

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

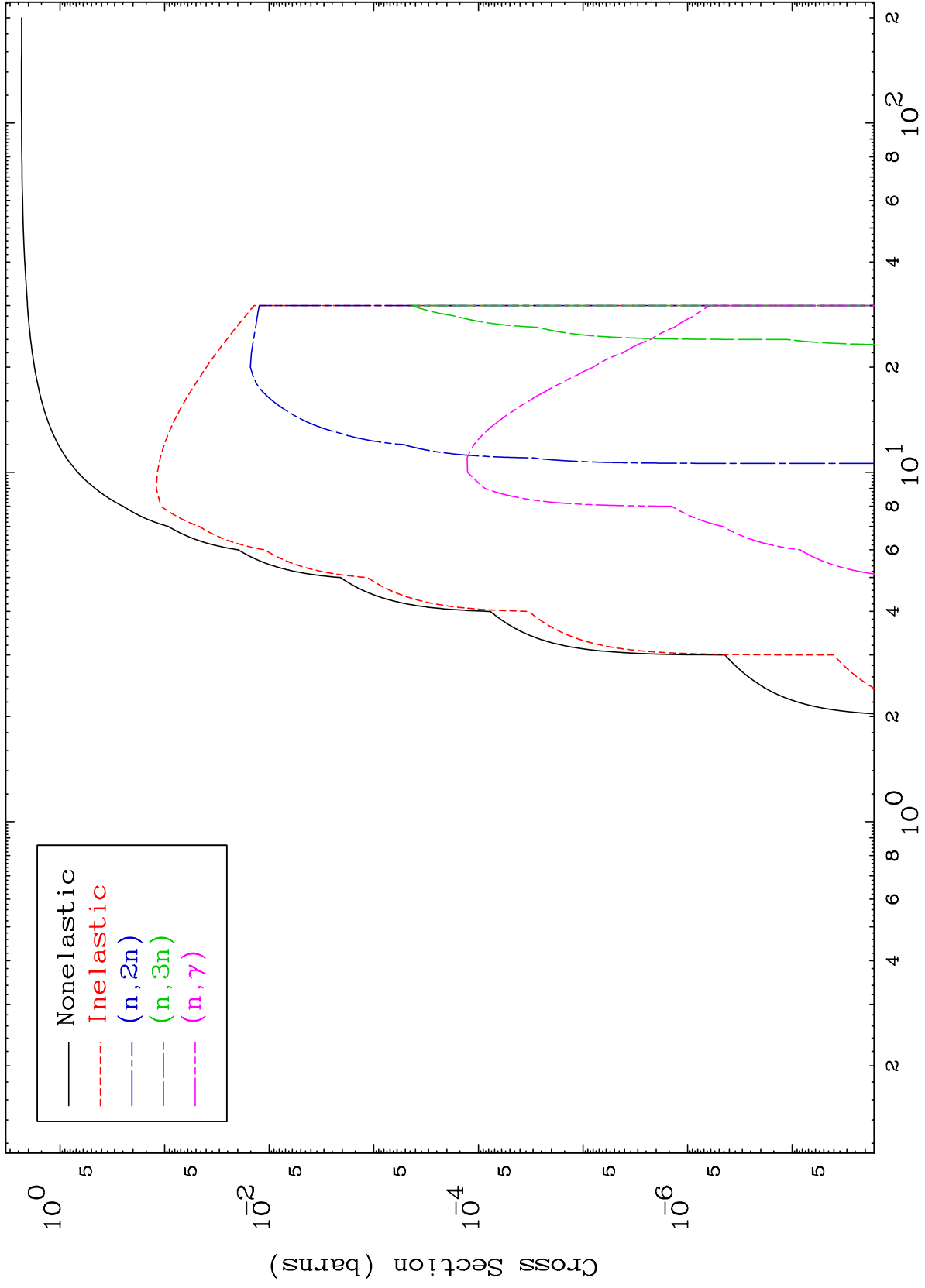
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Web: redcullen1.net/HOMEPAGE.NEW

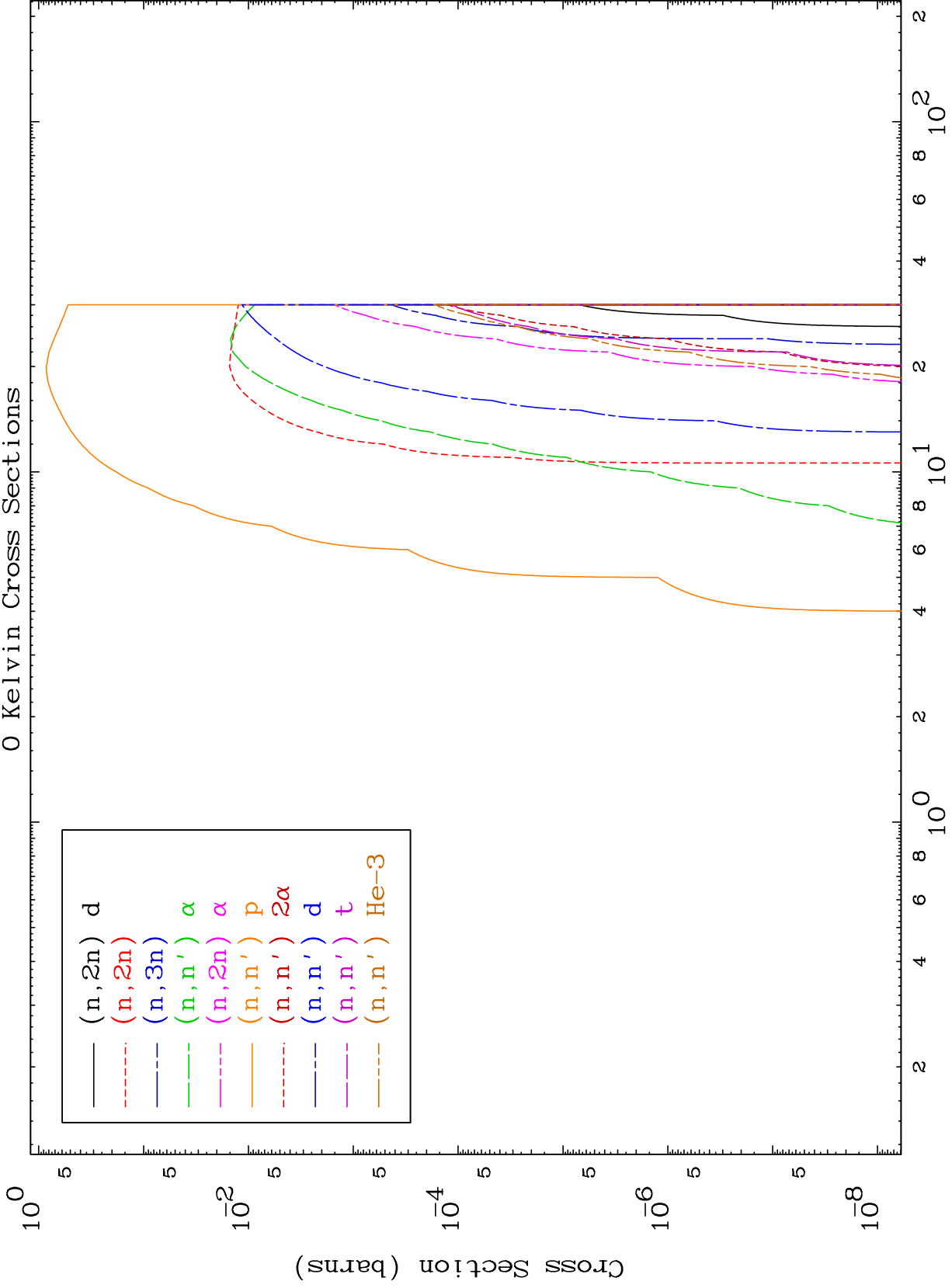
Press Mouse Button to Start



MAT 5799

Deuteron Neutron Absorption
0 Kelvin Cross Sections

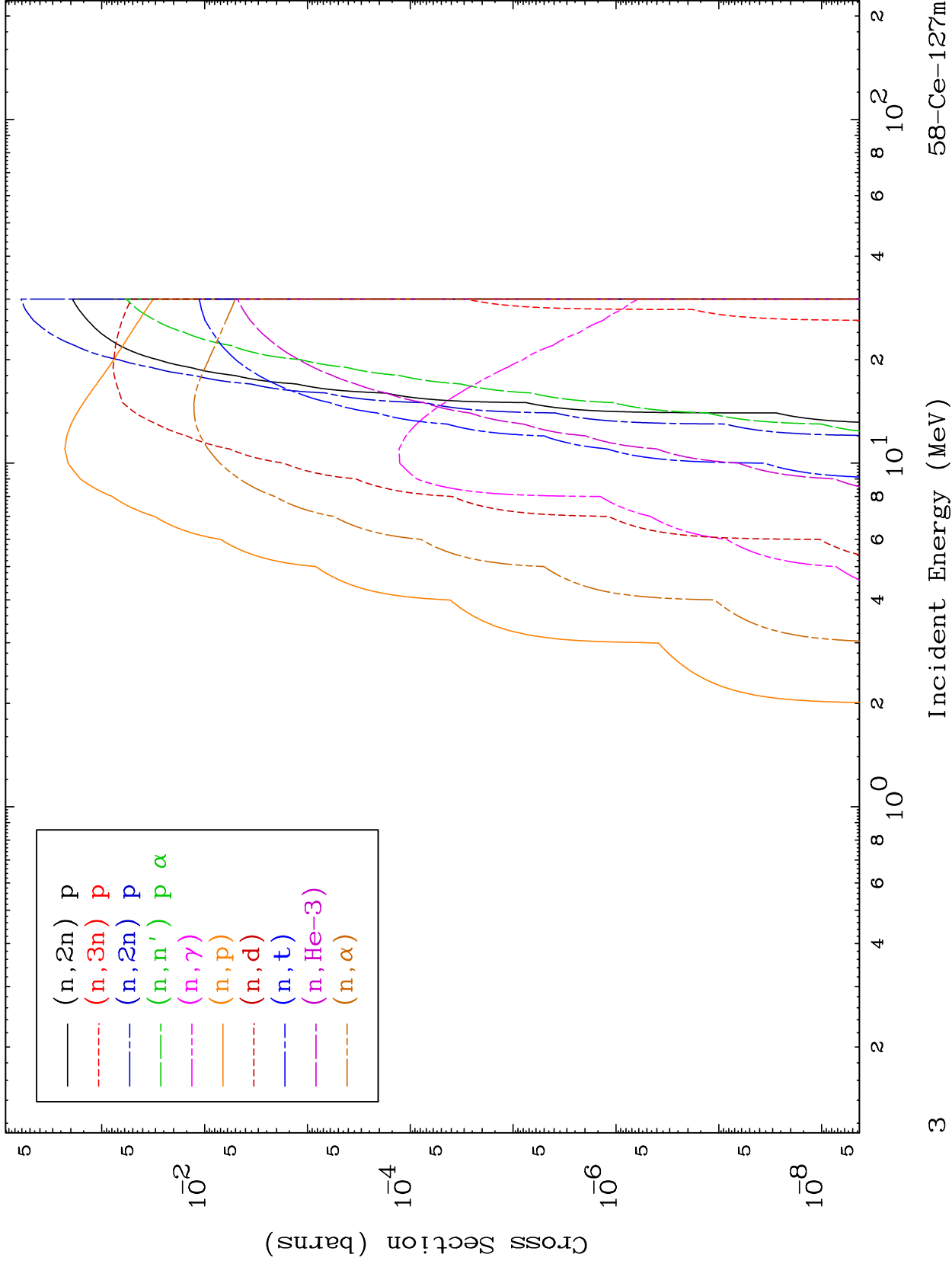
58-Ce-127m



MAT 5799

Deuteron Neutron Absorption
0 Kelvin Cross Sections

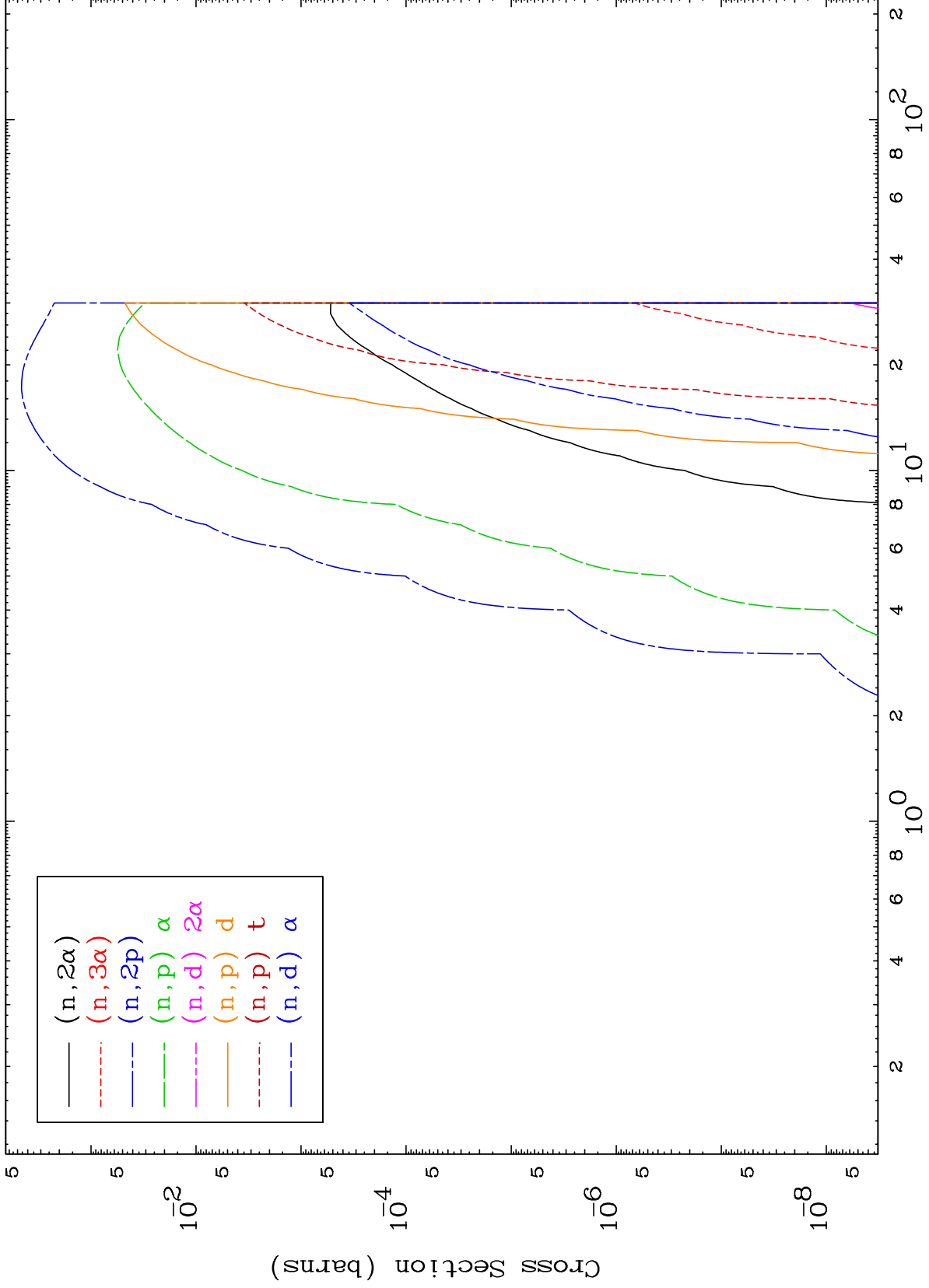
58-Ce-127m



MAT 5799

Deuteron Neutron Absorption
0 Kelvin Cross Sections

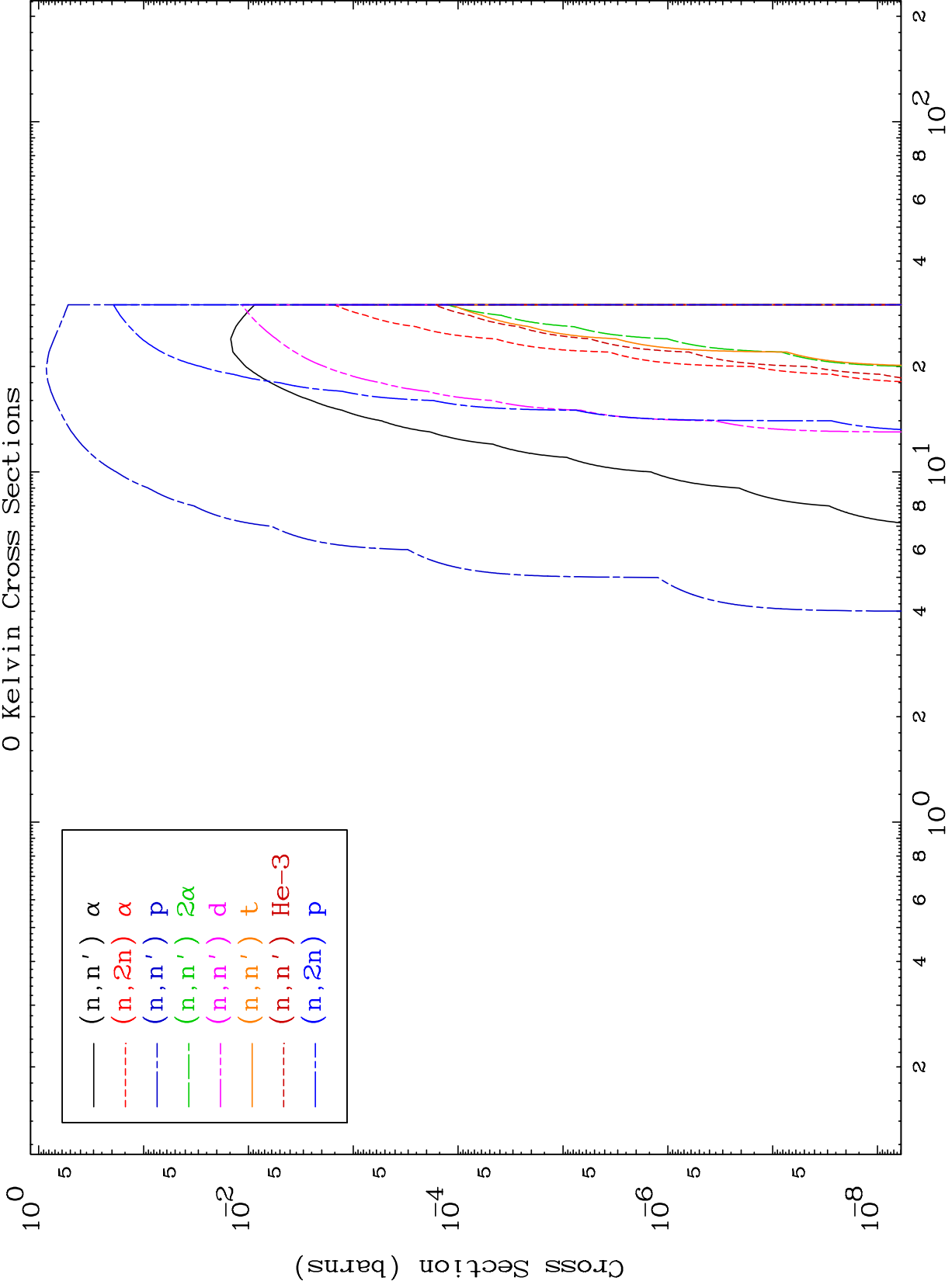
58-Ce-127m



MAT 5799

Deuteron Charged Particle
0 Kelvin Cross Sections

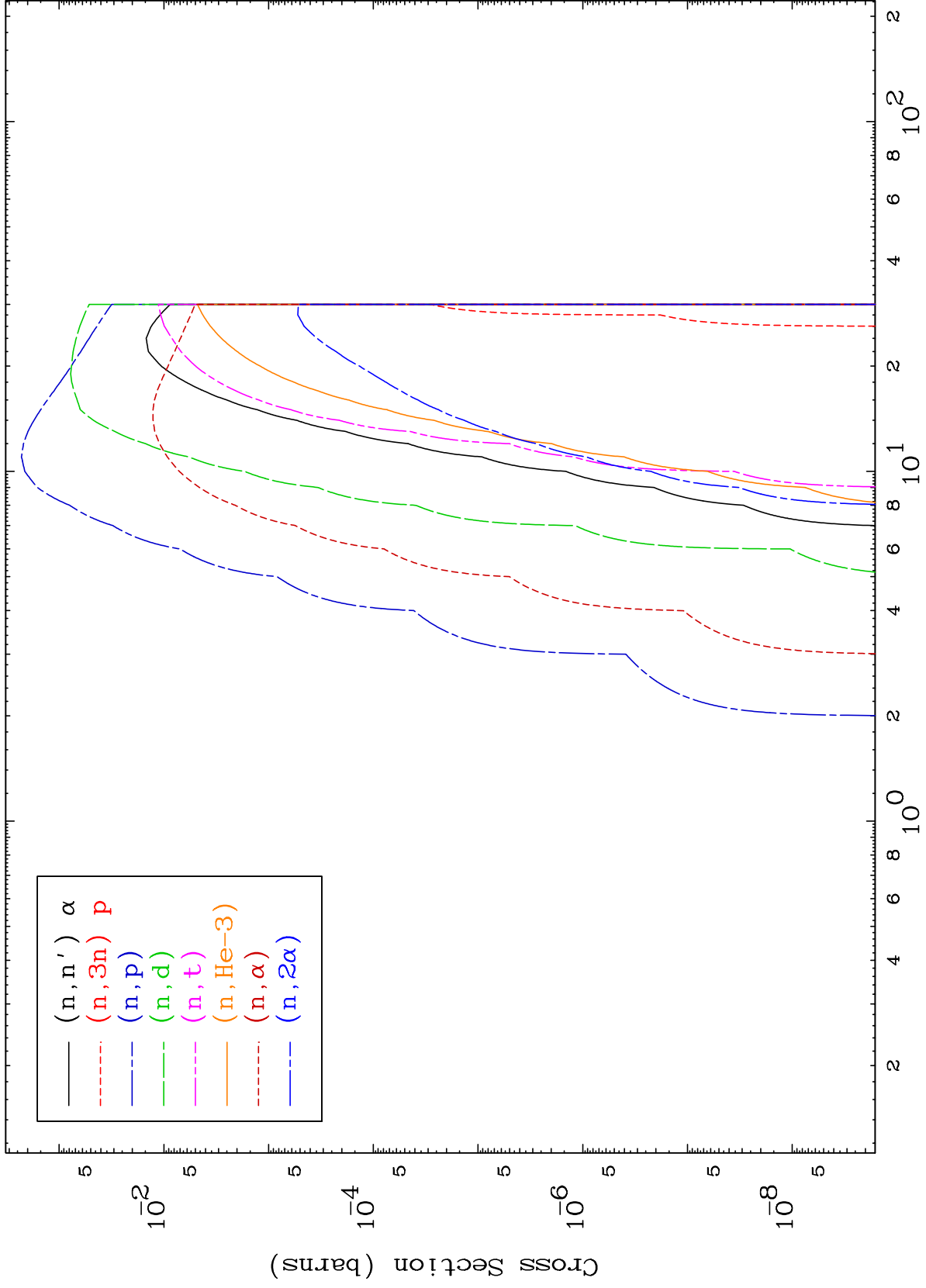
58-Ce-127m



MAT 5799

Deuteron Charged Particle
0 Kelvin Cross Sections

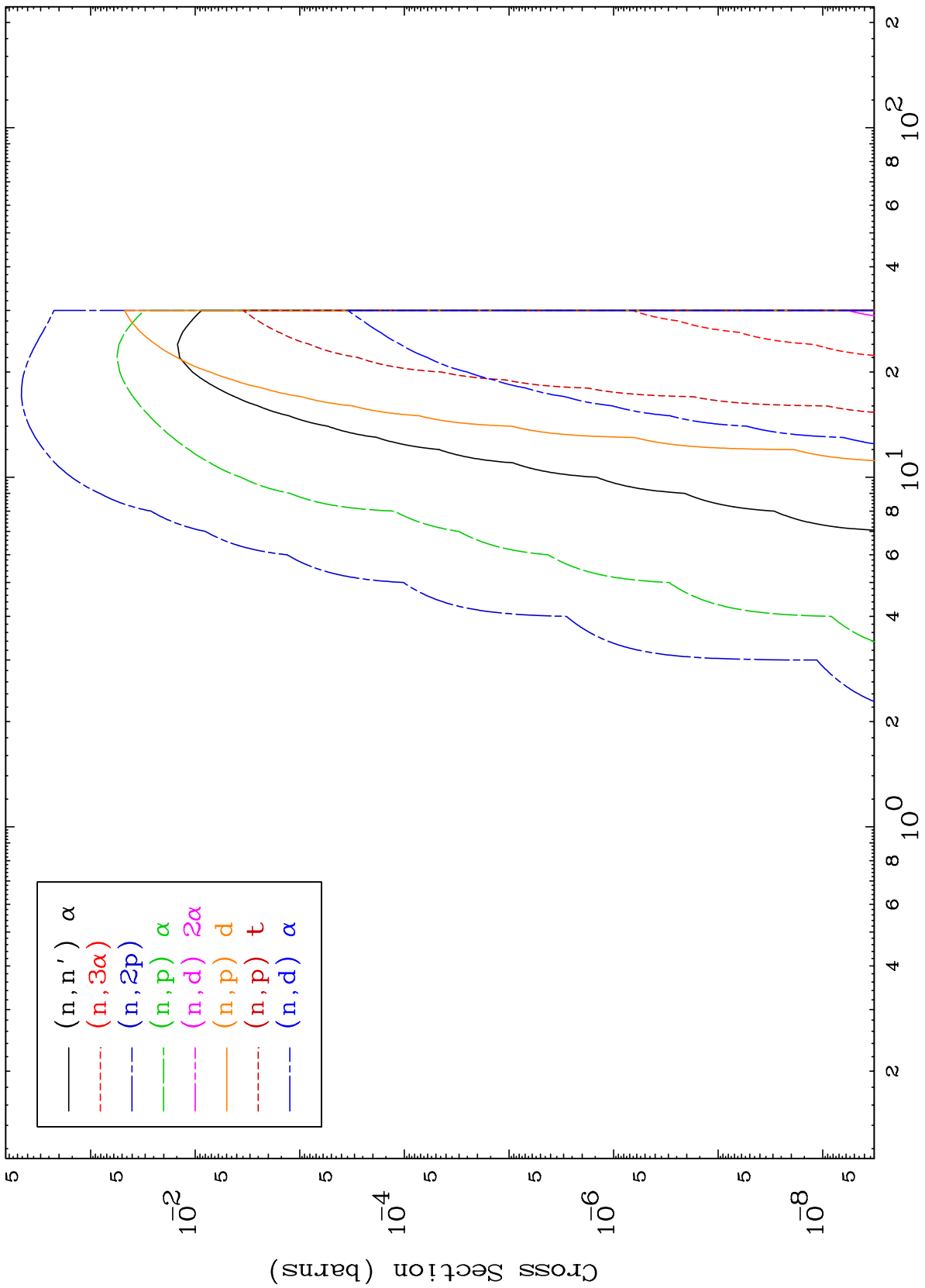
58-Ce-127m



MAT 5799

Deuteron Charged Particle
0 Kelvin Cross Sections

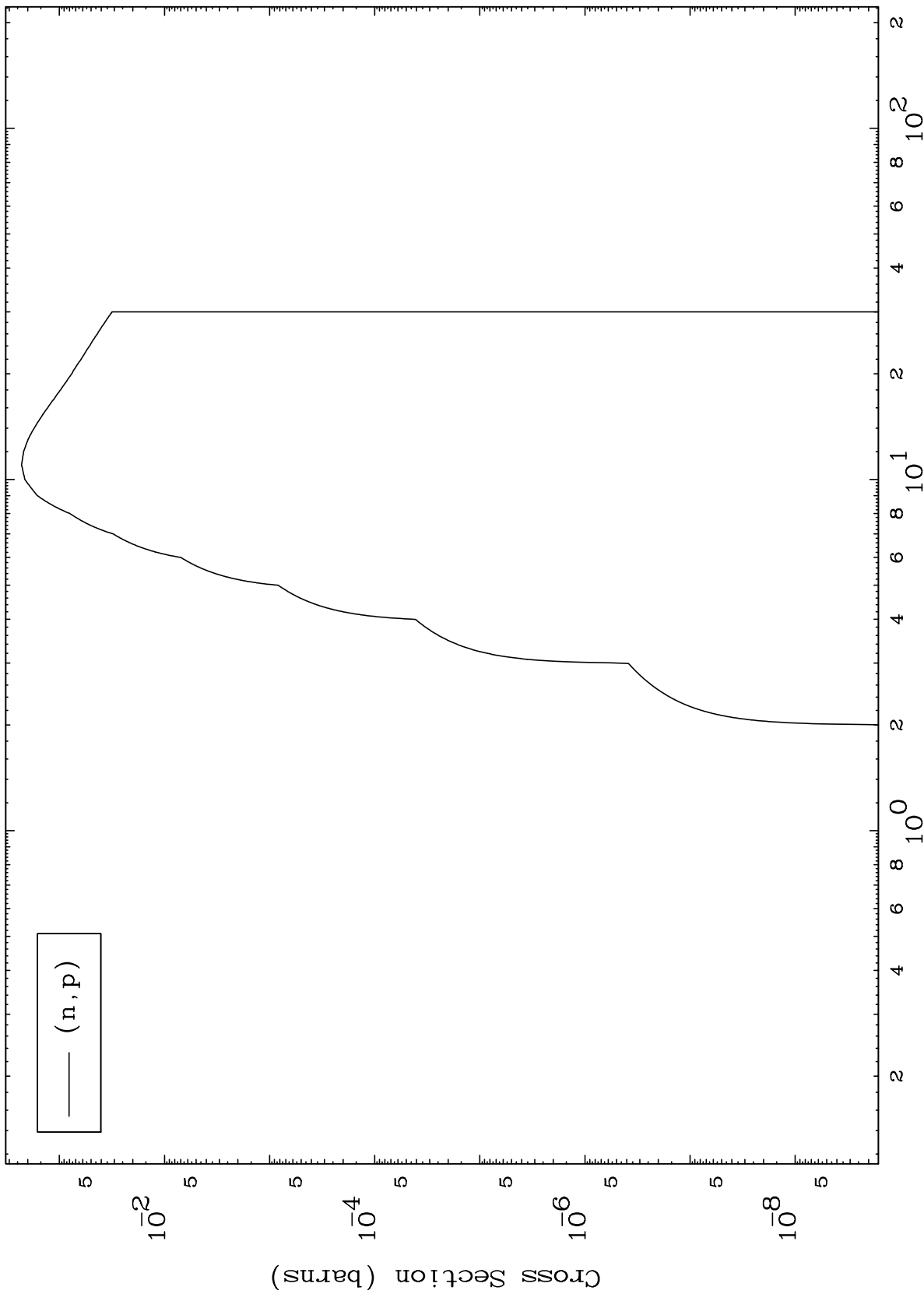
58-Ce-127m



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58-Ce-127m

(d,p) Levels
0 Kelvin Cross Sections

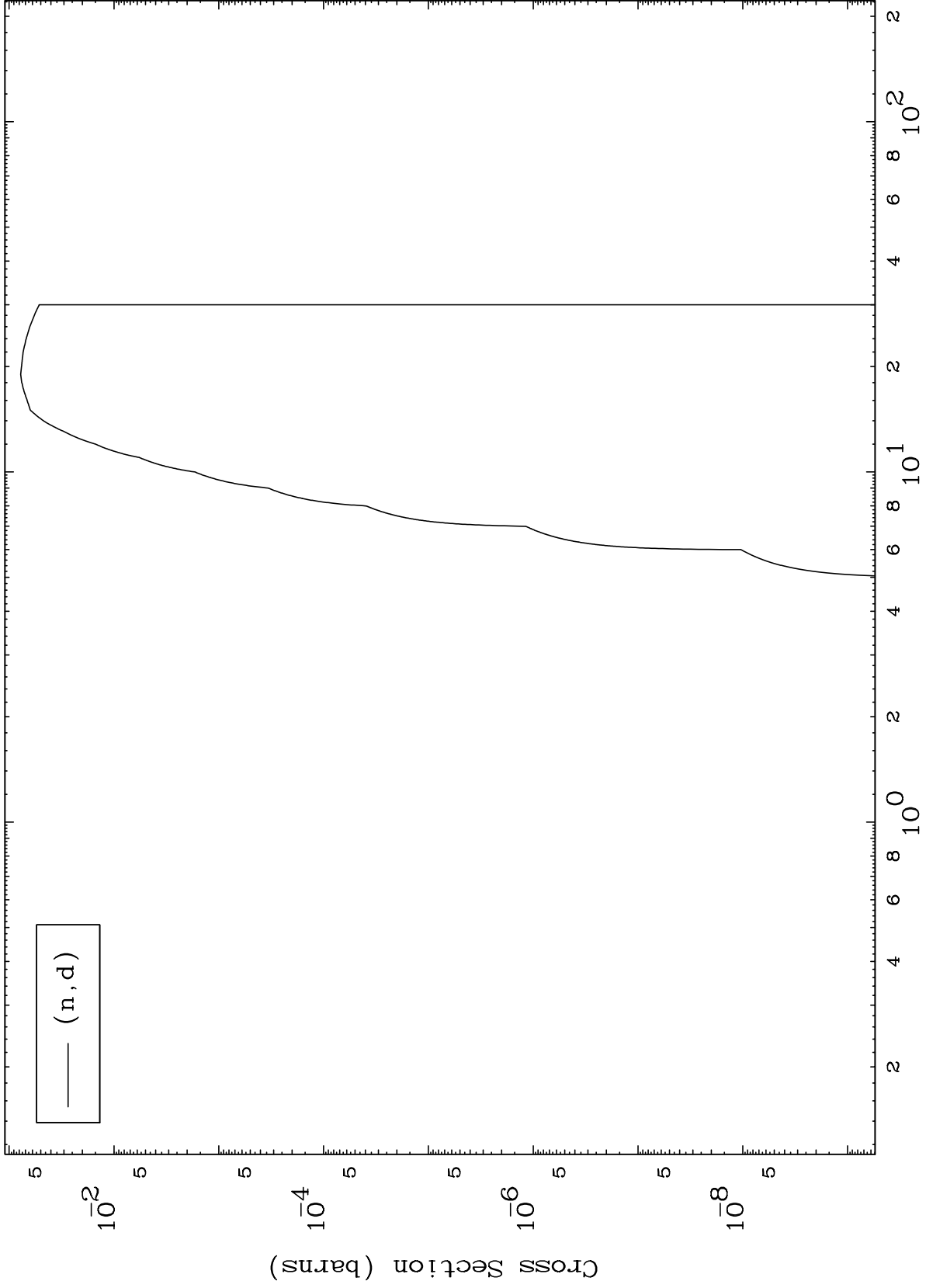


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(d,d) Levels

0 Kelvin Cross Sections

58-Ce-127m

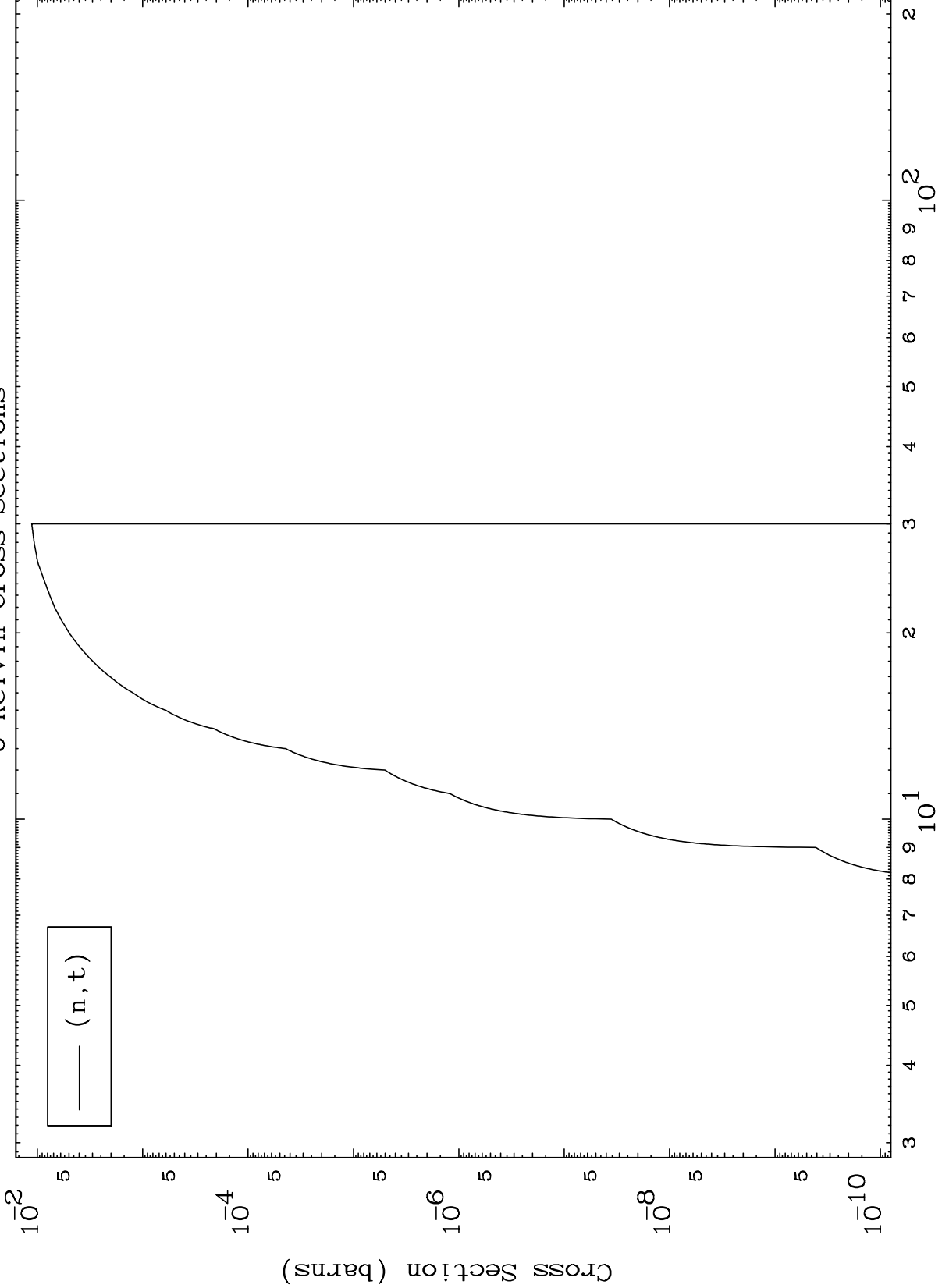


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(d,t) Levels

58-Ce-127m

0 Kelvin Cross Sections



(n,t)

Incident Energy (MeV)

58-Ce-127m

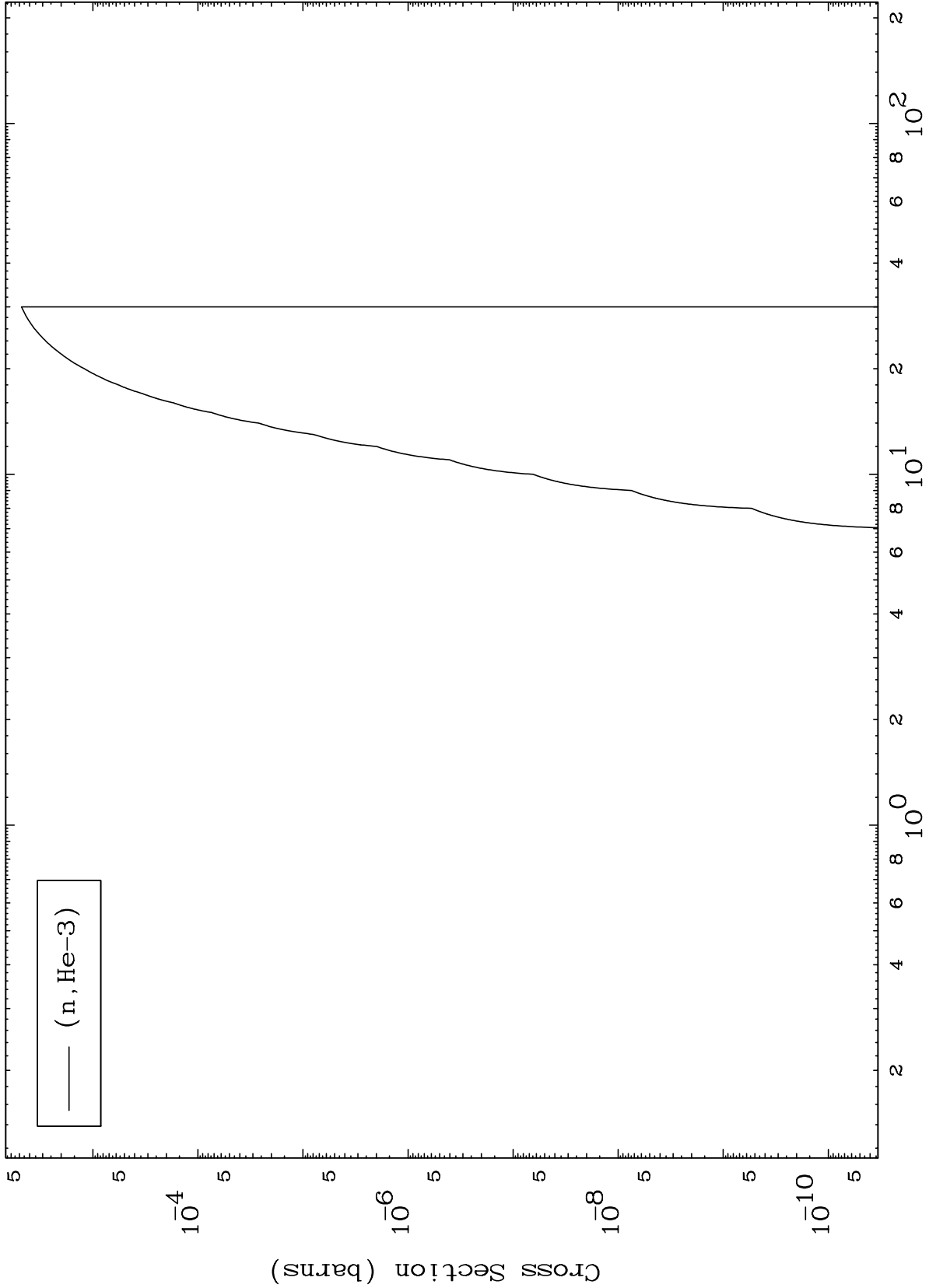
10

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(d,He3) Levels

58-Ce-127m

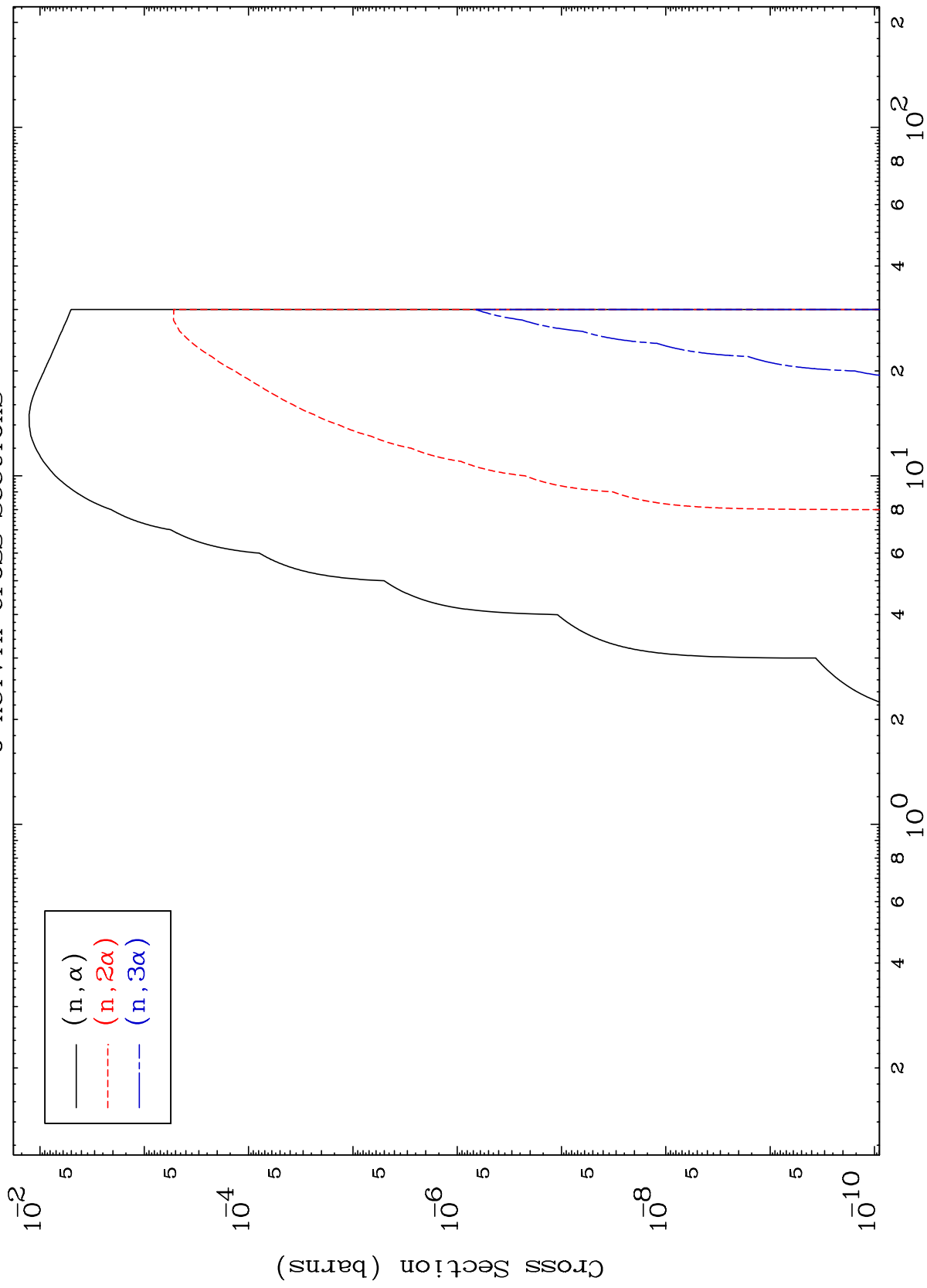
0 Kelvin Cross Sections



MAT 5799

58-Ce-127m

(d, α) Levels
0 Kelvin Cross Sections



58-Ce-127m

Incident Energy (MeV)

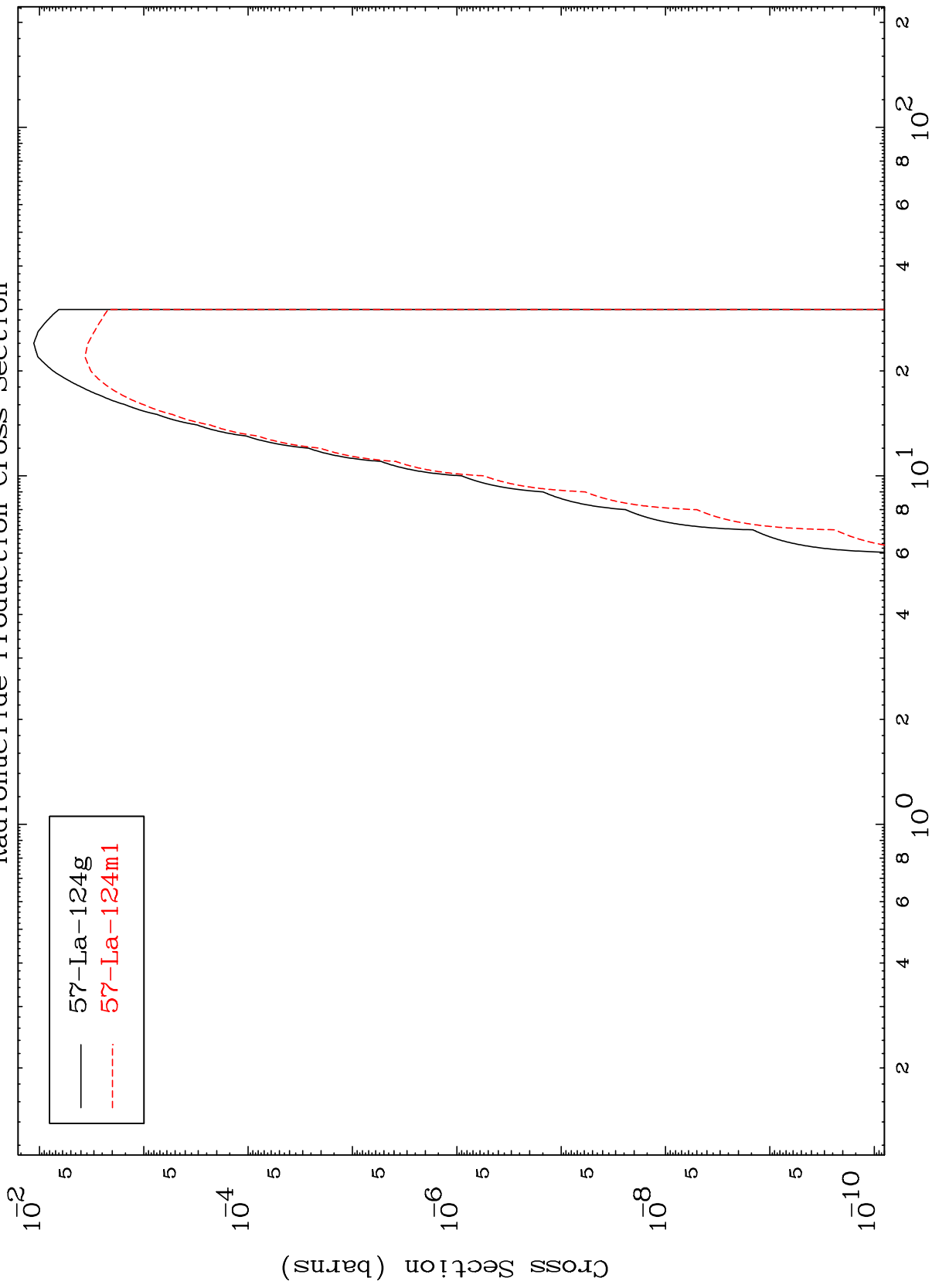
12

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$(n, n') \alpha$

58-Ce-127m

Radionuclide Production Cross Section



Incident Energy (MeV)

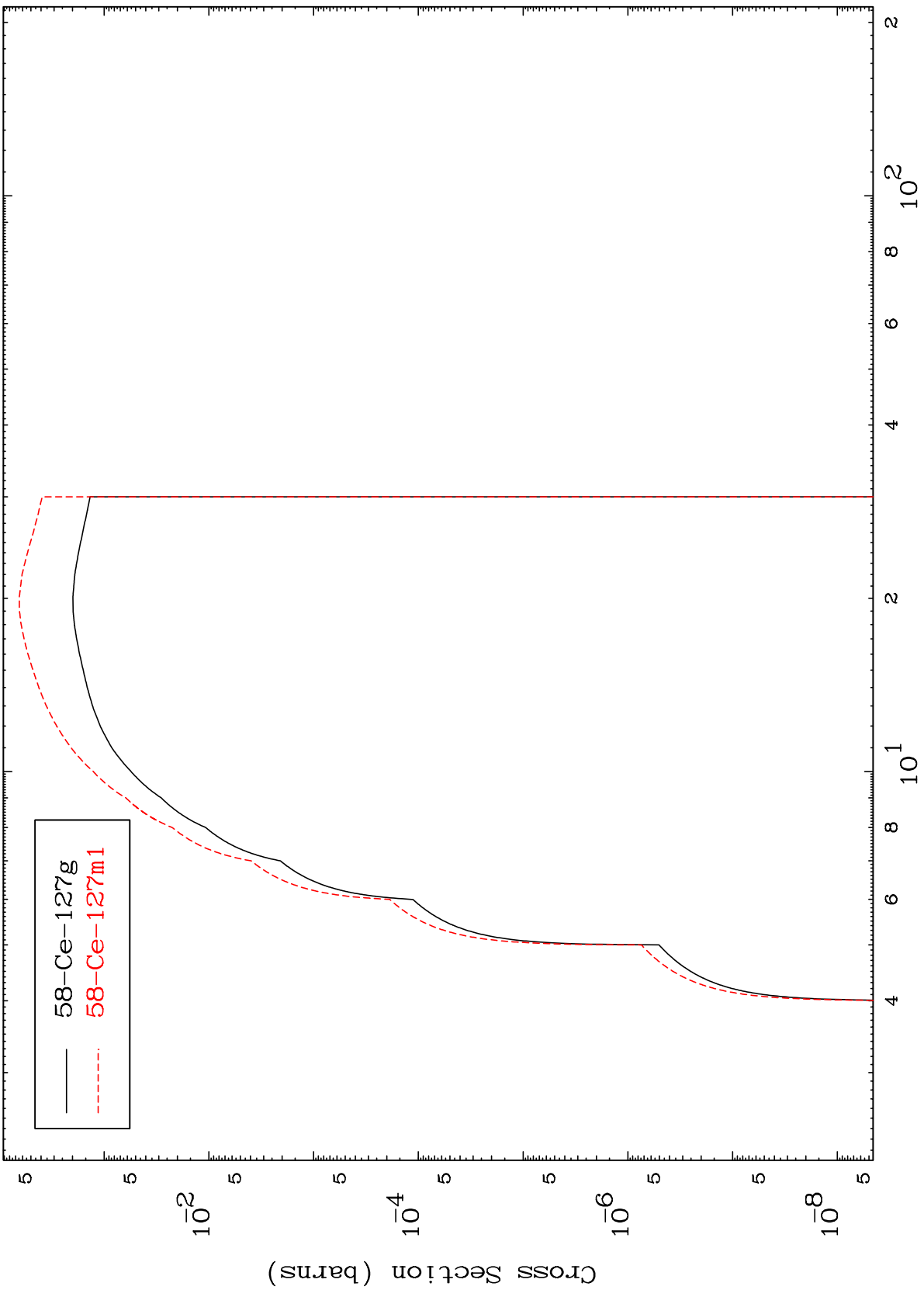
58-Ce-127m

13

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58-Ce-127m

(n,n') p
Radionuclide Production Cross Section



58-Ce-127m

Incident Energy (MeV)

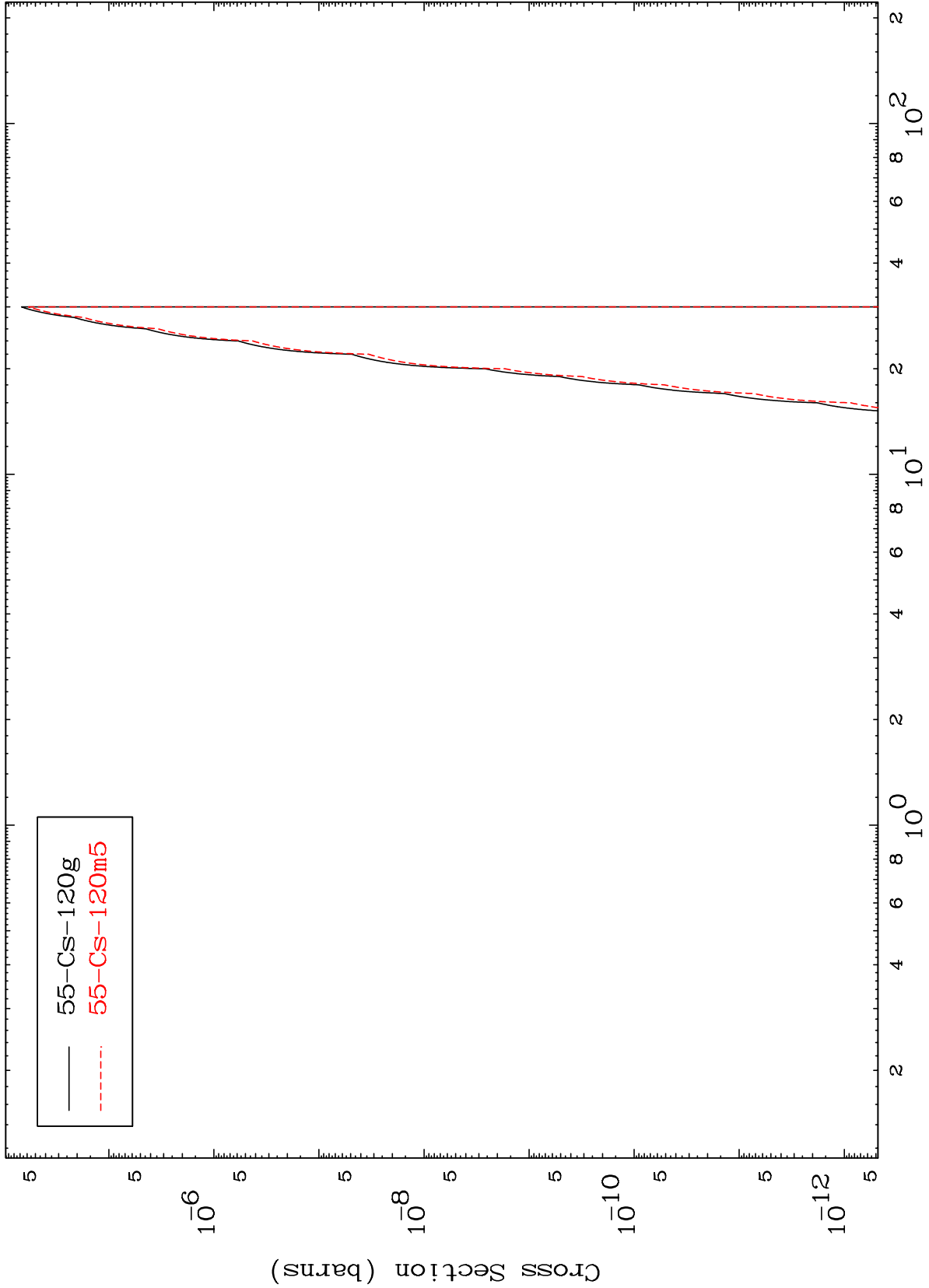
14

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(n,n') 2α

58-Ce-127m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

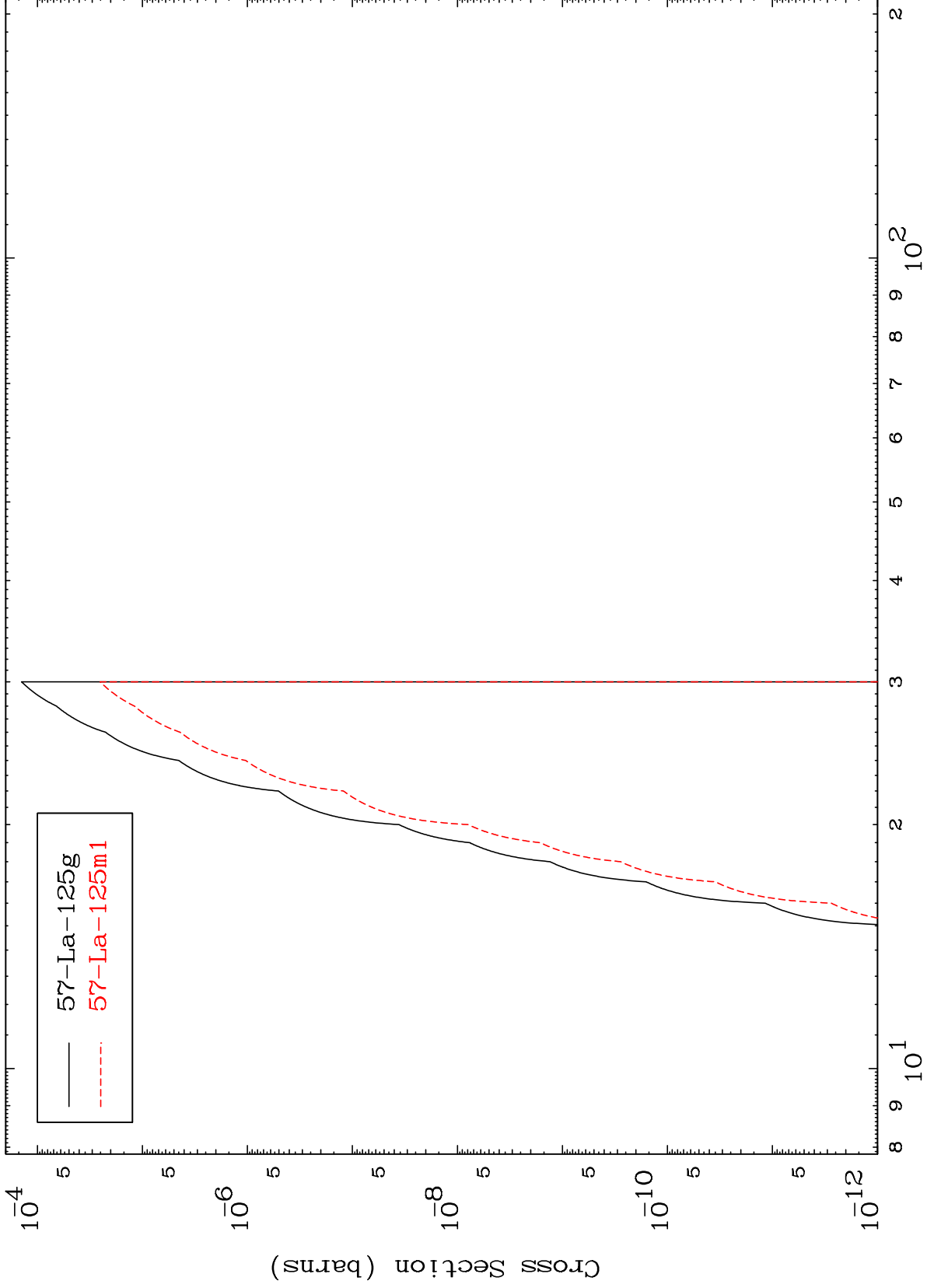
58-Ce-127m

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(n,n') He-3

58-Ce-127m

Radionuclide Production Cross Section



16

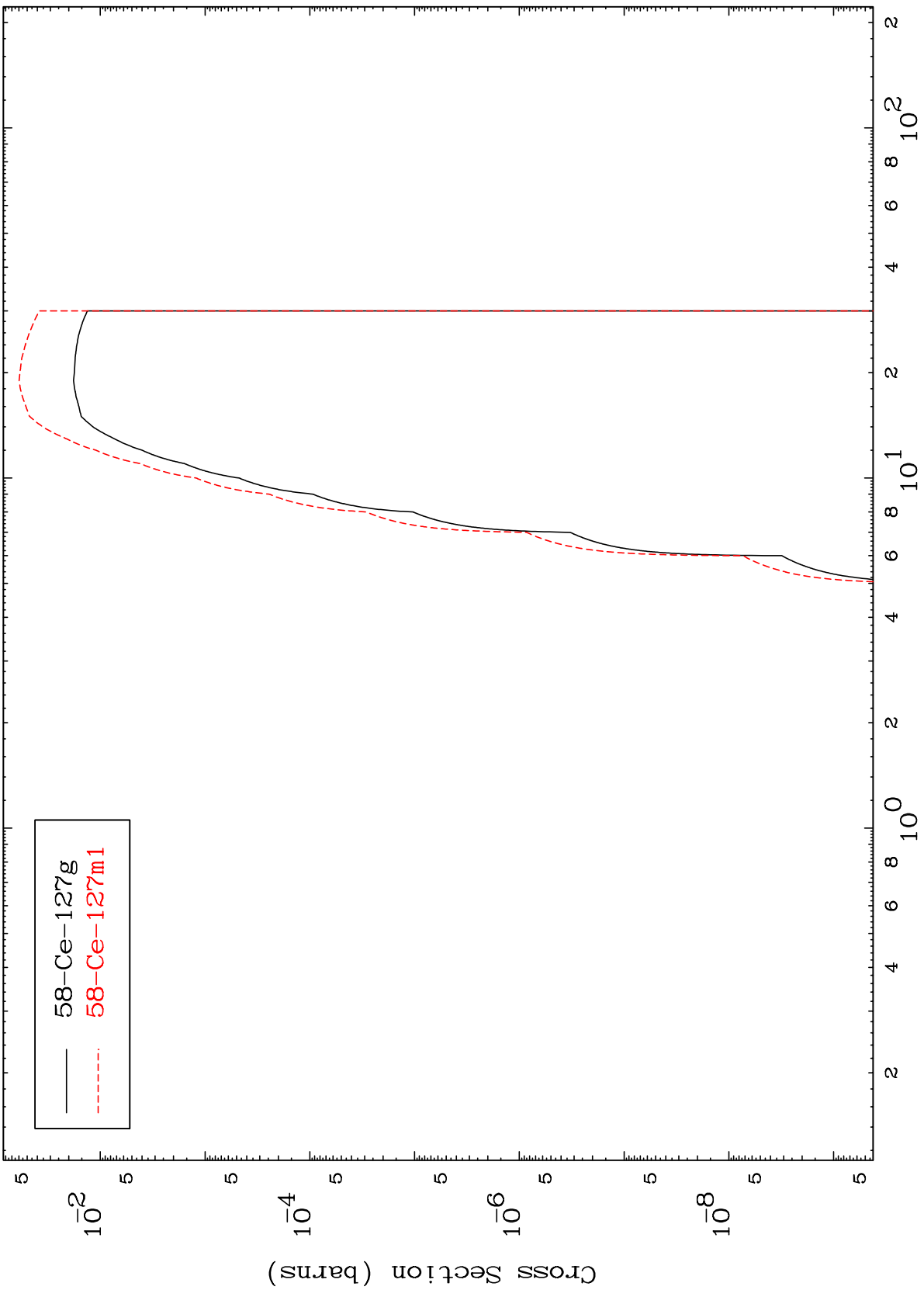
Incident Energy (MeV)

58-Ce-127m

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58-Ce-127m

(n,d)
Radionuclide Production Cross Section



— 58-Ce-127g
- - - 58-Ce-127m1

58-Ce-127m

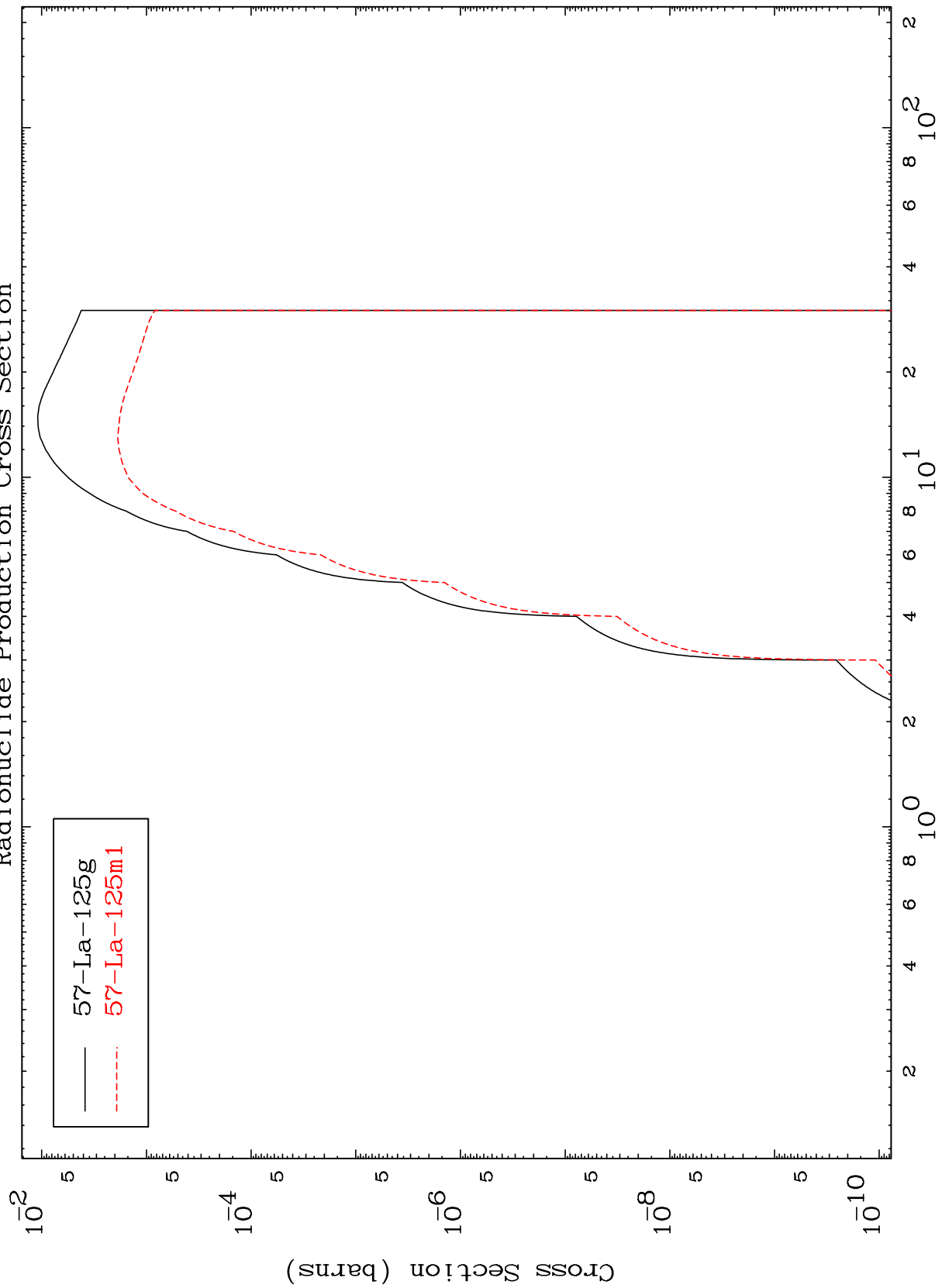
Incident Energy (MeV)

17

MAT 5799

58-Ce-127m

Radionuclide Production Cross Section
(n, α)



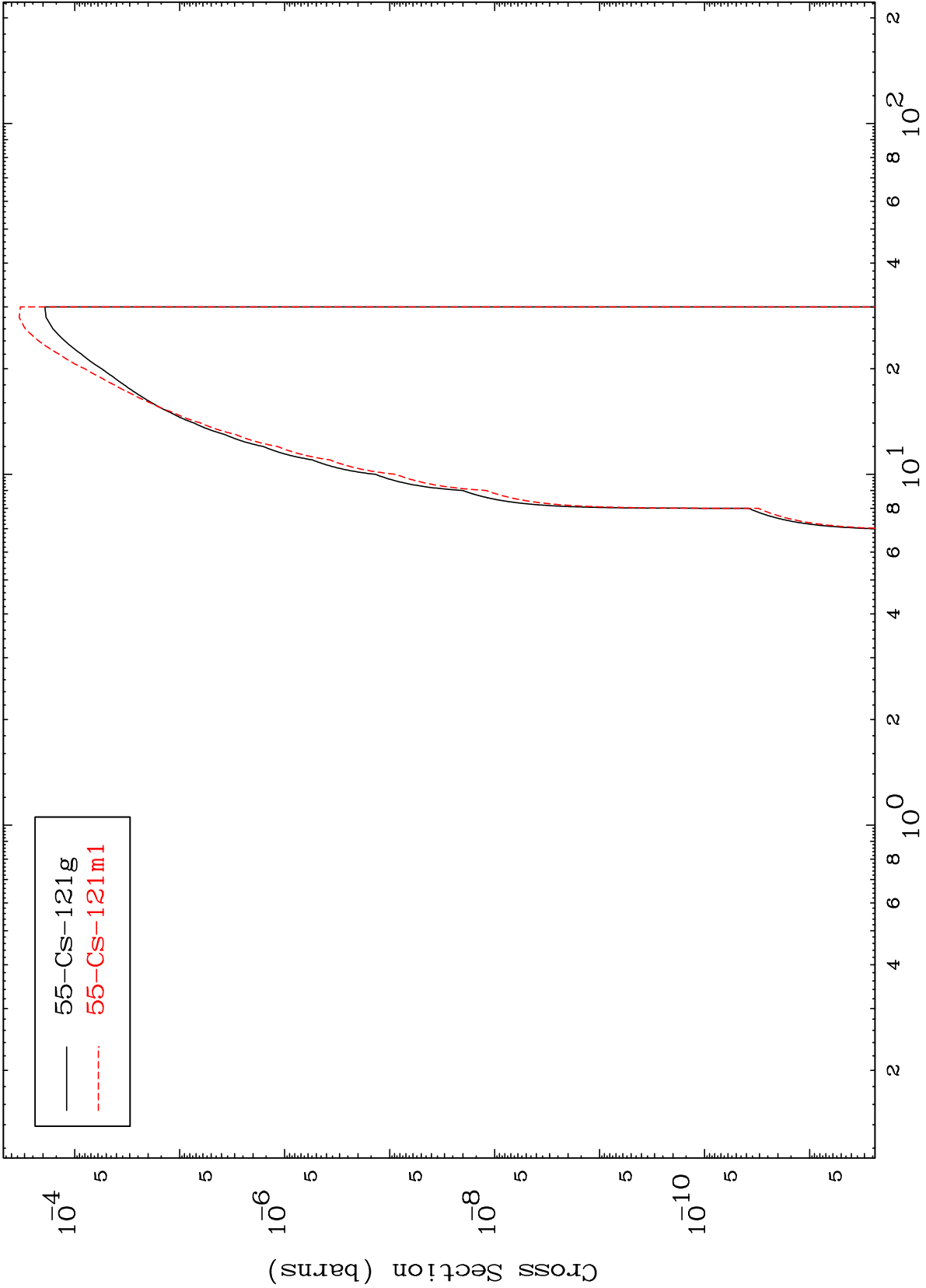
— 57-La-125g
- - - 57-La-125m1

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(n,2α)

58-Ce-127m

Radionuclide Production Cross Section

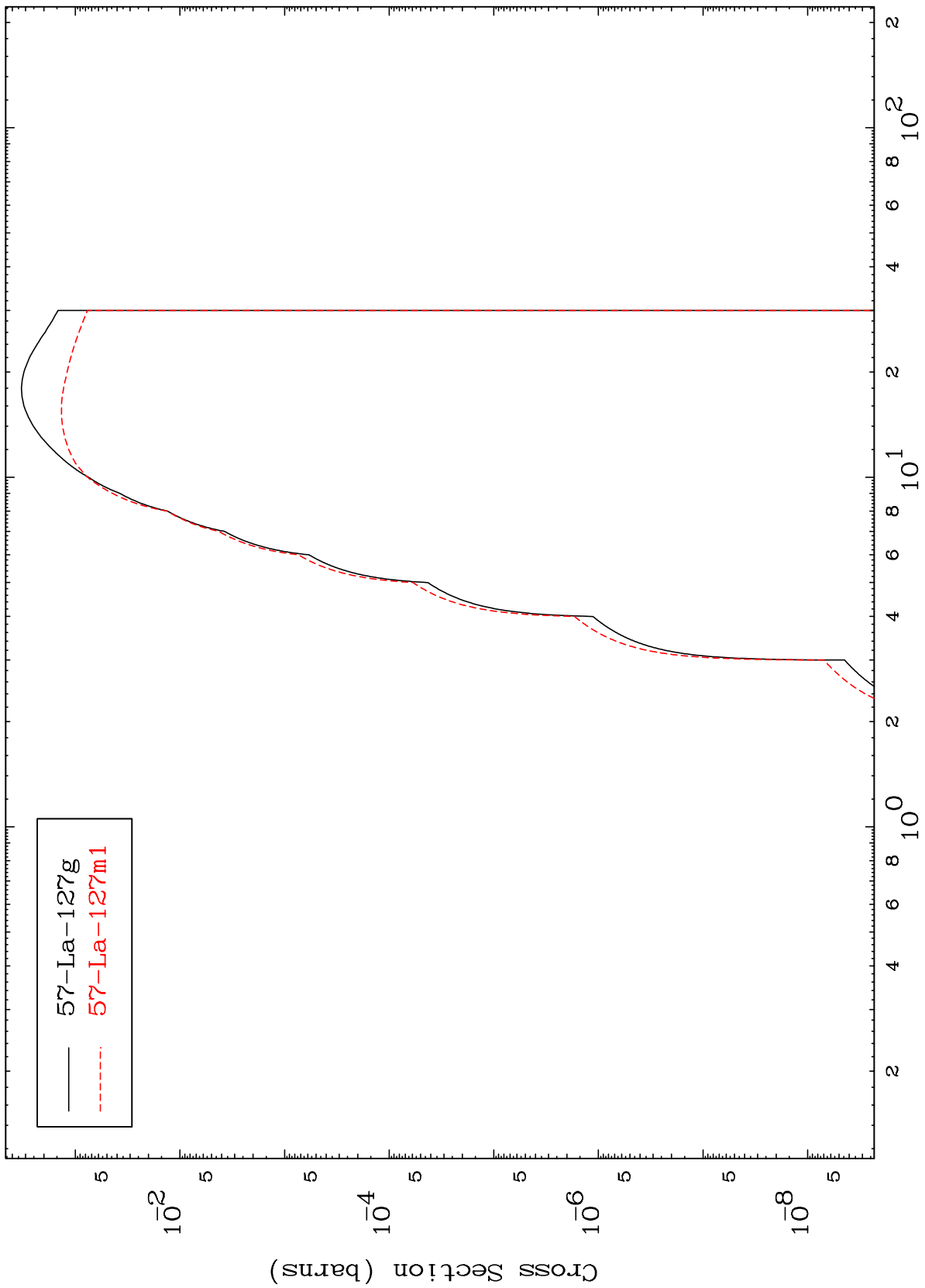


55-Cs-121g
55-Cs-121m1

MAT 5799

58-Ce-127m

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-127m

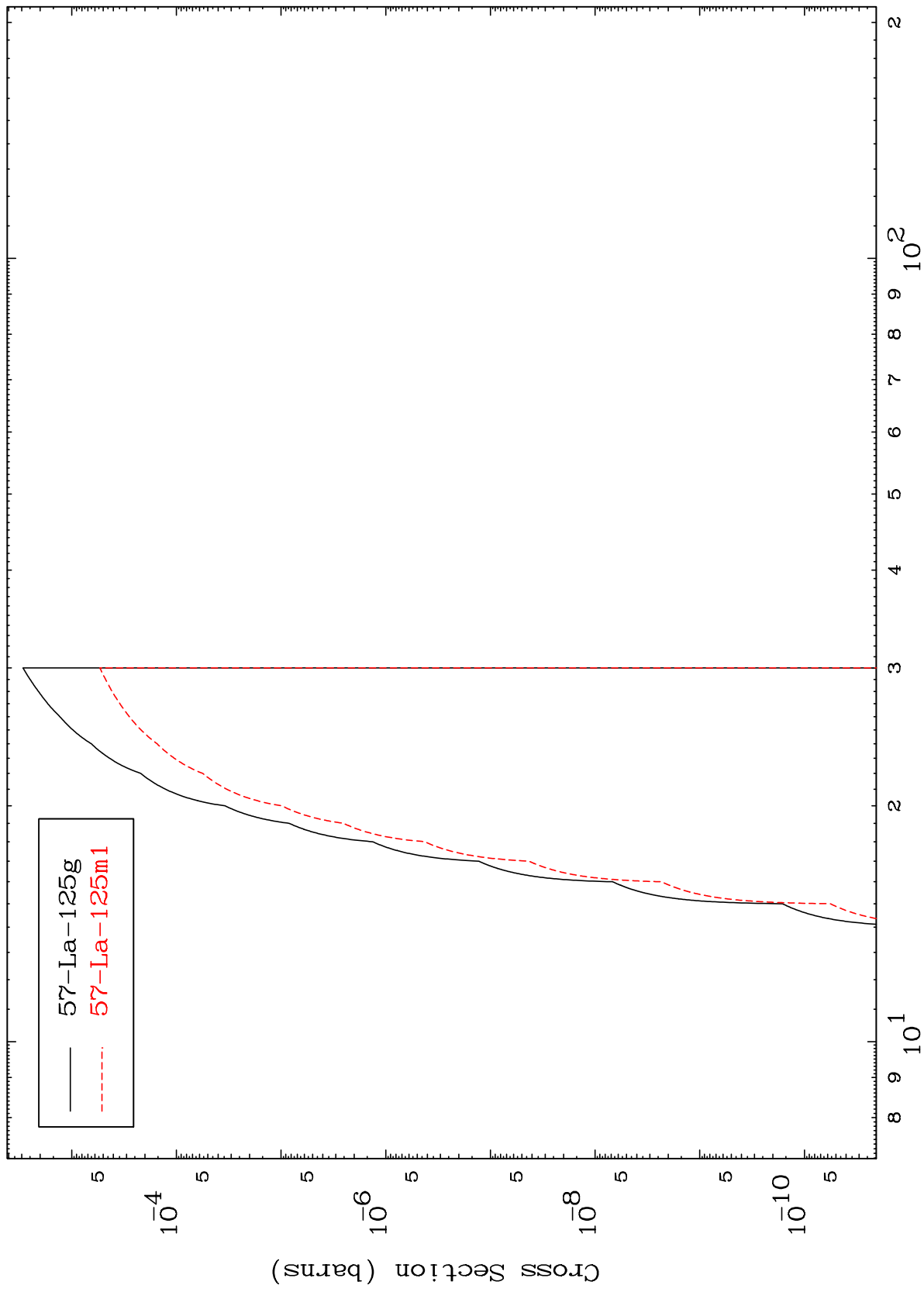
20

MAT 5799

(n,p) t

58-Ce-127m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

58-Ce-127m