

Program EVALPLOT
(Version 2018-1)

by

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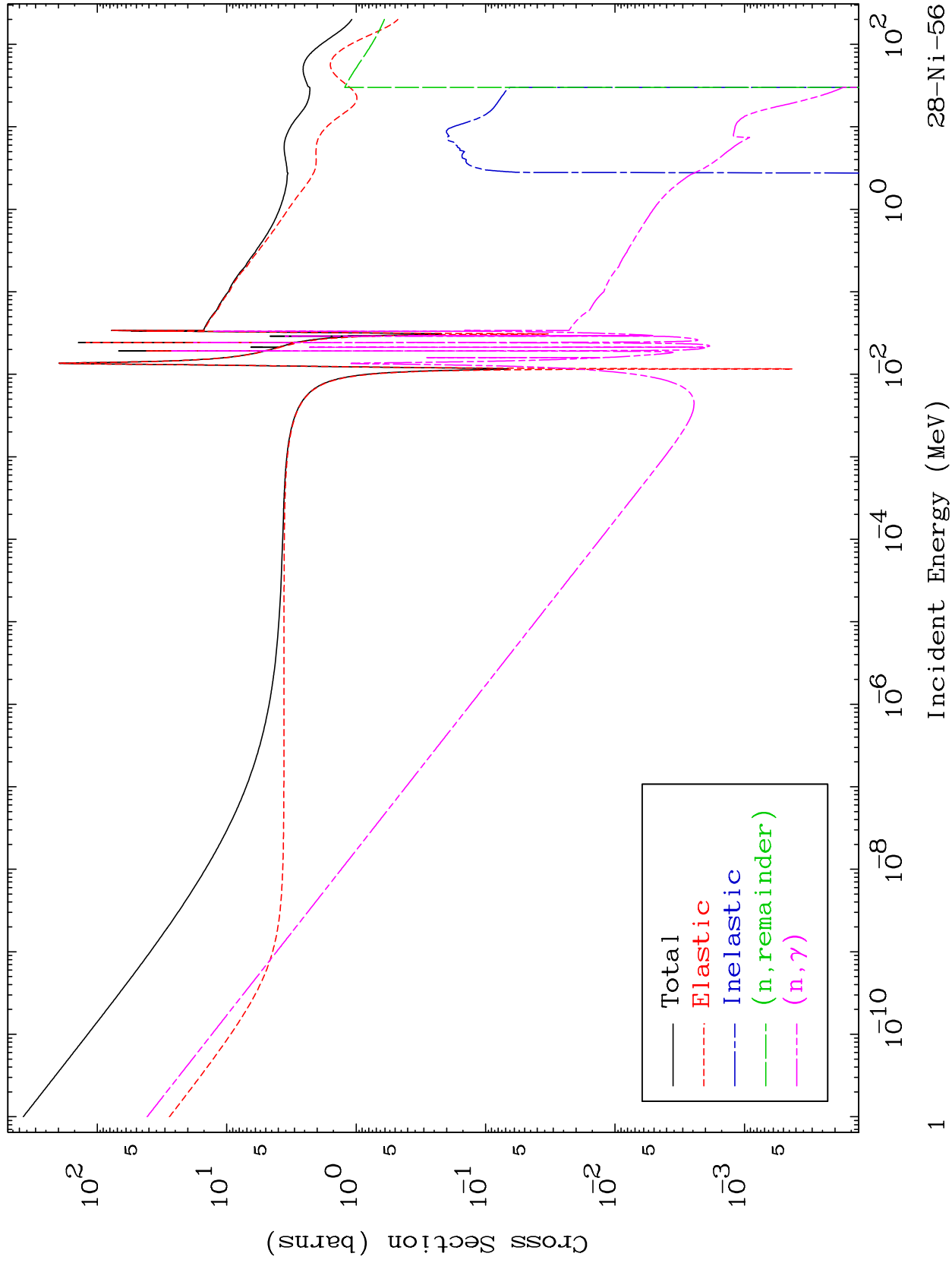
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2819

Major
293 Kelvin Cross Sections

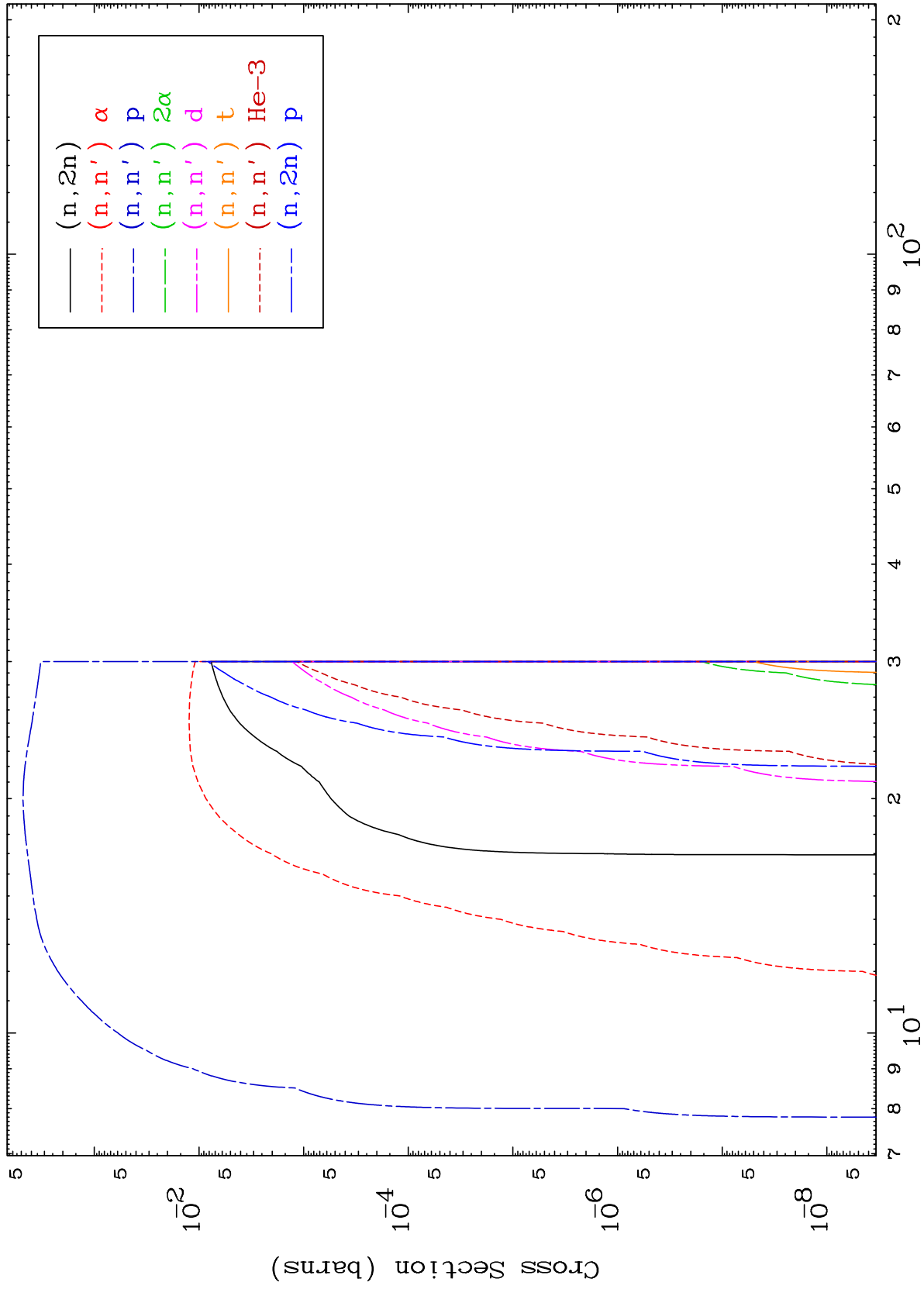
28-Ni-56



MAT 2819

Neutron Production
293 Kelvin Cross Sections

28-Ni-56



2

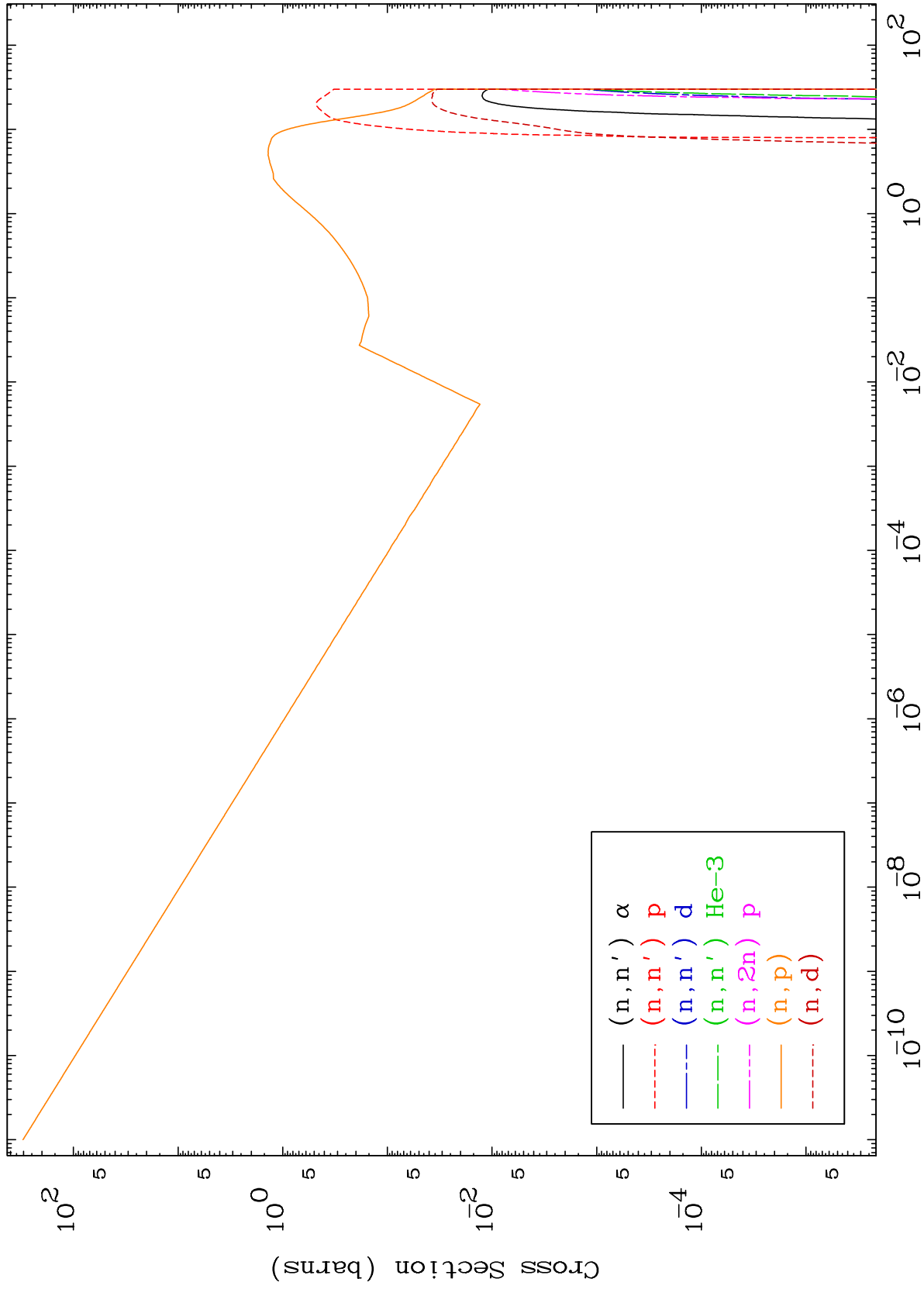
Incident Energy (MeV)

28-Ni-56

MAT 2819

Charged Particle
293 Kelvin Cross Sections

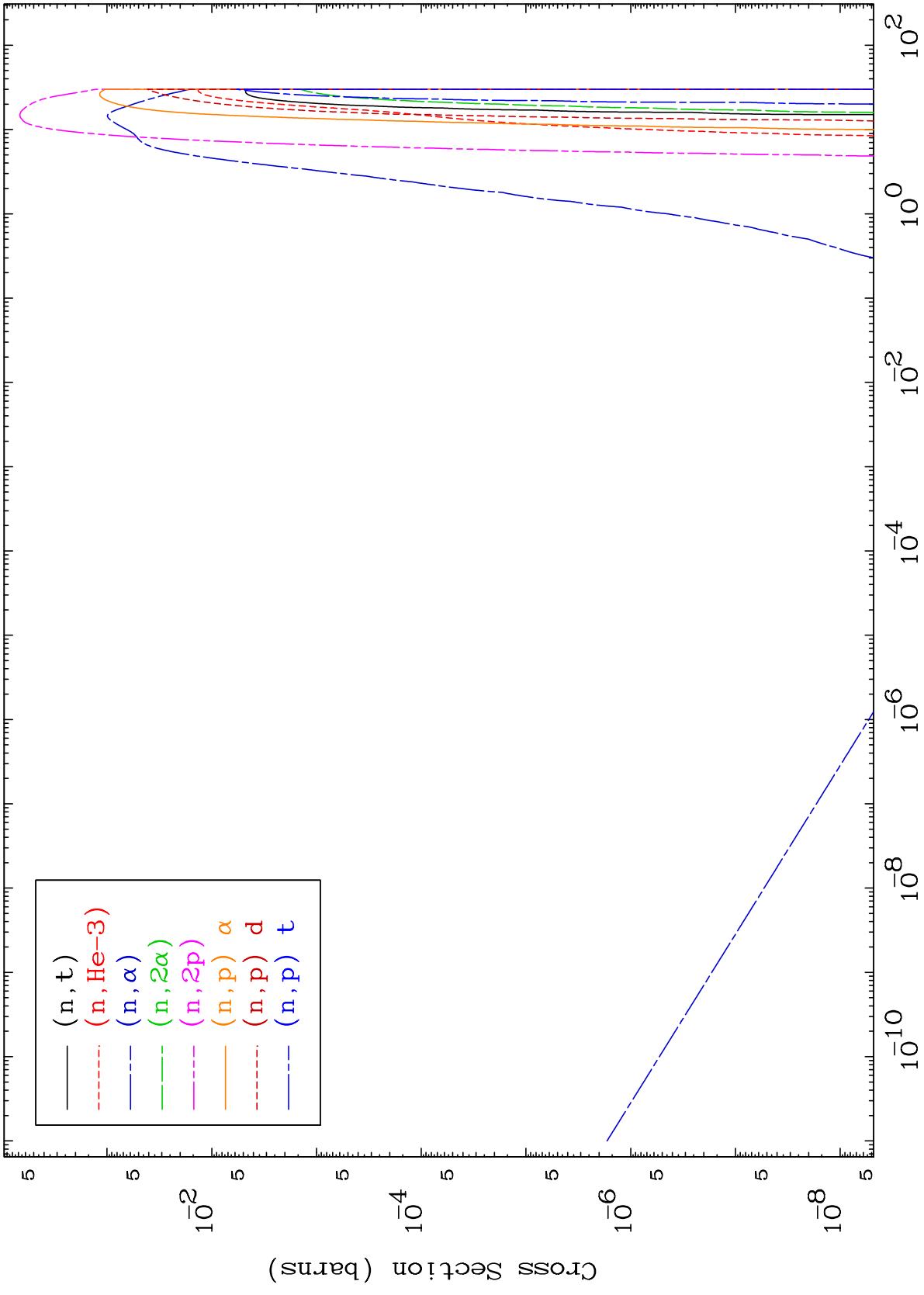
28-Ni-56



MAT 2819

Charged Particle
293 Kelvin Cross Sections

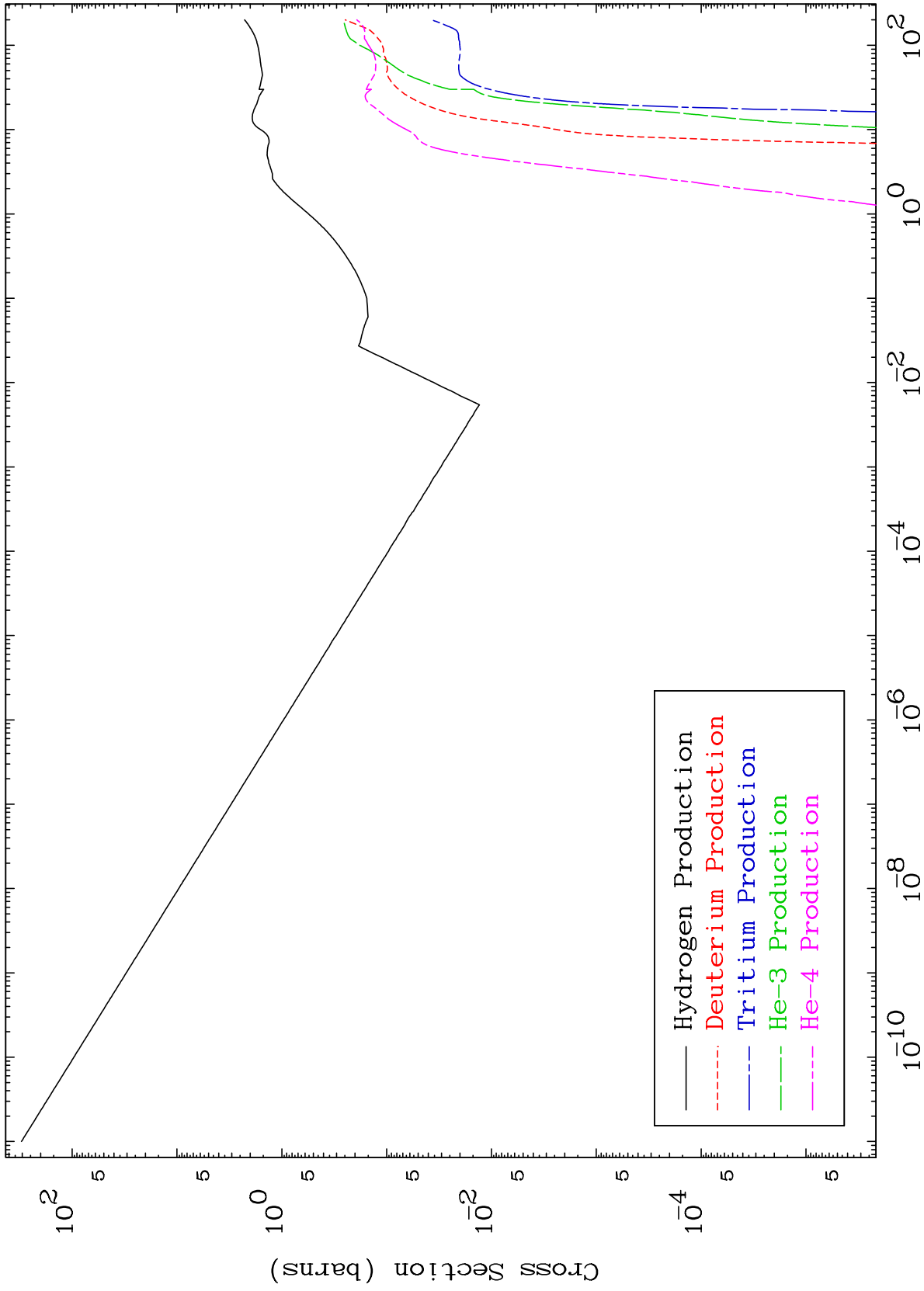
28-Ni-56



MAT 2819

Particle Production
293 Kelvin Cross Sections

28-Ni-56



5

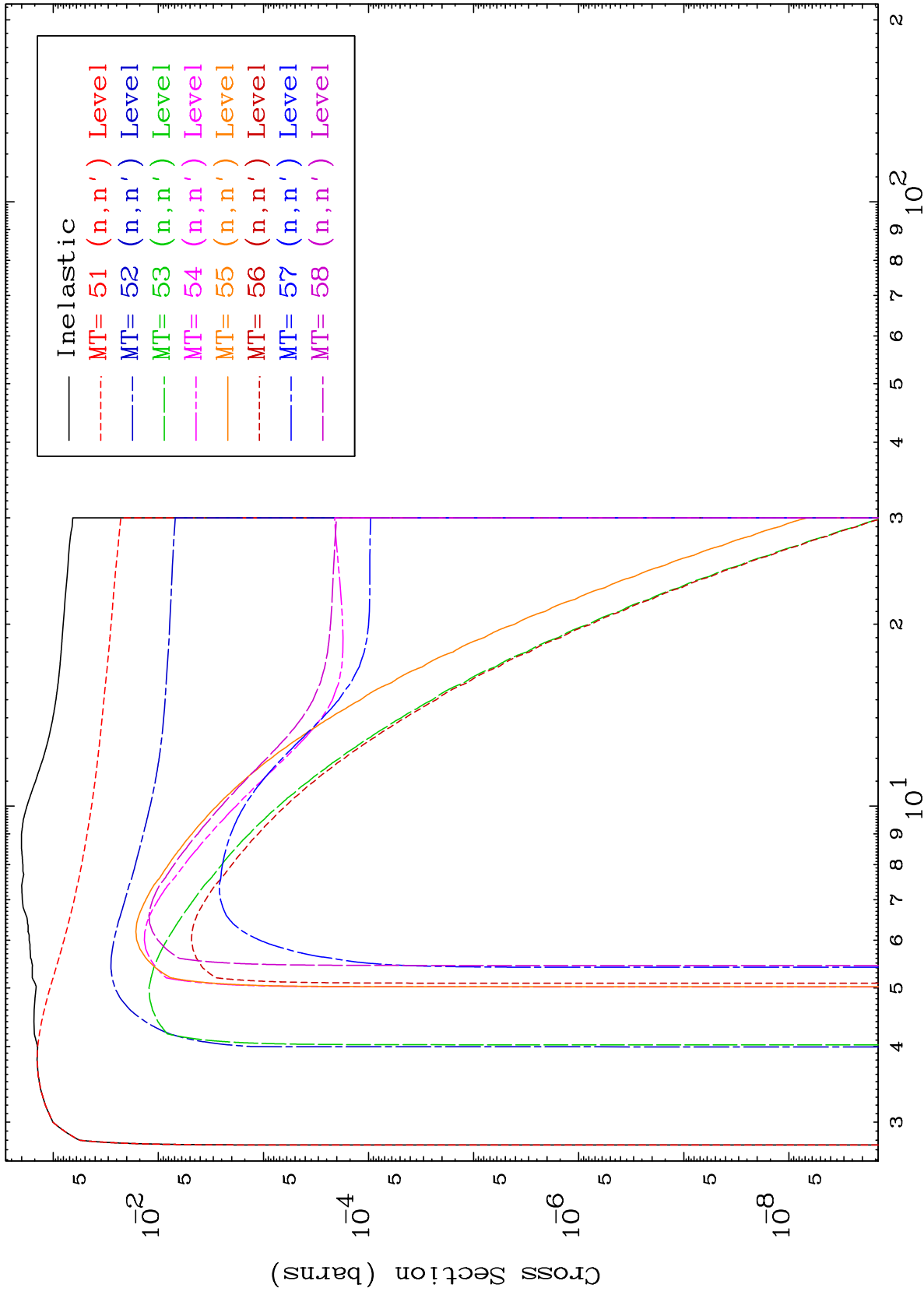
Incident Energy (MeV)

28-Ni-56

MAT 2819

(n,n') Level
293 Kelvin Cross Sections

28-Ni-56



6

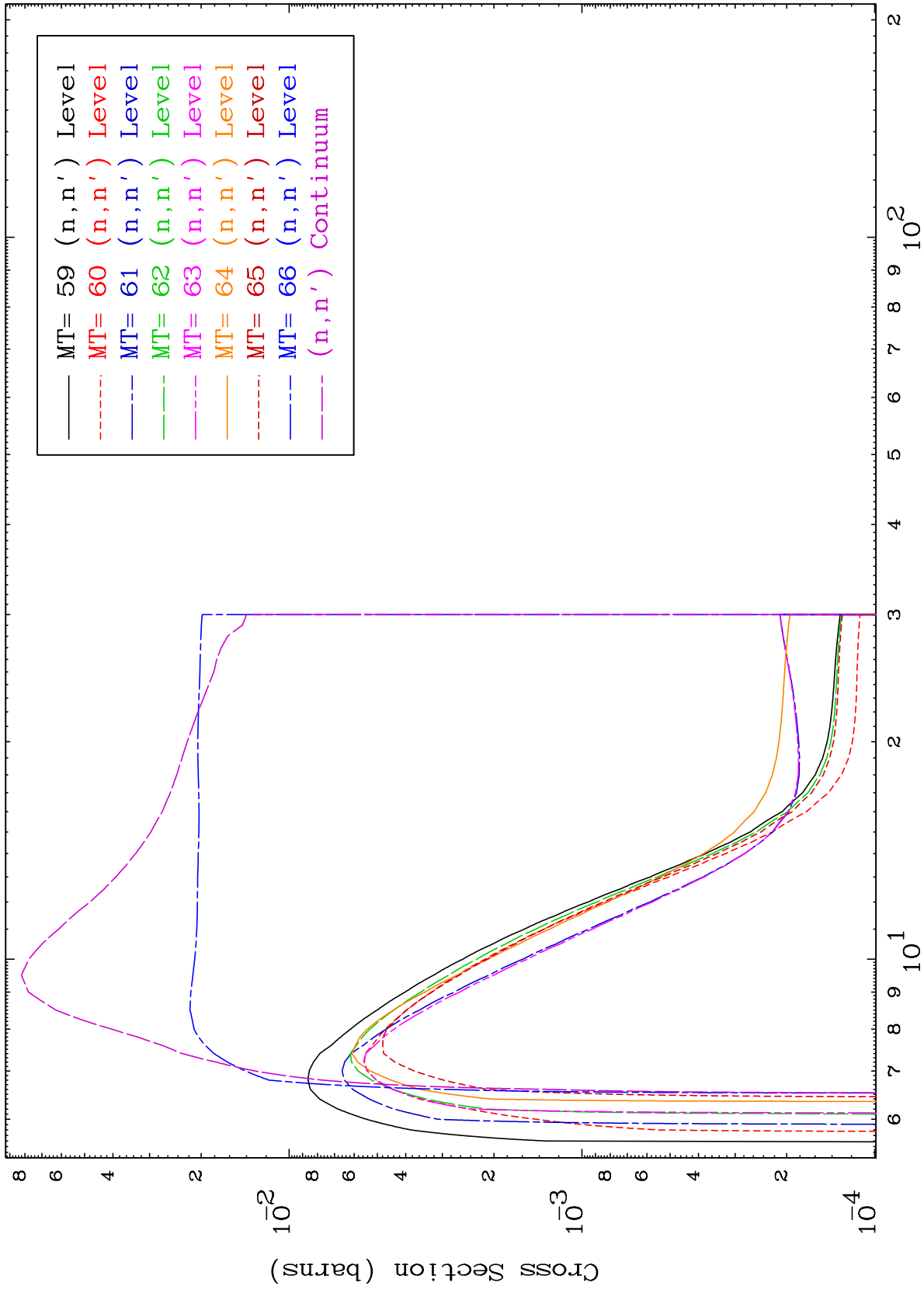
Incident Energy (MeV)

28-Ni-56

MAT 2819

(n,n') Level
293 Kelvin Cross Sections

28-Ni-56



7

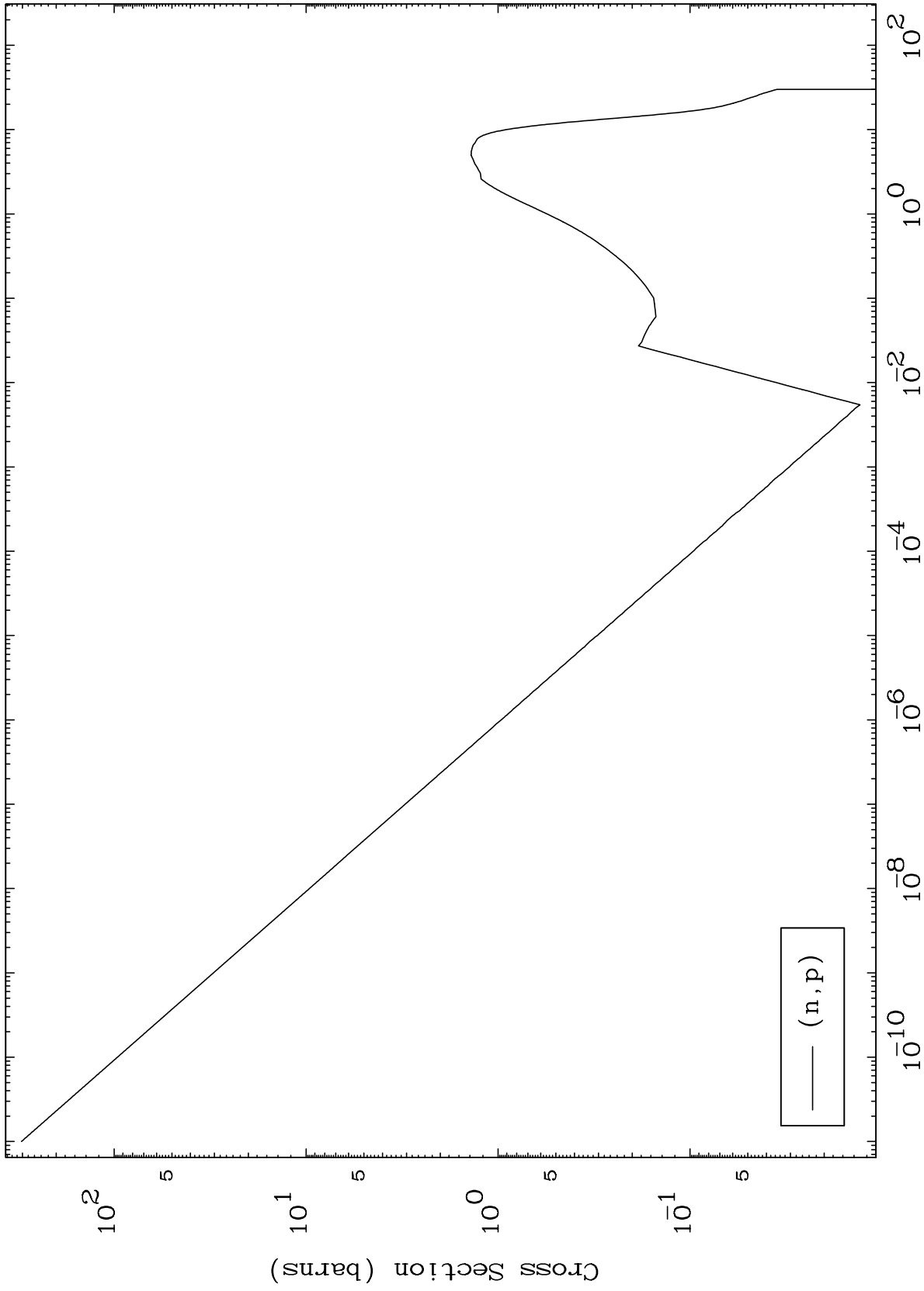
Incident Energy (MeV)

28-Ni-56

MAT 2819

(n,p) Levels
293 Kelvin Cross Sections

28-Ni-56



8

Incident Energy (MeV)

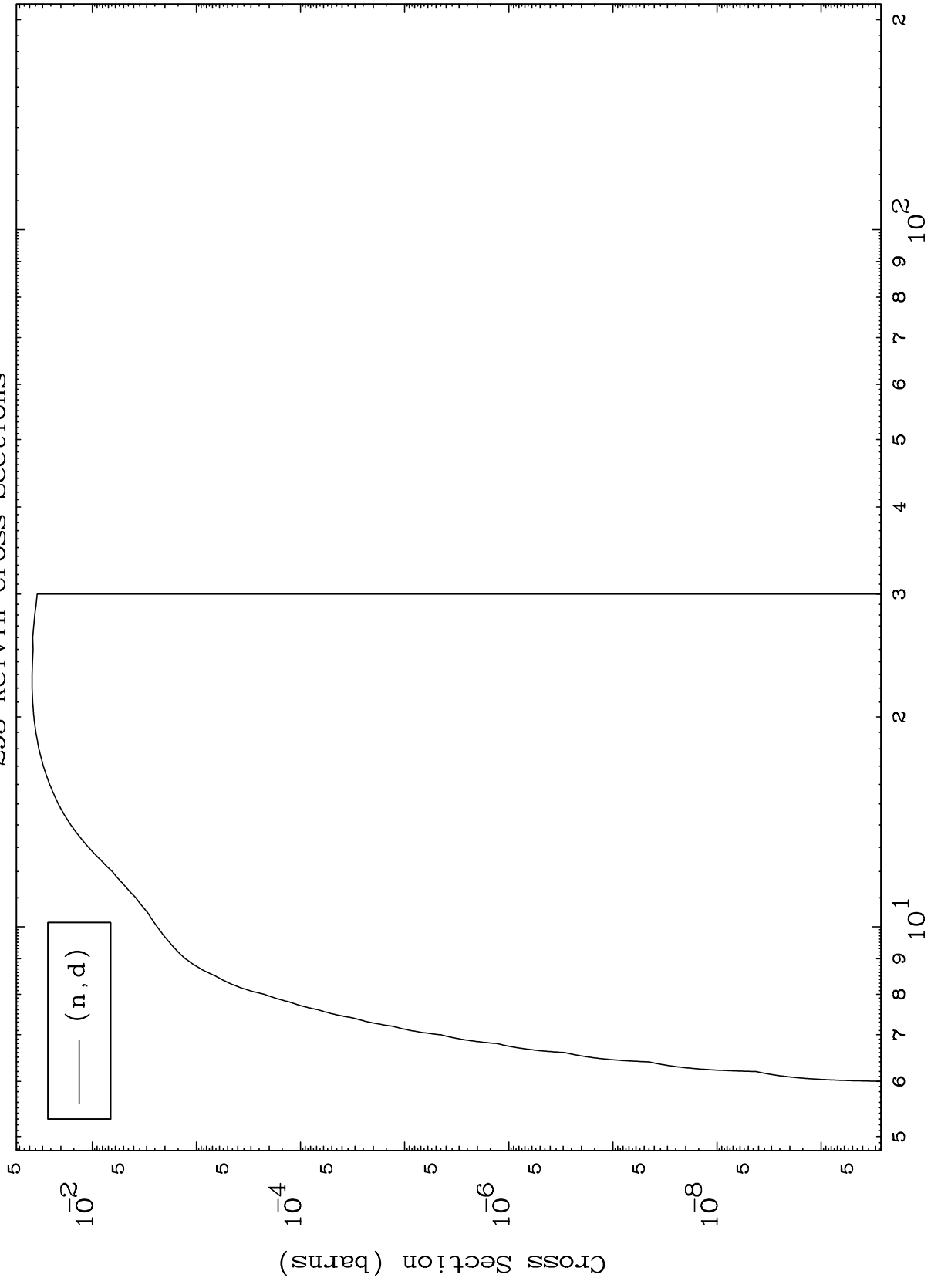
28-Ni-56

— (n, p)

MAT 2819

(n,d) Levels
293 Kelvin Cross Sections

28-Ni-56



9

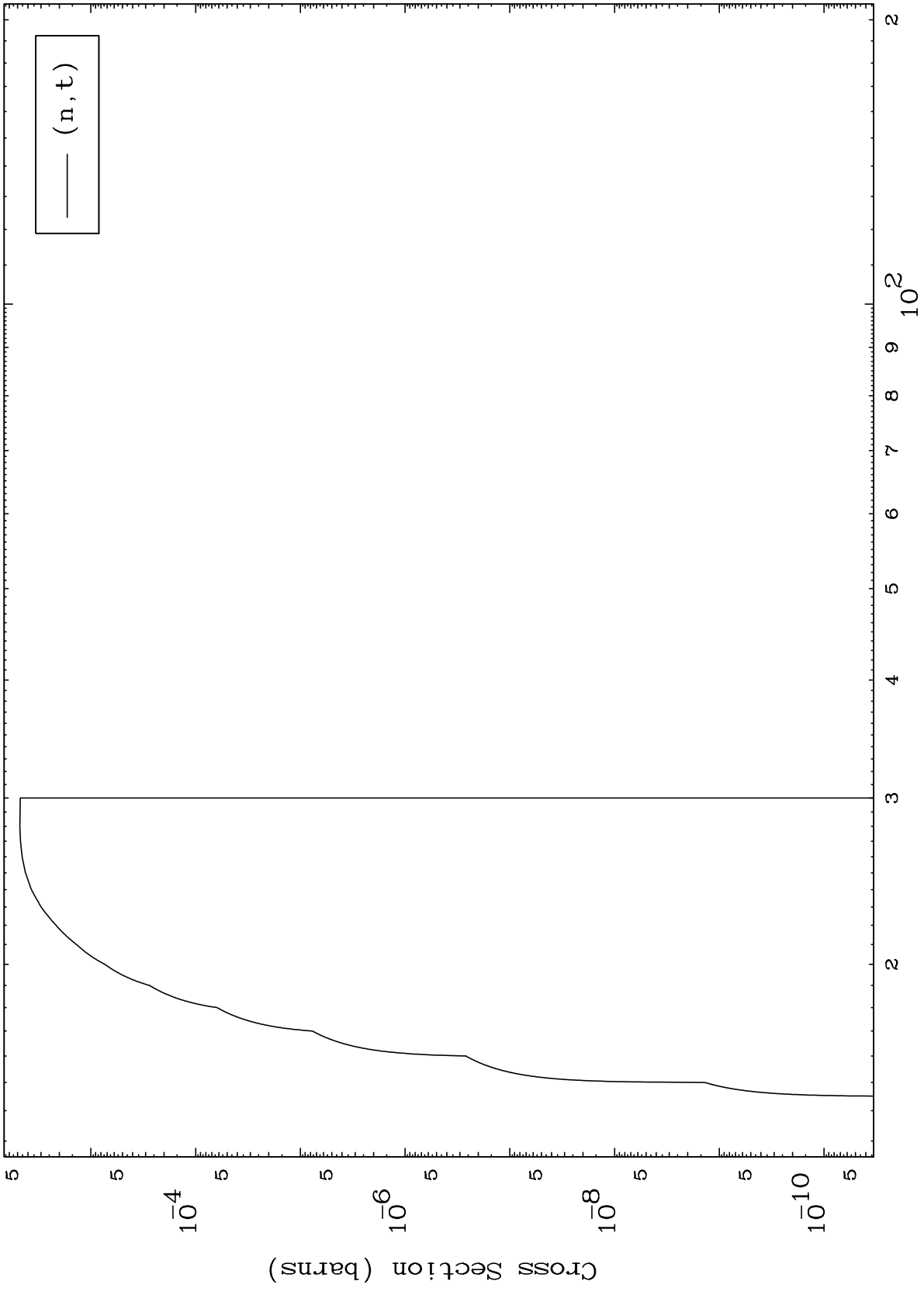
Incident Energy (MeV)

28-Ni-56

MAT 2819

(n,t) Levels
293 Kelvin Cross Sections

28-Ni-56

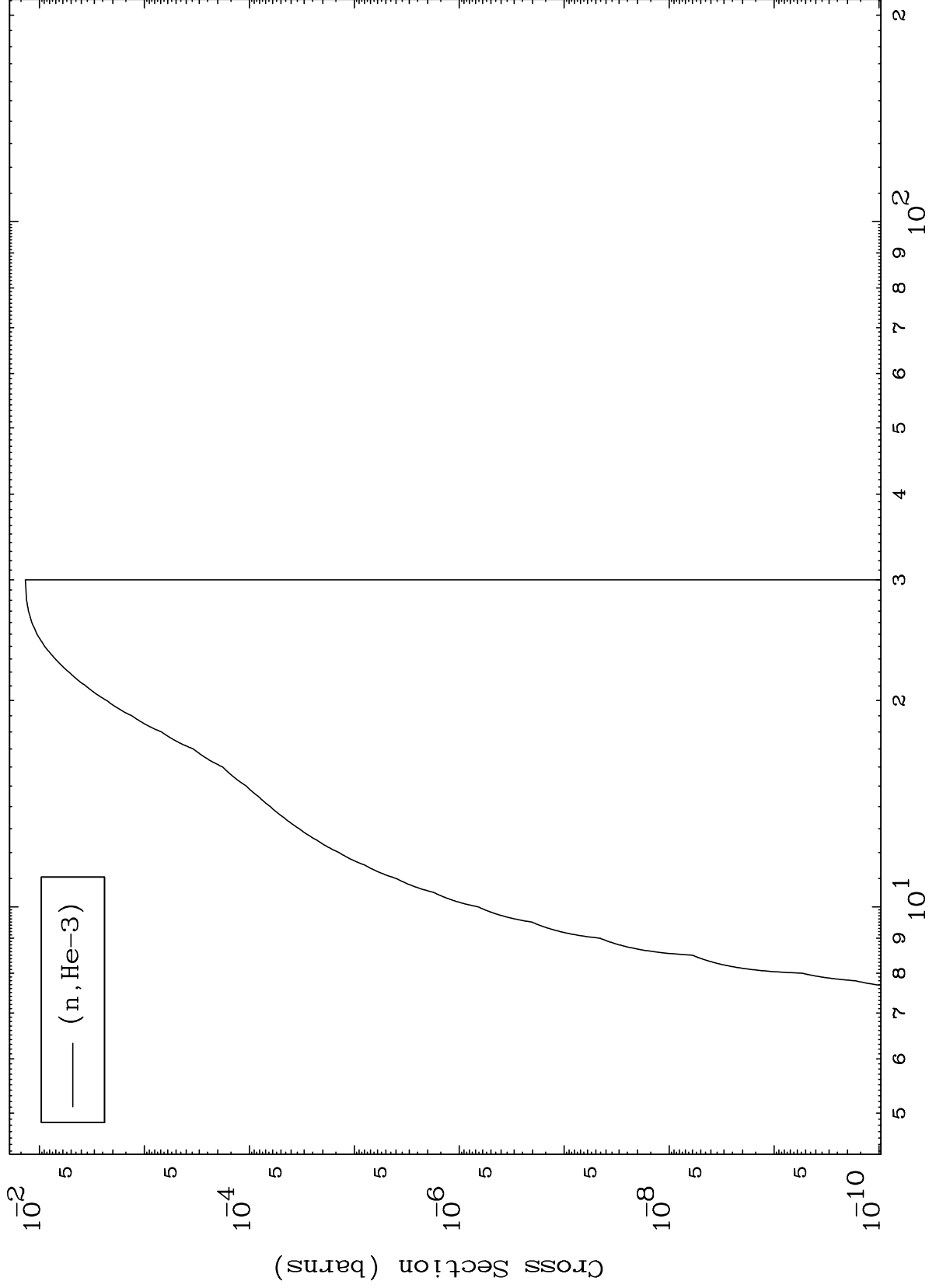


10

Incident Energy (MeV)

28-Ni-56

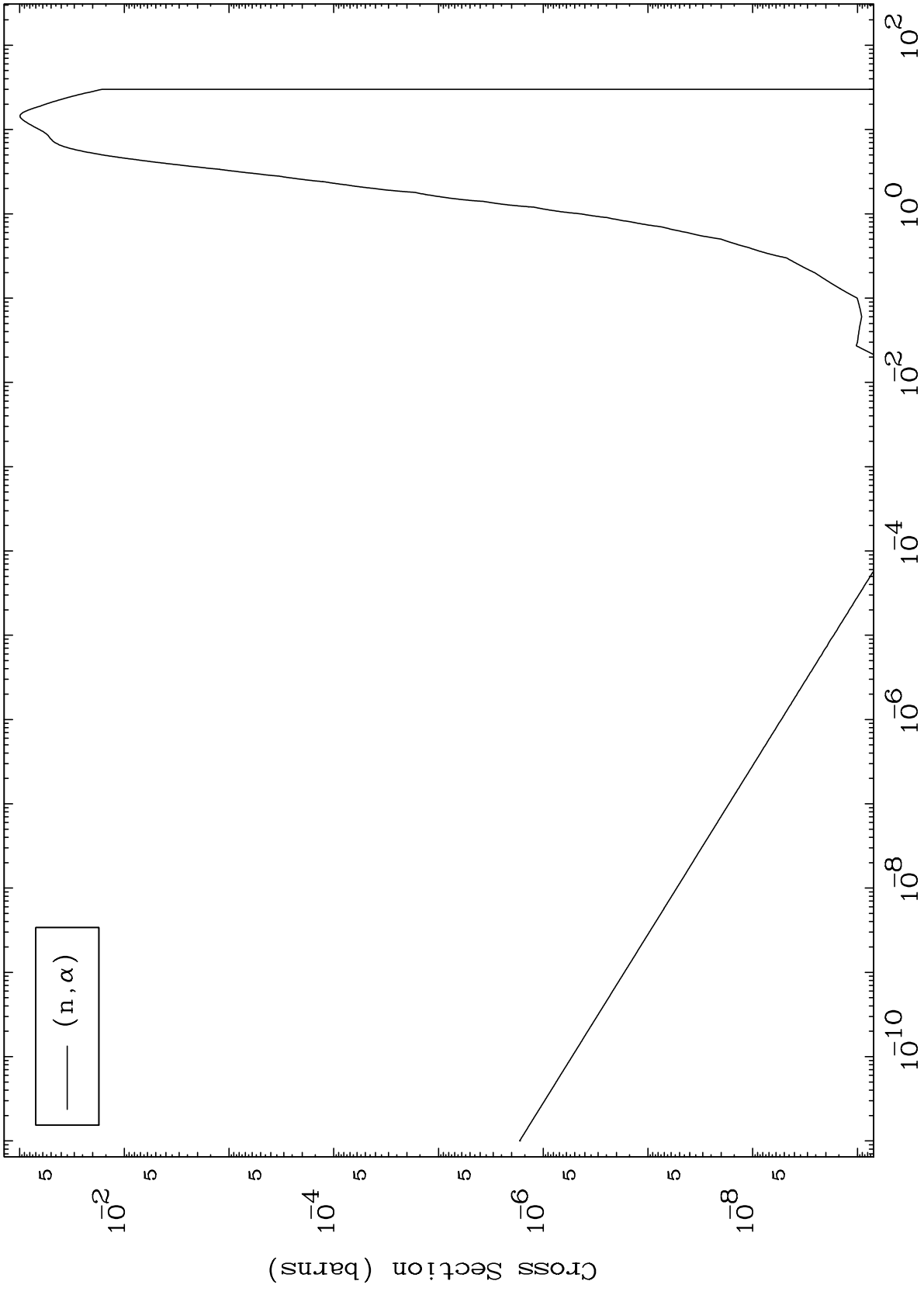
(n,He3) Levels
293 Kelvin Cross Sections



MAT 2819

(n,α) Levels
293 Kelvin Cross Sections

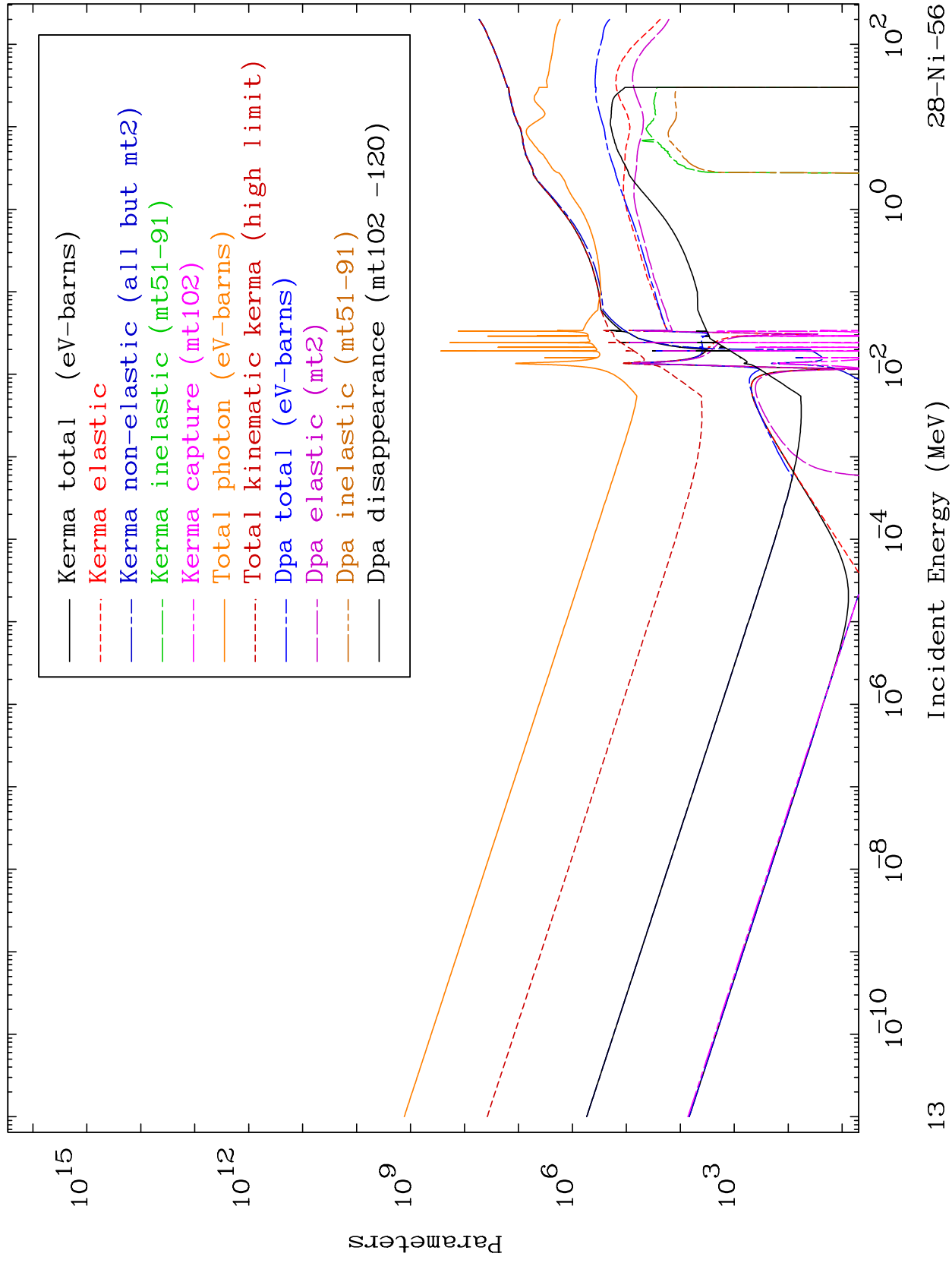
28-Ni-56



12

Incident Energy (MeV)

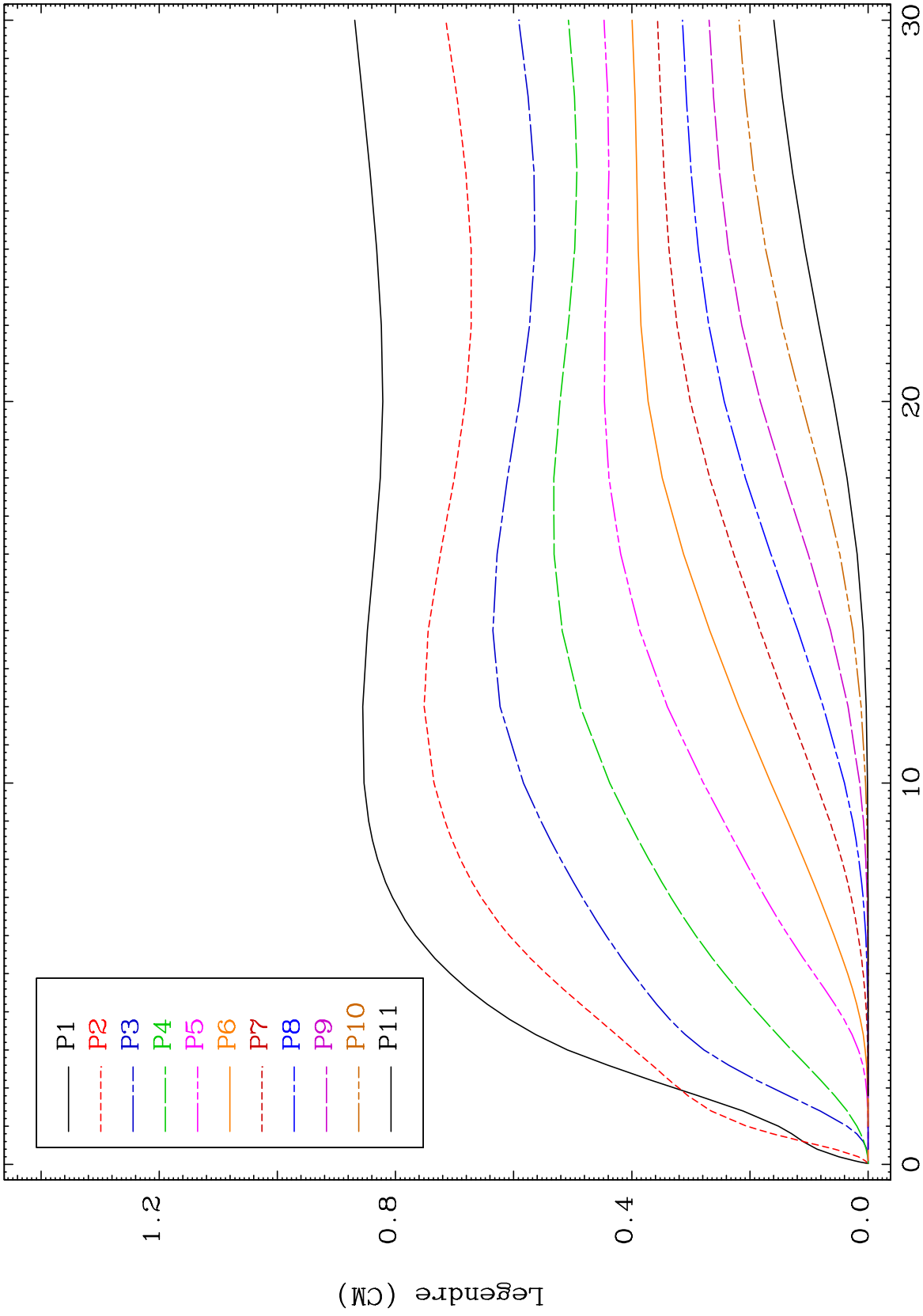
28-Ni-56



MAT 2819

Elastic Legendre Coefficients

28-Ni-56



14

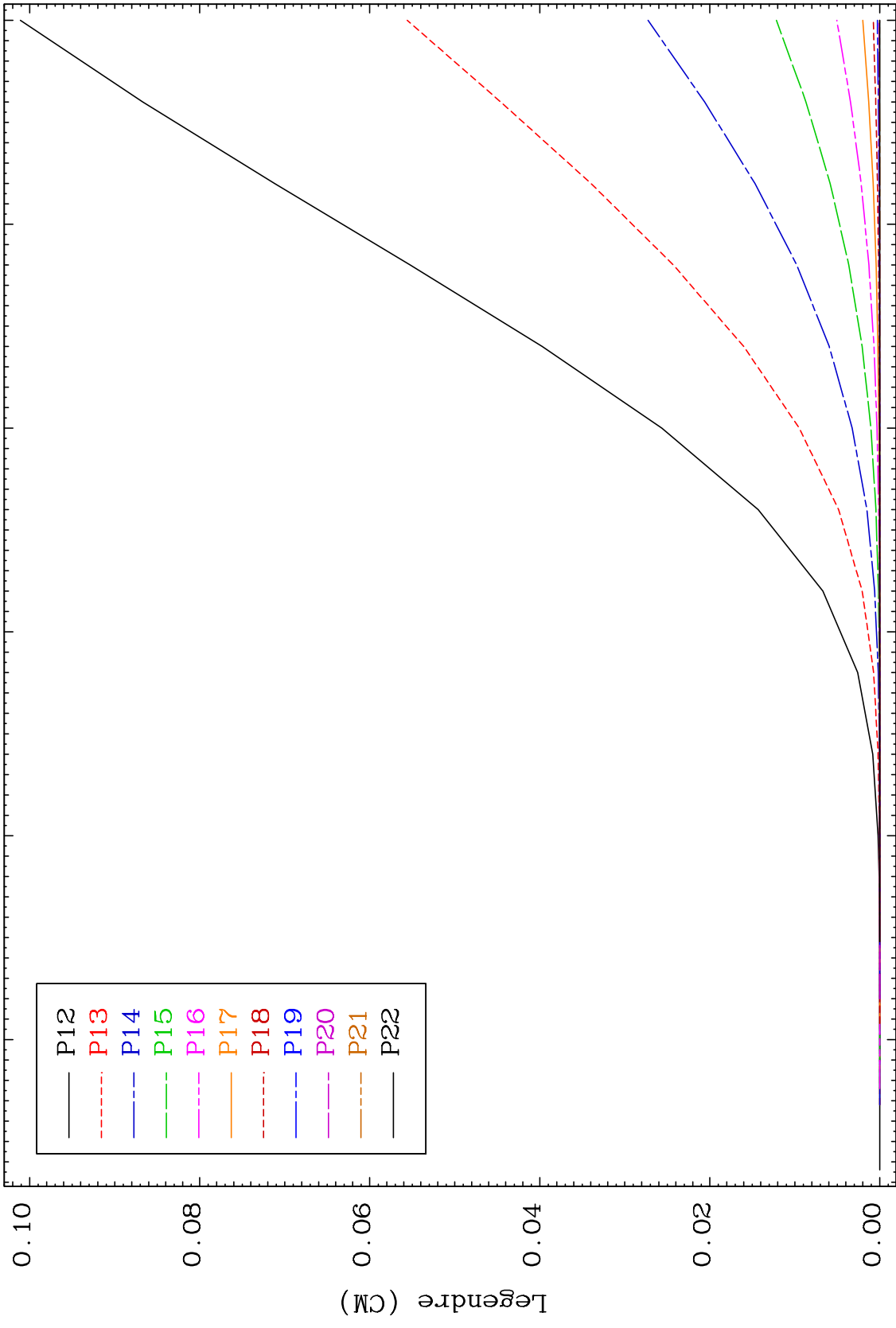
Incident Energy (MeV)

28-Ni-56

MAT 2819

Elastic Legendre Coefficients

²⁸Ni-56



15

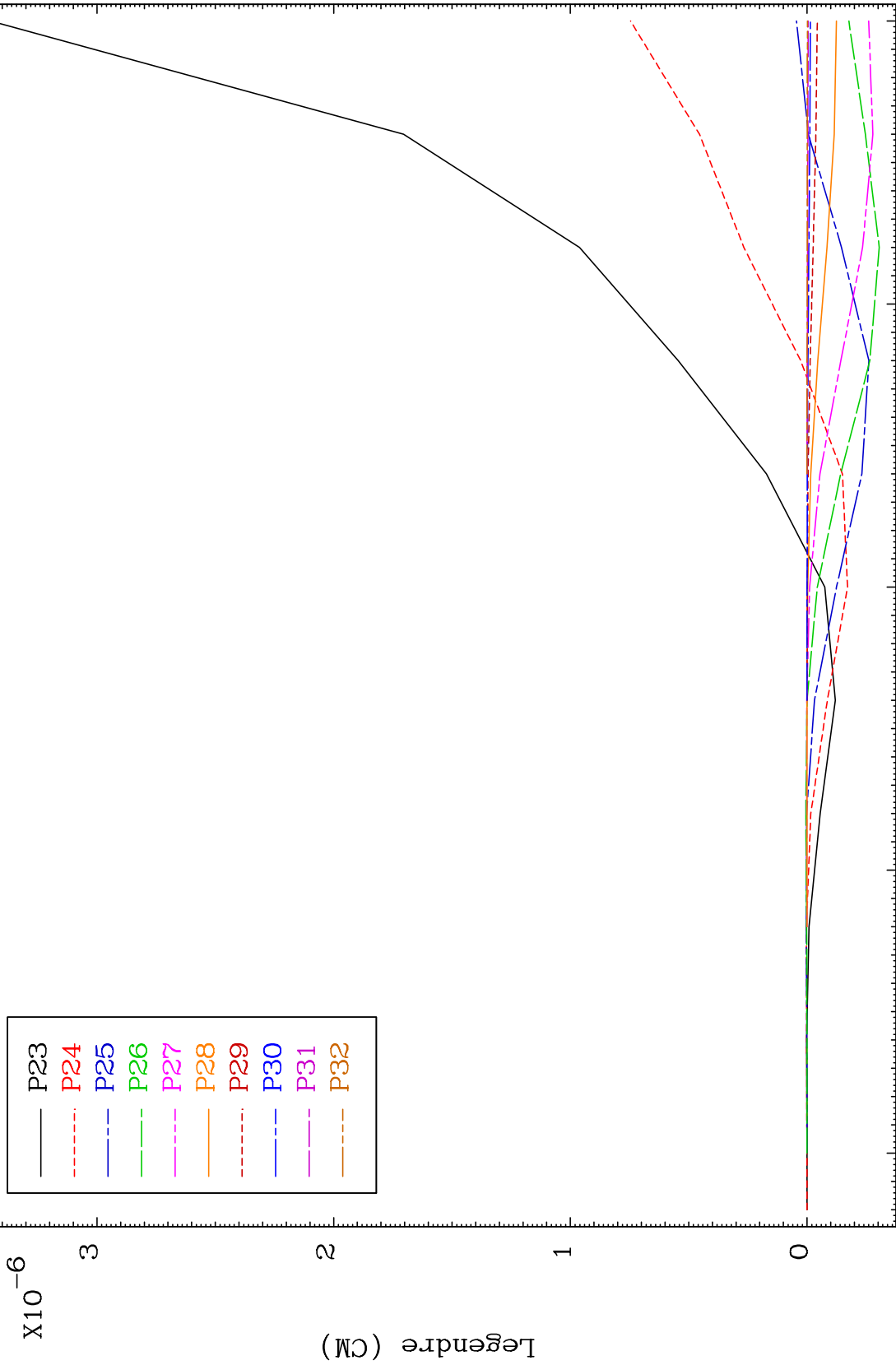
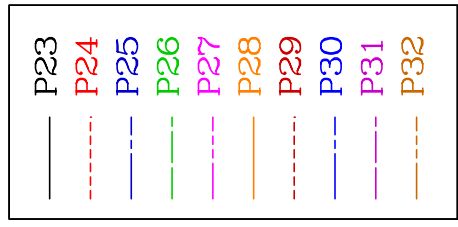
Incident Energy (MeV)

²⁸Ni-56

MAT 2819

Elastic Legendre Coefficients

²⁸Ni-56



16

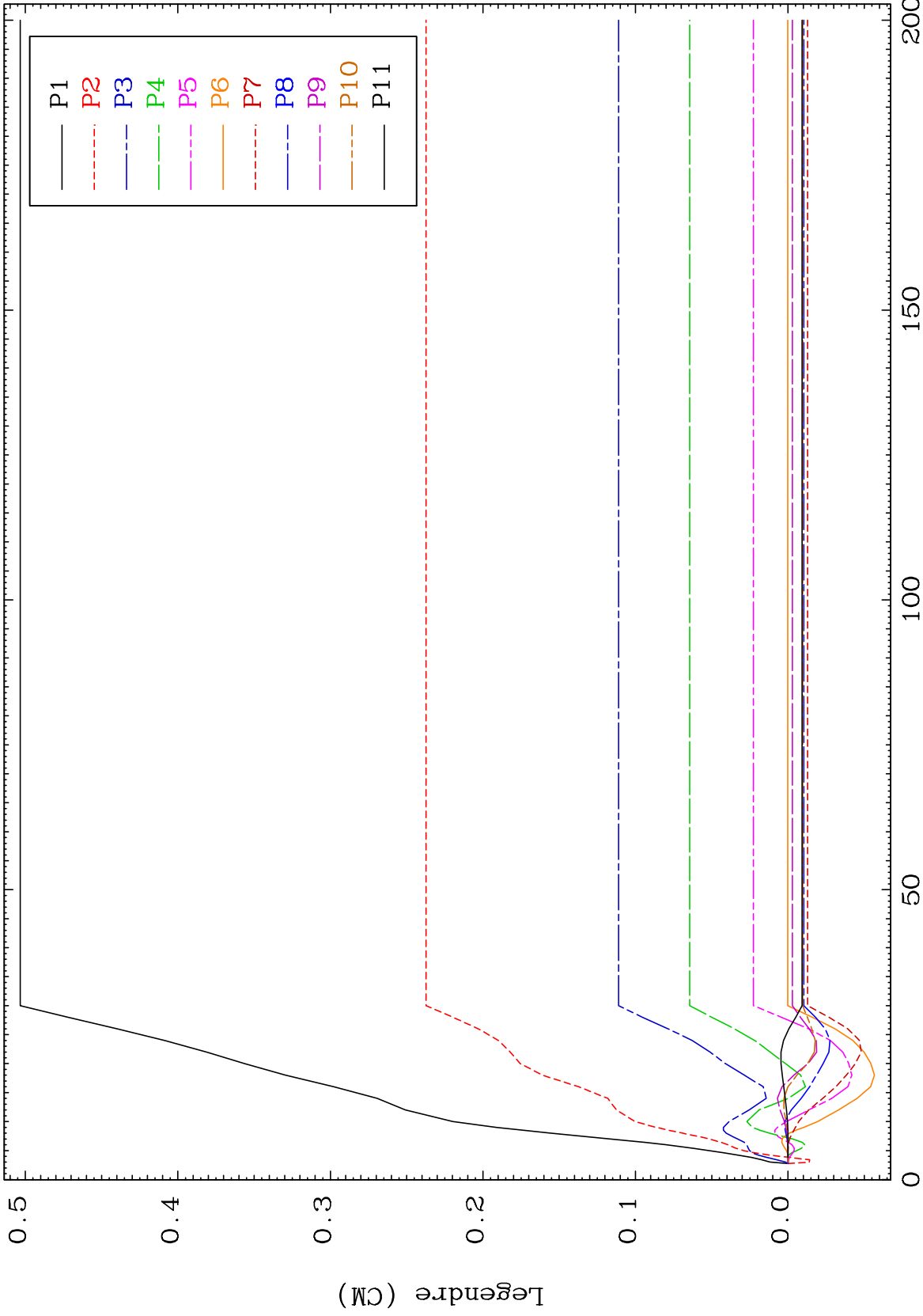
Incident Energy (MeV)

²⁸Ni-56

MAT 2819

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

28-Ni-56



17

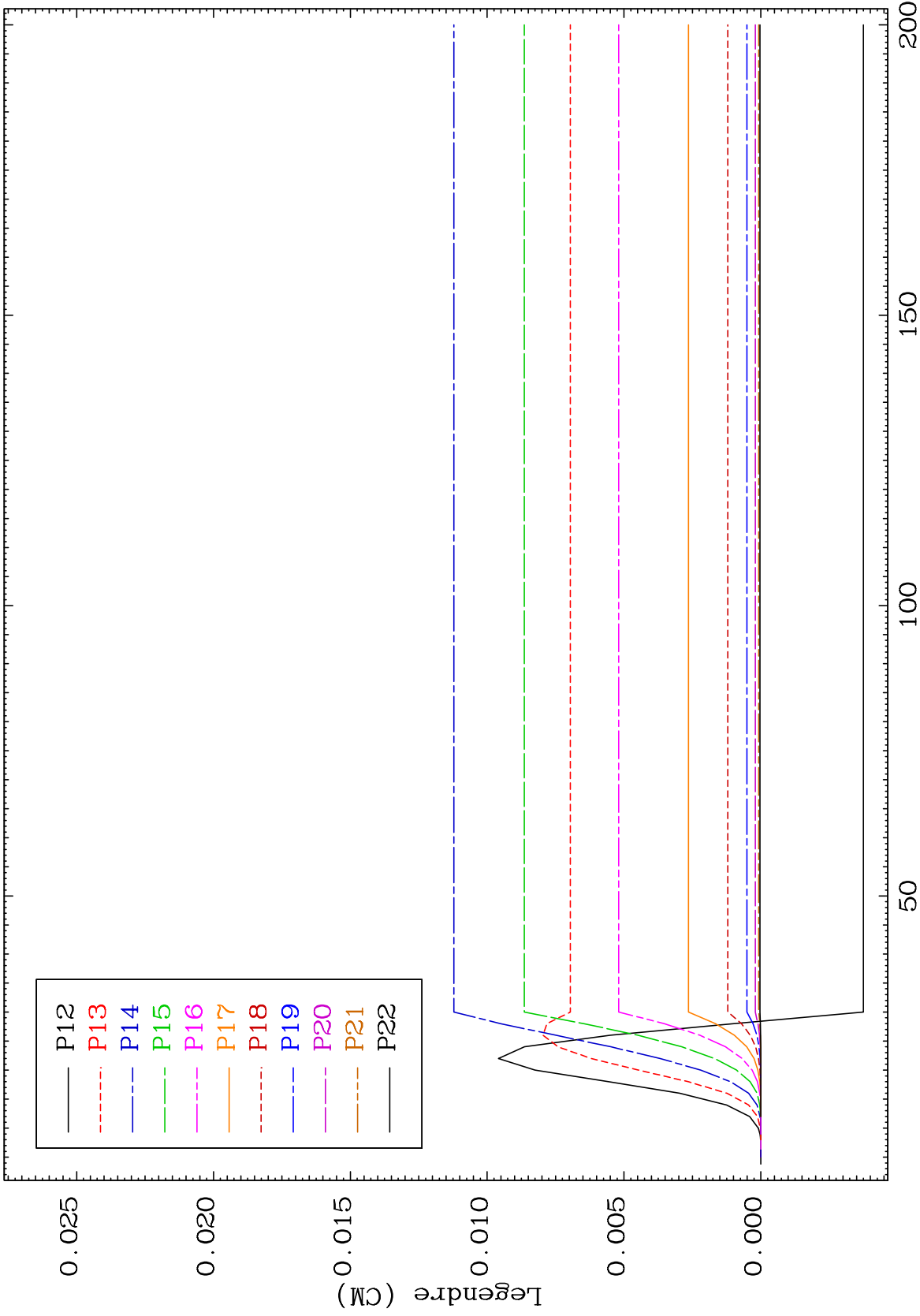
Incident Energy (MeV)

28-Ni-56

MAT 2819

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

28-Ni-56



18

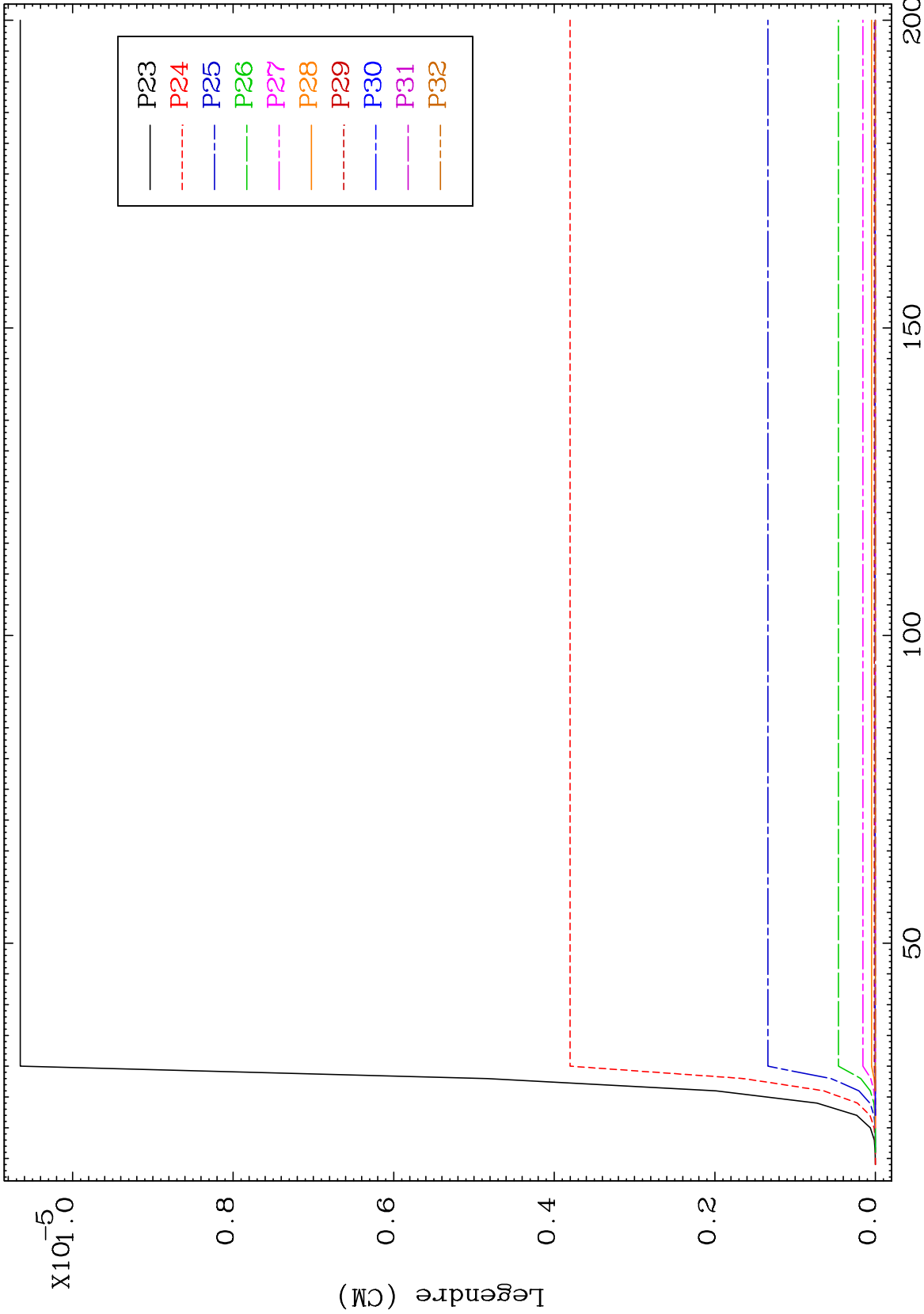
Incident Energy (MeV)

28-Ni-56

MAT 2819

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

28-Ni-56



19

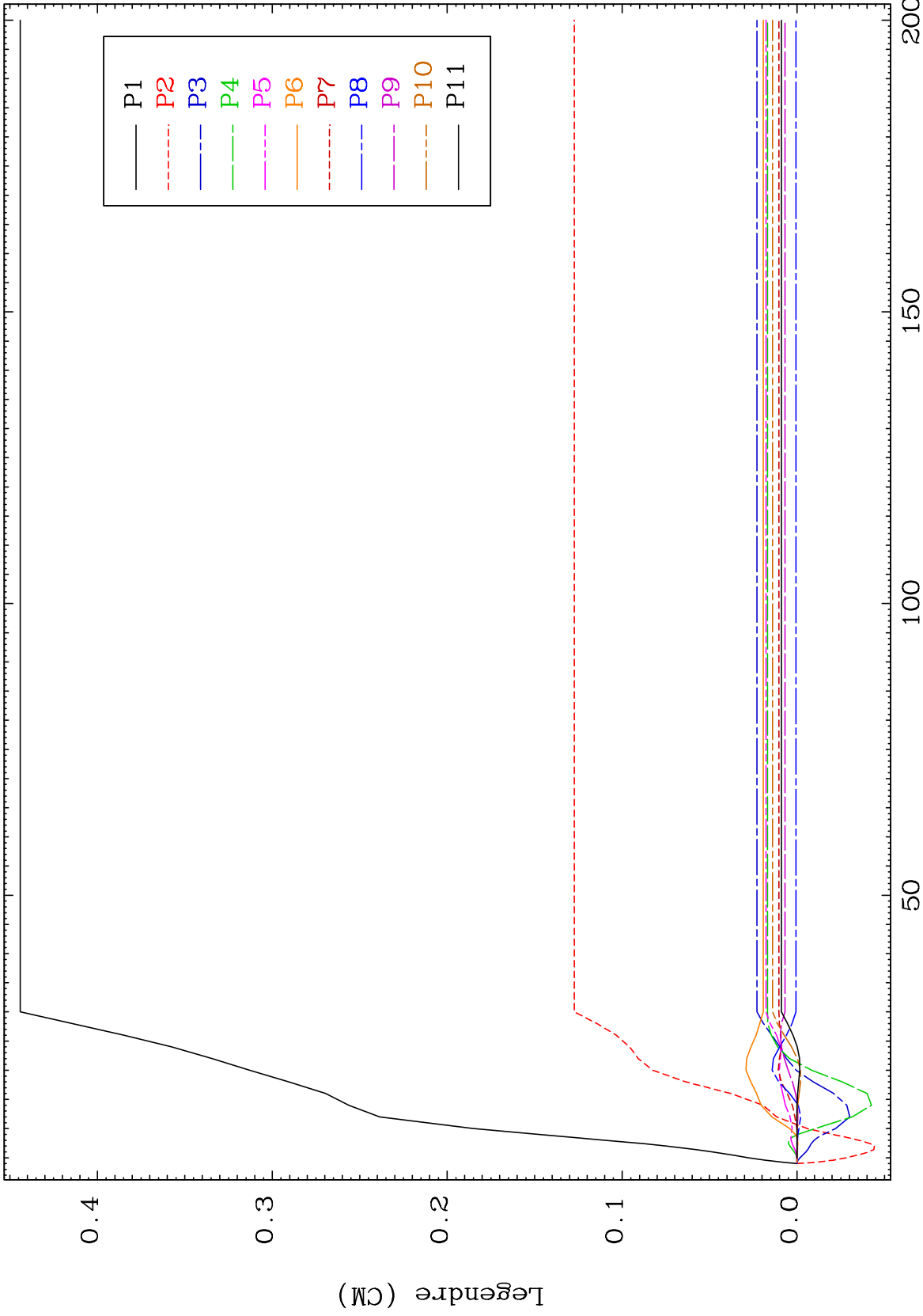
Incident Energy (MeV)

28-Ni-56

MAT 2819

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

28-Ni-56



20

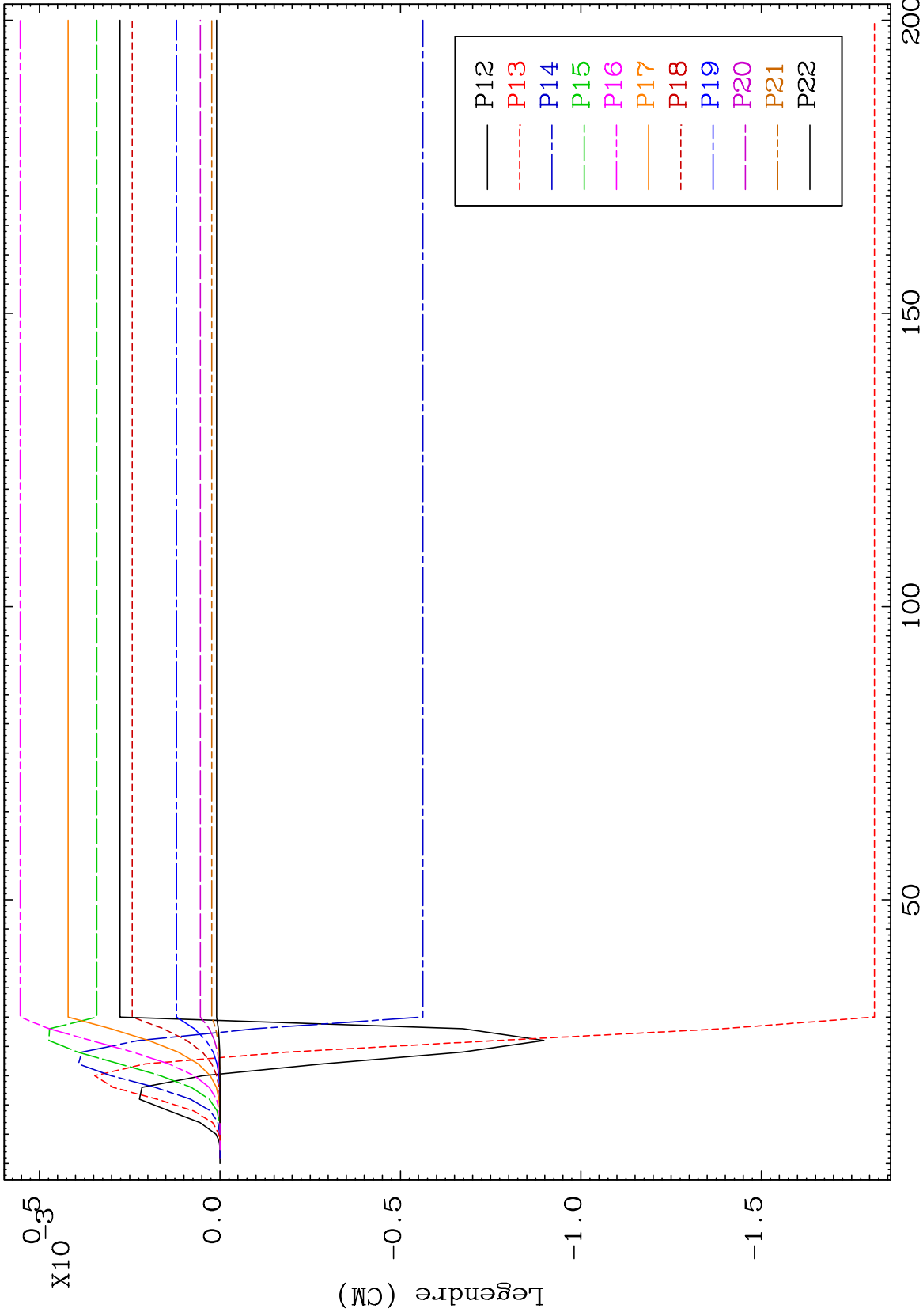
Incident Energy (MeV)

28-Ni-56

MAT 2819

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

28-Ni-56



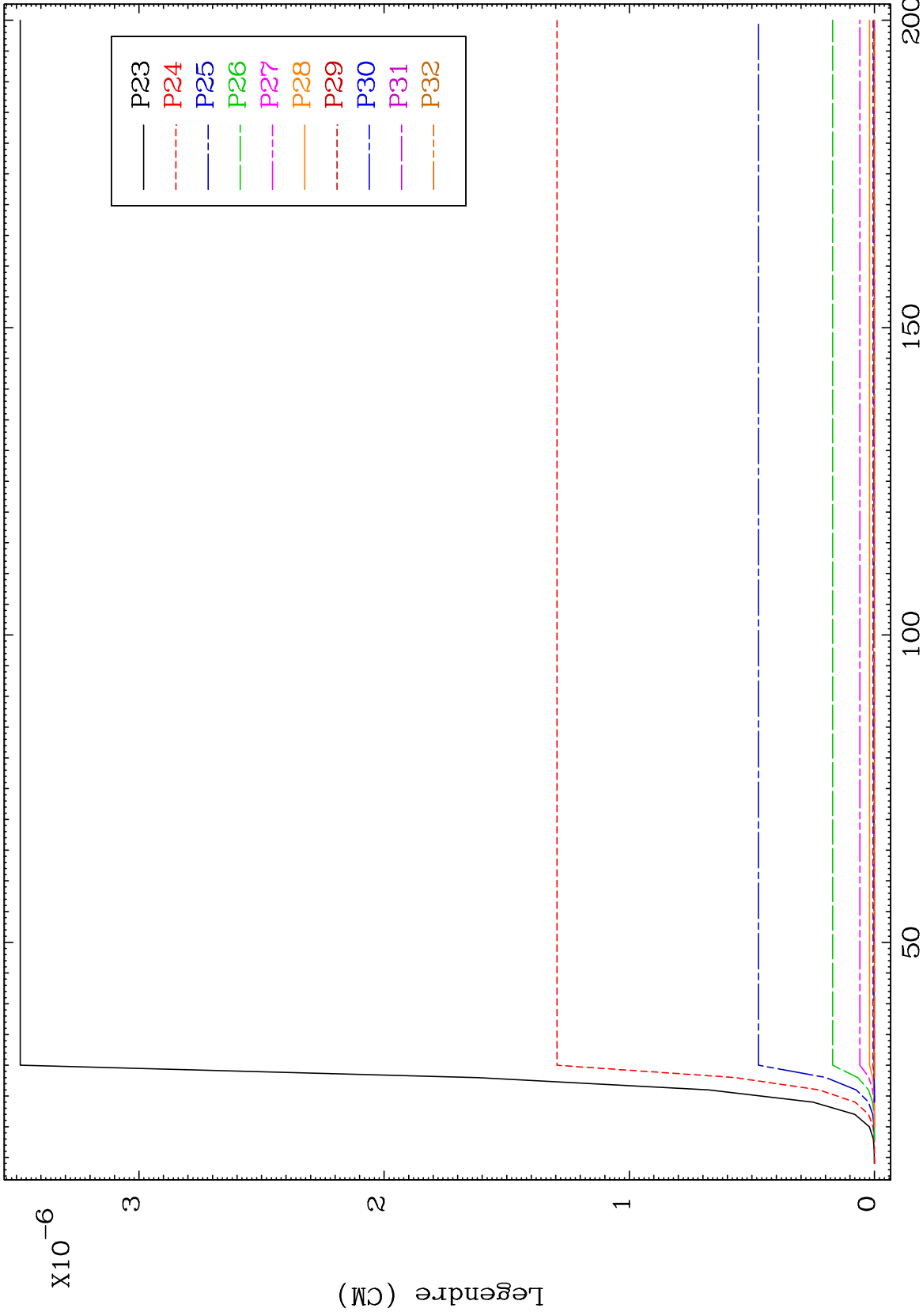
21

28-Ni-56

MAT 2819

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

28-Ni-56



22

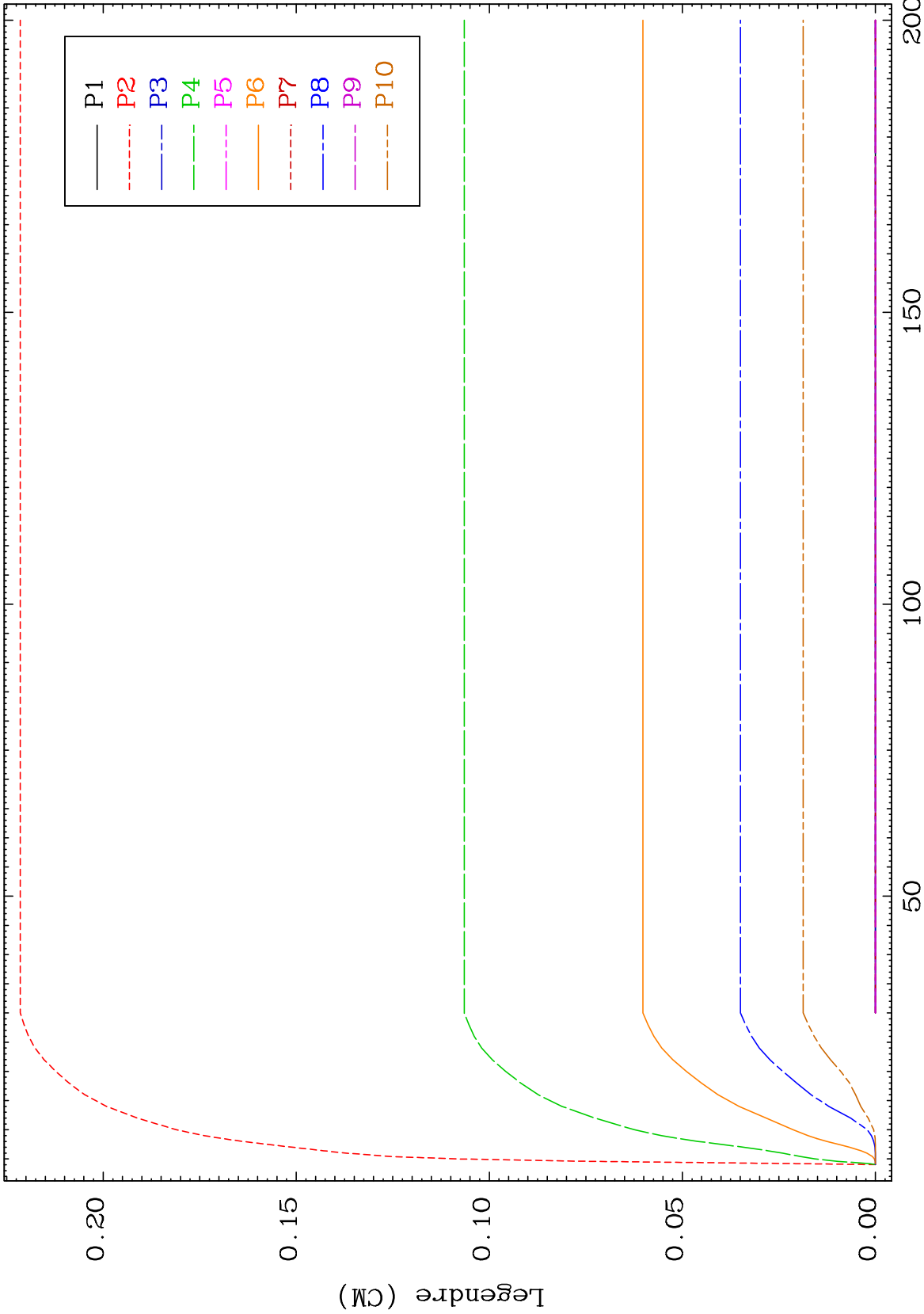
Incident Energy (MeV)

28-Ni-56

MAT 2819

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

28-Ni-56



23

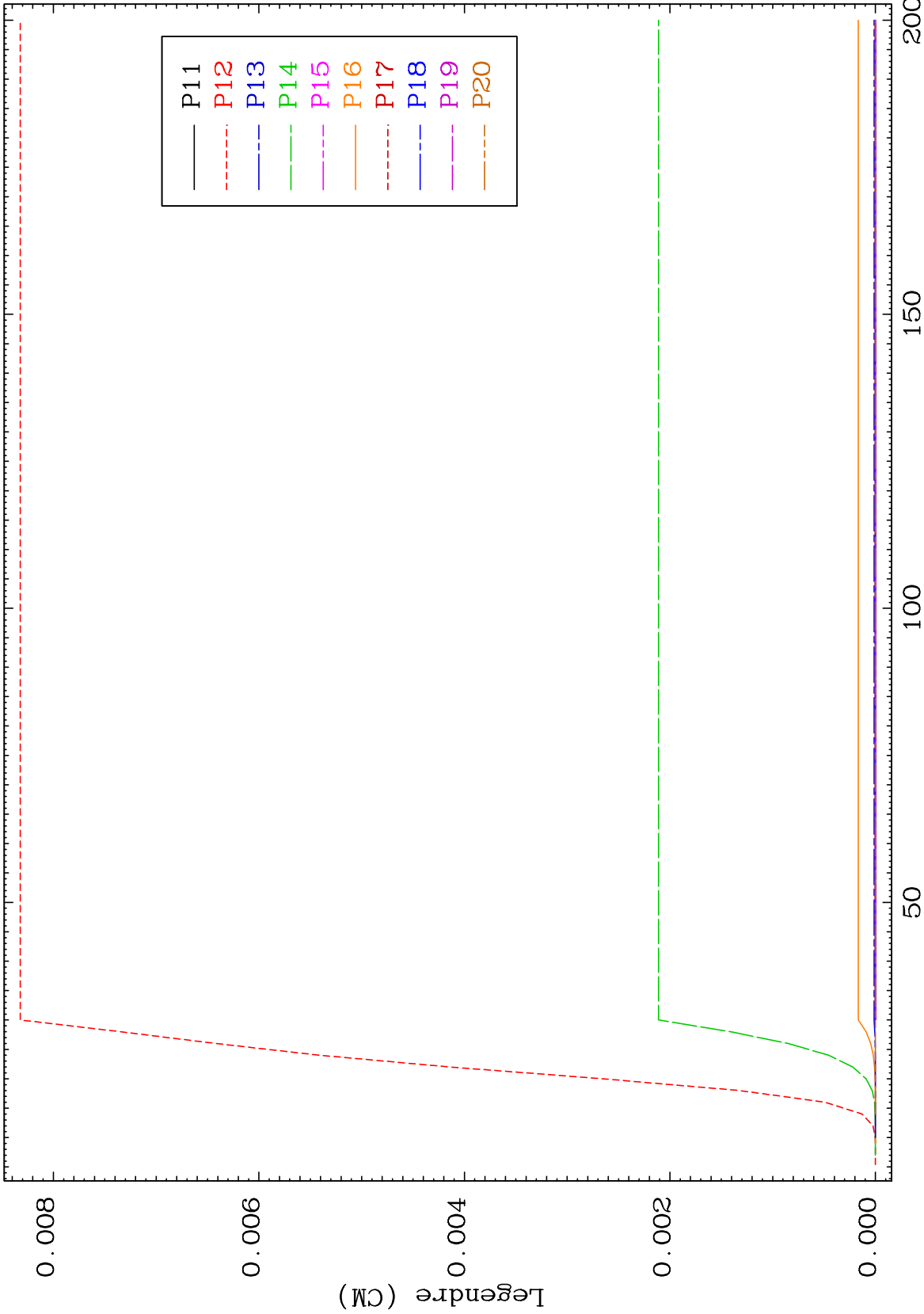
Incident Energy (MeV)

28-Ni-56

MAT 2819

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

28-Ni-56

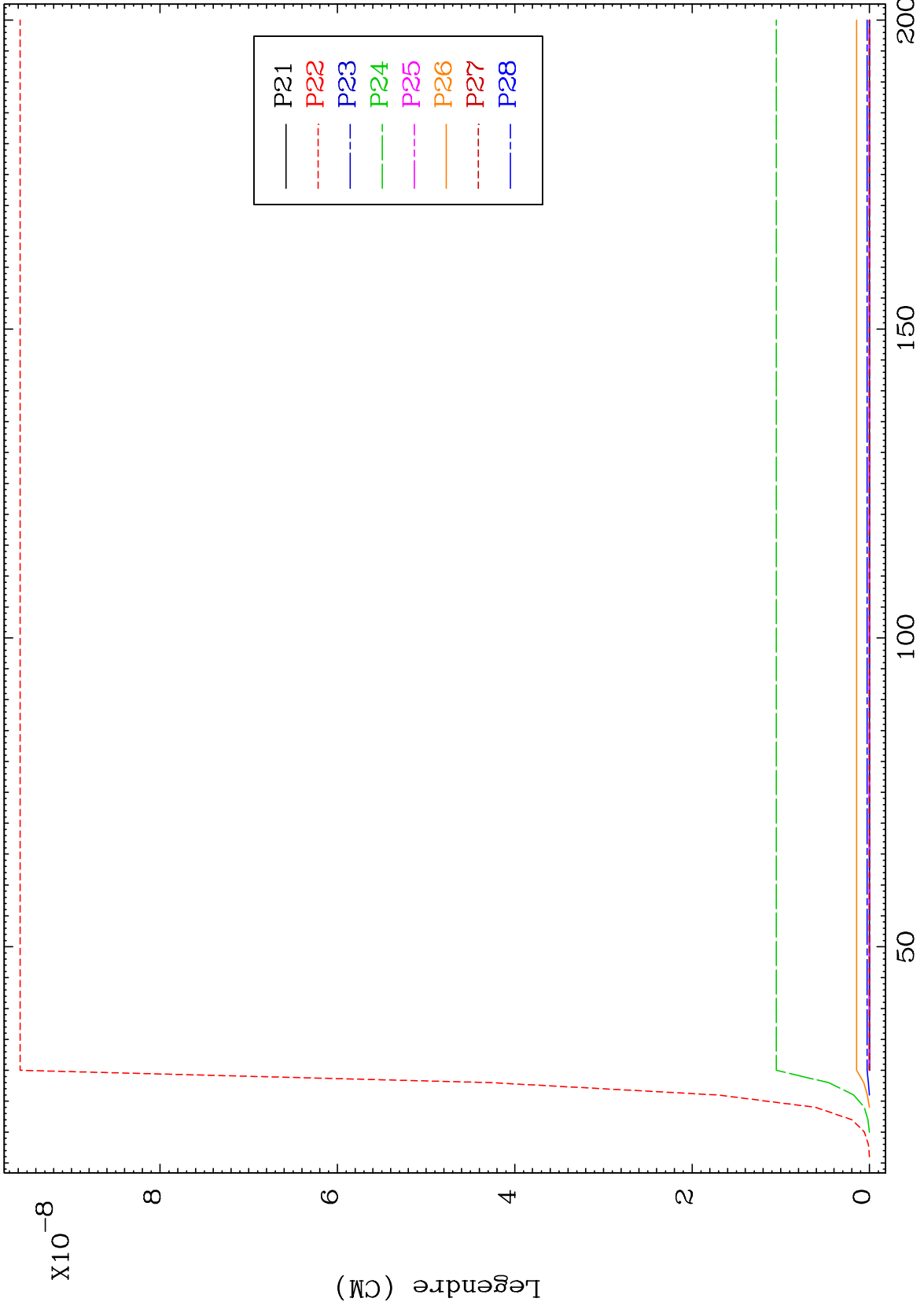


24

Incident Energy (MeV)

28-Ni-56

MAT 2819 MT= 53 (n,n') Level Legendre Coefficients 28-Ni-56

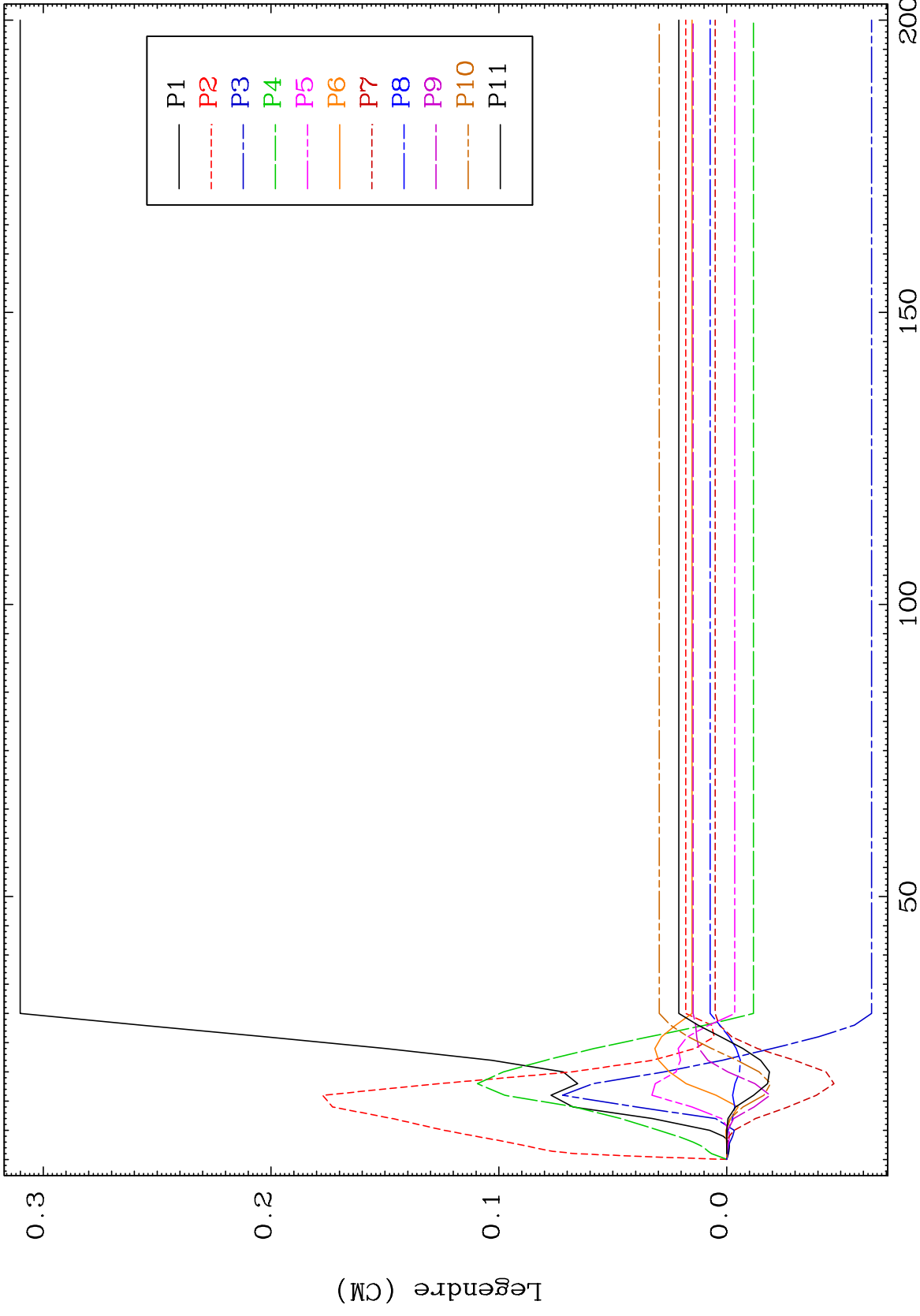


28-Ni-56

MAT 2819

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

28-Ni-56



26

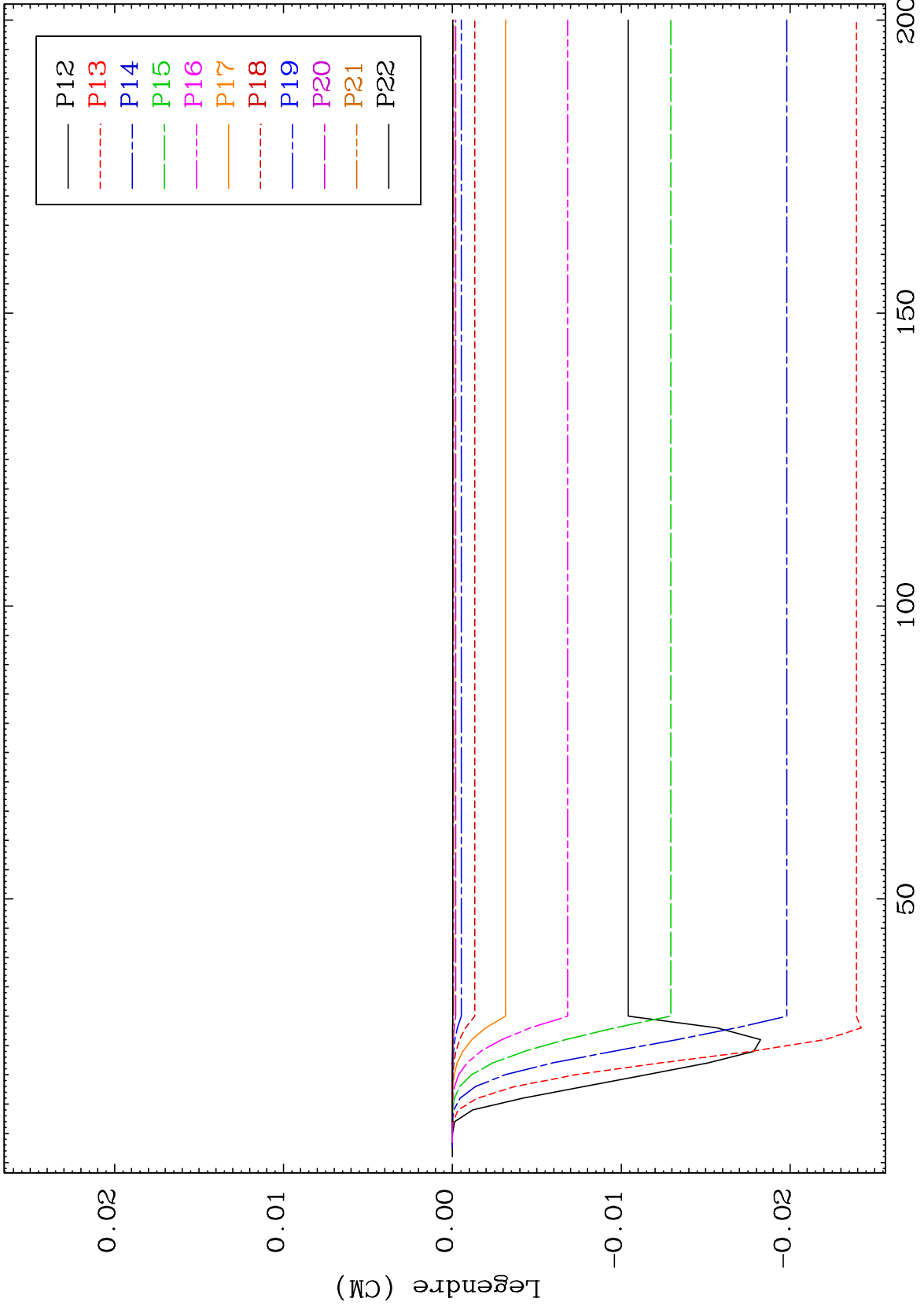
Incident Energy (MeV)

28-Ni-56

MAT 2819

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

28-Ni-56



27

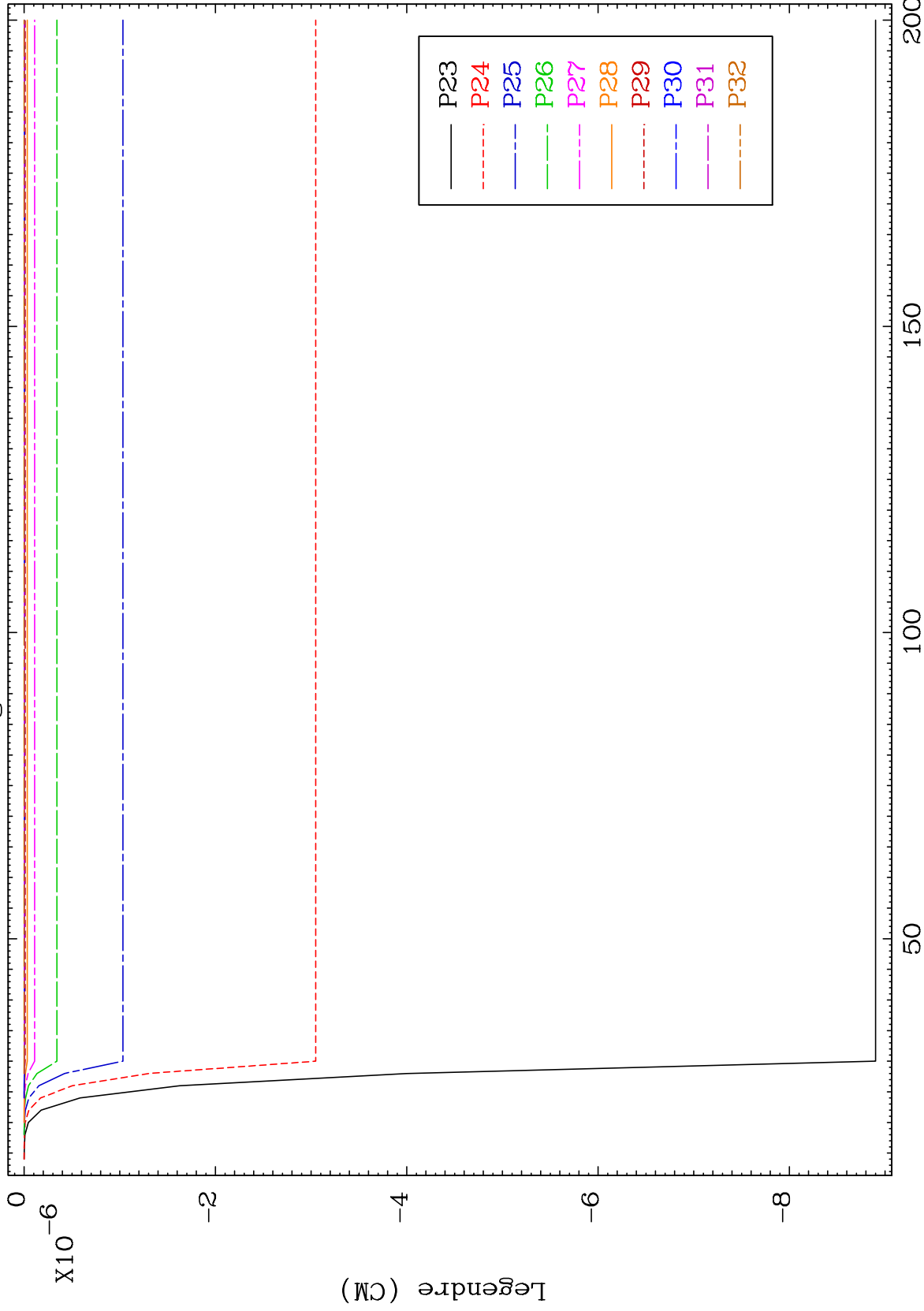
Incident Energy (MeV)

28-Ni-56

MAT 2819

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

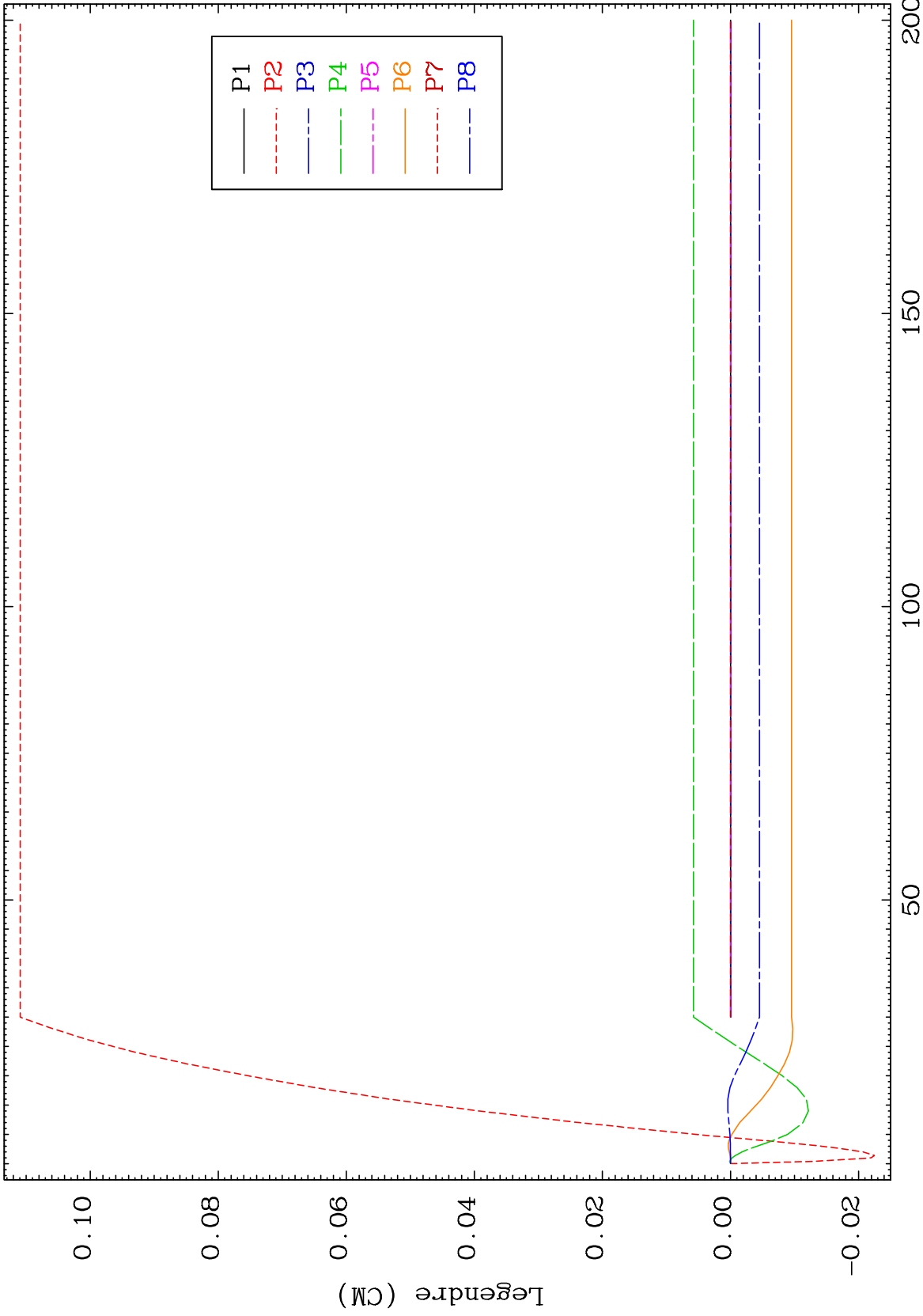
28-Ni-56



MAT 2819

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

28-Ni-56



29

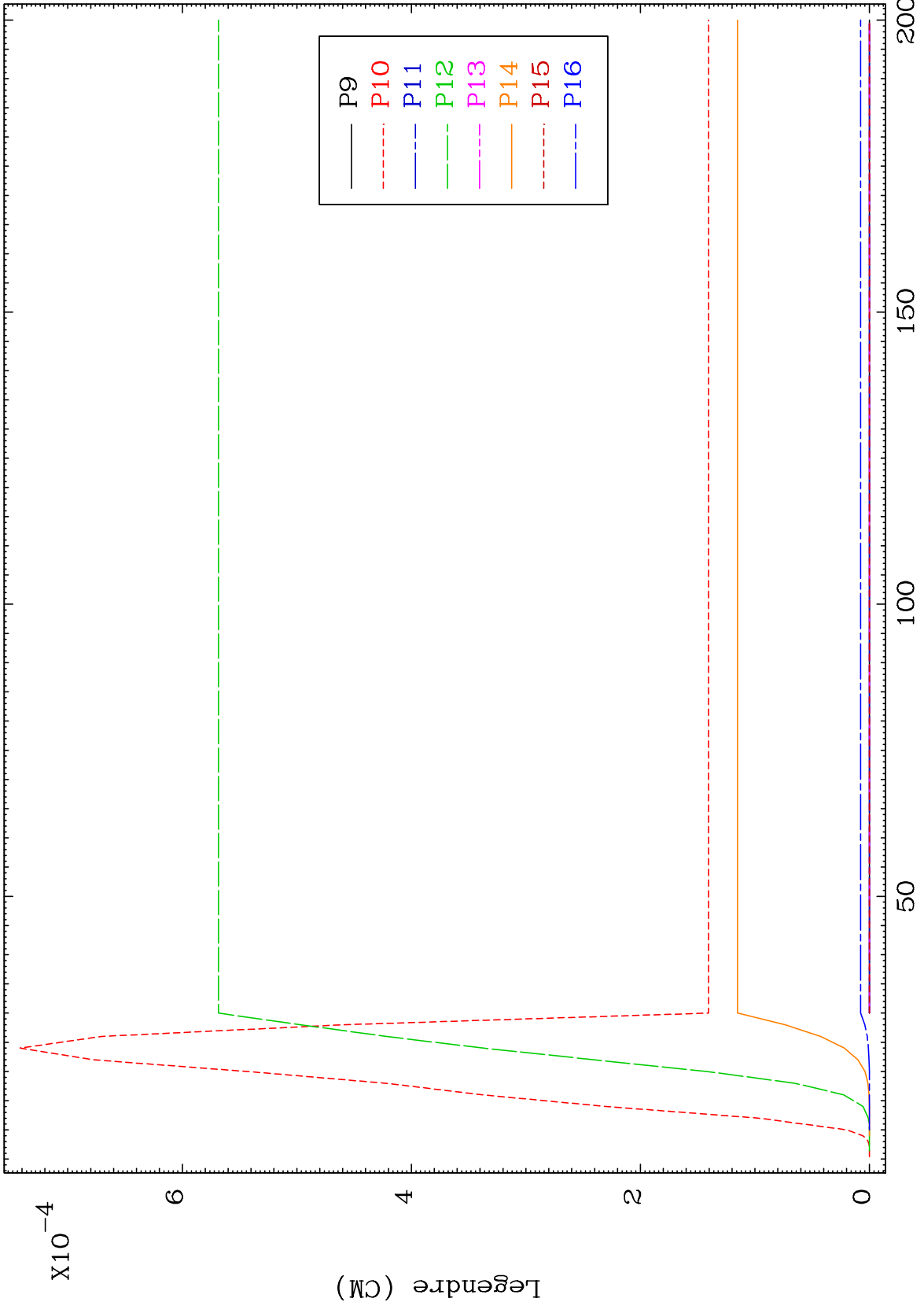
Incident Energy (MeV)

28-Ni-56

MAT 2819

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

28-Ni-56

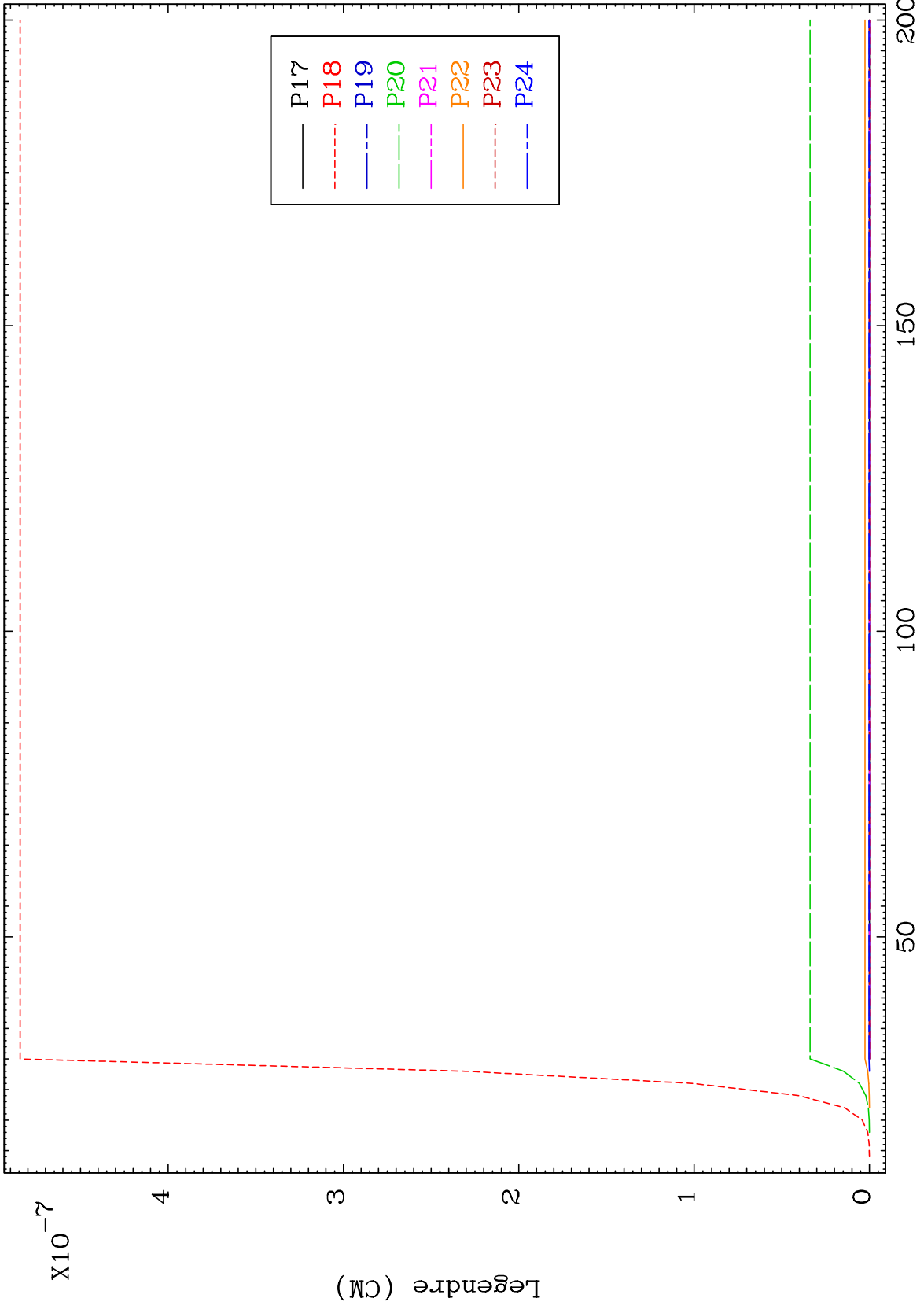


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Incident Energy (MeV)

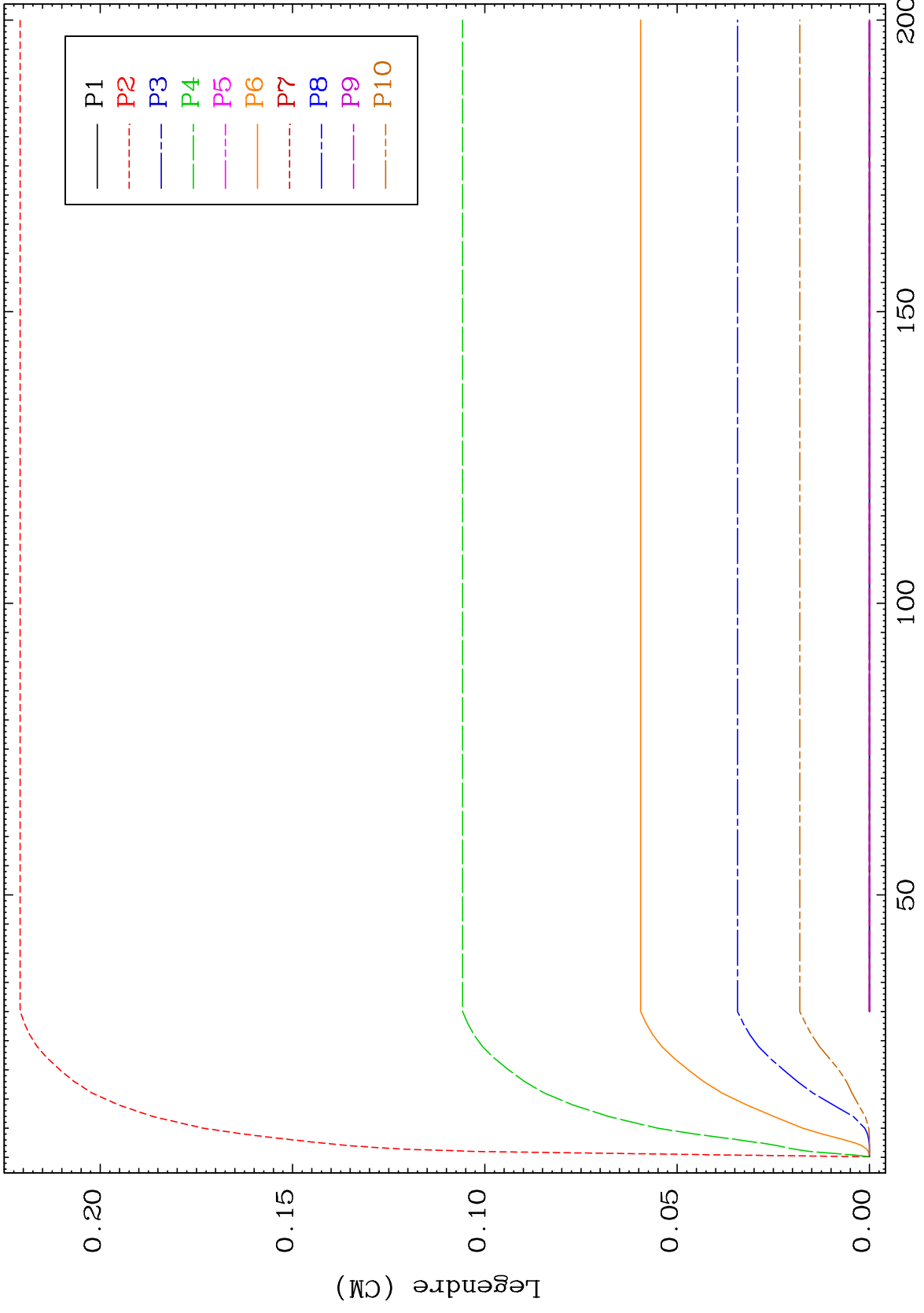
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MAT 2819 MT= 55 (n,n') Level Legendre Coefficients 28-Ni-56



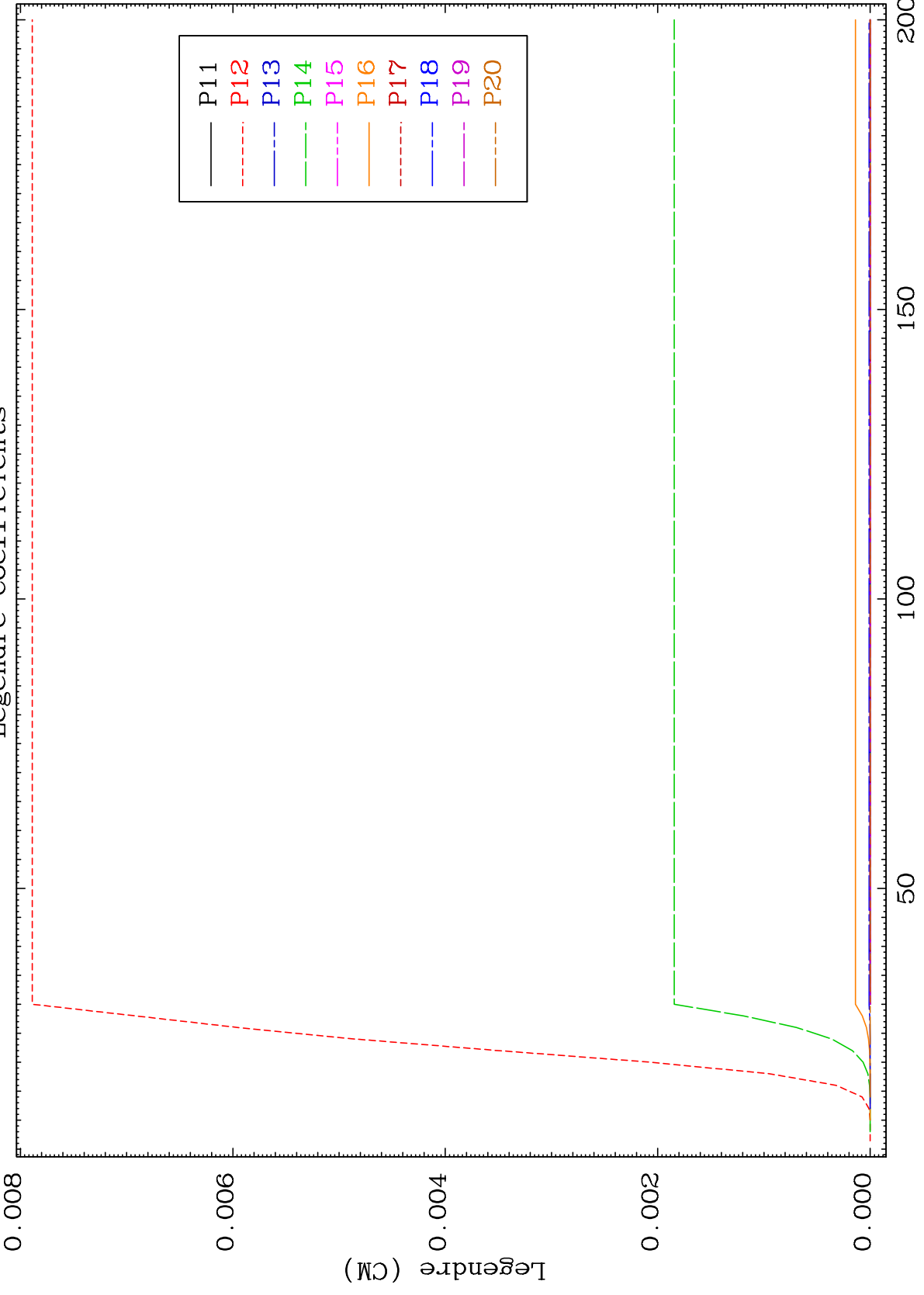
31 28-Ni-56

MAT 2819 MT= 56 (n,n') Level Legendre Coefficients 28-Ni-56



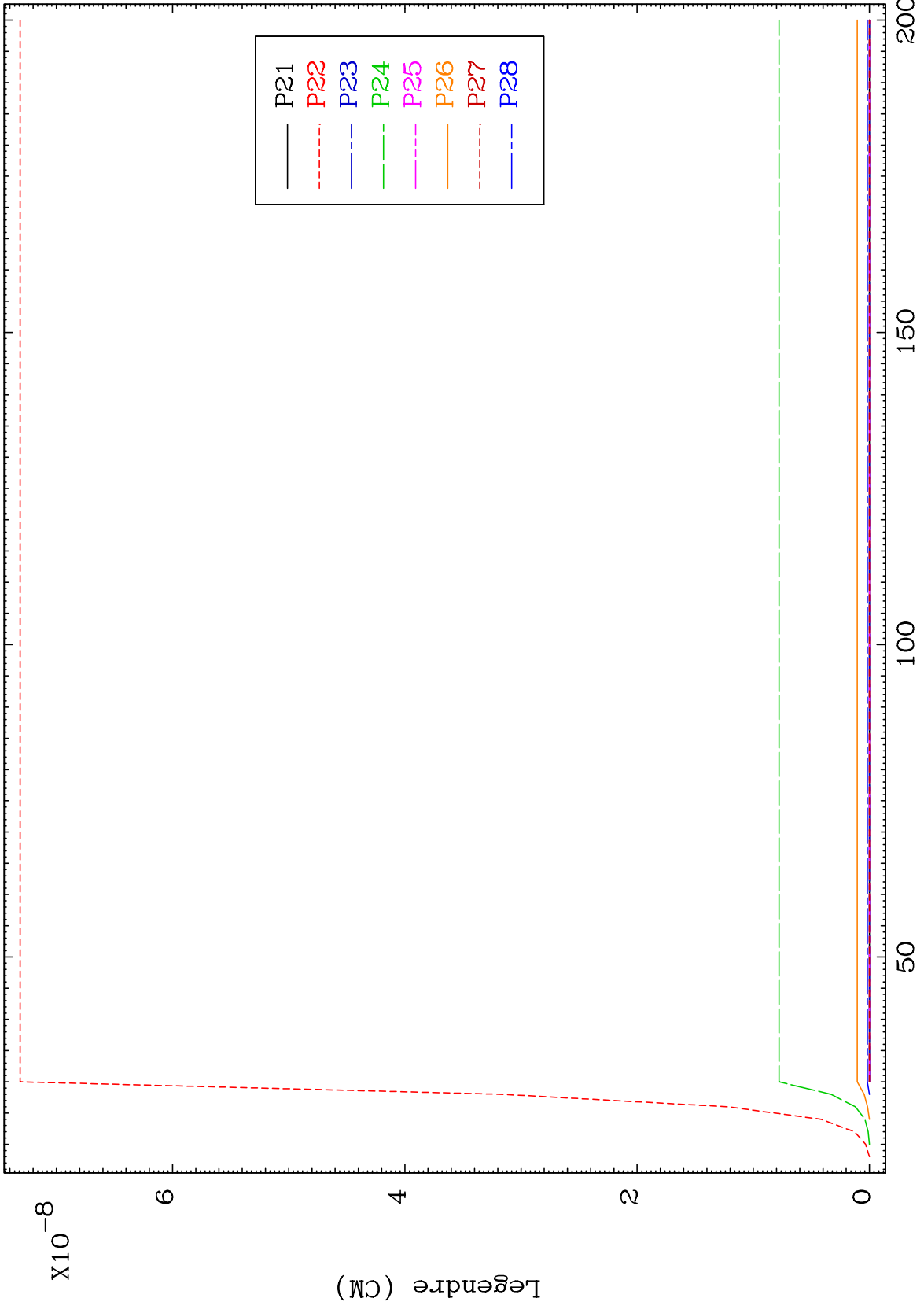
32 Incident Energy (MeV) 28-Ni-56

MAT 2819 MT= 56 (n,n') Level Legendre Coefficients 28-Ni-56



33 28-Ni-56

MAT 2819 MT= 56 (n,n') Level Legendre Coefficients 28-Ni-56

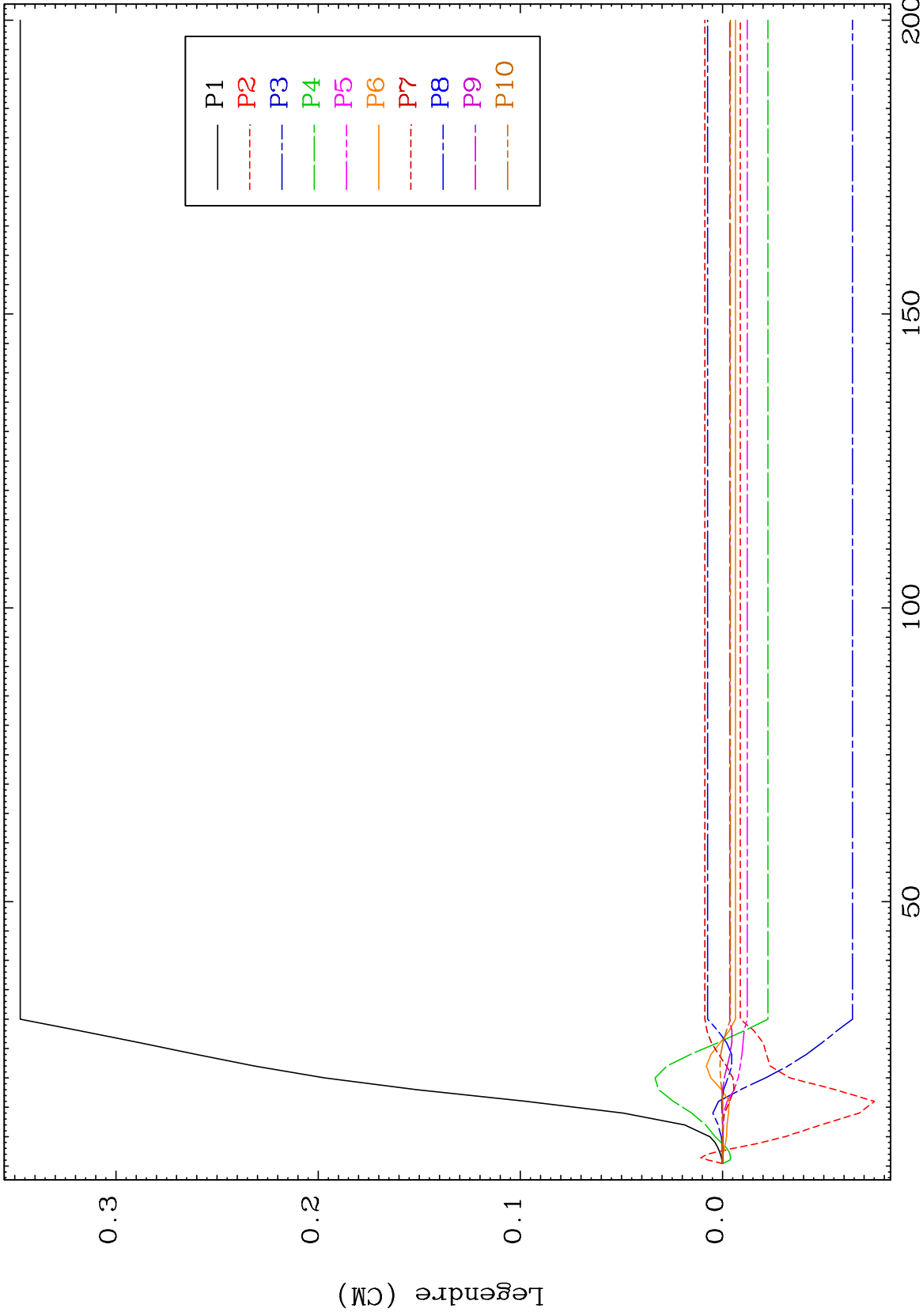


34 50 100 150 200 28-Ni-56

MAT 2819

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

28-Ni-56

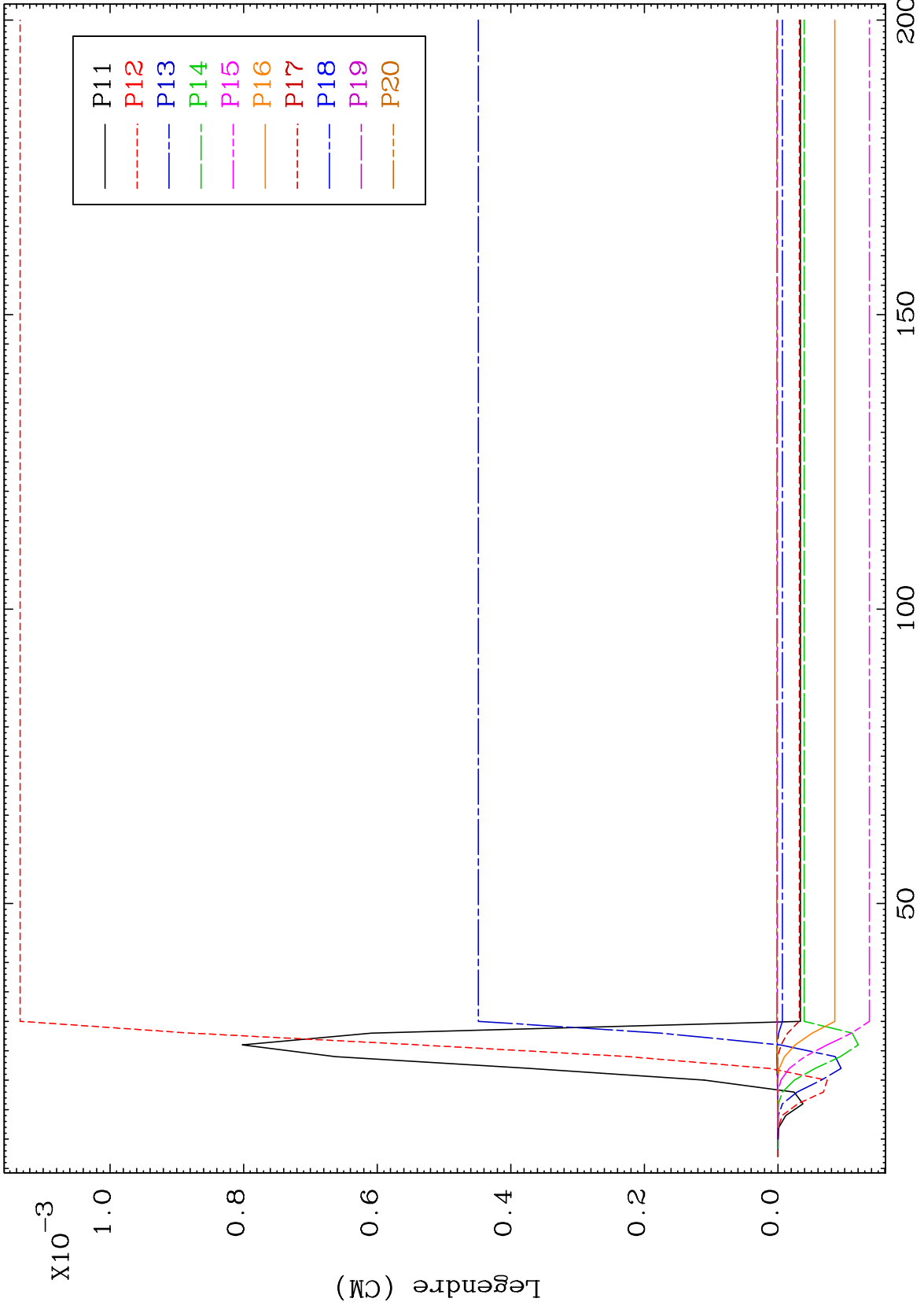


35

Incident Energy (MeV)

28-Ni-56

MAT 2819 MT= 57 (n,n') Level Legendre Coefficients 28-Ni-56

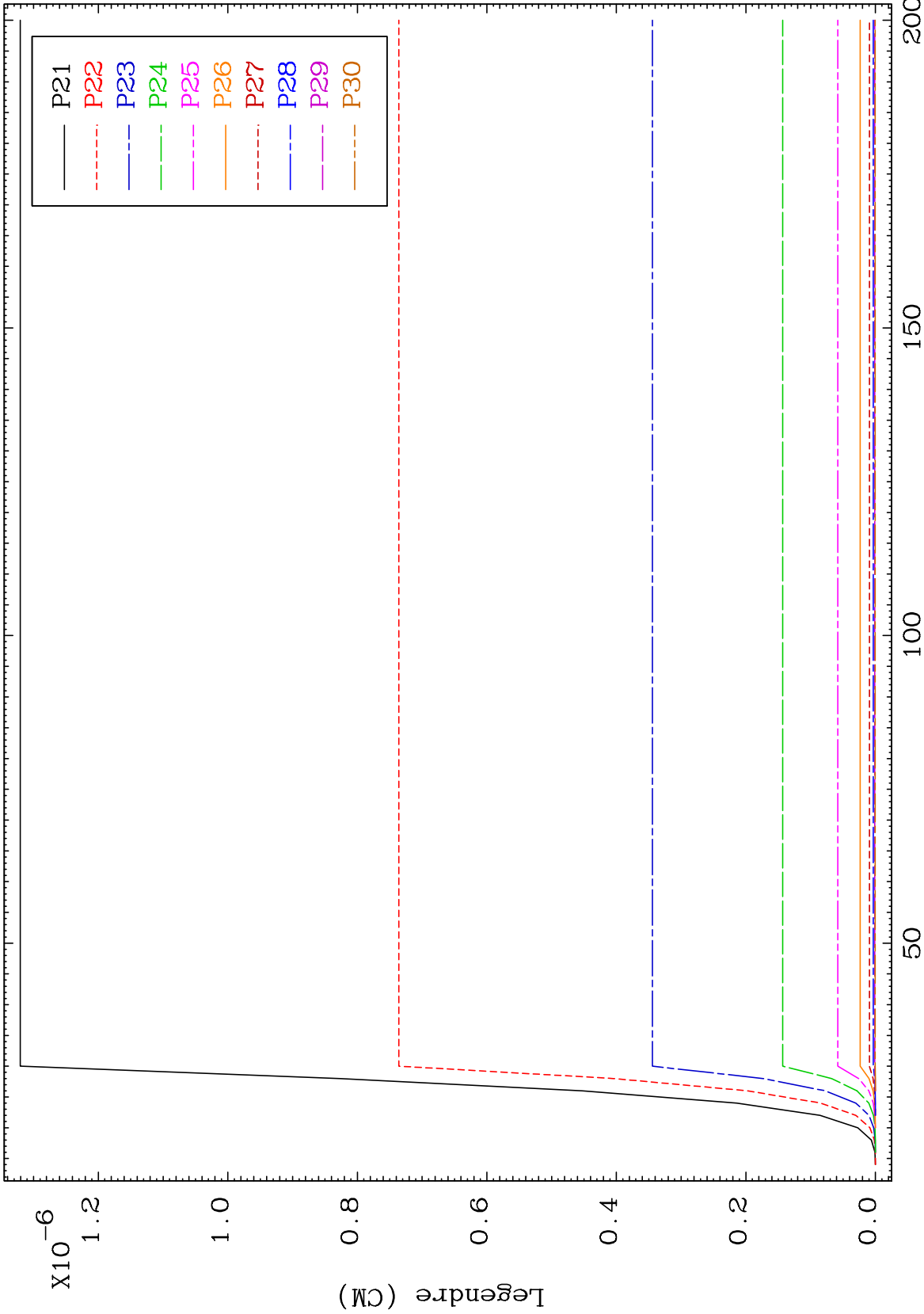


36 Incident Energy (MeV) 28-Ni-56

MAT 2819

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

28-Ni-56



37

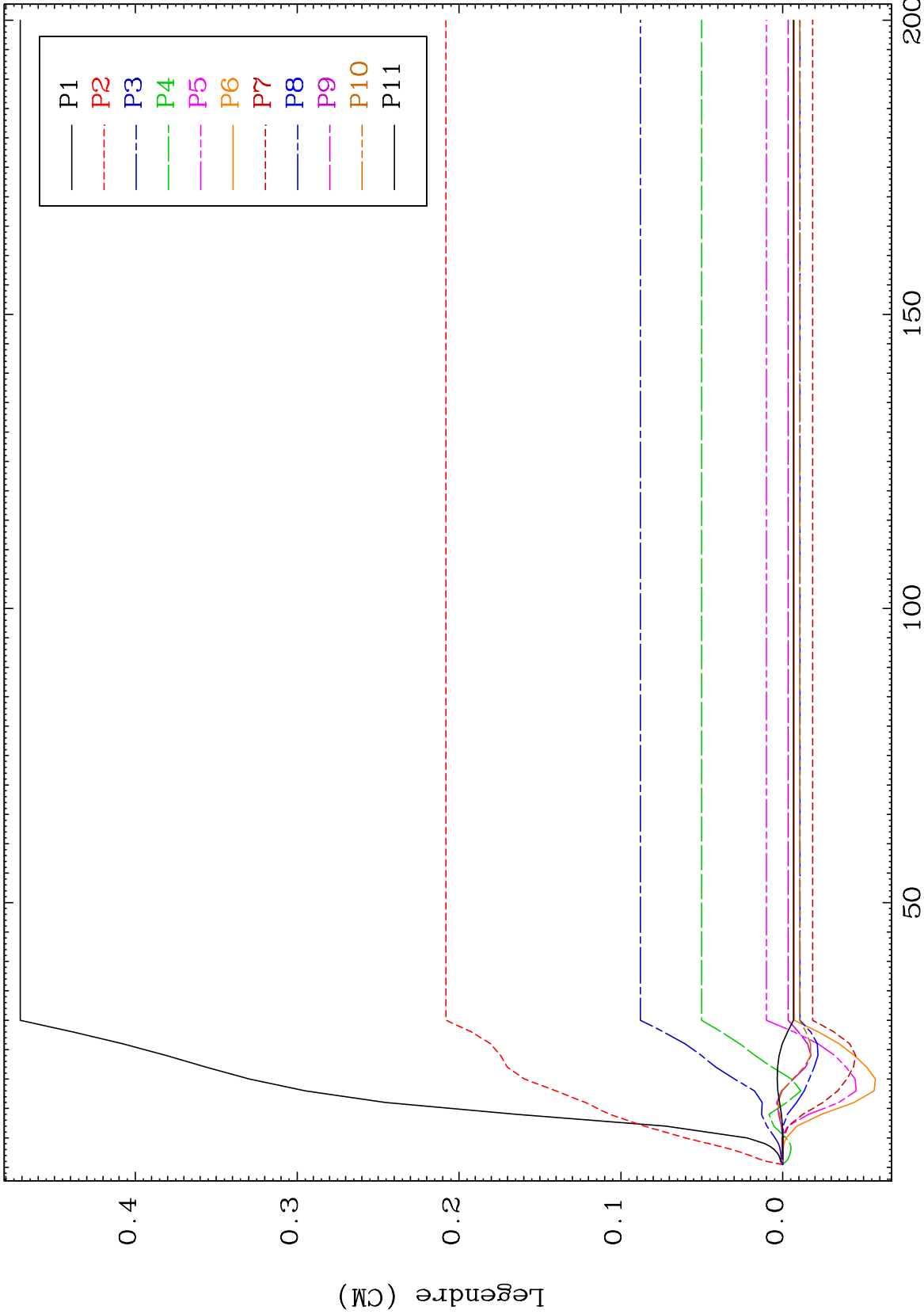
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 58 (n,n') Level
Legendre Coefficients

28-Ni-56



38

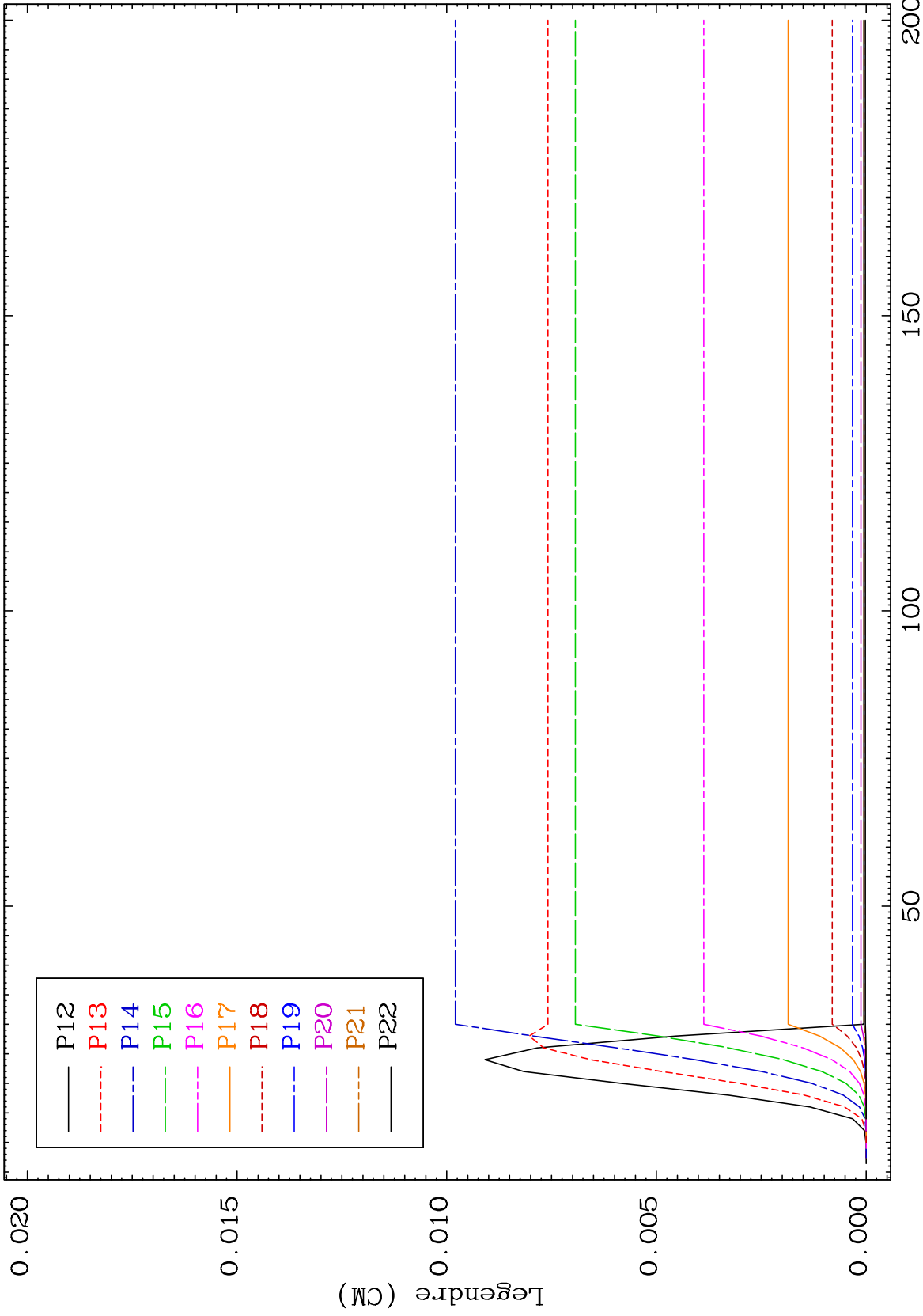
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 58 (n,n') Level
Legendre Coefficients

28-Ni-56



39

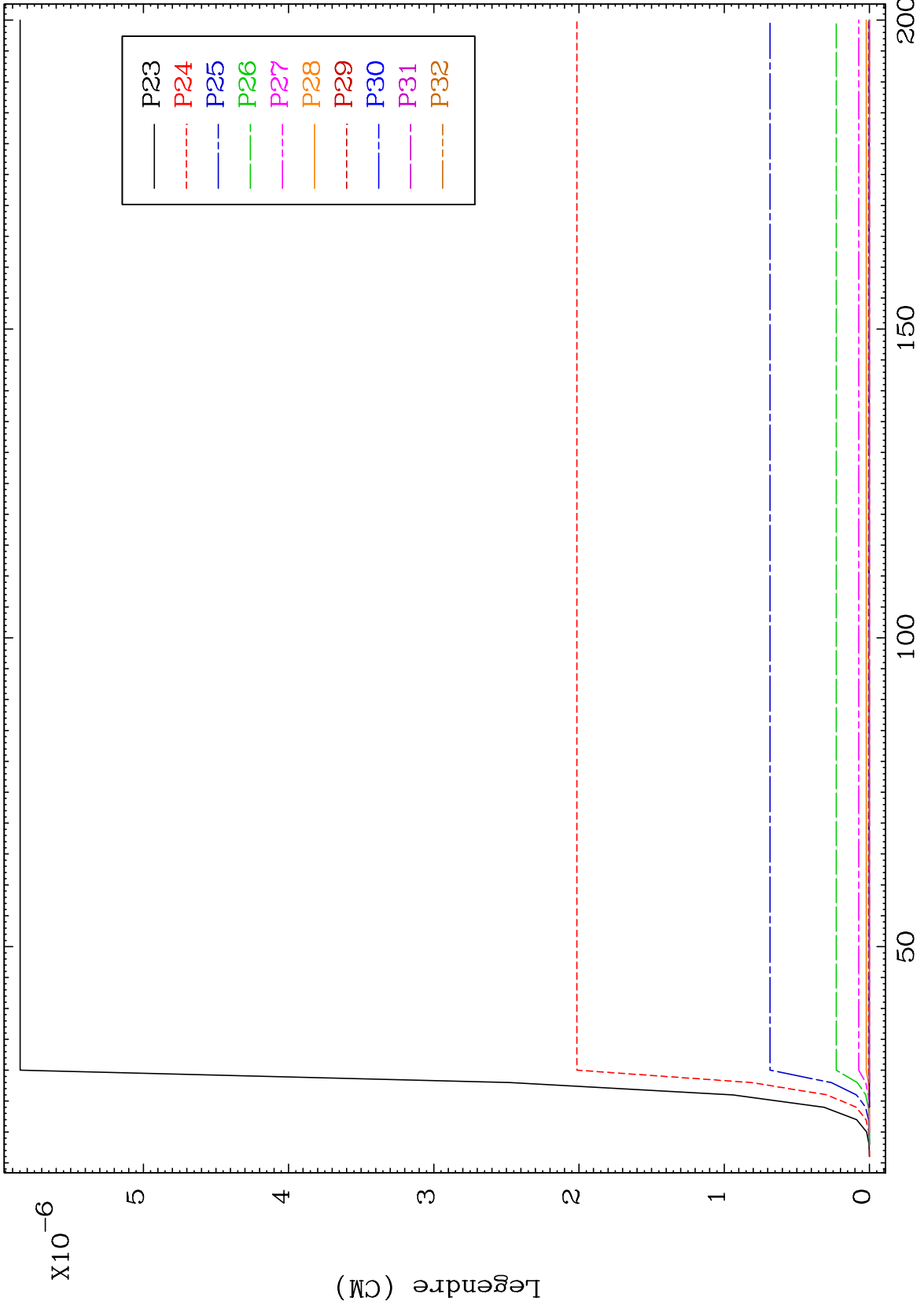
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 58 (n,n') Level
Legendre Coefficients

28-Ni-56



40

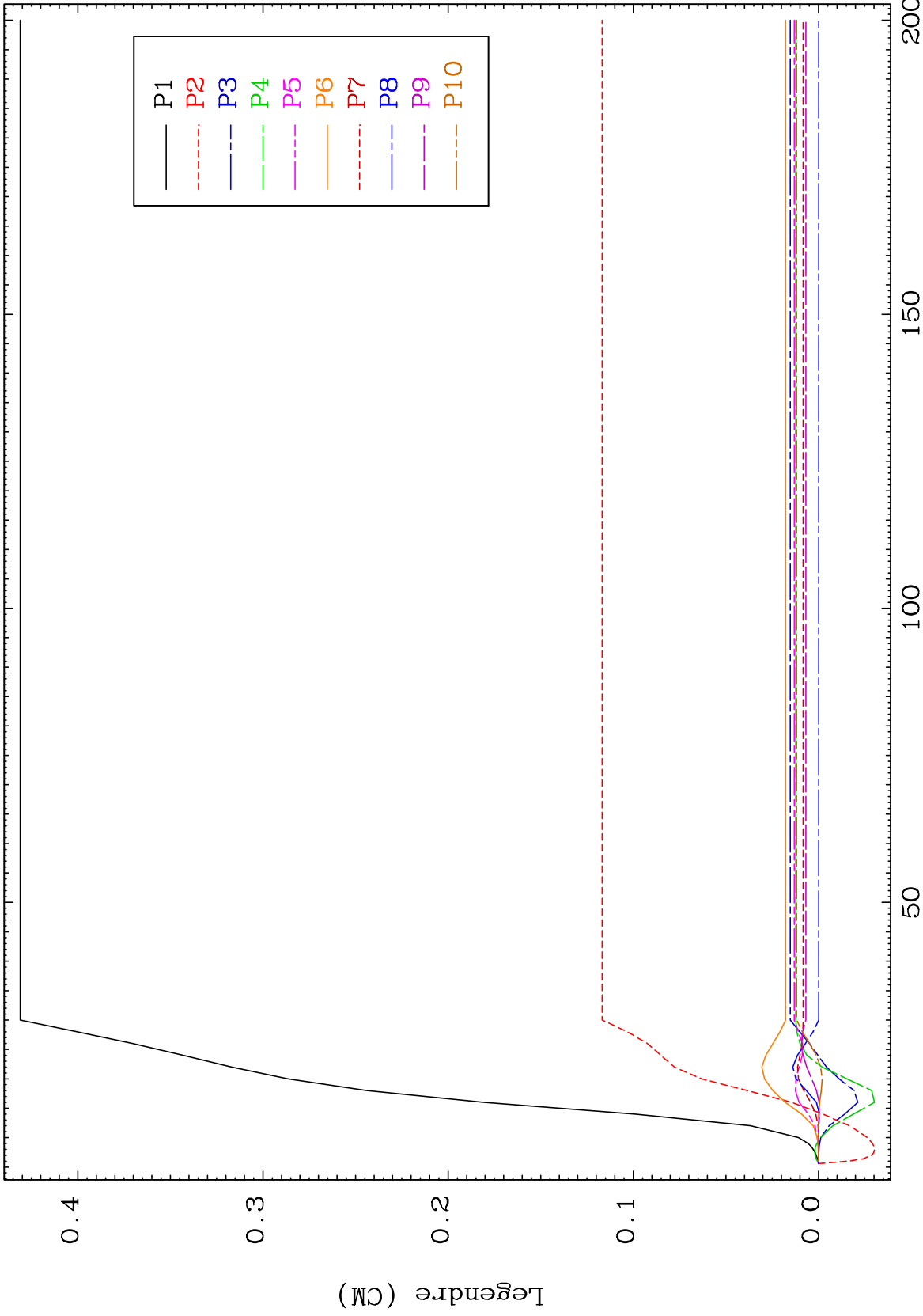
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 59 (n,n') Level
Legendre Coefficients

28-Ni-56



41

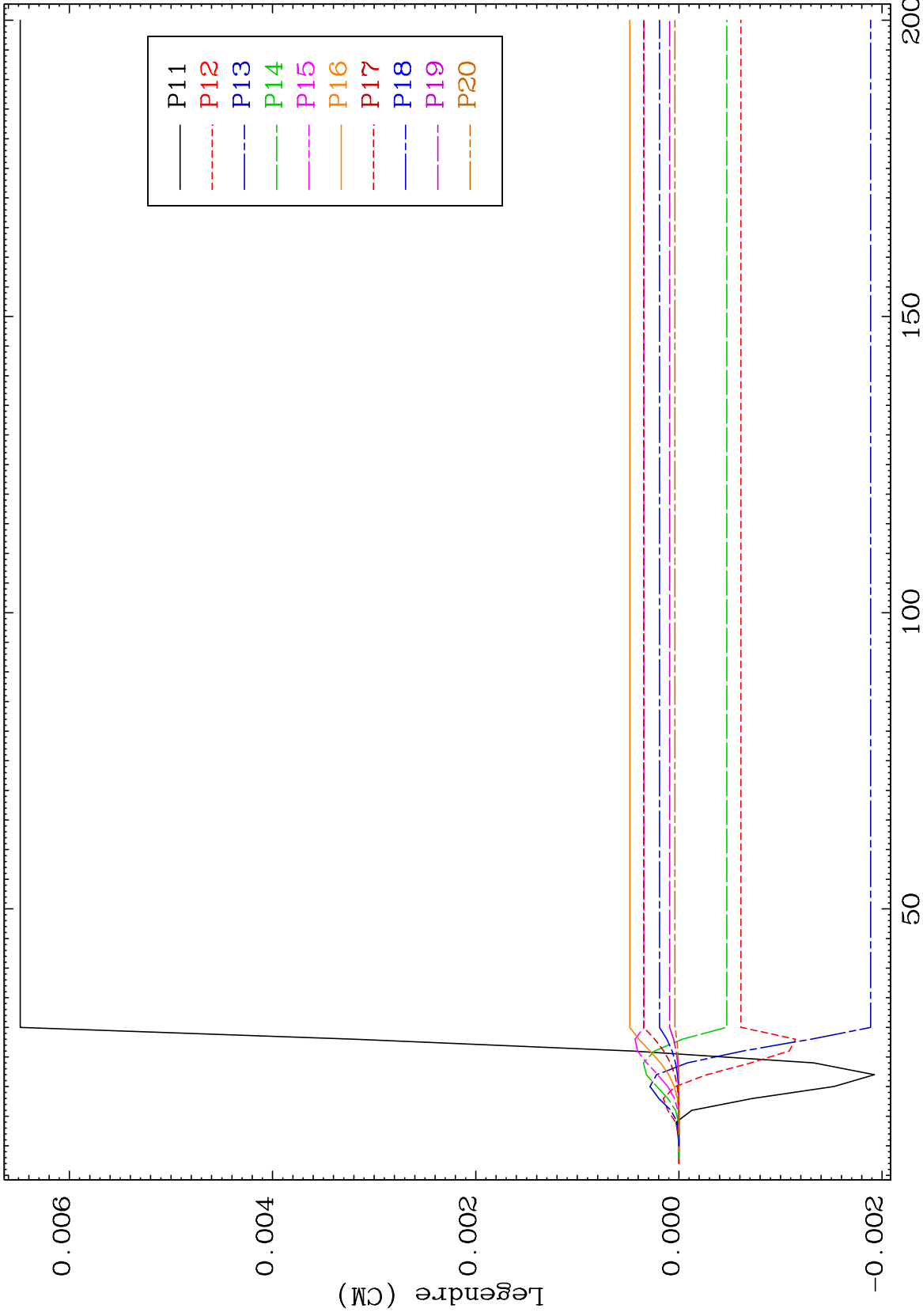
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 59 (n,n') Level
Legendre Coefficients

28-Ni-56



42

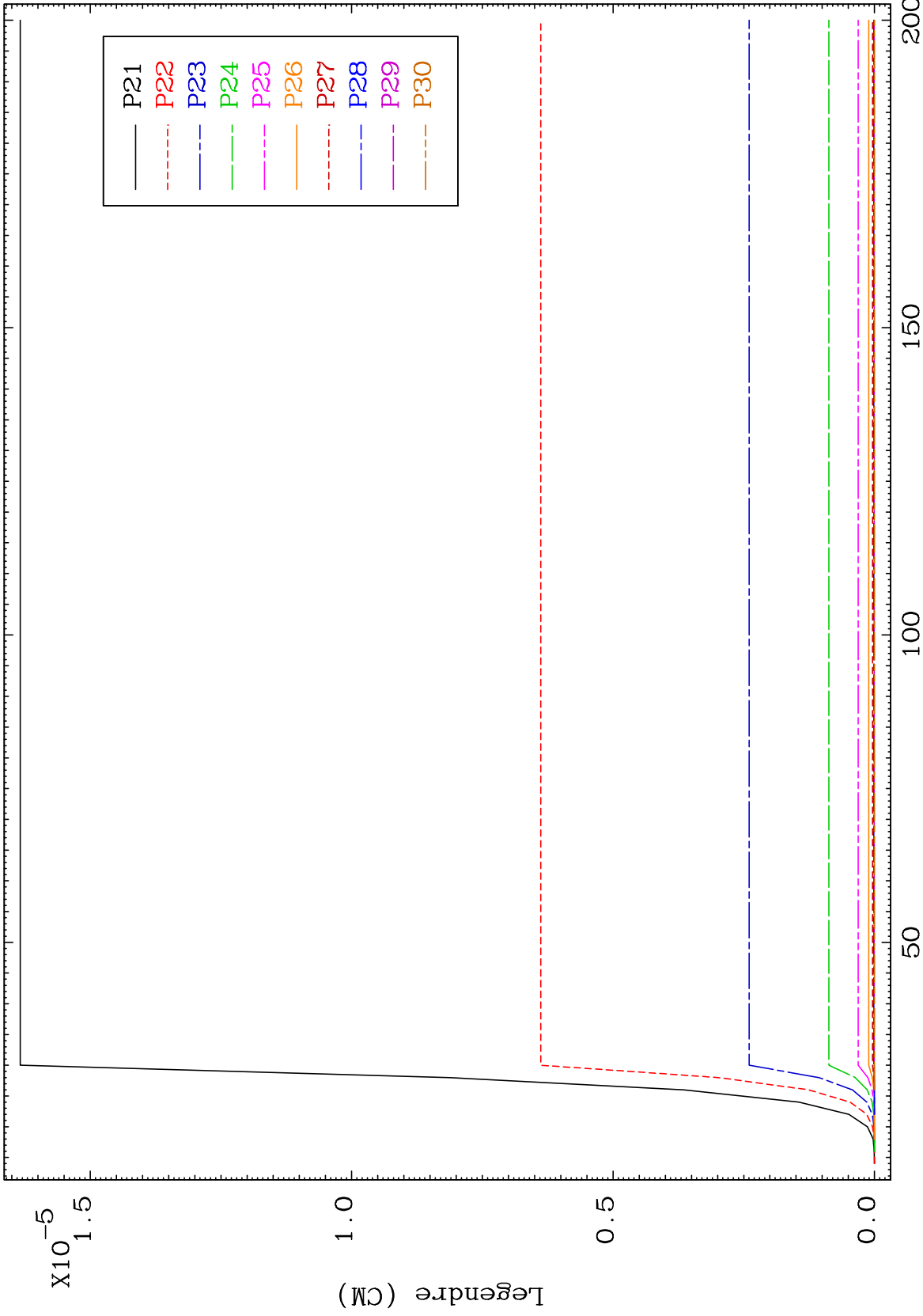
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 59 (n,n') Level
Legendre Coefficients

28-Ni-56



43

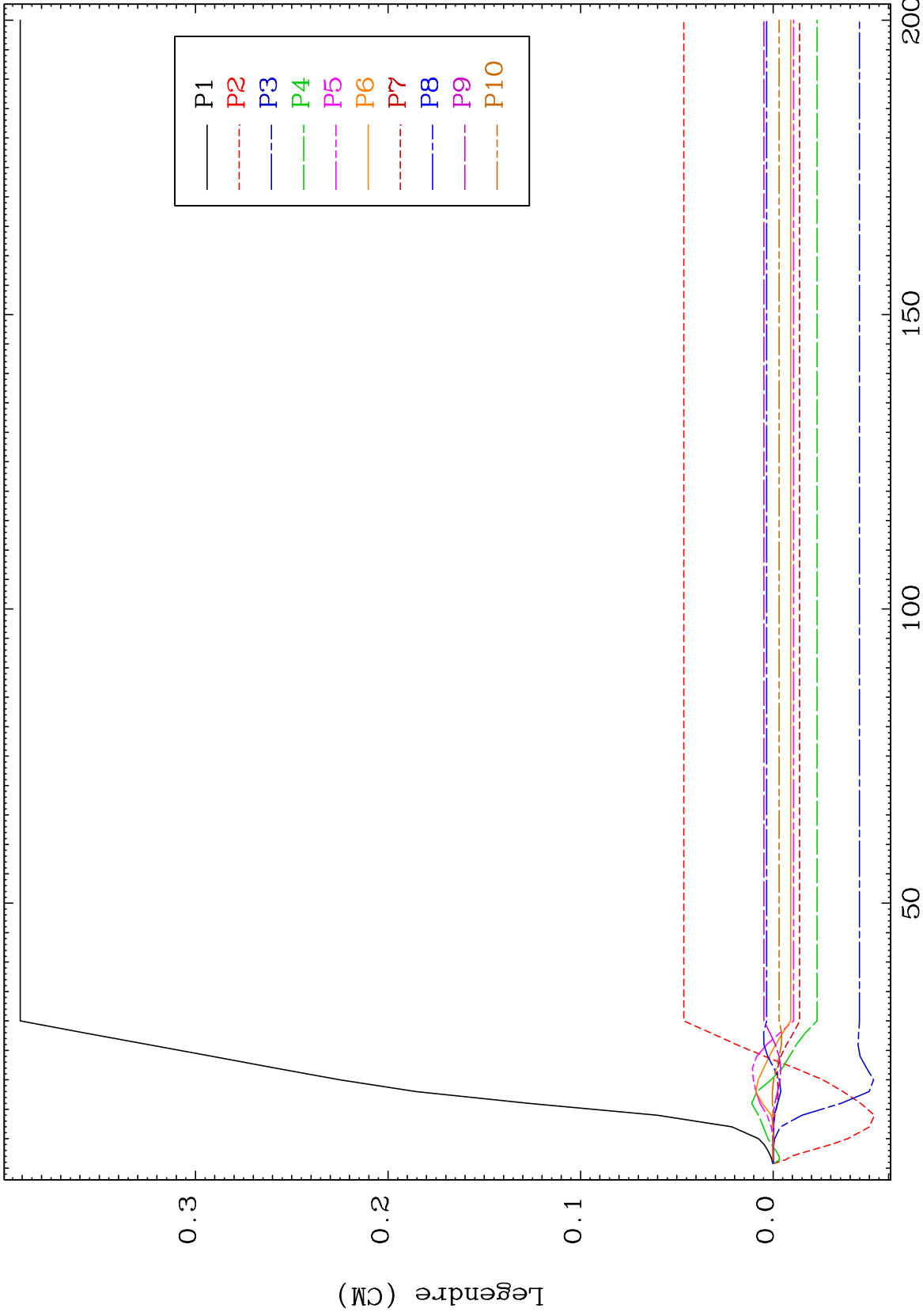
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 60 (n,n') Level
Legendre Coefficients

28-Ni-56



44

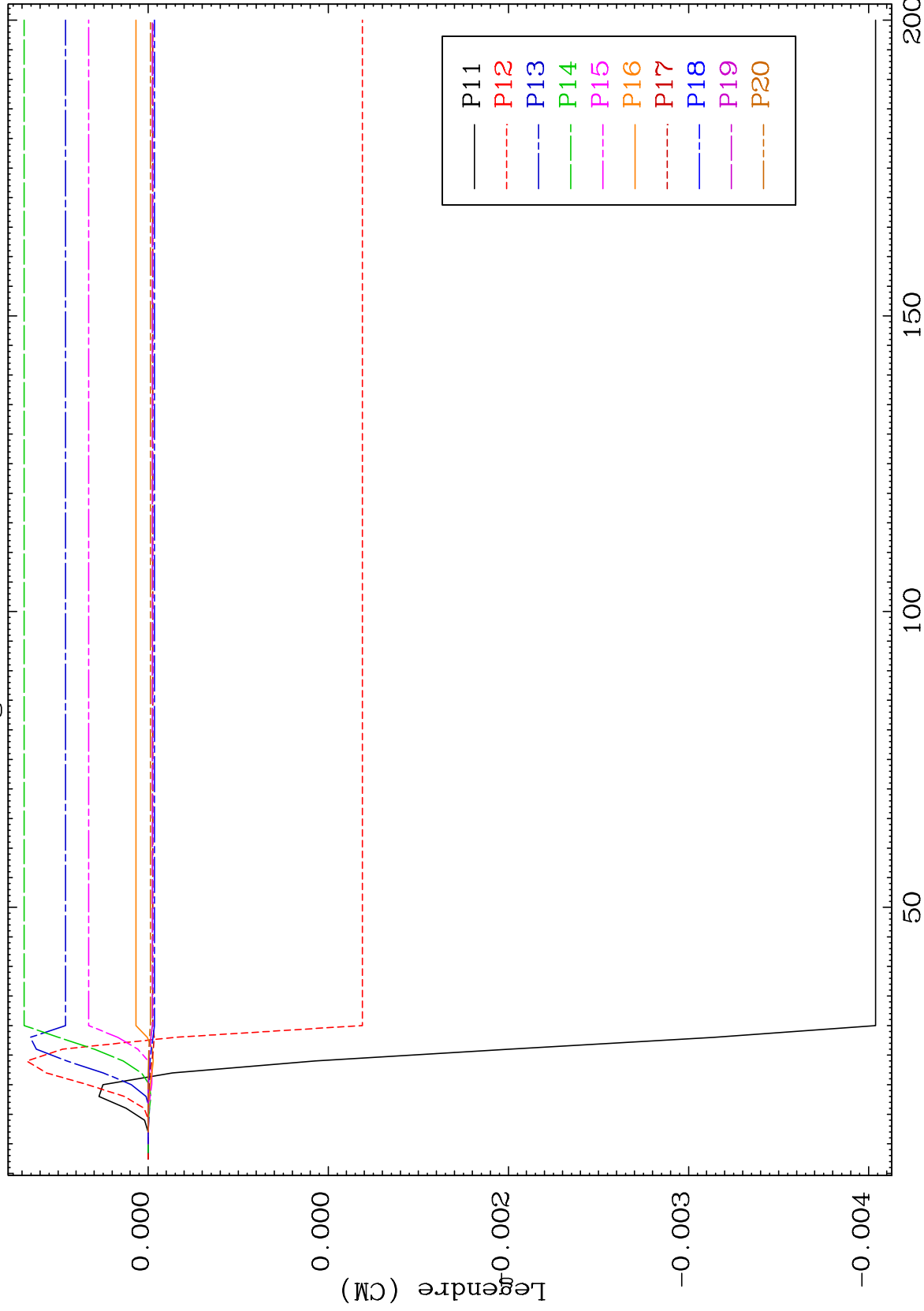
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 60 (n,n') Level
Legendre Coefficients

28-Ni-56

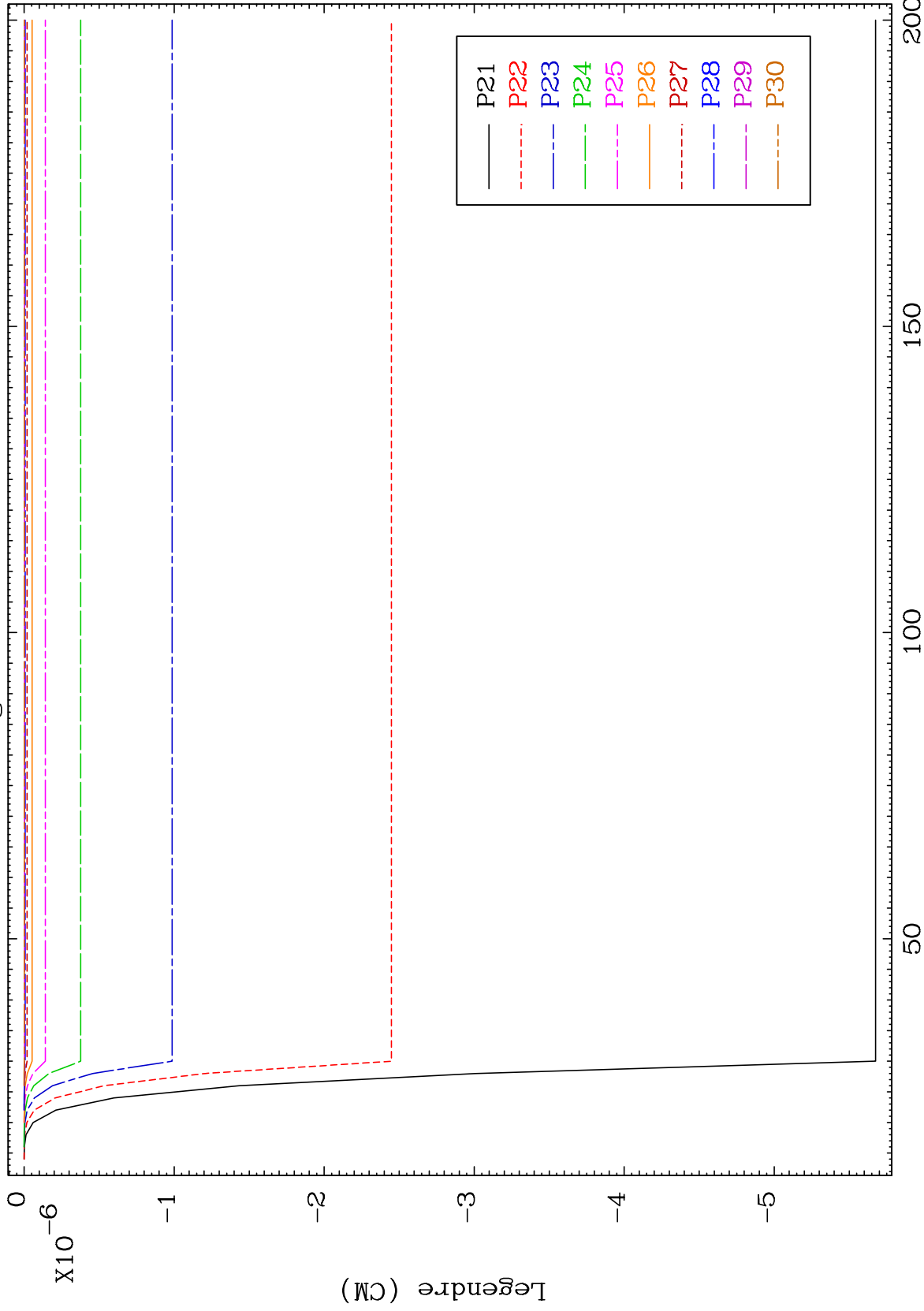


45

Incident Energy (MeV)

28-Ni-56

MAT 2819 MT= 60 (n,n') Level Legendre Coefficients 28-Ni-56

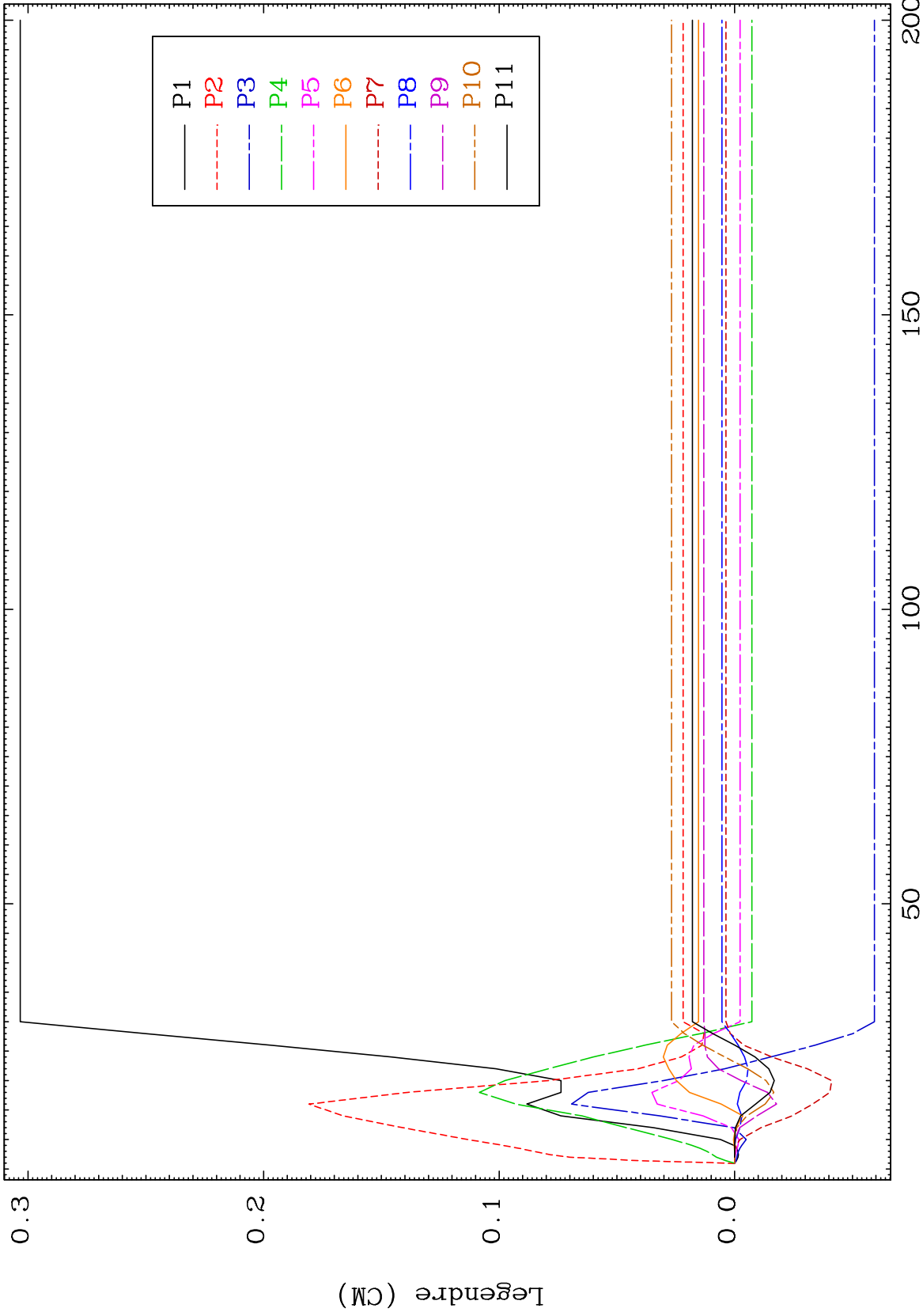


46 Incident Energy (MeV) 28-Ni-56

MAT 2819

MT= 61 (n,n') Level
Legendre Coefficients

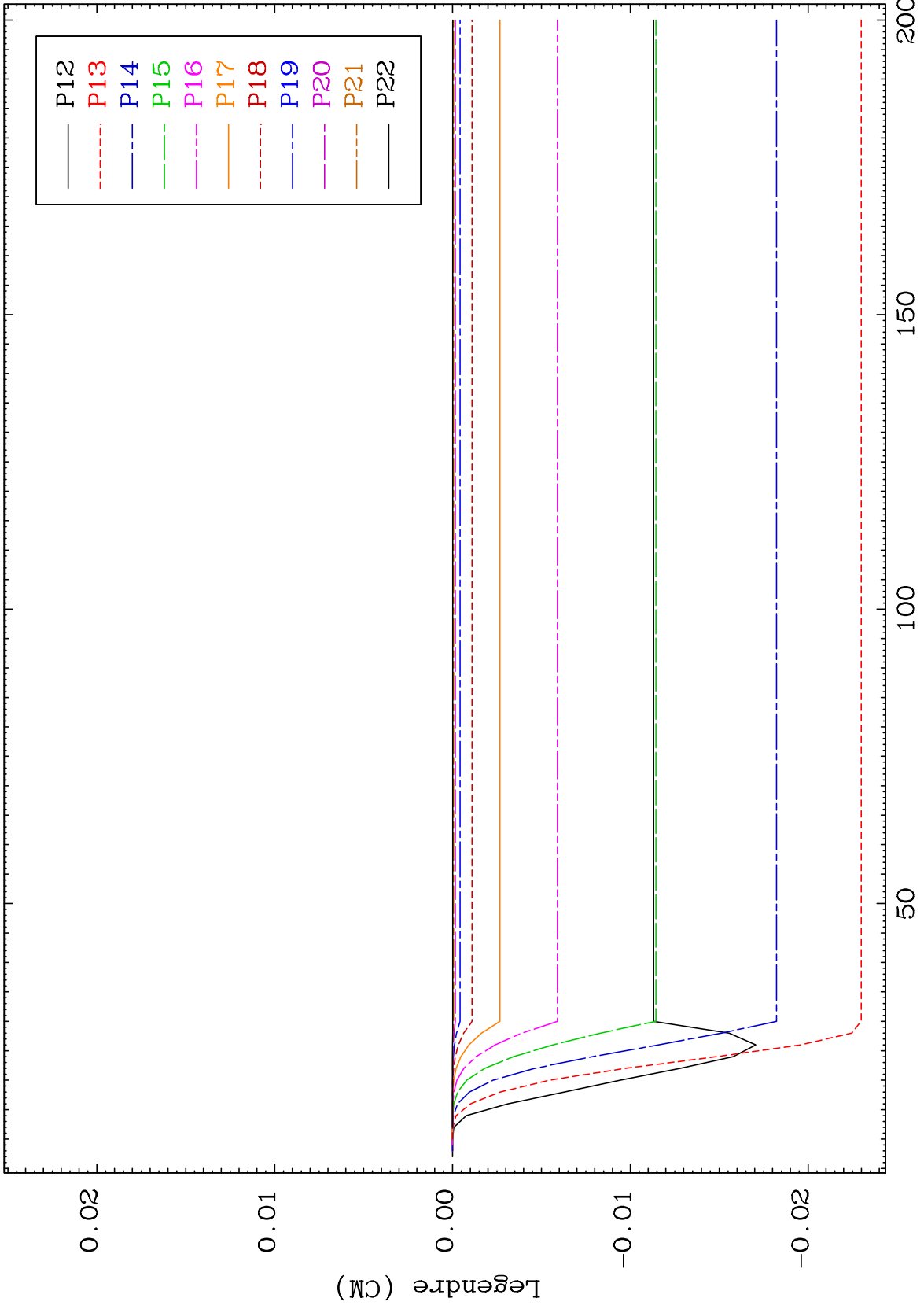
28-Ni-56



MAT 2819

MT= 61 (n,n') Level
Legendre Coefficients

28-Ni-56



48

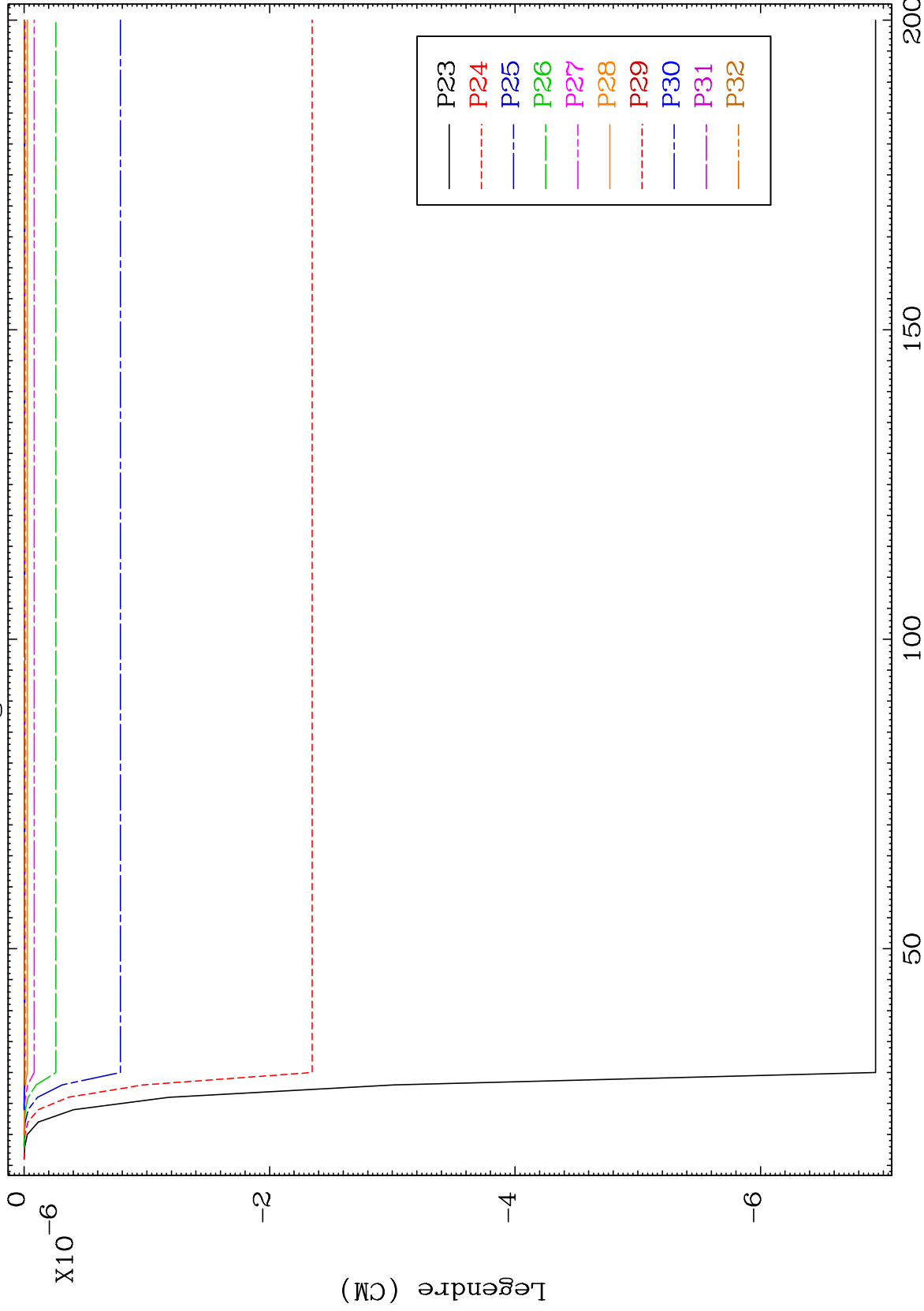
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 61 (n,n') Level
Legendre Coefficients

28-Ni-56



49

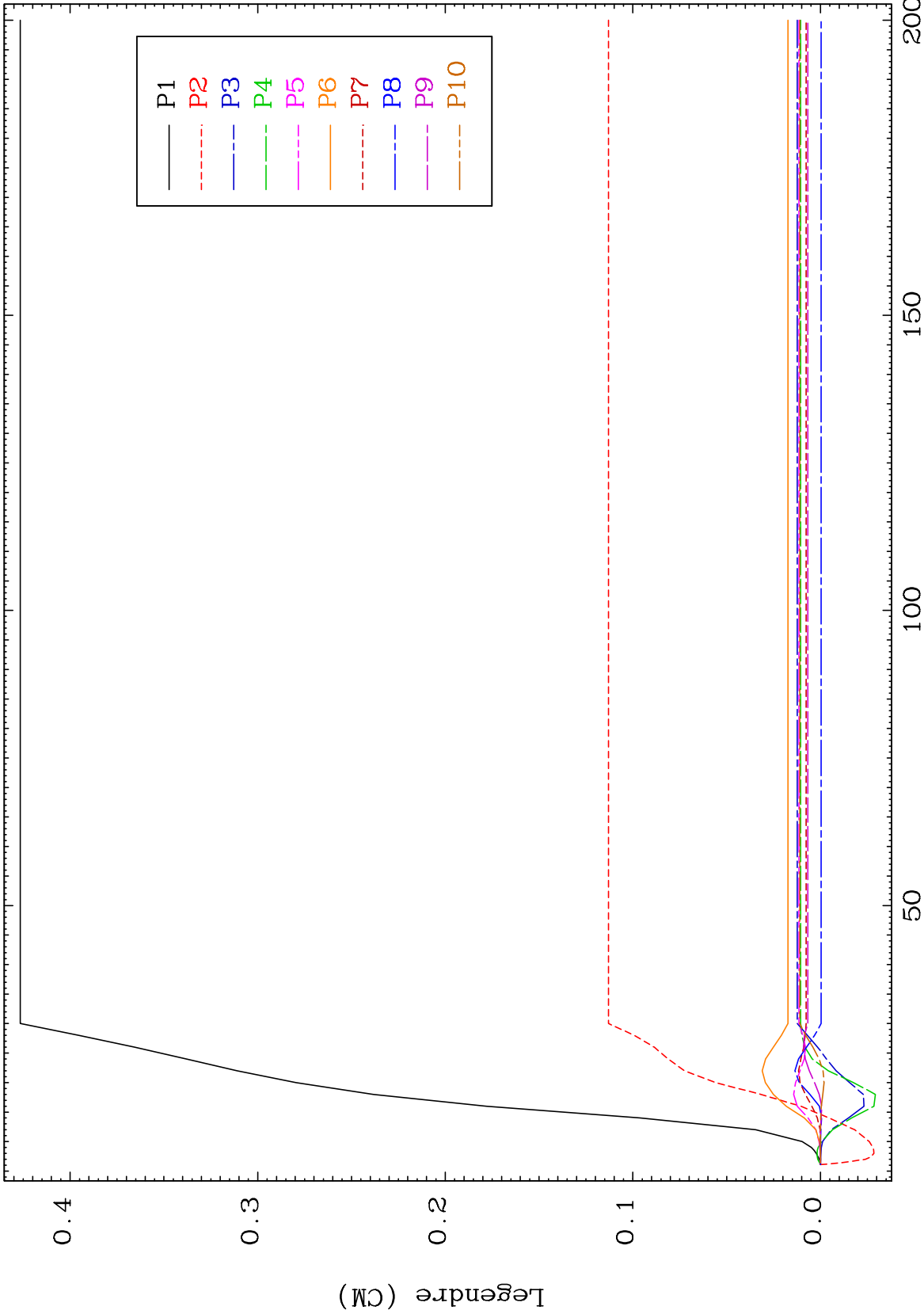
28-Ni-56

200

MAT 2819

MT= 62 (n,n') Level
Legendre Coefficients

28-Ni-56



50

50

100

150

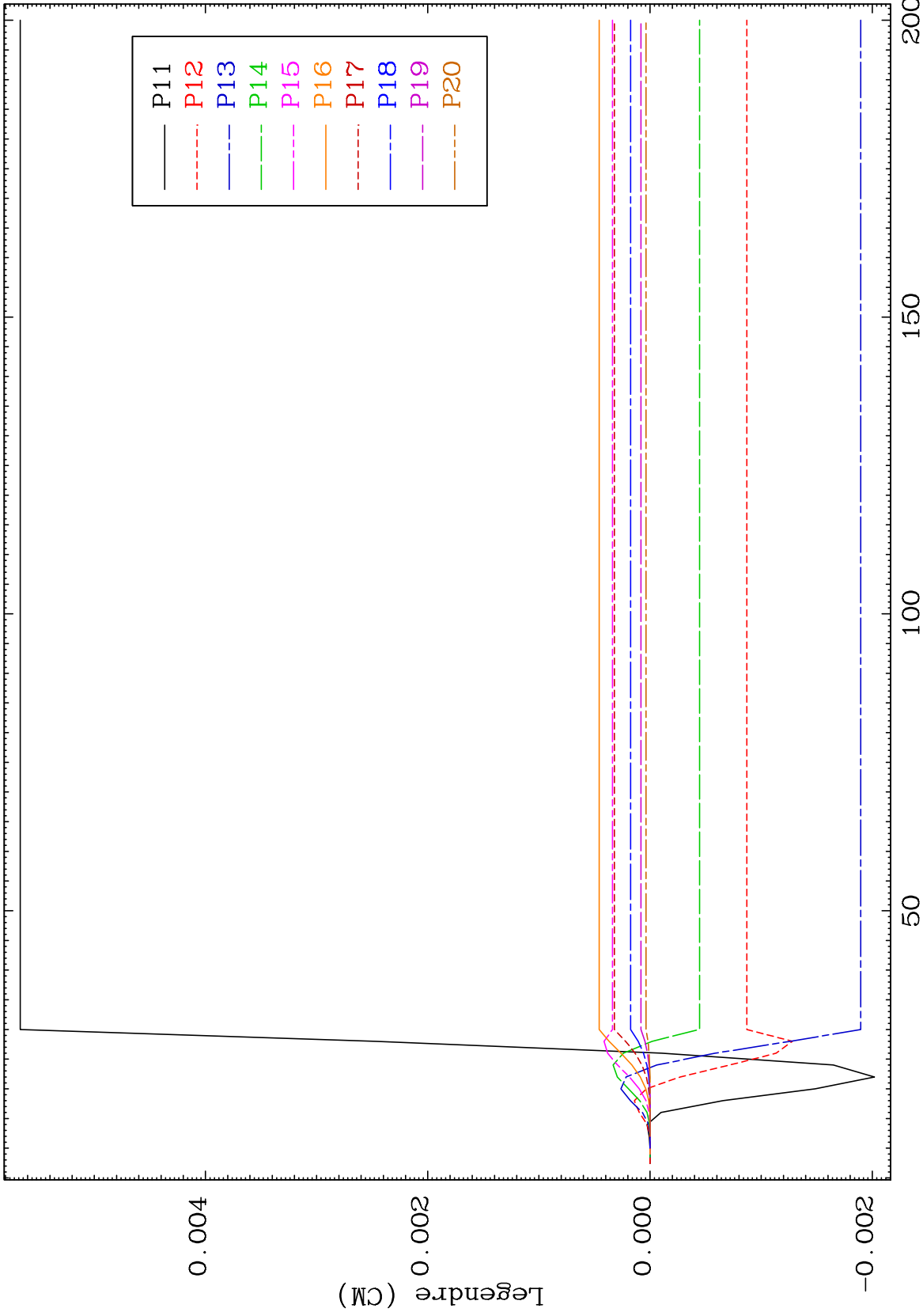
200

28-Ni-56

MAT 2819

MT= 62 (n,n') Level
Legendre Coefficients

28-Ni-56



51

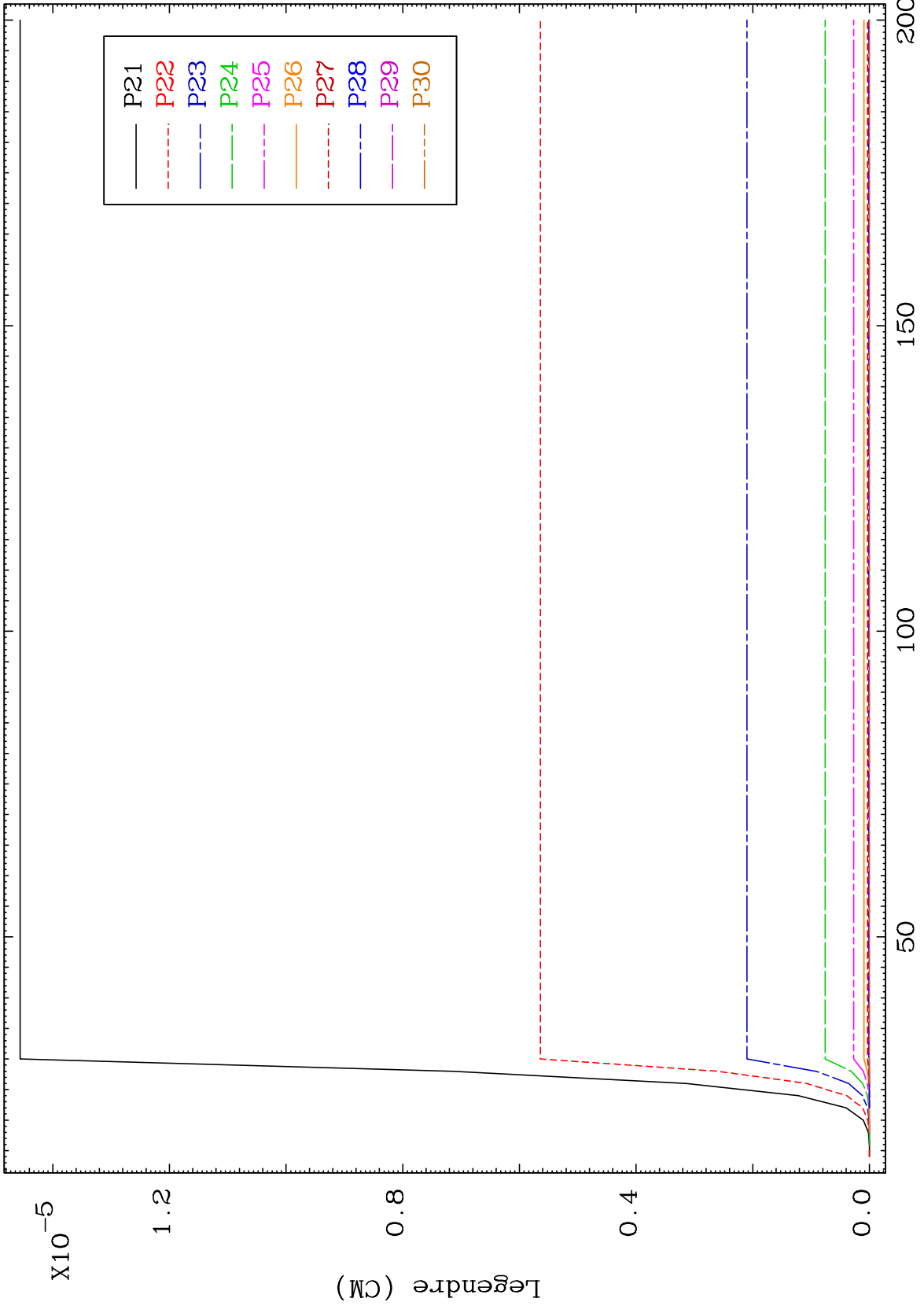
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 62 (n,n') Level
Legendre Coefficients

28-Ni-56



52

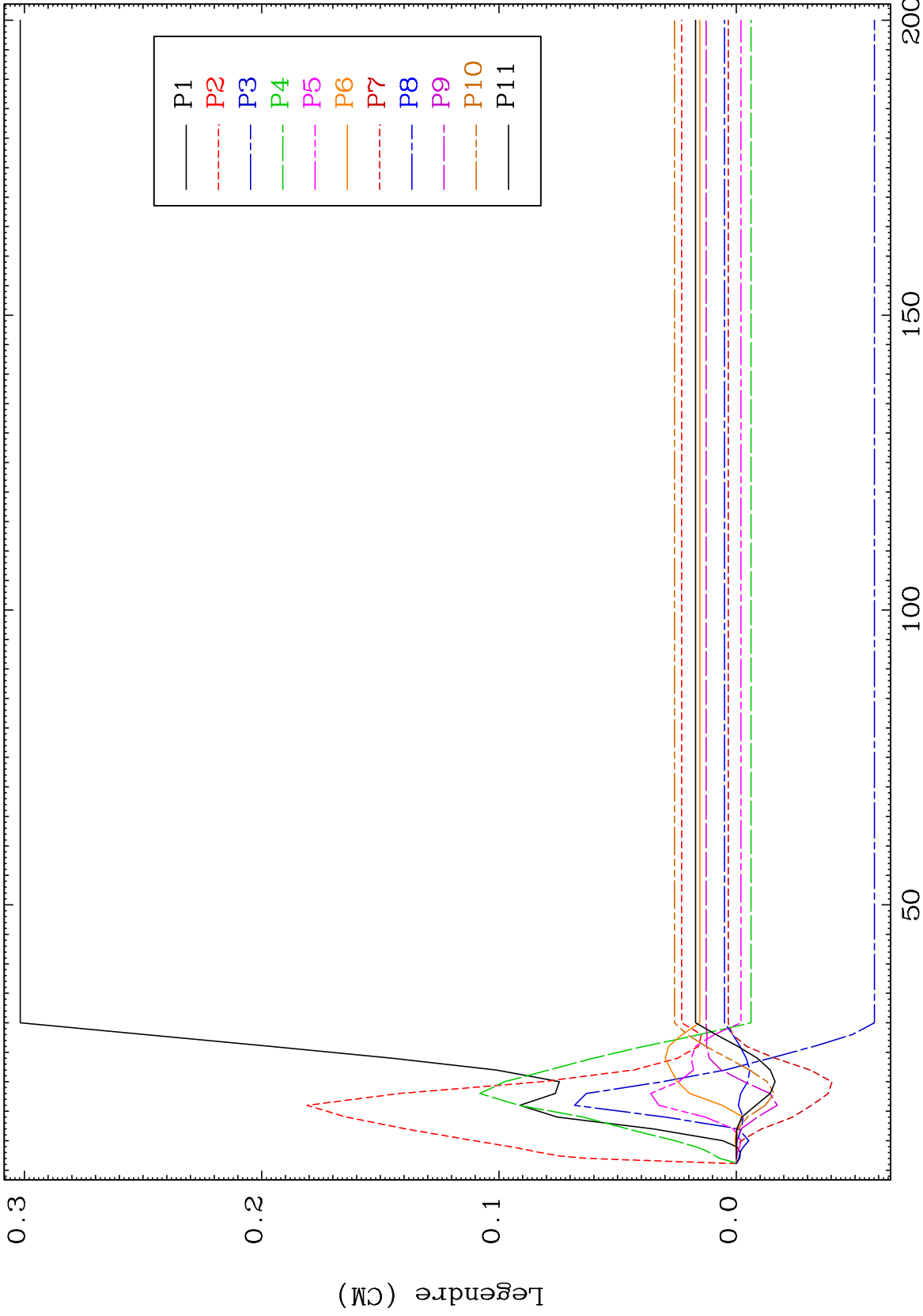
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 63 (n,n') Level
Legendre Coefficients

28-Ni-56



53

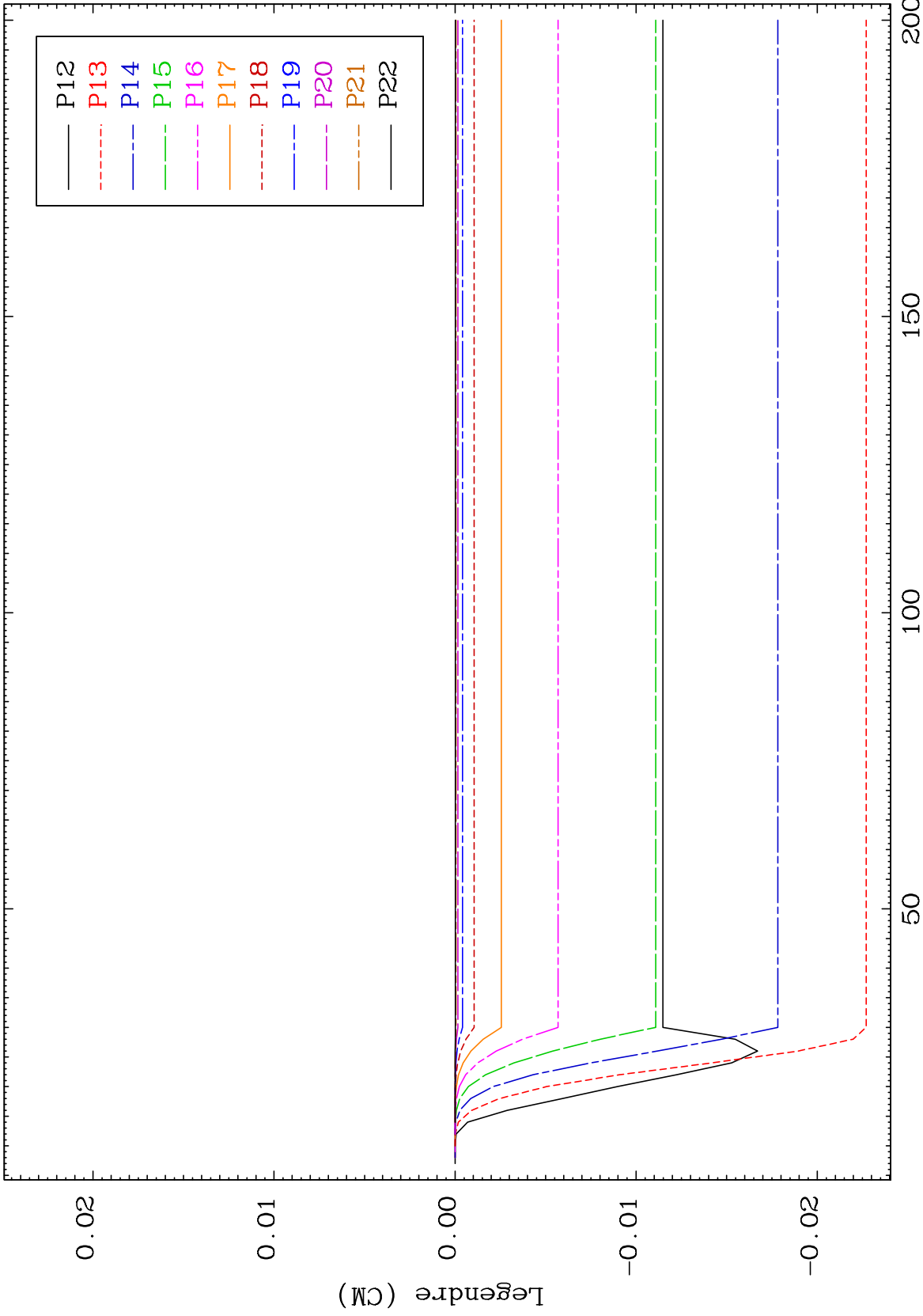
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 63 (n,n') Level
Legendre Coefficients

28-Ni-56



54

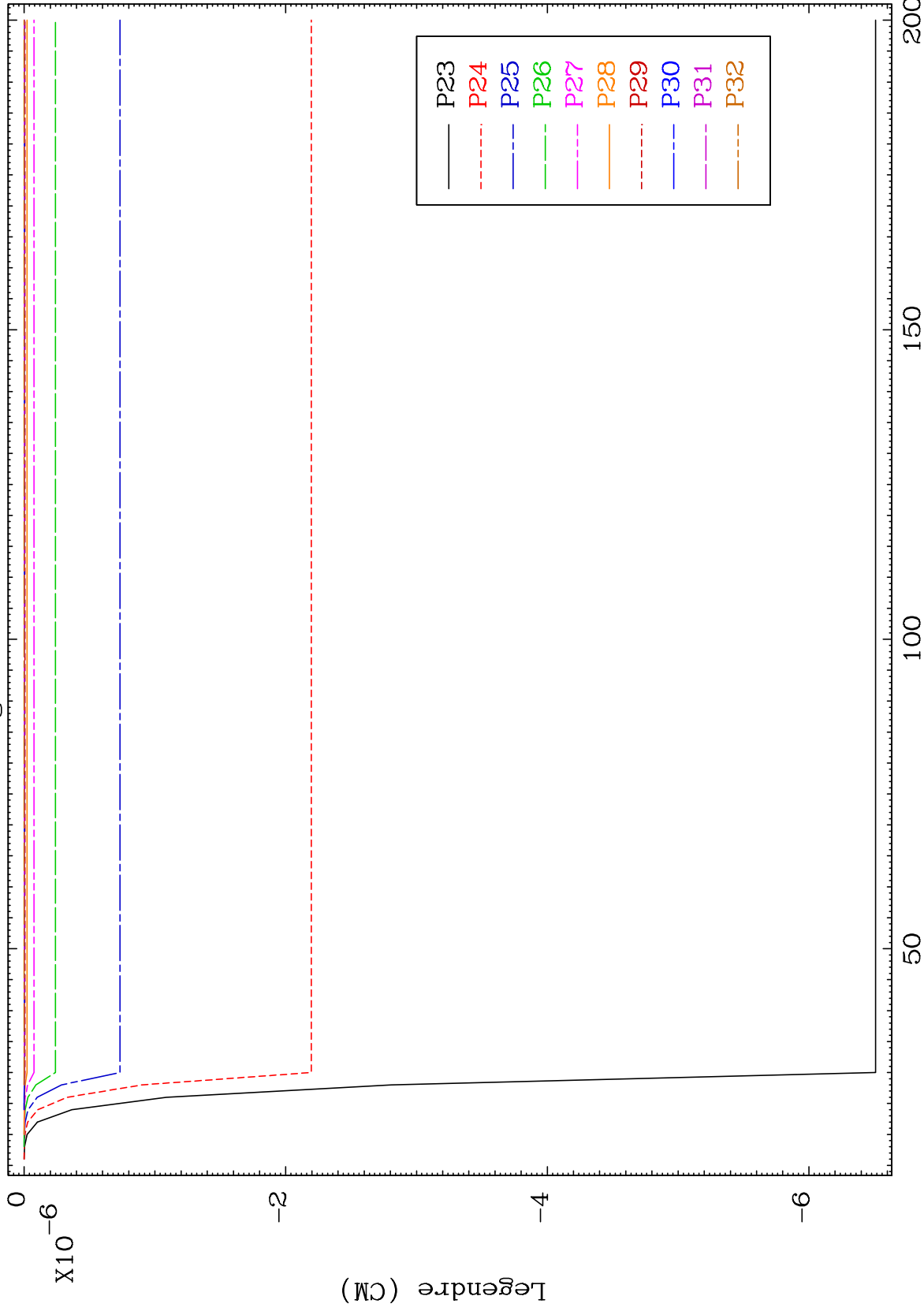
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 63 (n,n') Level
Legendre Coefficients

28-Ni-56



28-Ni-56

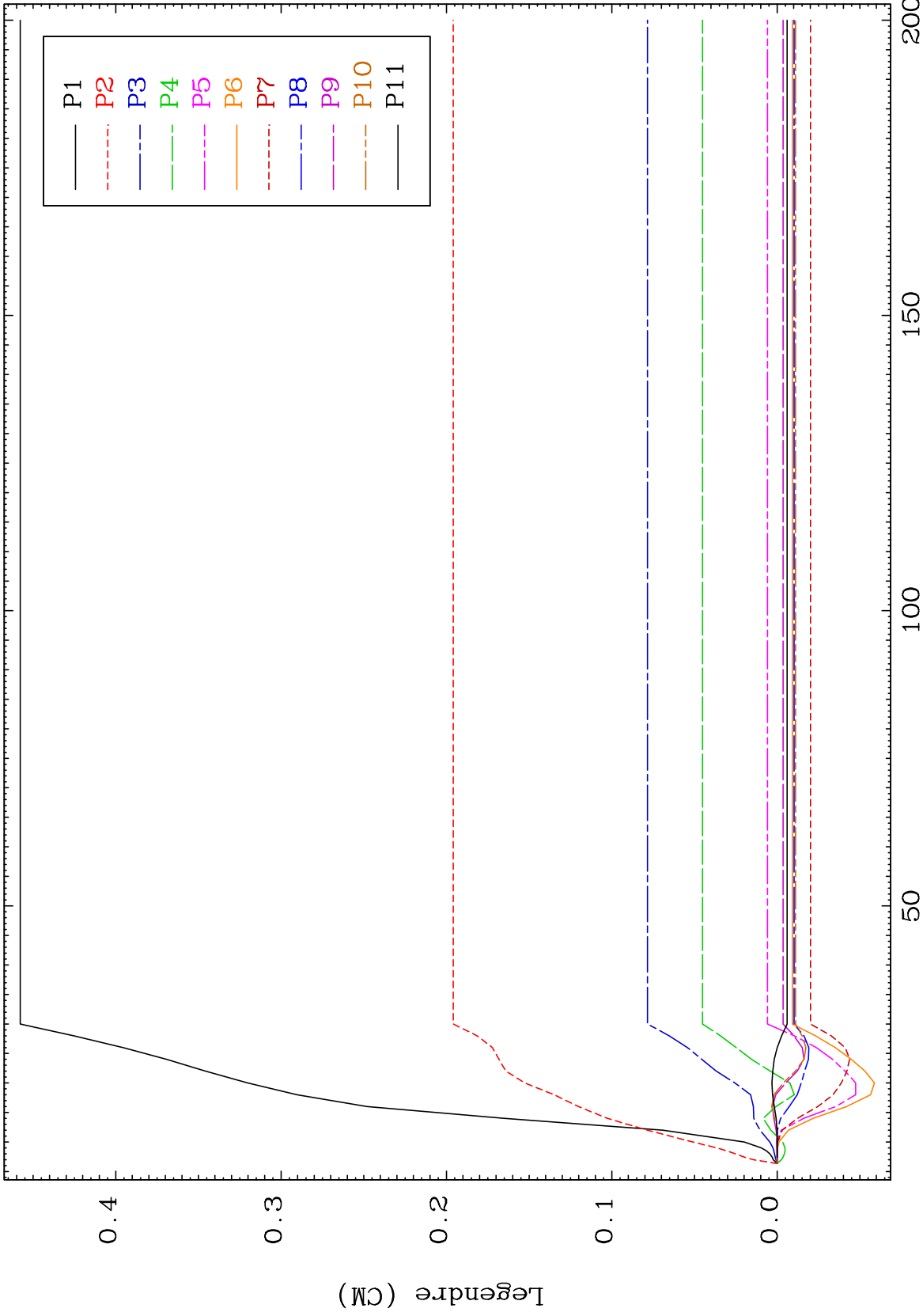
Incident Energy (MeV)

55

MAT 2819

MT= 64 (n,n') Level
Legendre Coefficients

28-Ni-56



56

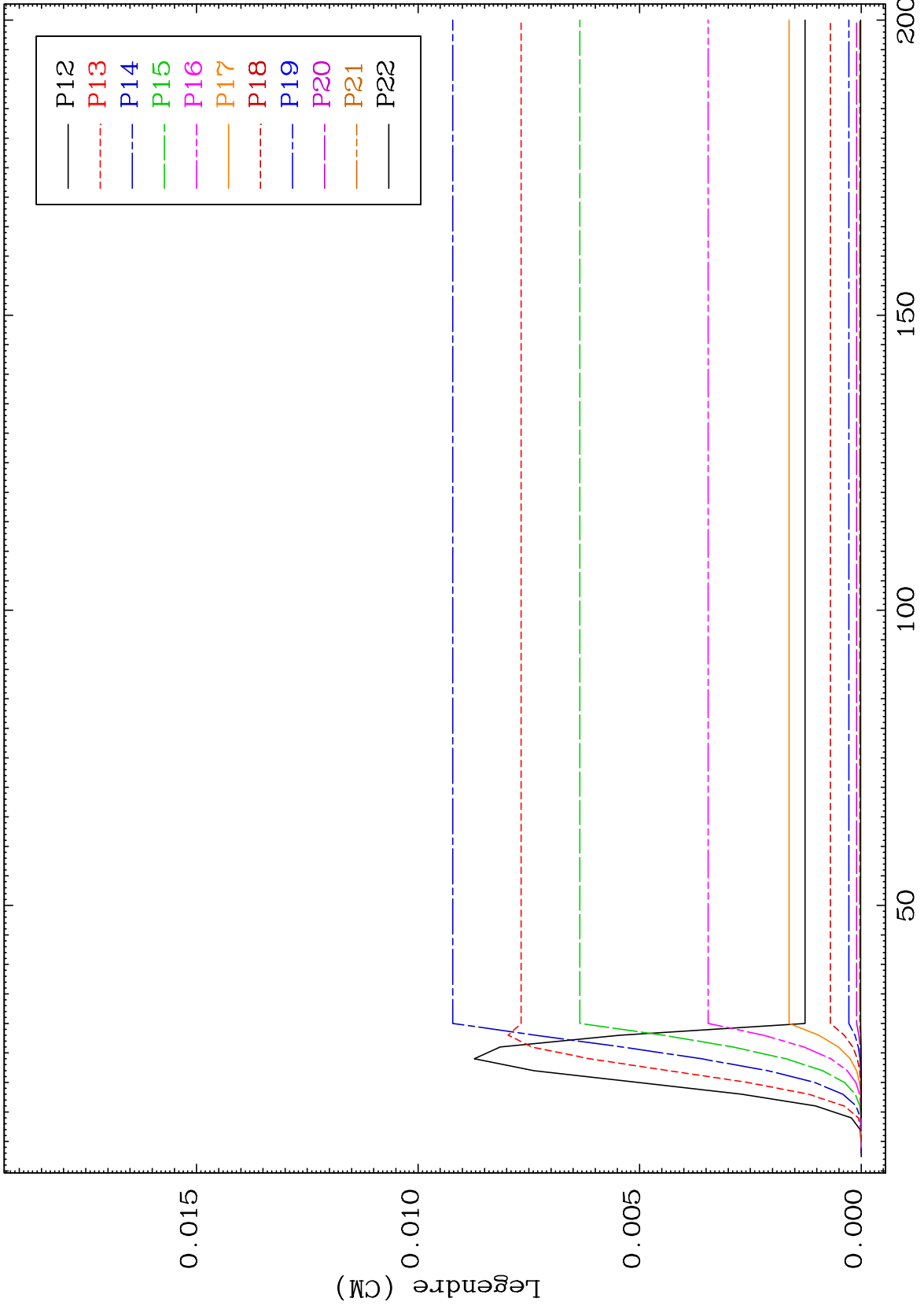
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 64 (n,n') Level
Legendre Coefficients

28-Ni-56



57

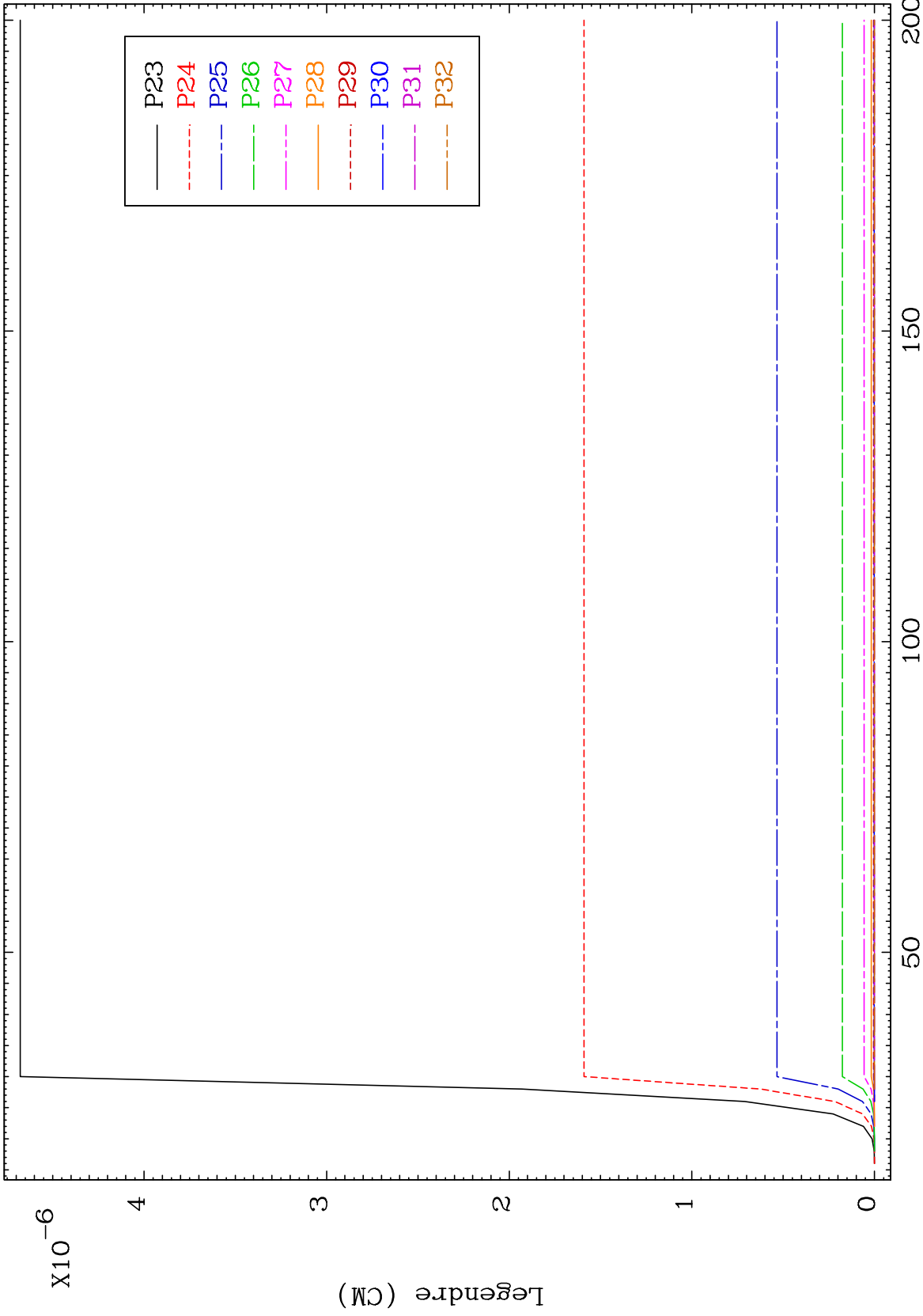
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 64 (n,n') Level
Legendre Coefficients

28-Ni-56



58

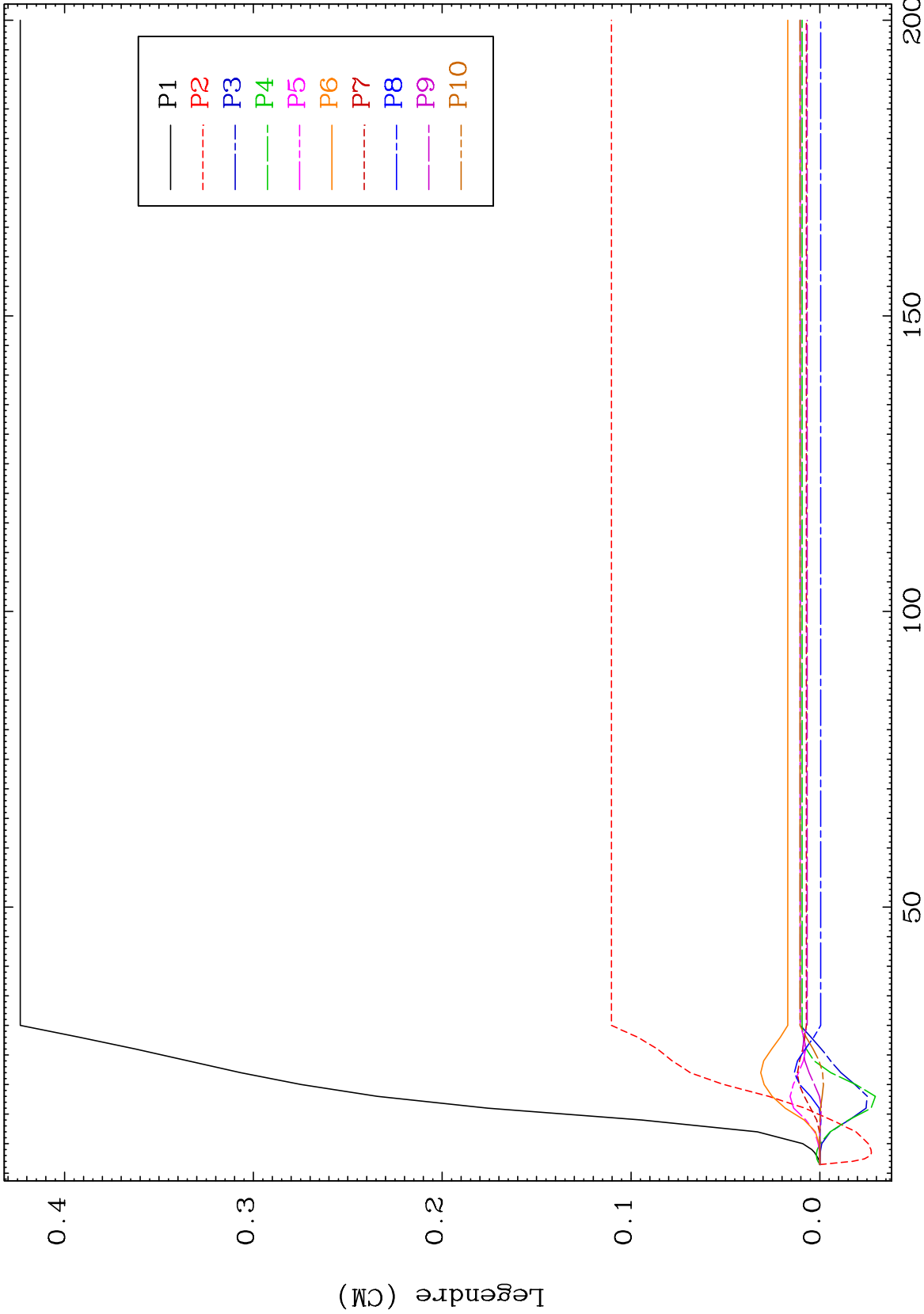
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 65 (n,n') Level
Legendre Coefficients

28-Ni-56



59

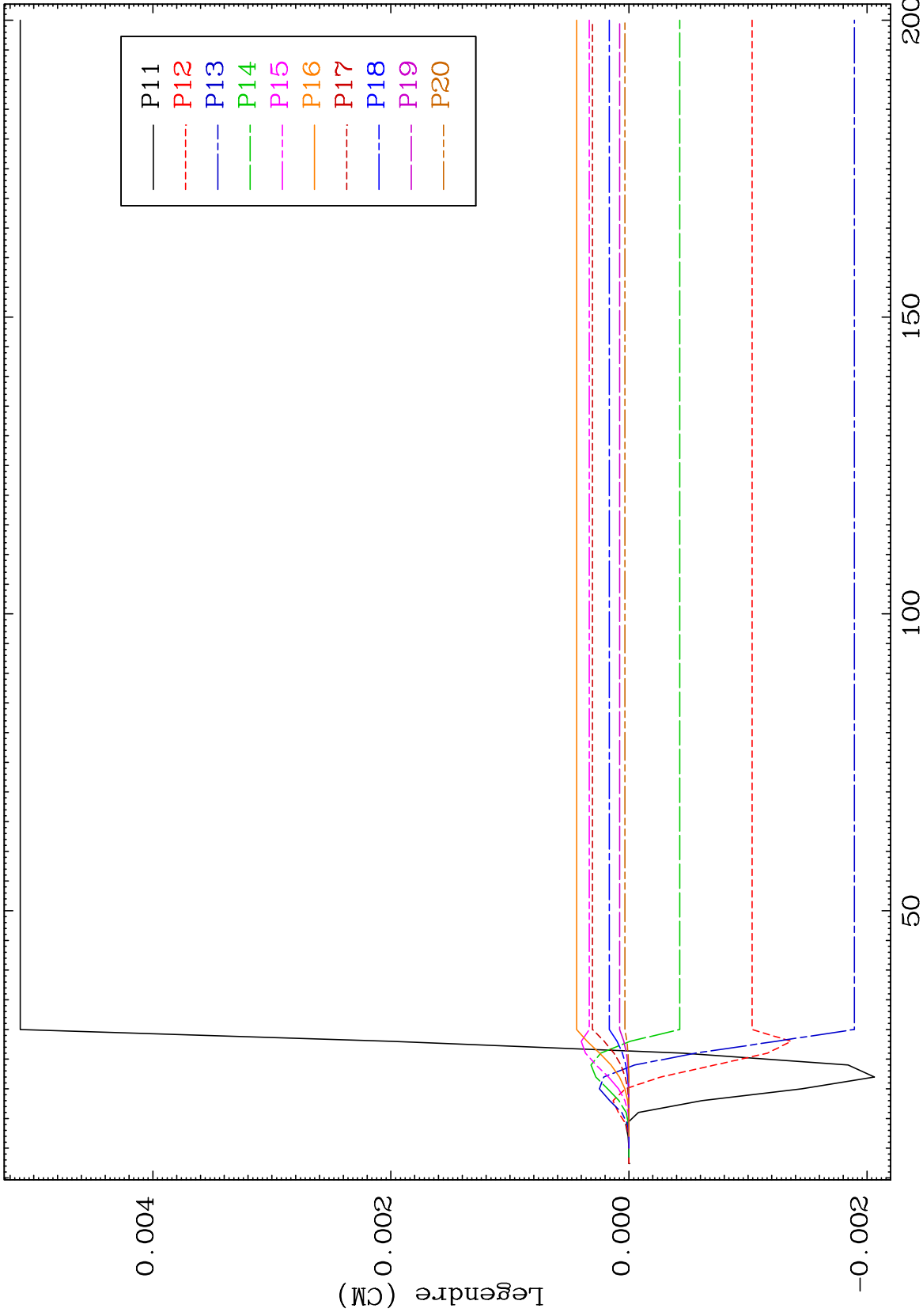
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 65 (n,n') Level
Legendre Coefficients

28-Ni-56



60

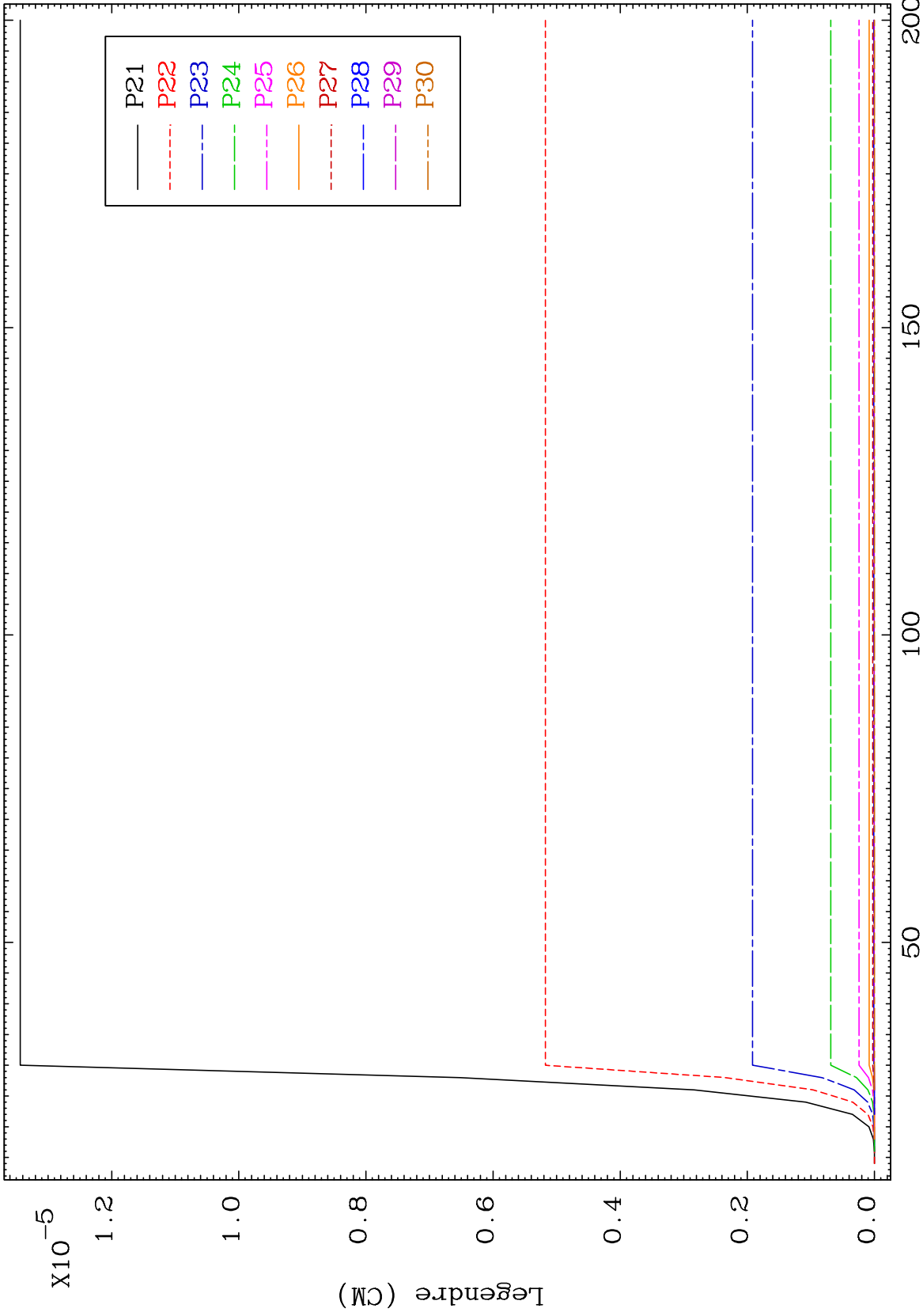
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 65 (n,n') Level
Legendre Coefficients

28-Ni-56



61

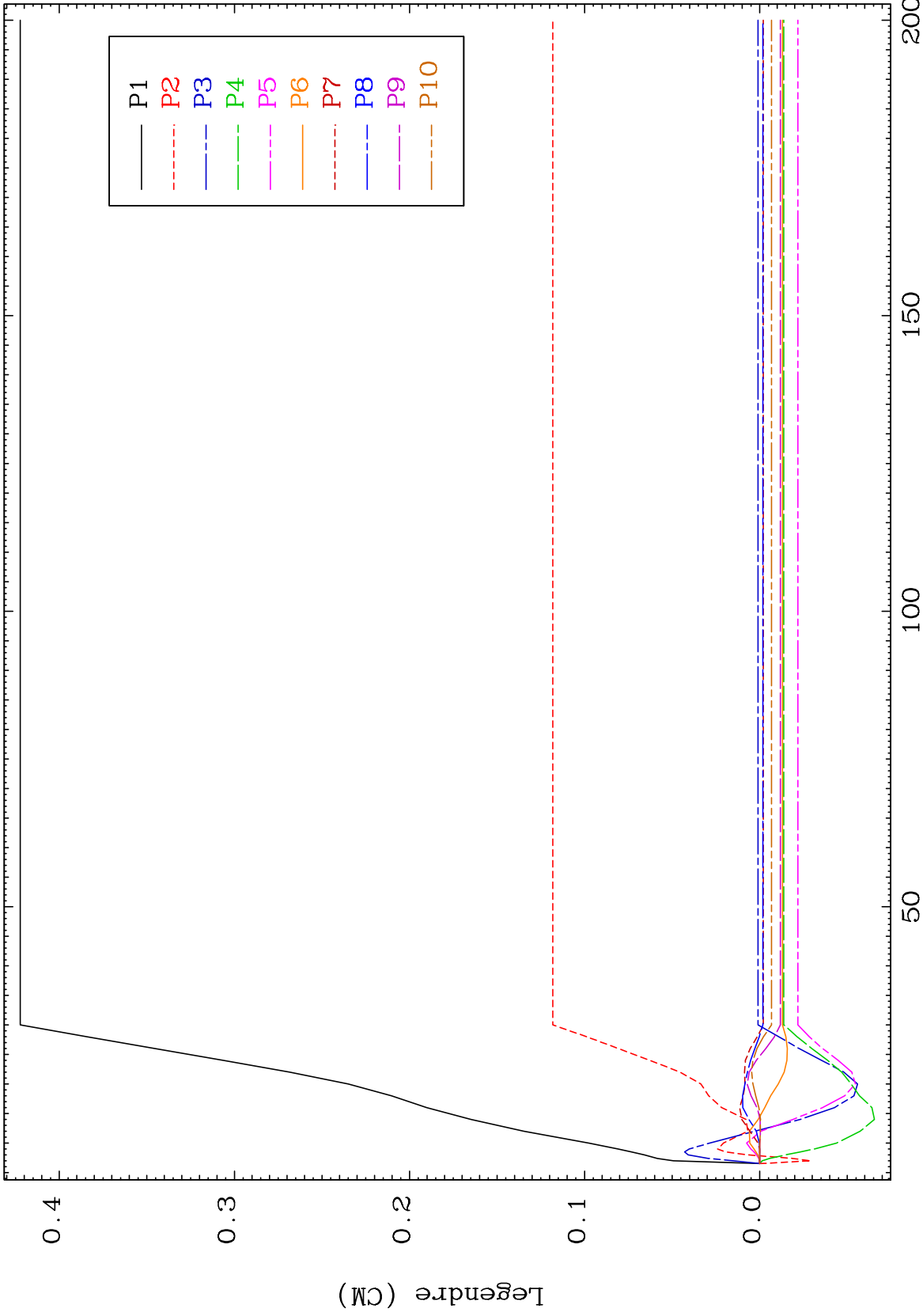
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 66 (n,n') Level
Legendre Coefficients

28-Ni-56



62

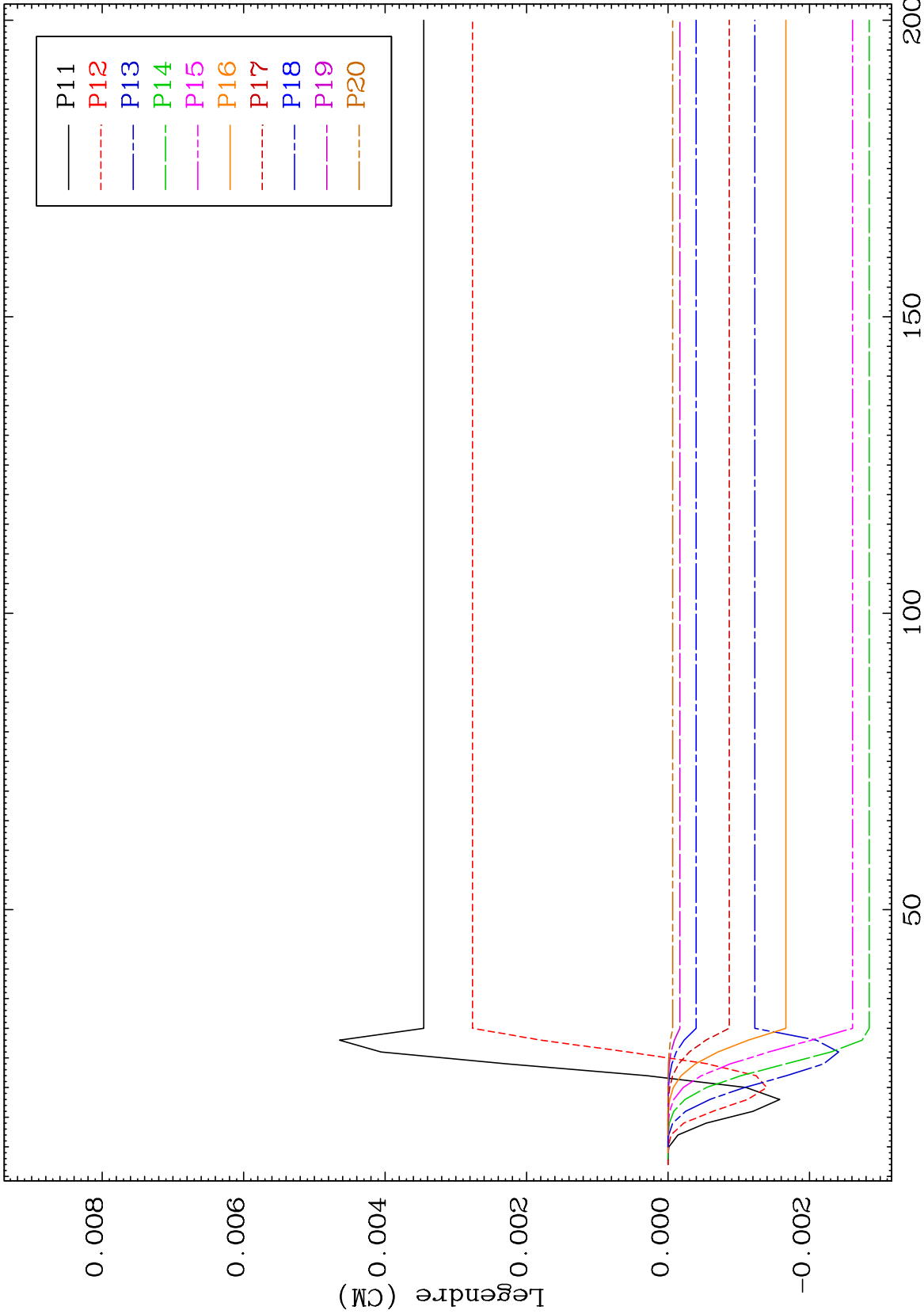
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 66 (n,n') Level
Legendre Coefficients

28-Ni-56



63

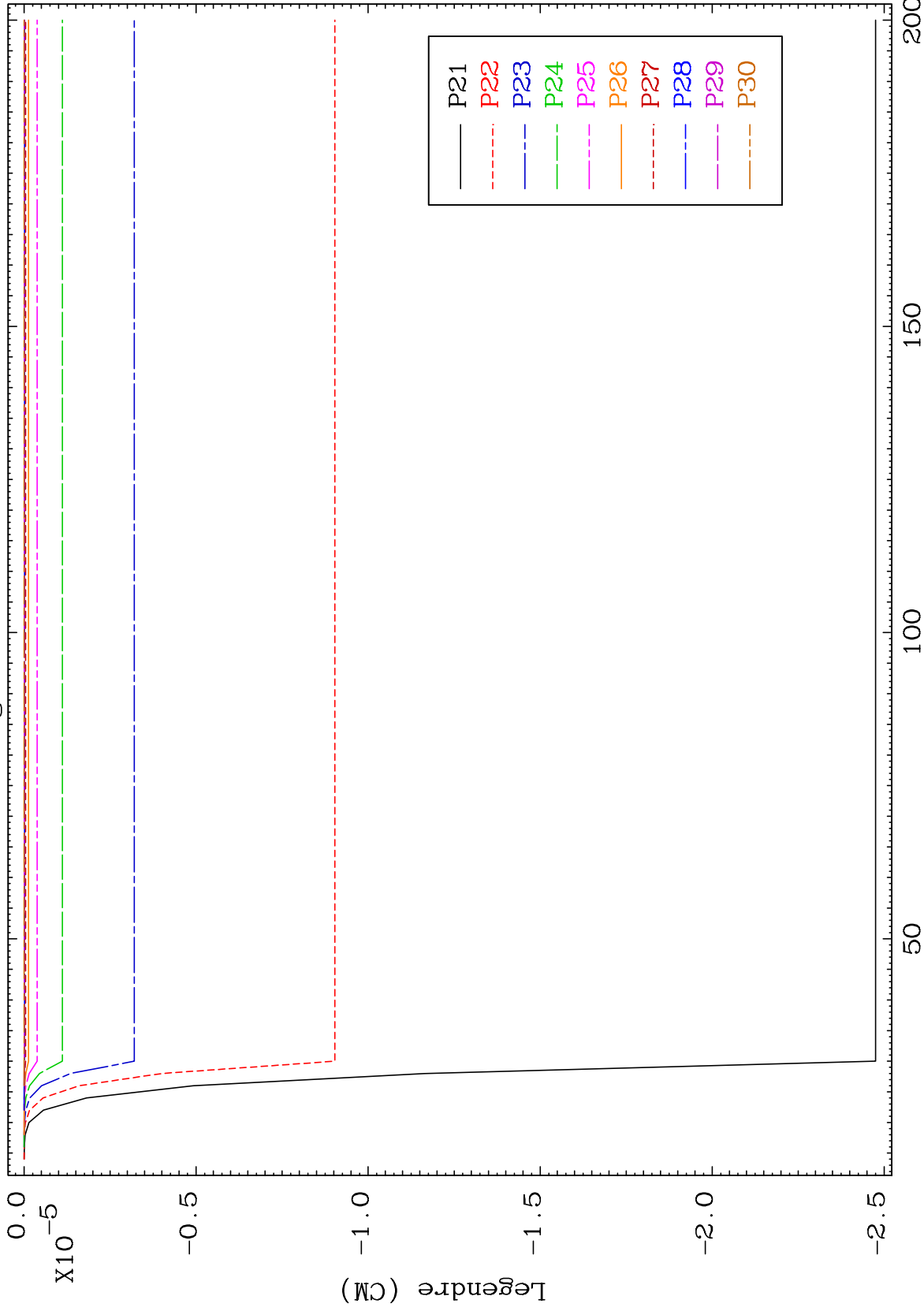
Incident Energy (MeV)

28-Ni-56

MAT 2819

MT= 66 (n,n') Level
Legendre Coefficients

28-Ni-56



64

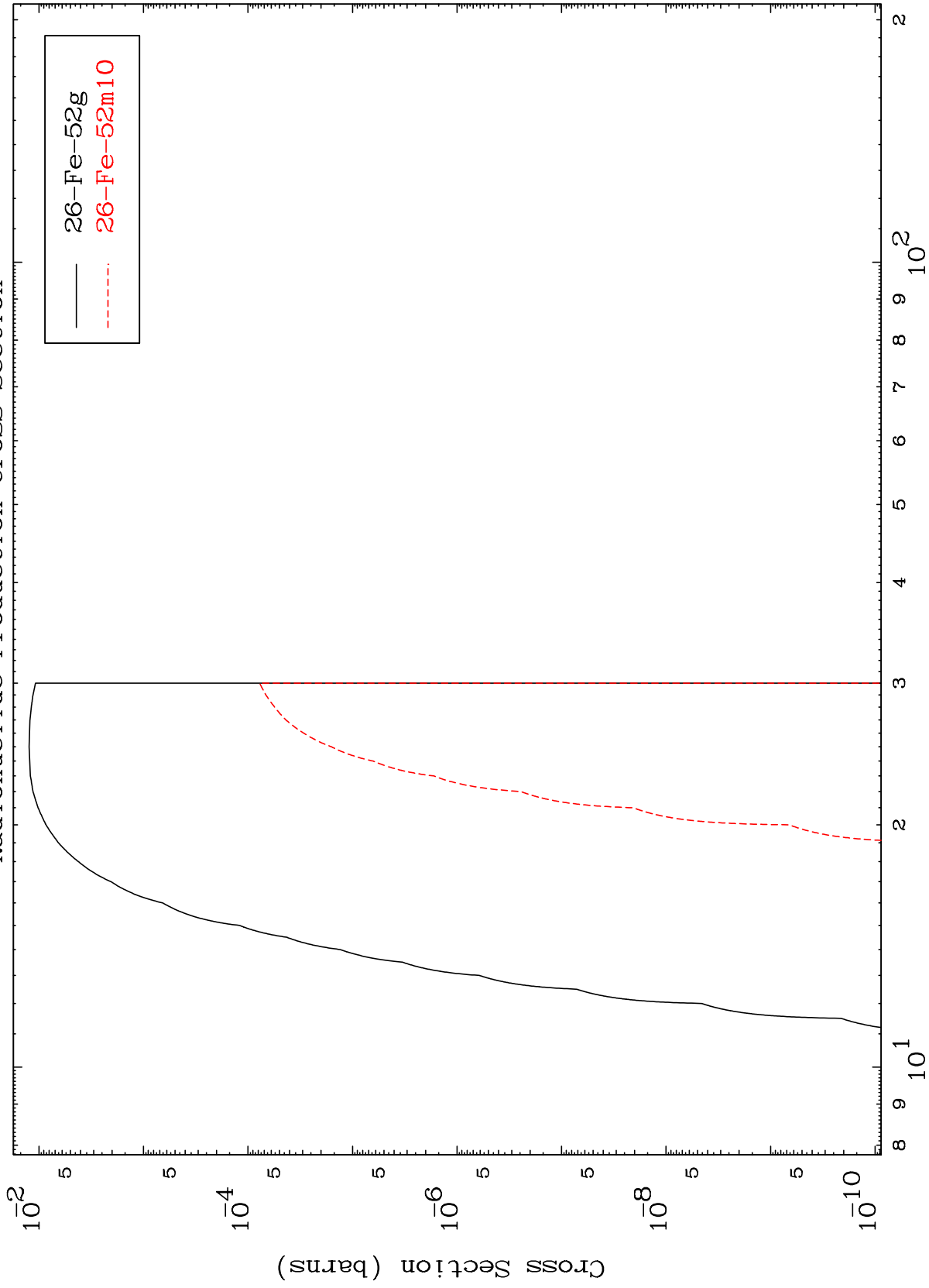
28-Ni-56

MAT 2819

(n,n') α

28-Ni-56

Radionuclide Production Cross Section



65

Incident Energy (MeV)

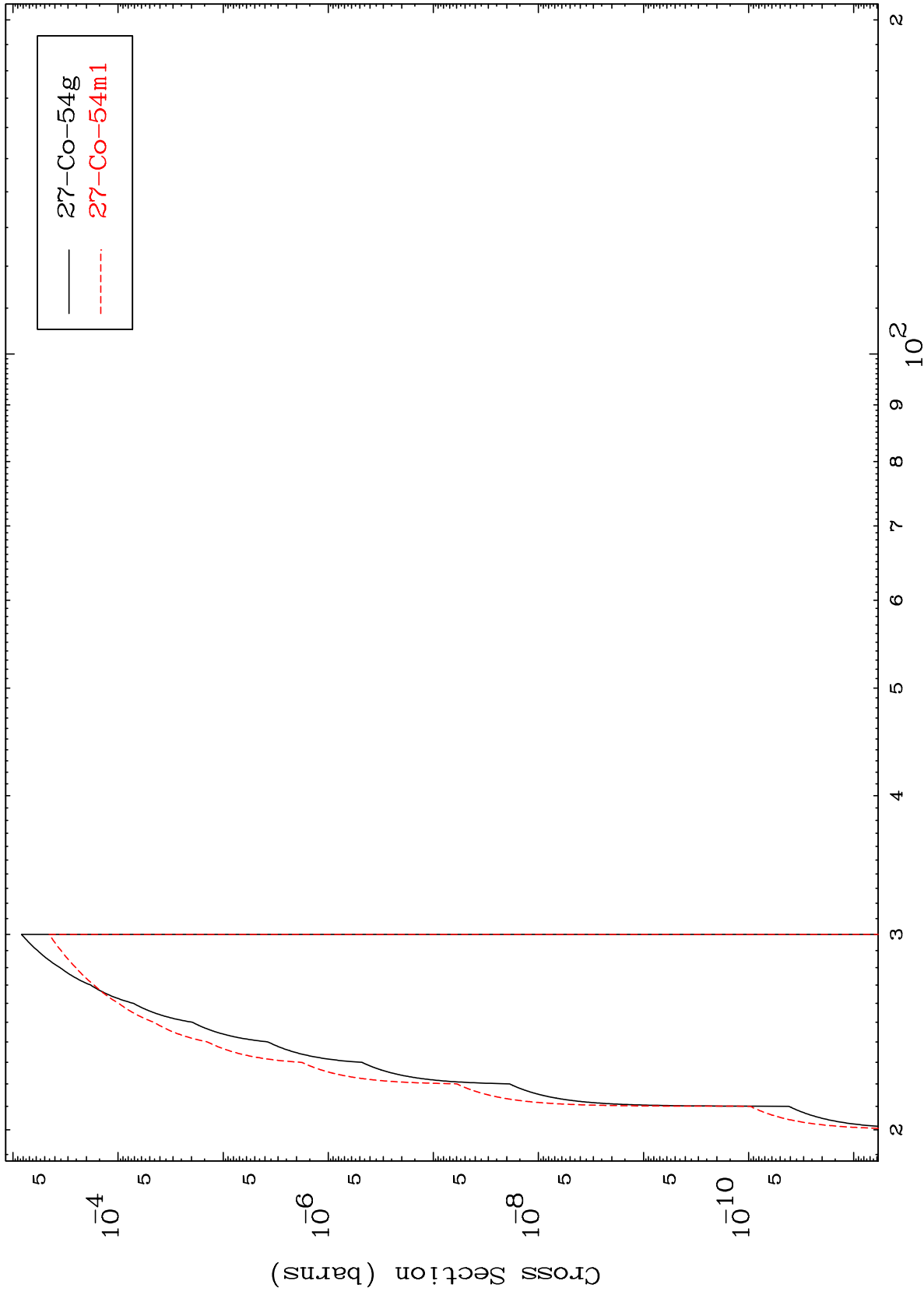
28-Ni-56

MAT 2819

(n,n') d

²⁸Ni-56

Radionuclide Production Cross Section



66

Incident Energy (MeV)

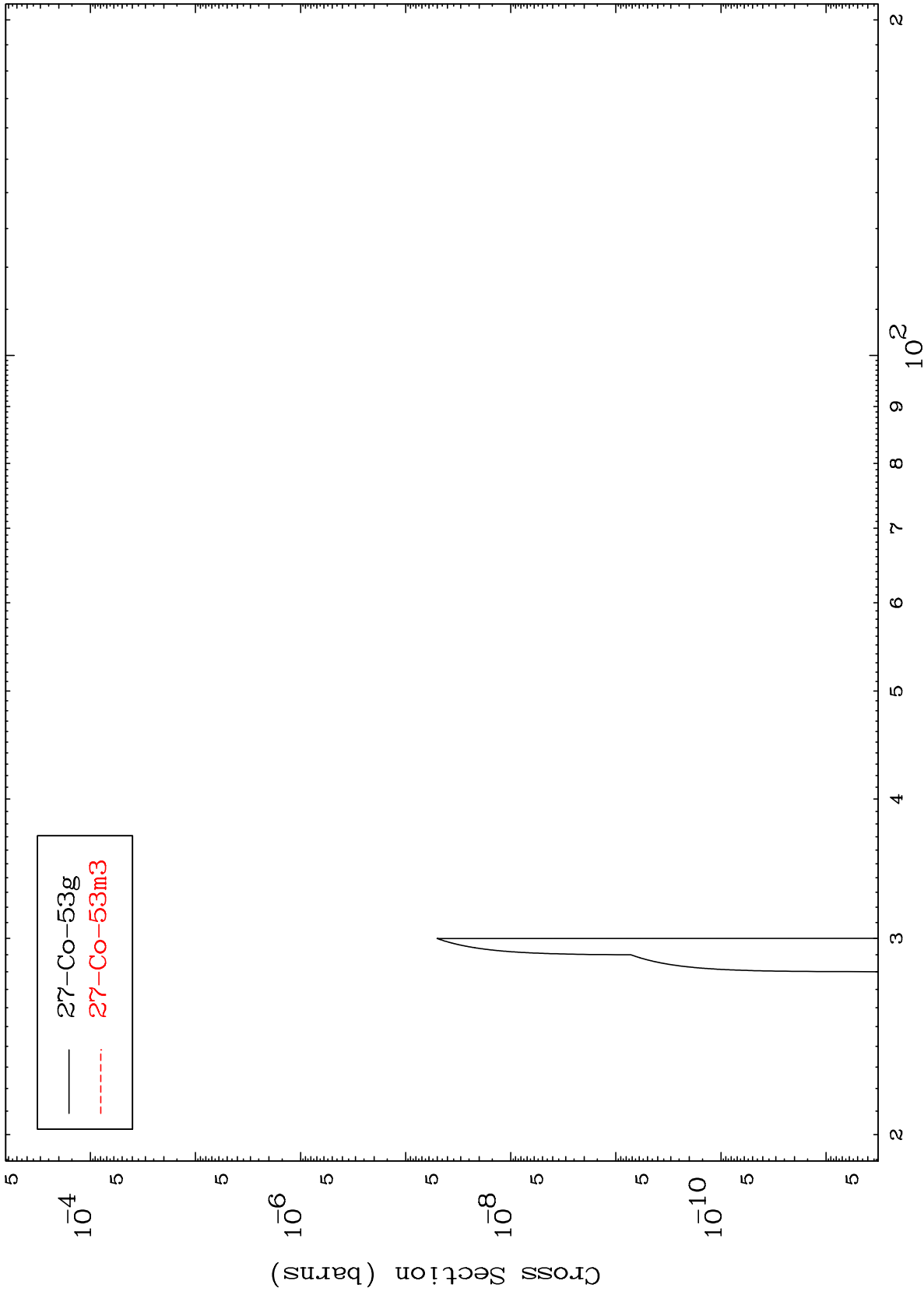
²⁸Ni-56

MAT 2819

(n,n') t

28-Ni-56

Radionuclide Production Cross Section



67

Incident Energy (MeV)

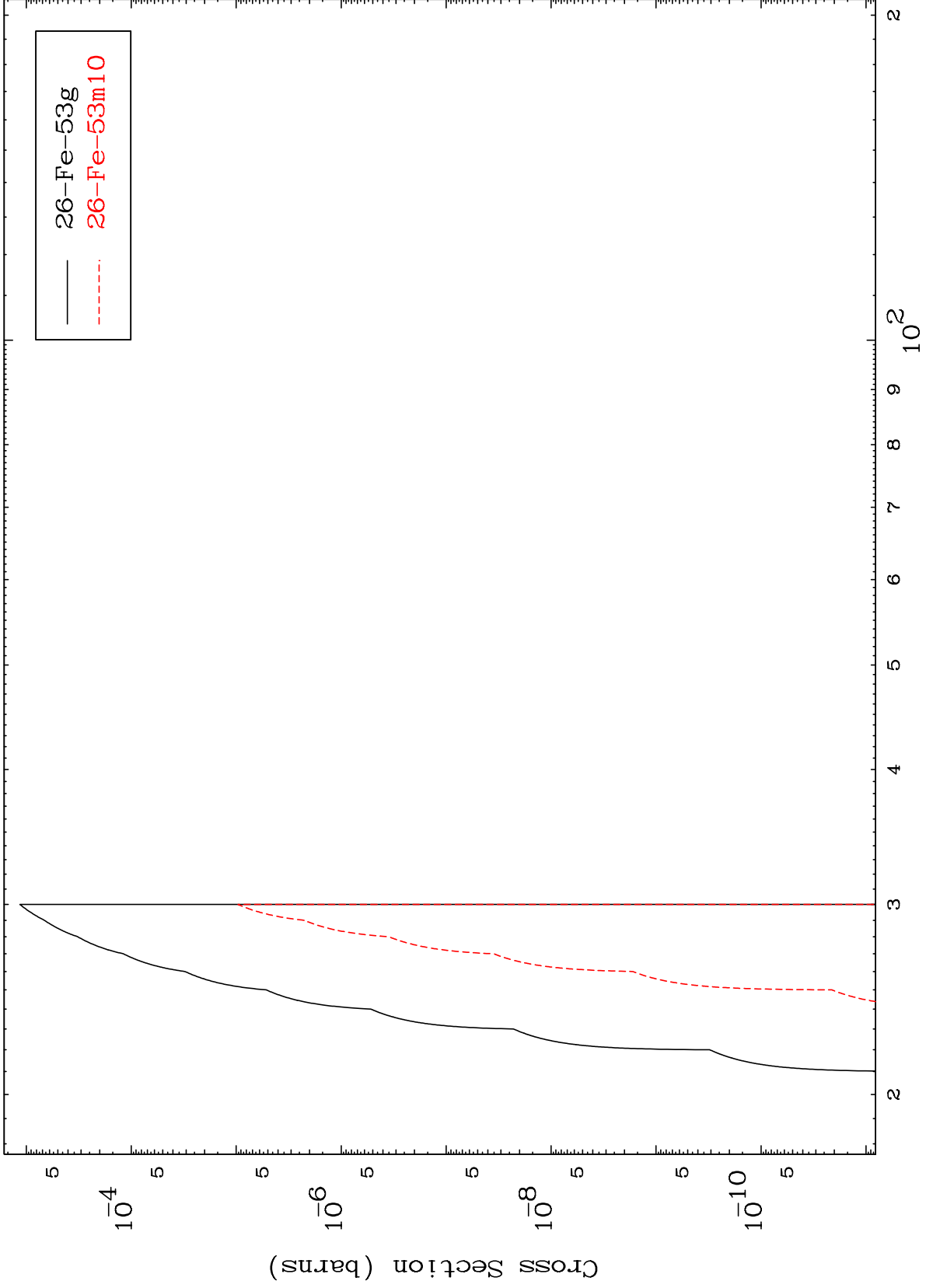
28-Ni-56

MAT 2819

(n, n') He-3

28-Ni-56

Radionuclide Production Cross Section



68

Incident Energy (MeV)

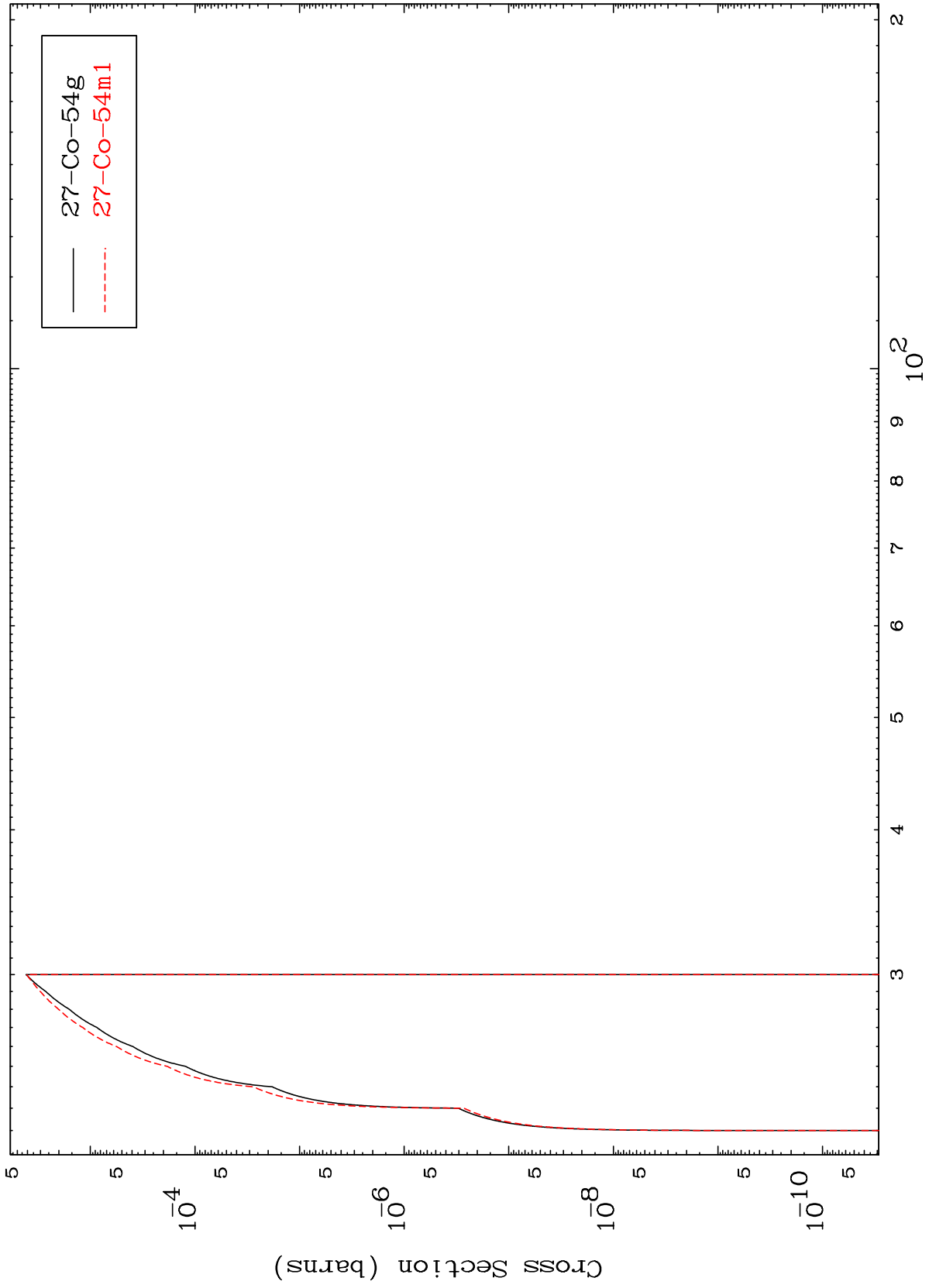
28-Ni-56

MAT 2819

(n,2n) p

²⁸Ni-56

Radionuclide Production Cross Section



69

Incident Energy (MeV)

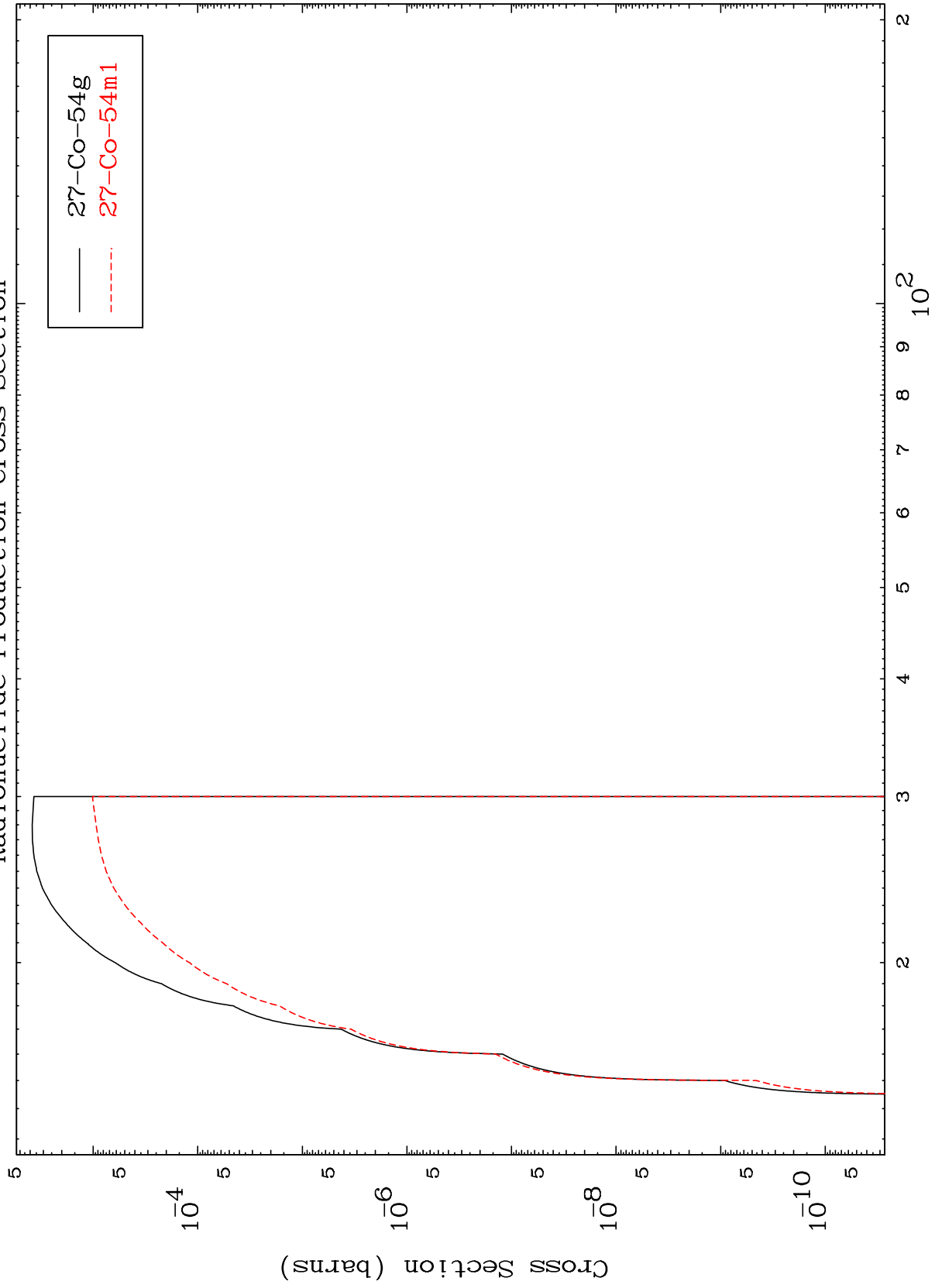
²⁸Ni-56

MAT 2819

(n, t)

²⁸Ni-56

Radionuclide Production Cross Section



70

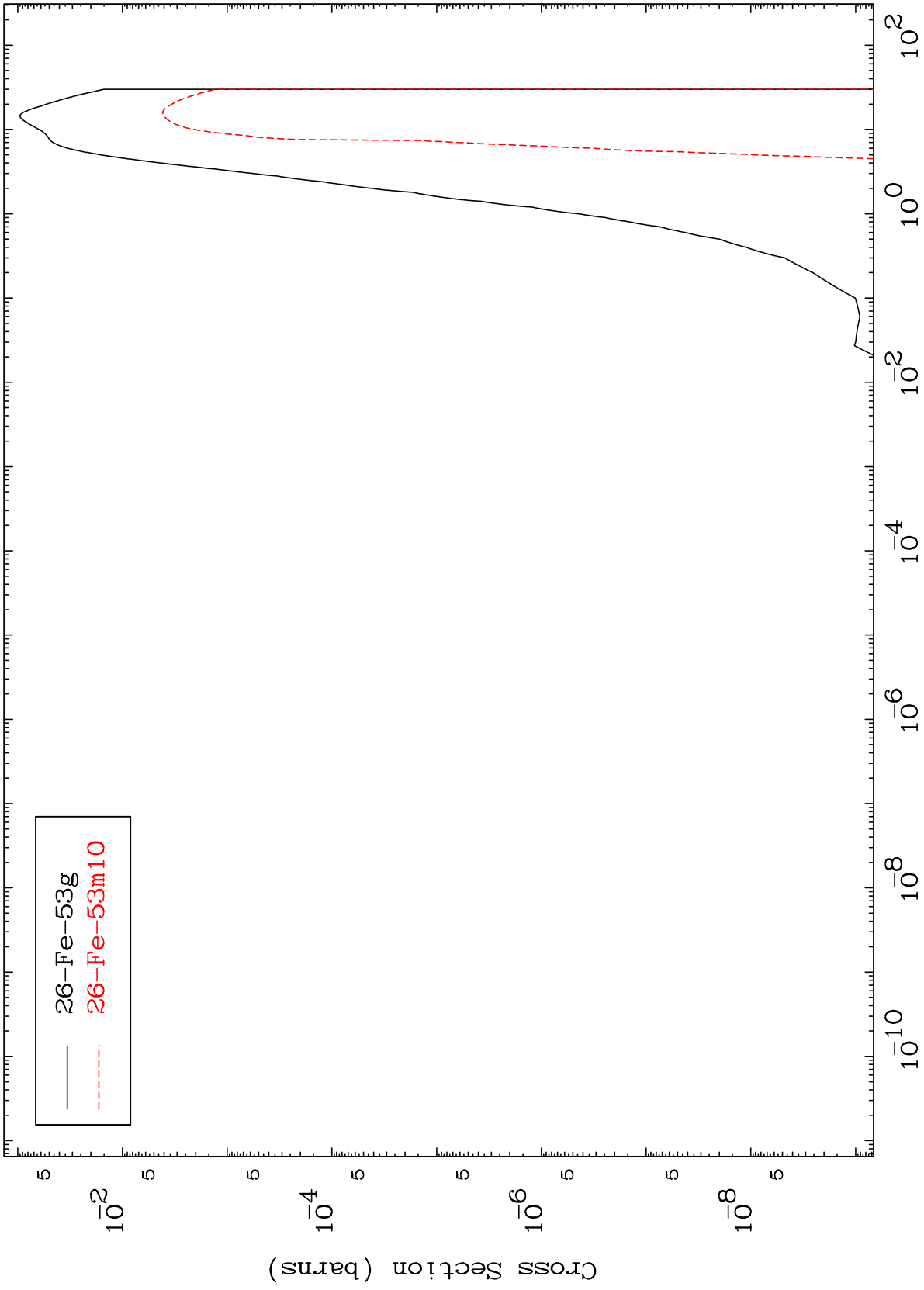
Incident Energy (MeV)

²⁸Ni-56

MAT 2819

(n, α)
Radionuclide Production Cross Section

$^{28}\text{Ni-56}$



71

Incident Energy (MeV)

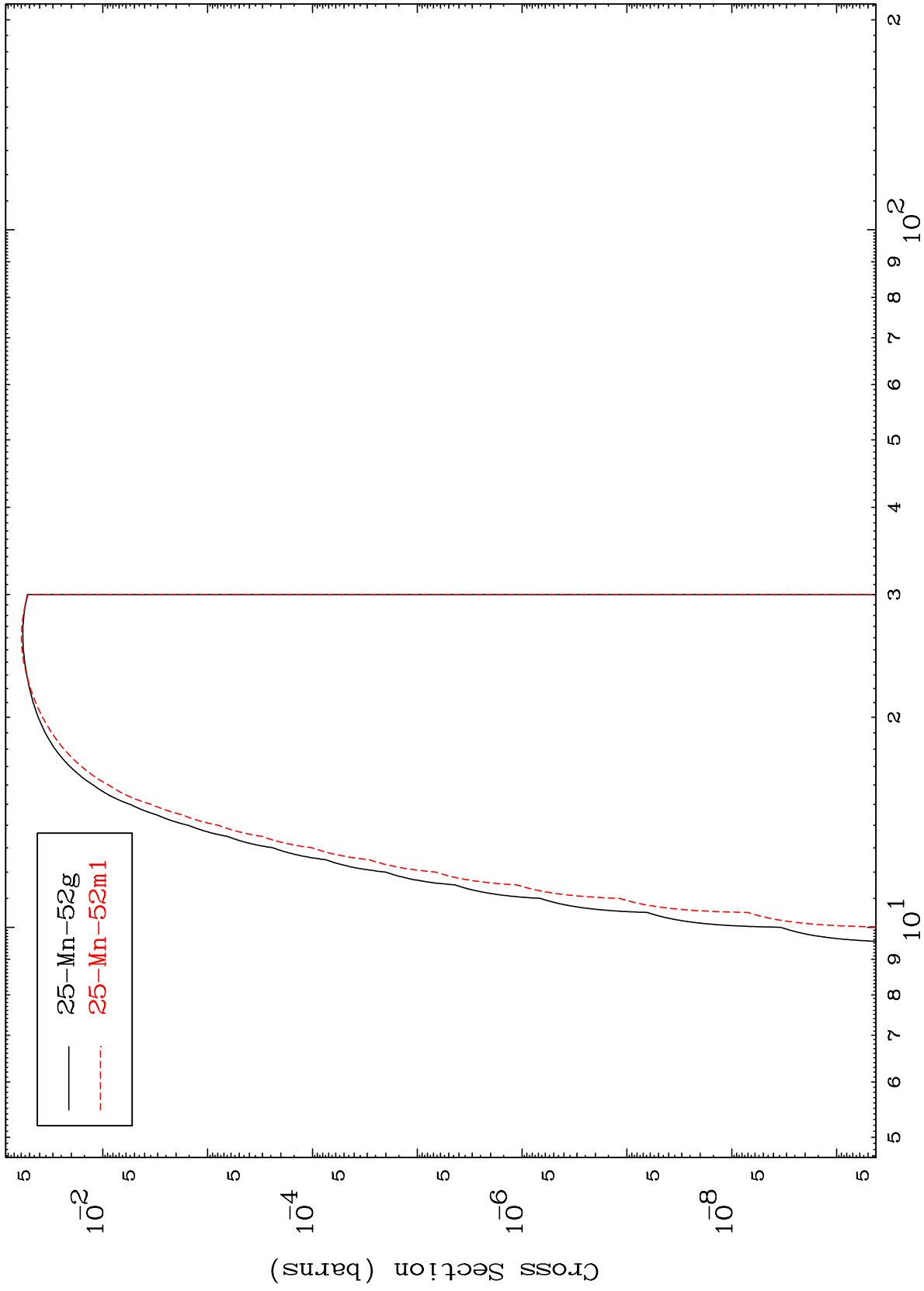
$^{28}\text{Ni-56}$

MAT 2819

(n,p) α

²⁸Ni-56

Radionuclide Production Cross Section



72

Incident Energy (MeV)

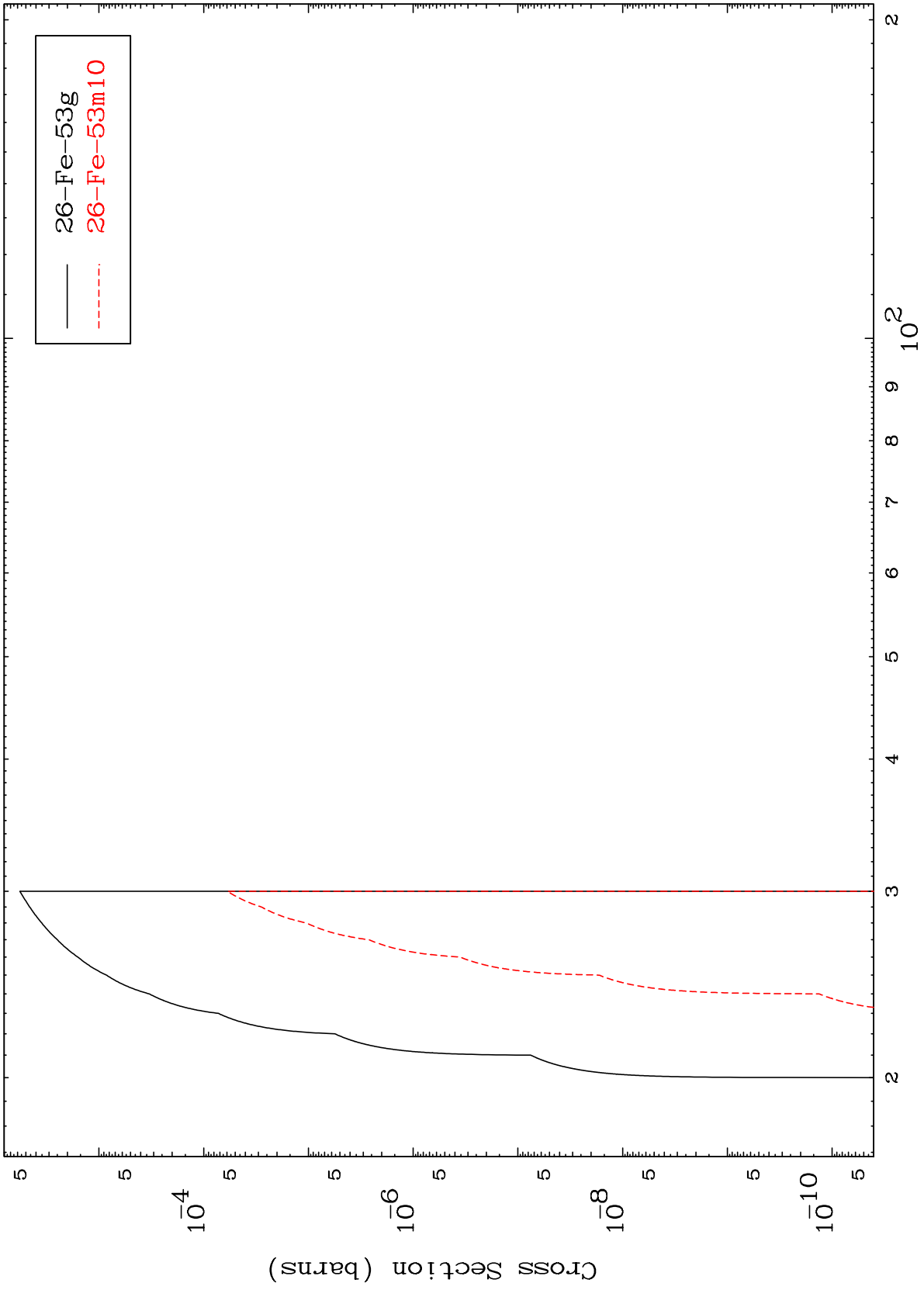
²⁸Ni-56

MAT 2819

(n,p) t

28-Ni-56

Radionuclide Production Cross Section



73

Incident Energy (MeV)

28-Ni-56