

Program EVALPLOT
(Version 2021-1)

by

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(Present Contact Information)

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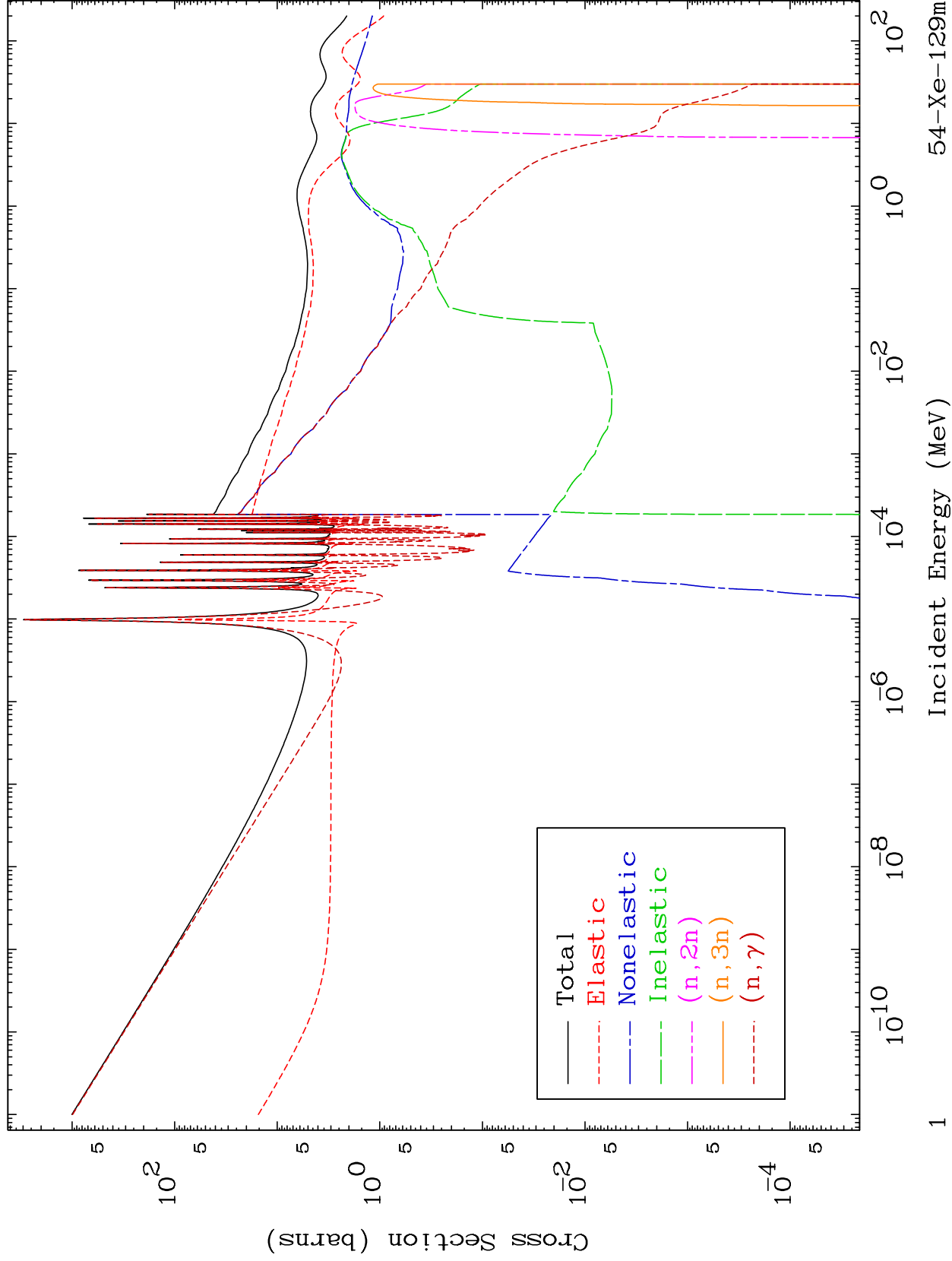
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5441

Neutron Major
293 Kelvin Cross Sections

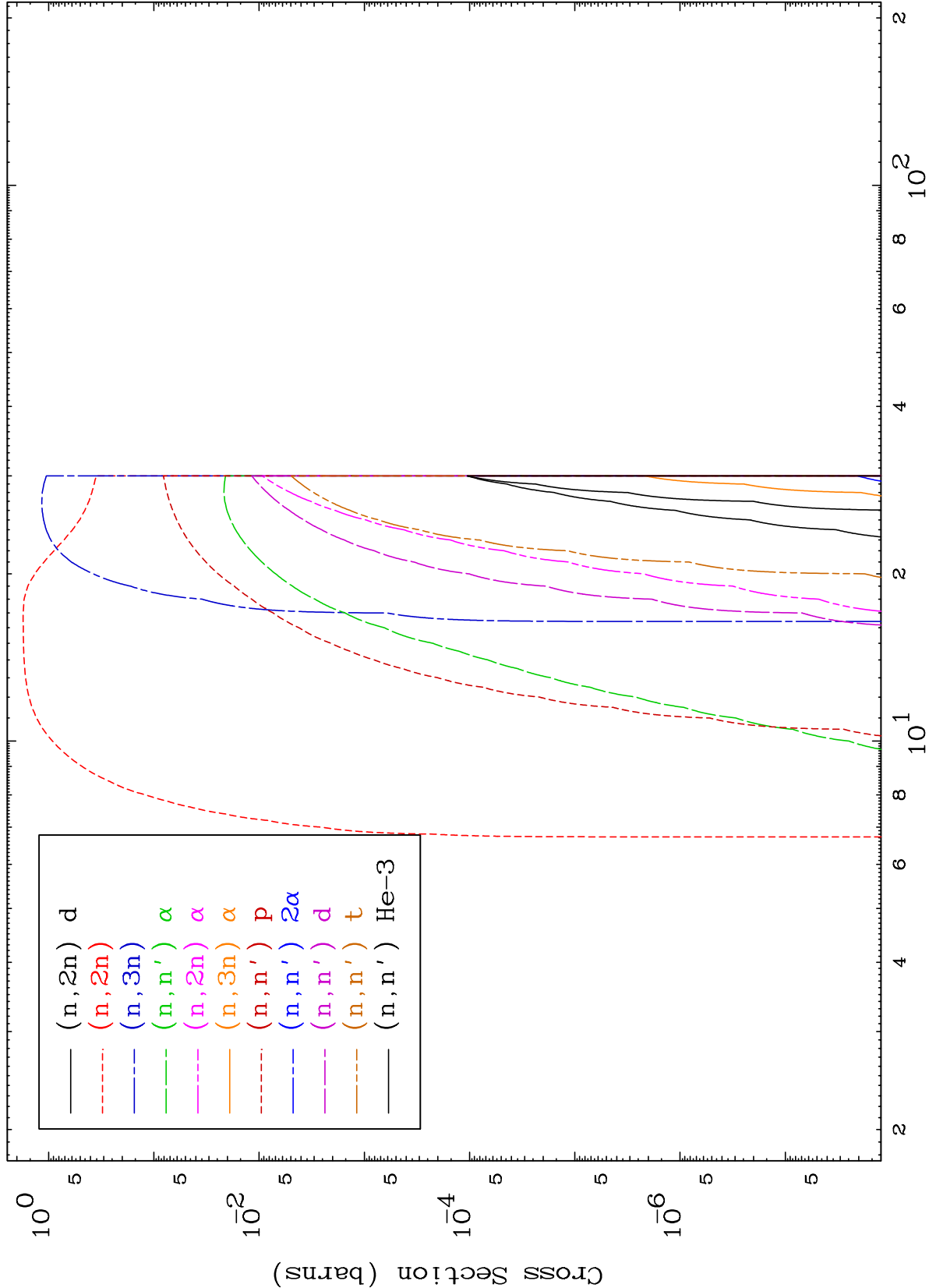
54-Xe-129m



MAT 5441

Neutron Absorption
293 Kelvin Cross Sections

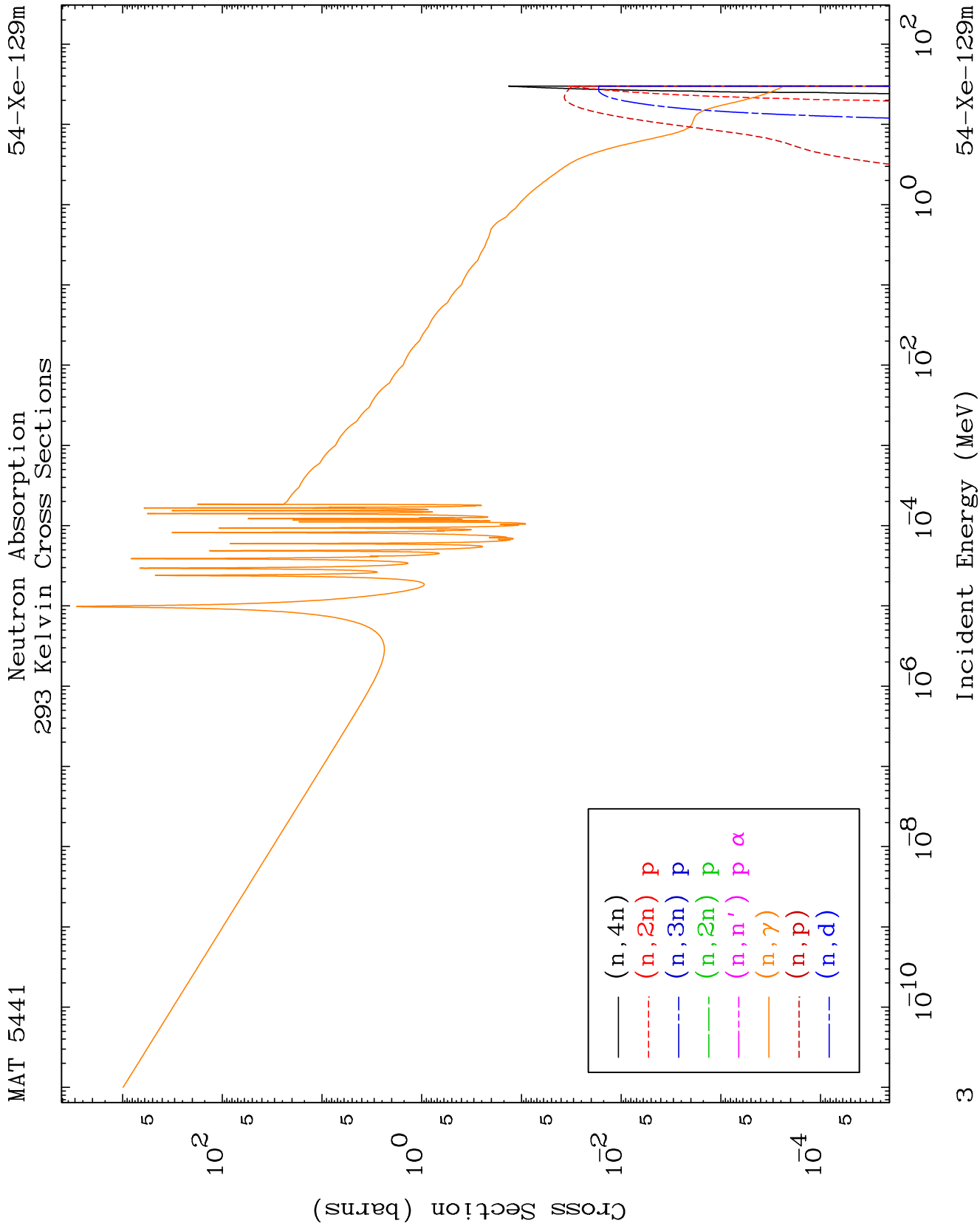
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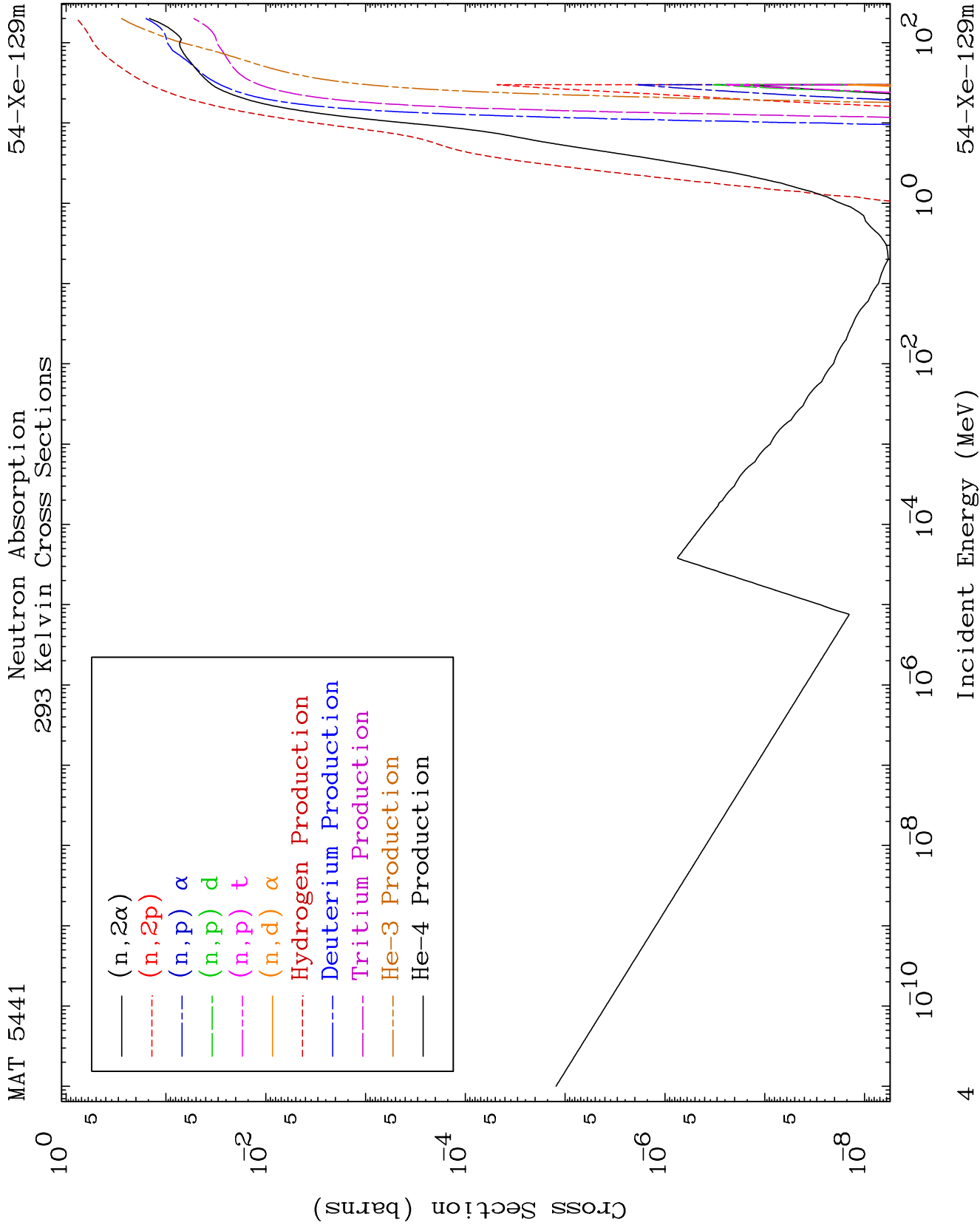


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Incident Energy (MeV)

54-Xe-129m

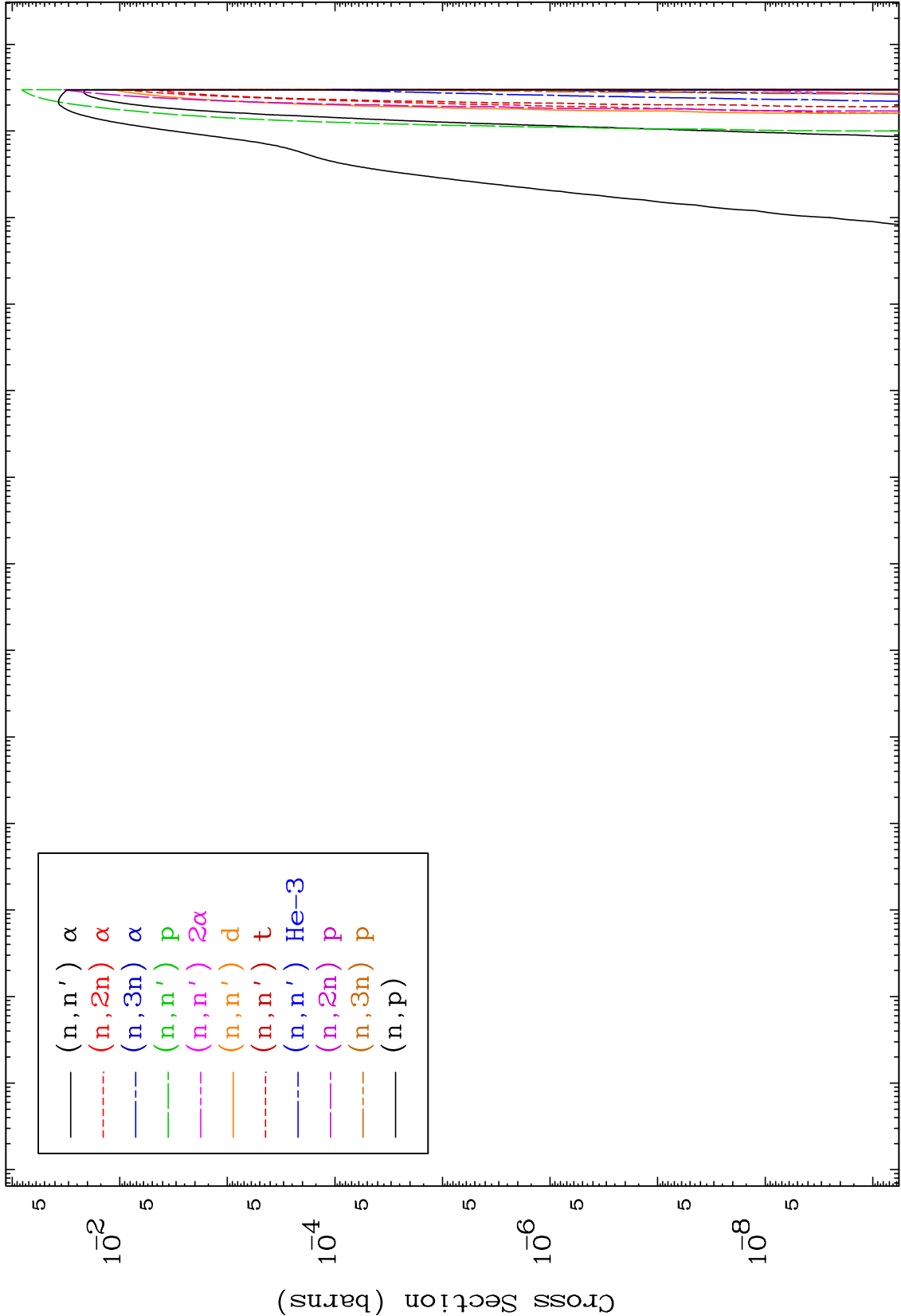


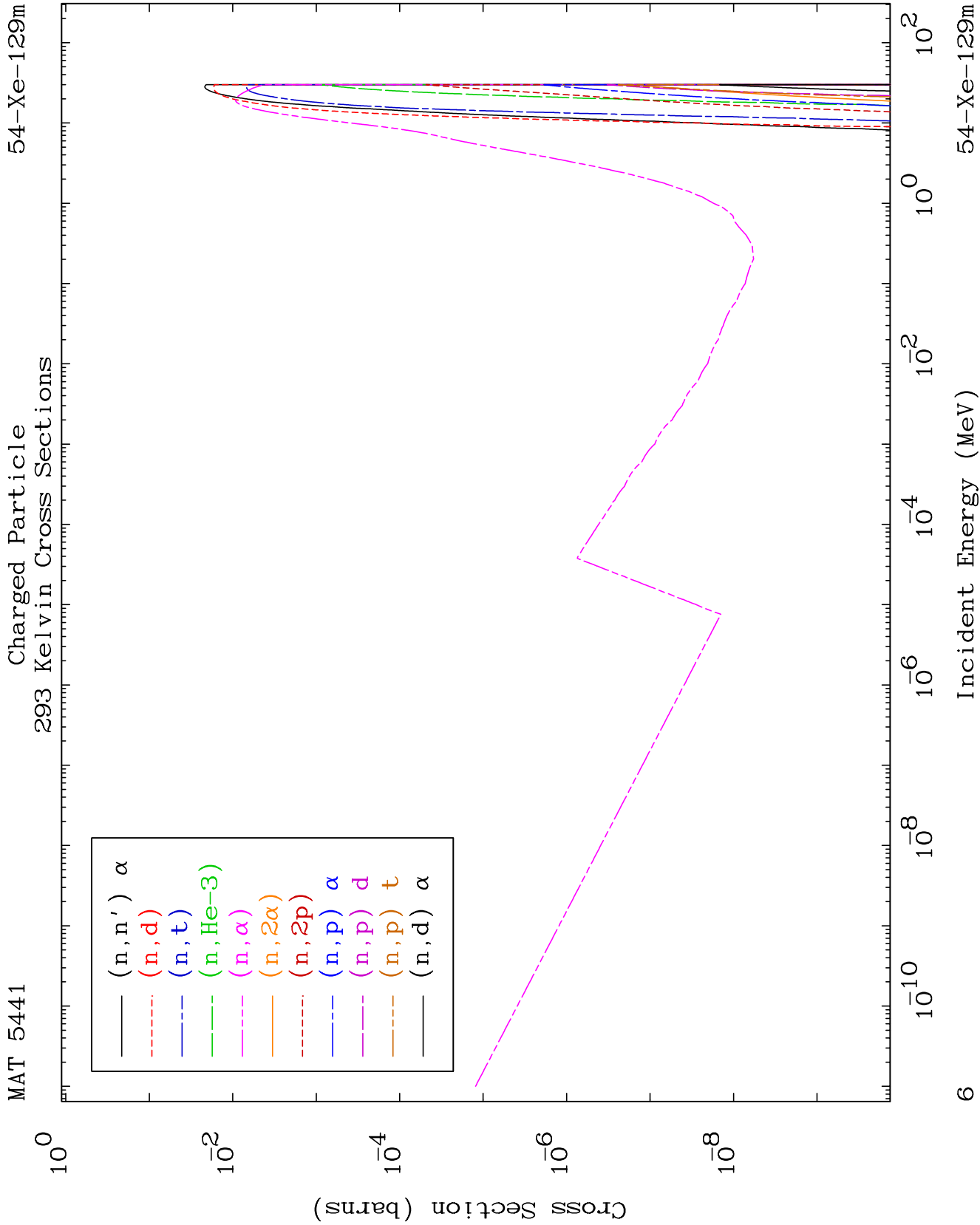


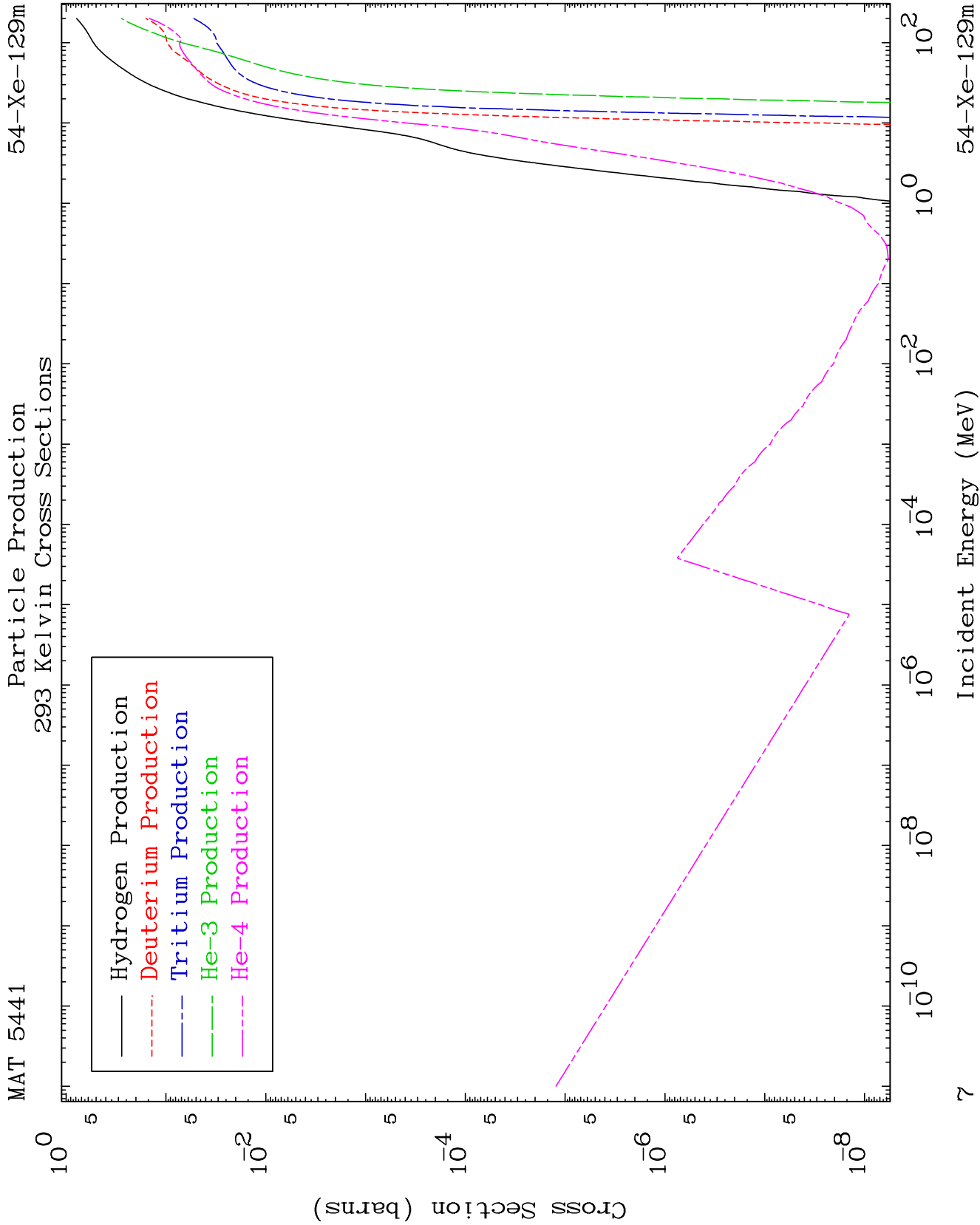
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Charged Particle
293 Kelvin Cross Sections

54-Xe-129m



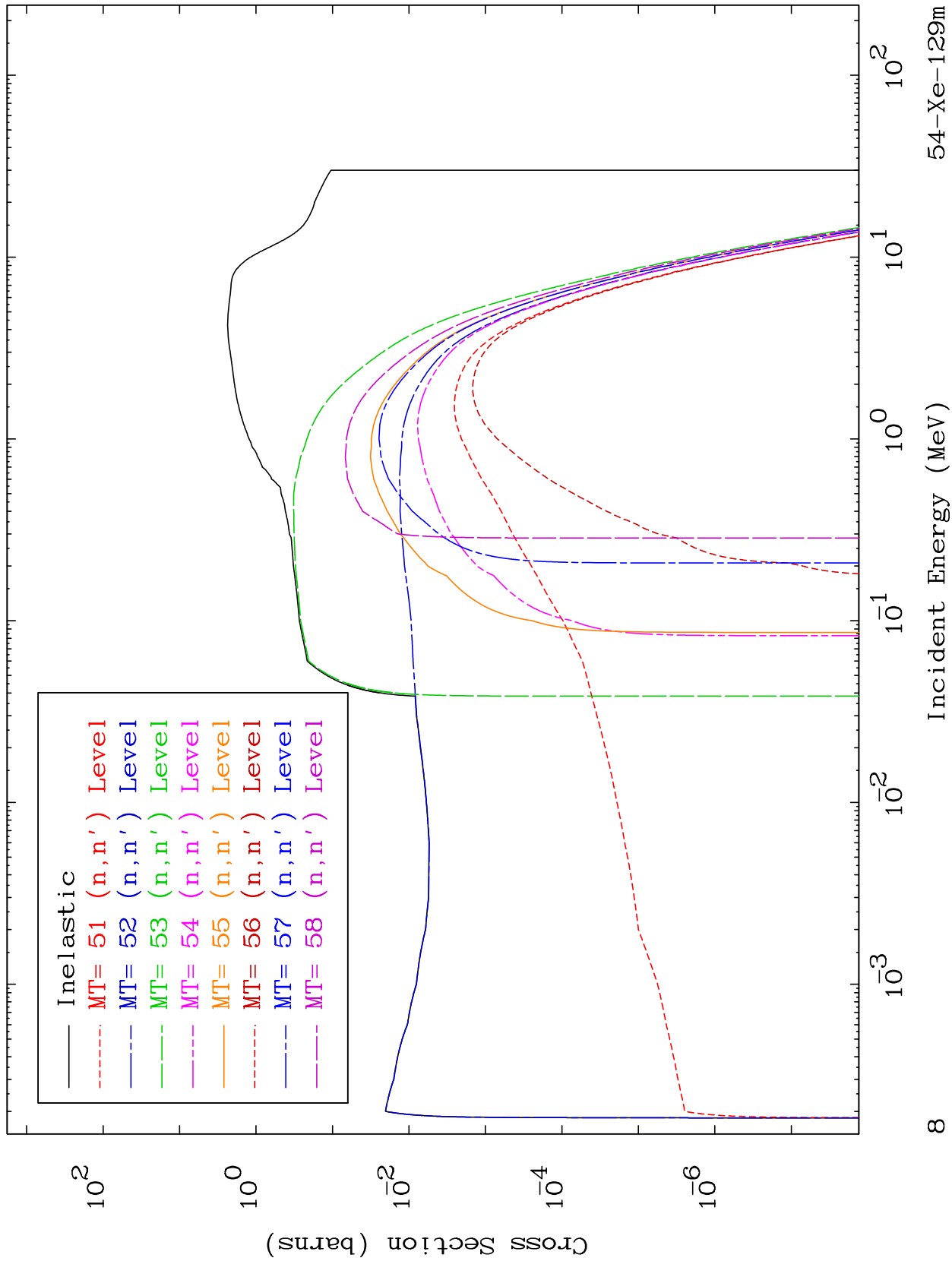


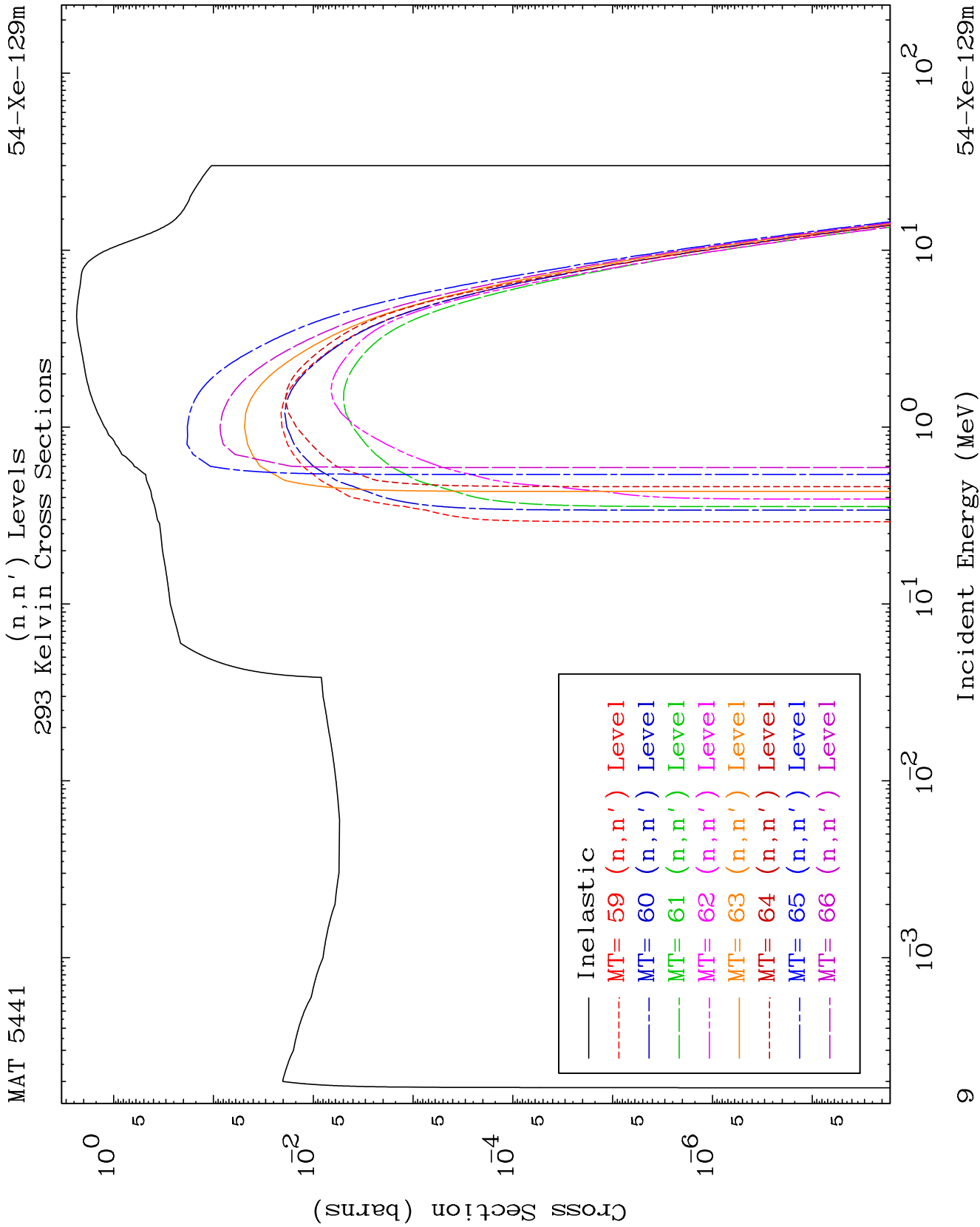


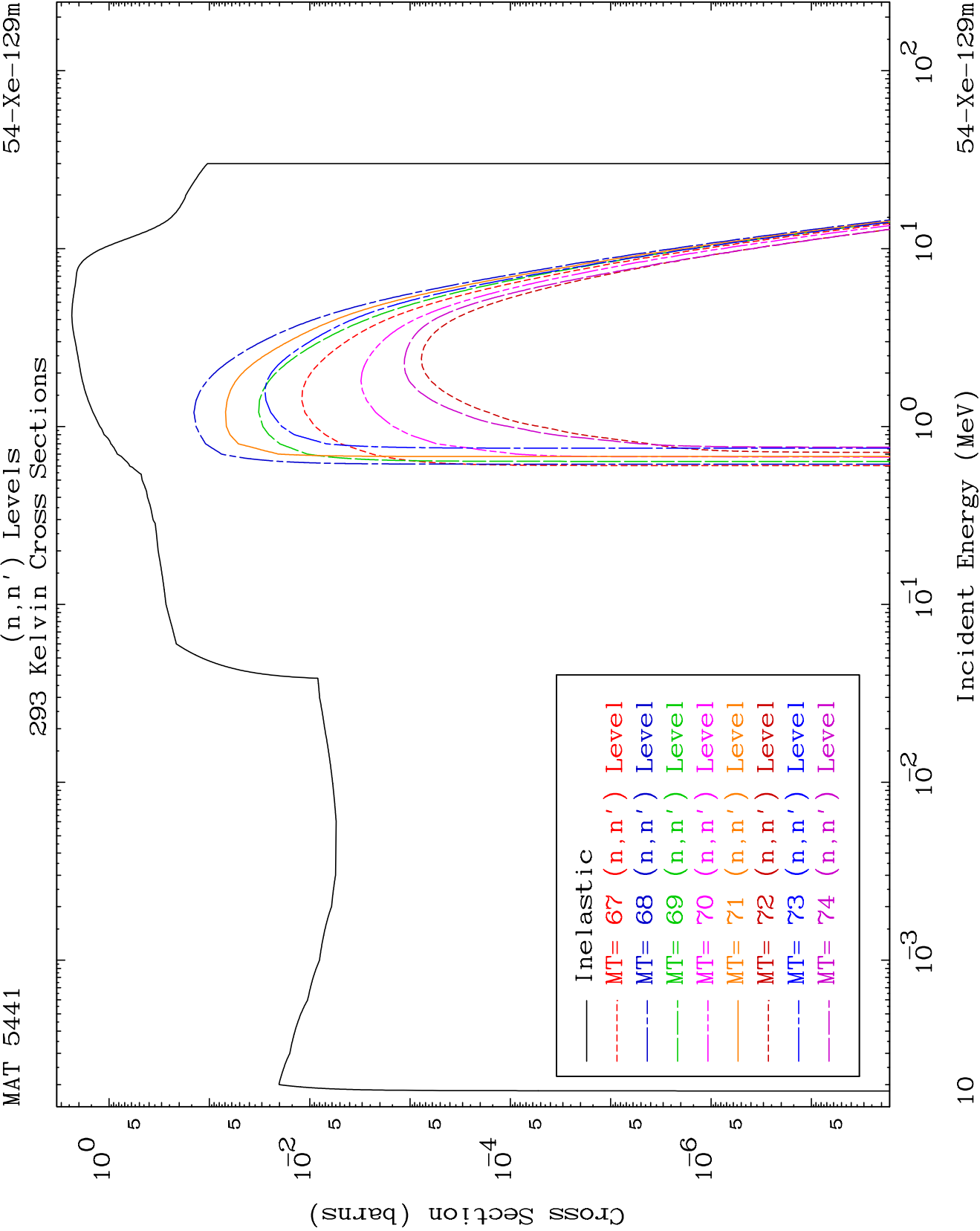
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54-Xe-129m

(n,n') Levels
293 Kelvin Cross Sections



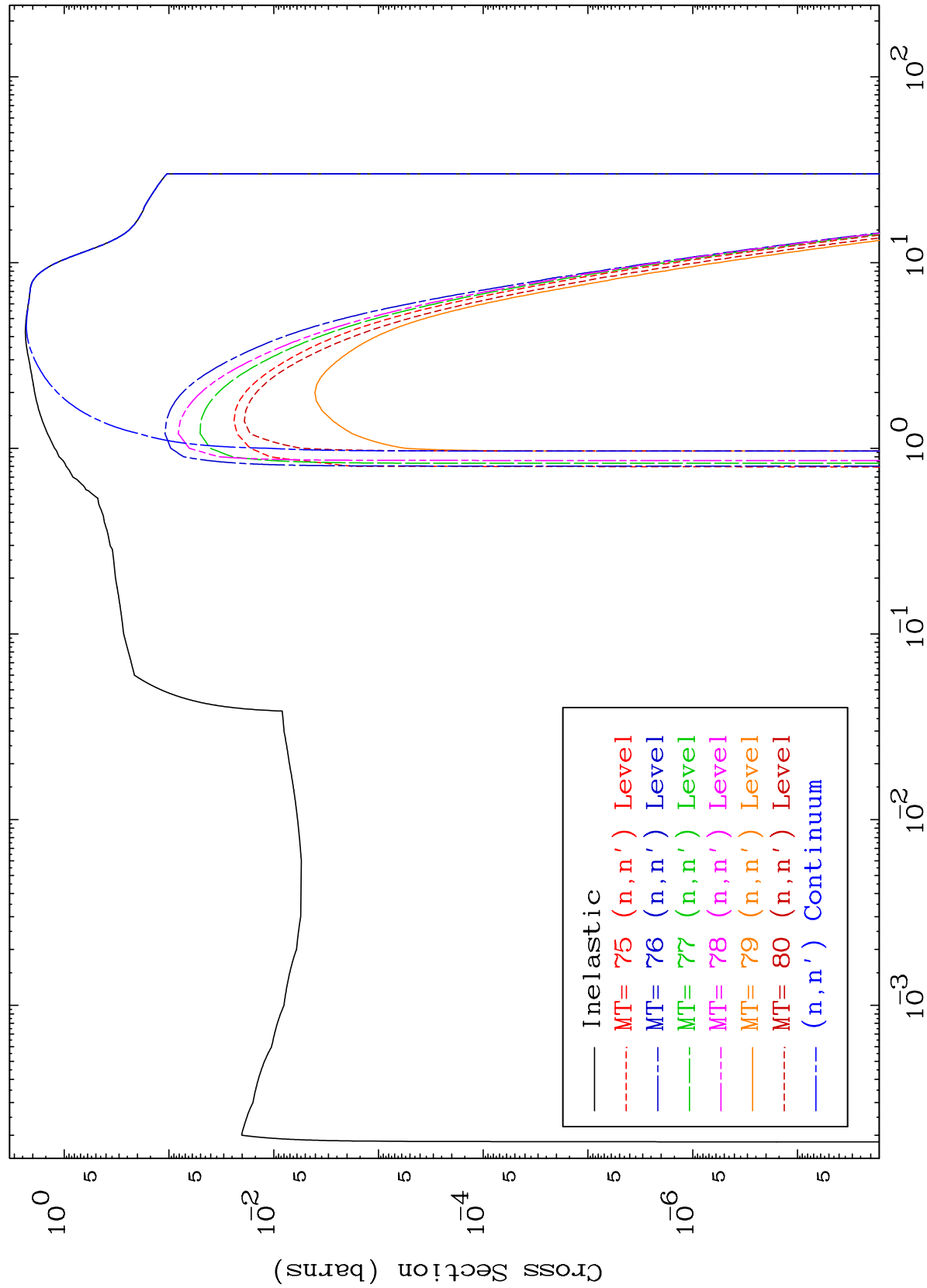




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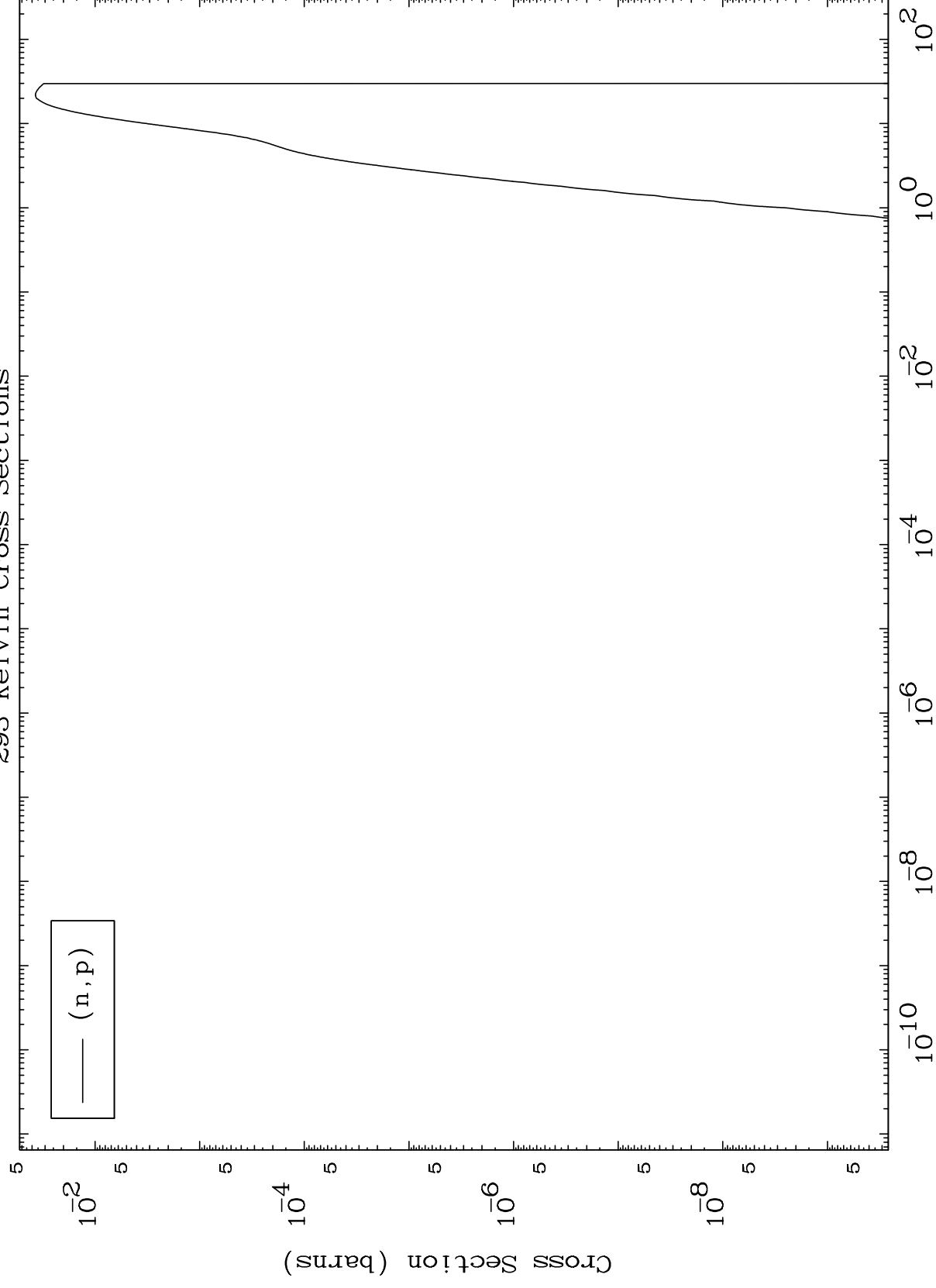
(n,n') Levels
293 Kelvin Cross Sections

54-Xe-129m



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(n,p) Levels
293 Kelvin Cross Sections

 $^{54}\text{-Xe-129m}$ 

12

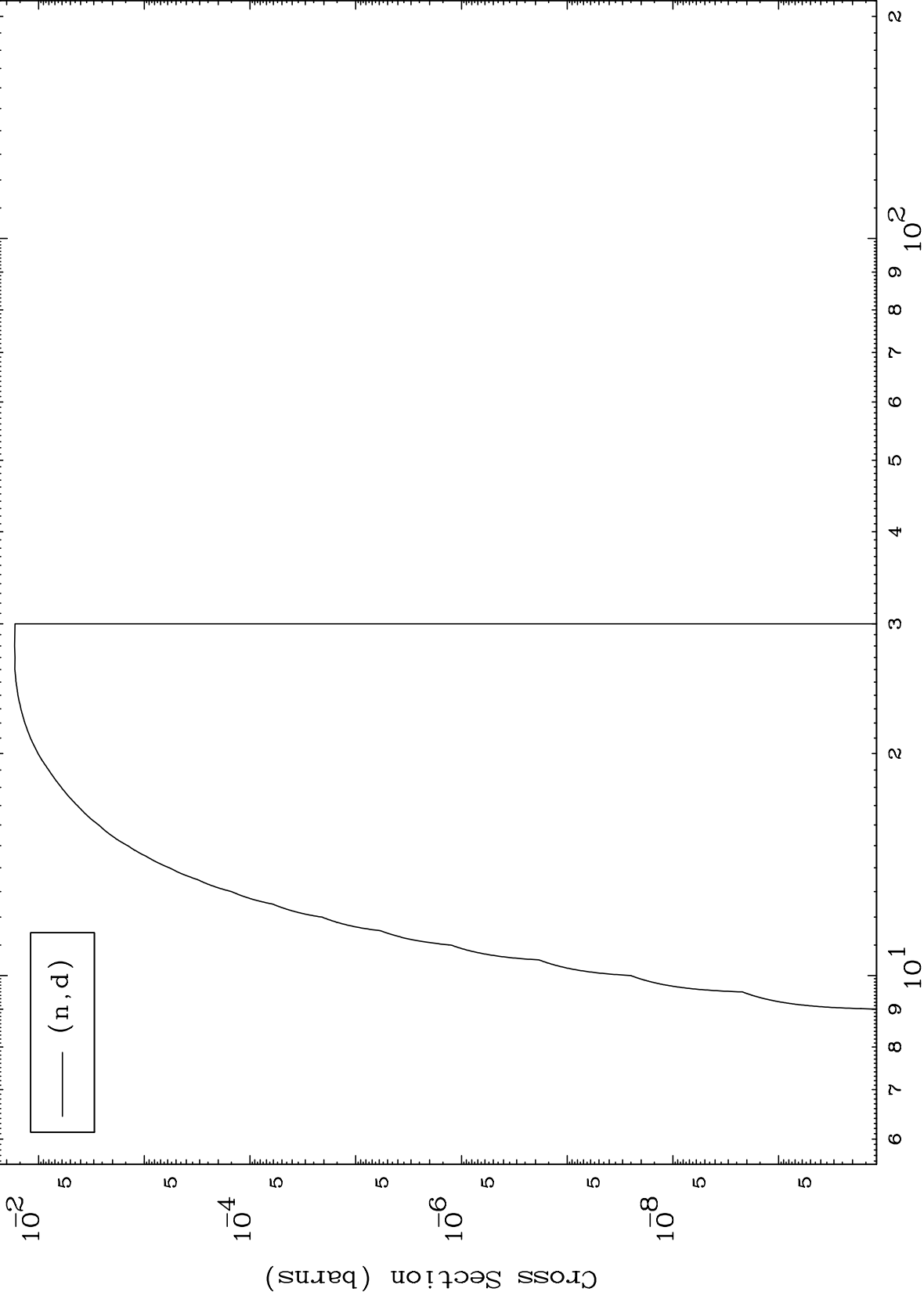
Incident Energy (MeV)

54-Xe-129m

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(n,d) Levels
293 Kelvin Cross Sections

54-Xe-129m



13

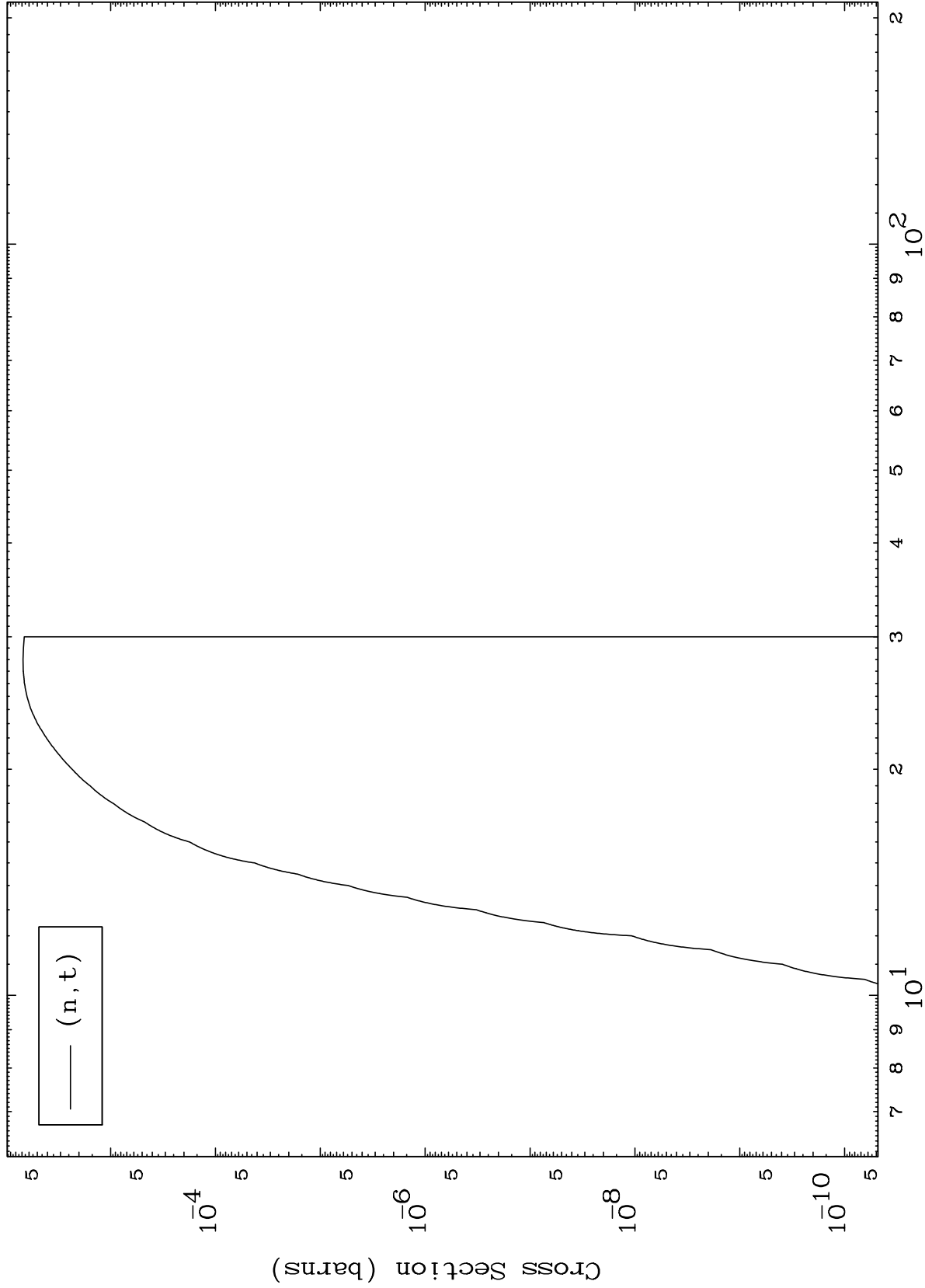
Incident Energy (MeV)

54-Xe-129m

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(n,t) Levels
293 Kelvin Cross Sections

54-Xe-129m



14

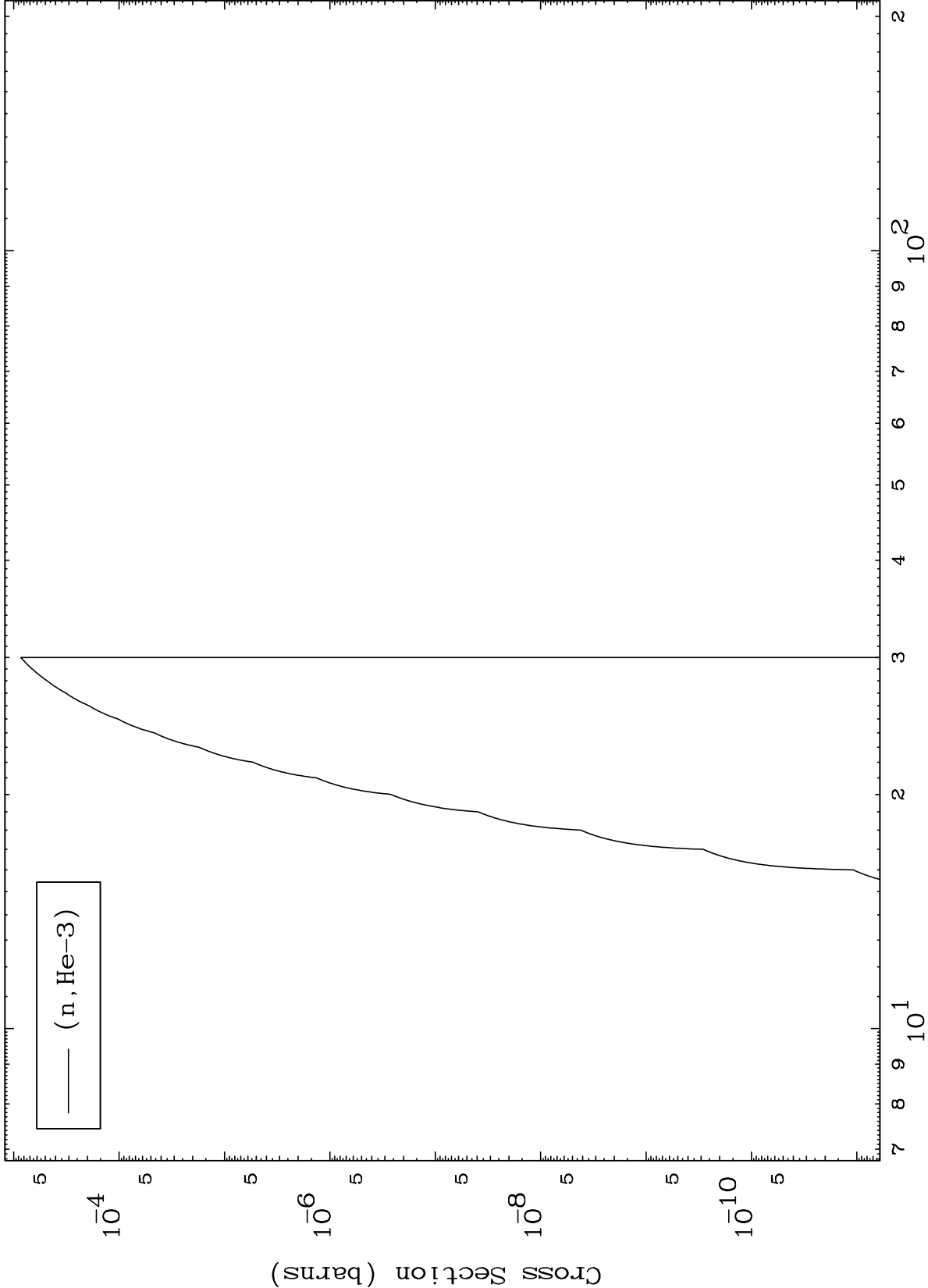
Incident Energy (MeV)

54-Xe-129m

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(n,He3) Levels
293 Kelvin Cross Sections

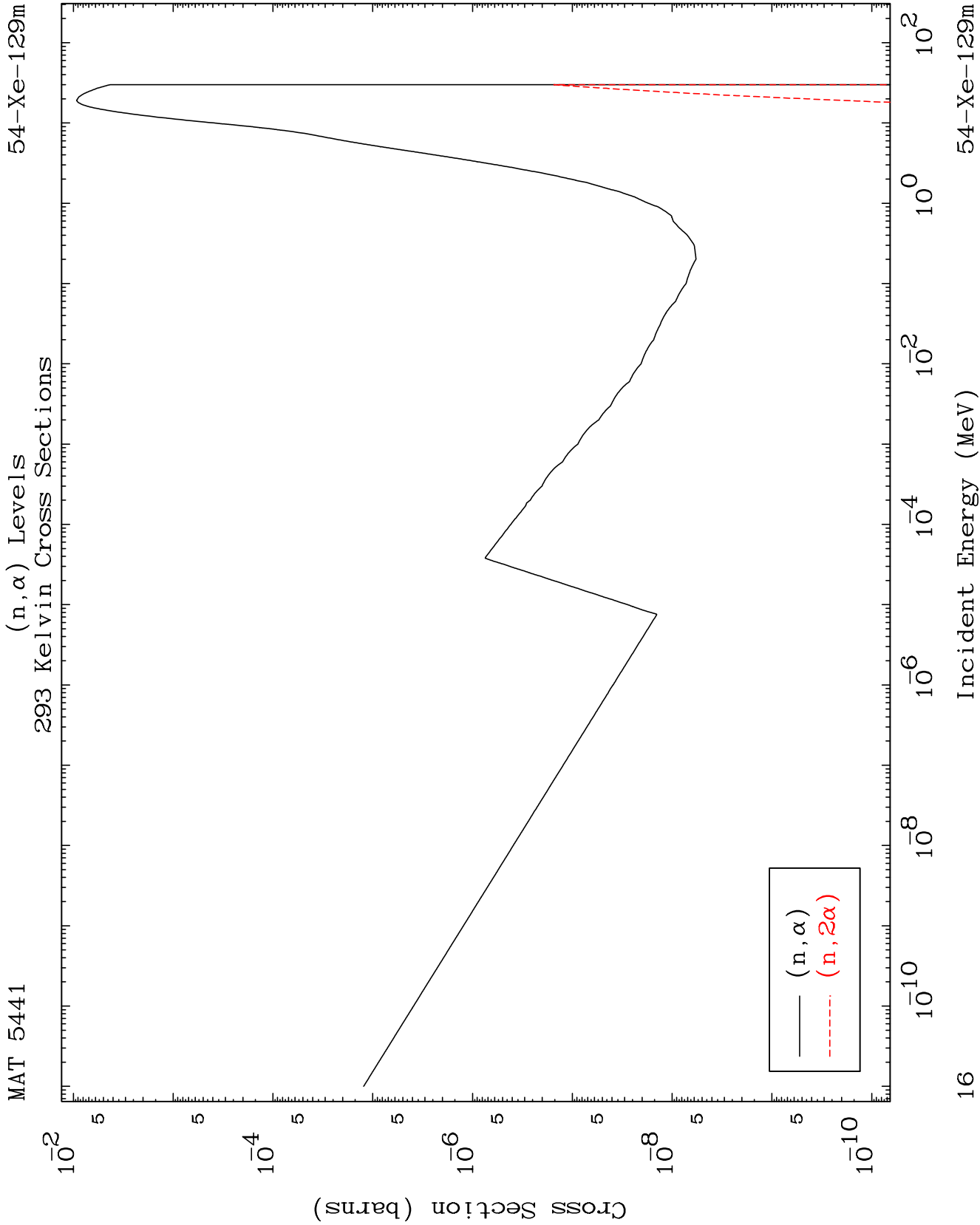
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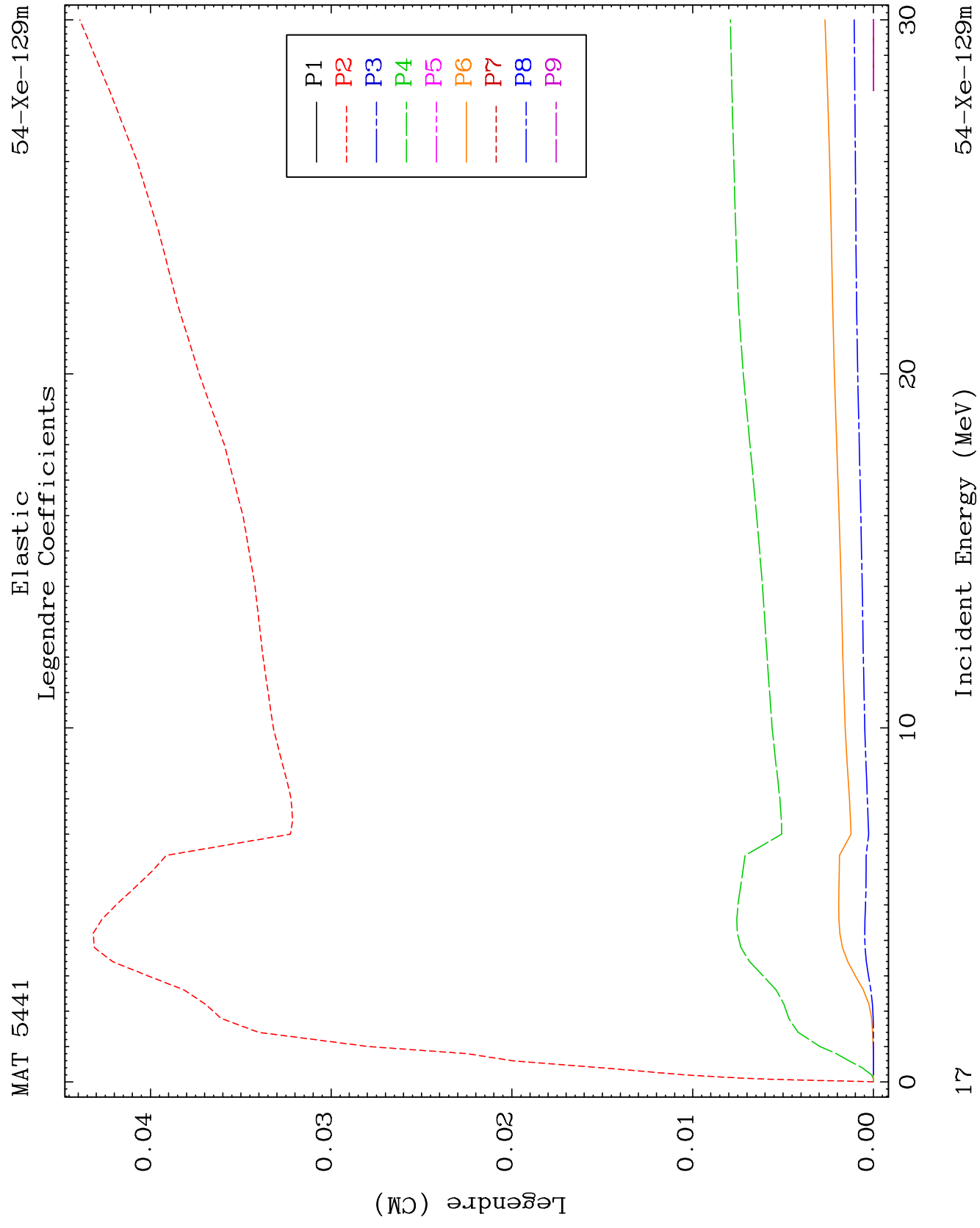


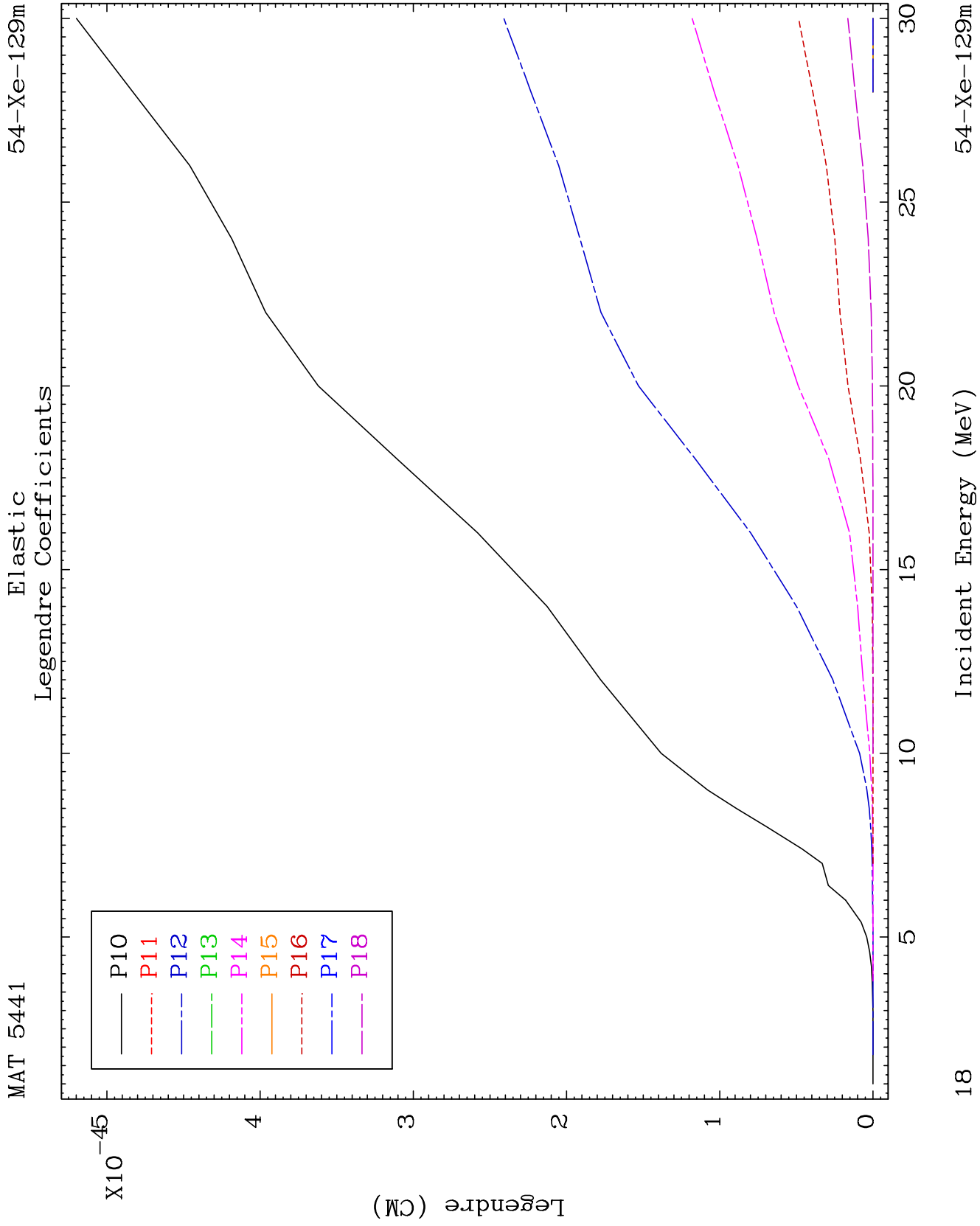
Incident Energy (MeV)

54-Xe-129m

15



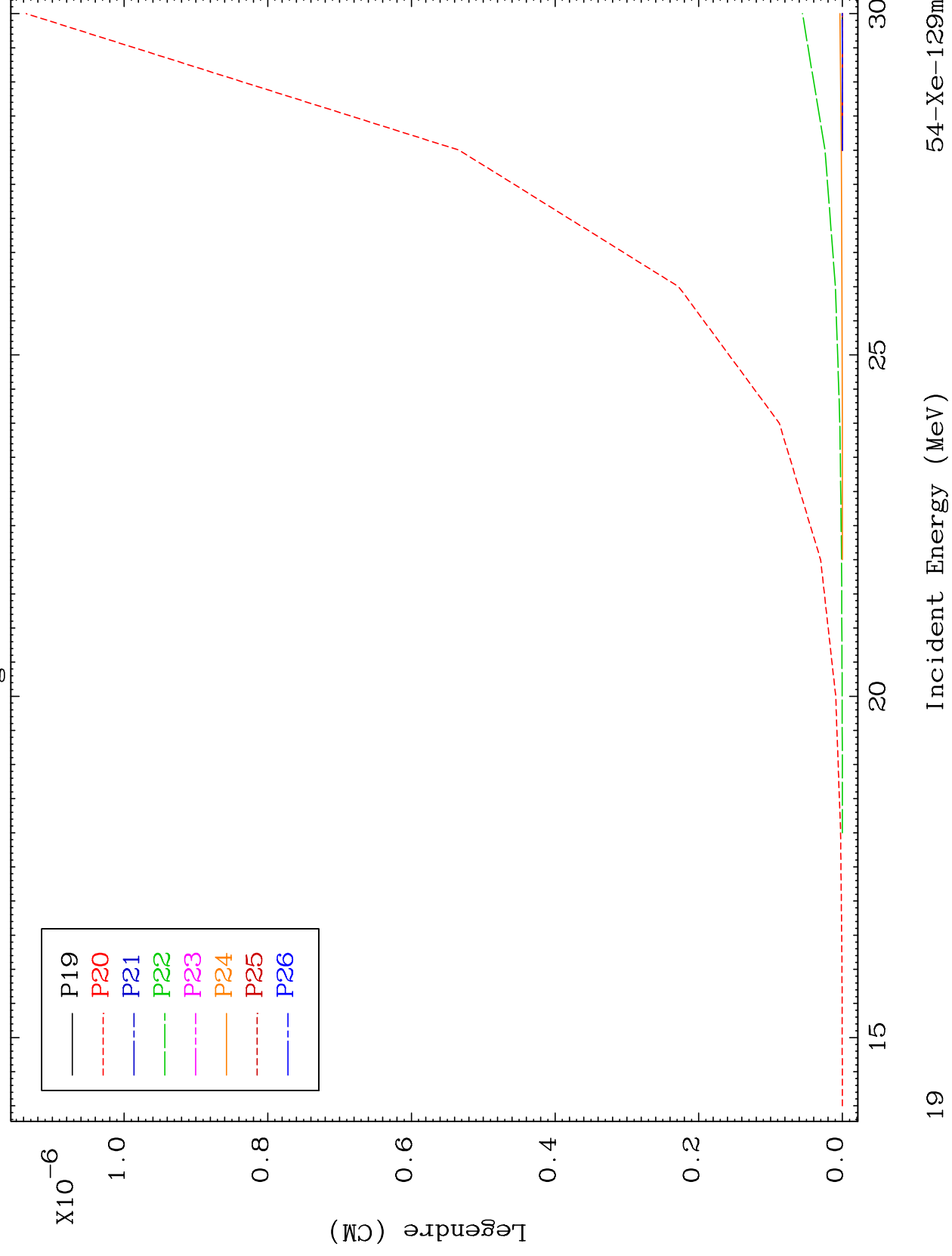




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Elastic Legendre Coefficients

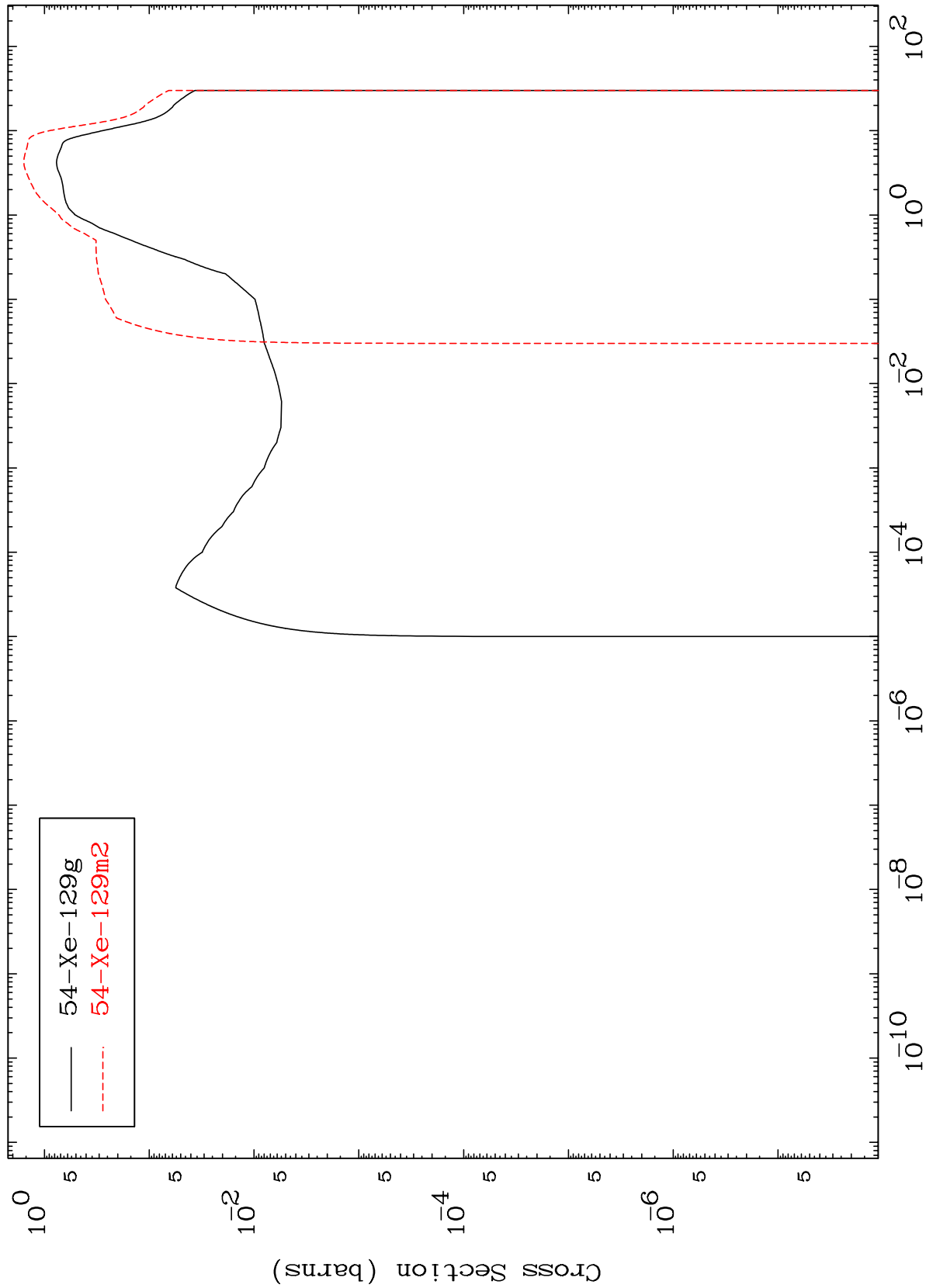
54-Xe-129m



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54-Xe-129m

Inelastic
Radionuclide Production Cross Section



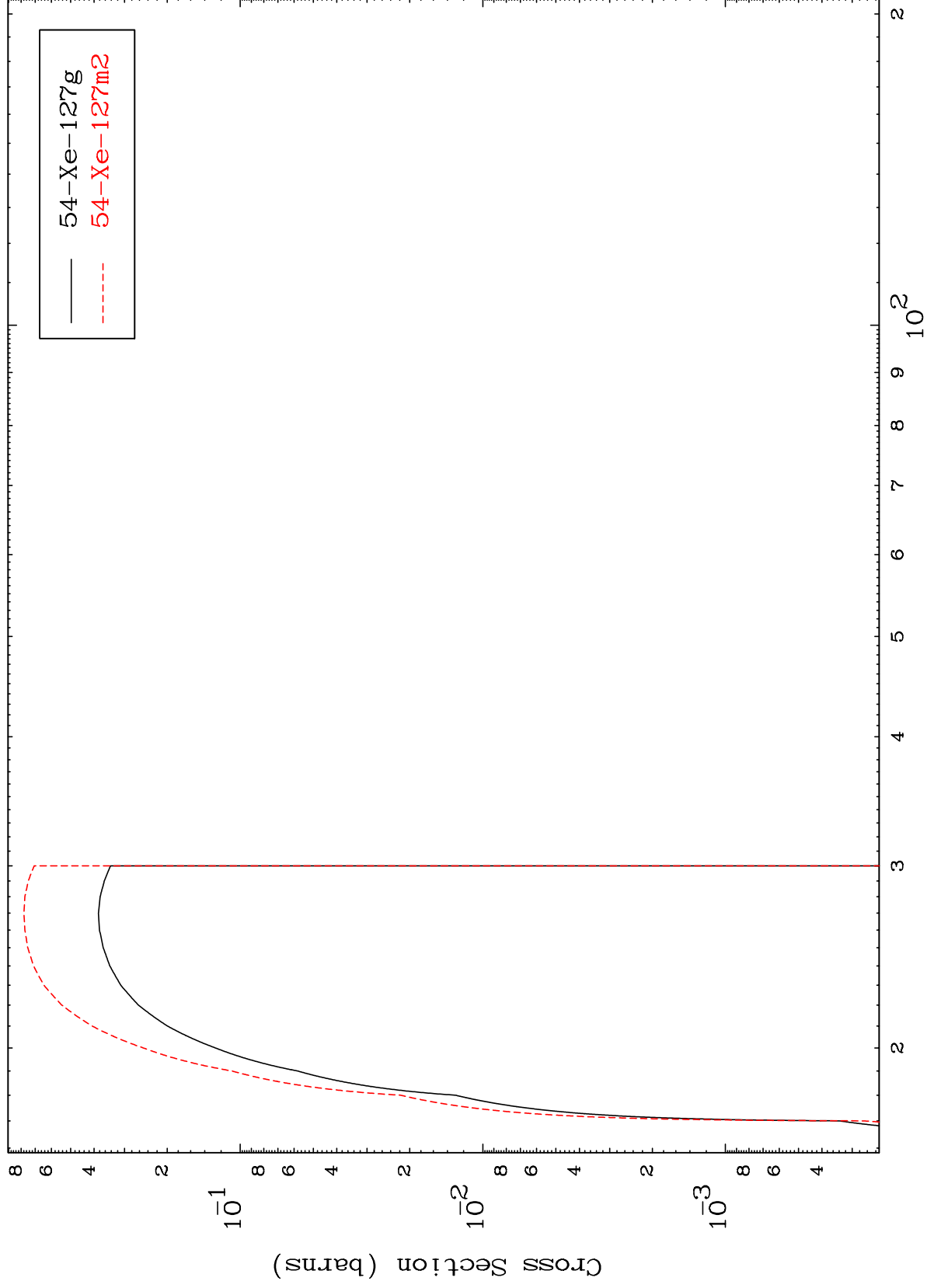
20

54-Xe-129m

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54-Xe-129m

(n,3n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

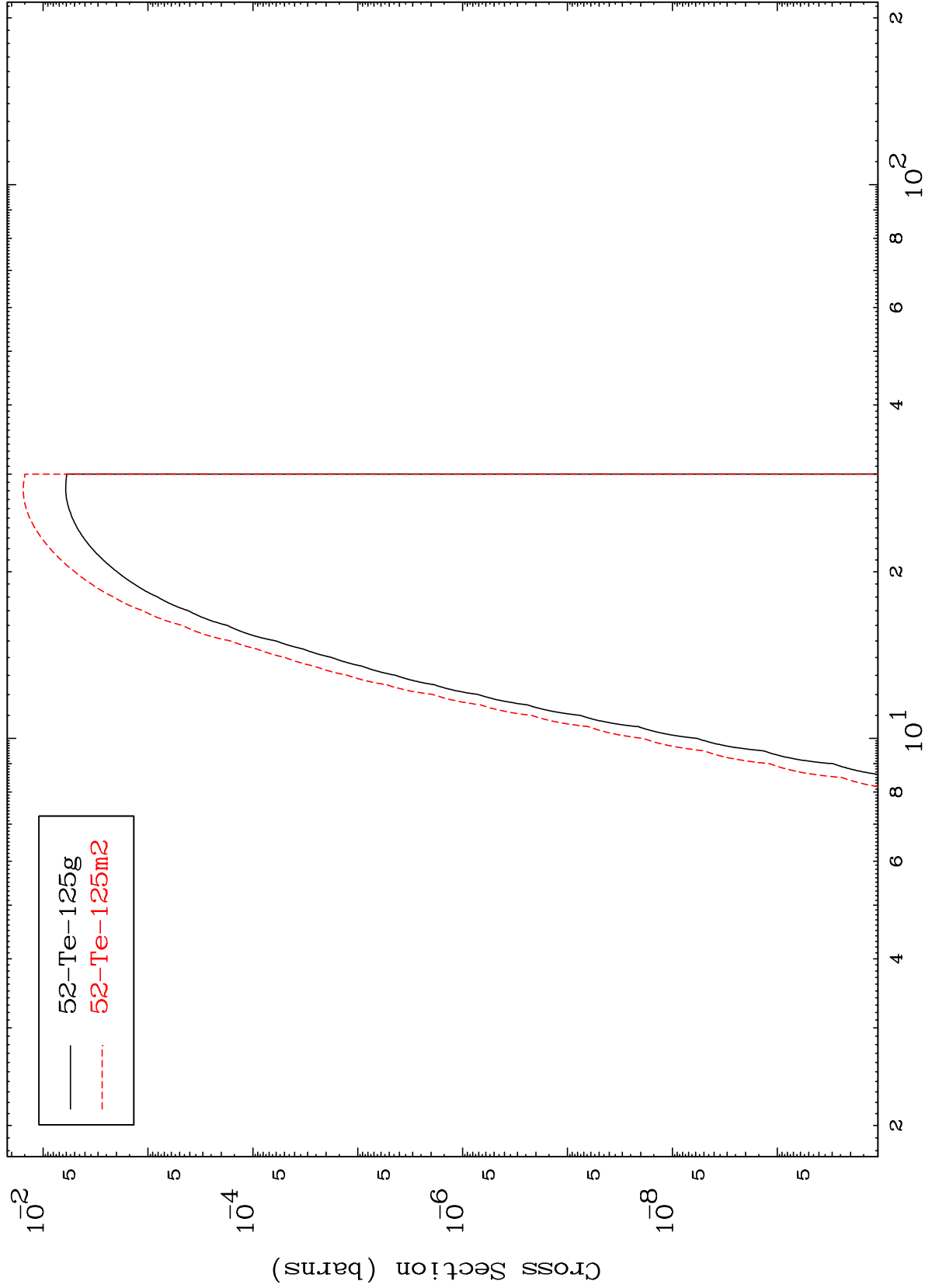
54-Xe-129m

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54-Xe-129m

Radionuclide Production Cross Section

(n,n') α



22

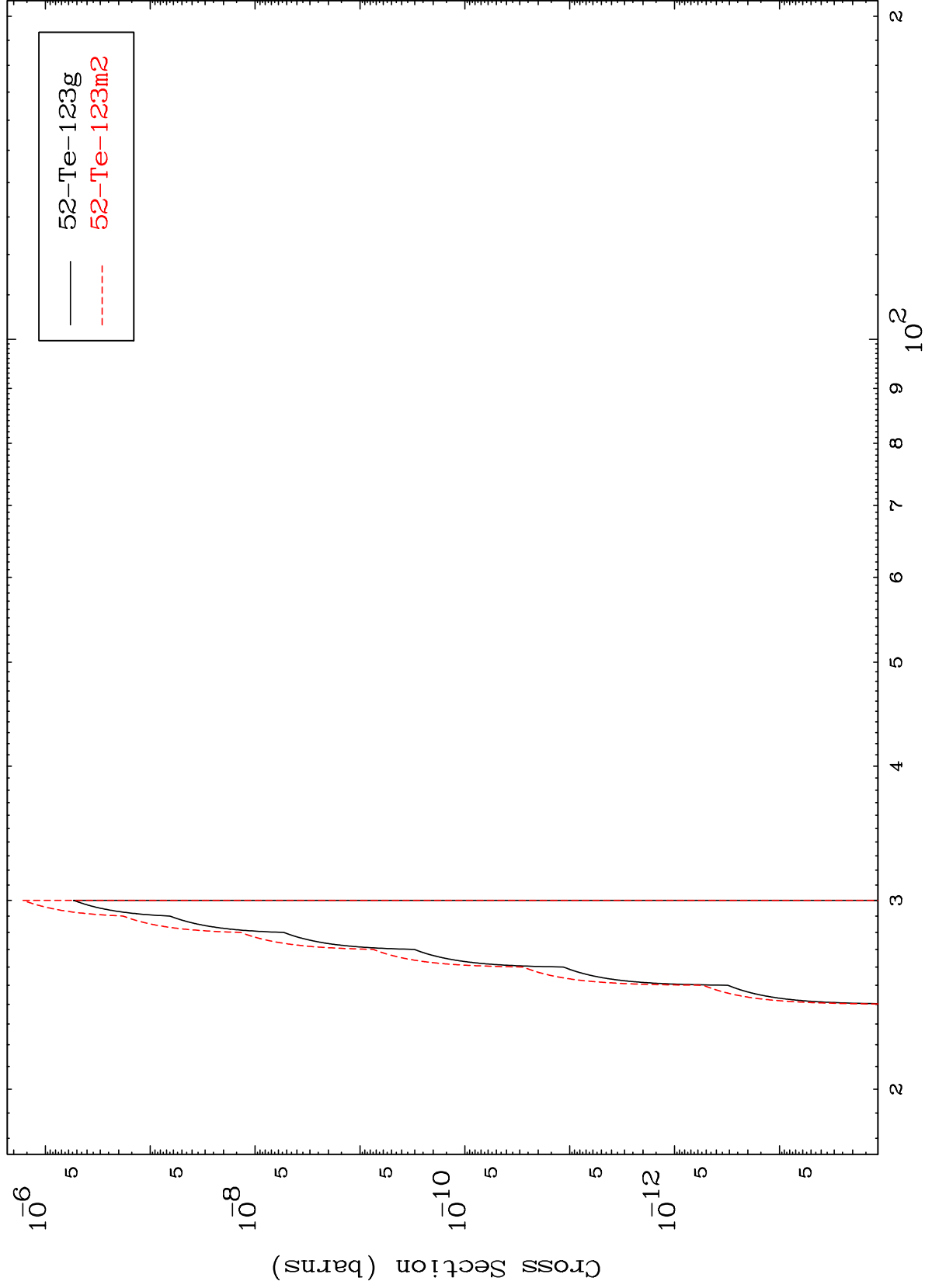
Incident Energy (MeV)

54-Xe-129m

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54-Xe-129m

(n,3n) α
Radionuclide Production Cross Section



23

Incident Energy (MeV)

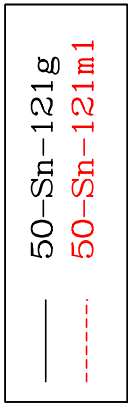
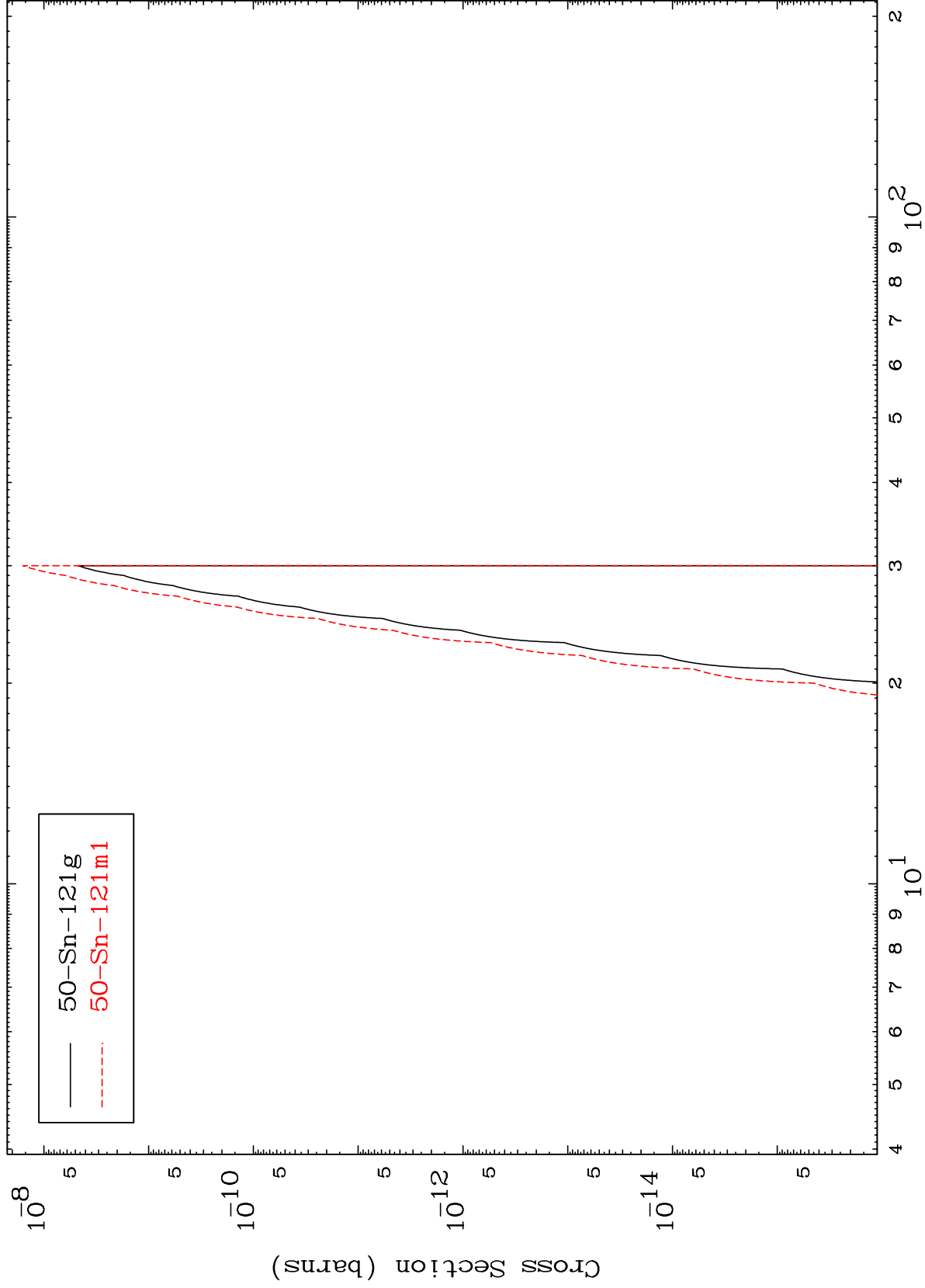
54-Xe-129m

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(n,n') 2 α

54-Xe-129m

Radionuclide Production Cross Section



Incident Energy (MeV)

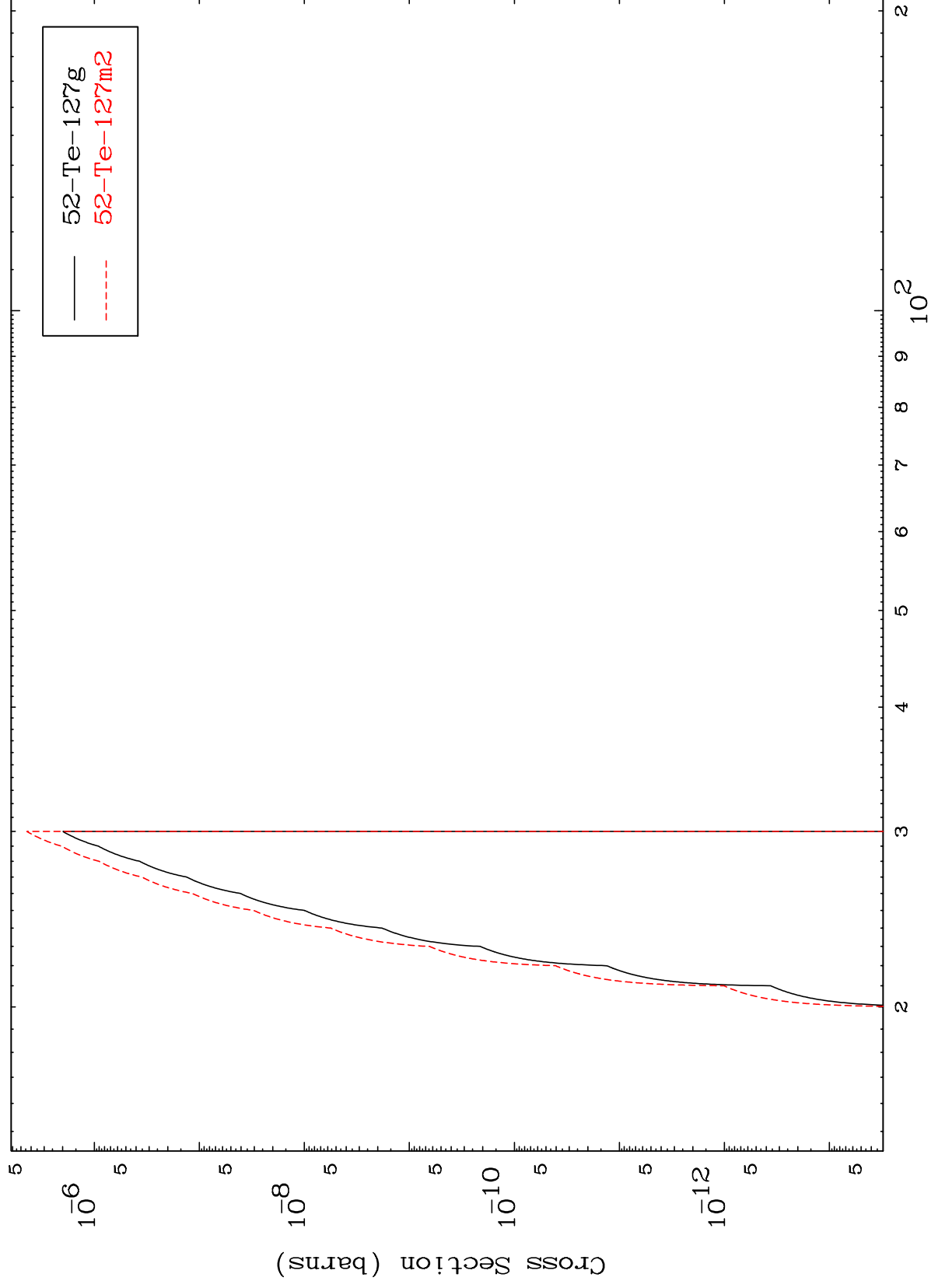
54-Xe-129m

24

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54-Xe-129m

(n,2n) p
Radionuclide Production Cross Section

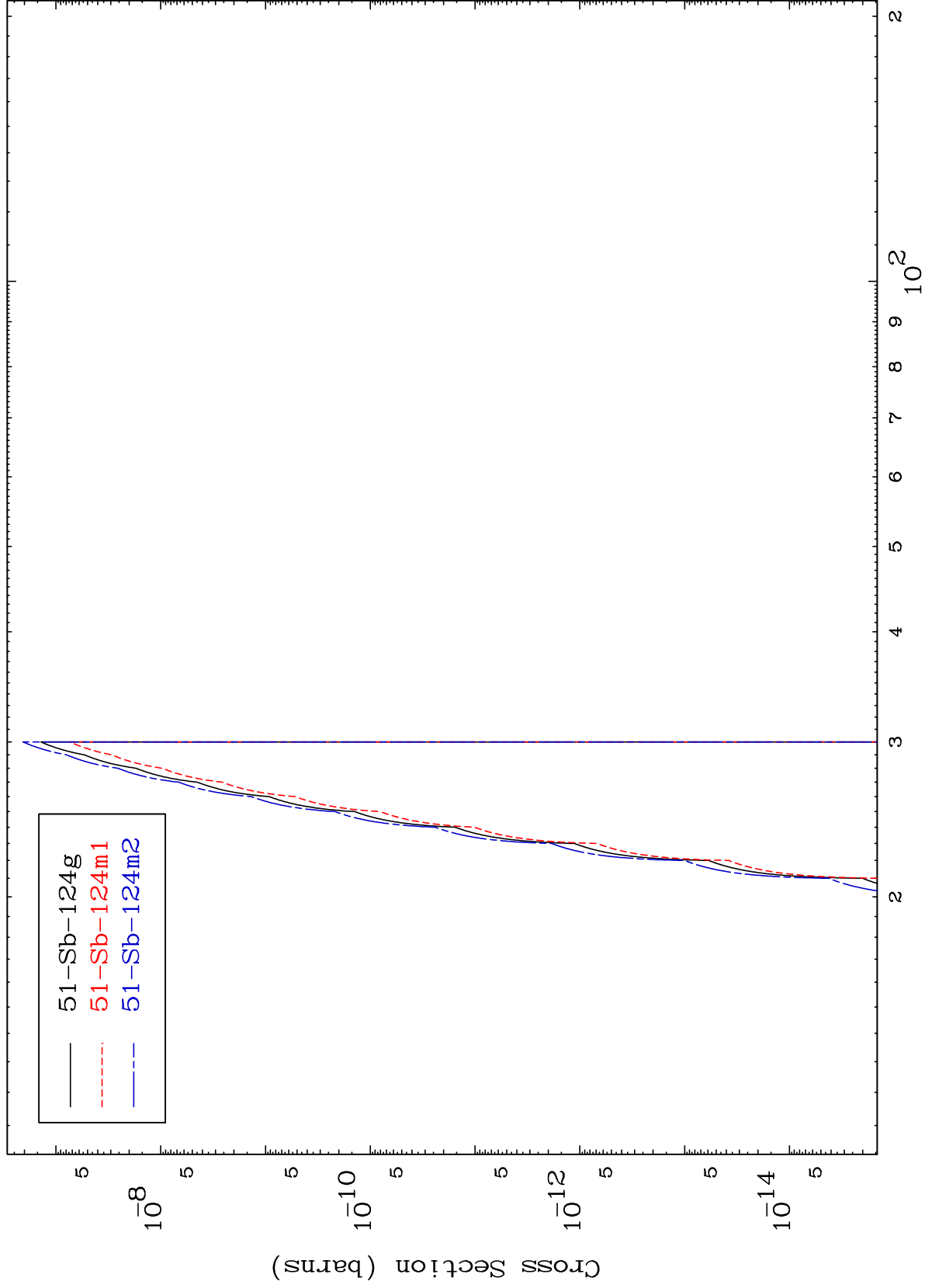


25

Incident Energy (MeV)

54-Xe-129m

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

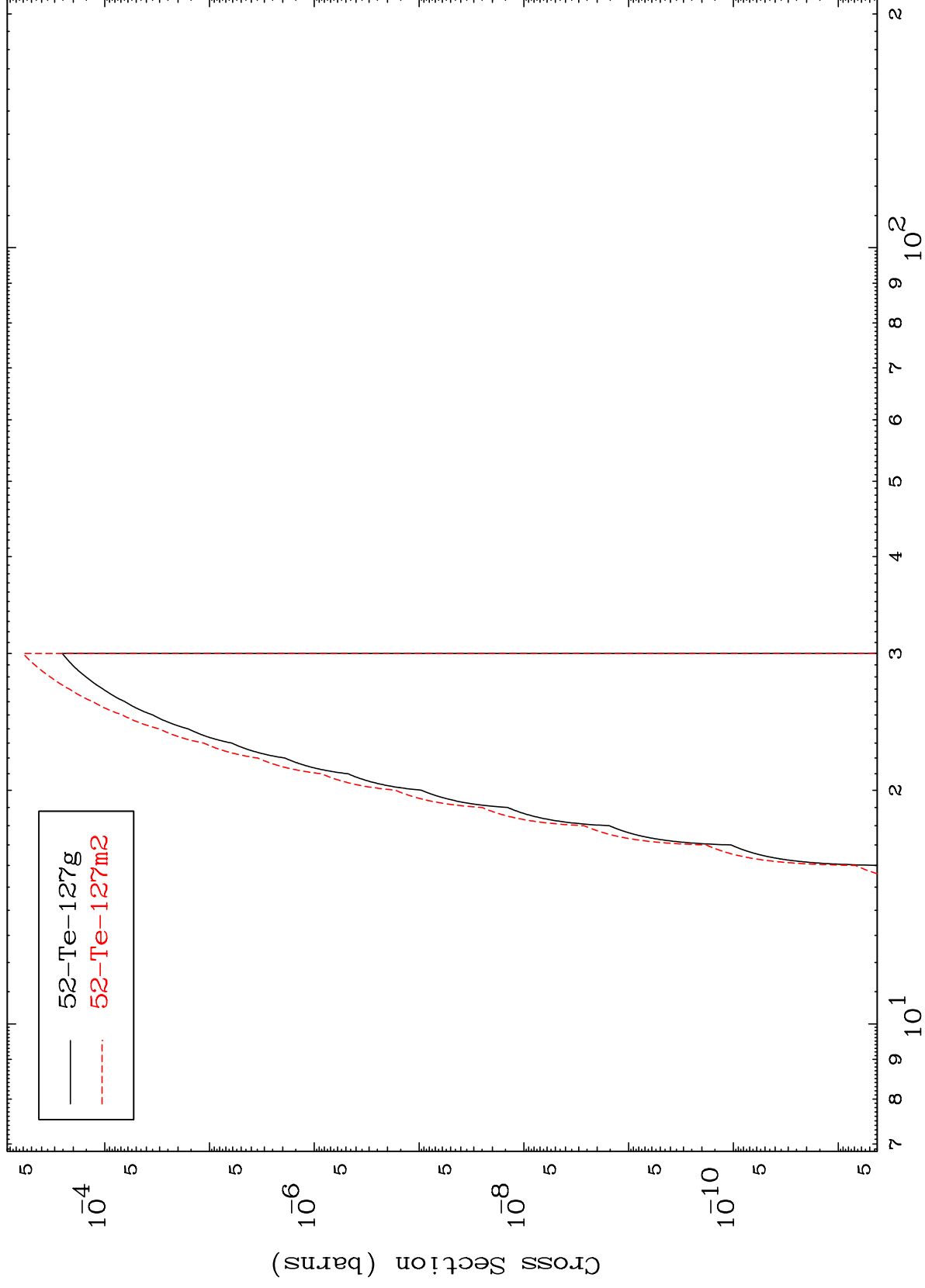


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(n,He-3)

54-Xe-129m

Radionuclide Production Cross Section



27

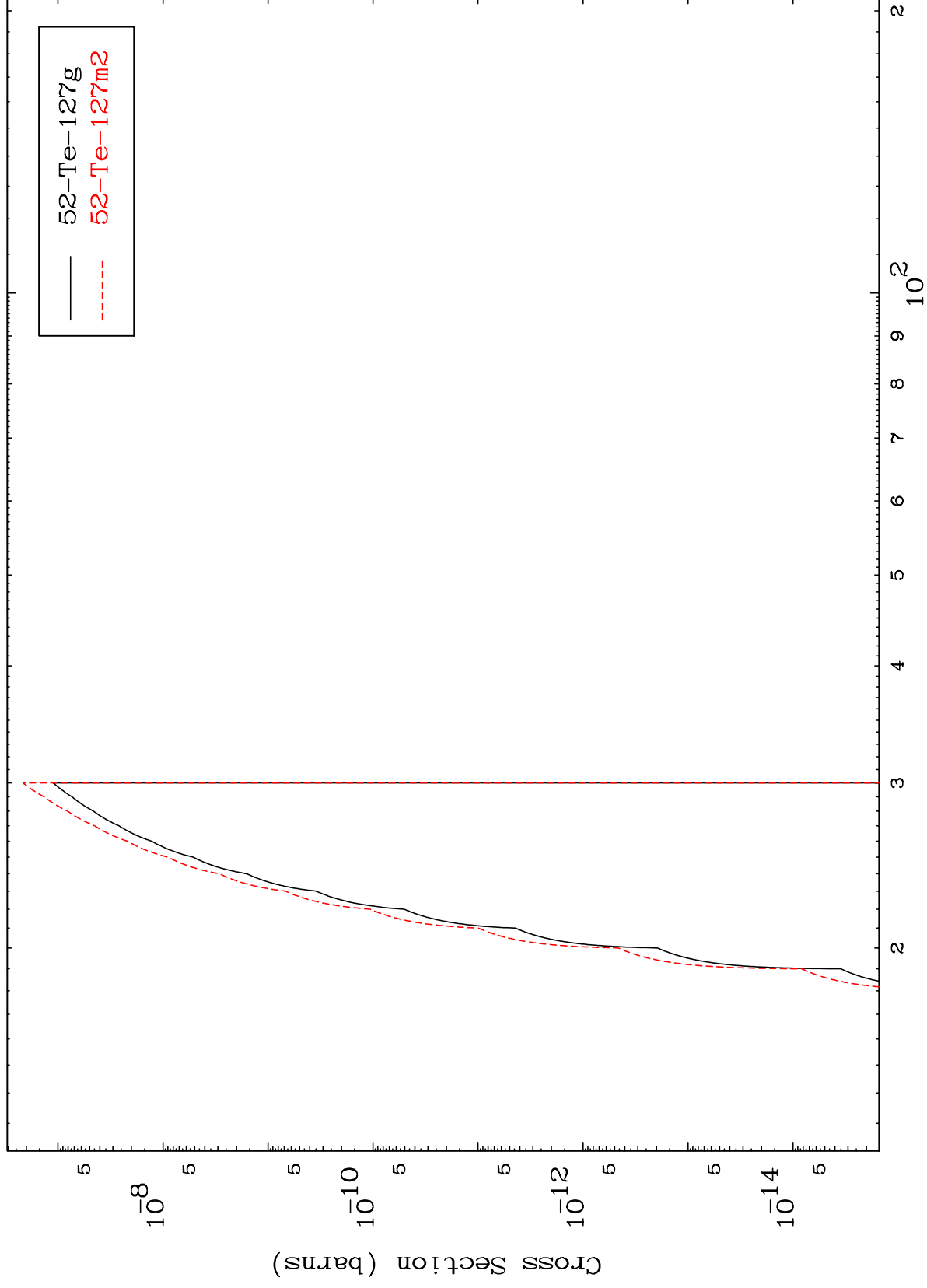
Incident Energy (MeV)

54-Xe-129m

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54-Xe-129m

(n,p) d
Radionuclide Production Cross Section



28

Incident Energy (MeV)

54-Xe-129m

