

Program EVALPLOT
(Version 2021-1)

by

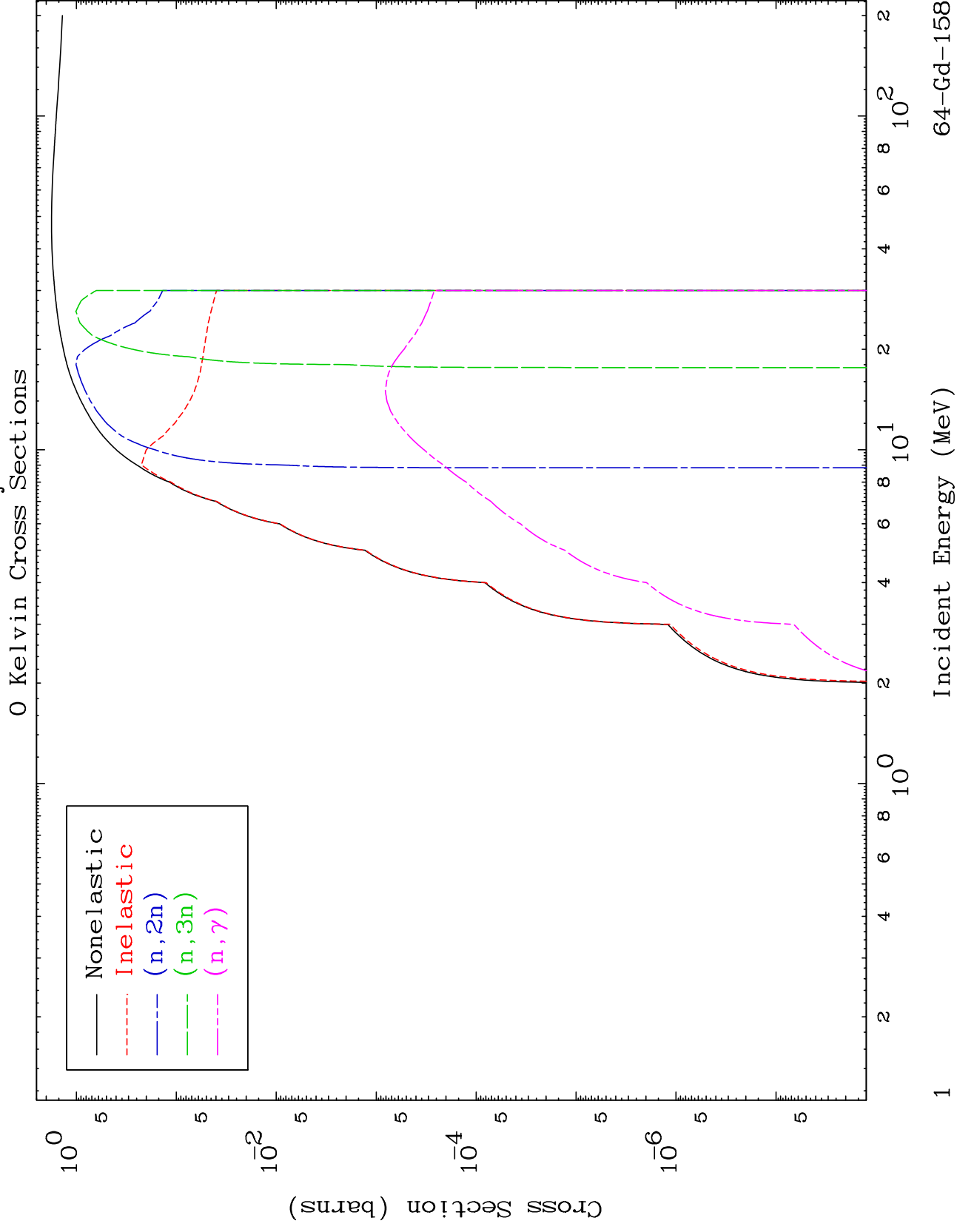
Dermott E. Cullen
(Present Contact Information)

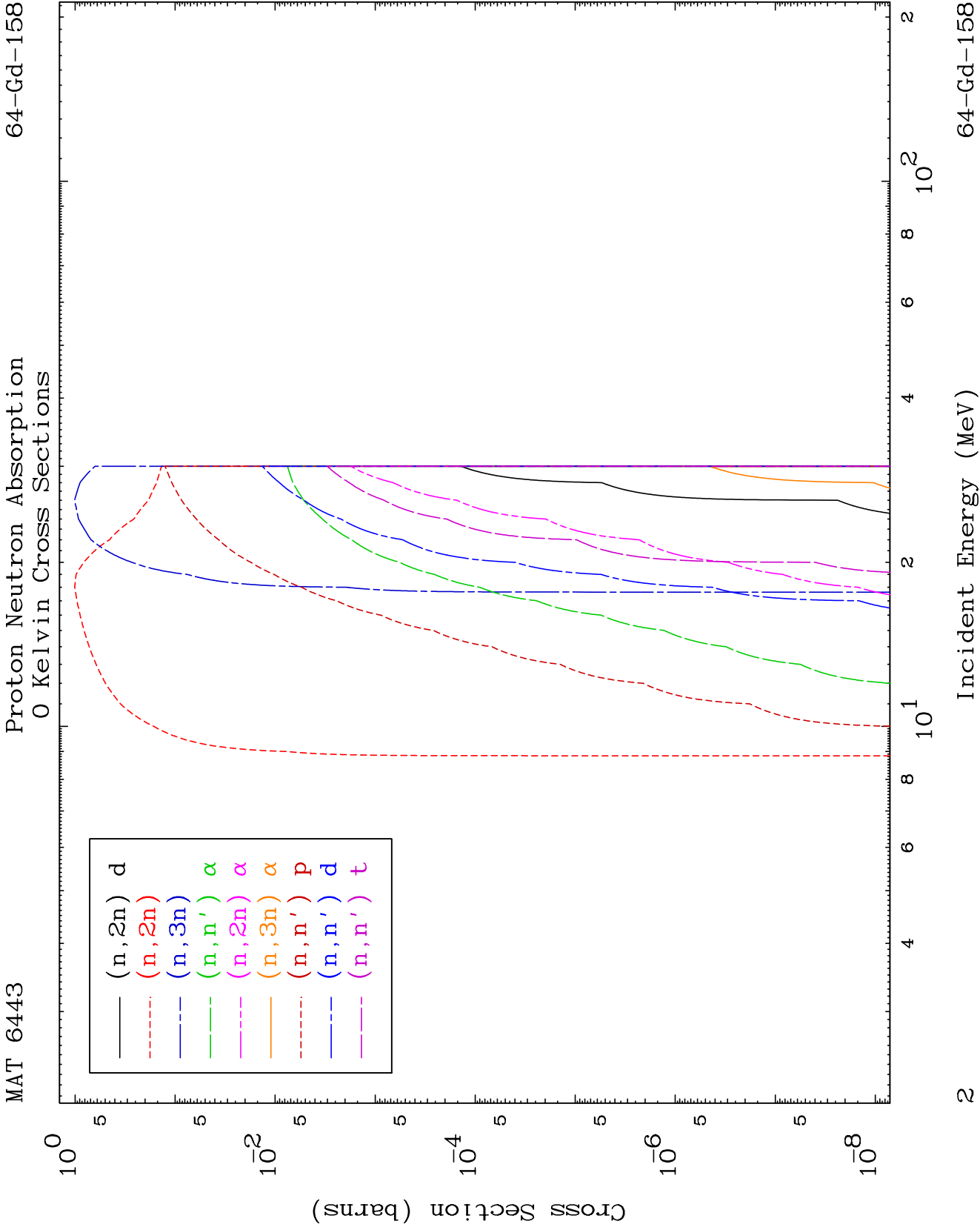
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
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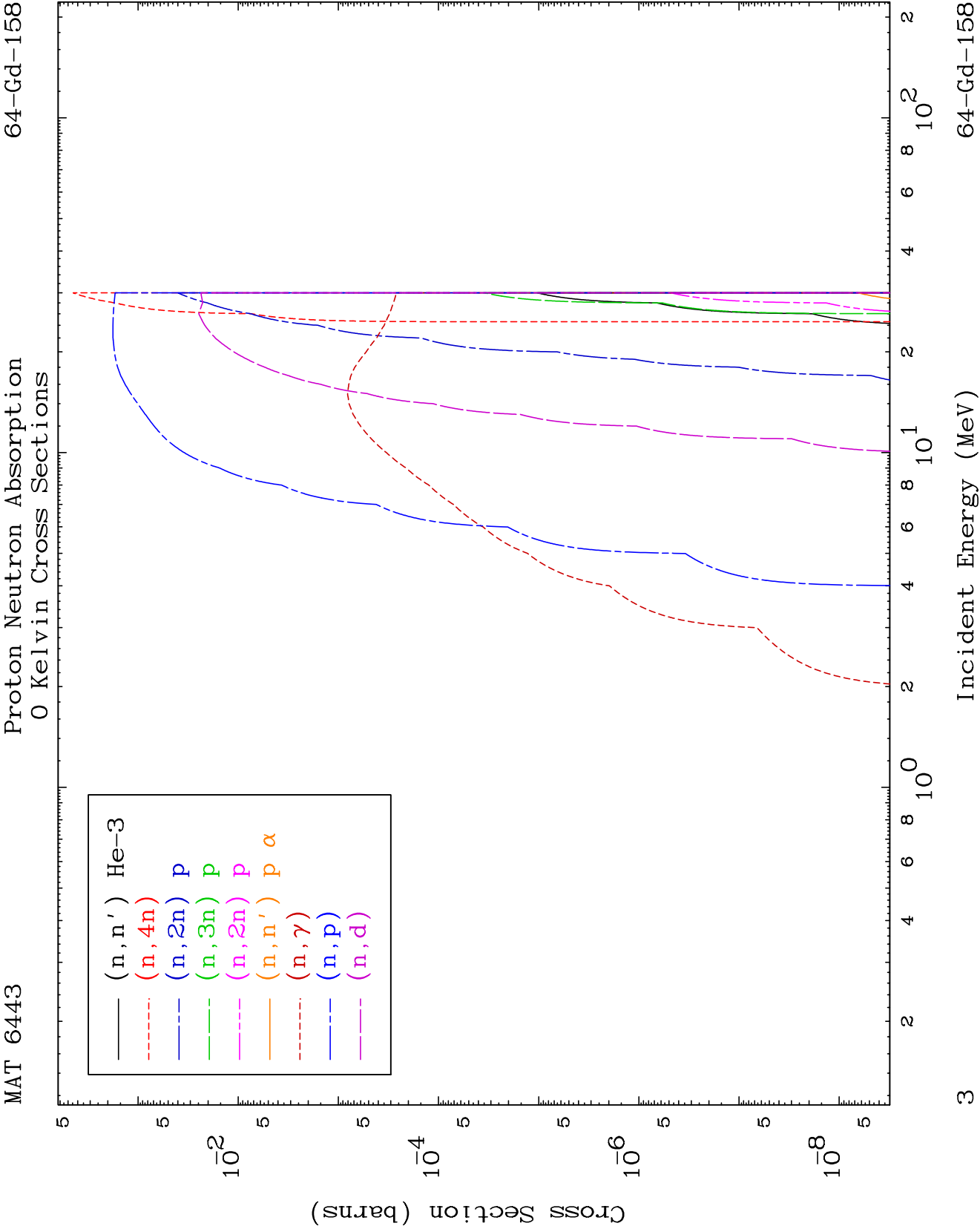
Tele: 925-443-1911

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



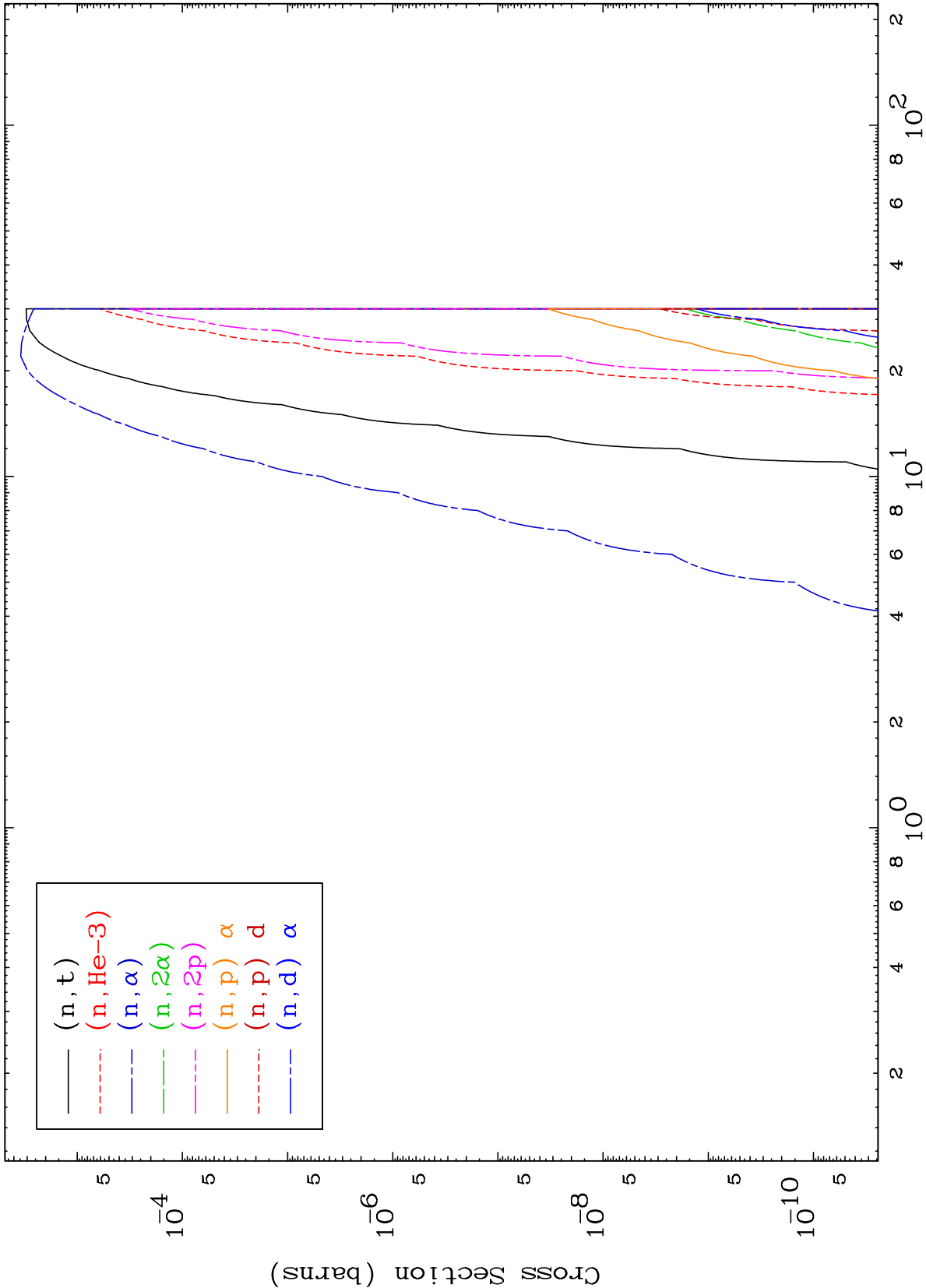


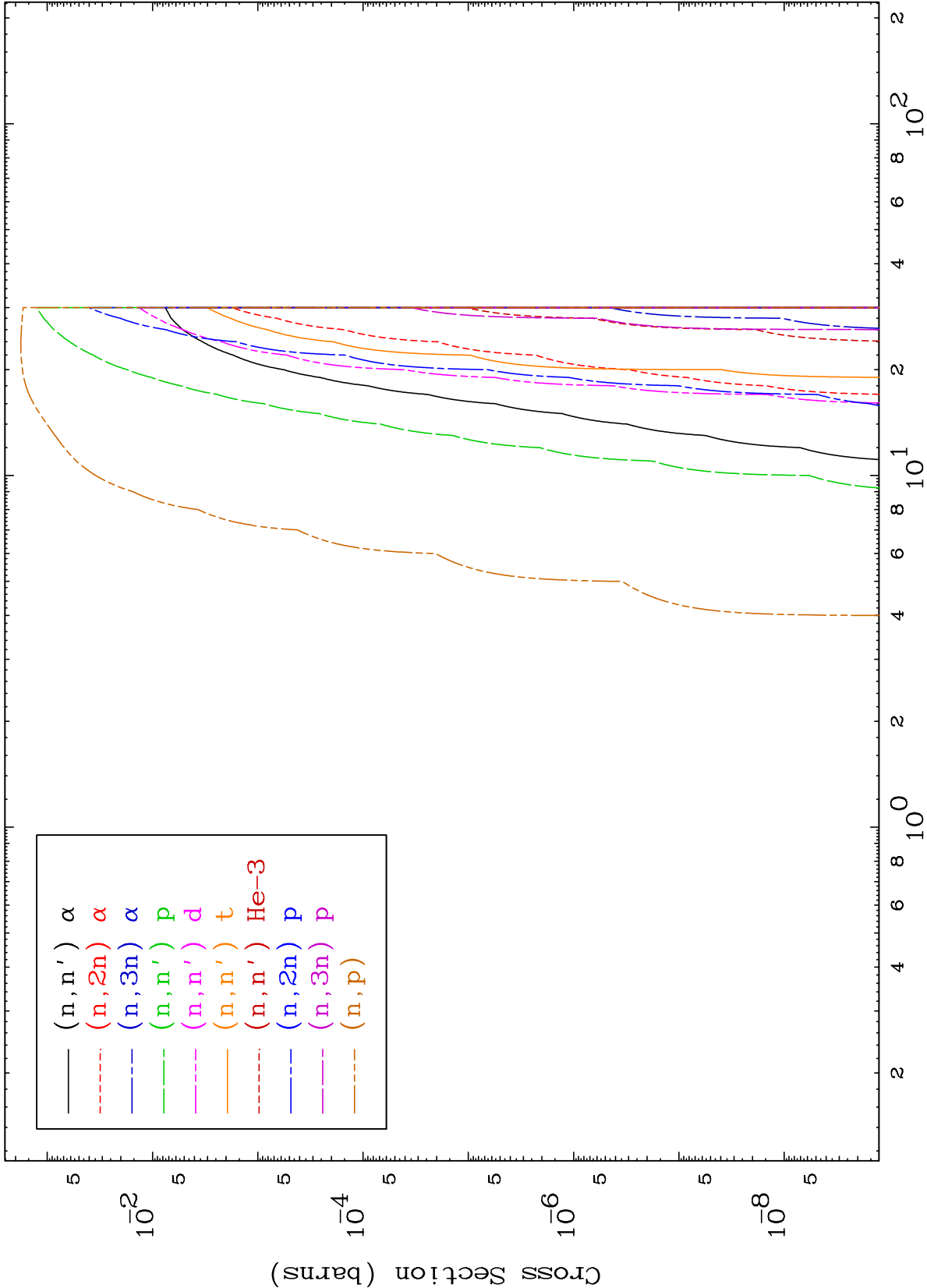


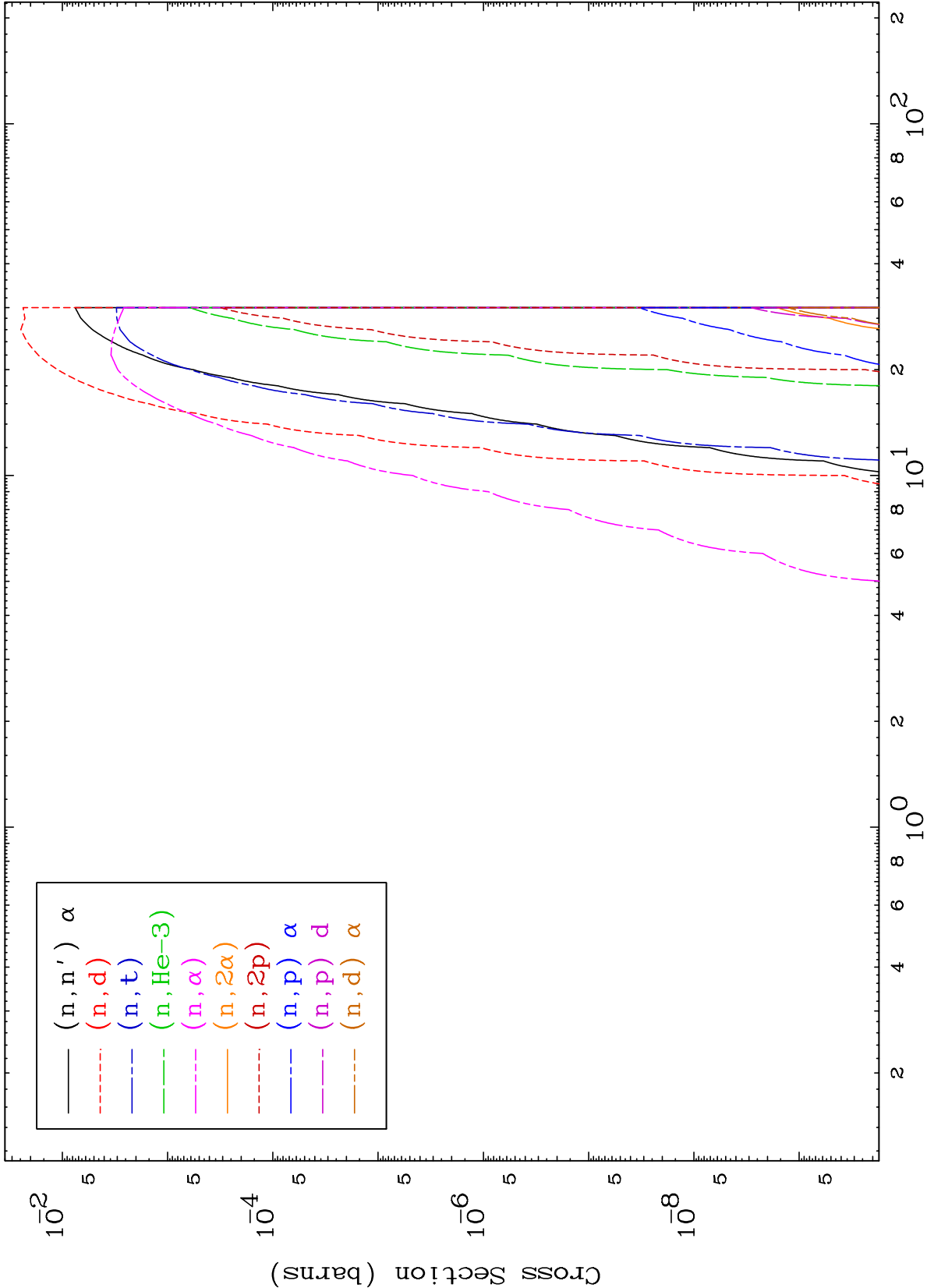
MAT 6443

Proton Neutron Absorption
0 Kelvin Cross Sections

64-Gd-158



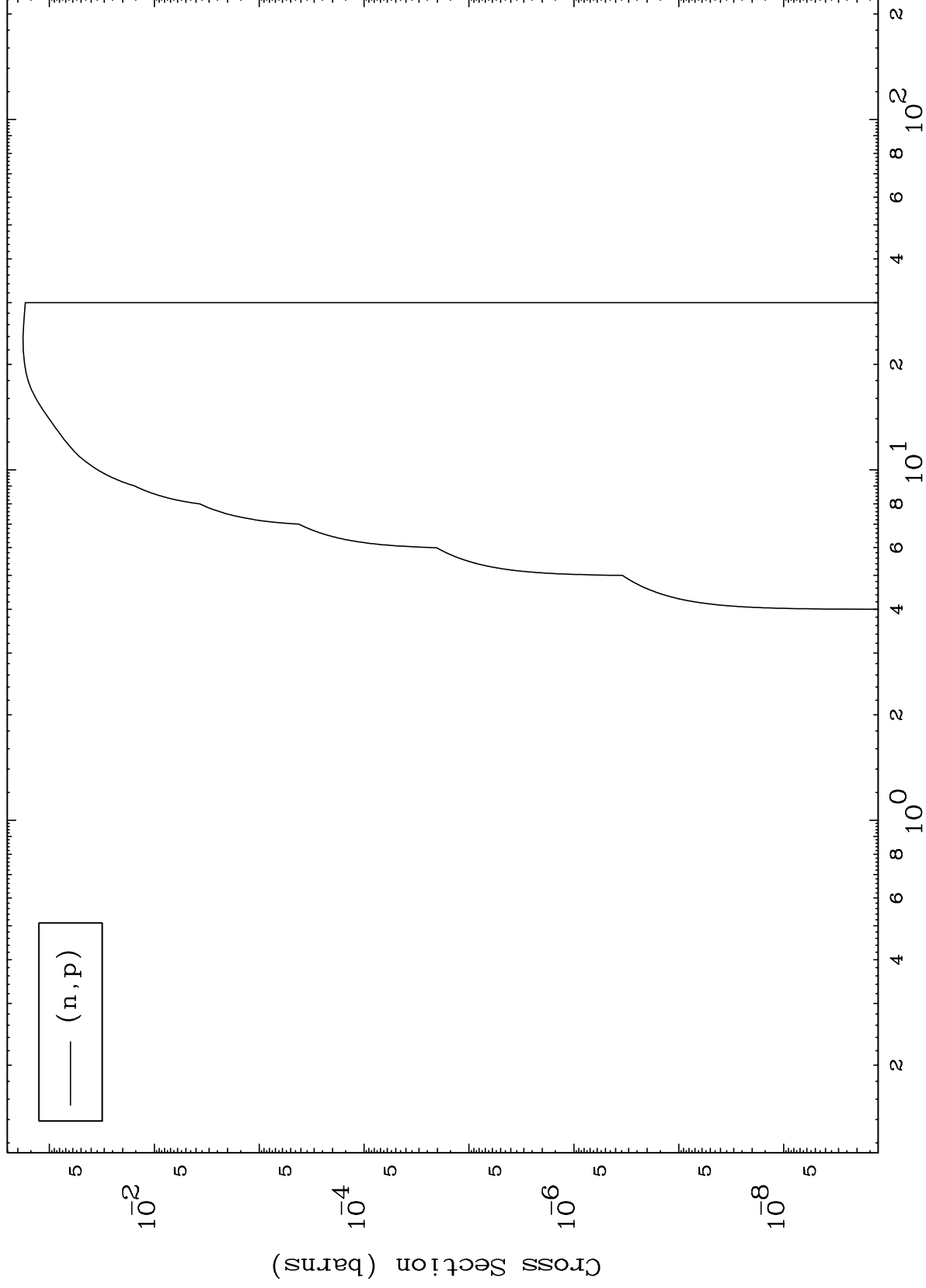




MAT 6443

64-Gd-158

(p,p) Levels
0 Kelvin Cross Sections



7

64-Gd-158

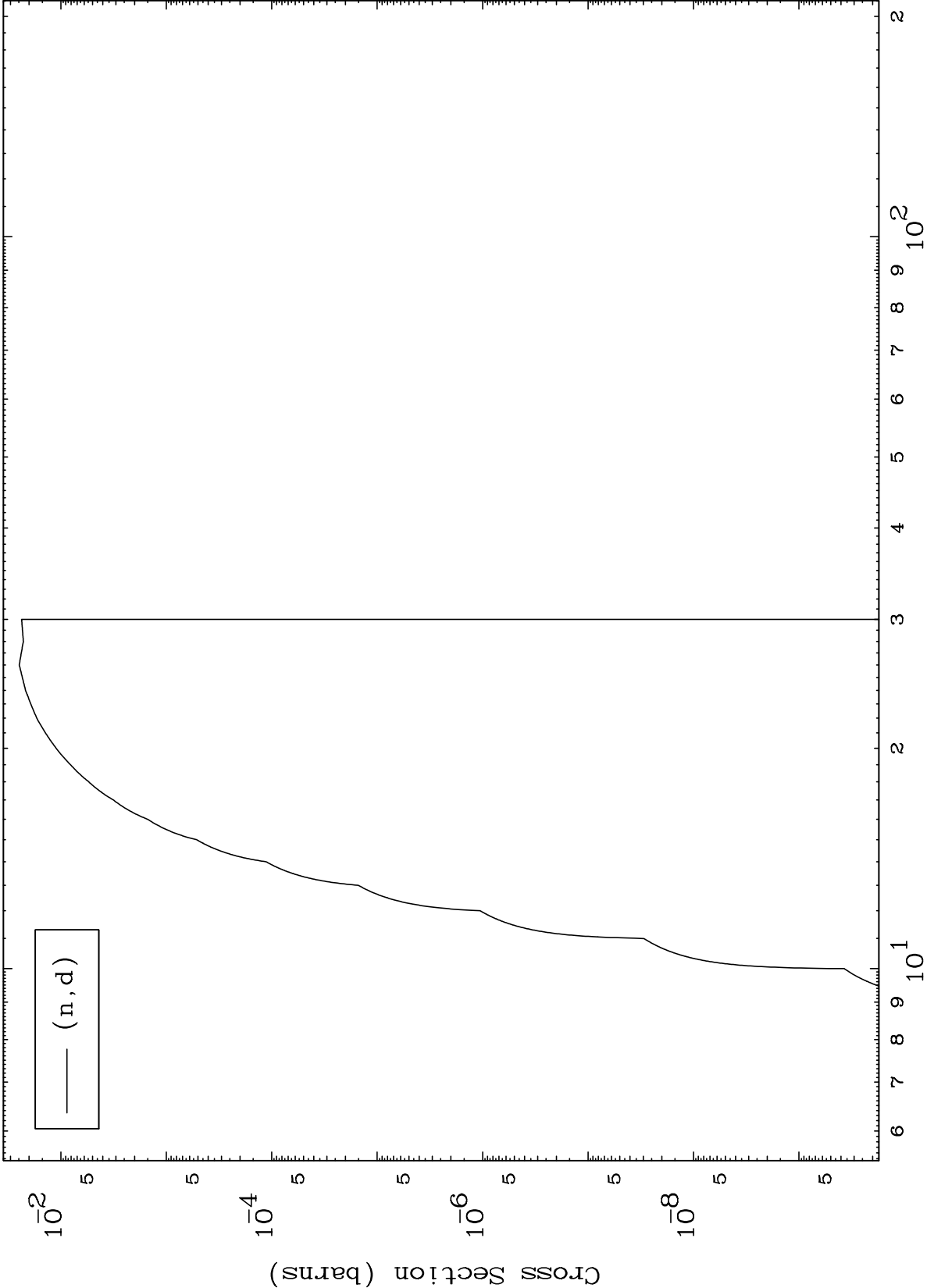
Incident Energy (MeV)

MAT 6443

(p,d) Levels

64-Gd-158

0 Kelvin Cross Sections



Incident Energy (MeV)

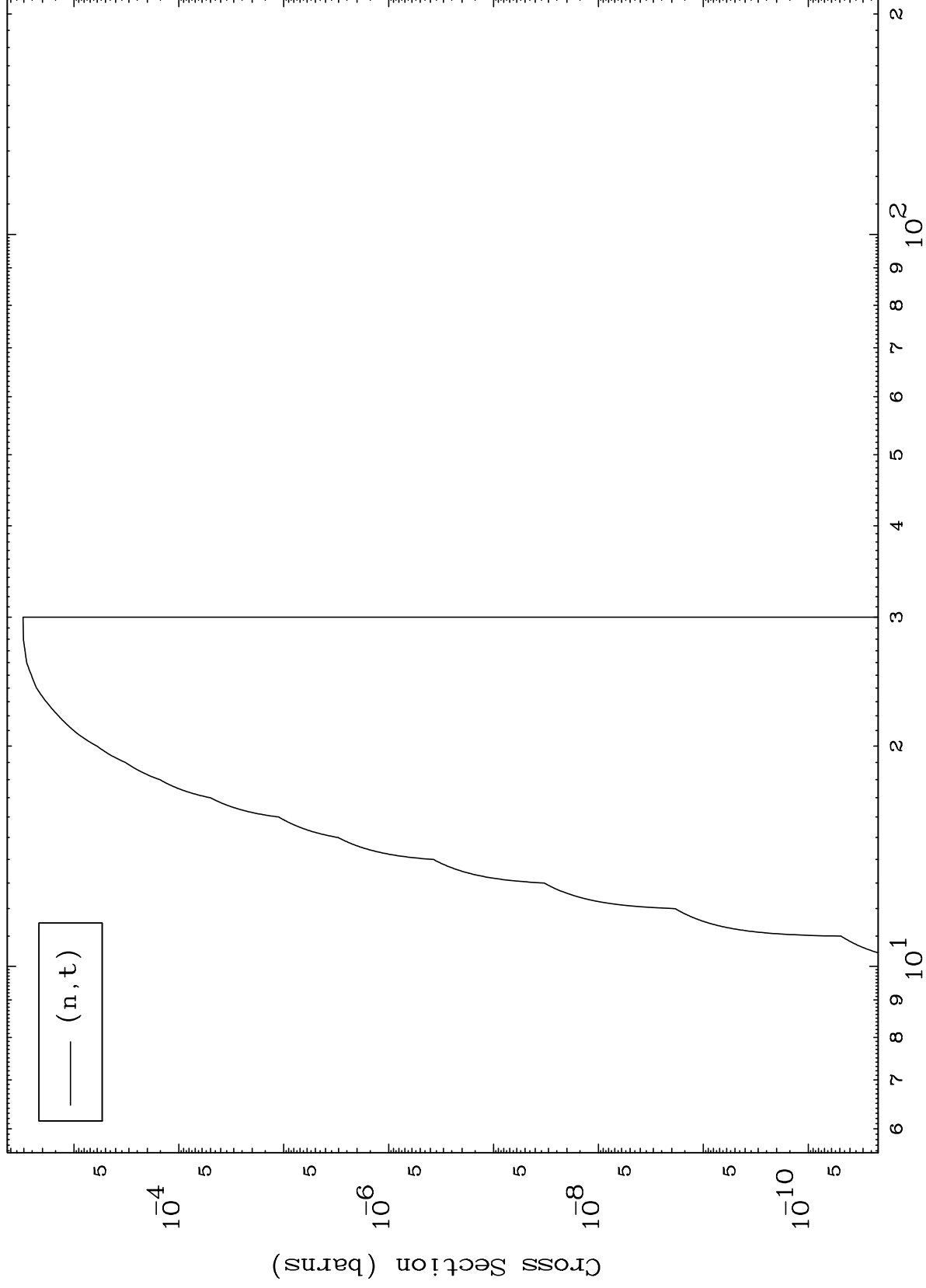
64-Gd-158

8

MAT 6443

64-Gd-158

(p,t) Levels
0 Kelvin Cross Sections



9

Incident Energy (MeV)

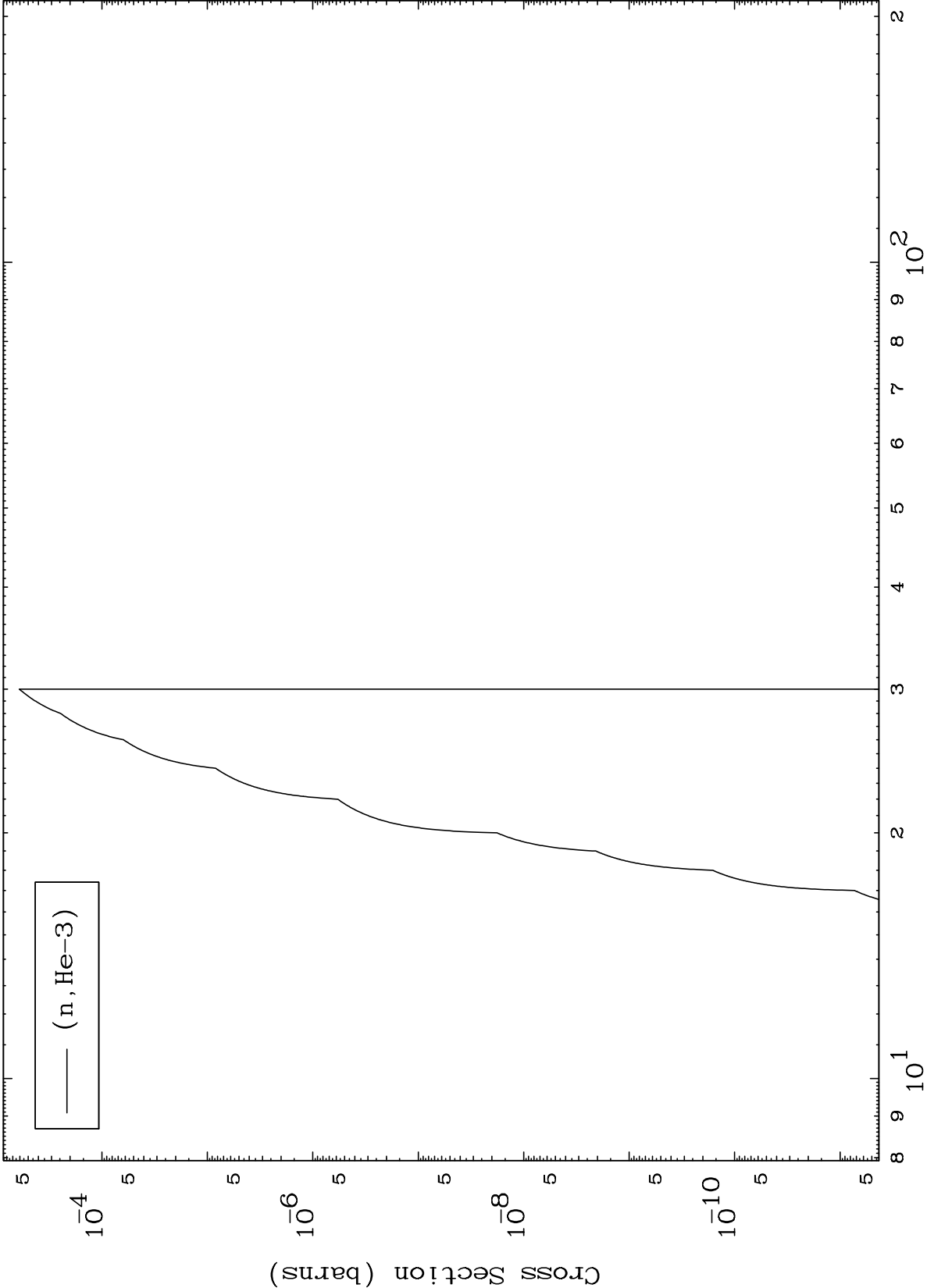
64-Gd-158

MAT 6443

(p,He3) Levels

64-Gd-158

0 Kelvin Cross Sections



— (n, He-3)

Incident Energy (MeV)

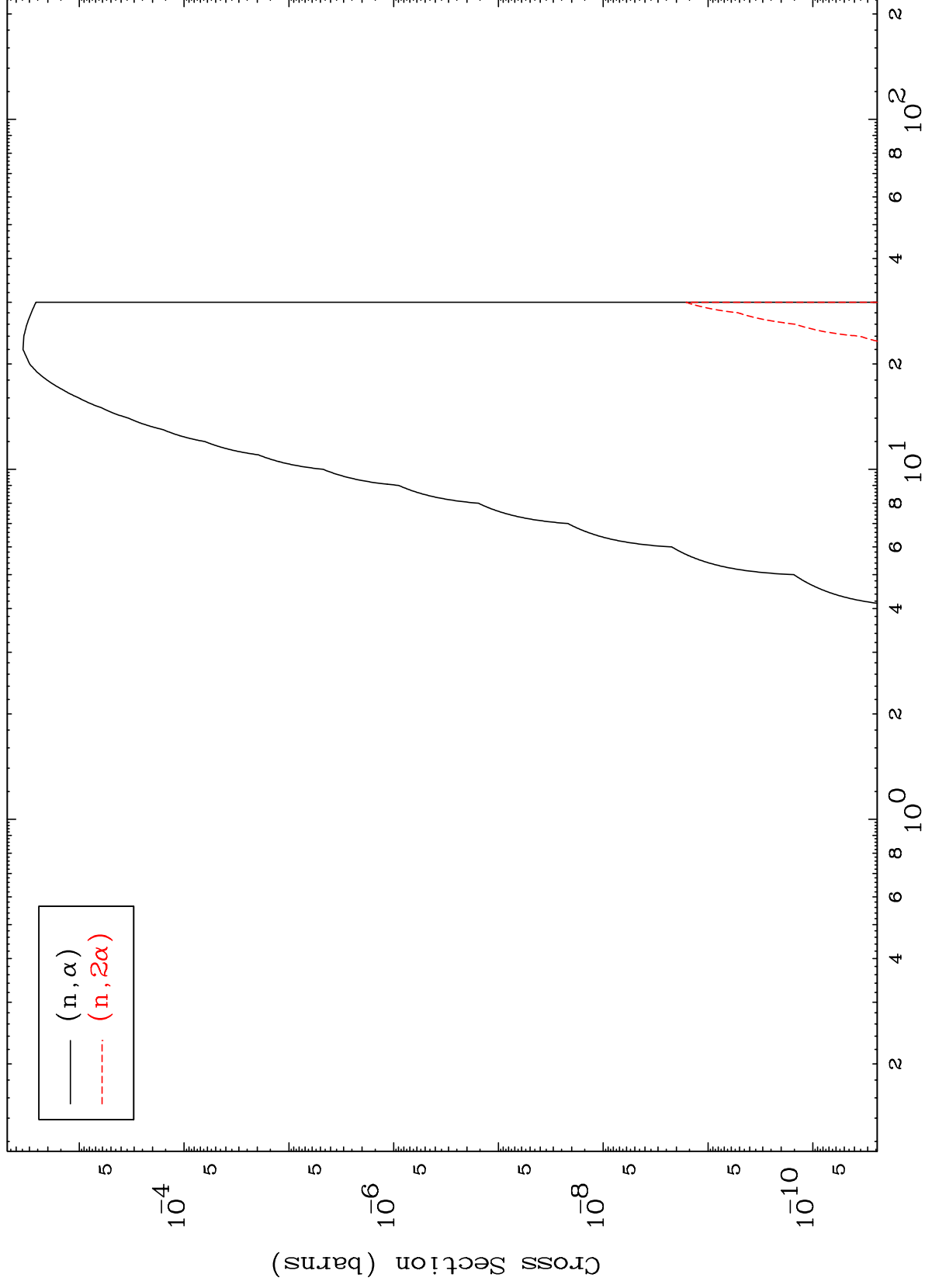
64-Gd-158

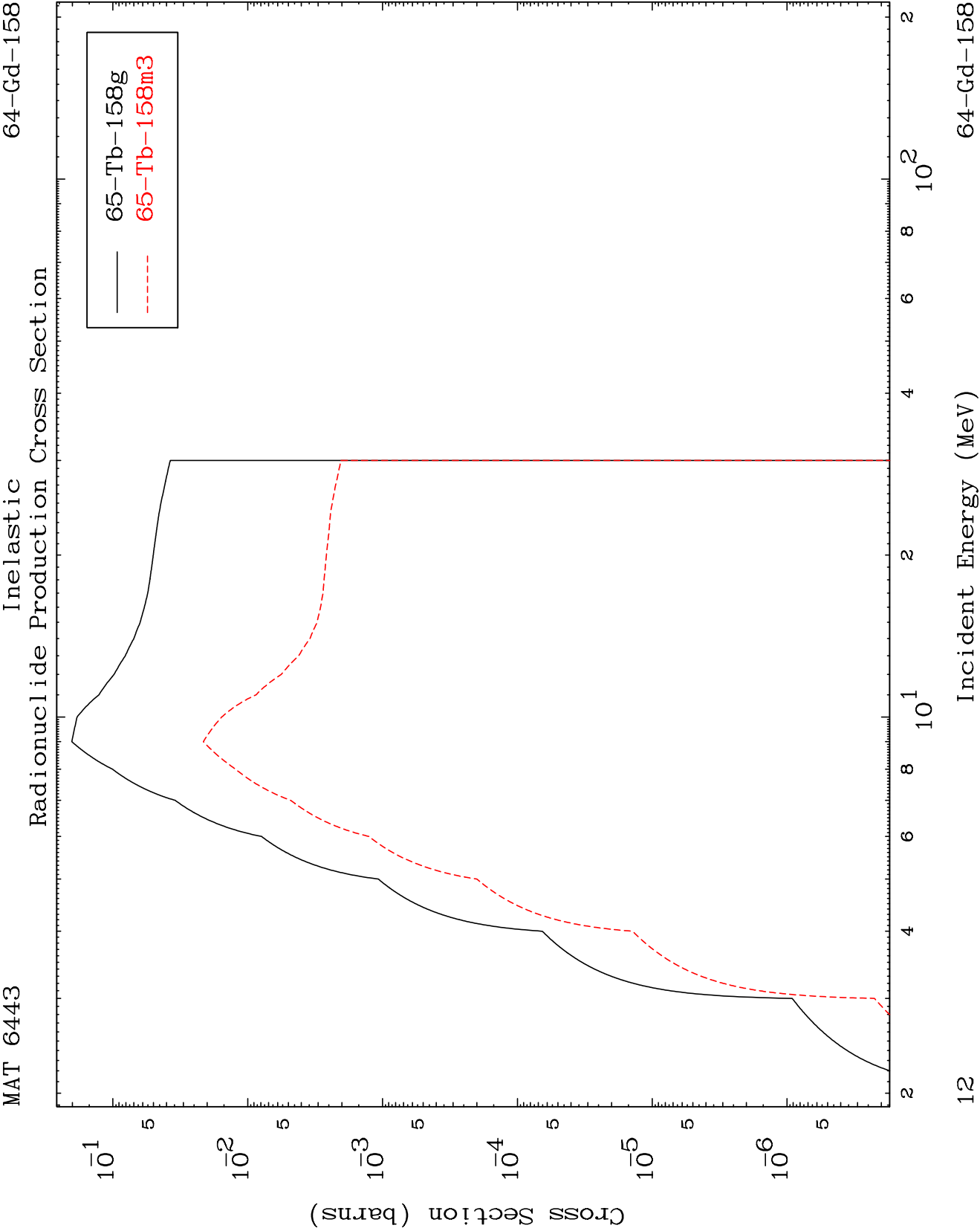
MAT 6443

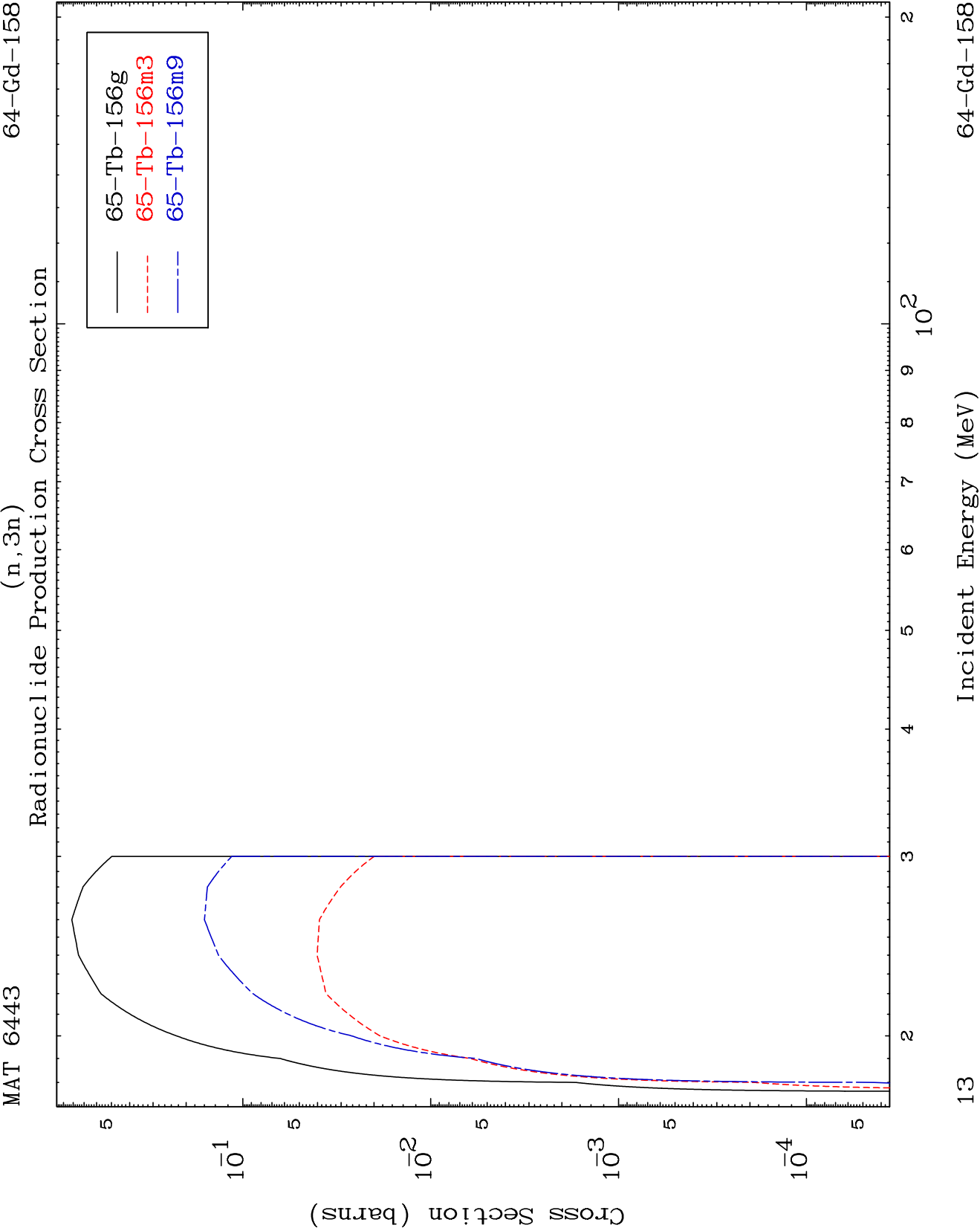
(p, α) Levels

64-Gd-158

0 Kelvin Cross Sections





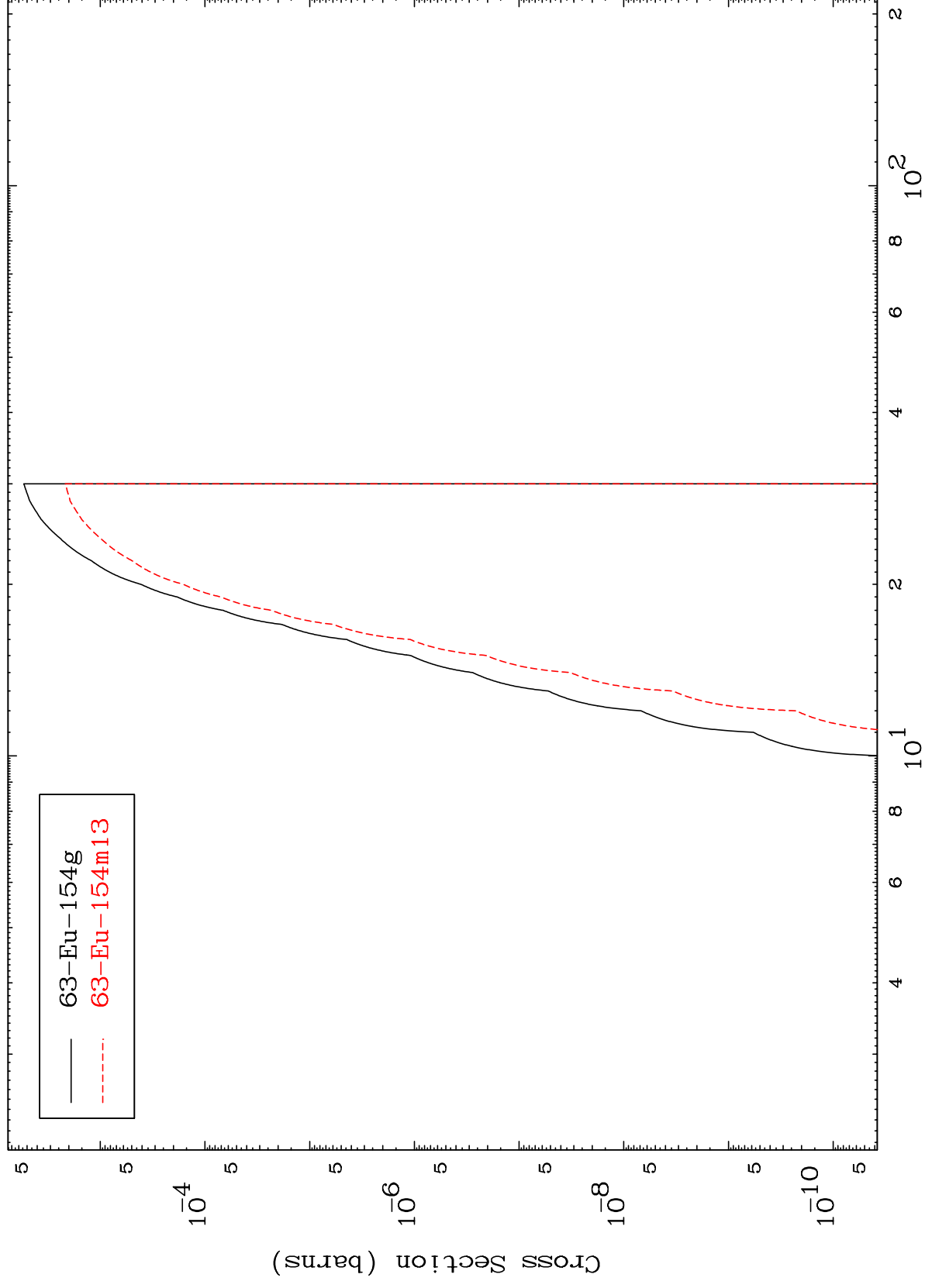


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64-Gd-158

$$(n, n') \propto$$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

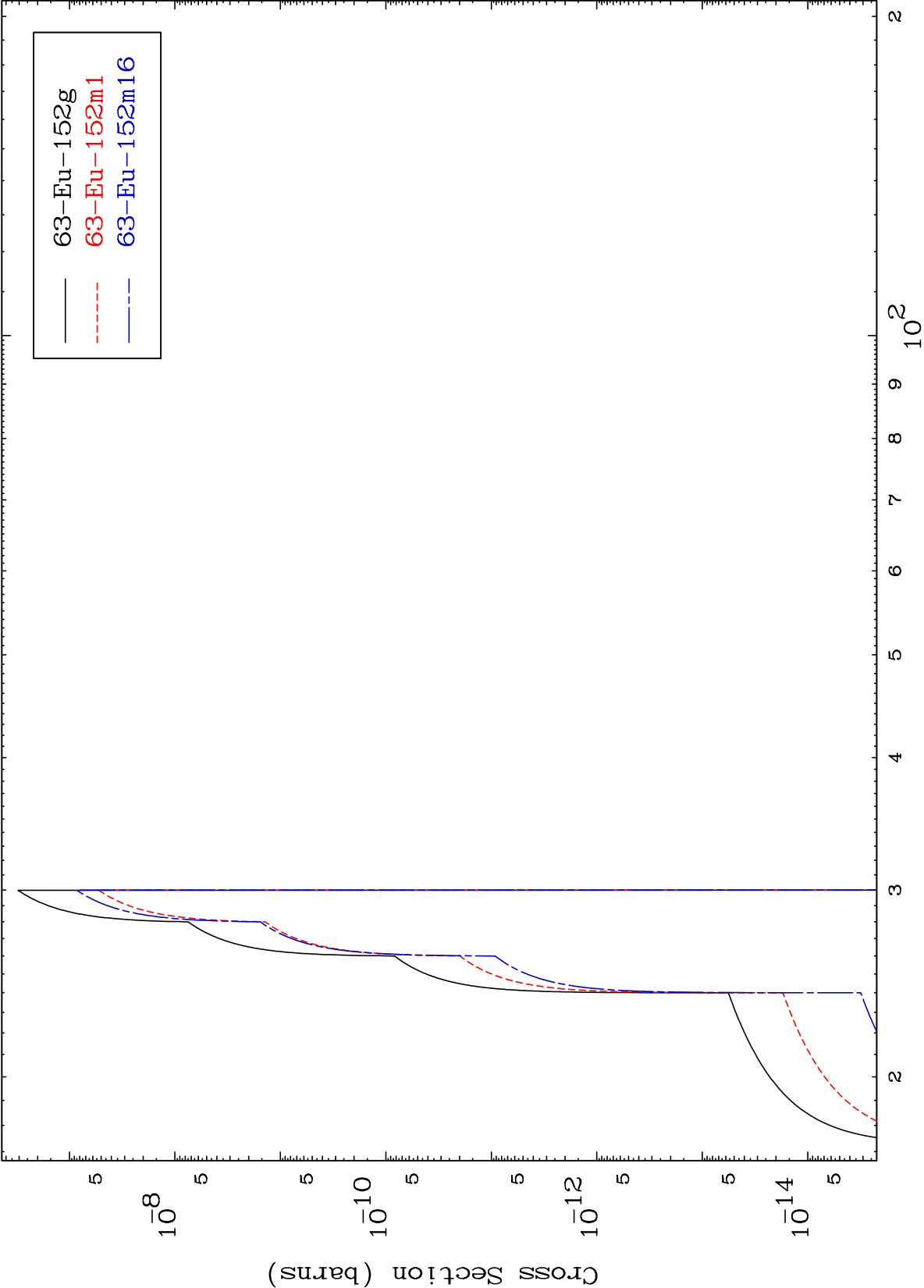
64-Gd-158

MAT 6443

$(n,3n) \alpha$

64-Gd-158

Radionuclide Production Cross Section



15

Incident Energy (MeV)

64-Gd-158