

Program EVALPLOT  
(Version 2018-1)

by

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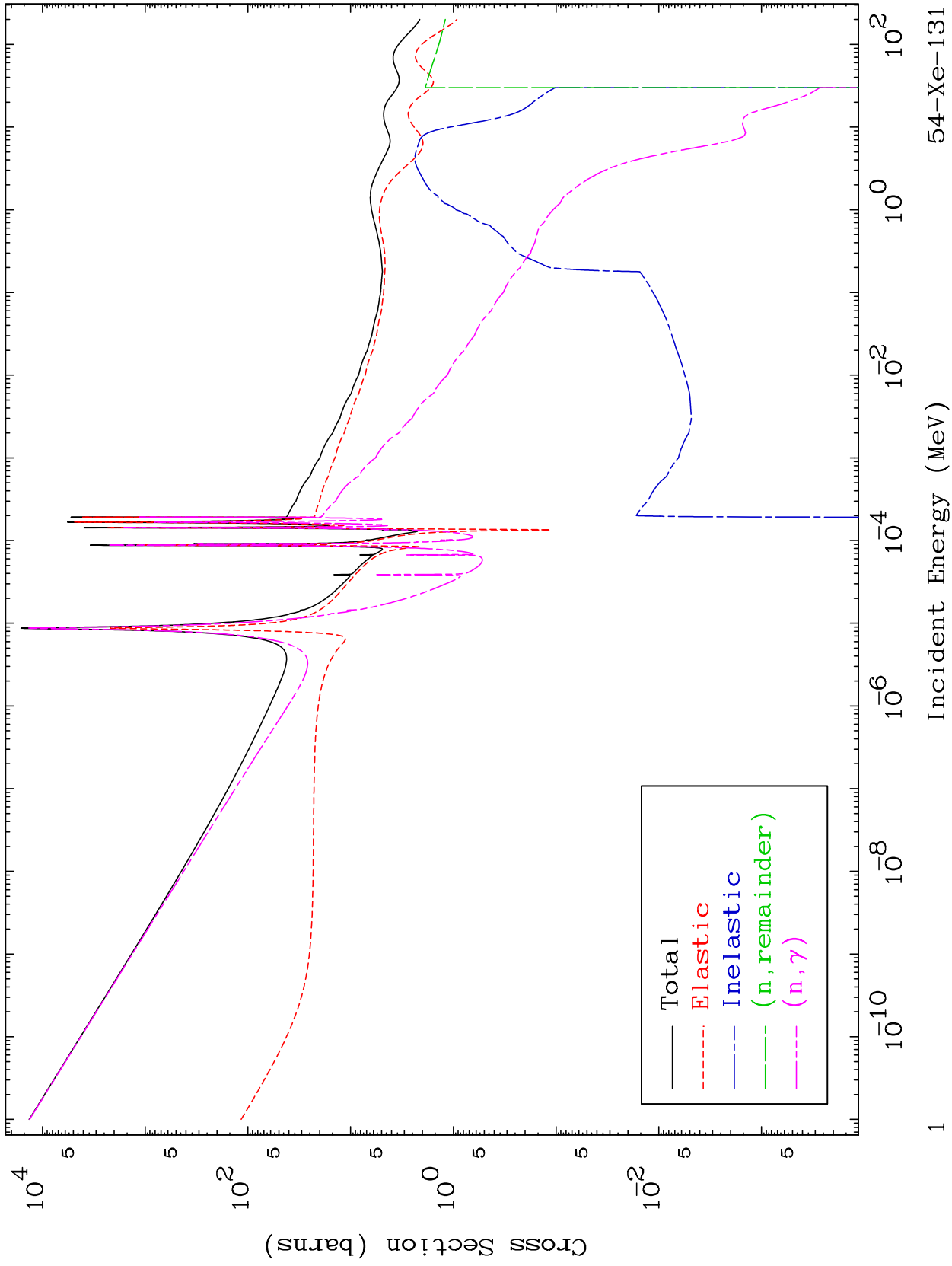
Press Mouse Button to Start

MAT 5447

Major

293 Kelvin Cross Sections

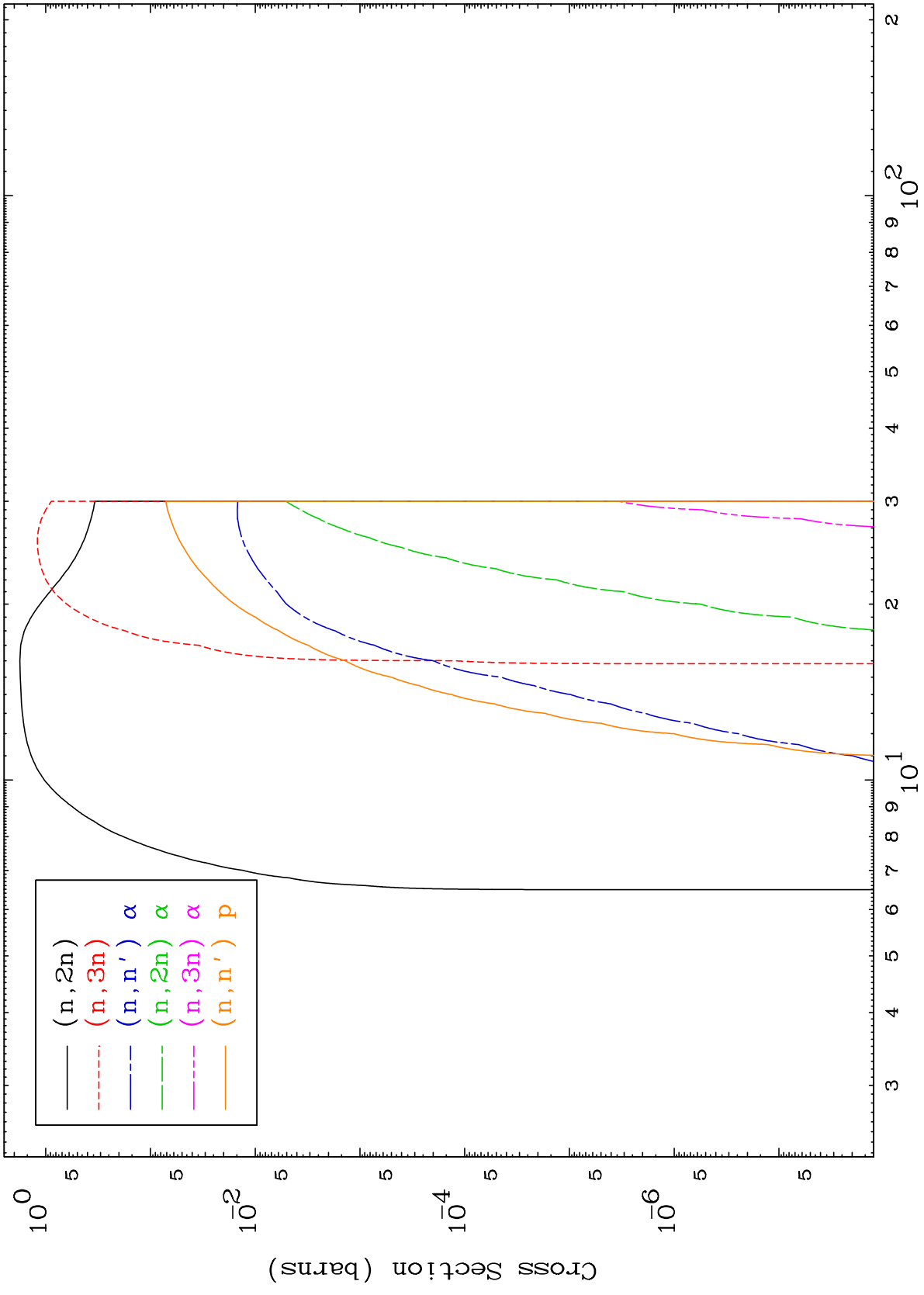
54-Xe-131



MAT 5447

Neutron Production  
293 Kelvin Cross Sections

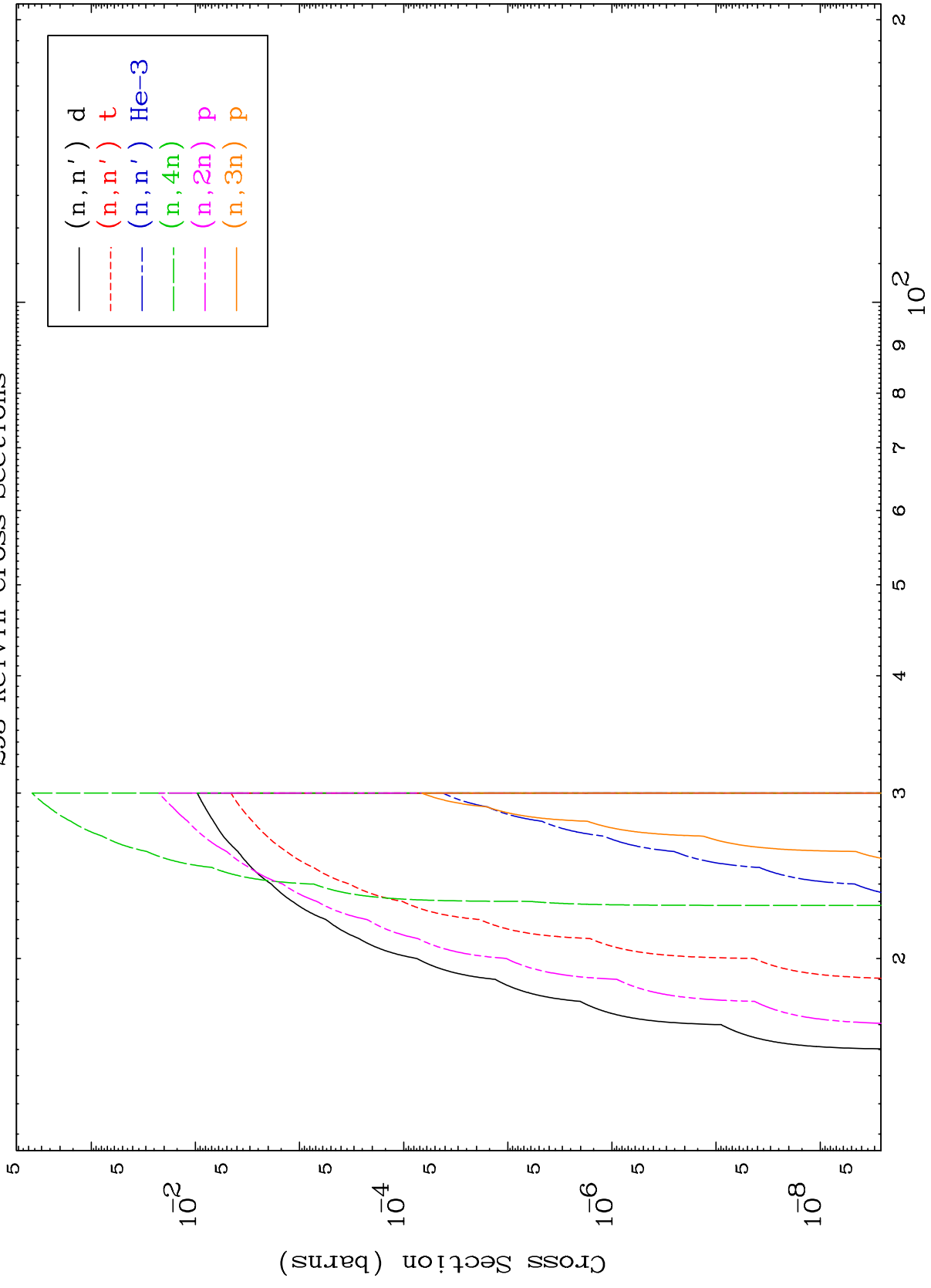
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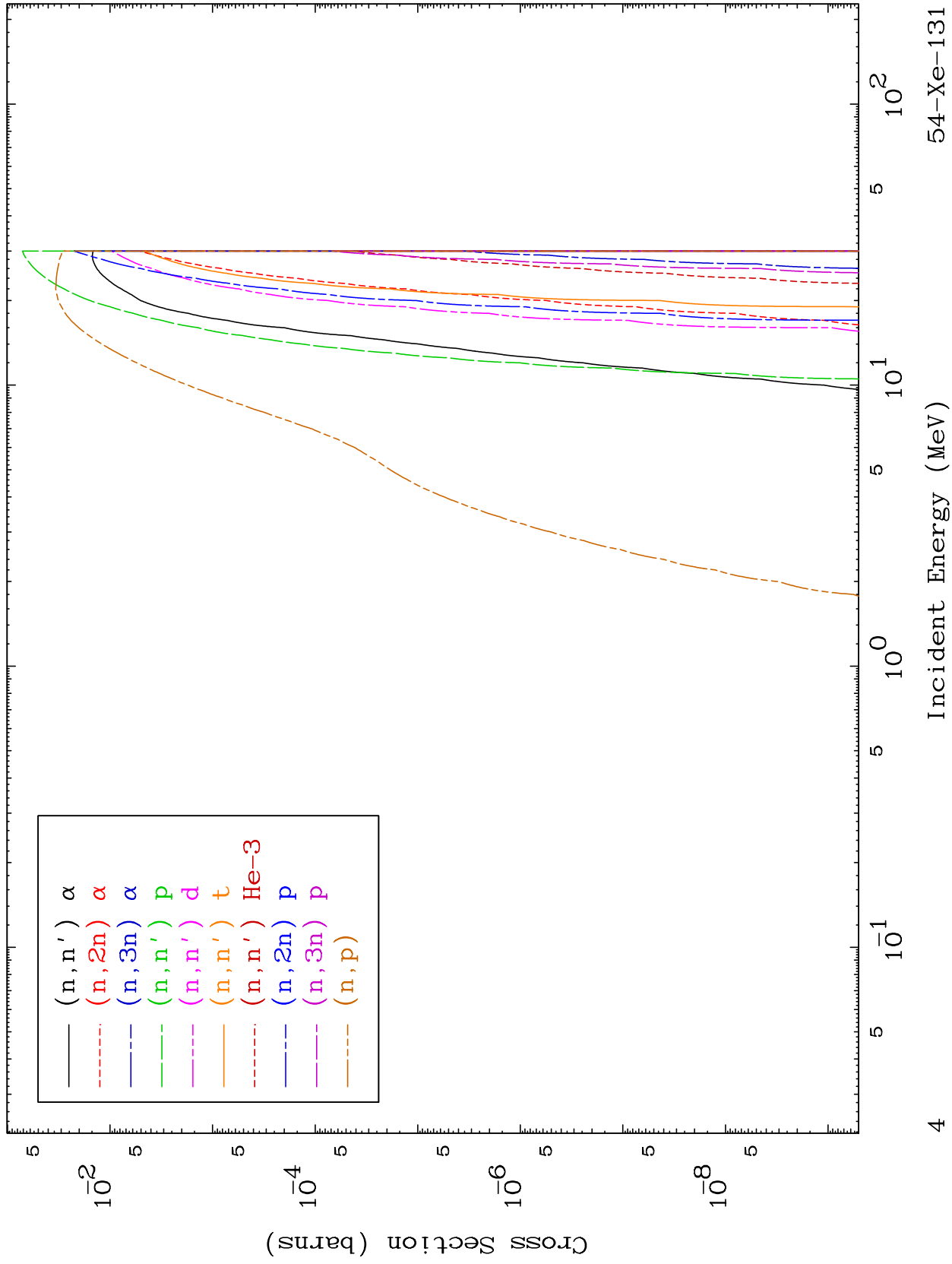


2

Incident Energy (MeV)

54-Xe-131

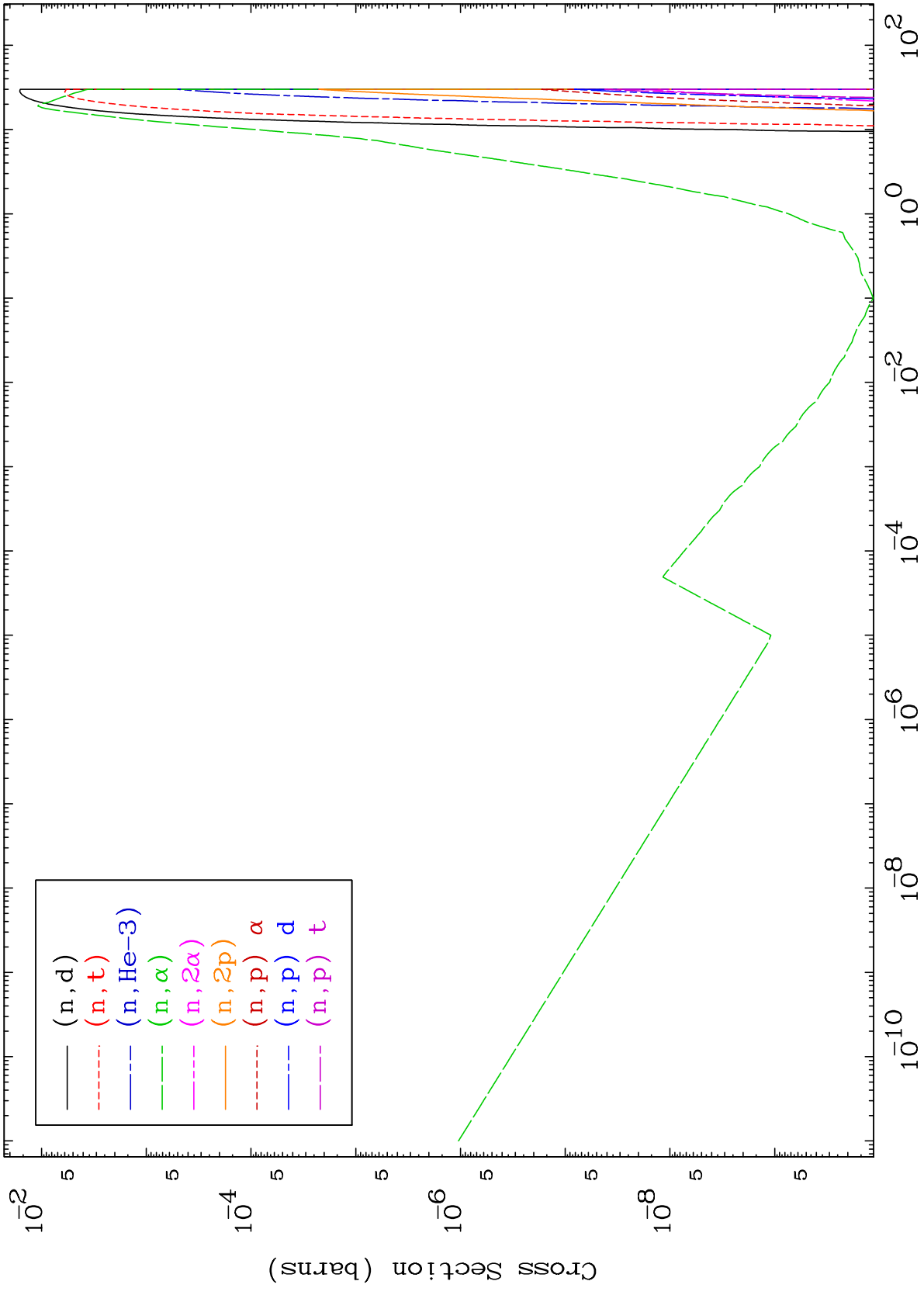




MAT 5447

293 Kelvin Cross Sections

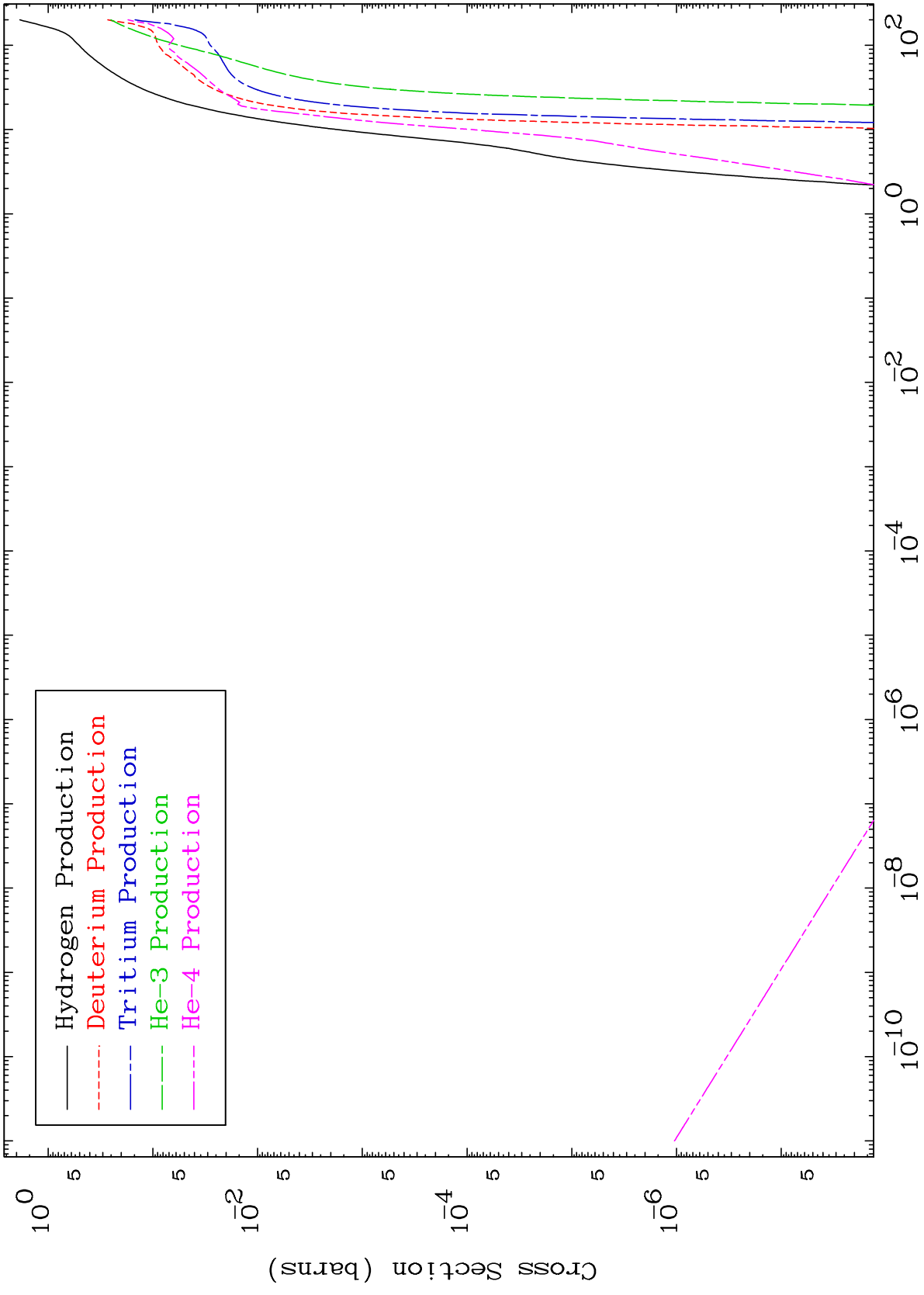
54-Xe-131



MAT 5447

Particle Production  
293 Kelvin Cross Sections

54-Xe-131

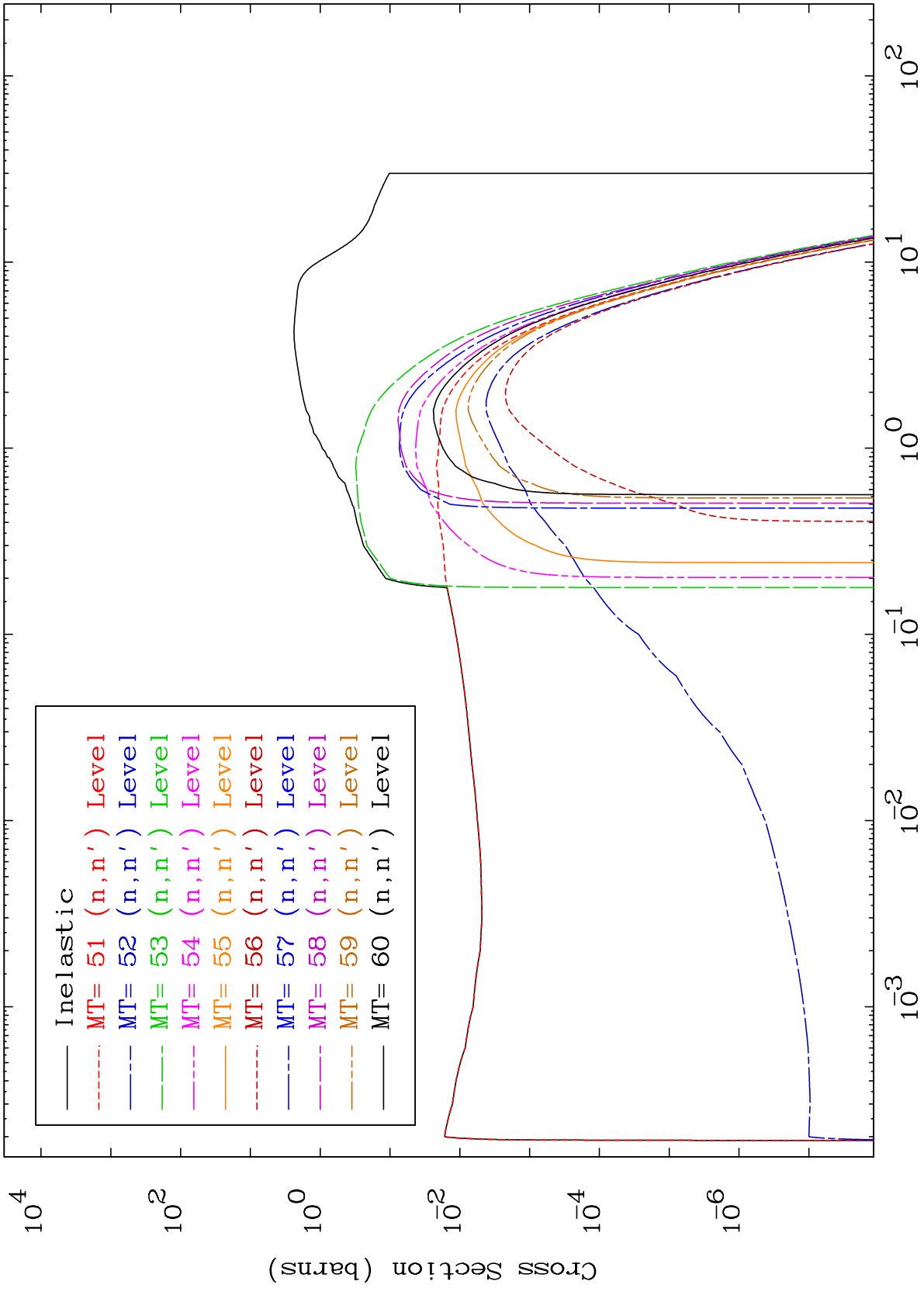


54-Xe-131

MAT 5447

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-131



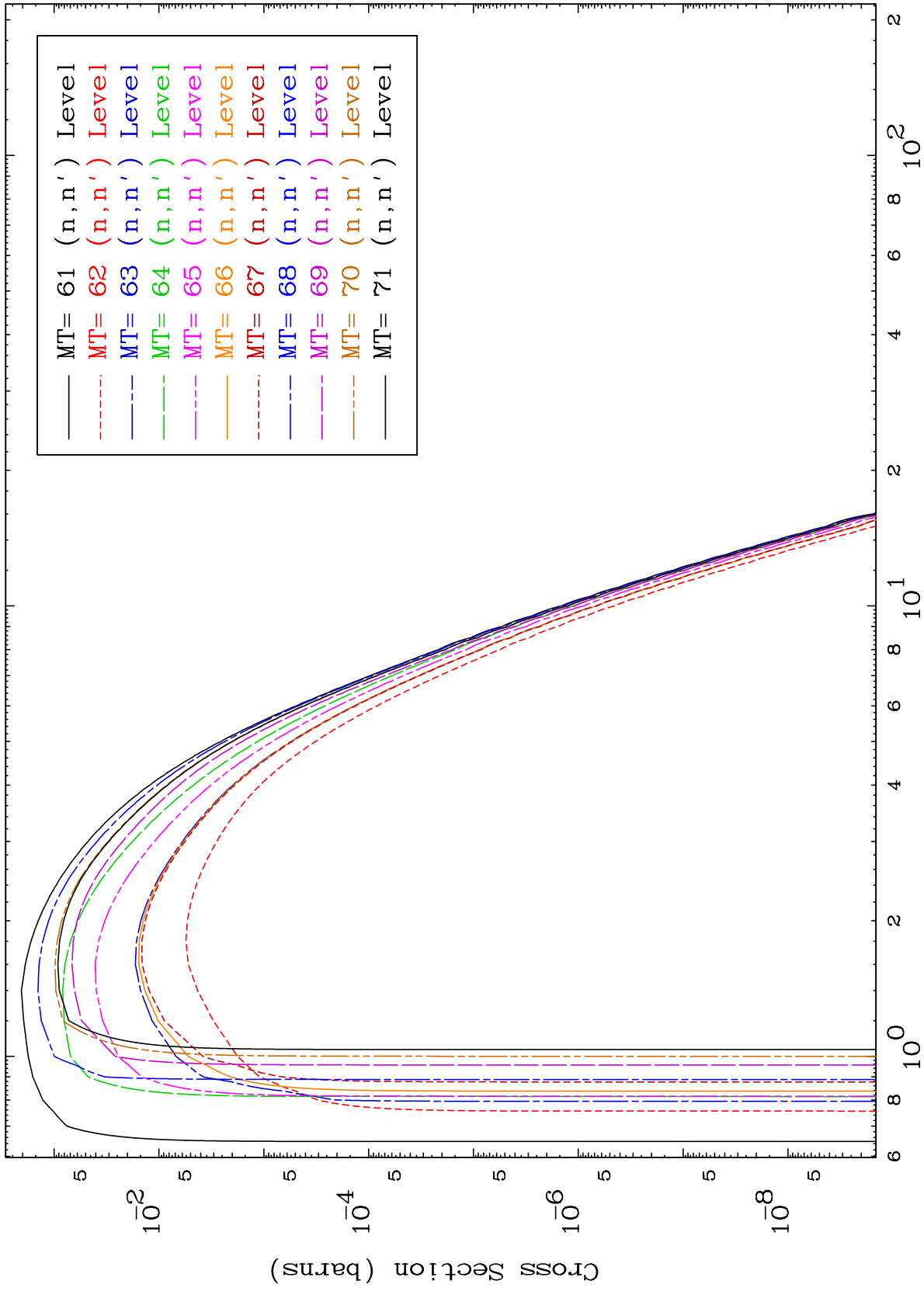
54-Xe-131

MAT 5447

(n,n') Level

54-Xe-131

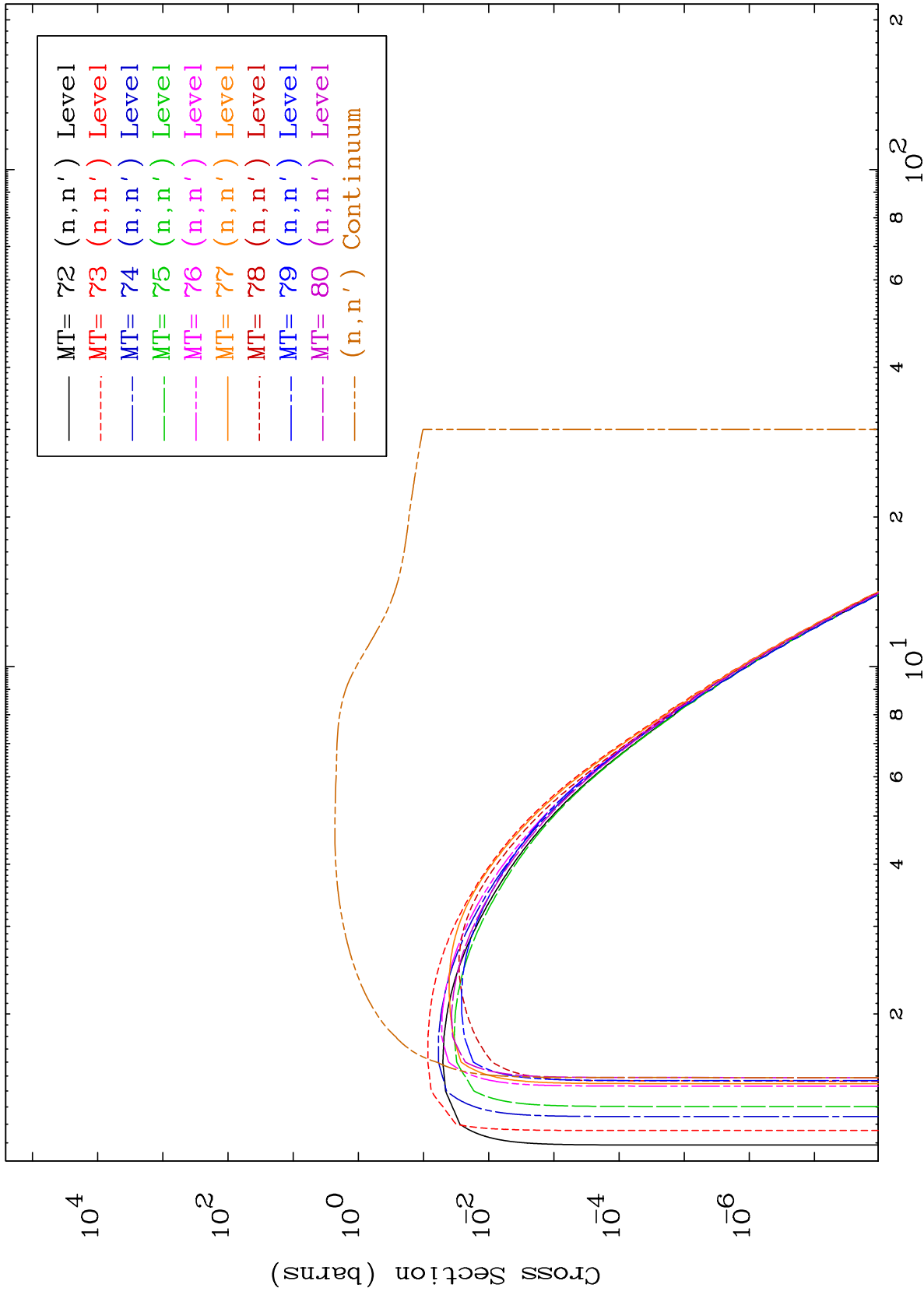
293 Kelvin Cross Sections



8

Incident Energy (MeV)

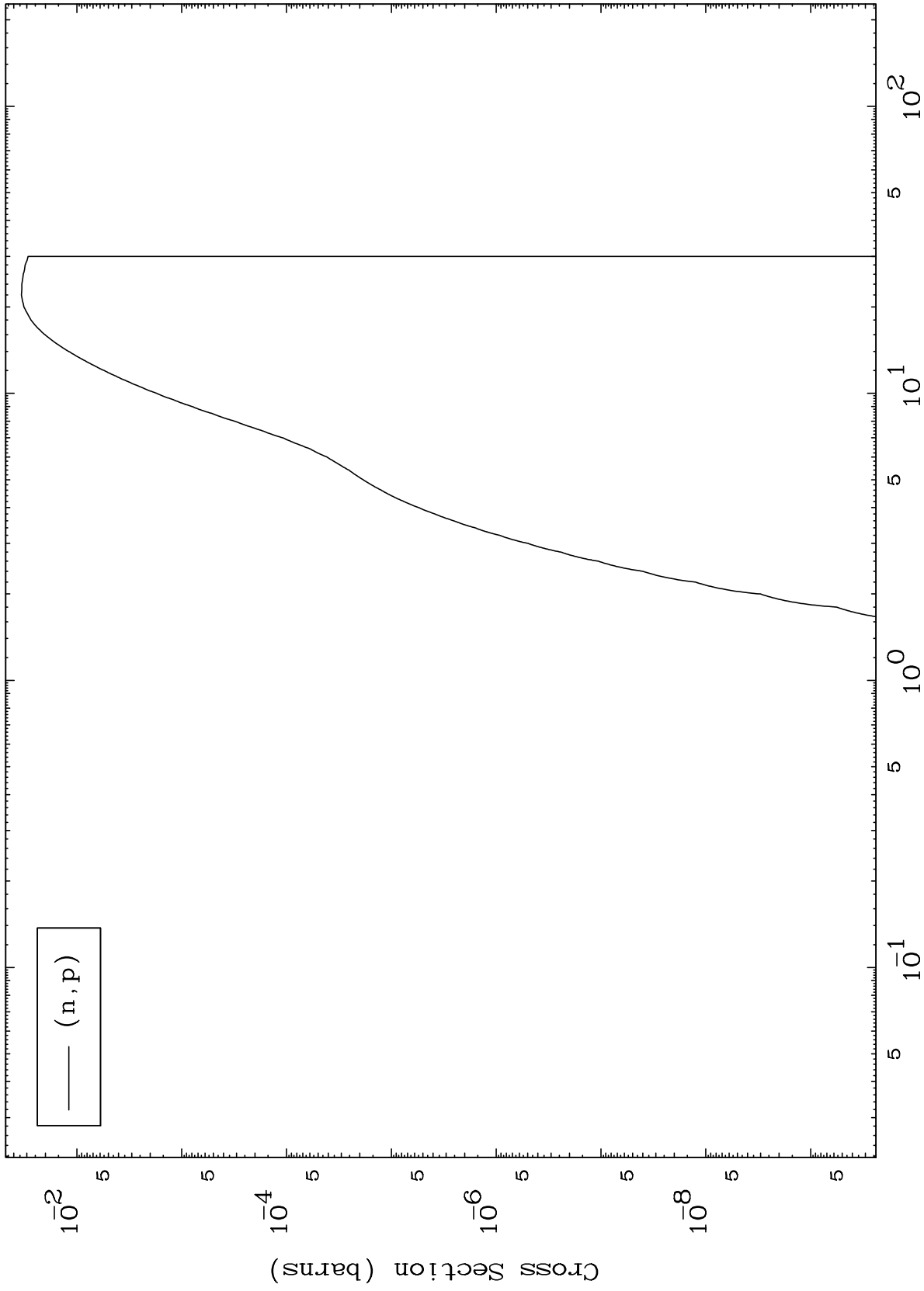
54-Xe-131



MAT 5447

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-131



10

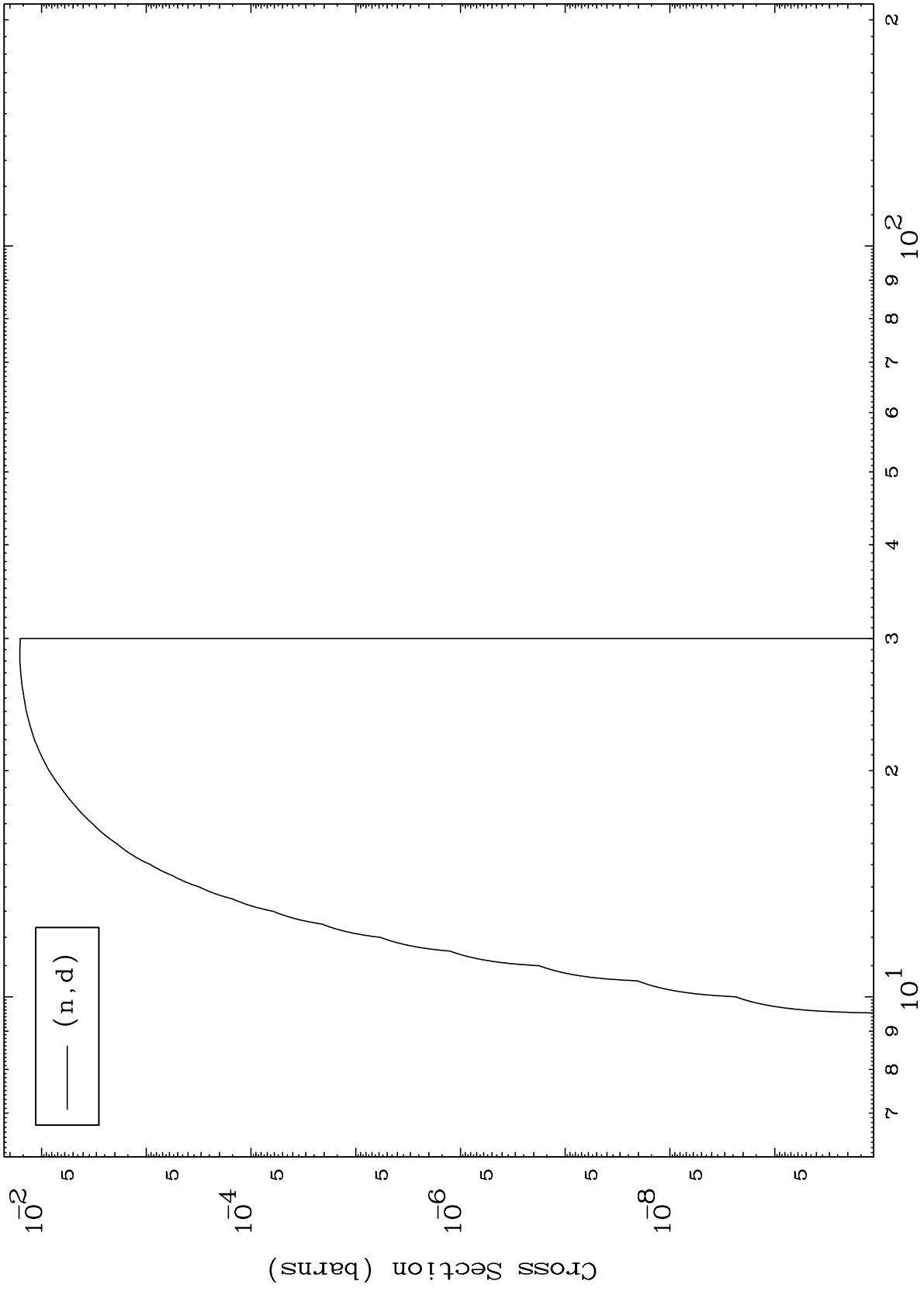
Incident Energy (MeV)

54-Xe-131

MAT 5447

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-131



11

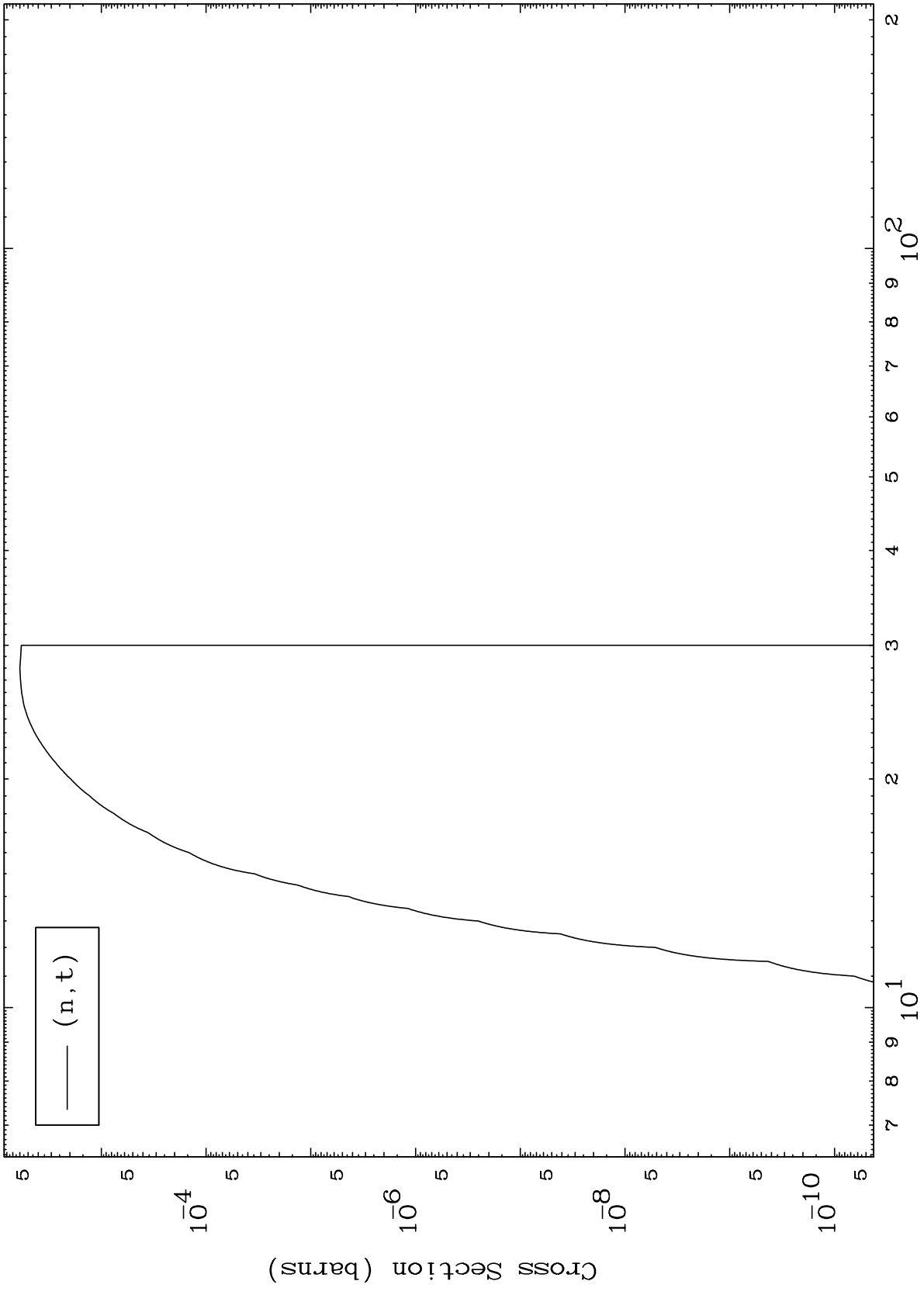
Incident Energy (MeV)

54-Xe-131

MAT 5447

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-131



12

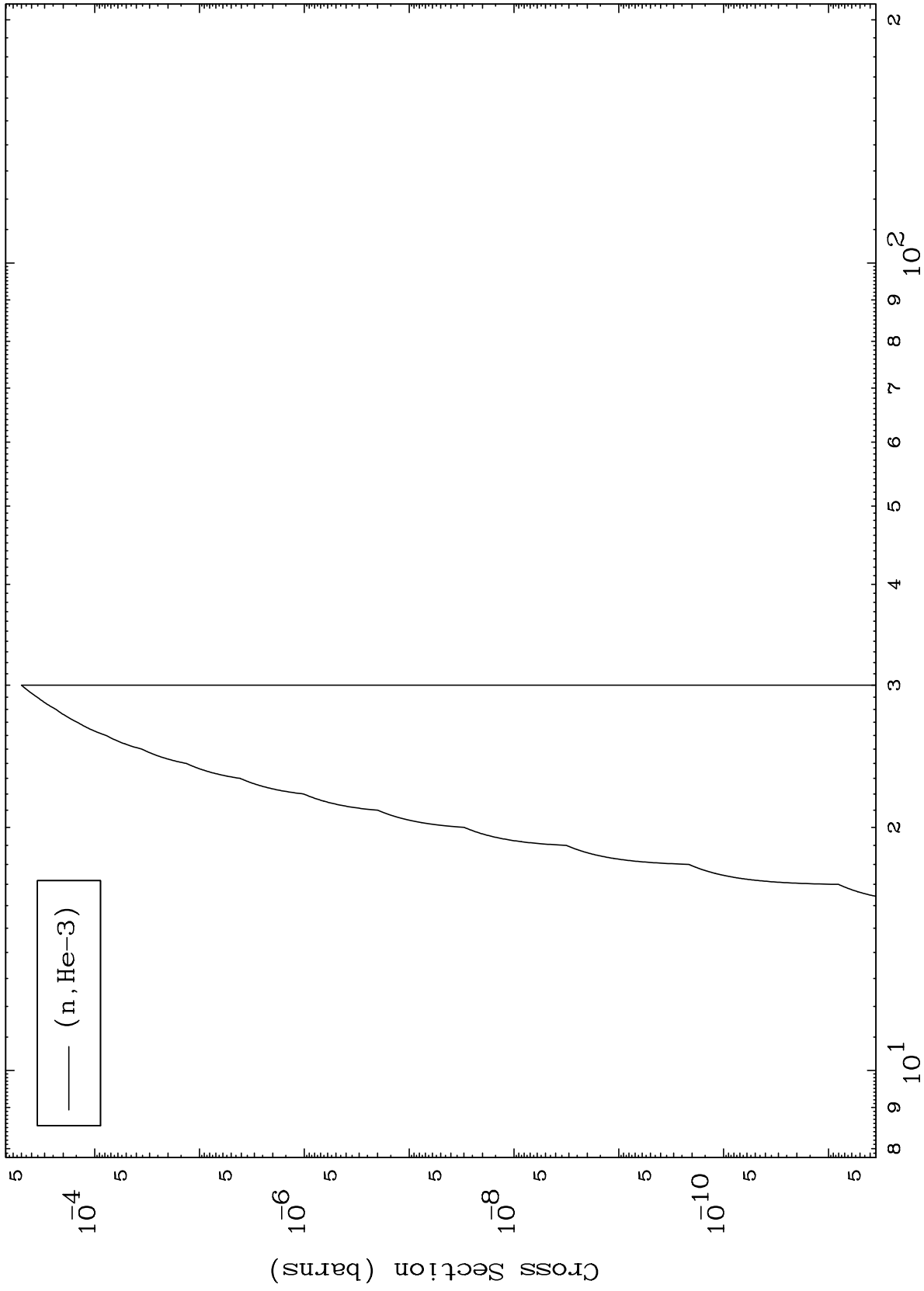
Incident Energy (MeV)

54-Xe-131

MAT 5447

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-131



13

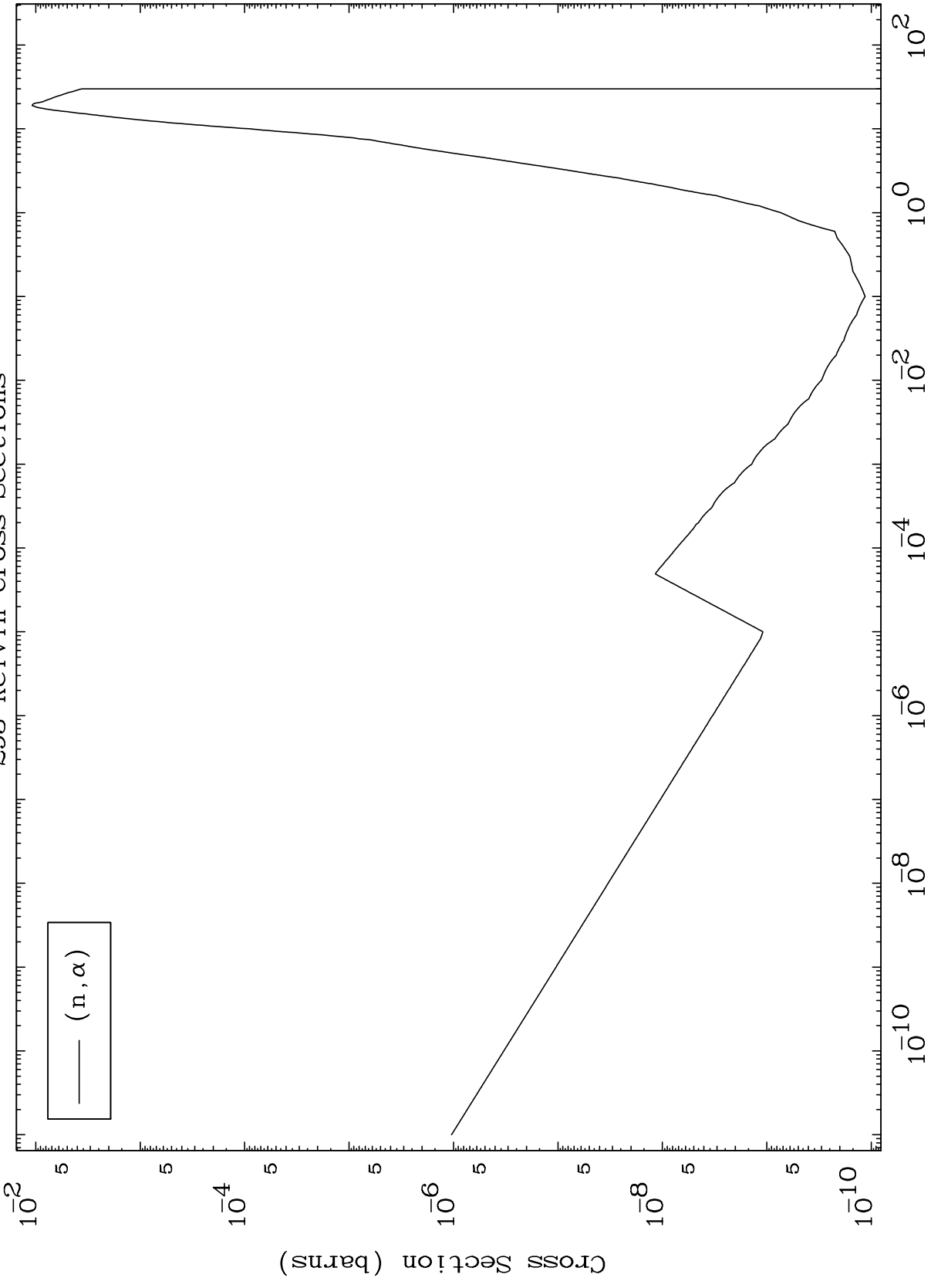
Incident Energy (MeV)

54-Xe-131

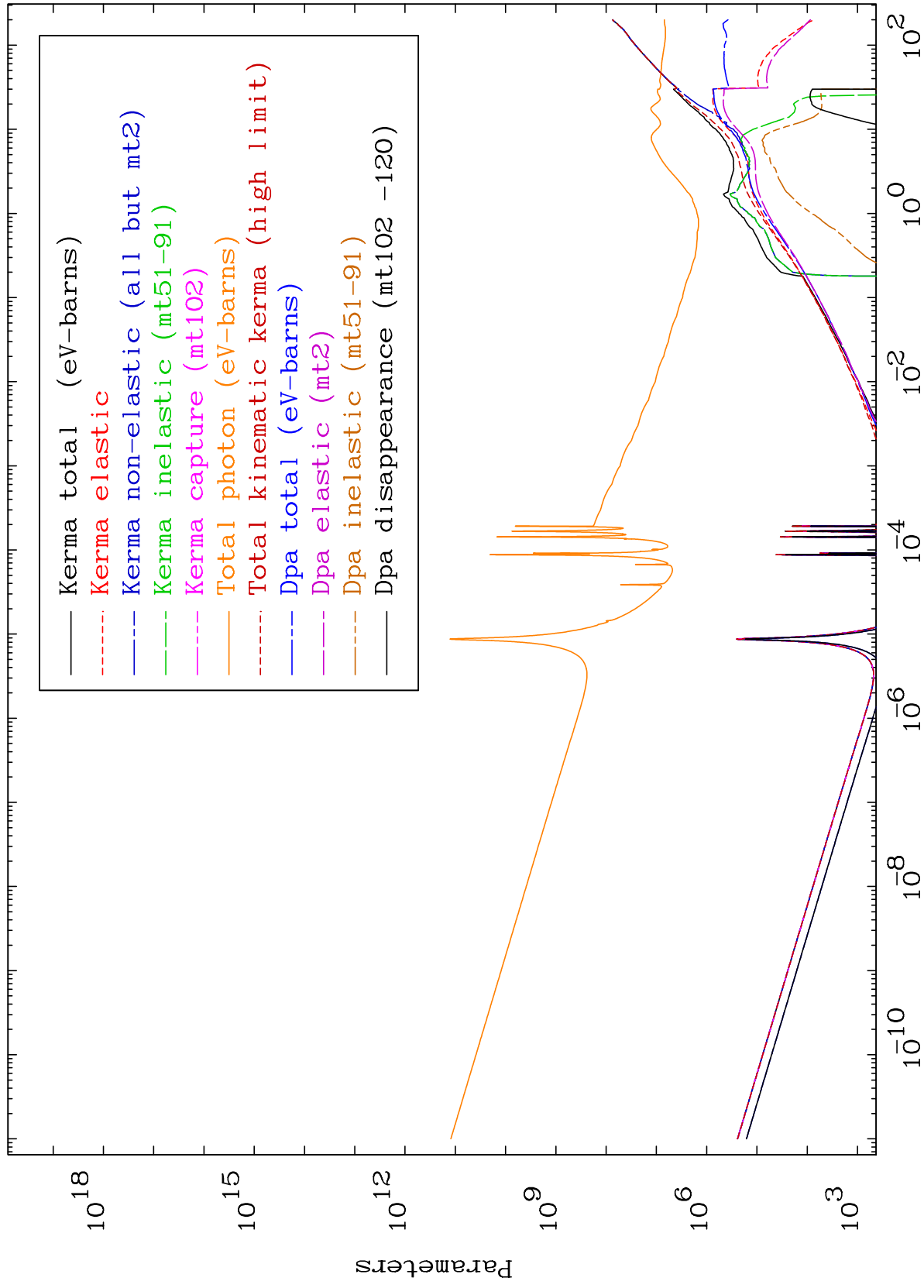
MAT 5447

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-131



(n,α)

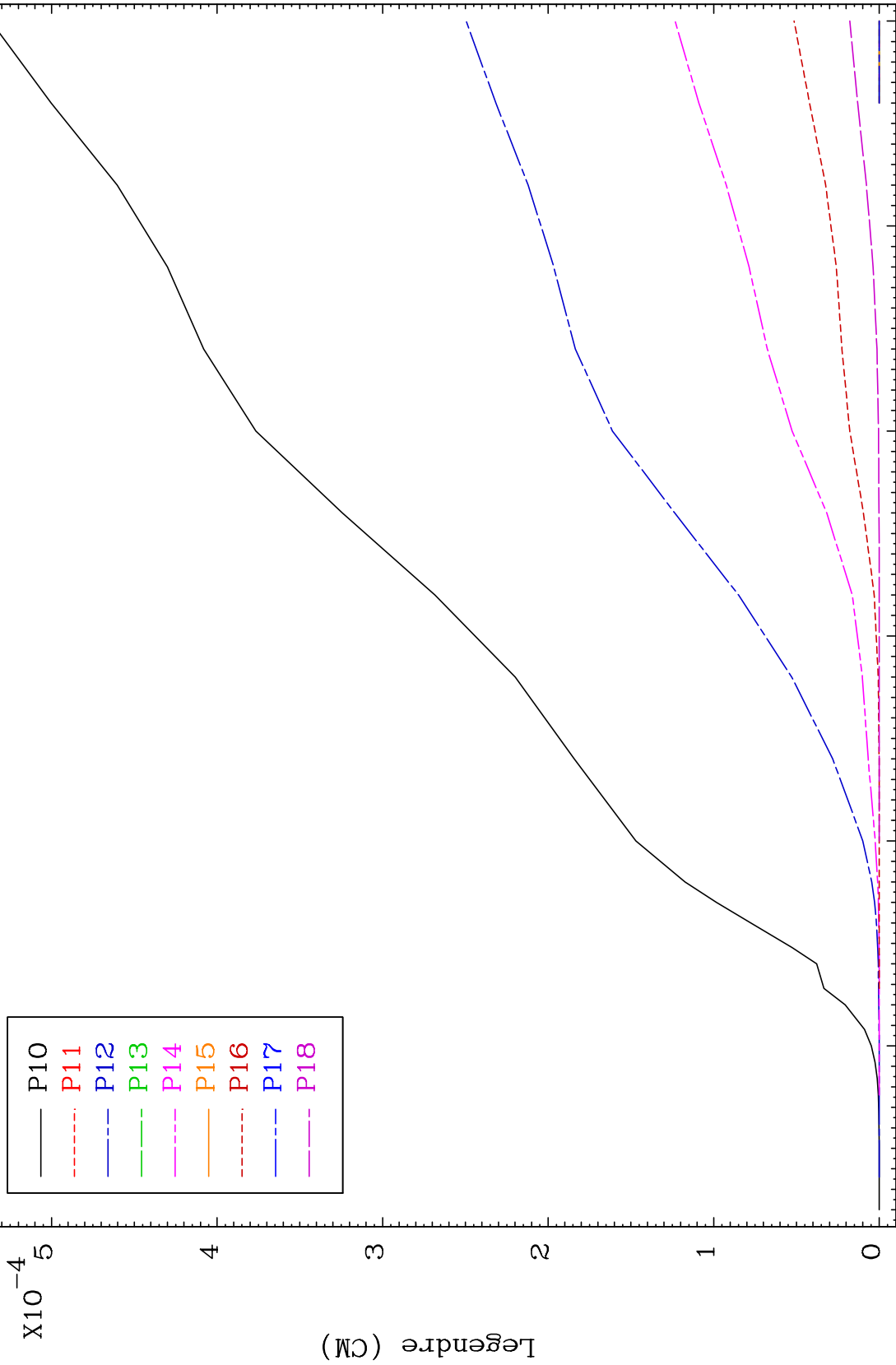
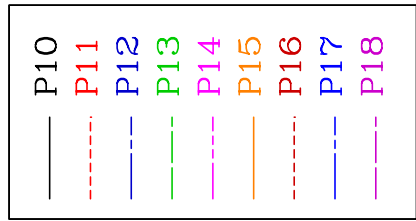




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Elastic Legendre Coefficients

54-Xe-131



17

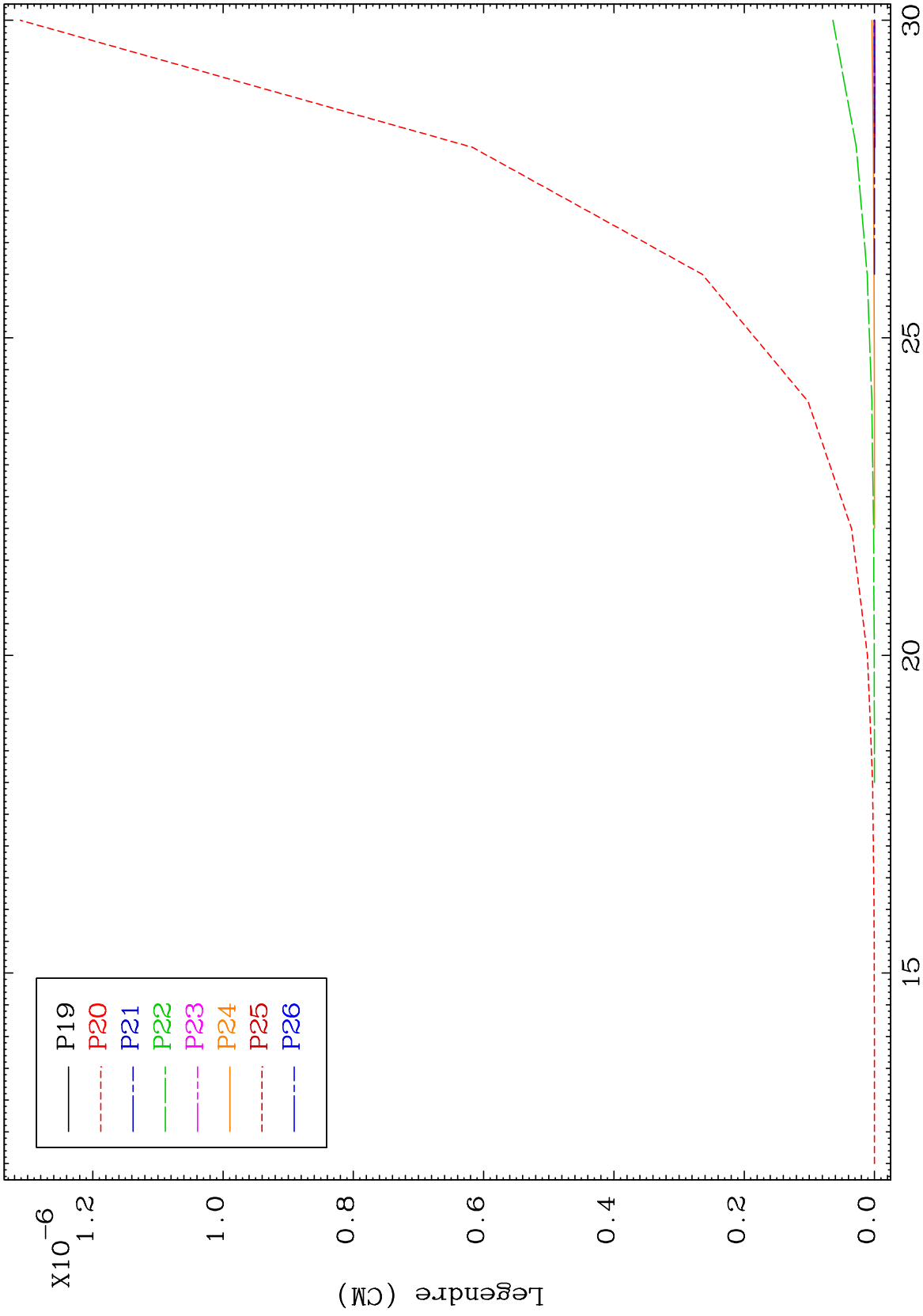
Incident Energy (MeV)

54-Xe-131

MAT 5447

Elastic Legendre Coefficients

54-Xe-131



18

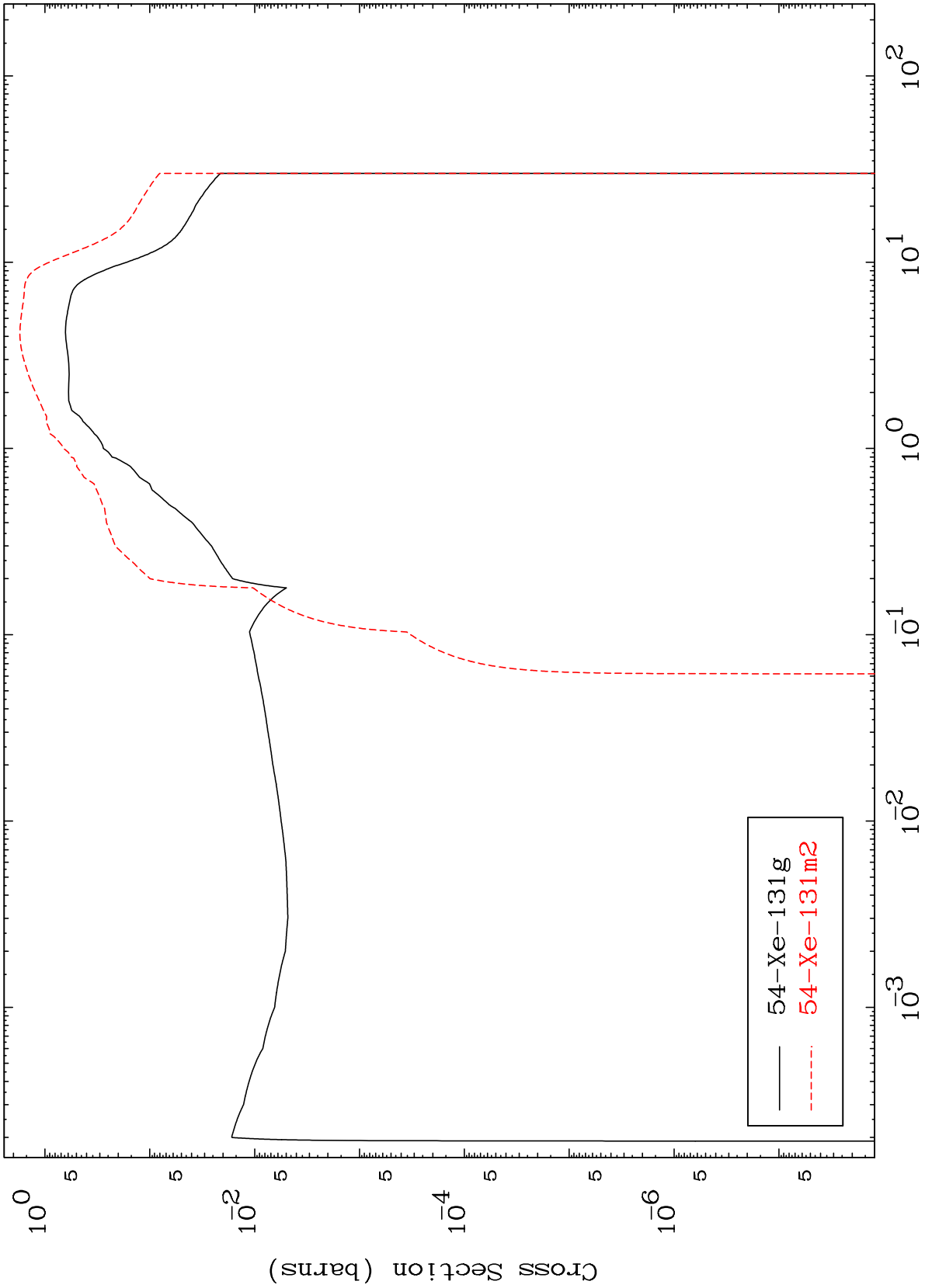
Incident Energy (MeV)

54-Xe-131

MAT 5447

54-Xe-131

Inelastic  
Radionuclide Production Cross Section



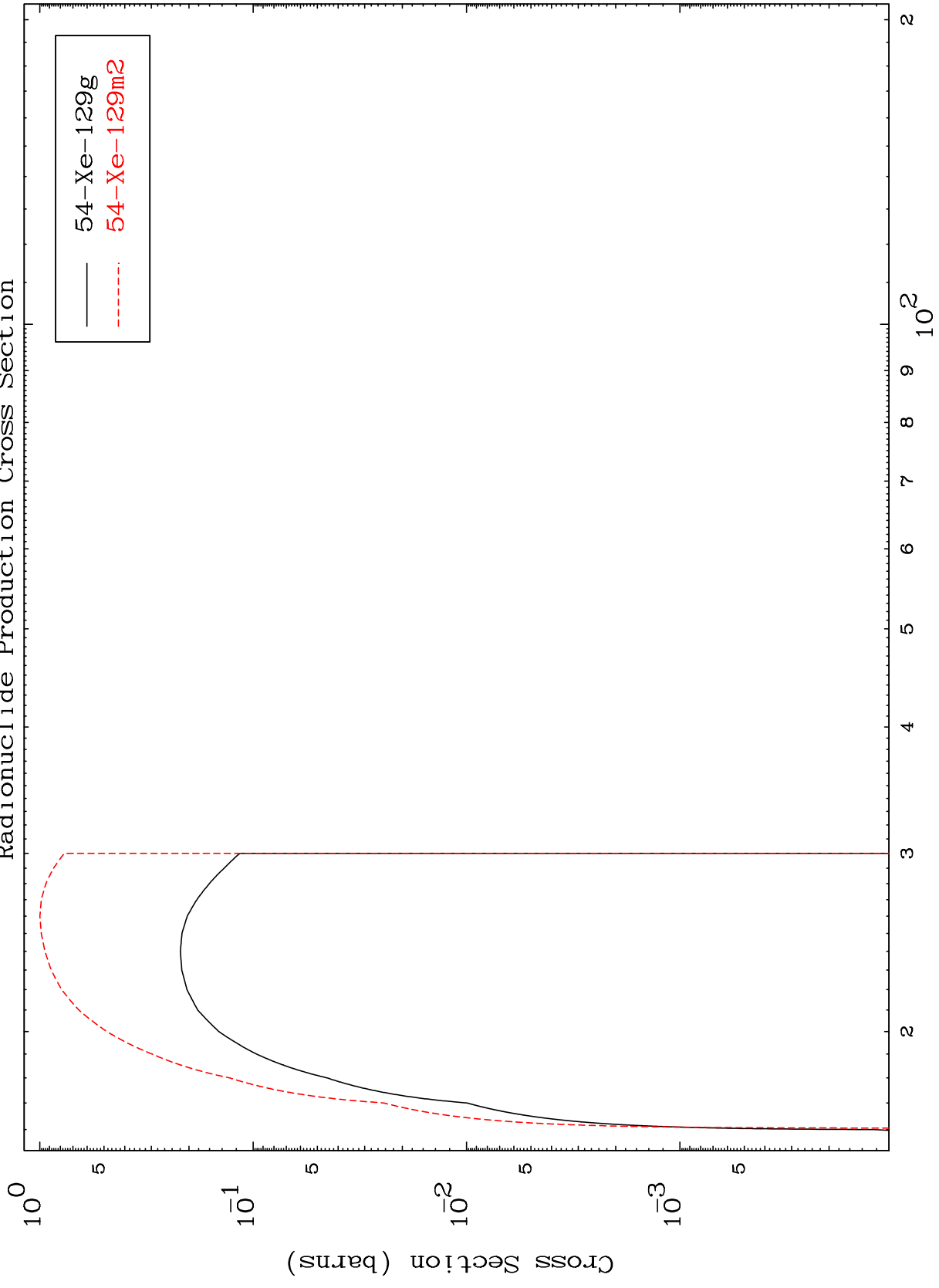
54-Xe-131

Incident Energy (MeV)

MAT 5447

54-Xe-131

(n,3n)  
Radionuclide Production Cross Section



20

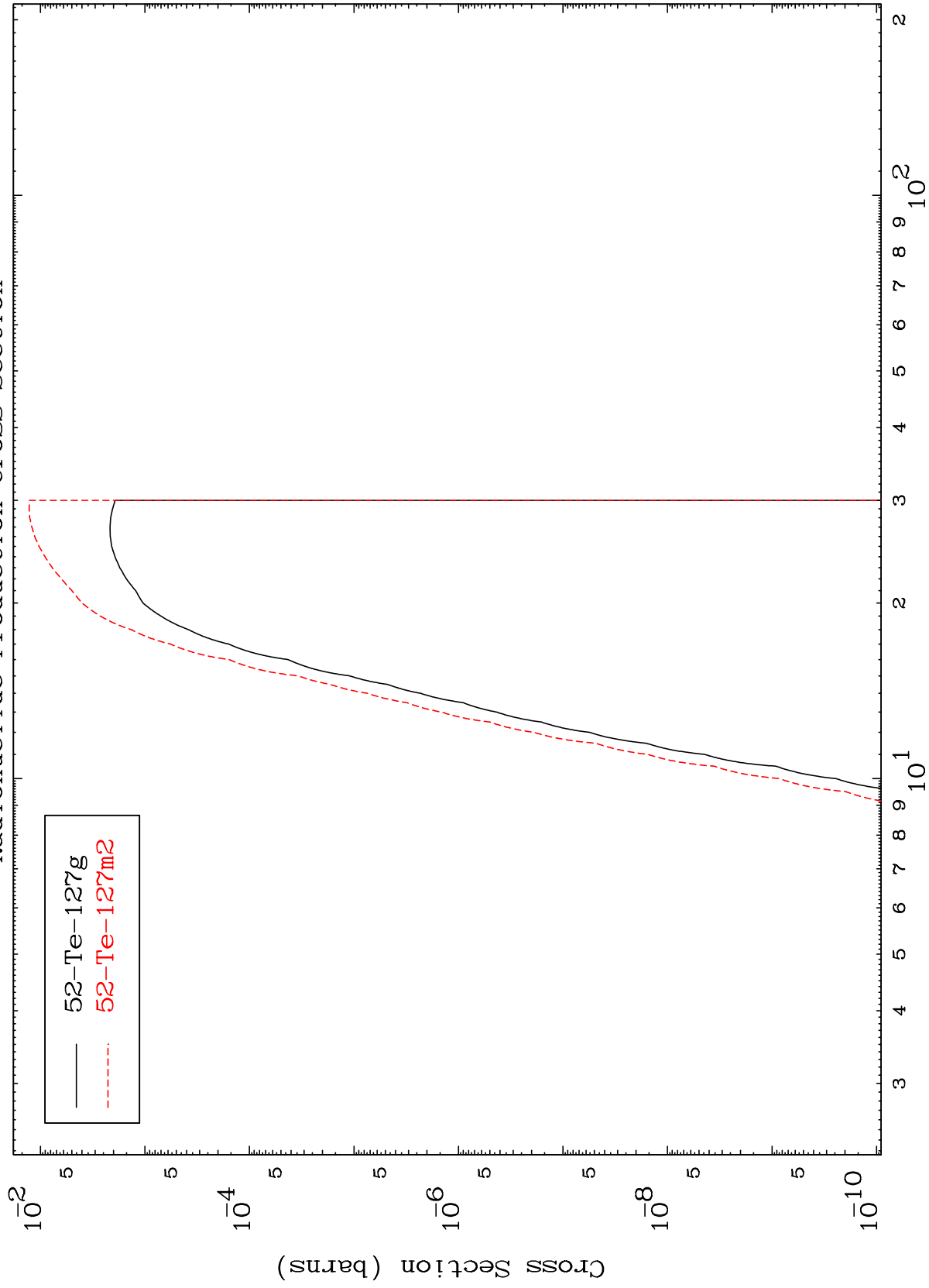
Incident Energy (MeV)

54-Xe-131

MAT 5447

54-Xe-131

(n,n')  $\alpha$   
Radionuclide Production Cross Section



21

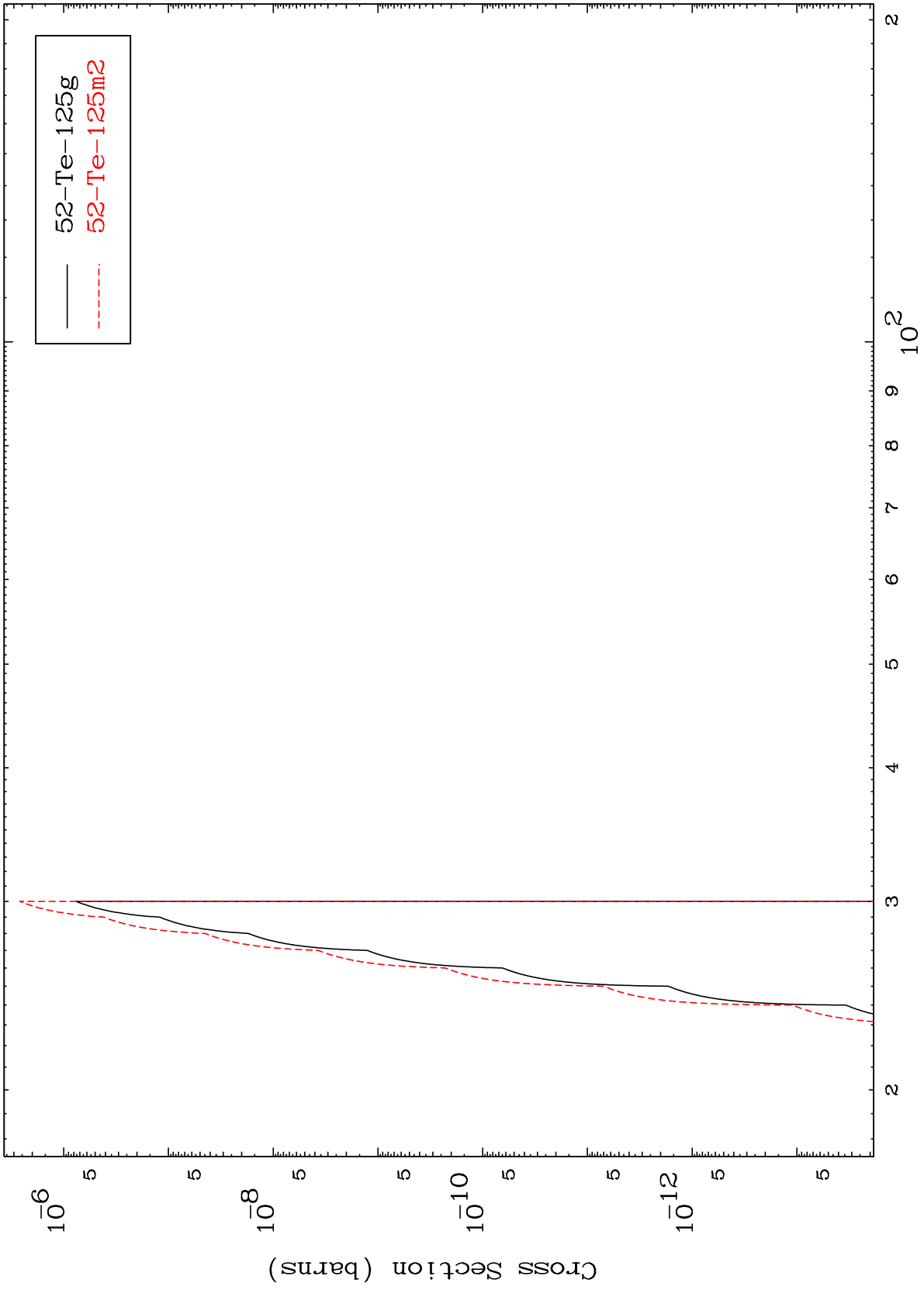
54-Xe-131

MAT 5447

(n,3n)  $\alpha$

54-Xe-131

Radionuclide Production Cross Section



22

Incident Energy (MeV)

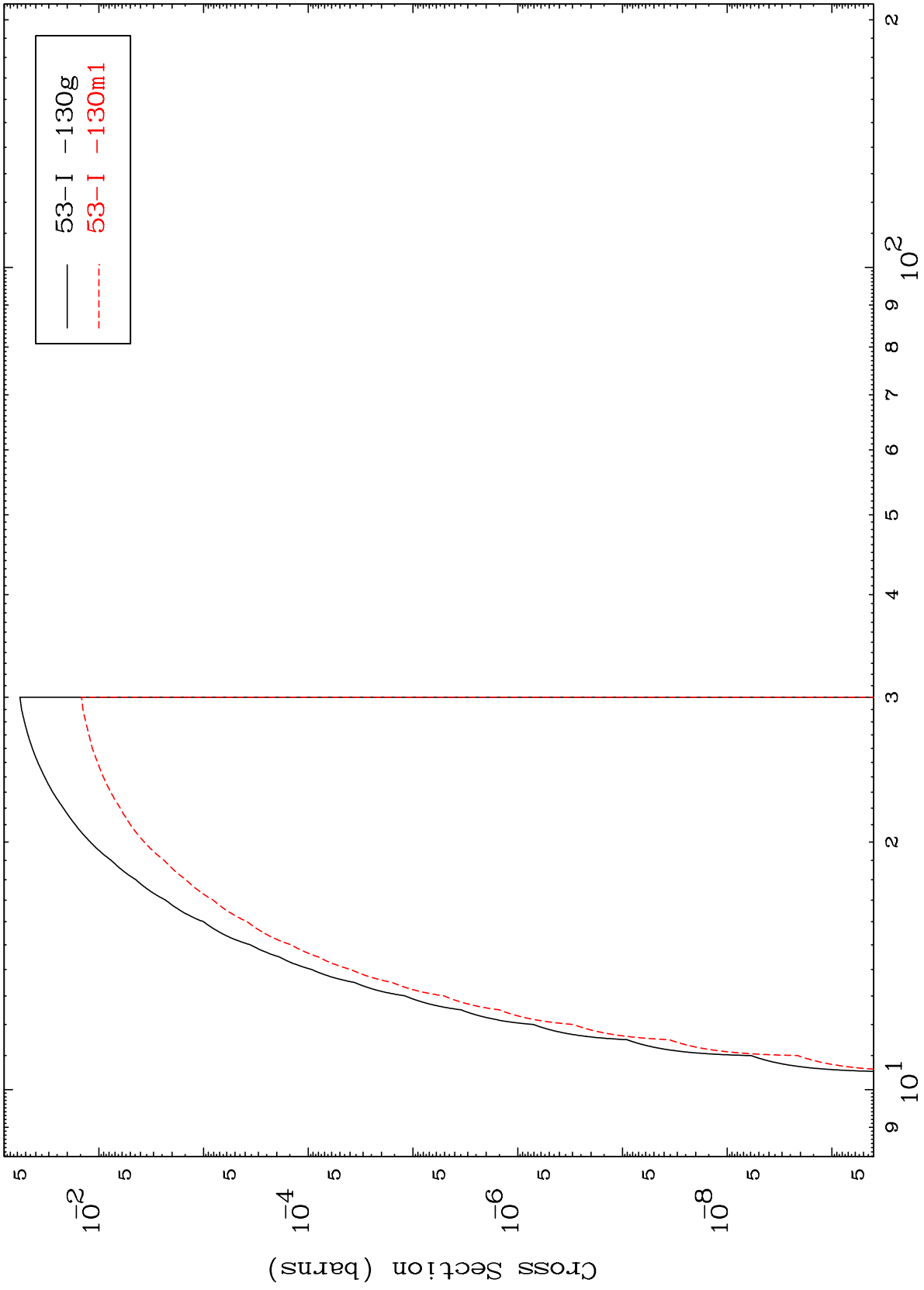
54-Xe-131

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(n,n') p

54-Xe-131

Radionuclide Production Cross Section



23

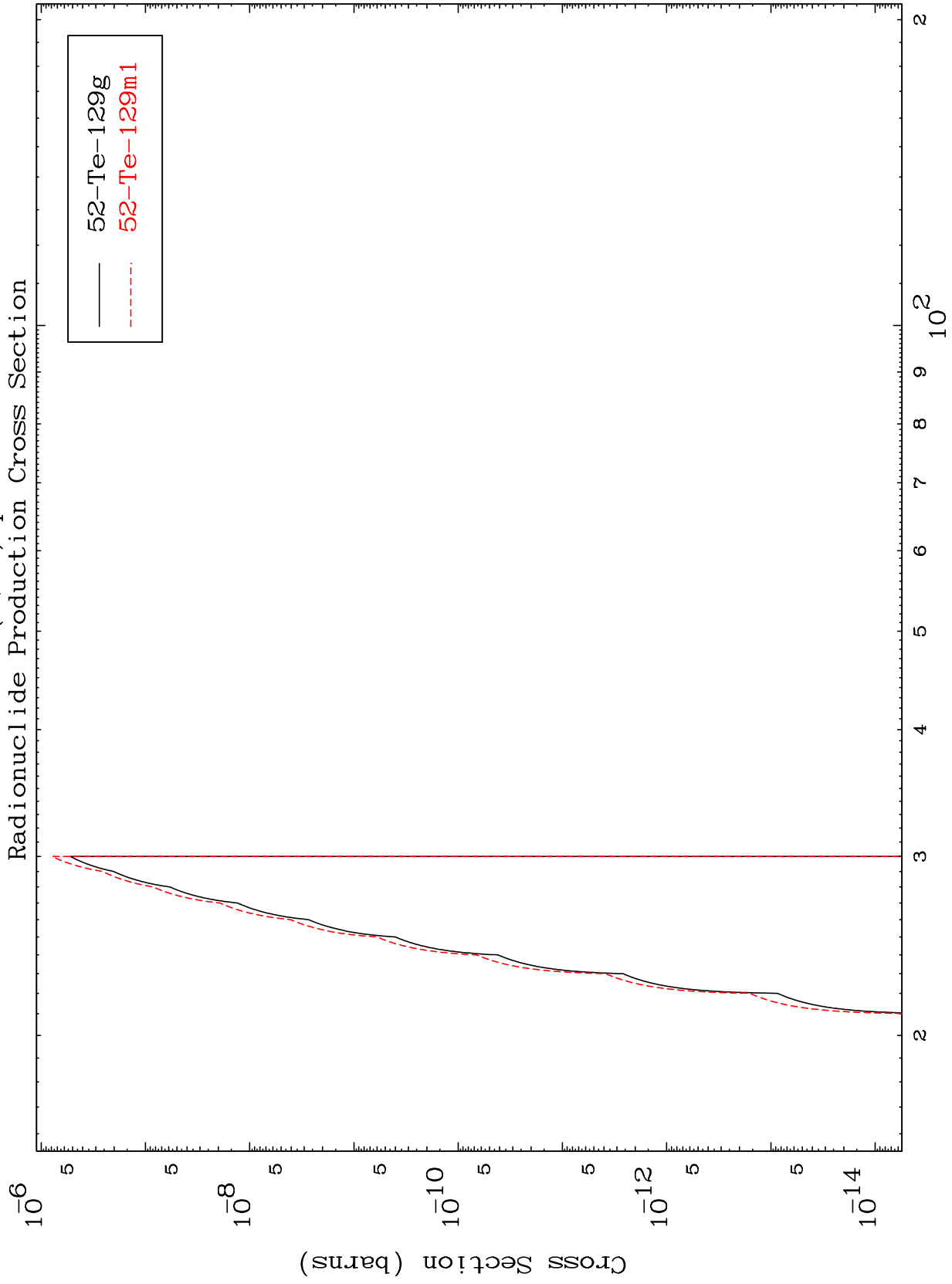
Incident Energy (MeV)

54-Xe-131

MAT 5447

(n,2n) p

54-Xe-131



24

Incident Energy (MeV)

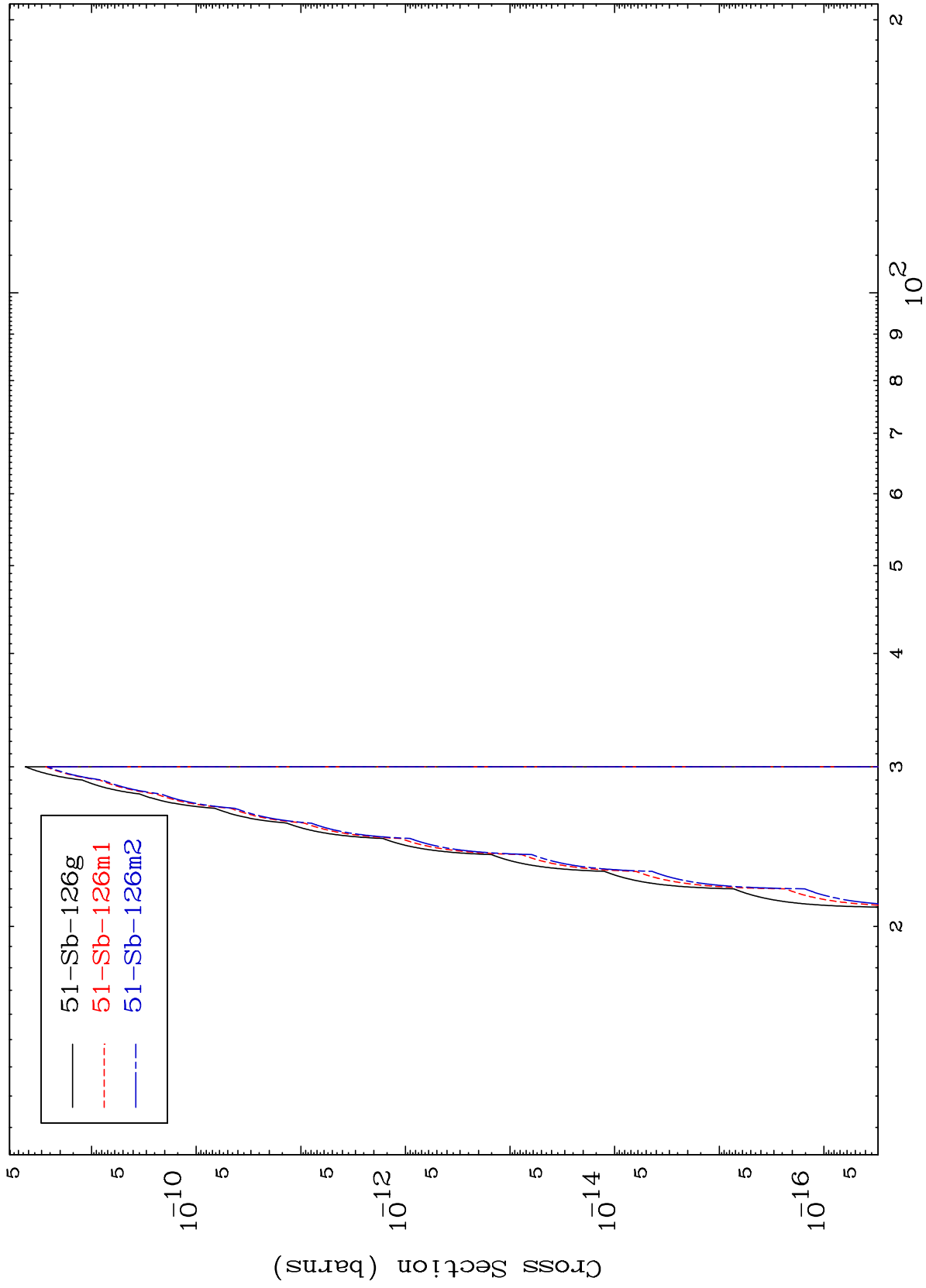
54-Xe-131

MAT 5447

(n,n') p  $\alpha$

54-Xe-131

Radionuclide Production Cross Section



25

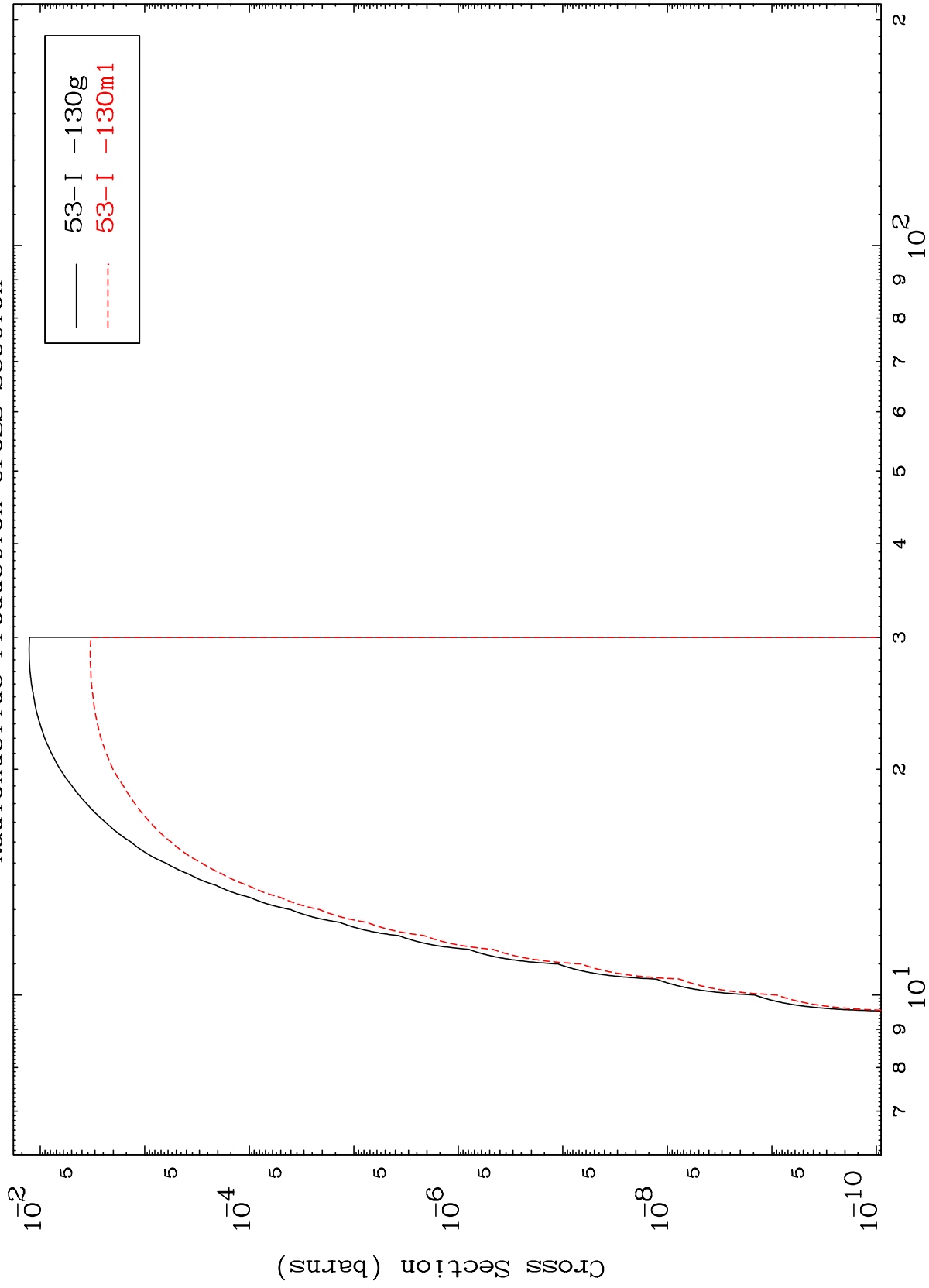
Incident Energy (MeV)

54-Xe-131

MAT 5447

54-Xe-131

(n,d)  
Radionuclide Production Cross Section



26

Incident Energy (MeV)

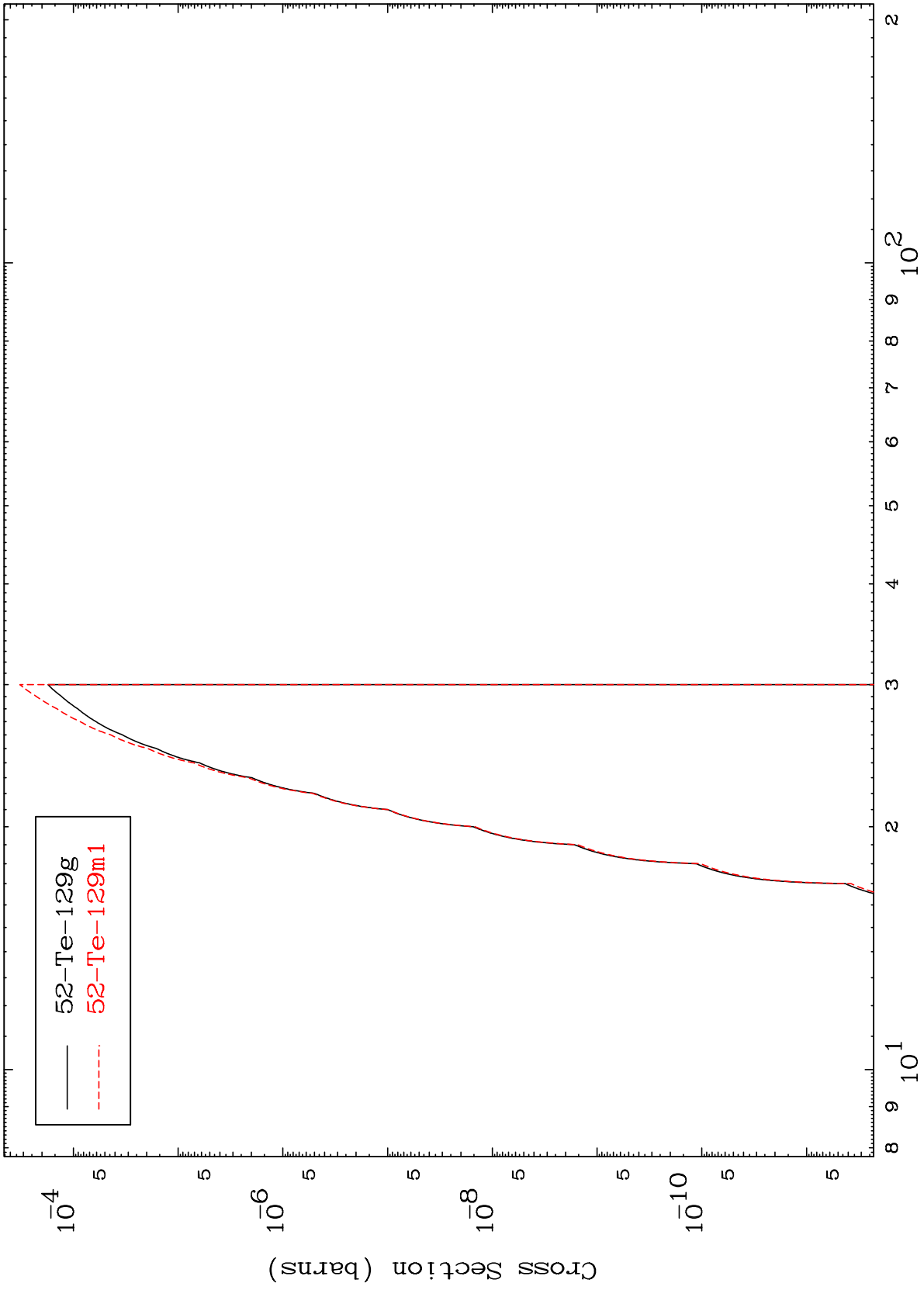
54-Xe-131

MAT 5447

(n, He-3)

54-Xe-131

Radionuclide Production Cross Section



27

Incident Energy (MeV)

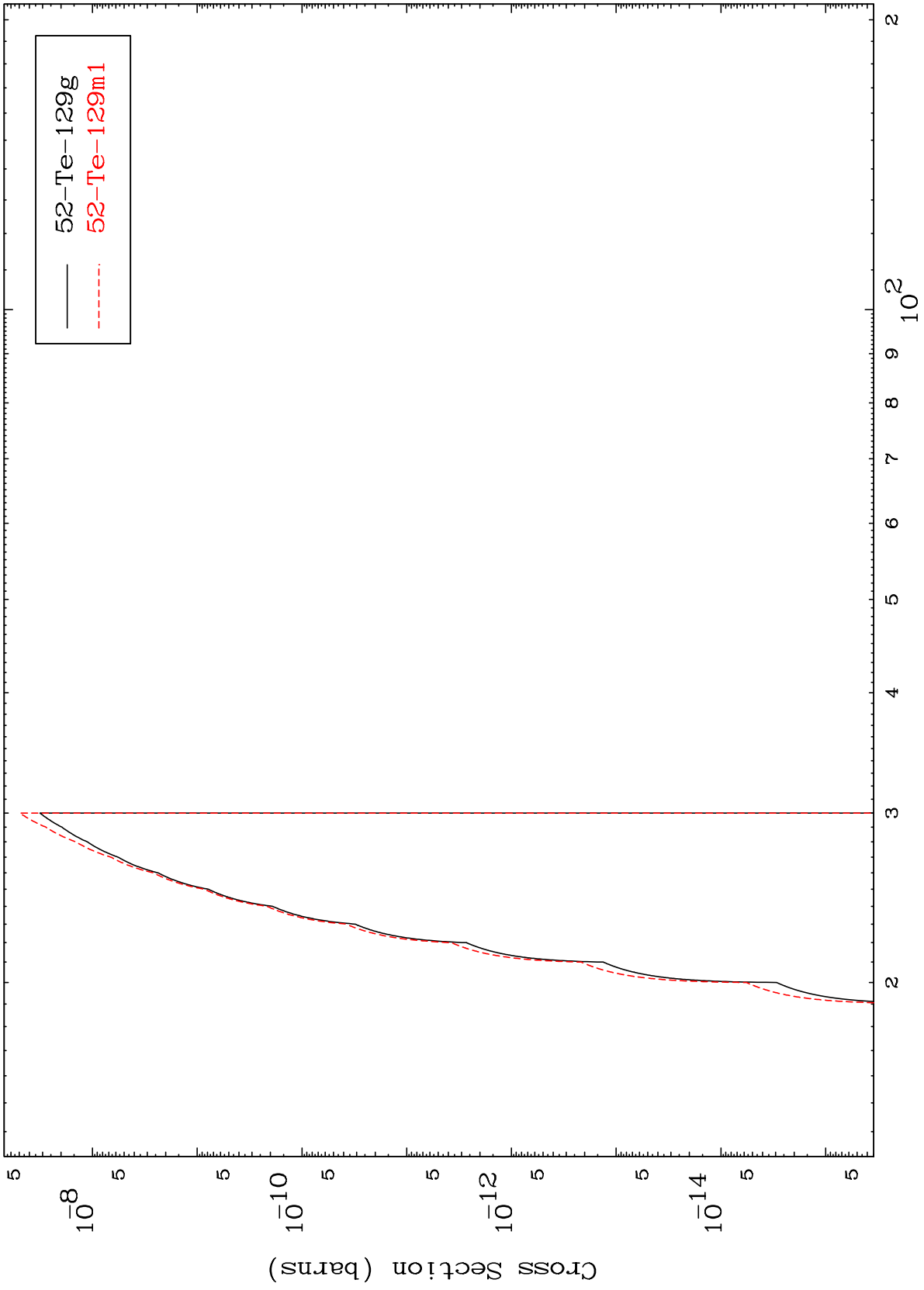
54-Xe-131

MAT 5447

(n,p) d

54-Xe-131

Radionuclide Production Cross Section



28

Incident Energy (MeV)

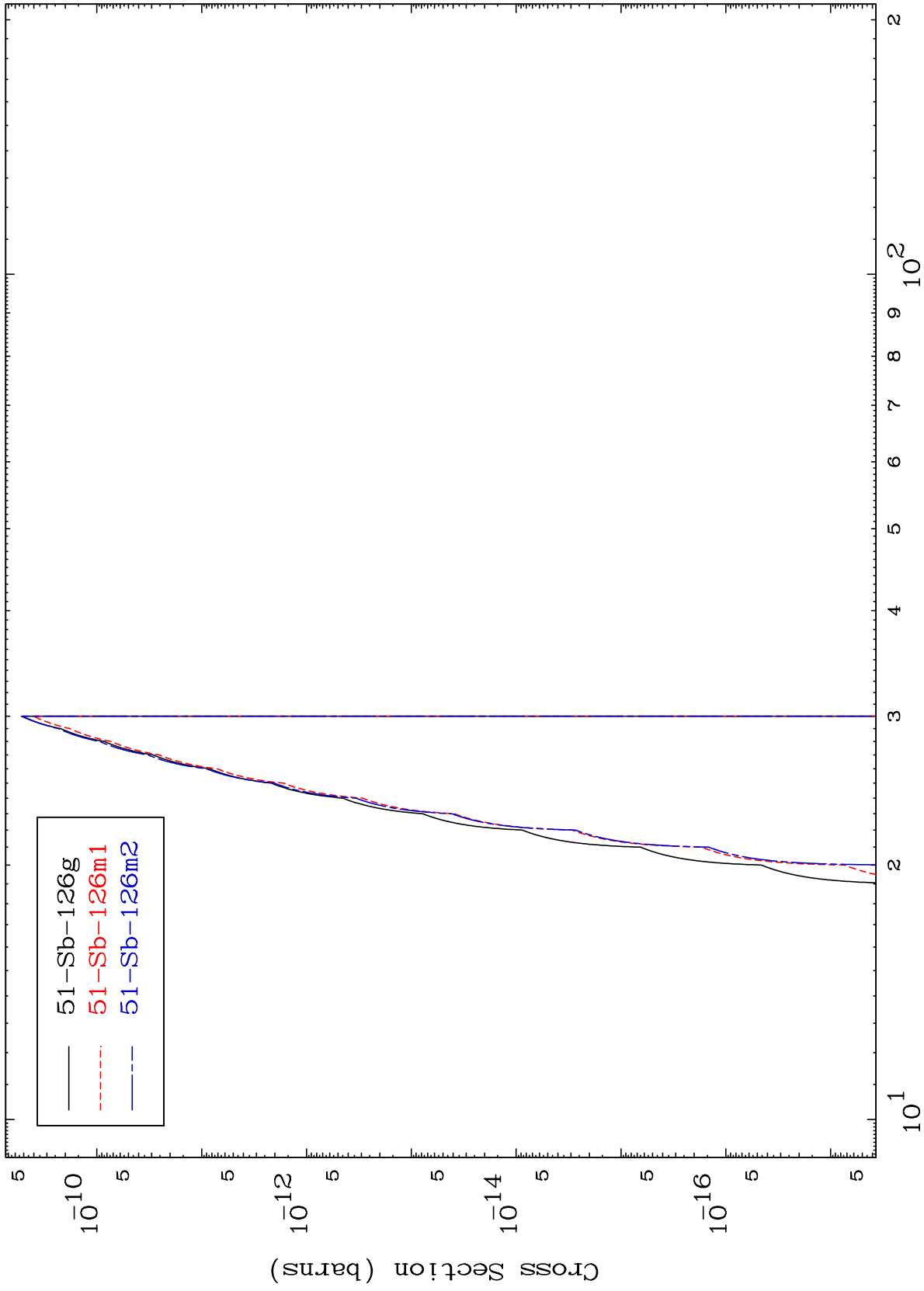
54-Xe-131

MAT 5447

(n,d)  $\alpha$

54-Xe-131

Radionuclide Production Cross Section



29

Incident Energy (MeV)

54-Xe-131