

Program EVALPLOT
(Version 2021-1)

by

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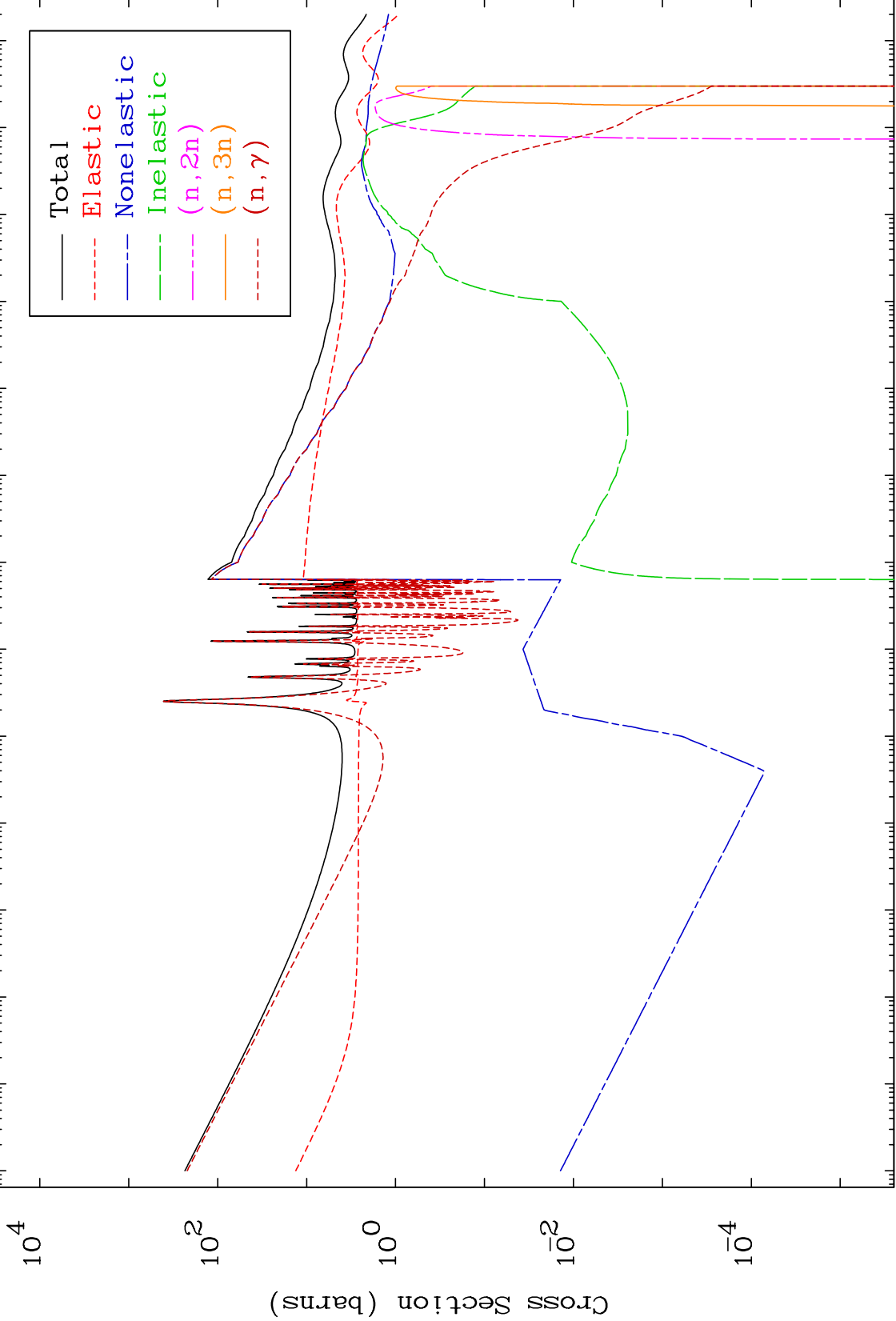
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5629

Neutron Major
293 Kelvin Cross Sections

56-Ba-131m

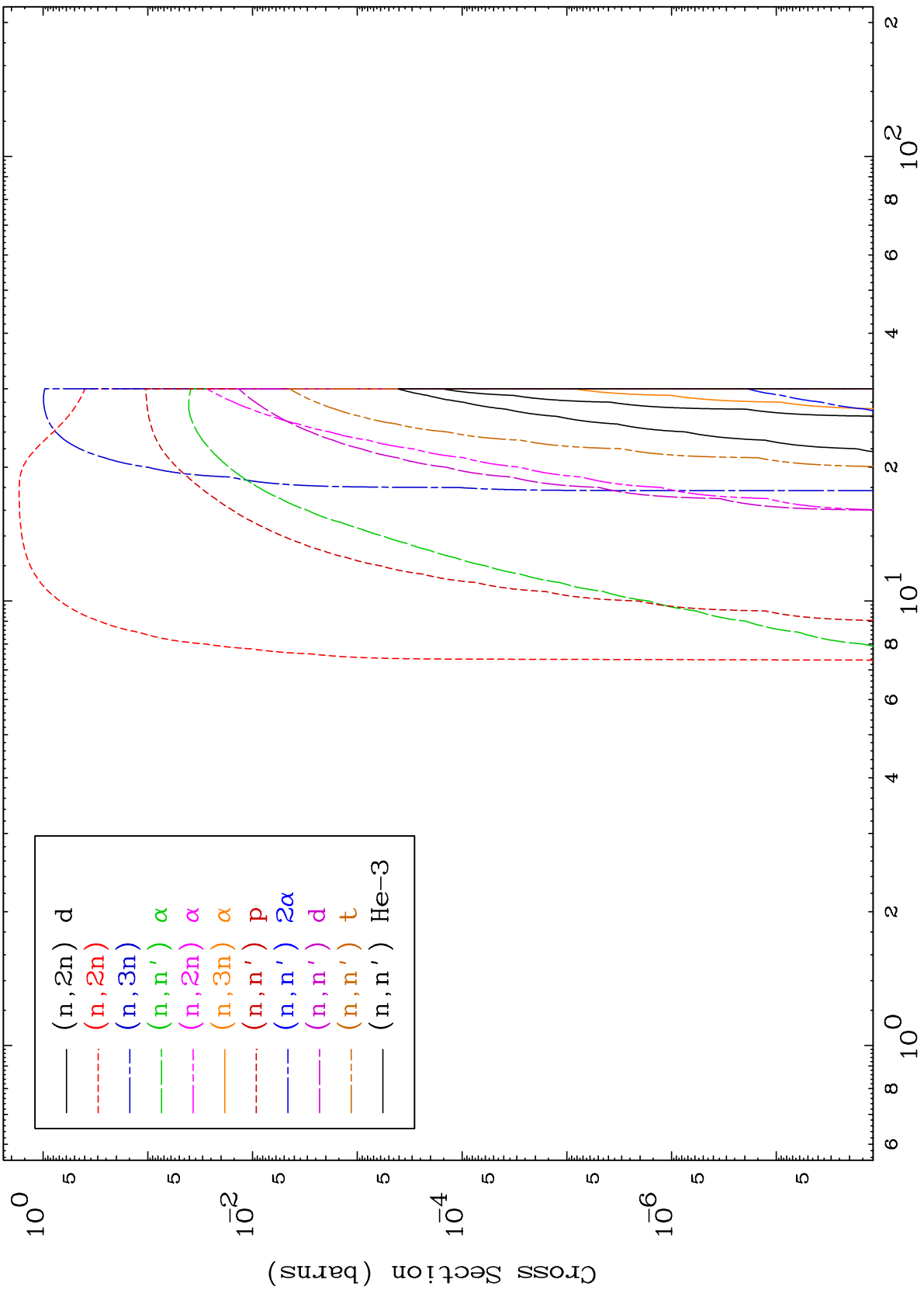


56-Ba-131m

MAT 5629

Neutron Absorption
293 Kelvin Cross Sections

56-Ba-131m



2

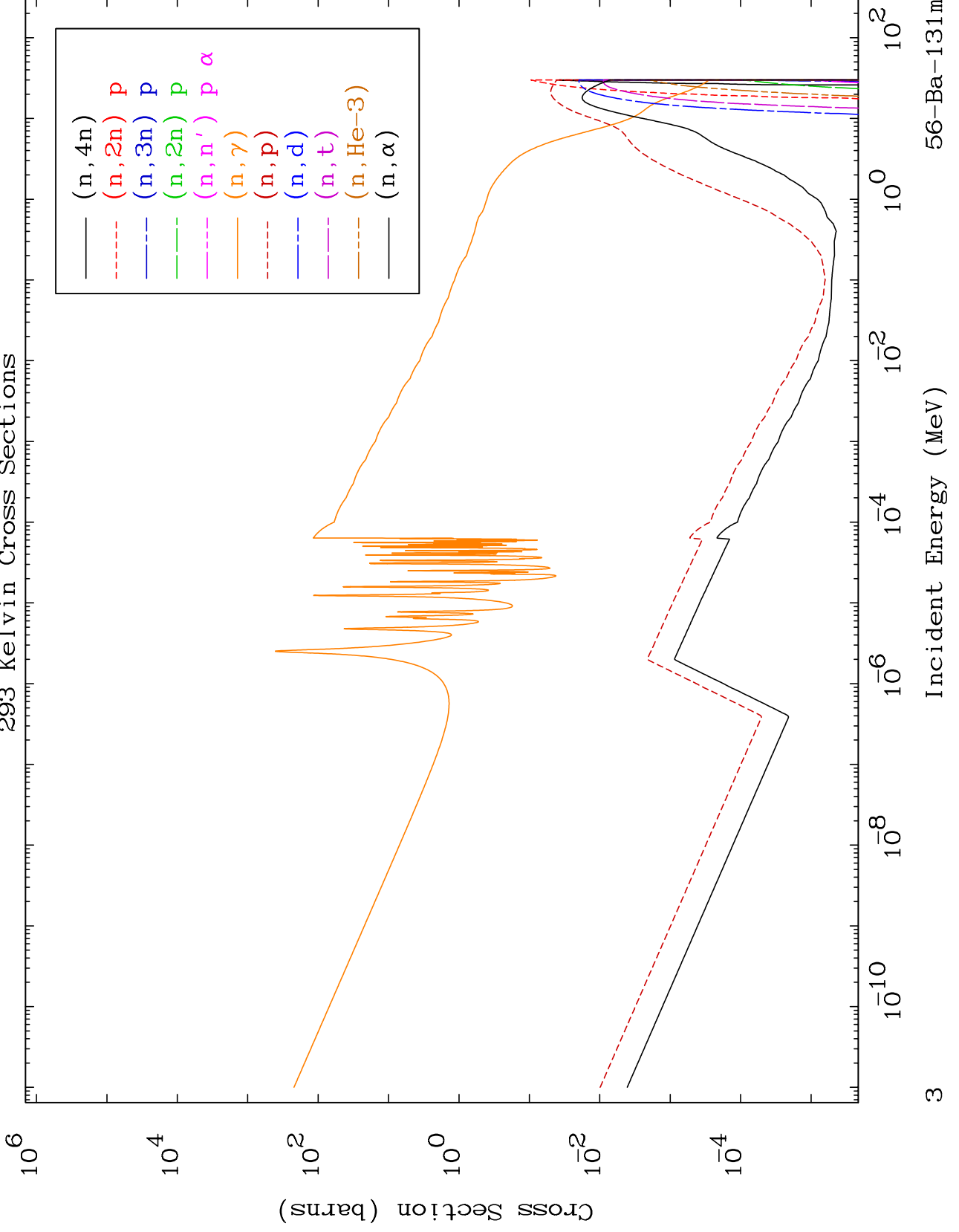
Incident Energy (MeV)

56-Ba-131m

MAT 5629

Neutron Absorption
293 Kelvin Cross Sections

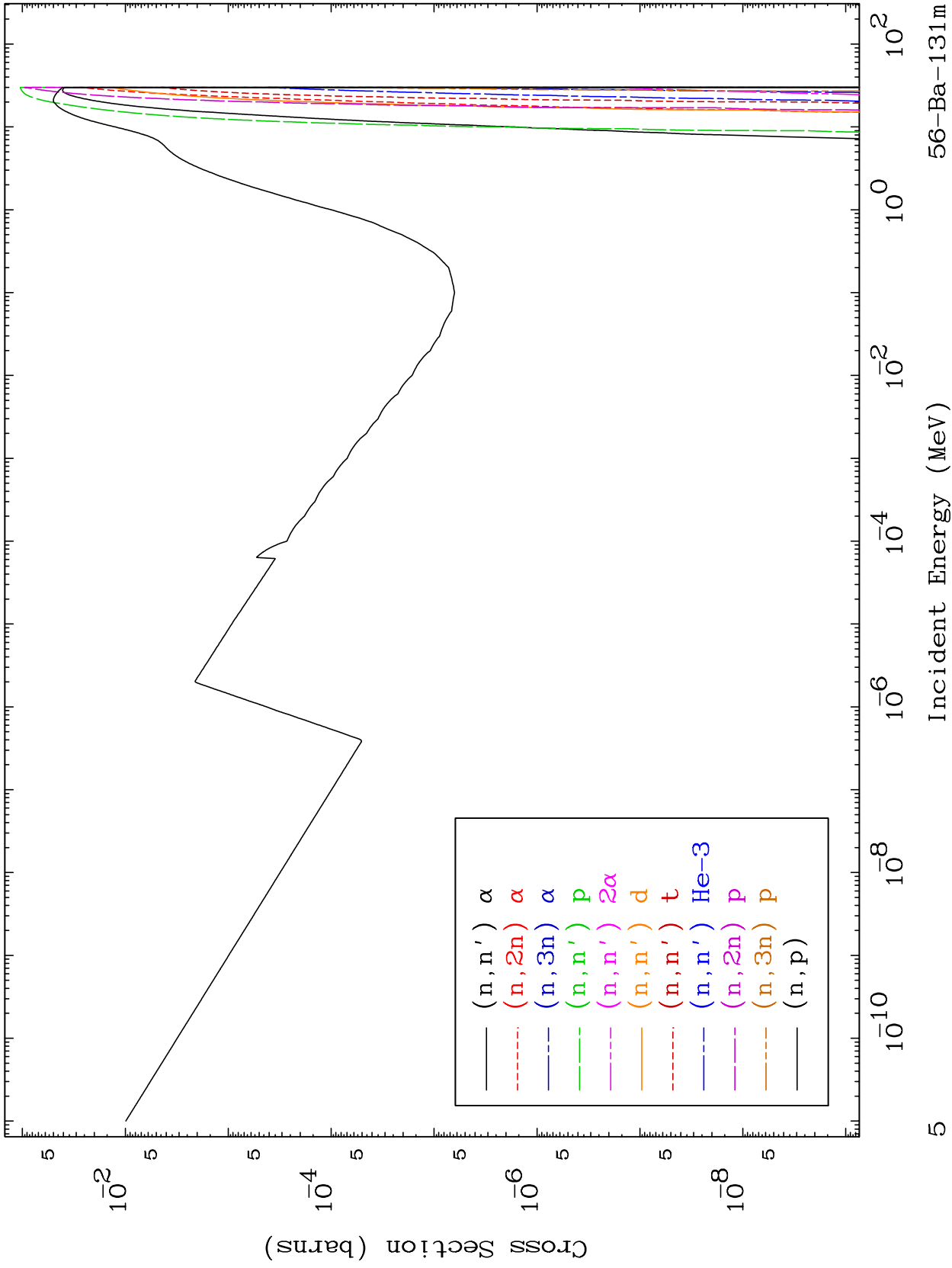
56-Ba-131m



MAT 5629

Charged Particle
293 Kelvin Cross Sections

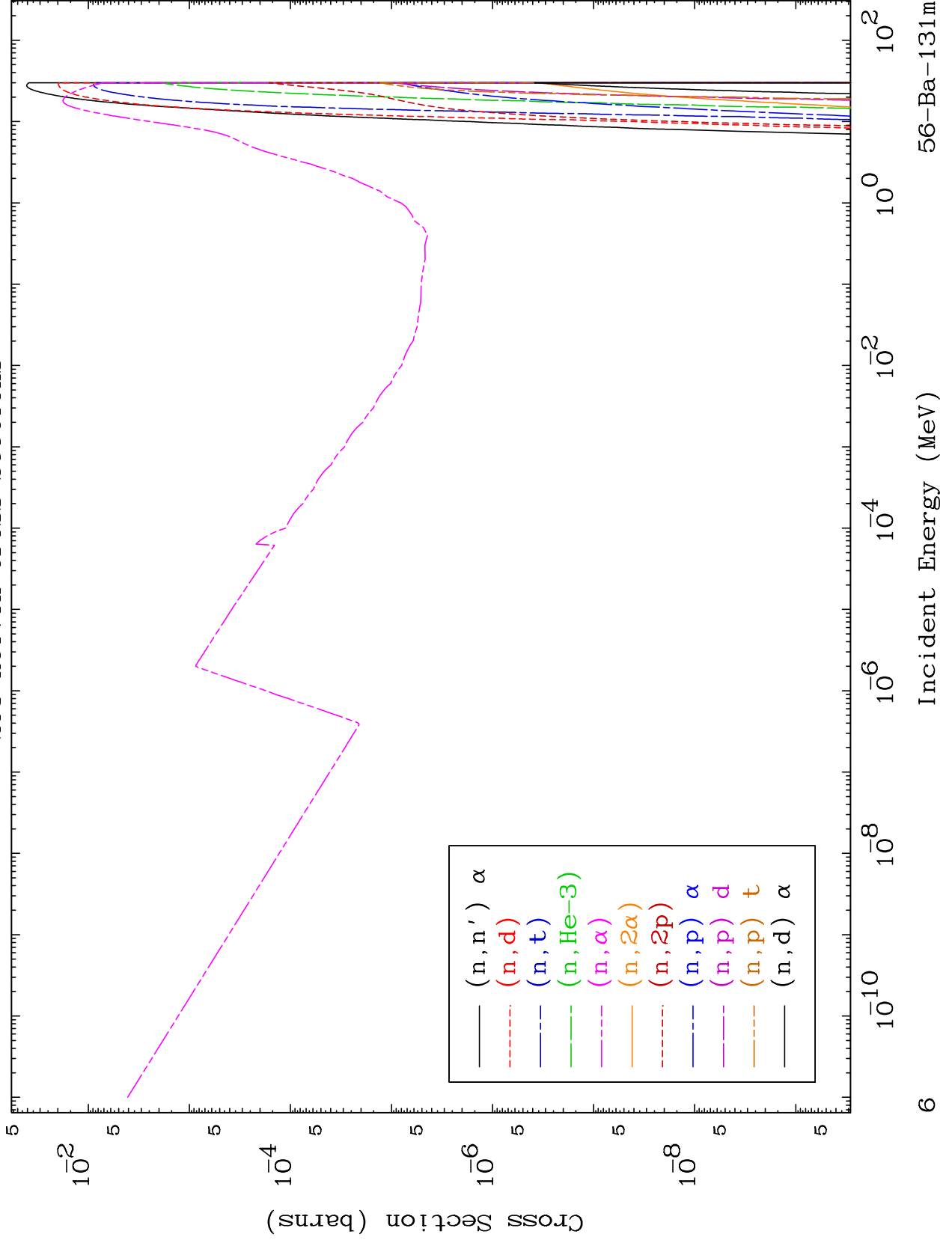
56-Ba-131m



MAT 5629

Charged Particle
293 Kelvin Cross Sections

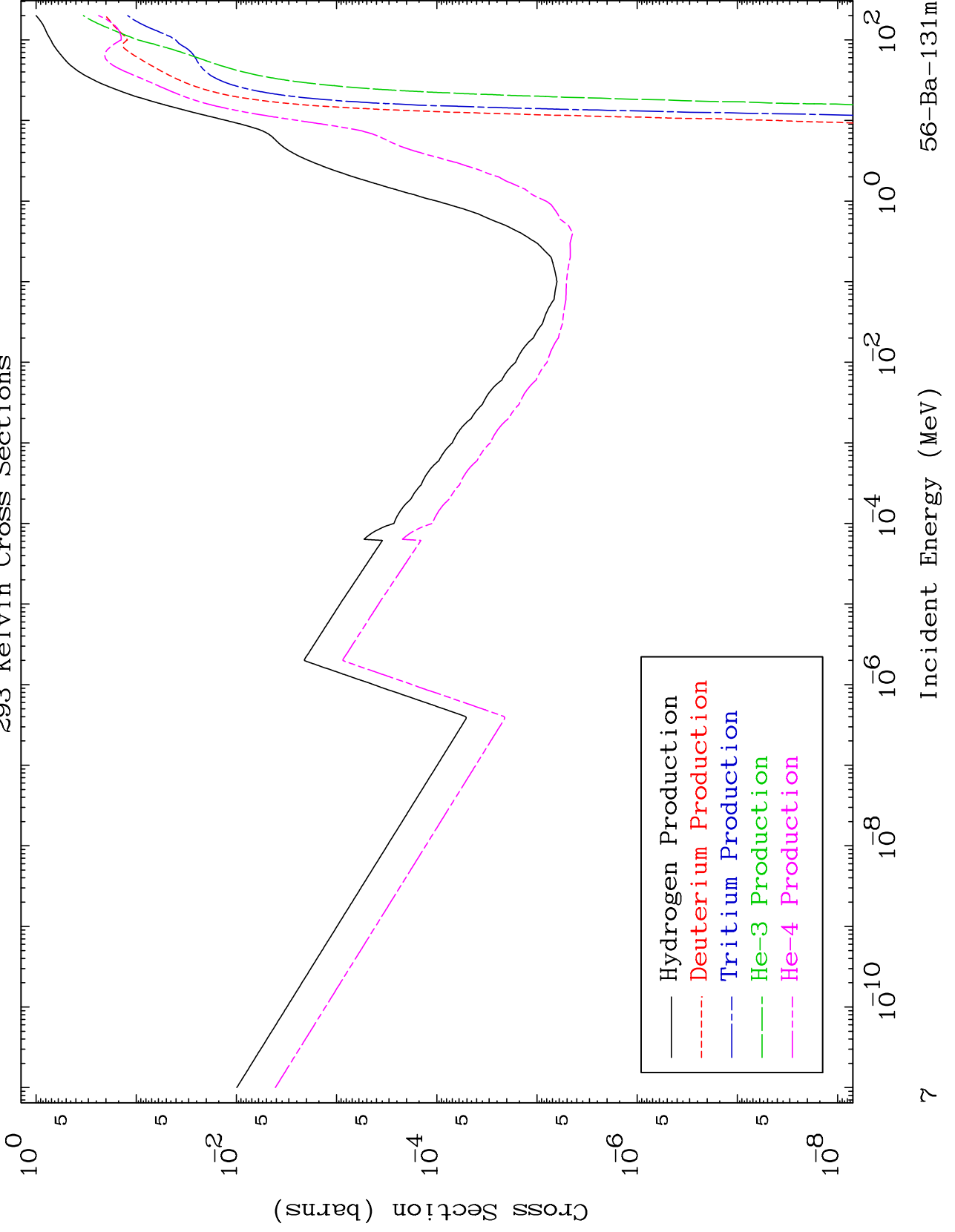
56-Ba-131m



MAT 5629

Particle Production
293 Kelvin Cross Sections

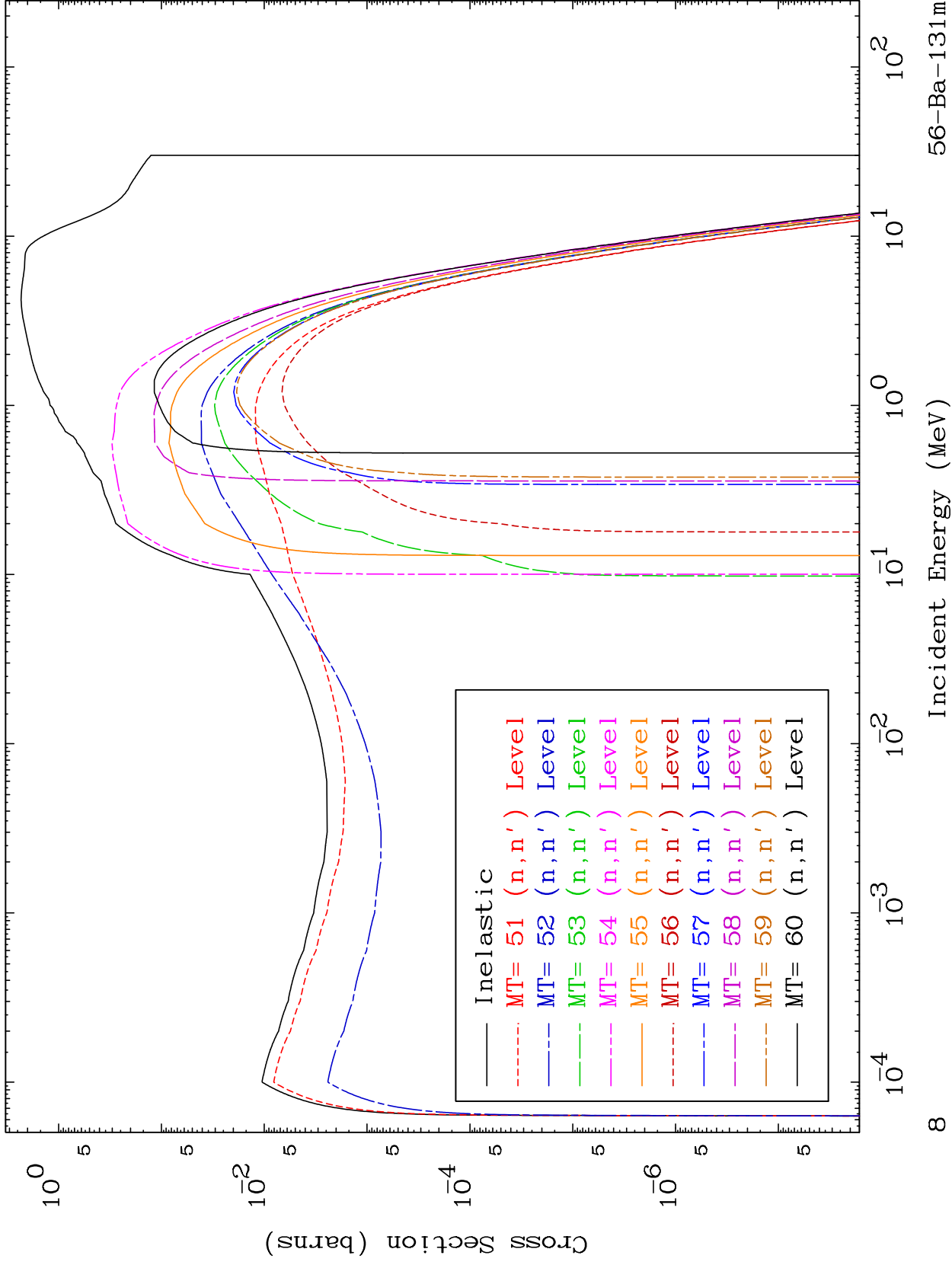
56-Ba-131m



MAT 5629

(n,n') Levels
293 Kelvin Cross Sections

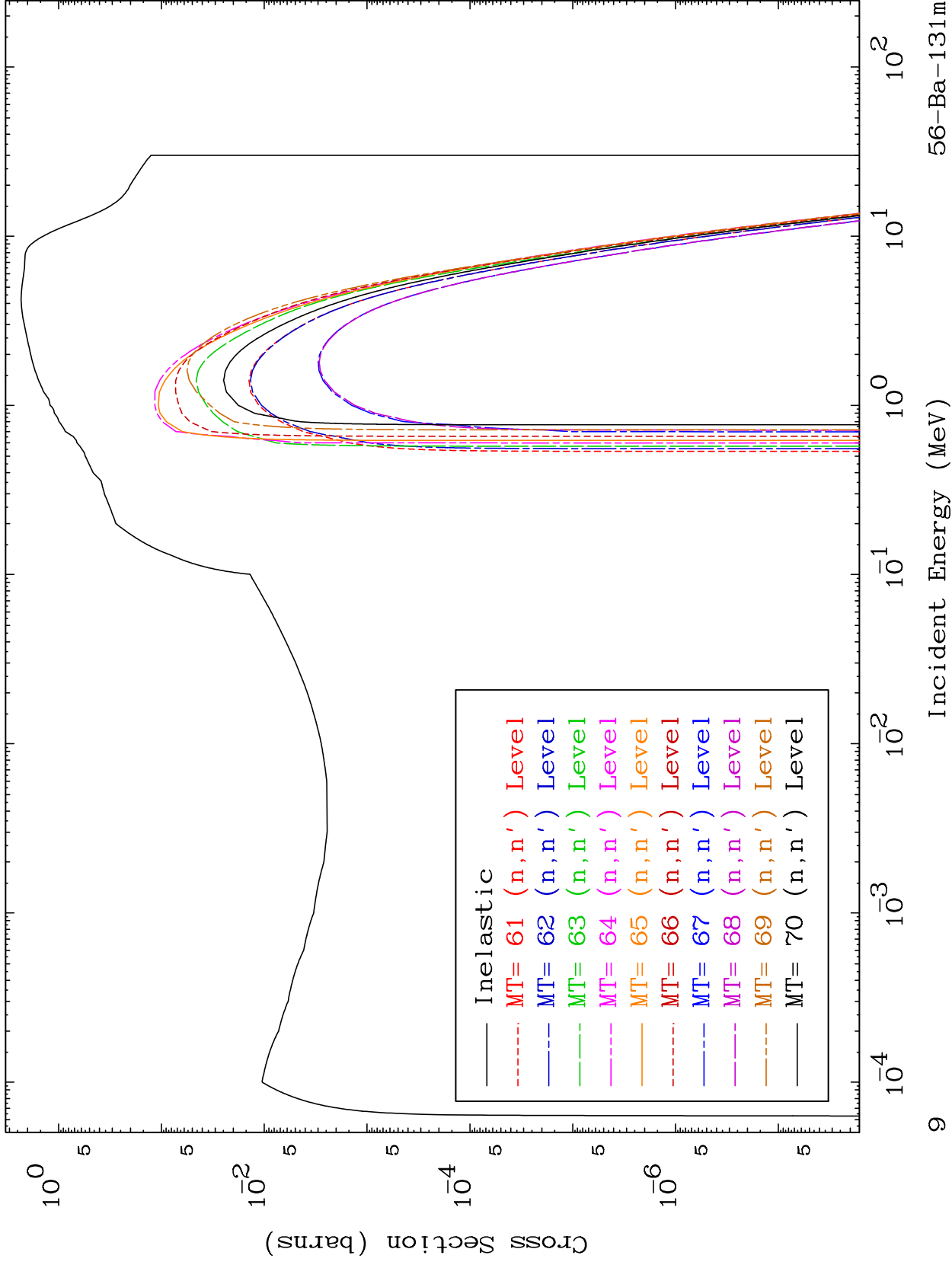
56-Ba-131m



MAT 5629

(n,n') Levels
293 Kelvin Cross Sections

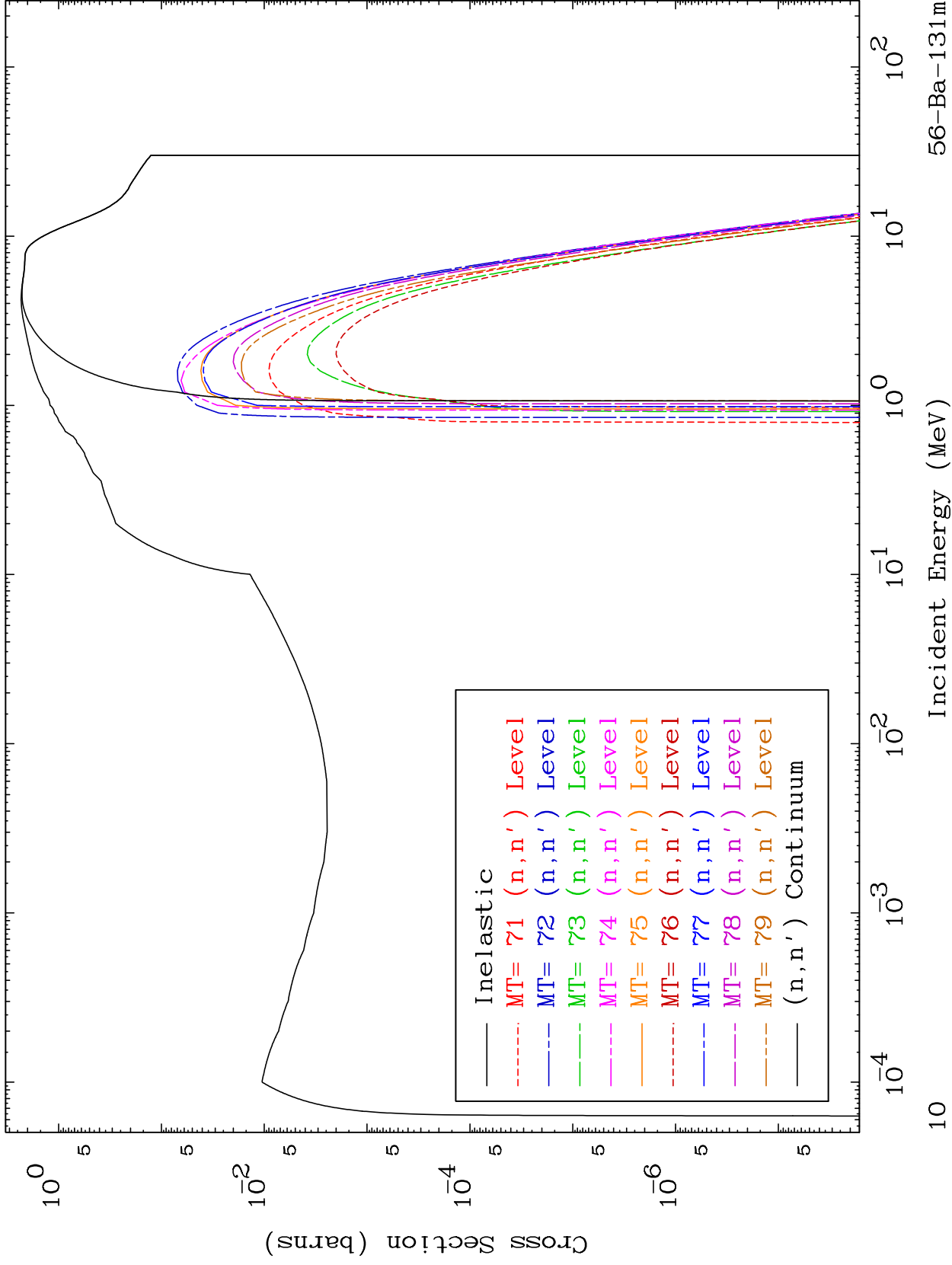
56-Ba-131m



MAT 5629

(n,n') Levels
293 Kelvin Cross Sections

56-Ba-131m

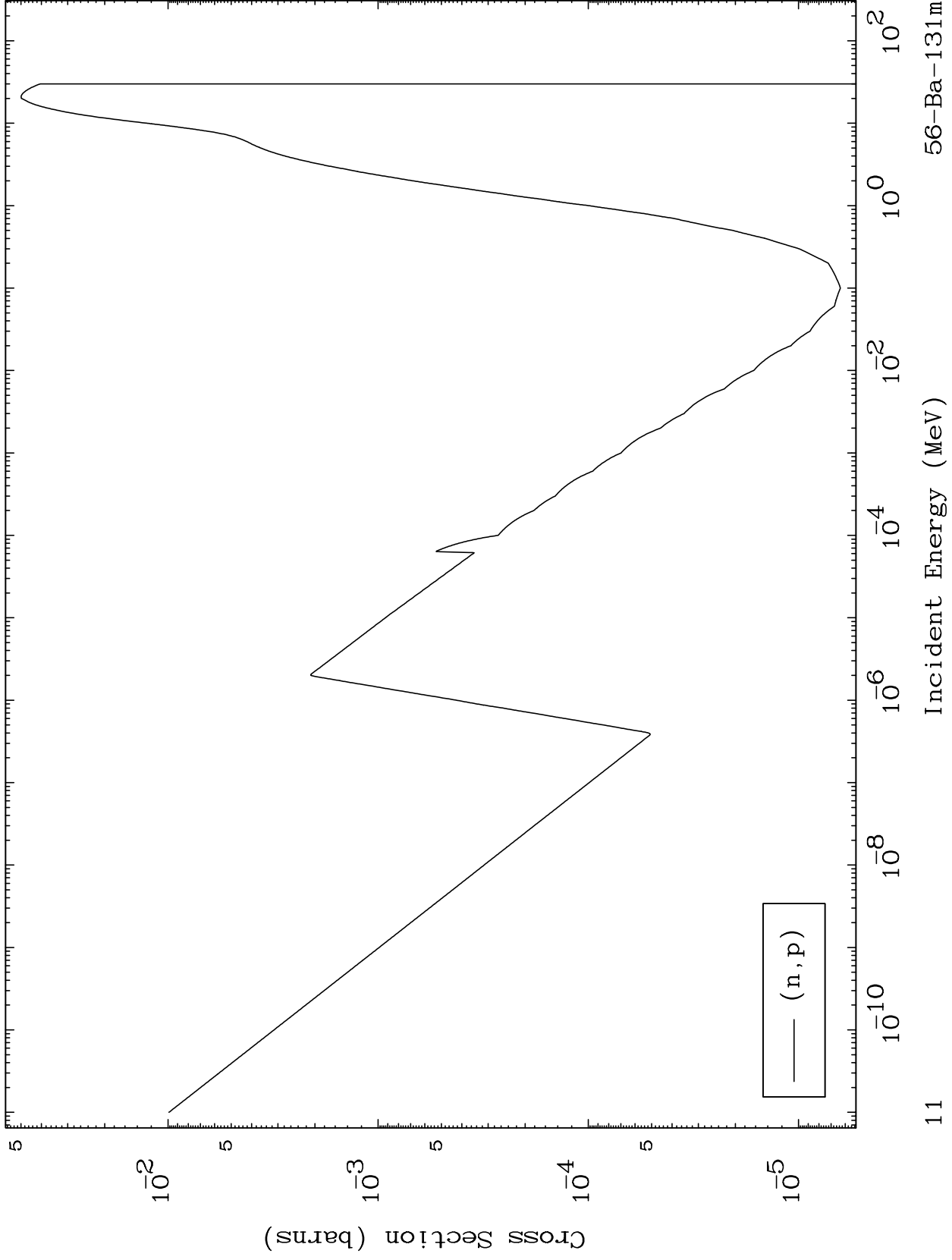


56-Ba-131m

MAT 5629

(n,p) Levels
293 Kelvin Cross Sections

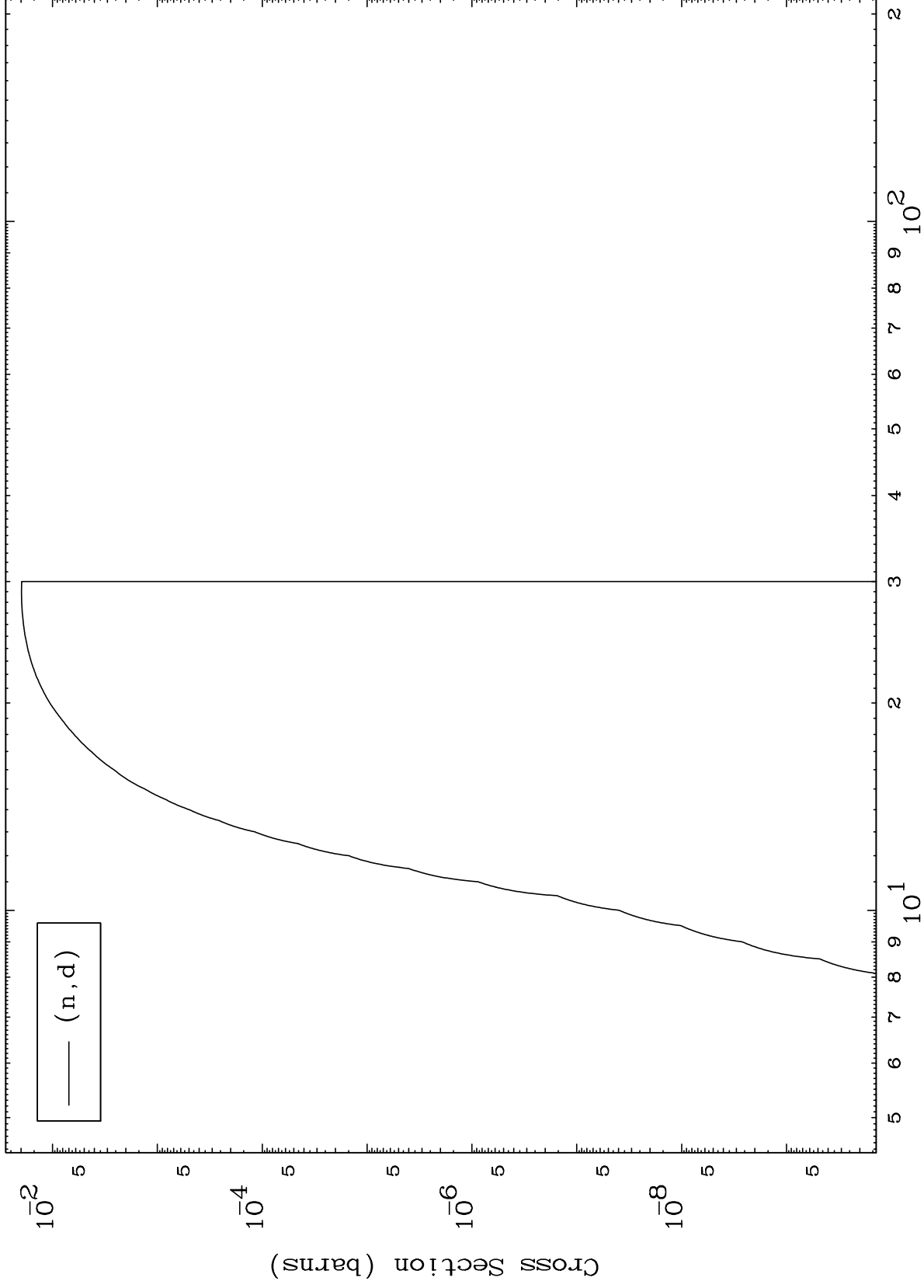
56-Ba-131m



MAT 5629

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-131m



12

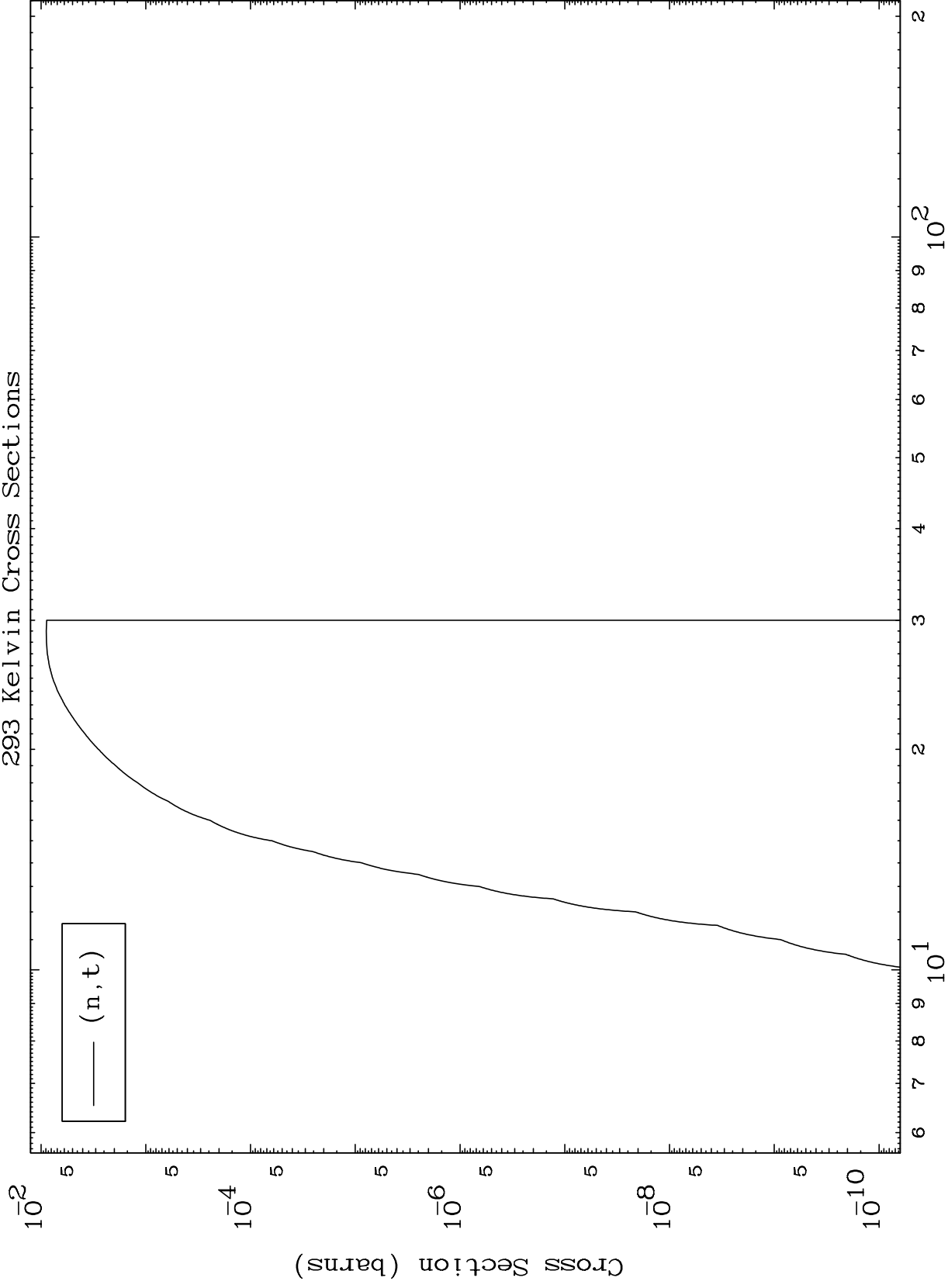
Incident Energy (MeV)

56-Ba-131m

MAT 5629

(n, t) Levels
293 Kelvin Cross Sections

56-Ba-131m



13

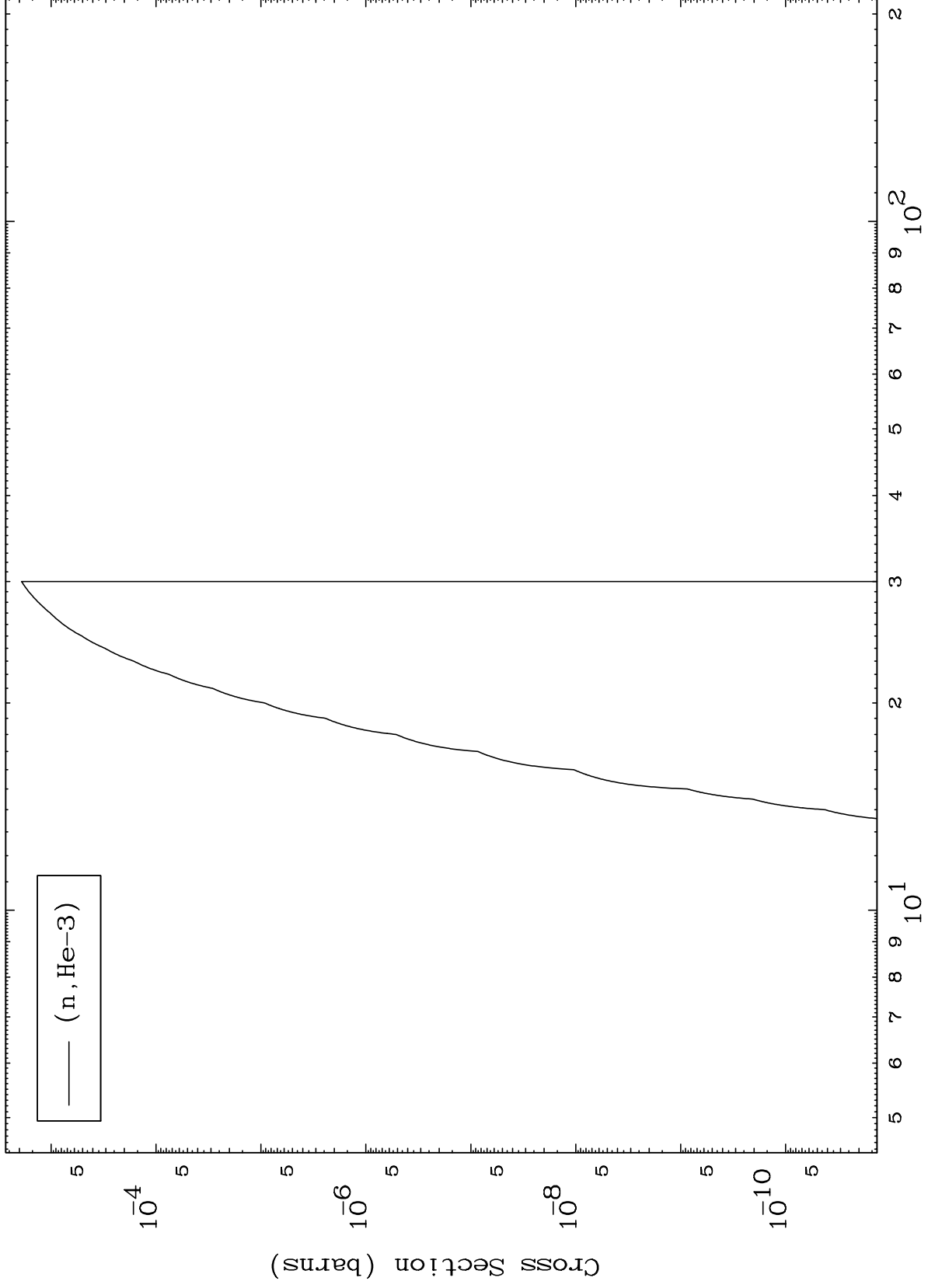
Incident Energy (MeV)

56-Ba-131m

MAT 5629

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-131m



14

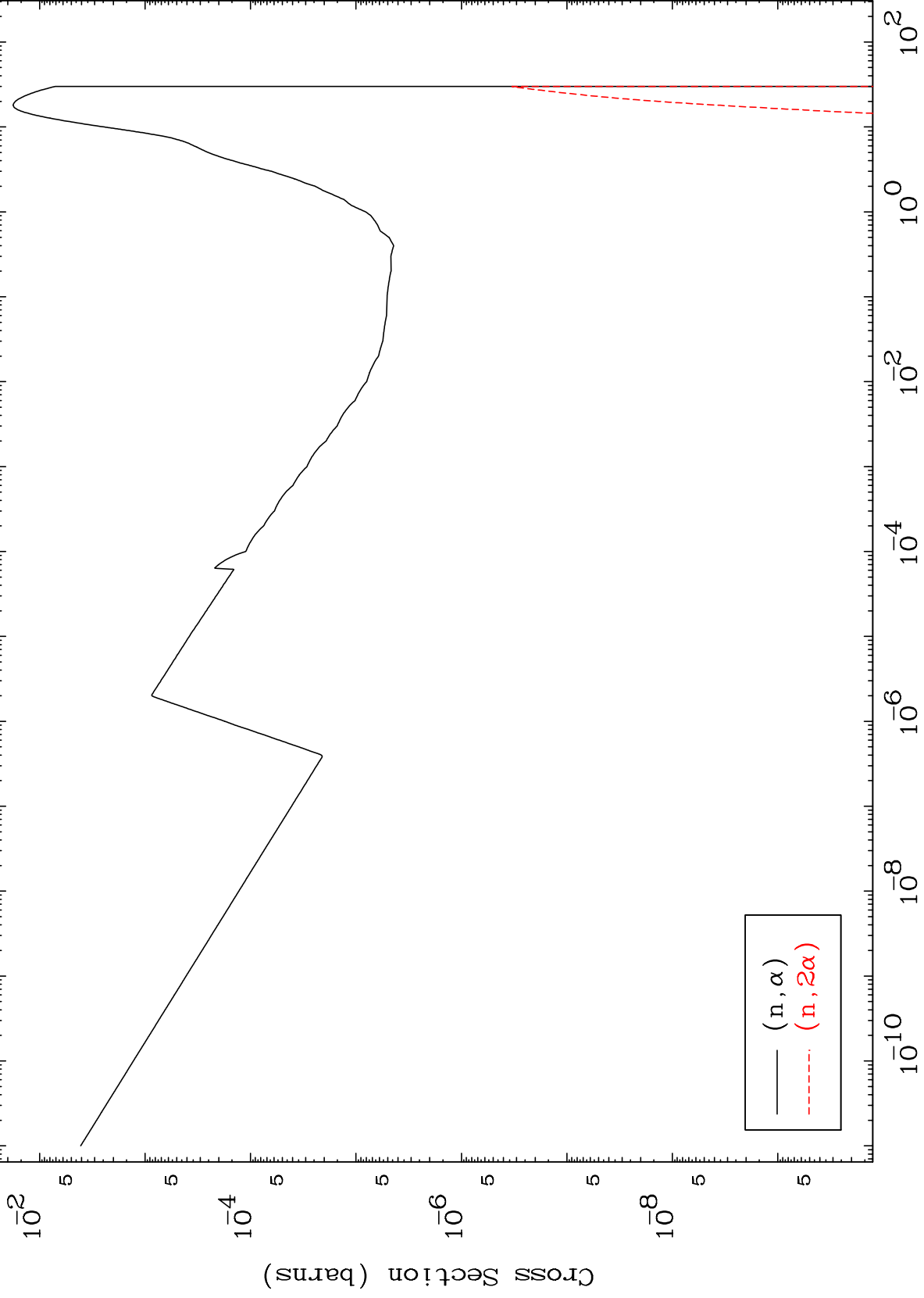
Incident Energy (MeV)

56-Ba-131m

MAT 5629

(n,α) Levels
293 Kelvin Cross Sections

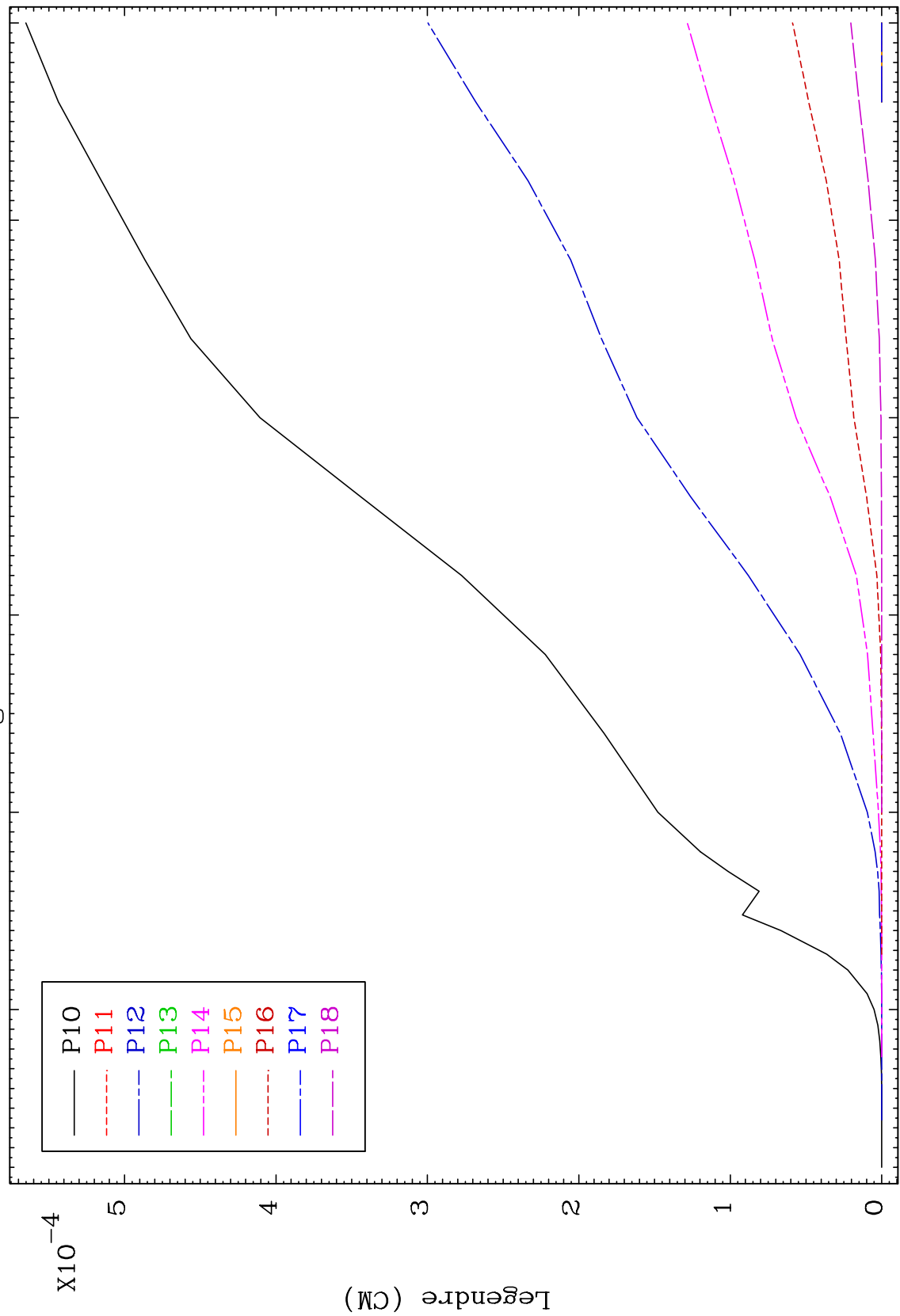
56-Ba-131m



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Elastic Legendre Coefficients

56-Ba-131m



17

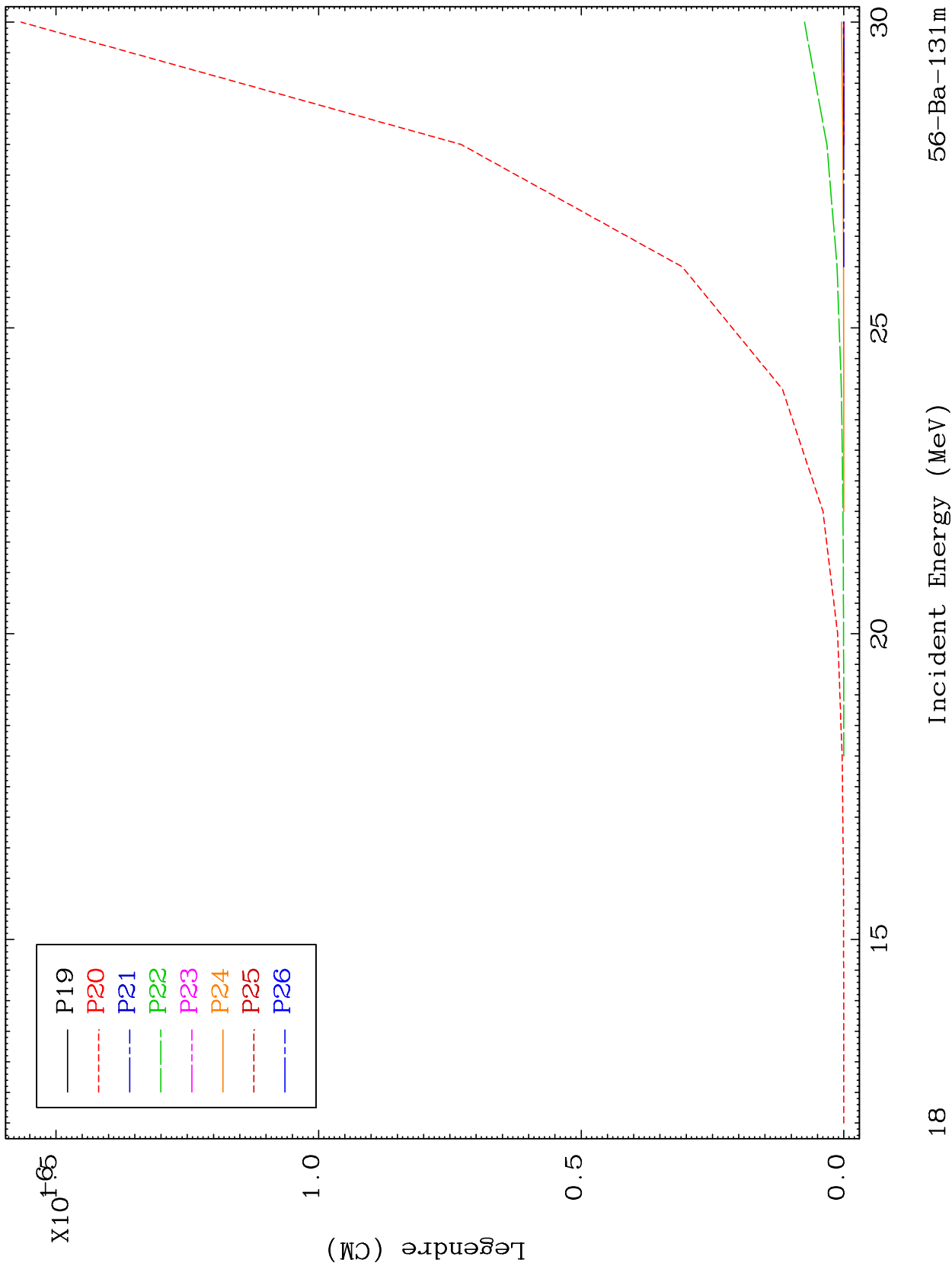
56-Ba-131m

Incident Energy (MeV)

MAT 5629

Elastic Legendre Coefficients

56-Ba-131m



18

Incident Energy (MeV)

56-Ba-131m

30

15

10^{-65}

1.0

0.5

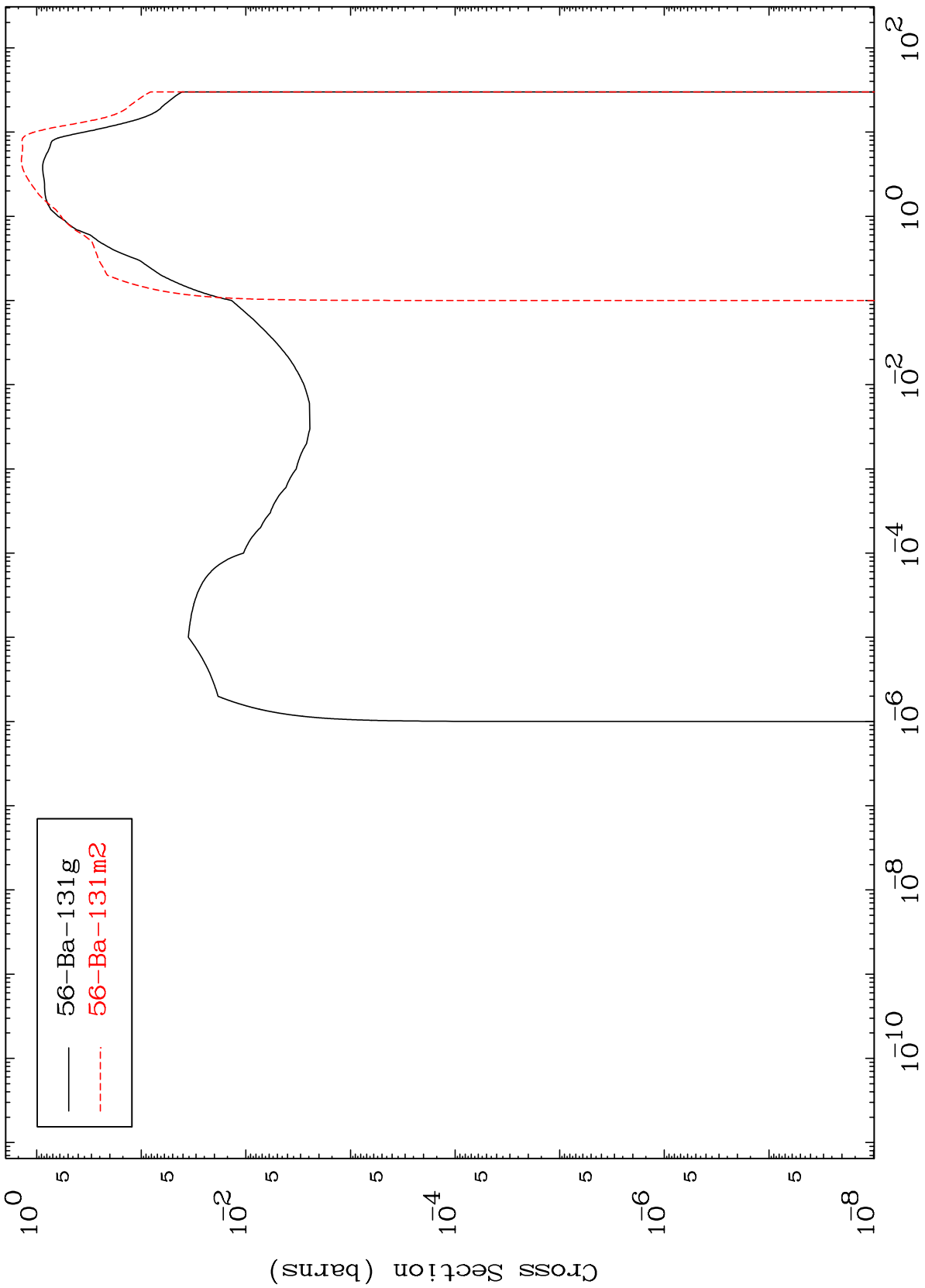
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Legendre (CM)

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56-Ba-131m

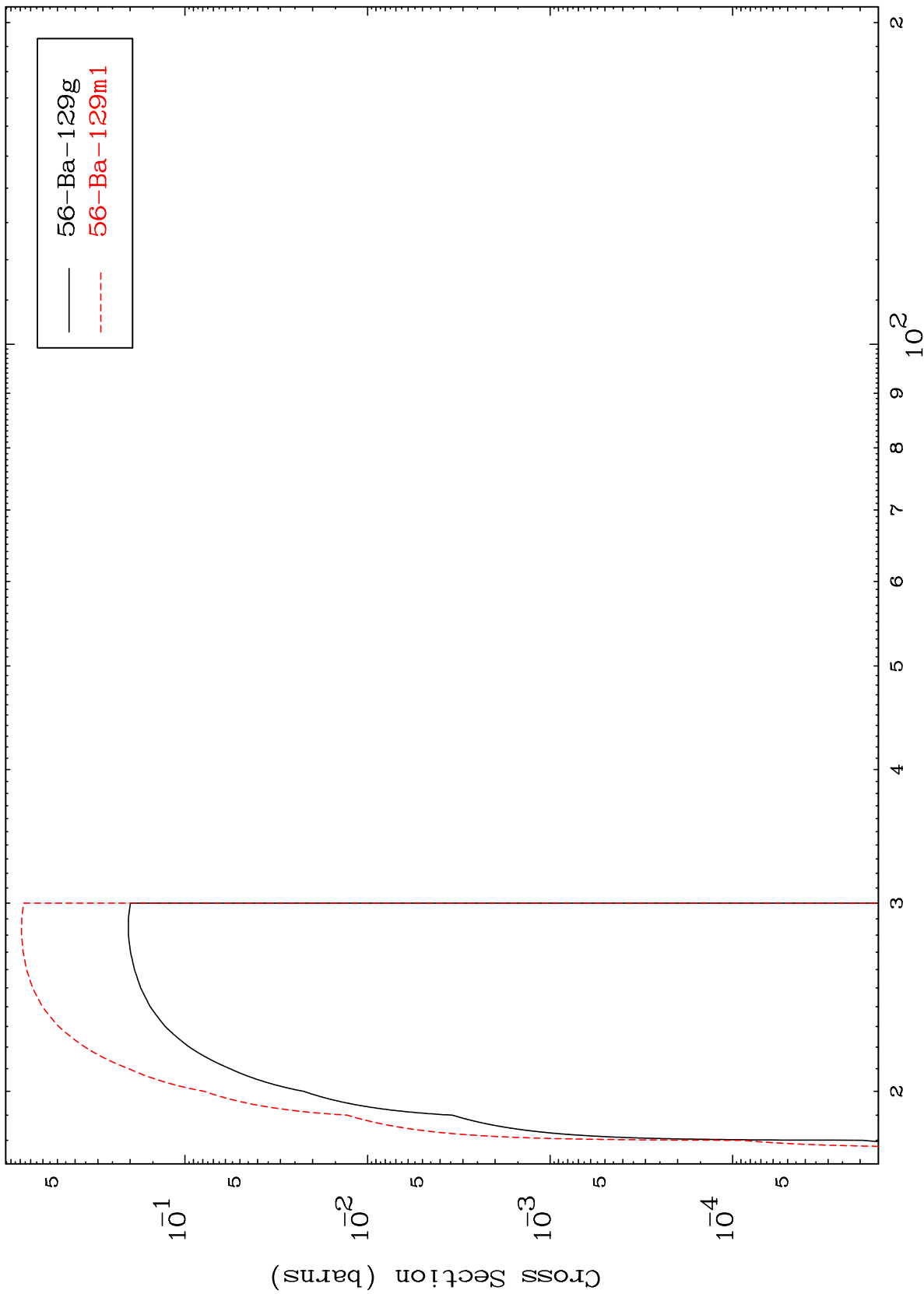
Inelastic
Radionuclide Production Cross Section



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56-Ba-131m

(n,3n)
Radionuclide Production Cross Section



56-Ba-131m

Incident Energy (MeV)

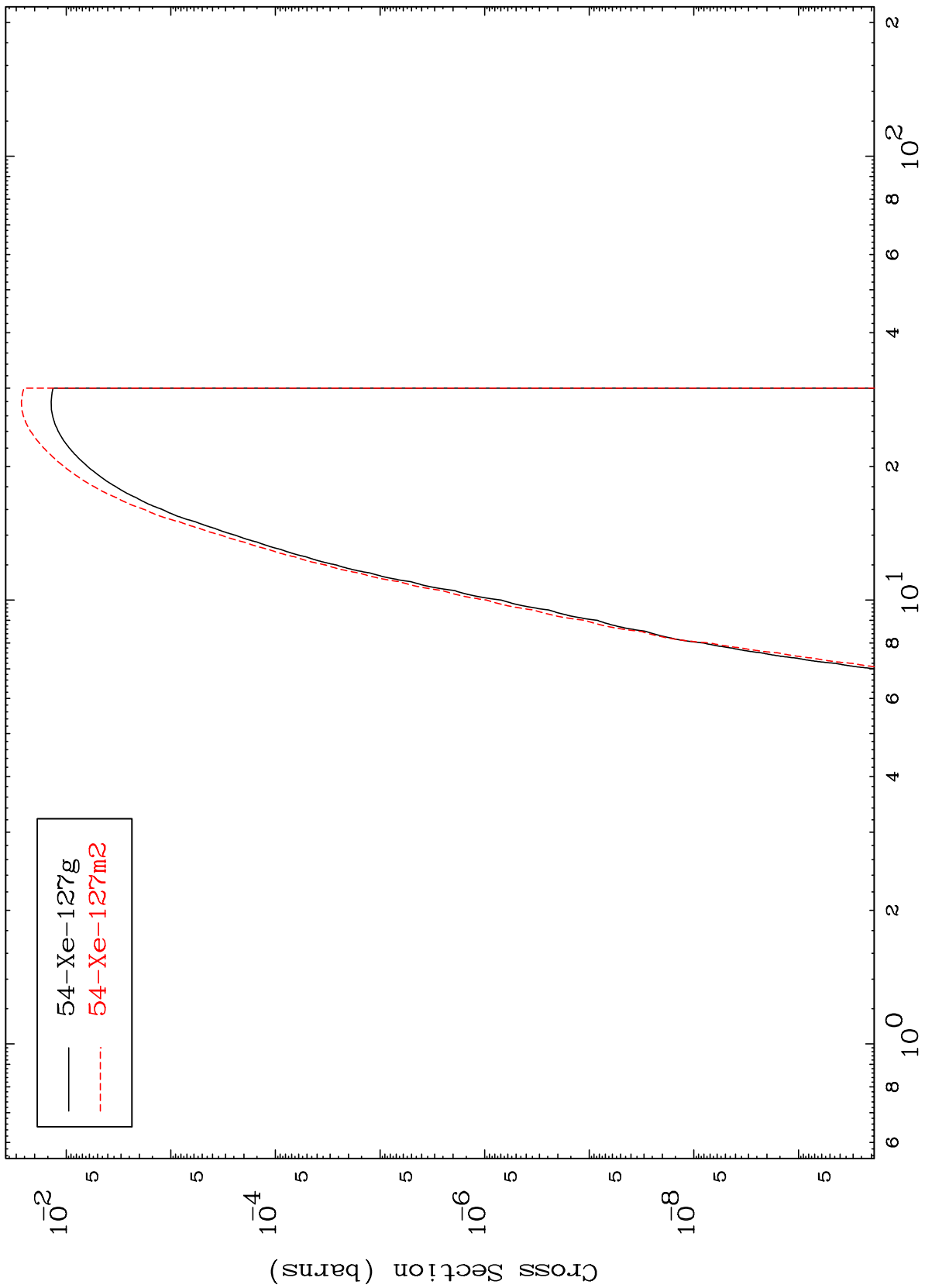
20

MAT 5629

(n,n') α

56-Ba-131m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

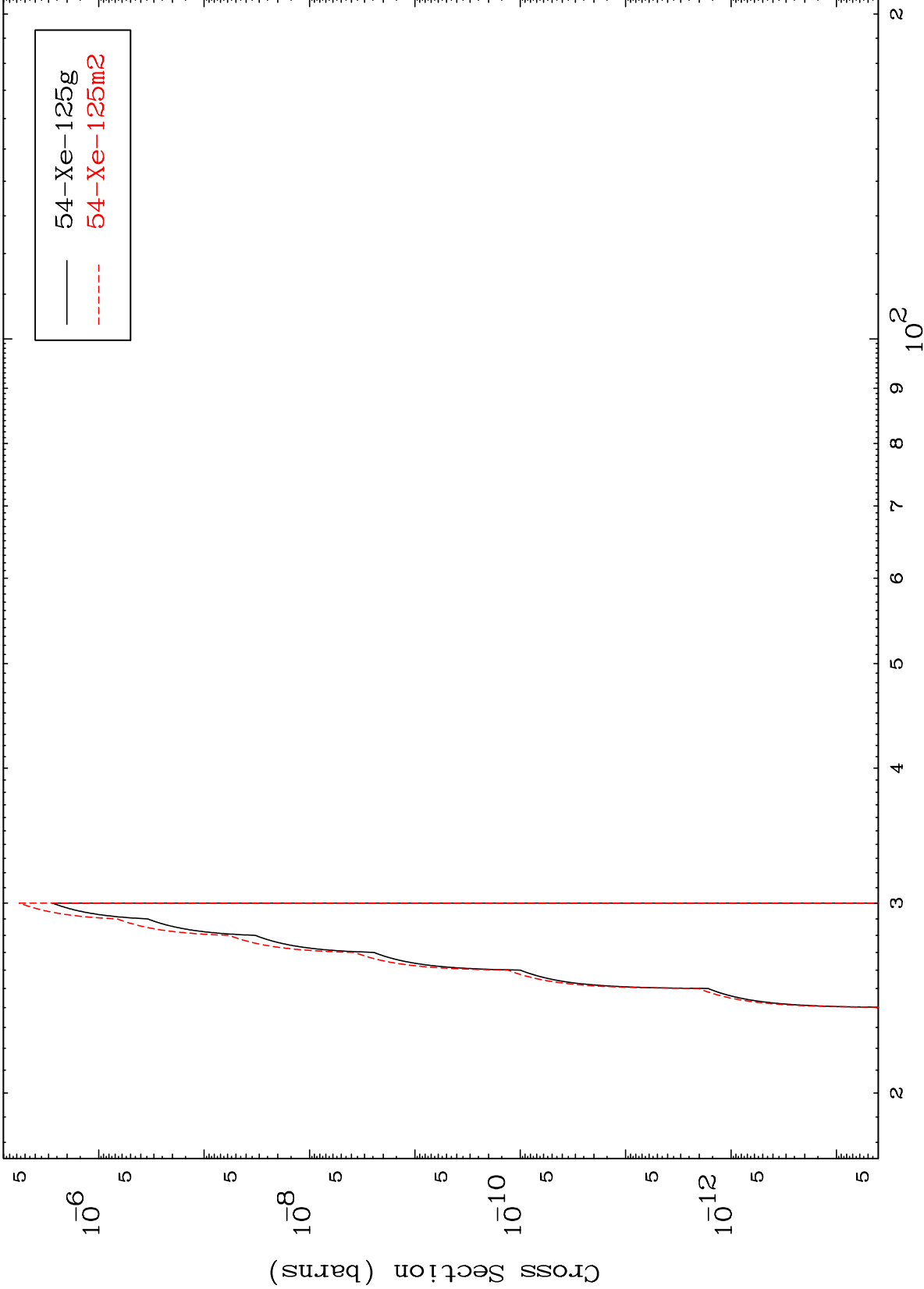
56-Ba-131m

MAT 5629

(n,3n) α

56-Ba-131m

Radionuclide Production Cross Section



54-Xe-125g
54-Xe-125m2

22

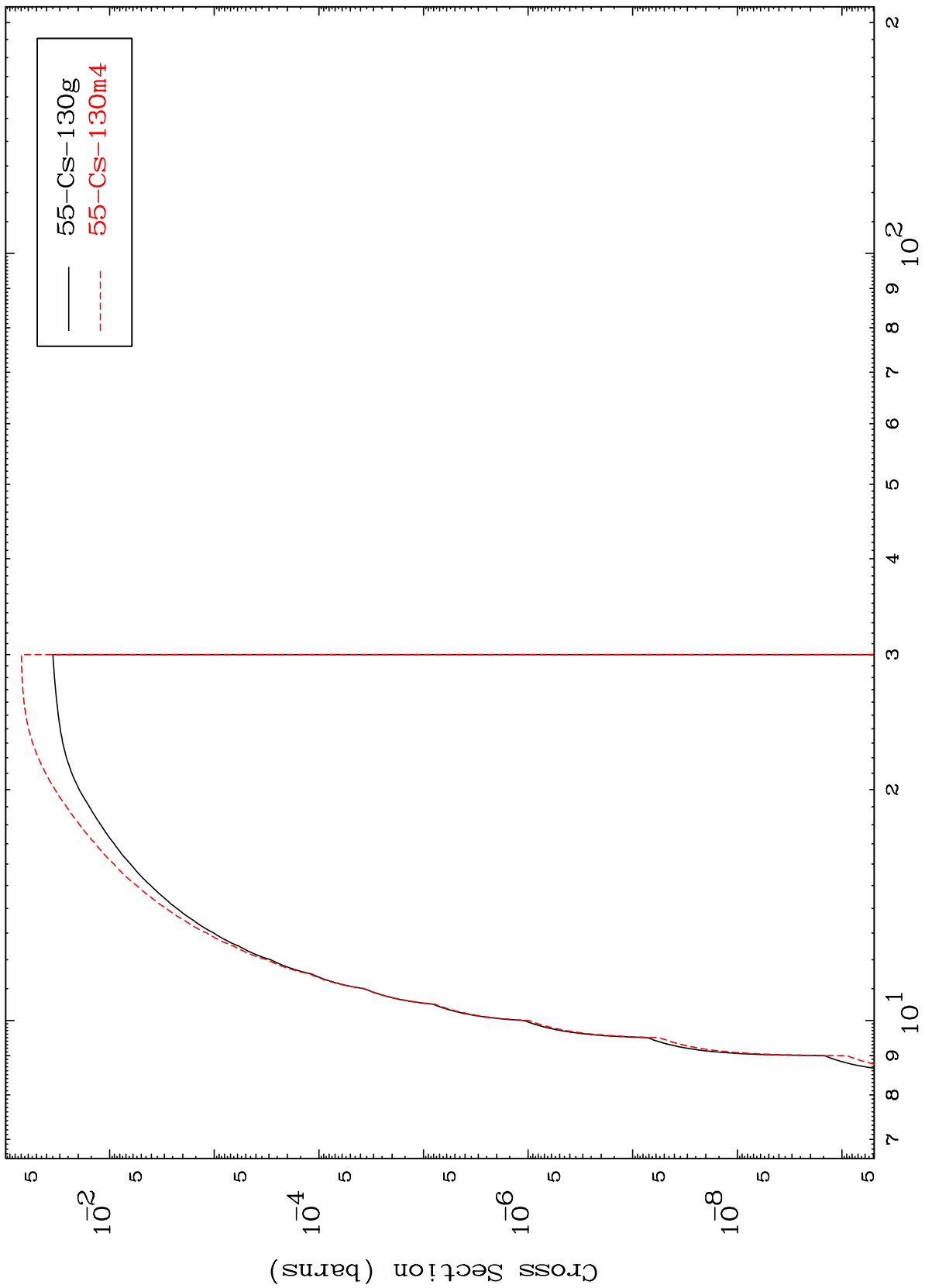
Incident Energy (MeV)

56-Ba-131m

MAT 5629

56-Ba-131m

(n,n') p
Radionuclide Production Cross Section



23

Incident Energy (MeV)

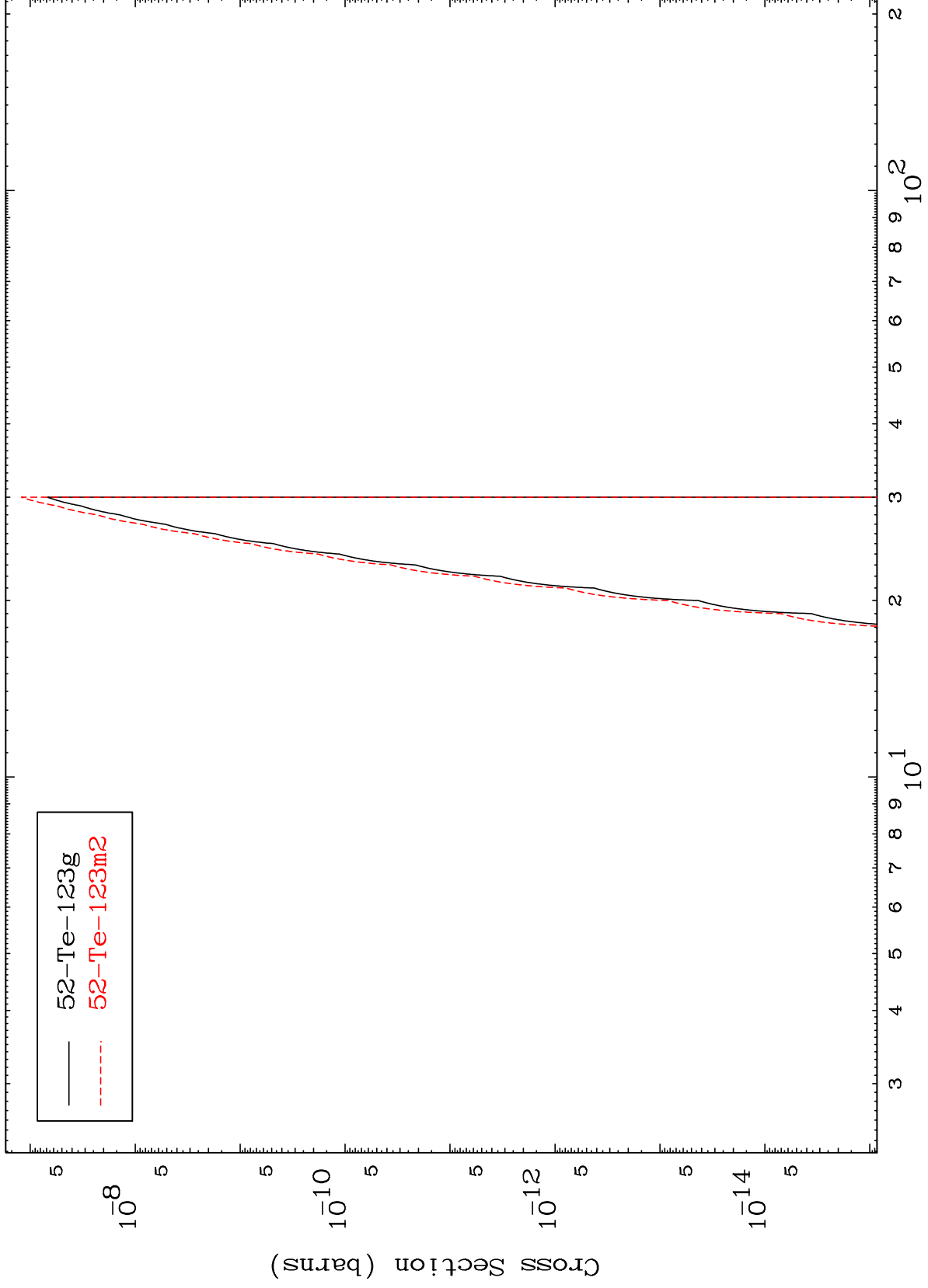
56-Ba-131m

MAT 5629

(n,n') 2α

56-Ba-131m

Radionuclide Production Cross Section

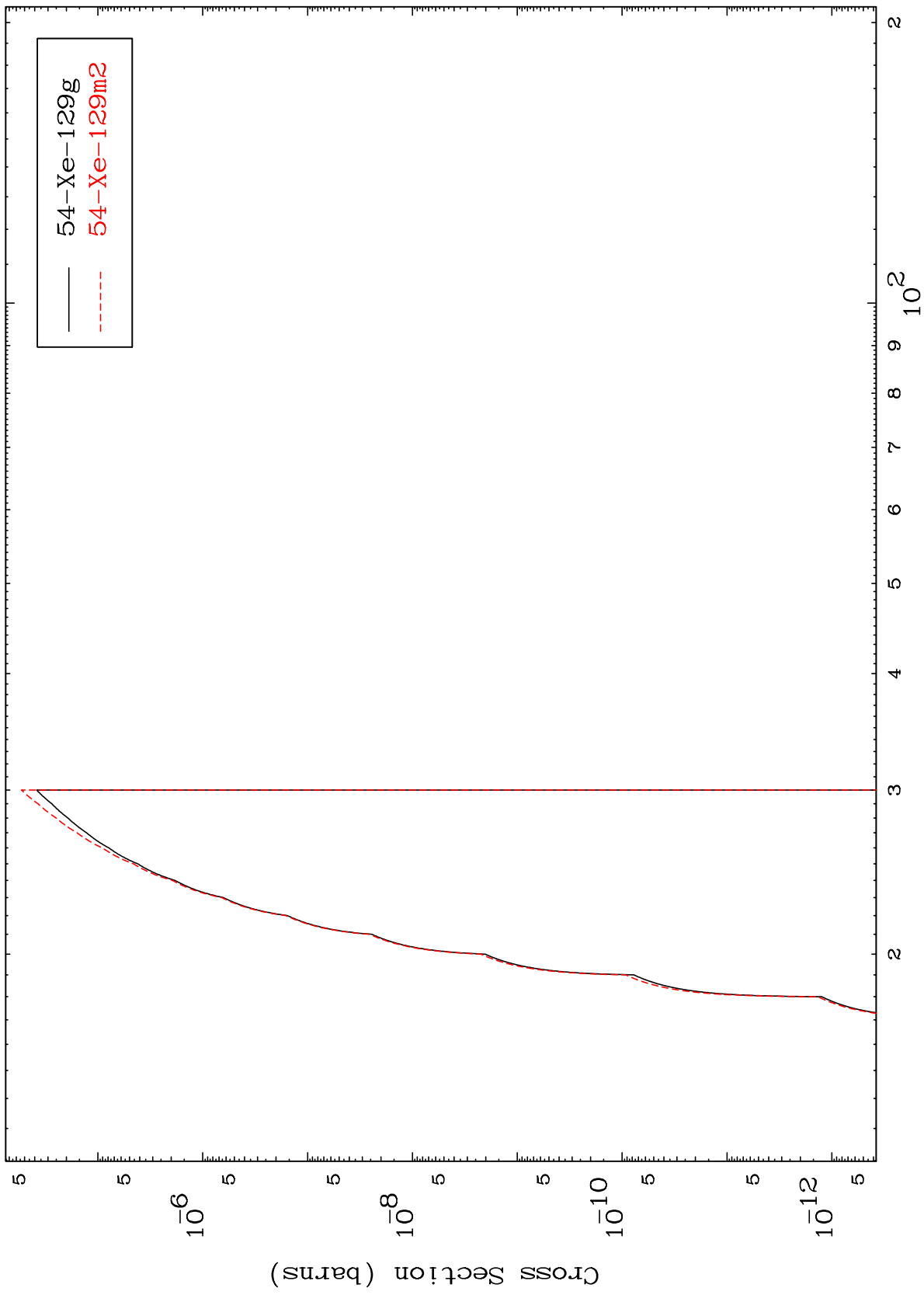


— 52-Te-123g
- - - 52-Te-123m2

MAT 5629

56-Ba-131m

(n,2n) p
Radionuclide Production Cross Section



25

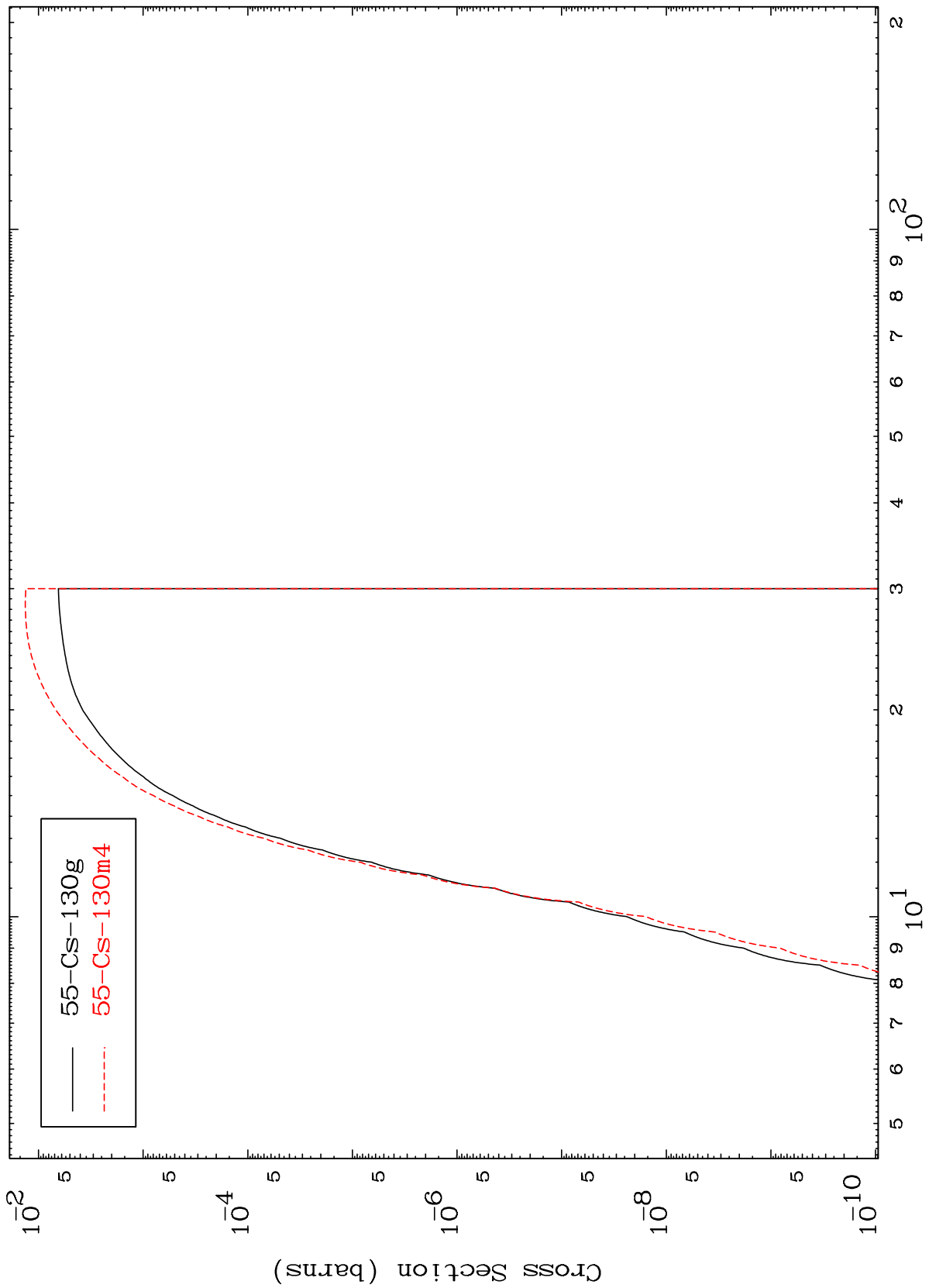
Incident Energy (MeV)

56-Ba-131m

MAT 5629

56-Ba-131m

(n,d)
Radionuclide Production Cross Section



26

Incident Energy (MeV)

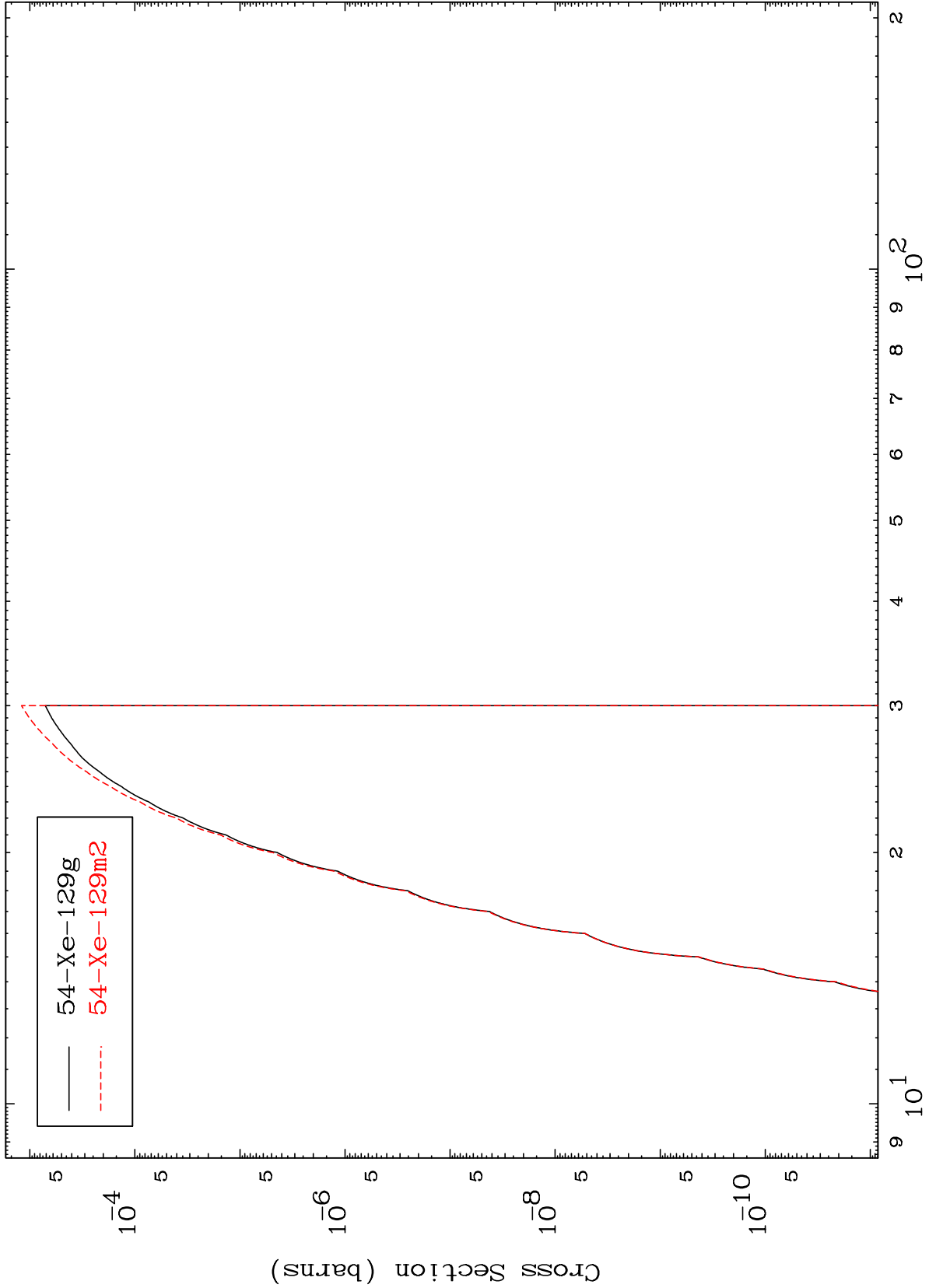
56-Ba-131m

MAT 5629

(n,He-3)

56-Ba-131m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

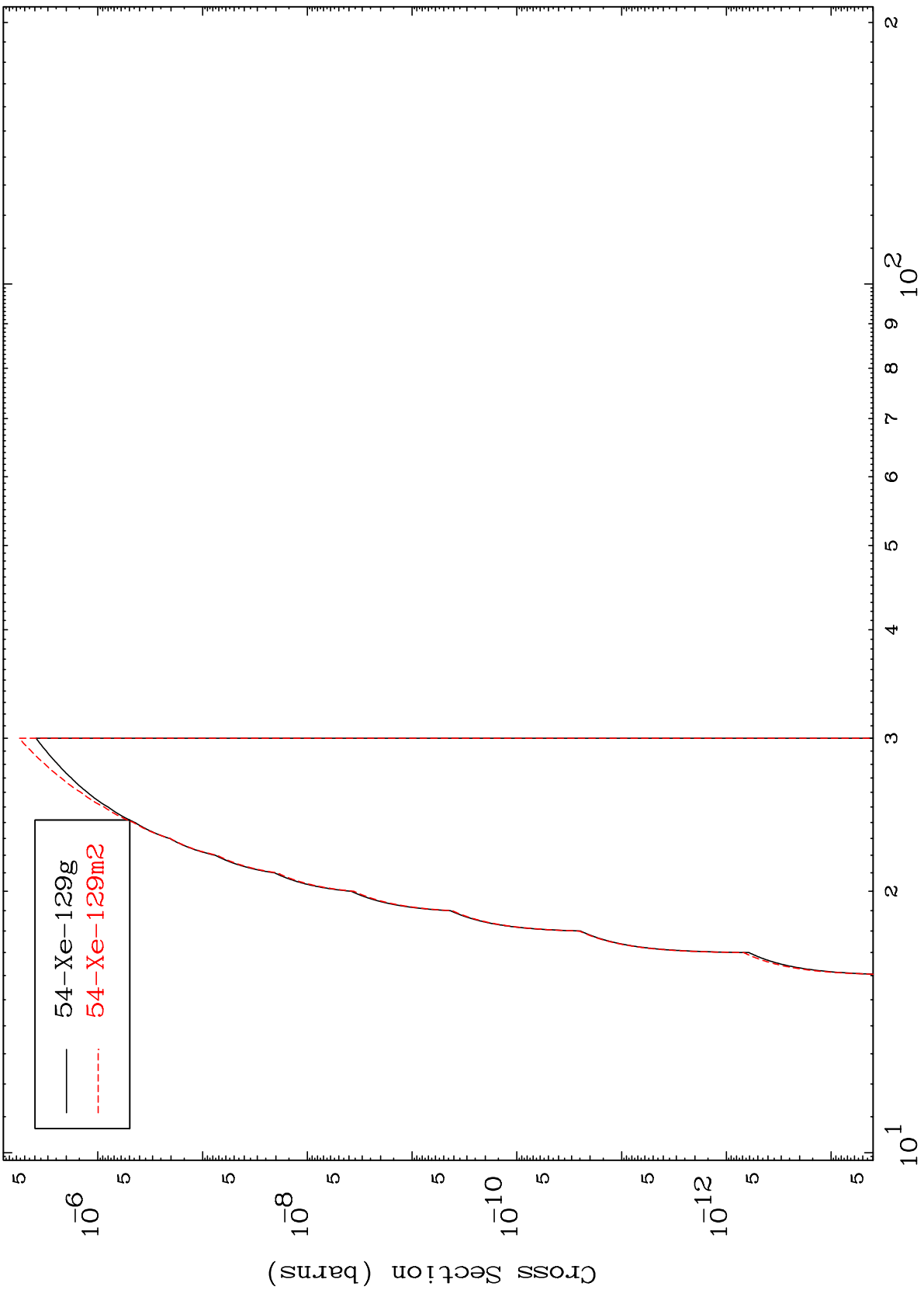
56-Ba-131m

MAT 5629

(n,p) d

56-Ba-131m

Radionuclide Production Cross Section



Incident Energy (MeV)

56-Ba-131m

28