

Program EVALPLOT
(Version 2018-1)

by

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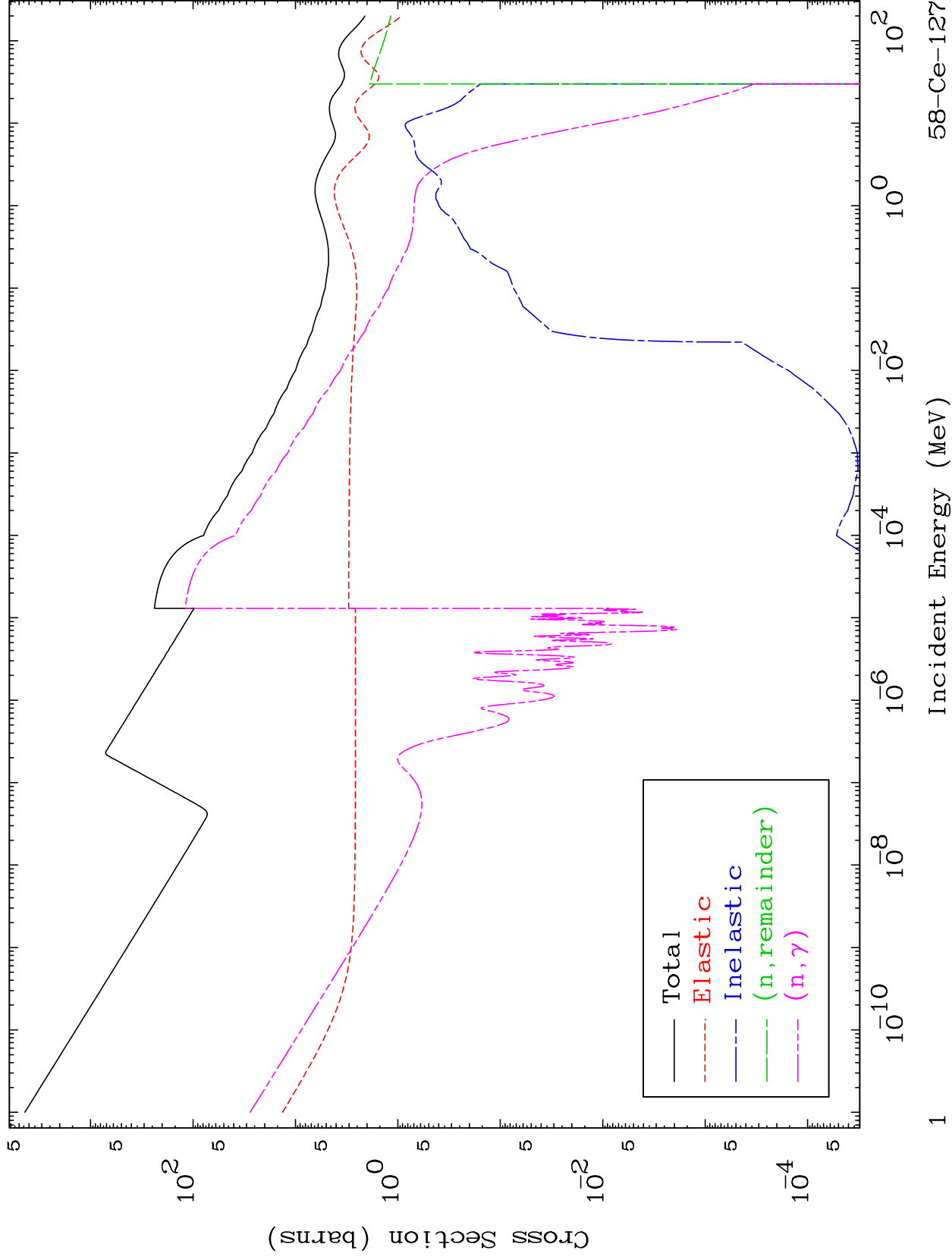
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5799

Major
293 Kelvin Cross Sections

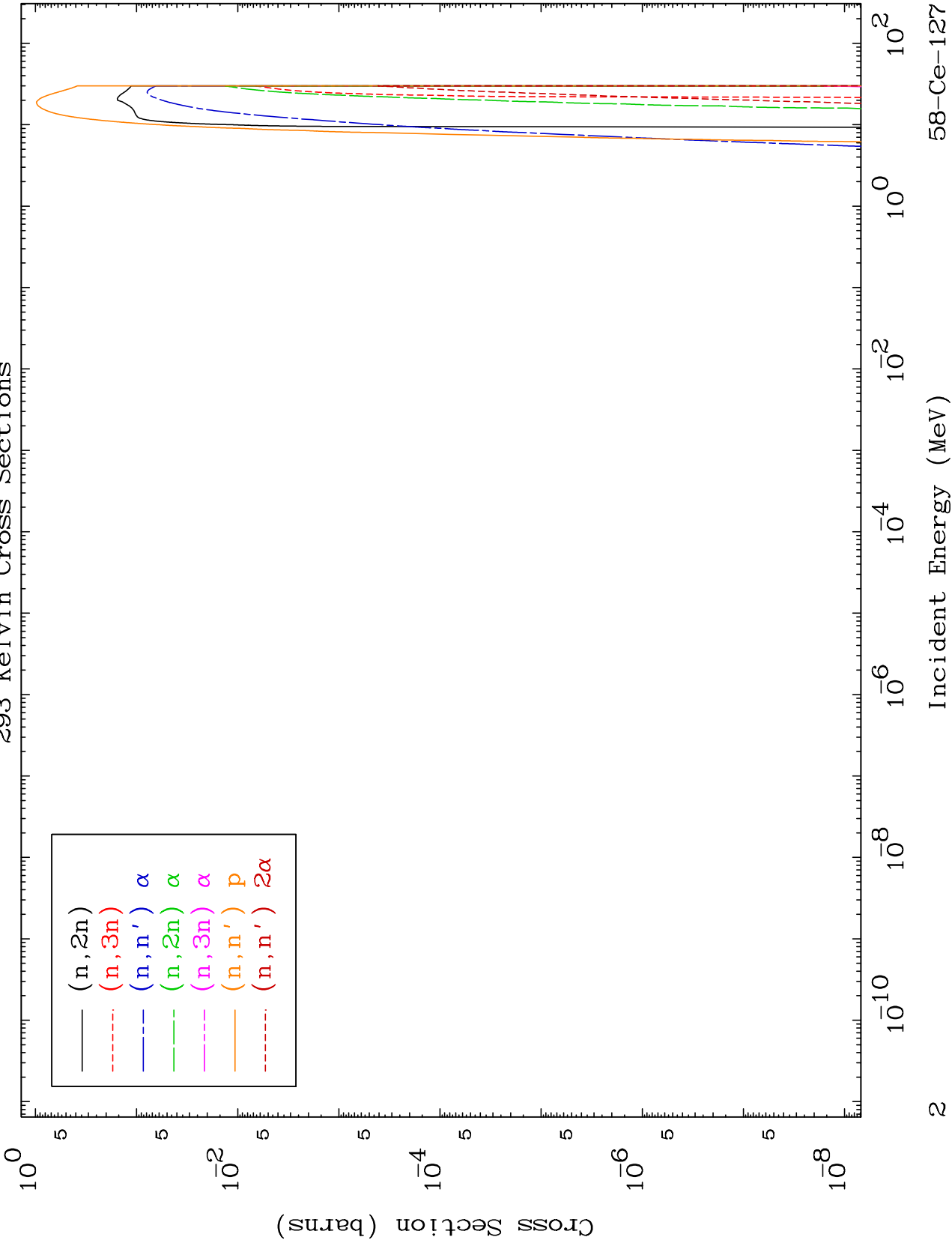
58-Ce-127

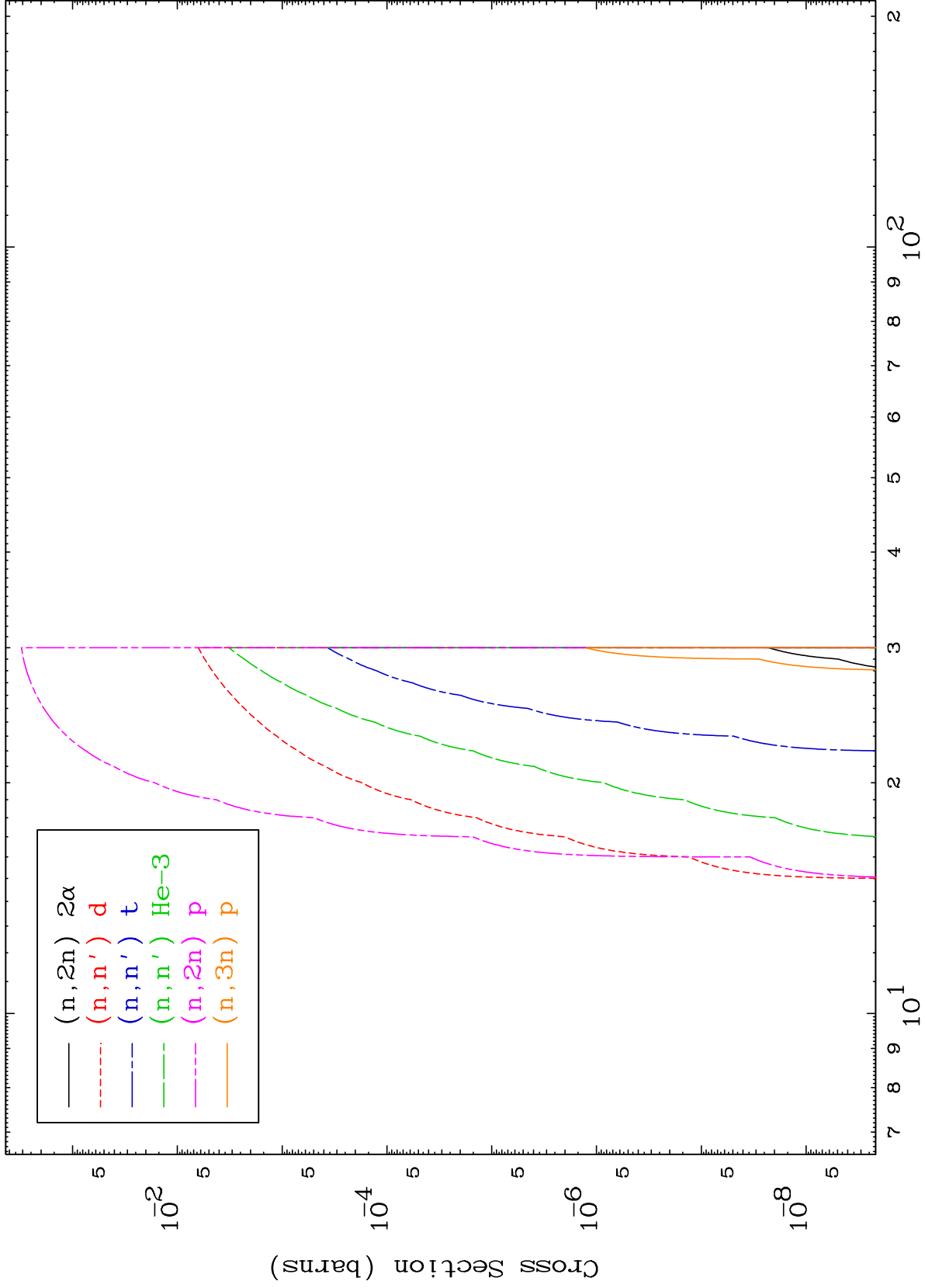


MAT 5799

Neutron Production
293 Kelvin Cross Sections

58-Ce-127

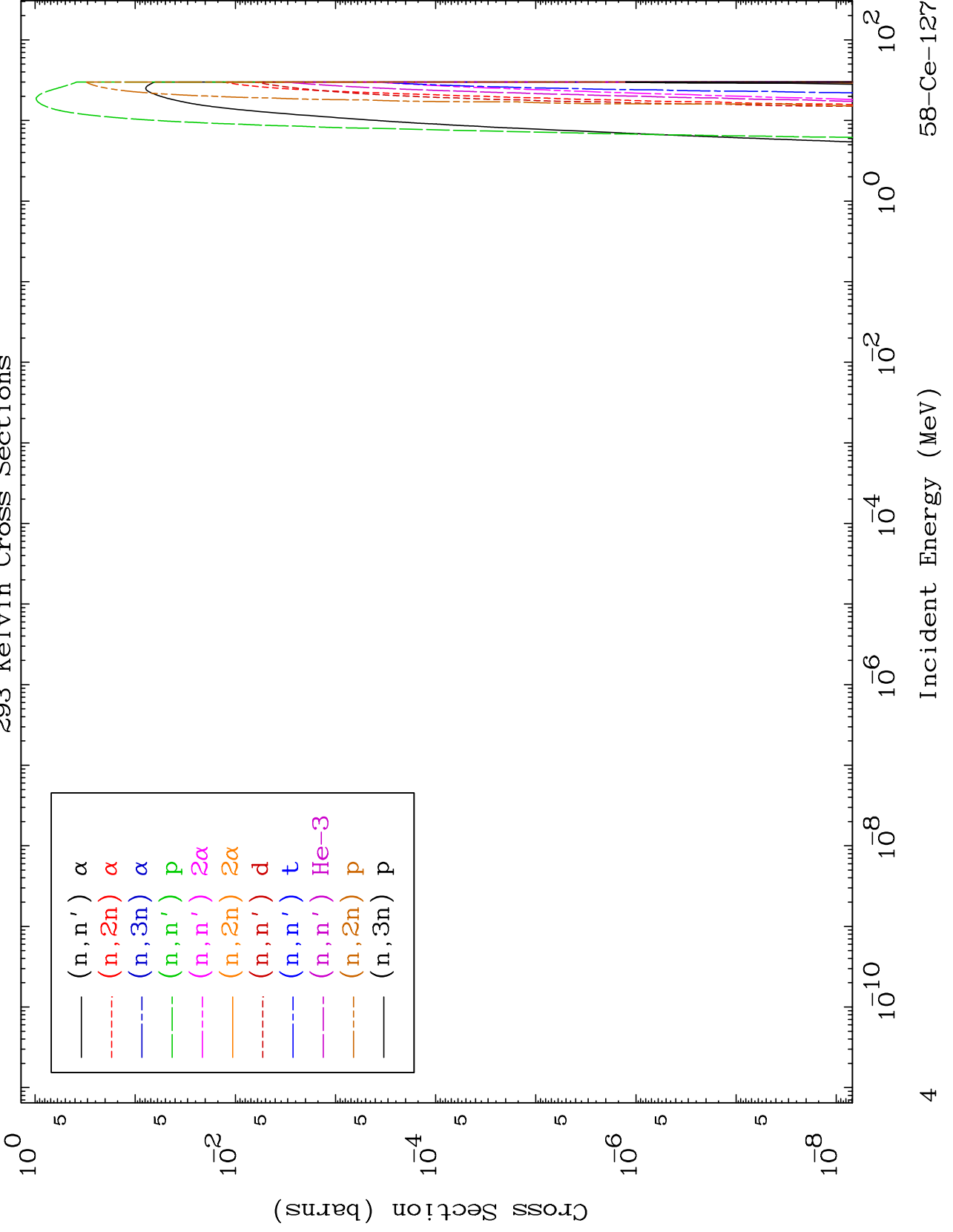




MAT 5799

Charged Particle
293 Kelvin Cross Sections

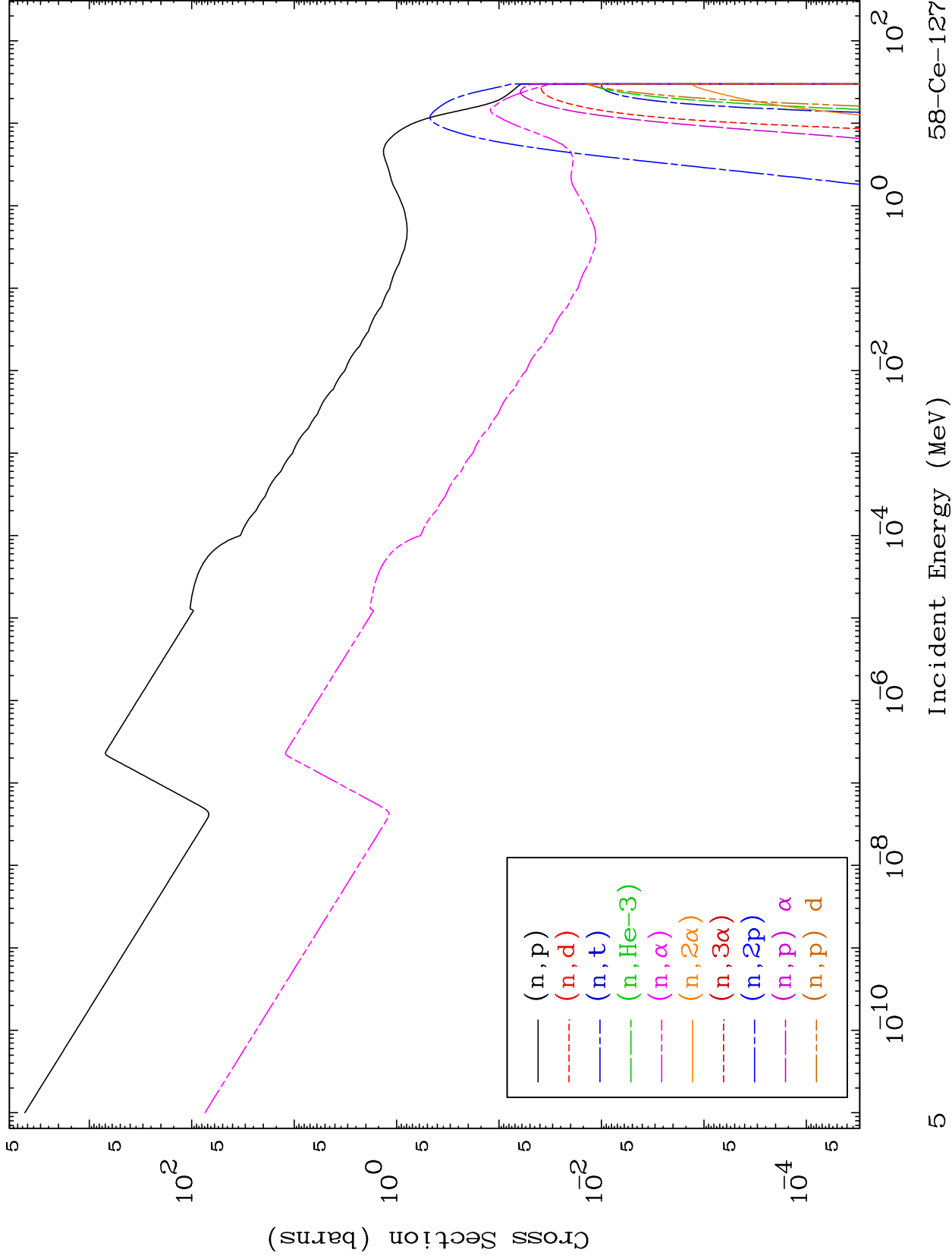
58-Ce-127



MAT 5799

Charged Particle
293 Kelvin Cross Sections

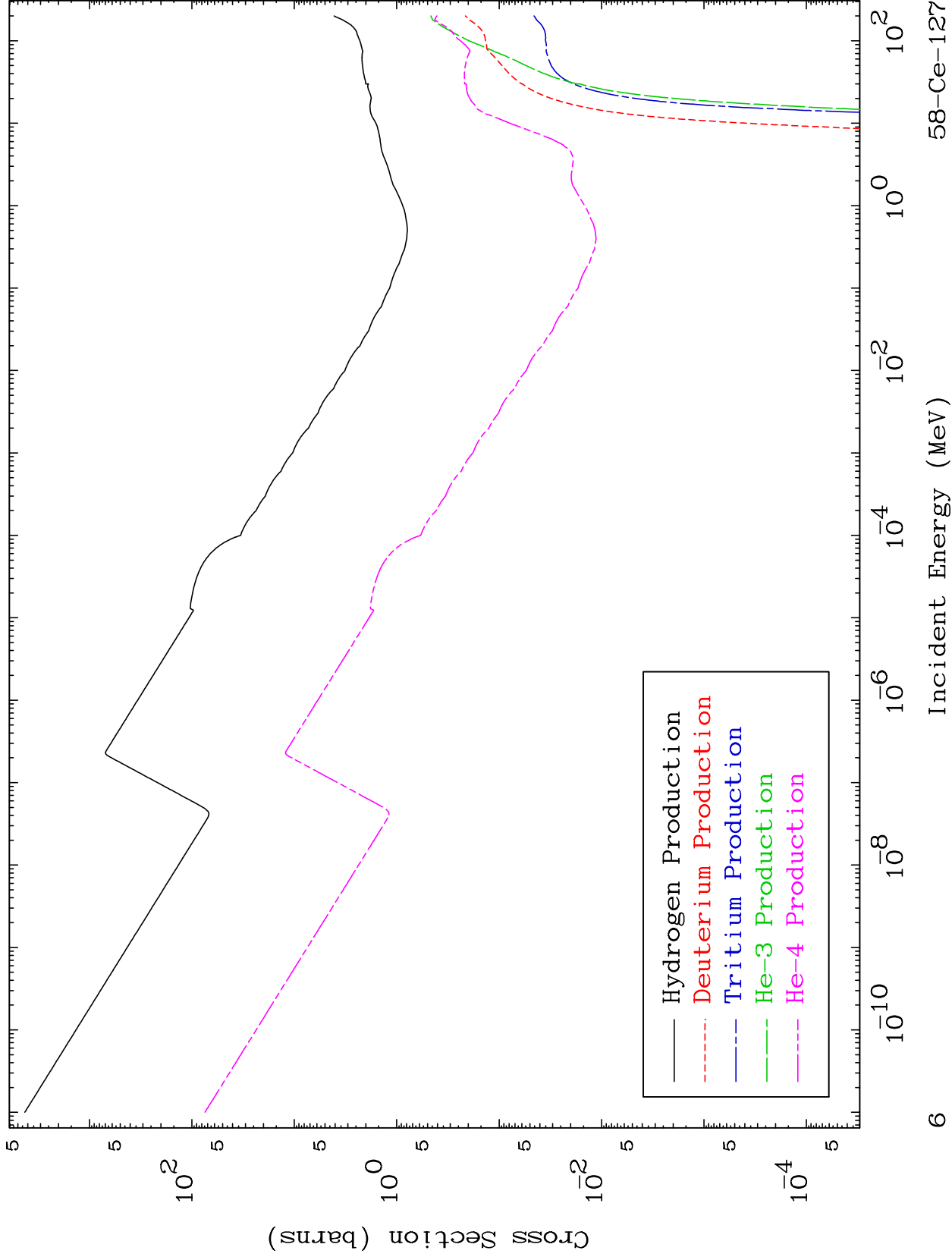
58-Ce-127

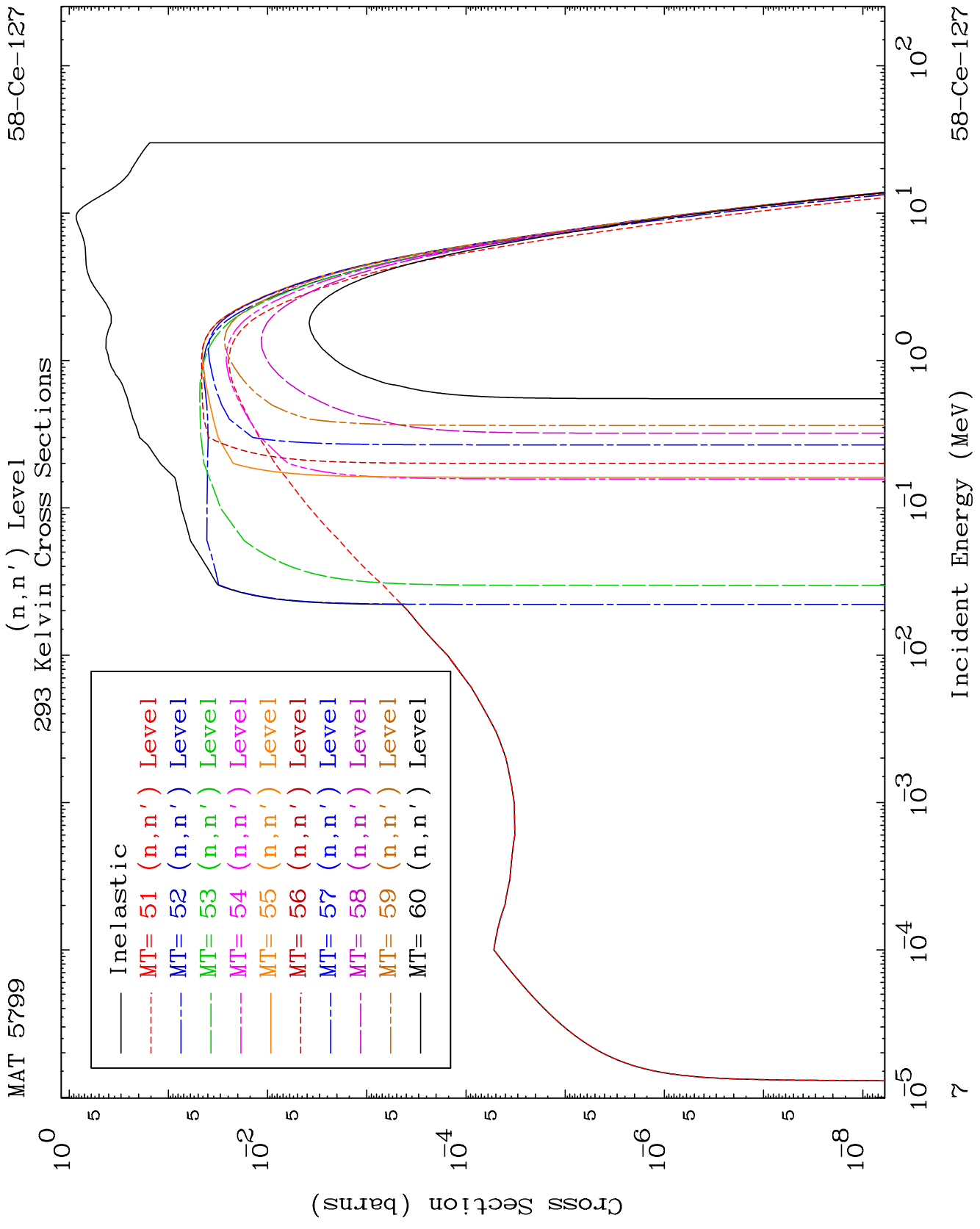


MAT 5799

Particle Production
293 Kelvin Cross Sections

58-Ce-127



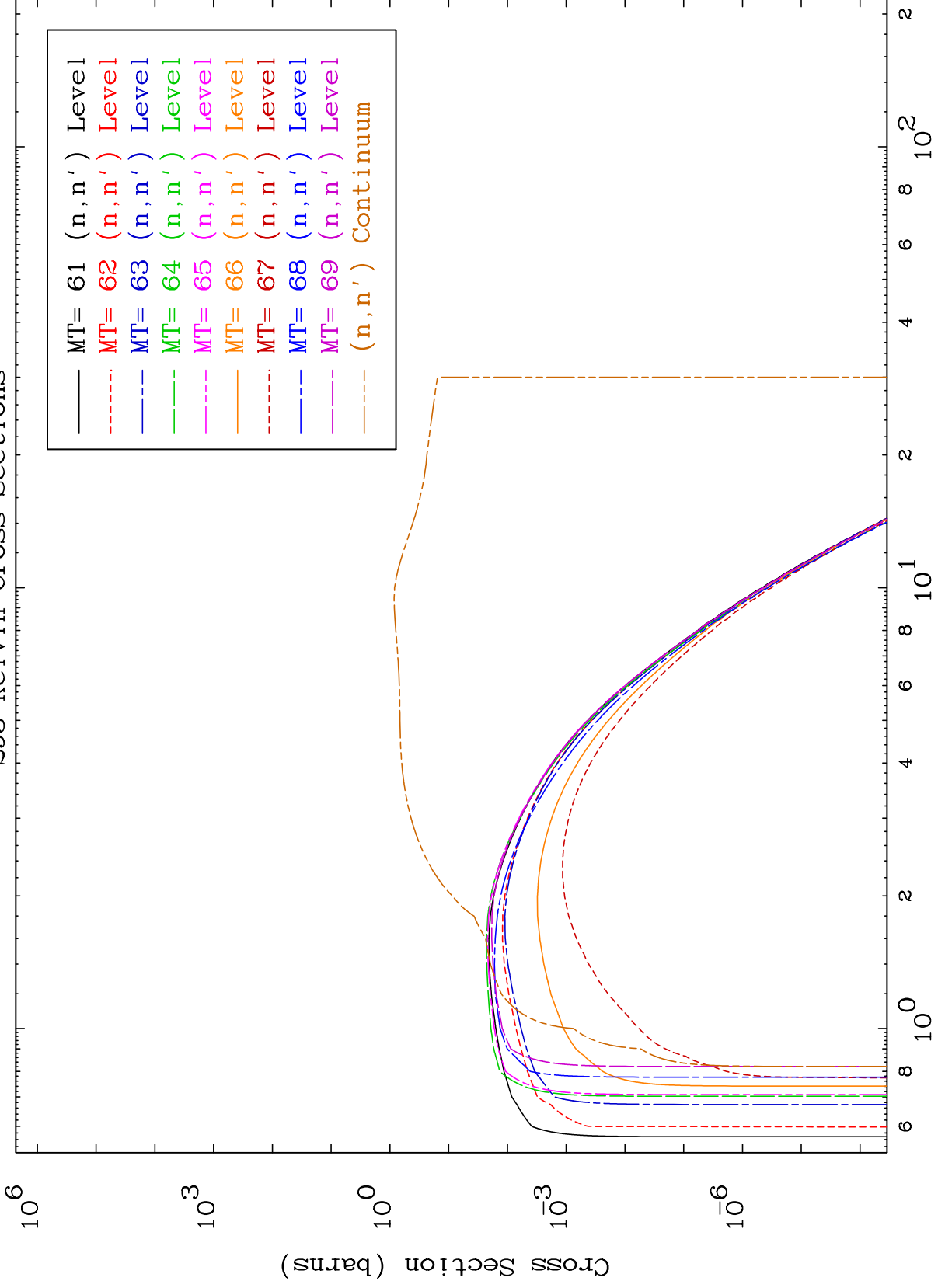


MAT 5799

(n,n') Level

58-Ce-127

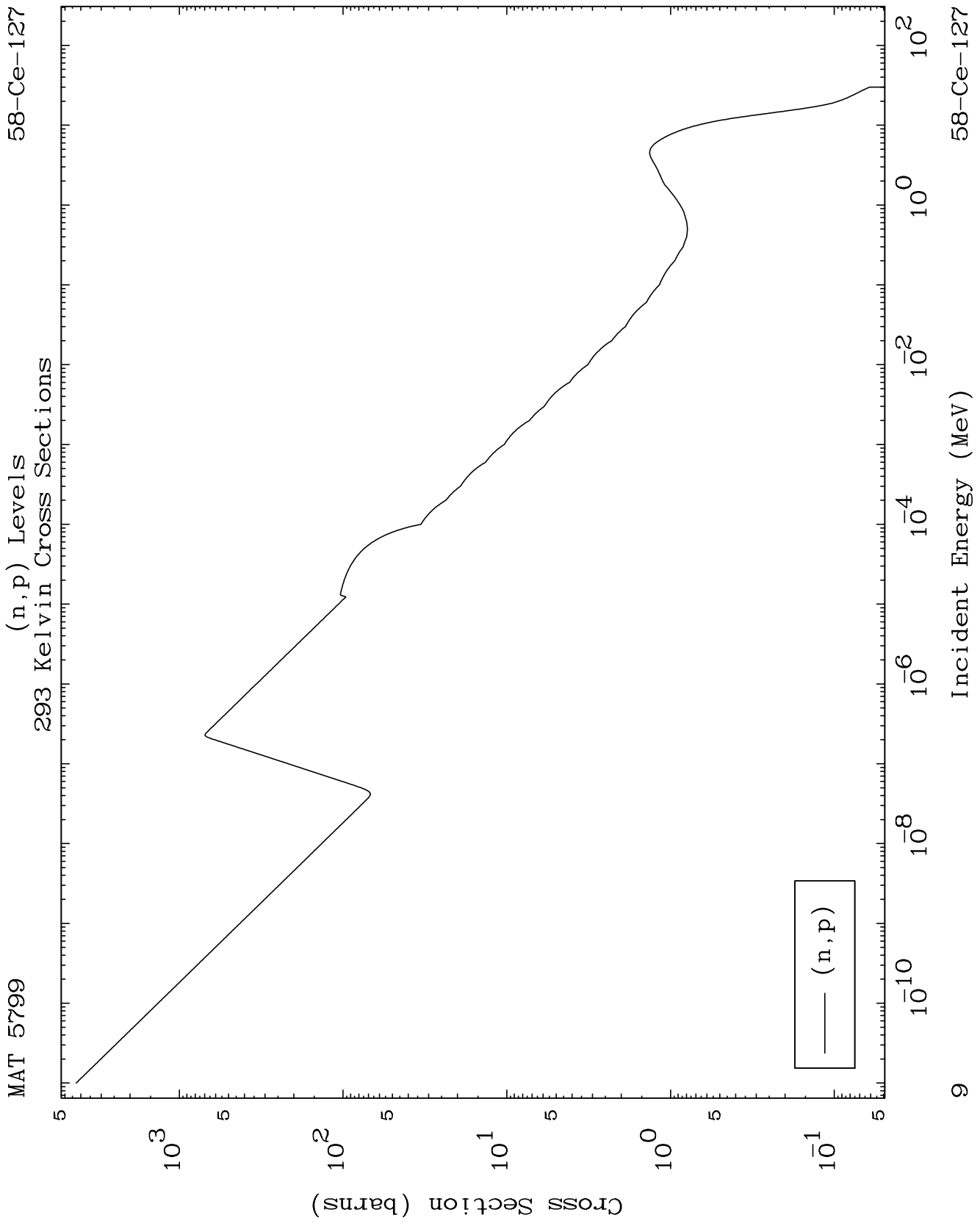
293 Kelvin Cross Sections



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Incident Energy (MeV)

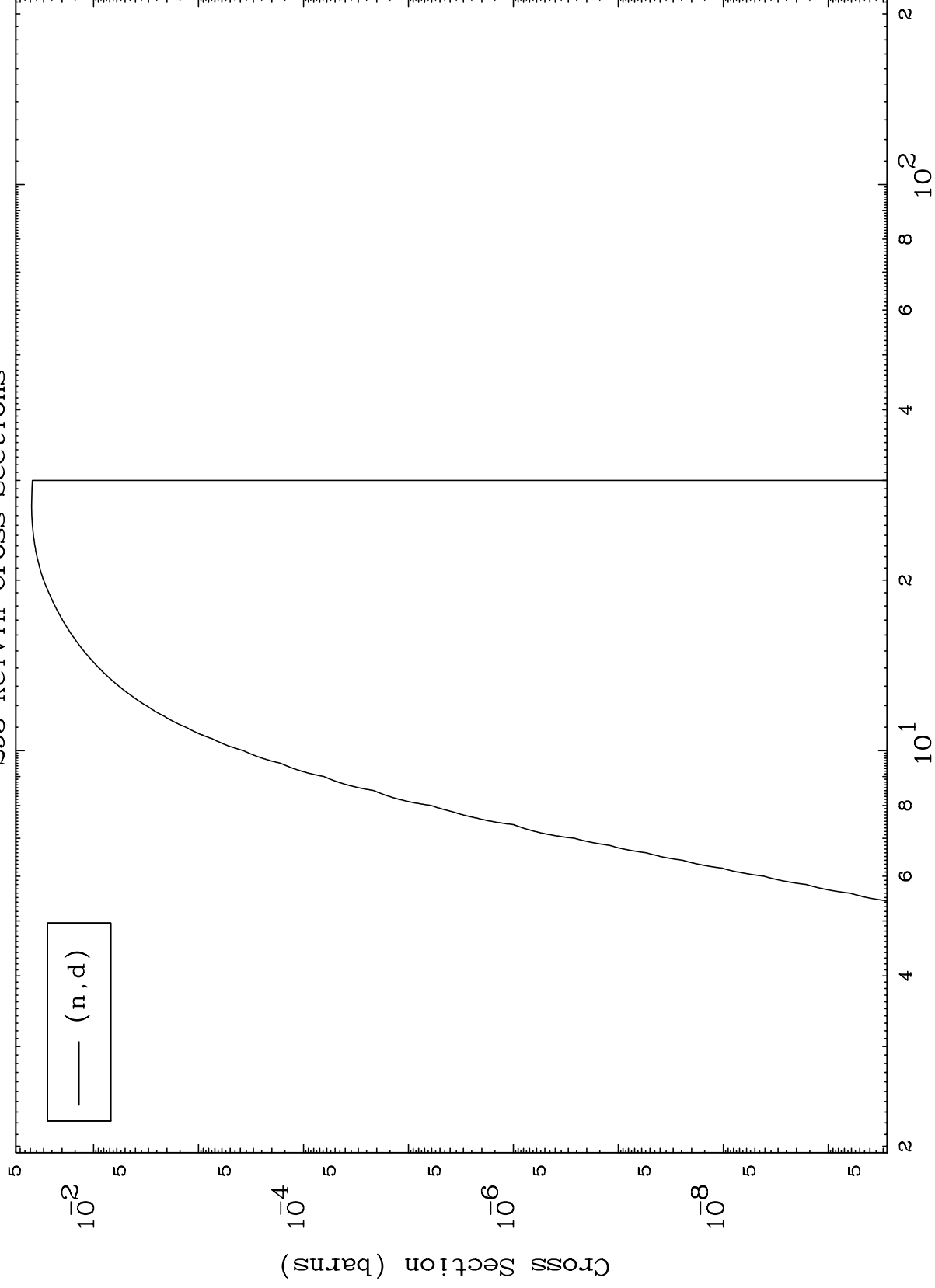
58-Ce-127



MAT 5799

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-127



10

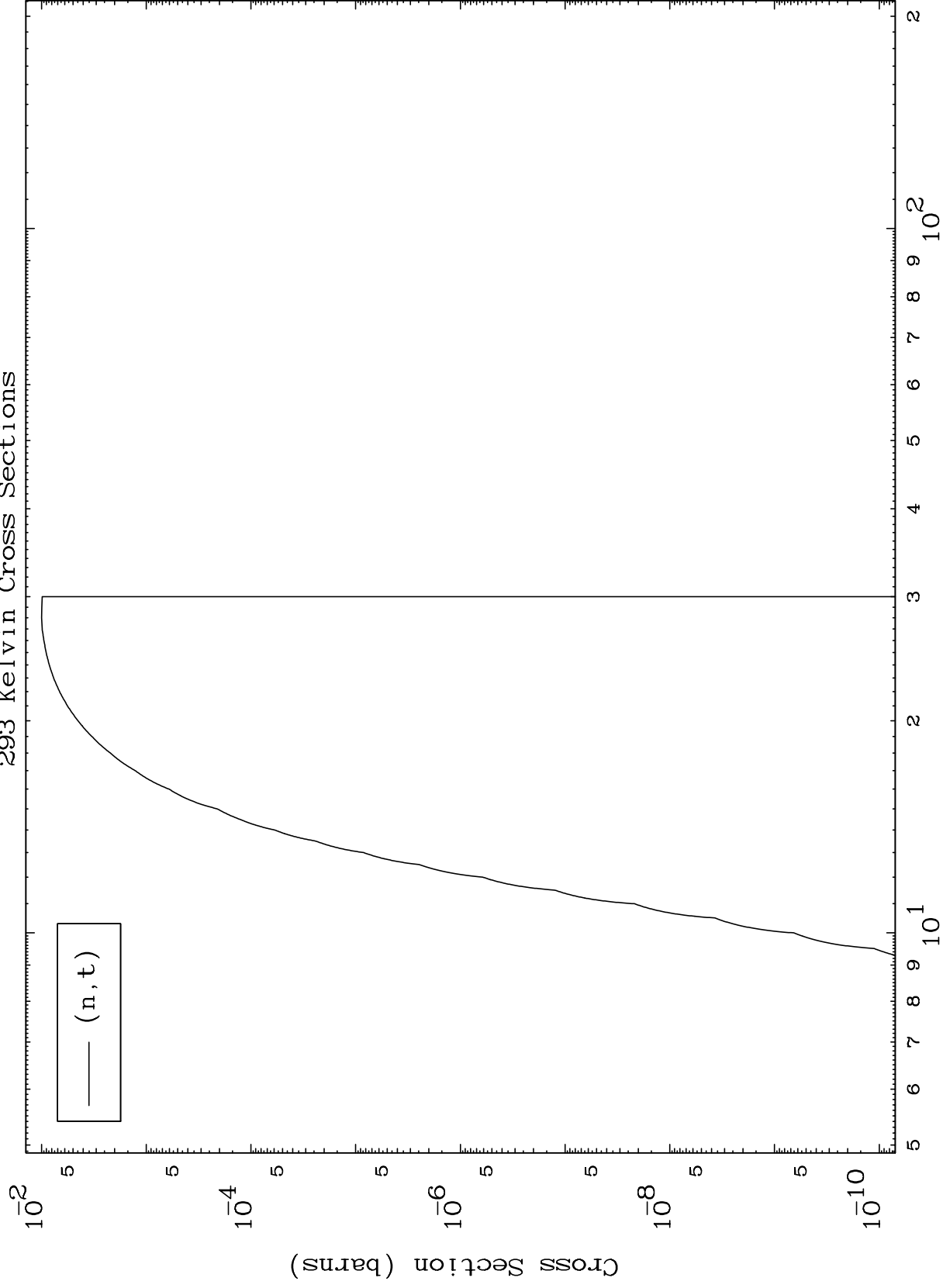
Incident Energy (MeV)

58-Ce-127

MAT 5799

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-127



11

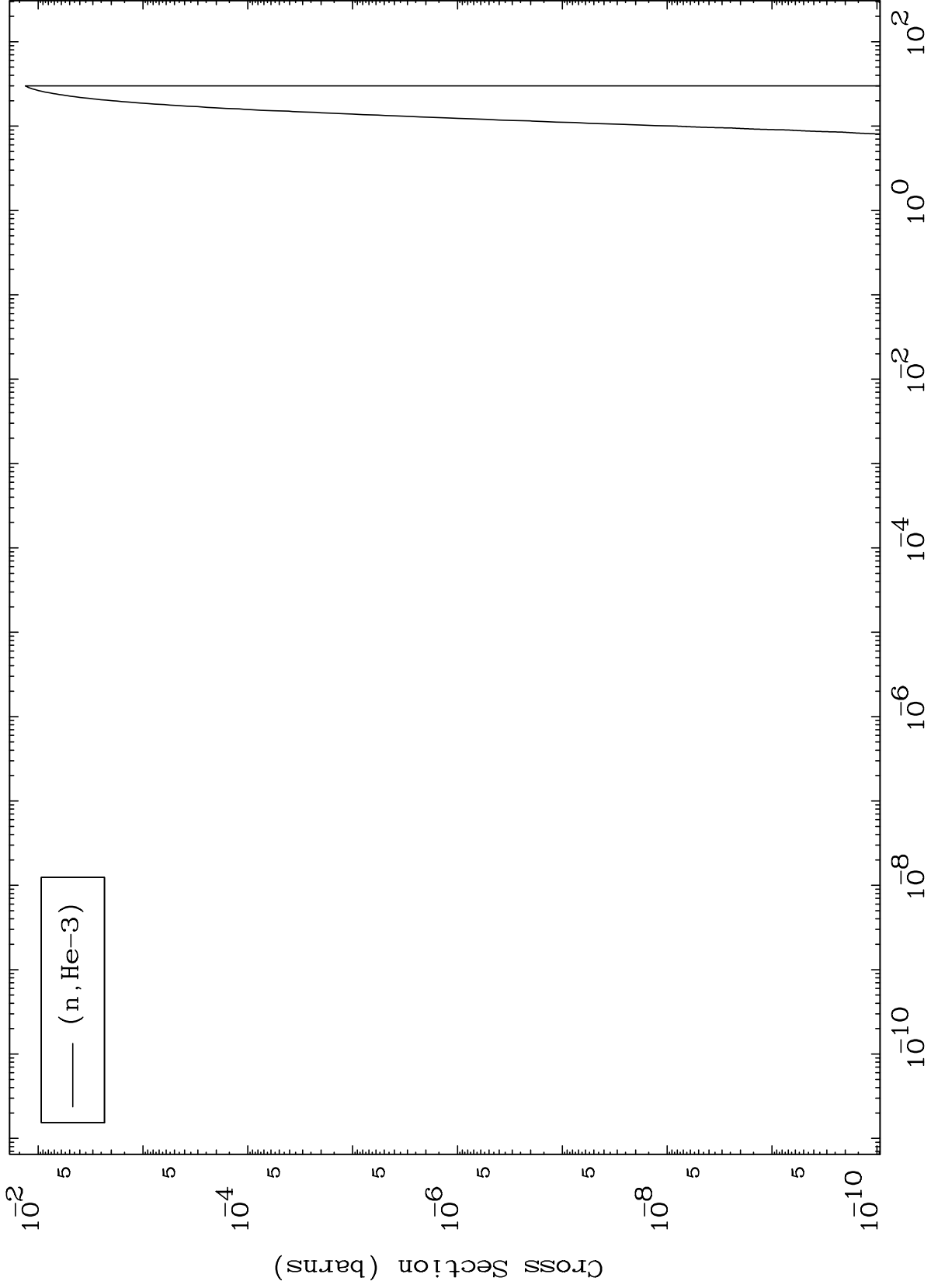
Incident Energy (MeV)

58-Ce-127

MAT 5799

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-127



12

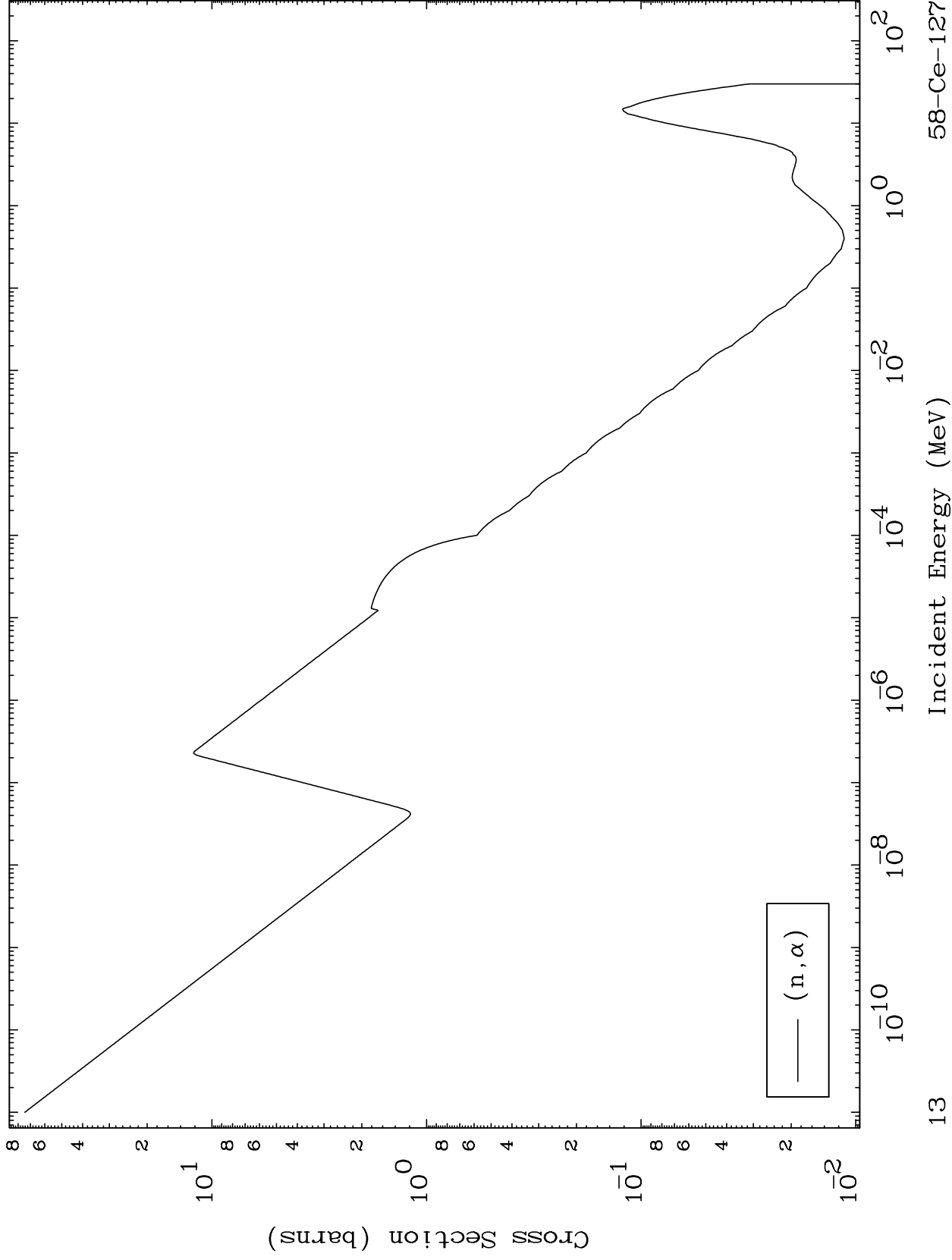
Incident Energy (MeV)

58-Ce-127

MAT 5799

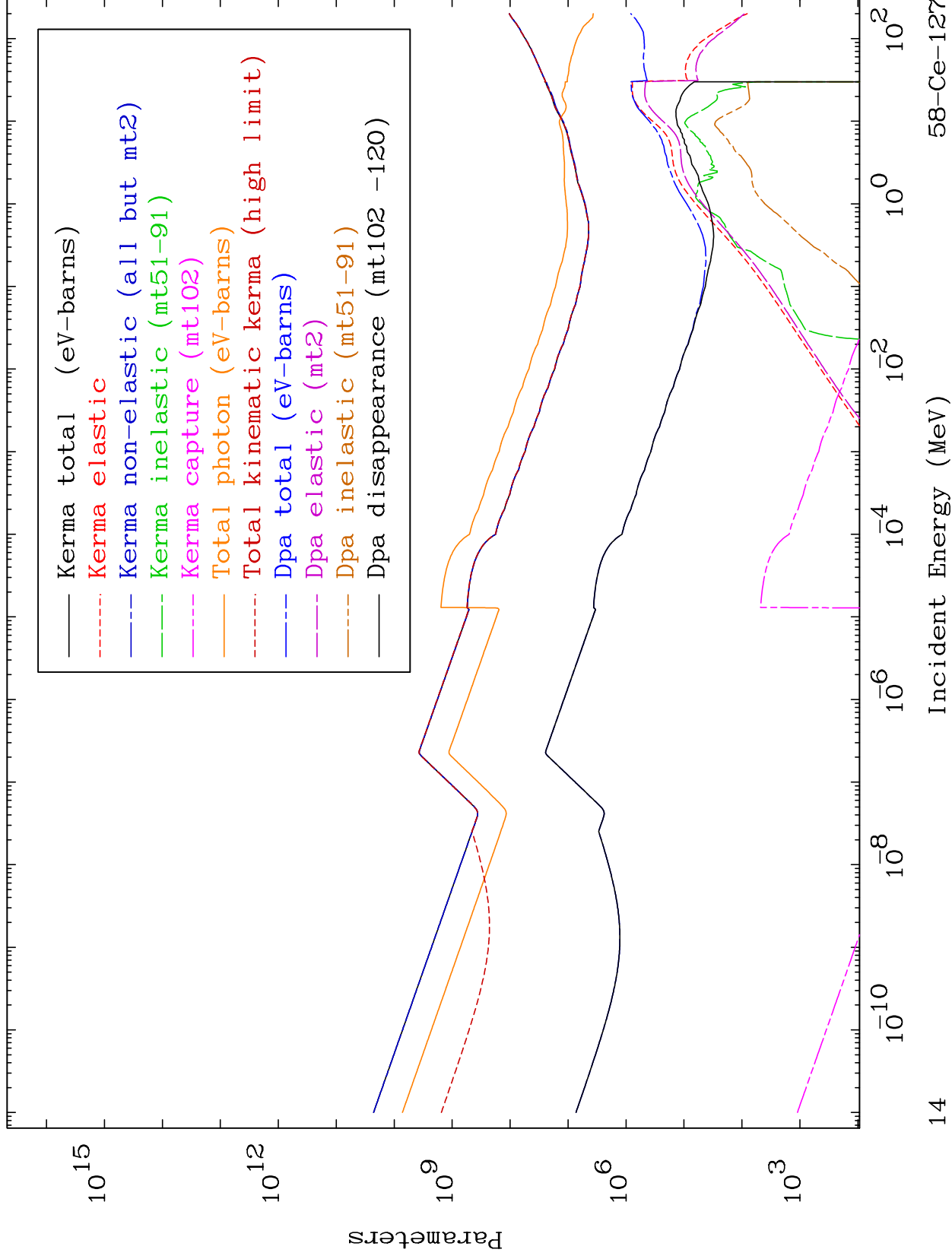
(n,α) Levels
293 Kelvin Cross Sections

58-Ce-127



13

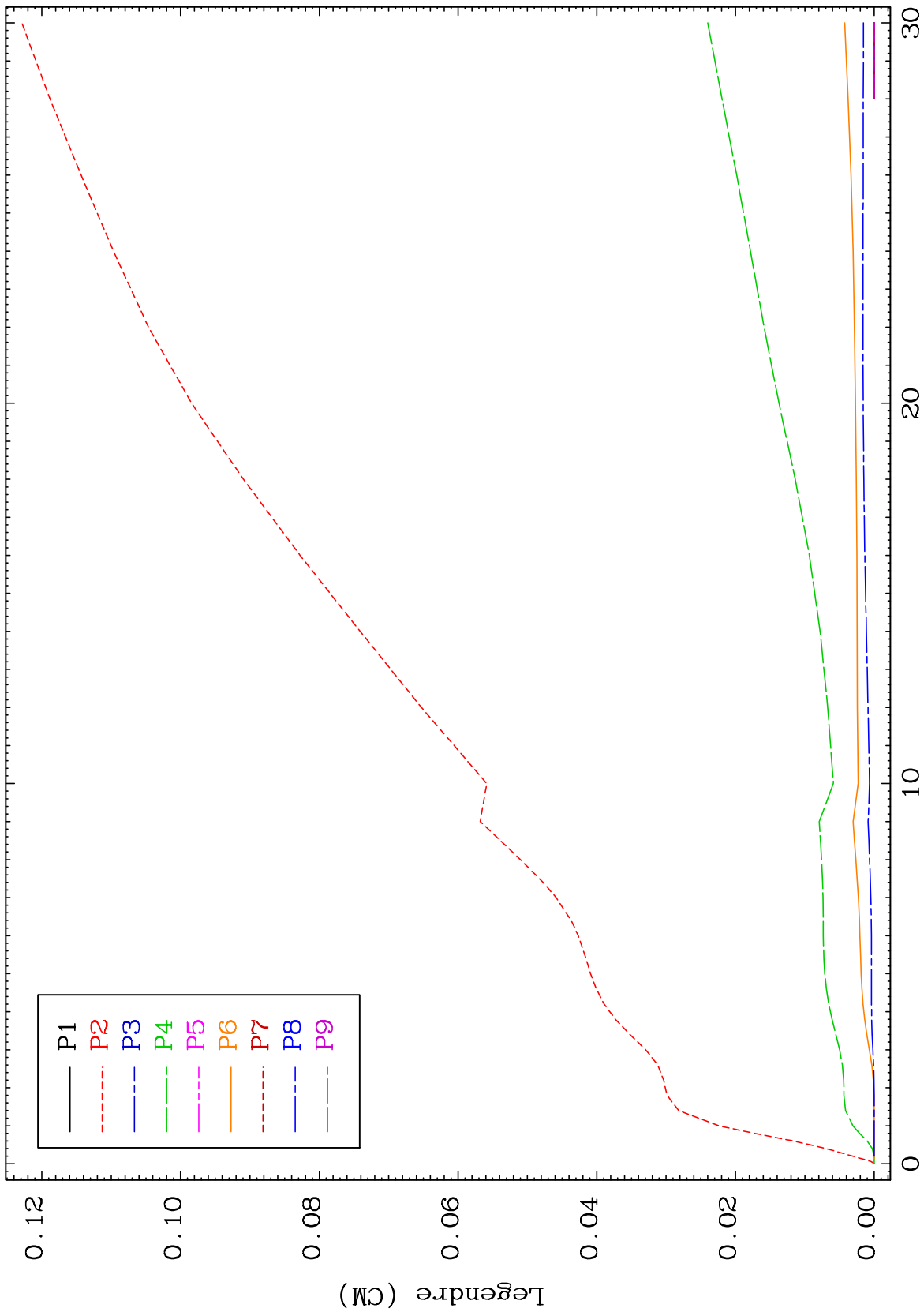
58-Ce-127



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Elastic Legendre Coefficients

58-Ce-127



58-Ce-127

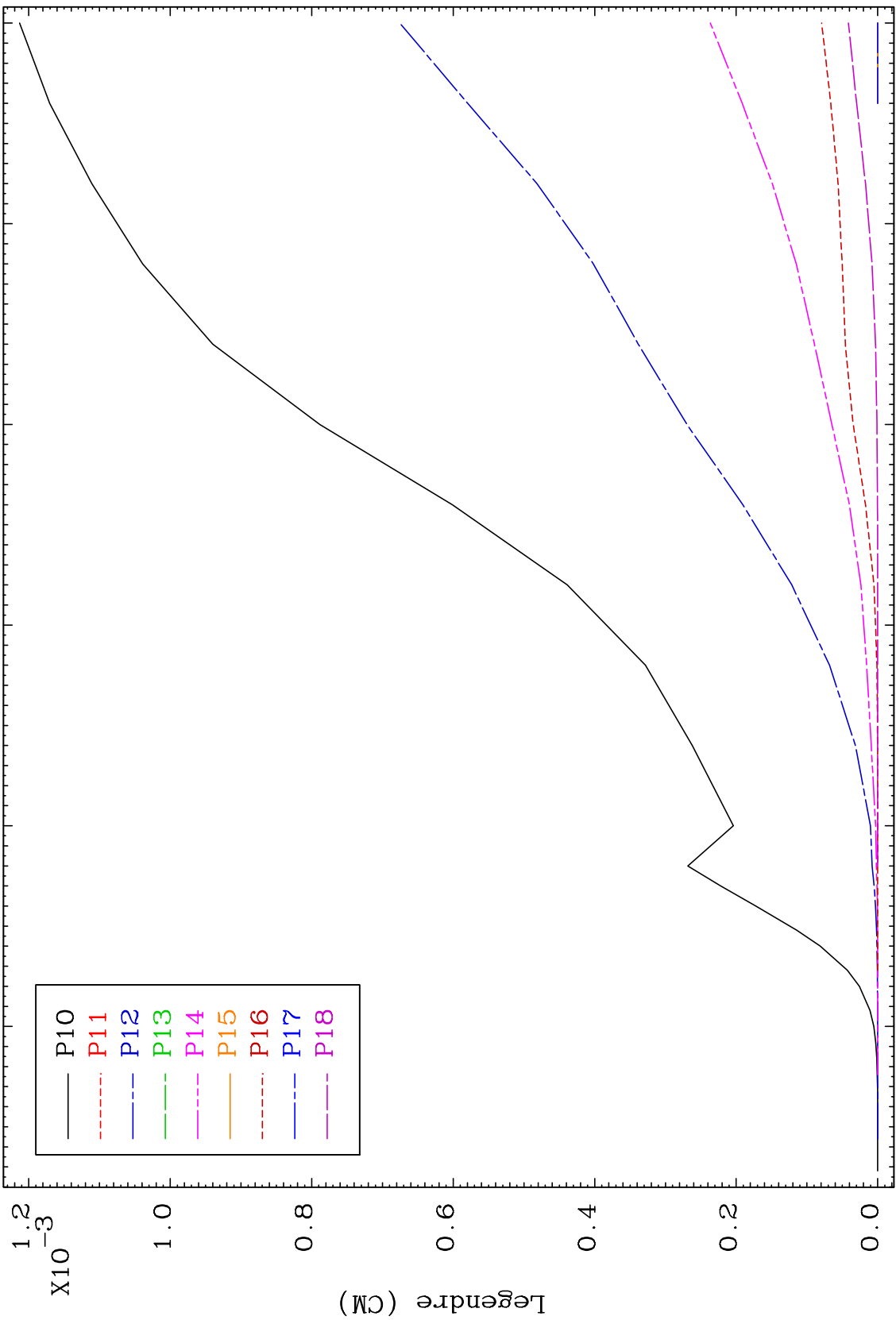
Incident Energy (MeV)

15

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Elastic Legendre Coefficients

58-Ce-127



16

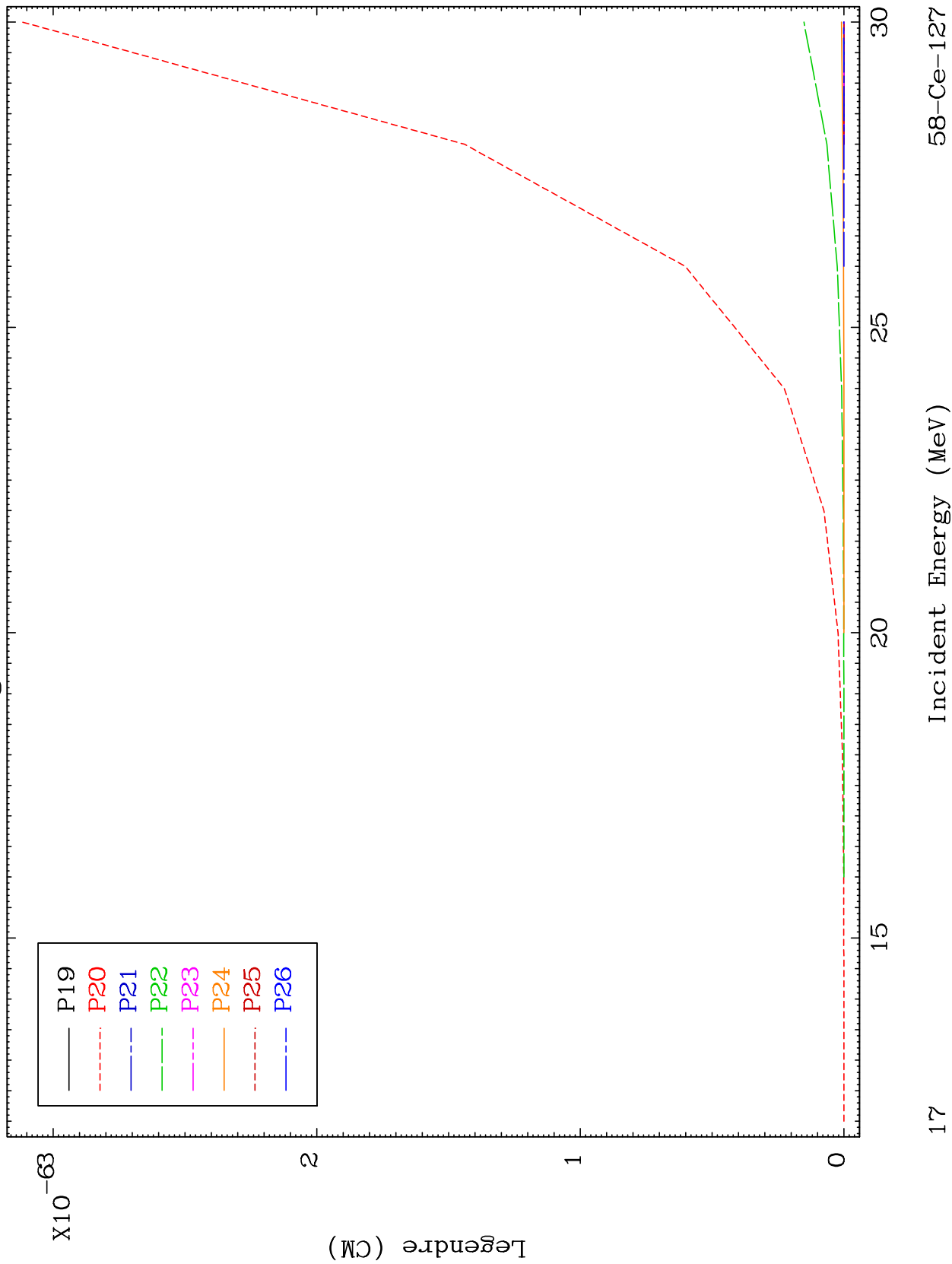
58-Ce-127

Incident Energy (MeV)

MAT 5799

Elastic
Legendre Coefficients

58-Ce-127



17

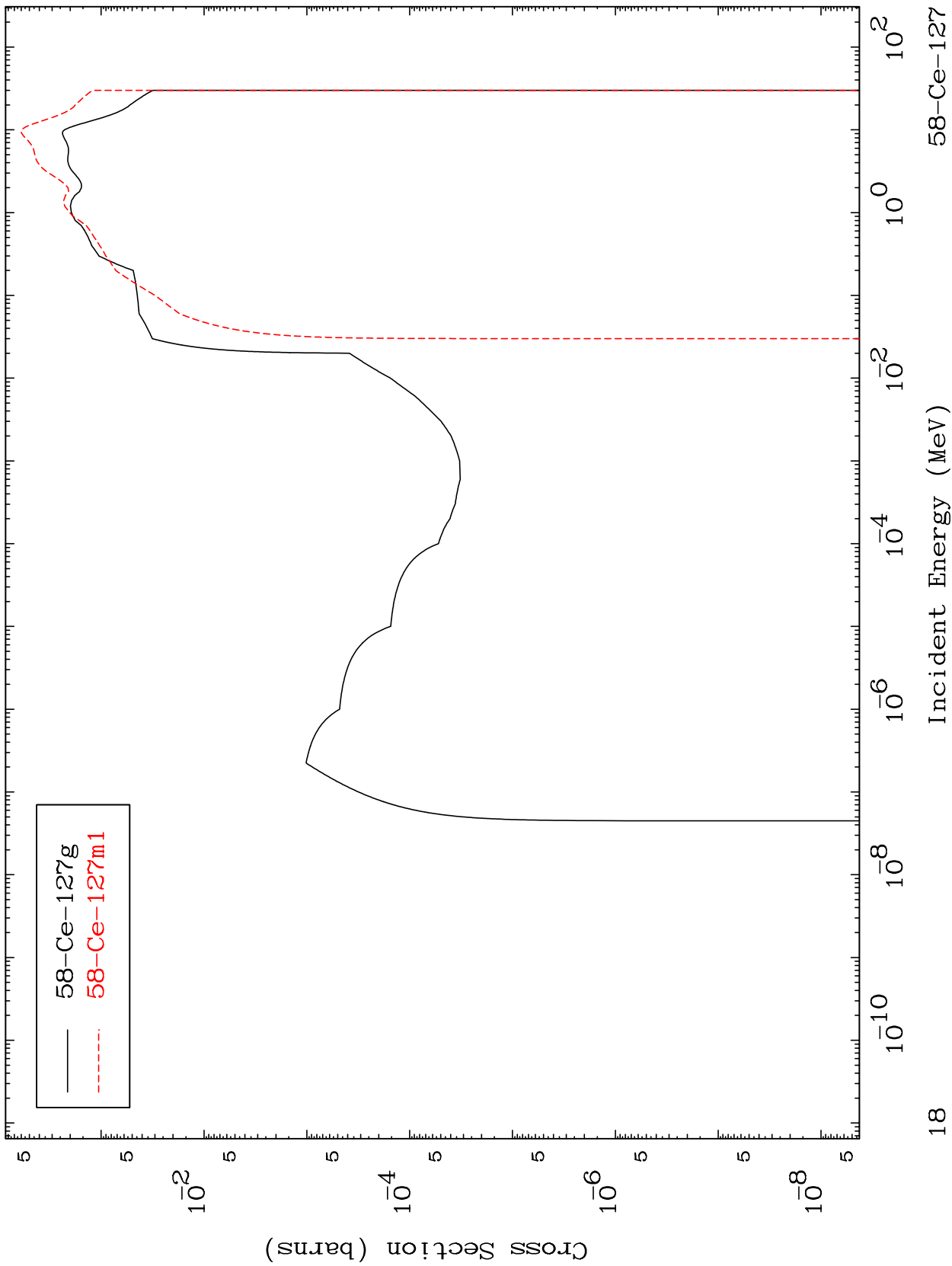
Incident Energy (MeV)

58-Ce-127

MAT 5799

58-Ce-127

Inelastic
Radionuclide Production Cross Section

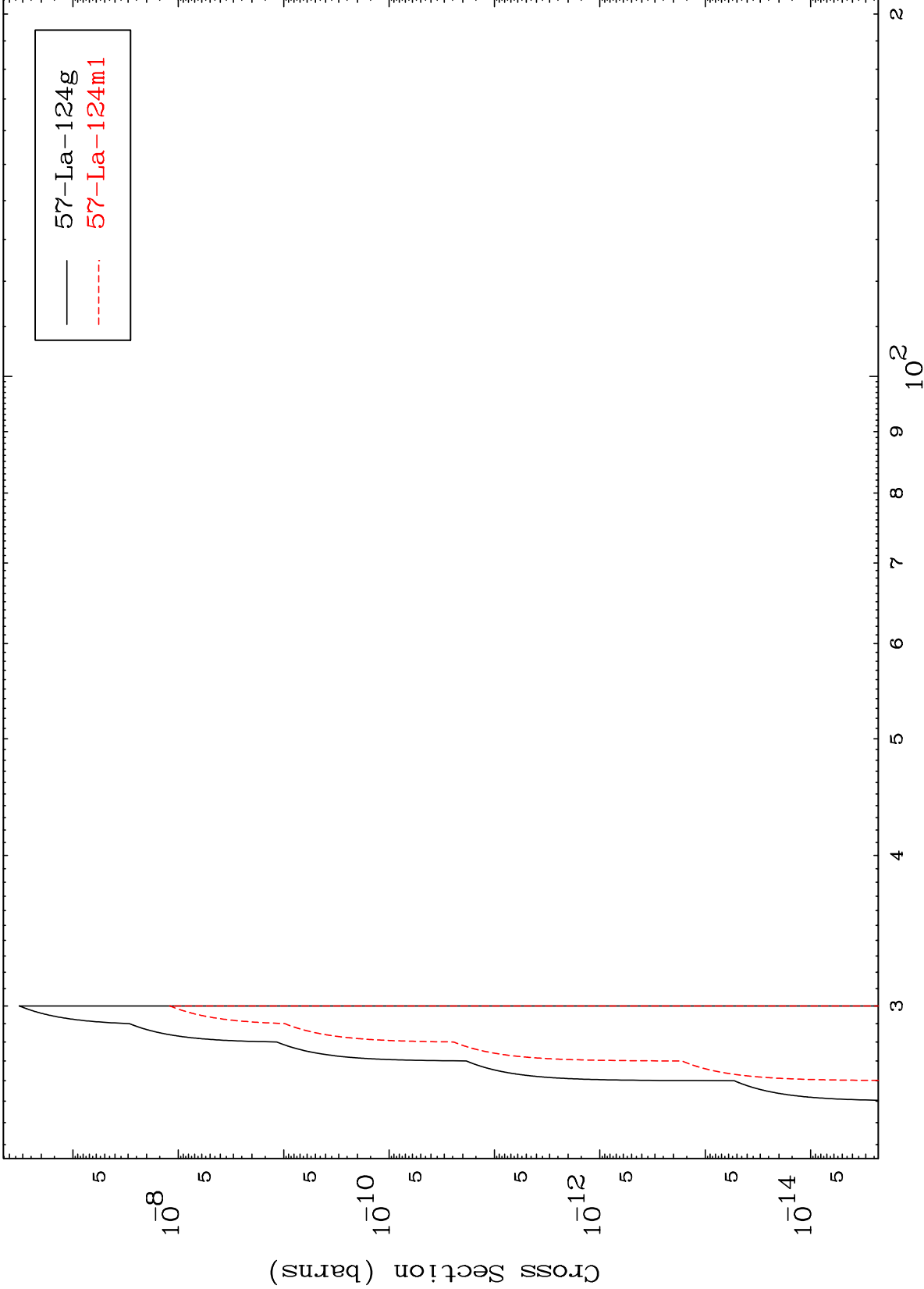


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(n,2n) d

58-Ce-127

Radionuclide Production Cross Section



19

Incident Energy (MeV)

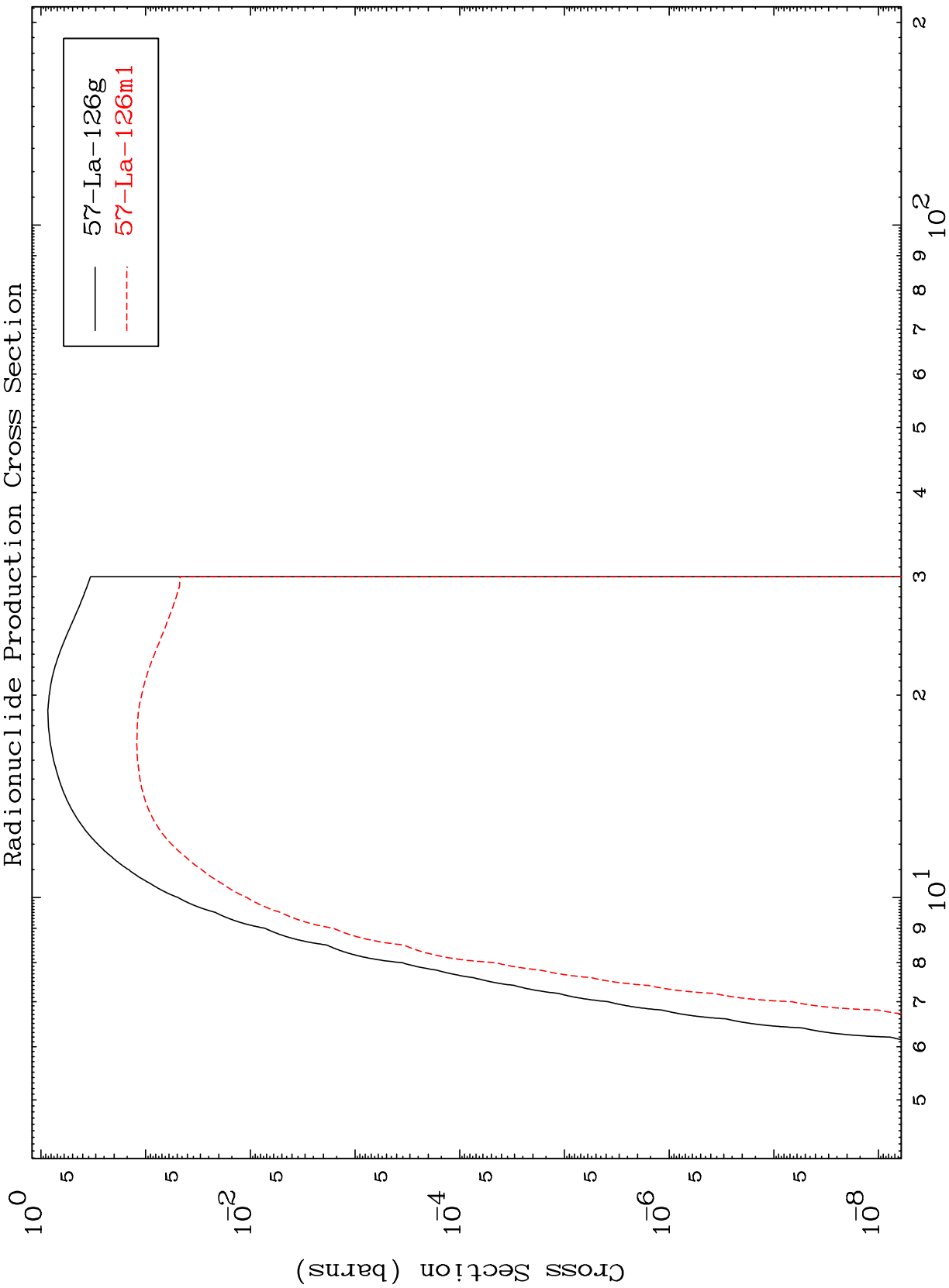
58-Ce-127

MAT 5799

(n,n') p

58-Ce-127

Radionuclide Production Cross Section

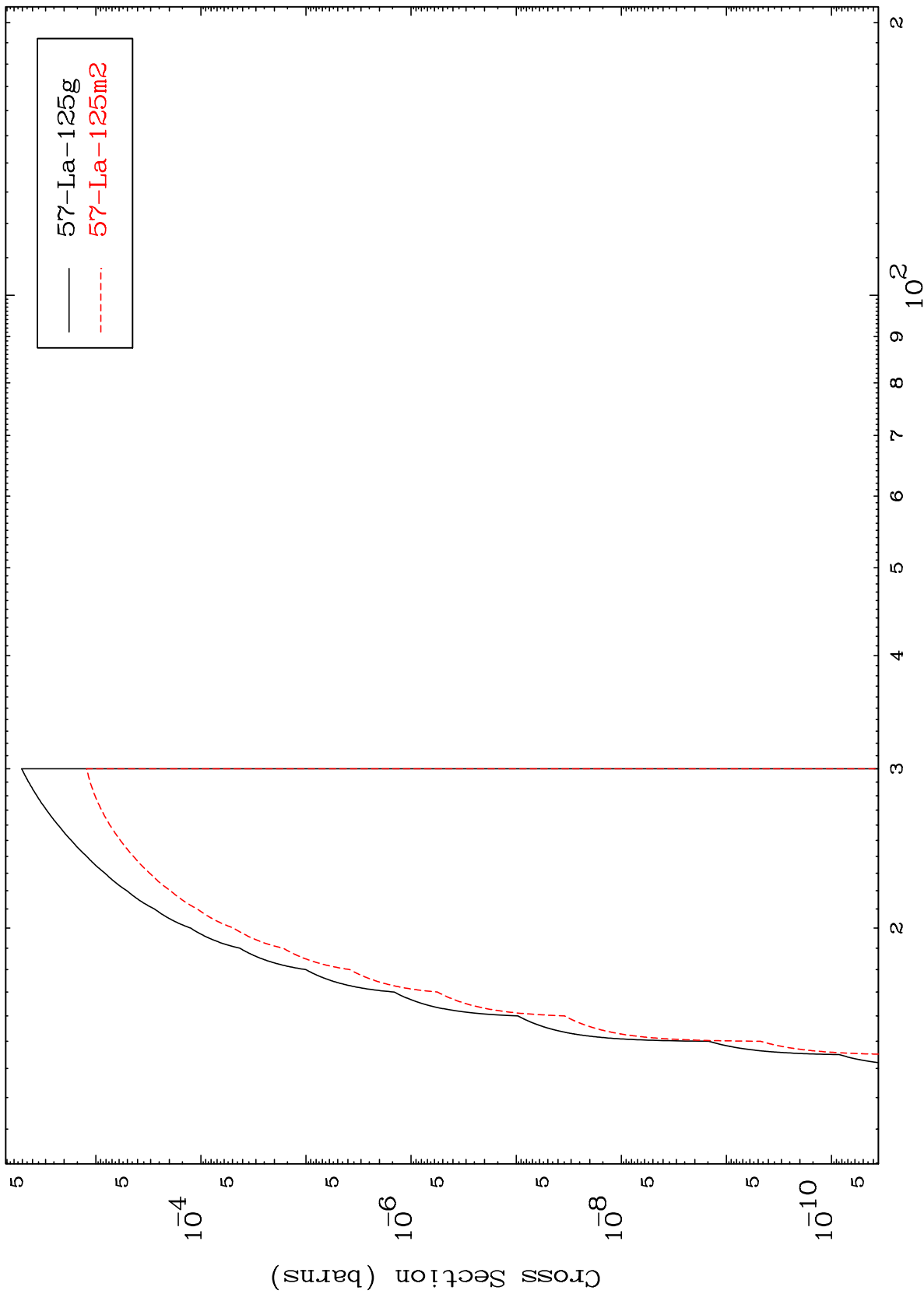


20

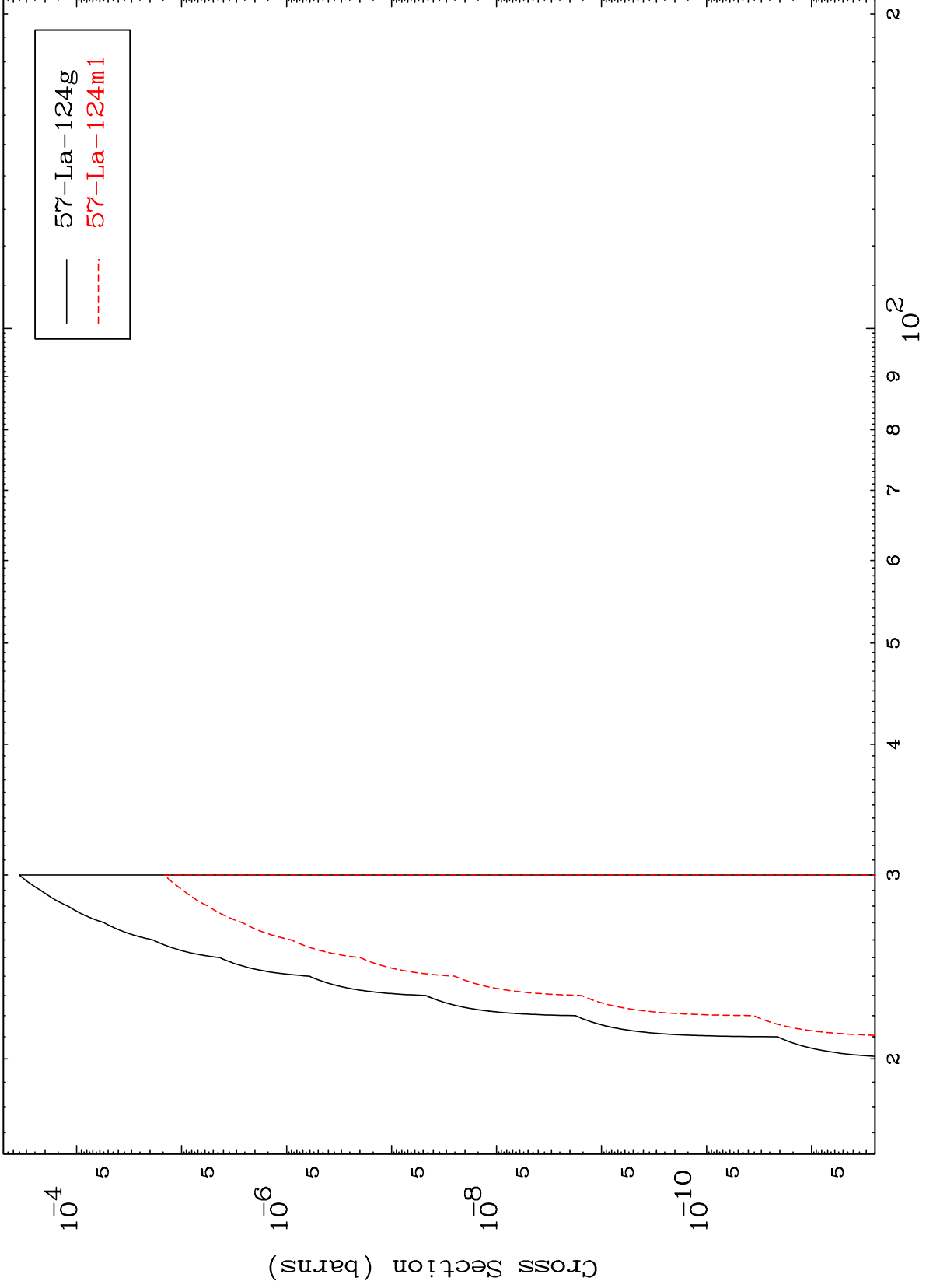
Incident Energy (MeV)

58-Ce-127

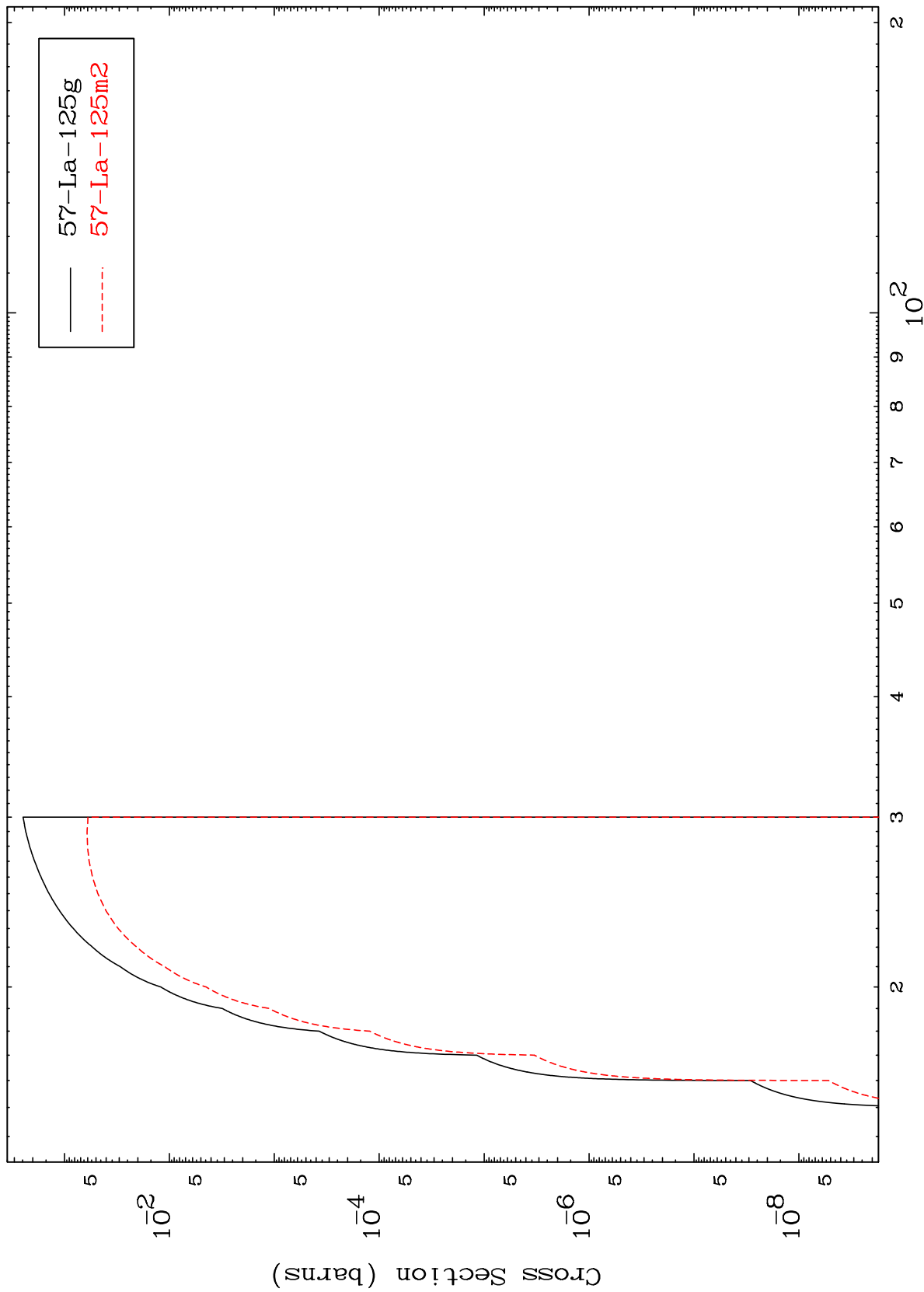
Radionuclide Production Cross Section



Radionuclide Production Cross Section



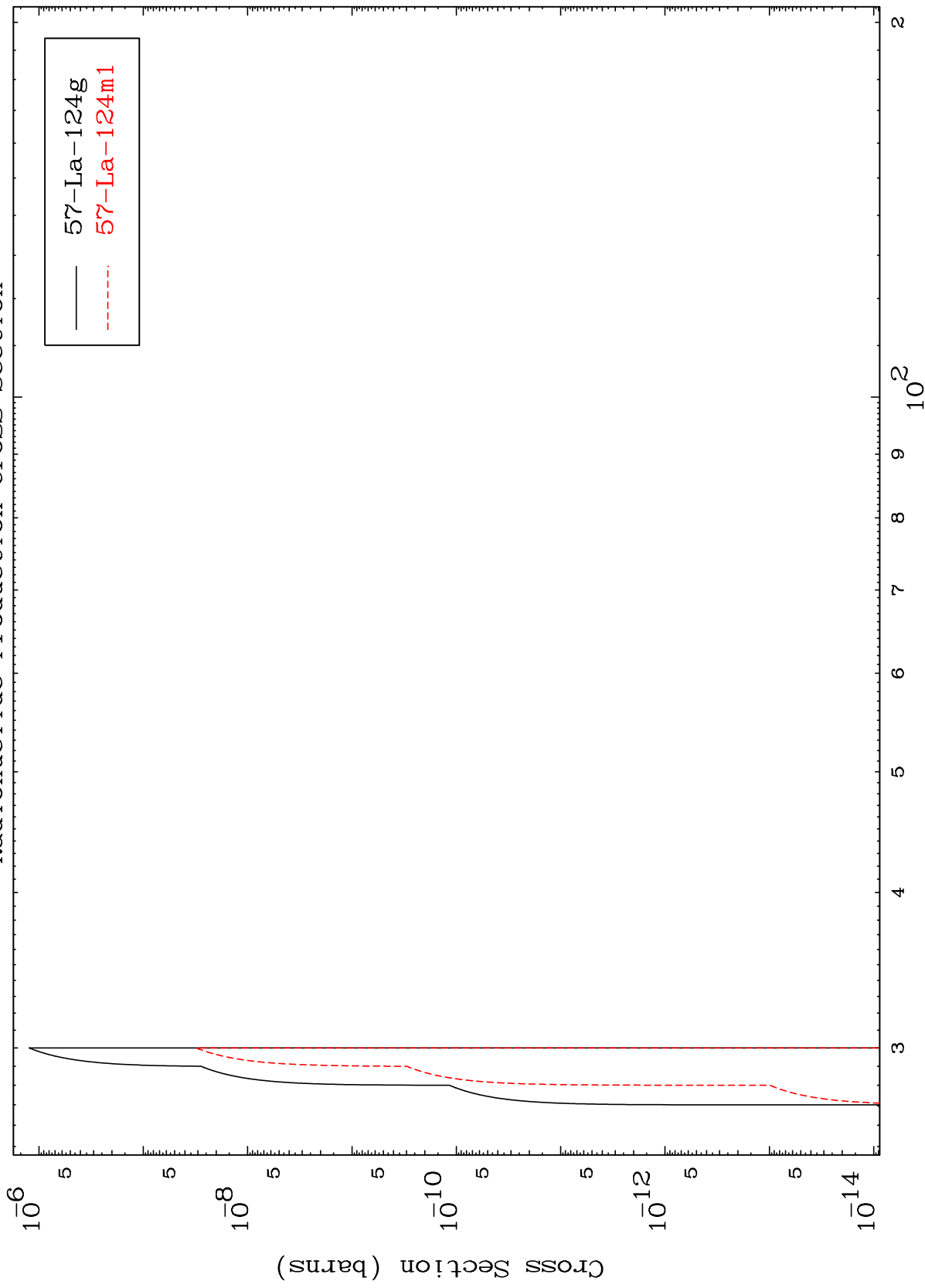
Radionuclide Production Cross Section



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58-Ce-127

(n,3n) p
Radionuclide Production Cross Section



24

58-Ce-127

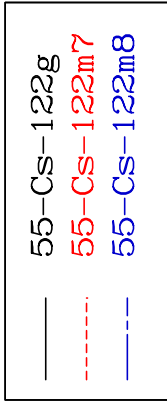
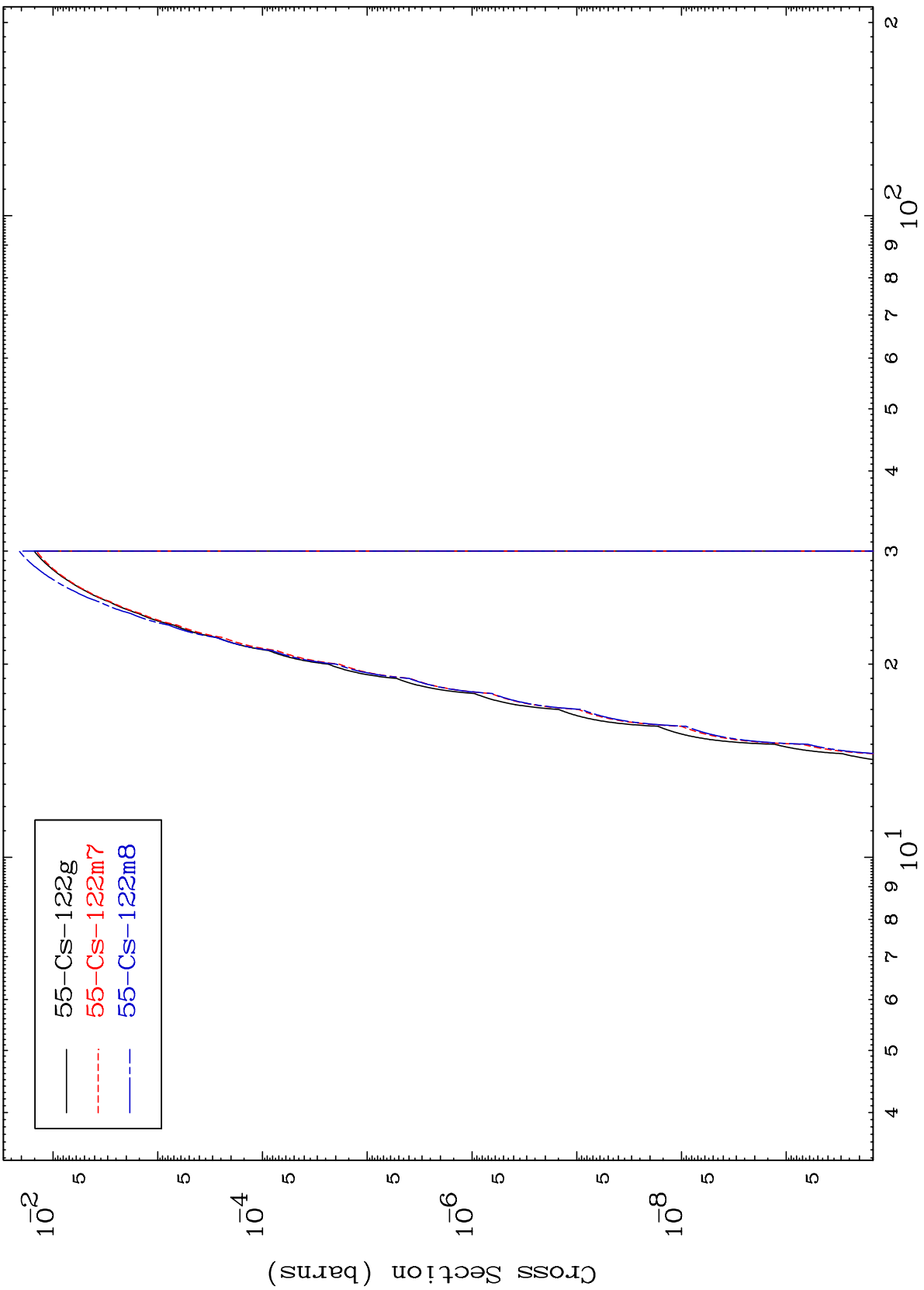
Incident Energy (MeV)

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(n,n') p α

58-Ce-127

Radionuclide Production Cross Section



25

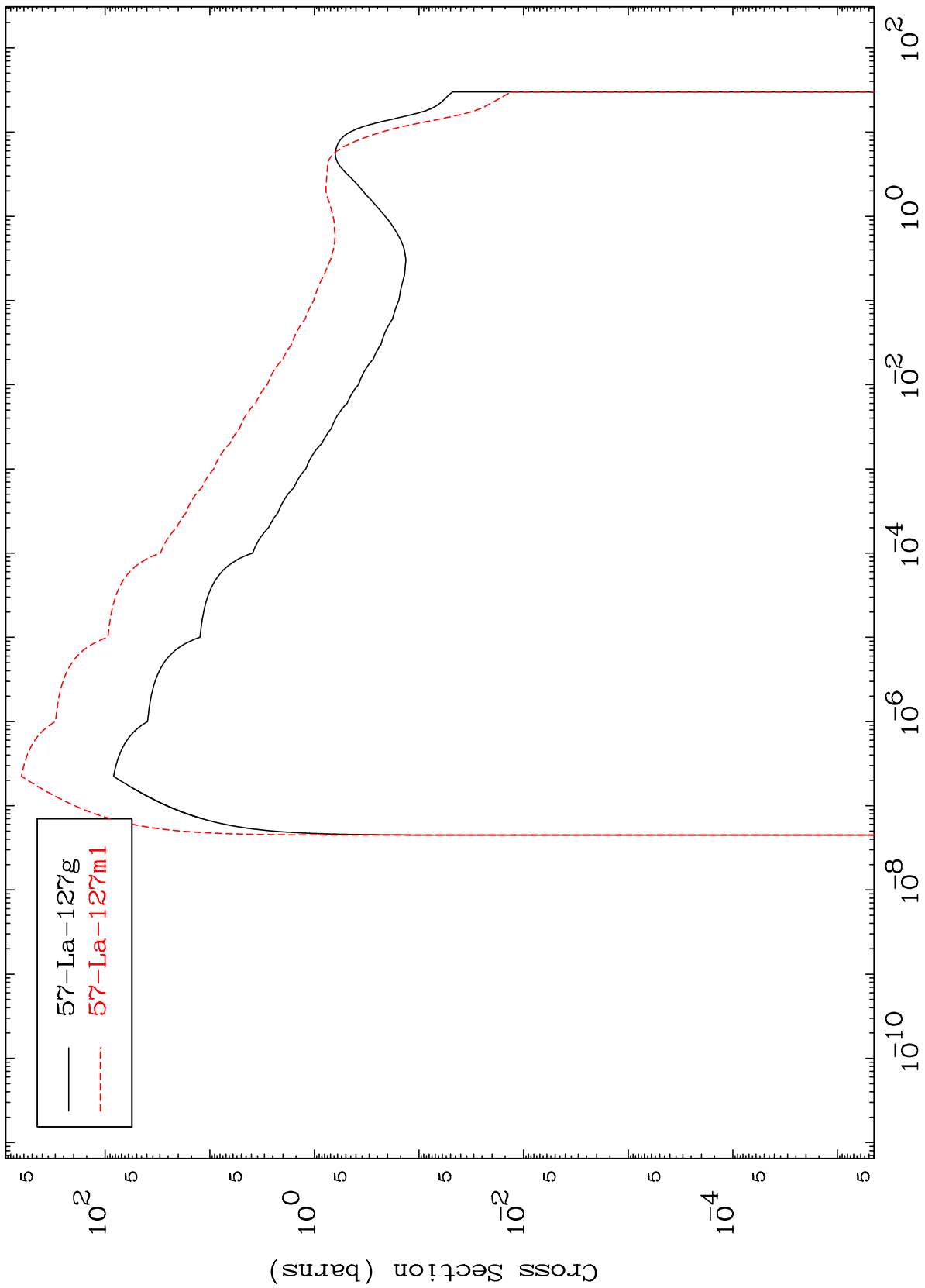
Incident Energy (MeV)

58-Ce-127

MAT 5799

58-Ce-127

(n,p)
Radionuclide Production Cross Section



— 57-La-127g
- - - 57-La-127m1

58-Ce-127

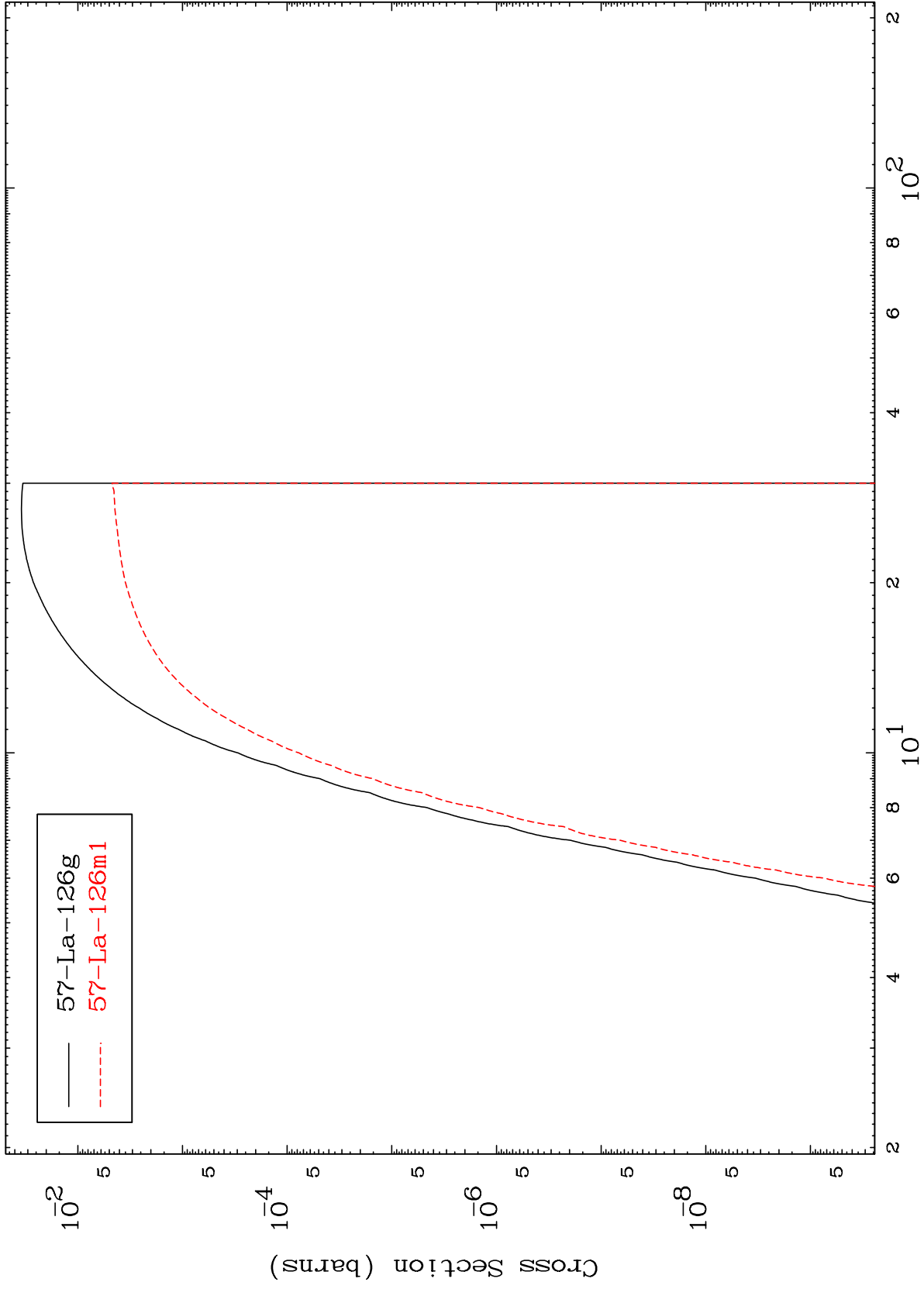
Incident Energy (MeV)

26

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58-Ce-127

(n,d)
Radionuclide Production Cross Section



— $^{57}\text{La-126g}$
- - - $^{57}\text{La-126m1}$

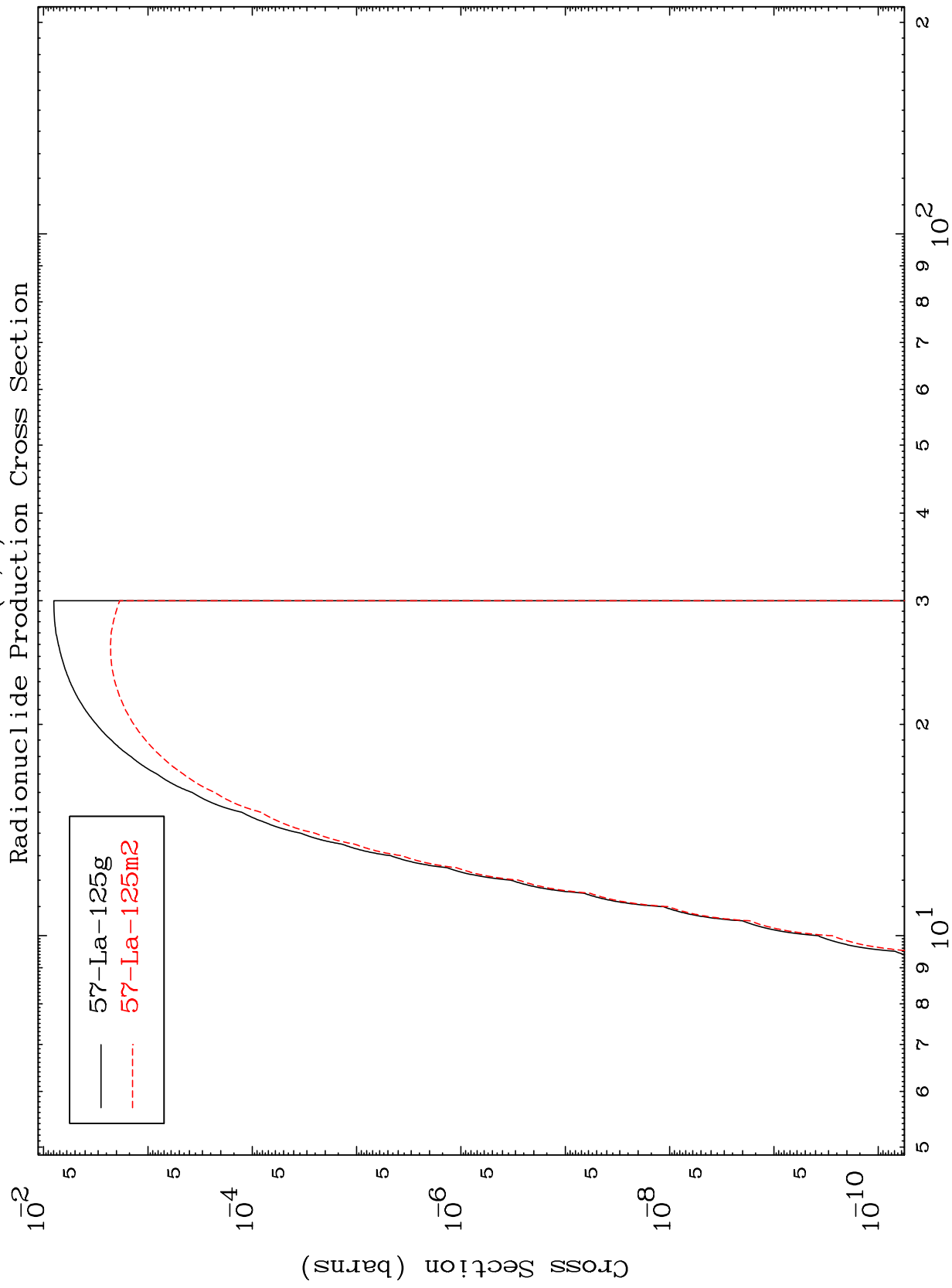
58-Ce-127

Incident Energy (MeV)

27

MAT 5799

58-Ce-127



28

Incident Energy (MeV)

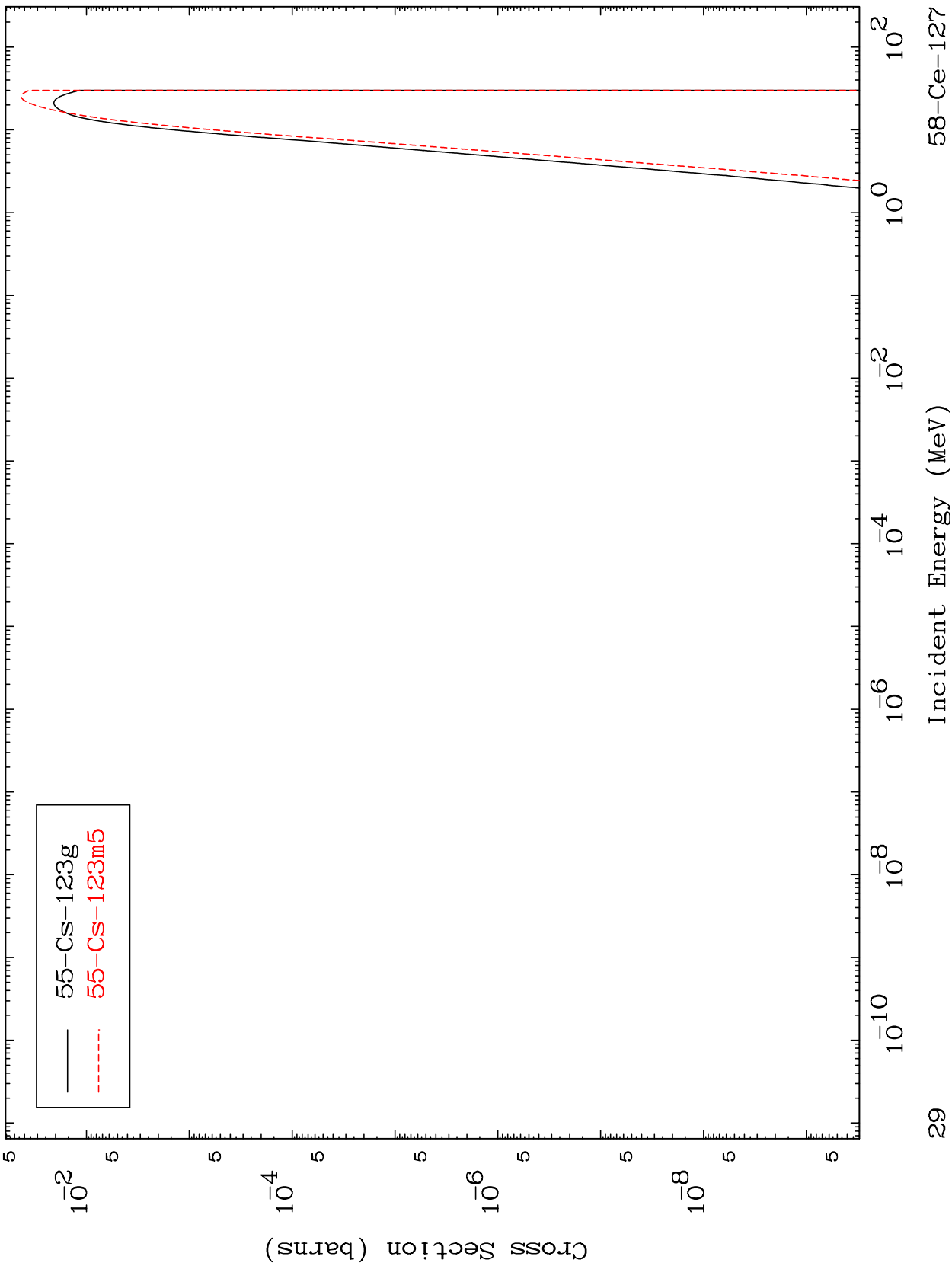
58-Ce-127

MAT 5799

(n,p) α

58-Ce-127

Radionuclide Production Cross Section

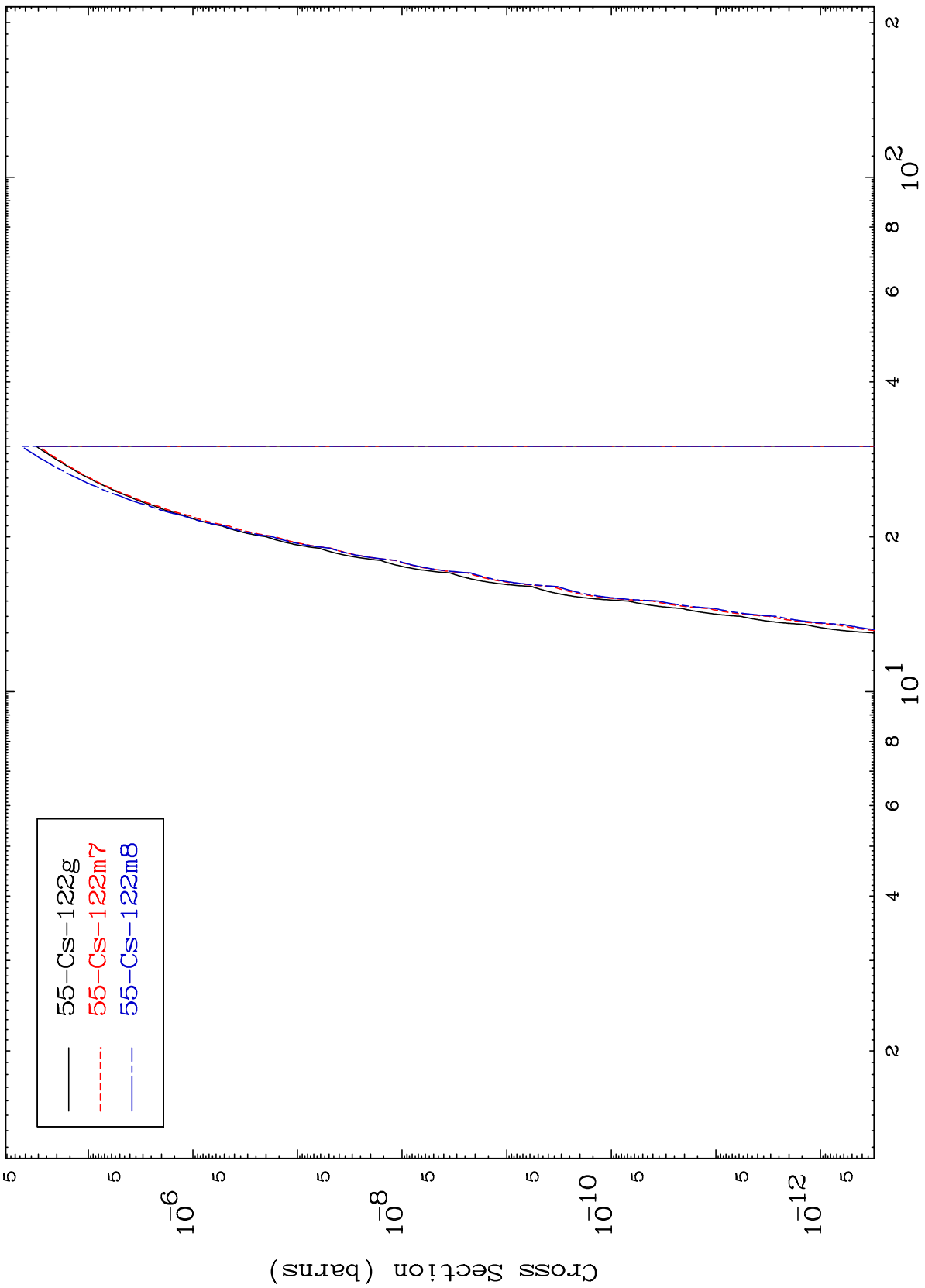


MAT 5799

(n,d) α

58-Ce-127

Radionuclide Production Cross Section



55-Cs-122g
55-Cs-122m7
55-Cs-122m8

30

Incident Energy (MeV)

58-Ce-127