

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

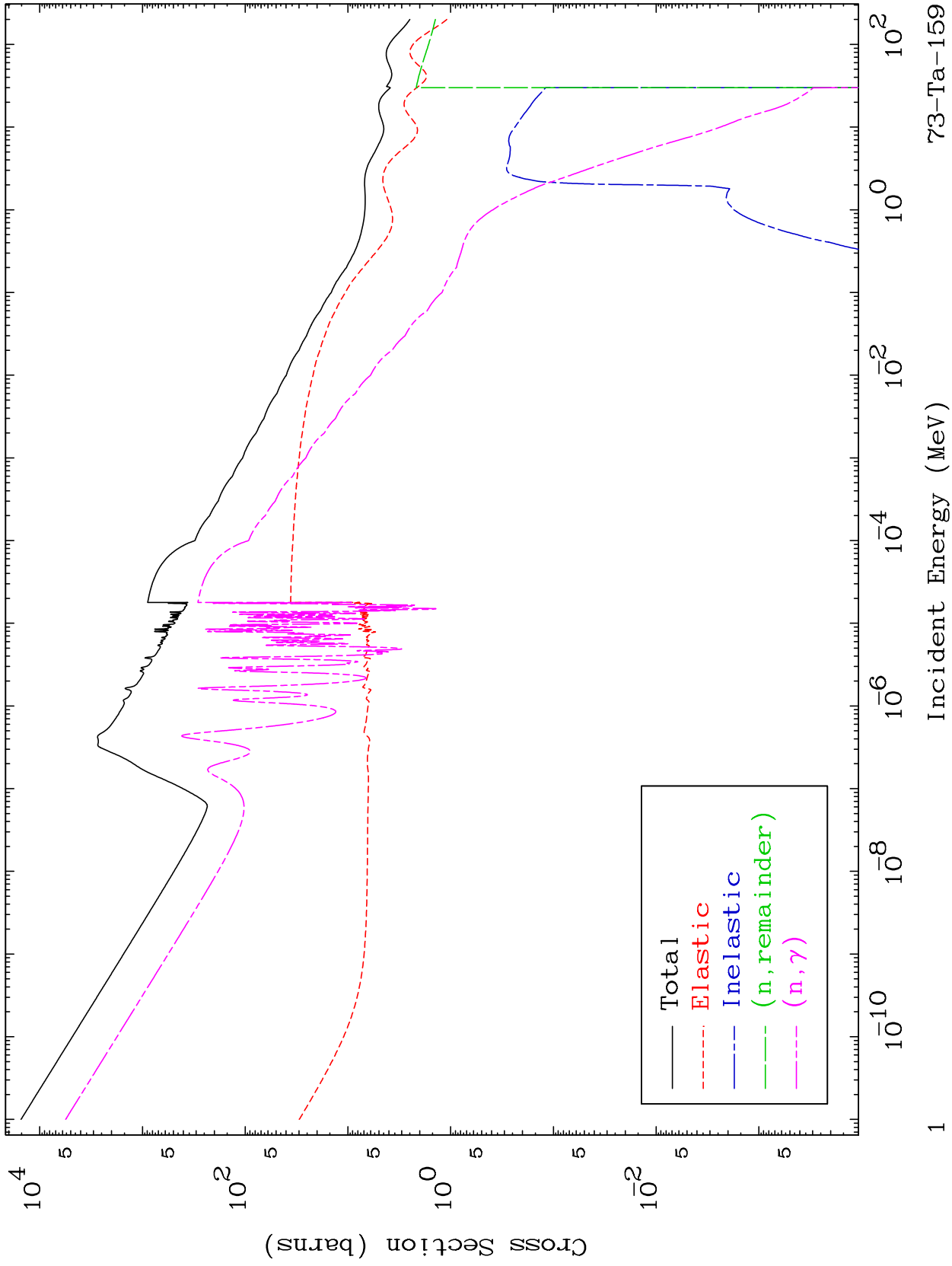
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7262

Major
293 Kelvin Cross Sections

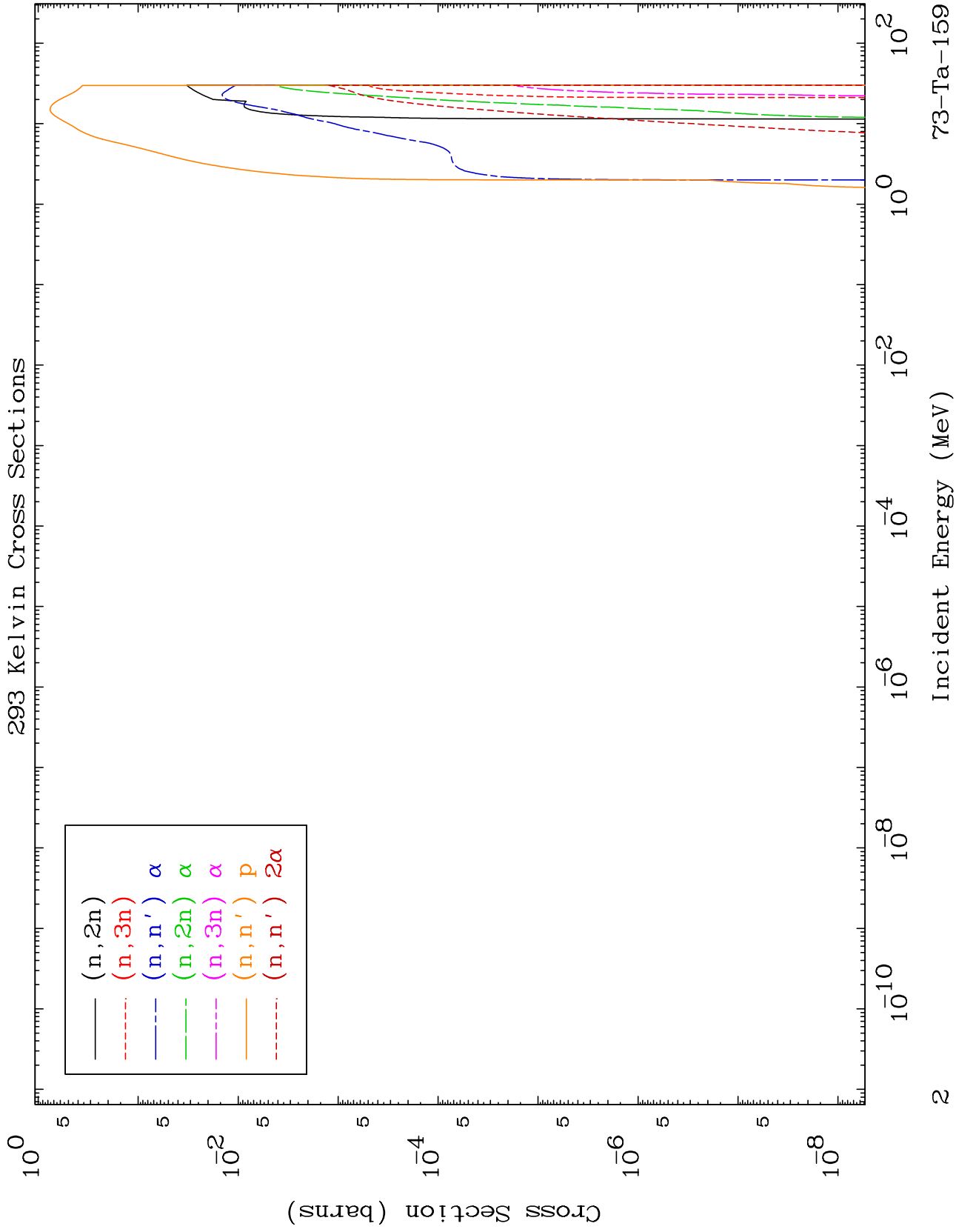
73-Ta-159



MAT 7262

Neutron Production
293 Kelvin Cross Sections

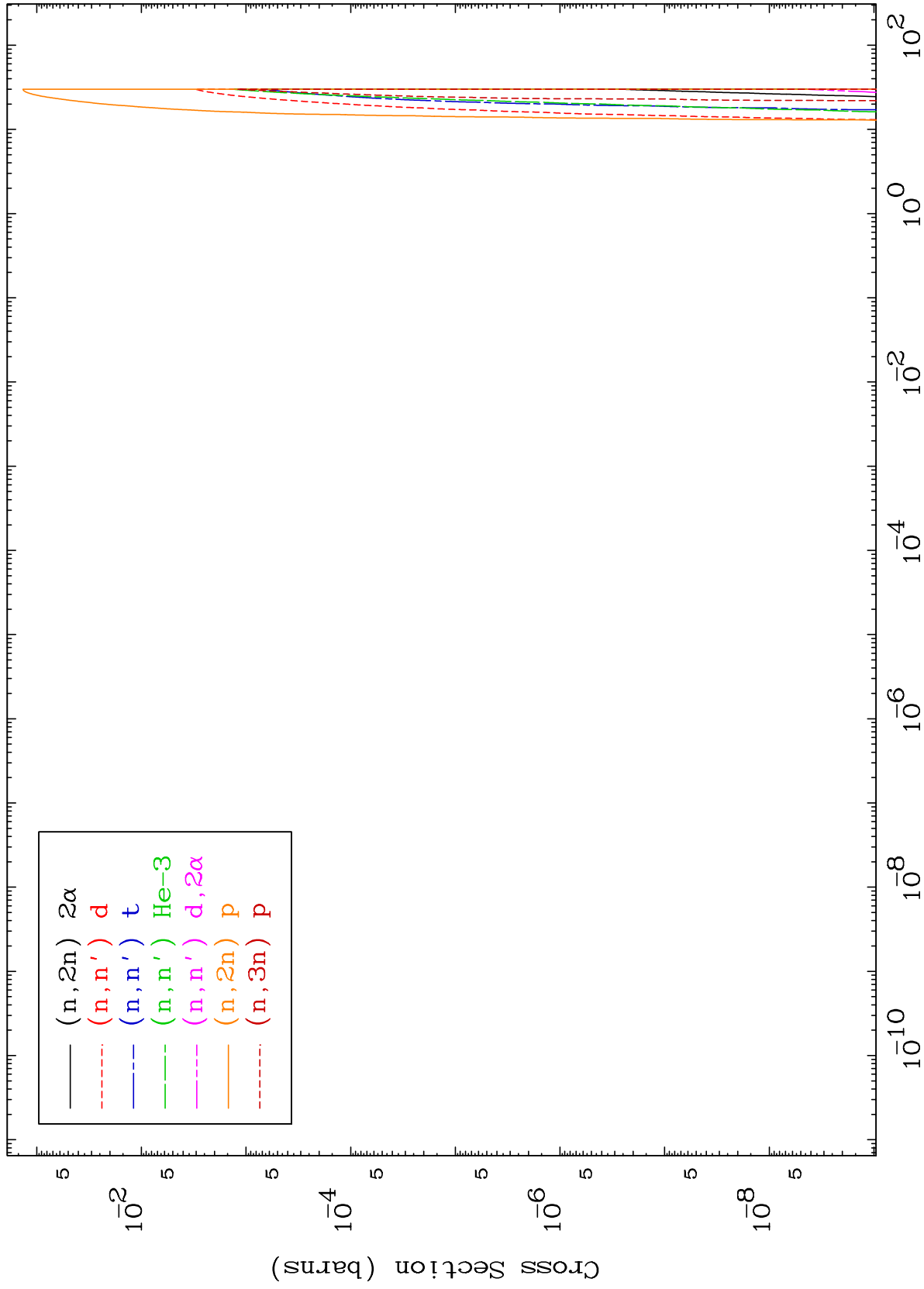
73-Ta-159



MAT 7262

Neutron Production
293 Kelvin Cross Sections

73-Ta-159



3

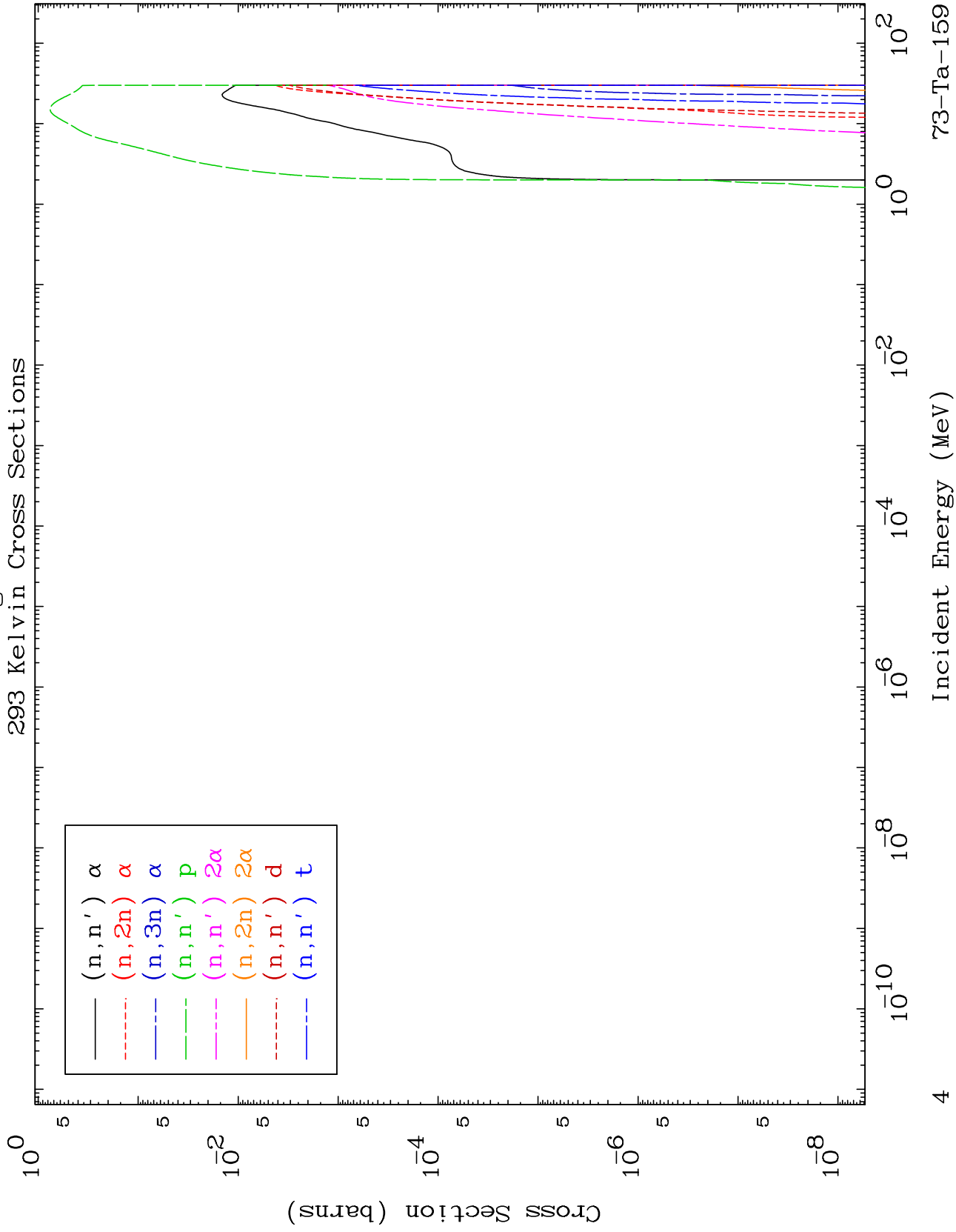
Incident Energy (MeV)

73-Ta-159

MAT 7262

293 Charged Particle
Kelvin Cross Sections

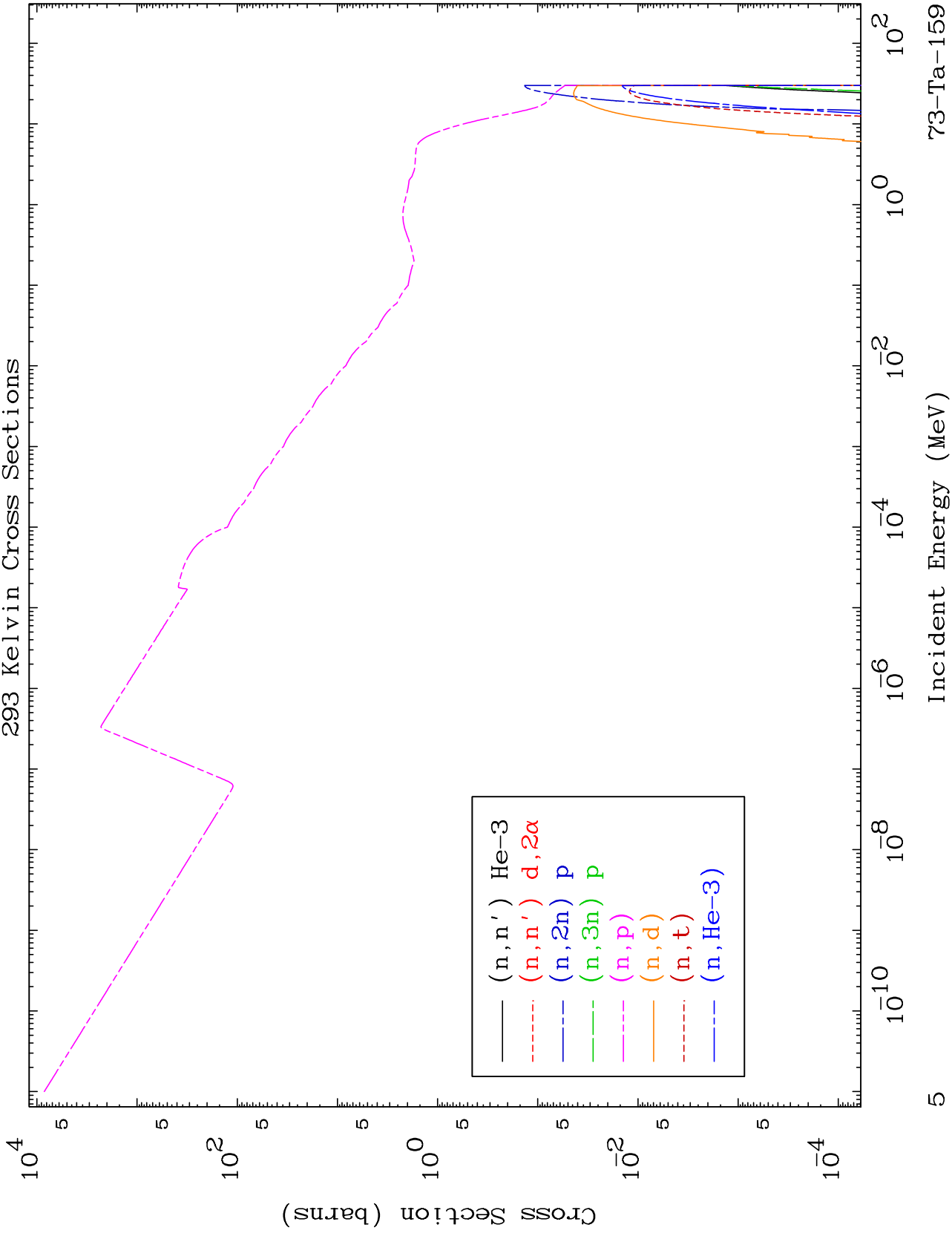
73-Ta-159

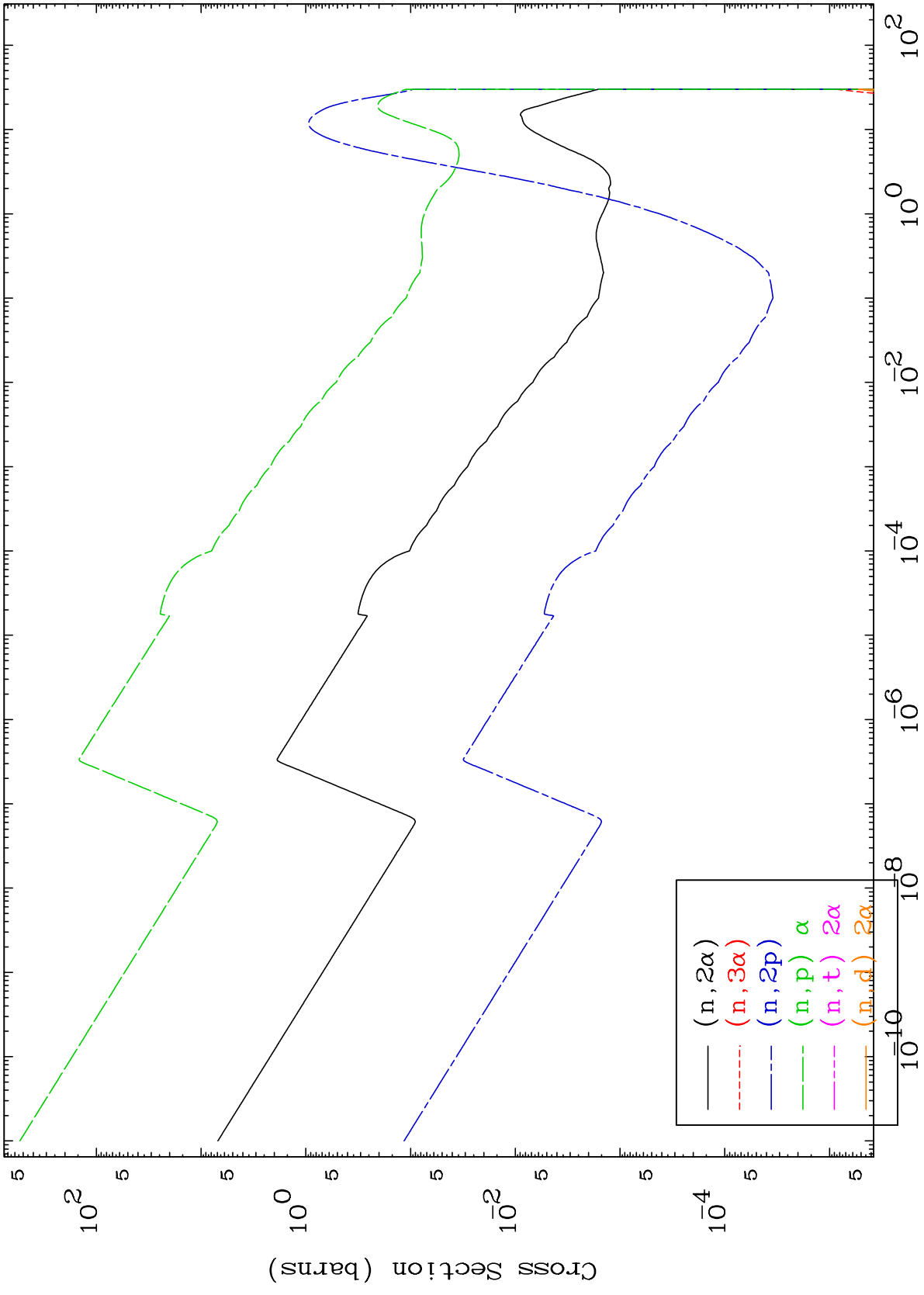


MAT 7262

Charged Particle
293 Kelvin Cross Sections

73-Ta-159

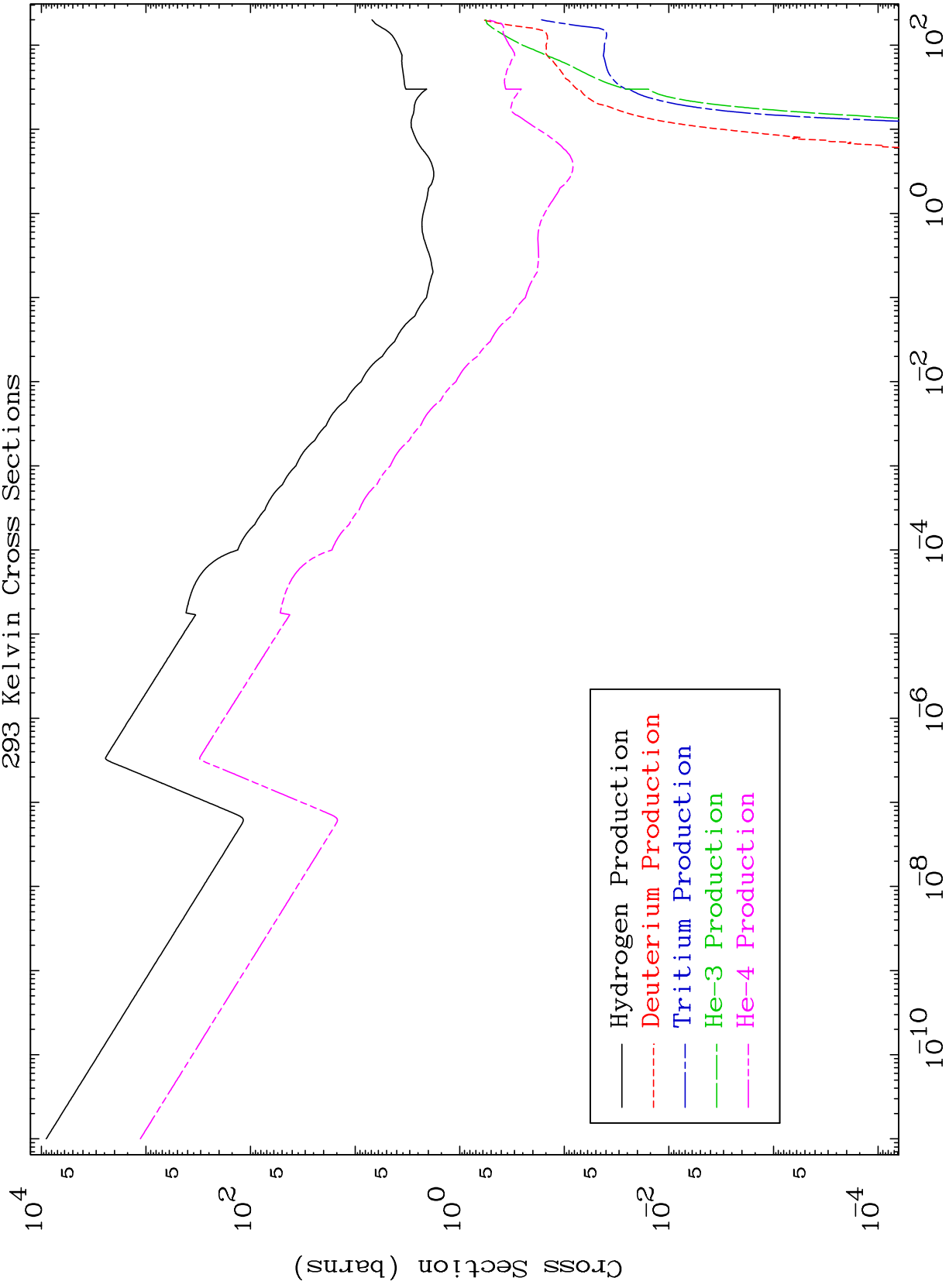




MAT 7262

Particle Production
293 Kelvin Cross Sections

73-Ta-159



7

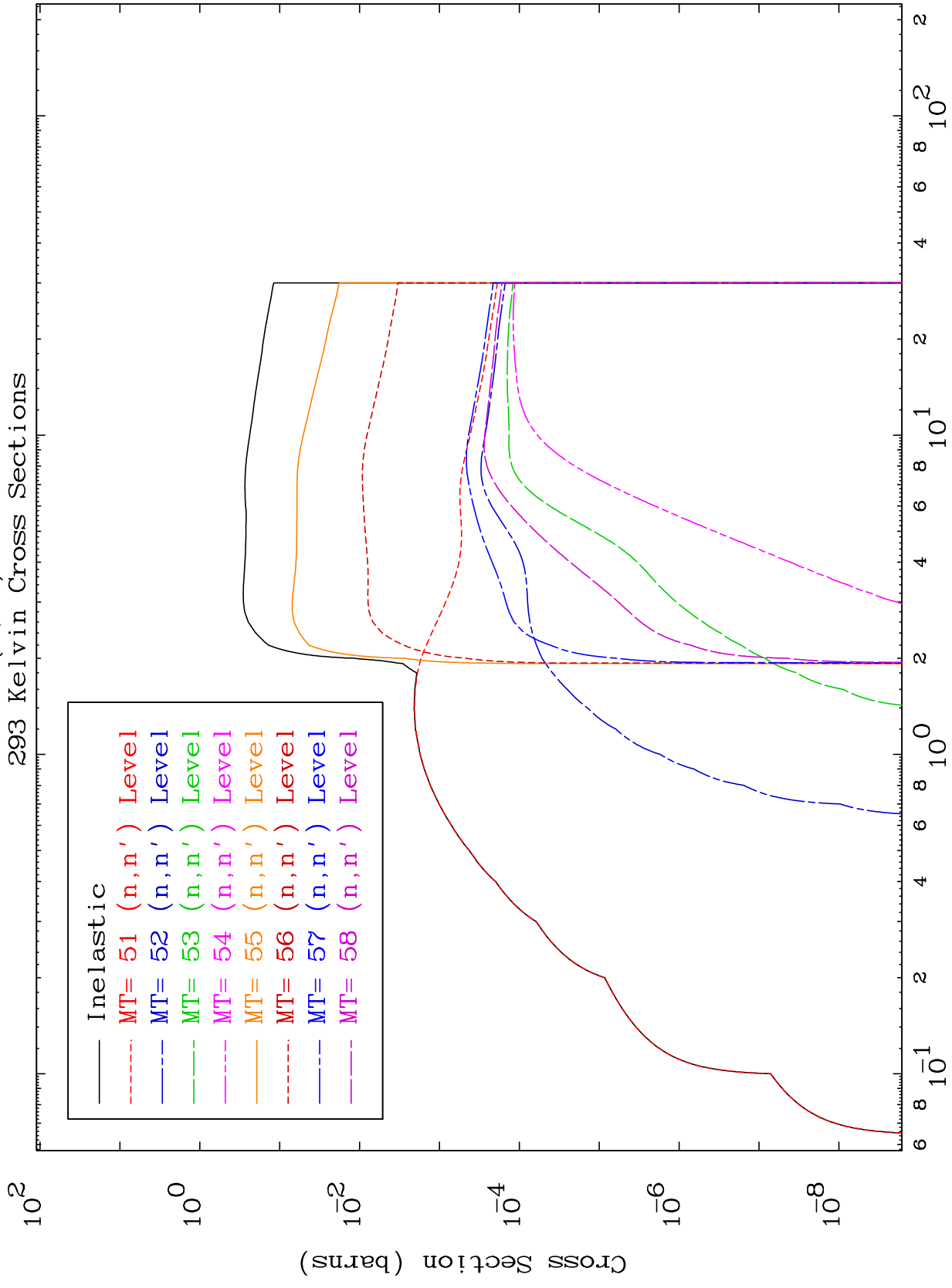
Incident Energy (MeV)

73-Ta-159

MAT 7262

293 Kelvin Cross Sections

73-Ta-159



8

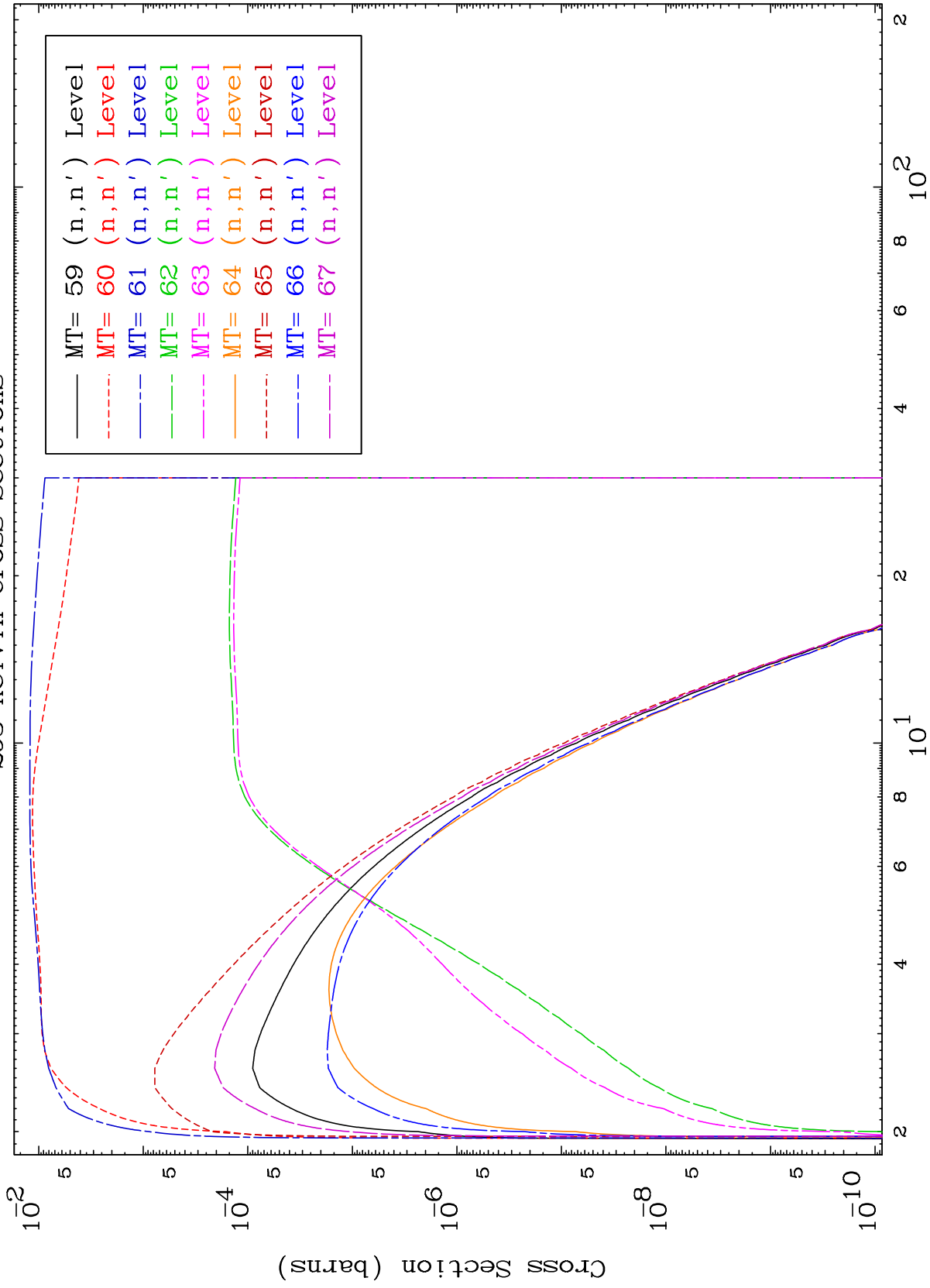
Incident Energy (MeV)

73-Ta-159

MAT 7262

(n,n') Level
293 Kelvin Cross Sections

73-Ta-159



9

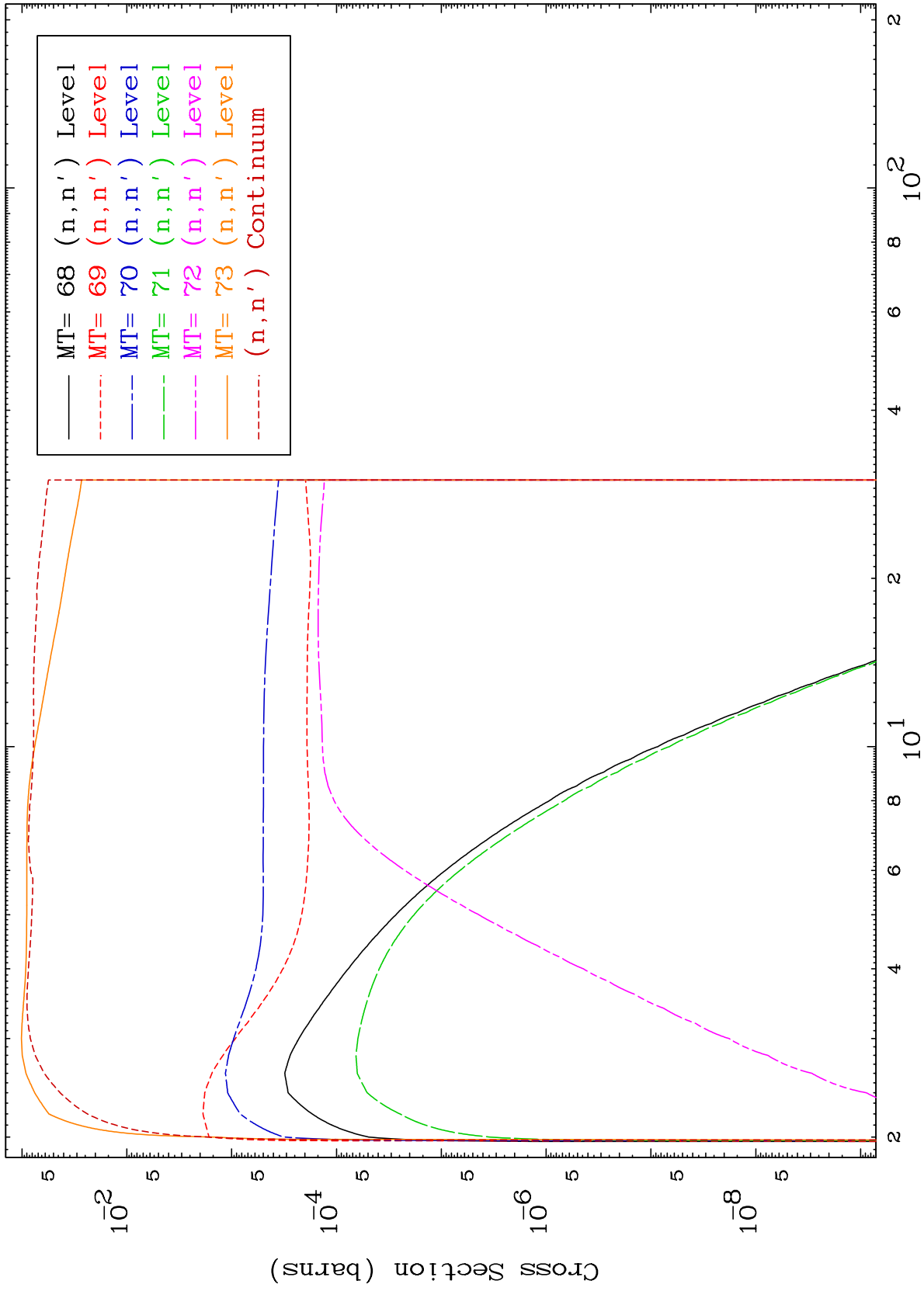
Incident Energy (MeV)

73-Ta-159

MAT 7262

(n,n') Level
293 Kelvin Cross Sections

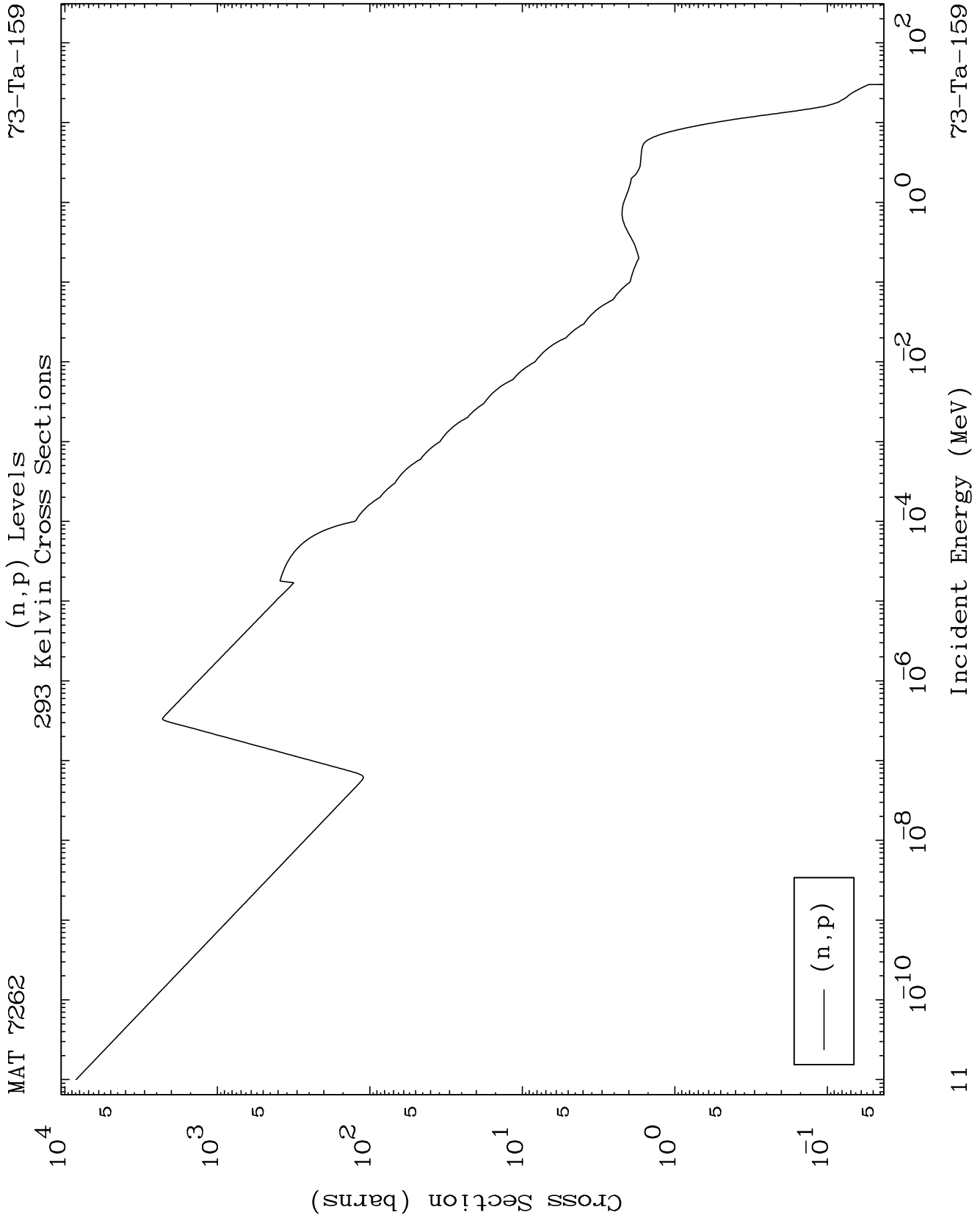
73-Ta-159



10

Incident Energy (MeV)

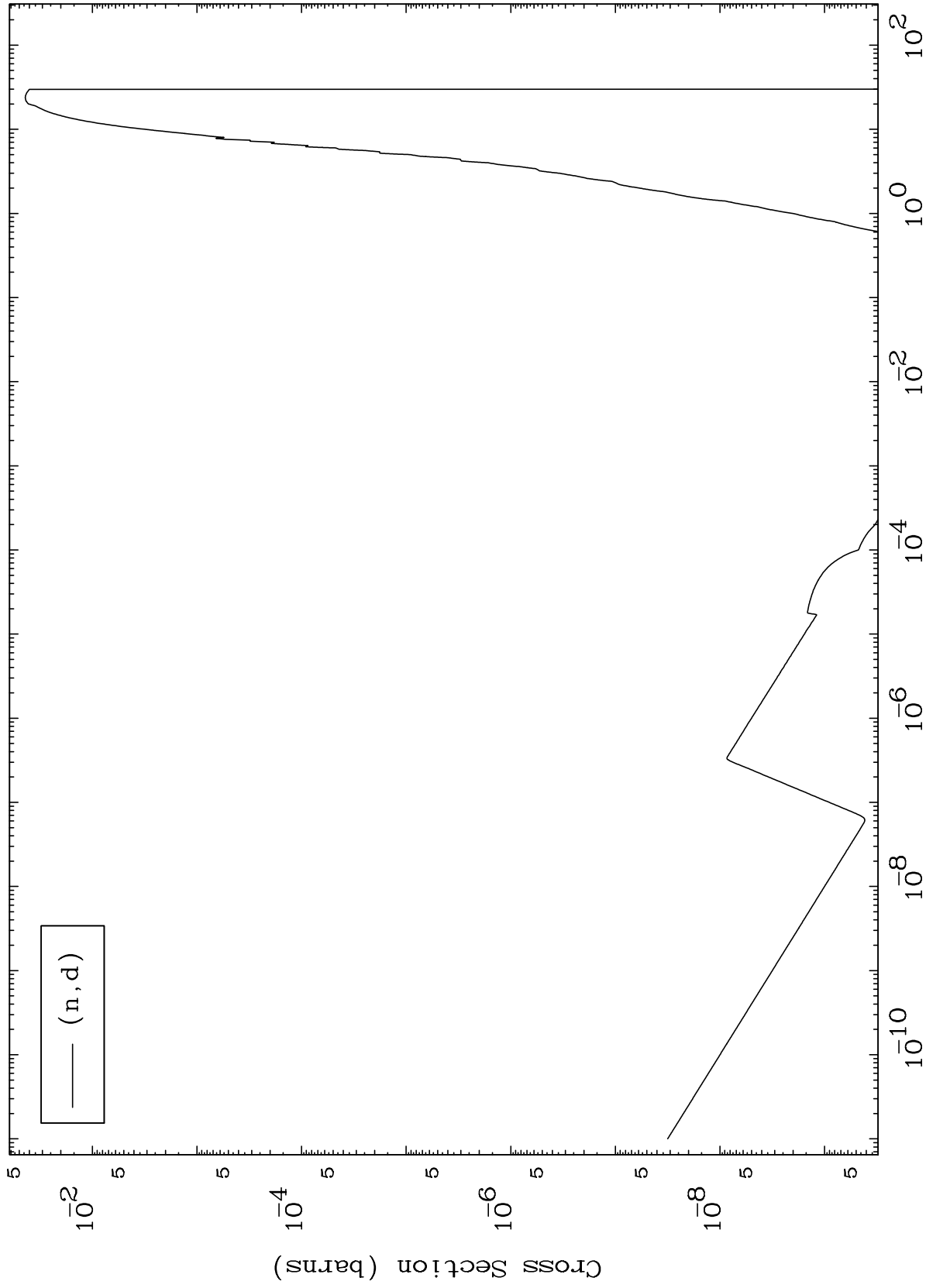
73-Ta-159



MAT 7262

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-159



12

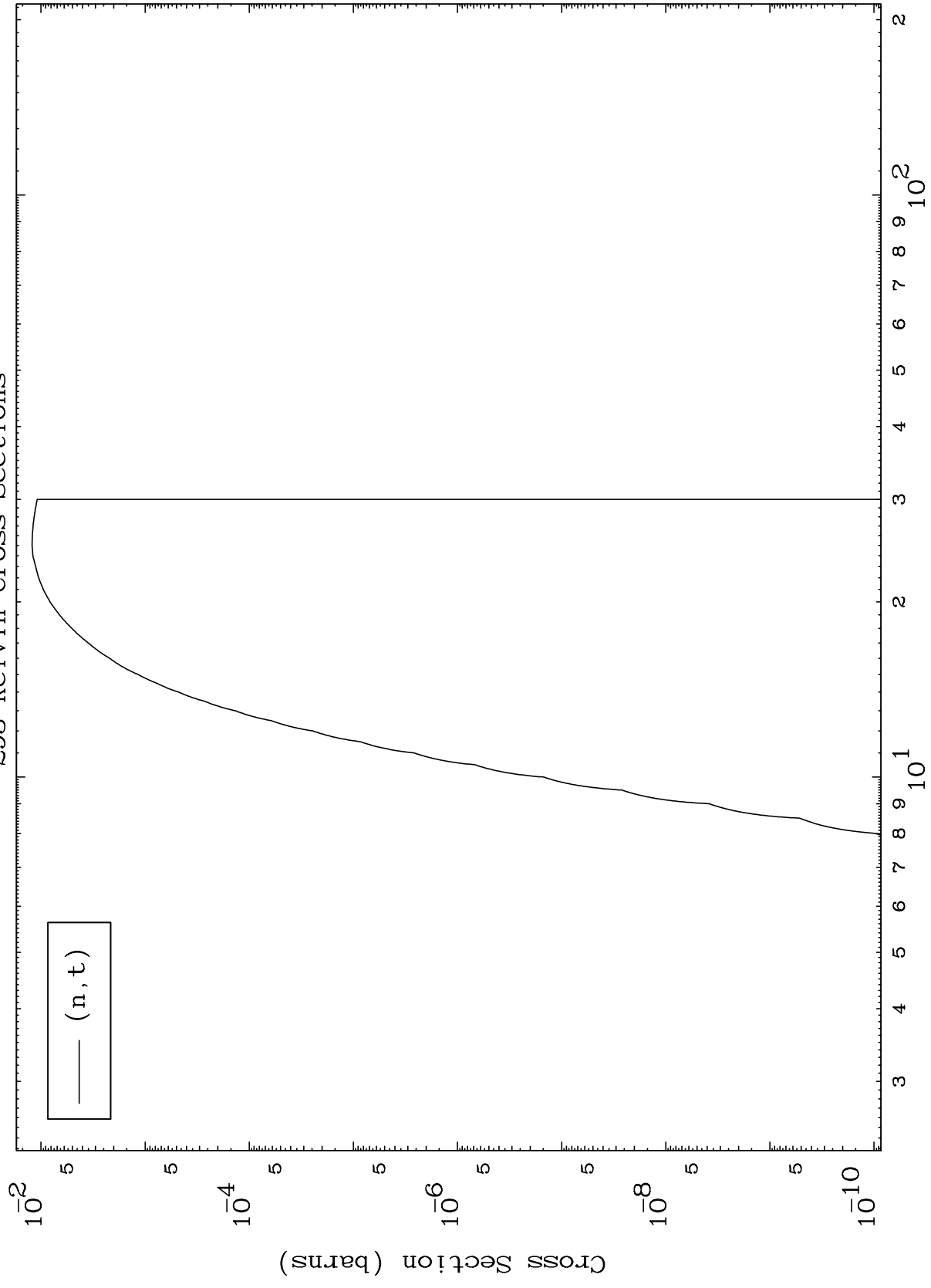
Incident Energy (MeV)

73-Ta-159

MAT 7262

(n,t) Levels
293 Kelvin Cross Sections

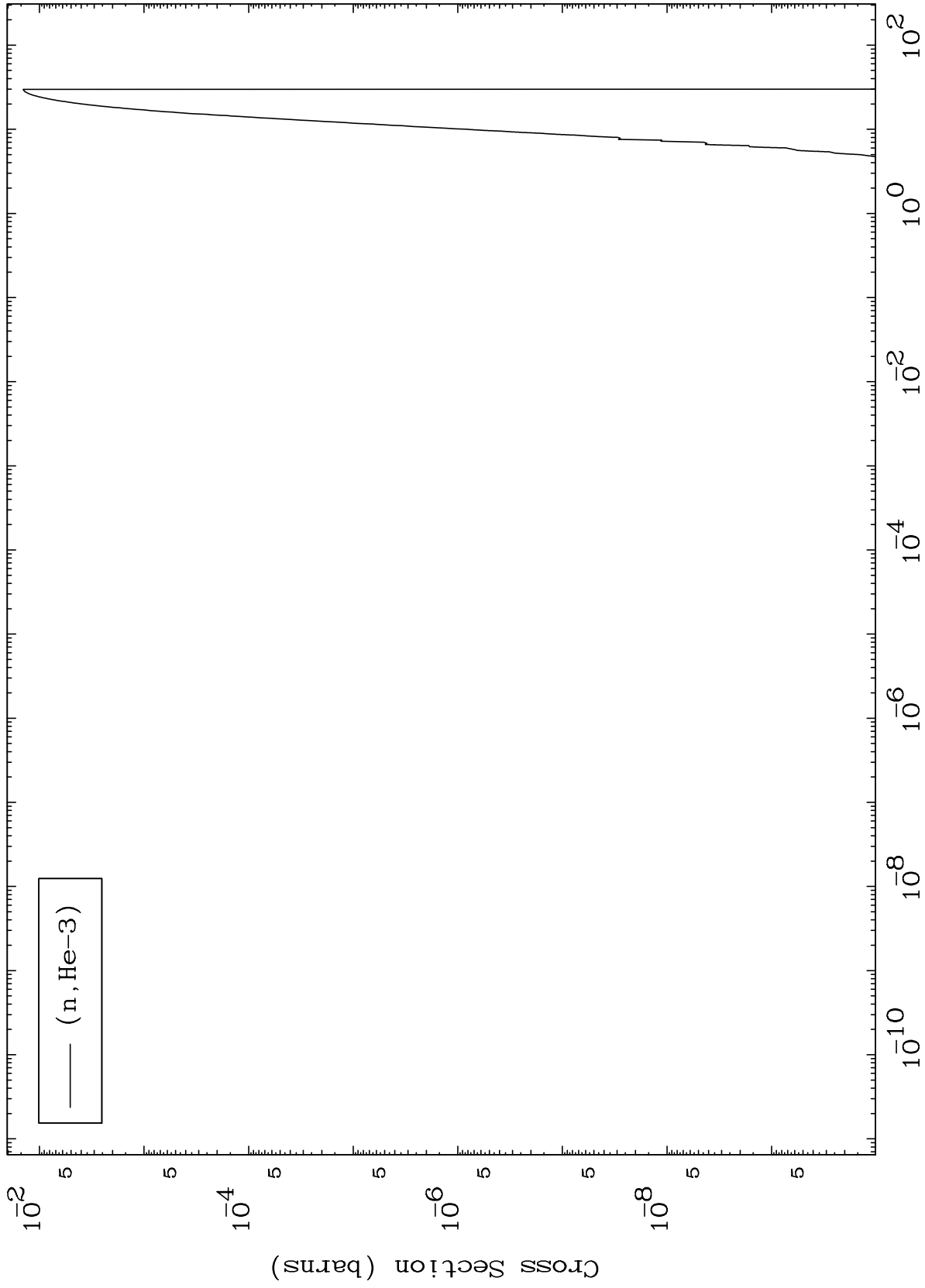
73-Ta-159



MAT 7262

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-159



14

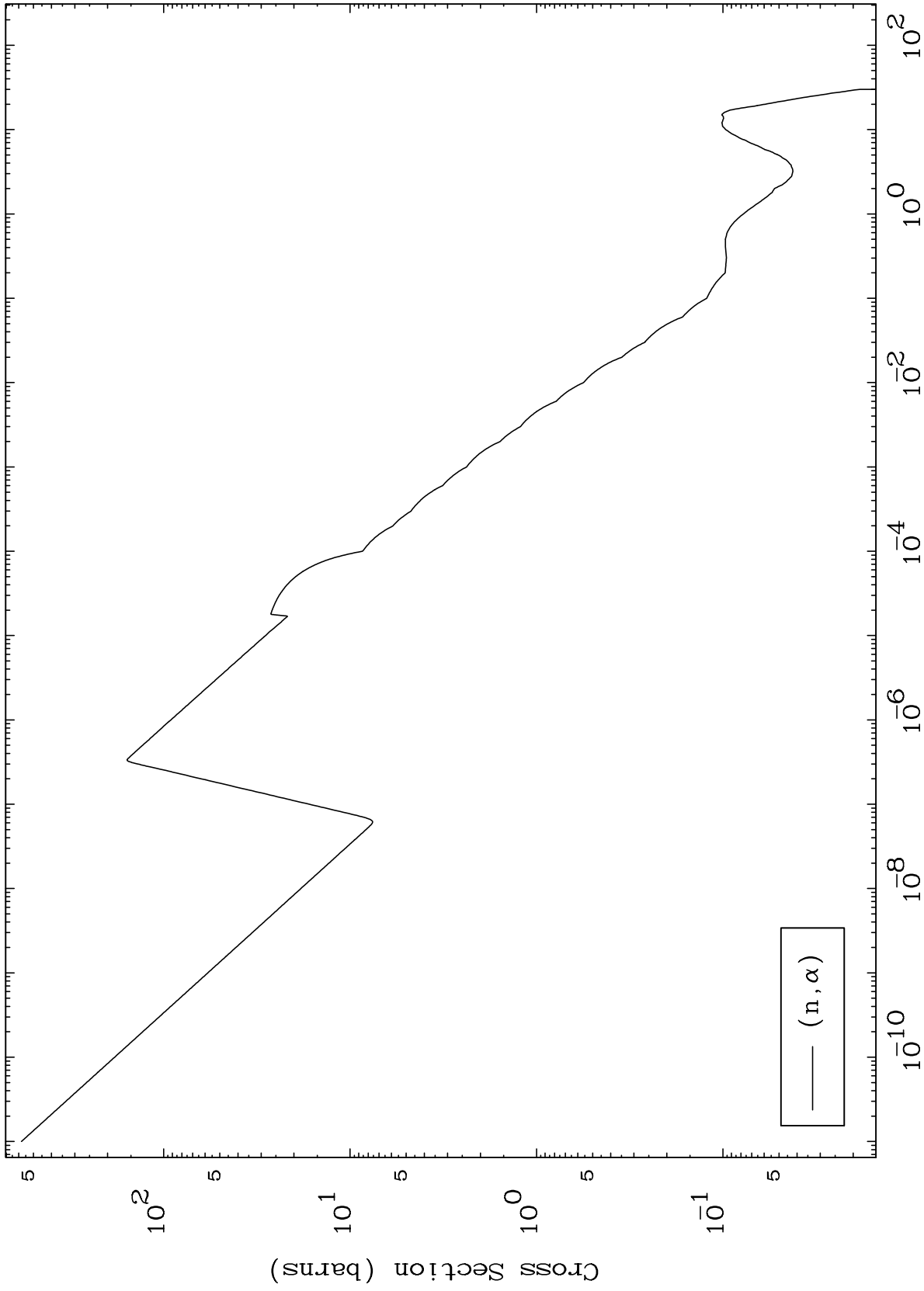
Incident Energy (MeV)

73-Ta-159

MAT 7262

(n,α) Levels
293 Kelvin Cross Sections

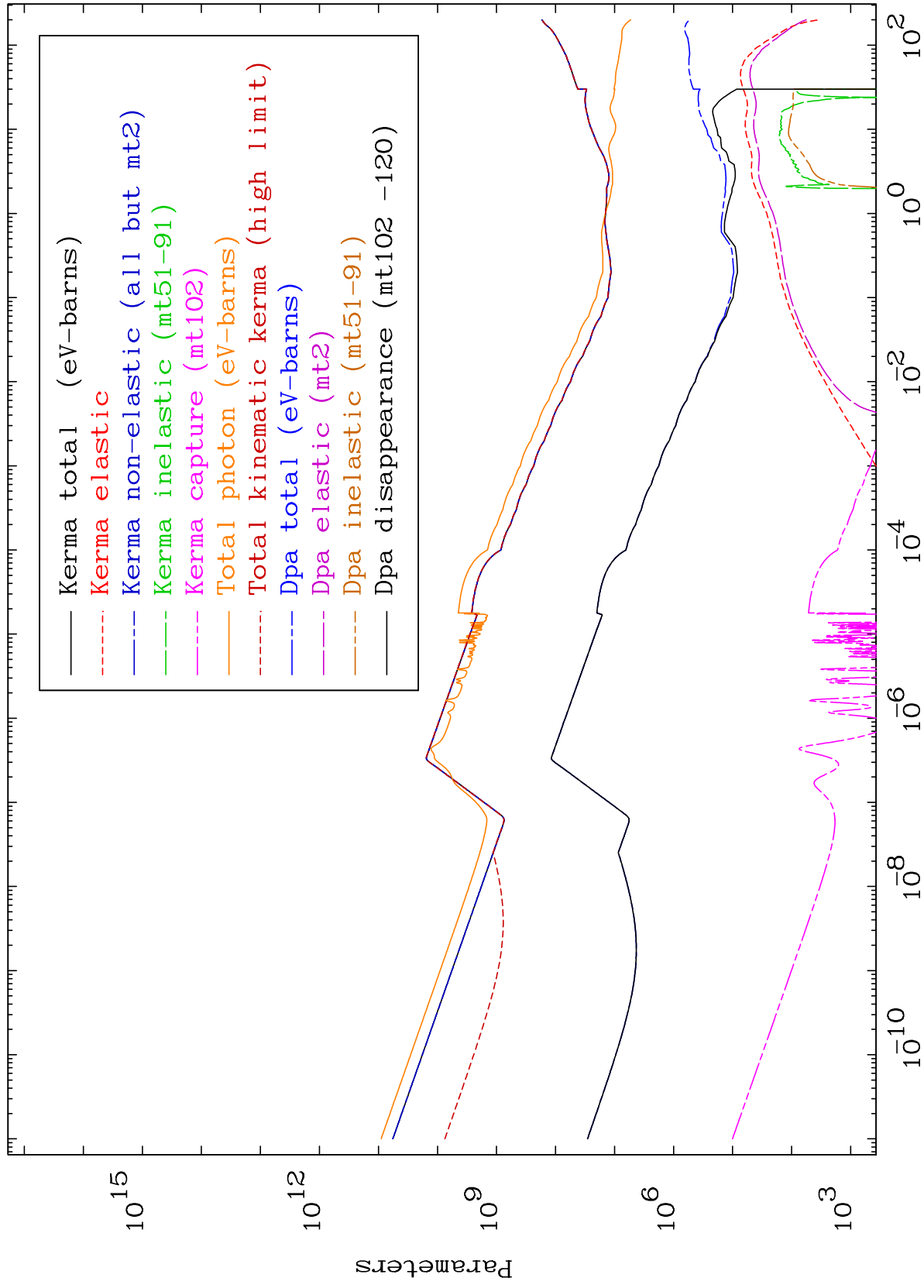
73-Ta-159



15

Incident Energy (MeV)

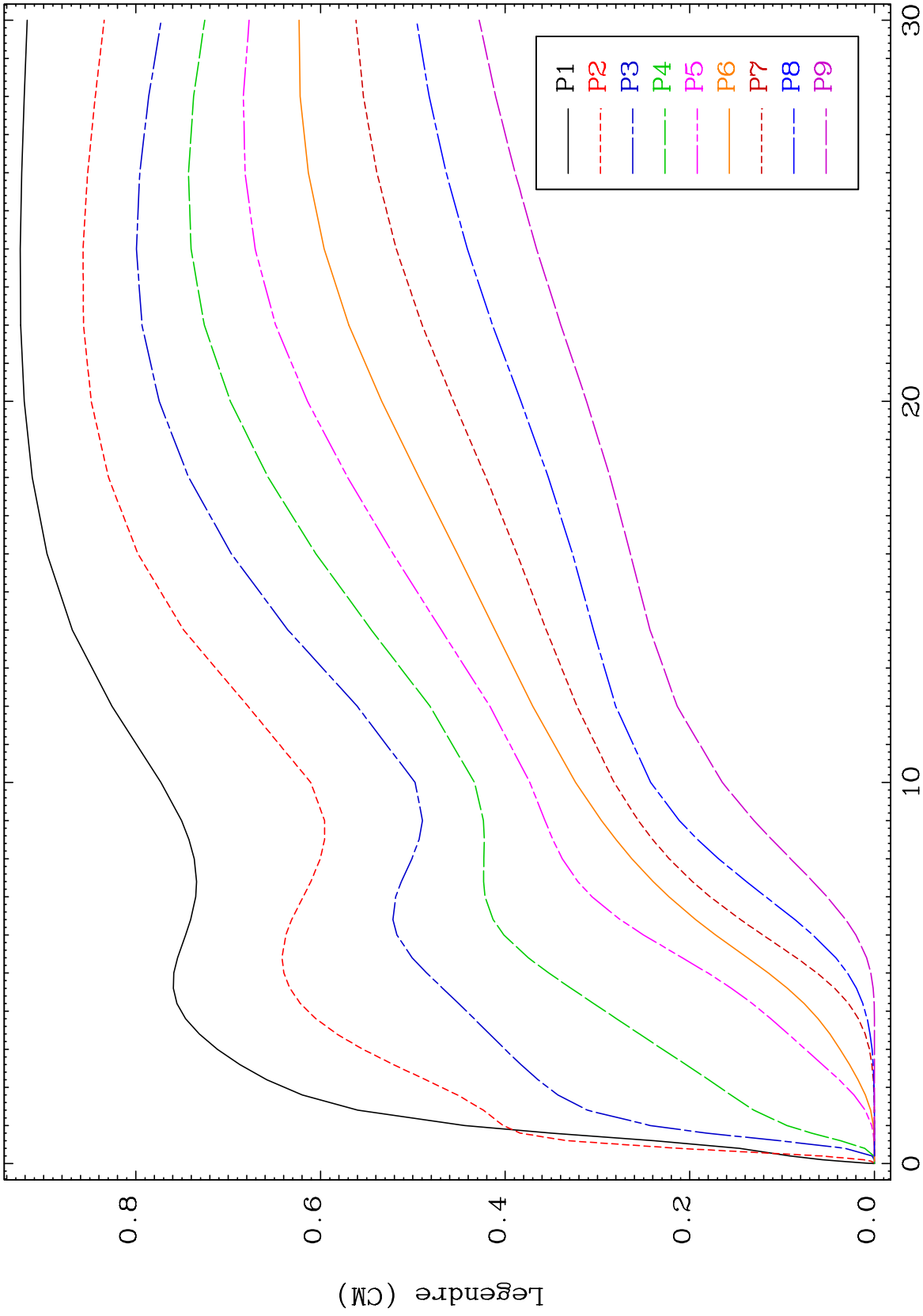
73-Ta-159



MAT 7262

Elastic Legendre Coefficients

73-Ta-159



17

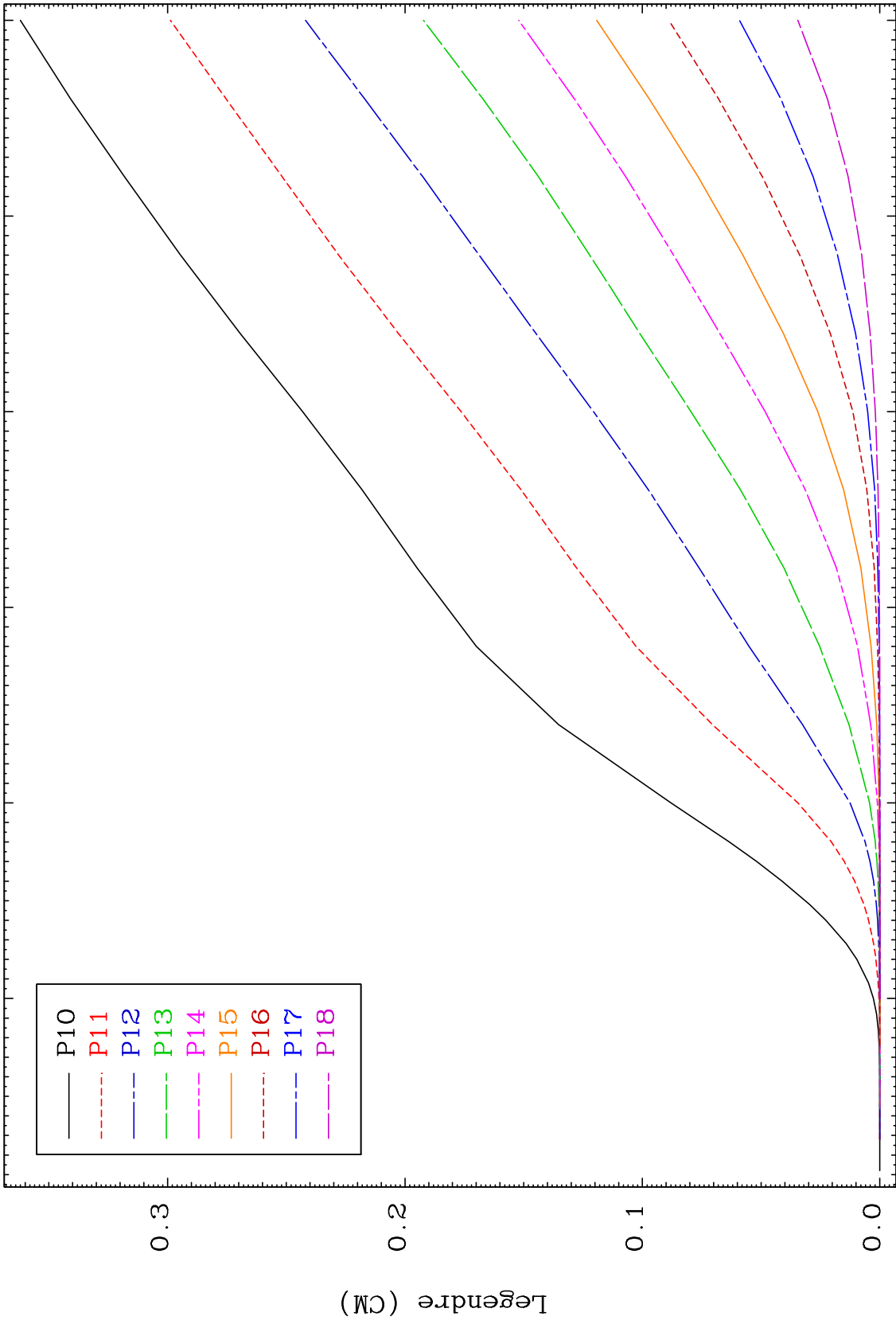
Incident Energy (MeV)

73-Ta-159

MAT 7262

Elastic Legendre Coefficients

⁷³Ta-159



18

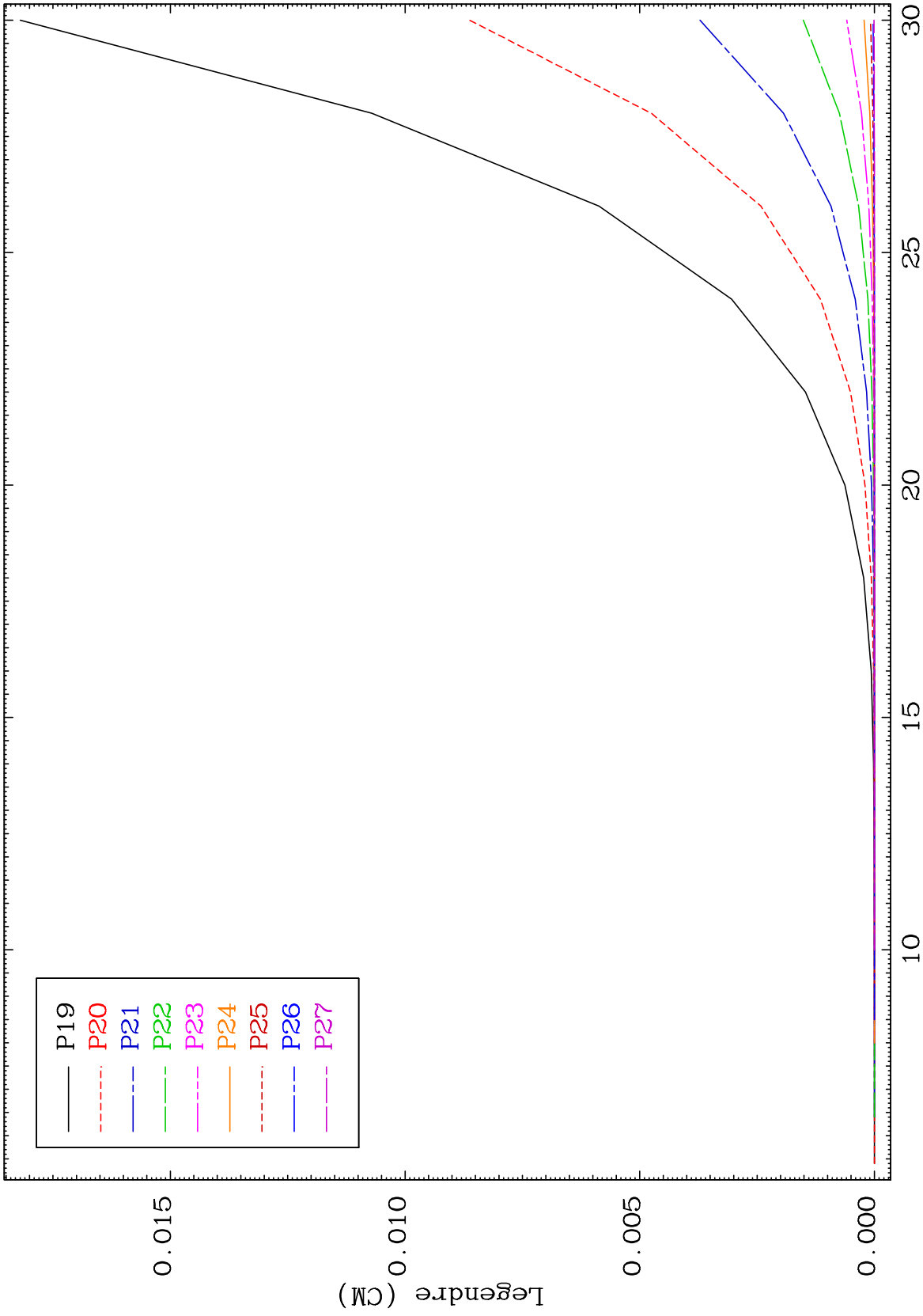
Incident Energy (MeV)

⁷³Ta-159

MAT 7262

Elastic Legendre Coefficients

73-Ta-159



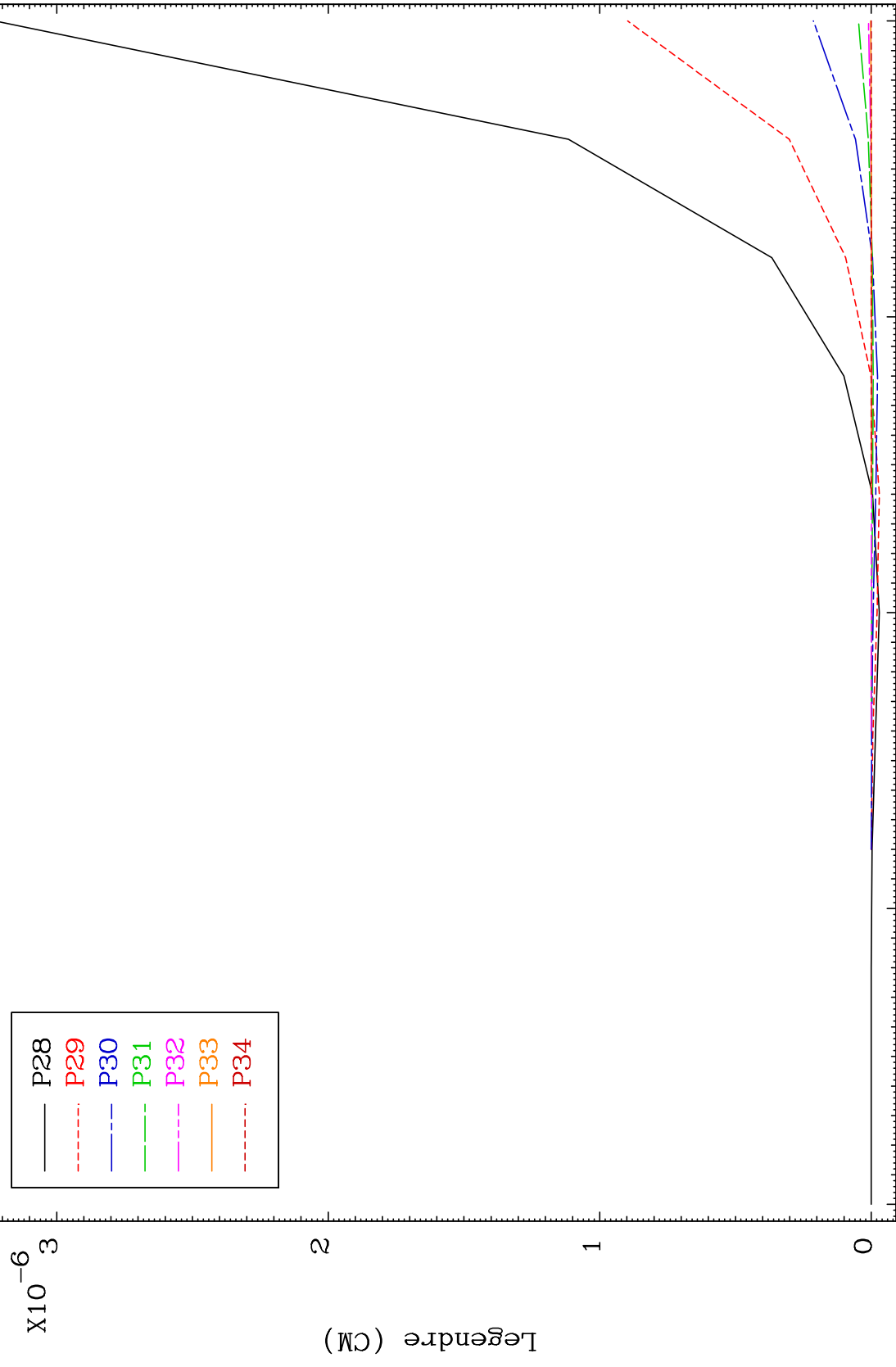
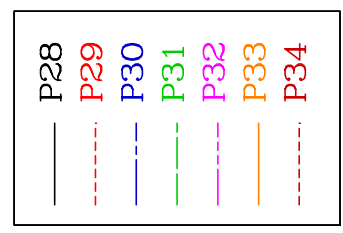
19

73-Ta-159

MAT 7262

Elastic Legendre Coefficients

73-Ta-159



20

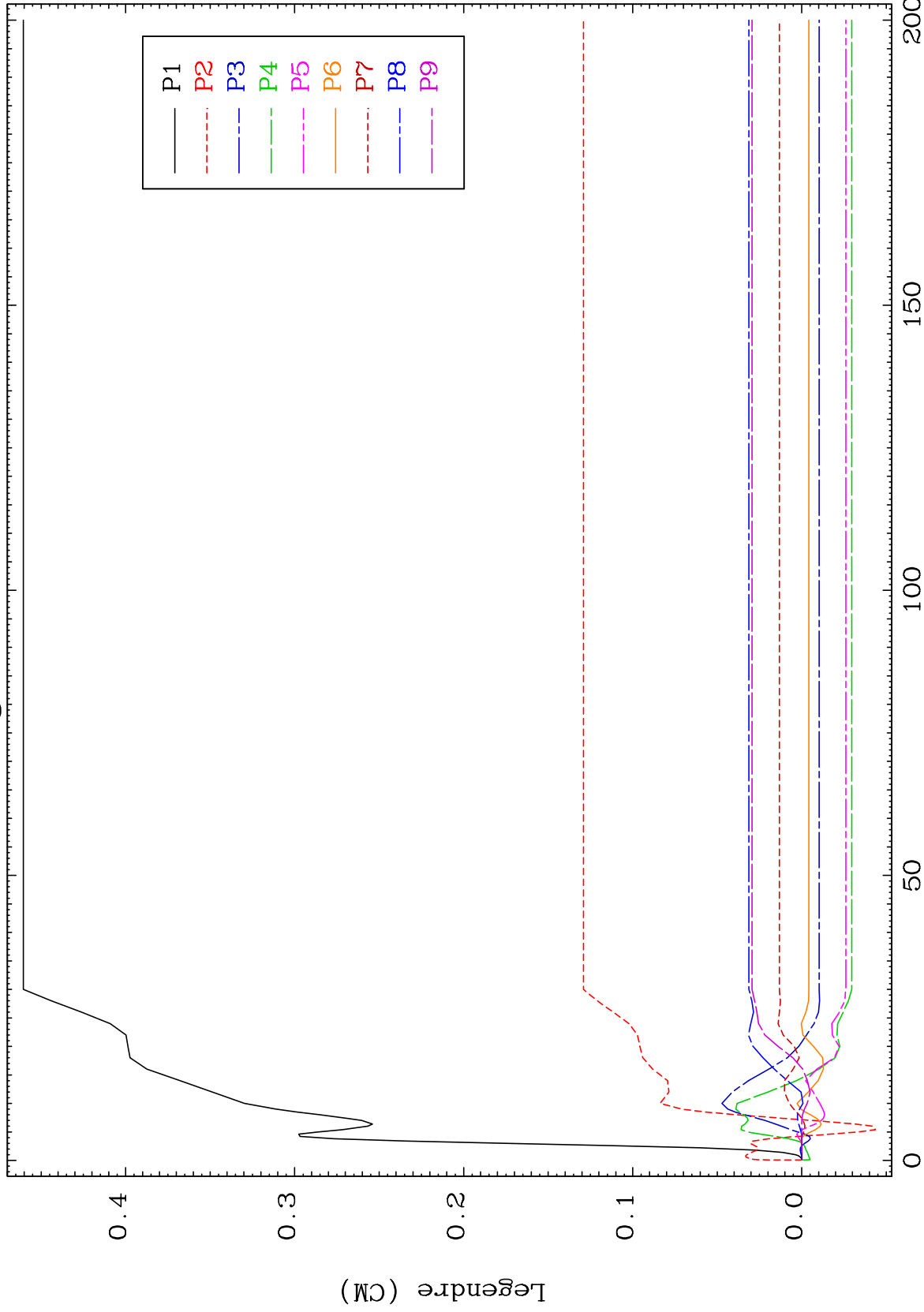
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



21

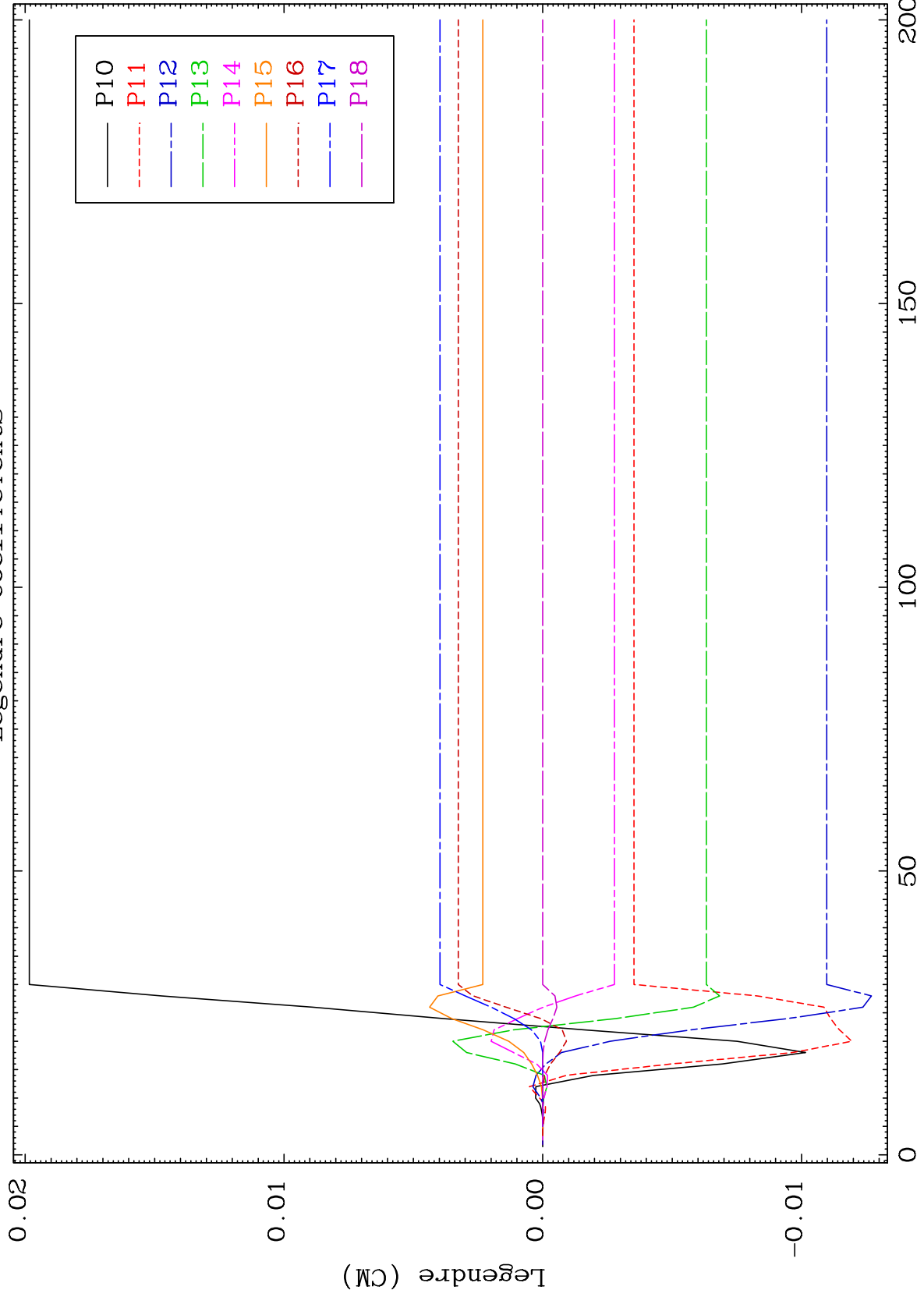
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



22

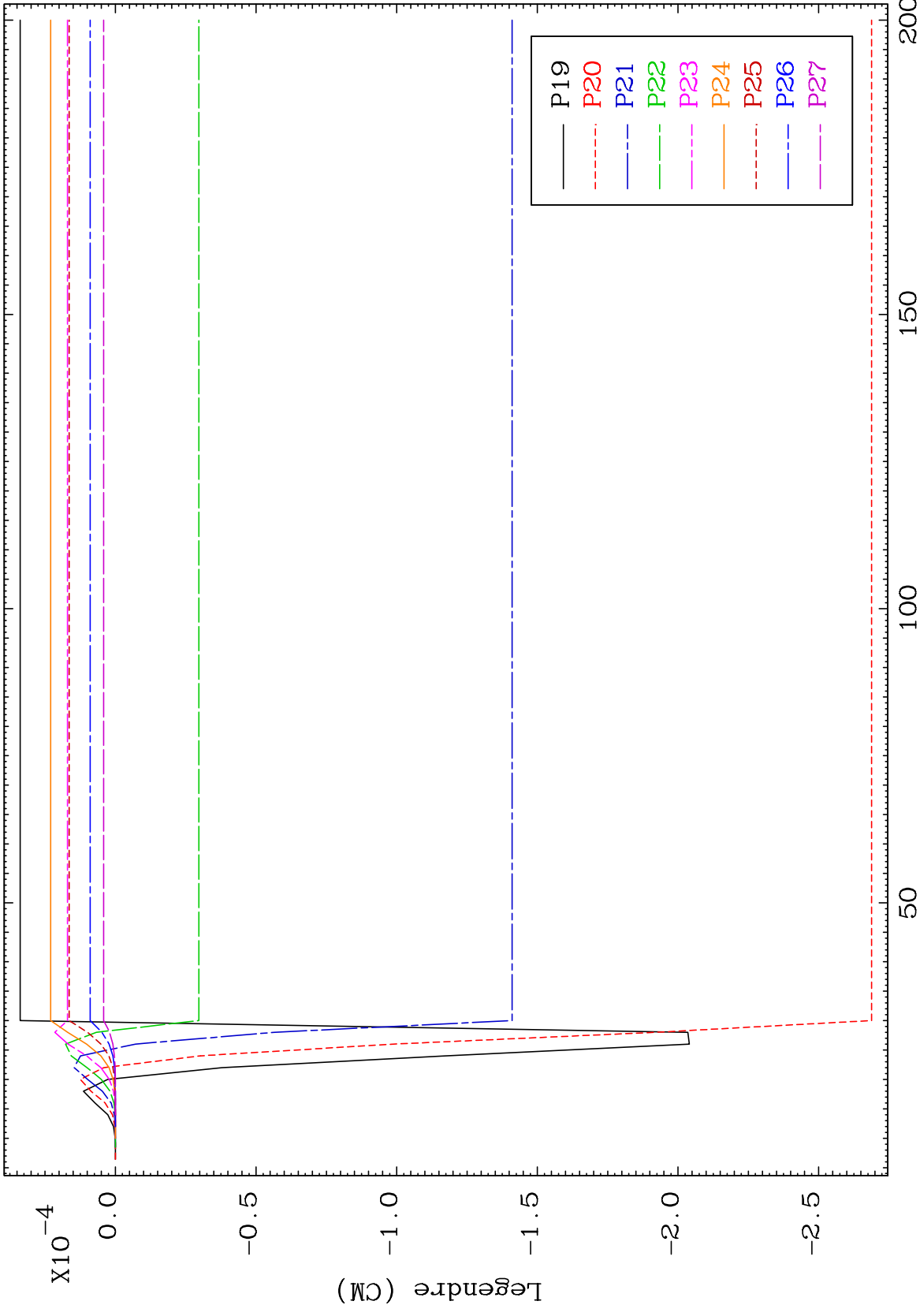
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



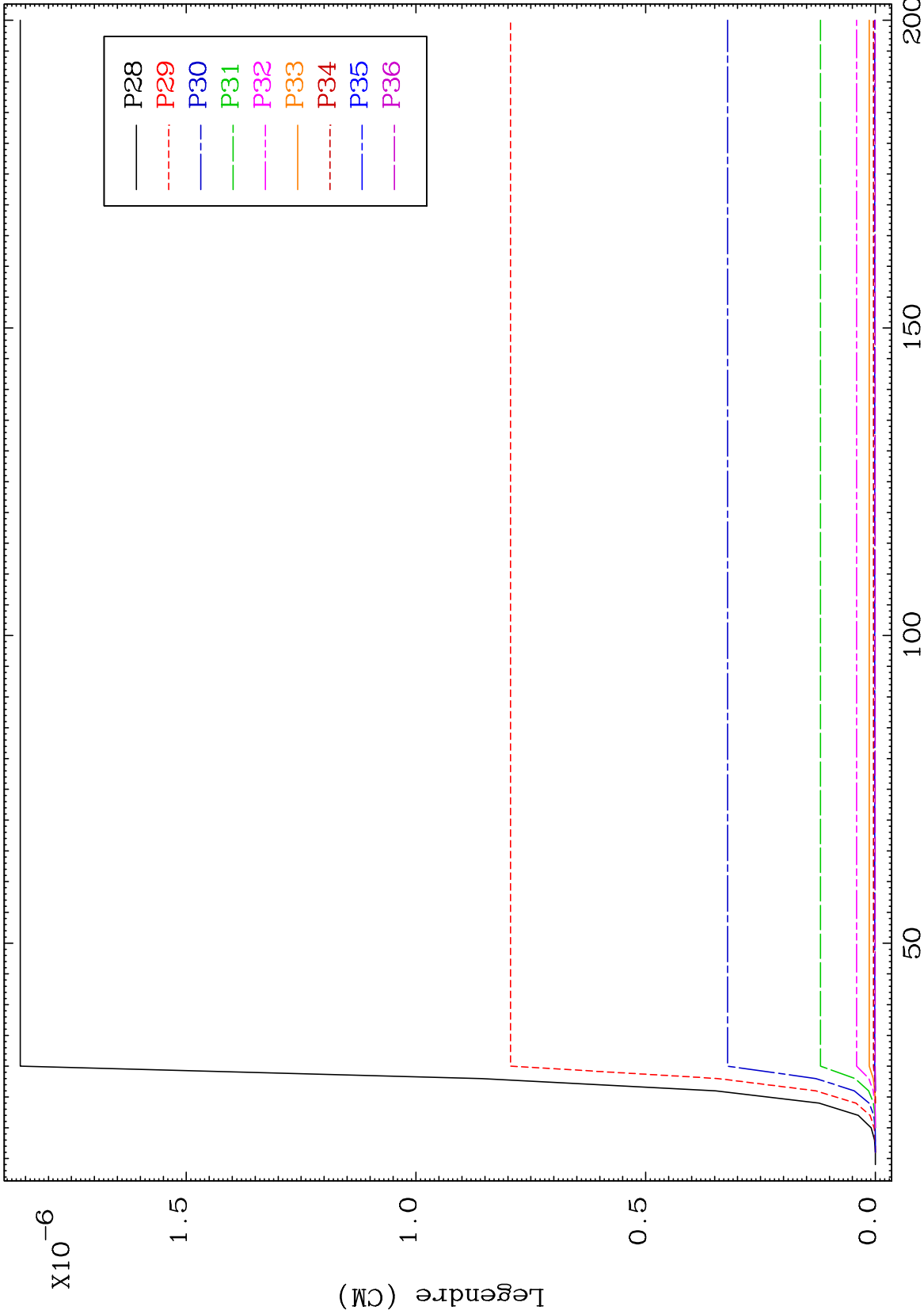
23

73-Ta-159

MAT 7262

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

73-Ta-159



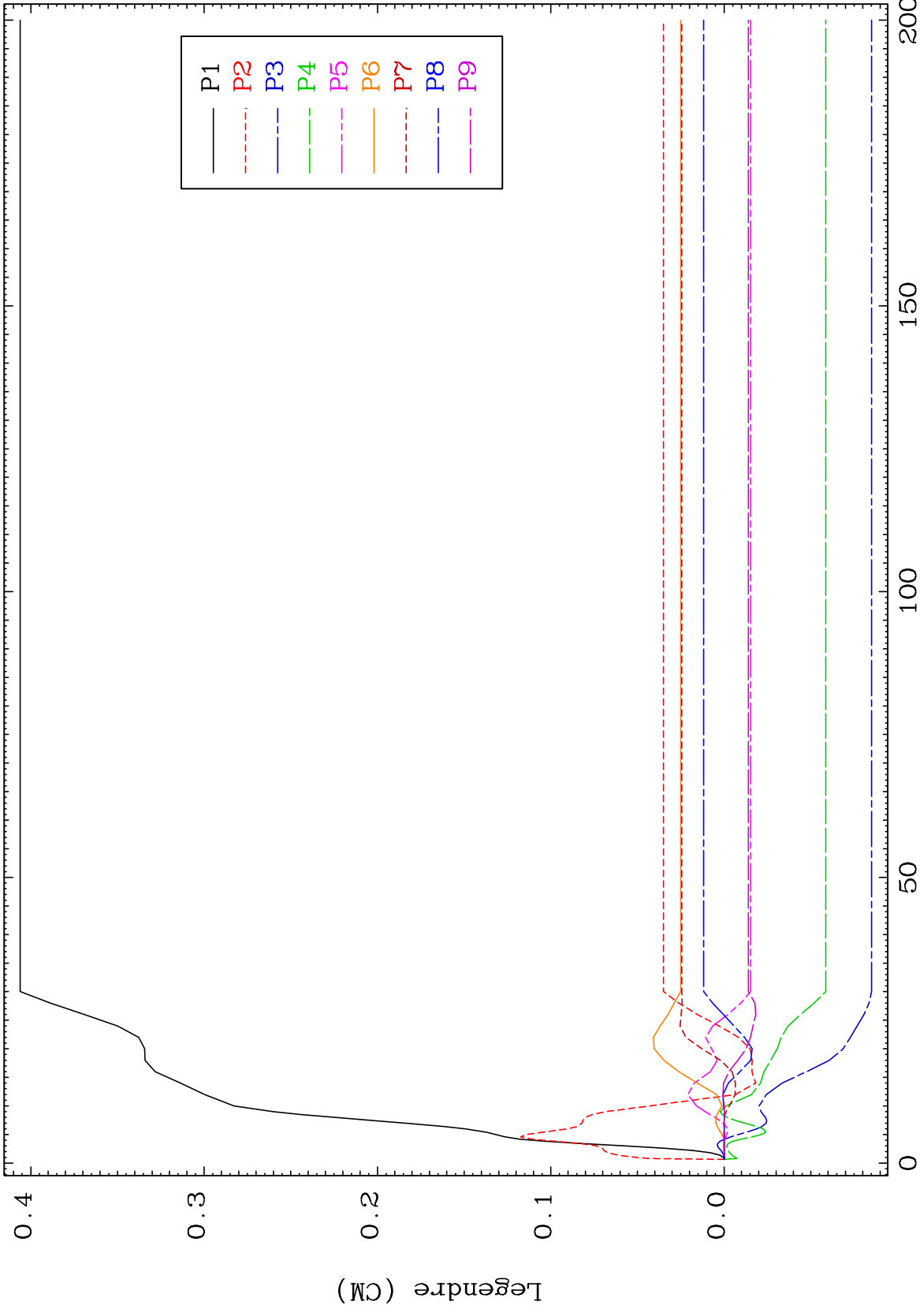
24

73-Ta-159

MAT 7262

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

73-Ta-159



25

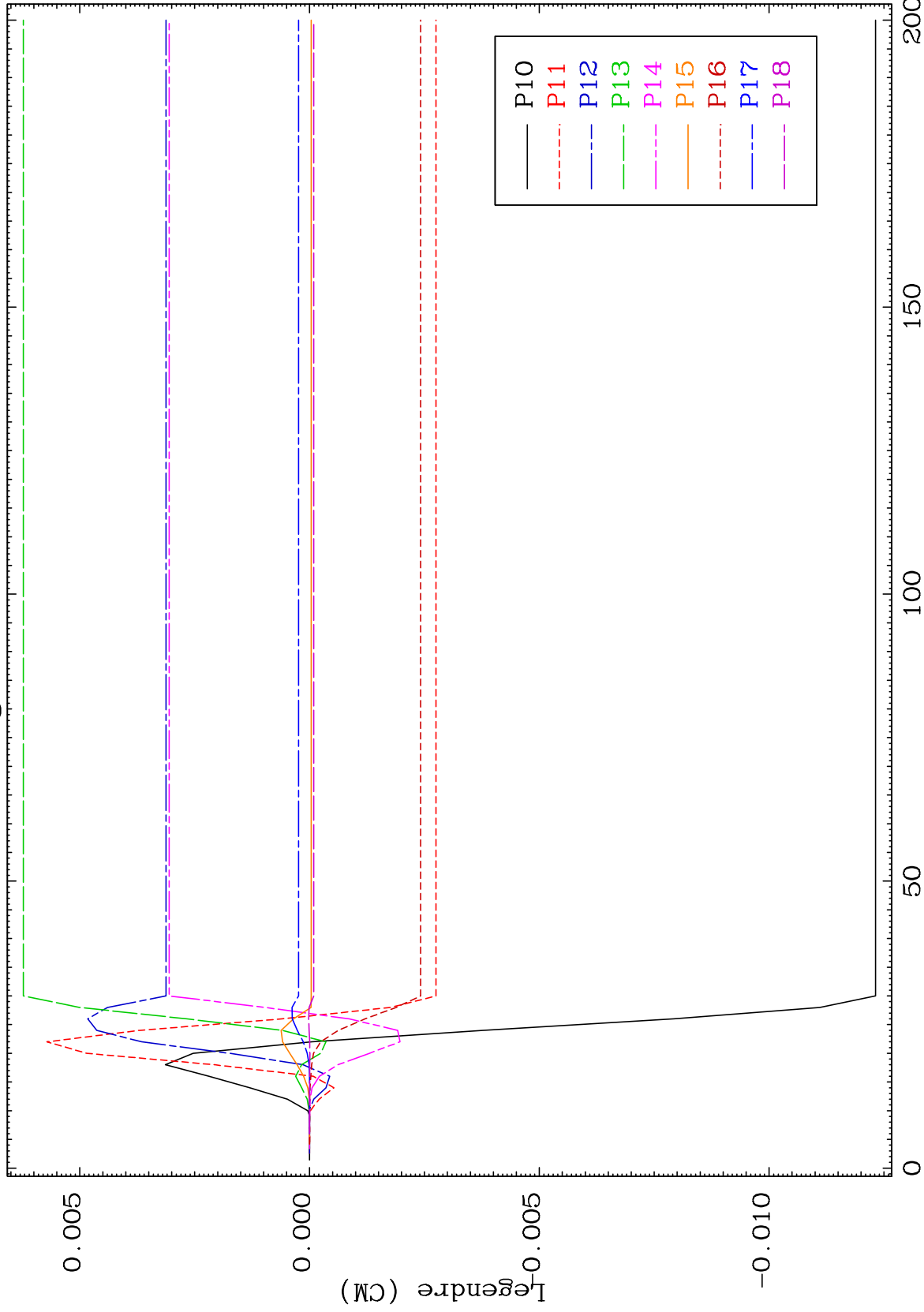
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



26

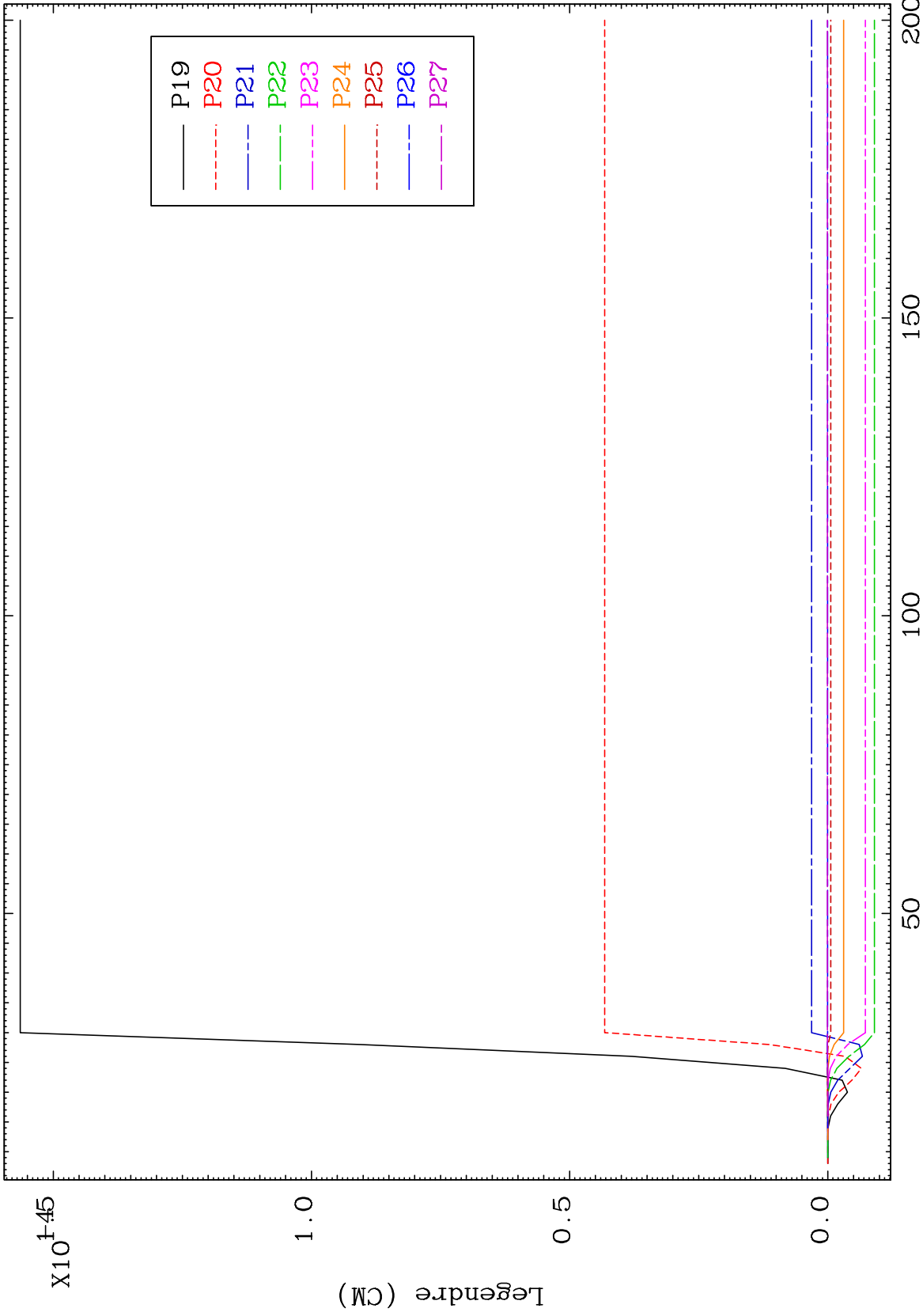
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



27

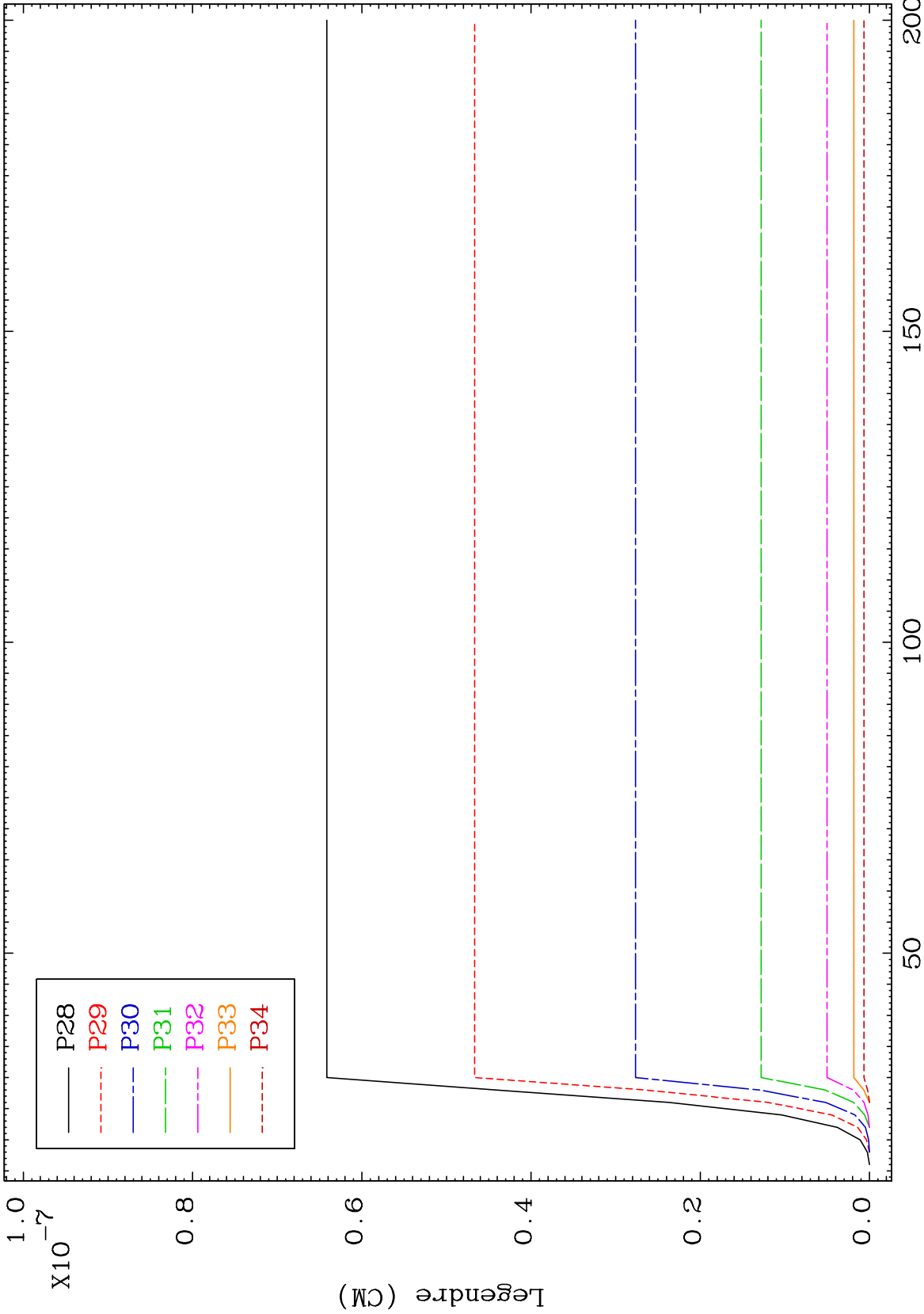
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



28

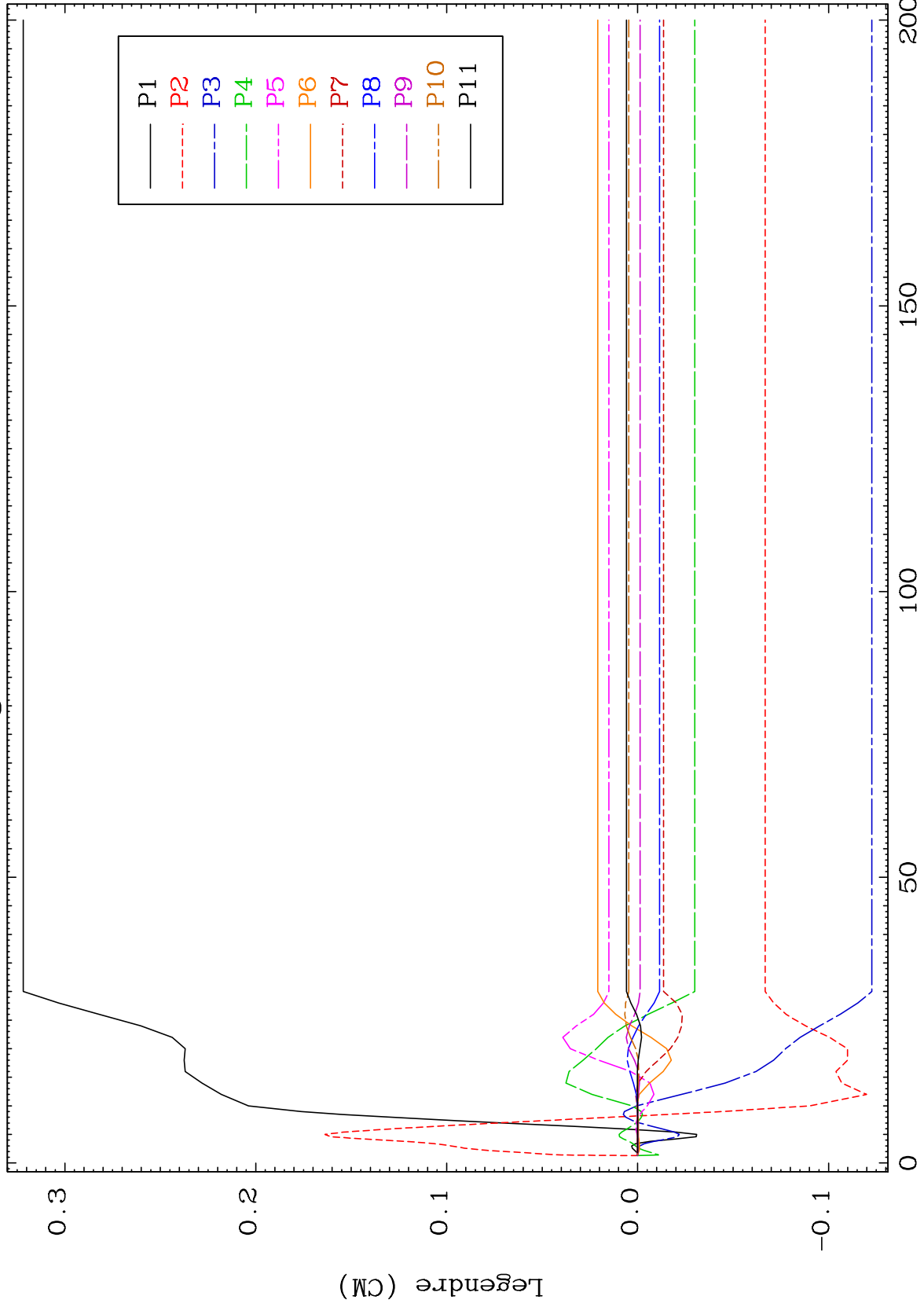
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



29

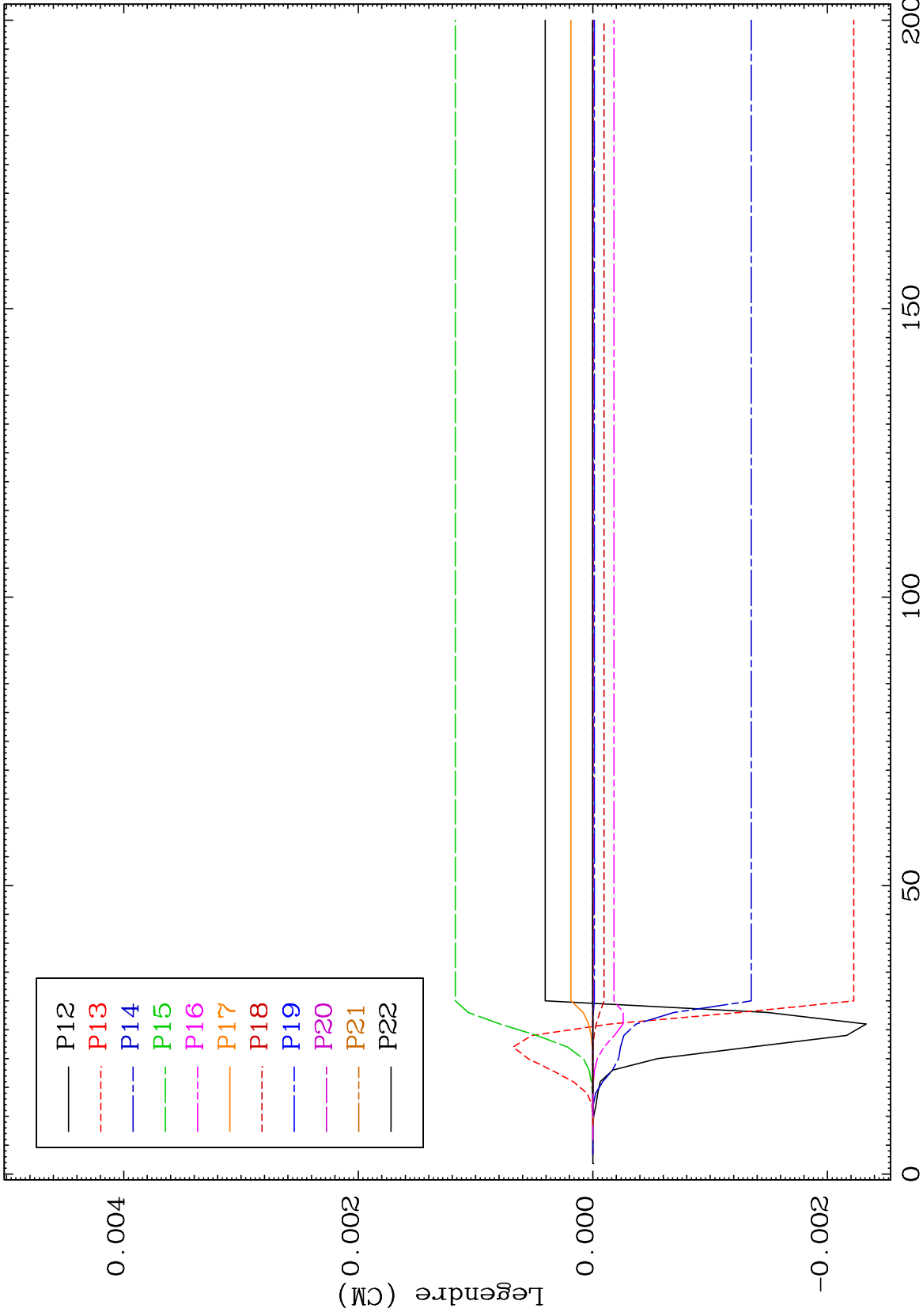
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



30

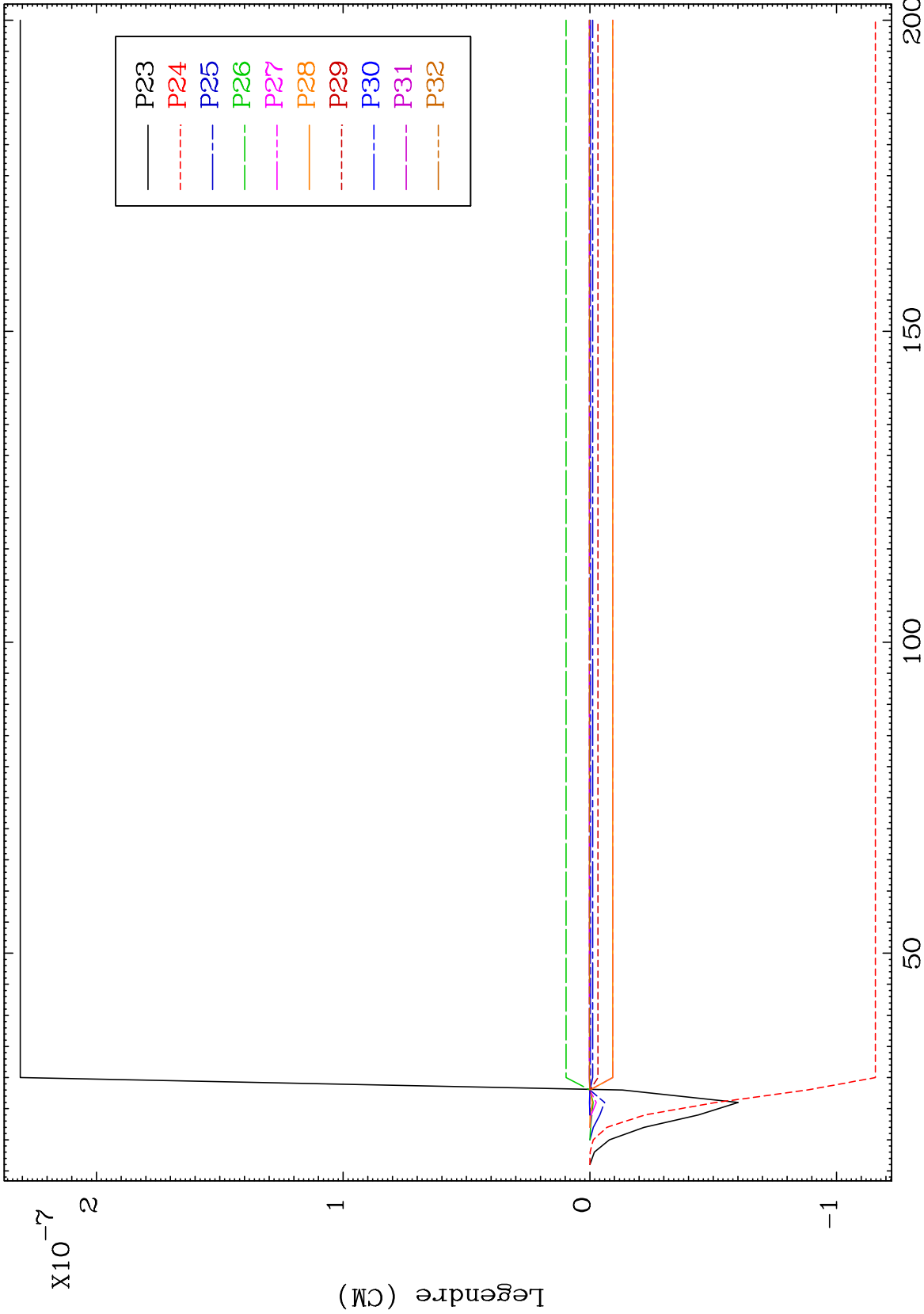
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



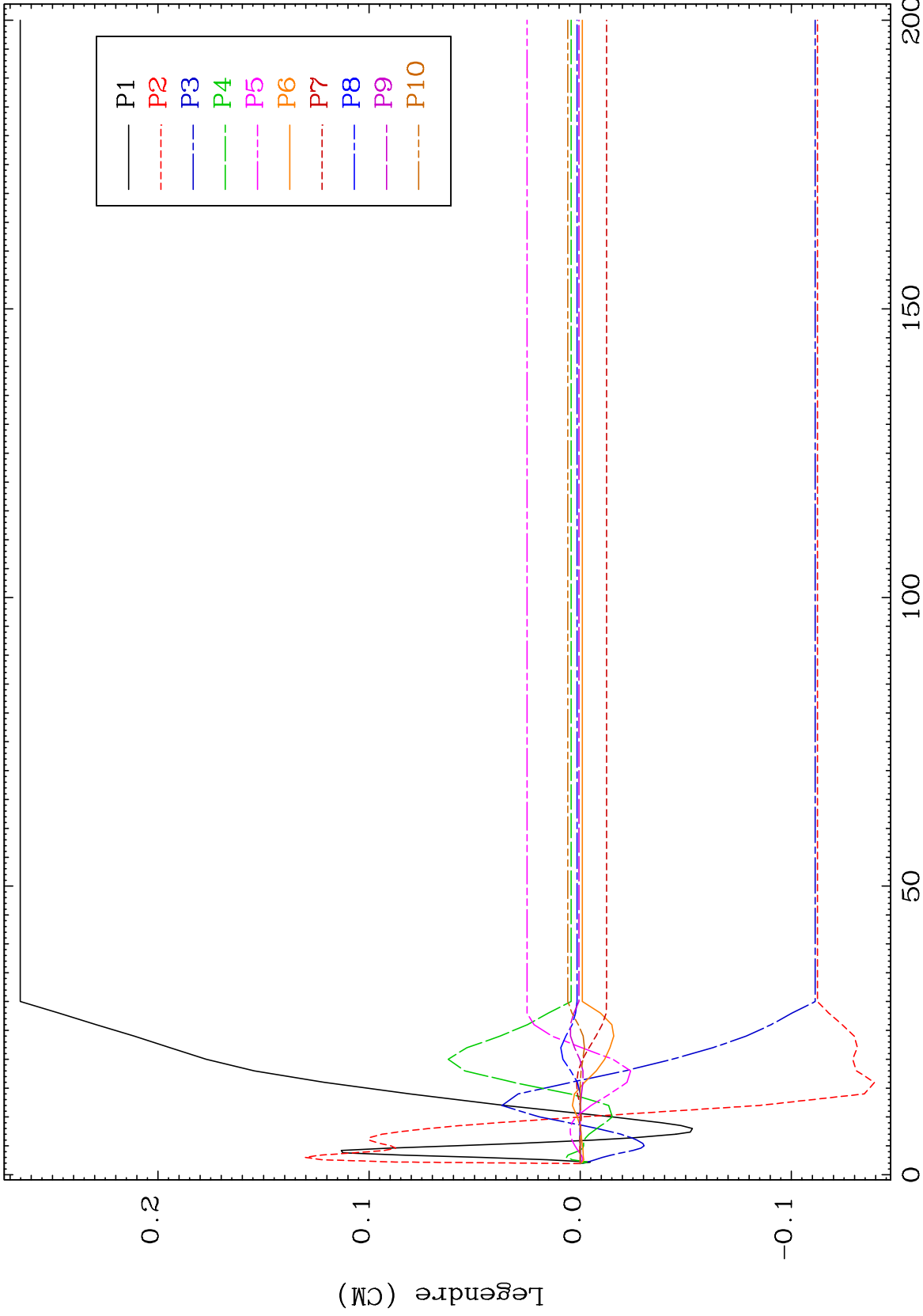
31

73-Ta-159

MAT 7262

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

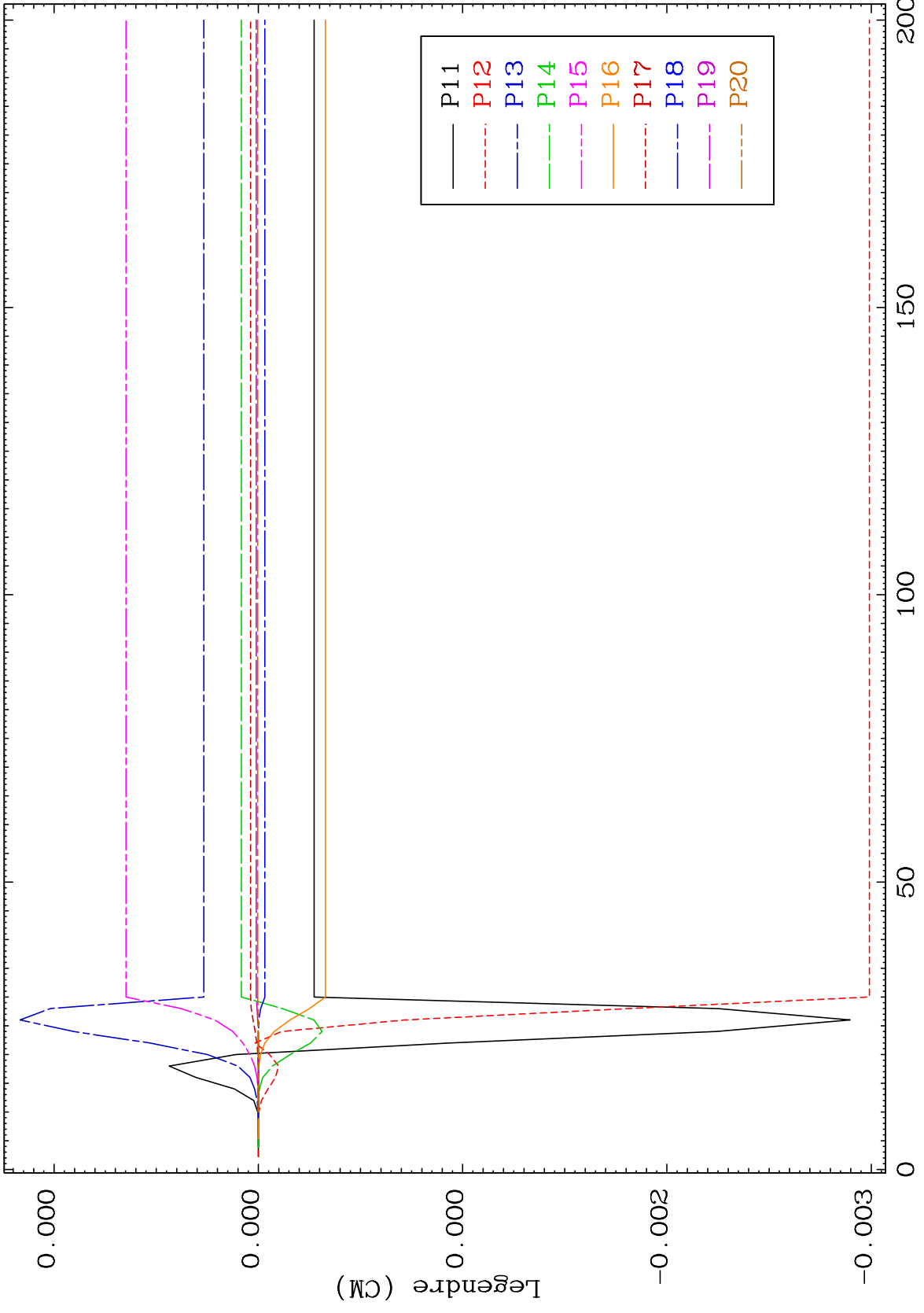
73-Ta-159



MAT 7262

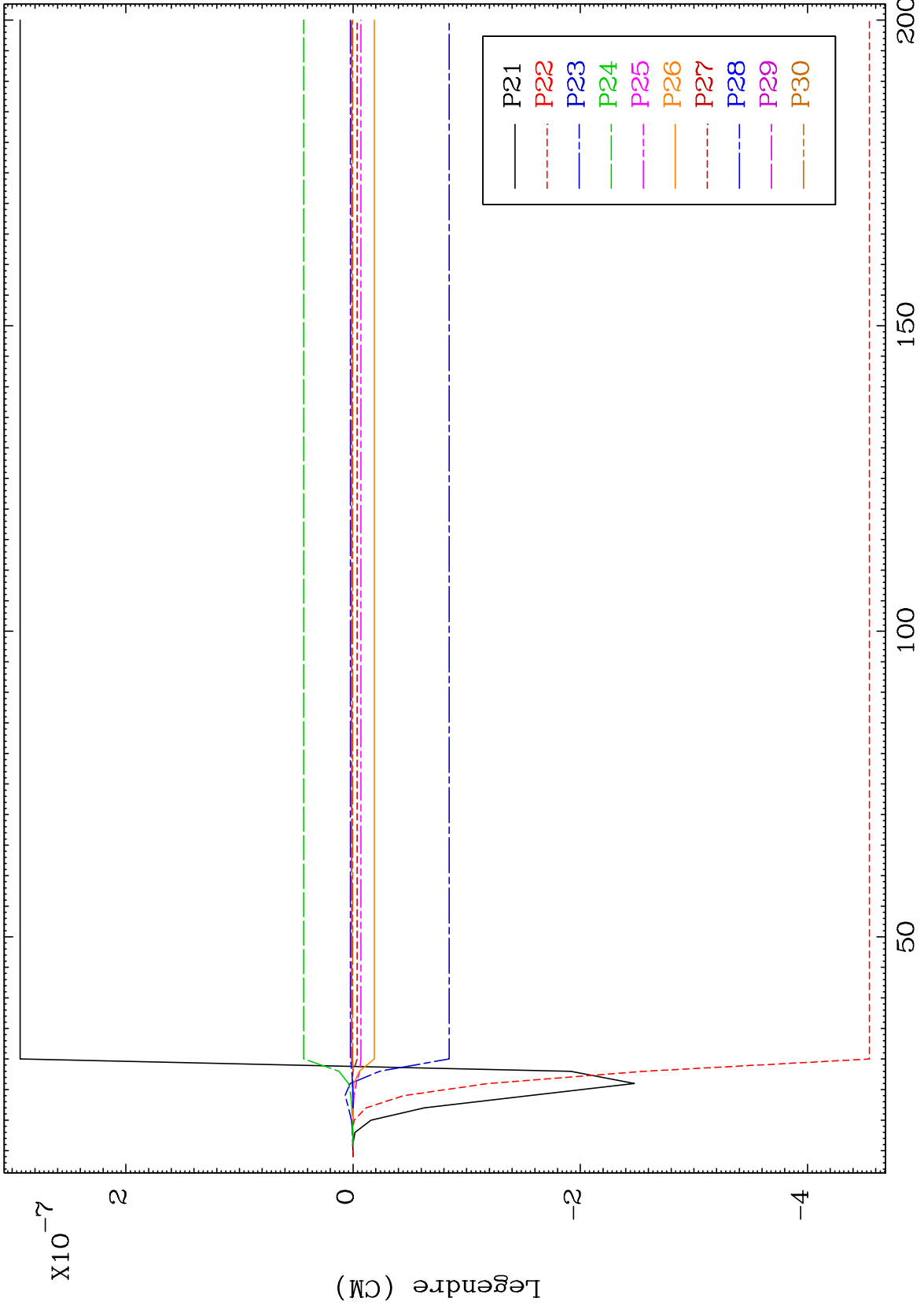
MT= 54 (n,n') Level
Legendre Coefficients

73-Ta-159



33

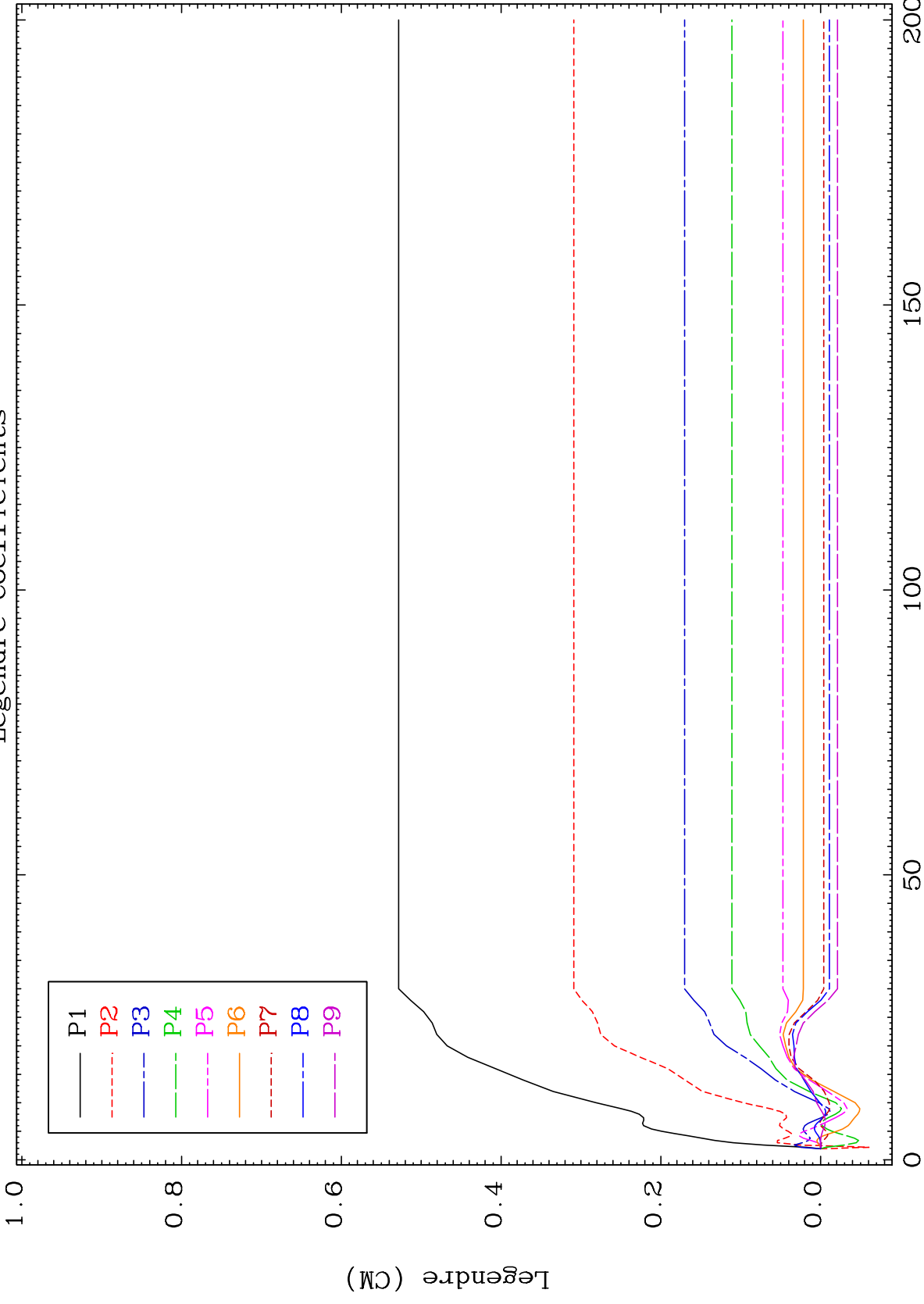
73-Ta-159



MAT 7262

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

73-Ta-159



73-Ta-159

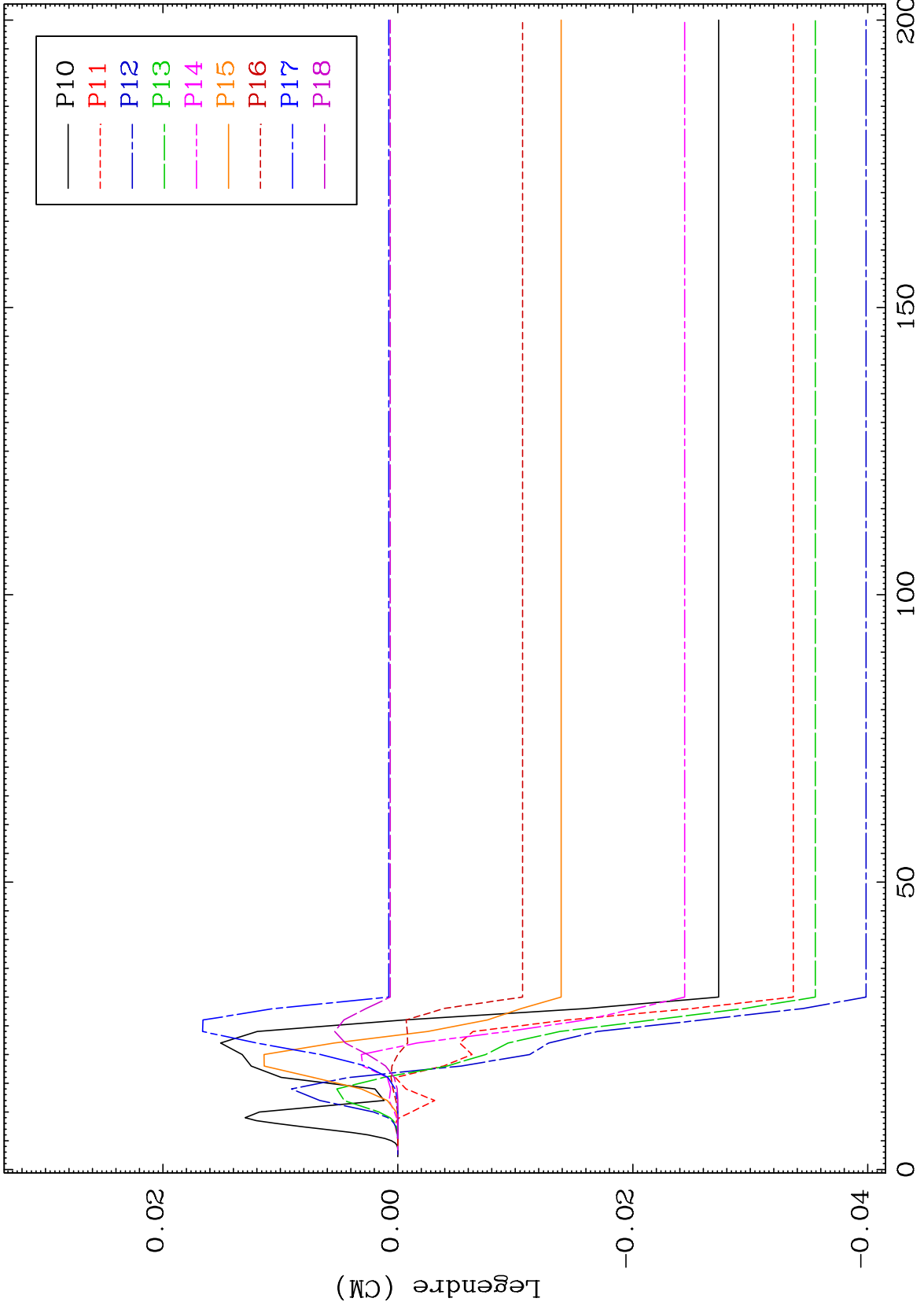
Incident Energy (MeV)

Legendre (CM)

MAT 7262

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

73-Ta-159



36

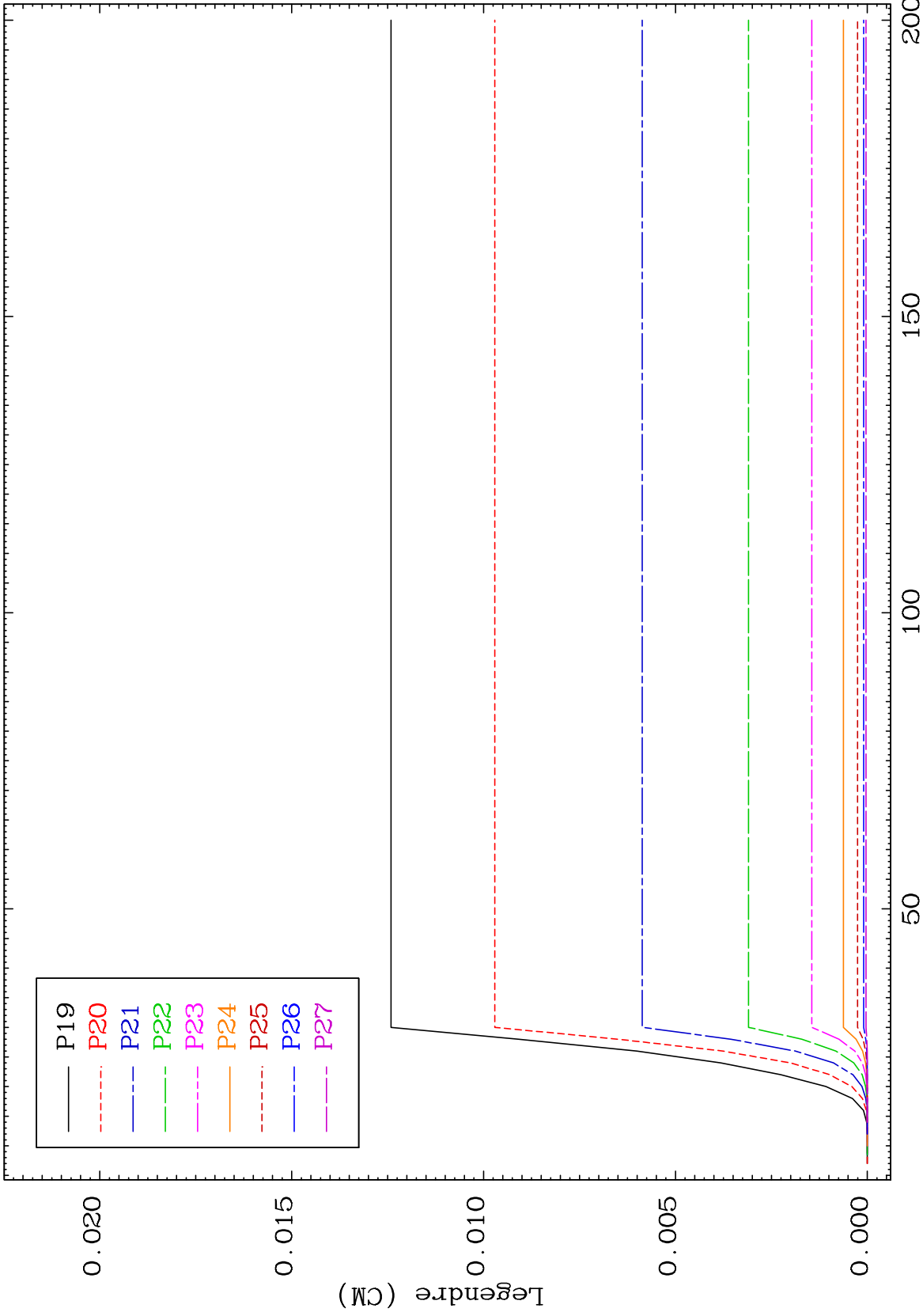
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



37

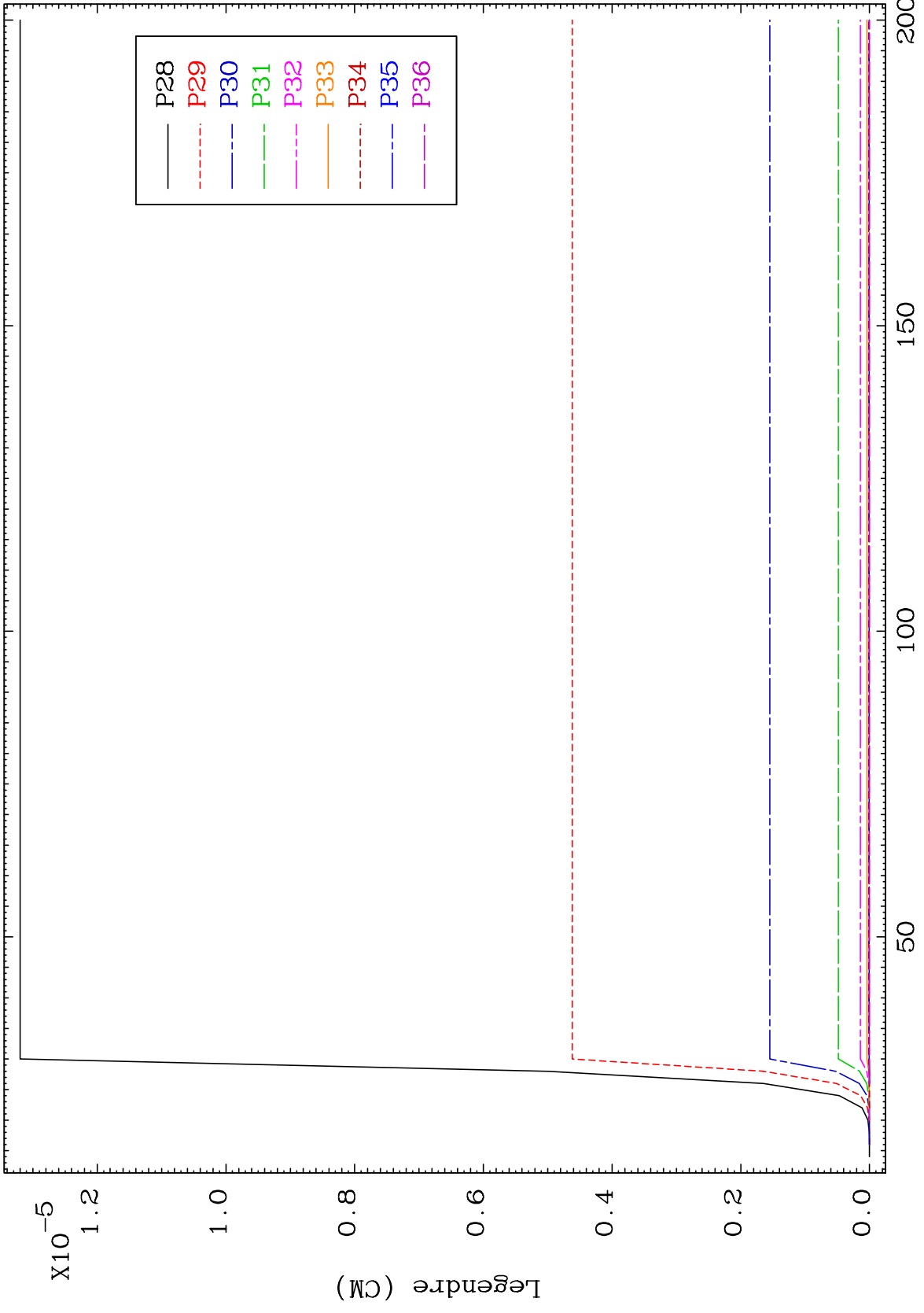
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



38

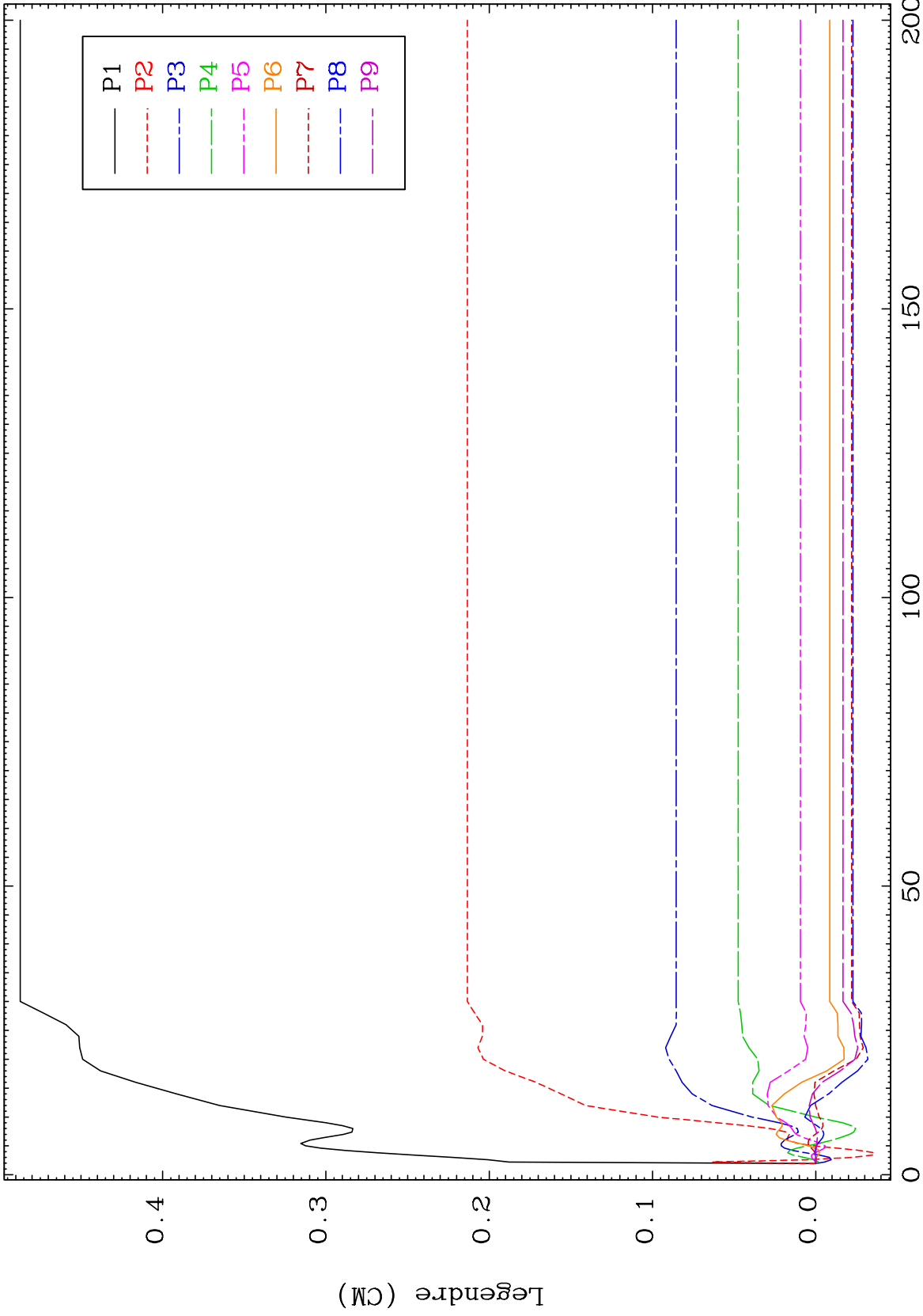
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



39

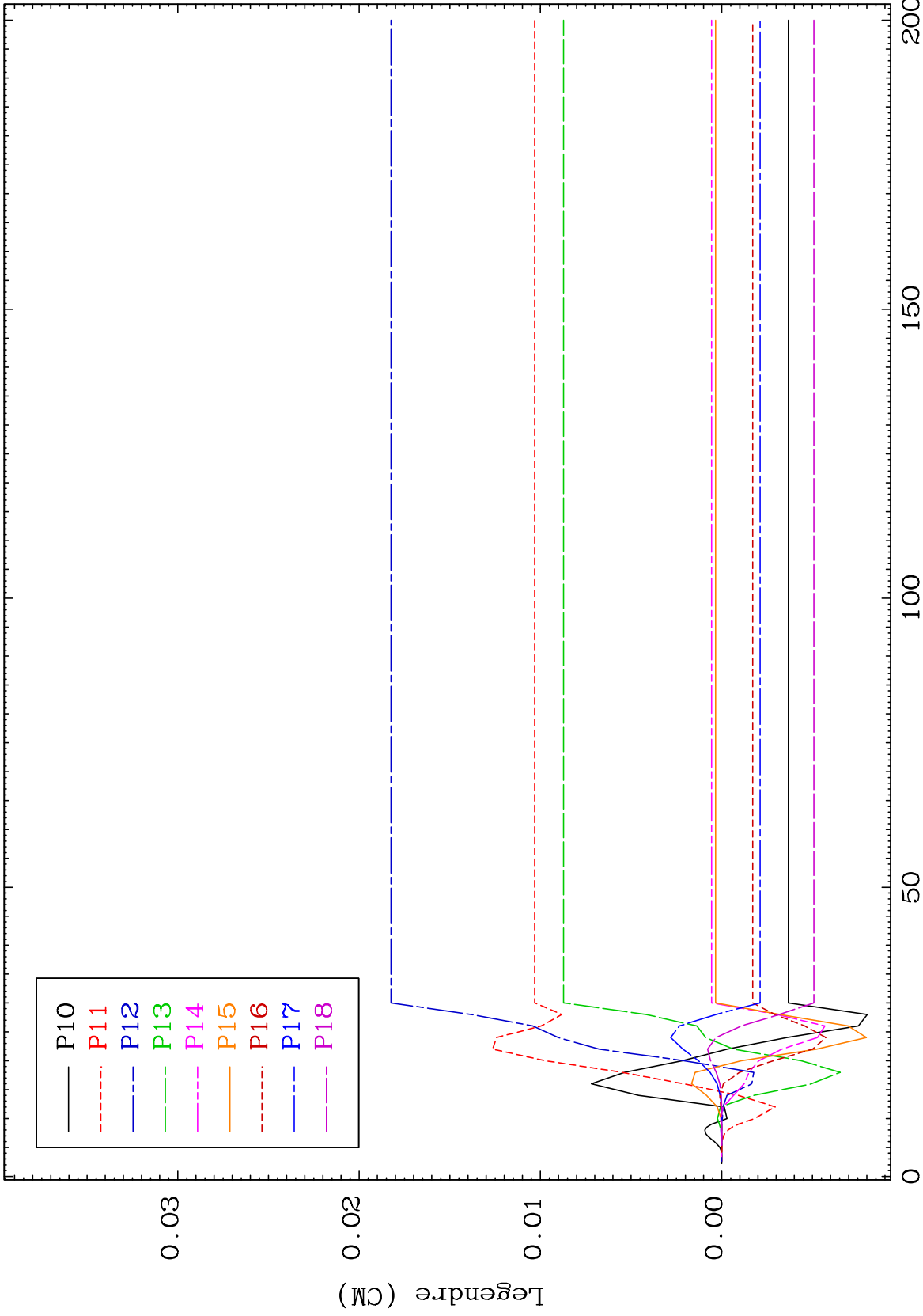
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

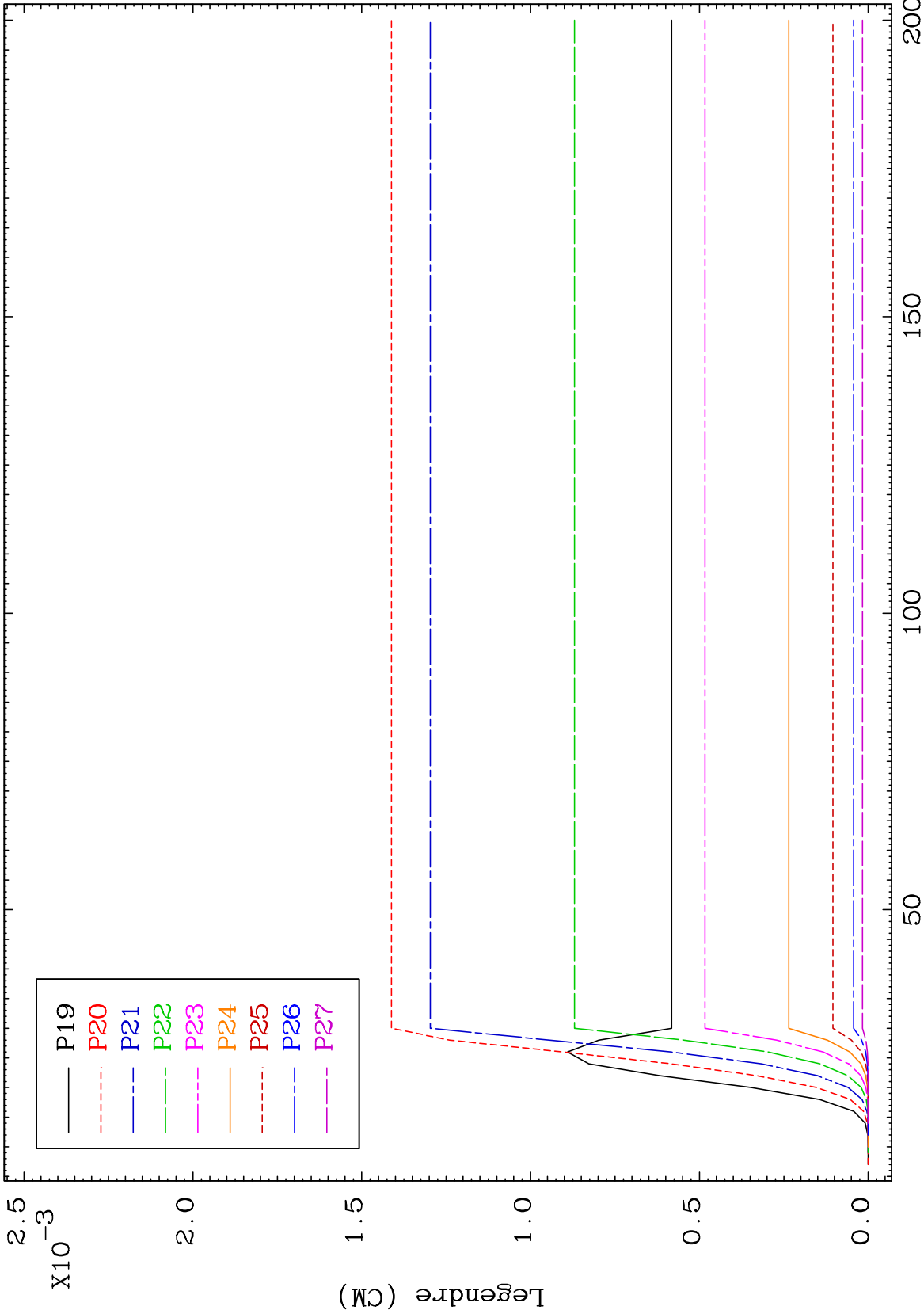
73-Ta-159



40

Incident Energy (MeV)

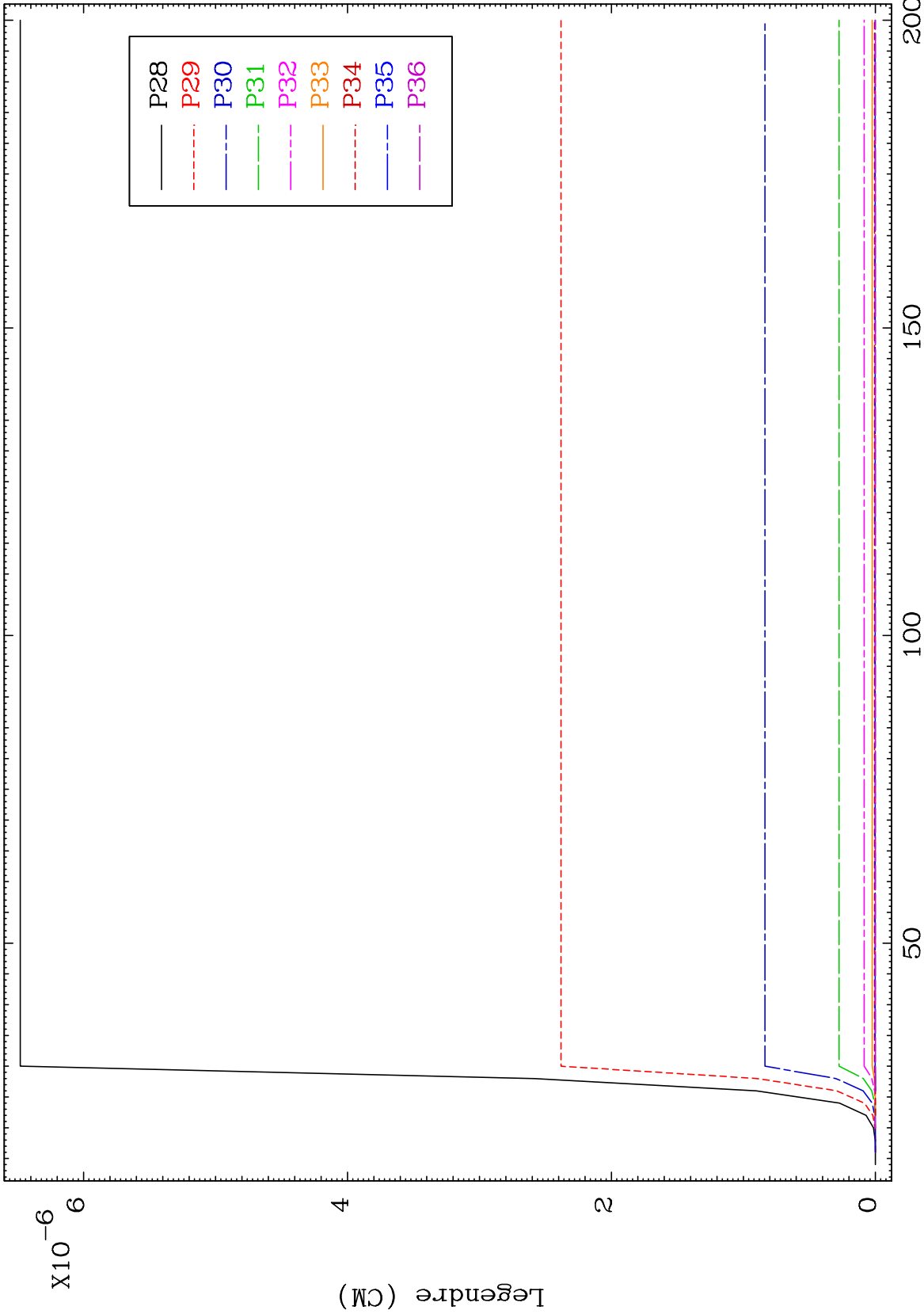
73-Ta-159



MAT 7262

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

73-Ta-159



42

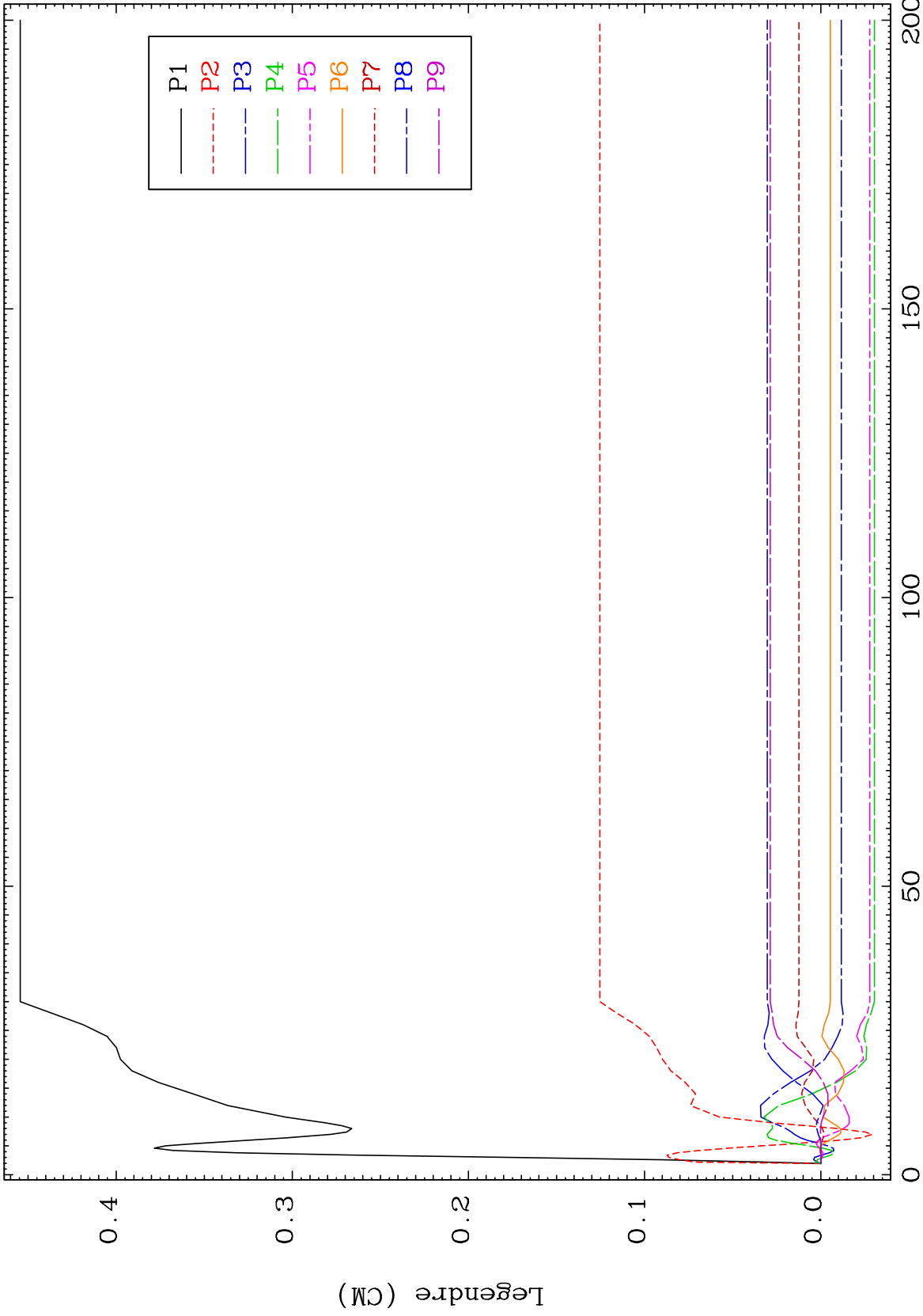
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



43

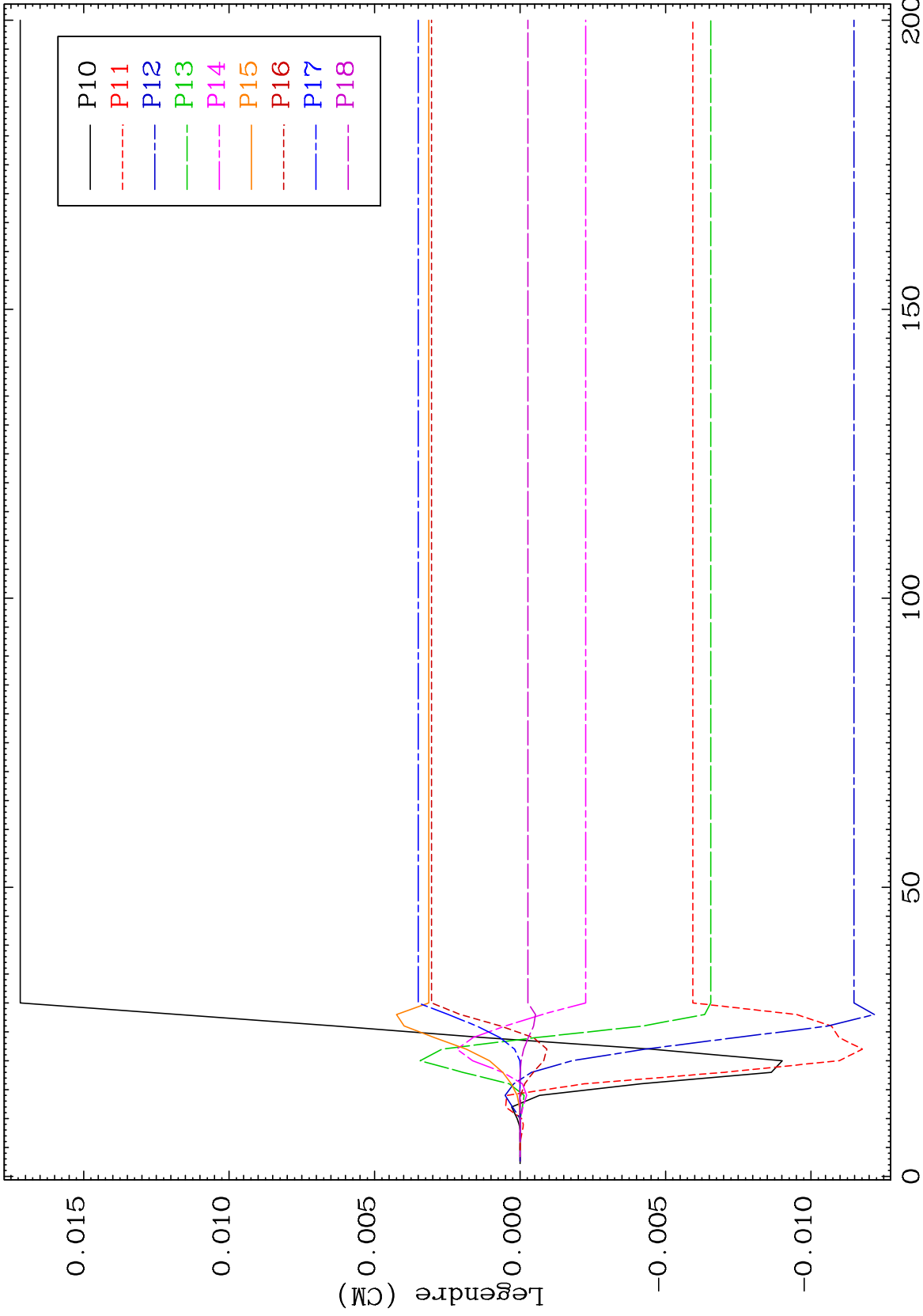
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



44

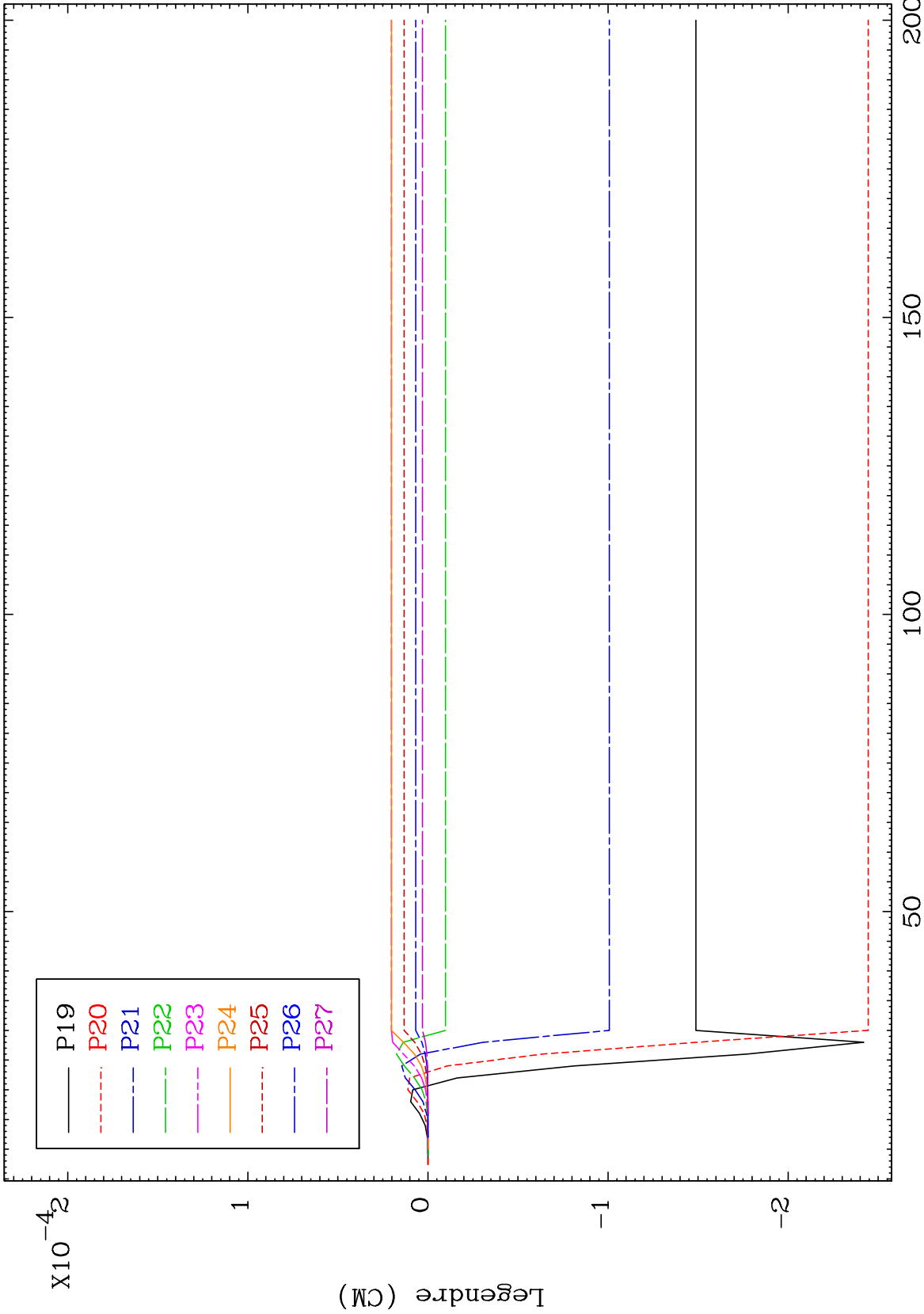
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



45

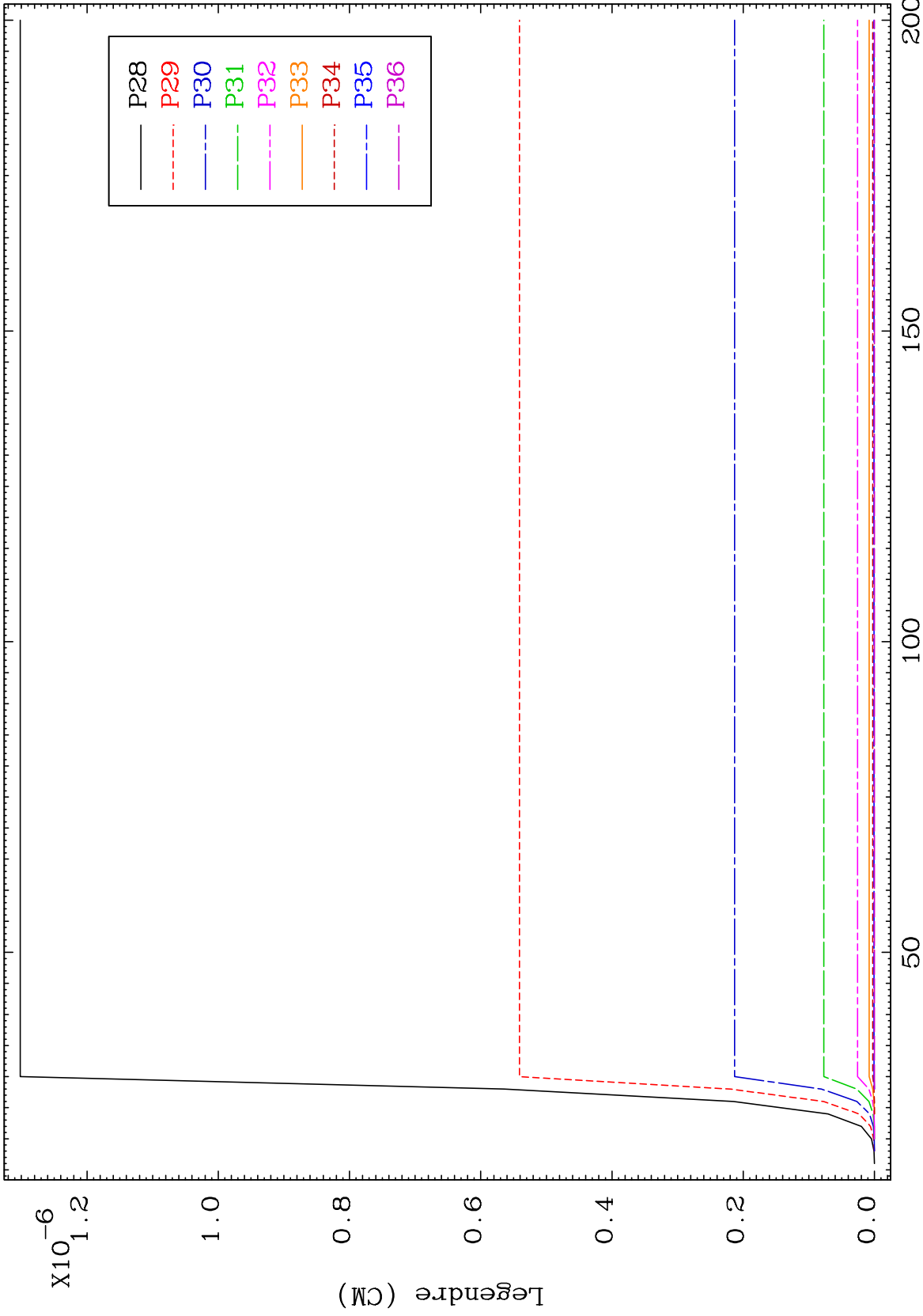
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



46

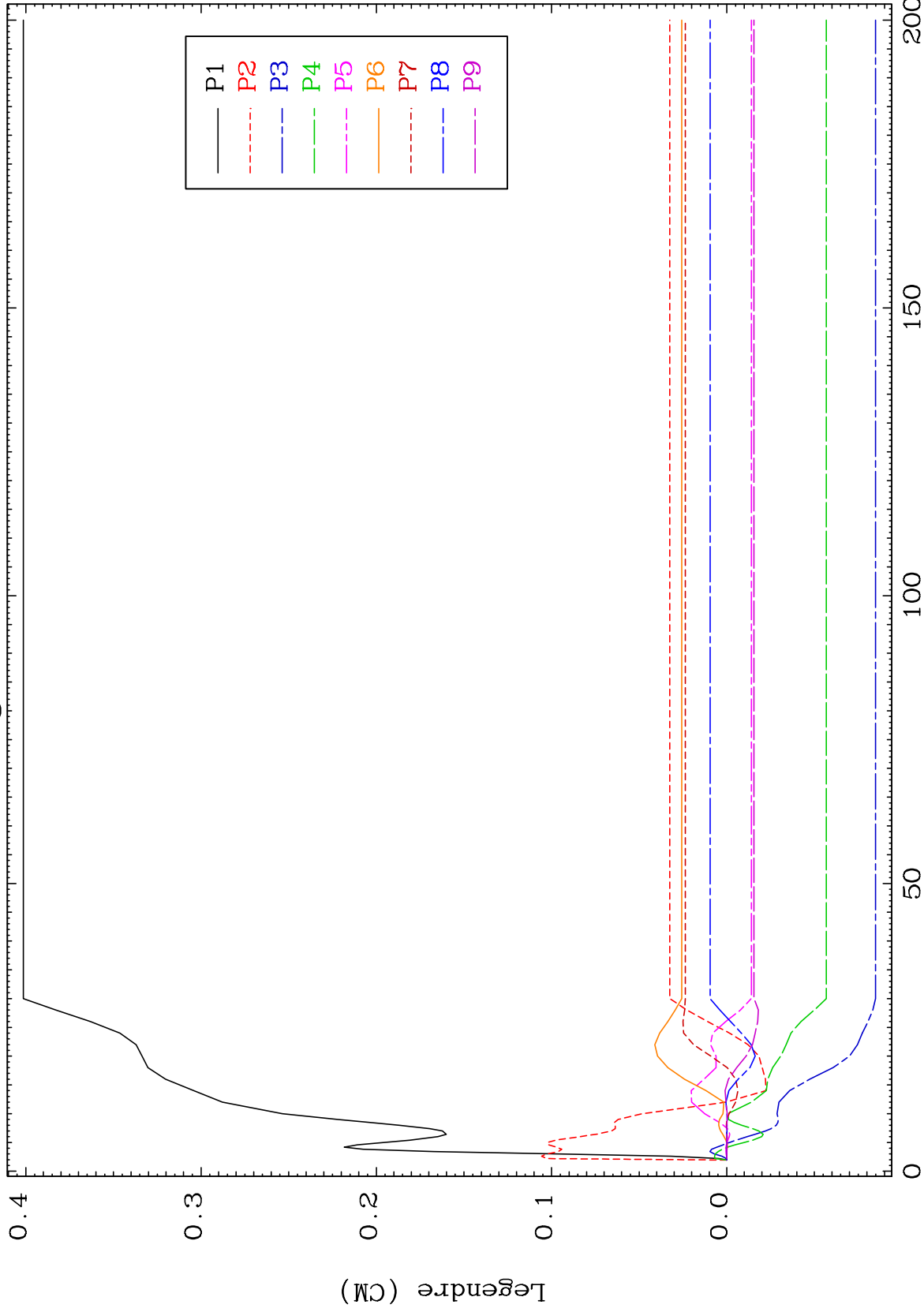
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



47

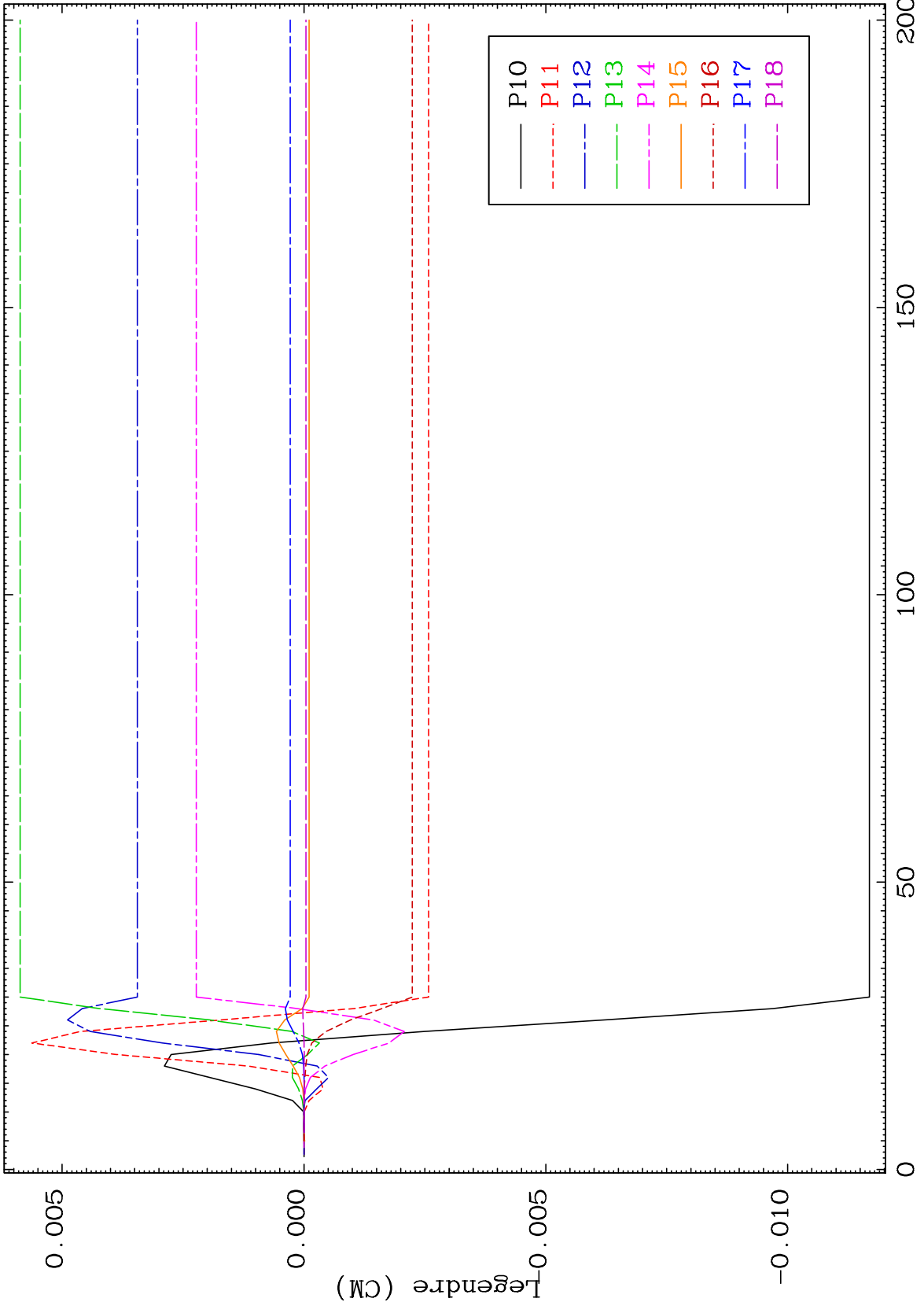
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



48

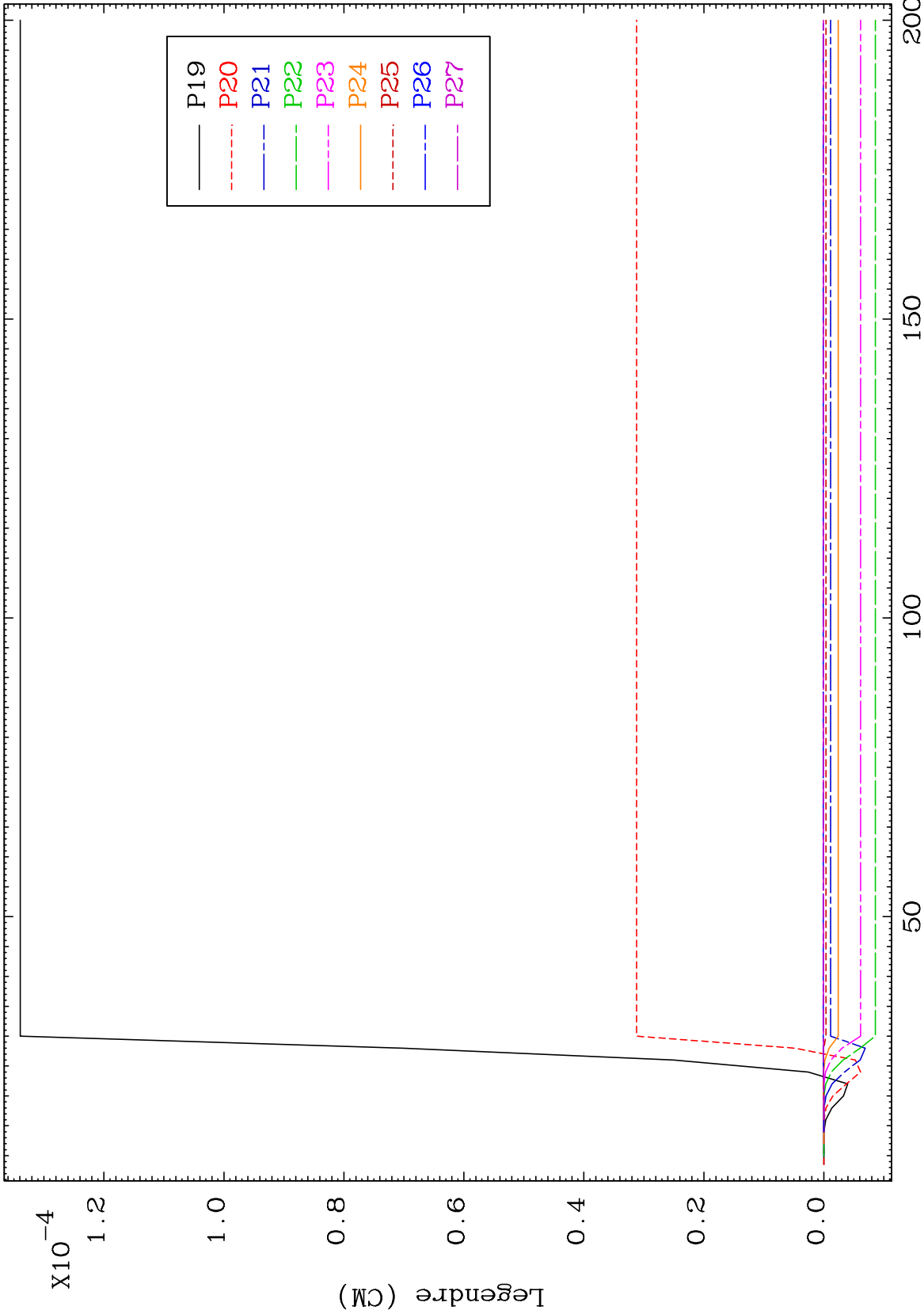
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



49

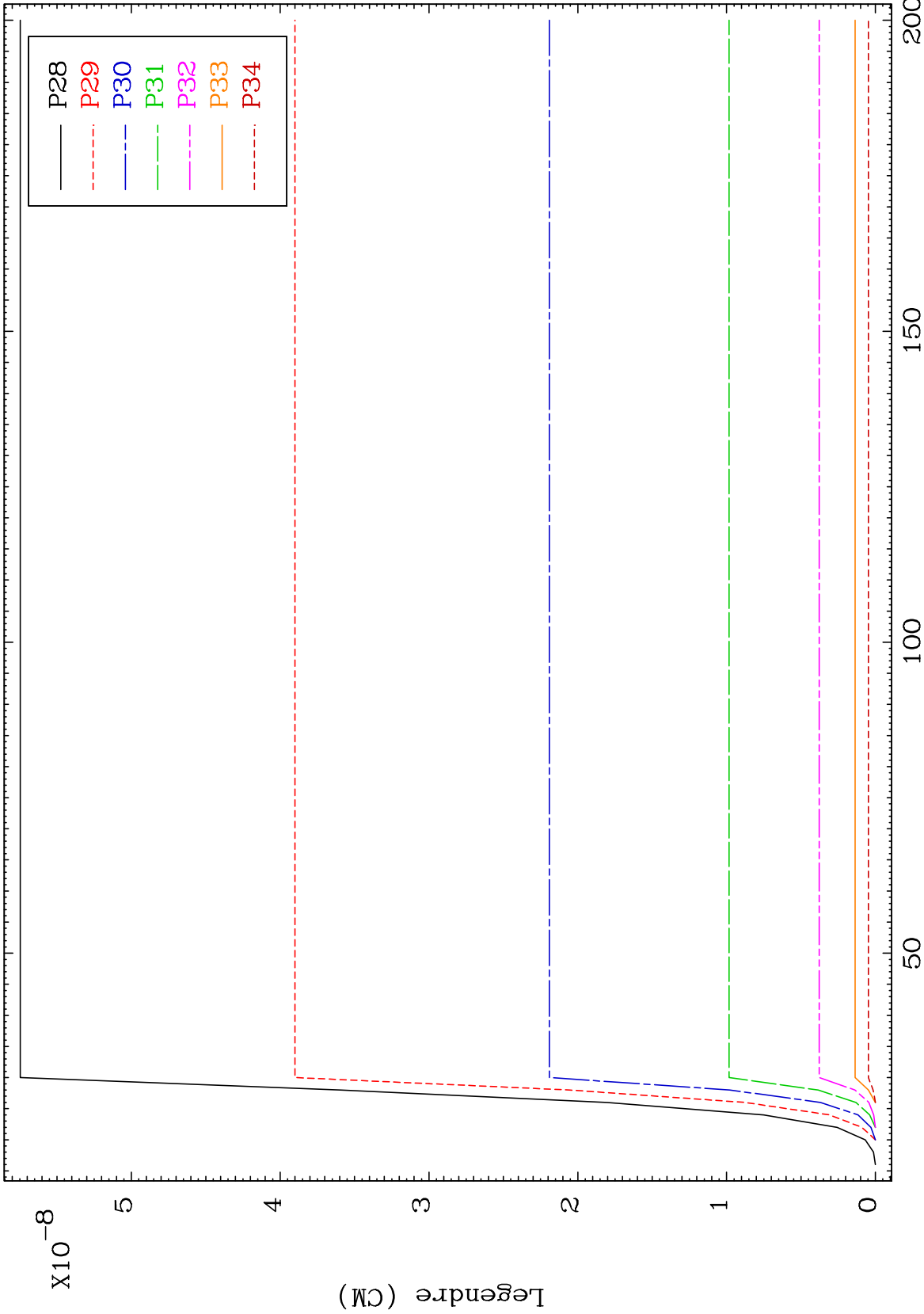
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



50

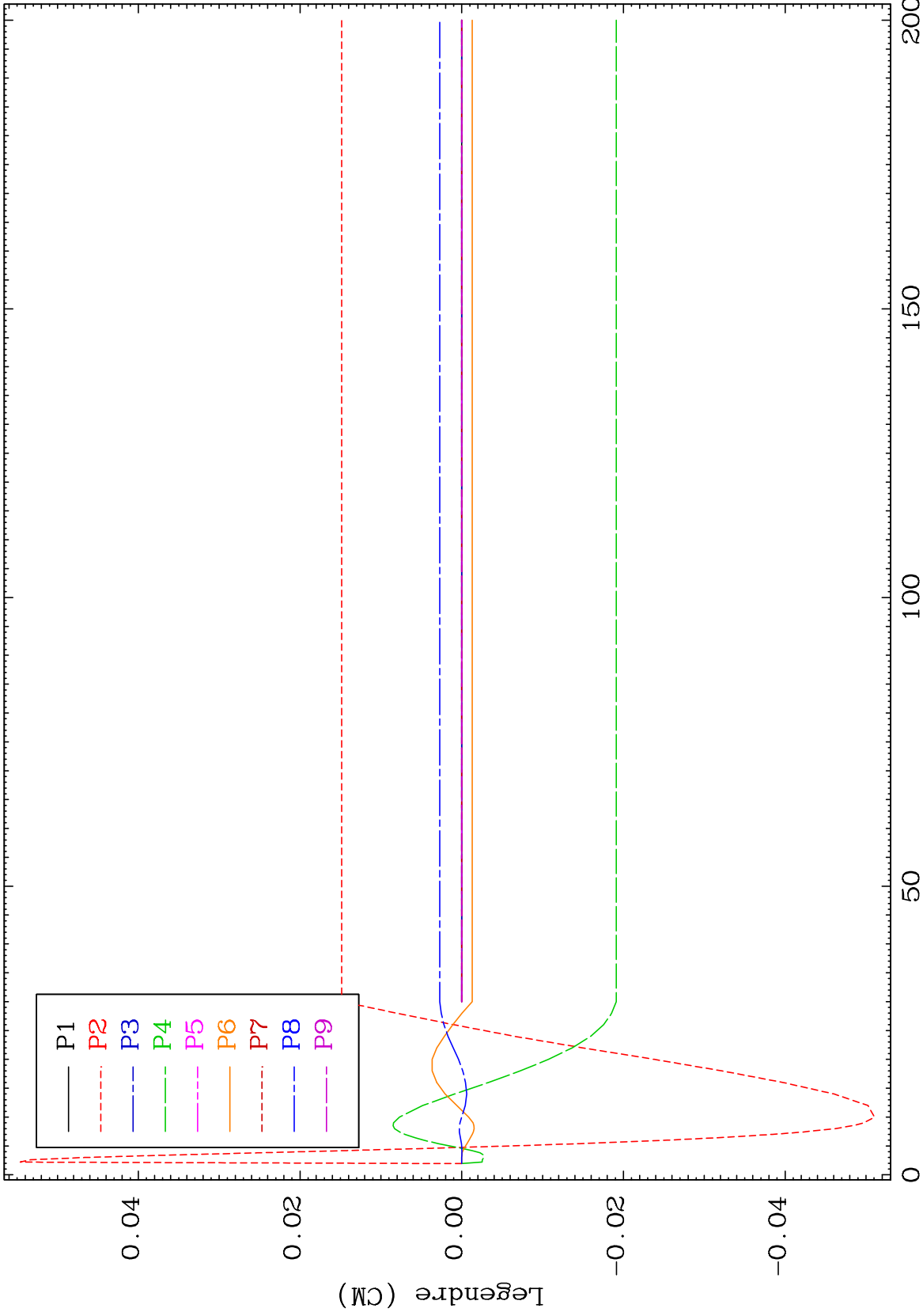
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



51

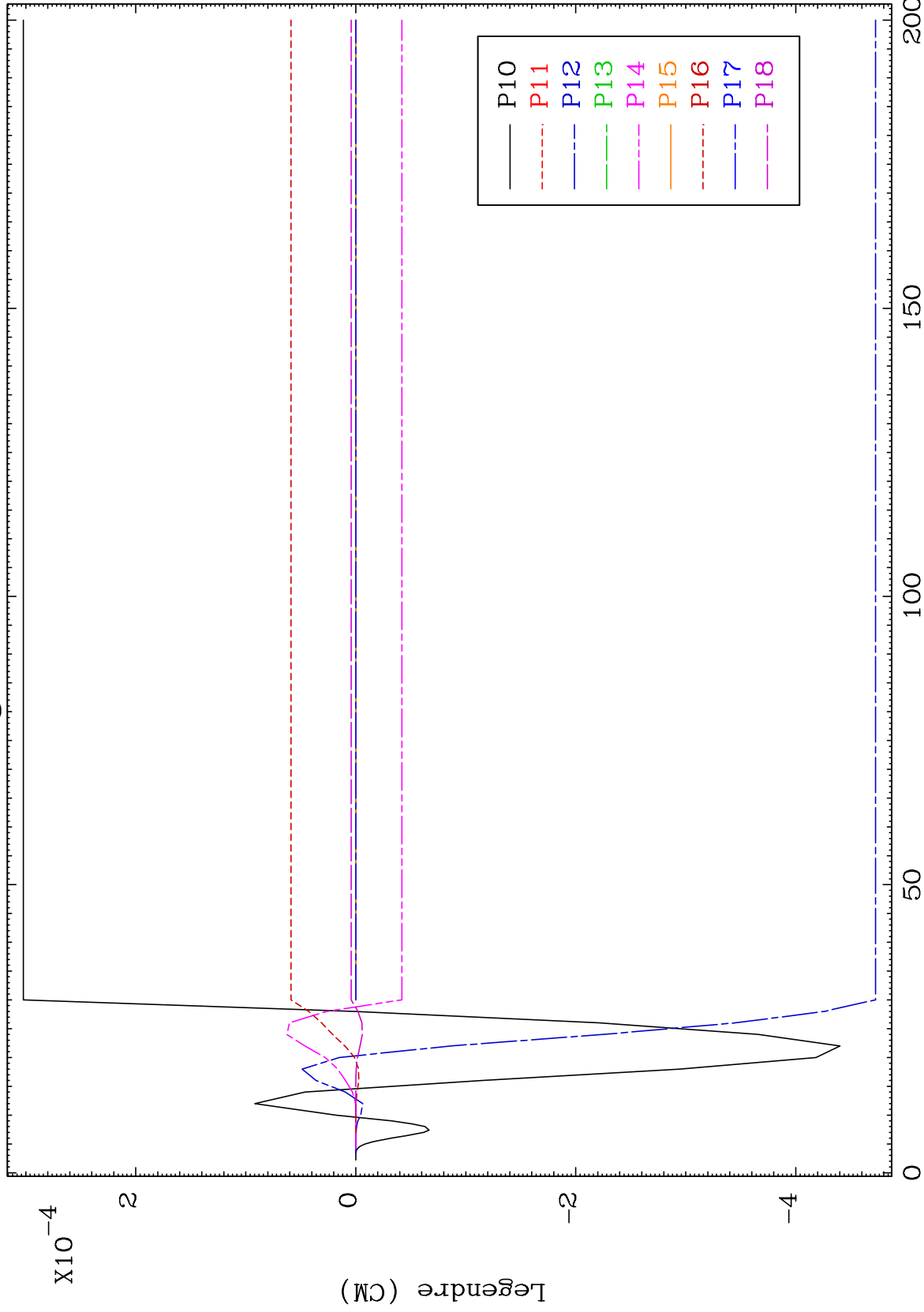
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



52

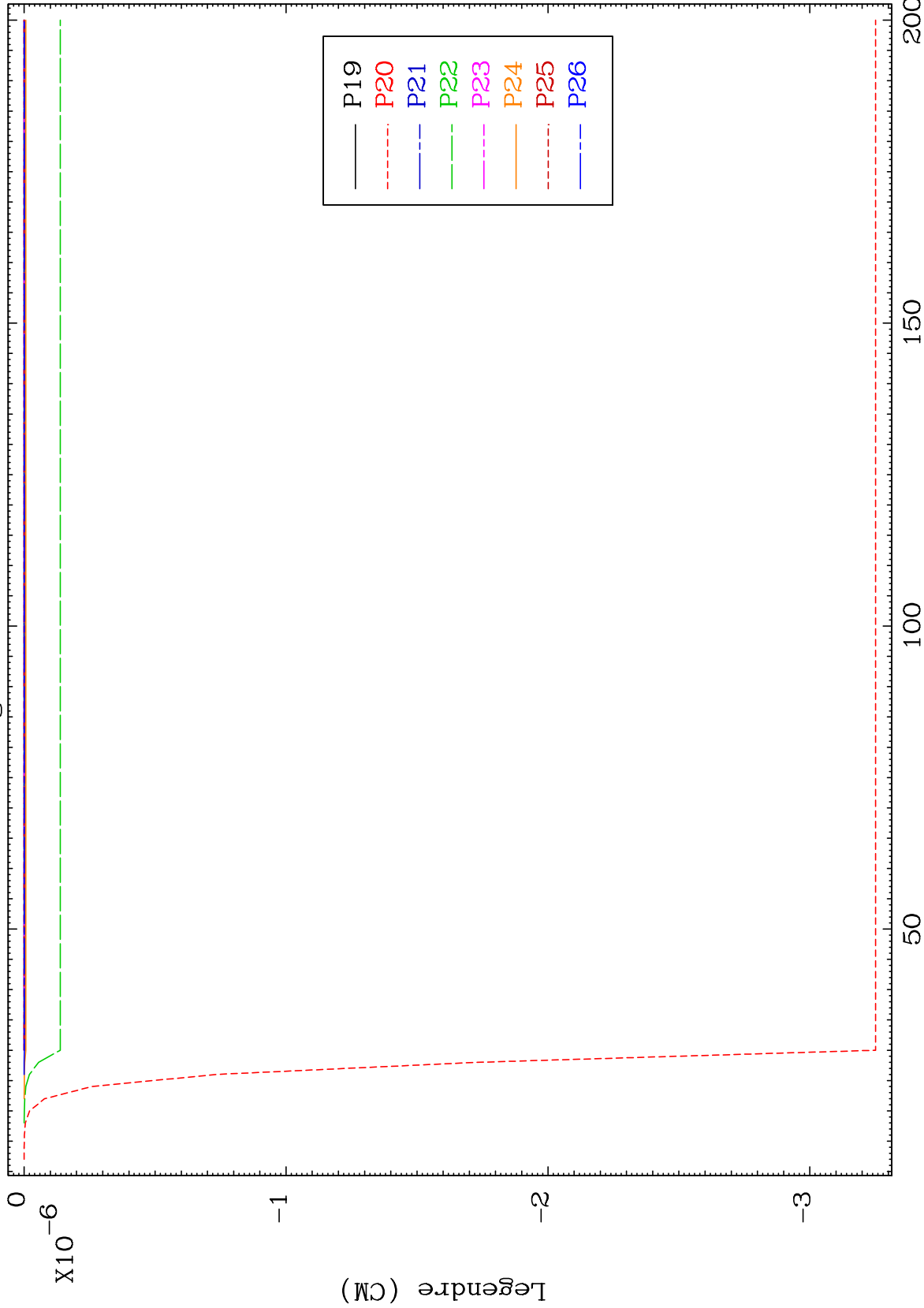
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



53

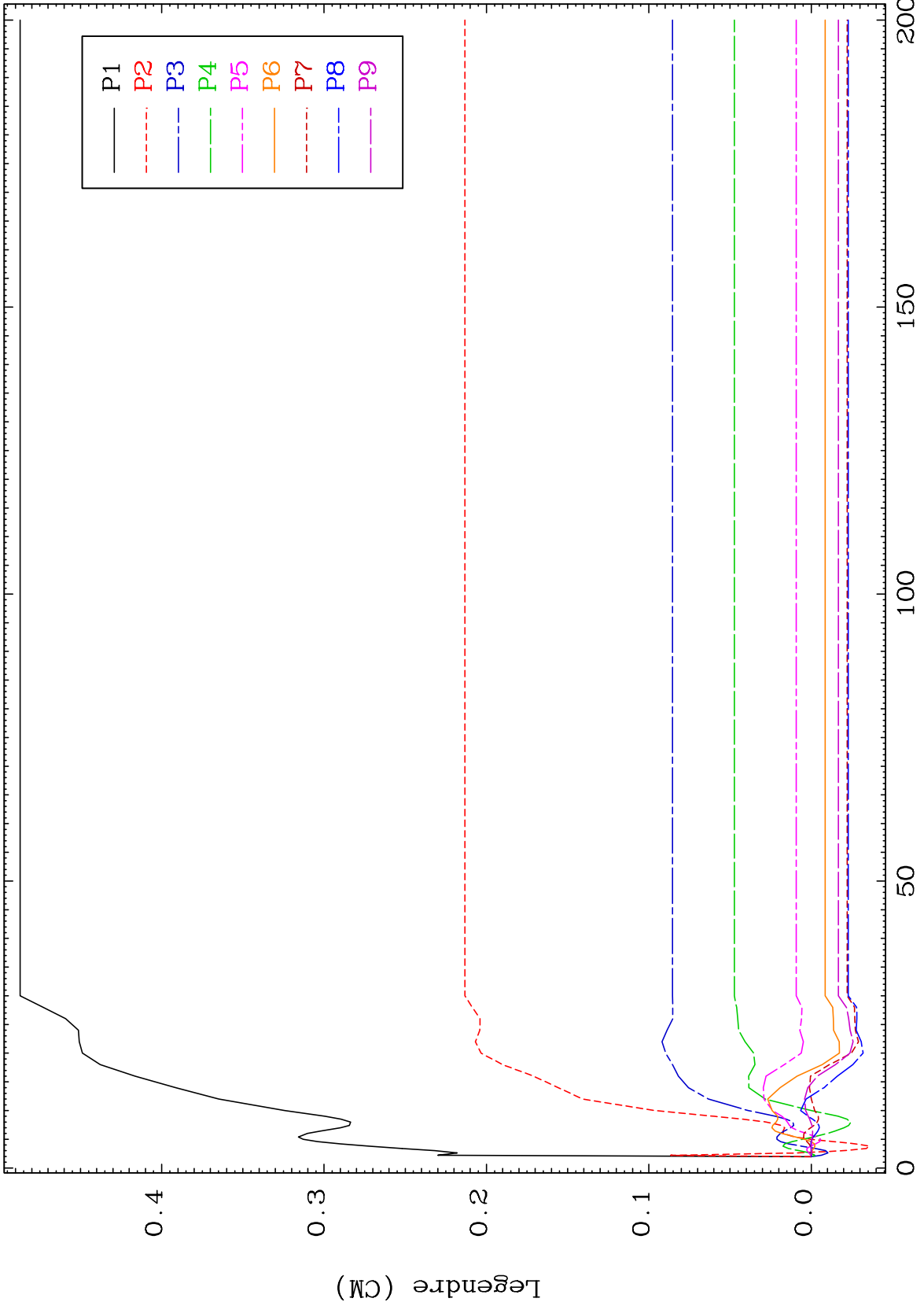
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



54

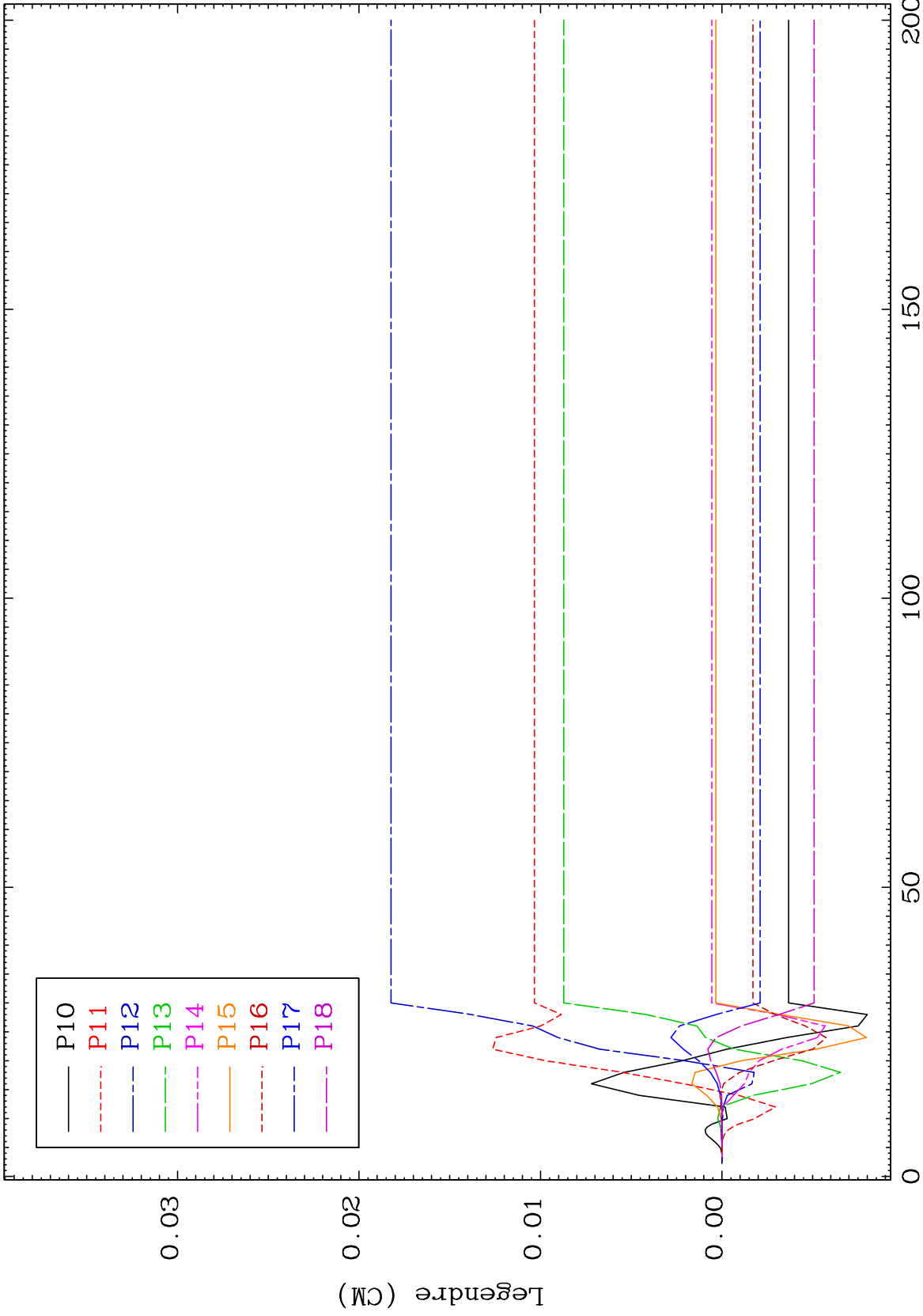
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



55

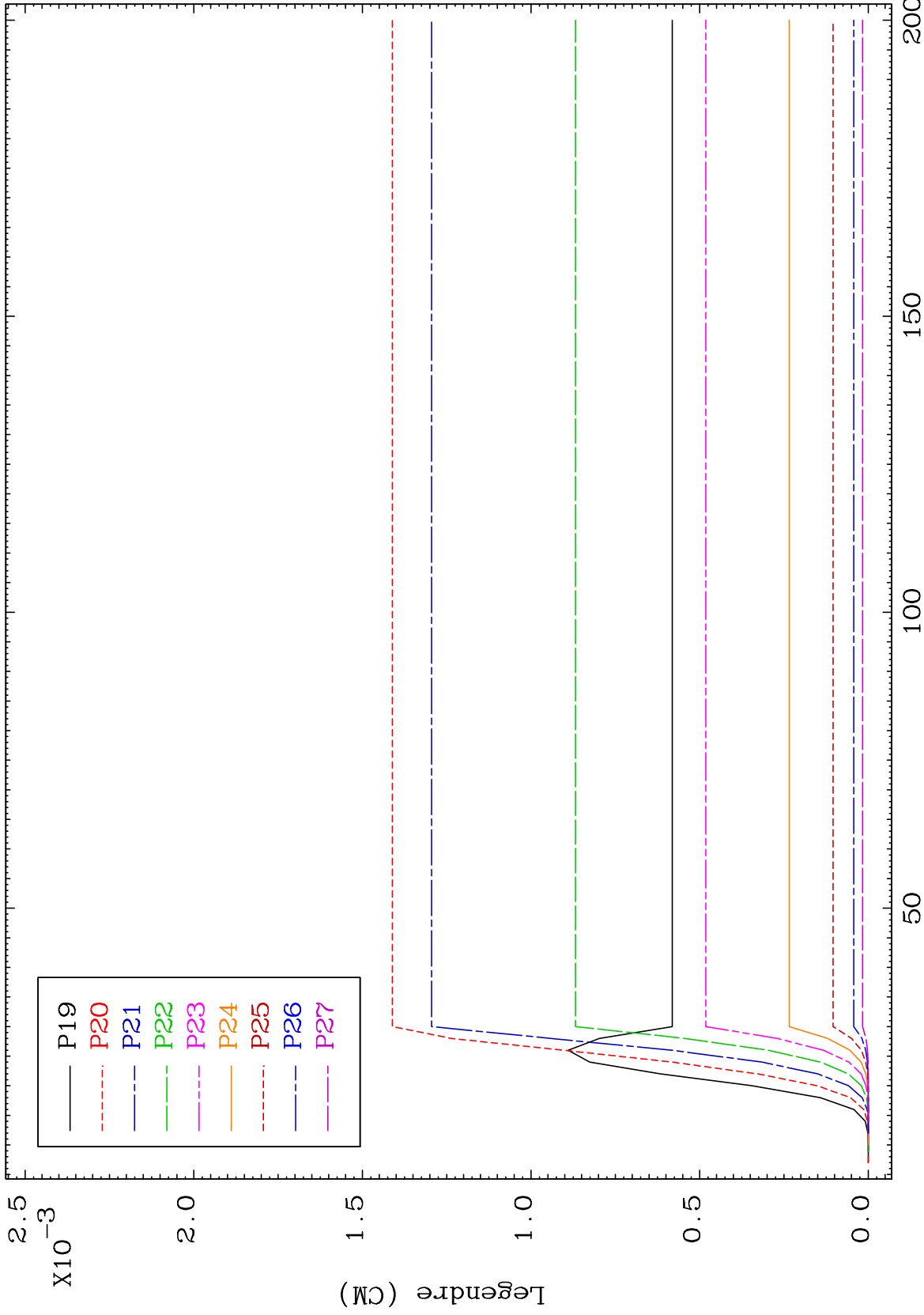
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



56

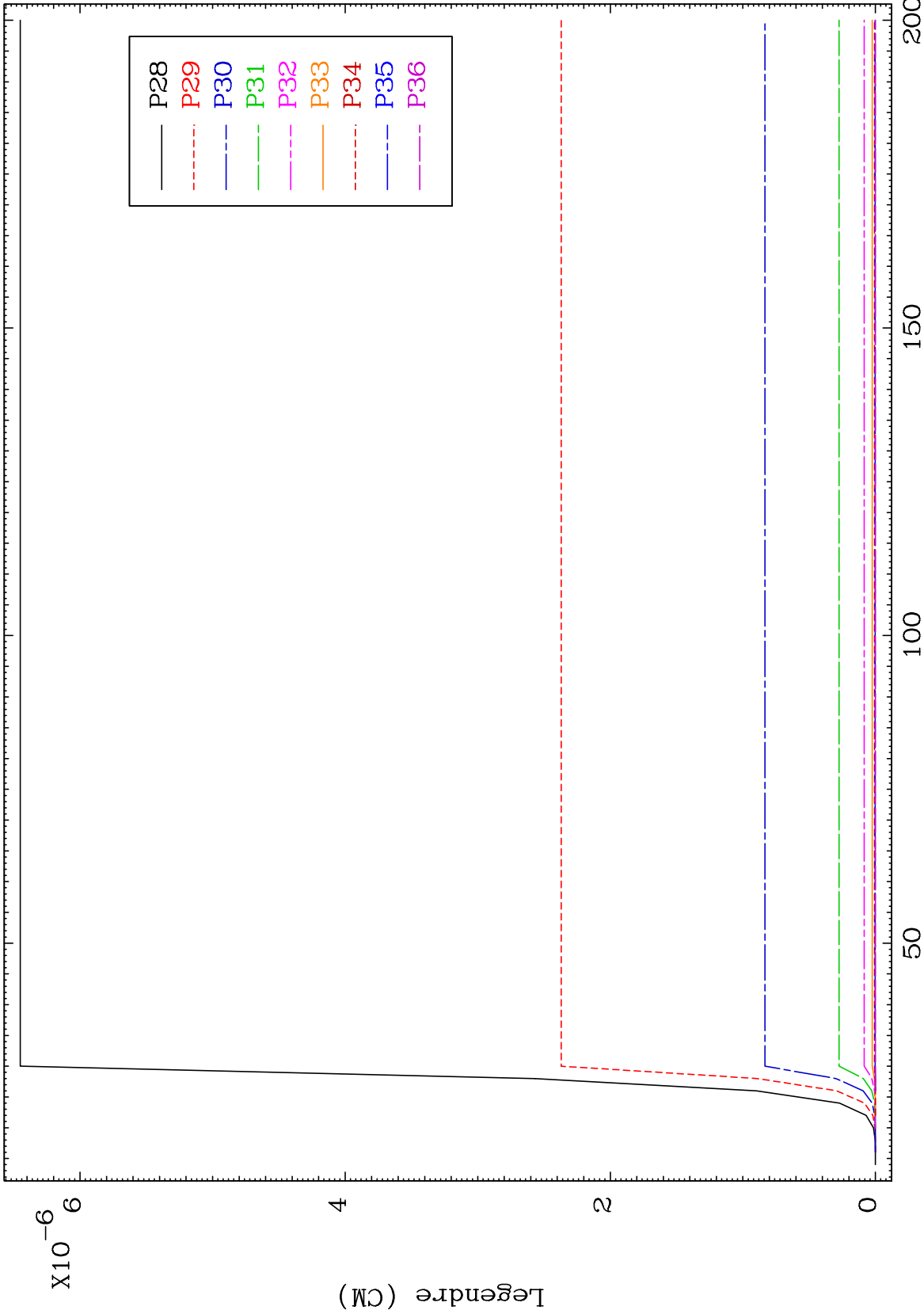
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



57

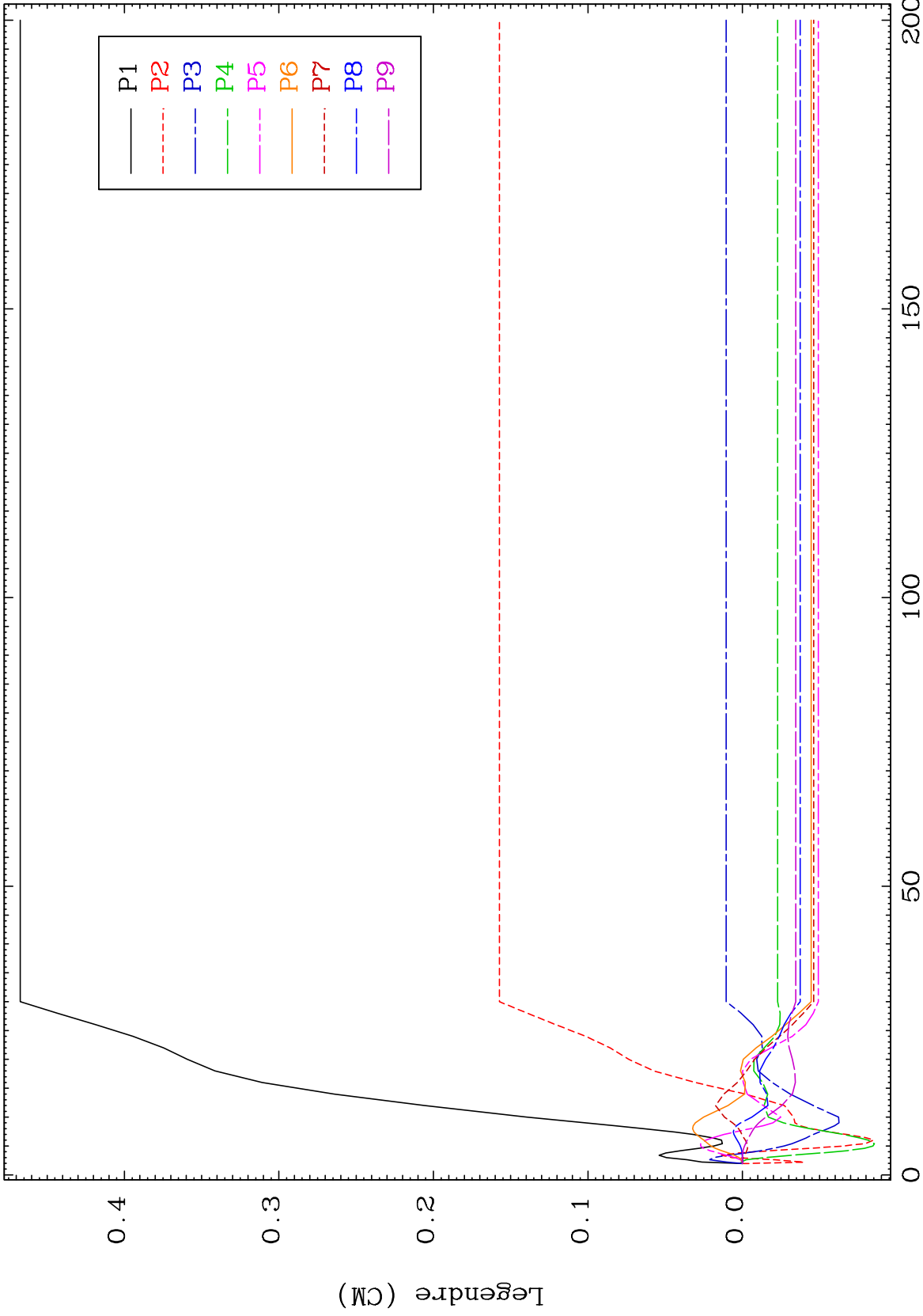
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



58

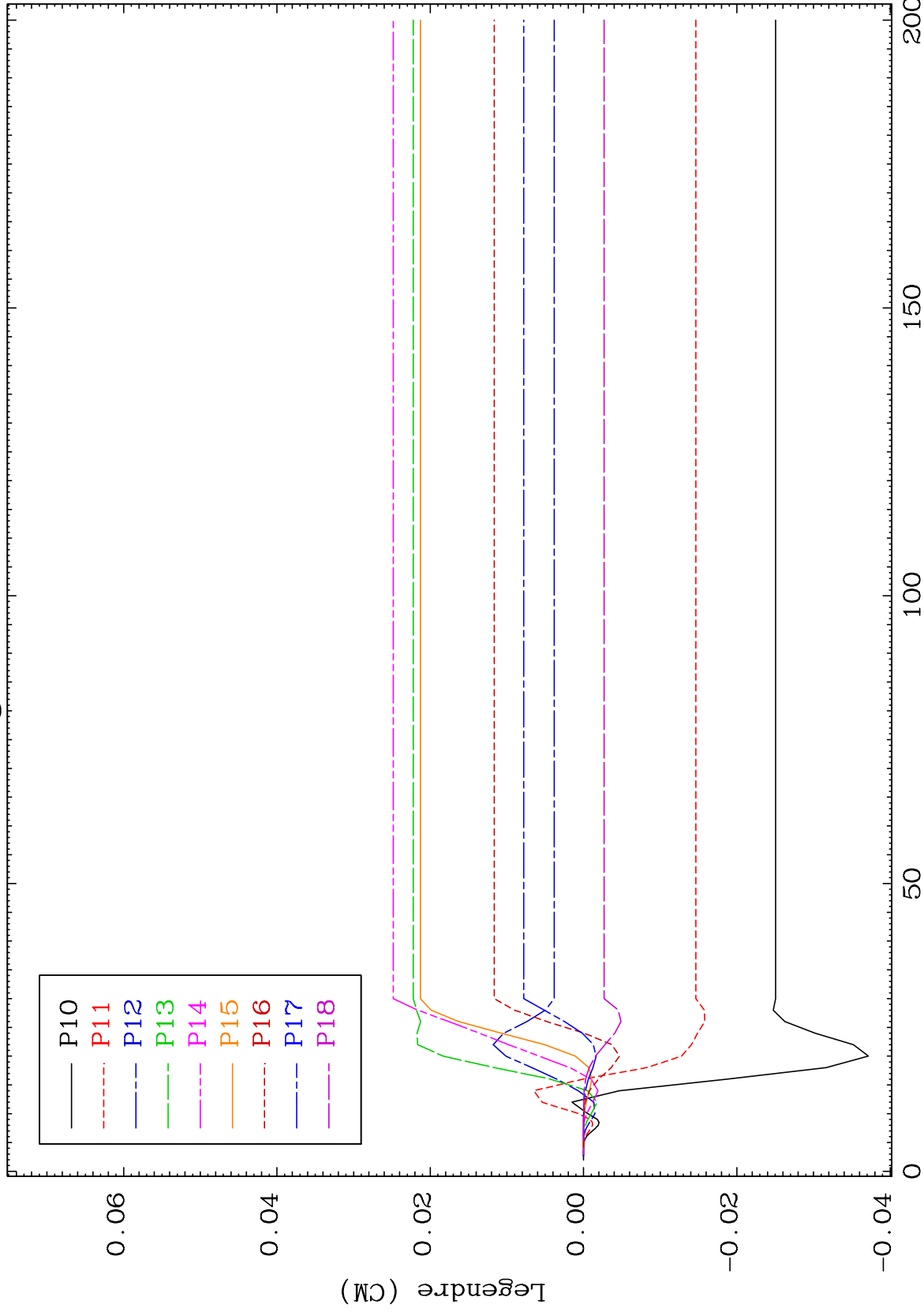
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



59

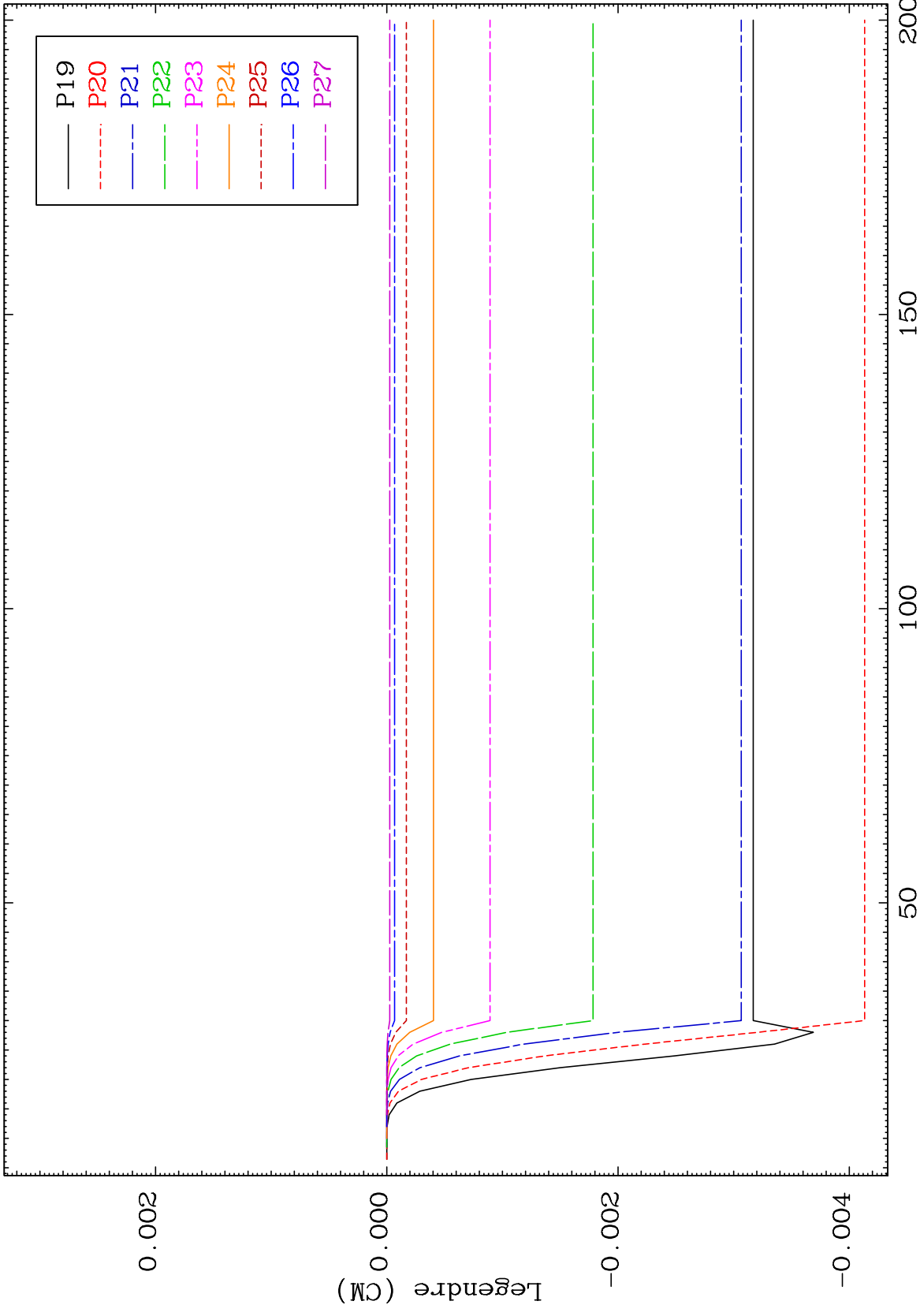
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



60

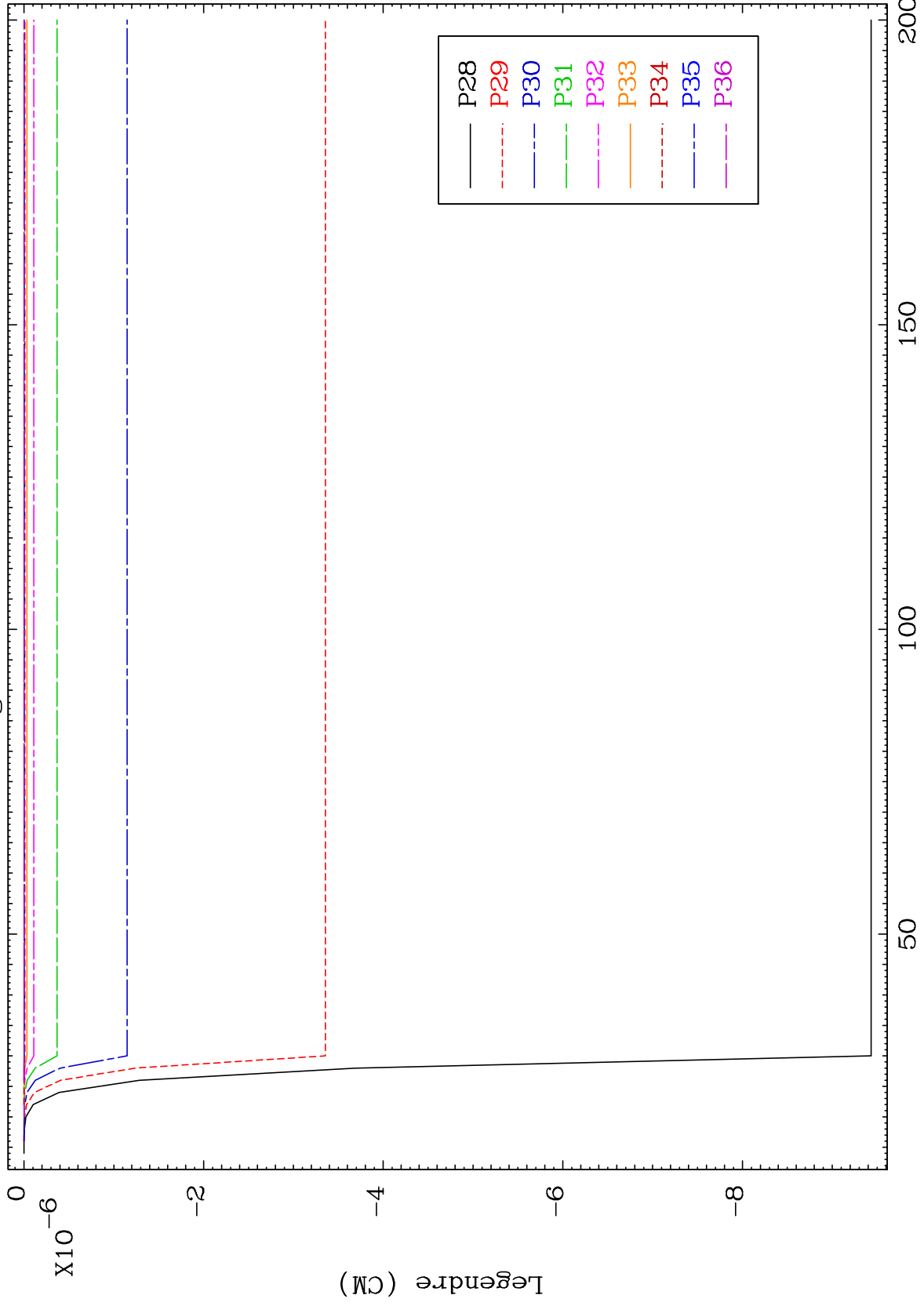
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



73-Ta-159

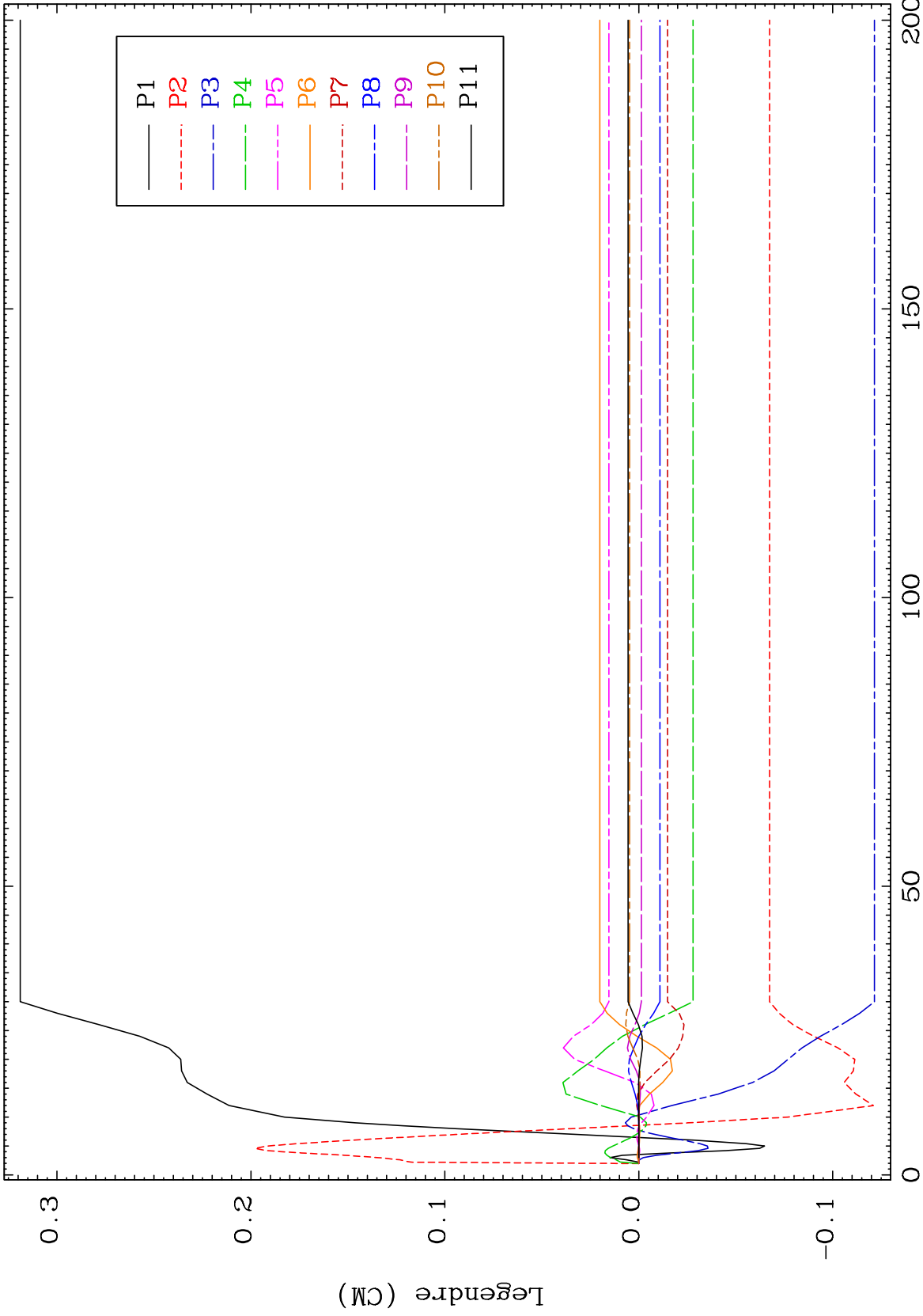
Incident Energy (MeV)

61

MAT 7262

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

73-Ta-159



62

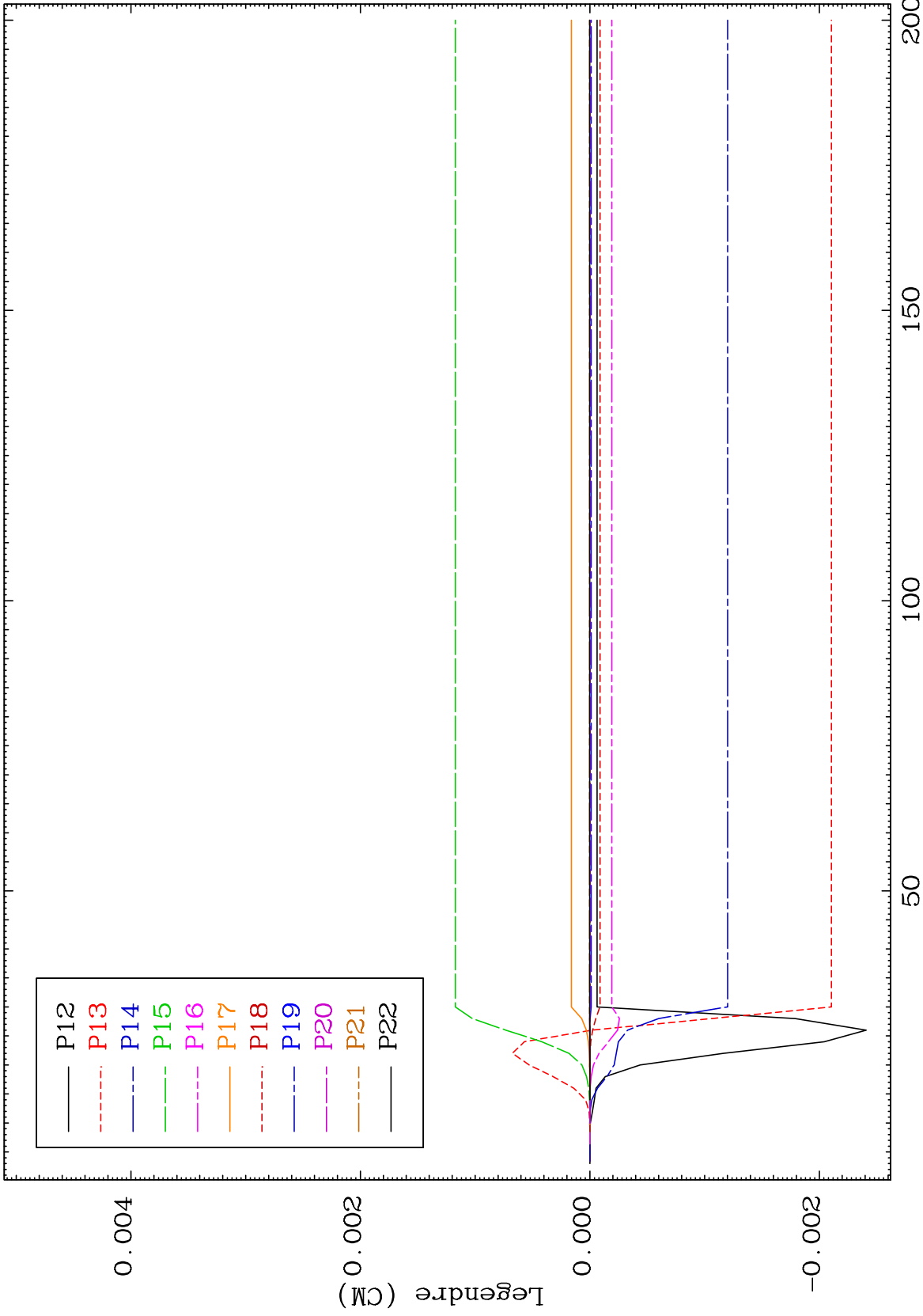
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



63

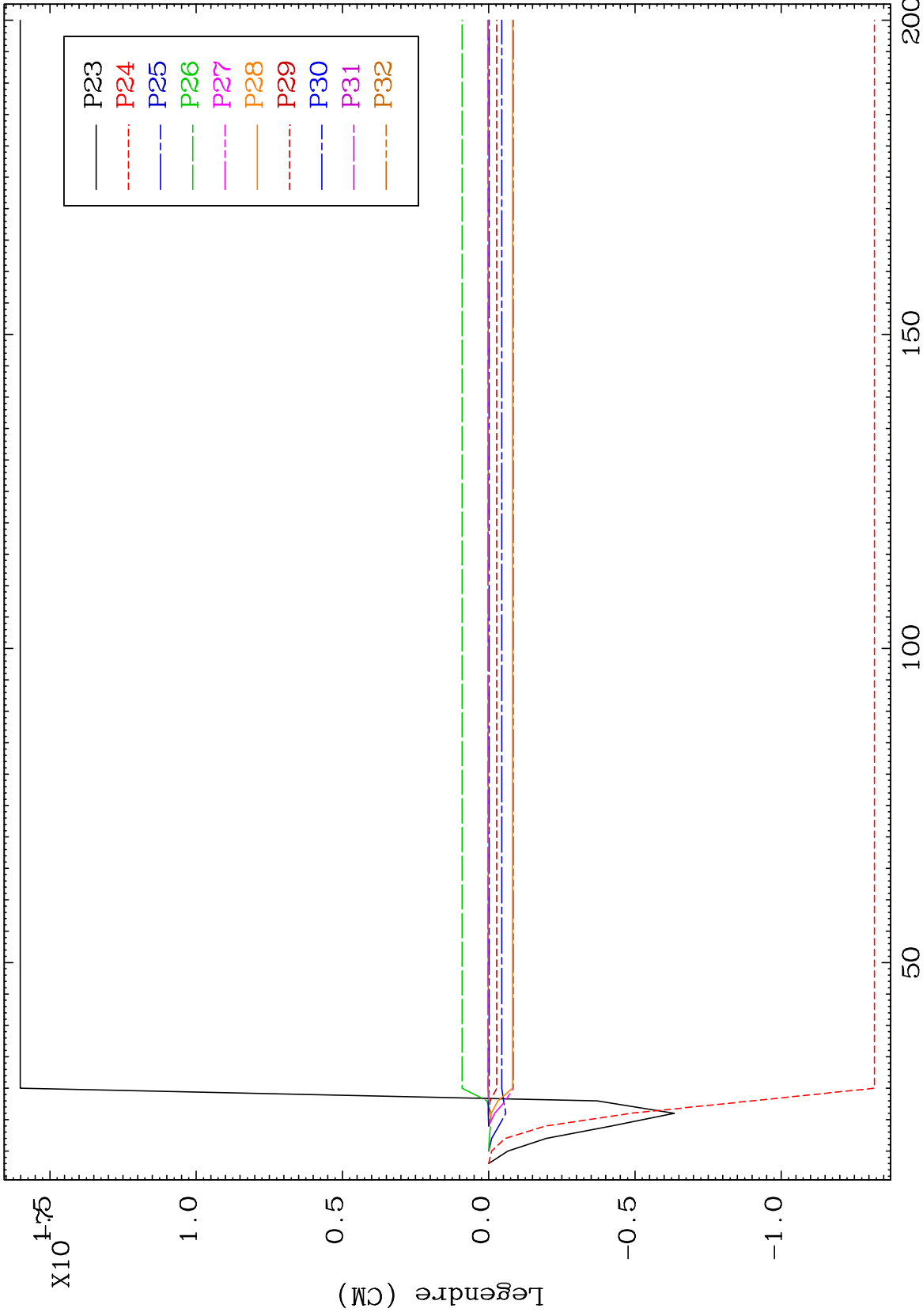
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



64

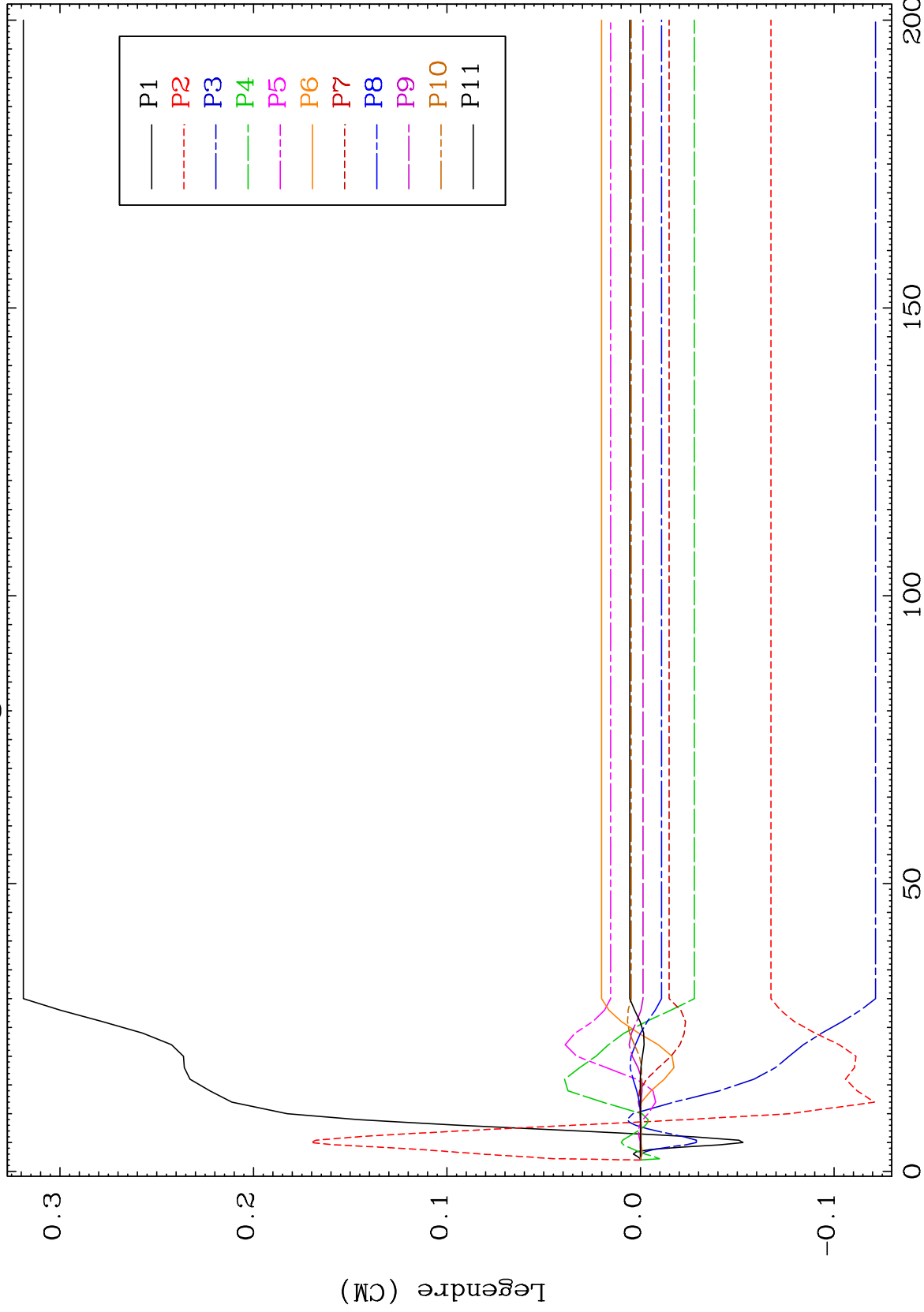
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



65

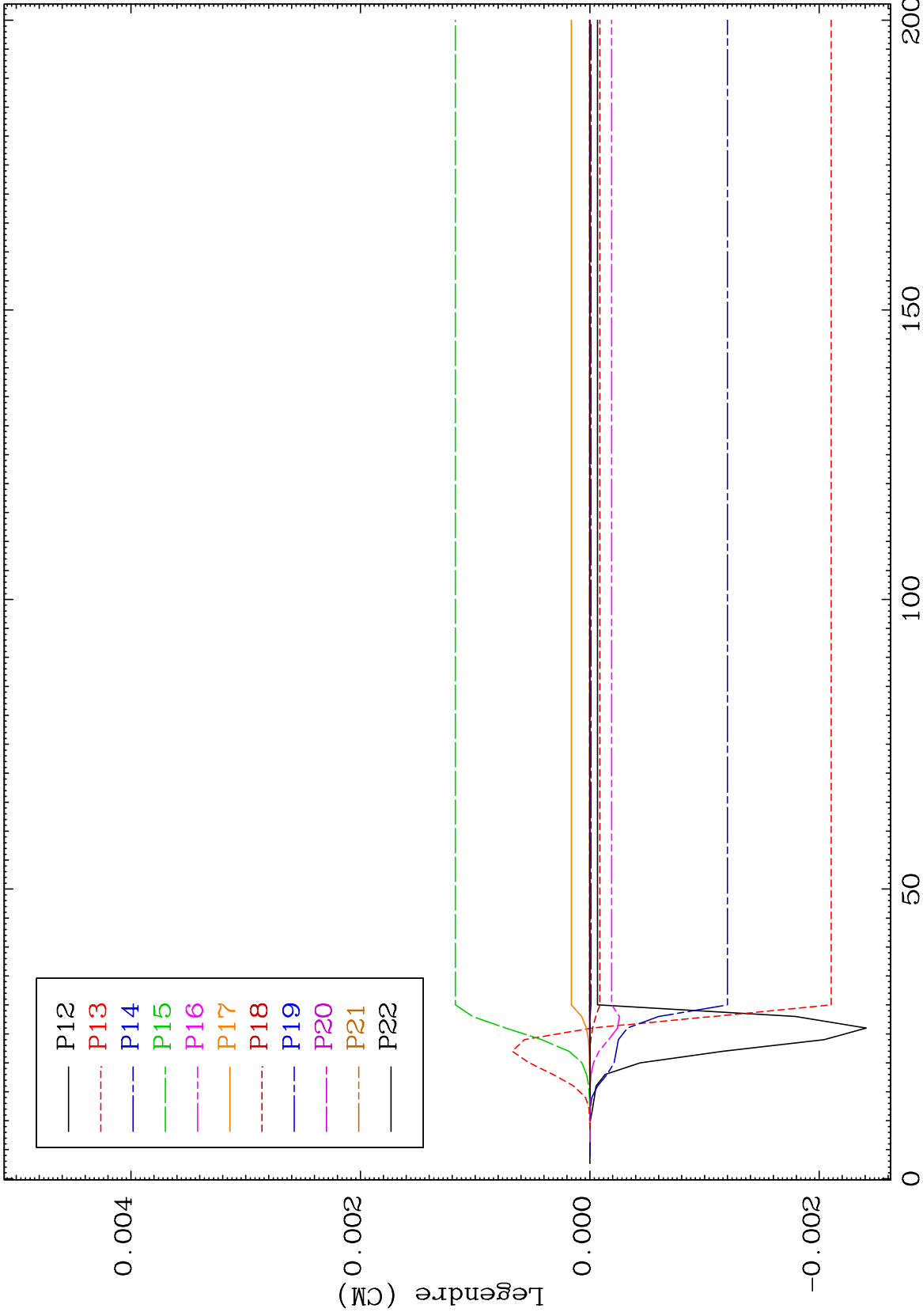
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



66

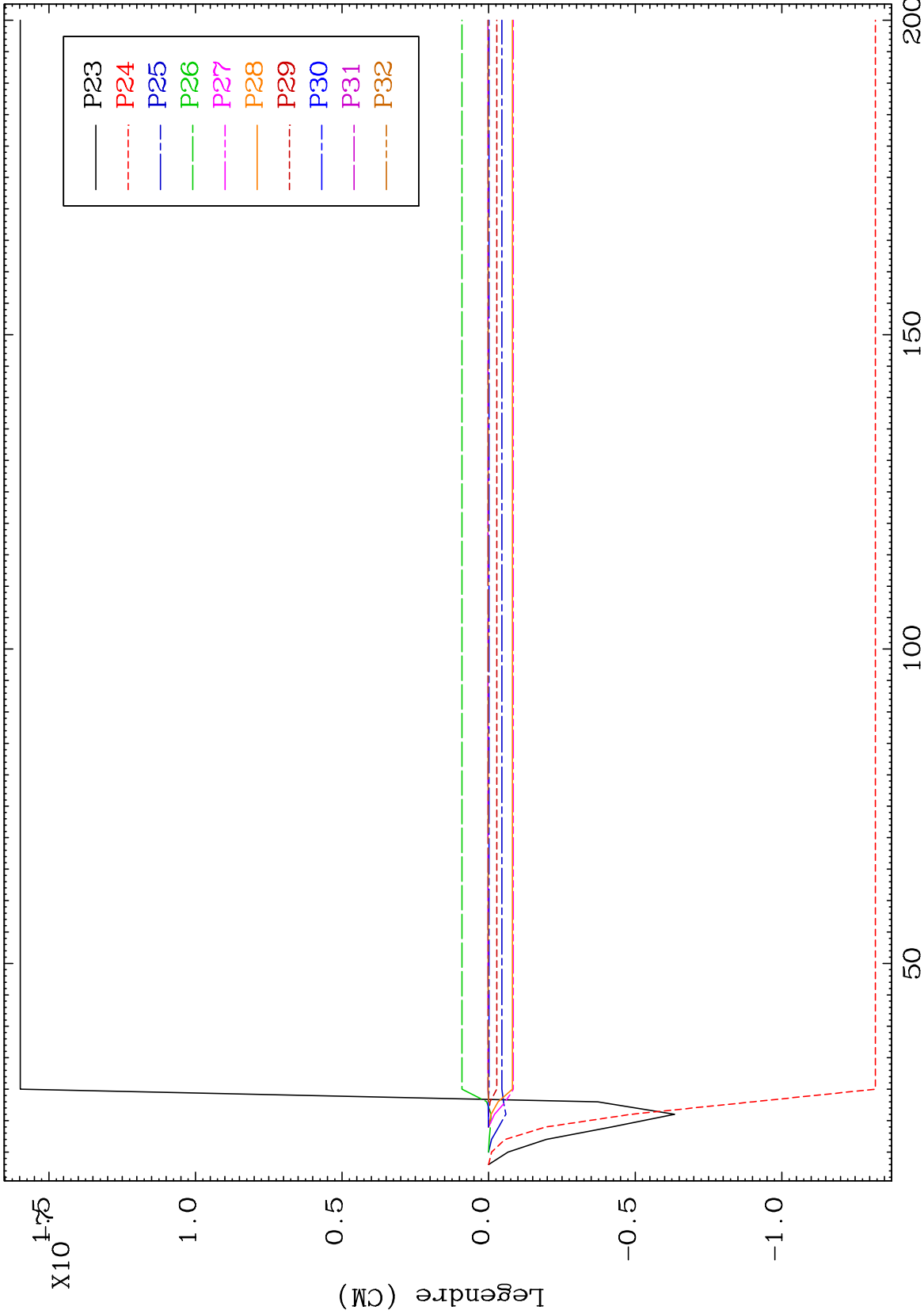
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



67

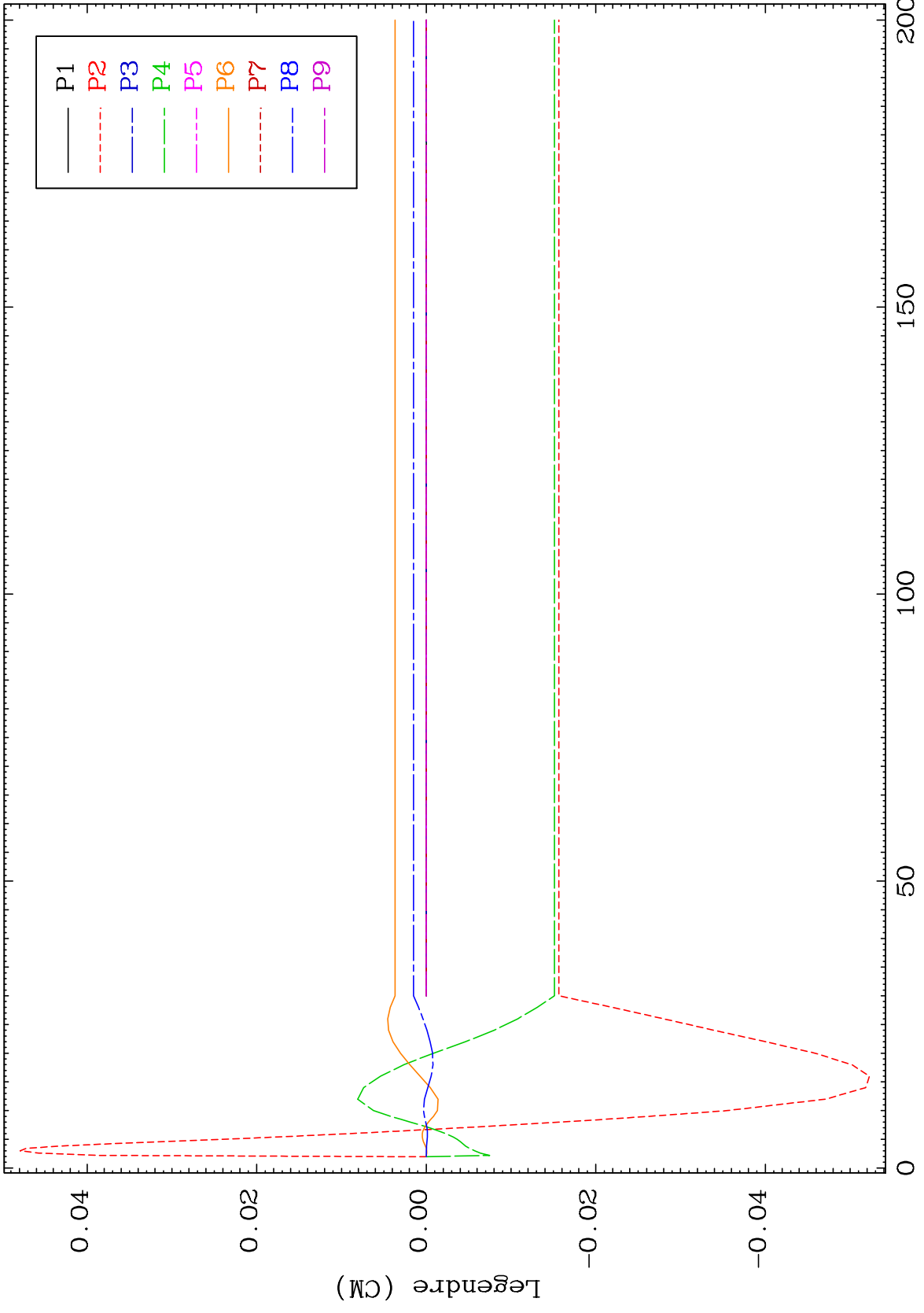
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



68

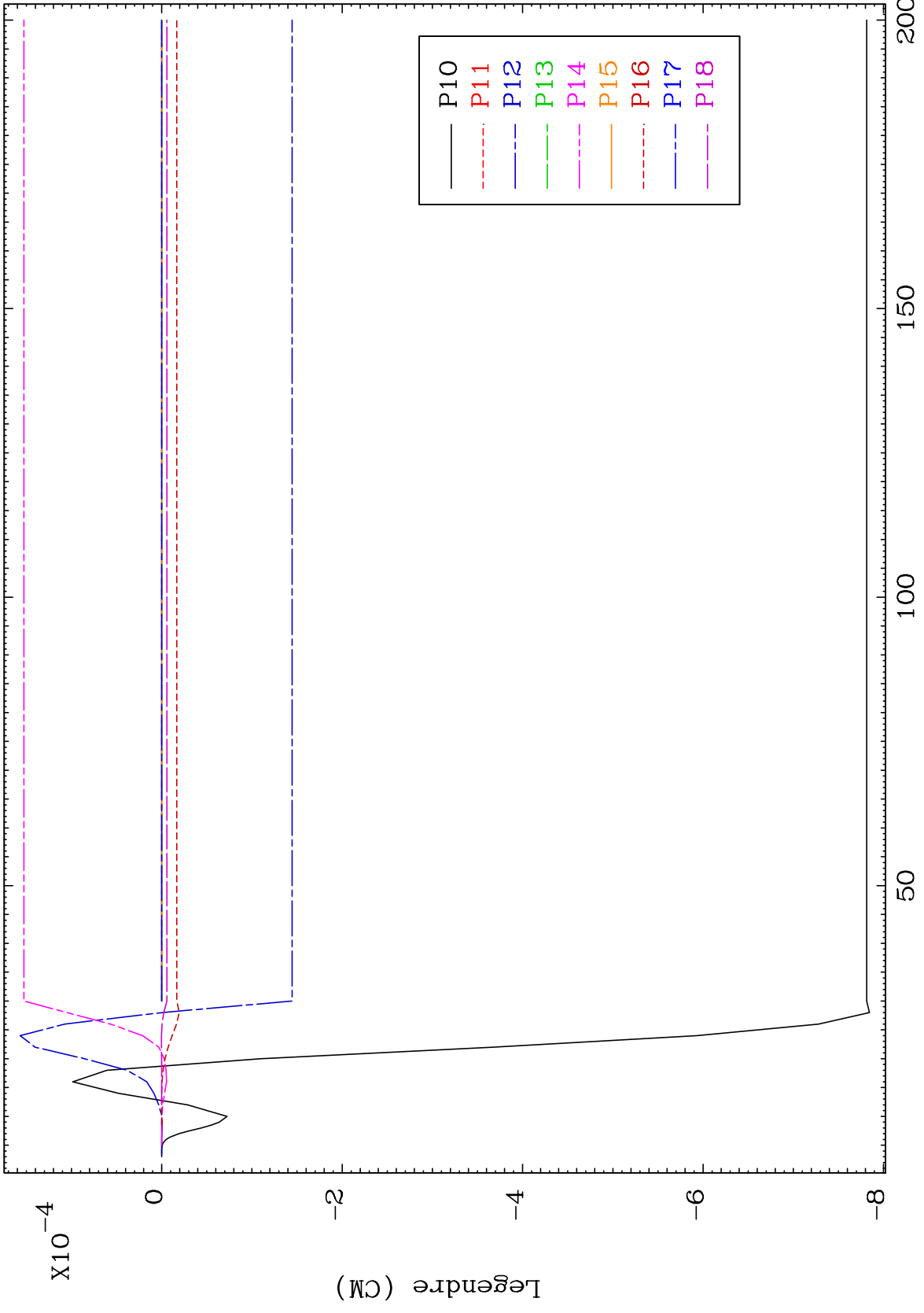
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



69

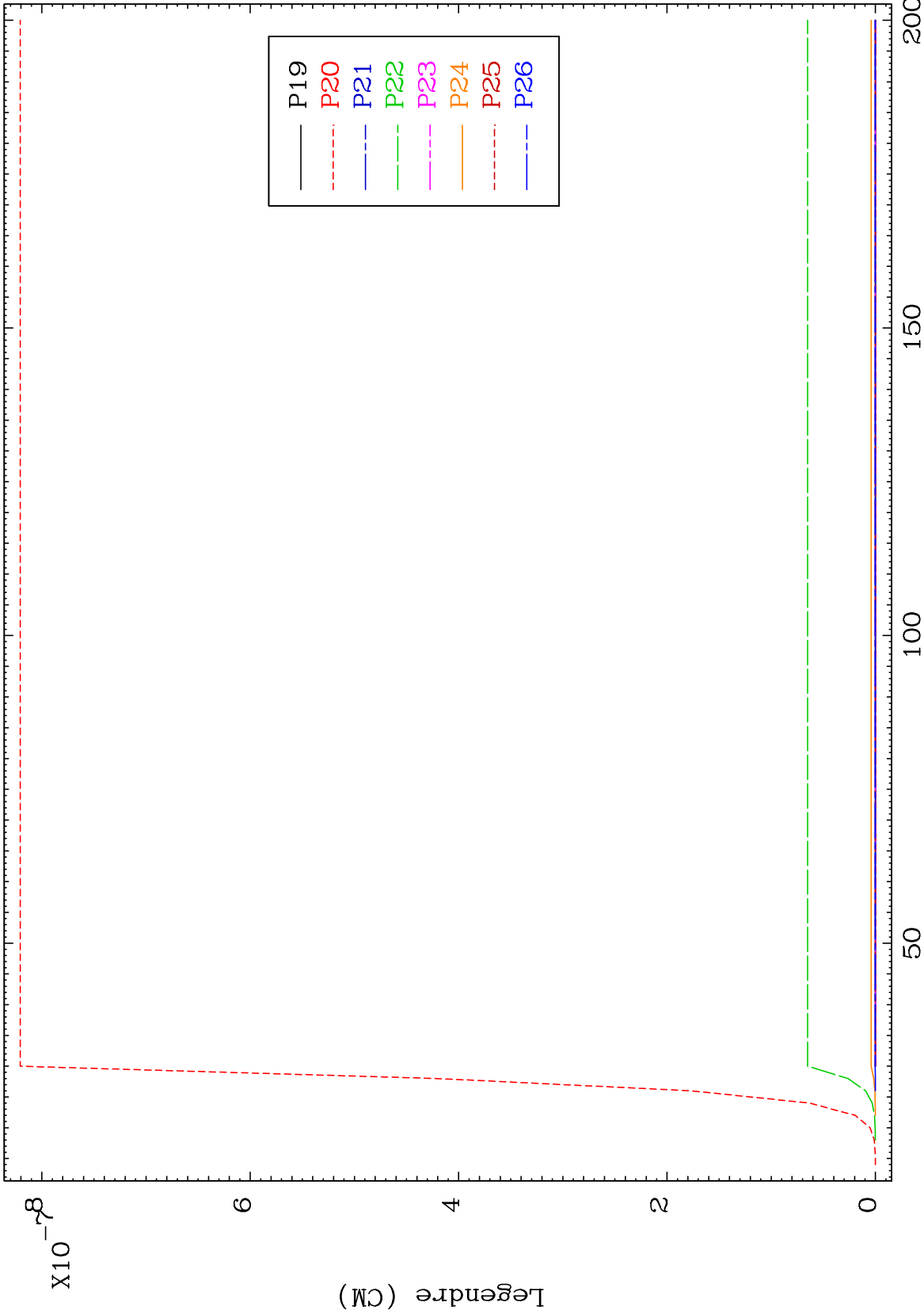
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



70

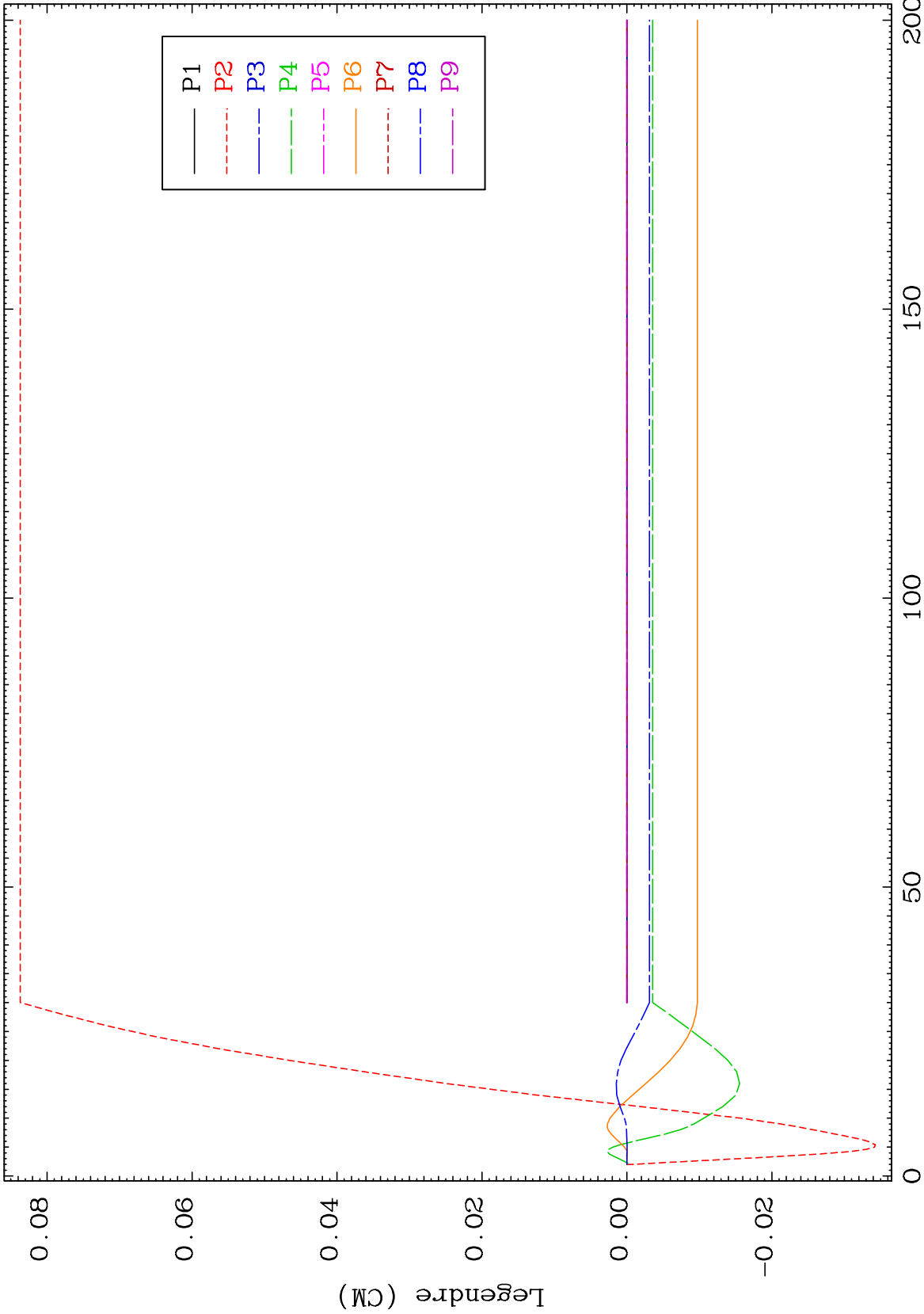
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



71

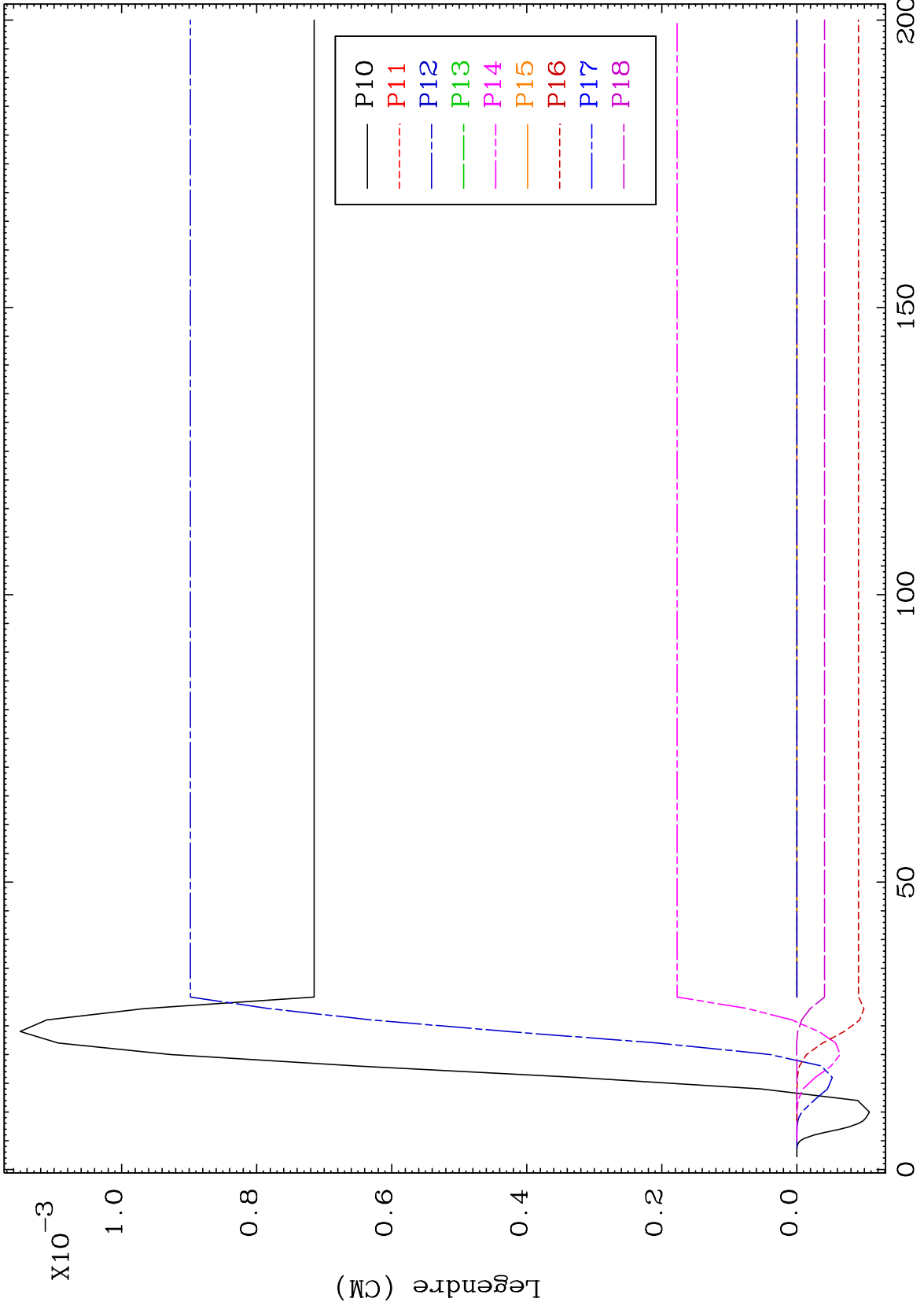
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159

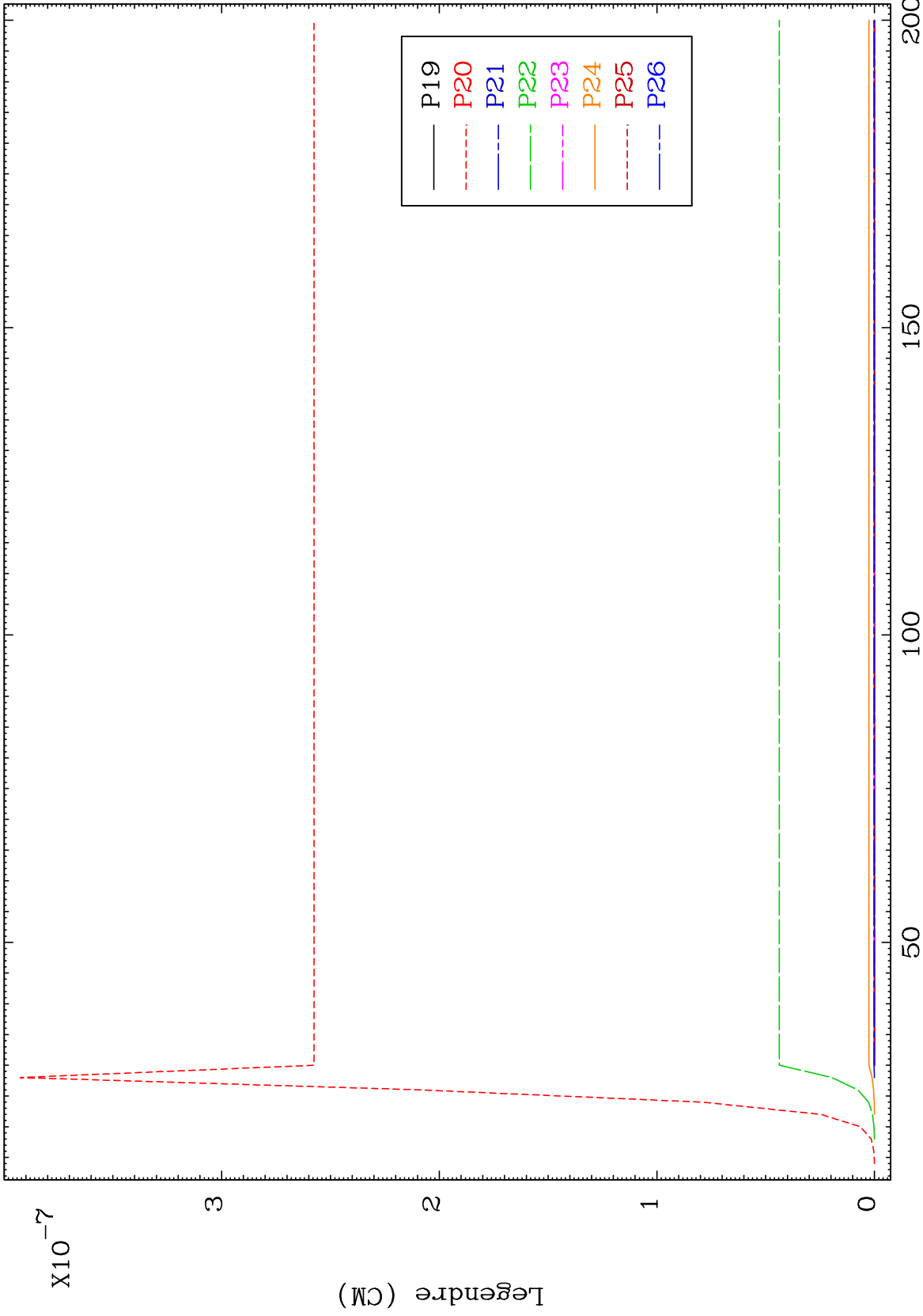


72

MAT 7262

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

73-Ta-159



73

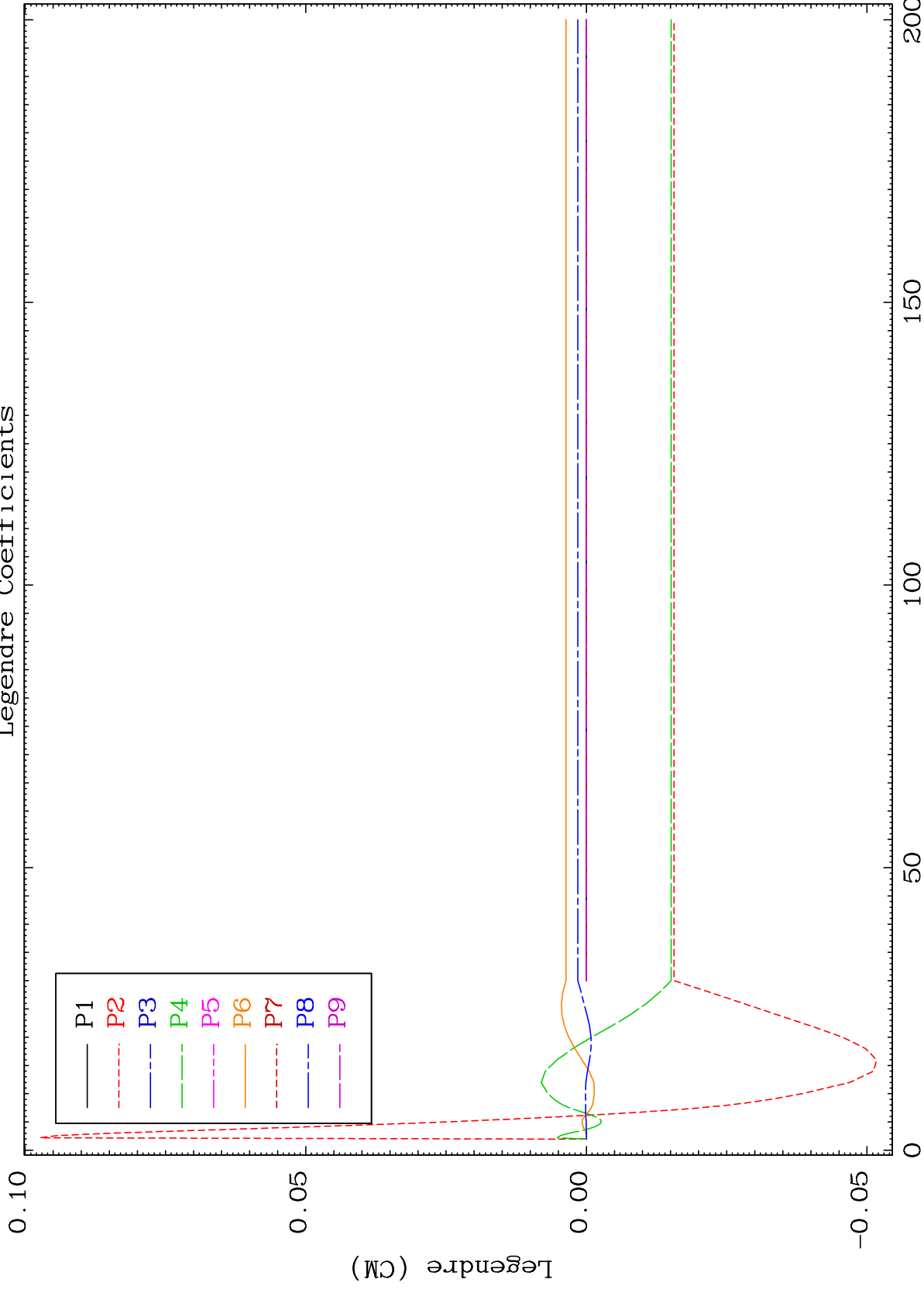
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



73-Ta-159

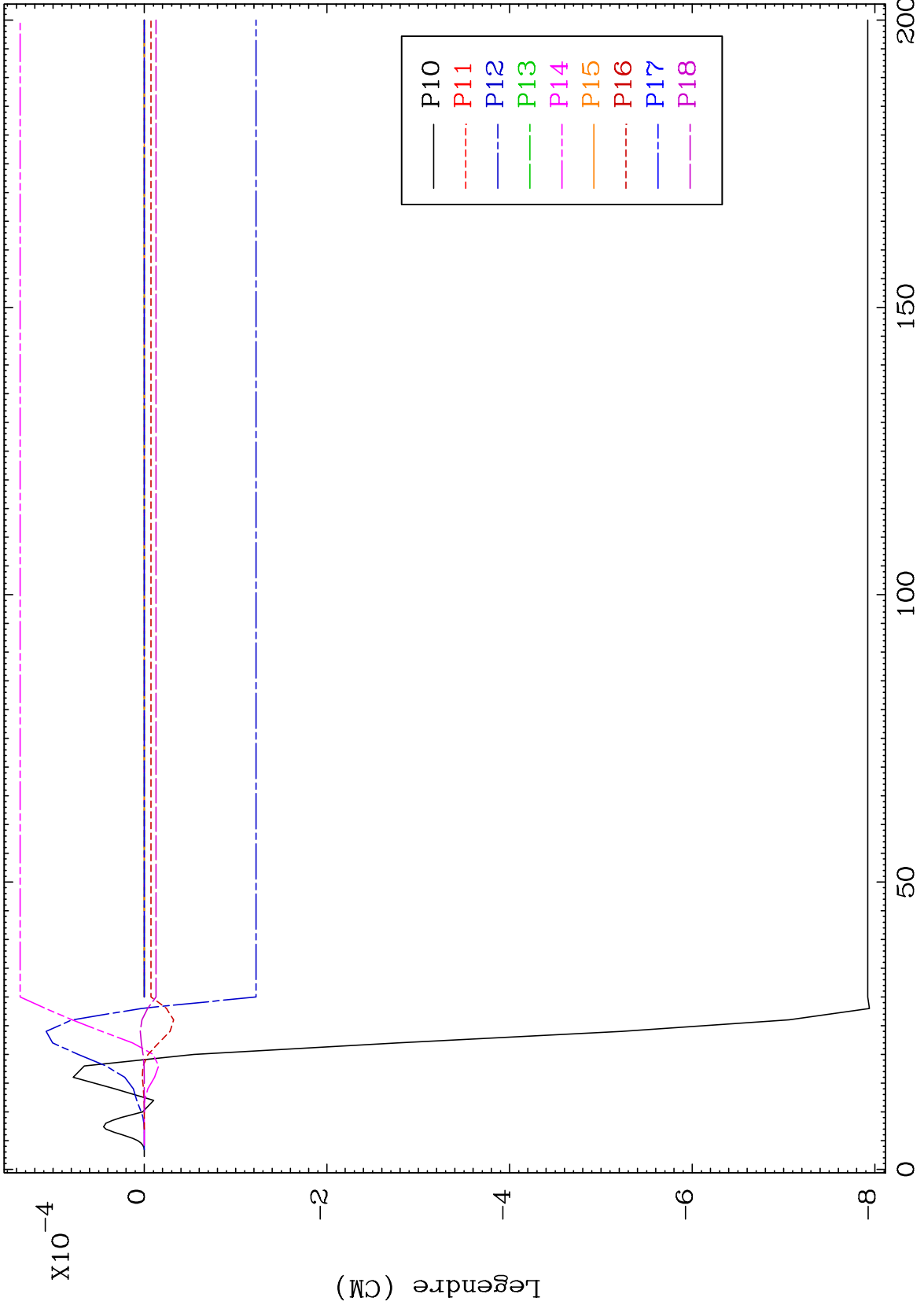
Incident Energy (MeV)

74

MAT 7262

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

73-Ta-159



75

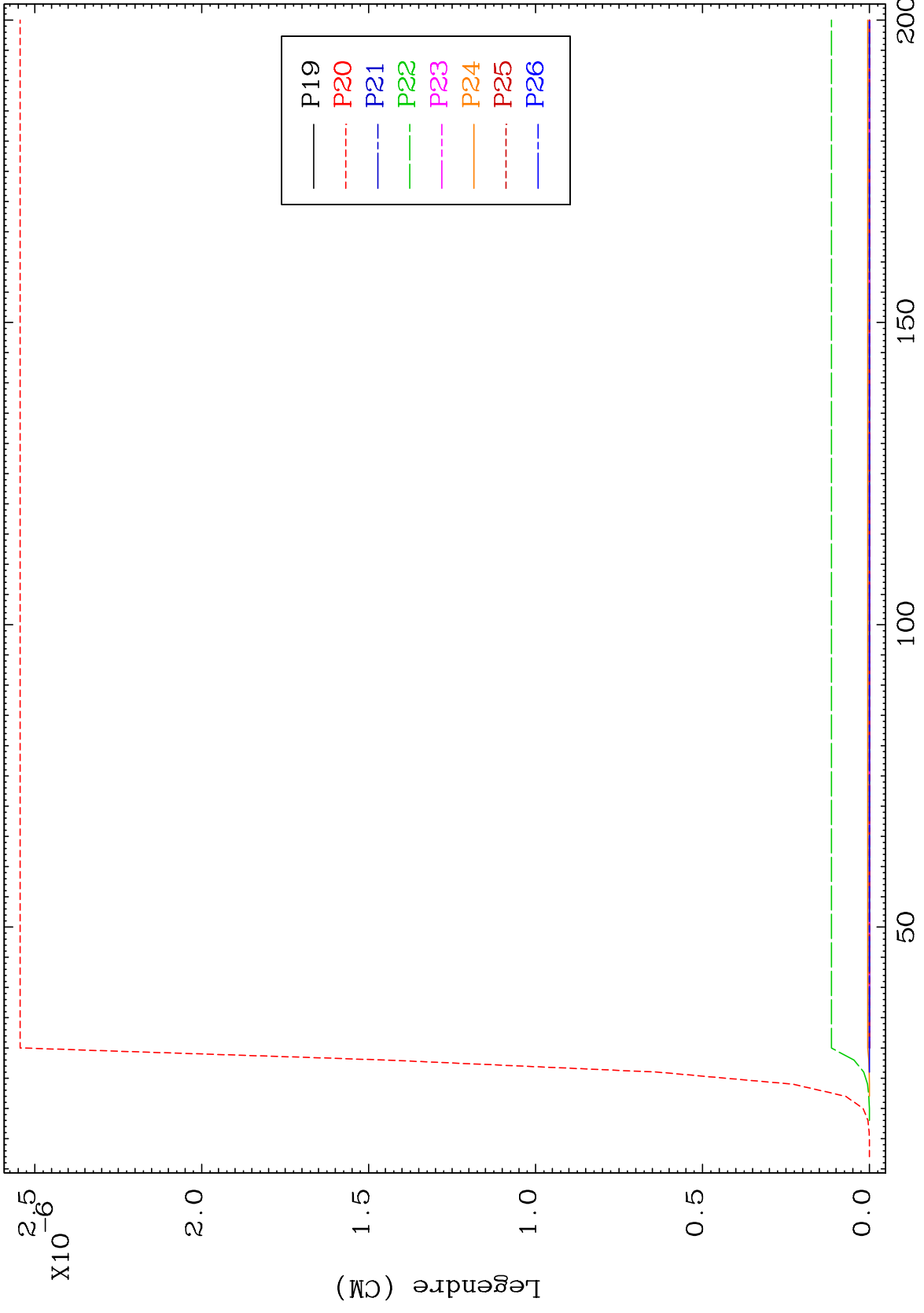
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



76

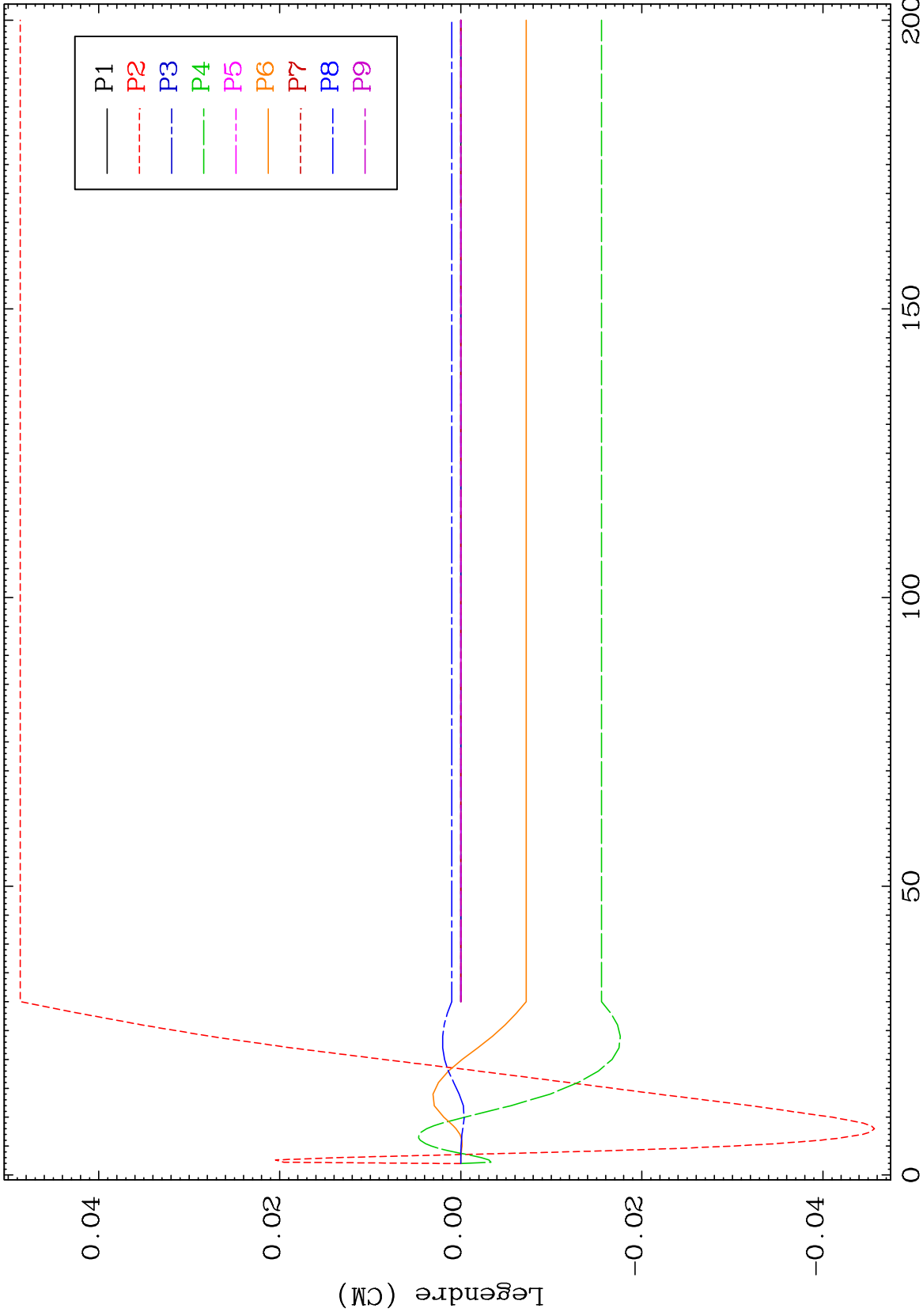
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



77

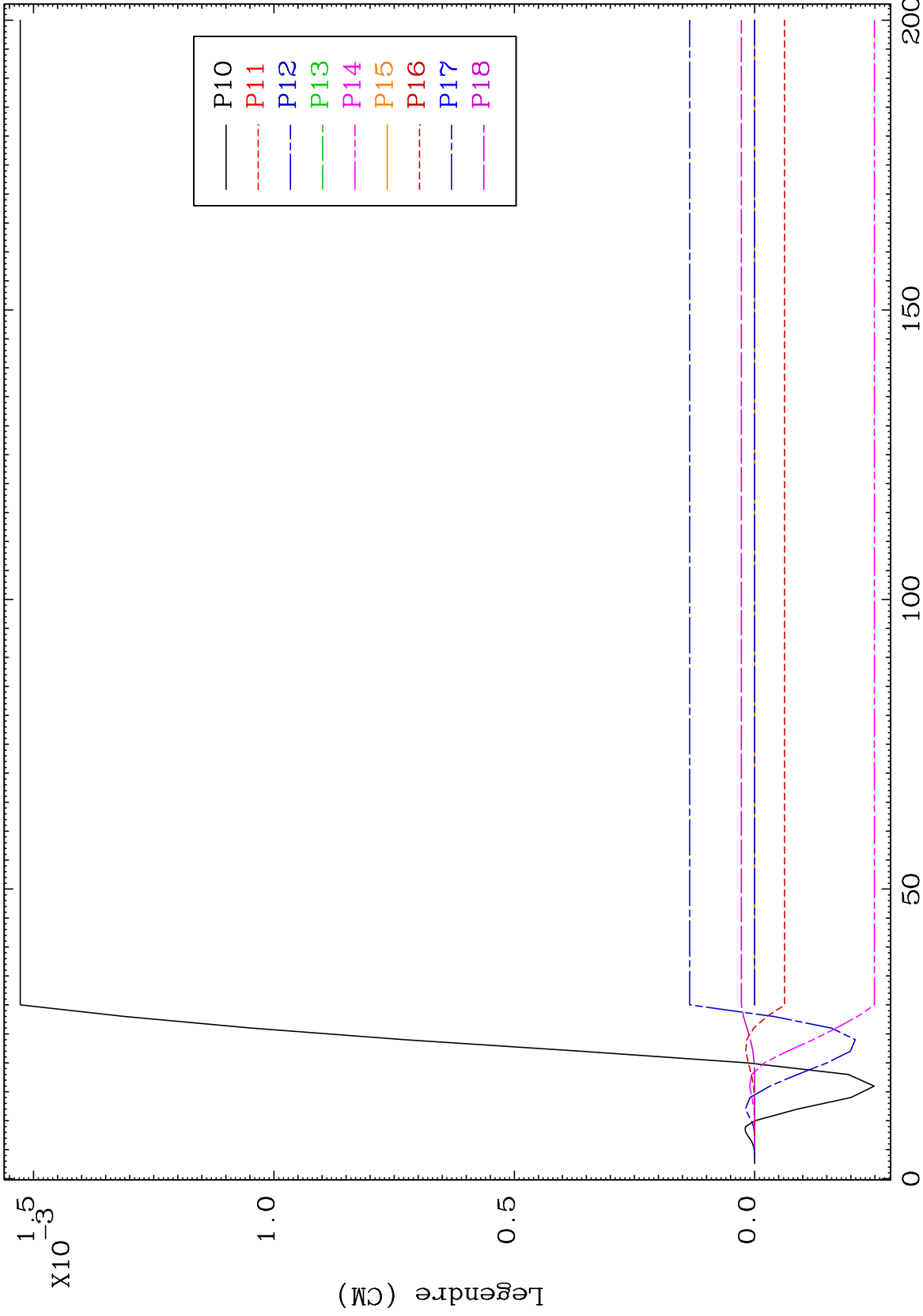
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



78

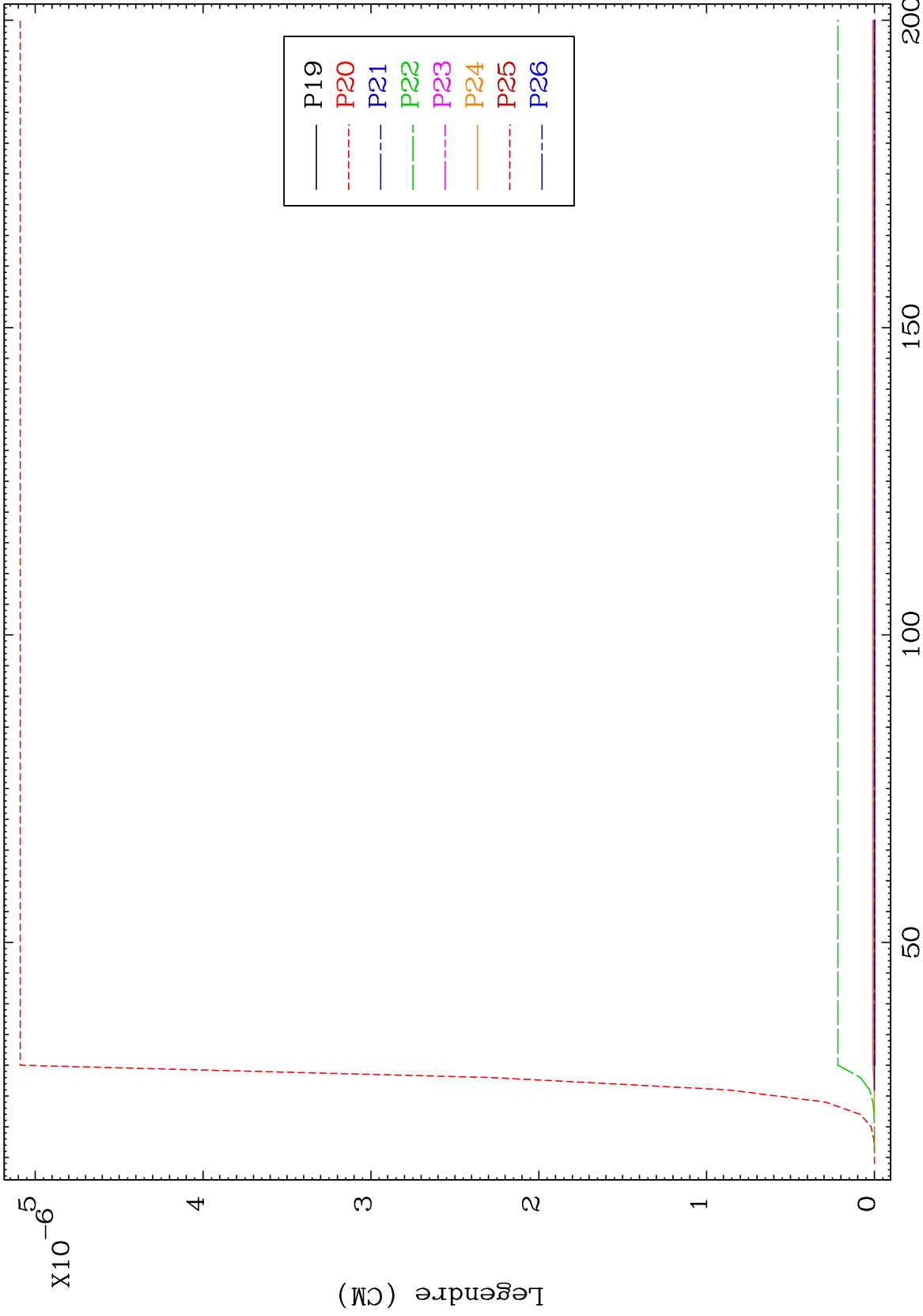
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



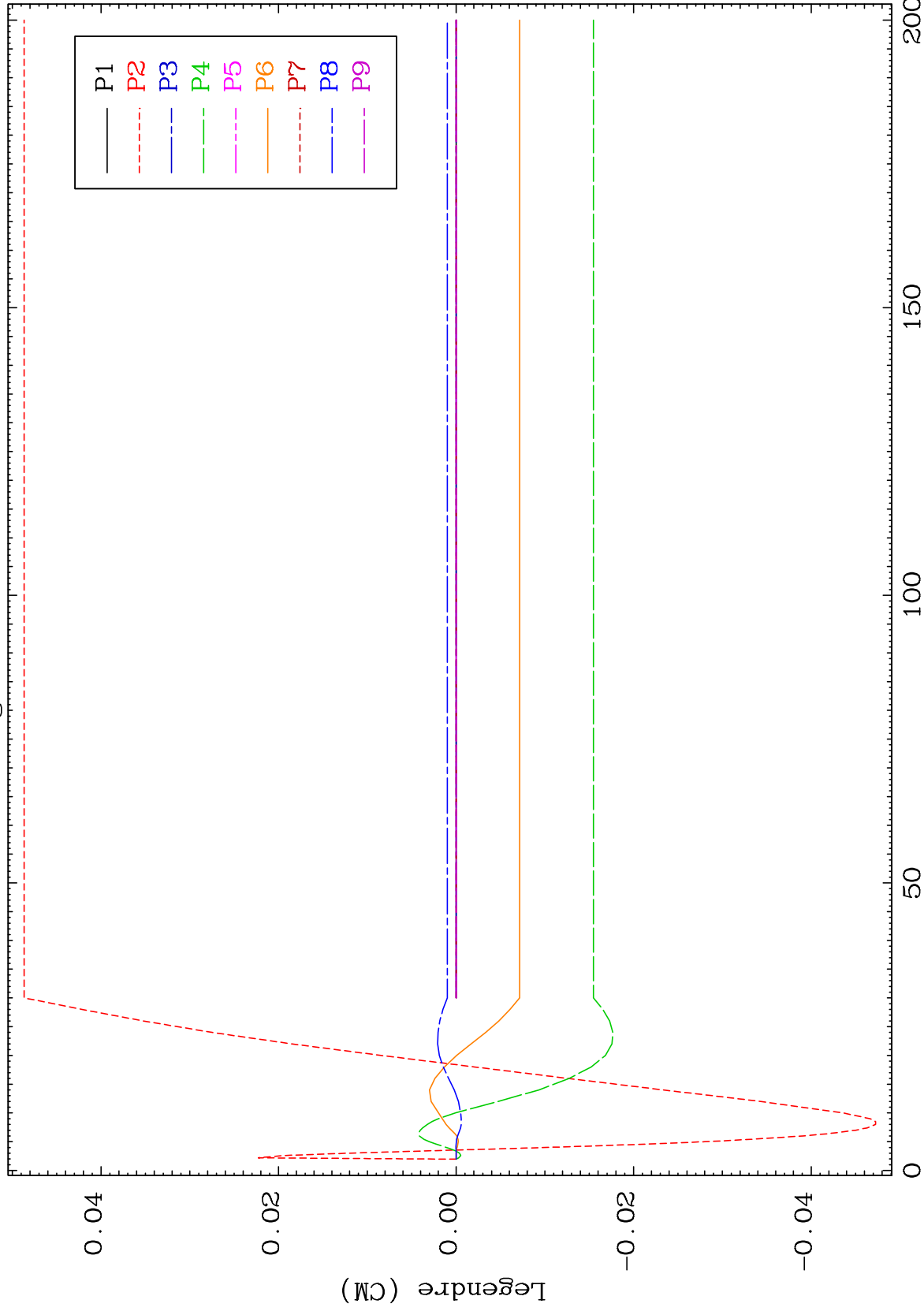
79

73-Ta-159

MAT 7262

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

73-Ta-159



73-Ta-159

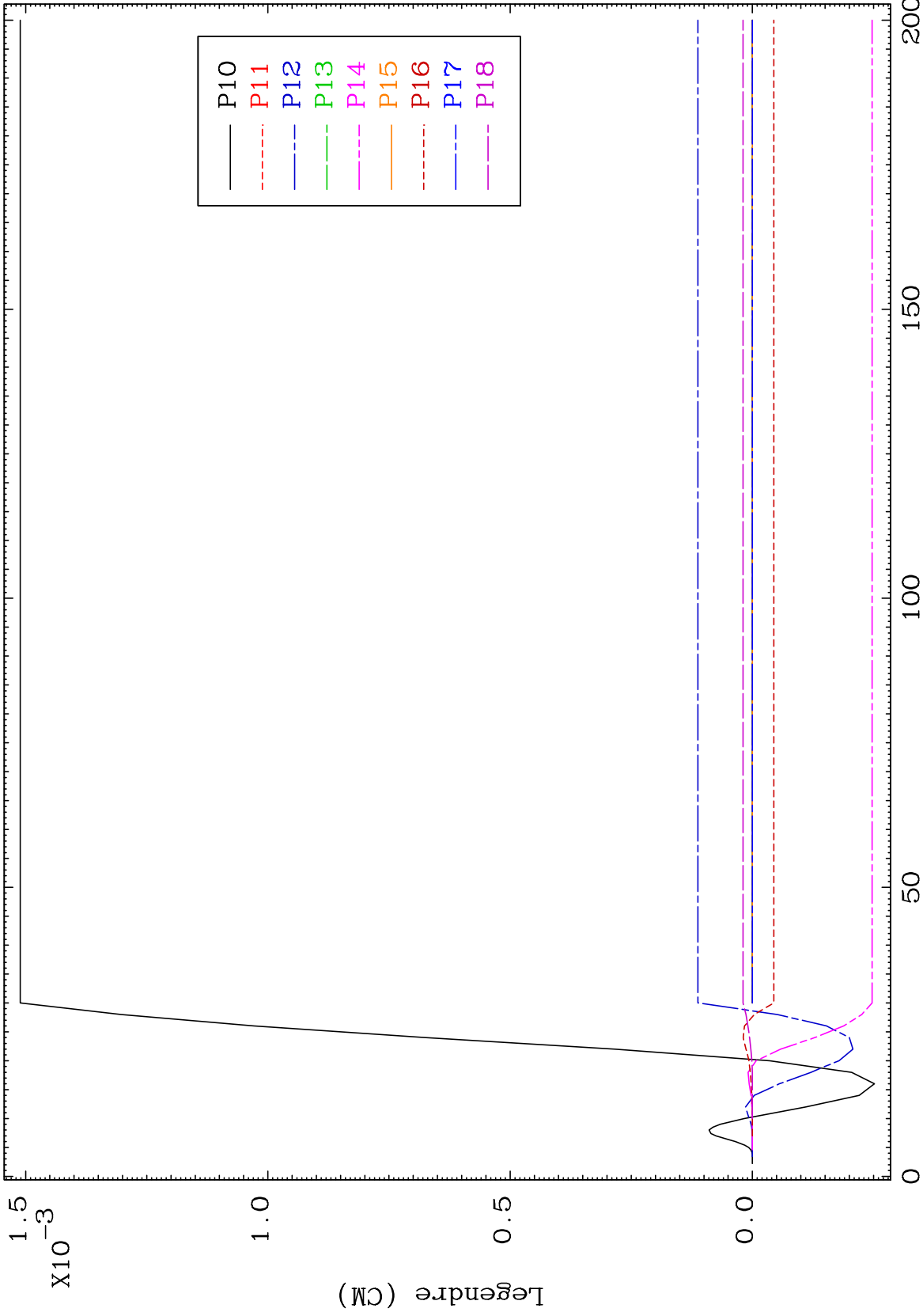
Incident Energy (MeV)

80

MAT 7262

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

73-Ta-159



81

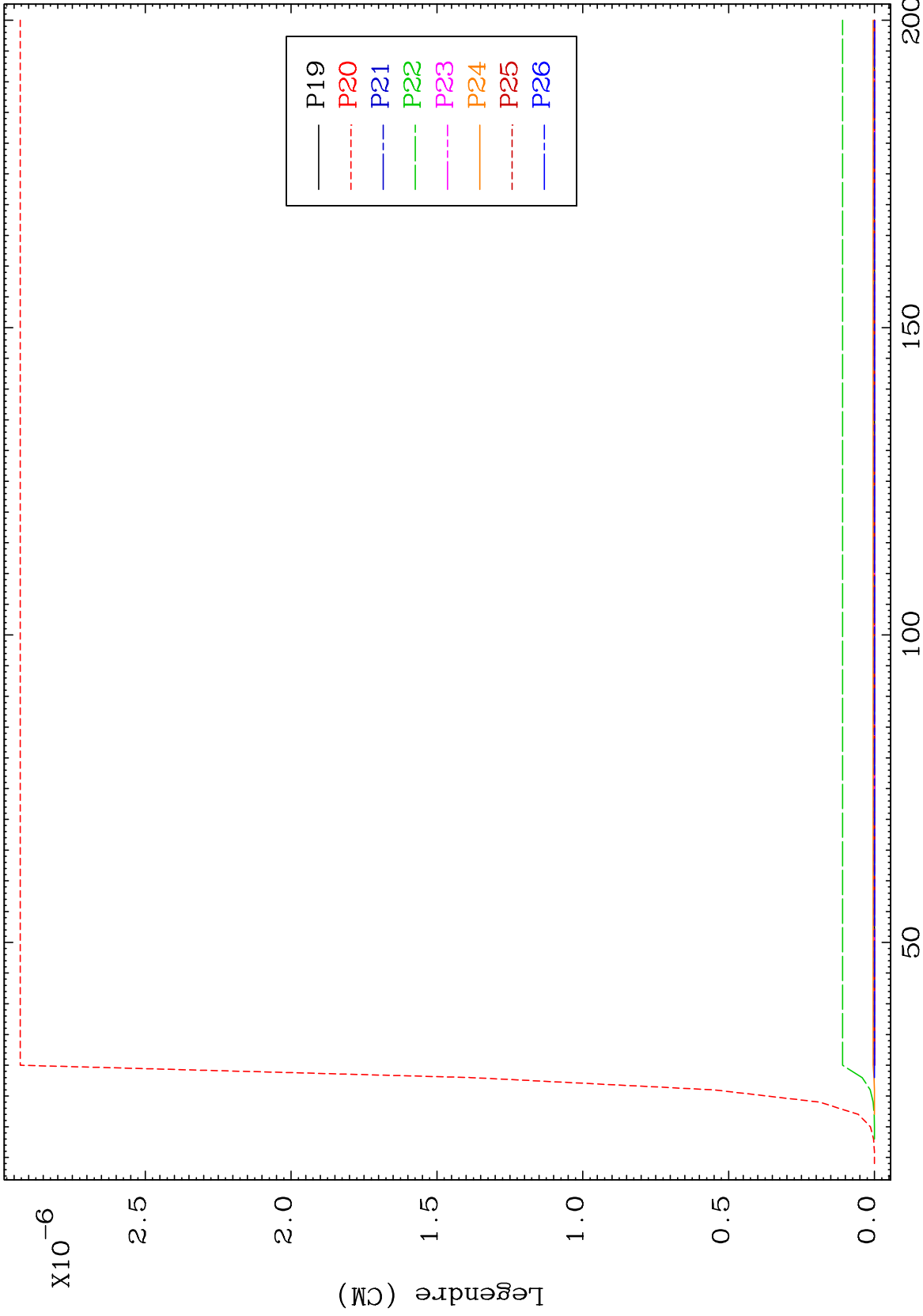
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



82

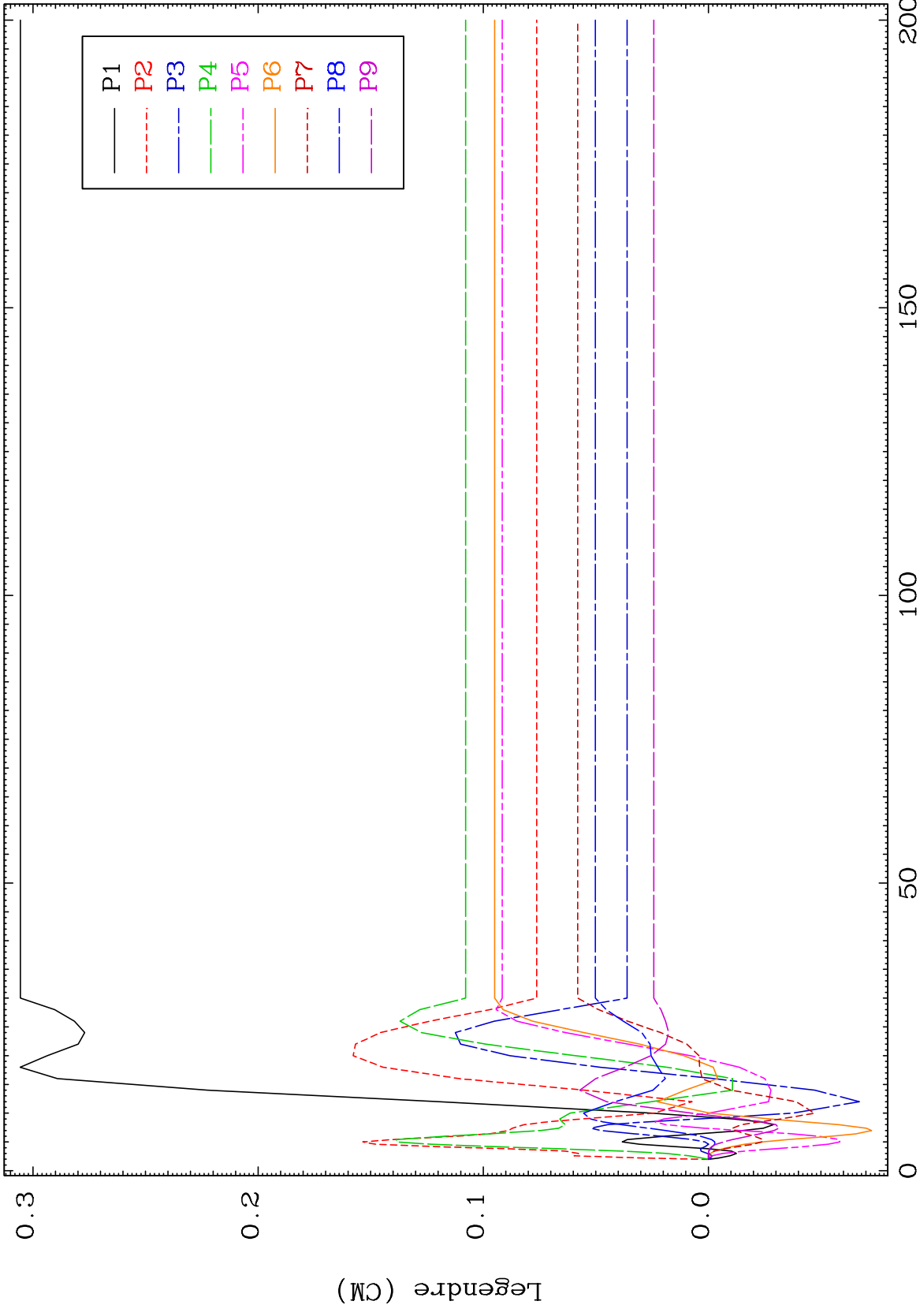
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



83

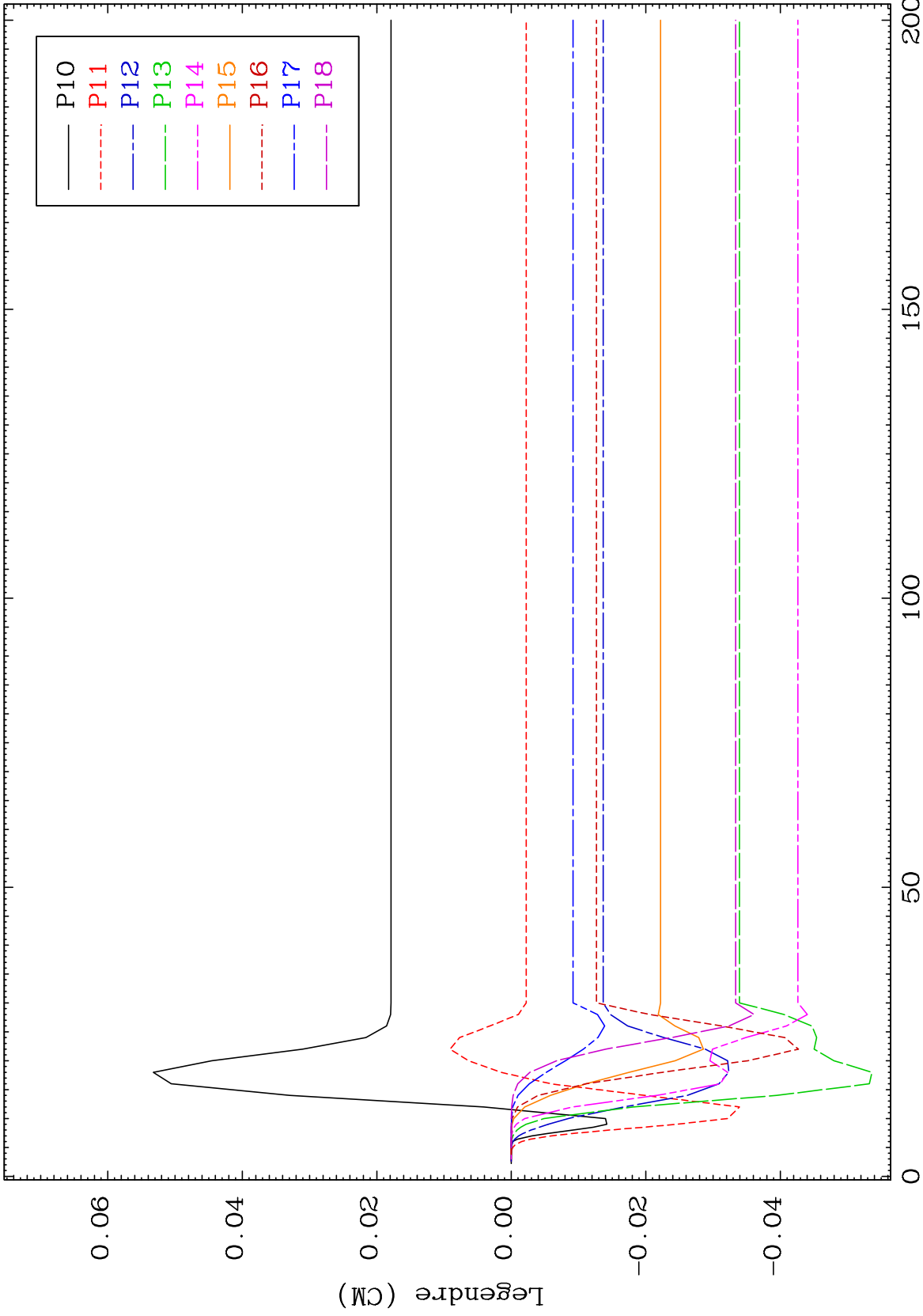
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



84

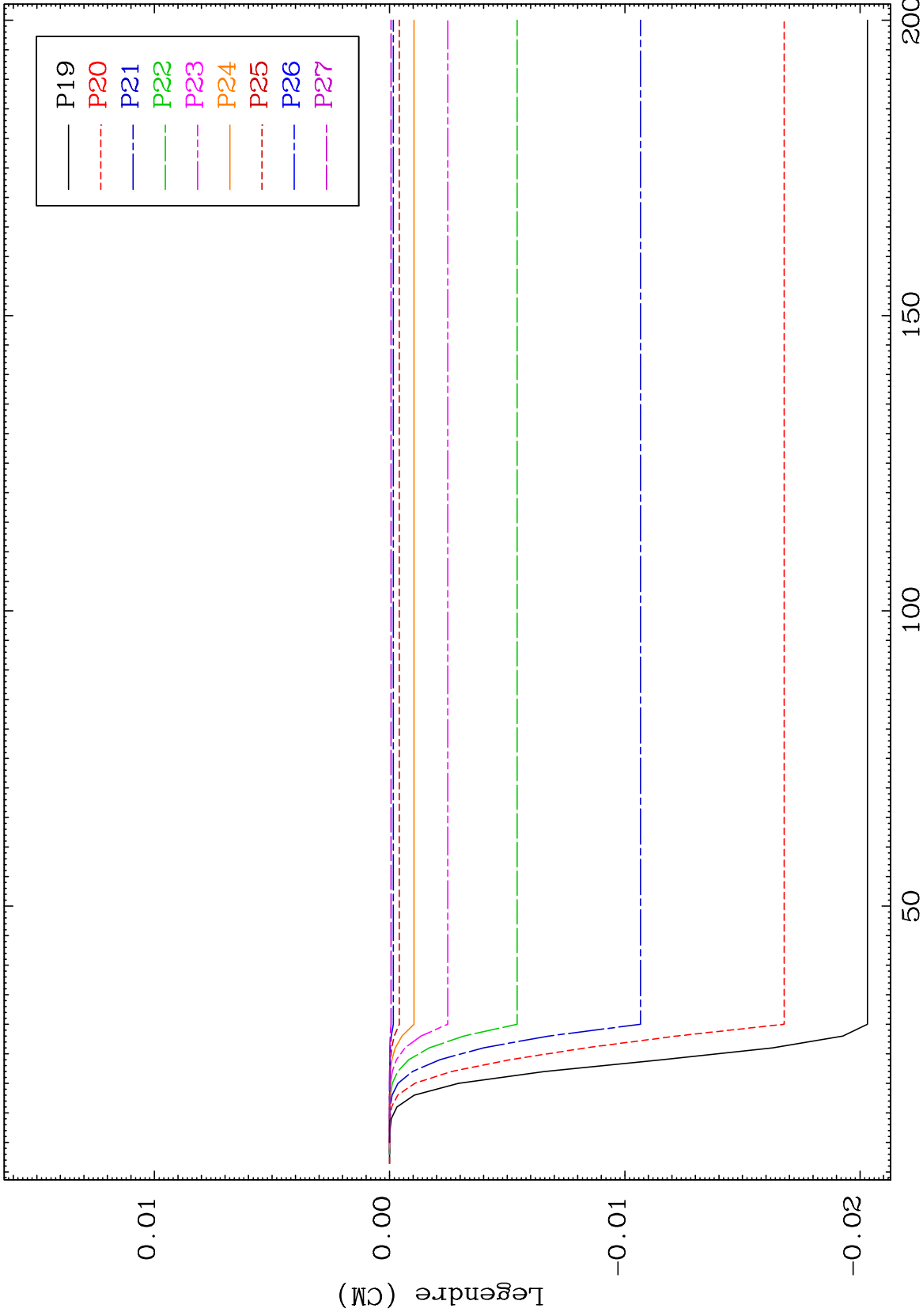
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



85

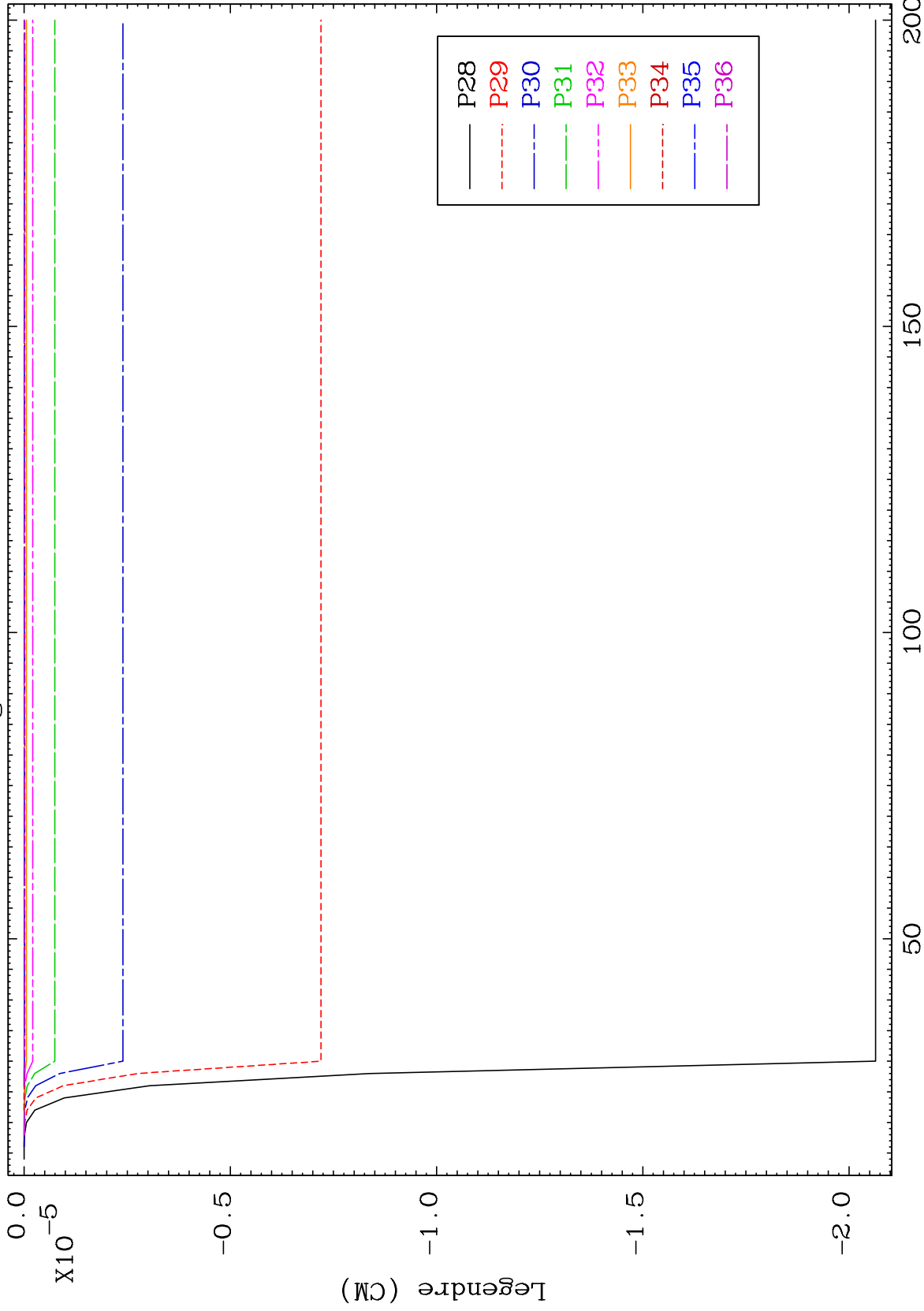
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



73-Ta-159

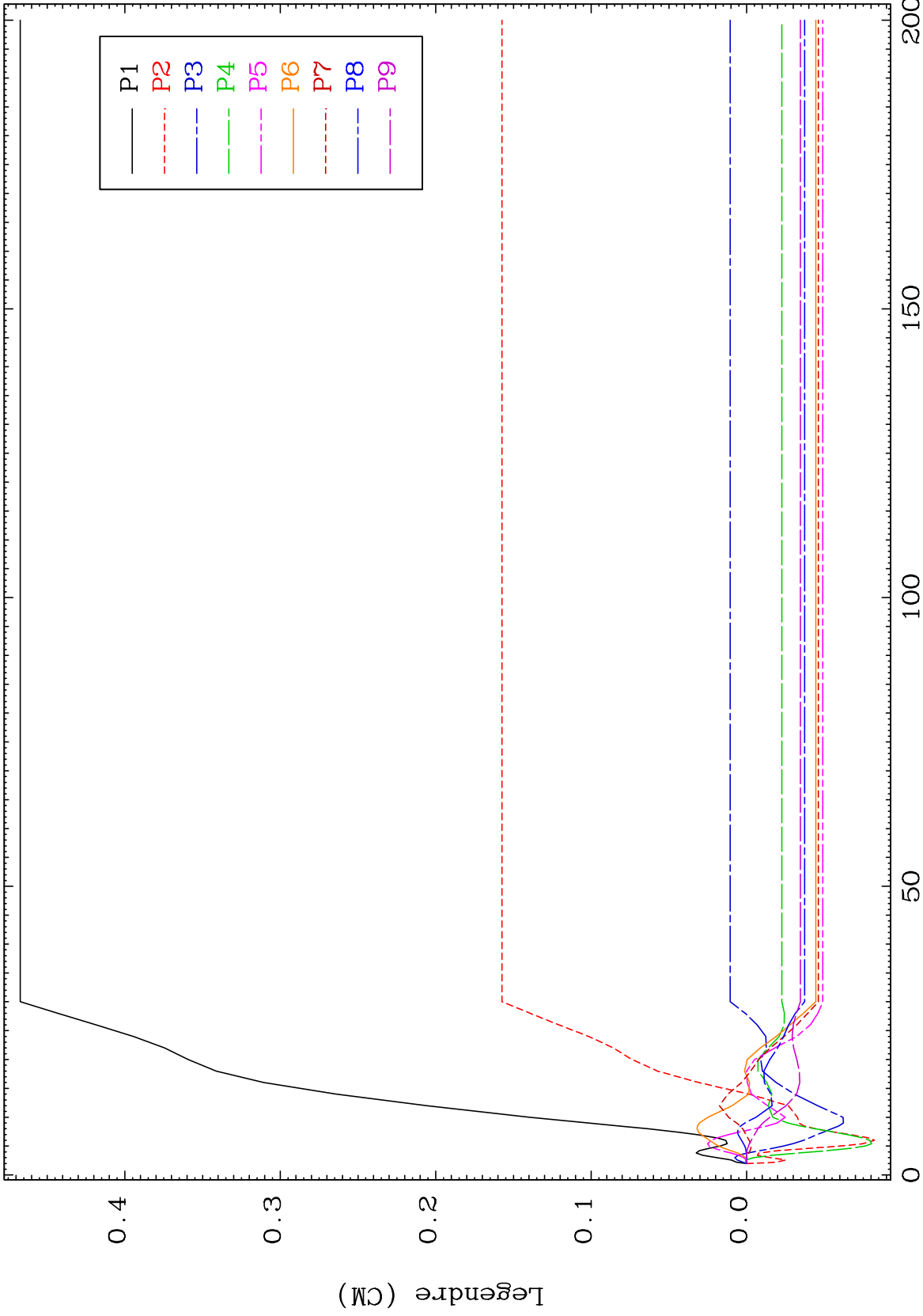
Incident Energy (MeV)

86

MAT 7262

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

73-Ta-159



87

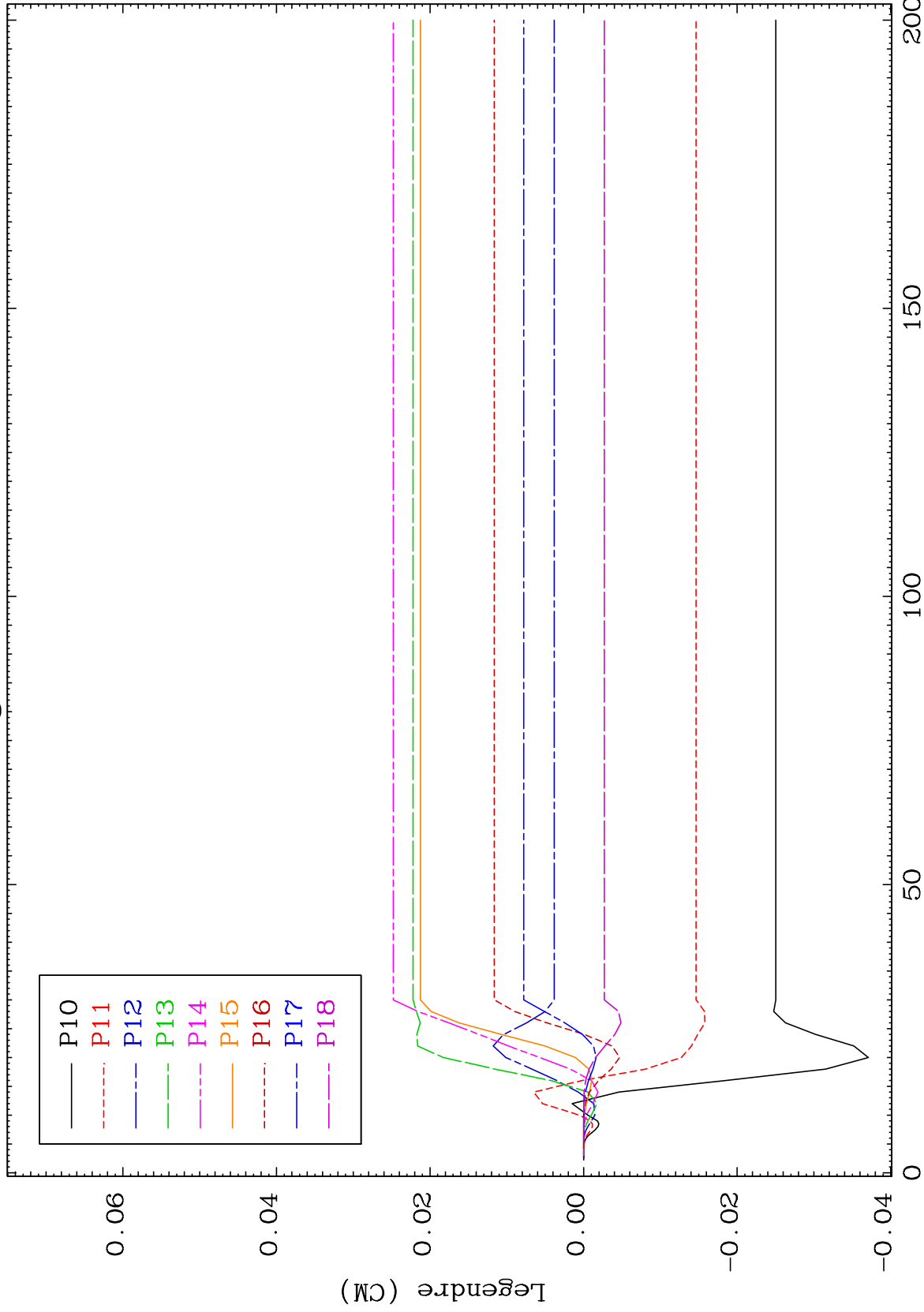
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



88

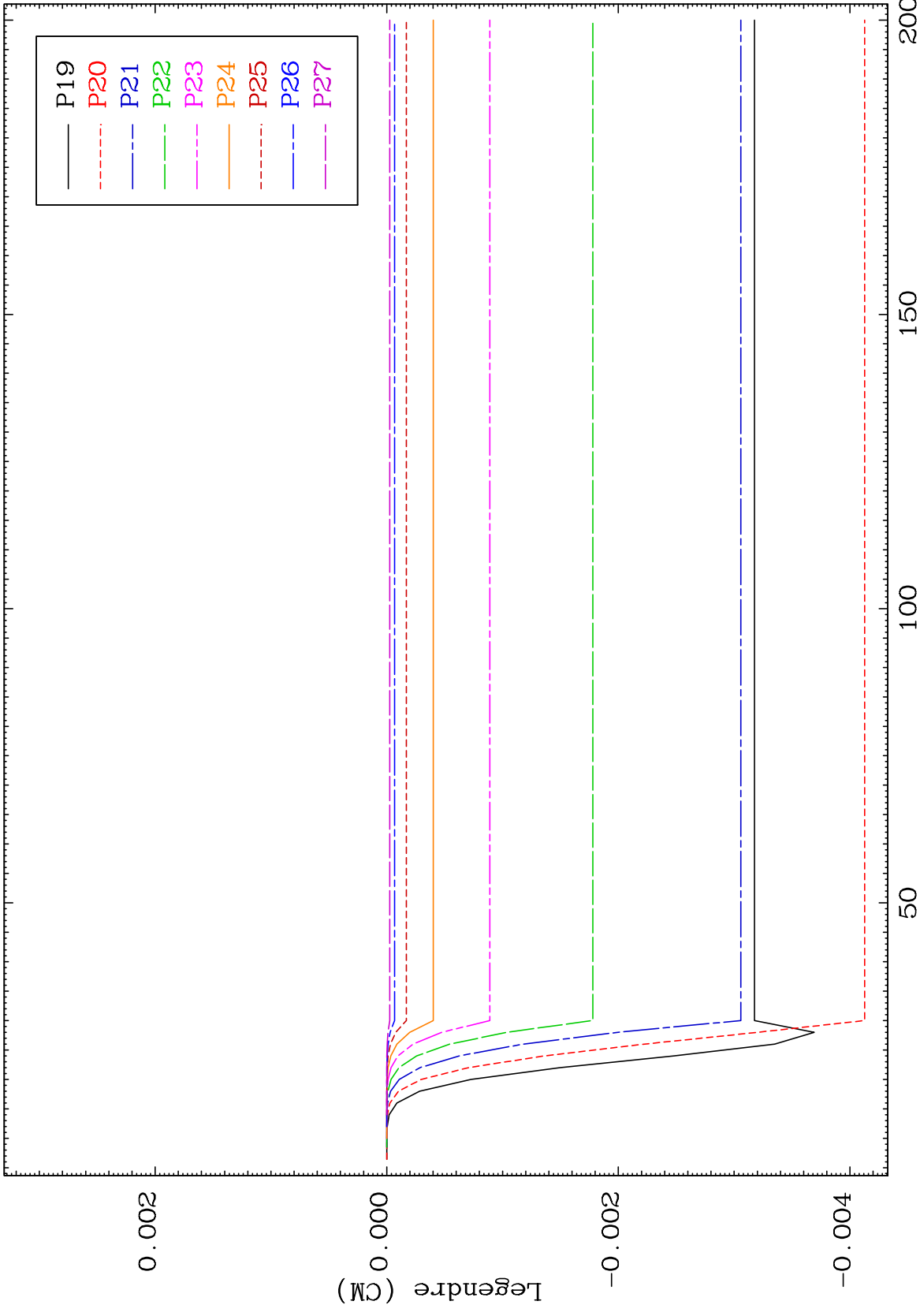
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



89

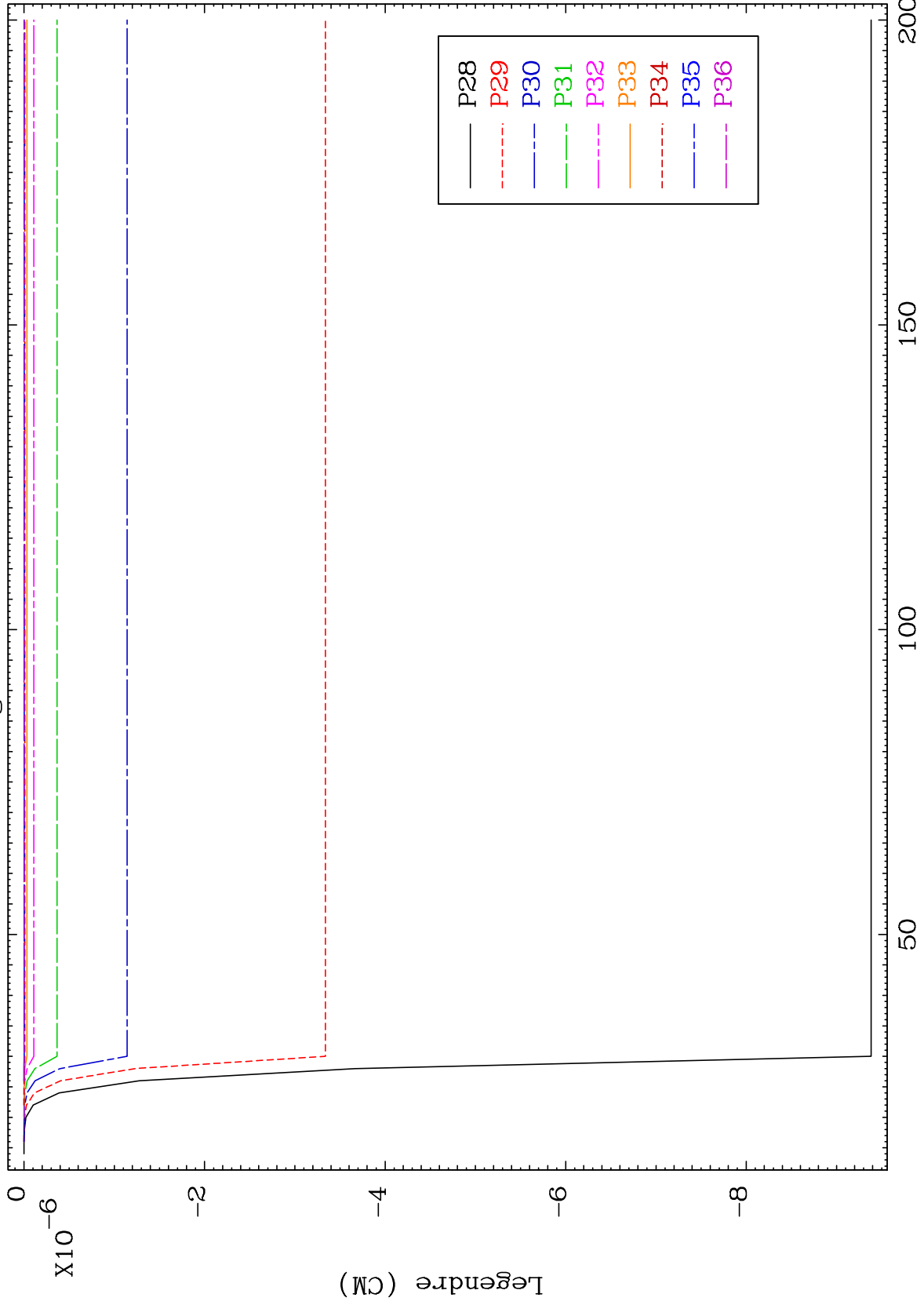
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



73-Ta-159

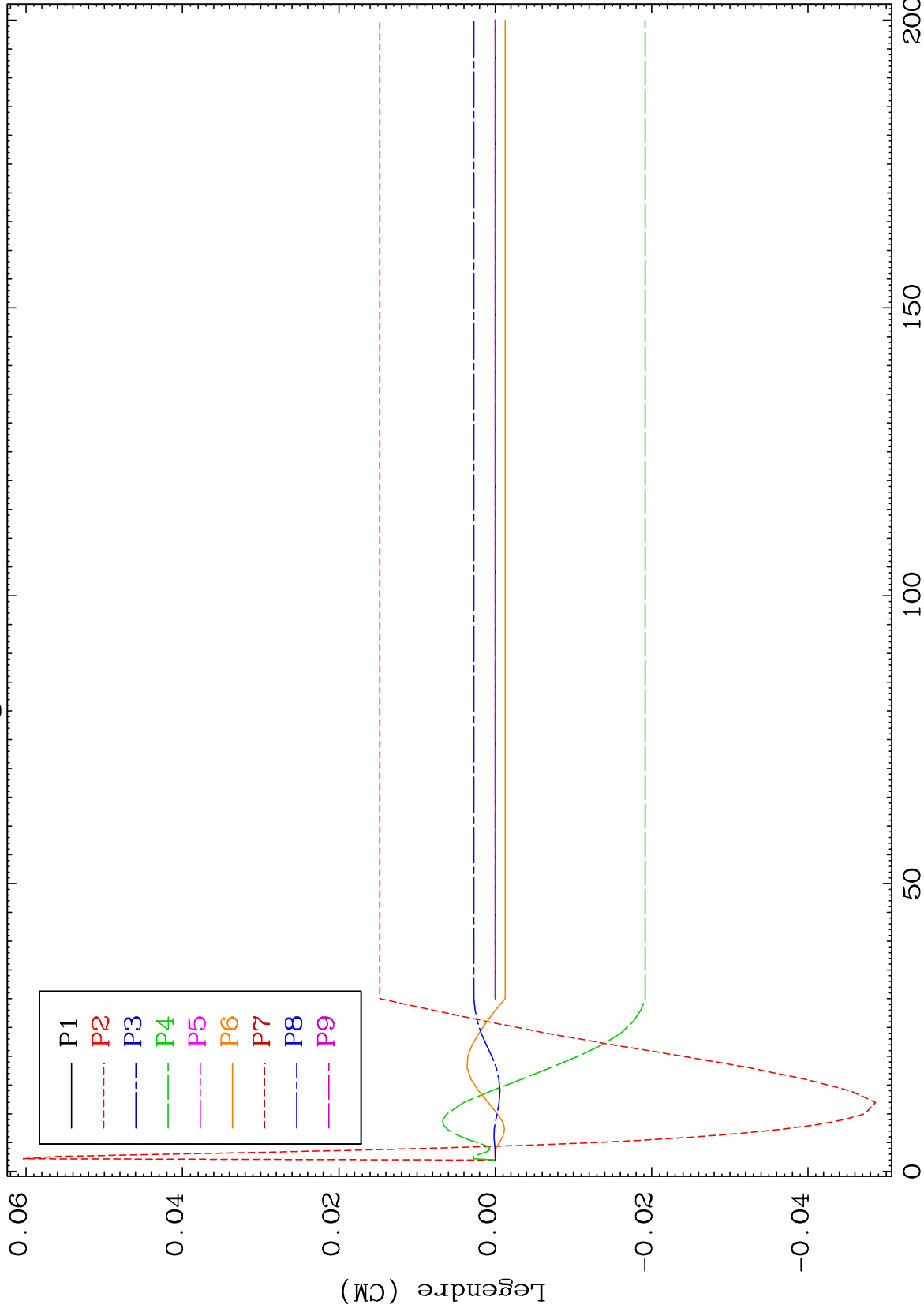
Incident Energy (MeV)

90

MAT 7262

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

73-Ta-159



91

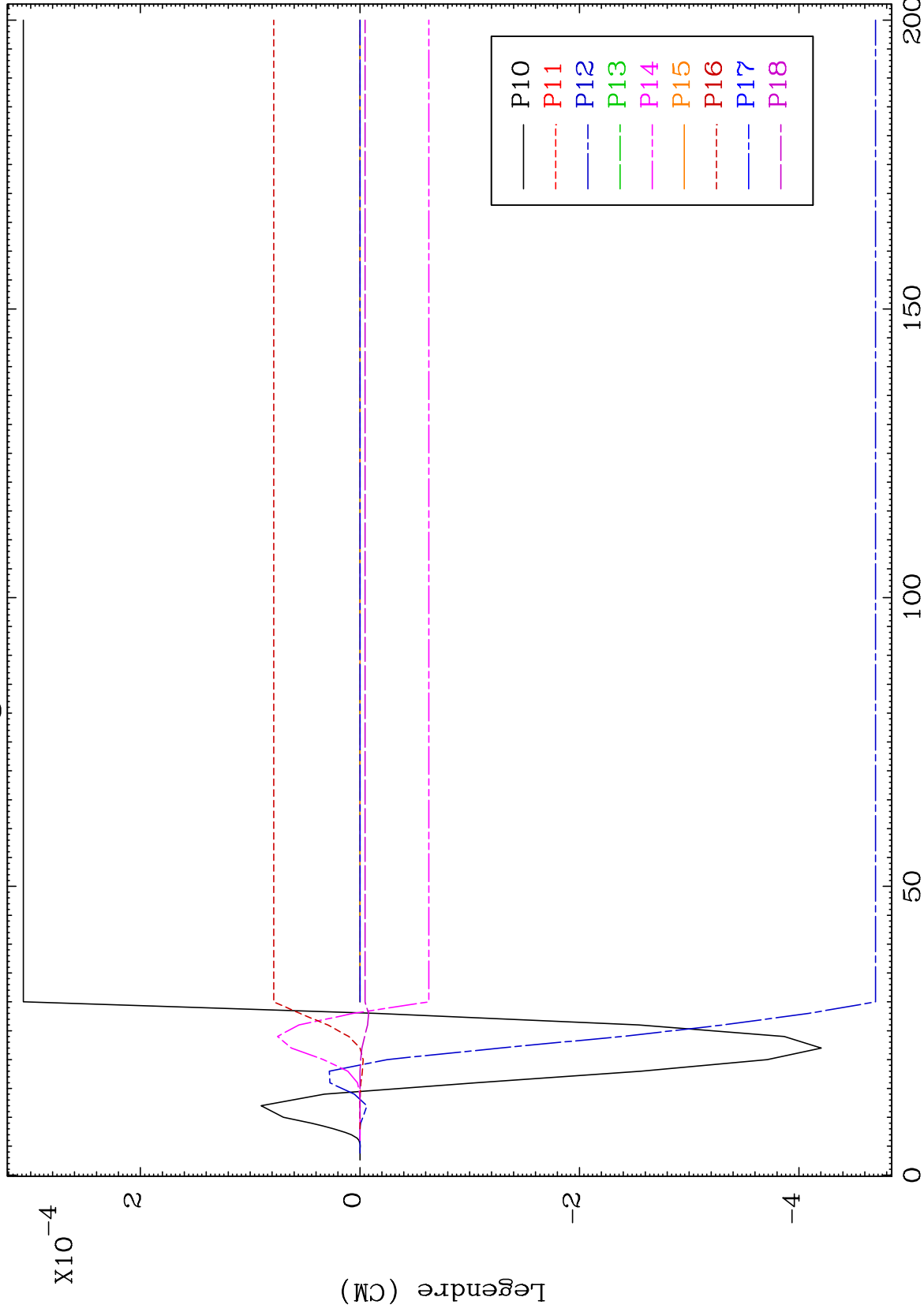
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



92

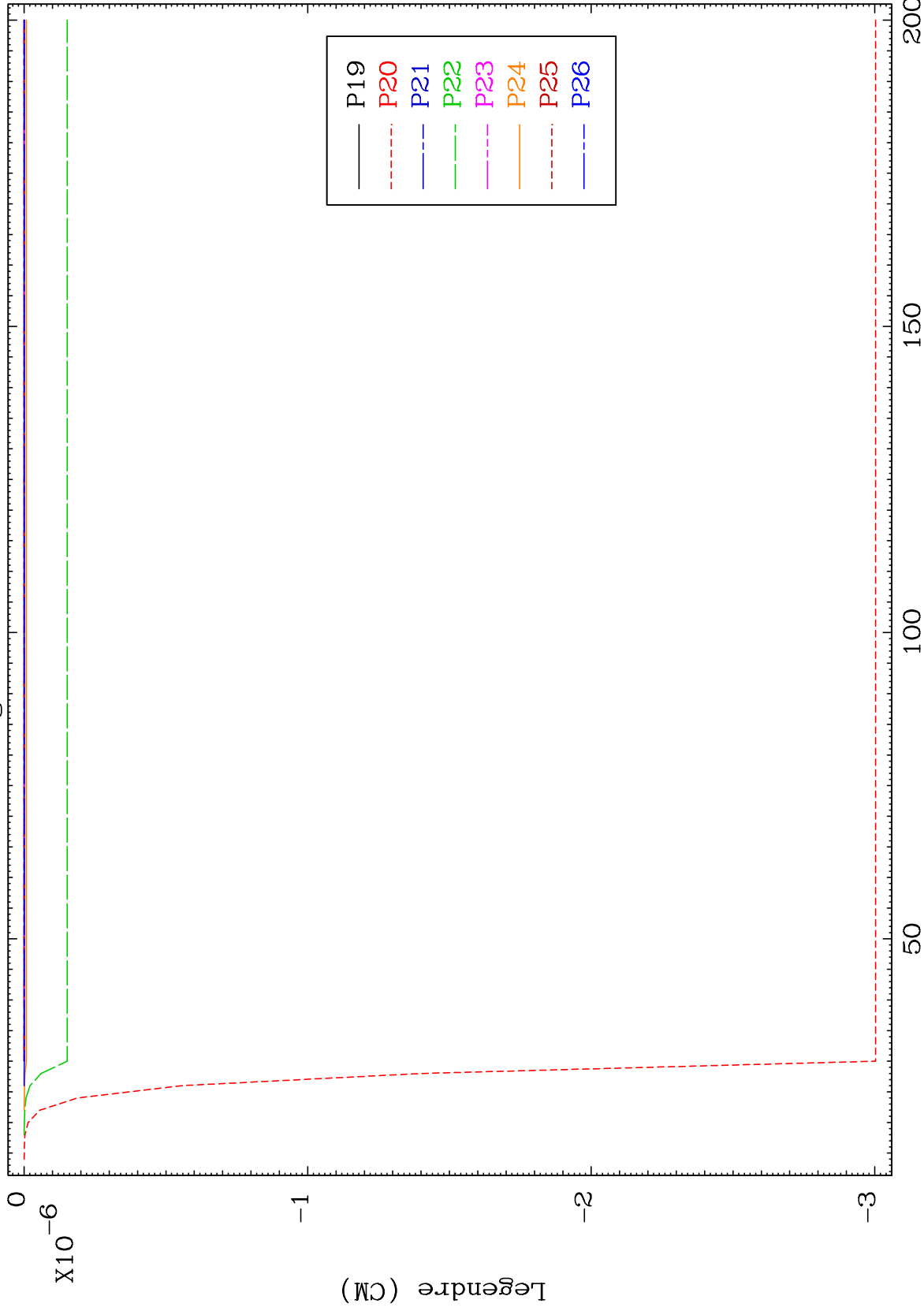
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



93

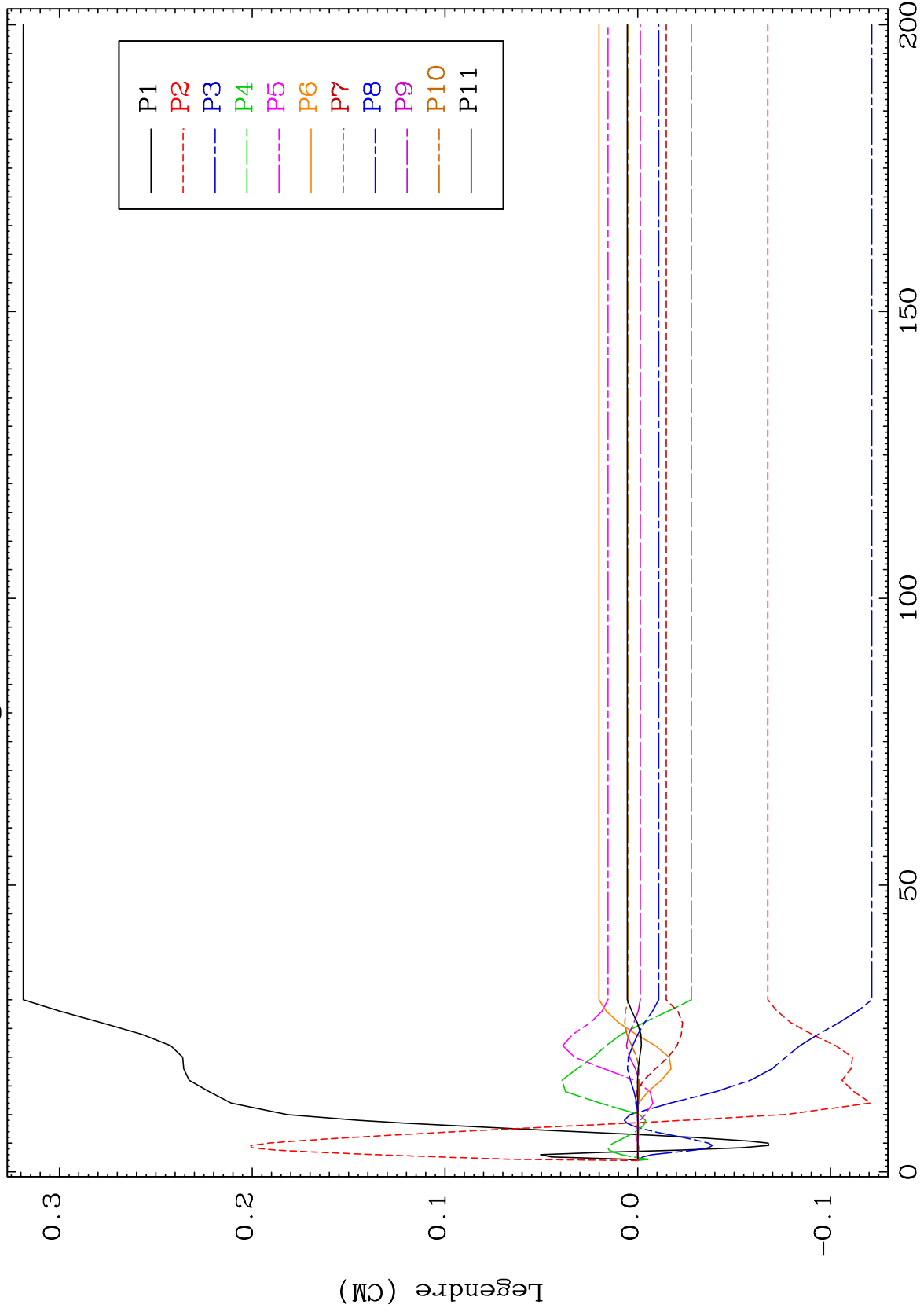
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



94

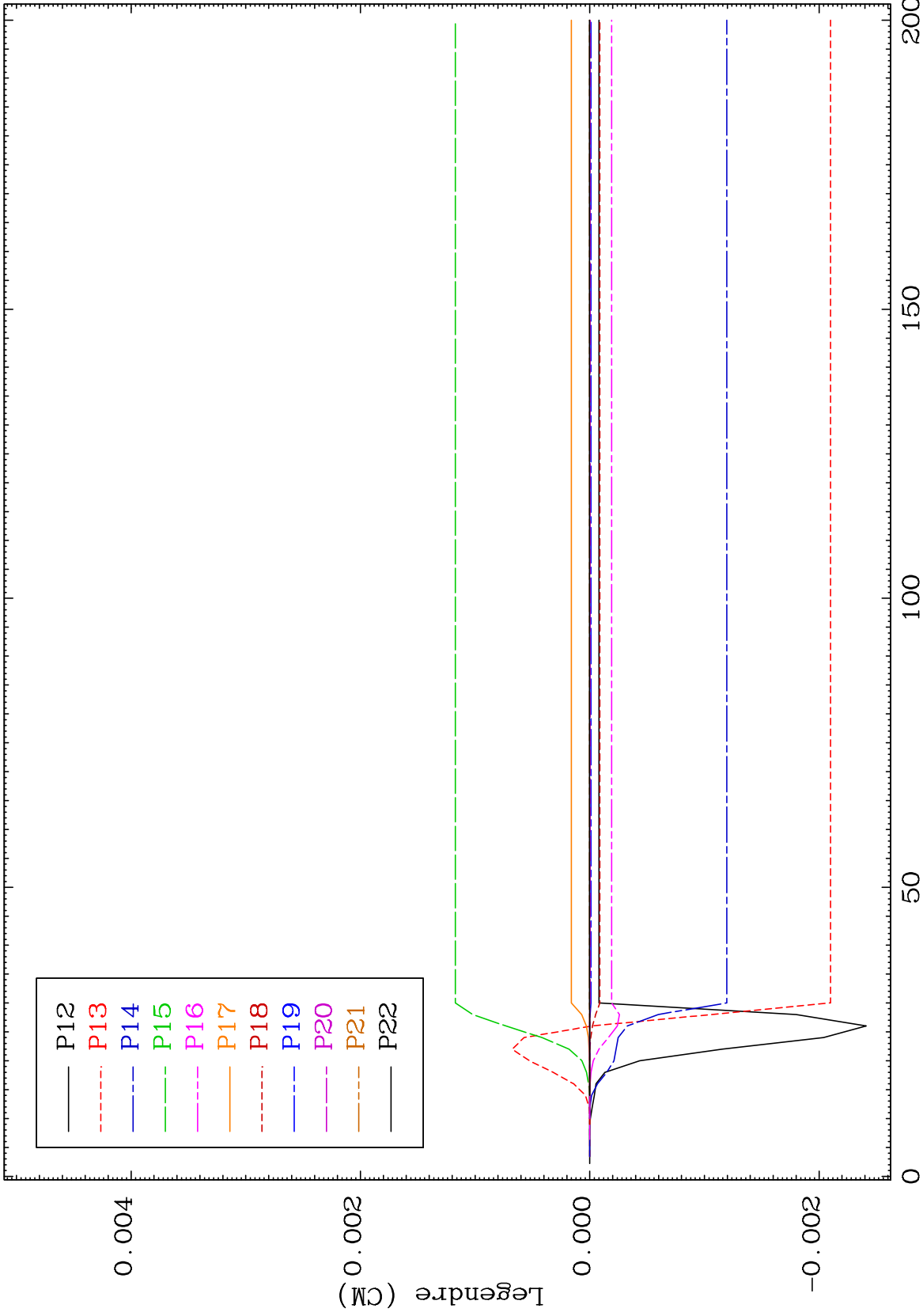
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



95

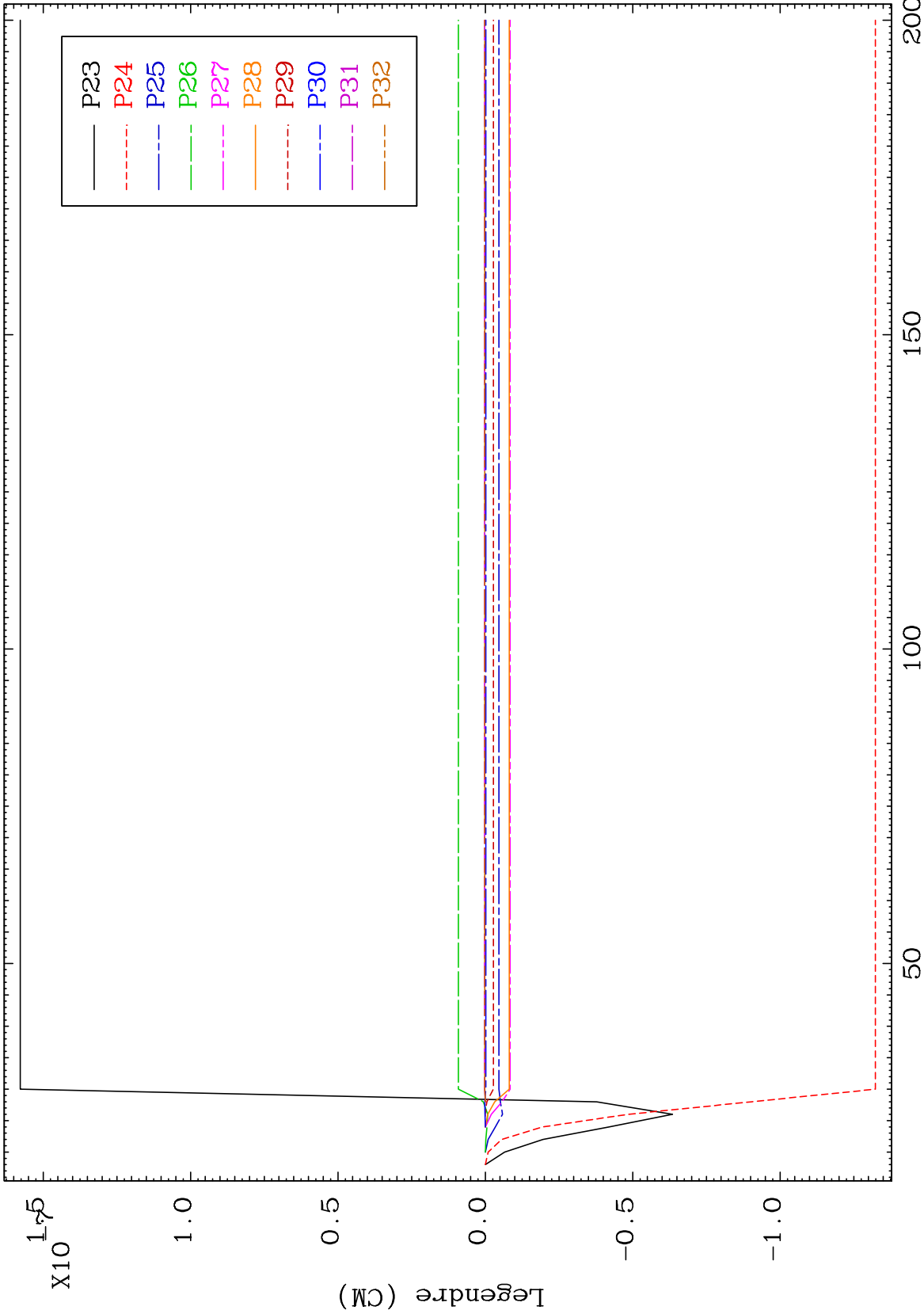
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



96

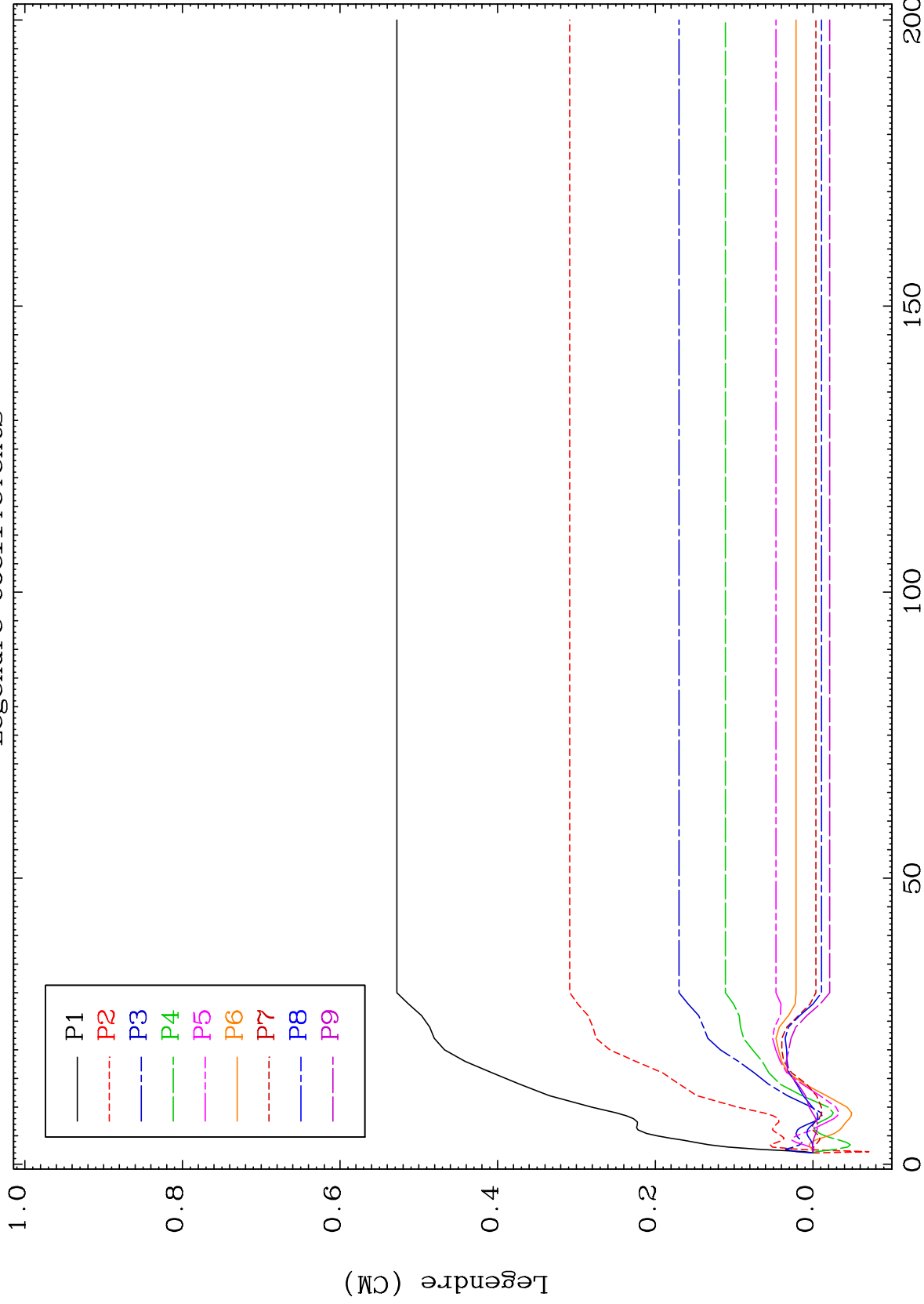
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



97

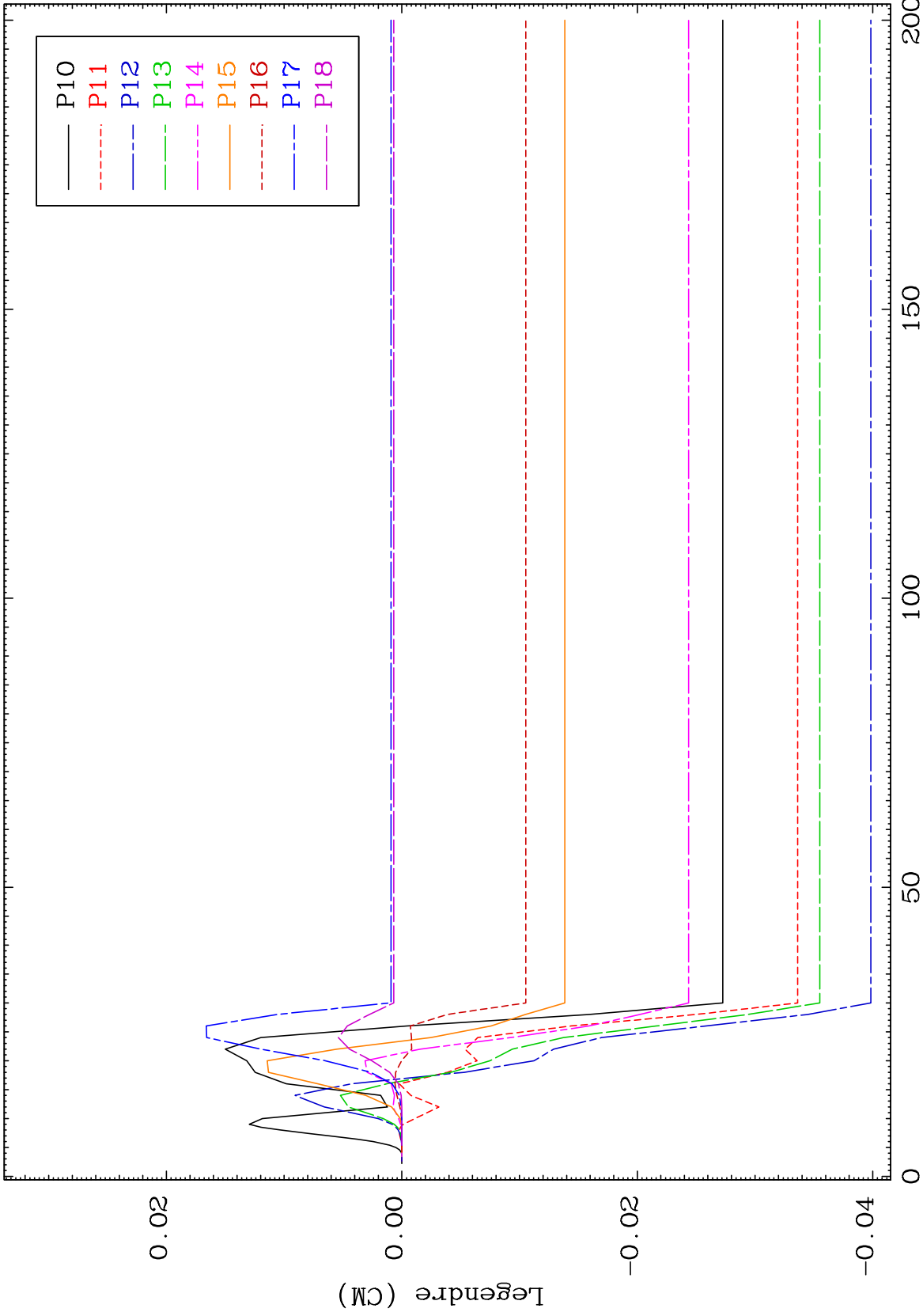
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



98

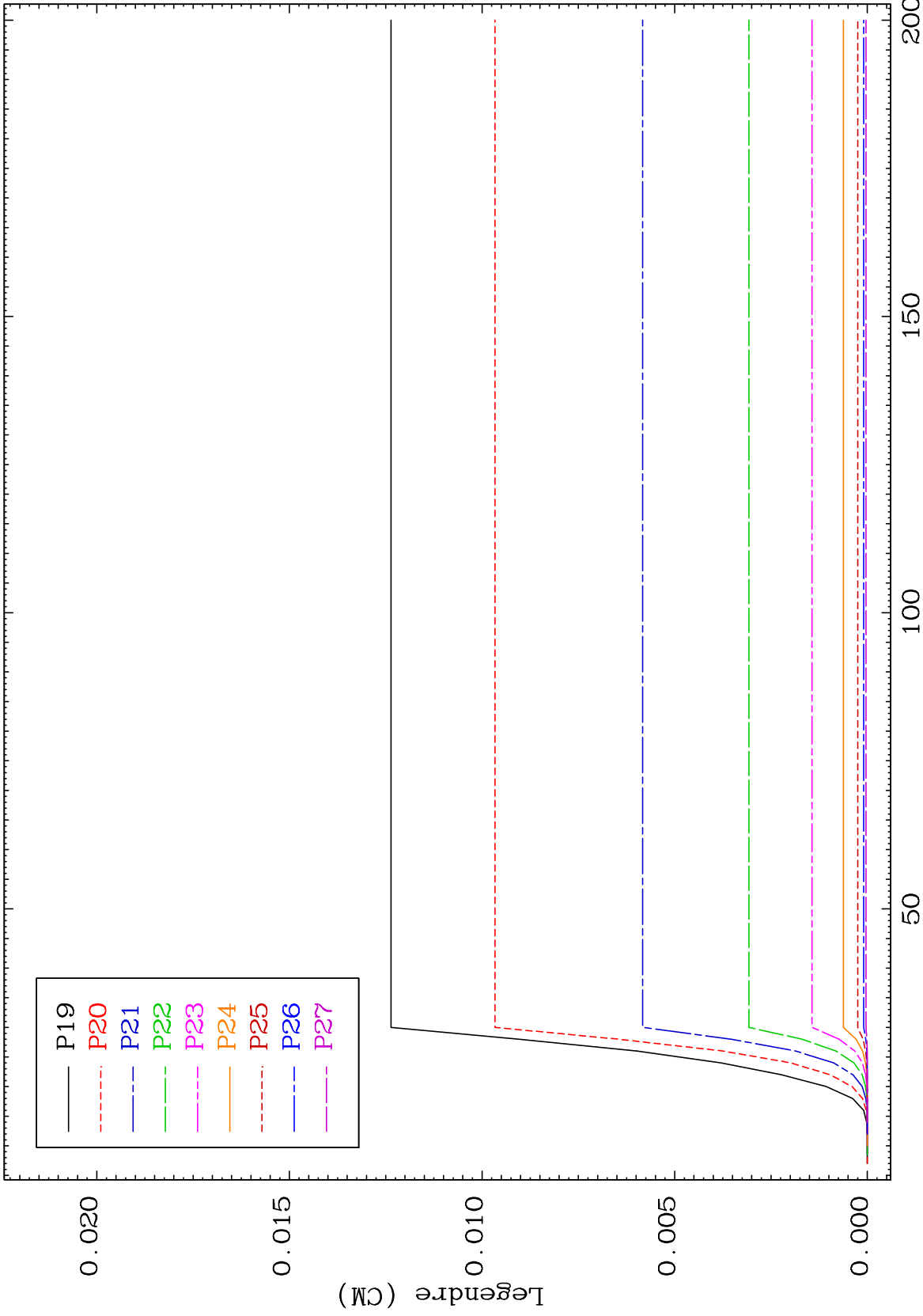
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



99

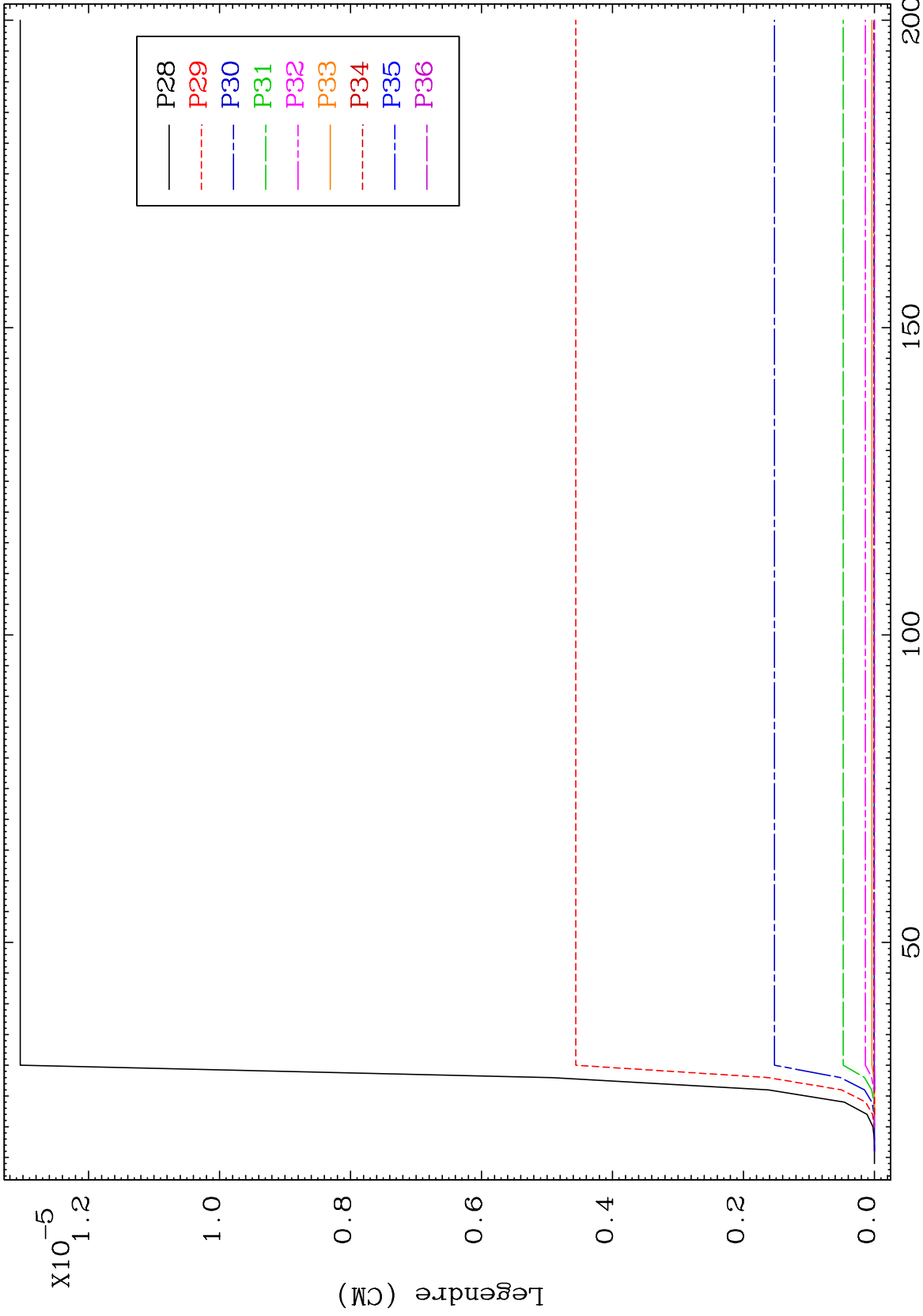
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



73-Ta-159

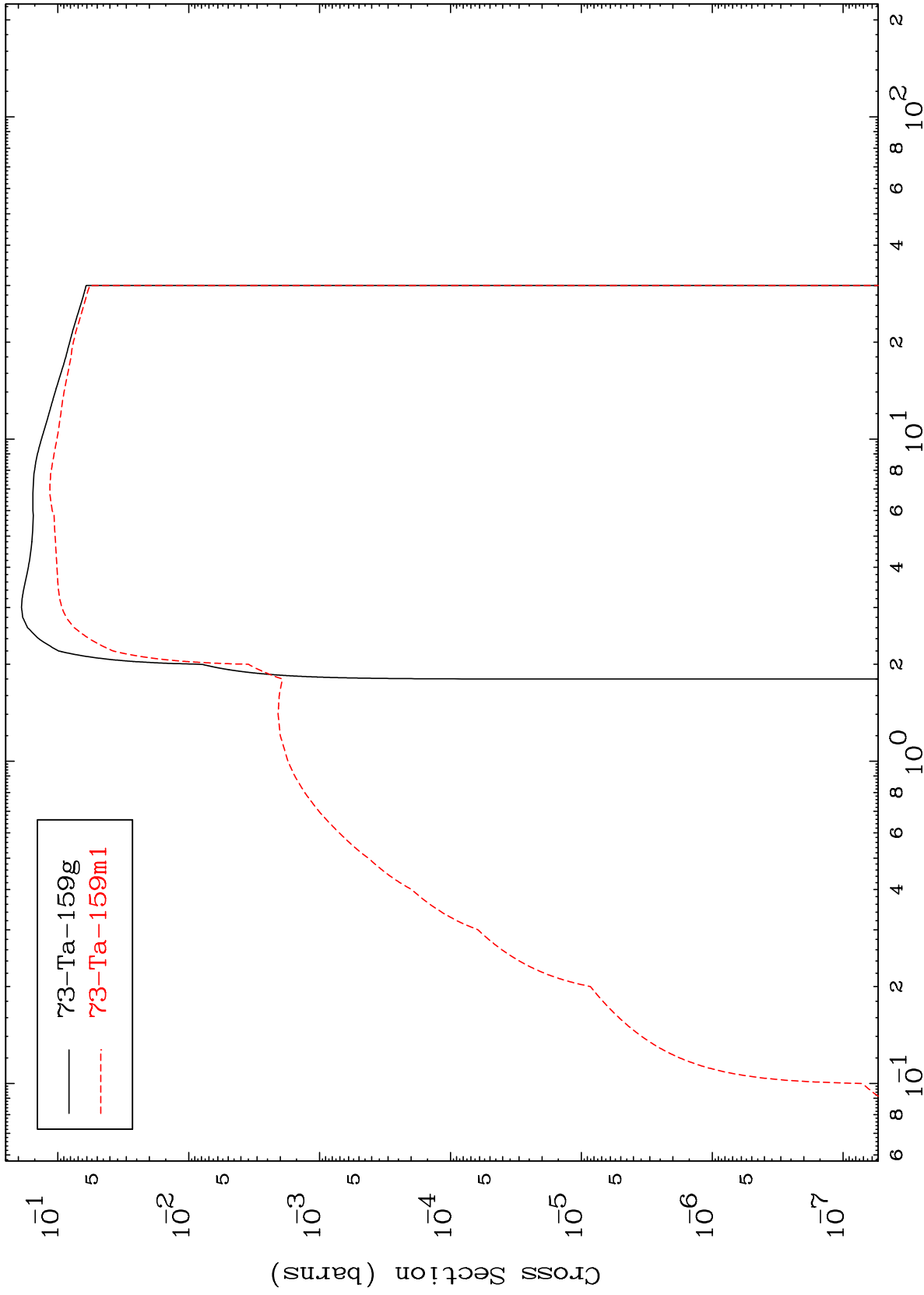
Incident Energy (MeV)

100

MAT 7262

⁷³Ta-159

Radionuclide Production Cross Section



— 73-Ta-159g
- - - 73-Ta-159m1

101

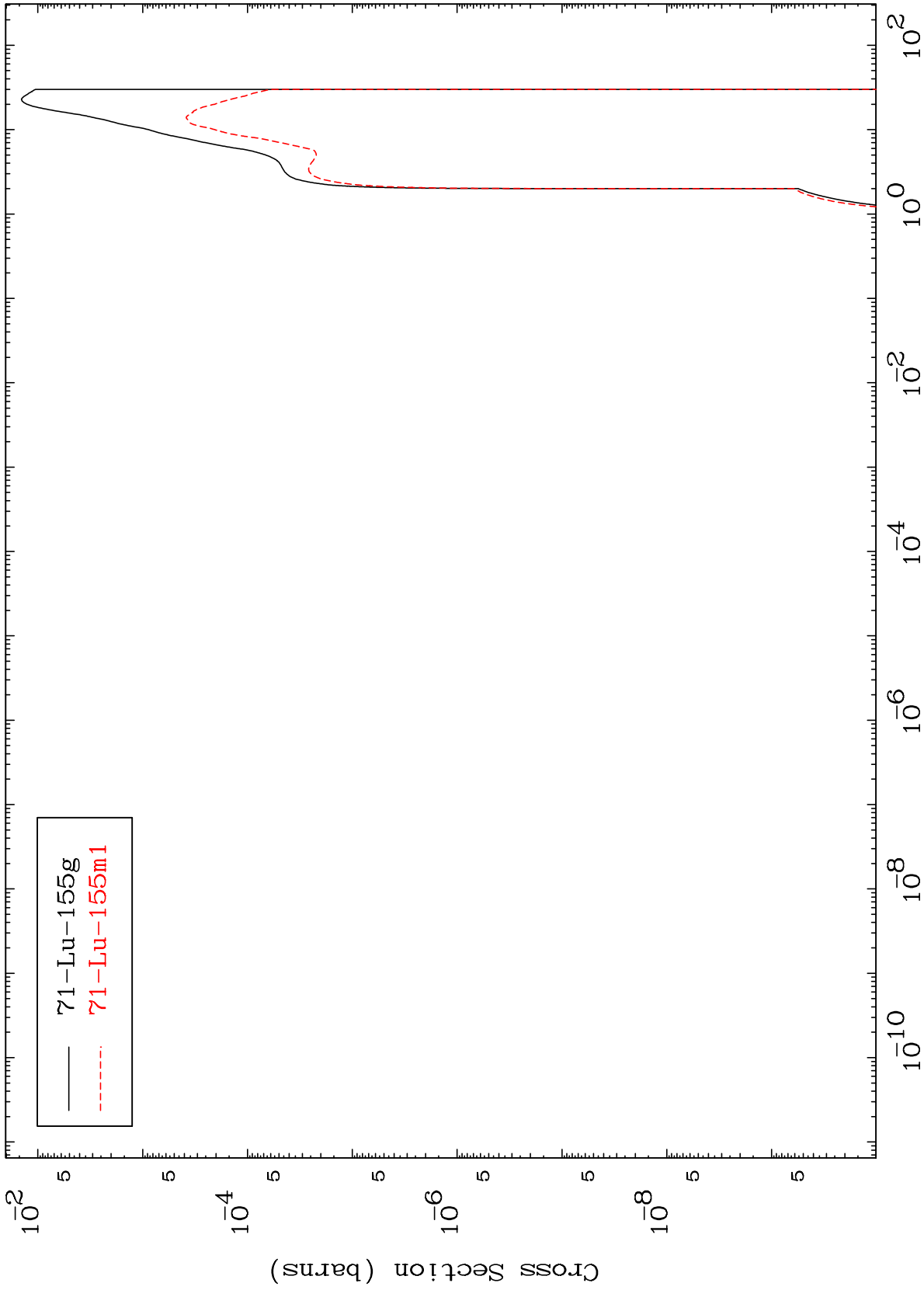
⁷³Ta-159

MAT 7262

(n,n') α

⁷³Ta-159

Radionuclide Production Cross Section



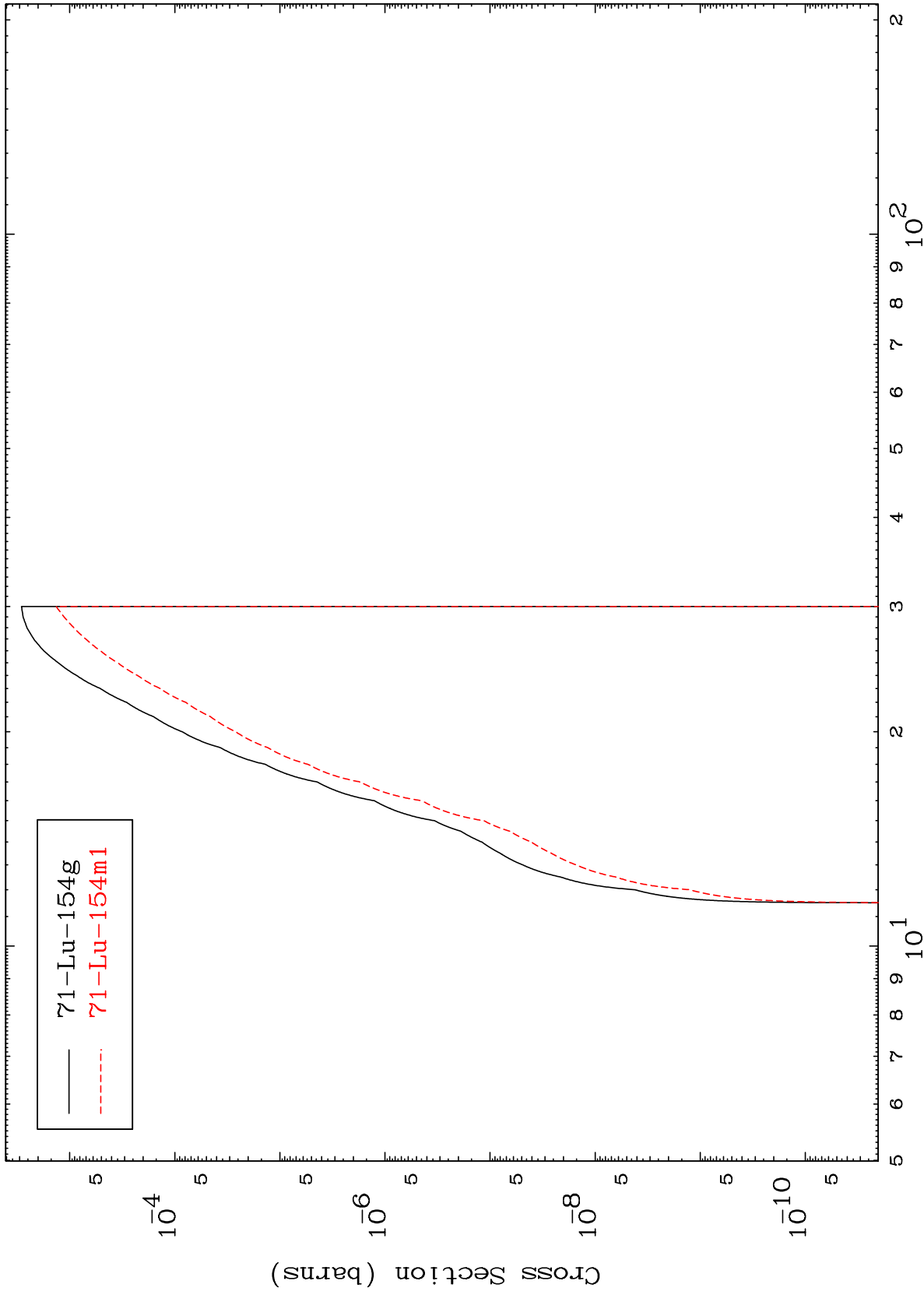
102

MAT 7262

(n,2n) α

73-Ta-159

Radionuclide Production Cross Section



103

Incident Energy (MeV)

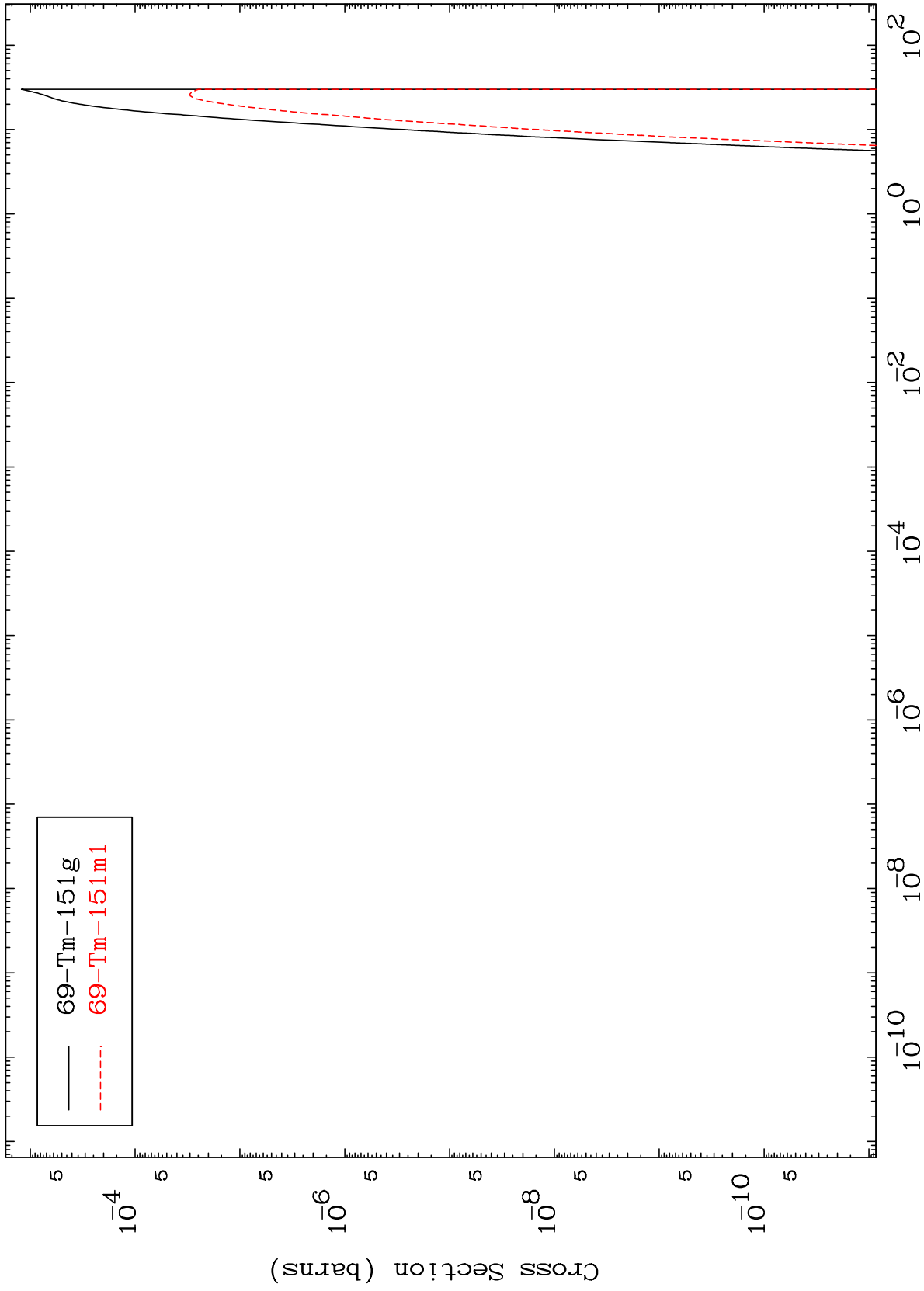
73-Ta-159

MAT 7262

(n,n') 2 α

73-Ta-159

Radionuclide Production Cross Section



104

Incident Energy (MeV)

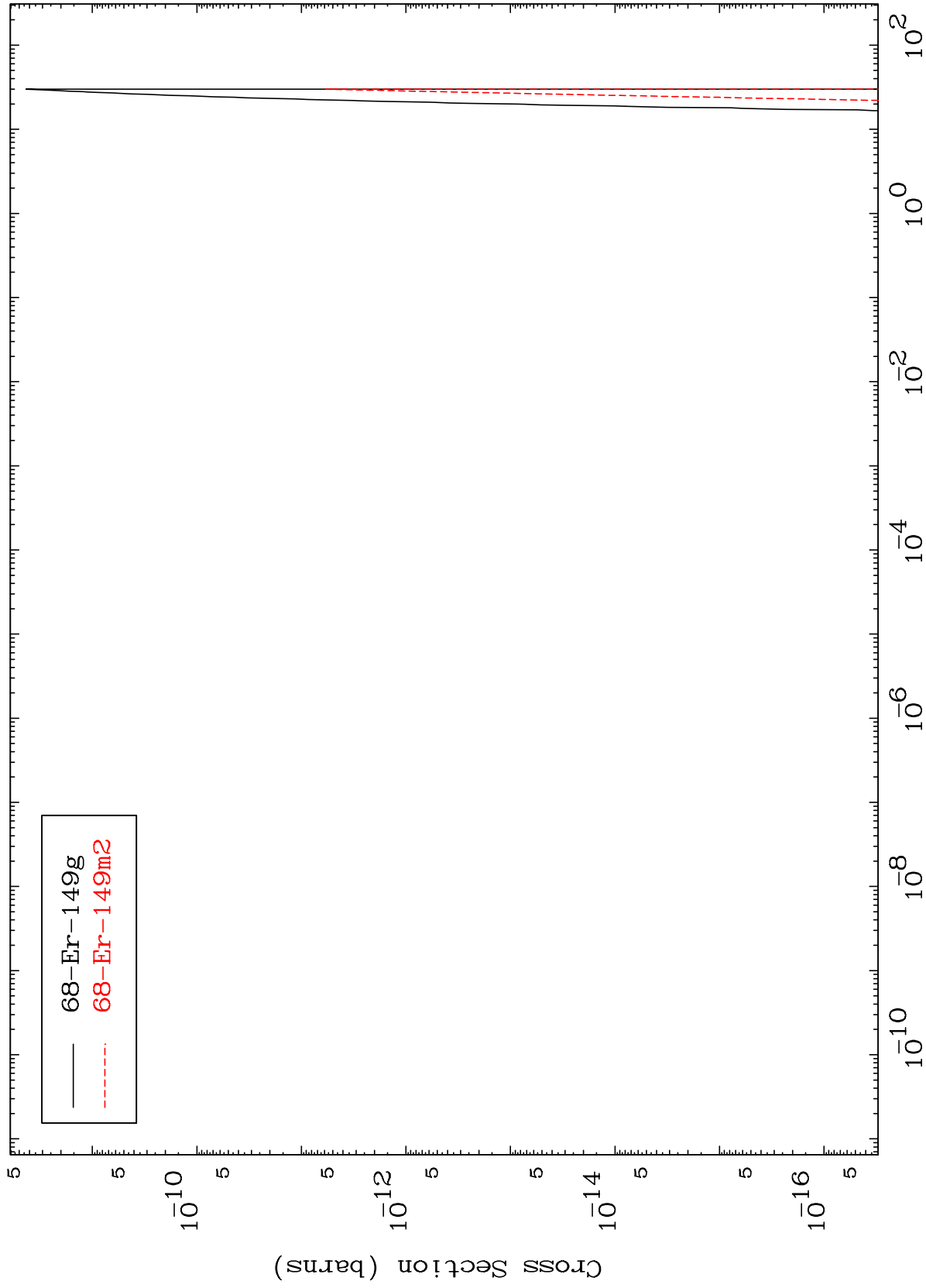
73-Ta-159

MAT 7262

(n, n') d, 2α

73-Ta-159

Radionuclide Production Cross Section



105

Incident Energy (MeV)

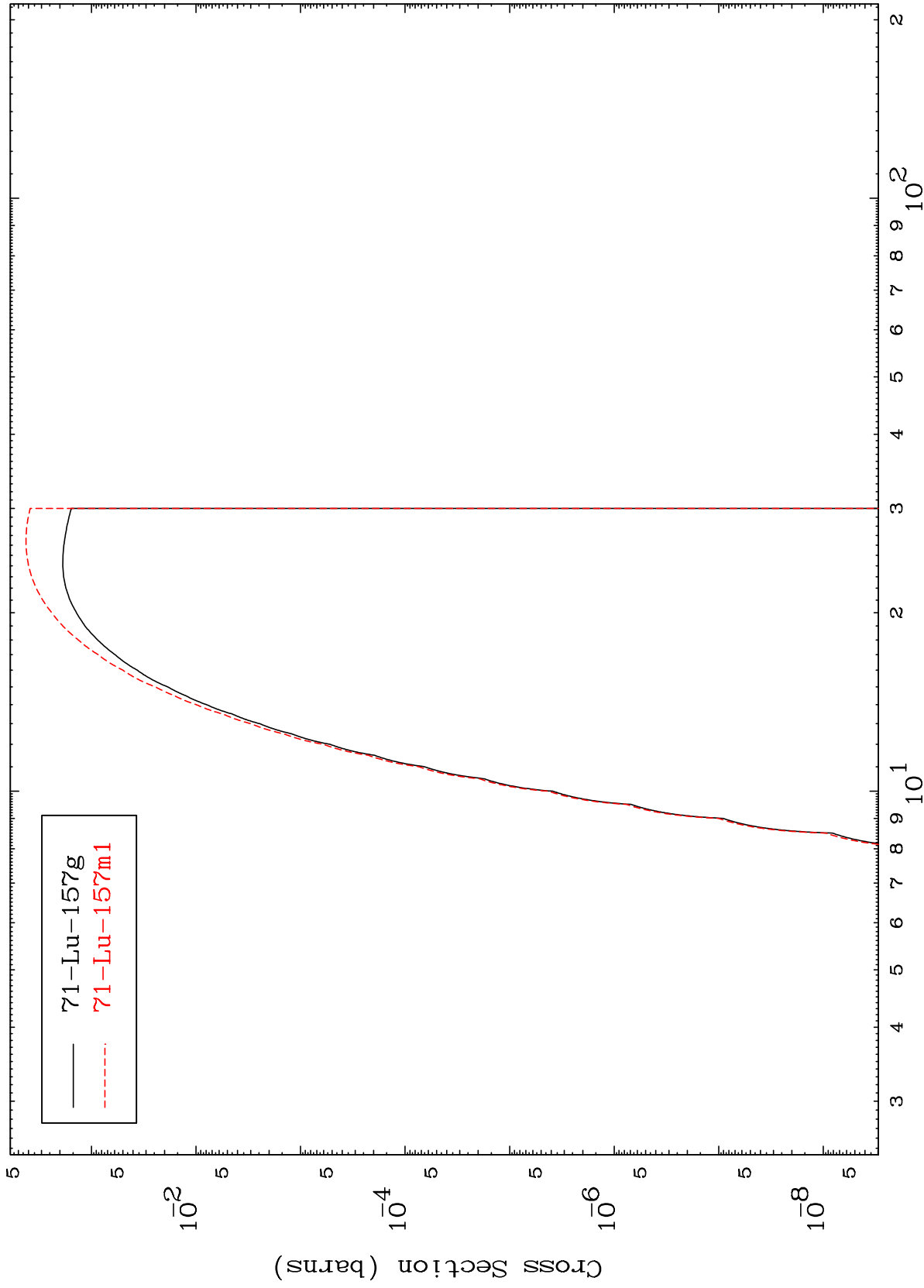
73-Ta-159

MAT 7262

(n,2n) p

73-Ta-159

Radionuclide Production Cross Section



106

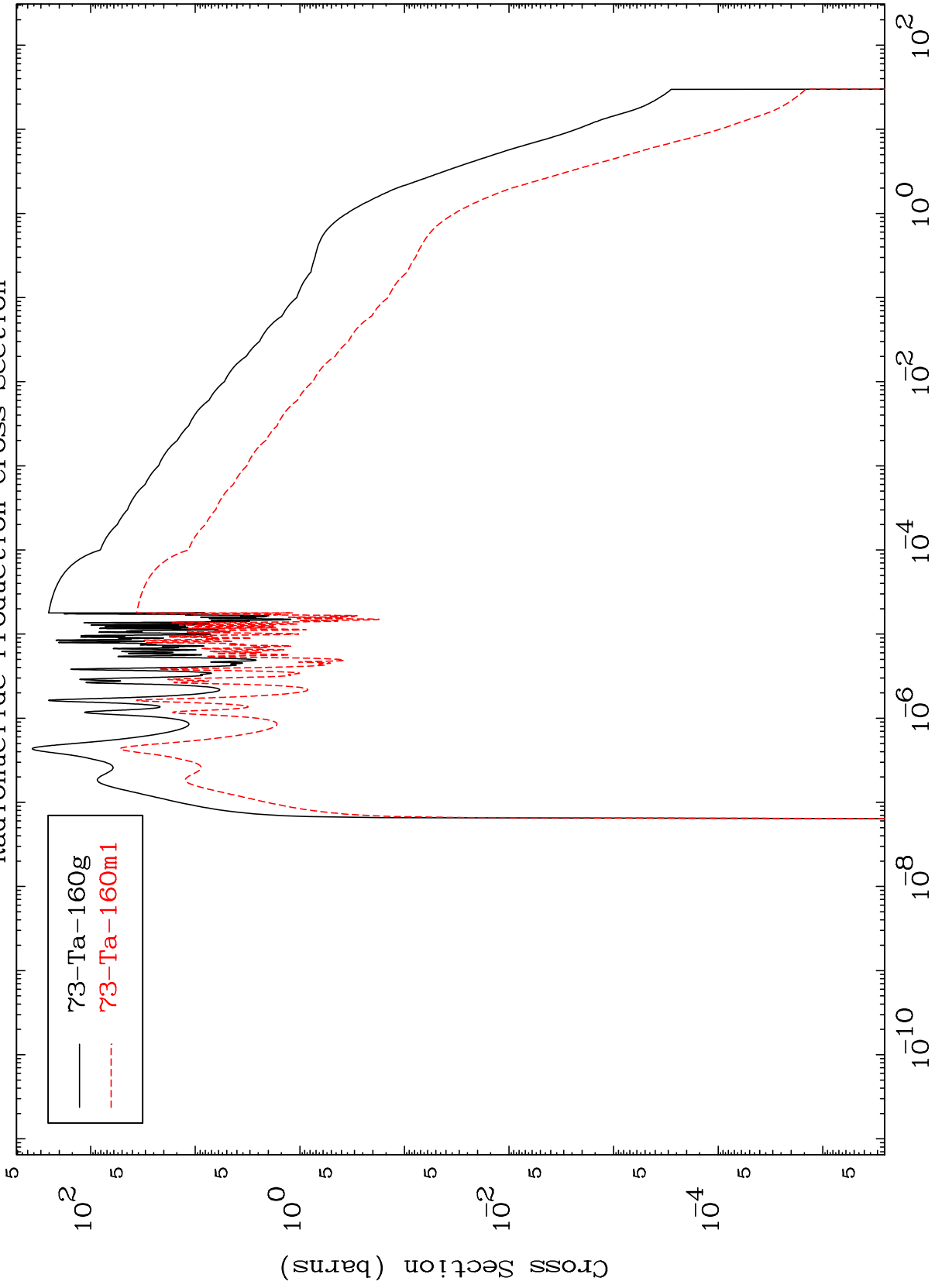
Incident Energy (MeV)

73-Ta-159

MAT 7262

⁷³Ta-159

Radionuclide Production Cross Section (n,γ)



107

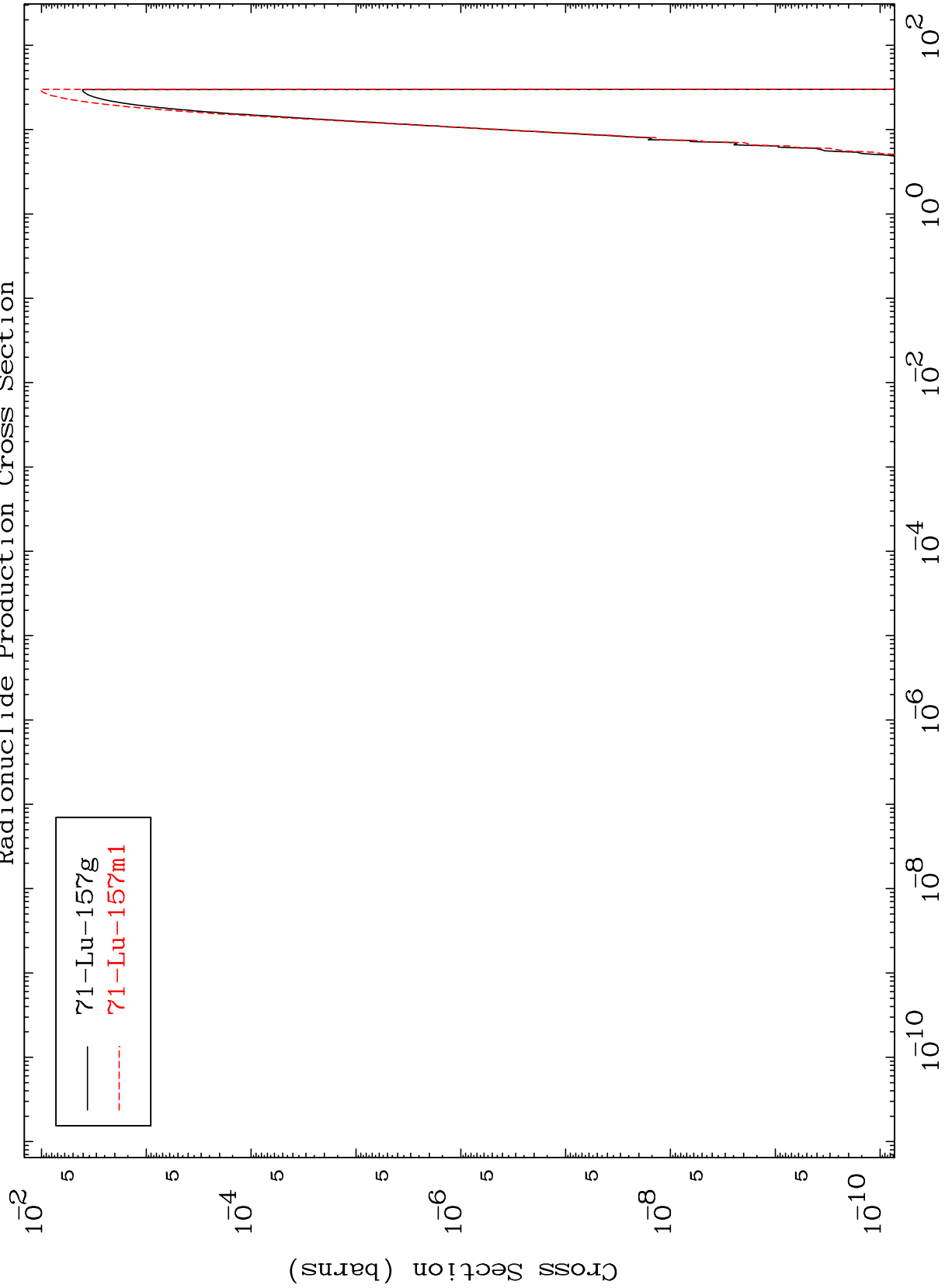
⁷³Ta-159

MAT 7262

(n,He-3)

73-Ta-159

Radionuclide Production Cross Section



71-Lu-157g
71-Lu-157m1

108

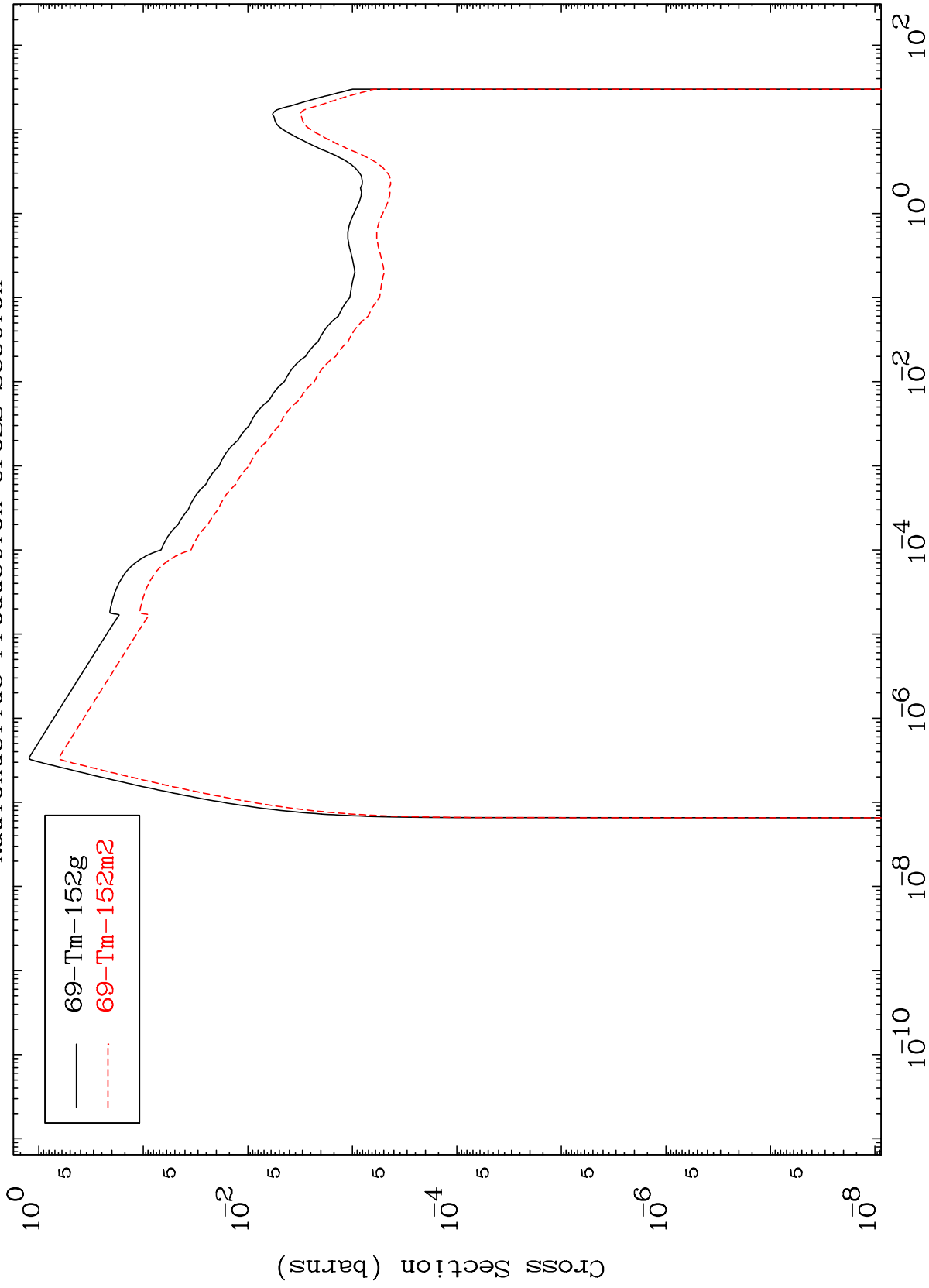
Incident Energy (MeV)

73-Ta-159

MAT 7262

73-Ta-159

Radionuclide Production Cross Section



69-Tm-152g
69-Tm-152m2

109

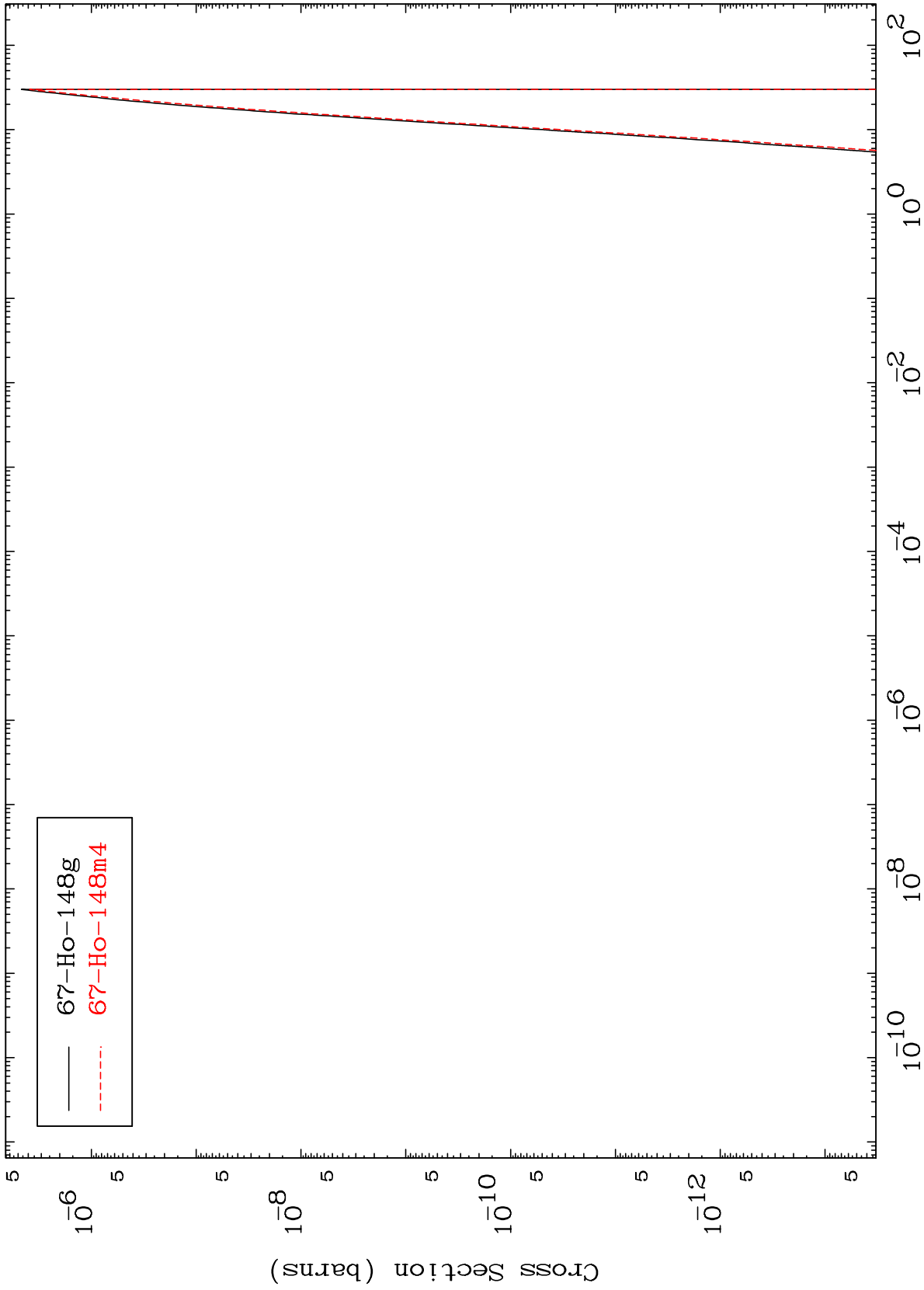
73-Ta-159

MAT 7262

(n,3α)

73-Ta-159

Radionuclide Production Cross Section



110

Incident Energy (MeV)

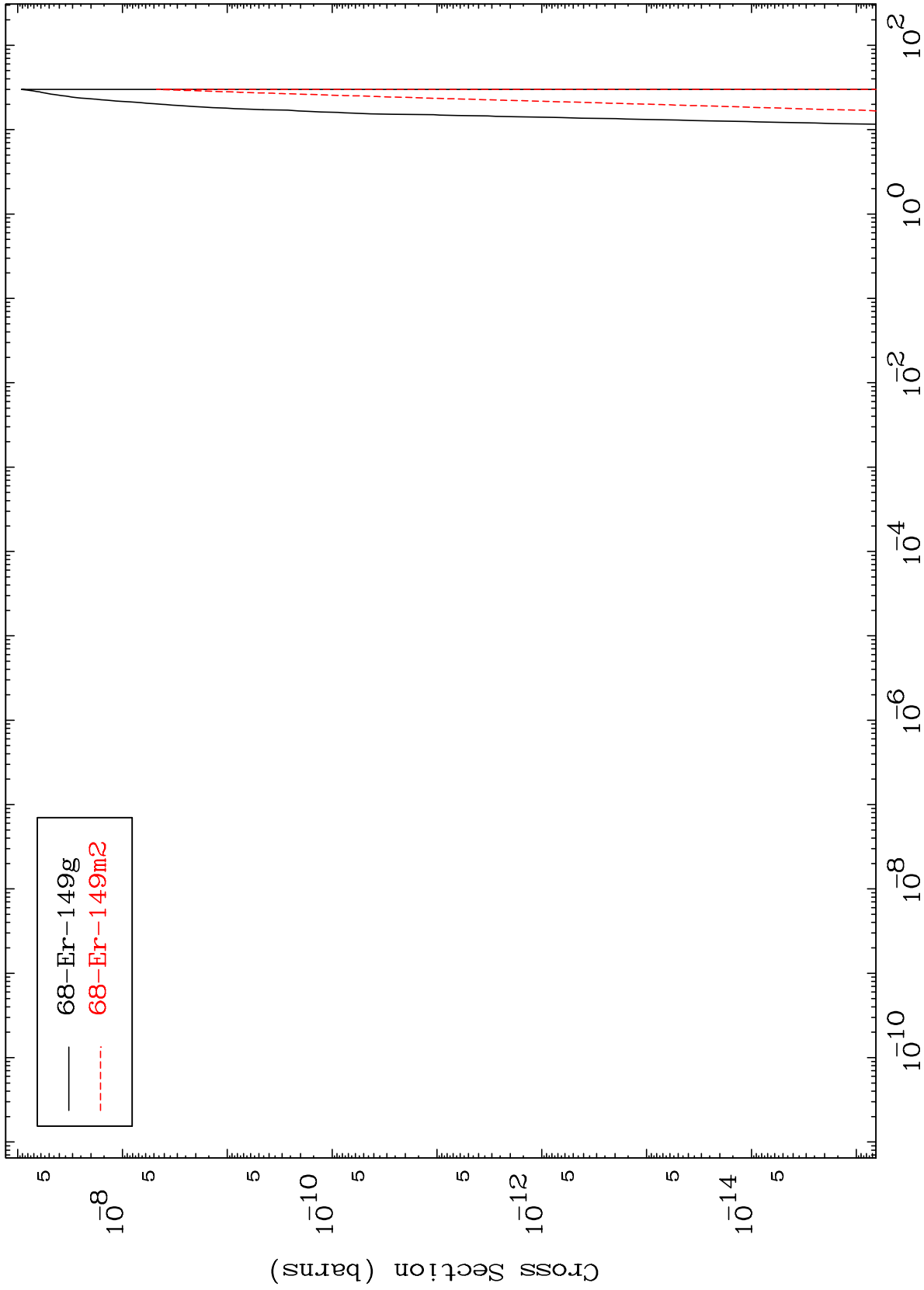
73-Ta-159

MAT 7262

(n, t) 2α

$^{73}\text{Ta-159}$

Radionuclide Production Cross Section



111

Incident Energy (MeV)

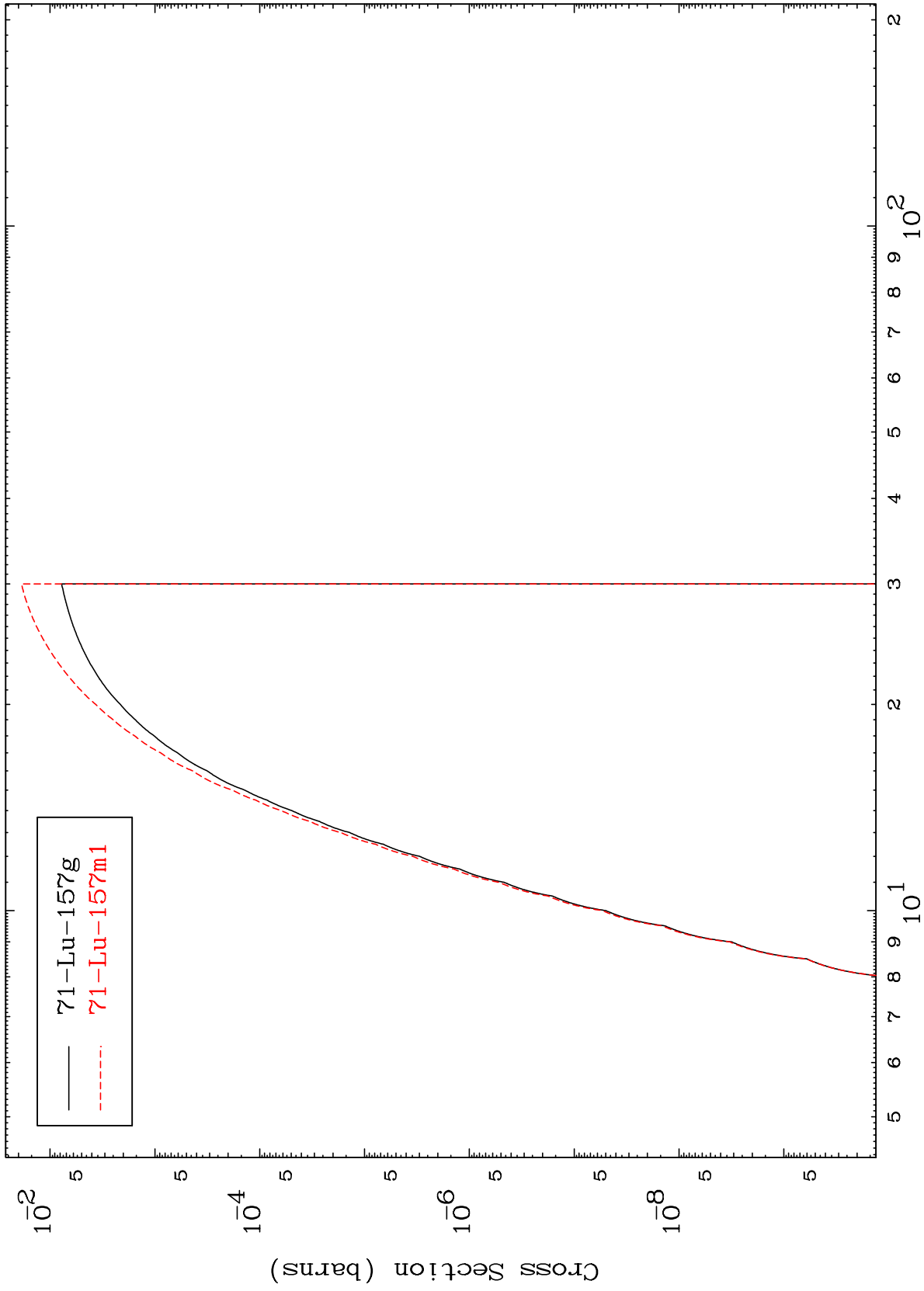
$^{73}\text{Ta-159}$

MAT 7262

(n,p) d

73-Ta-159

Radionuclide Production Cross Section



112

Incident Energy (MeV)

73-Ta-159