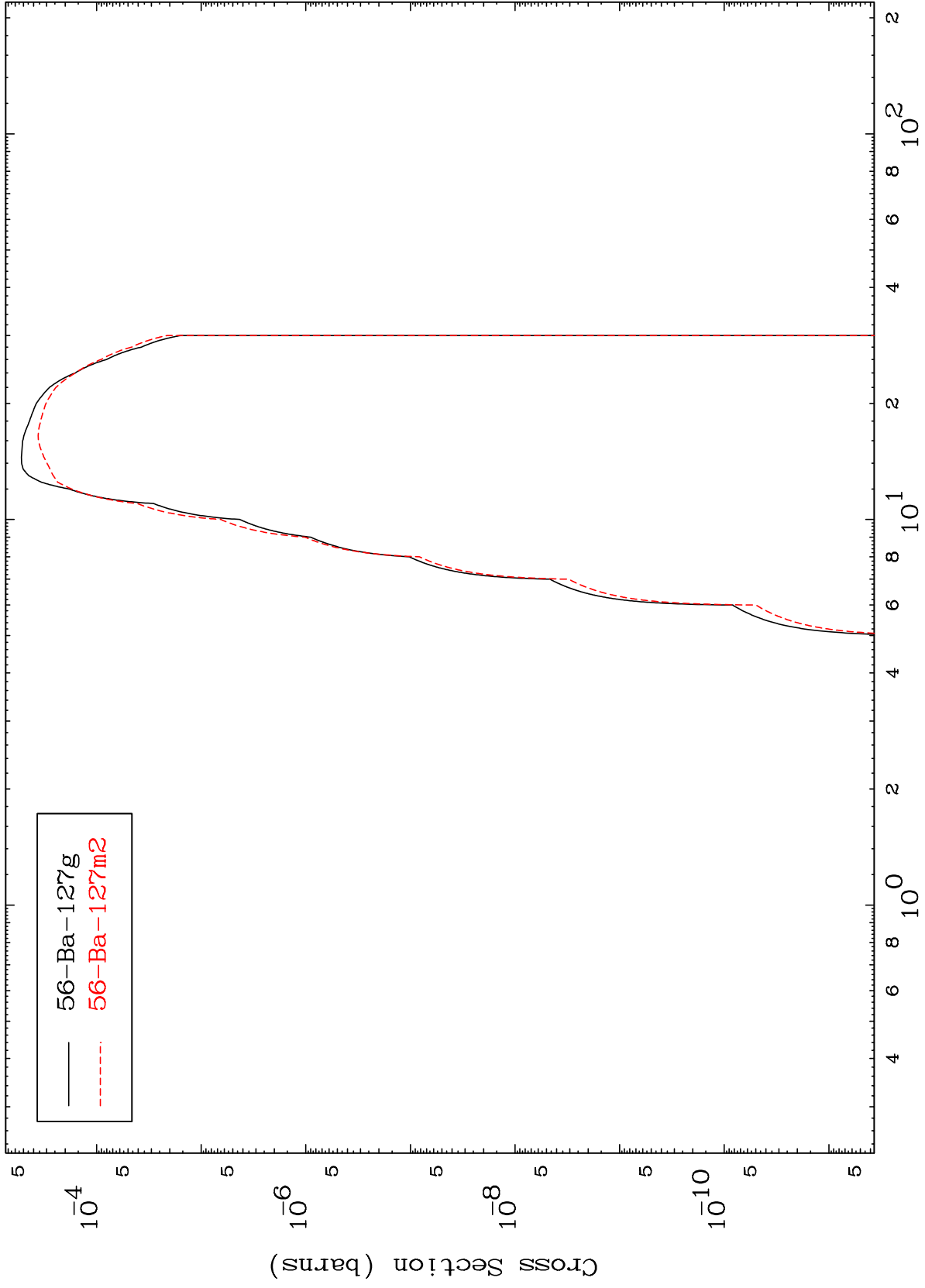
58-Ce-131

Incident Energy (MeV)

MAT 5810

58-Ce-131

(n, α)
Radionuclide Production Cross Section



56-Ba-127g
56-Ba-127m2

58-Ce-131

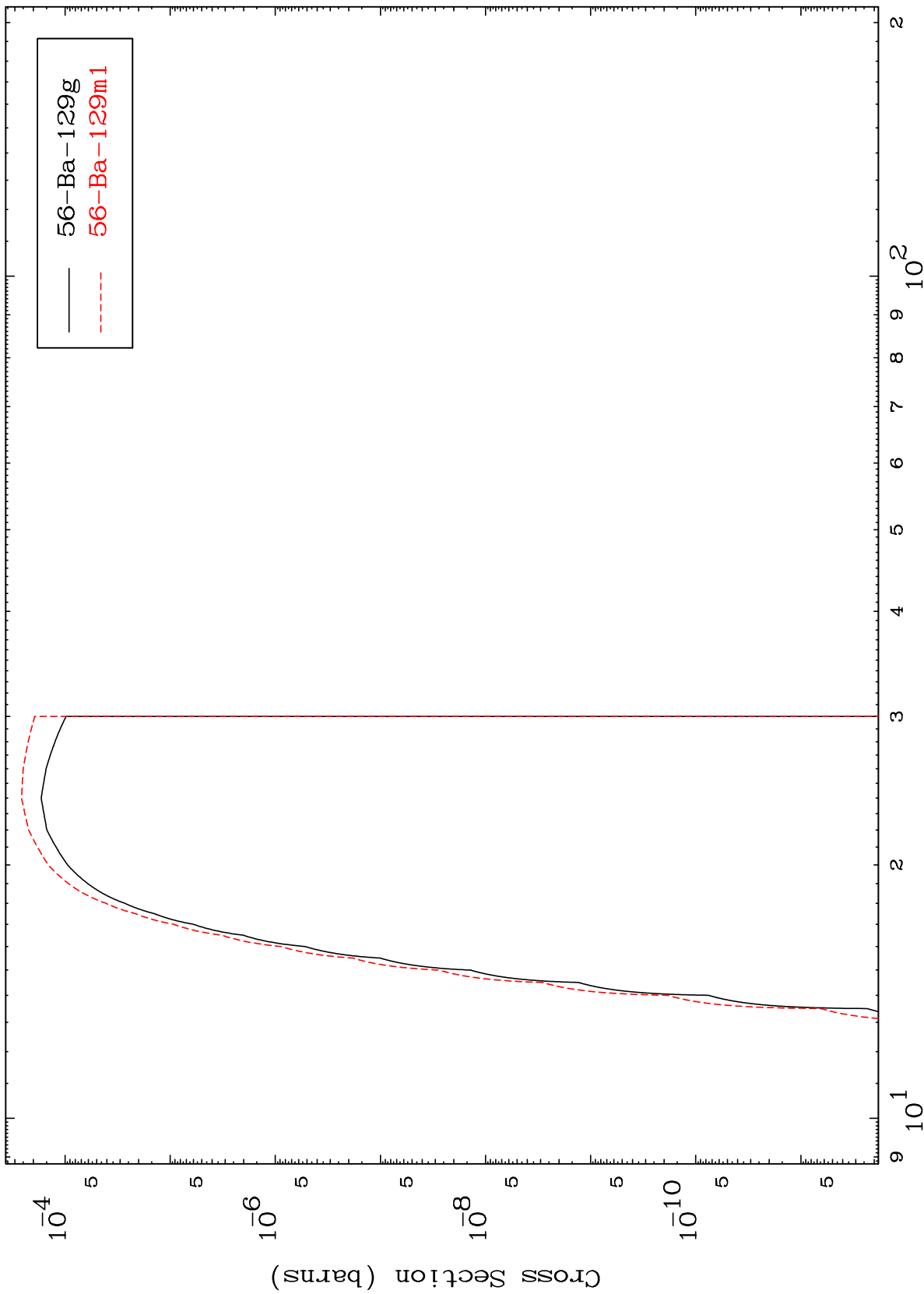
Incident Energy (MeV)

18

MAT 5810

58-Ce-131

(n,2p)
Radionuclide Production Cross Section



58-Ce-131

Incident Energy (MeV)

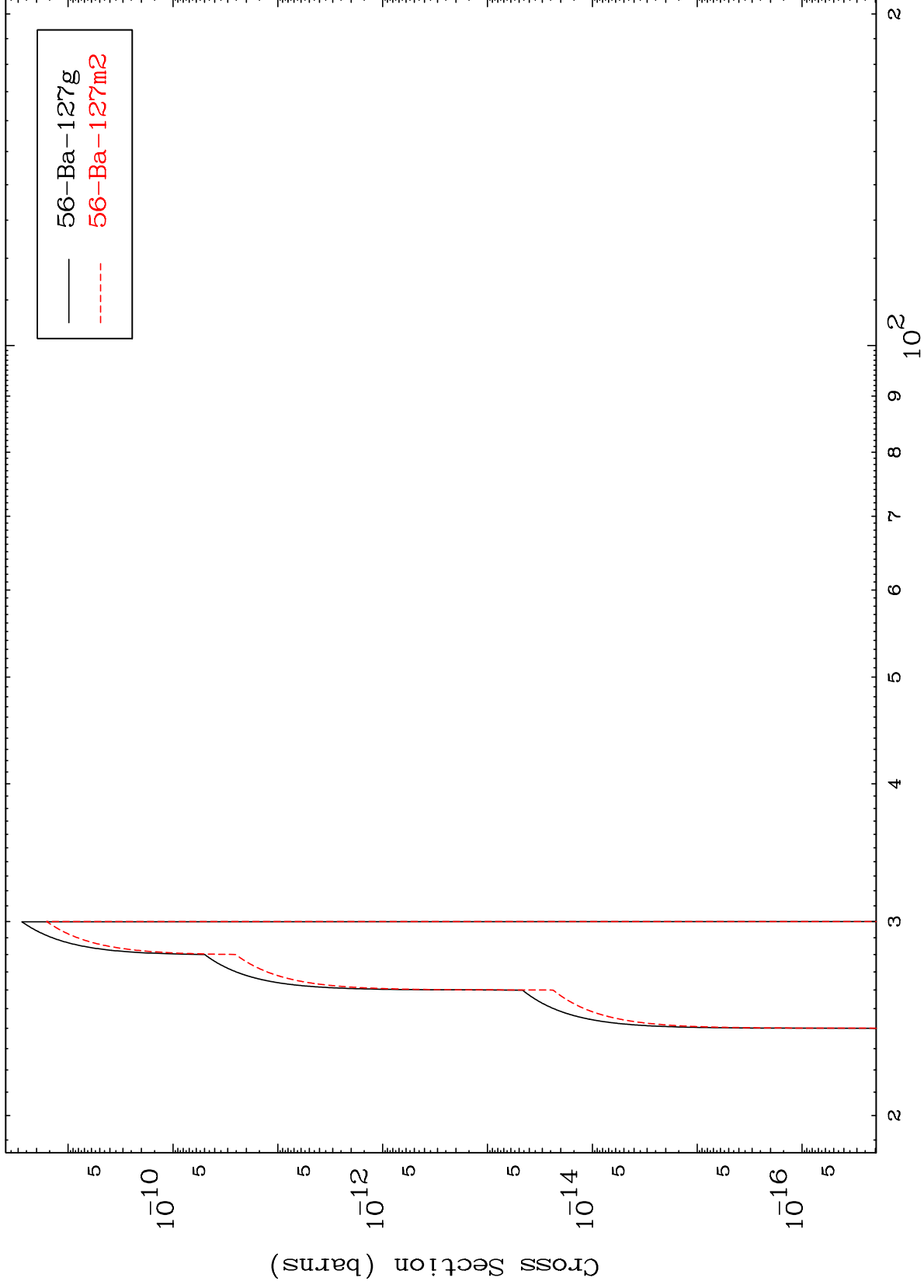
19

MAT 5810

(n,p) t

58-Ce-131

Radionuclide Production Cross Section



20

Incident Energy (MeV)

58-Ce-131