

Program EVALPLOT
(Version 2021-1)

by

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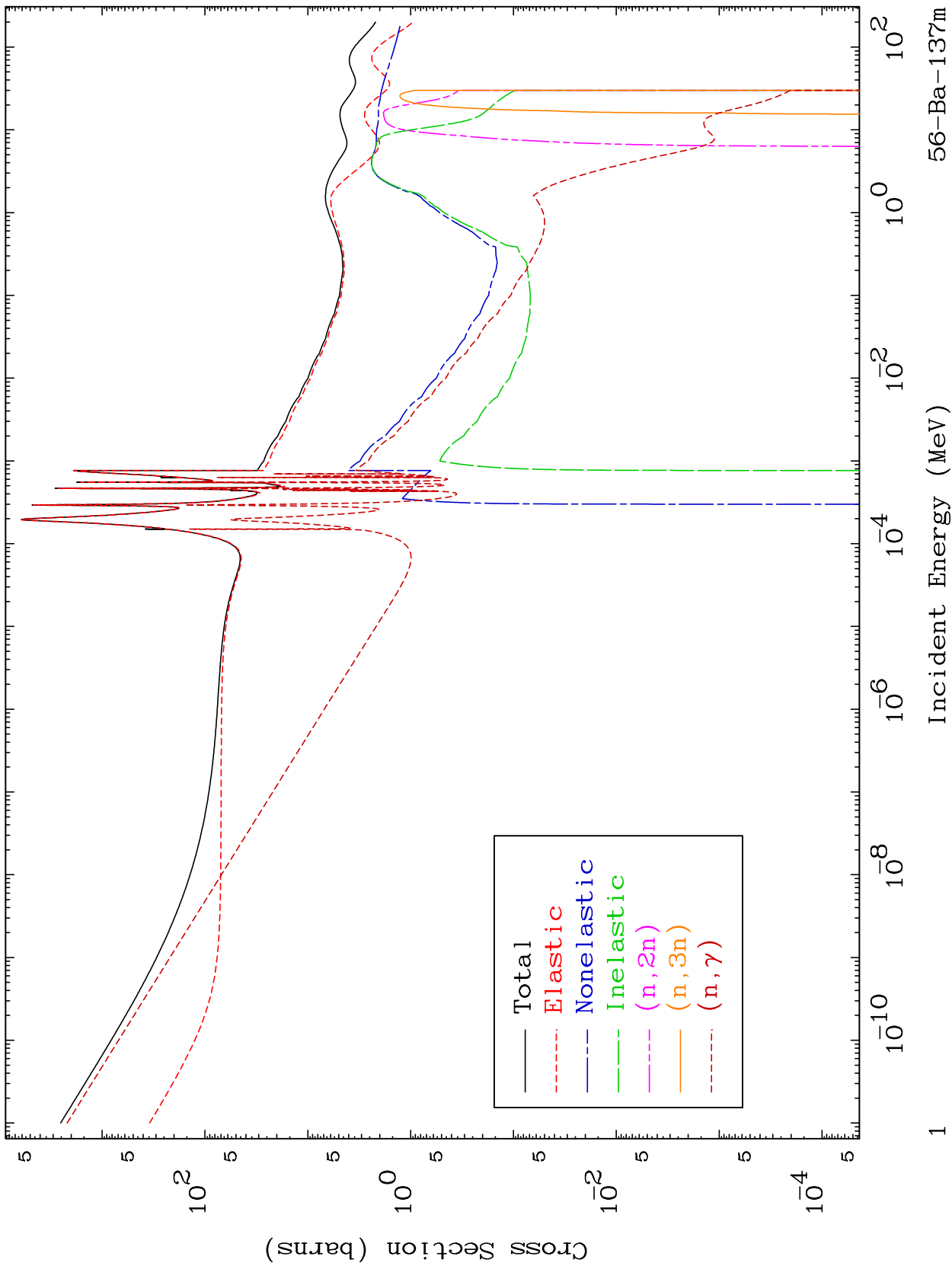
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5647

Neutron Major
293 Kelvin Cross Sections

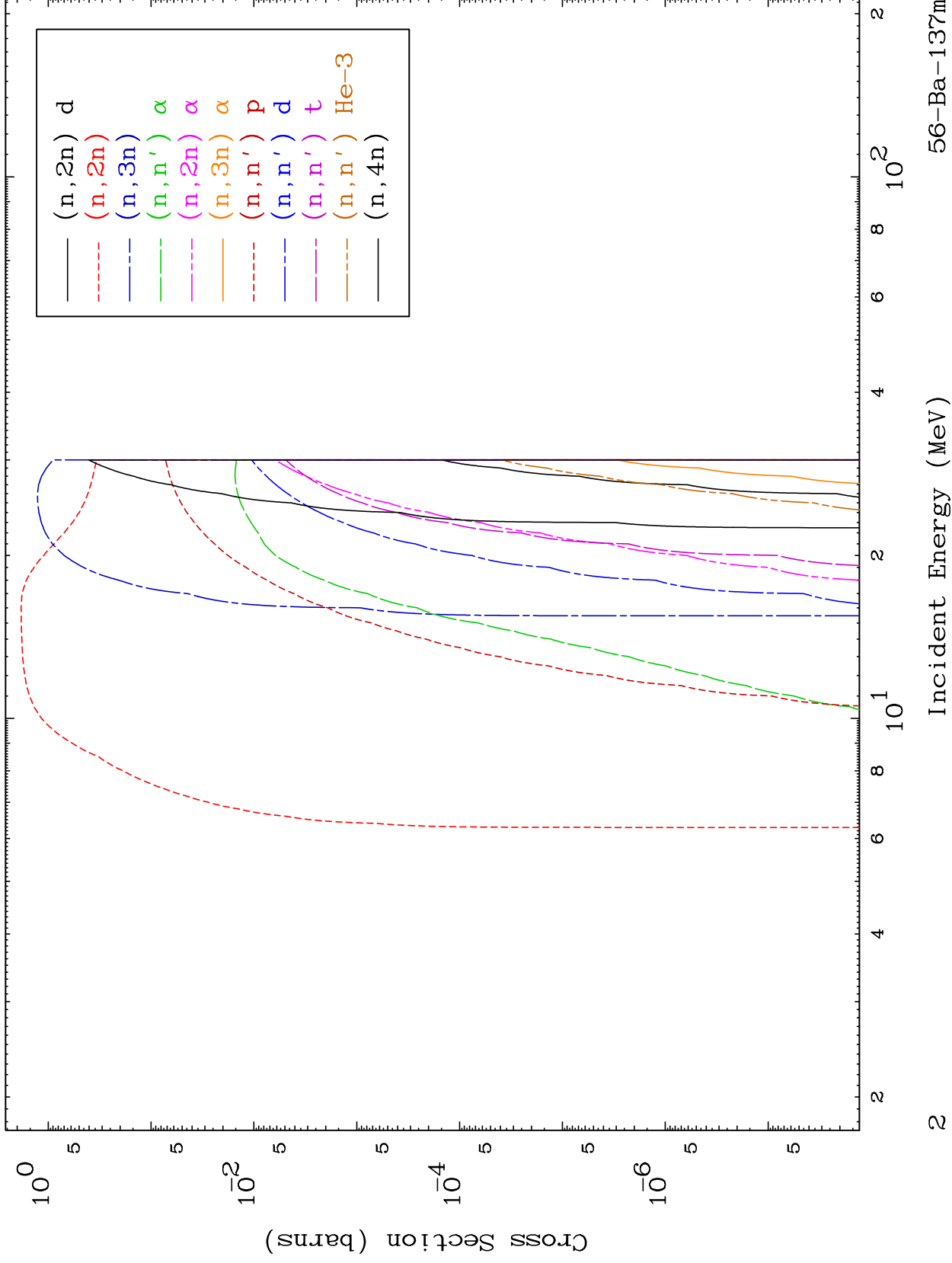
56-Ba-137m



MAT 5647

Neutron Absorption
293 Kelvin Cross Sections

56-Ba-137m



2

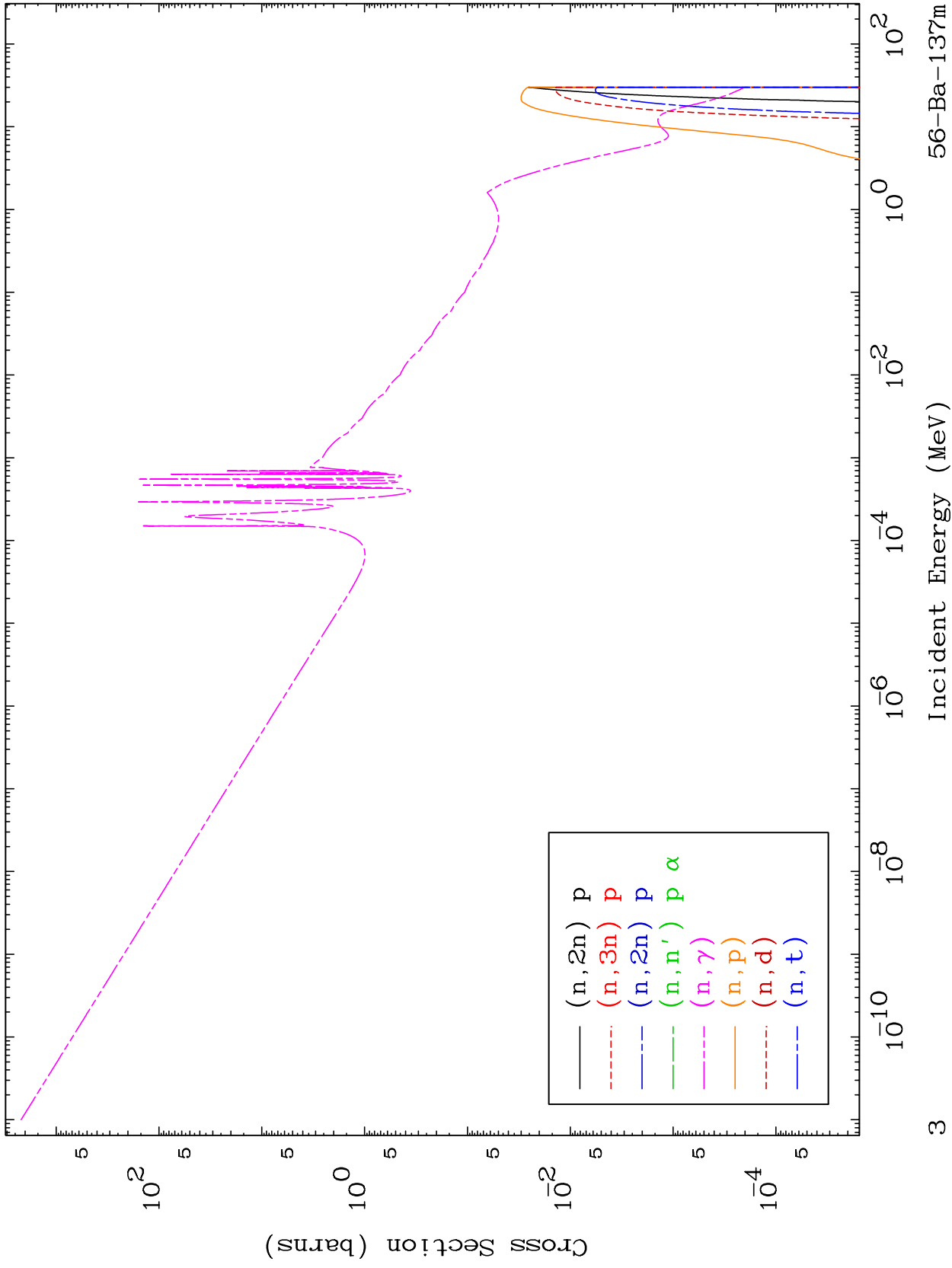
Incident Energy (MeV)

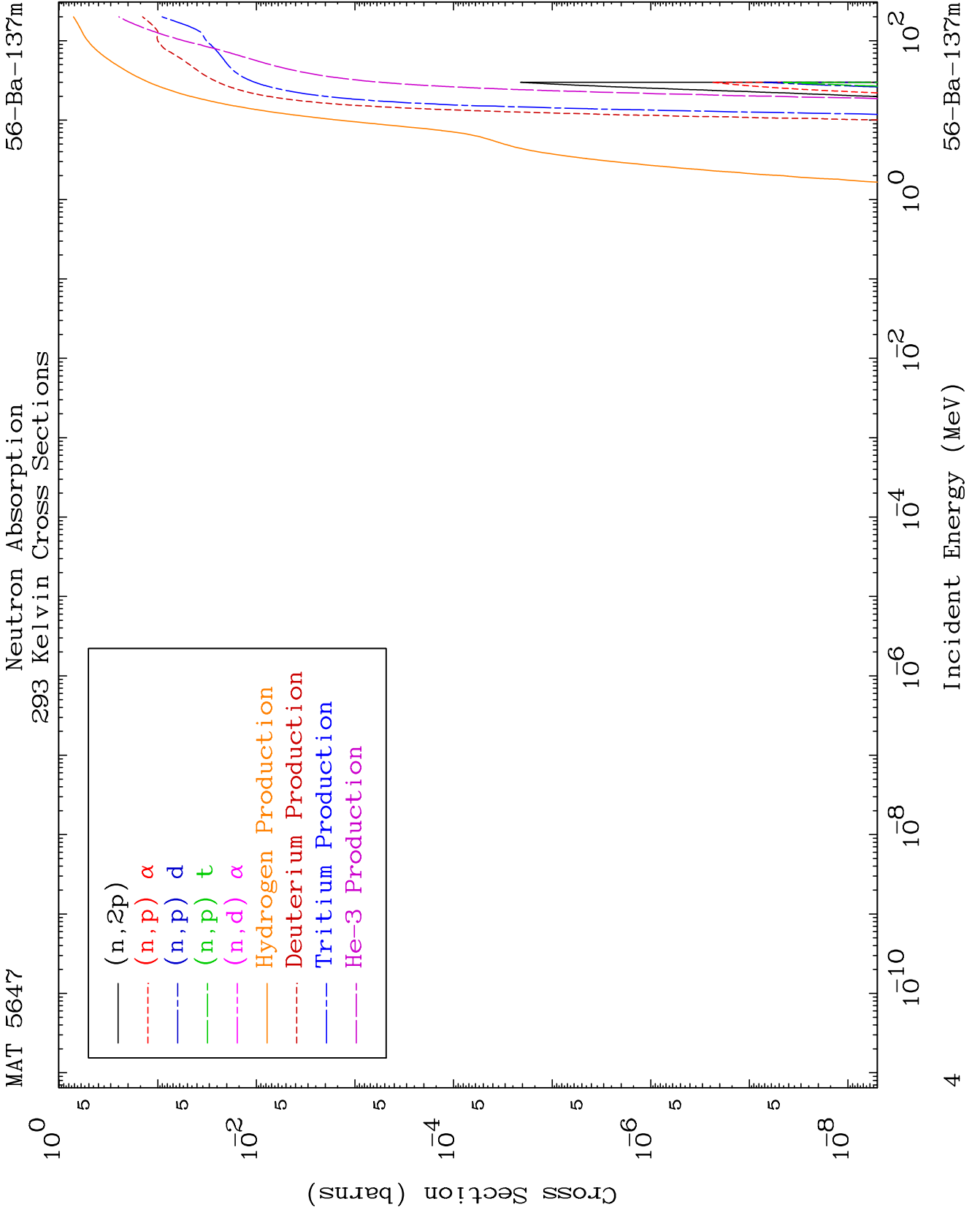
56-Ba-137m

MAT 5647

Neutron Absorption
293 Kelvin Cross Sections

56-Ba-137m

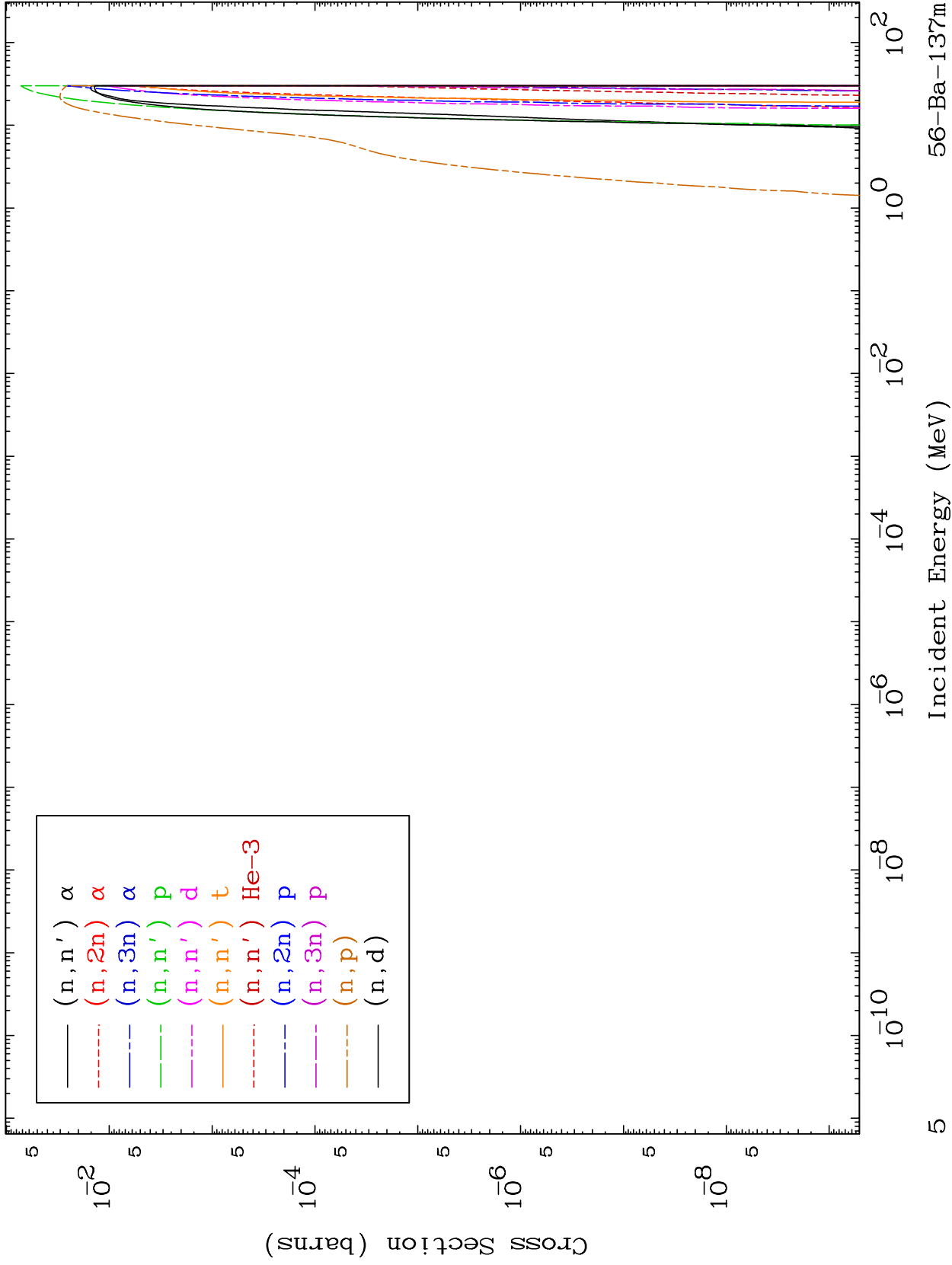




MAT 5647

Charged Particle
293 Kelvin Cross Sections

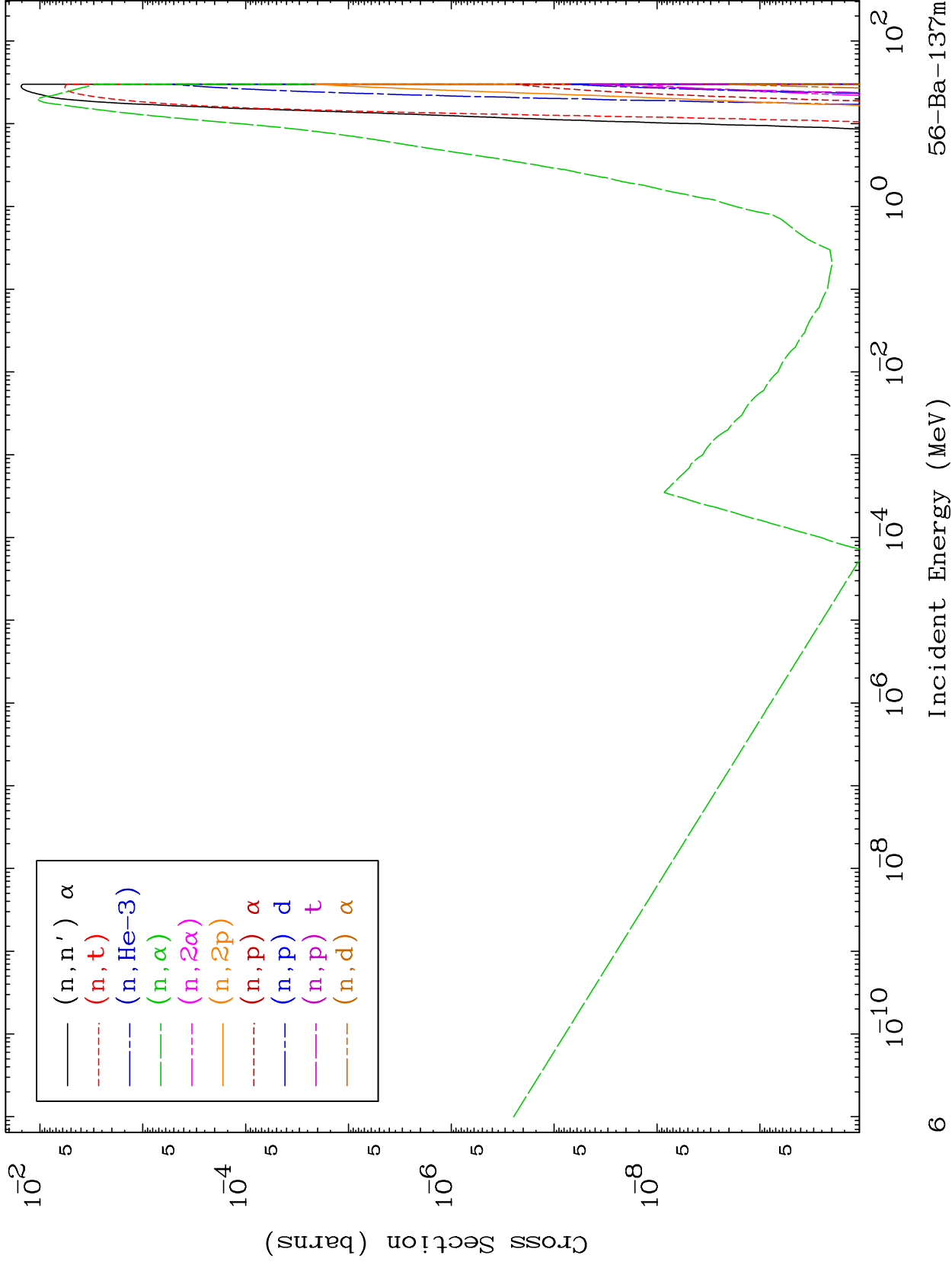
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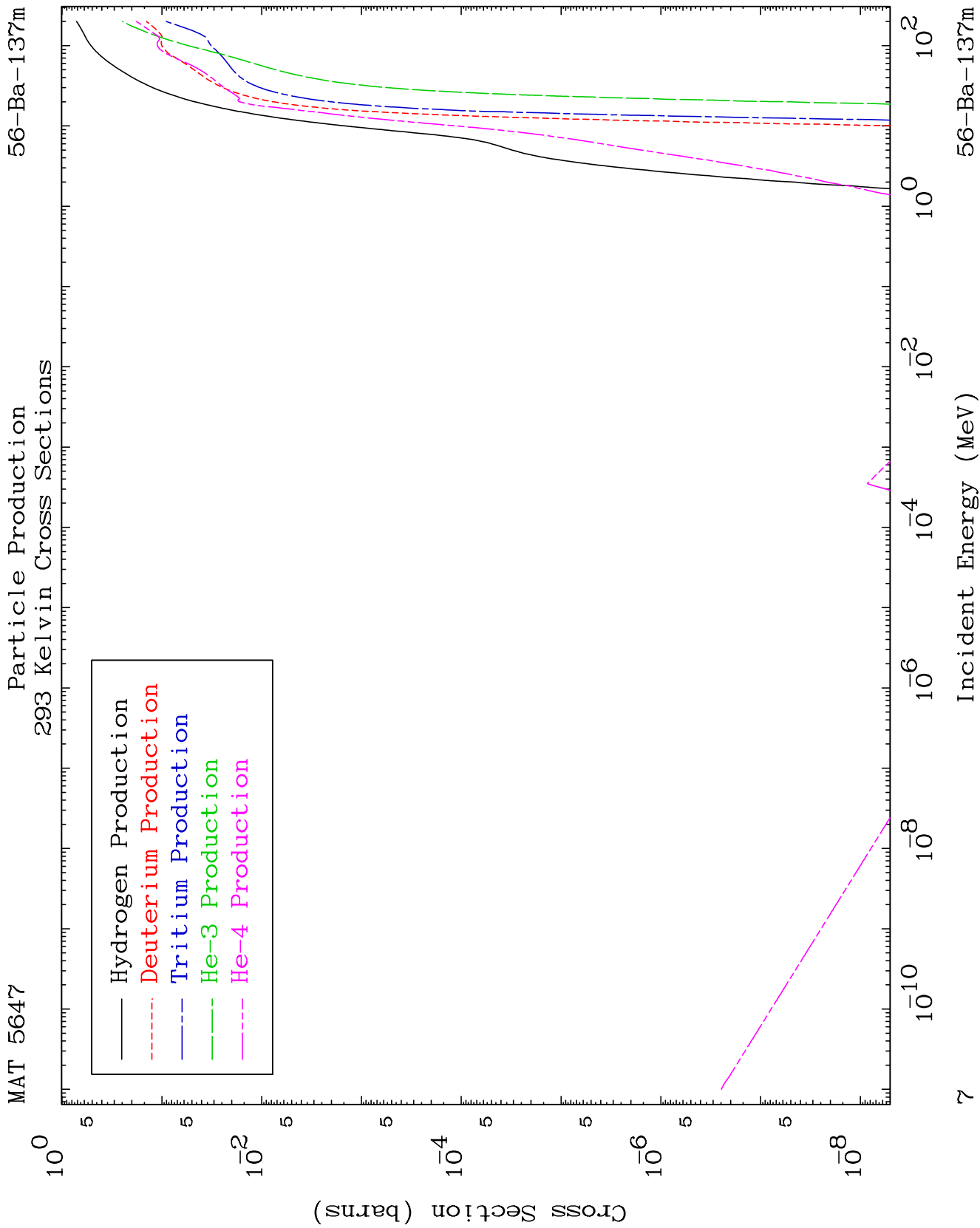


MAT 5647

Charged Particle
293 Kelvin Cross Sections

56-Ba-137m

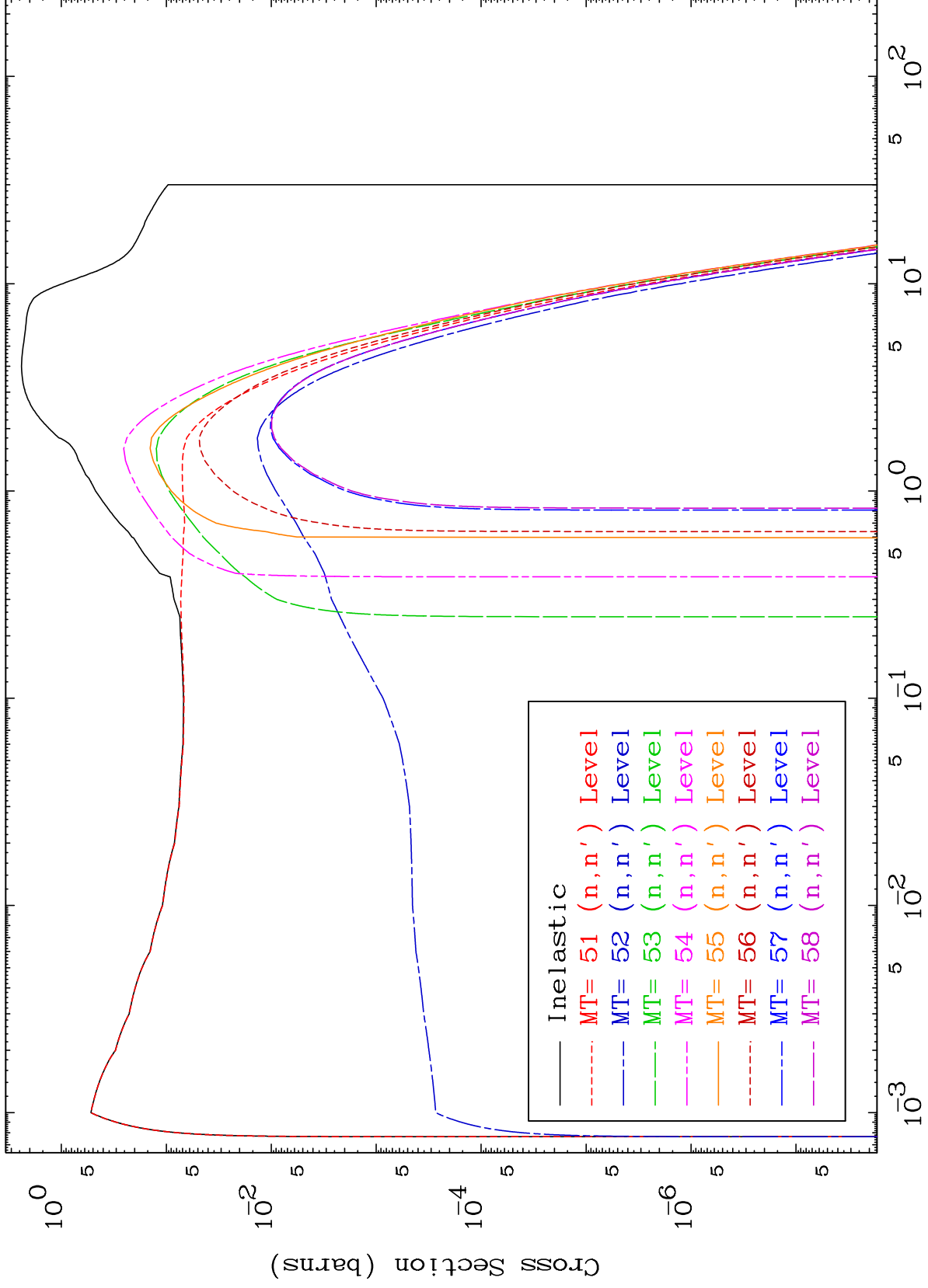




MAT 5647

(n,n') Levels
293 Kelvin Cross Sections

56-Ba-137m



8

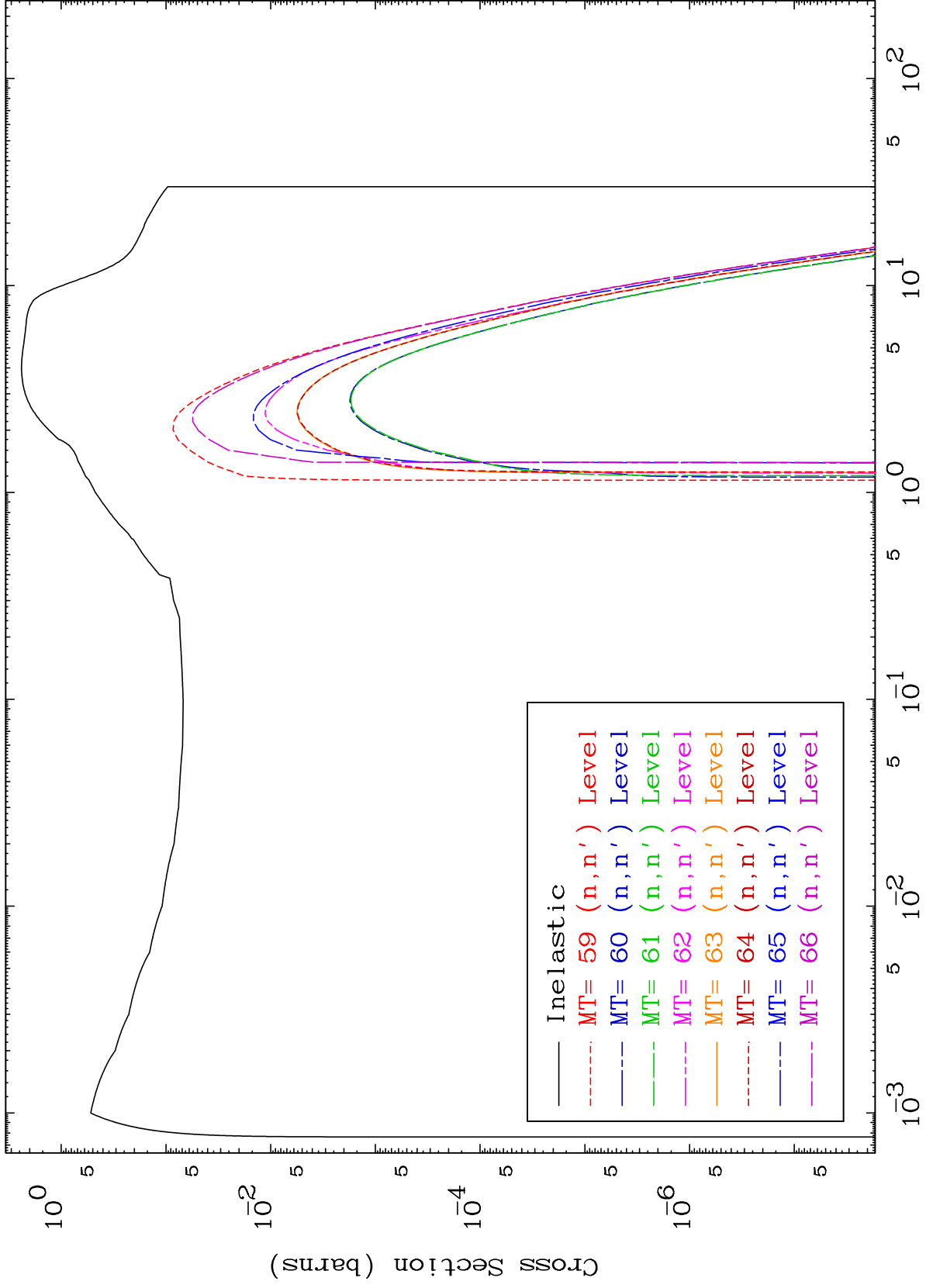
Incident Energy (MeV)

56-Ba-137m

MAT 5647

(n,n') Levels
293 Kelvin Cross Sections

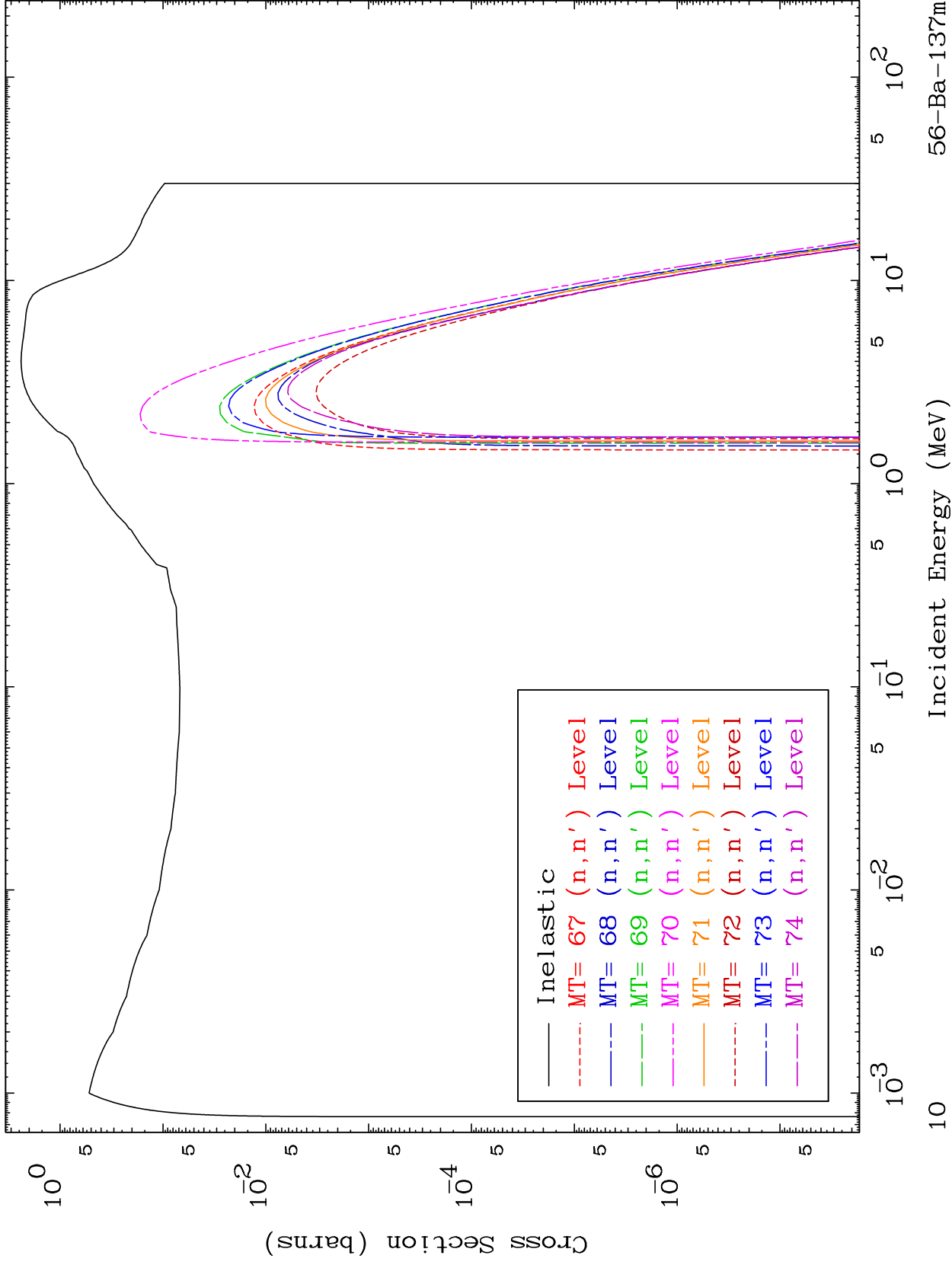
56-Ba-137m



MAT 5647

(n,n') Levels
293 Kelvin Cross Sections

56-Ba-137m



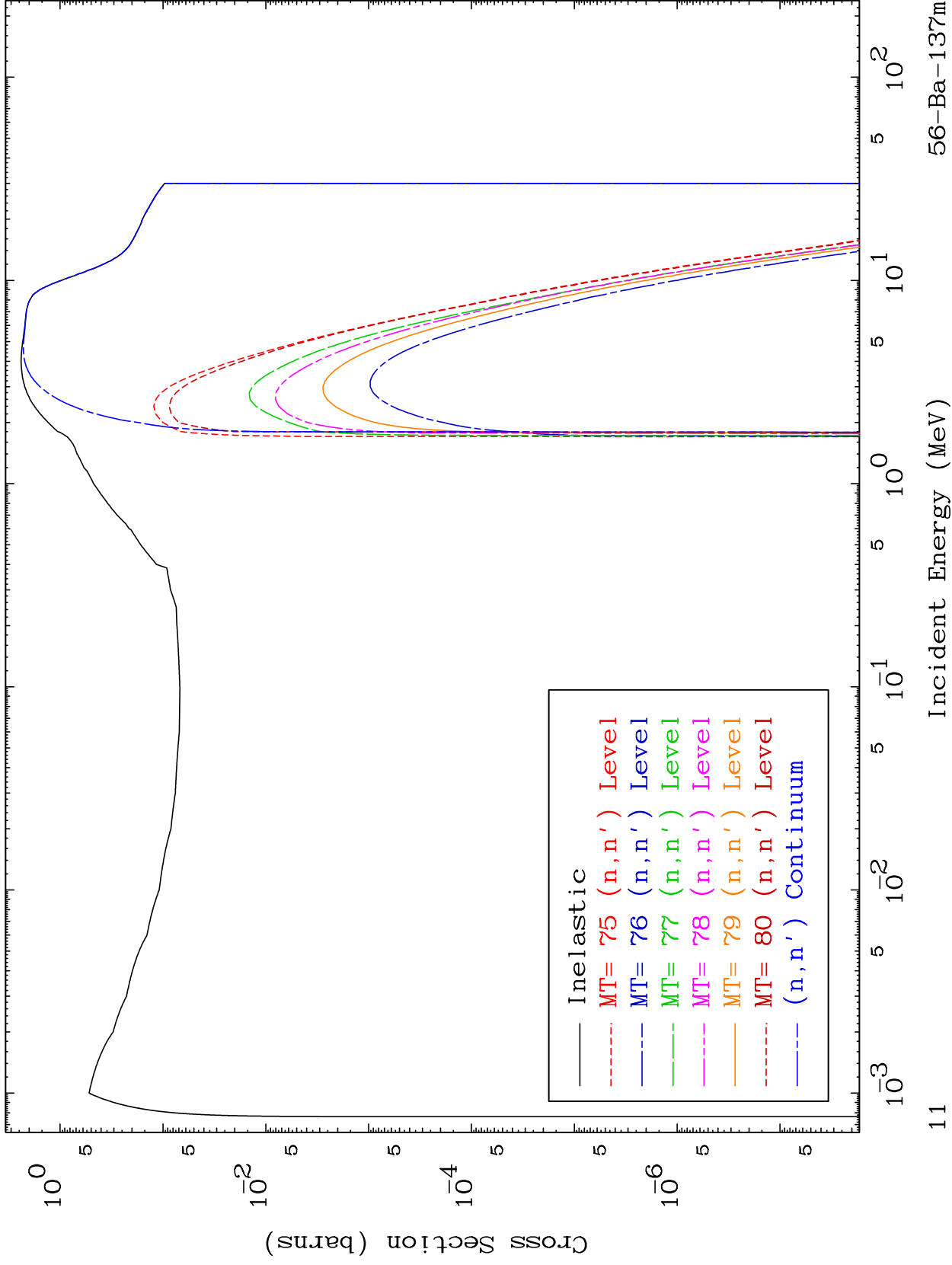
56-Ba-137m

Incident Energy (MeV)

MAT 5647

(n,n') Levels
293 Kelvin Cross Sections

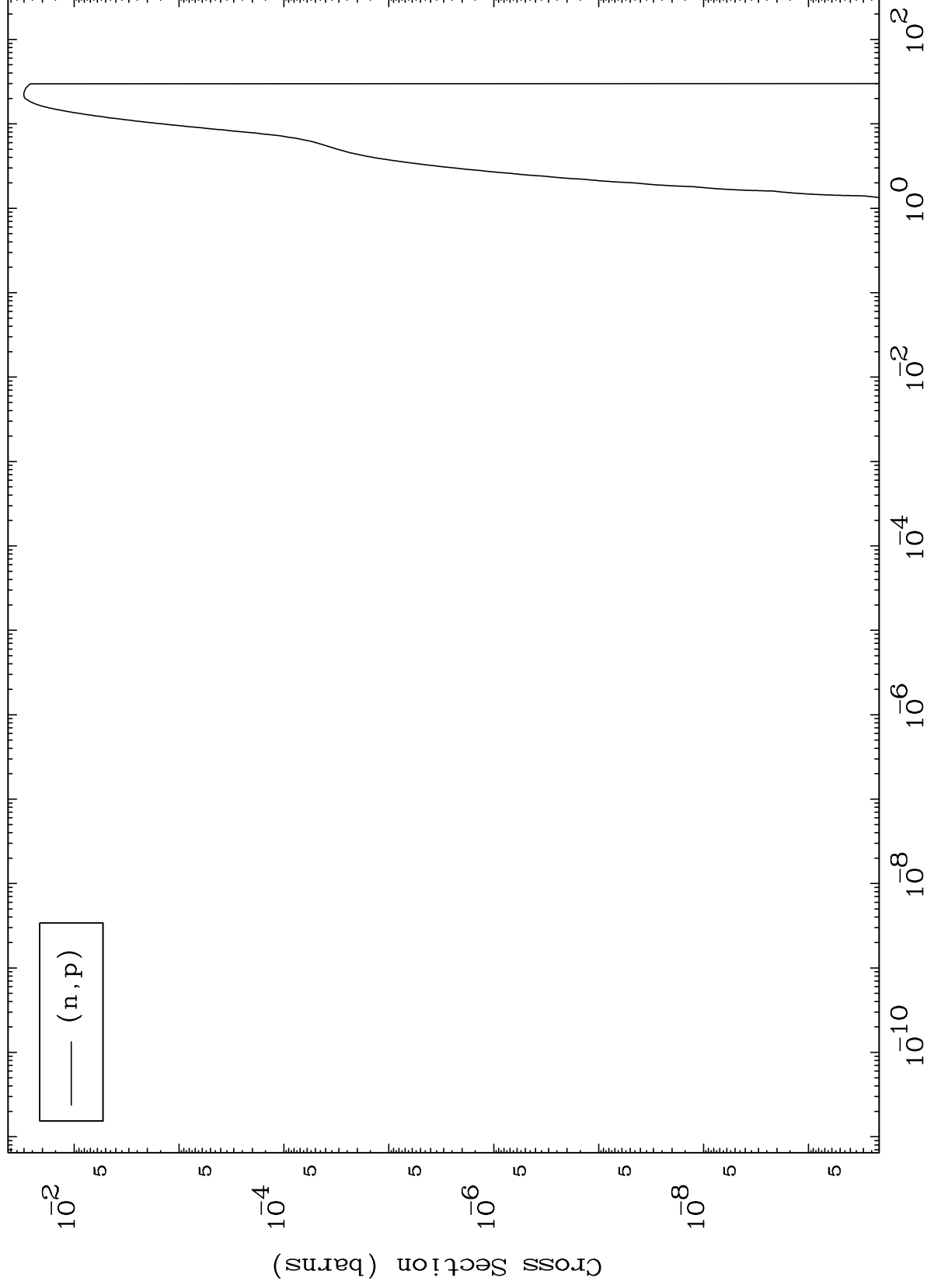
56-Ba-137m



MAT 5647

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-137m



12

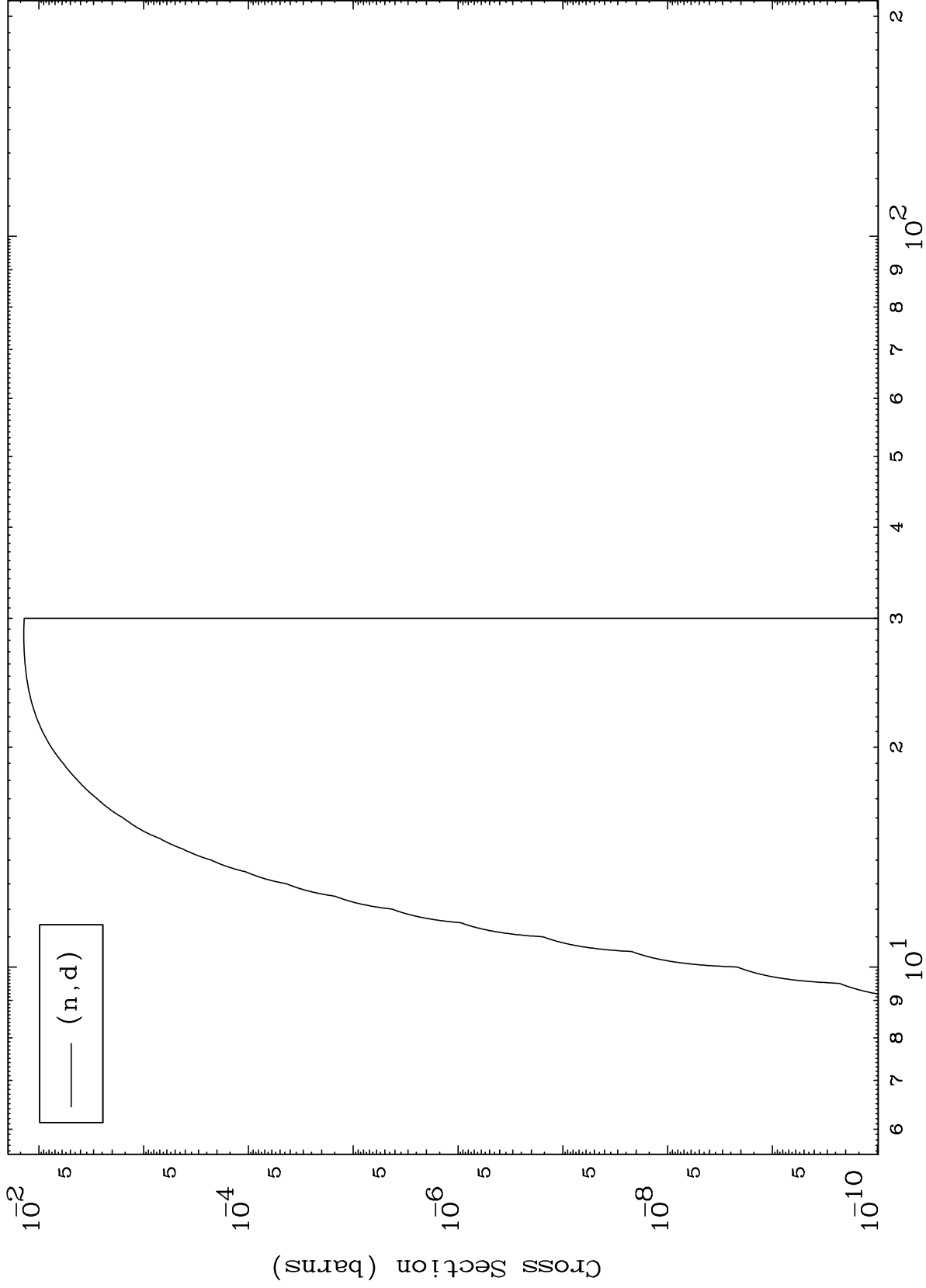
Incident Energy (MeV)

56-Ba-137m

MAT 5647

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-137m



13

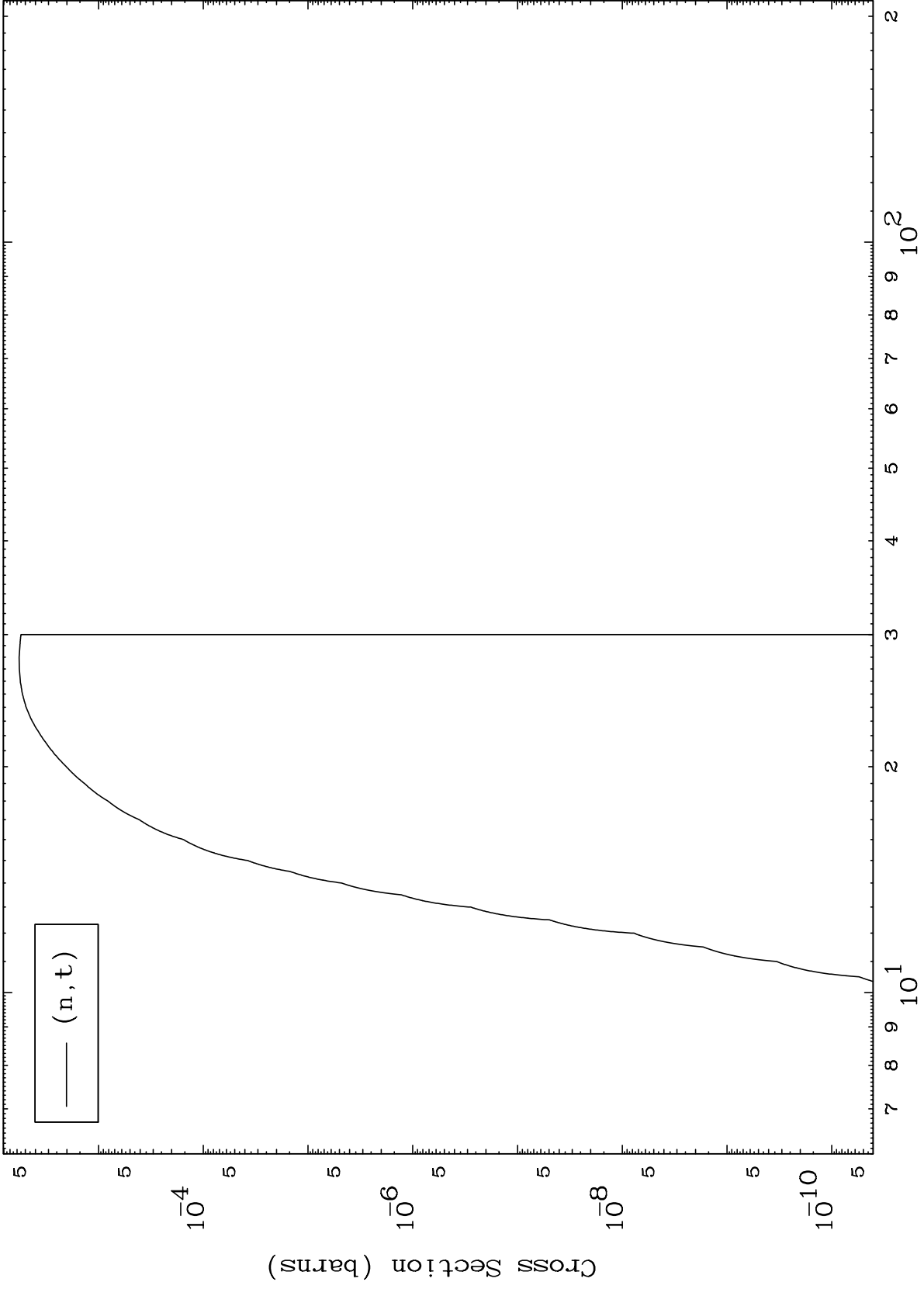
Incident Energy (MeV)

56-Ba-137m

MAT 5647

(n, t) Levels
293 Kelvin Cross Sections

56-Ba-137m



14

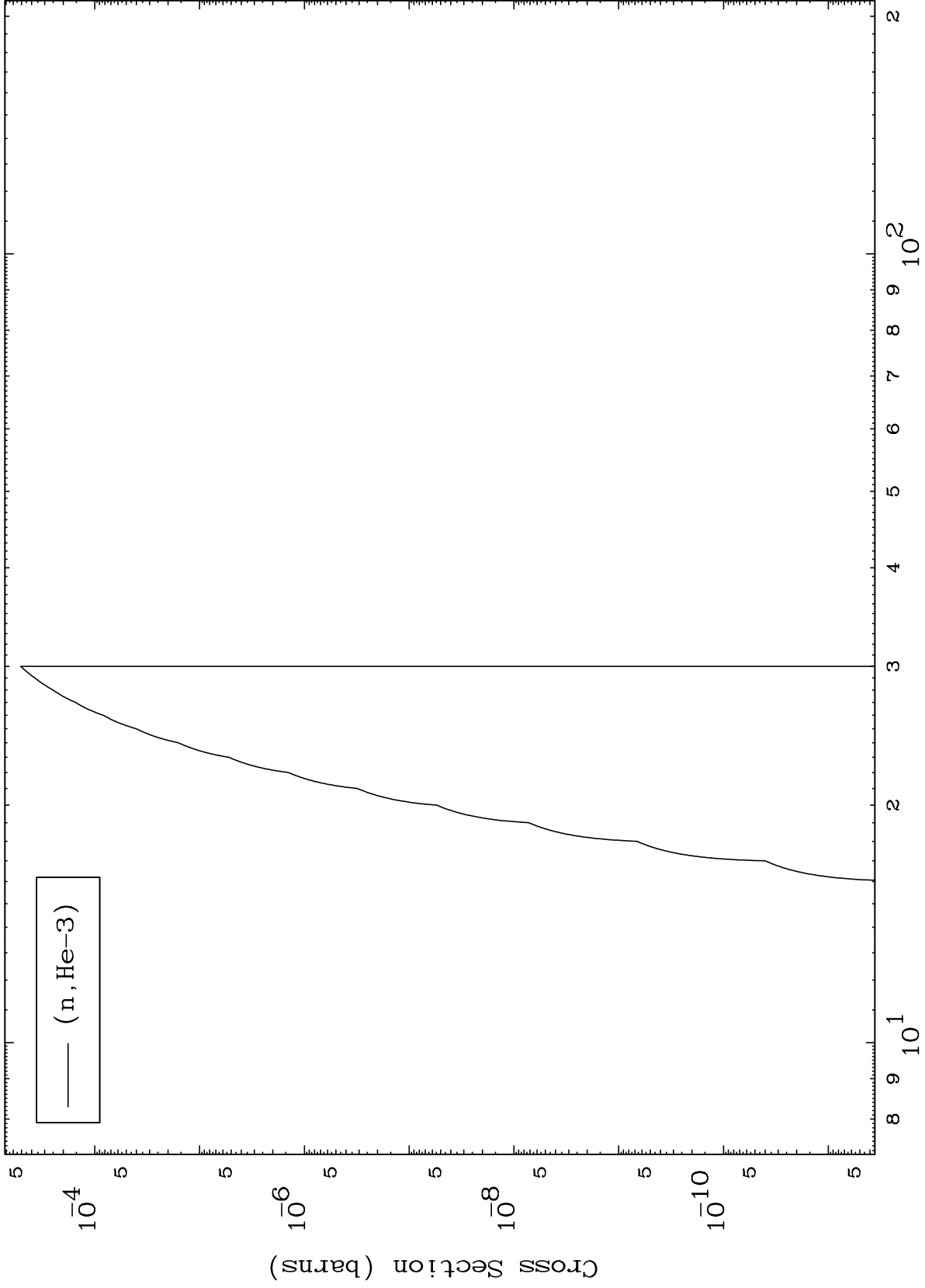
Incident Energy (MeV)

56-Ba-137m

MAT 5647

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-137m



15

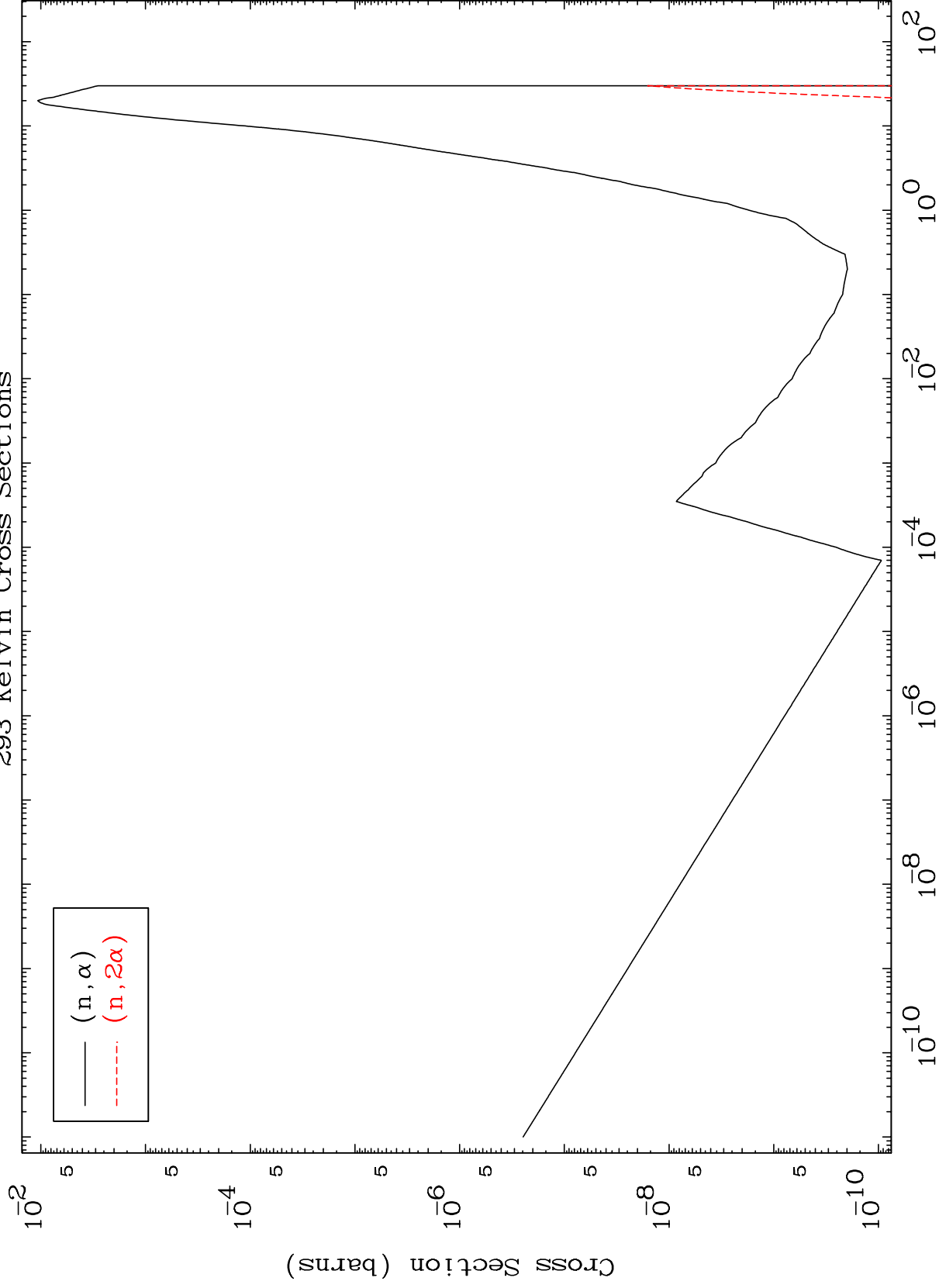
Incident Energy (MeV)

56-Ba-137m

MAT 5647

(n, α) Levels
293 Kelvin Cross Sections

56-Ba-137m



16

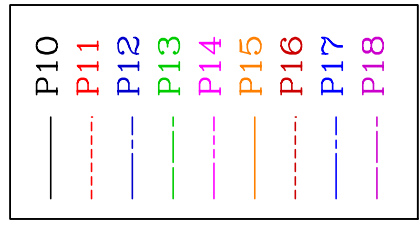
Incident Energy (MeV)

56-Ba-137m

MAT 5647

Elastic Legendre Coefficients

56-Ba-137m

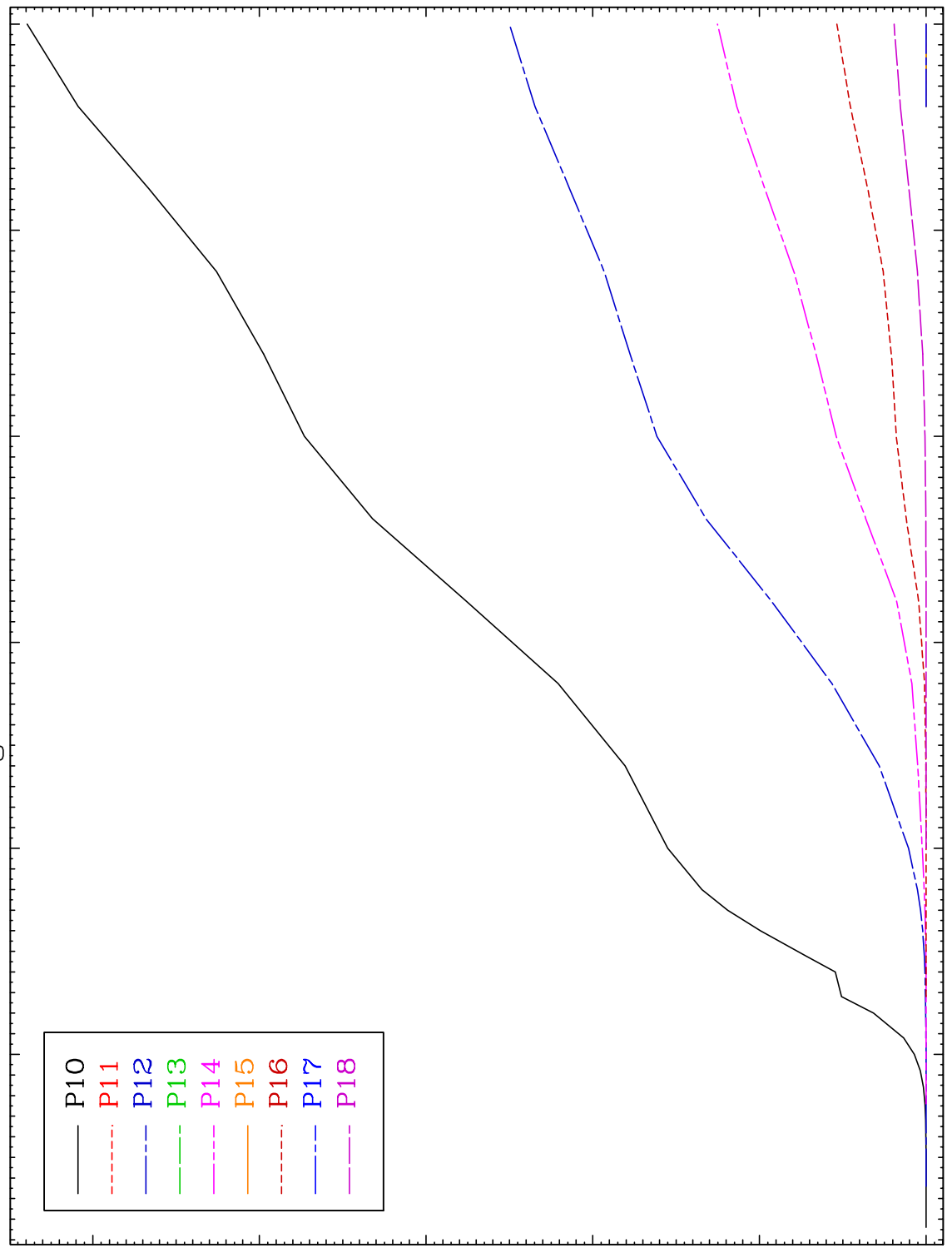


Legendre (CM) $\times 10^{-4}$

18

Incident Energy (MeV)

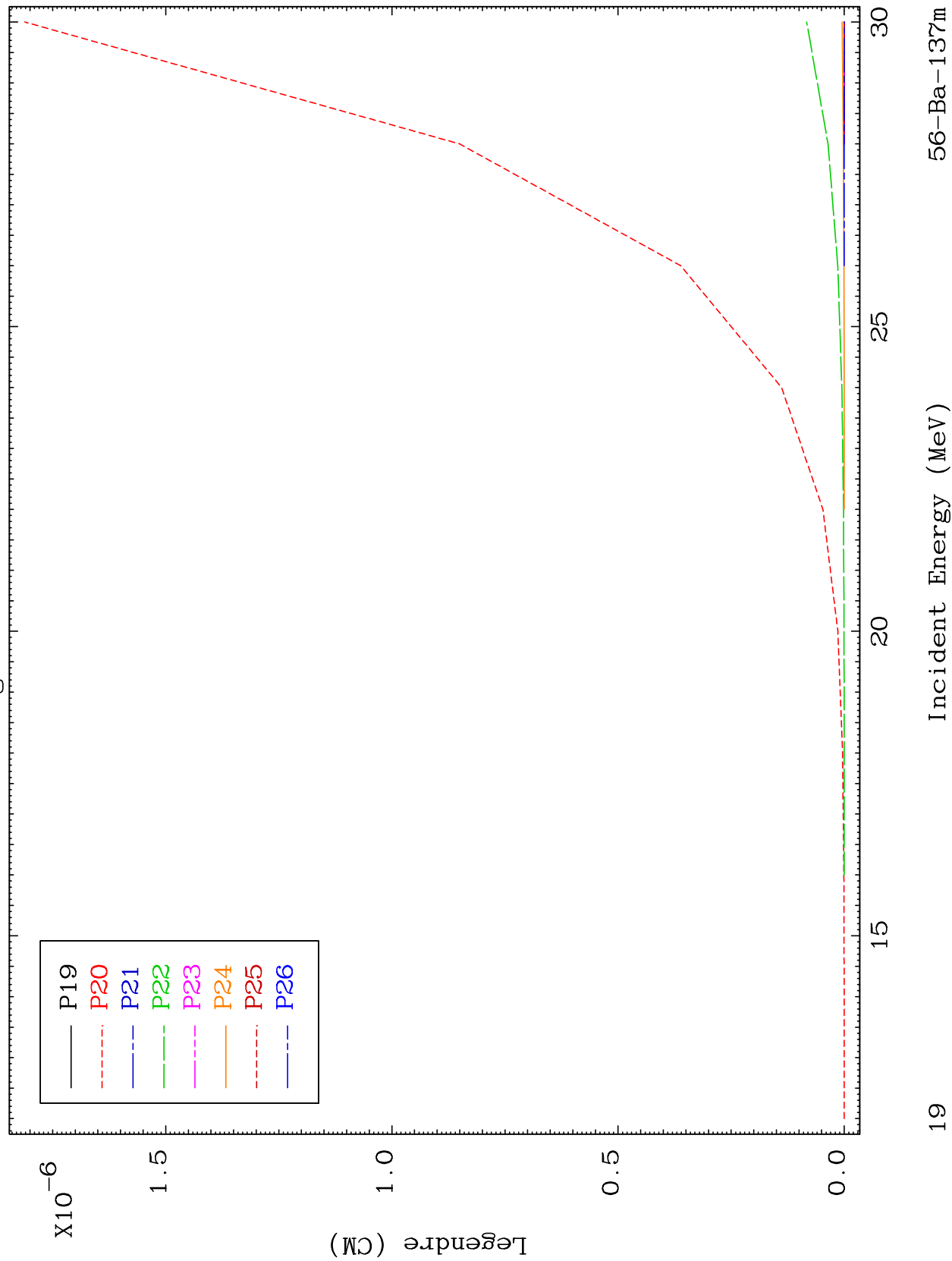
56-Ba-137m



MAT 5647

Elastic Legendre Coefficients

56-Ba-137m



19

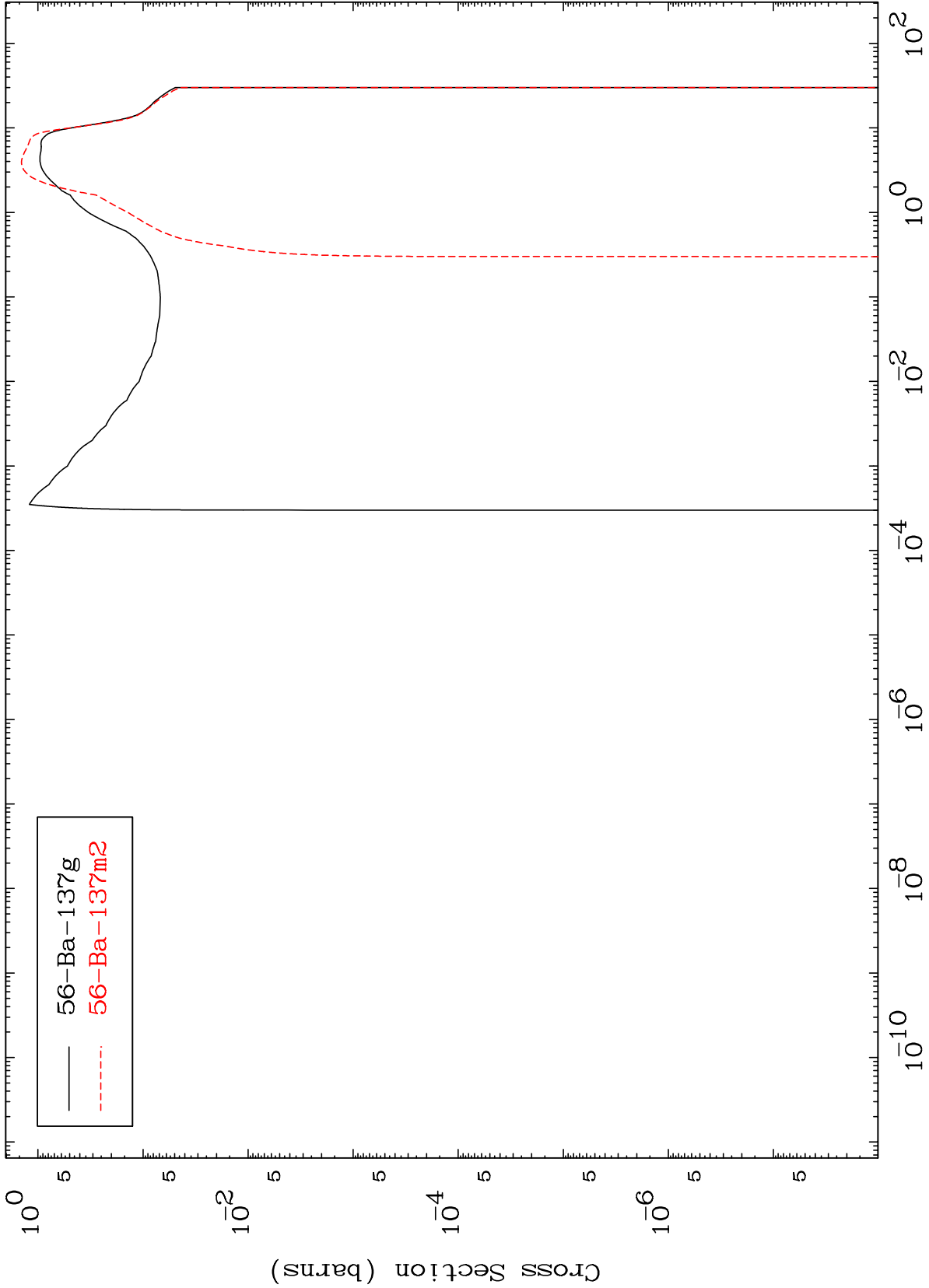
Incident Energy (MeV)

56-Ba-137m

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Inelastic
Radionuclide Production Cross Section

56-Ba-137m

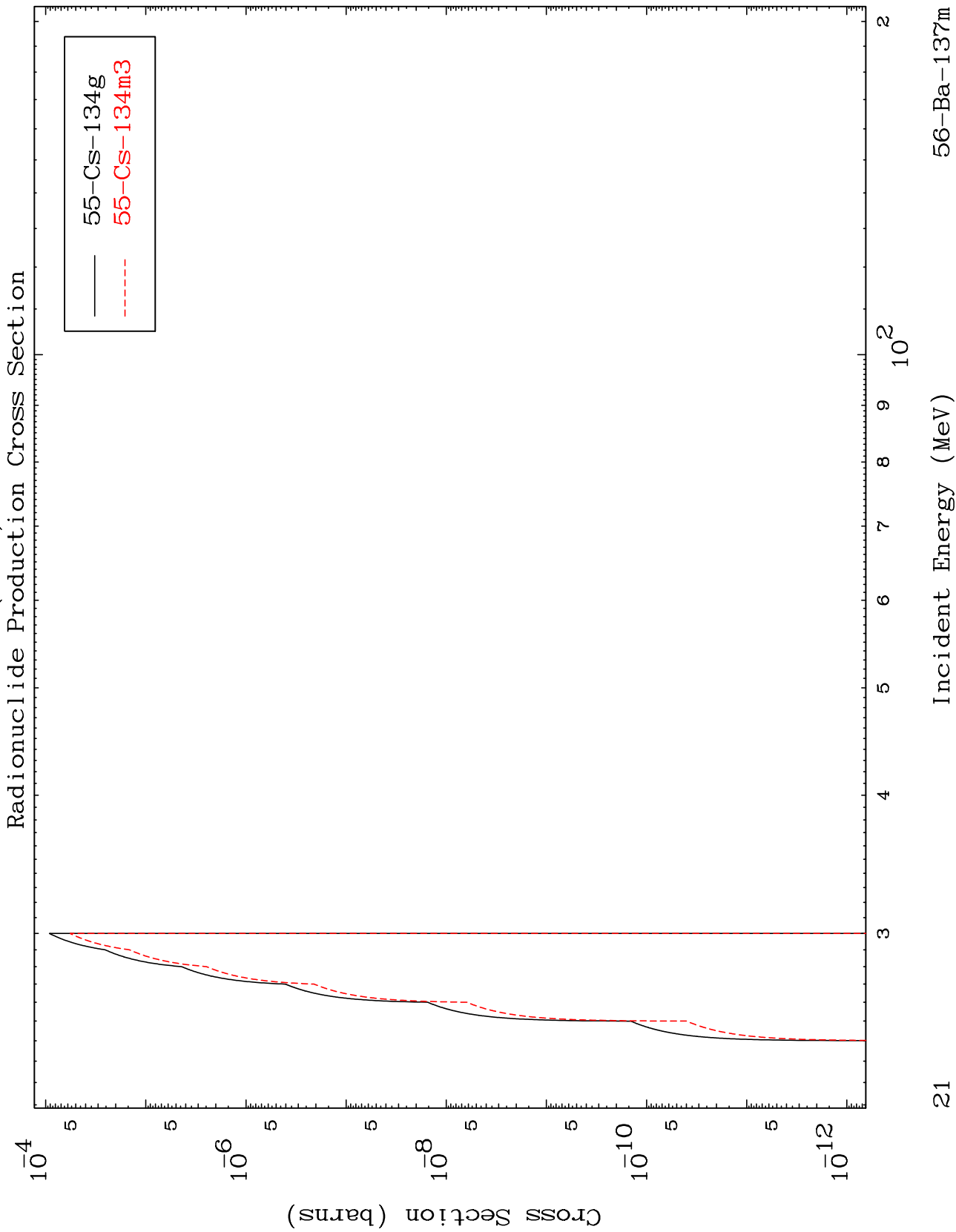


56-Ba-137m

MAT 5647

(n,2n) d

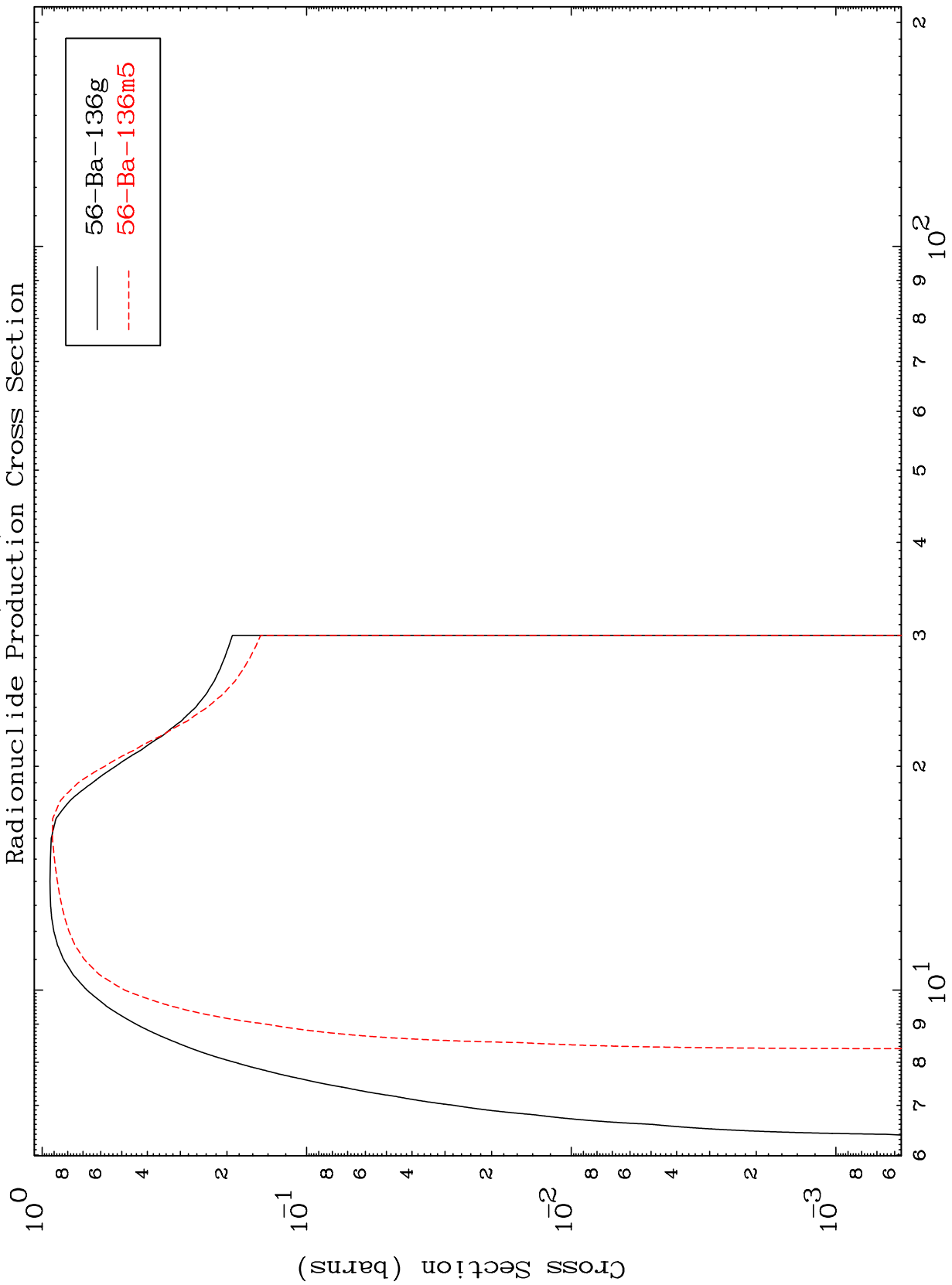
56-Ba-137m



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56-Ba-137m

(n,2n)
Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

56-Ba-137m

Incident Energy (MeV)

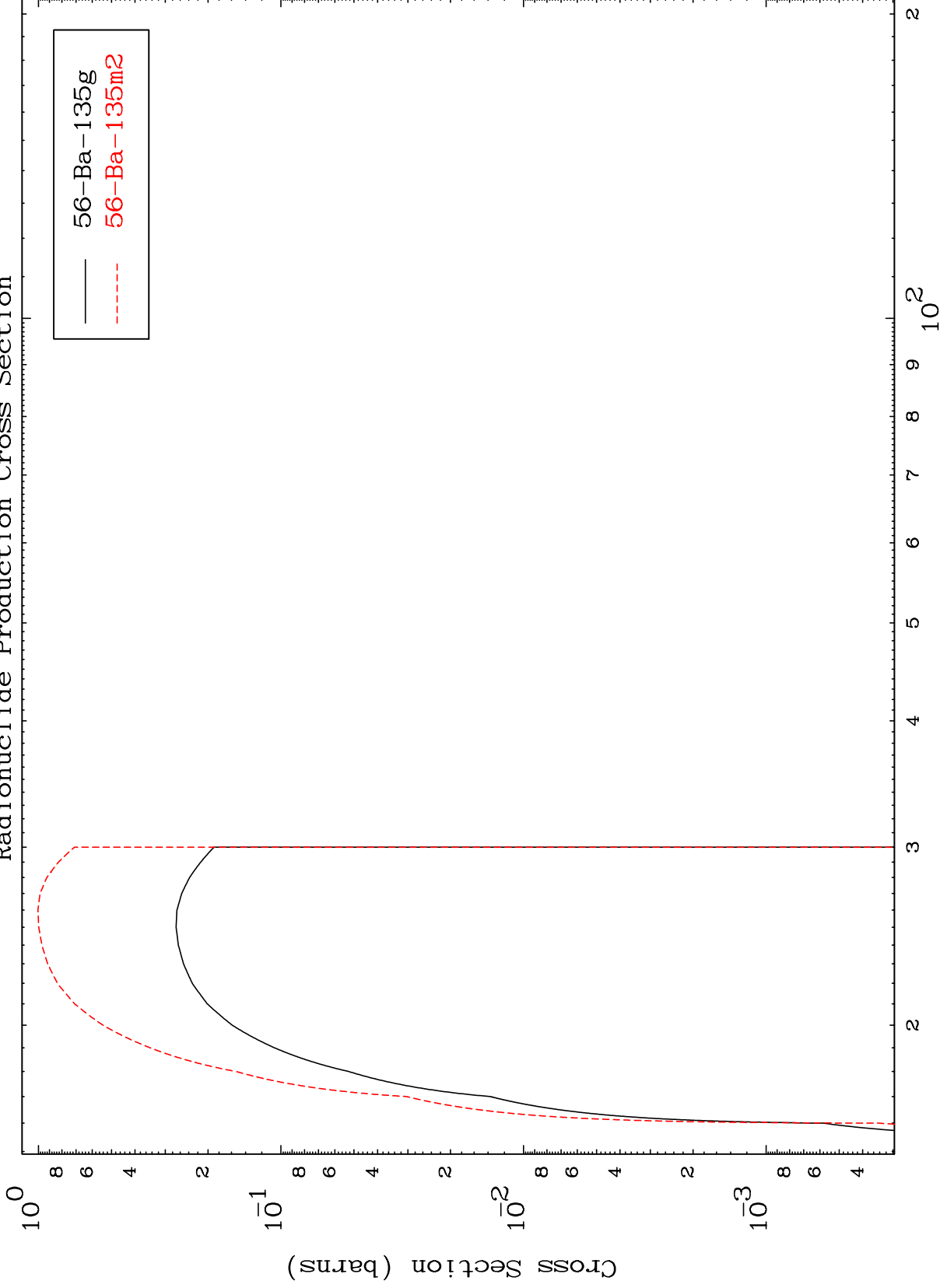
22

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(n,3n)

56-Ba-137m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

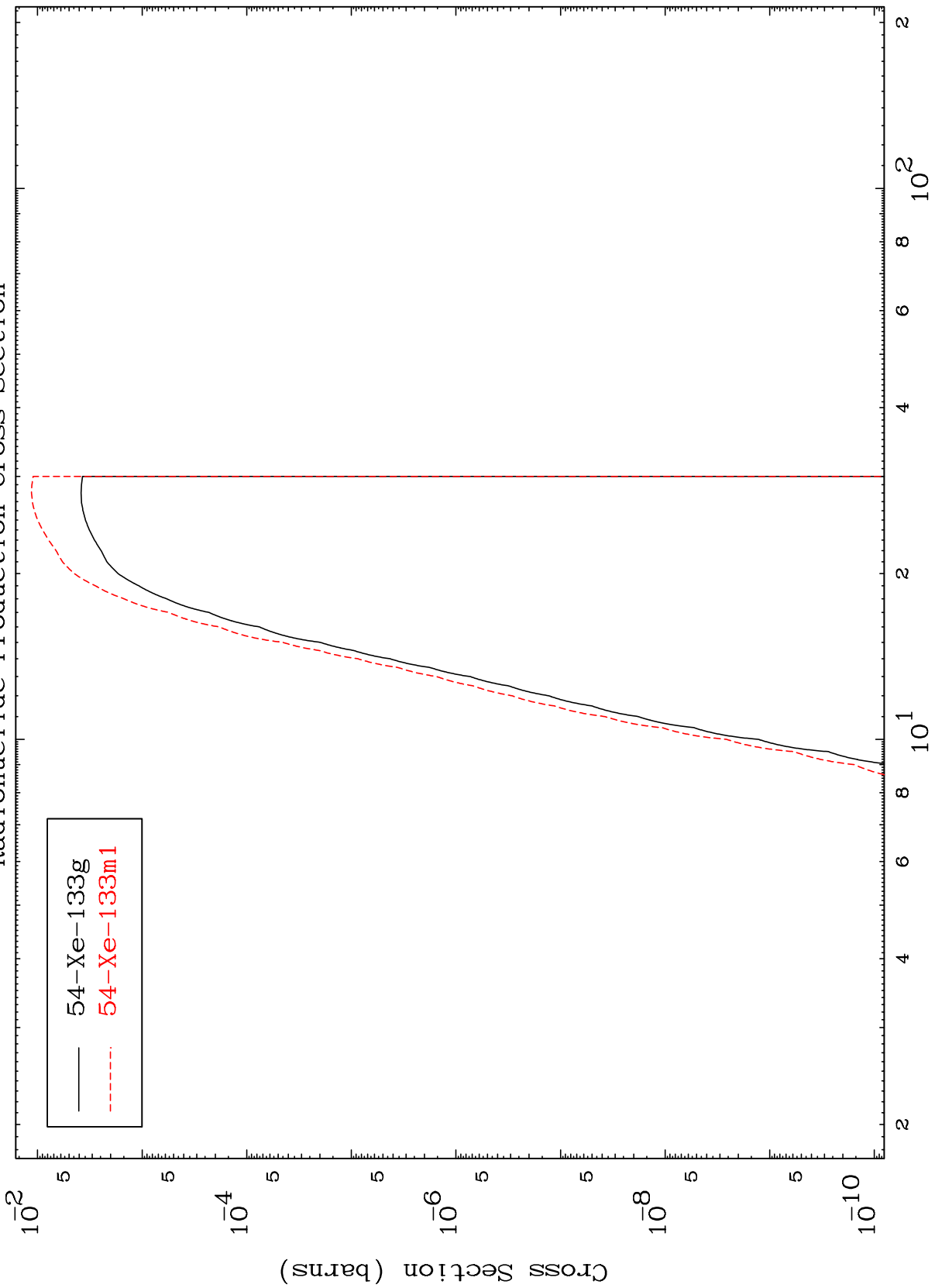
56-Ba-137m

MAT 5647

(n,n') α

56-Ba-137m

Radionuclide Production Cross Section

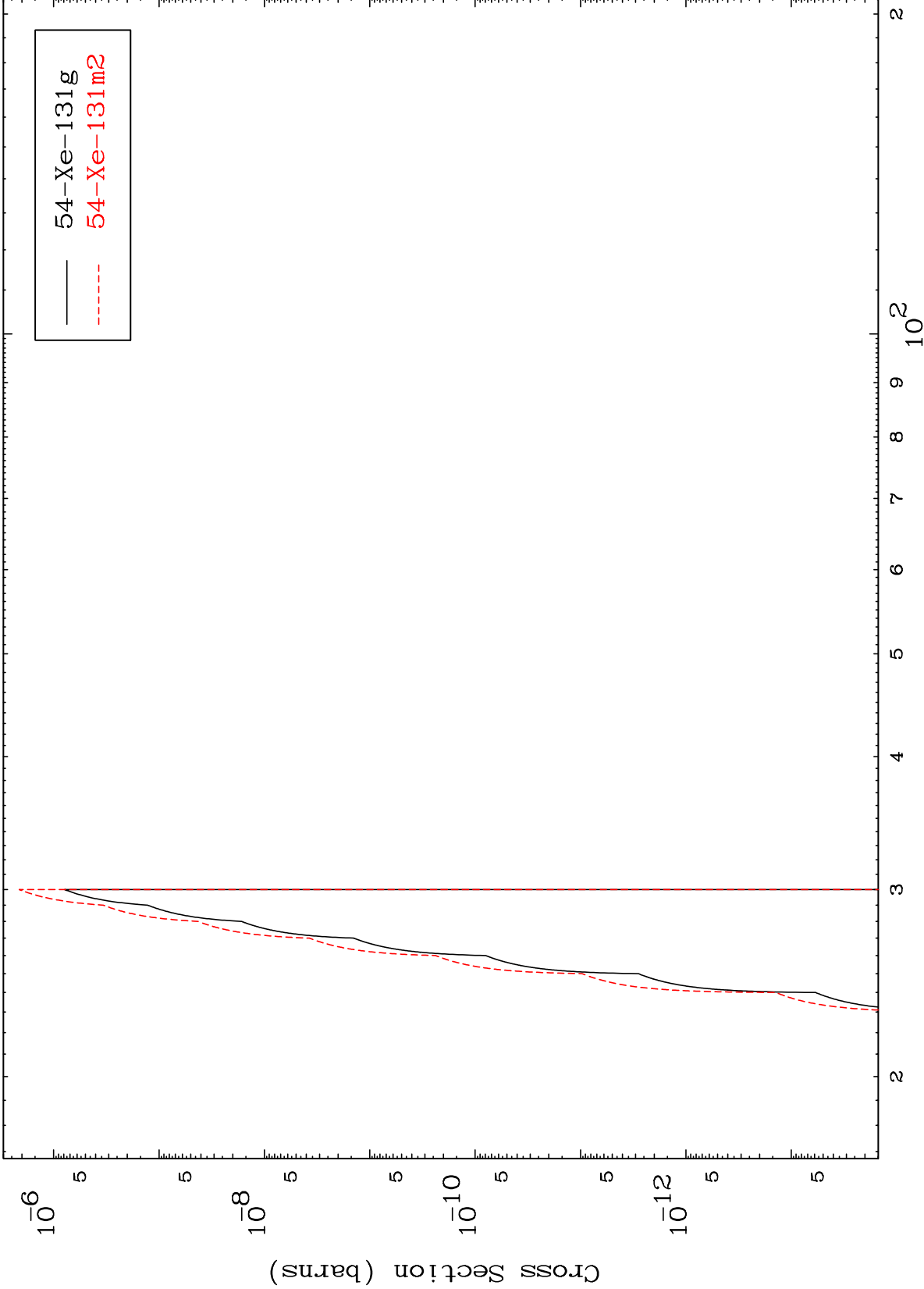


MAT 5647

(n,3n) α

56-Ba-137m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

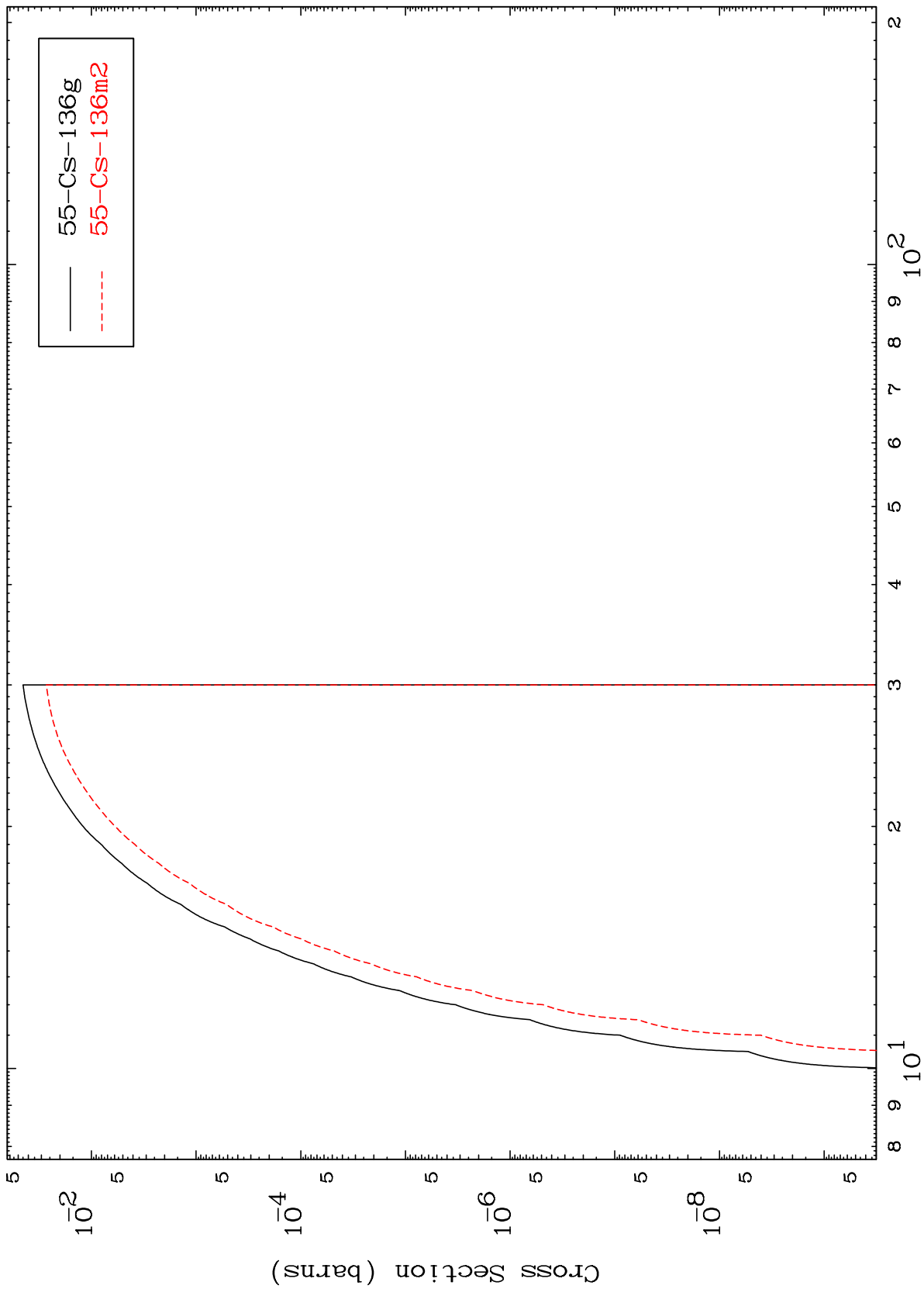
56-Ba-137m

MAT 5647

(n,n') p

56-Ba-137m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

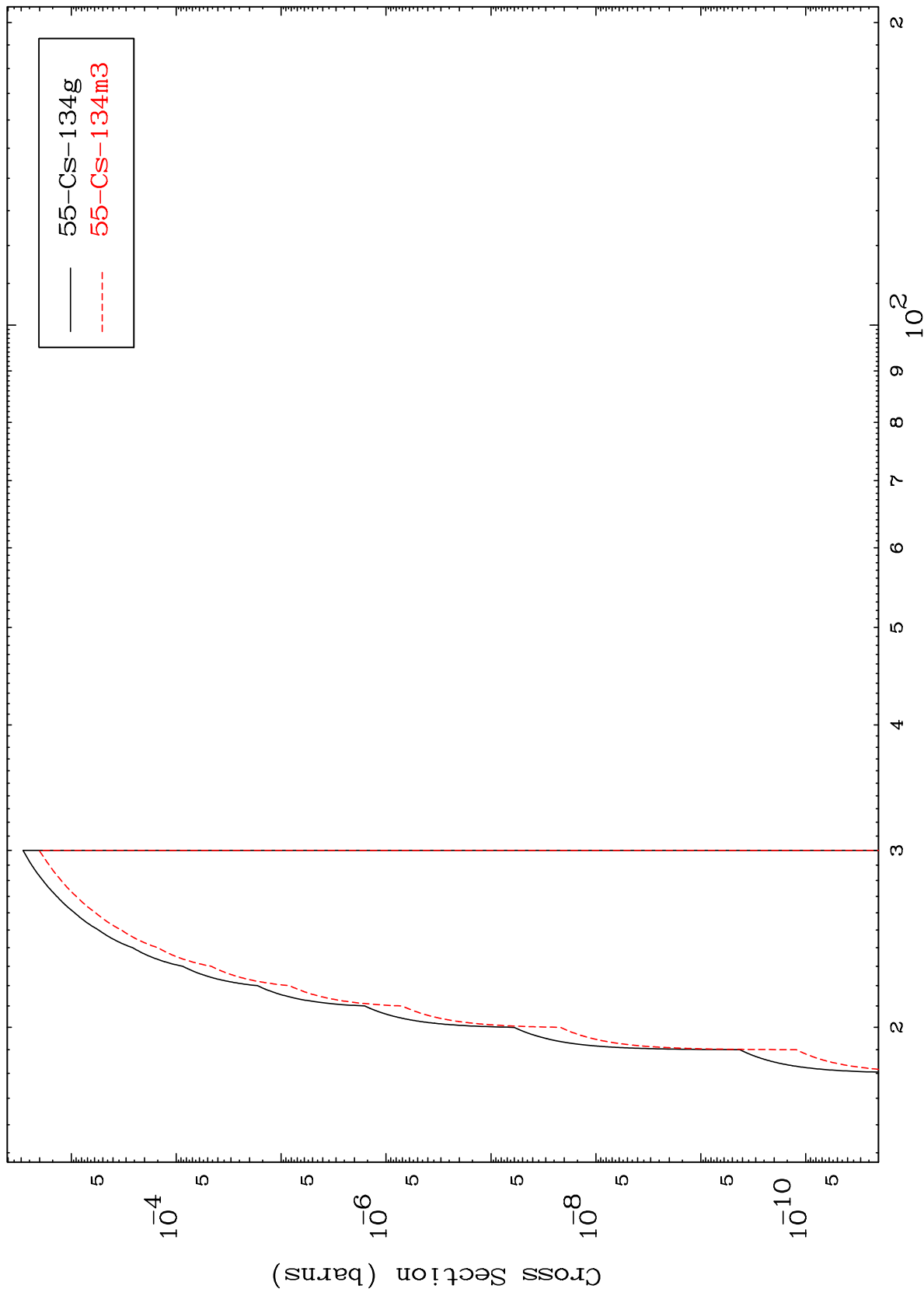
56-Ba-137m

MAT 5647

(n,n') t

56-Ba-137m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

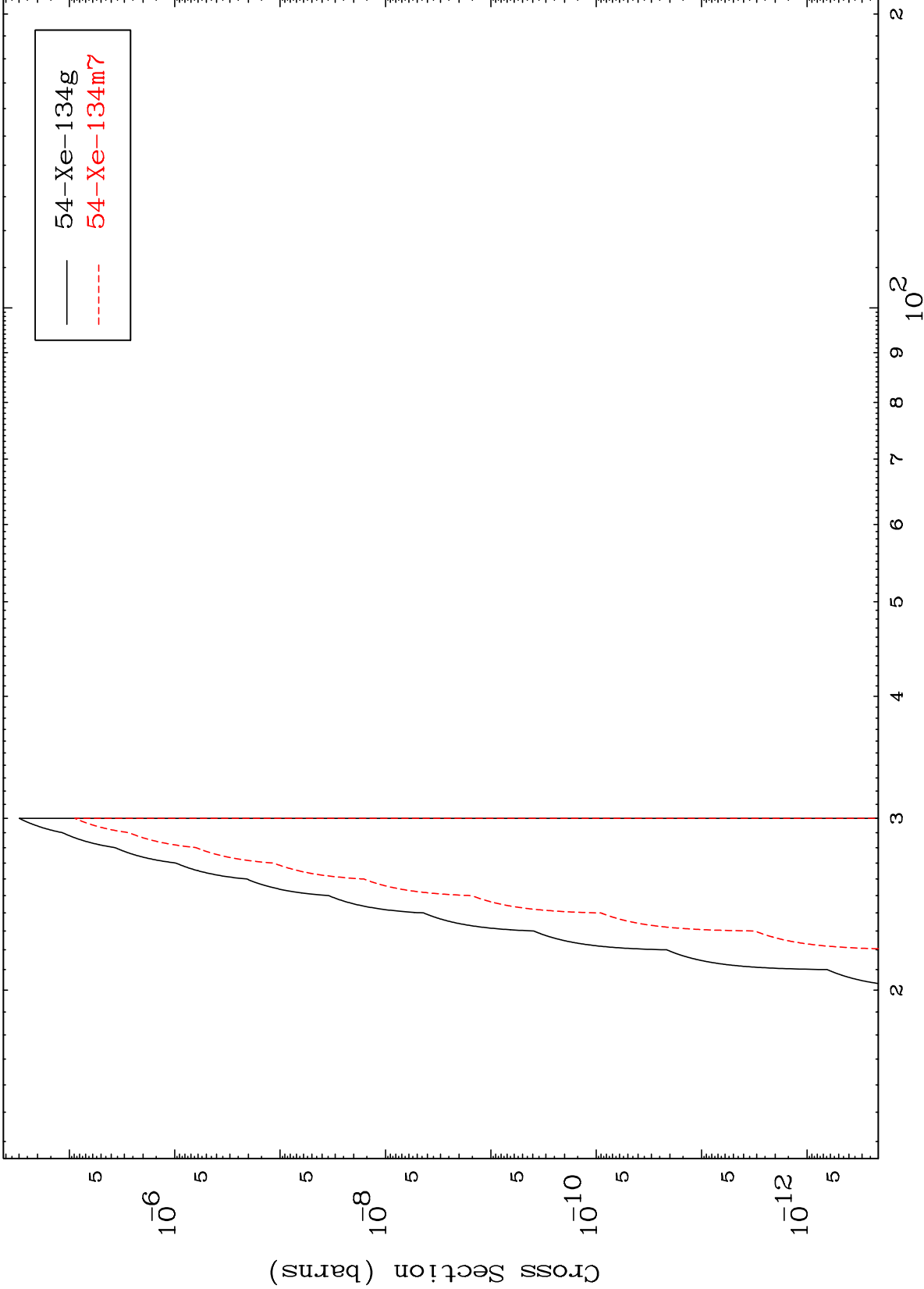
56-Ba-137m

MAT 5647

(n,n') He-3

56-Ba-137m

Radionuclide Production Cross Section



28

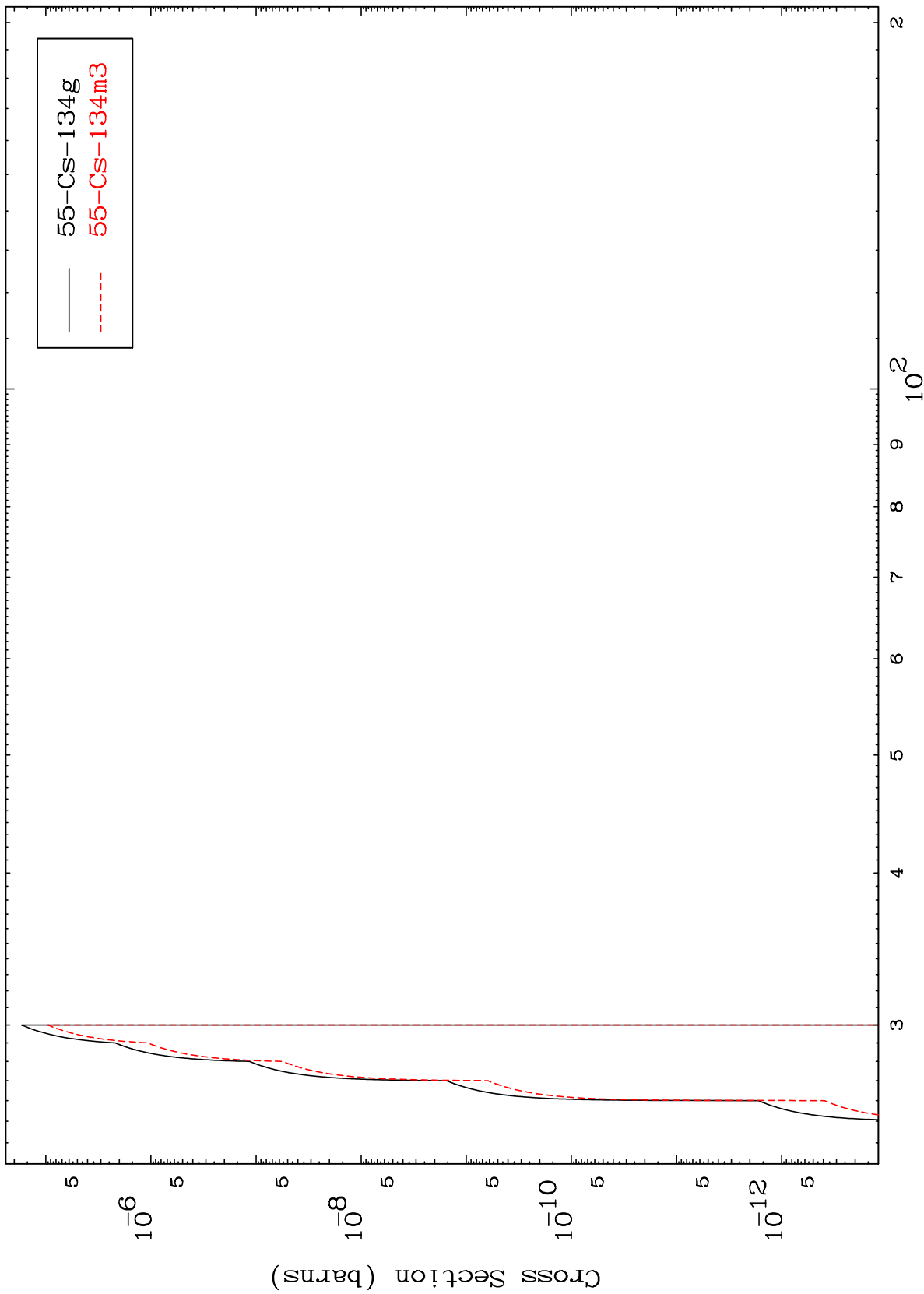
Incident Energy (MeV)

56-Ba-137m

MAT 5647

56-Ba-137m

(n,3n) p
Radionuclide Production Cross Section



56-Ba-137m

Incident Energy (MeV)

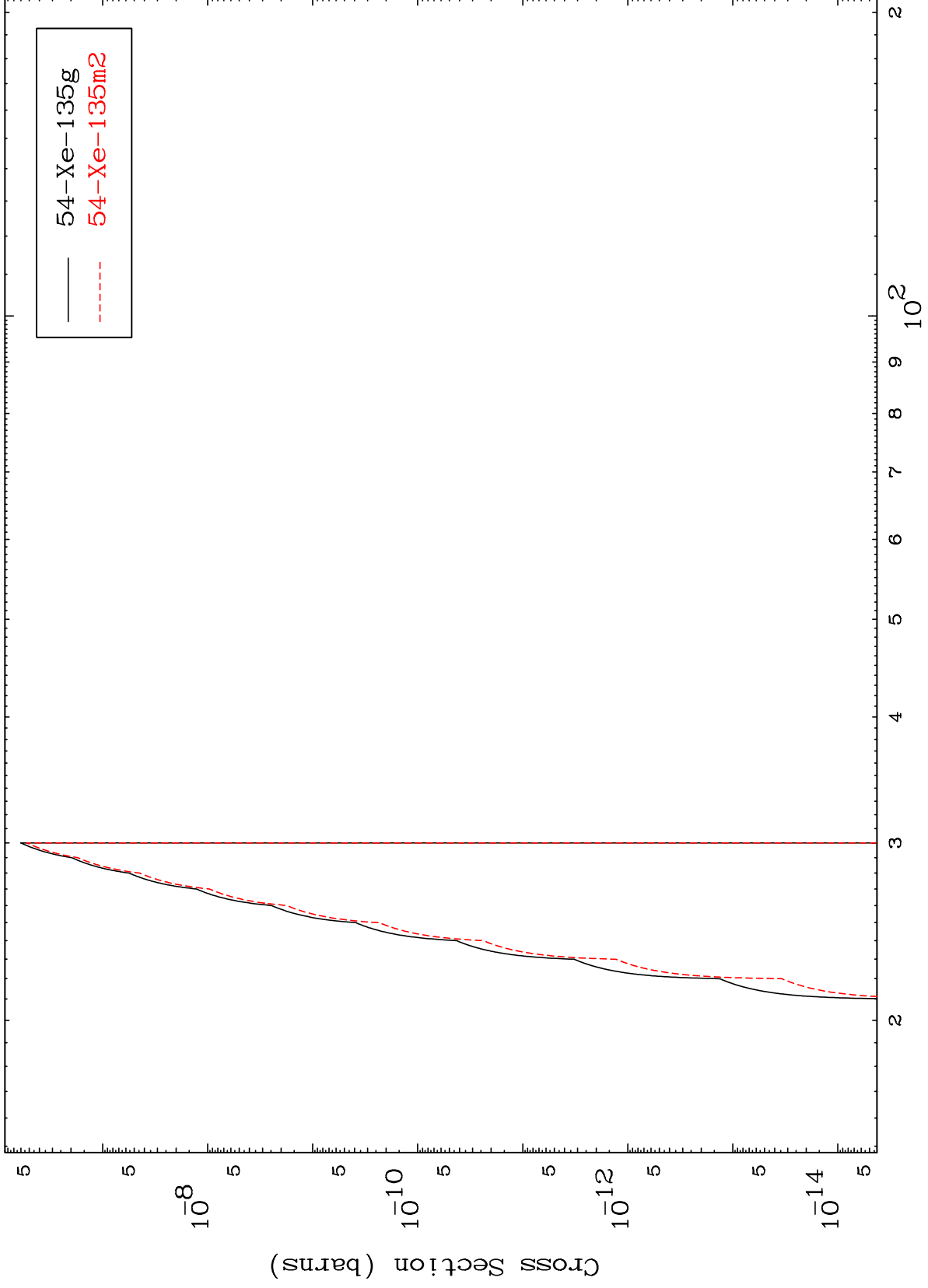
29

MAT 5647

(n,2n) p

56-Ba-137m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

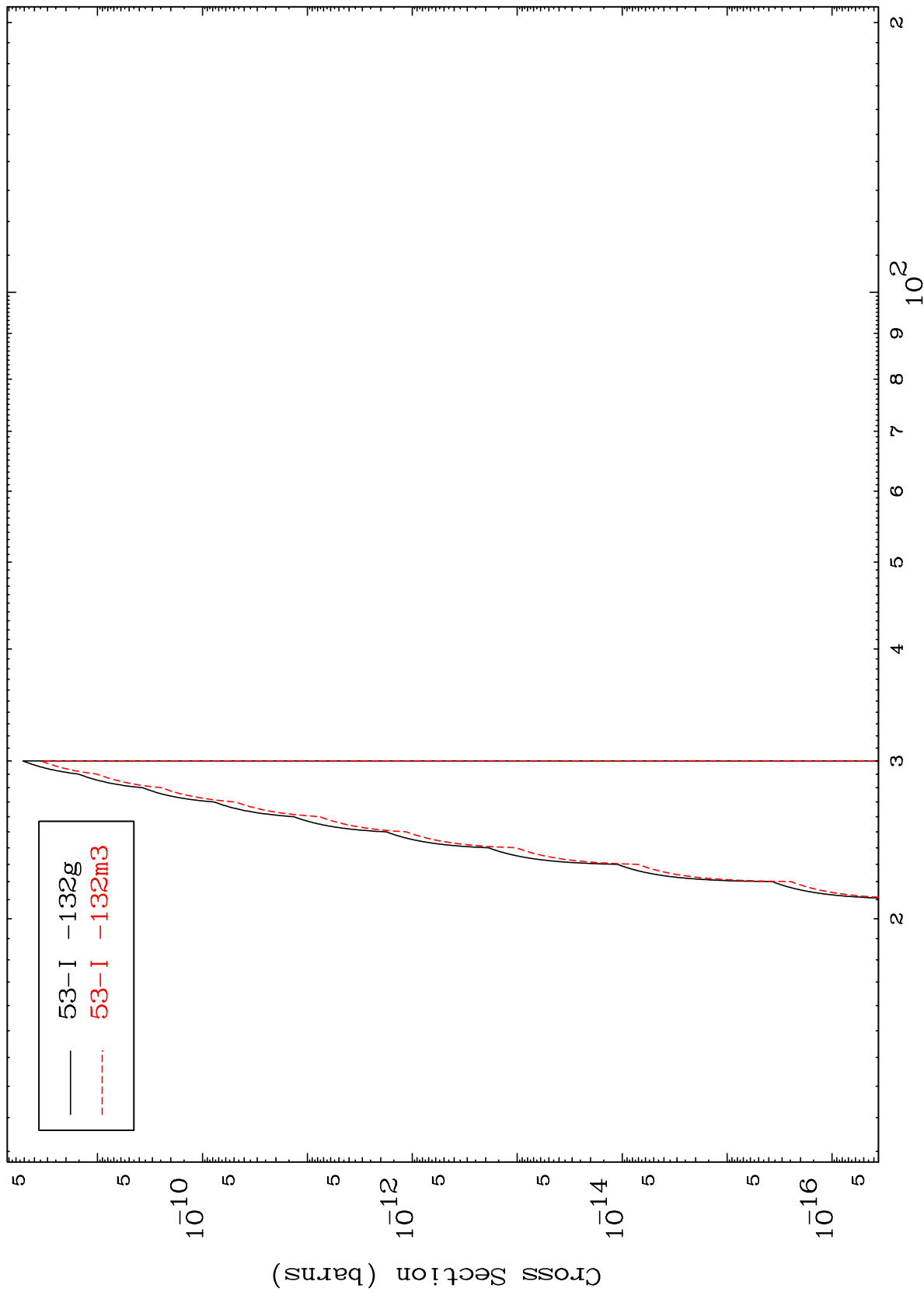
56-Ba-137m

MAT 5647

(n,n') p α

56-Ba-137m

Radionuclide Production Cross Section



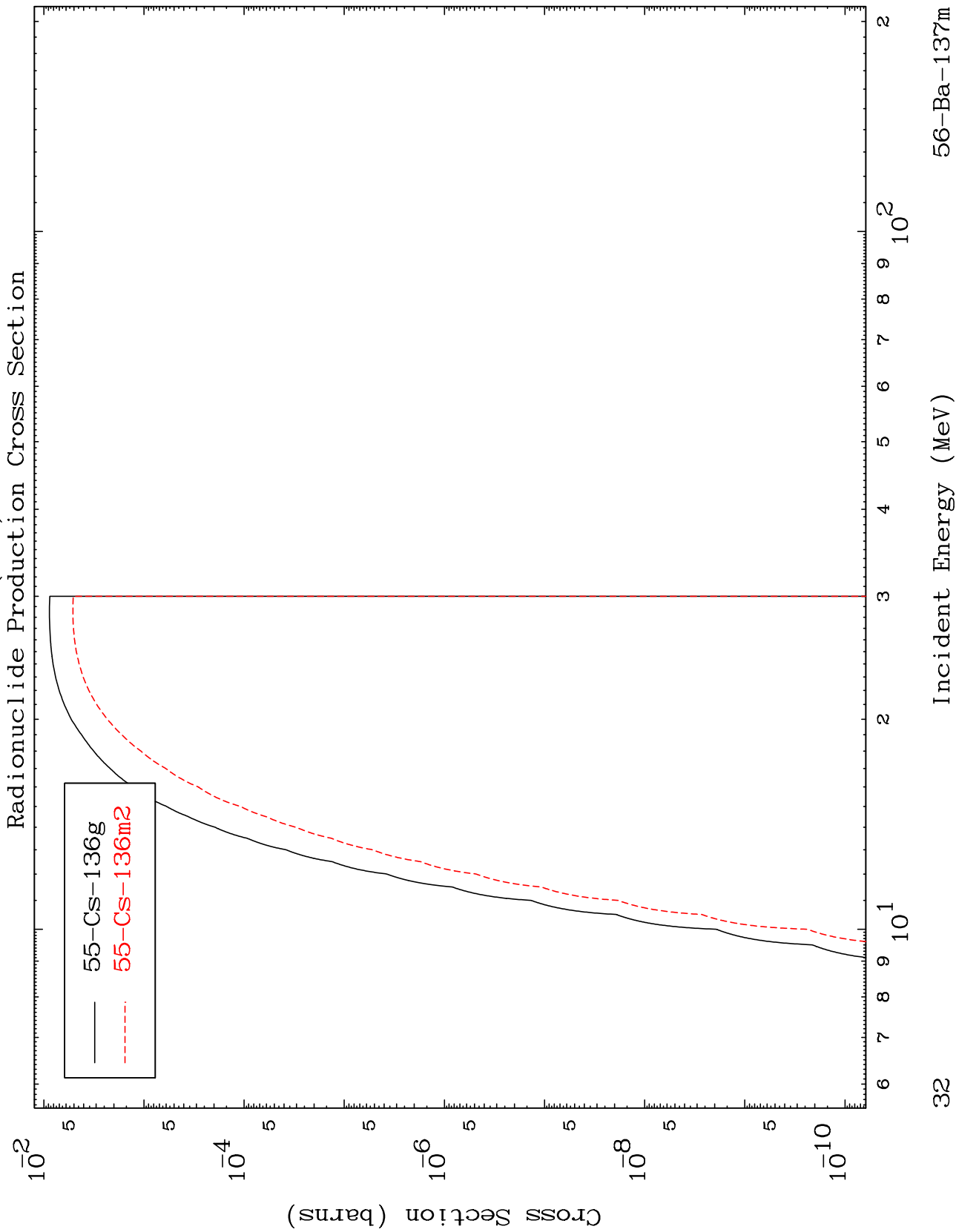
Incident Energy (MeV)

56-Ba-137m

31

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56-Ba-137m



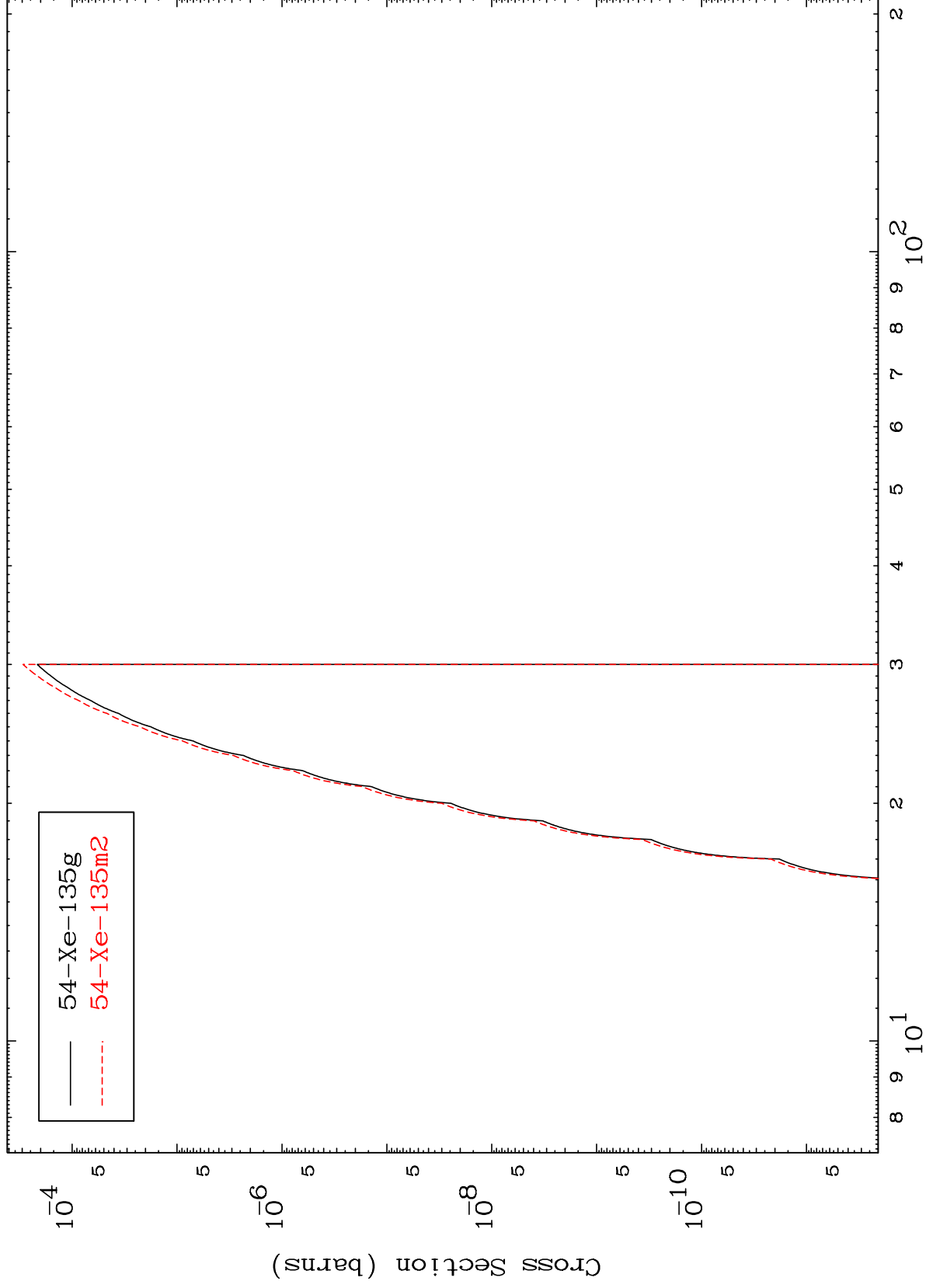
32

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(n,He-3)

56-Ba-137m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

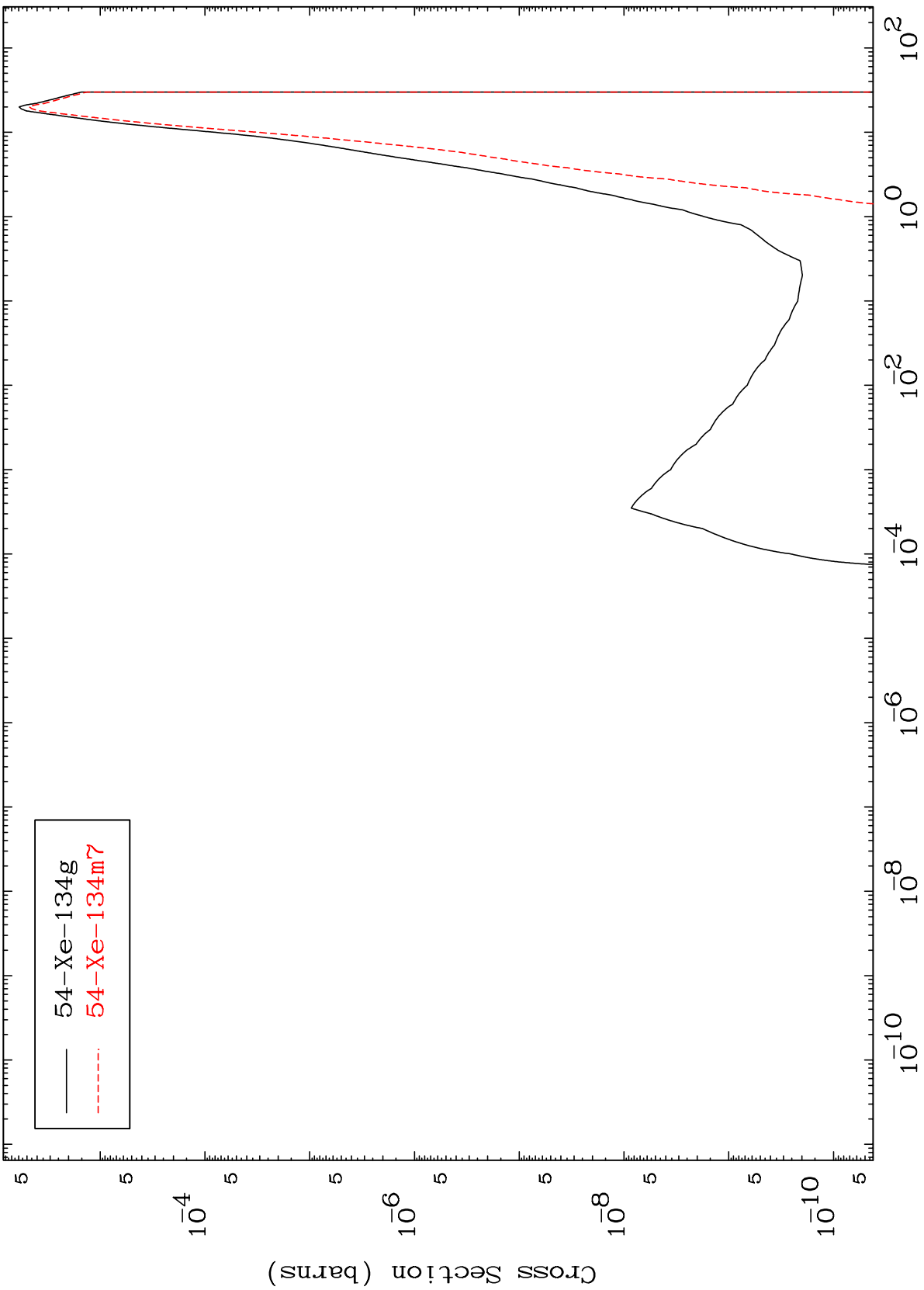
56-Ba-137m

MAT 5647

(n, α)

56-Ba-137m

Radionuclide Production Cross Section



54-Xe-134g
54-Xe-134m7

Incident Energy (MeV)

56-Ba-137m

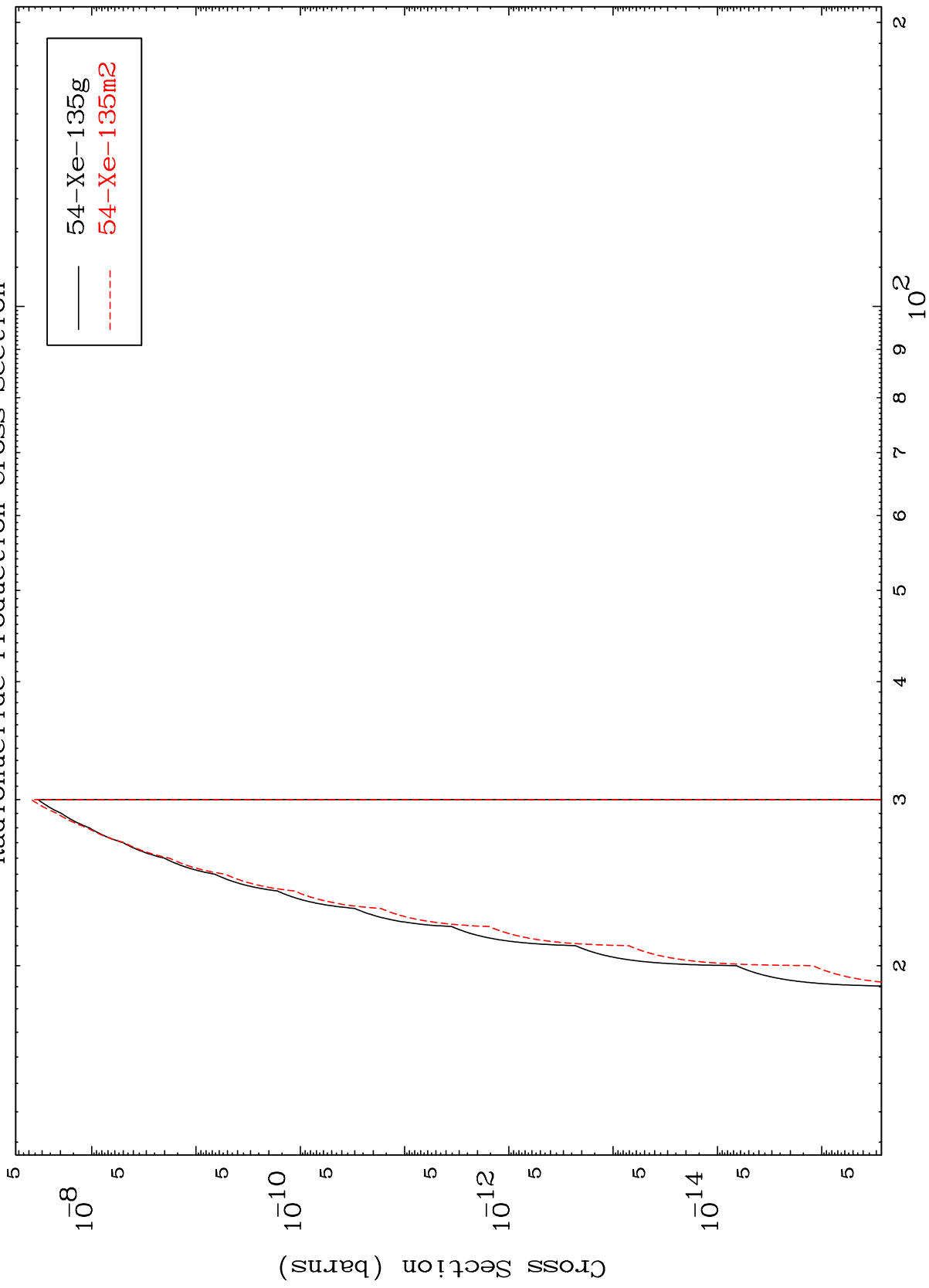
34

MAT 5647

(n,p) d

56-Ba-137m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

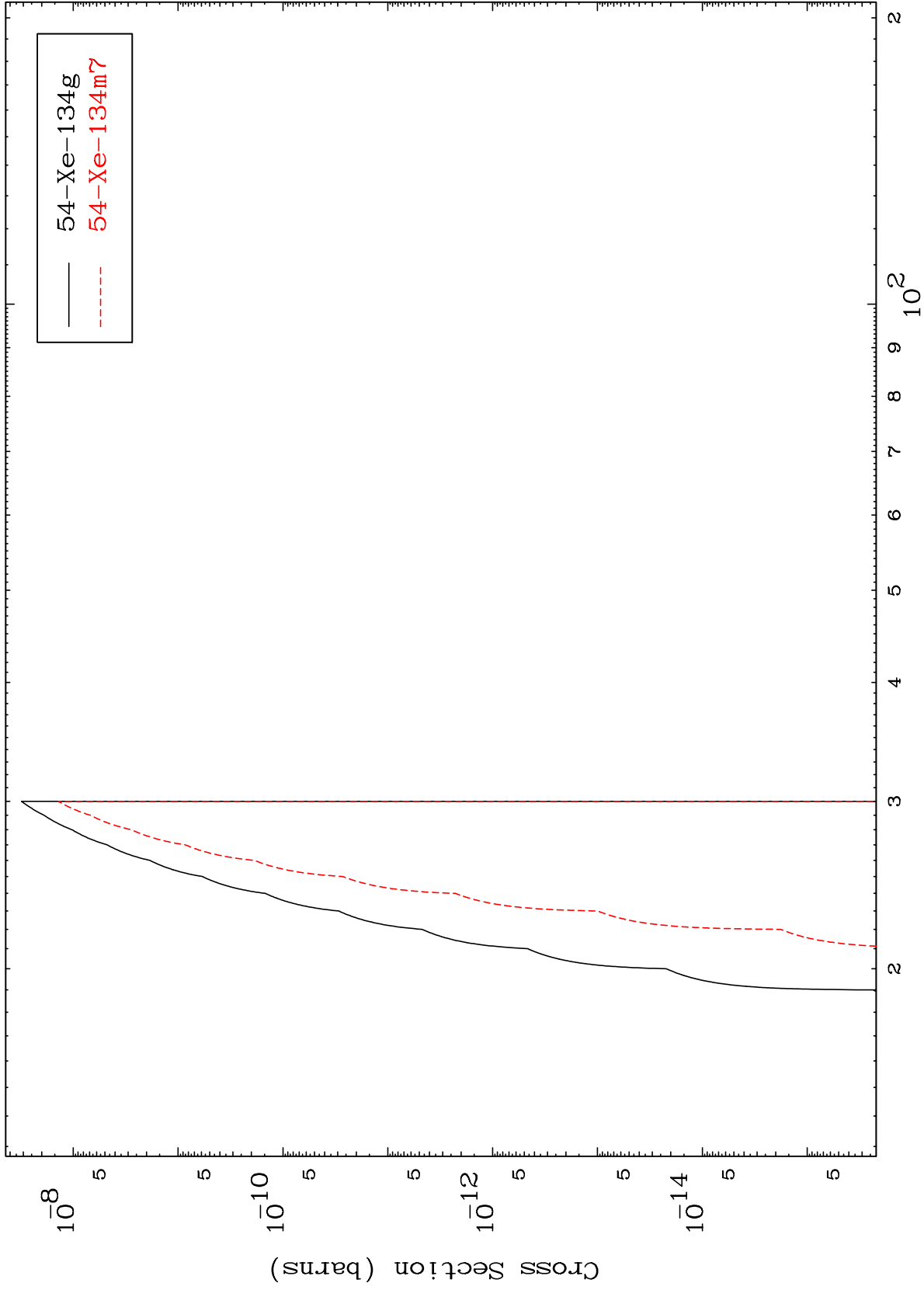
56-Ba-137m

MAT 5647

(n,p) t

56-Ba-137m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

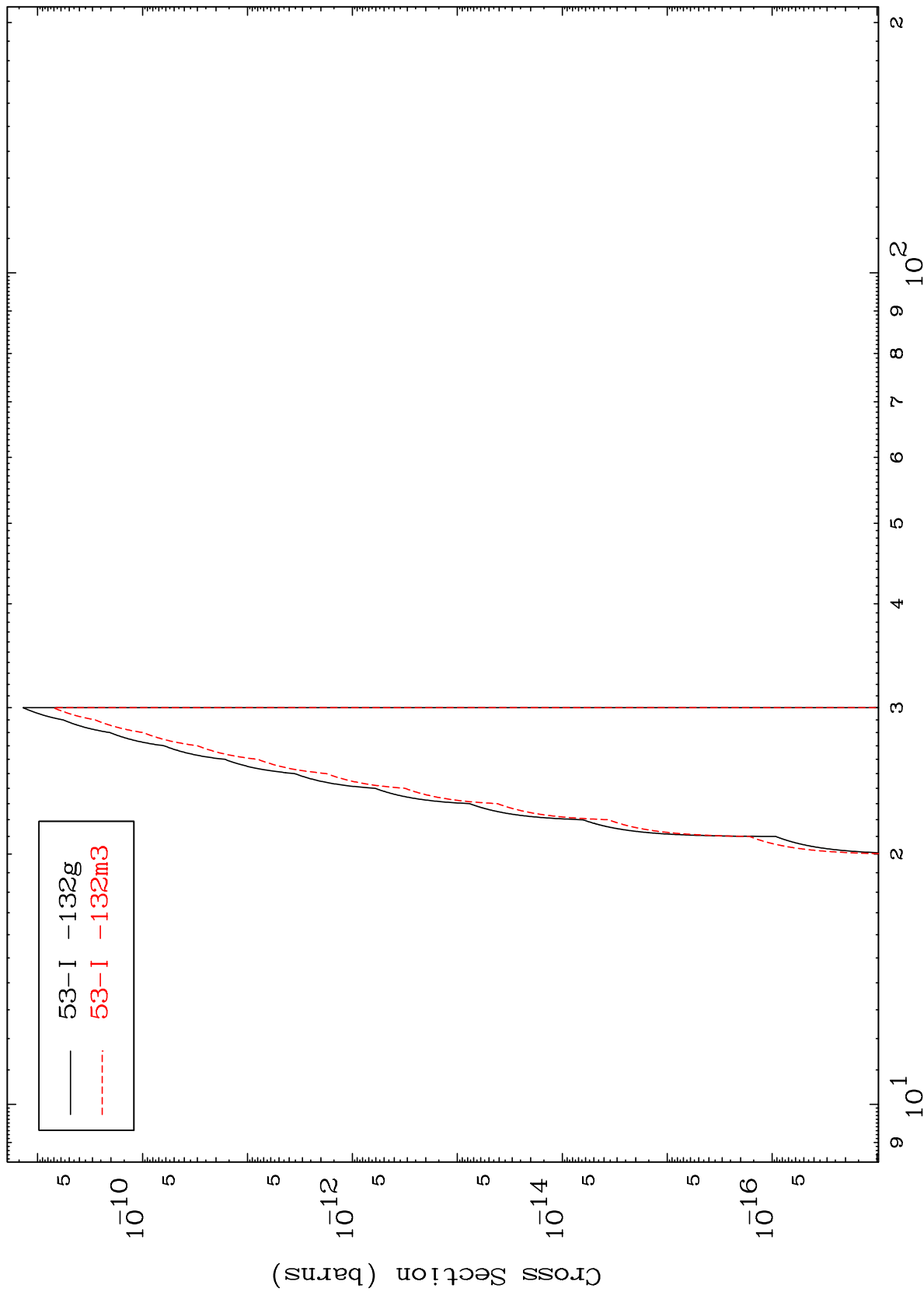
56-Ba-137m

MAT 5647

(n,d) α

56-Ba-137m

Radionuclide Production Cross Section



37

Incident Energy (MeV)

56-Ba-137m