

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

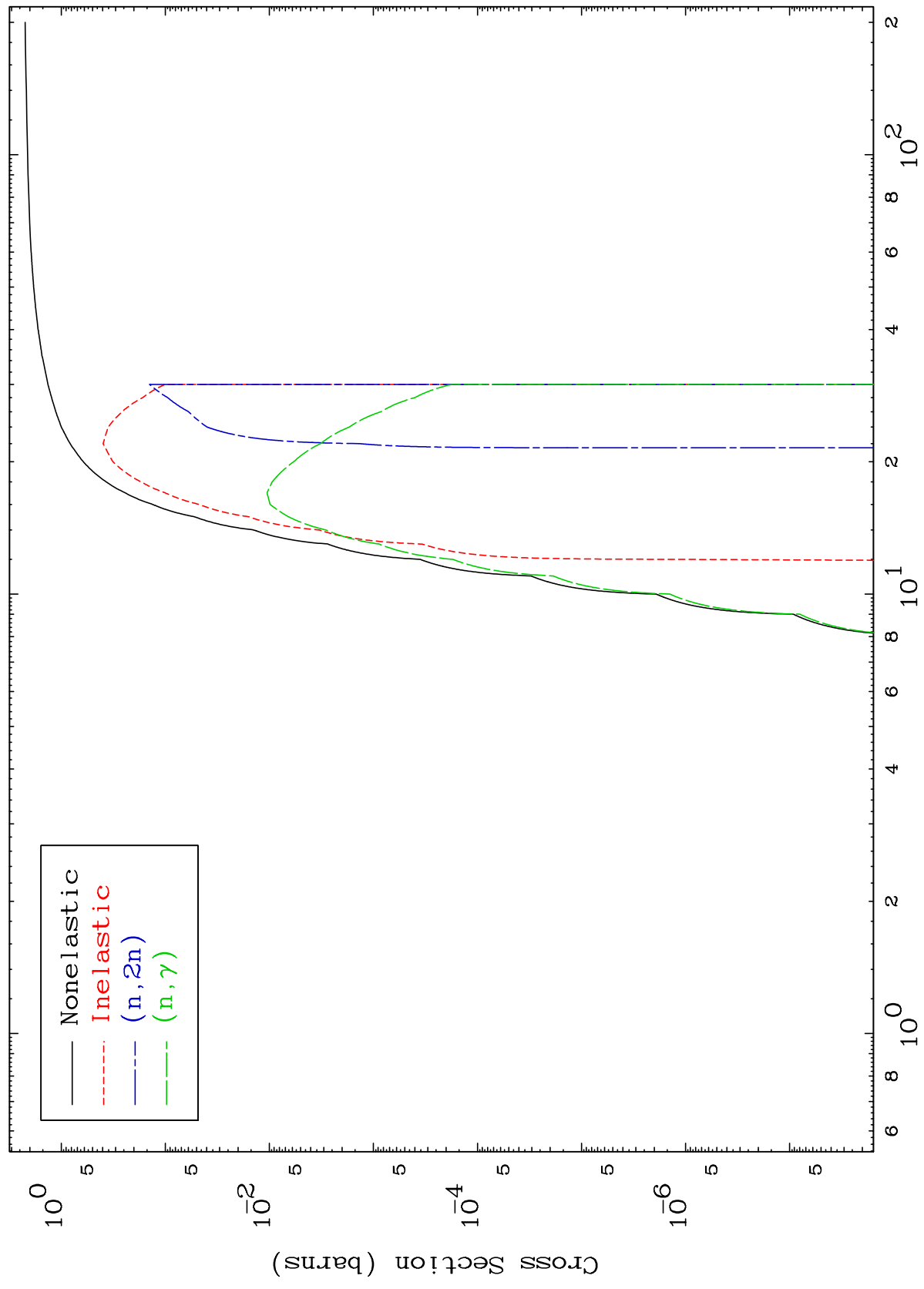
Press Mouse Button to Start

MAT 5496

0 Kelvin

α Major

55-Cs-123m



1

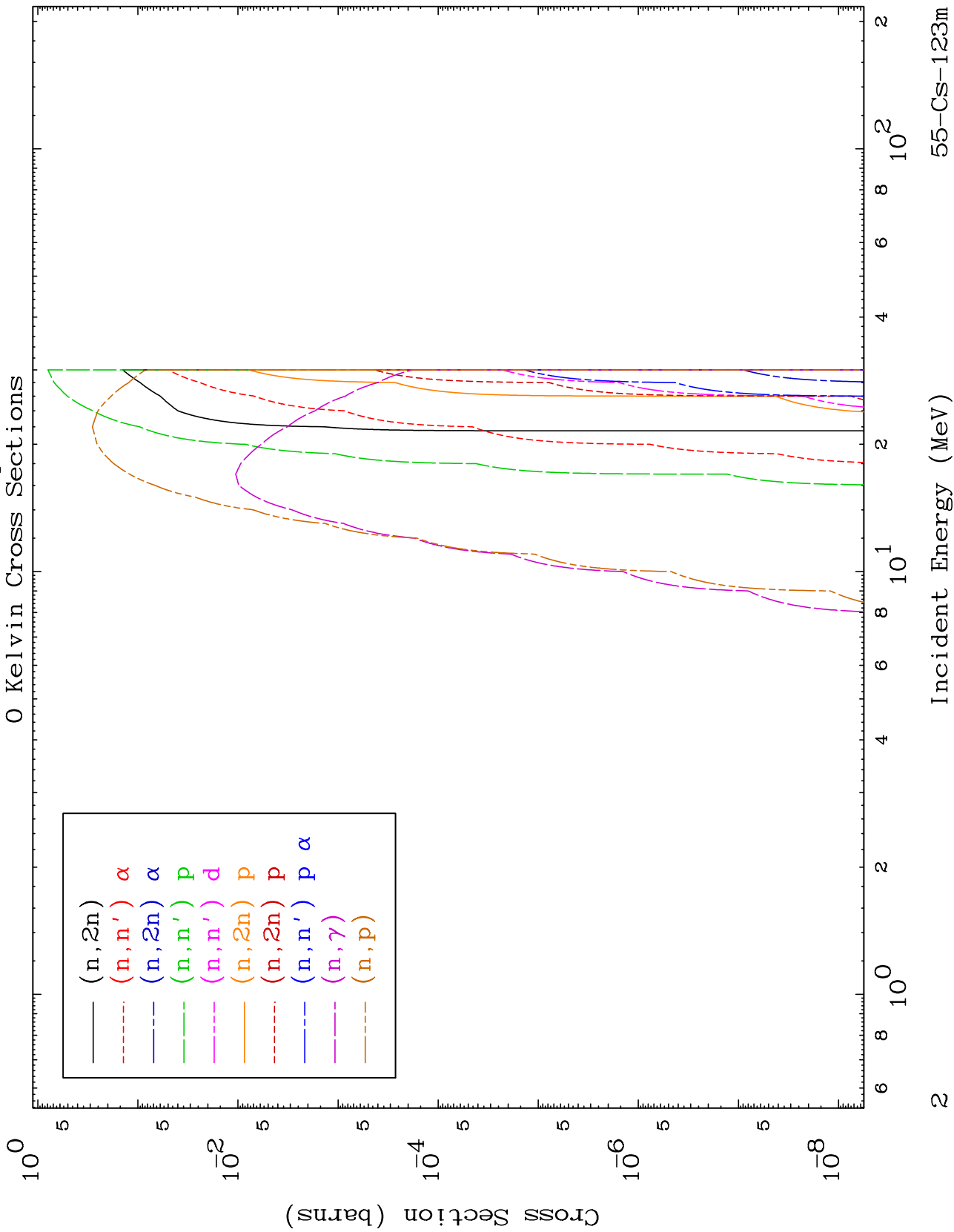
Incident Energy (MeV)

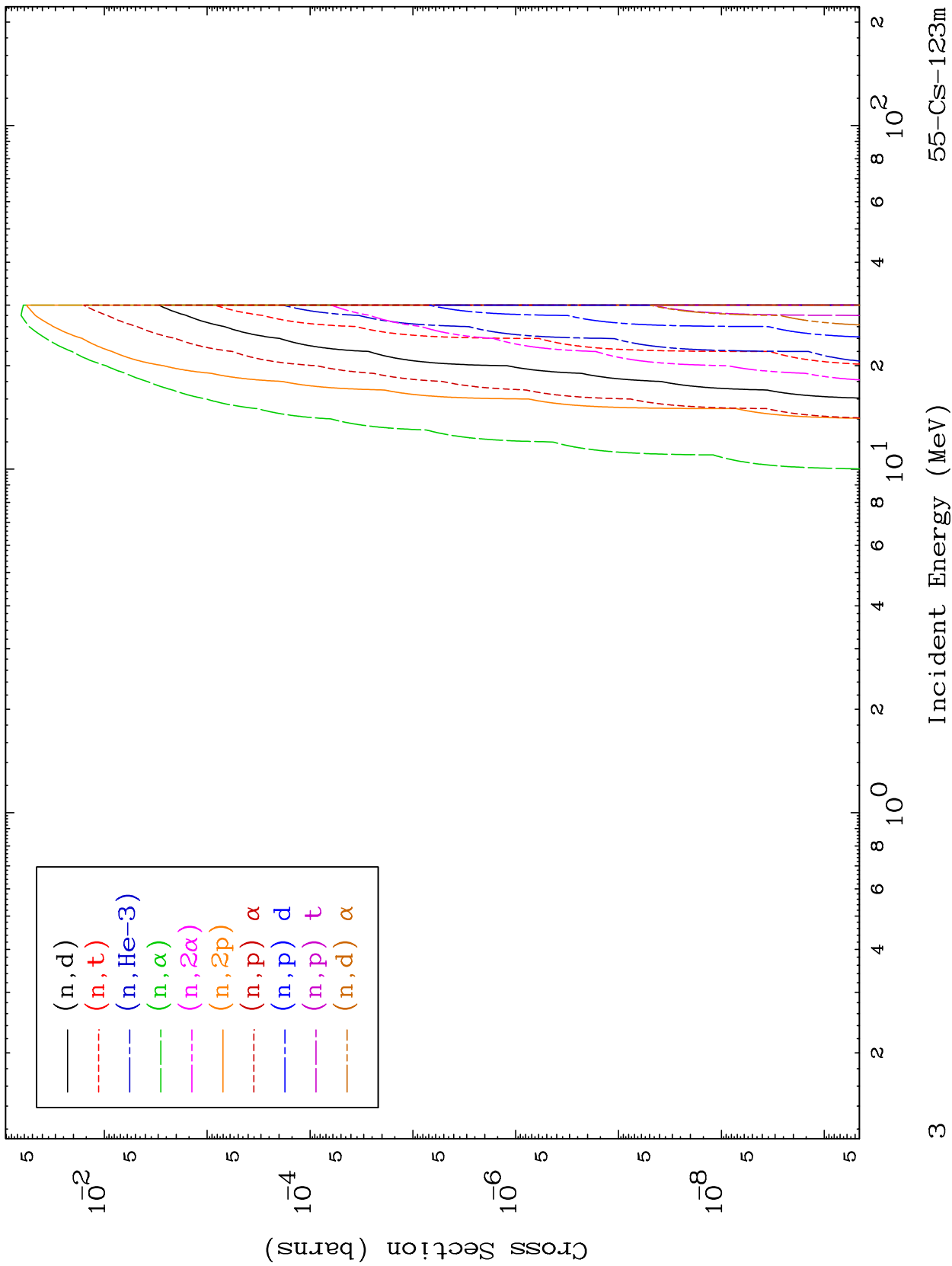
55-Cs-123m

MAT 5496

0 Kelvin Cross Sections

55-Cs-123m

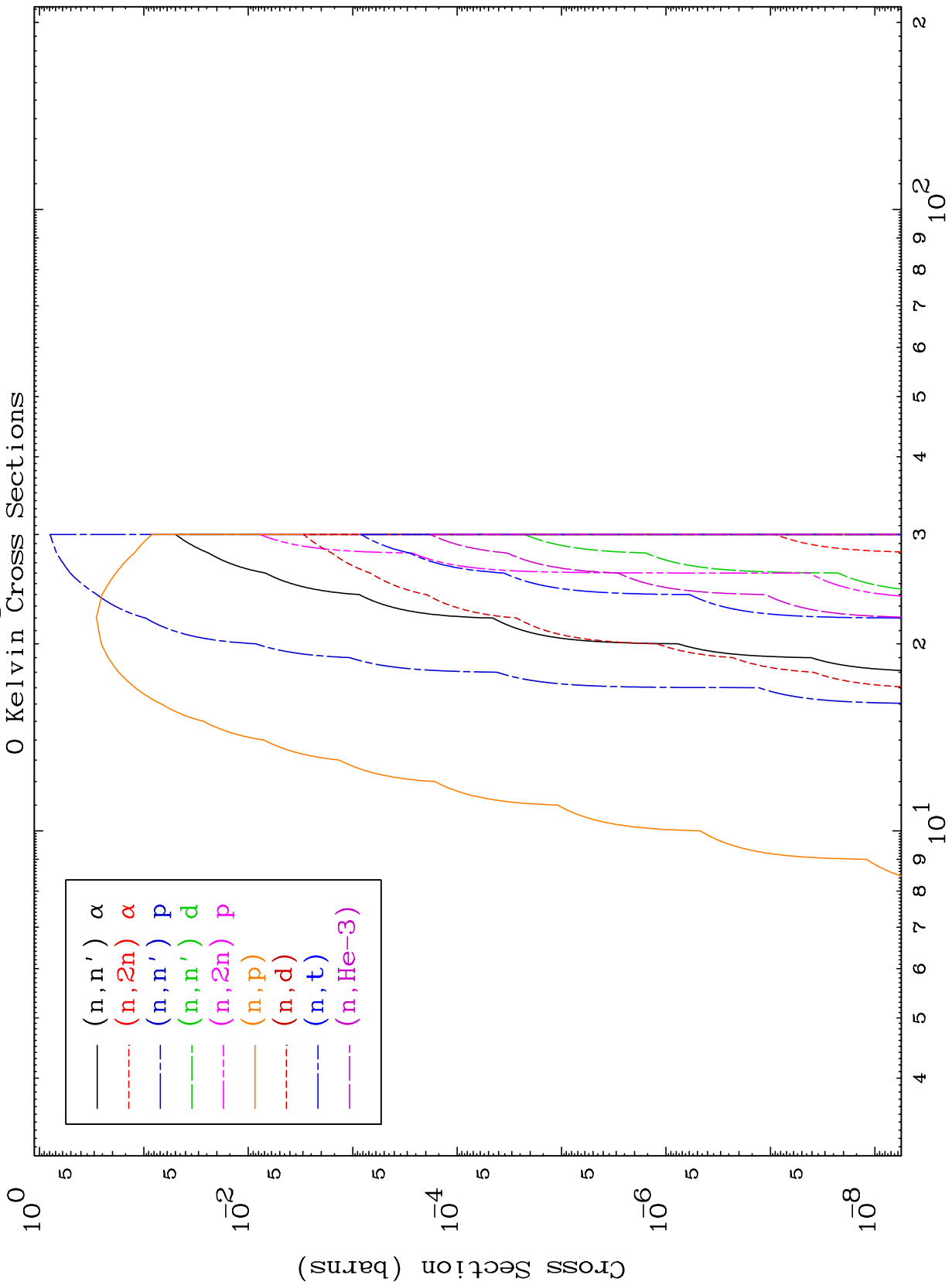


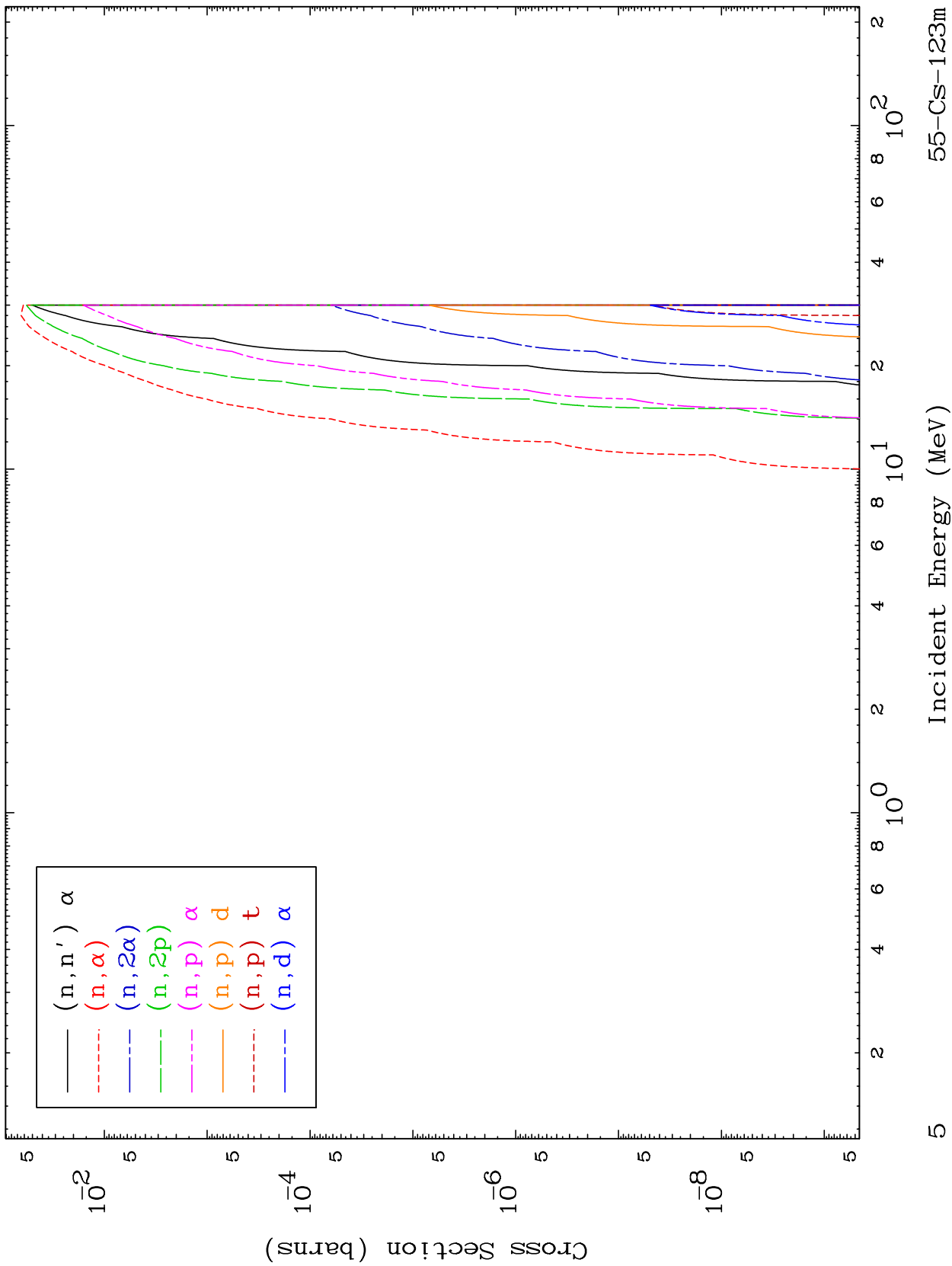


MAT 5496

α Charged Particle
0 Kelvin Cross Sections

55-Cs-123m

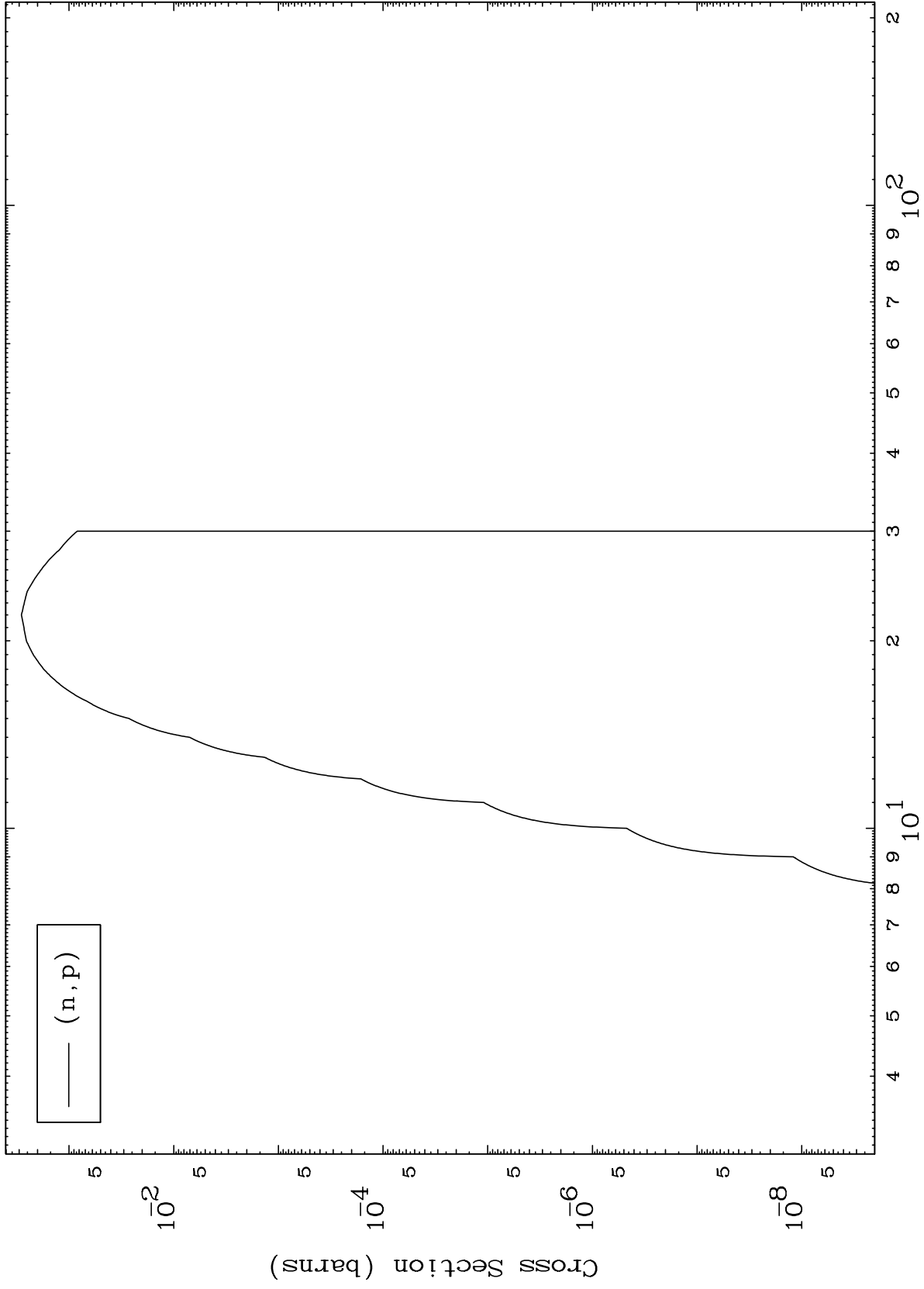




MAT 5496

(α, p) Levels
0 Kelvin Cross Sections

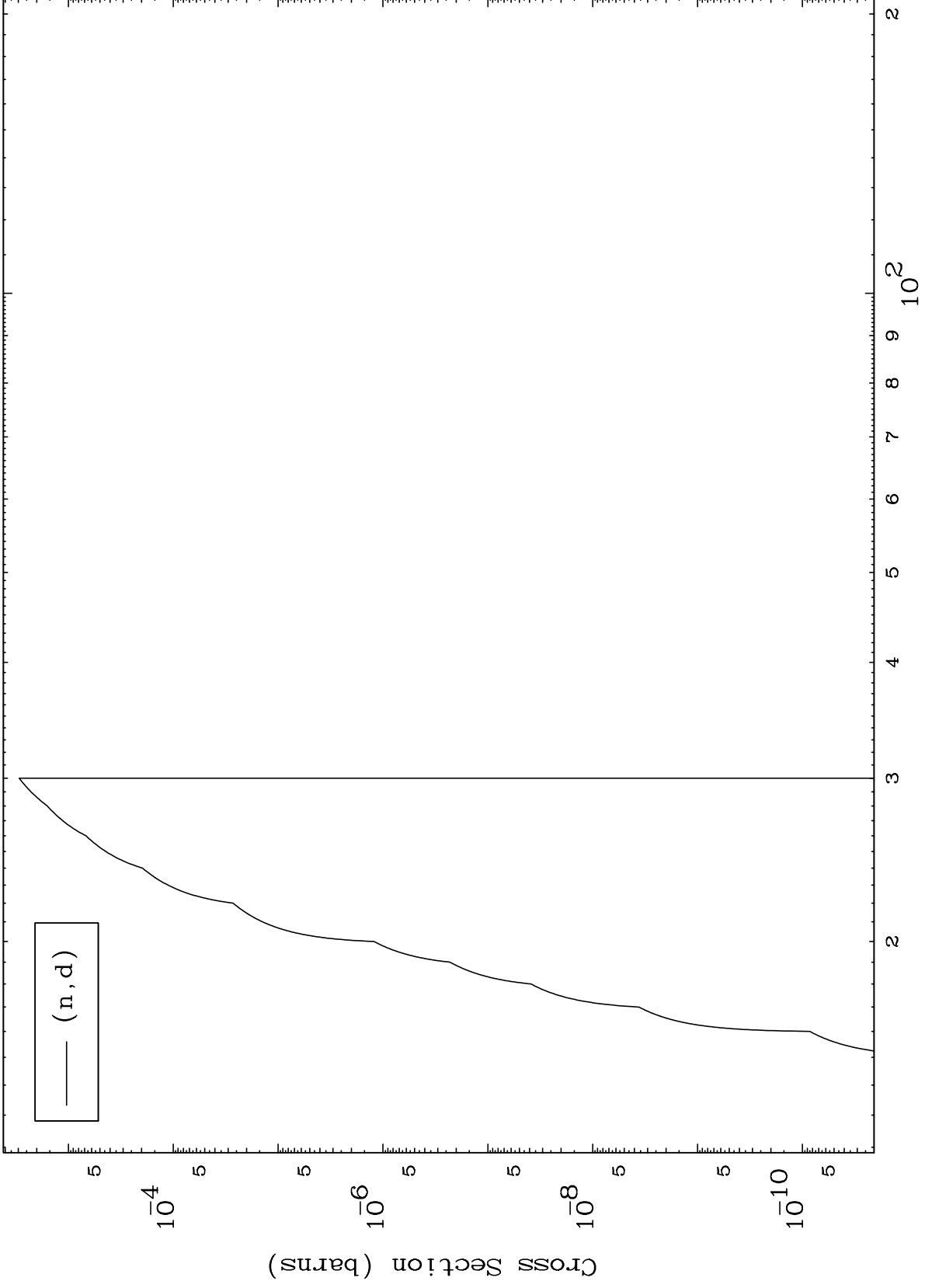
55-Cs-123m



MAT 5496

(α, d) Levels
0 Kelvin Cross Sections

55-Cs-123m



7

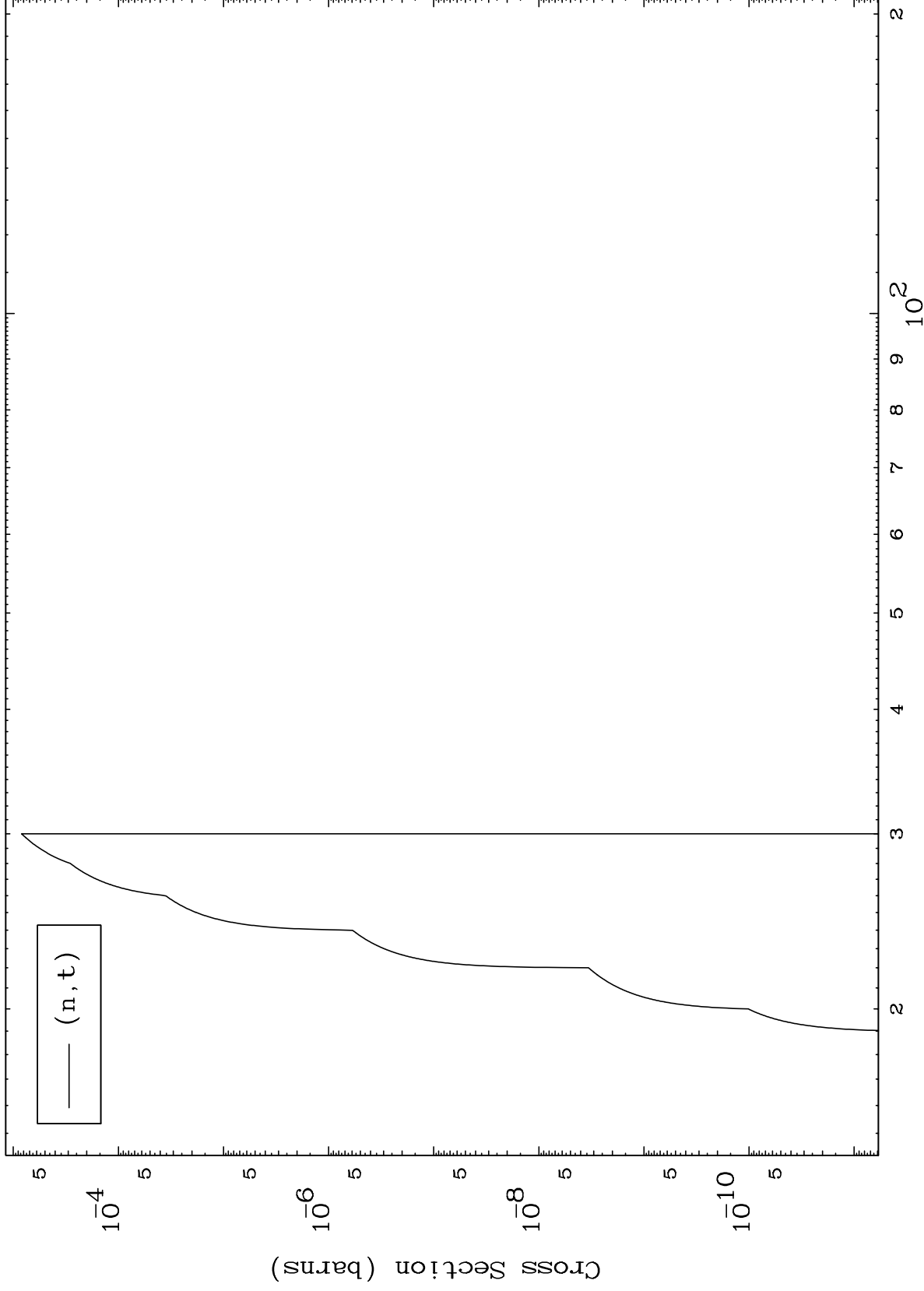
Incident Energy (MeV)

55-Cs-123m

MAT 5496

(α, t) Levels
0 Kelvin Cross Sections

55-Cs-123m



8

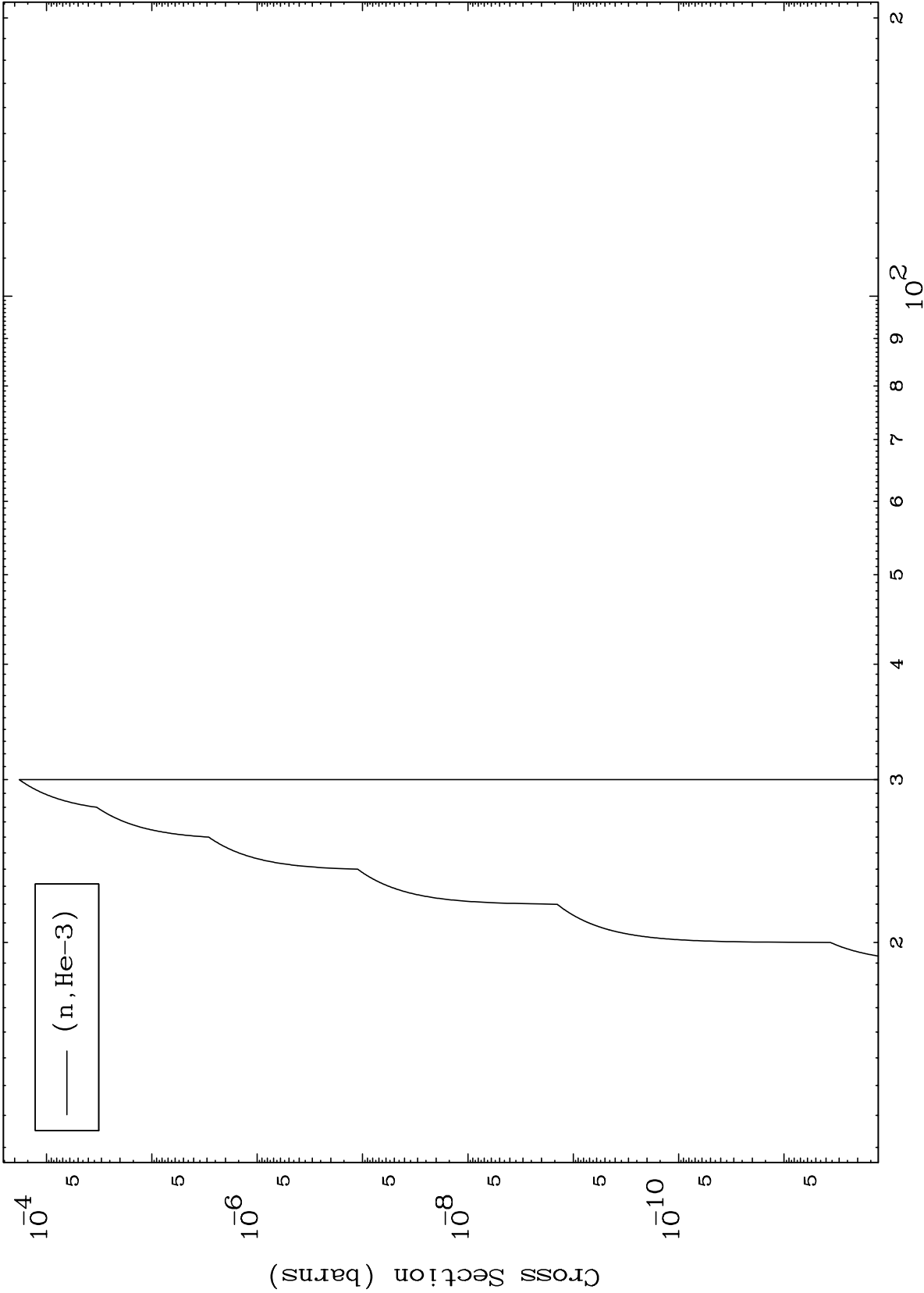
Incident Energy (MeV)

55-Cs-123m

MAT 5496

($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

55-Cs-123m

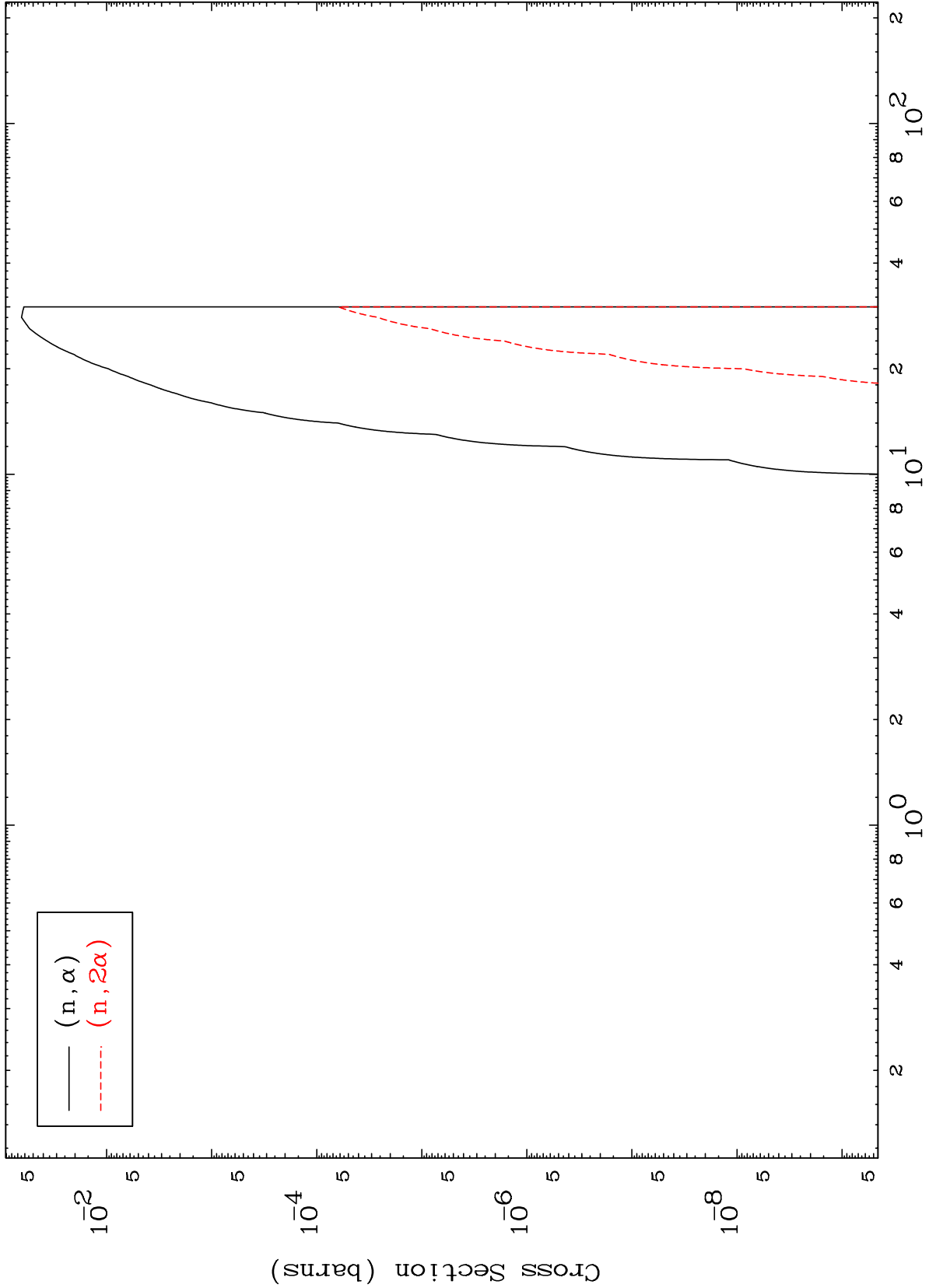


MAT 5496

(α, α) Levels

55-Cs-123m

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2α)

10

Incident Energy (MeV)

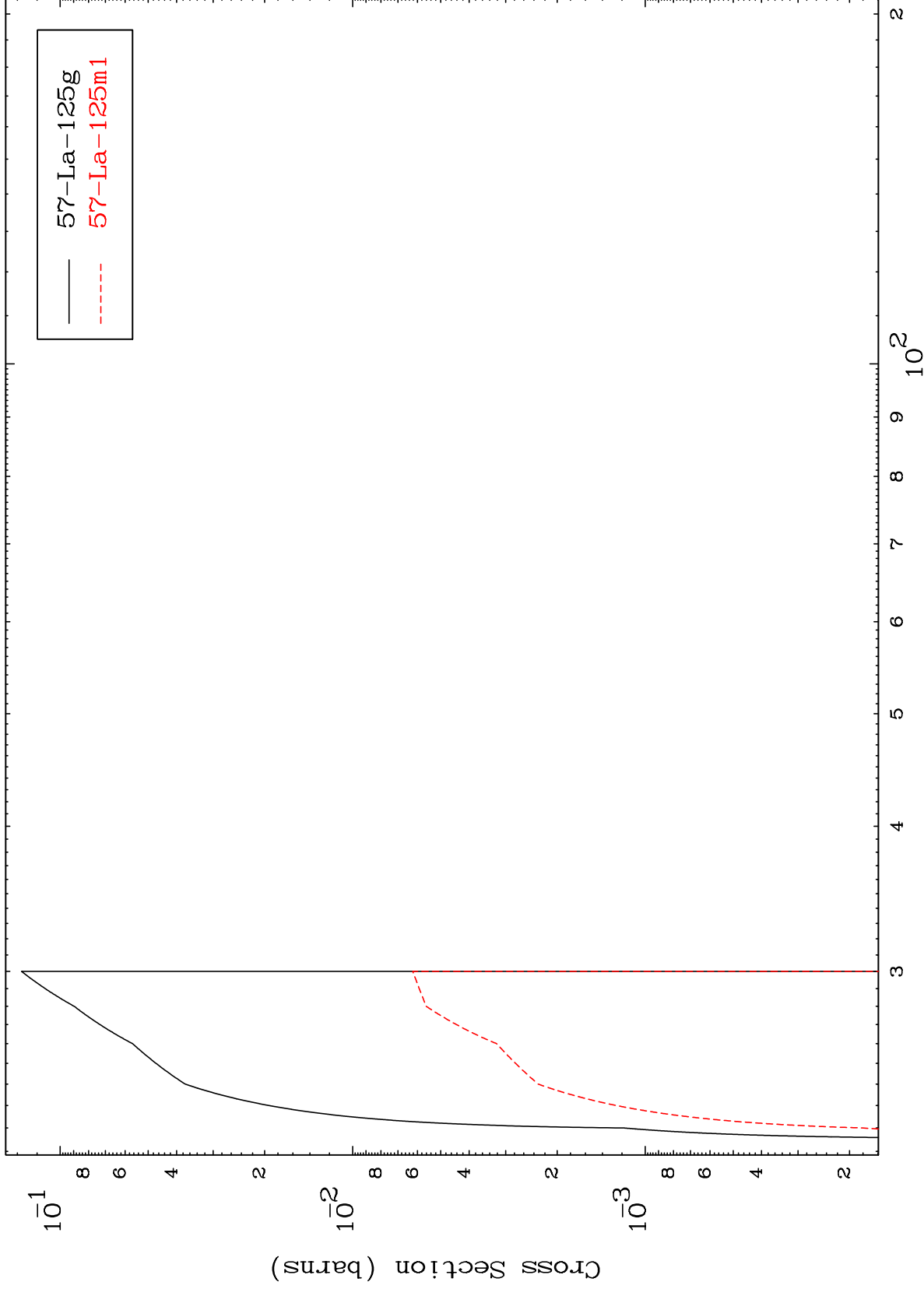
55-Cs-123m

MAT 5496

(n,2n)

55-Cs-123m

Radionuclide Production Cross Section



11

Incident Energy (MeV)

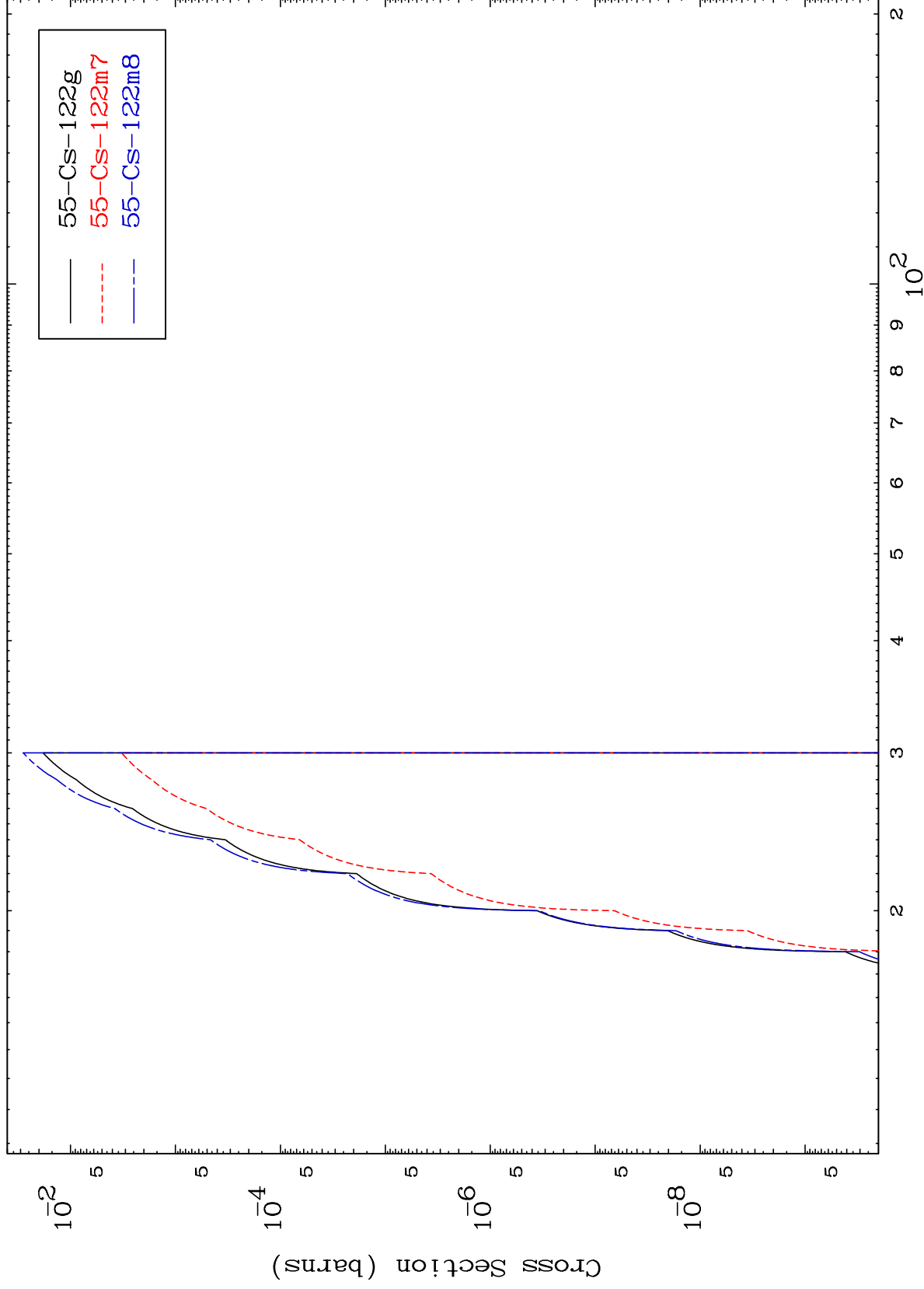
55-Cs-123m

MAT 5496

$(n, n') \alpha$

55-Cs-123m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

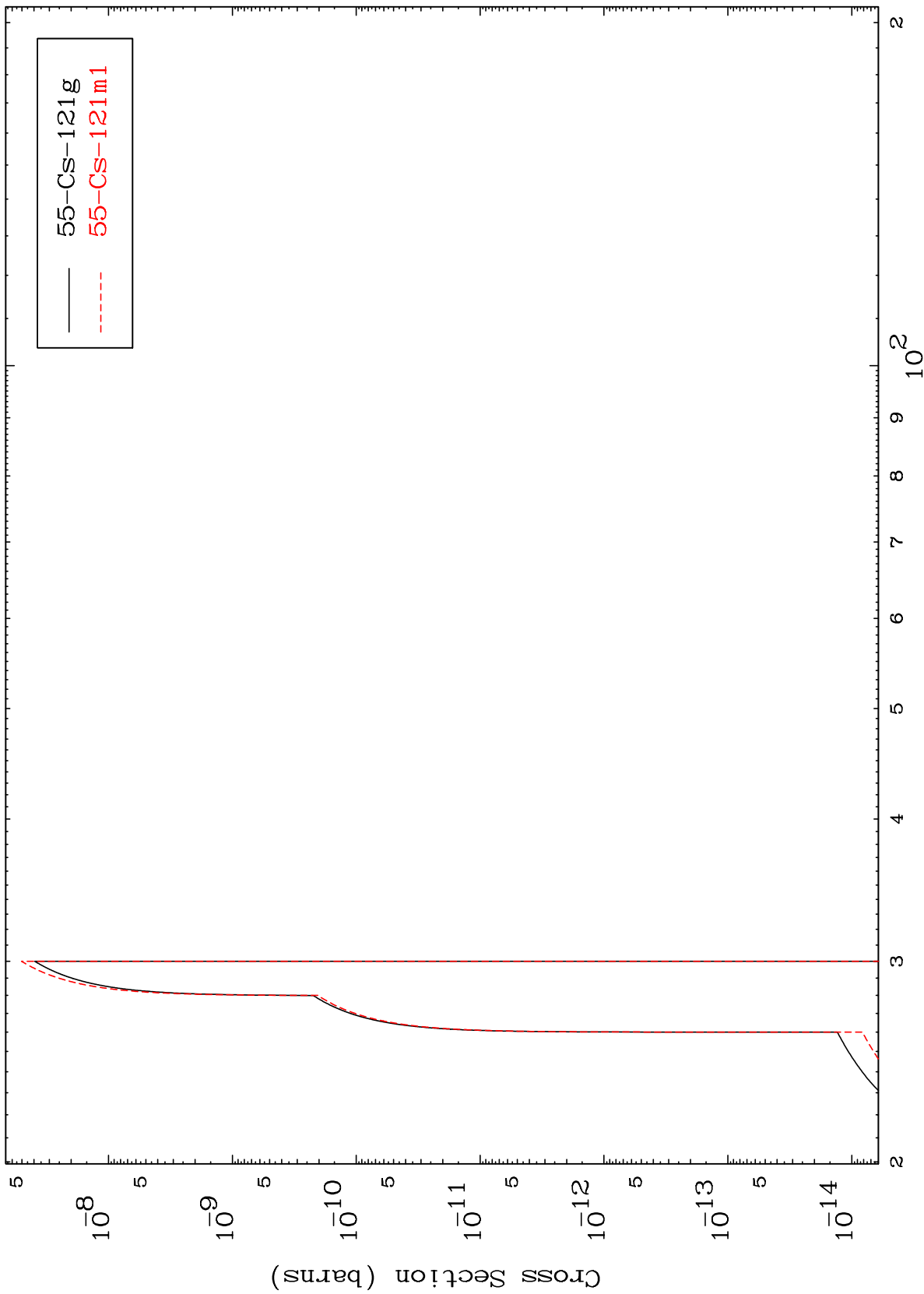
55-Cs-123m

MAT 5496

(n,2n) α

55-Cs-123m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

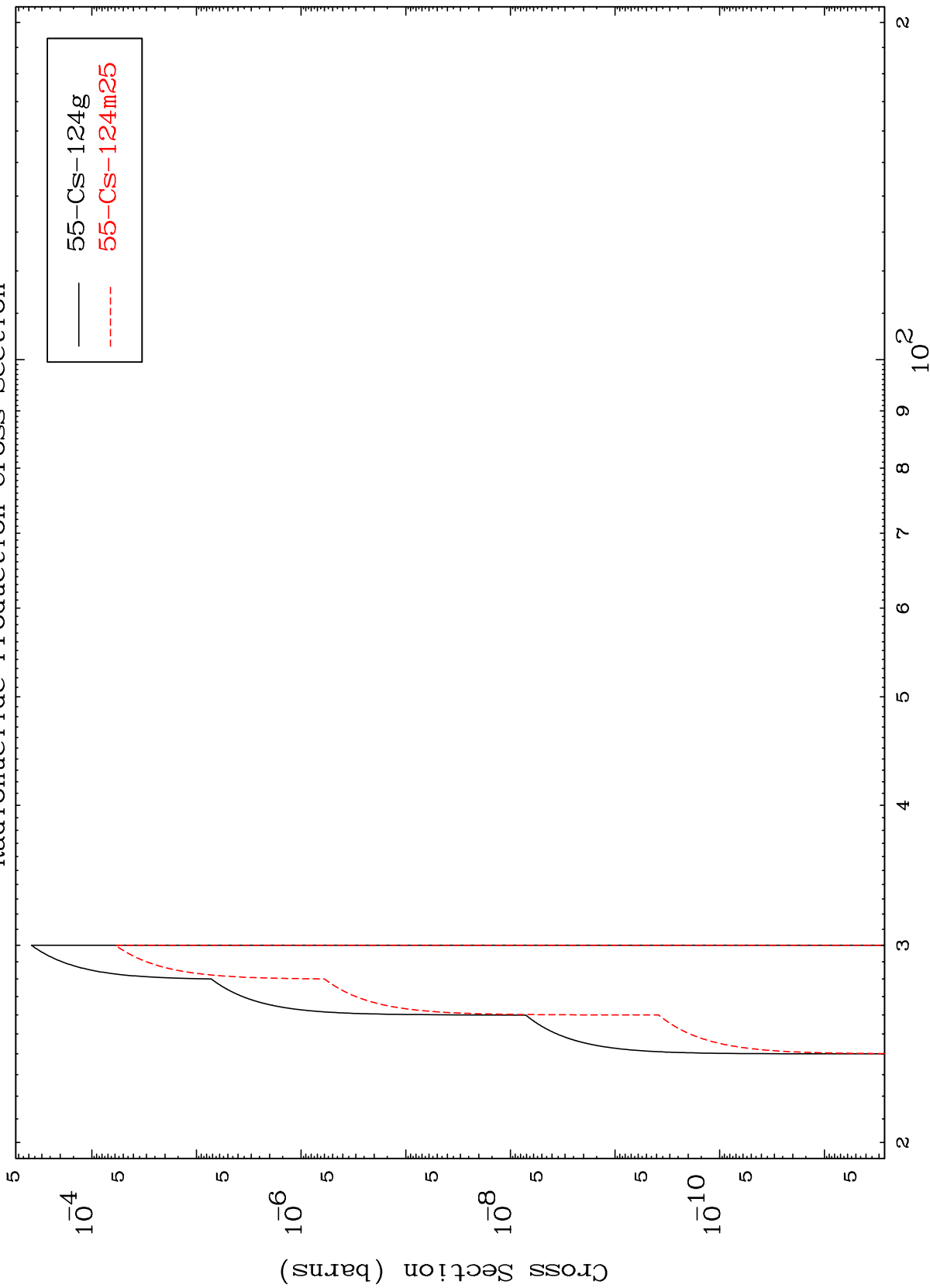
55-Cs-123m

MAT 5496

(n,2n) p

55-Cs-123m

Radionuclide Production Cross Section



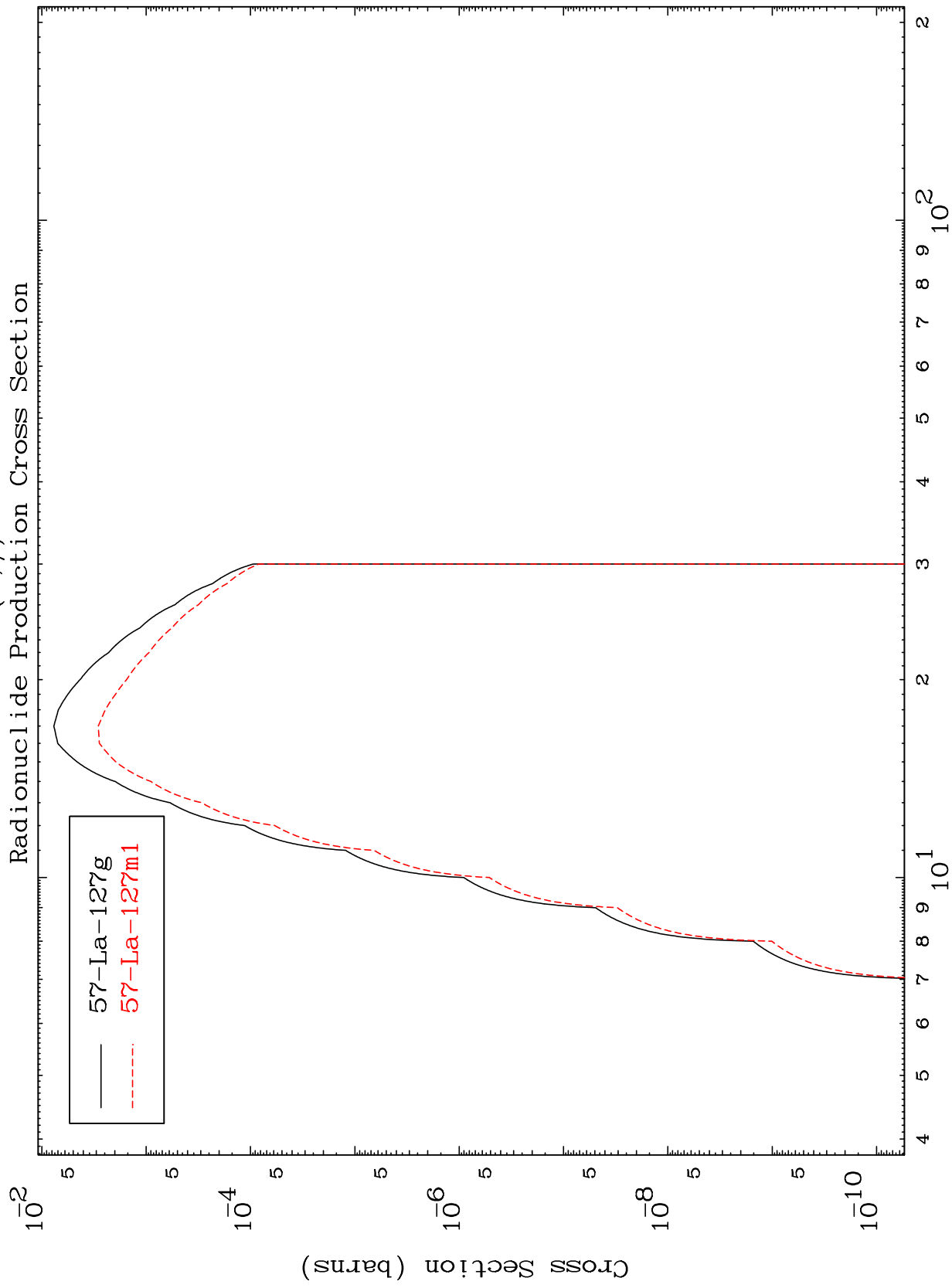
14

Incident Energy (MeV)

55-Cs-123m

MAT 5496

55-Cs-123m



55-Cs-123m

Incident Energy (MeV)

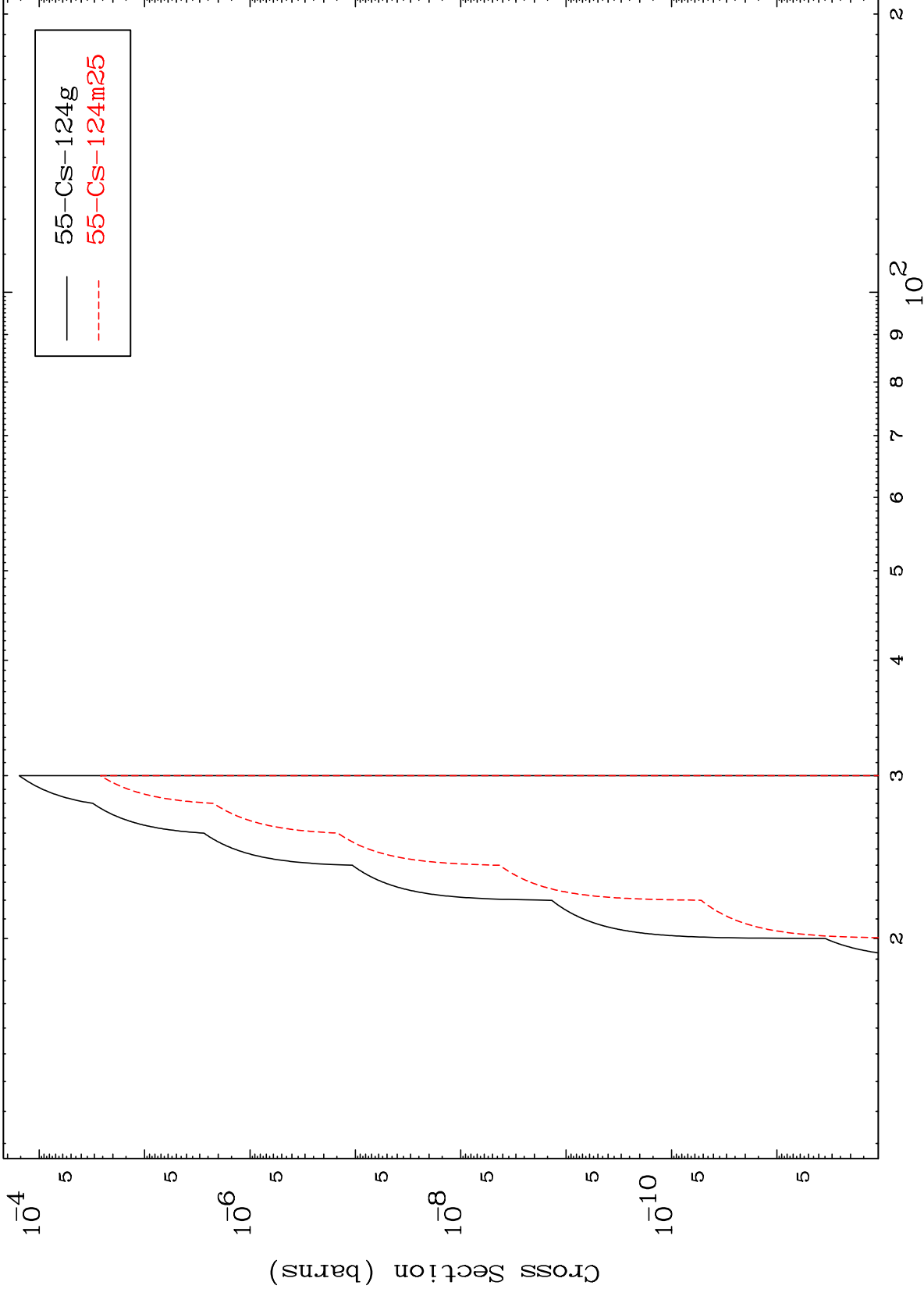
15

MAT 5496

(n,He-3)

55-Cs-123m

Radionuclide Production Cross Section



55-Cs-124g
55-Cs-124m25

16

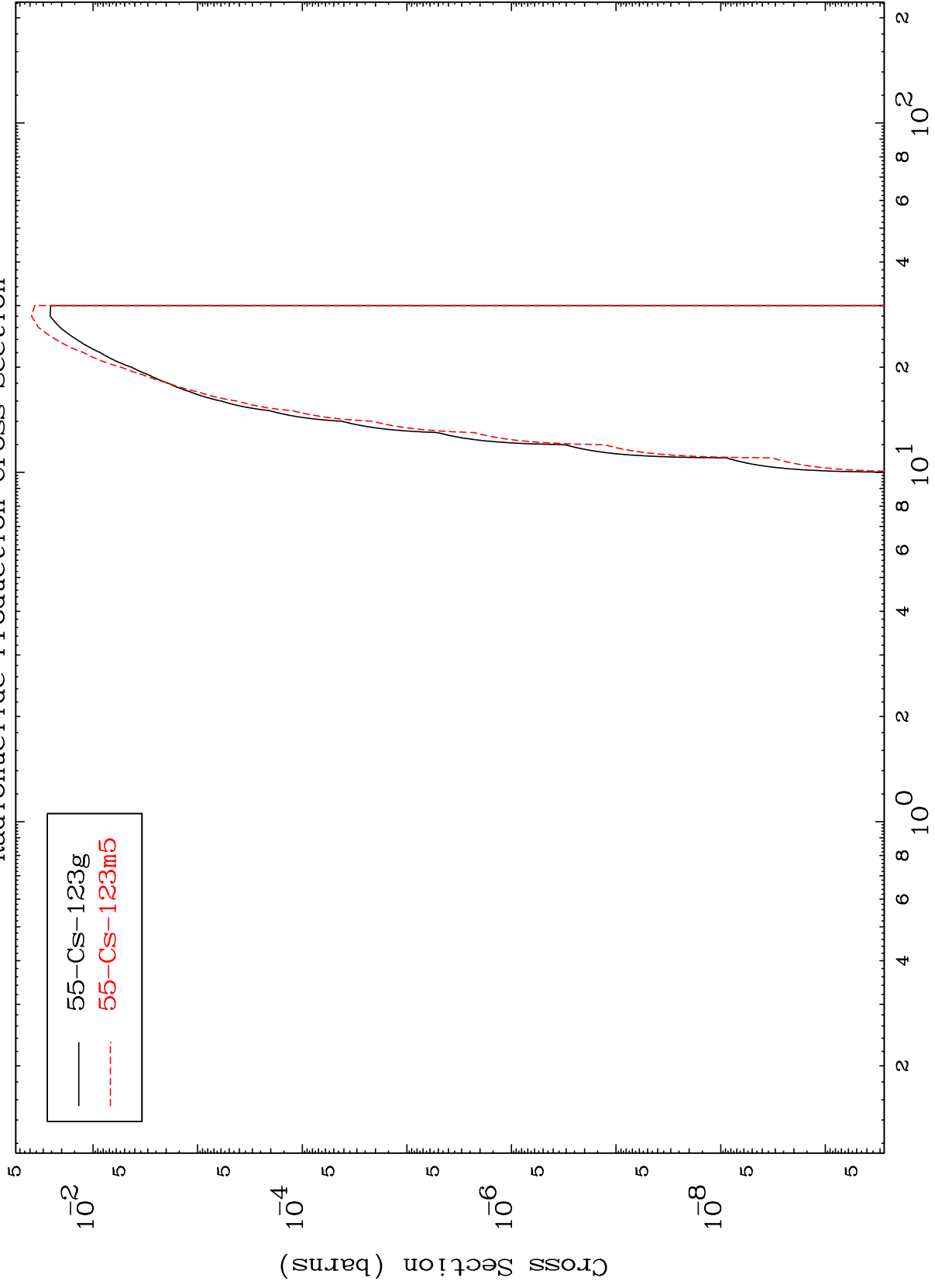
Incident Energy (MeV)

55-Cs-123m

MAT 5496

55-Cs-123m

Radionuclide Production Cross Section



55-Cs-123m

Incident Energy (MeV)

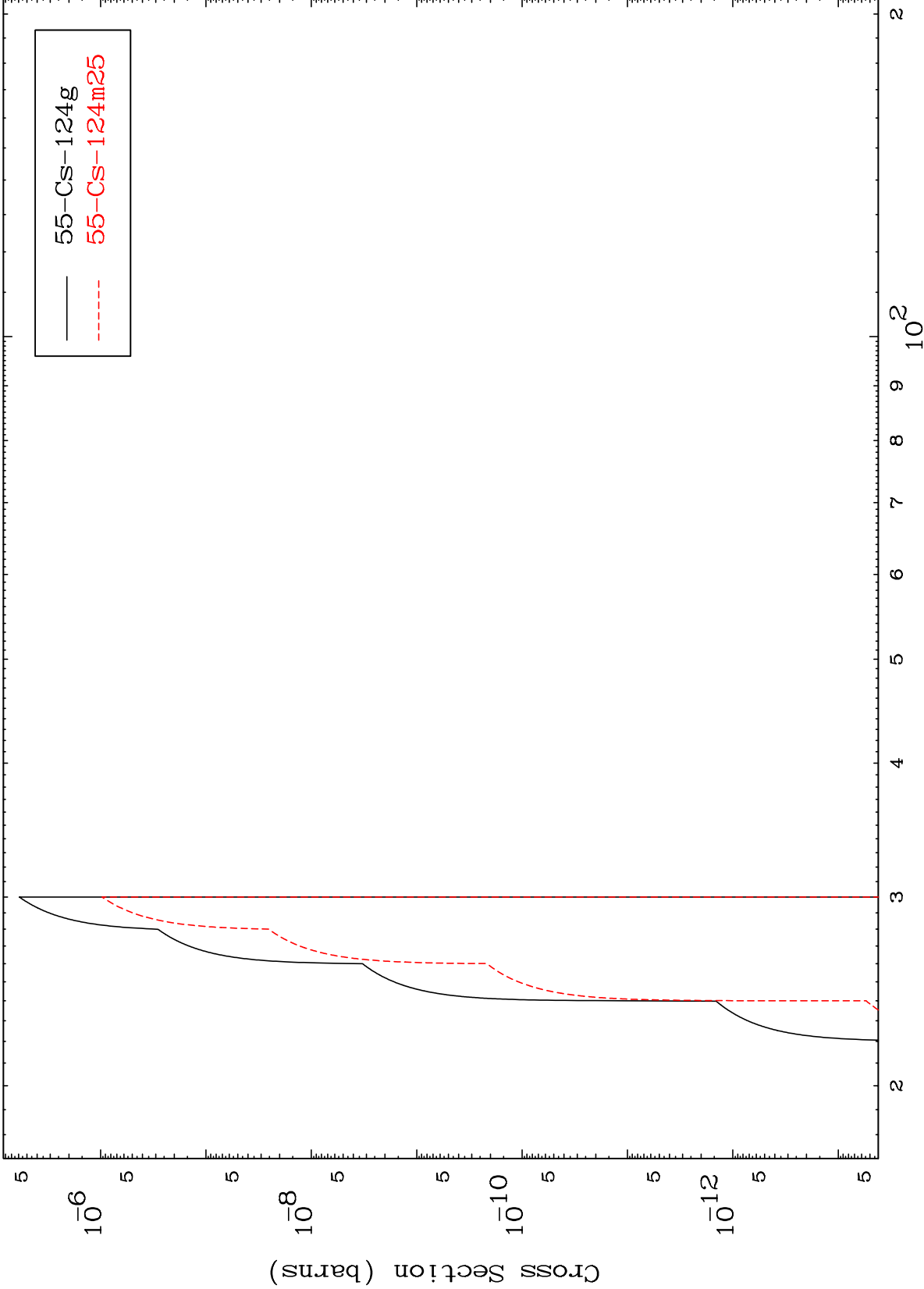
17

MAT 5496

(n,p) d

55-Cs-123m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

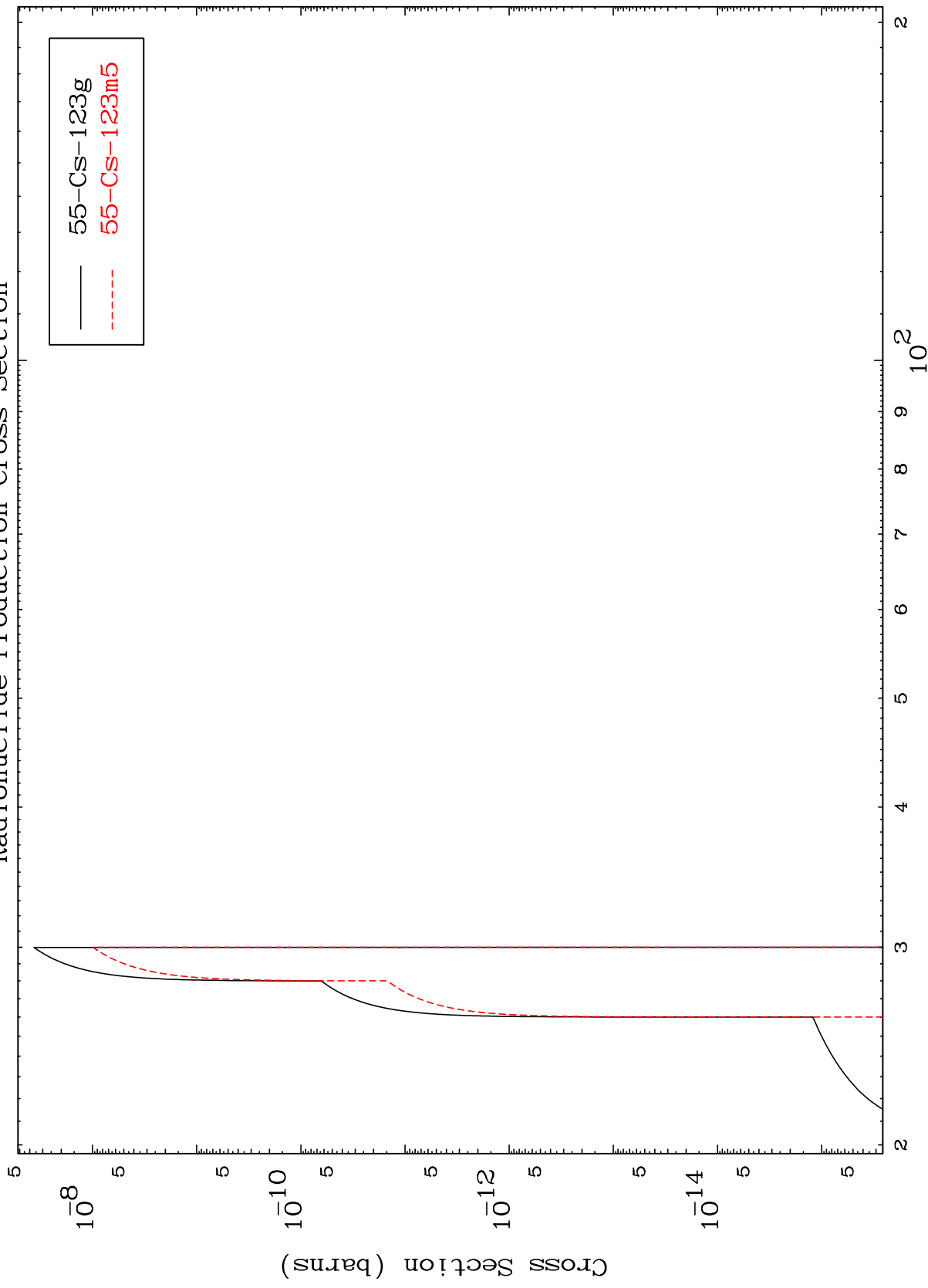
55-Cs-123m

MAT 5496

(n,p) t

55-Cs-123m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

55-Cs-123m