

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

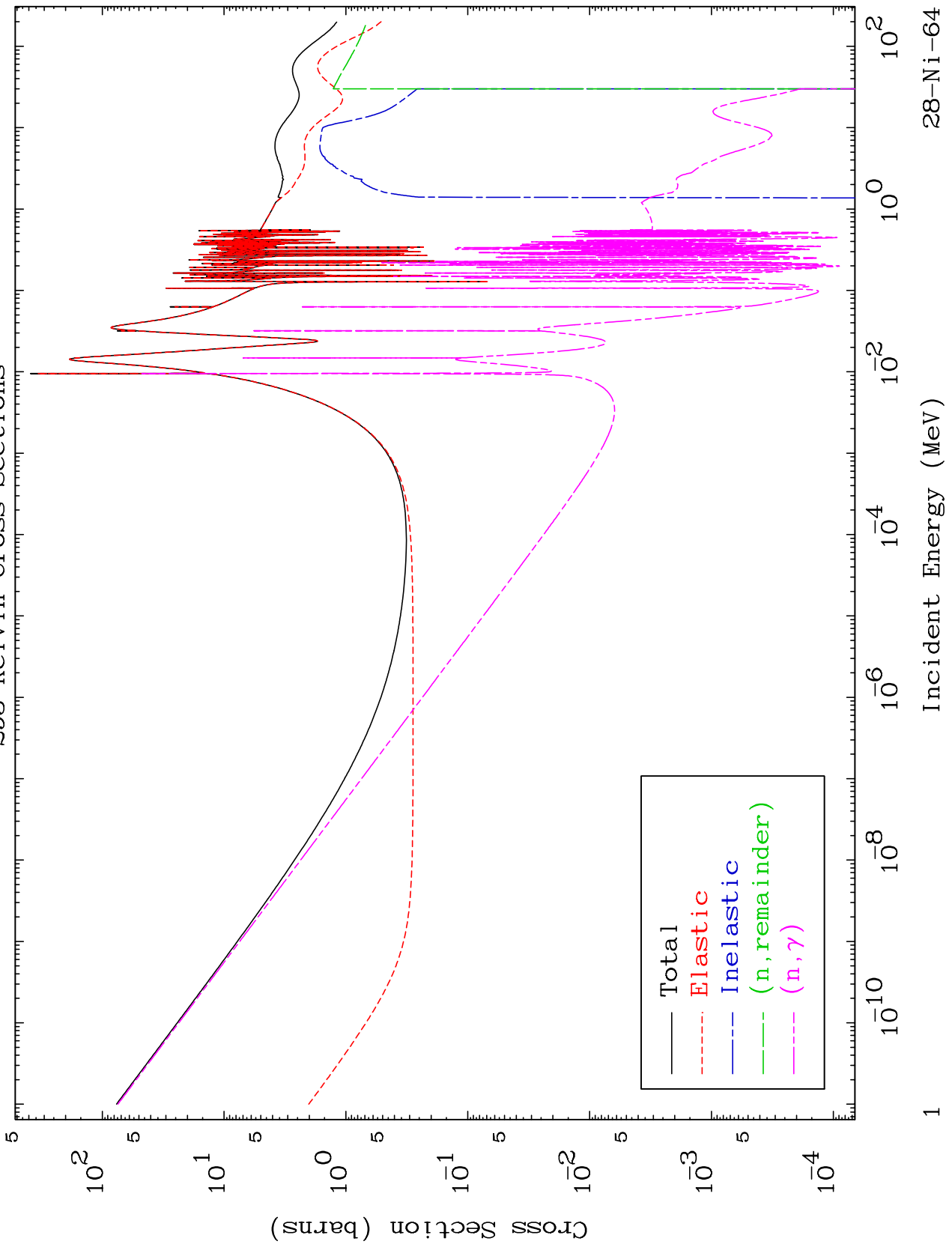
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2843

Major
293 Kelvin Cross Sections

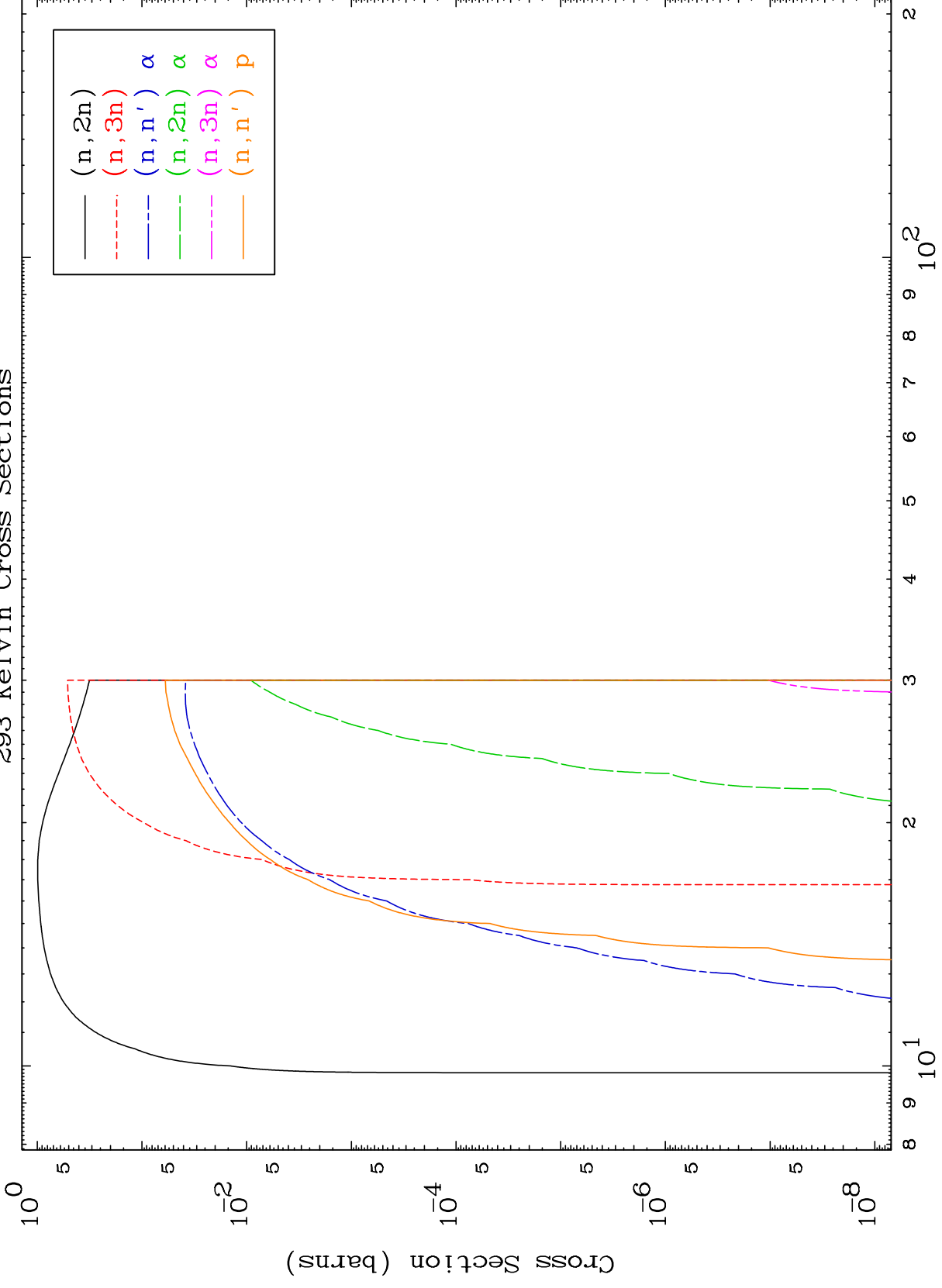
28-Ni-64



MAT 2843

Neutron Production
293 Kelvin Cross Sections

28-Ni-64



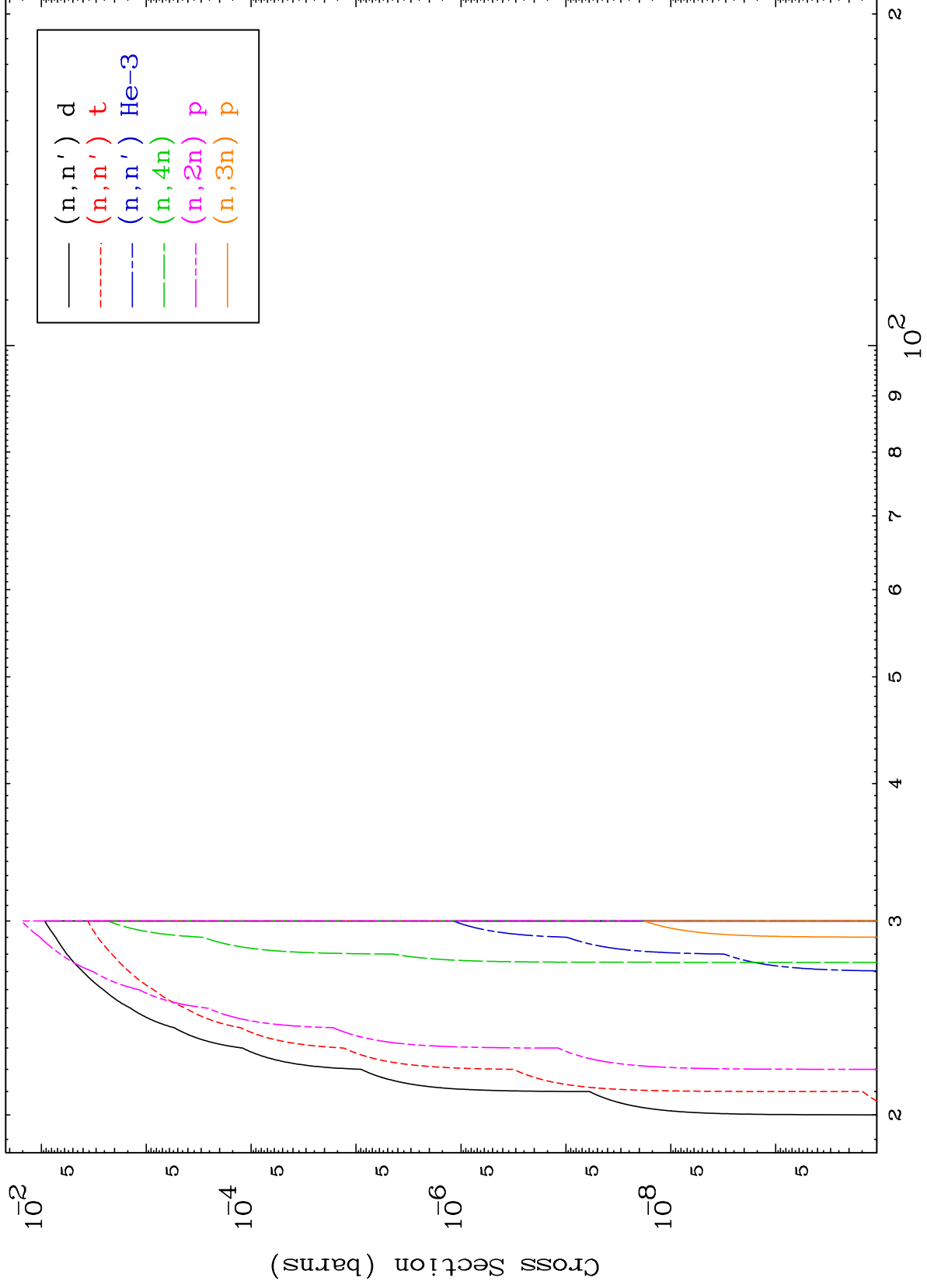
Incident Energy (MeV)

28-Ni-64

MAT 2843

Neutron Production
293 Kelvin Cross Sections

28-Ni-64



3

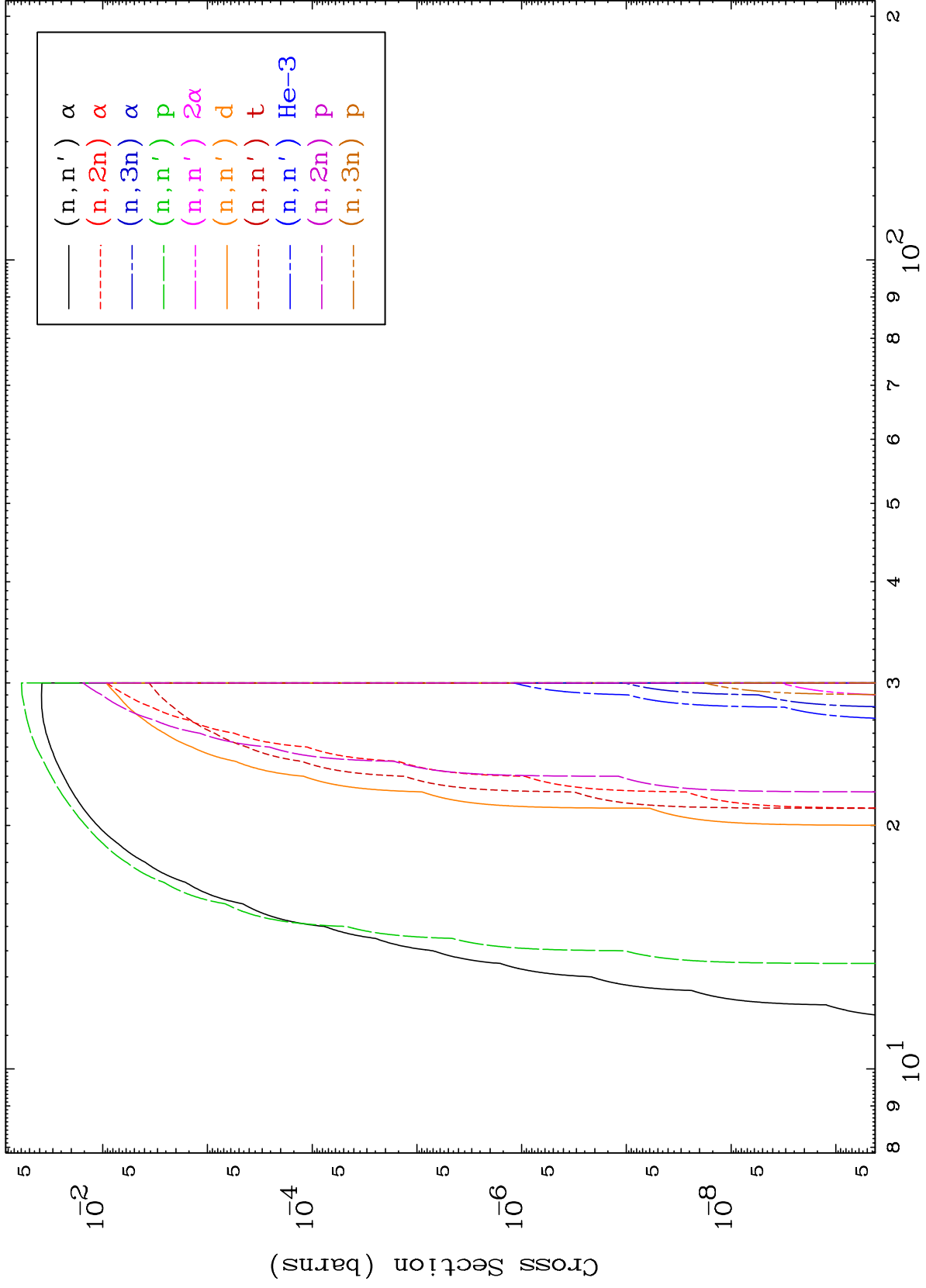
Incident Energy (MeV)

28-Ni-64

MAT 2843

Charged Particle
293 Kelvin Cross Sections

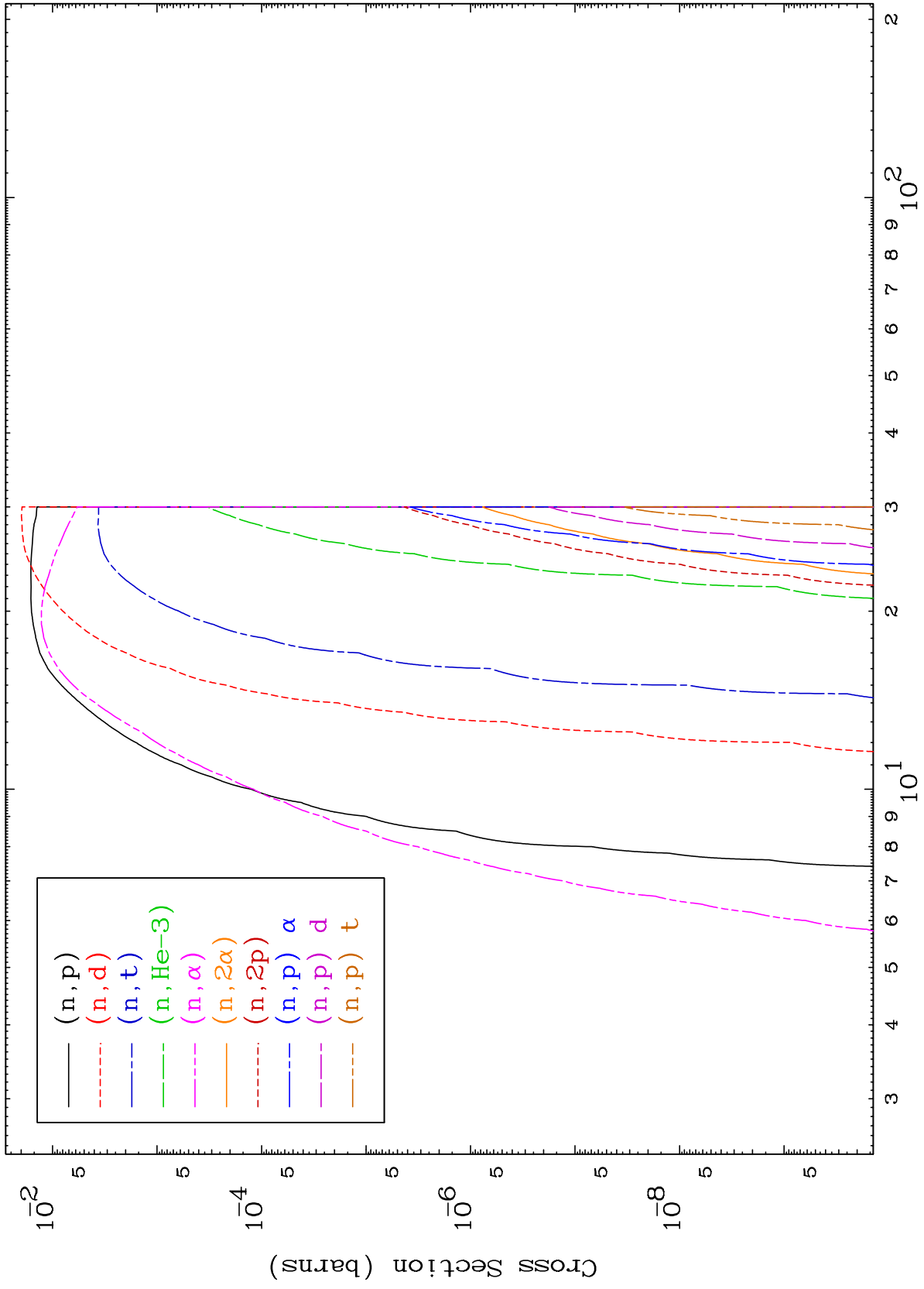
28-Ni-64

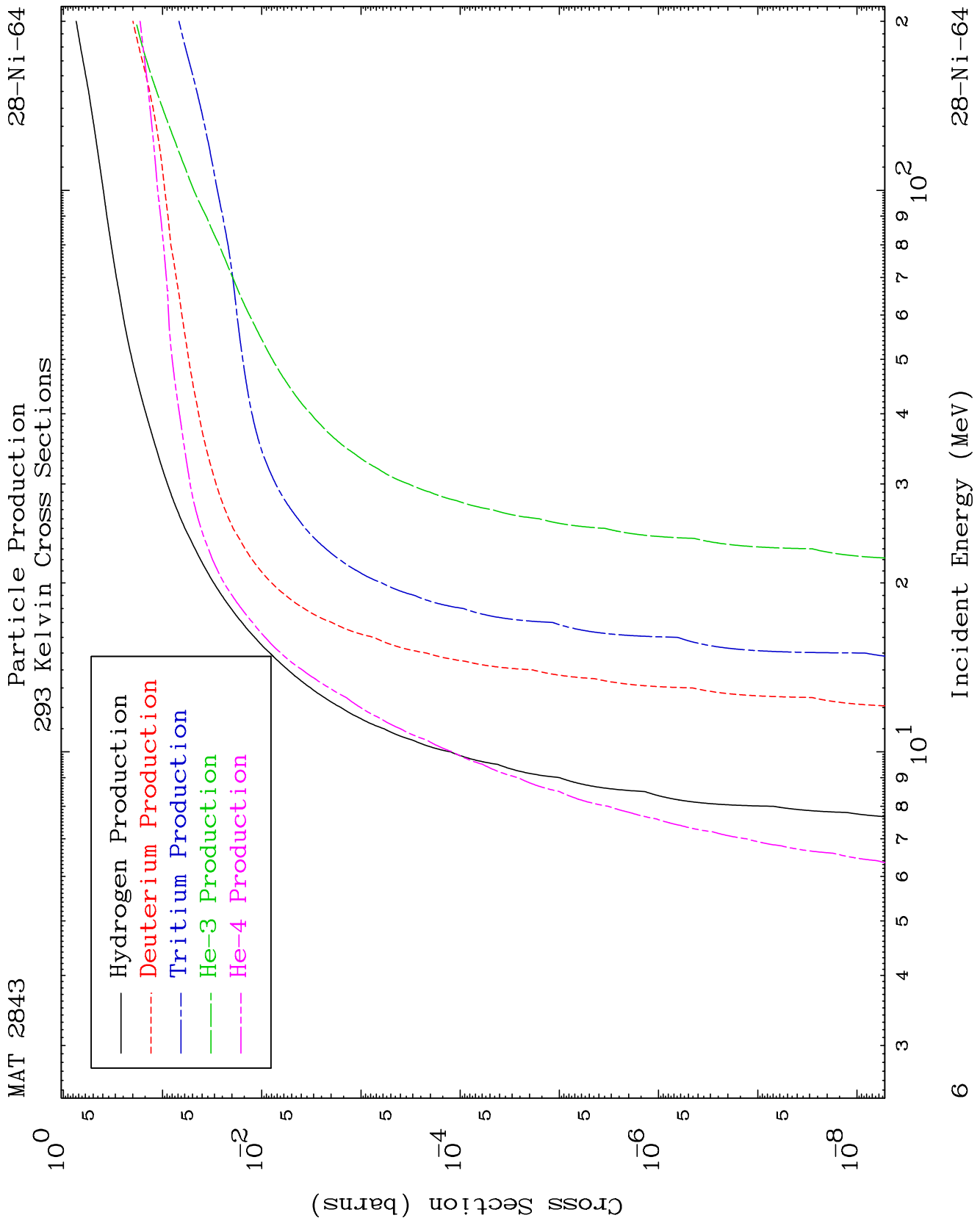


4

Incident Energy (MeV)

28-Ni-64



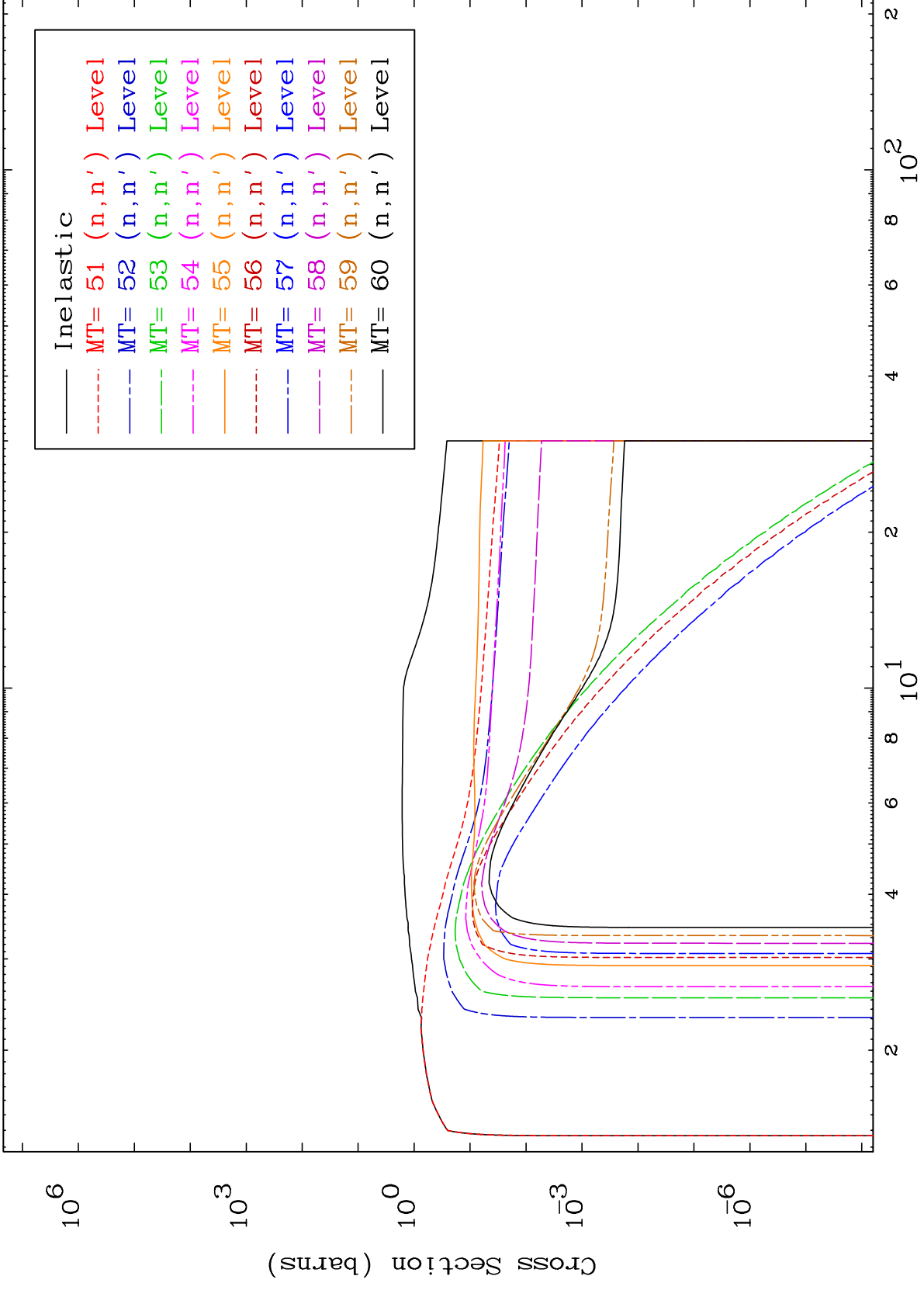


MAT 2843

(n,n') Level

28-Ni-64

293 Kelvin Cross Sections

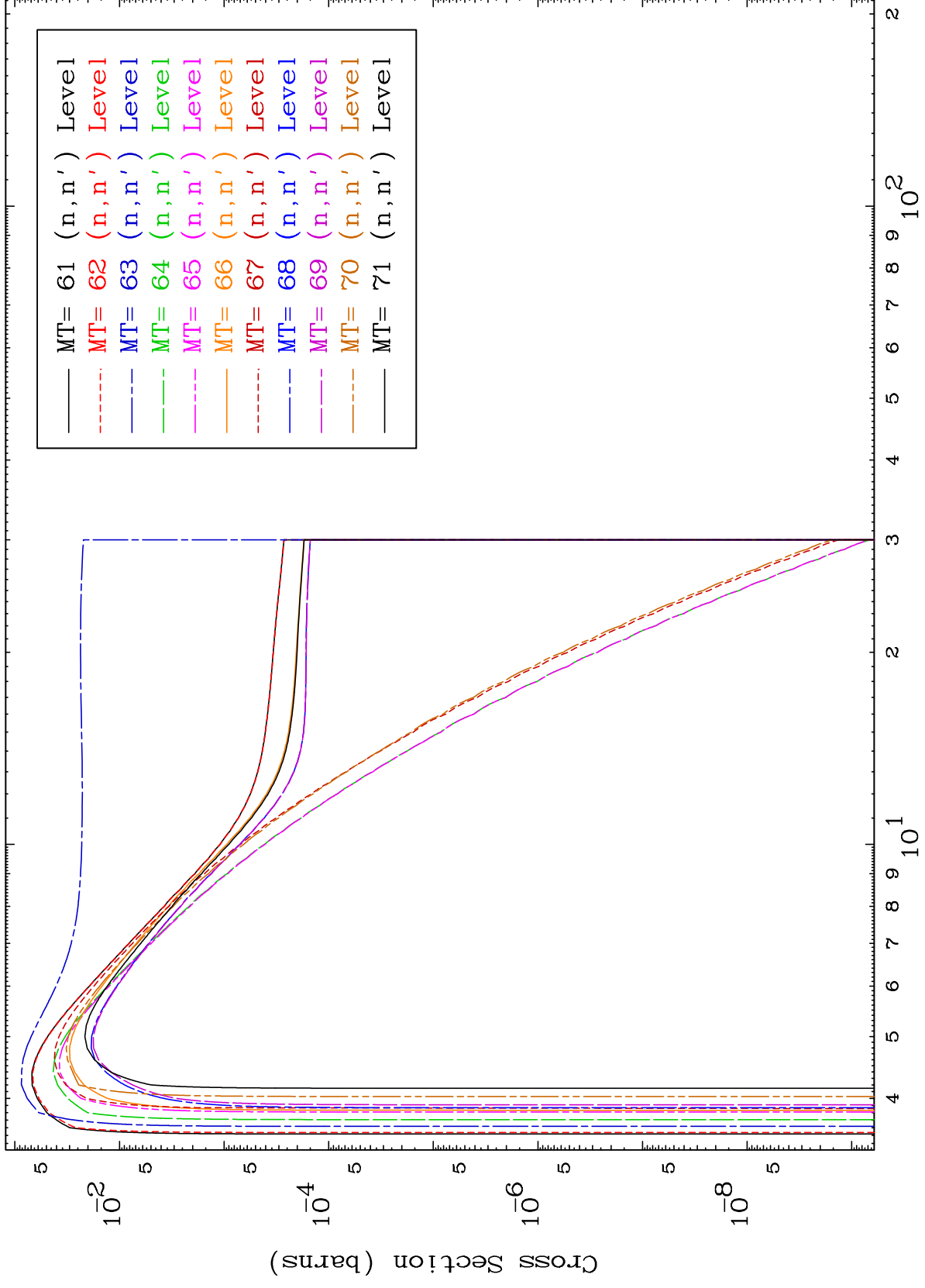


MAT 2843

(n,n') Level

28-Ni-64

293 Kelvin Cross Sections



8

Incident Energy (MeV)

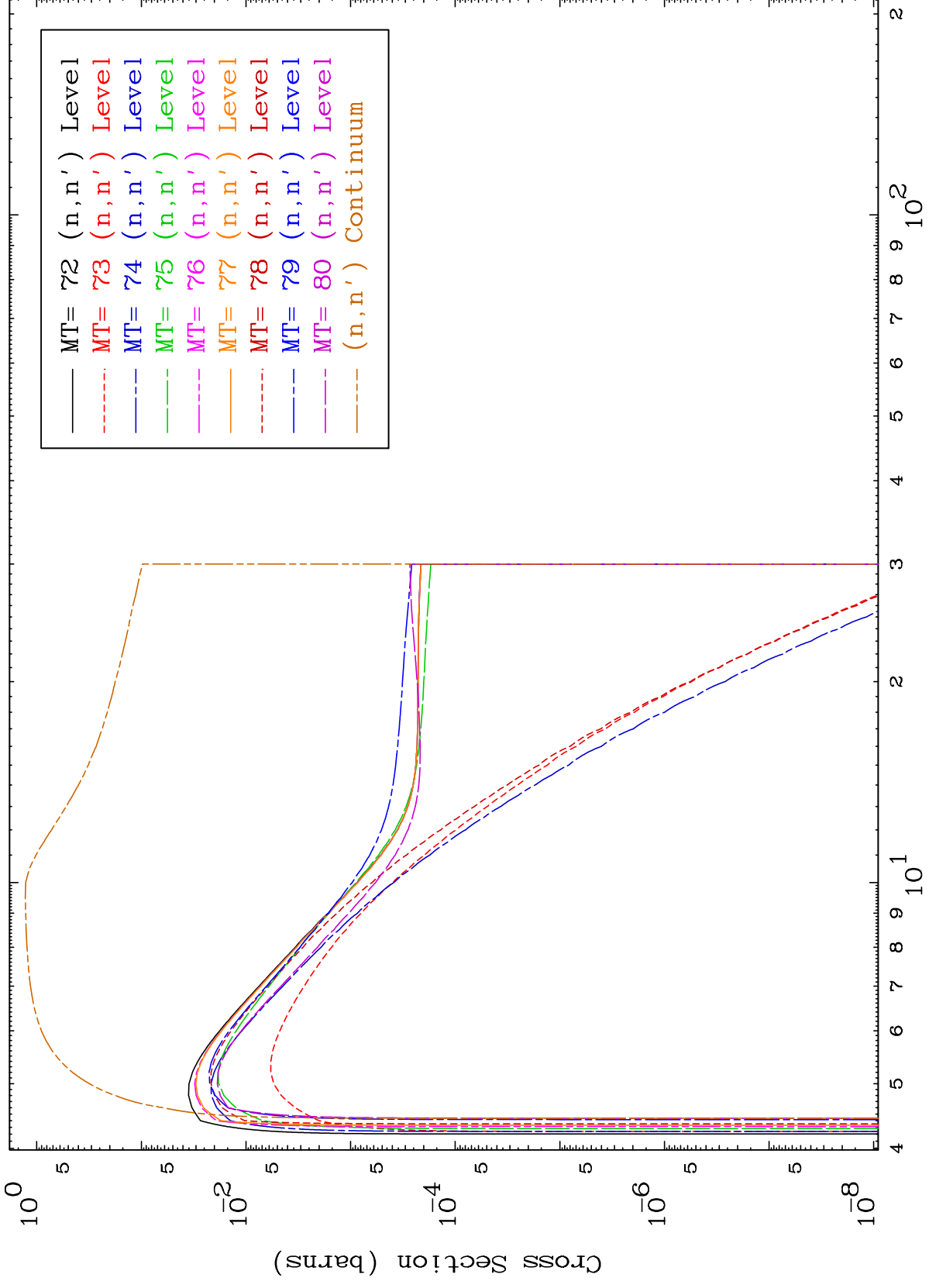
28-Ni-64

MAT 2843

(n,n') Level

28-Ni-64

293 Kelvin Cross Sections



9

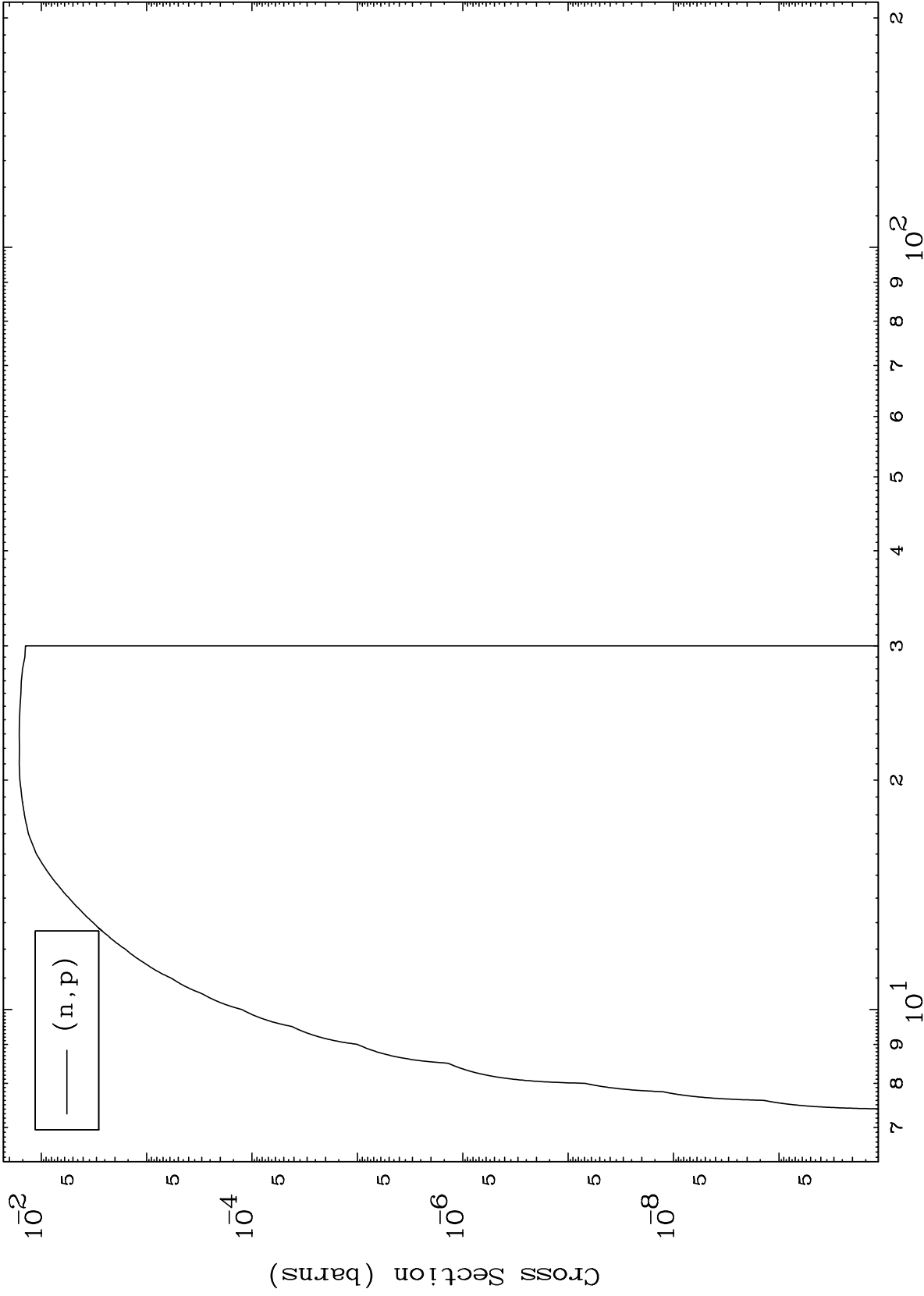
Incident Energy (MeV)

28-Ni-64

MAT 2843

(n,p) Levels
293 Kelvin Cross Sections

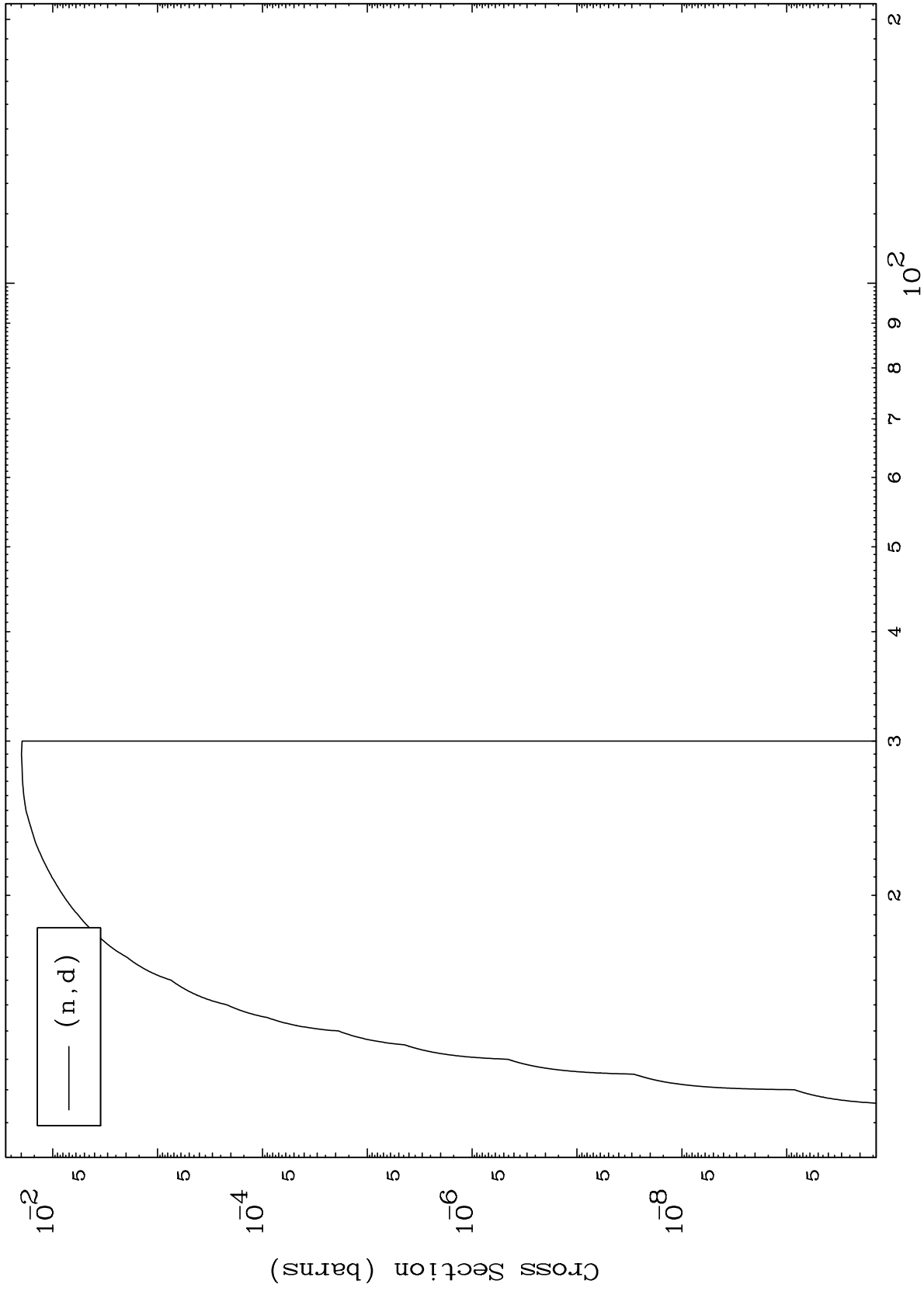
28-Ni-64



10

Incident Energy (MeV)

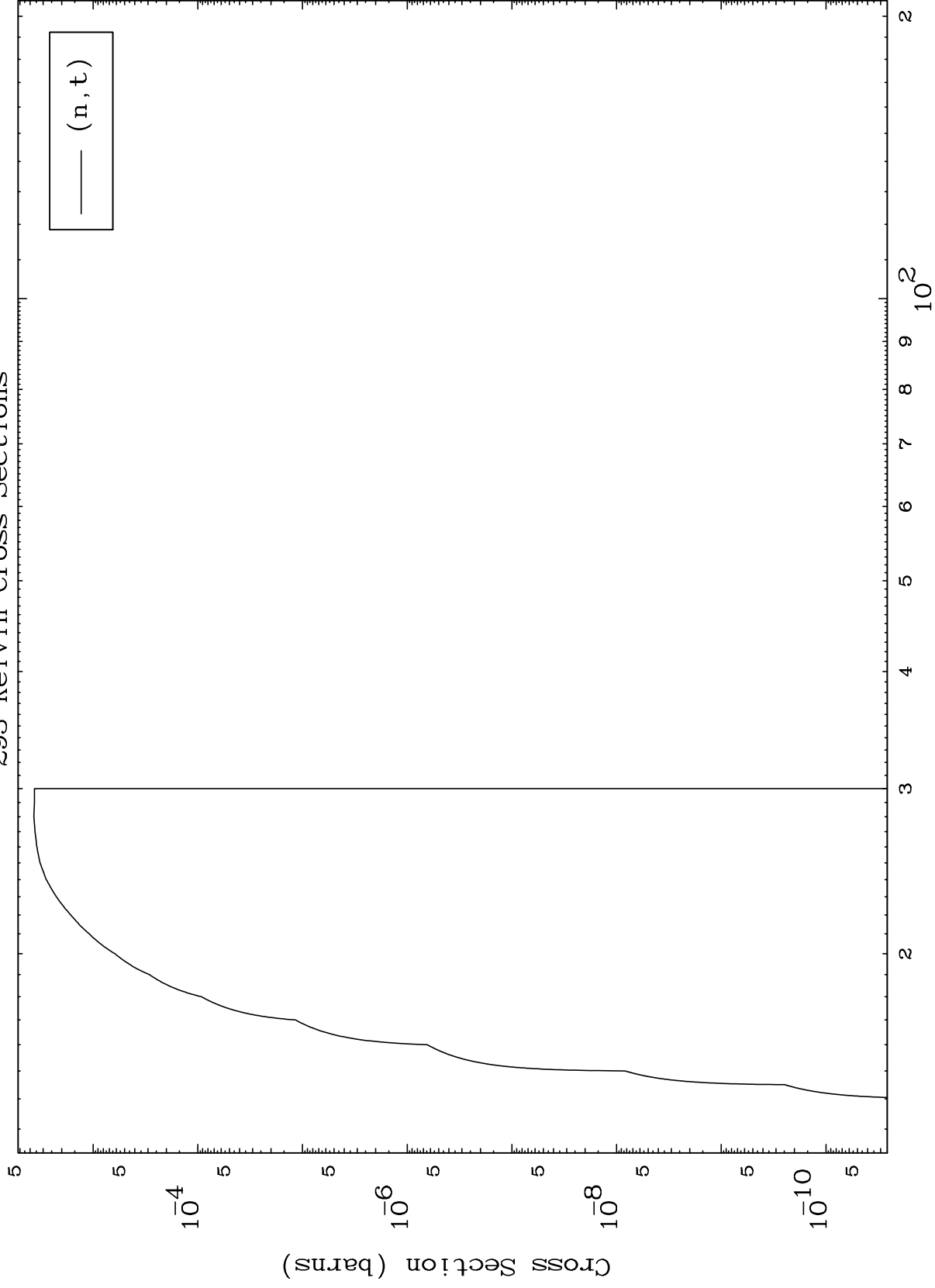
28-Ni-64



MAT 2843

(n,t) Levels
293 Kelvin Cross Sections

28-Ni-64



12

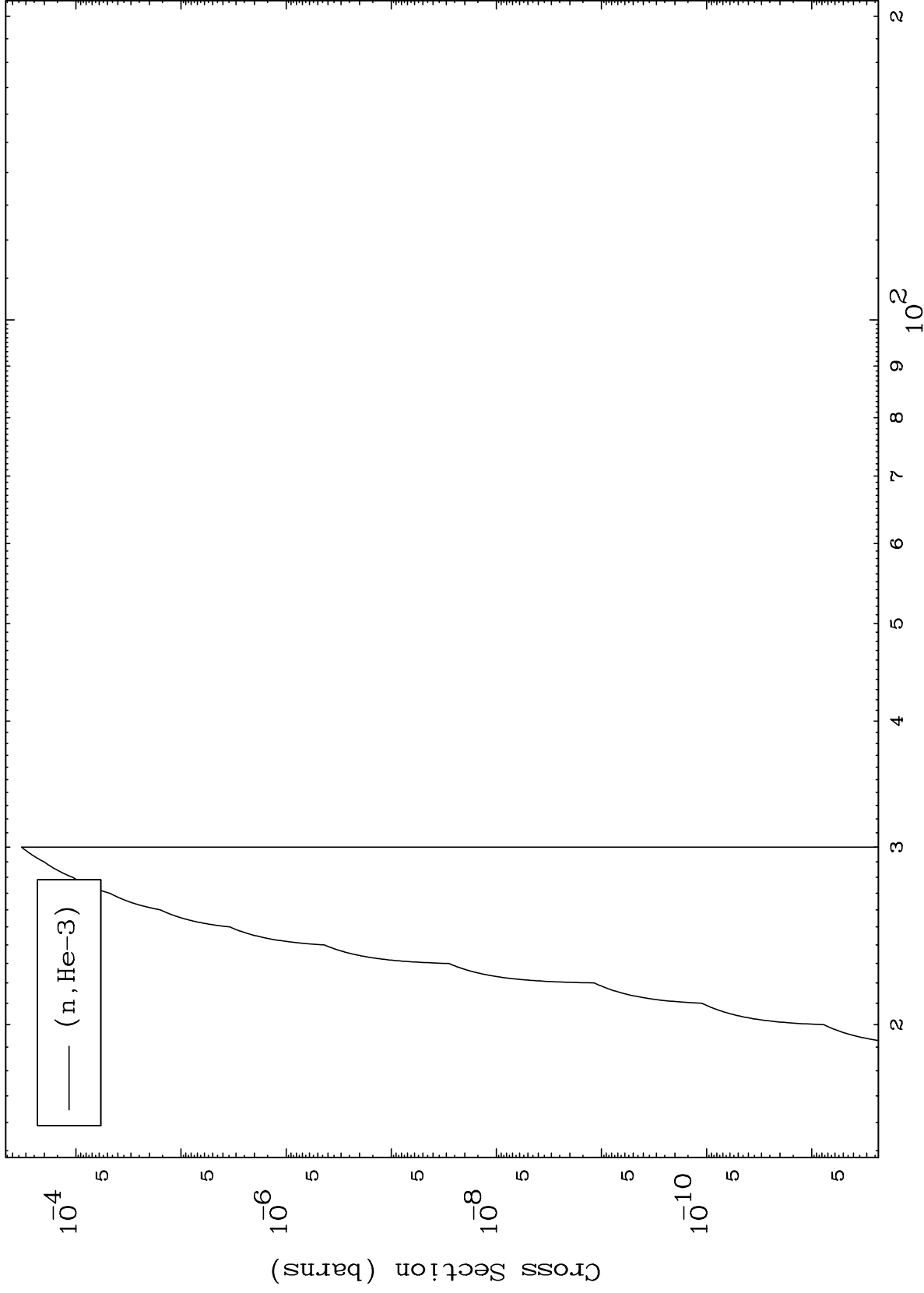
Incident Energy (MeV)

28-Ni-64

MAT 2843

(n,He3) Levels
293 Kelvin Cross Sections

28-Ni-64



13

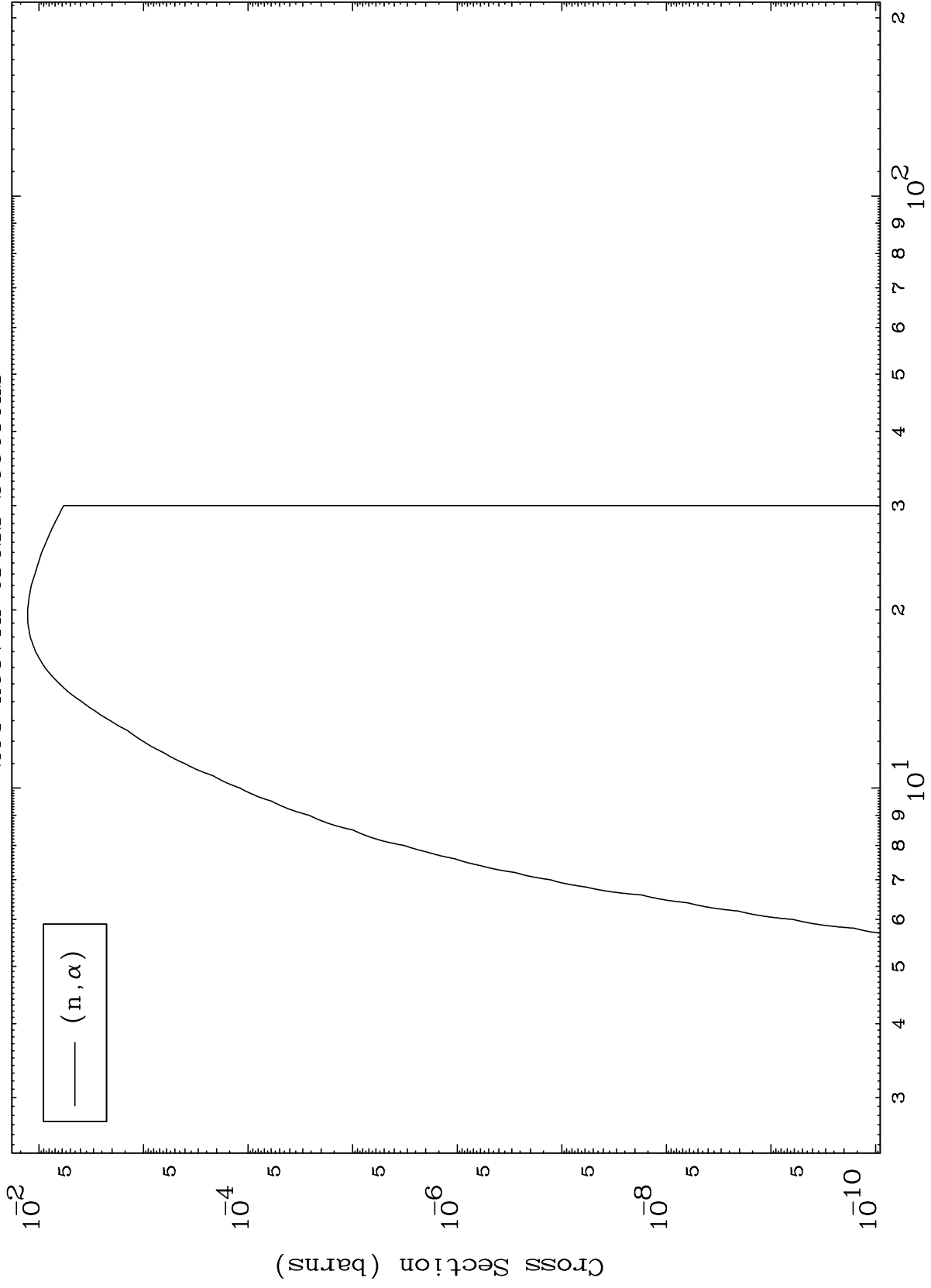
Incident Energy (MeV)

28-Ni-64

MAT 2843

(n, α) Levels
293 Kelvin Cross Sections

28-Ni-64

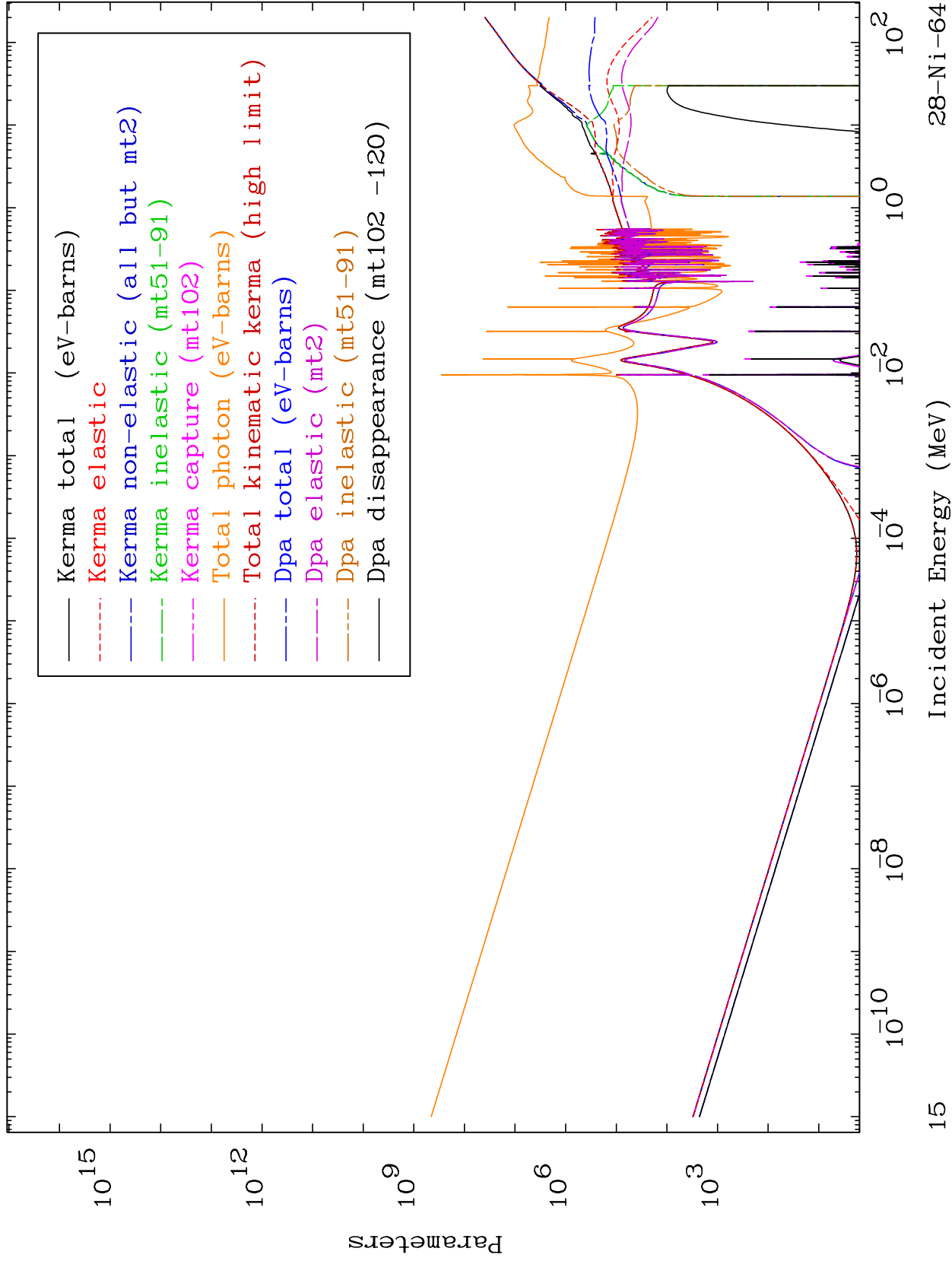


(n, α)

14

Incident Energy (MeV)

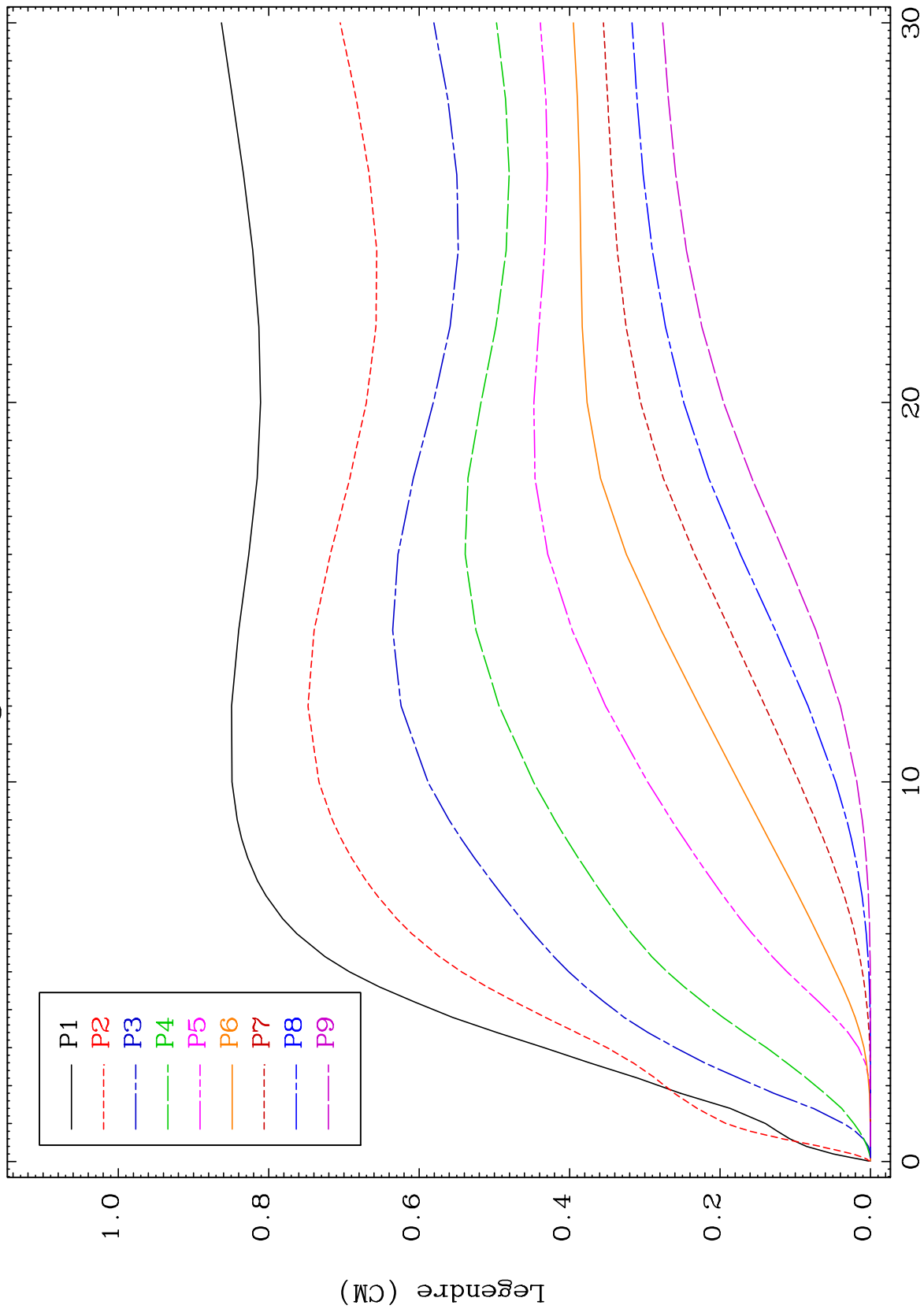
28-Ni-64



MAT 2843

Elastic Legendre Coefficients

²⁸Ni-64



16

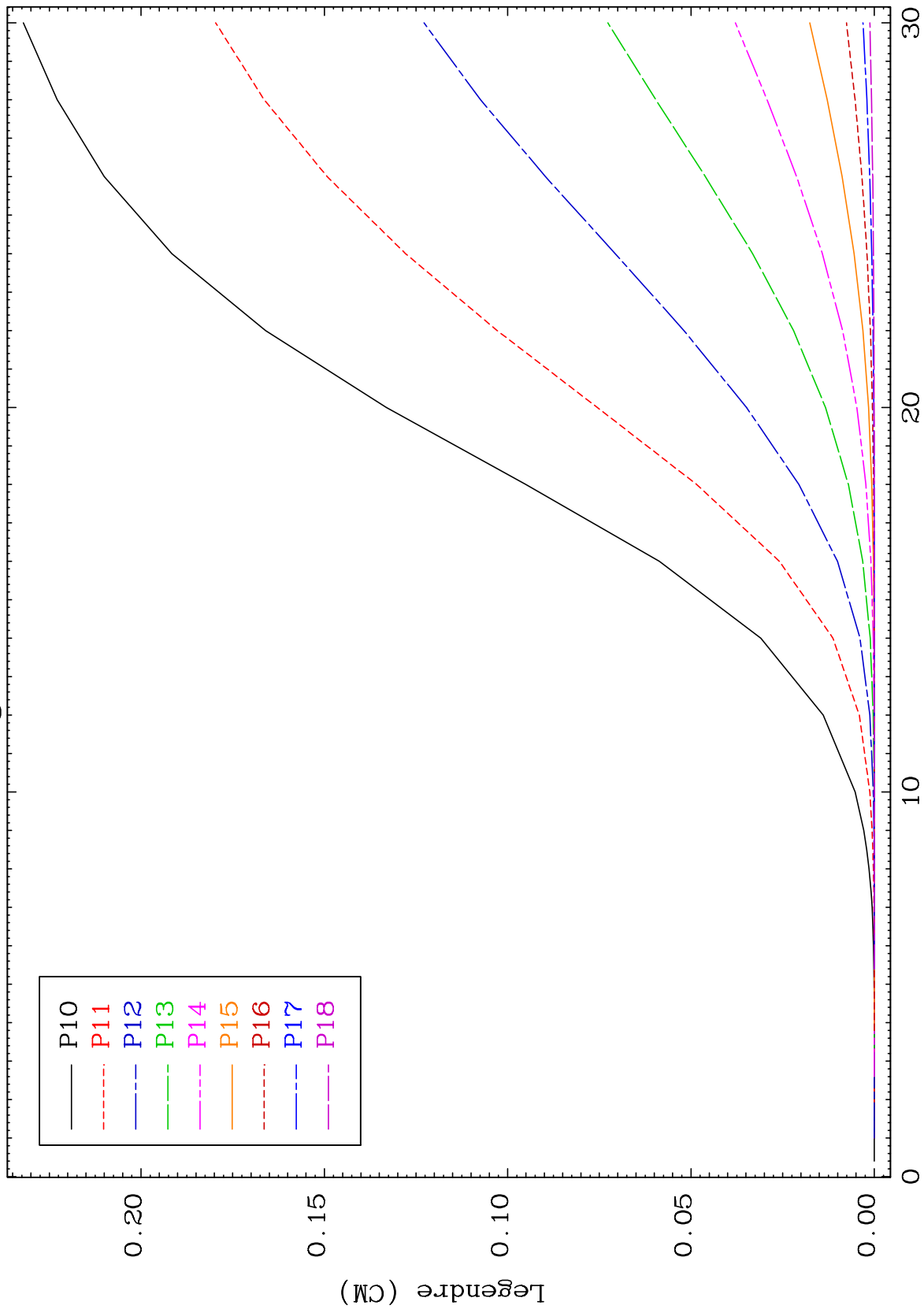
Incident Energy (MeV)

²⁸Ni-64

MAT 2843

Elastic Legendre Coefficients

28-Ni-64



17

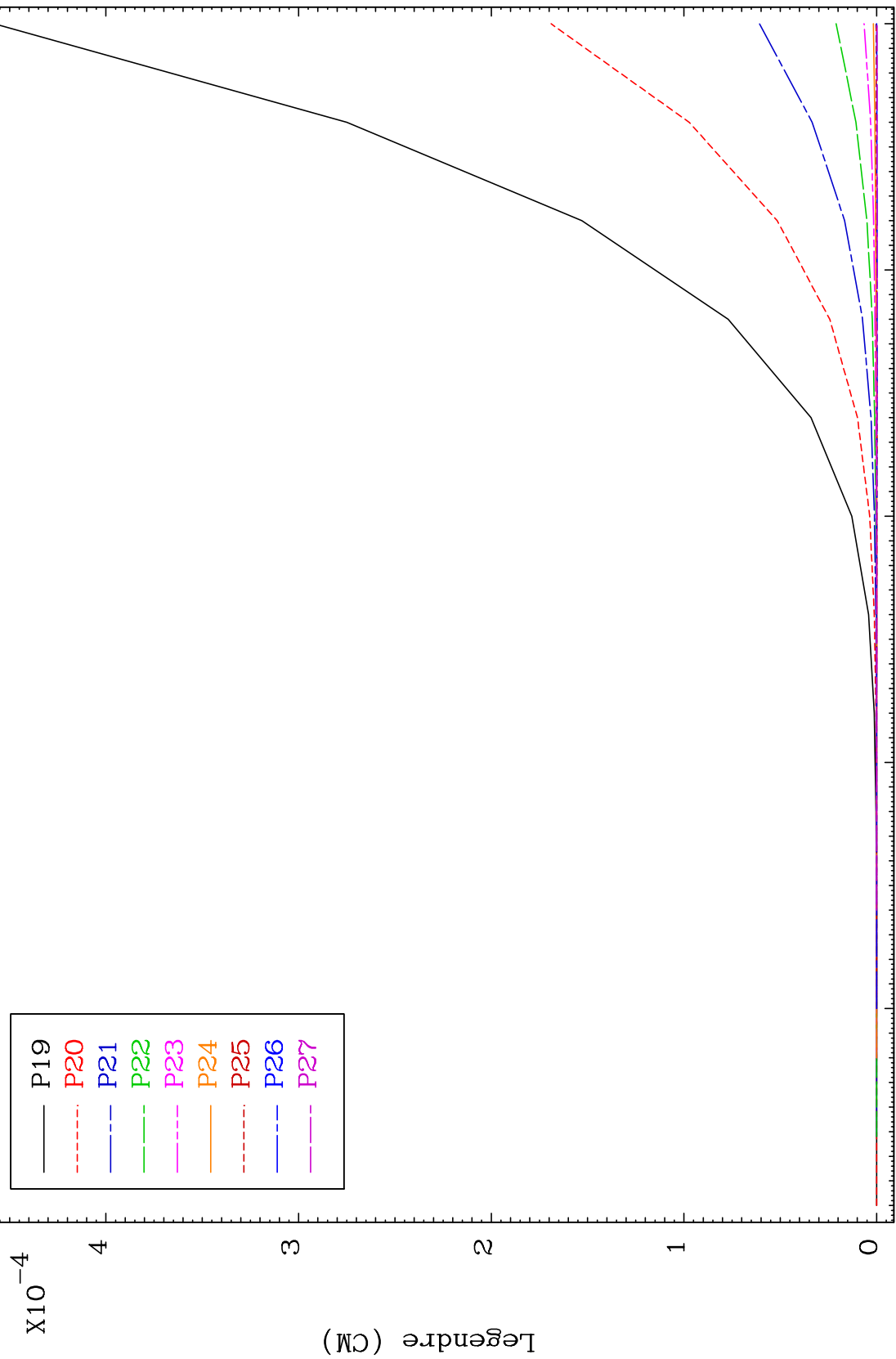
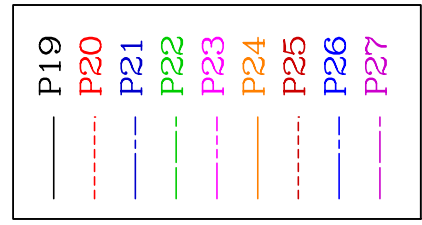
Incident Energy (MeV)

28-Ni-64

MAT 2843

Elastic Legendre Coefficients

28-Ni-64



28-Ni-64

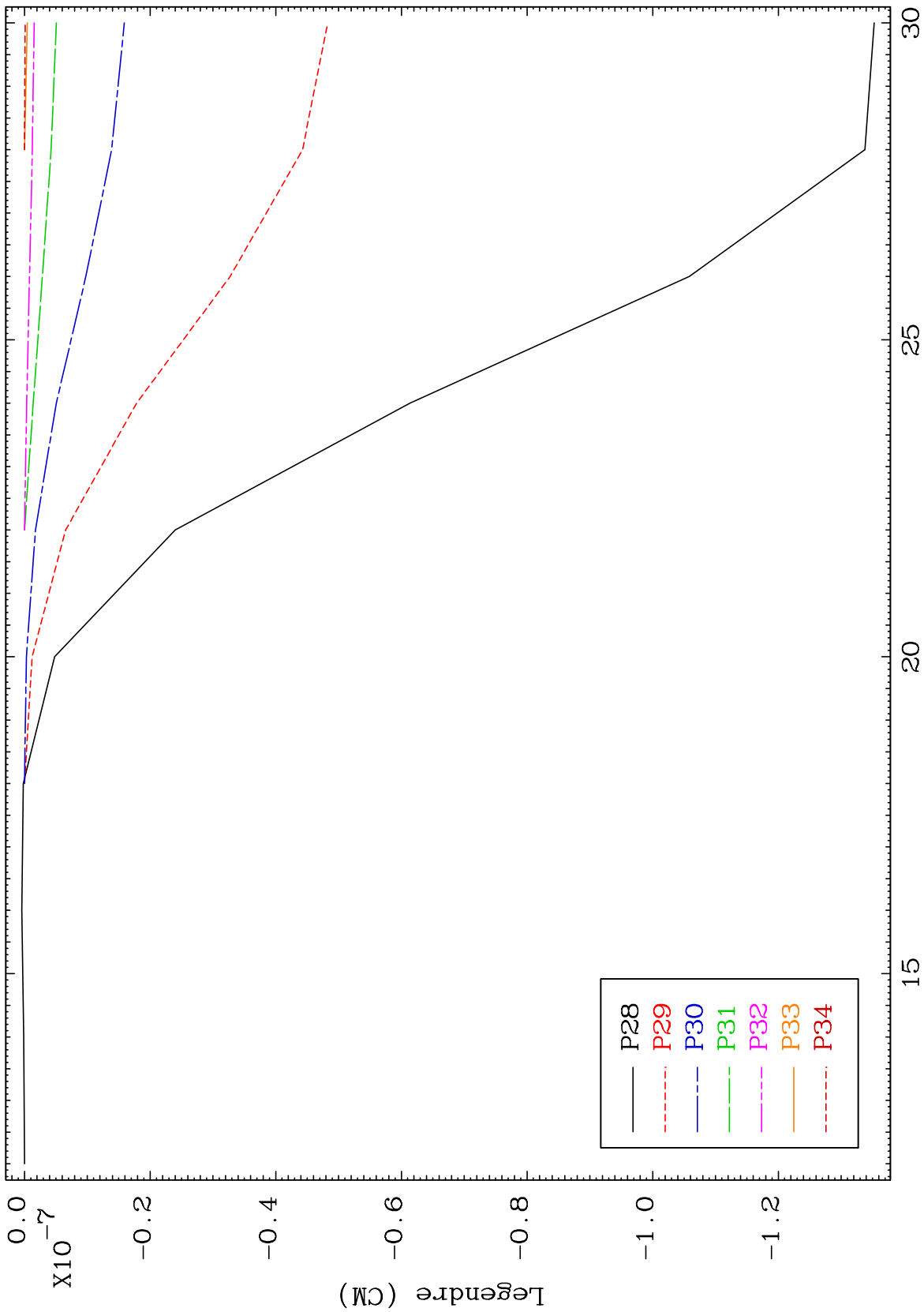
Incident Energy (MeV)

18

MAT 2843

28-Ni-64

Elastic Legendre Coefficients



19

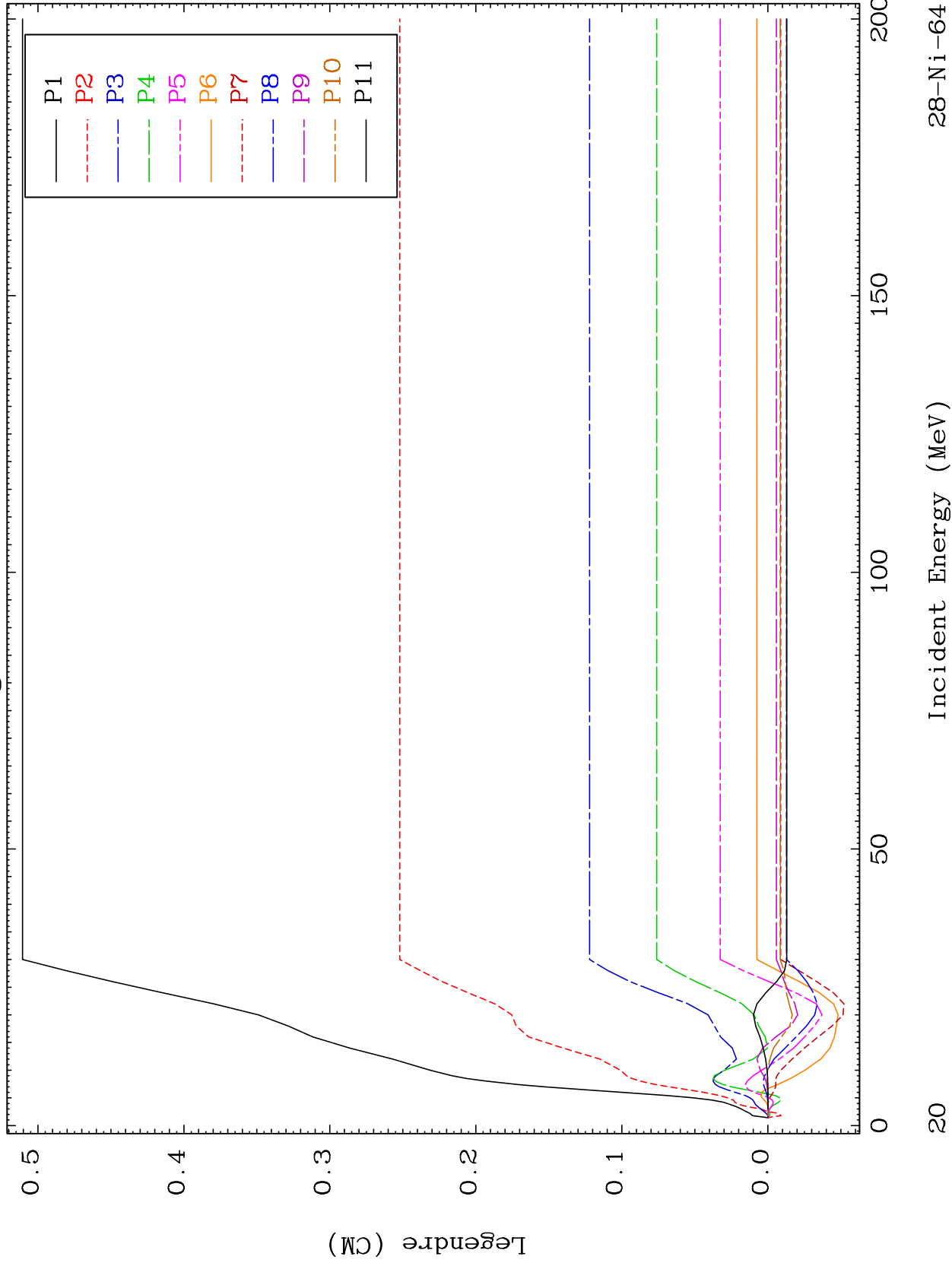
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

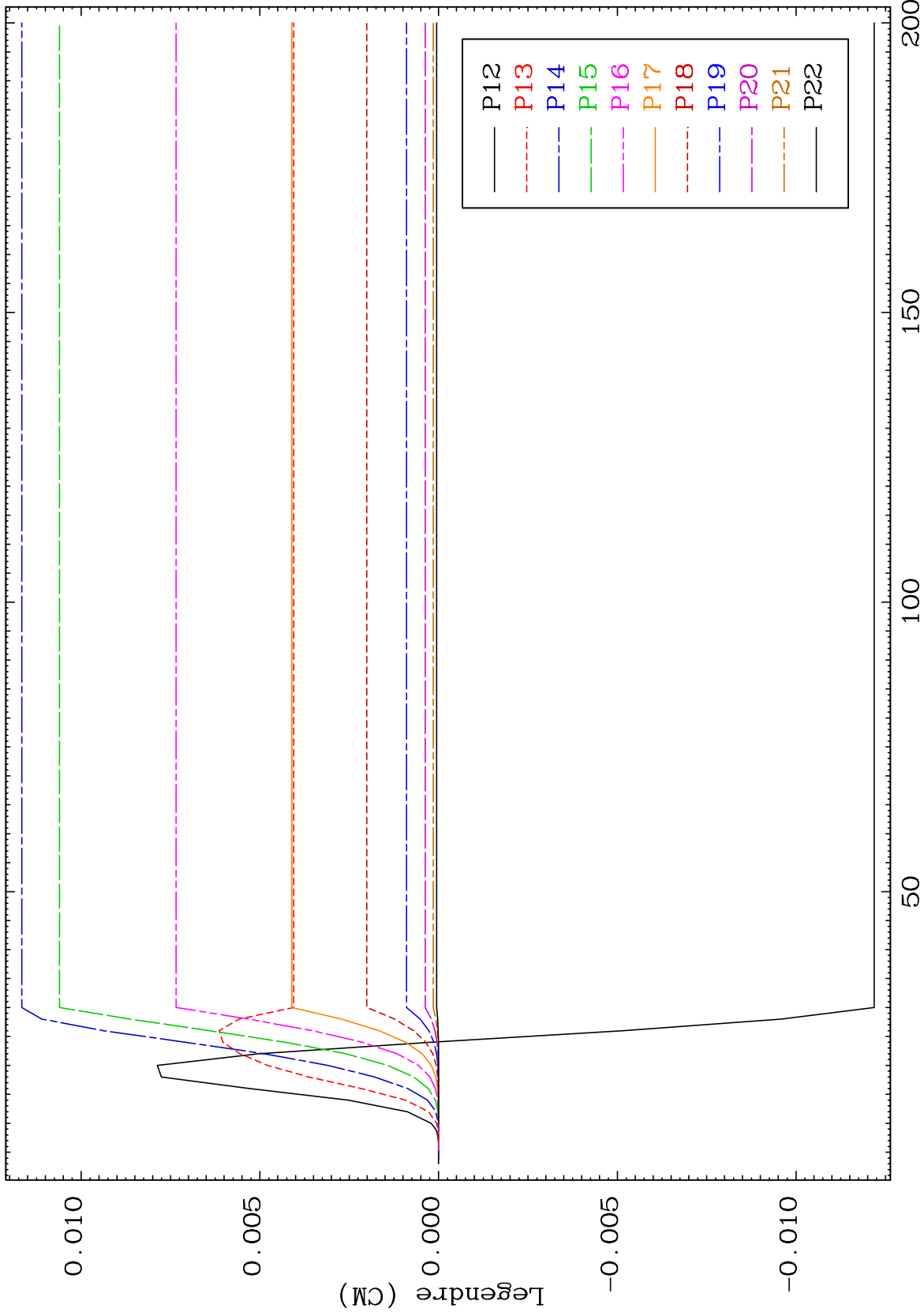
28-Ni-64



MAT 2843

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

28-Ni-64



21

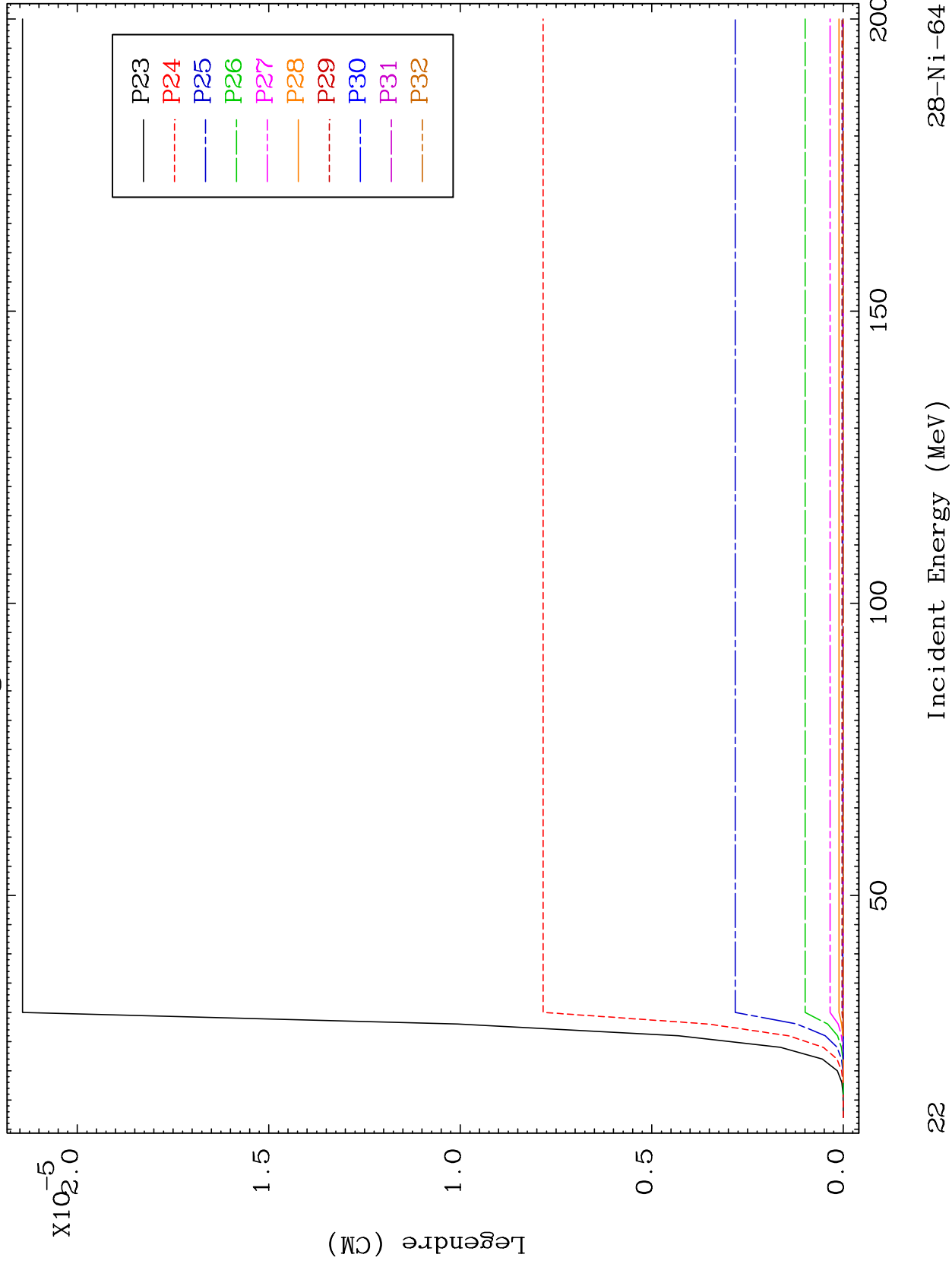
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

28-Ni-64

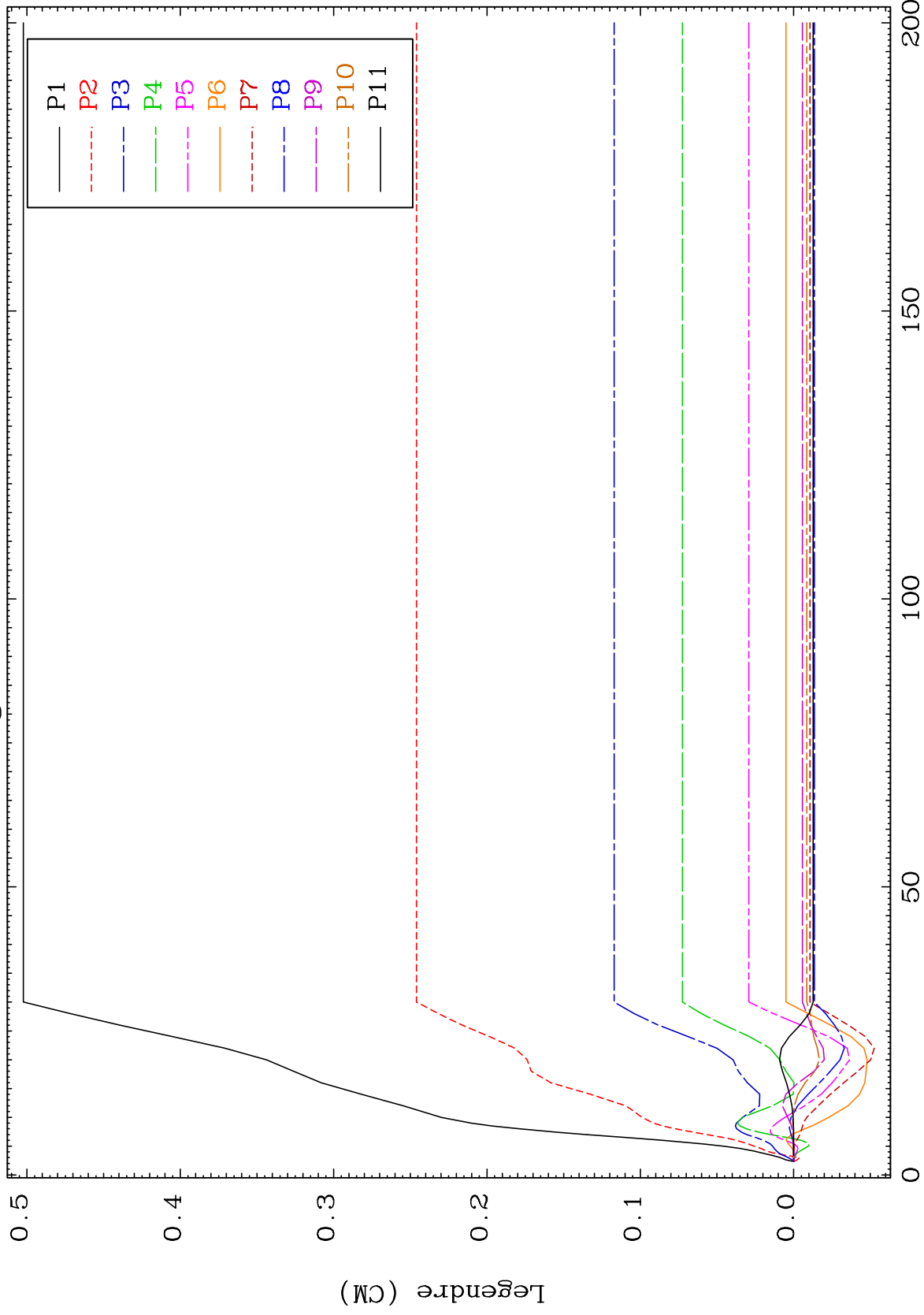


22

MAT 2843

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

28-Ni-64



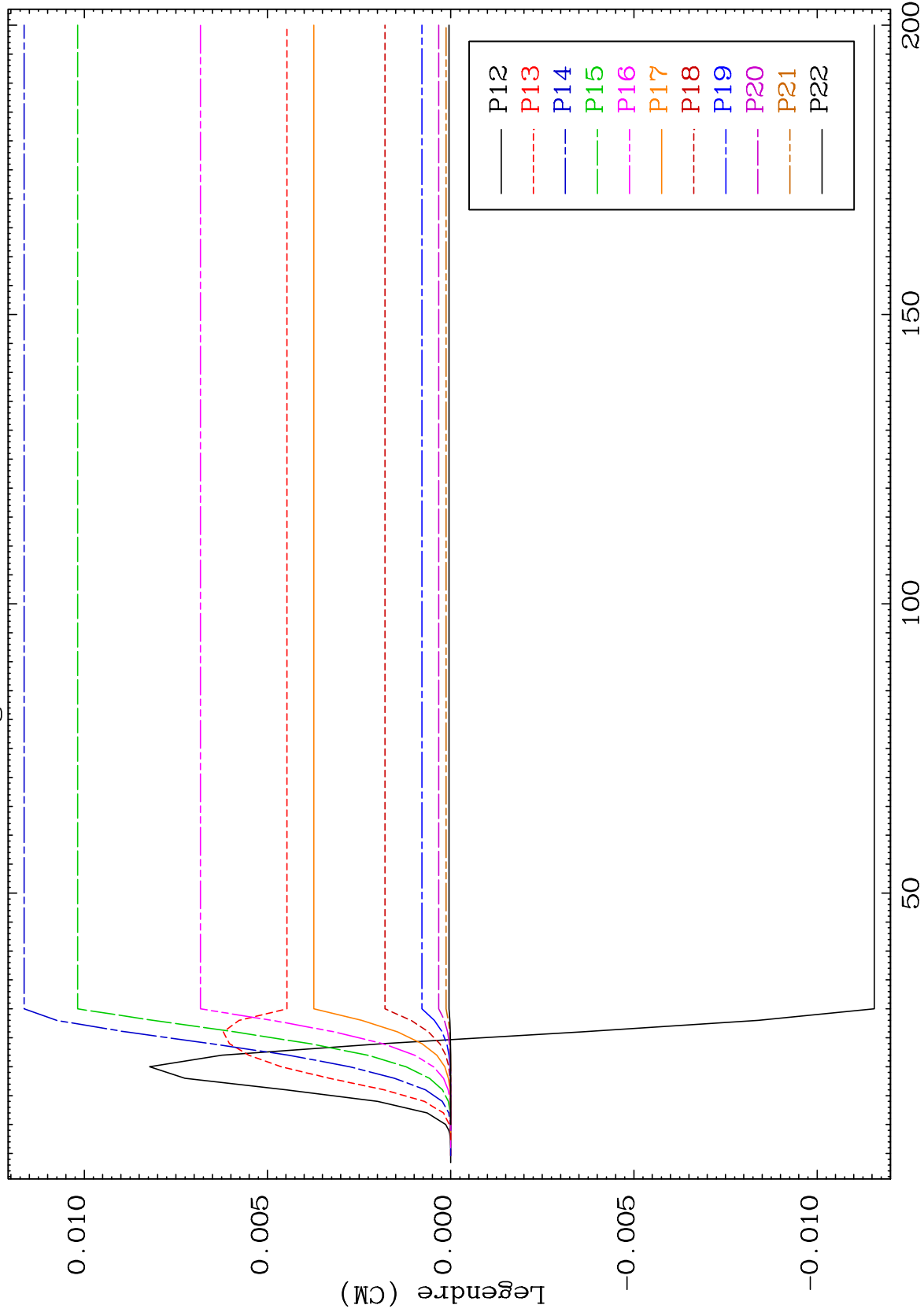
23

28-Ni-64

MAT 2843

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

28-Ni-64



24

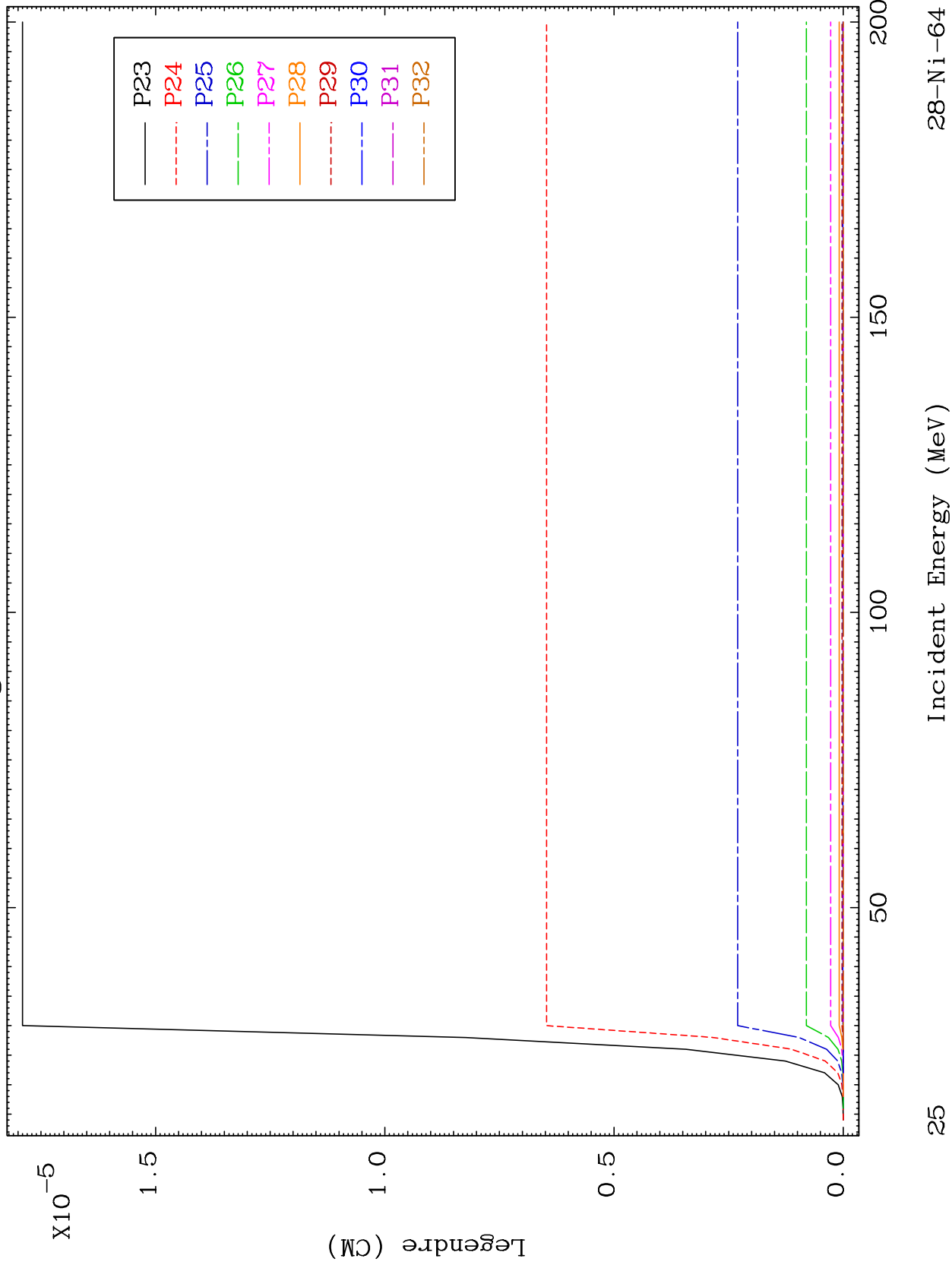
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

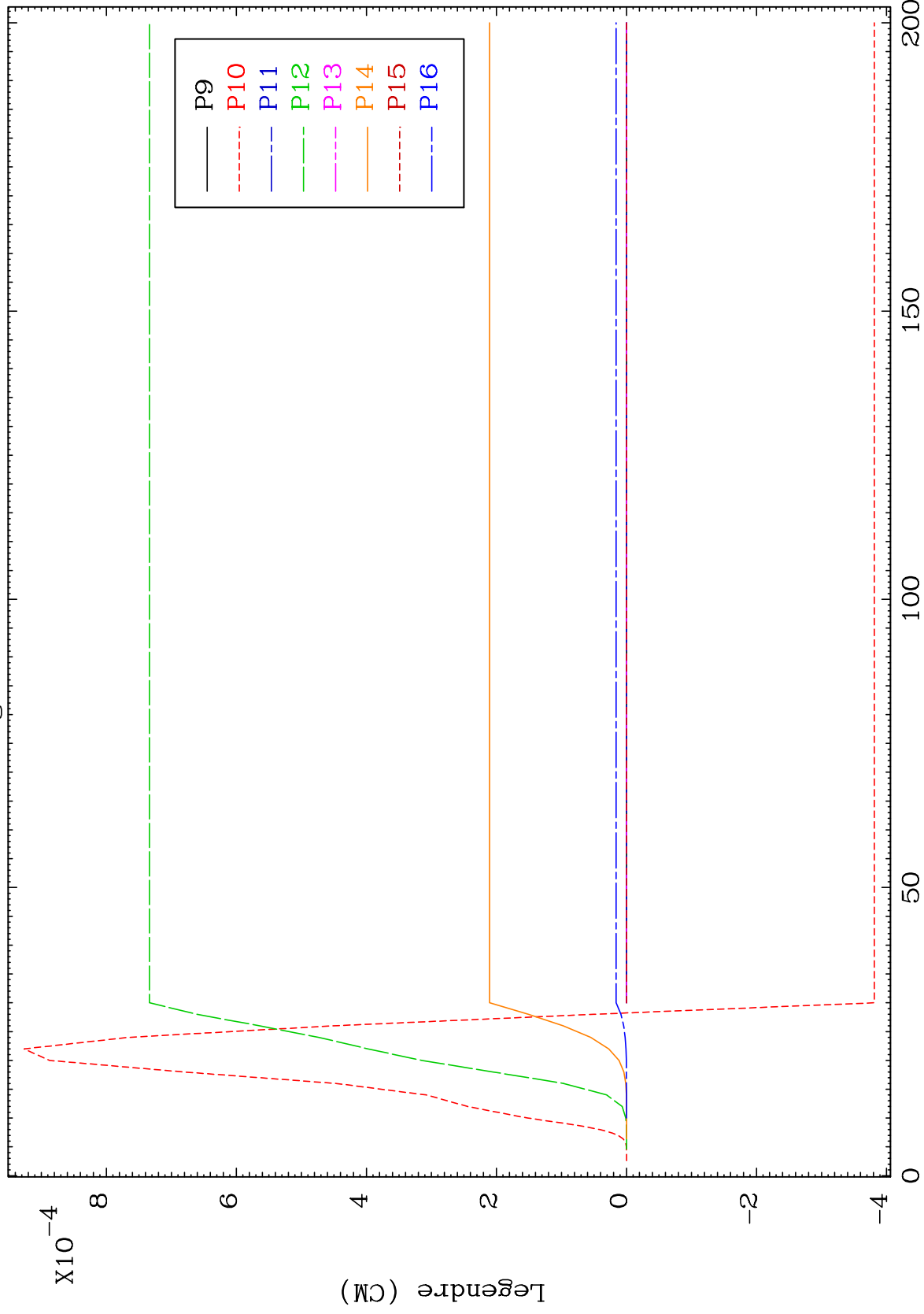
28-Ni-64



MAT 2843

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

28-Ni-64



27

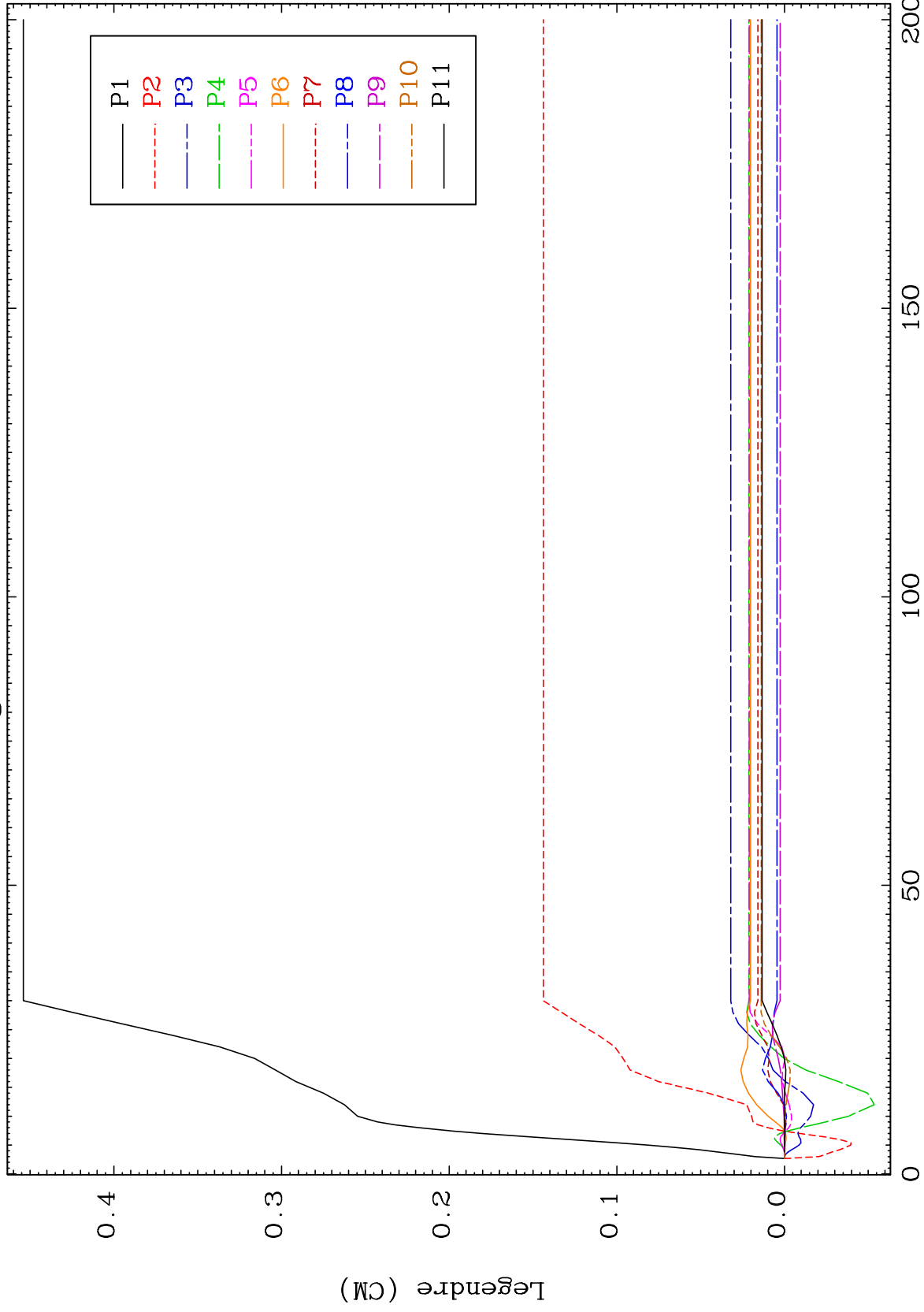
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

28-Ni-64



29

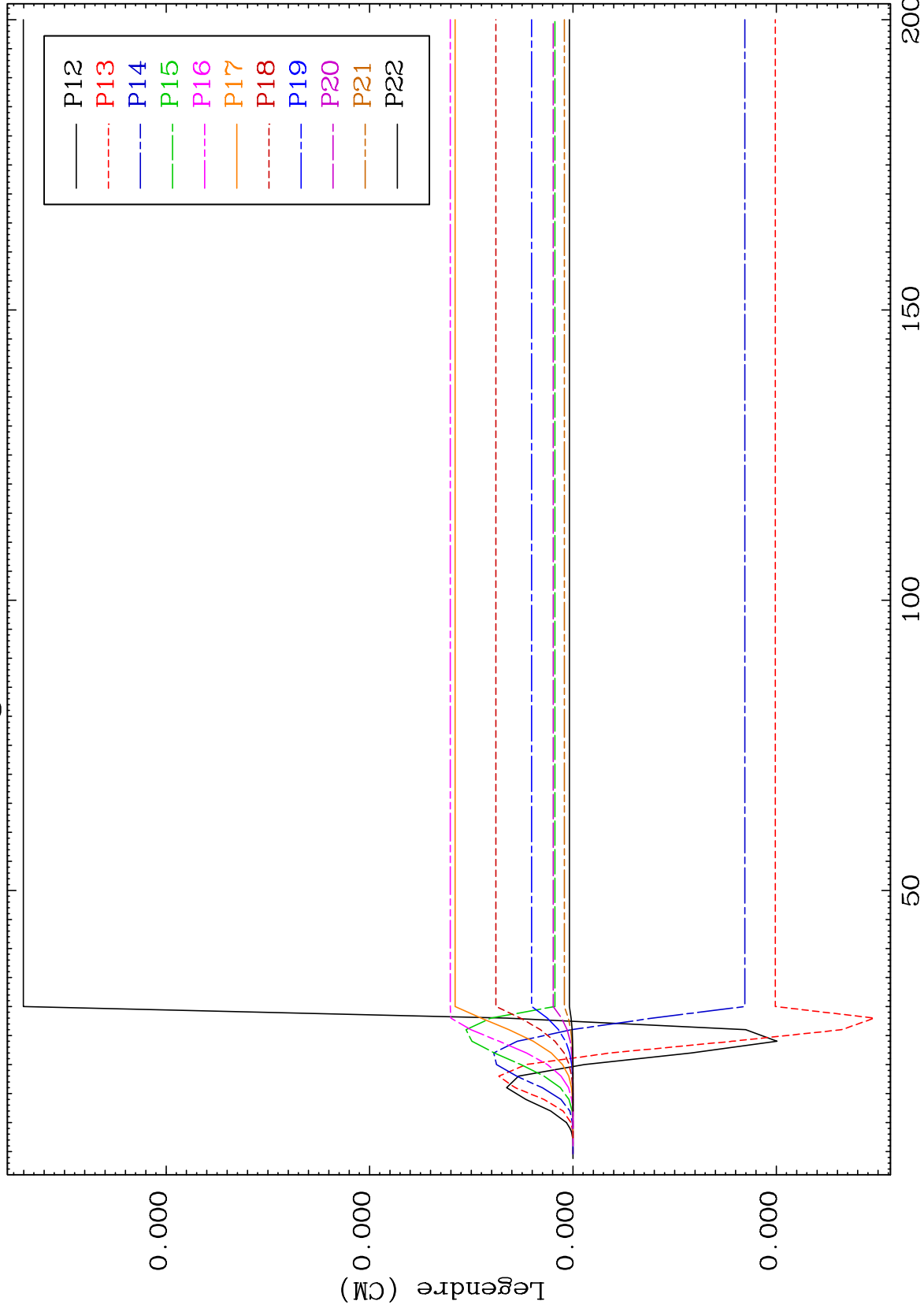
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

28-Ni-64



30

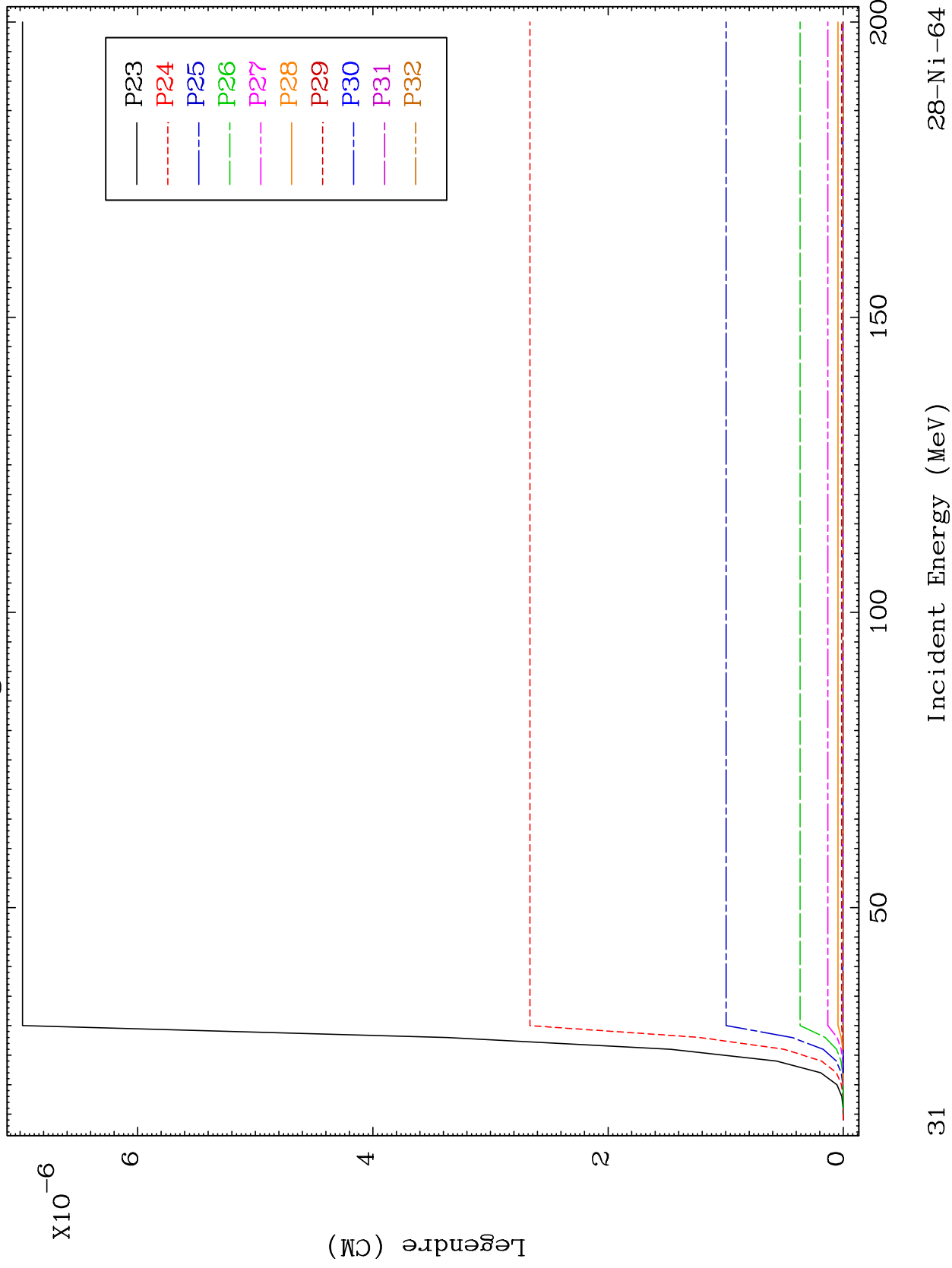
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

28-Ni-64



31

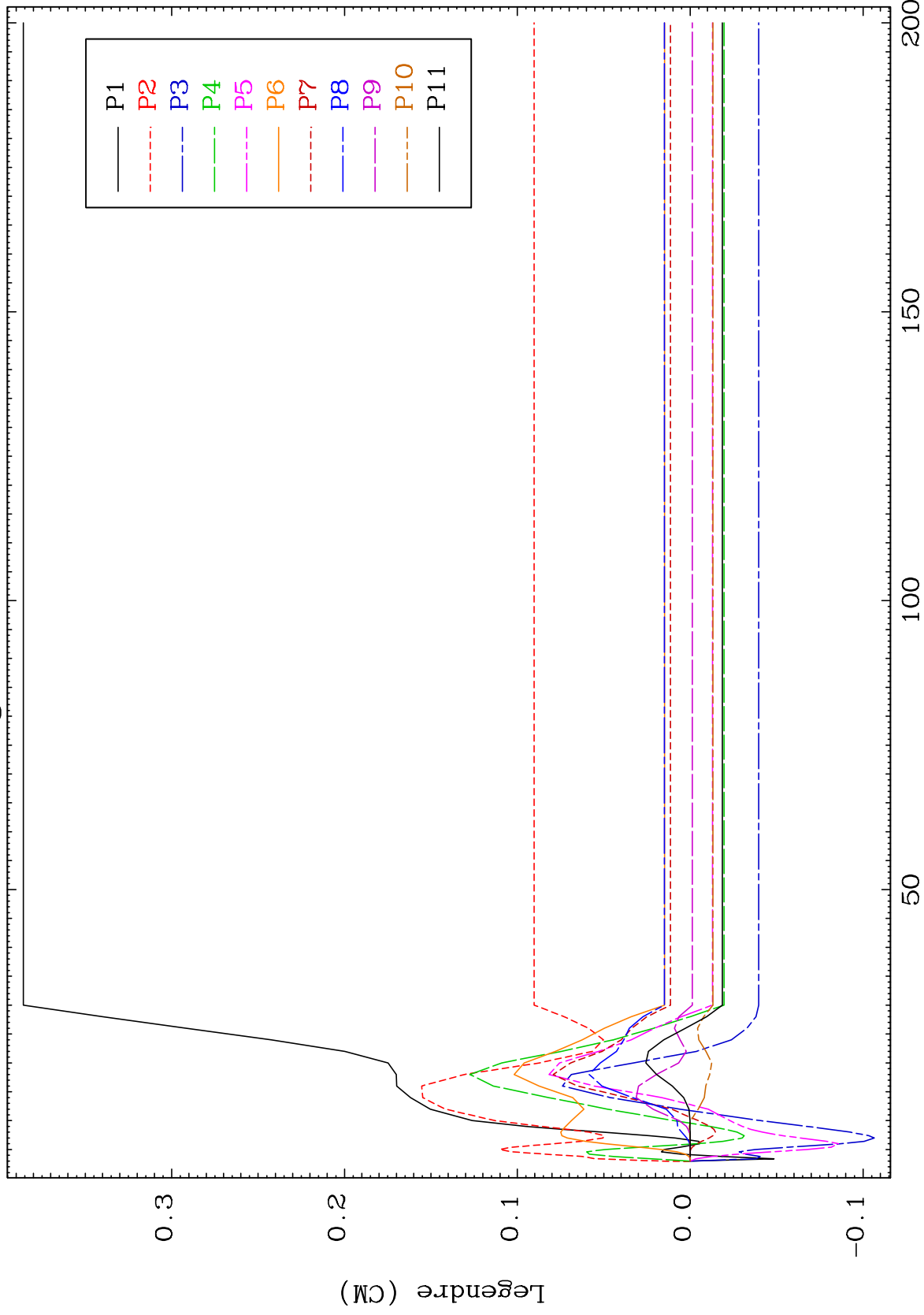
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

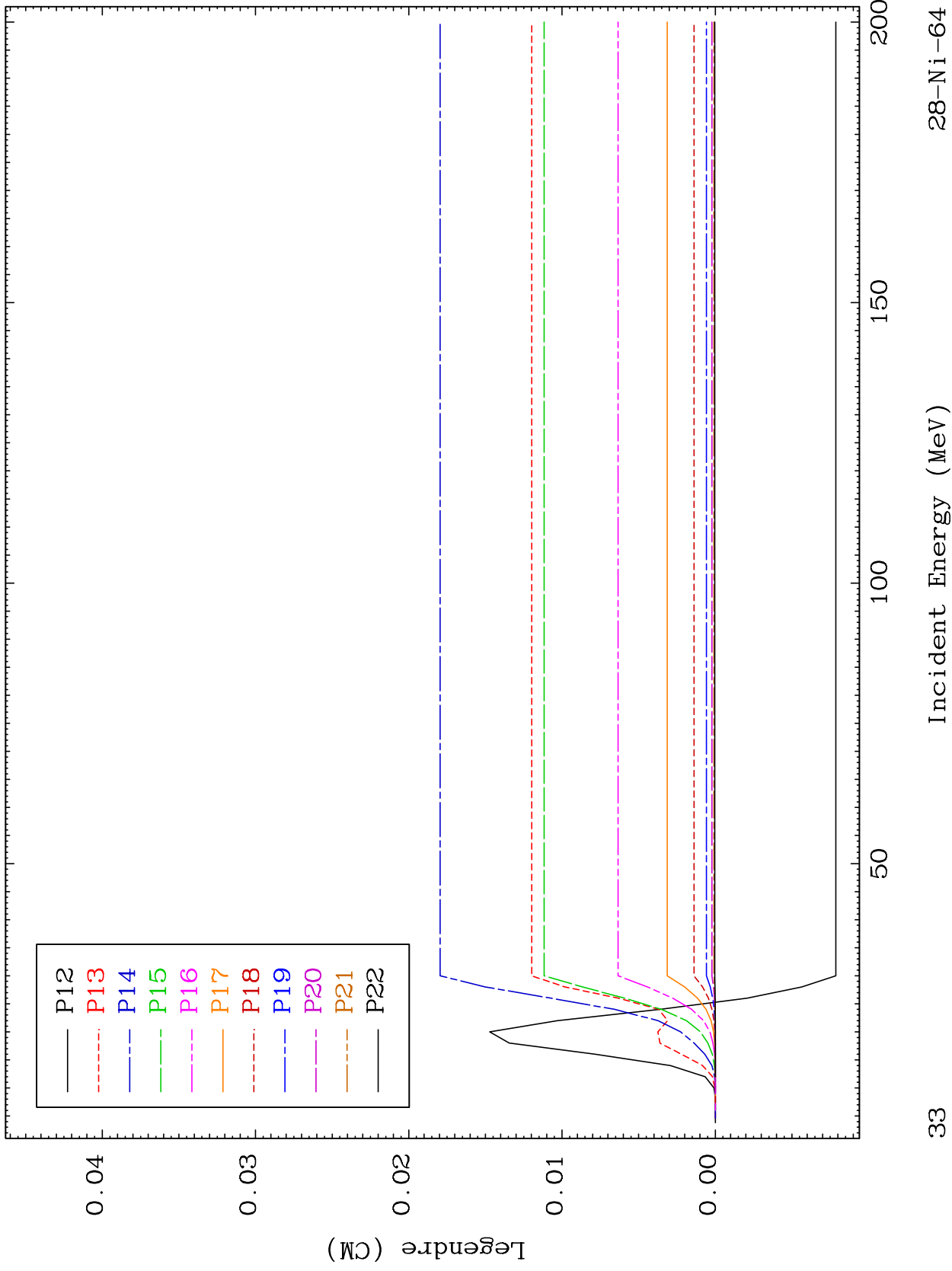
28-Ni-64



32

Incident Energy (MeV)

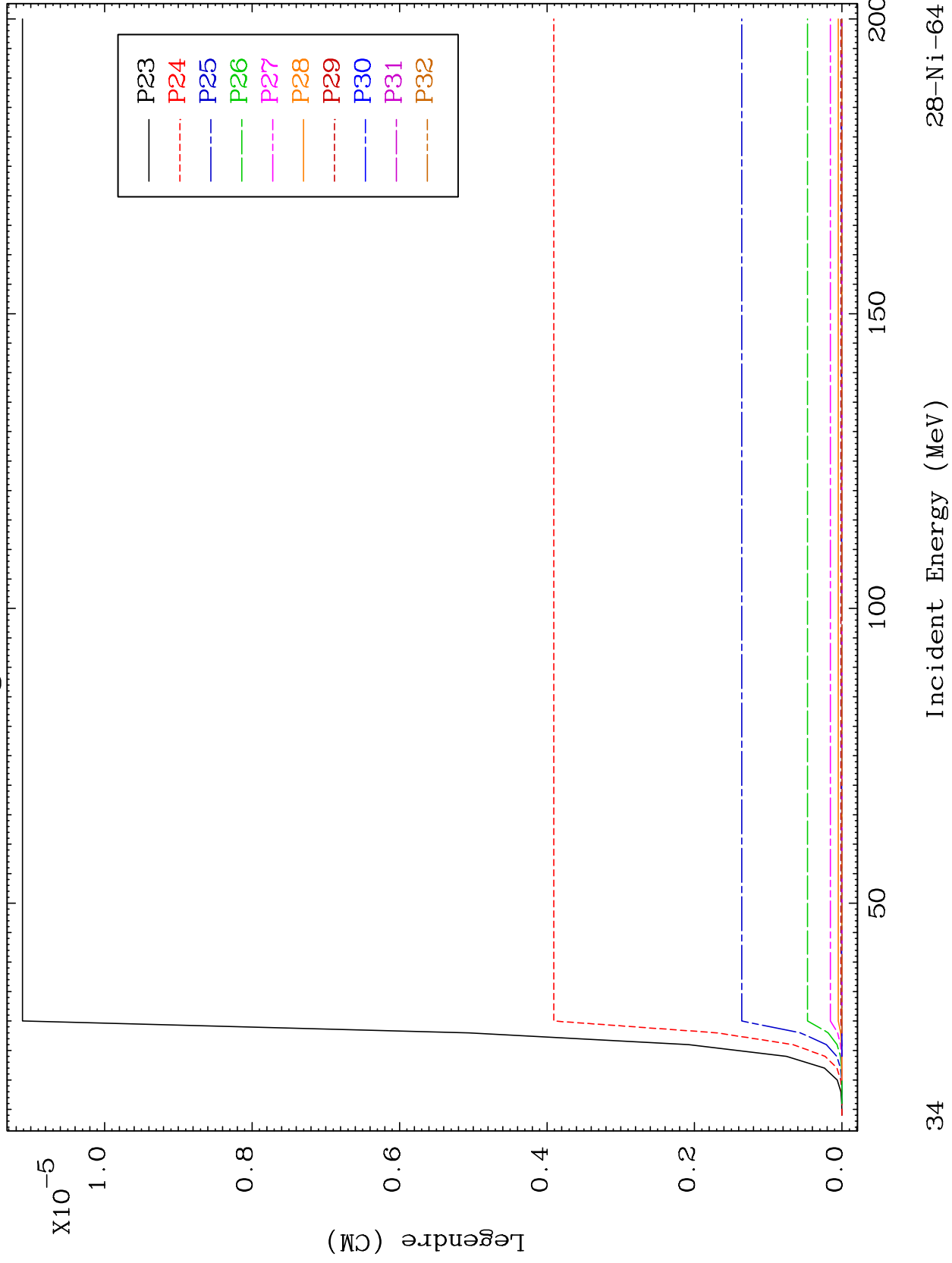
28-Ni-64



MAT 2843

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

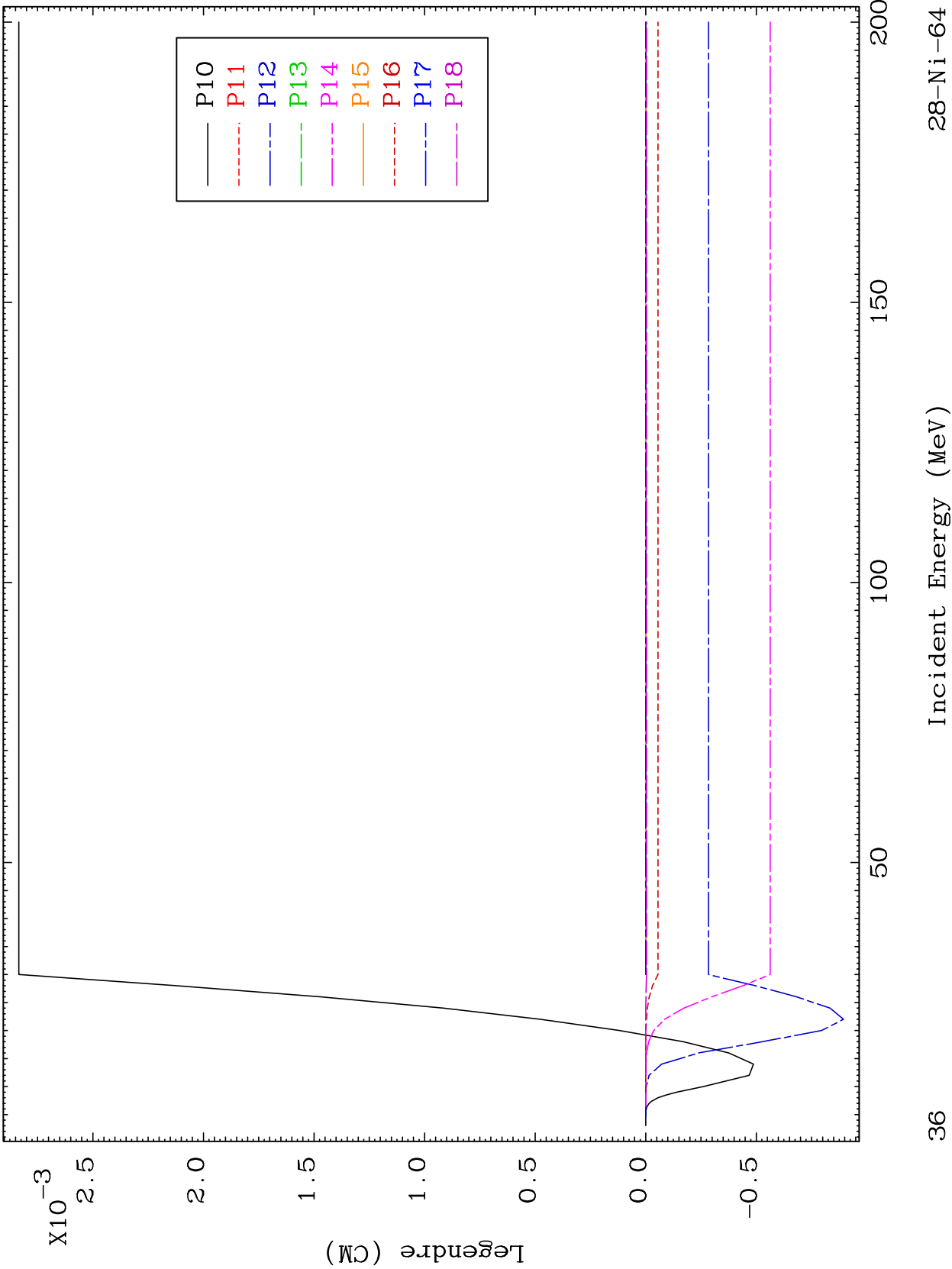
28-Ni-64



MAT 2843

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

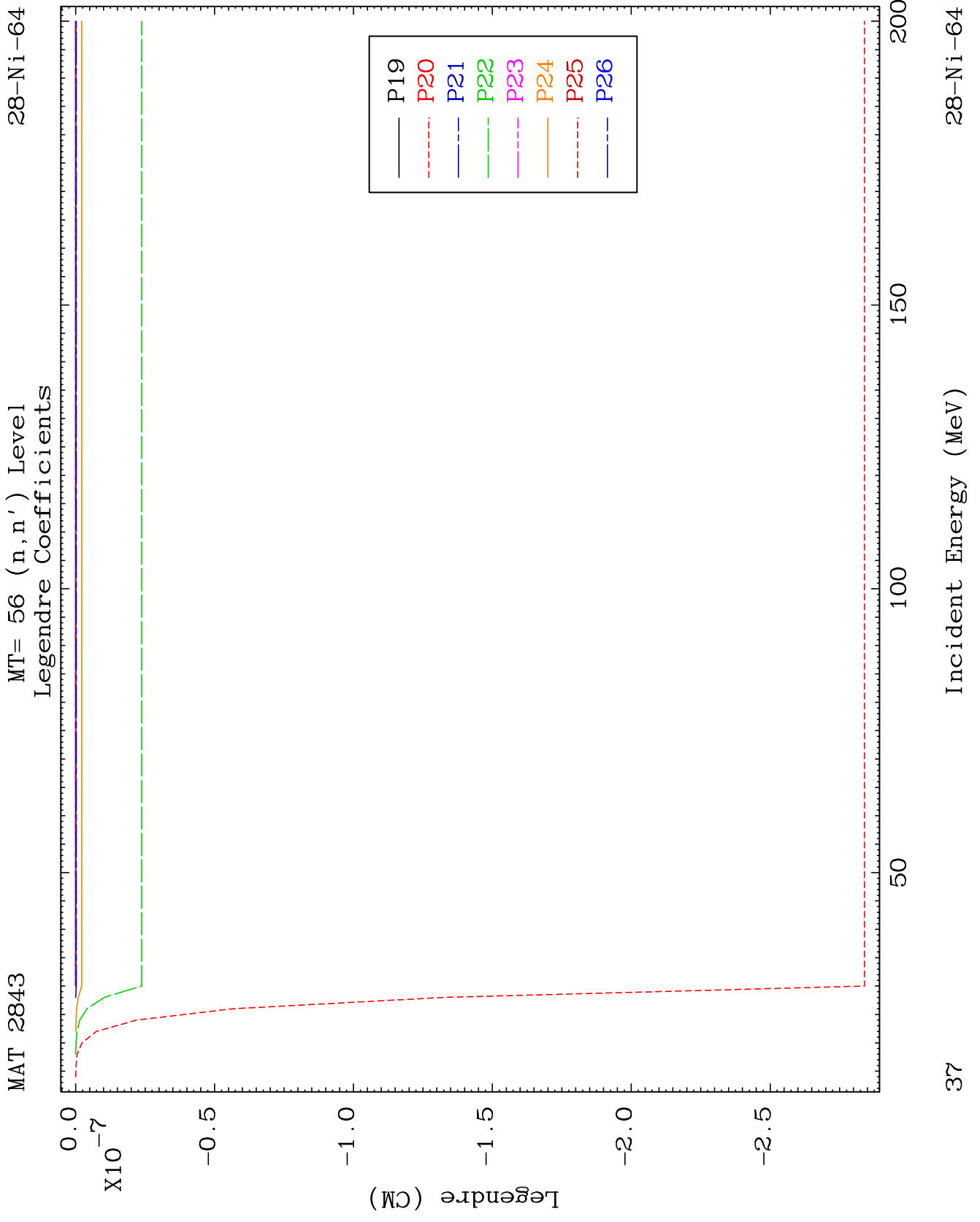
28-Ni-64



36

Incident Energy (MeV)

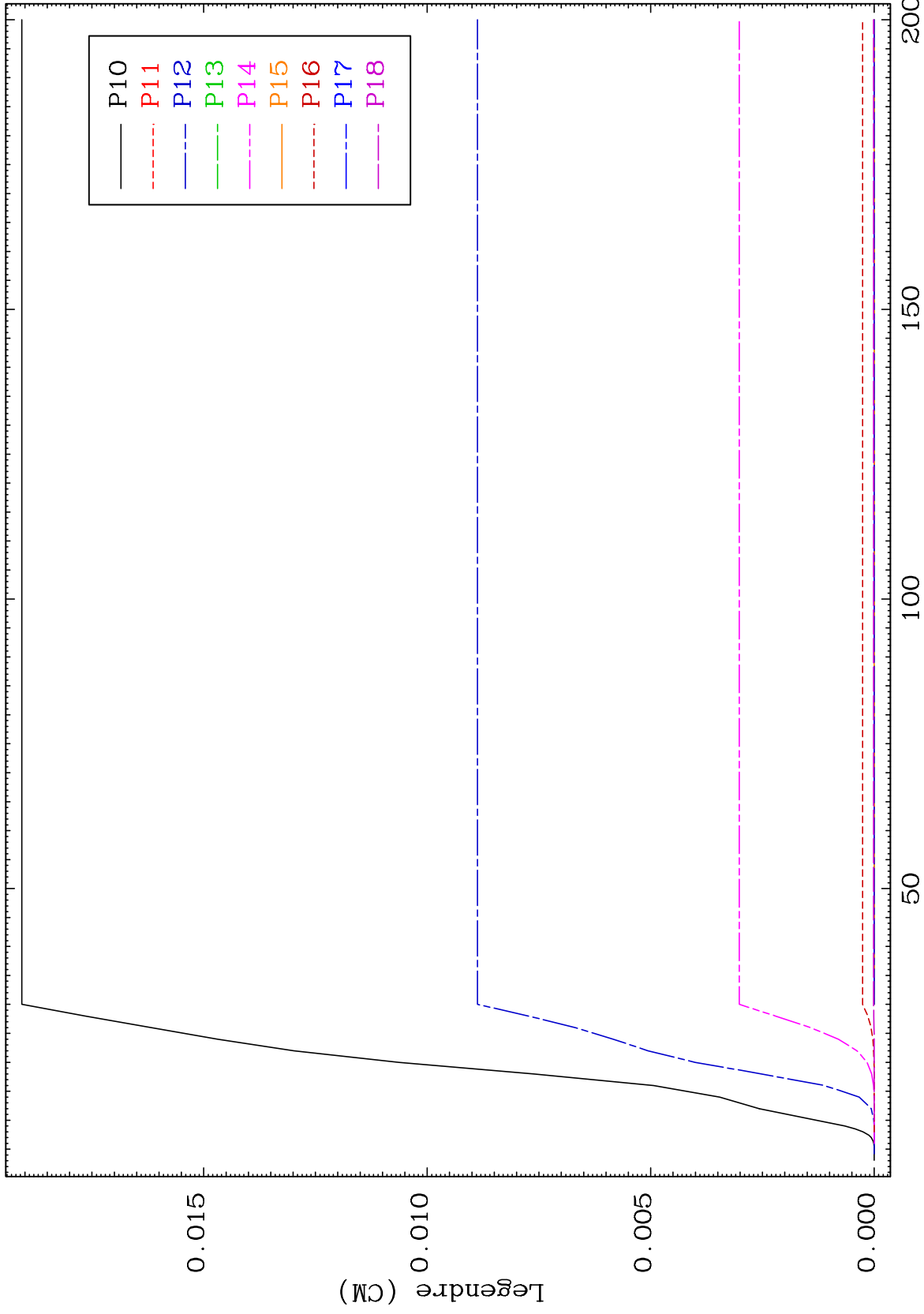
28-Ni-64



MAT 2843

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

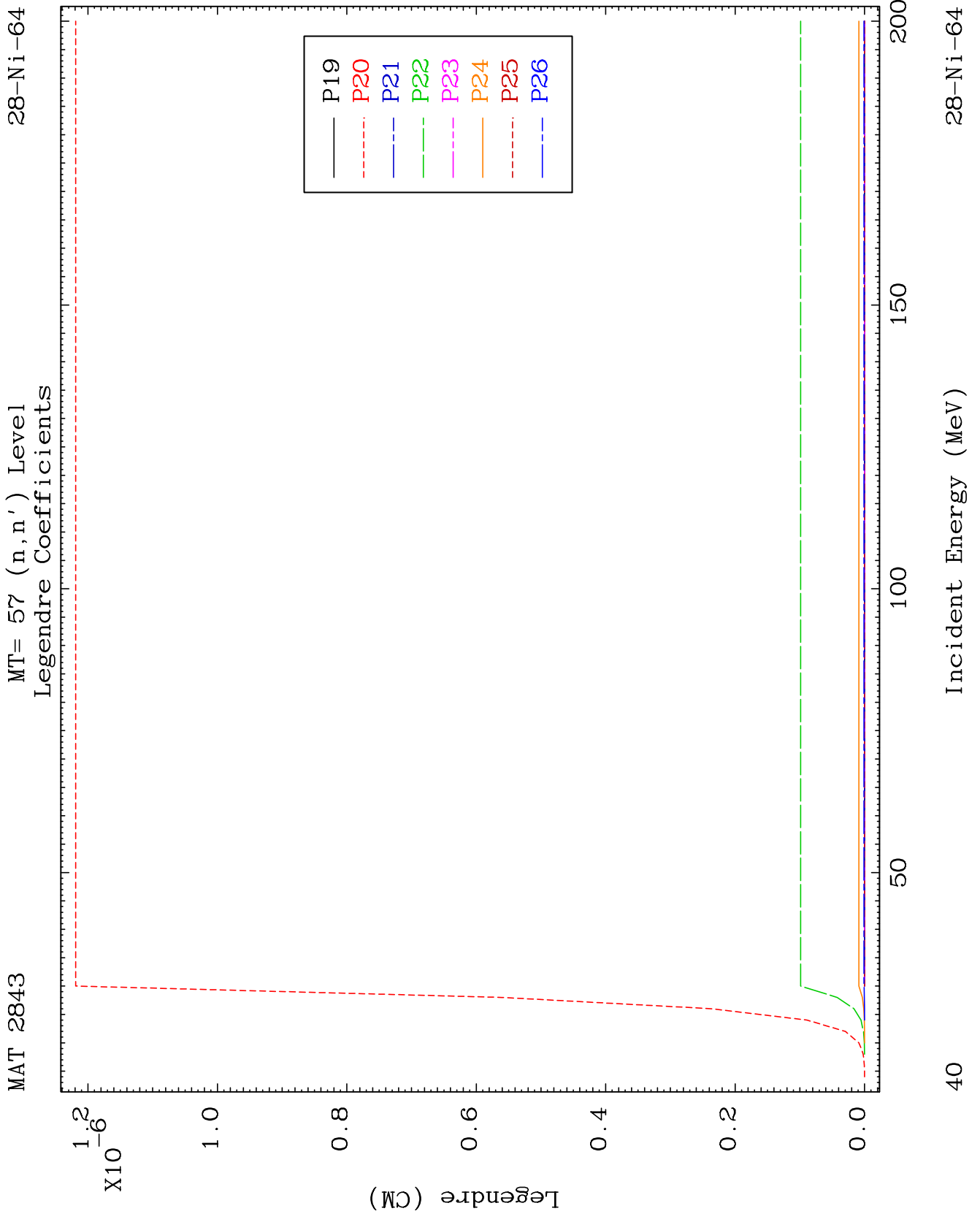
28-Ni-64



39

Incident Energy (MeV)

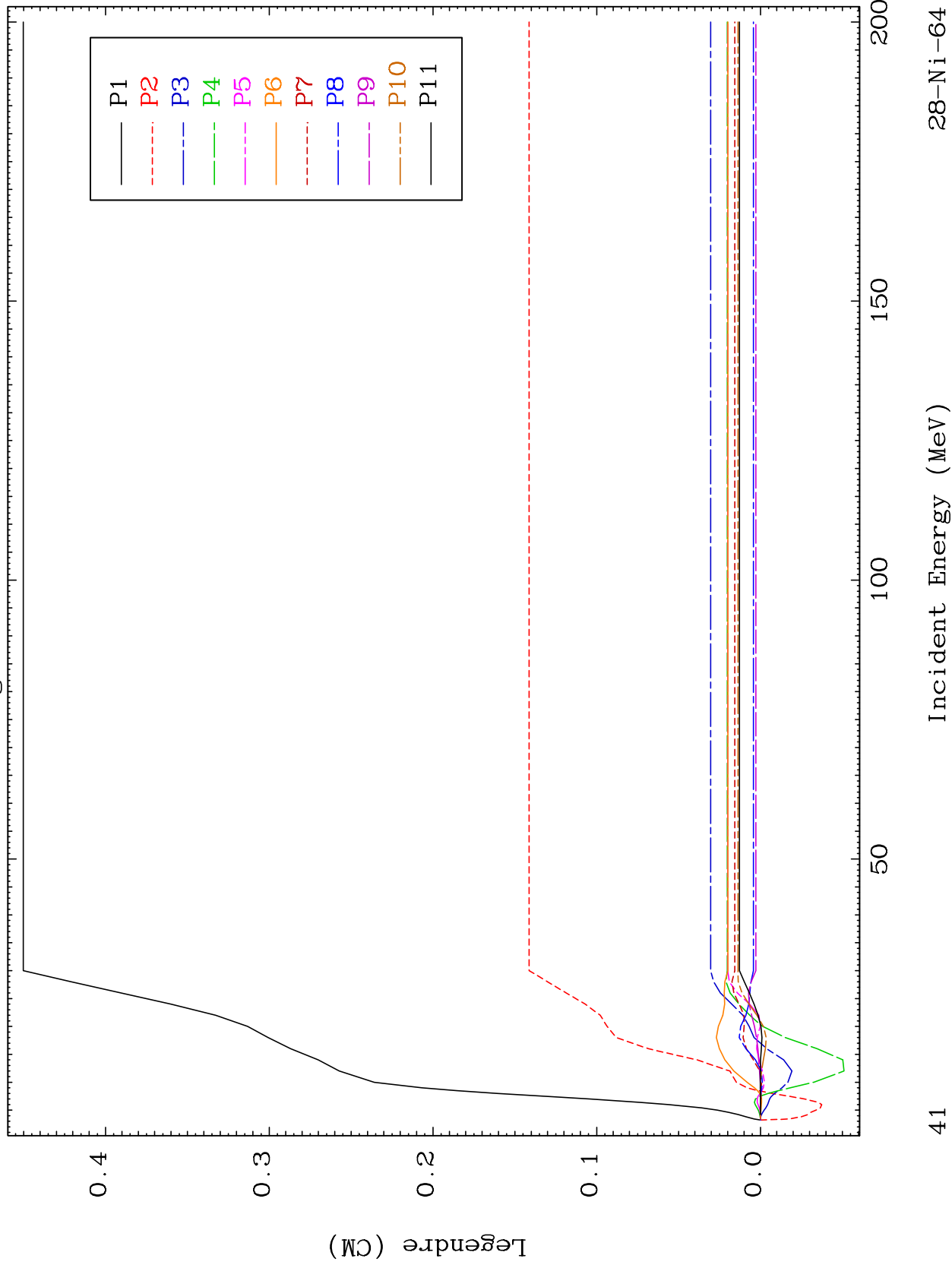
28-Ni-64



MAT 2843

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

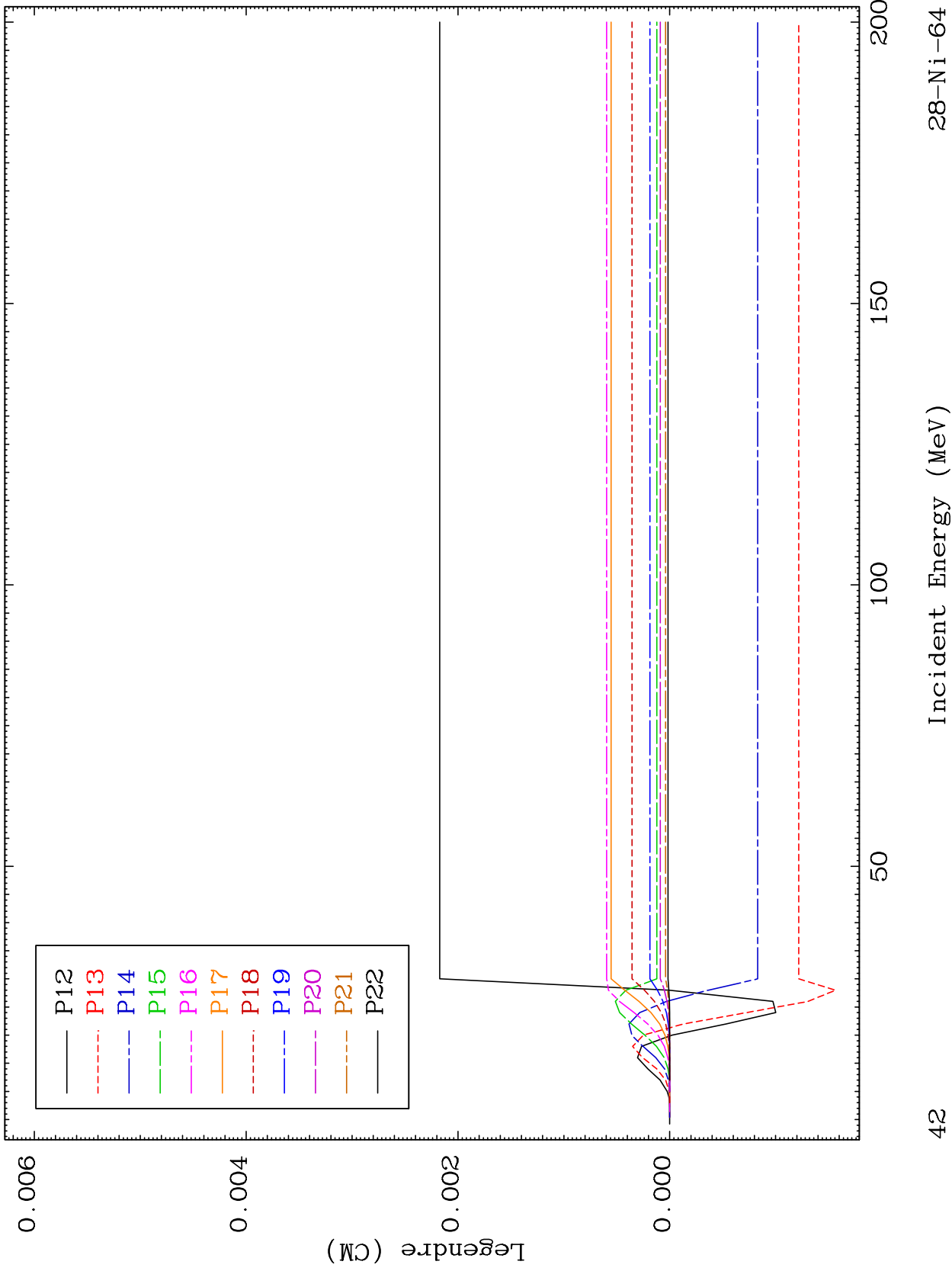
28-Ni-64



MAT 2843

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

28-Ni-64



28-Ni-64

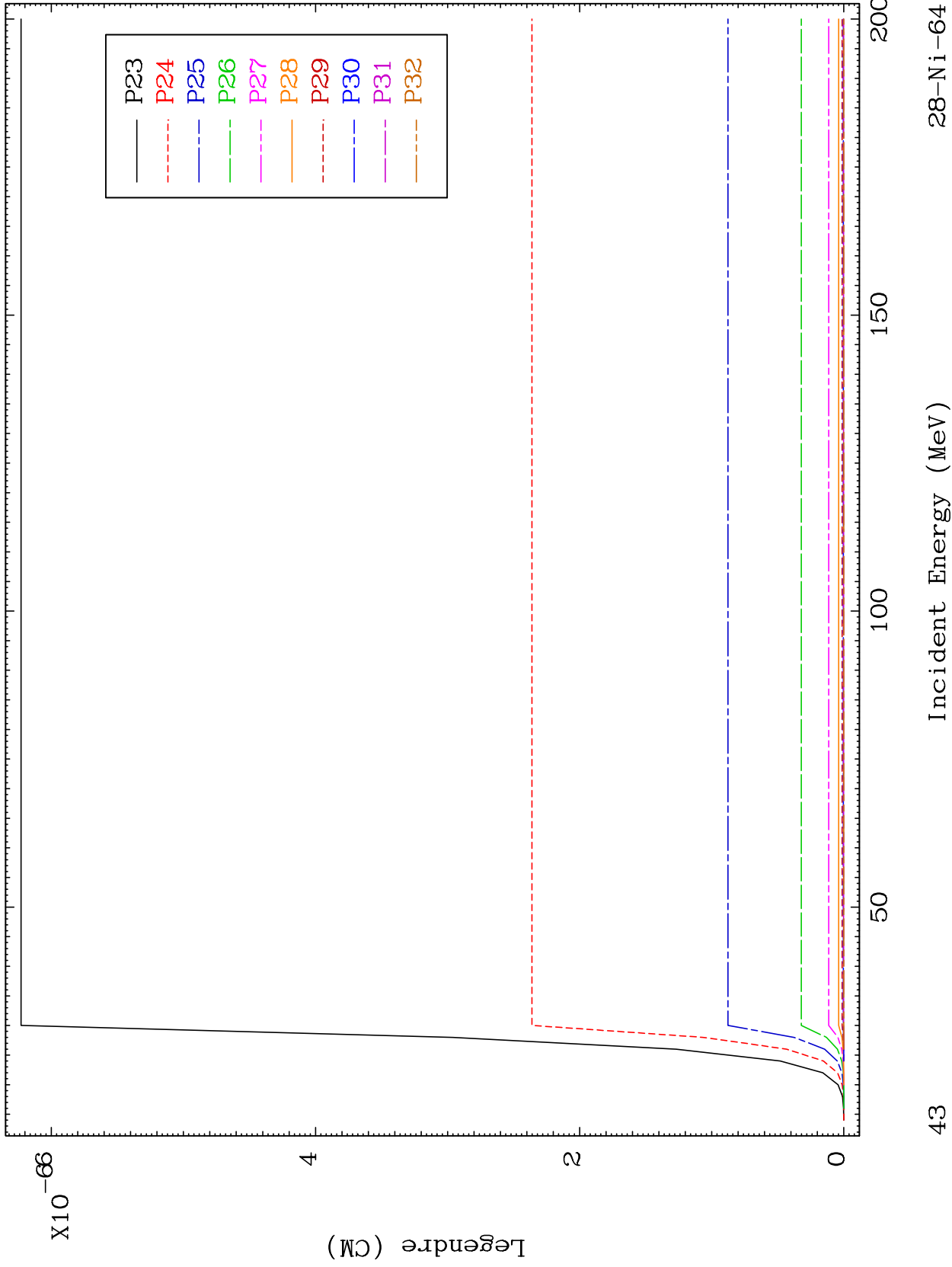
Incident Energy (MeV)

42

MAT 2843

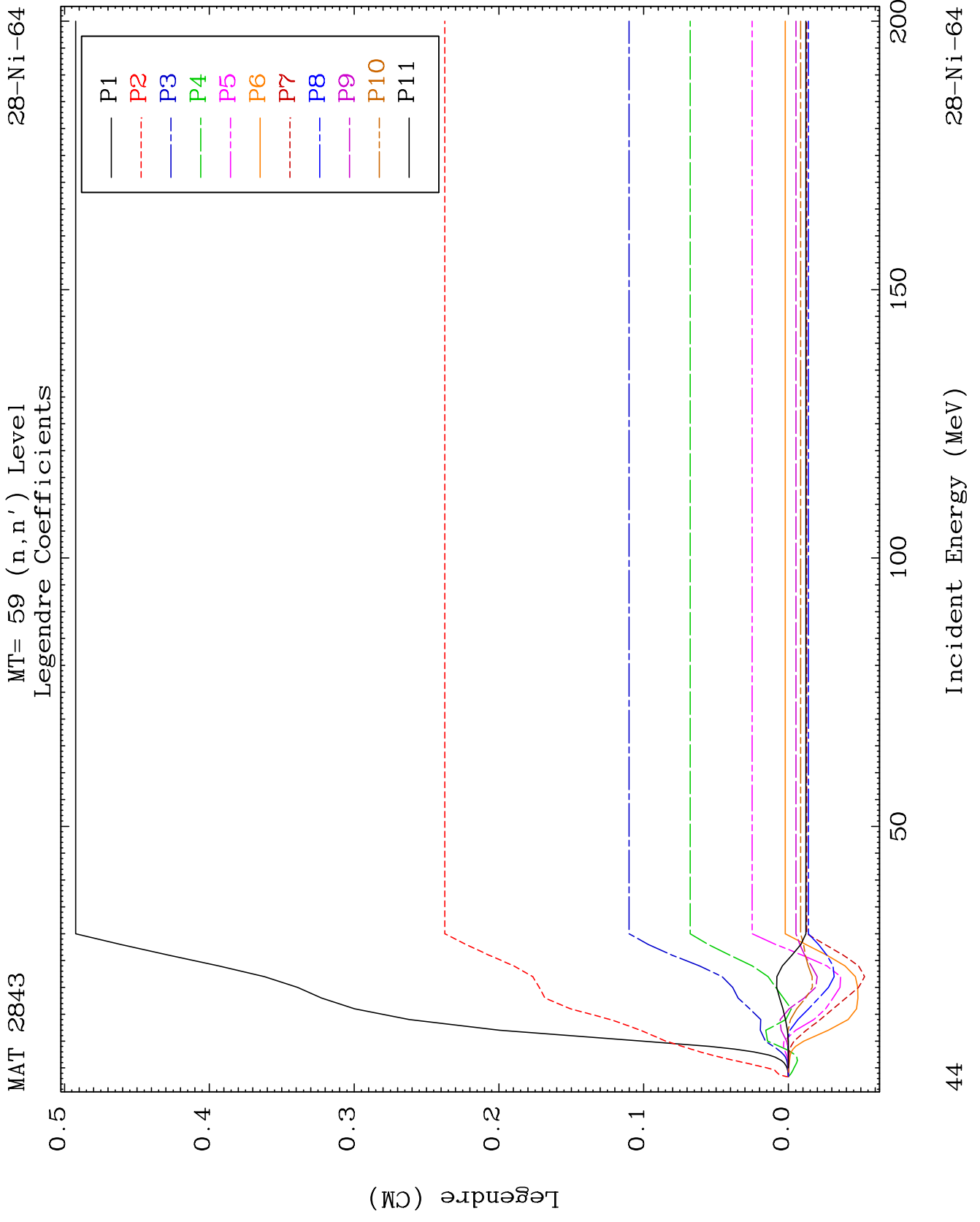
MT= 58 (n,n') Level
Legendre Coefficients

28-Ni-64



43

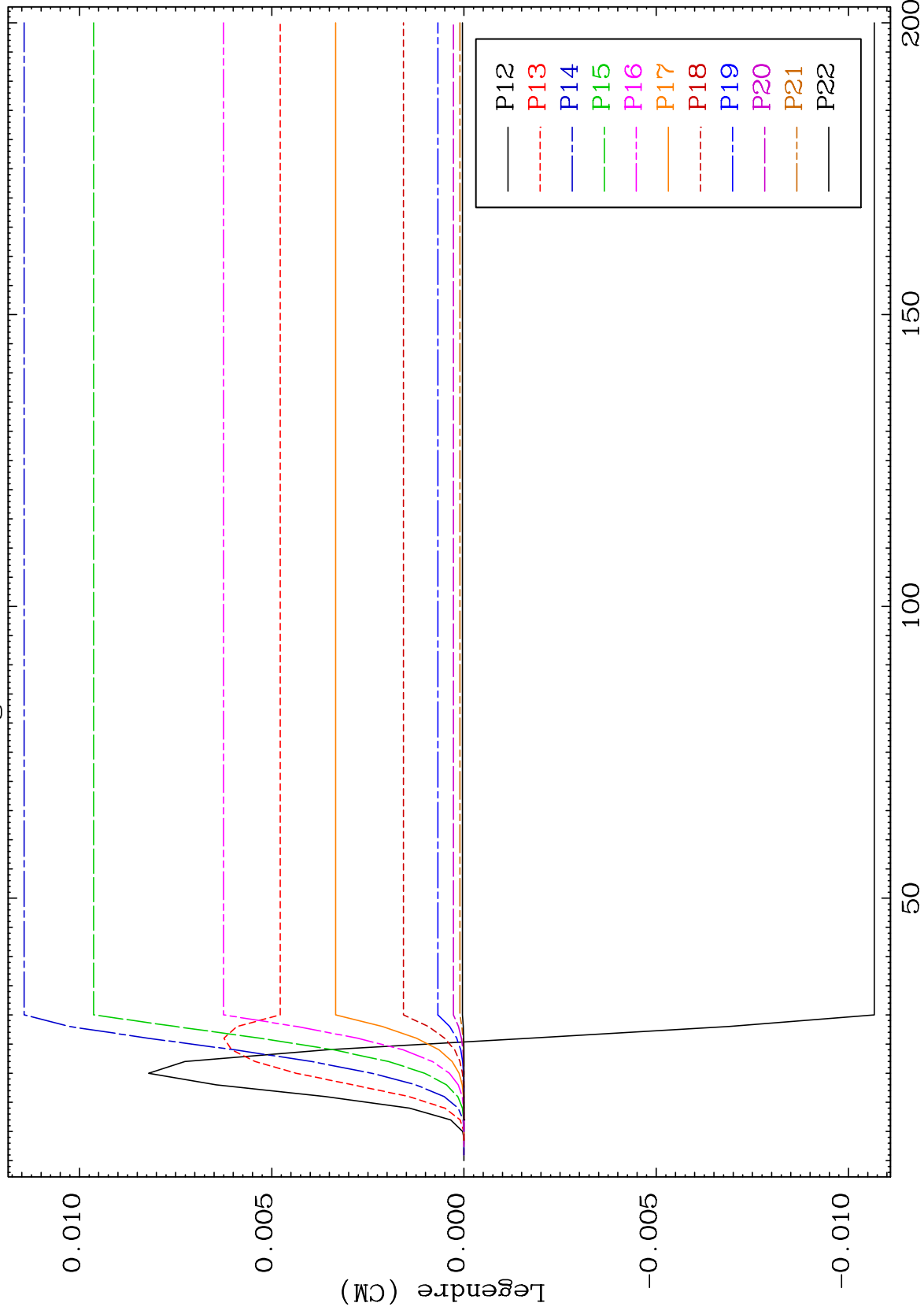
28-Ni-64



MAT 2843

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

28-Ni-64



45

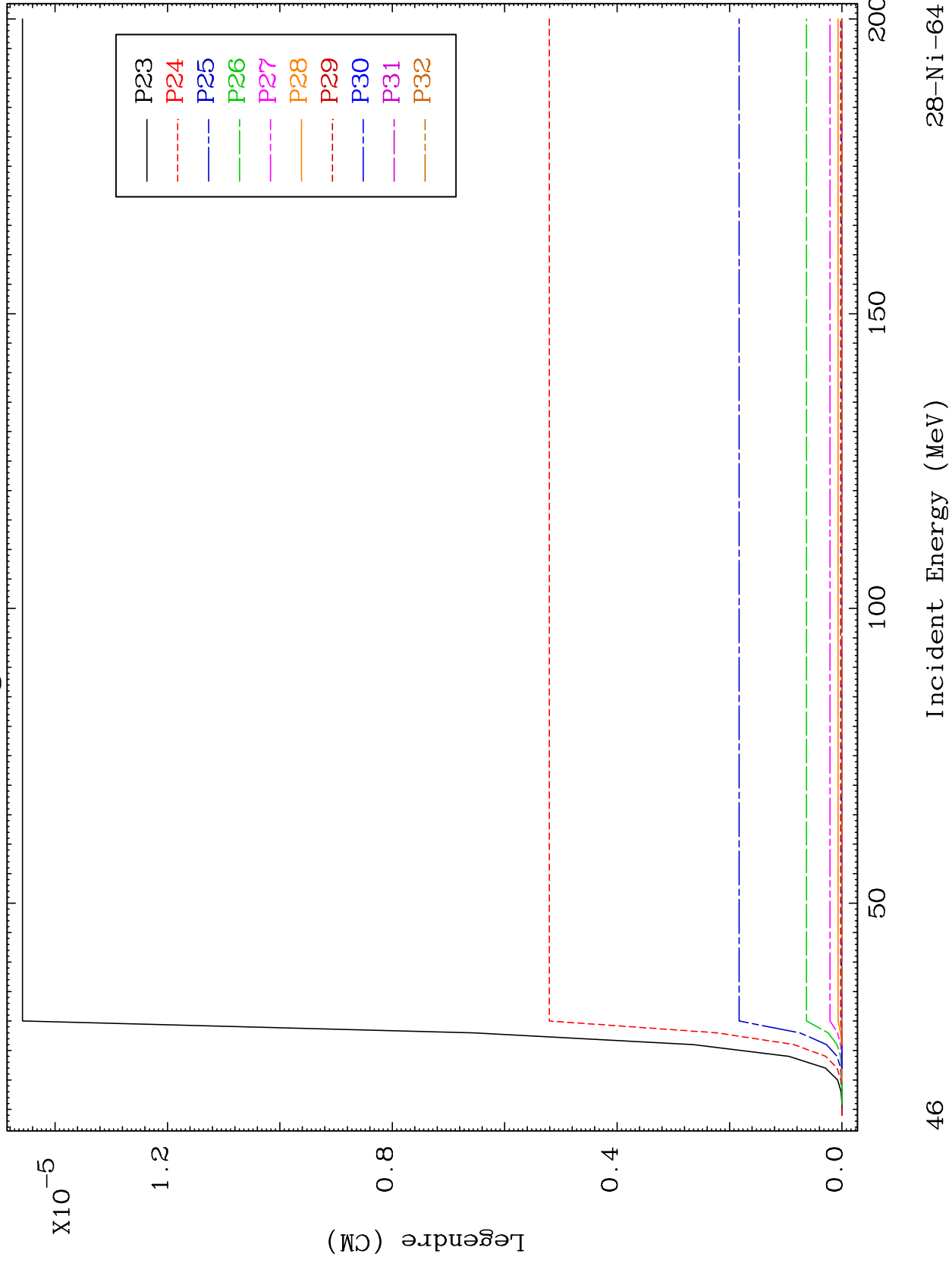
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

28-Ni-64



46

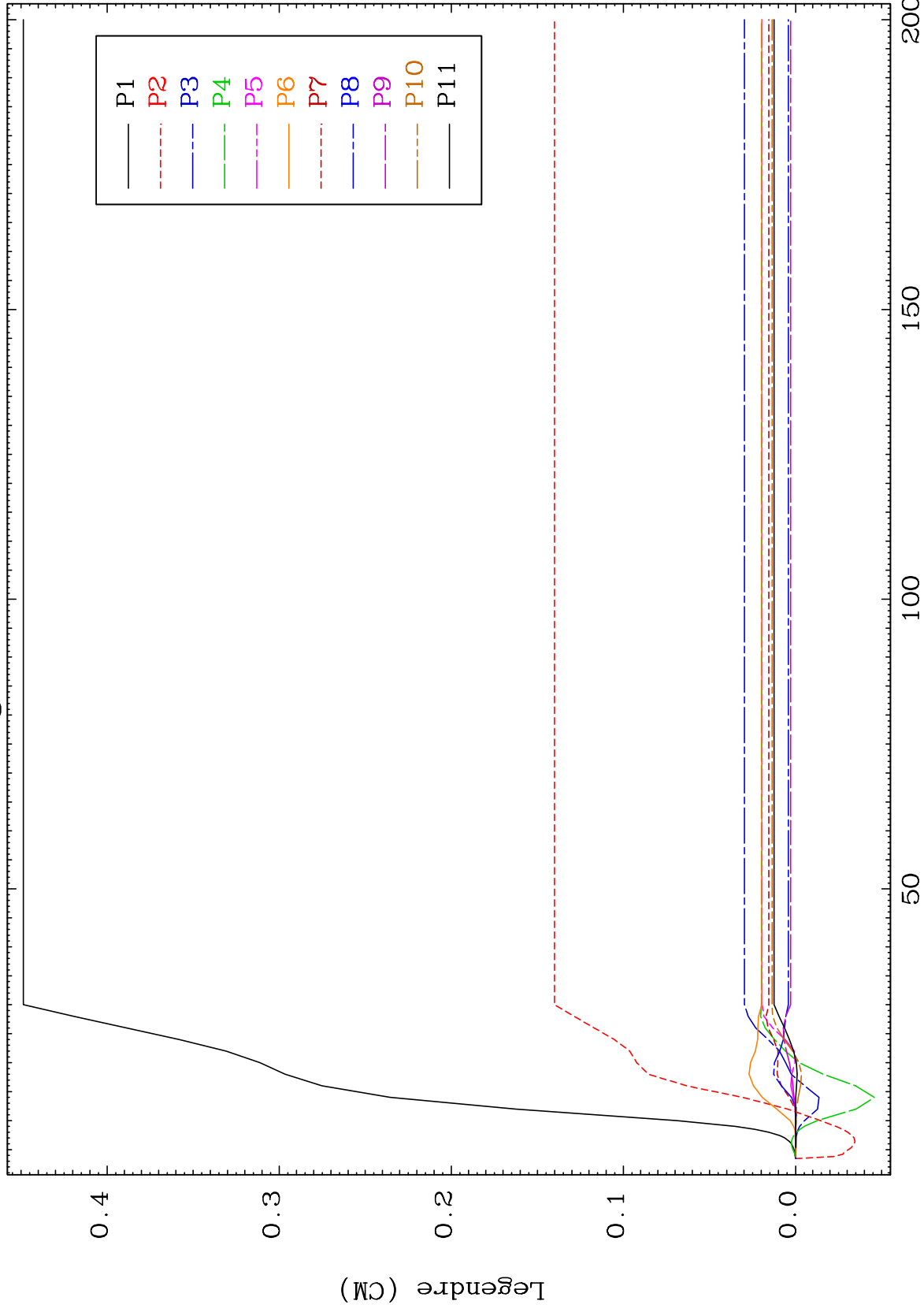
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

28-Ni-64



47

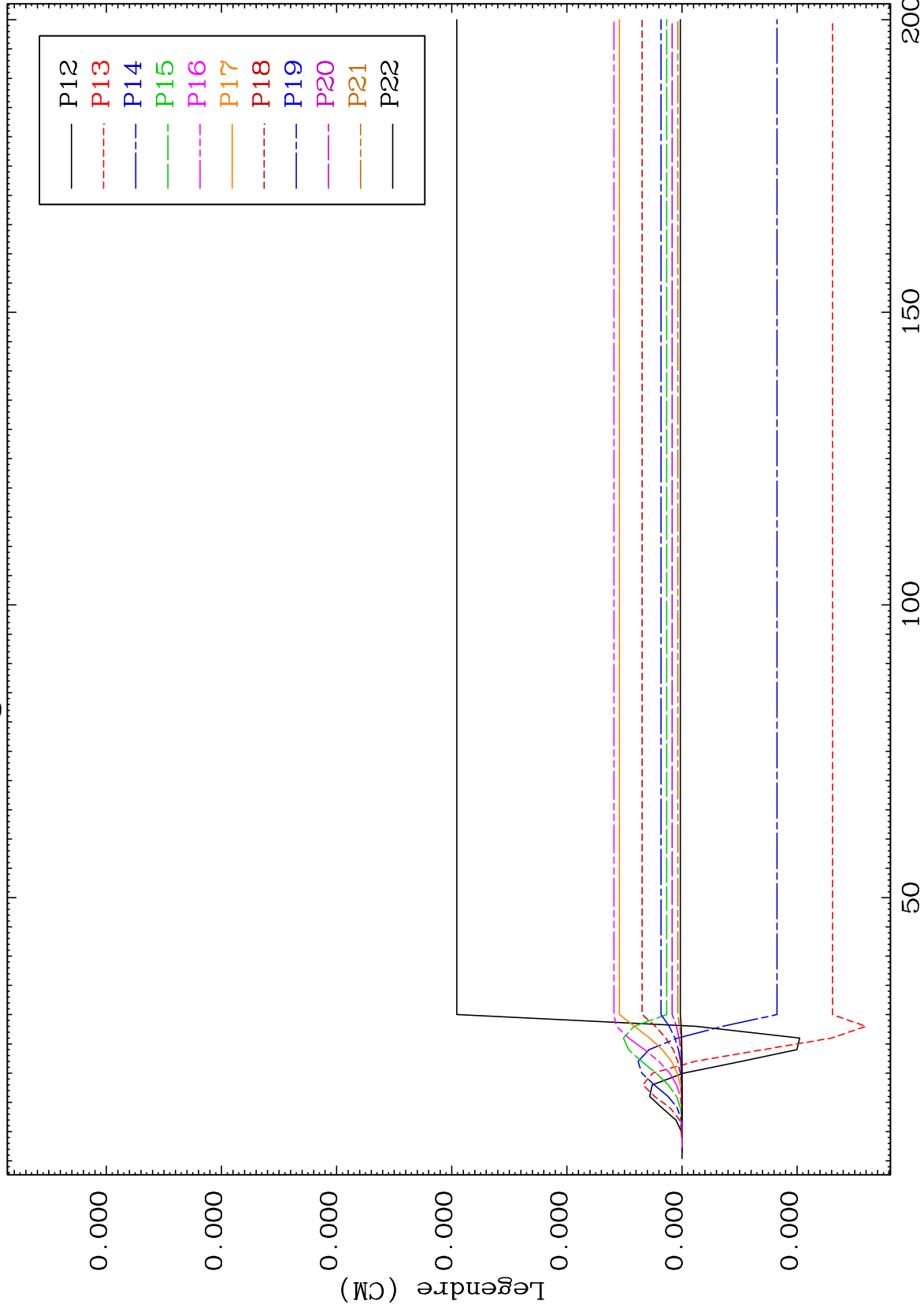
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

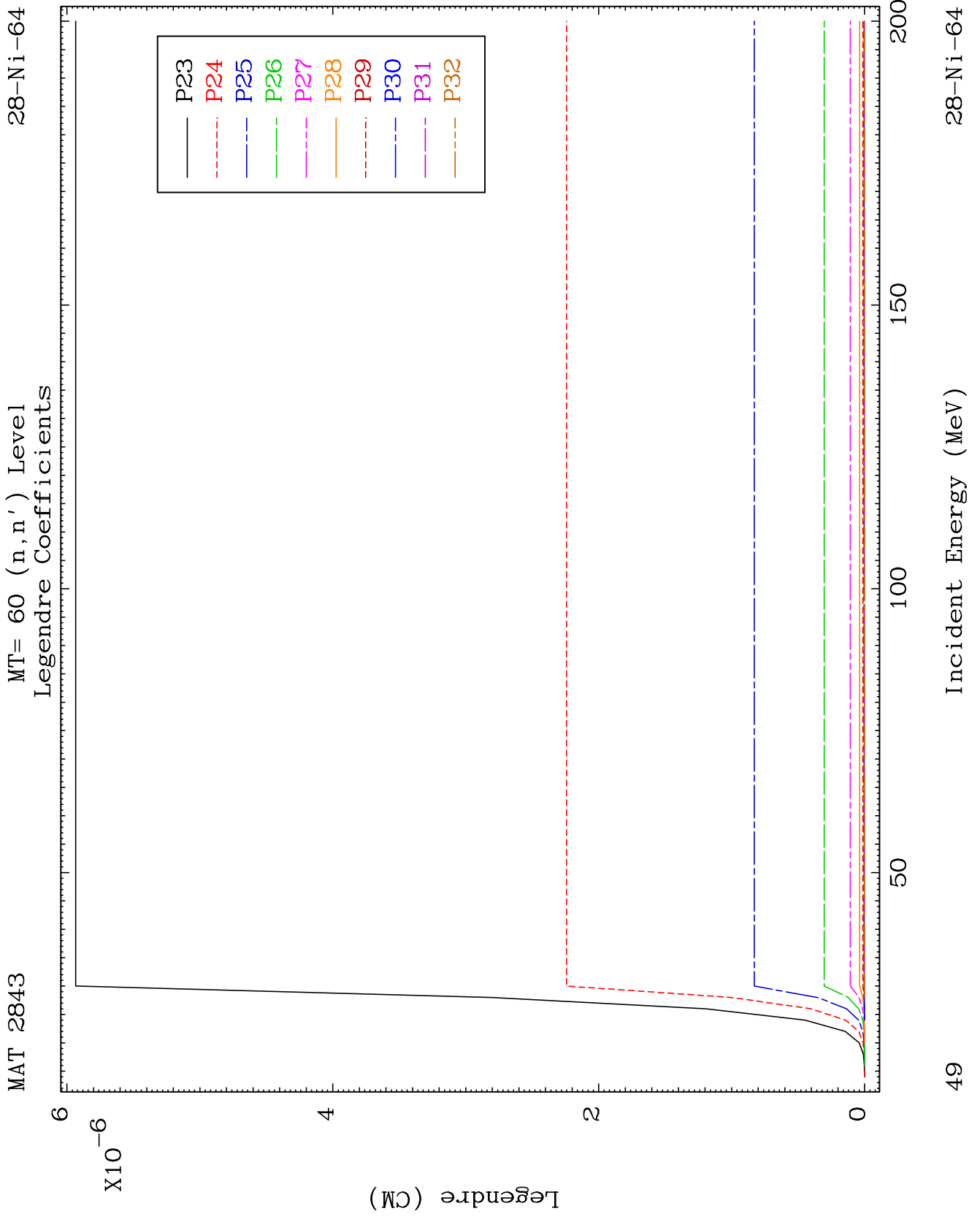
28-Ni-64

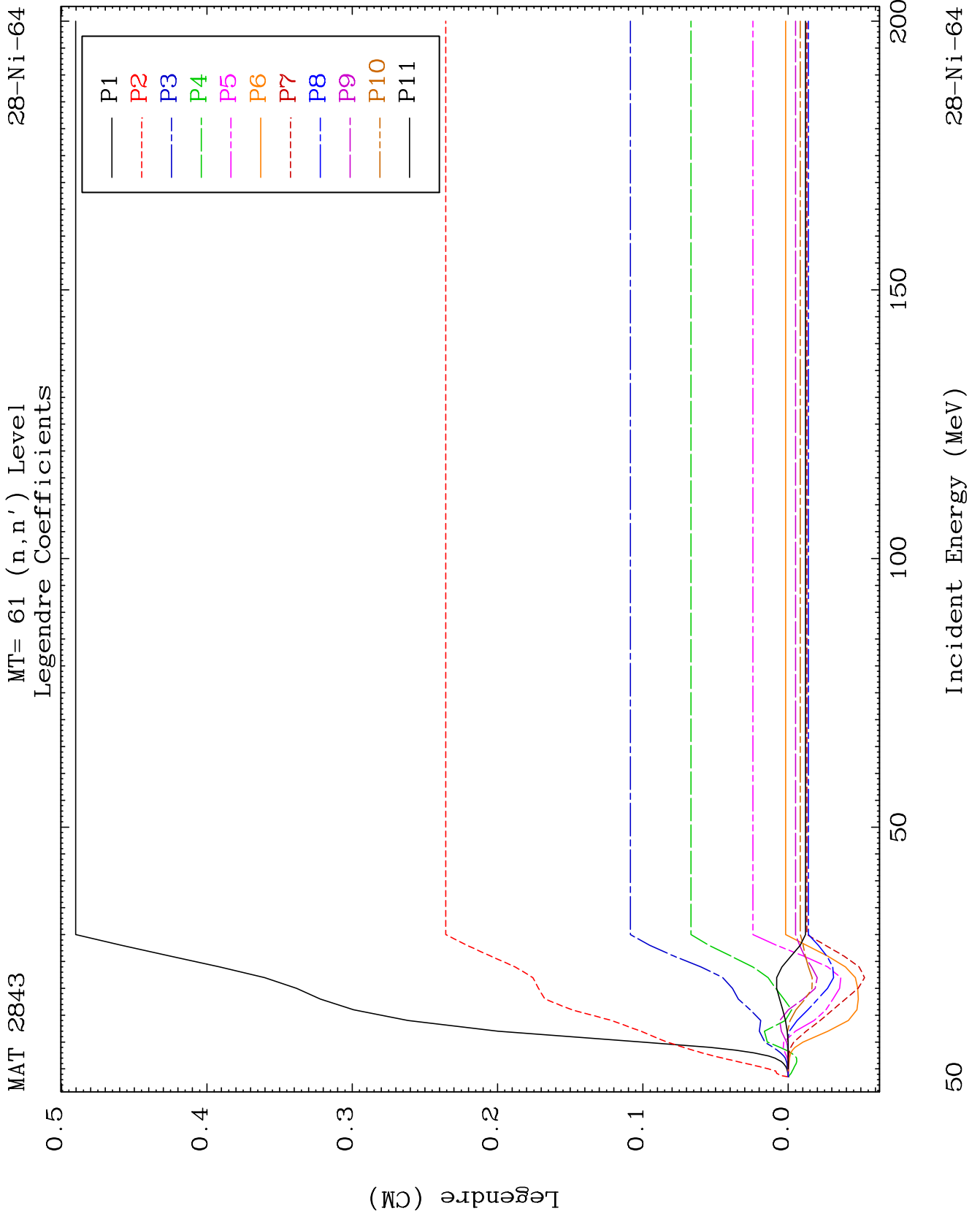


48

Incident Energy (MeV)

28-Ni-64

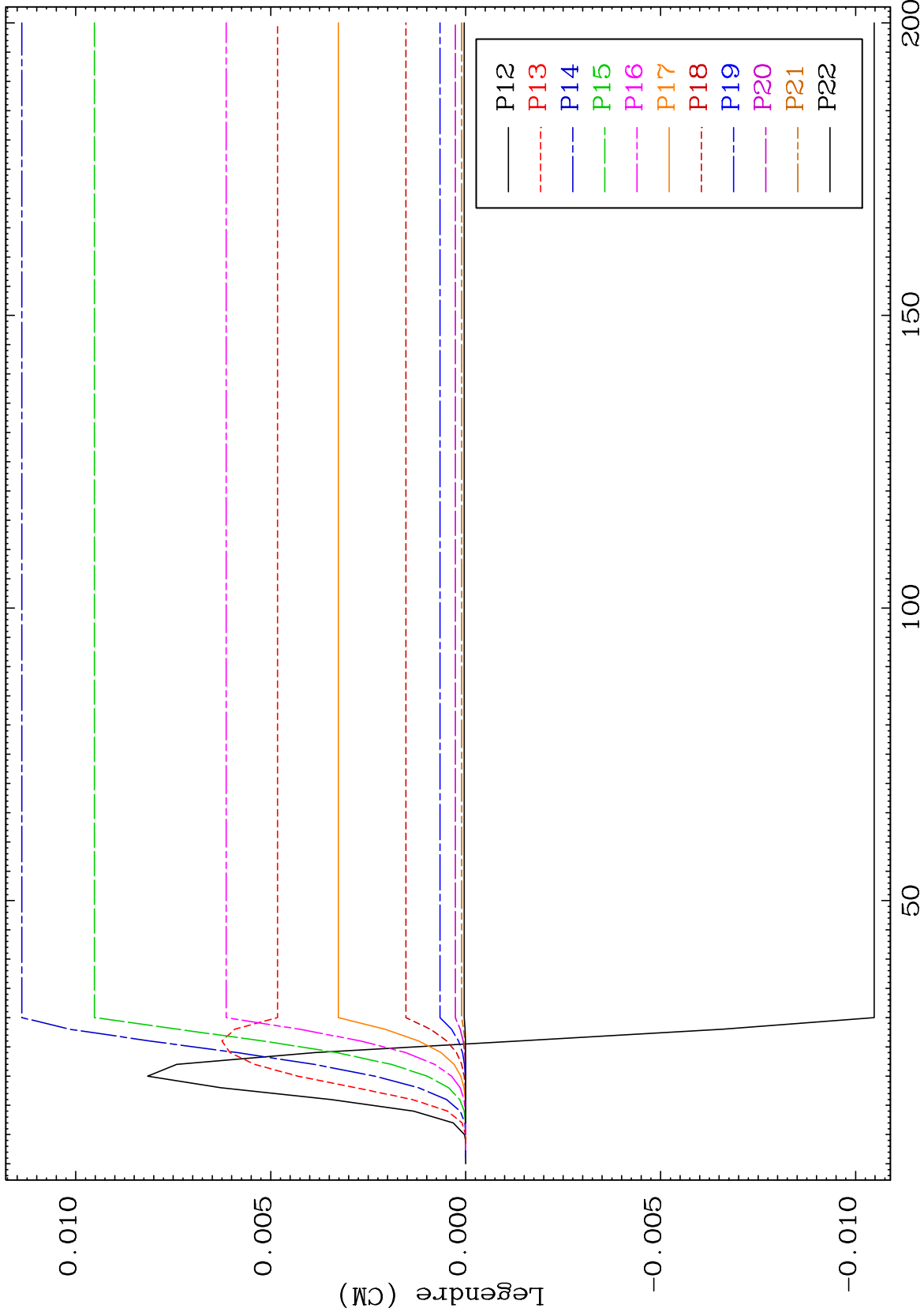




MAT 2843

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

28-Ni-64



51

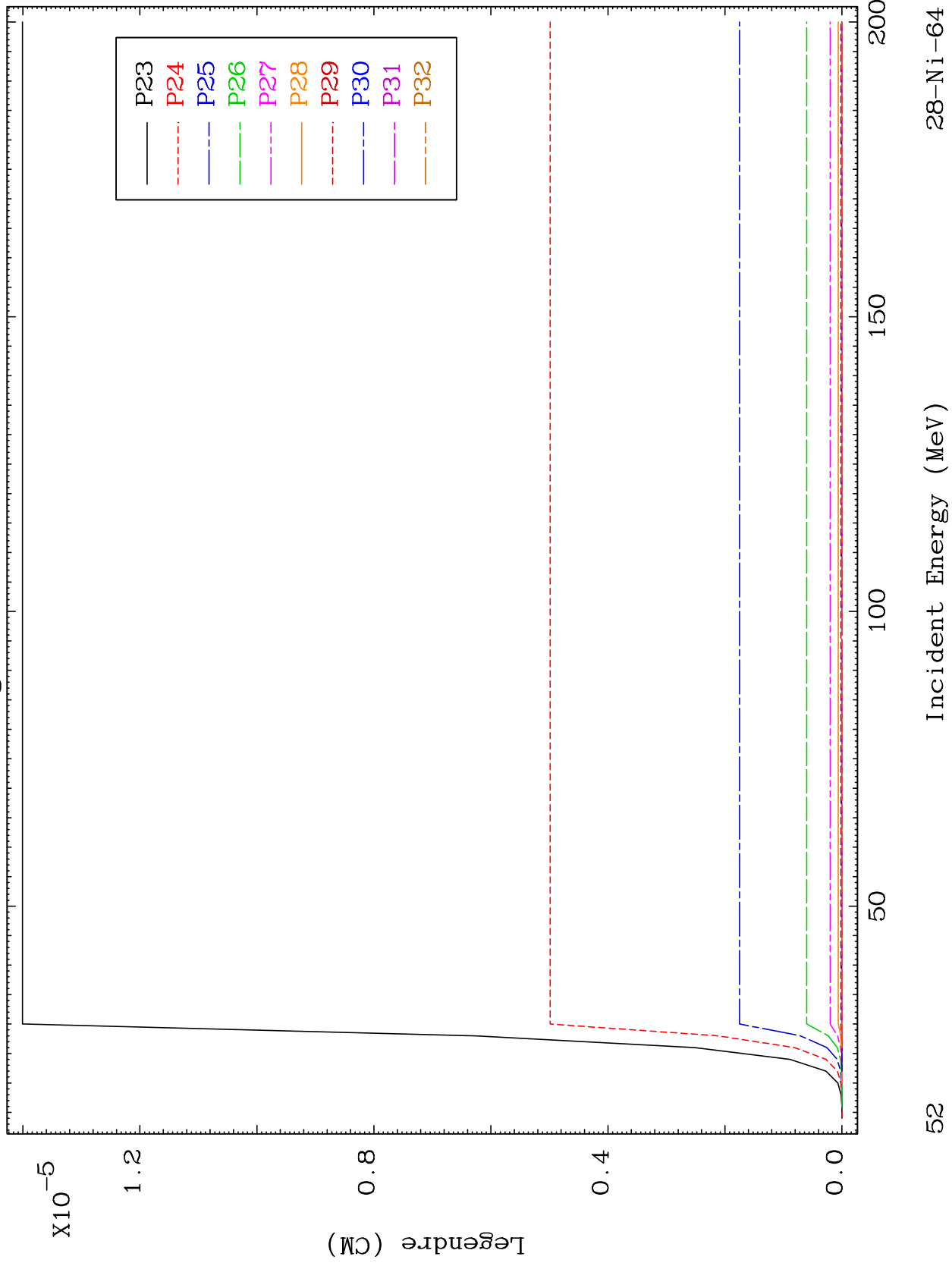
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

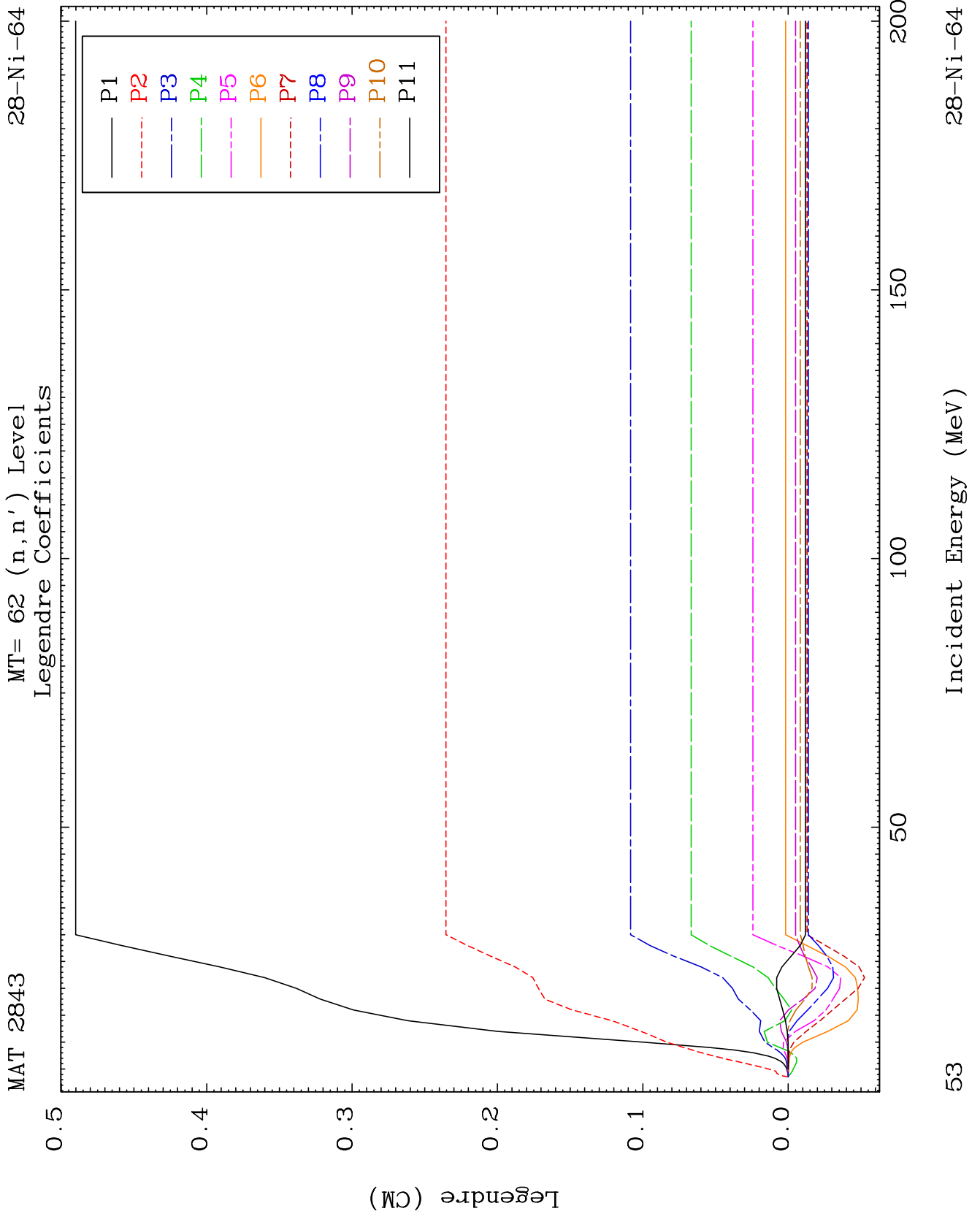
28-Ni-64



52

Incident Energy (MeV)

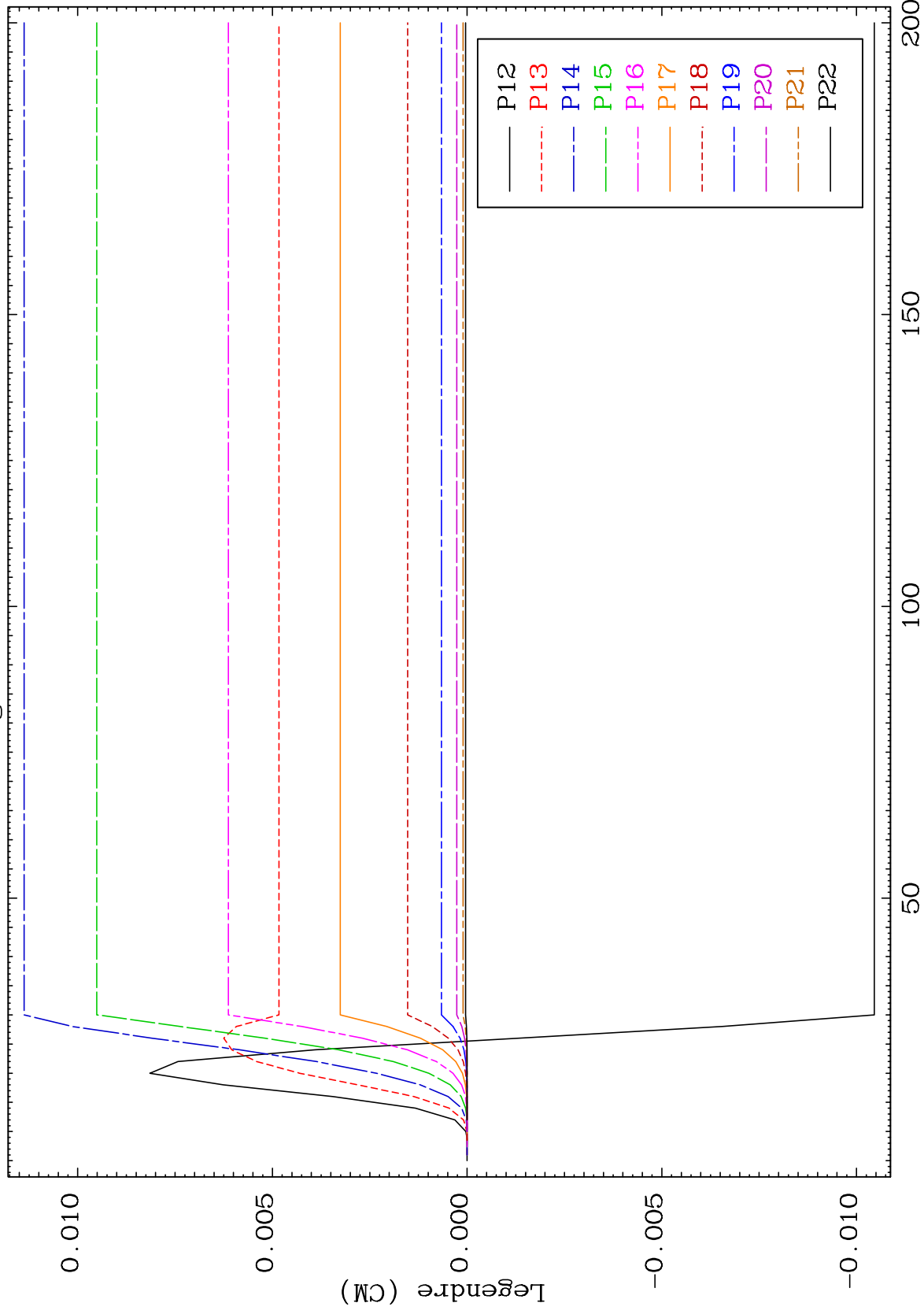
28-Ni-64



MAT 2843

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

28-Ni-64



54

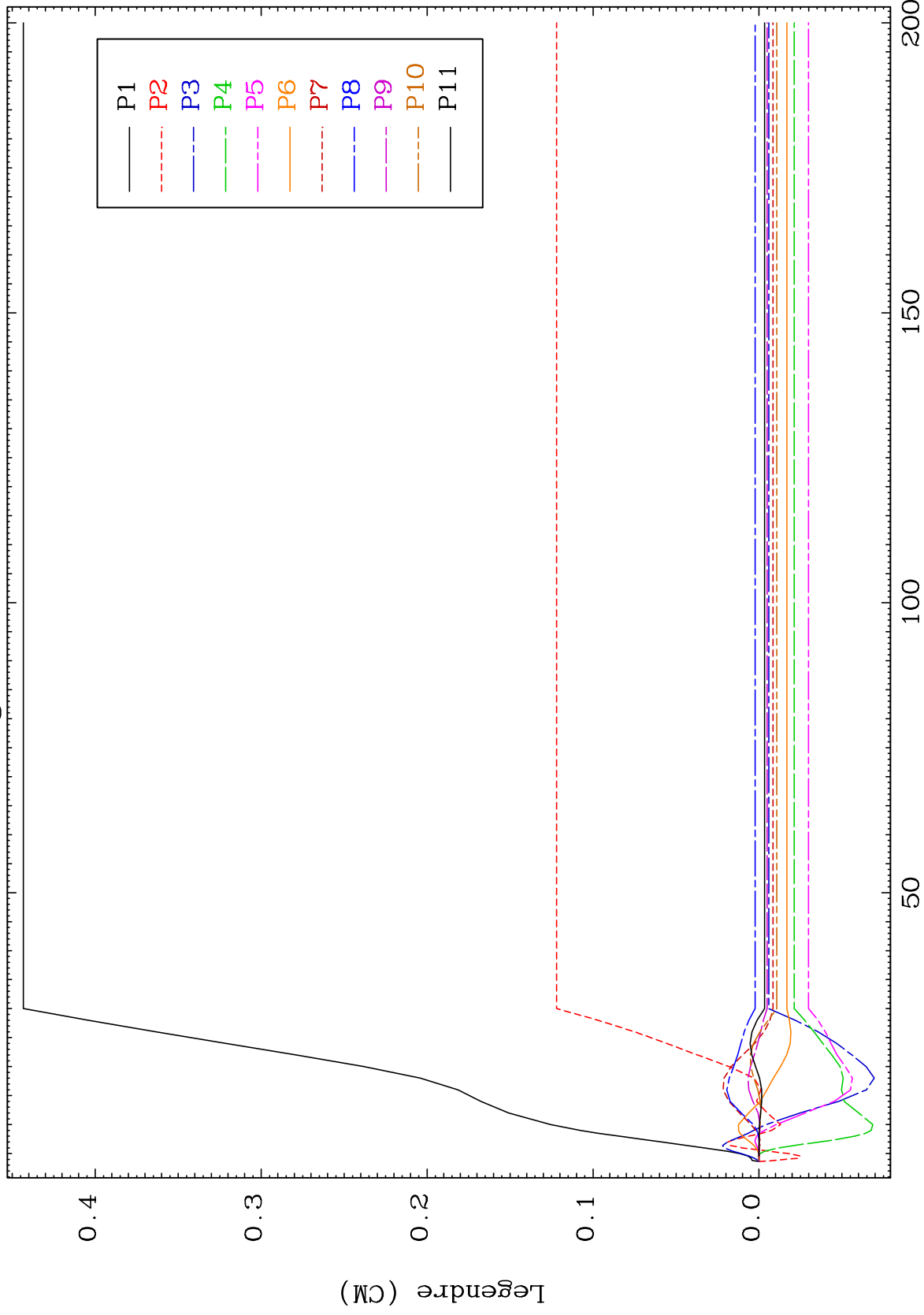
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

28-Ni-64



56

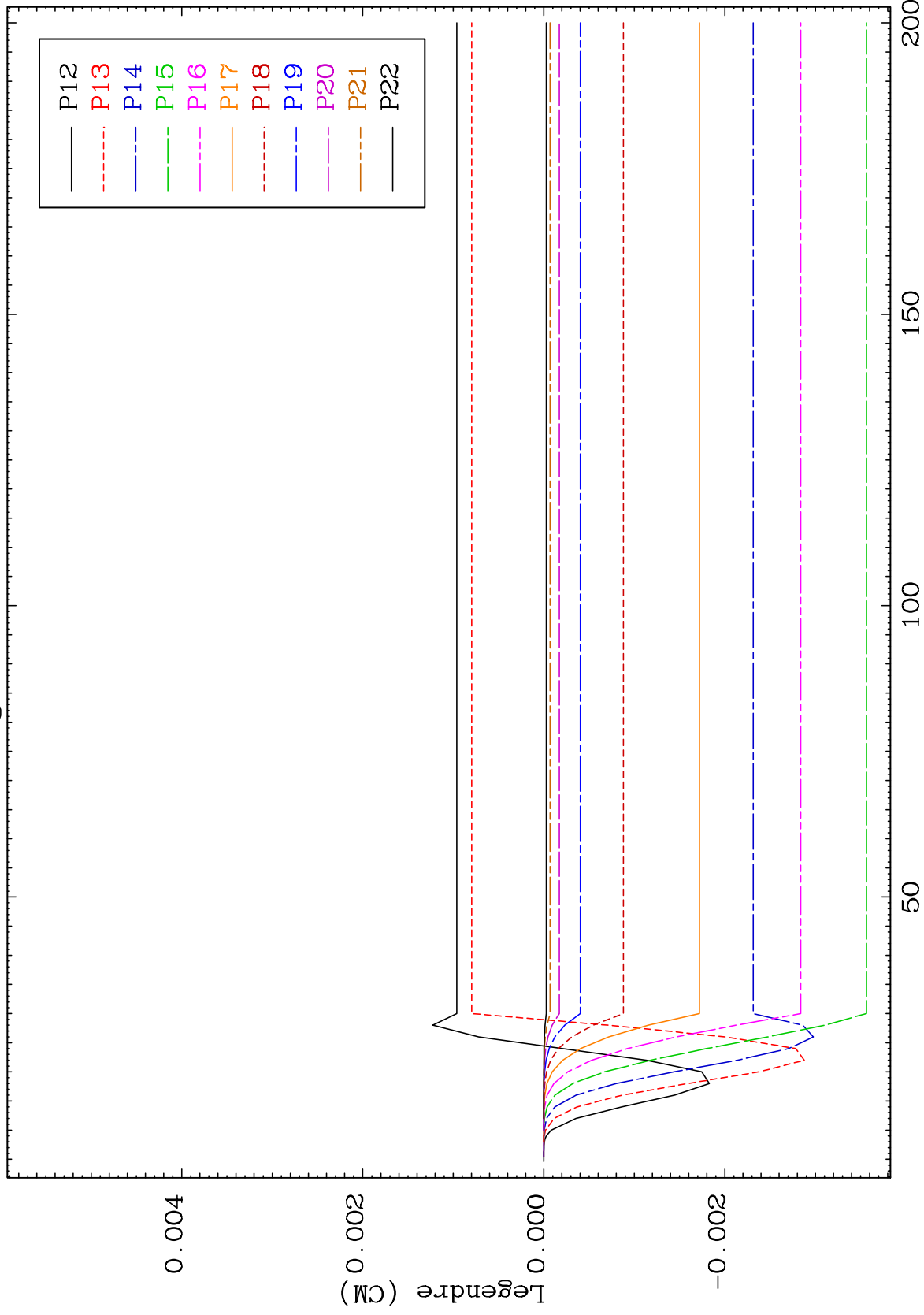
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

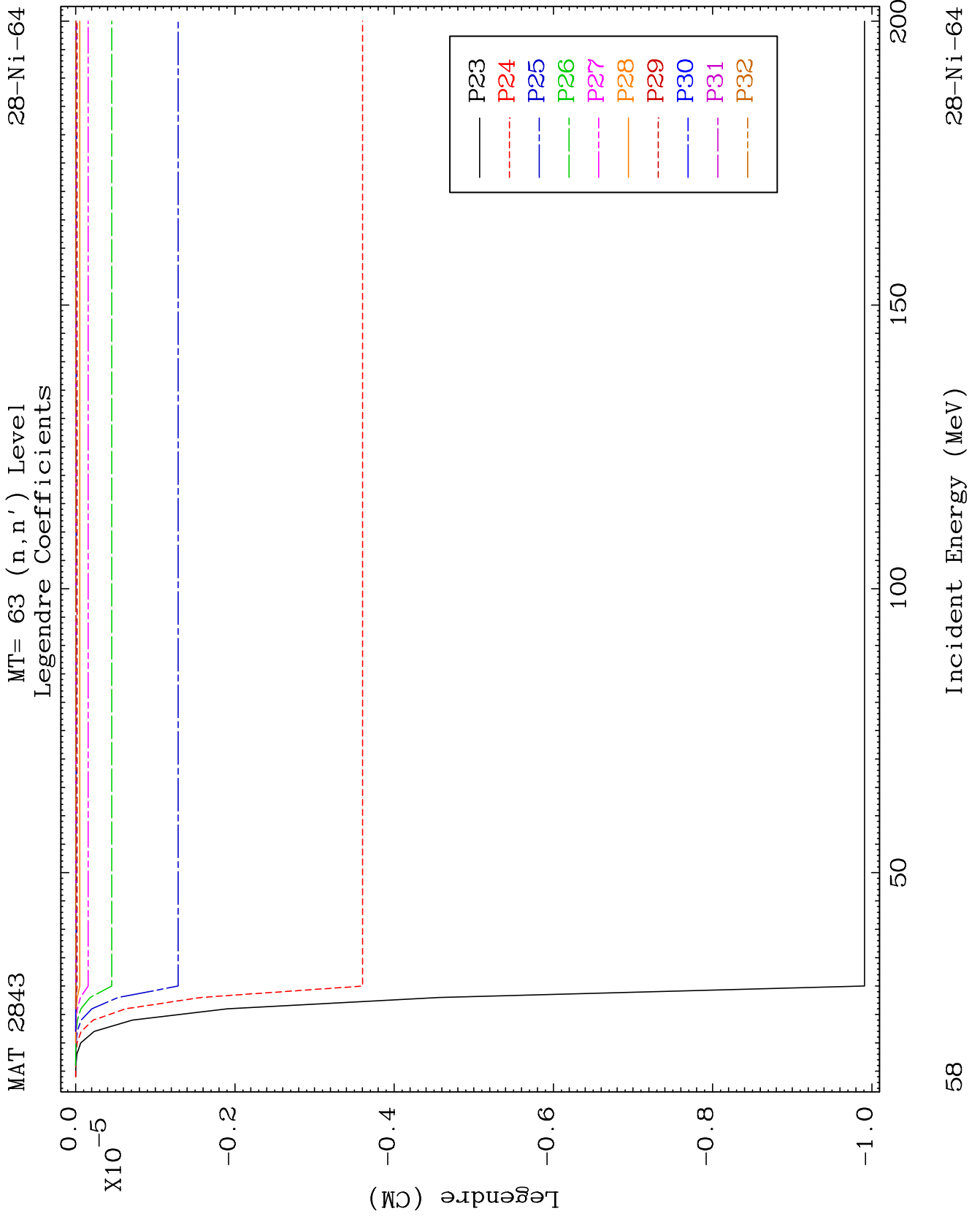
28-Ni-64

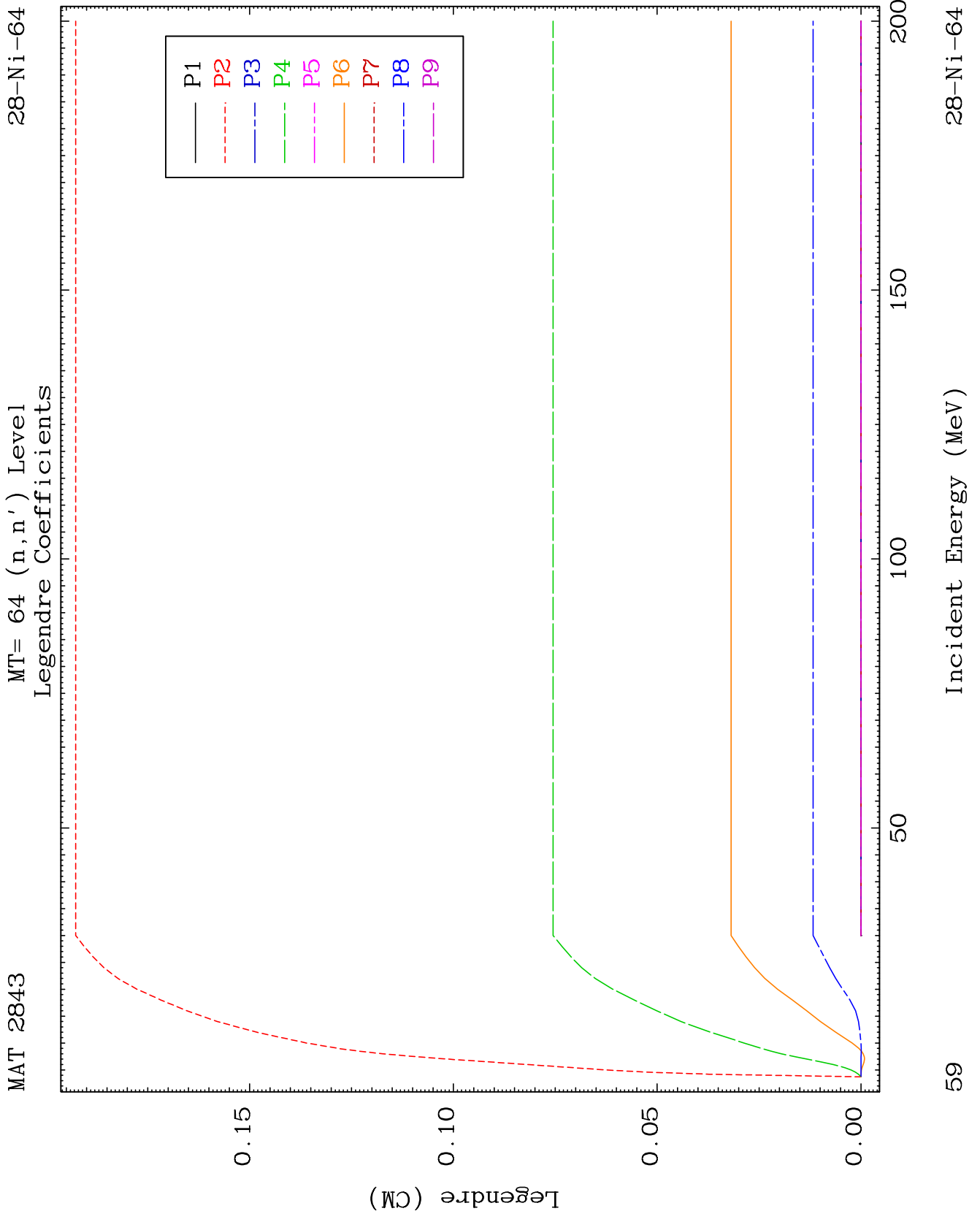


57

Incident Energy (MeV)

28-Ni-64

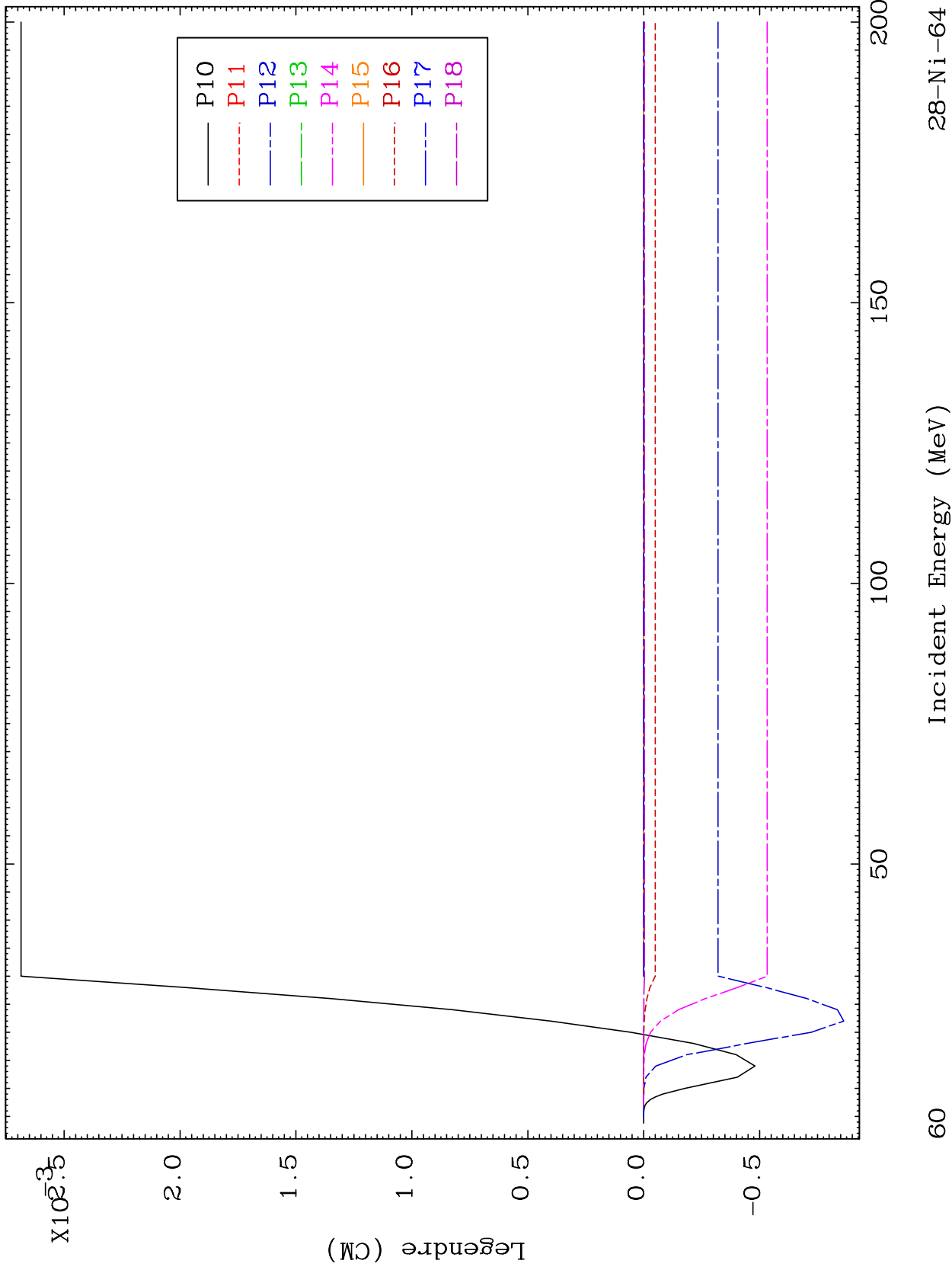




MAT 2843

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

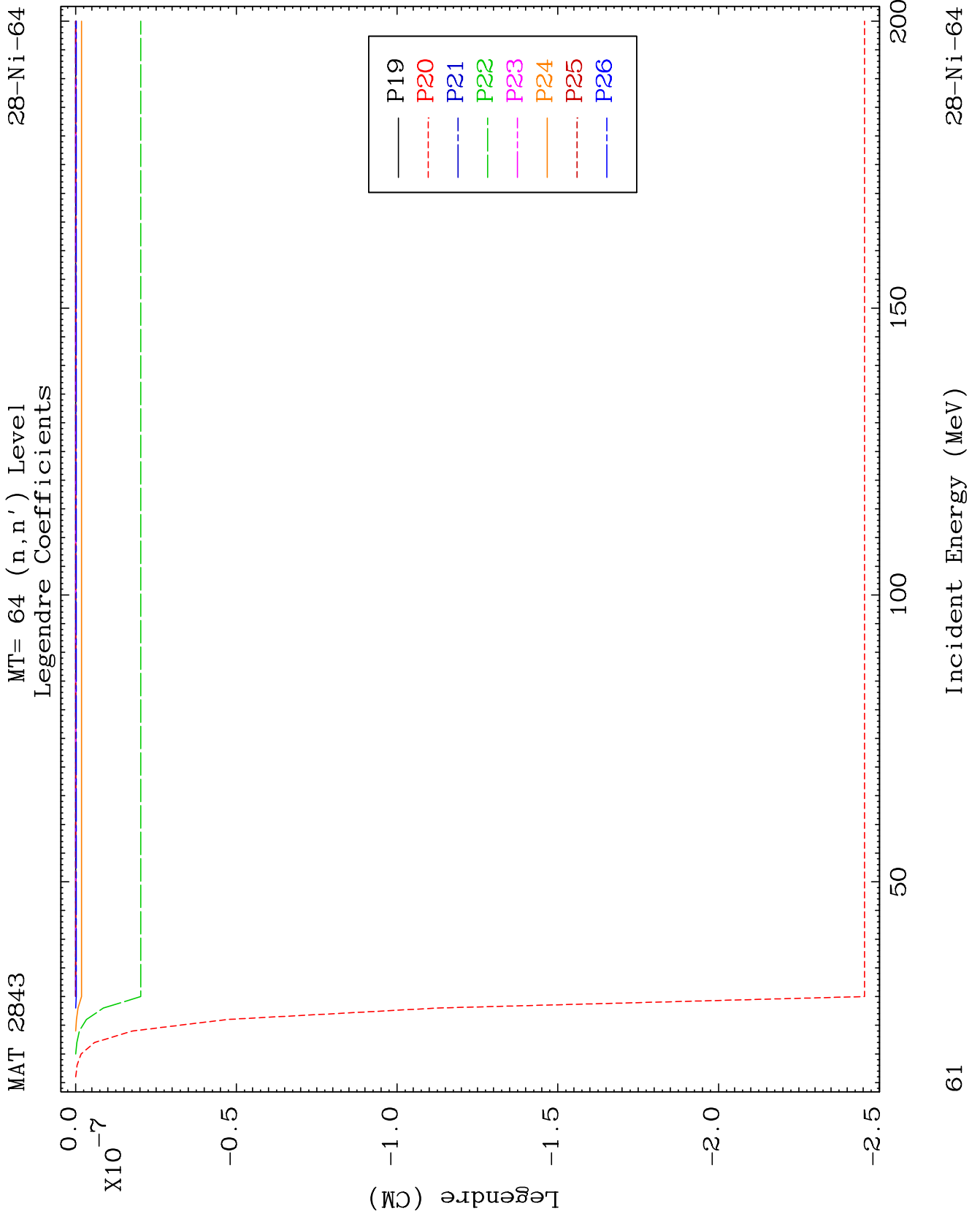
28-Ni-64

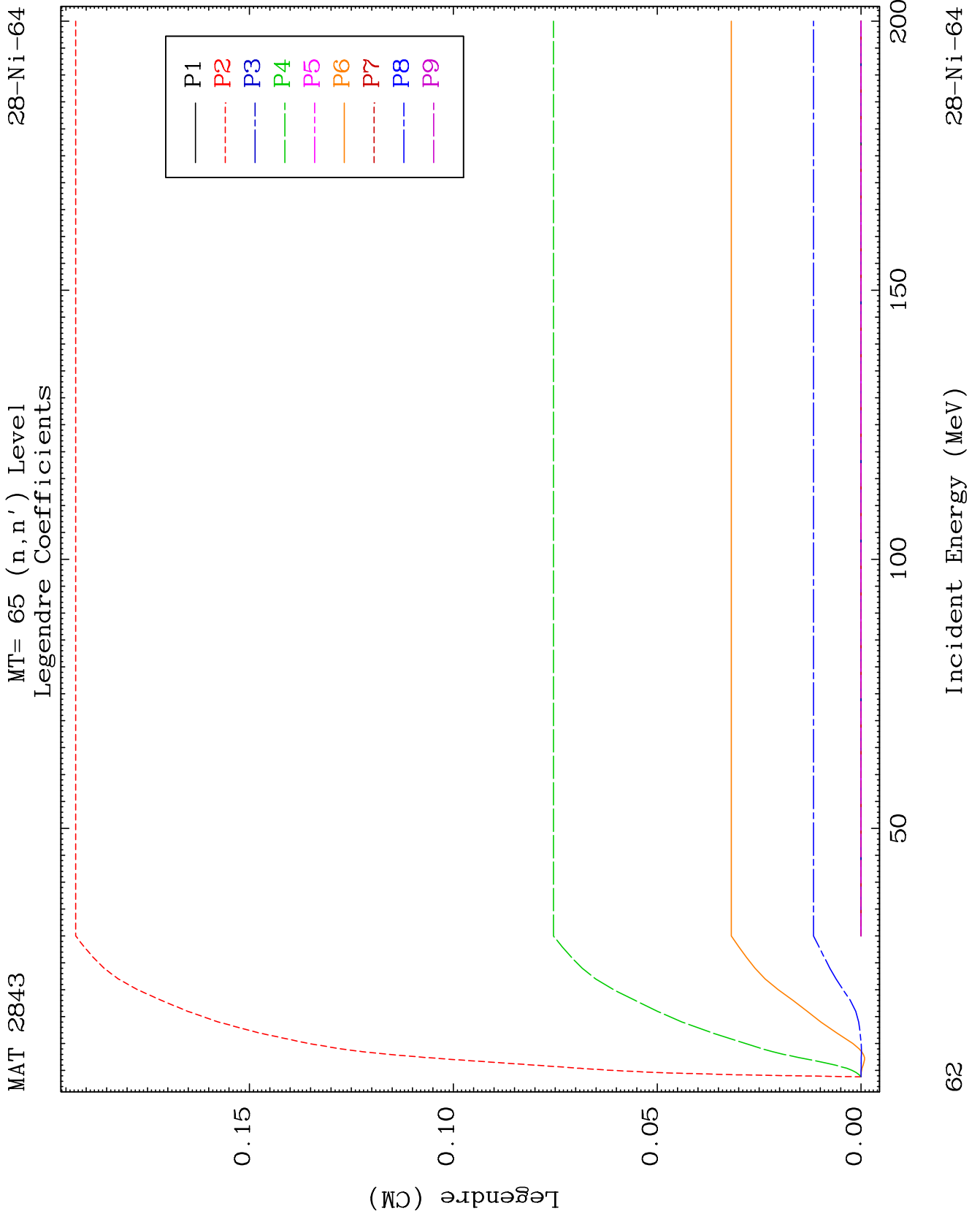


60

Incident Energy (MeV)

28-Ni-64

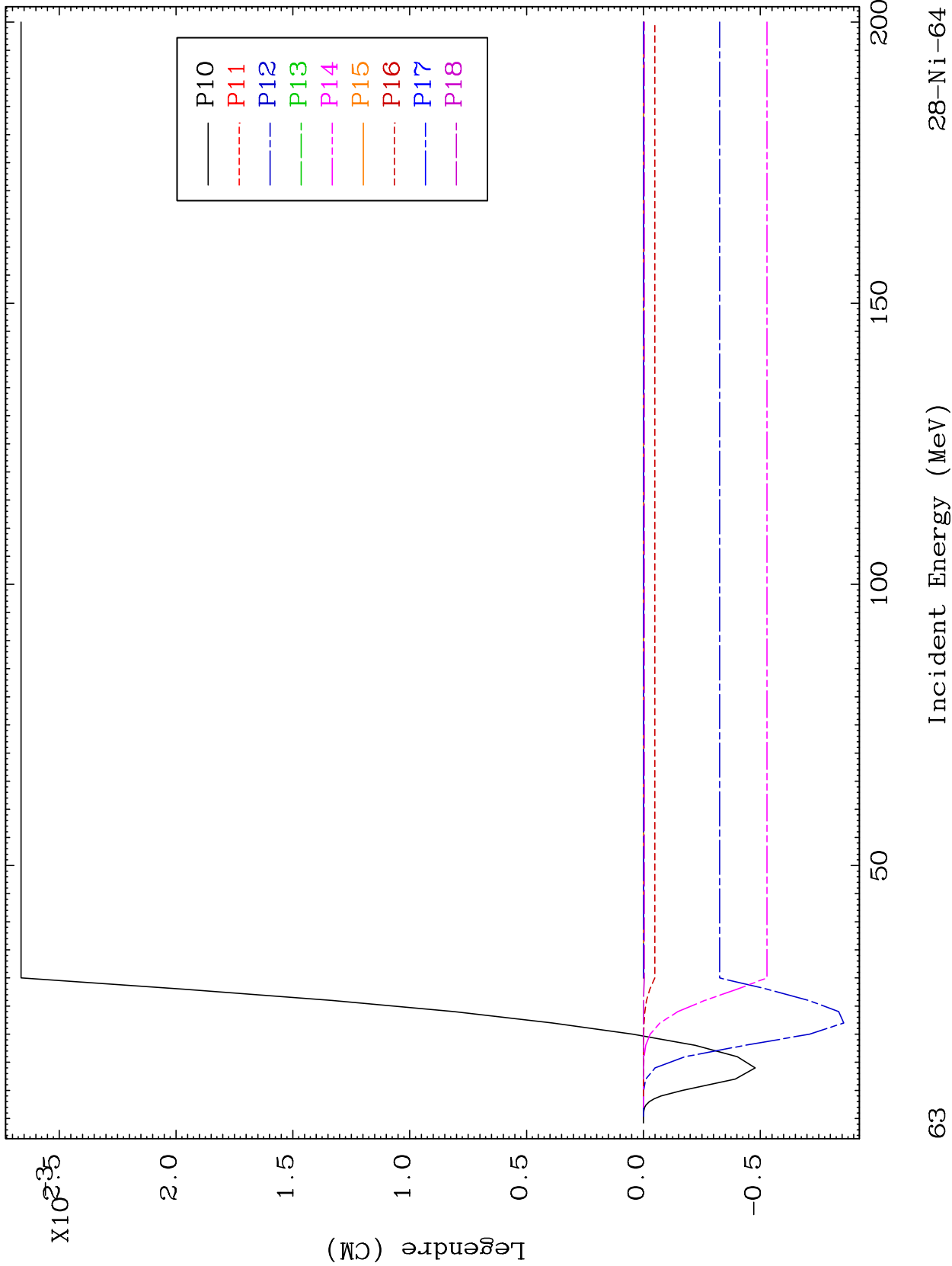




MAT 2843

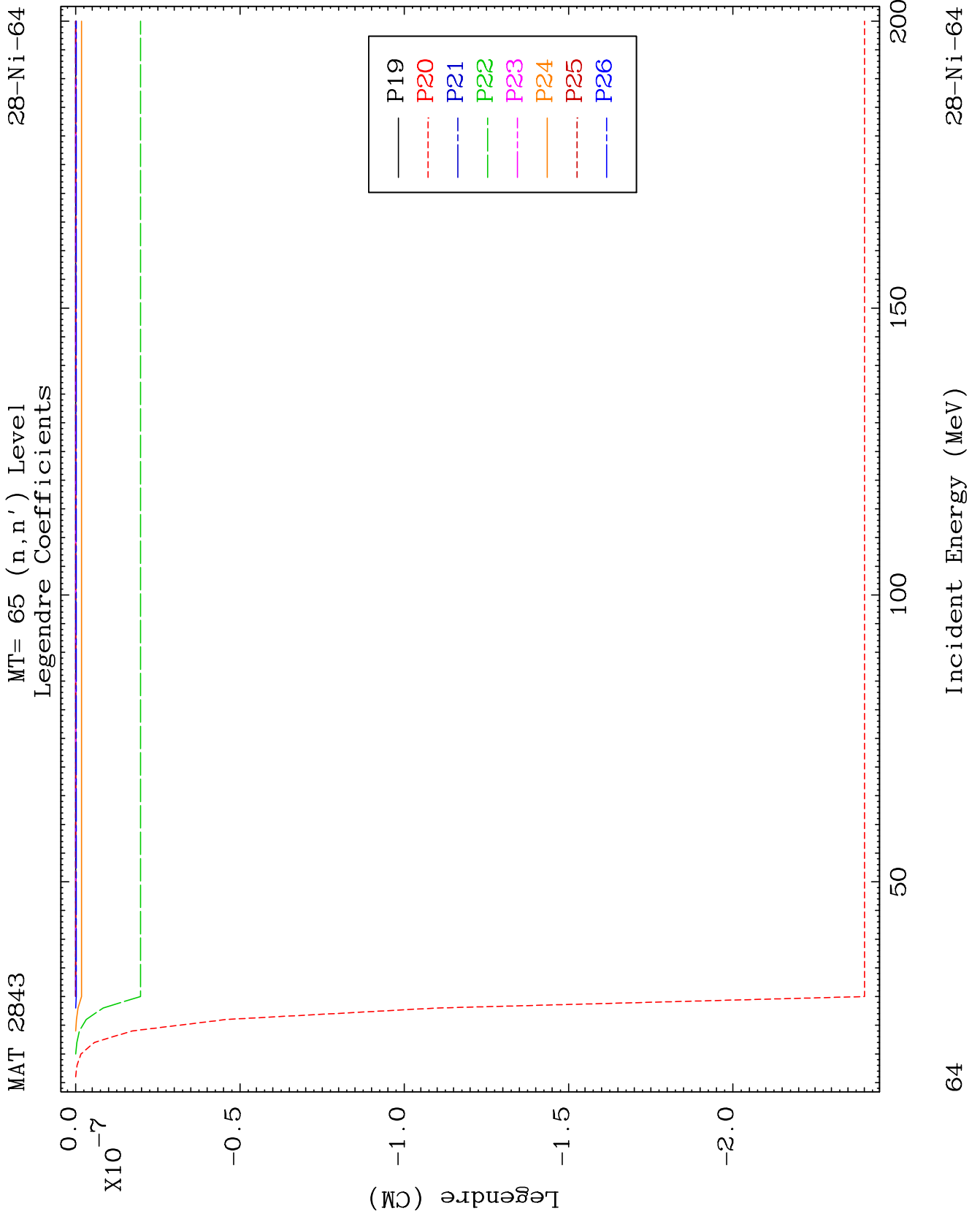
MT= 65 (n,n') Level
Legendre Coefficients

28-Ni-64



63

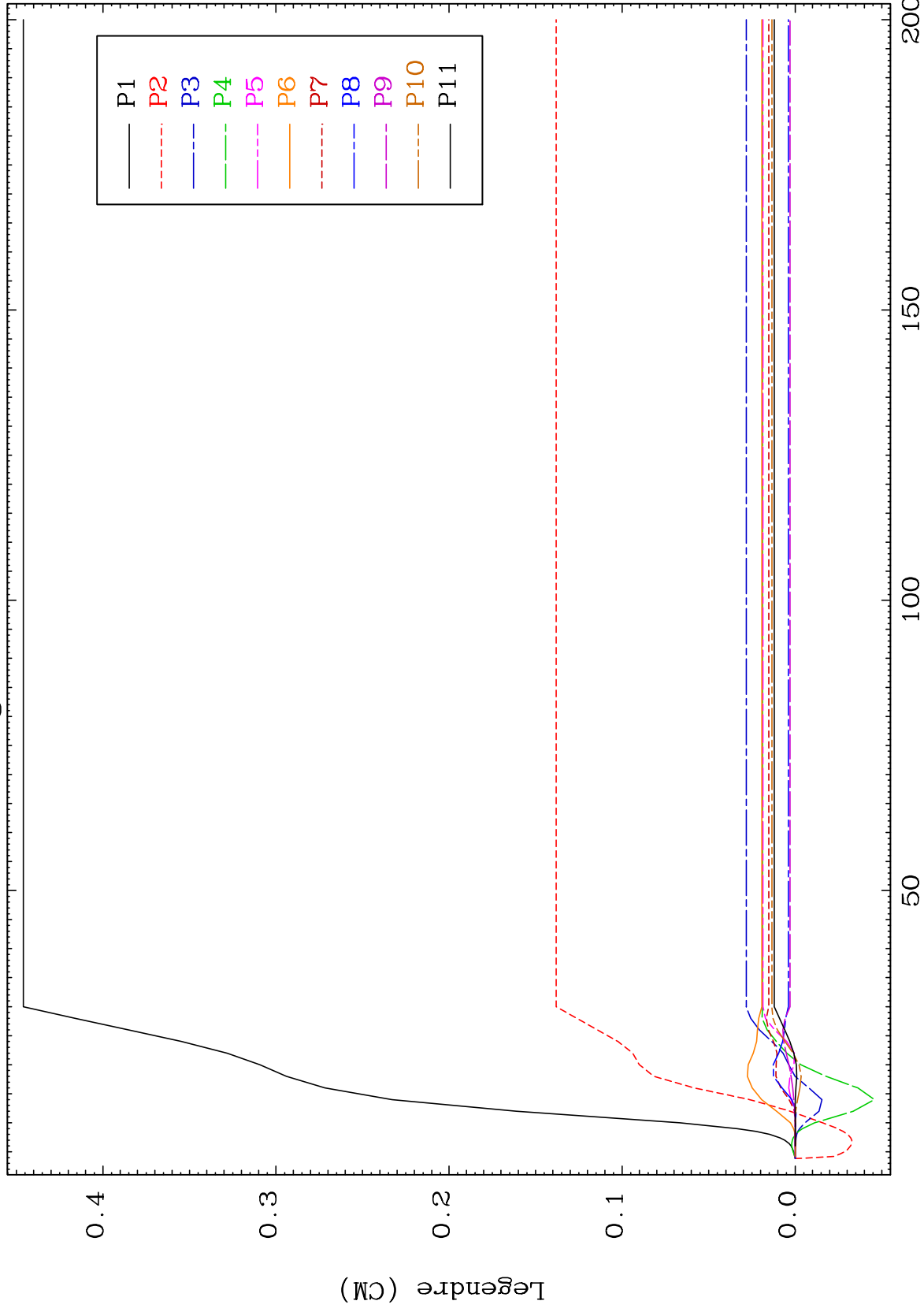
28-Ni-64



MAT 2843

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

28-Ni-64



65

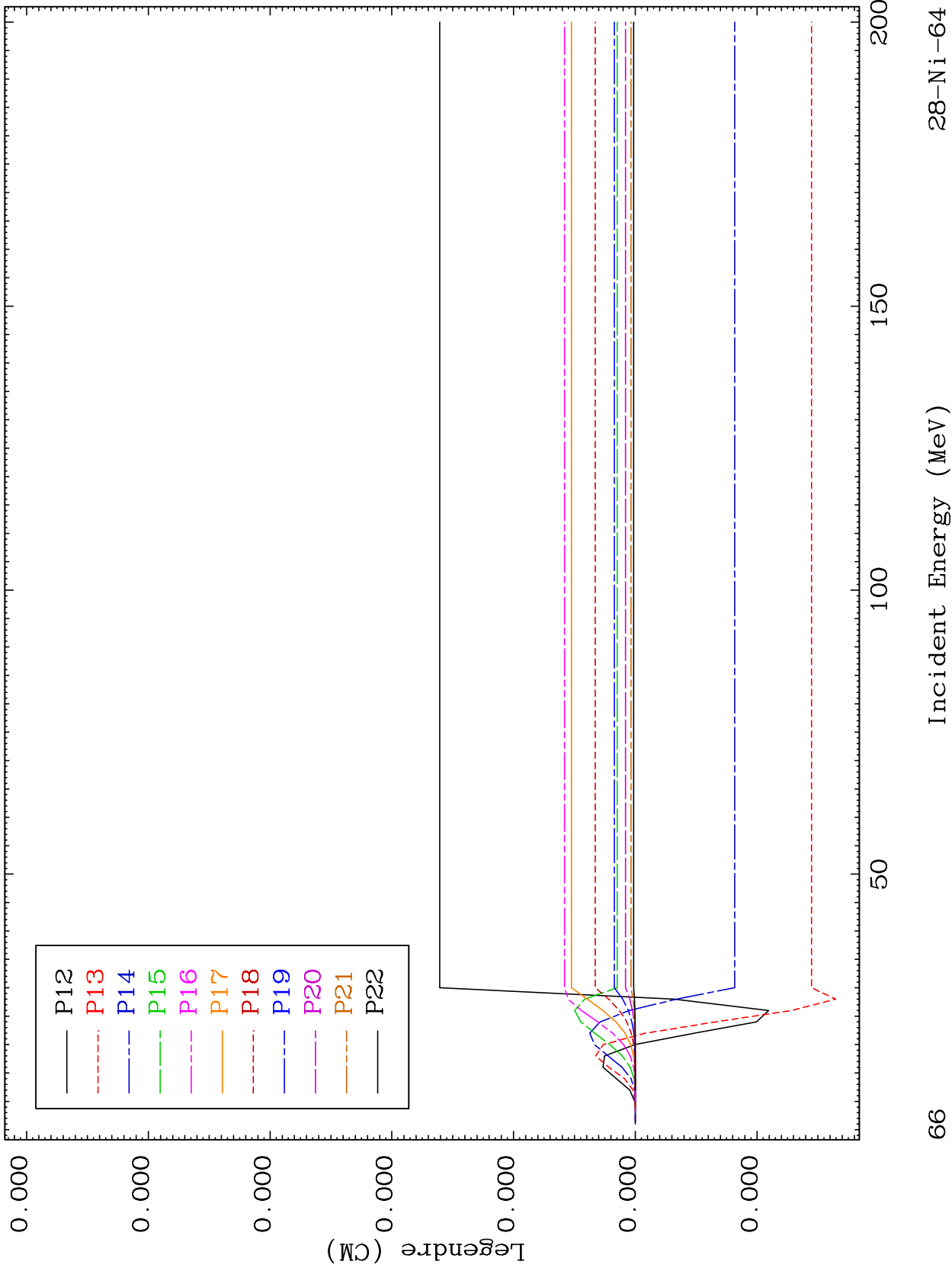
Incident Energy (MeV)

28-Ni-64

MAT 2843

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

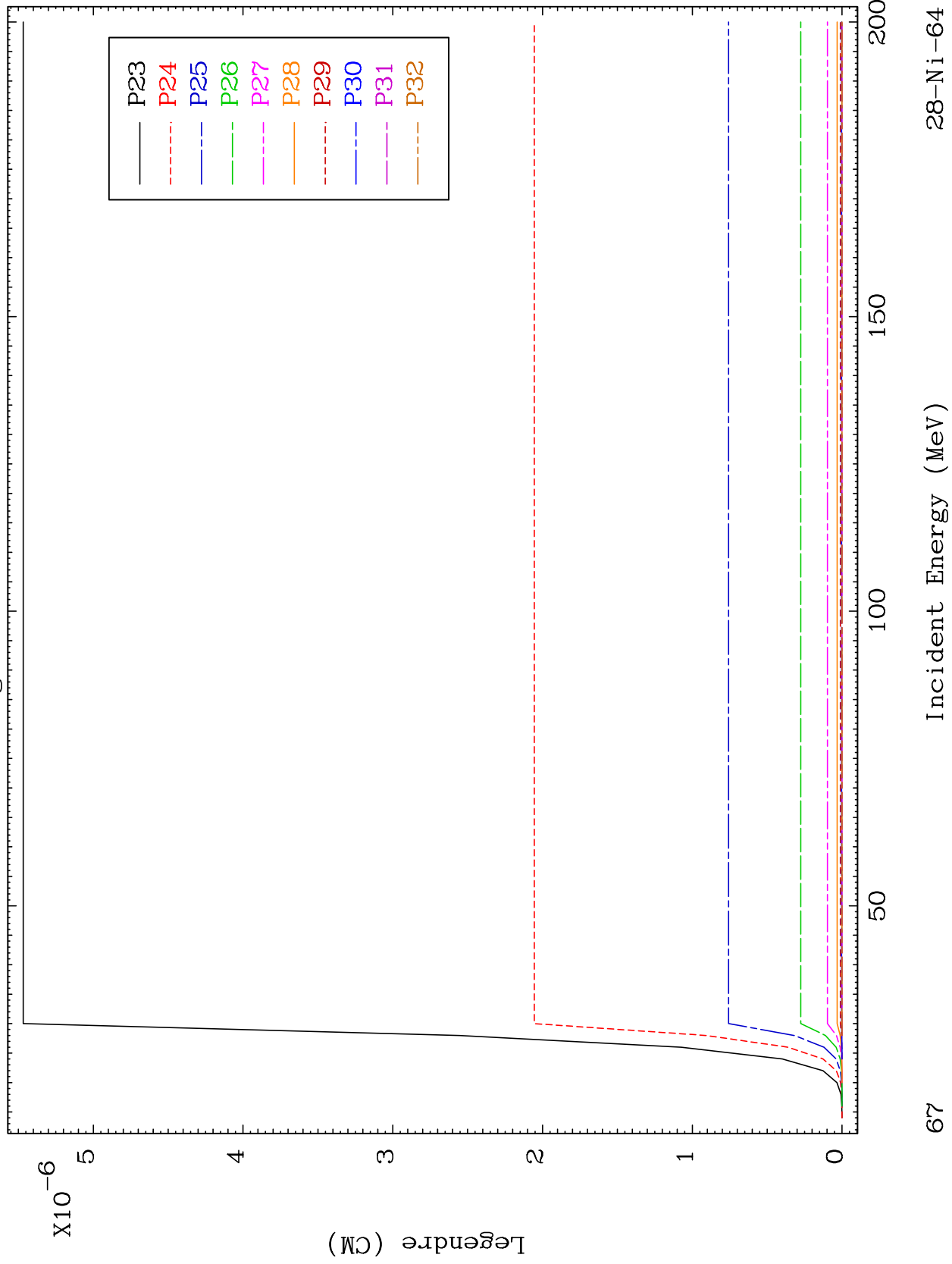
28-Ni-64



MAT 2843

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

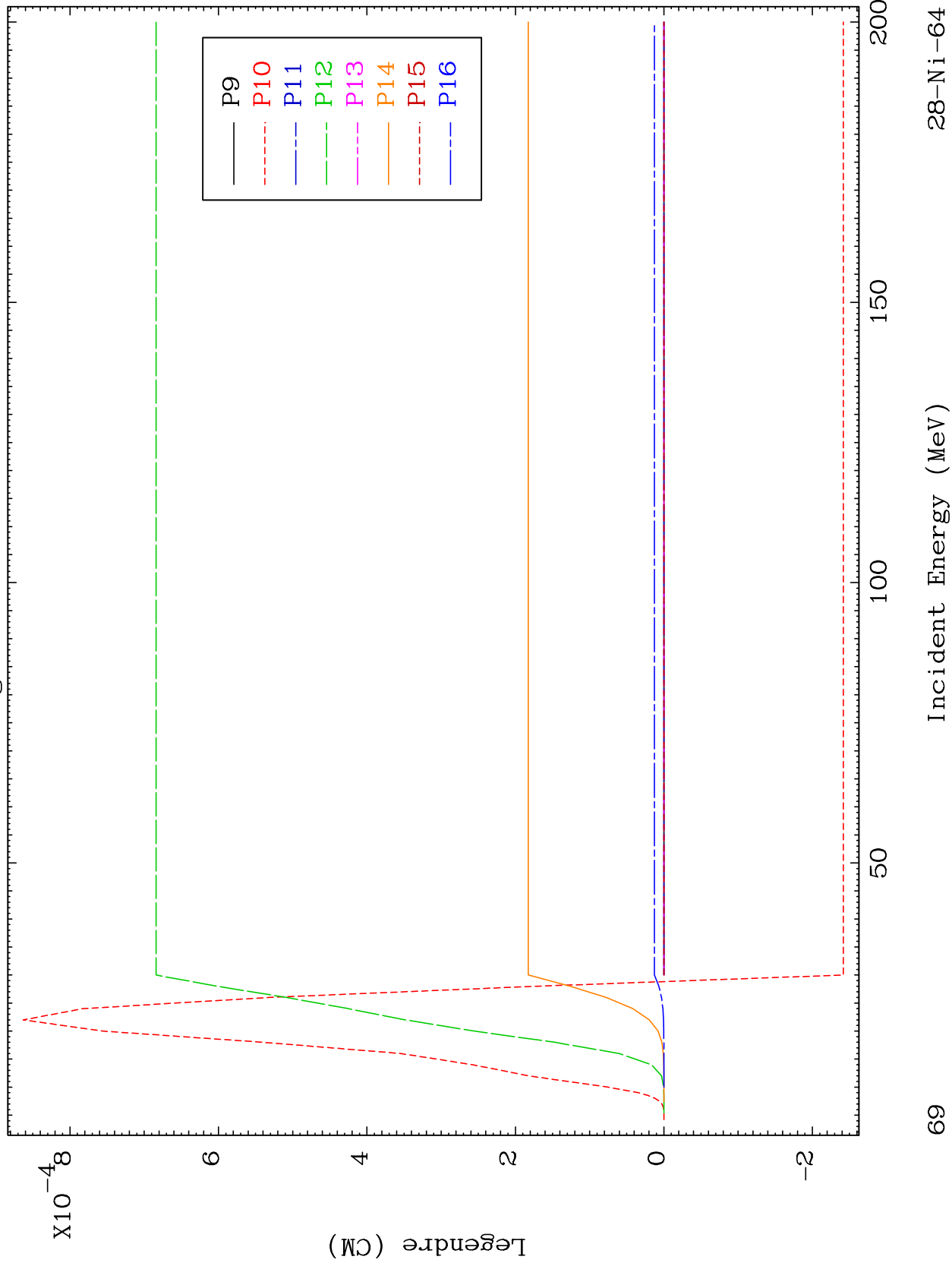
28-Ni-64



MAT 2843

MT= 67 (n,n') Level
Legendre Coefficients

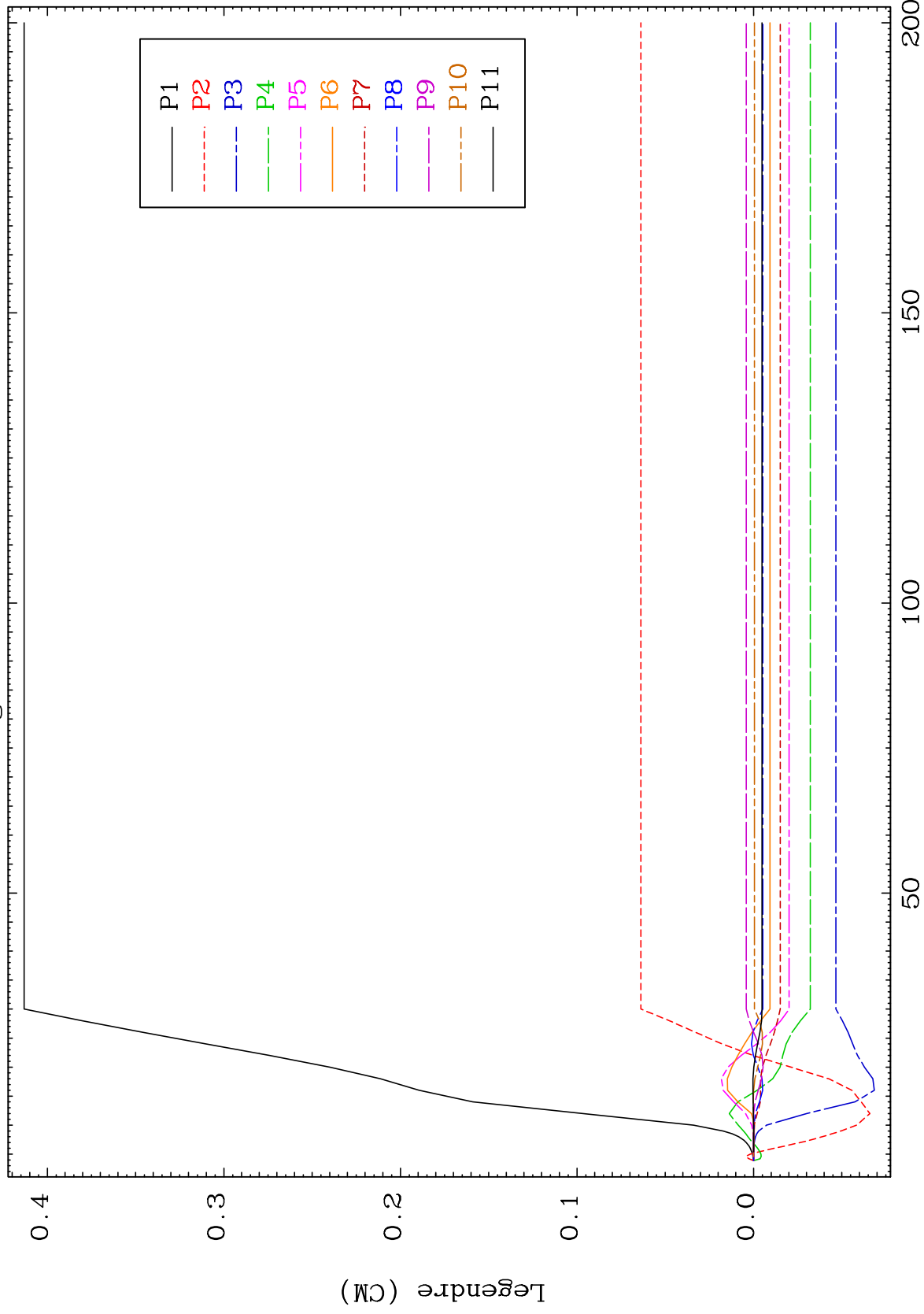
28-Ni-64



MAT 2843

MT= 68 (n,n') Level
Legendre Coefficients

28-Ni-64



71

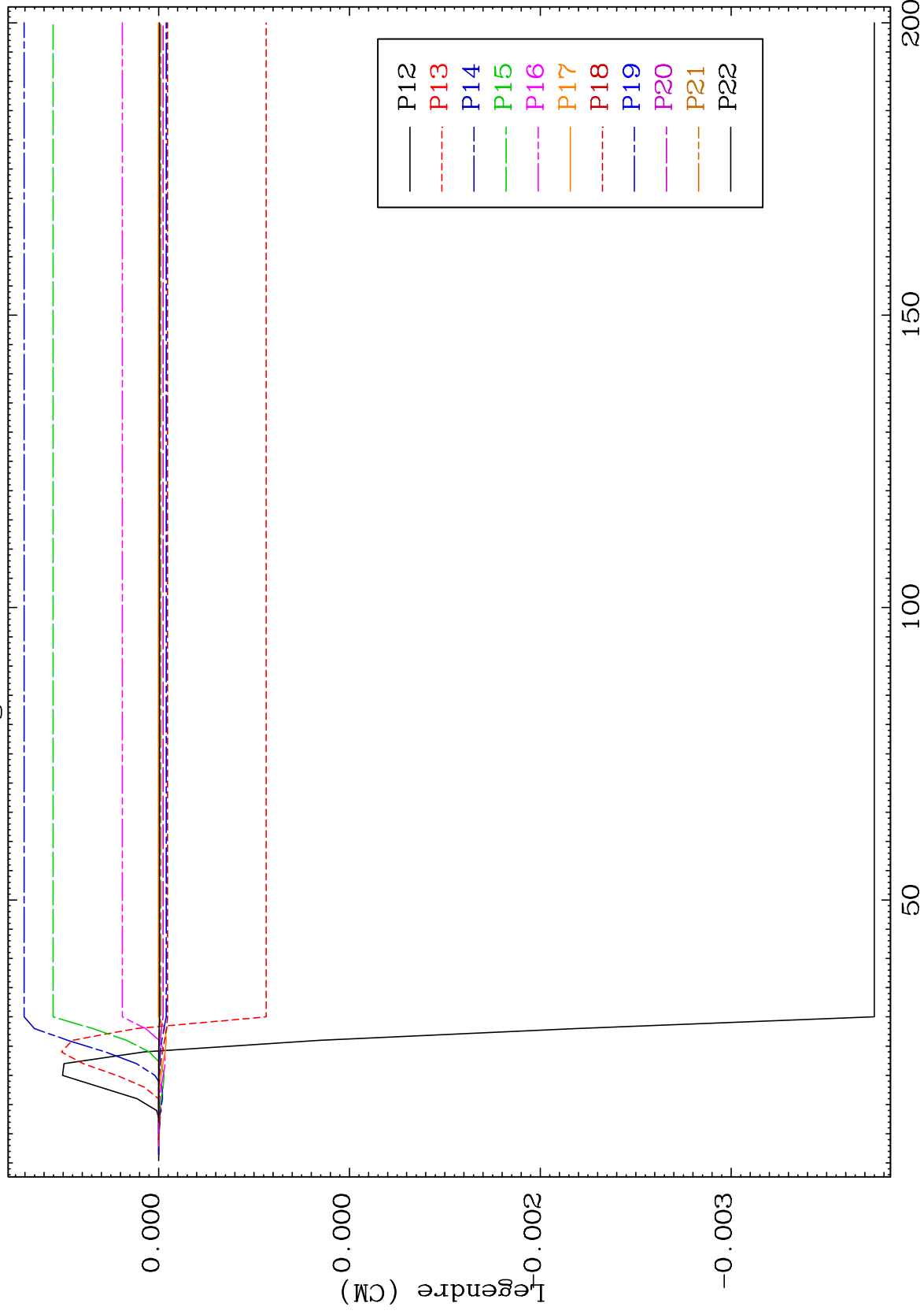
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 68 (n,n') Level
Legendre Coefficients

28-Ni-64



72

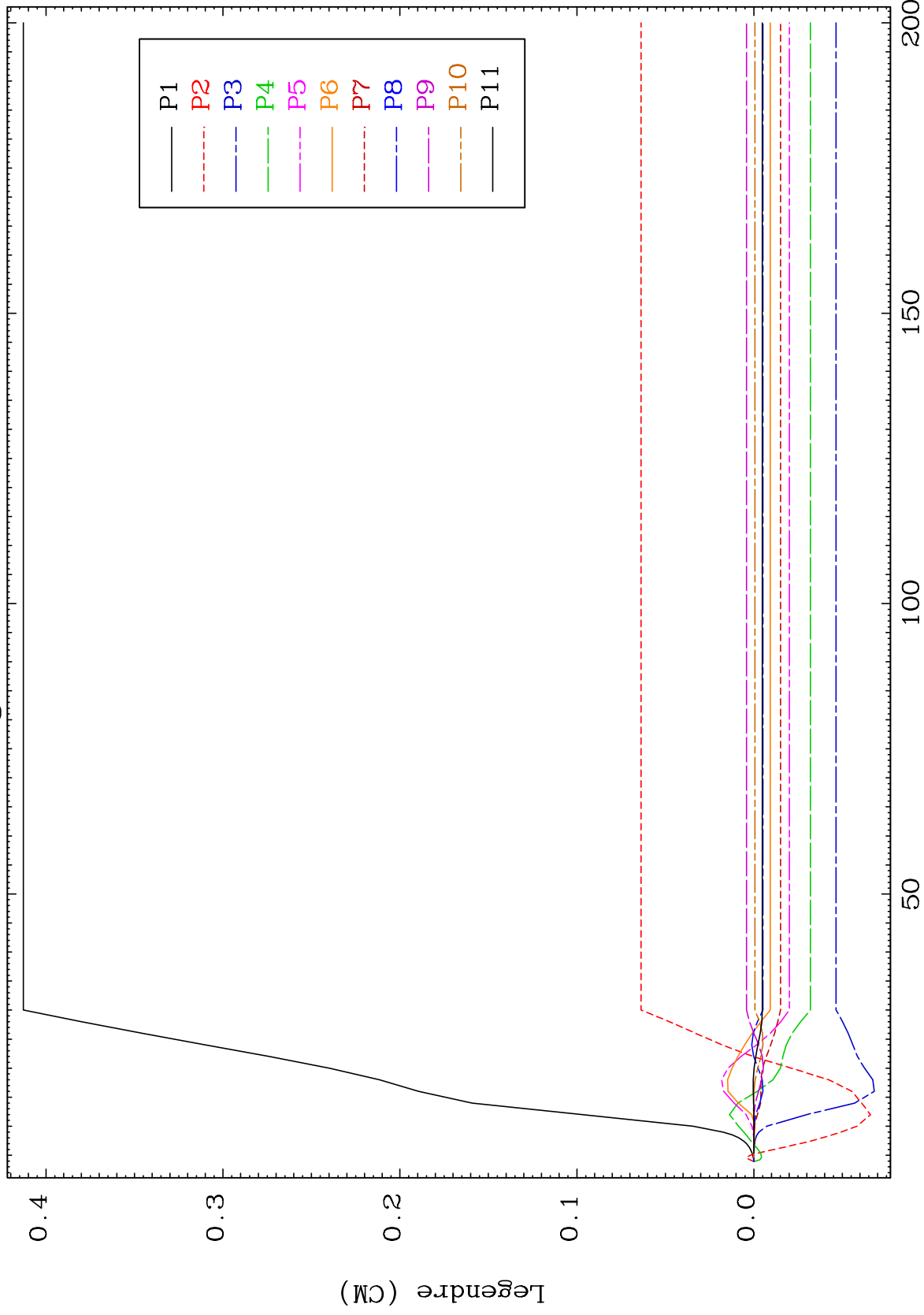
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 69 (n,n') Level
Legendre Coefficients

28-Ni-64



74

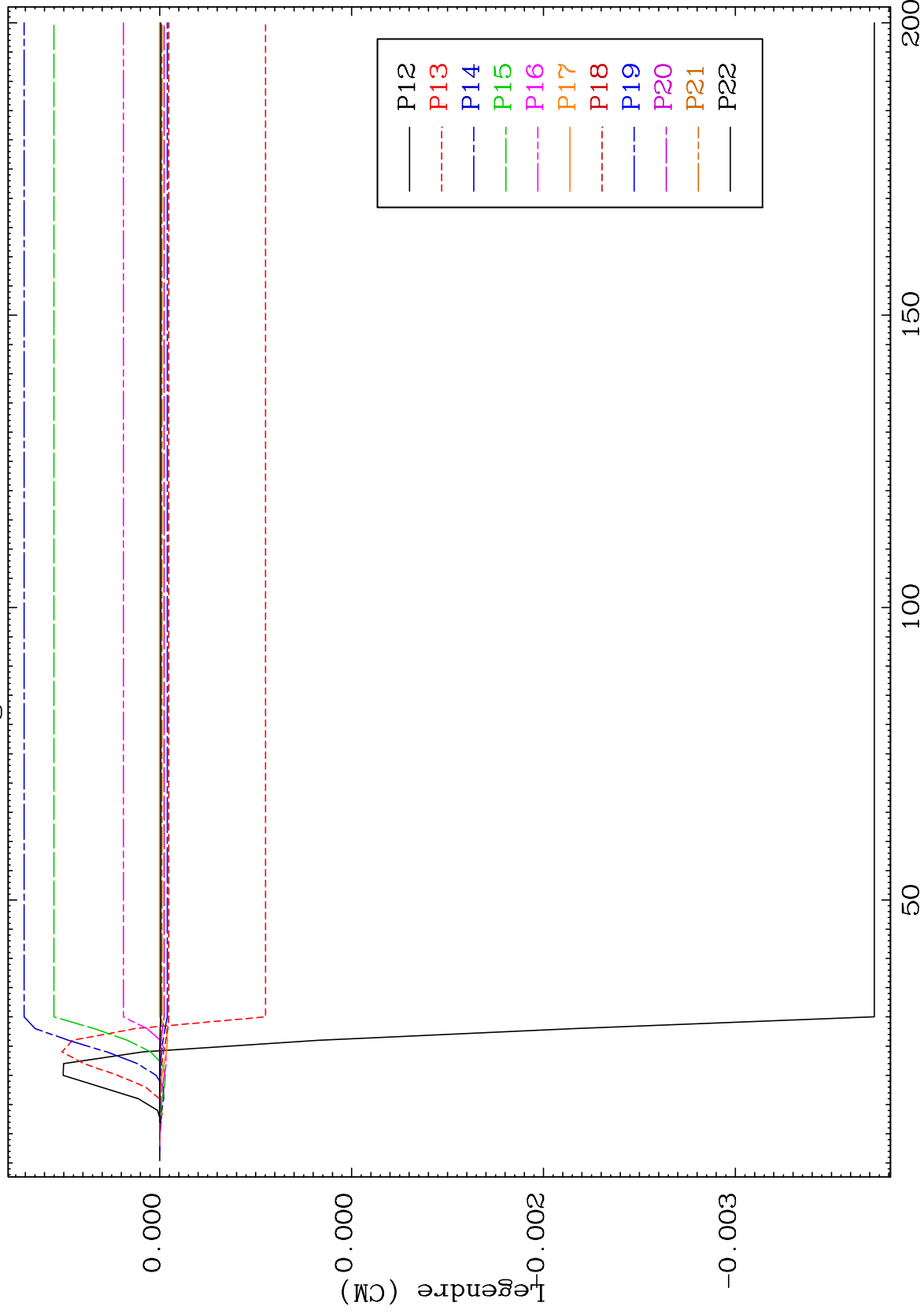
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 69 (n,n') Level
Legendre Coefficients

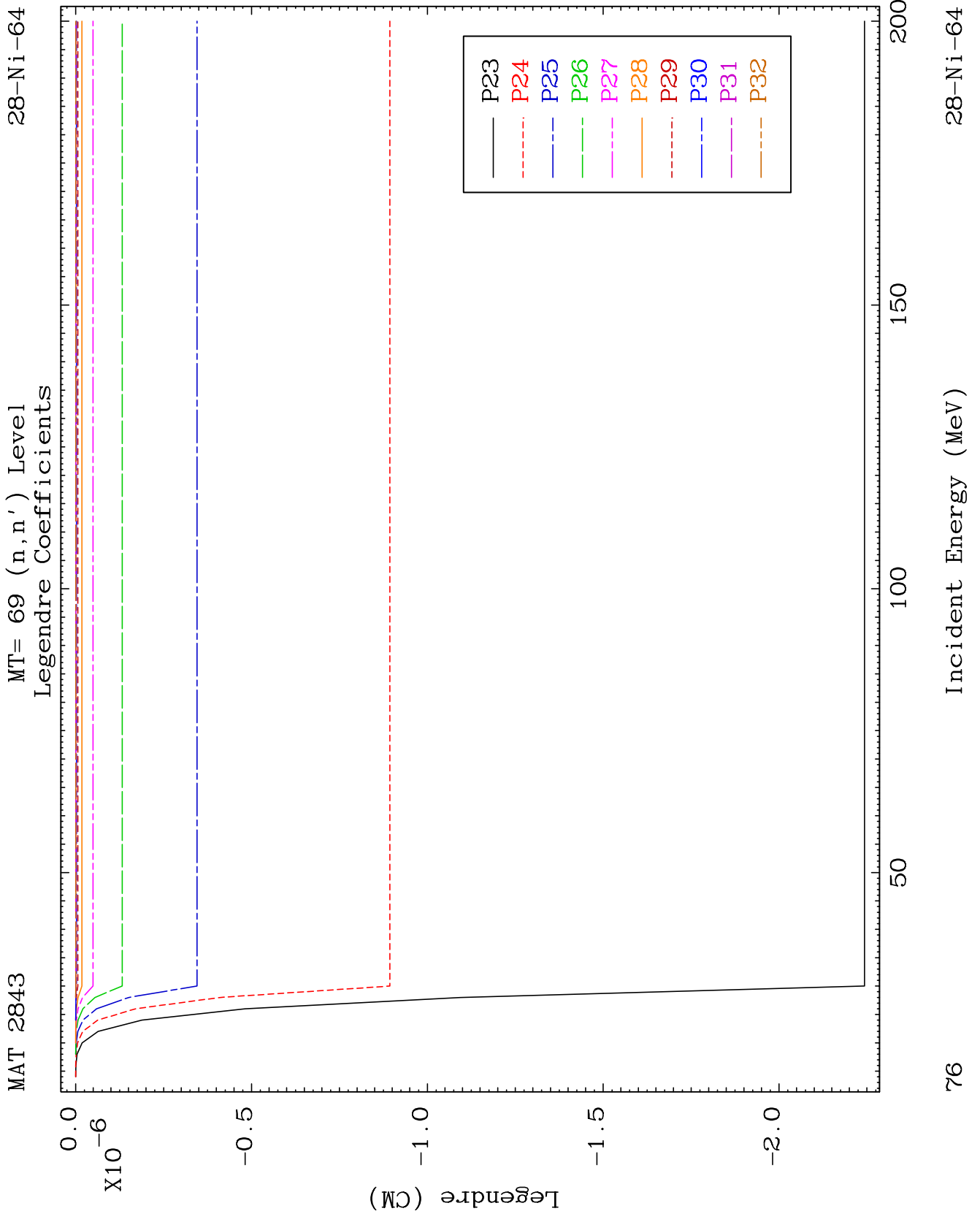
28-Ni-64



75

Incident Energy (MeV)

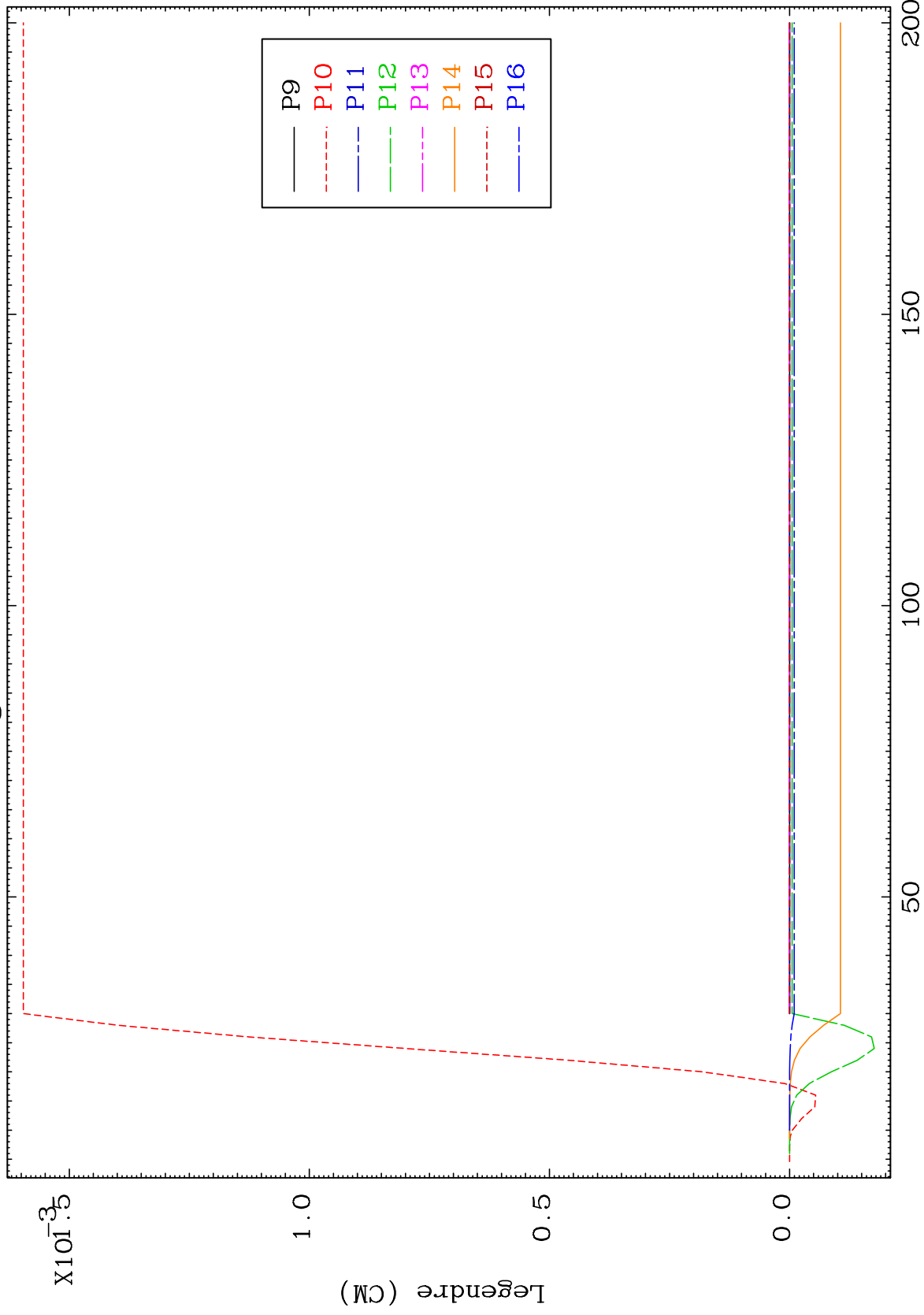
28-Ni-64



MAT 2843

MT= 70 (n,n') Level
Legendre Coefficients

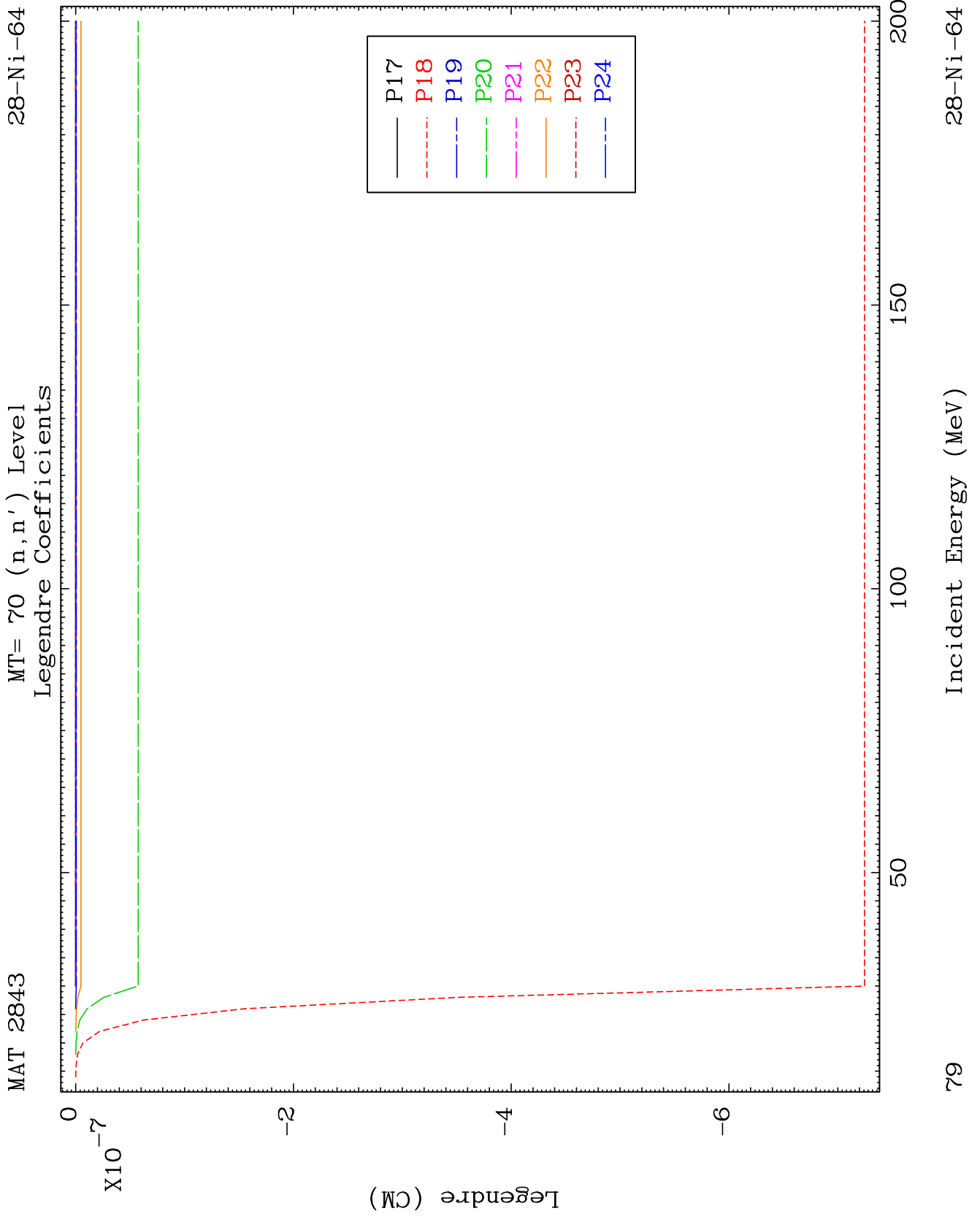
28-Ni-64



78

Incident Energy (MeV)

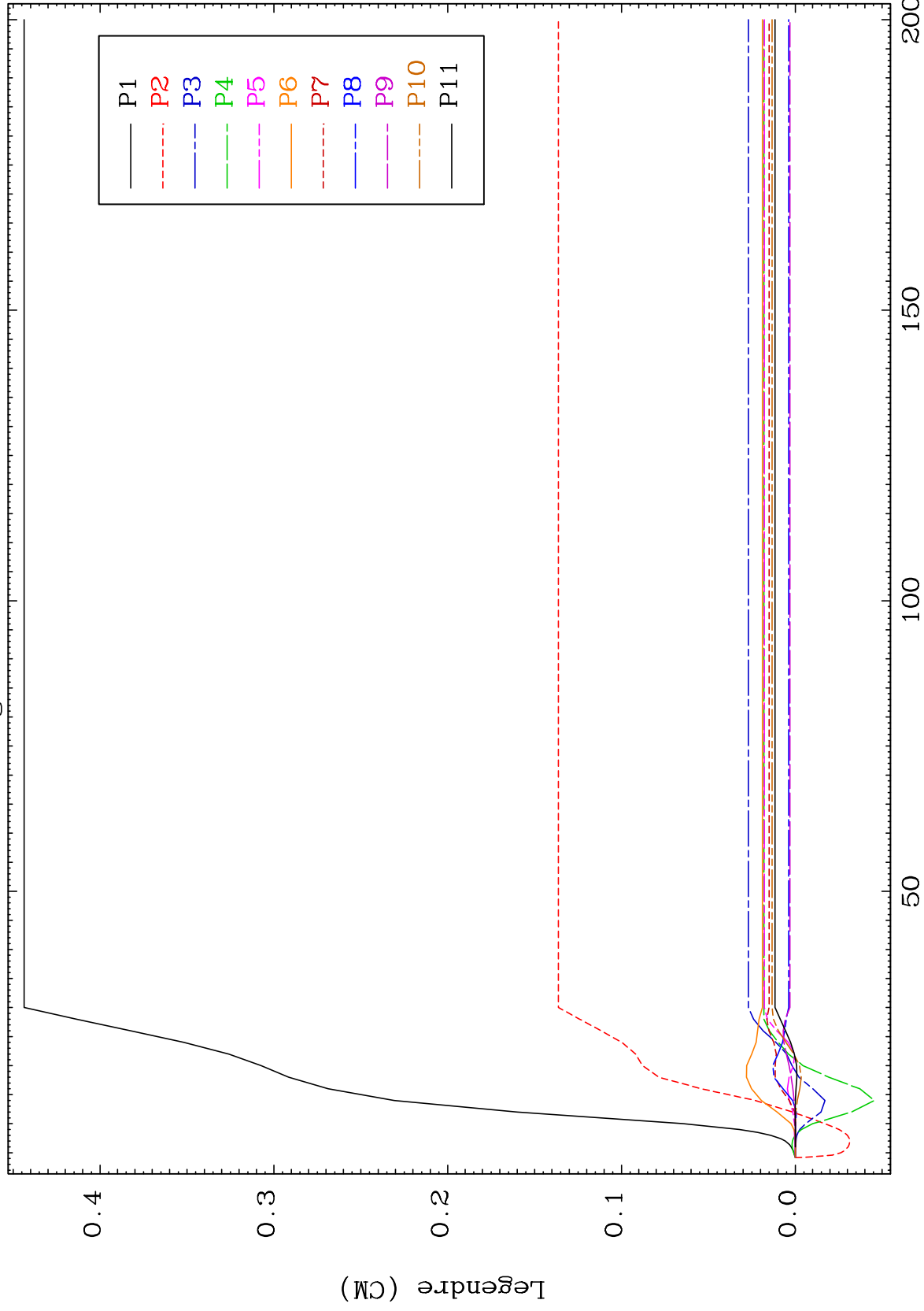
28-Ni-64



MAT 2843

MT= 71 (n,n') Level
Legendre Coefficients

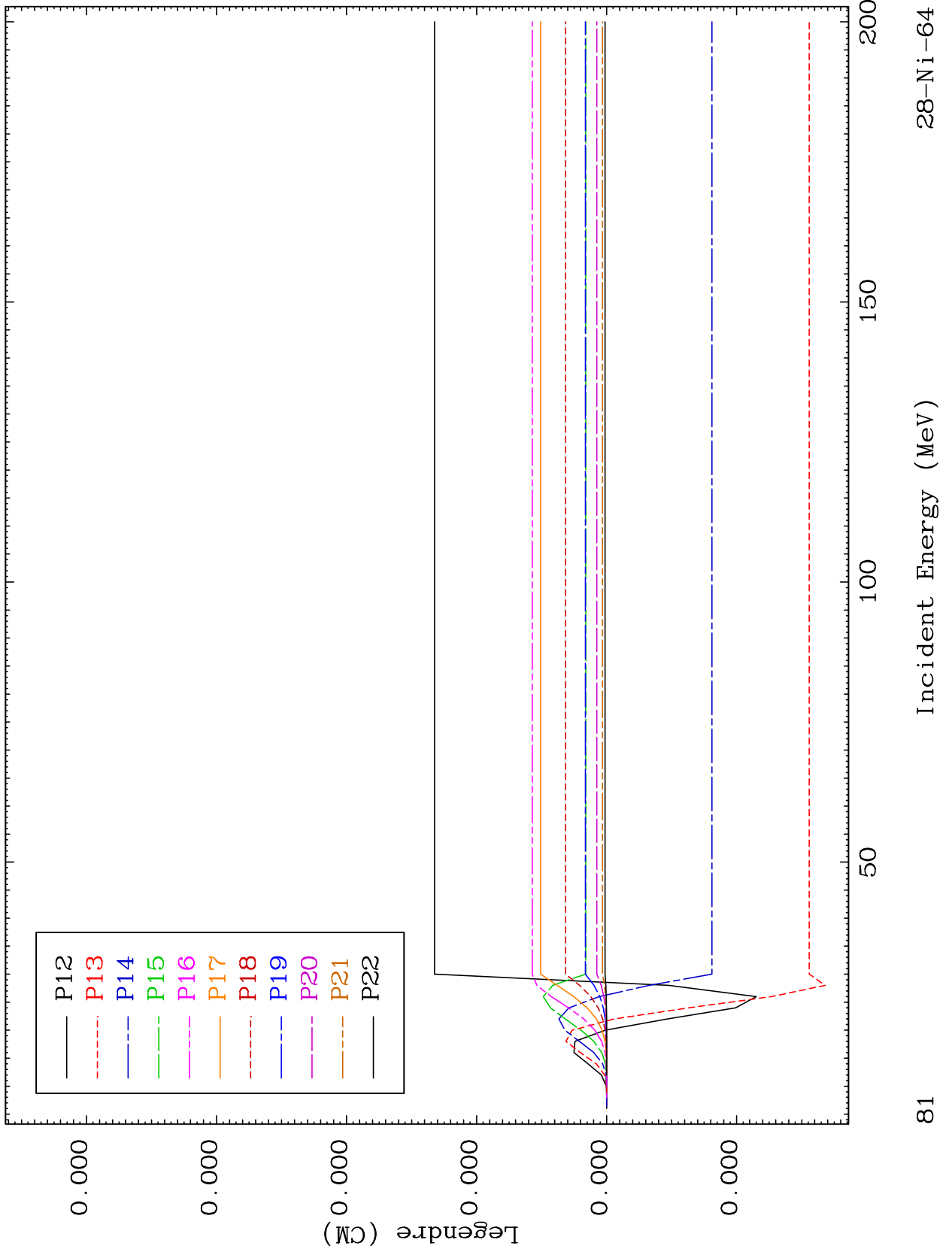
28-Ni-64



80

Incident Energy (MeV)

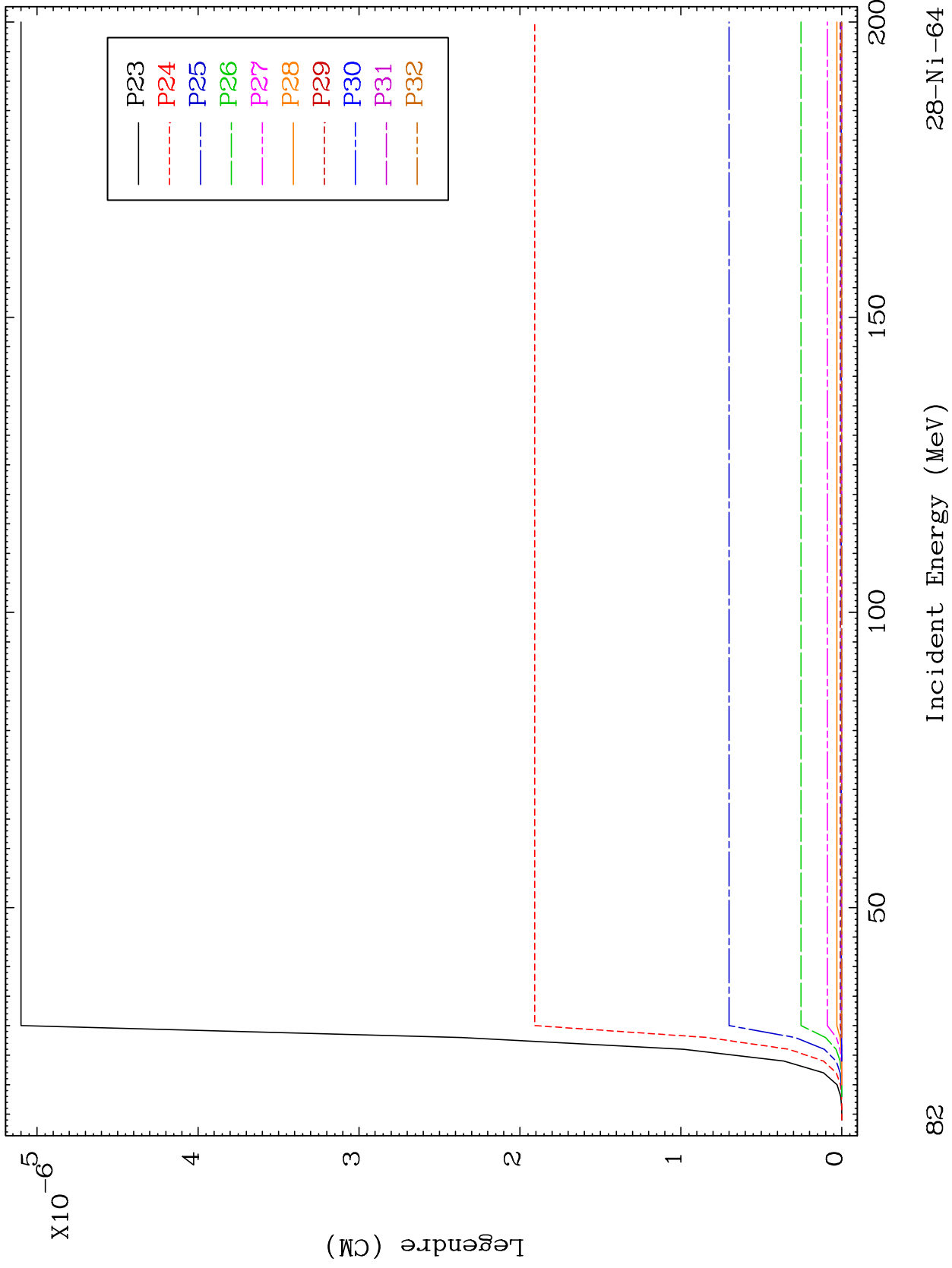
28-Ni-64



MAT 2843

MT= 71 (n,n') Level
Legendre Coefficients

28-Ni-64

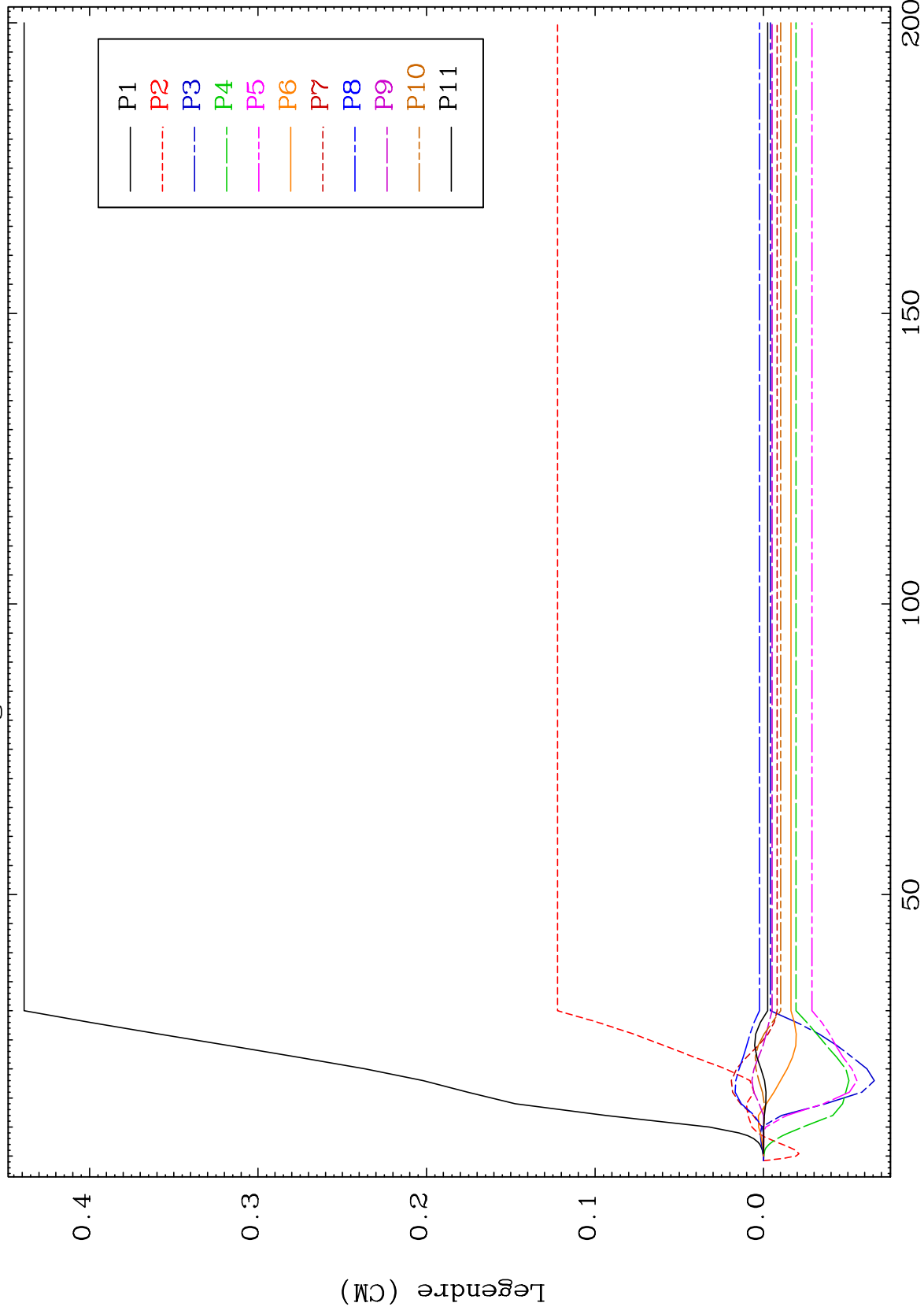


82

MAT 2843

MT= 72 (n,n') Level
Legendre Coefficients

28-Ni-64



83

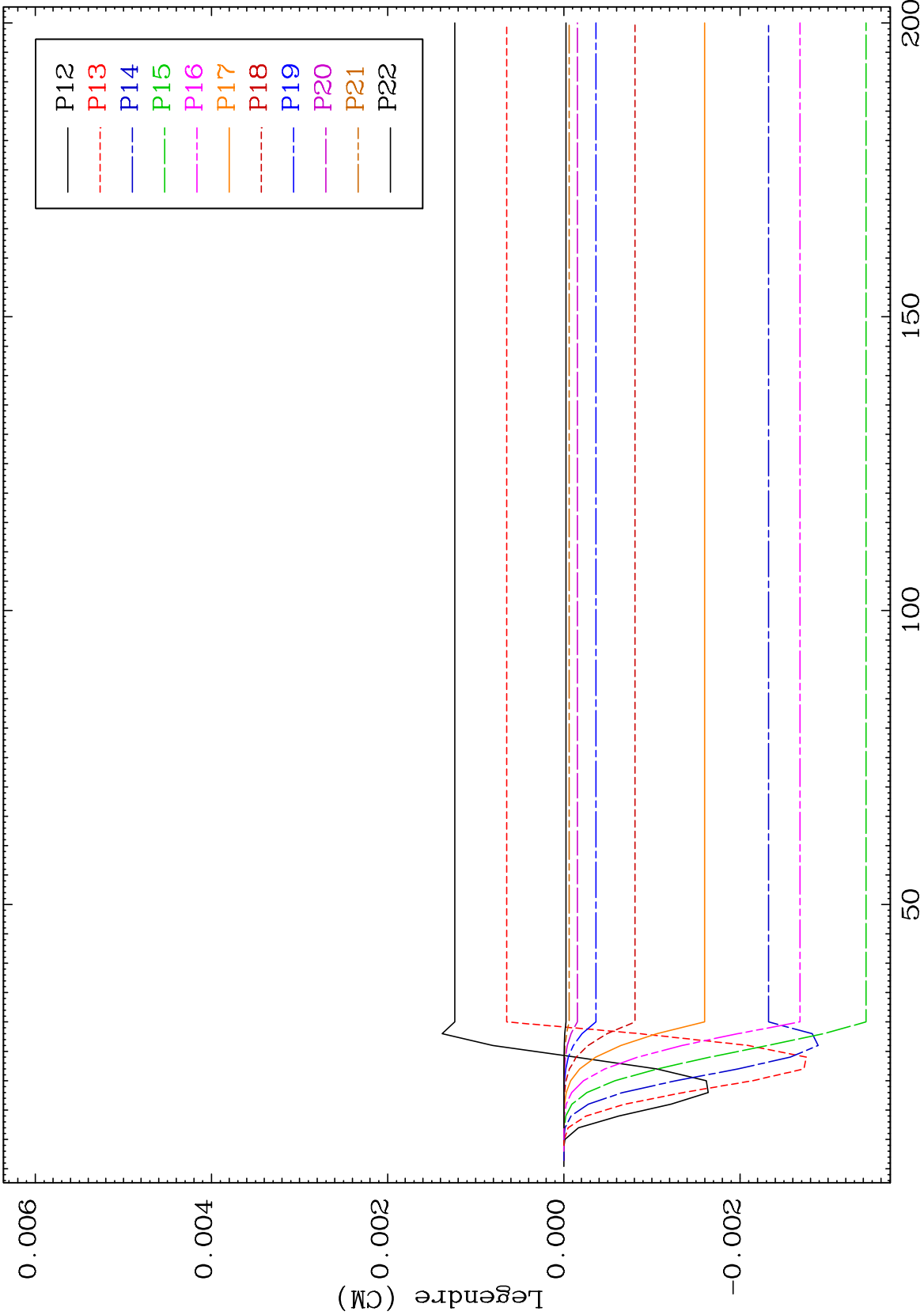
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 72 (n,n') Level
Legendre Coefficients

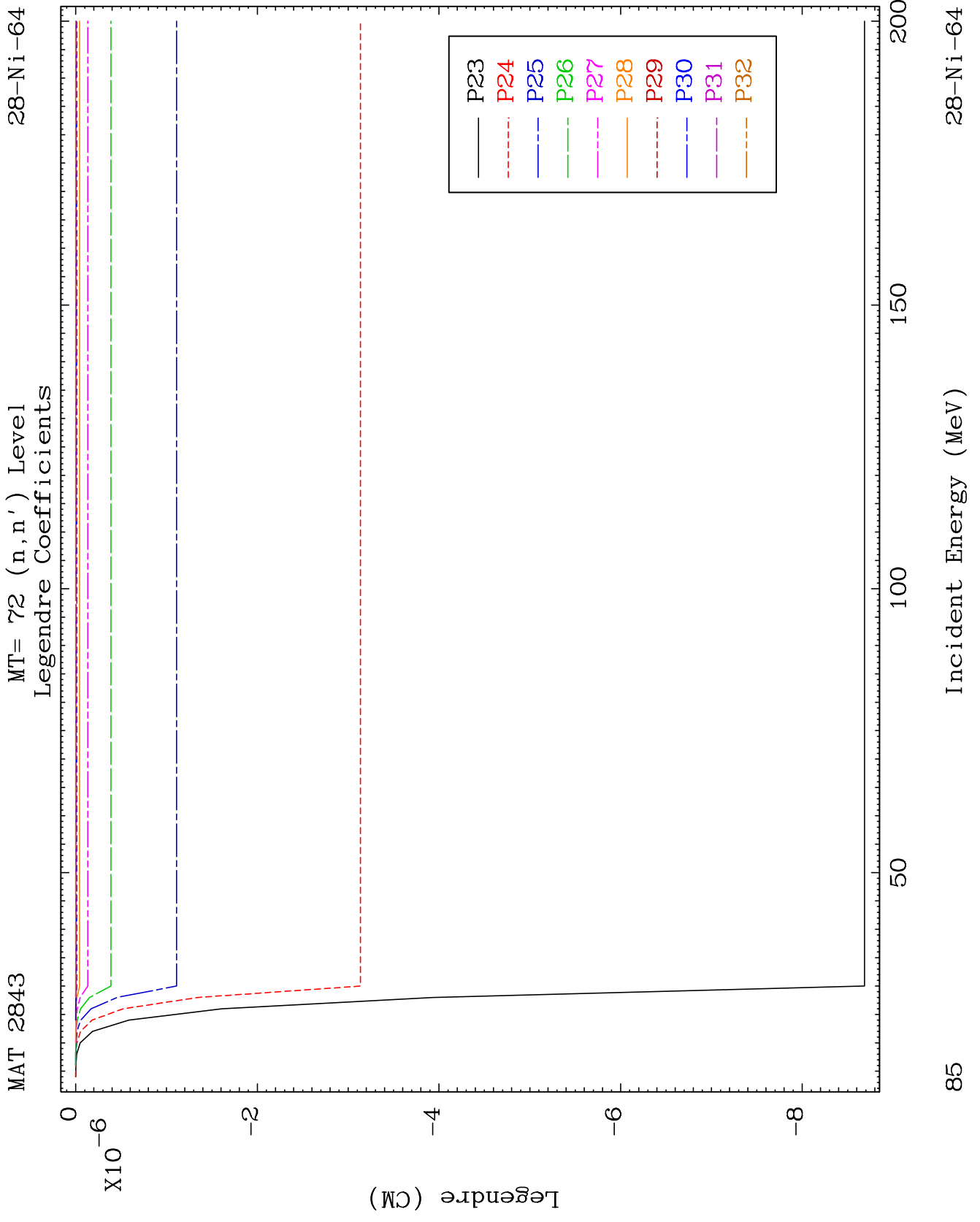
28-Ni-64



84

Incident Energy (MeV)

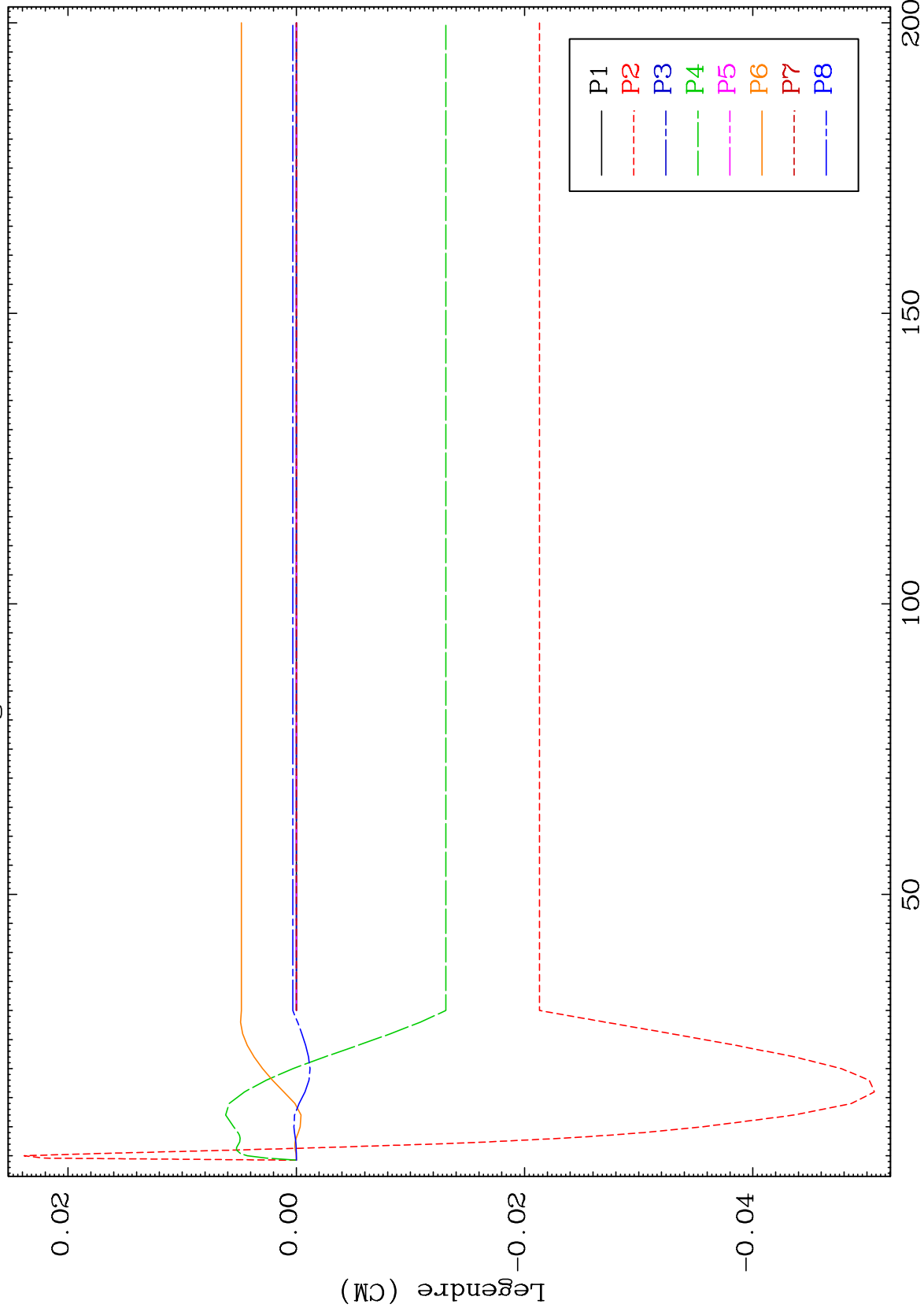
28-Ni-64



MAT 2843

MT= 73 (n,n') Level
Legendre Coefficients

28-Ni-64



86

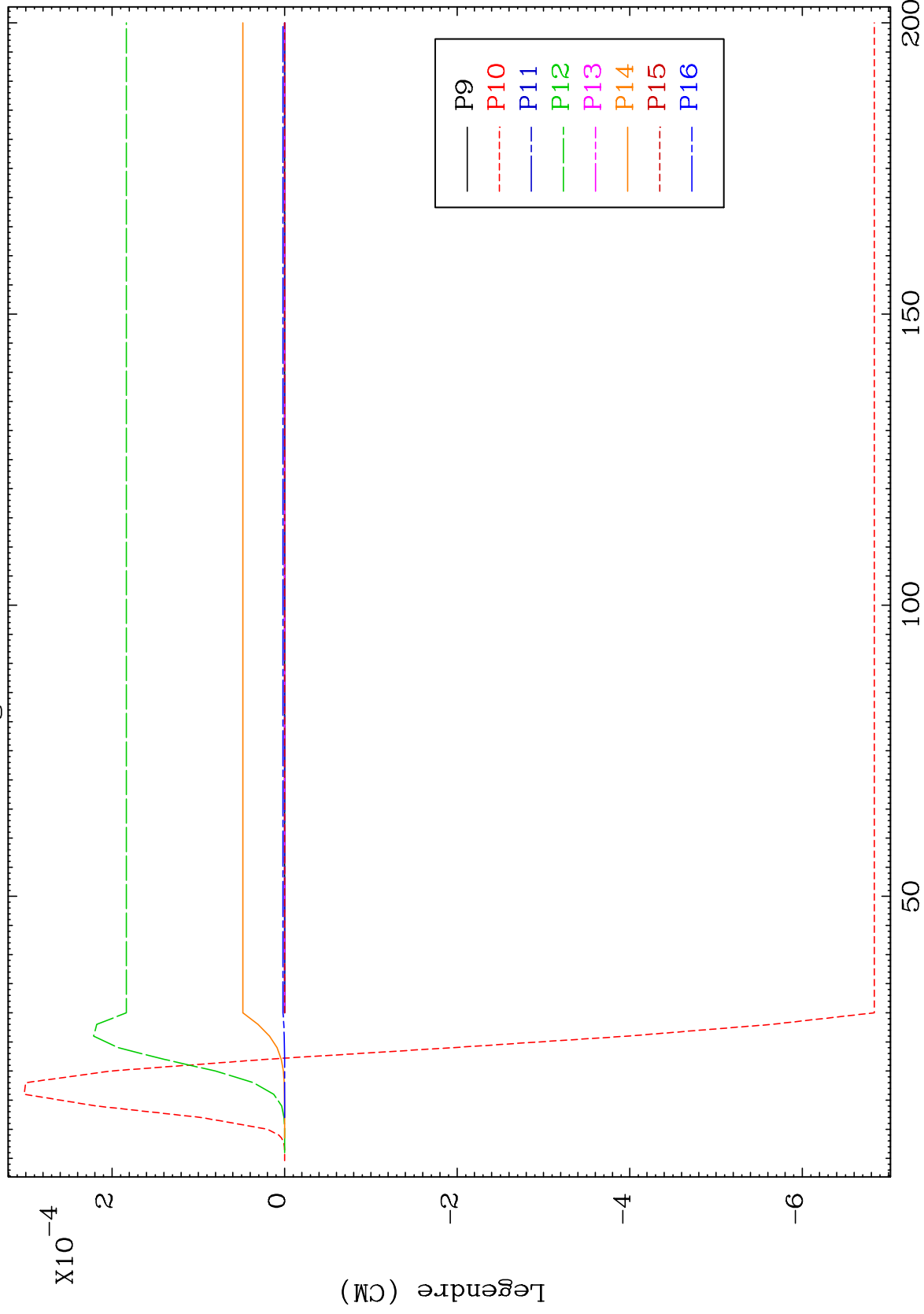
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 73 (n,n') Level
Legendre Coefficients

28-Ni-64



87

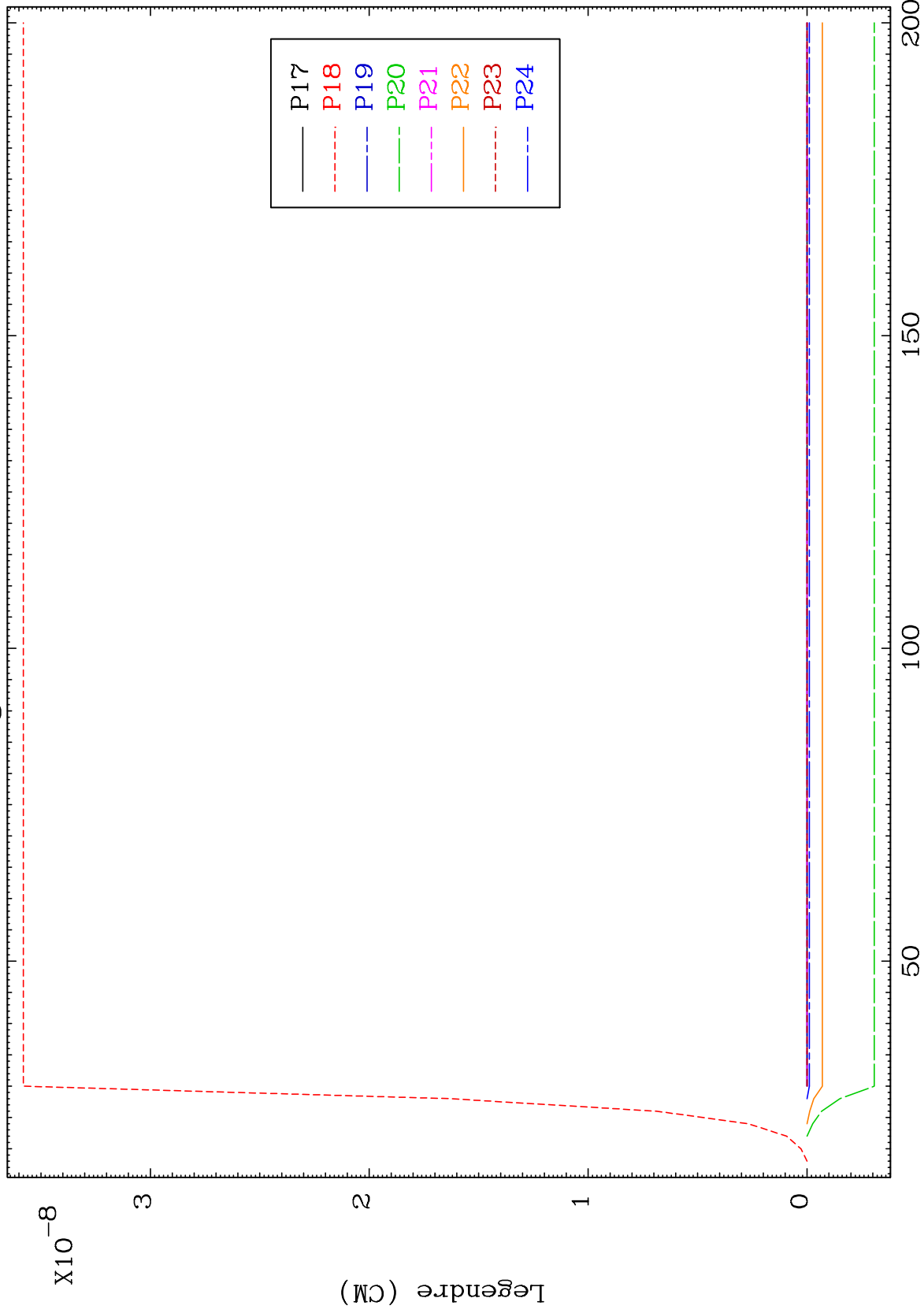
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 73 (n,n') Level
Legendre Coefficients

28-Ni-64



88

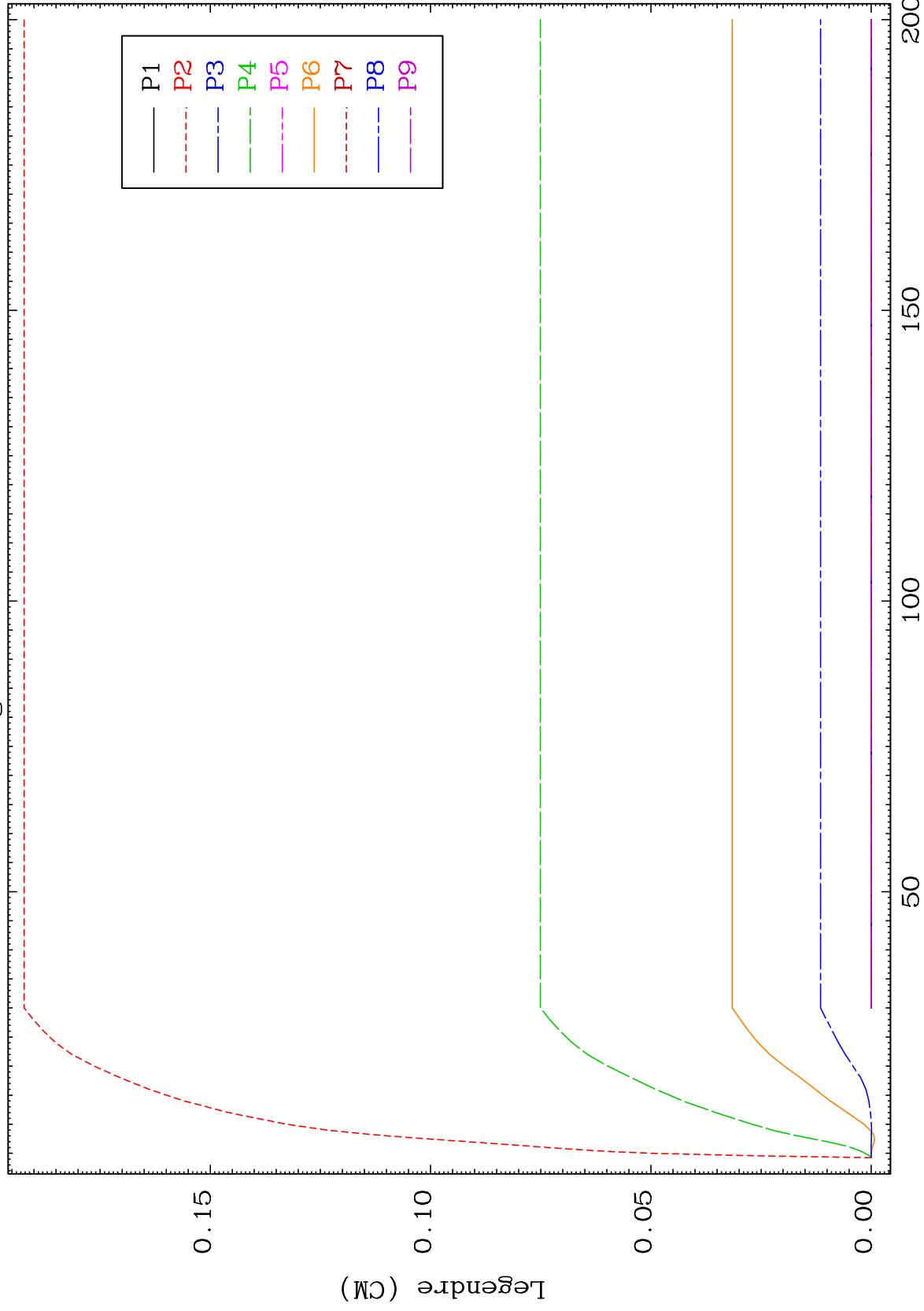
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 74 (n,n') Level
Legendre Coefficients

28-Ni-64



89

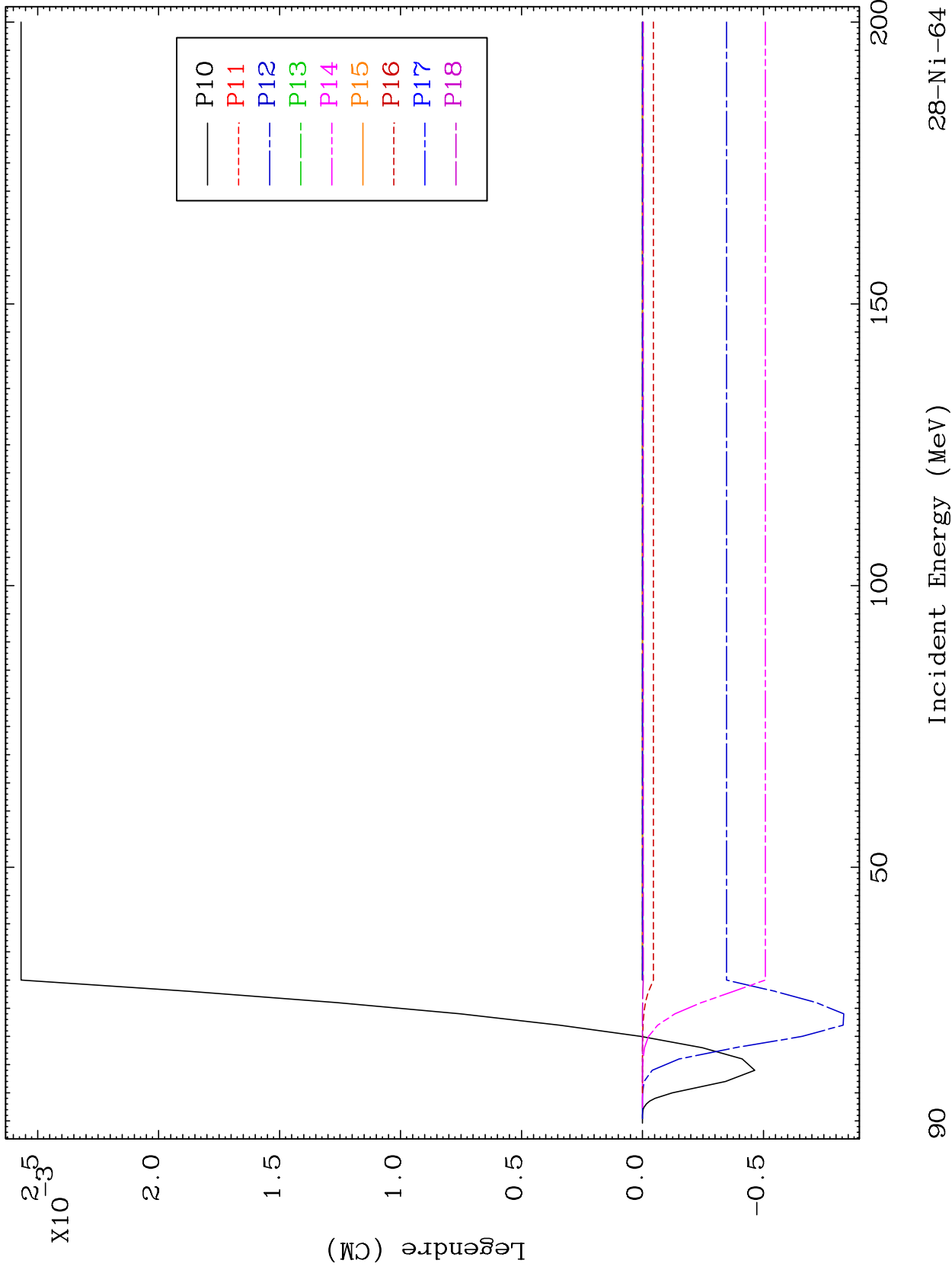
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 74 (n,n') Level
Legendre Coefficients

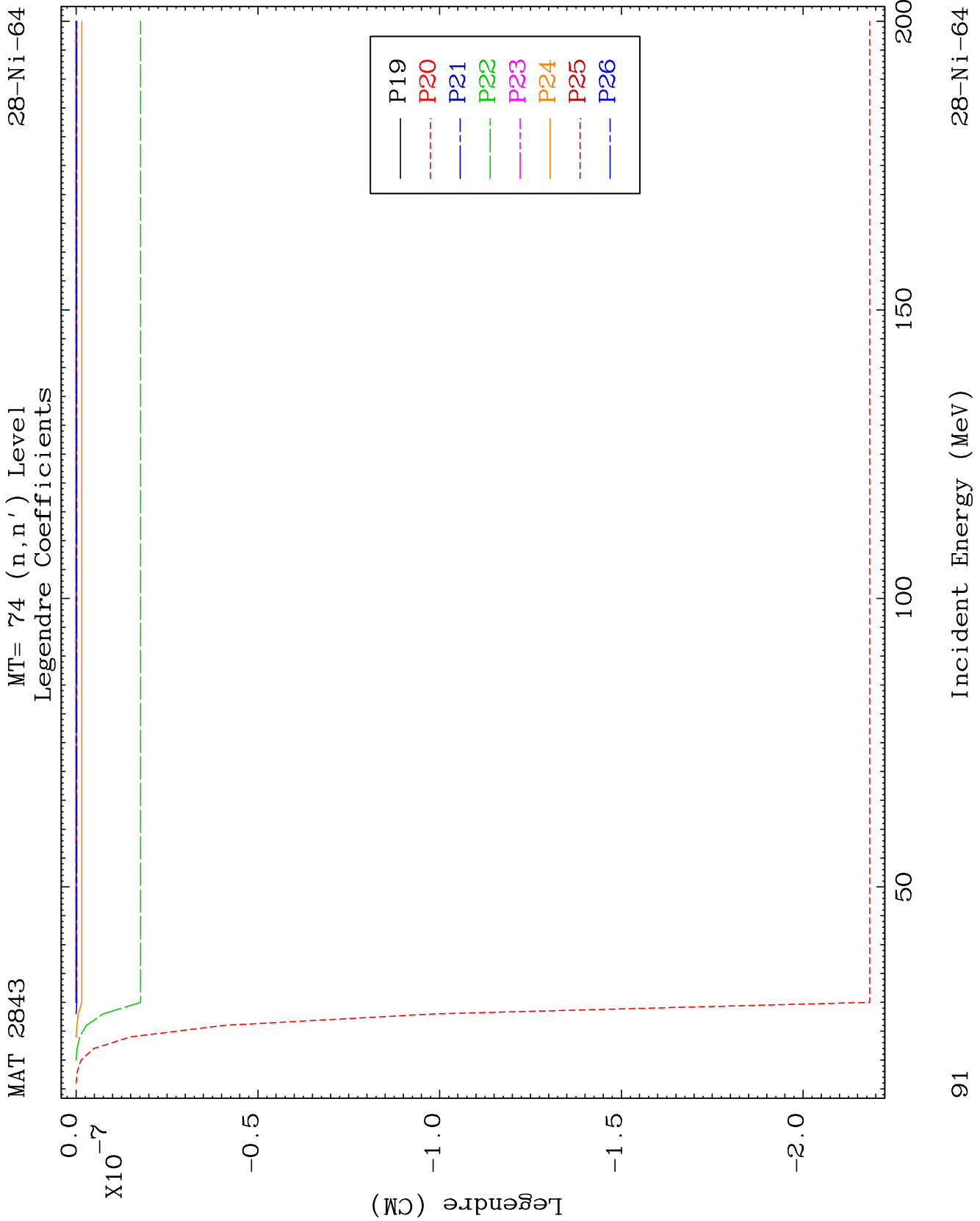
28-Ni-64



28-Ni-64

Incident Energy (MeV)

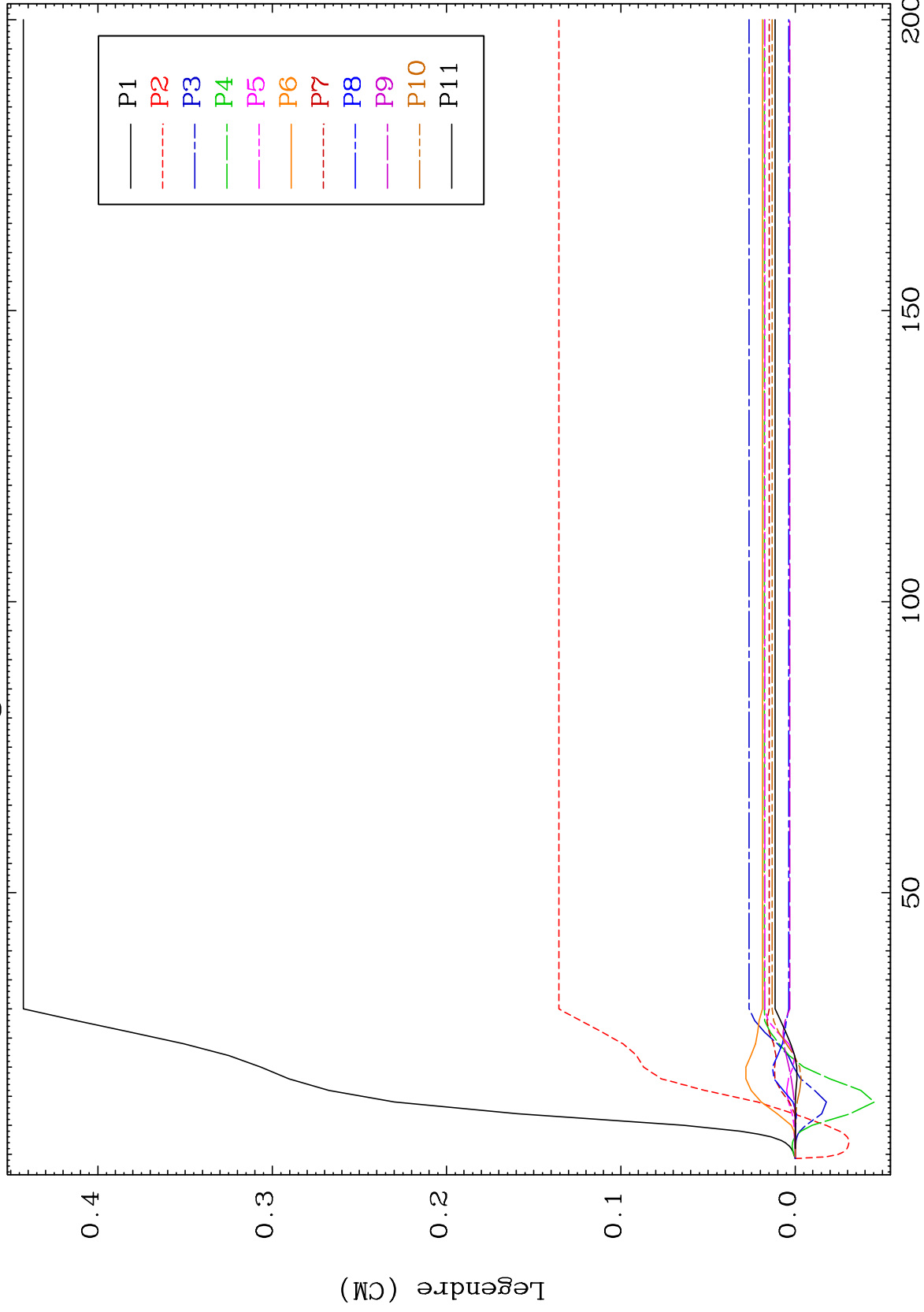
90



MAT 2843

MT= 75 (n,n') Level
Legendre Coefficients

28-Ni-64



92

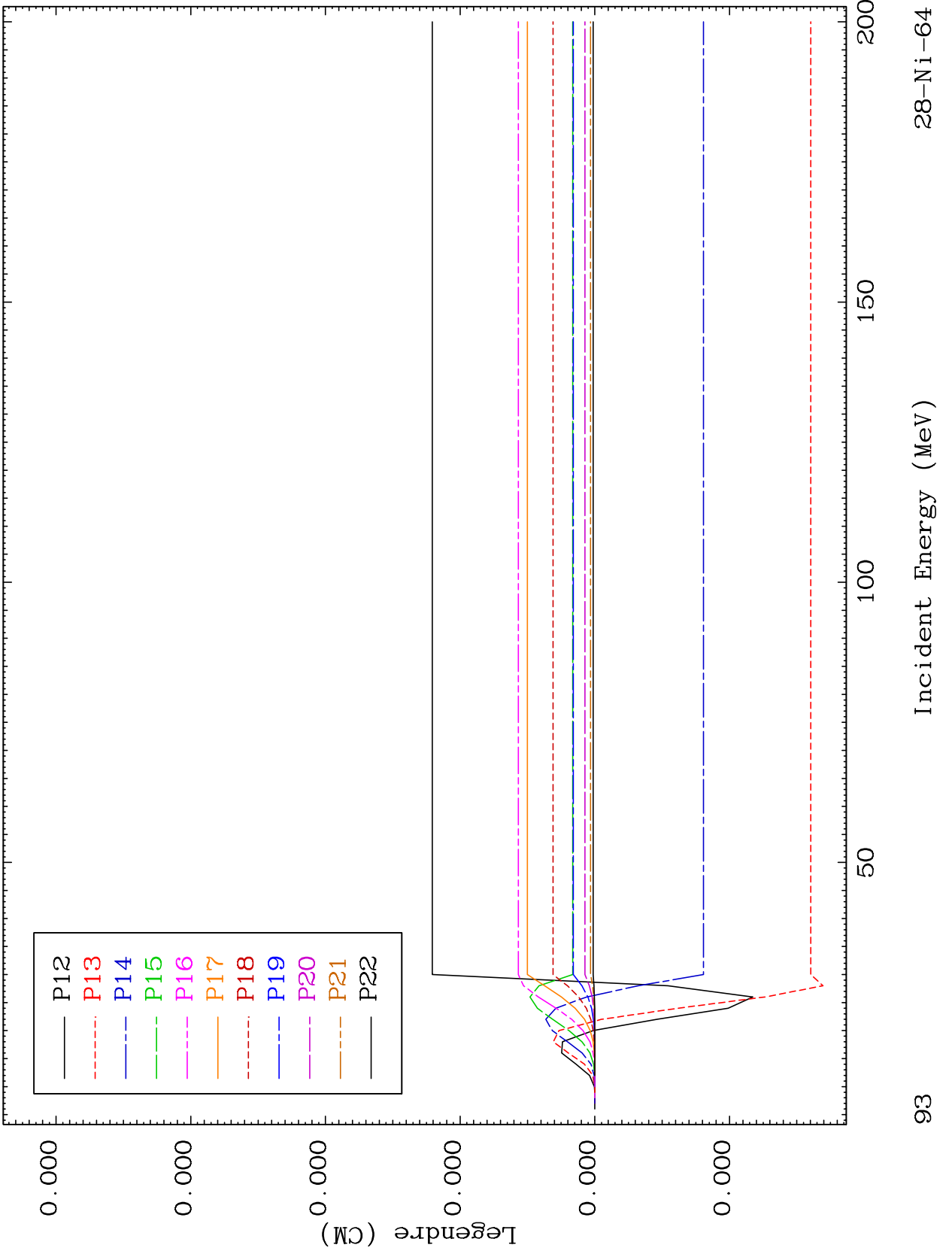
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 75 (n,n') Level
Legendre Coefficients

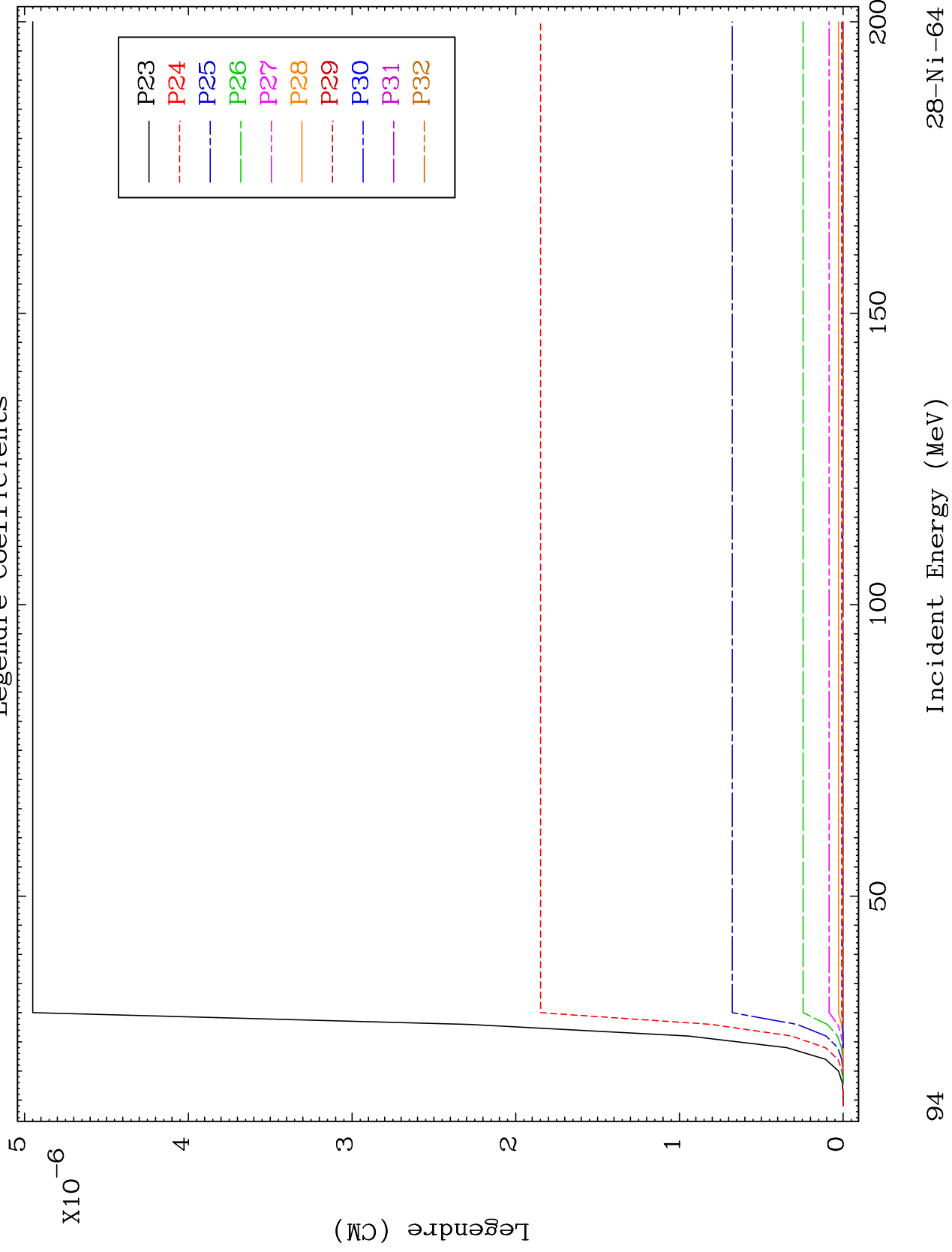
28-Ni-64



MAT 2843

MT= 75 (n,n') Level
Legendre Coefficients

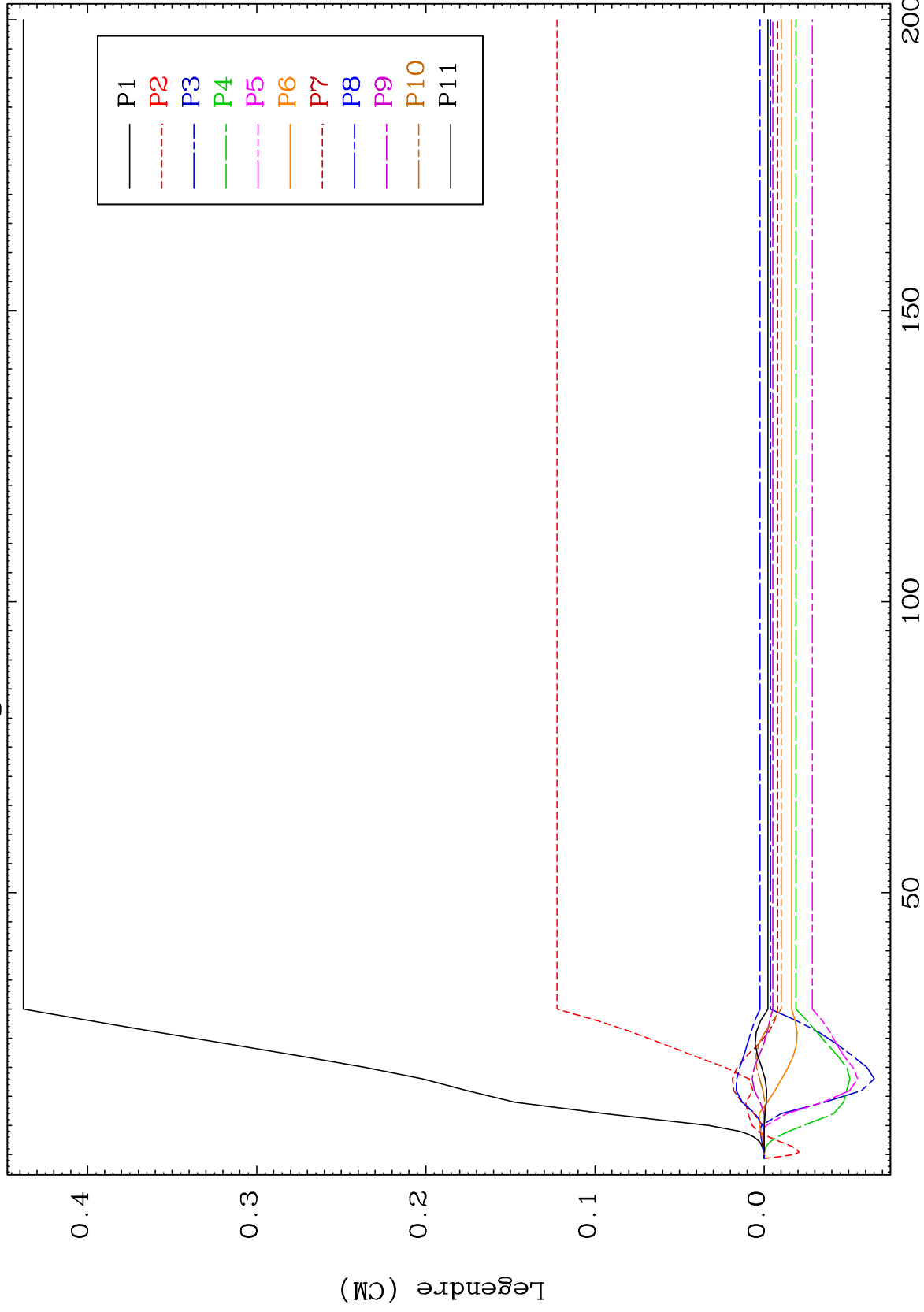
28-Ni-64



MAT 2843

MT= 76 (n,n') Level
Legendre Coefficients

28-Ni-64



95

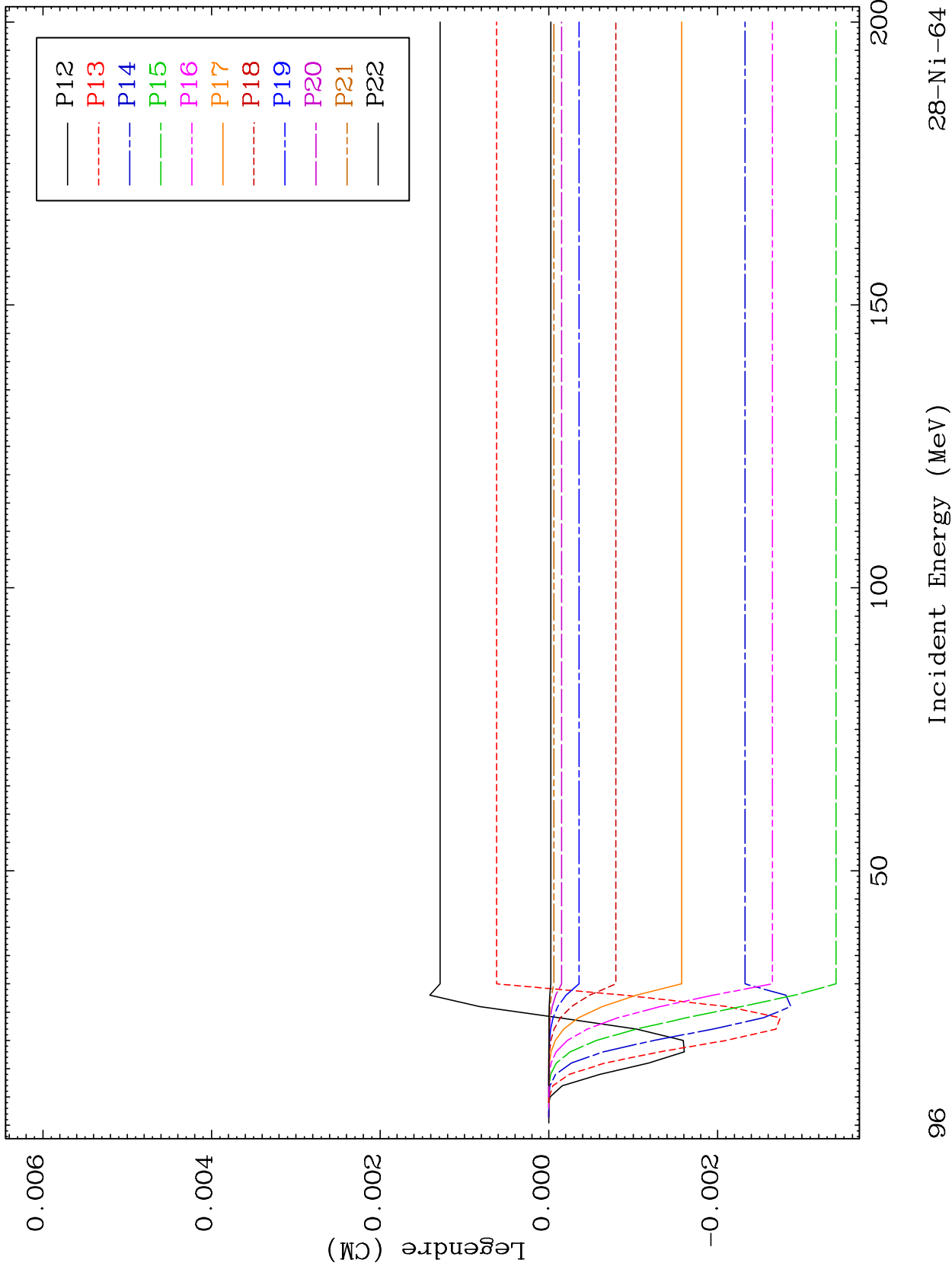
Incident Energy (MeV)

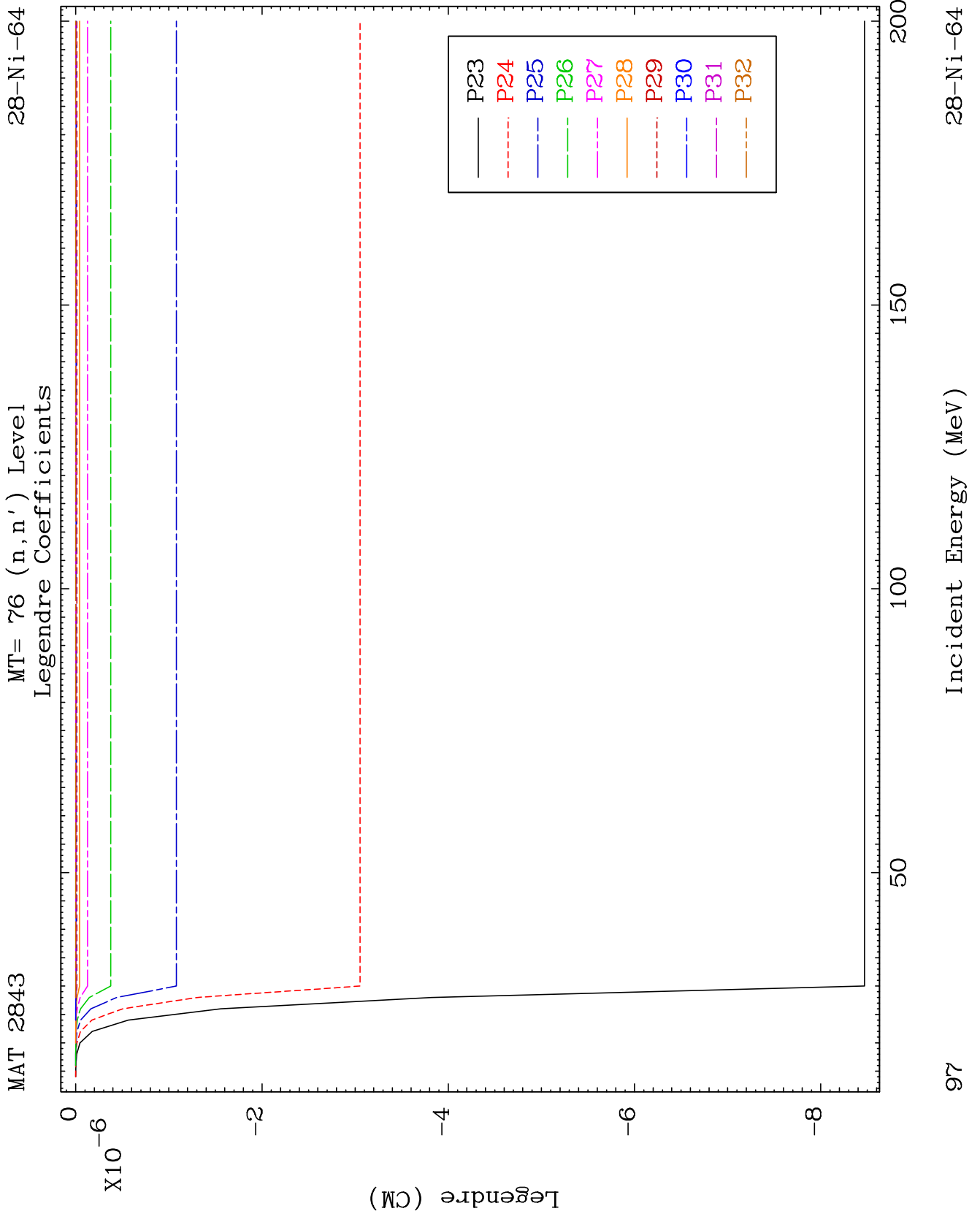
28-Ni-64

MAT 2843

MT= 76 (n,n') Level
Legendre Coefficients

28-Ni-64

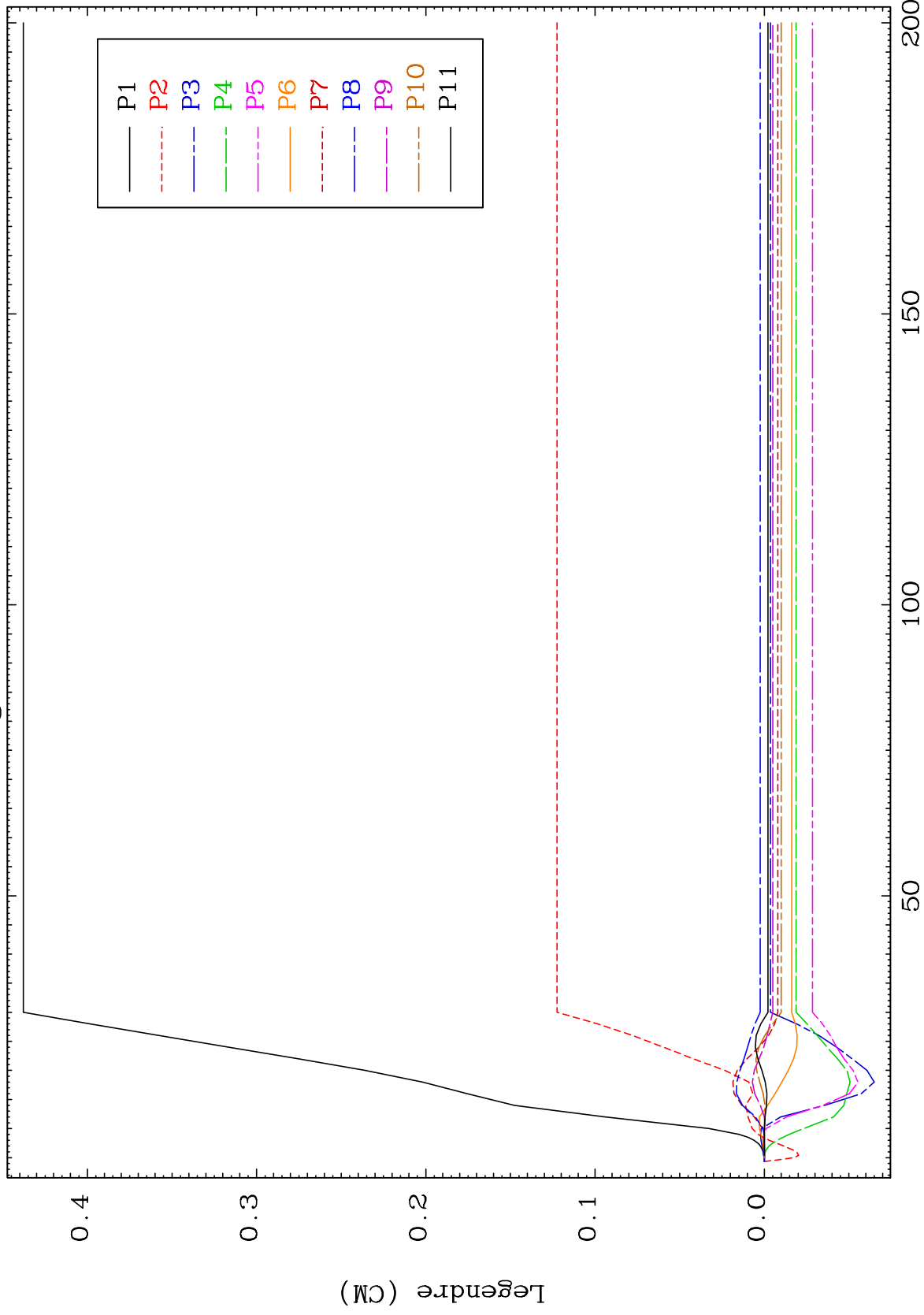




MAT 2843

MT= 77 (n,n') Level
Legendre Coefficients

28-Ni-64



98

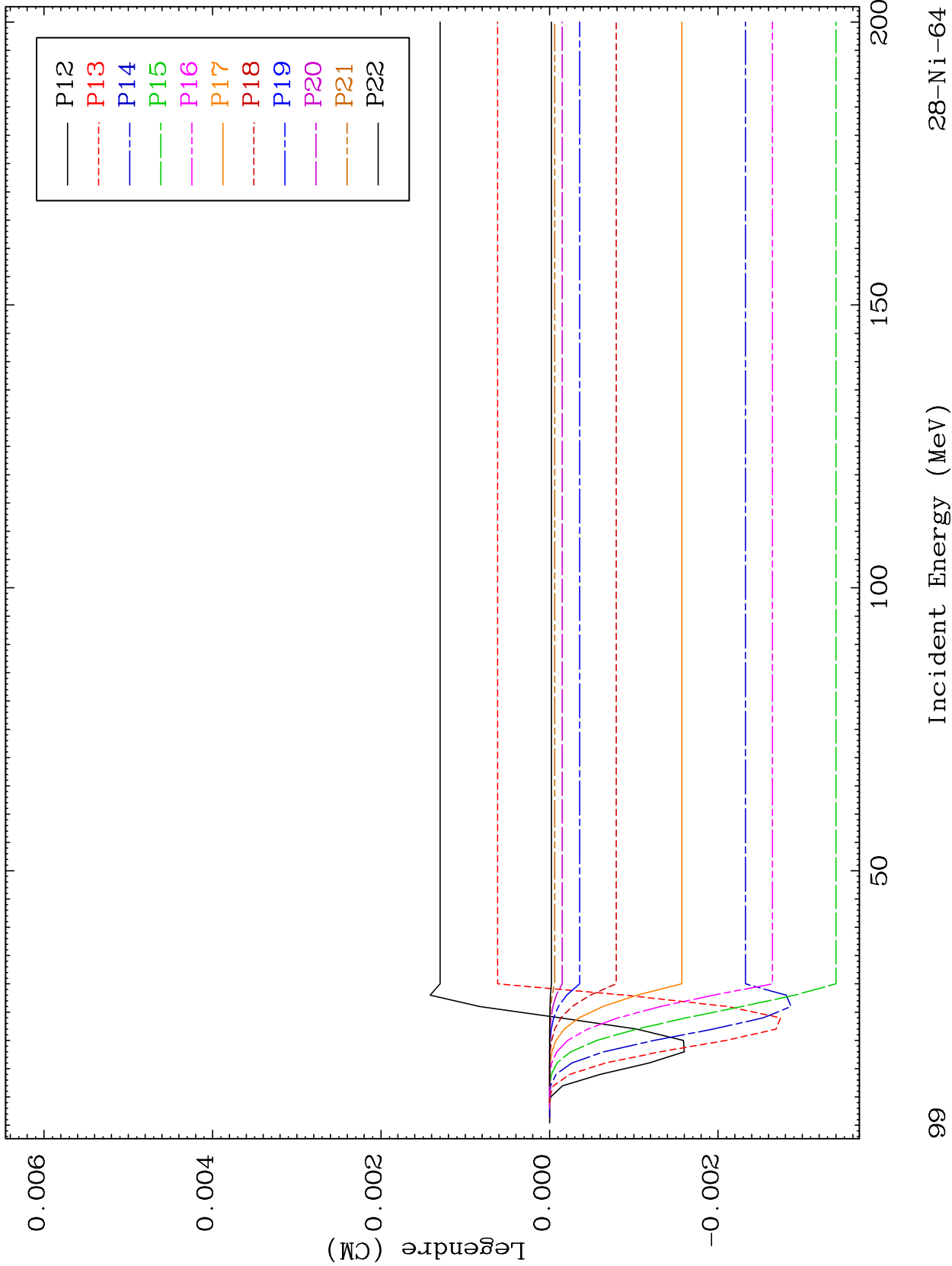
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 77 (n,n') Level
Legendre Coefficients

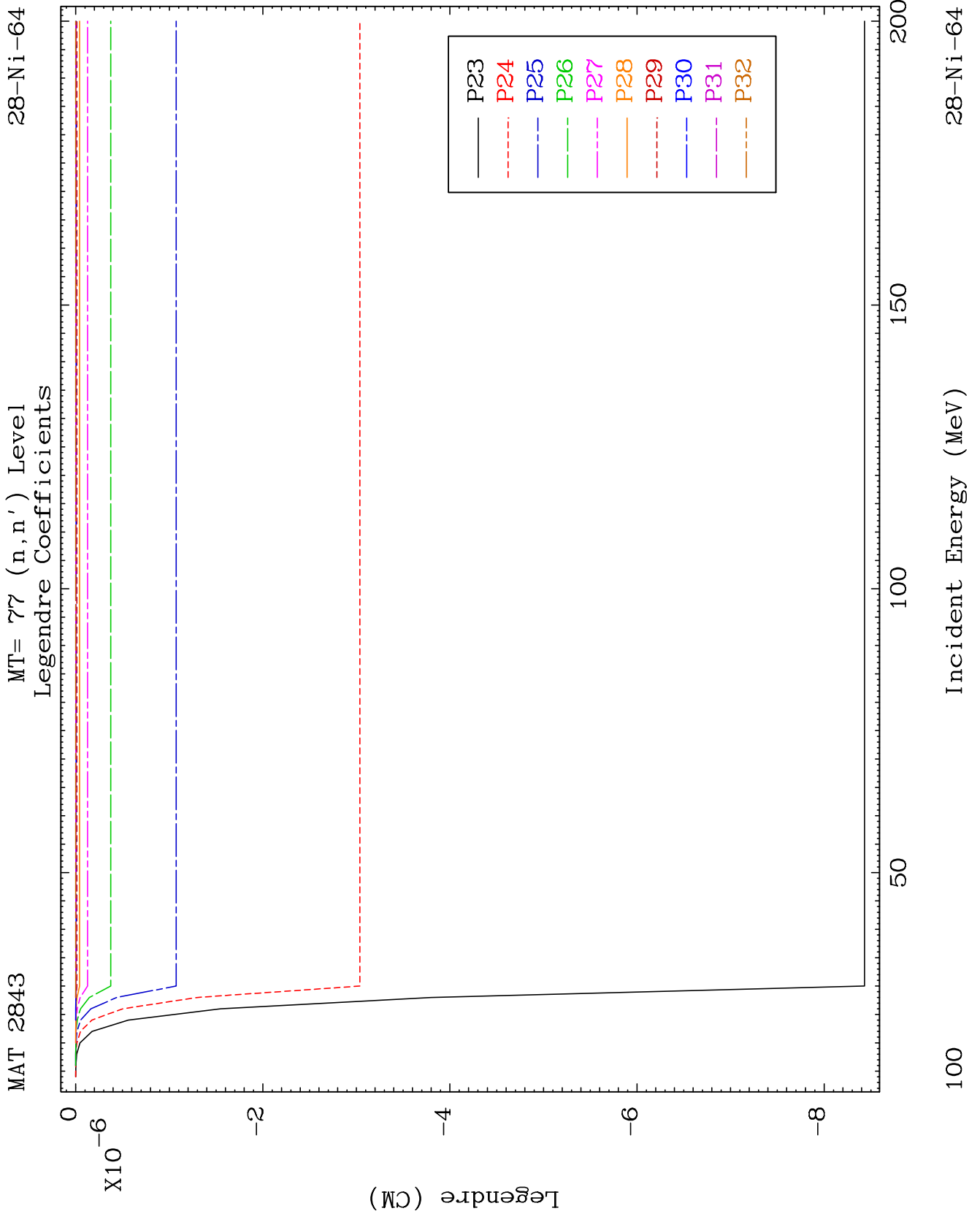
28-Ni-64

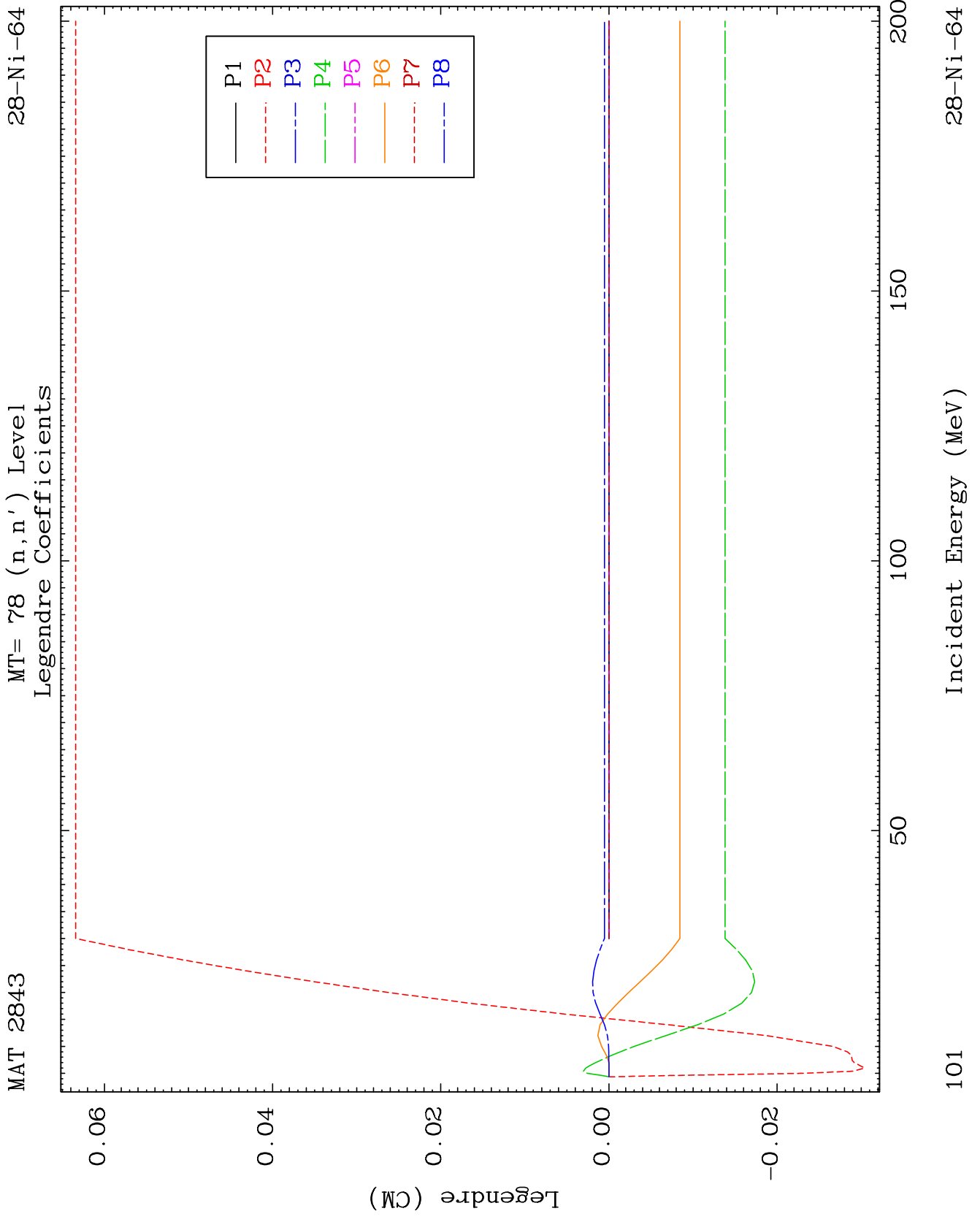


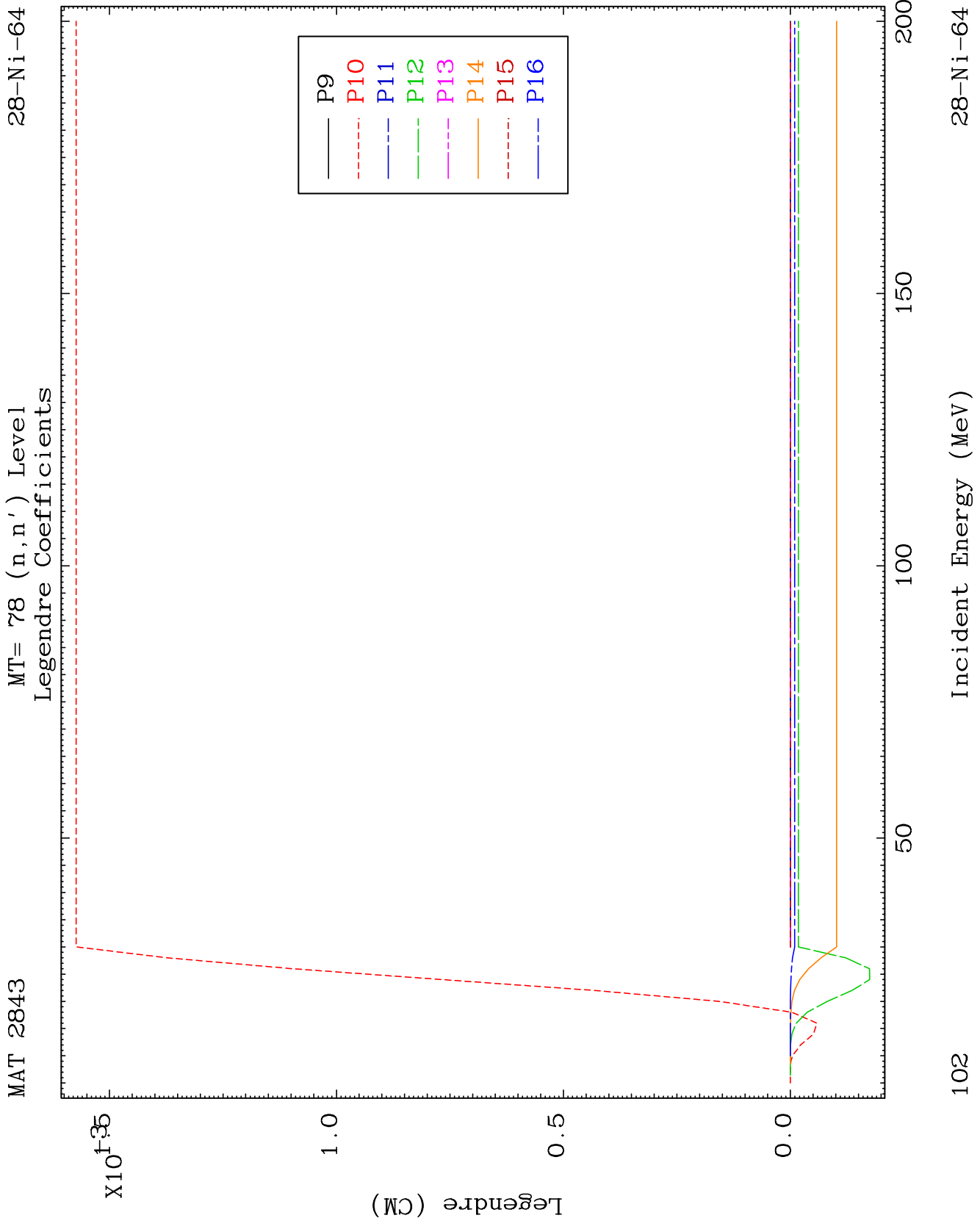
99

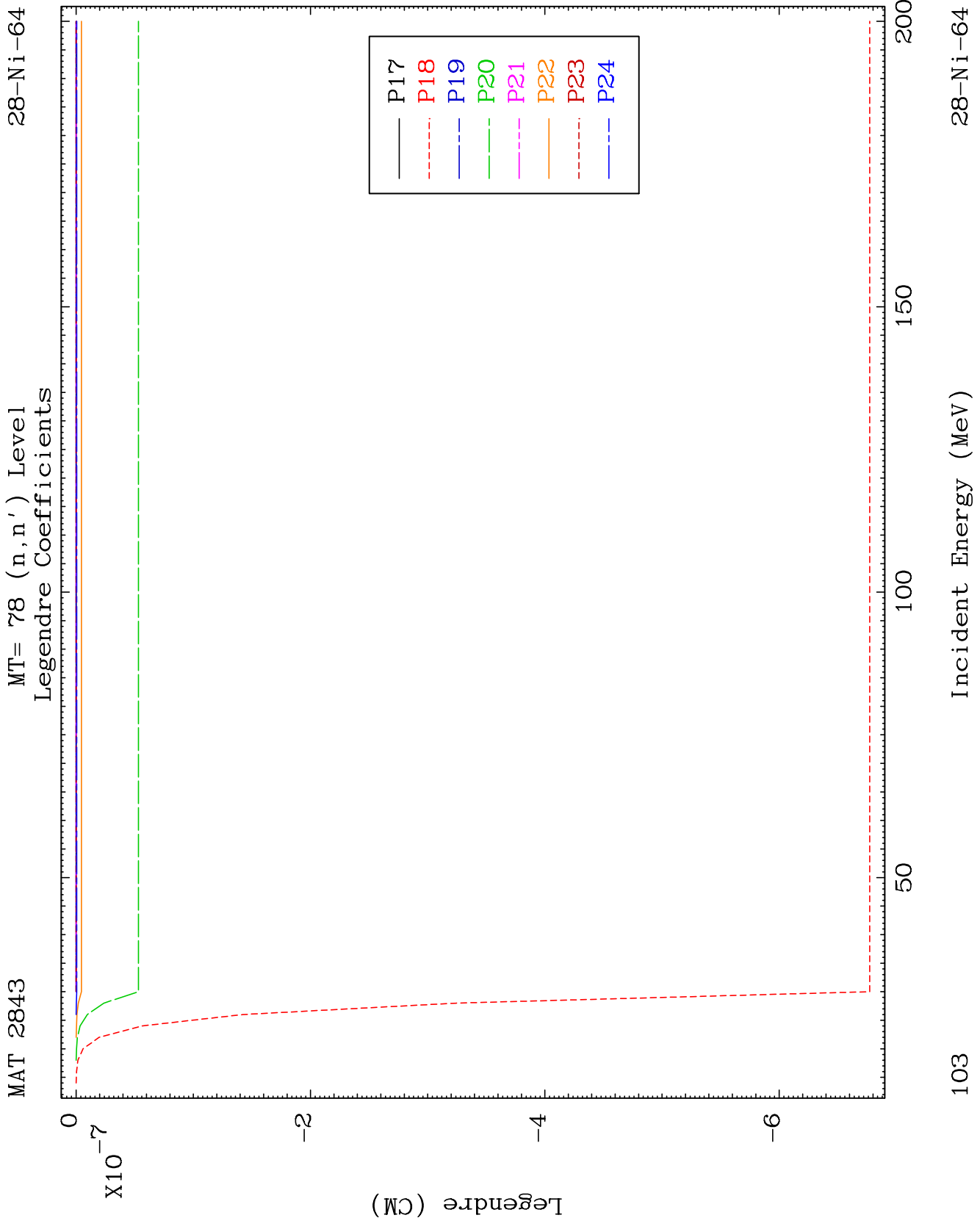
Incident Energy (MeV)

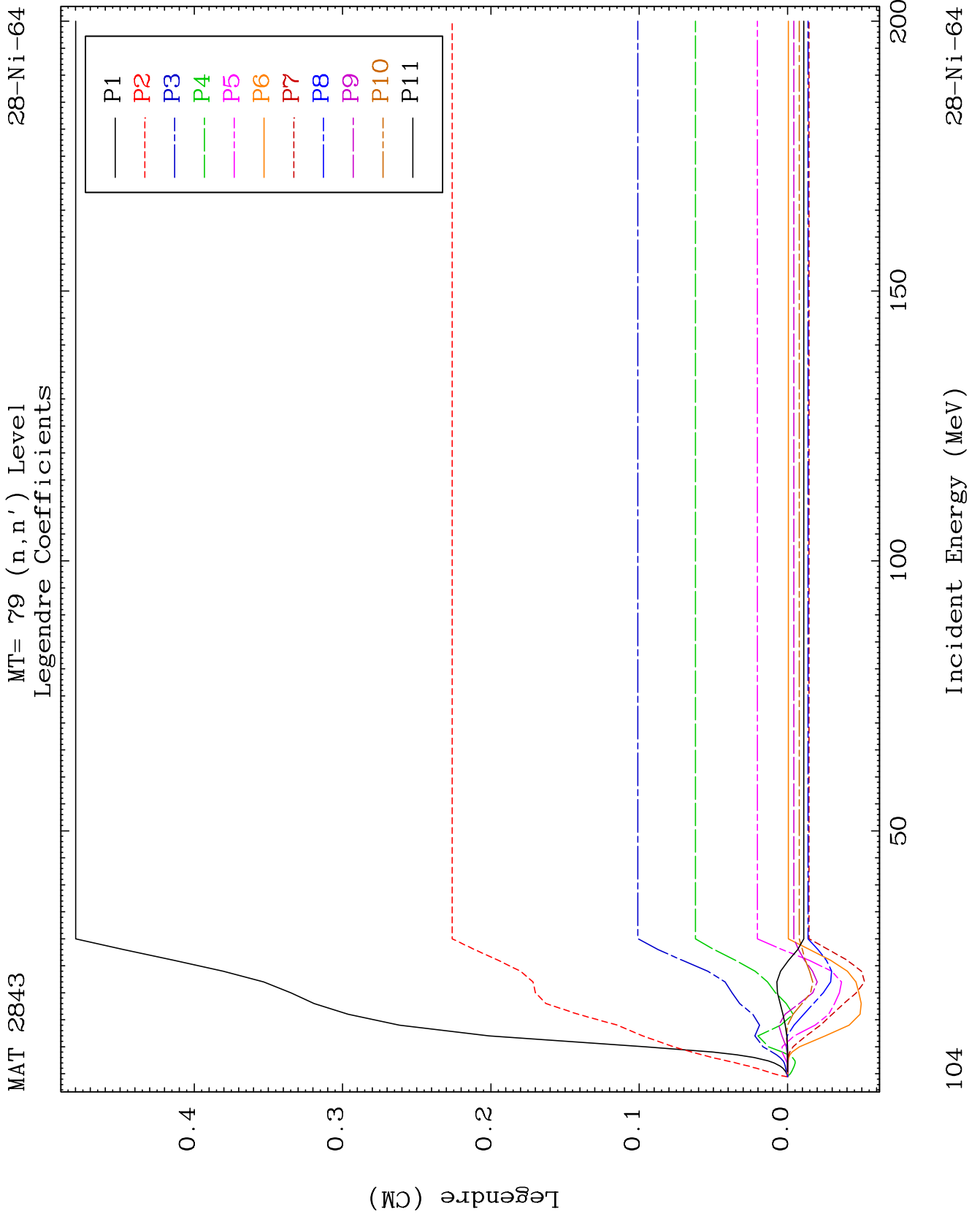
28-Ni-64







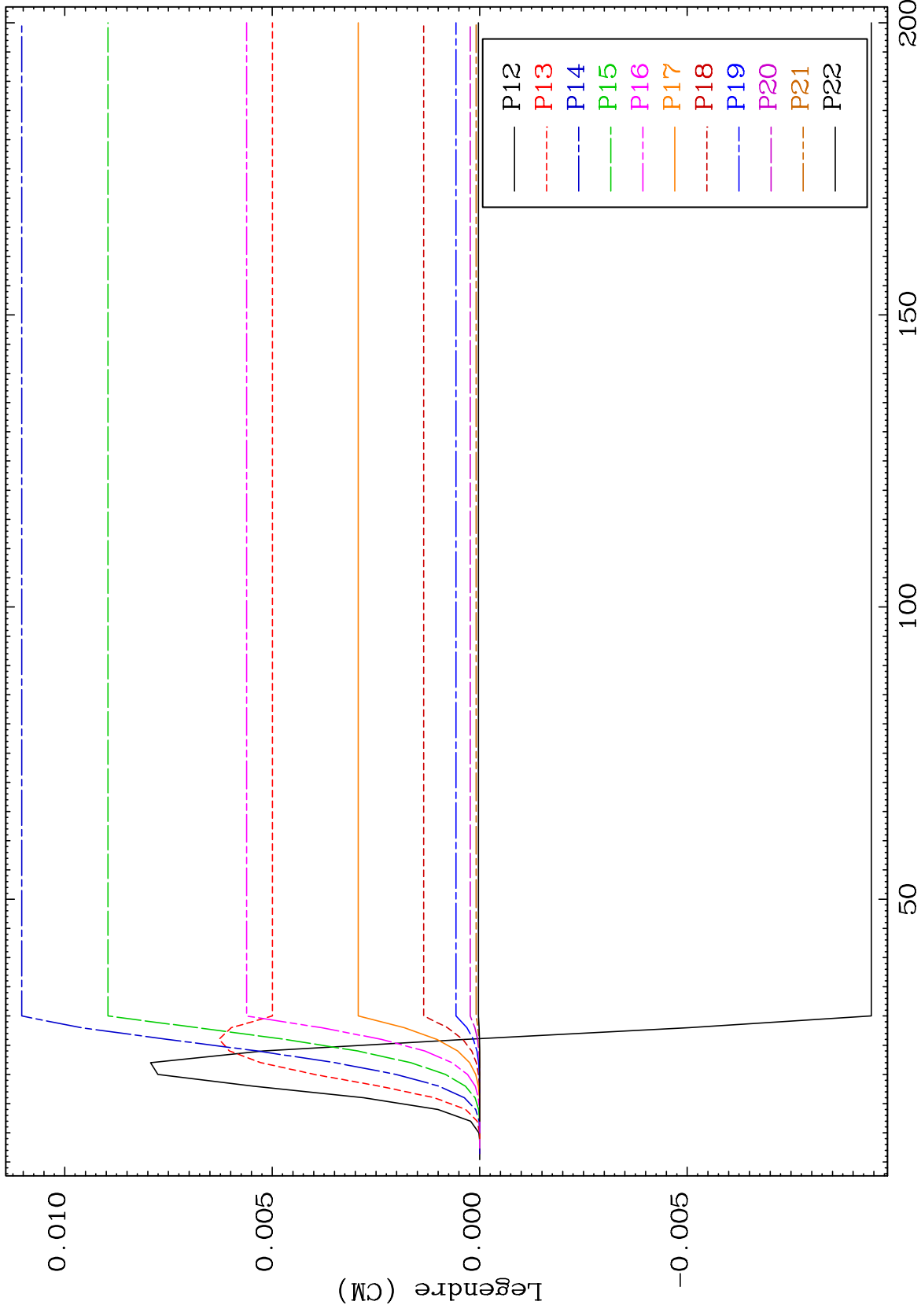




MAT 2843

MT= 79 (n,n') Level
Legendre Coefficients

28-Ni-64



105

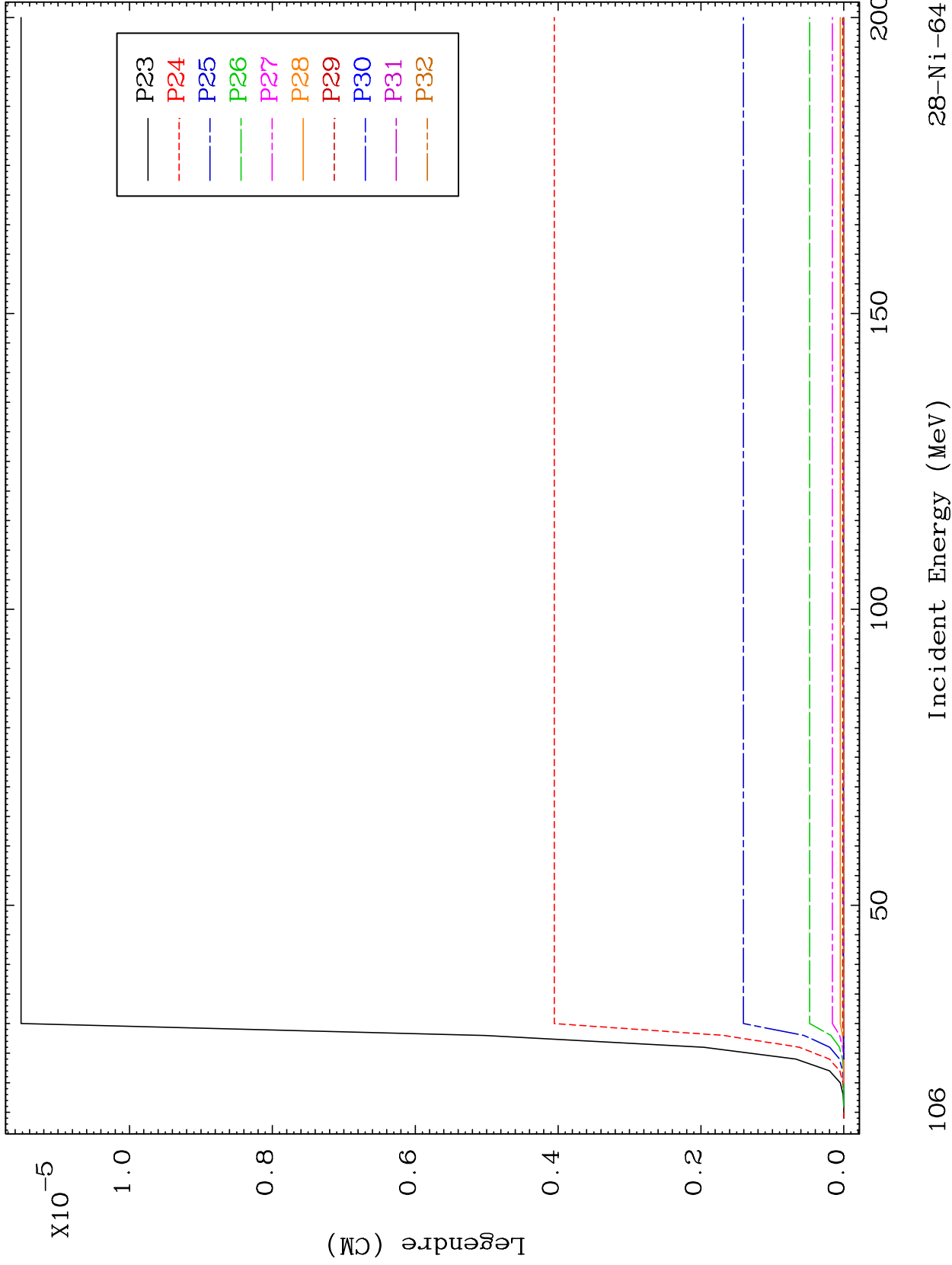
Incident Energy (MeV)

28-Ni-64

MAT 2843

MT= 79 (n,n') Level
Legendre Coefficients

28-Ni-64

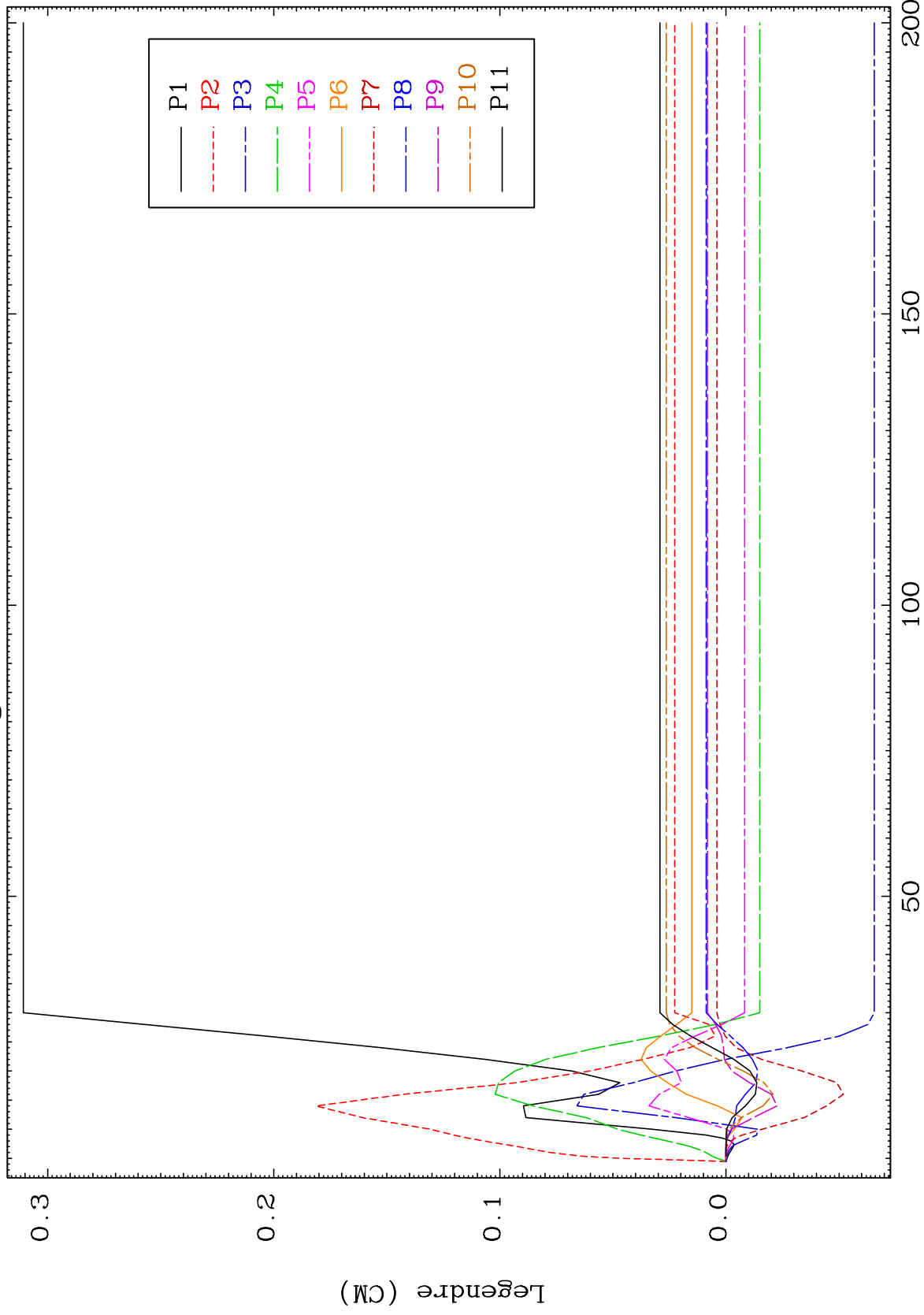


106

MAT 2843

MT= 80 (n,n') Level
Legendre Coefficients

28-Ni-64



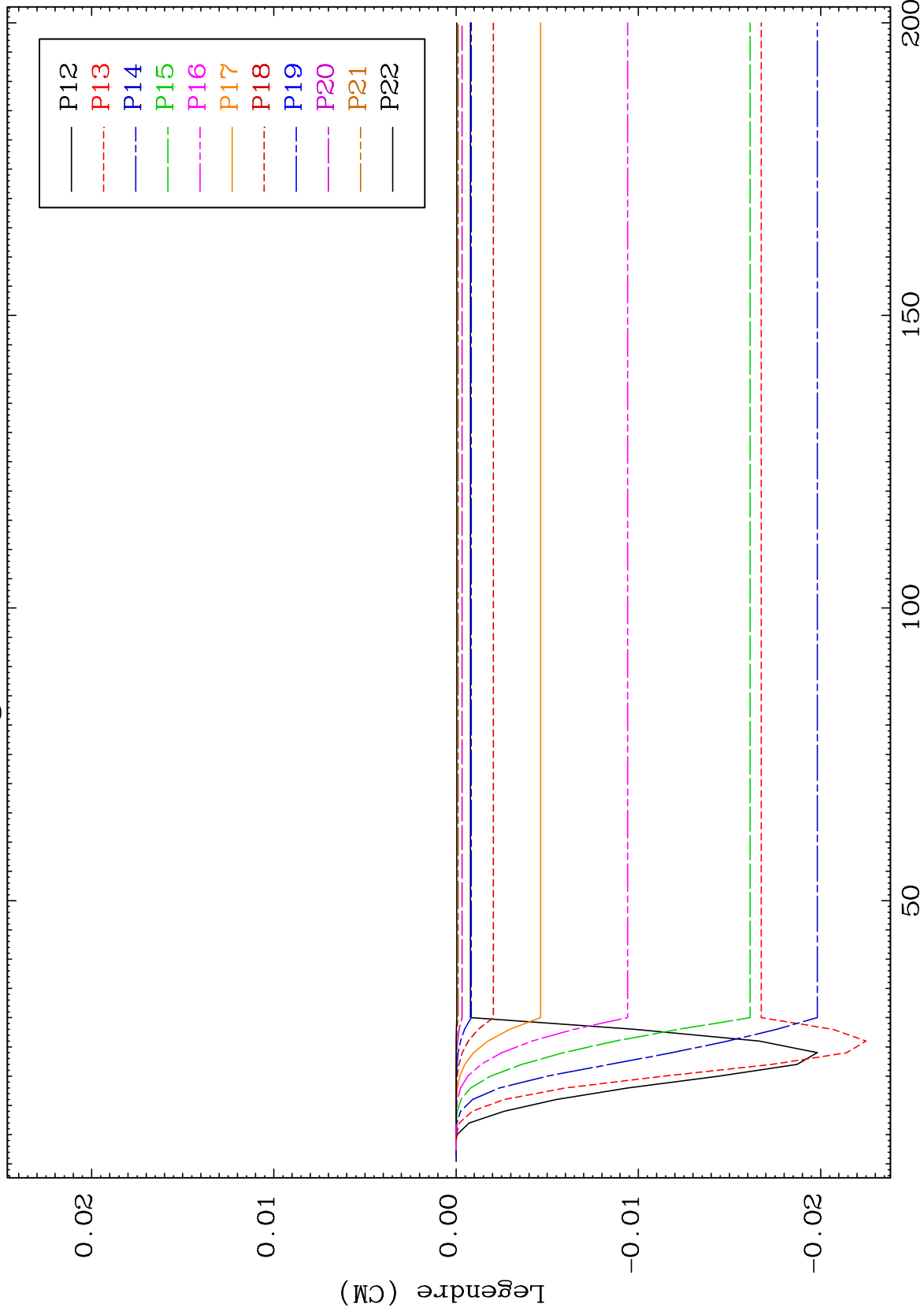
107

28-Ni-64

MAT 2843

MT= 80 (n,n') Level
Legendre Coefficients

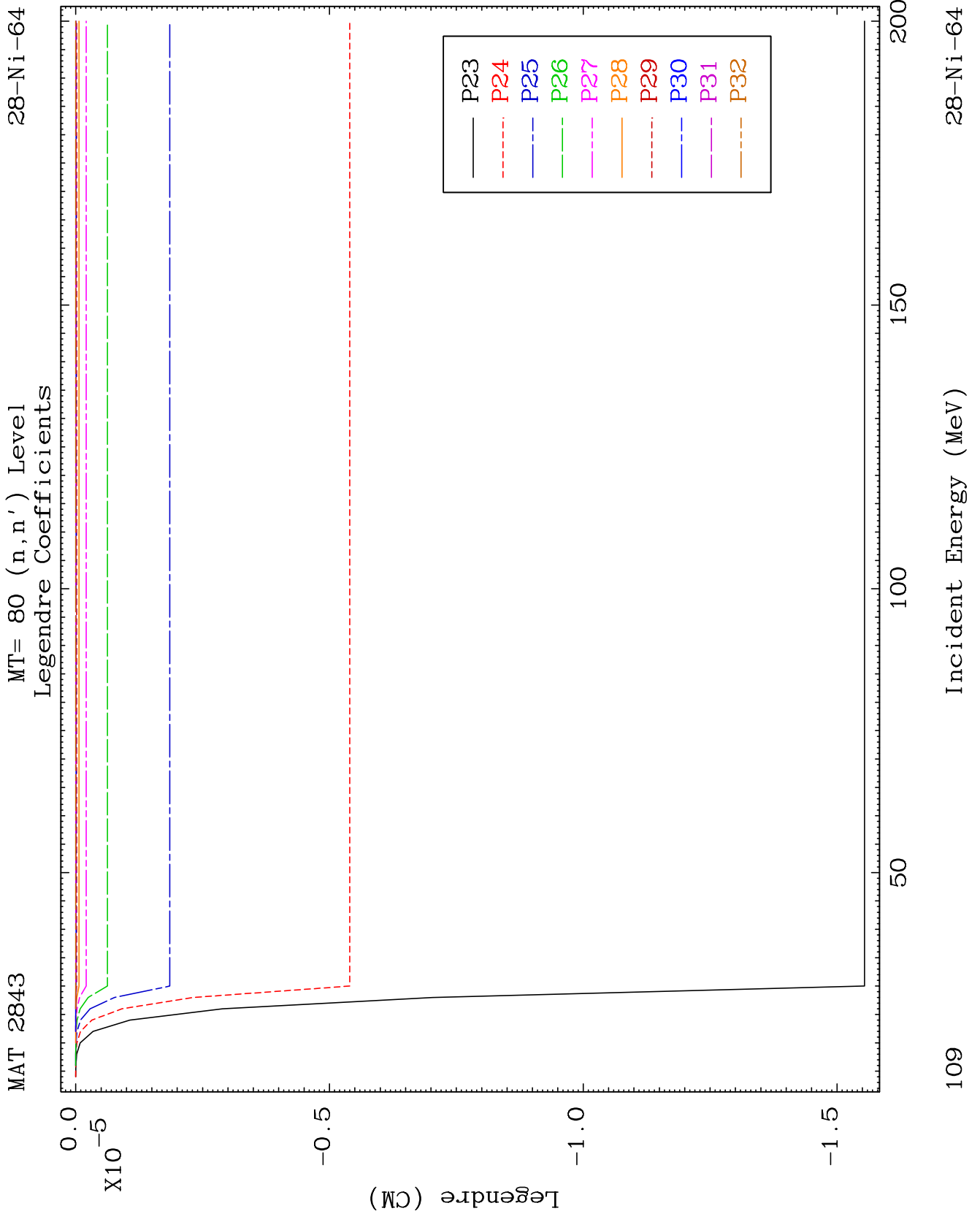
28-Ni-64



108

Incident Energy (MeV)

28-Ni-64

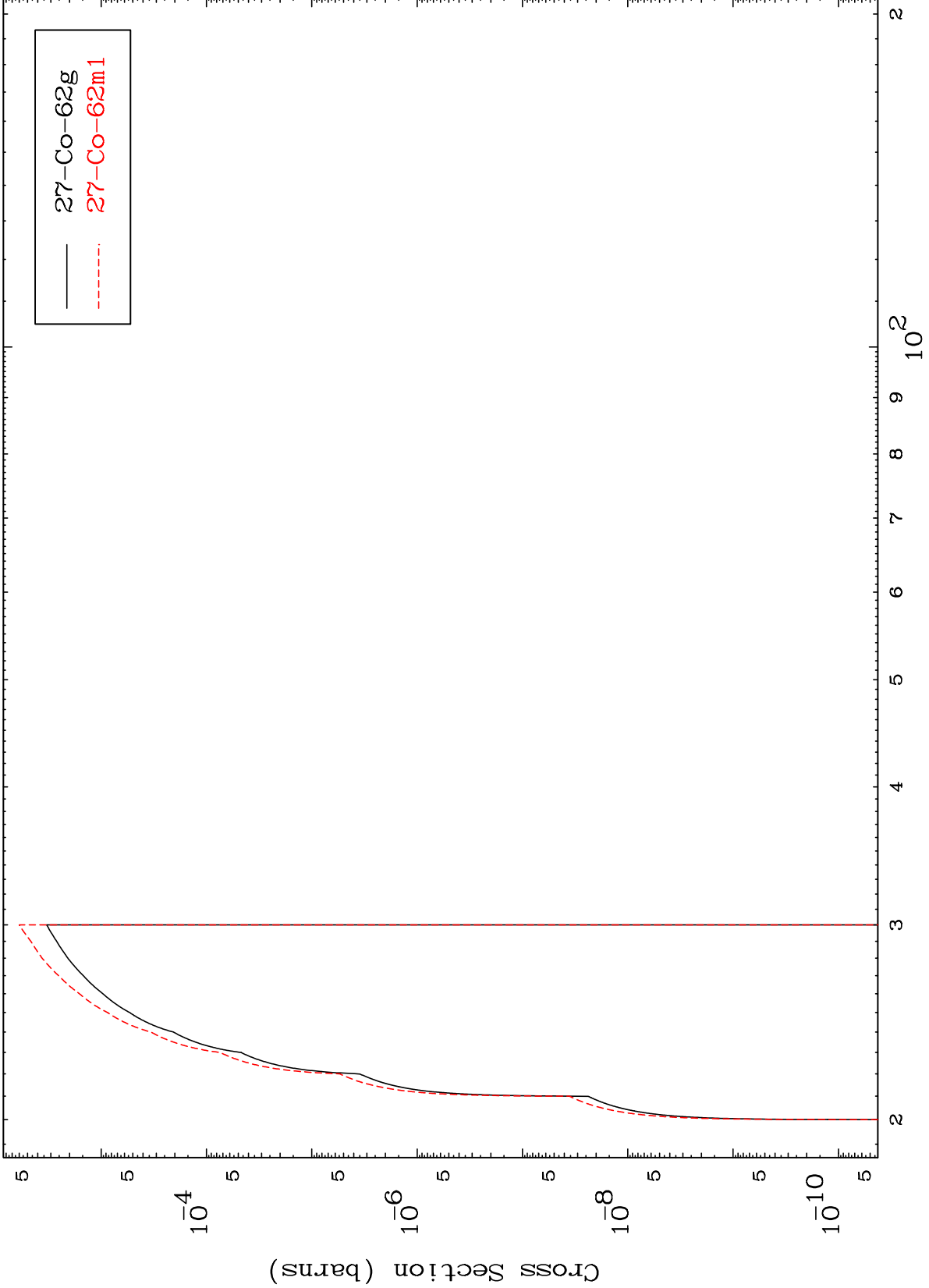


MAT 2843

(n,n') d

28-Ni-64

Radionuclide Production Cross Section



110

Incident Energy (MeV)

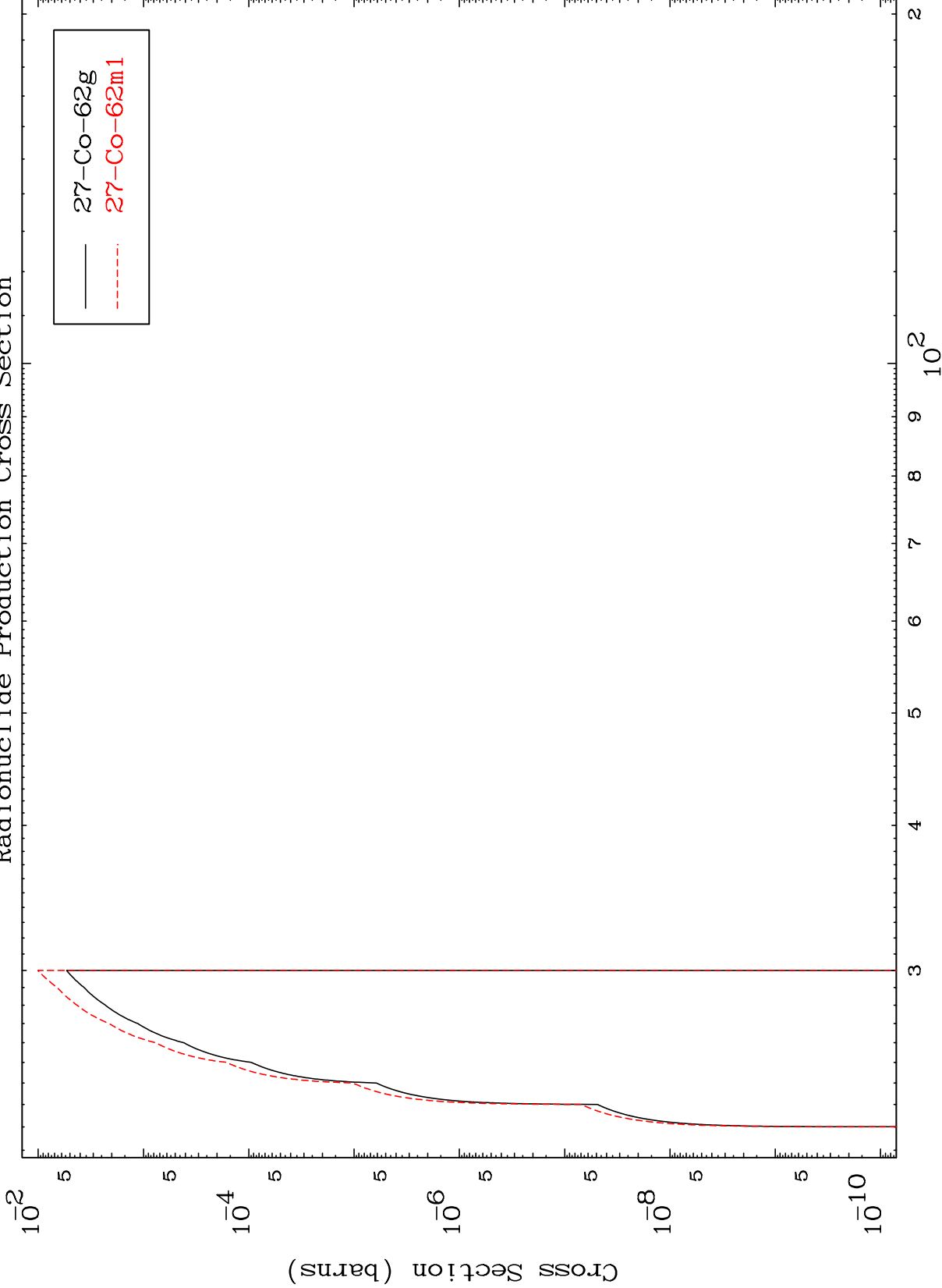
28-Ni-64

MAT 2843

(n,2n) p

28-Ni-64

Radionuclide Production Cross Section

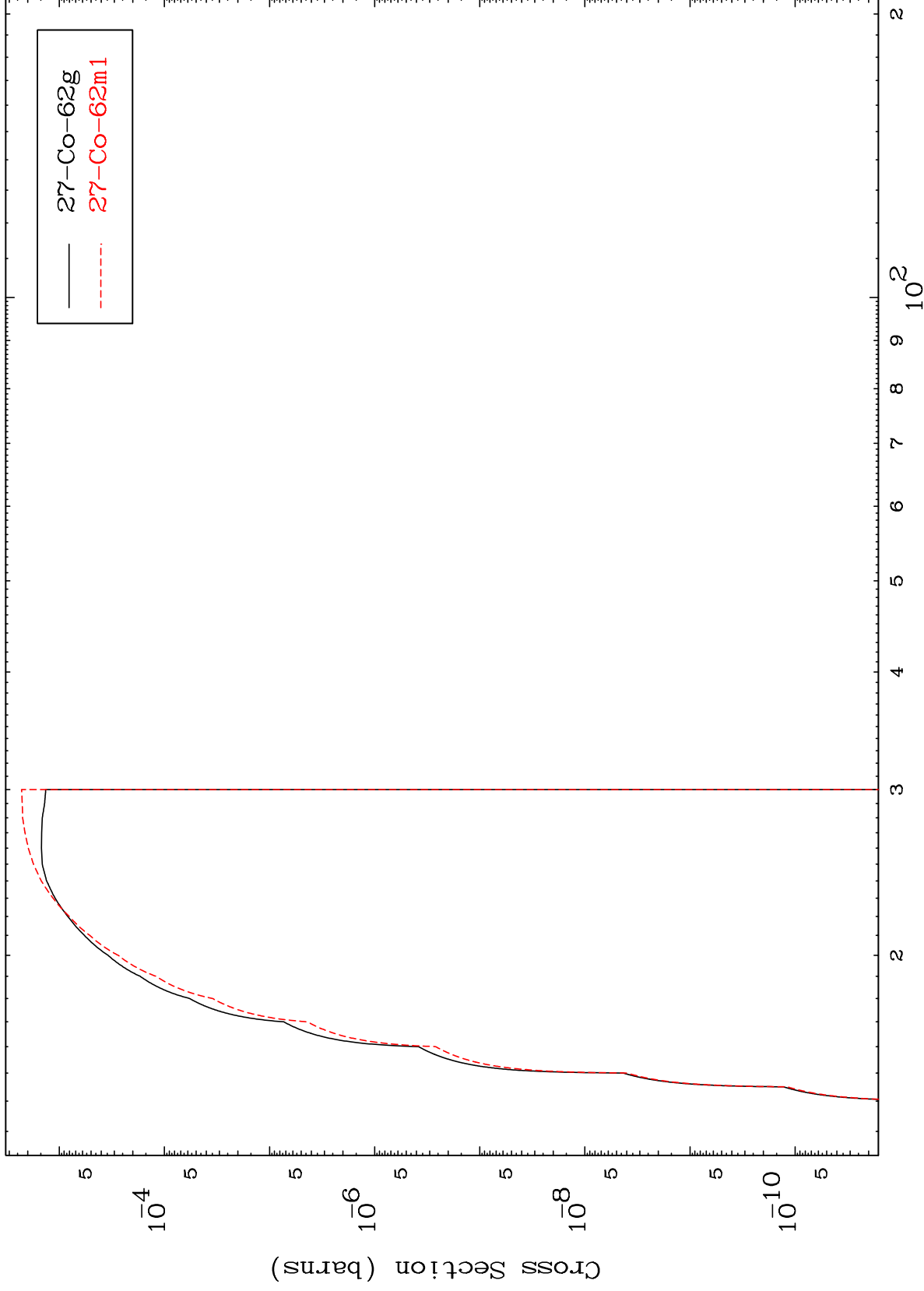


111

Incident Energy (MeV)

28-Ni-64

(n,t)
Radionuclide Production Cross Section



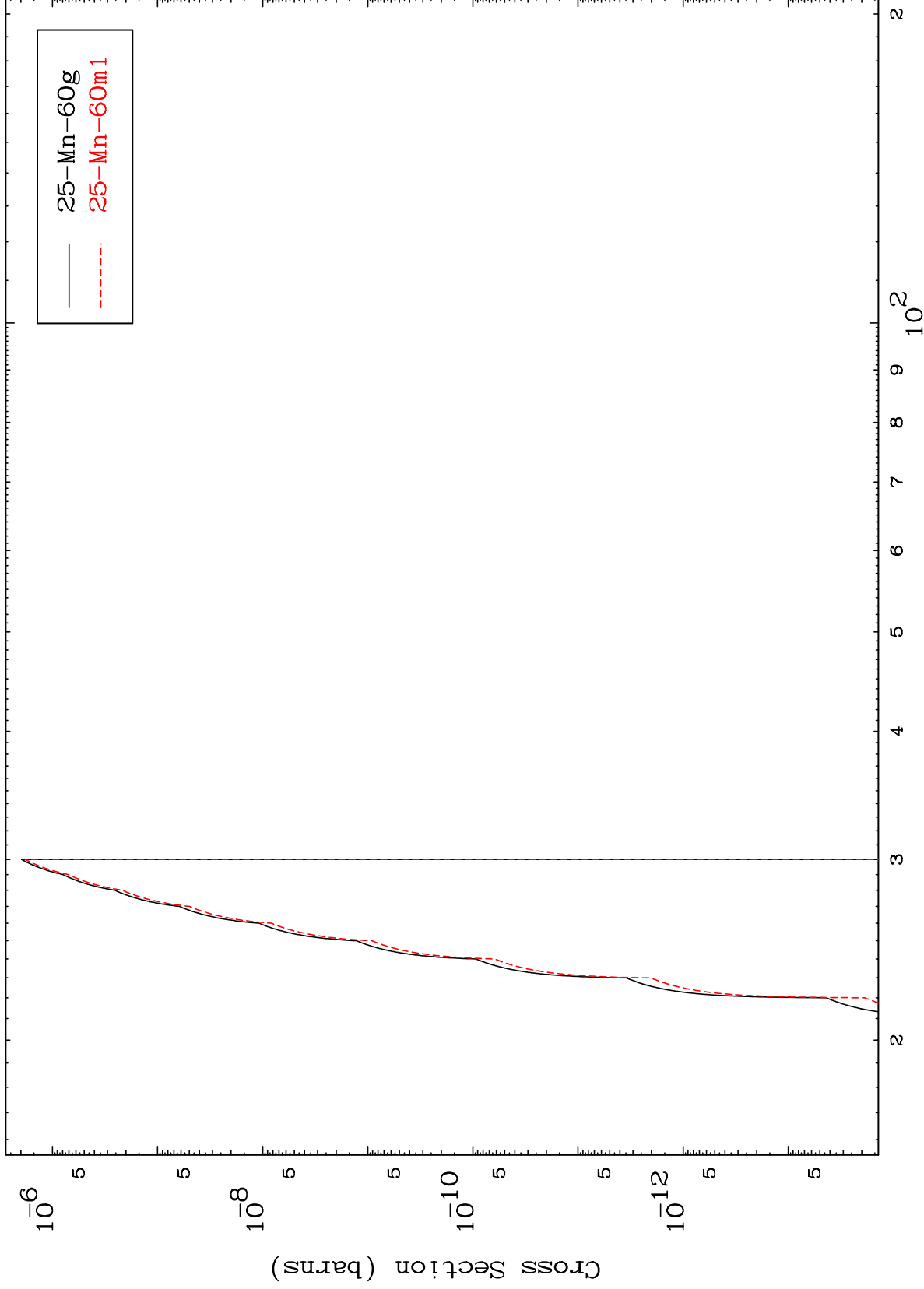
— 27-Co-62g
- - - 27-Co-62m1

MAT 2843

(n,p) α

28-Ni-64

Radionuclide Production Cross Section



113

Incident Energy (MeV)

28-Ni-64