

Program EVALPLOT
(Version 2018-1)

by

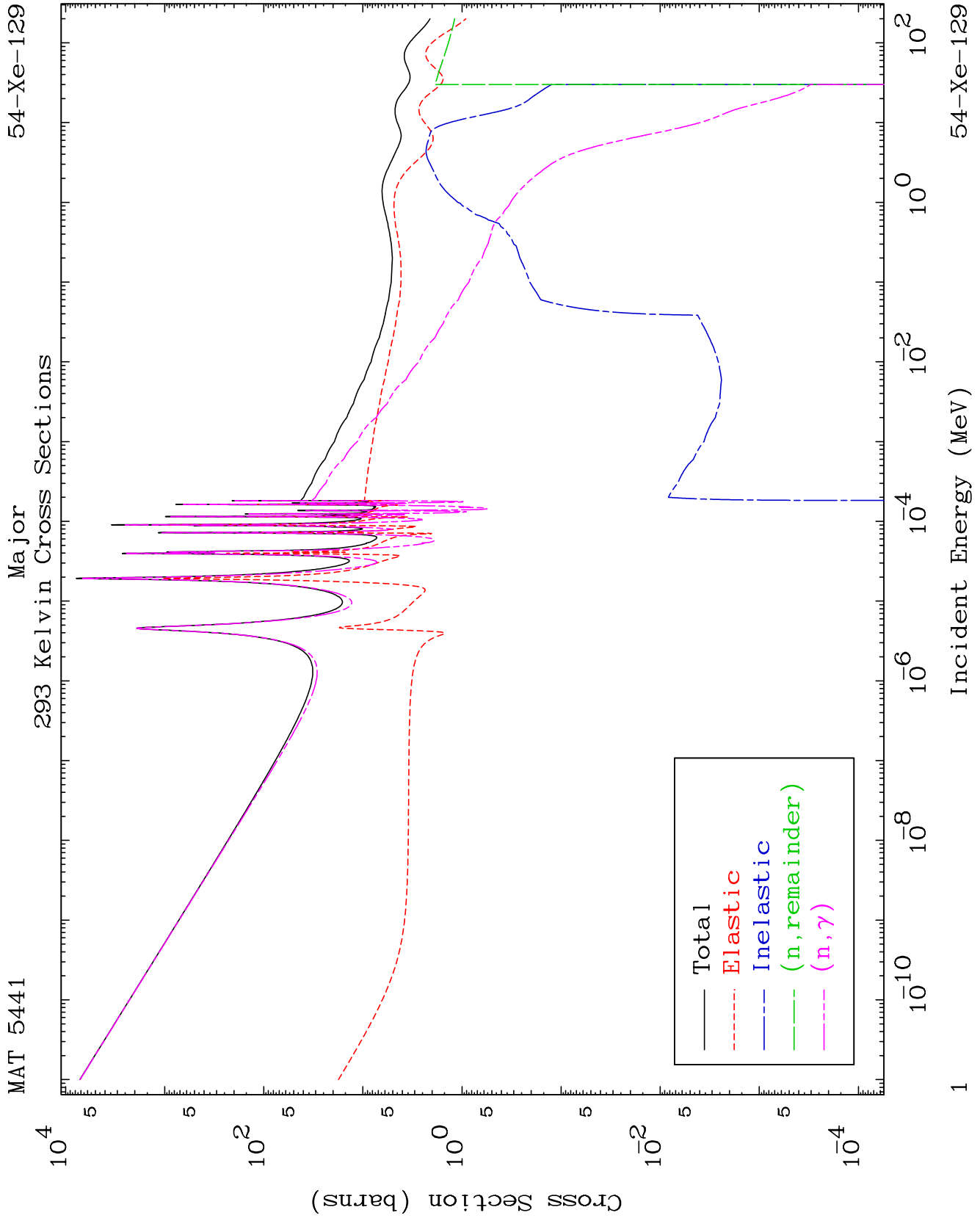
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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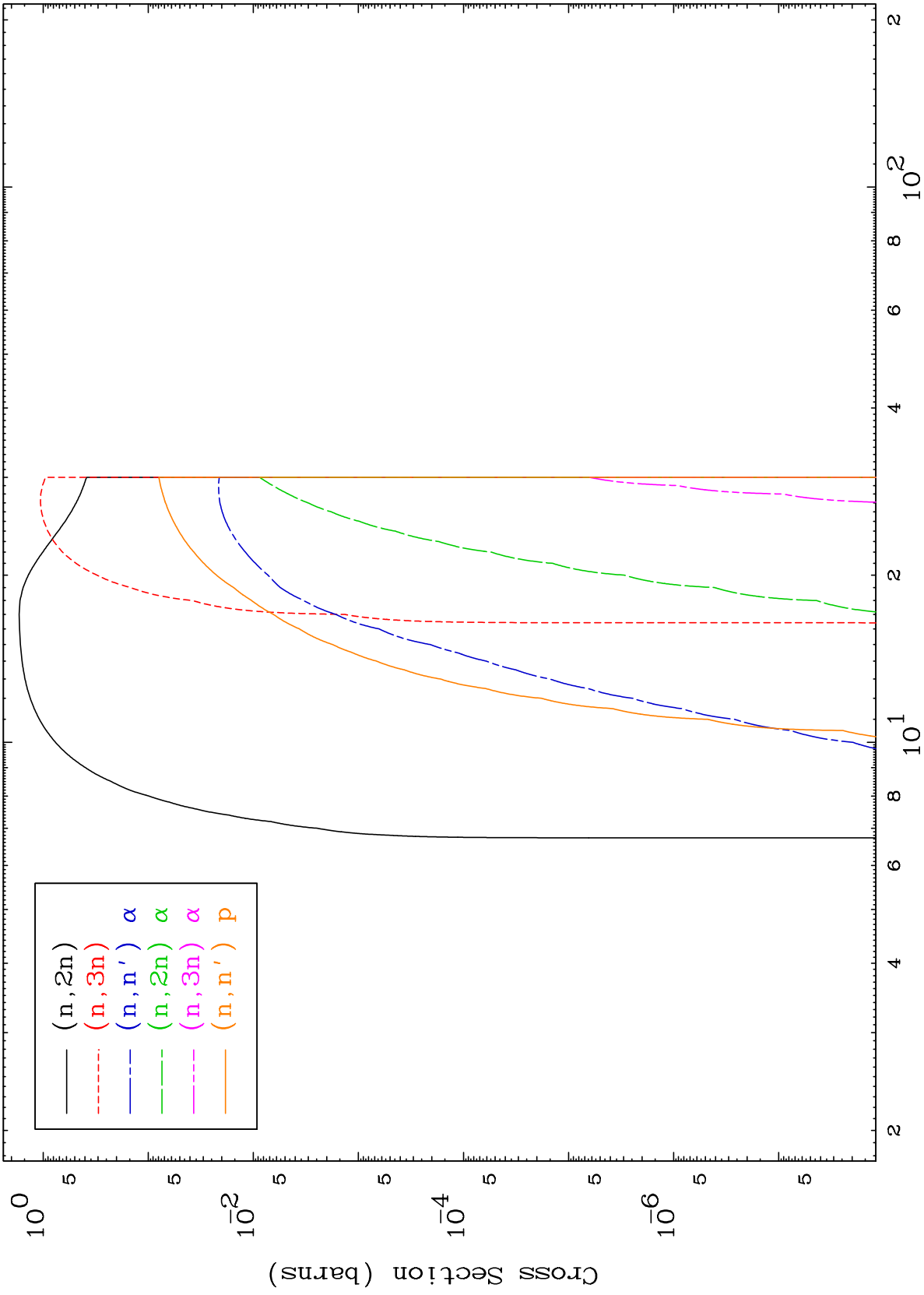
Press Mouse Button to Start



MAT 5441

Neutron Production
293 Kelvin Cross Sections

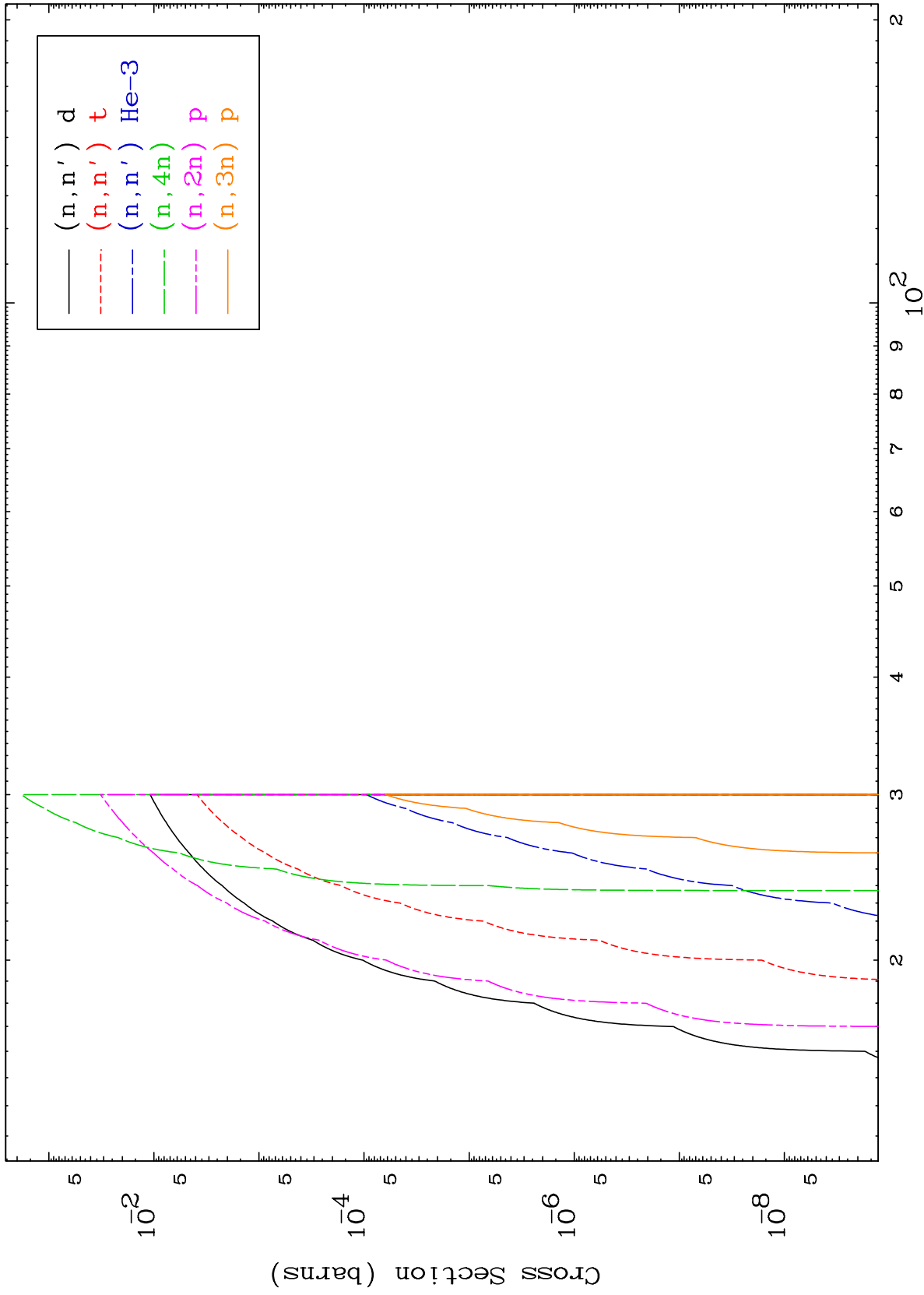
54-Xe-129

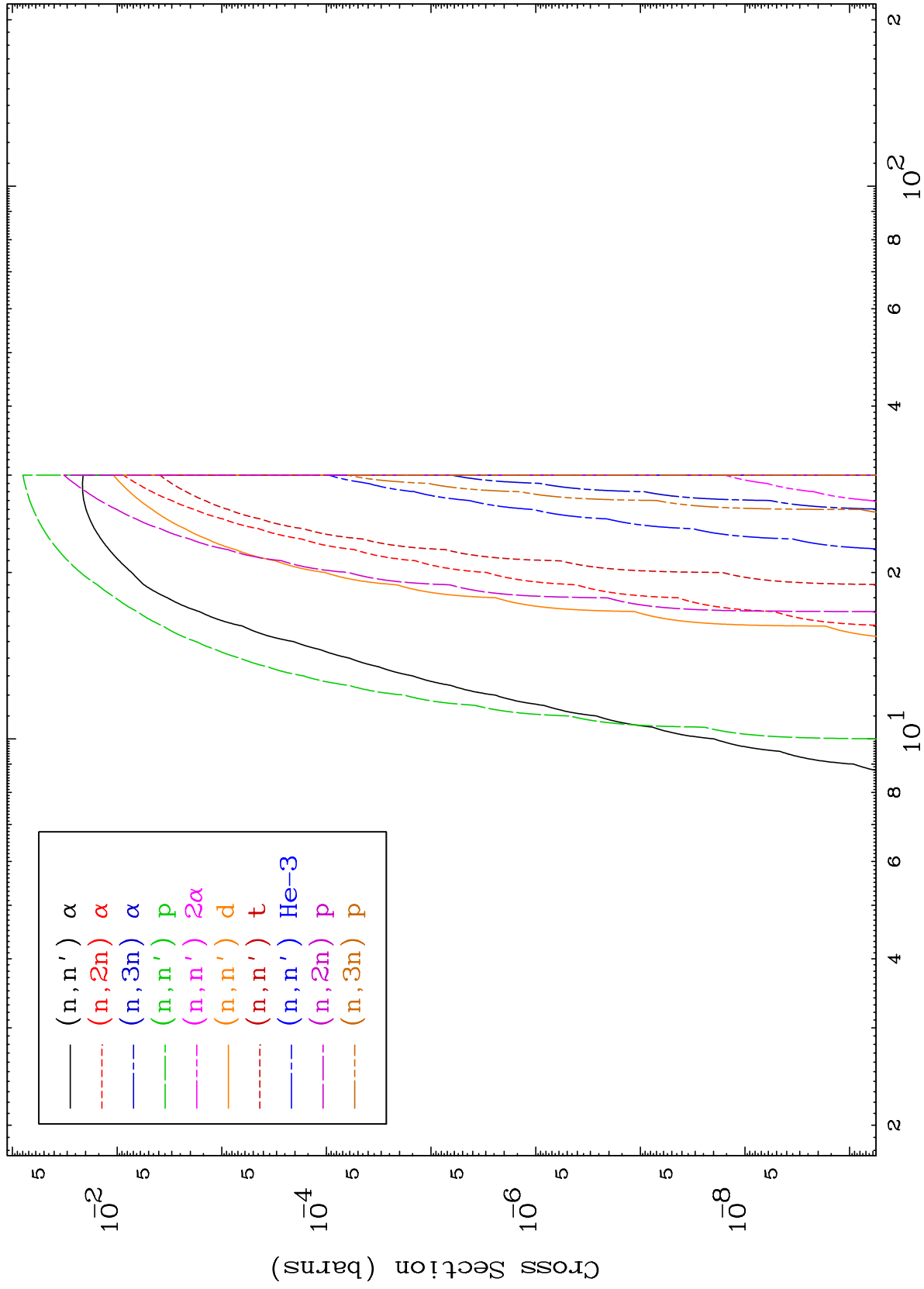


2

Incident Energy (MeV)

54-Xe-129

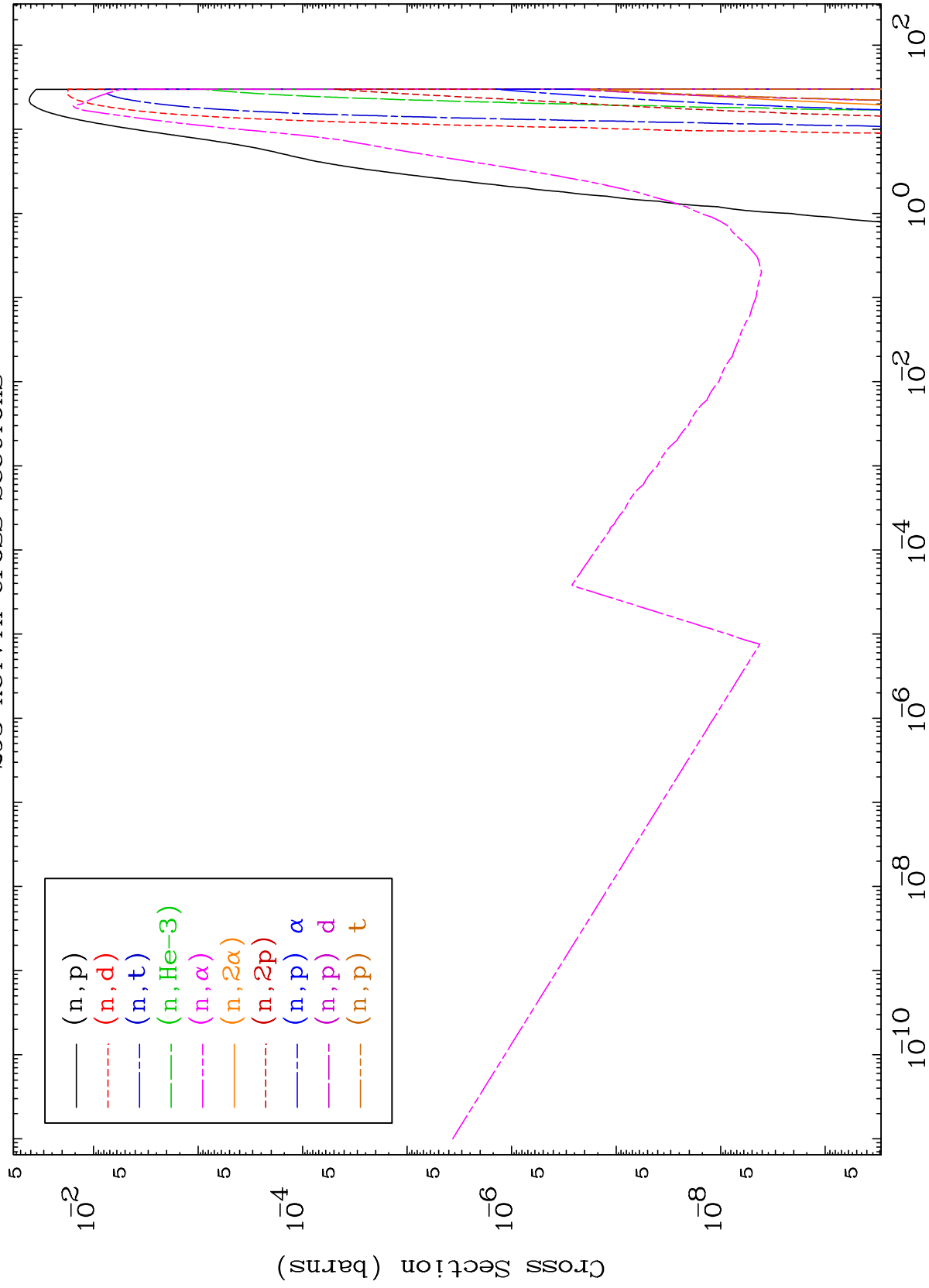




MAT 5441

293 Kelvin Cross Sections

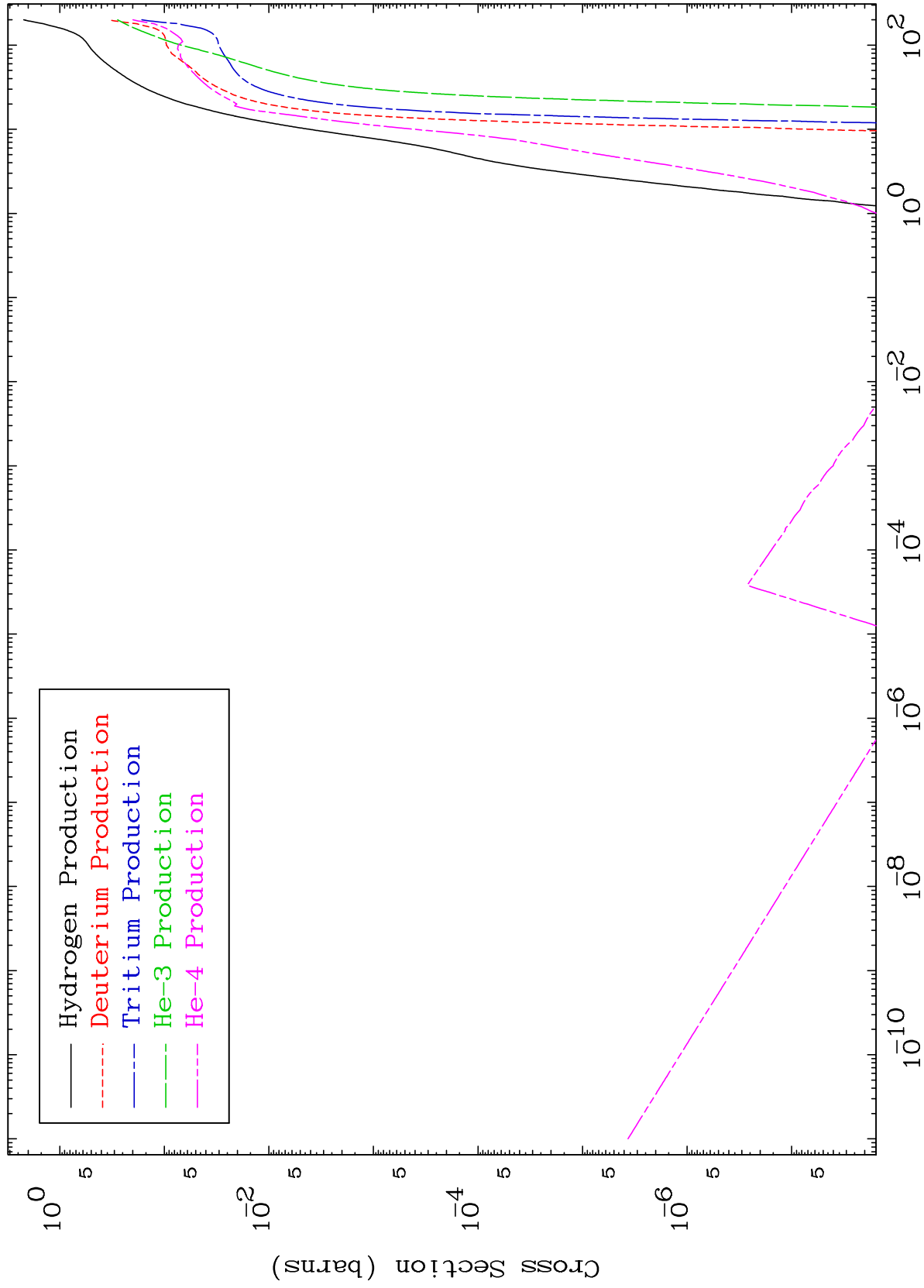
54-Xe-129



5

Incident Energy (MeV)

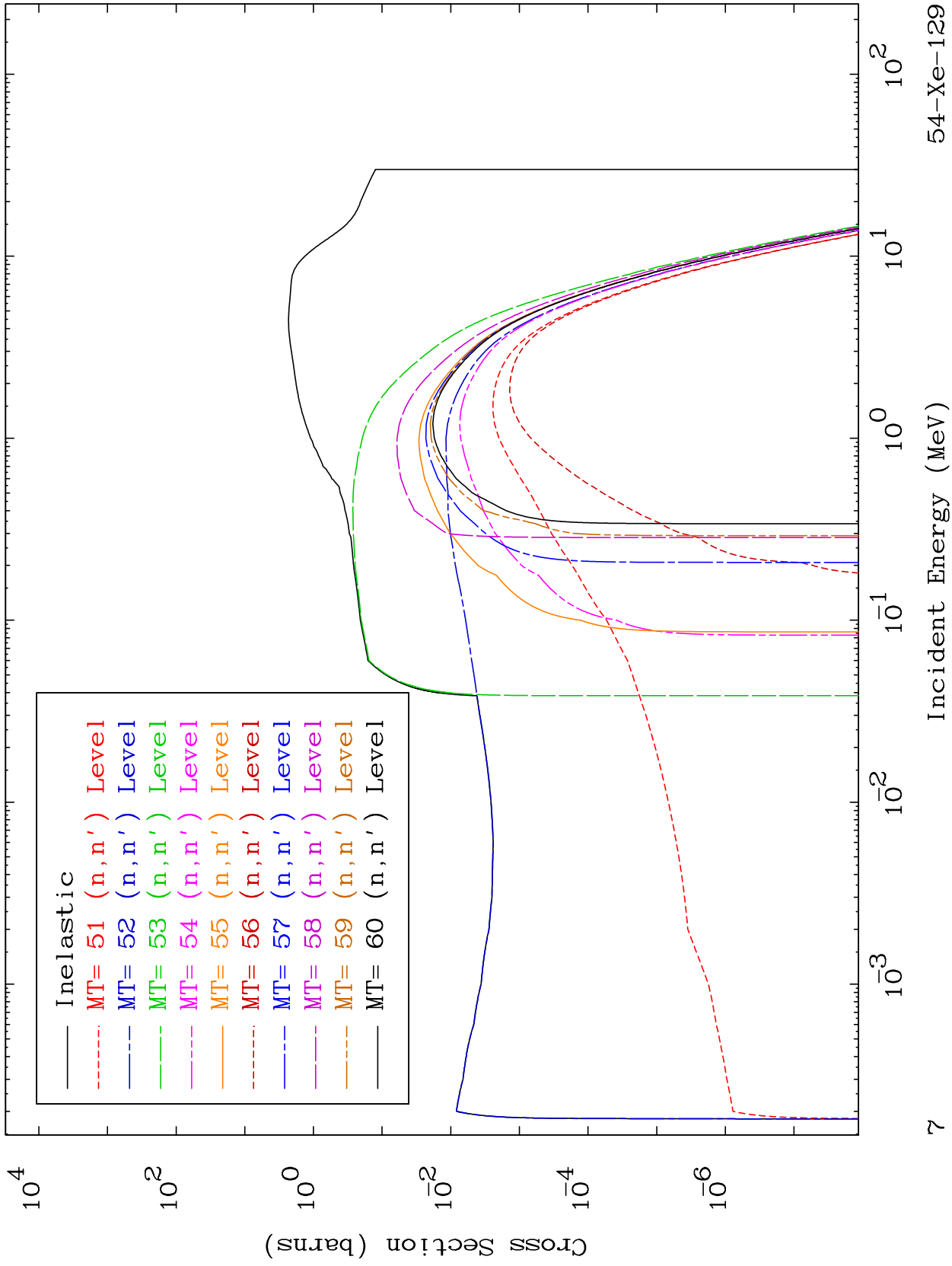
54-Xe-129



MAT 5441

(n,n') Level
293 Kelvin Cross Sections

54-Xe-129

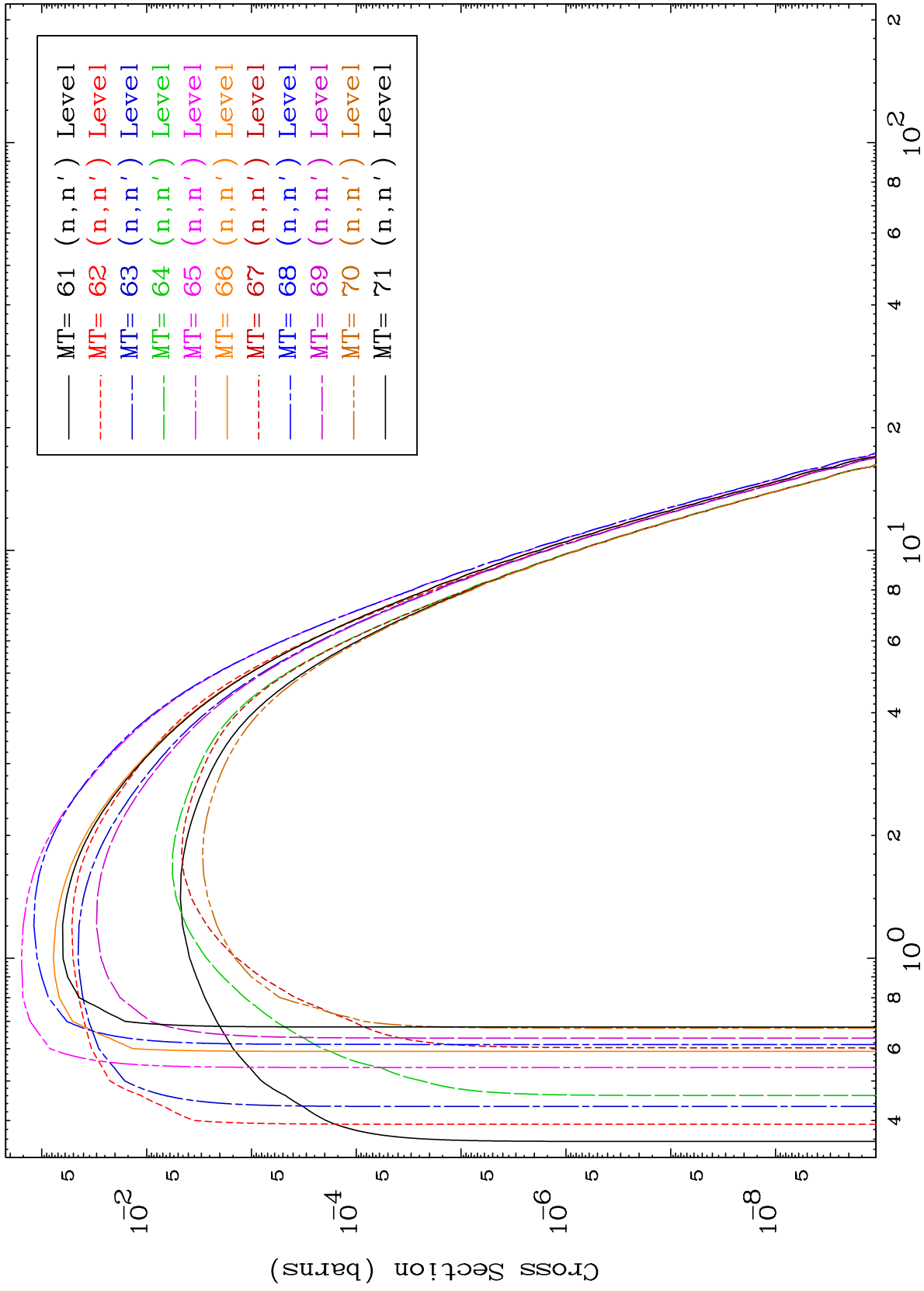


MAT 5441

(n,n') Level

54-Xe-129

293 Kelvin Cross Sections



8

Incident Energy (MeV)

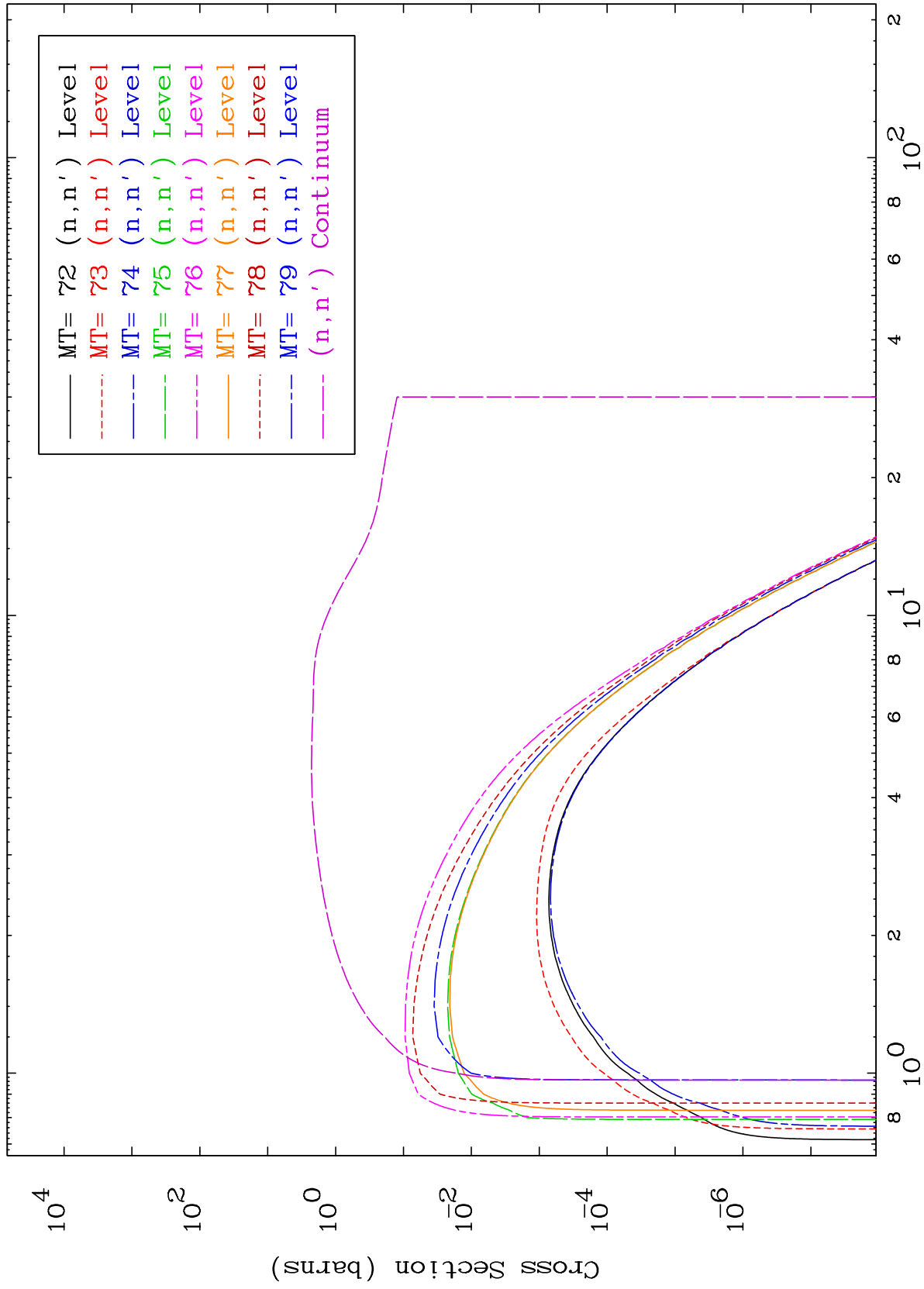
54-Xe-129

MAT 5441

(n,n') Level

54-Xe-129

293 Kelvin Cross Sections



9

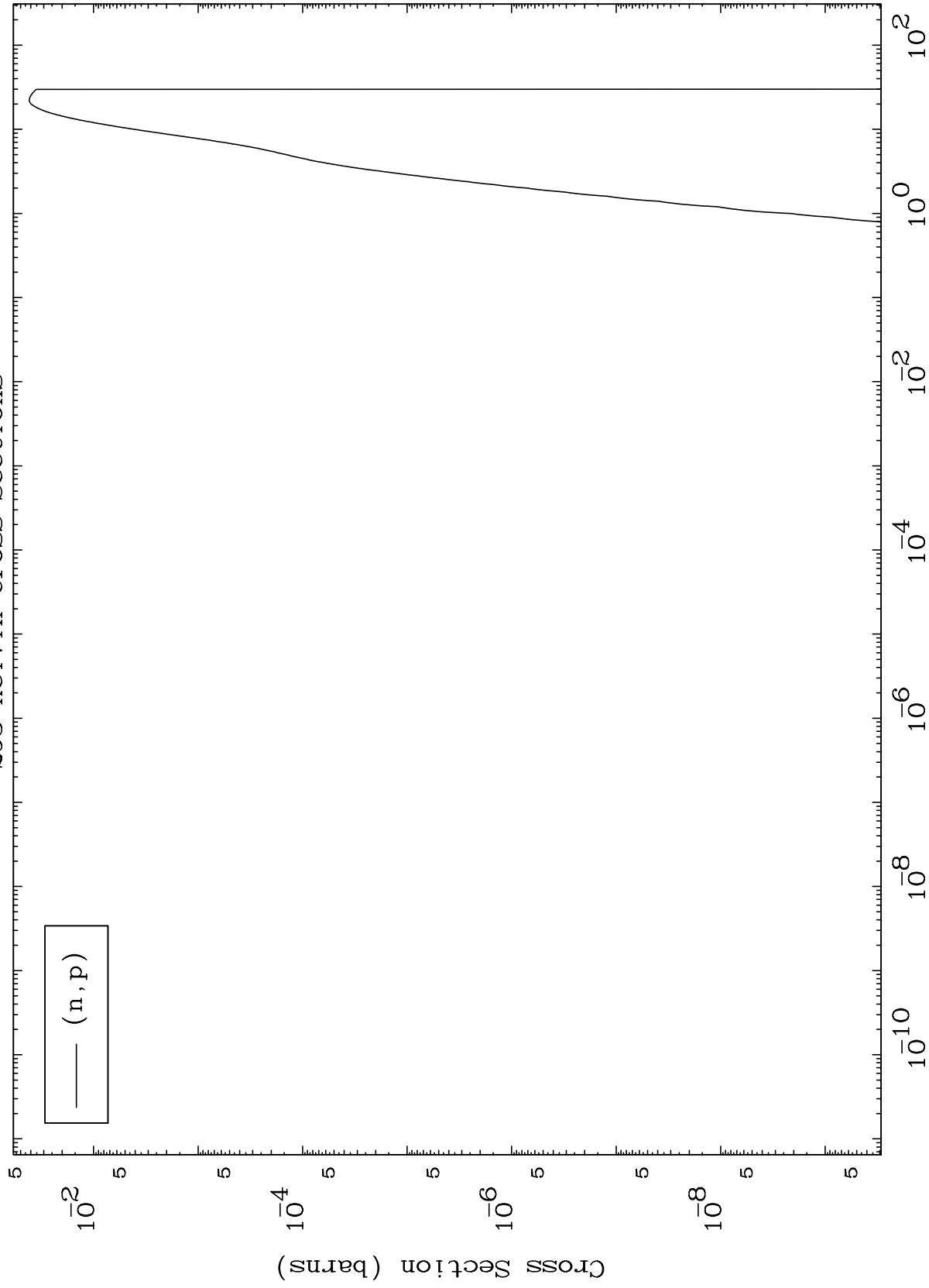
Incident Energy (MeV)

54-Xe-129

MAT 5441

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-129



10

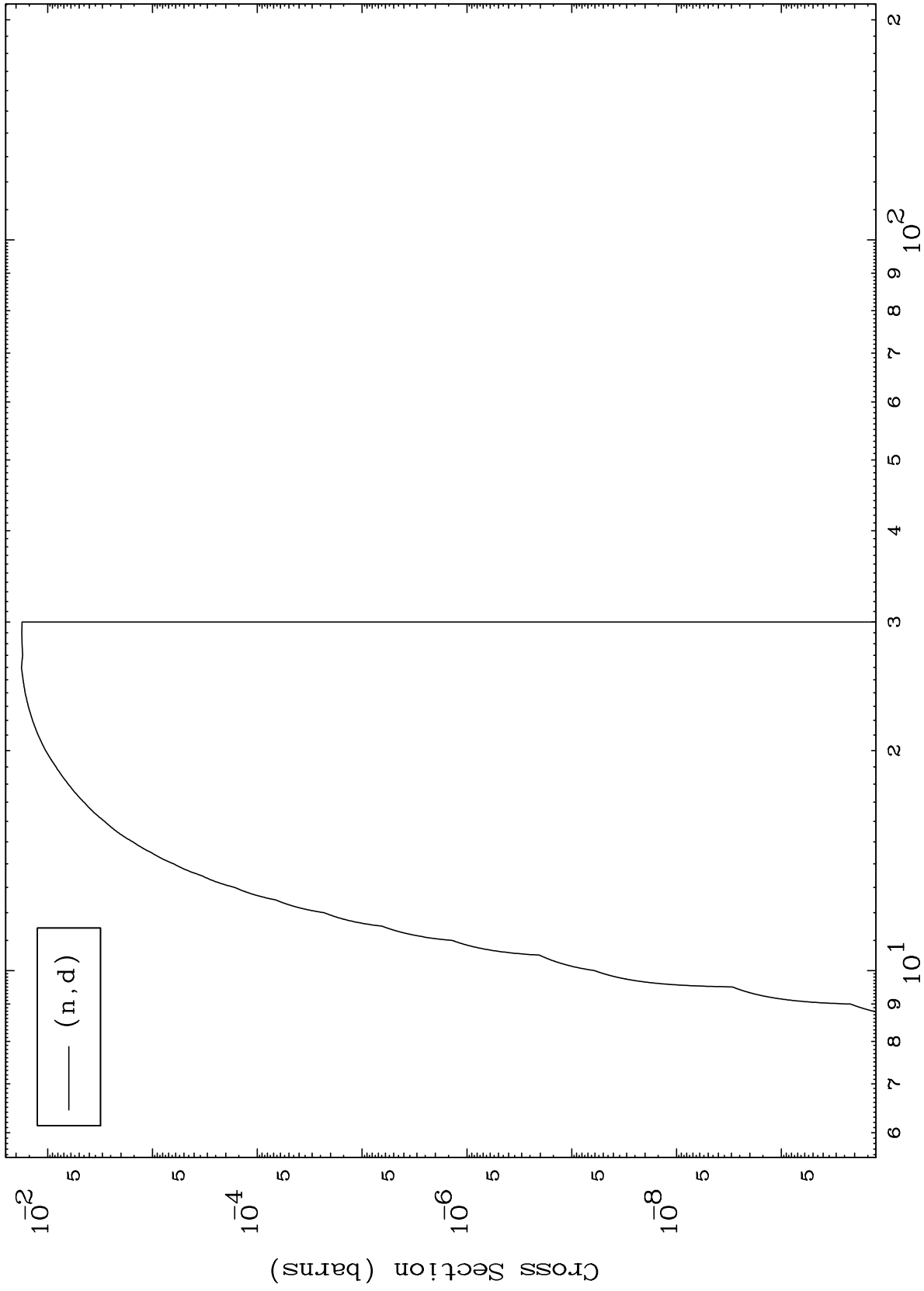
Incident Energy (MeV)

54-Xe-129

MAT 5441

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-129



11

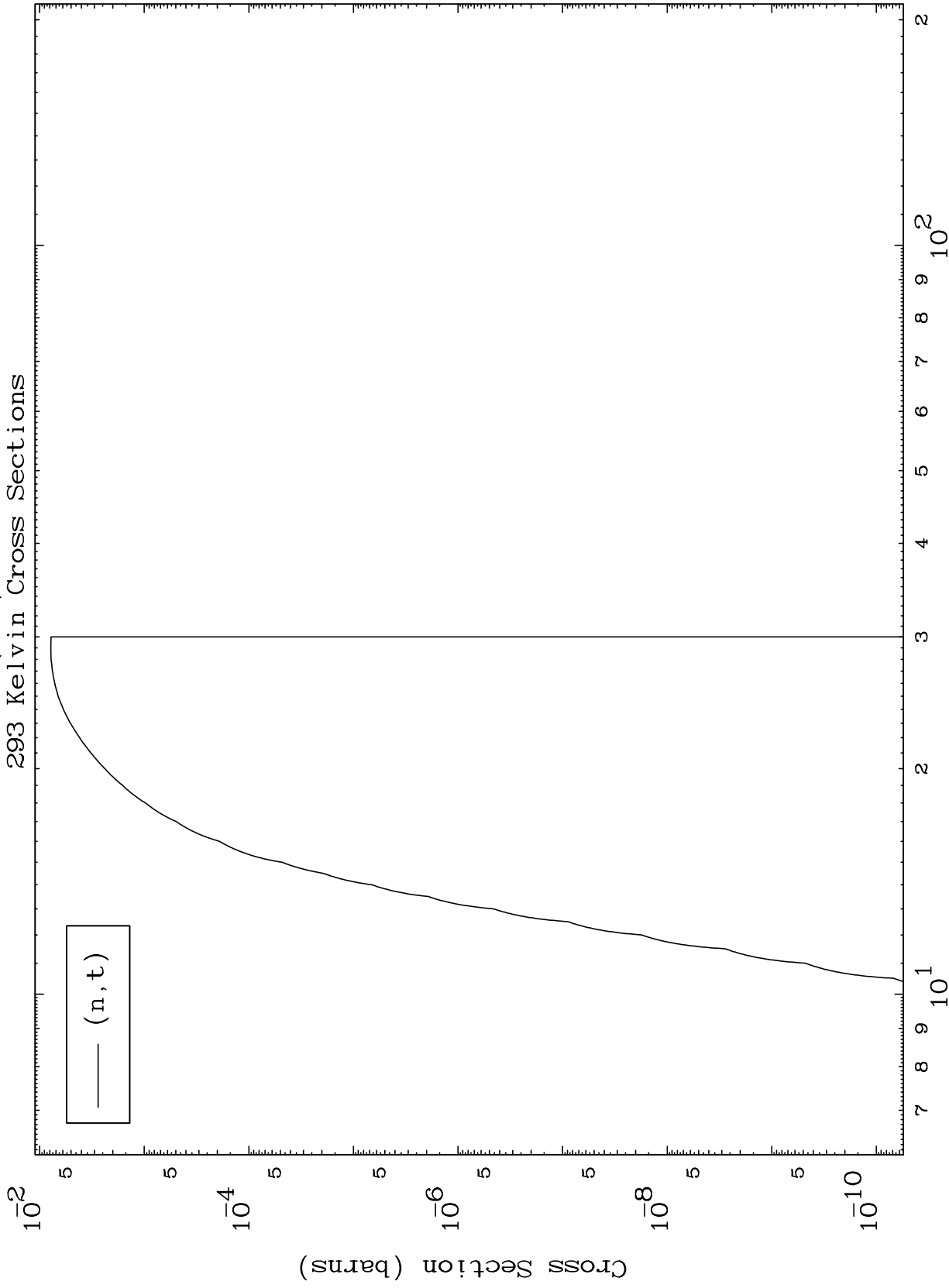
Incident Energy (MeV)

54-Xe-129

MAT 5441

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-129



12

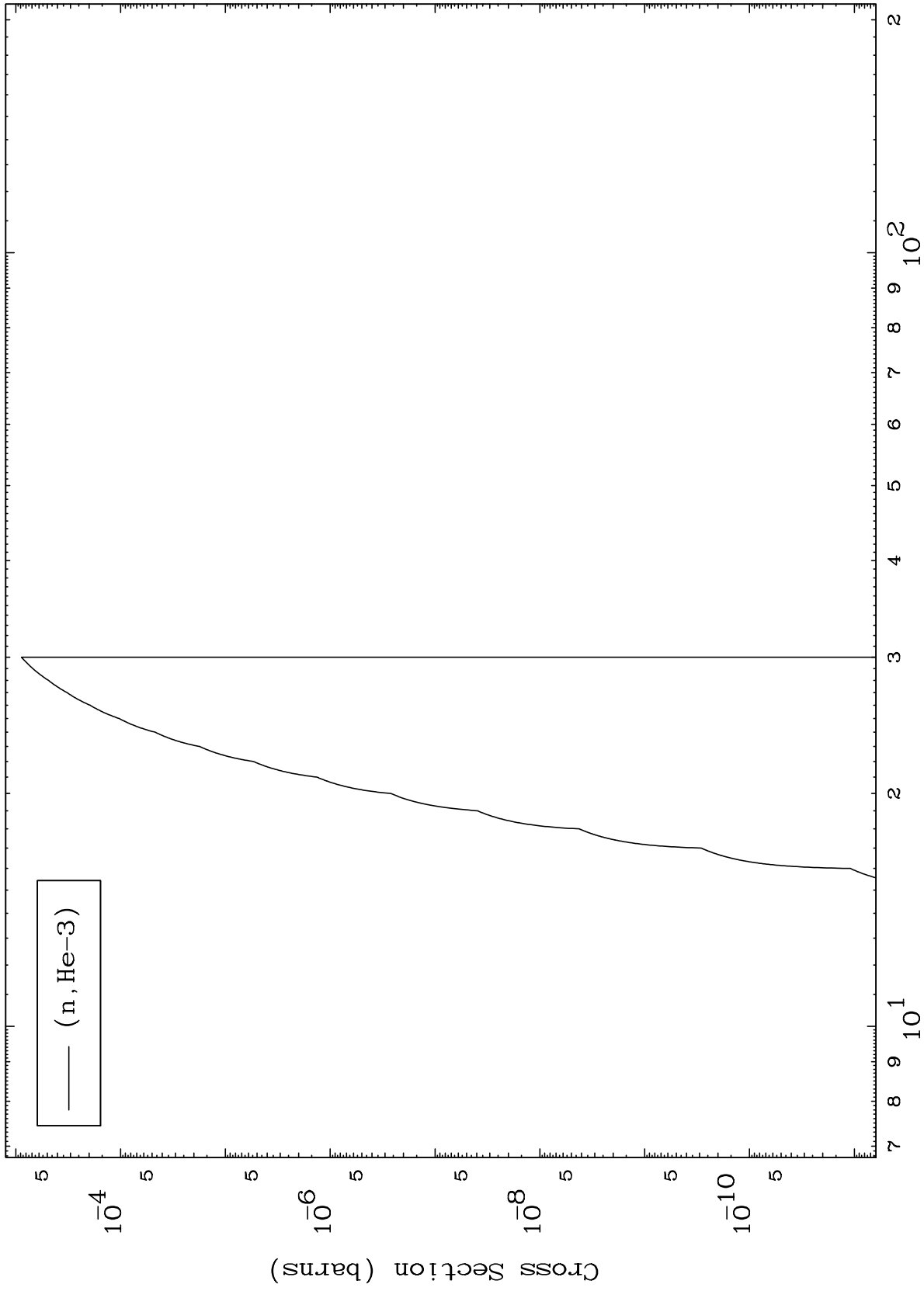
Incident Energy (MeV)

54-Xe-129

MAT 5441

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-129



13

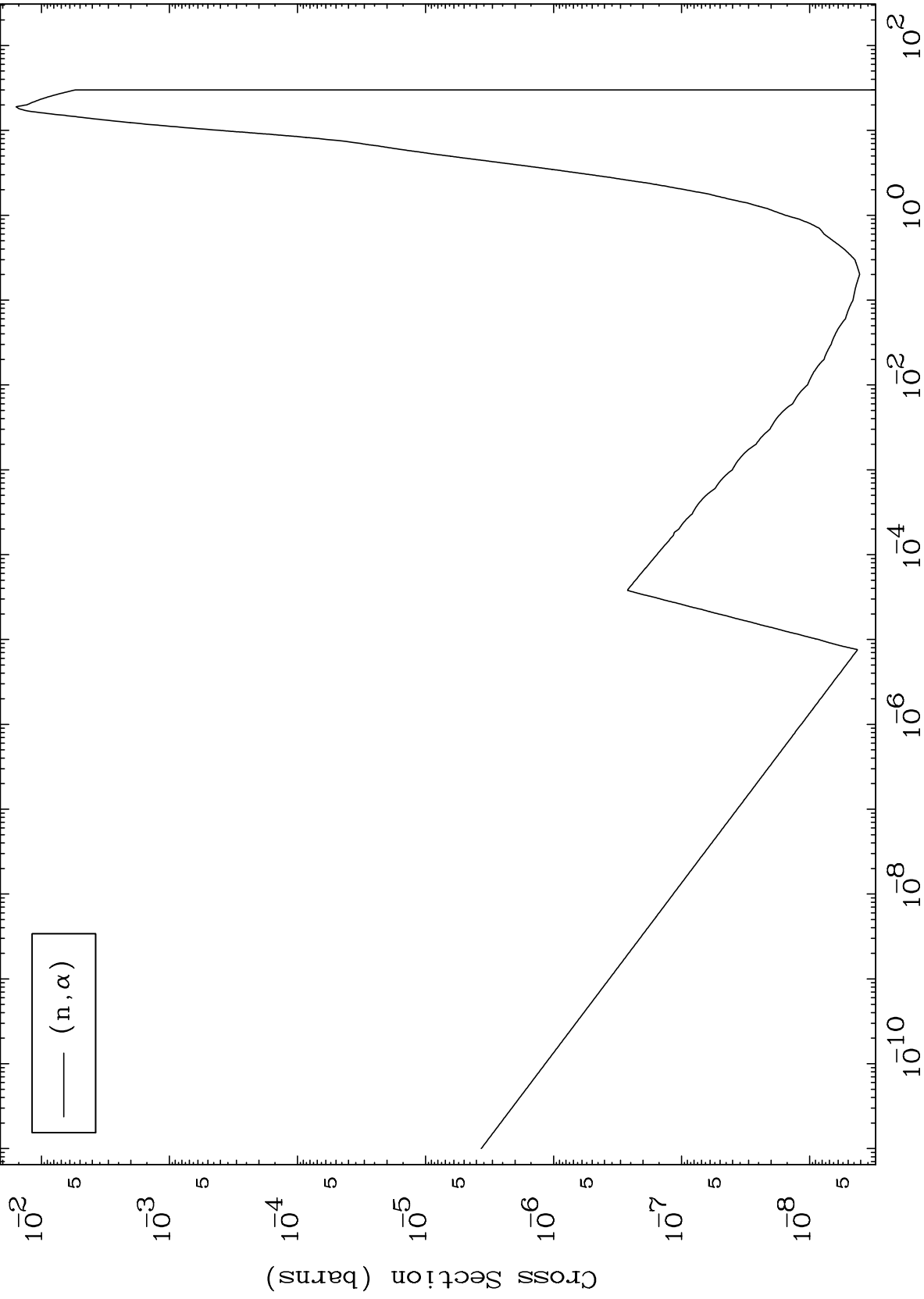
Incident Energy (MeV)

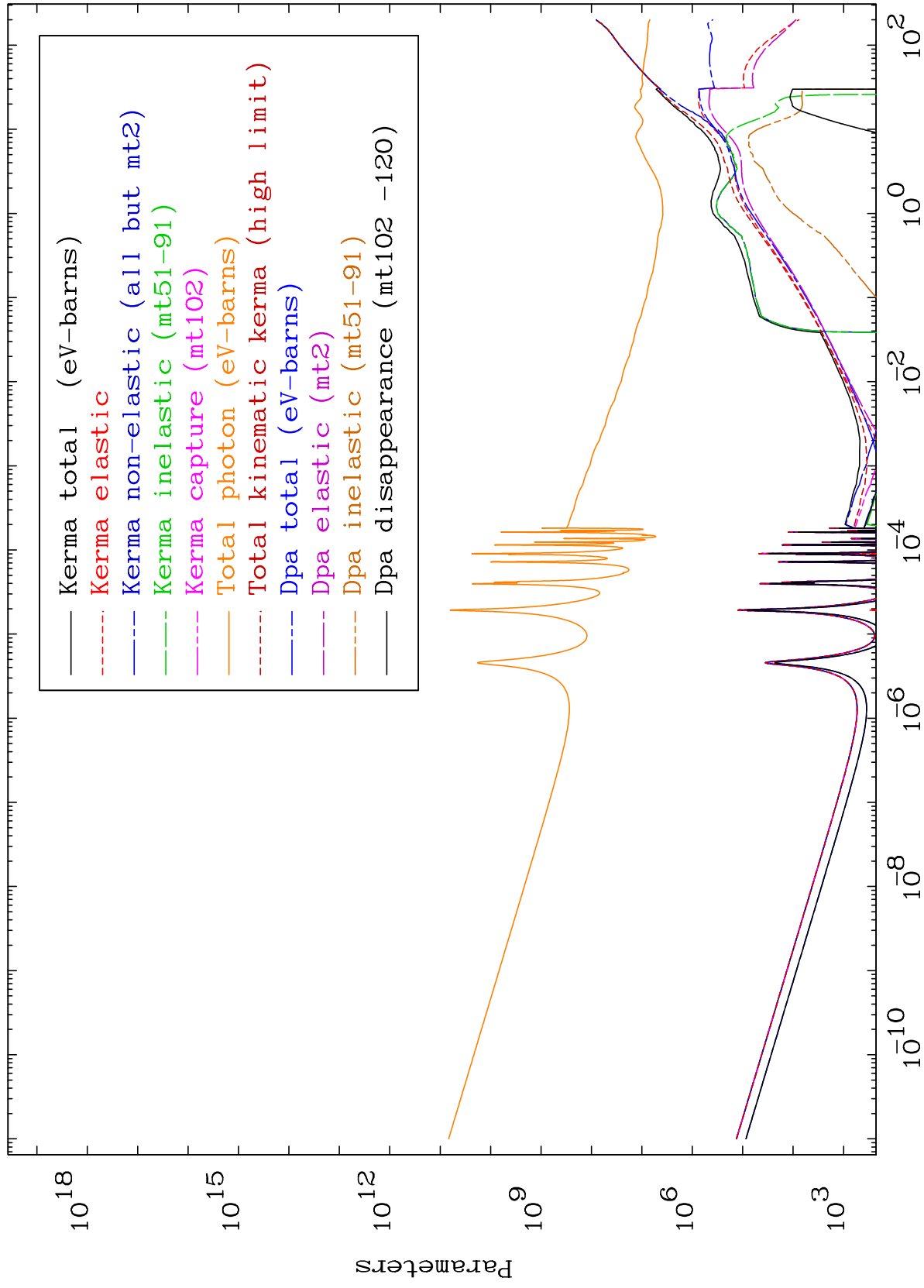
54-Xe-129

MAT 5441

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-129





MAT 5441

Elastic Legendre Coefficients

54-Xe-129



54-Xe-129

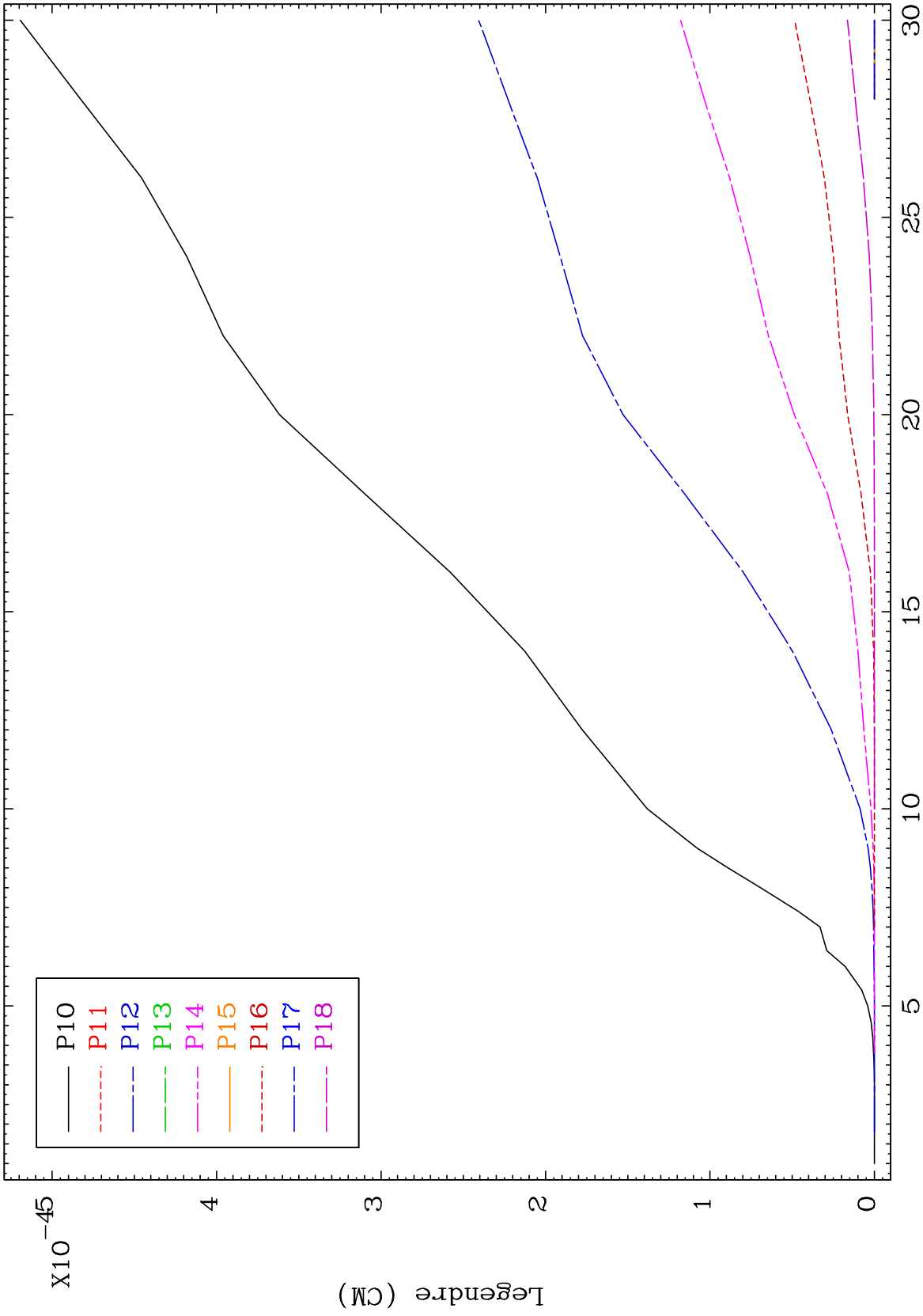
Incident Energy (MeV)

16

MAT 5441

Elastic Legendre Coefficients

54-Xe-129



17

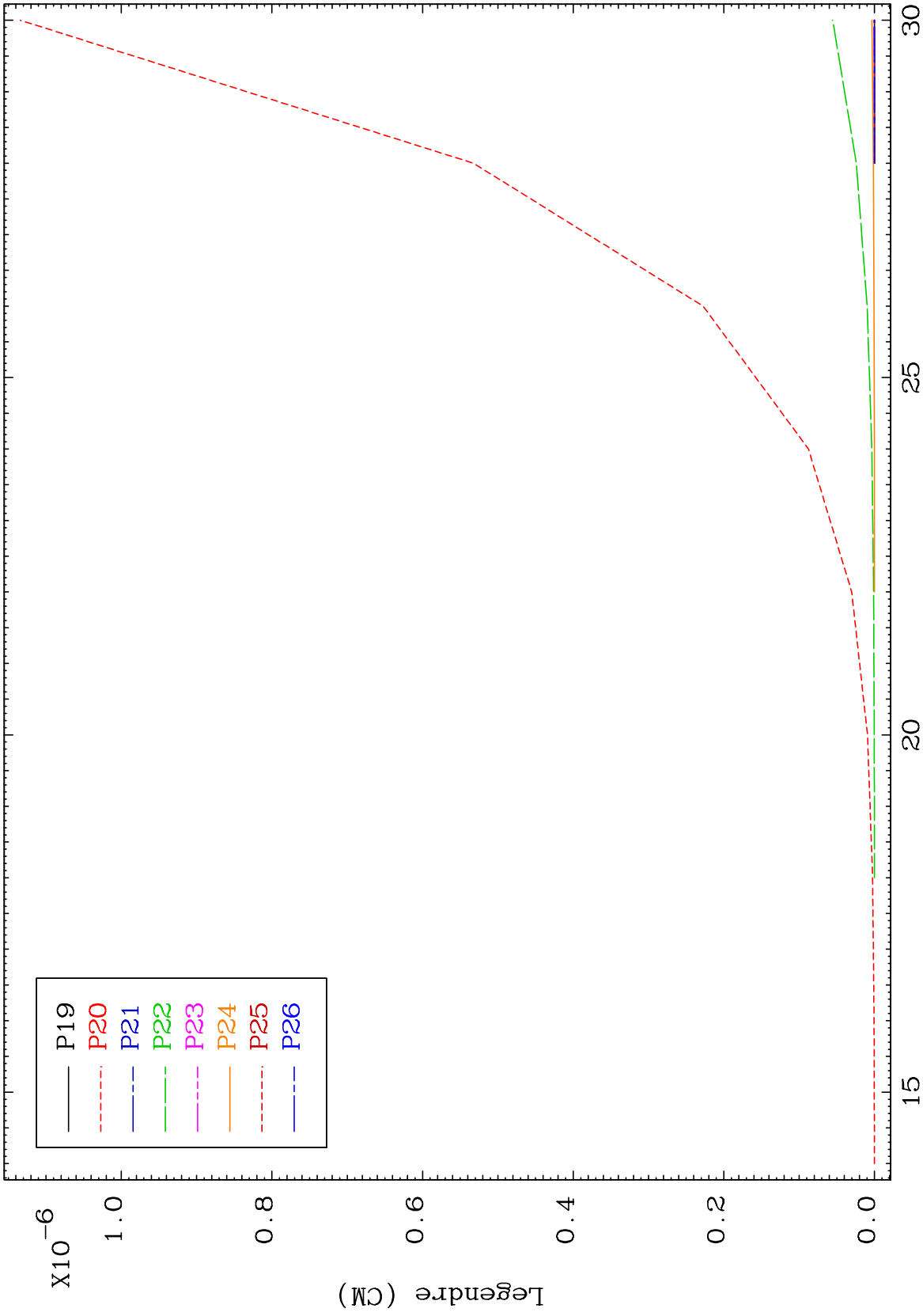
Incident Energy (MeV)

54-Xe-129

MAT 5441

Elastic Legendre Coefficients

54-Xe-129



18

Incident Energy (MeV)

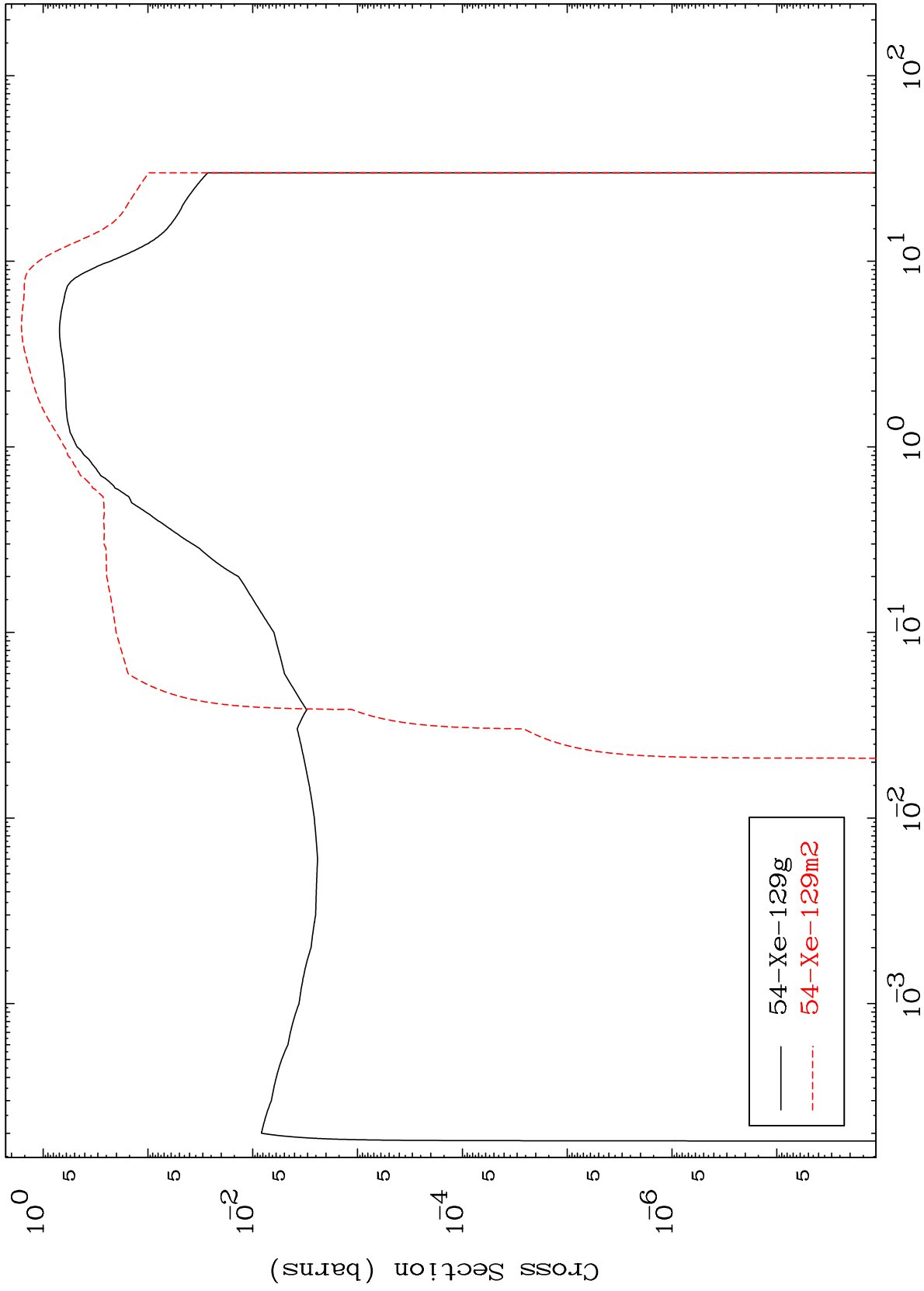
54-Xe-129

MAT 5441

Inelastic

Radionuclide Production Cross Section

54-Xe-129



19

Incident Energy (MeV)

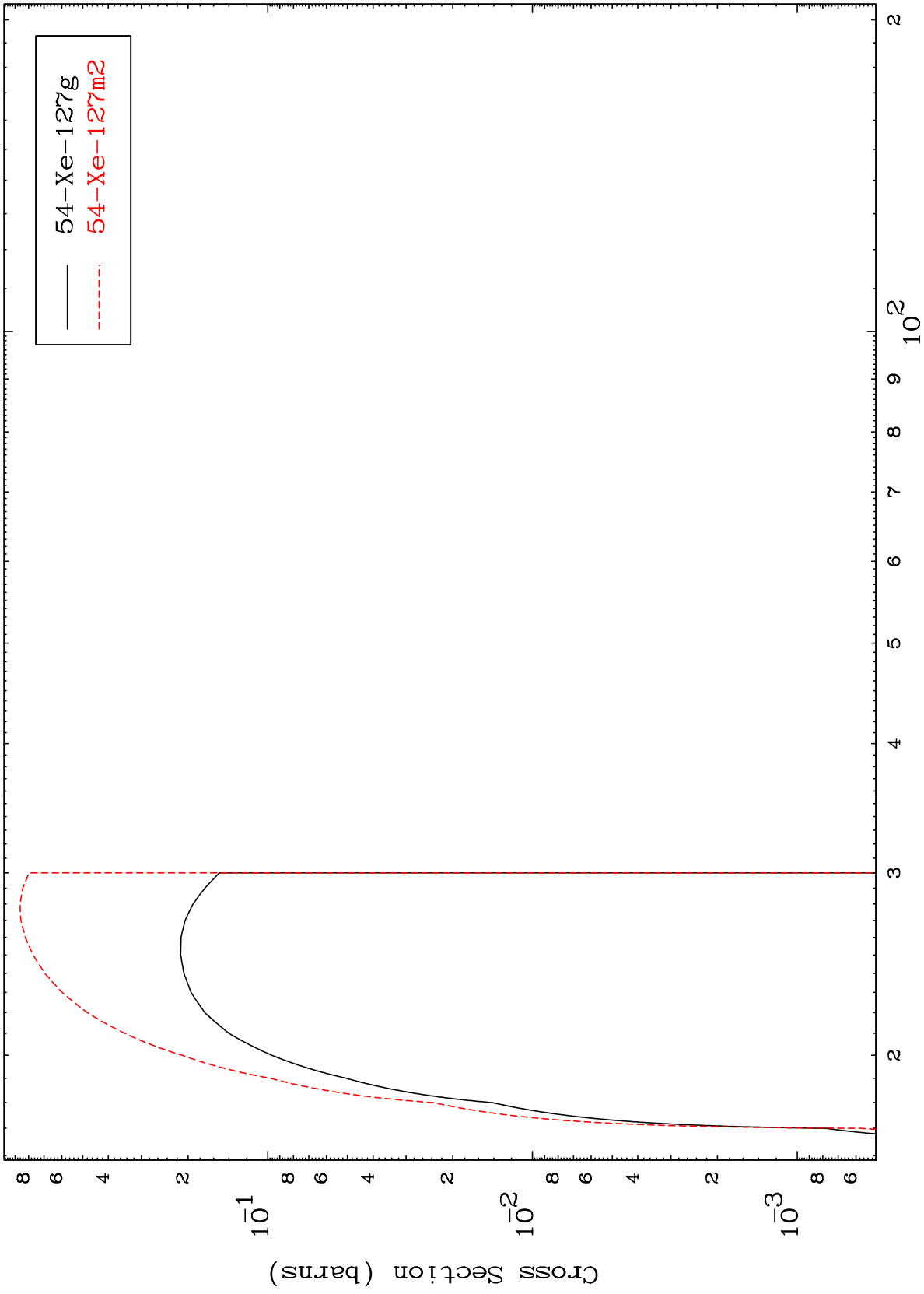
54-Xe-129

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(n,3n)

54-Xe-129

Radionuclide Production Cross Section



20

Incident Energy (MeV)

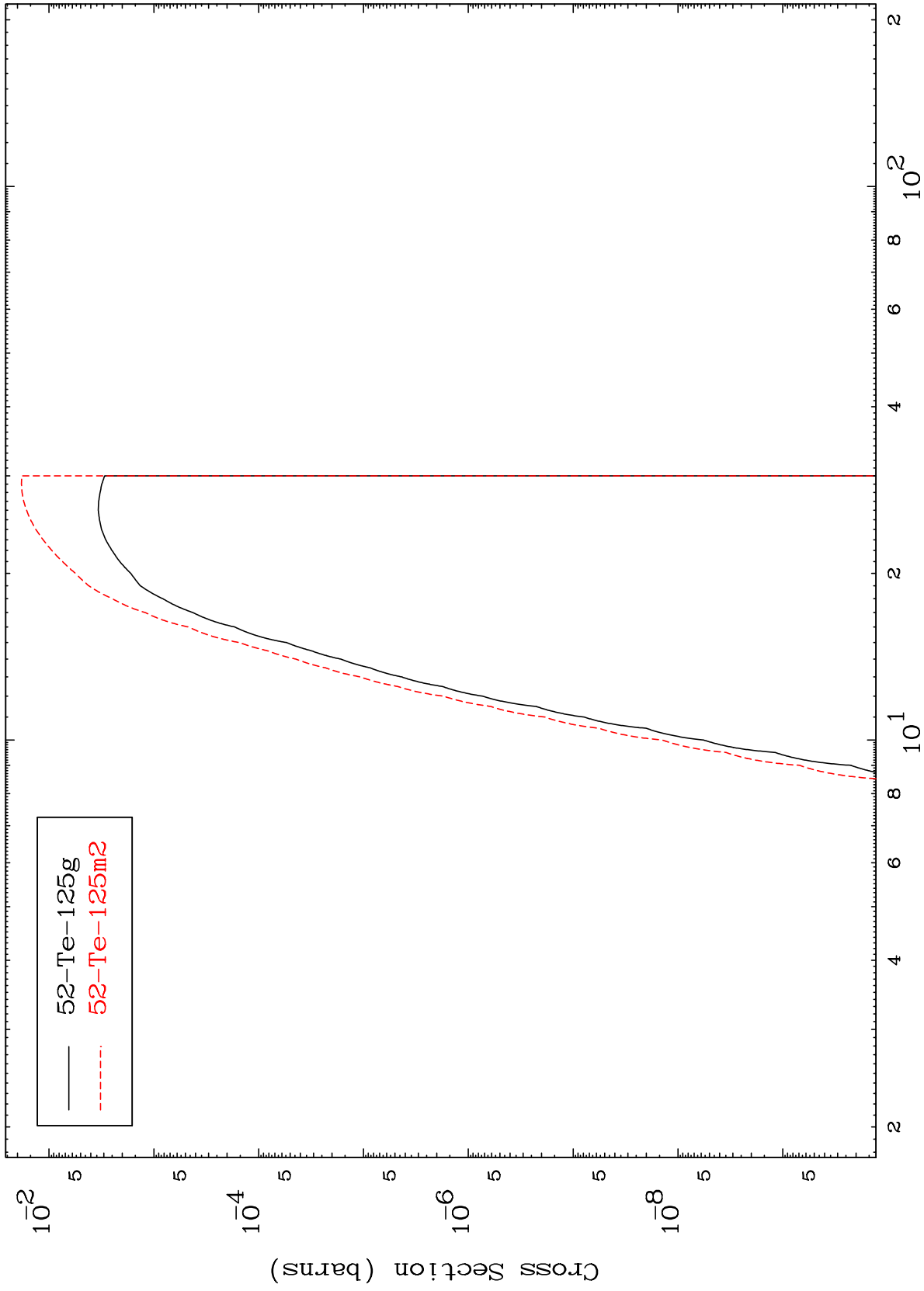
54-Xe-129

MAT 5441

(n,n') α

54-Xe-129

Radionuclide Production Cross Section



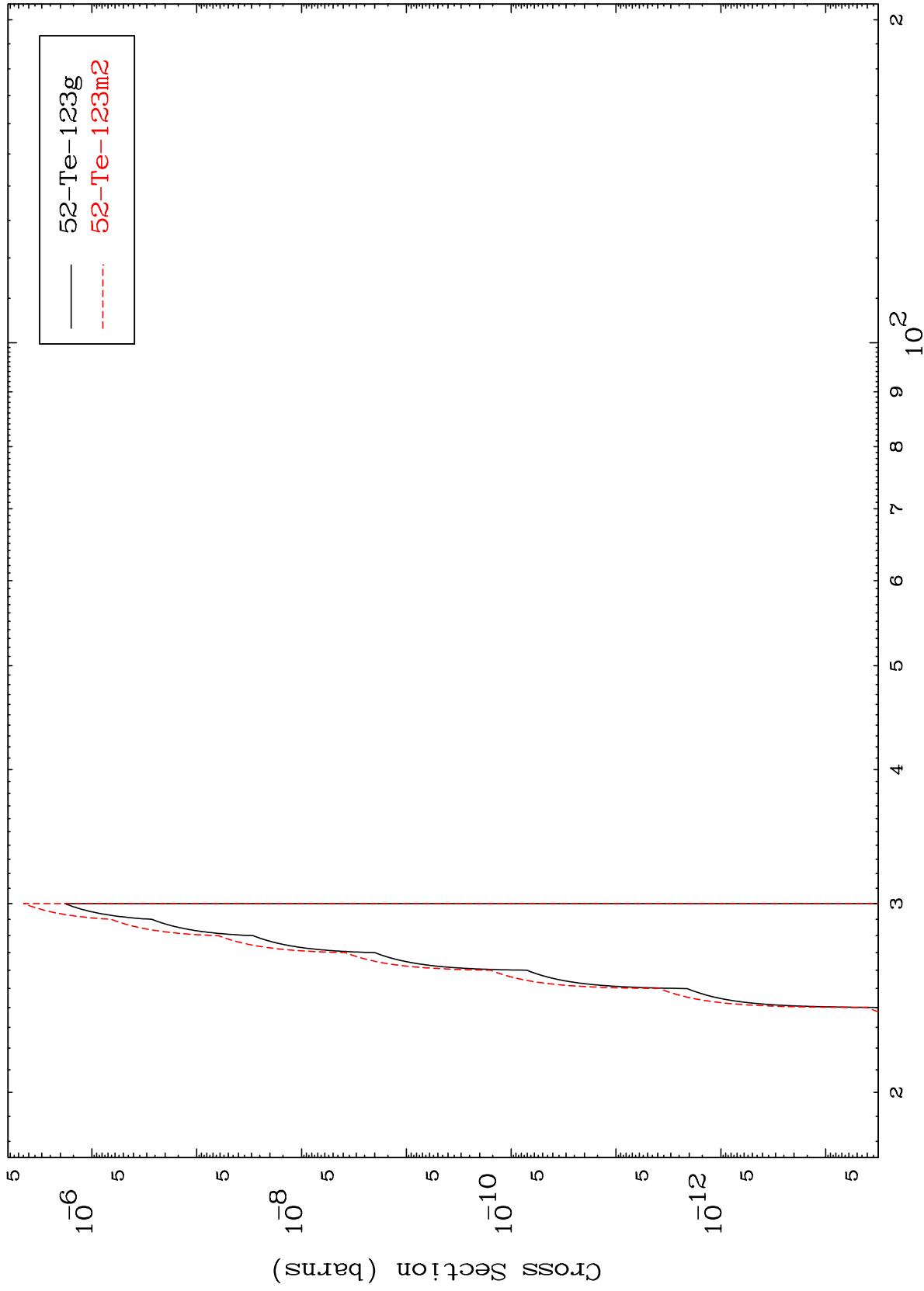
— 52-Te-125g
- - - 52-Te-125m2

MAT 5441

(n,3n) α

54-Xe-129

Radionuclide Production Cross Section



22

Incident Energy (MeV)

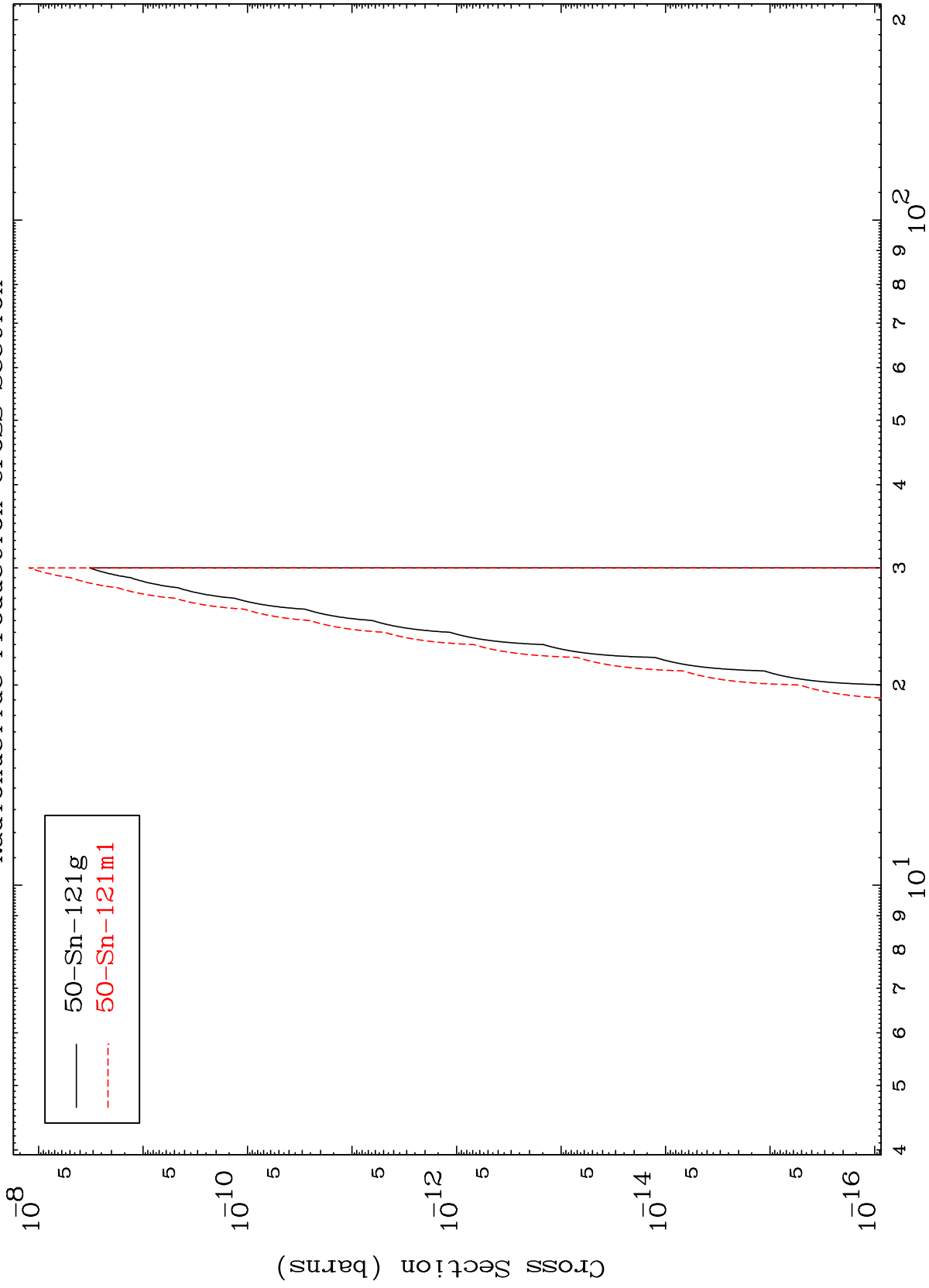
54-Xe-129

MAT 5441

(n,n') 2 α

54-Xe-129

Radionuclide Production Cross Section



23

Incident Energy (MeV)

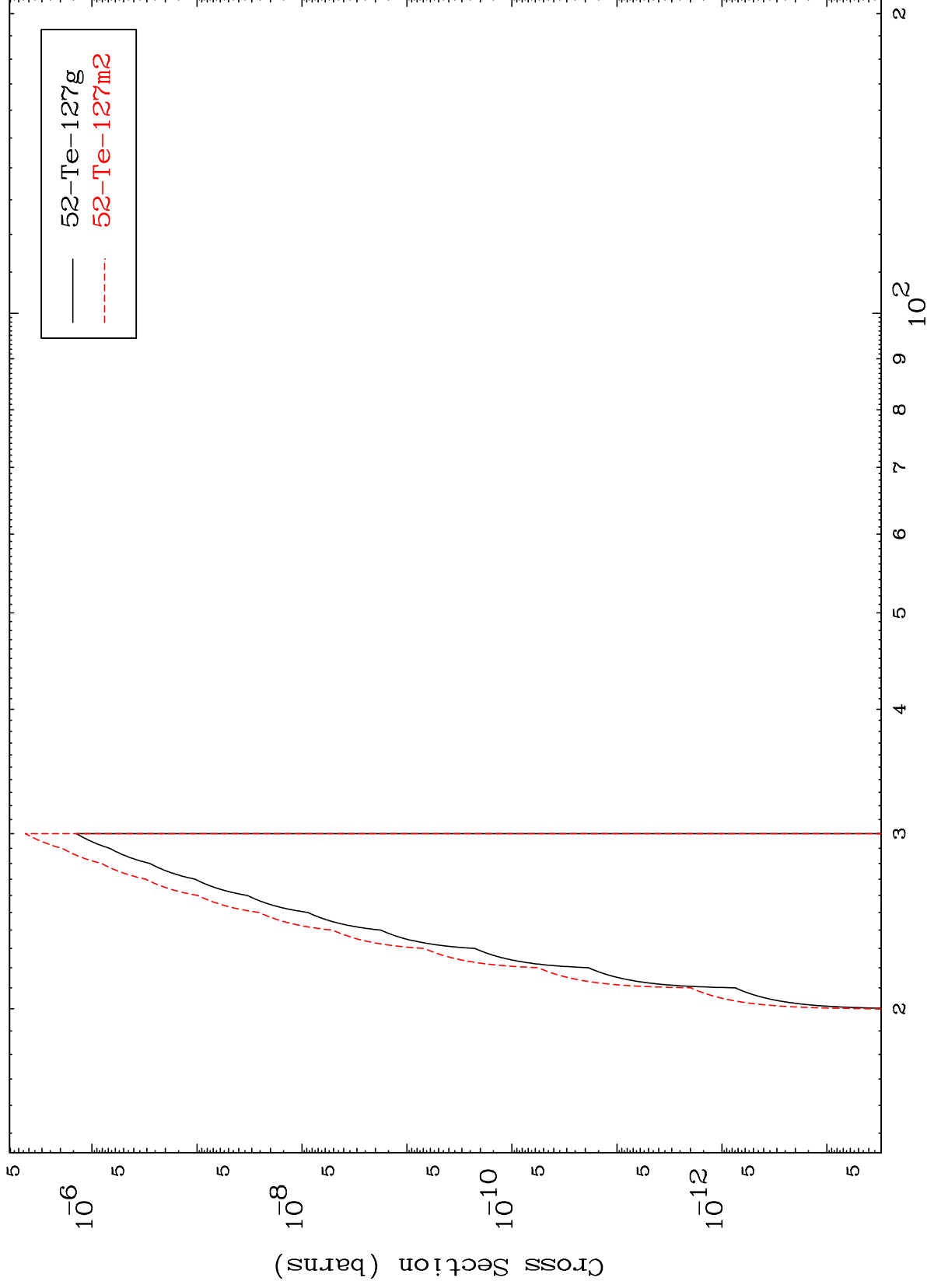
54-Xe-129

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(n,2n) p

54-Xe-129

Radionuclide Production Cross Section



24

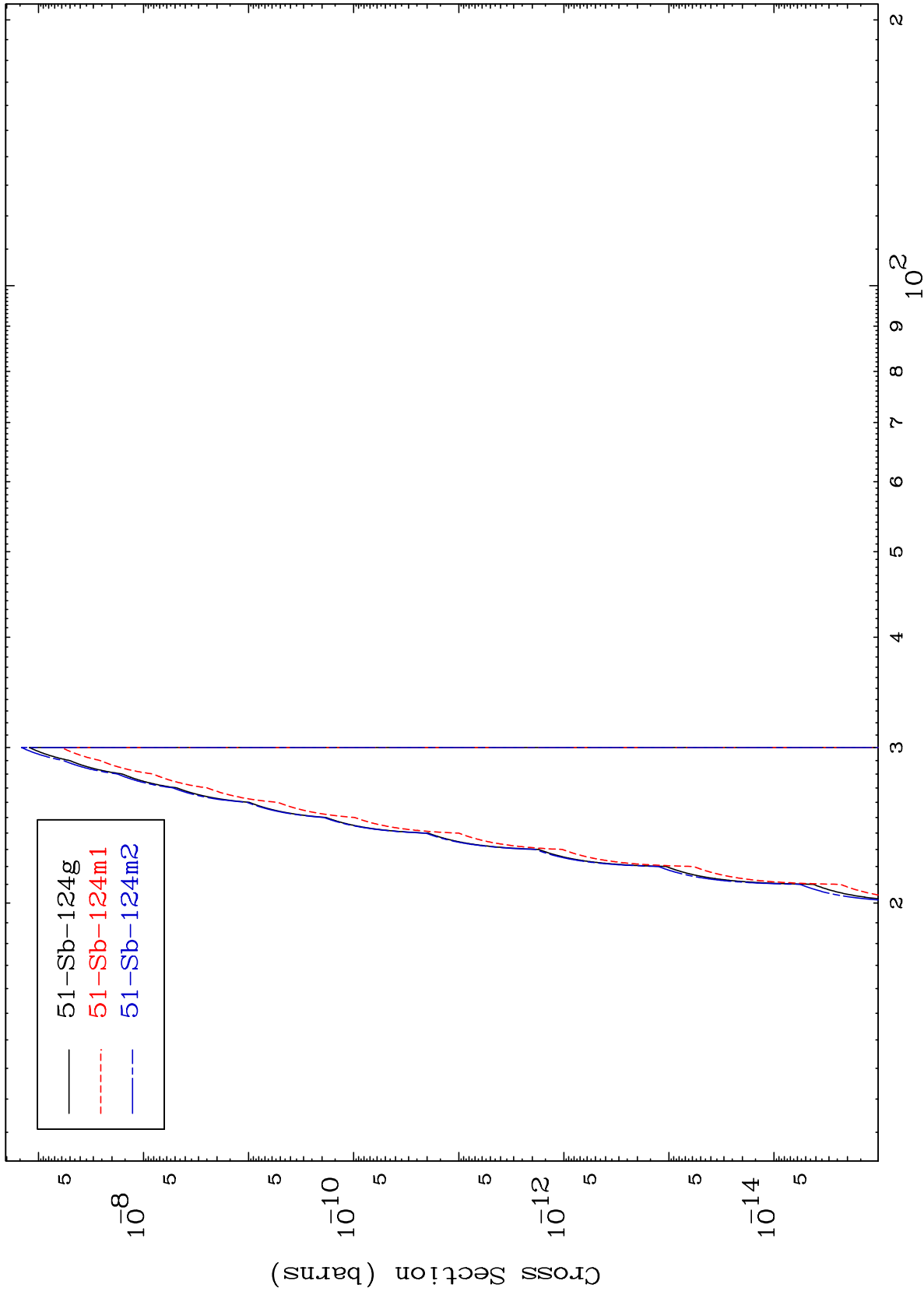
Incident Energy (MeV)

54-Xe-129

MAT 5441

54-Xe-129

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



25

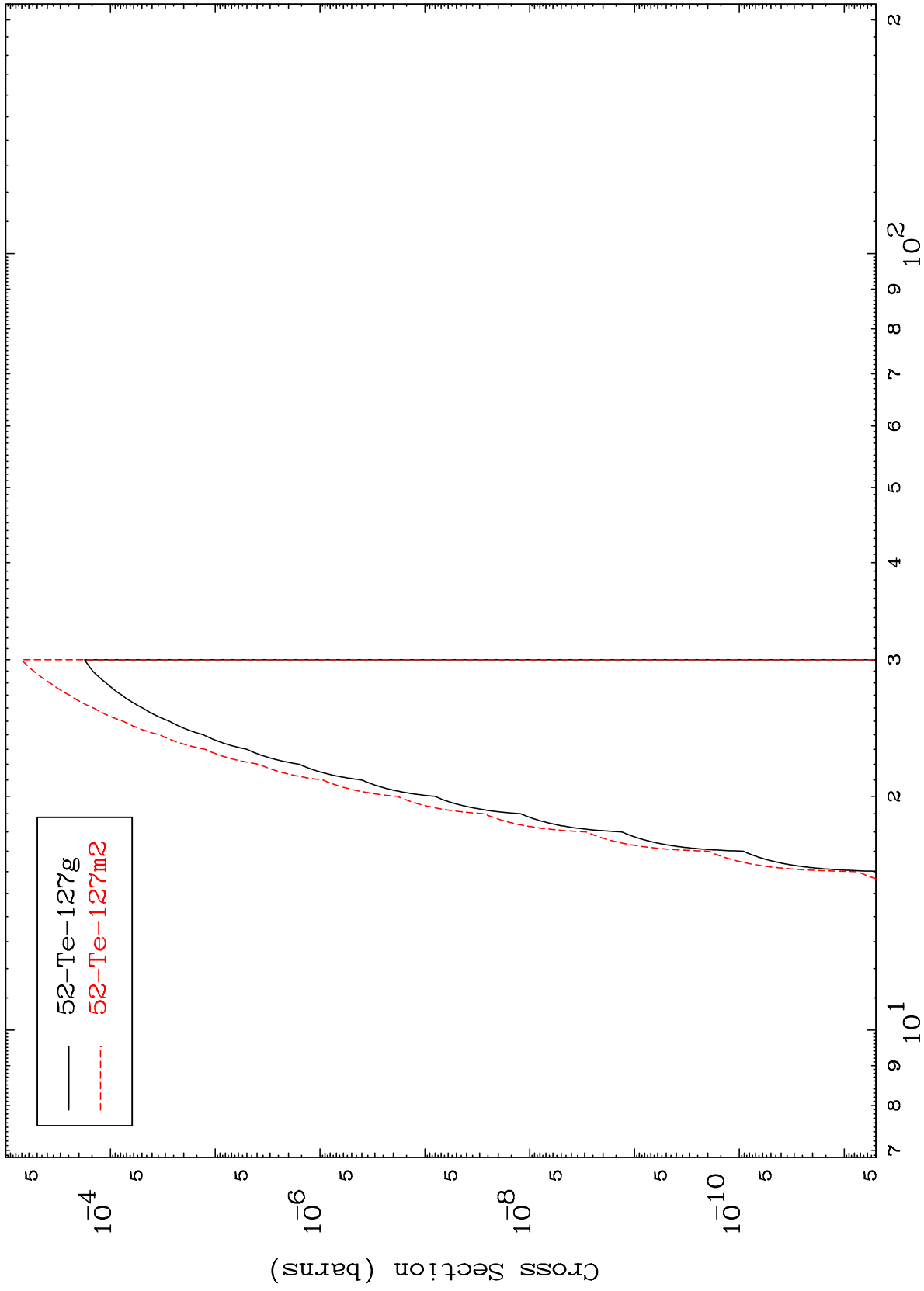
54-Xe-129

MAT 5441

(n, He-3)

54-Xe-129

Radionuclide Production Cross Section



26

Incident Energy (MeV)

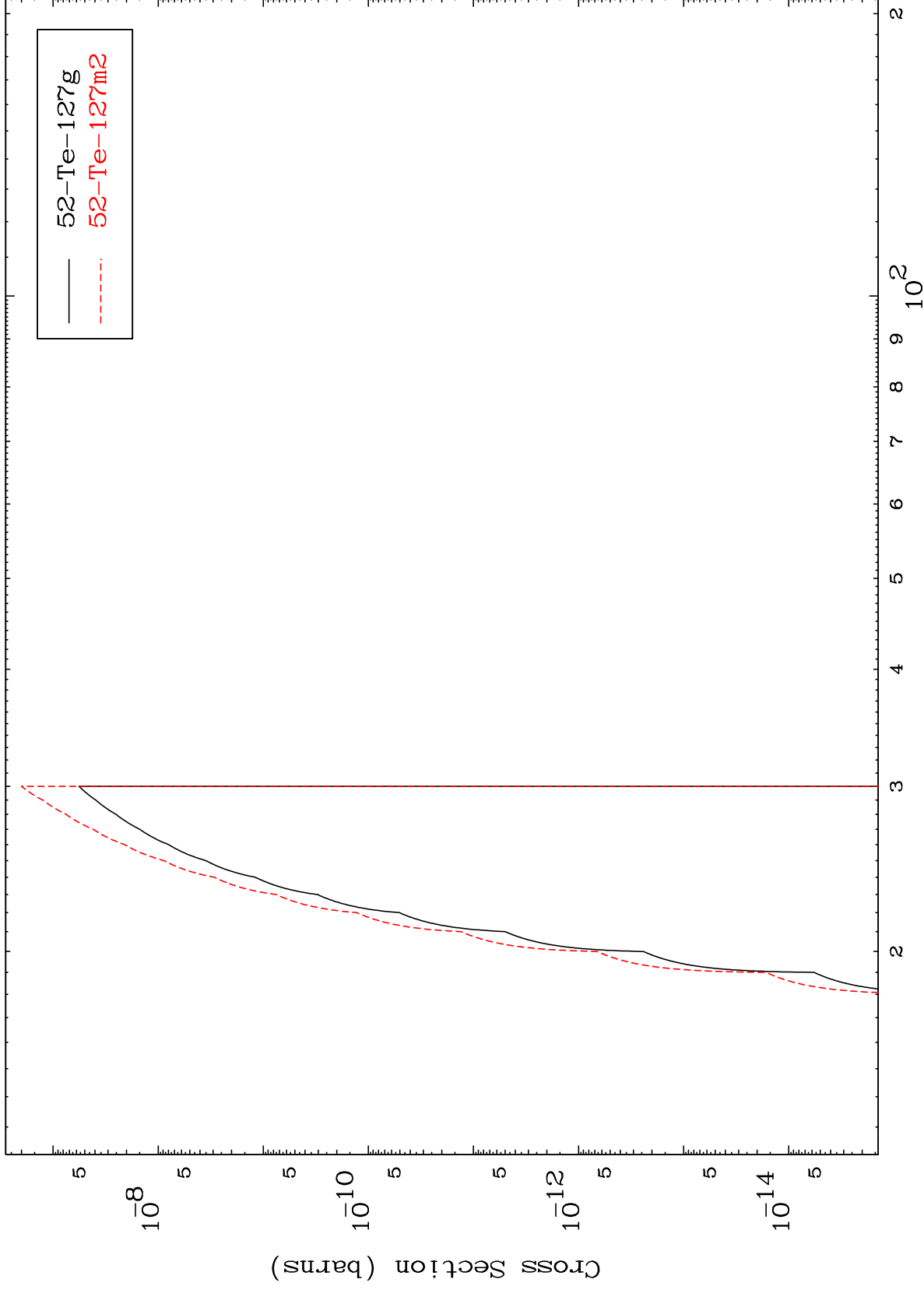
54-Xe-129

MAT 5441

(n,p) d

54-Xe-129

Radionuclide Production Cross Section



27

Incident Energy (MeV)

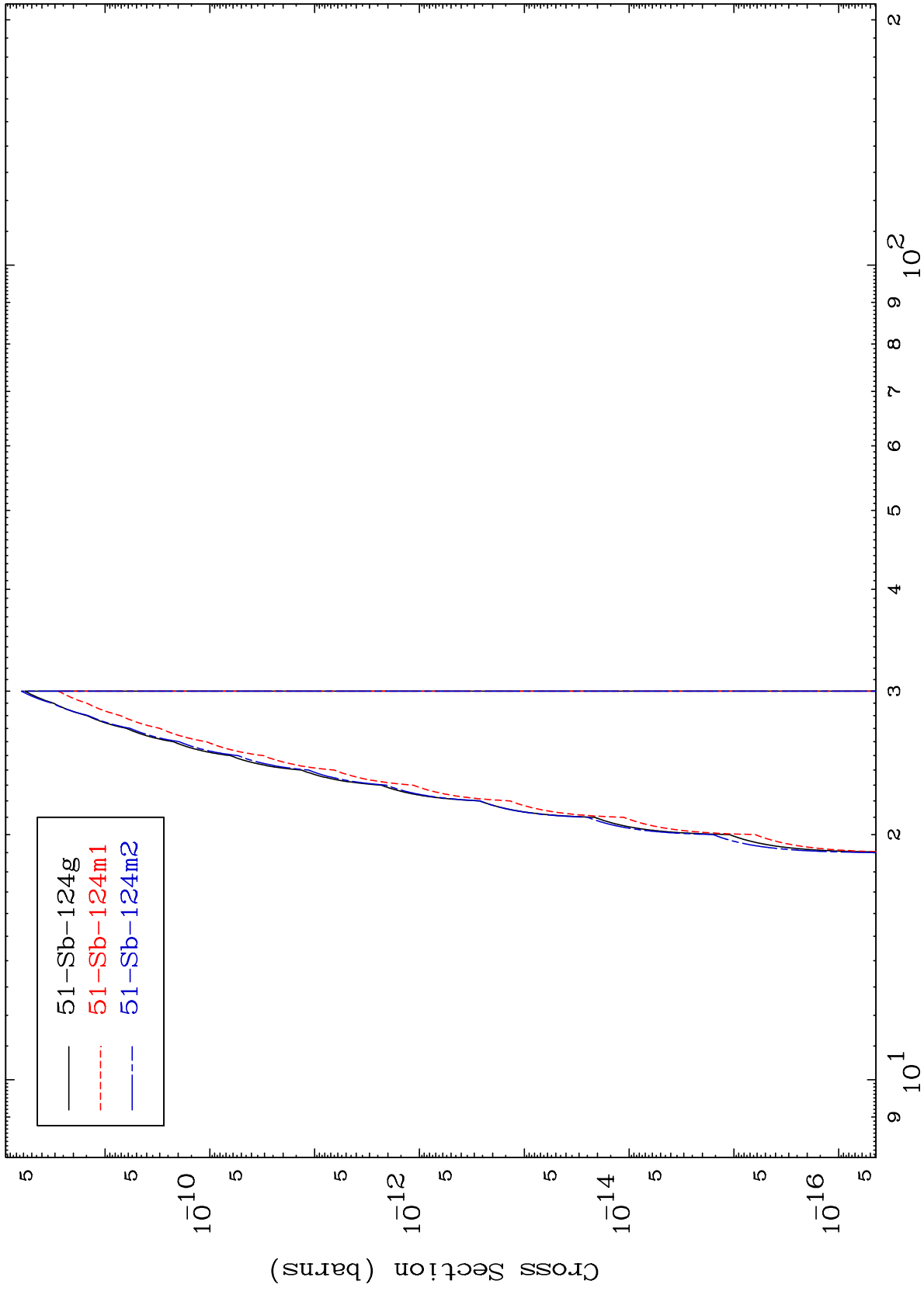
54-Xe-129

MAT 5441

(n,d) α

54-Xe-129

Radionuclide Production Cross Section



28

Incident Energy (MeV)

54-Xe-129