

Program EVALPLOT
(Version 2015-2)

by

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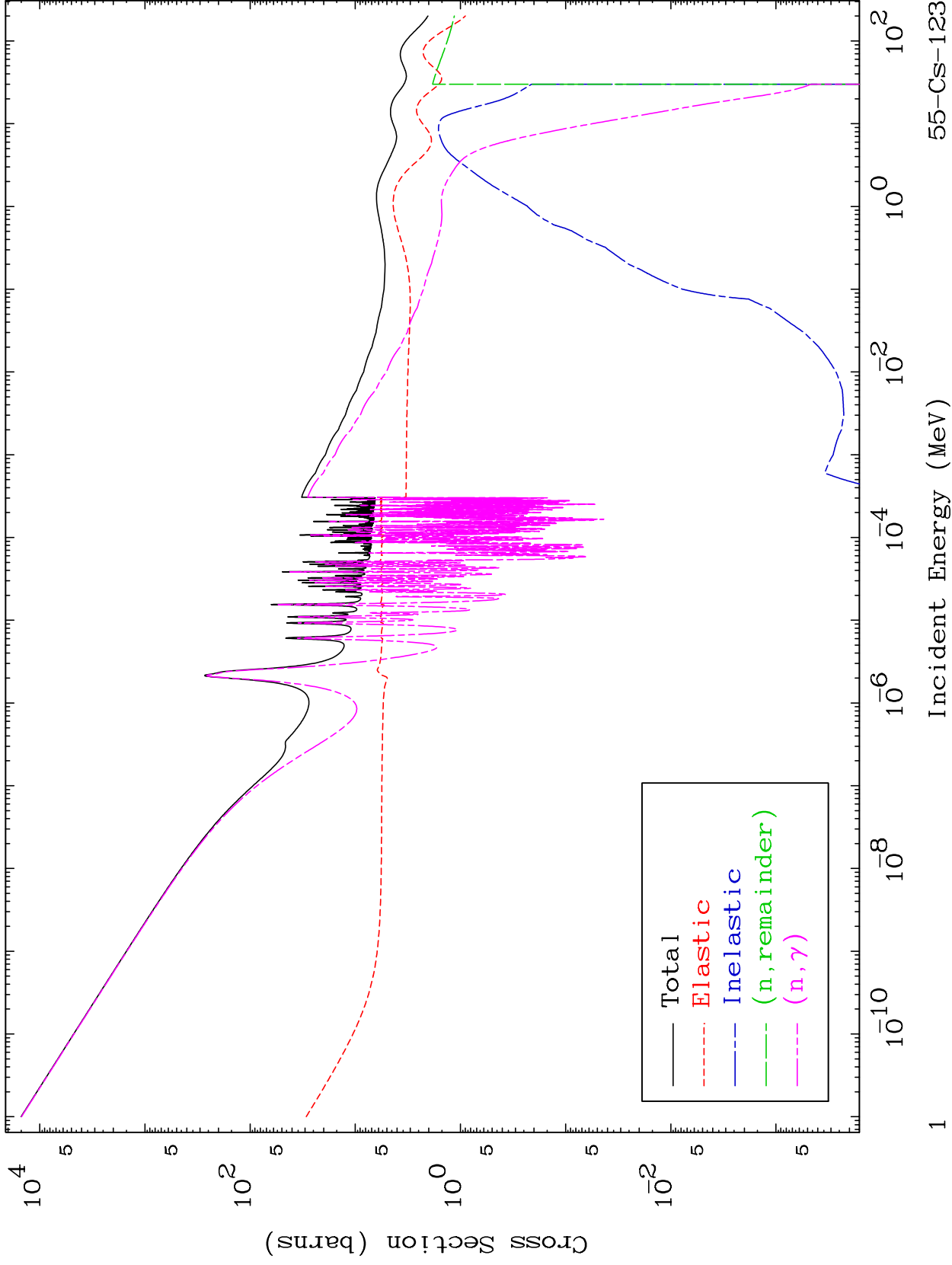
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5496

Major
293 Kelvin Cross Sections

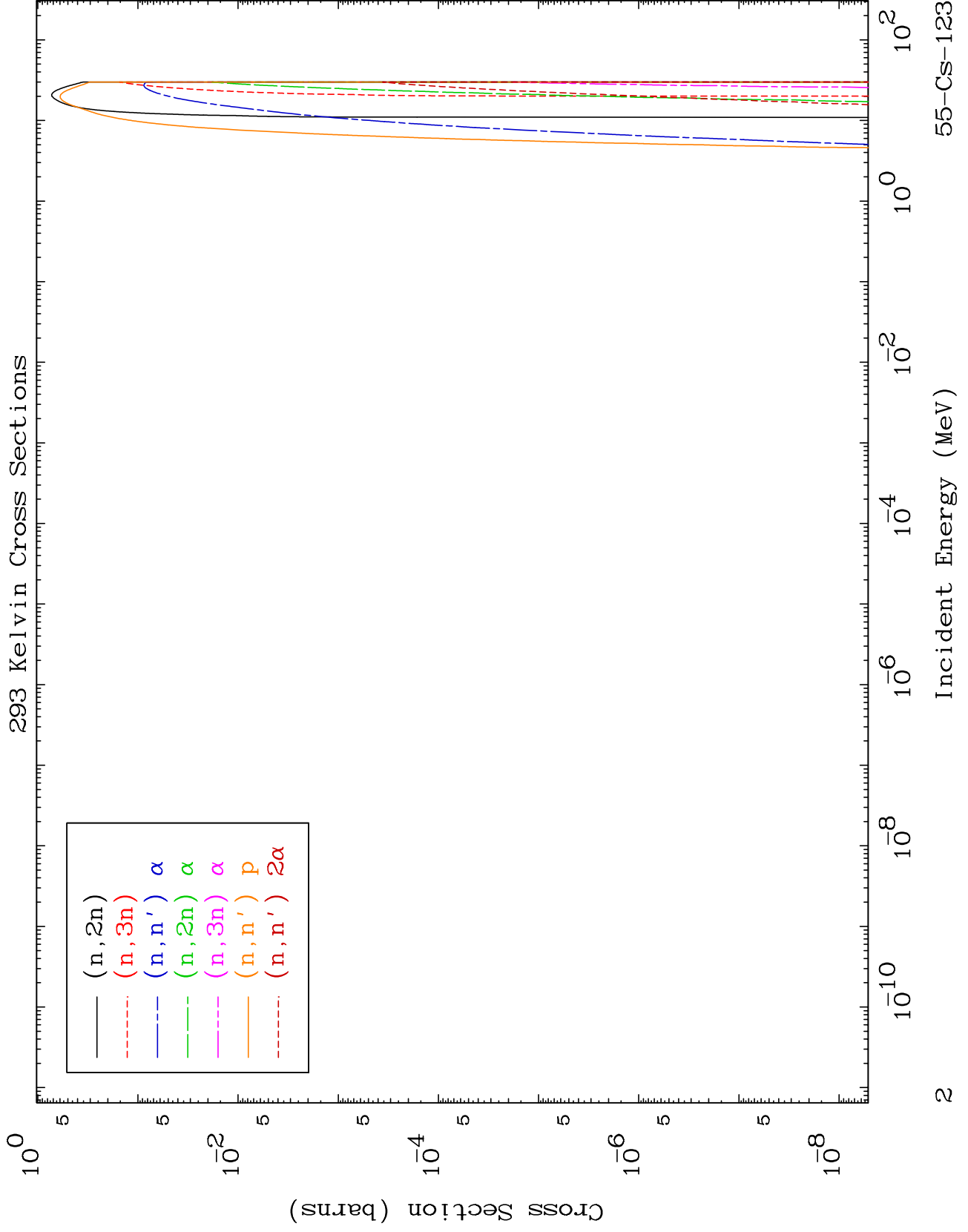
55-Cs-123

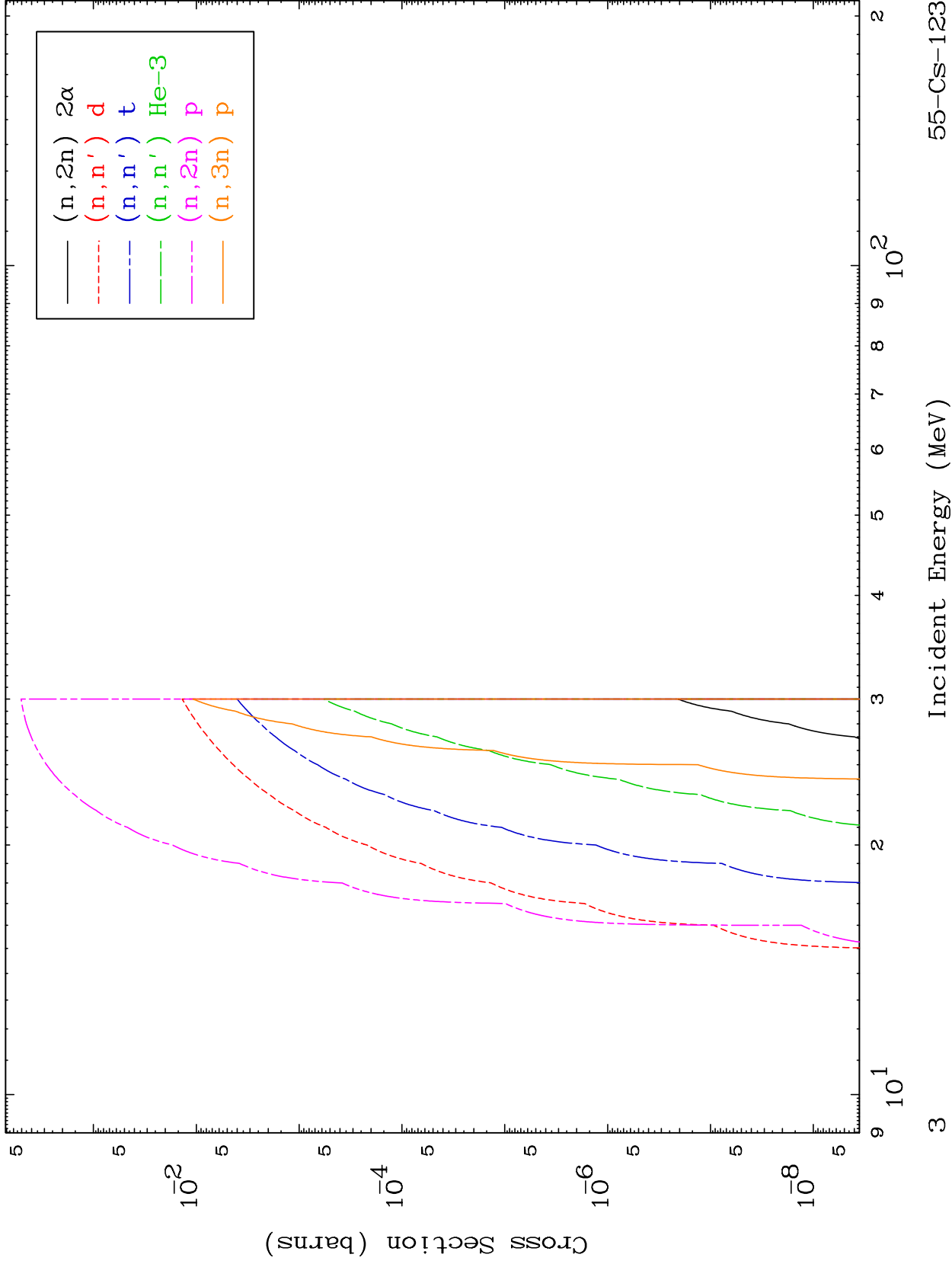


MAT 5496

Neutron Production
293 Kelvin Cross Sections

55-Cs-123

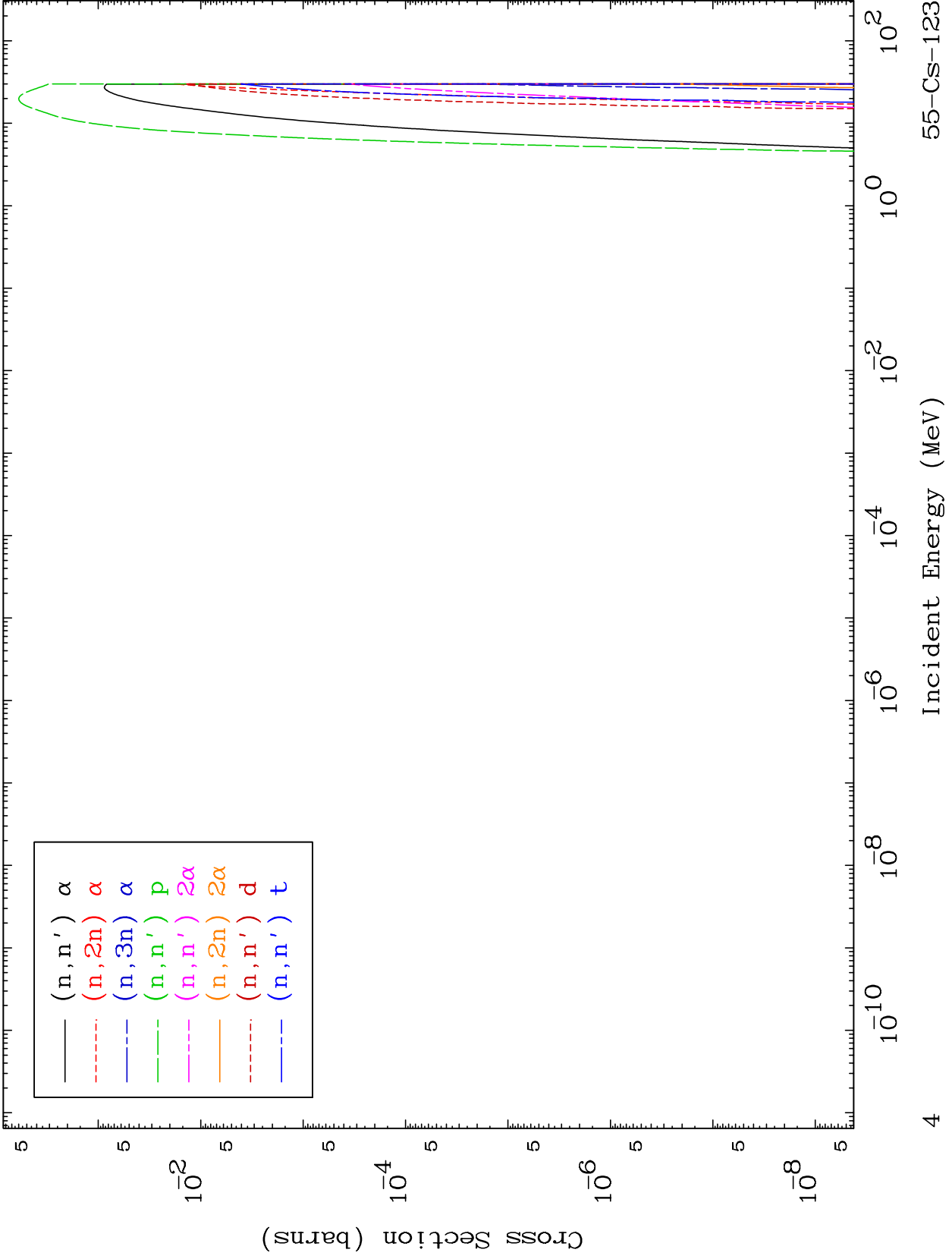


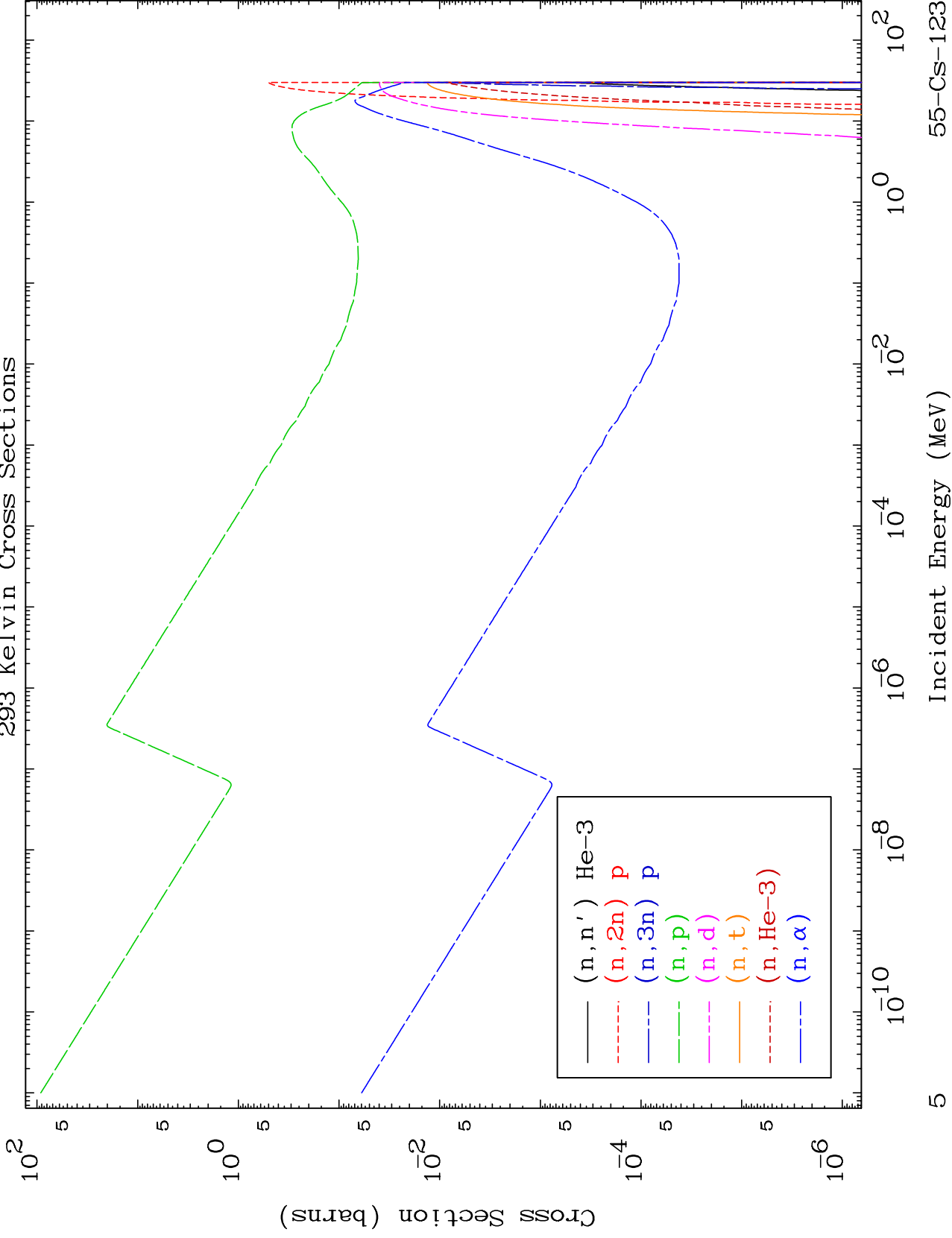


MAT 5496

Charged Particle
293 Kelvin Cross Sections

55-Cs-123

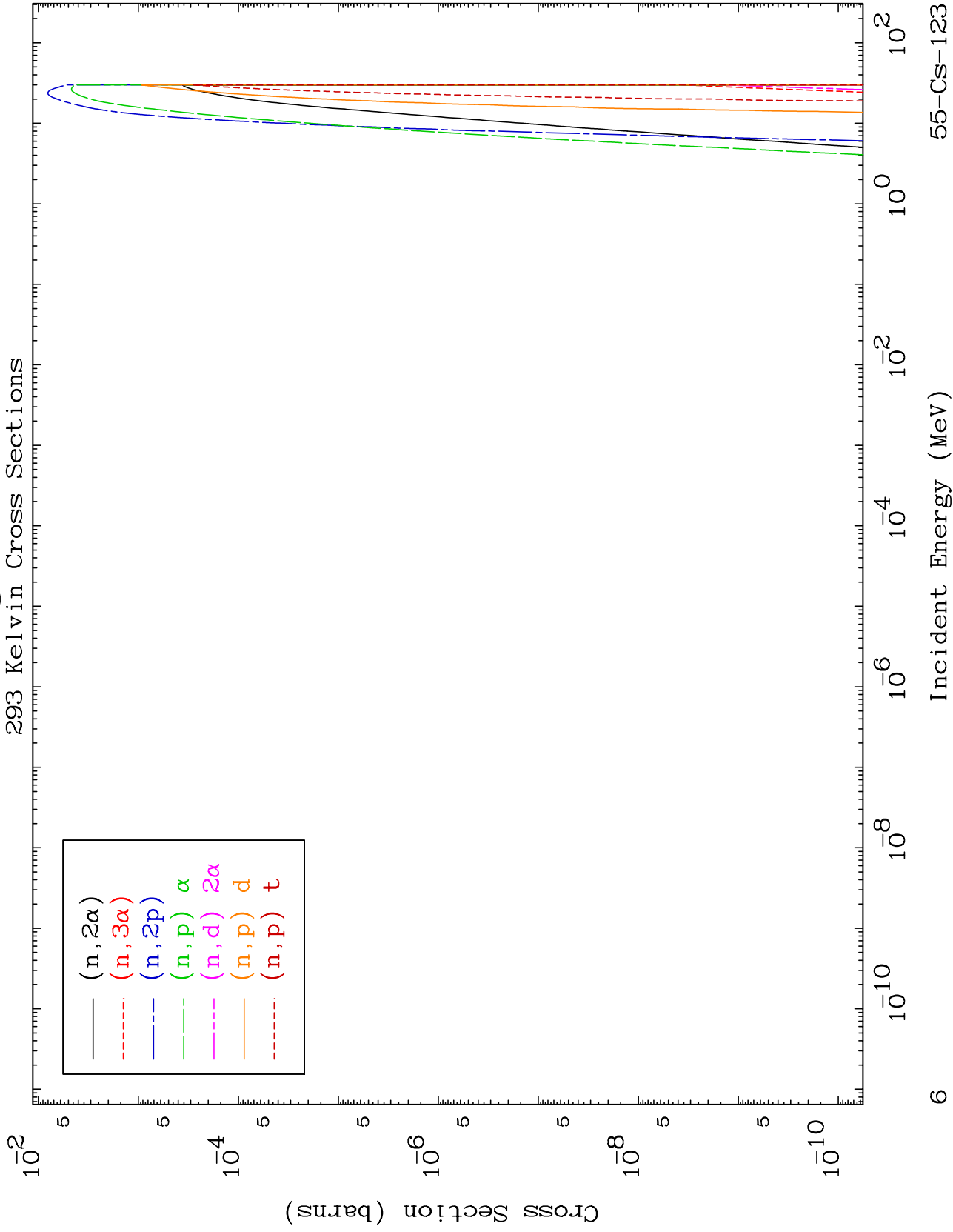




MAT 5496

Charged Particle
293 Kelvin Cross Sections

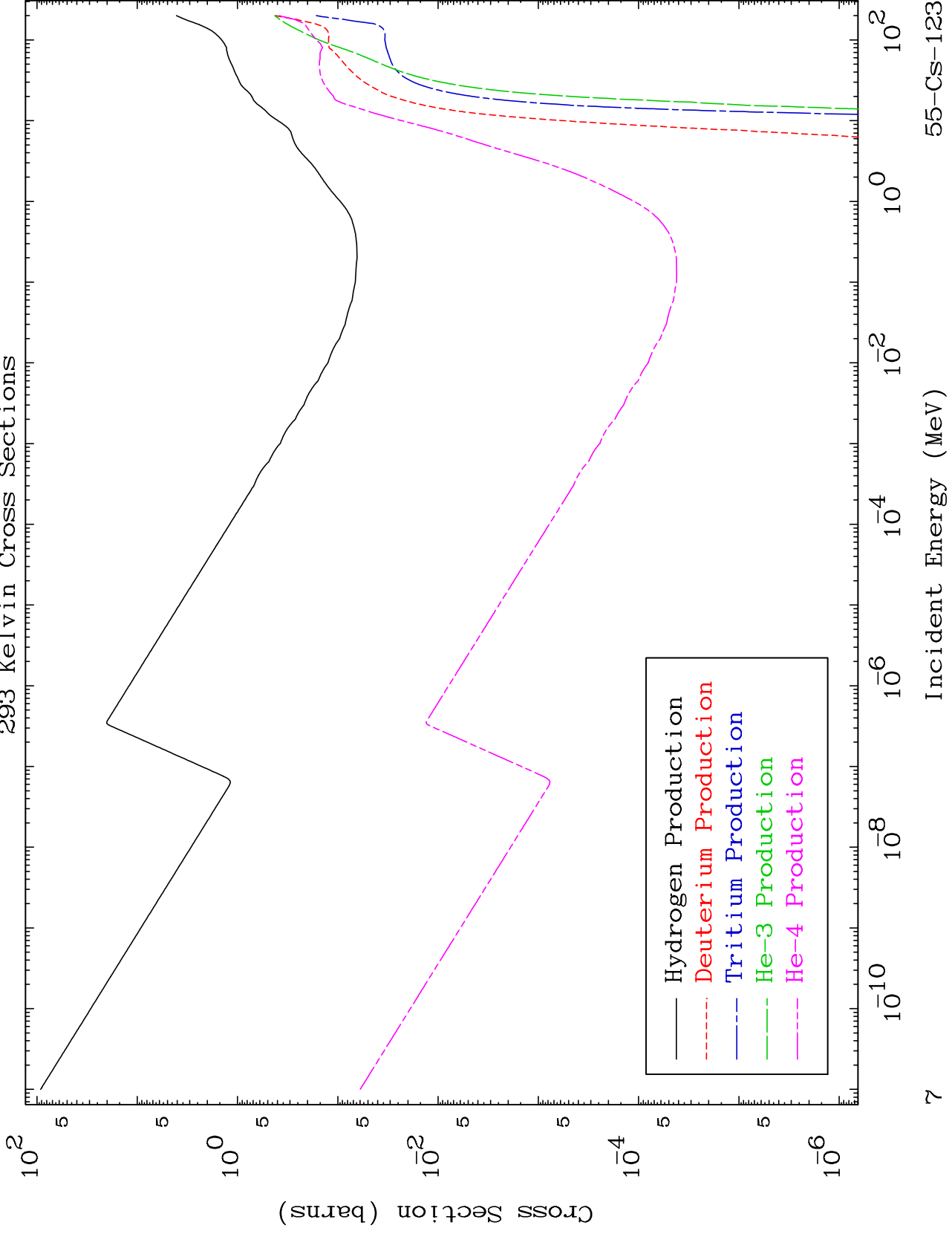
55-Cs-123



MAT 5496

Particle Production
293 Kelvin Cross Sections

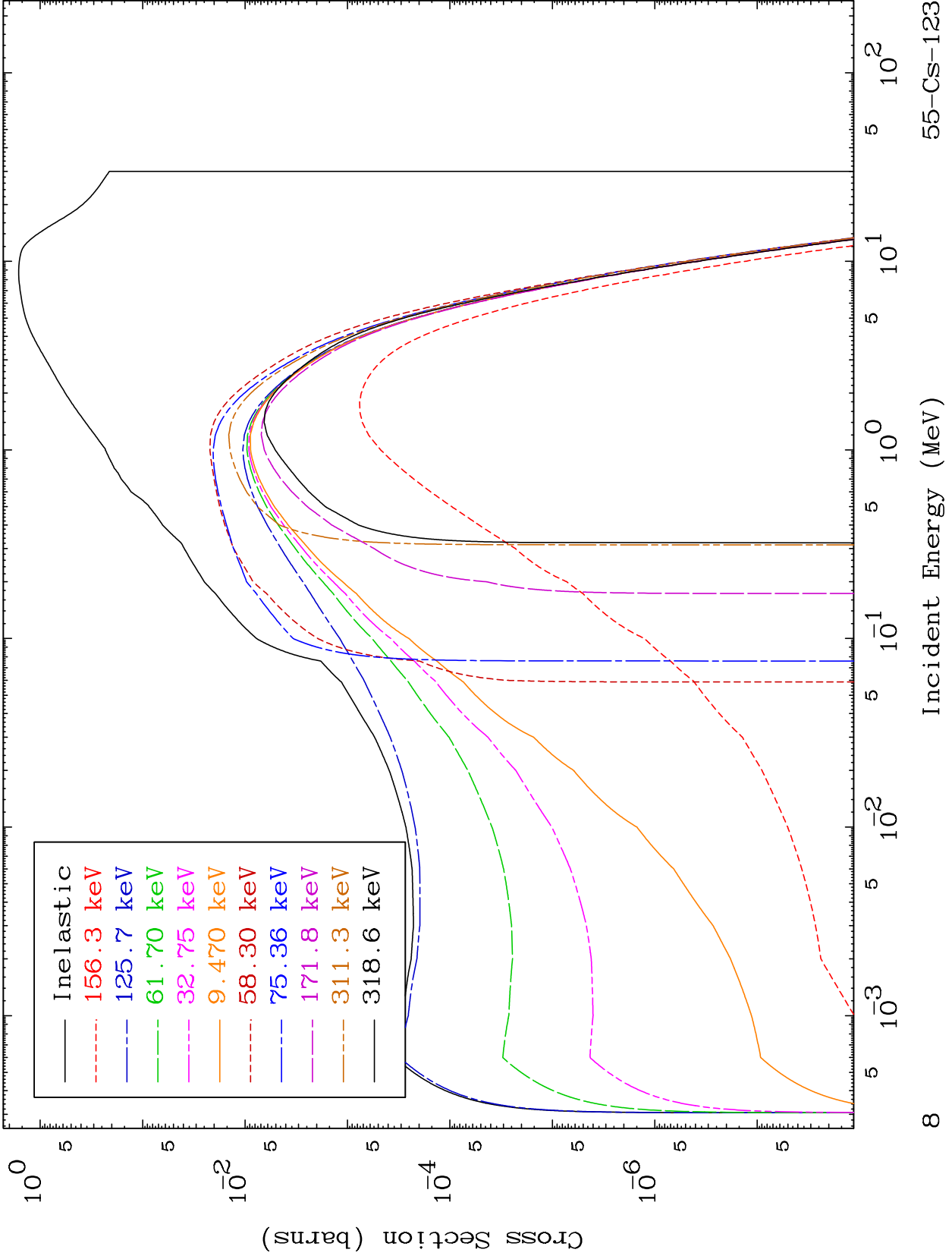
55-Cs-123



MAT 5496

(n,n') Level
293 Kelvin Cross Sections

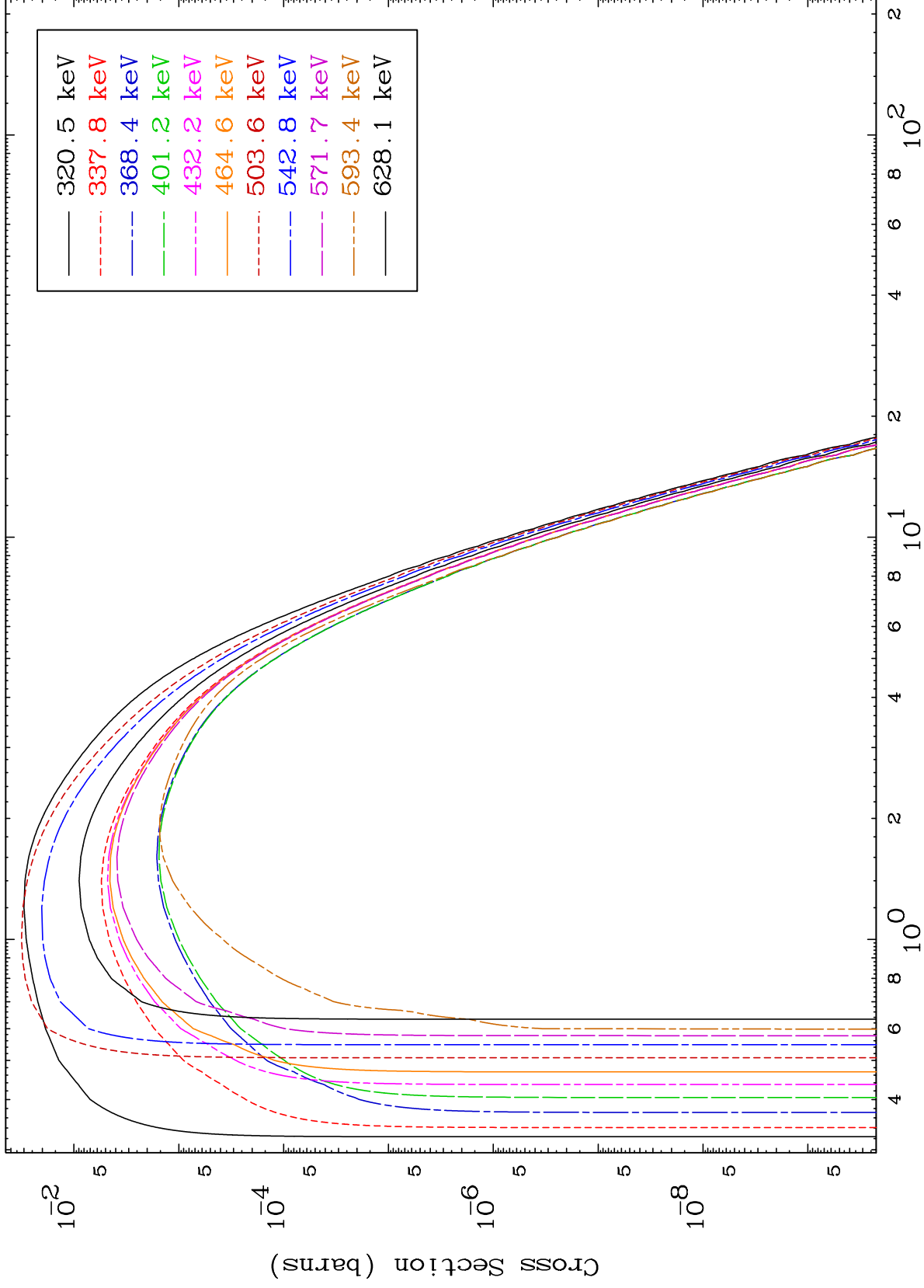
55-Cs-123



MAT 5496

(n,n') Level
293 Kelvin Cross Sections

55-Cs-123



9

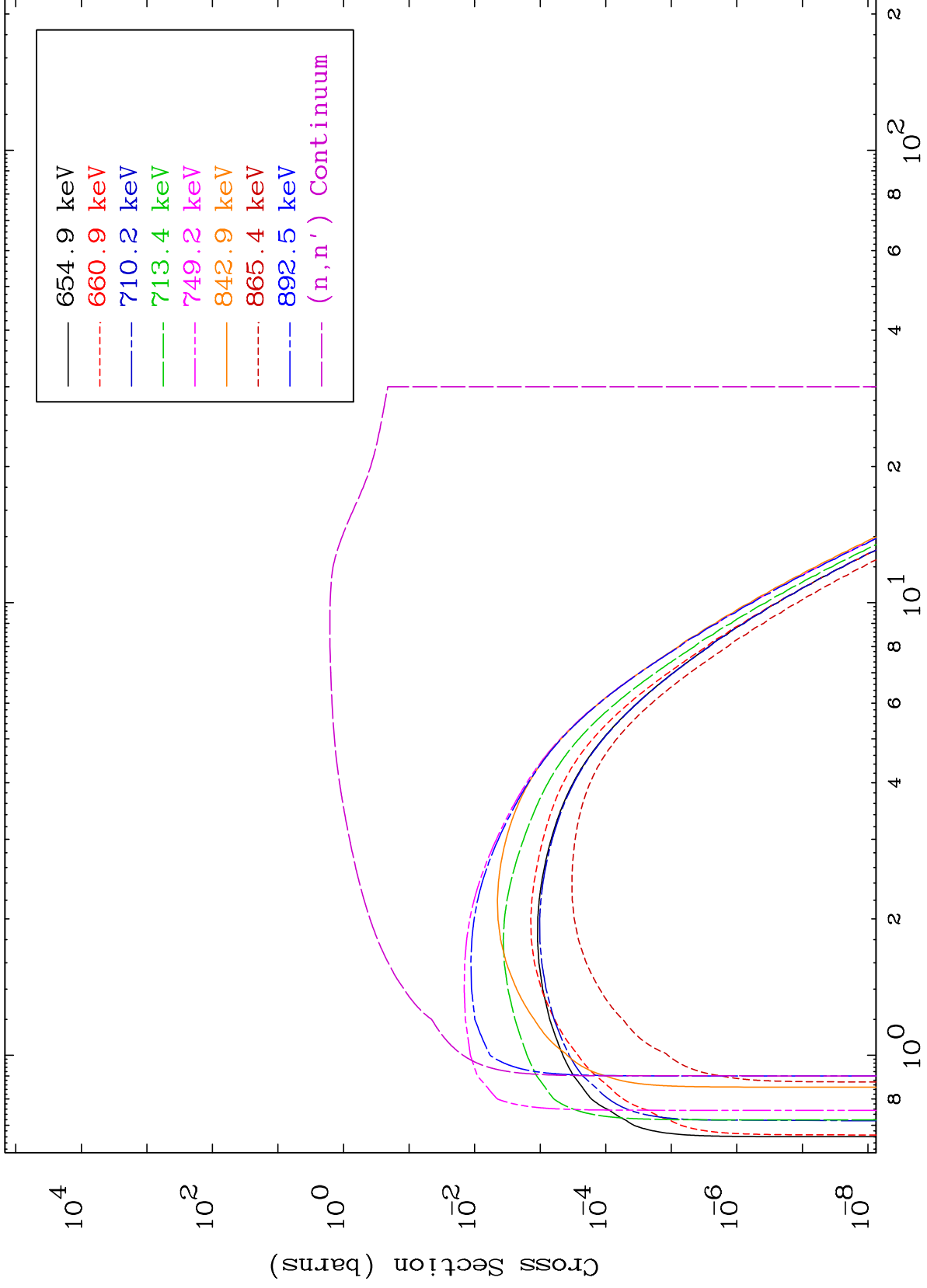
Incident Energy (MeV)

55-Cs-123

MAT 5496

(n,n') Level
293 Kelvin Cross Sections

55-Cs-123



10

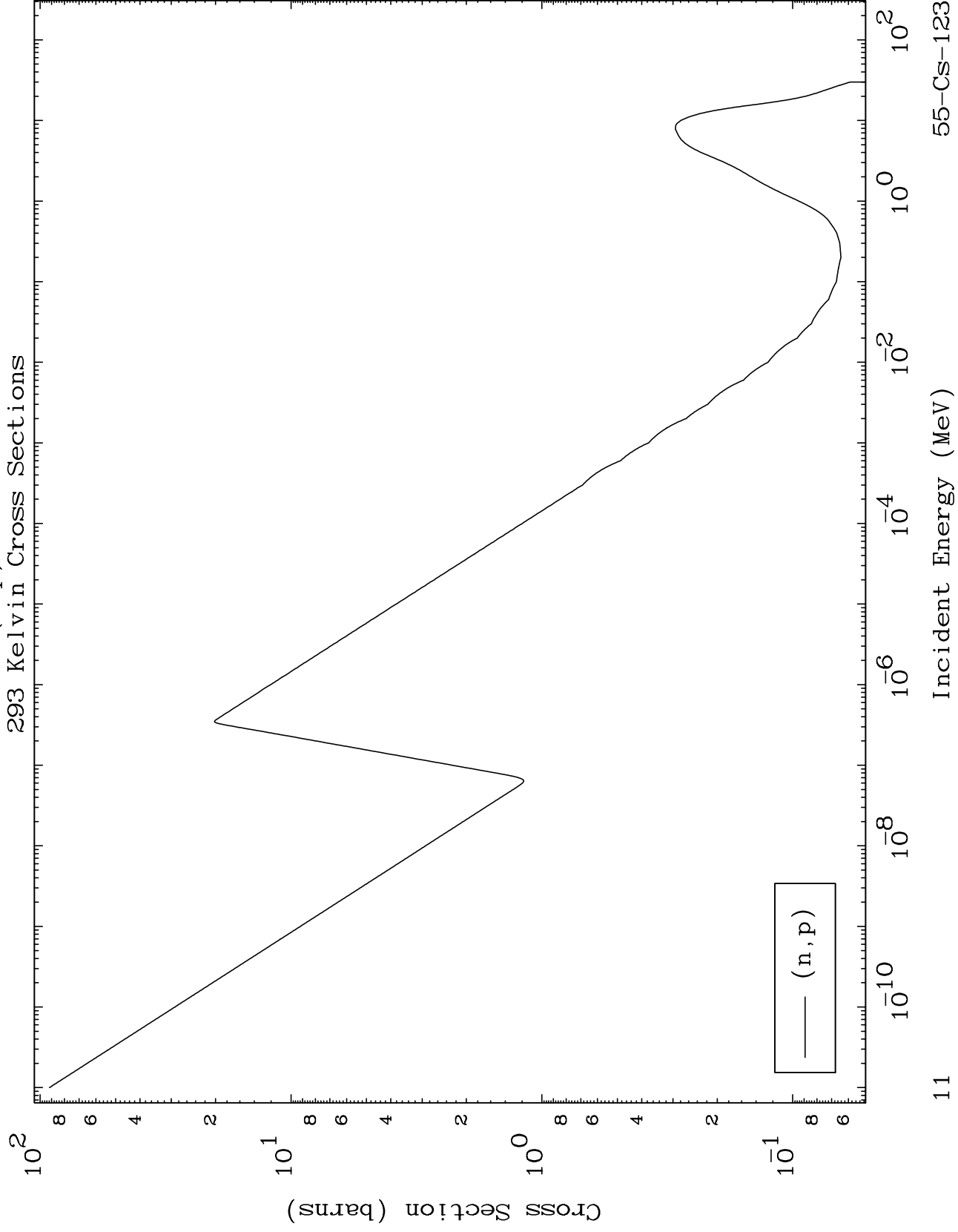
Incident Energy (MeV)

55-Cs-123

MAT 5496

(n,p) Levels
293 Kelvin Cross Sections

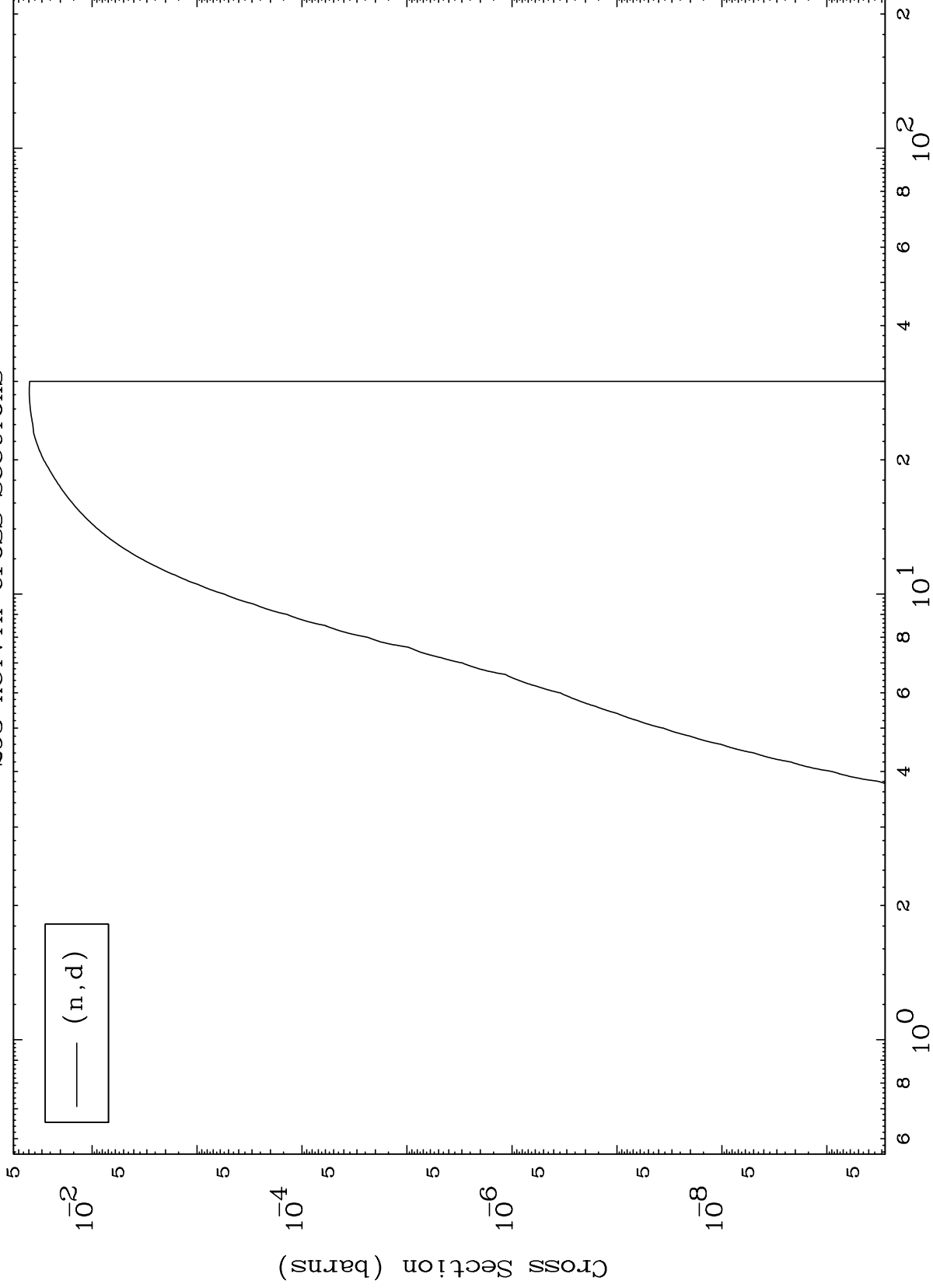
55-Cs-123



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(n,d) Levels
293 Kelvin Cross Sections

55-Cs-123



12

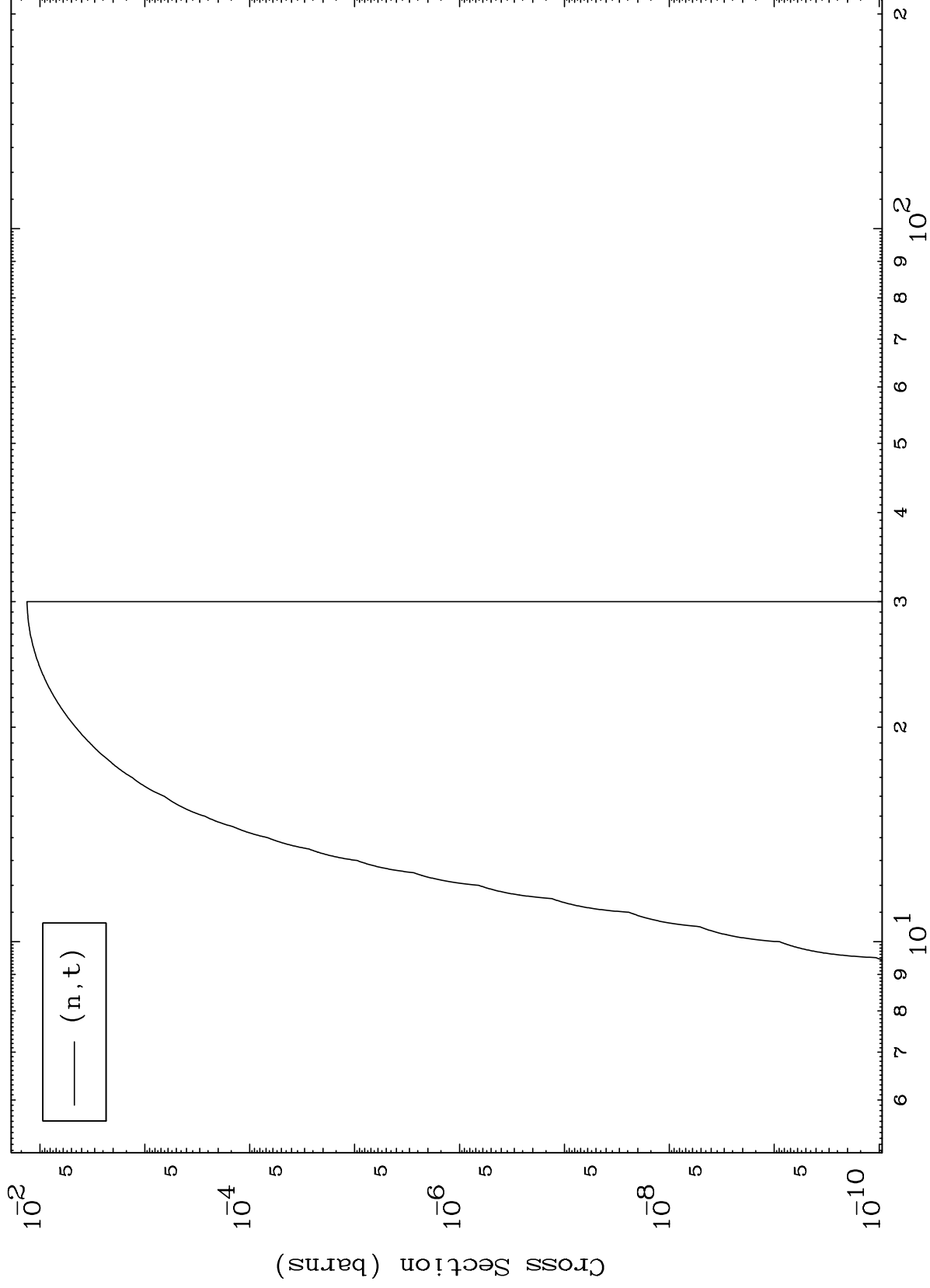
Incident Energy (MeV)

55-Cs-123

MAT 5496

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-123



13

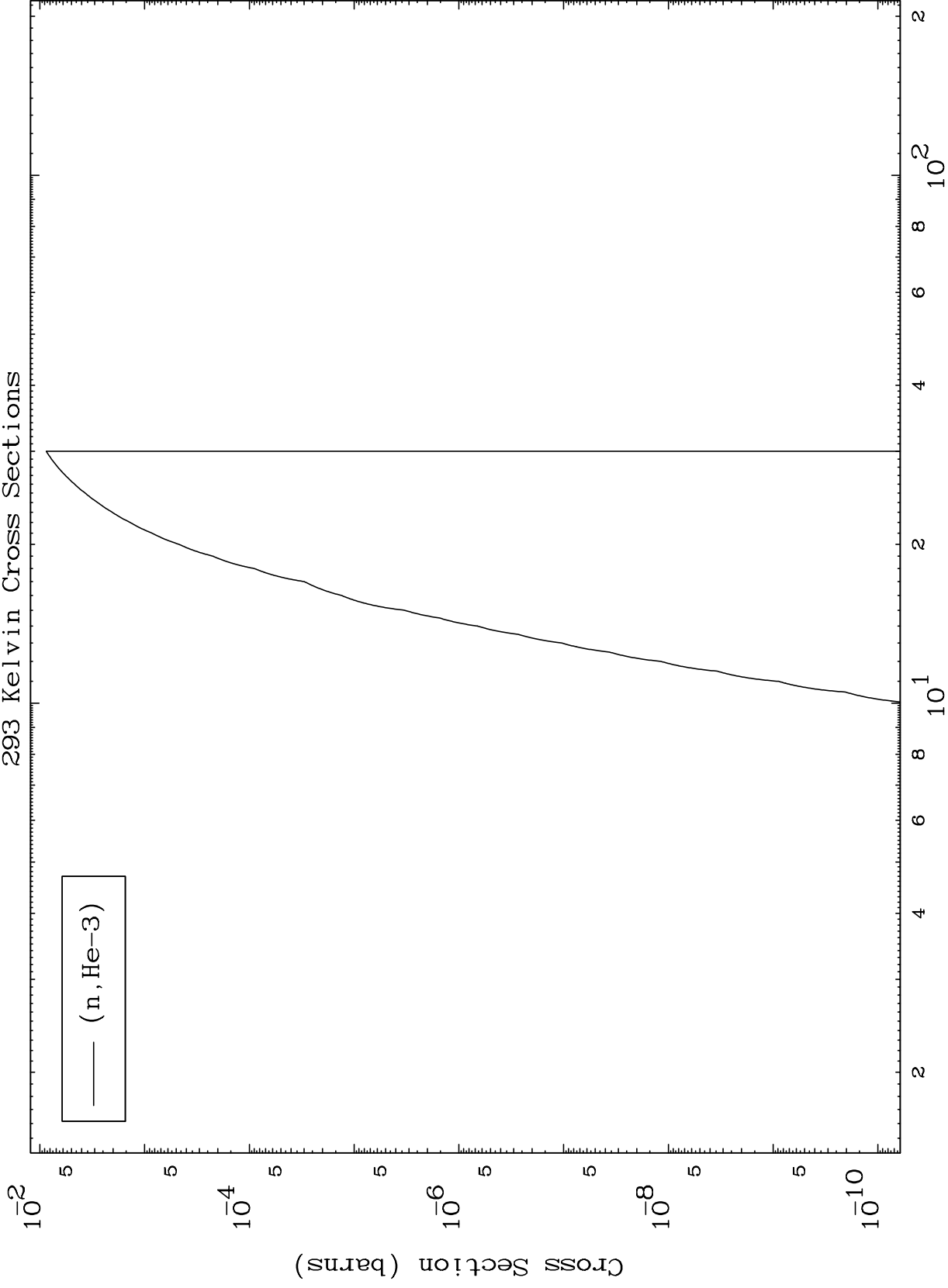
Incident Energy (MeV)

55-Cs-123

MAT 5496

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-123



14

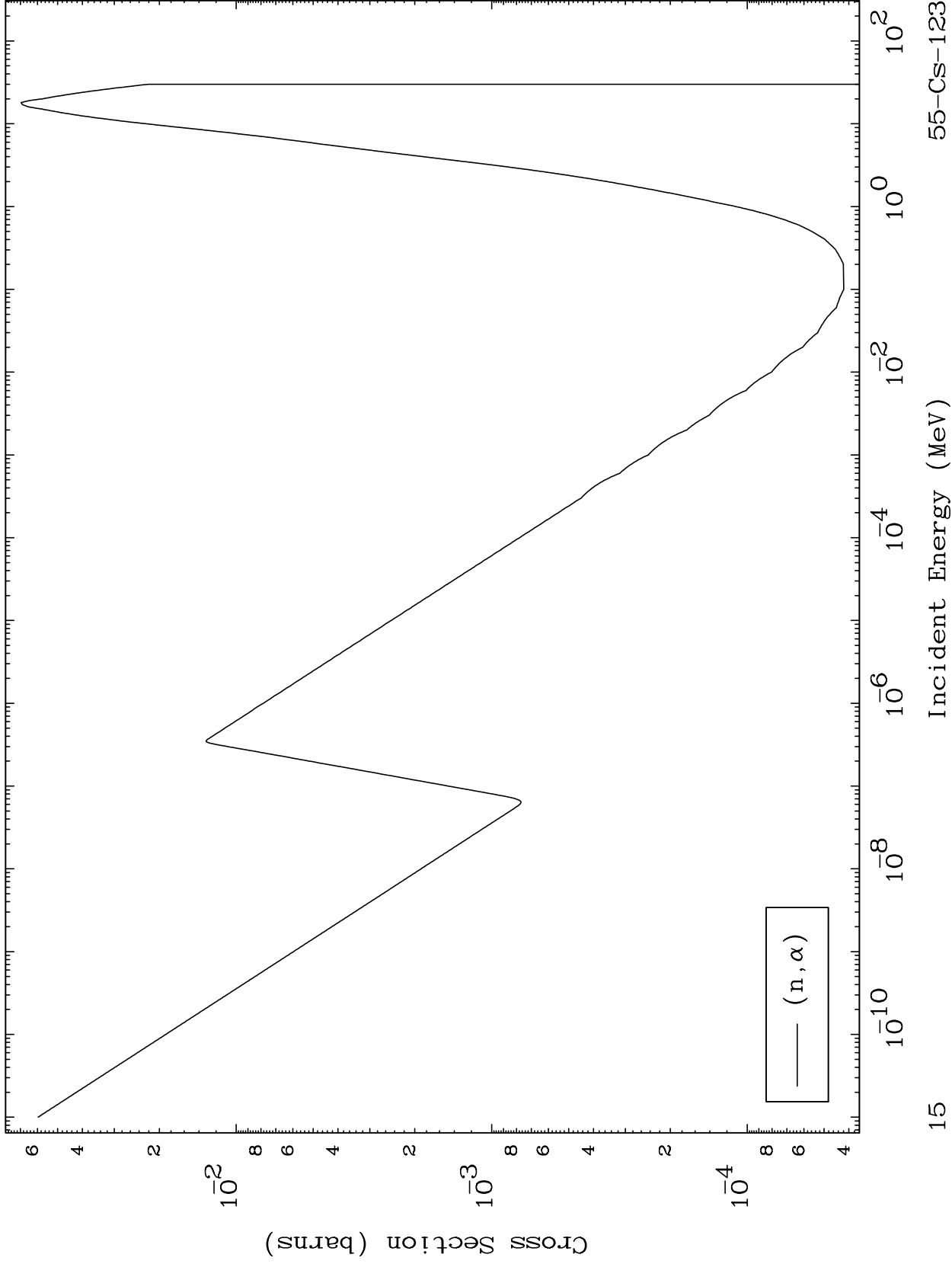
Incident Energy (MeV)

55-Cs-123

MAT 5496

(n, α) Levels
293 Kelvin Cross Sections

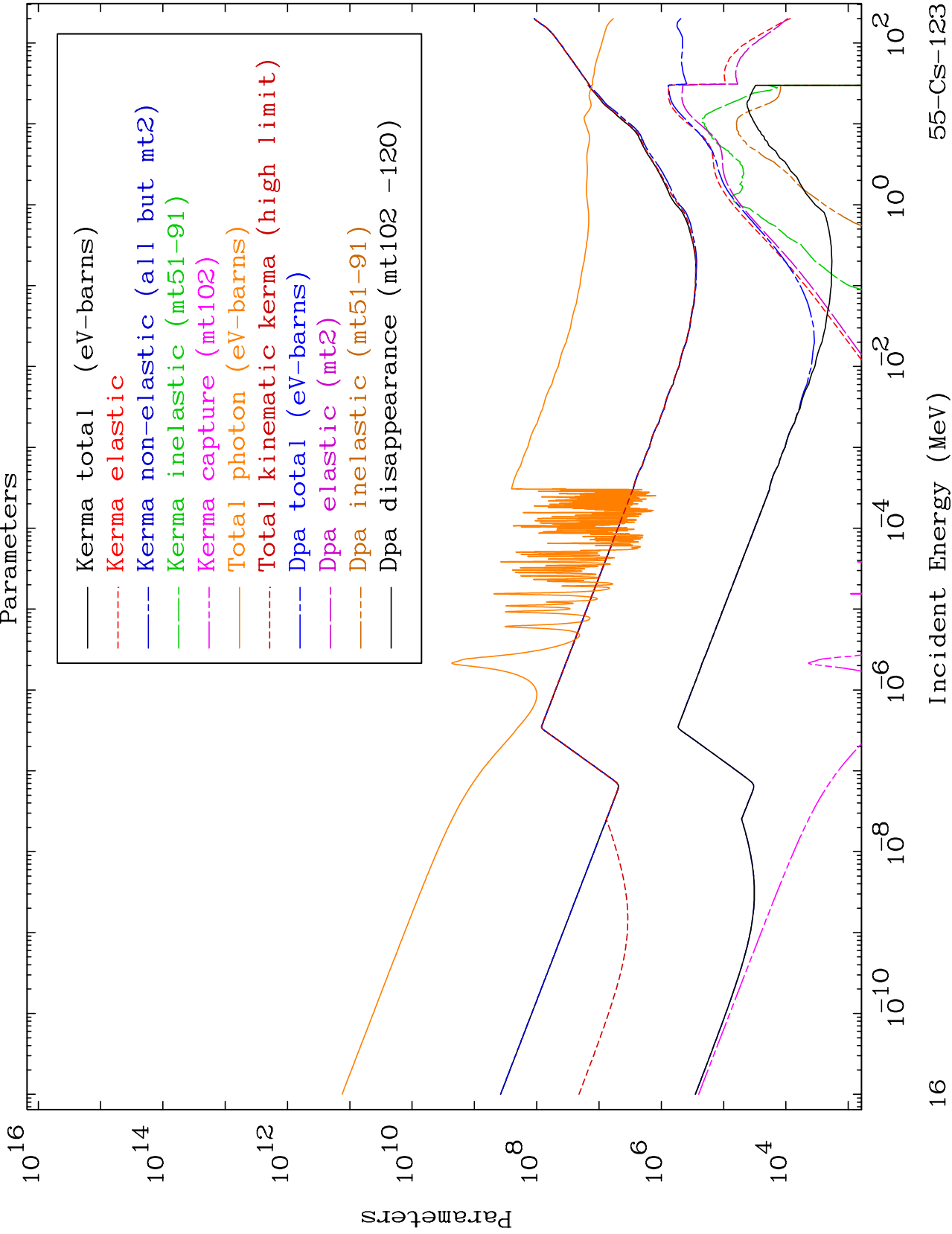
55-Cs-123



15

Incident Energy (MeV)

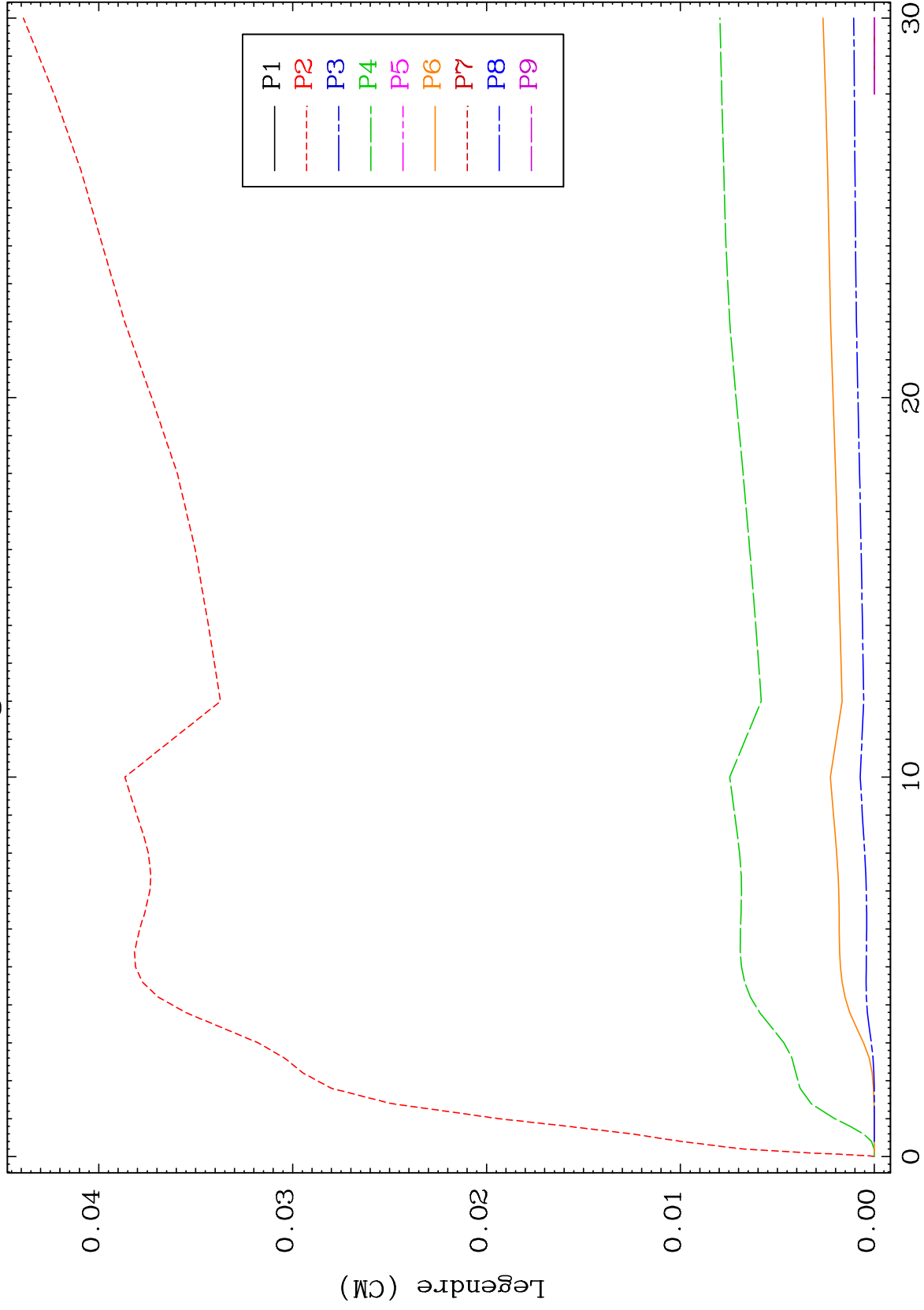
55-Cs-123



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Elastic Legendre Coefficients

55-Cs-123



17

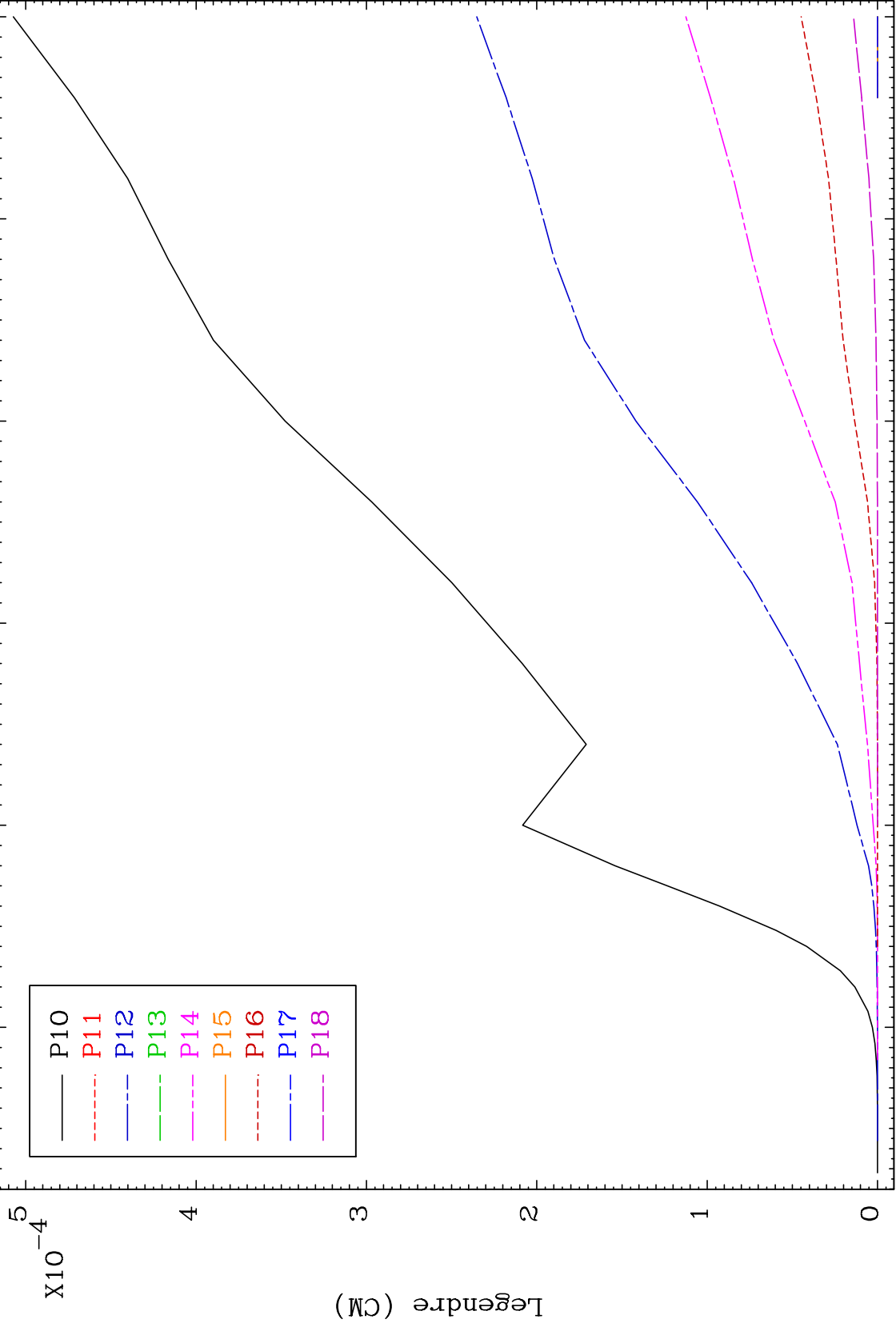
Incident Energy (MeV)

55-Cs-123

MAT 5496

Elastic Legendre Coefficients

55-Cs-123



18

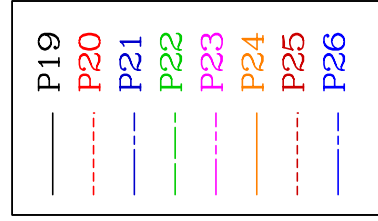
Incident Energy (MeV)

55-Cs-123

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Elastic Legendre Coefficients

55-Cs-123



$\times 10^{-7}$

Legendre (CM)



19

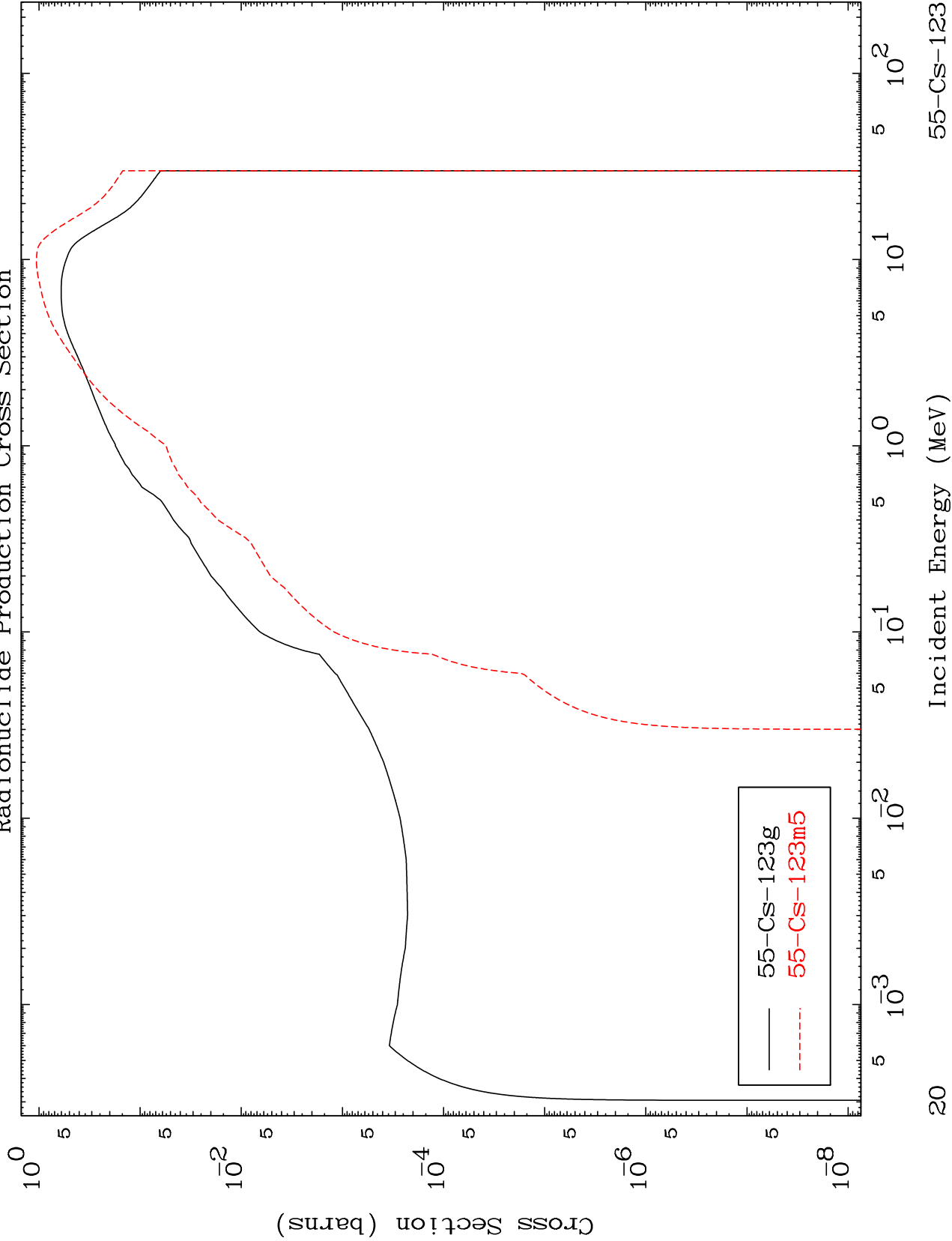
Incident Energy (MeV)

55-Cs-123

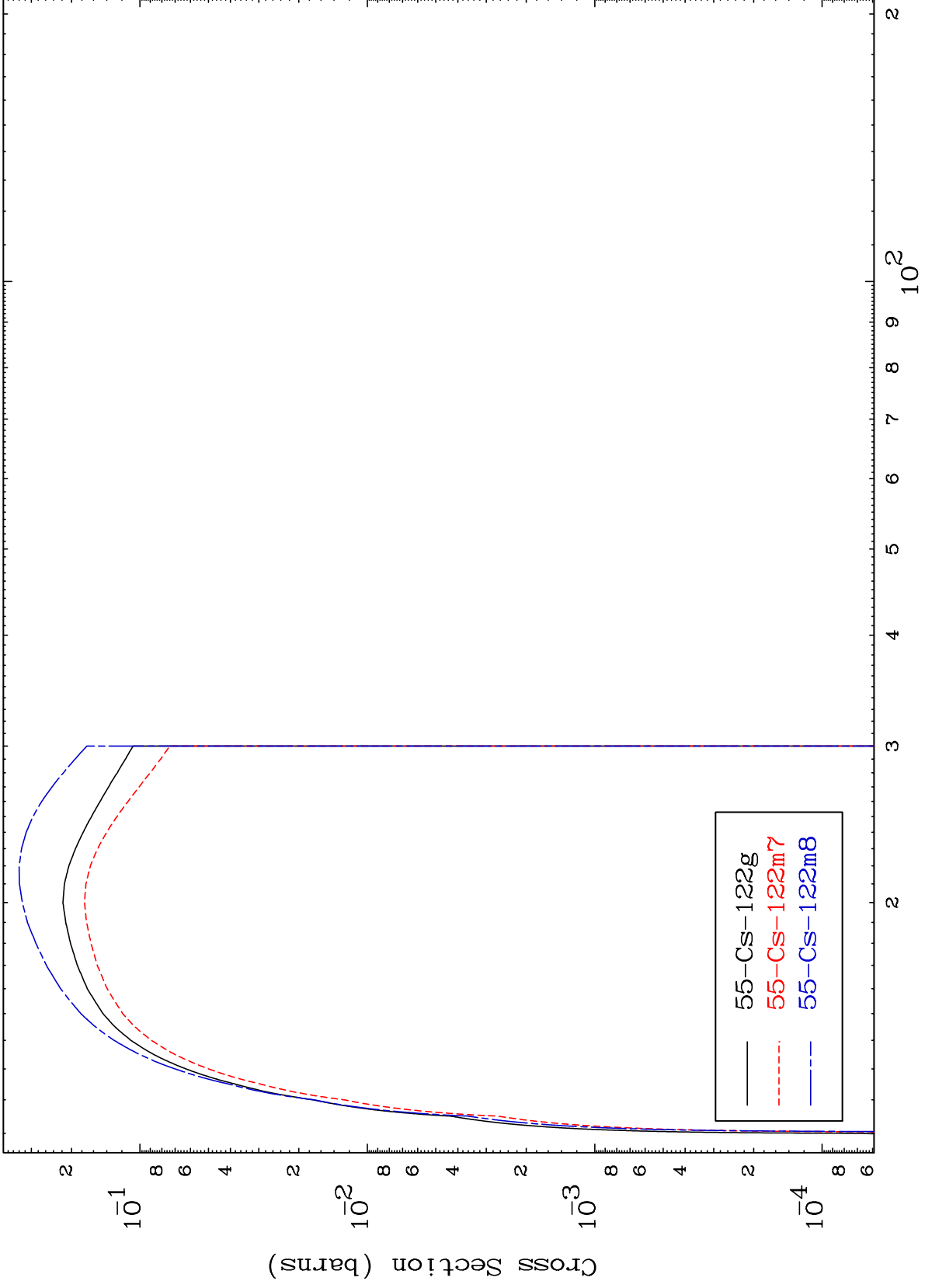
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55-Cs-123

Inelastic
Radionuclide Production Cross Section



(n,2n)
Radionuclide Production Cross Section

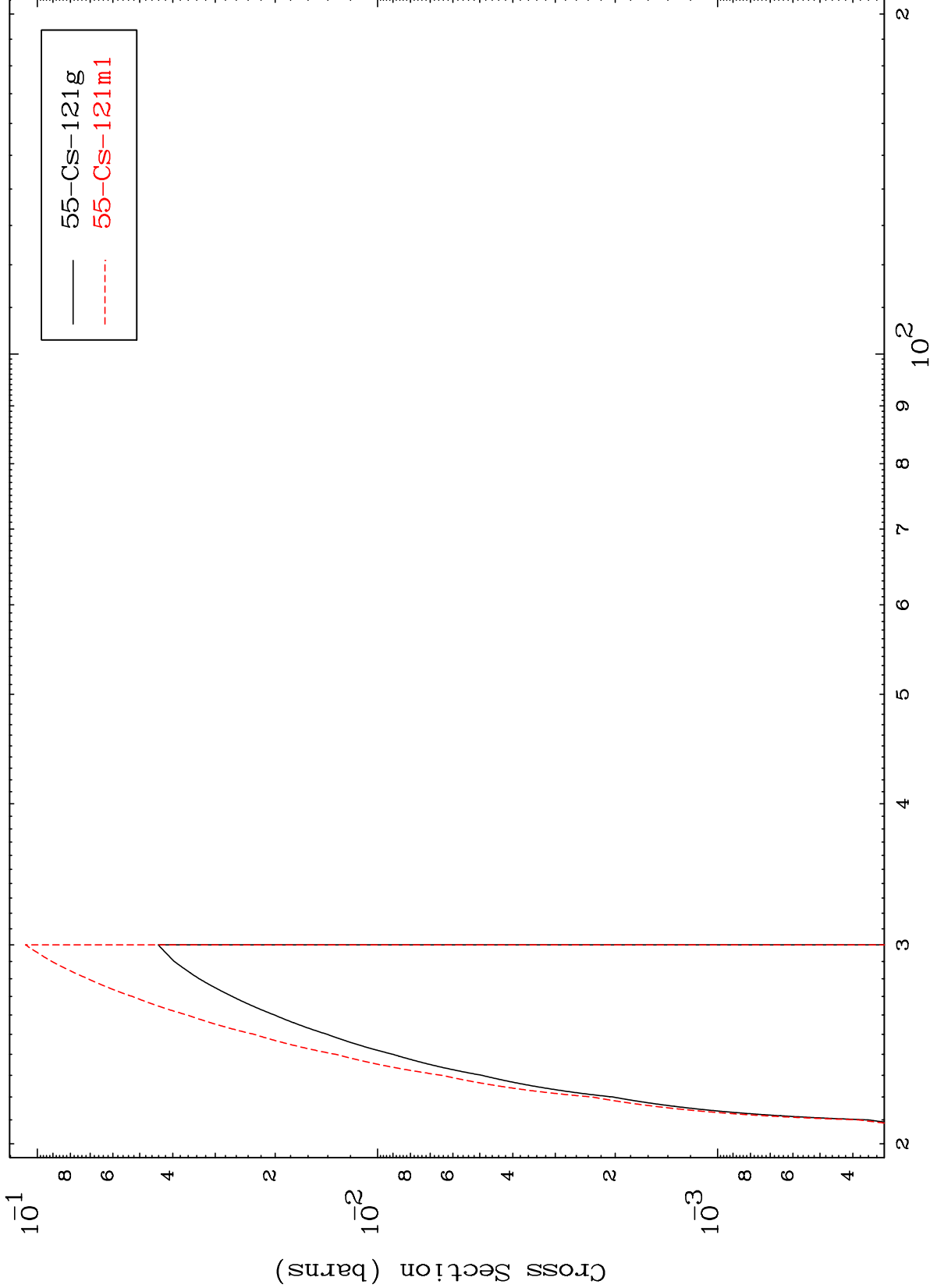


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(n,3n)

55-Cs-123

Radionuclide Production Cross Section



22

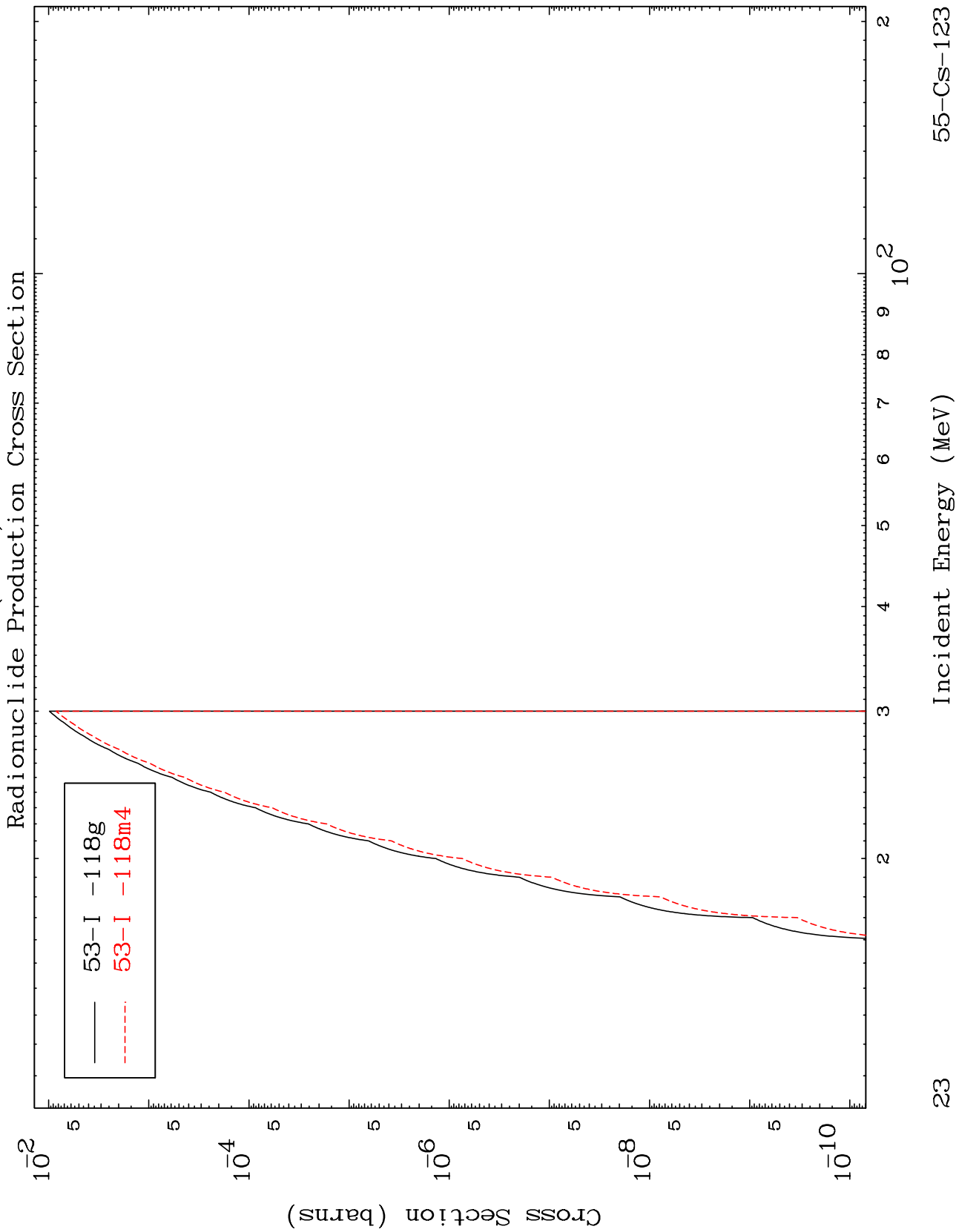
Incident Energy (MeV)

55-Cs-123

MAT 5496

(n,2n) α

55-Cs-123



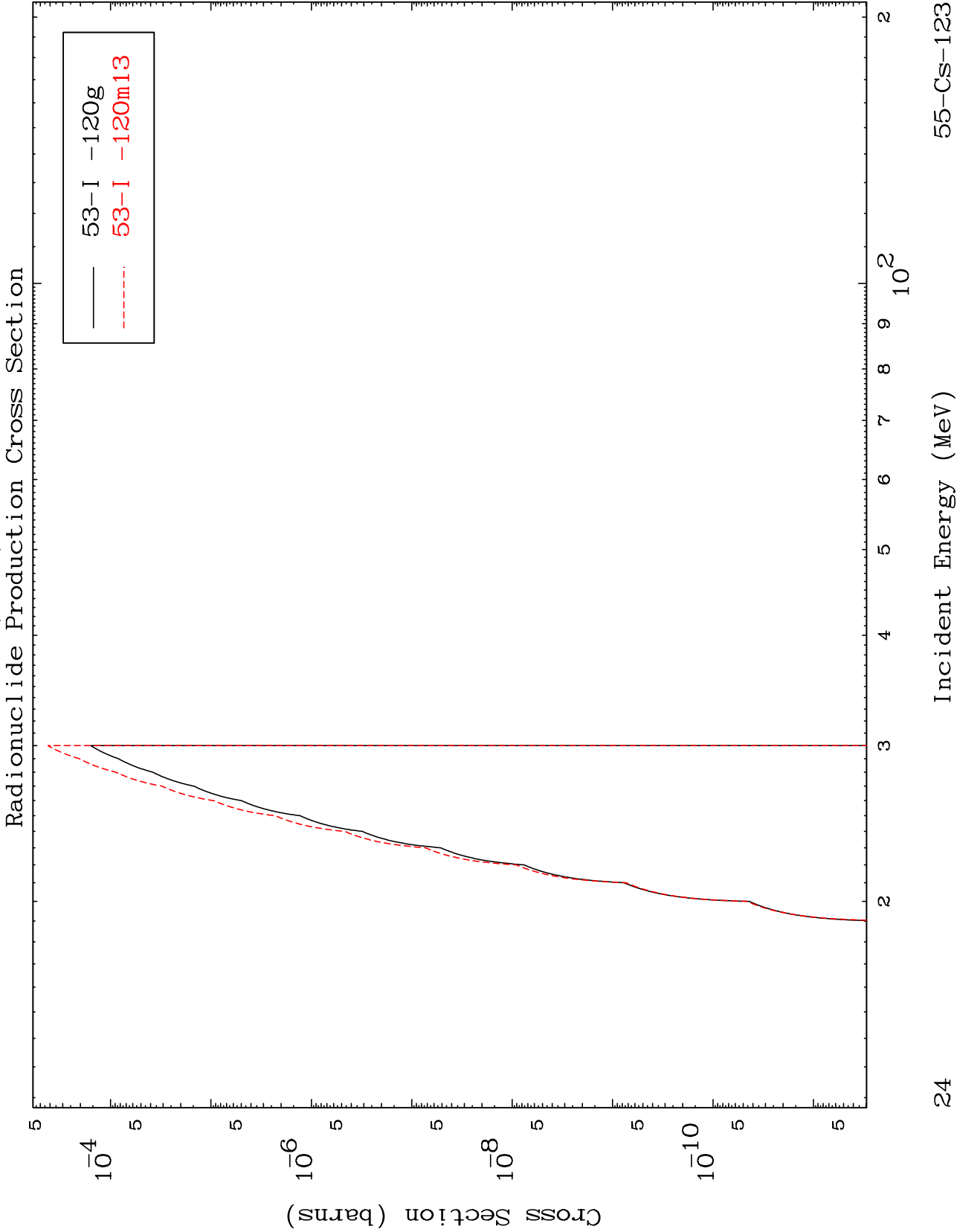
23

55-Cs-123

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(n,n') He-3

55-Cs-123



24

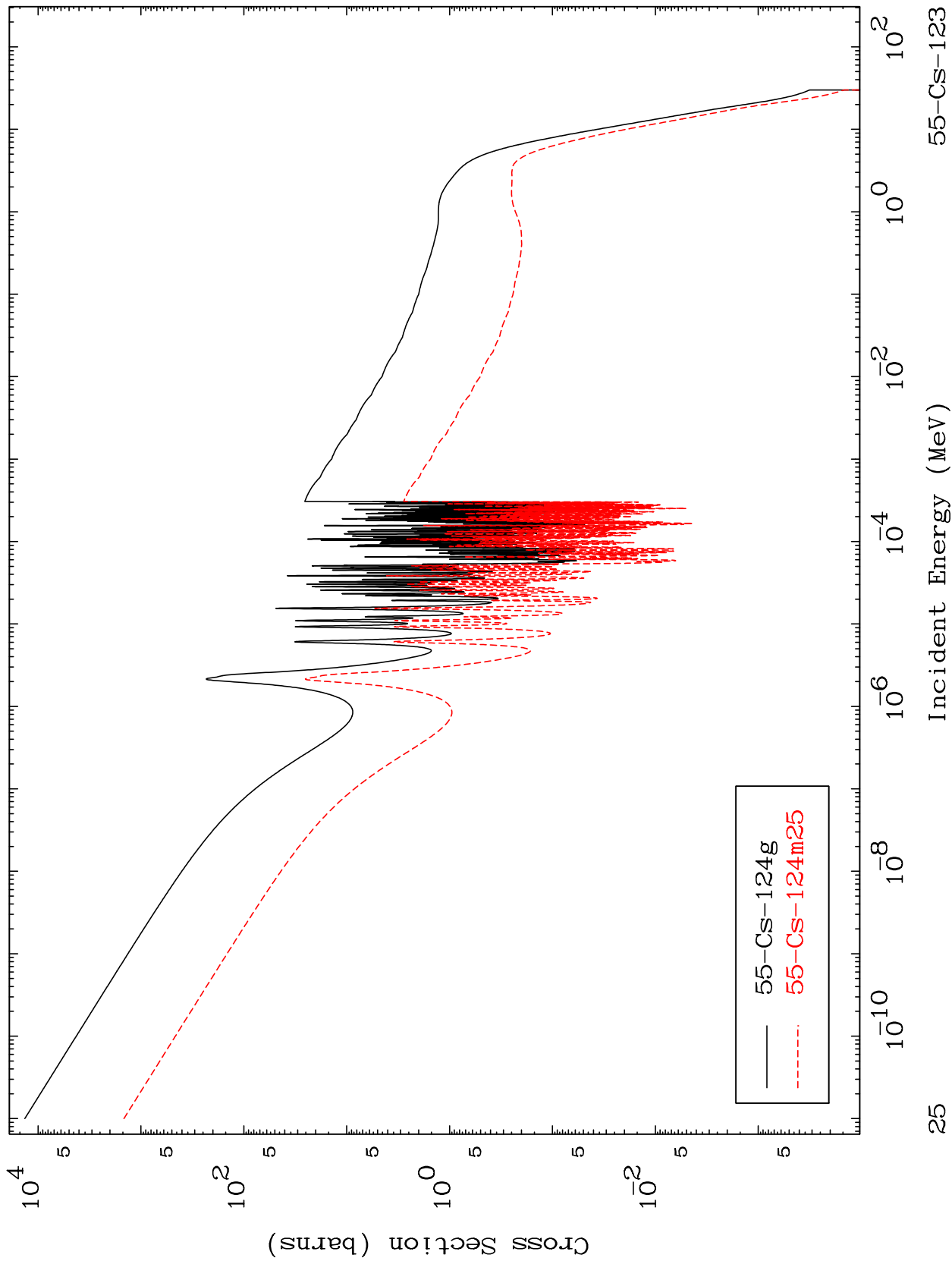
Incident Energy (MeV)

55-Cs-123

MAT 5496

55-Cs-123

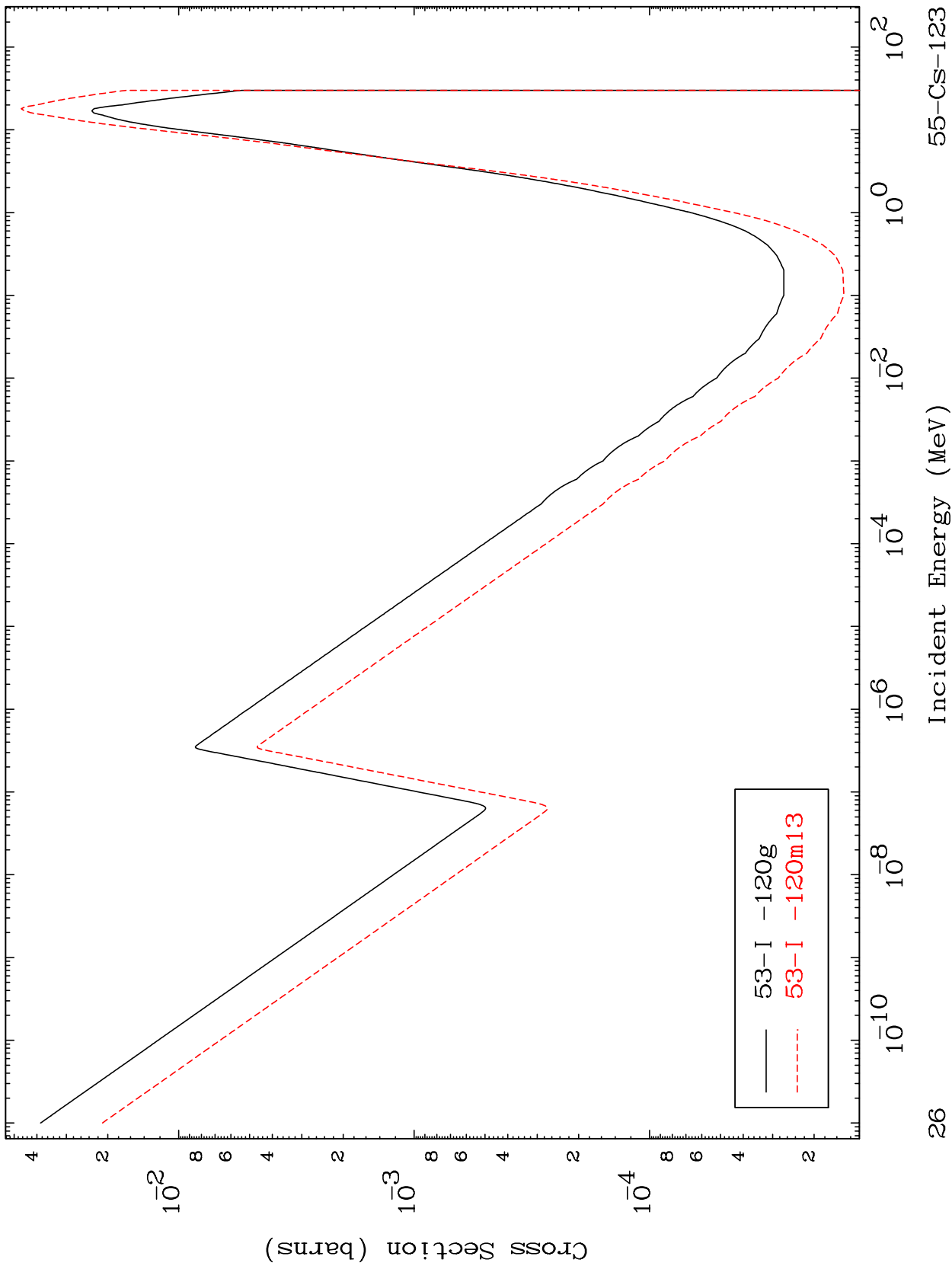
(n, γ)
Radionuclide Production Cross Section



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55-Cs-123

Radionuclide Production Cross Section
(n, α)

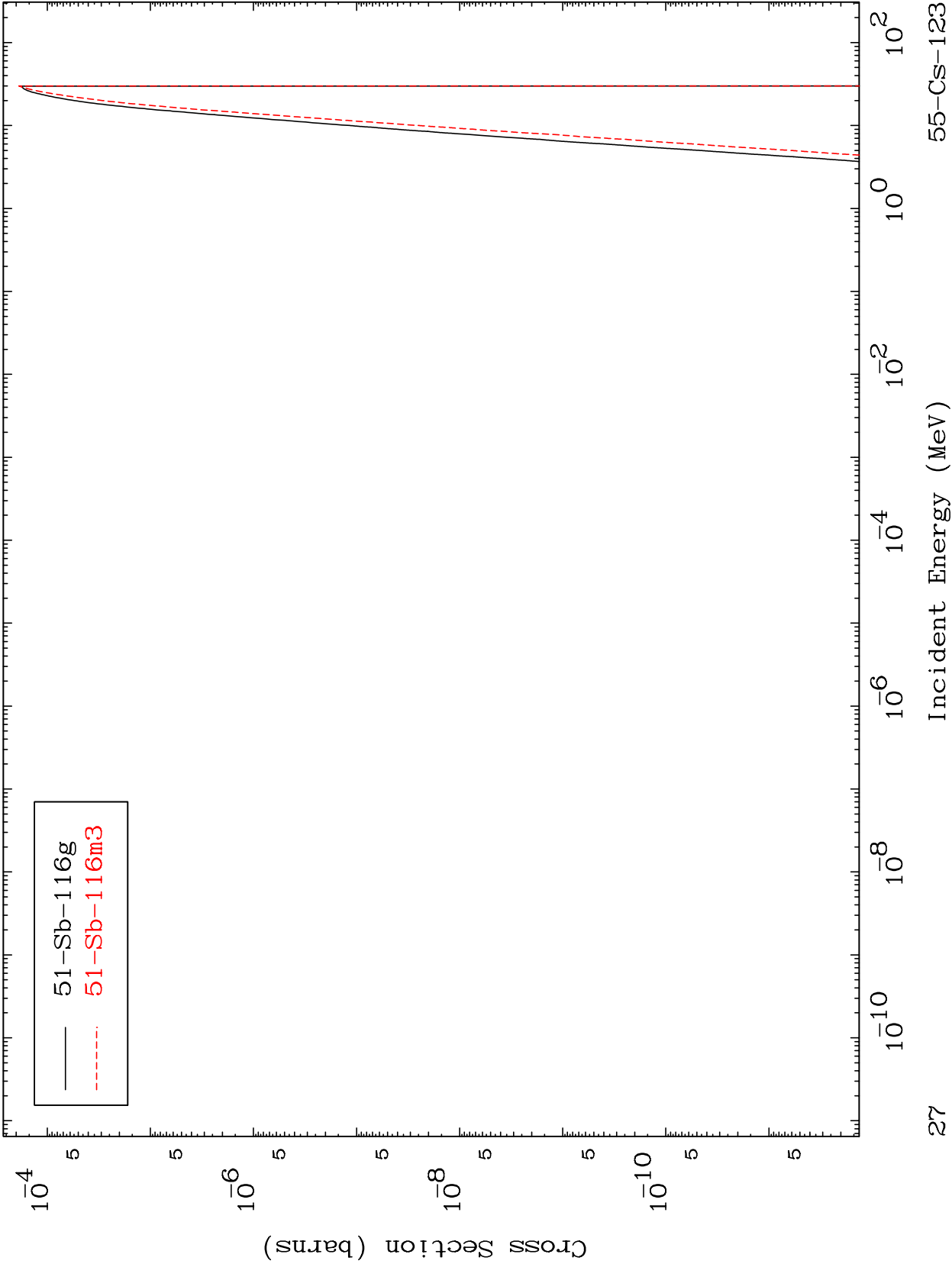


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(n,2α)

55-Cs-123

Radionuclide Production Cross Section



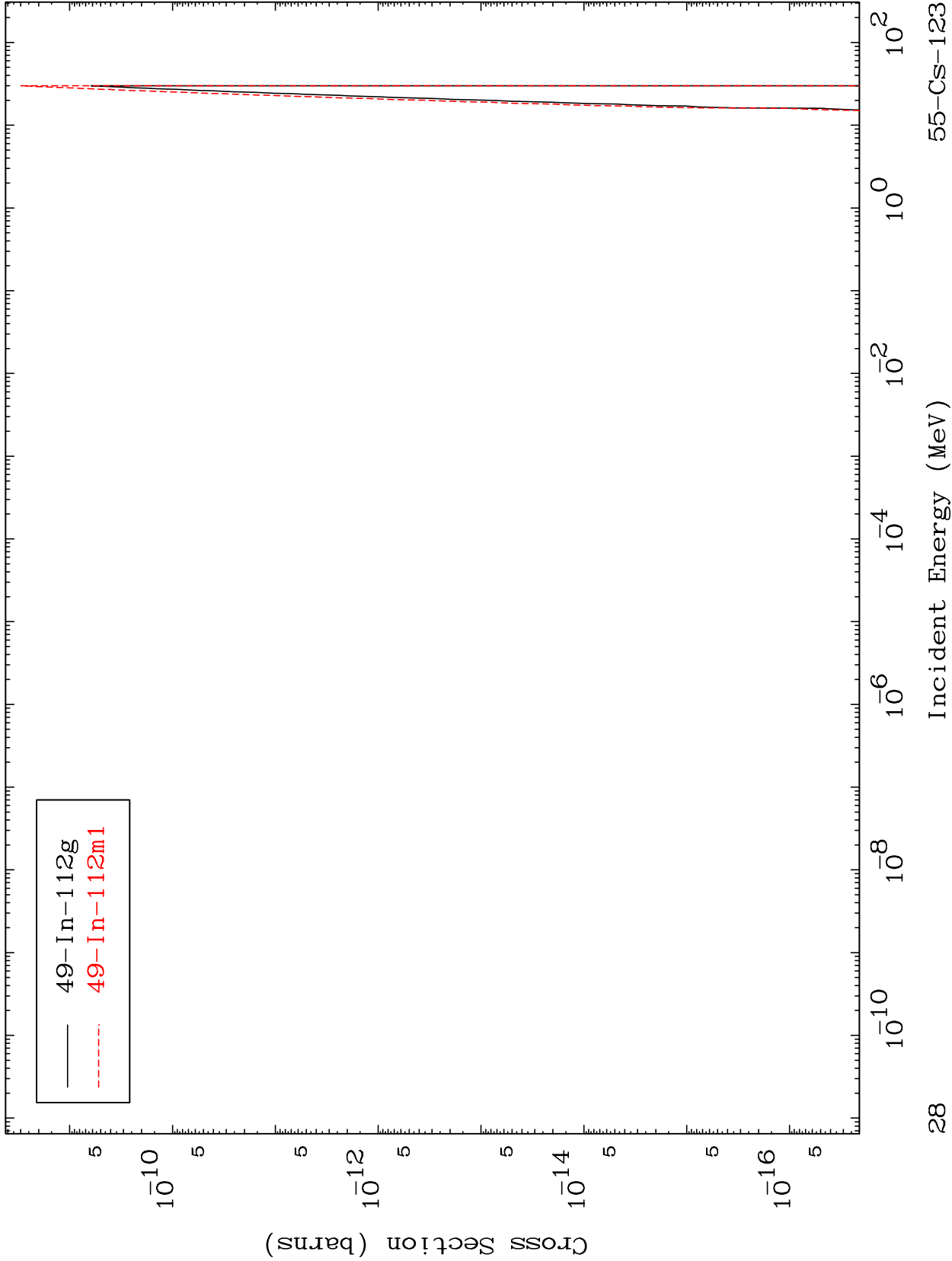
51-Sb-116g
51-Sb-116m3

MAT 5496

(n,3 α)

55-Cs-123

Radionuclide Production Cross Section

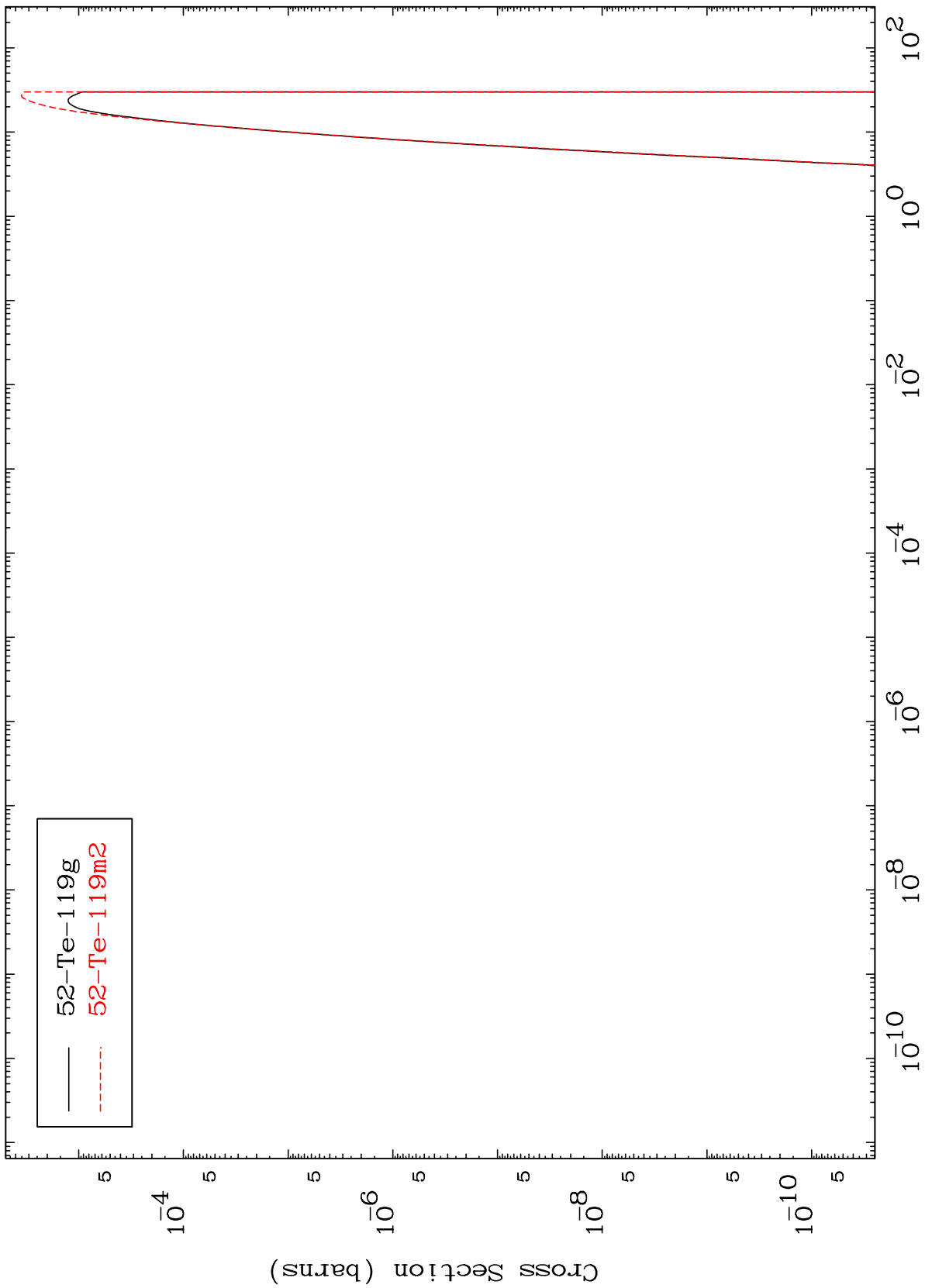


MAT 5496

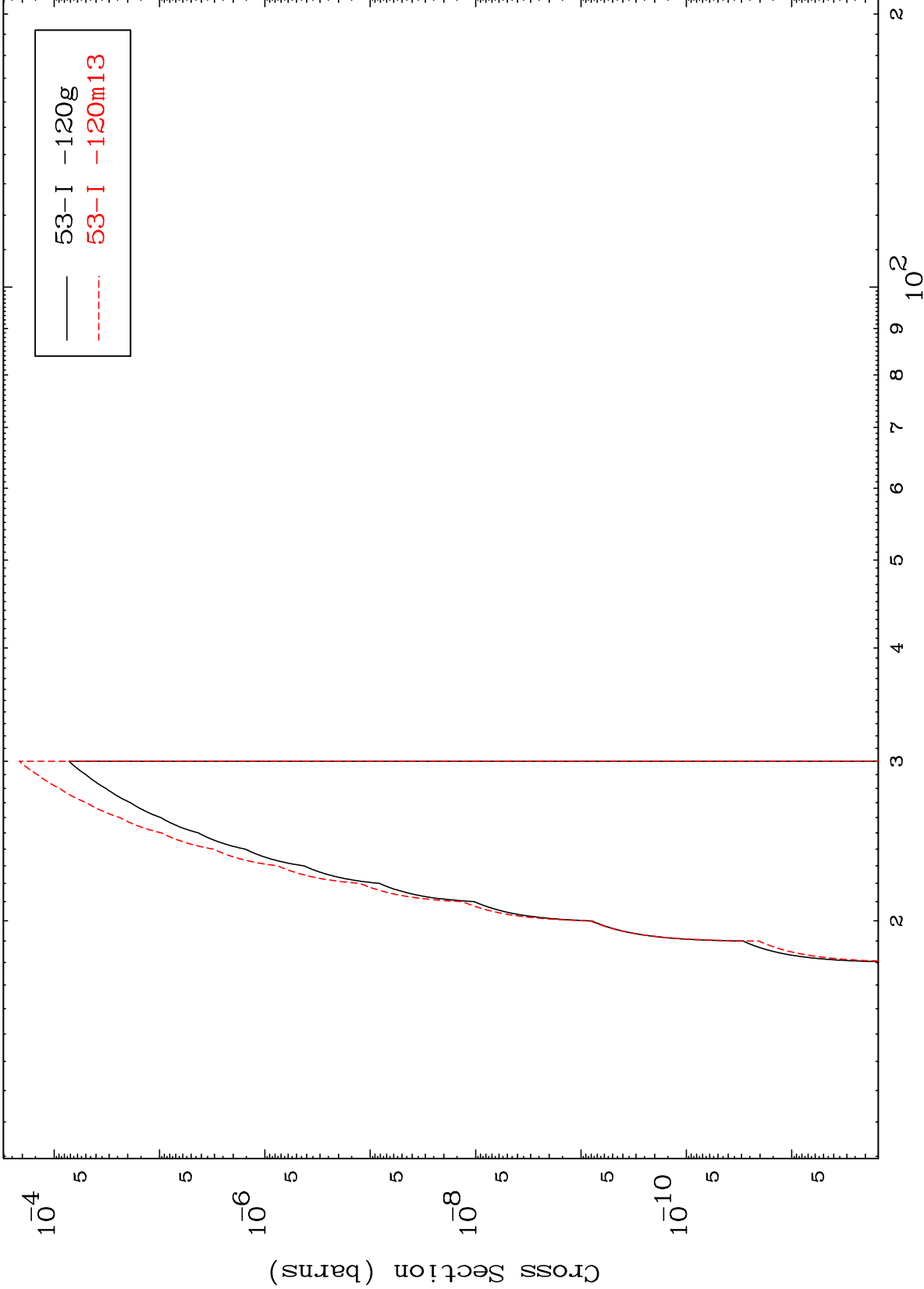
(n,p) α

55-Cs-123

Radionuclide Production Cross Section



Radionuclide Production Cross Section



53-I -120g
53-I -120m13