

Program EVALPLOT  
(Version 2017-1)

by

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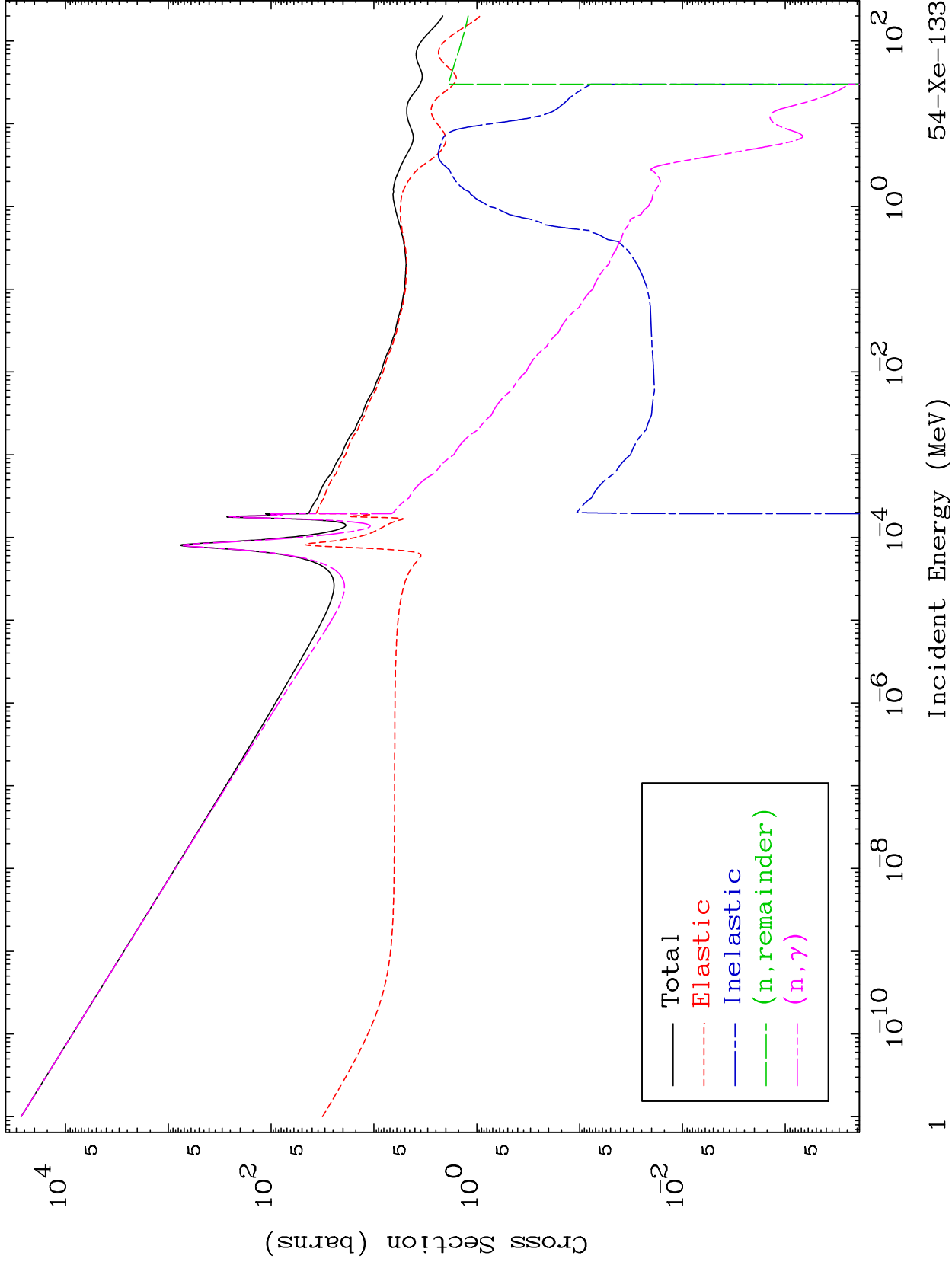
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5453

Major  
293 Kelvin Cross Sections

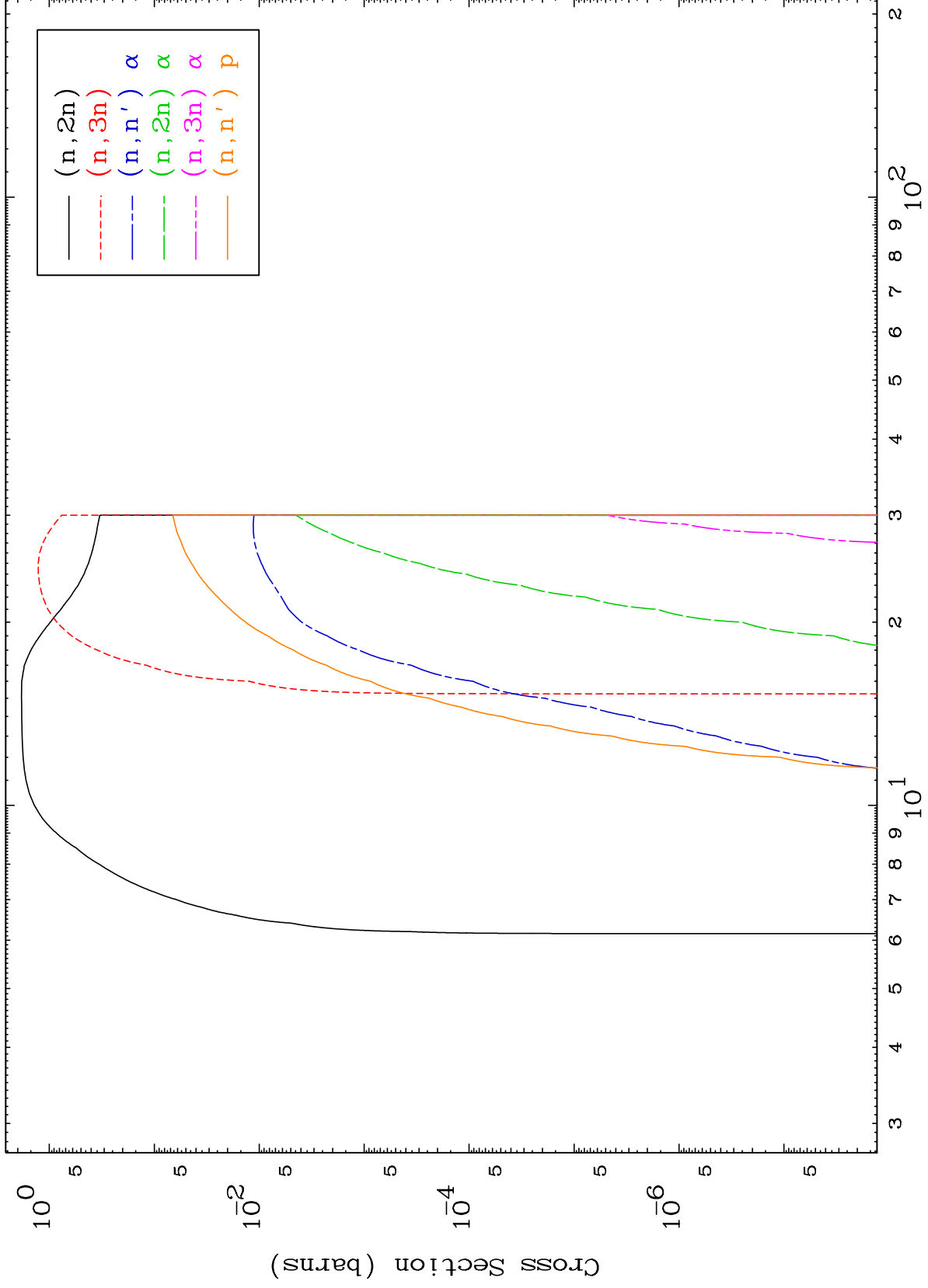
54-Xe-133



MAT 5453

Neutron Production  
293 Kelvin Cross Sections

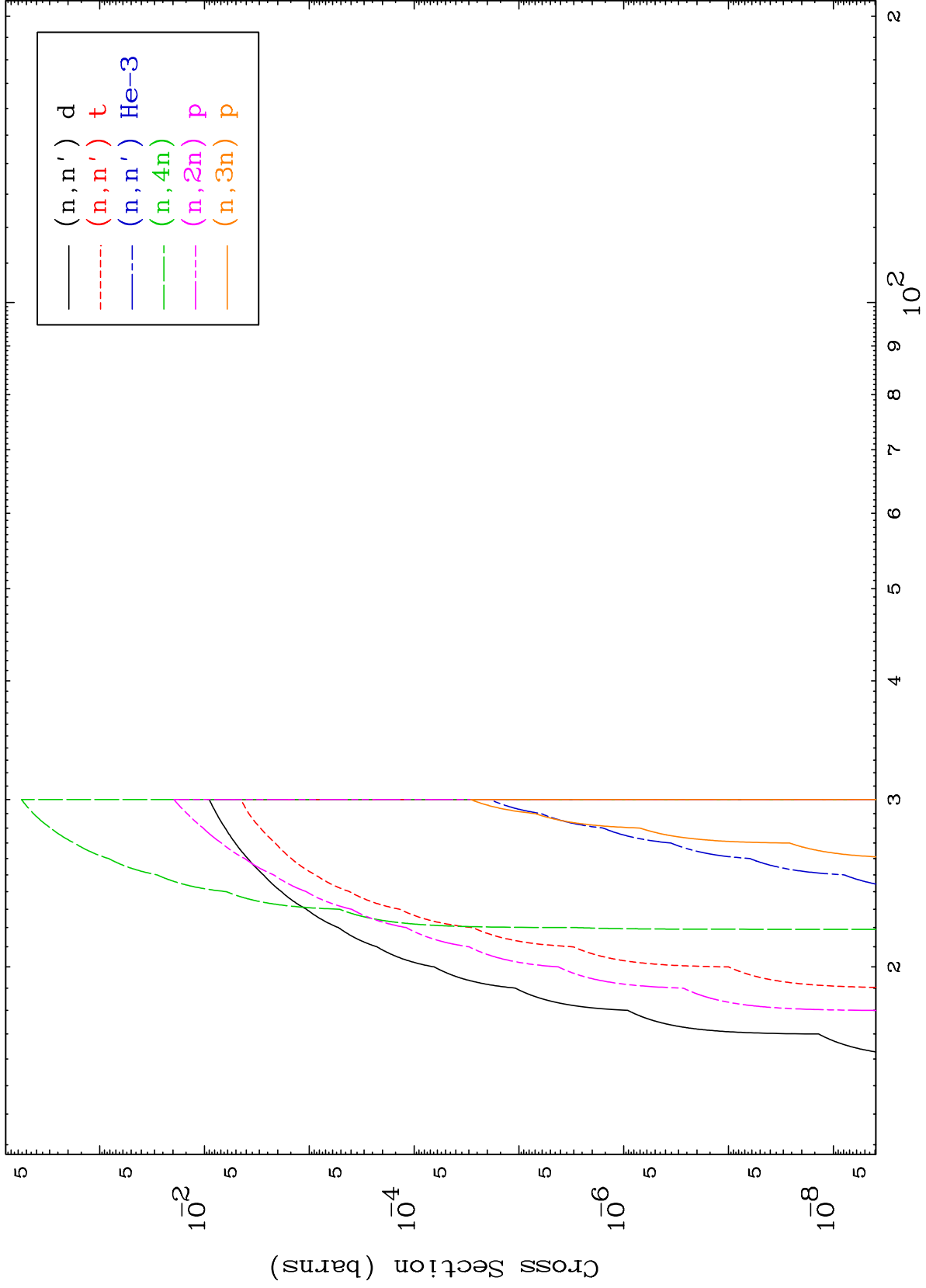
54-Xe-133



2

Incident Energy (MeV)

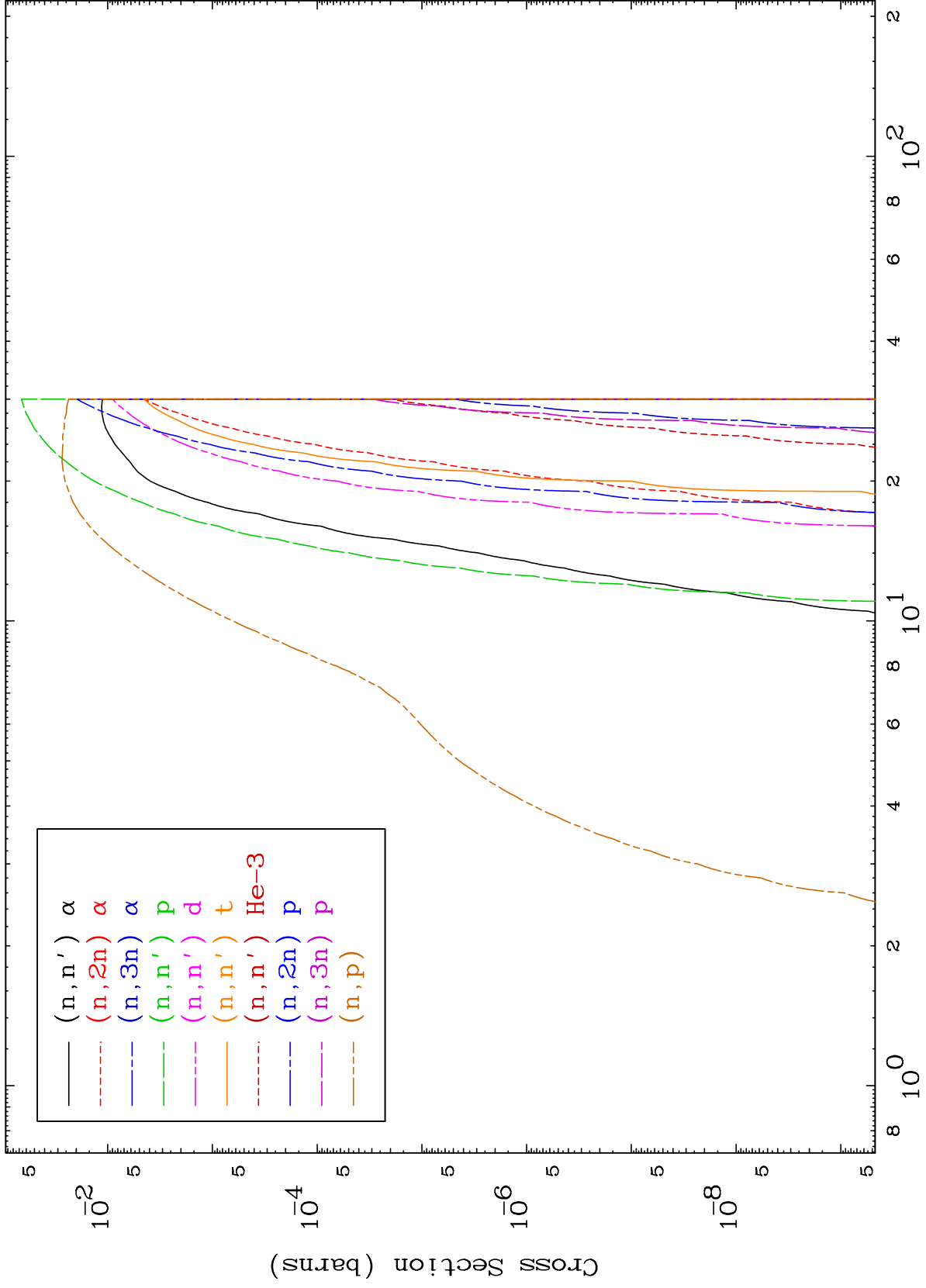
54-Xe-133



MAT 5453

Charged Particle  
293 Kelvin Cross Sections

54-Xe-133



4

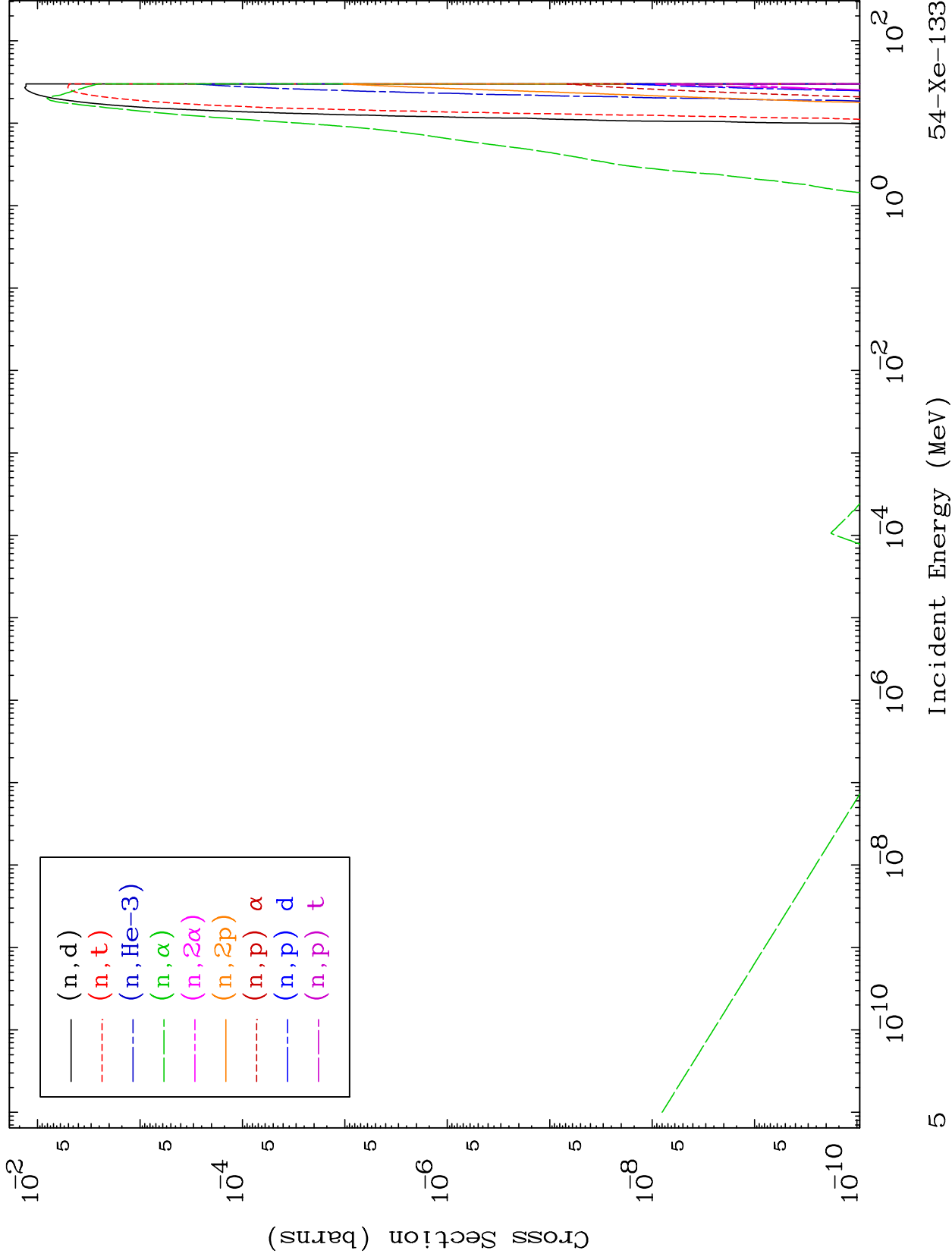
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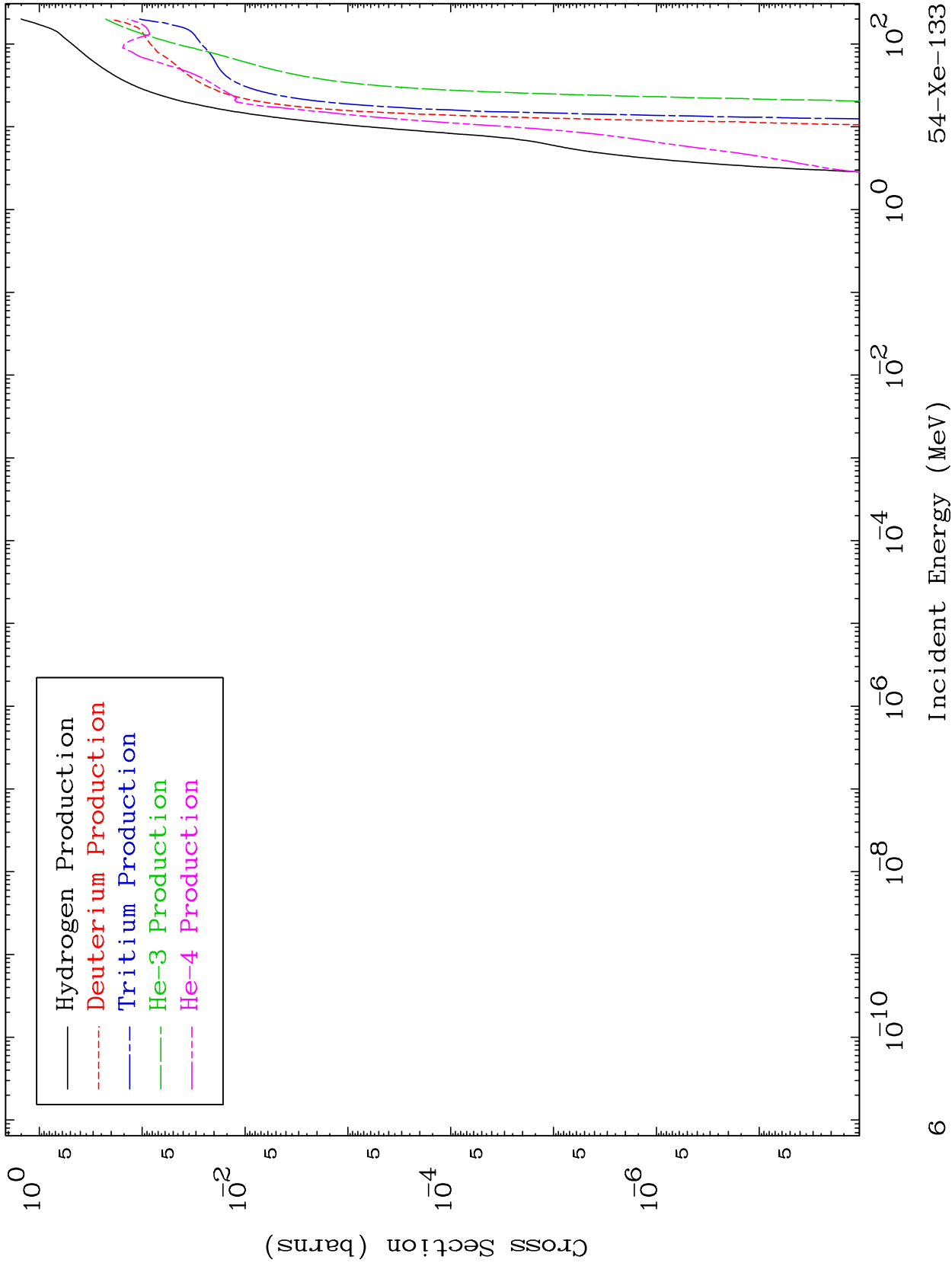
54-Xe-133

MAT 5453

Charged Particle  
293 Kelvin Cross Sections

54-Xe-133

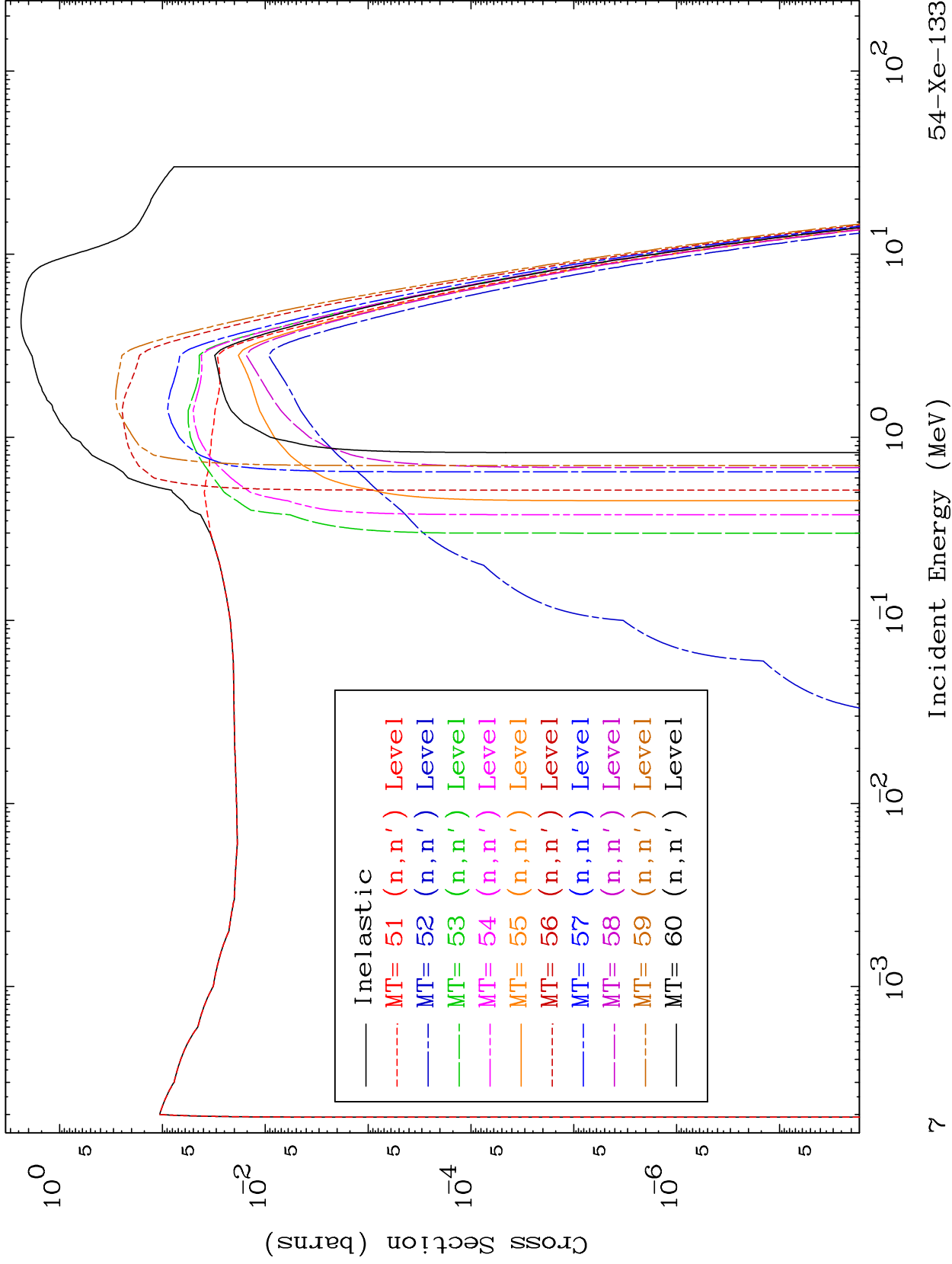




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(n,n') Level  
293 Kelvin Cross Sections

54-Xe-133



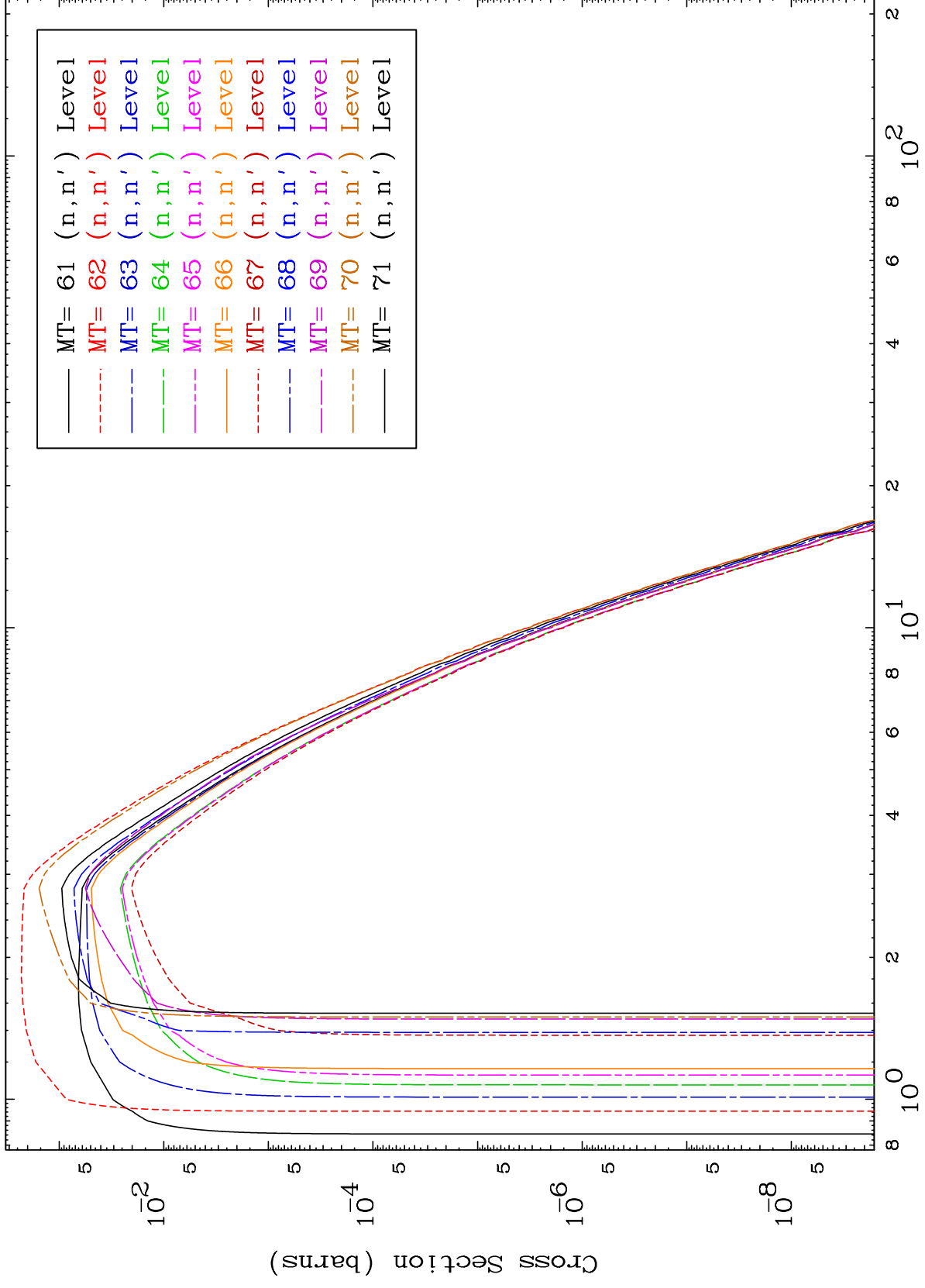


MAT 5453

(n,n') Level

54-Xe-133

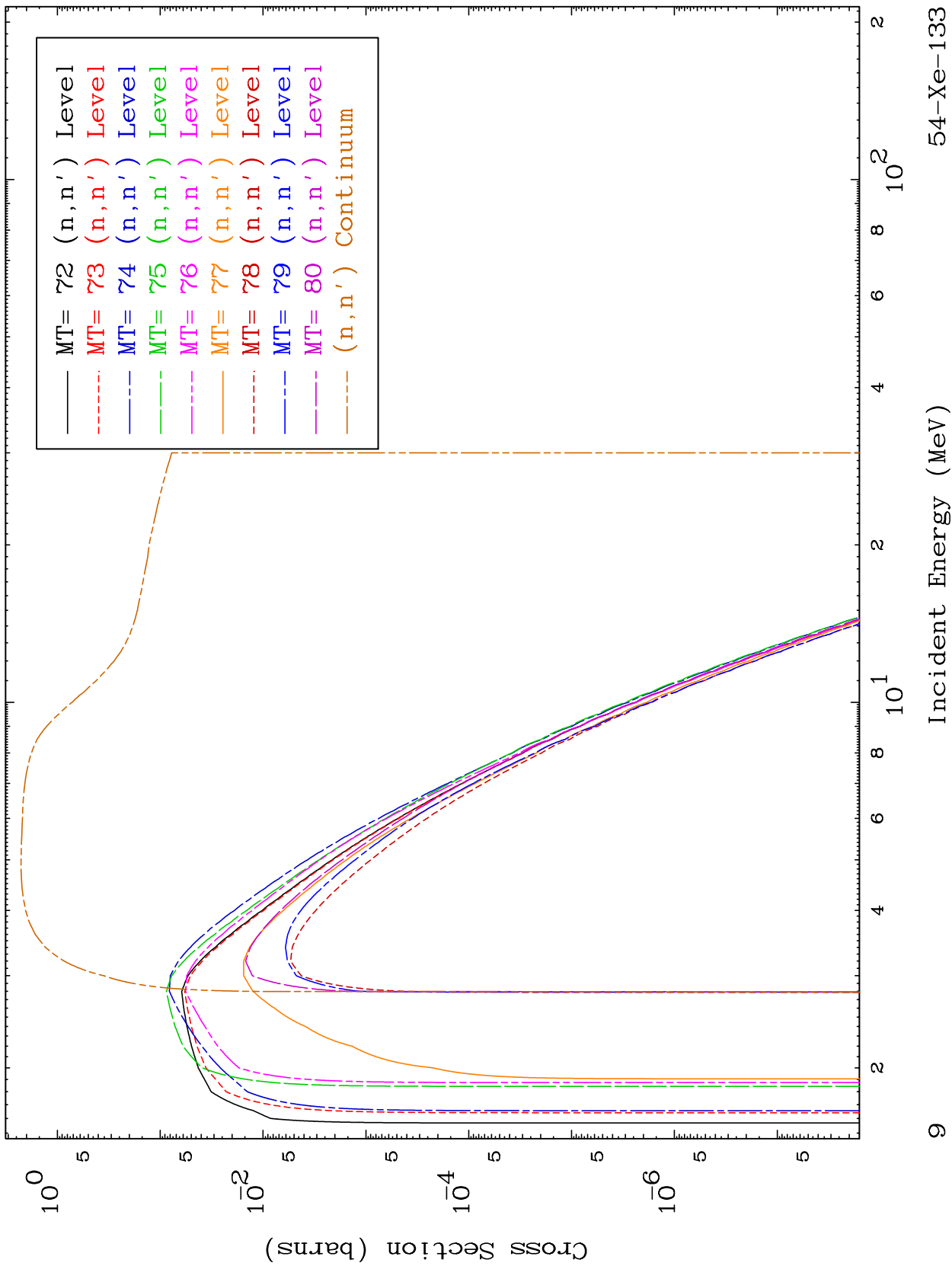
293 Kelvin Cross Sections



Incident Energy (MeV)

54-Xe-133

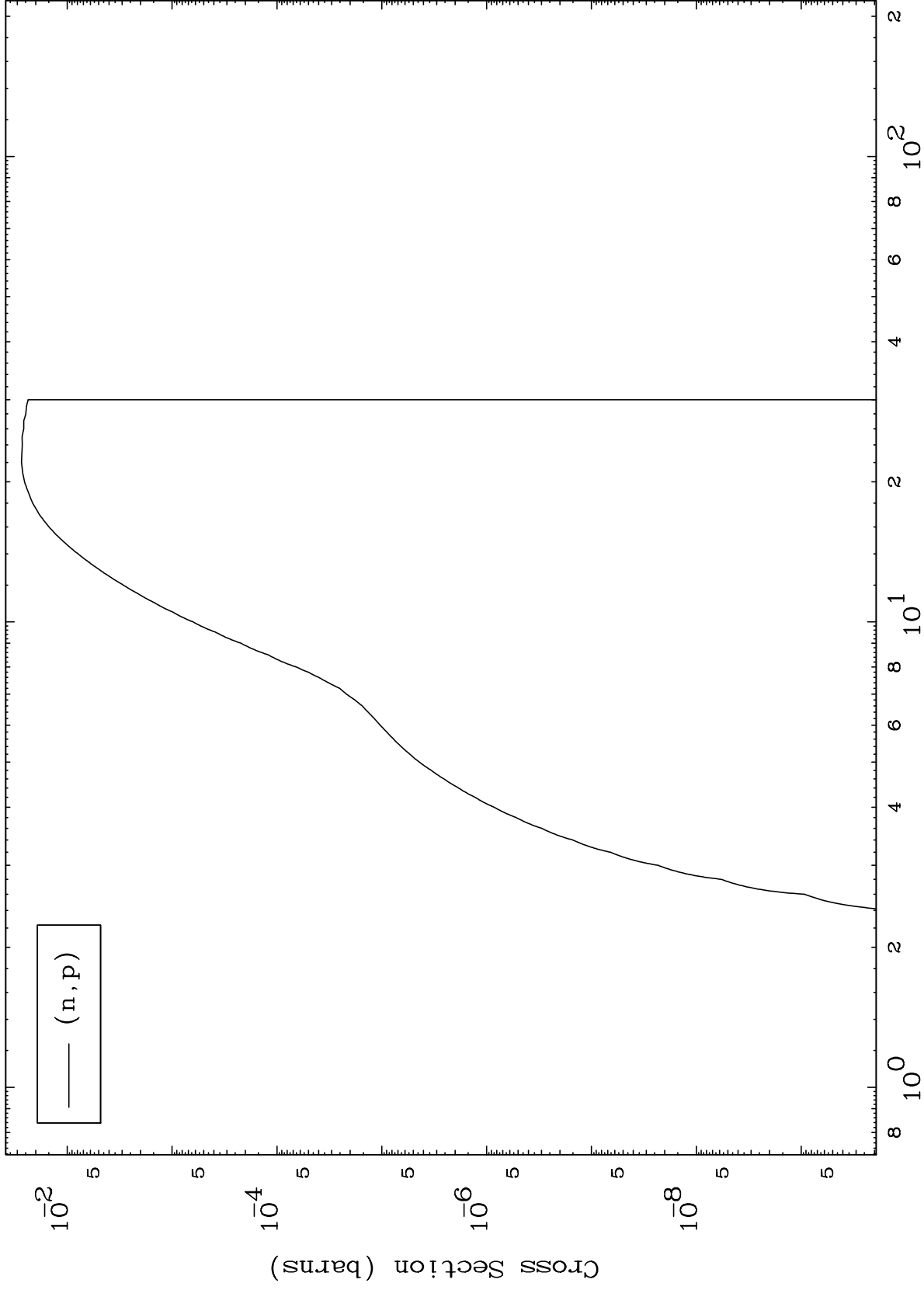
293 Kelvin Cross Sections



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(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-133



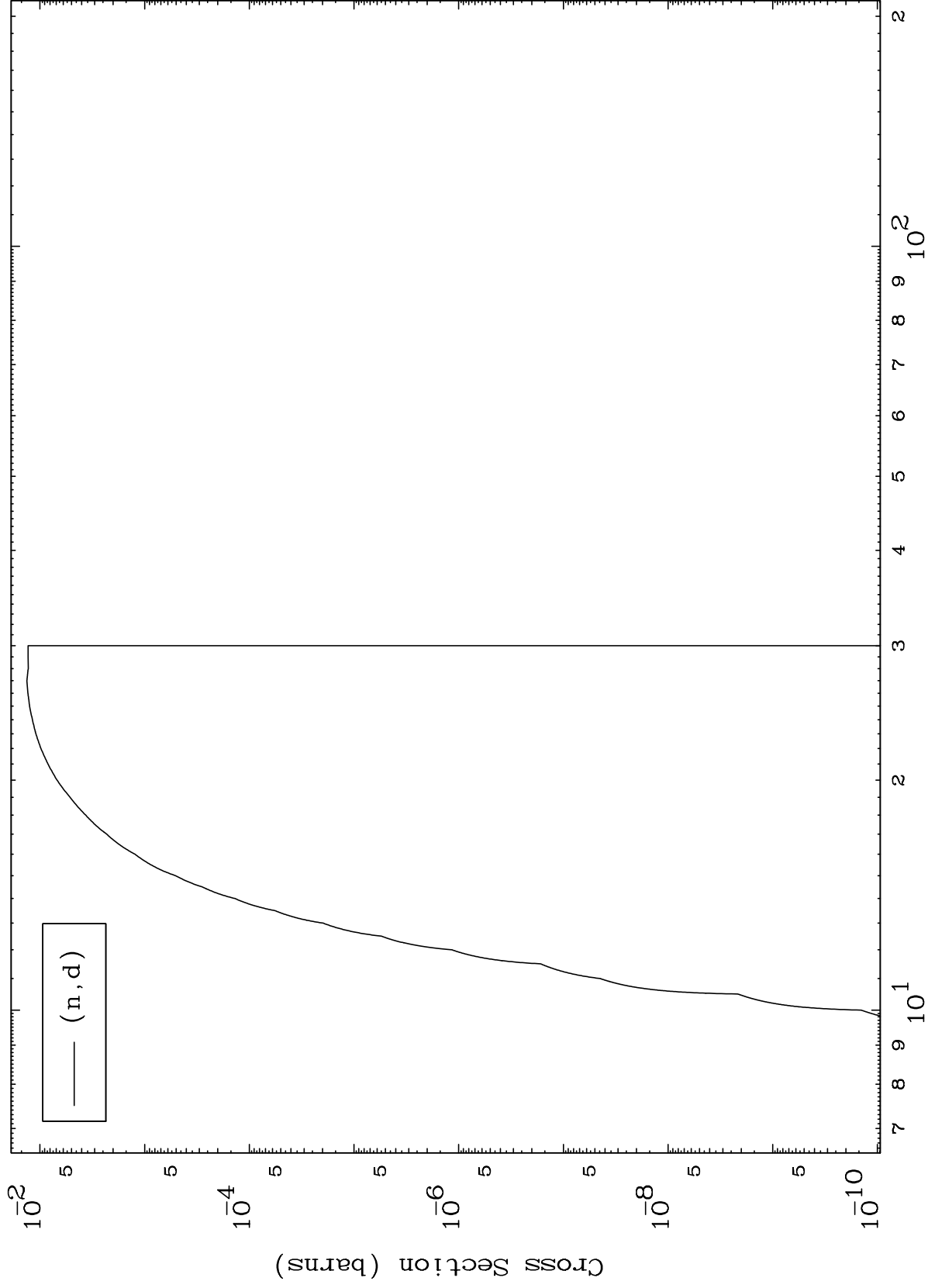
Incident Energy (MeV)

54-Xe-133

MAT 5453

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-133



11

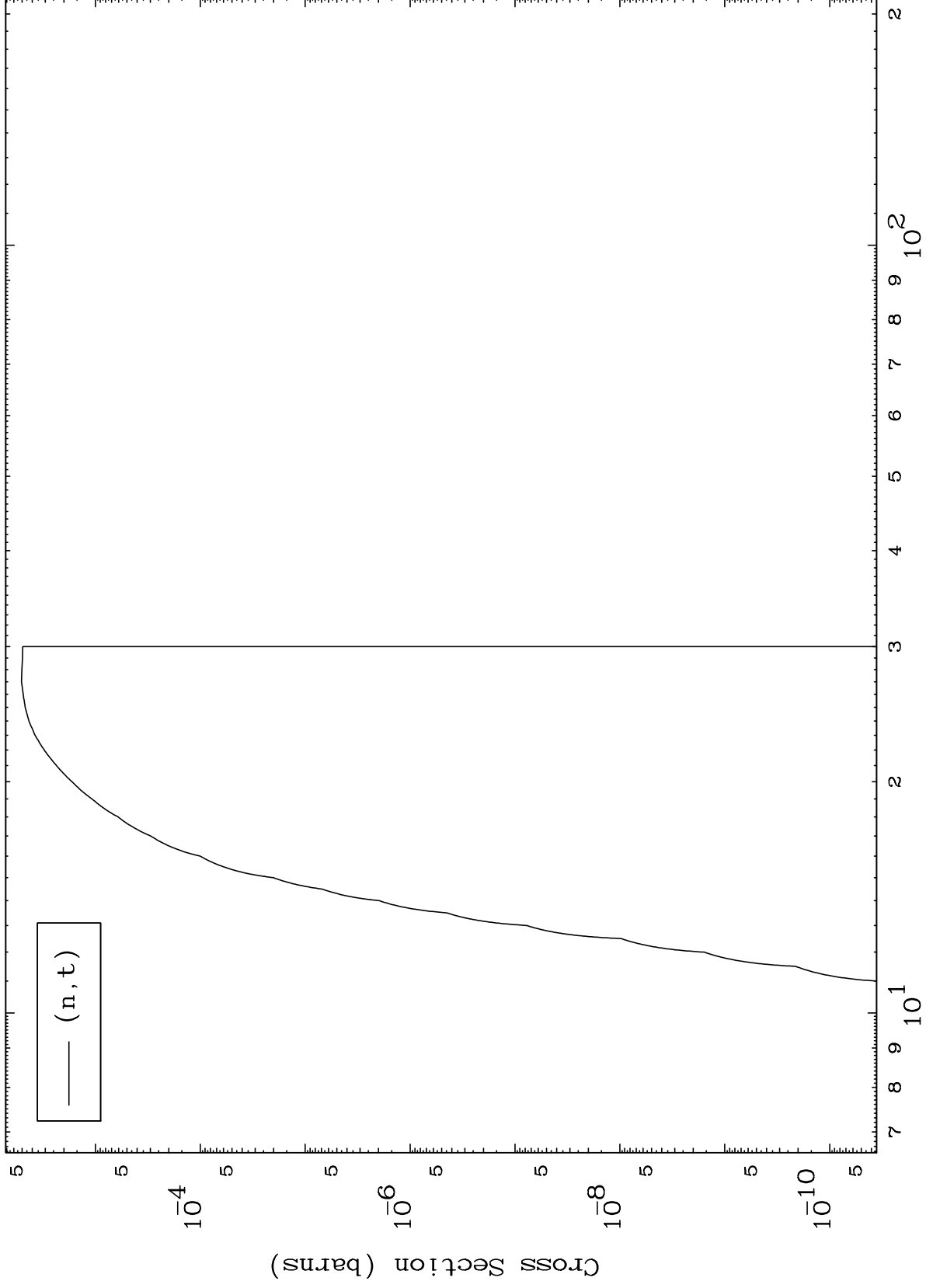
Incident Energy (MeV)

54-Xe-133

MAT 5453

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-133



12

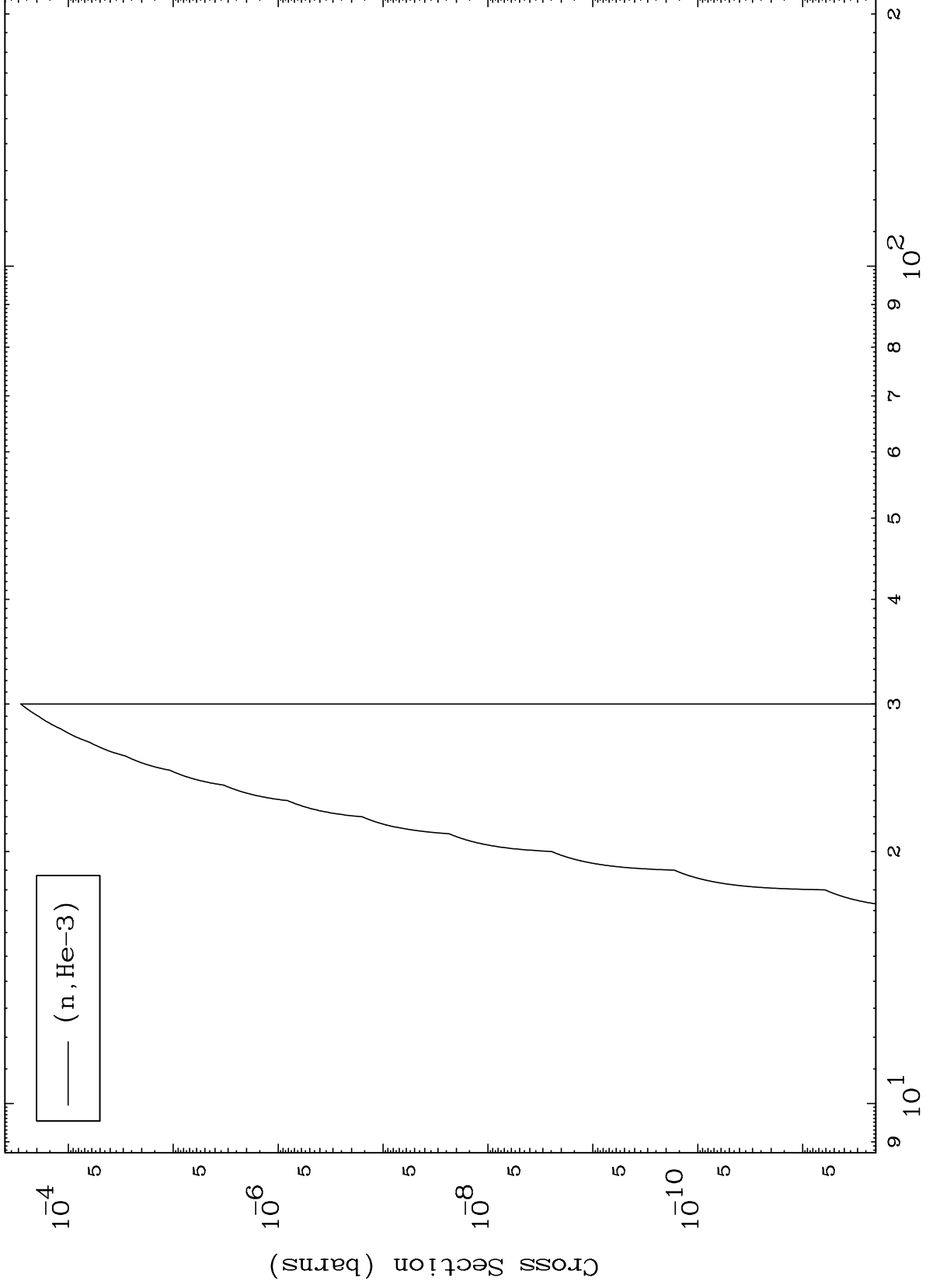
Incident Energy (MeV)

54-Xe-133

MAT 5453

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-133



13

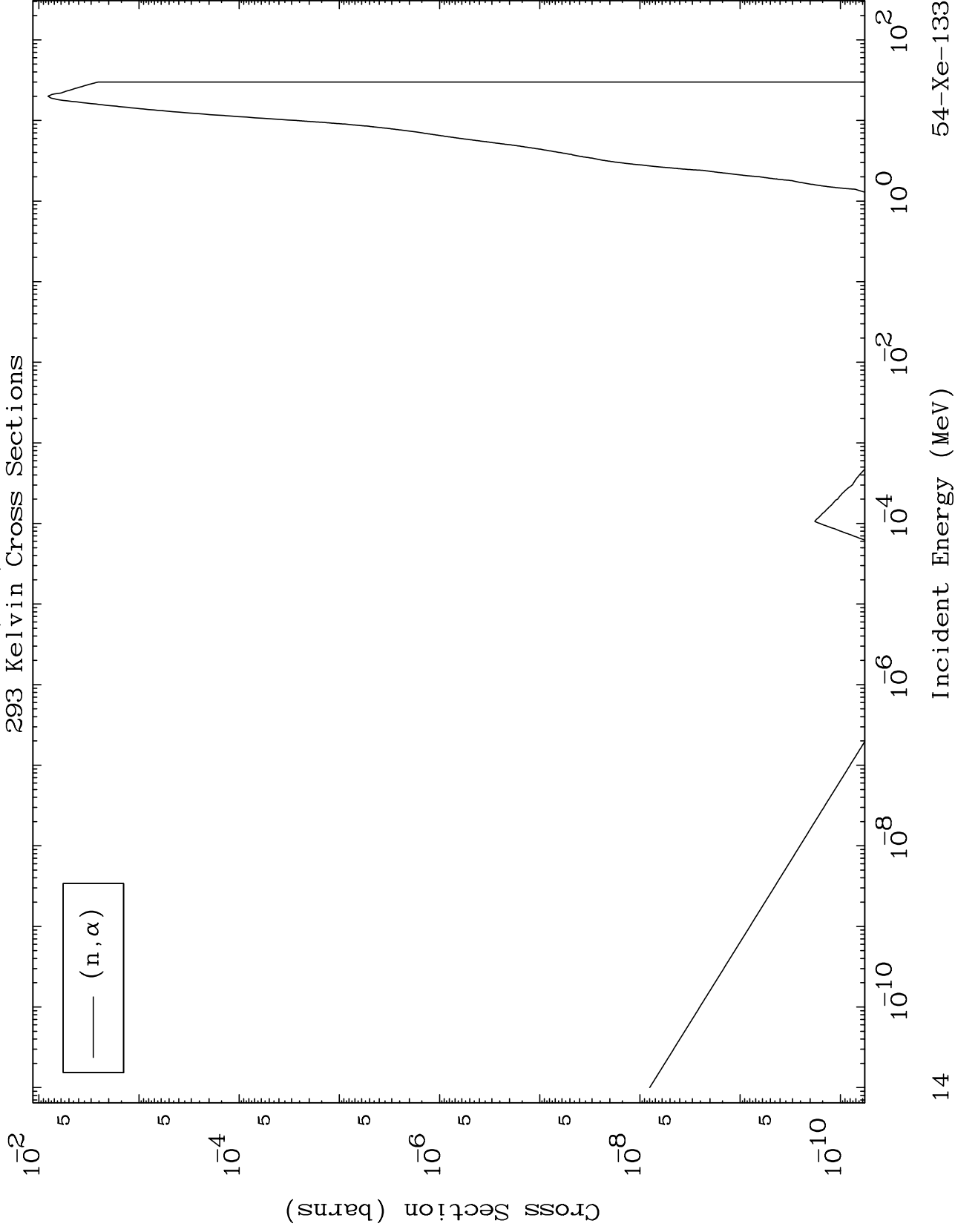
Incident Energy (MeV)

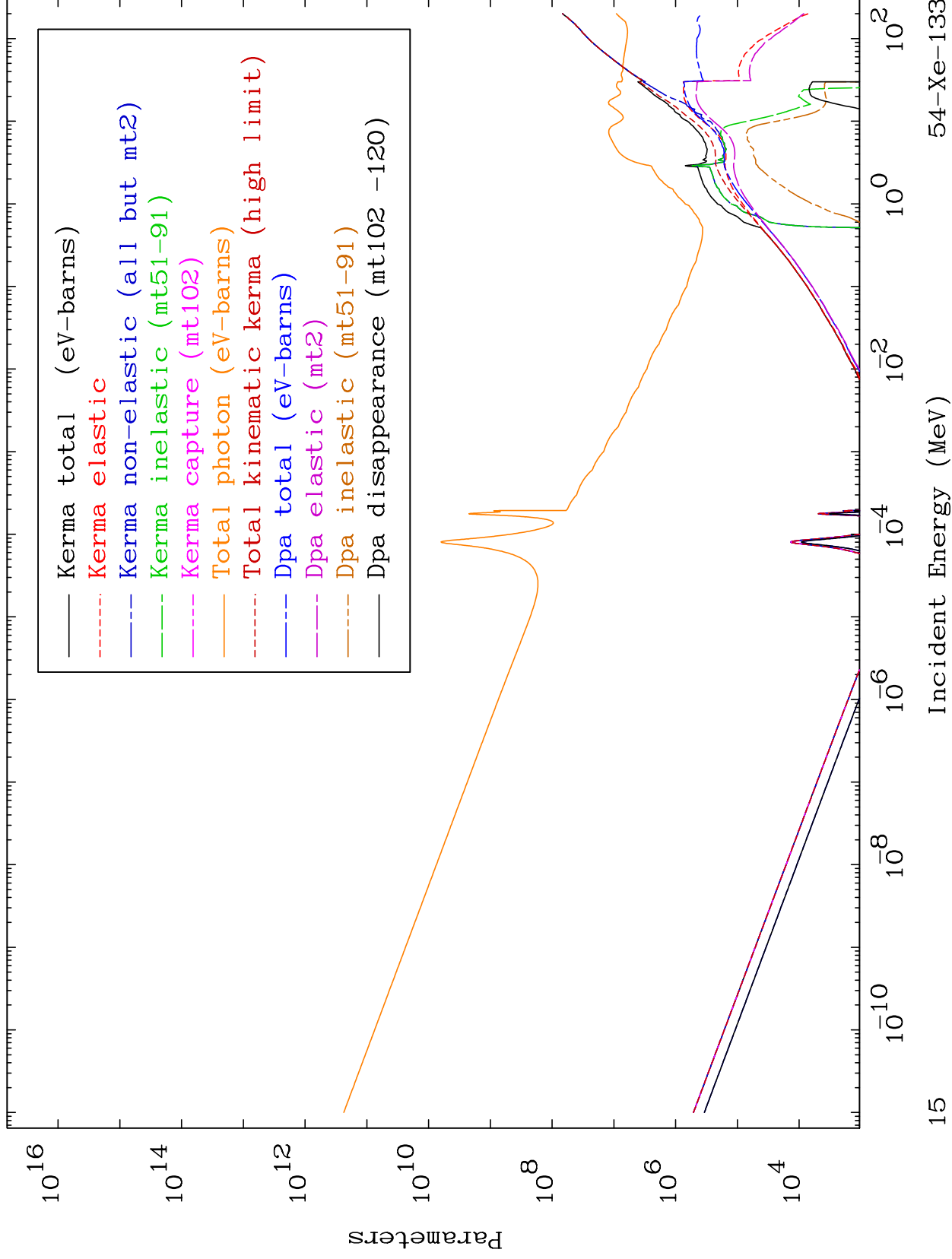
54-Xe-133

MAT 5453

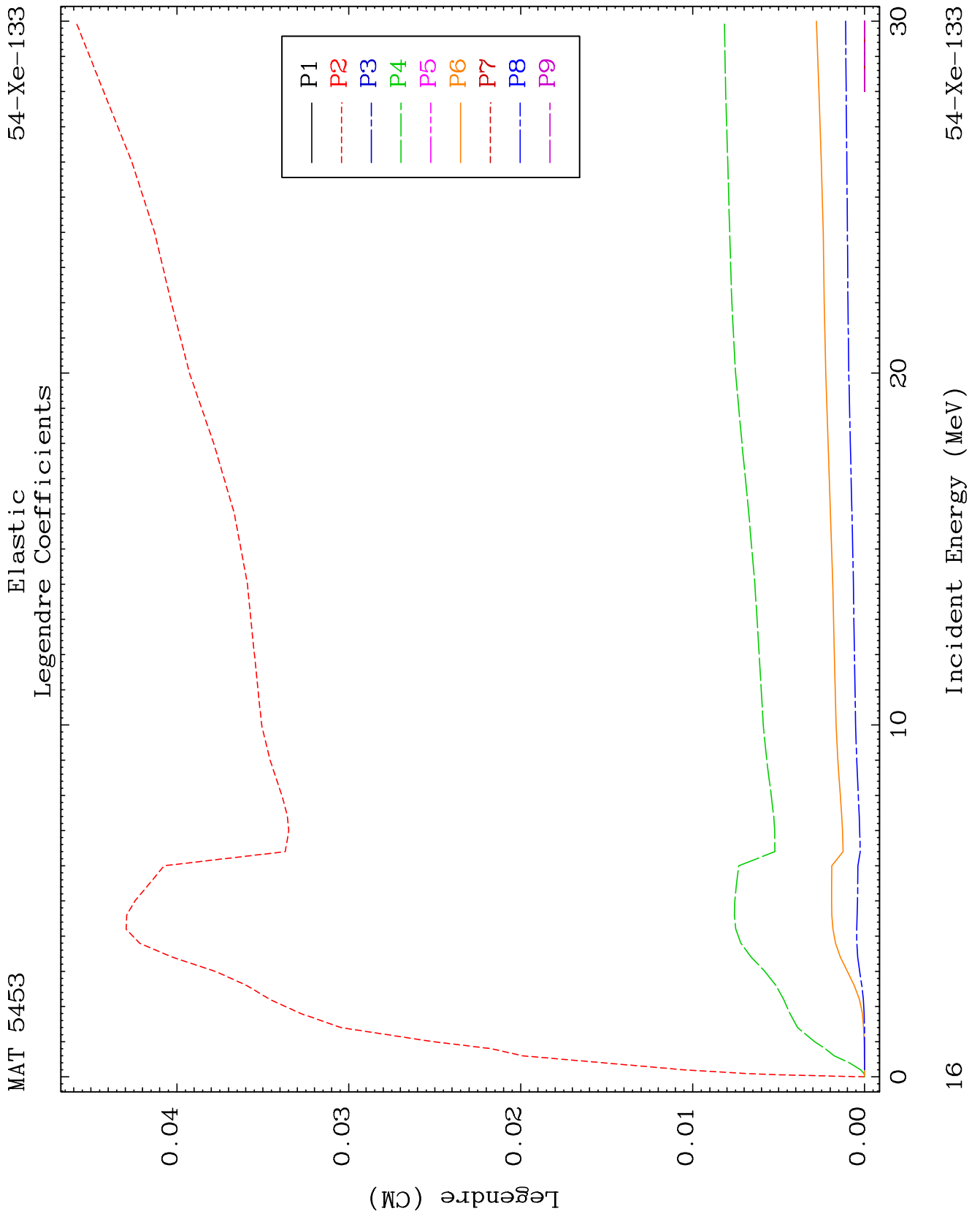
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

54-Xe-133





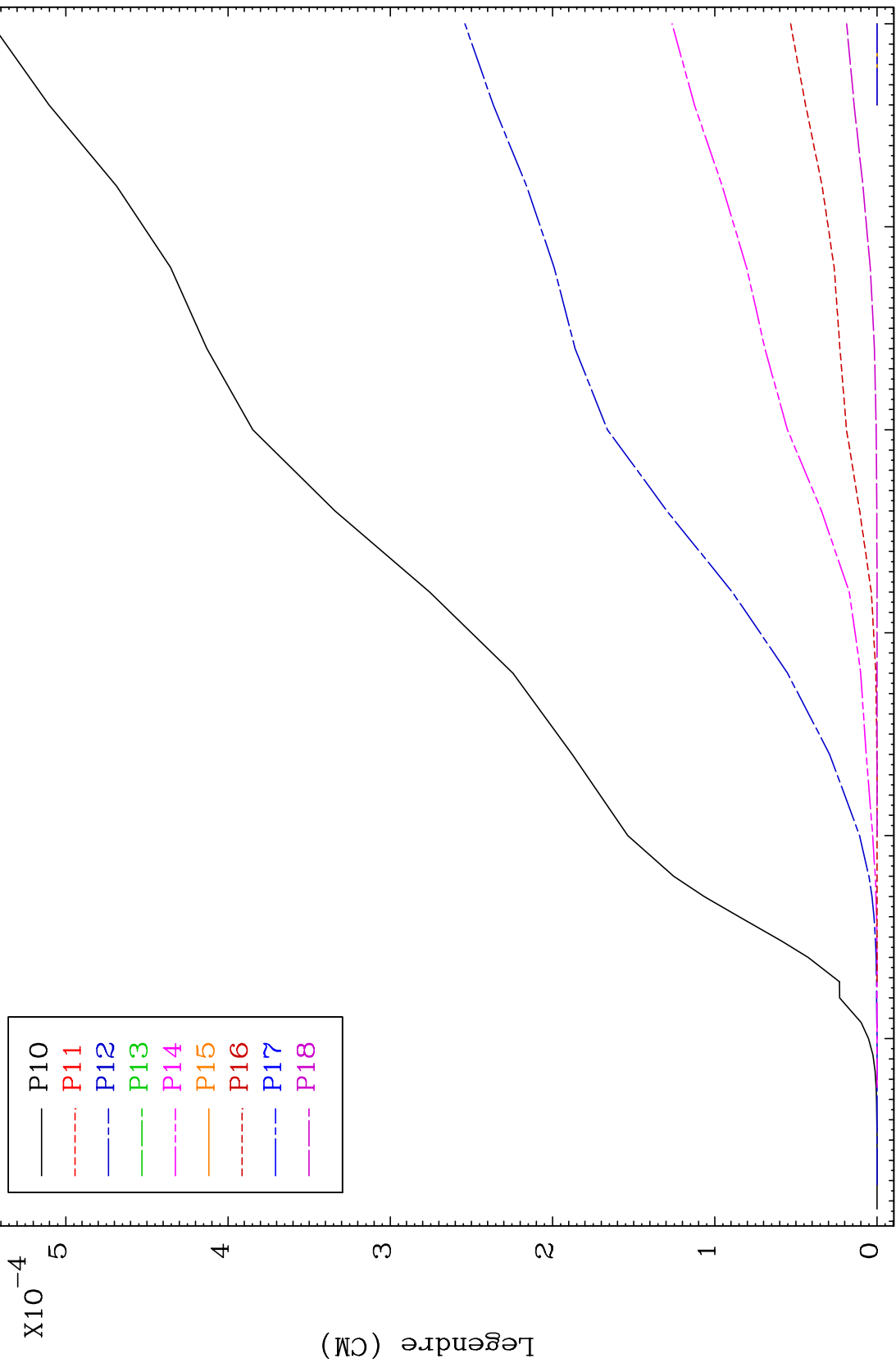
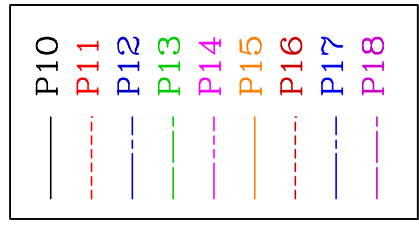




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Elastic Legendre Coefficients

54-Xe-133



17

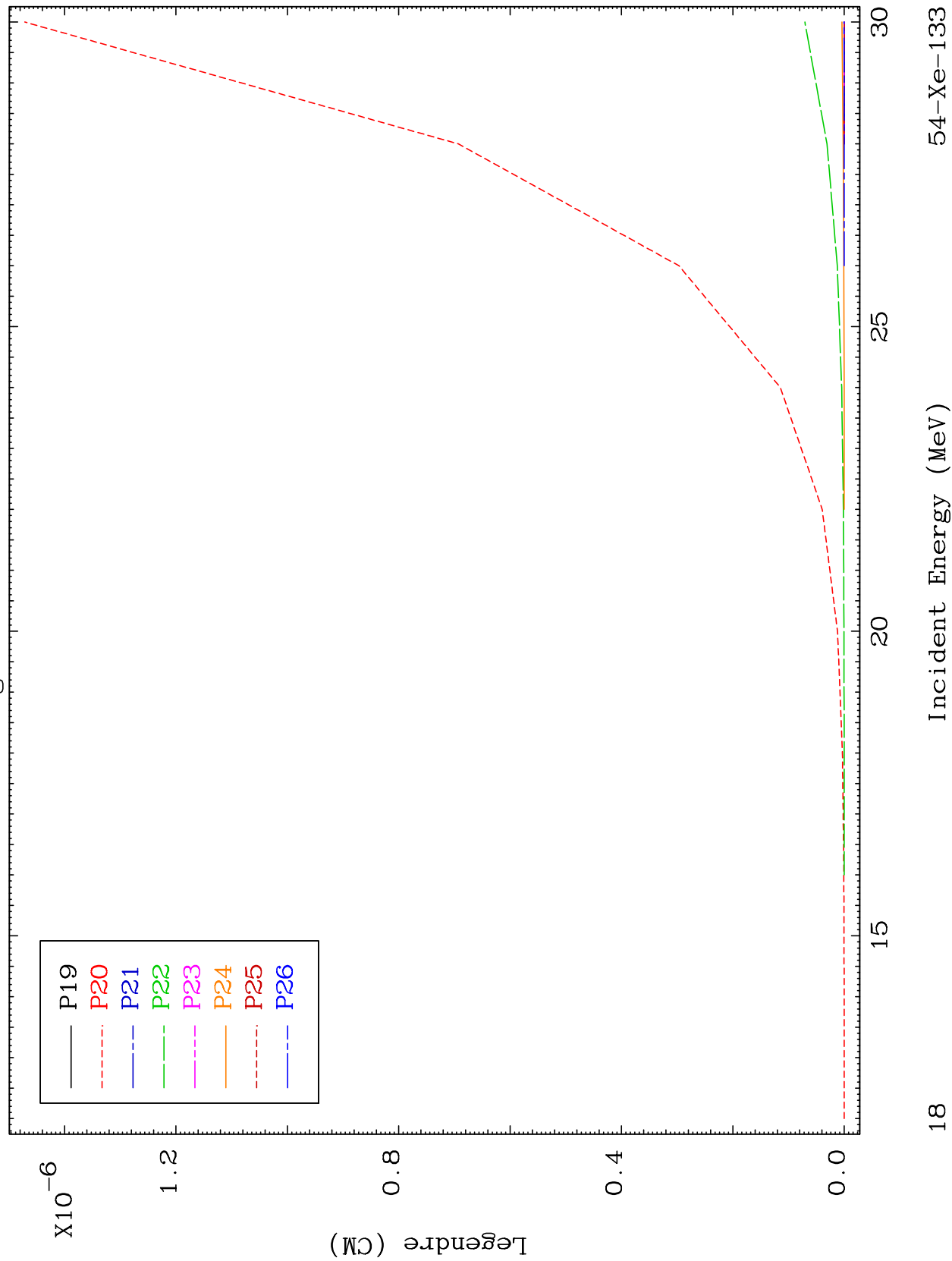
Incident Energy (MeV)

54-Xe-133

MAT 5453

Elastic Legendre Coefficients

54-Xe-133



18

Incident Energy (MeV)

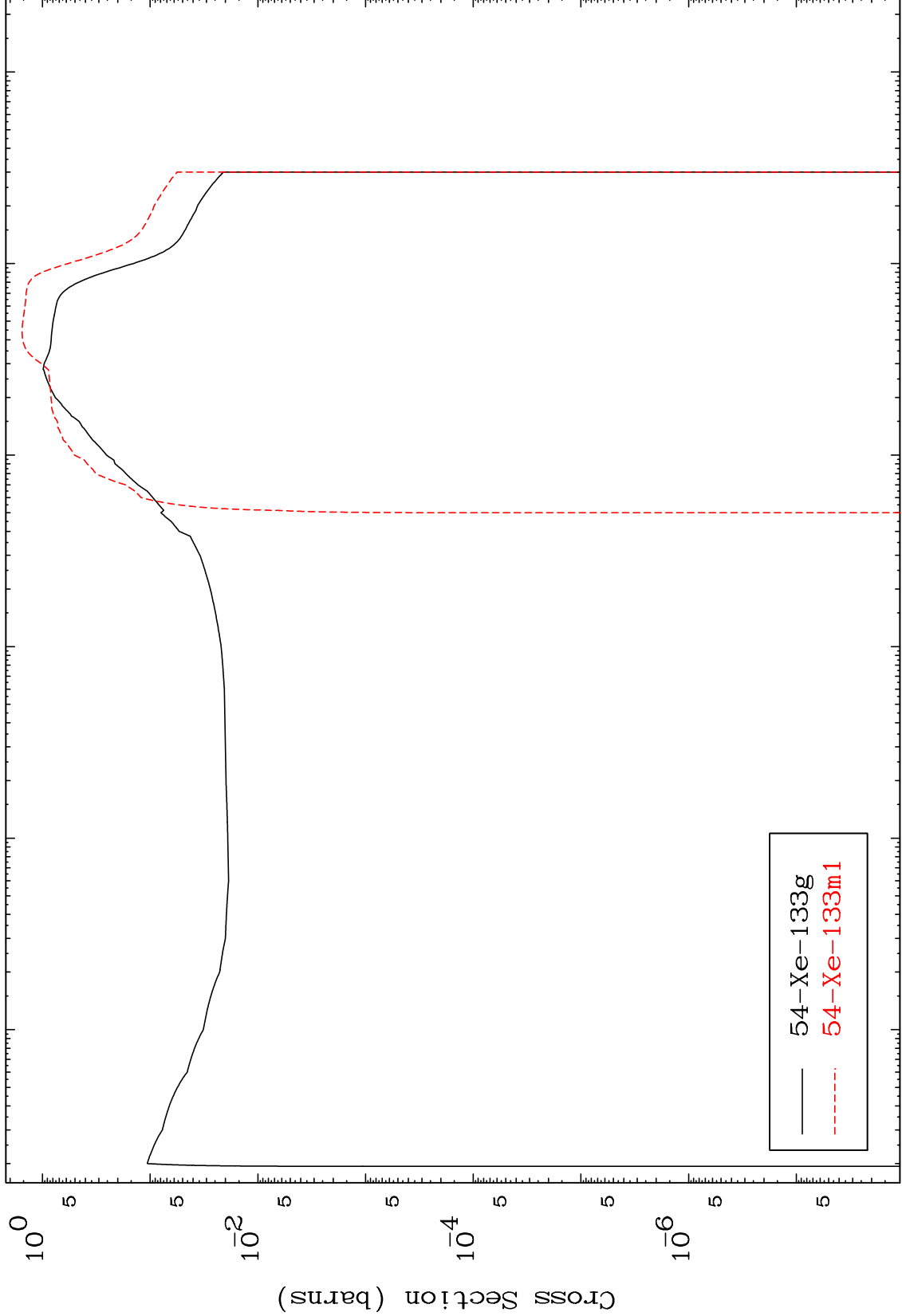
54-Xe-133

MAT 5453

54-Xe-133

Inelastic

Radionuclide Production Cross Section



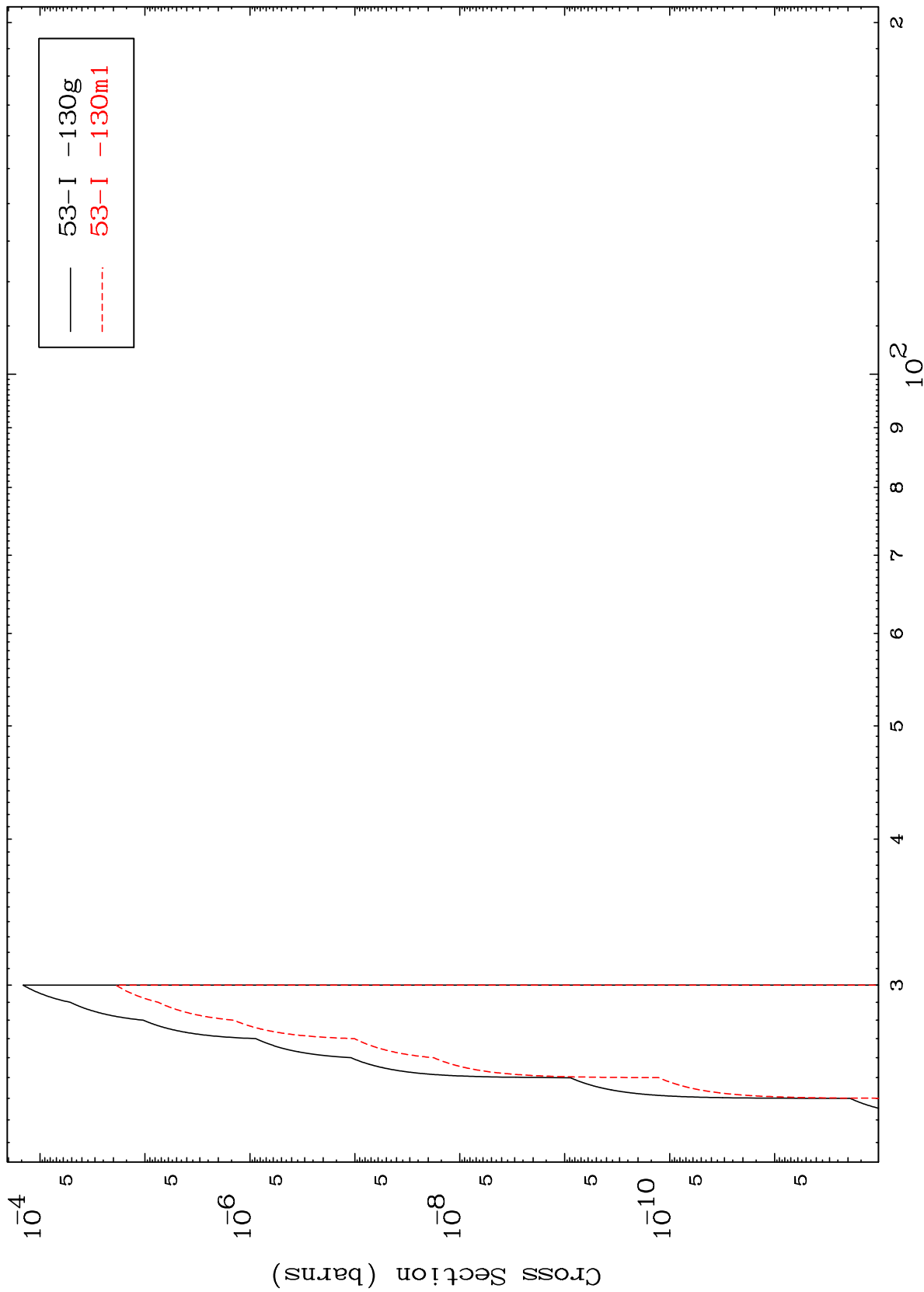
— 54-Xe-133g  
- - - 54-Xe-133m1

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(n,2n) d

54-Xe-133

Radionuclide Production Cross Section



53-I - 130g  
53-I - 130m1

20

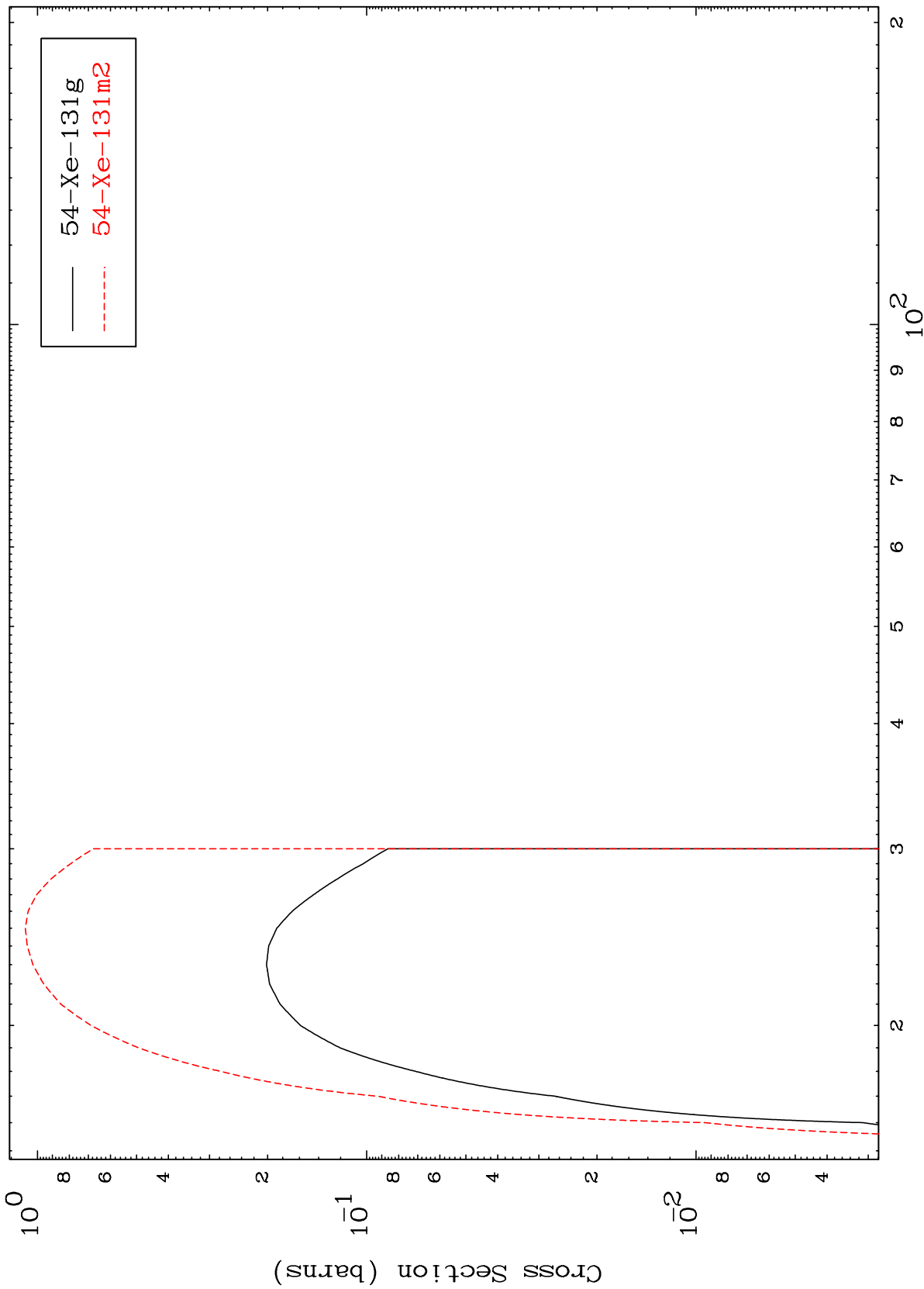
Incident Energy (MeV)

54-Xe-133

MAT 5453

54-Xe-133

(n,3n)  
Radionuclide Production Cross Section



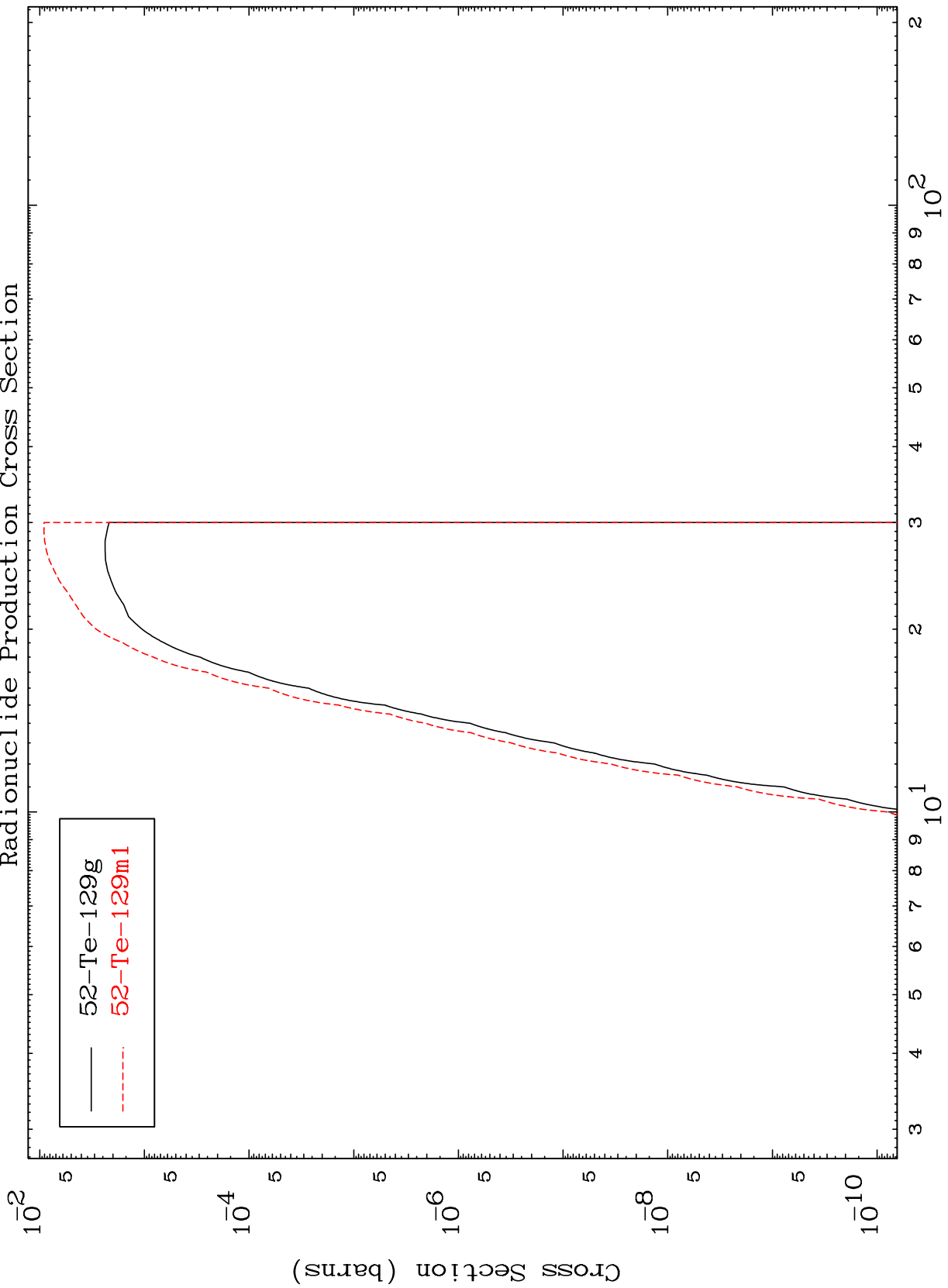
54-Xe-131g  
54-Xe-131m2

MAT 5453

54-Xe-133

(n,n')  $\alpha$

Radionuclide Production Cross Section



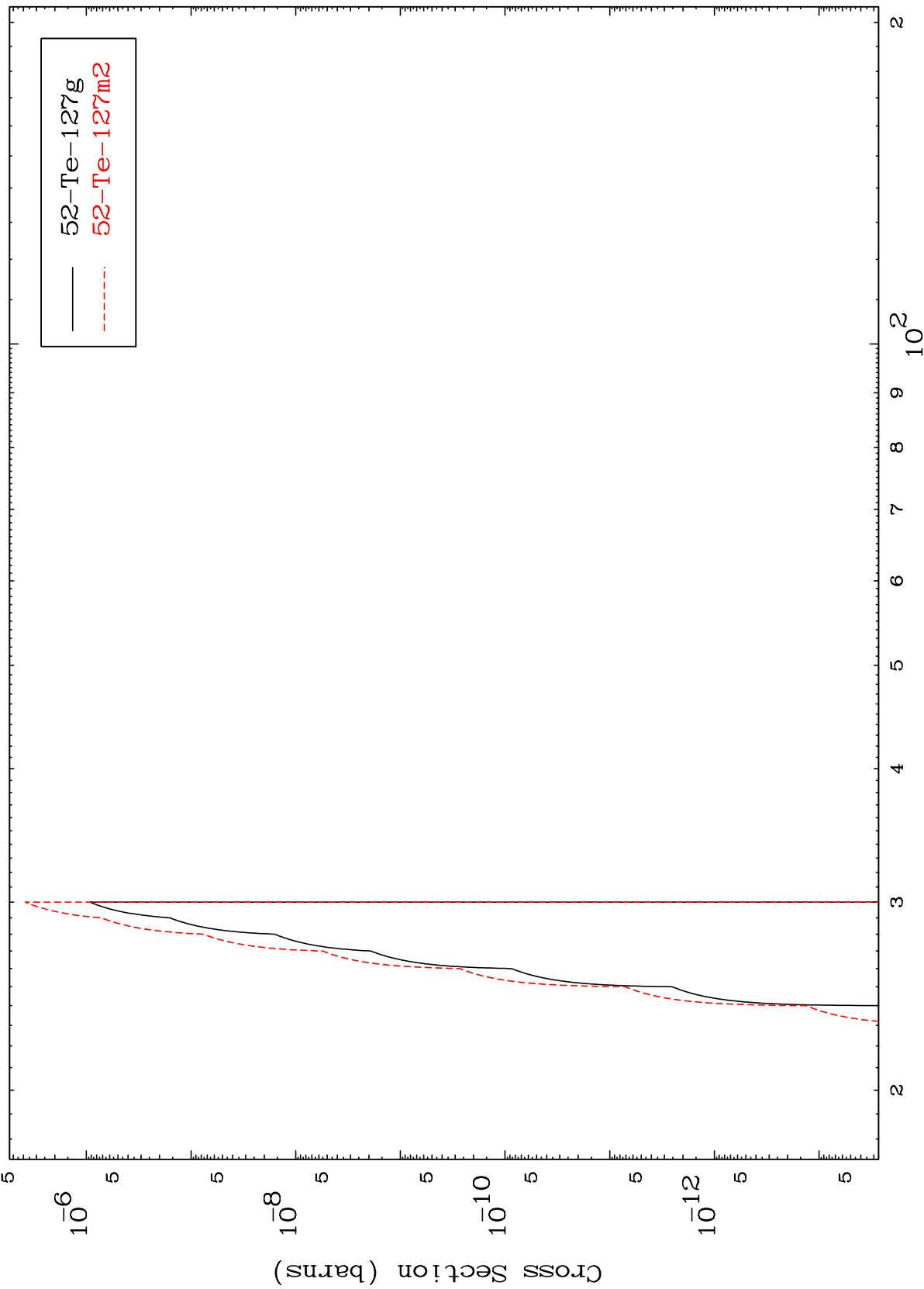
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54-Xe-133

Incident Energy (MeV)

22

Radionuclide Production Cross Section



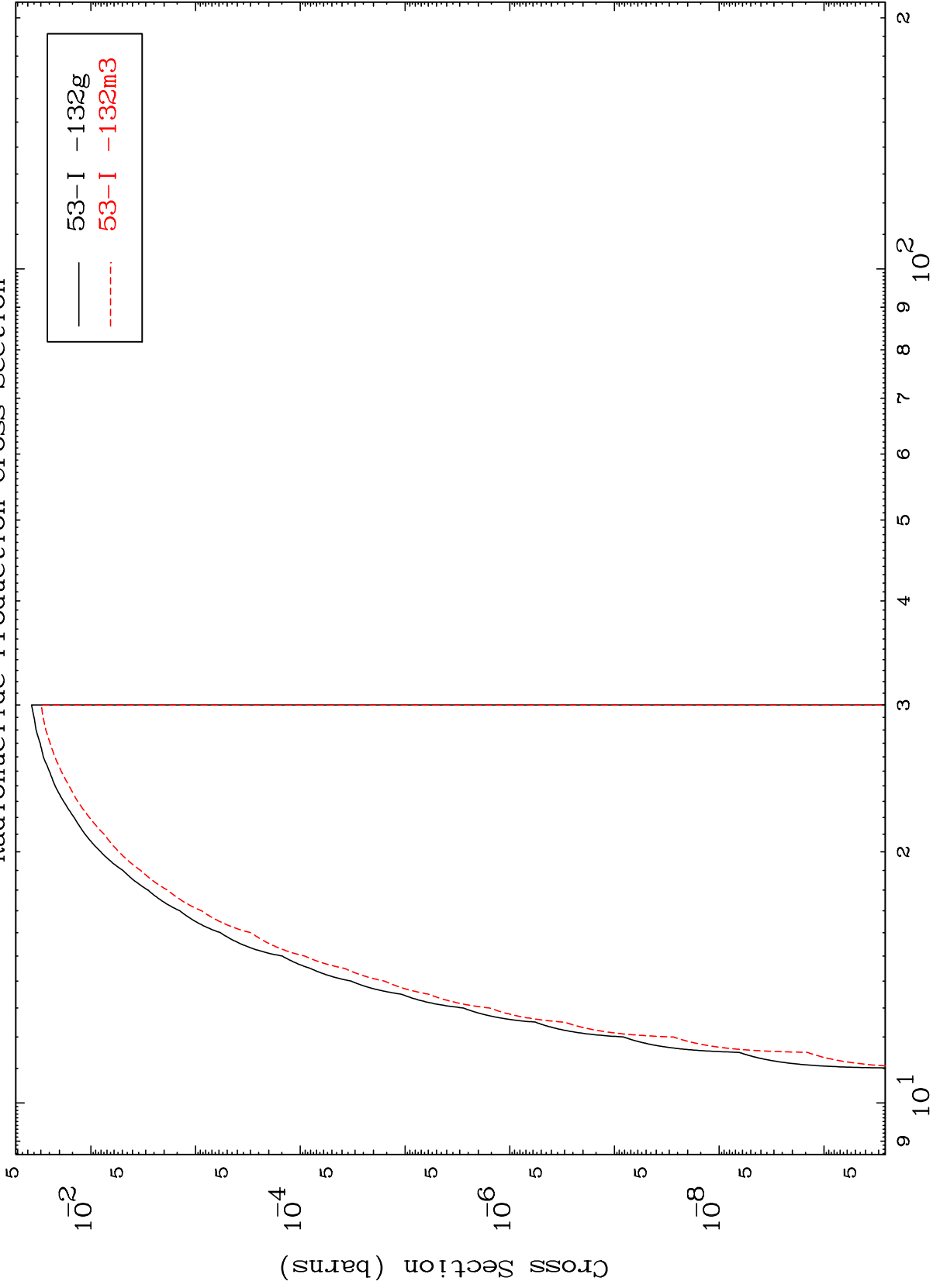


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(n,n') p

54-Xe-133

Radionuclide Production Cross Section



24

Incident Energy (MeV)

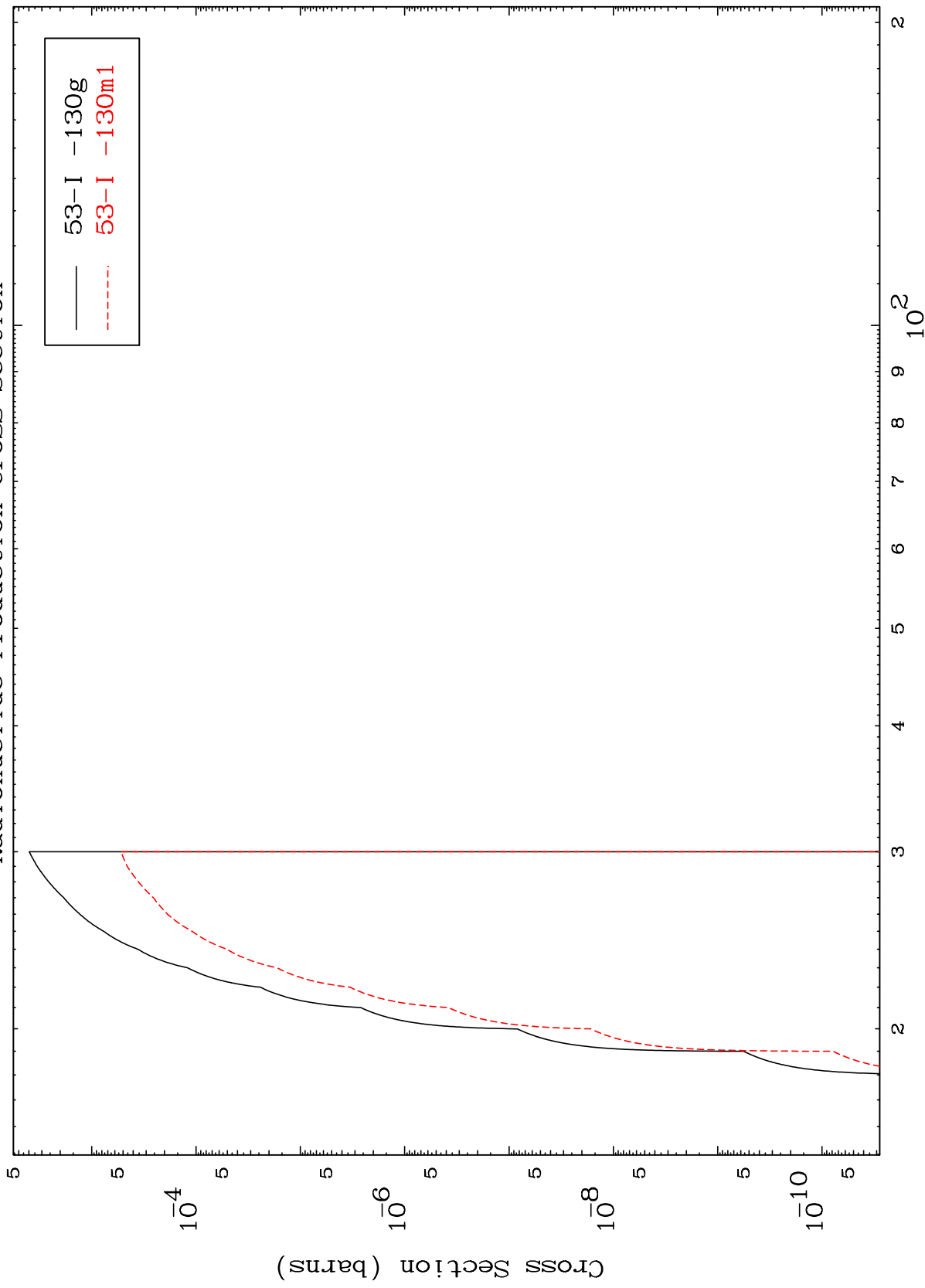
54-Xe-133

MAT 5453

(n,n') t

54-Xe-133

Radionuclide Production Cross Section

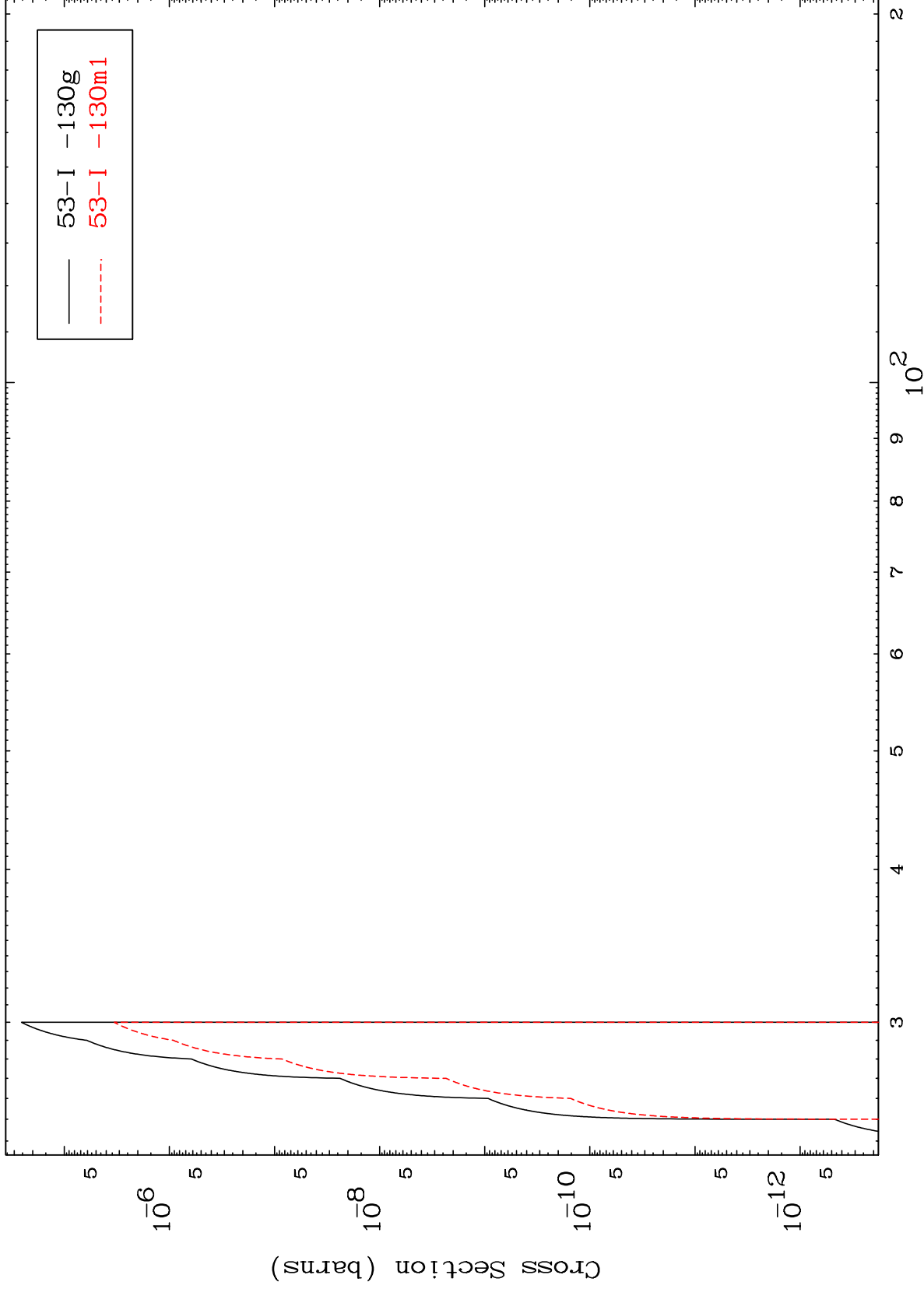


25

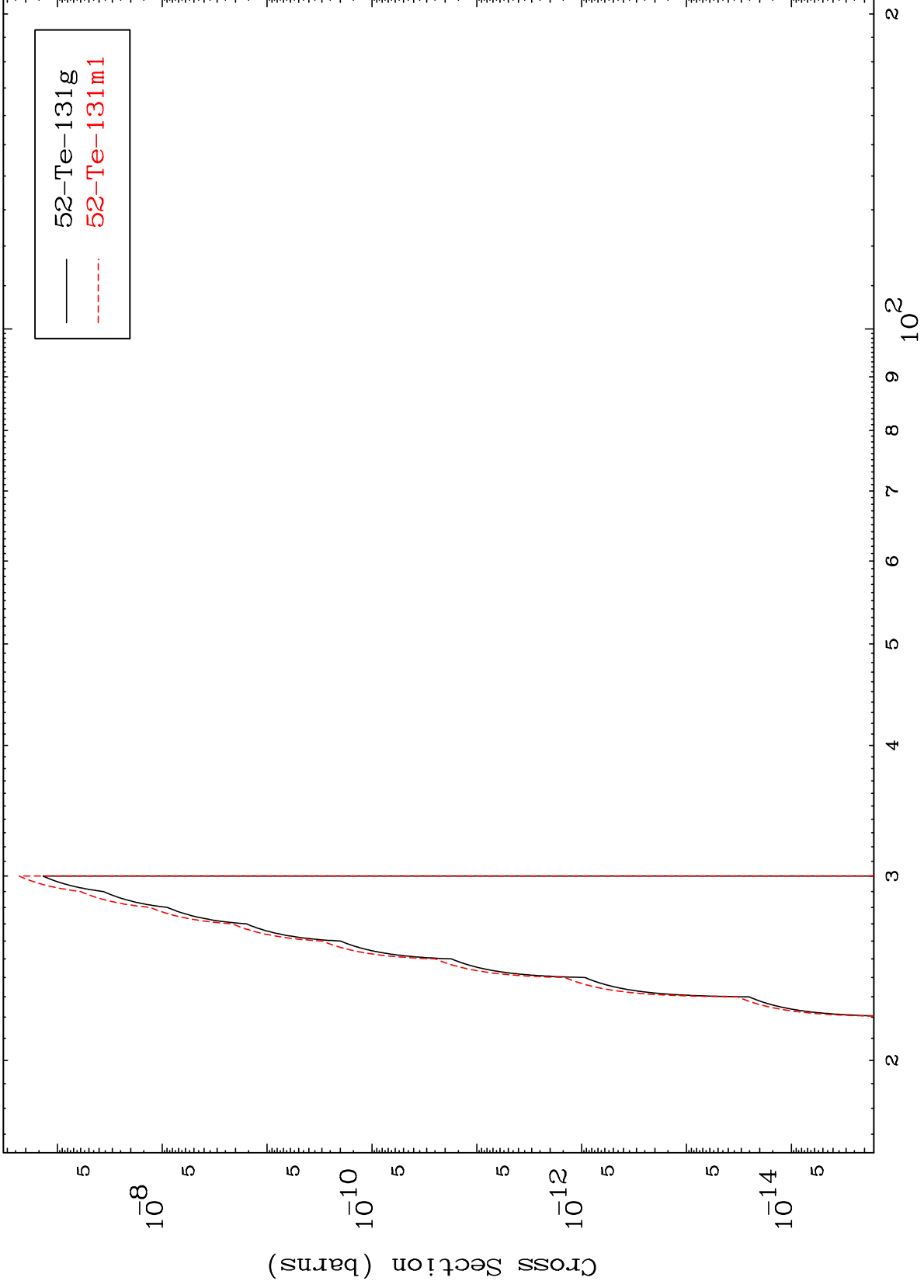
Incident Energy (MeV)

54-Xe-133

Radionuclide Production Cross Section



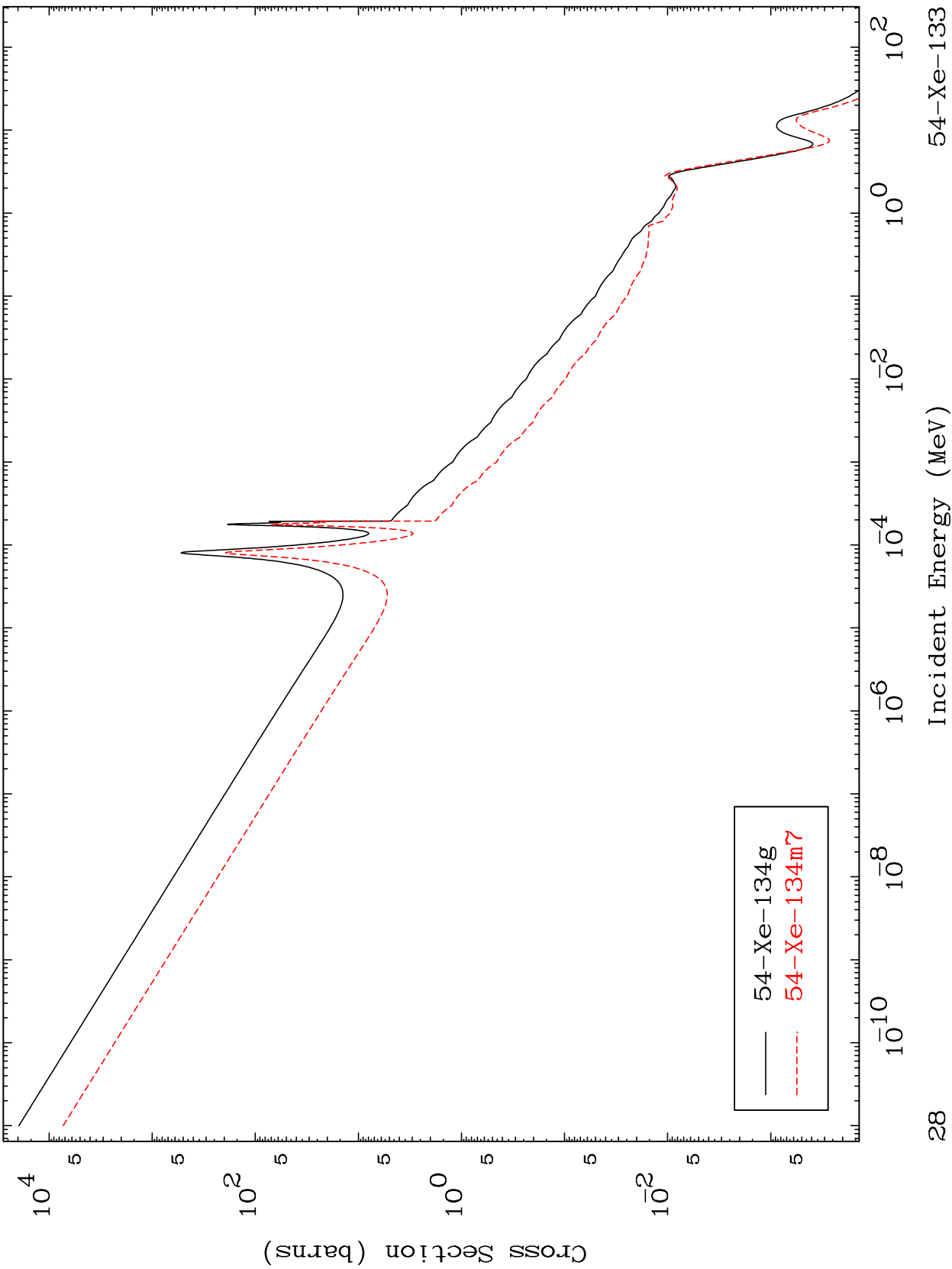
Radionuclide Production Cross Section



MAT 5453

54-Xe-133

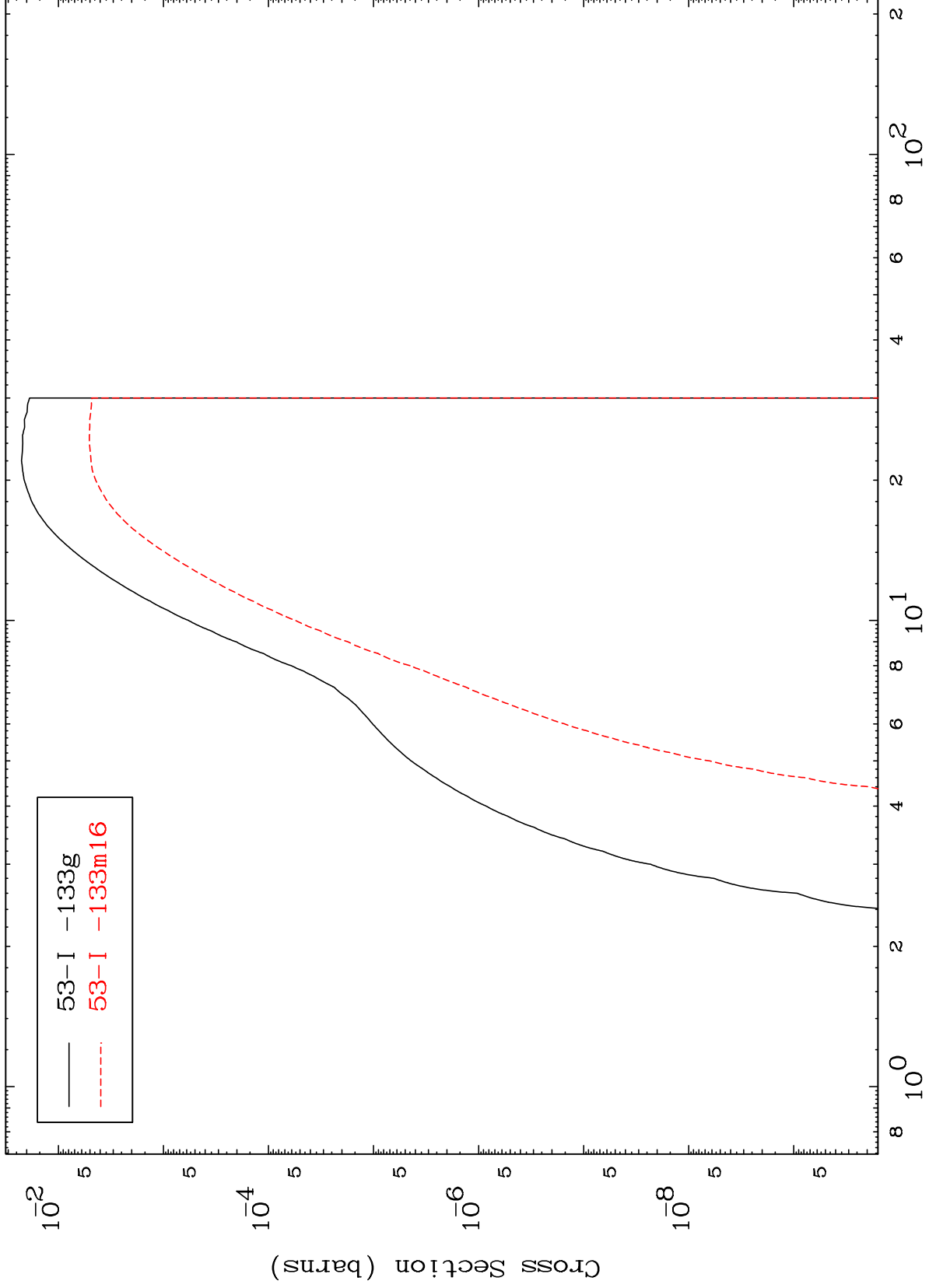
$(n, \gamma)$   
Radionuclide Production Cross Section



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54-Xe-133

(n,p)  
Radionuclide Production Cross Section



29

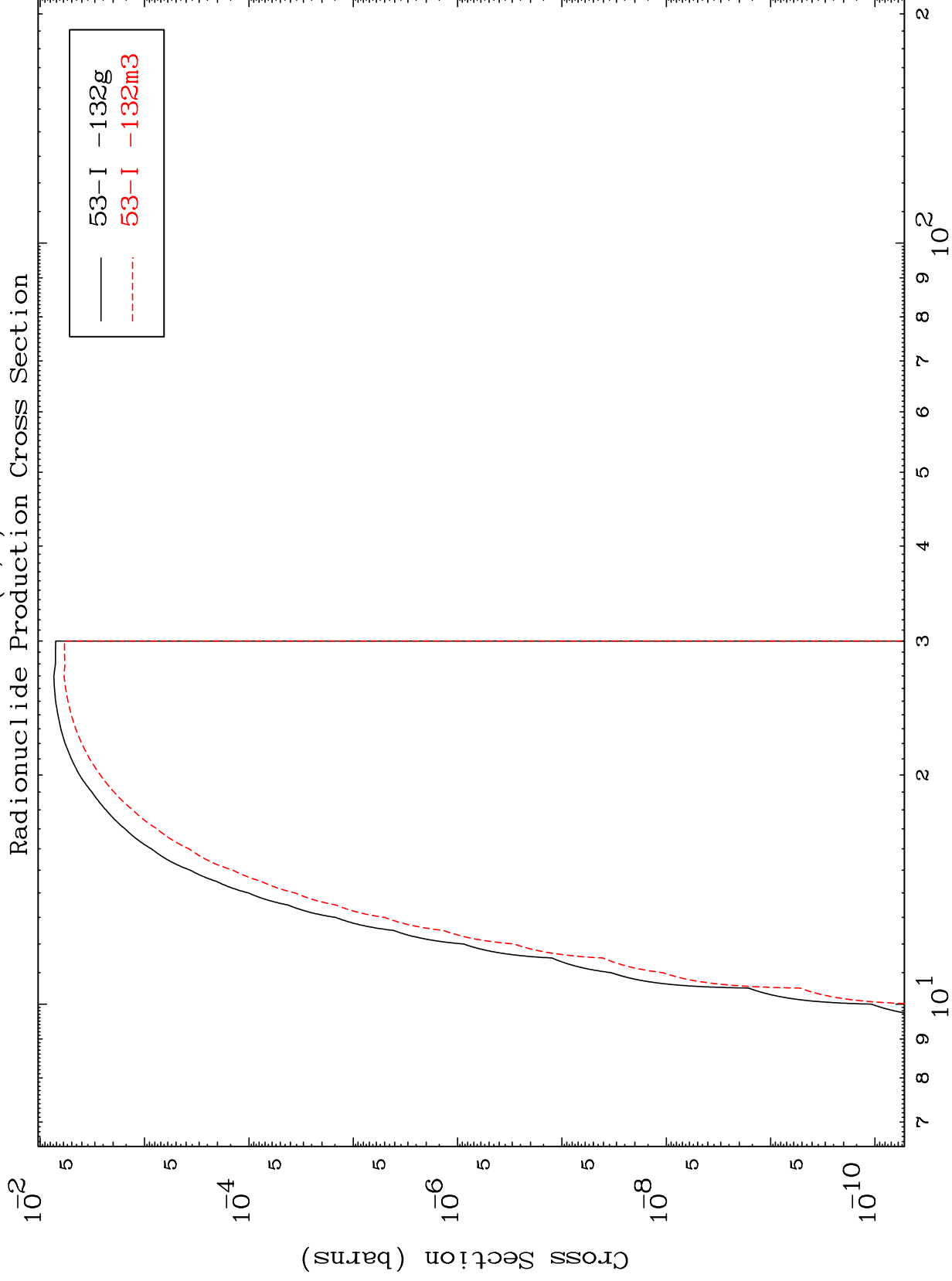
Incident Energy (MeV)

54-Xe-133

MAT 5453

(n,d)

54-Xe-133



30

Incident Energy (MeV)

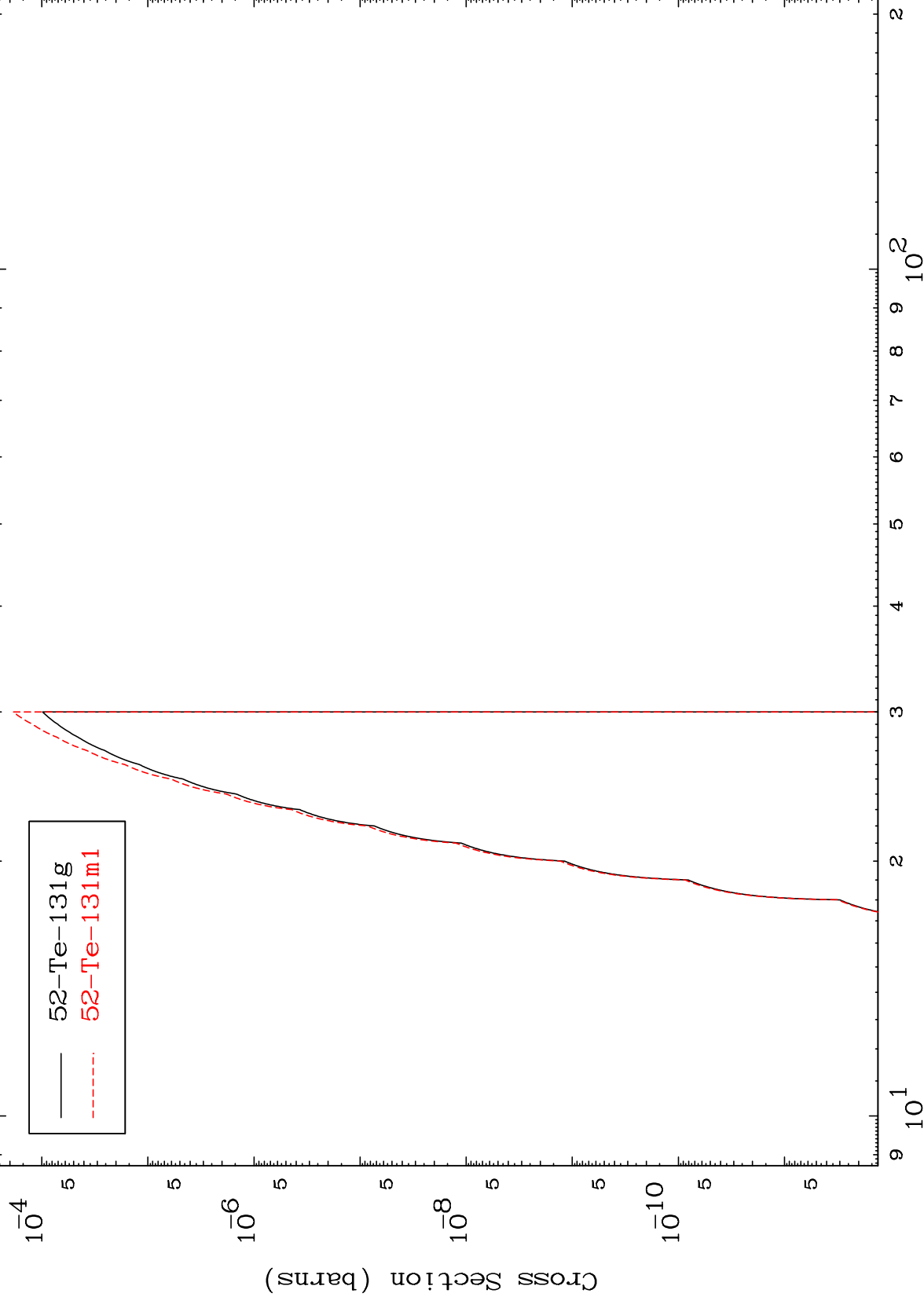
54-Xe-133

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(n,He-3)

54-Xe-133

Radionuclide Production Cross Section



31

Incident Energy (MeV)

54-Xe-133

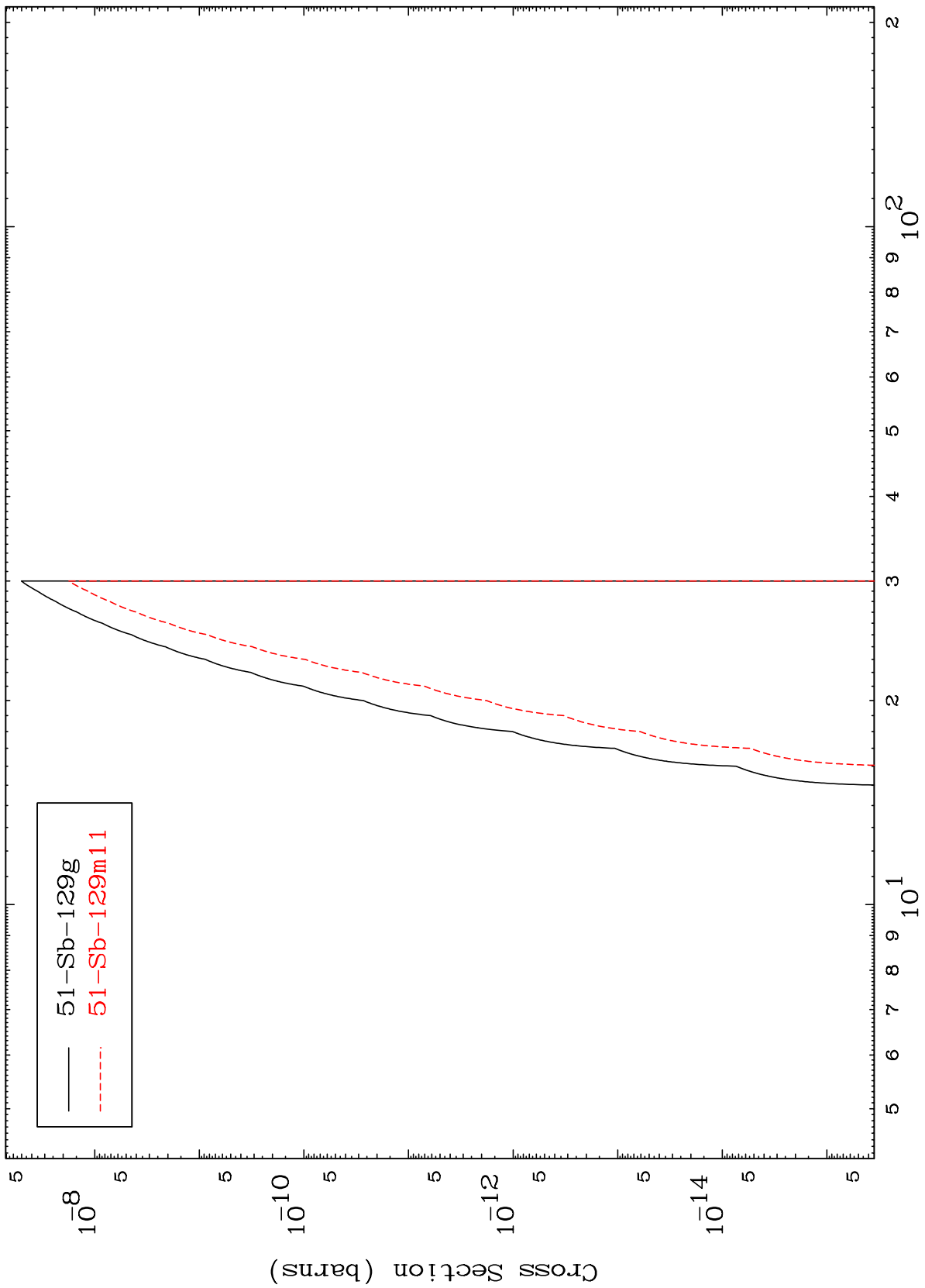


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(n,p)  $\alpha$

54-Xe-133

Radionuclide Production Cross Section



32

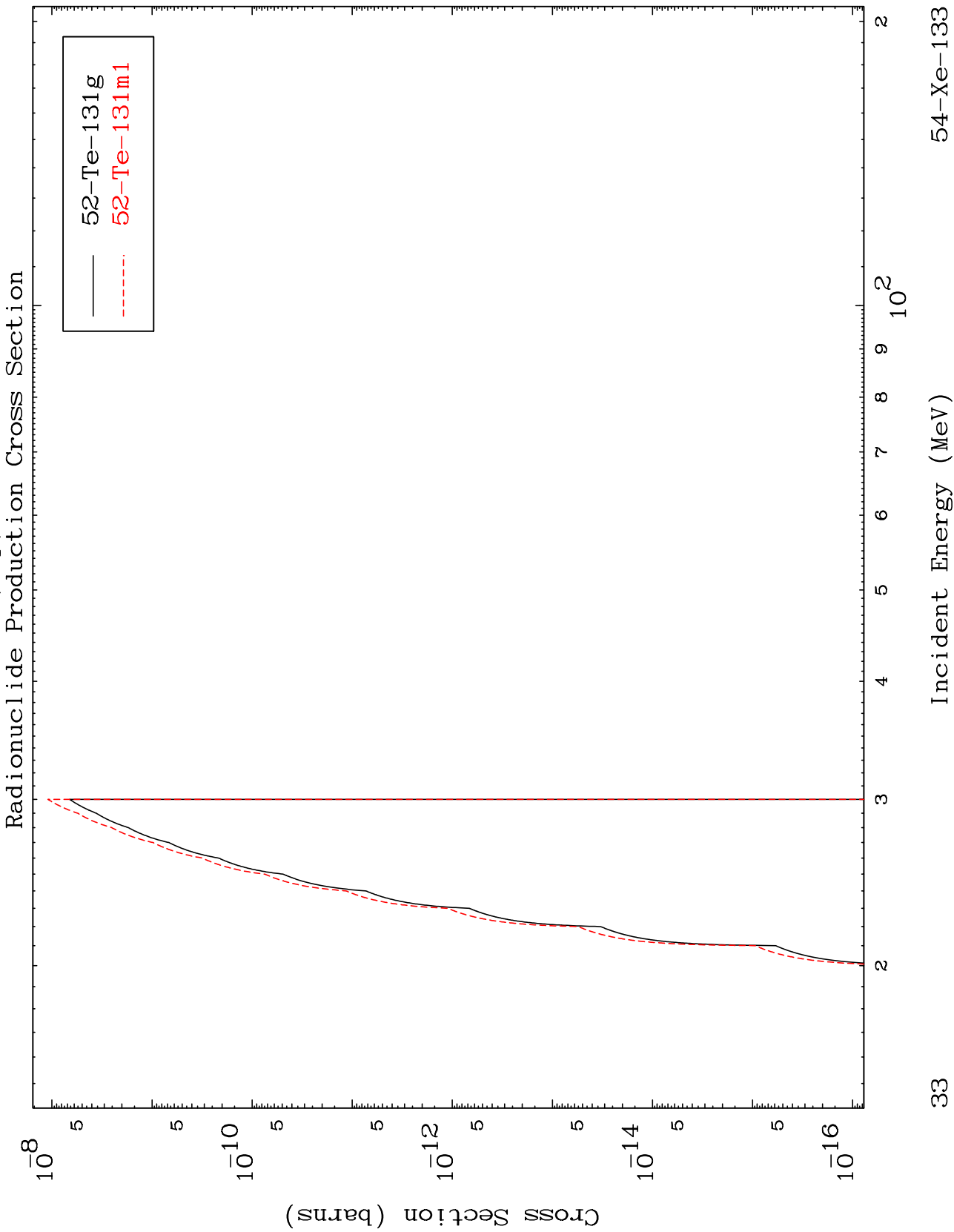
Incident Energy (MeV)

54-Xe-133

MAT 5453

(n,p) d

54-Xe-133



33

54-Xe-133