

Program EVALPLOT
(Version 2018-1)

by

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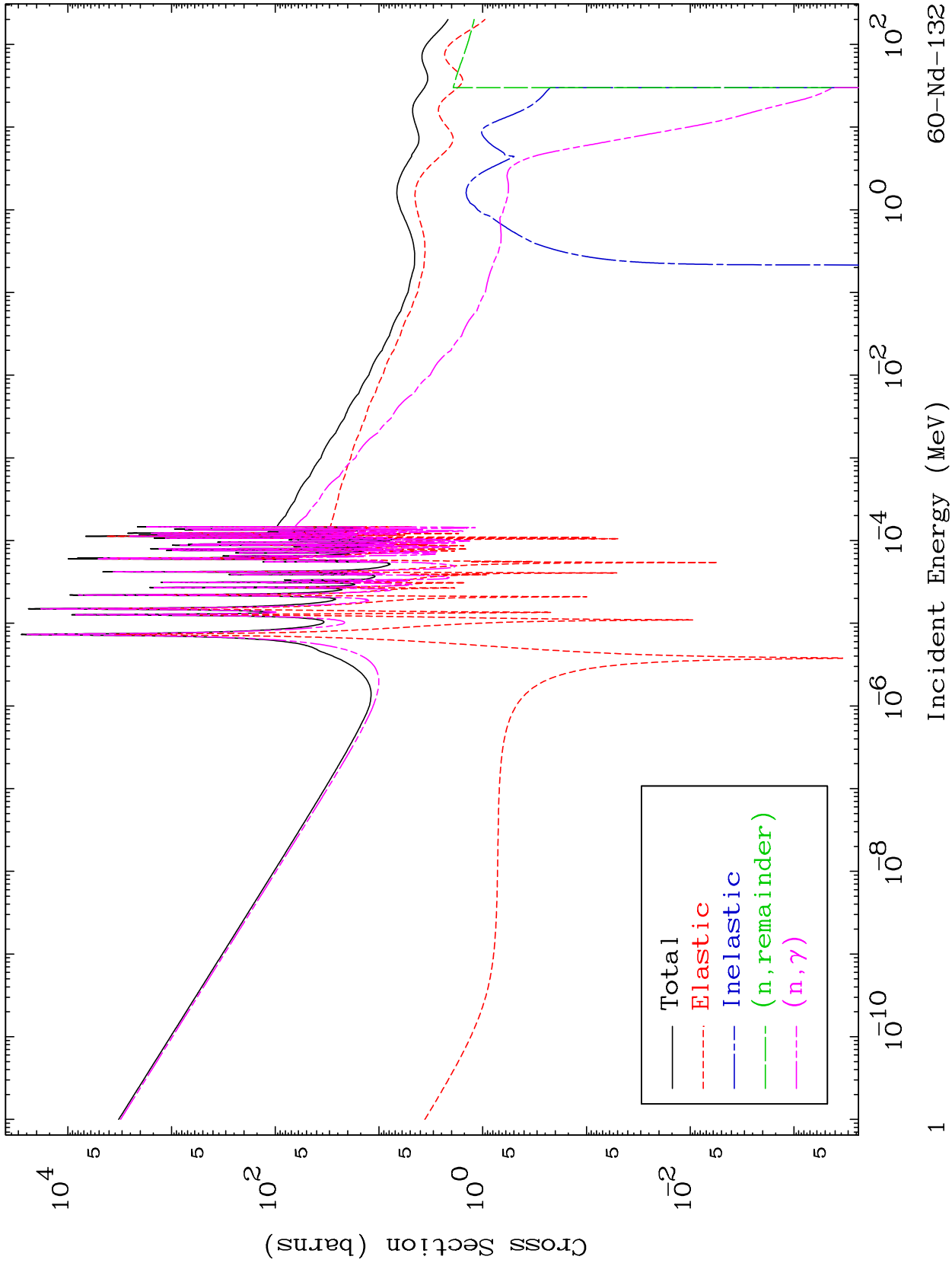
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5995

Major
293 Kelvin Cross Sections

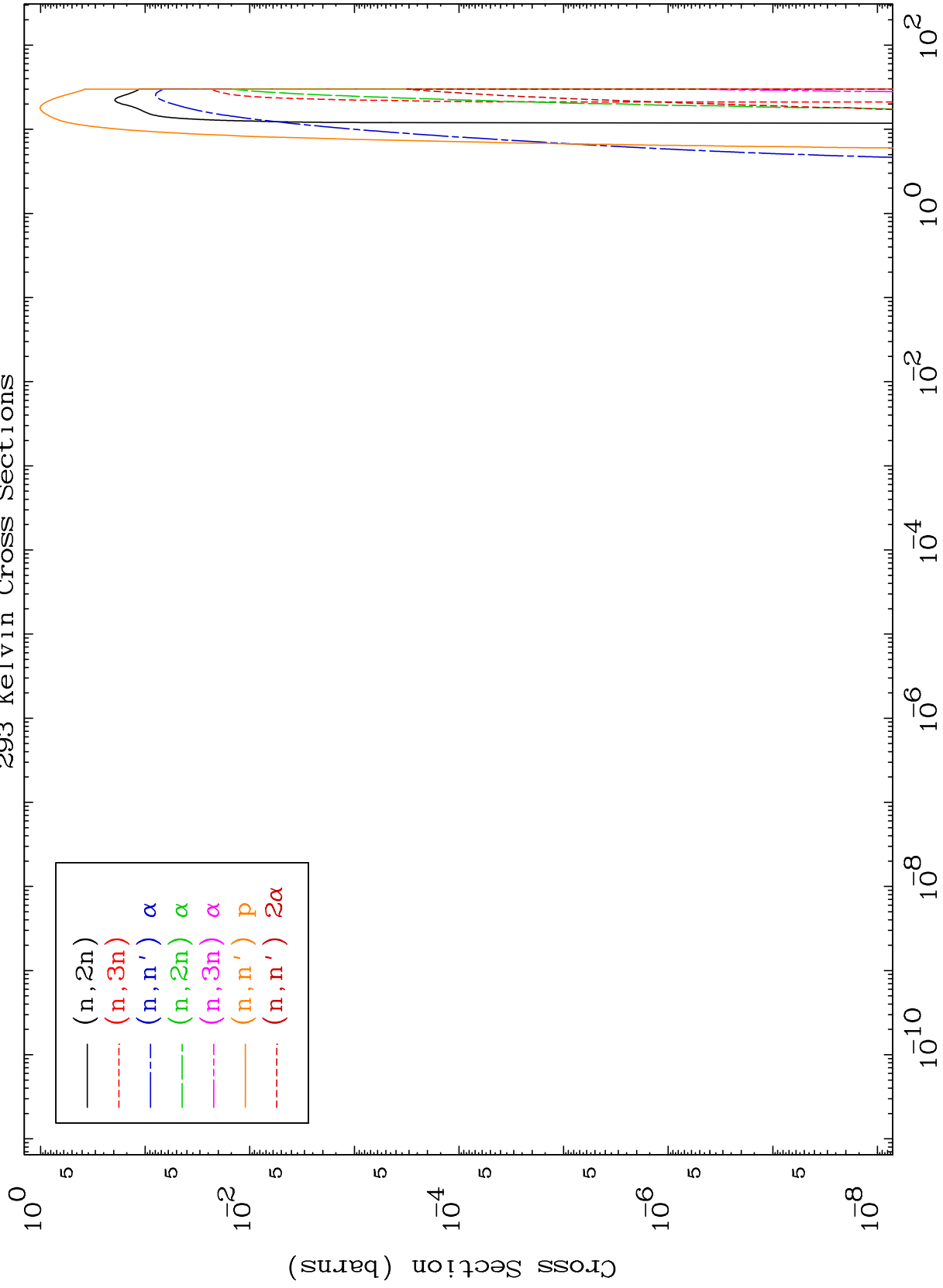
60-Nd-132



MAT 5995

Neutron Production
293 Kelvin Cross Sections

60-Nd-132



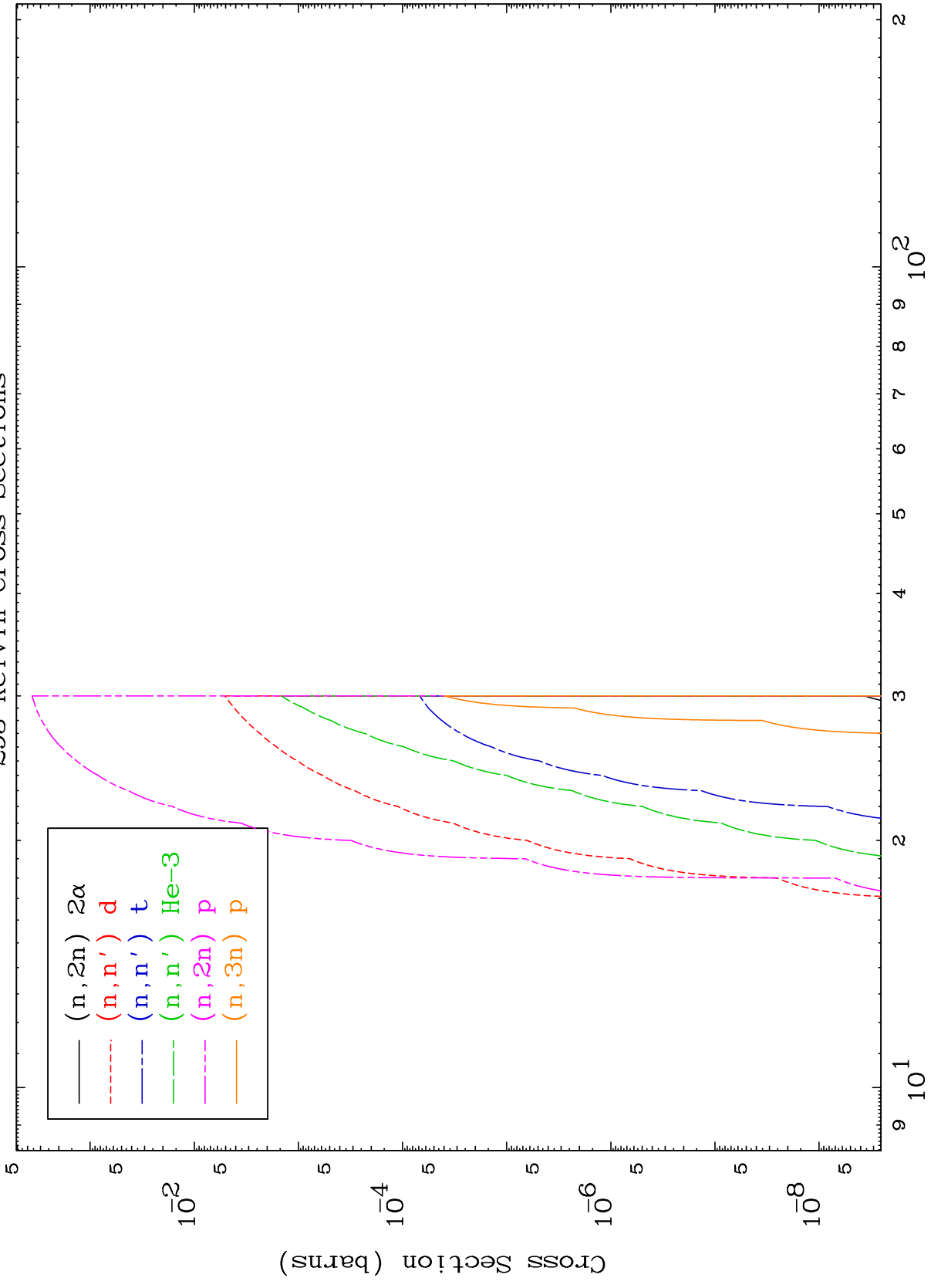
2

60-Nd-132

MAT 5995

Neutron Production
293 Kelvin Cross Sections

60-Nd-132



3

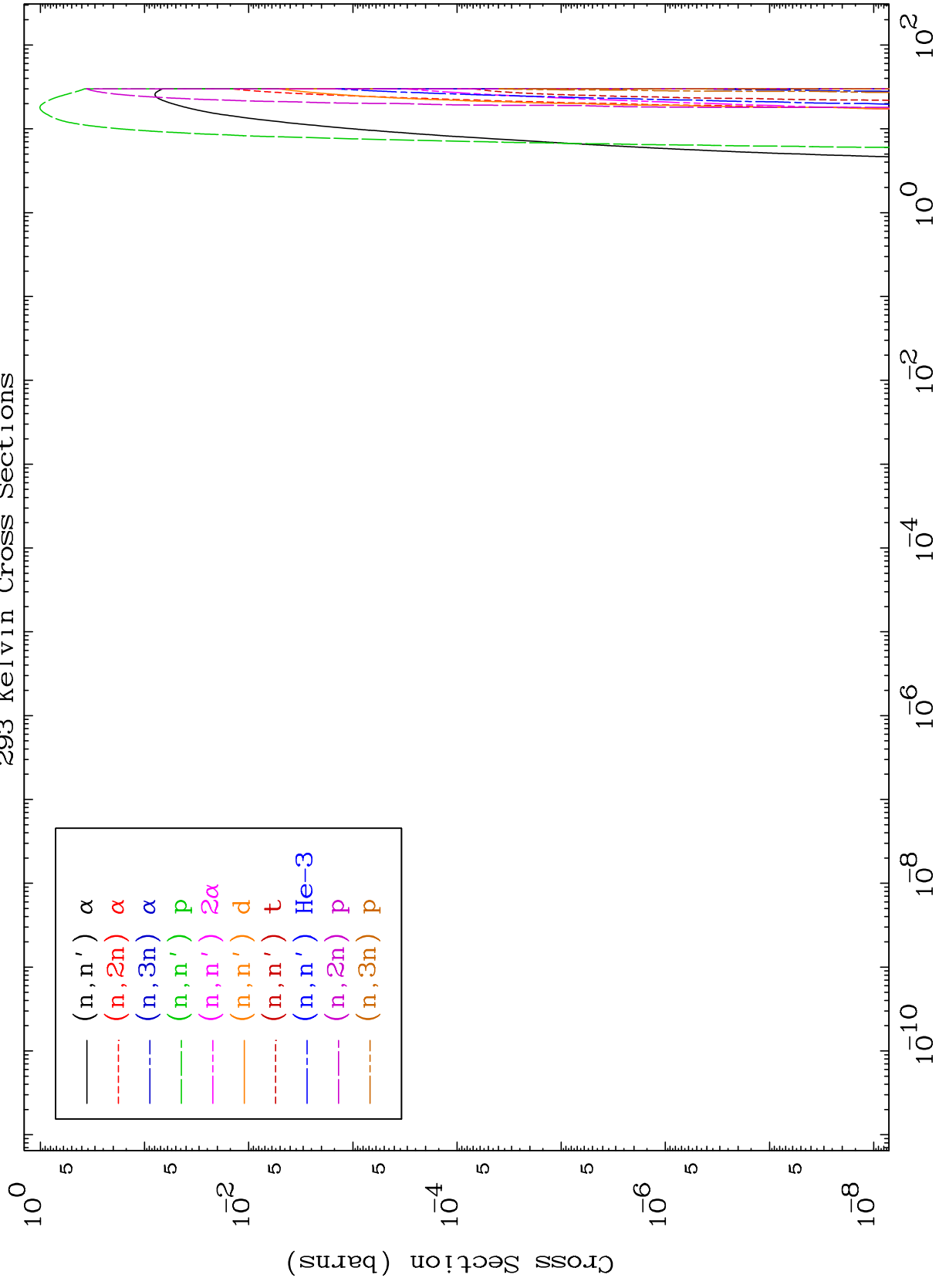
Incident Energy (MeV)

60-Nd-132

MAT 5995

293 Charged Particle
Kelvin Cross Sections

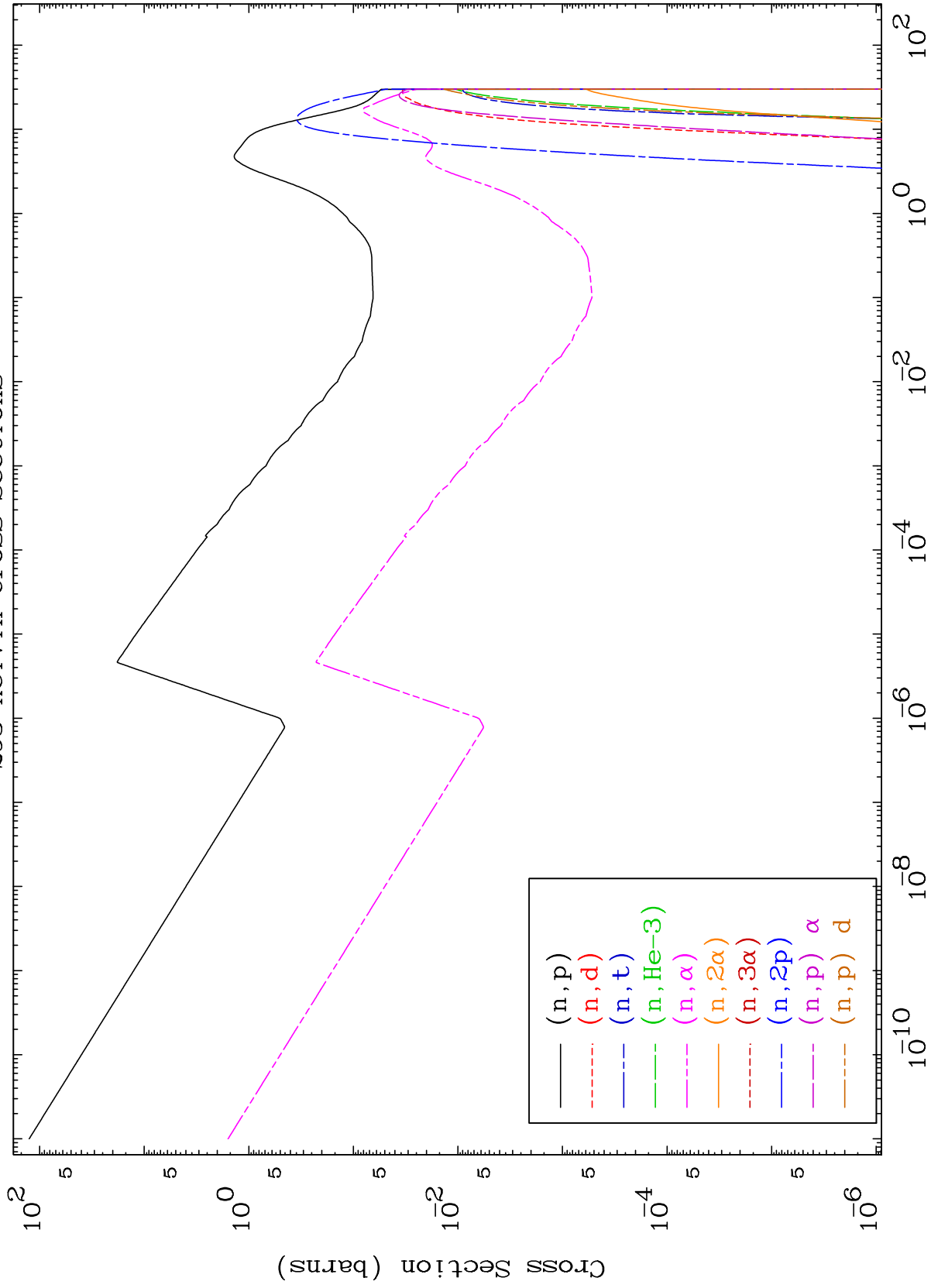
60-Nd-132



MAT 5995

Charged Particle
293 Kelvin Cross Sections

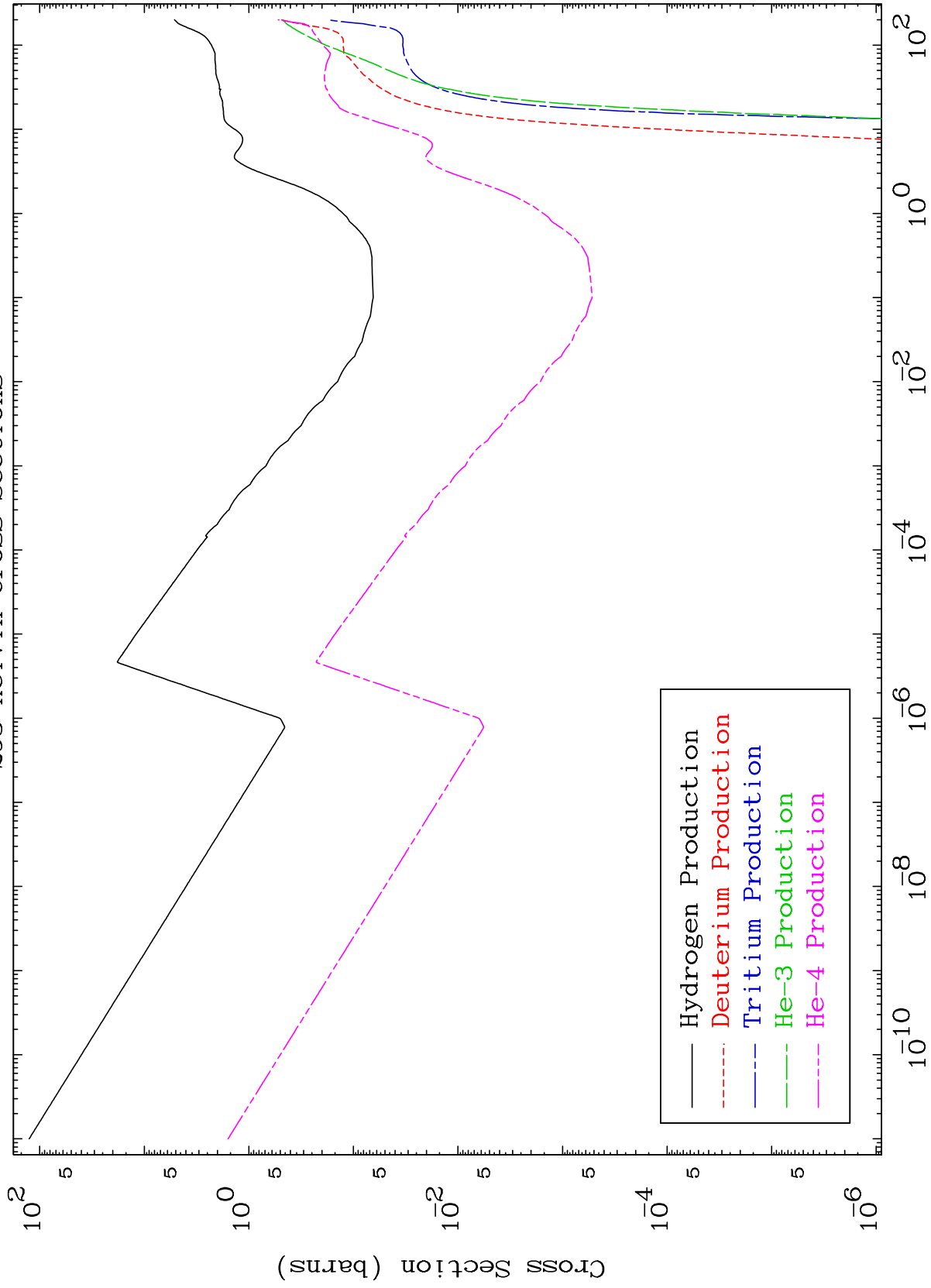
60-Nd-132



MAT 5995

Particle Production
293 Kelvin Cross Sections

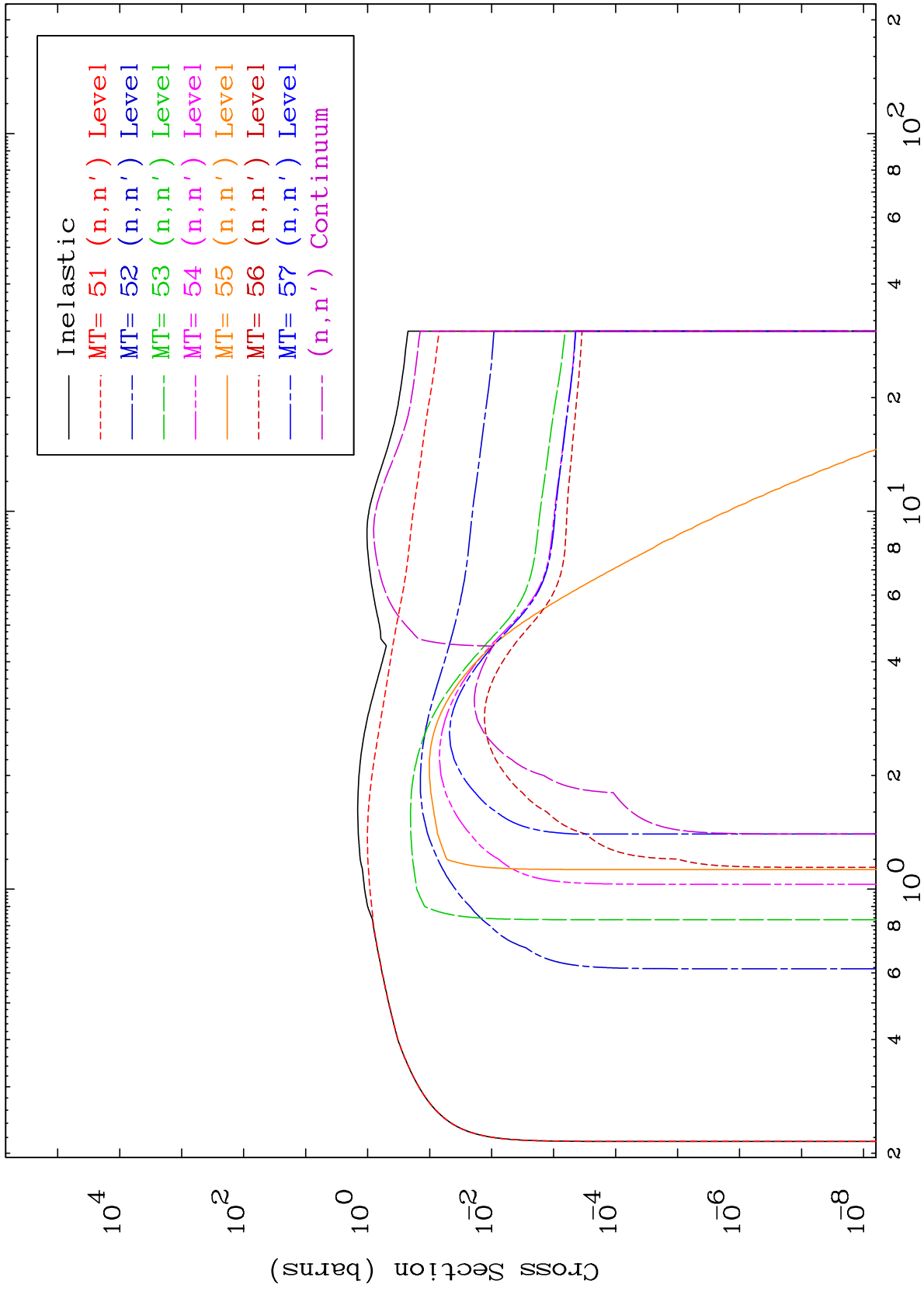
60-Nd-132



MAT 5995

(n,n') Level
293 Kelvin Cross Sections

60-Nd-132



7

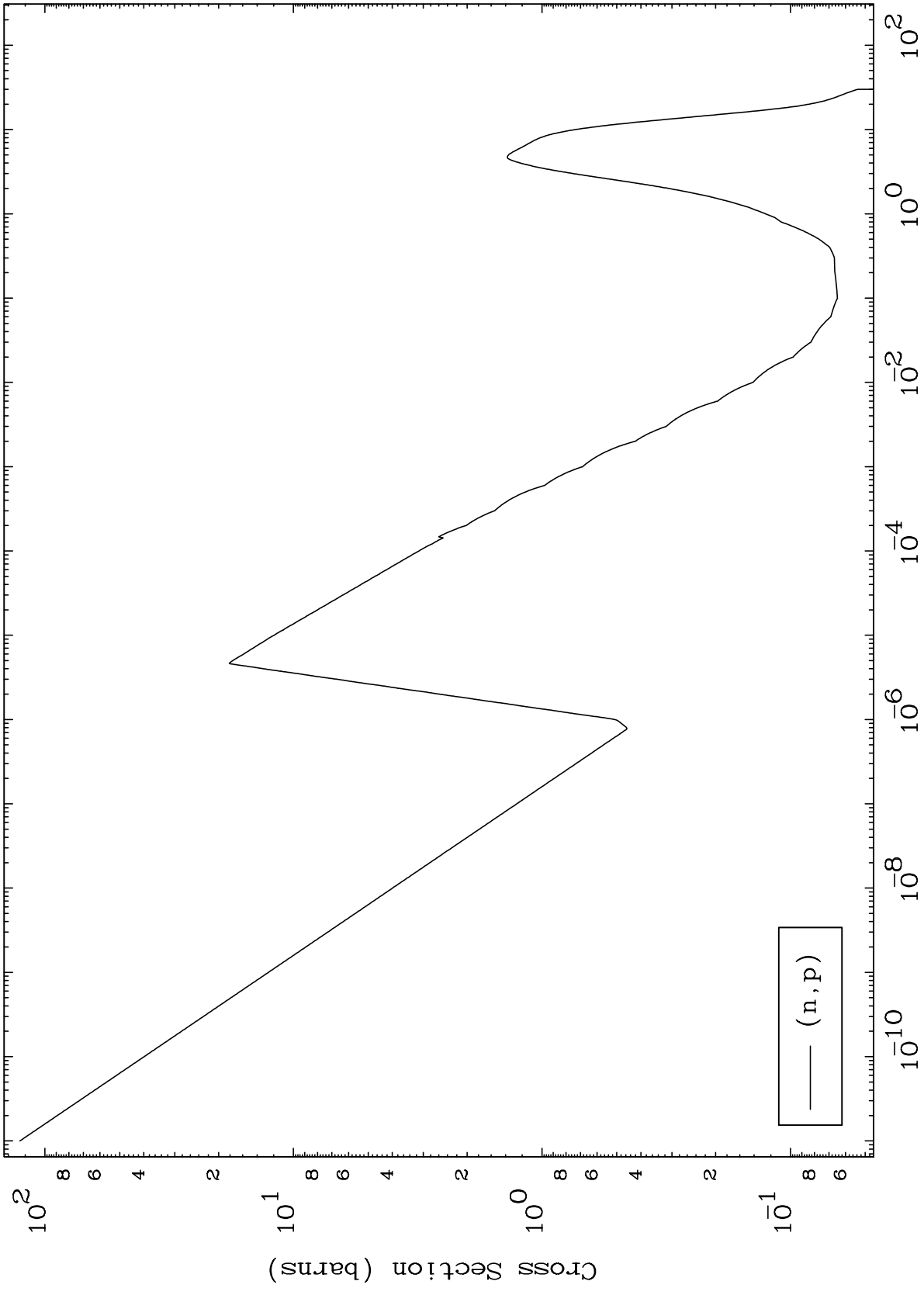
Incident Energy (MeV)

60-Nd-132

MAT 5995

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-132

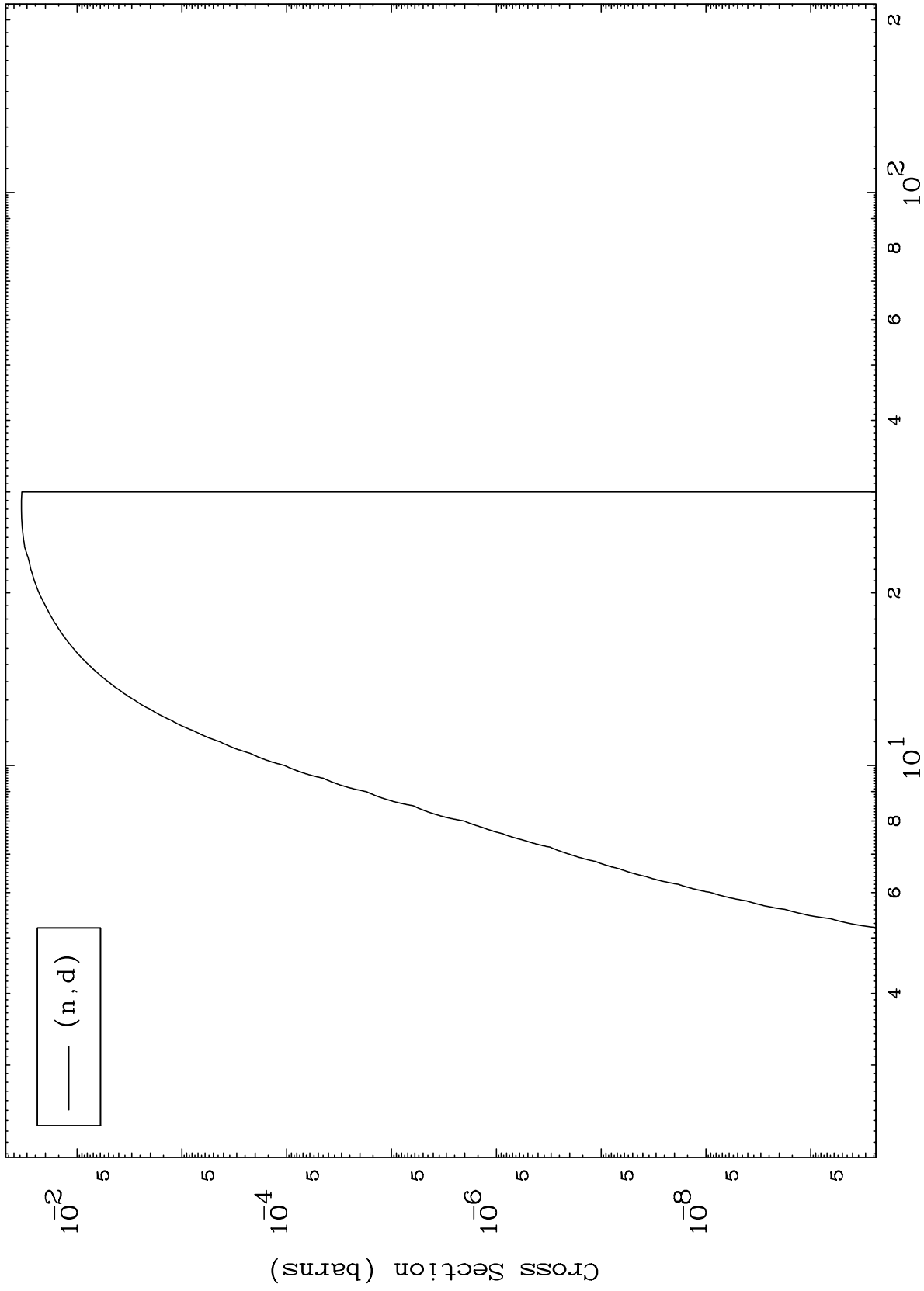


60-Nd-132

MAT 5995

(n,d) Levels
293 Kelvin Cross Sections

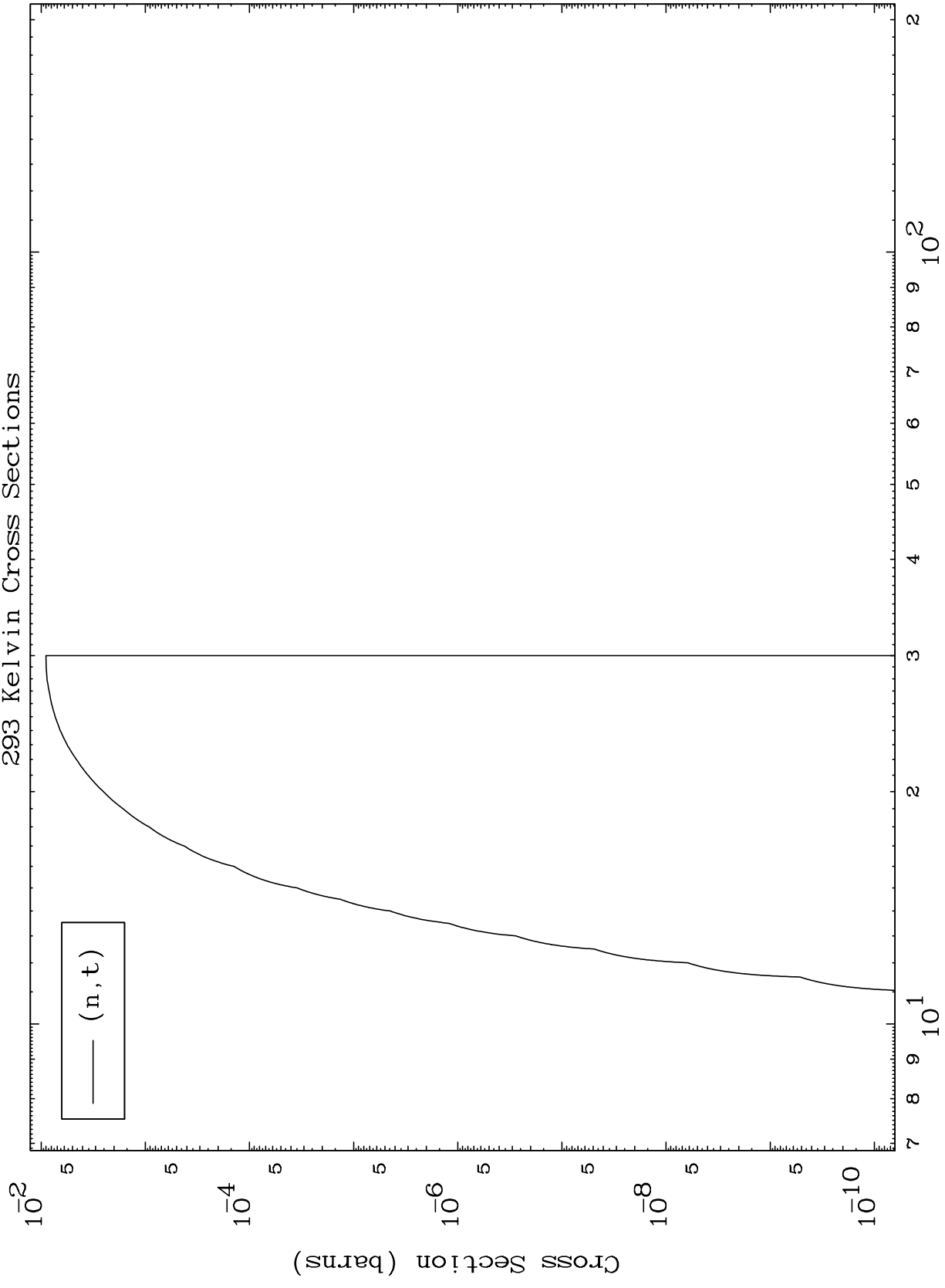
60-Nd-132



MAT 5995

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-132



10

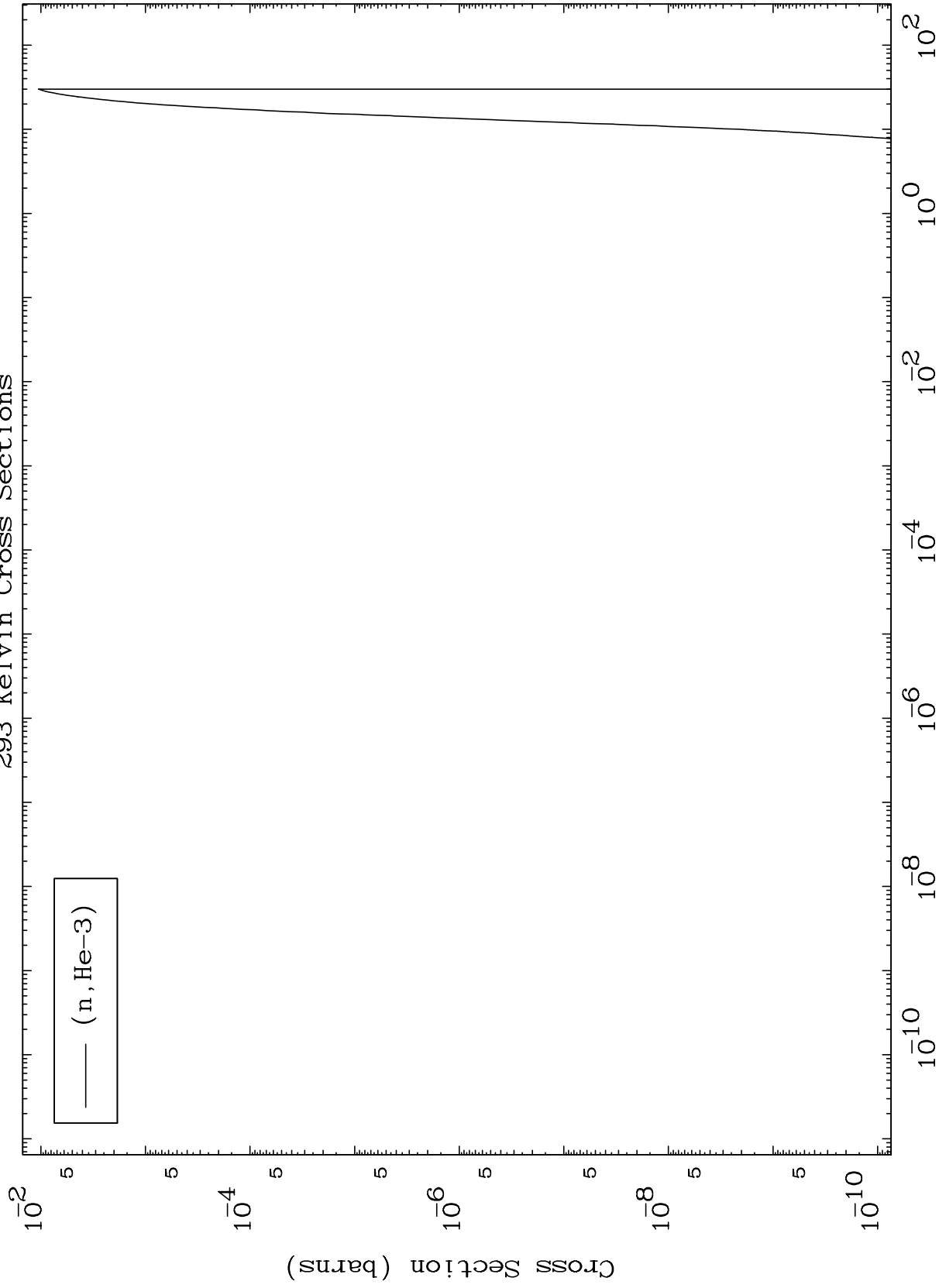
Incident Energy (MeV)

60-Nd-132

MAT 5995

(n,He3) Levels
293 Kelvin Cross Sections

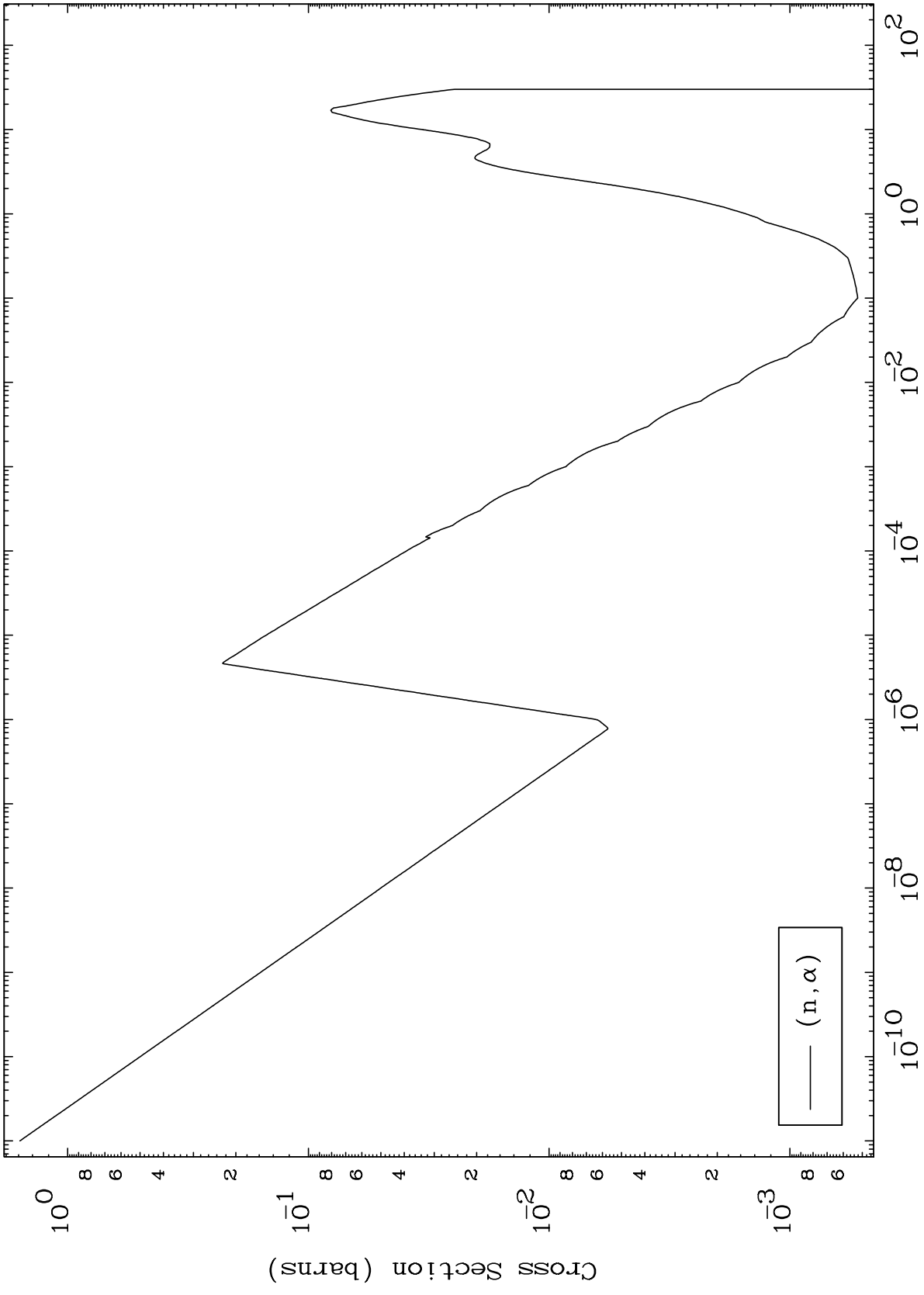
60-Nd-132



MAT 5995

(n,α) Levels
293 Kelvin Cross Sections

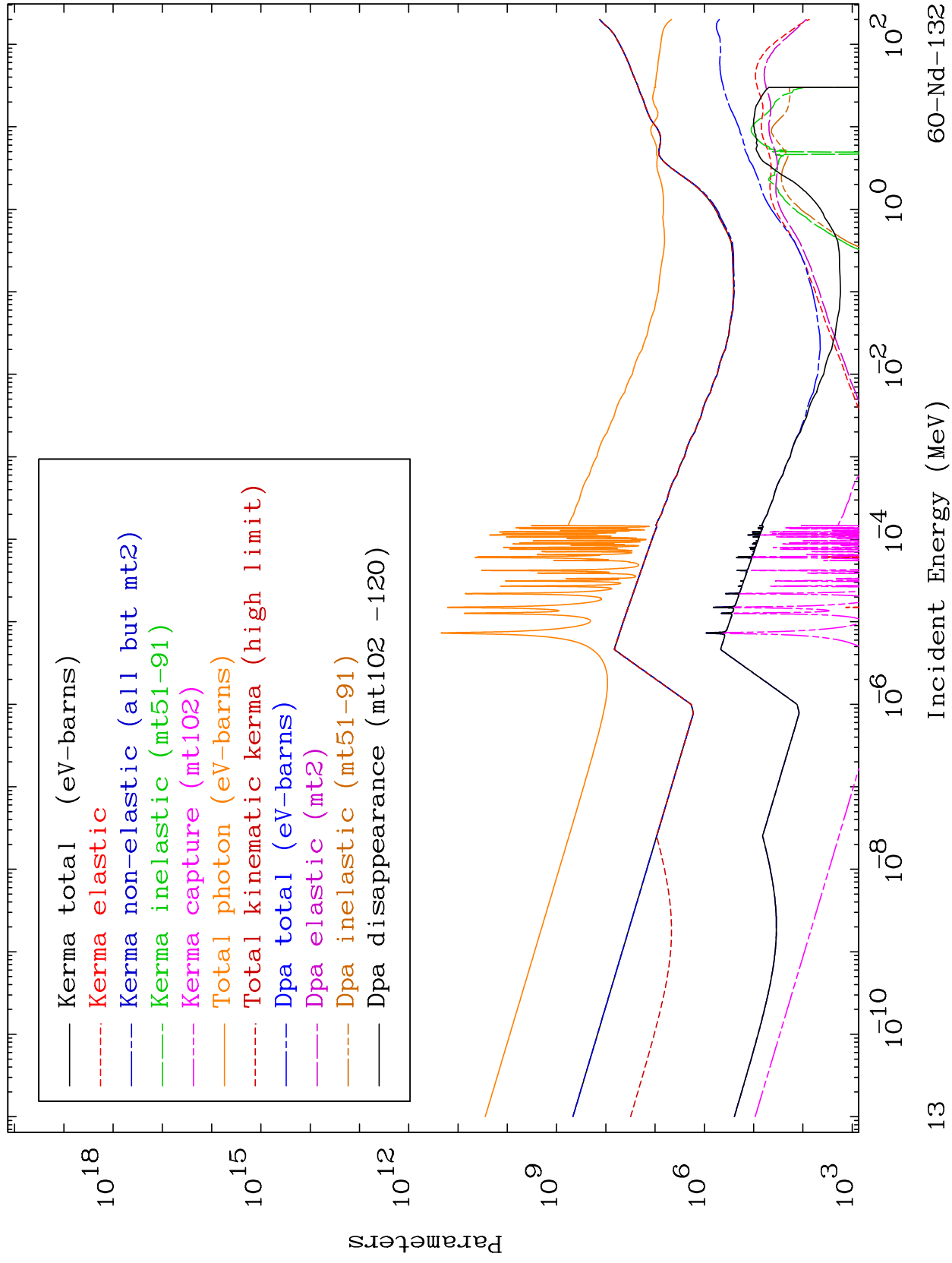
60-Nd-132



12

Incident Energy (MeV)

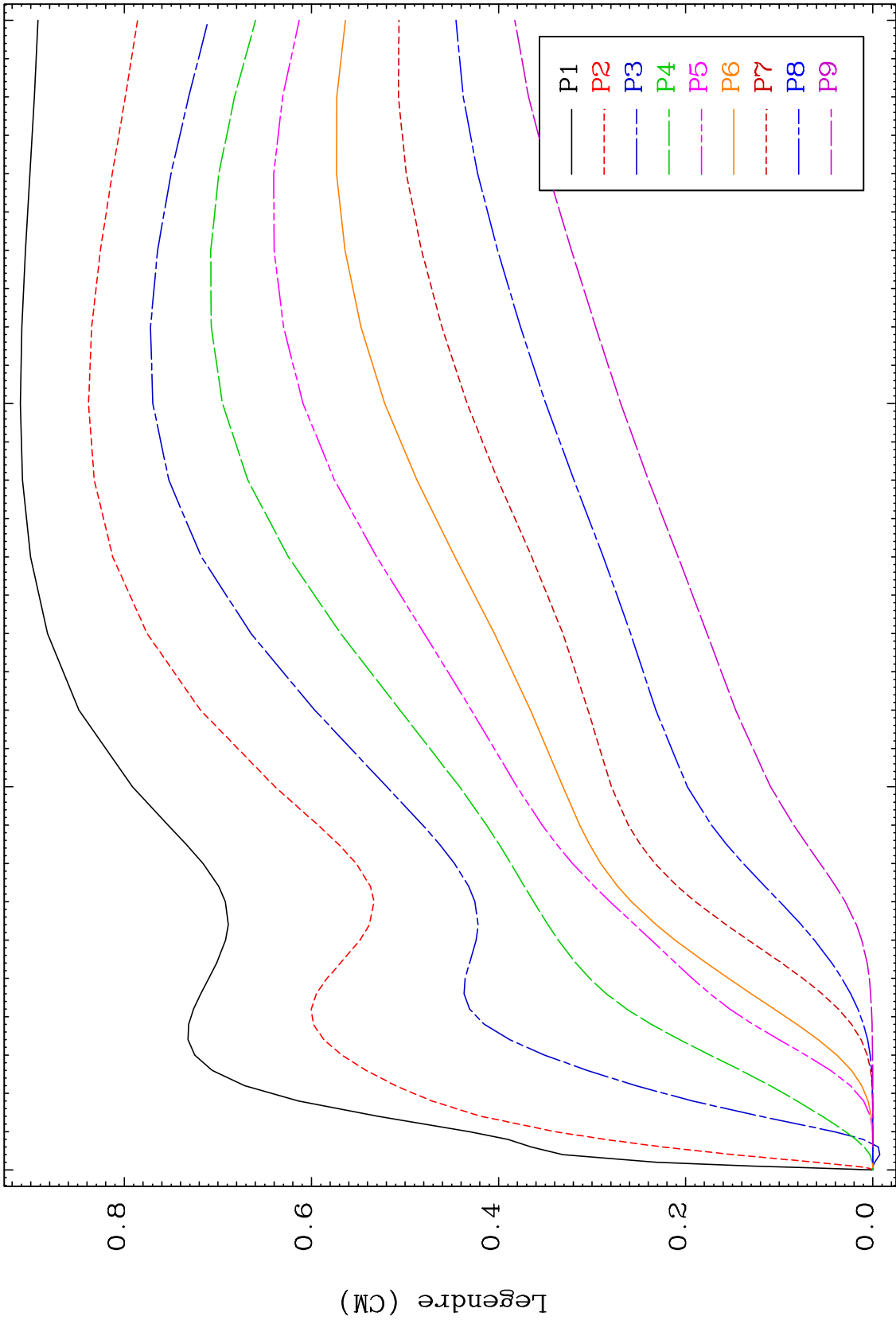
60-Nd-132



MAT 5995

Elastic Legendre Coefficients

60-Nd-132



14

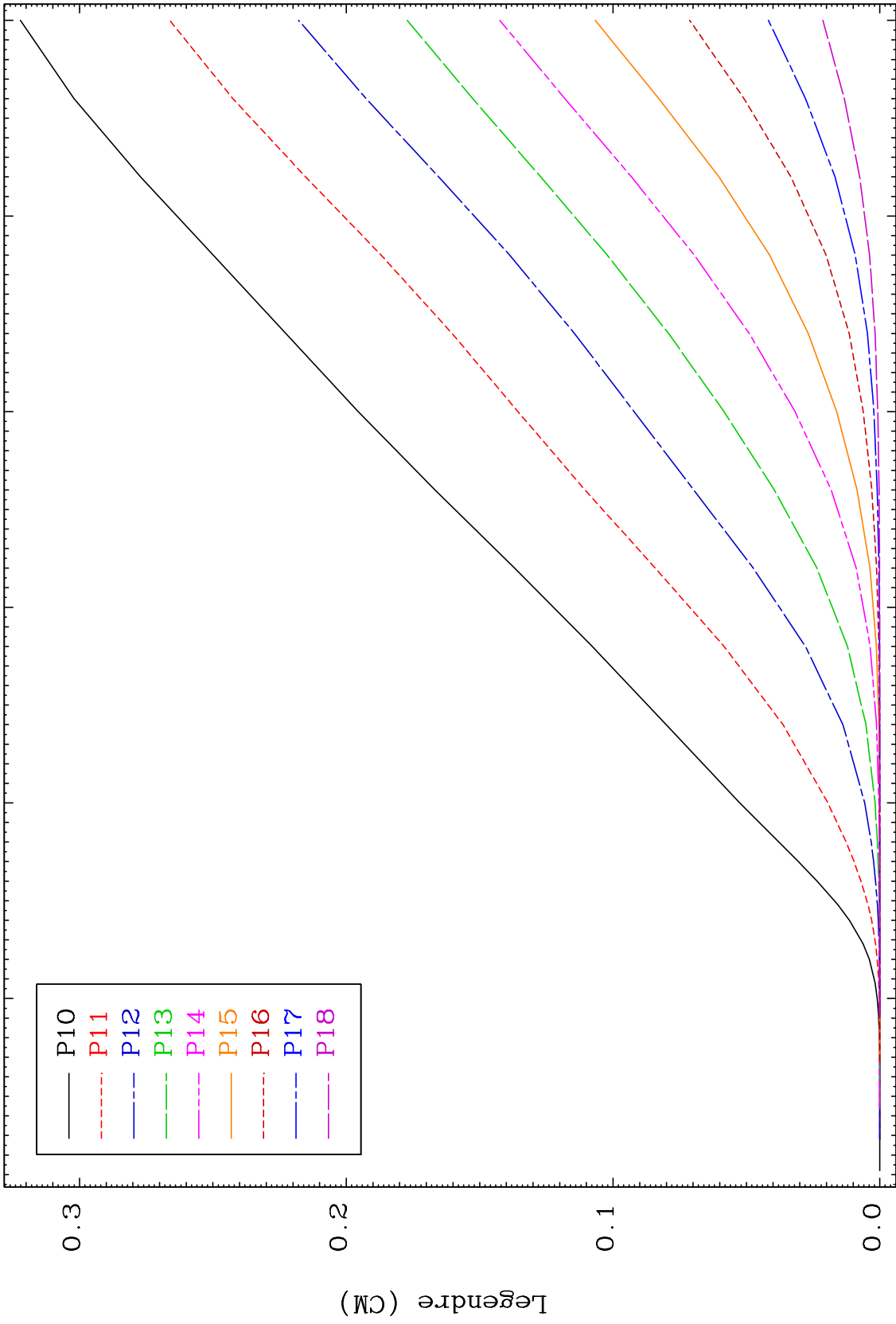
Incident Energy (MeV)

60-Nd-132

MAT 5995

Elastic Legendre Coefficients

60-Nd-132



15

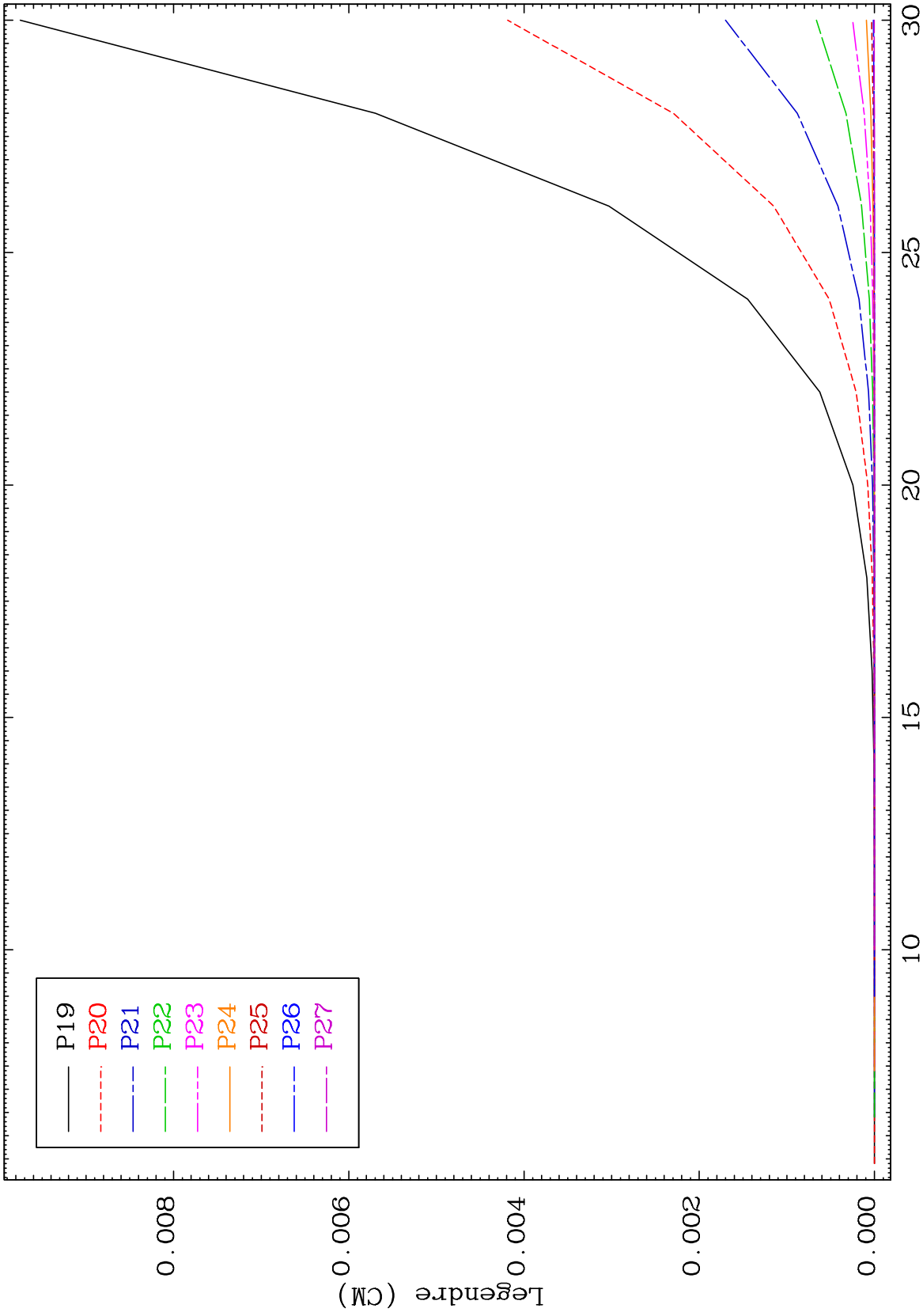
Incident Energy (MeV)

60-Nd-132

MAT 5995

Elastic Legendre Coefficients

60-Nd-132



16

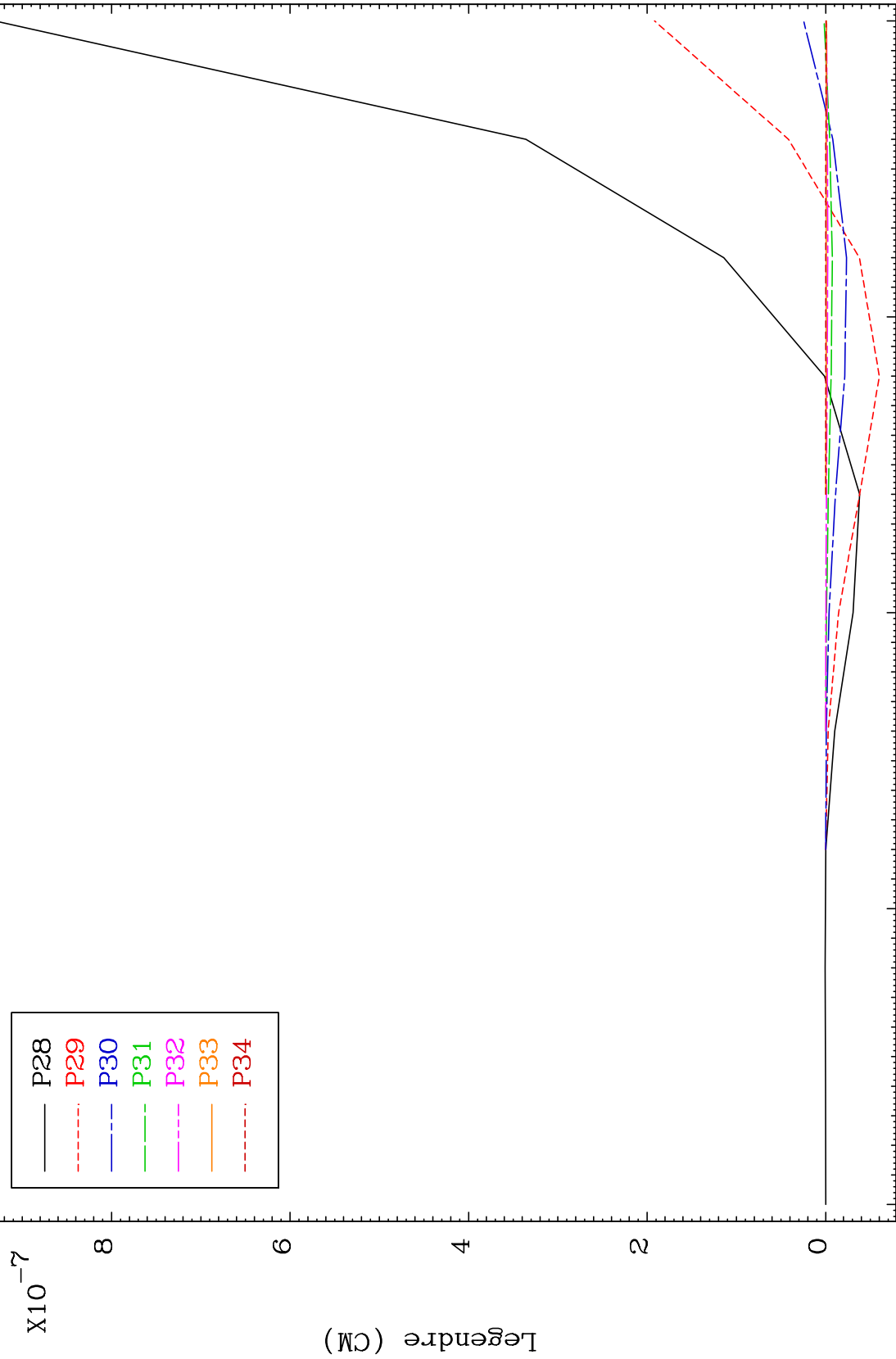
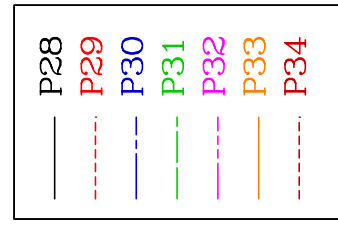
Incident Energy (MeV)

60-Nd-132

MAT 5995

Elastic Legendre Coefficients

60-Nd-132



17

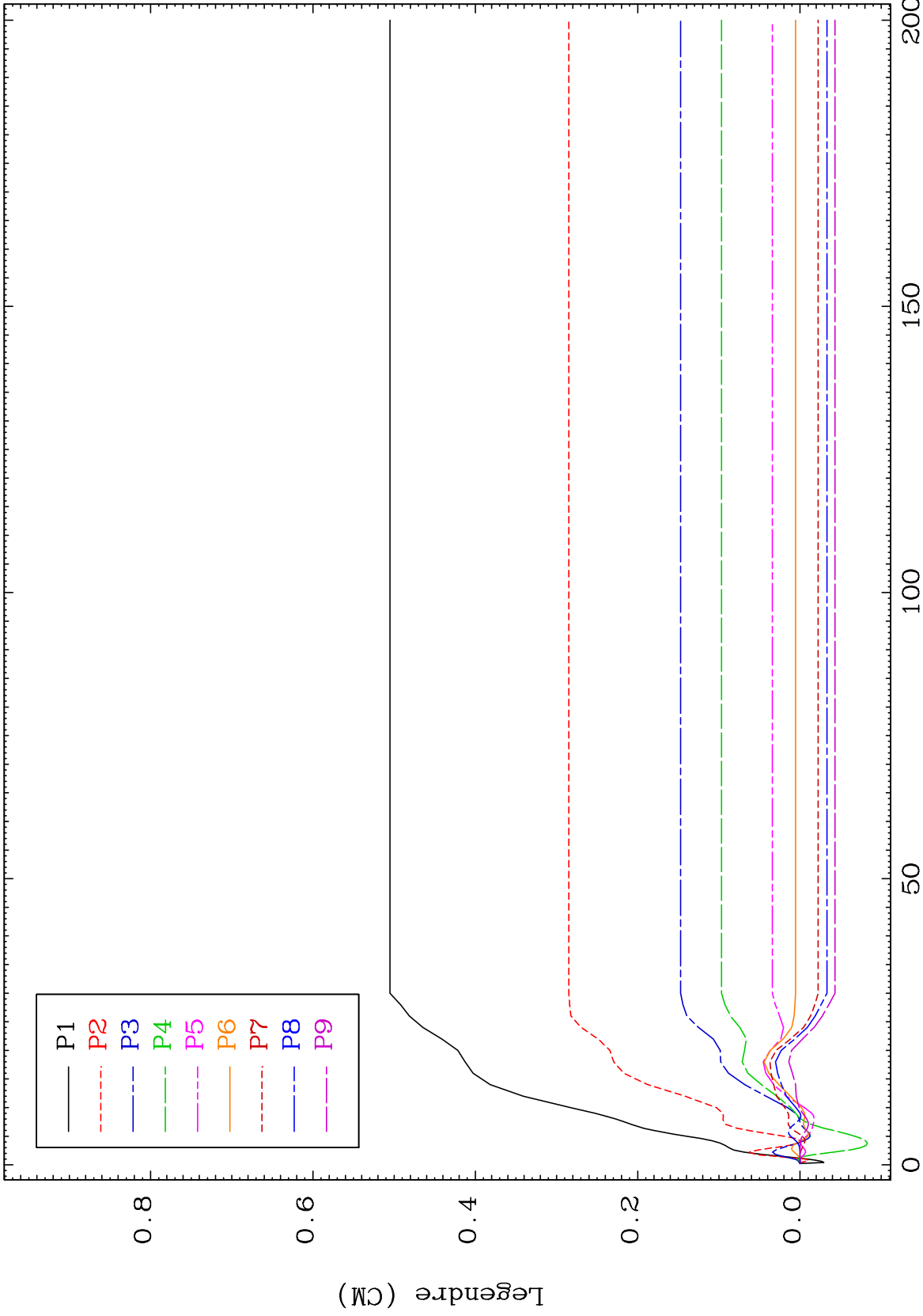
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 51 (n,n') Level
Legendre Coefficients

60-Nd-132



18

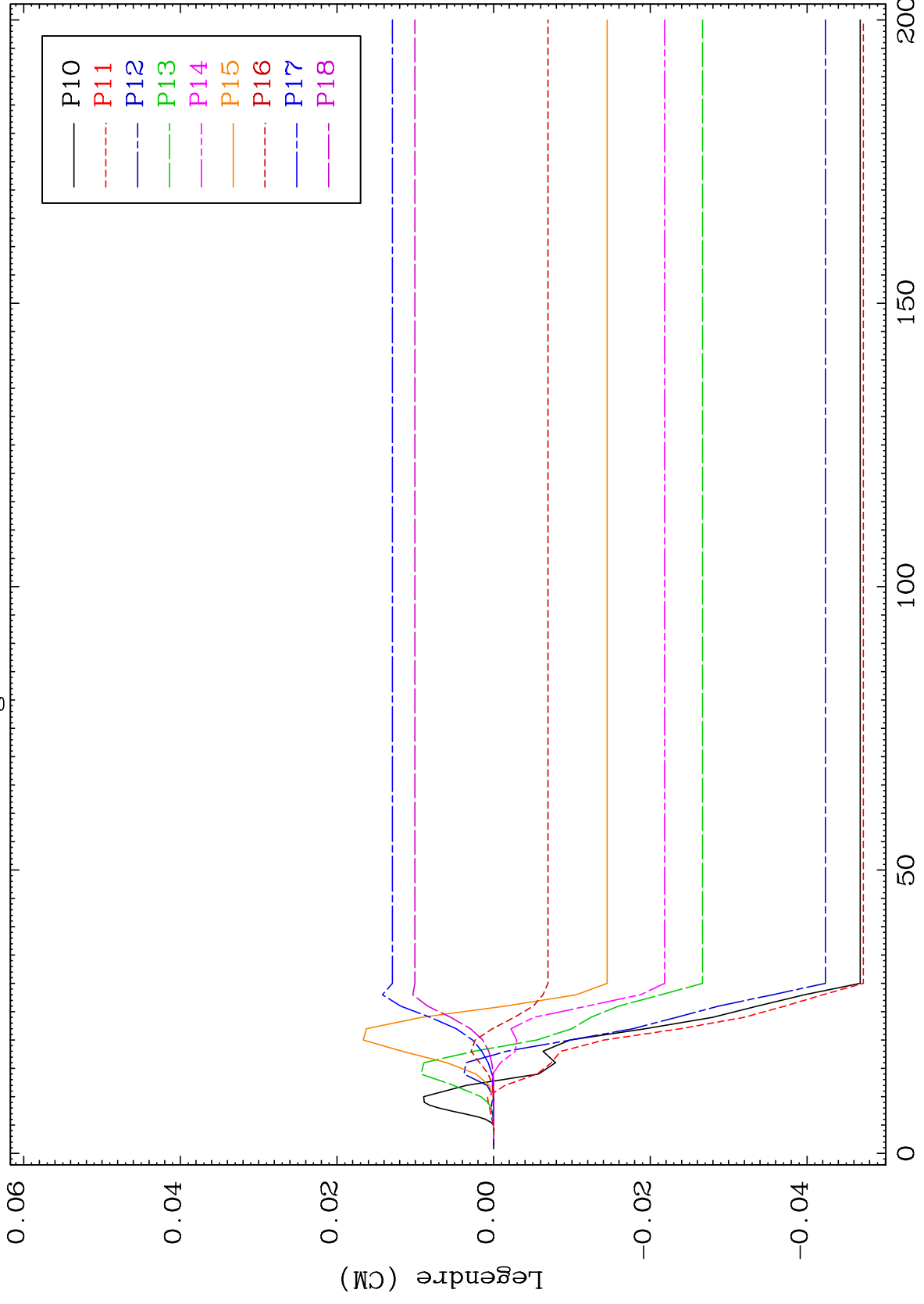
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 51 (n,n') Level
Legendre Coefficients

60-Nd-132



19

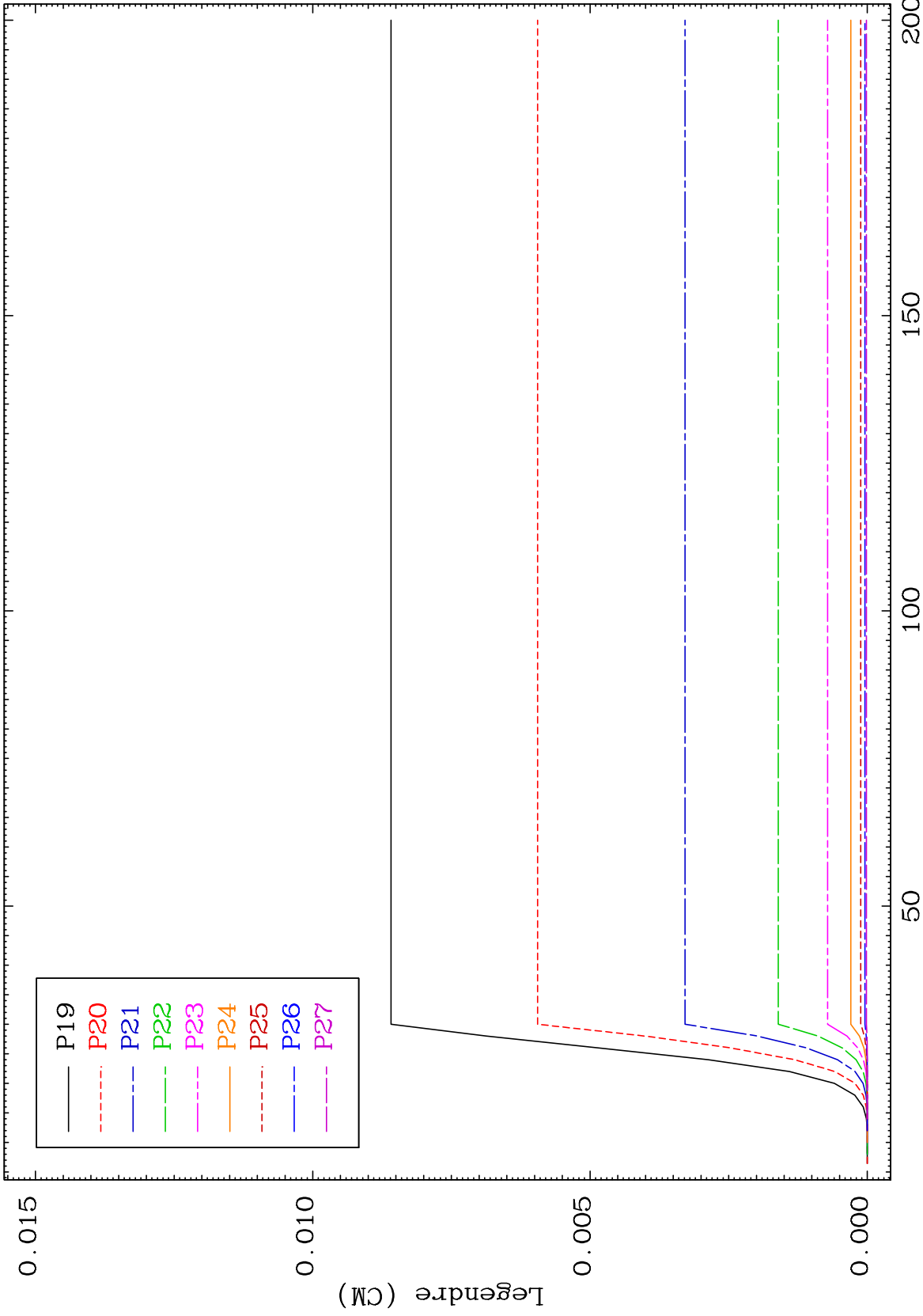
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 51 (n,n') Level
Legendre Coefficients

60-Nd-132



20

50

100

150

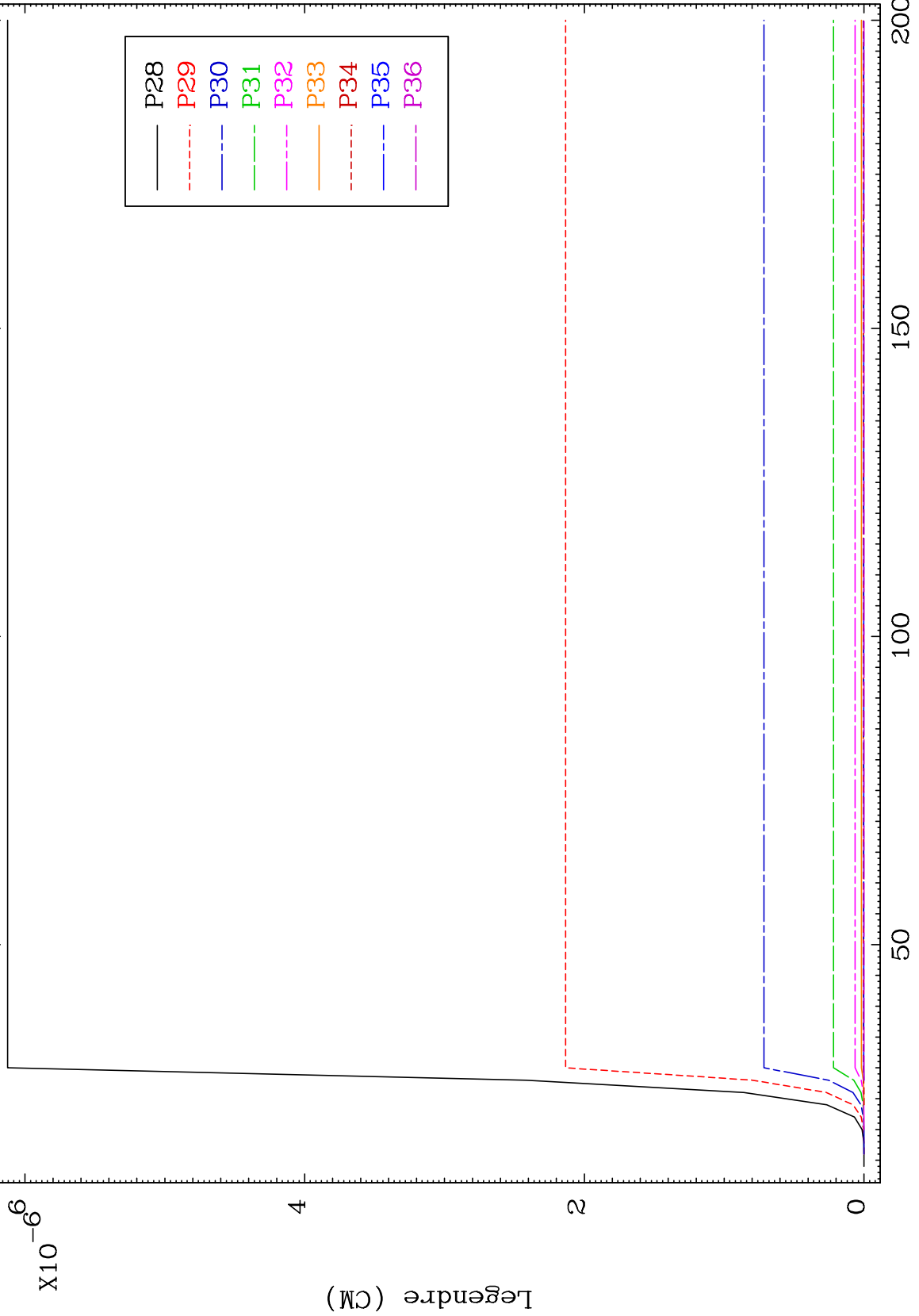
200

60-Nd-132

MAT 5995

MT= 51 (n,n') Level
Legendre Coefficients

60-Nd-132



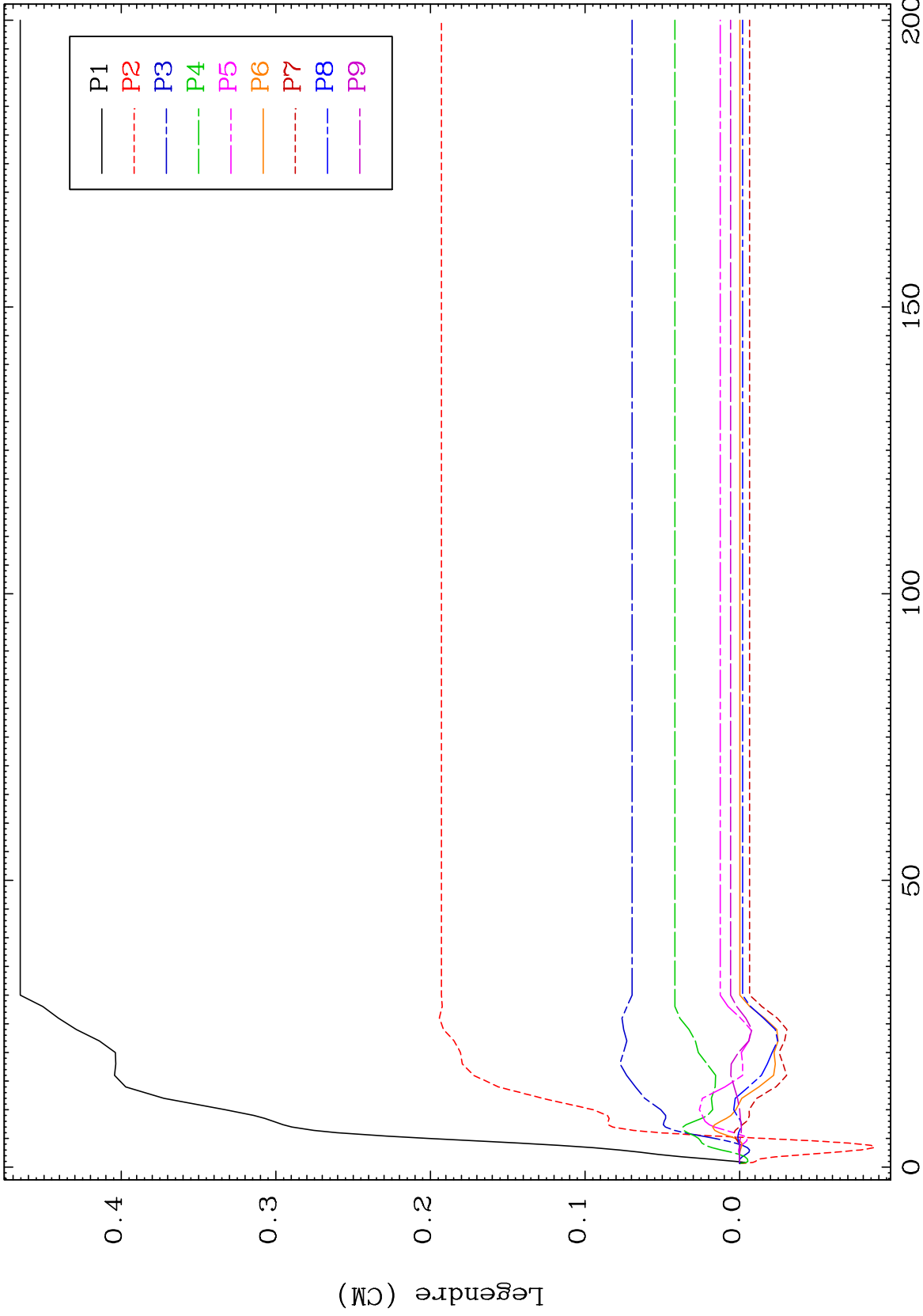
21

60-Nd-132

MAT 5995

MT= 52 (n,n') Level
Legendre Coefficients

60-Nd-132



22

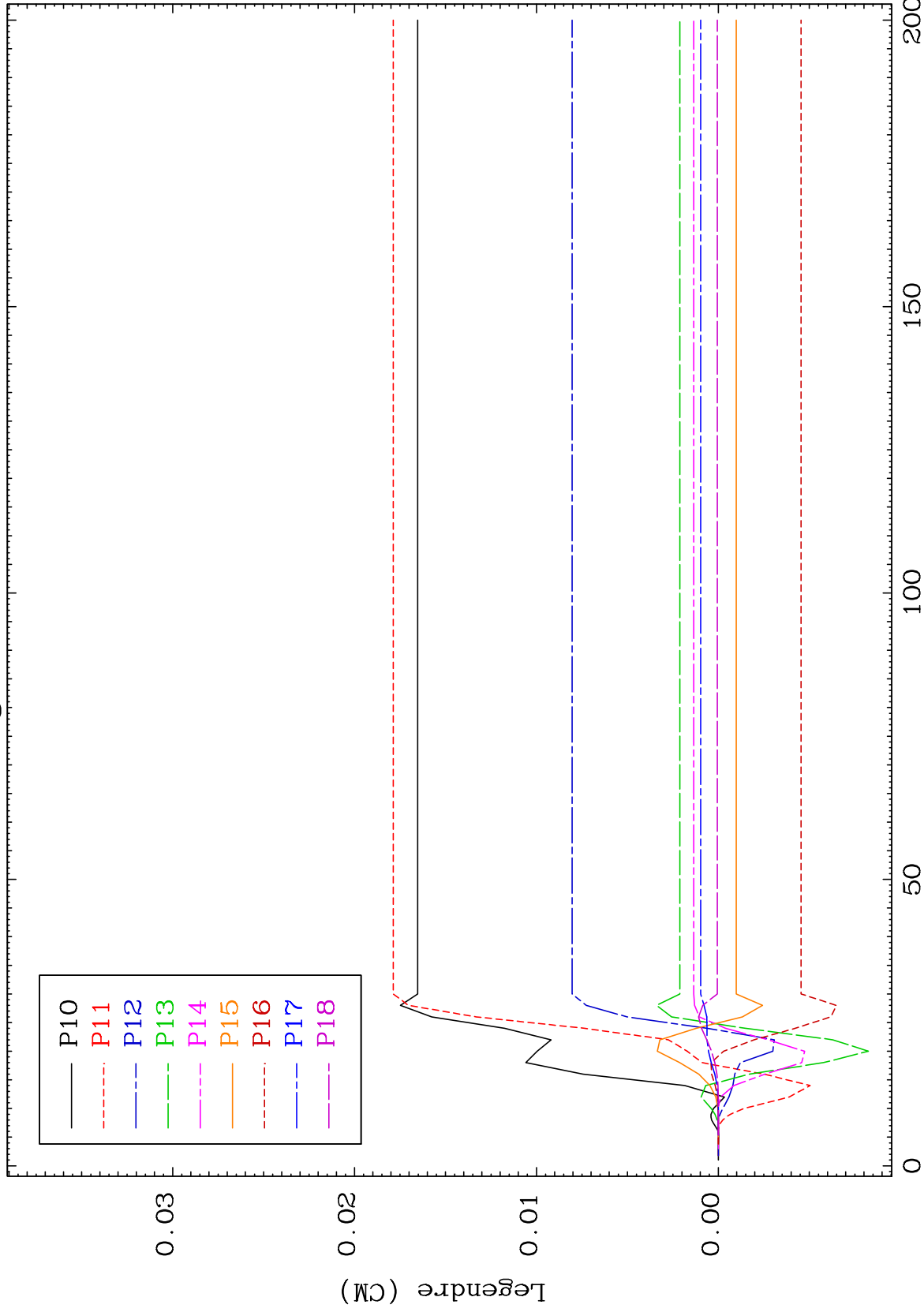
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 52 (n,n') Level
Legendre Coefficients

60-Nd-132



23

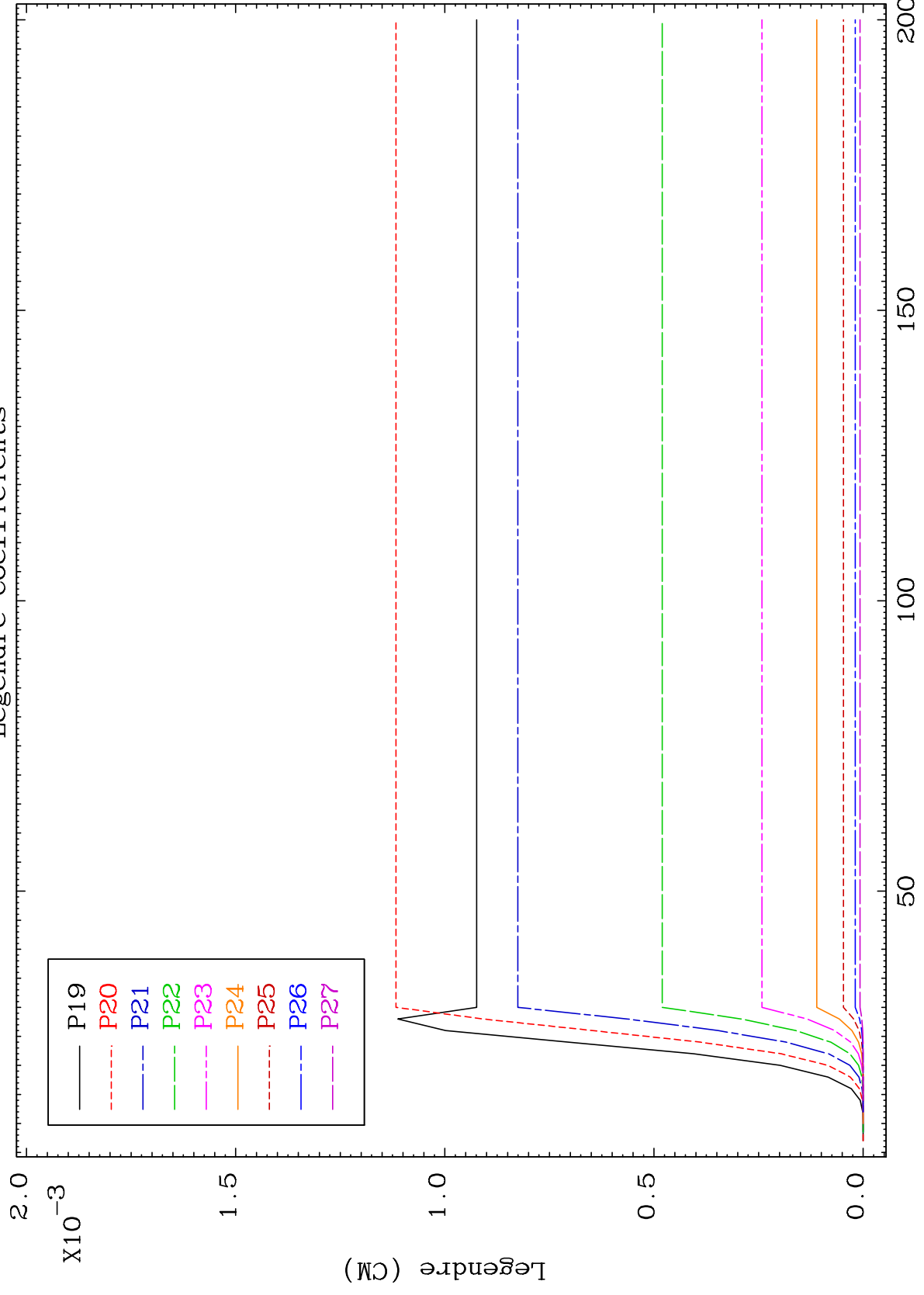
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 52 (n,n') Level
Legendre Coefficients

60-Nd-132



24

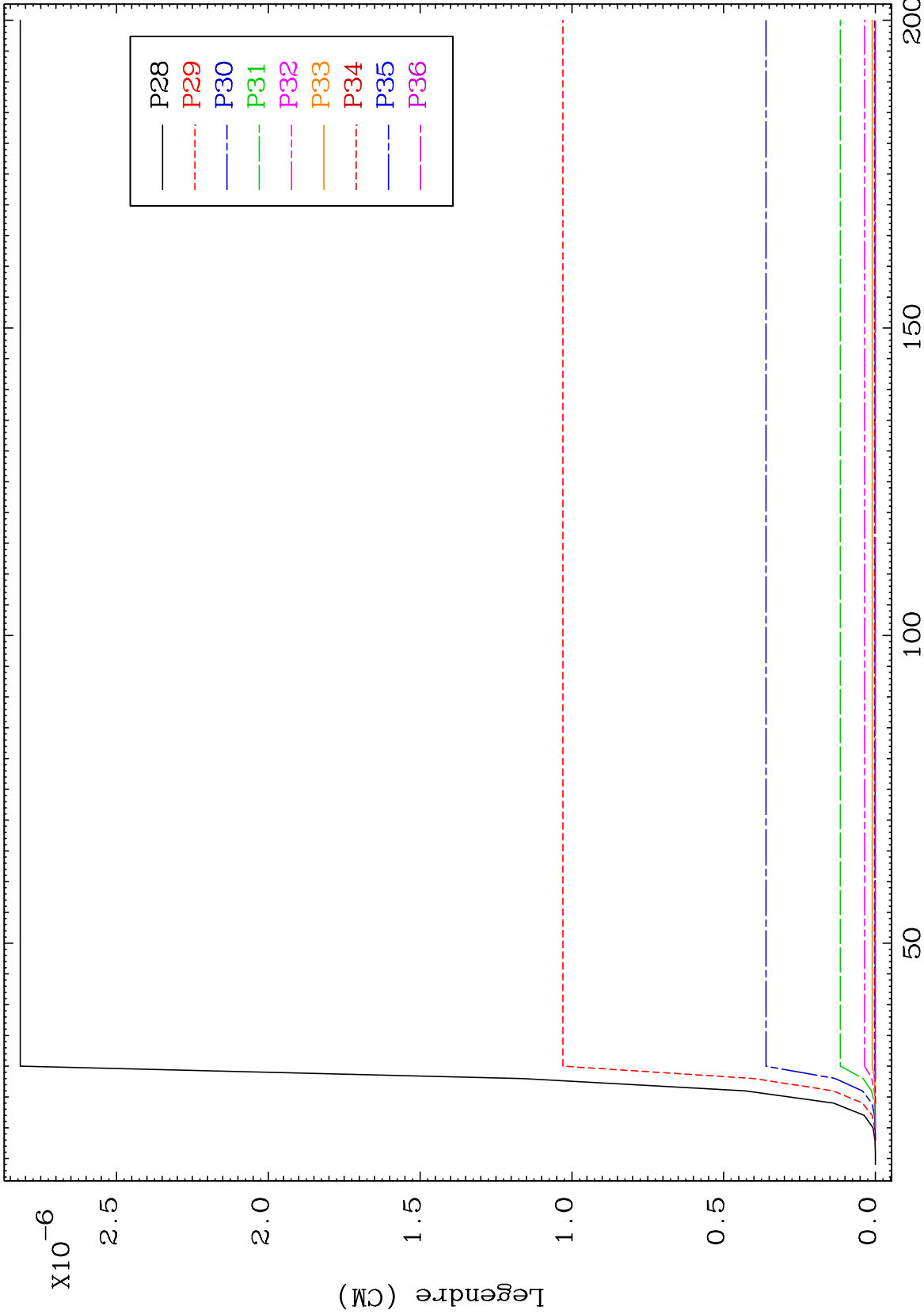
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 52 (n,n') Level
Legendre Coefficients

60-Nd-132



25

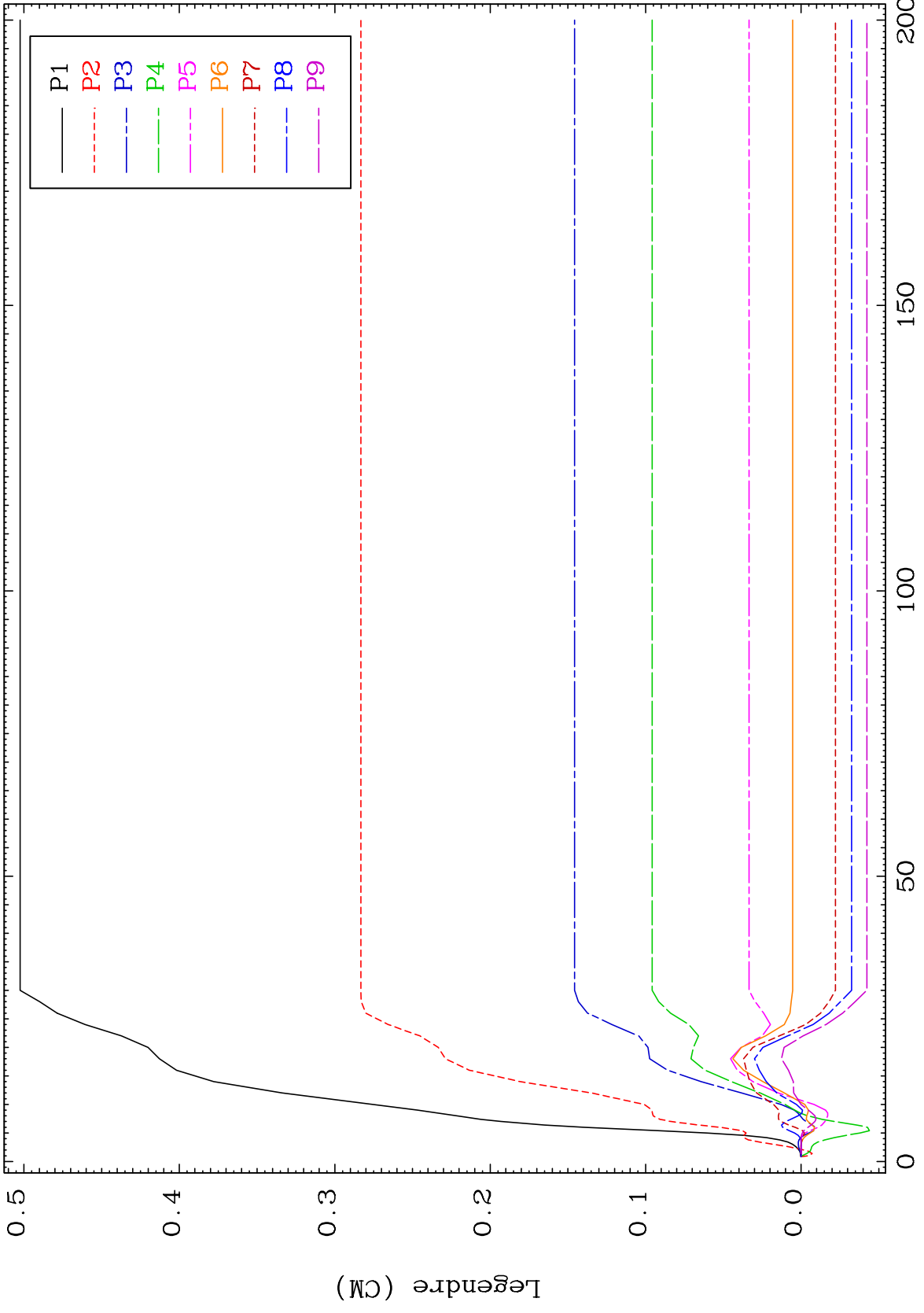
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 53 (n,n') Level
Legendre Coefficients

60-Nd-132



26

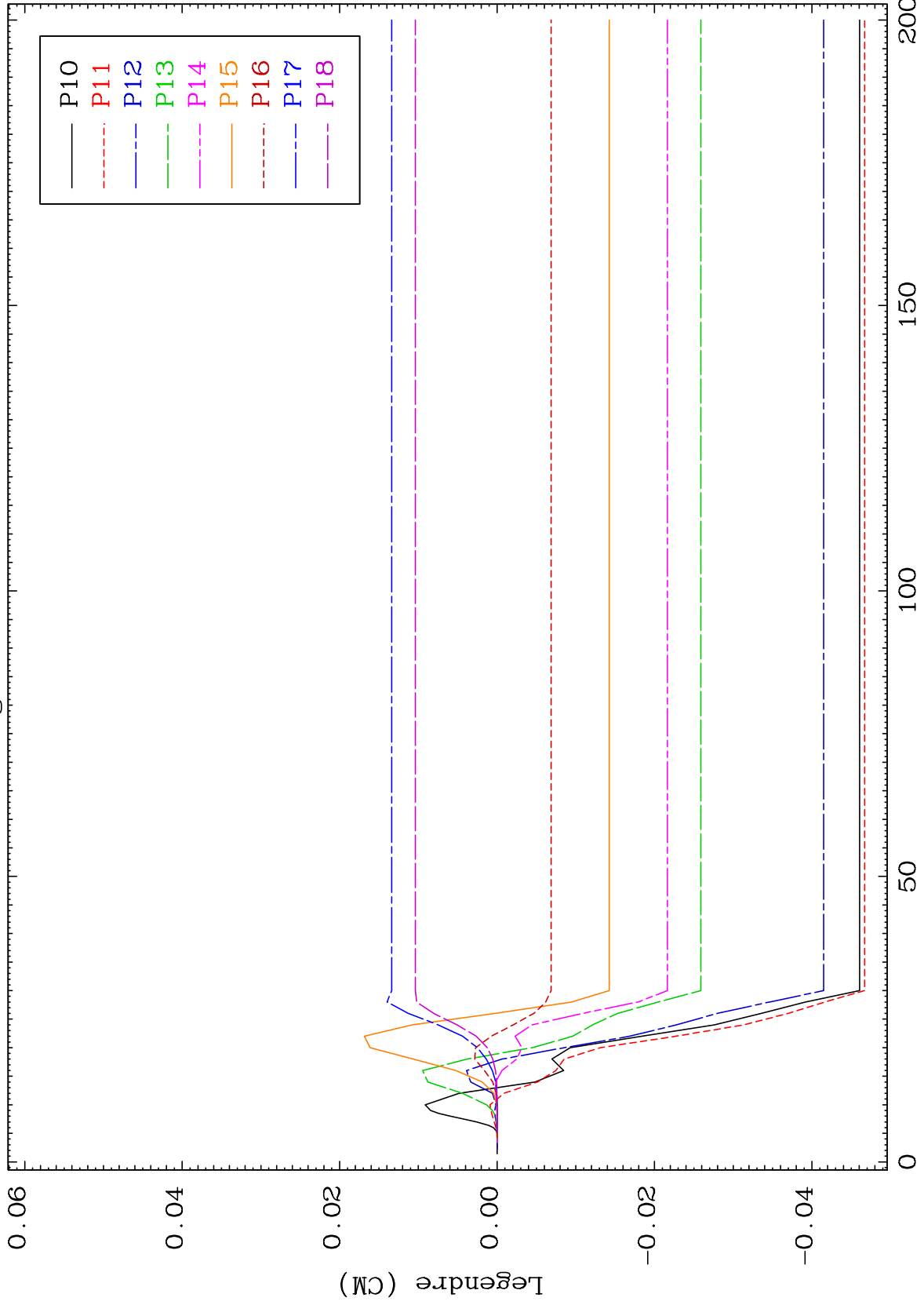
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 53 (n,n') Level
Legendre Coefficients

60-Nd-132



27

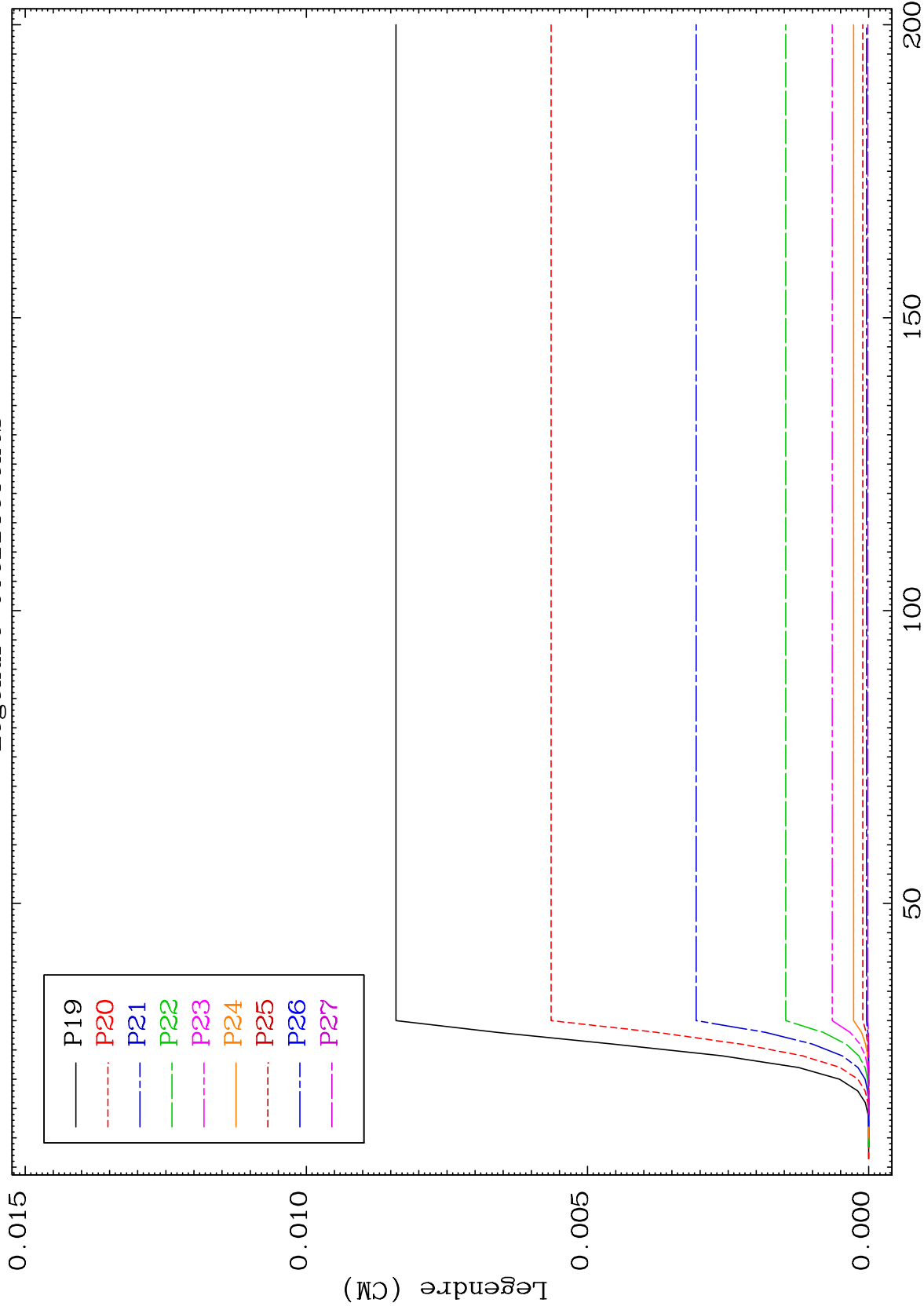
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 53 (n,n') Level
Legendre Coefficients

60-Nd-132



28

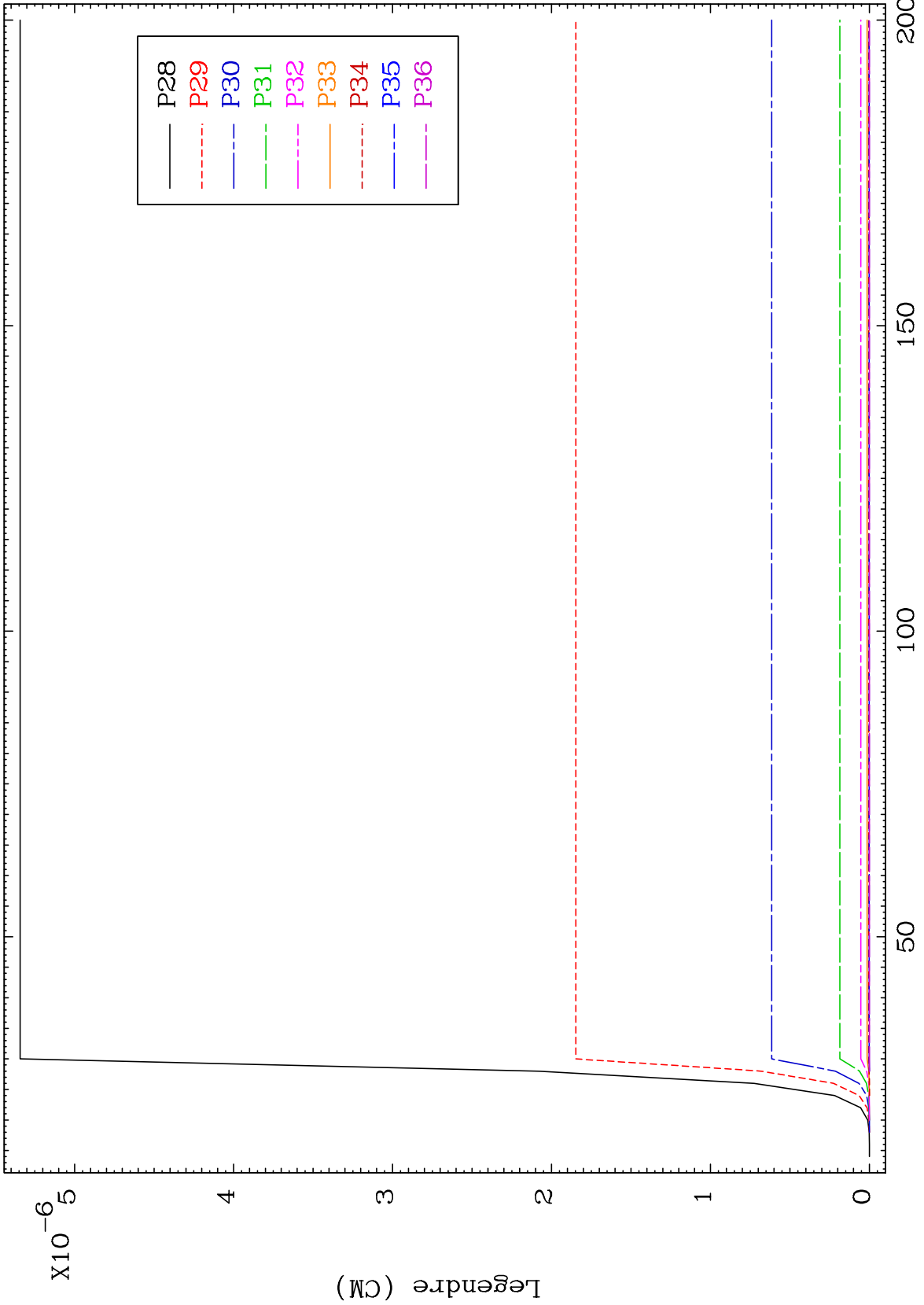
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 53 (n,n') Level
Legendre Coefficients

60-Nd-132

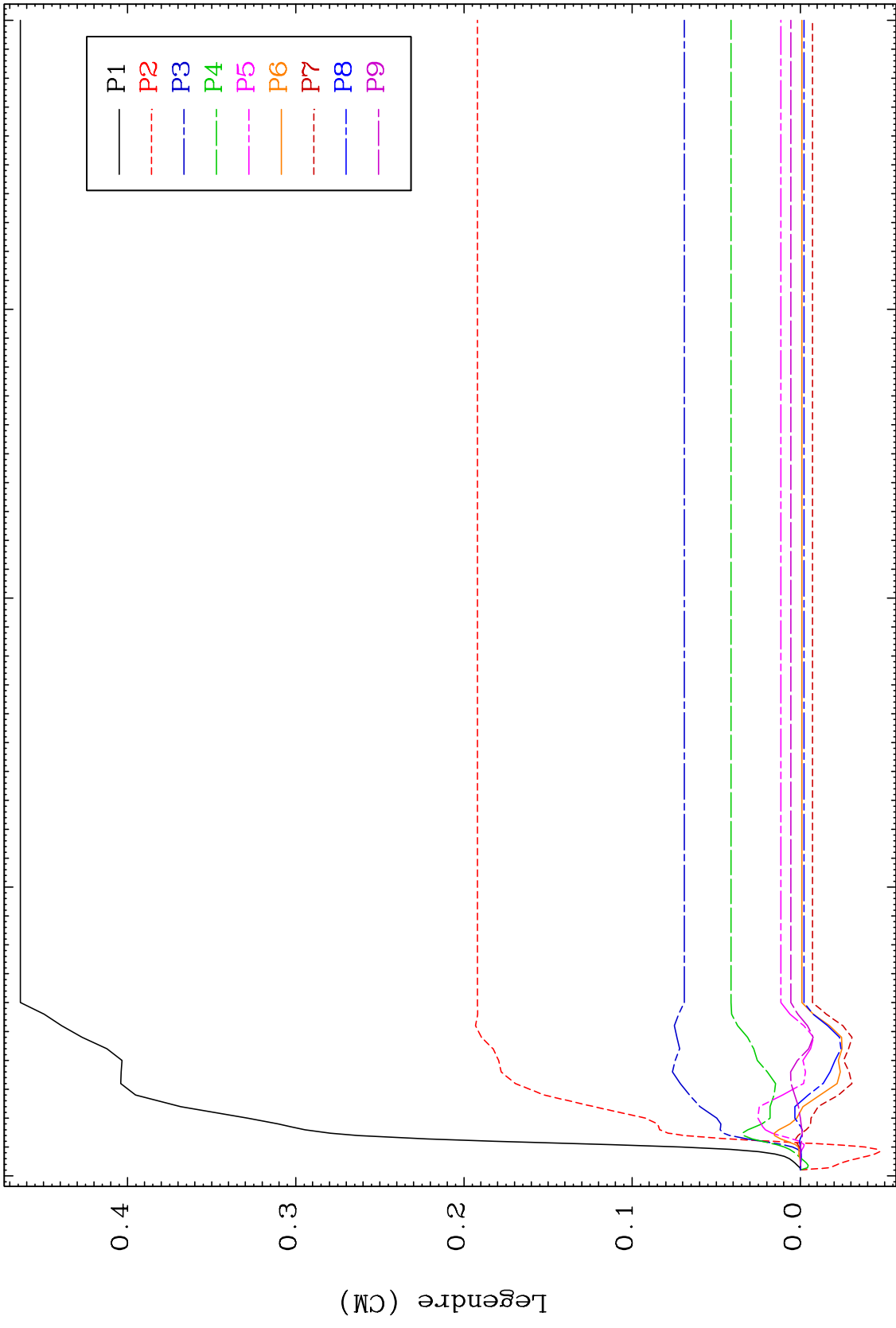


29

Incident Energy (MeV)

60-Nd-132

MAT 5995 MT= 54 (n,n') Level Legendre Coefficients 60-Nd-132

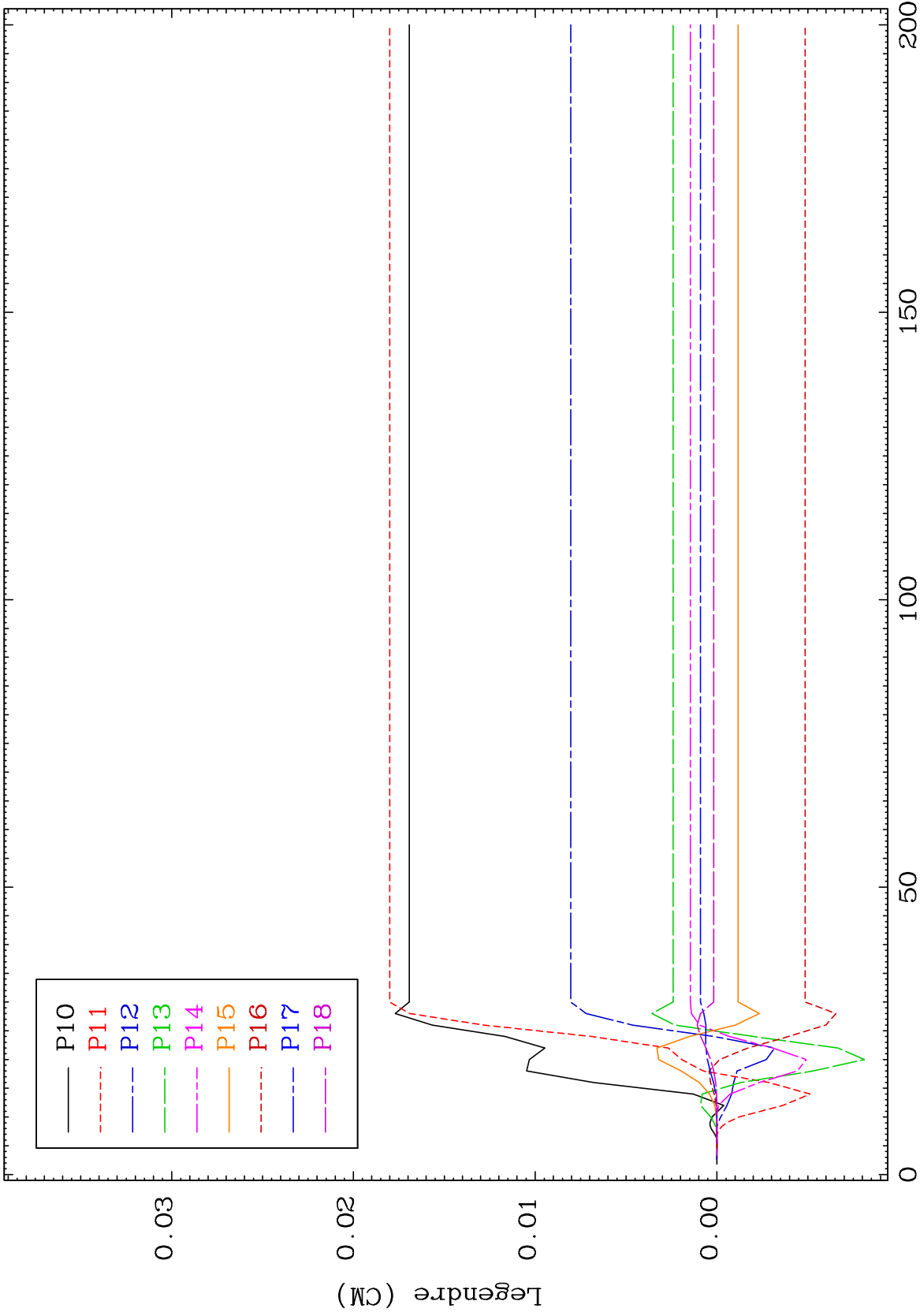


30 50 100 150 200 60-Nd-132

MAT 5995

MT= 54 (n,n') Level
Legendre Coefficients

60-Nd-132



31

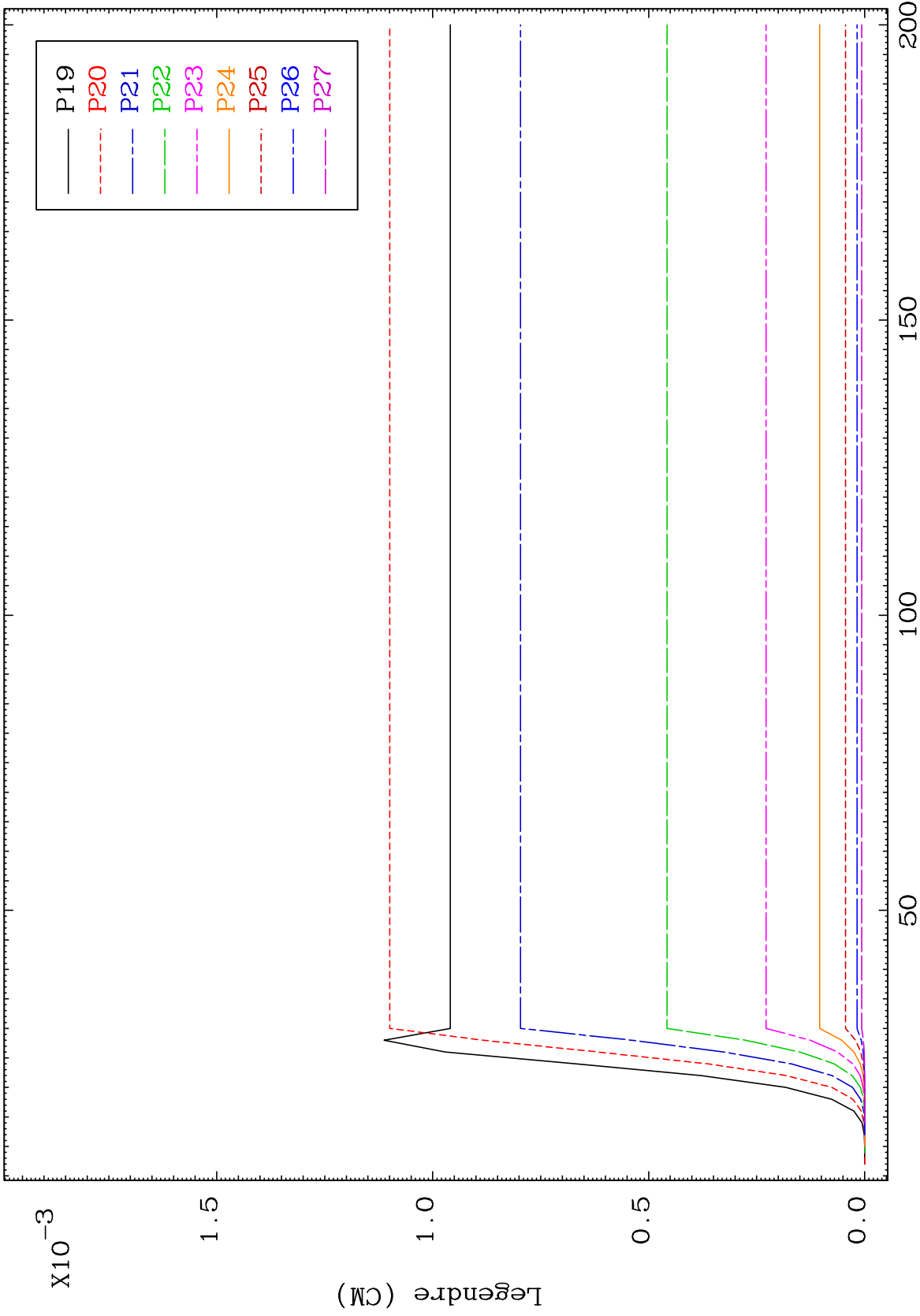
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 54 (n,n') Level
Legendre Coefficients

60-Nd-132



32

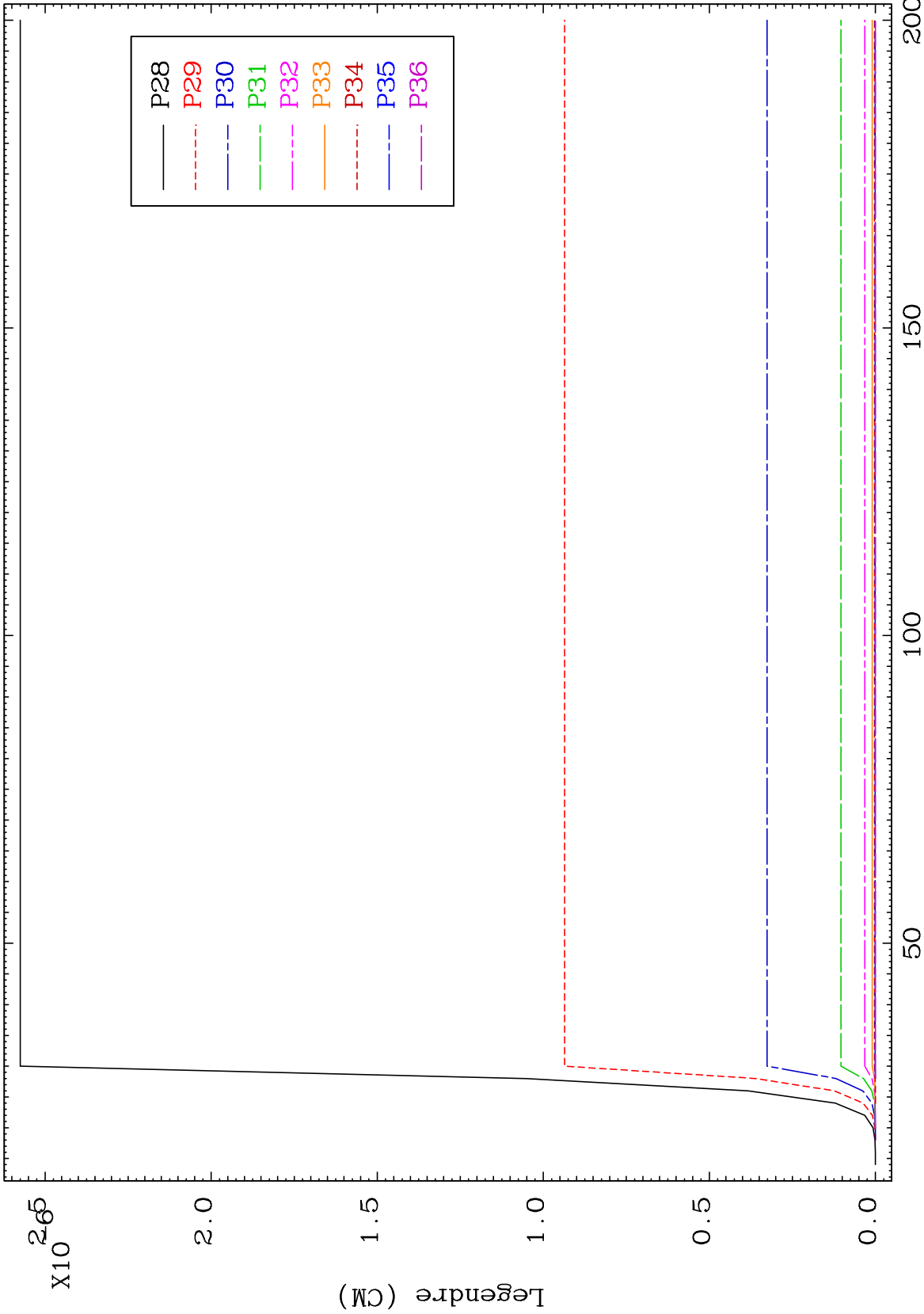
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 54 (n,n') Level
Legendre Coefficients

60-Nd-132

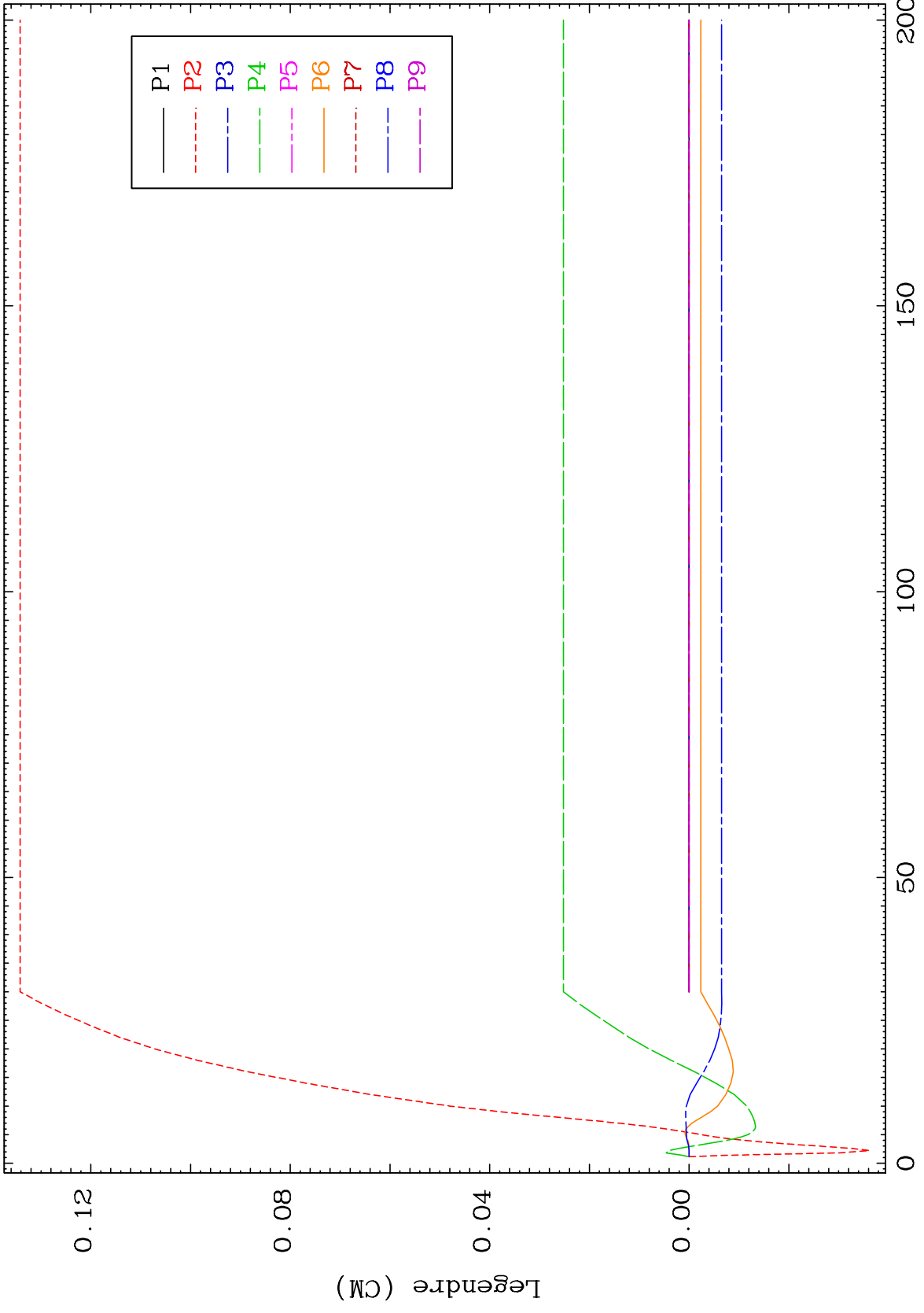


33

Incident Energy (MeV)

60-Nd-132

MAT 5995 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-132

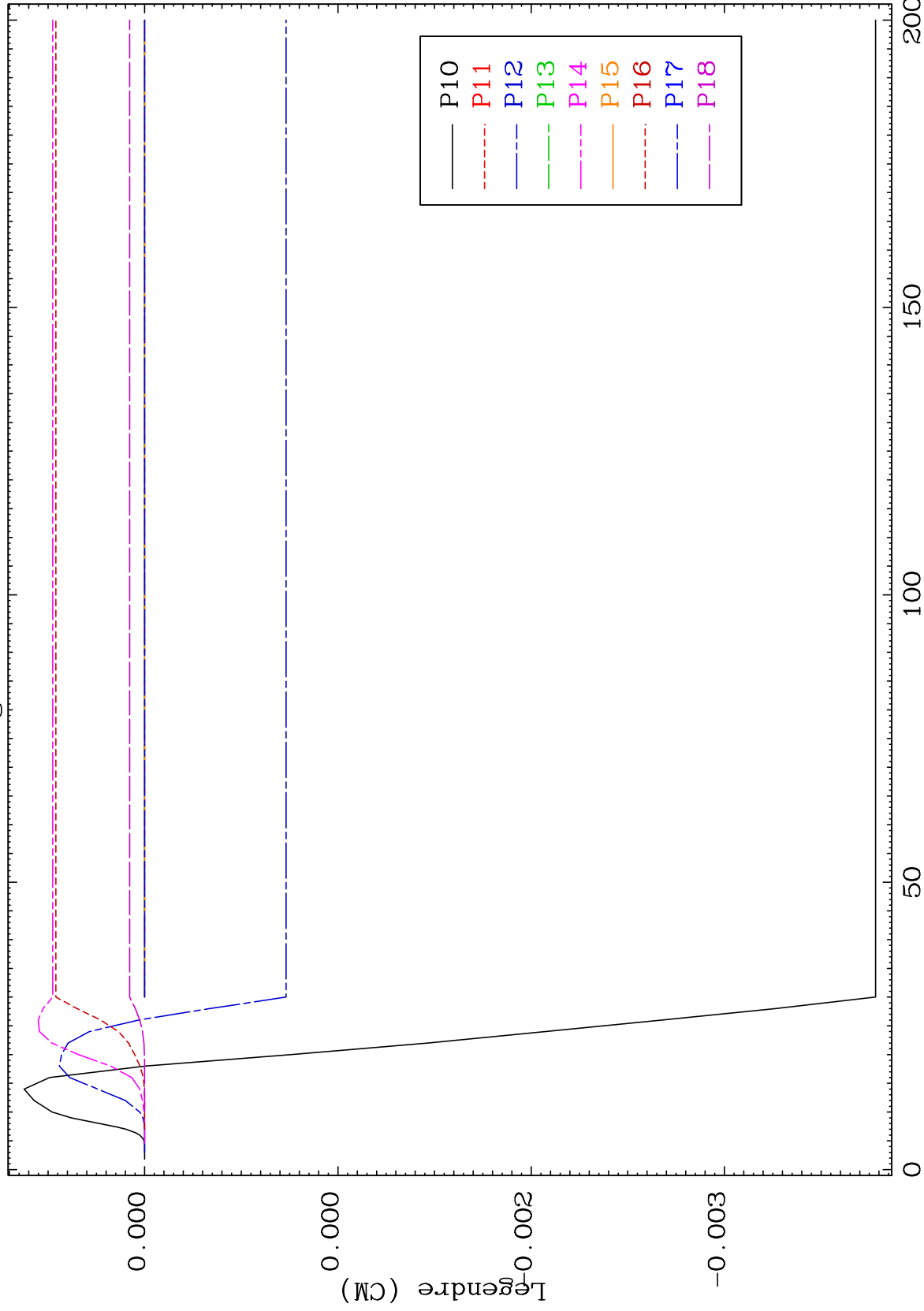


34 60-Nd-132

MAT 5995

MT= 55 (n,n') Level
Legendre Coefficients

60-Nd-132

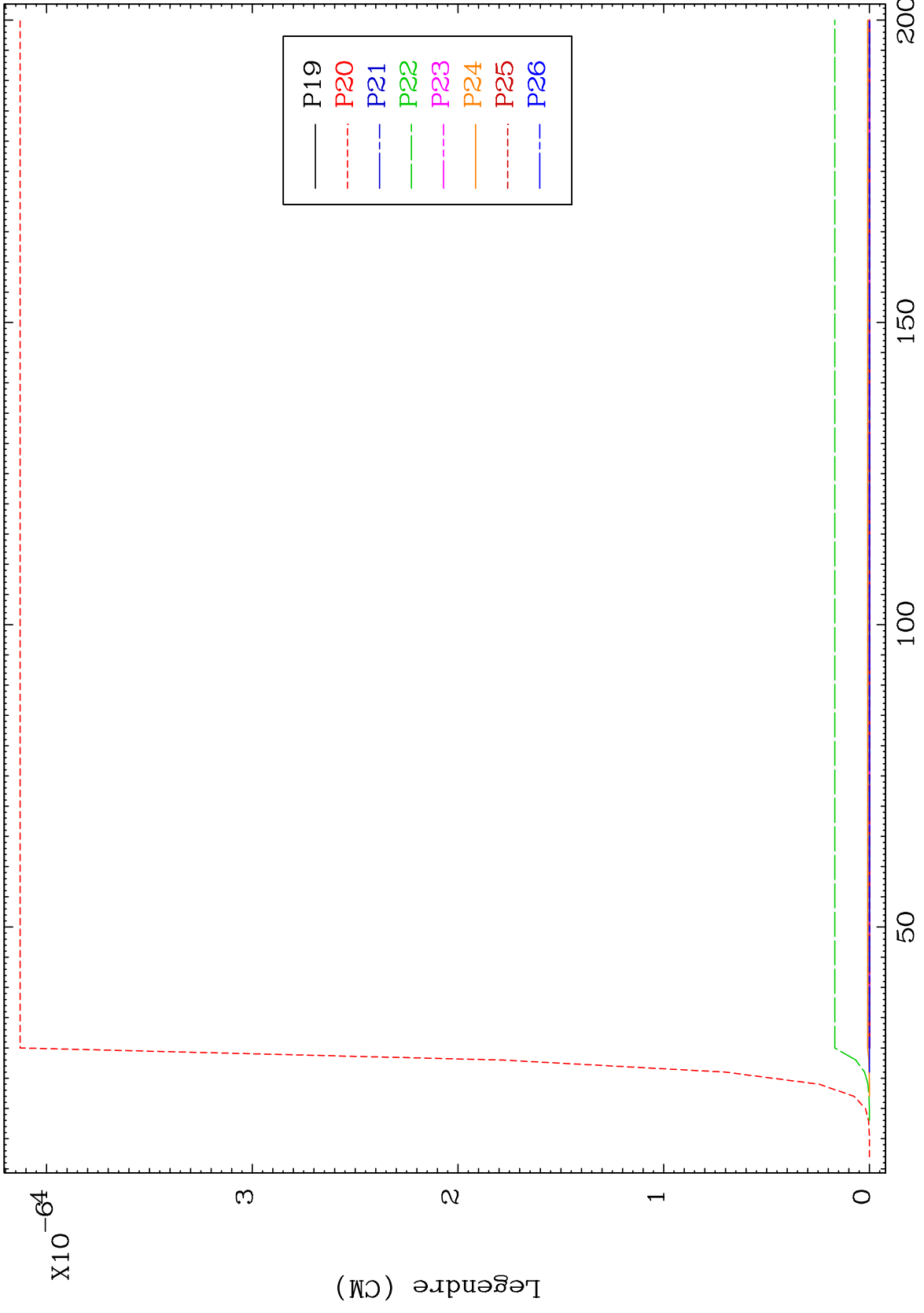


35

Incident Energy (MeV)

60-Nd-132

MAT 5995 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-132

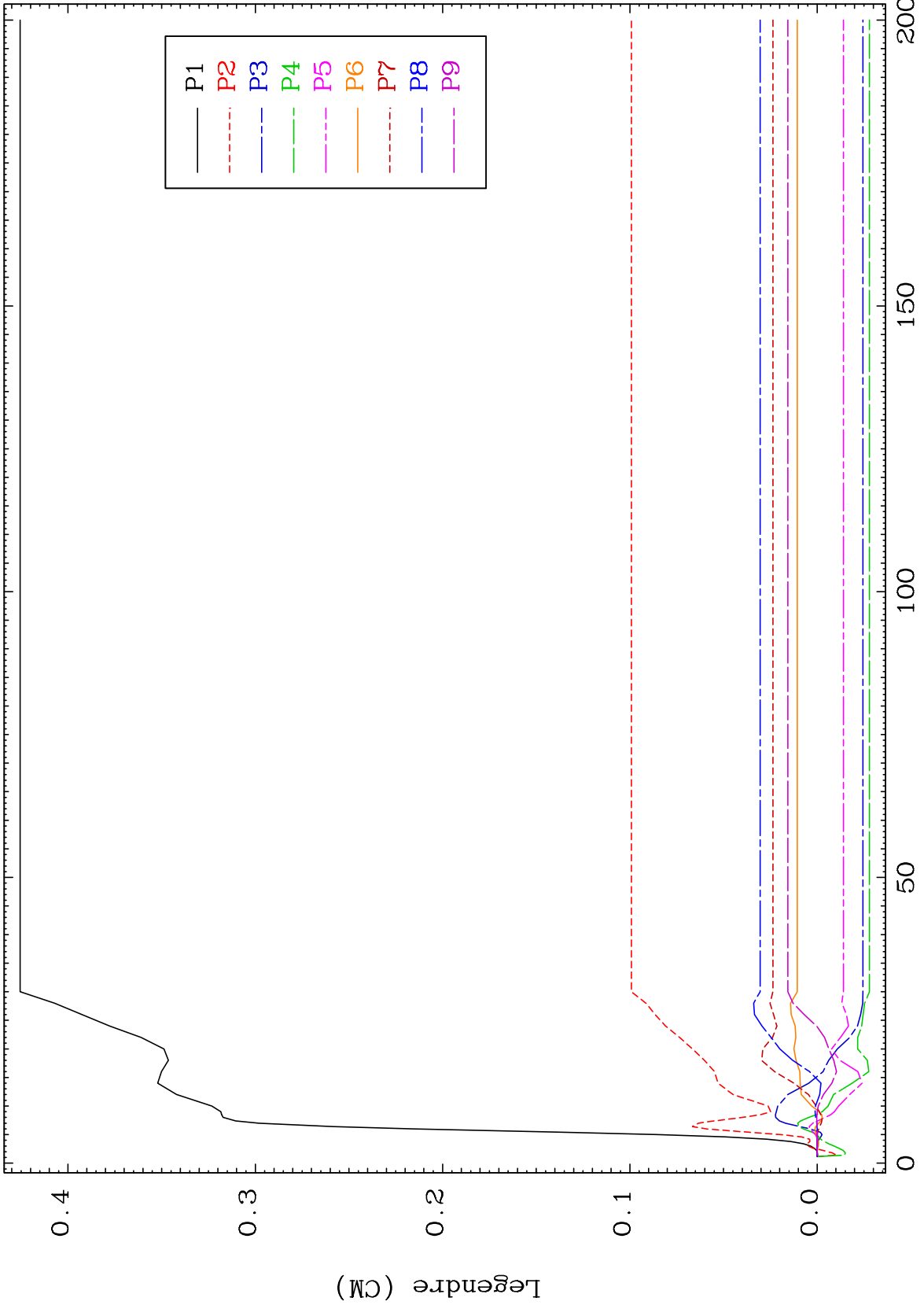


36 50 100 150 200 60-Nd-132

MAT 5995

MT= 56 (n,n') Level
Legendre Coefficients

60-Nd-132



37

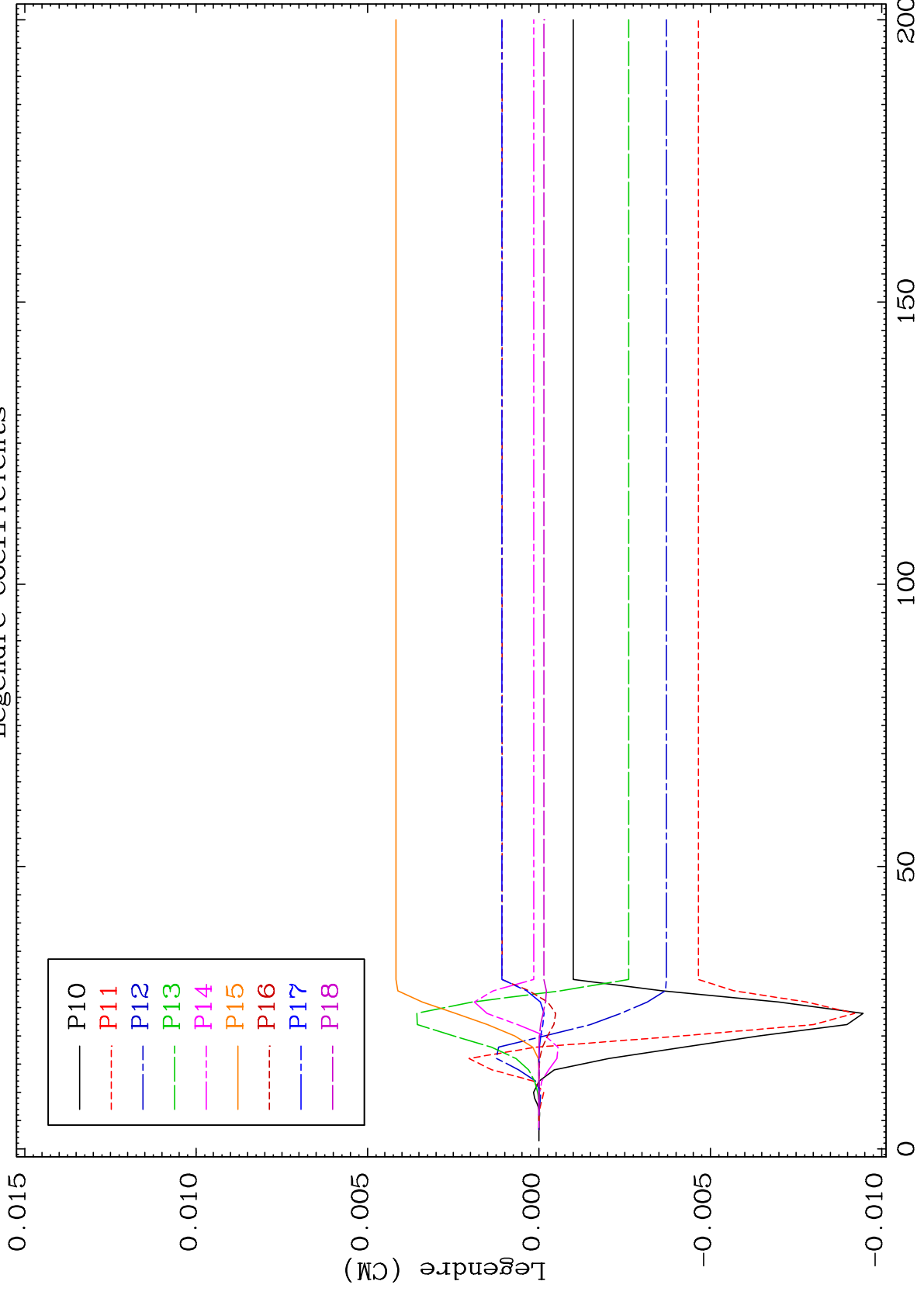
Incident Energy (MeV)

60-Nd-132

MAT 5995 MT= 56 (n,n') Level Legendre Coefficients

60-Nd-132

60-Nd-132

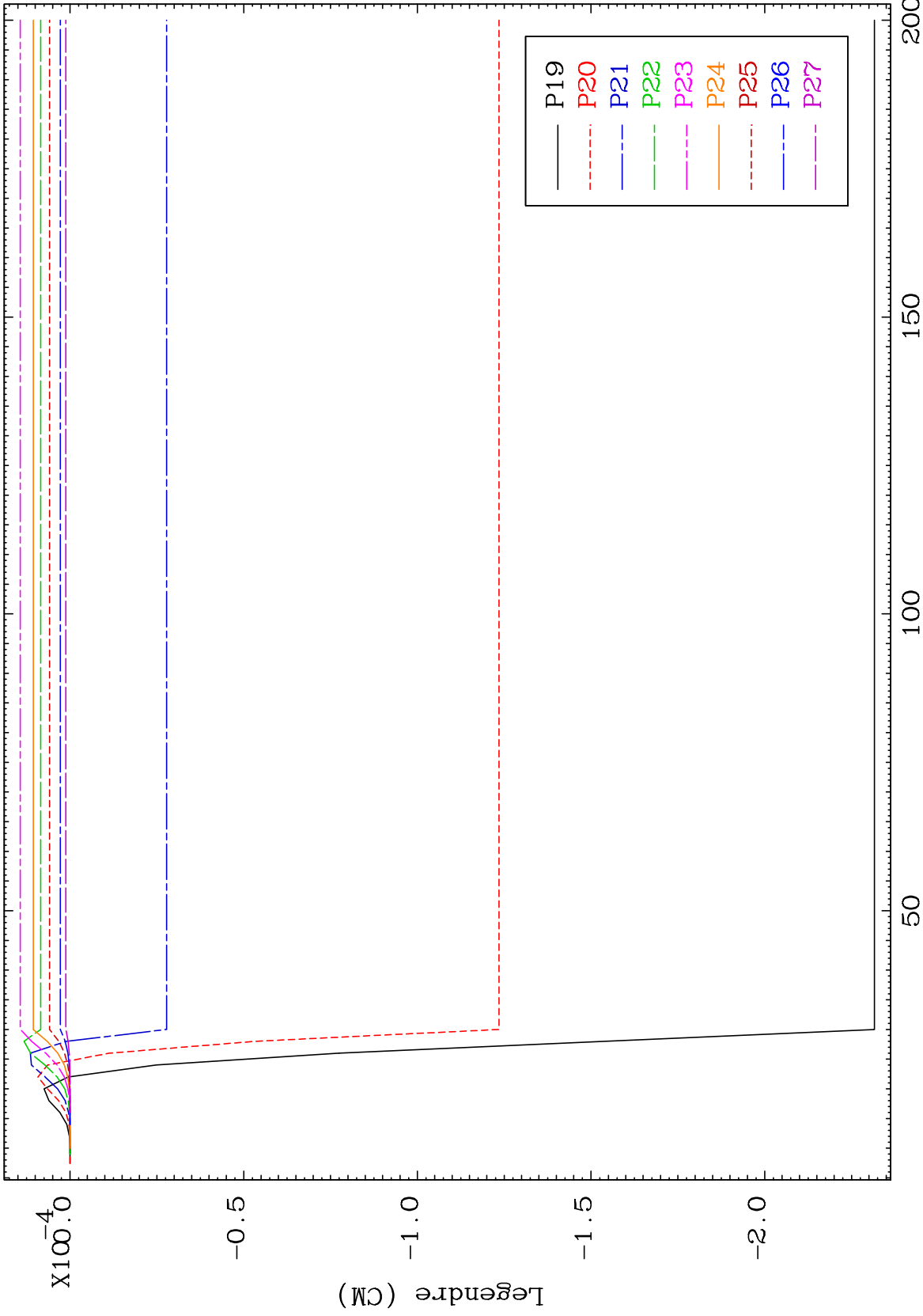


38

MAT 5995

MT= 56 (n,n') Level
Legendre Coefficients

60-Nd-132



60-Nd-132

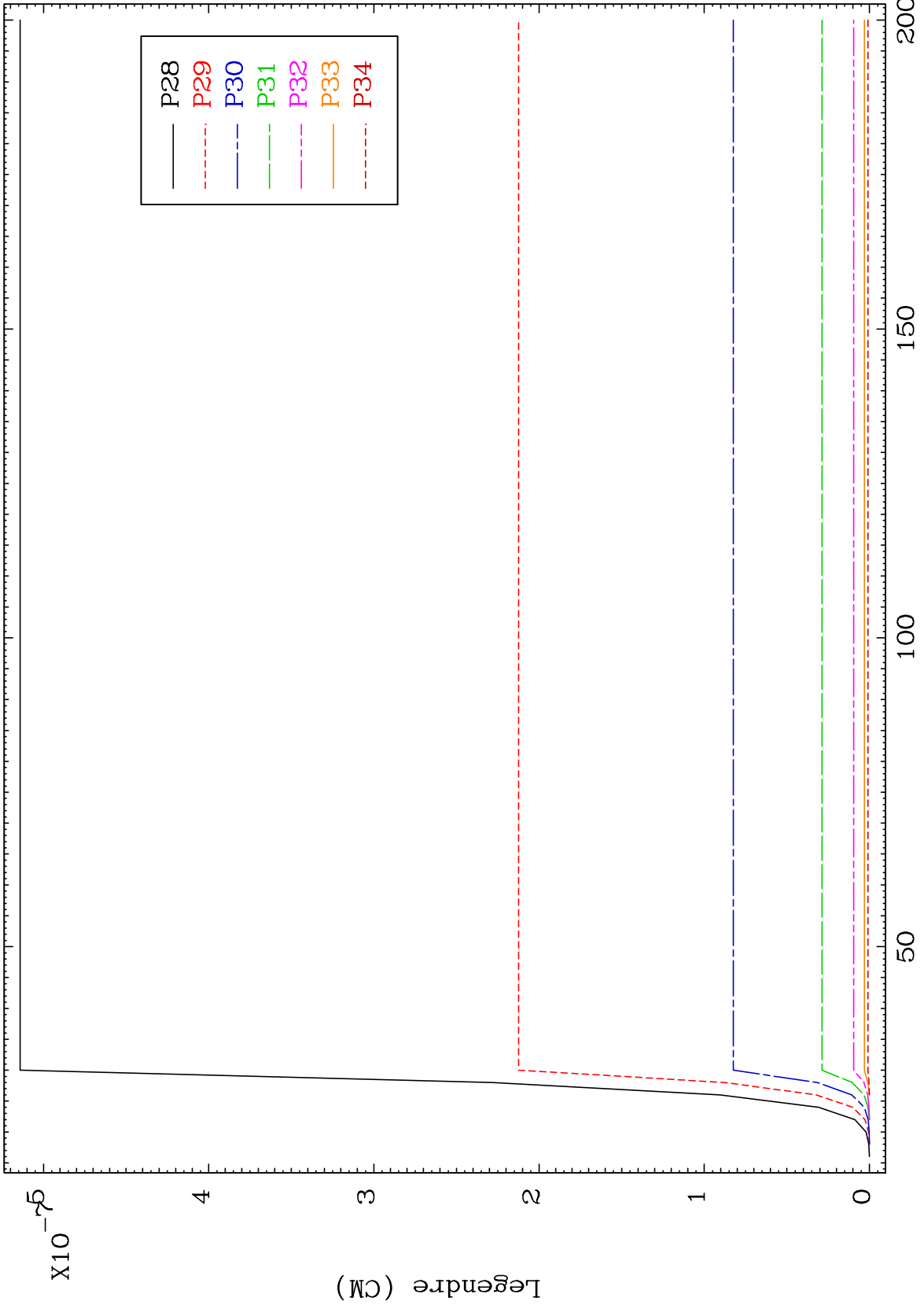
Incident Energy (MeV)

39

MAT 5995

MT= 56 (n,n') Level
Legendre Coefficients

60-Nd-132



40

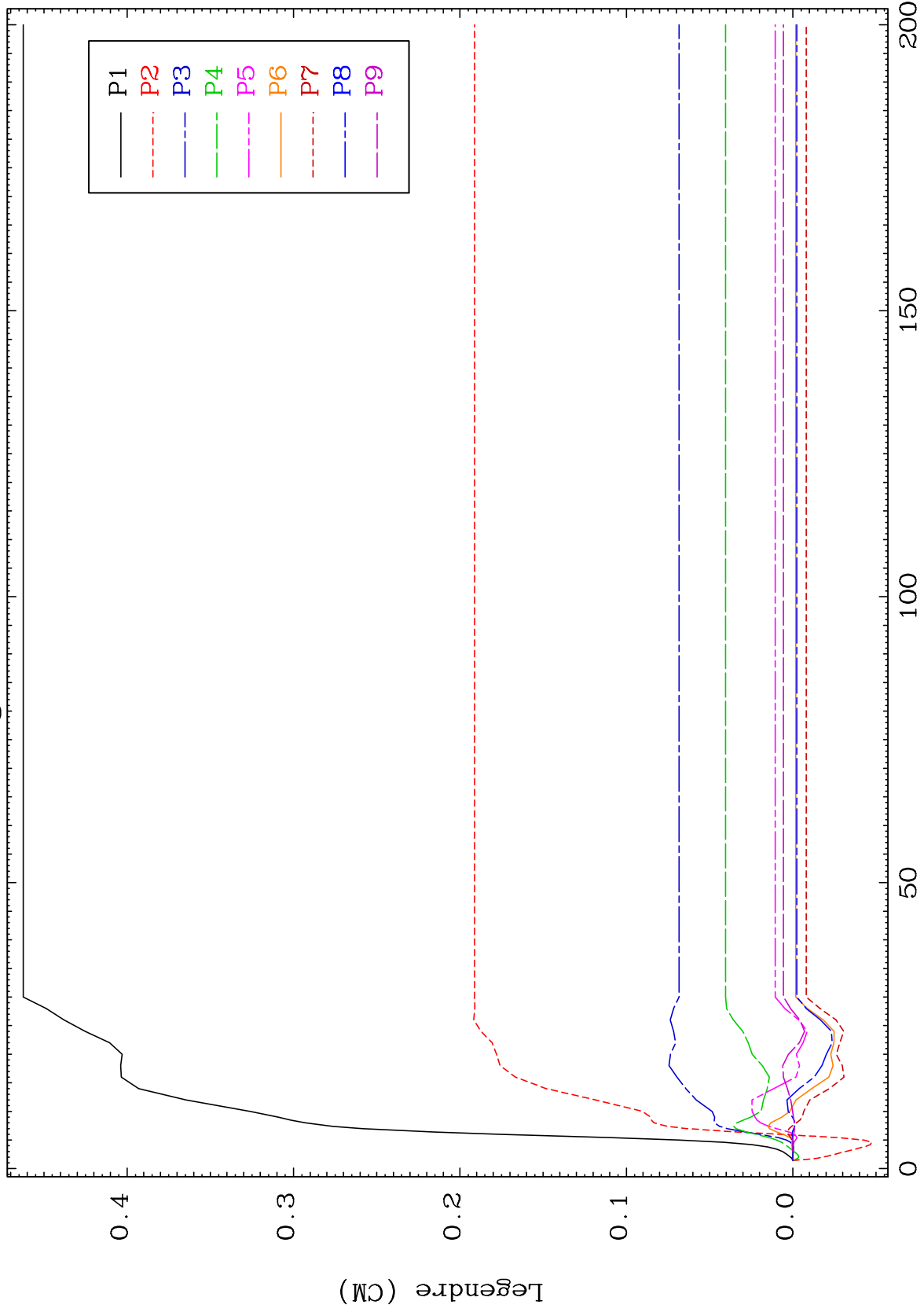
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 57 (n,n') Level
Legendre Coefficients

60-Nd-132



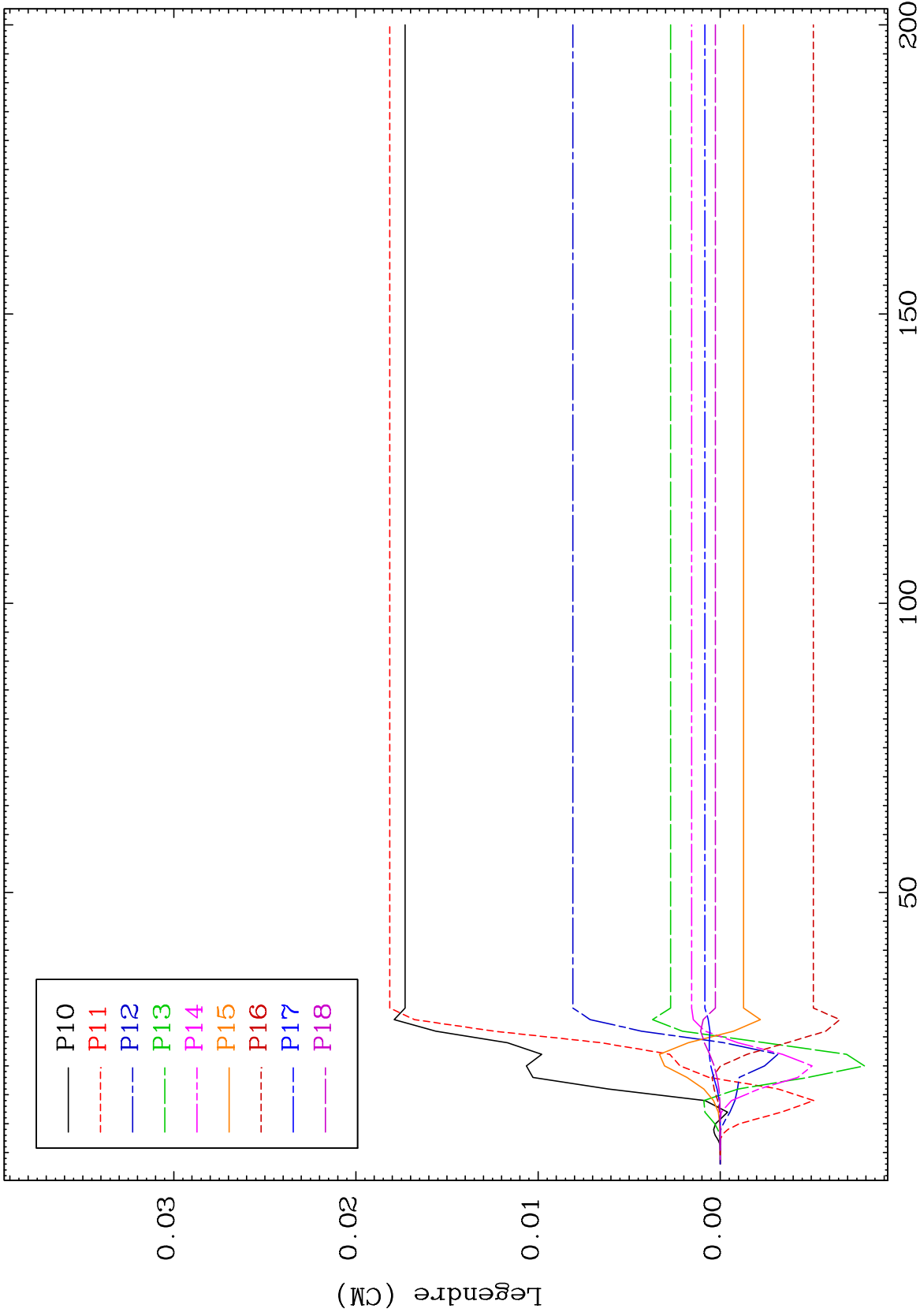
41

60-Nd-132

MAT 5995

MT= 57 (n,n') Level
Legendre Coefficients

60-Nd-132



42

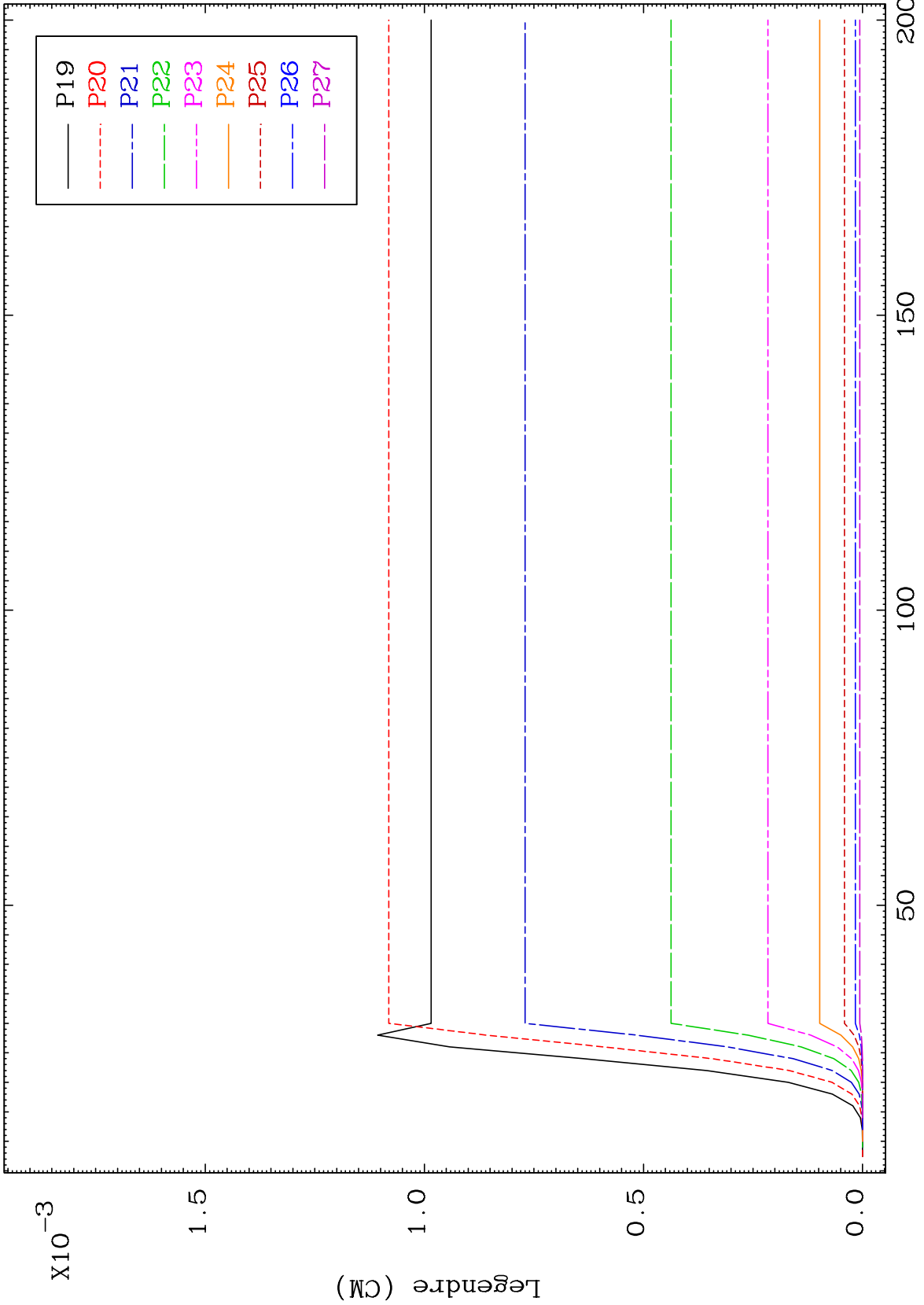
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 57 (n,n') Level
Legendre Coefficients

60-Nd-132



43

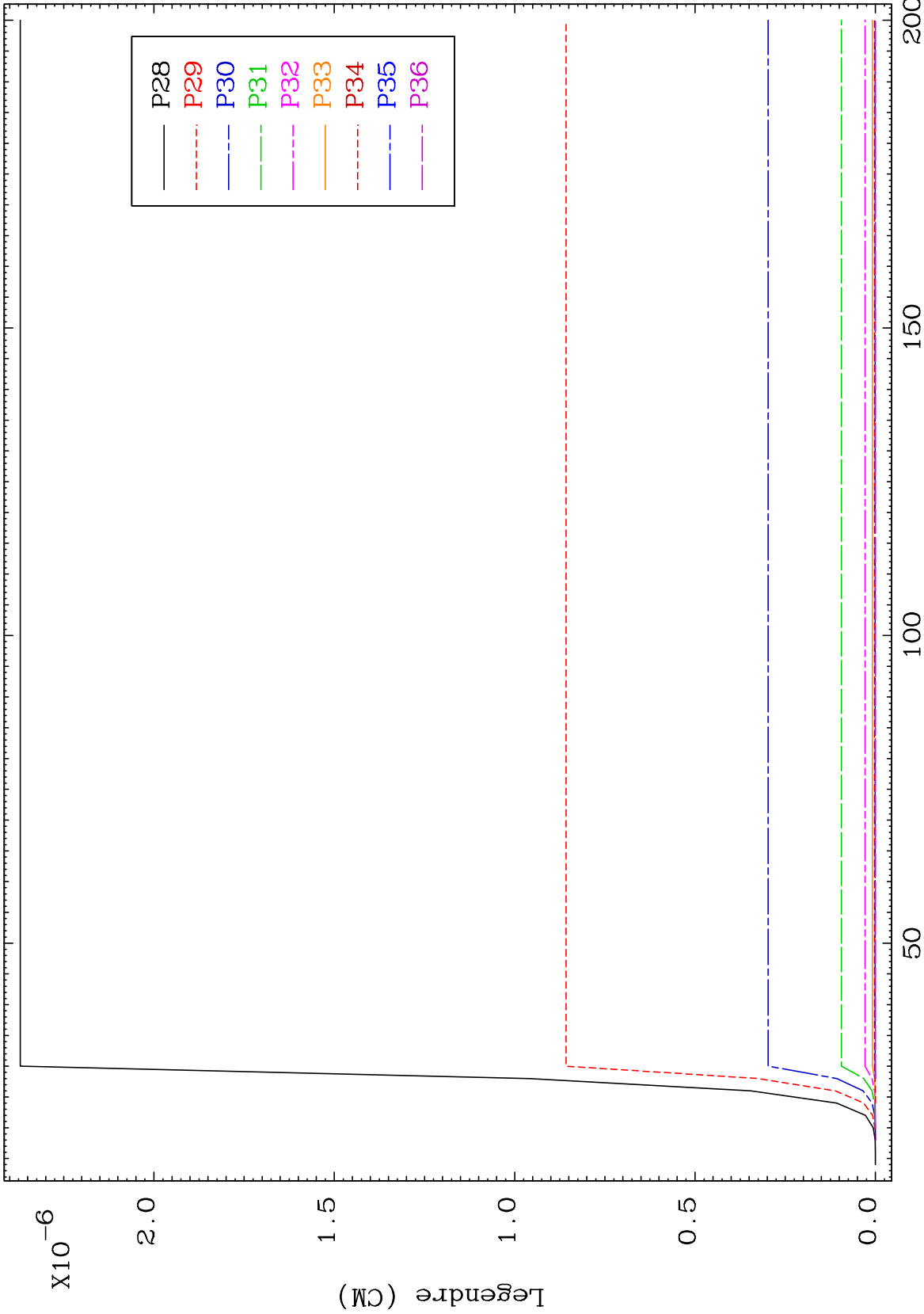
Incident Energy (MeV)

60-Nd-132

MAT 5995

MT= 57 (n,n') Level
Legendre Coefficients

60-Nd-132



44

Incident Energy (MeV)

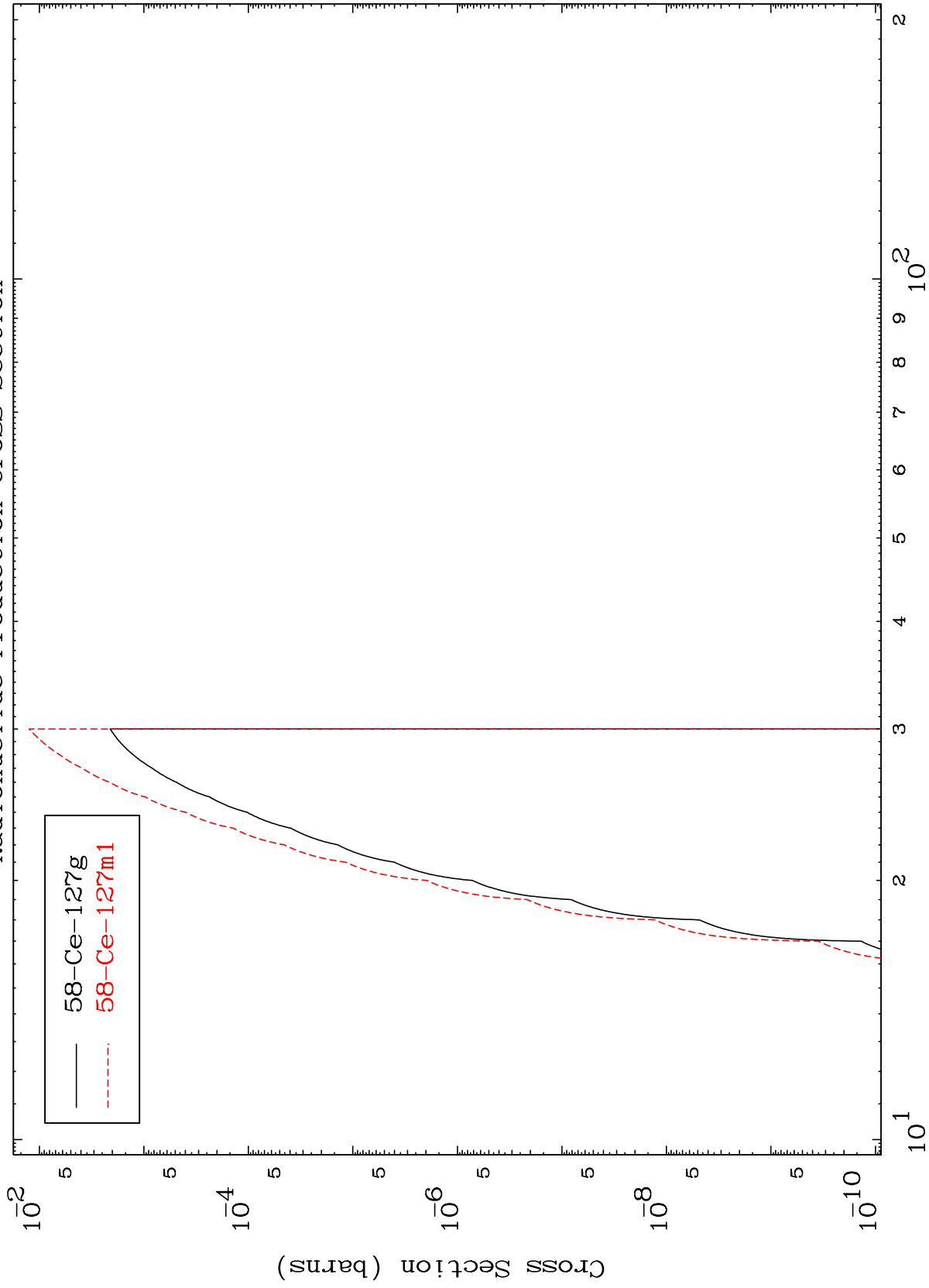
60-Nd-132

MAT 5995

(n,2n) α

60-Nd-132

Radionuclide Production Cross Section



58-Ce-127g
58-Ce-127m1

45

Incident Energy (MeV)

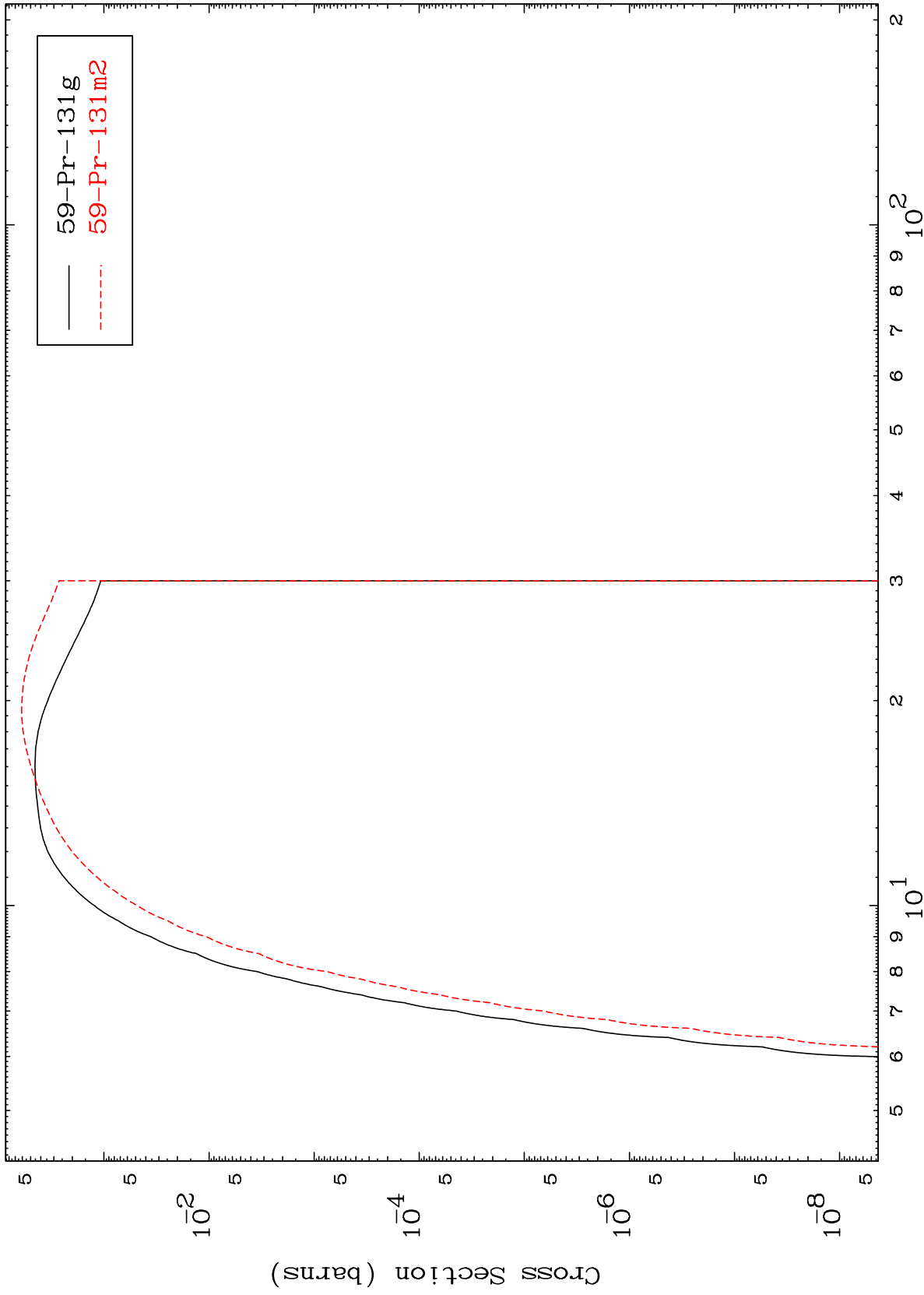
60-Nd-132

MAT 5995

(n,n') p

60-Nd-132

Radionuclide Production Cross Section



46

Incident Energy (MeV)

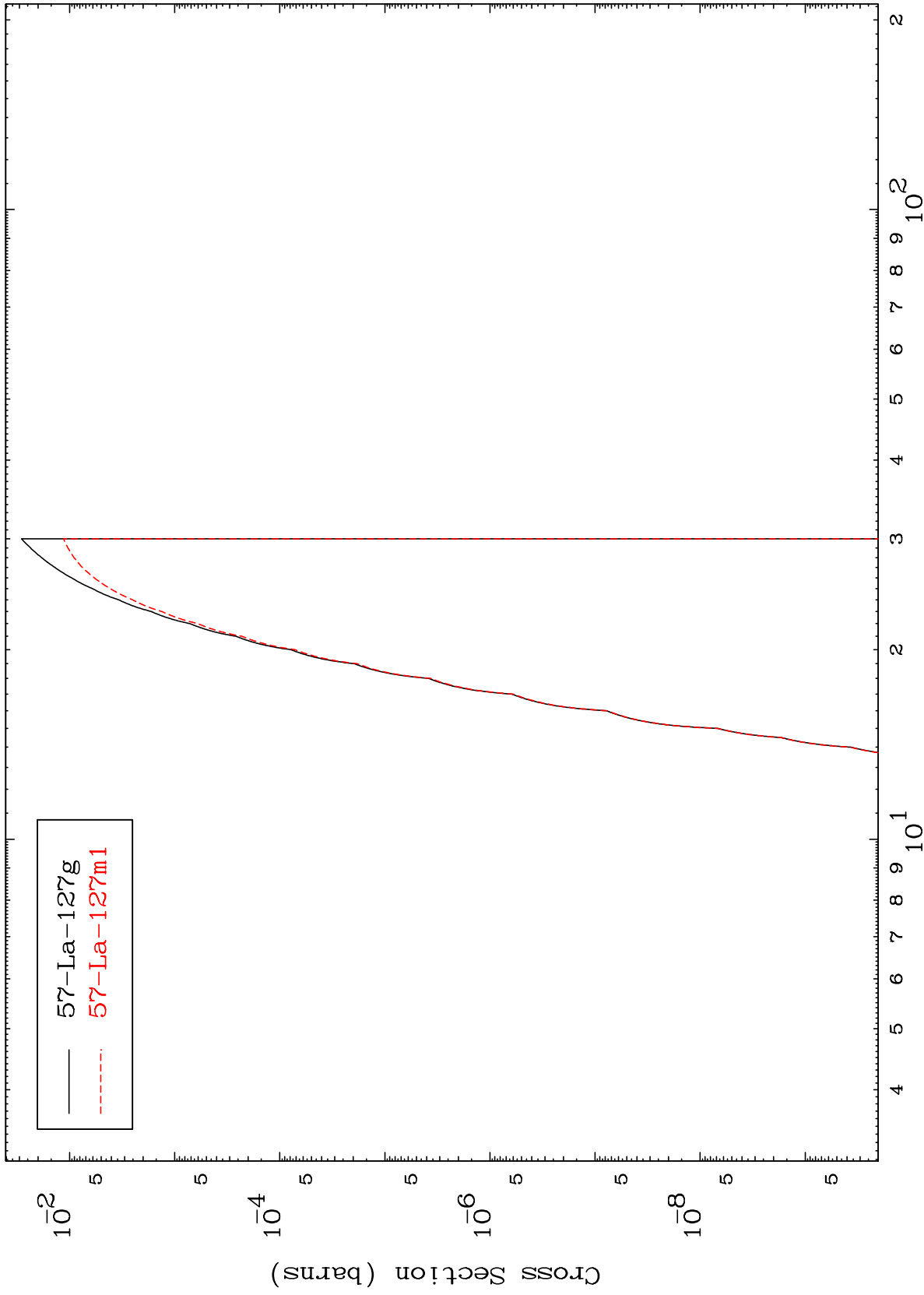
60-Nd-132

MAT 5995

(n,n') p α

60-Nd-132

Radionuclide Production Cross Section



47

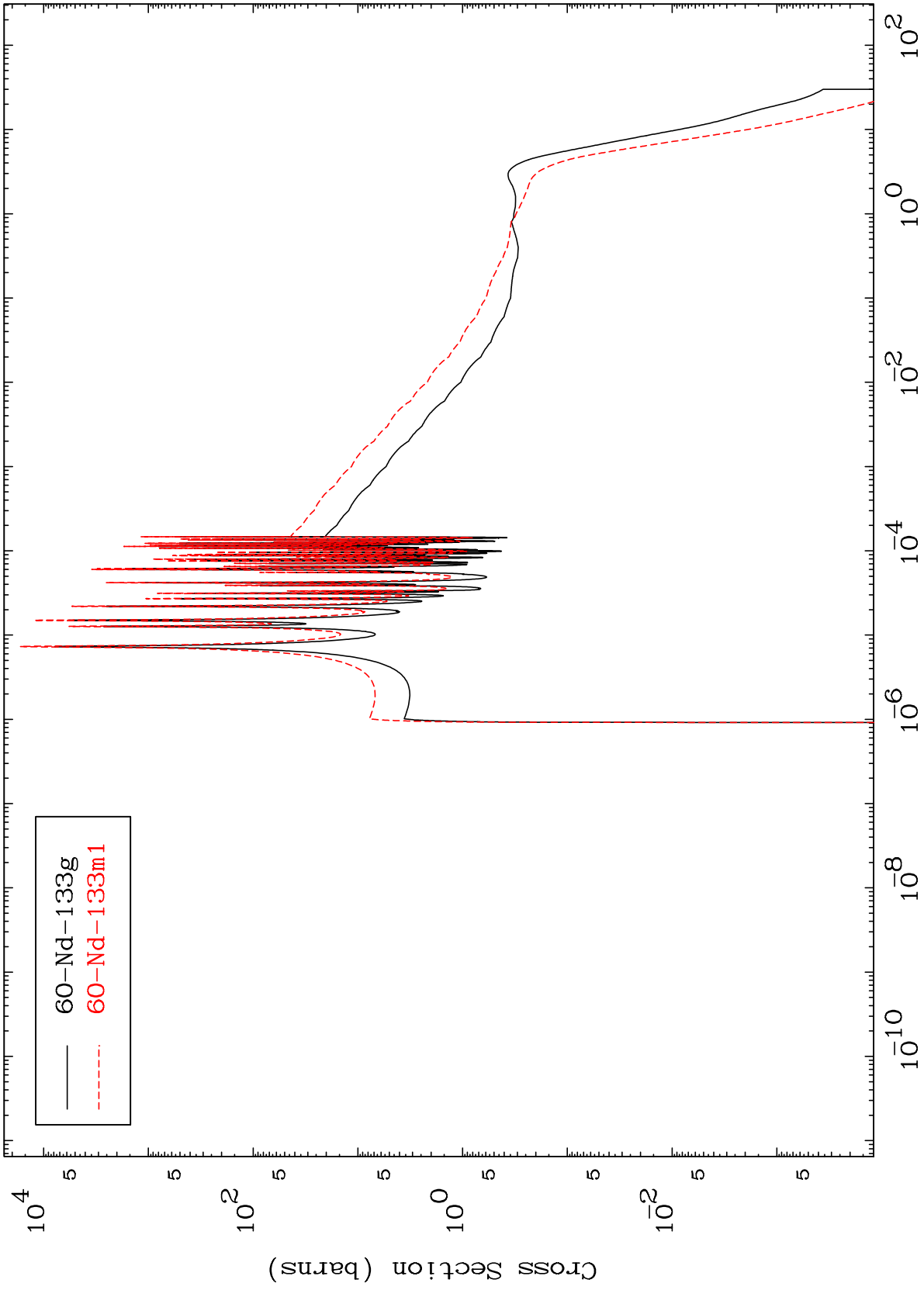
Incident Energy (MeV)

60-Nd-132

MAT 5995

60-Nd-132

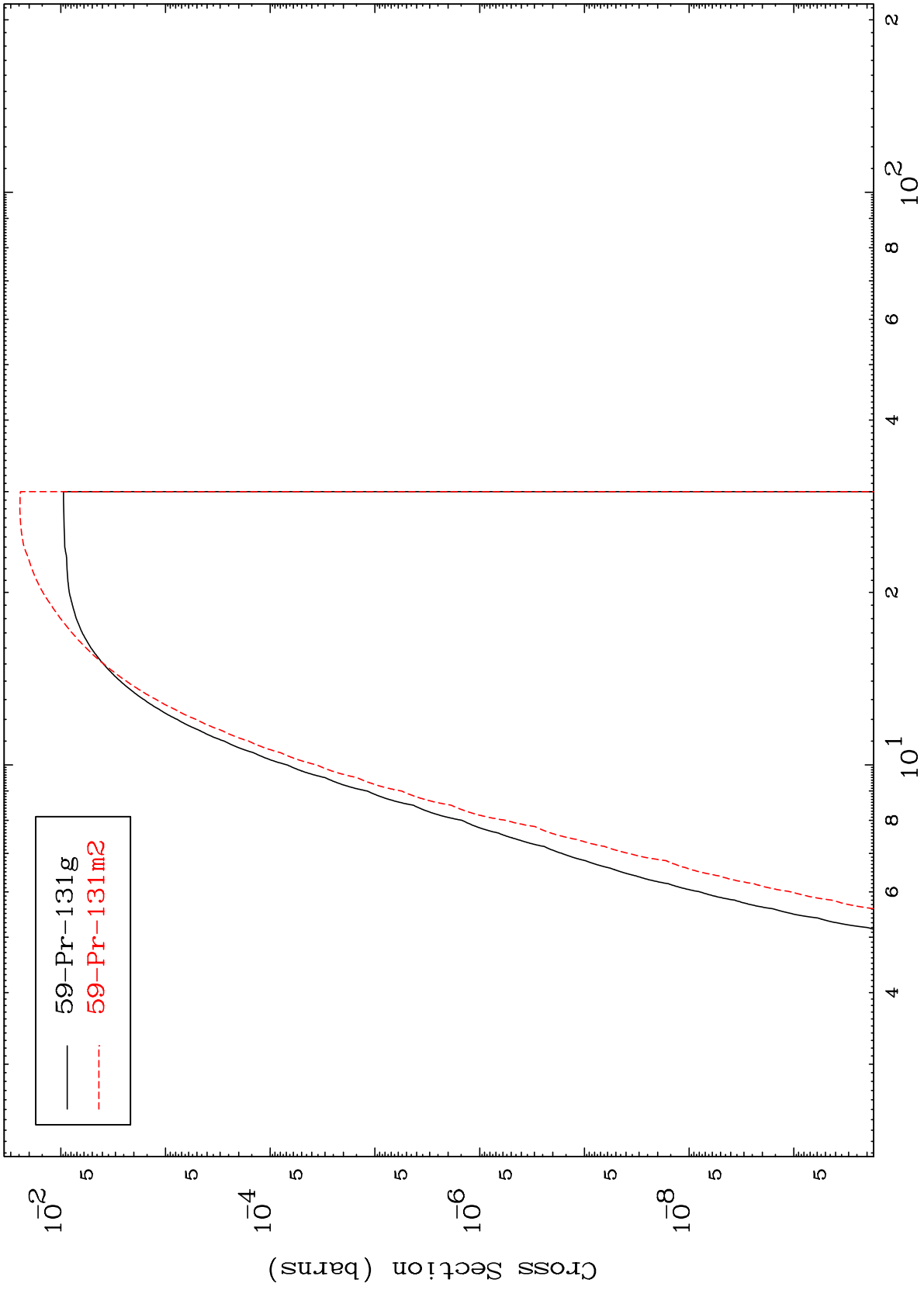
Radionuclide Production Cross Section
(n, γ)



MAT 5995

(n,d)
Radionuclide Production Cross Section

60-Nd-132



49

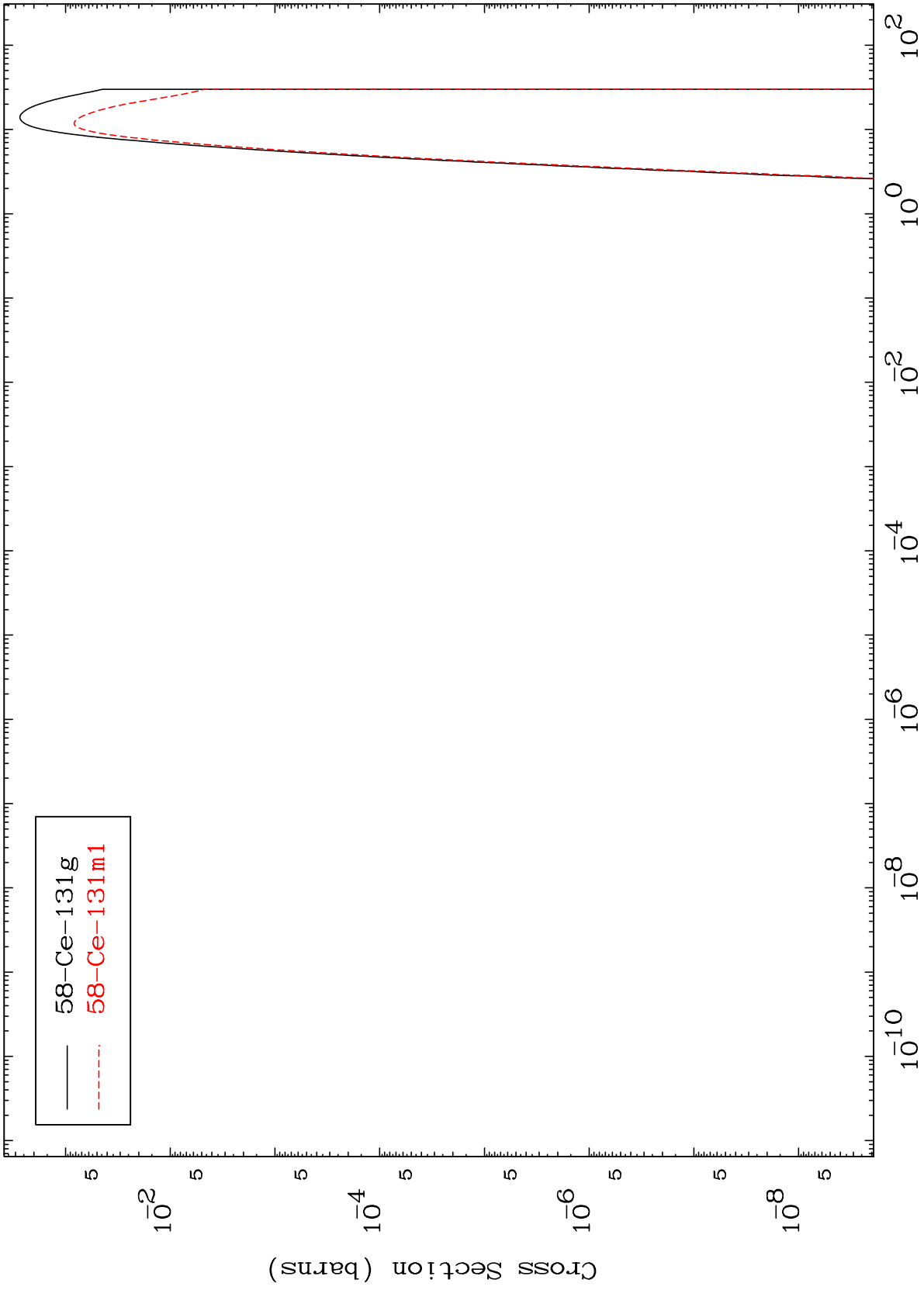
Incident Energy (MeV)

60-Nd-132

MAT 5995

(n,2p)
Radionuclide Production Cross Section

⁶⁰Nd-132



50

Incident Energy (MeV)

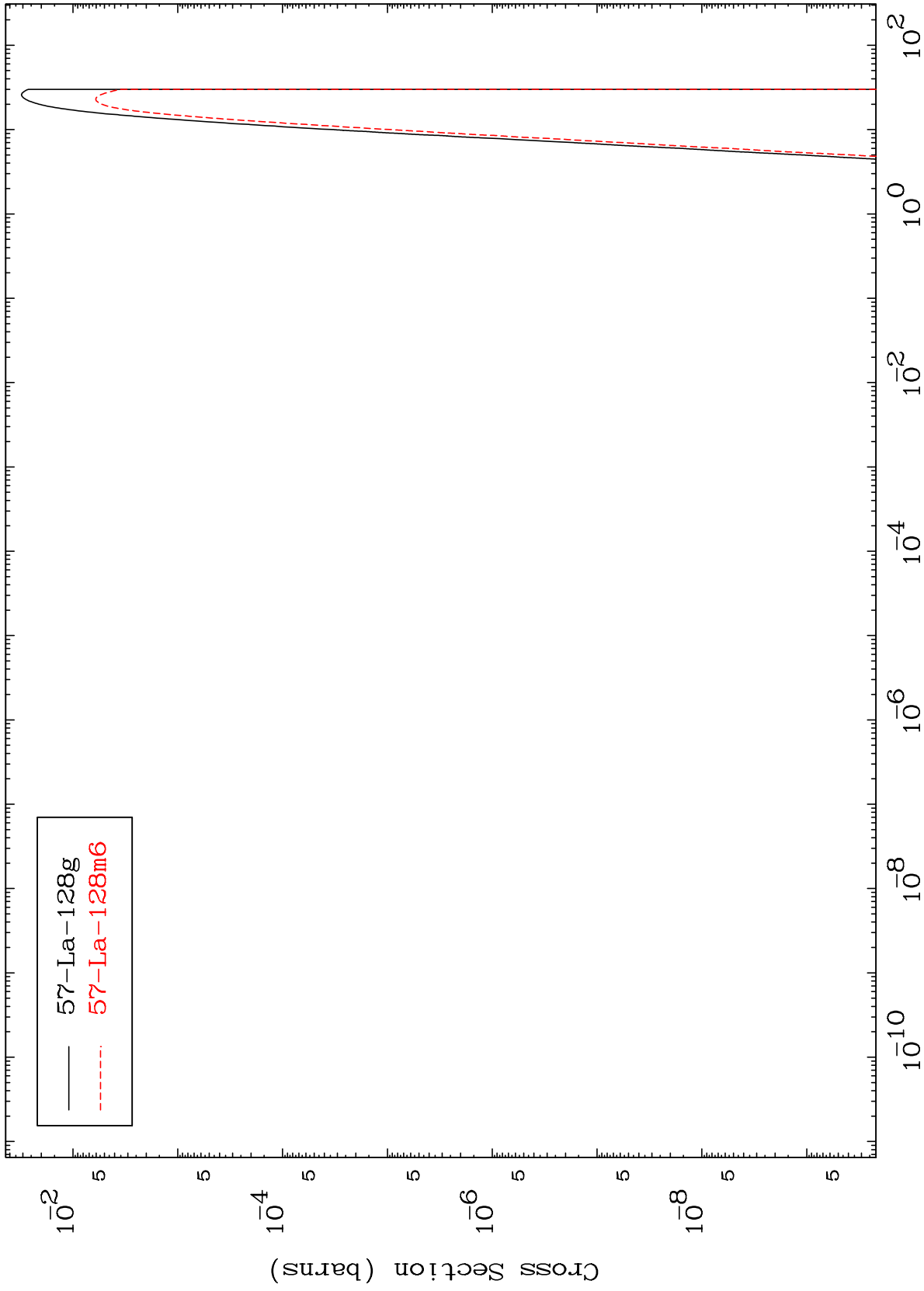
⁶⁰Nd-132

MAT 5995

(n,p) α

60-Nd-132

Radionuclide Production Cross Section

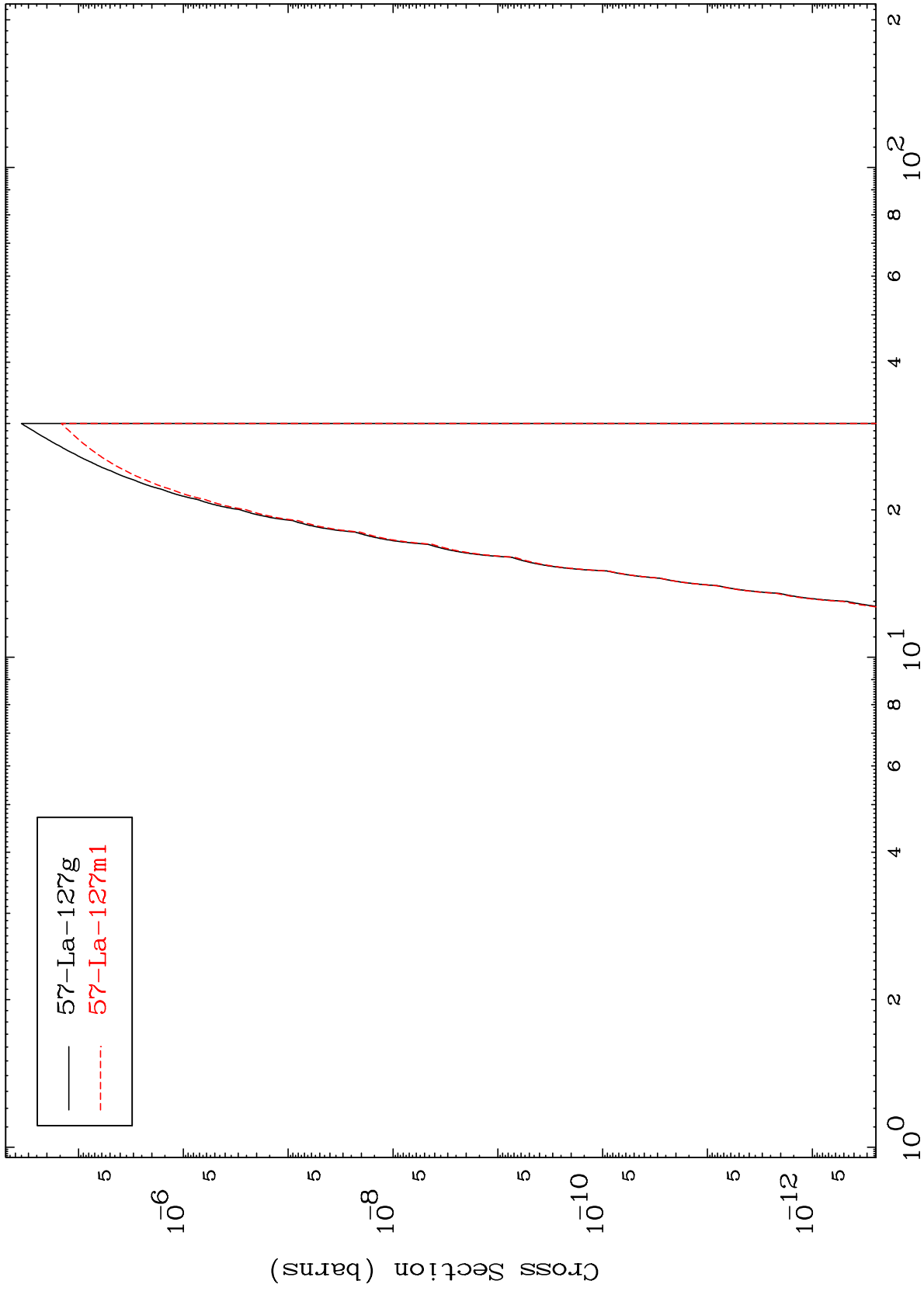


MAT 5995

(n,d) α

60-Nd-132

Radionuclide Production Cross Section



52

Incident Energy (MeV)

60-Nd-132