

Program EVALPLOT
(Version 2021-1)

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

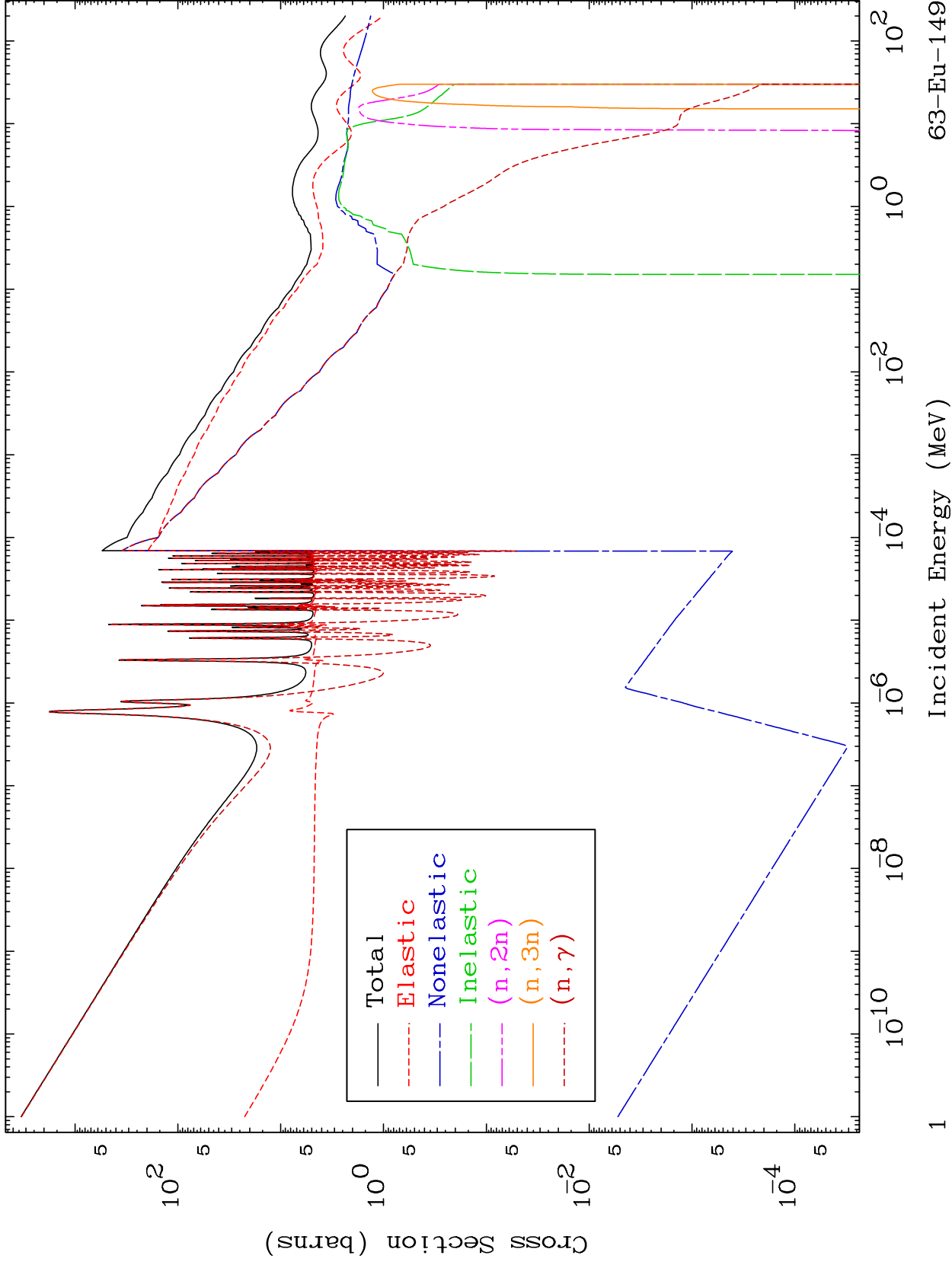
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6319

Neutron Major
293 Kelvin Cross Sections

63-Eu-149

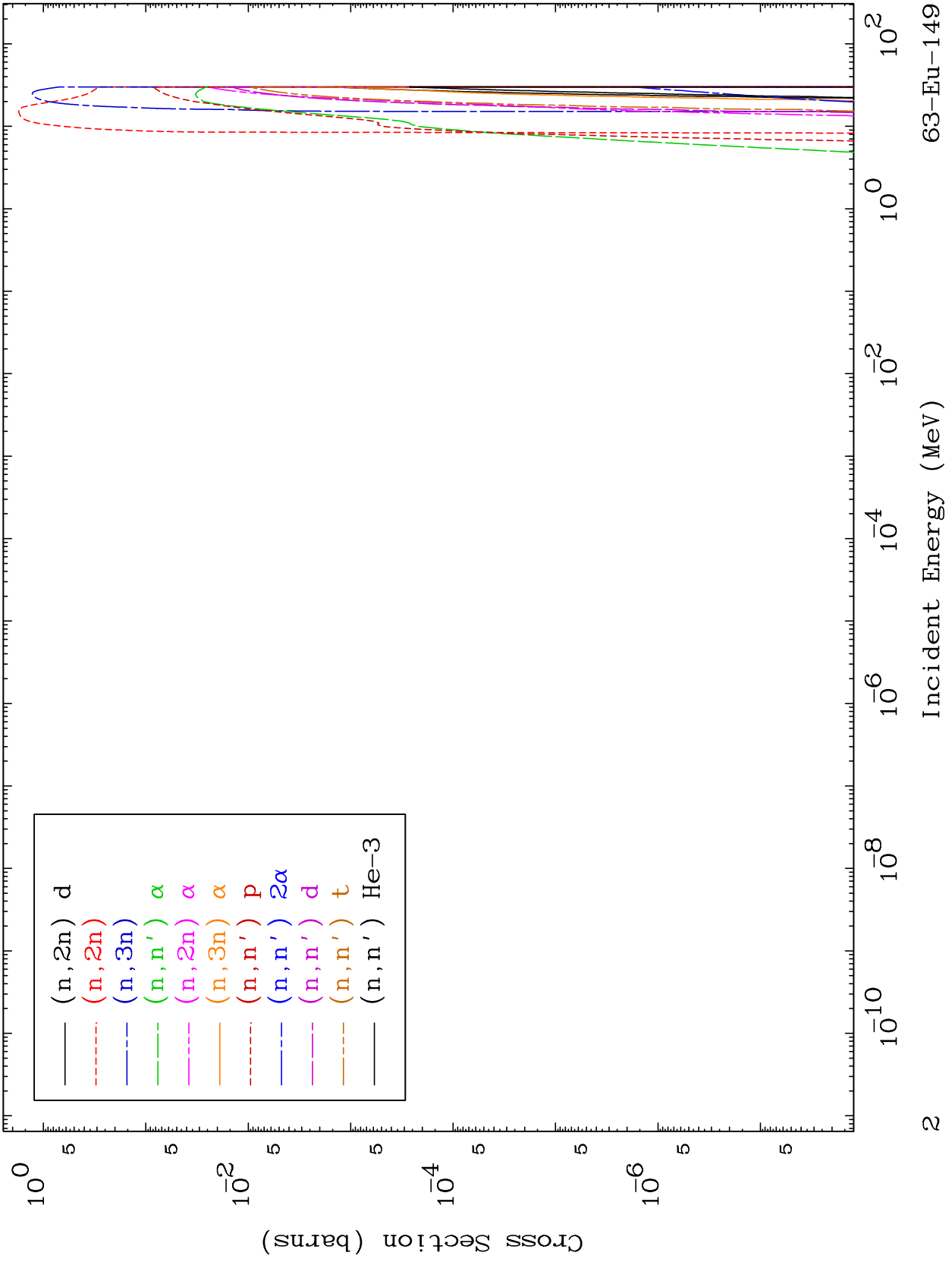


63-Eu-149

MAT 6319

Neutron Absorption
293 Kelvin Cross Sections

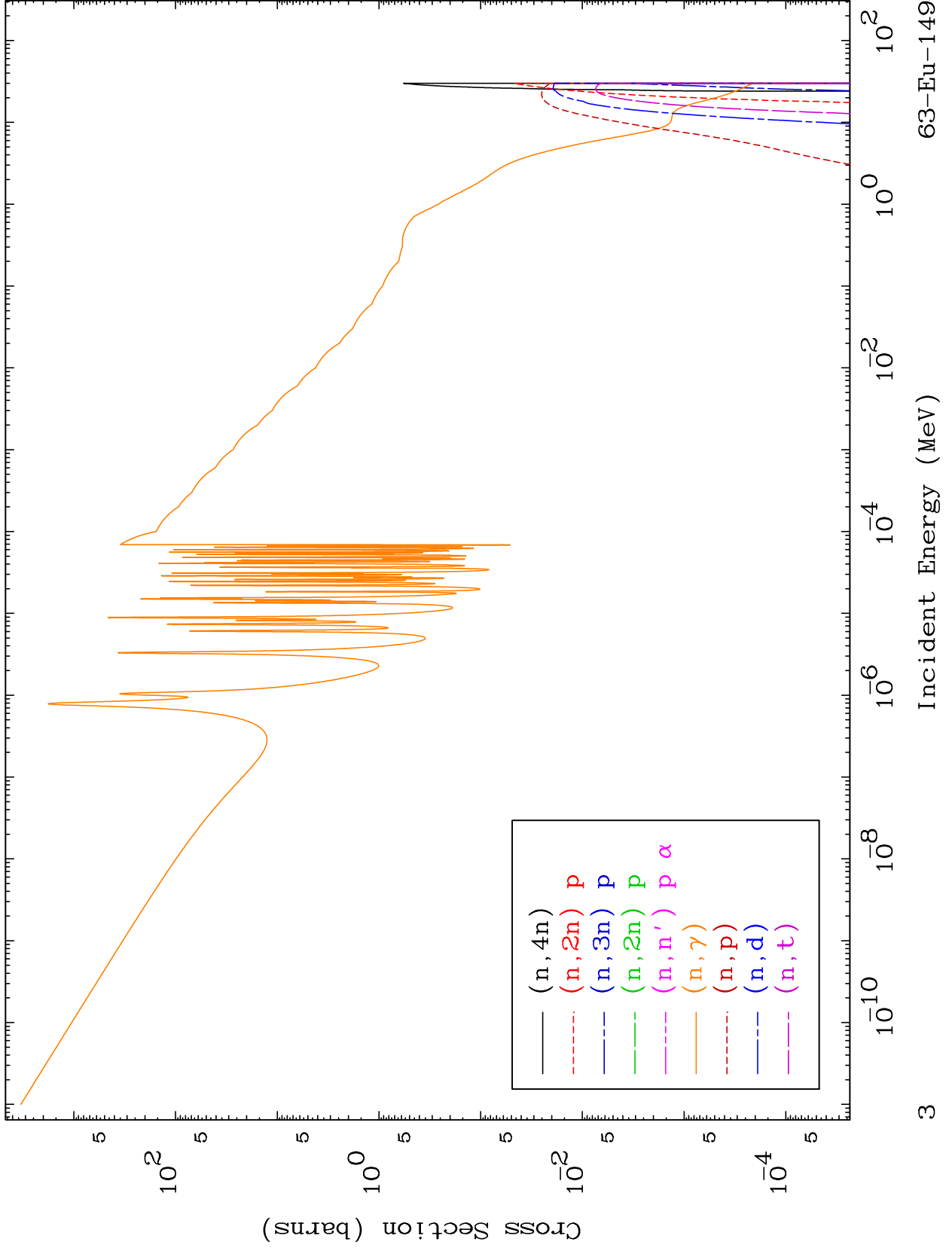
63-Eu-149

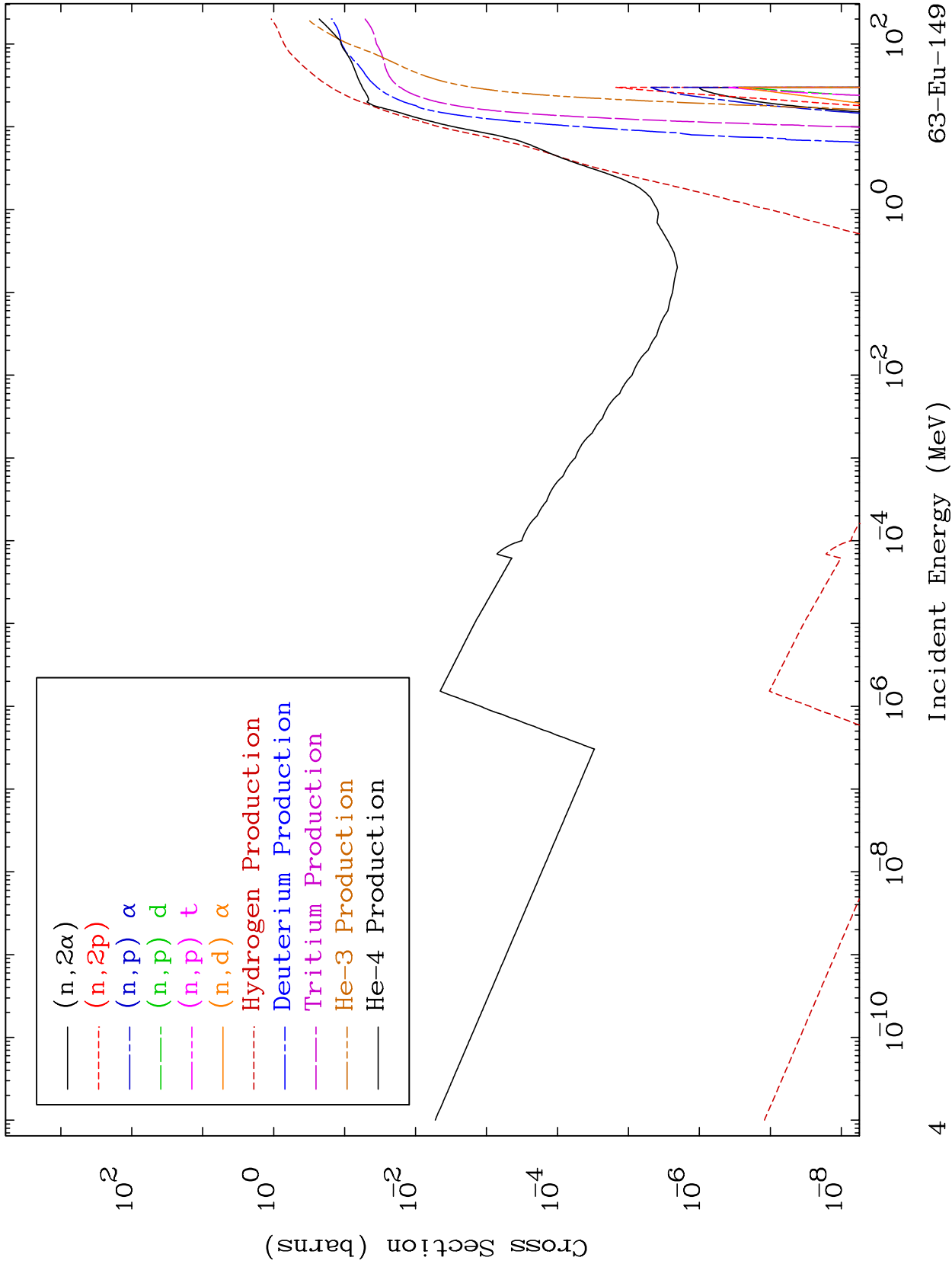


MAT 6319

Neutron Absorption
293 Kelvin Cross Sections

63-Eu-149

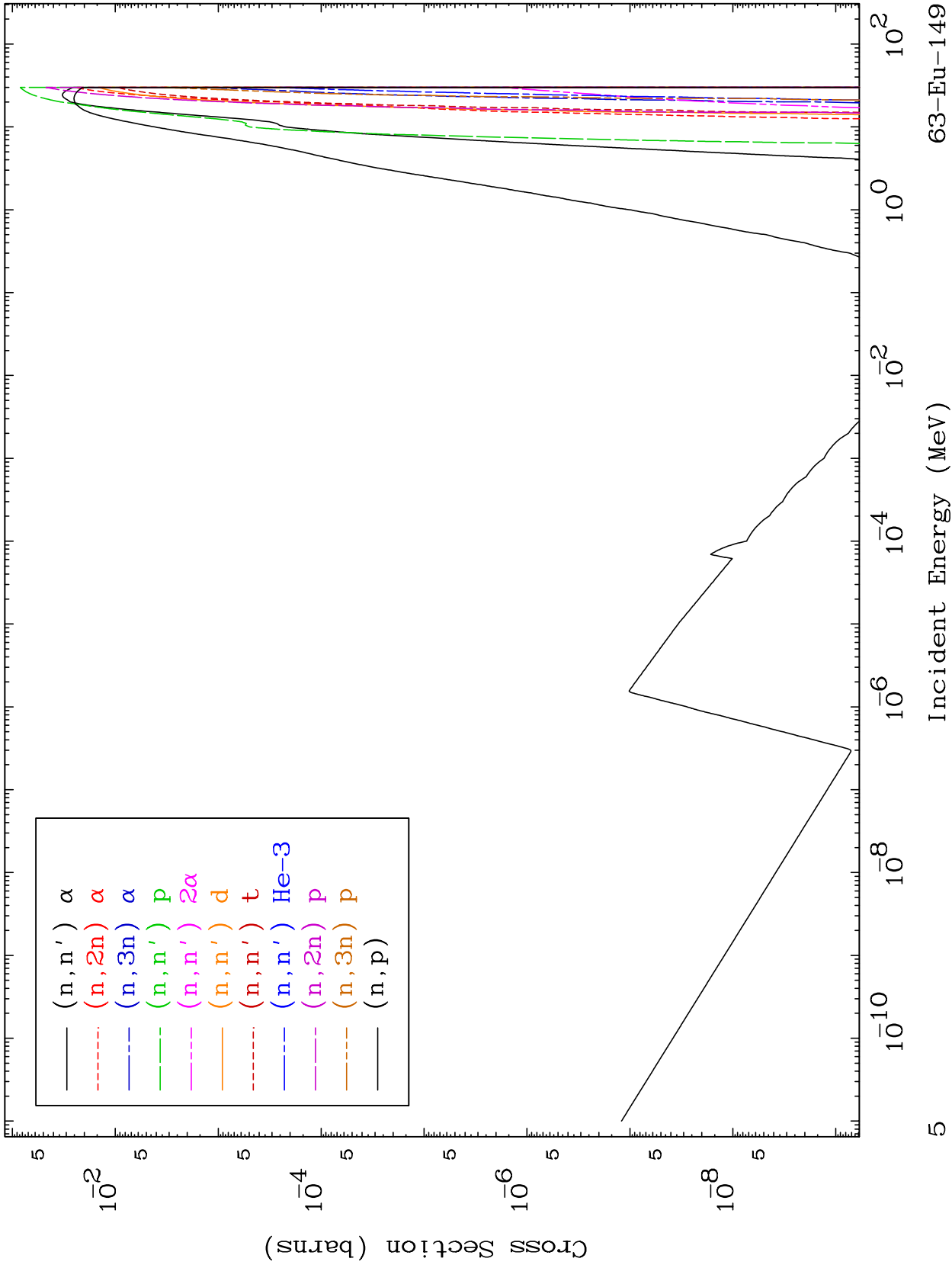




MAT 6319

Charged Particle
293 Kelvin Cross Sections

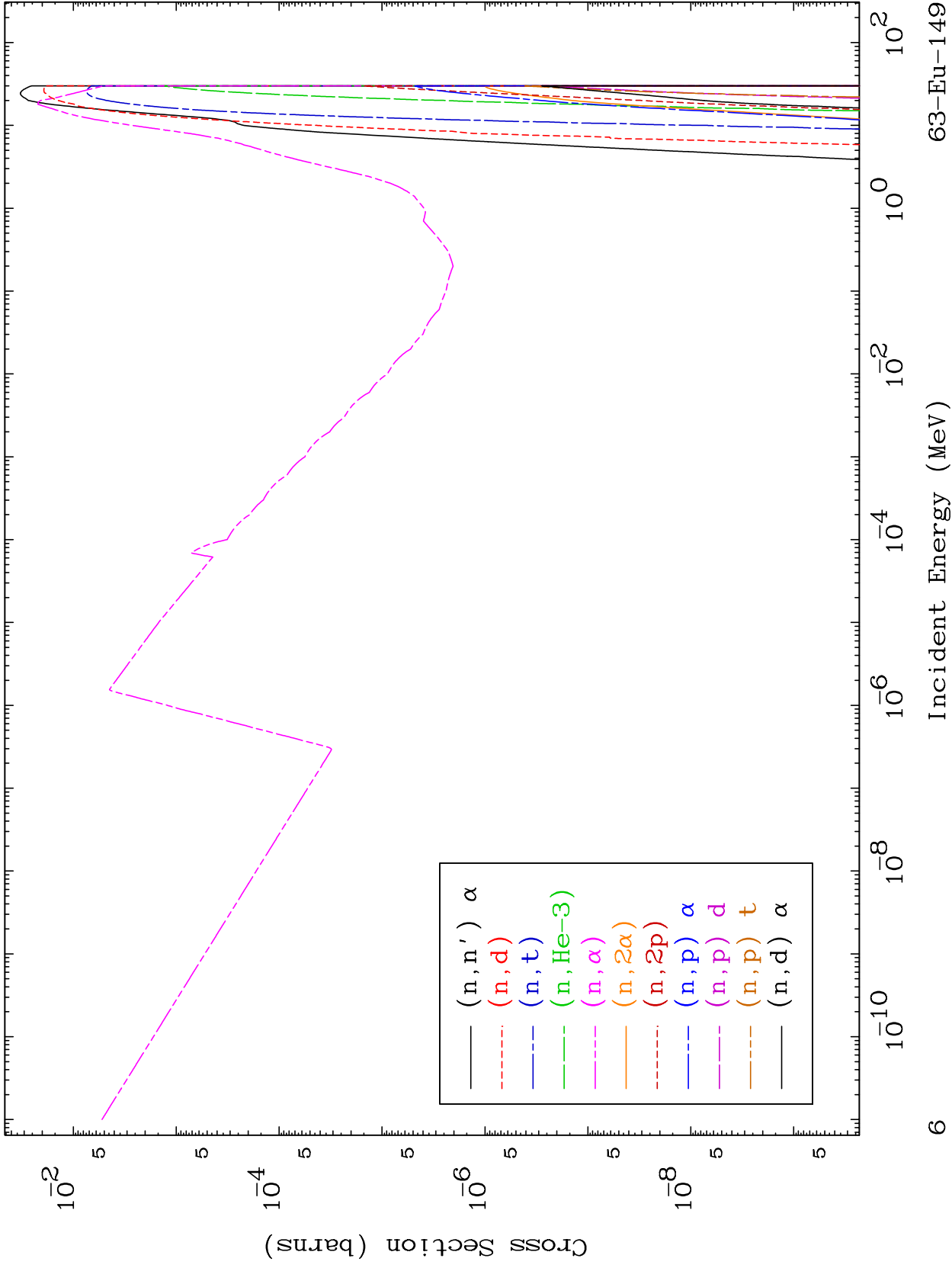
63-Eu-149



MAT 6319

Charged Particle
293 Kelvin Cross Sections

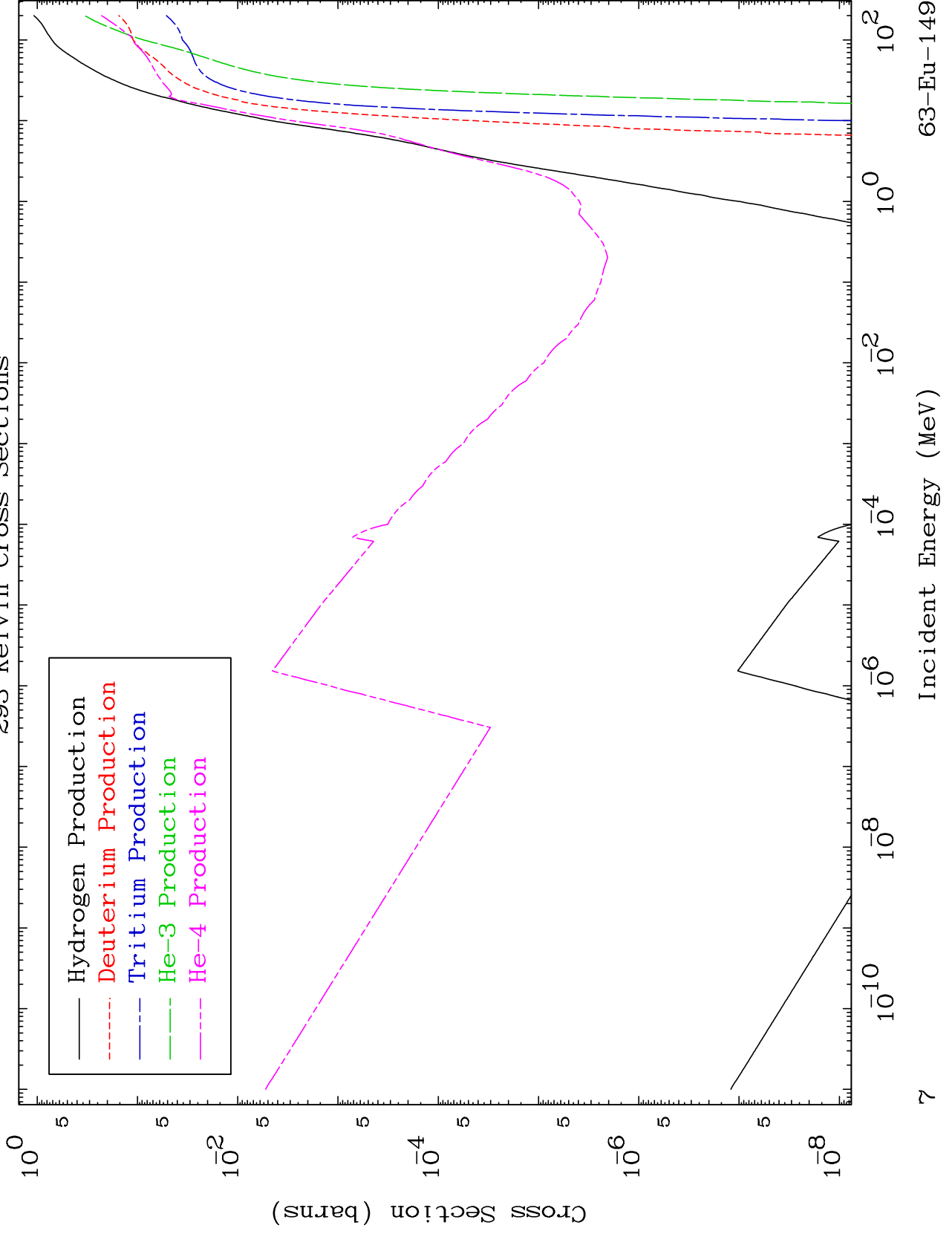
63-Eu-149

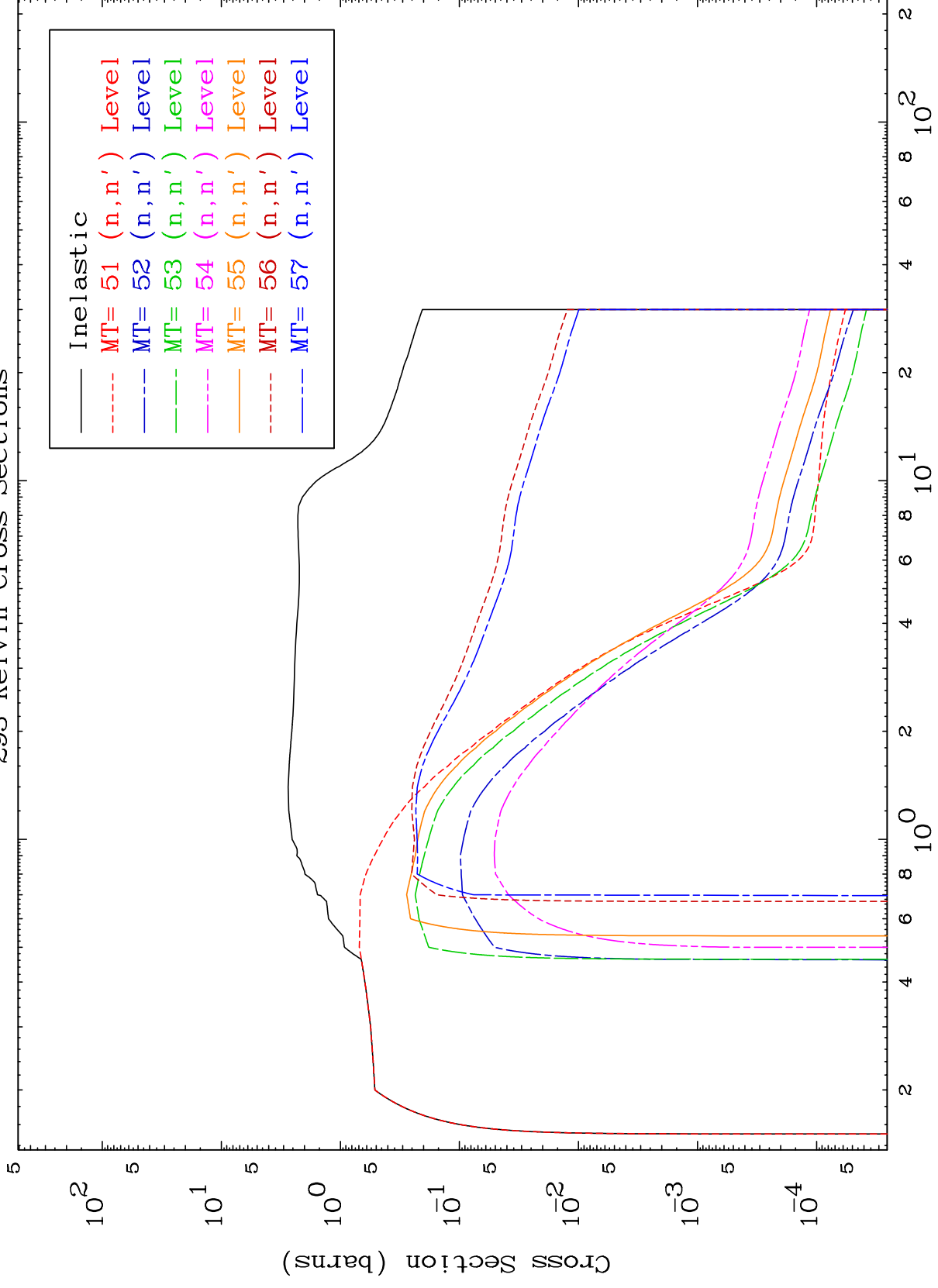


MAT 6319

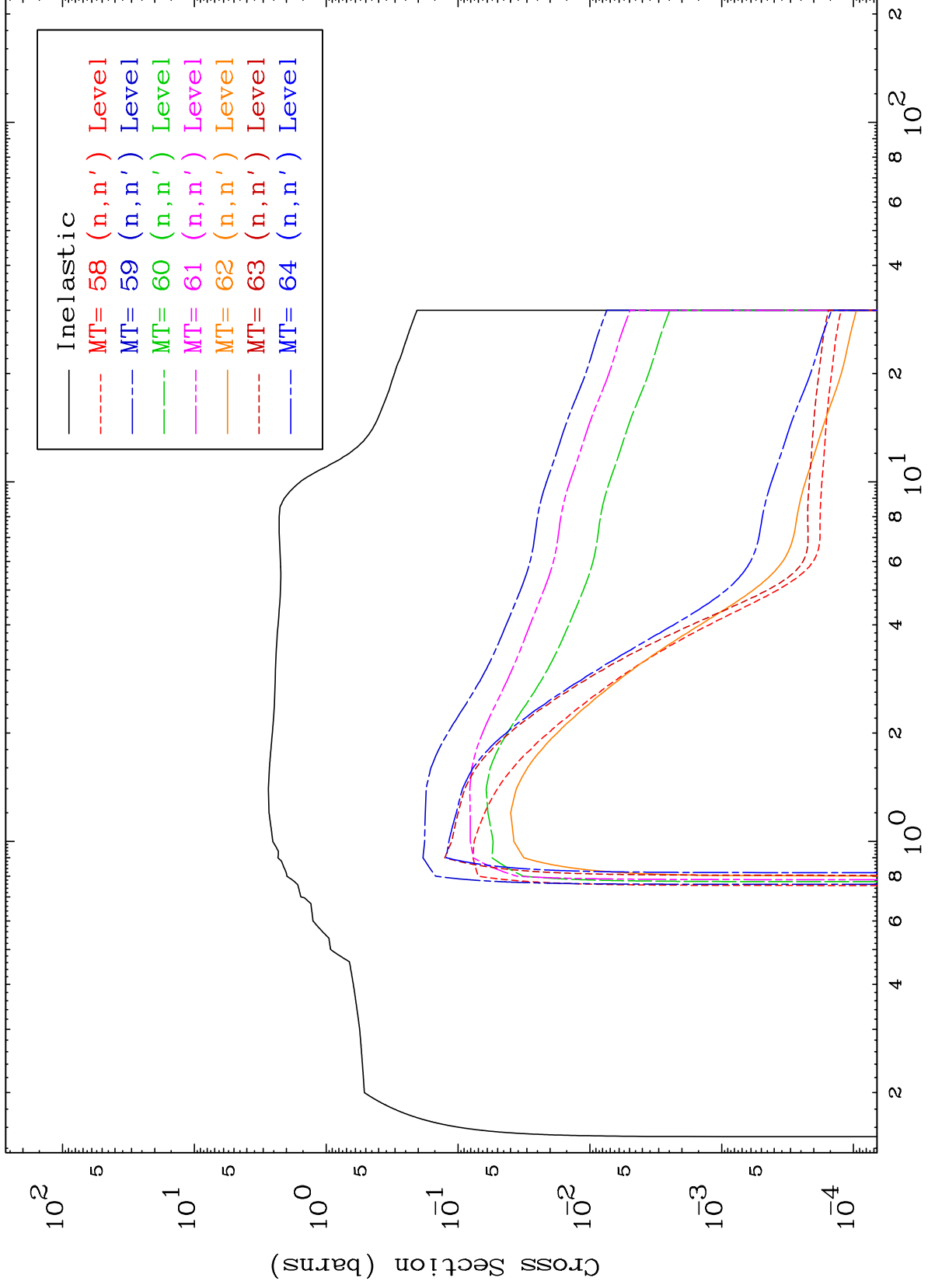
Particle Production
293 Kelvin Cross Sections

63-Eu-149





293 Kelvin Cross Sections

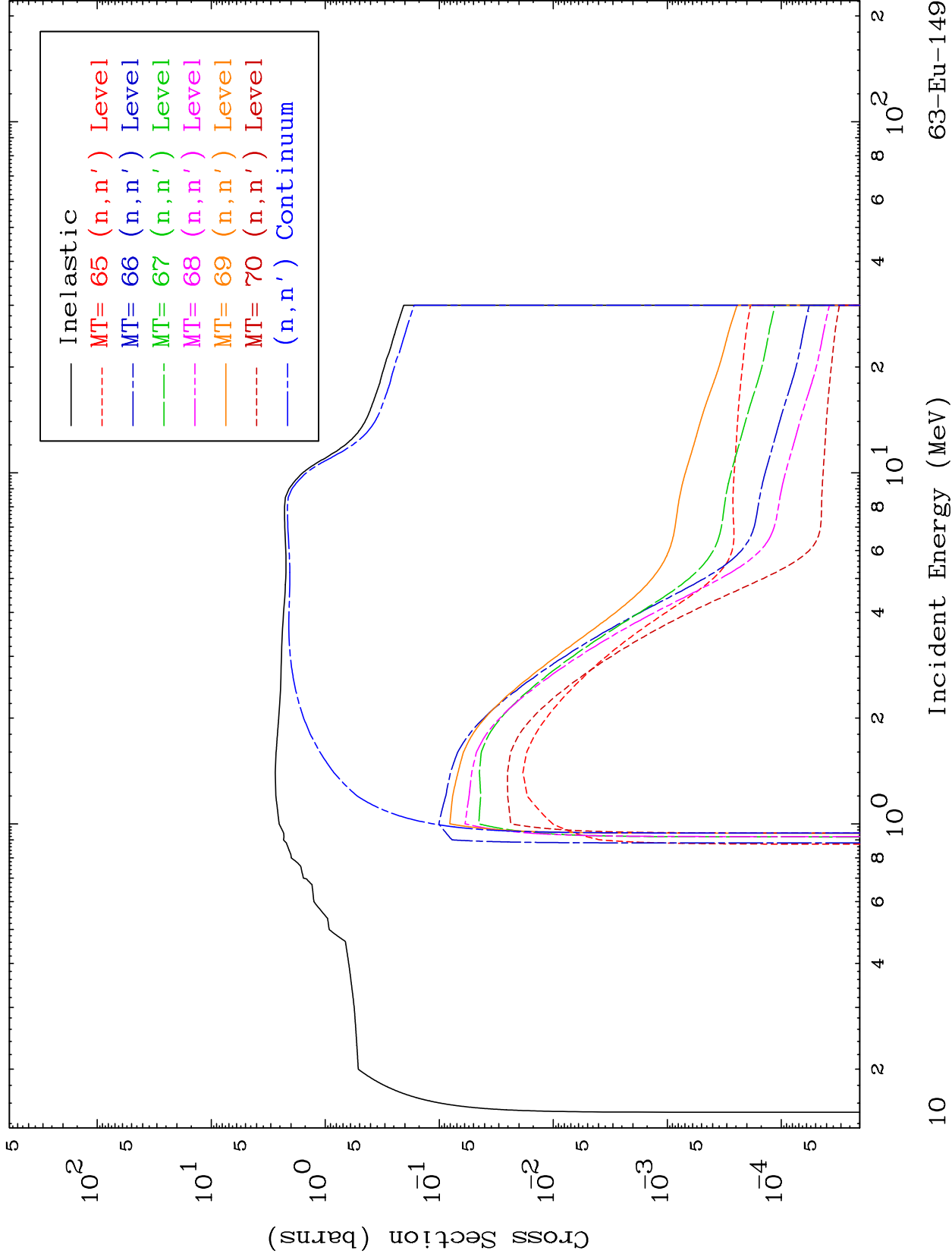


MAT 6319

(n,n') Levels

63-Eu-149

293 Kelvin Cross Sections



10

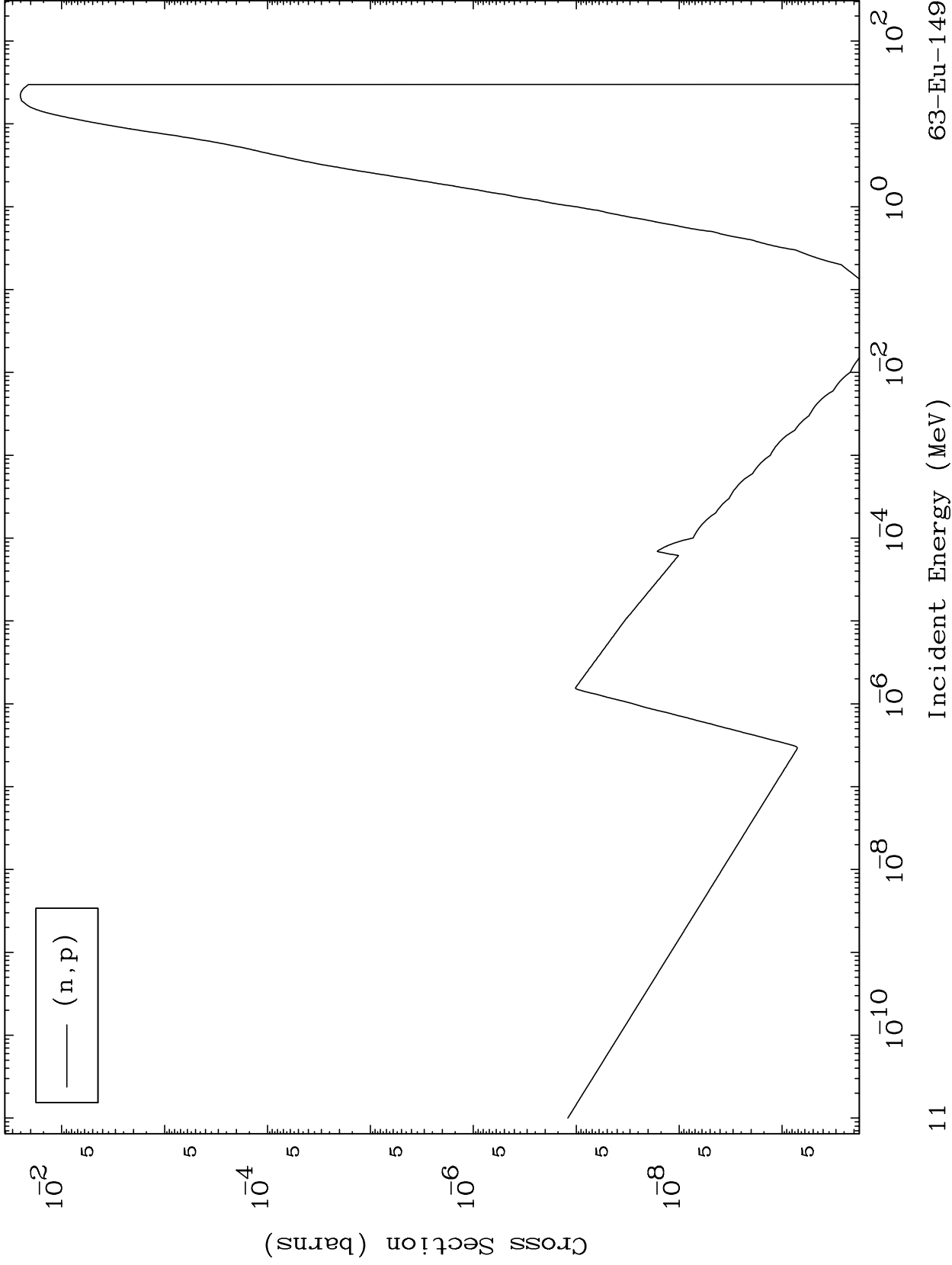
Incident Energy (MeV)

63-Eu-149

MAT 6319

(n,p) Levels
293 Kelvin Cross Sections

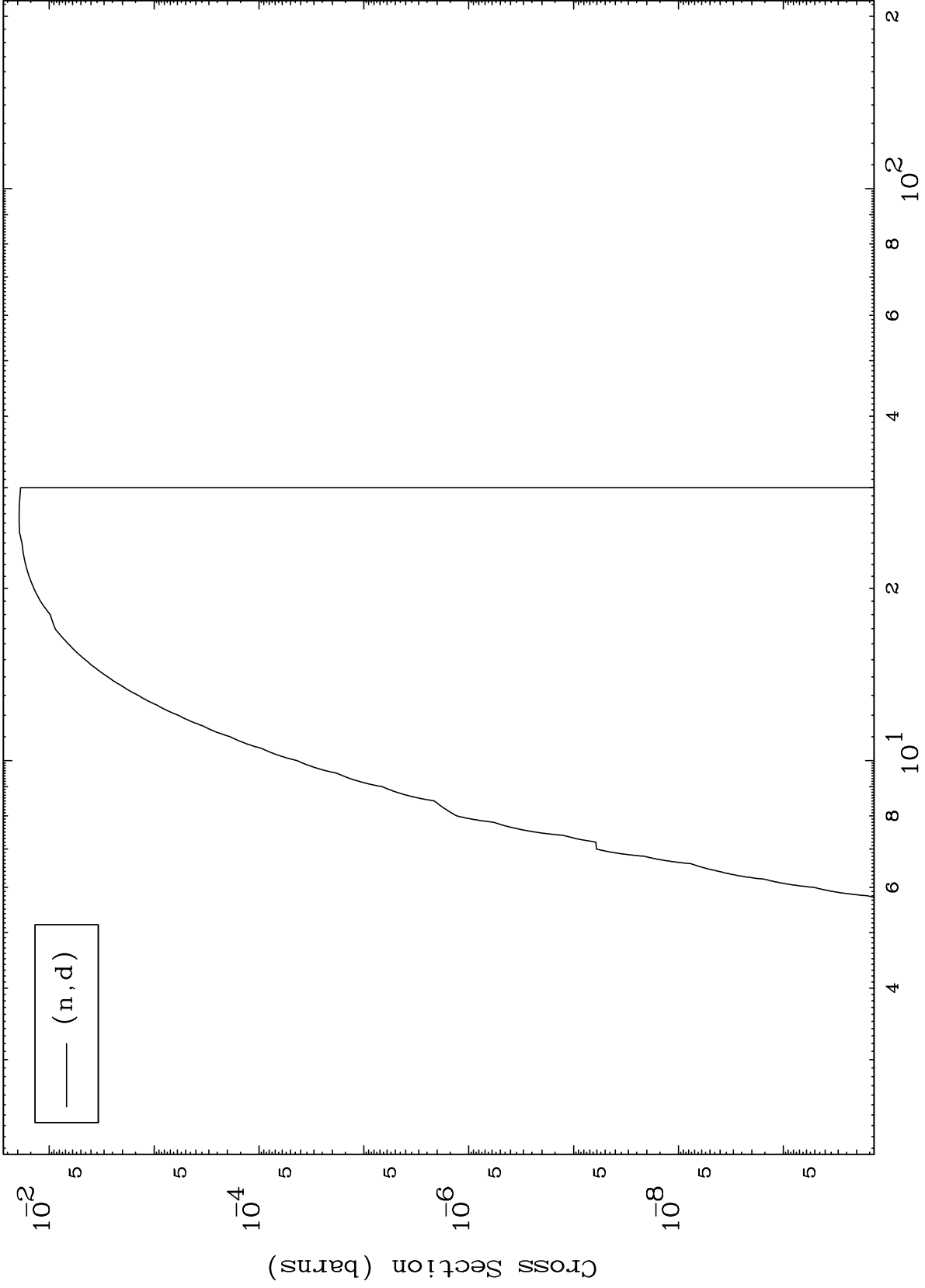
63-Eu-149



MAT 6319

(n,d) Levels
293 Kelvin Cross Sections

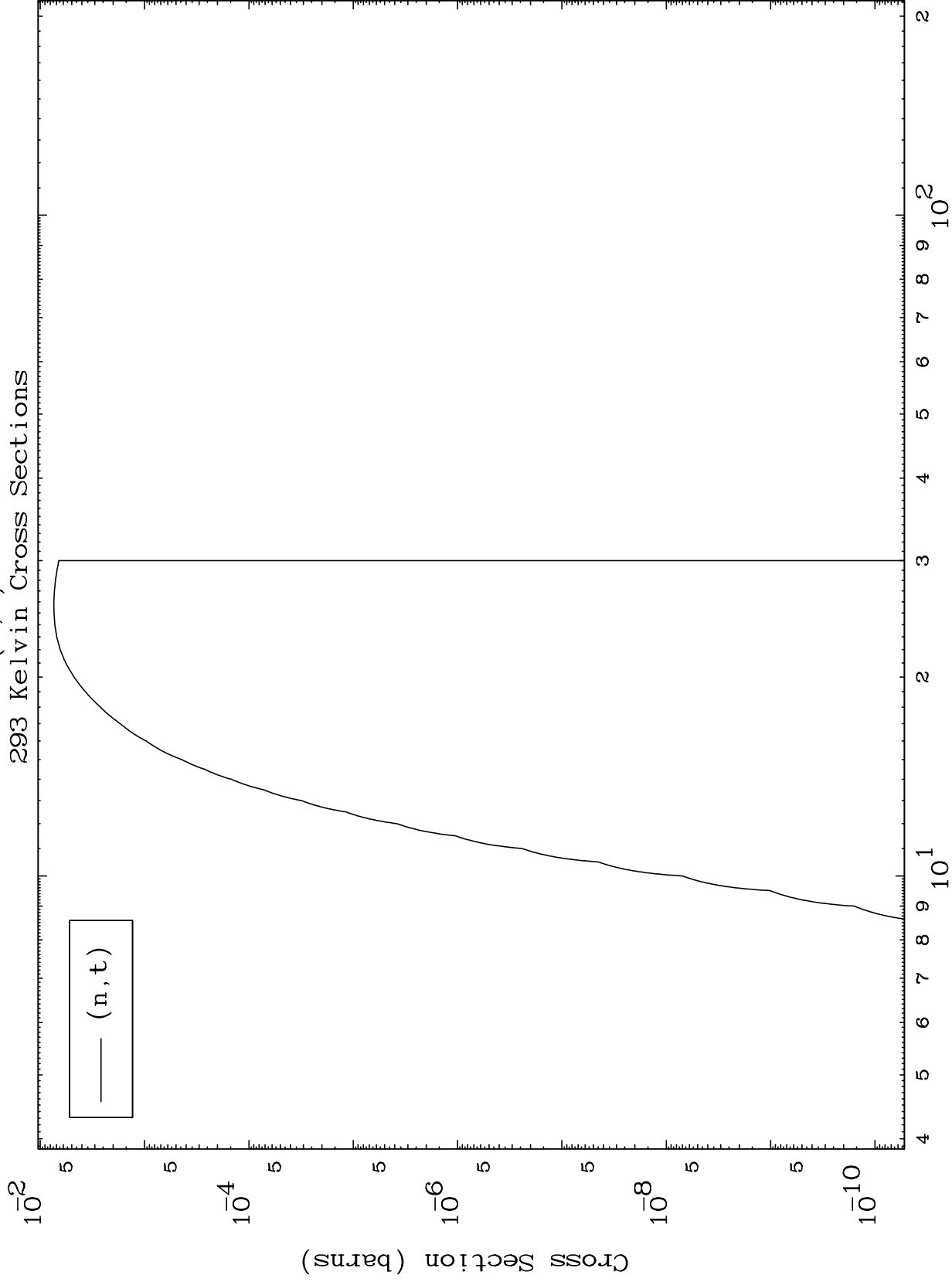
63-Eu-149



MAT 6319

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-149



13

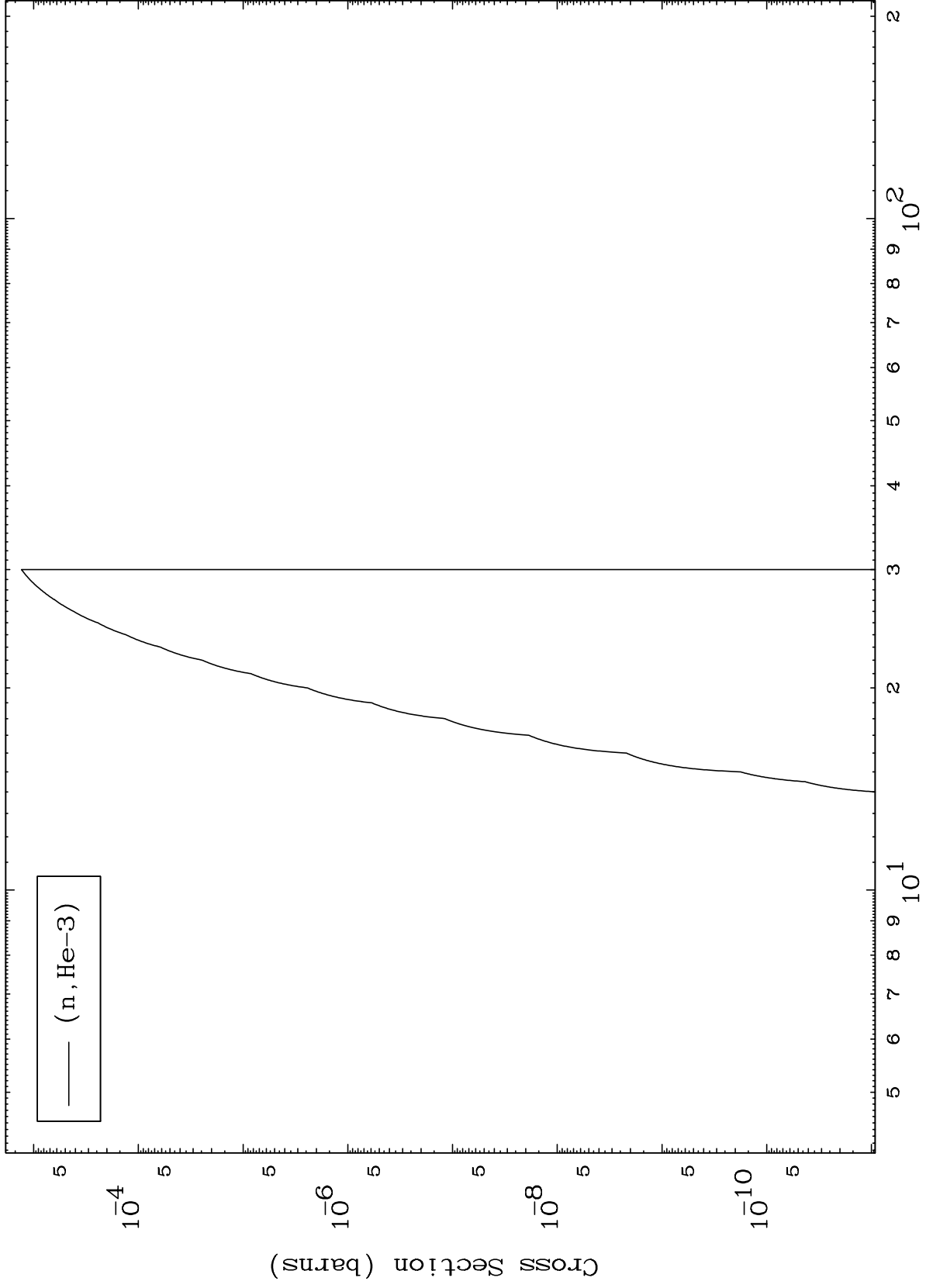
Incident Energy (MeV)

63-Eu-149

MAT 6319

(n,He3) Levels
293 Kelvin Cross Sections

63-Eu-149



14

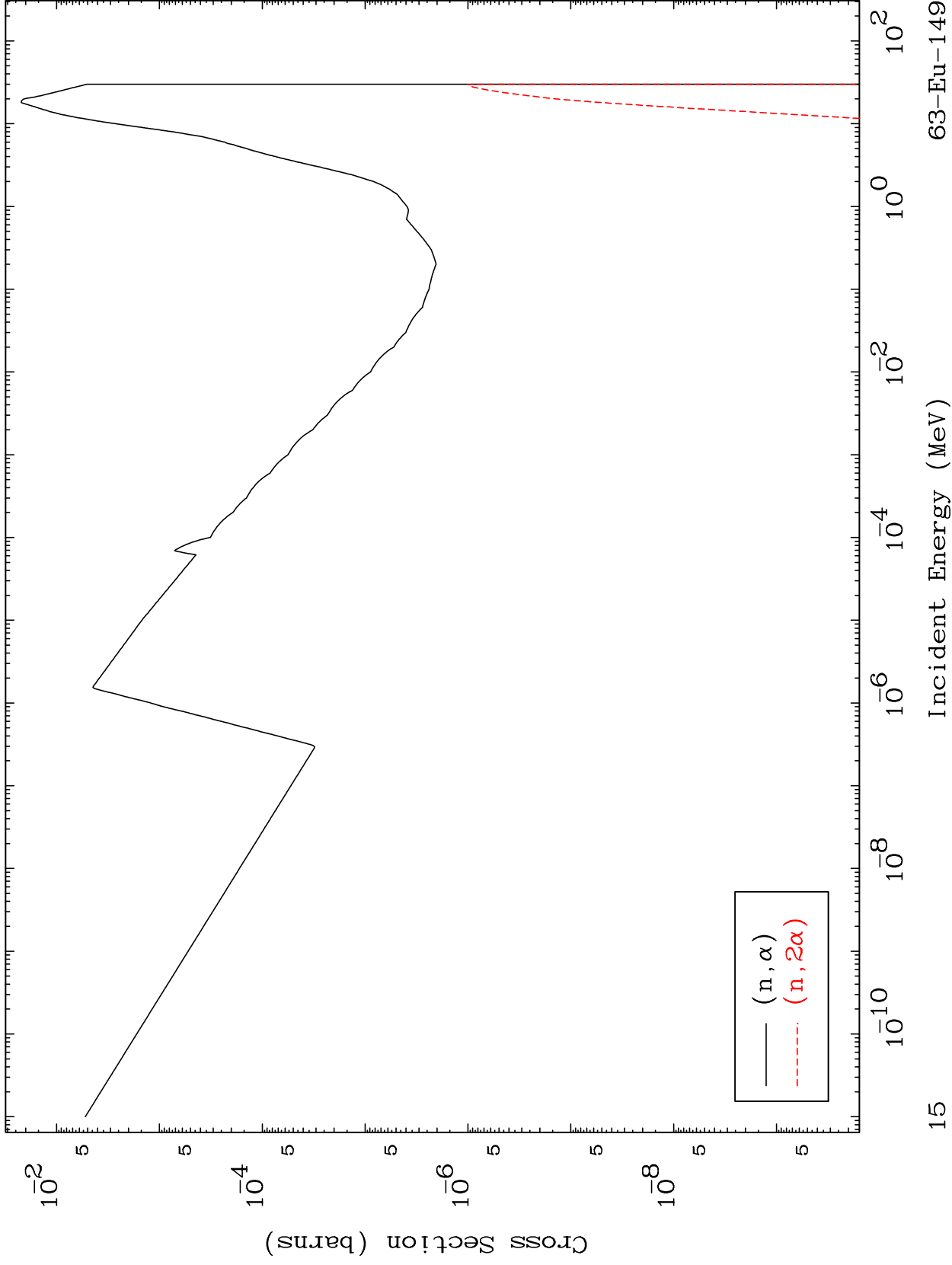
Incident Energy (MeV)

63-Eu-149

MAT 6319

(n, α) Levels
293 Kelvin Cross Sections

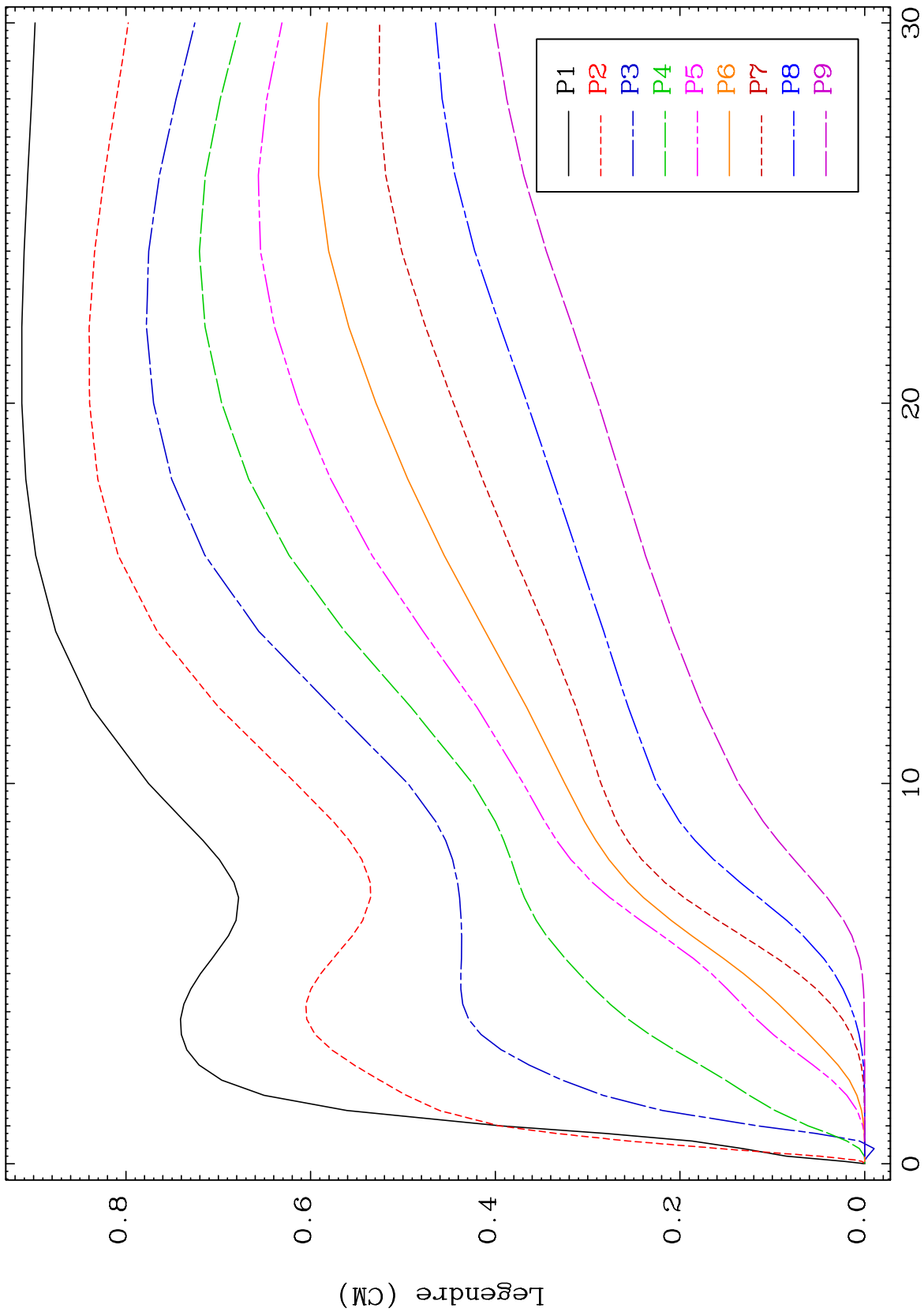
63-Eu-149



MAT 6319

63-Eu-149

Elastic Legendre Coefficients



63-Eu-149

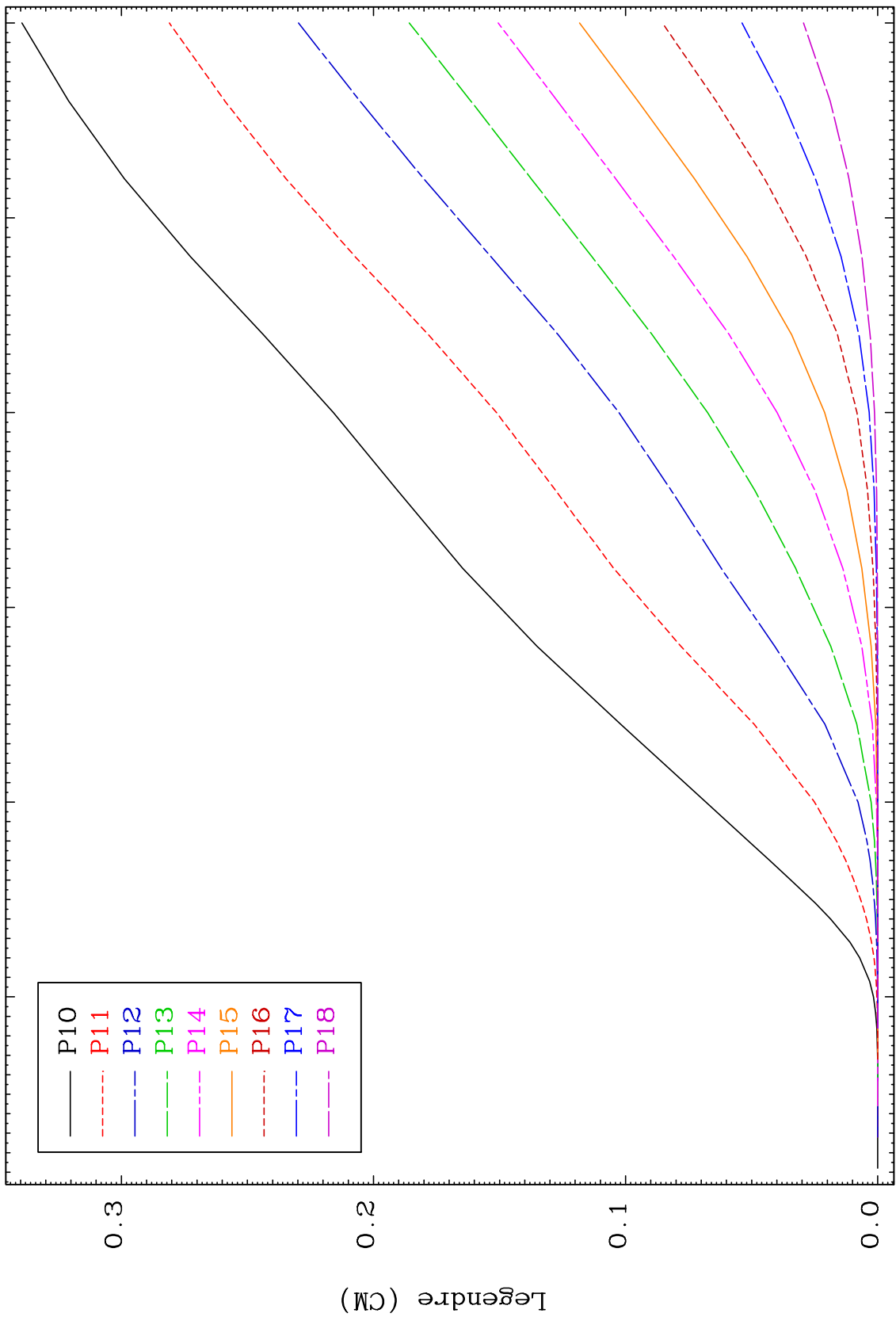
Incident Energy (MeV)

16

MAT 6319

Elastic Legendre Coefficients

63-Eu-149



17

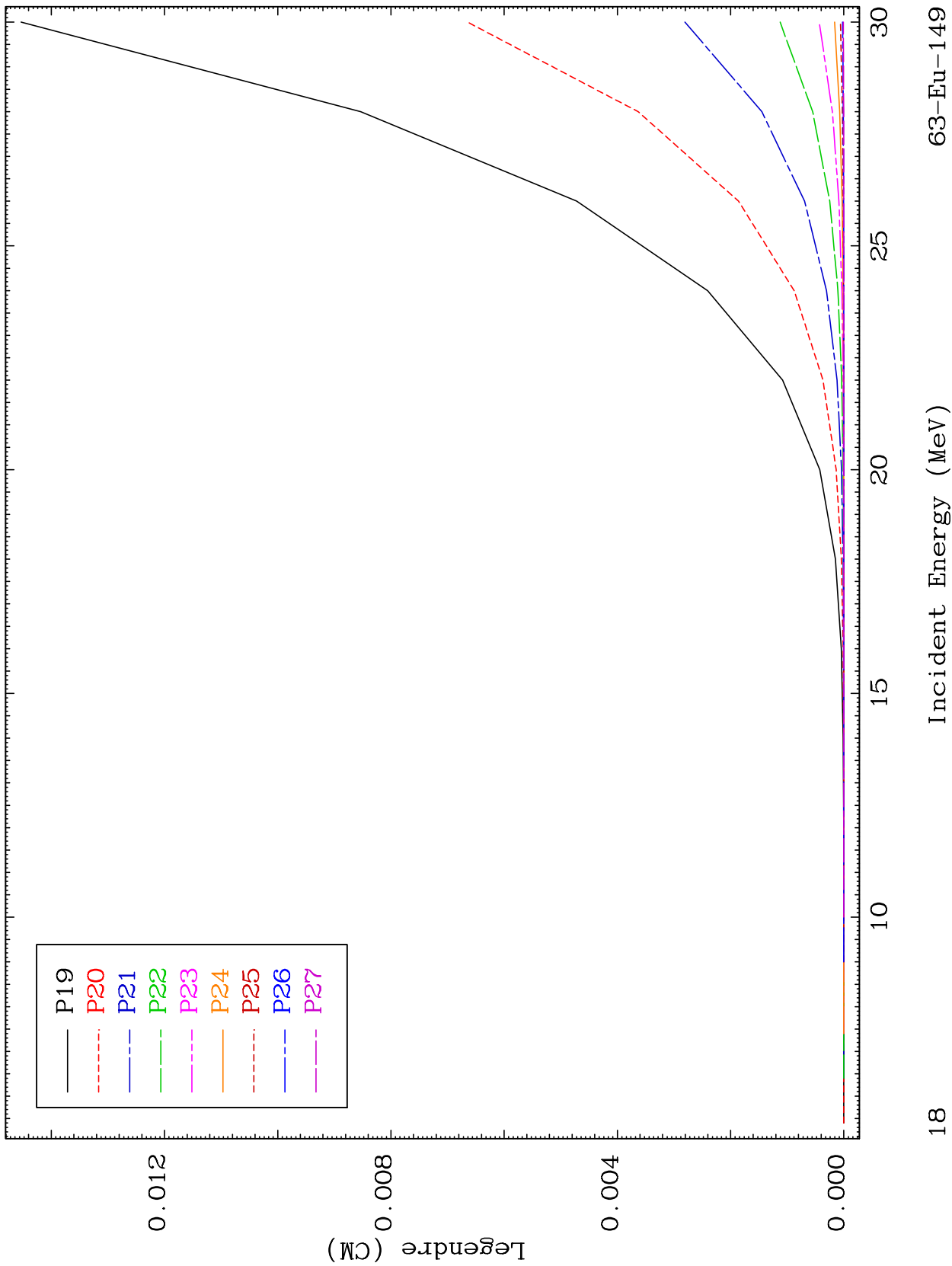
Incident Energy (MeV)

63-Eu-149

MAT 6319

Elastic Legendre Coefficients

63-Eu-149



18

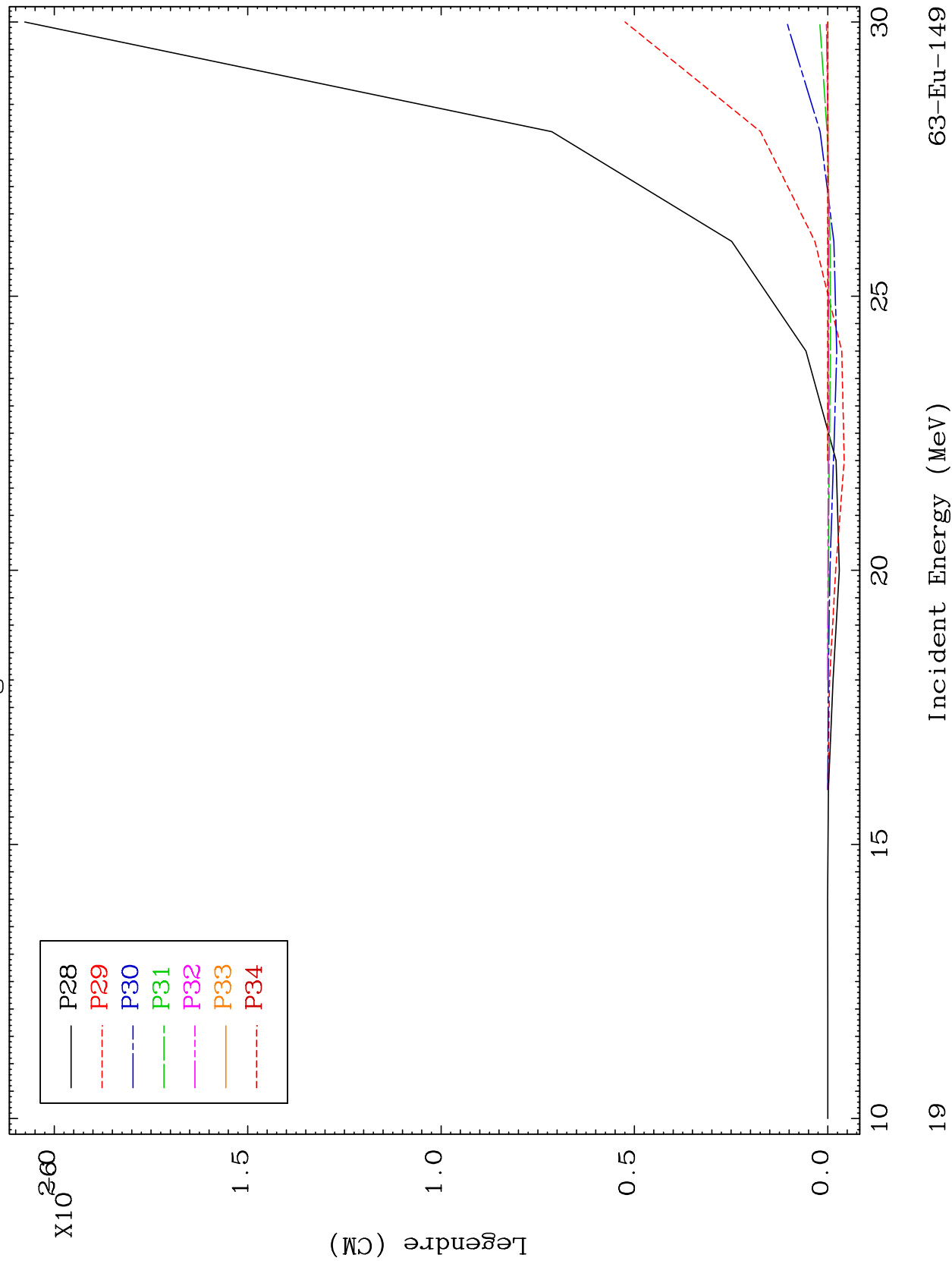
Incident Energy (MeV)

63-Eu-149

MAT 6319

Elastic
Legendre Coefficients

63-Eu-149



19

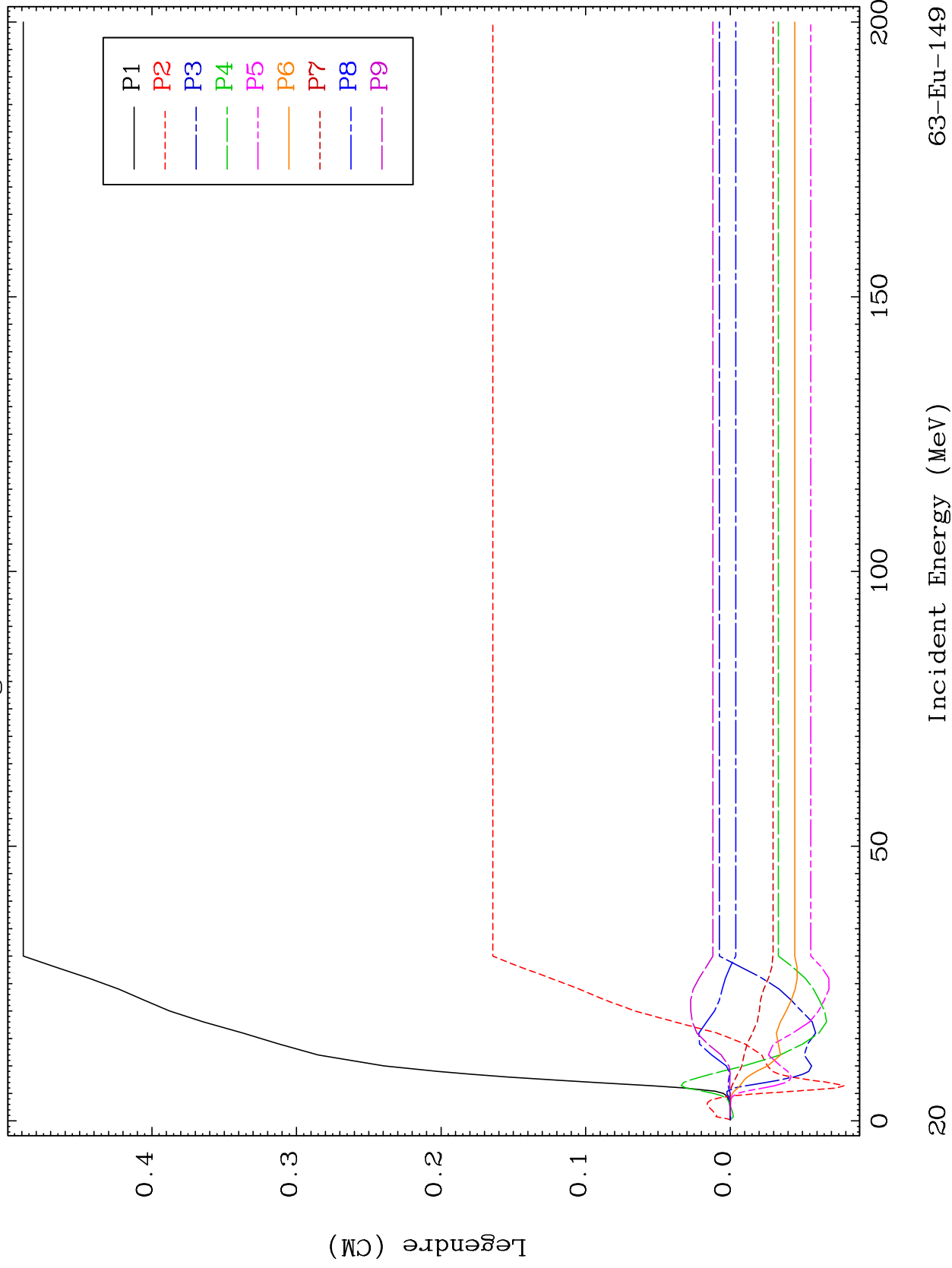
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



63-Eu-149

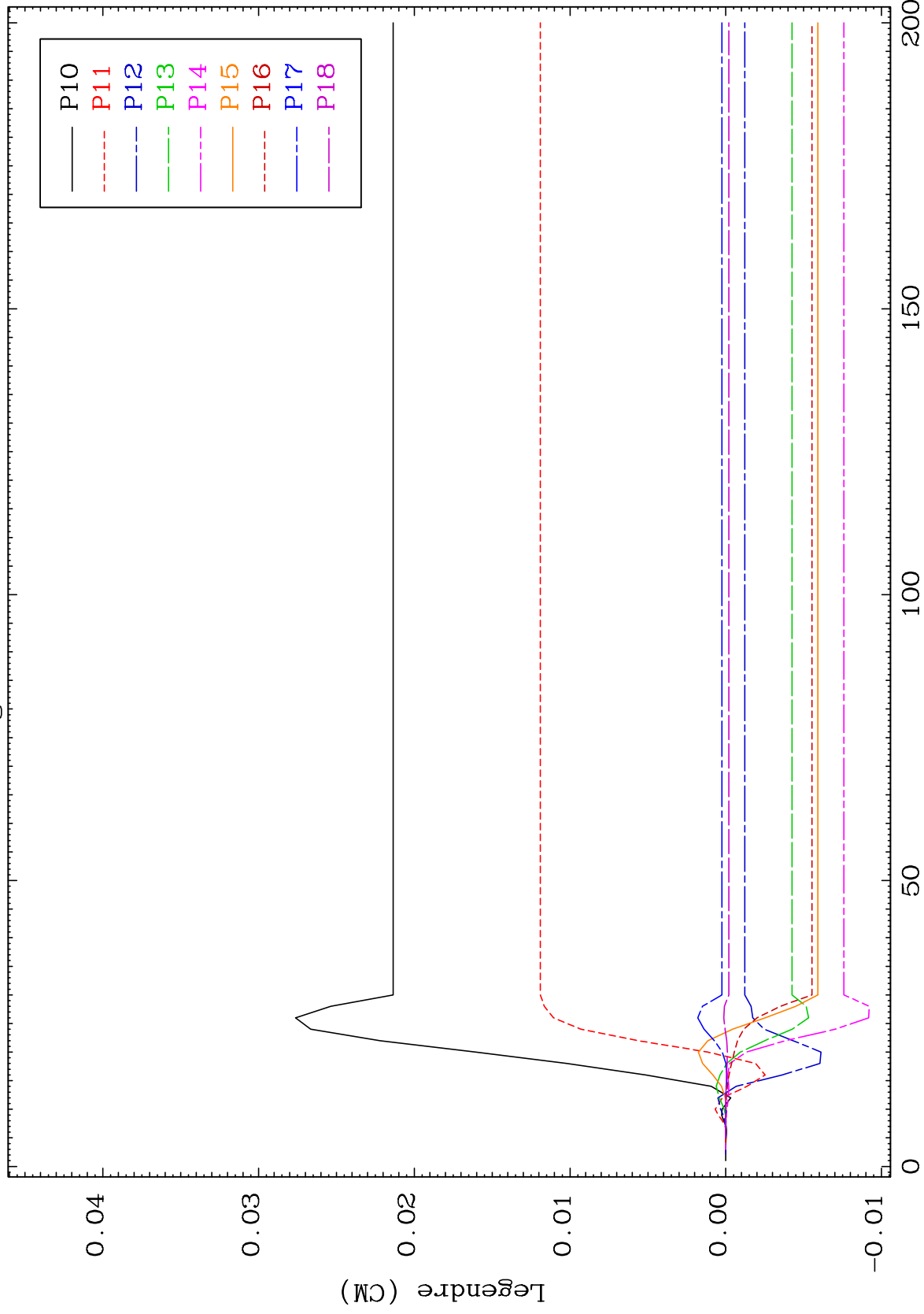
Incident Energy (MeV)

0

MAT 6319

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

63-Eu-149



21

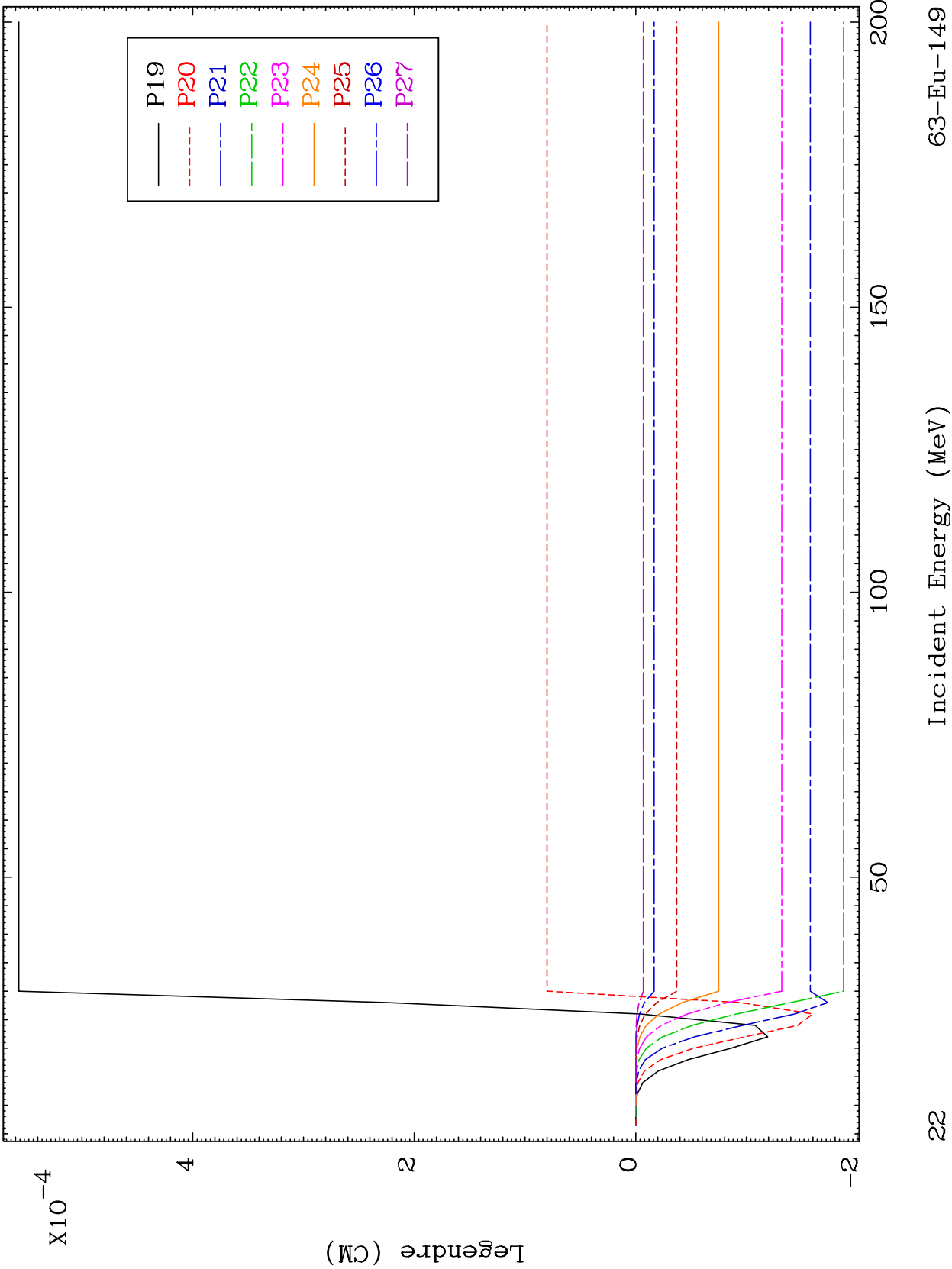
Incident Energy (MeV)

63-Eu-149

MAT 6319

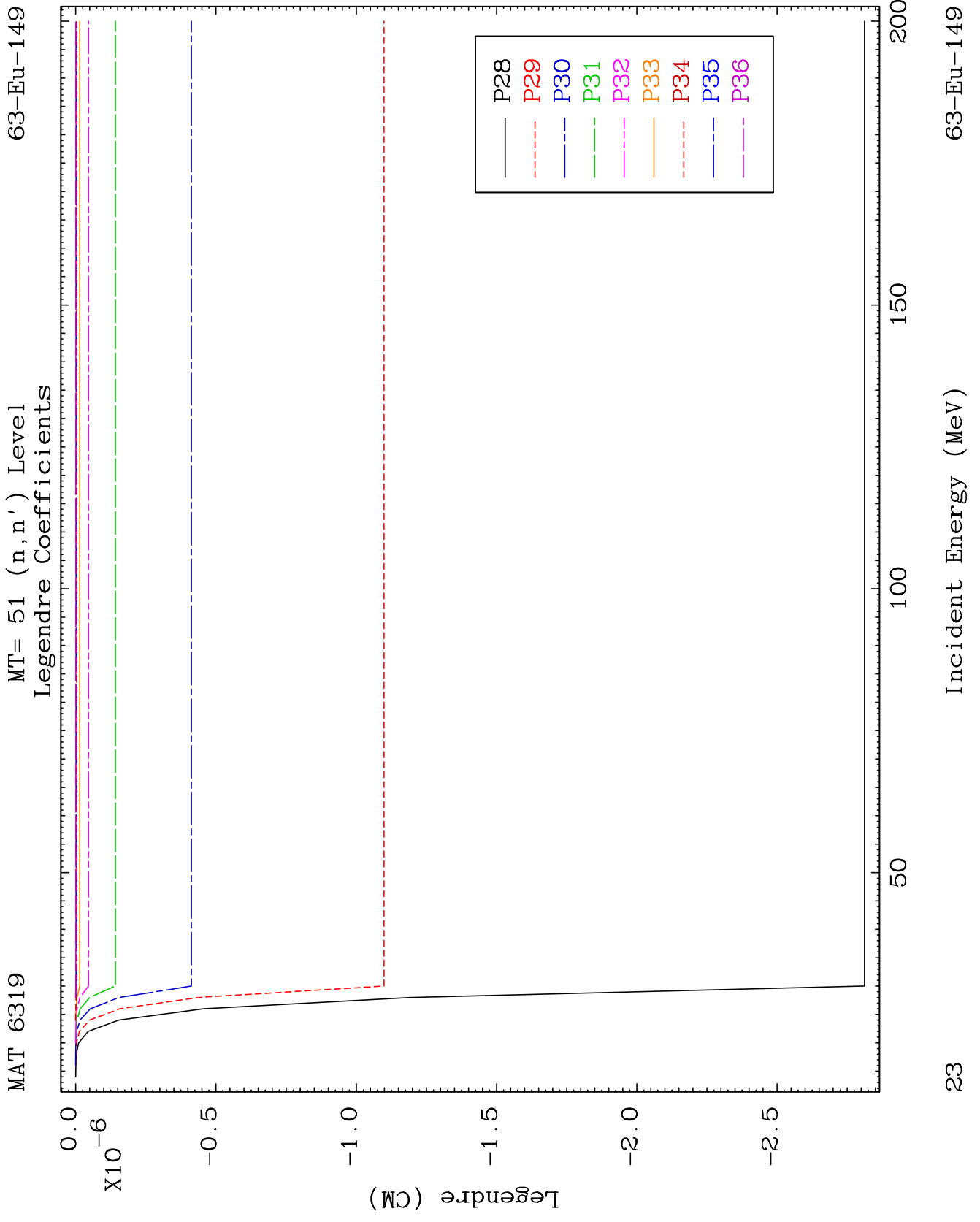
MT= 51 (n,n') Level
Legendre Coefficients

63-Eu-149



22

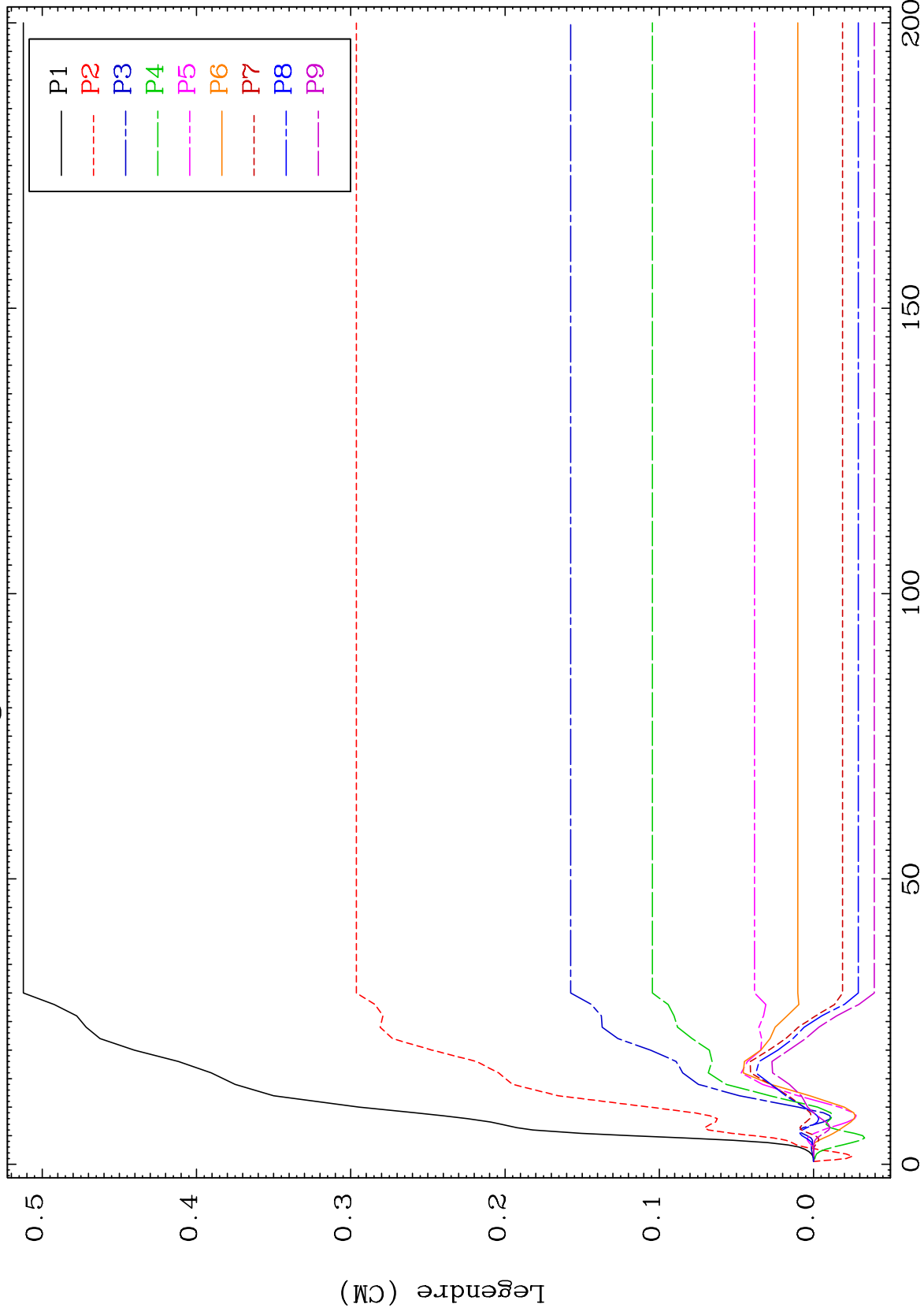
63-Eu-149



MAT 6319

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

63-Eu-149



24

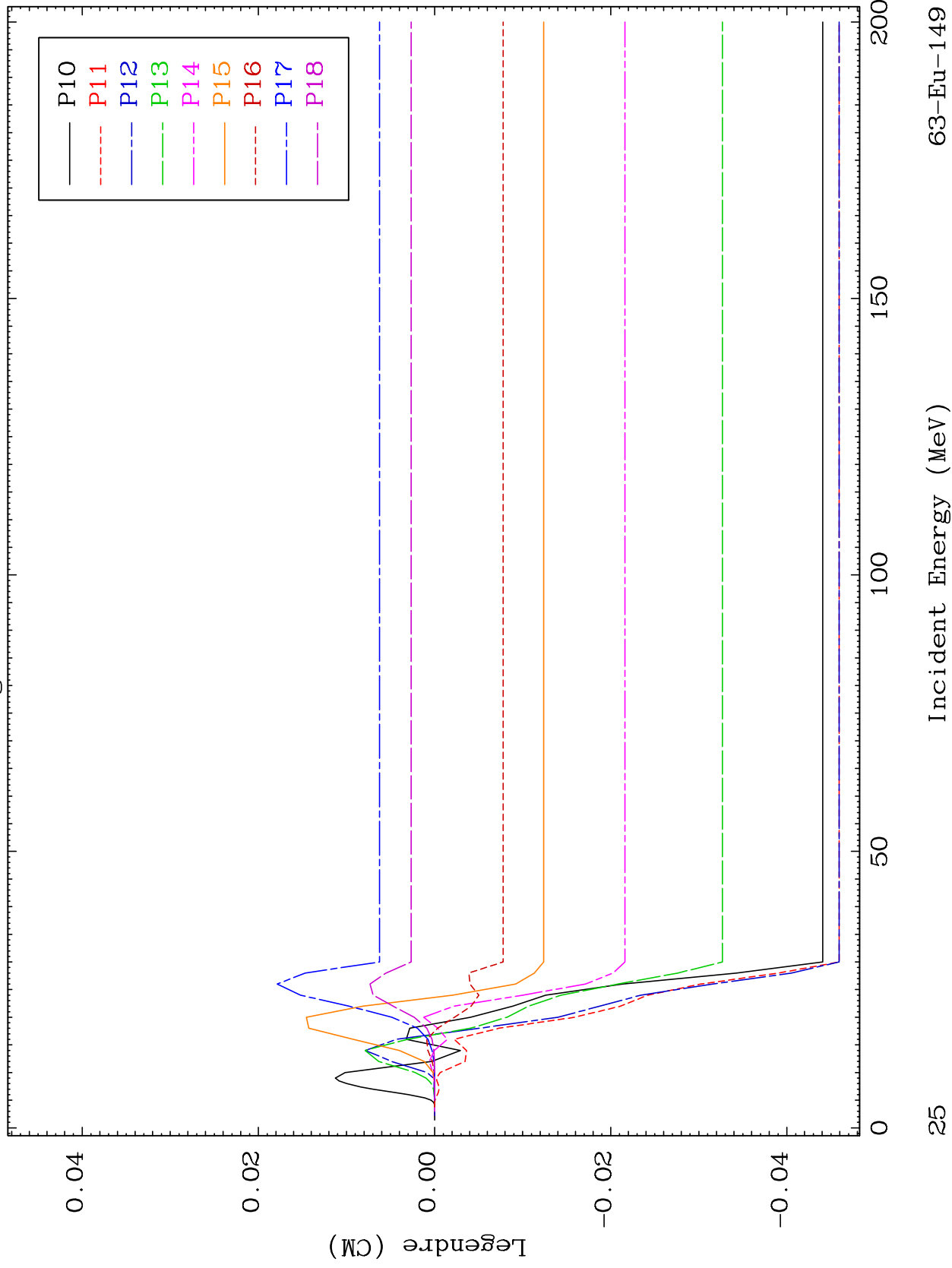
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



63-Eu-149

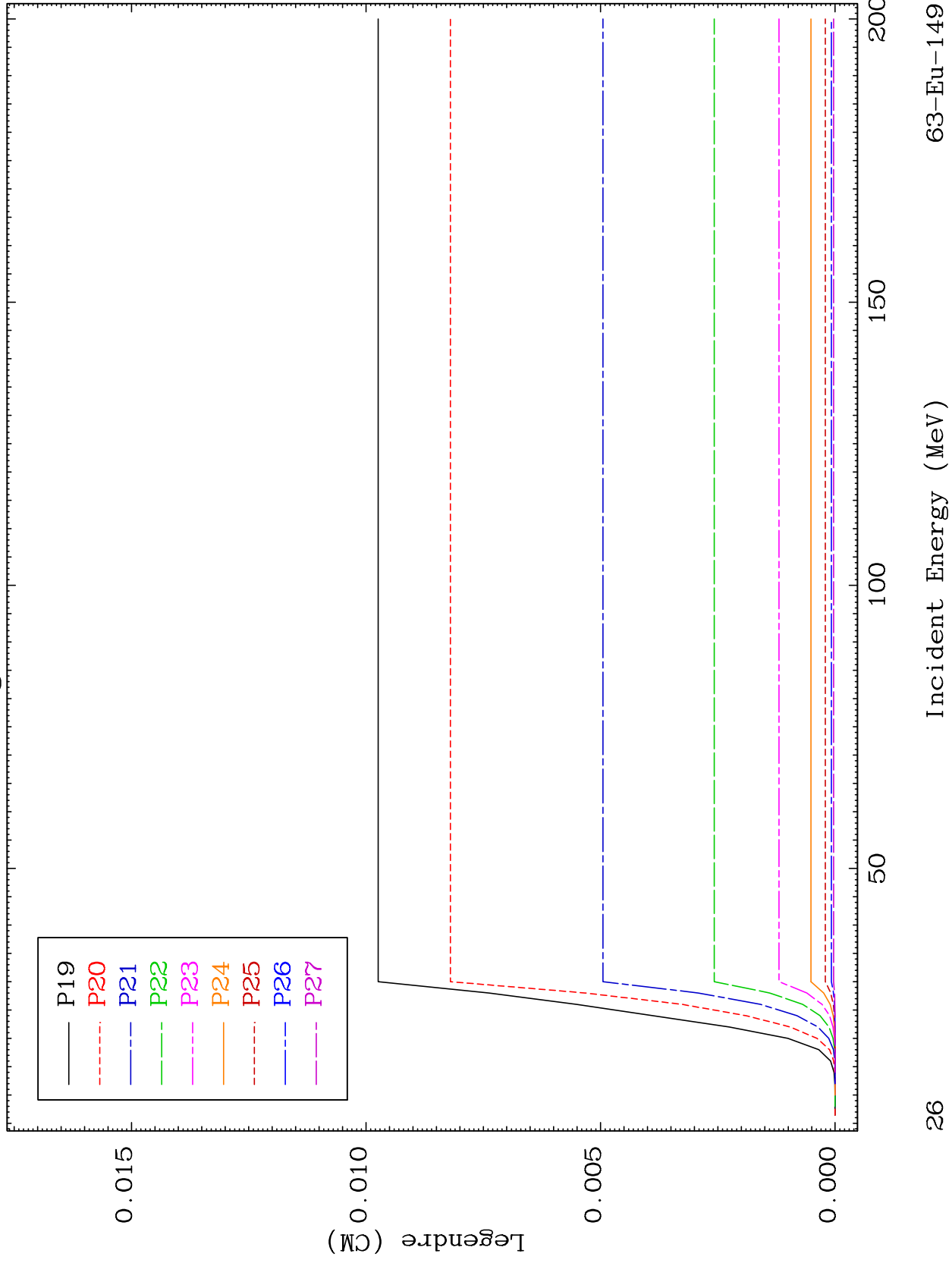
Incident Energy (MeV)

25

MAT 6319

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

63-Eu-149



26

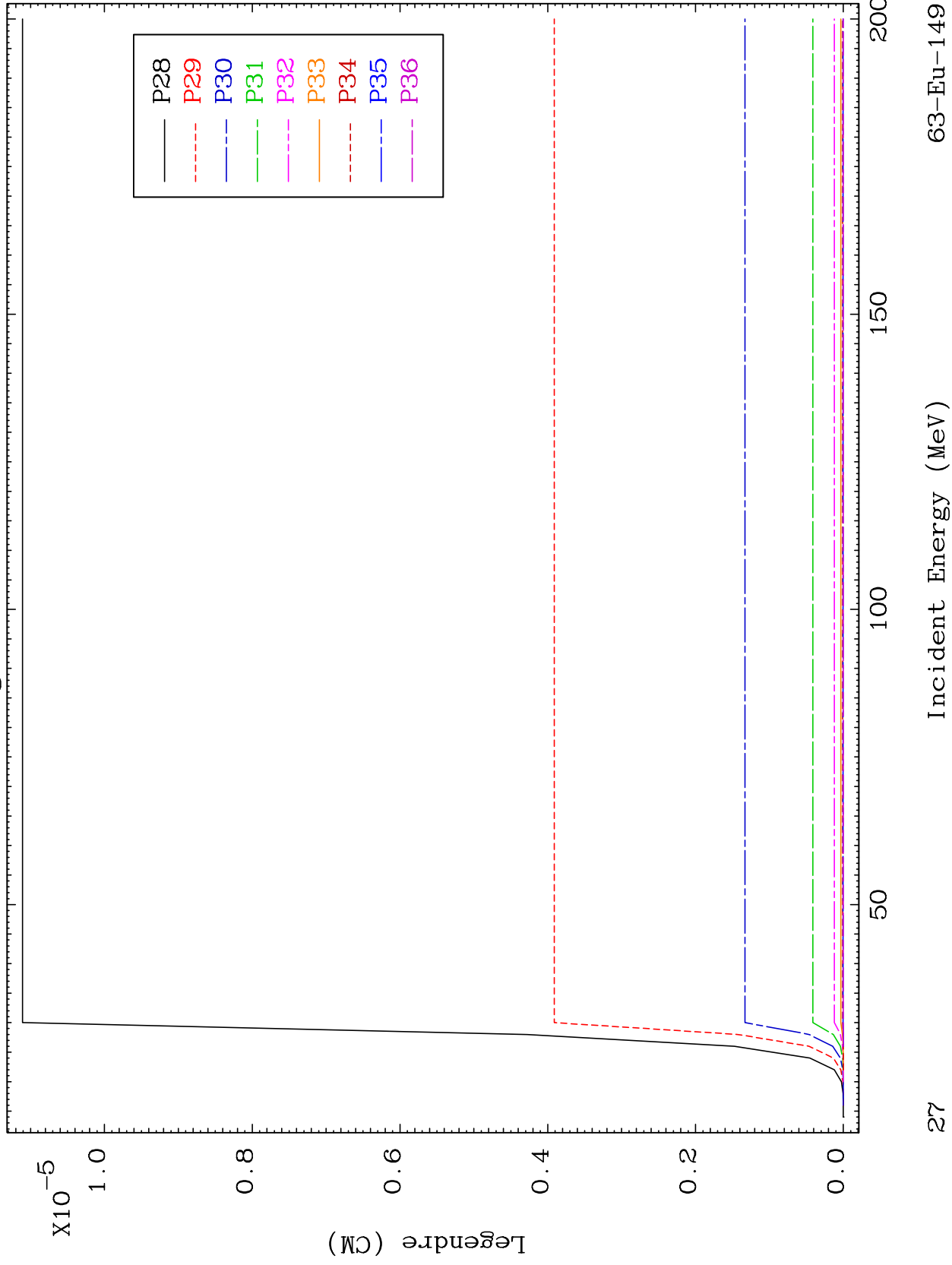
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

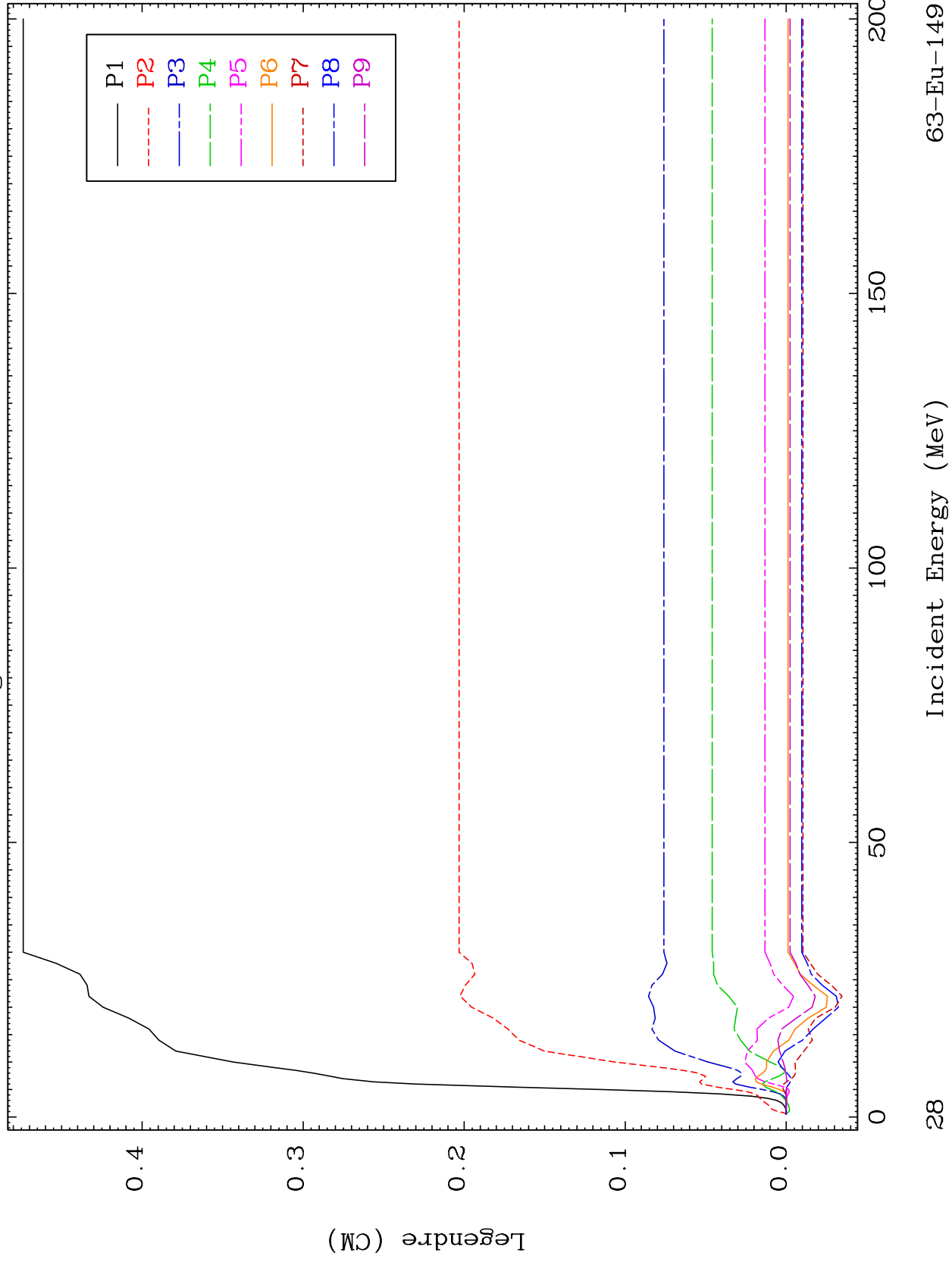
63-Eu-149



MAT 6319

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

63-Eu-149



63-Eu-149

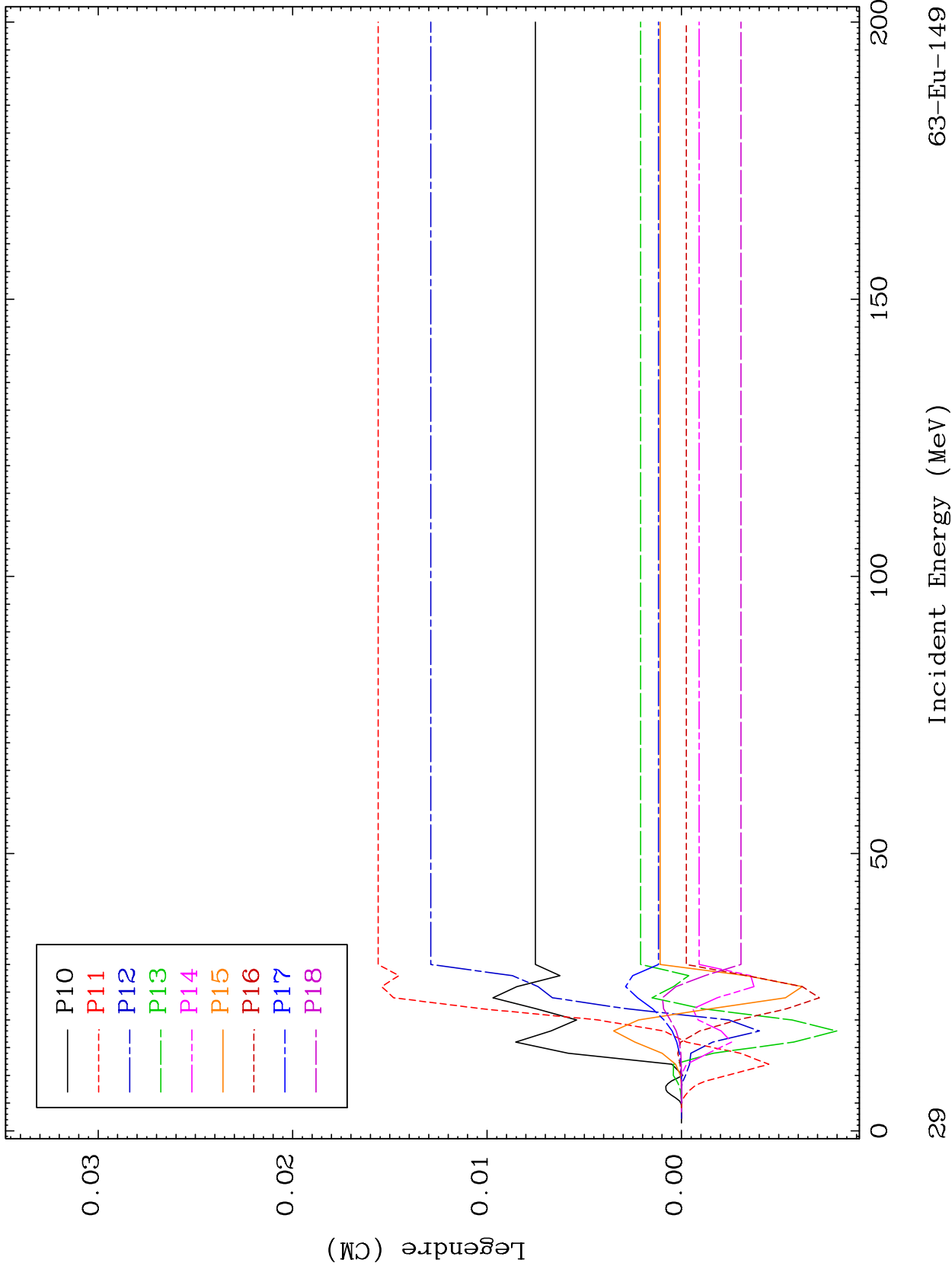
Incident Energy (MeV)

28

MAT 6319

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

63-Eu-149



29

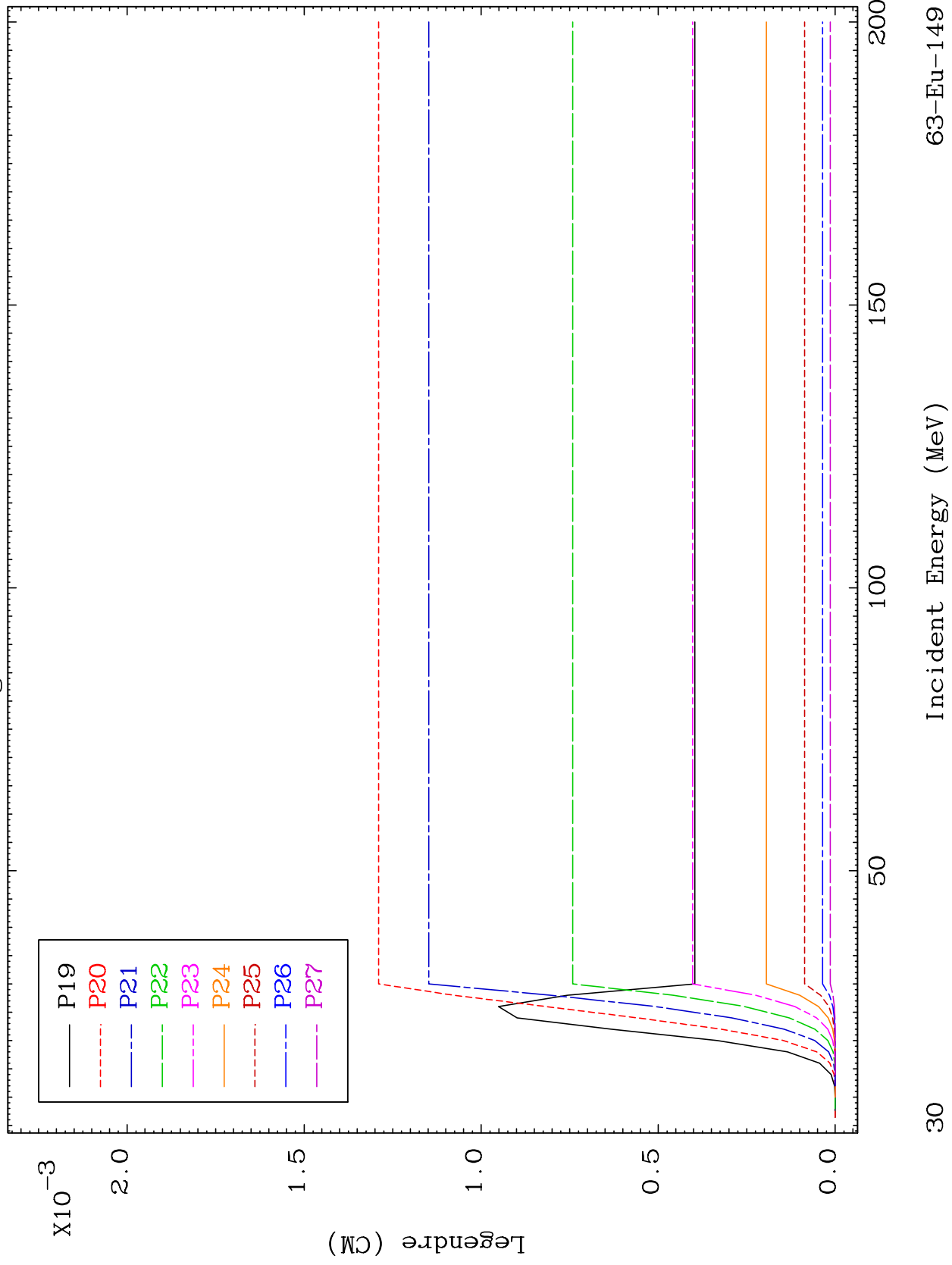
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



30

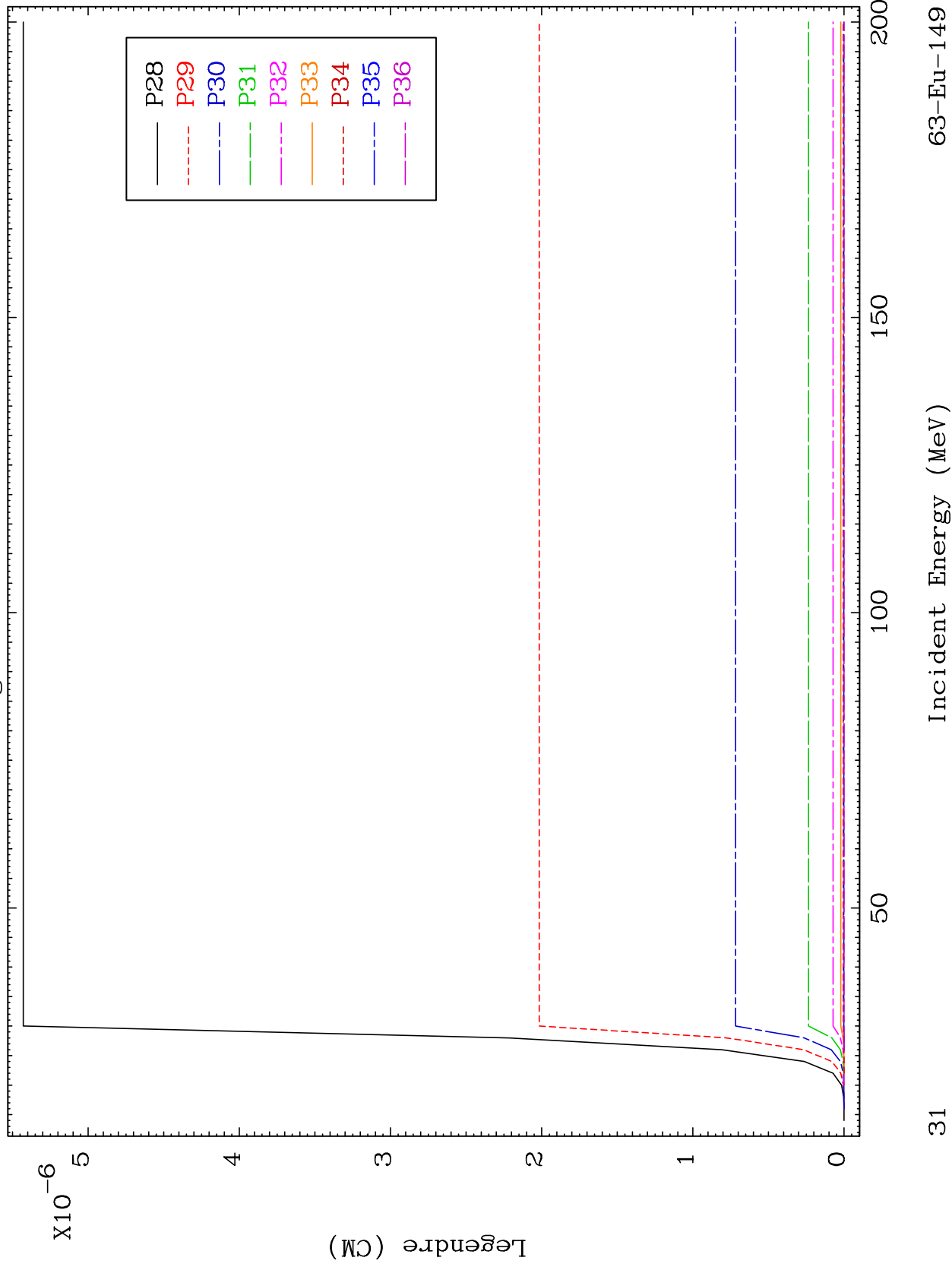
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



31

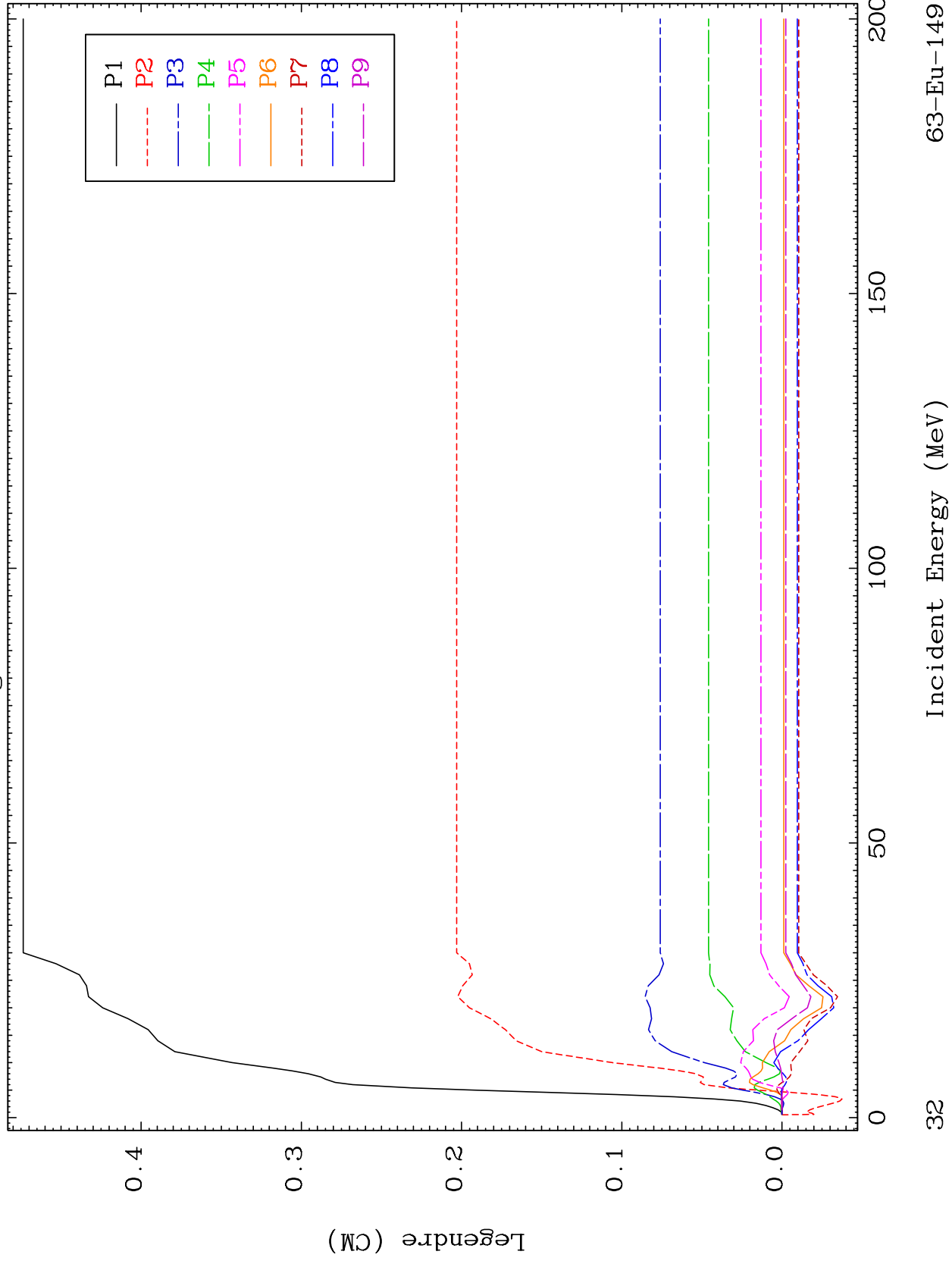
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



63-Eu-149

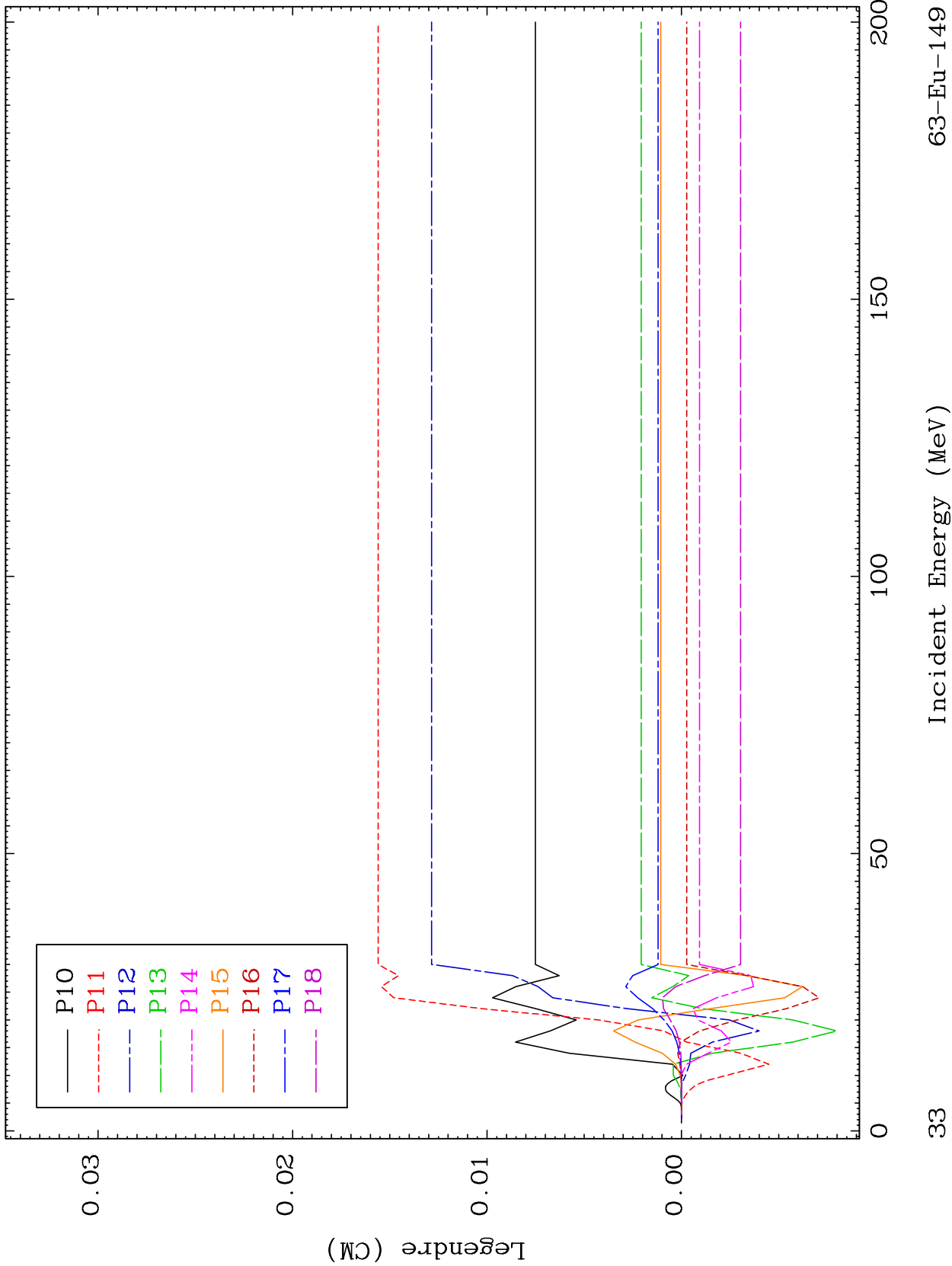
Incident Energy (MeV)

32

MAT 6319

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

63-Eu-149



33

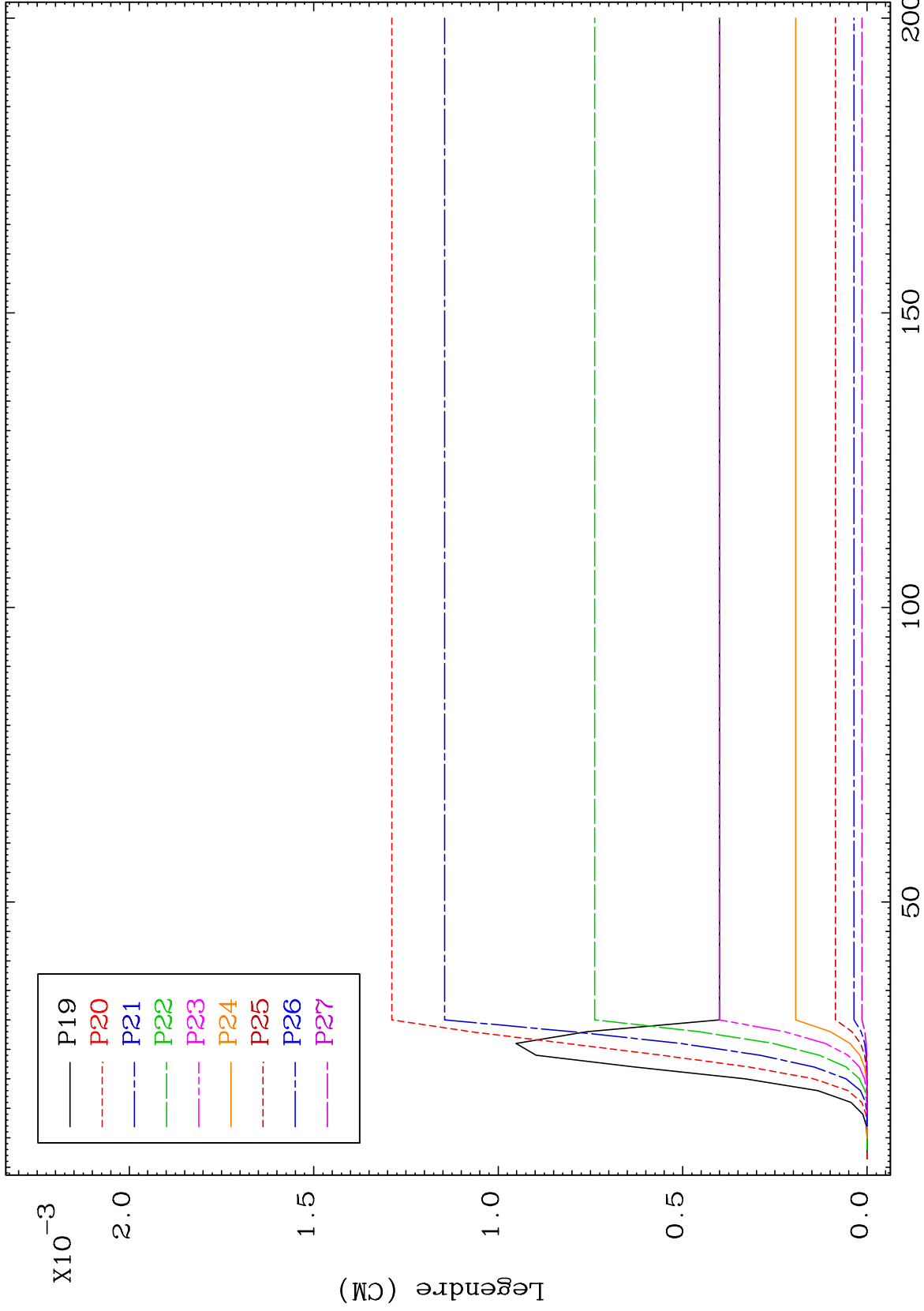
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



34

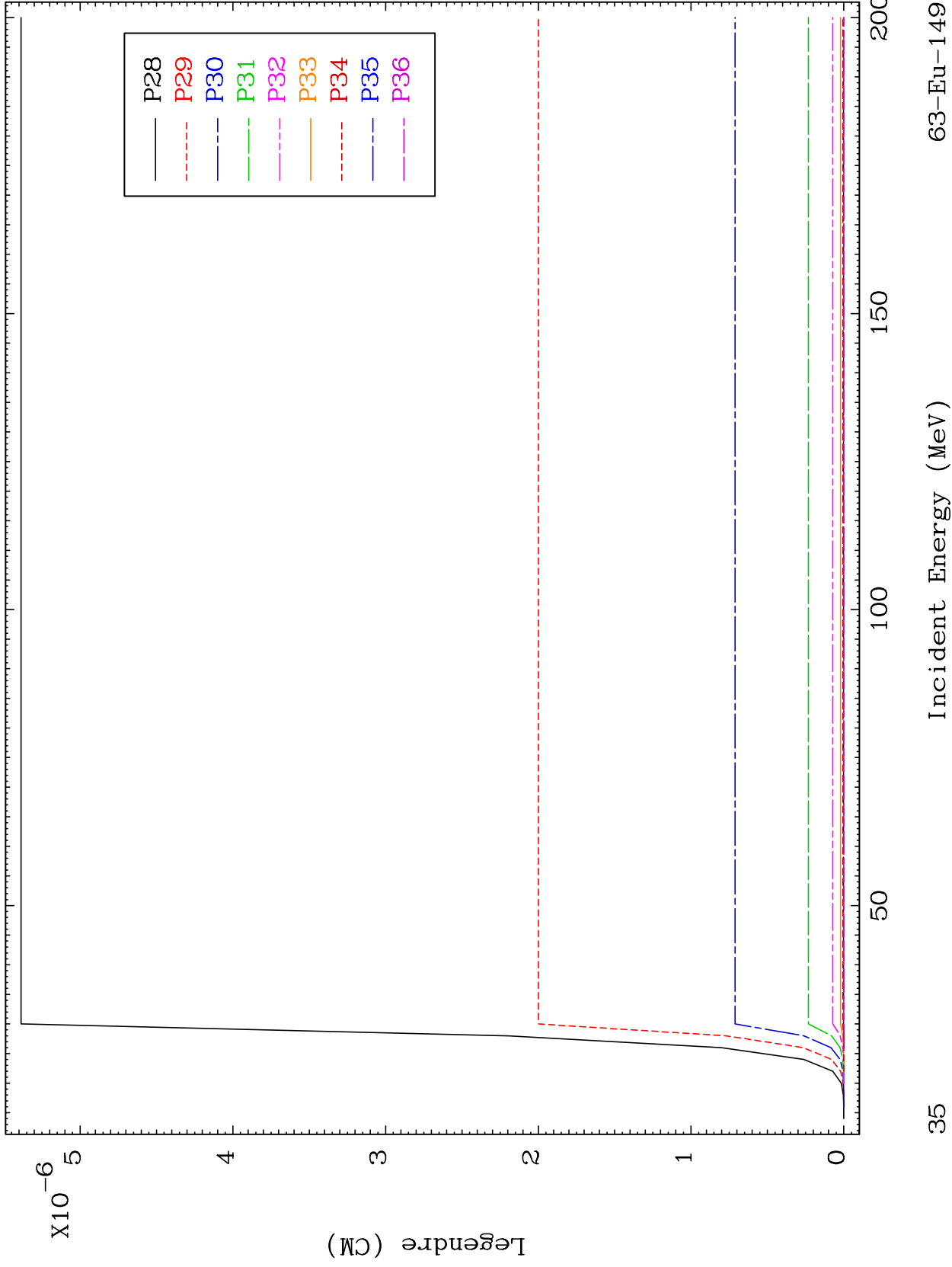
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

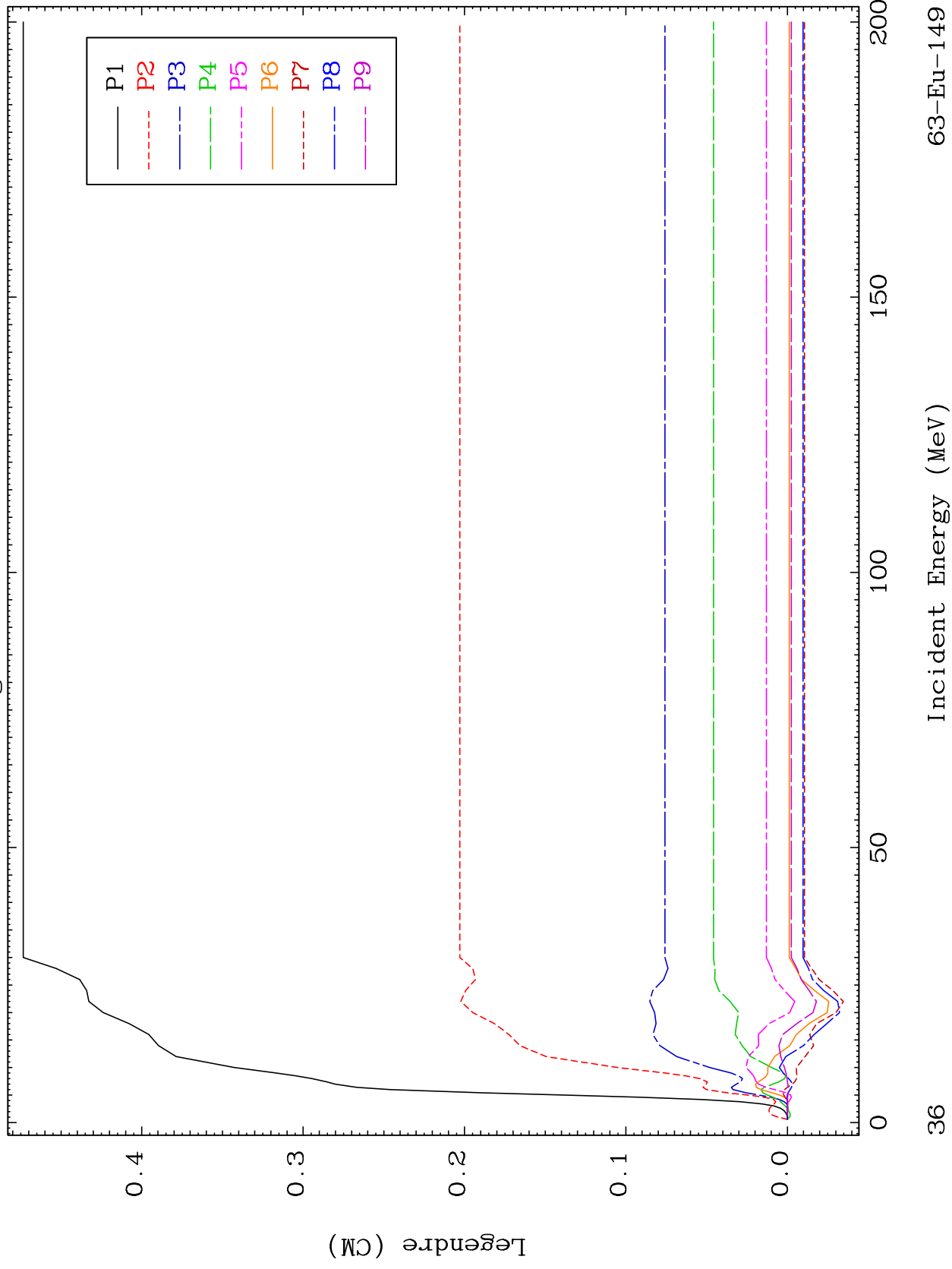
63-Eu-149



MAT 6319

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

63-Eu-149



63-Eu-149

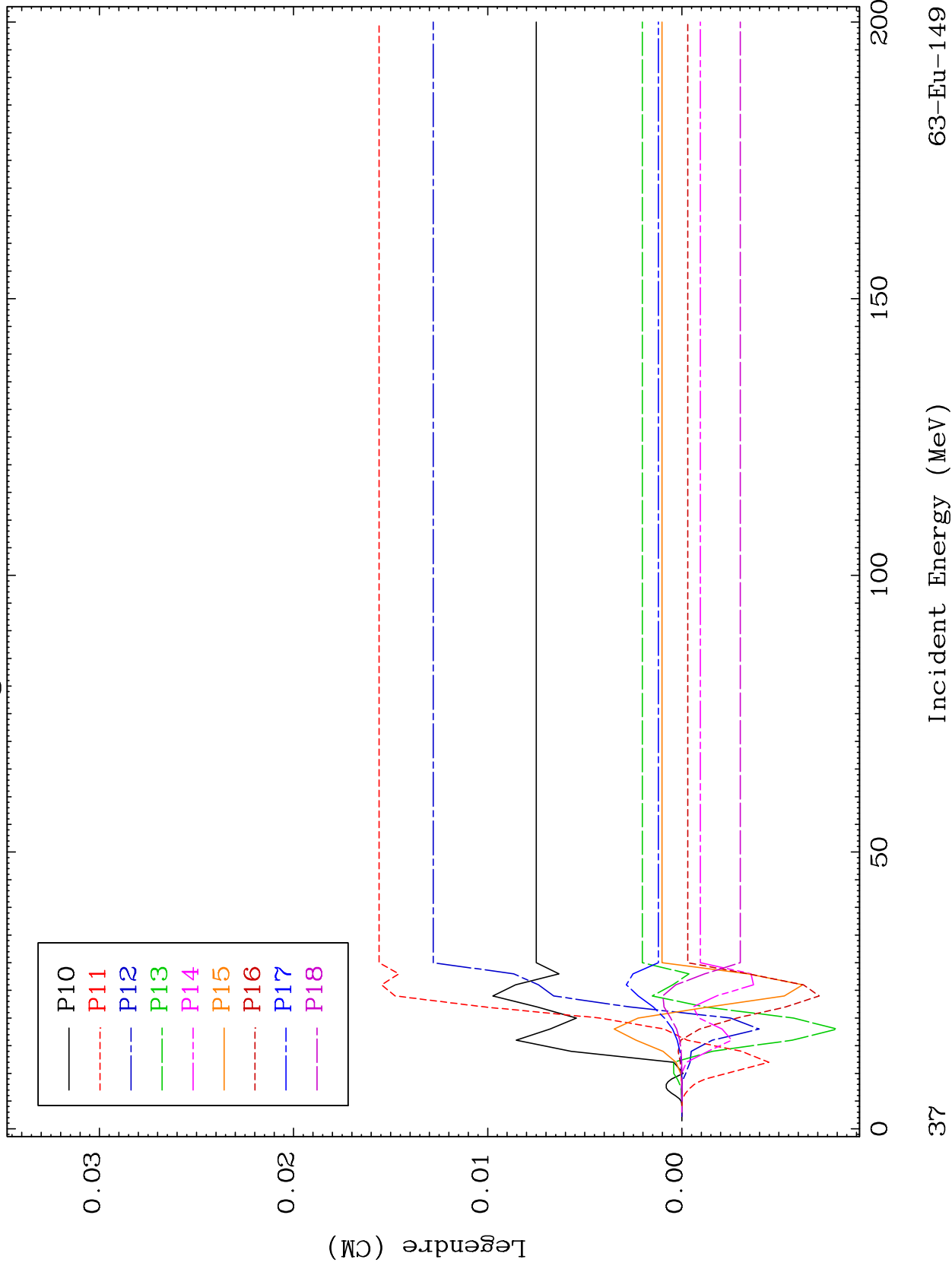
Incident Energy (MeV)

36

MAT 6319

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

63-Eu-149



63-Eu-149

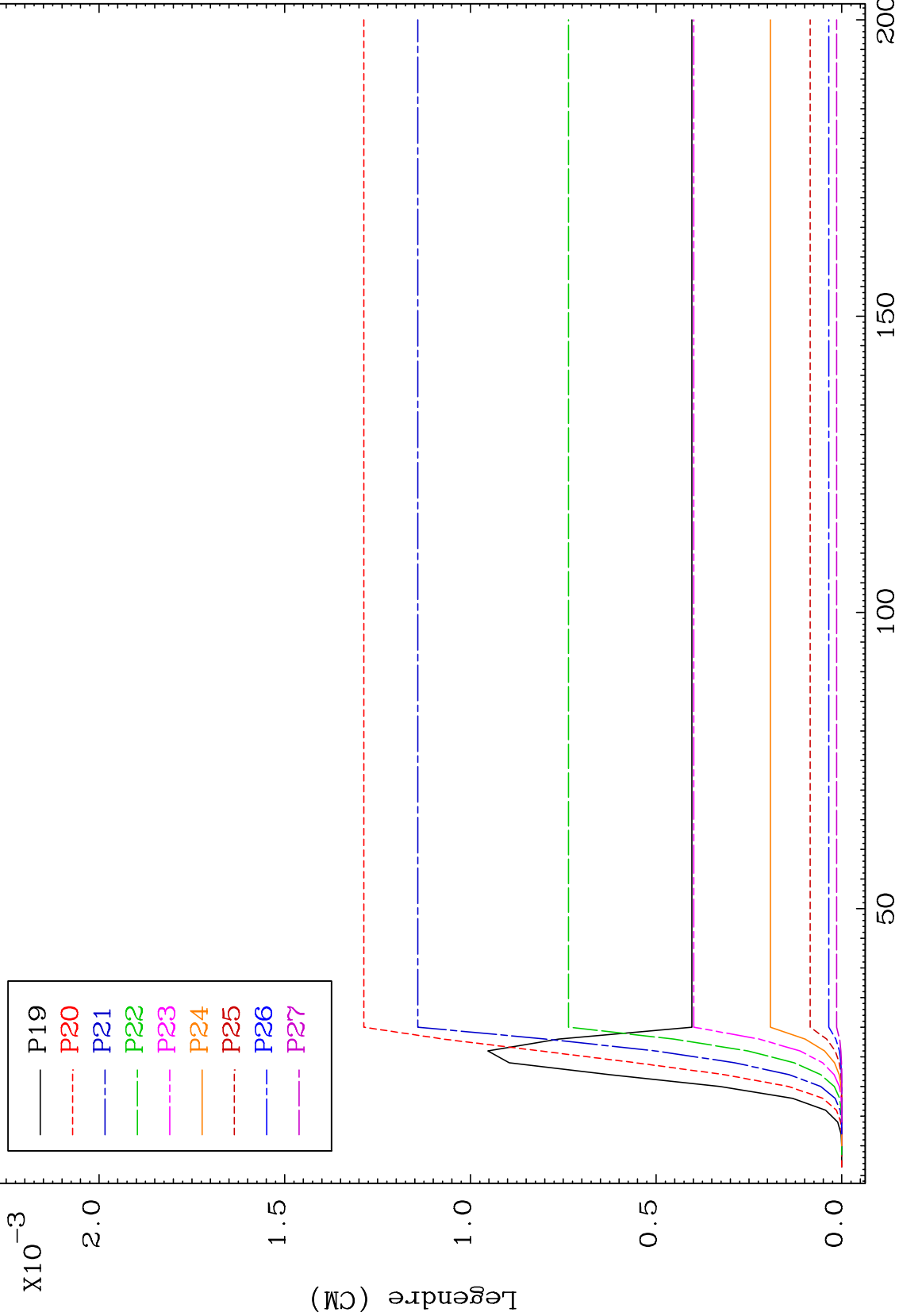
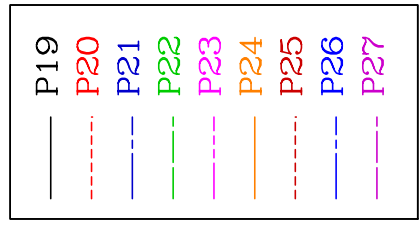
Incident Energy (MeV)

37

MAT 6319

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

63-Eu-149



38

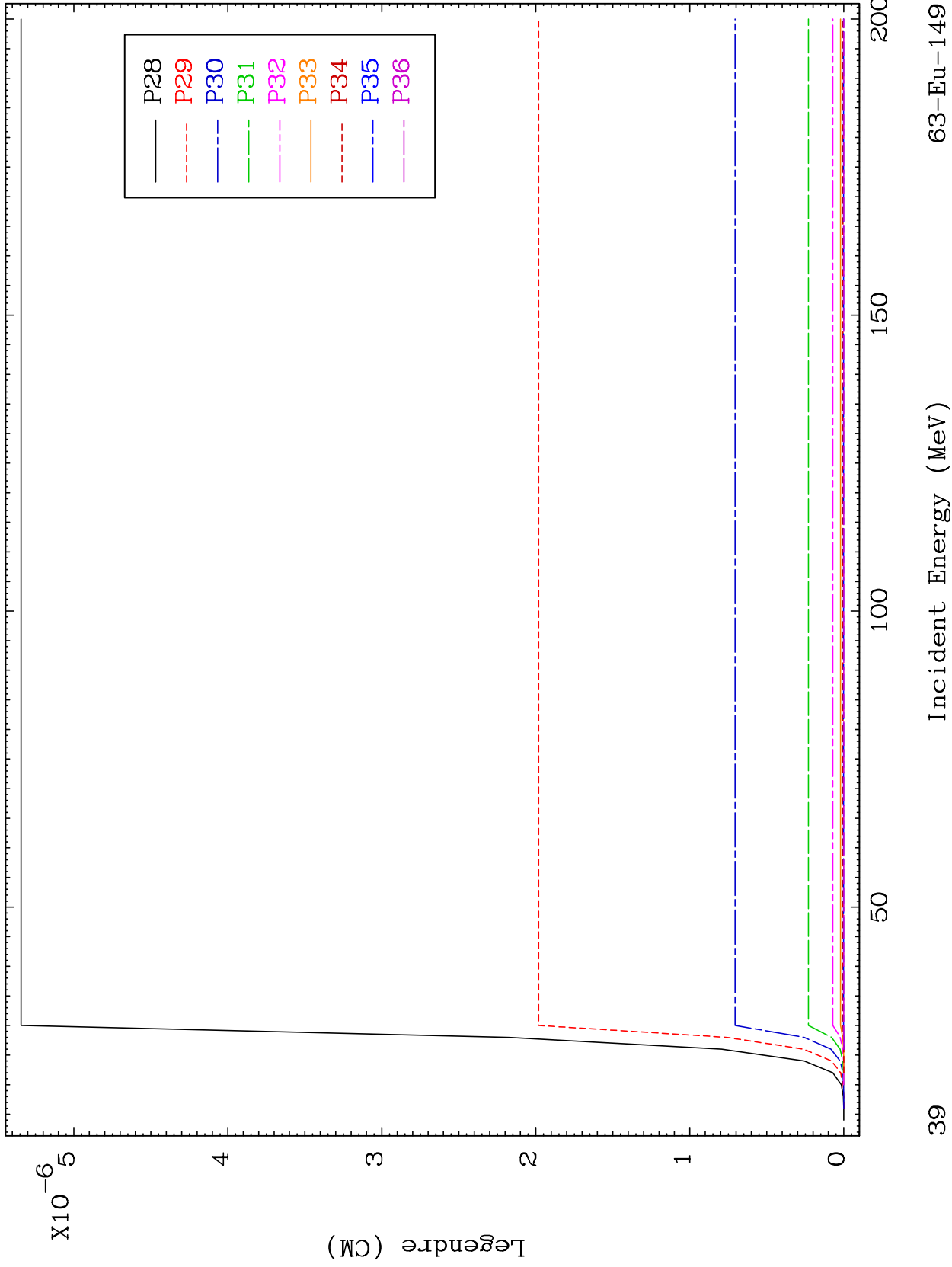
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



39

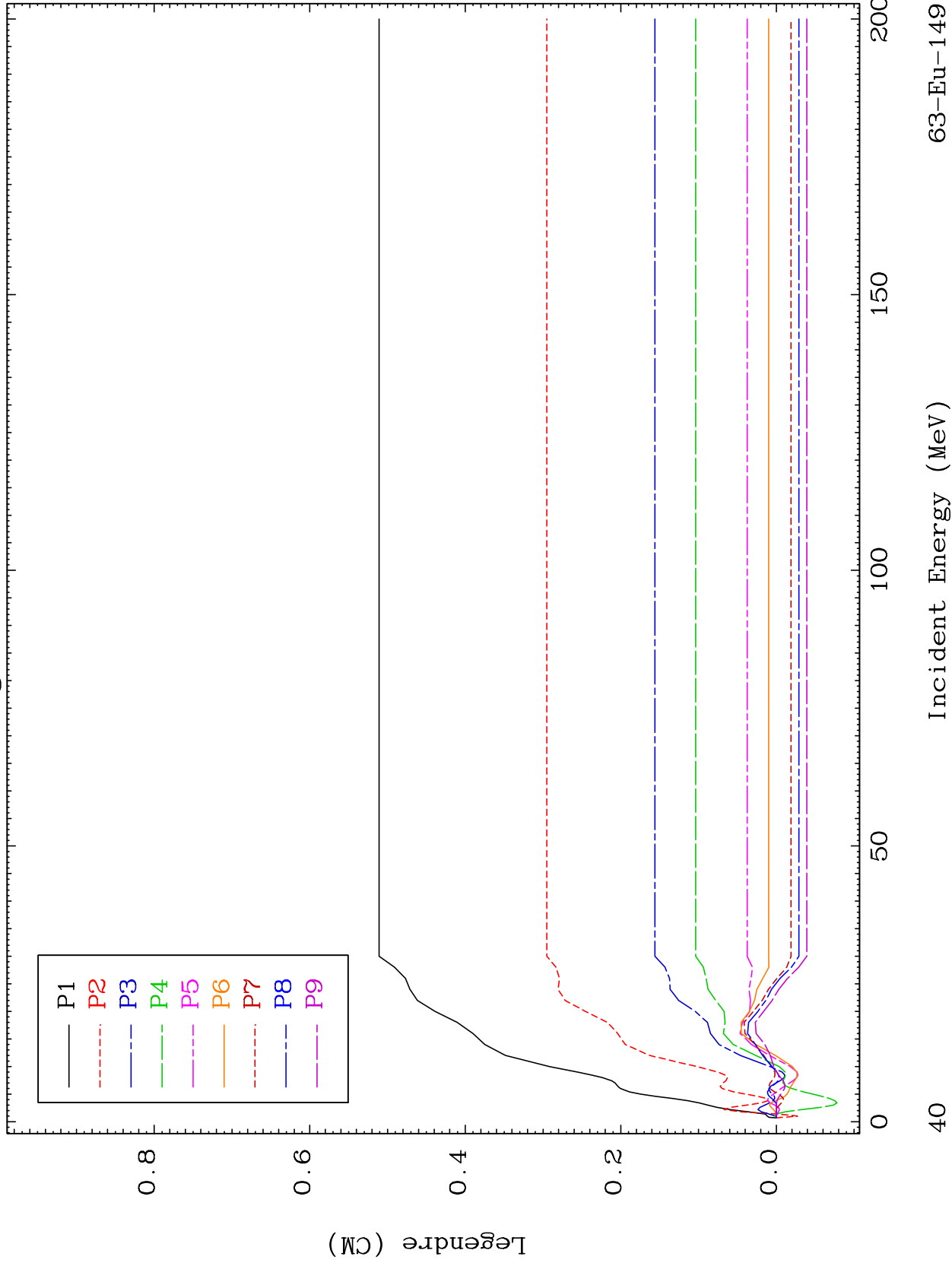
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149

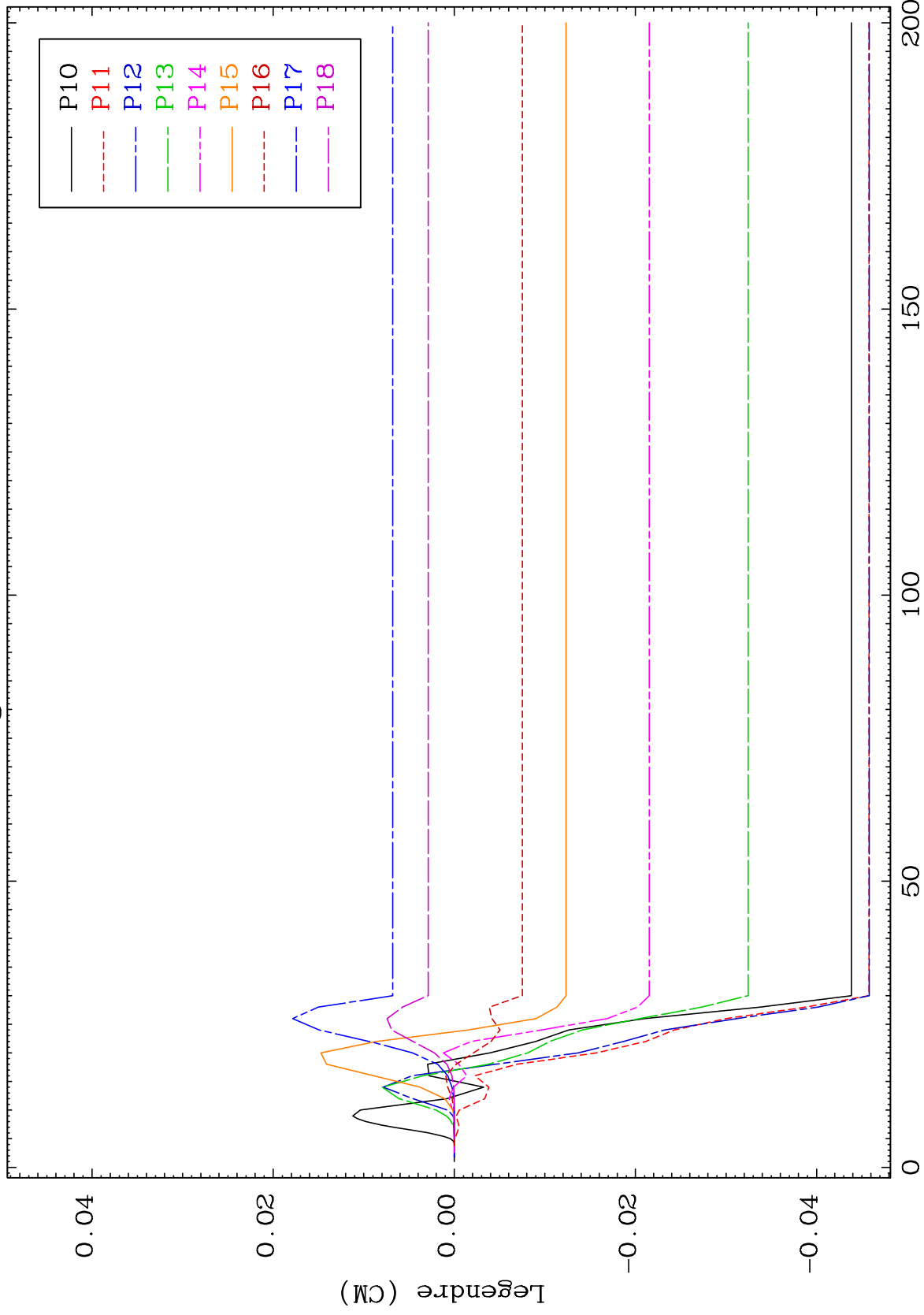


63-Eu-149

MAT 6319

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

63-Eu-149



41

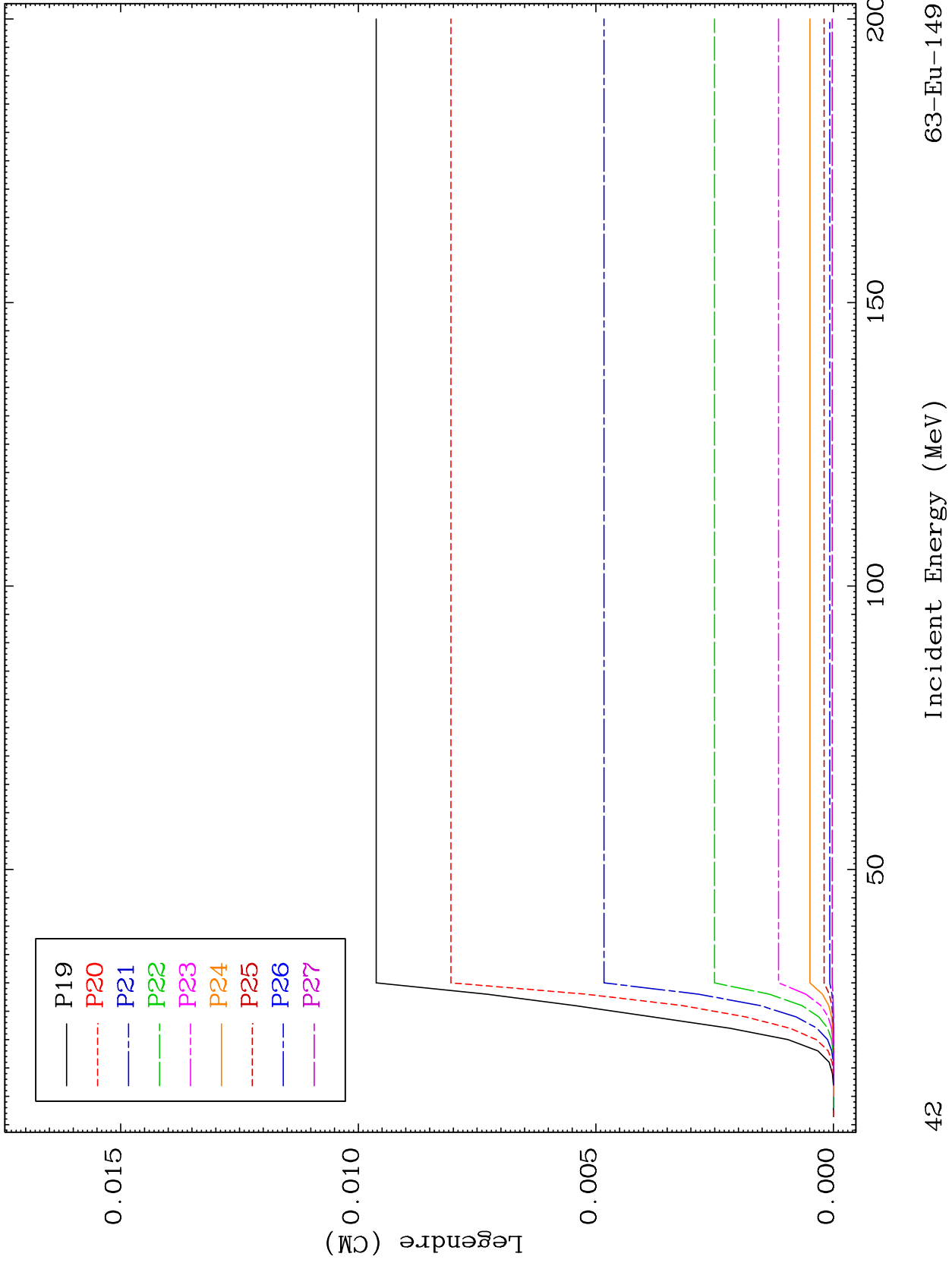
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

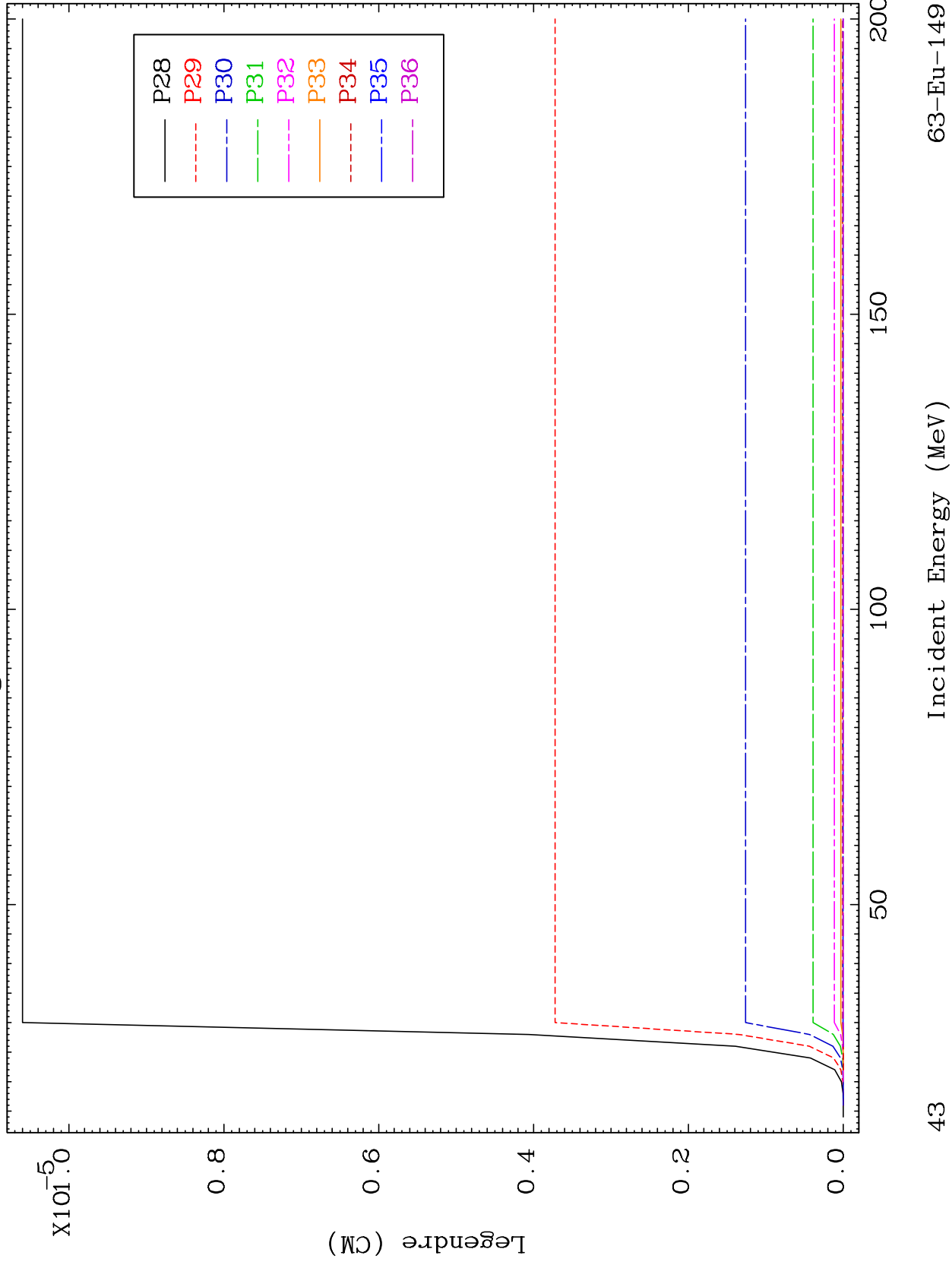
63-Eu-149



MAT 6319

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

63-Eu-149



43

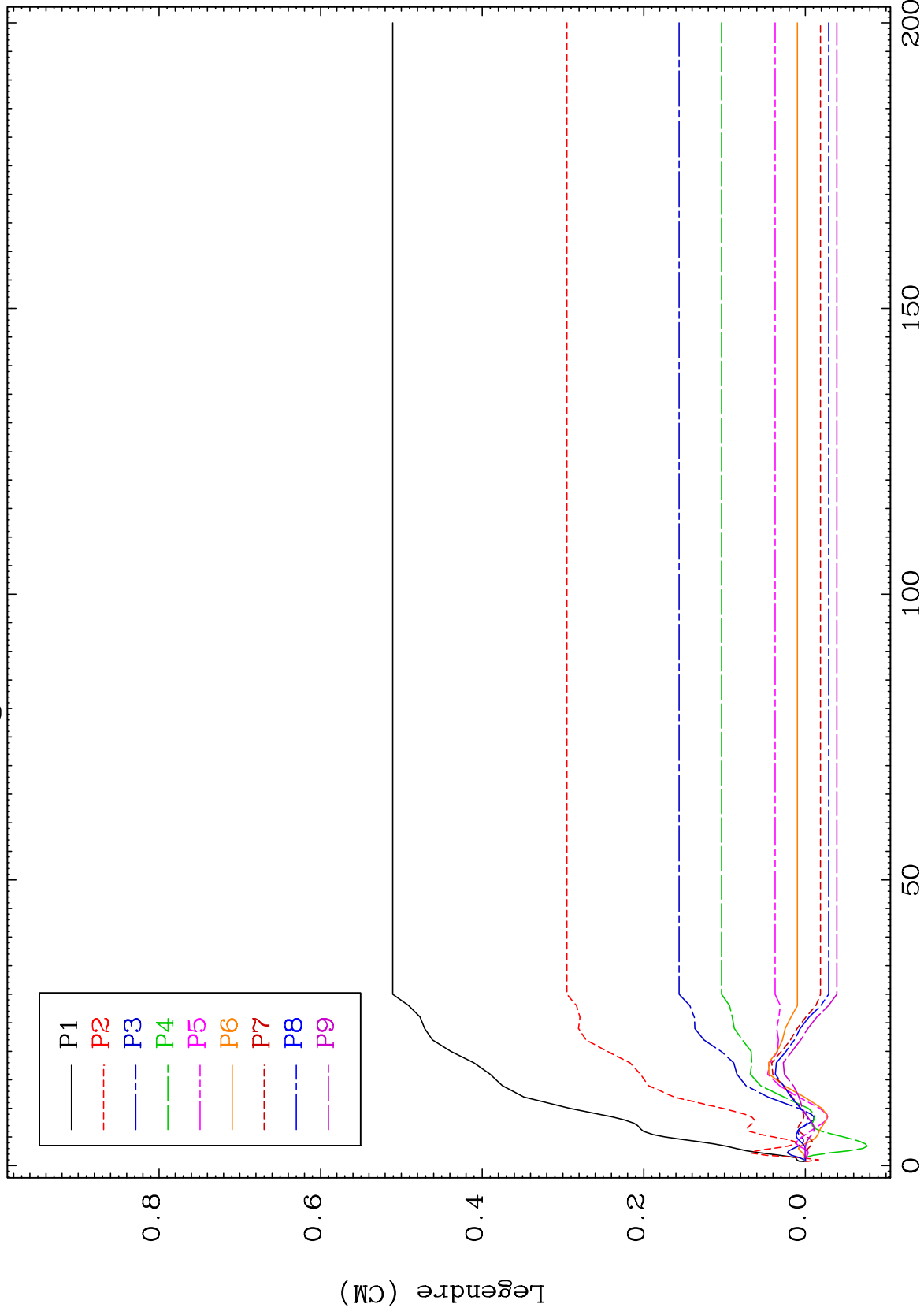
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



44

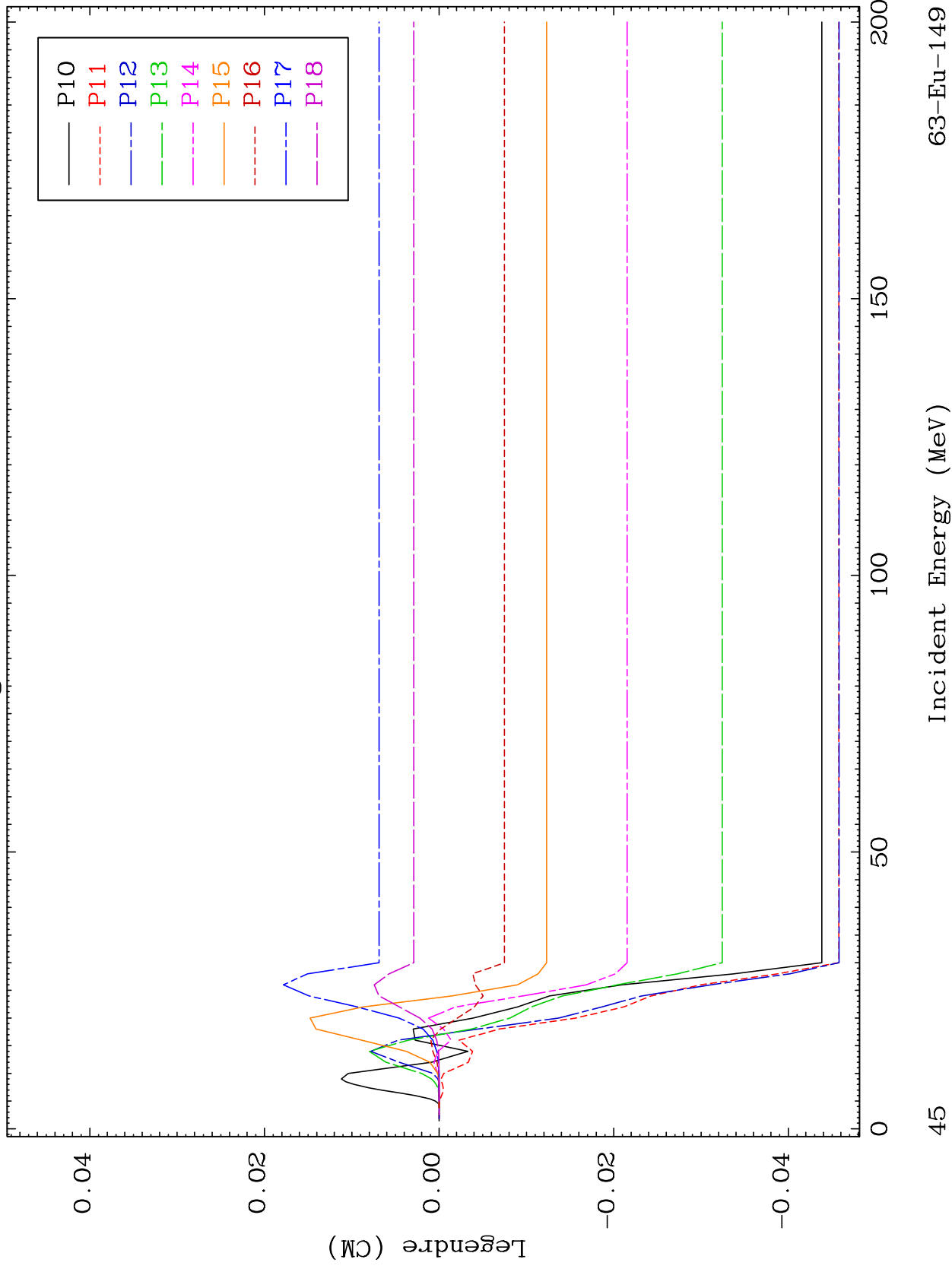
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



63-Eu-149

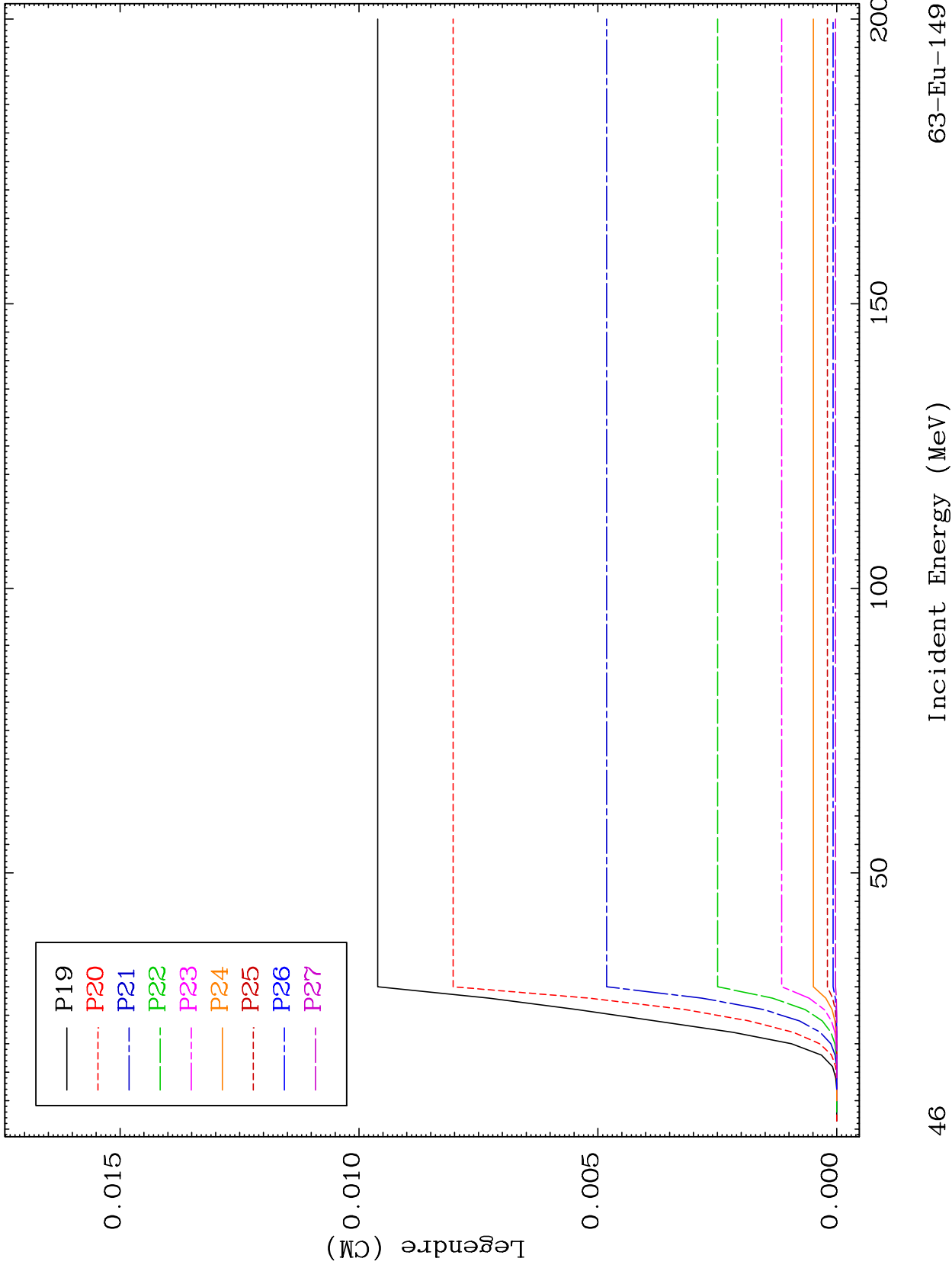
Incident Energy (MeV)

45

MAT 6319

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

63-Eu-149



46

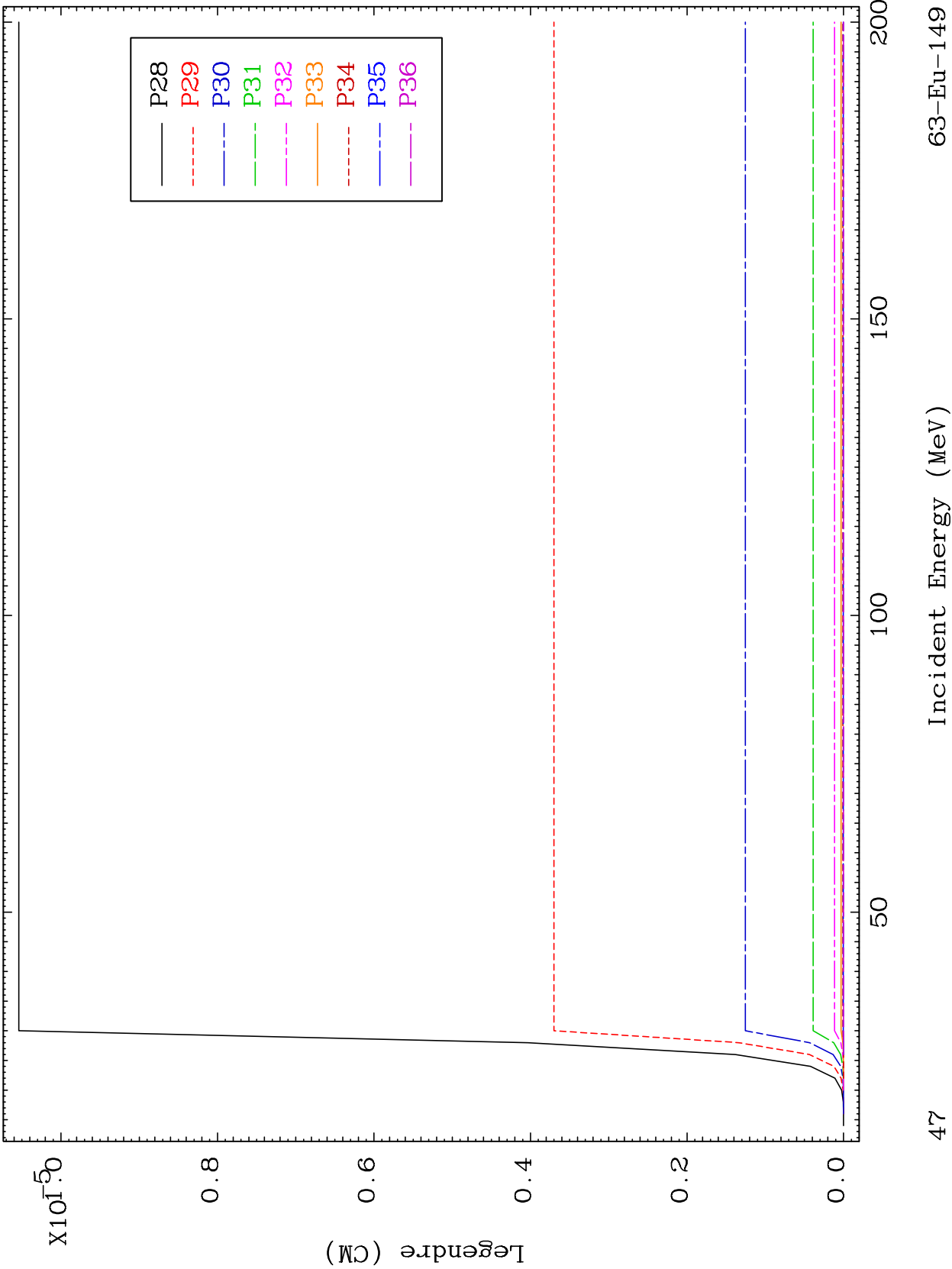
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

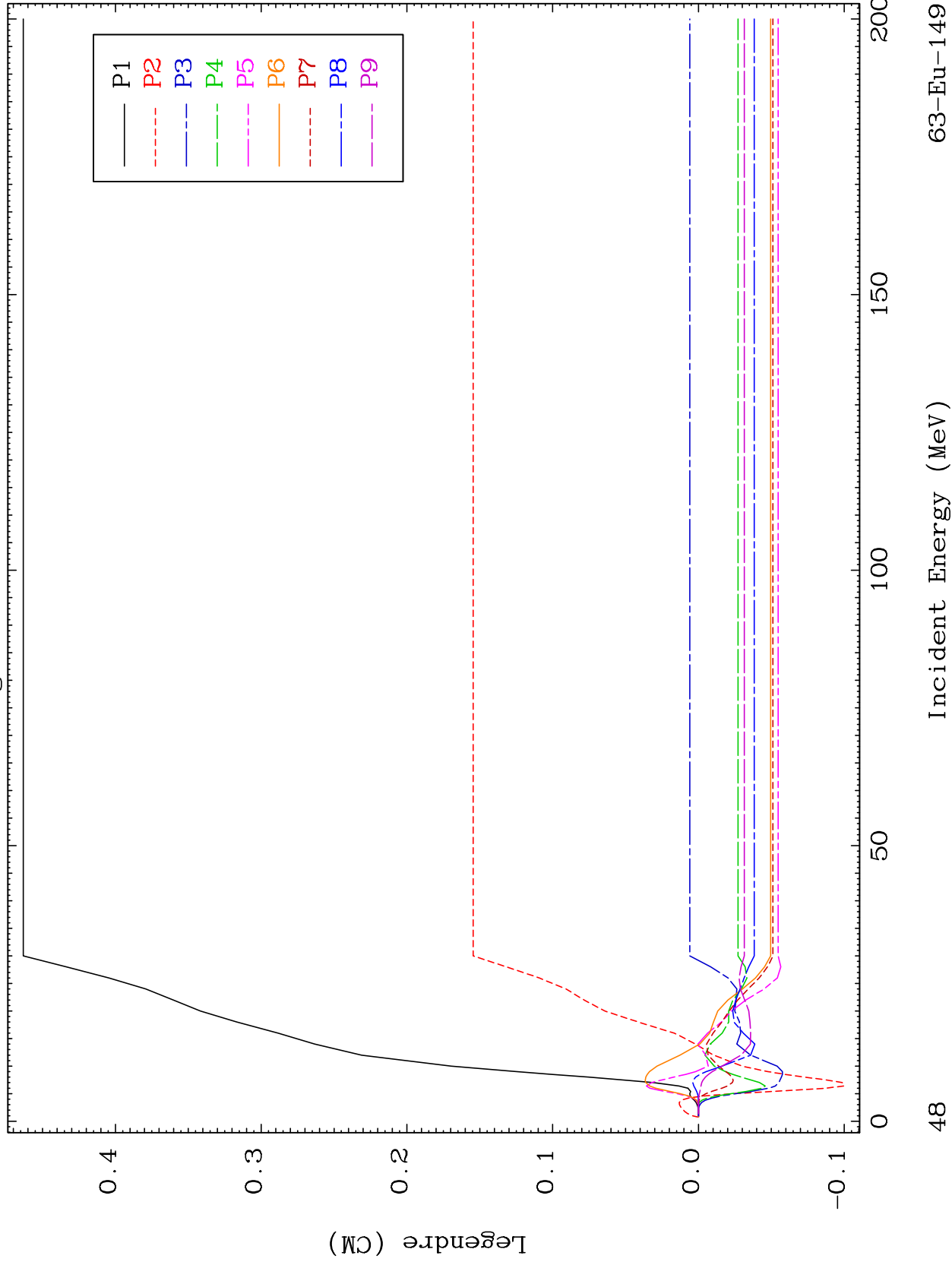
63-Eu-149



MAT 6319

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

63-Eu-149



63-Eu-149

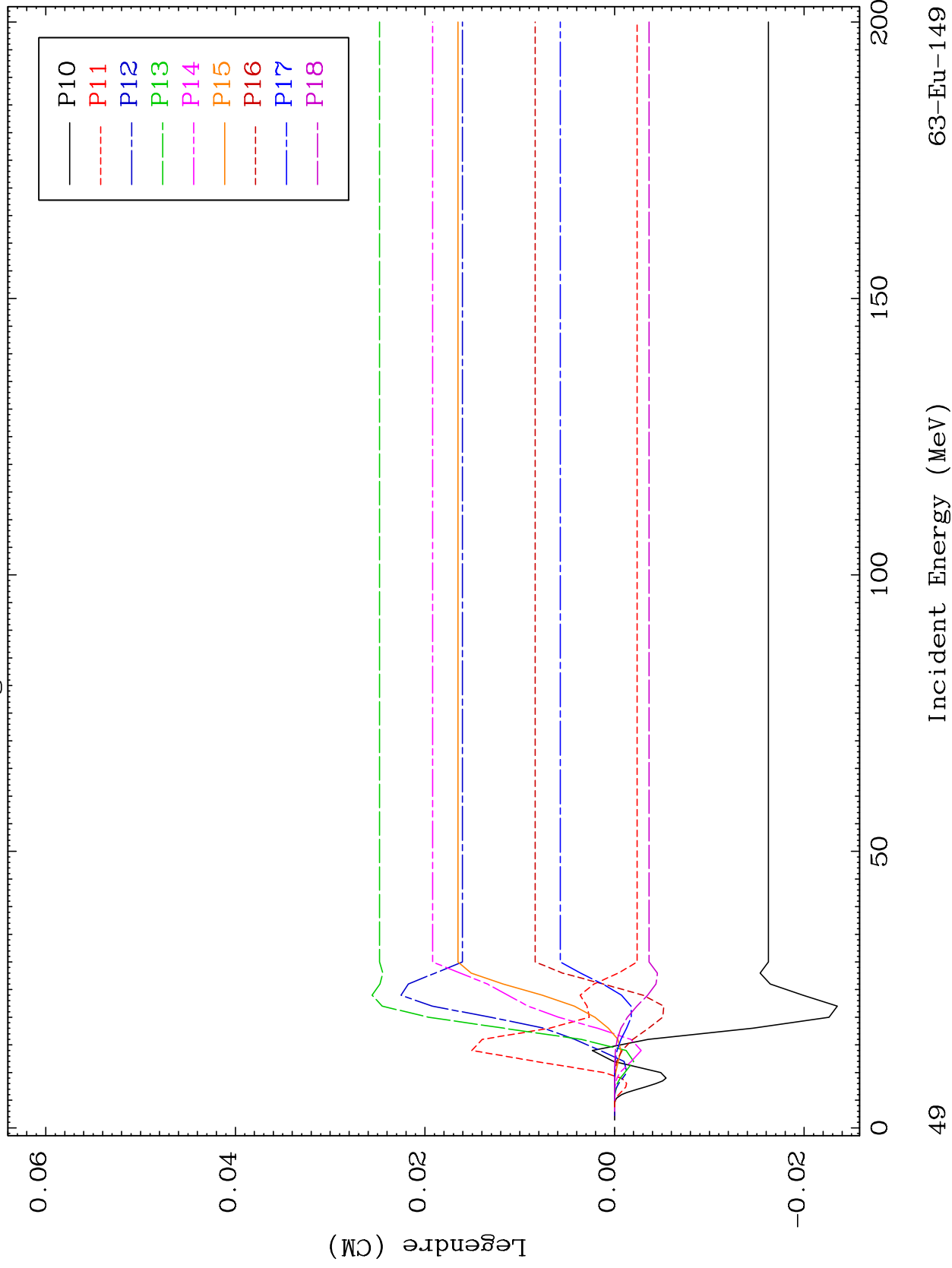
Incident Energy (MeV)

48

MAT 6319

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

63-Eu-149



63-Eu-149

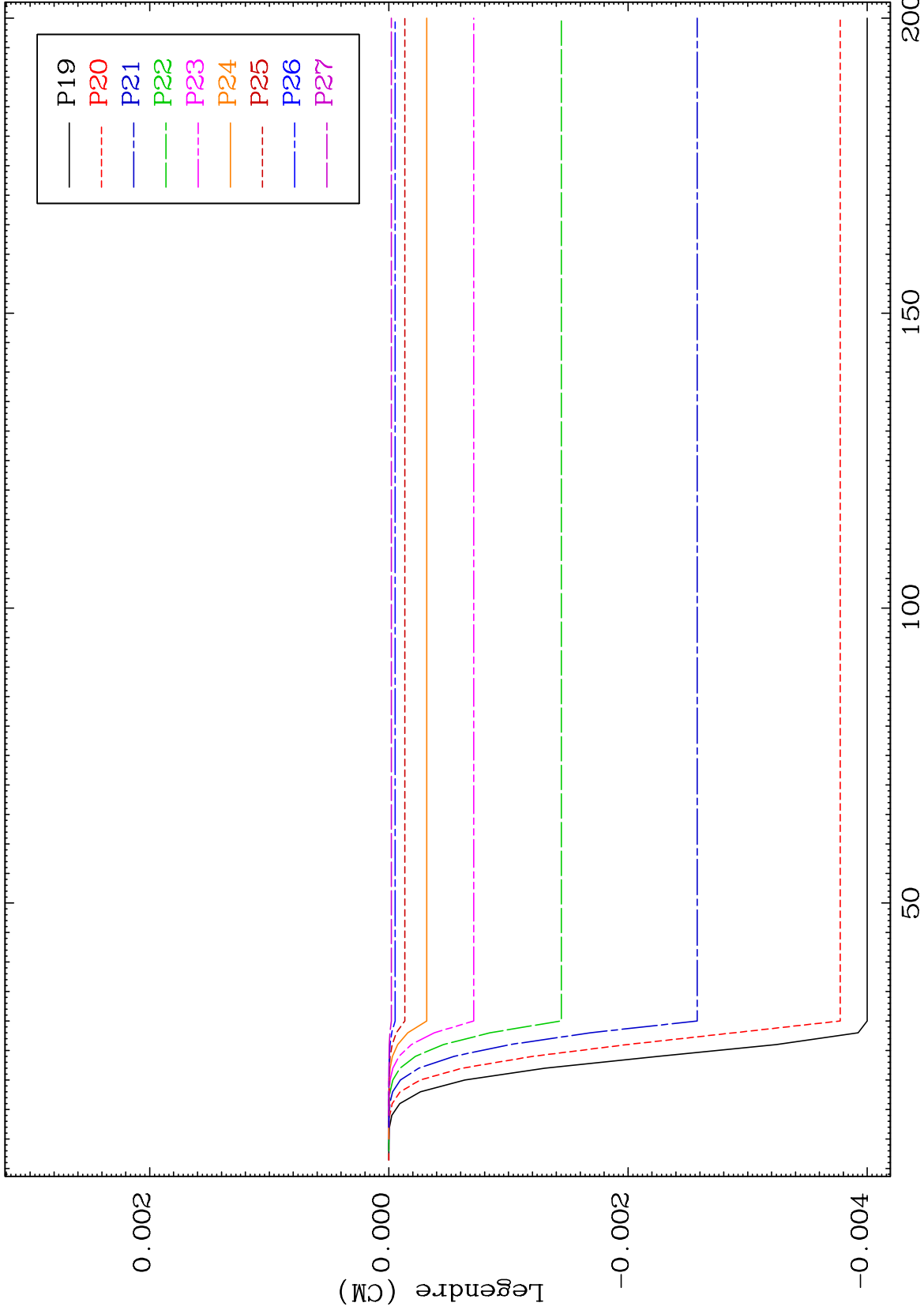
Incident Energy (MeV)

49

MAT 6319

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

63-Eu-149



50

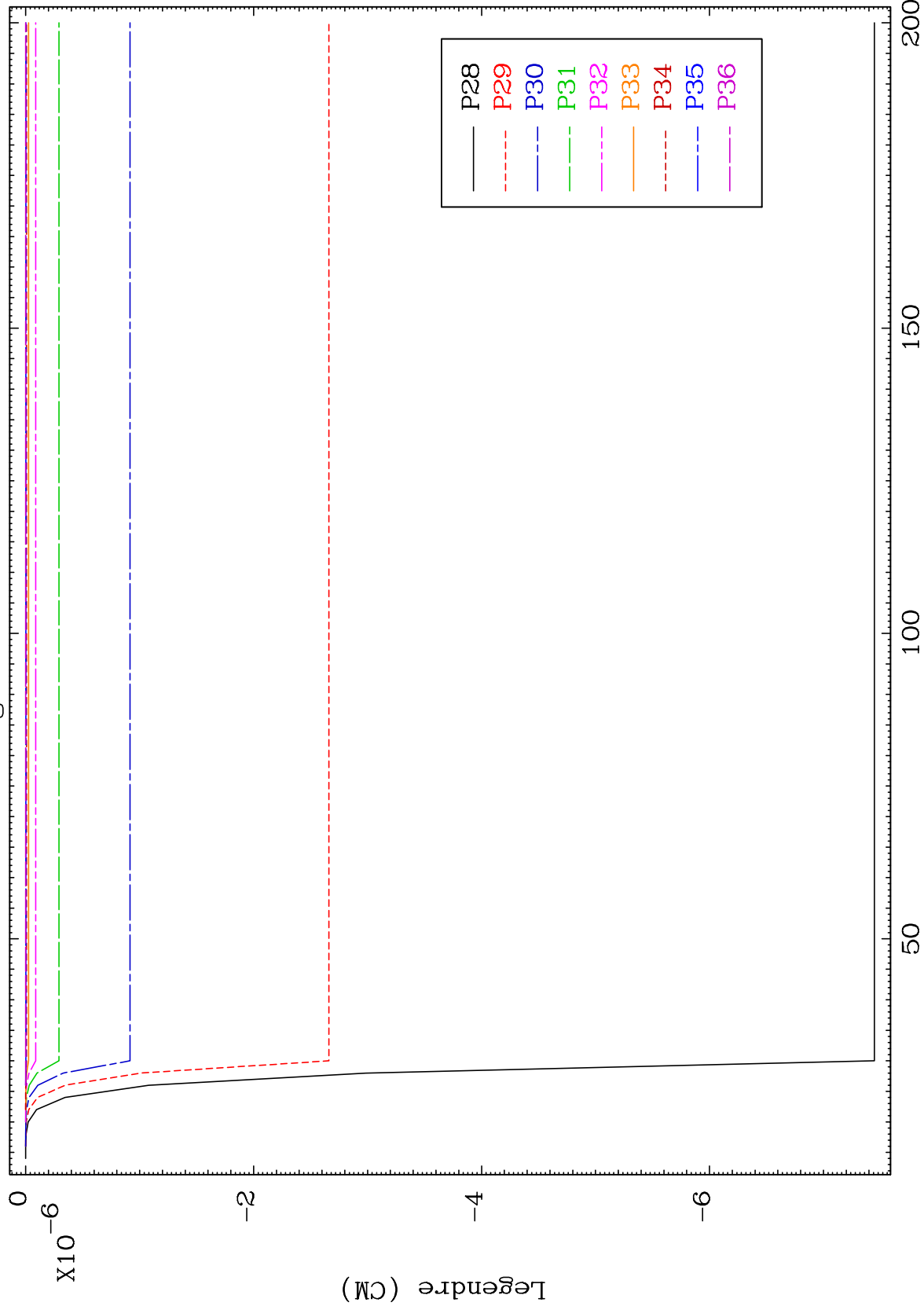
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

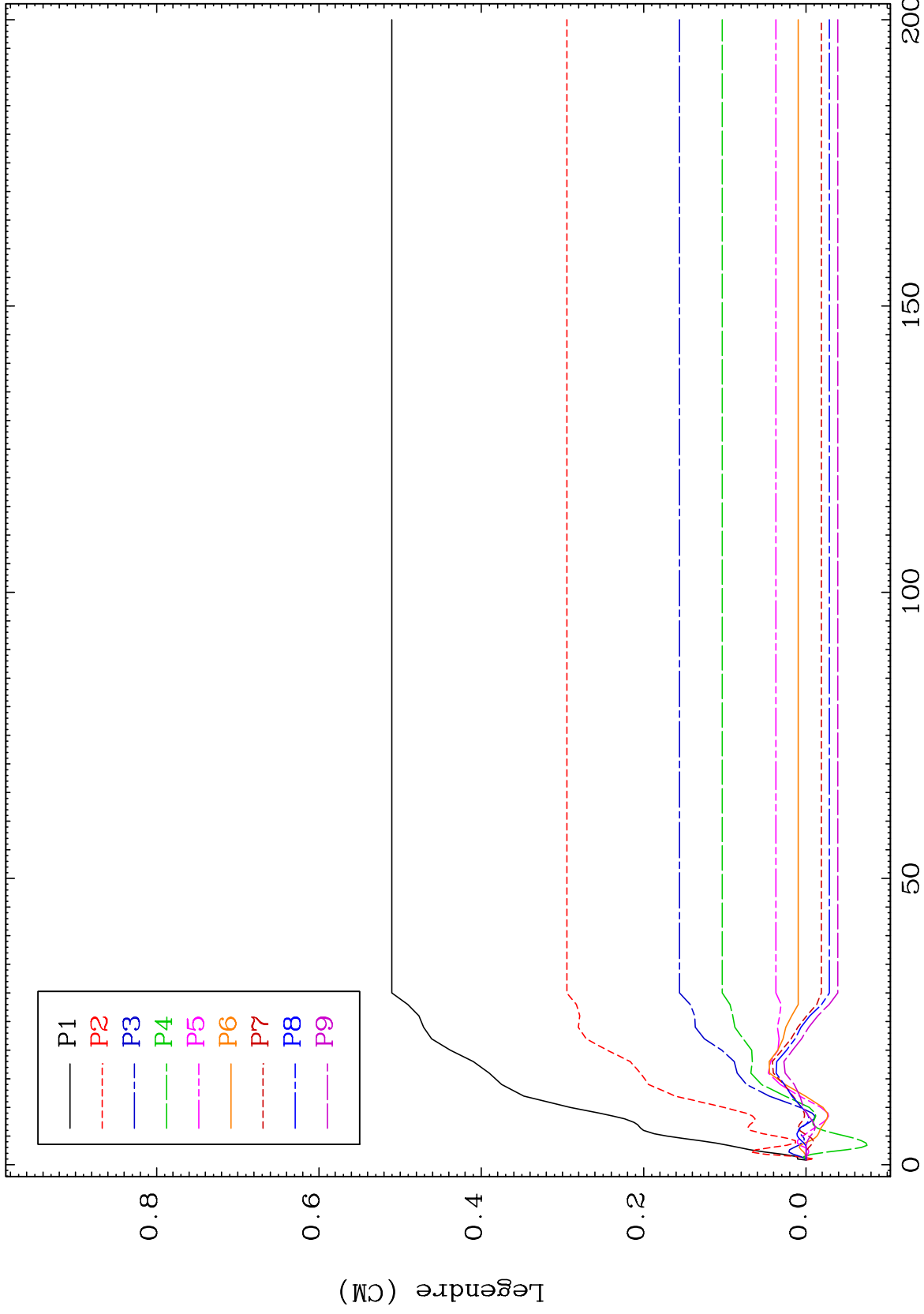
63-Eu-149



MAT 6319

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

63-Eu-149



52

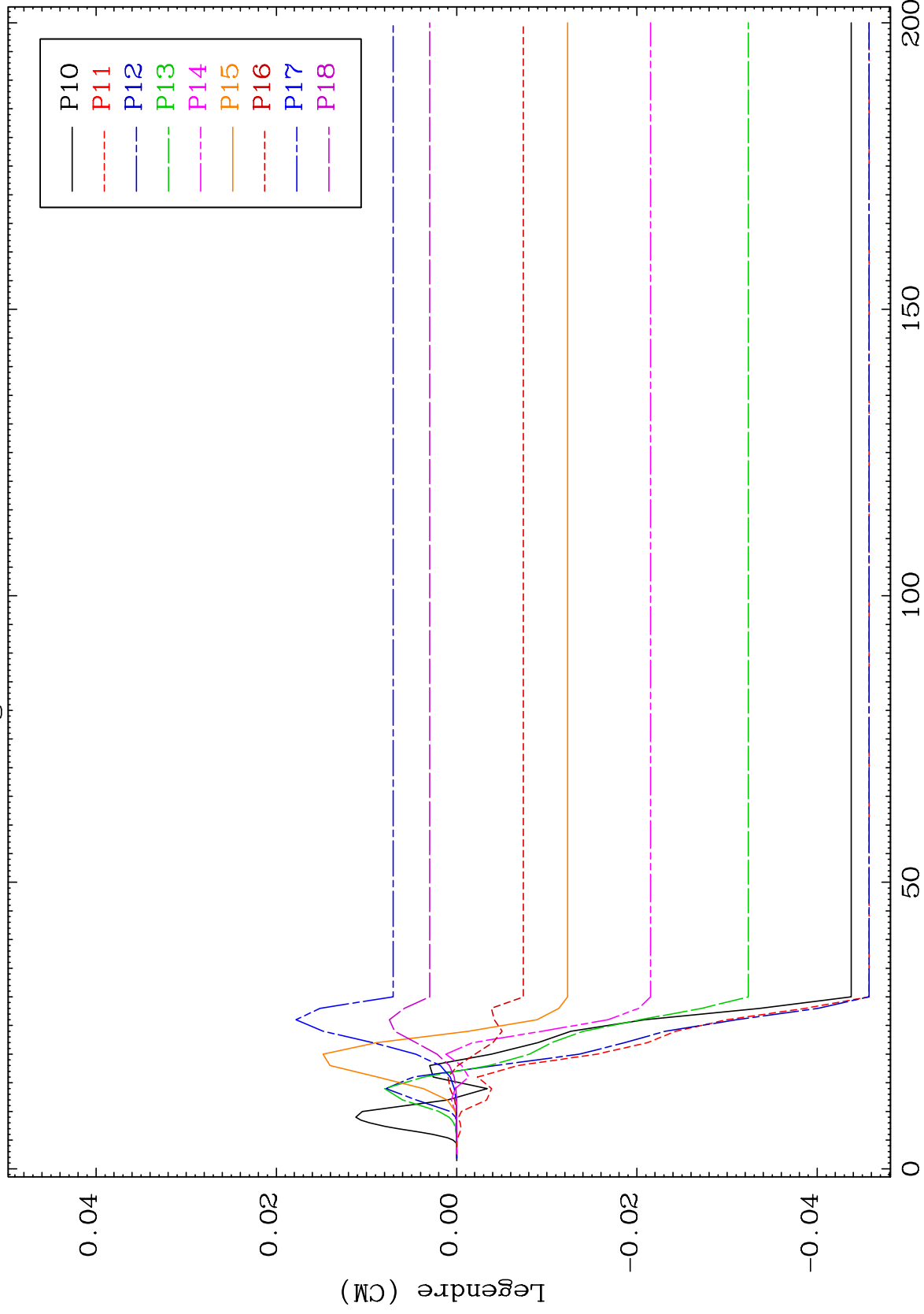
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



53

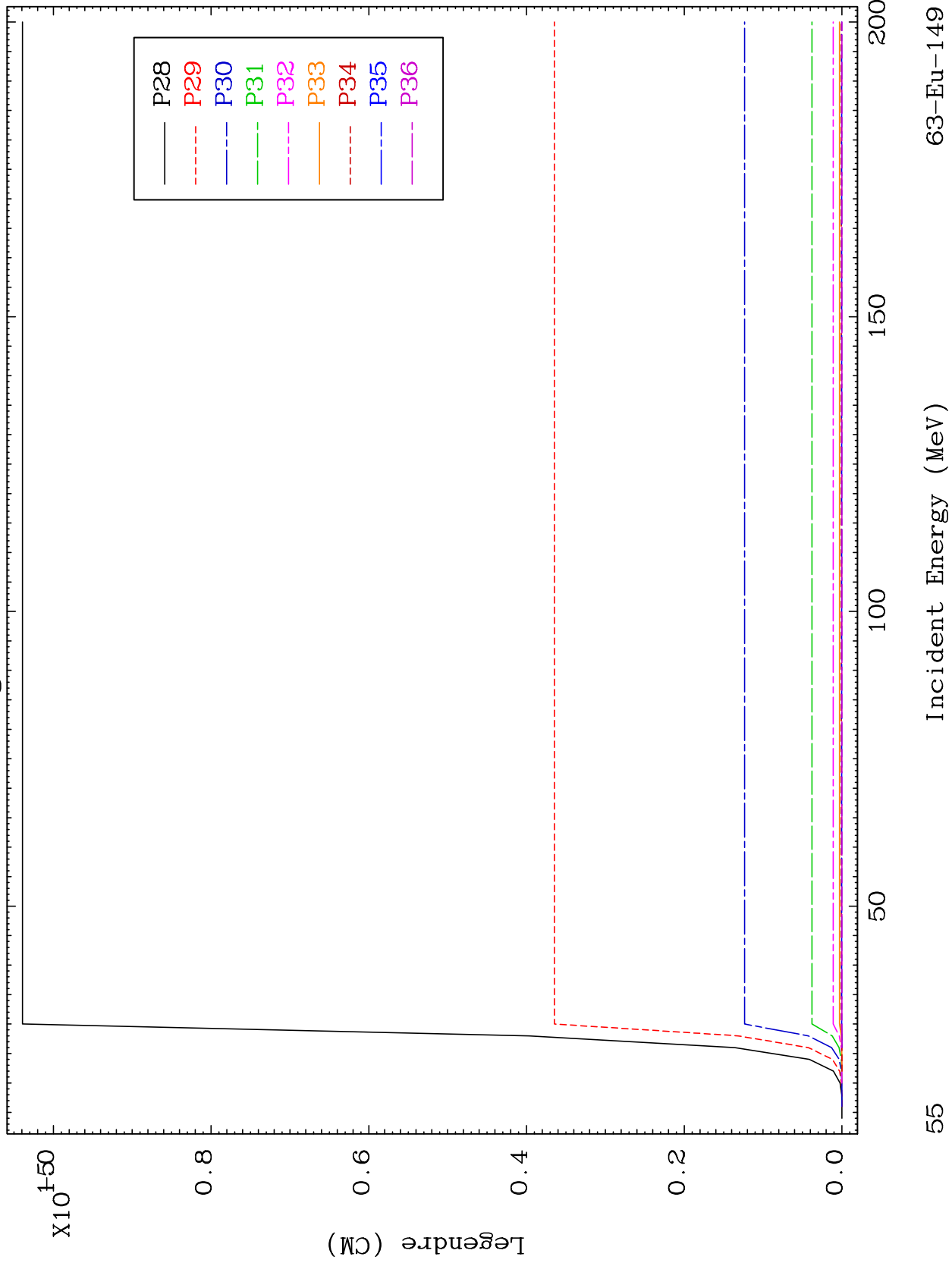
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



55

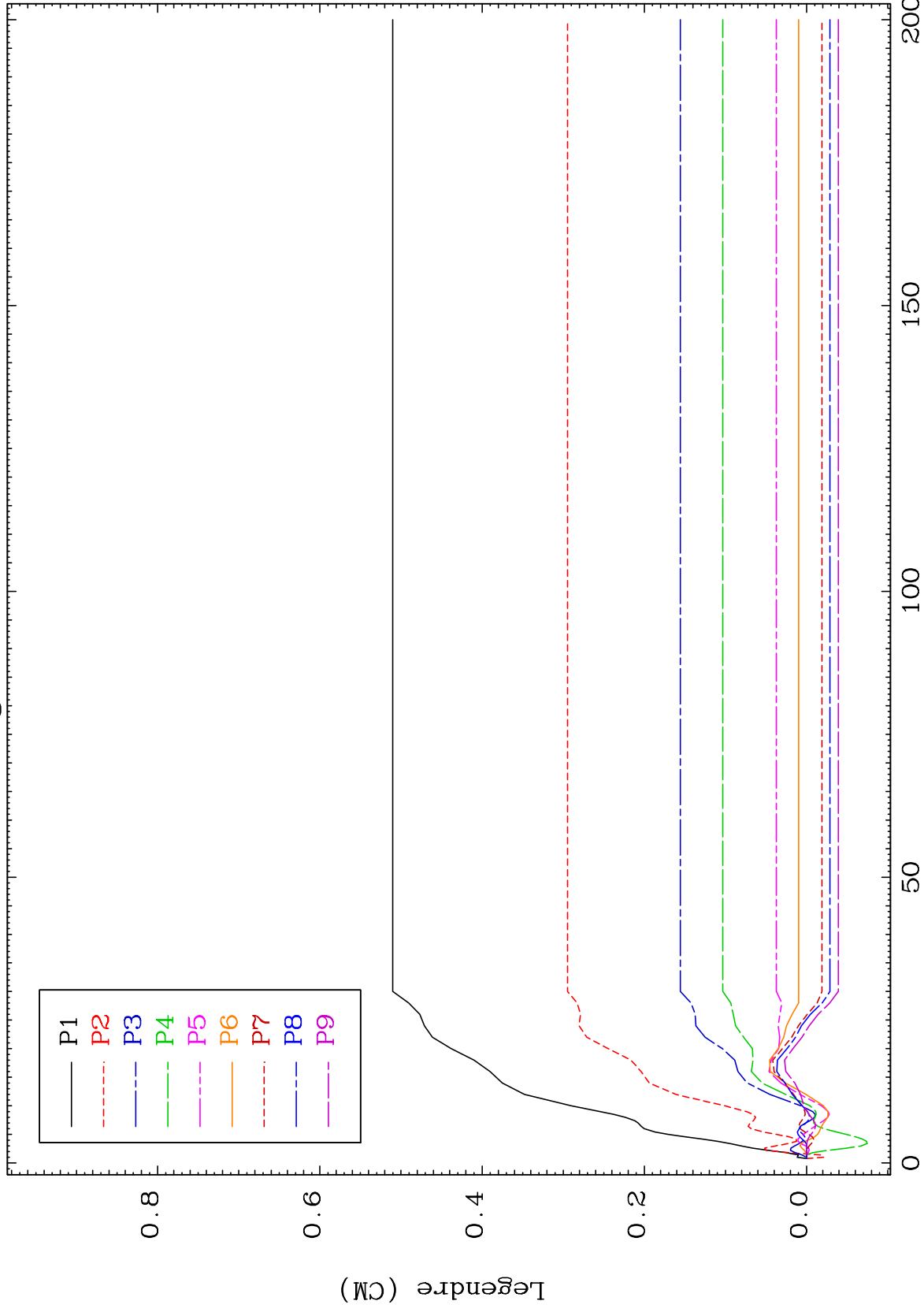
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



56

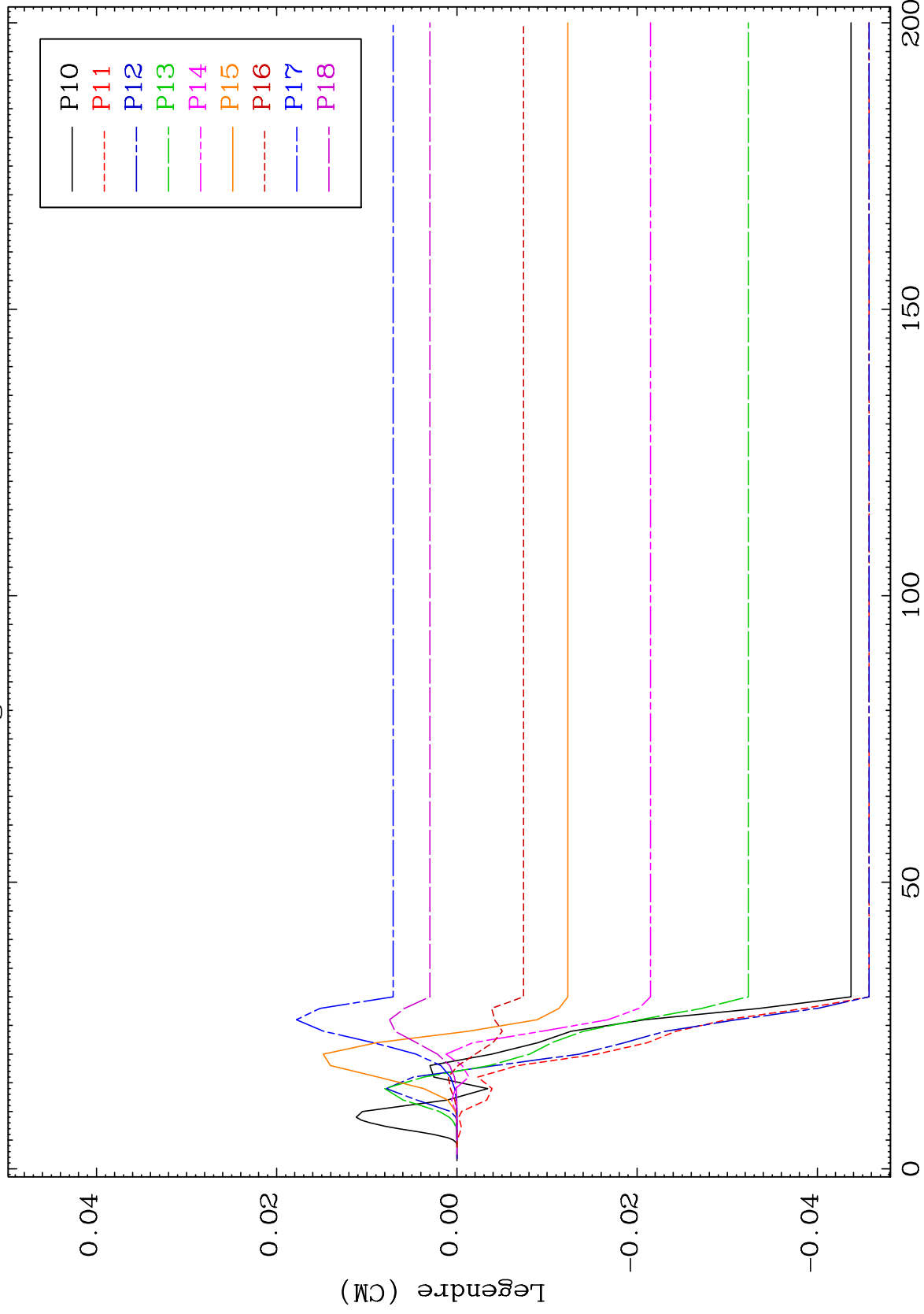
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



57

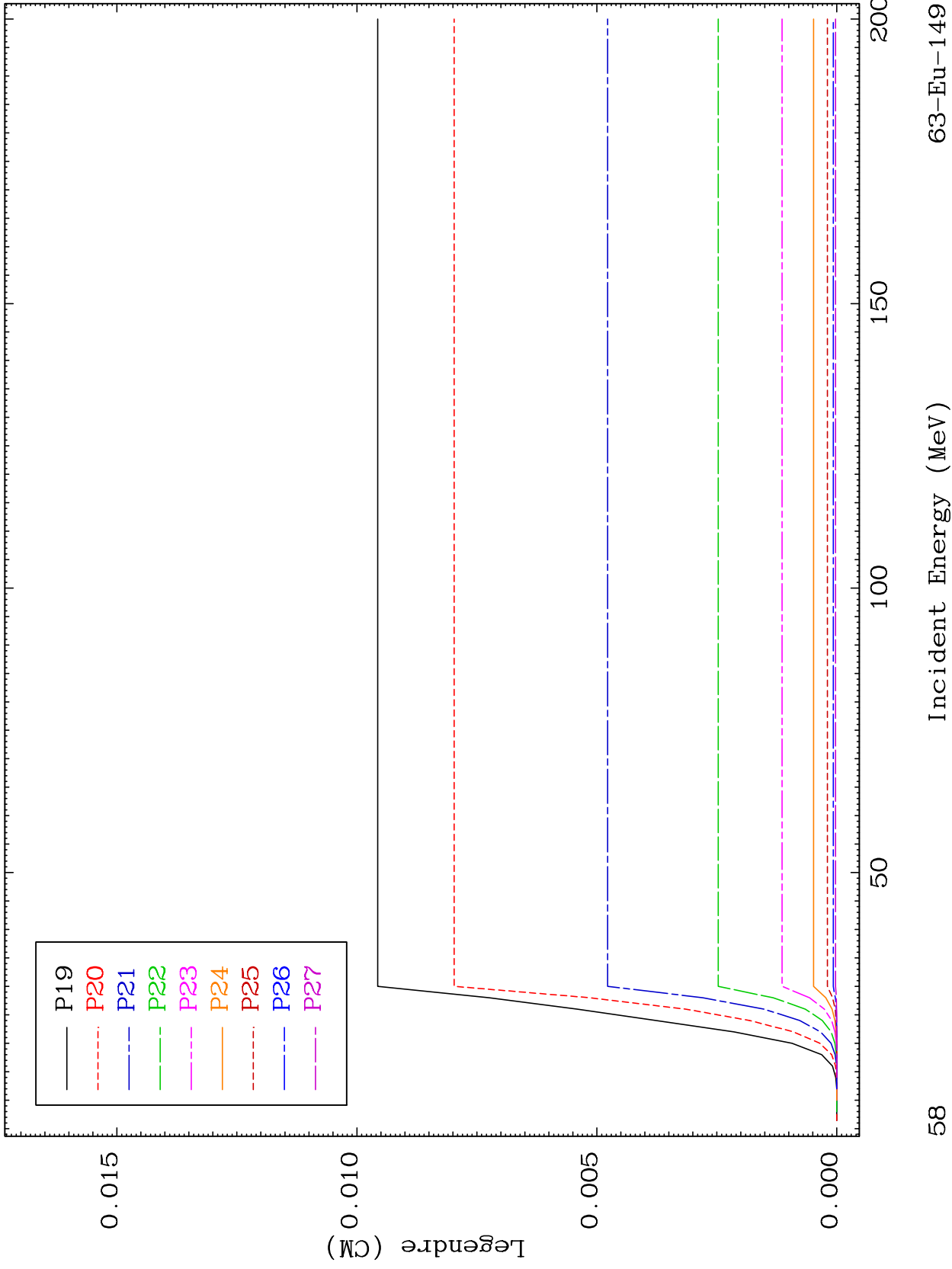
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



58

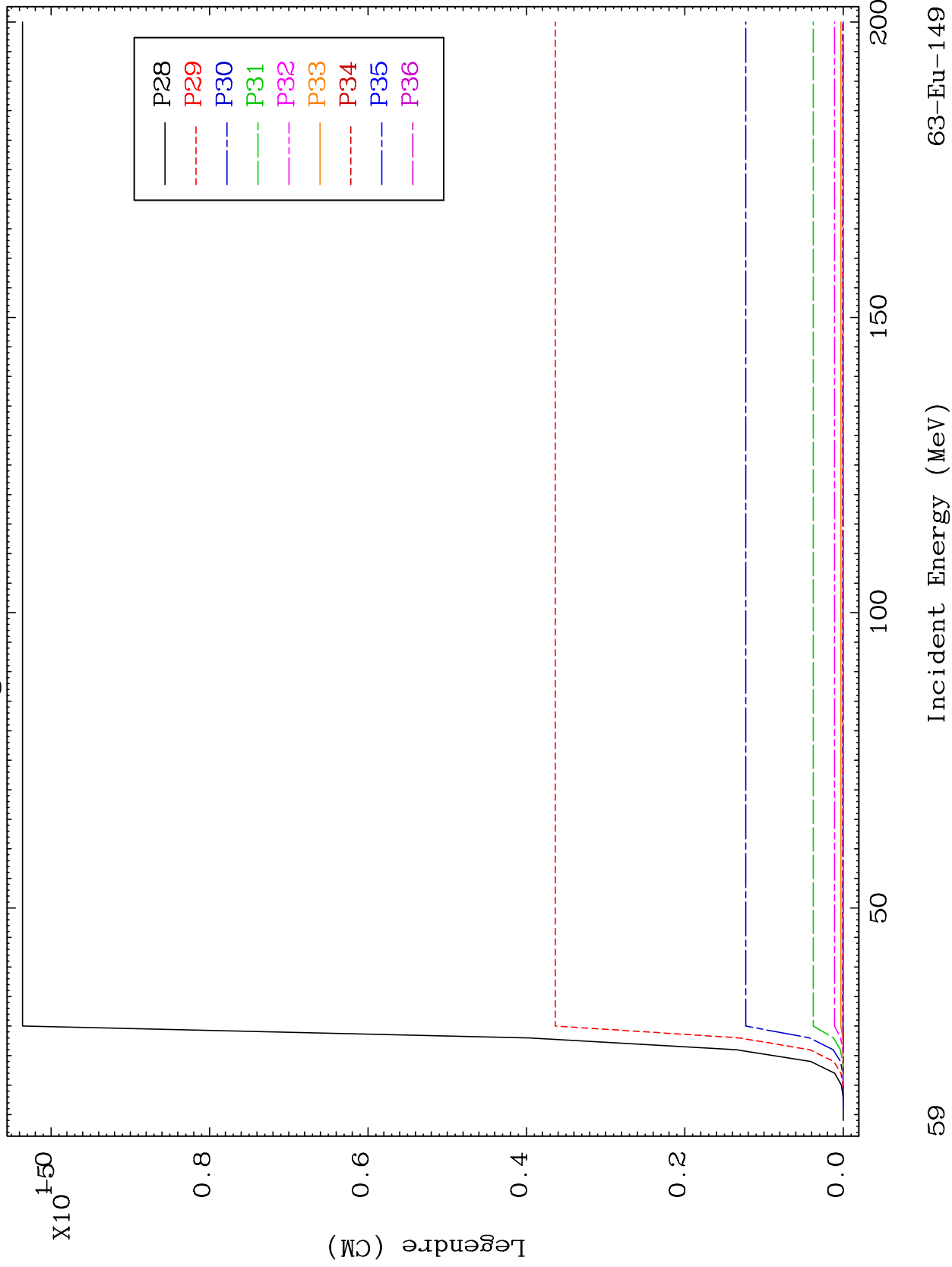
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

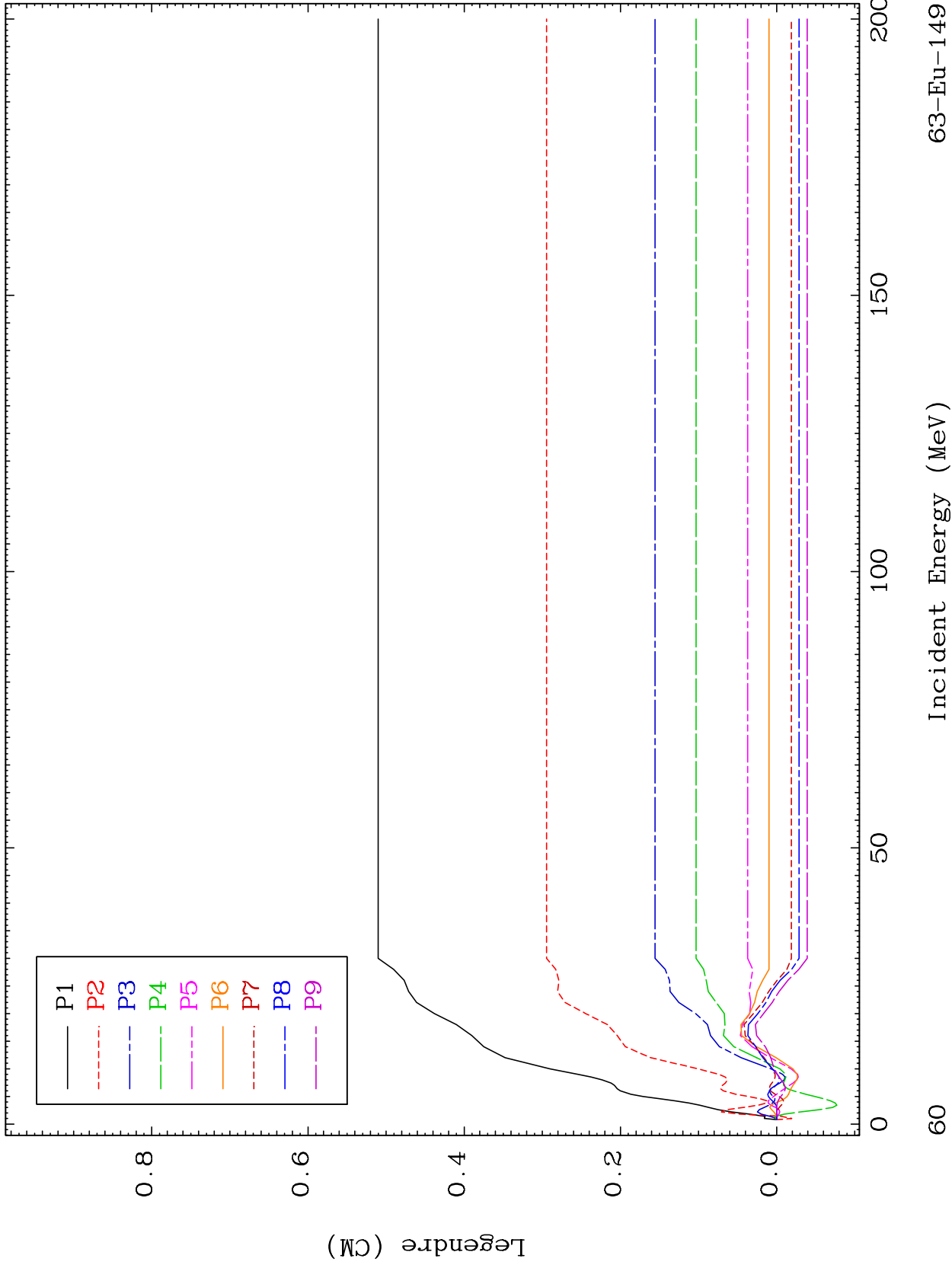
63-Eu-149



MAT 6319

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

63-Eu-149

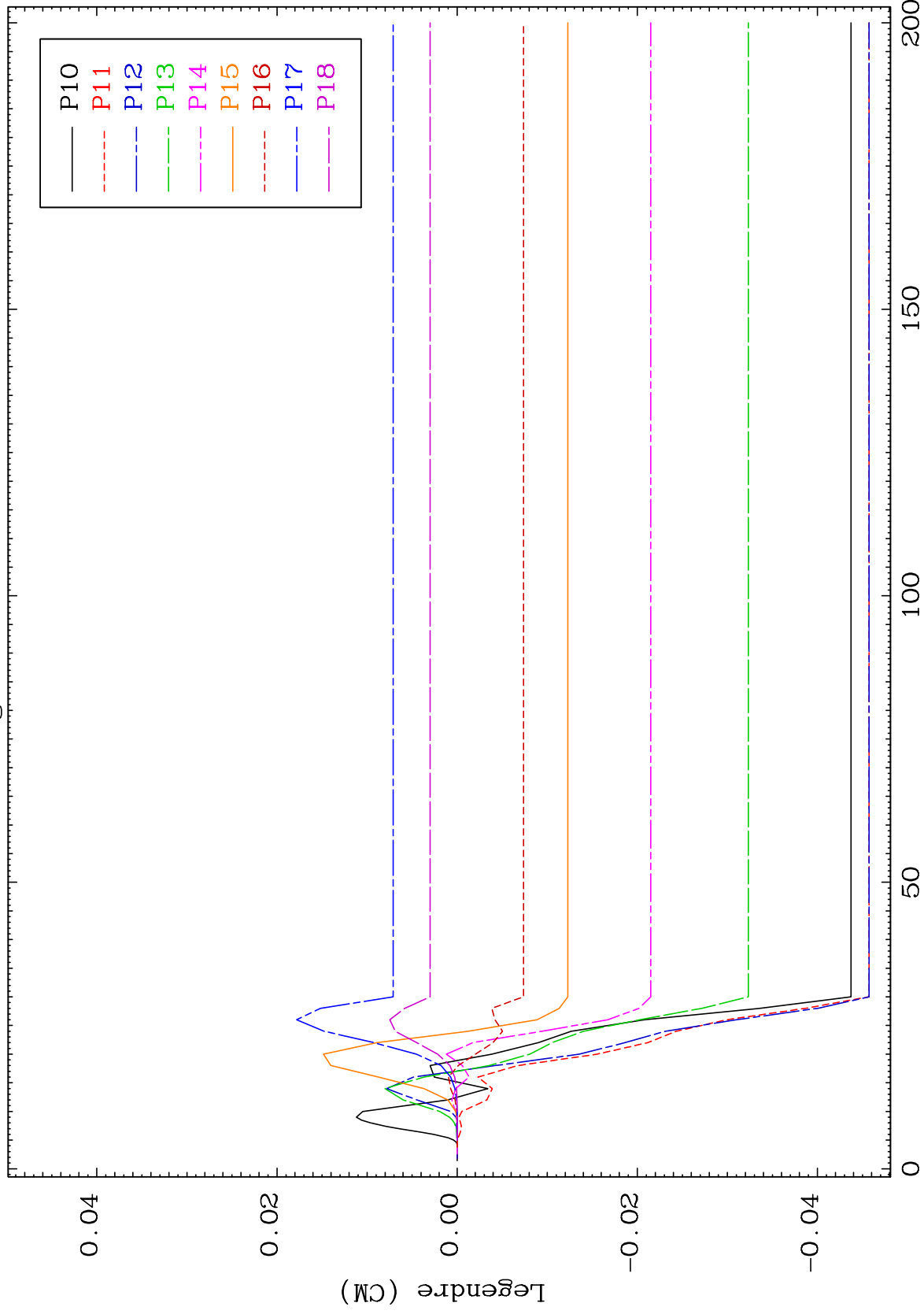


63-Eu-149

MAT 6319

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

63-Eu-149



61

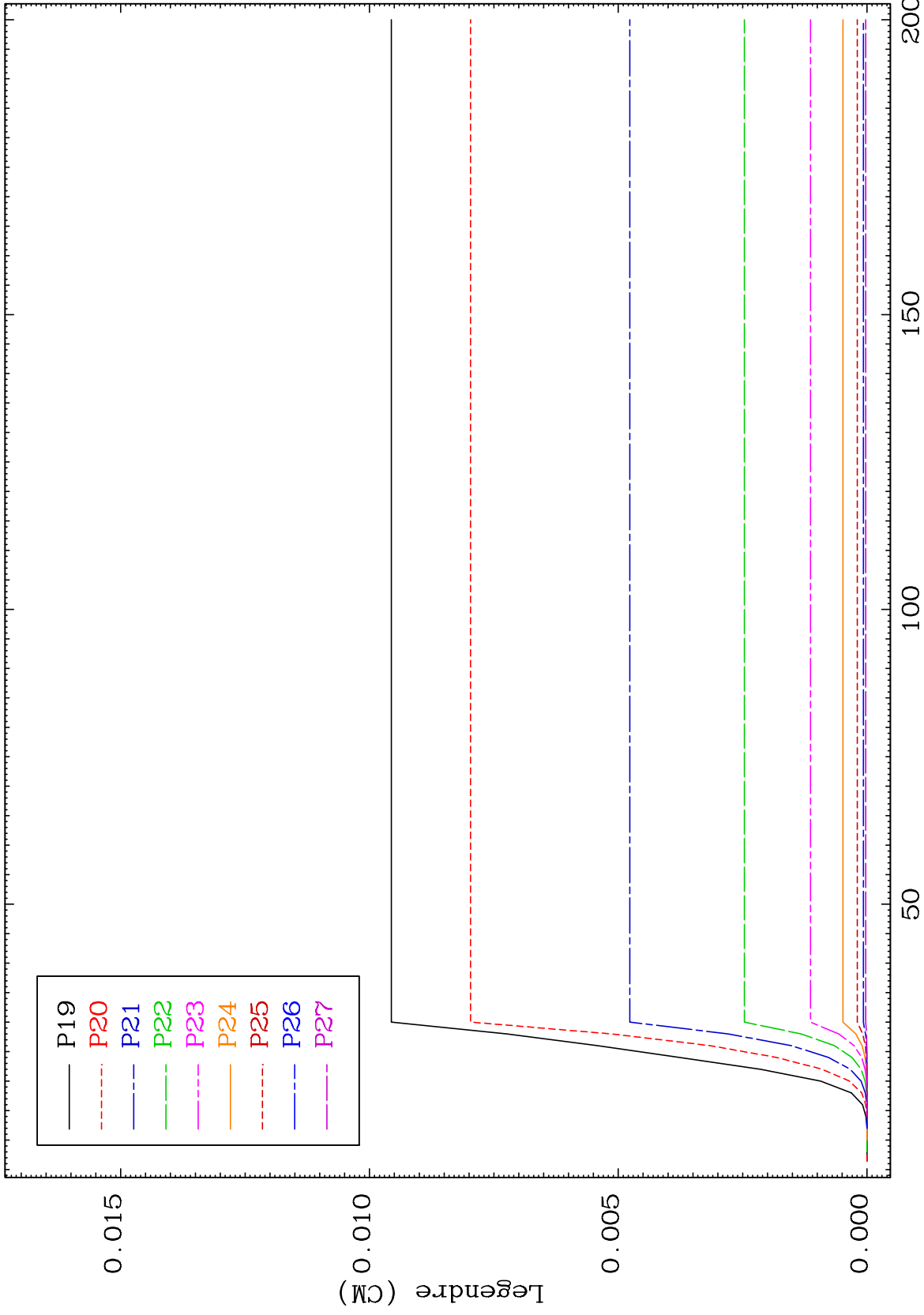
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



62

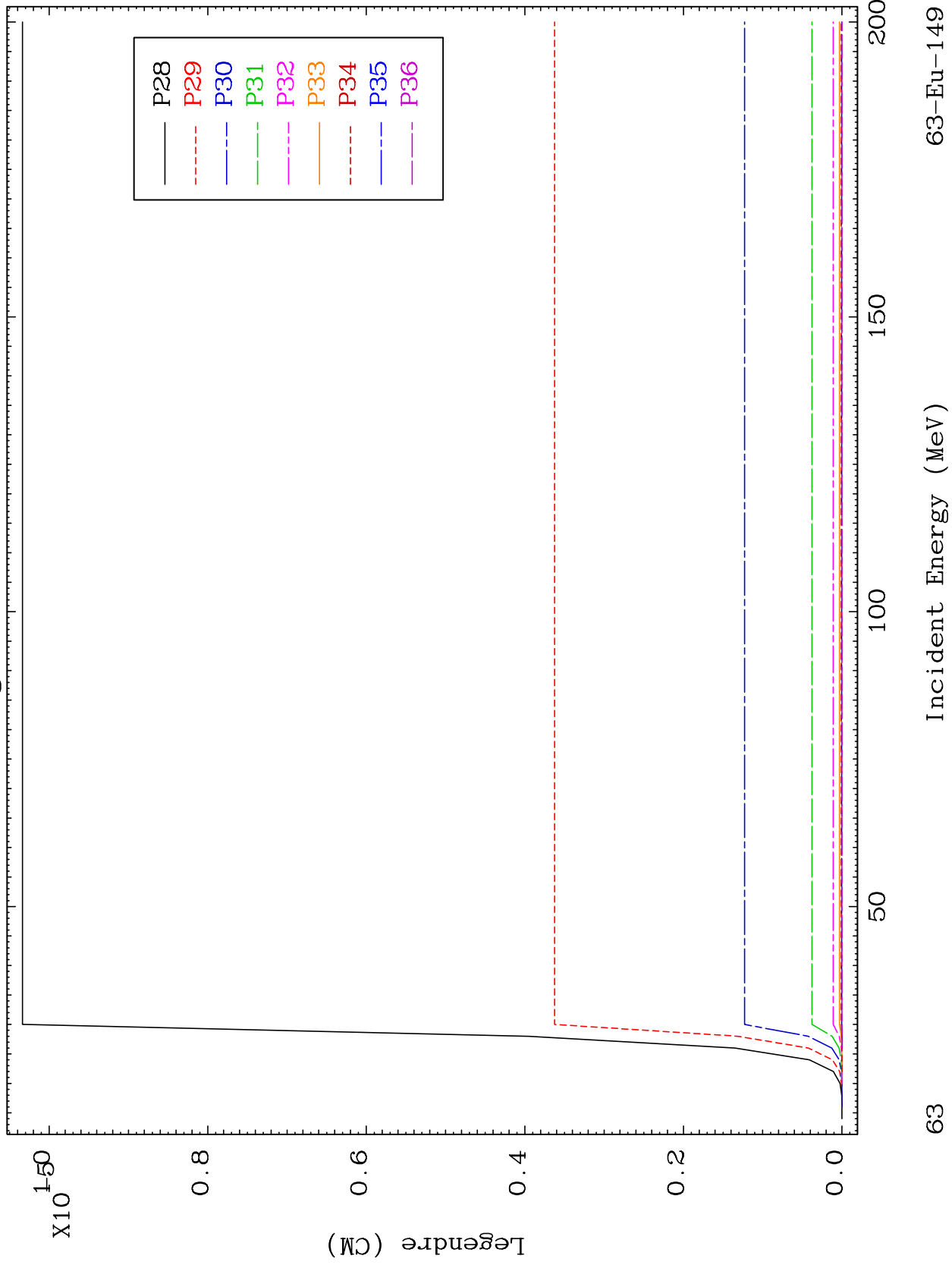
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

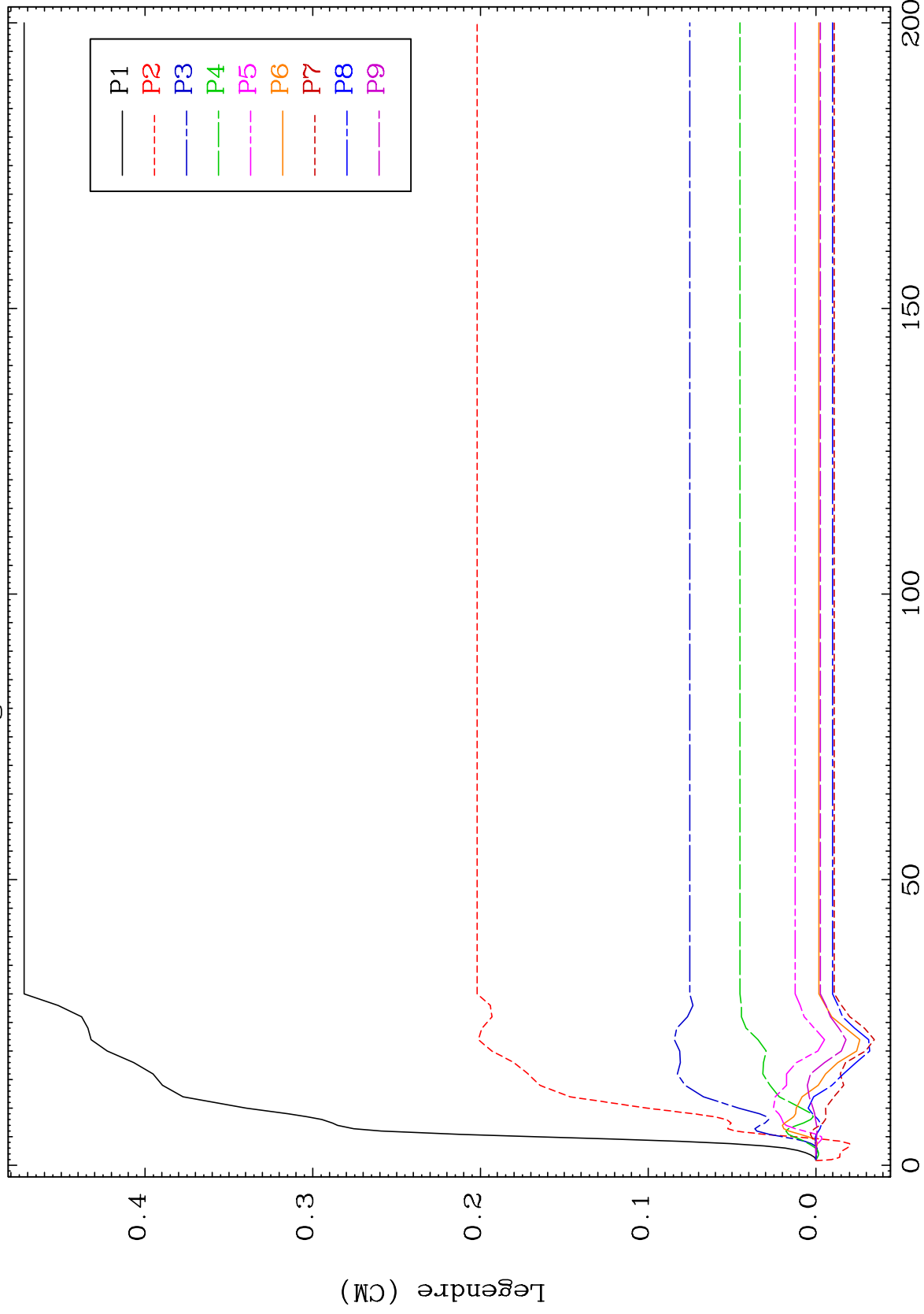
63-Eu-149



MAT 6319

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

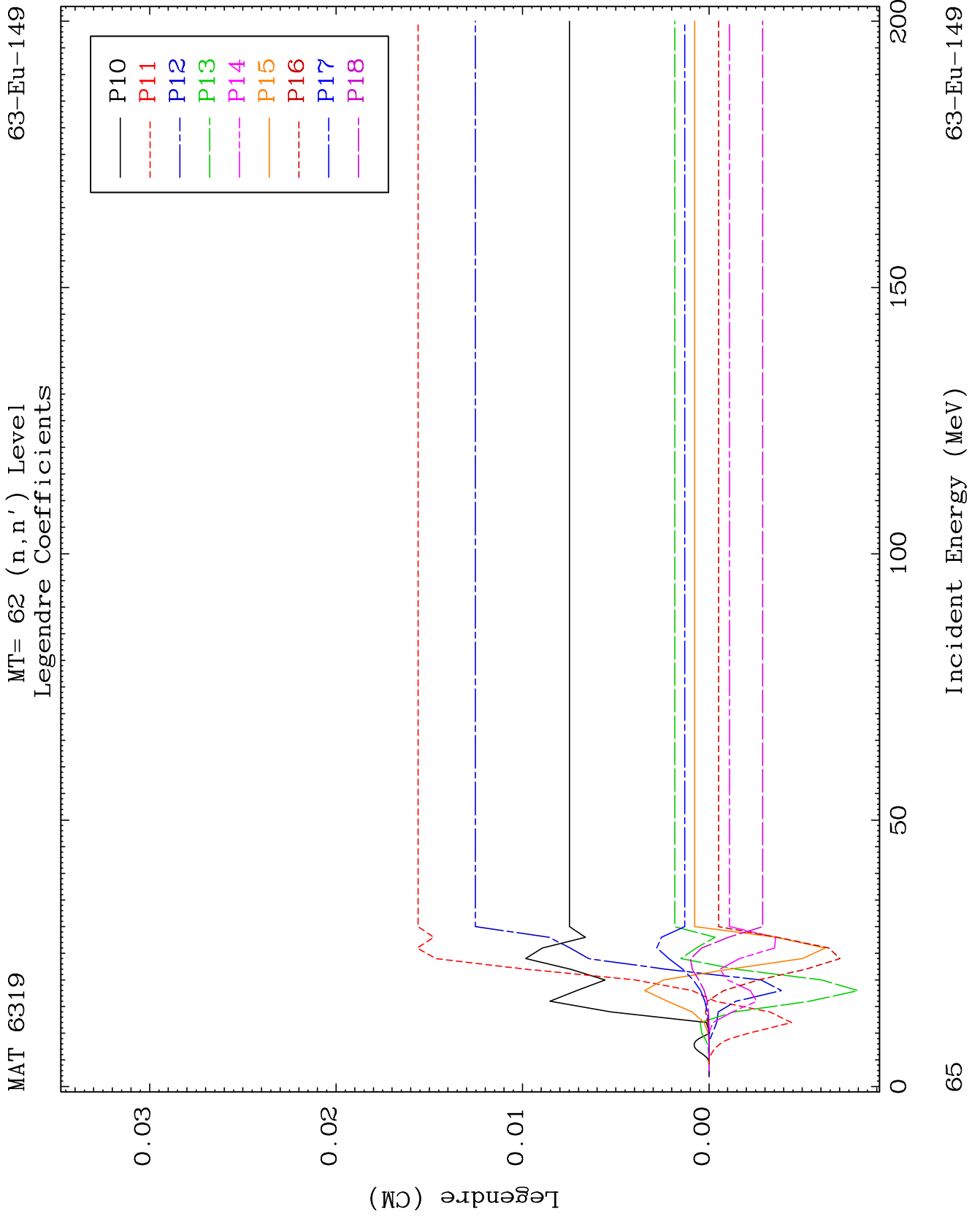
63-Eu-149

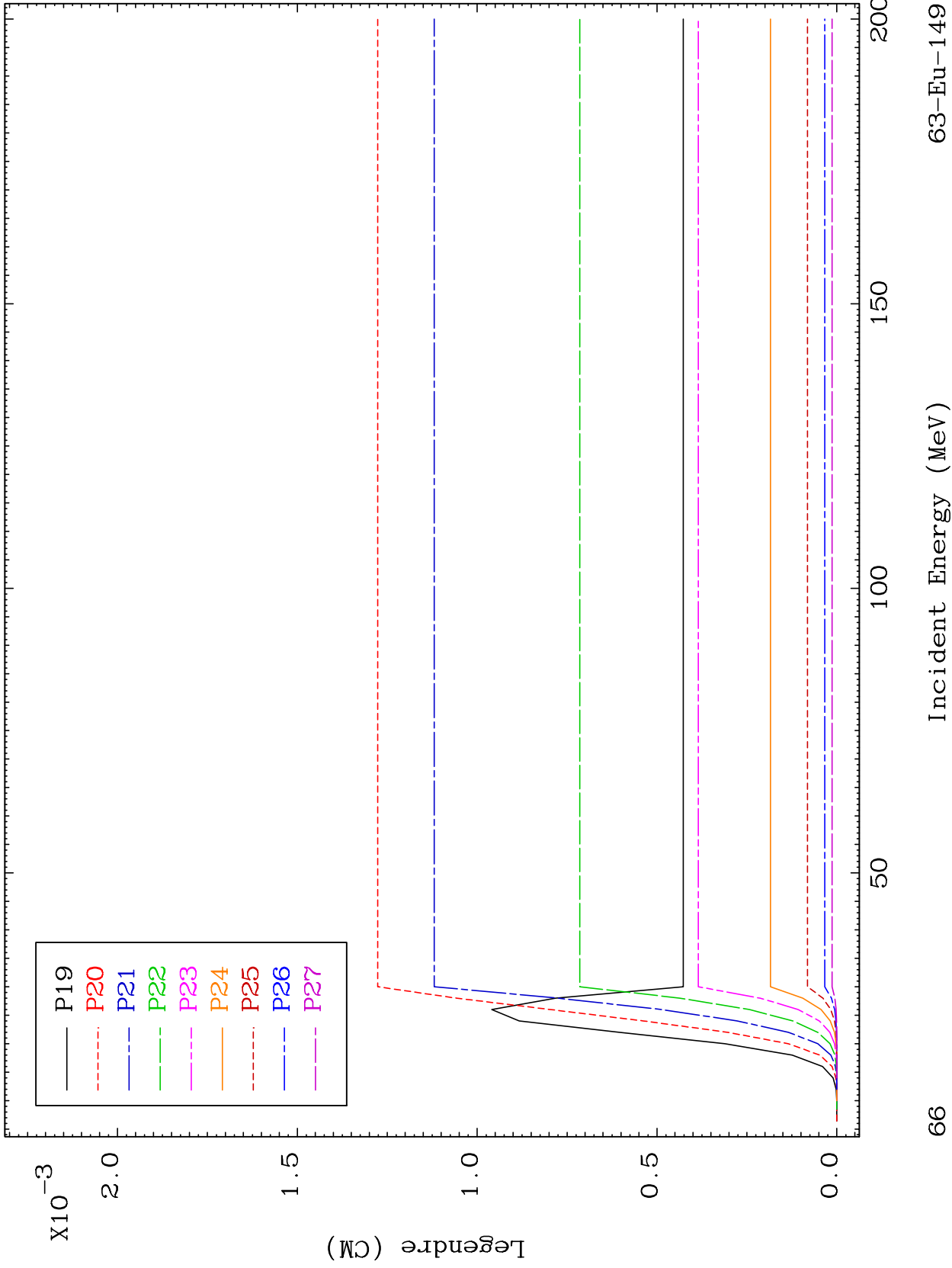


64

Incident Energy (MeV)

63-Eu-149

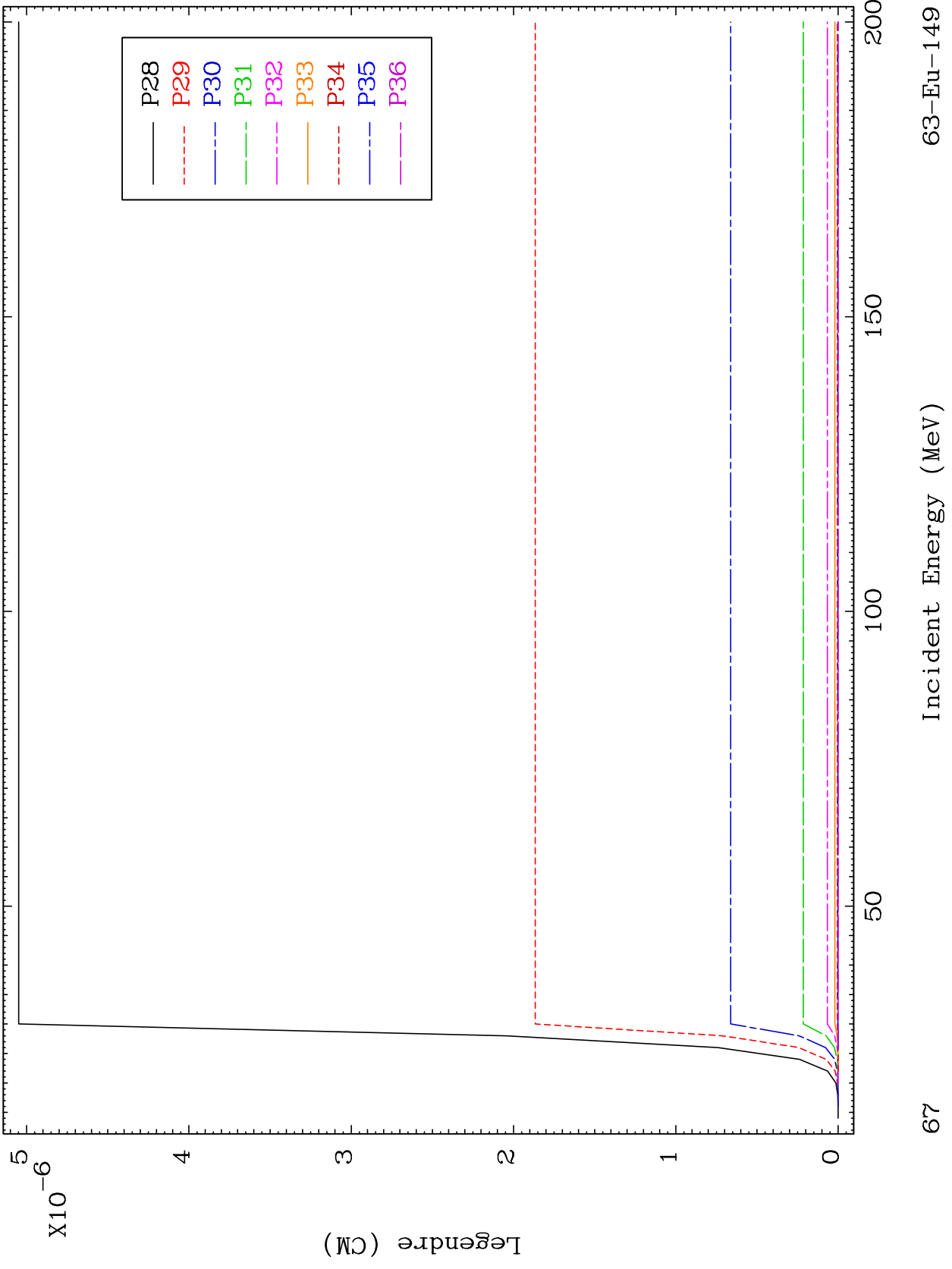




MAT 6319

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

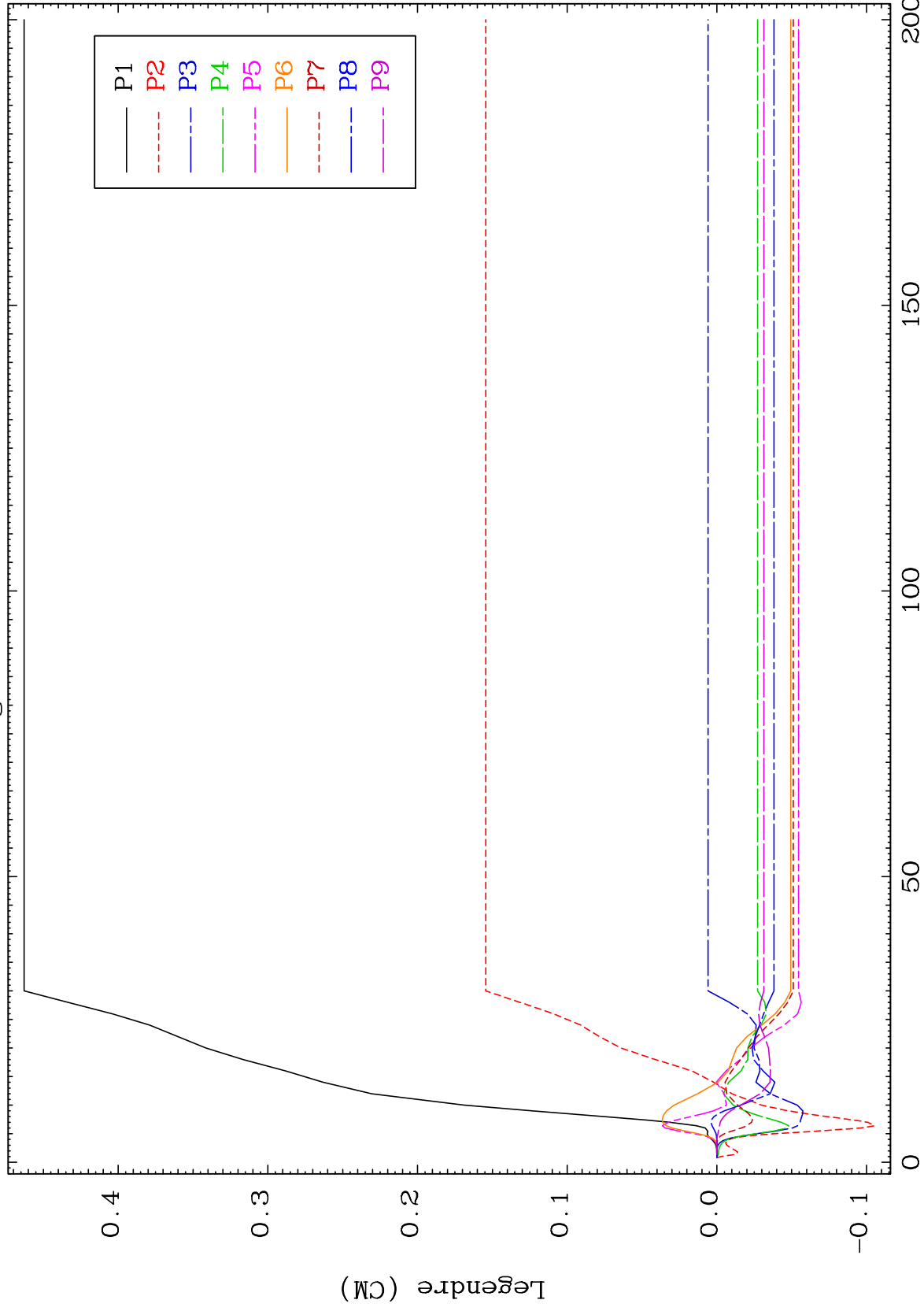
63-Eu-149



MAT 6319

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

63-Eu-149



68

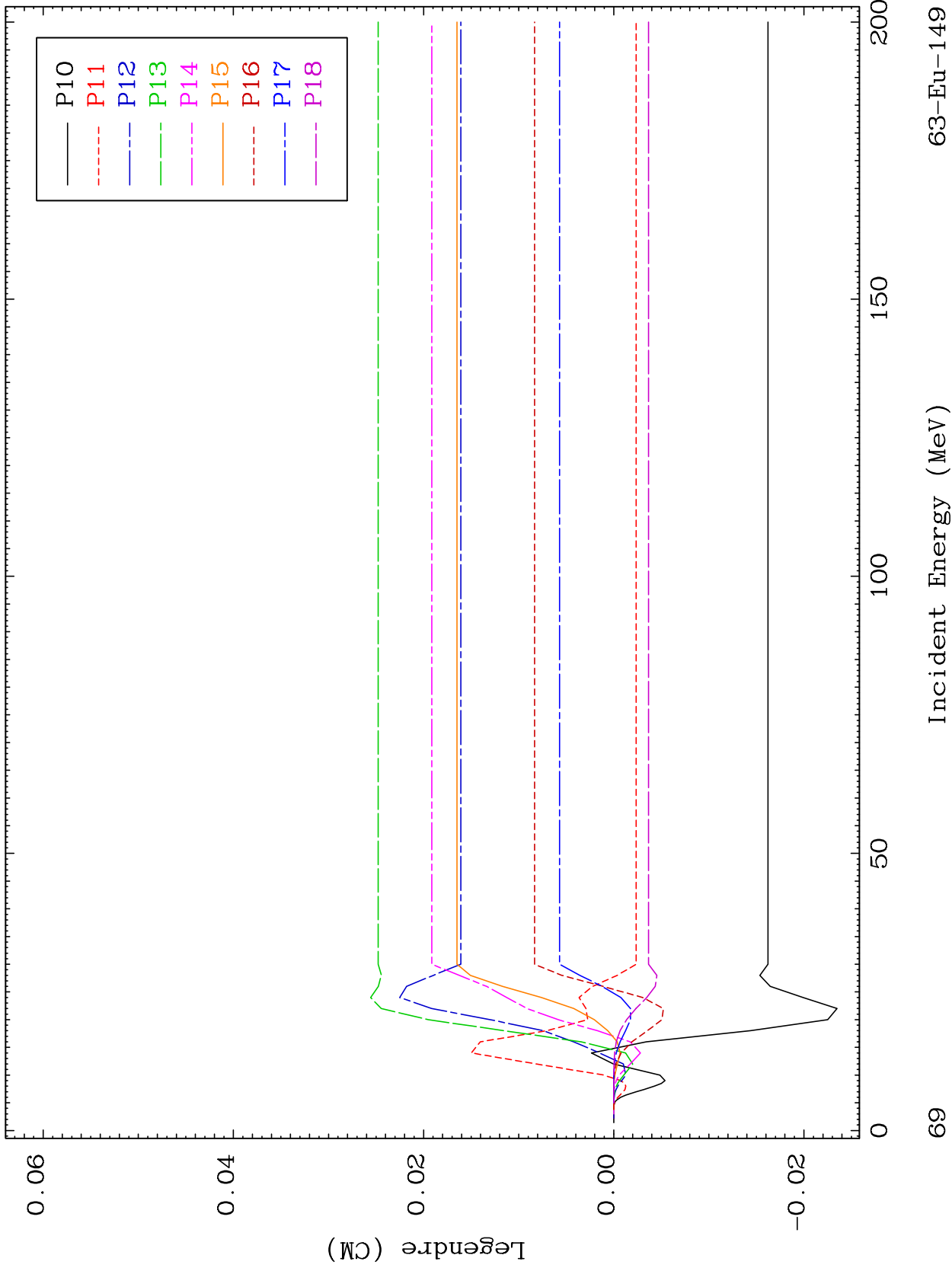
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



63-Eu-149

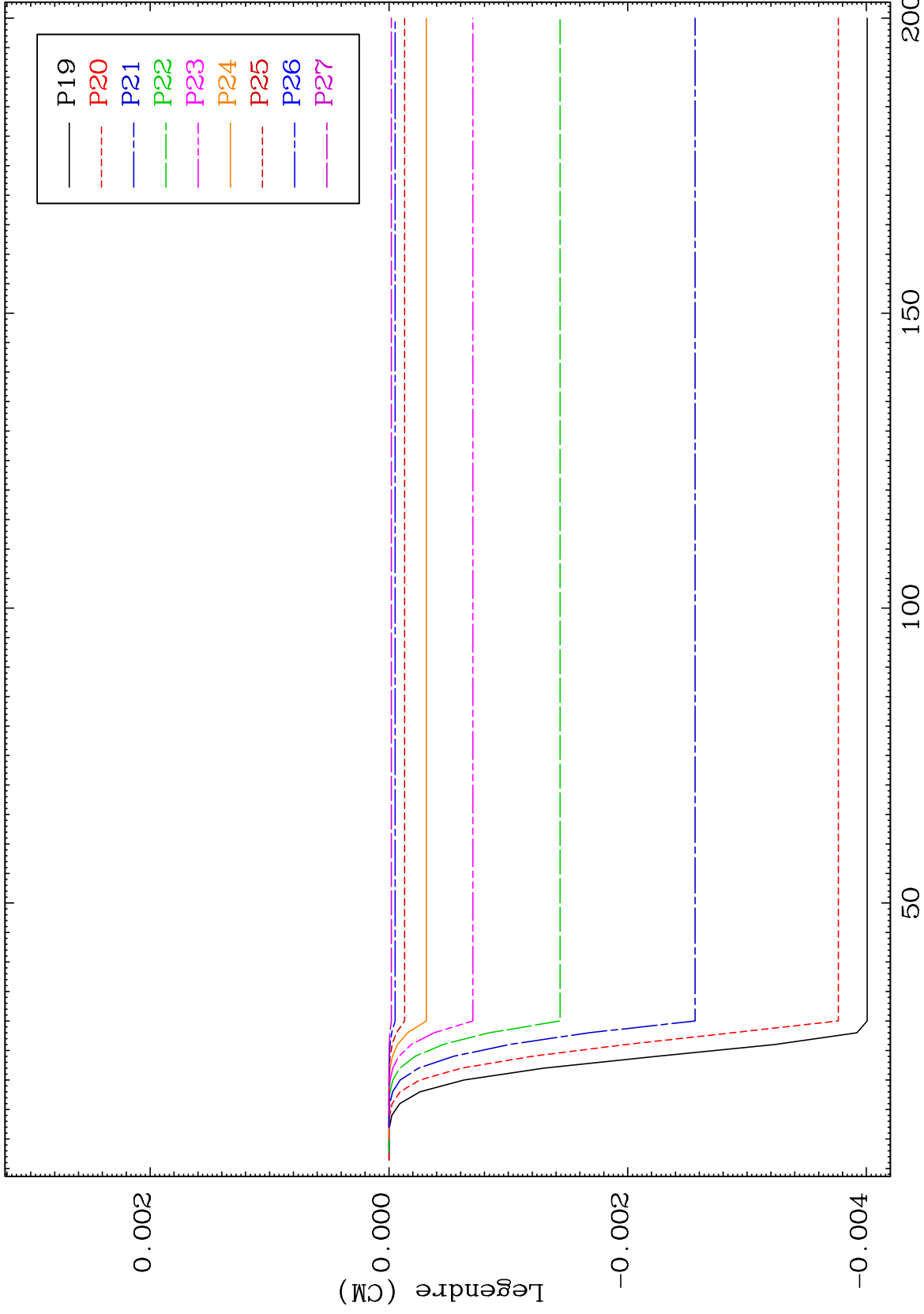
Incident Energy (MeV)

69

MAT 6319

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

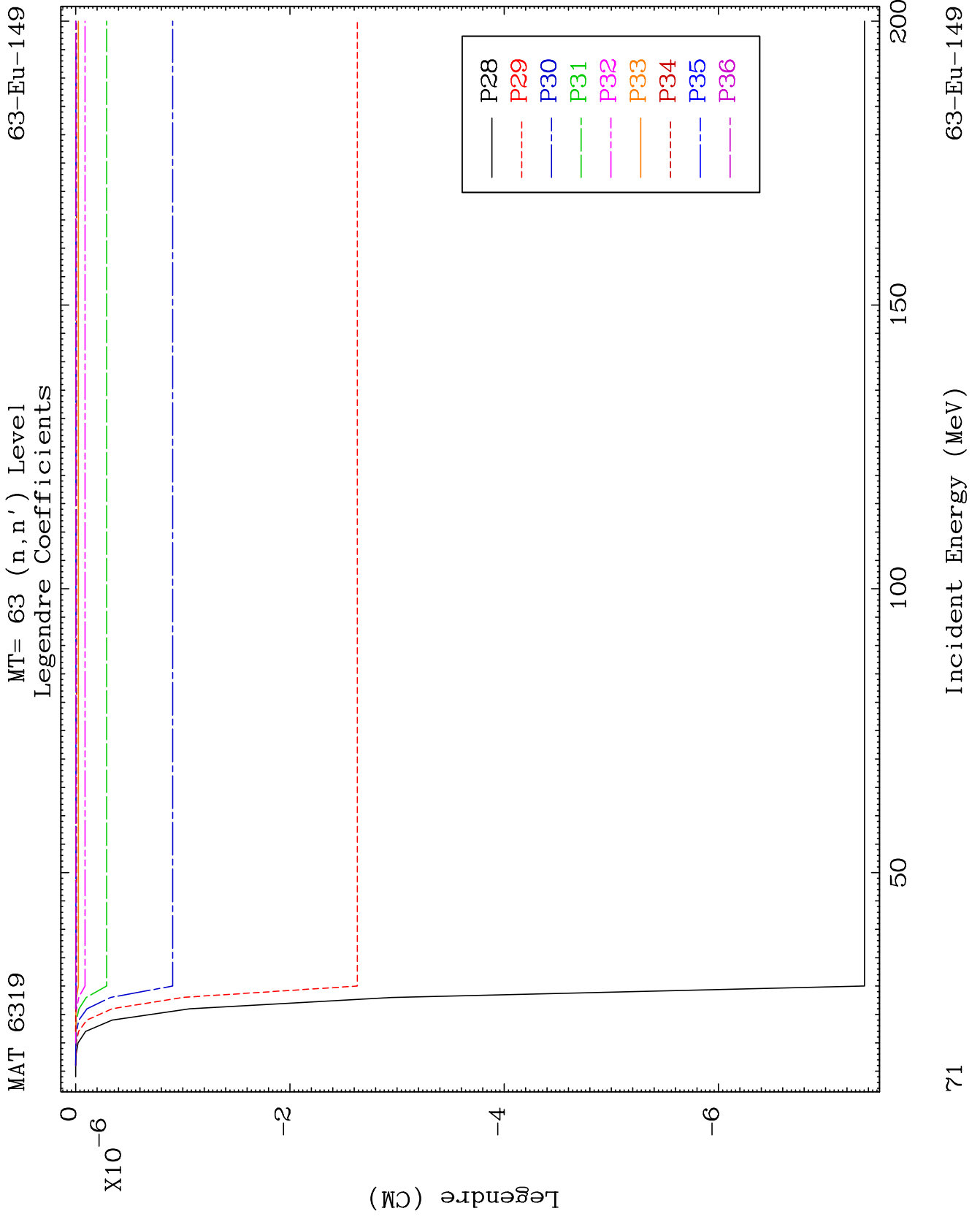
63-Eu-149



70

Incident Energy (MeV)

63-Eu-149

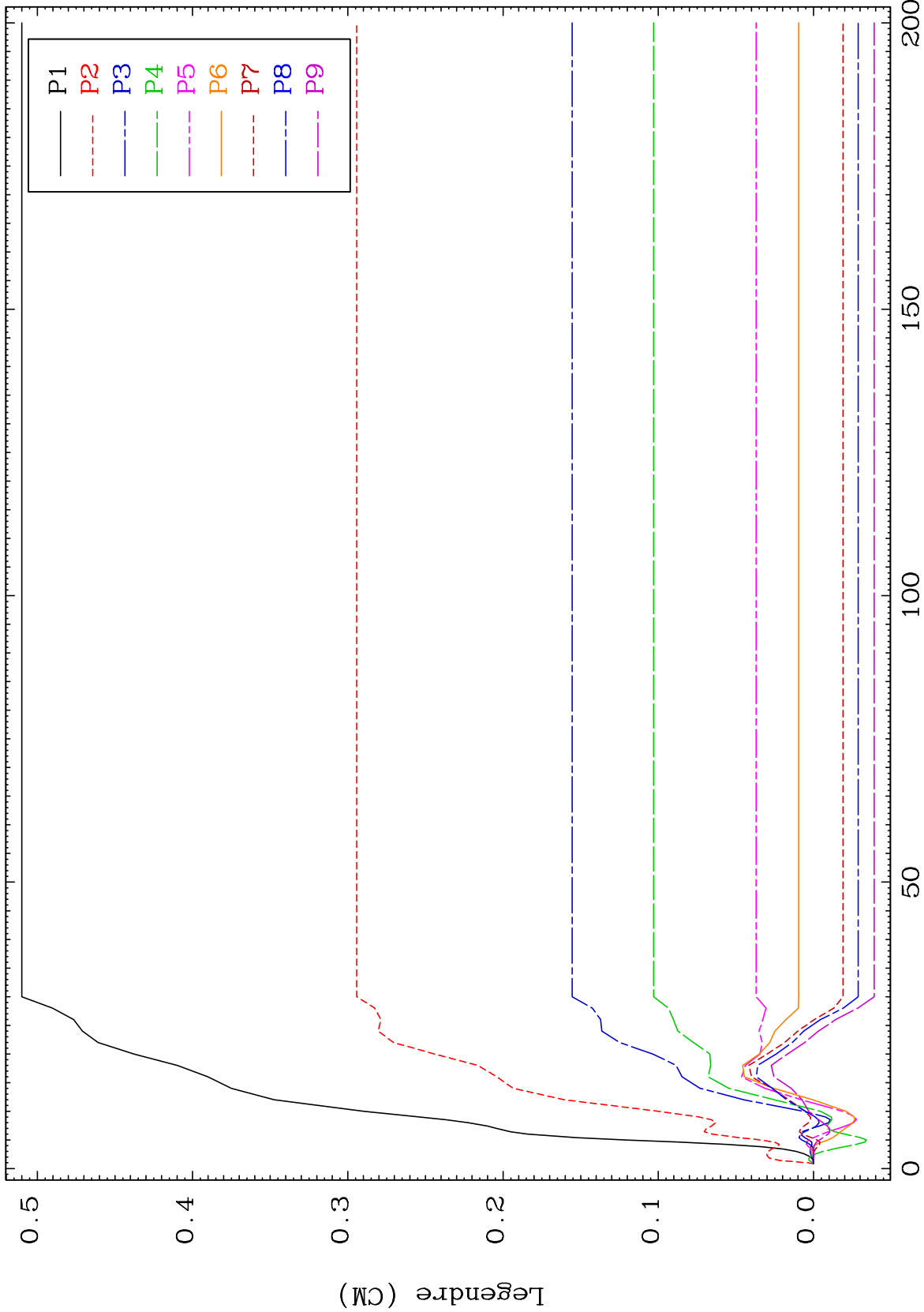


MAT 6319

MT= 64 (n,n') Level

63-Eu-149

Legendre Coefficients



72

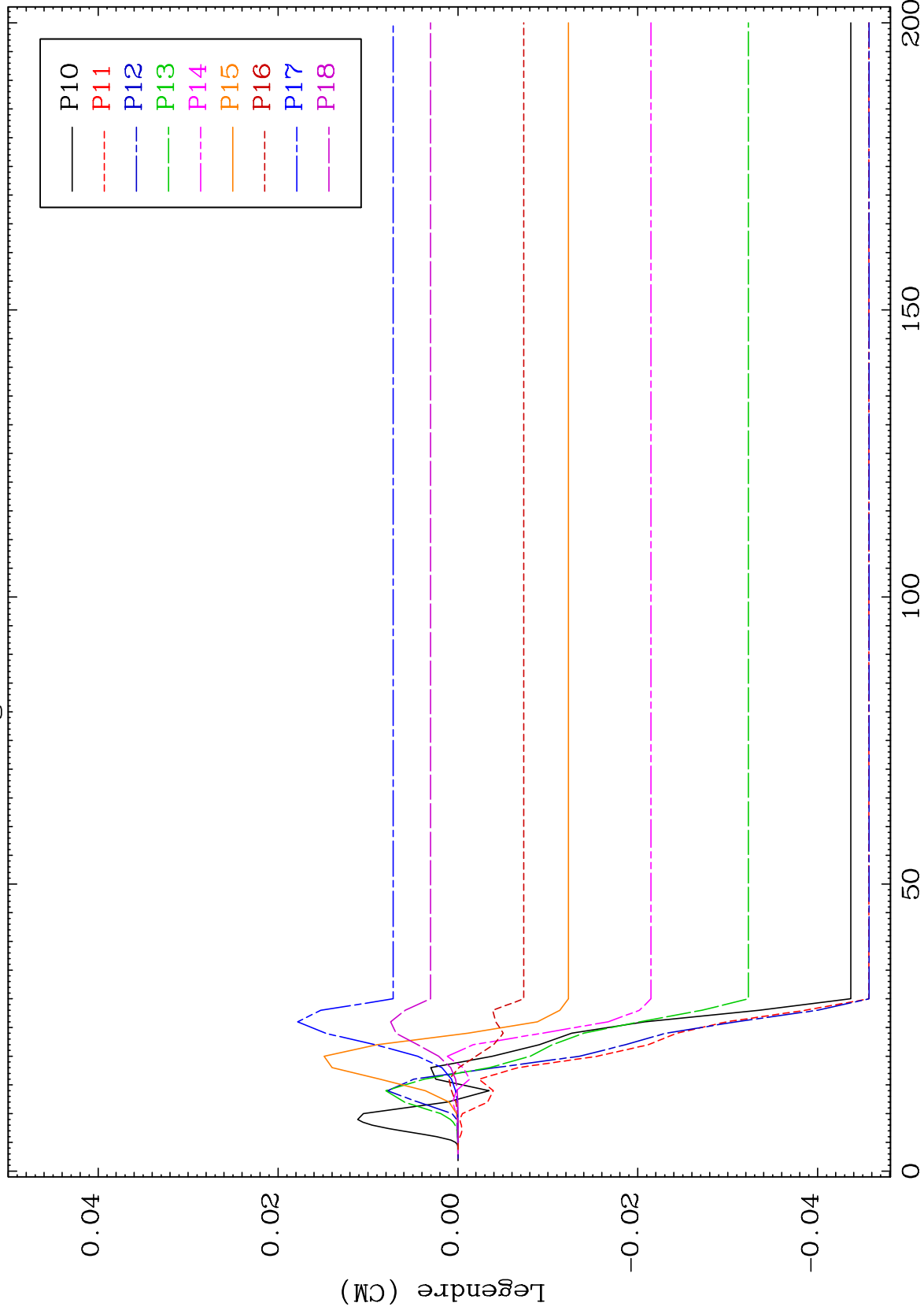
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



73

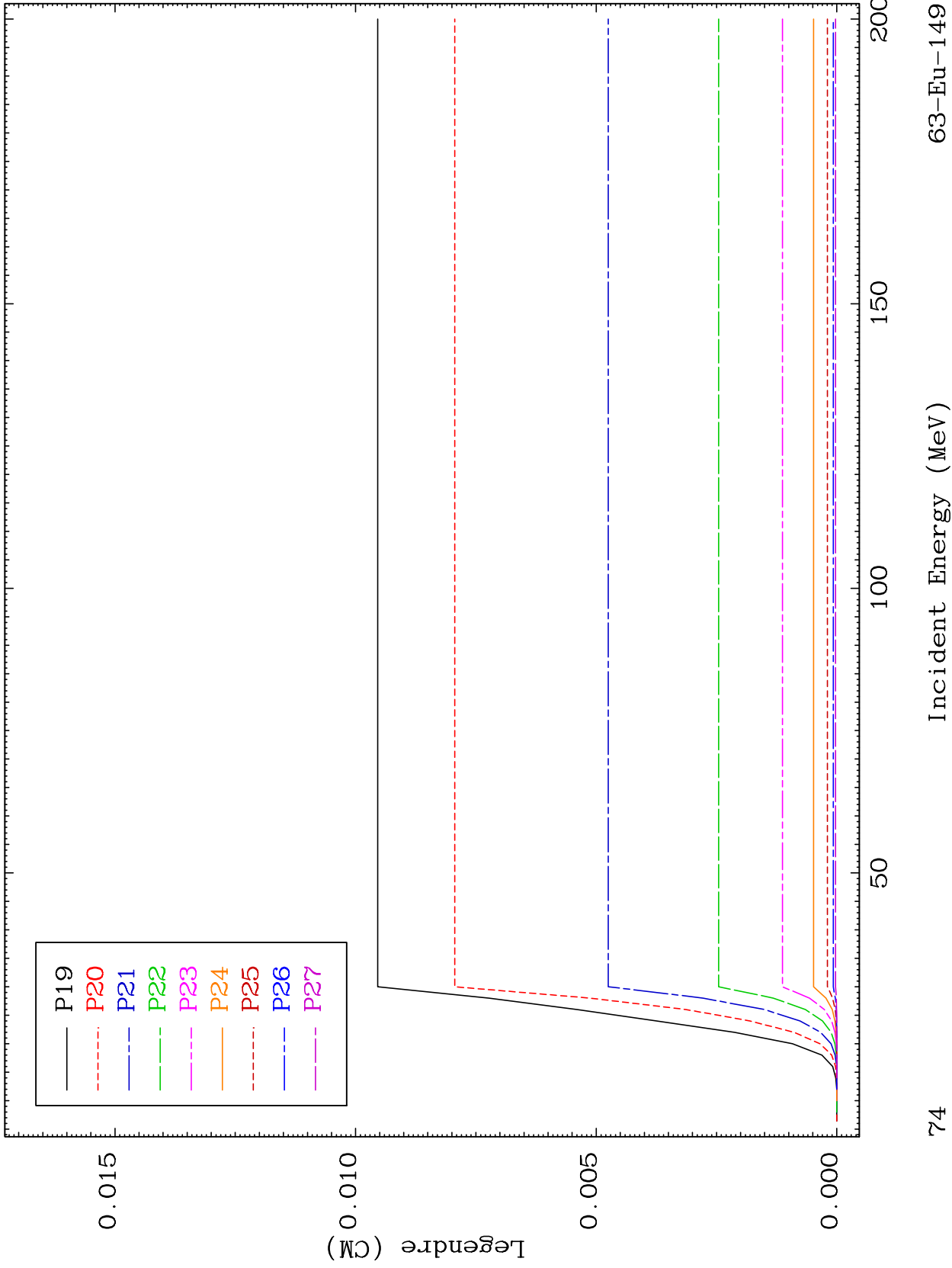
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



74

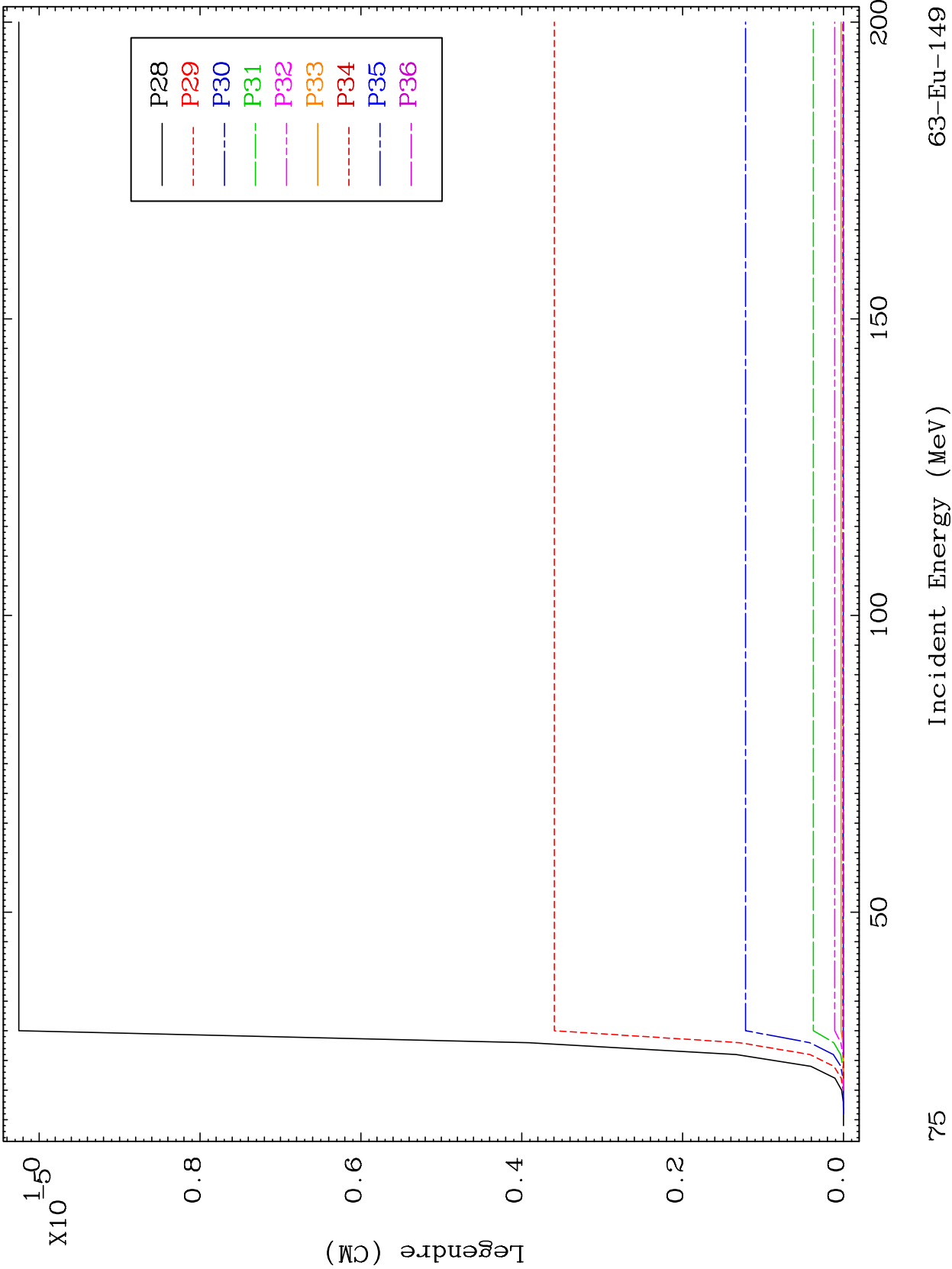
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

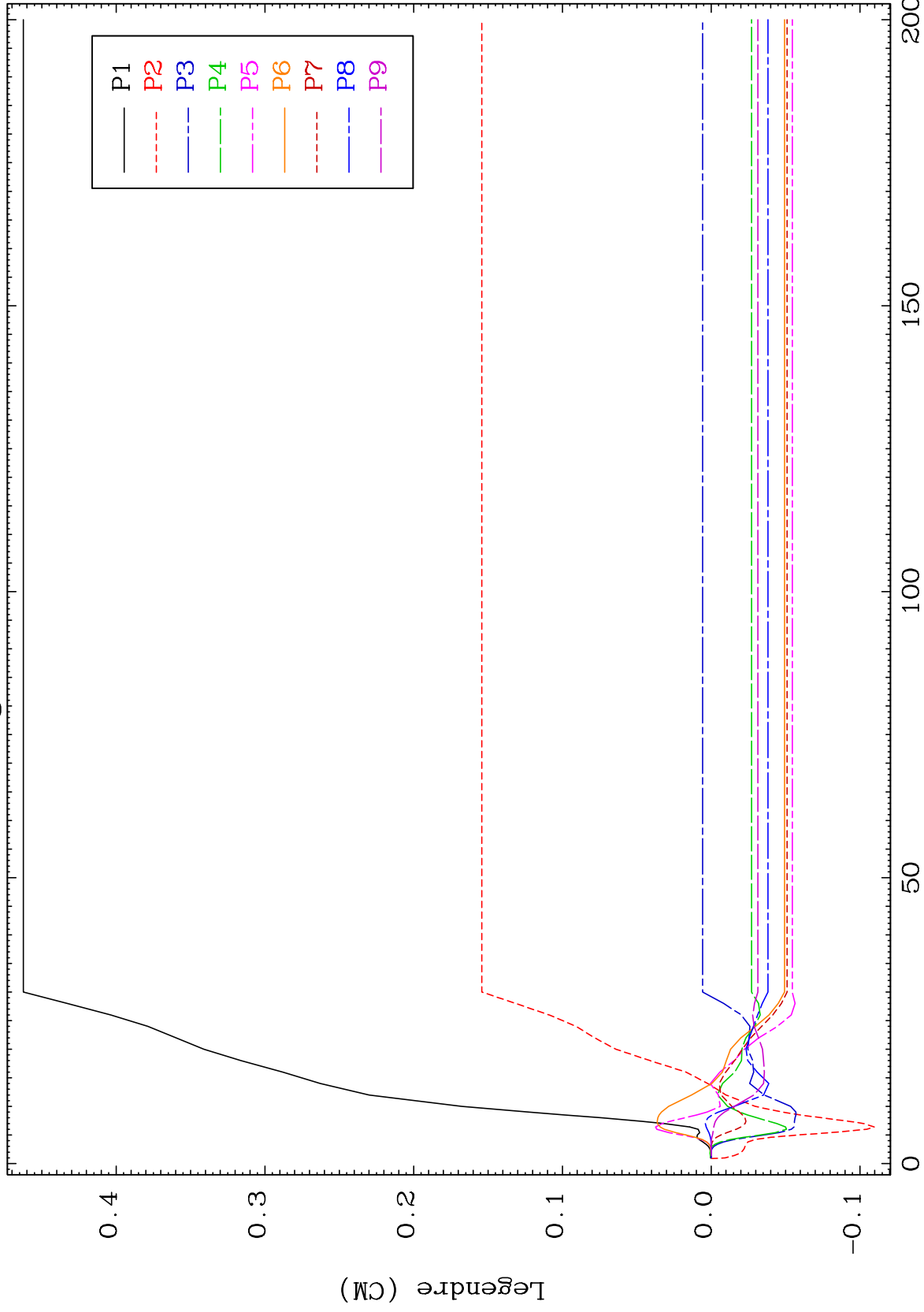
63-Eu-149



MAT 6319

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

63-Eu-149



76

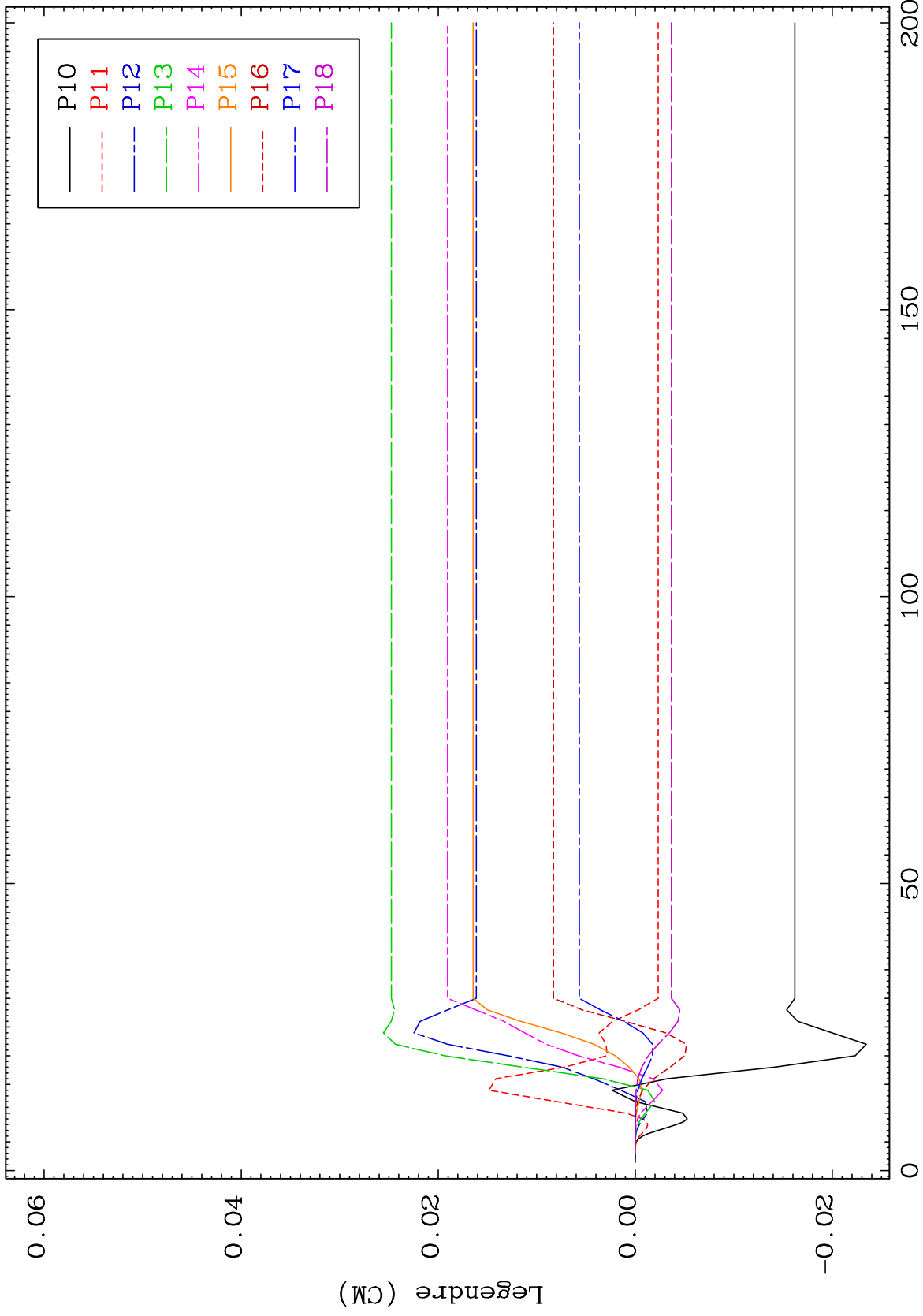
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



77

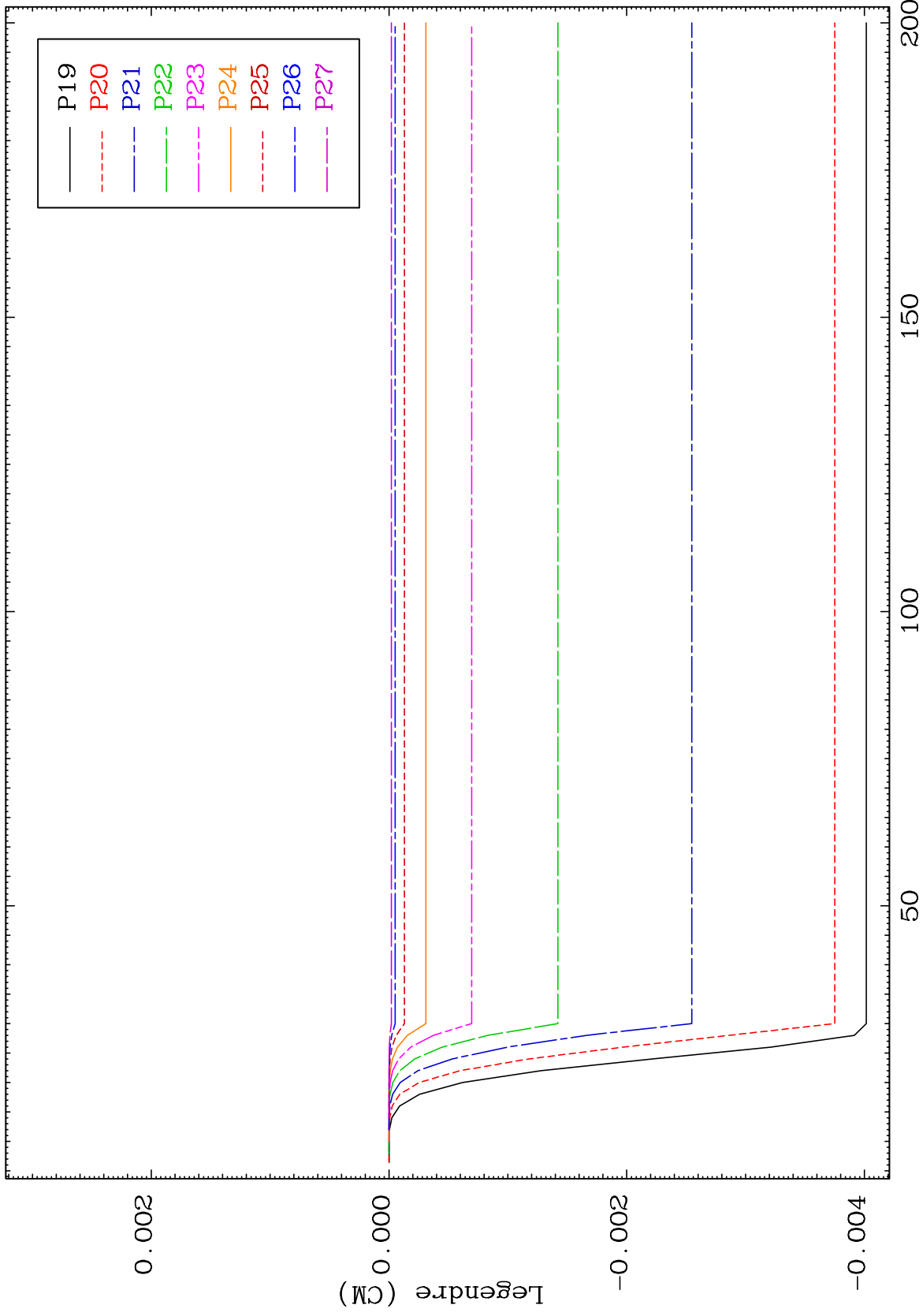
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

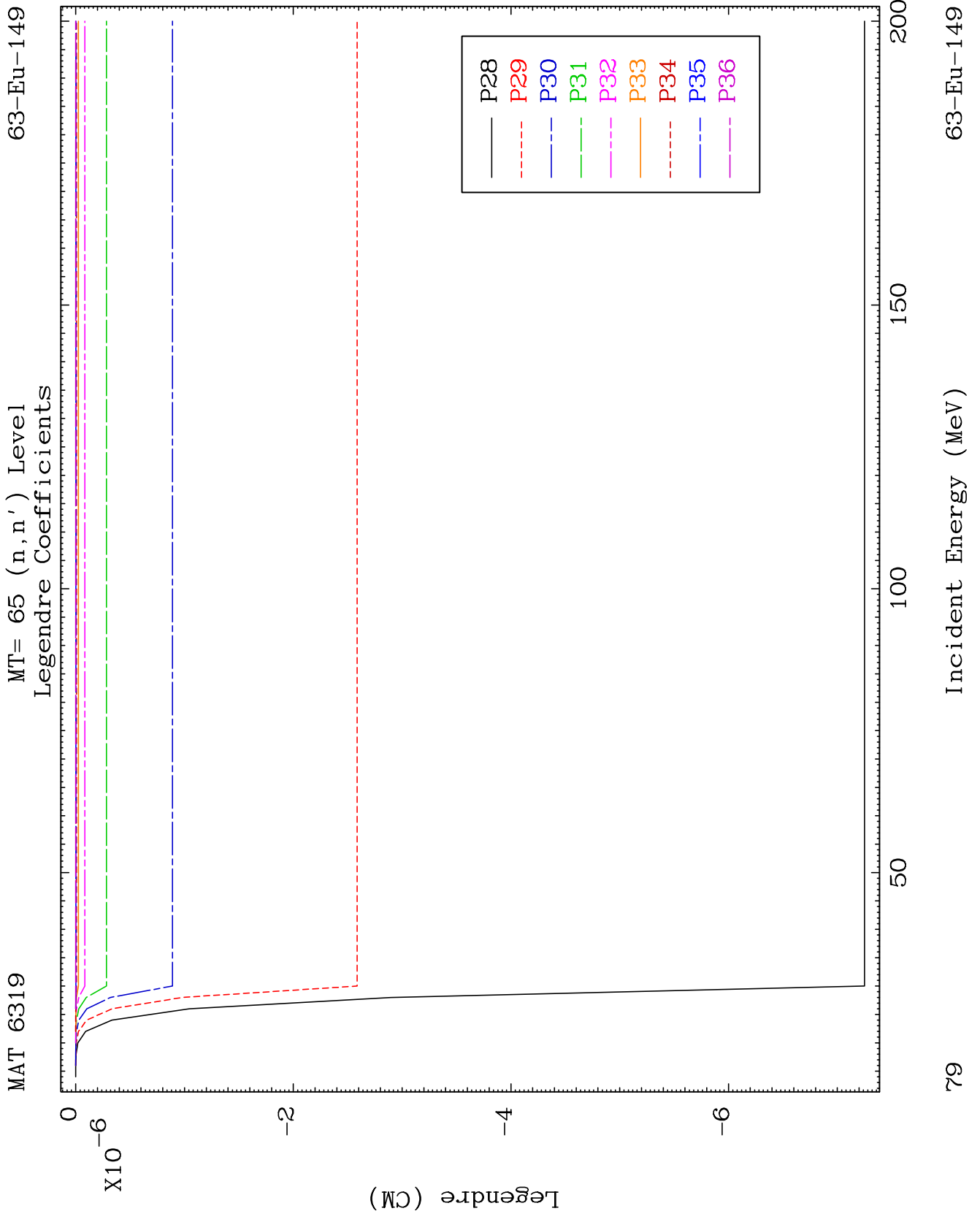
63-Eu-149



78

Incident Energy (MeV)

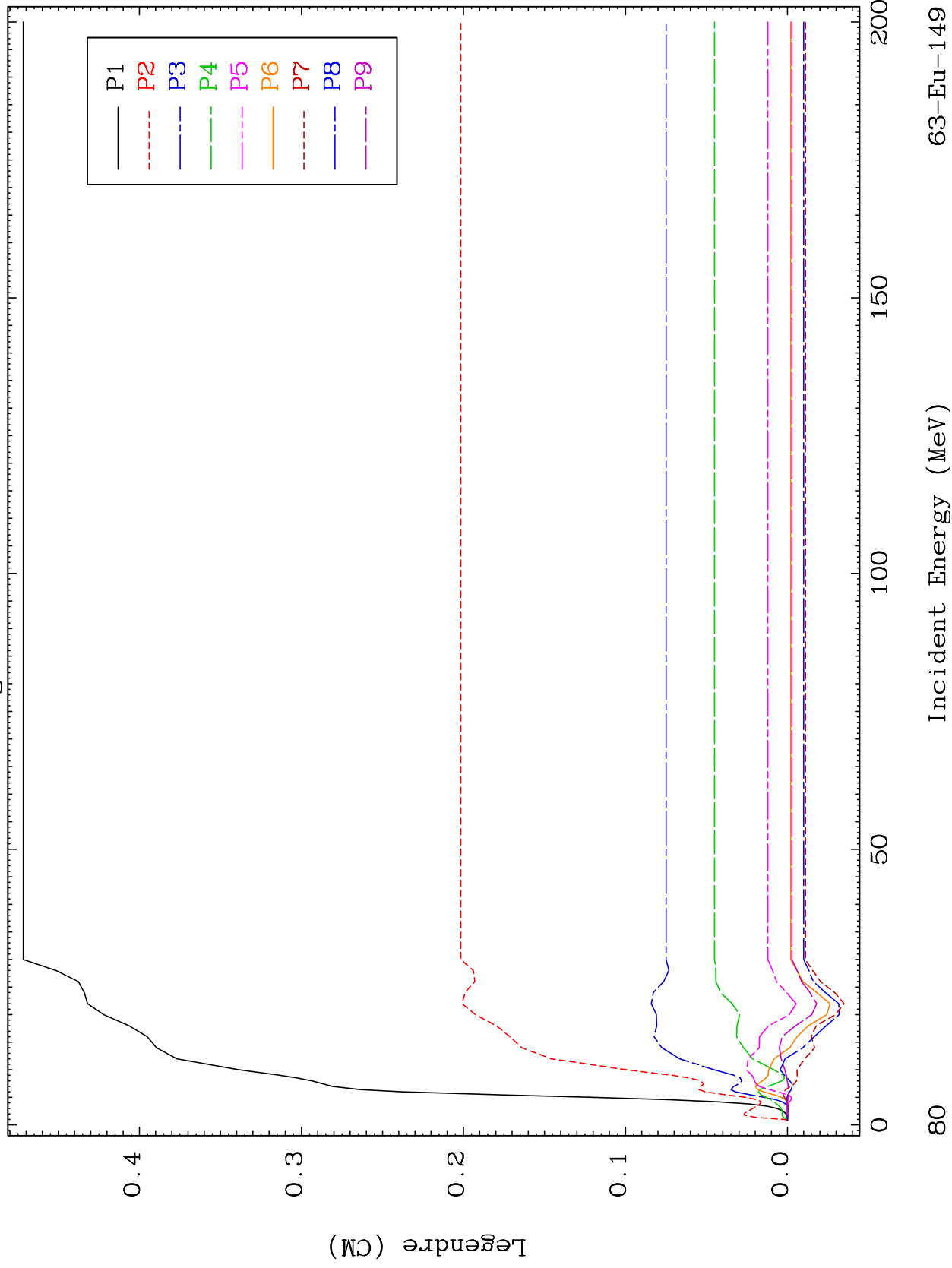
63-Eu-149



MAT 6319

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

63-Eu-149

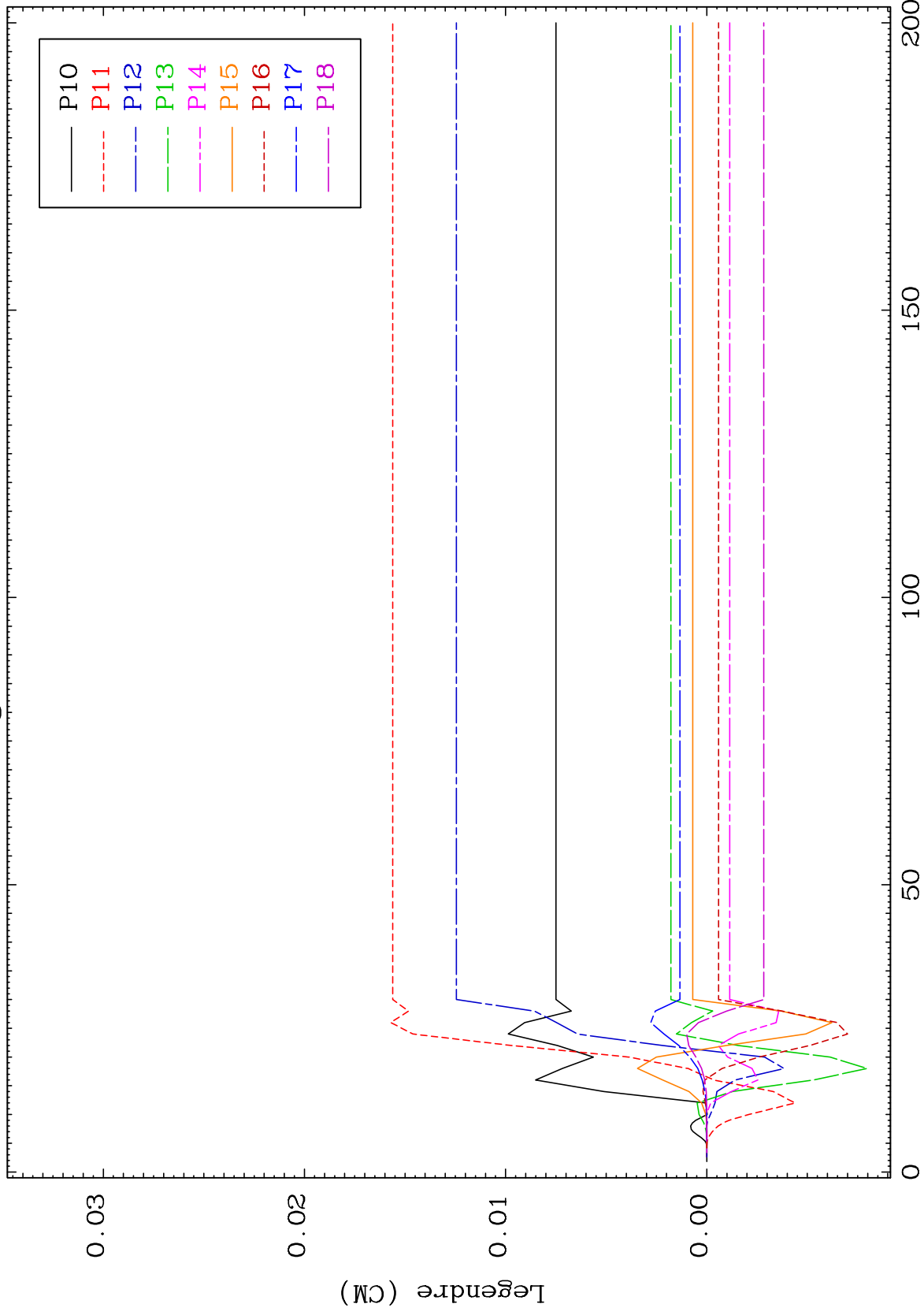


63-Eu-149

MAT 6319

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

63-Eu-149



81

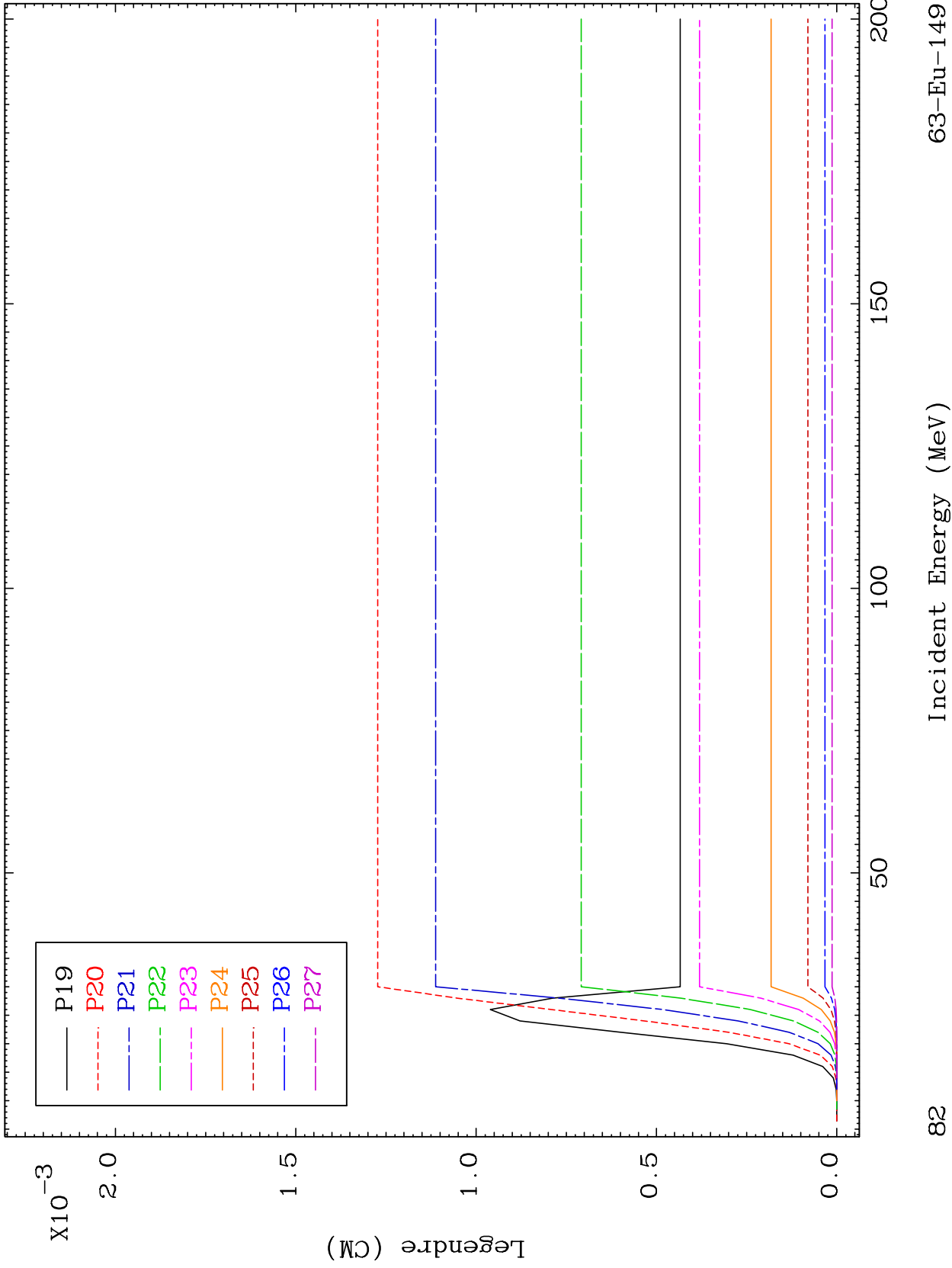
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



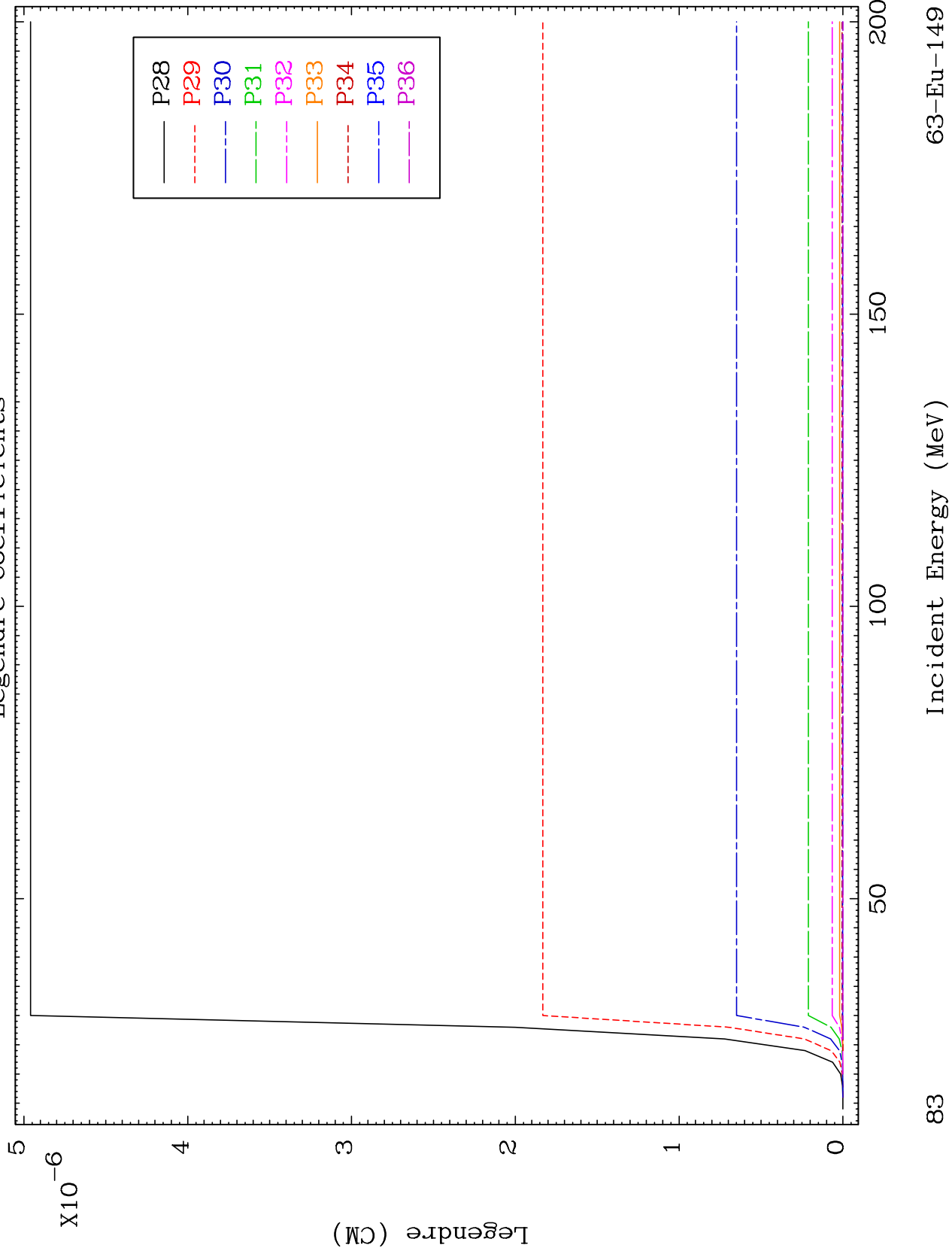
82

63-Eu-149

MAT 6319

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

63-Eu-149



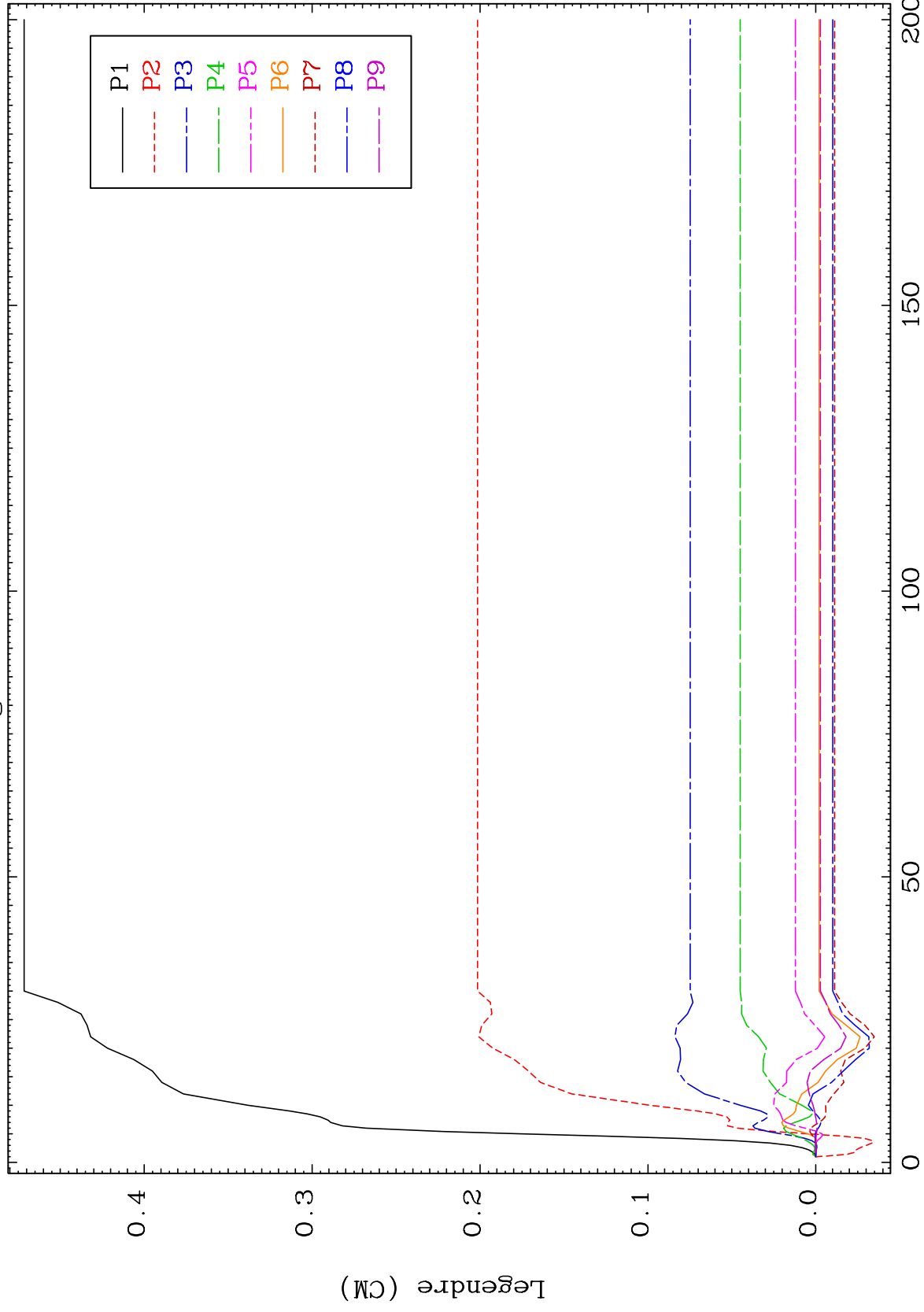
83

63-Eu-149

MAT 6319

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

63-Eu-149



84

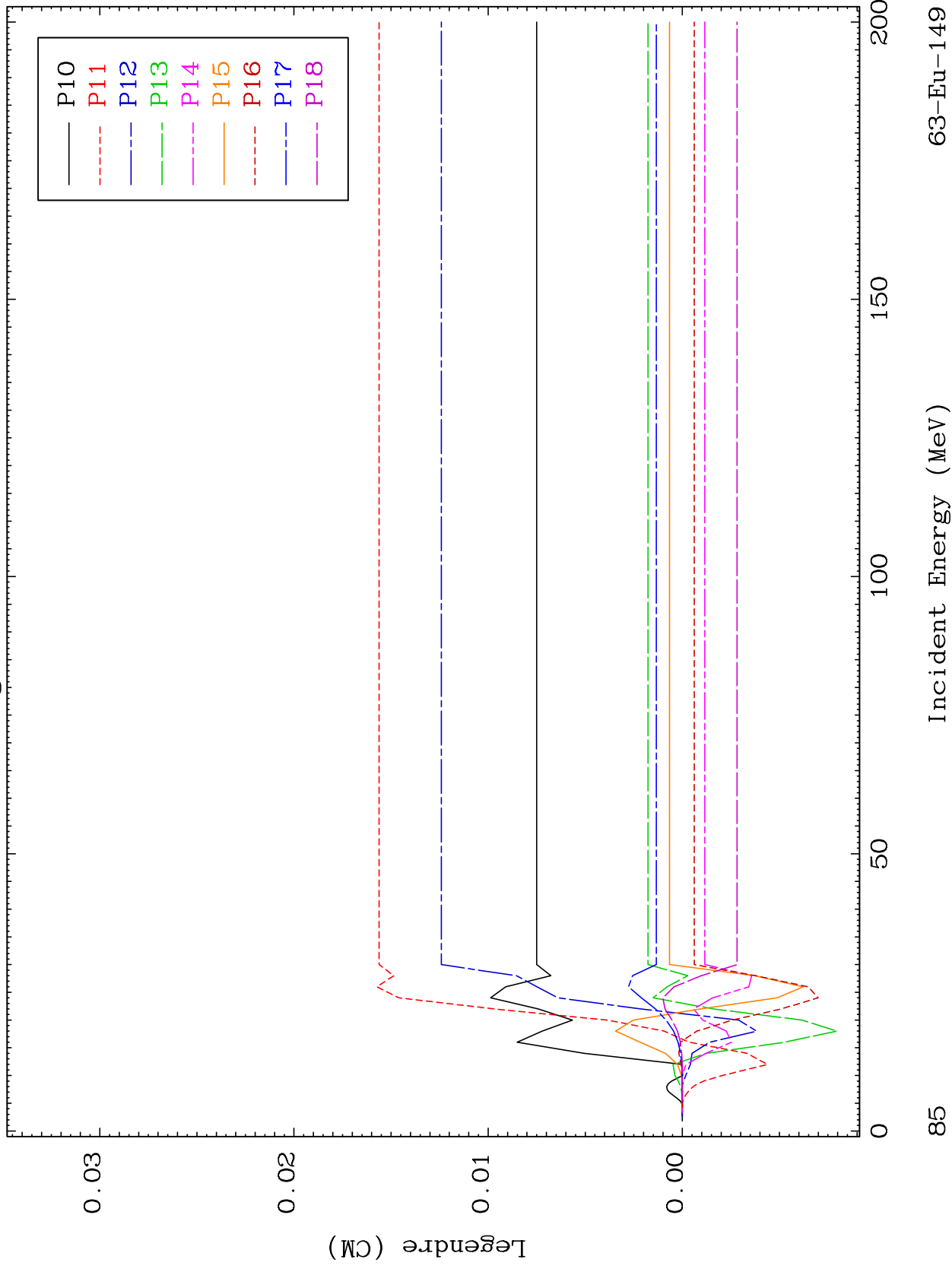
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

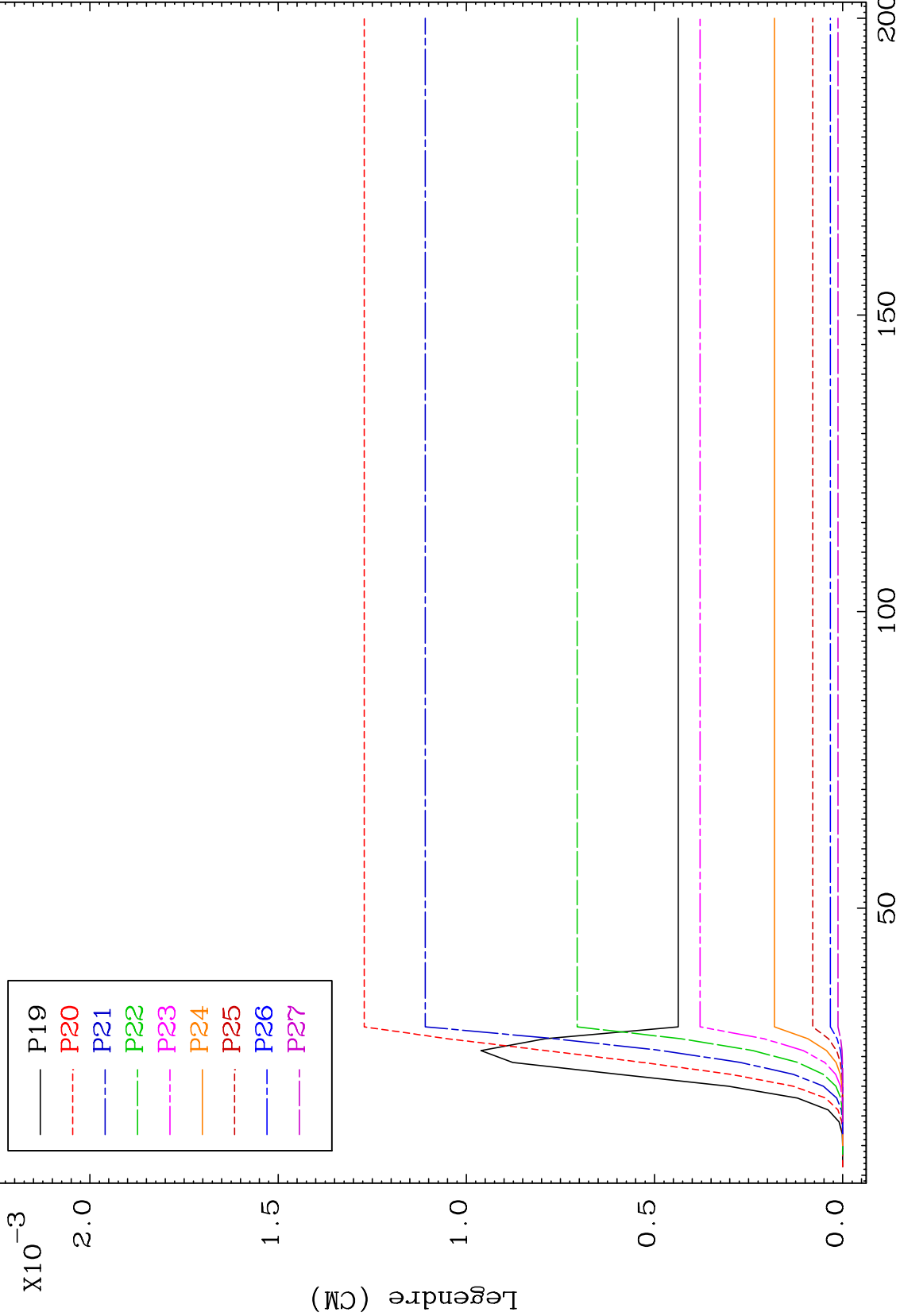
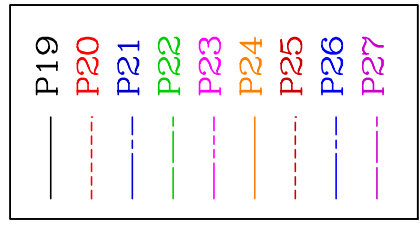
63-Eu-149



63-Eu-149

Incident Energy (MeV)

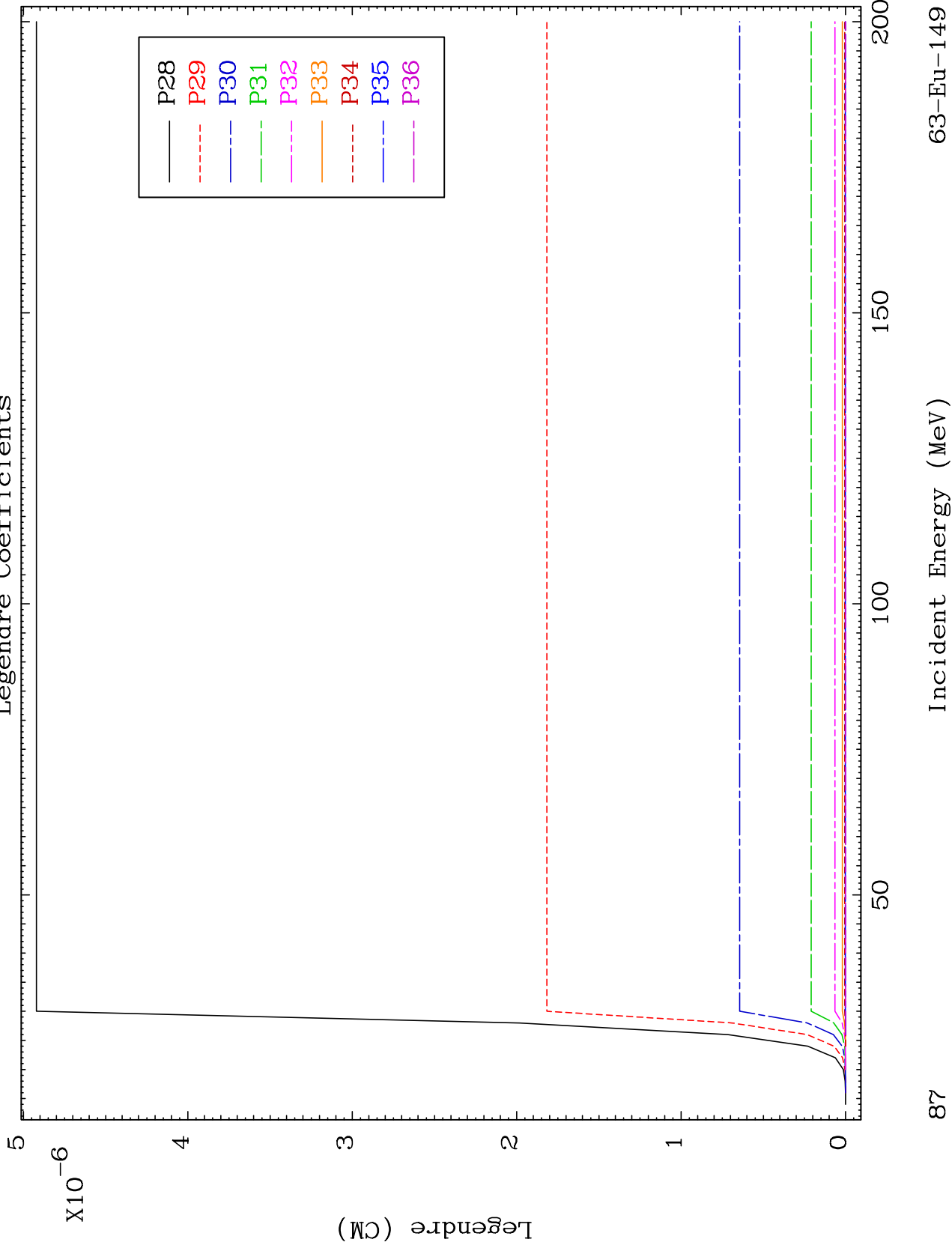
85



MAT 6319

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

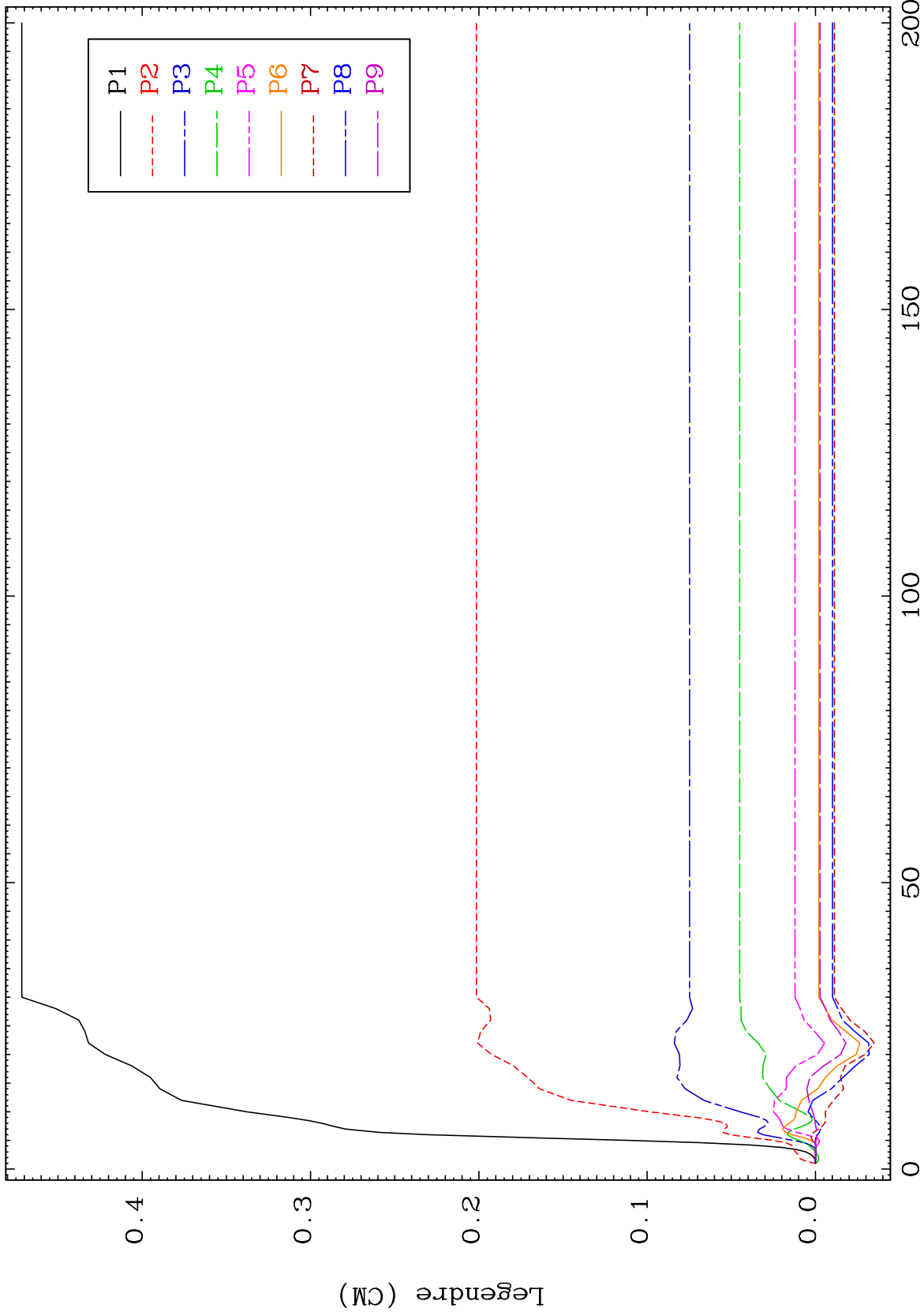
63-Eu-149



MAT 6319

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

63-Eu-149



88

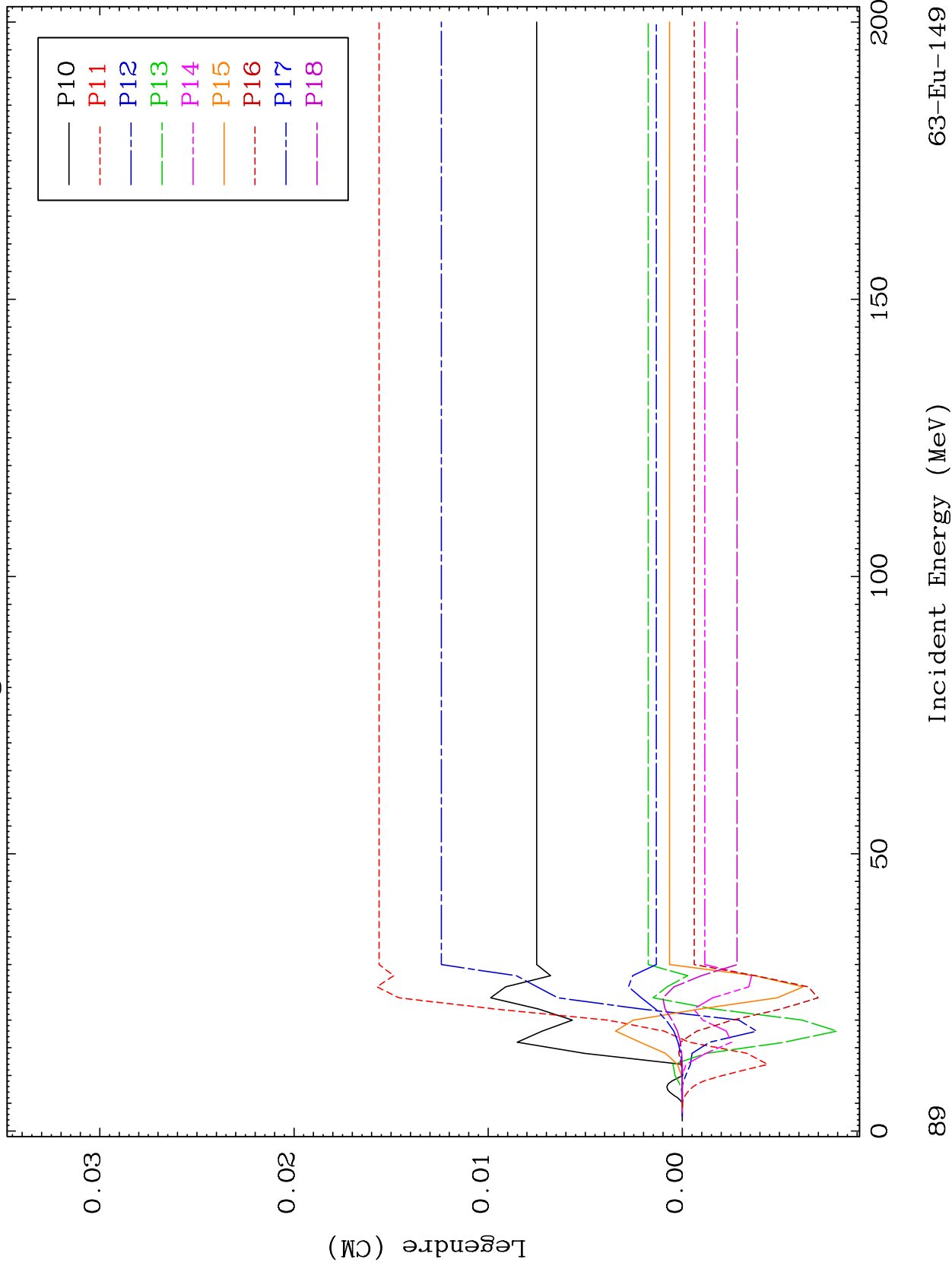
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



63-Eu-149

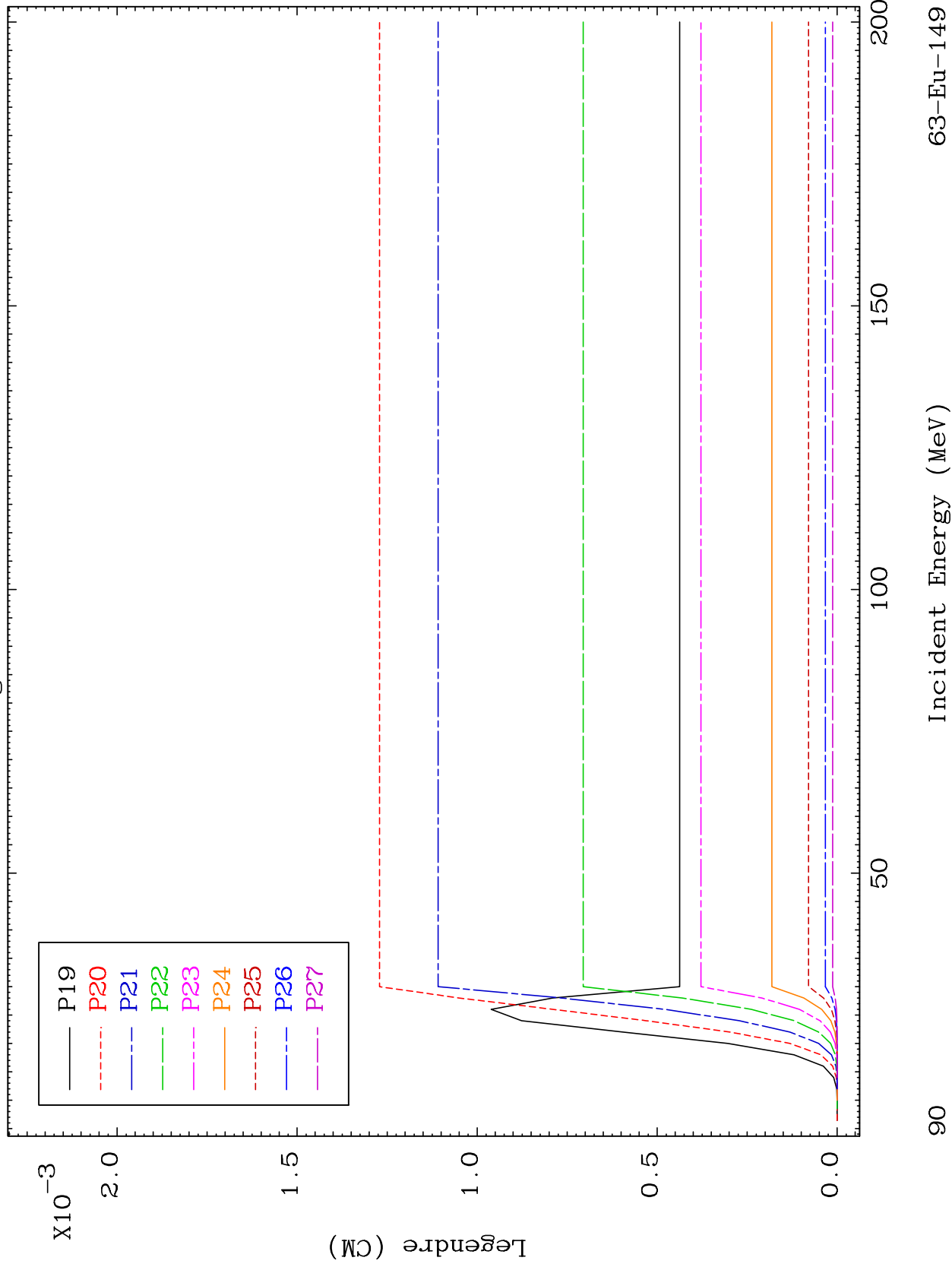
Incident Energy (MeV)

89

MAT 6319

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

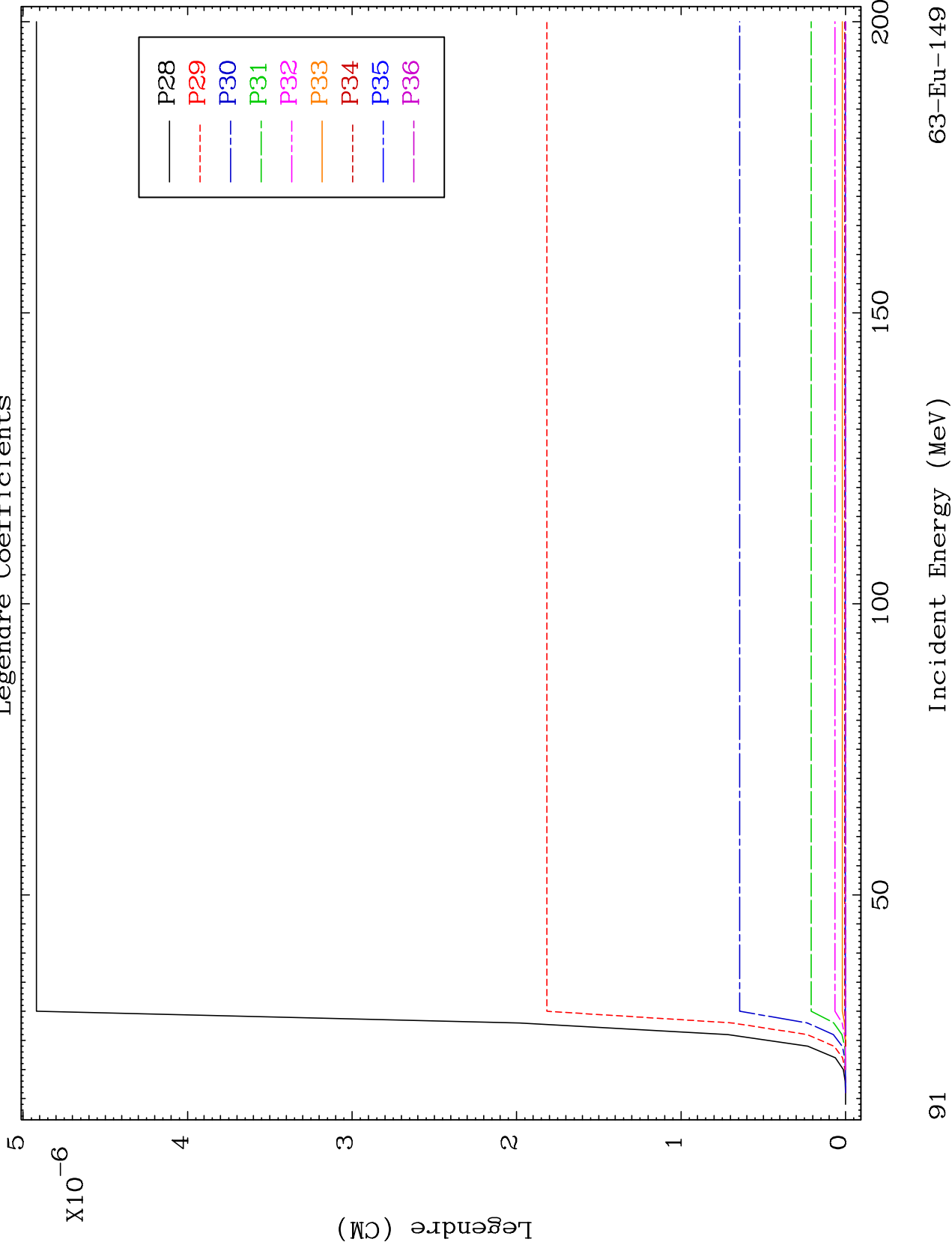
63-Eu-149

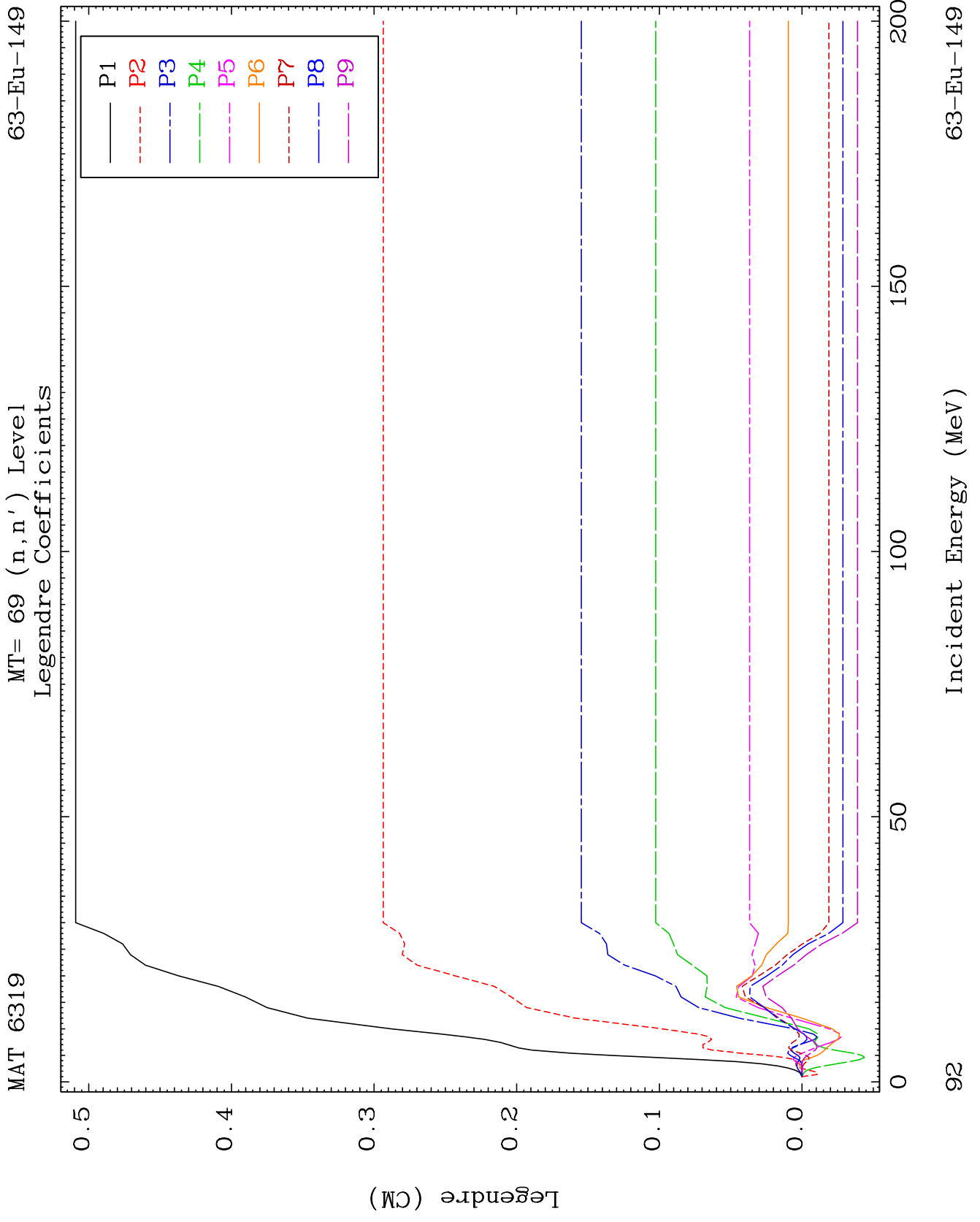


MAT 6319

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

63-Eu-149

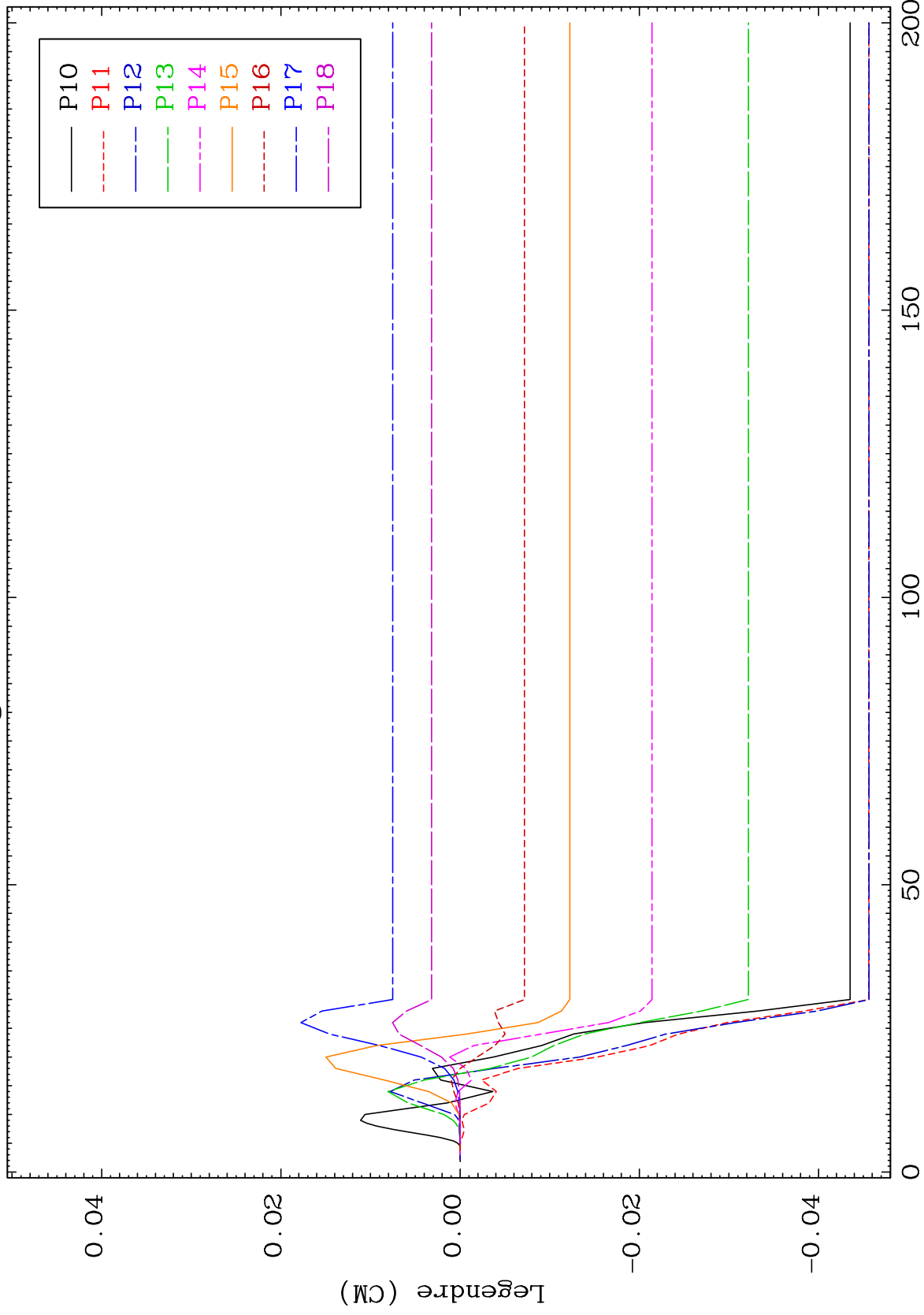




MAT 6319

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

63-Eu-149



93

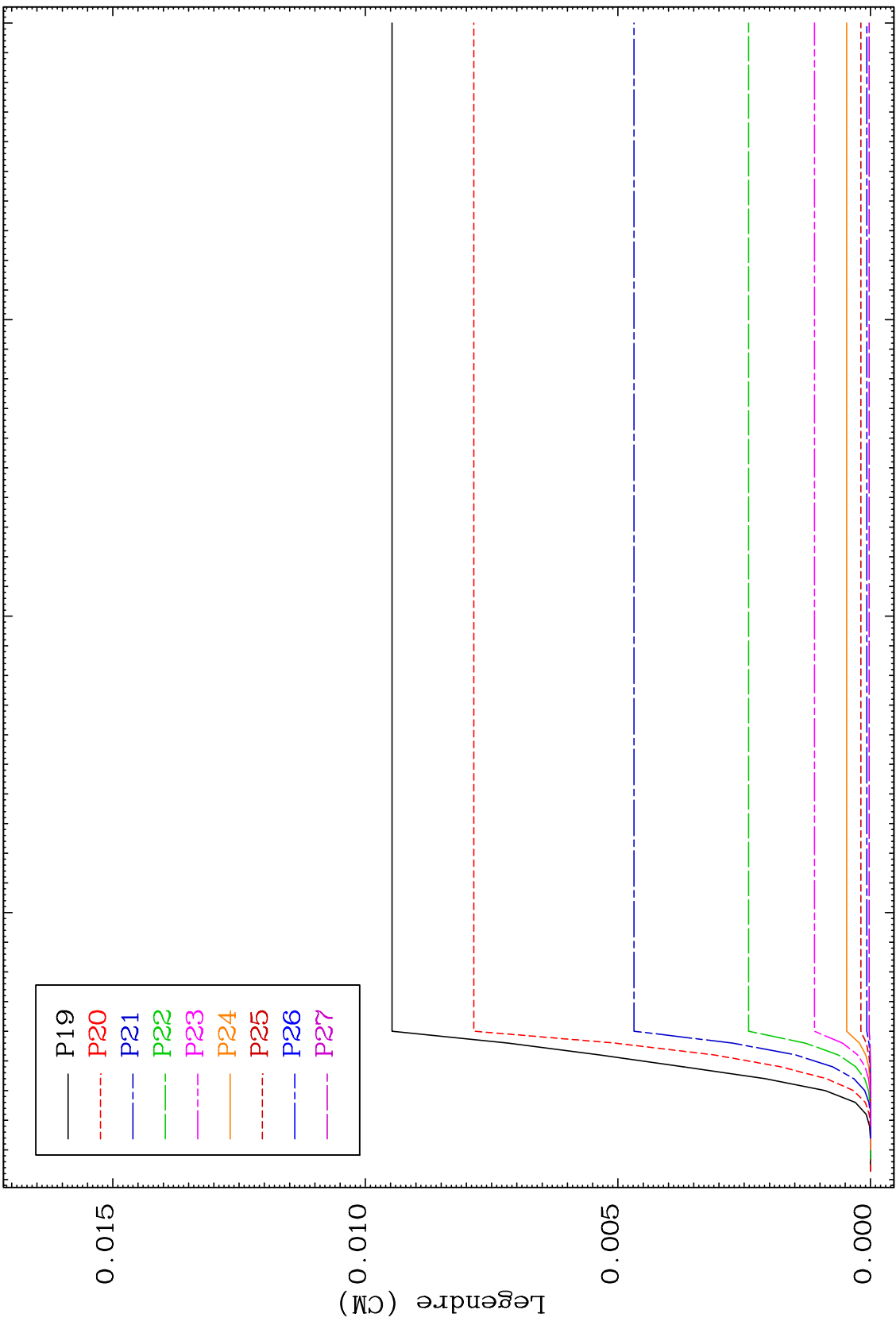
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



94

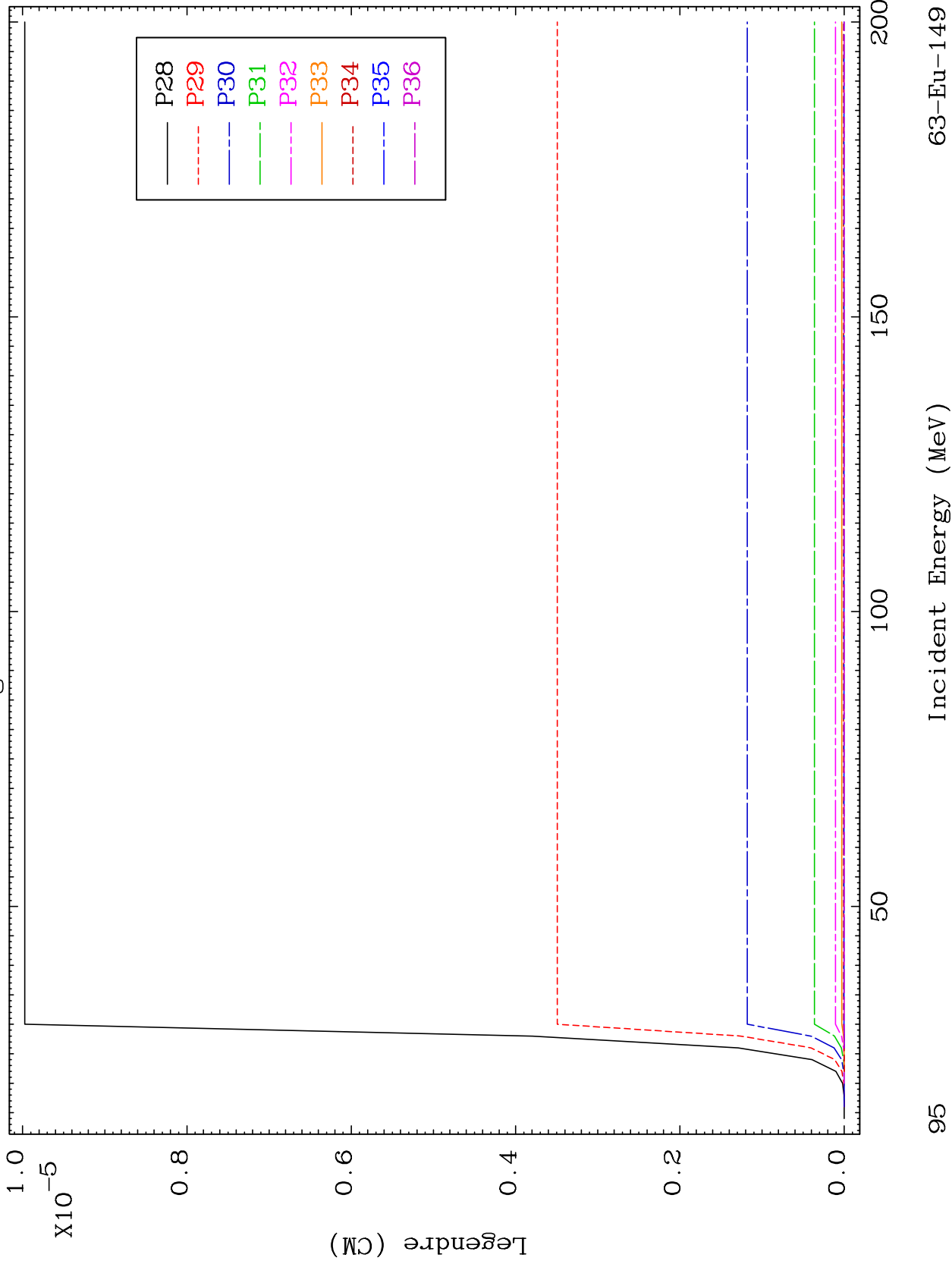
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



95

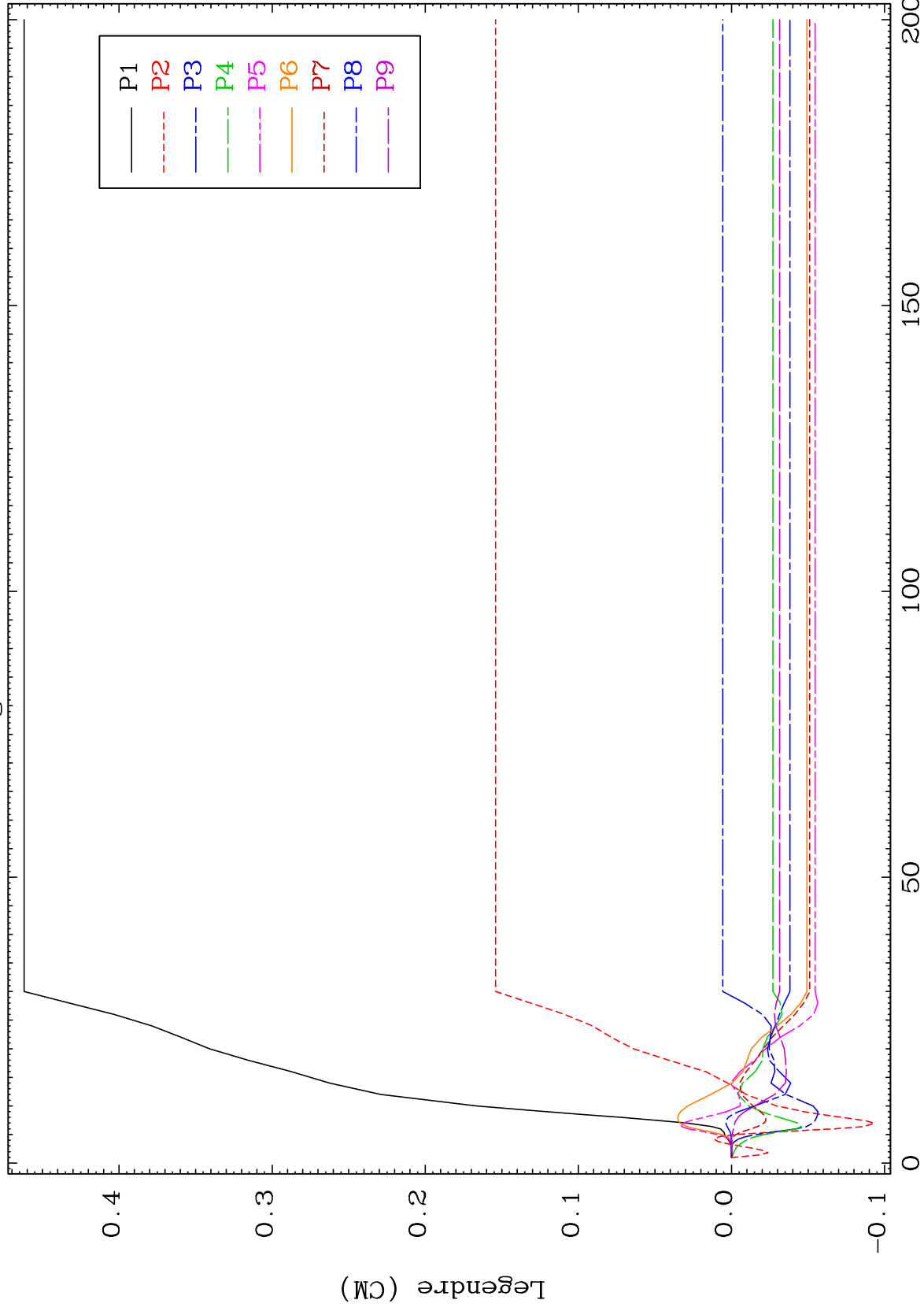
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



96

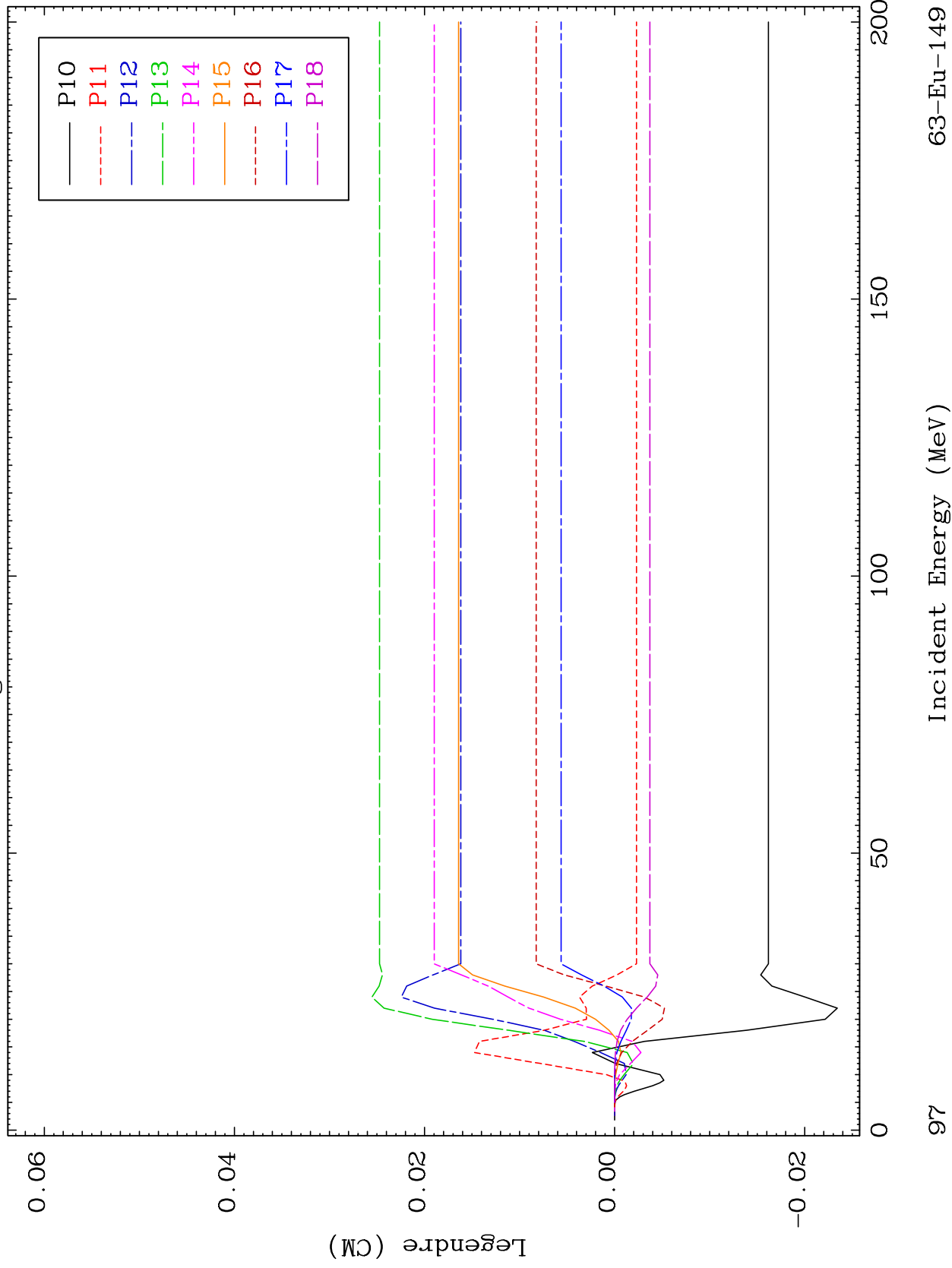
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



97

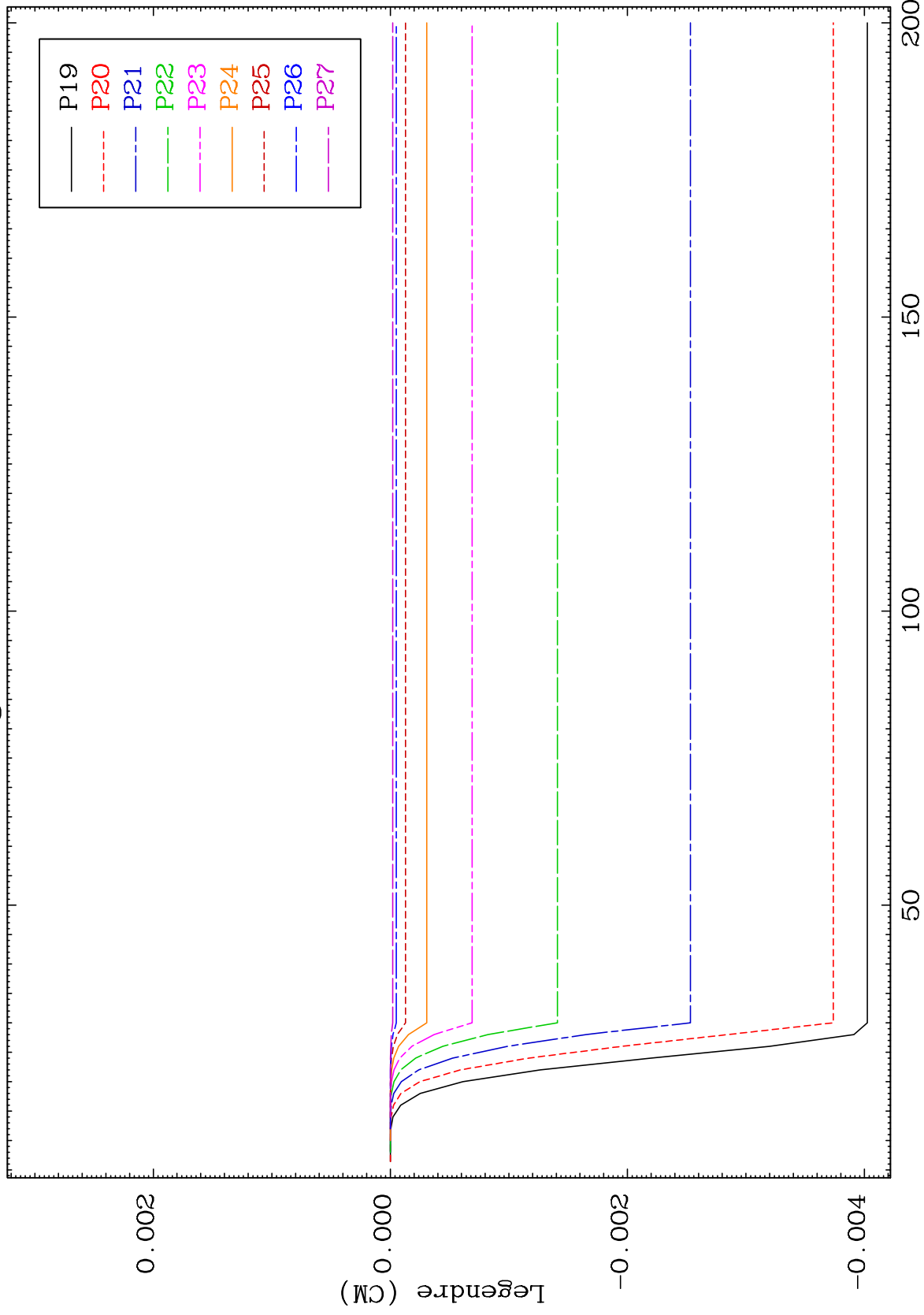
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



98

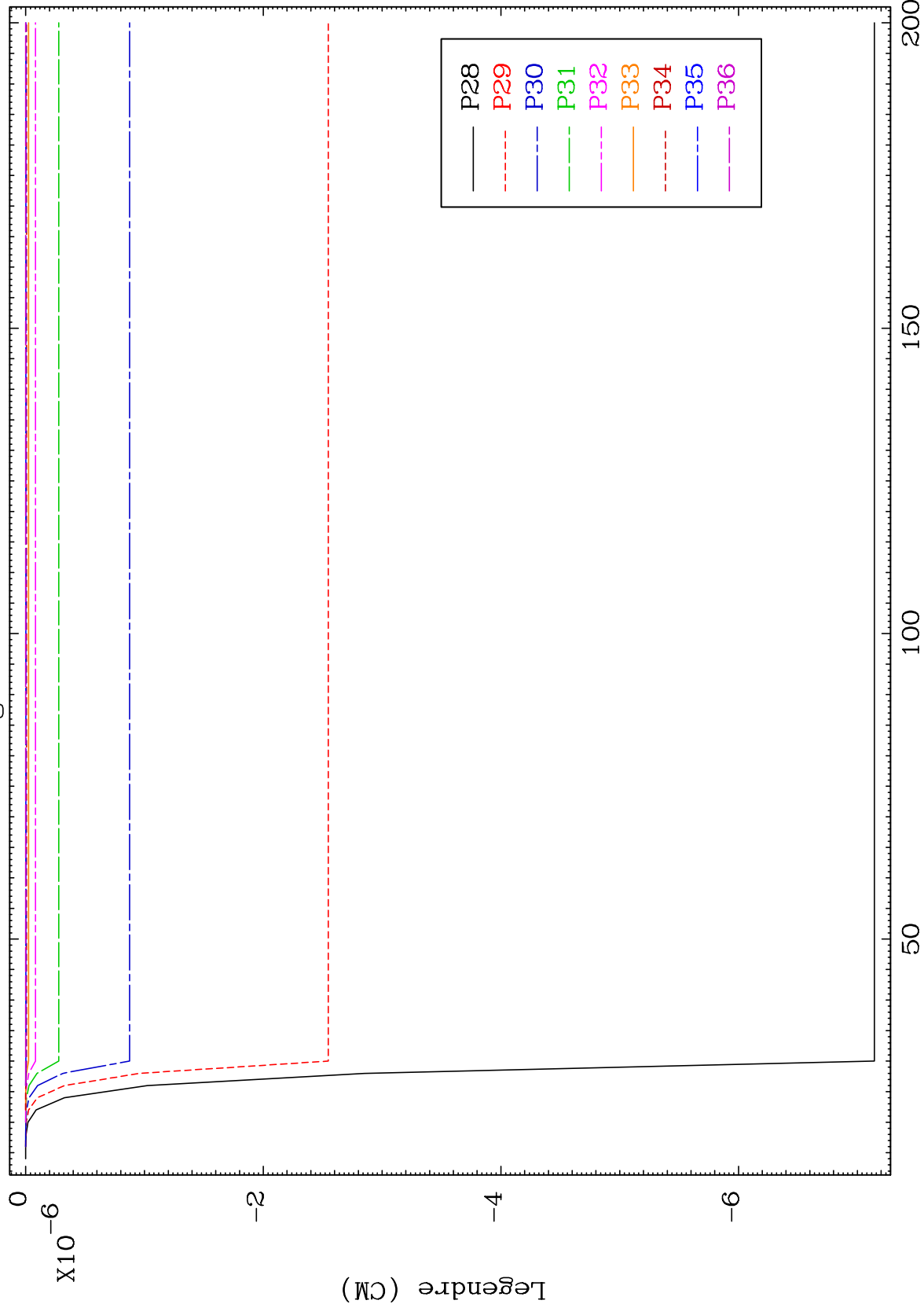
Incident Energy (MeV)

63-Eu-149

MAT 6319

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

63-Eu-149



99

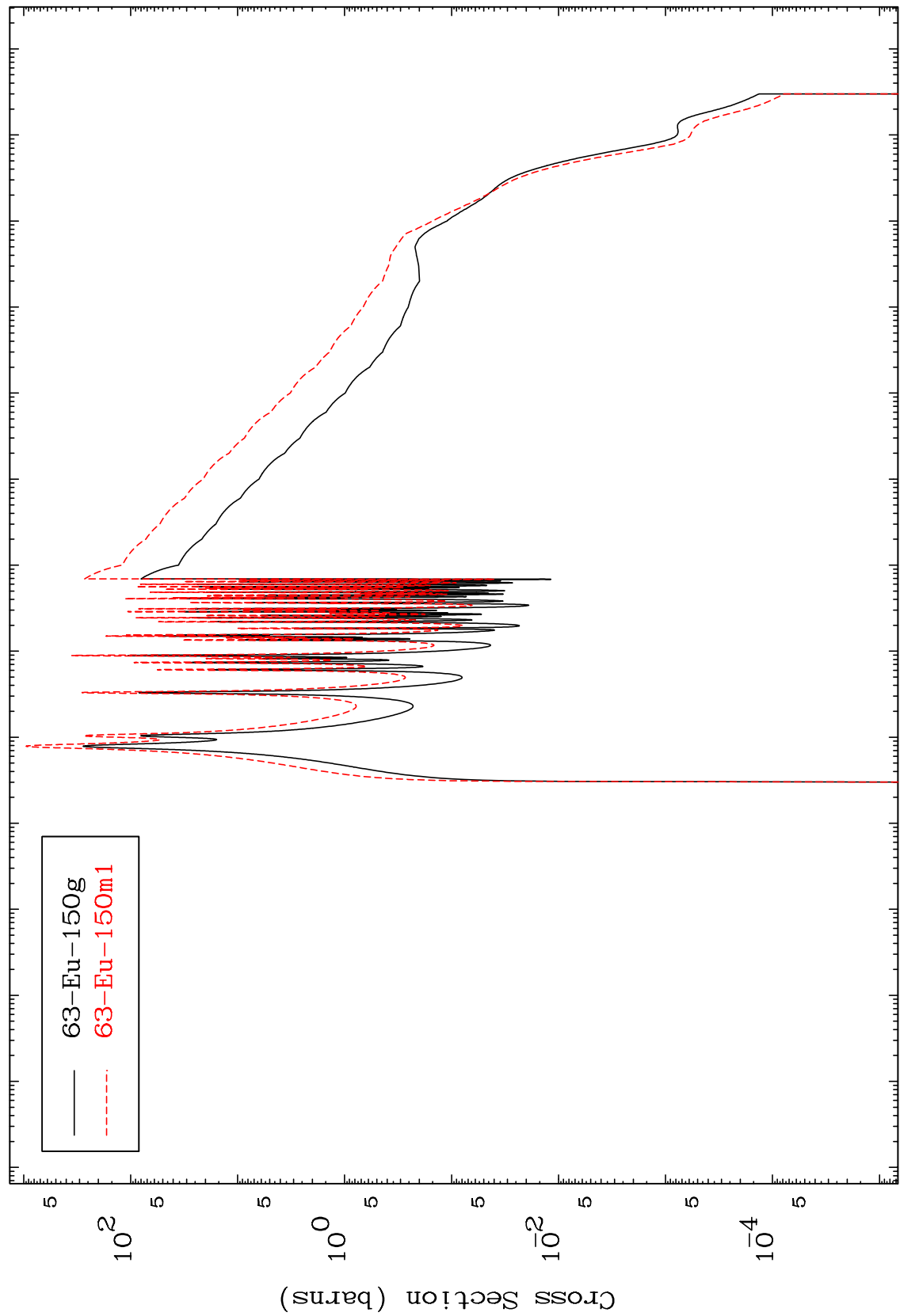
Incident Energy (MeV)

63-Eu-149

MAT 6319

63-Eu-149

(n, γ)
Radionuclide Production Cross Section



100

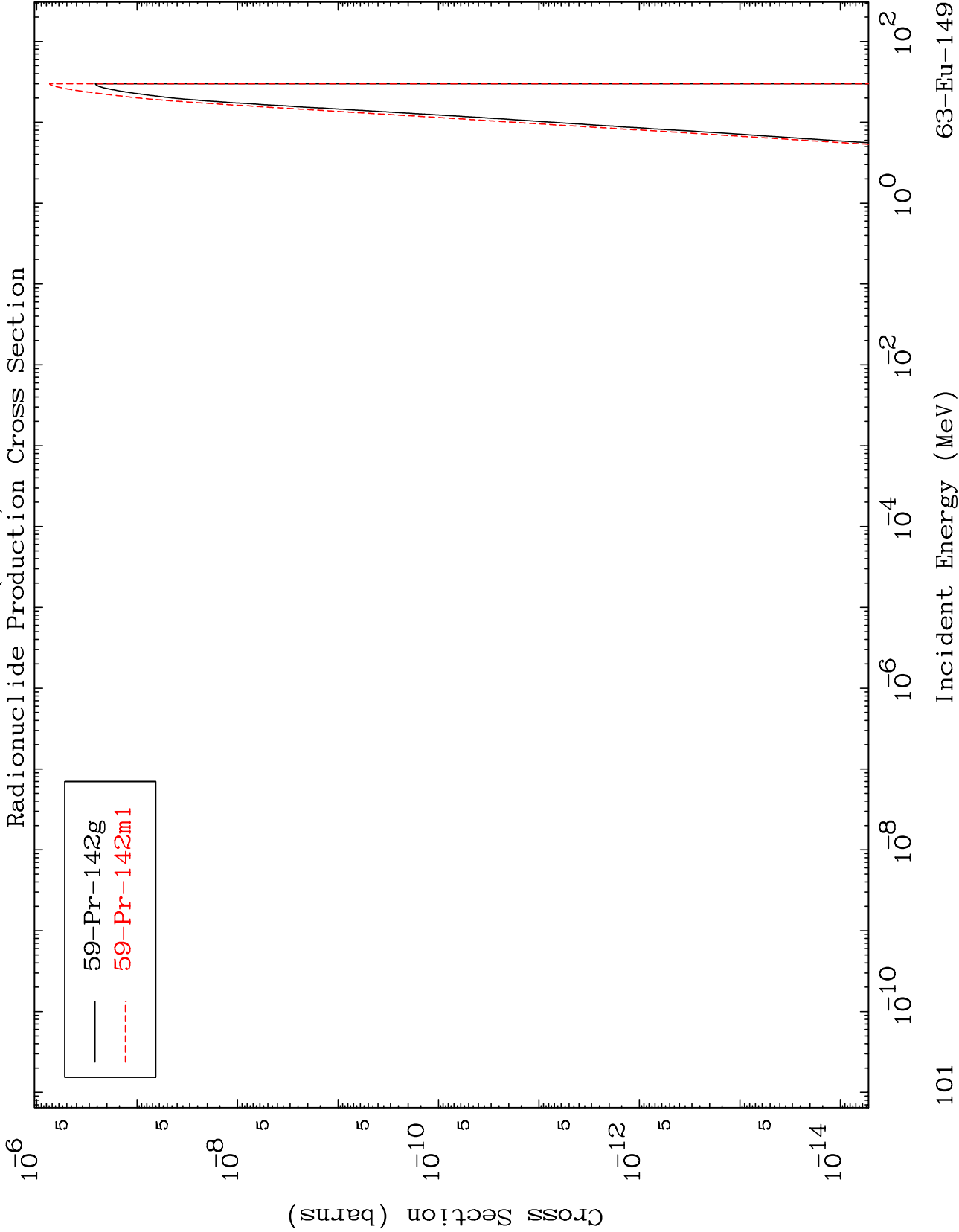
63-Eu-149

MAT 6319

(n,2α)

63-Eu-149

Radionuclide Production Cross Section



101

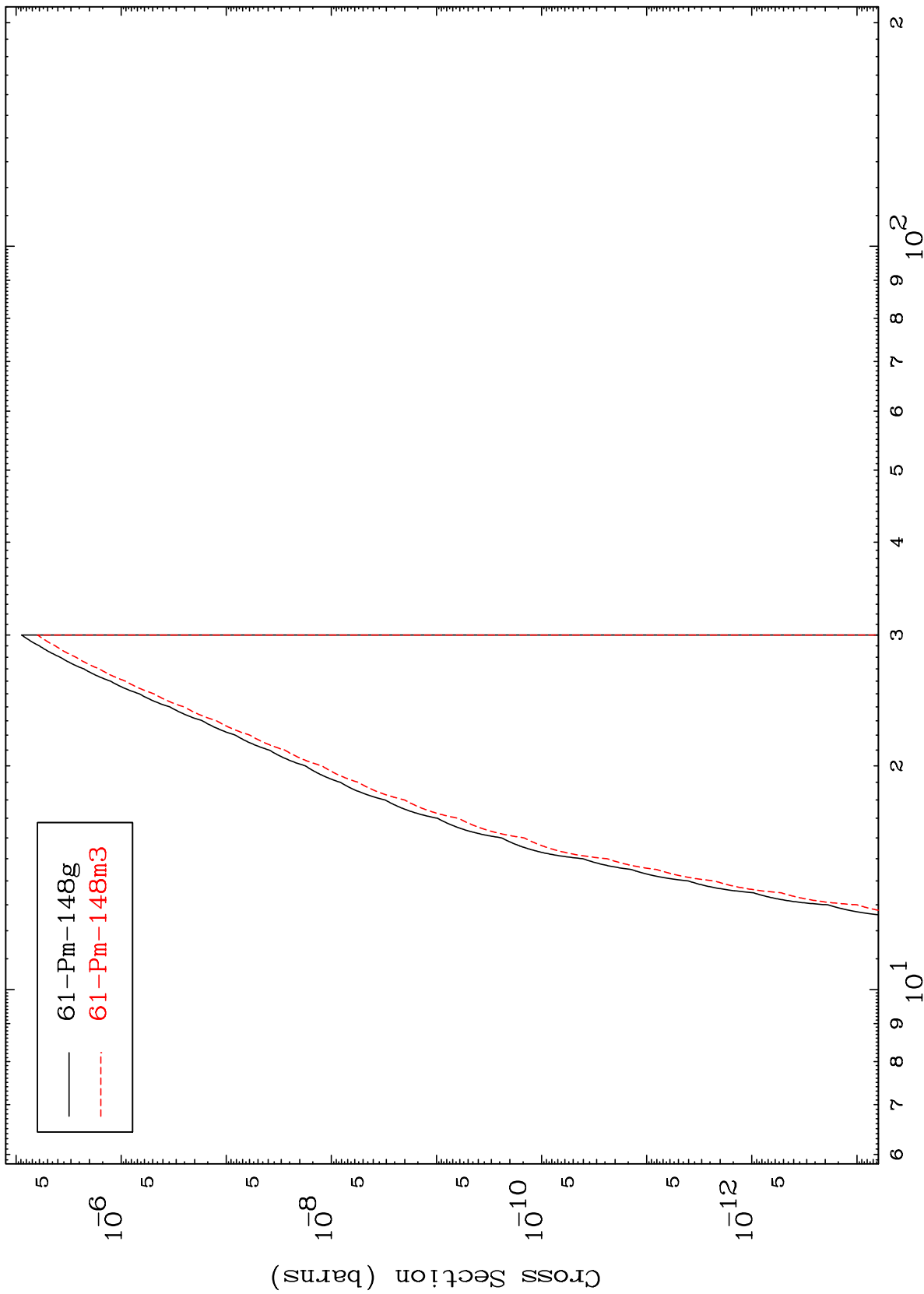
Incident Energy (MeV)

63-Eu-149

MAT 6319

63-Eu-149

(n,2p)
Radionuclide Production Cross Section



61-Pm-148g
61-Pm-148m3

63-Eu-149

Incident Energy (MeV)

102