

Program EVALPLOT
(Version 2021-1)

by

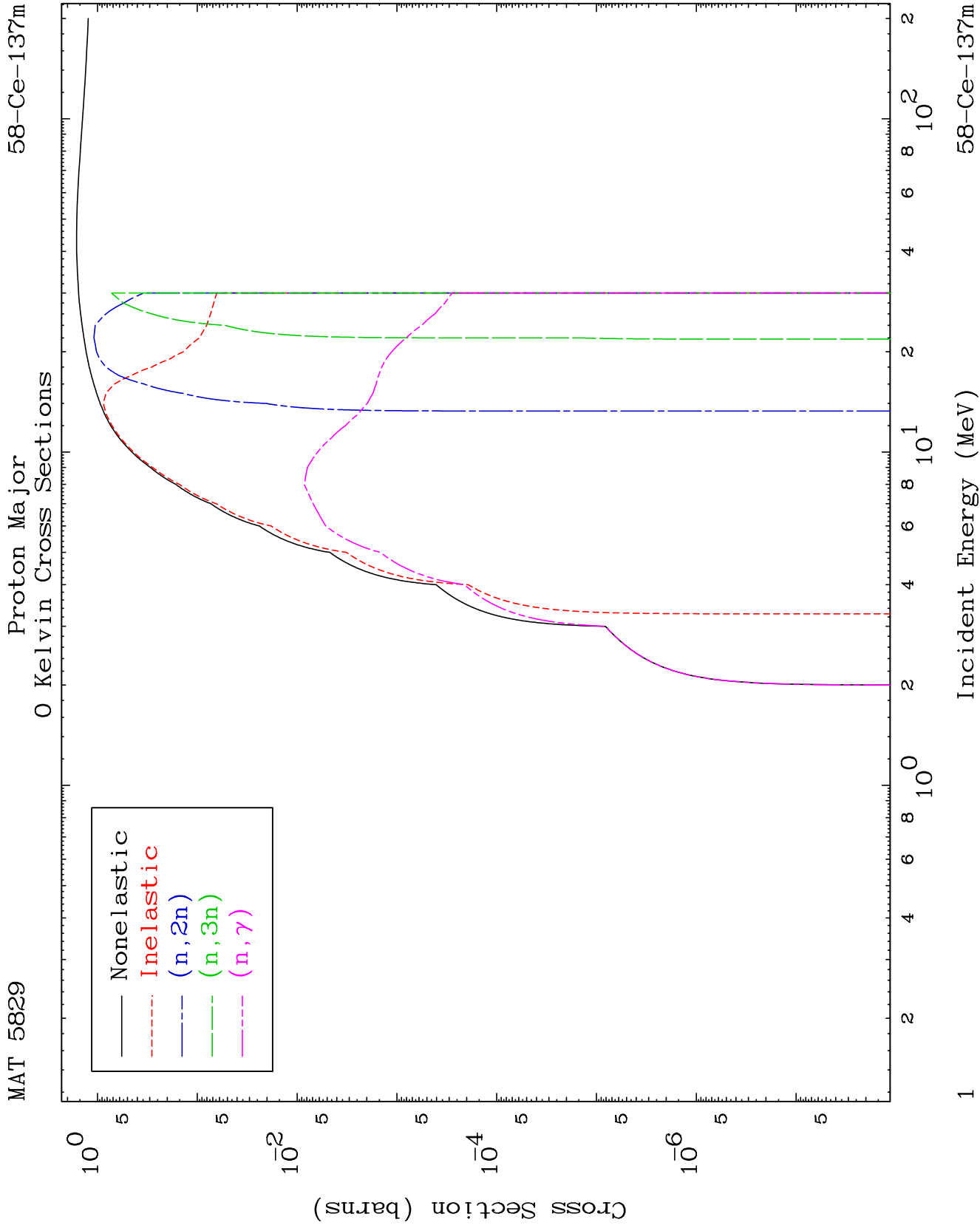
Dermott E. Cullen
(Present Contact Information)

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E.Mail:redcullen1@comcast.net
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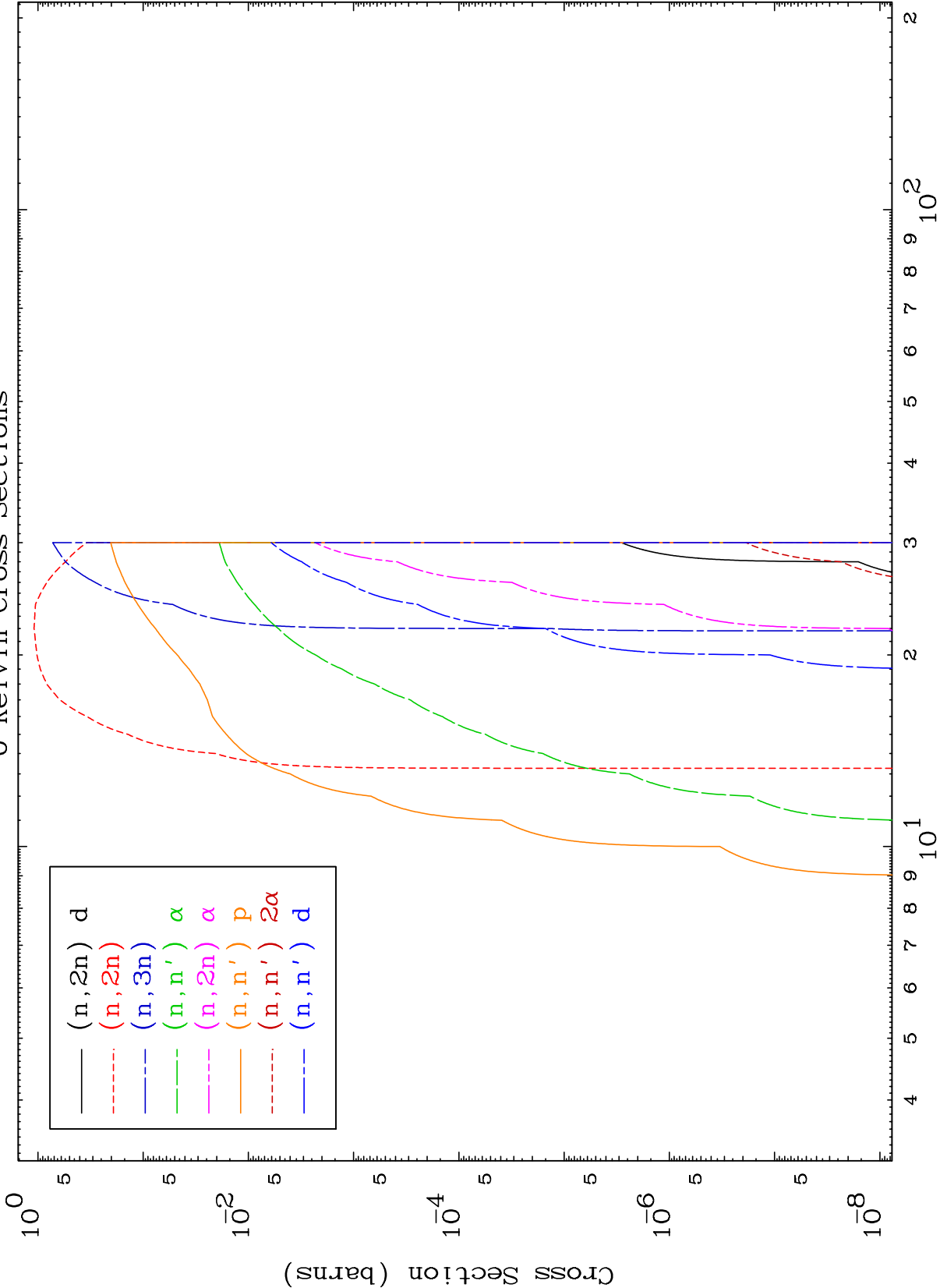
Press Mouse Button to Start

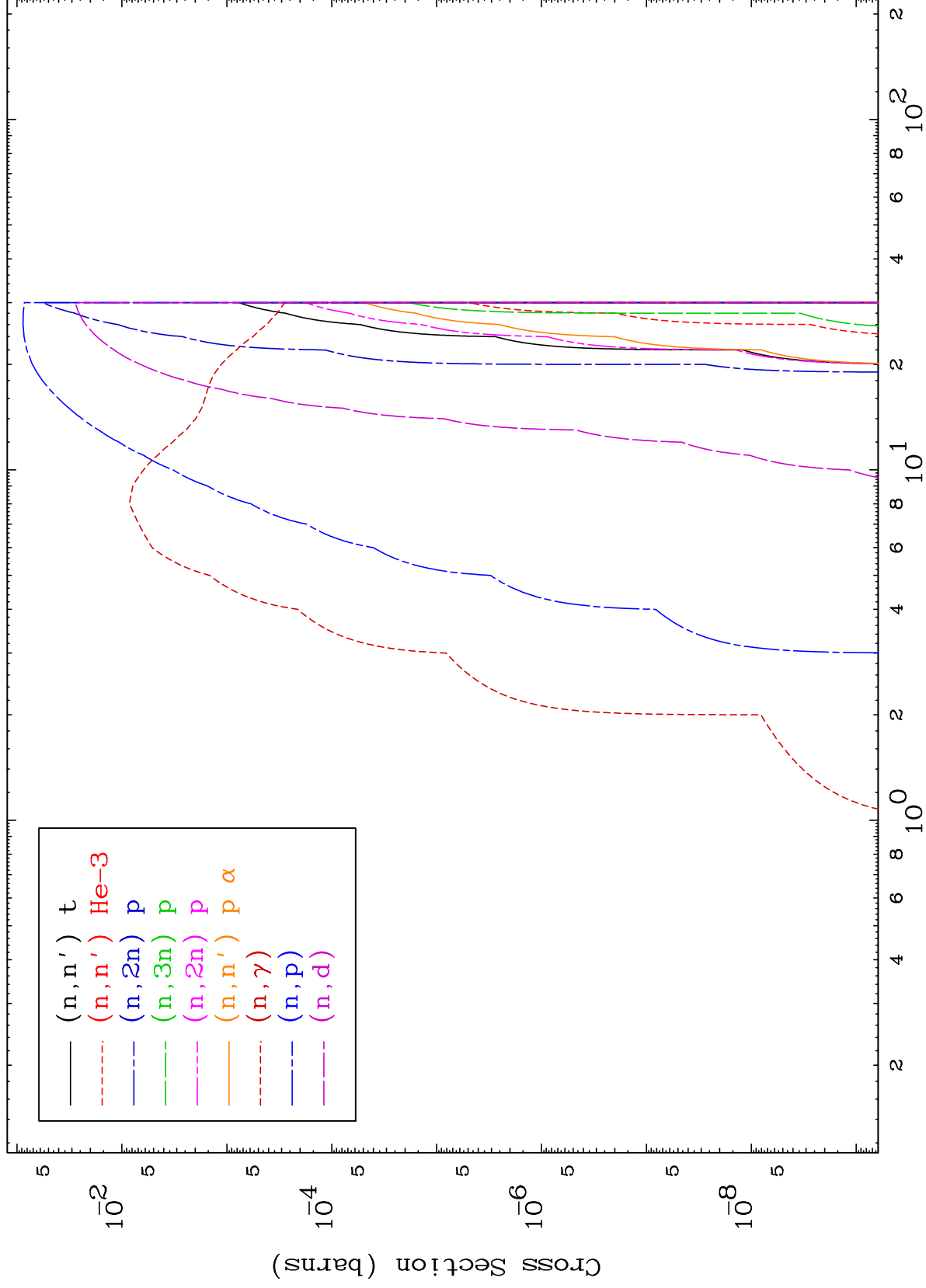


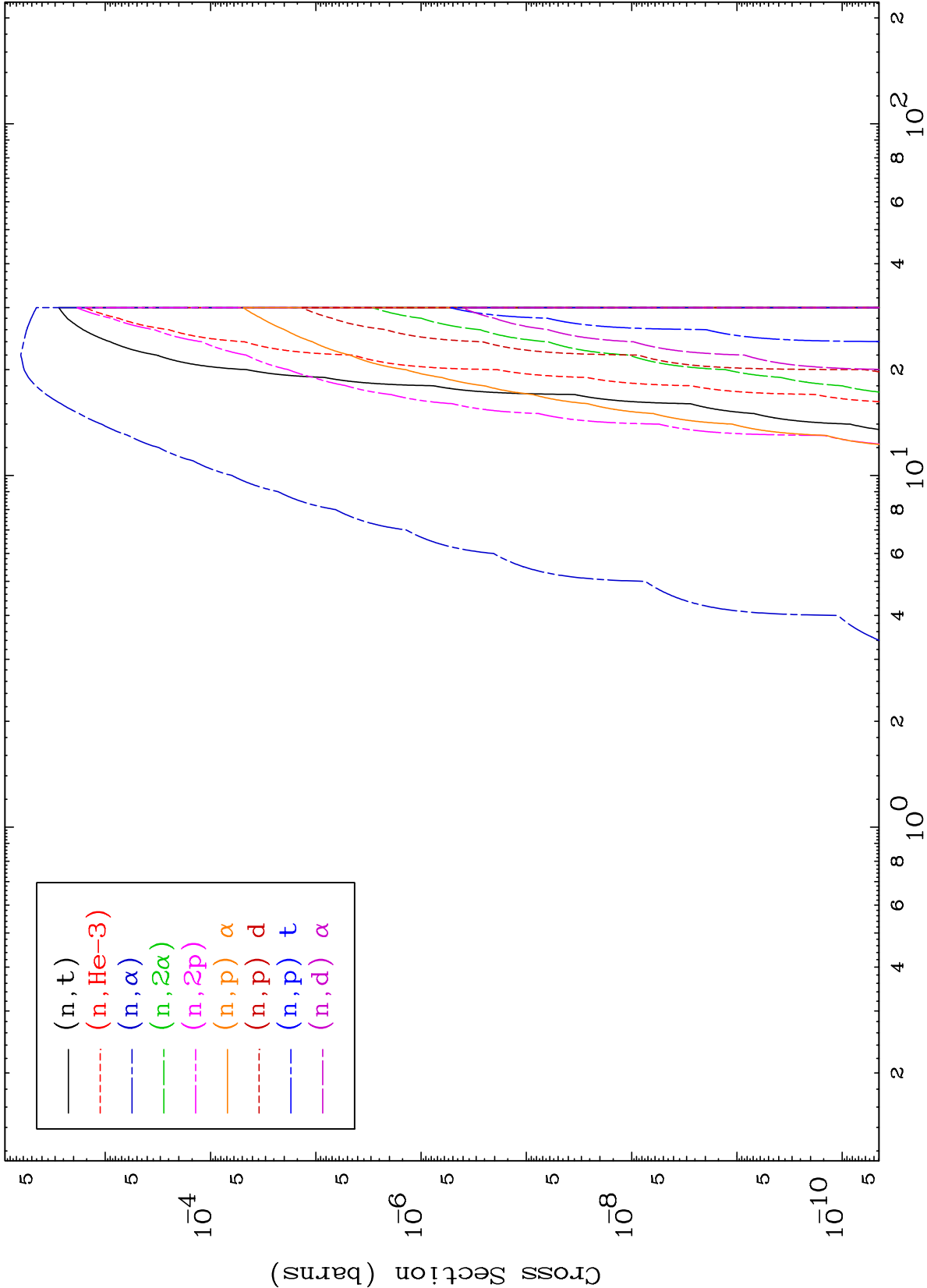
MAT 5829

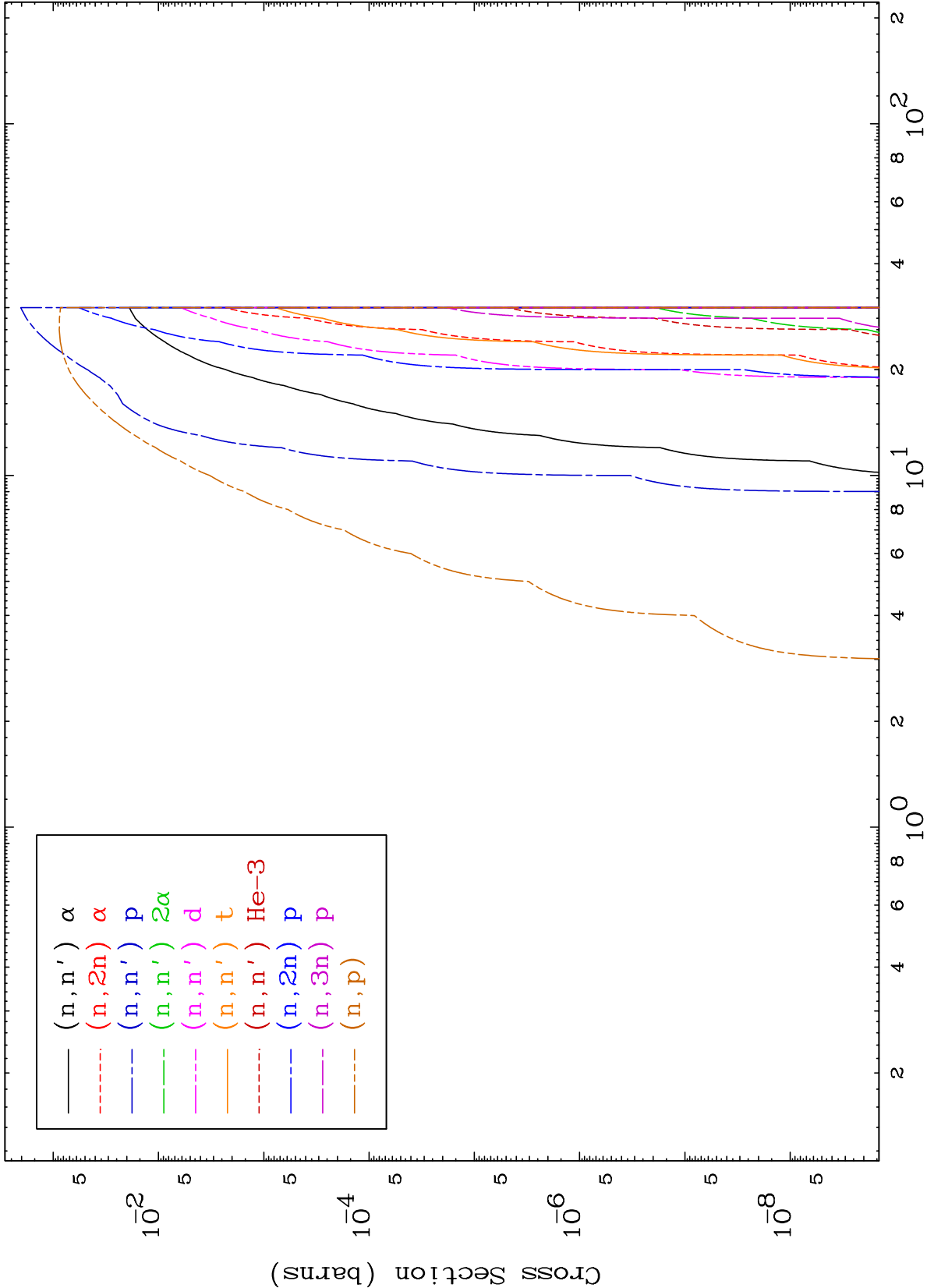
Proton Neutron Absorption
0 Kelvin Cross Sections

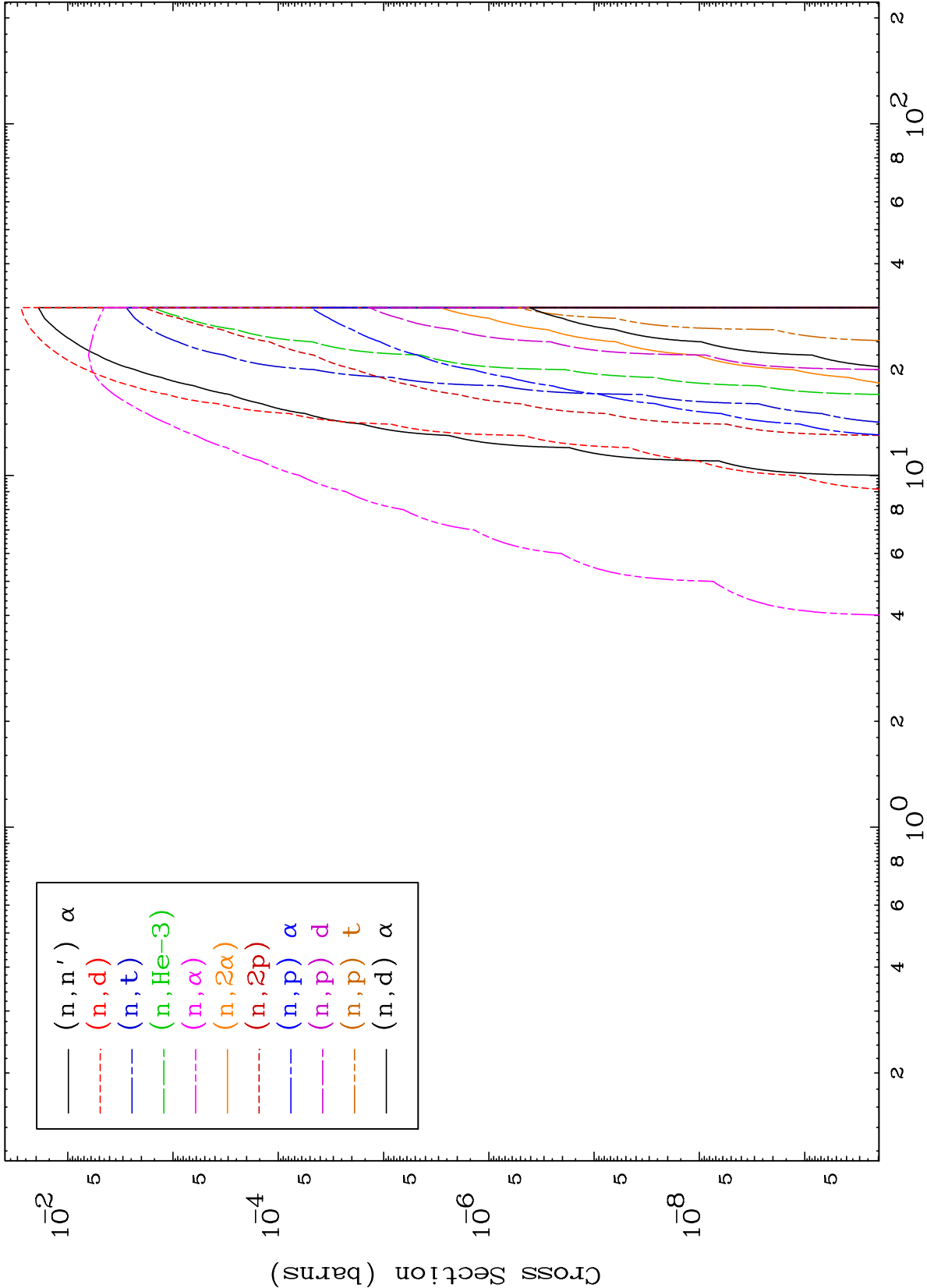
58-Ce-137m







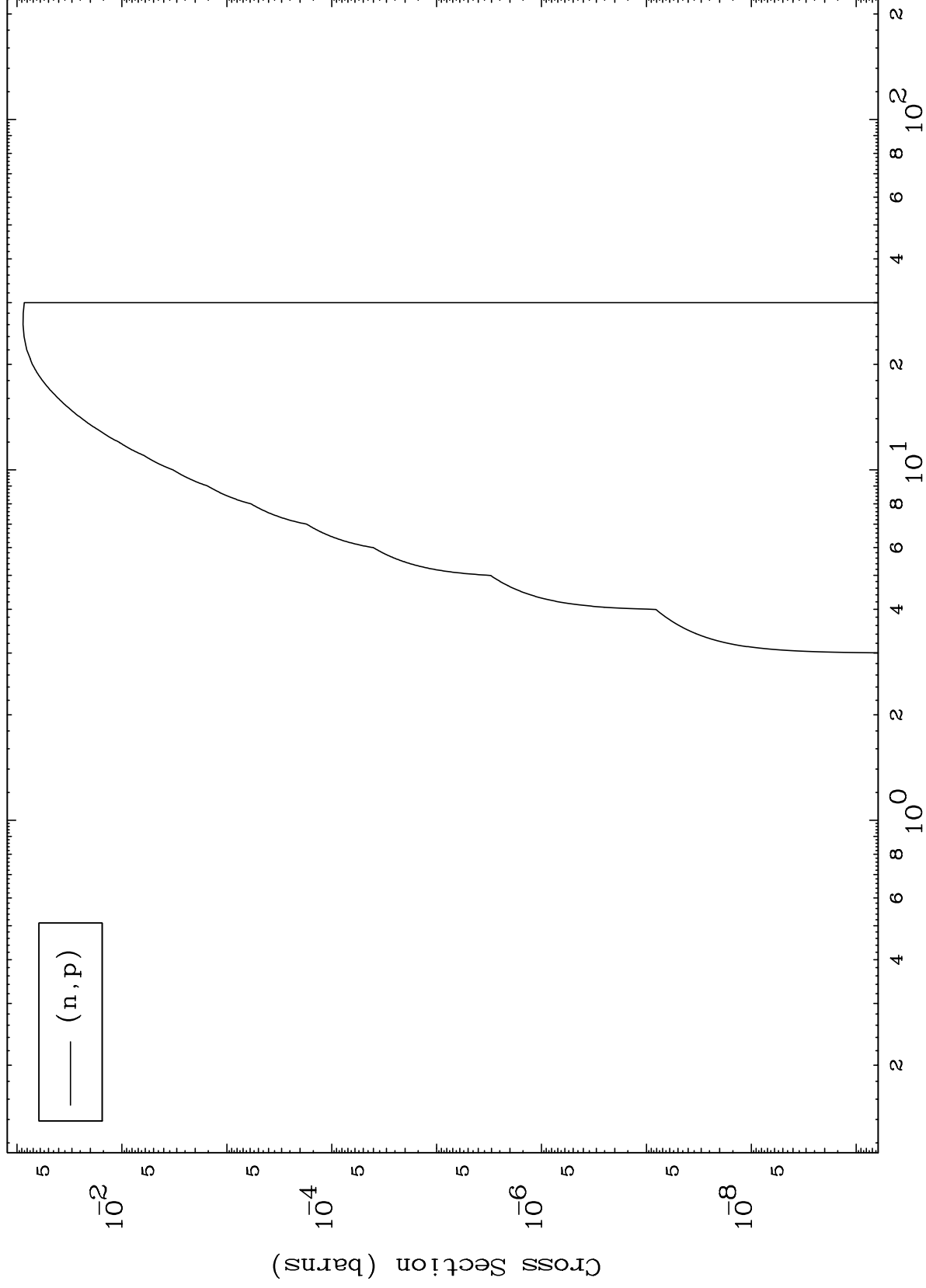




MAT 5829

58-Ce-137m

(p,p) Levels
0 Kelvin Cross Sections



7

58-Ce-137m

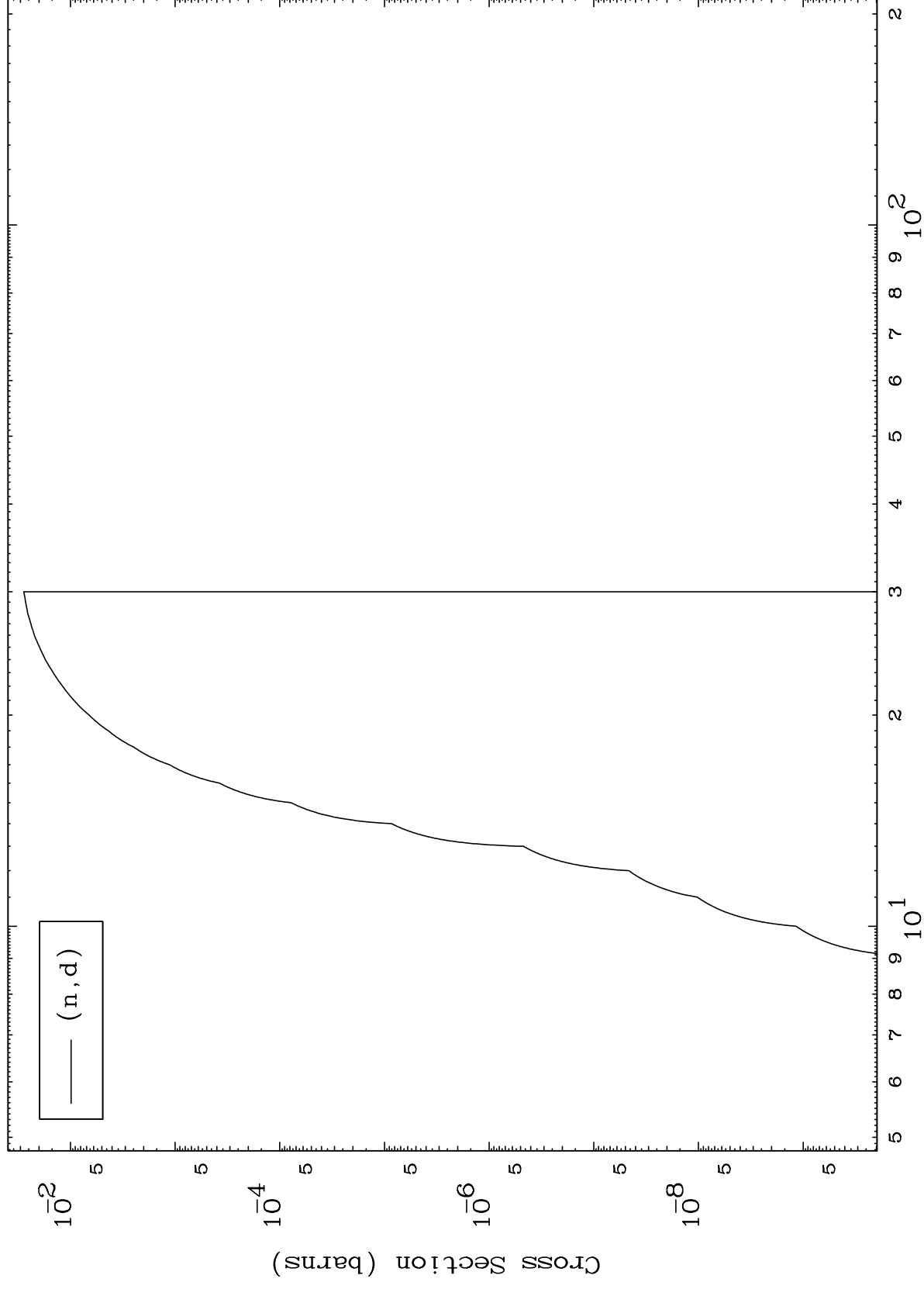
Incident Energy (MeV)

MAT 5829

(p, d) Levels

 $^{58}\text{Ce}-137\text{m}$

0 Kelvin Cross Sections



8

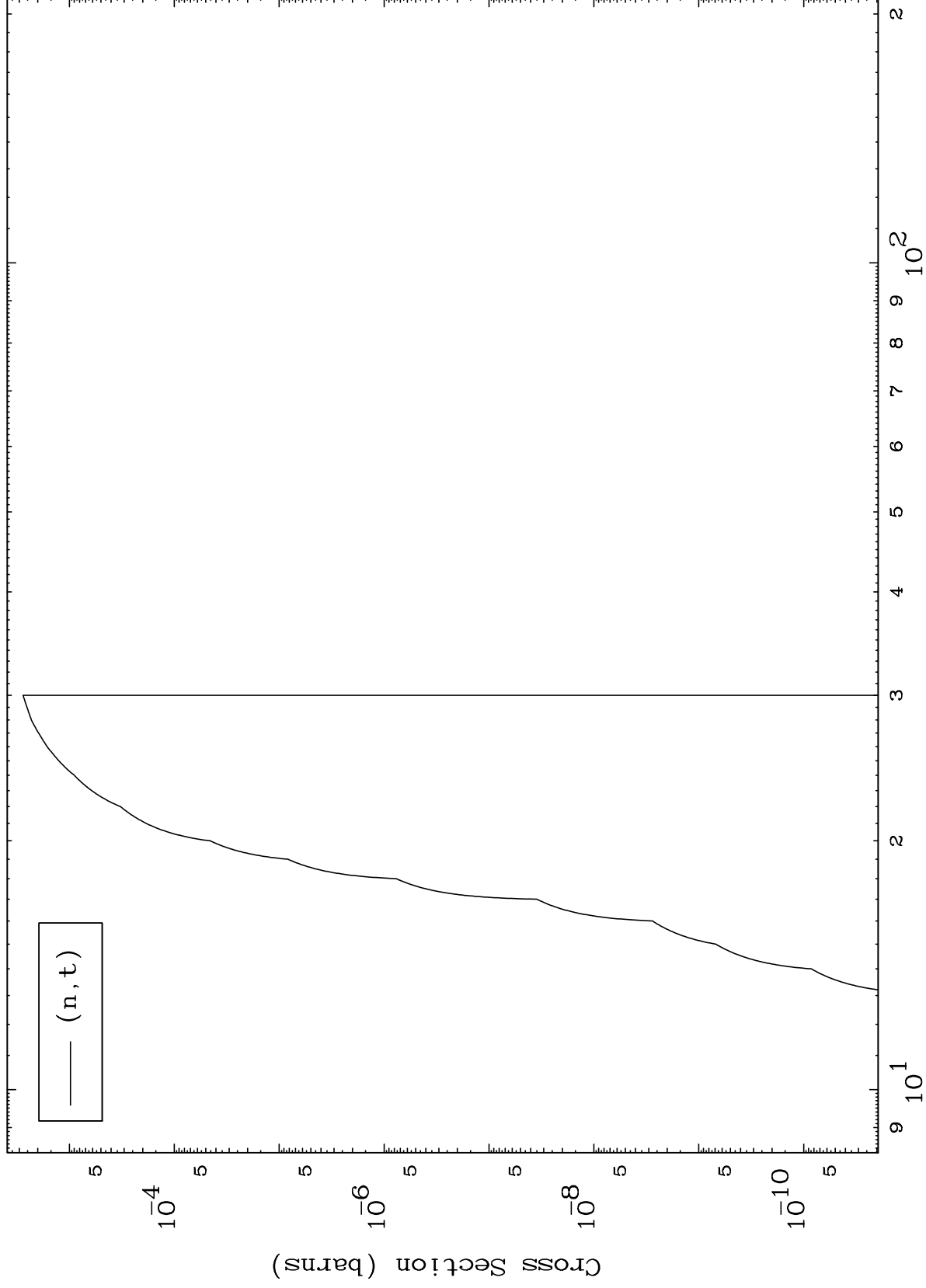
Incident Energy (MeV)

58-Ce-137m

MAT 5829

58-Ce-137m

(p,t) Levels
0 Kelvin Cross Sections



58-Ce-137m

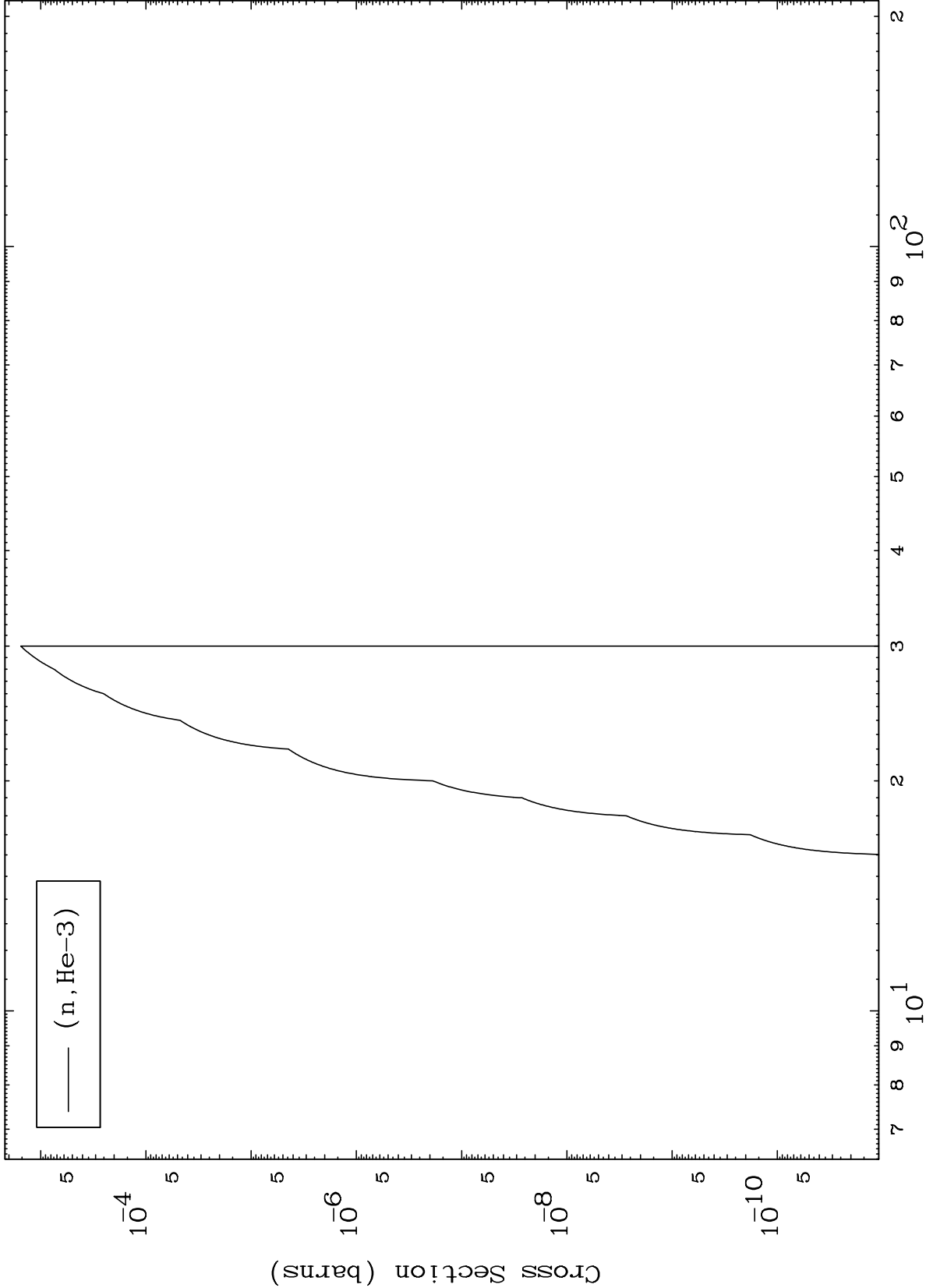
Incident Energy (MeV)

9

MAT 5829

(p,He3) Levels
0 Kelvin Cross Sections

58-Ce-137m



10

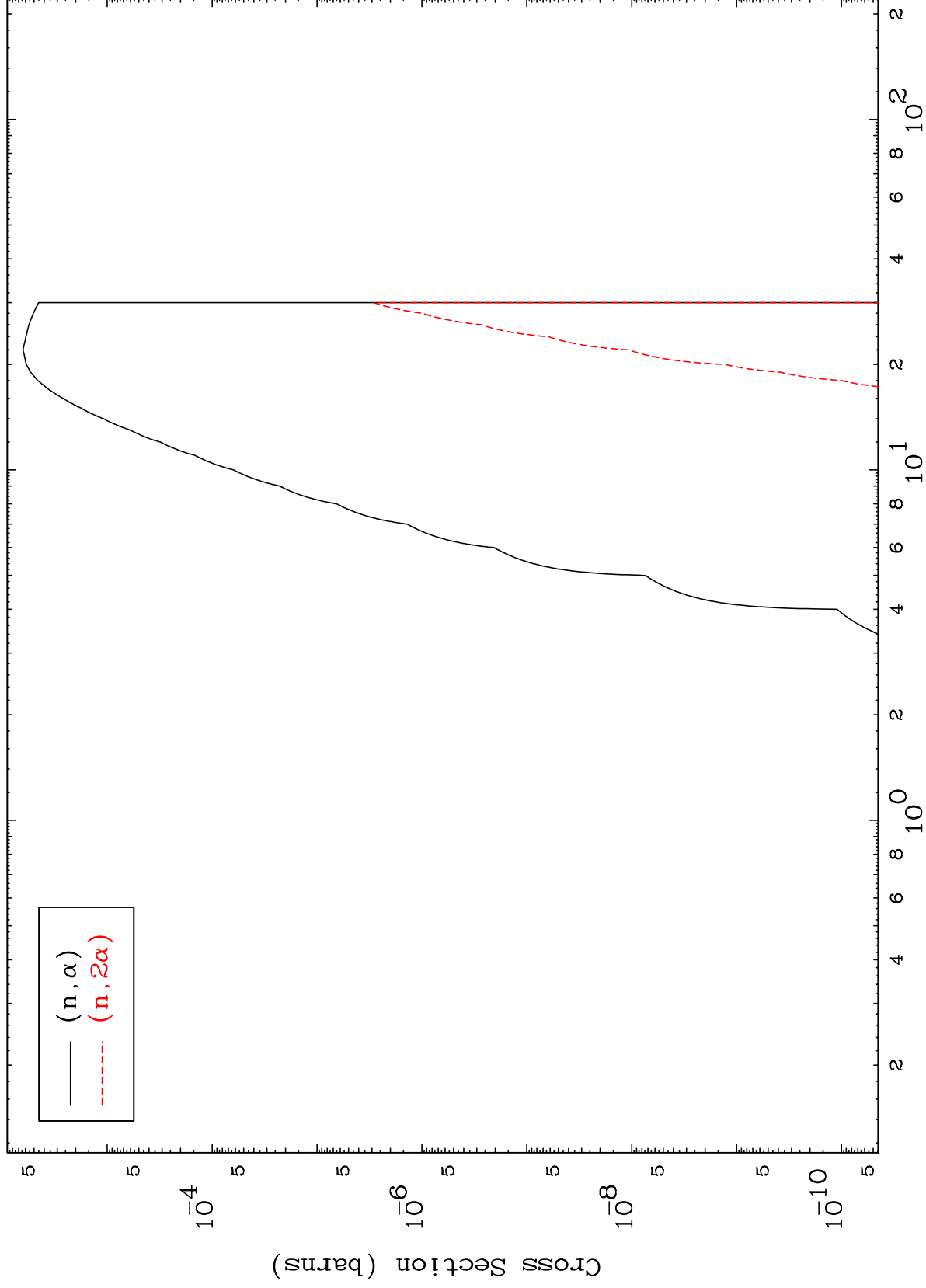
Incident Energy (MeV)

58-Ce-137m

MAT 5829

(p, α) Levels
0 Kelvin Cross Sections

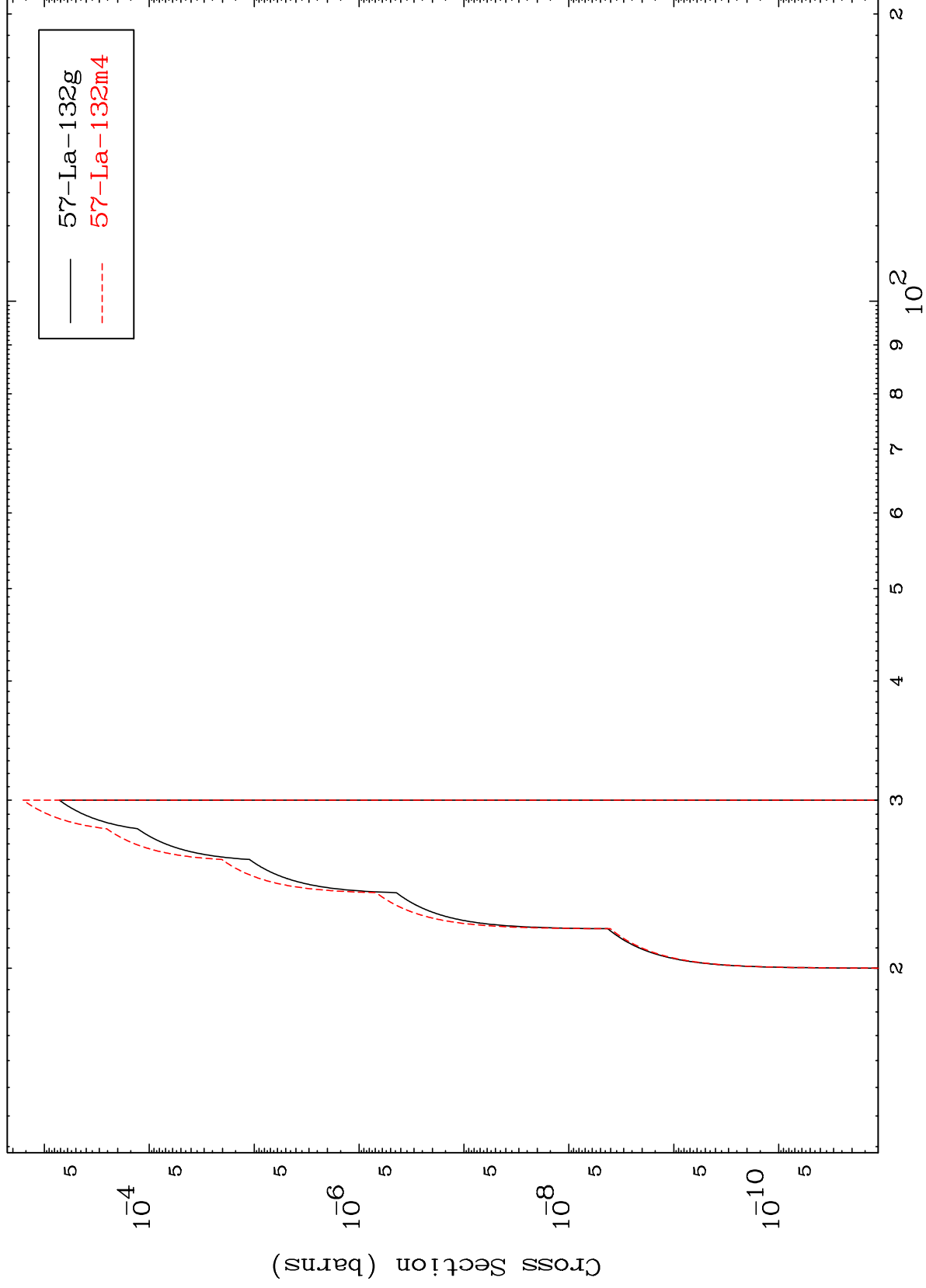
58-Ce-137m



MAT 5829

58-Ce-137m

$(n,2n) \alpha$
Radionuclide Production Cross Section



12

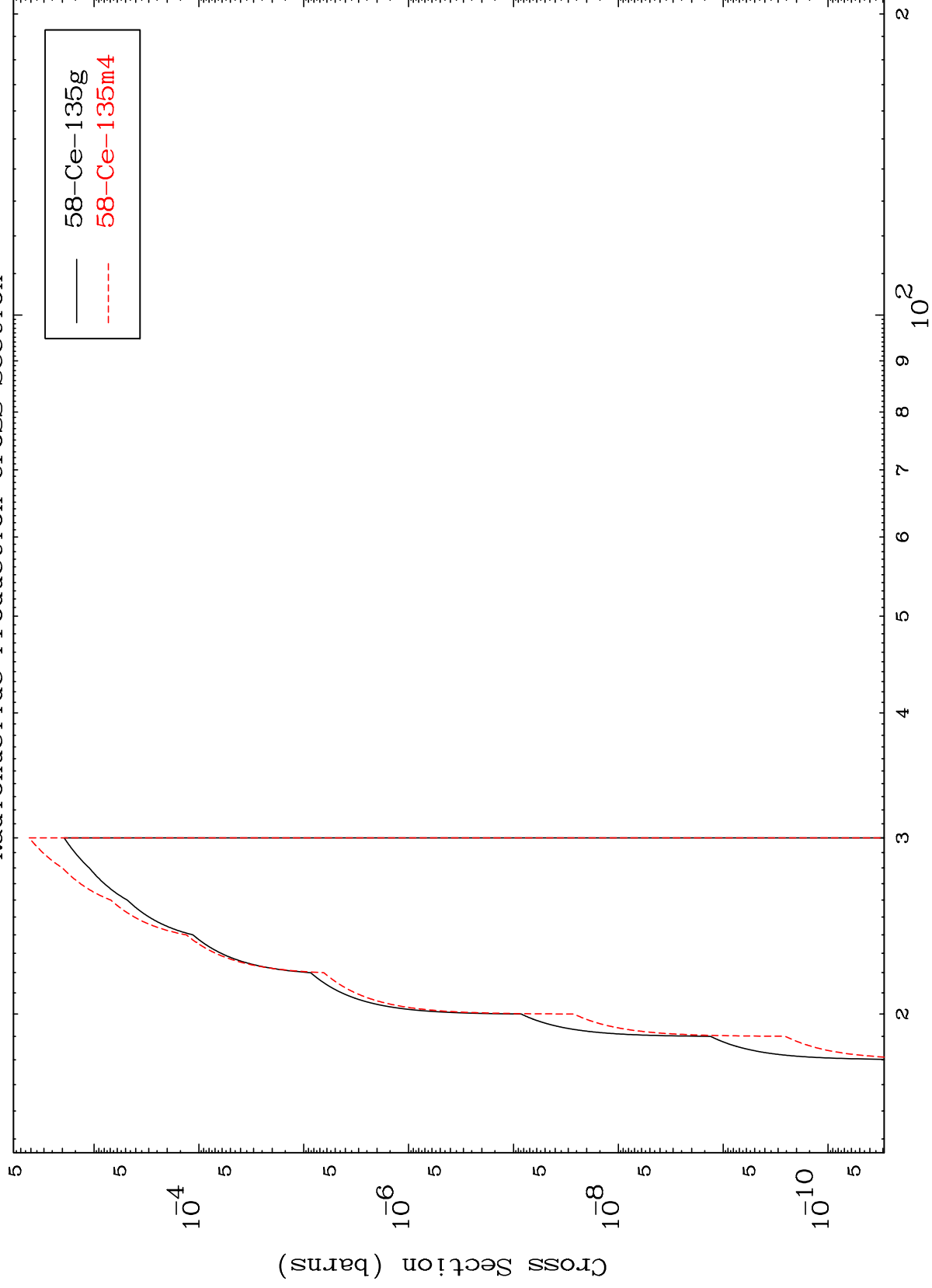
Incident Energy (MeV)

58-Ce-137m

MAT 5829

58-Ce-137m

$(n,n')\ d$
Radionuclide Production Cross Section



13

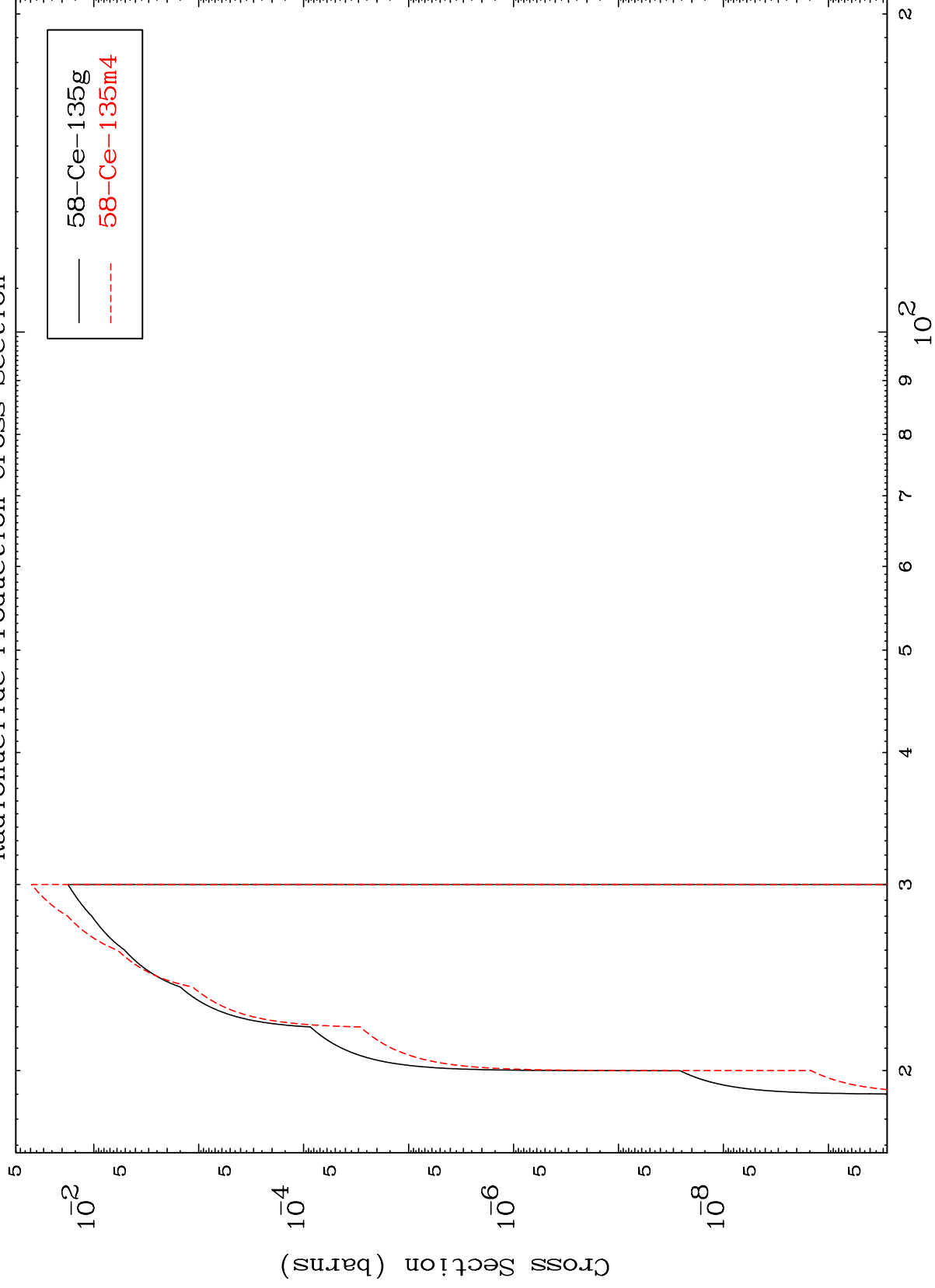
Incident Energy (MeV)

58-Ce-137m

MAT 5829

58-Ce-137m

(n,2n) p
Radionuclide Production Cross Section



58-Ce-137m

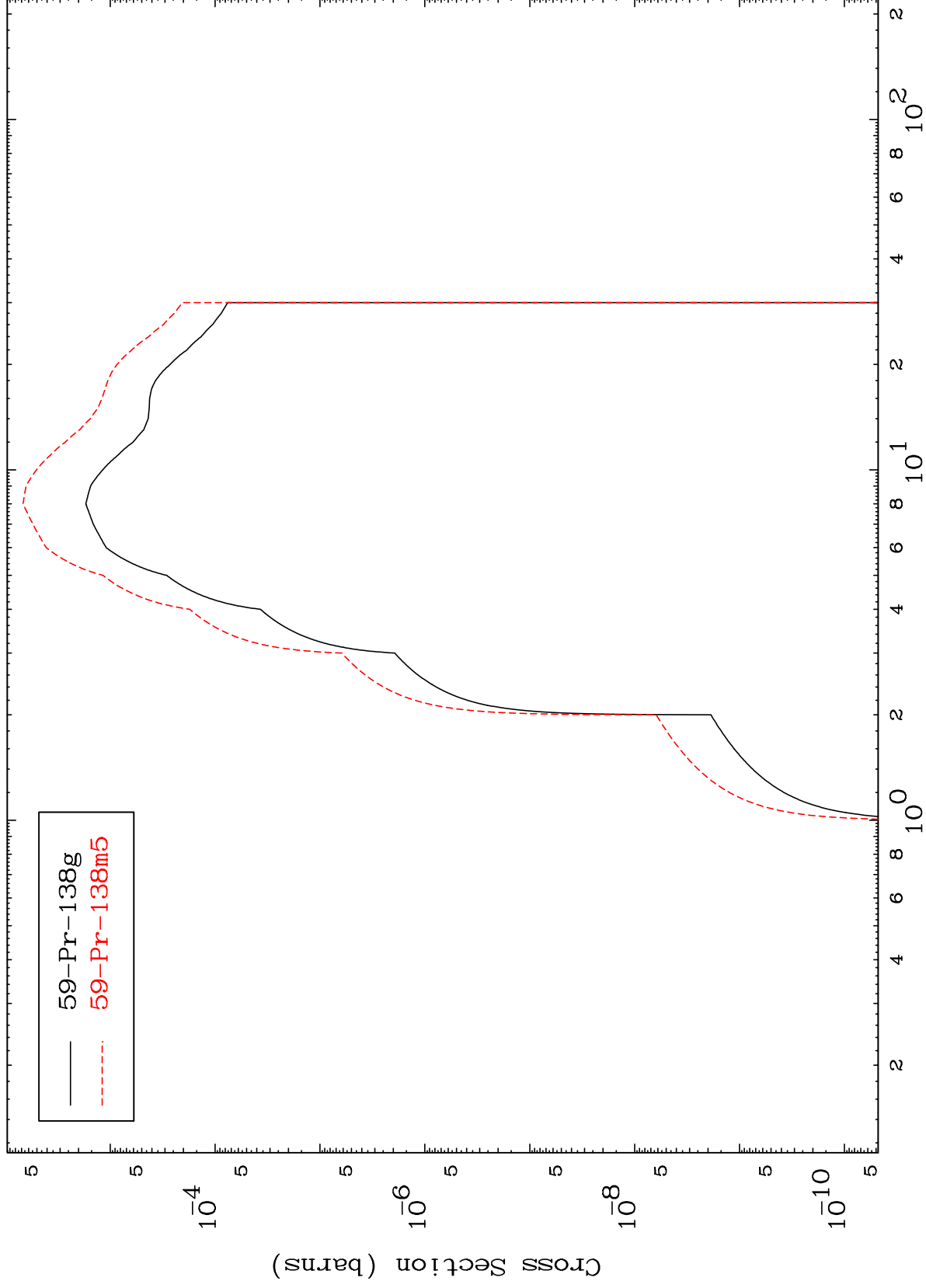
Incident Energy (MeV)

14

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58-Ce-137m

Radionuclide Production Cross Section



Incident Energy (MeV)

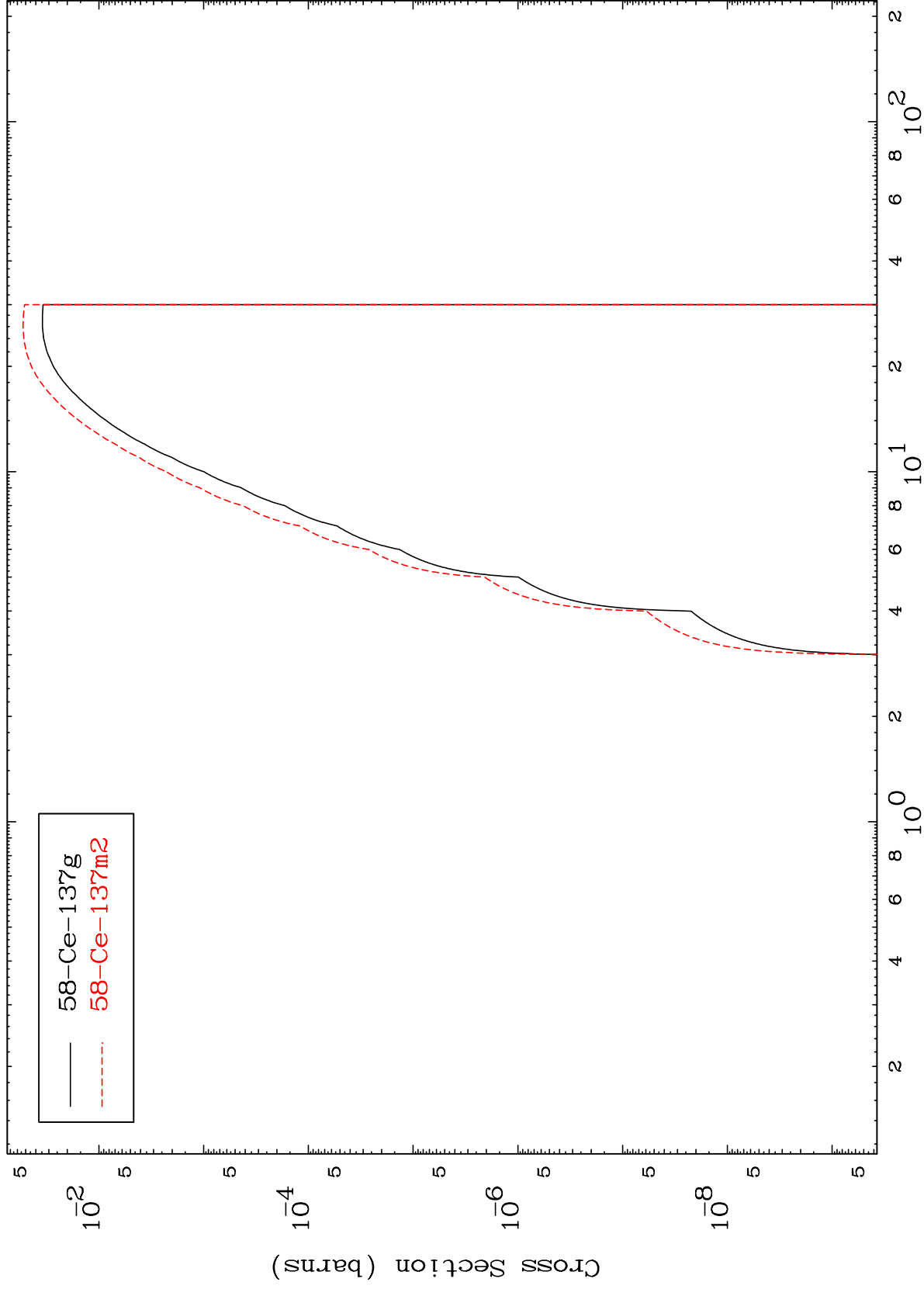
58-Ce-137m

15

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58-Ce-137m

(n,p)
Radionuclide Production Cross Section



16

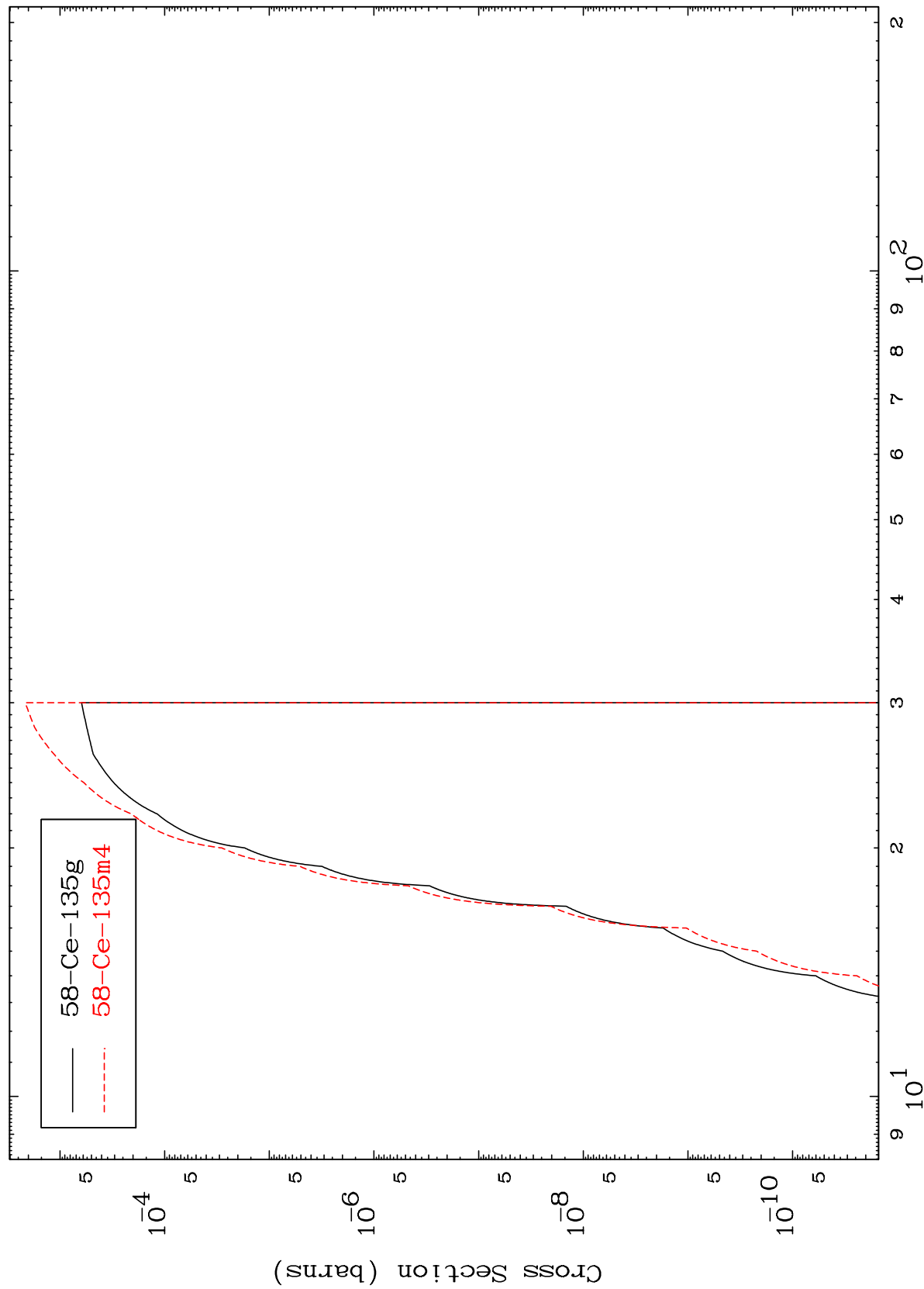
Incident Energy (MeV)

58-Ce-137m

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58-Ce-137m

(n,t)
Radionuclide Production Cross Section



58-Ce-137m

Incident Energy (MeV)

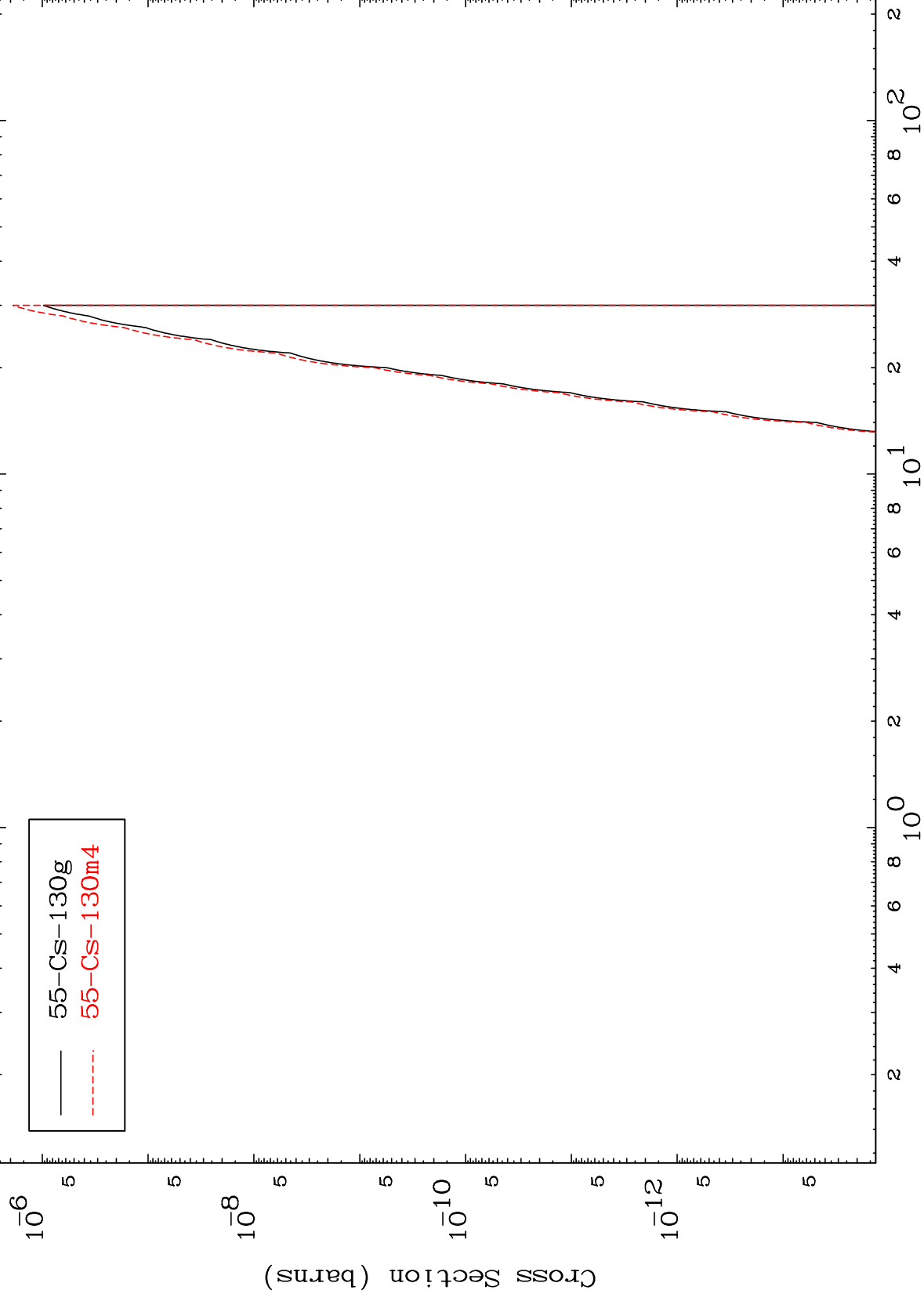
17

MAT 5829

(n,2α)

58-Ce-137m

Radionuclide Production Cross Section



18

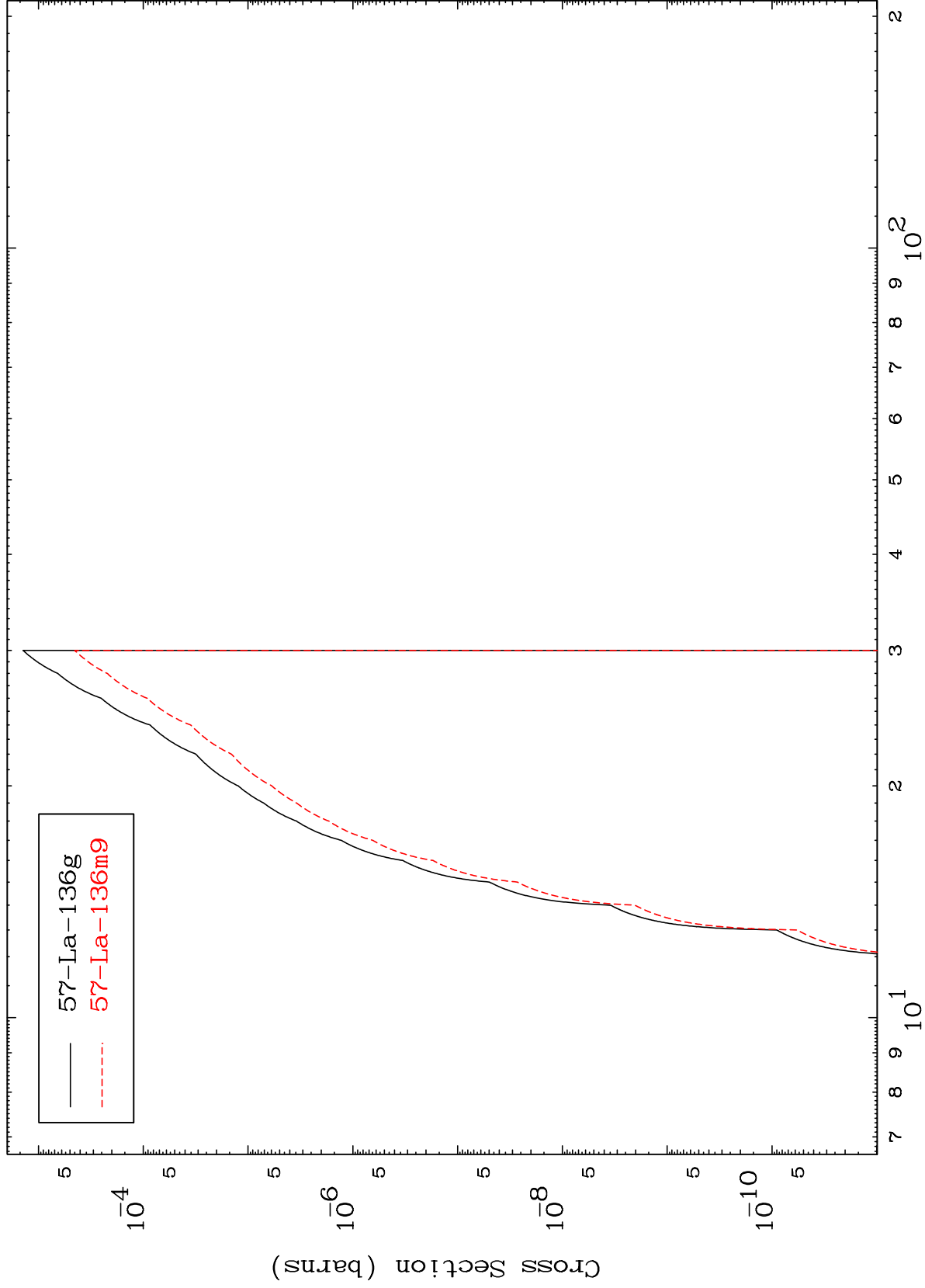
Incident Energy (MeV)

58-Ce-137m

MAT 5829

58-Ce-137m

(n,2p)
Radionuclide Production Cross Section



19

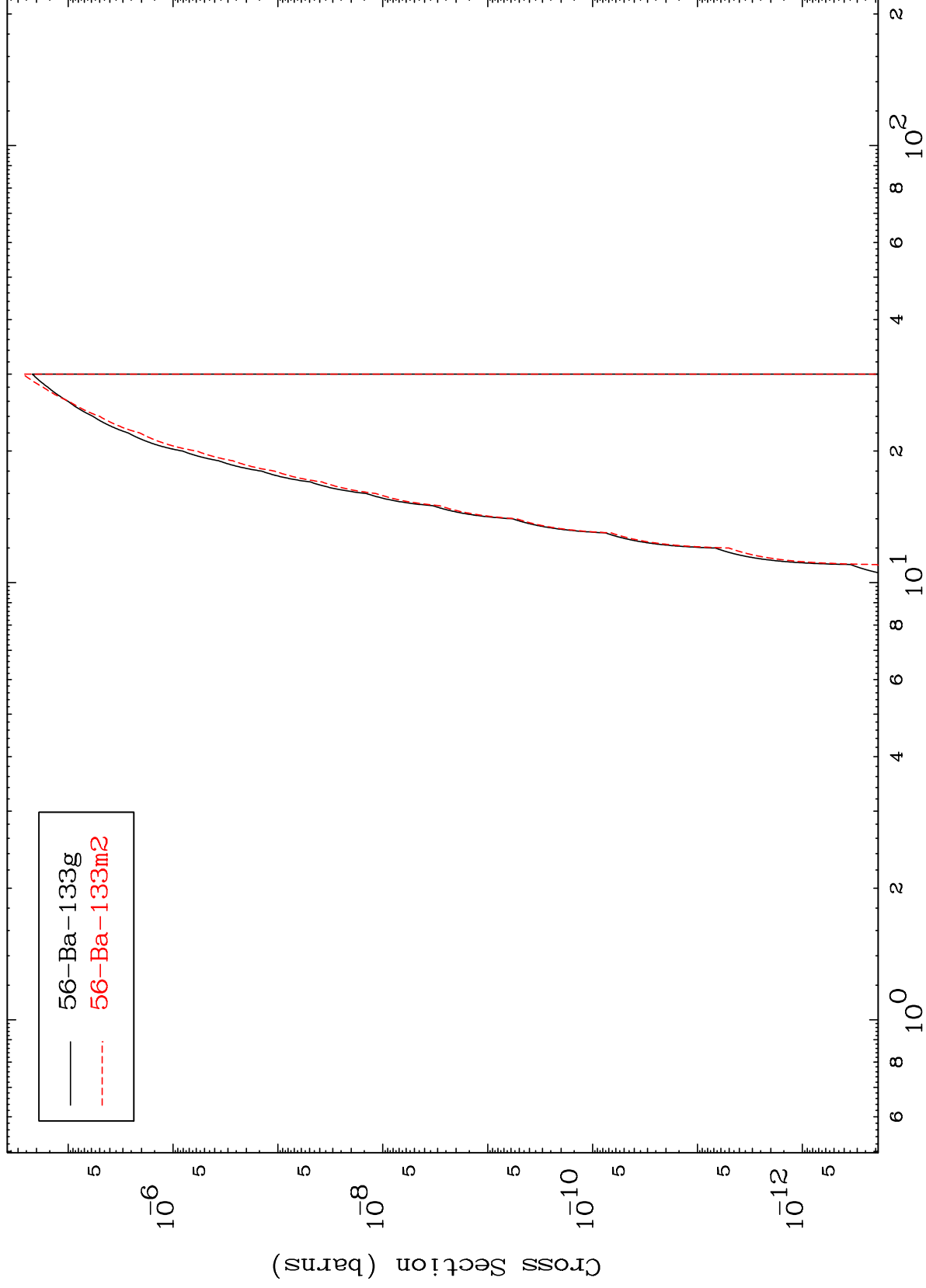
Incident Energy (MeV)

58-Ce-137m

MAT 5829

58-Ce-137m

(n,p) α
Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-137m

20