

Program EVALPLOT
(Version 2021-1)

by

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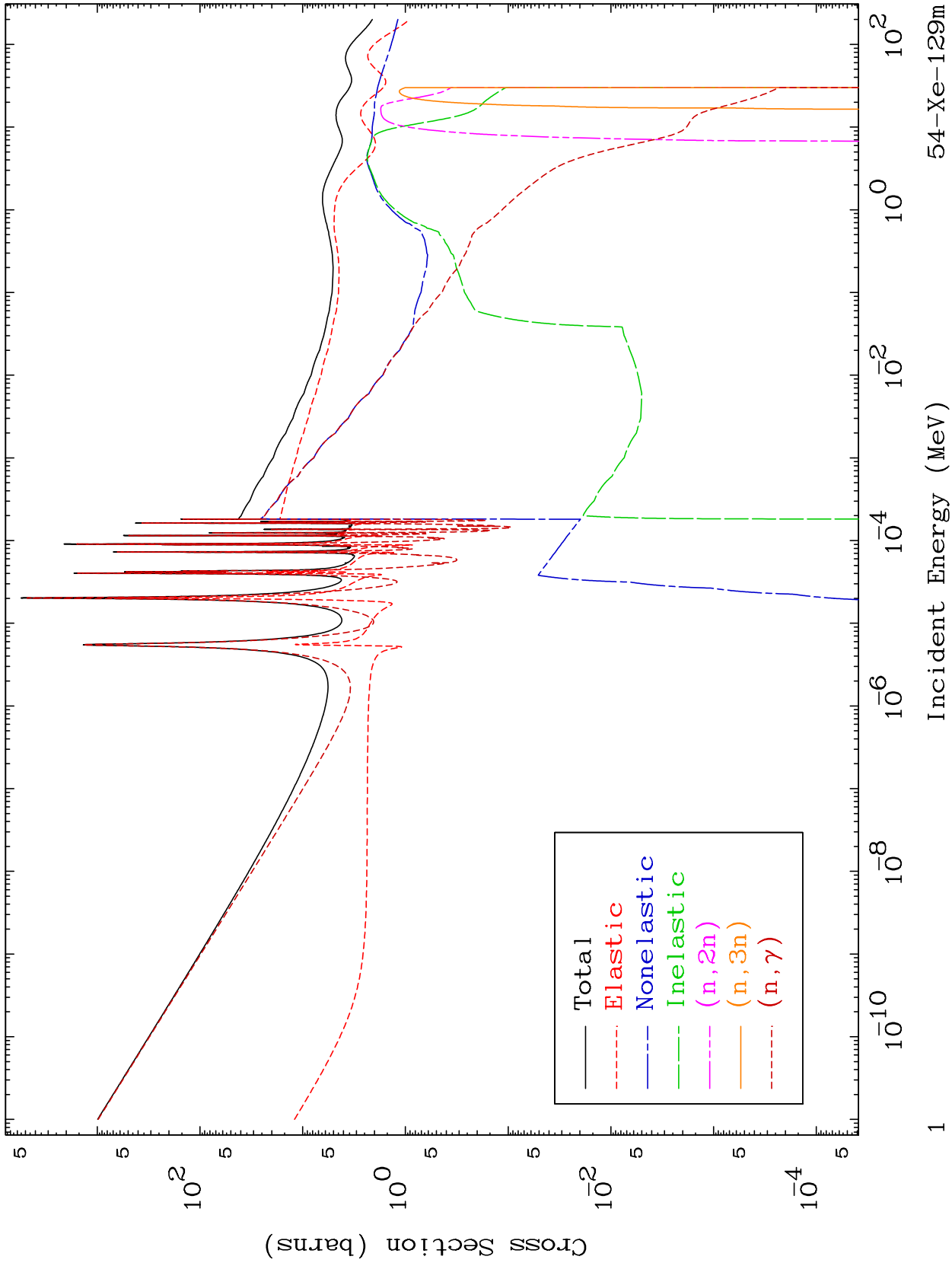
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5441

Neutron Major
293 Kelvin Cross Sections

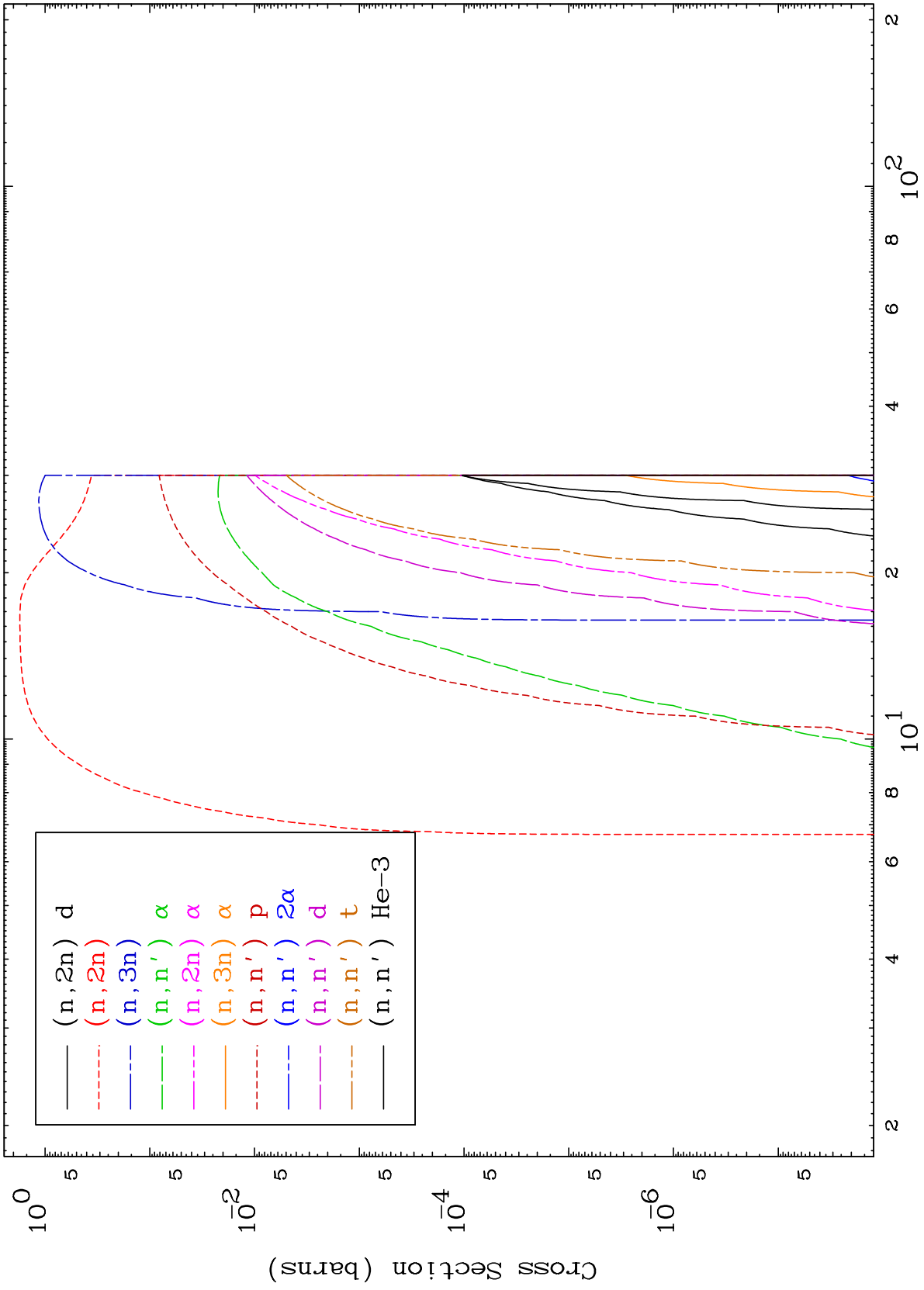
54-Xe-129m



MAT 5441

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-129m



2

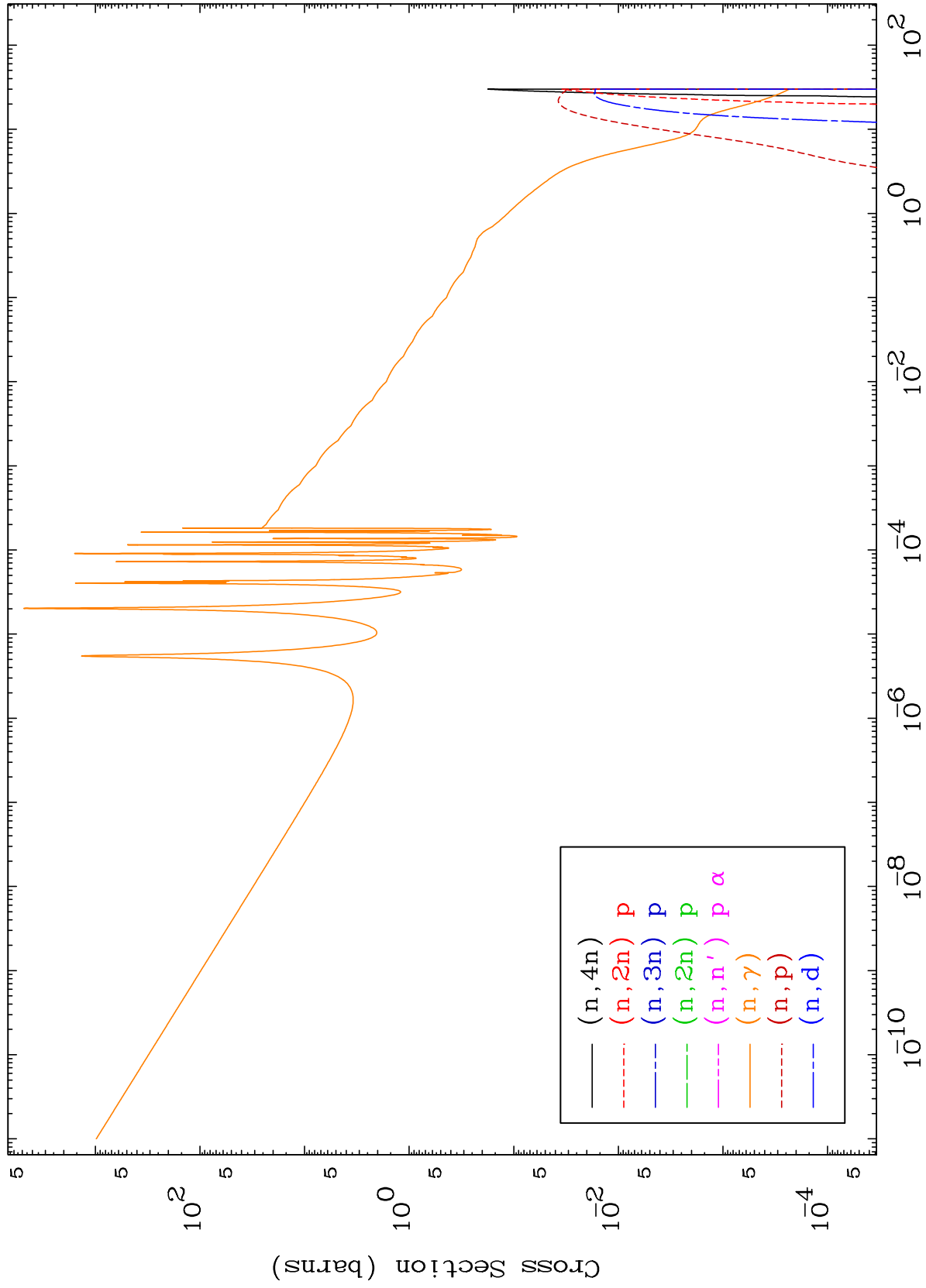
Incident Energy (MeV)

54-Xe-129m

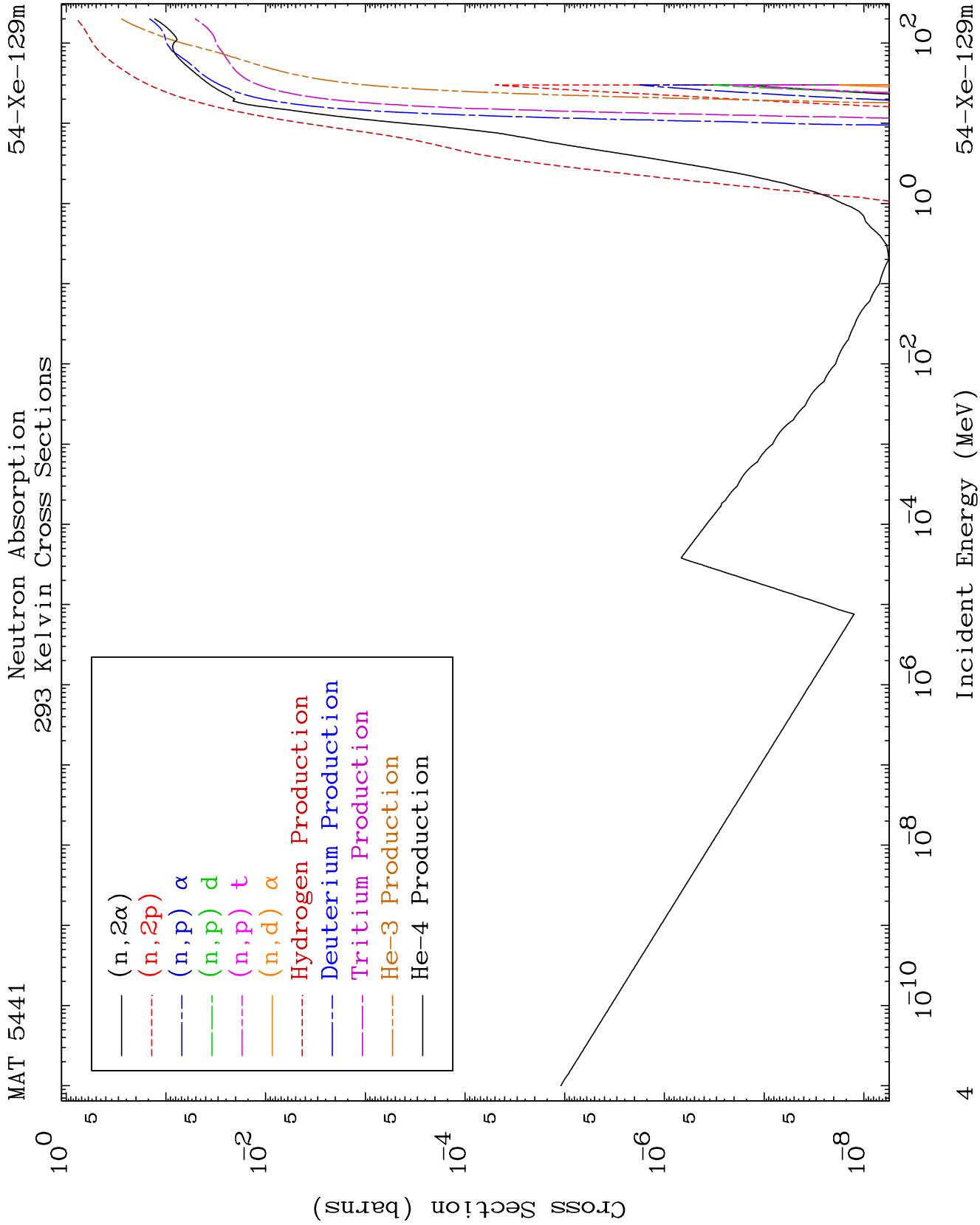
MAT 5441

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-129m



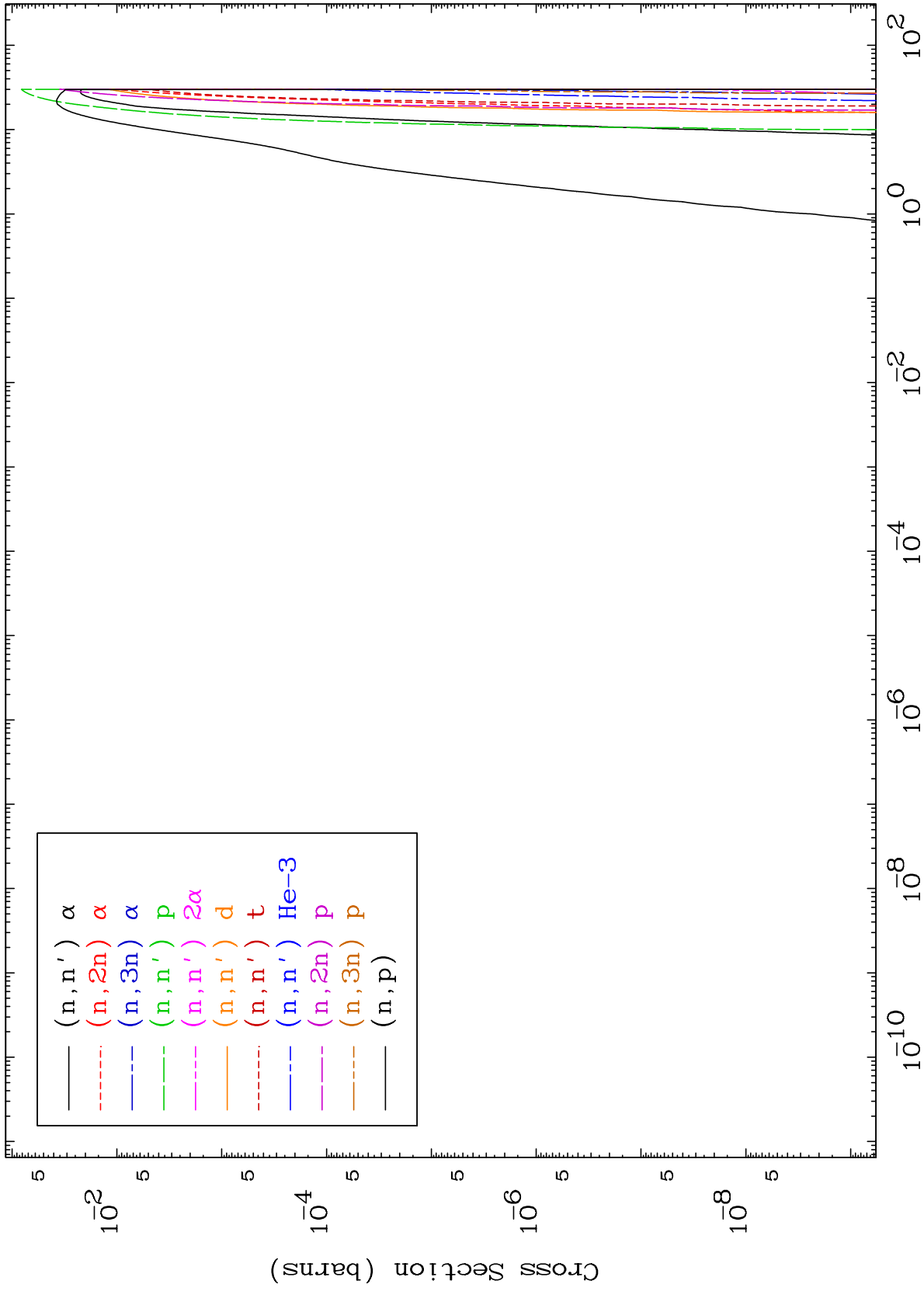
54-Xe-129m



MAT 5441

Charged Particle
293 Kelvin Cross Sections

54-Xe-129m



5

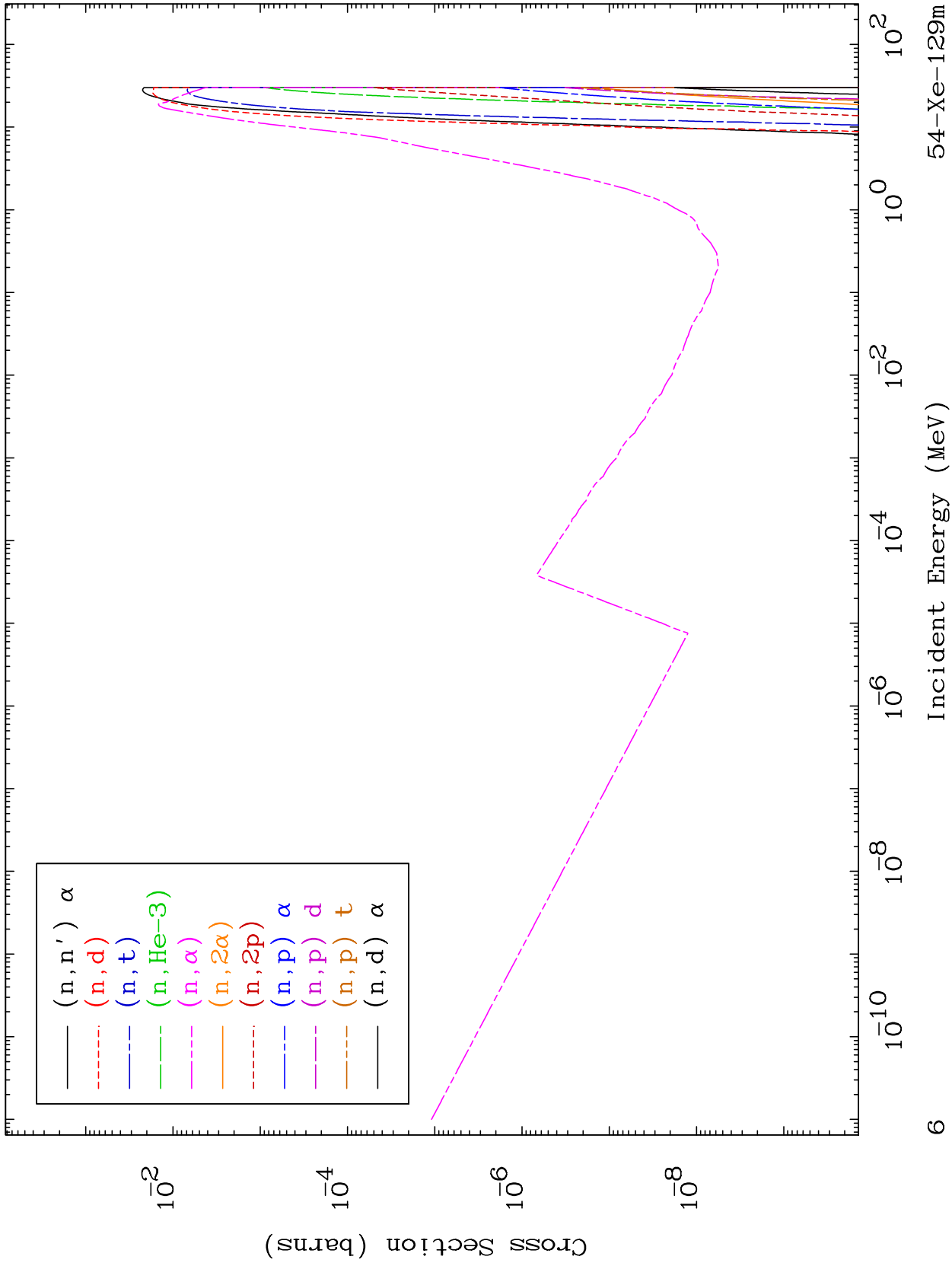
Incident Energy (MeV)

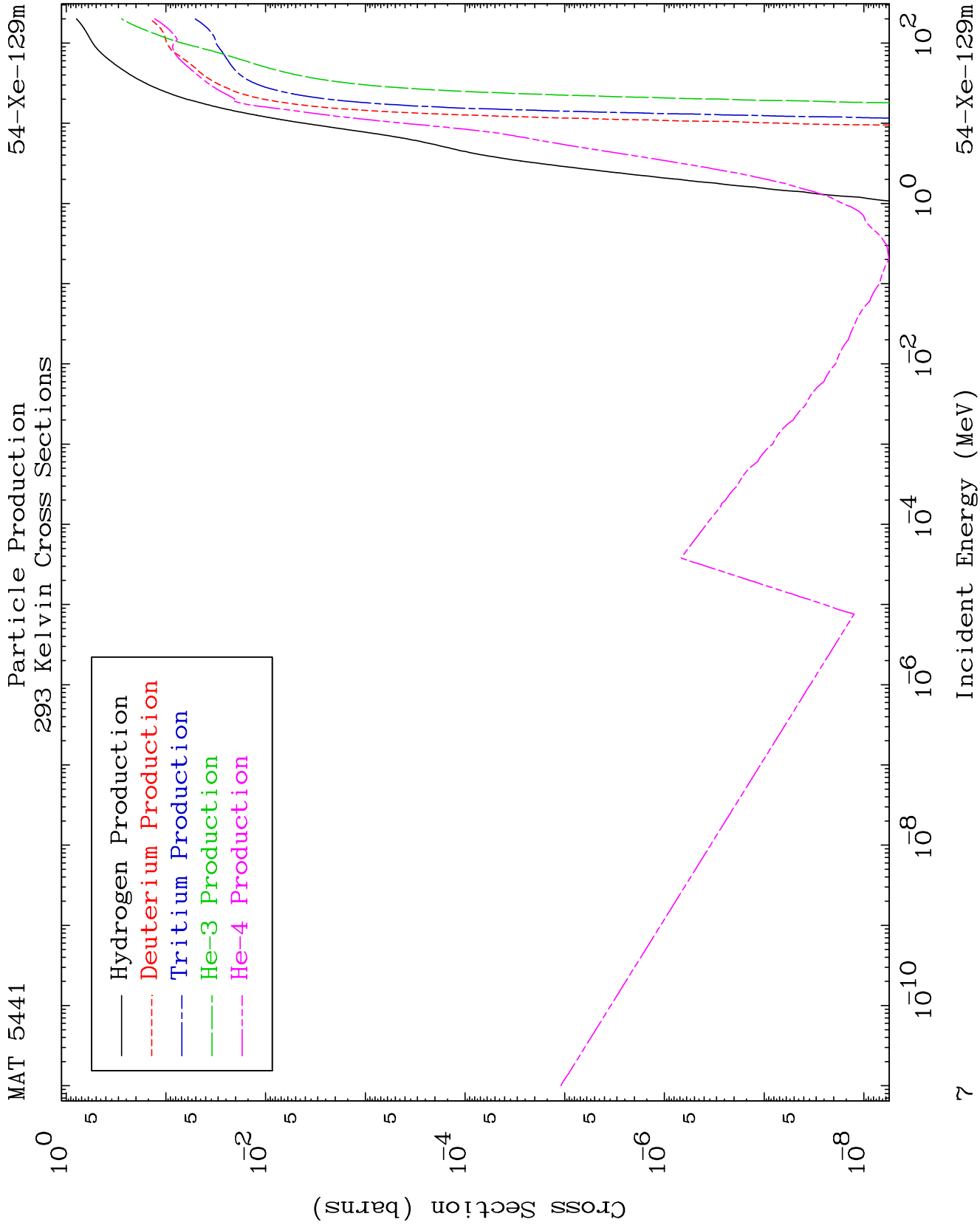
54-Xe-129m

MAT 5441

Charged Particle
293 Kelvin Cross Sections

54-Xe-129m

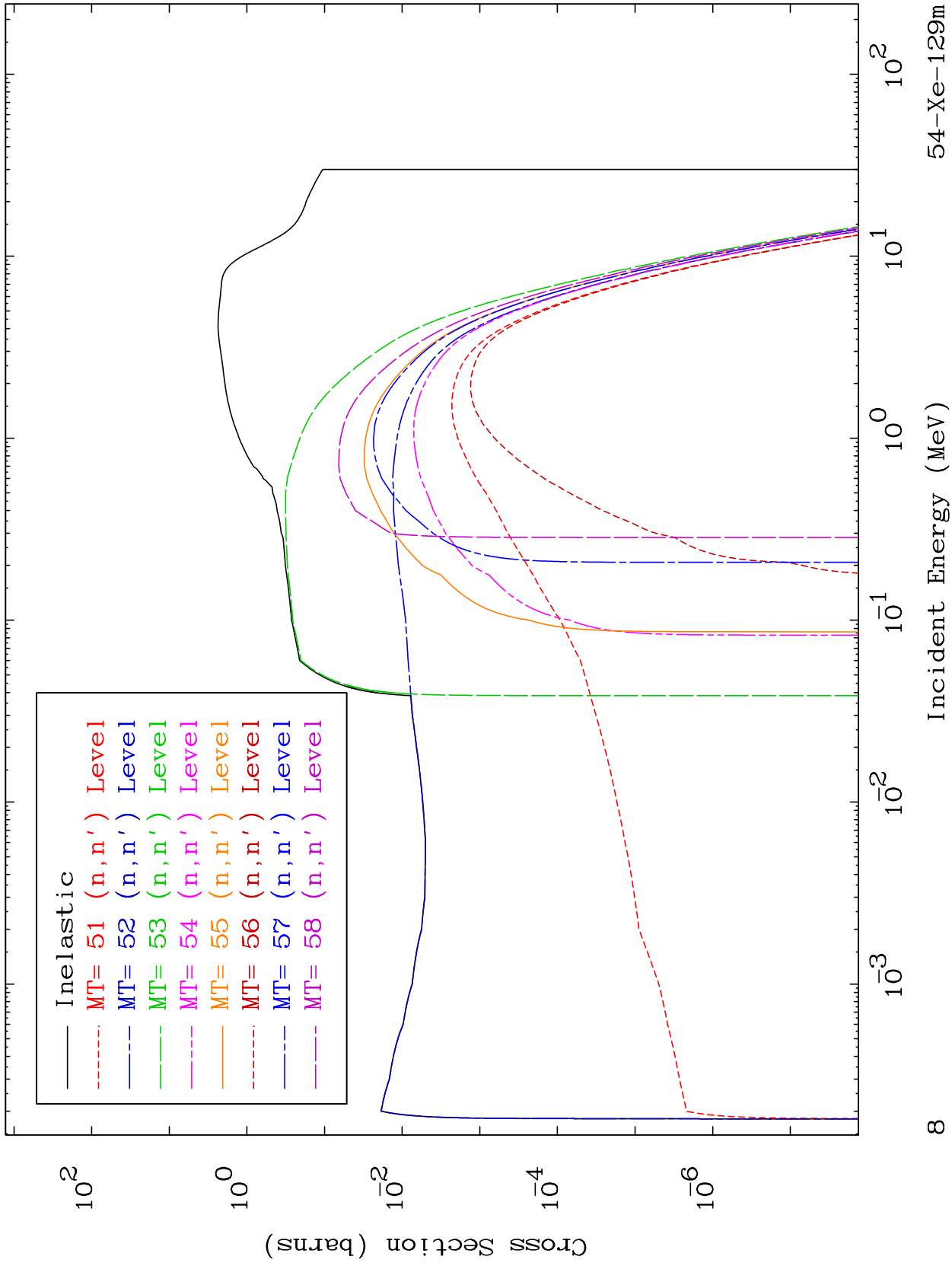




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(n,n') Levels
293 Kelvin Cross Sections

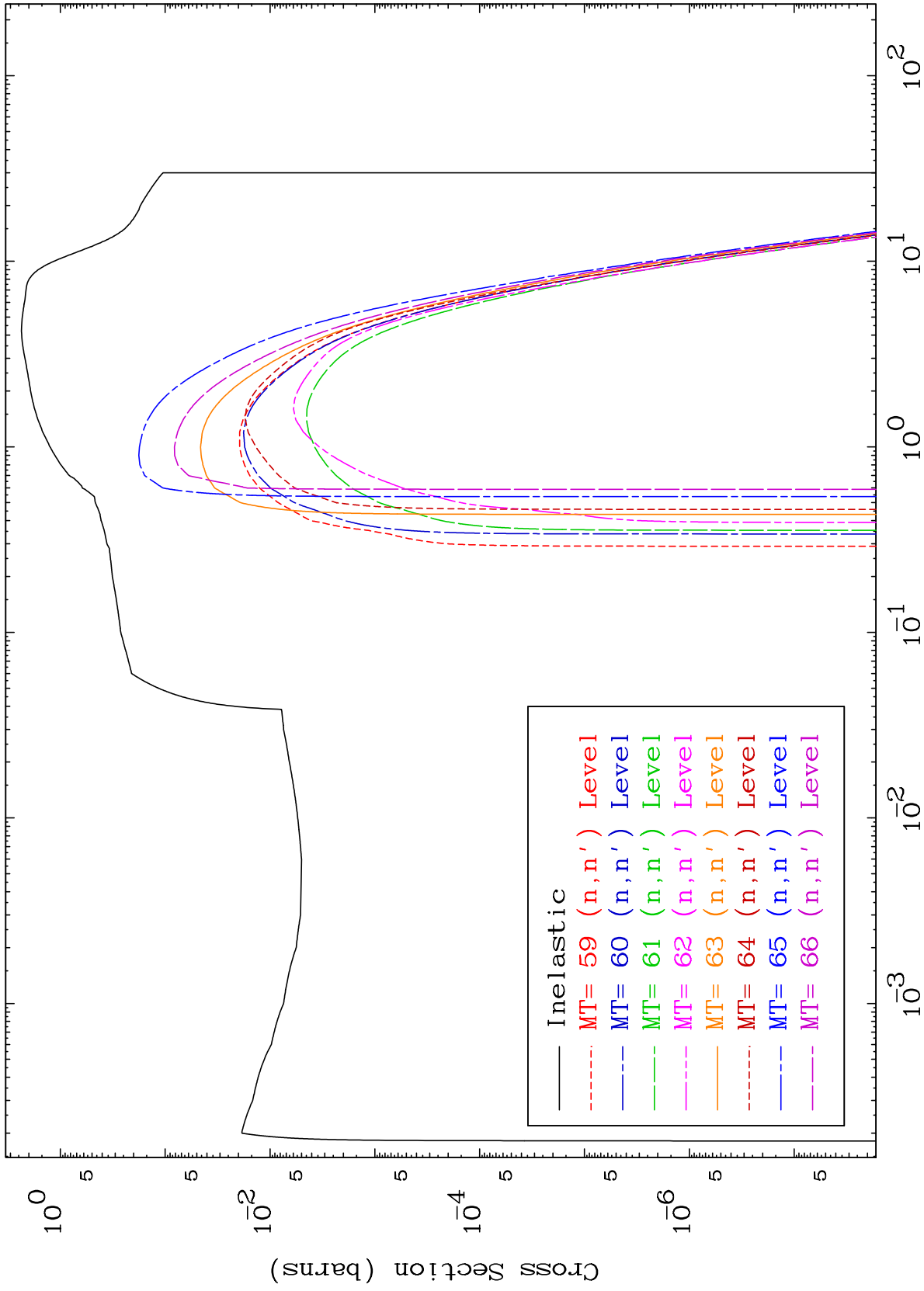
54-Xe-129m



MAT 5441

(n,n') Levels
293 Kelvin Cross Sections

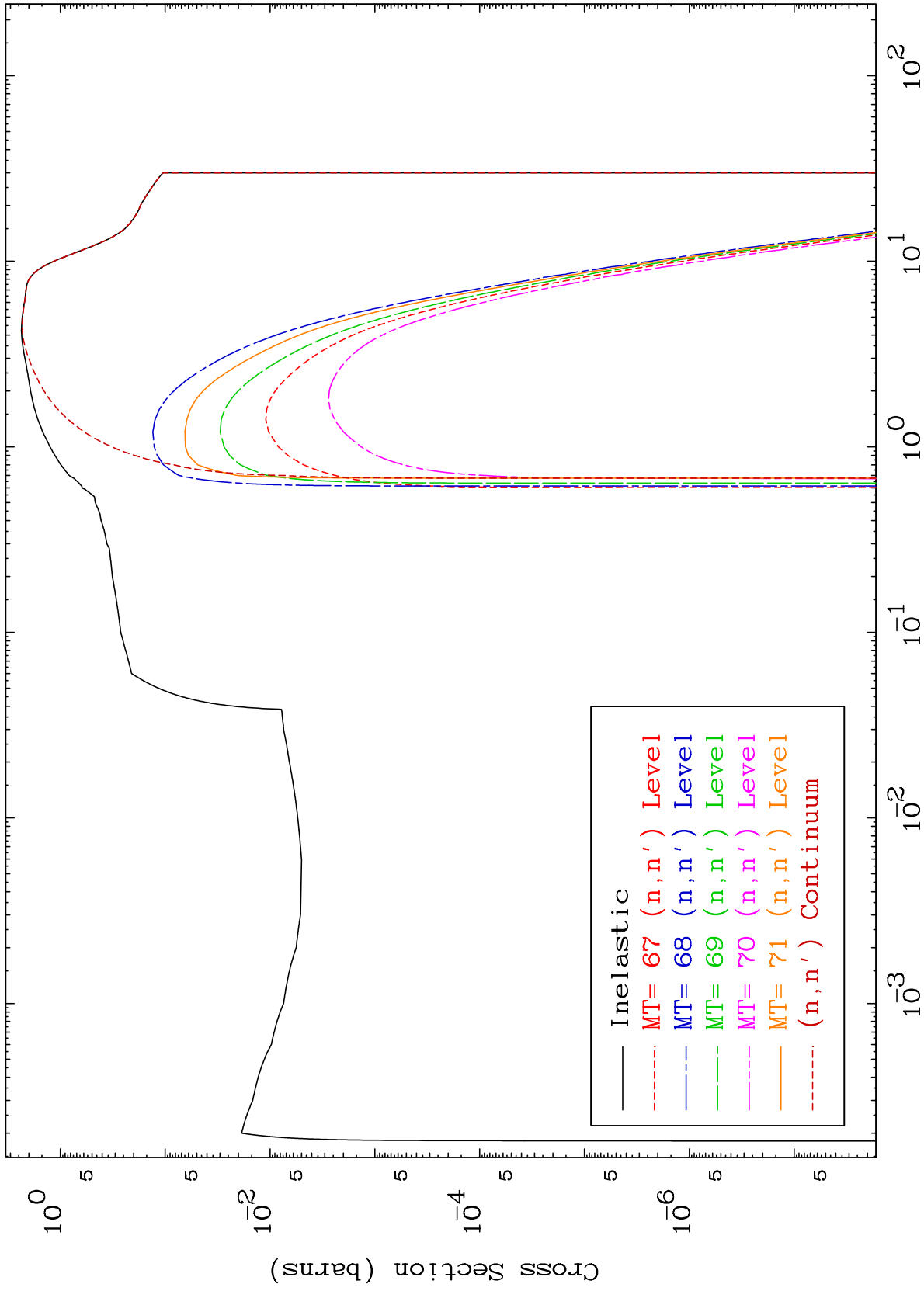
54-Xe-129m



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(n,n') Levels
293 Kelvin Cross Sections

54-Xe-129m



10

10^{-3}

10^{-2}

10^{-1}

10^0

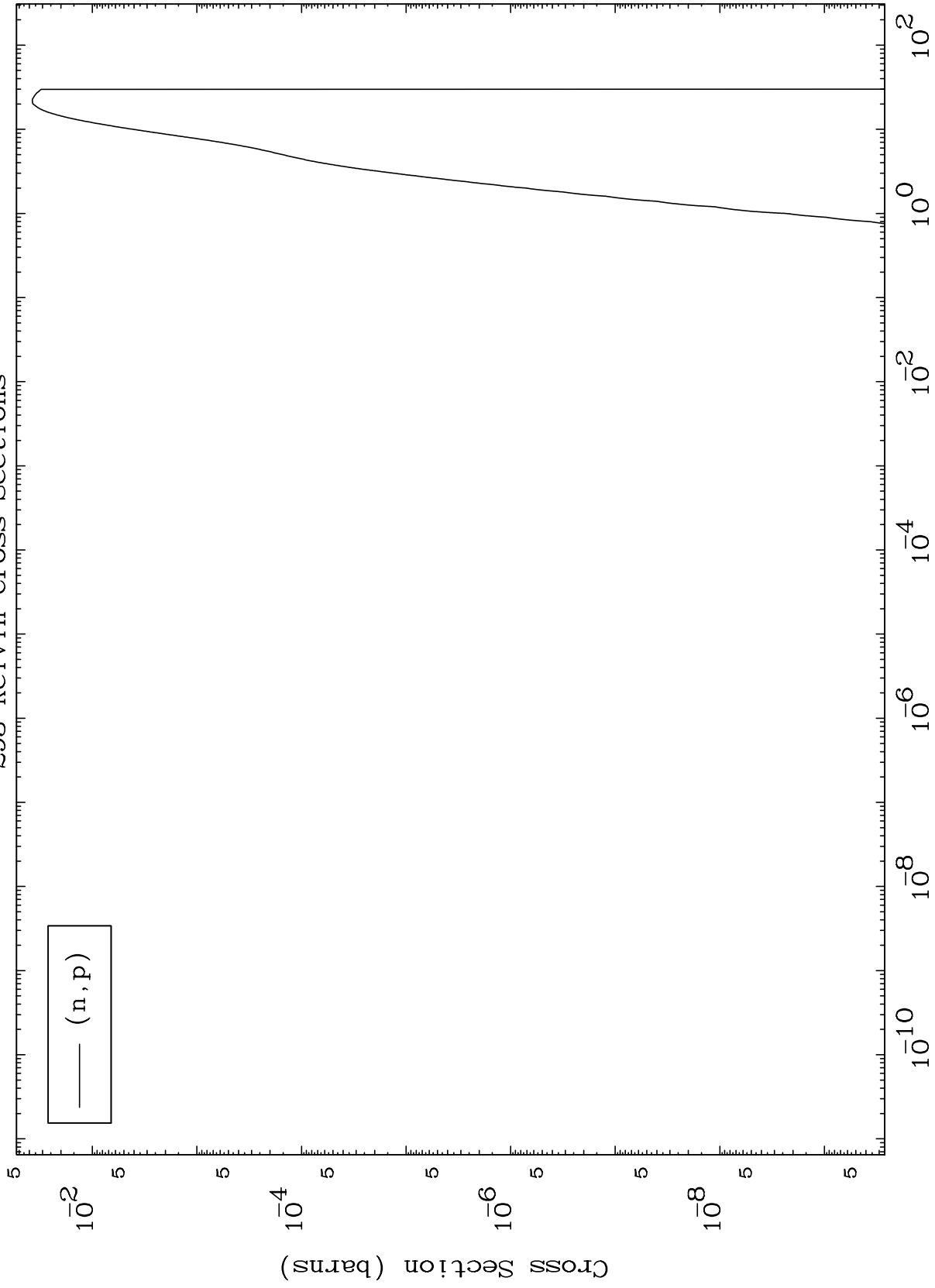
10^1

10^2

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(n,p) Levels
293 Kelvin Cross Sections

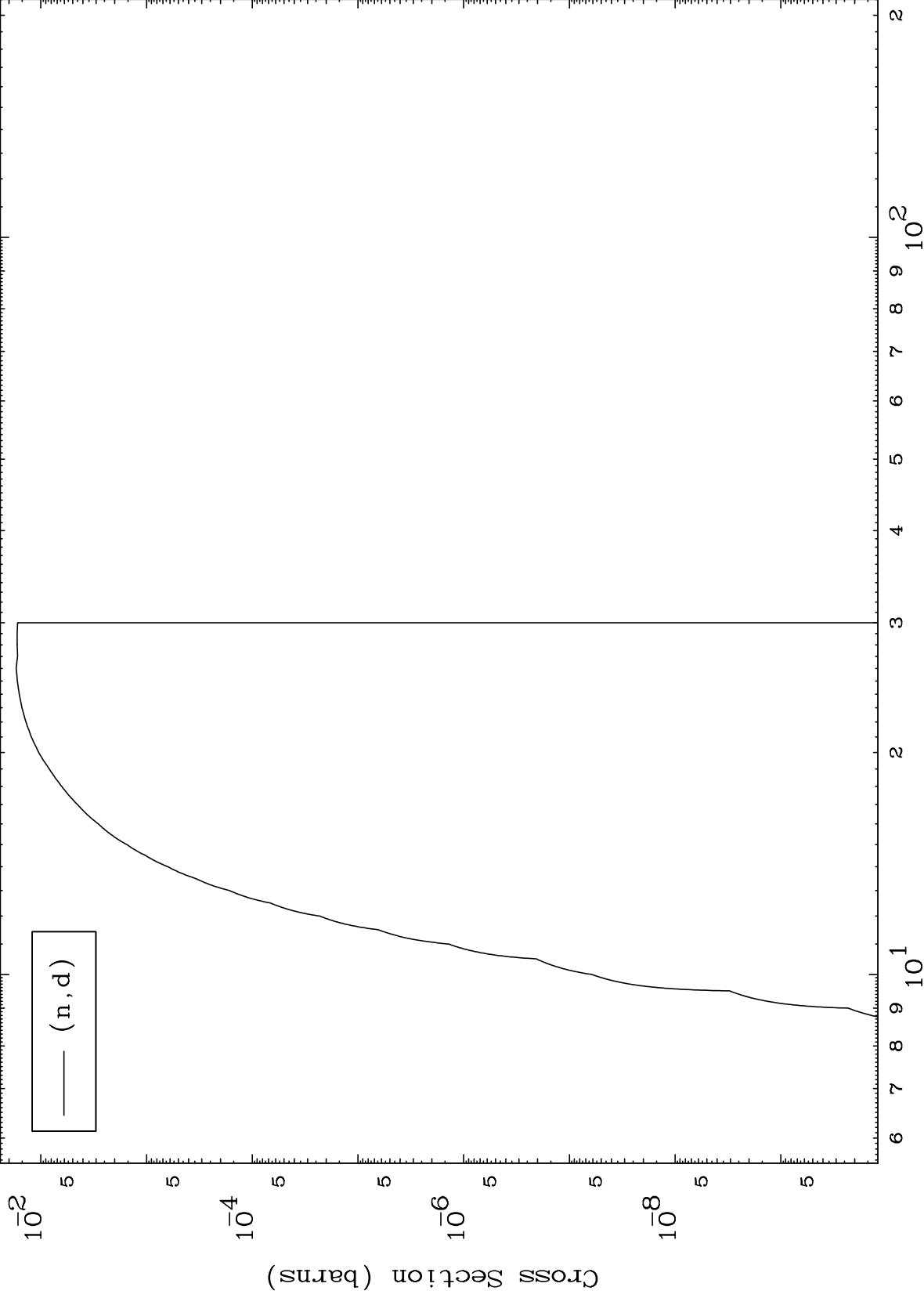
54-Xe-129m



MAT 5441

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-129m



12

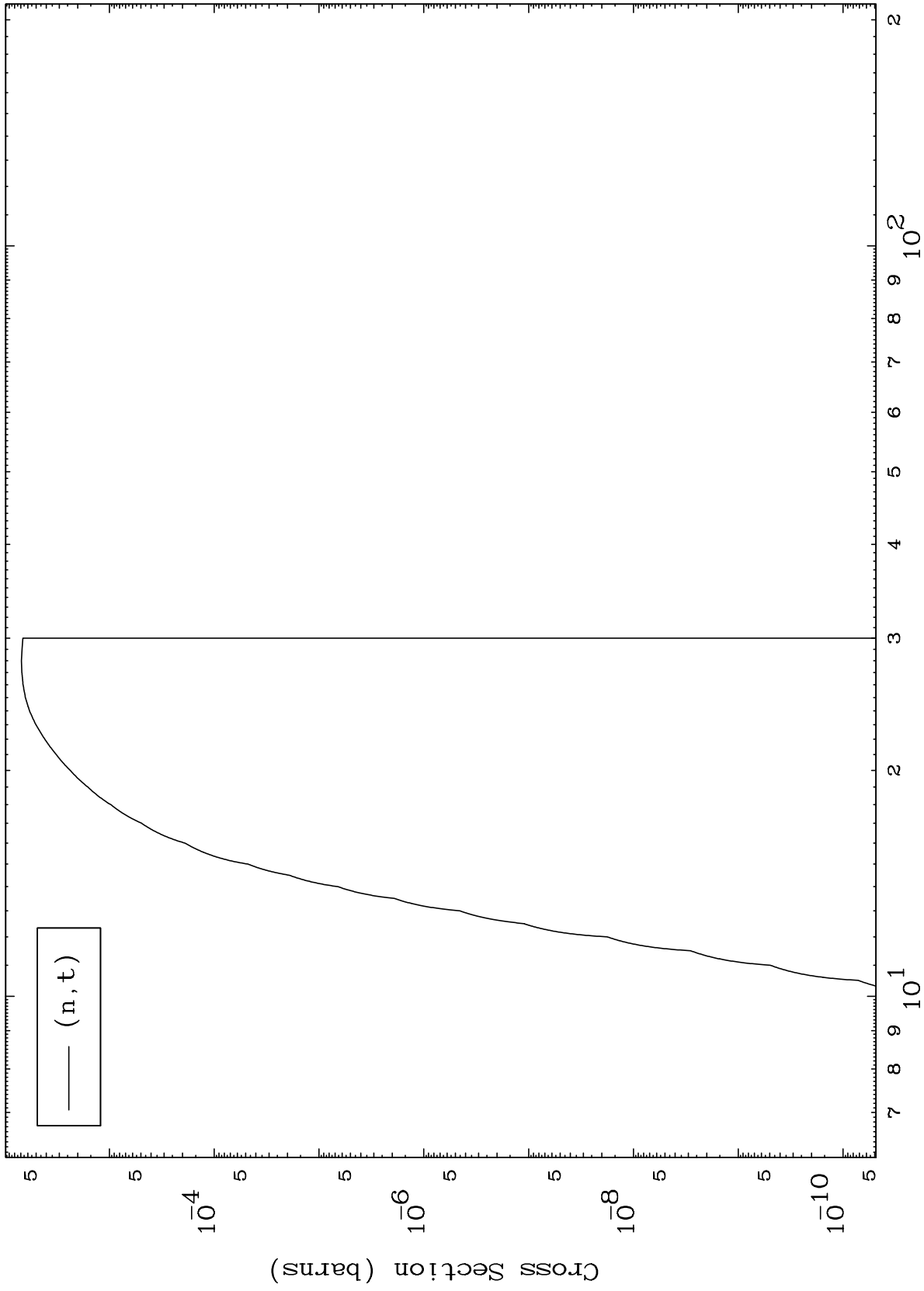
Incident Energy (MeV)

54-Xe-129m

MAT 5441

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-129m



13

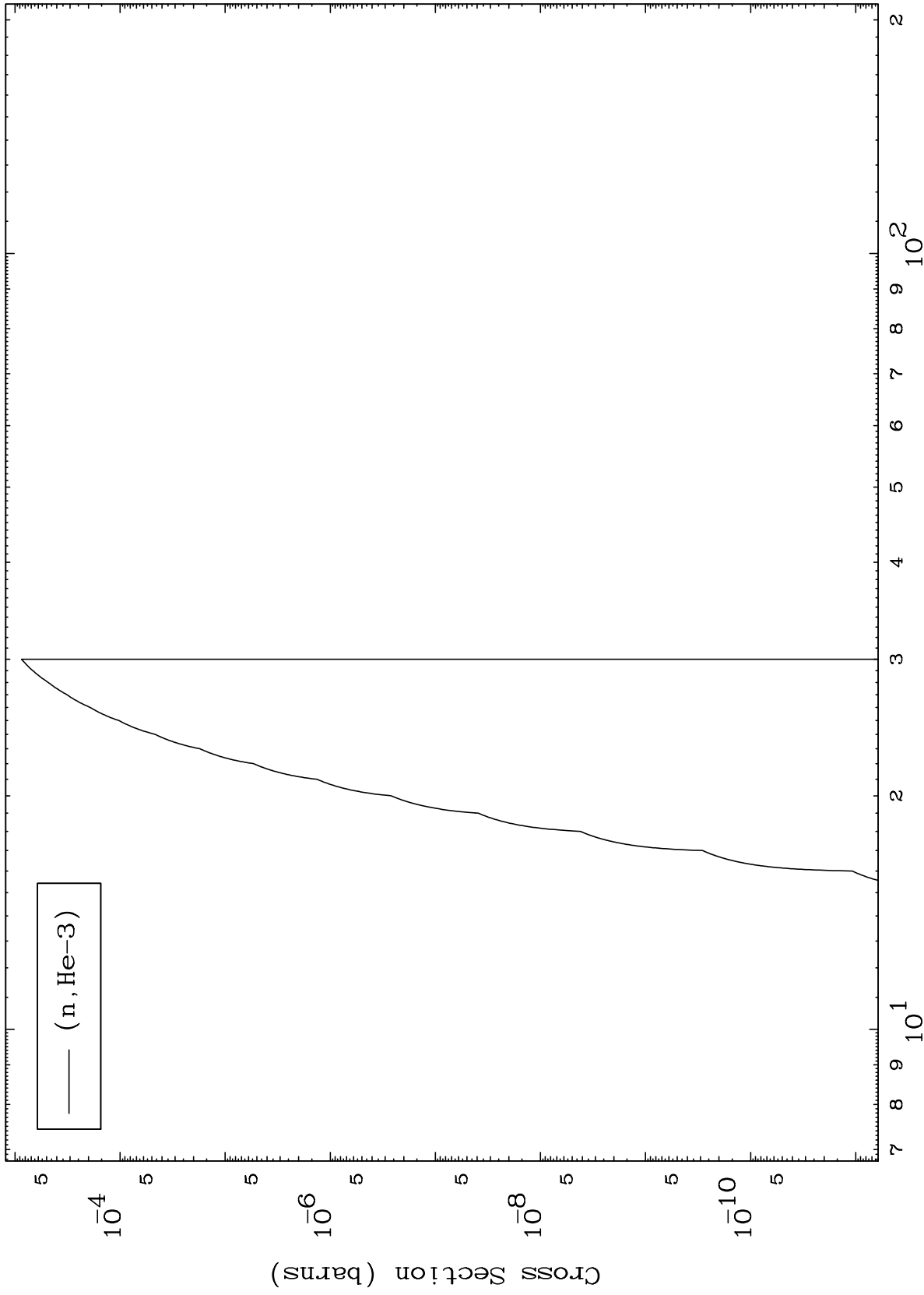
Incident Energy (MeV)

54-Xe-129m

MAT 5441

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-129m



14

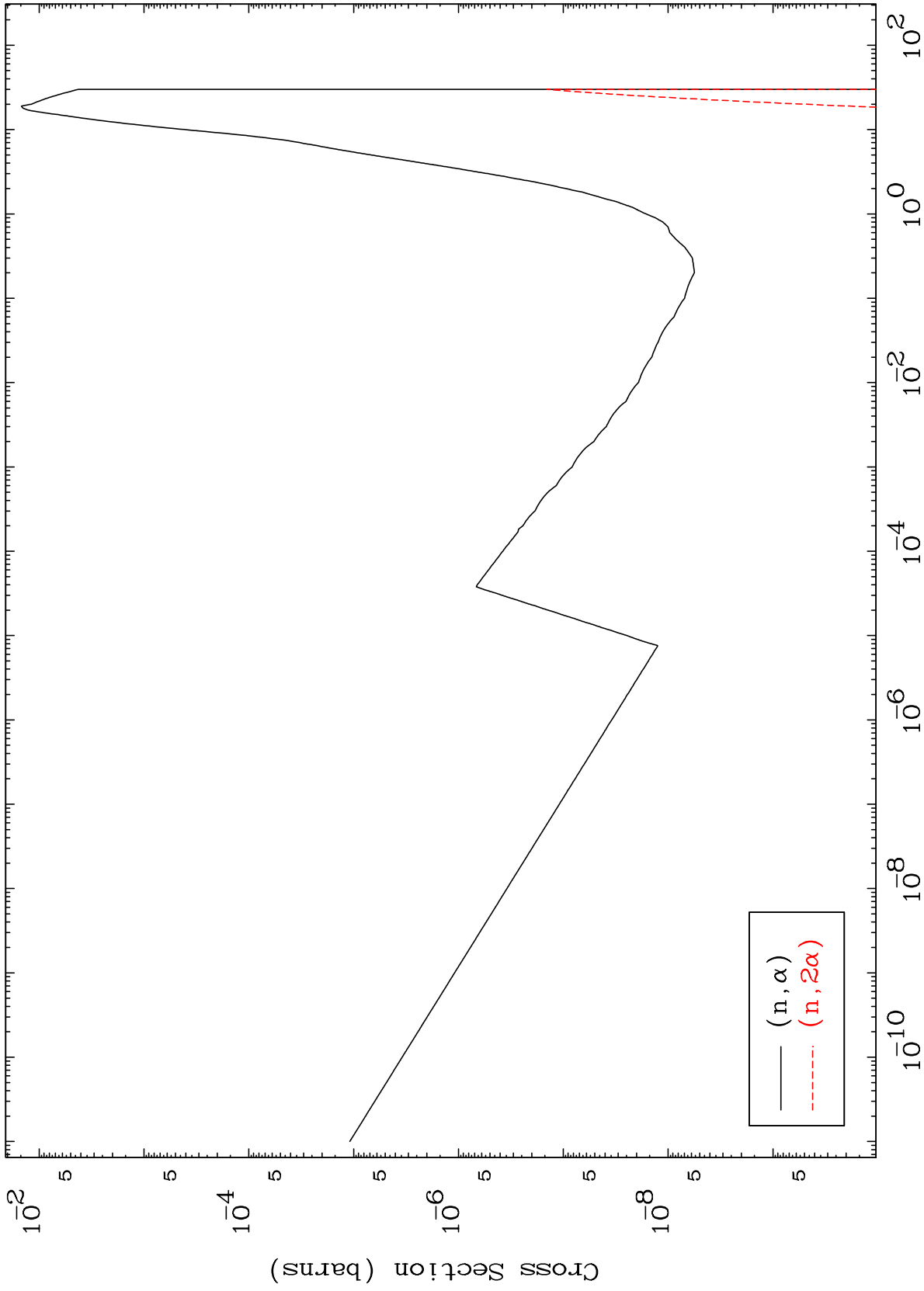
Incident Energy (MeV)

54-Xe-129m

MAT 5441

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-129m



15

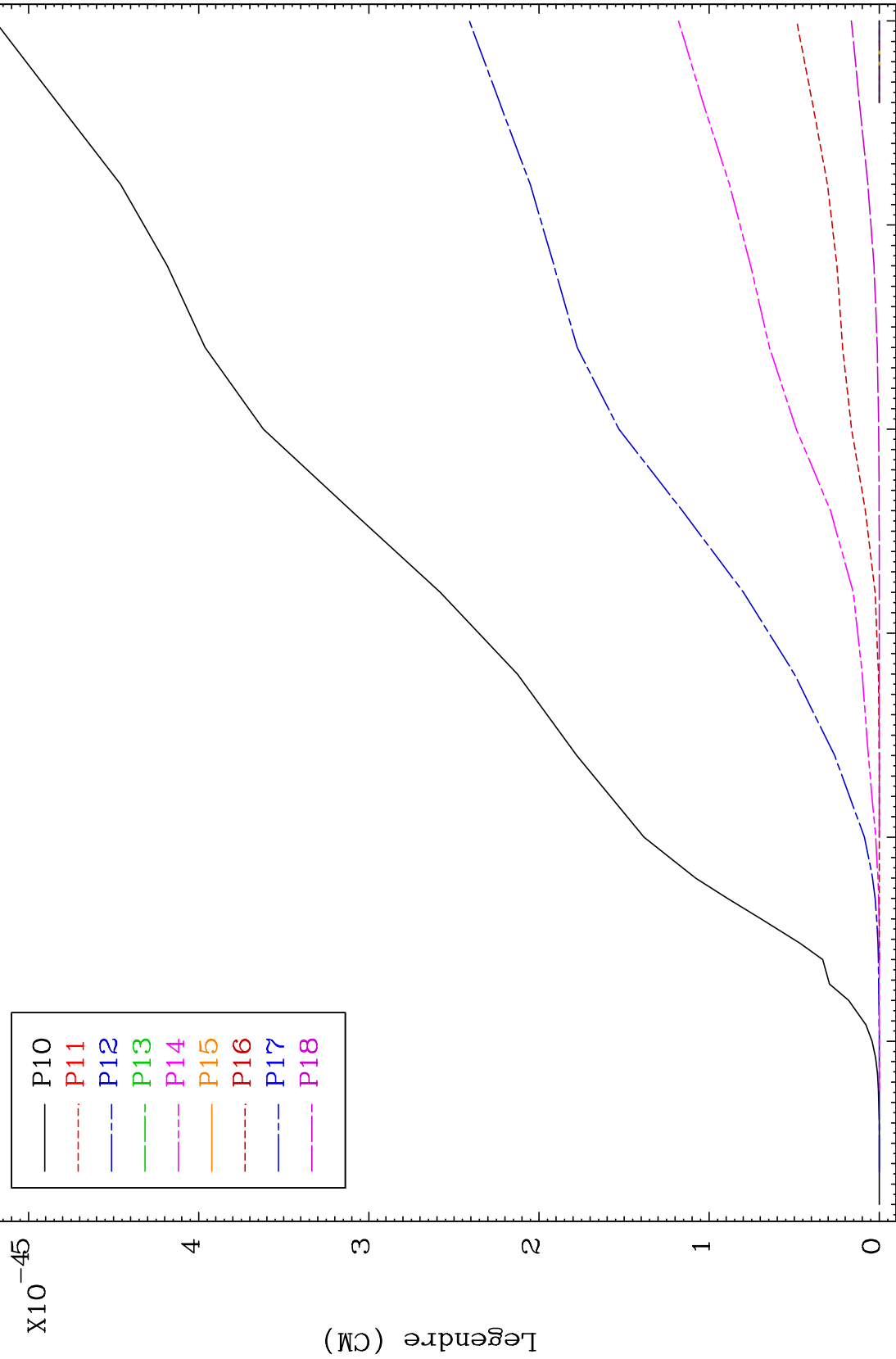
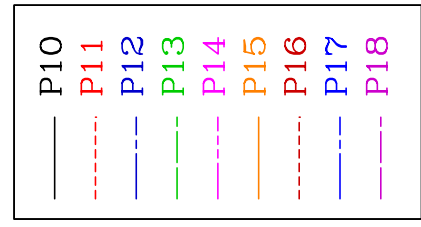
Incident Energy (MeV)

54-Xe-129m

MAT 5441

Elastic Legendre Coefficients

54-Xe-129m



17

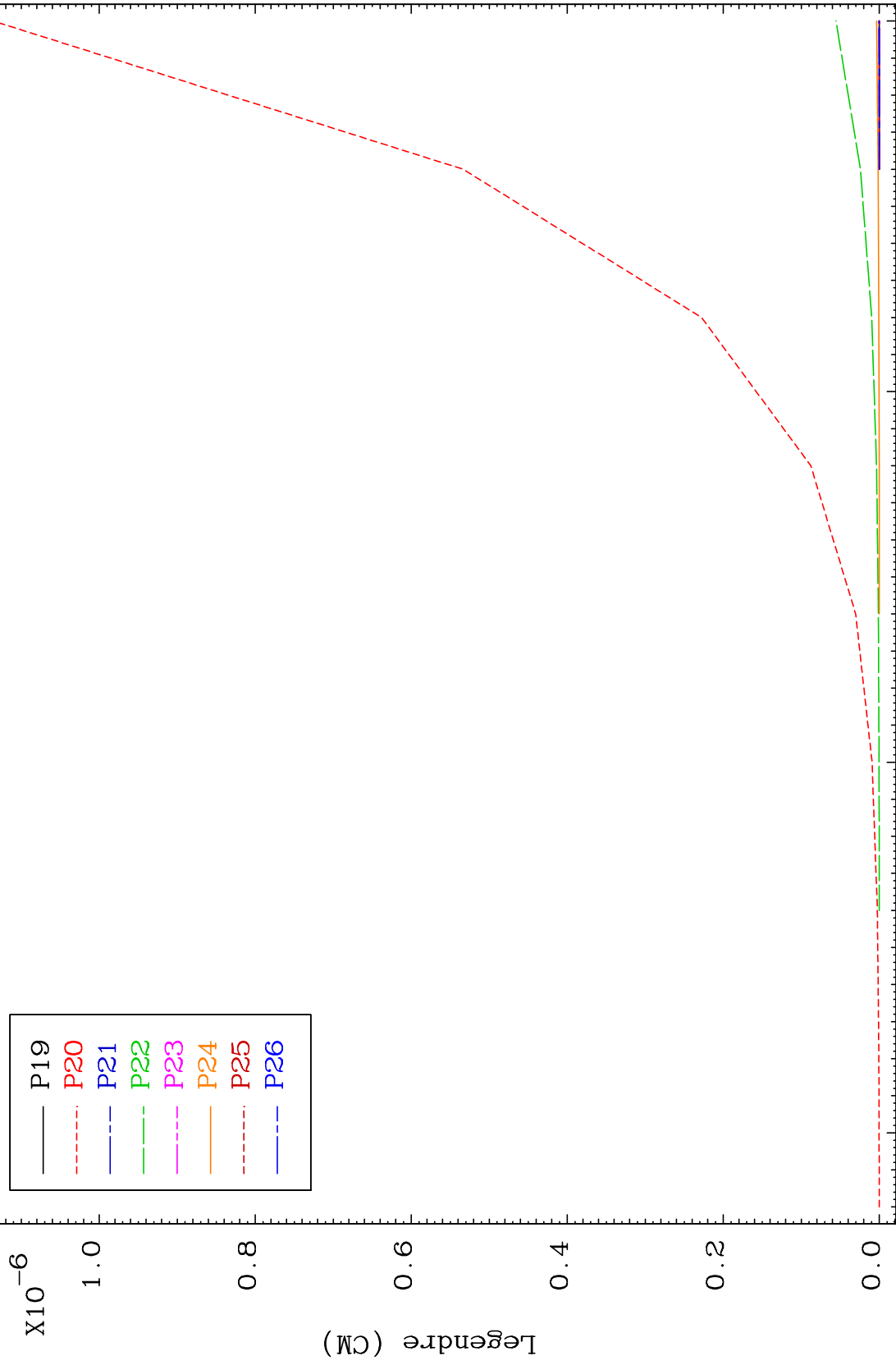
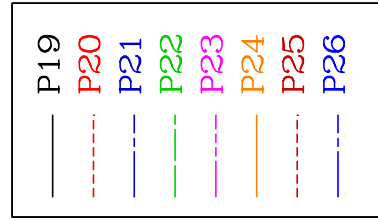
Incident Energy (MeV)

54-Xe-129m

MAT 5441

Elastic Legendre Coefficients

54-Xe-129m



18

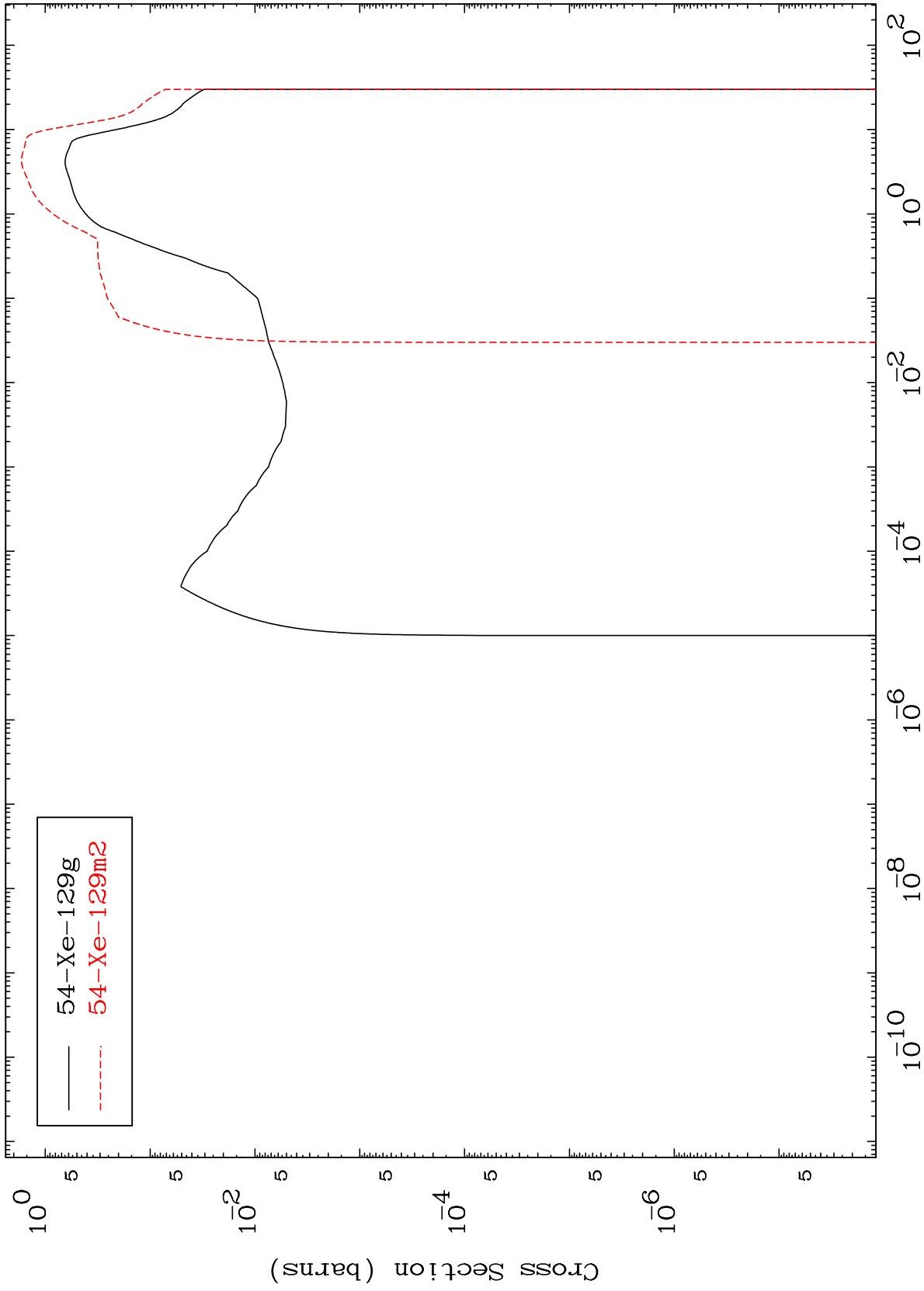
Incident Energy (MeV)

54-Xe-129m

MAT 5441

Inelastic
Radionuclide Production Cross Section

54-Xe-129m

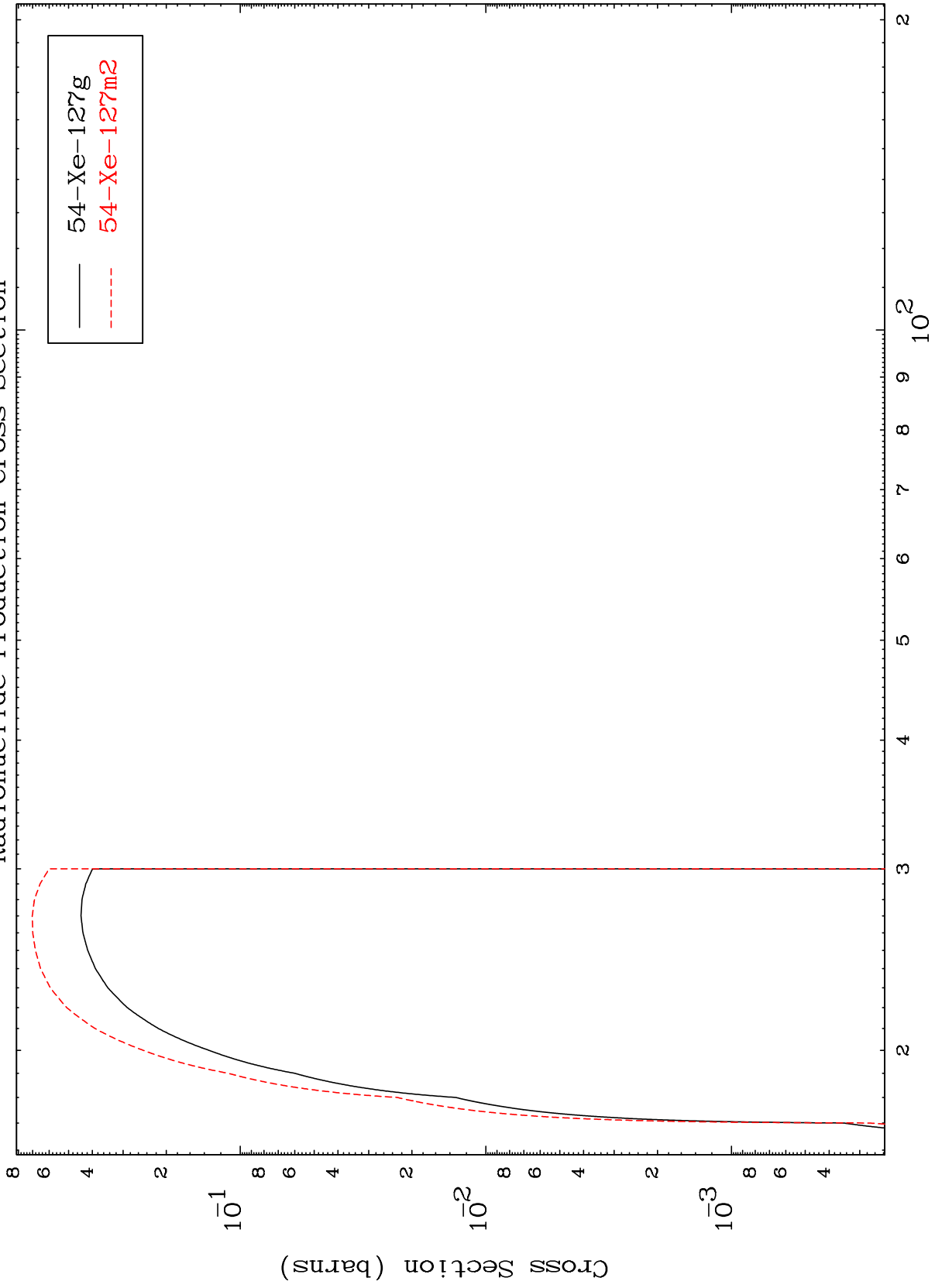


54-Xe-129m

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54-Xe-129m

(n,3n)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

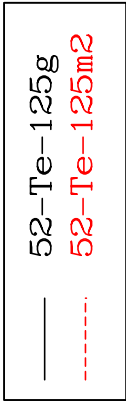
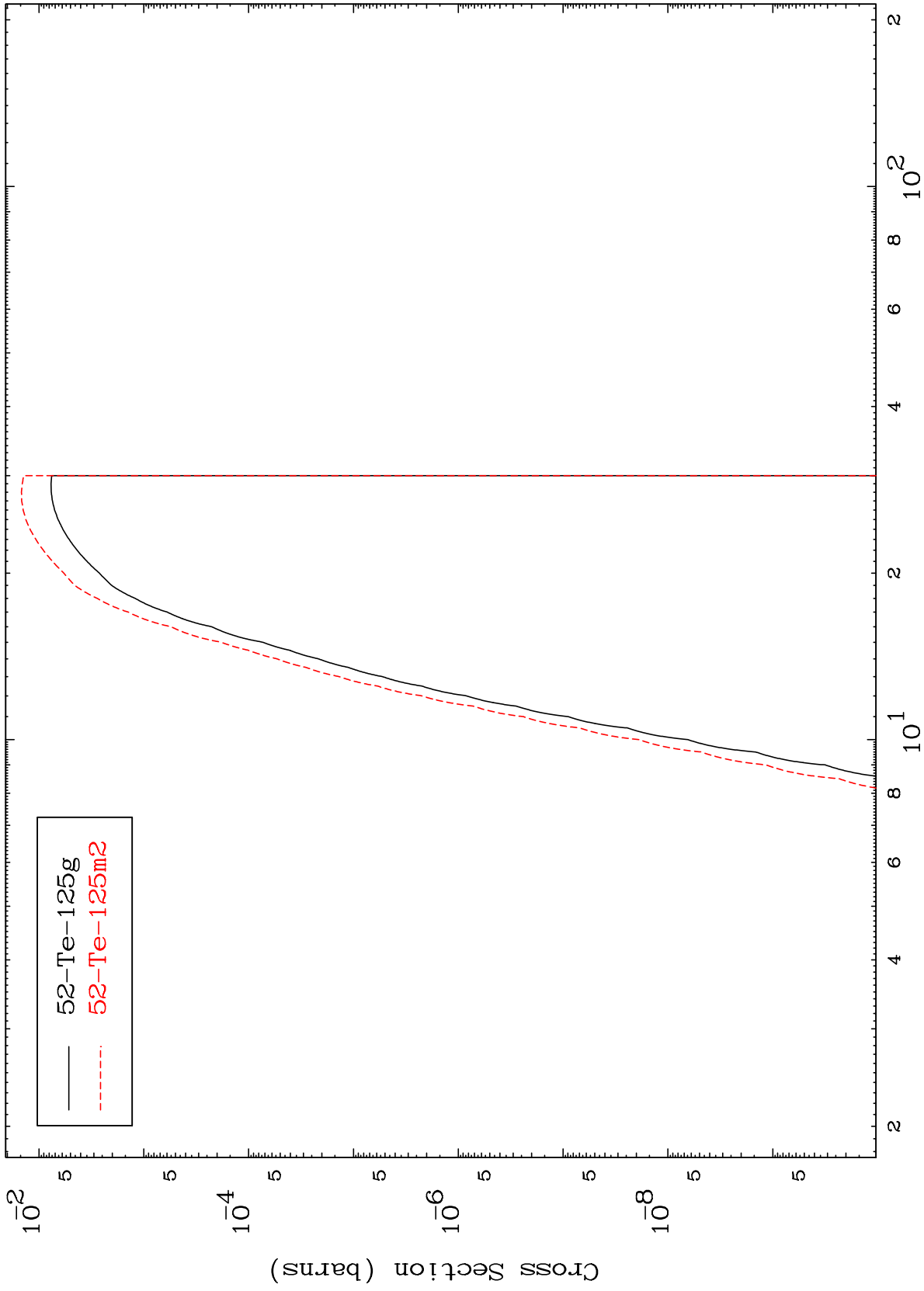
54-Xe-129m

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(n,n') α

54-Xe-129m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

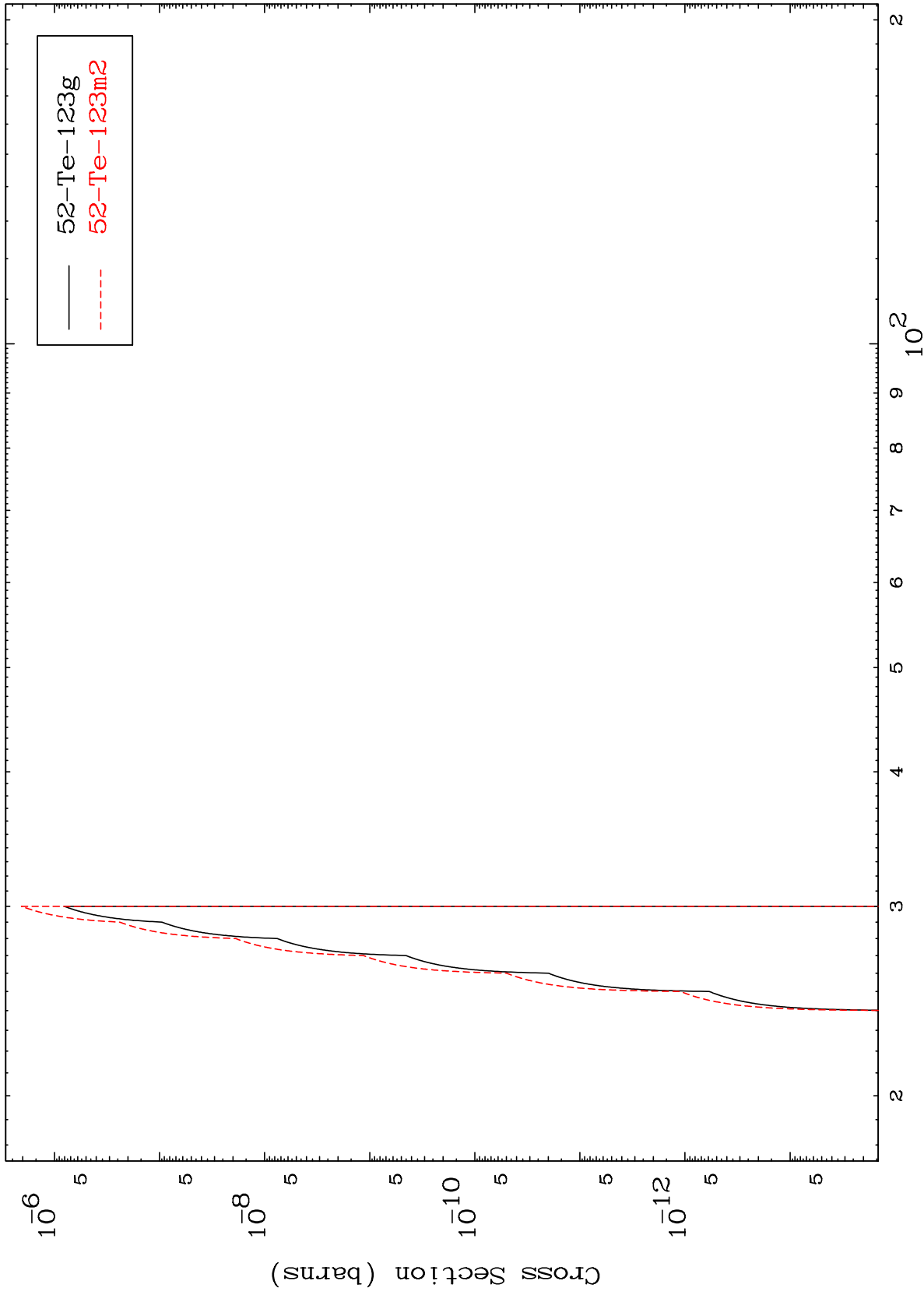
54-Xe-129m

MAT 5441

(n,3n) α

54-Xe-129m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

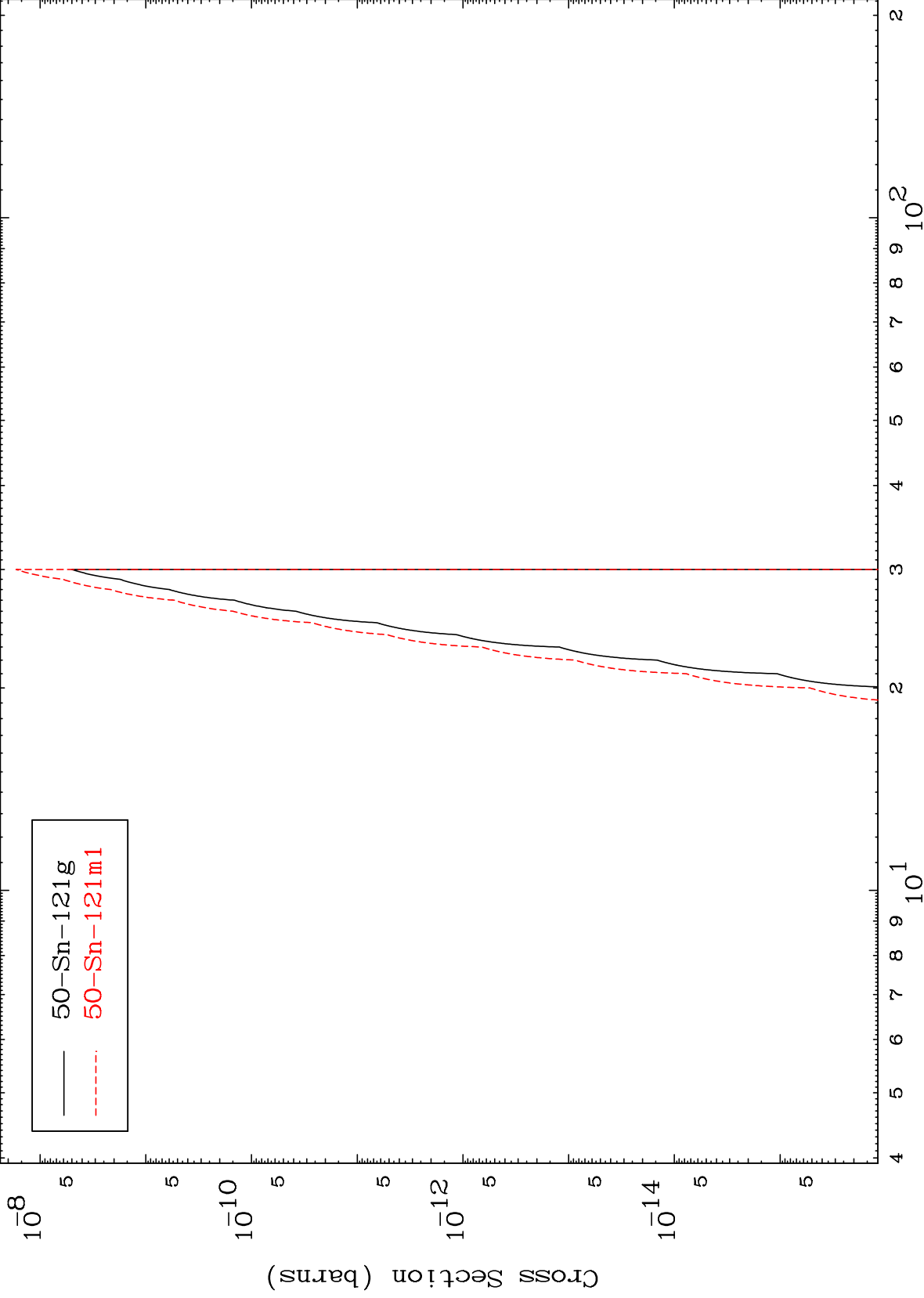
54-Xe-129m

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(n,n') 2 α

54-Xe-129m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

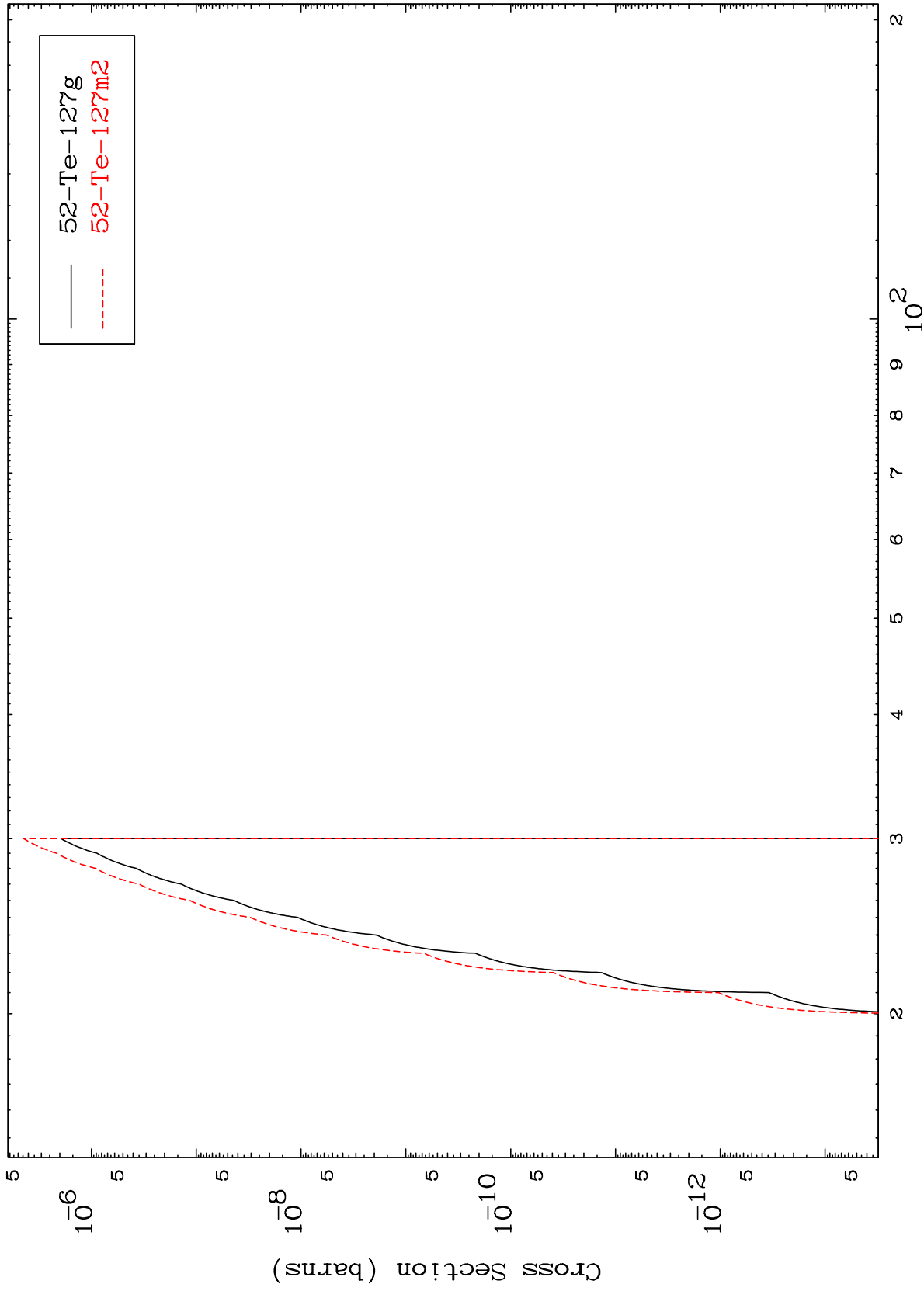
54-Xe-129m

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(n,2n) p

54-Xe-129m

Radionuclide Production Cross Section



24

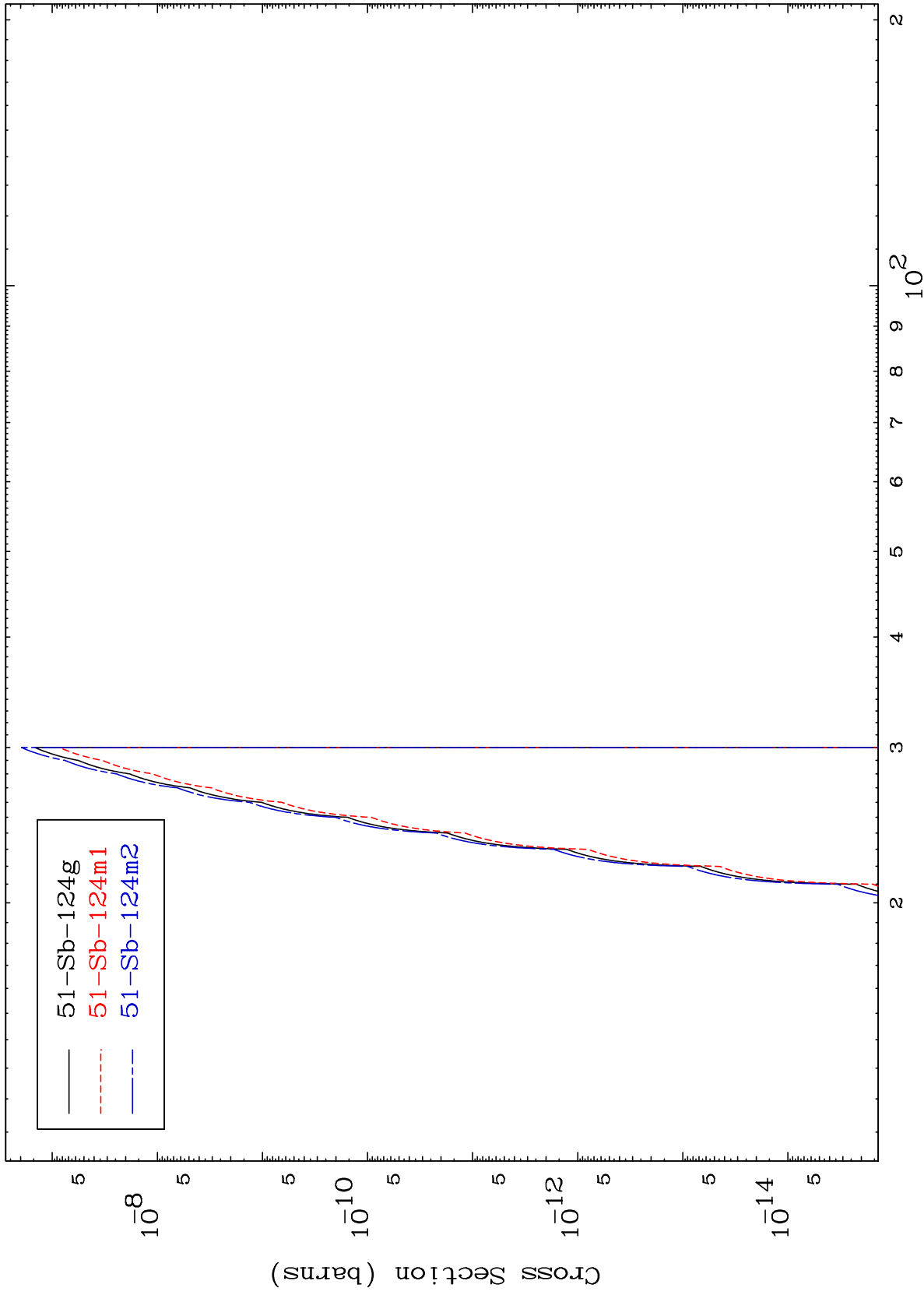
Incident Energy (MeV)

54-Xe-129m

MAT 5441

54-Xe-129m

(n,n') p α
Radionuclide Production Cross Section



25

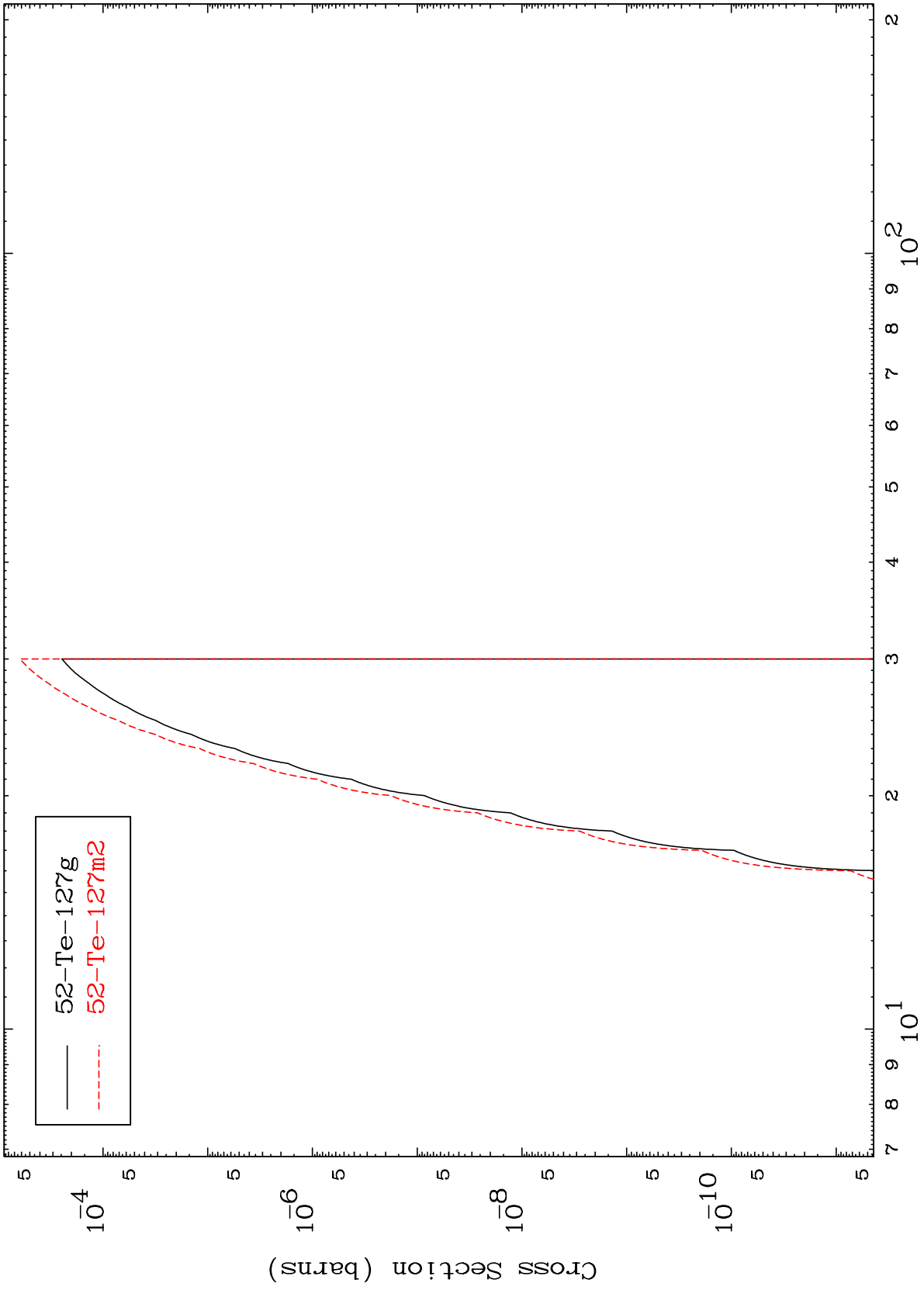
54-Xe-129m

MAT 5441

(n, He-3)

54-Xe-129m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

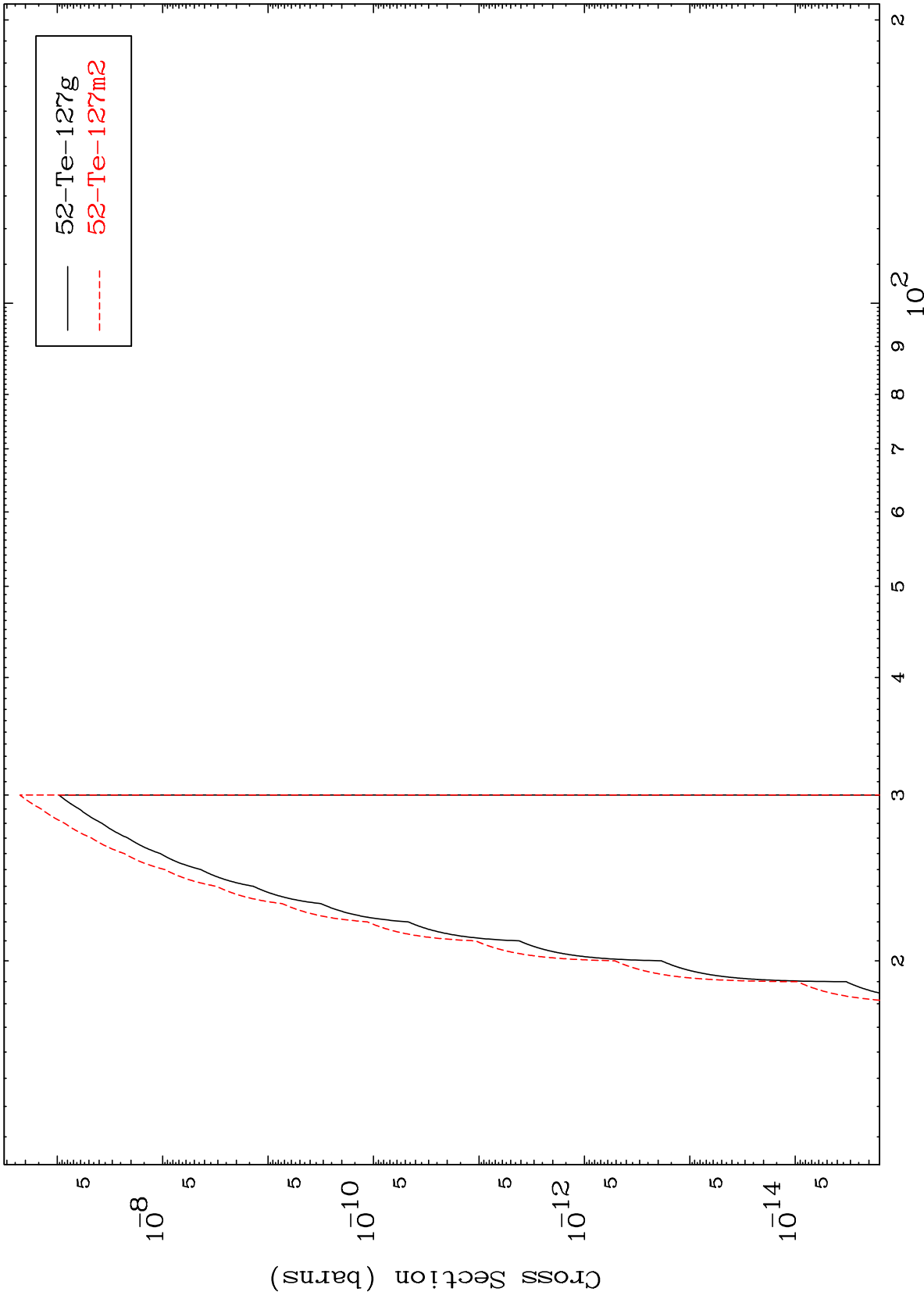
54-Xe-129m

MAT 5441

(n,p) d

54-Xe-129m

Radionuclide Production Cross Section



27

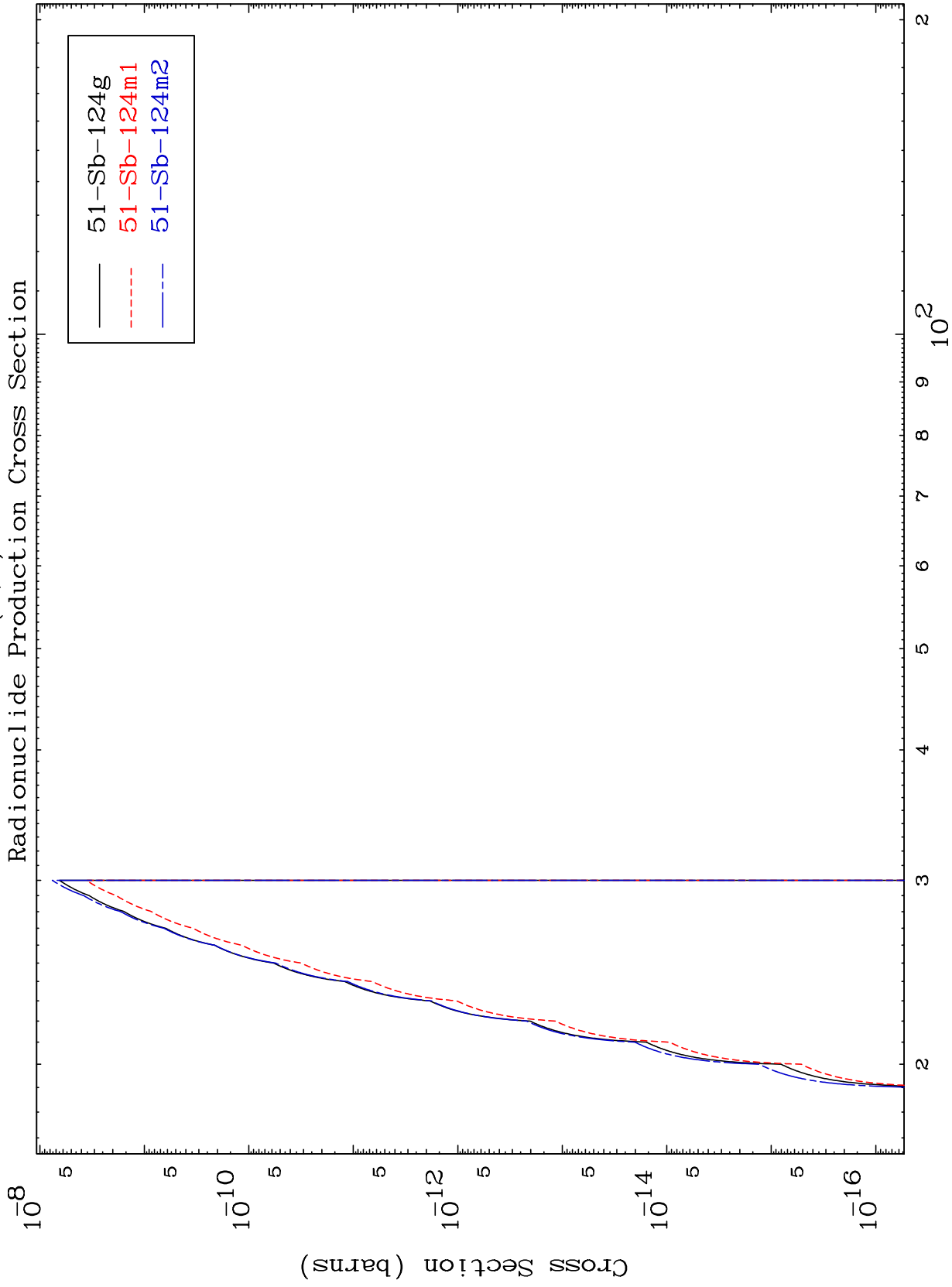
Incident Energy (MeV)

54-Xe-129m

MAT 5441

(n,d) α

54-Xe-129m



28

Incident Energy (MeV)

54-Xe-129m