

Program EVALPLOT  
(Version 2021-1)

by

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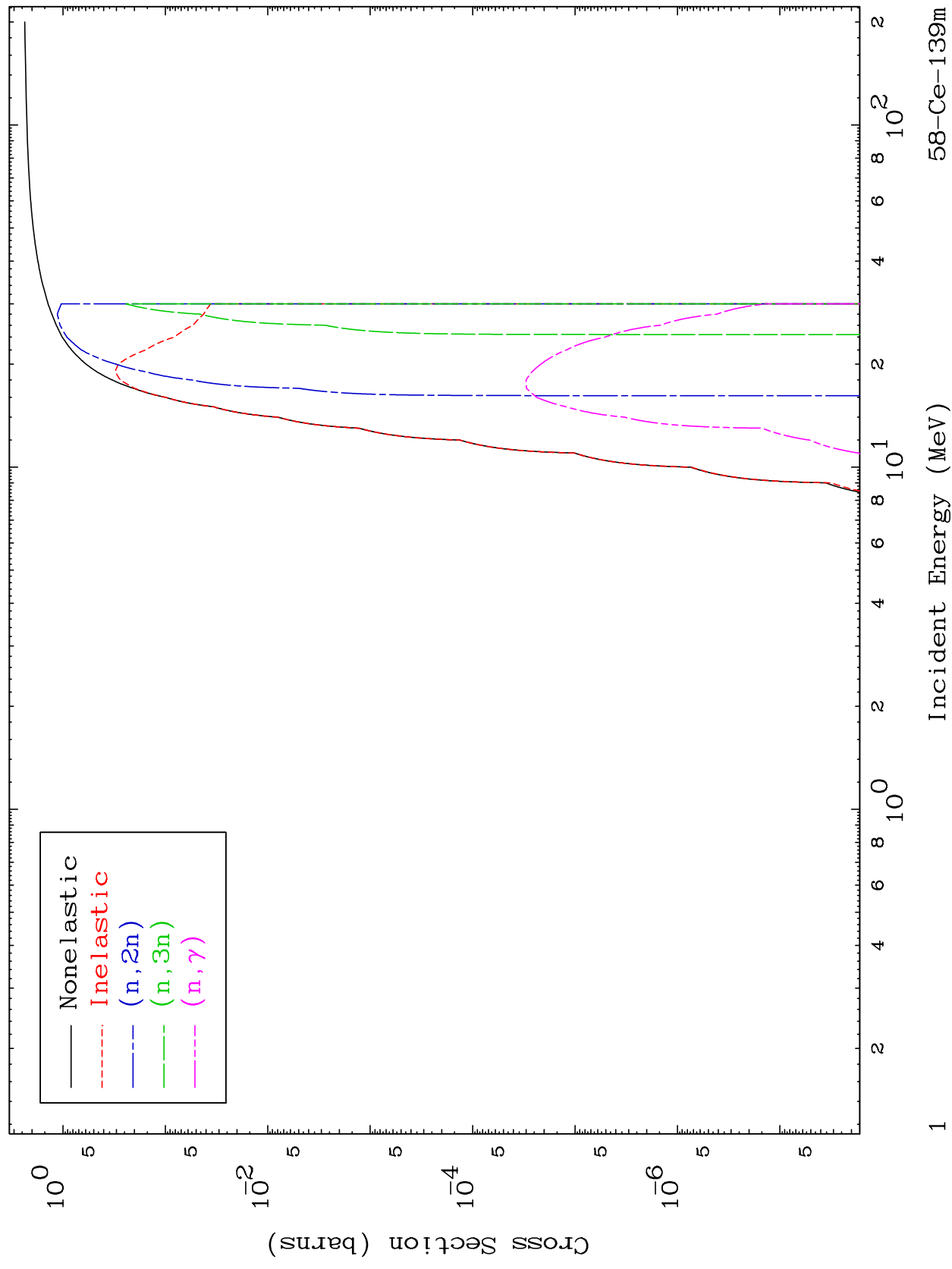
Press Mouse Button to Start

MAT 5835

0 Kelvin

$\alpha$  Major Cross Sections

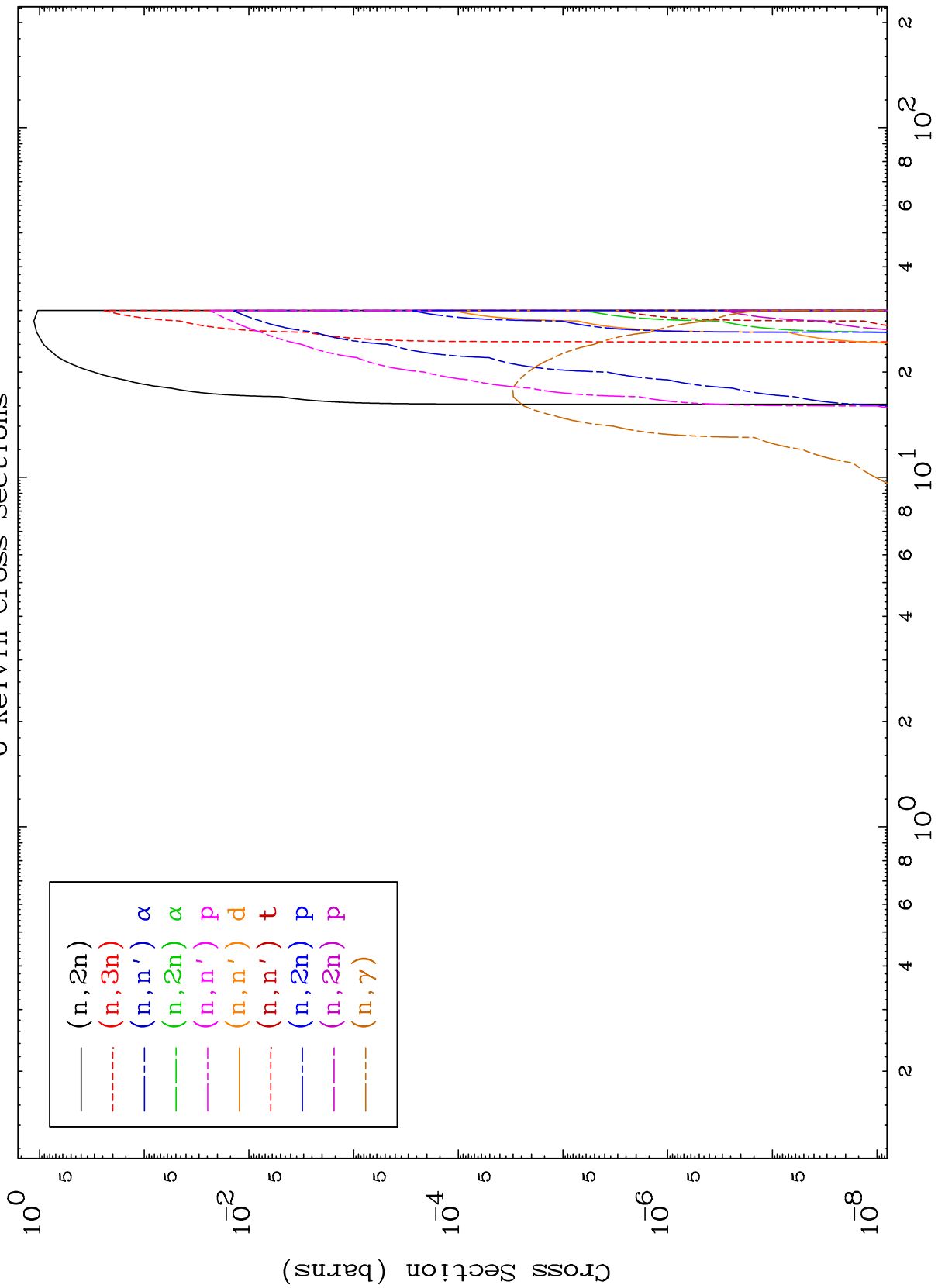
58-Ce-139m



MAT 5835

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

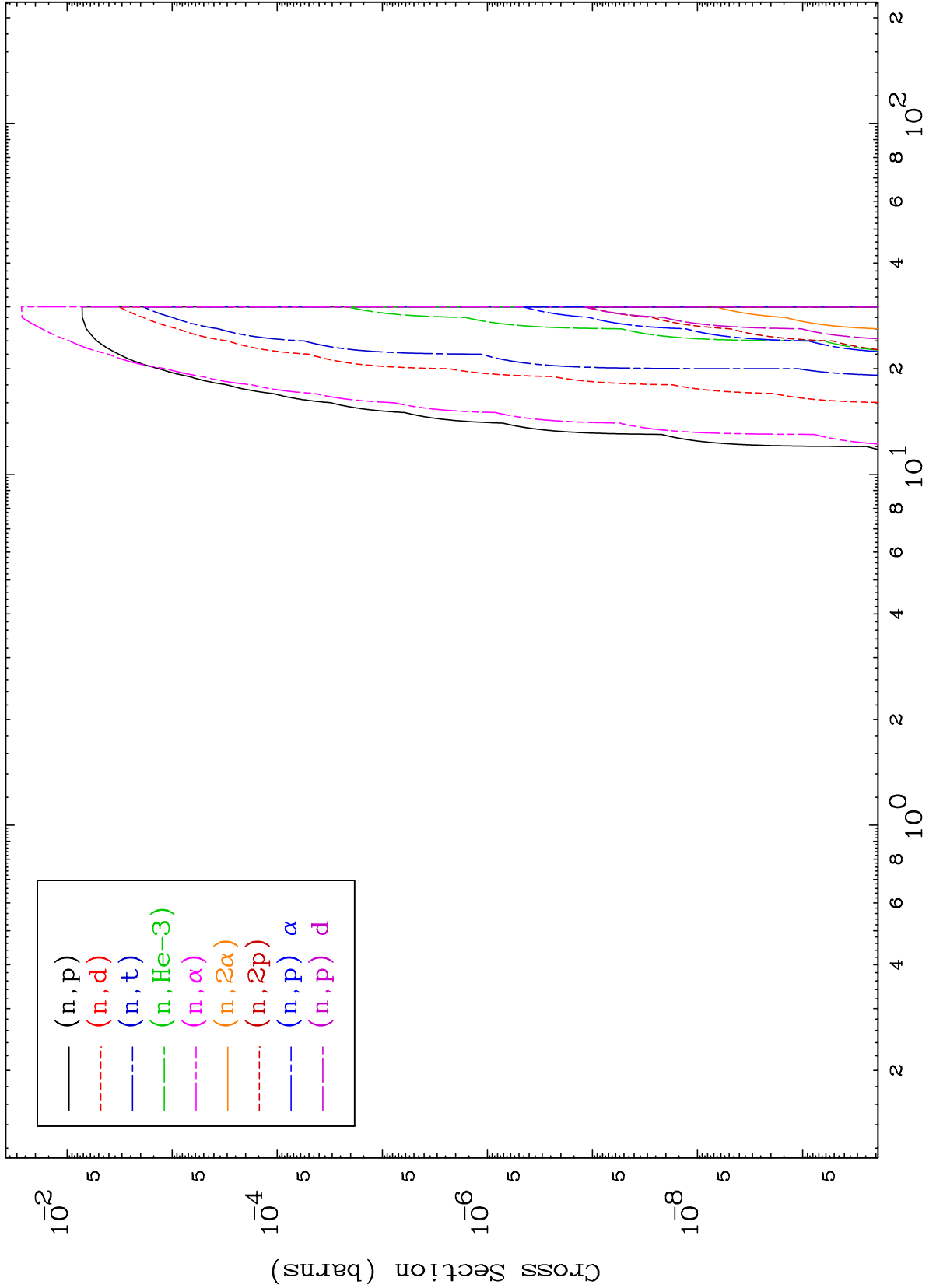
58-Ce-139m



MAT 5835

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

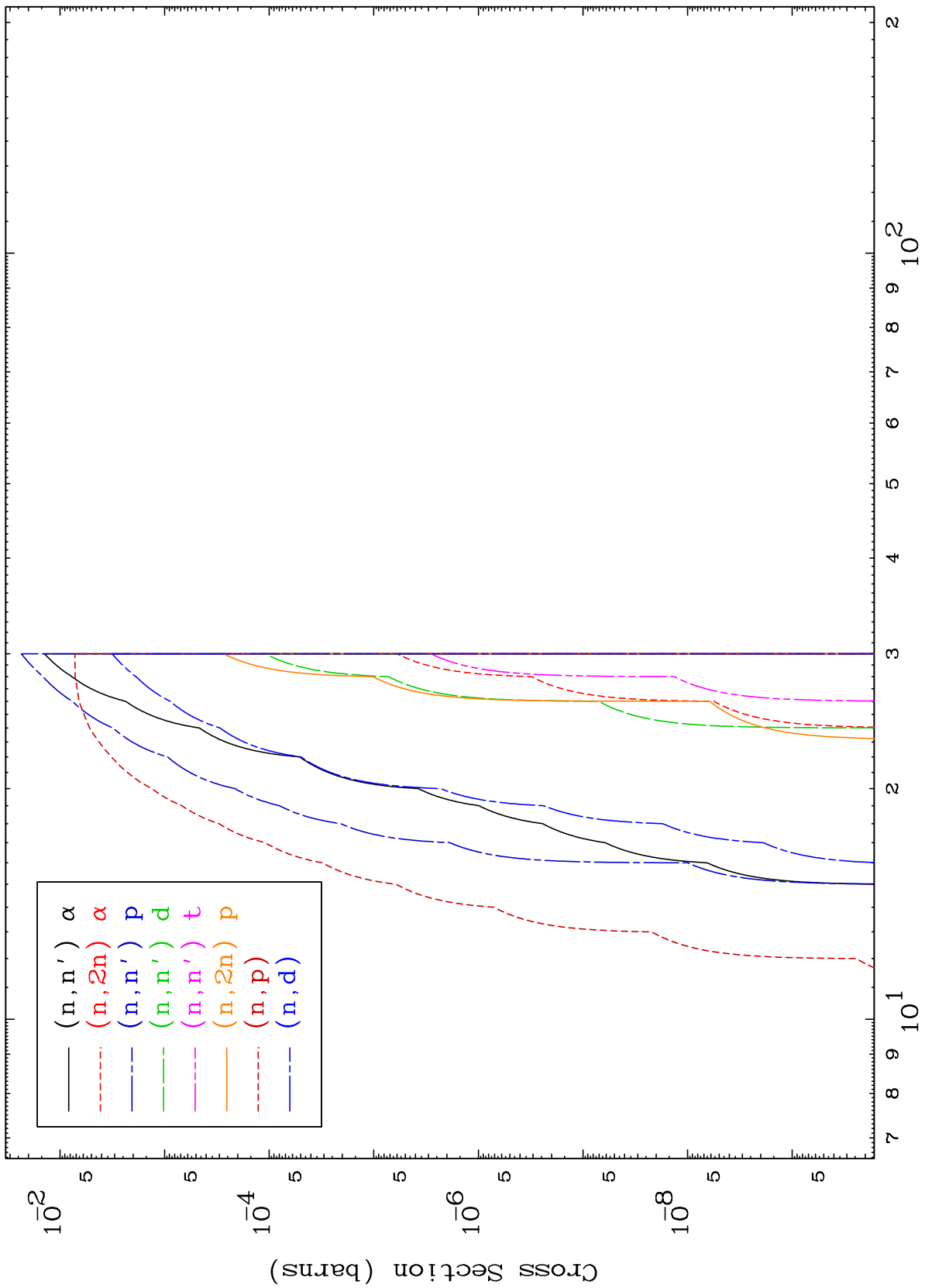
58-Ce-139m



MAT 5835

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

58-Ce-139m

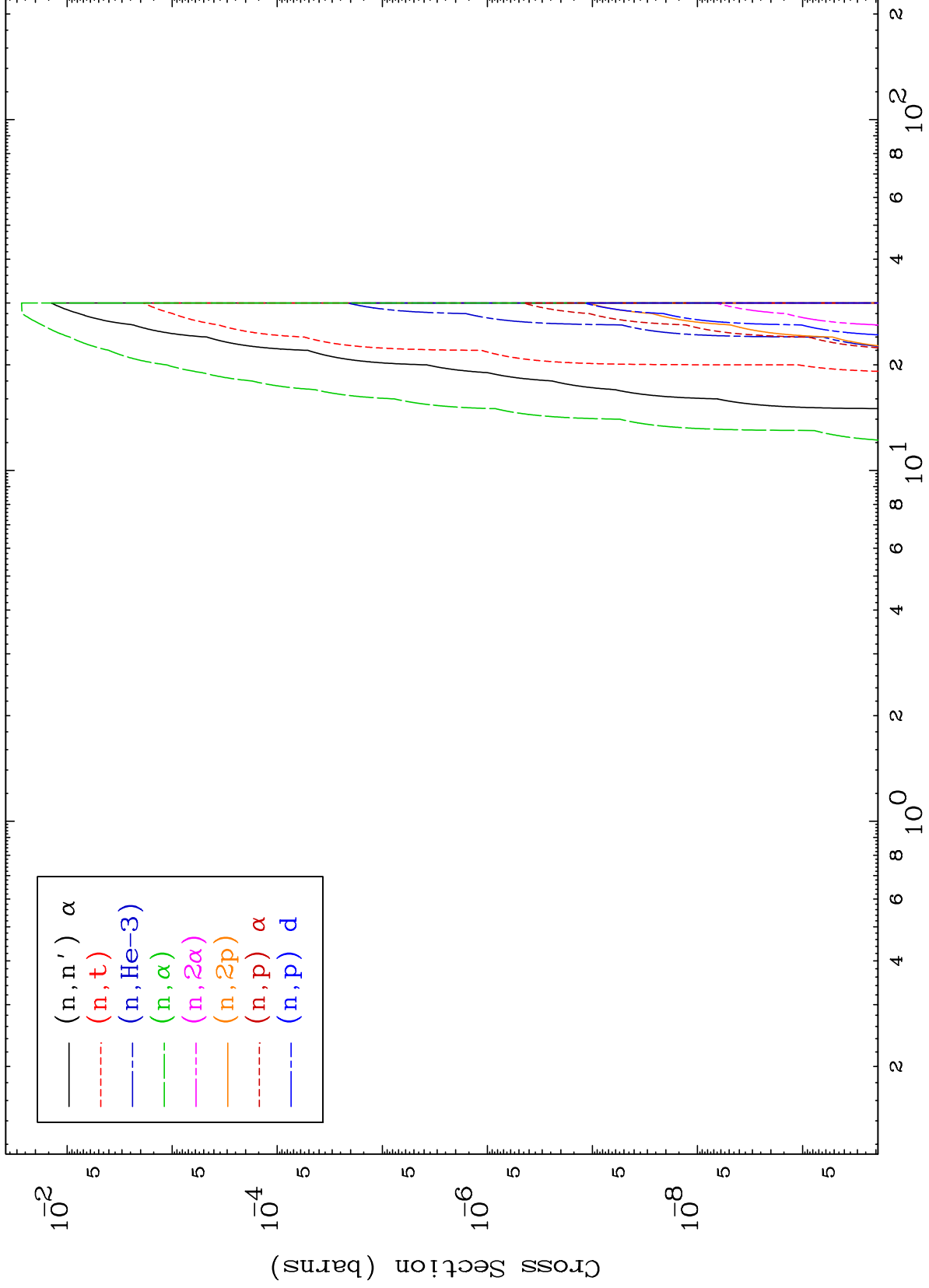


MAT 5835

$\alpha$  Charged Particle

58-Ce-139m

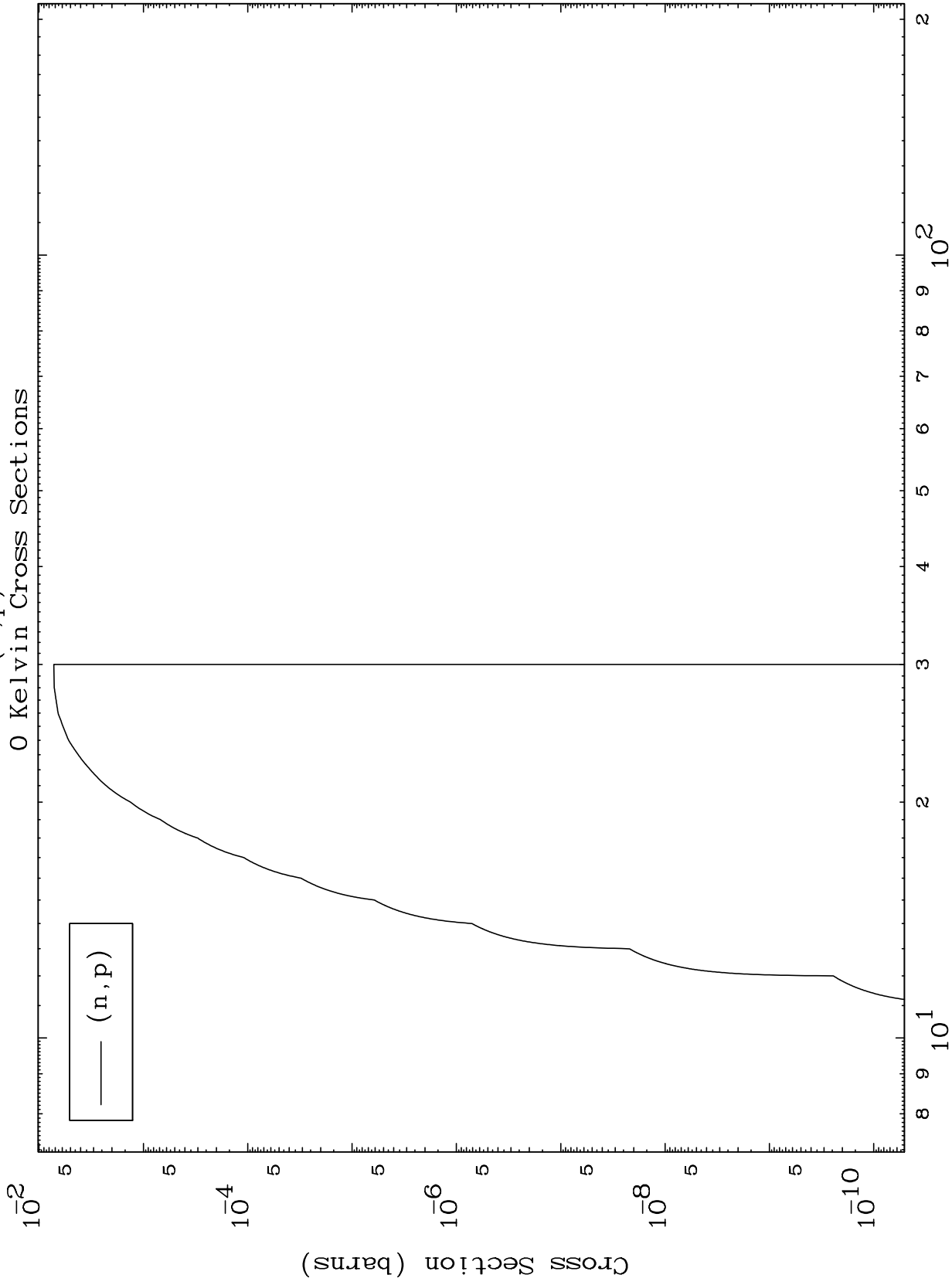
0 Kelvin Cross Sections



MAT 5835

( $\alpha, p$ ) Levels

58-Ce-139m



6

Incident Energy (MeV)

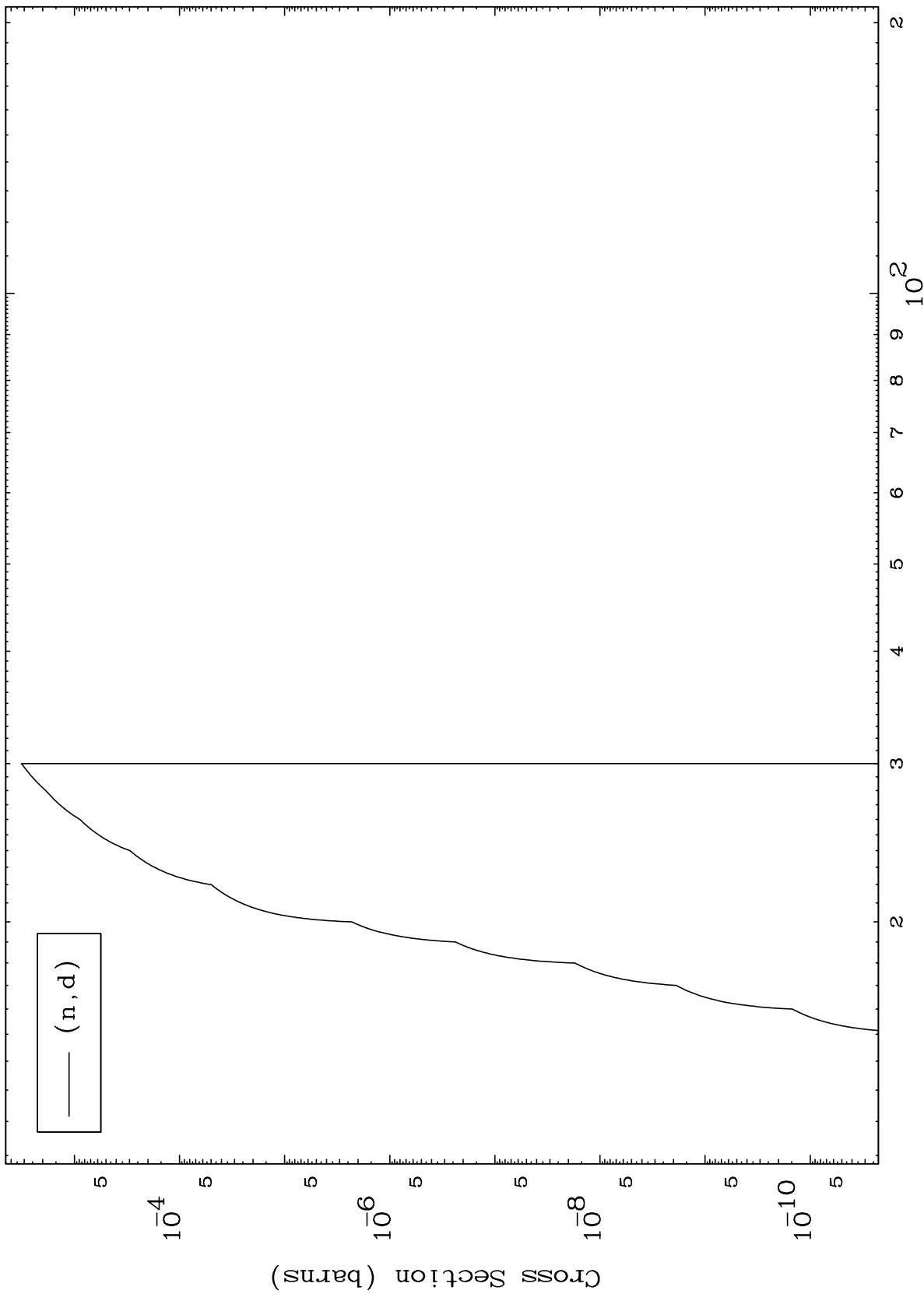
58-Ce-139m

MAT 5835

( $\alpha, d$ ) Levels

58-Ce-139m

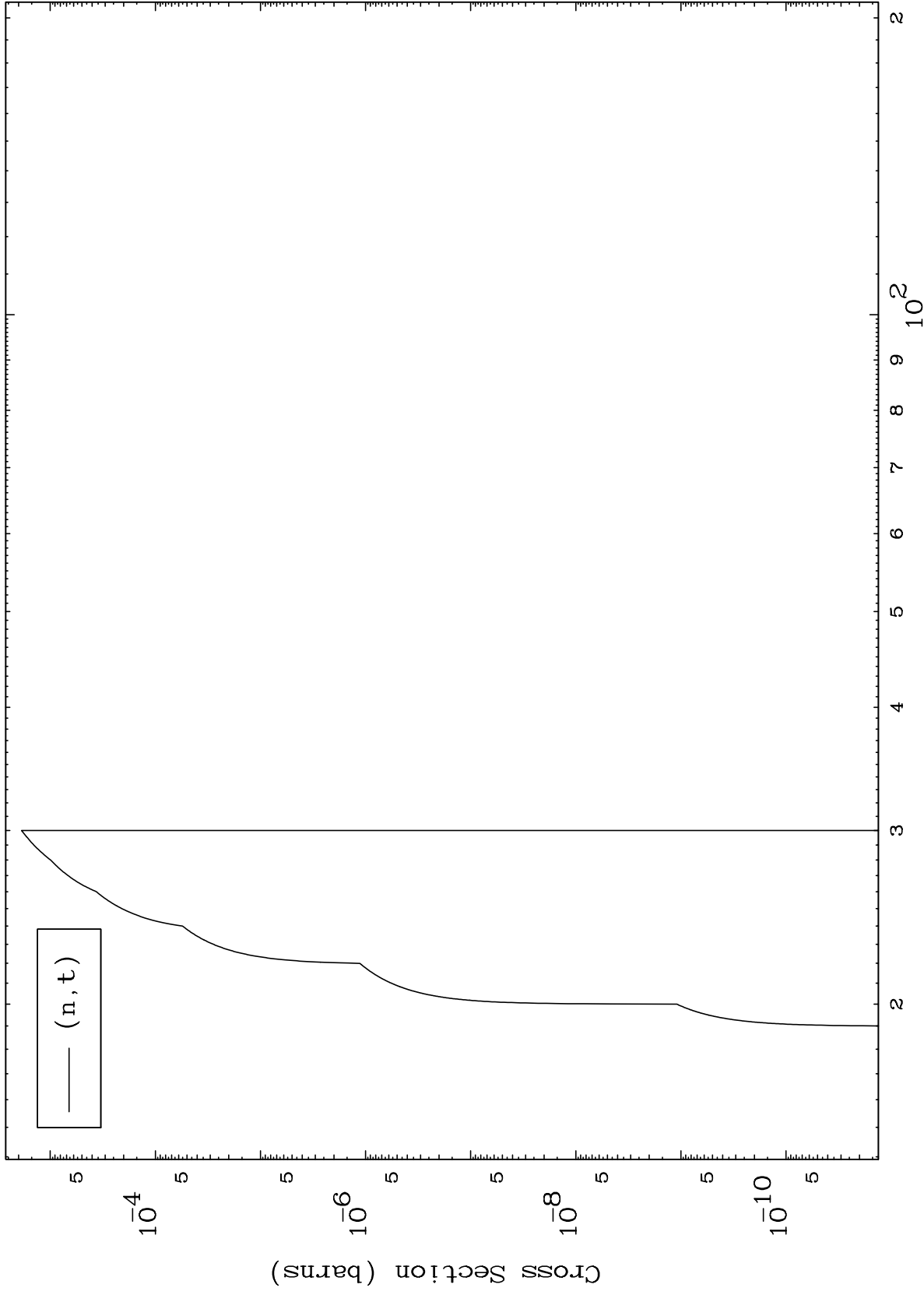
0 Kelvin Cross Sections



MAT 5835

( $\alpha, t$ ) Levels  
0 Kelvin Cross Sections

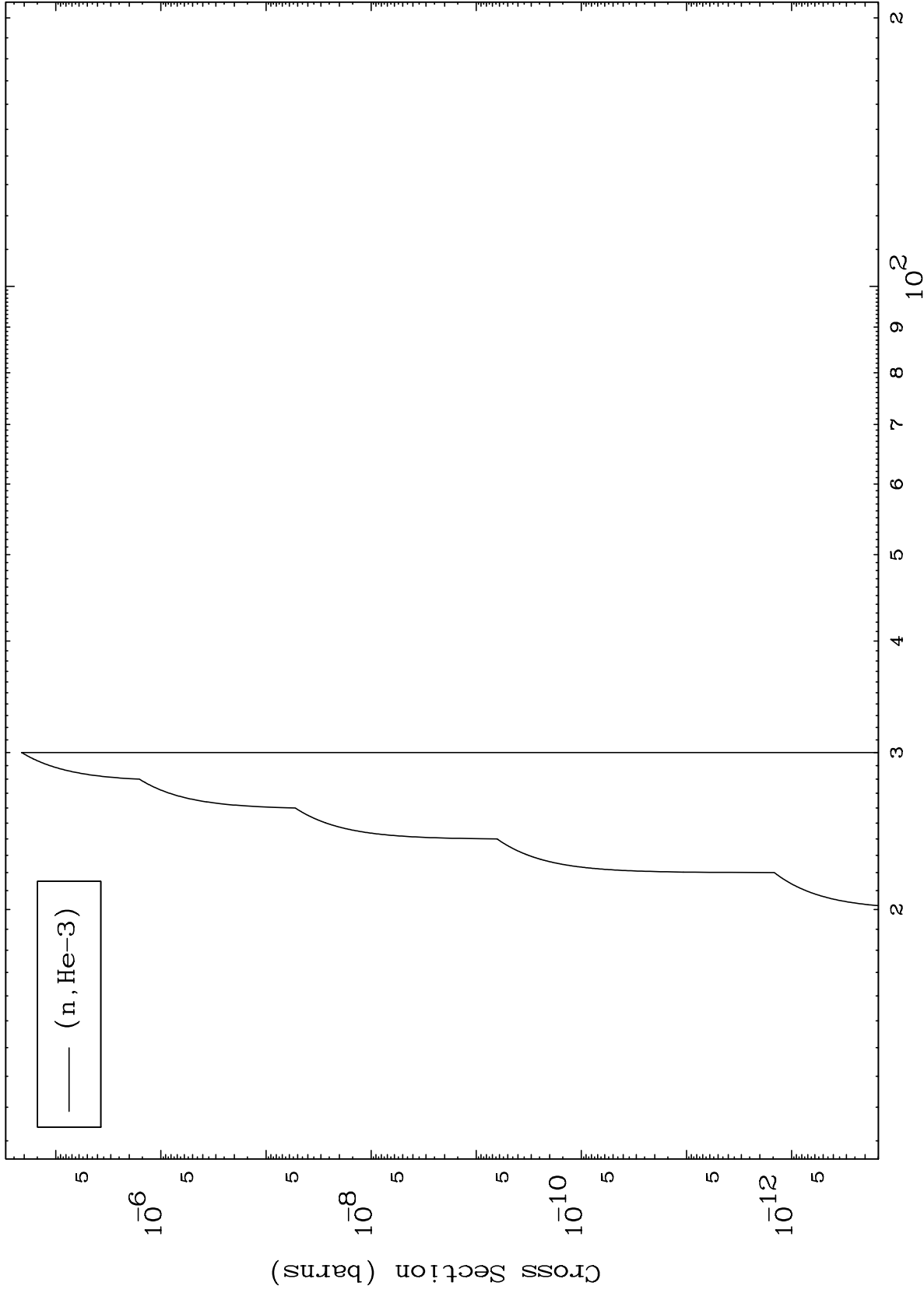
58-Ce-139m



8

Incident Energy (MeV)

58-Ce-139m

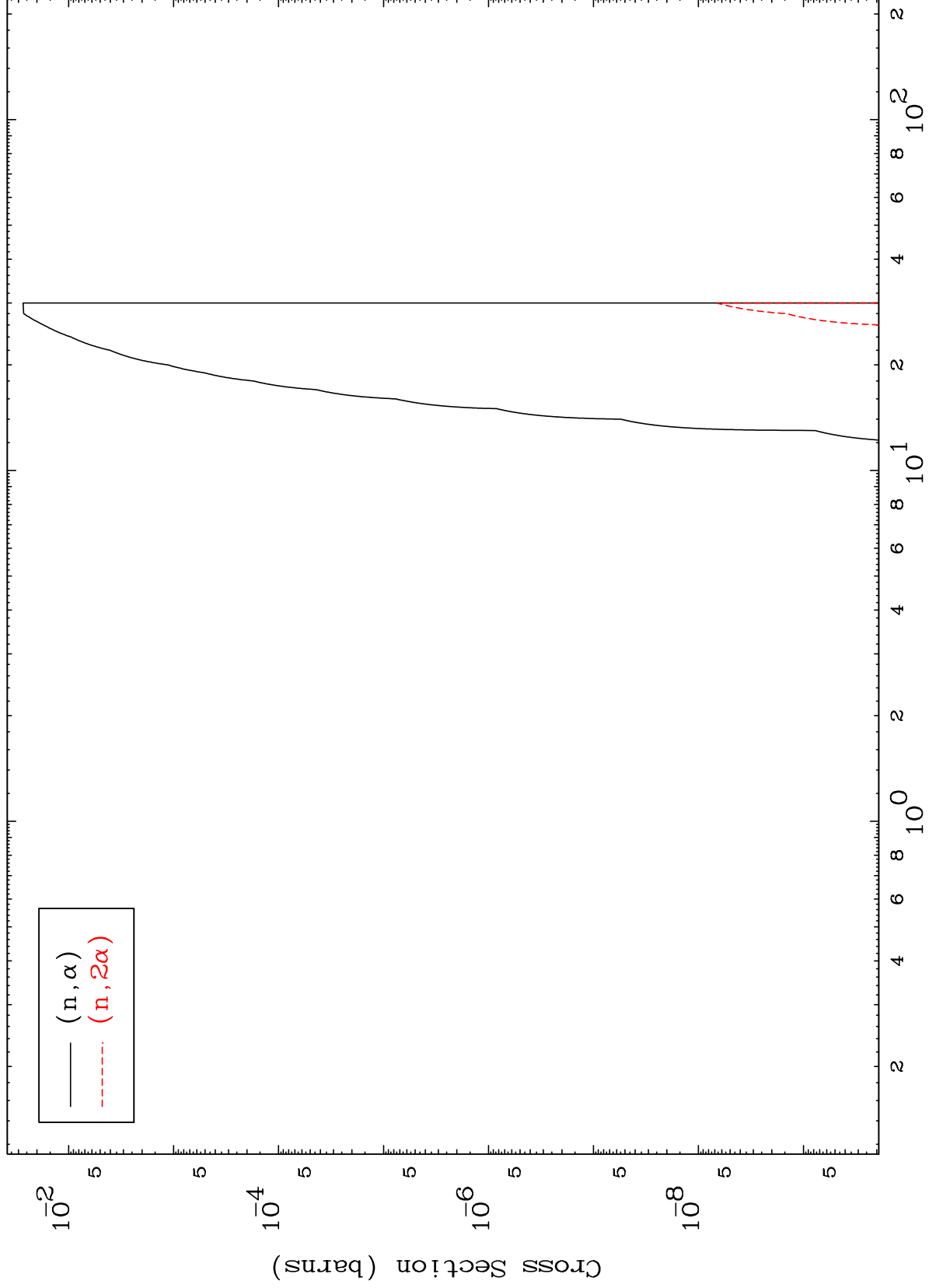


MAT 5835

( $\alpha, \alpha$ ) Levels

58-Ce-139m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

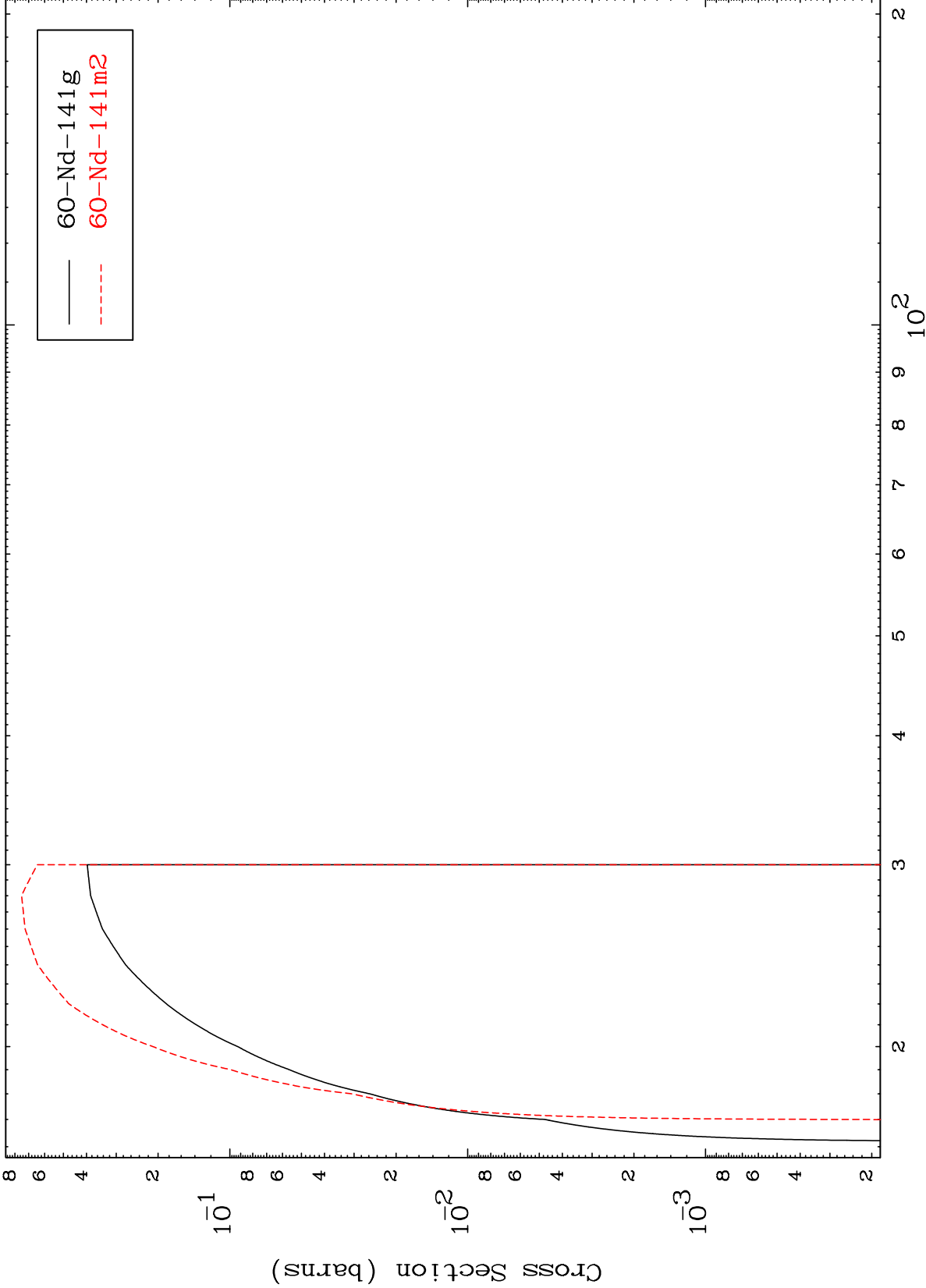
58-Ce-139m

MAT 5835

(n,2n)

58-Ce-139m

Radionuclide Production Cross Section



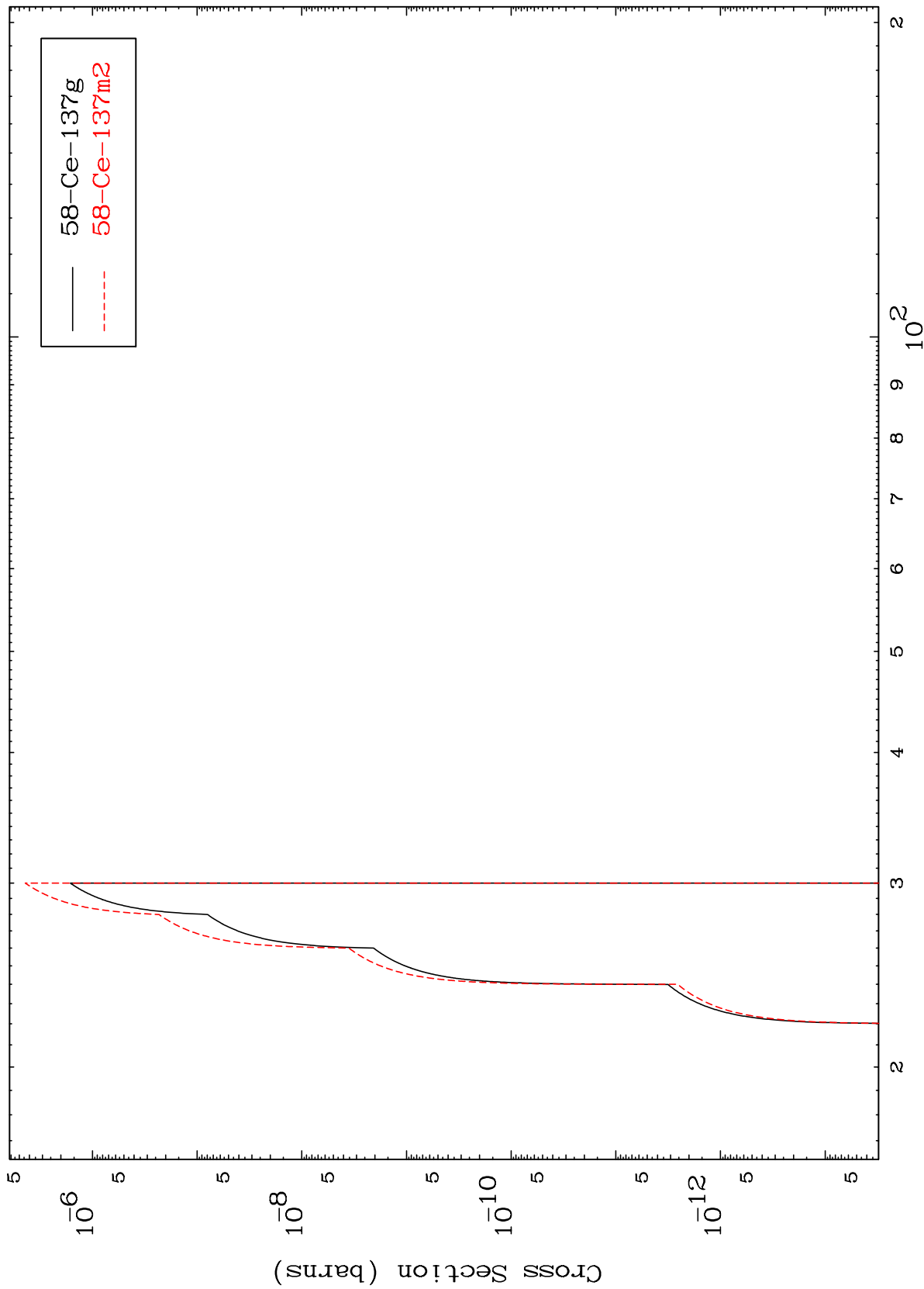
60-Nd-141g  
60-Nd-141m2

MAT 5835

$(n,2n) \alpha$

58-Ce-139m

Radionuclide Production Cross Section



12

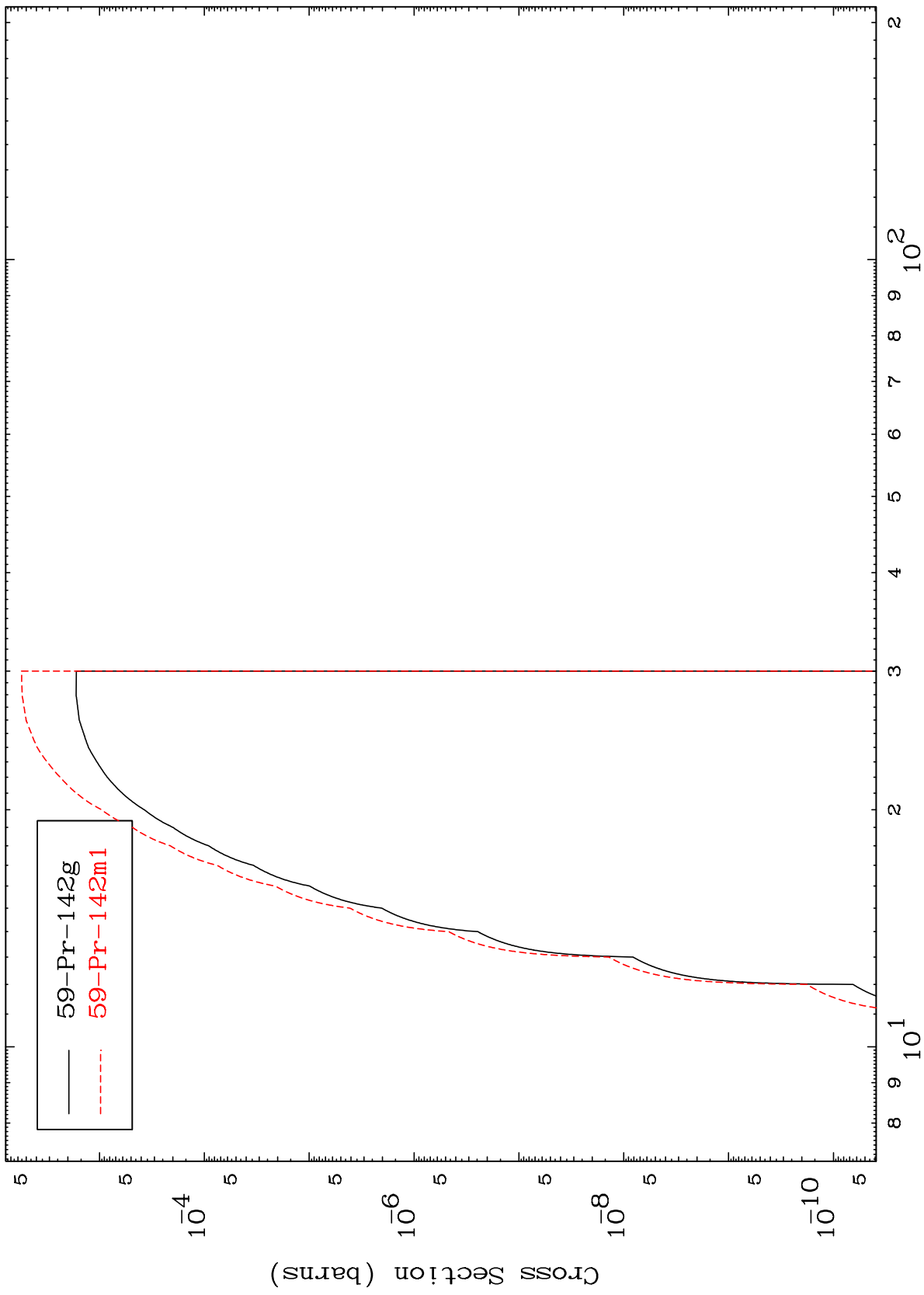
Incident Energy (MeV)

58-Ce-139m

MAT 5835

58-Ce-139m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

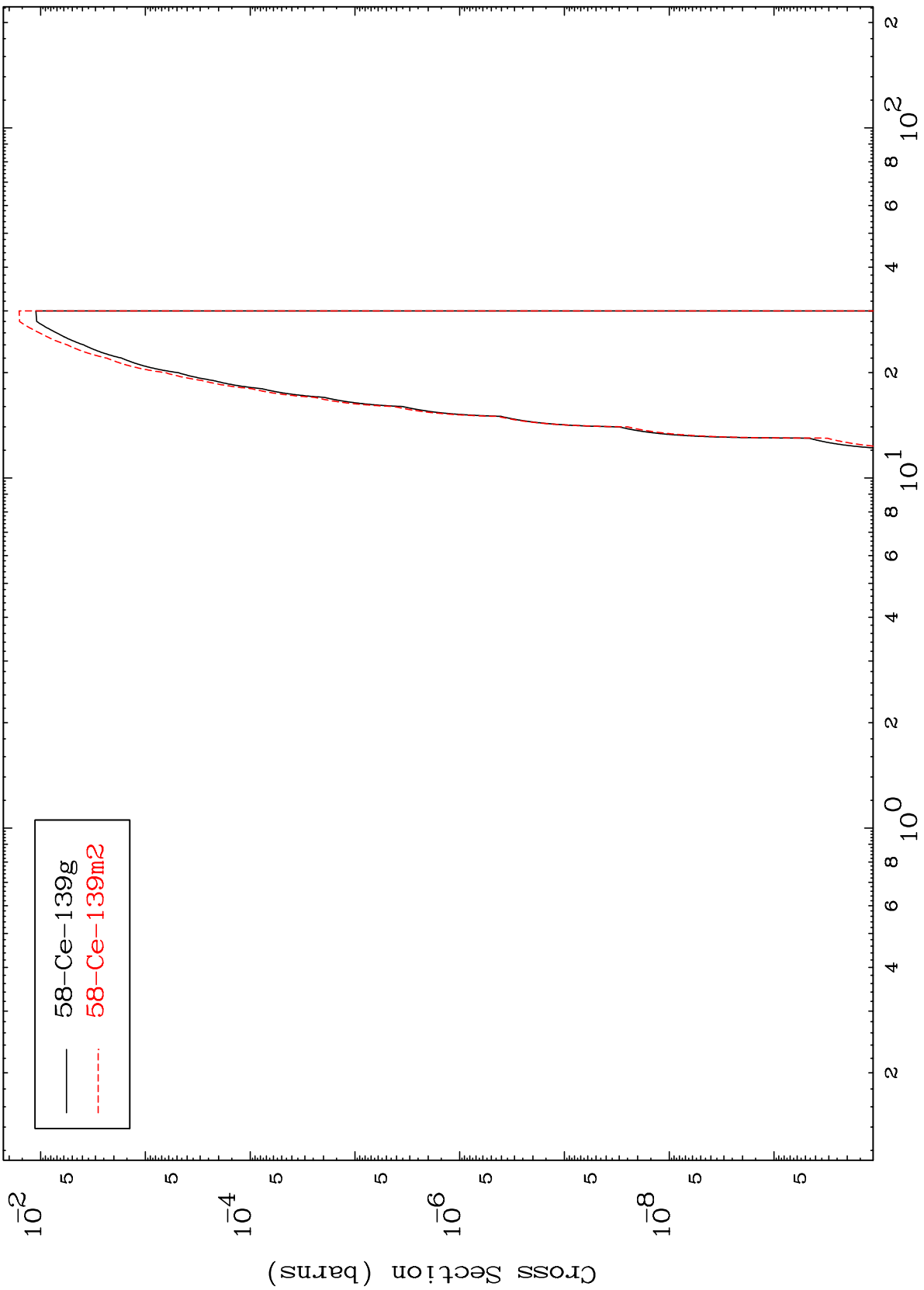
58-Ce-139m

MAT 5835

(n,  $\alpha$ )

58-Ce-139m

Radionuclide Production Cross Section



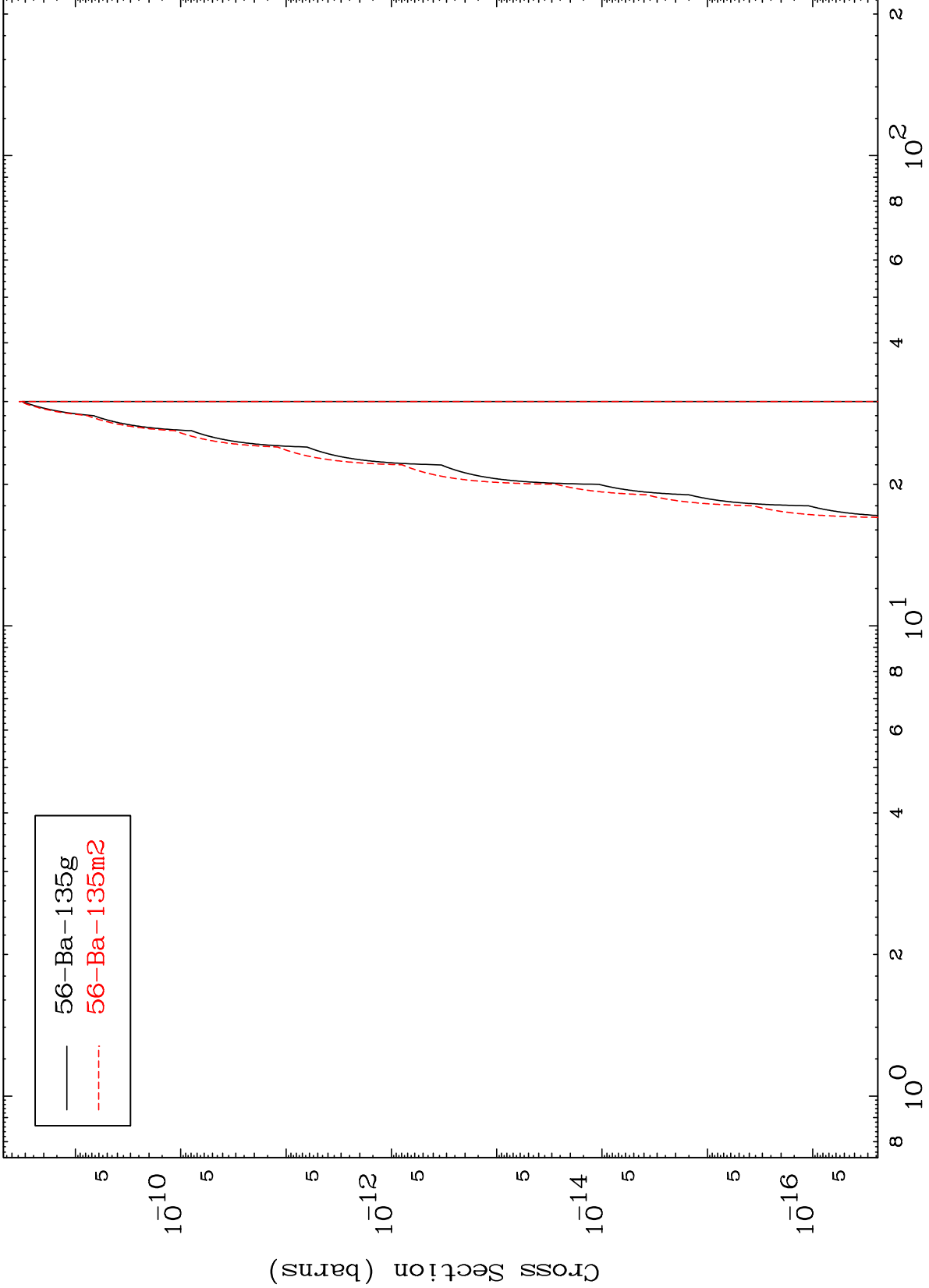
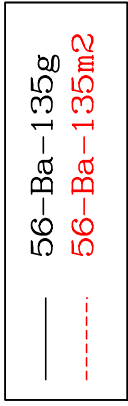
58-Ce-139g  
58-Ce-139m2

MAT 5835

(n,2α)

58-Ce-139m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

58-Ce-139m