

Program EVALPLOT
(Version 2015-2)

by

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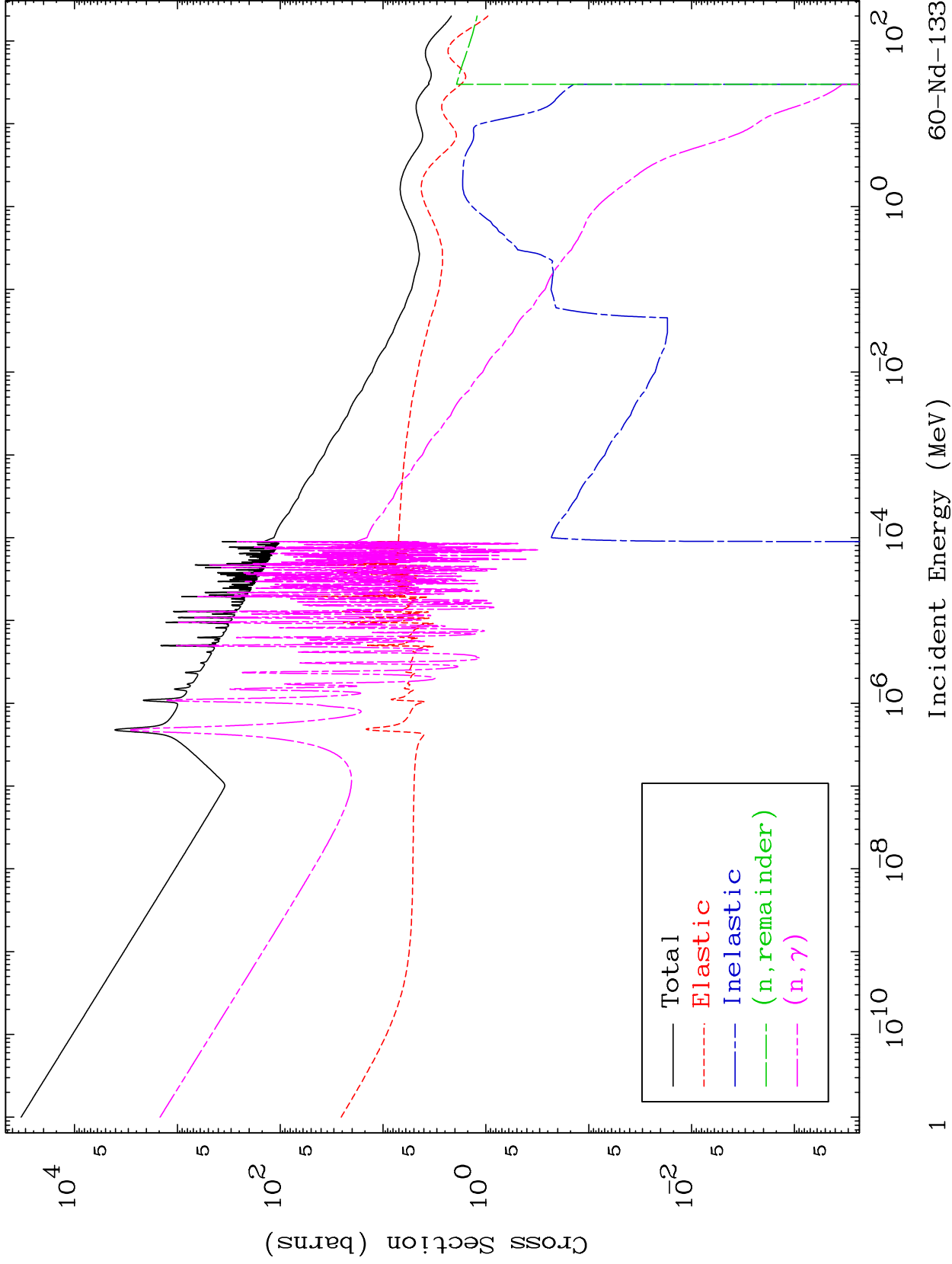
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5999

Major
293 Kelvin Cross Sections

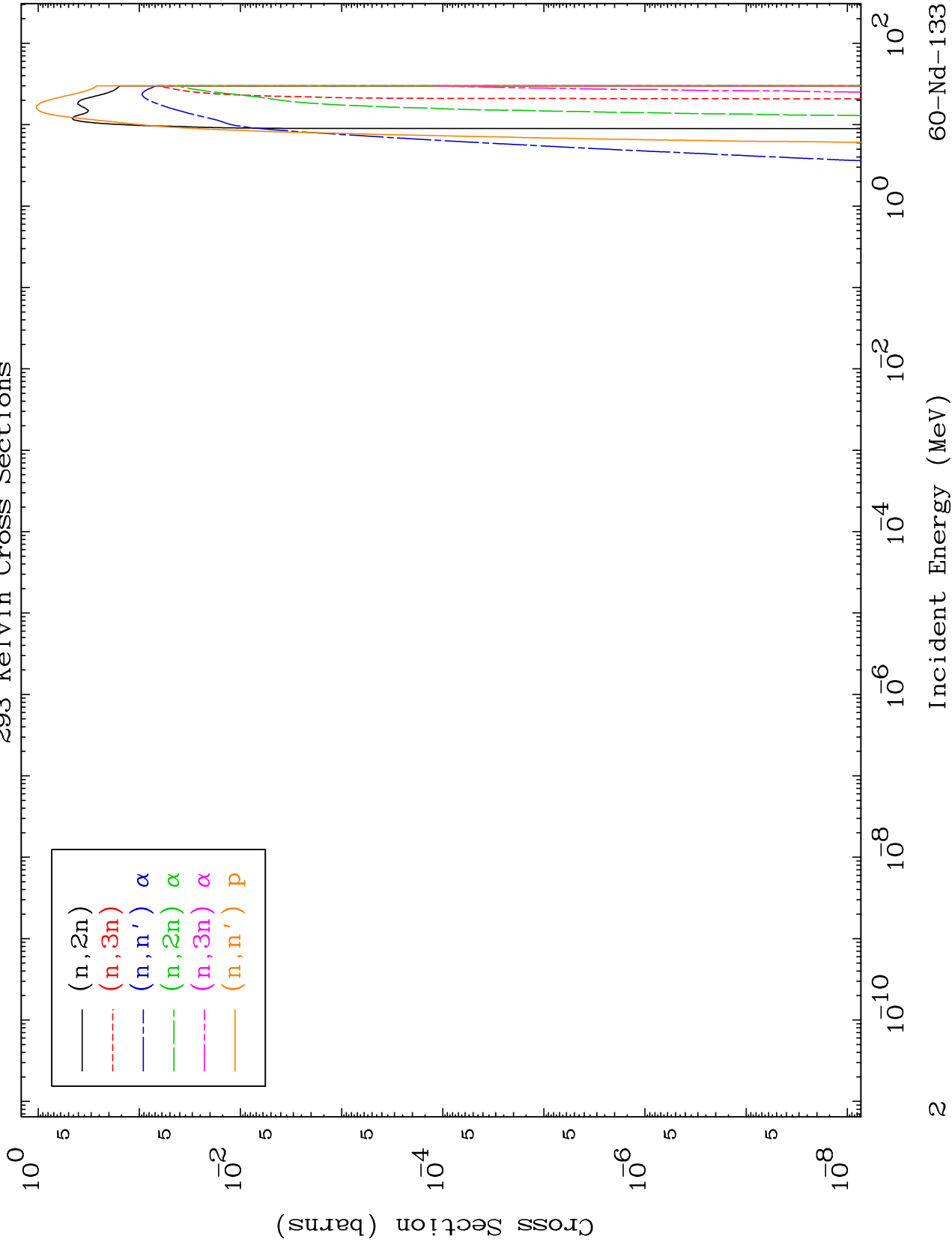
60-Nd-133



MAT 5999

Neutron Production
293 Kelvin Cross Sections

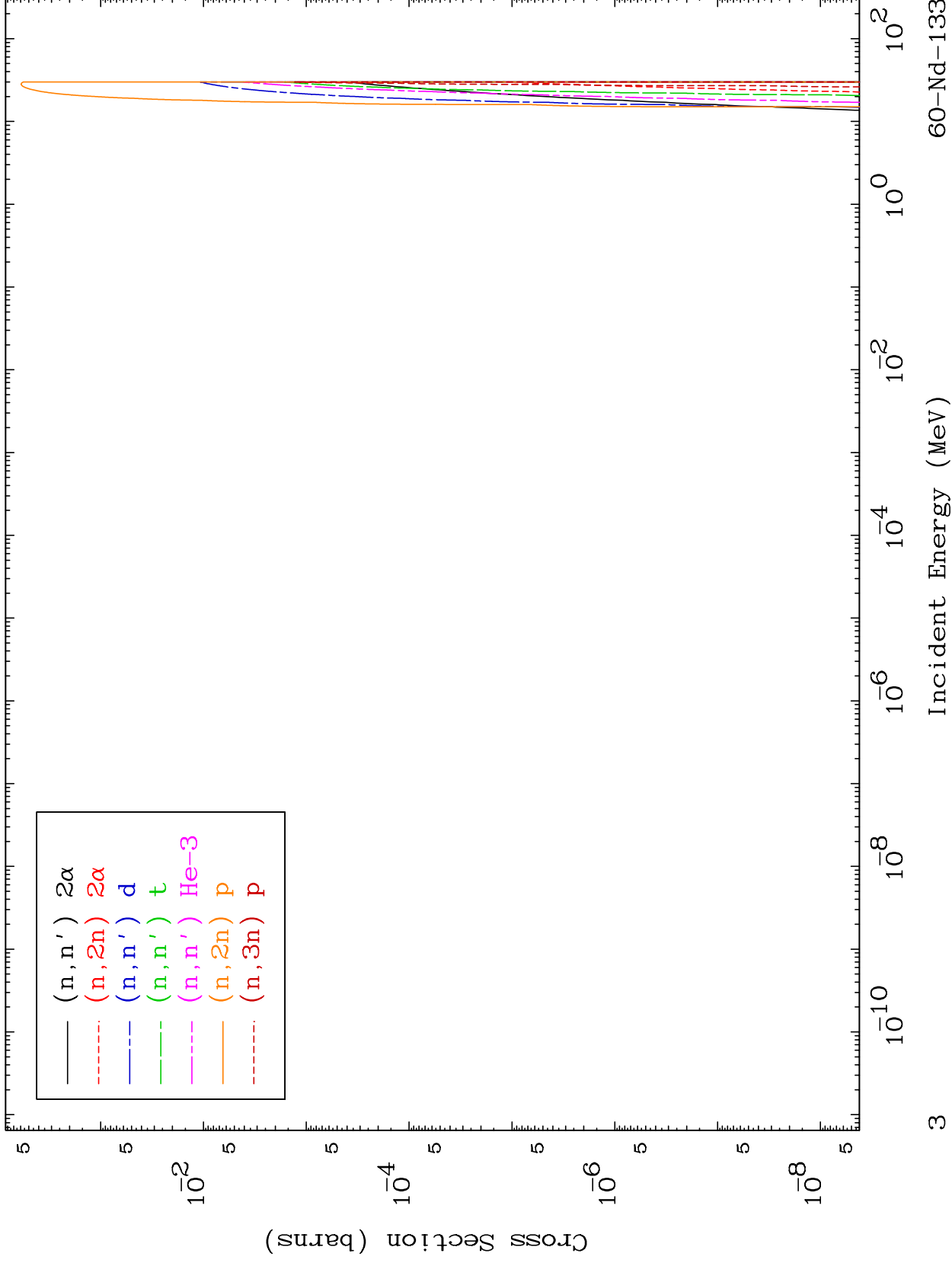
60-Nd-133



MAT 5999

Neutron Production
293 Kelvin Cross Sections

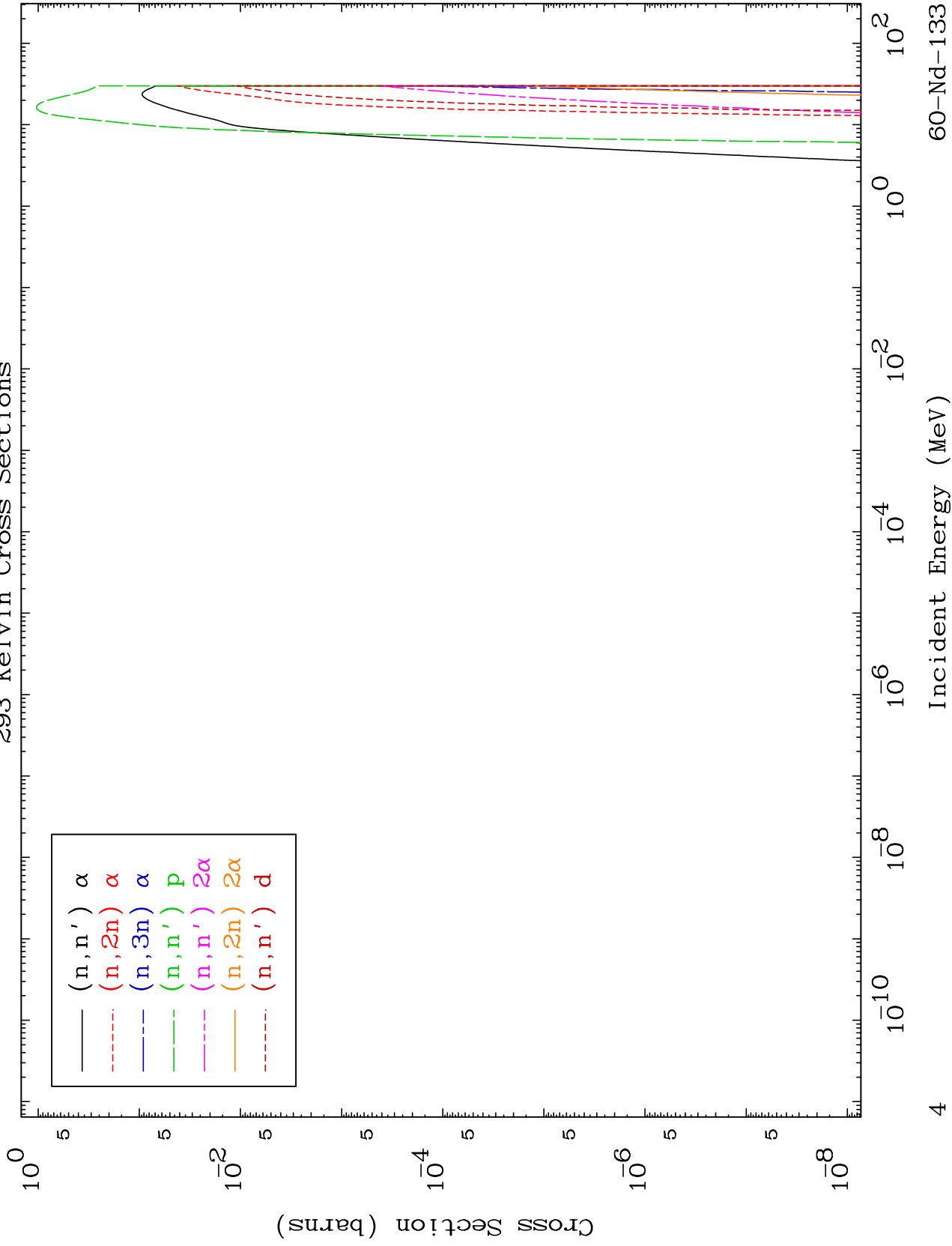
60-Nd-133



MAT 5999

Charged Particle
293 Kelvin Cross Sections

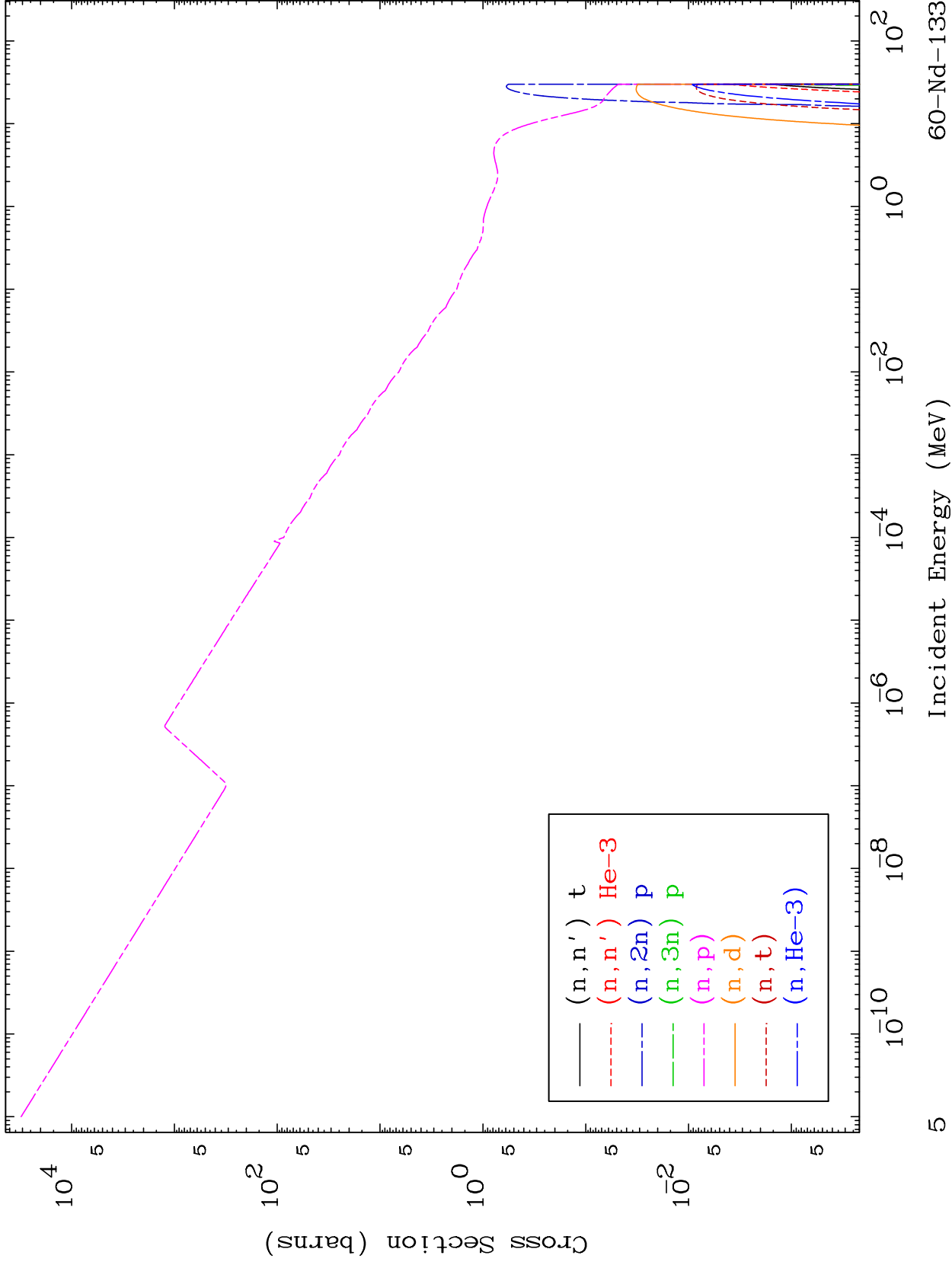
60-Nd-133



MAT 5999

Charged Particle
293 Kelvin Cross Sections

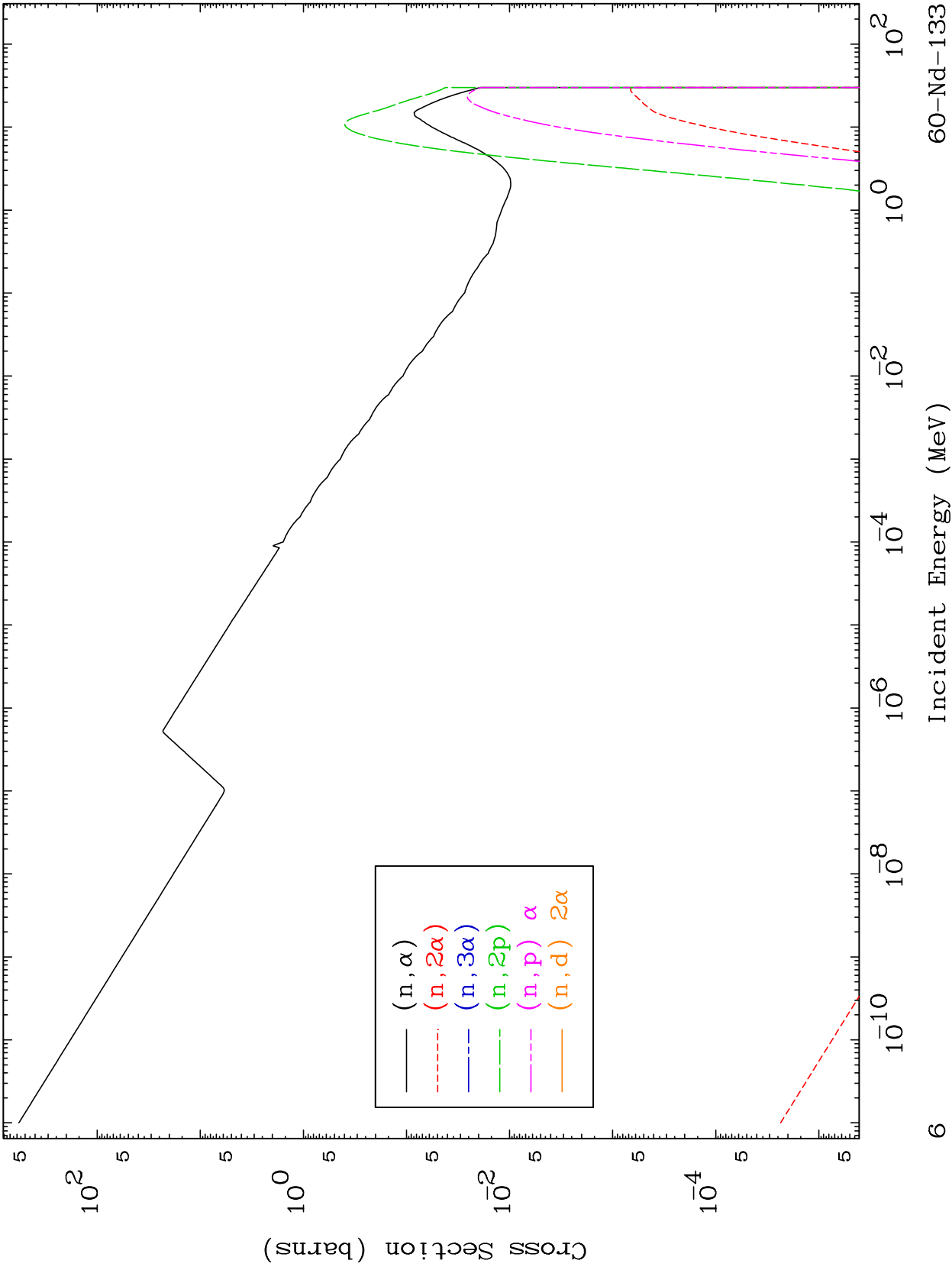
60-Nd-133



MAT 5999

Charged Particle
293 Kelvin Cross Sections

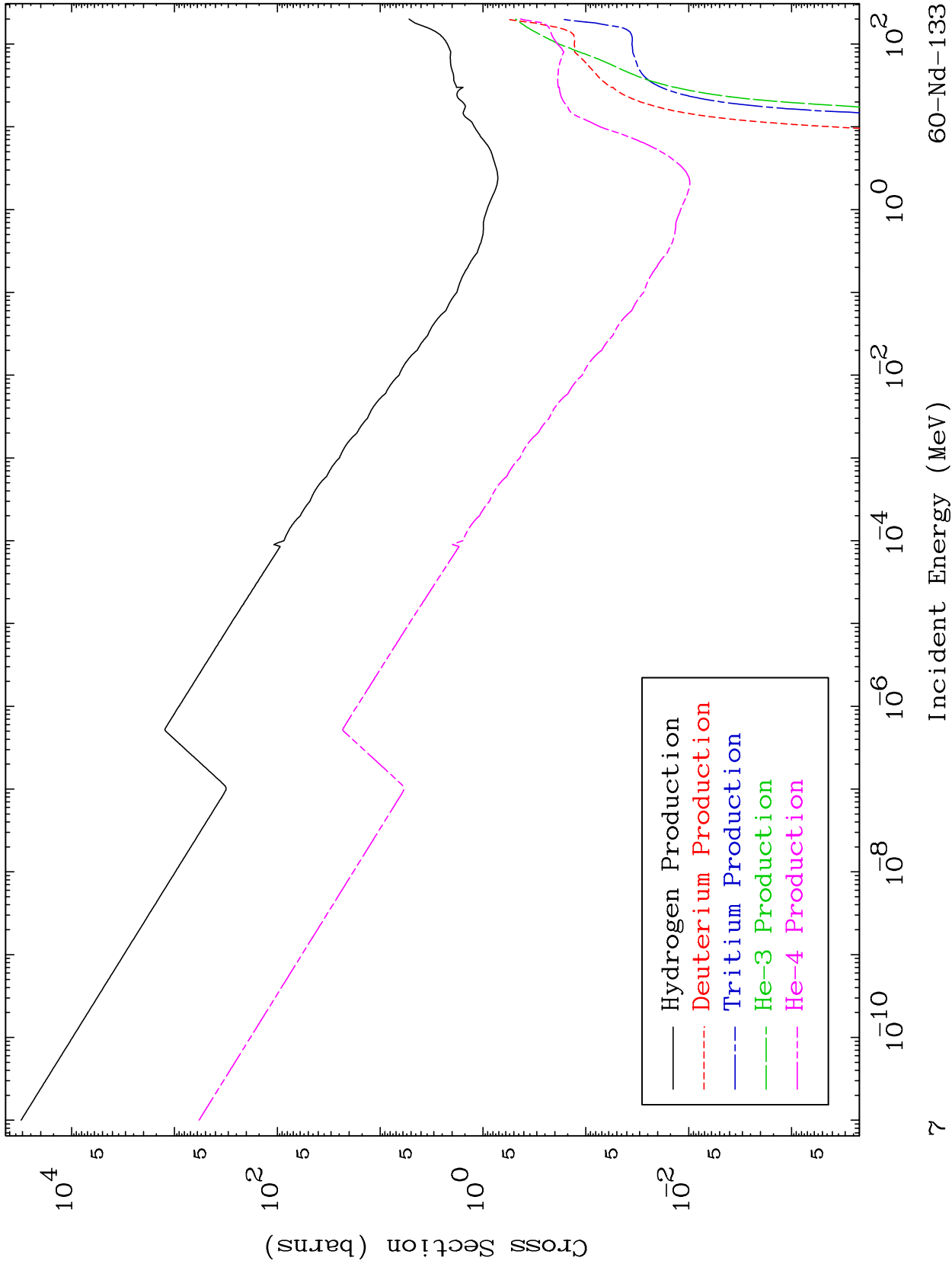
60-Nd-133



MAT 5999

Particle Production
293 Kelvin Cross Sections

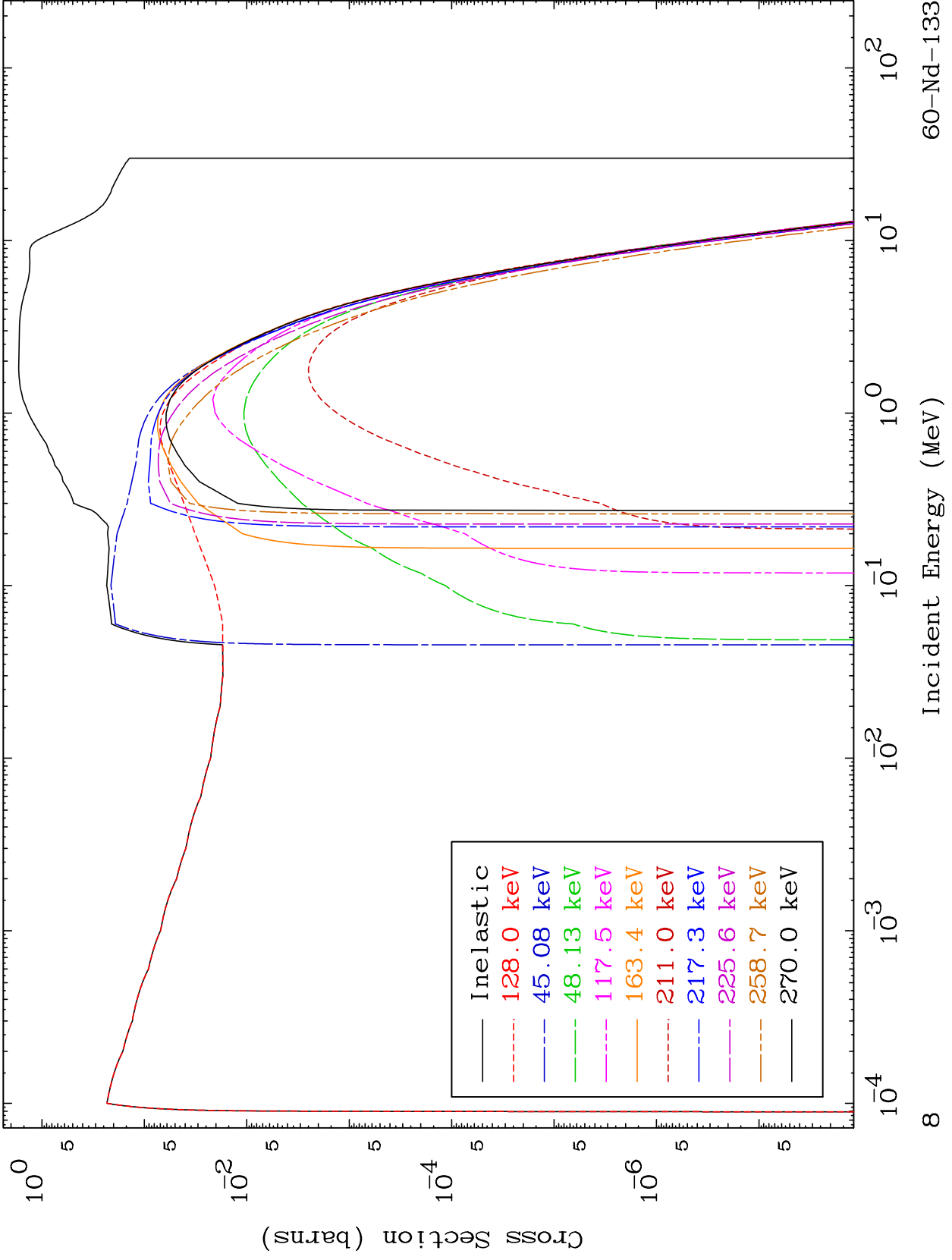
60-Nd-133



MAT 5999

(n,n') Level
293 Kelvin Cross Sections

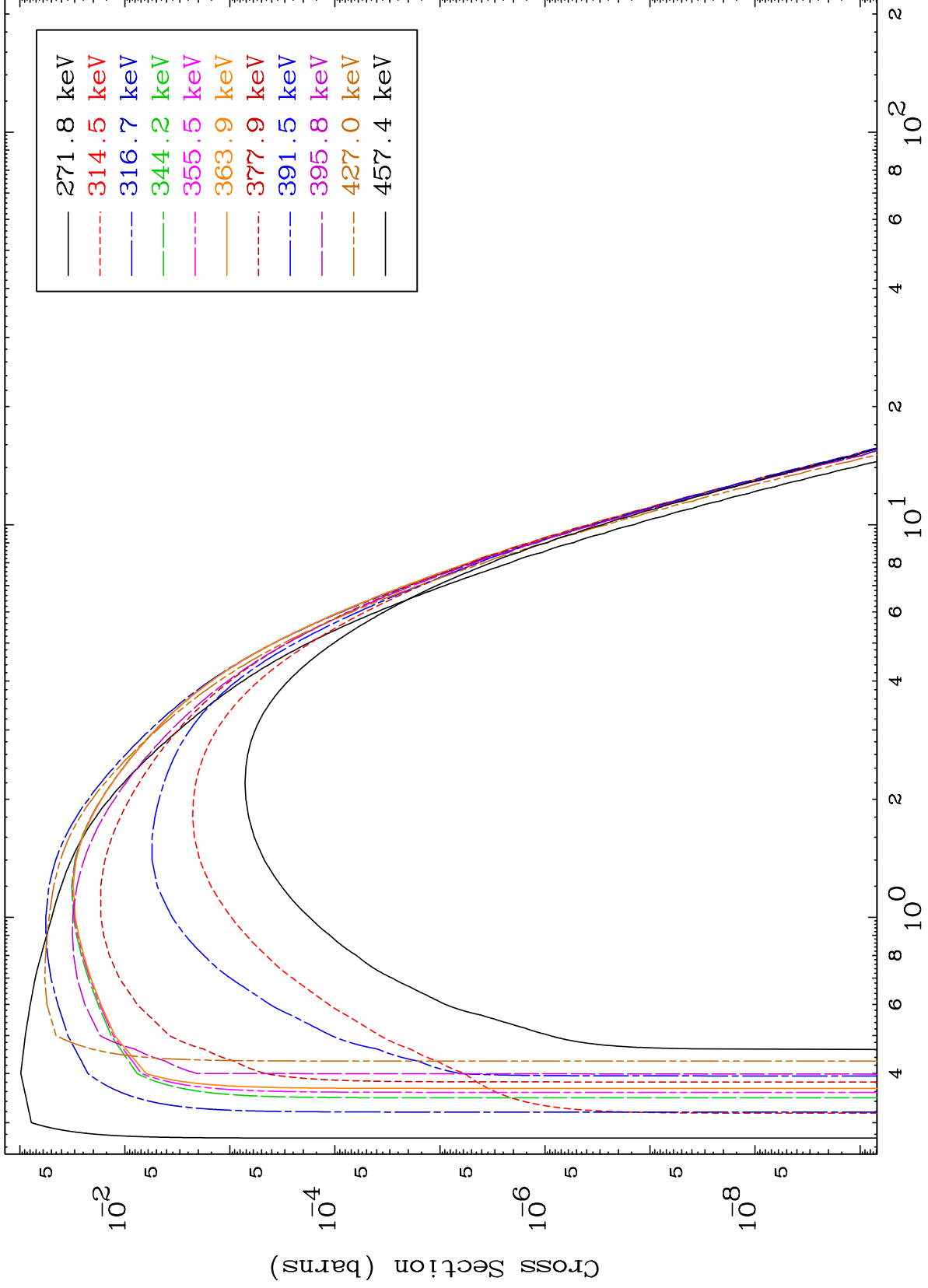
60-Nd-133



MAT 5999

(n,n') Level
293 Kelvin Cross Sections

60-Nd-133



9

Incident Energy (MeV)

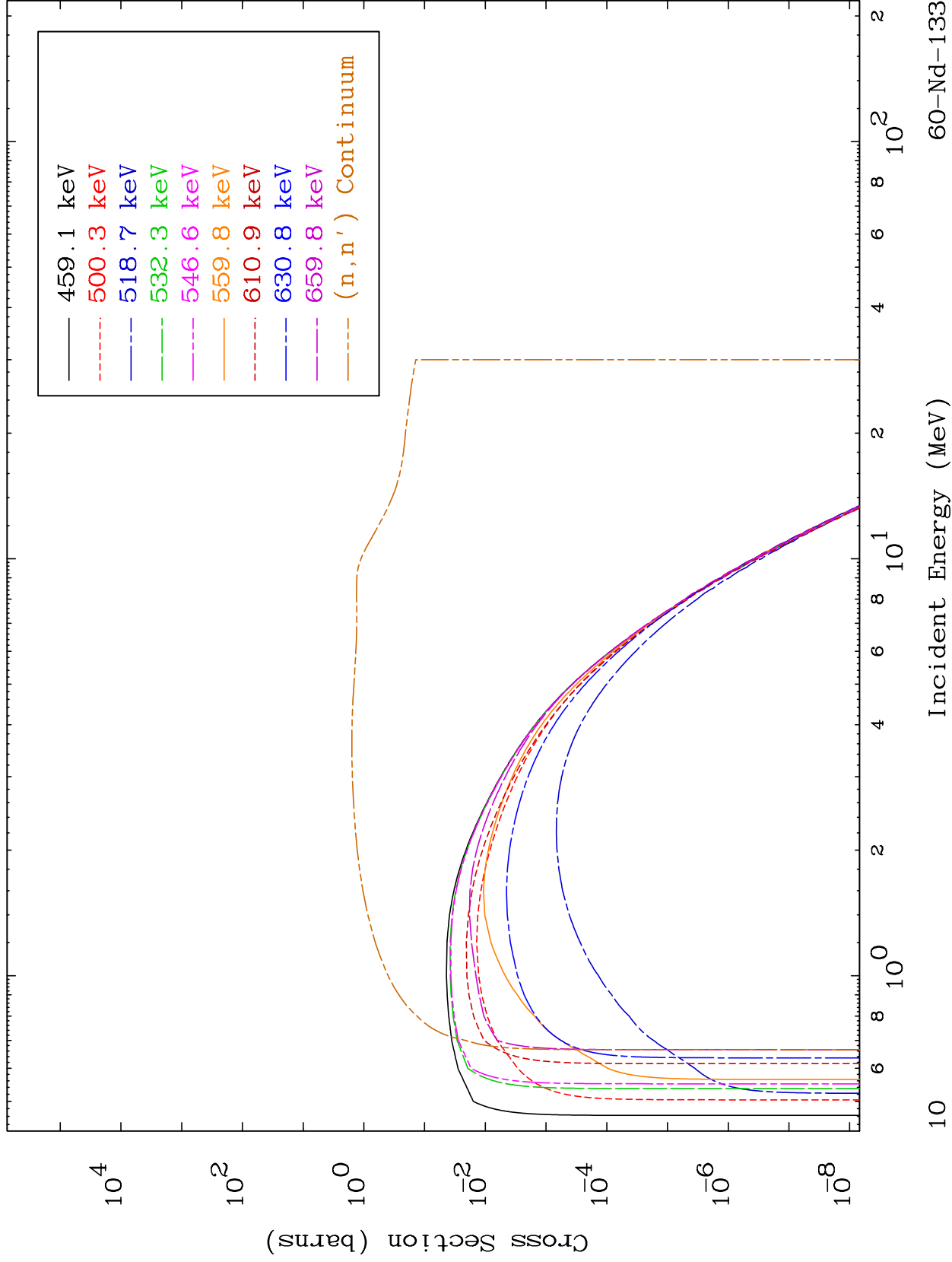
60-Nd-133

MAT 5999

(n,n') Level

60-Nd-133

293 Kelvin Cross Sections



10

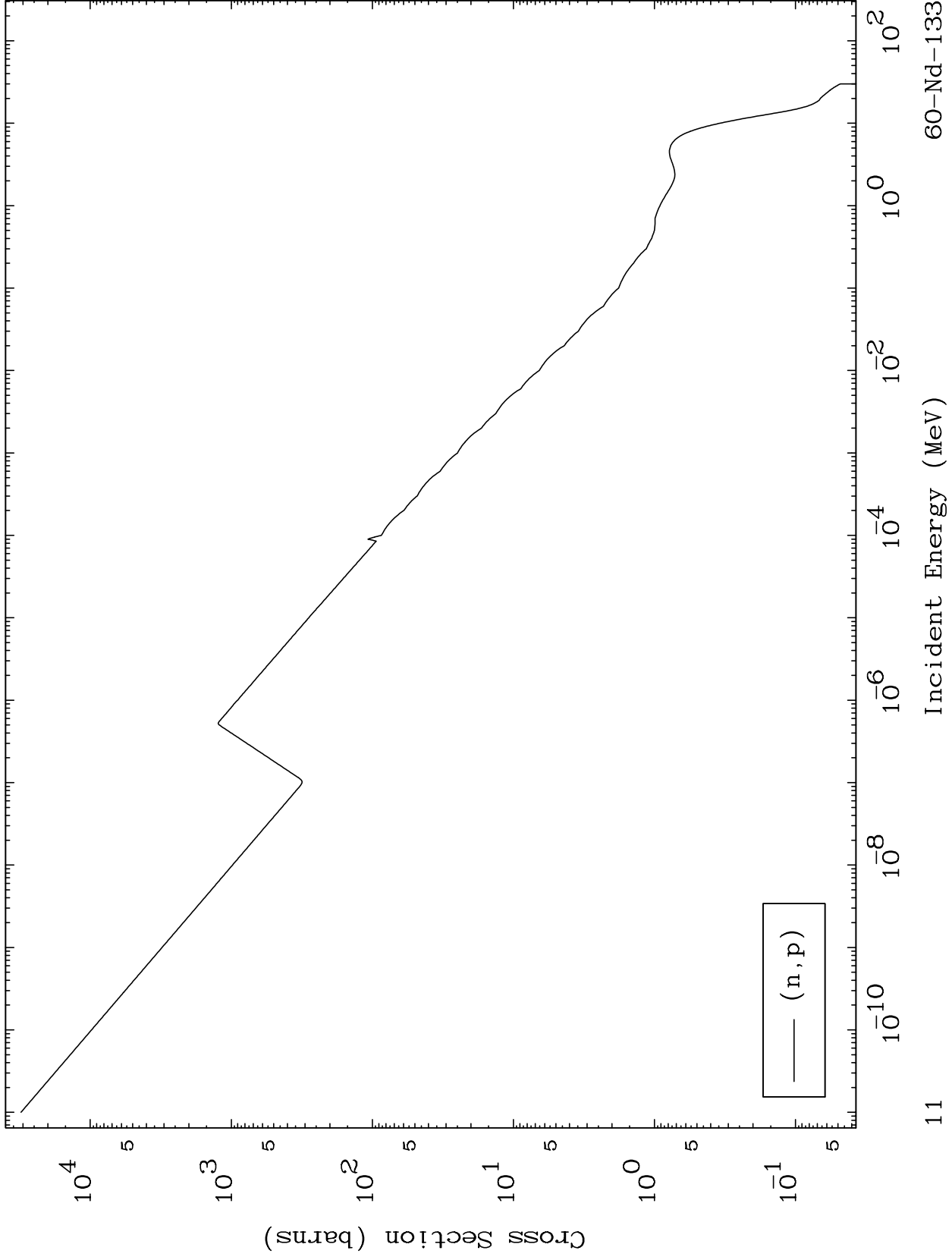
Incident Energy (MeV)

60-Nd-133

MAT 5999

(n,p) Levels
293 Kelvin Cross Sections

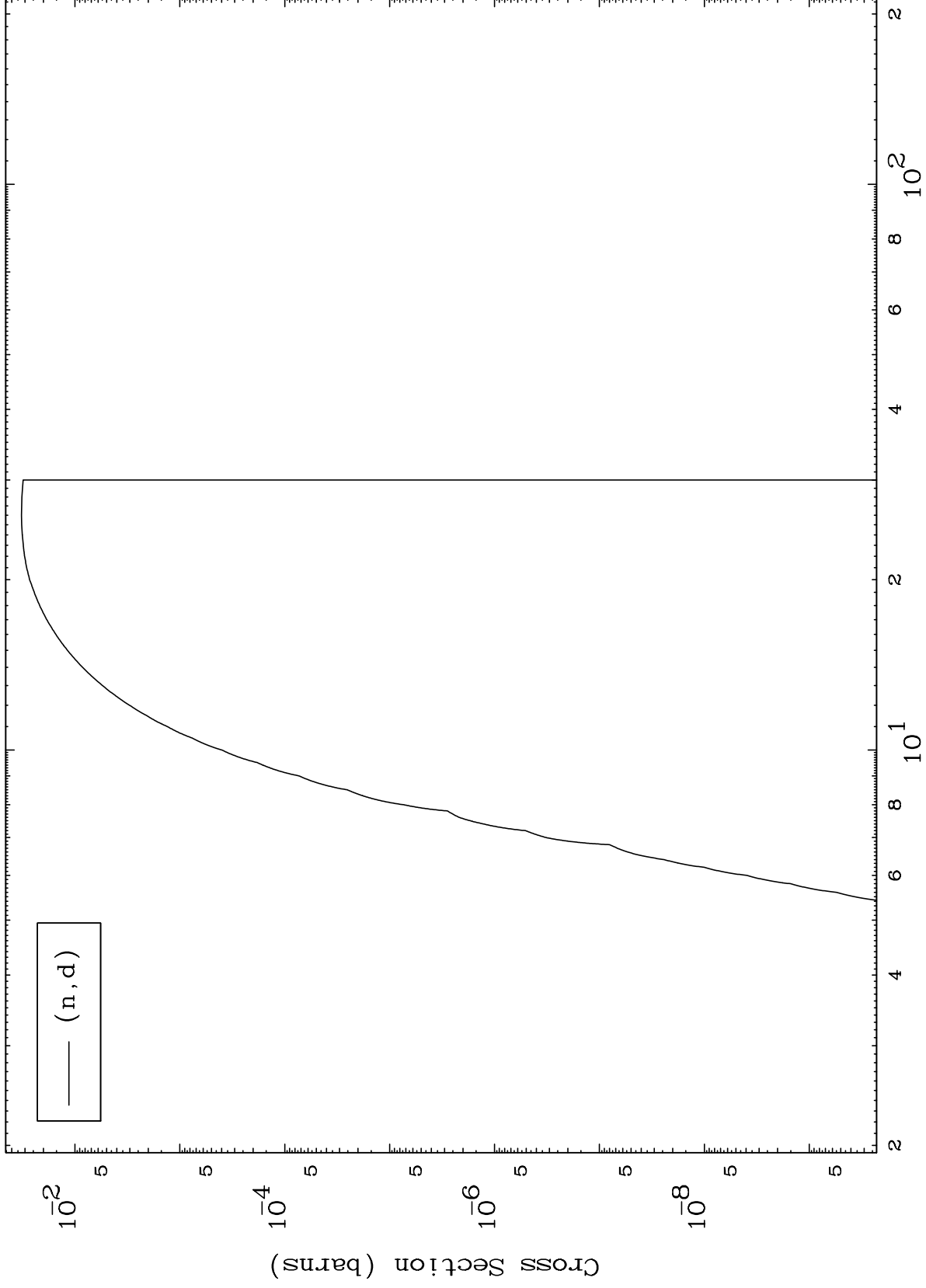
60-Nd-133



MAT 5999

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-133



12

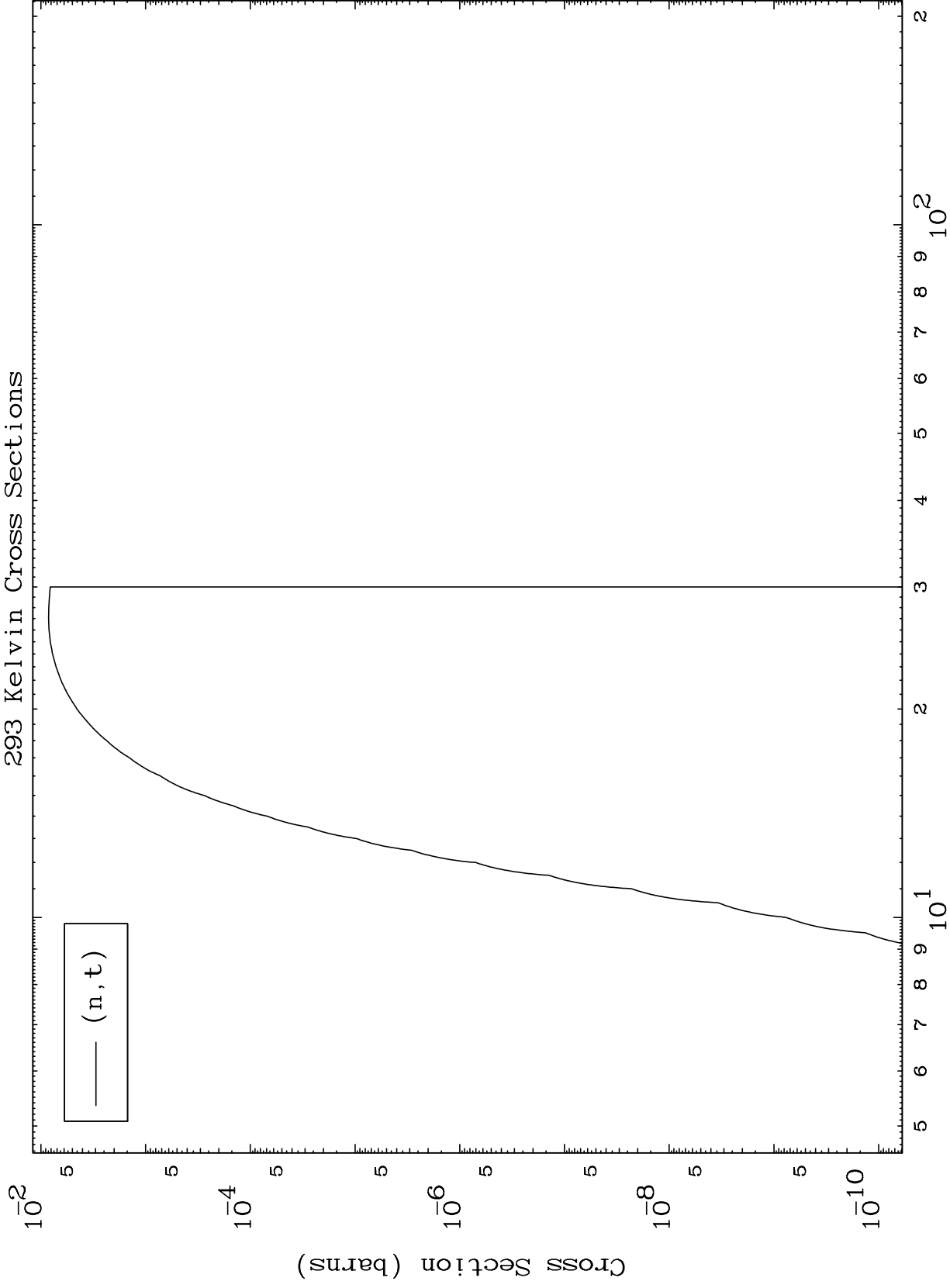
Incident Energy (MeV)

60-Nd-133

MAT 5999

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-133



13

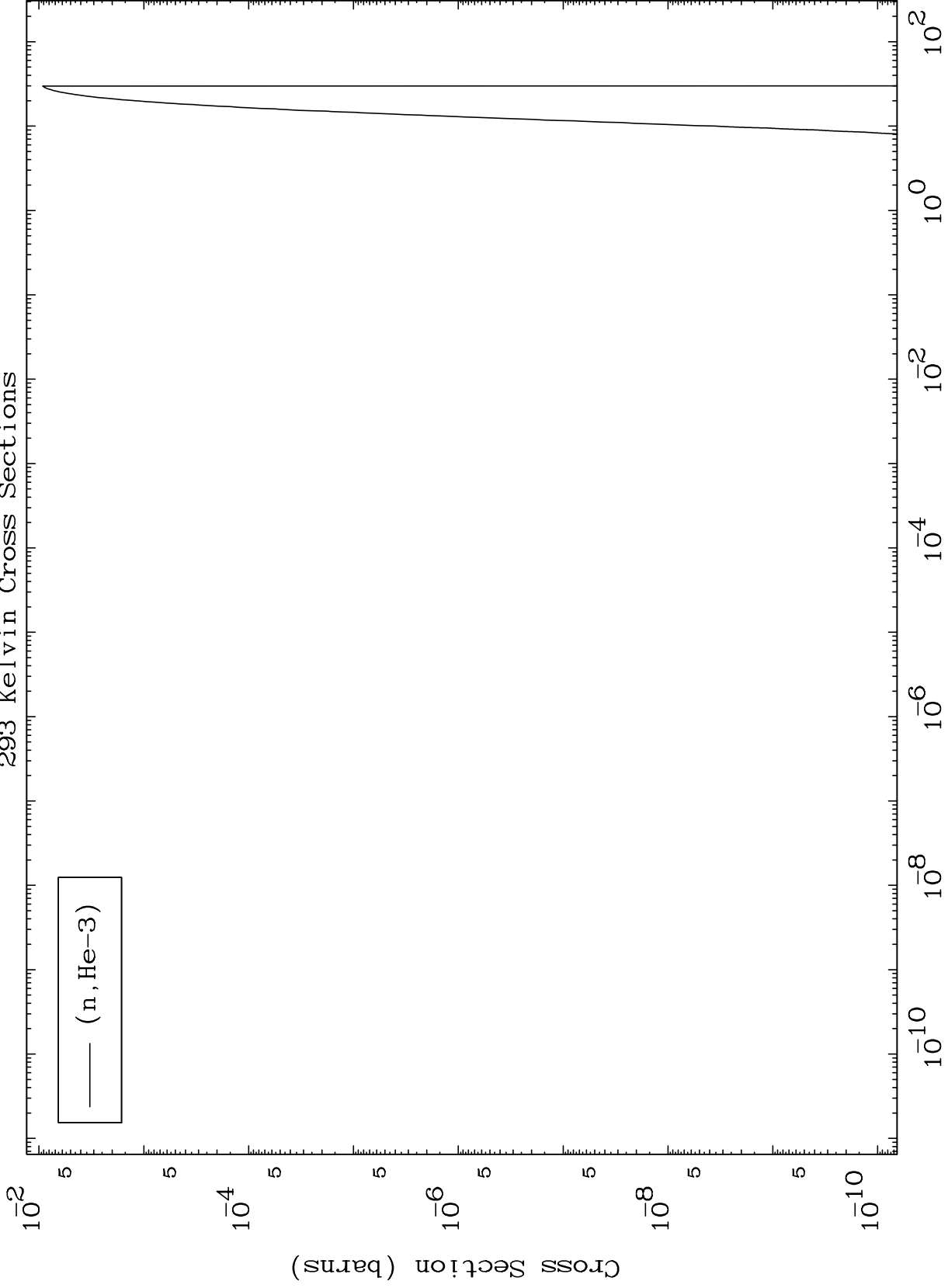
Incident Energy (MeV)

60-Nd-133

MAT 5999

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-133



14

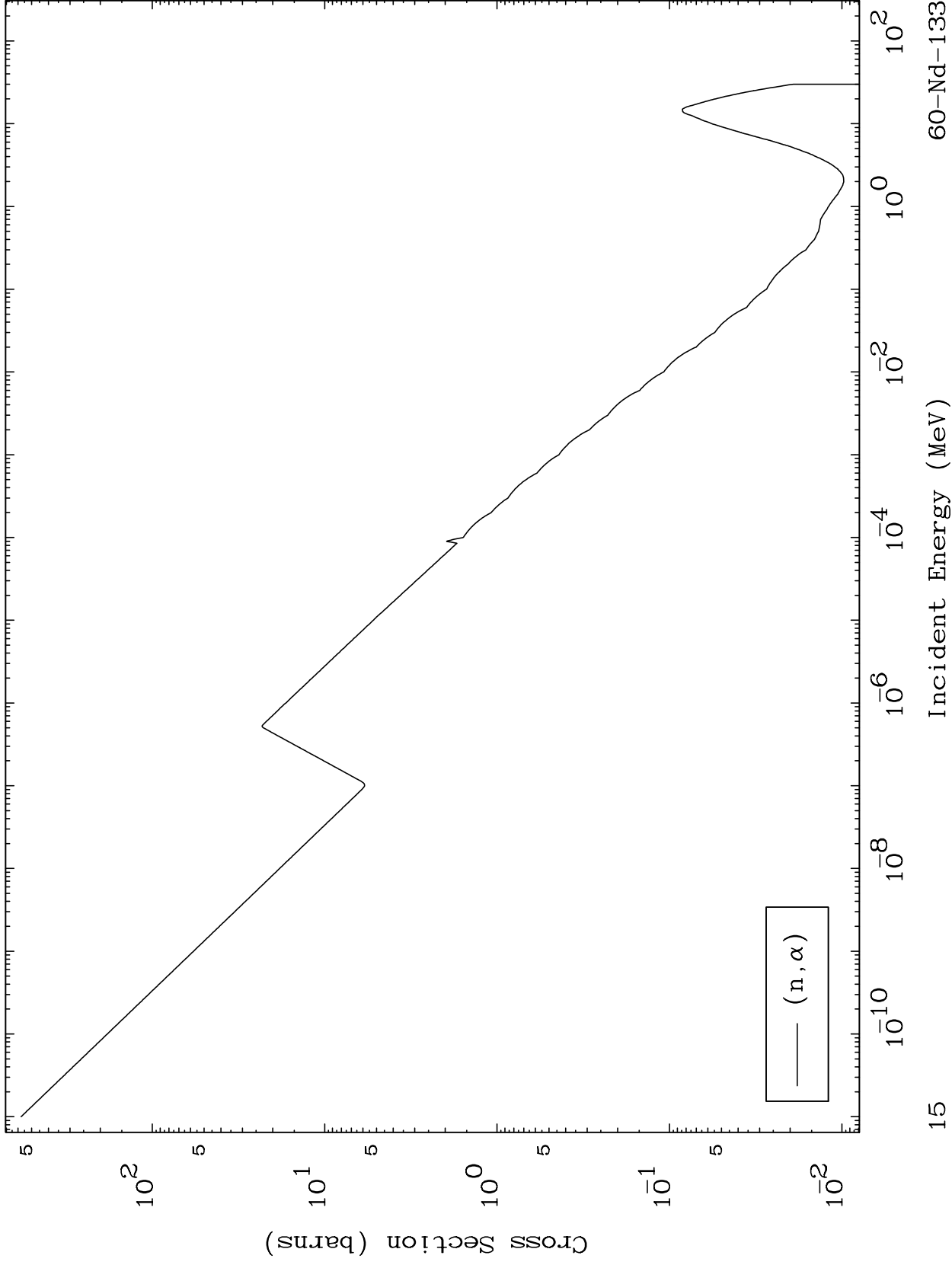
Incident Energy (MeV)

60-Nd-133

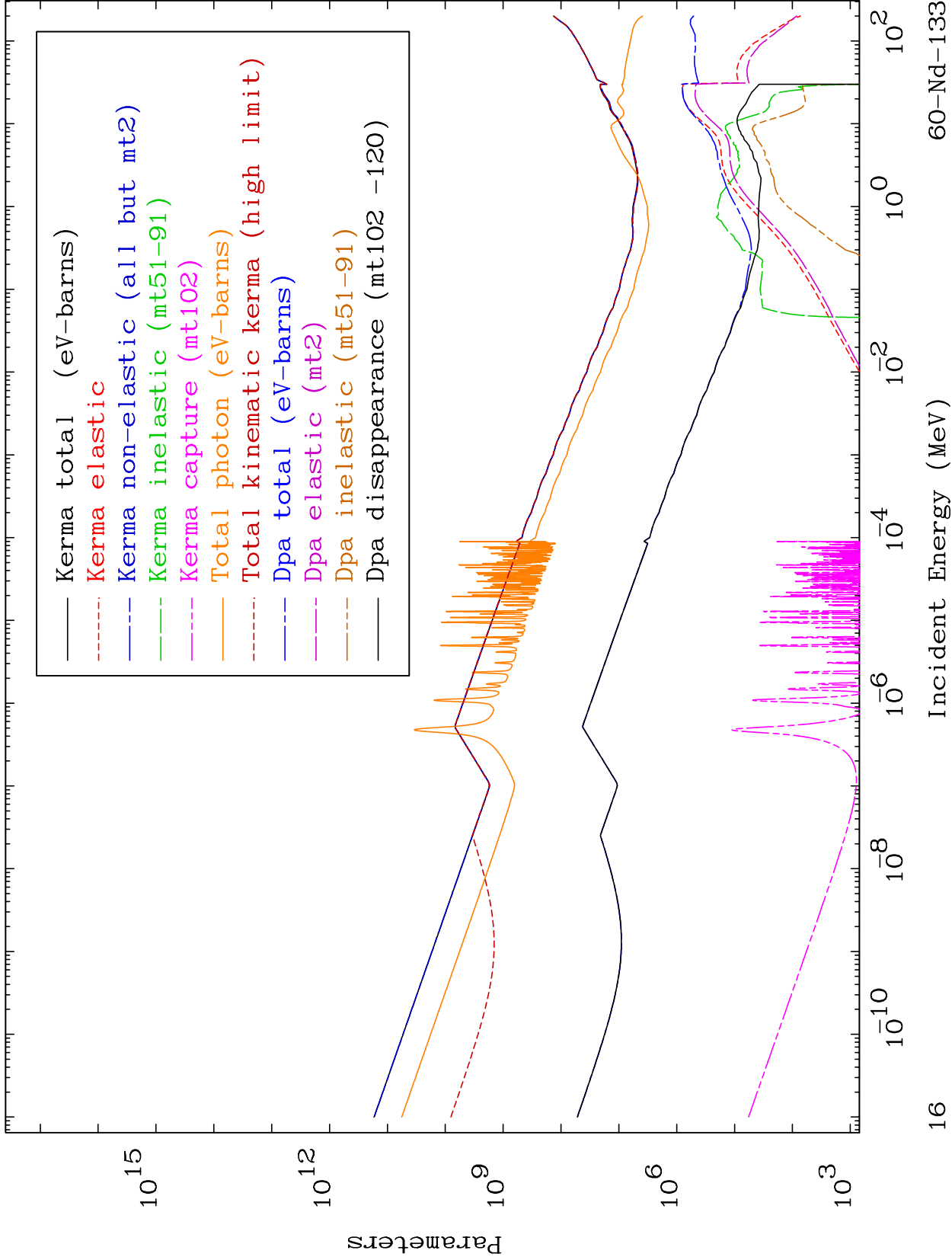
MAT 5999

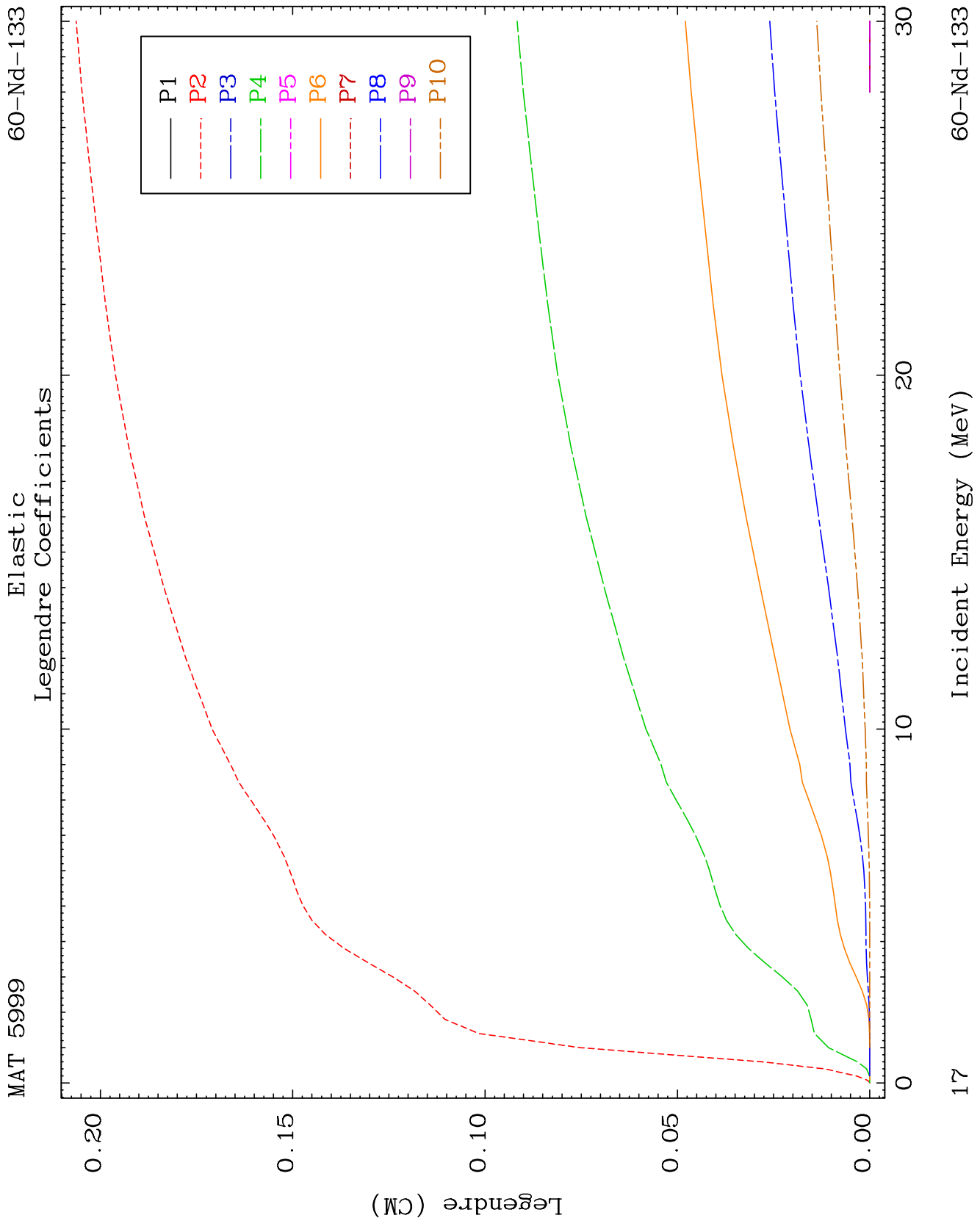
(n,α) Levels
293 Kelvin Cross Sections

60-Nd-133



15





60-Nd-133

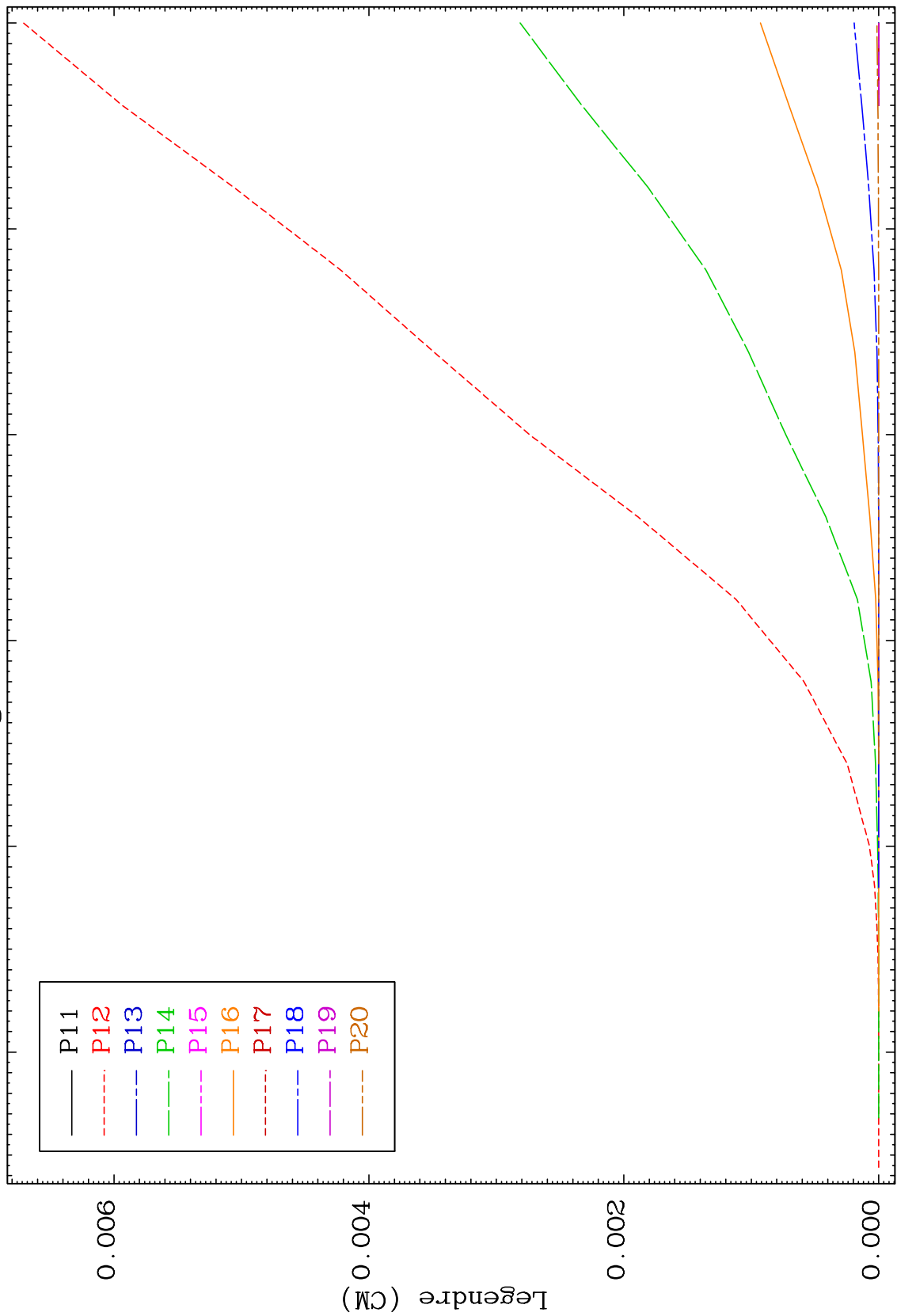
Incident Energy (MeV)

17

MAT 5999

Elastic Legendre Coefficients

60-Nd-133



18

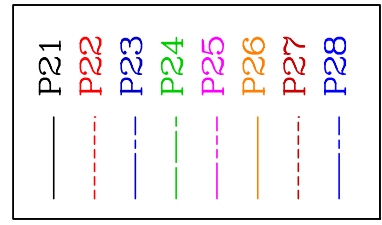
Incident Energy (MeV)

60-Nd-133

MAT 5999

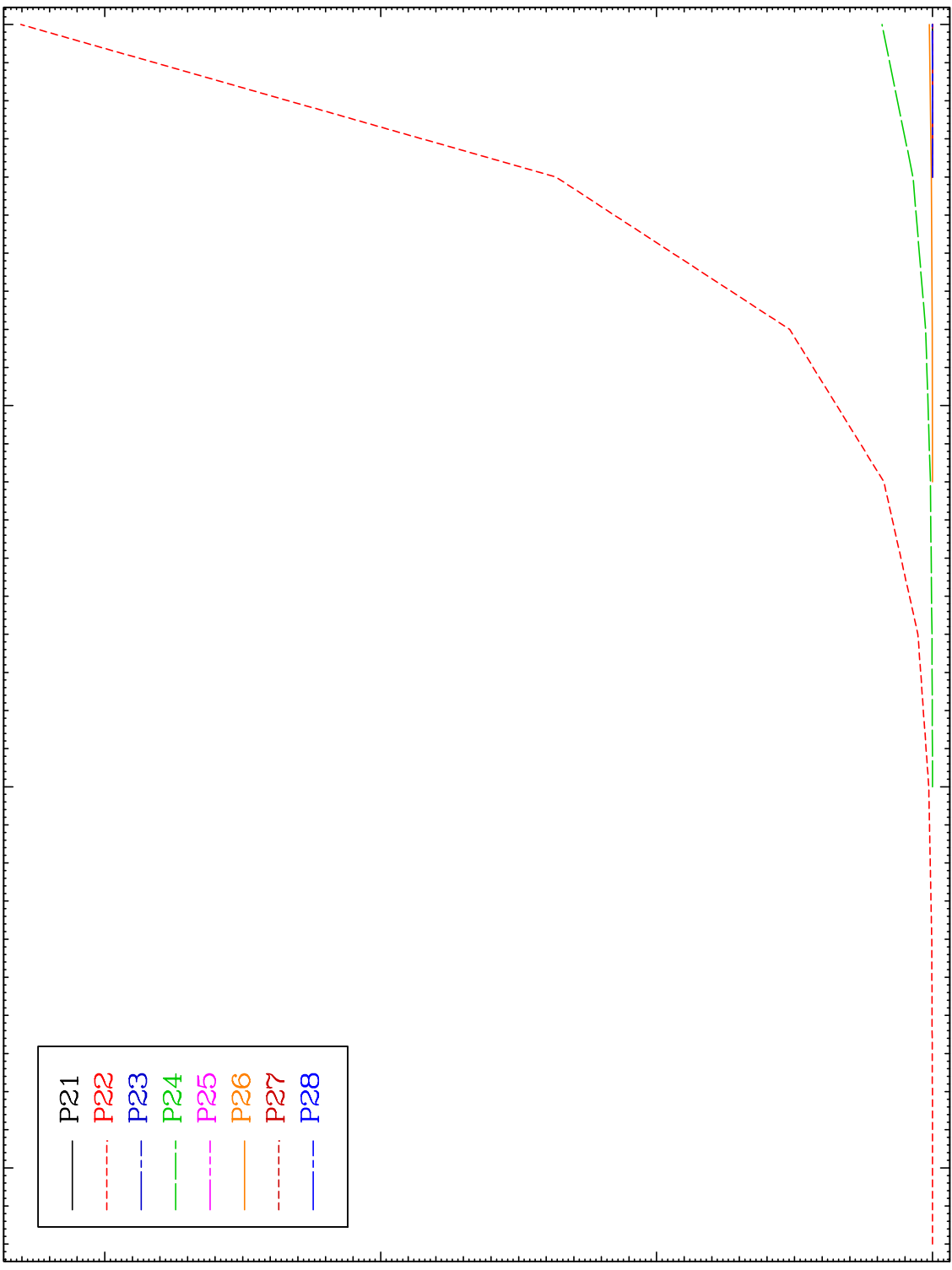
Elastic Legendre Coefficients

60-Nd-133



$\times 10^{-7}$

Legendre (CM)



19

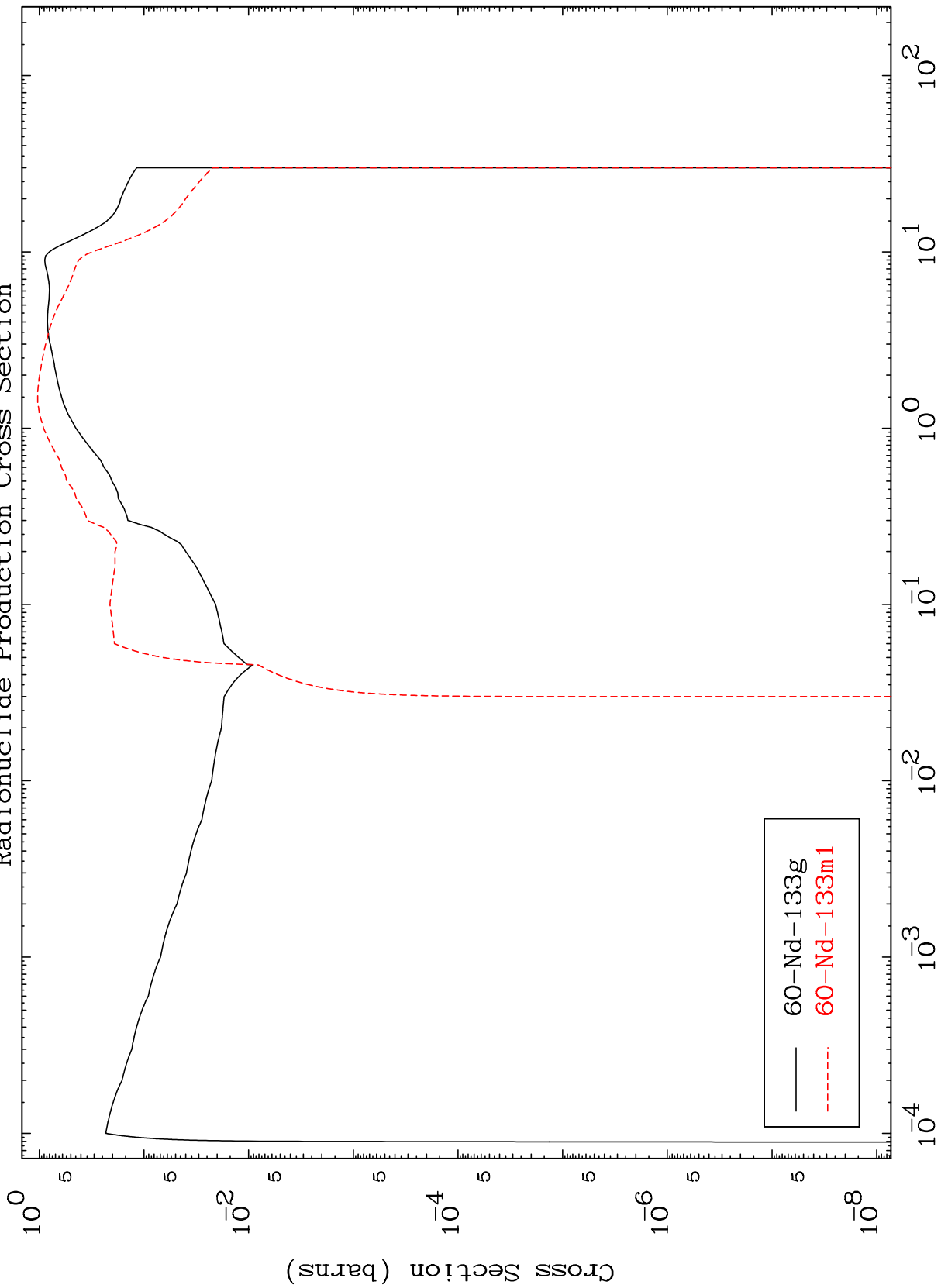
Incident Energy (MeV)

60-Nd-133

MAT 5999

60-Nd-133

Inelastic
Radionuclide Production Cross Section

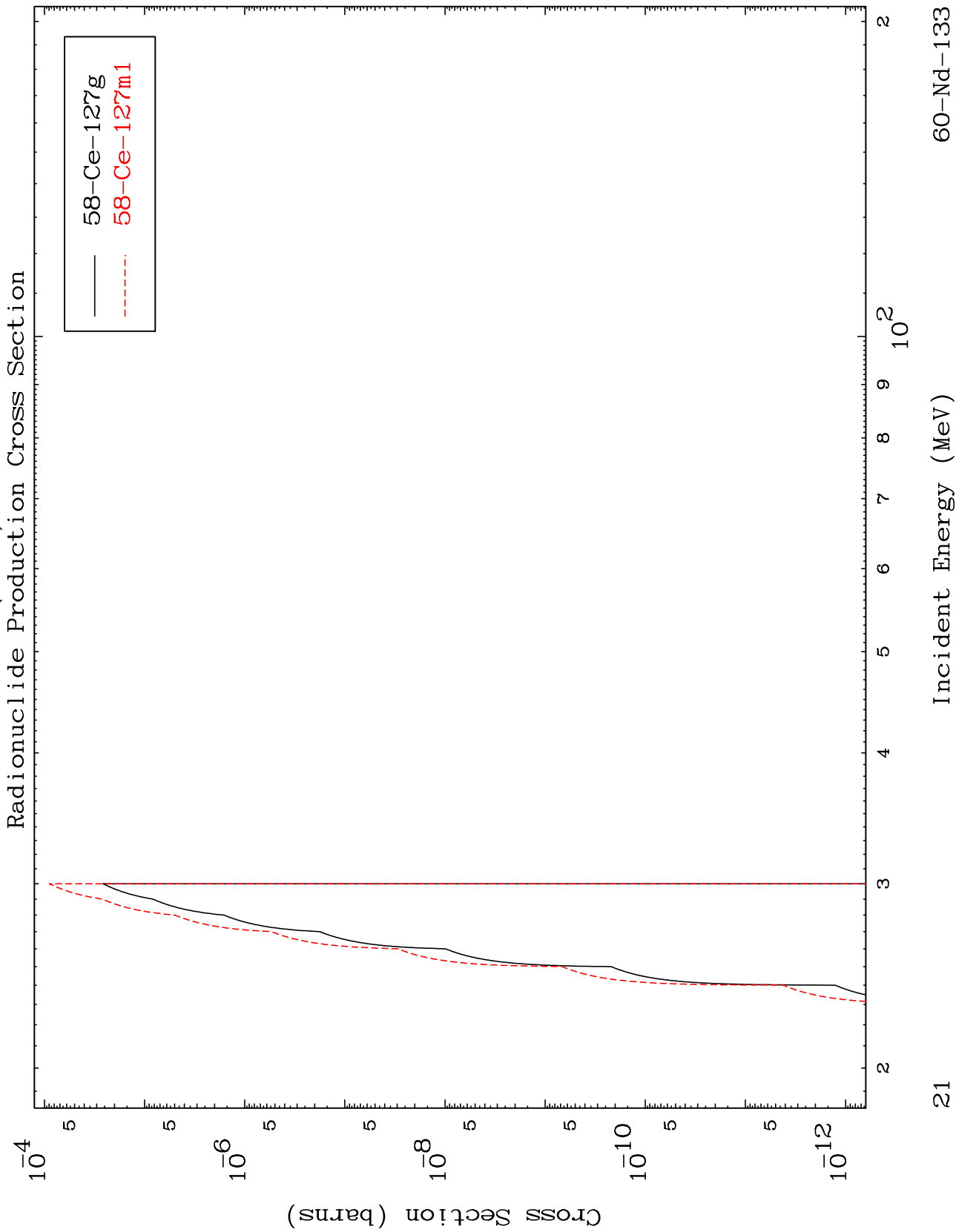


20

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$(n,3n) \alpha$

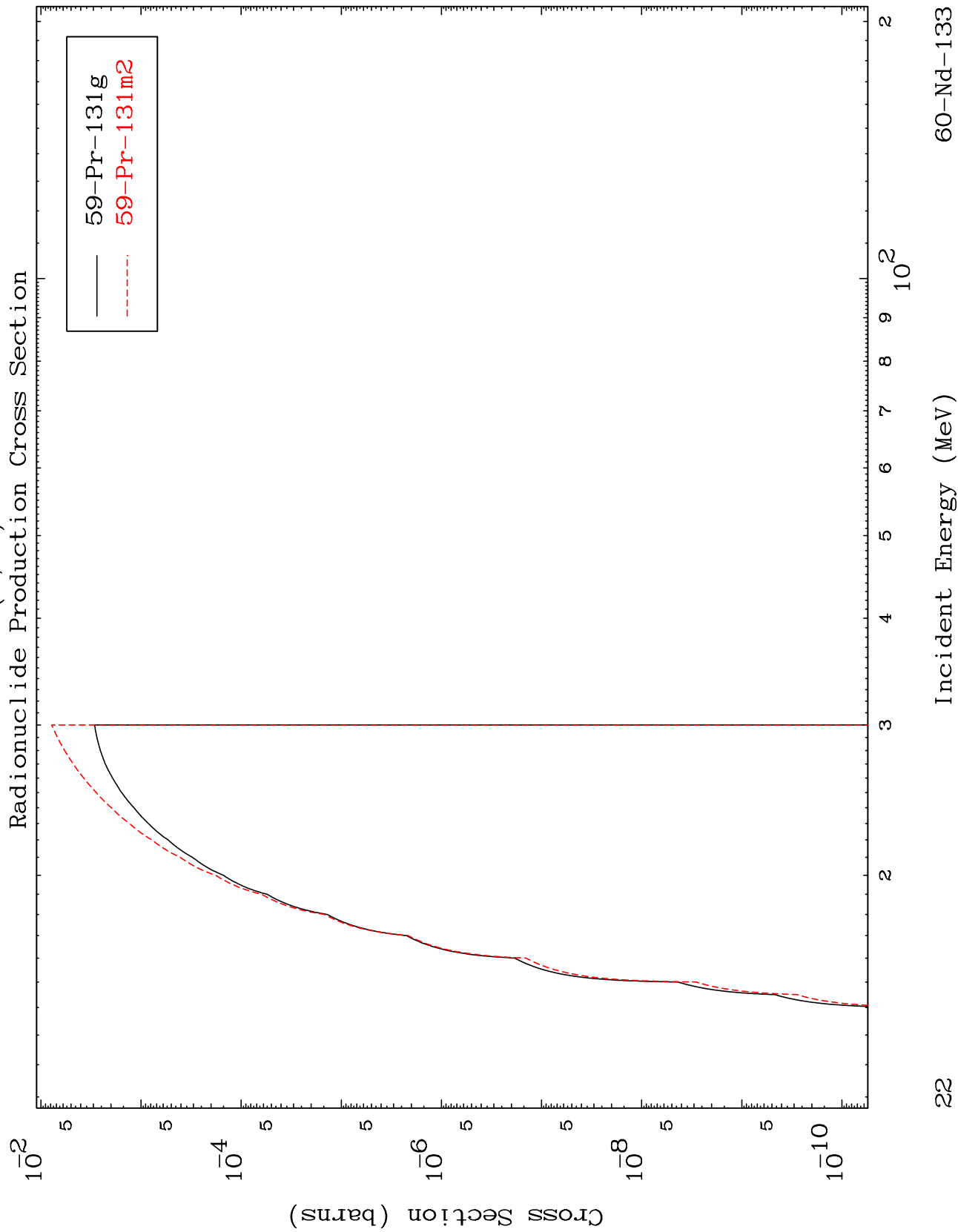
60-Nd-133



MAT 5999

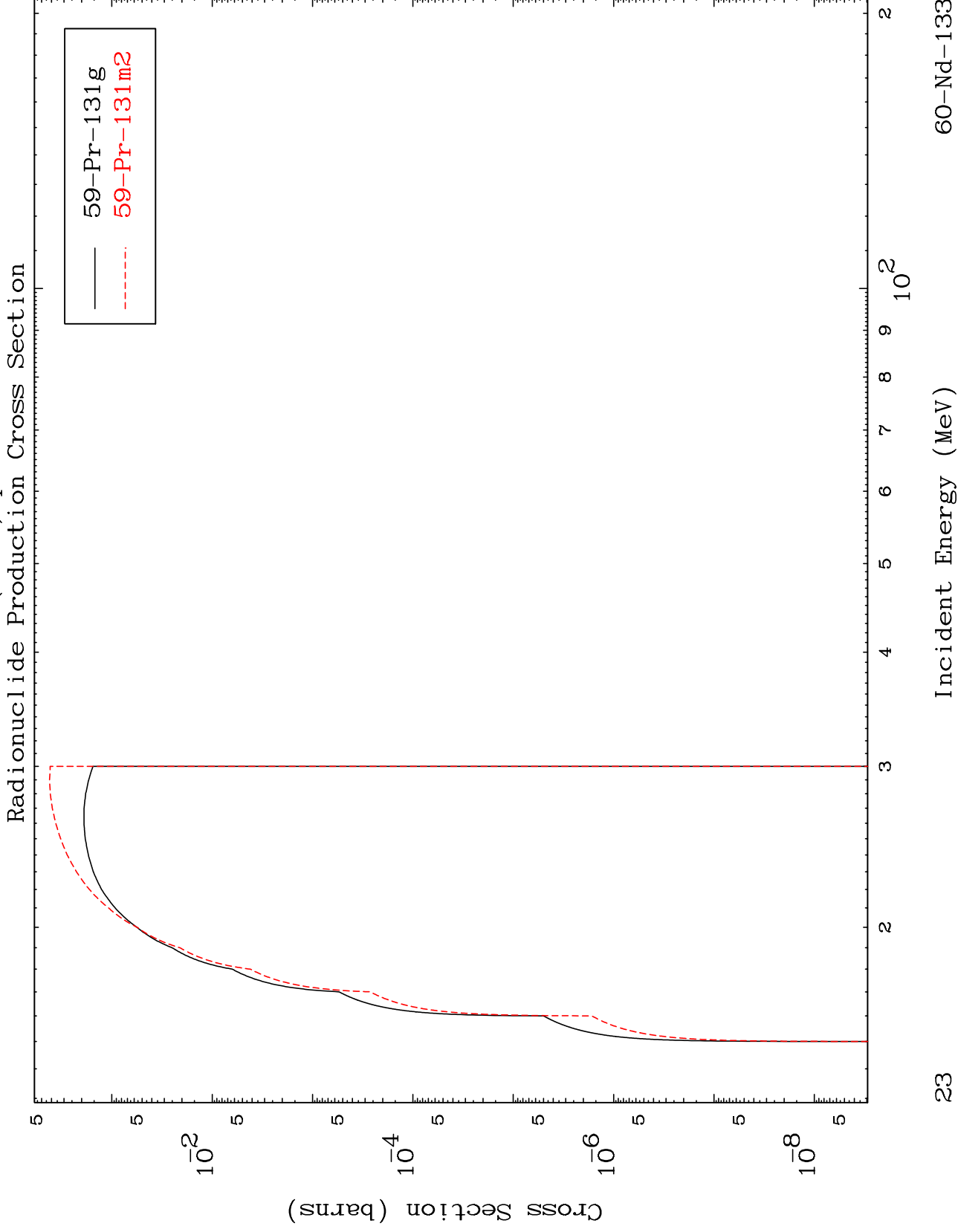
(n,n') d

60-Nd-133



22

60-Nd-133

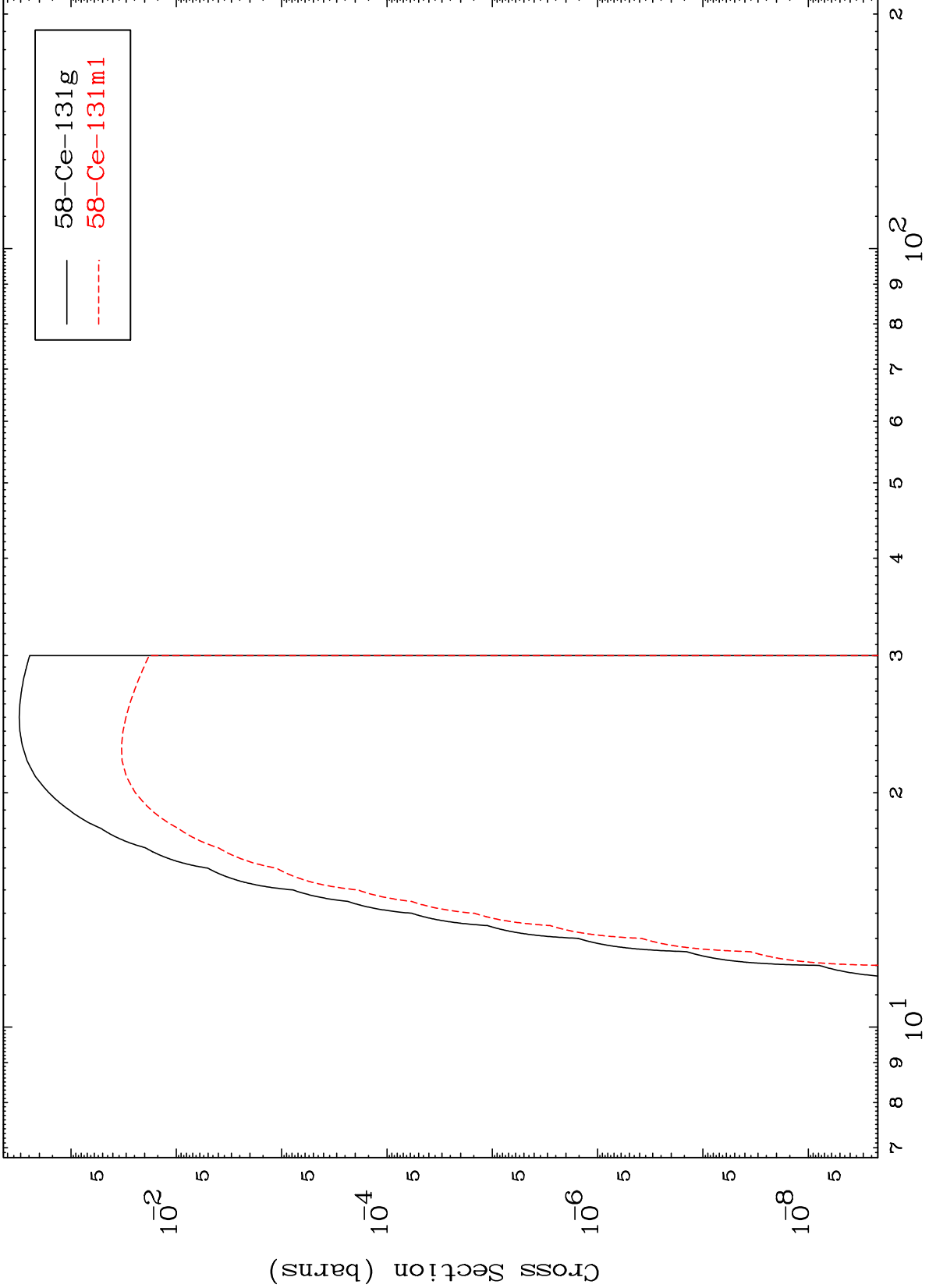


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(n,2n) p

60-Nd-133

Radionuclide Production Cross Section



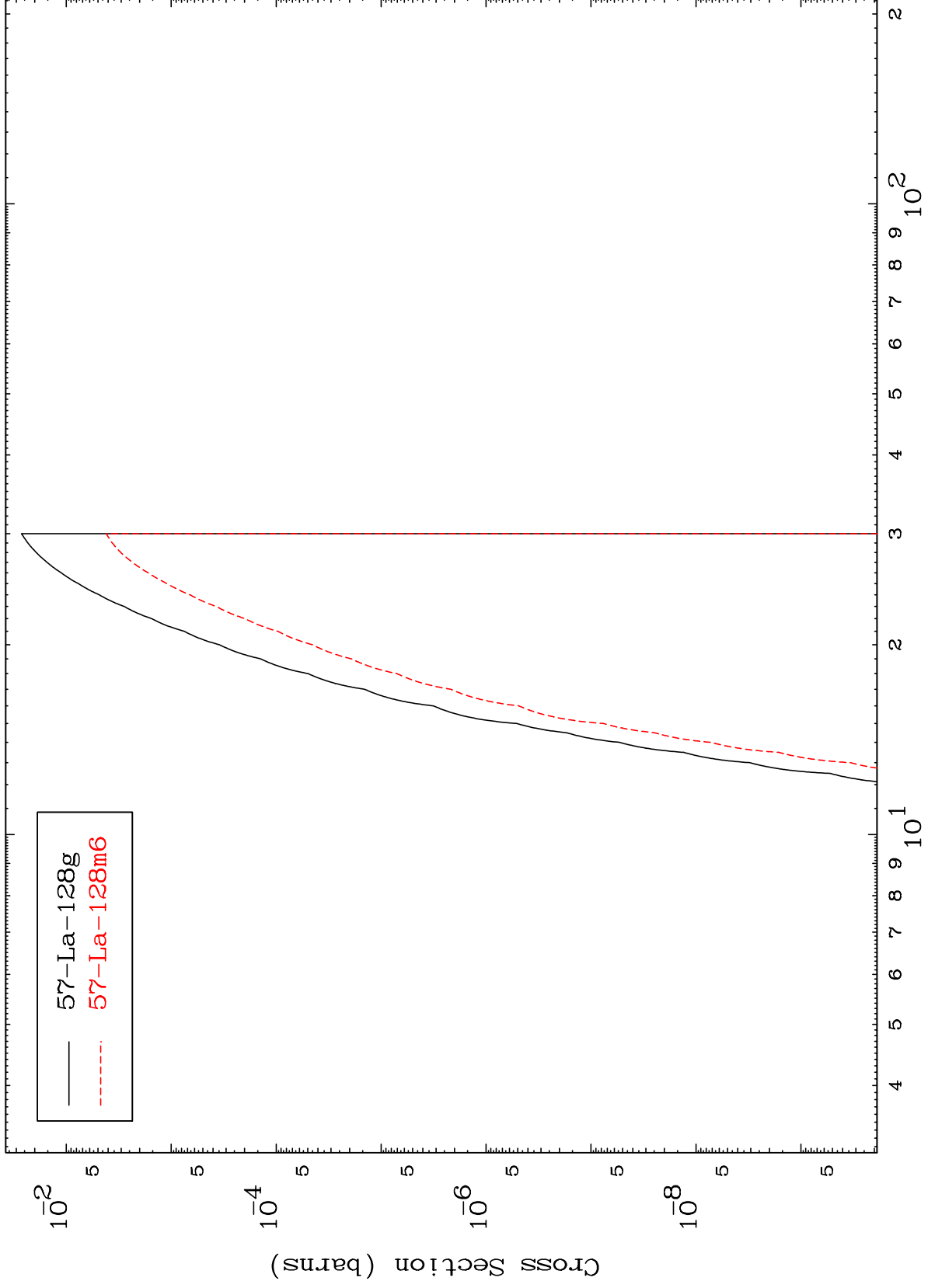
58-Ce-131g
58-Ce-131m1

24

Incident Energy (MeV)

60-Nd-133

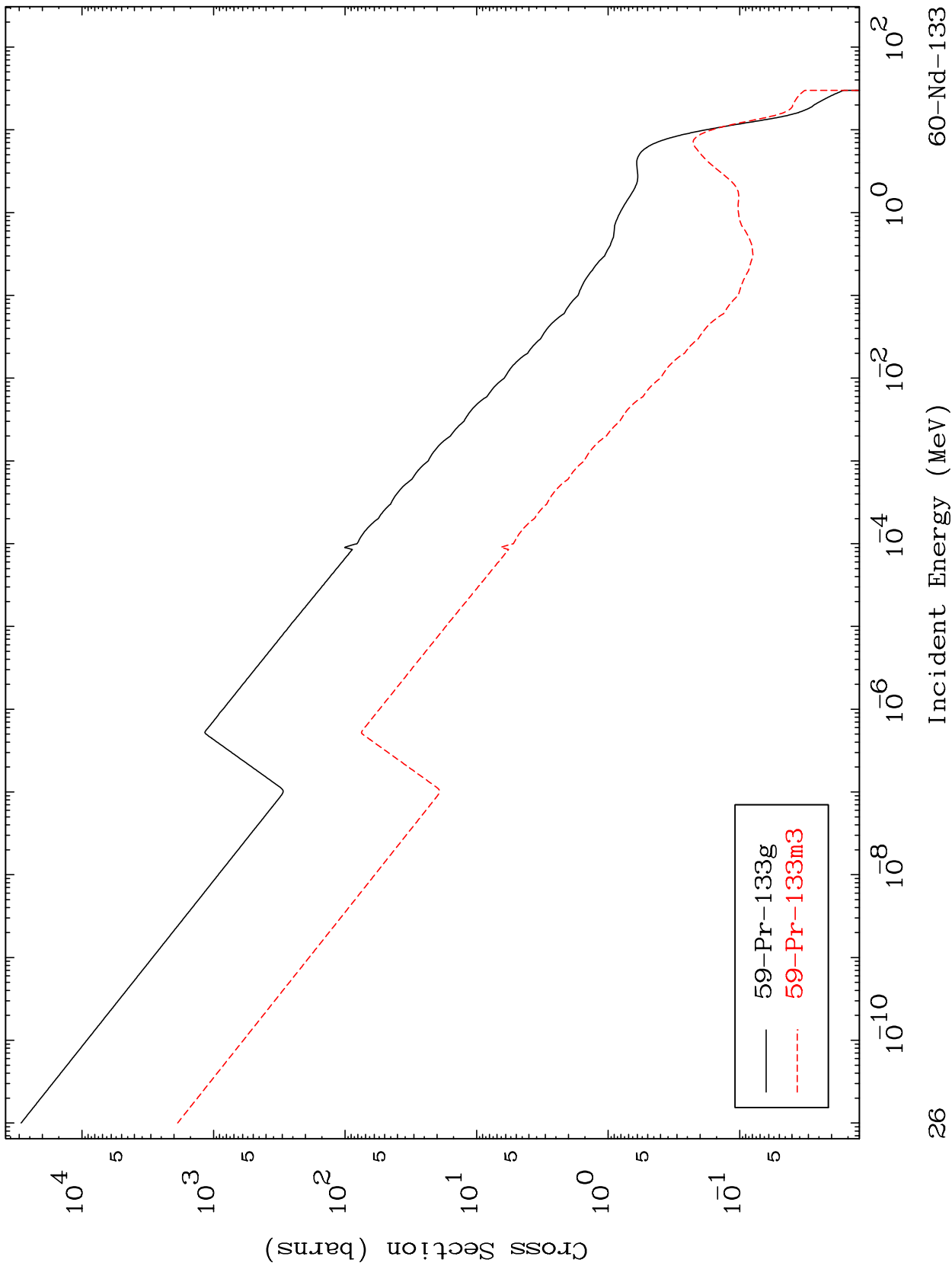
Radionuclide Production Cross Section



MAT 5999

60-Nd-133

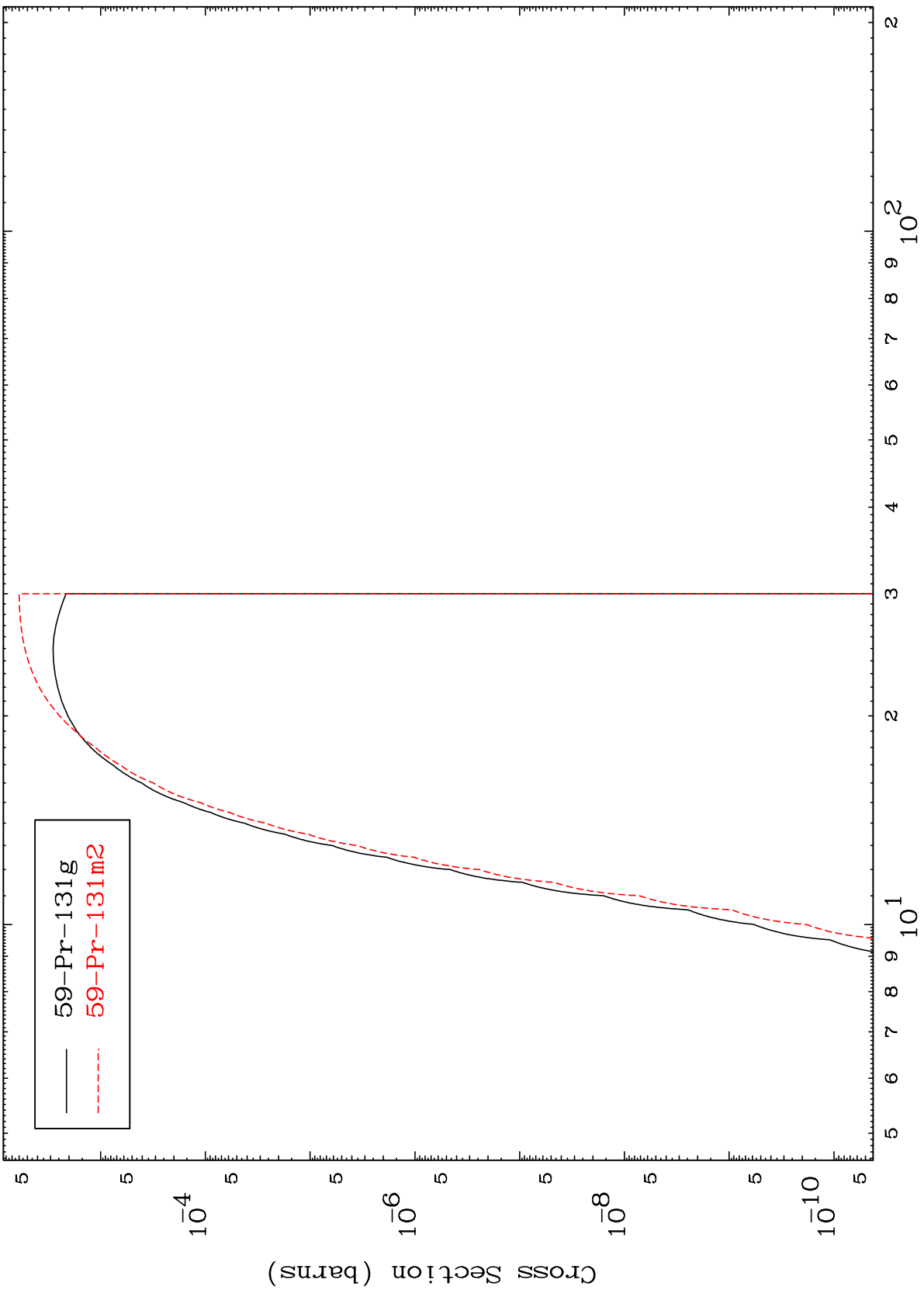
(n,p)
Radionuclide Production Cross Section



MAT 5999

60-Nd-133

(n,t)
Radionuclide Production Cross Section



27

Incident Energy (MeV)

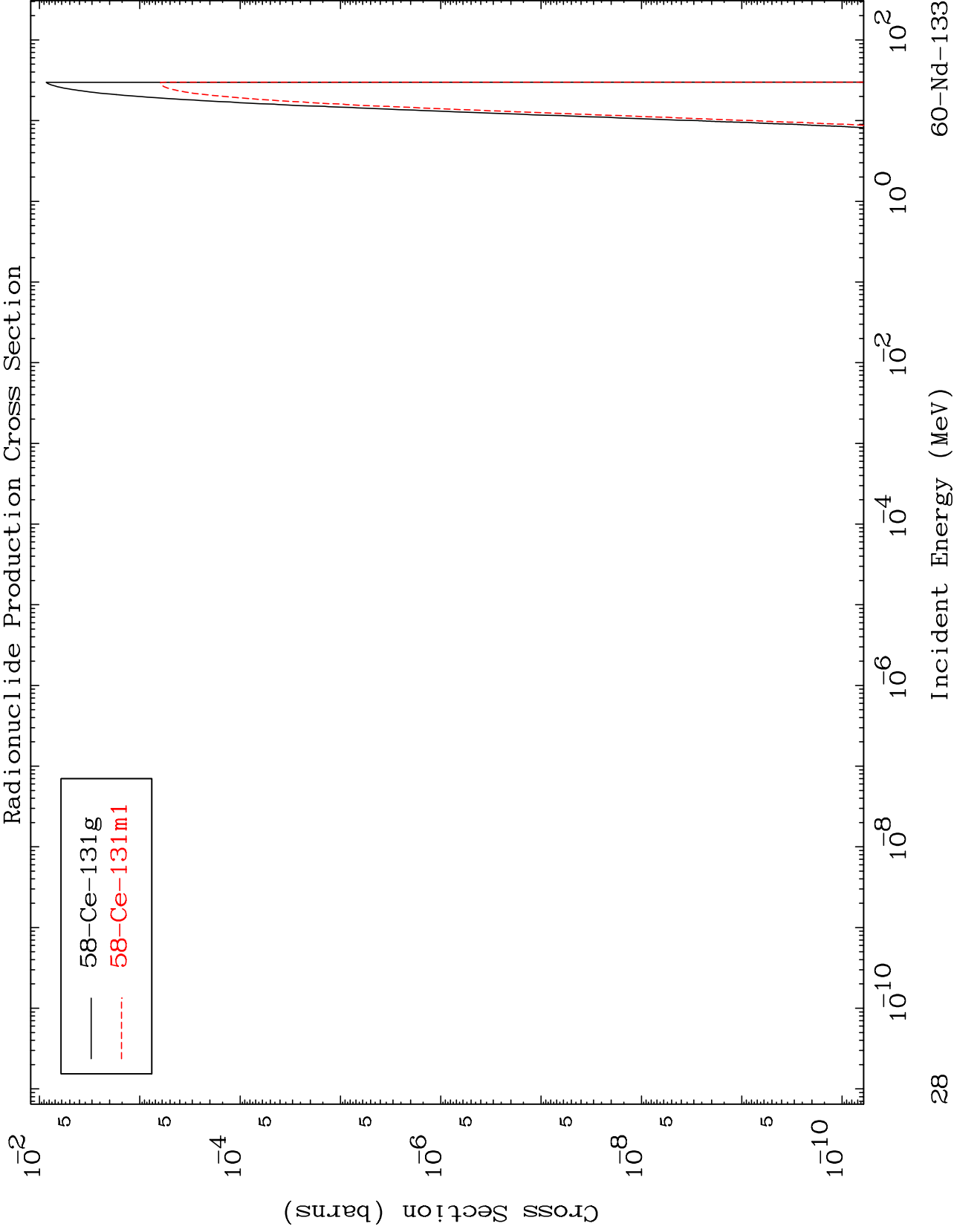
60-Nd-133

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(n,He-3)

60-Nd-133

Radionuclide Production Cross Section



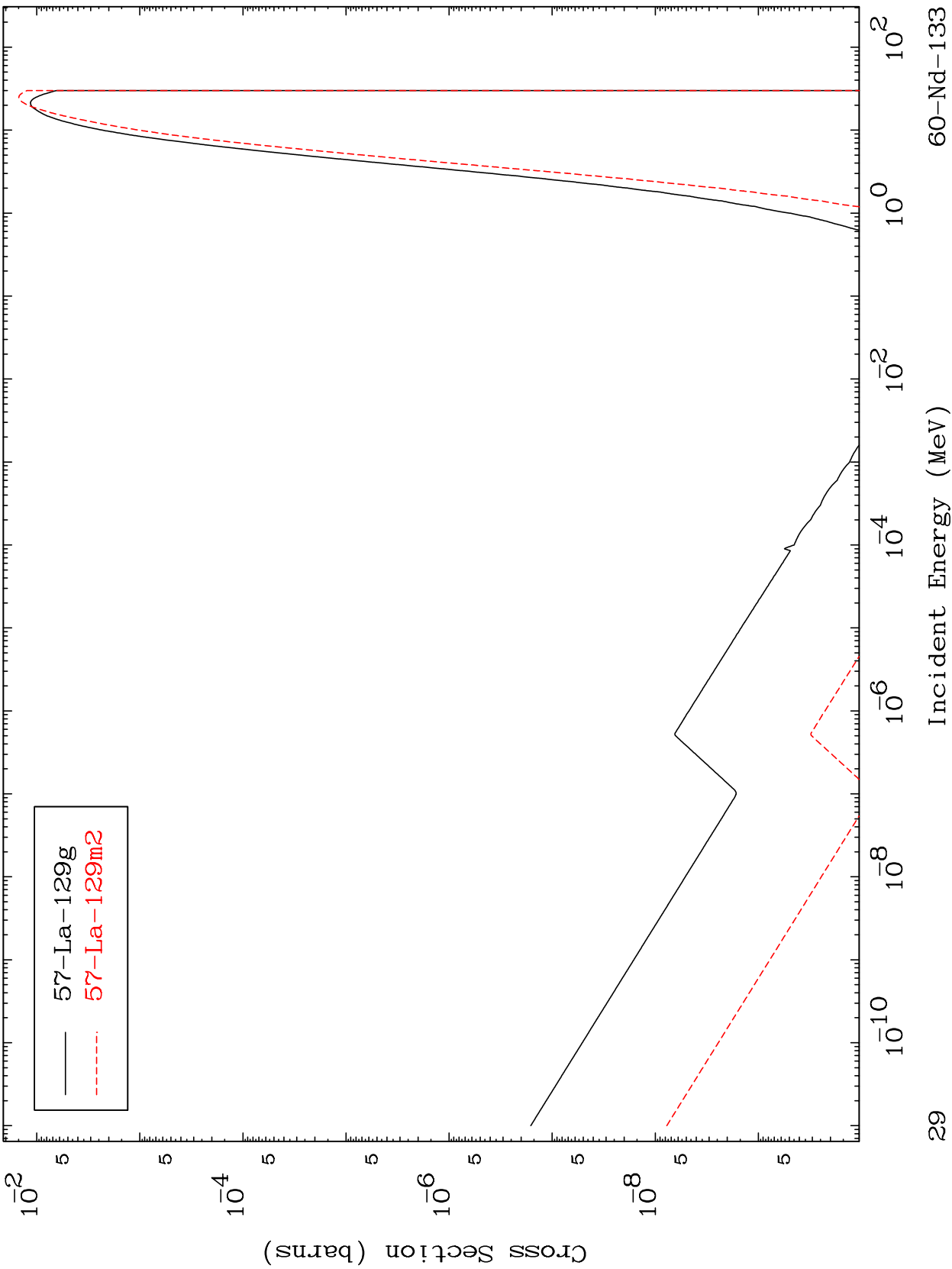
58-Ce-131g
58-Ce-131m1

MAT 5999

(n,p) α

60-Nd-133

Radionuclide Production Cross Section

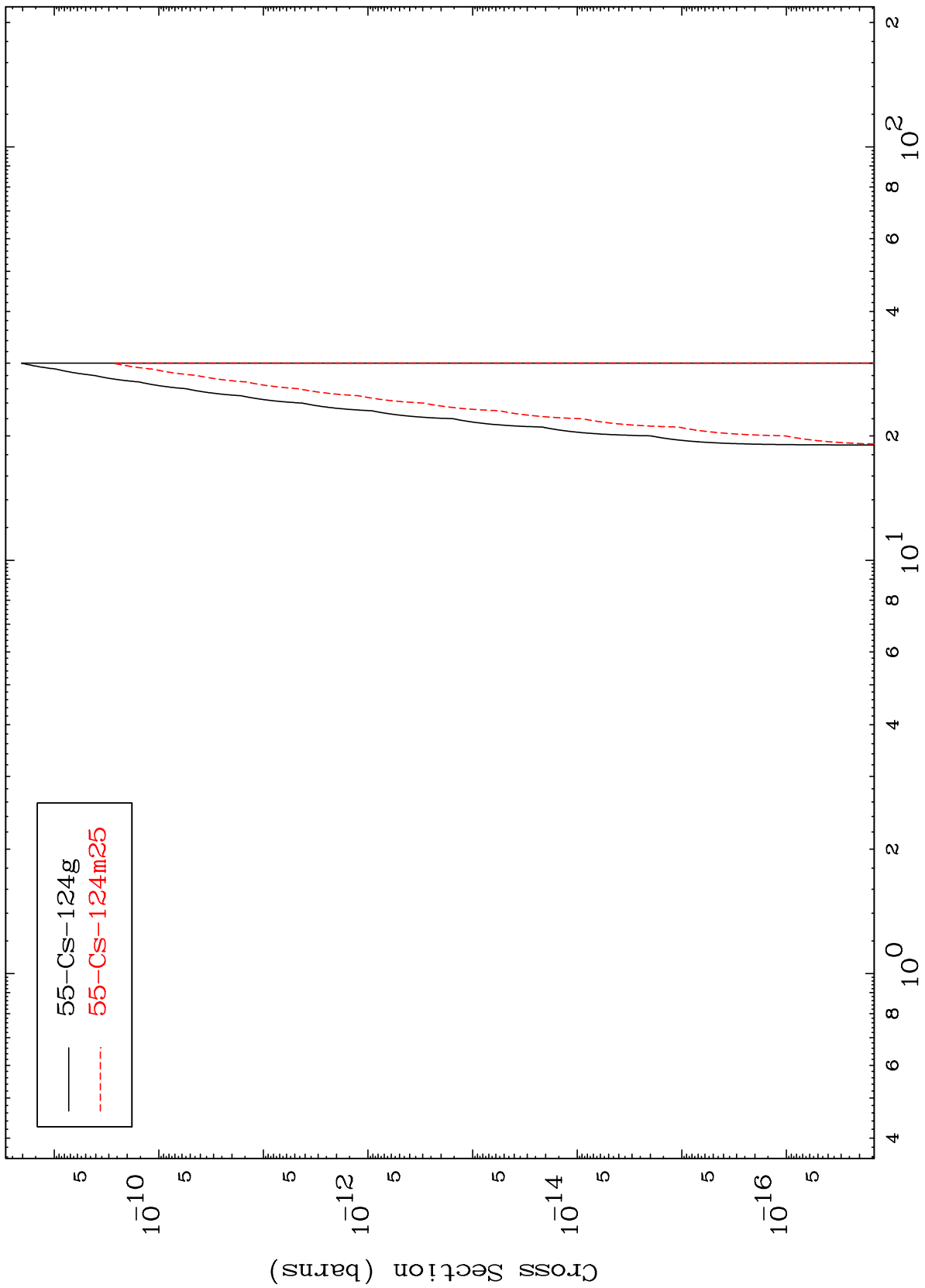


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(n,d) 2 α

60-Nd-133

Radionuclide Production Cross Section



55-Cs-124g
55-Cs-124m25

30

Incident Energy (MeV)

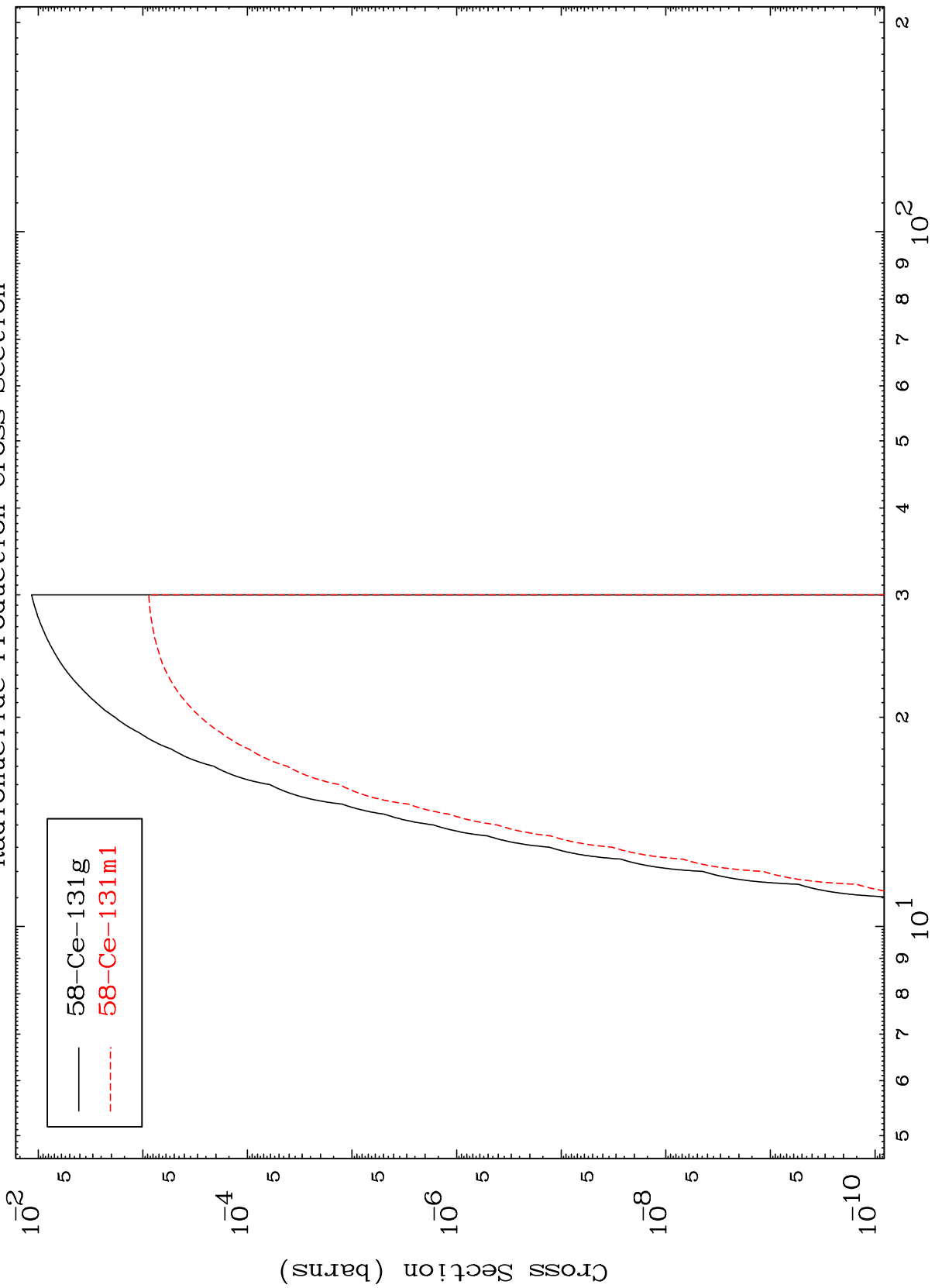
60-Nd-133

MAT 5999

(n,p) d

60-Nd-133

Radionuclide Production Cross Section



58-Ce-131g
58-Ce-131m1

