

Program EVALPLOT
(Version 2018-1)

by

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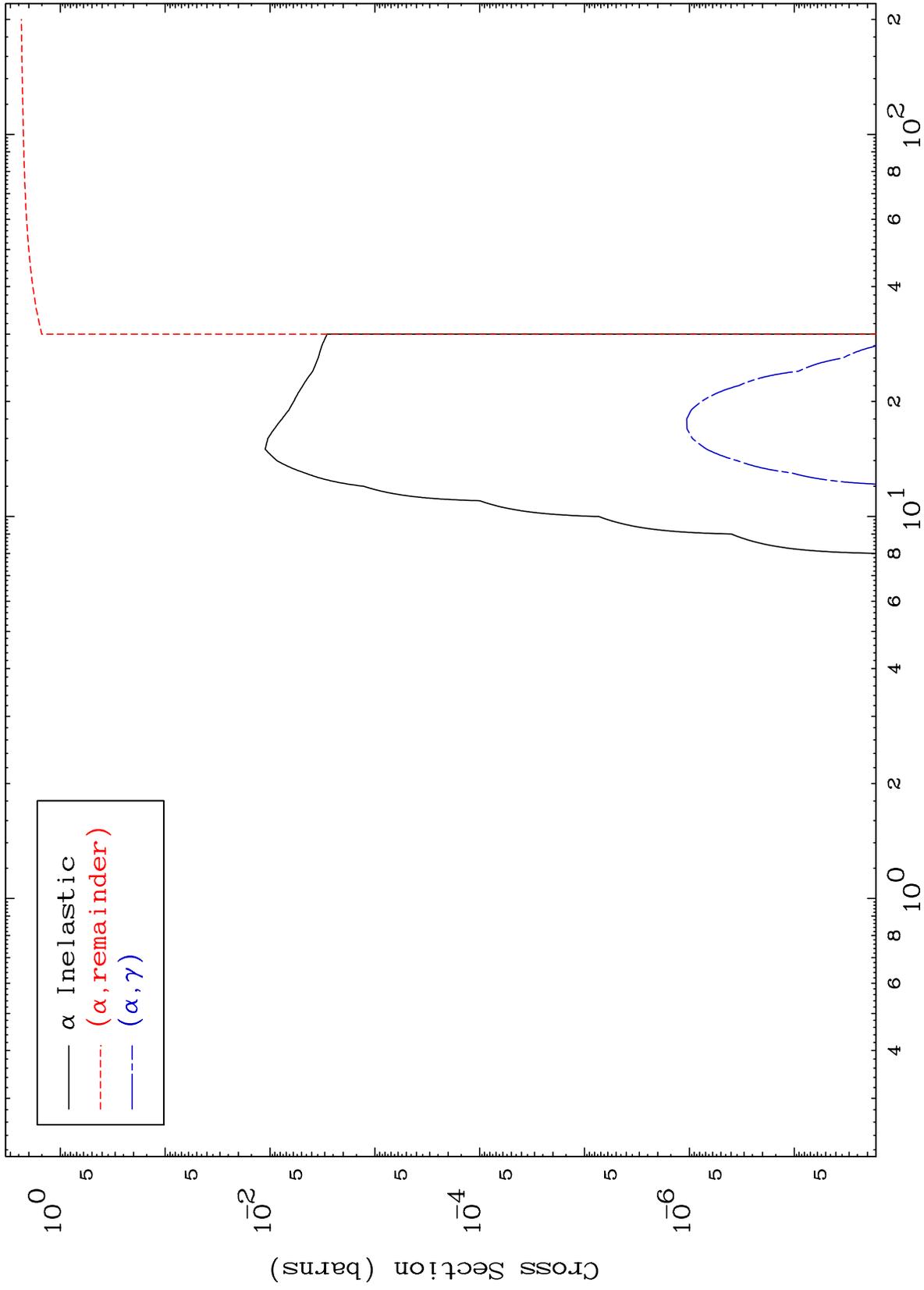
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5464

0 Kelvin α Major
Cross Sections

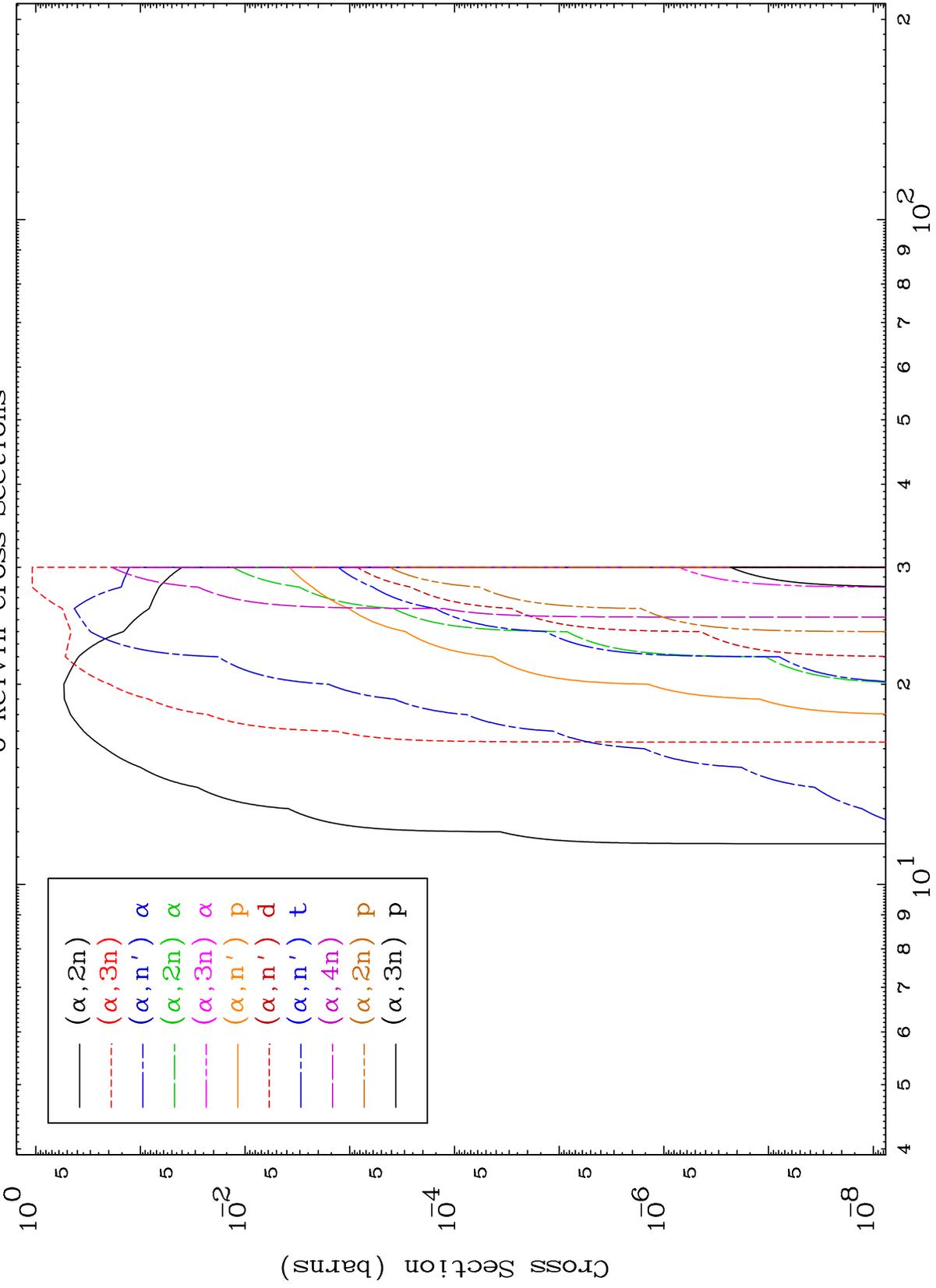
54-Xe-137



MAT 5464

α Neutron Production
0 Kelvin Cross Sections

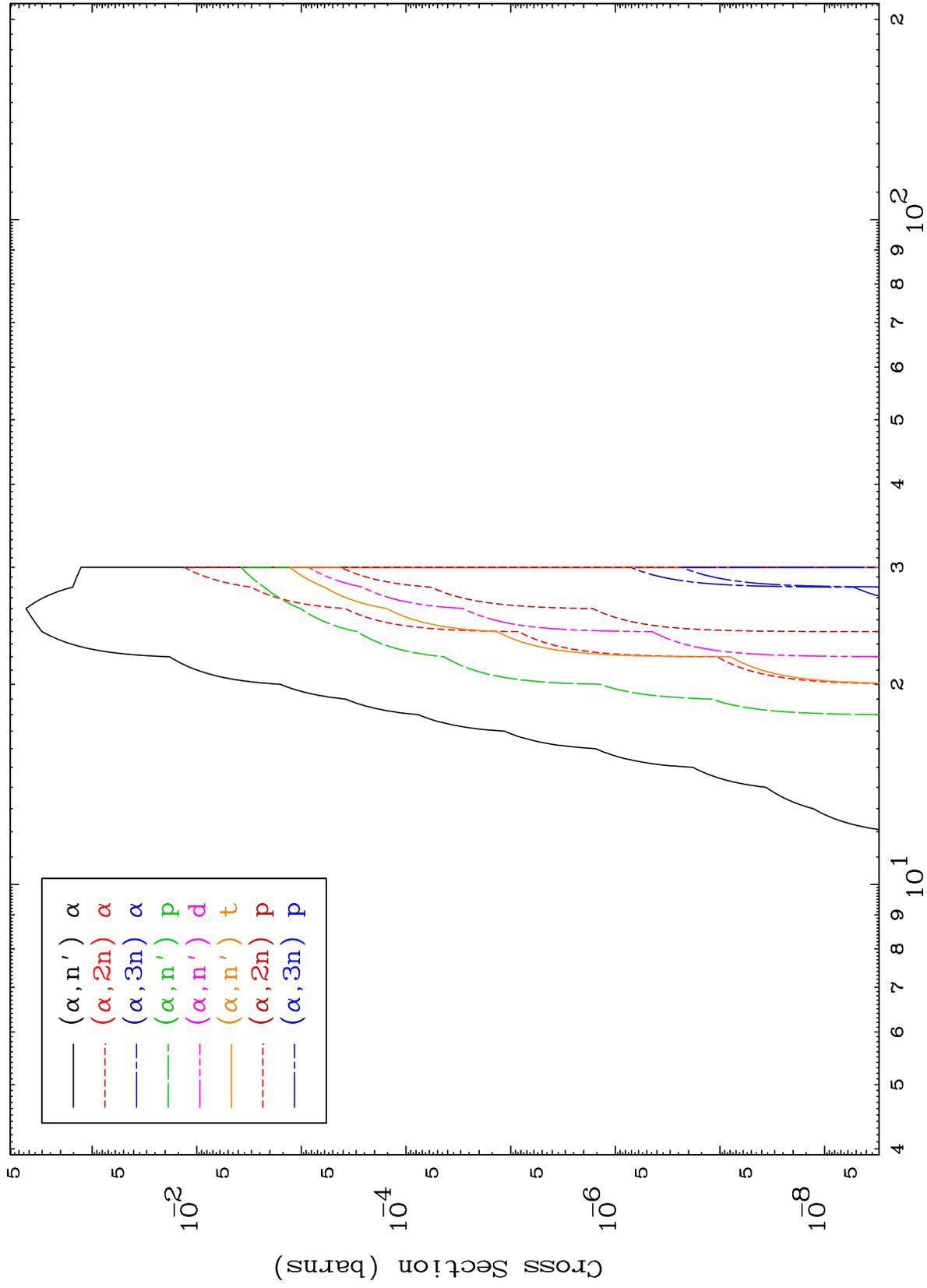
54-Xe-137



2

Incident Energy (MeV)

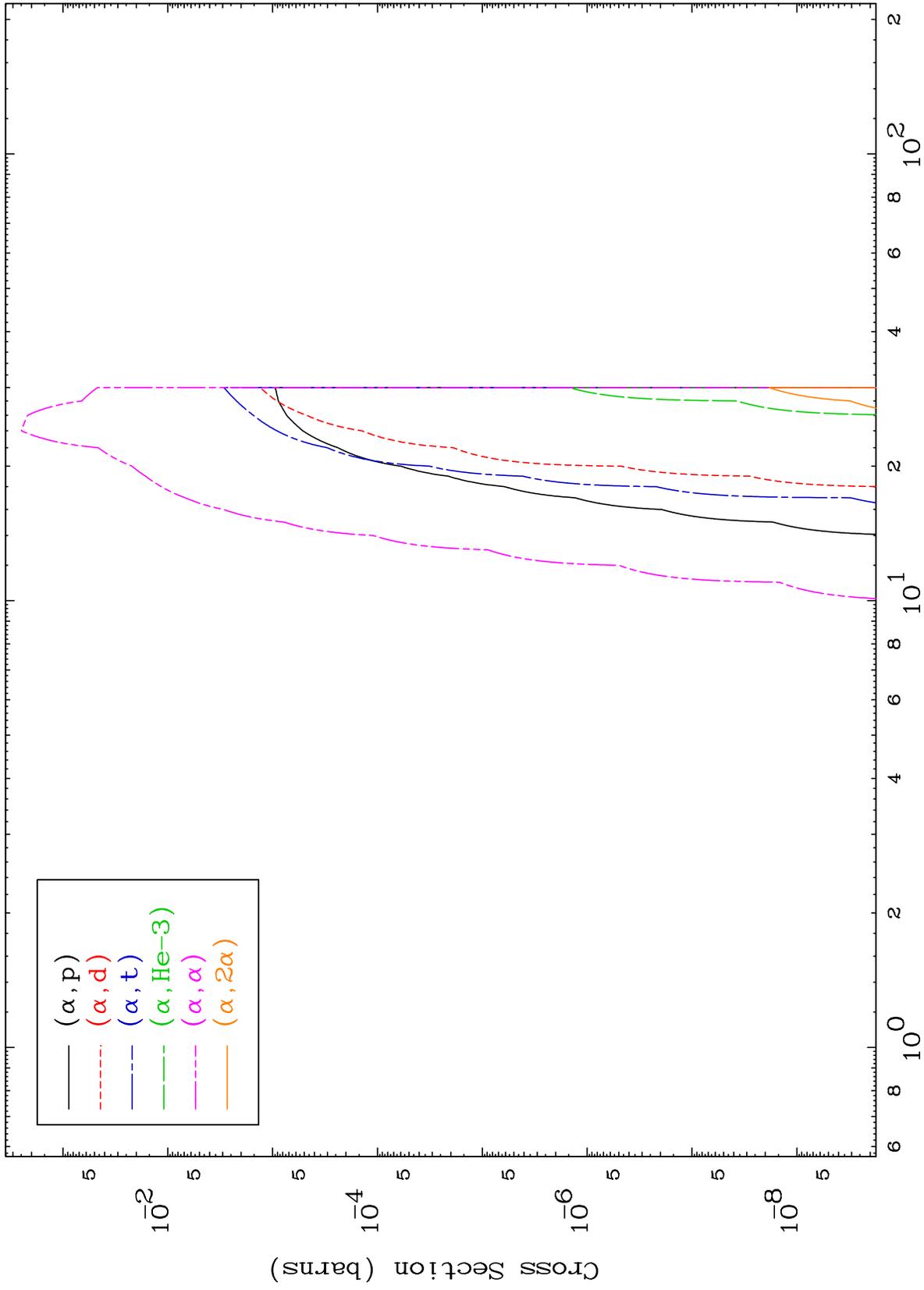
54-Xe-137



MAT 5464

α Charged Particle
0 Kelvin Cross Sections

54-Xe-137

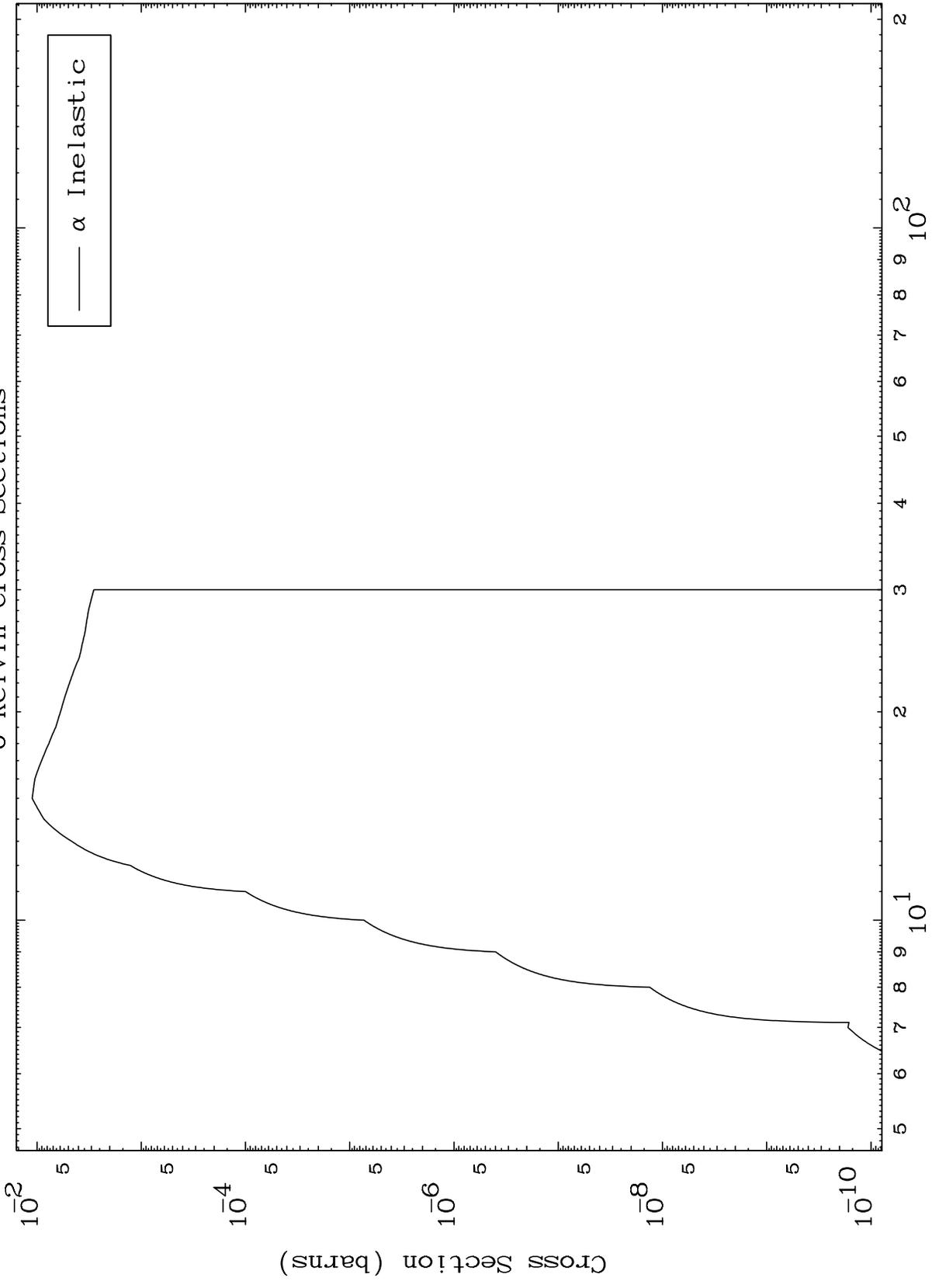


4

MAT 5464

(α, n') Level
0 Kelvin Cross Sections

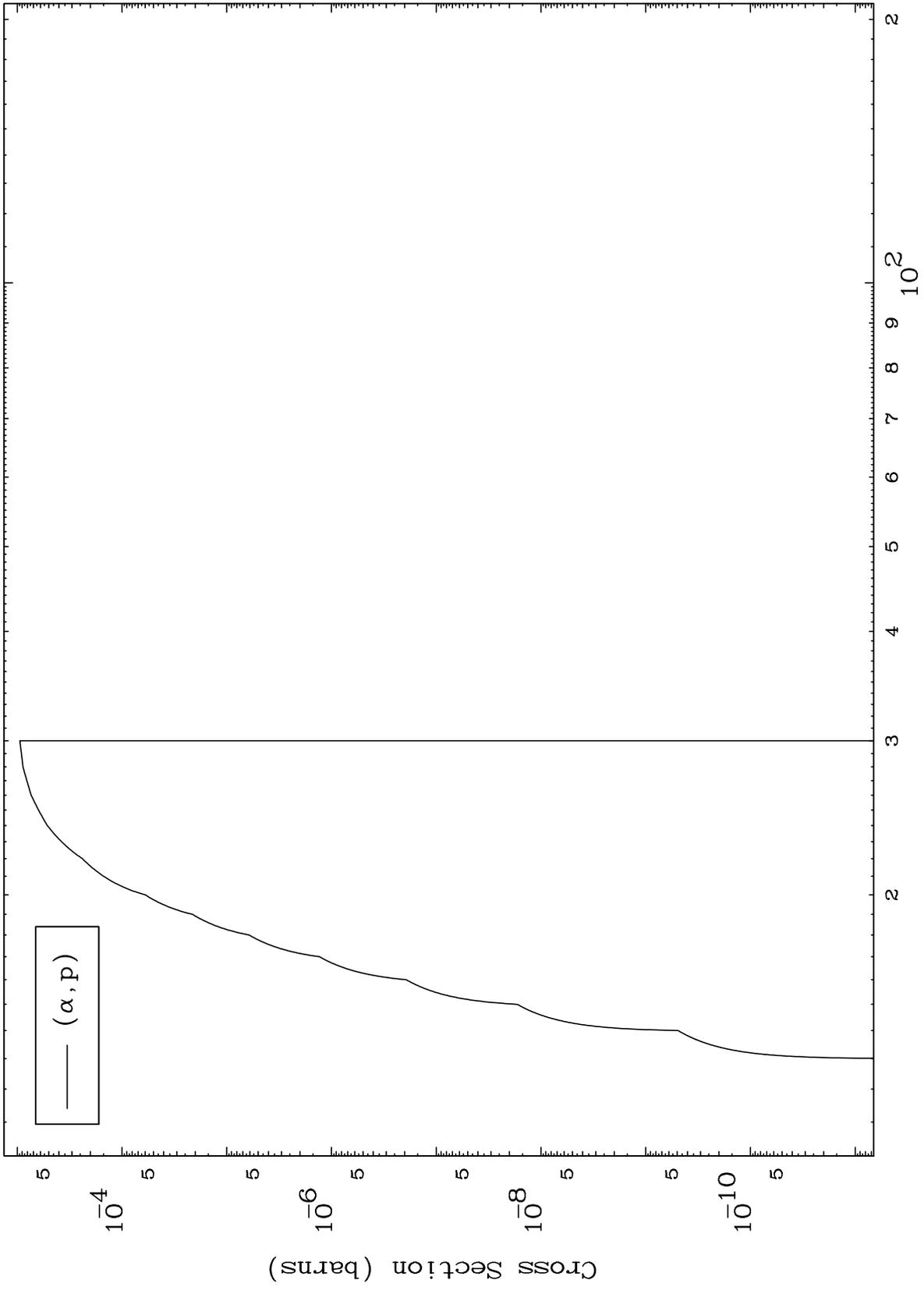
54-Xe-137



5

Incident Energy (MeV)

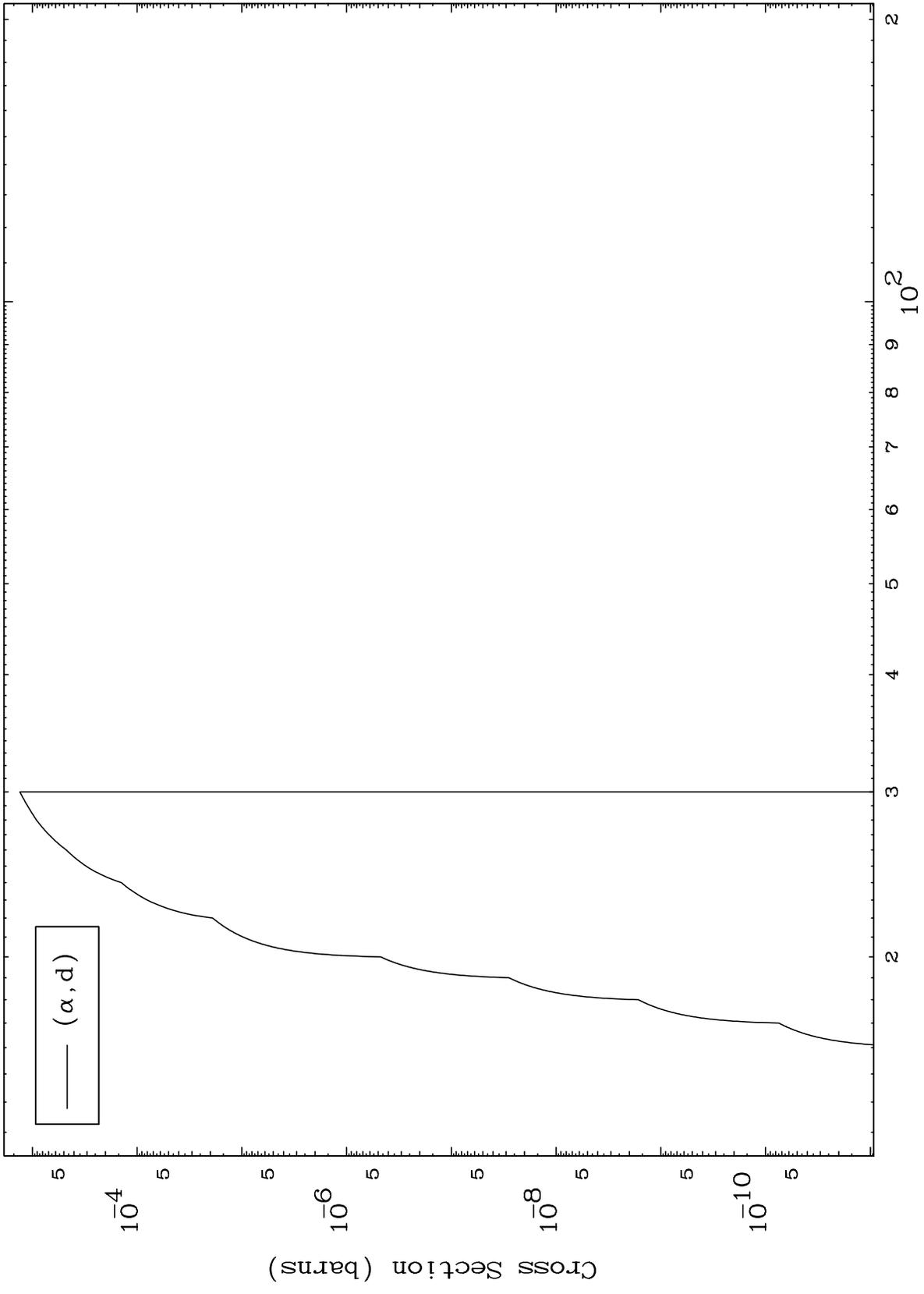
54-Xe-137



MAT 5464

(α, d) Levels
0 Kelvin Cross Sections

54-Xe-137



7

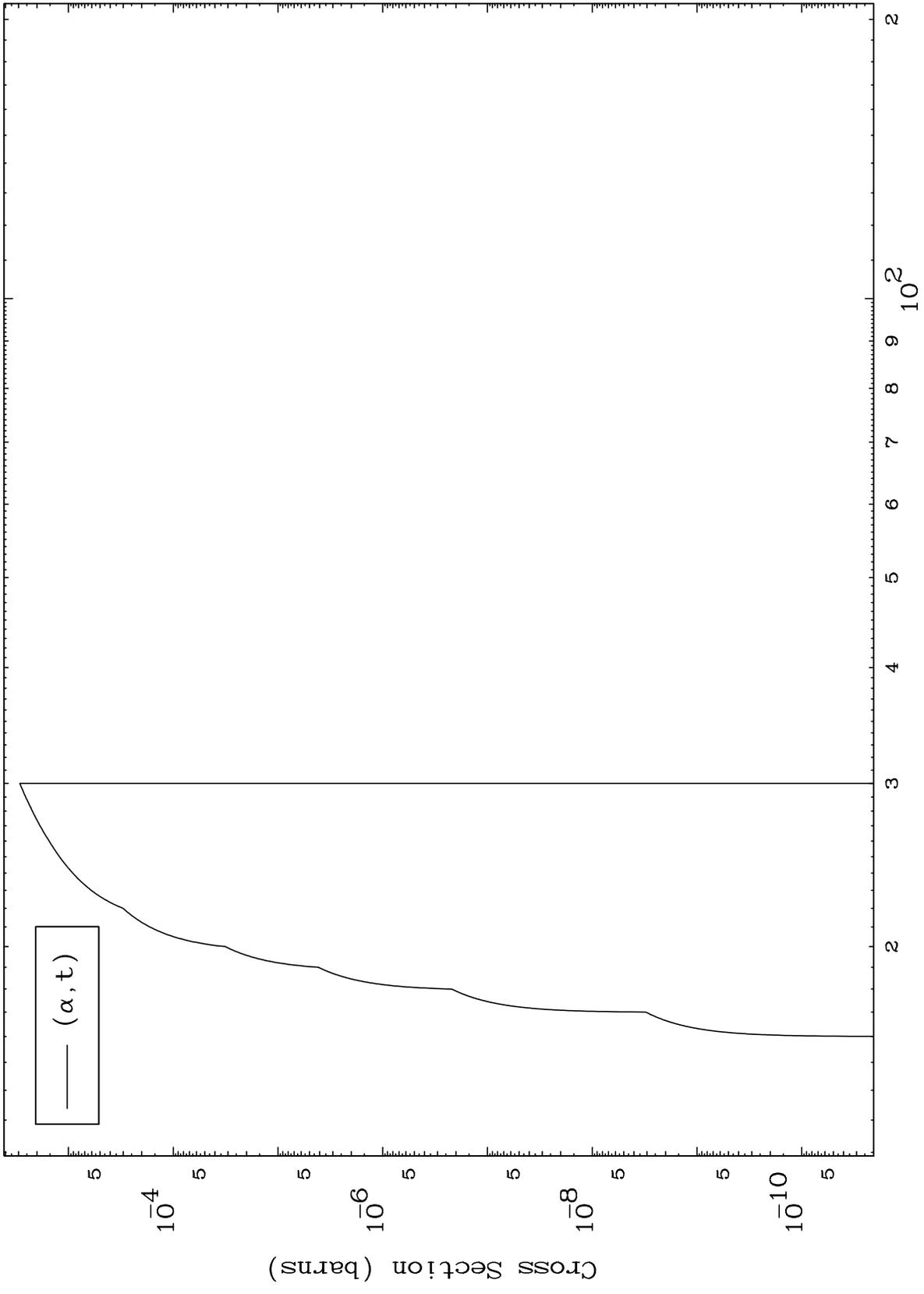
Incident Energy (MeV)

54-Xe-137

MAT 5464

(α, t) Levels
0 Kelvin Cross Sections

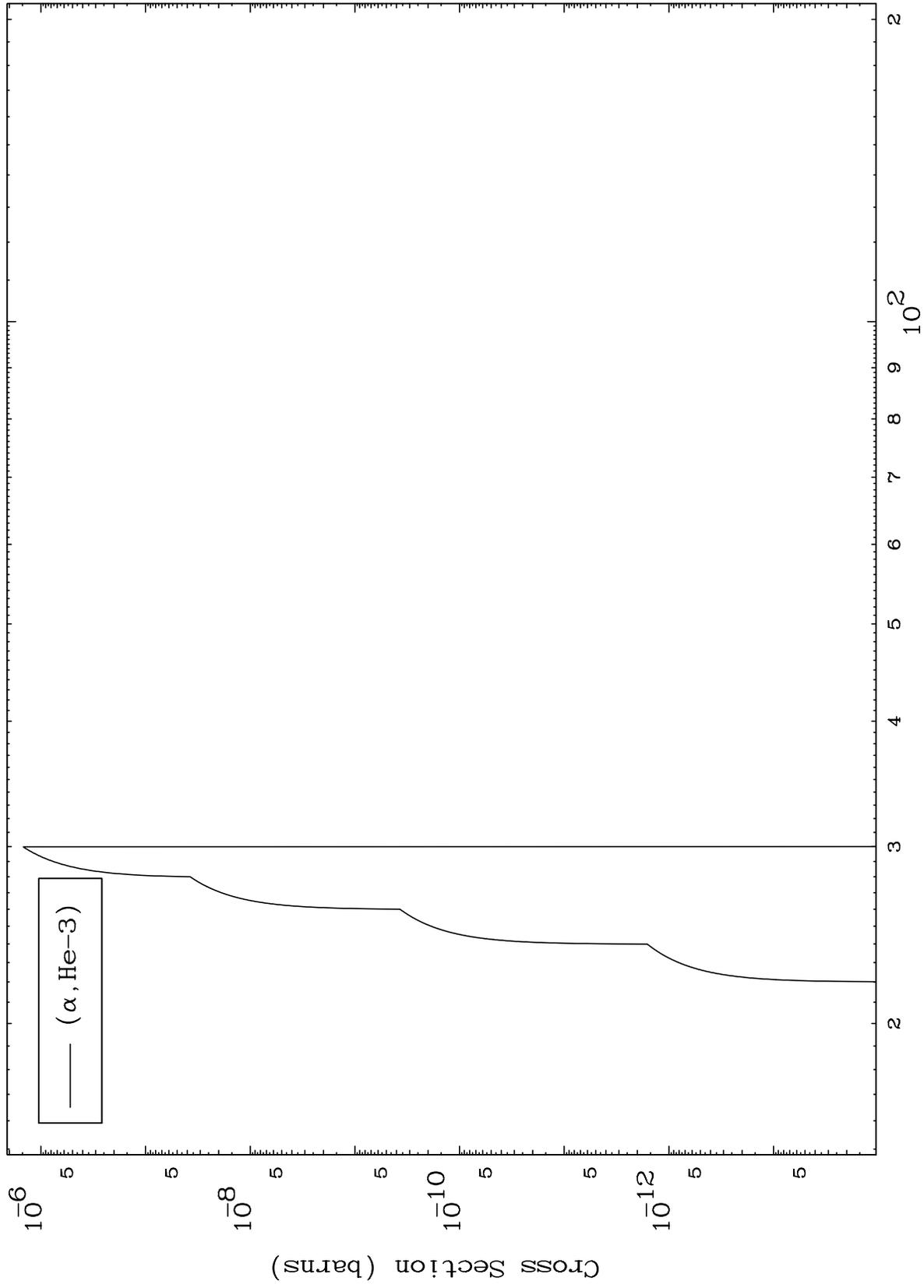
54-Xe-137



8

Incident Energy (MeV)

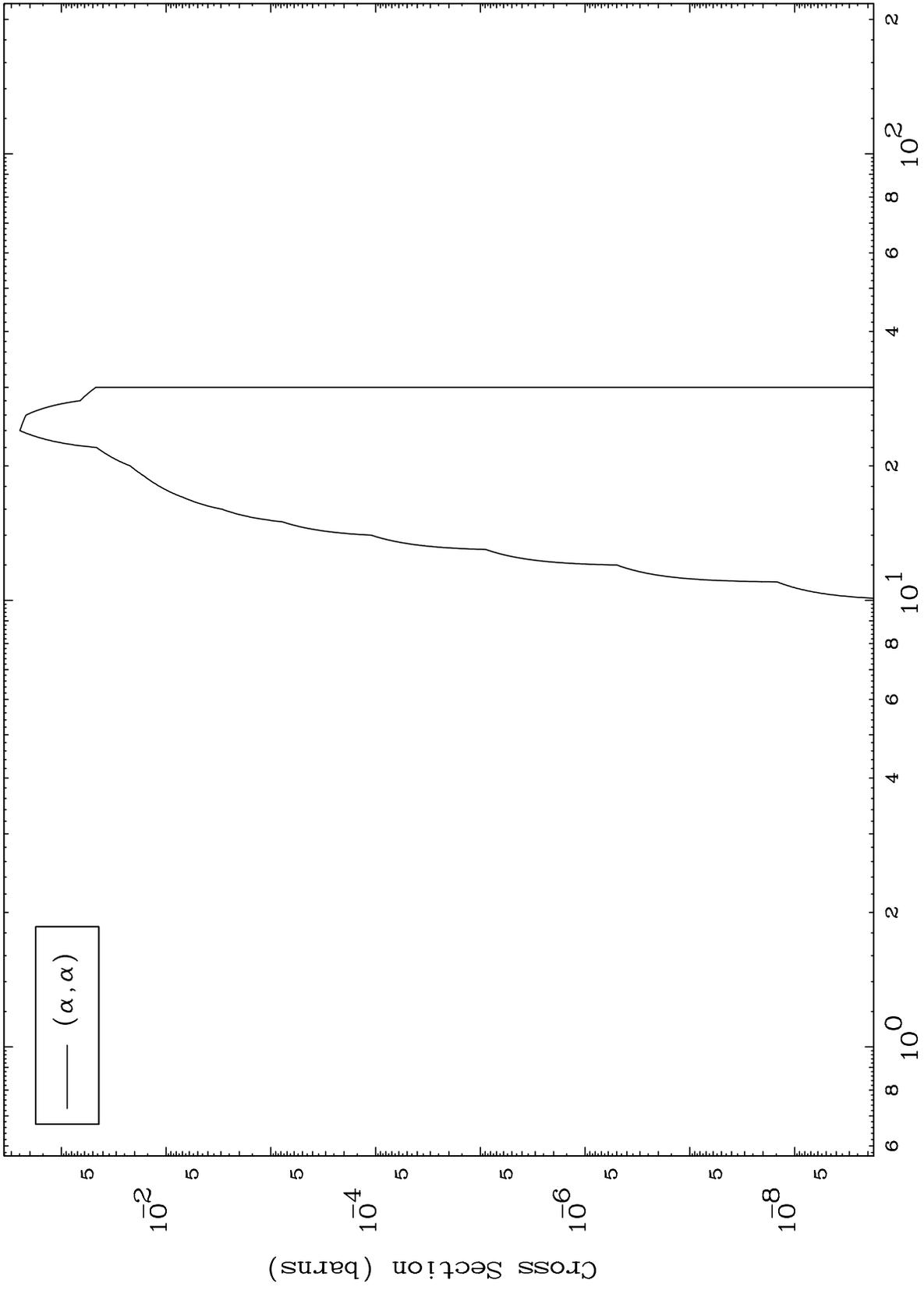
54-Xe-137



MAT 5464

(α, α) Levels
0 Kelvin Cross Sections

54-Xe-137



10

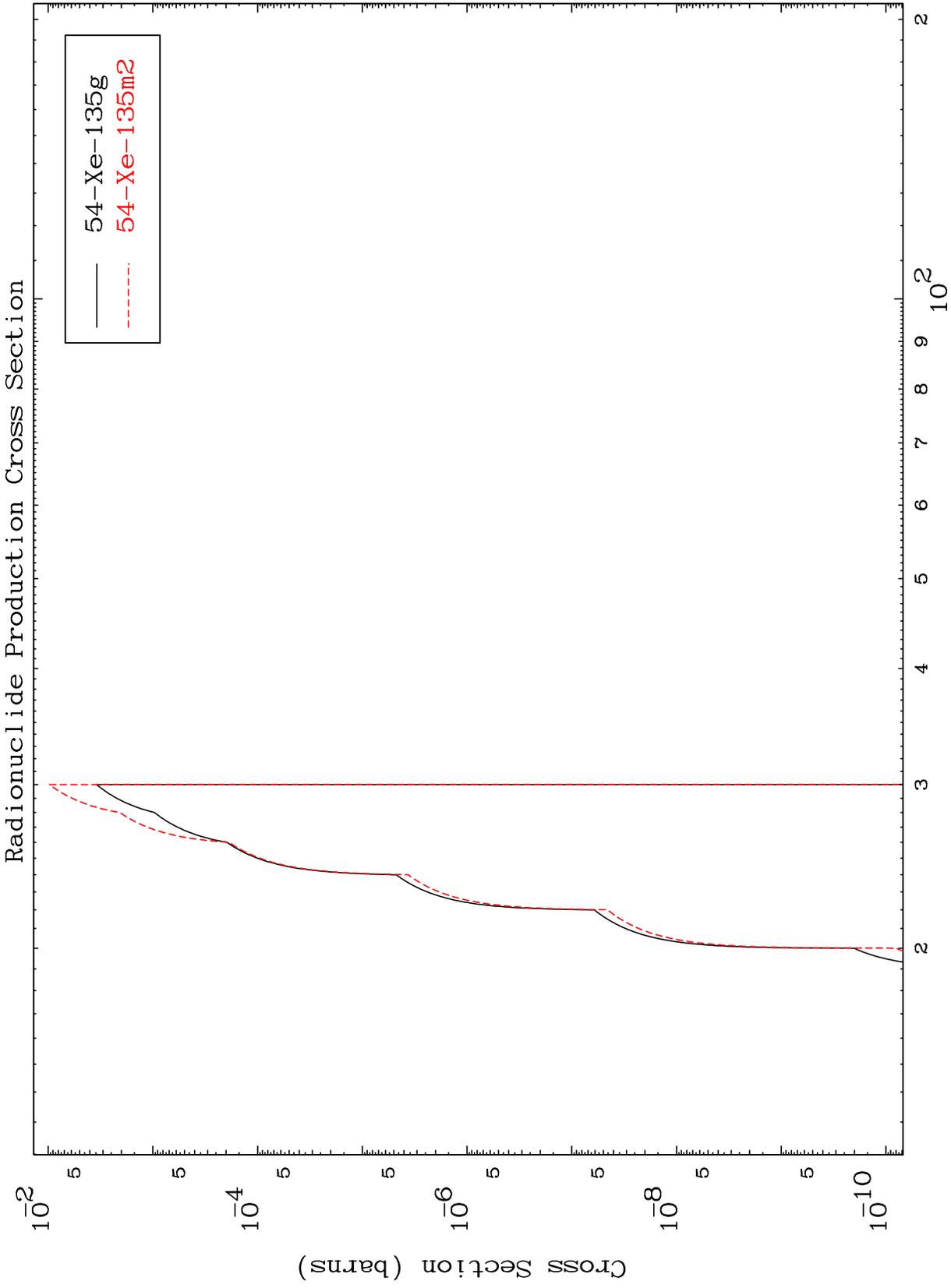
Incident Energy (MeV)

54-Xe-137

MAT 5464

$(\alpha, 2n) \alpha$

54-Xe-137



11

54-Xe-137

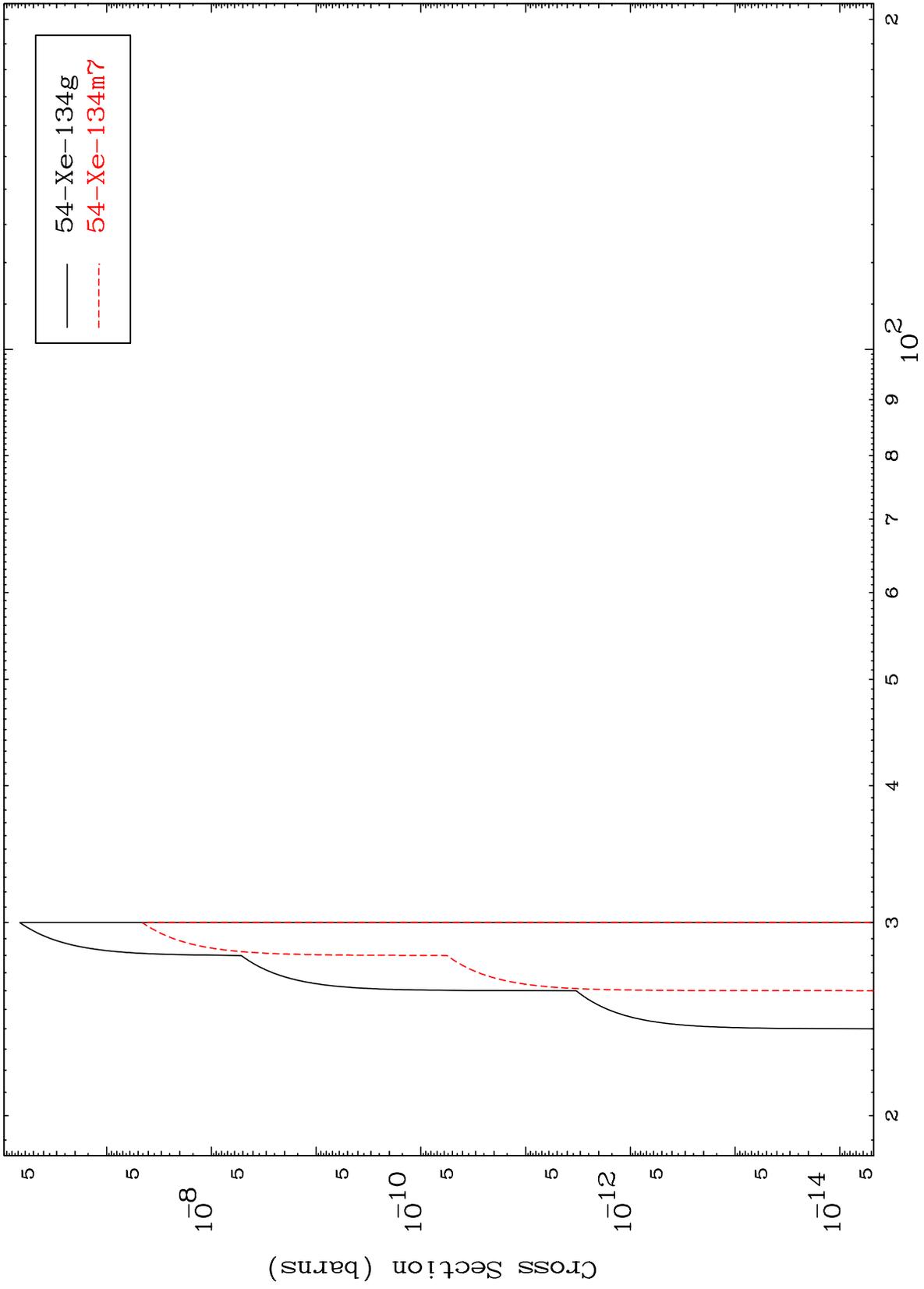
54-Xe-137

MAT 5464

($\alpha, 3n$) α

54-Xe-137

Radionuclide Production Cross Section



12

Incident Energy (MeV)

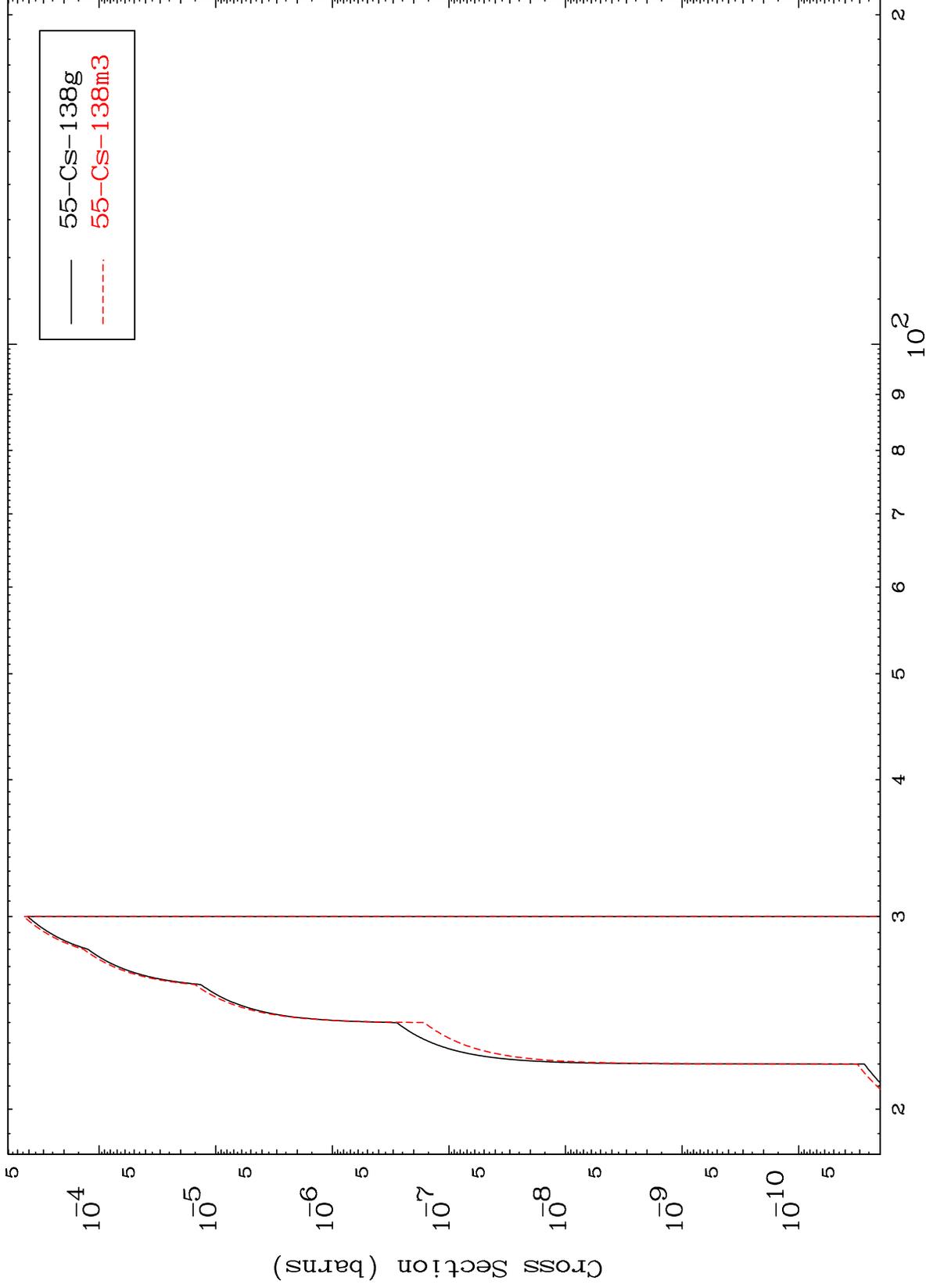
54-Xe-137

MAT 5464

(α, n') d

54-Xe-137

Radionuclide Production Cross Section



13

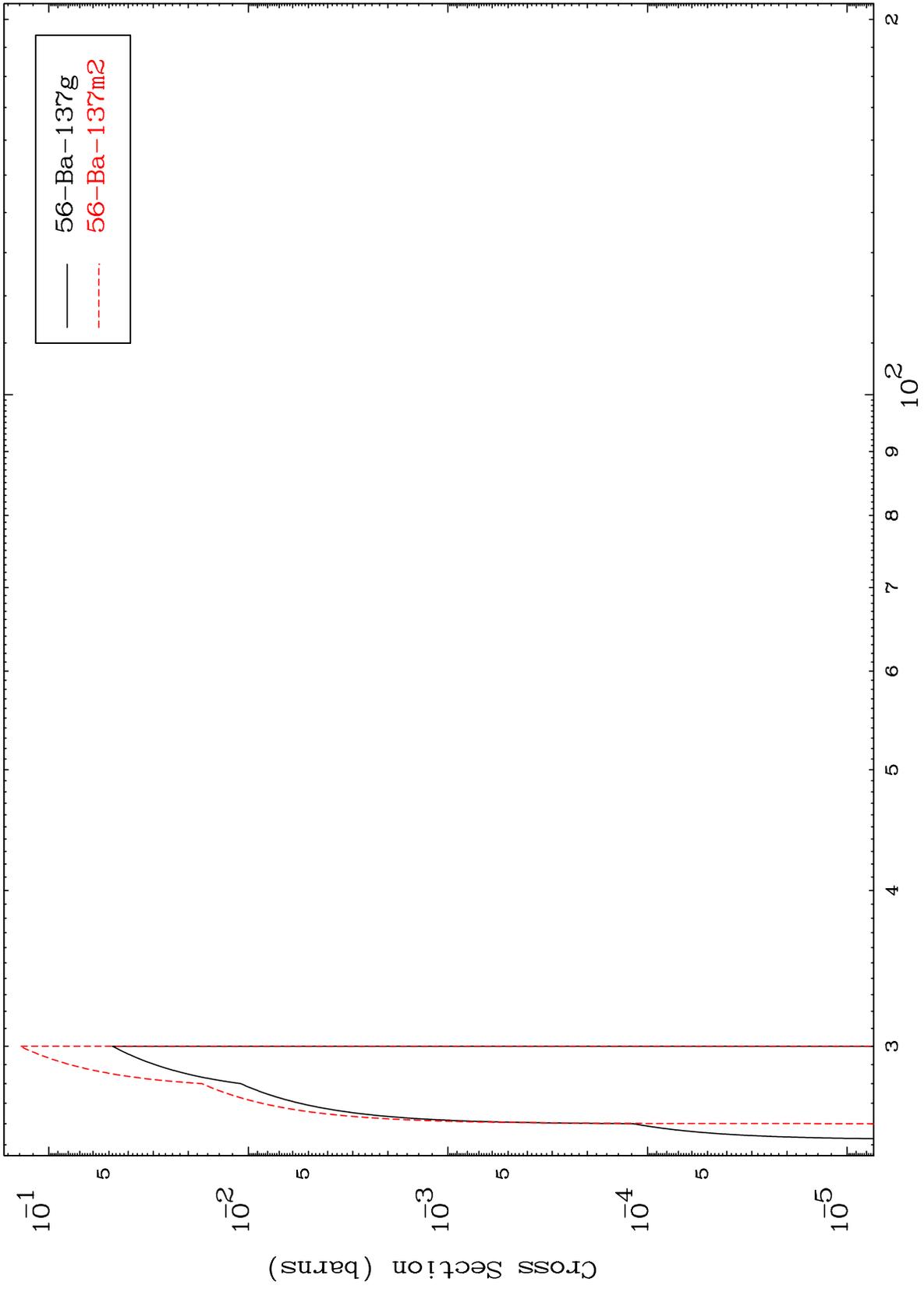
Incident Energy (MeV)

54-Xe-137

MAT 5464

54-Xe-137

($\alpha, 4n$)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

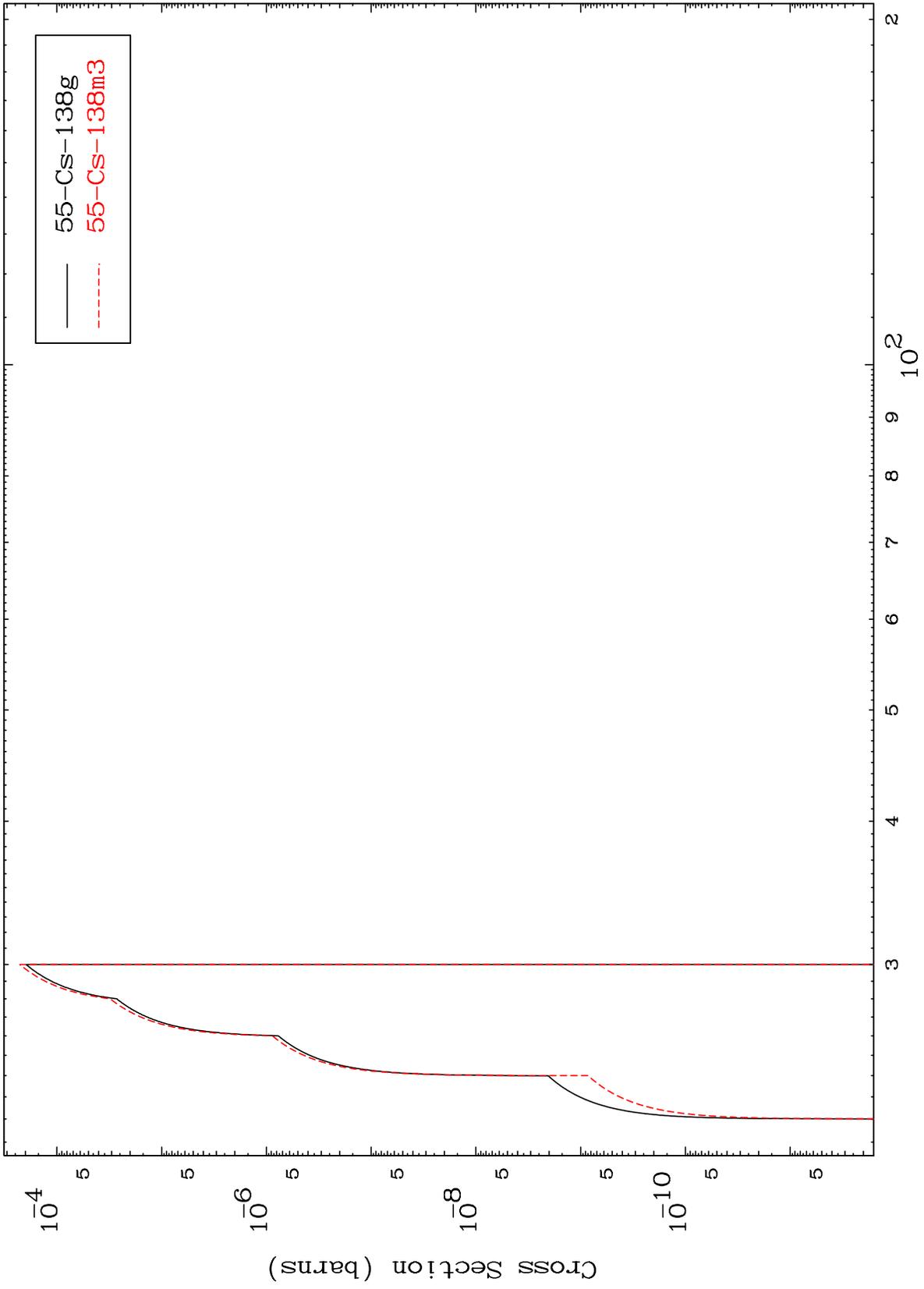
54-Xe-137

MAT 5464

($\alpha, 2n$) p

⁵⁴Xe-137

Radionuclide Production Cross Section



15

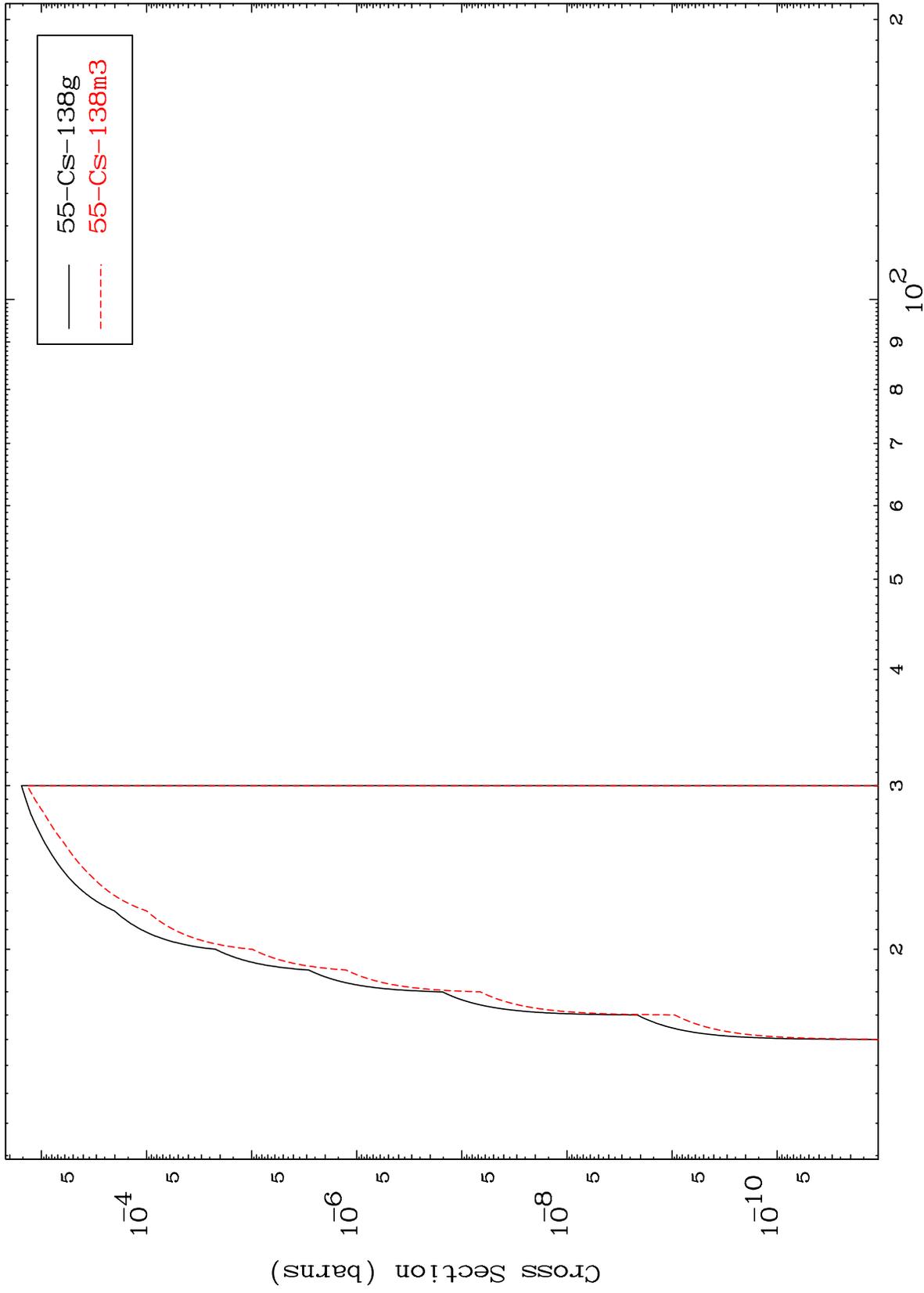
Incident Energy (MeV)

⁵⁴Xe-137

MAT 5464

54-Xe-137

(α, t)
Radionuclide Production Cross Section



16

Incident Energy (MeV)

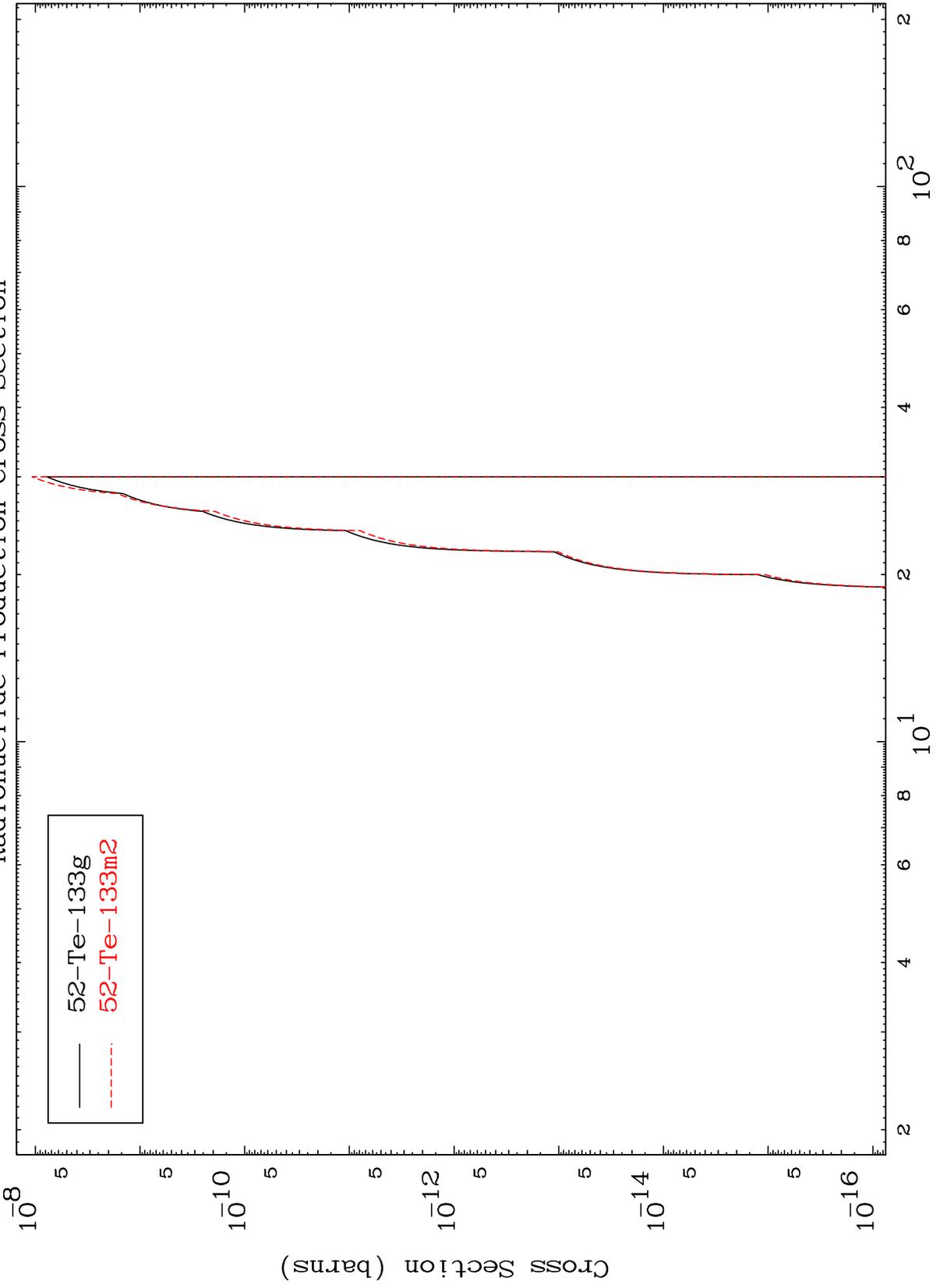
54-Xe-137

MAT 5464

($\alpha, 2\alpha$)

54-Xe-137

Radionuclide Production Cross Section



17

Incident Energy (MeV)

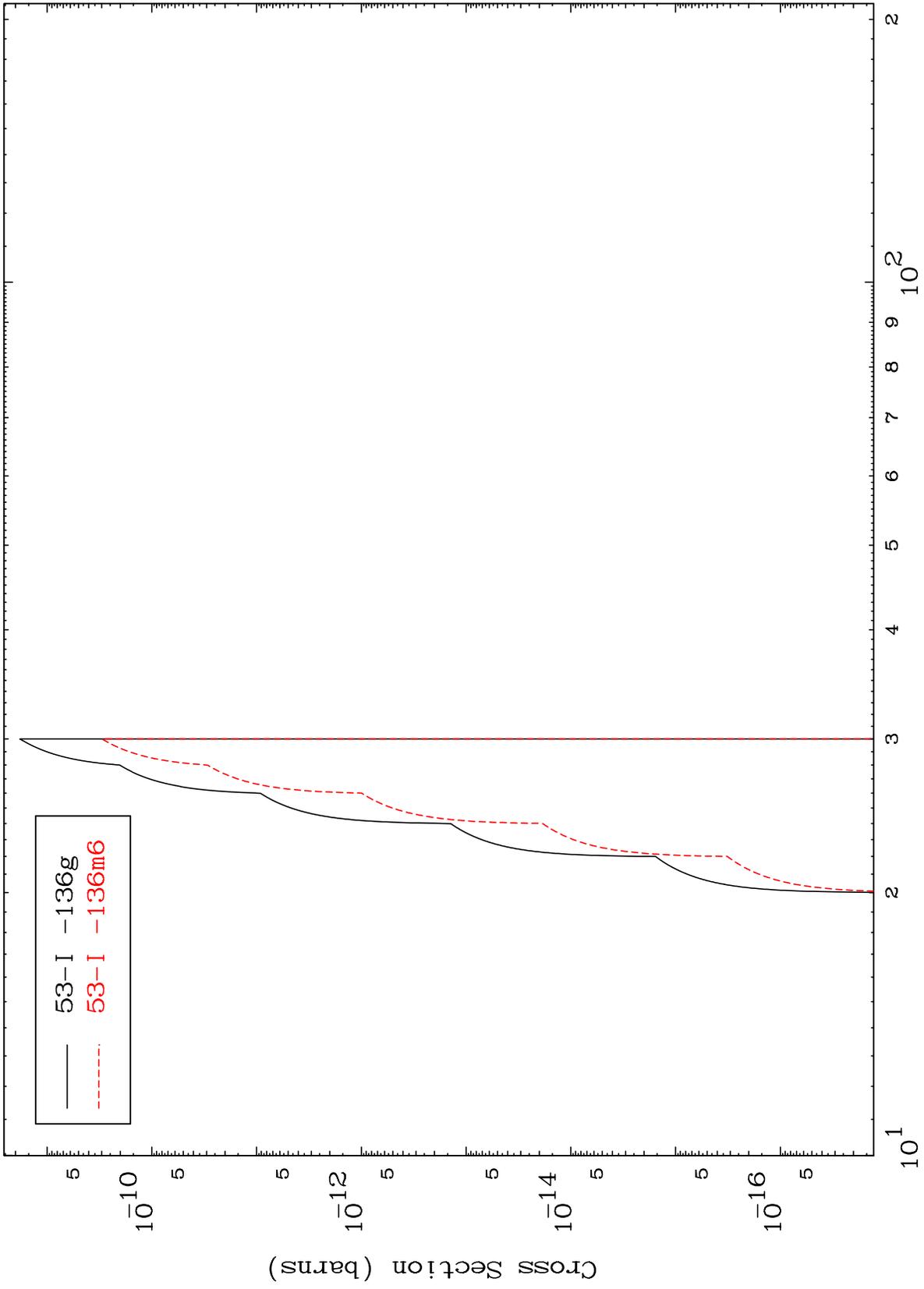
54-Xe-137

MAT 5464

(α, p) α

54-Xe-137

Radionuclide Production Cross Section



18

Incident Energy (MeV)

54-Xe-137