

Program EVALPLOT
(Version 2015-2)

by

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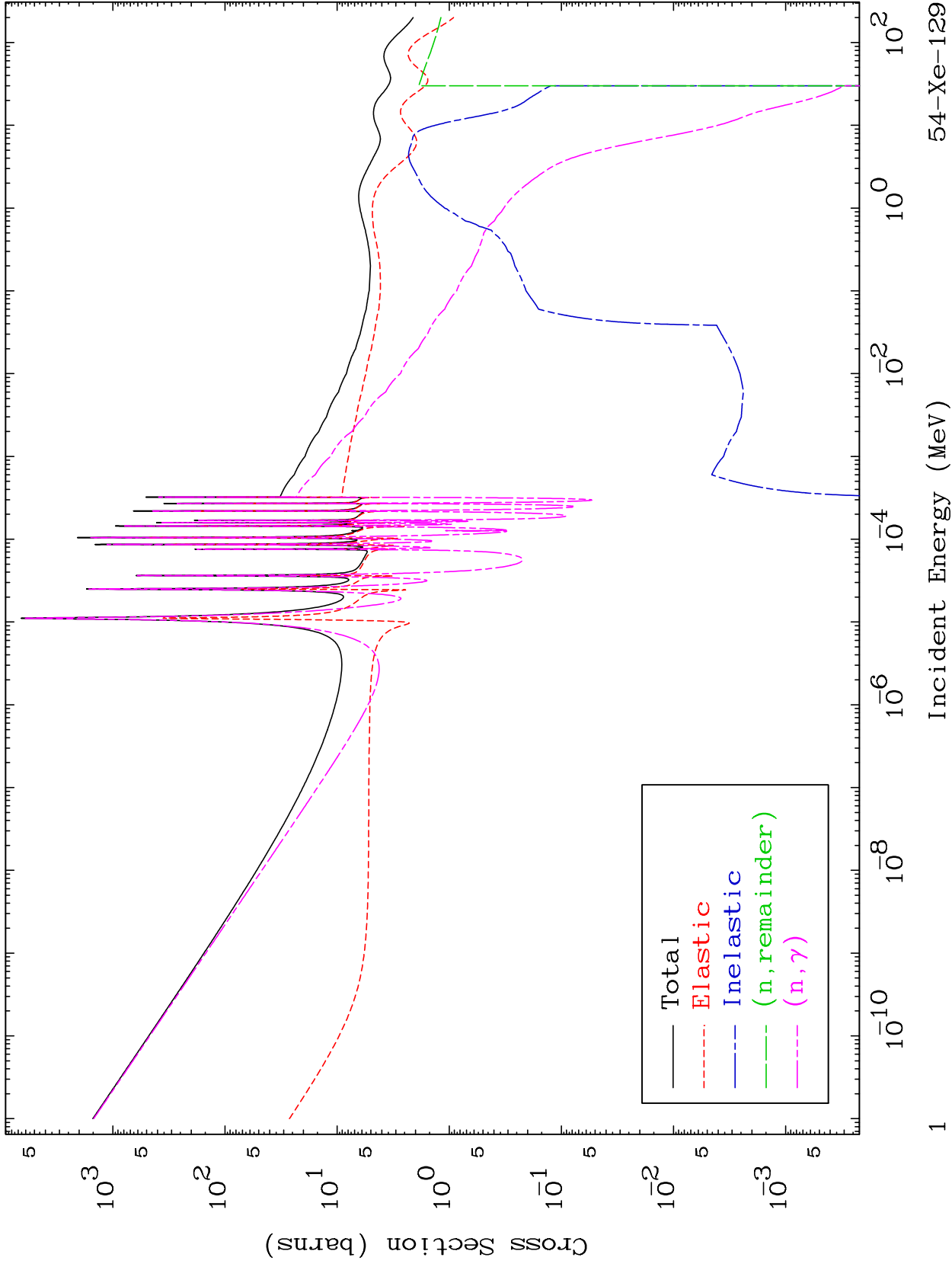
Press Mouse Button to Start

MAT 5441

Major

293 Kelvin Cross Sections

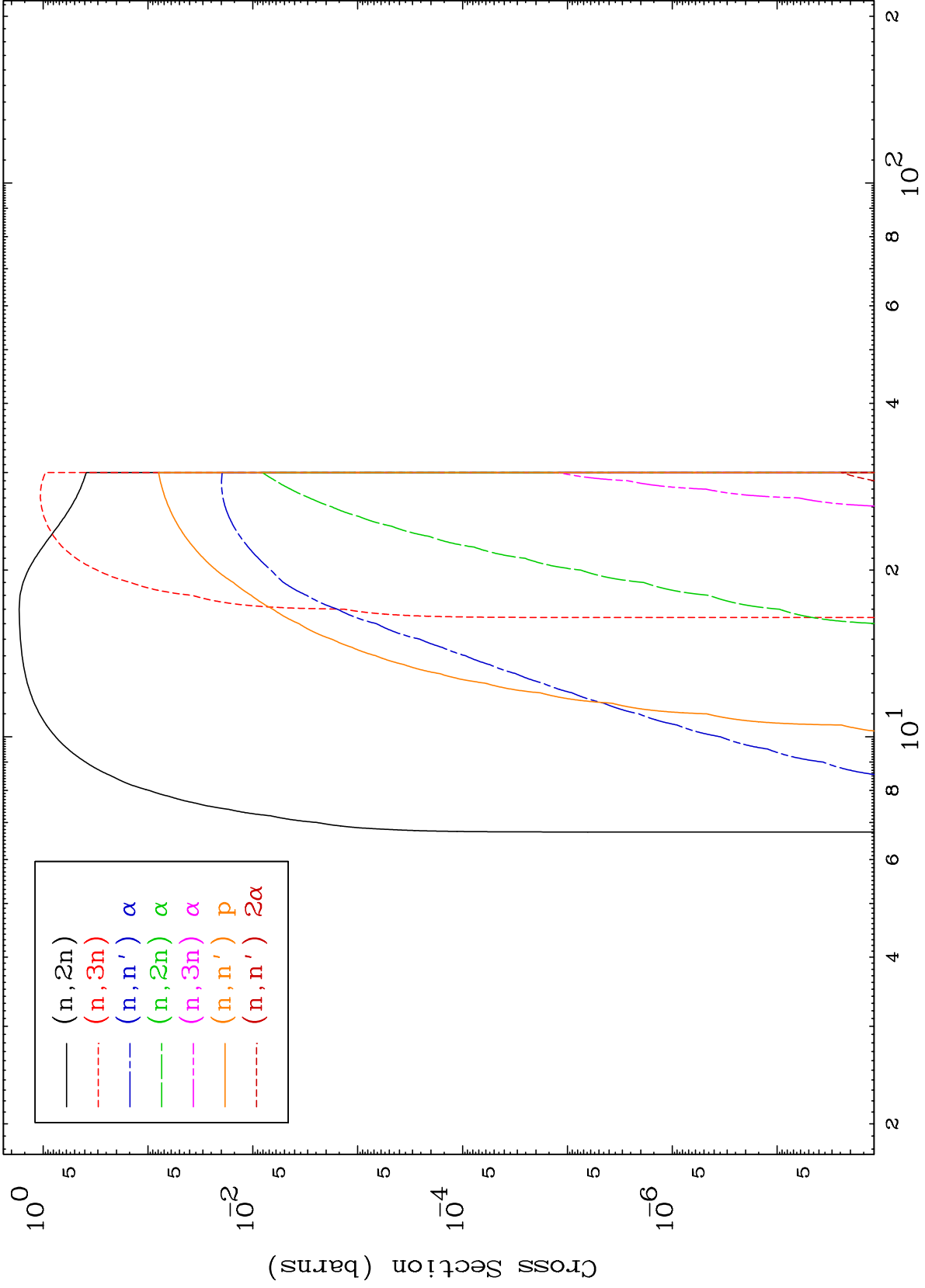
54-Xe-129



MAT 5441

Neutron Production
293 Kelvin Cross Sections

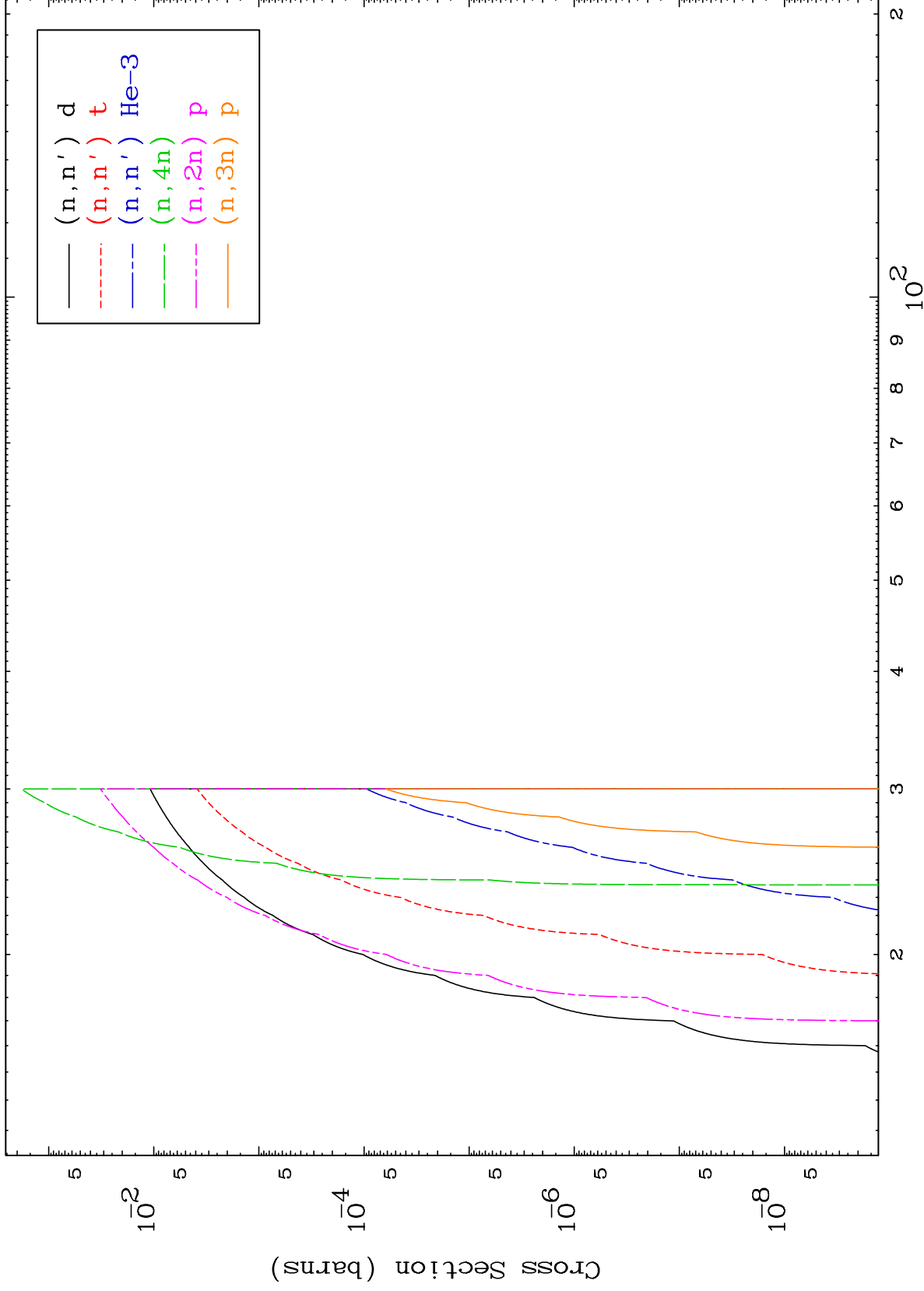
54-Xe-129



2

Incident Energy (MeV)

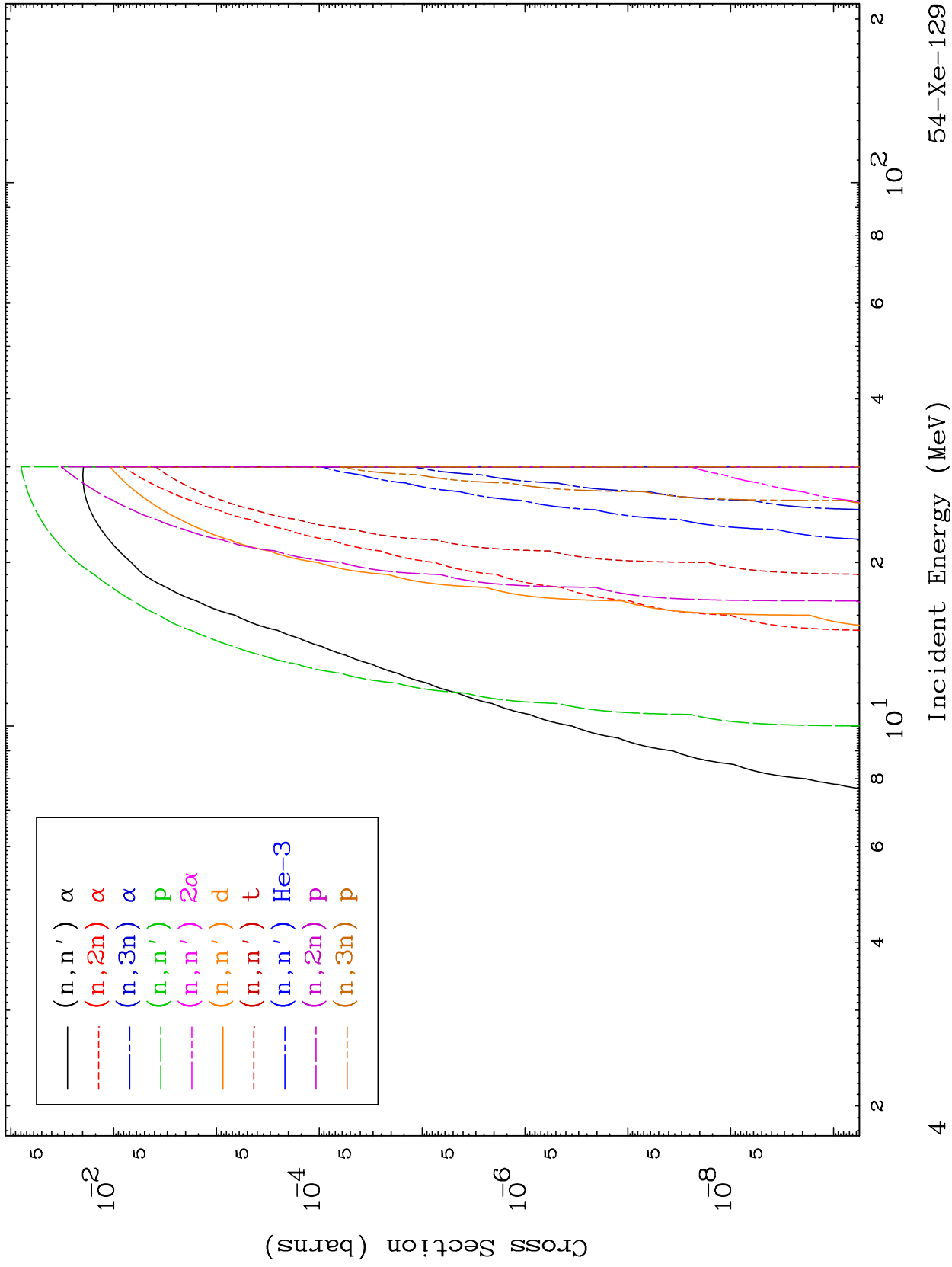
54-Xe-129



MAT 5441

Charged Particle
293 Kelvin Cross Sections

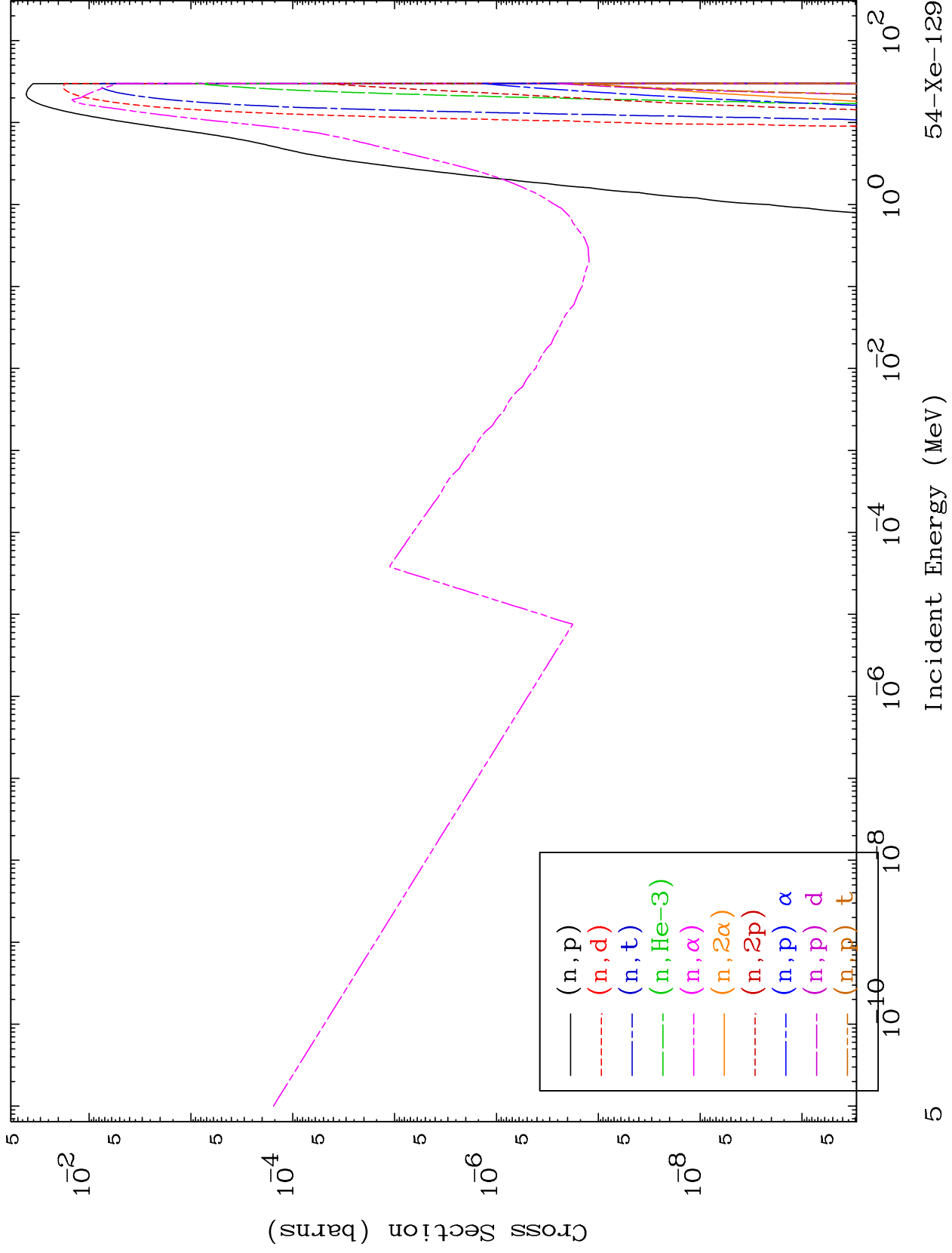
54-Xe-129



MAT 5441

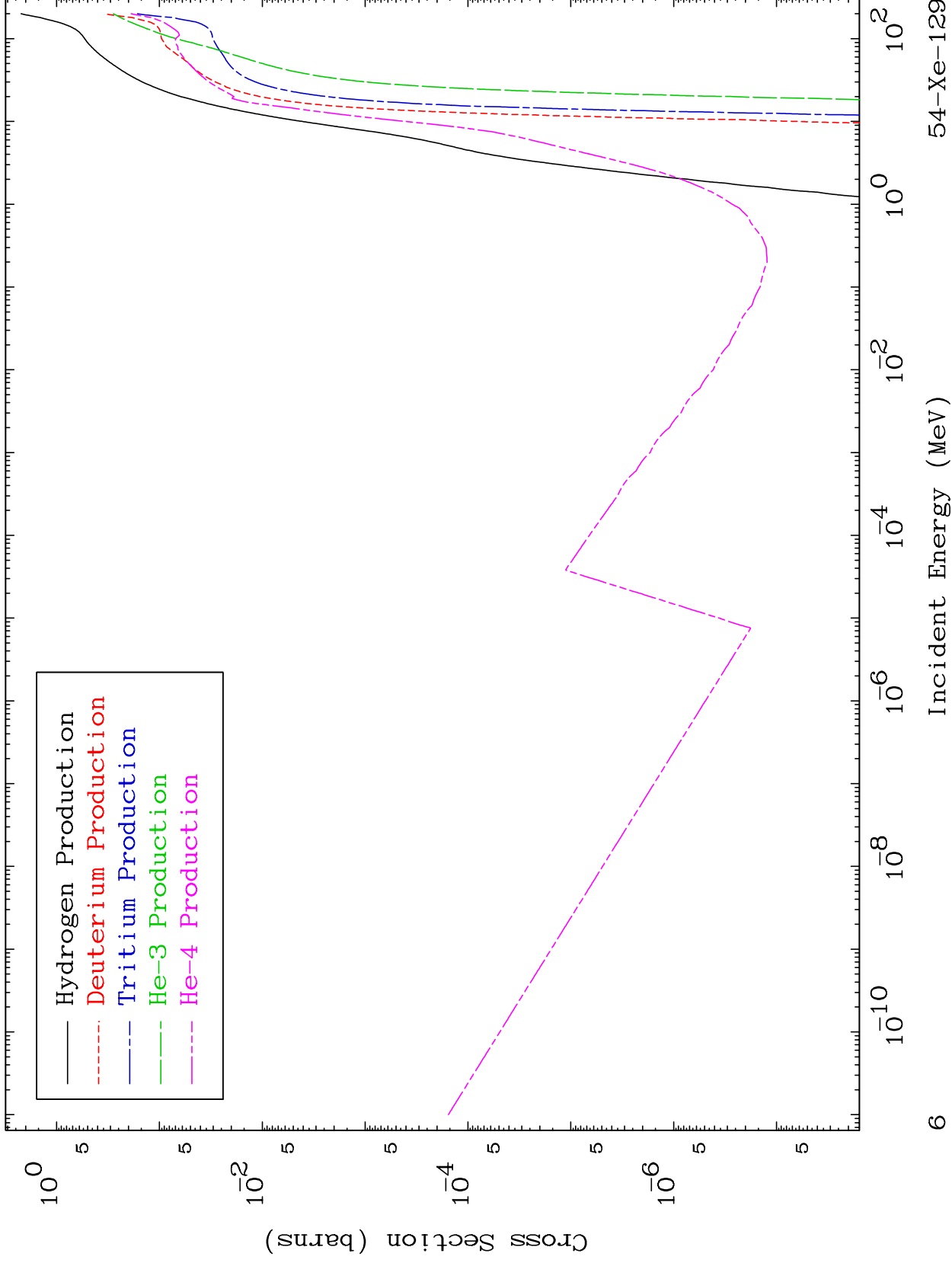
Charged Particle
293 Kelvin Cross Sections

54-Xe-129



5

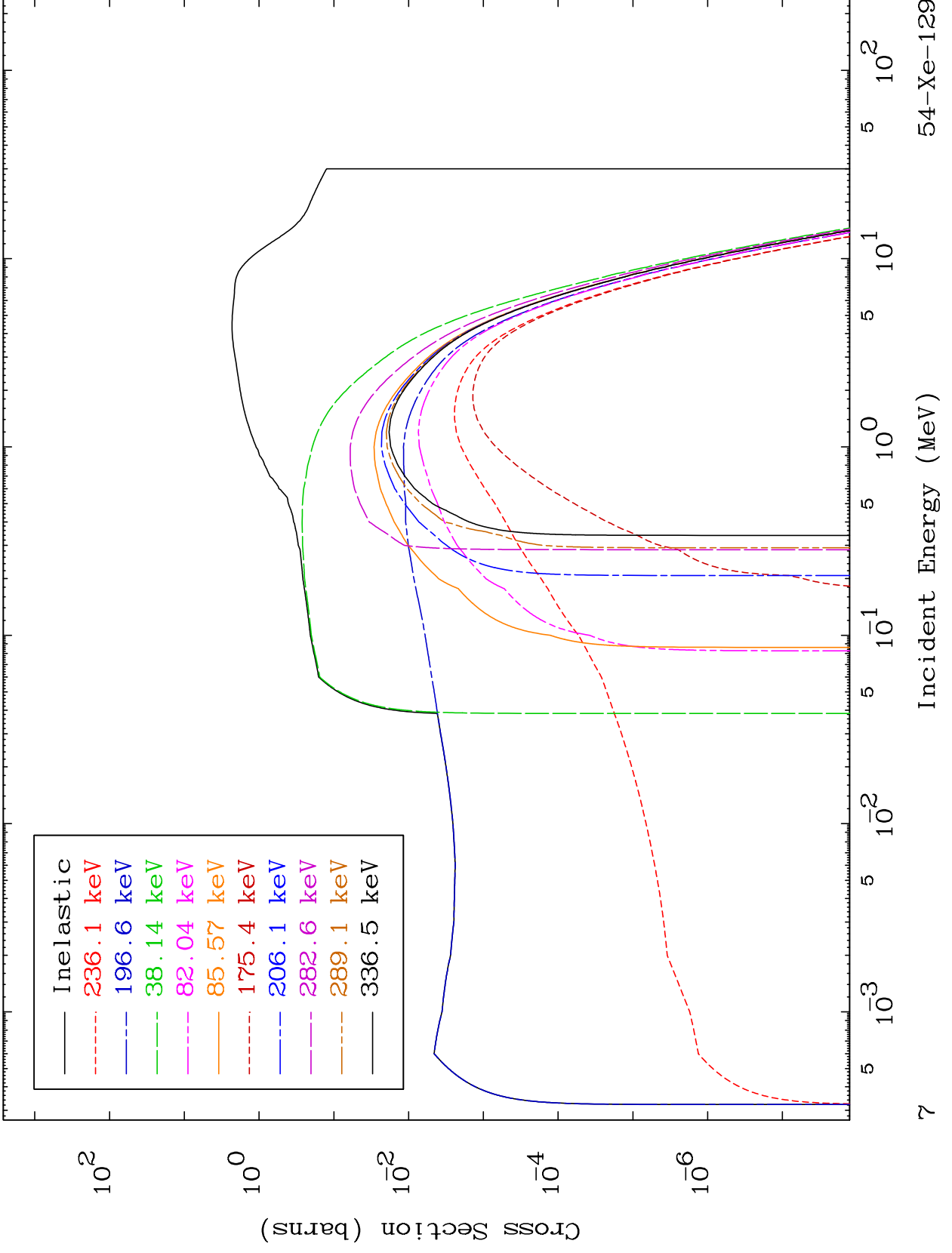
54-Xe-129



MAT 5441

(n,n') Level
293 Kelvin Cross Sections

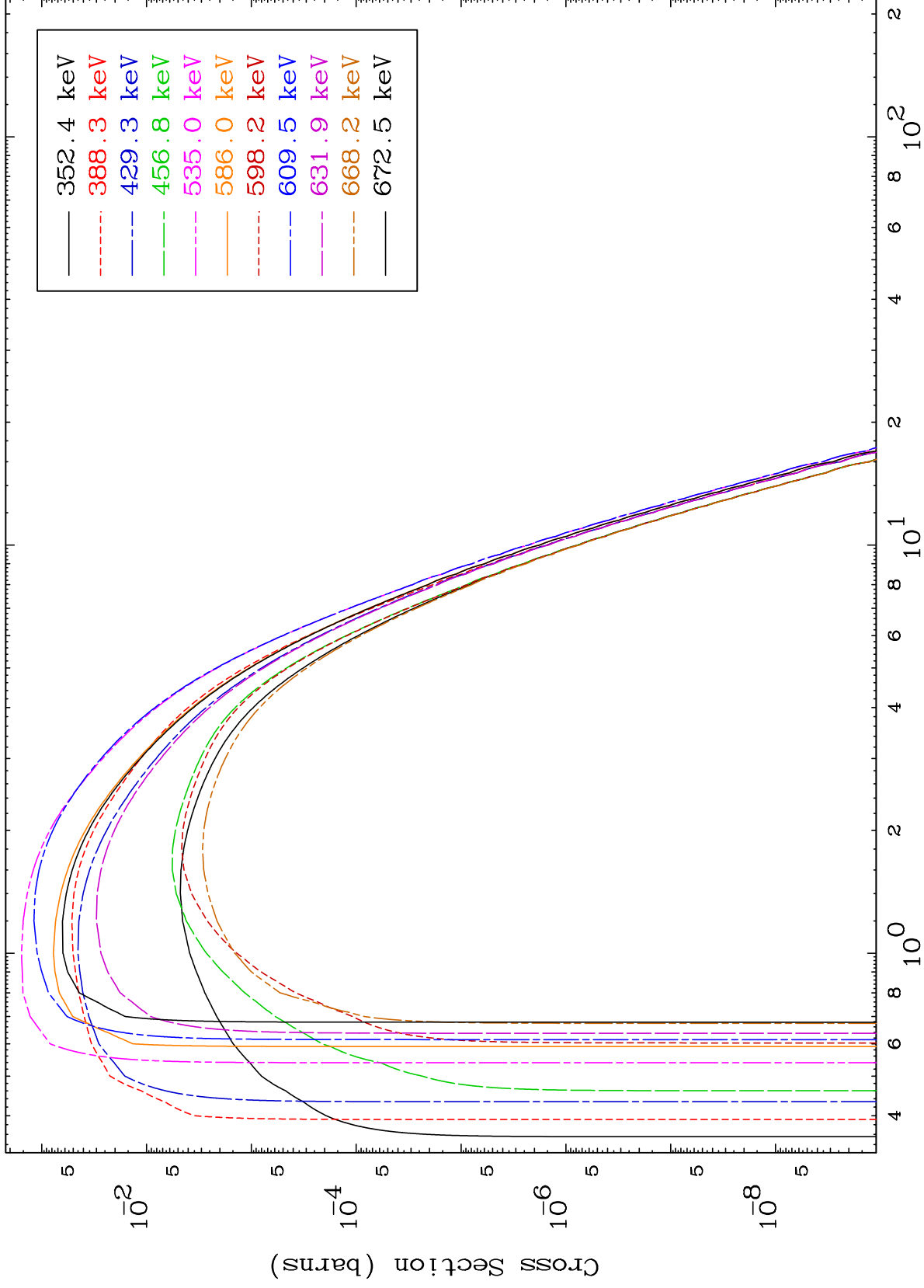
54-Xe-129



MAT 5441

(n,n') Level
293 Kelvin Cross Sections

54-Xe-129



8

Incident Energy (MeV)

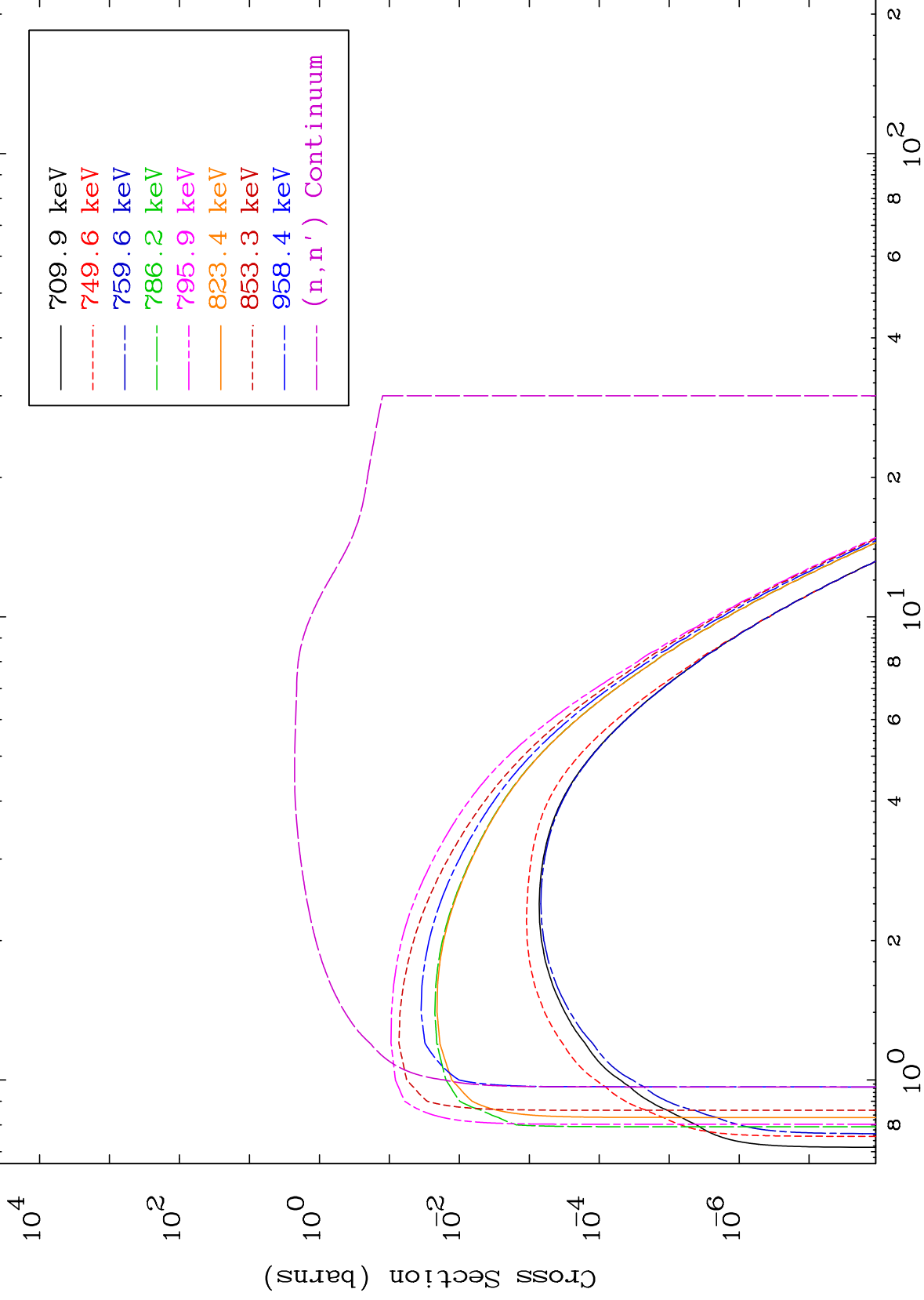
54-Xe-129

MAT 5441

(n,n') Level

54-Xe-129

293 Kelvin Cross Sections



9

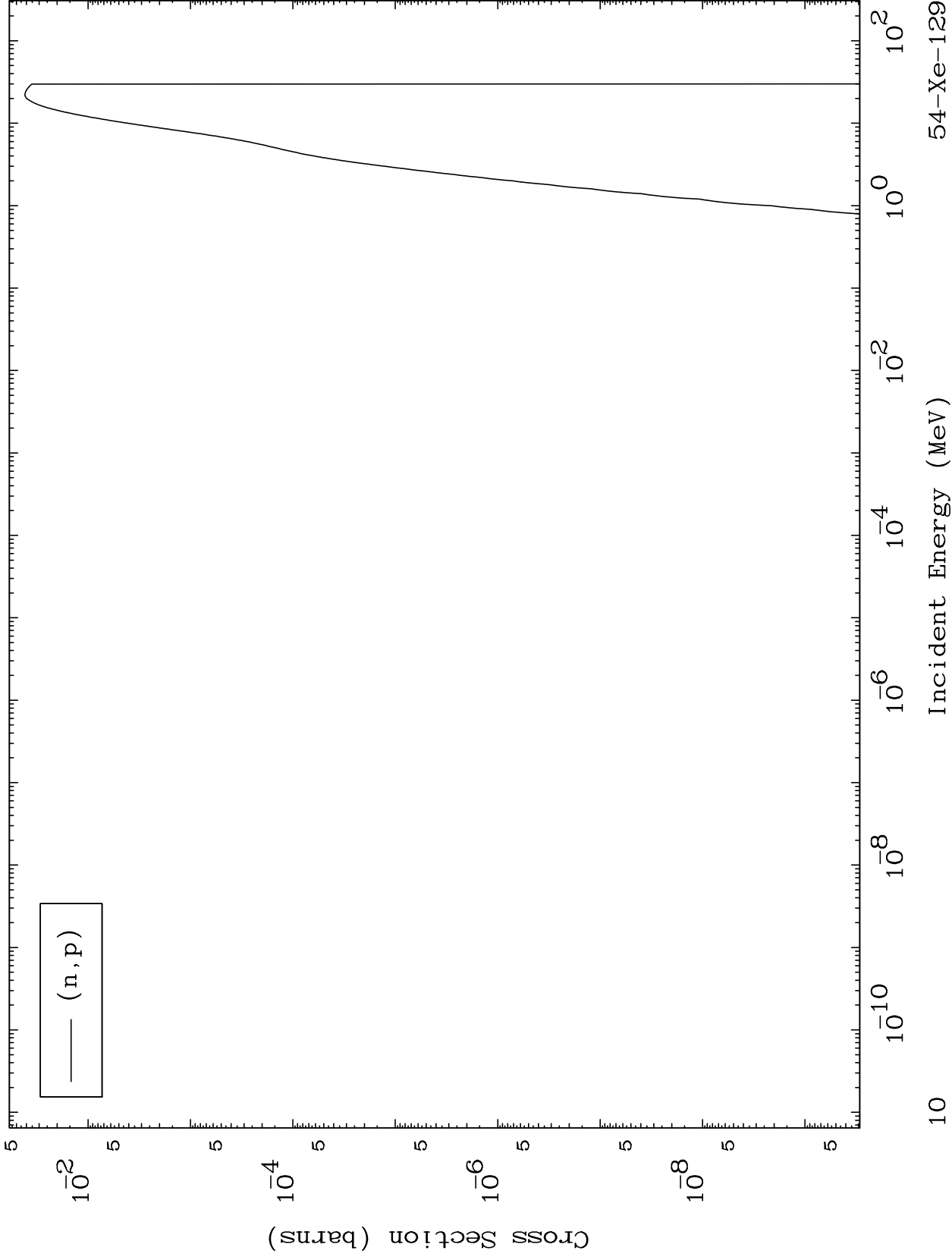
Incident Energy (MeV)

54-Xe-129

MAT 5441

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-129



10

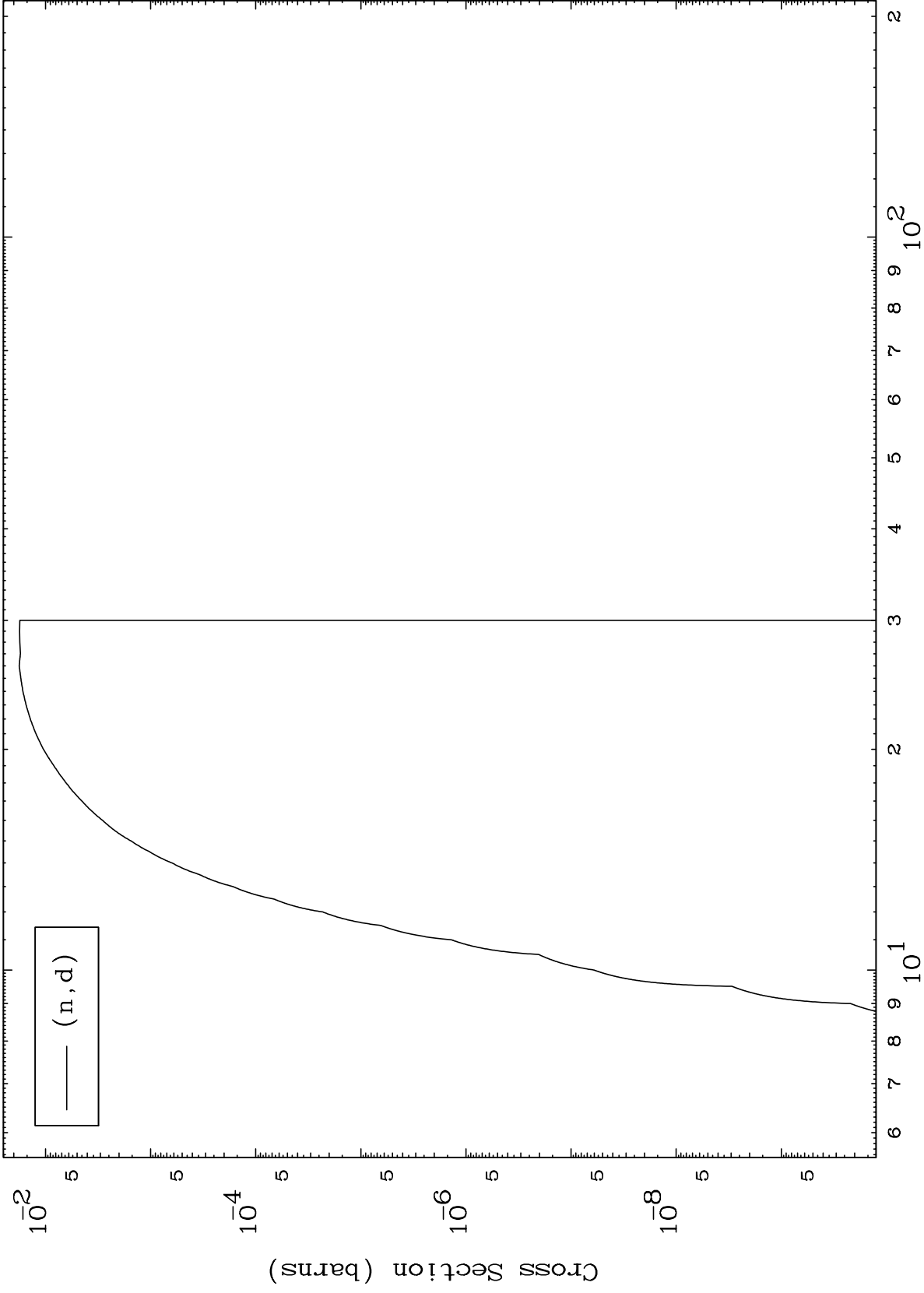
Incident Energy (MeV)

54-Xe-129

MAT 5441

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-129



(n,d)

11

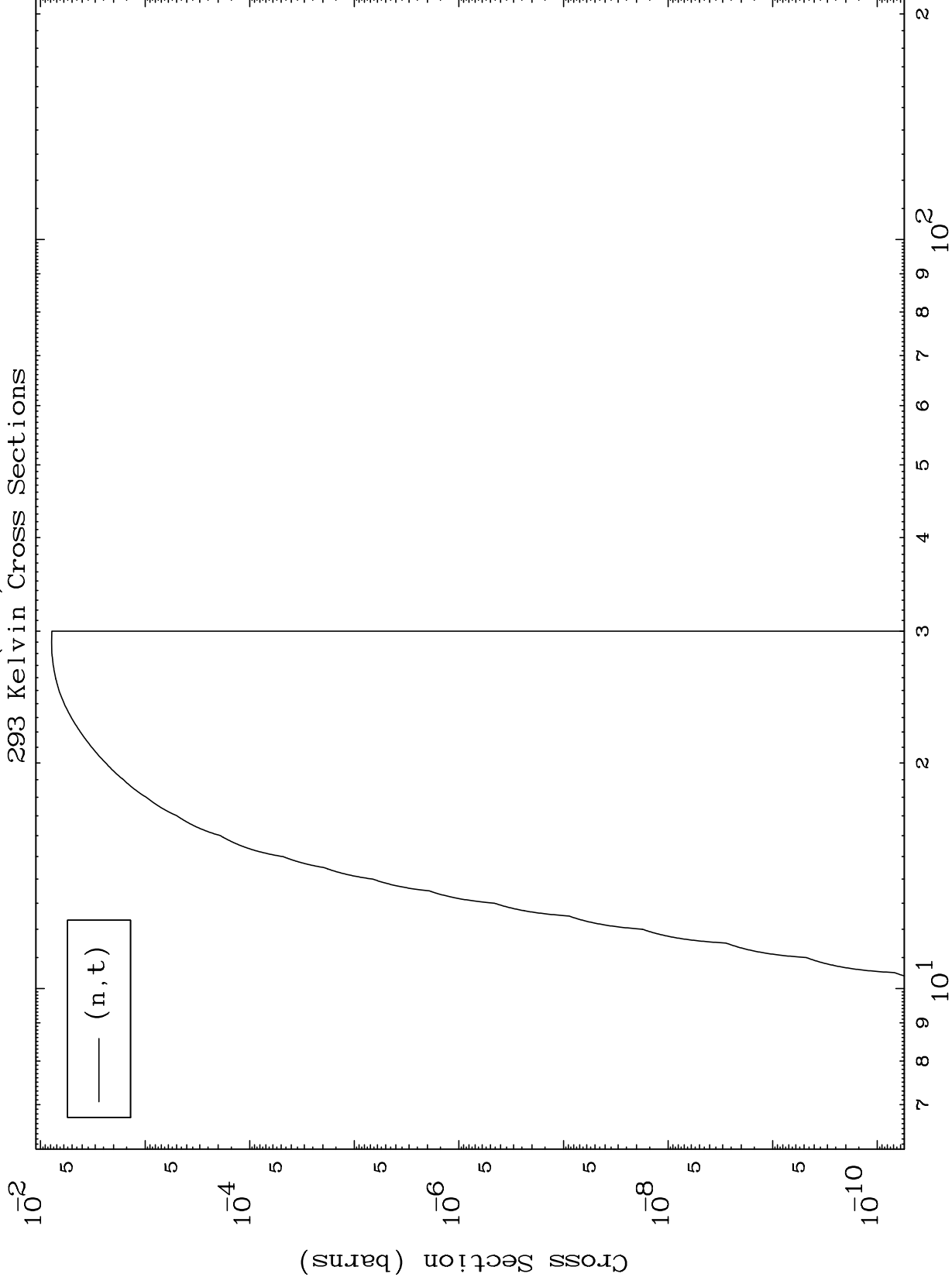
Incident Energy (MeV)

54-Xe-129

MAT 5441

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-129



12

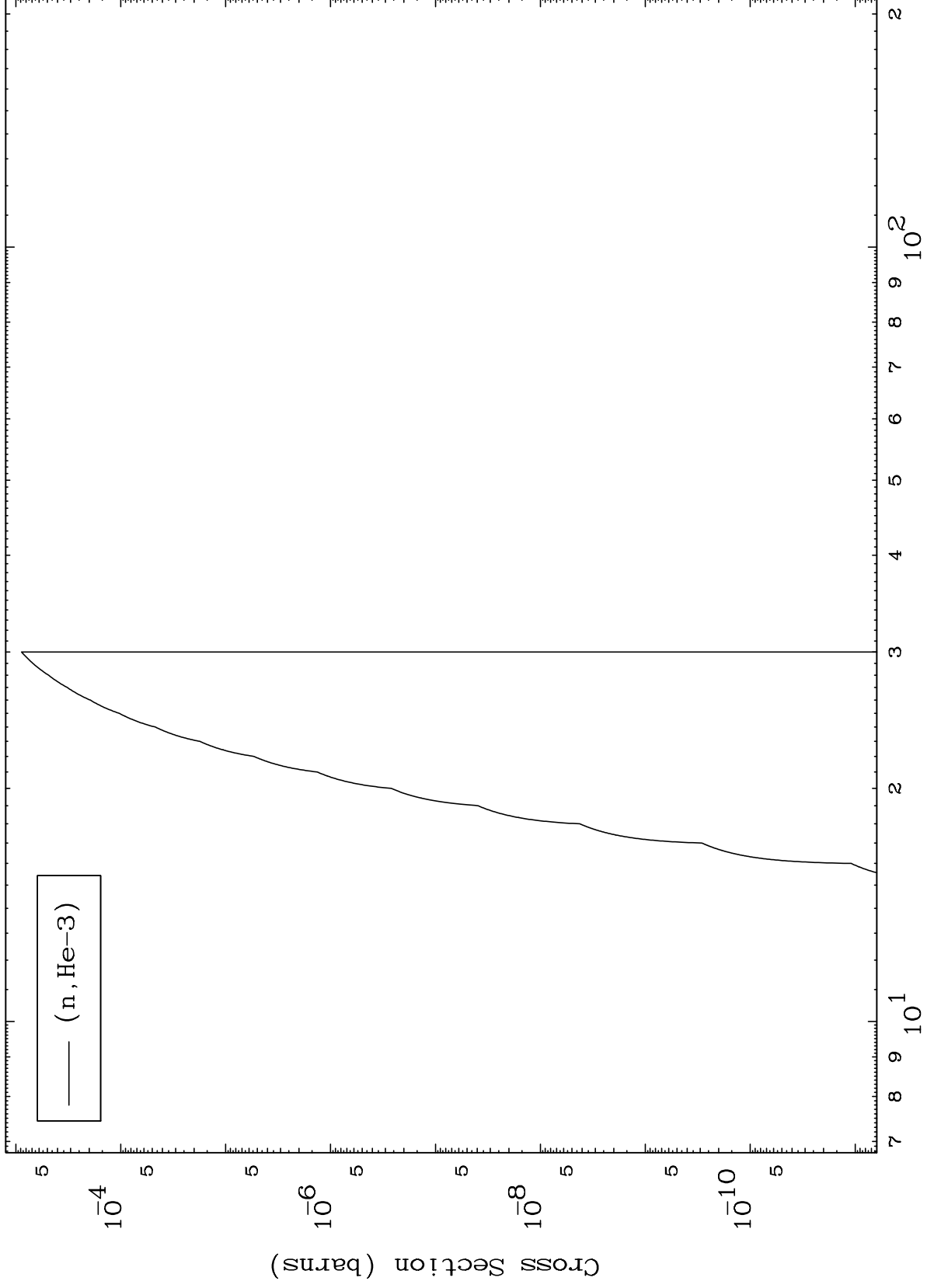
Incident Energy (MeV)

54-Xe-129

MAT 5441

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-129



13

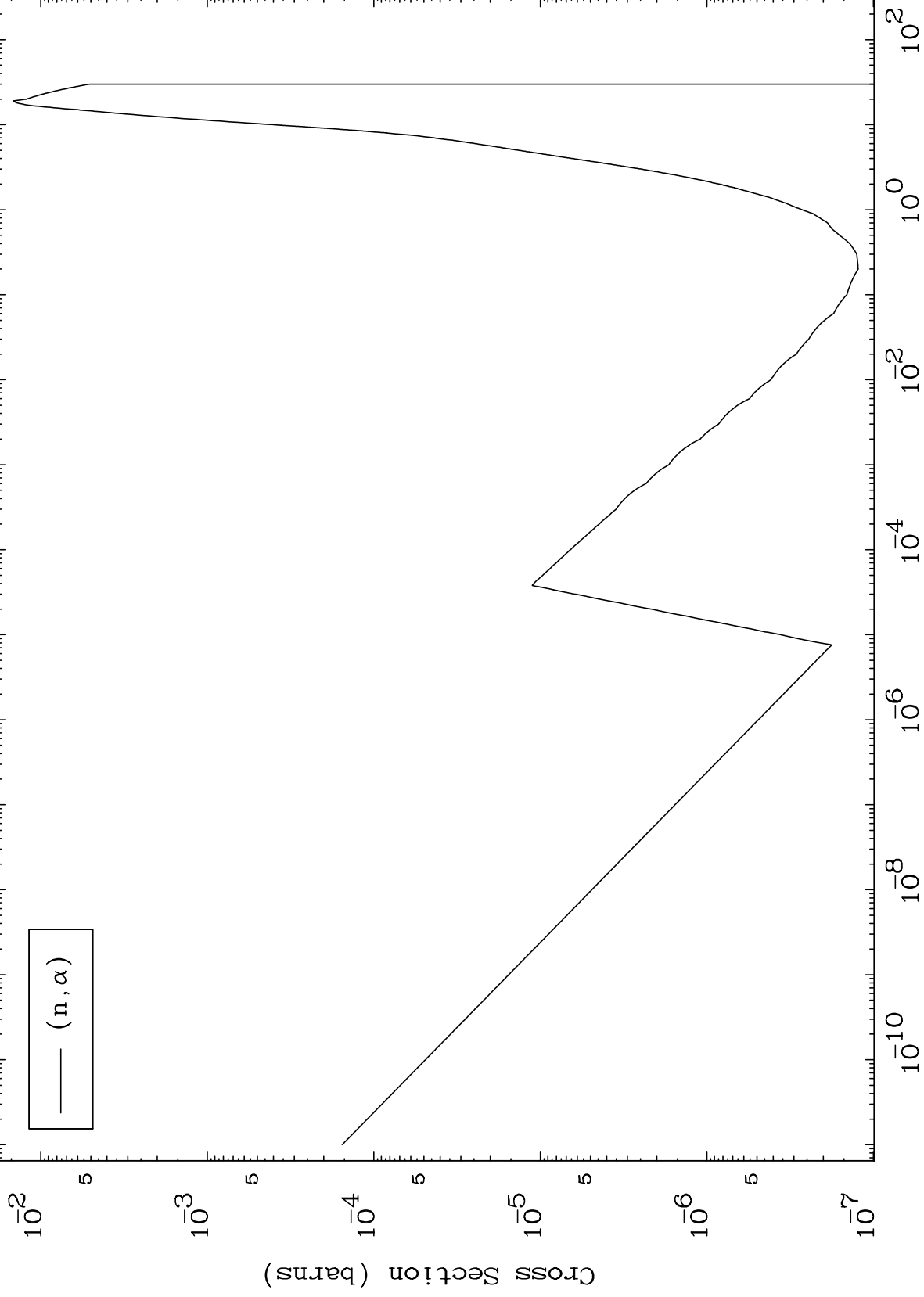
Incident Energy (MeV)

54-Xe-129

MAT 5441

(n, α) Levels
293 Kelvin Cross Sections

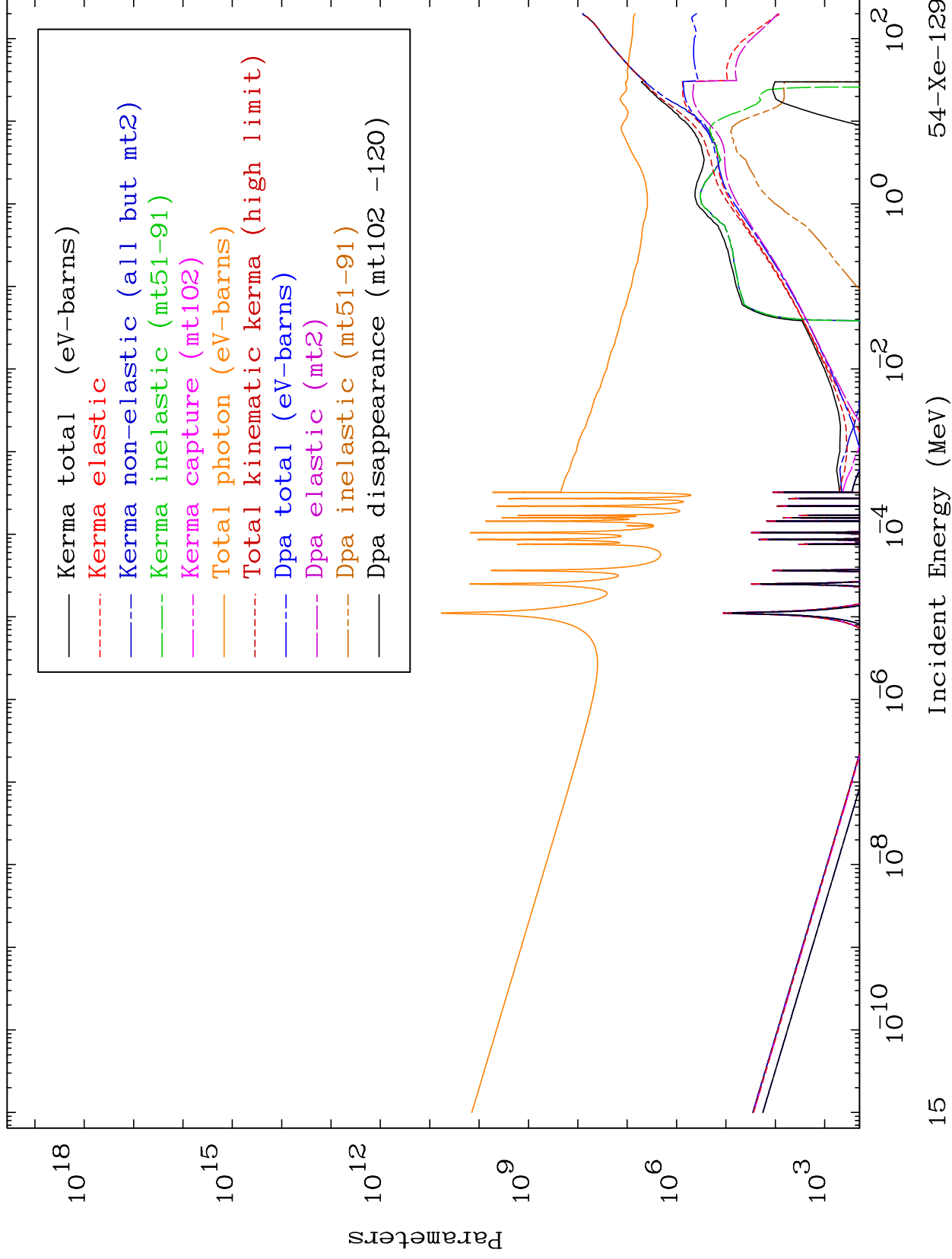
54-Xe-129



14

Incident Energy (MeV)

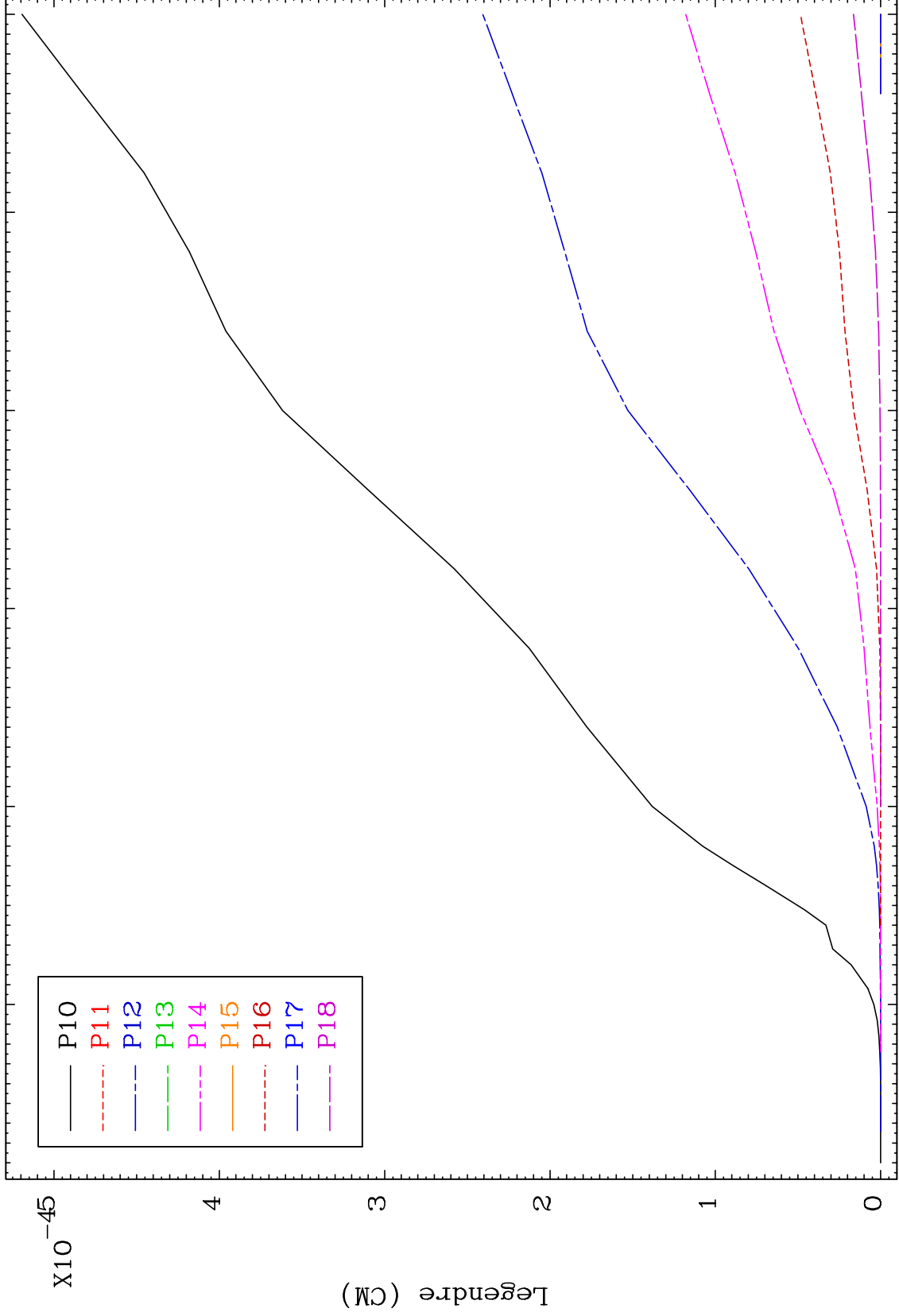
54-Xe-129



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Elastic Legendre Coefficients

54-Xe-129



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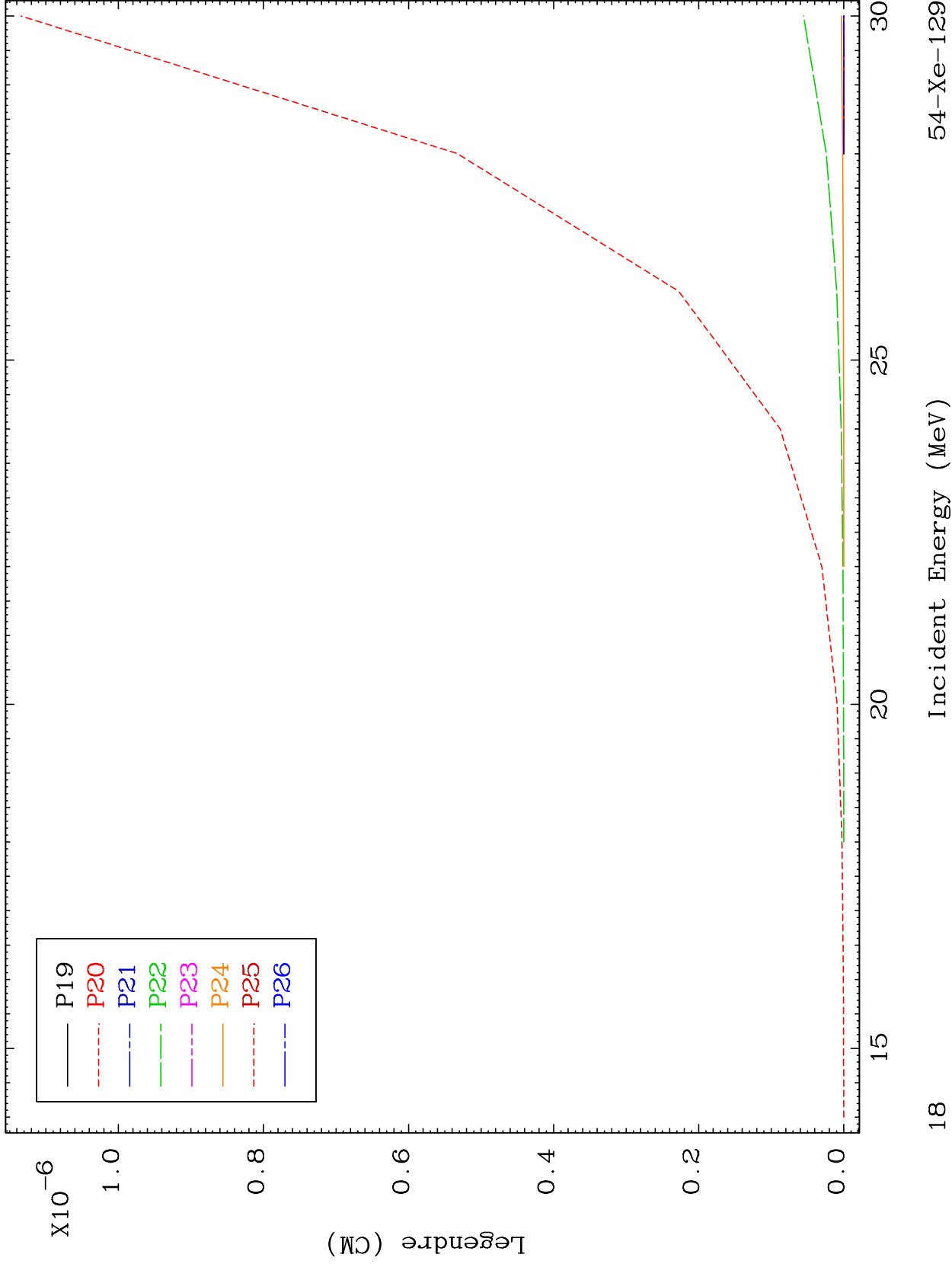
Incident Energy (MeV)

54-Xe-129

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Elastic Legendre Coefficients

54-Xe-129



18

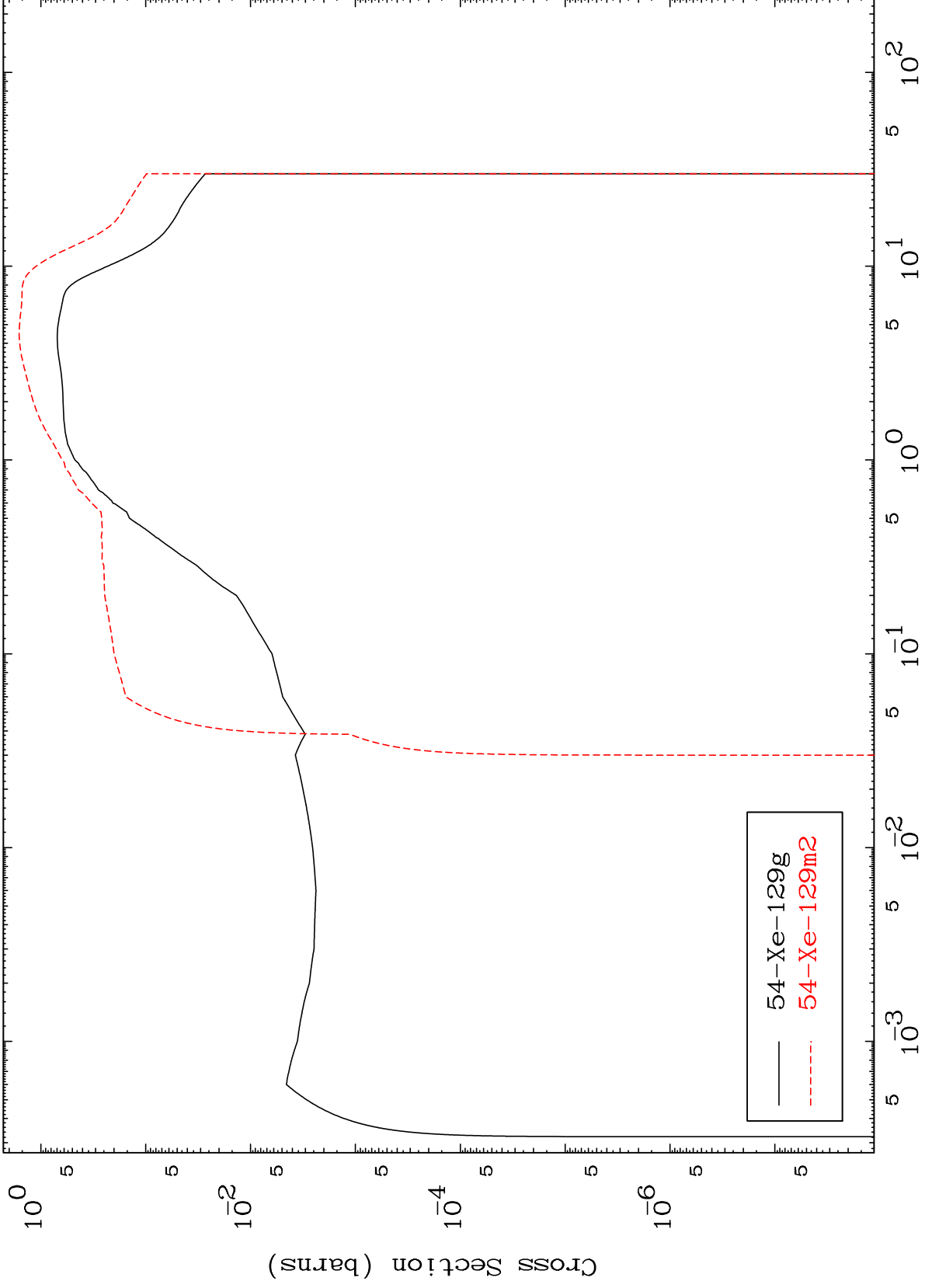
Incident Energy (MeV)

54-Xe-129

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54-Xe-129

Inelastic
Radionuclide Production Cross Section



19

54-Xe-129

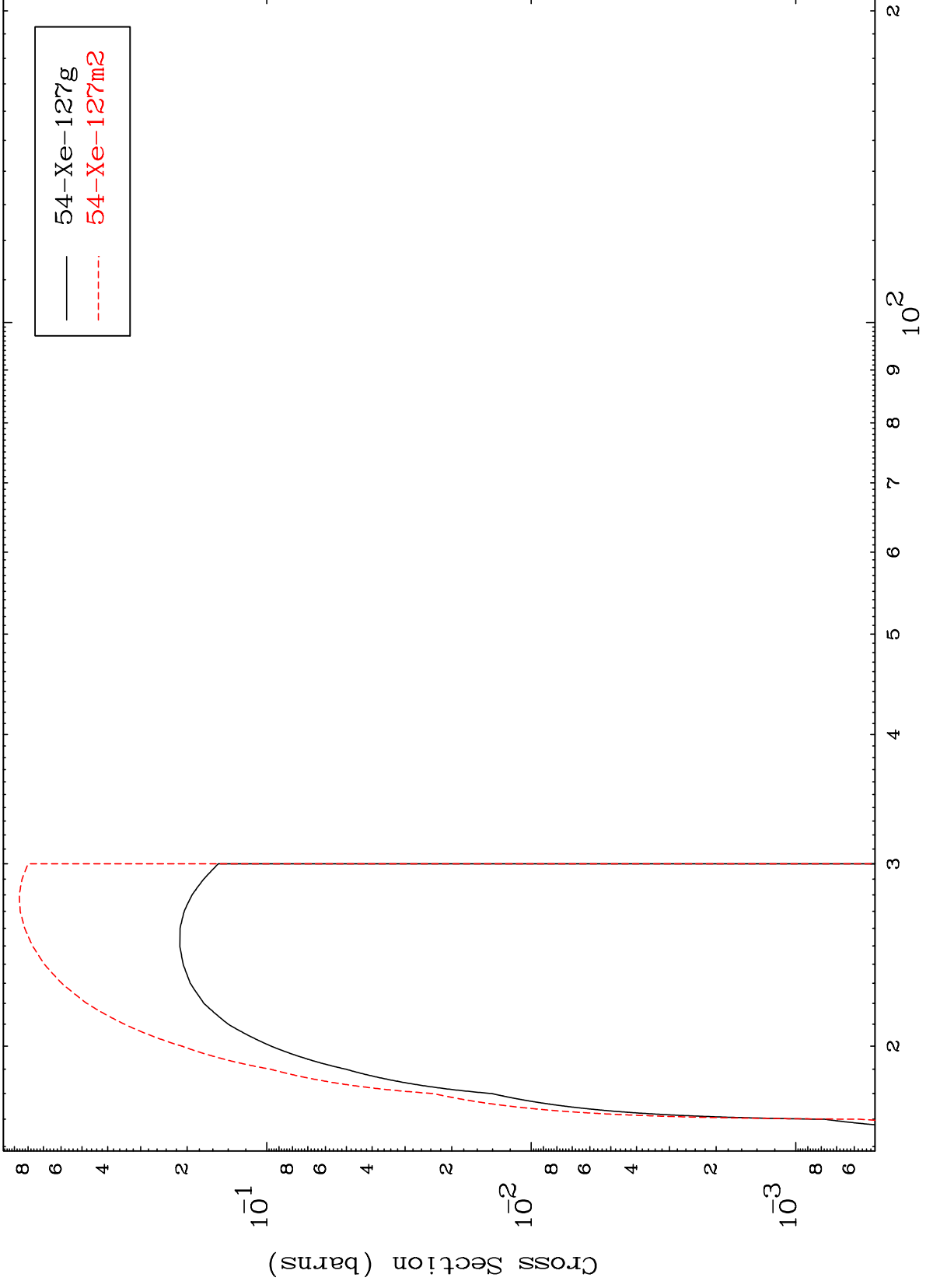
Incident Energy (MeV)

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(n,3n)

54-Xe-129

Radionuclide Production Cross Section



20

Incident Energy (MeV)

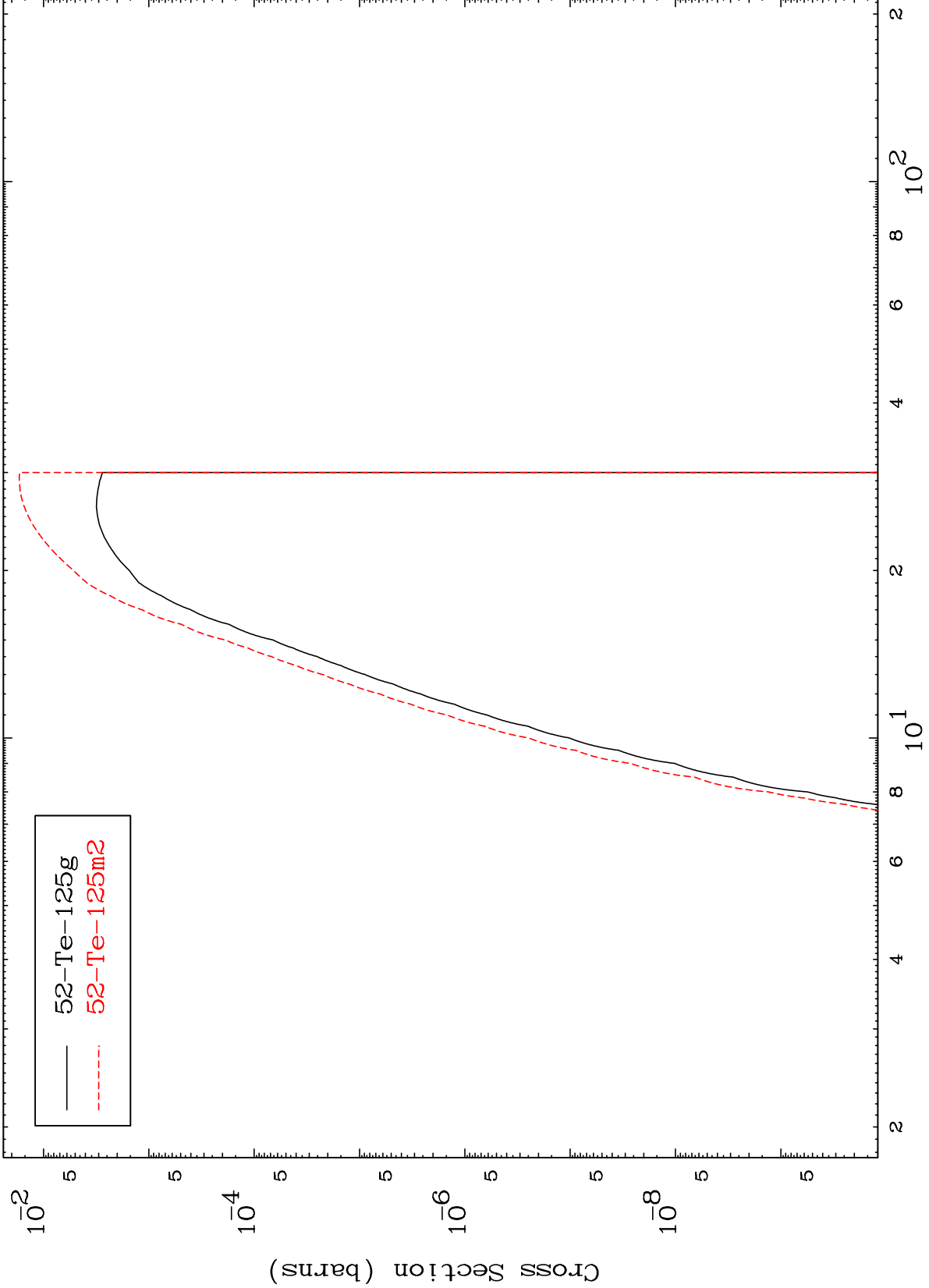
54-Xe-129

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54-Xe-129

(n,n') α

Radionuclide Production Cross Section



— 52-Te-125g
- - - 52-Te-125m2

54-Xe-129

Incident Energy (MeV)

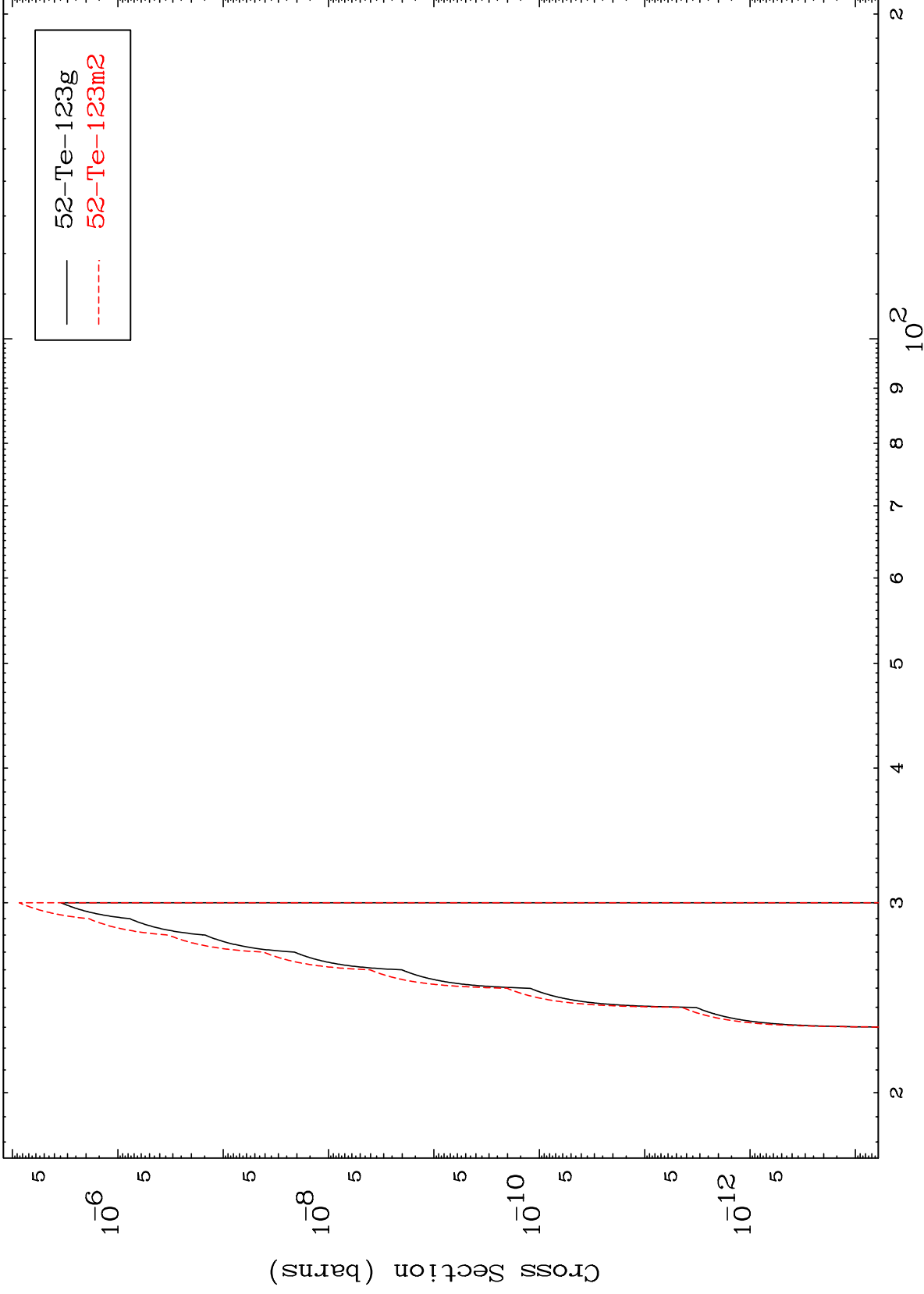
21

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(n,3n) α

54-Xe-129

Radionuclide Production Cross Section



22

Incident Energy (MeV)

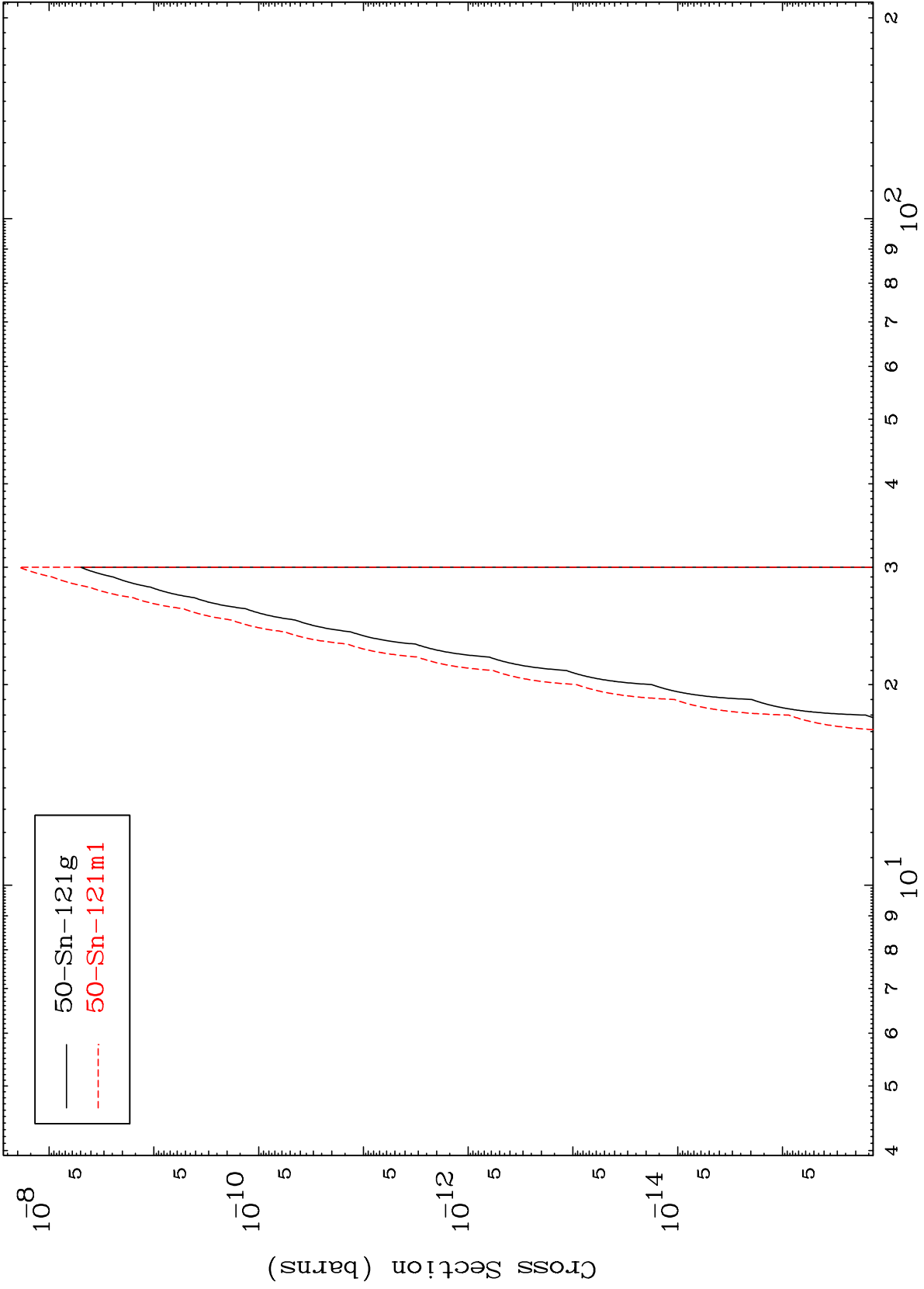
54-Xe-129

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(n,n') 2 α

54-Xe-129

Radionuclide Production Cross Section



23

Incident Energy (MeV)

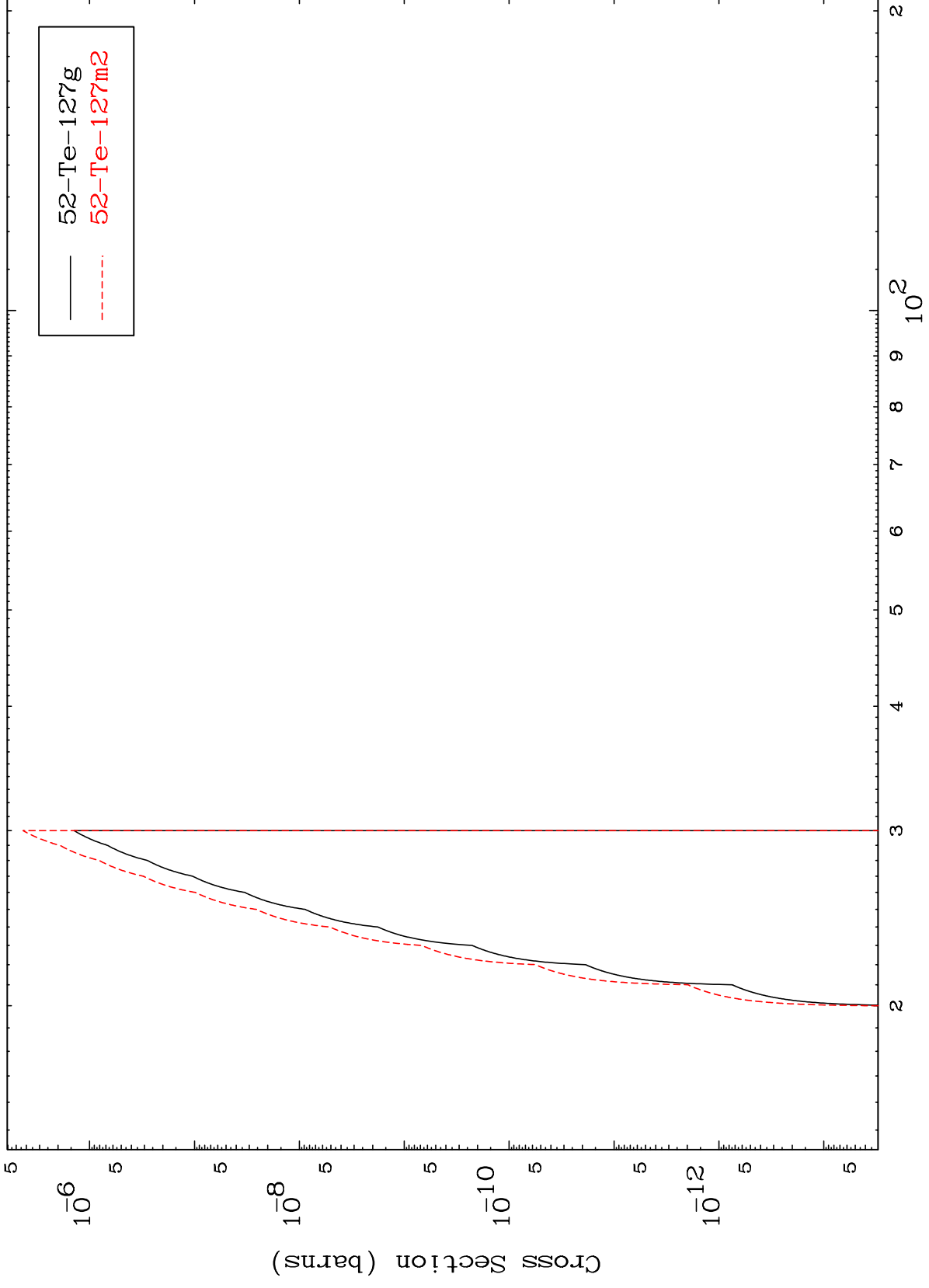
54-Xe-129

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(n,2n) p

54-Xe-129

Radionuclide Production Cross Section

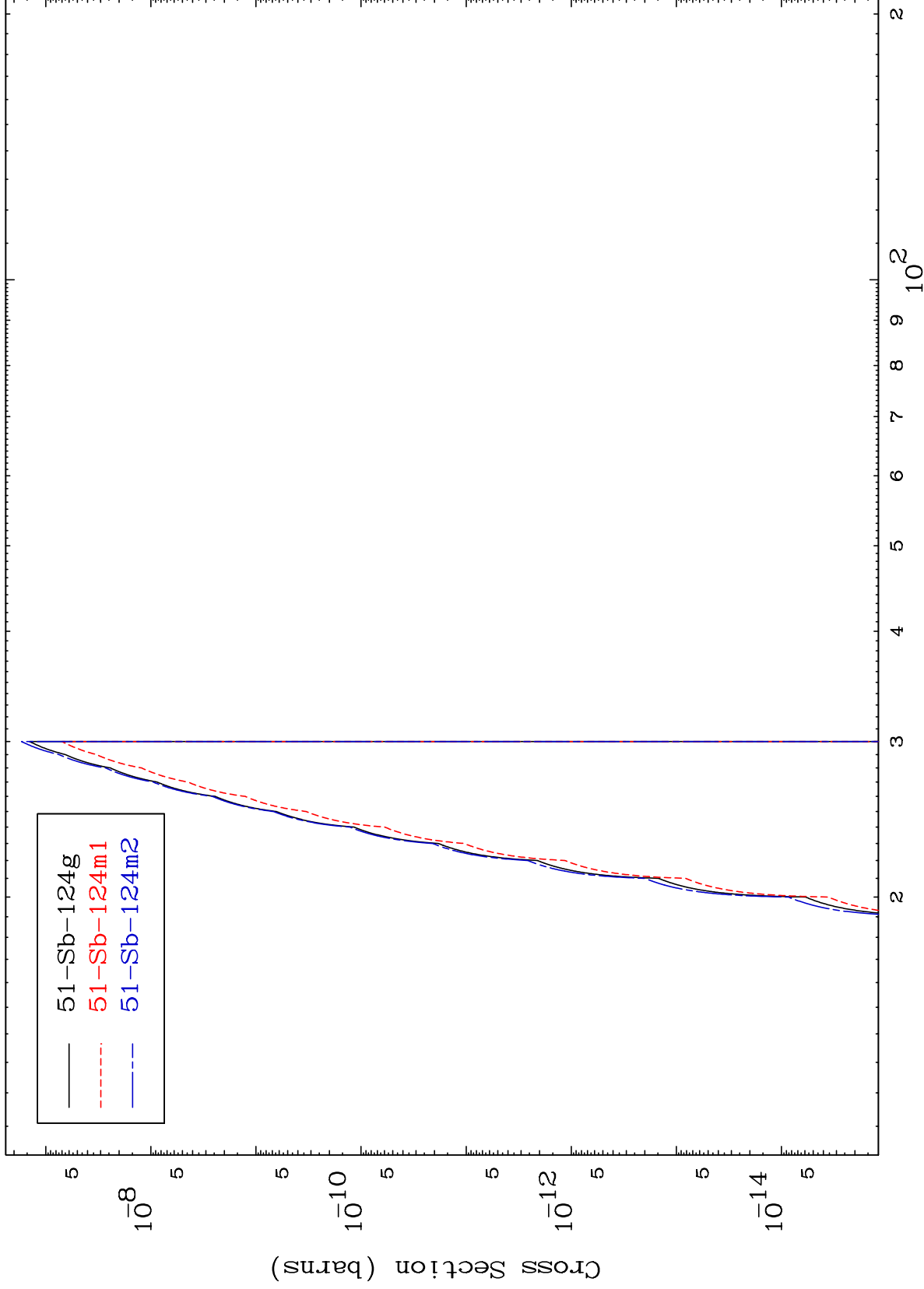


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Incident Energy (MeV)

54-Xe-129

Radionuclide Production Cross Section

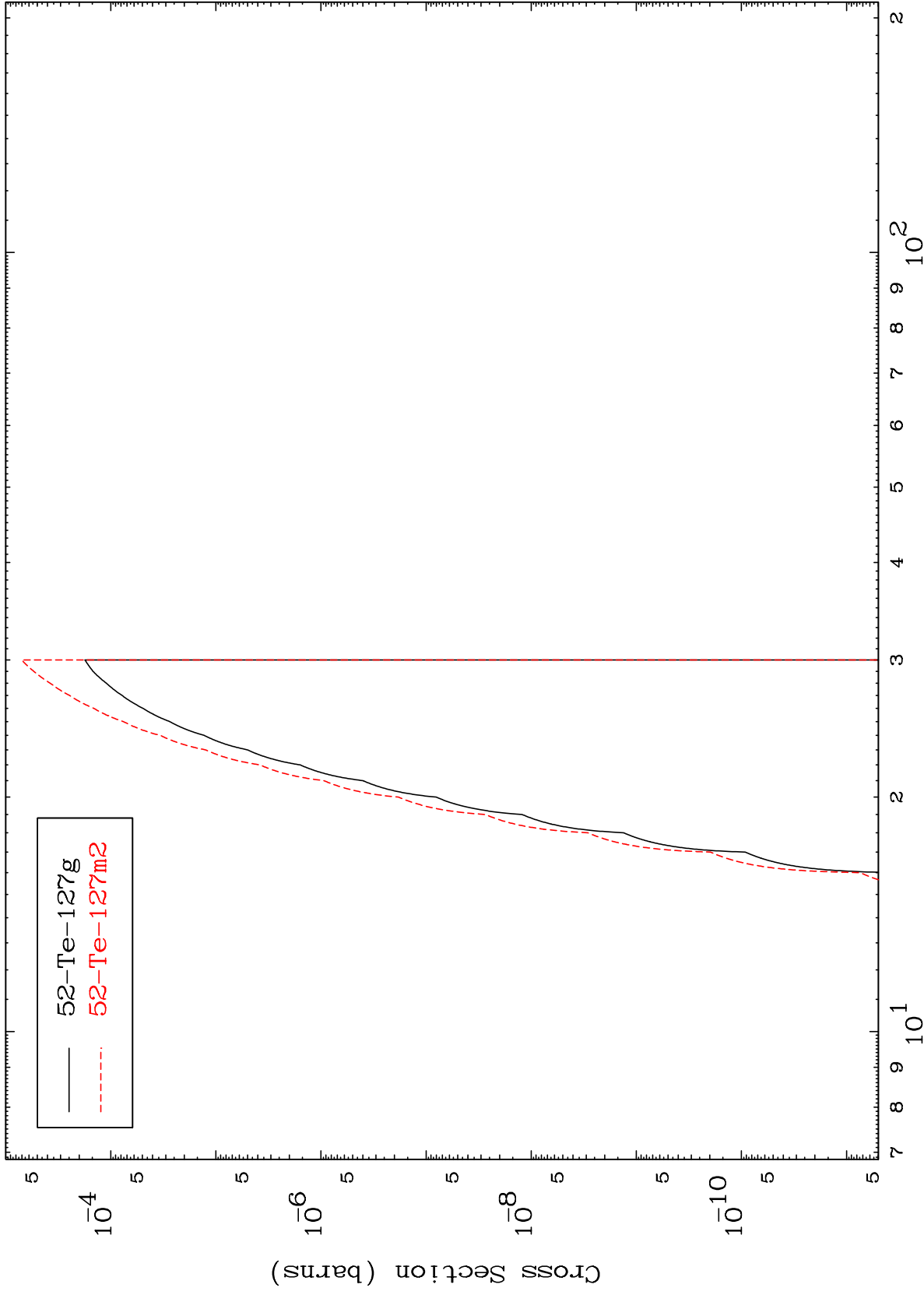


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(n,He-3)

54-Xe-129

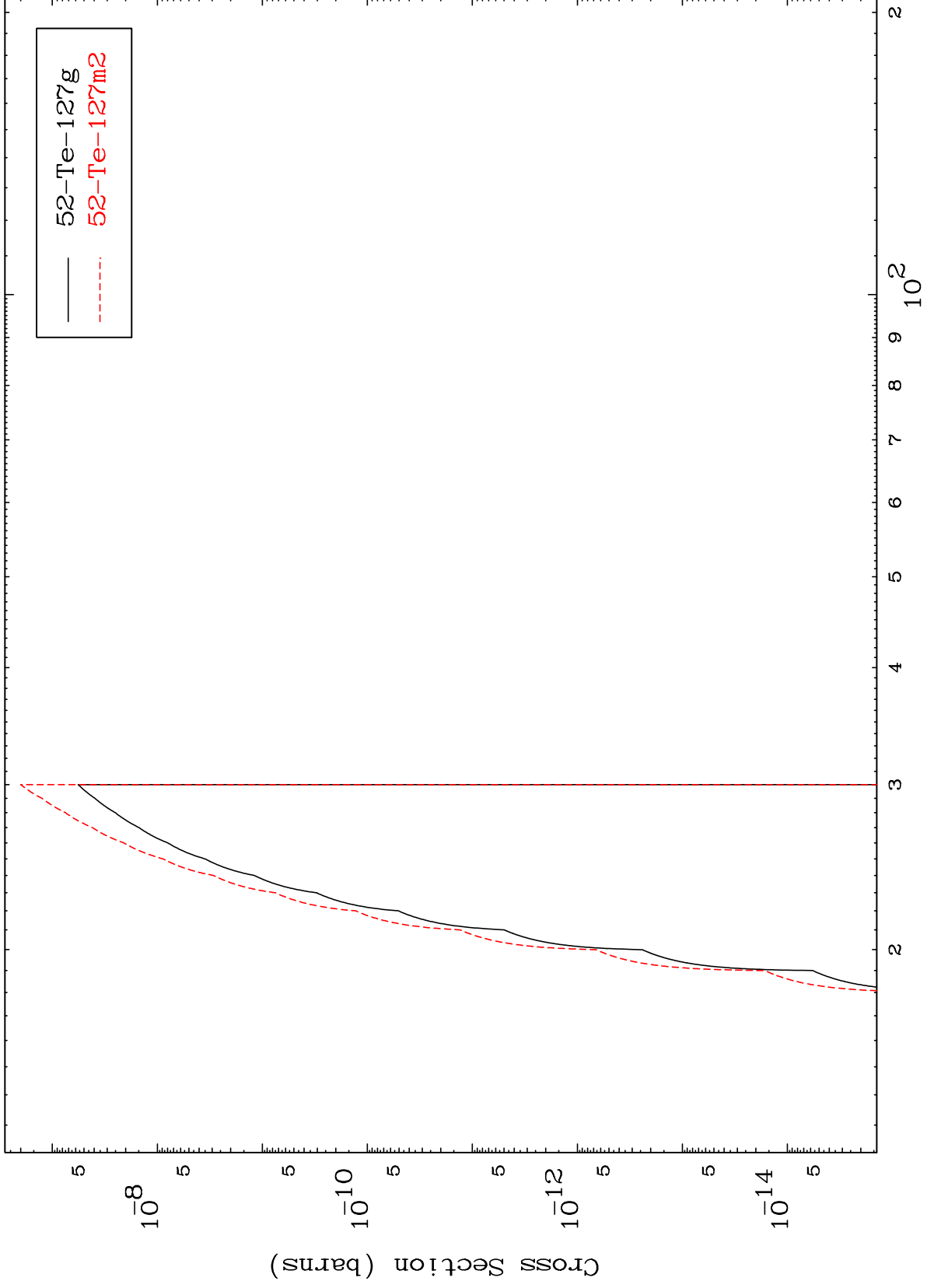
Radionuclide Production Cross Section



54-Xe-129

26

Radionuclide Production Cross Section

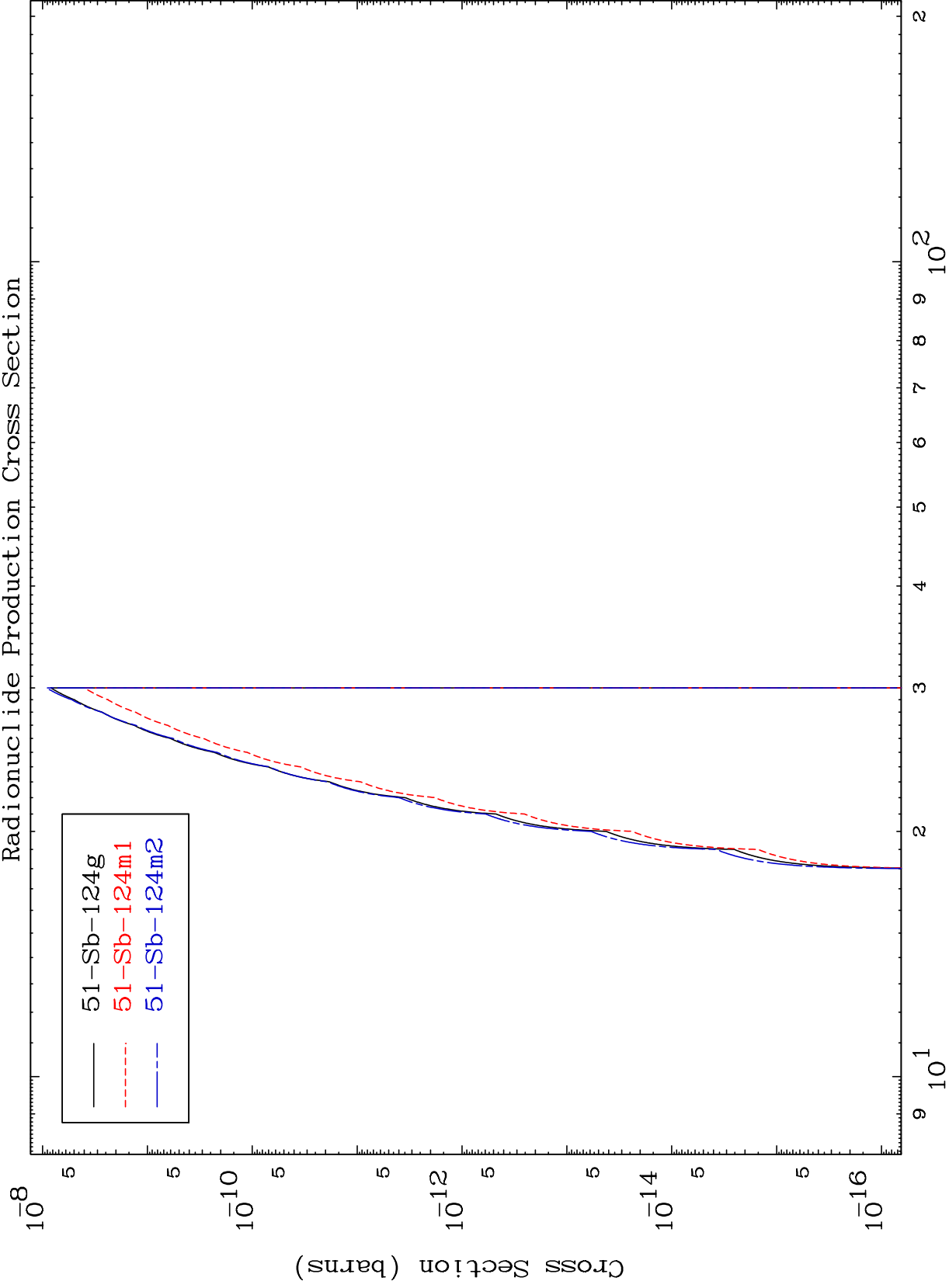


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(n,d) α

54-Xe-129

Radionuclide Production Cross Section



28

Incident Energy (MeV)

54-Xe-129