

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

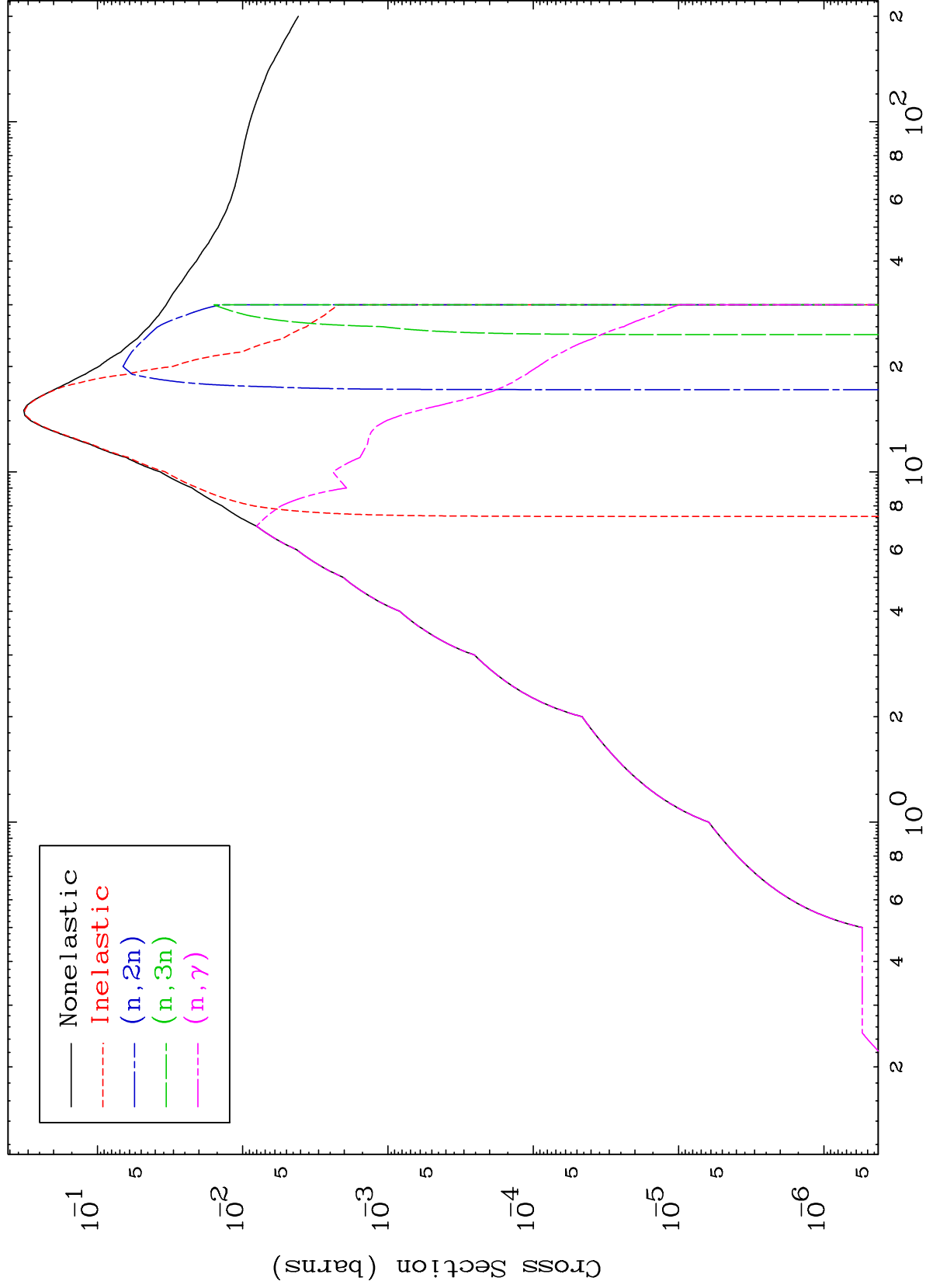
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5834

Photon Major
0 Kelvin Cross Sections

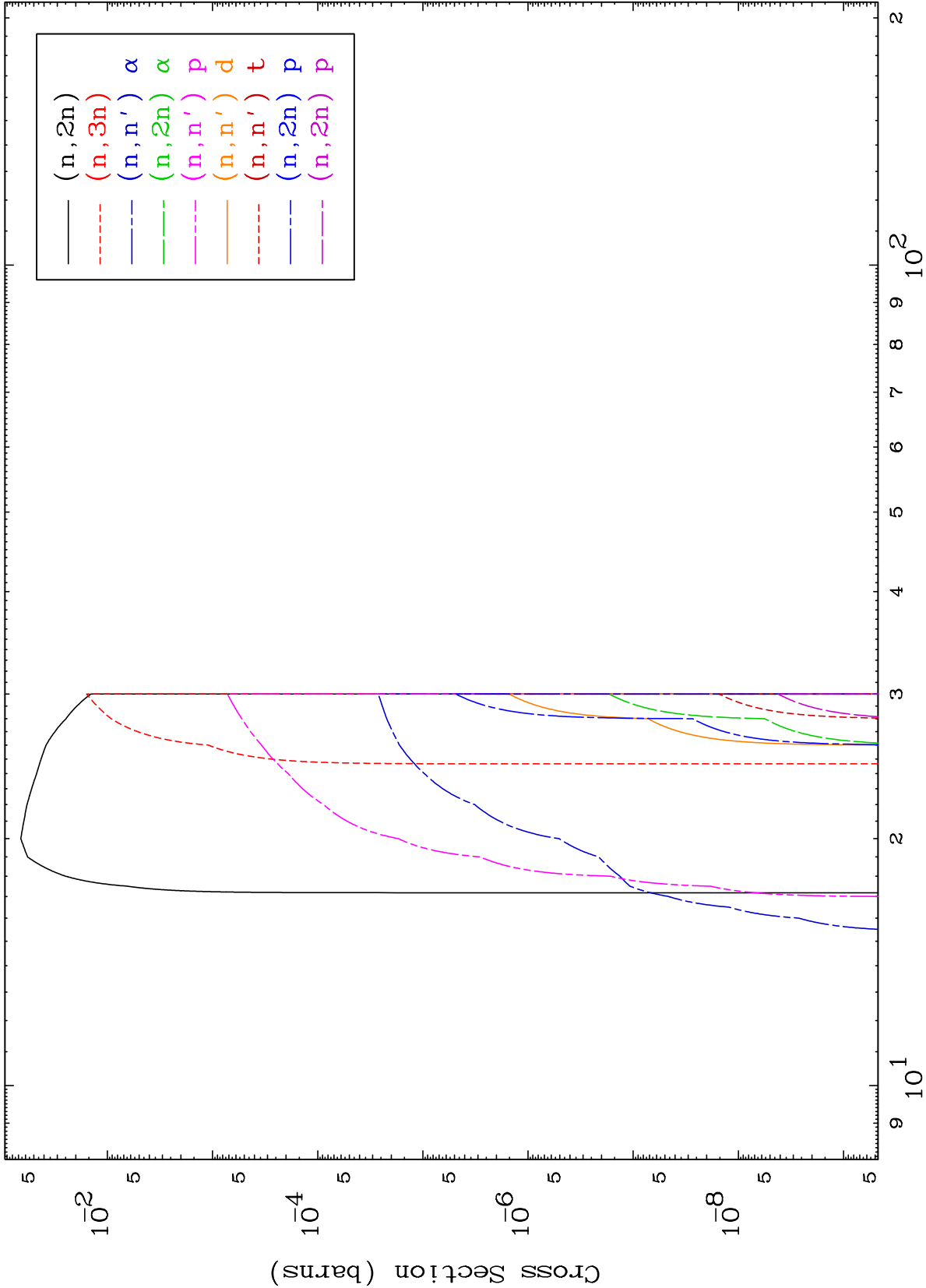
58-Ce-139

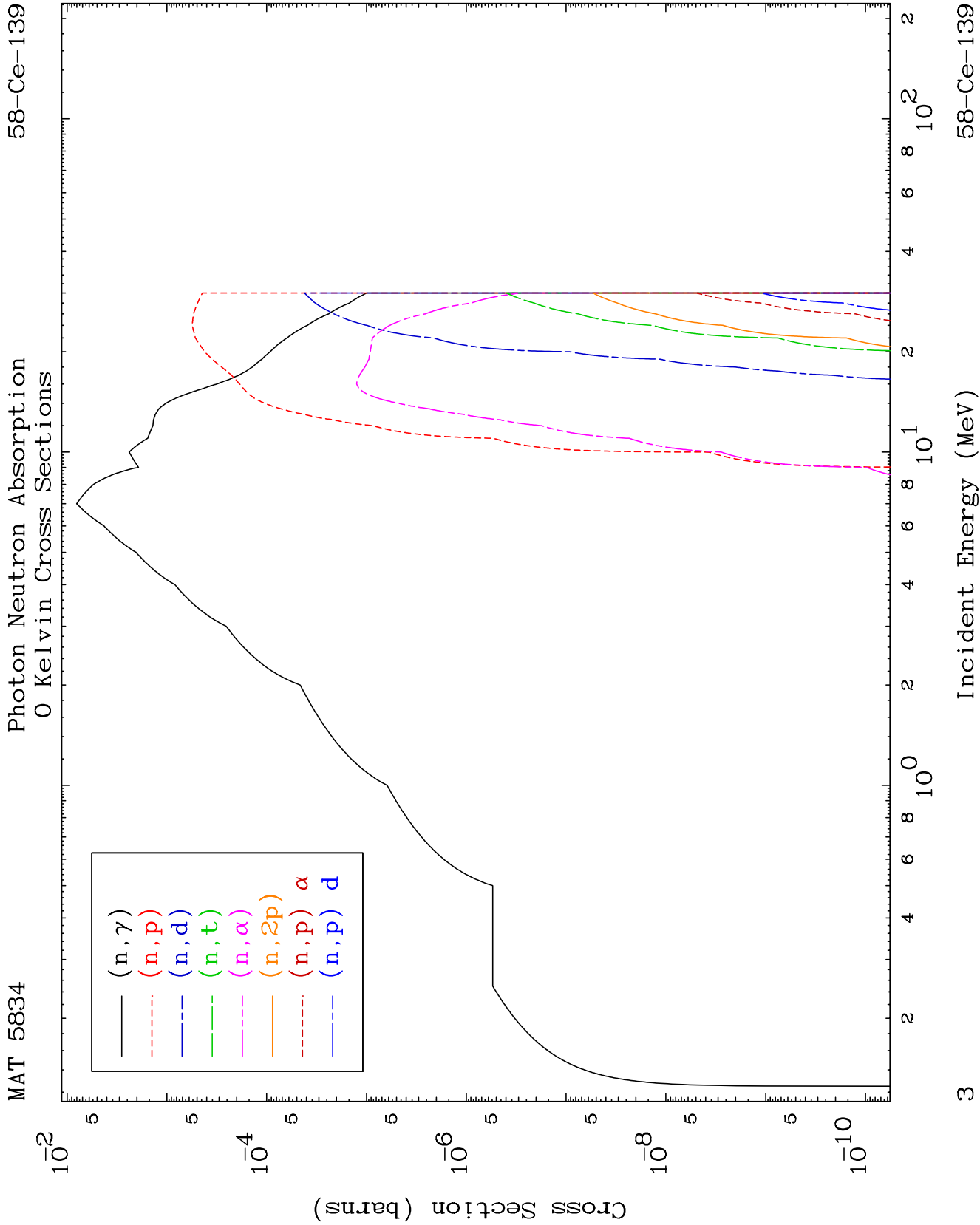


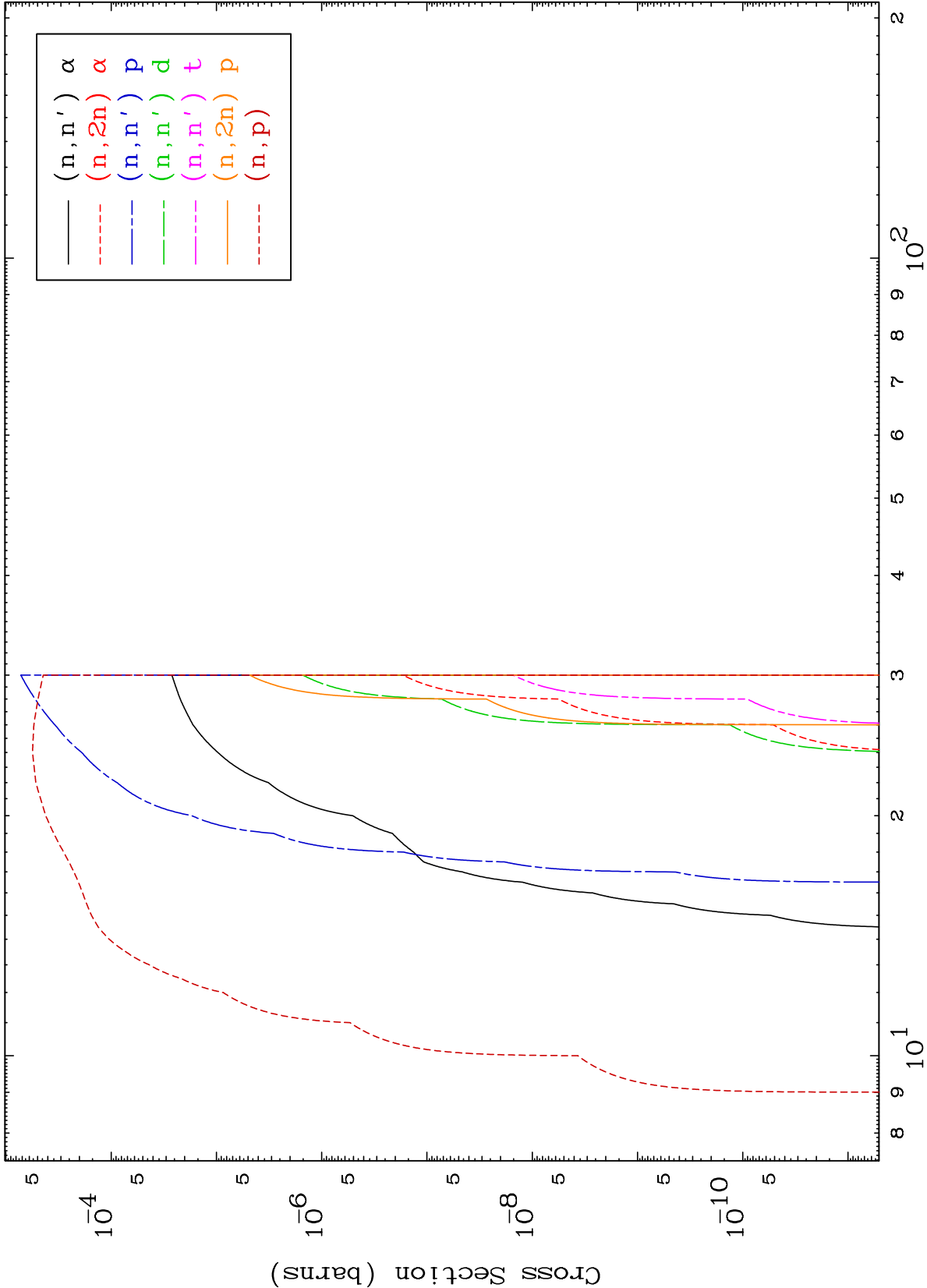
1

Incident Energy (MeV)

58-Ce-139



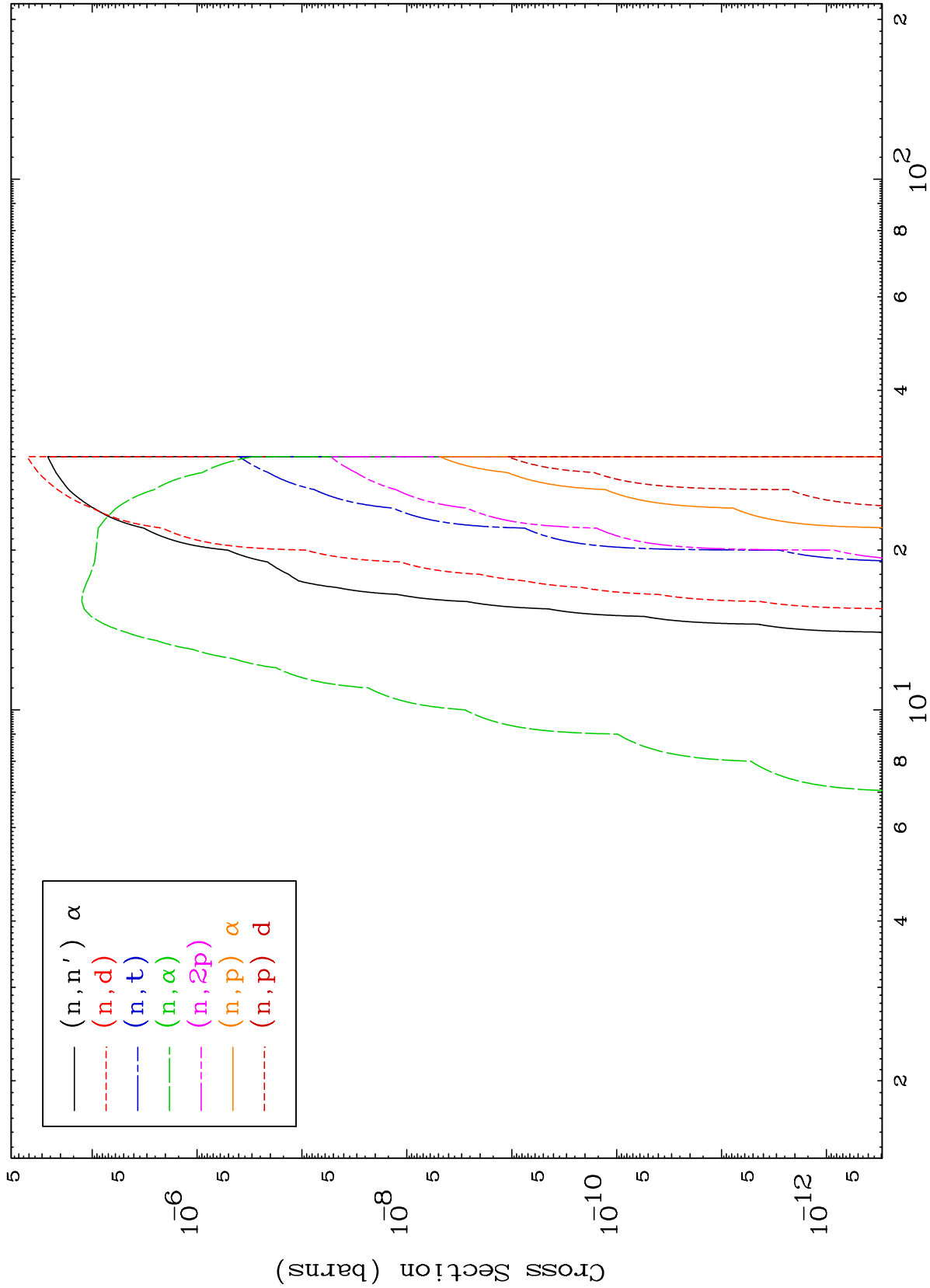




MAT 5834

Photon Charged Particle
0 Kelvin Cross Sections

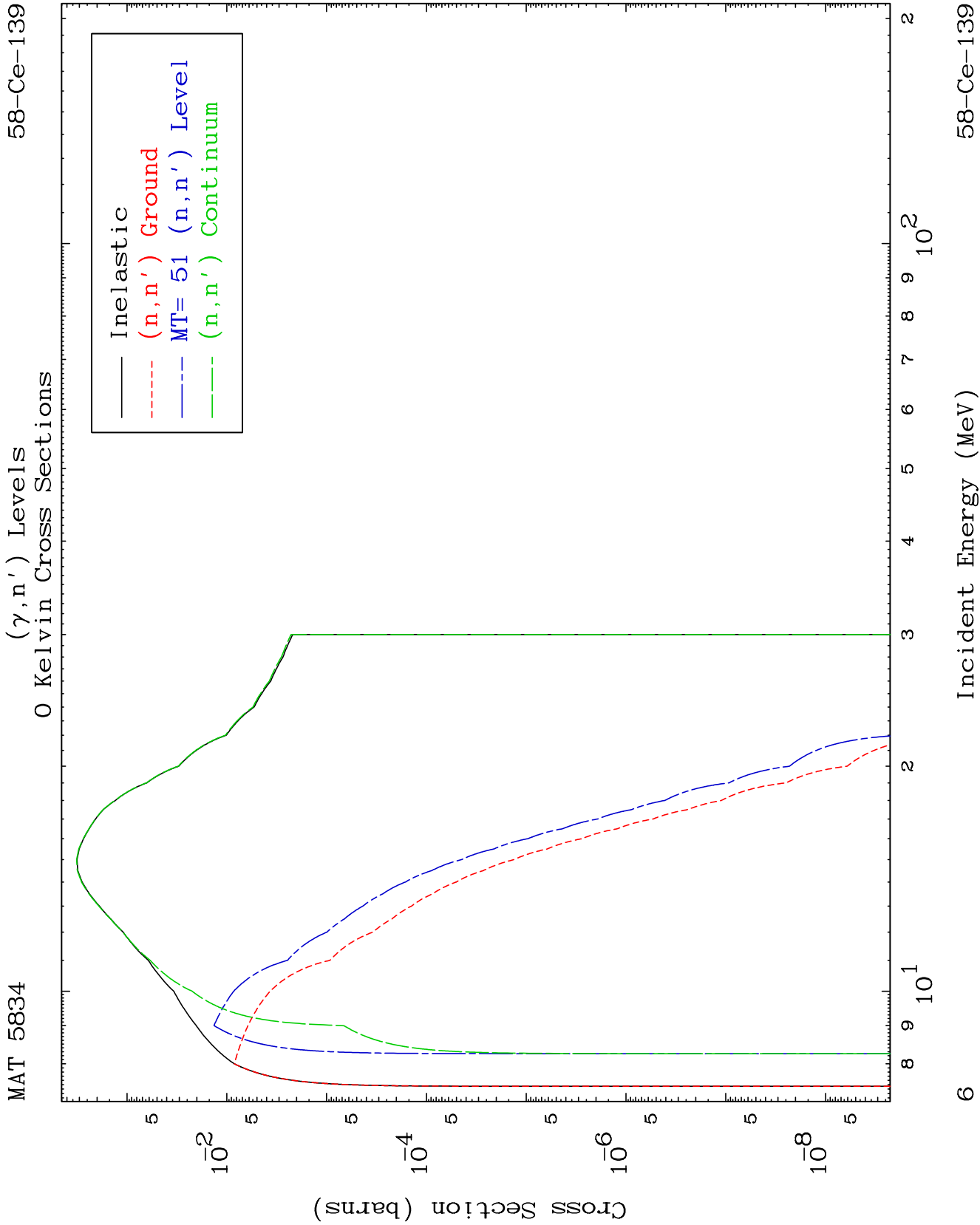
58-Ce-139



5

Incident Energy (MeV)

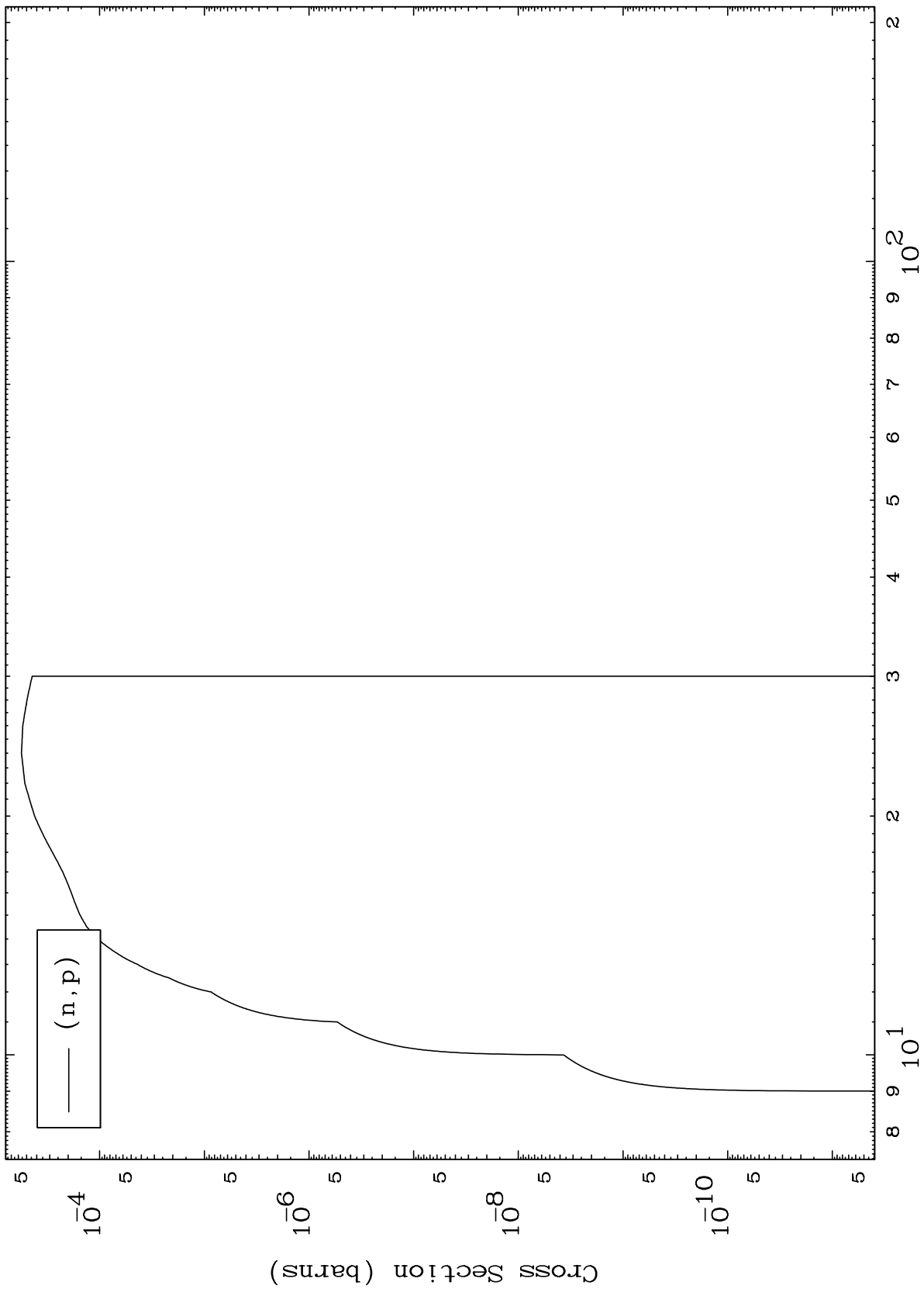
58-Ce-139



MAT 5834

58-Ce-139

(γ, p) Levels
0 Kelvin Cross Sections



58-Ce-139

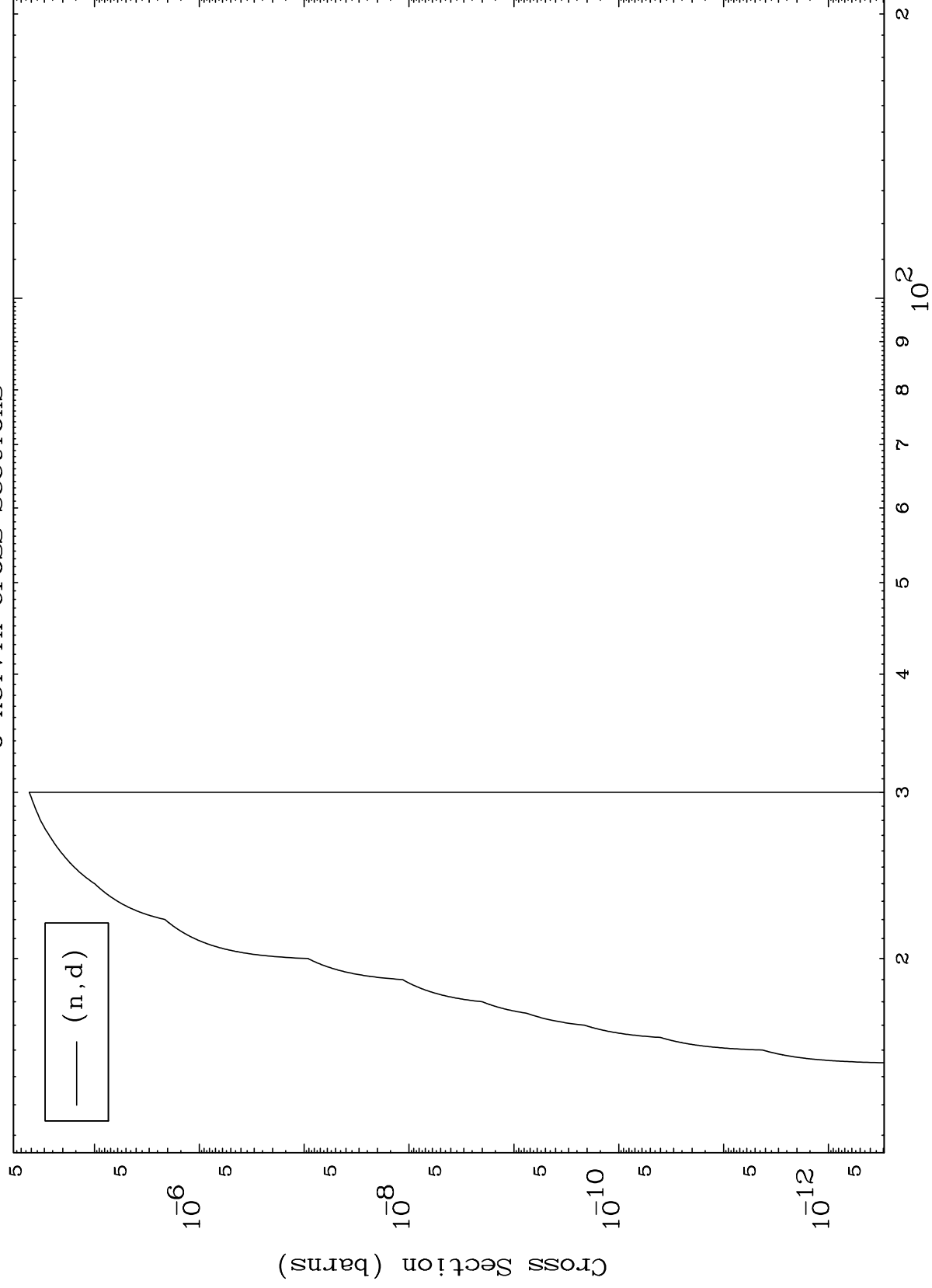
Incident Energy (MeV)

7

MAT 5834

58-Ce-139

(γ, d) Levels
0 Kelvin Cross Sections



58-Ce-139

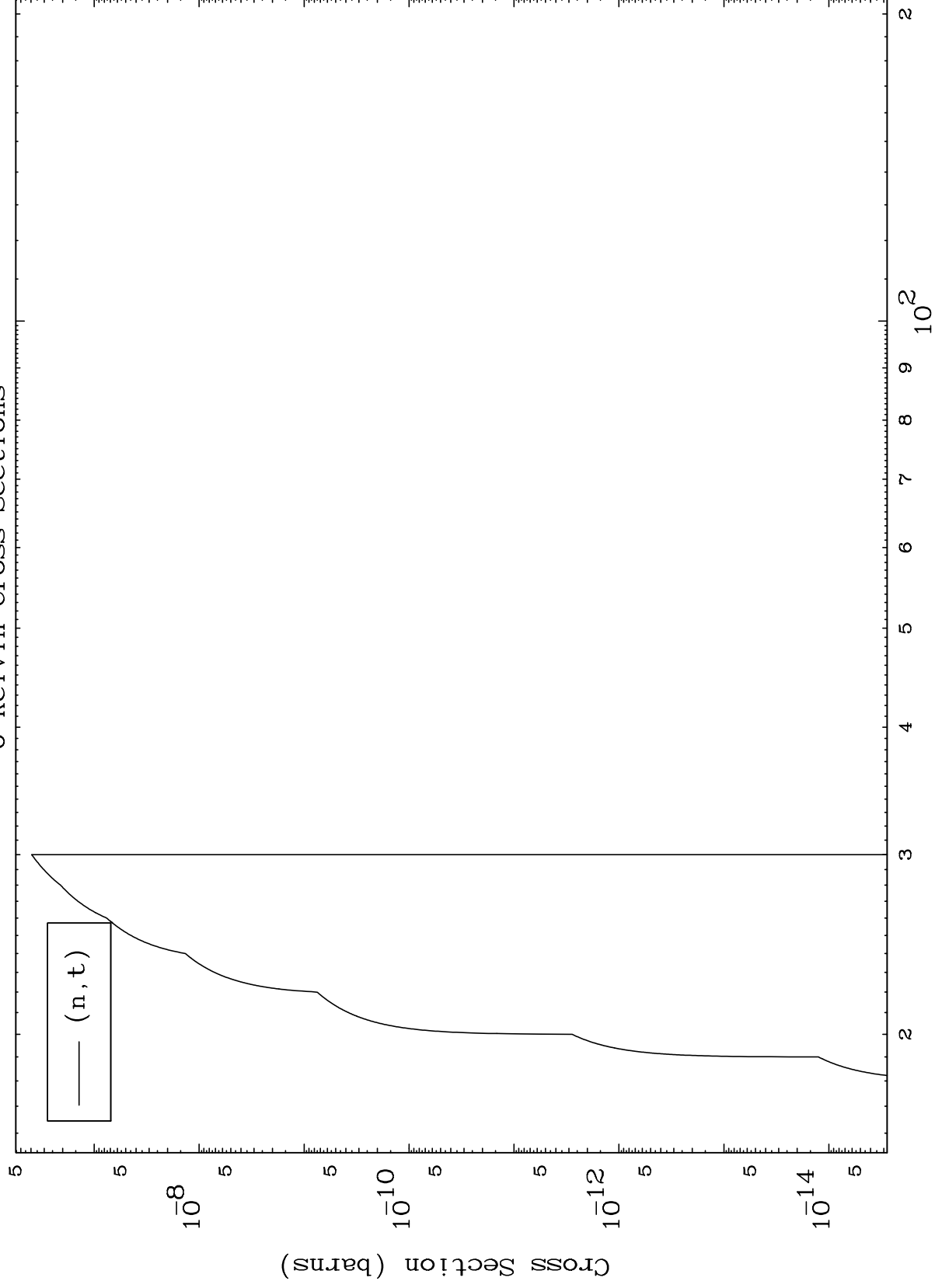
Incident Energy (MeV)

8

MAT 5834

58-Ce-139

(γ, t) Levels
0 Kelvin Cross Sections



9

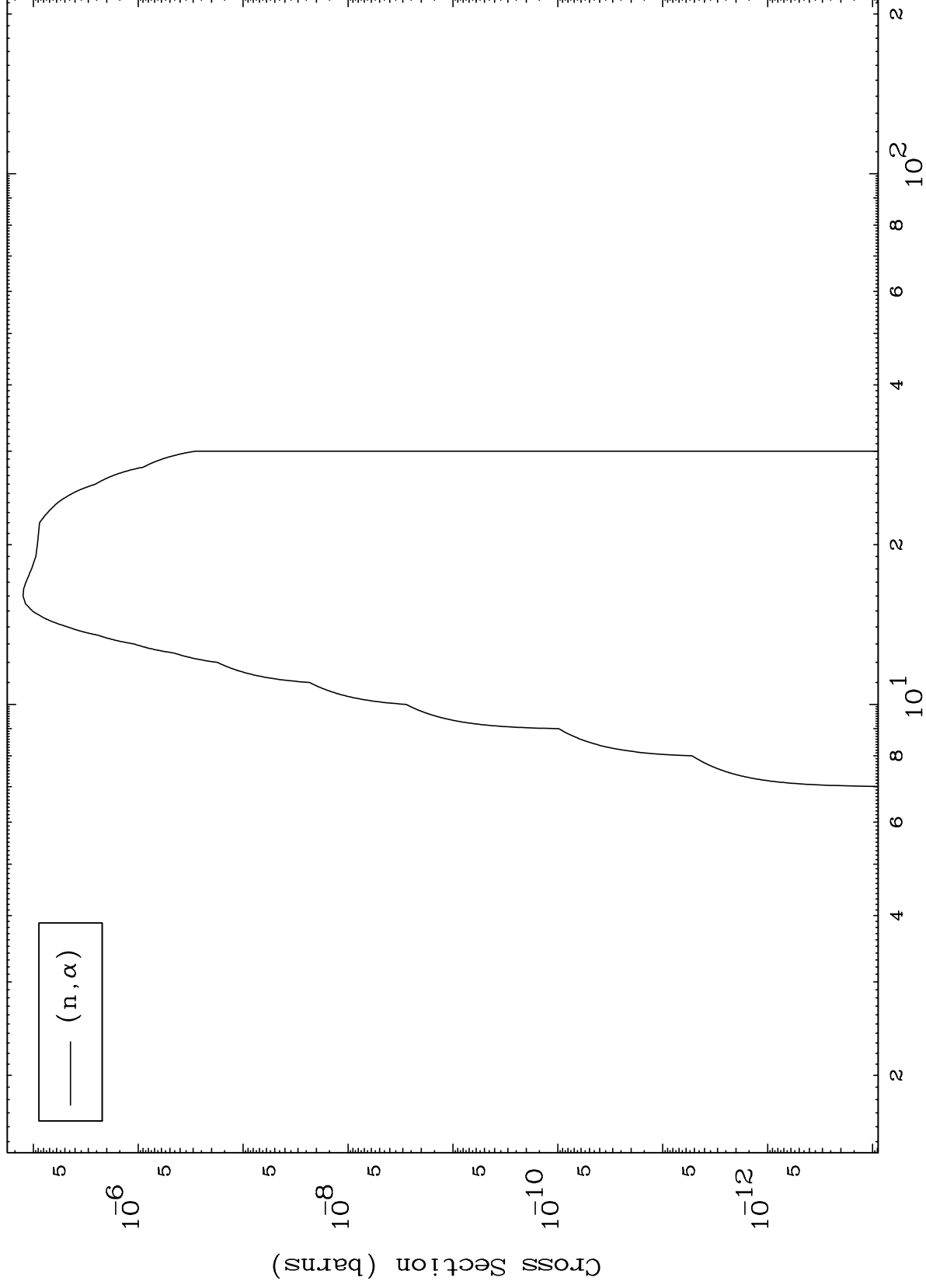
Incident Energy (MeV)

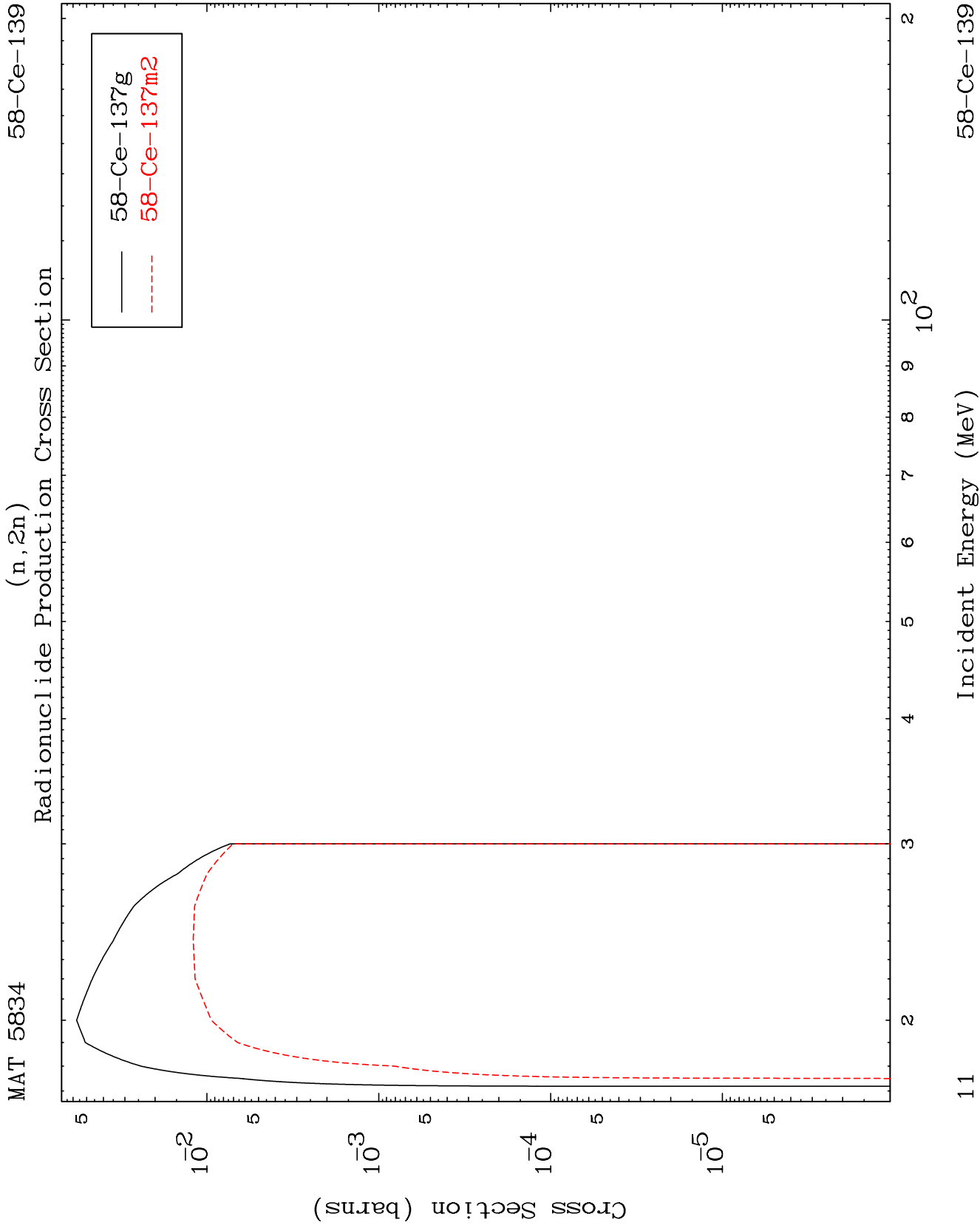
58-Ce-139

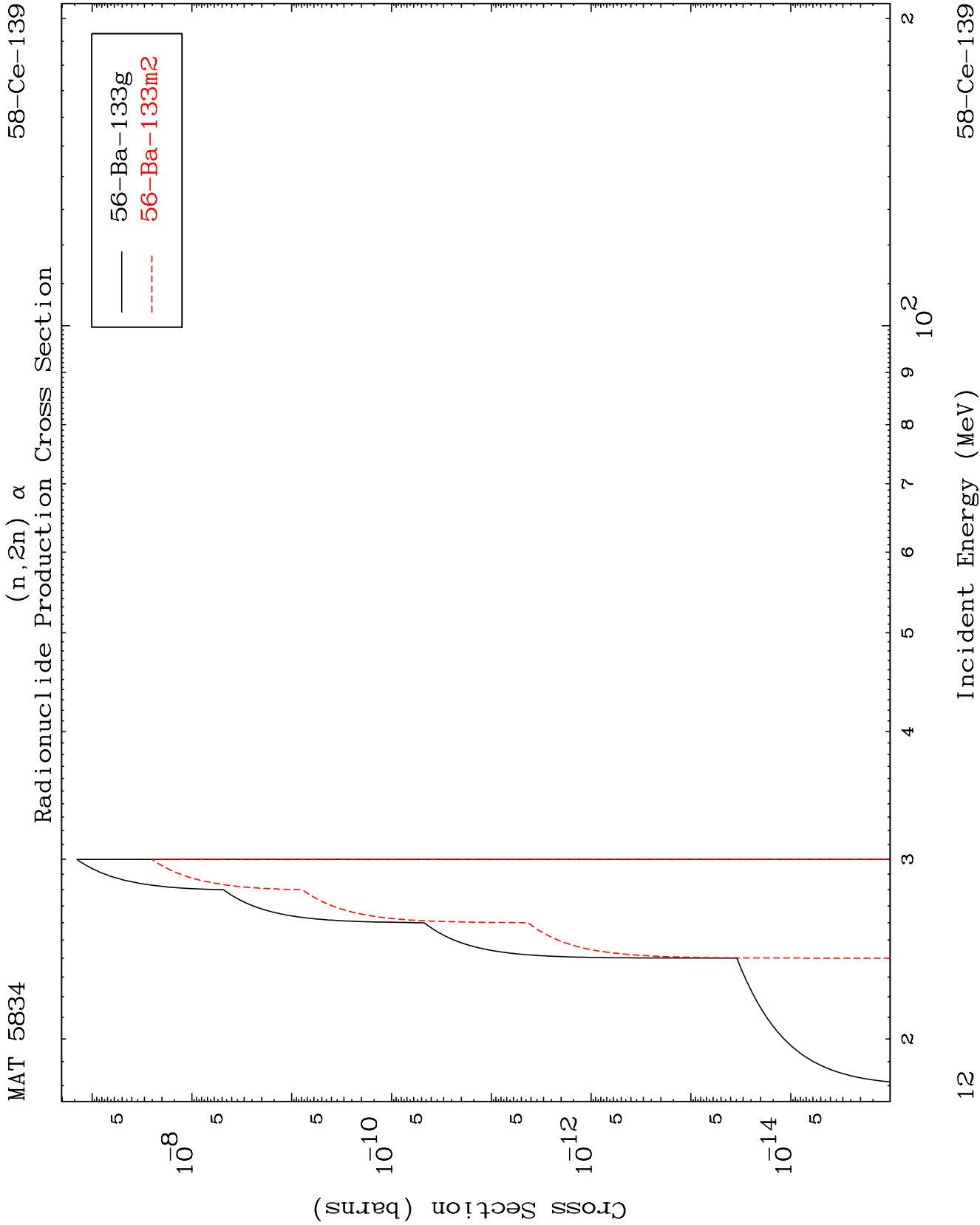
MAT 5834

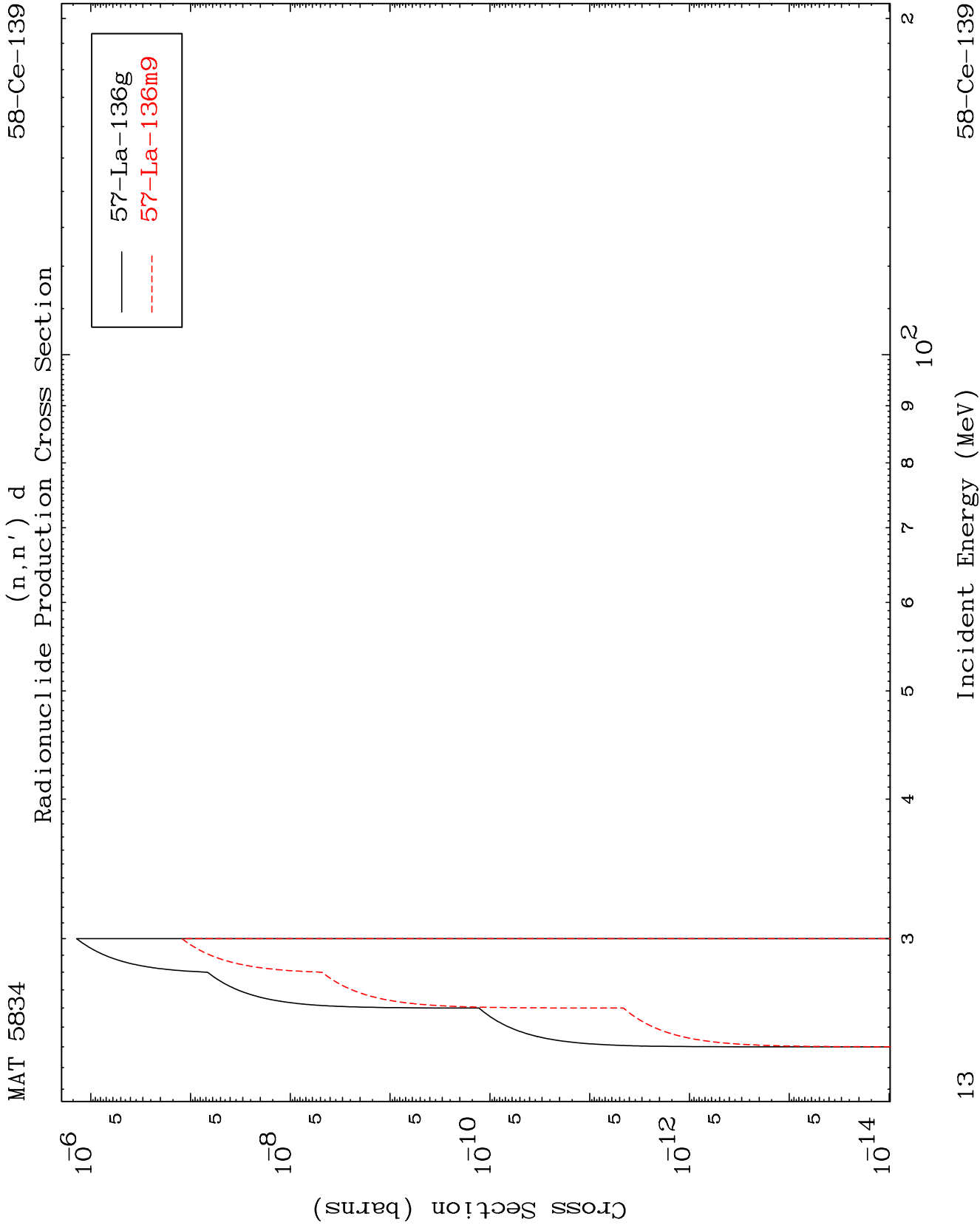
58-Ce-139

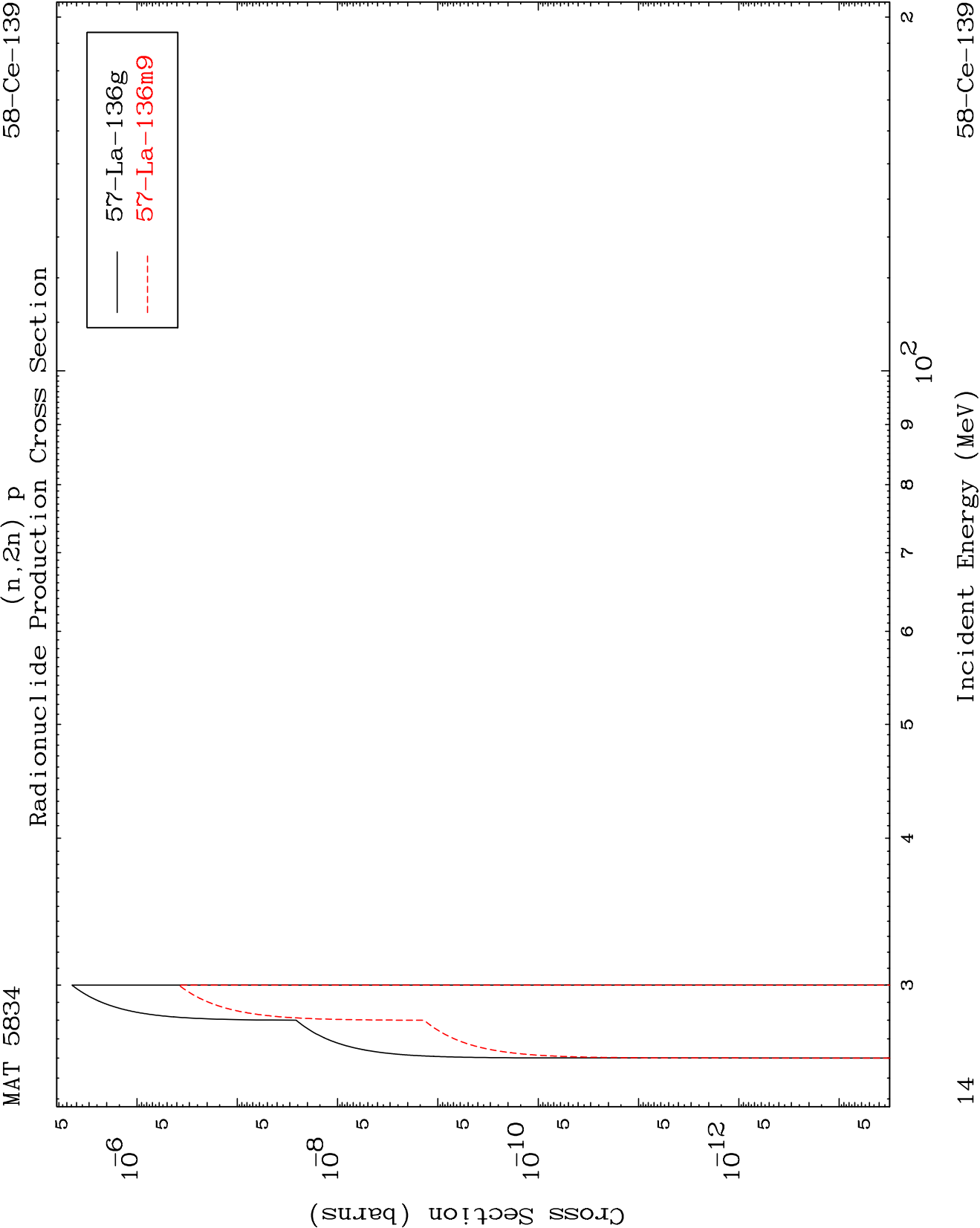
(γ, α) Levels
0 Kelvin Cross Sections







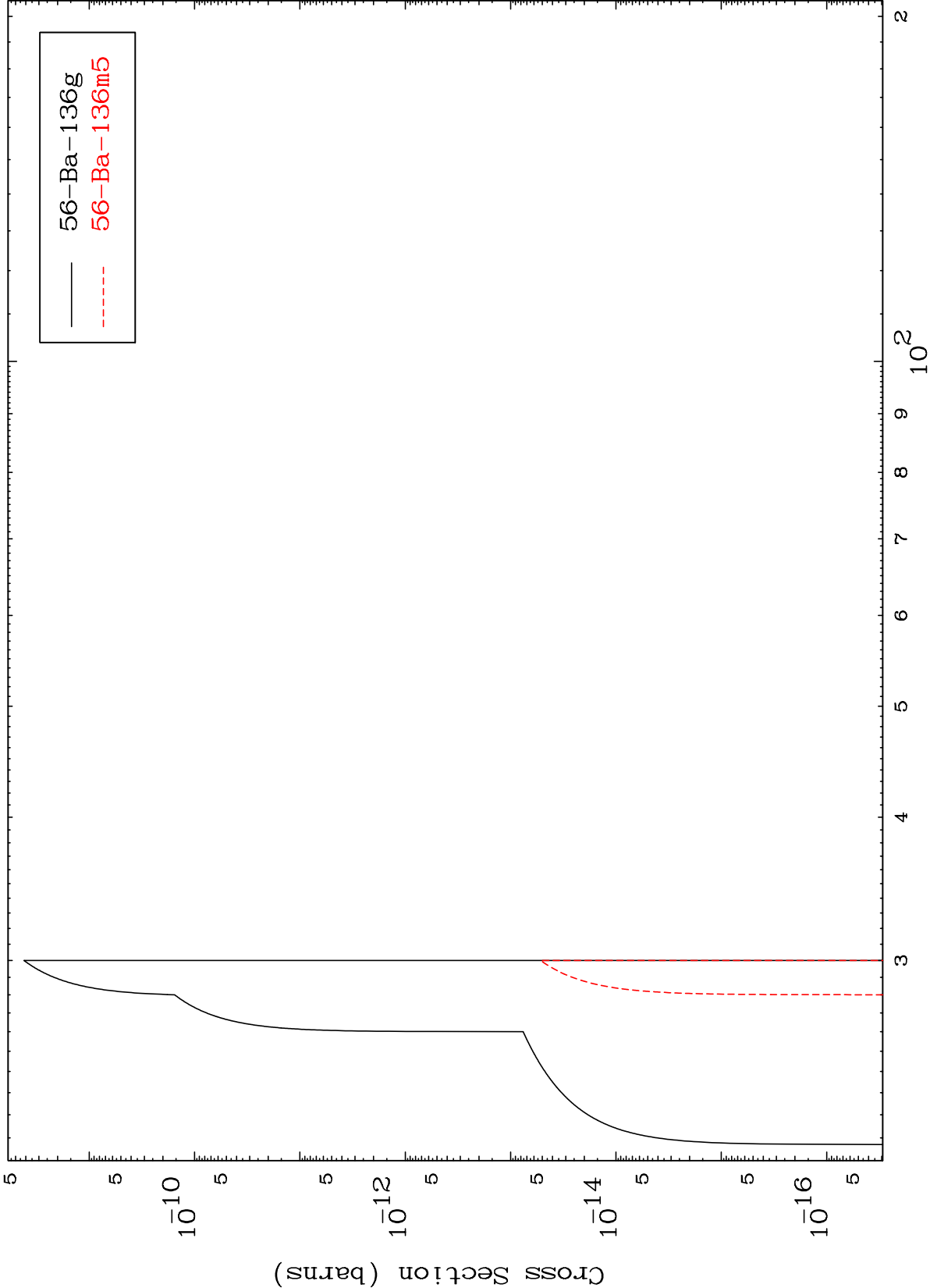




MAT 5834

58-Ce-139

(n,2n) p
Radionuclide Production Cross Section



15

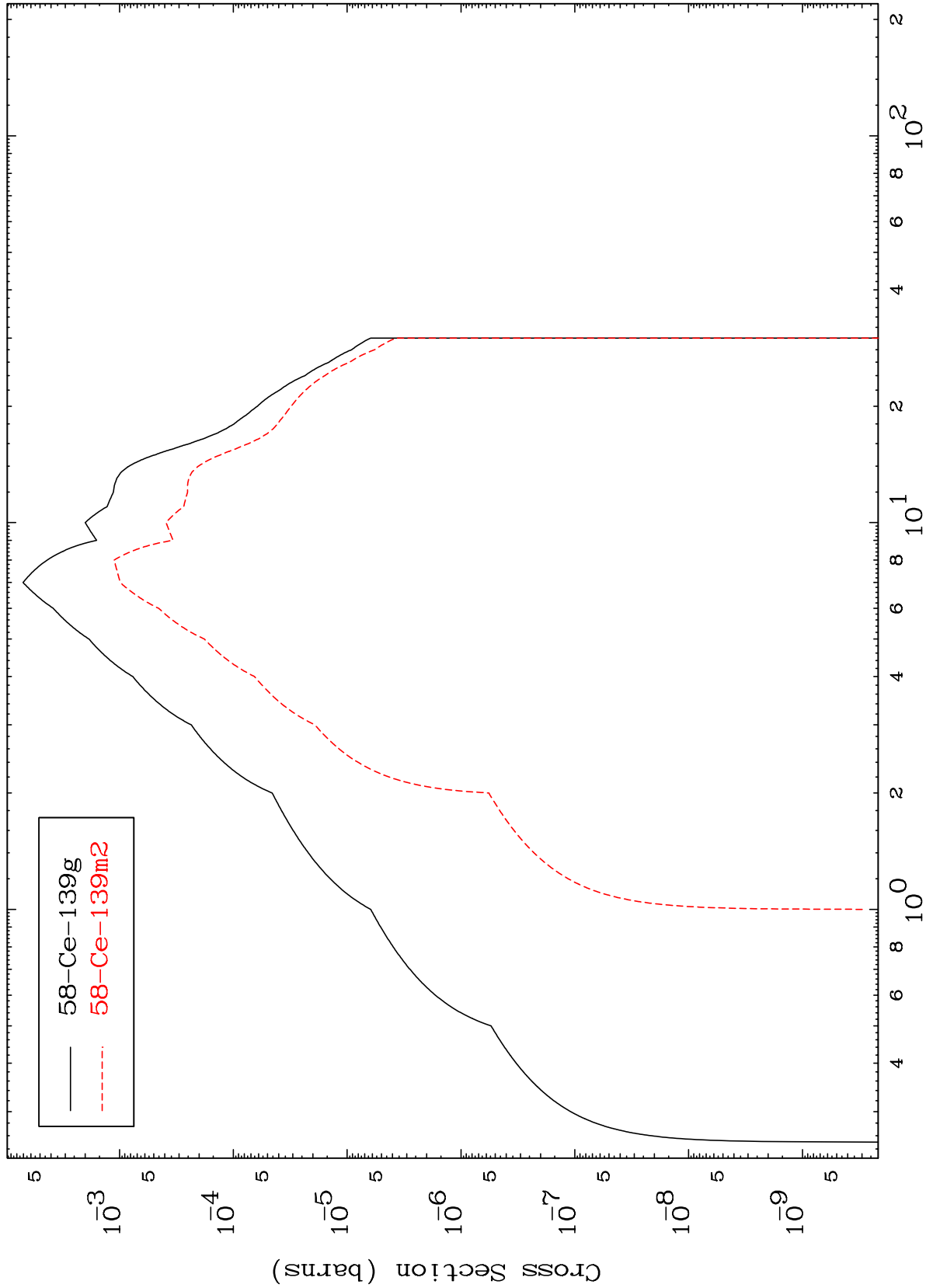
Incident Energy (MeV)

58-Ce-139

MAT 5834

58-Ce-139

Radionuclide Production Cross Section
(n, γ)



16

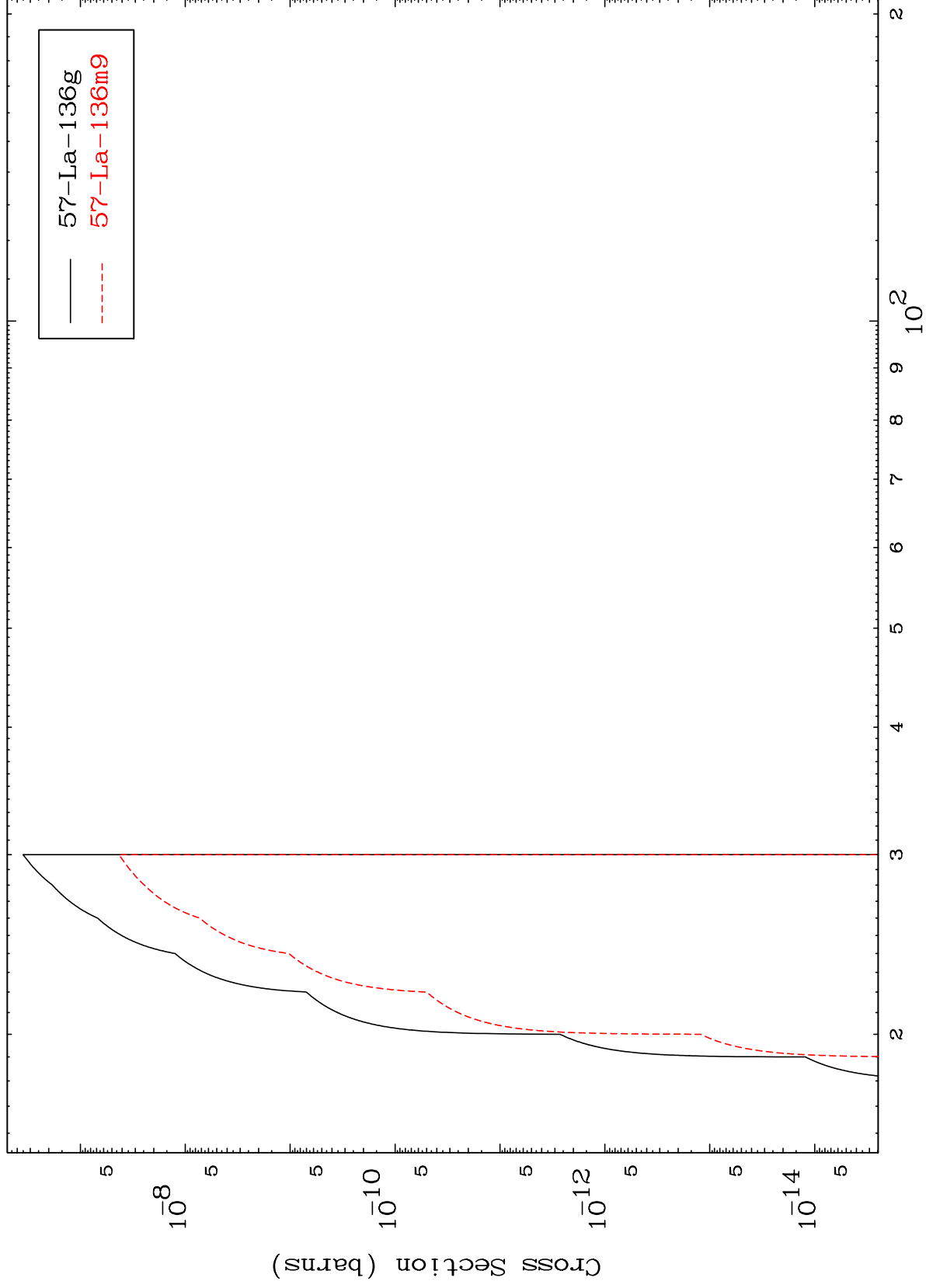
Incident Energy (MeV)

58-Ce-139

MAT 5834

58-Ce-139

(n,t)
Radionuclide Production Cross Section



17

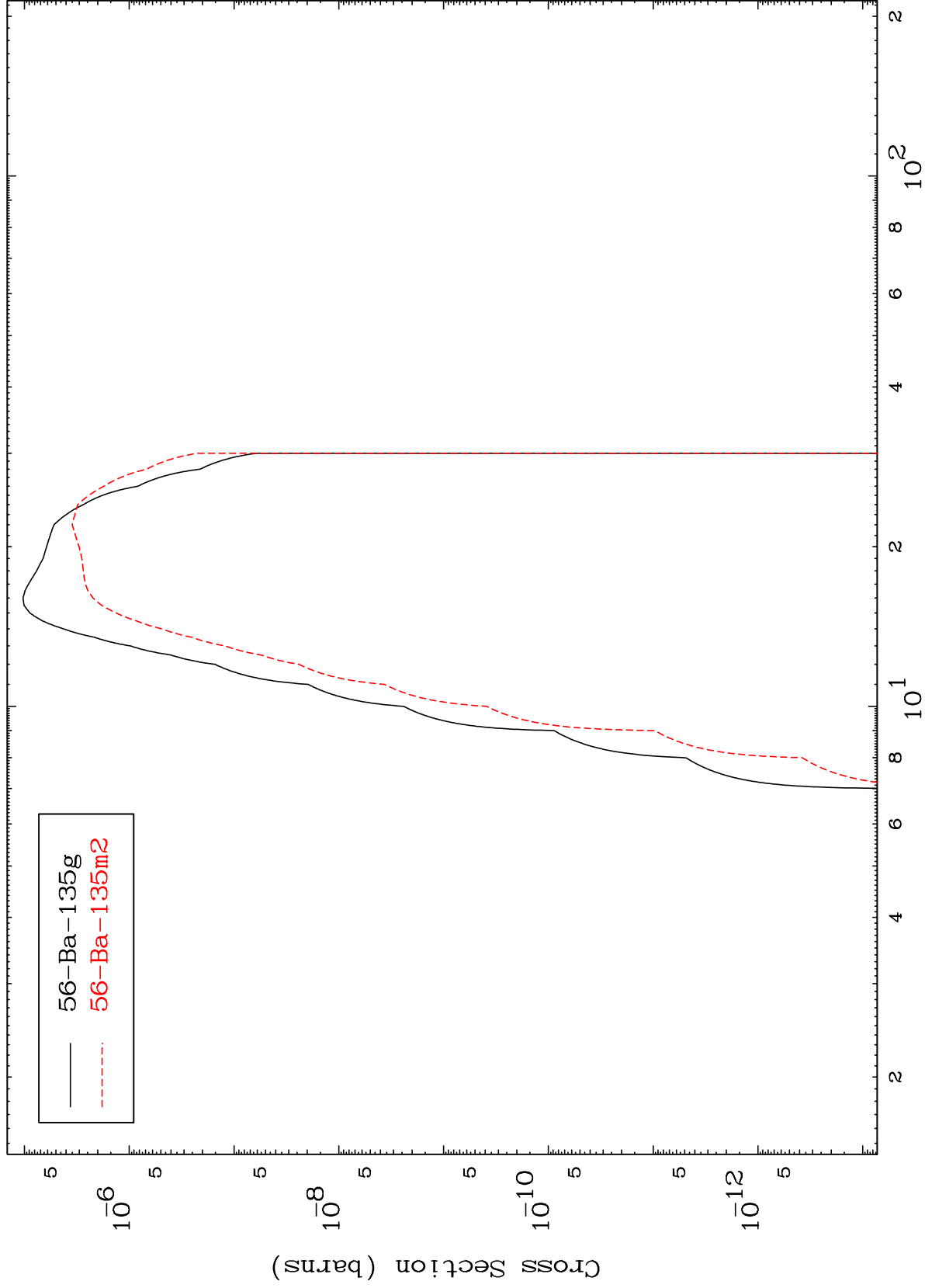
Incident Energy (MeV)

58-Ce-139

MAT 5834

58-Ce-139

Radionuclide Production Cross Section

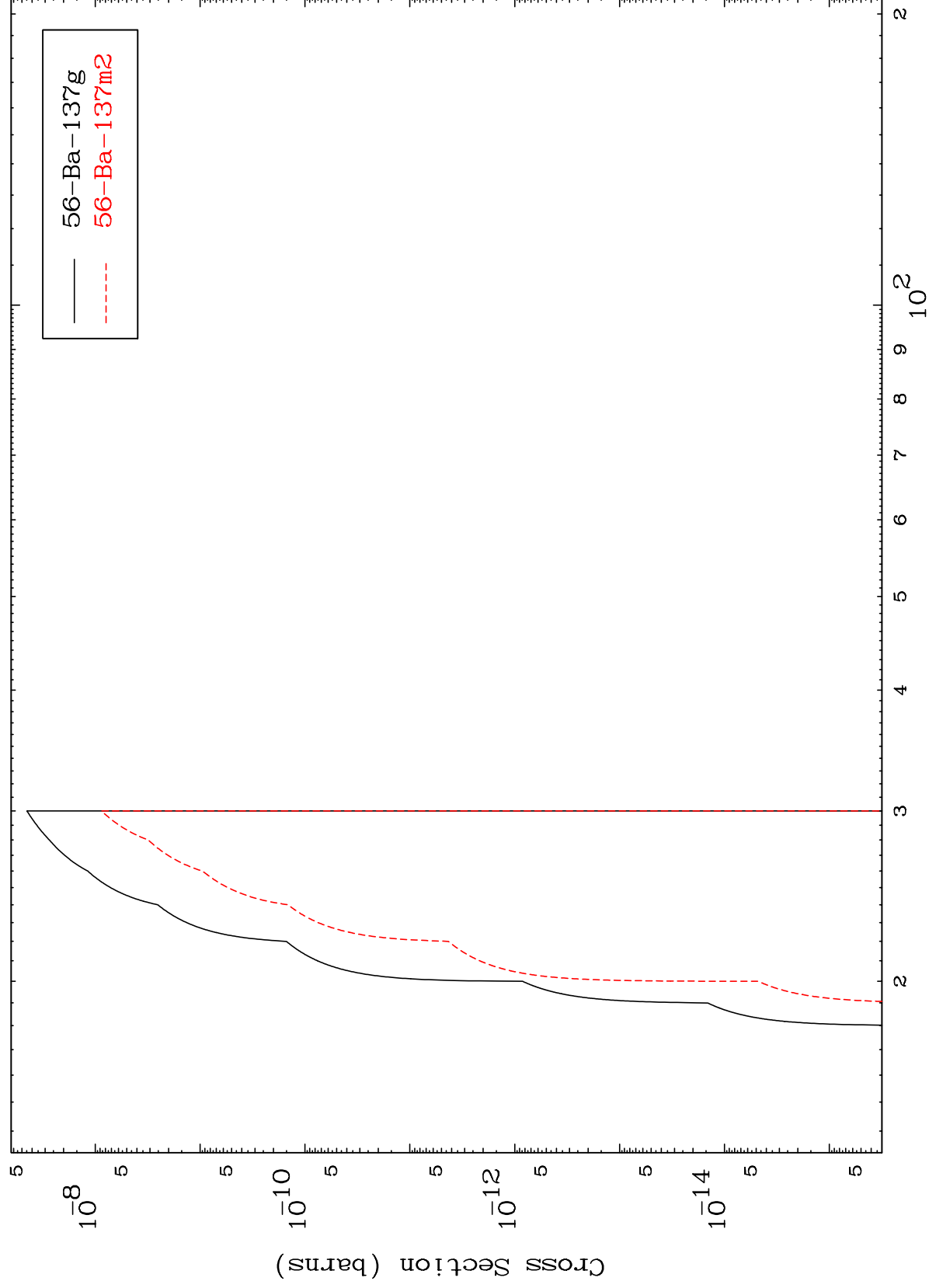


18

Incident Energy (MeV)

58-Ce-139

(n,2p)
Radionuclide Production Cross Section

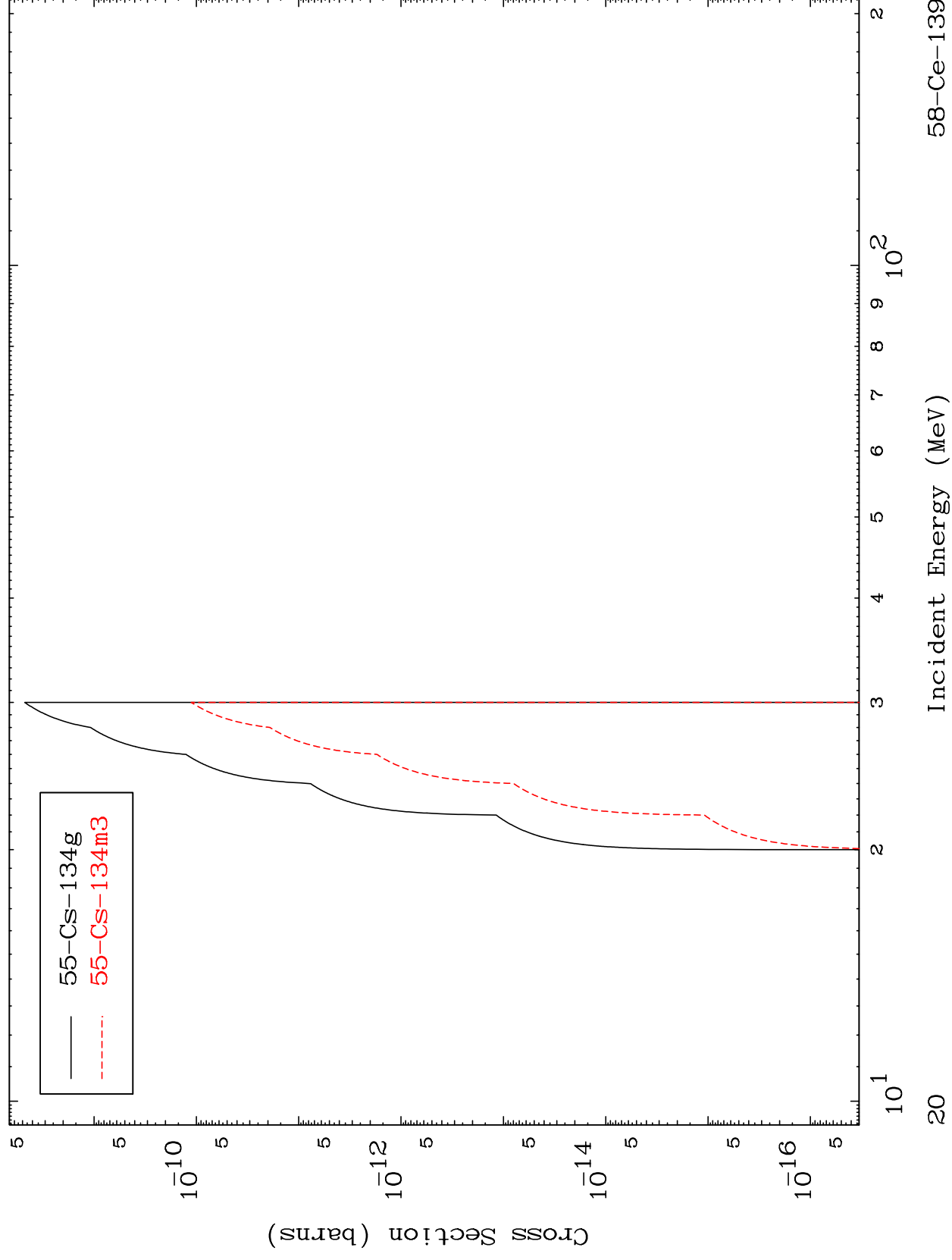


MAT 5834

58-Ce-139

$$(n, p) \propto$$

Radionuclide Production Cross Section

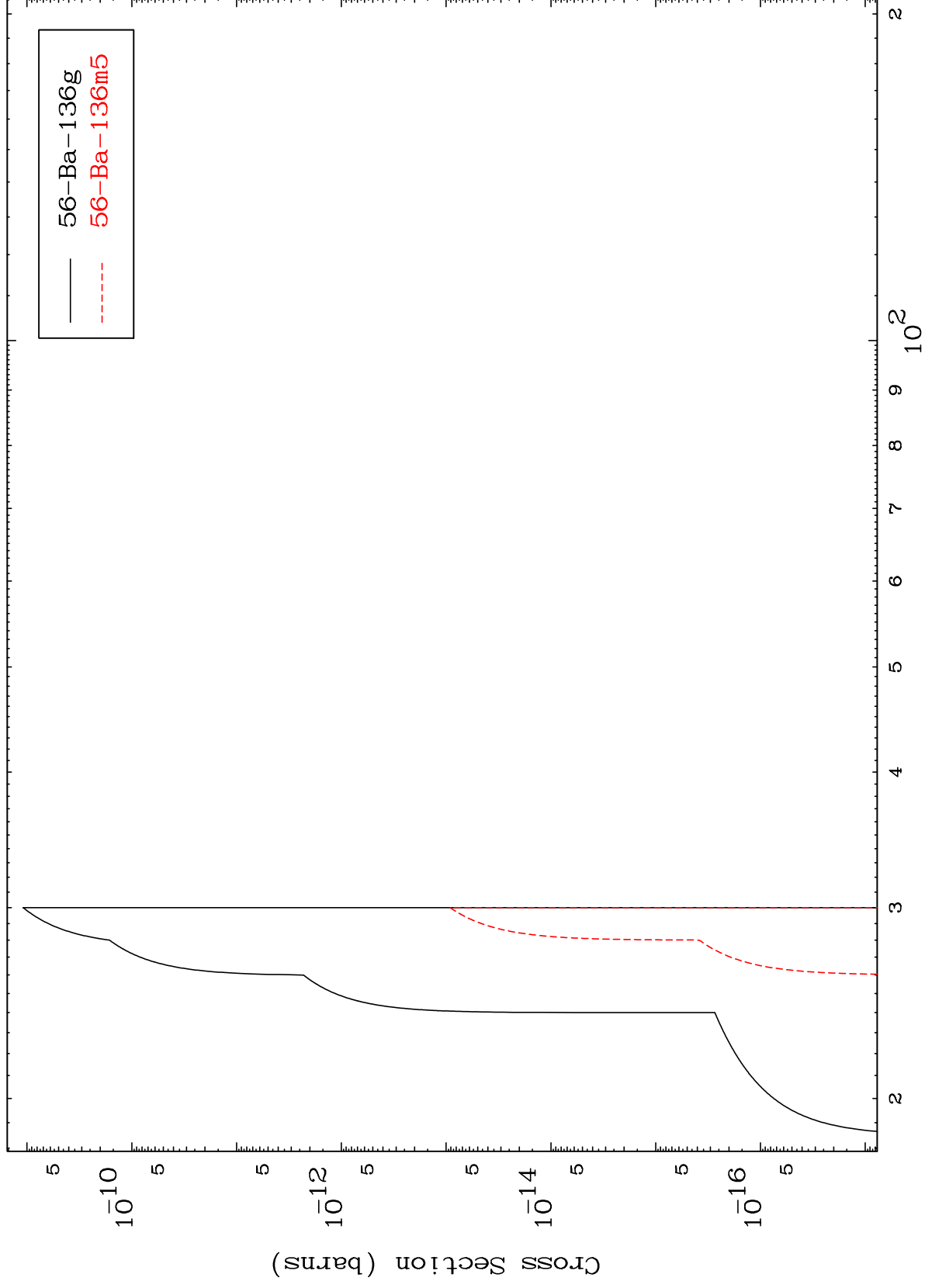


MAT 5834

(n,p) d

58-Ce-139

Radionuclide Production Cross Section



21

Incident Energy (MeV)

58-Ce-139