

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

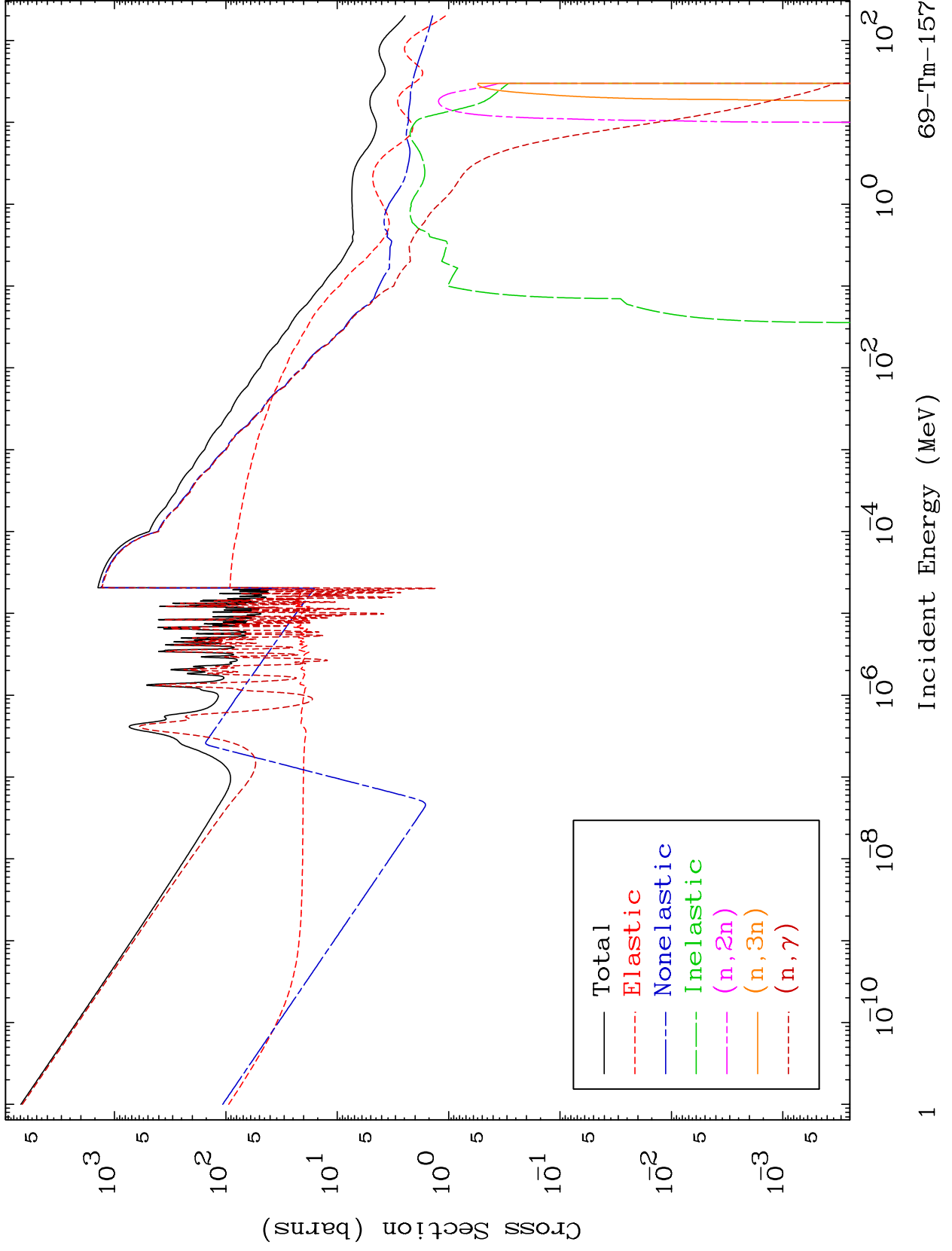
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6889

Neutron Major
293 Kelvin Cross Sections

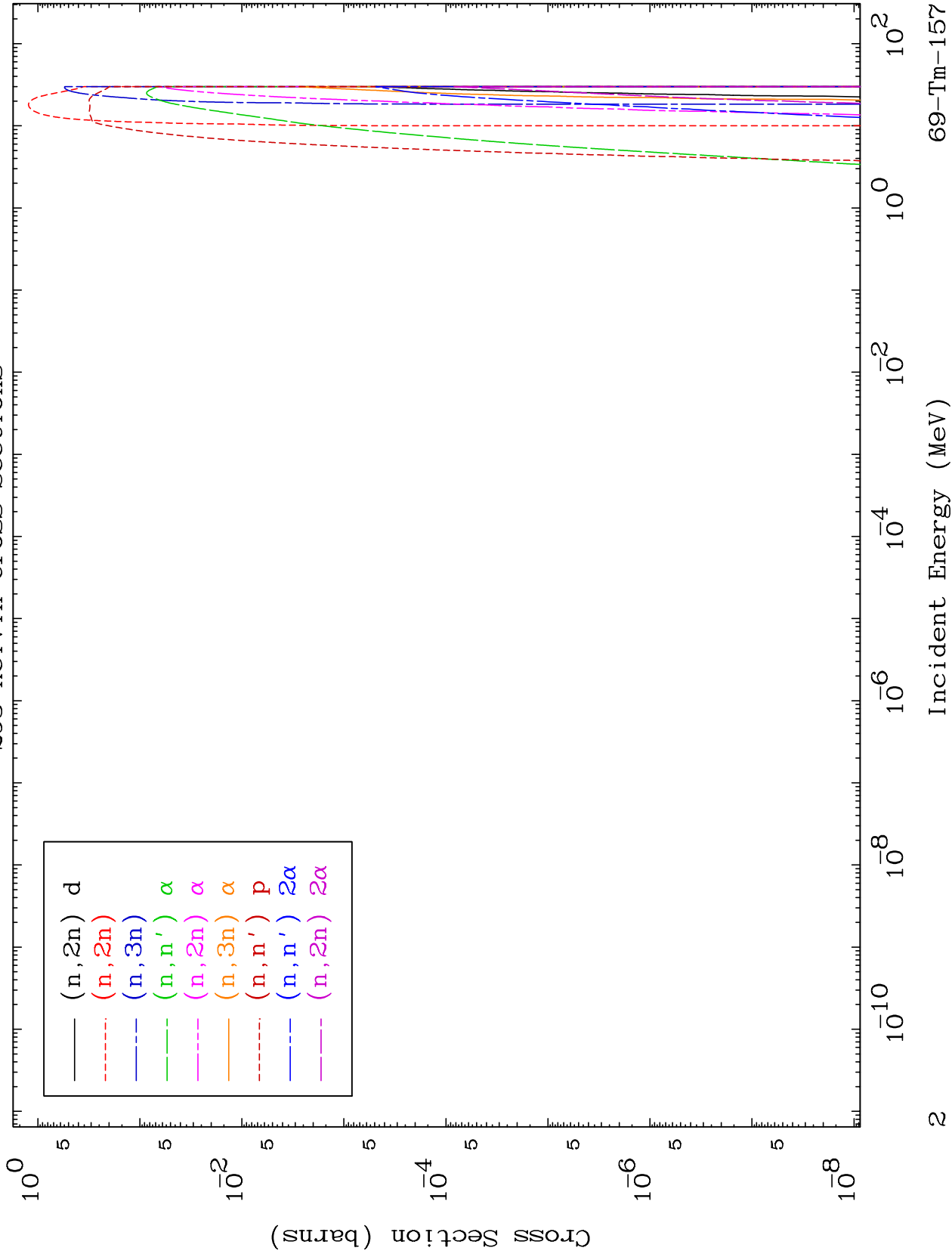
69-Tm-157

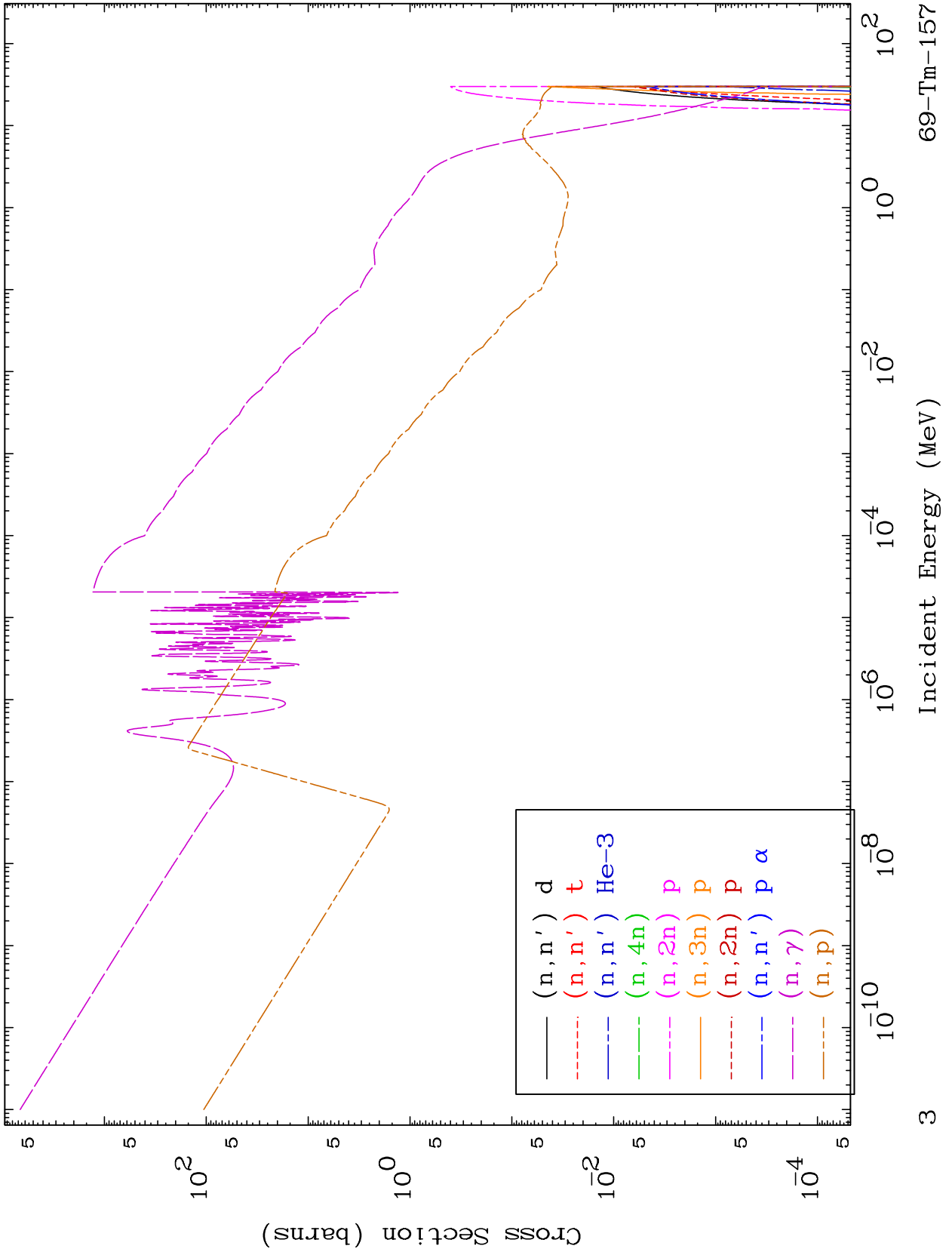


MAT 6889

Neutron Absorption
293 Kelvin Cross Sections

69-Tm-157

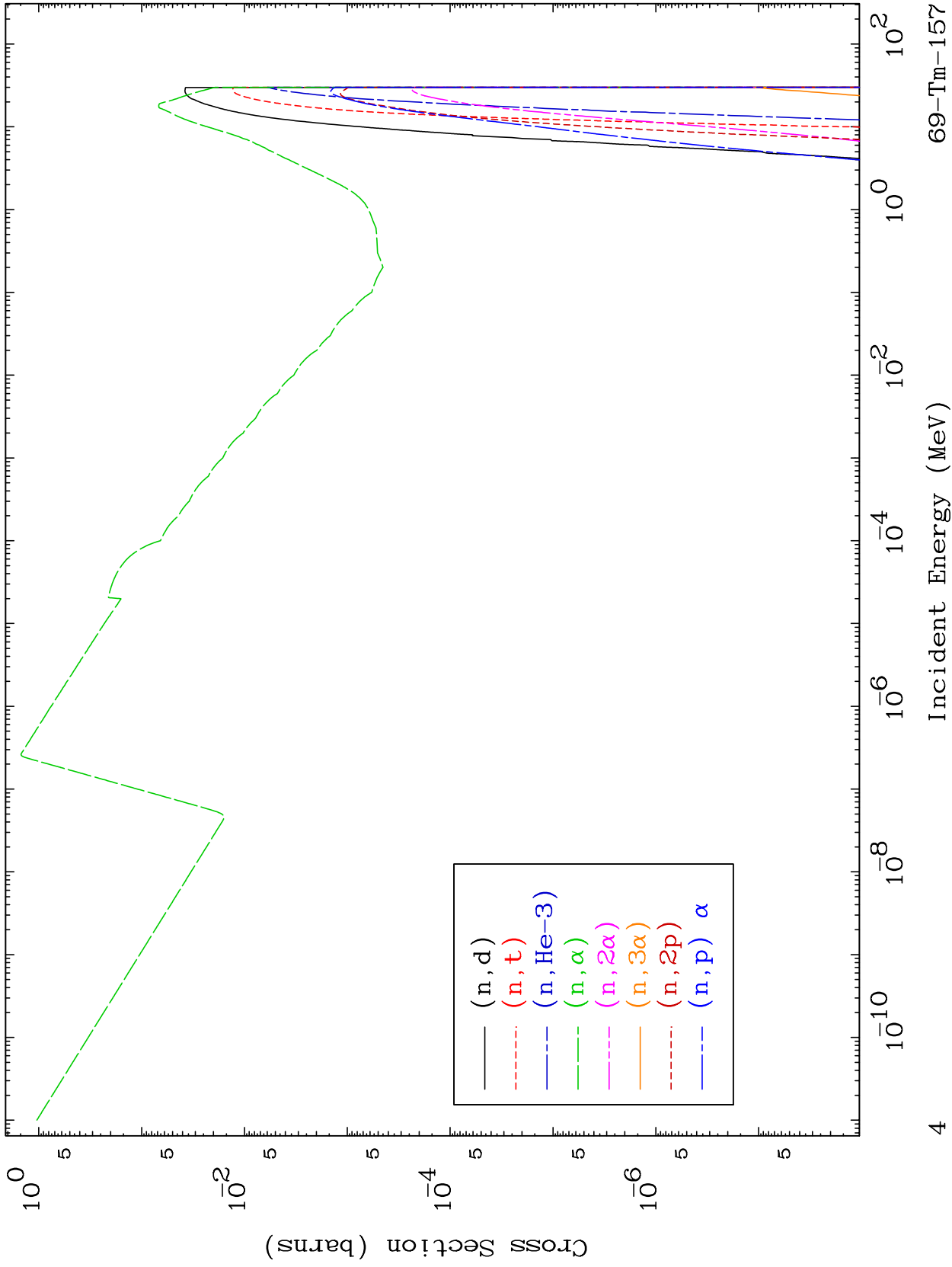


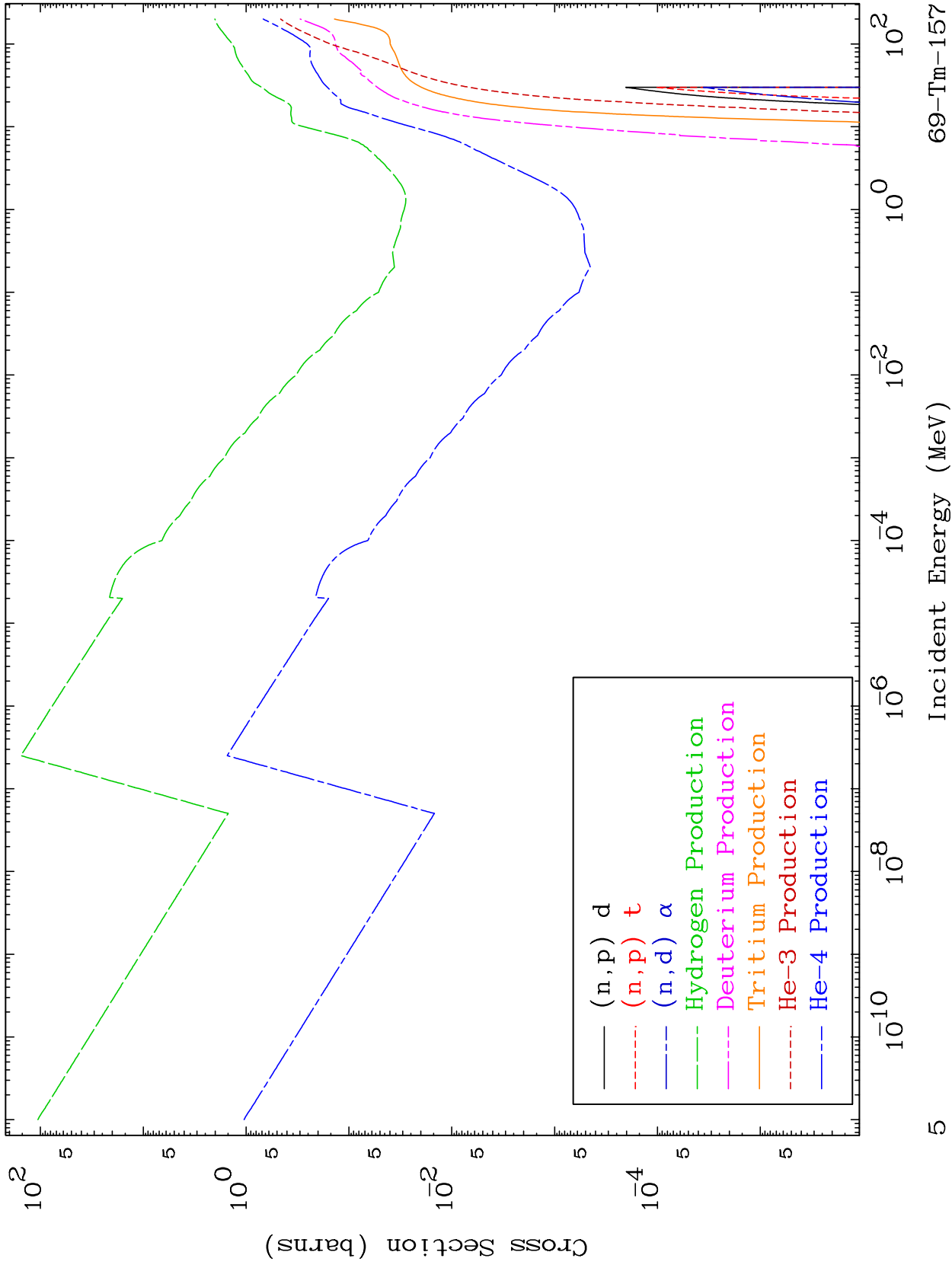


MAT 6889

Neutron Absorption
293 Kelvin Cross Sections

69-Tm-157

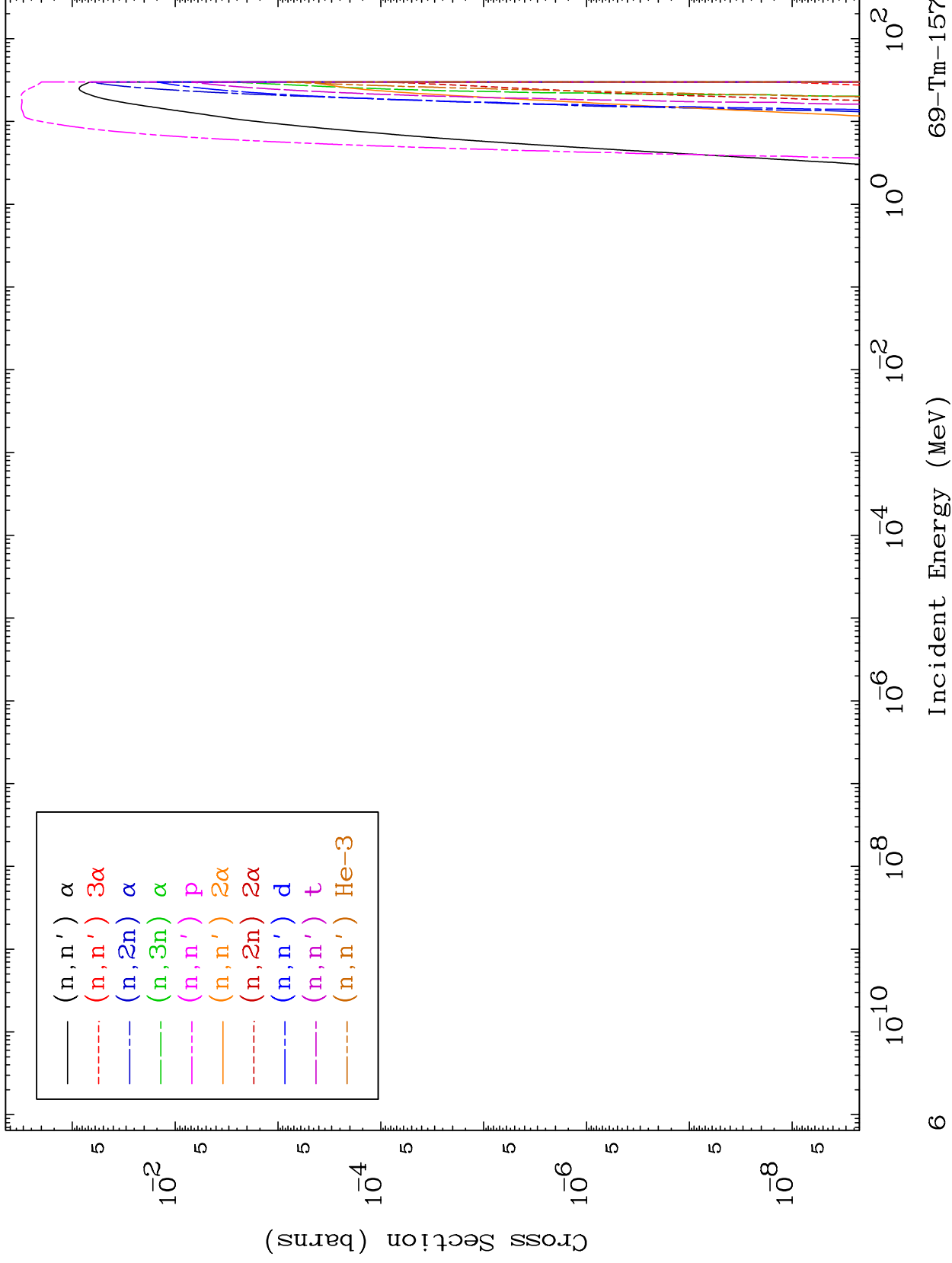




MAT 6889

Charged Particle
293 Kelvin Cross Sections

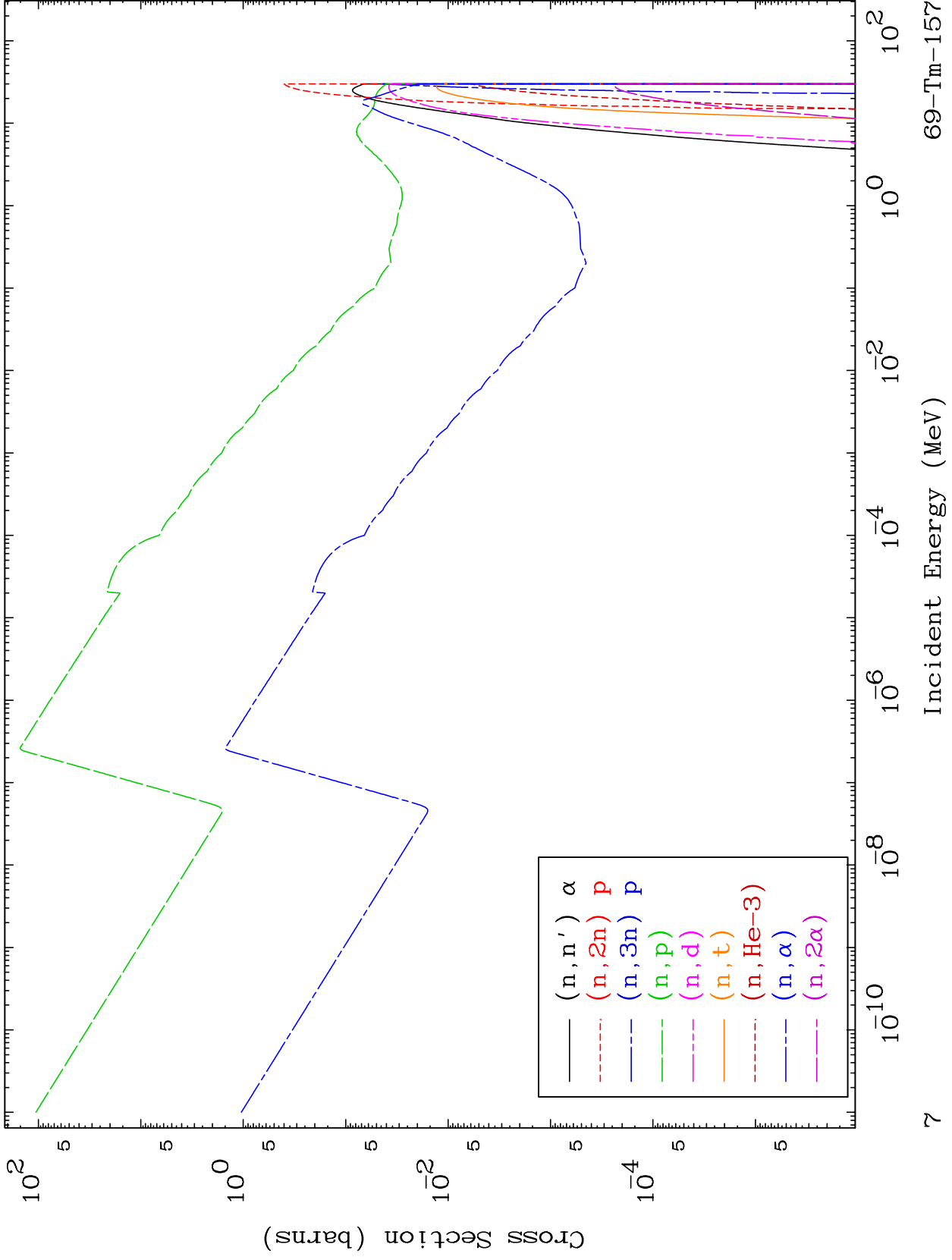
69-Tm-157



MAT 6889

Charged Particle
293 Kelvin Cross Sections

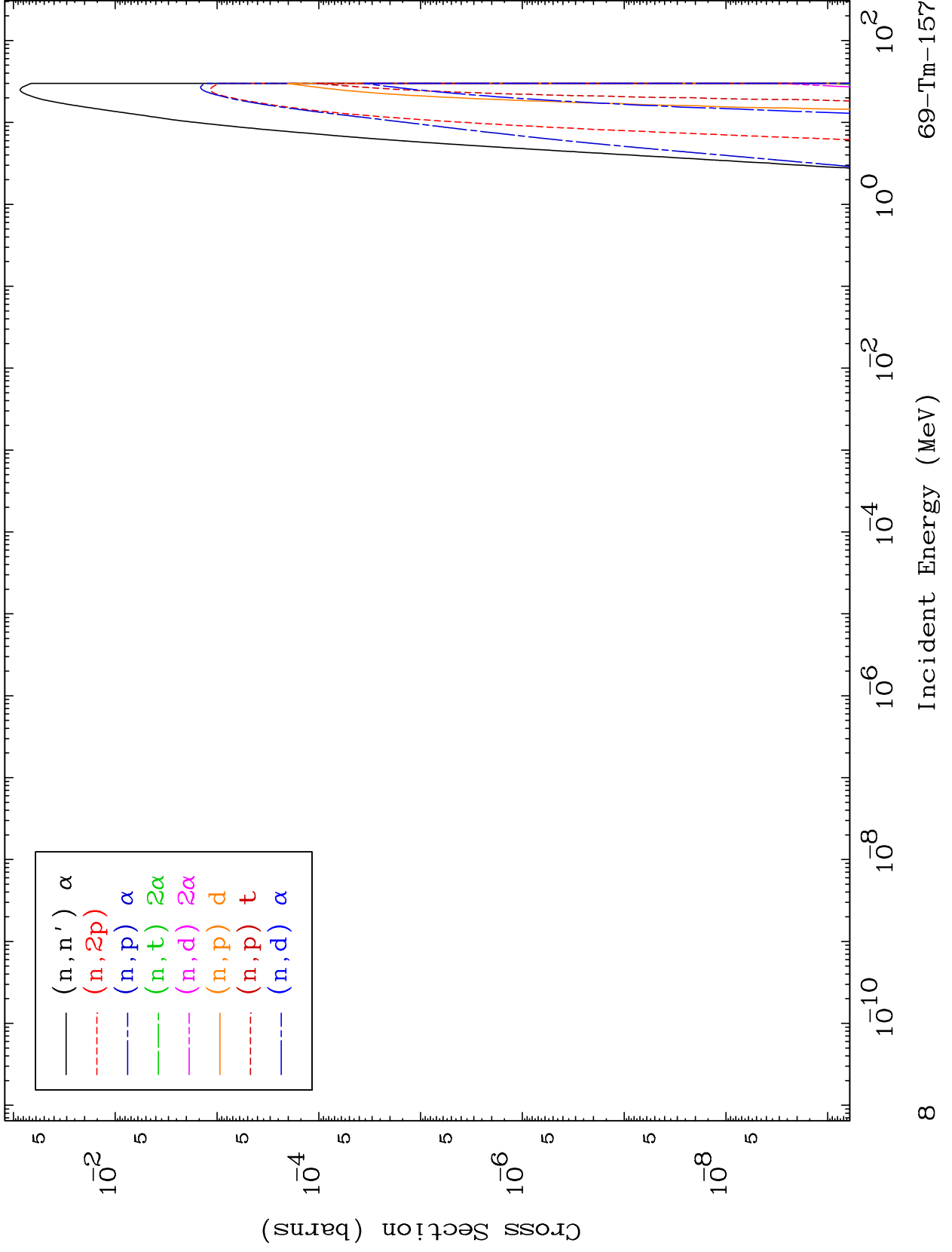
69-Tm-157



MAT 6889

Charged Particle
293 Kelvin Cross Sections

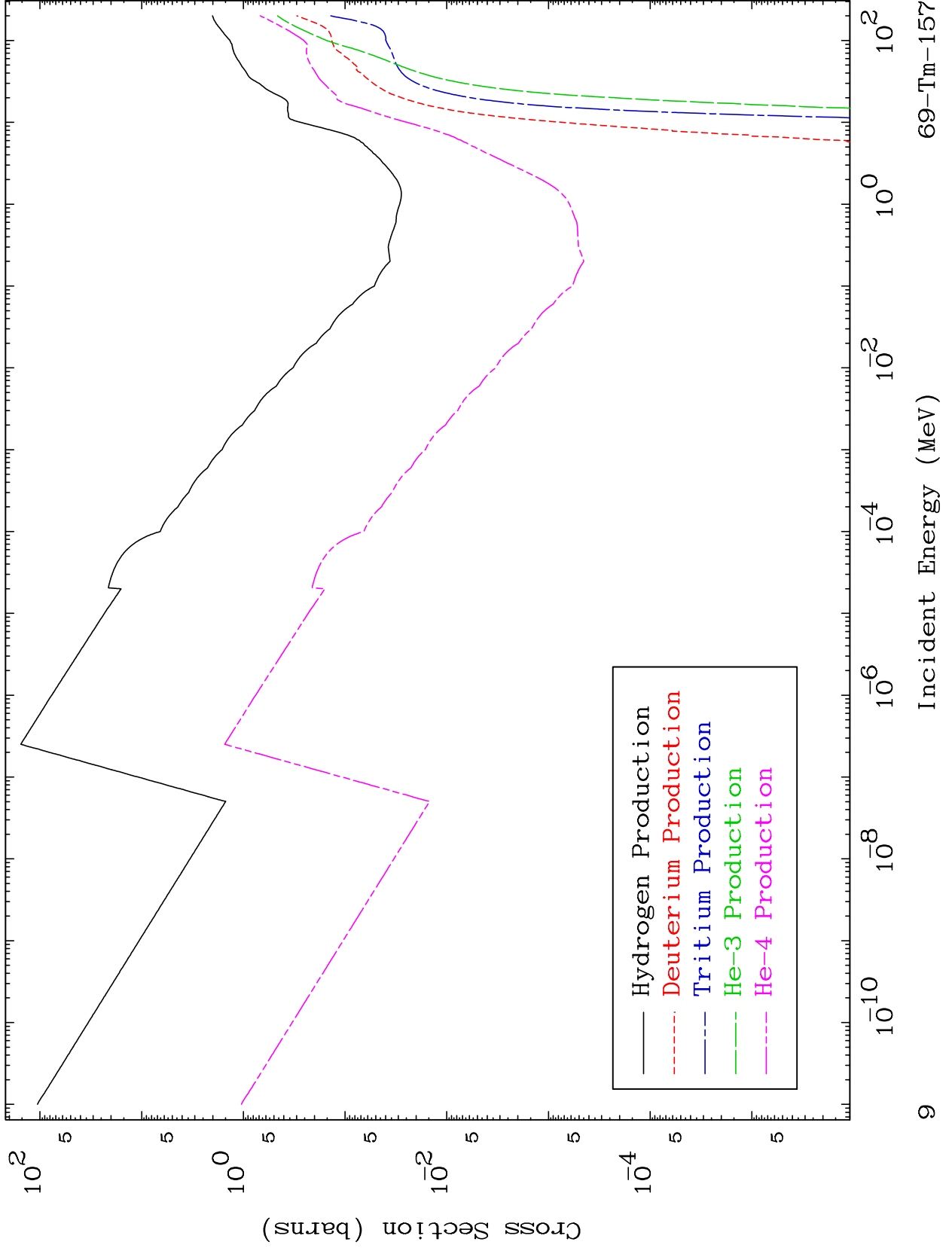
69-Tm-157



MAT 6889

Particle Production
293 Kelvin Cross Sections

69-Tm-157

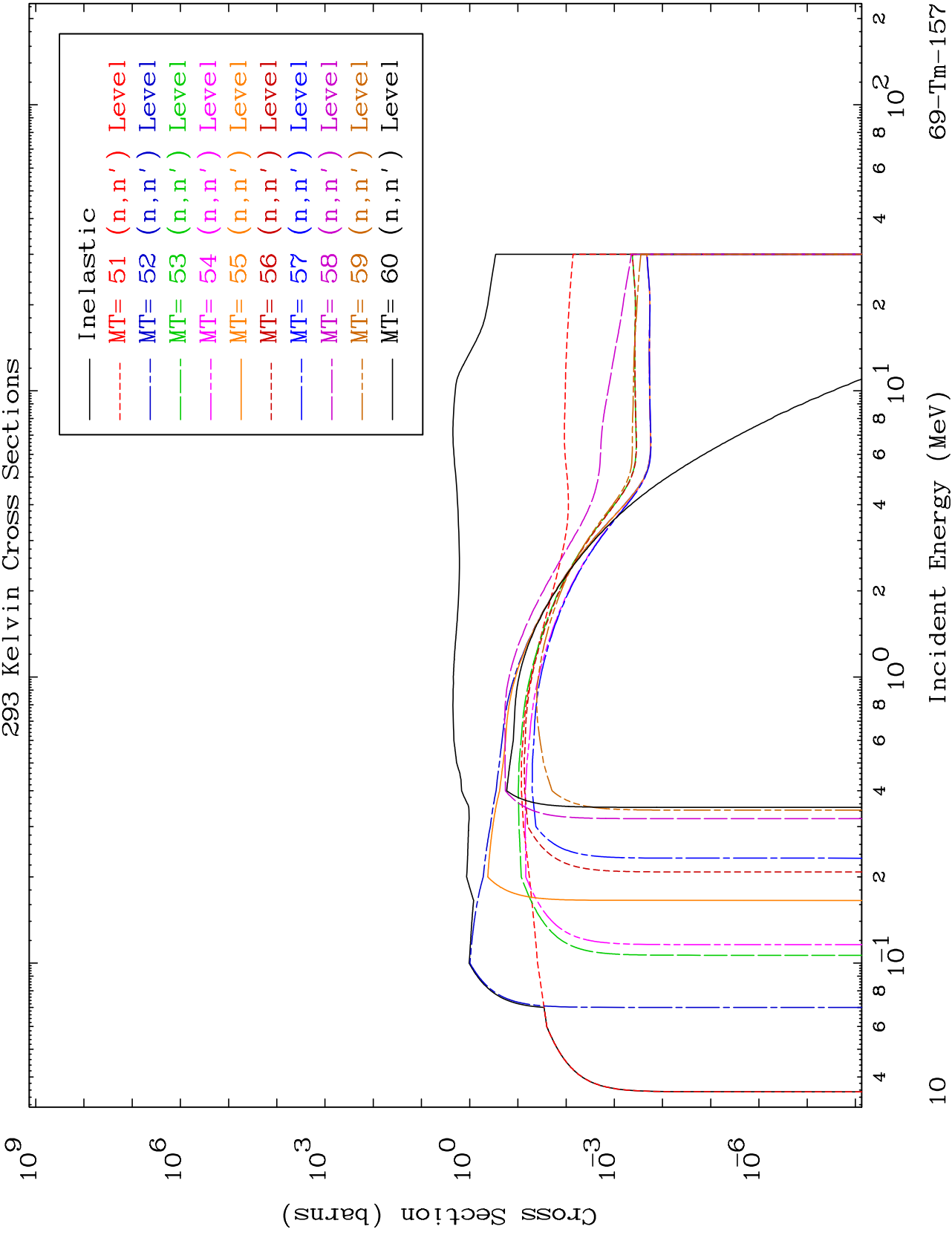


MAT 6889

(n,n') Levels

293 Kelvin Cross Sections

69-Tm-157



10

Incident Energy (MeV)

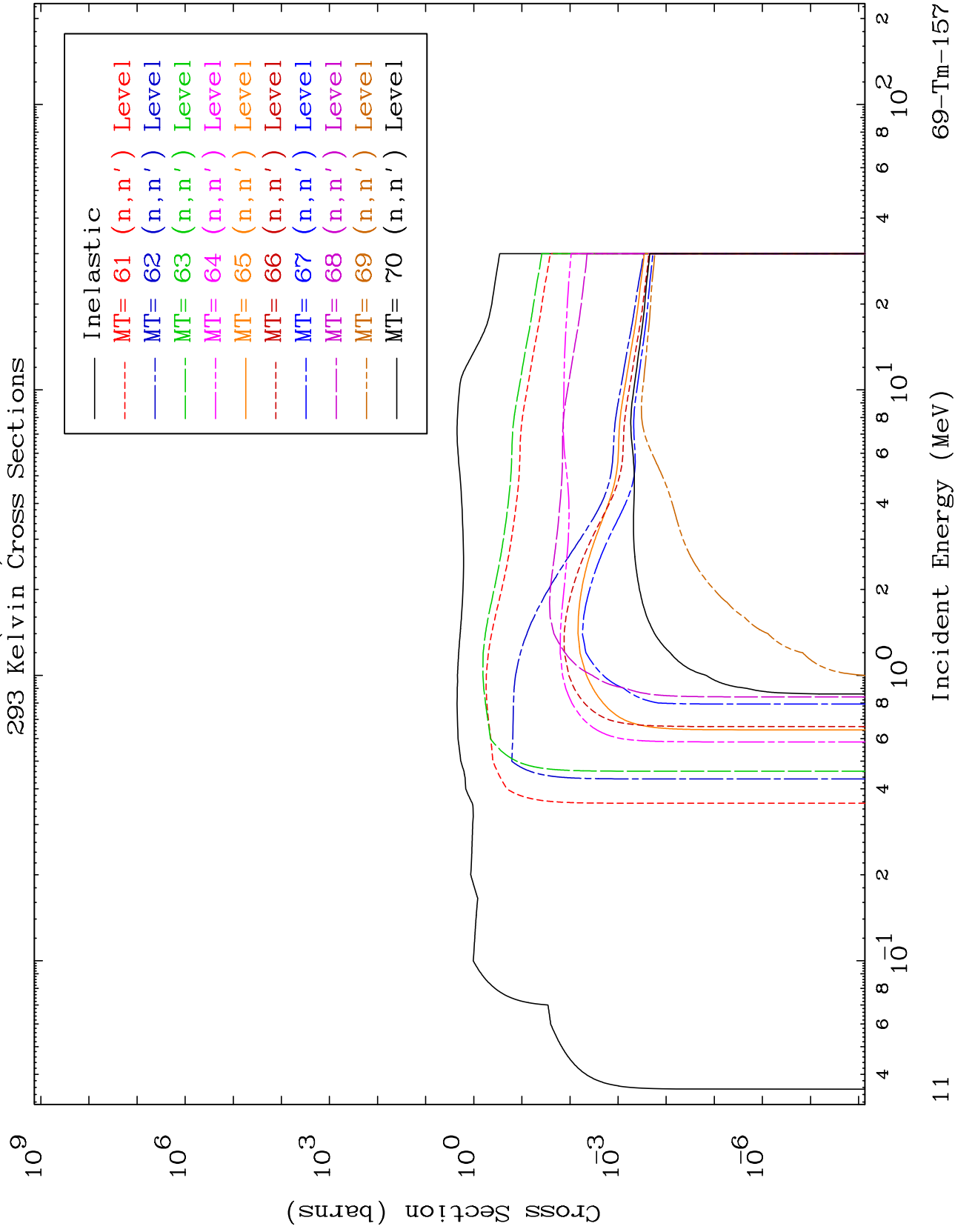
69-Tm-157

MAT 6889

(n,n') Levels

69-Tm-157

293 Kelvin Cross Sections

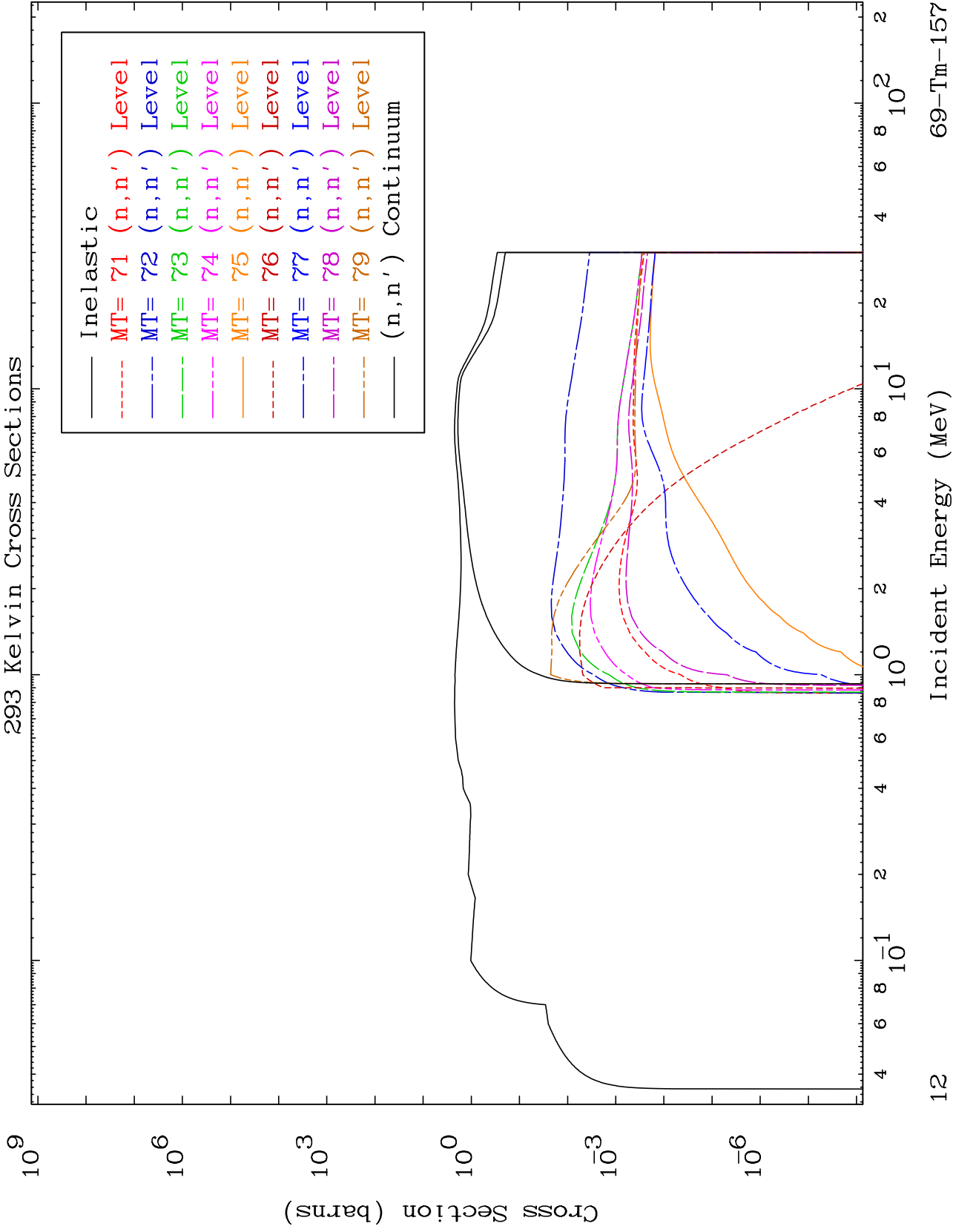


MAT 6889

(n,n') Levels

293 Kelvin Cross Sections

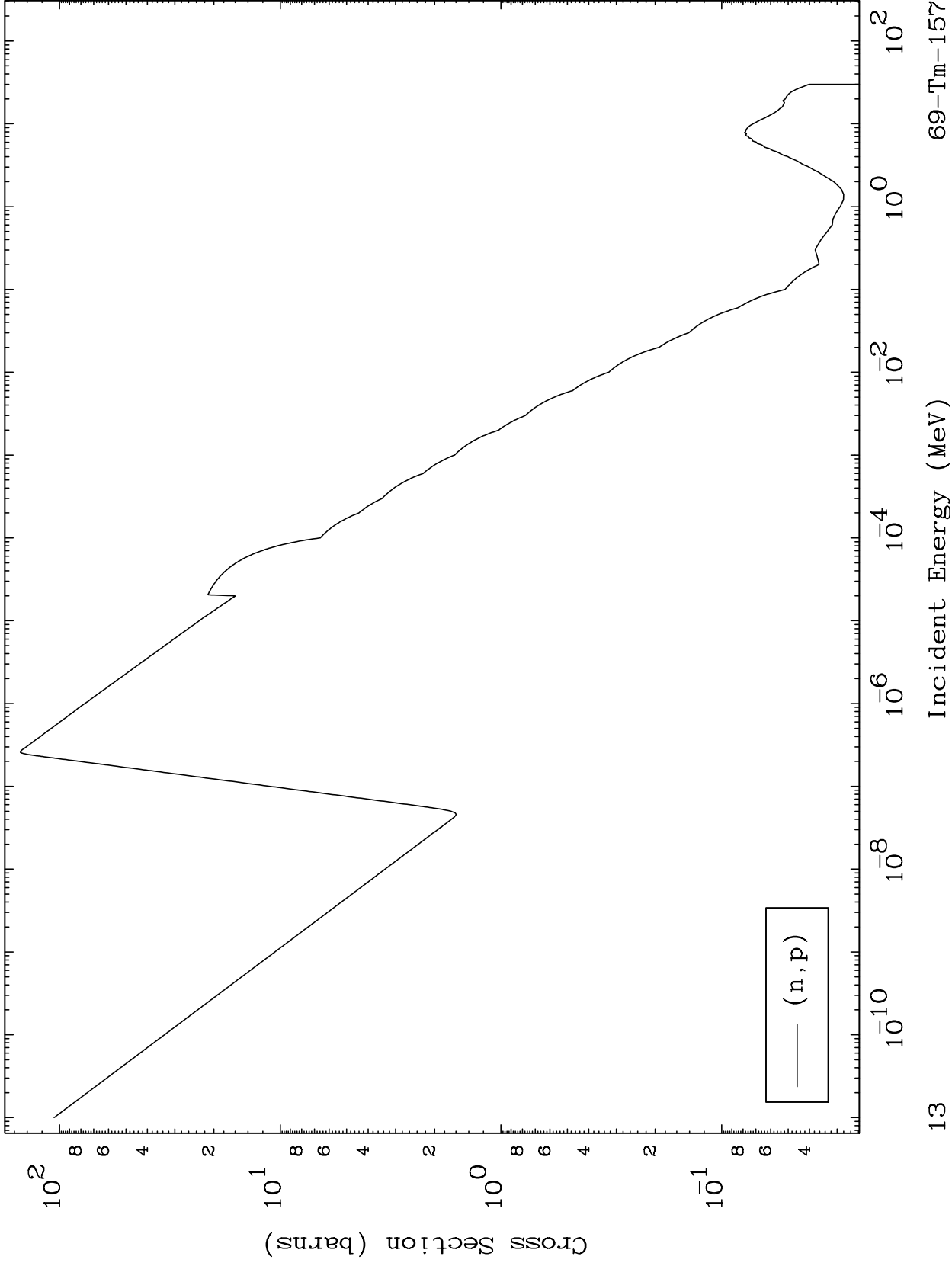
69-Tm-157



MAT 6889

(n,p) Levels
293 Kelvin Cross Sections

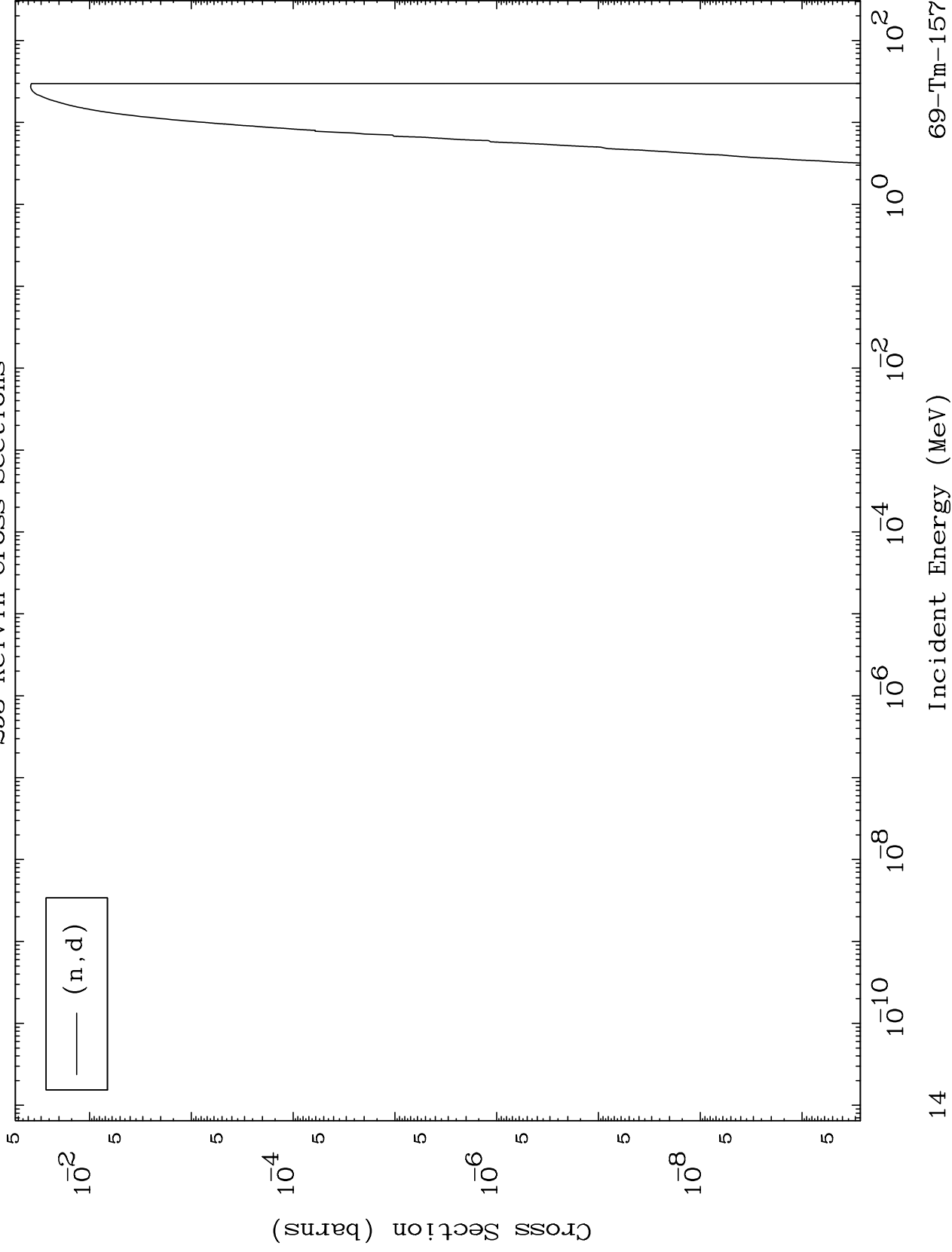
69-Tm-157



MAT 6889

(n,d) Levels
293 Kelvin Cross Sections

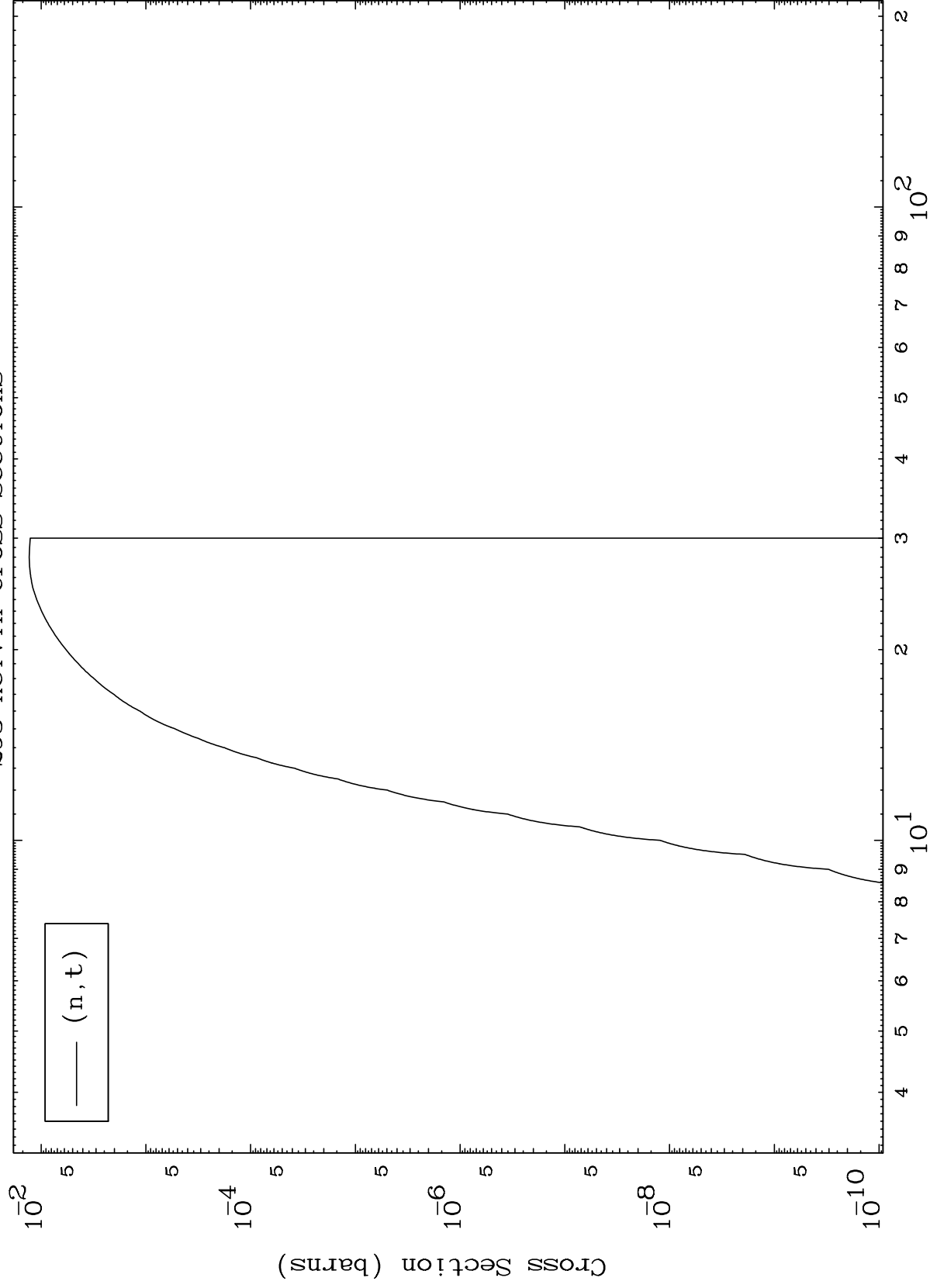
69-Tm-157



MAT 6889

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-157



15

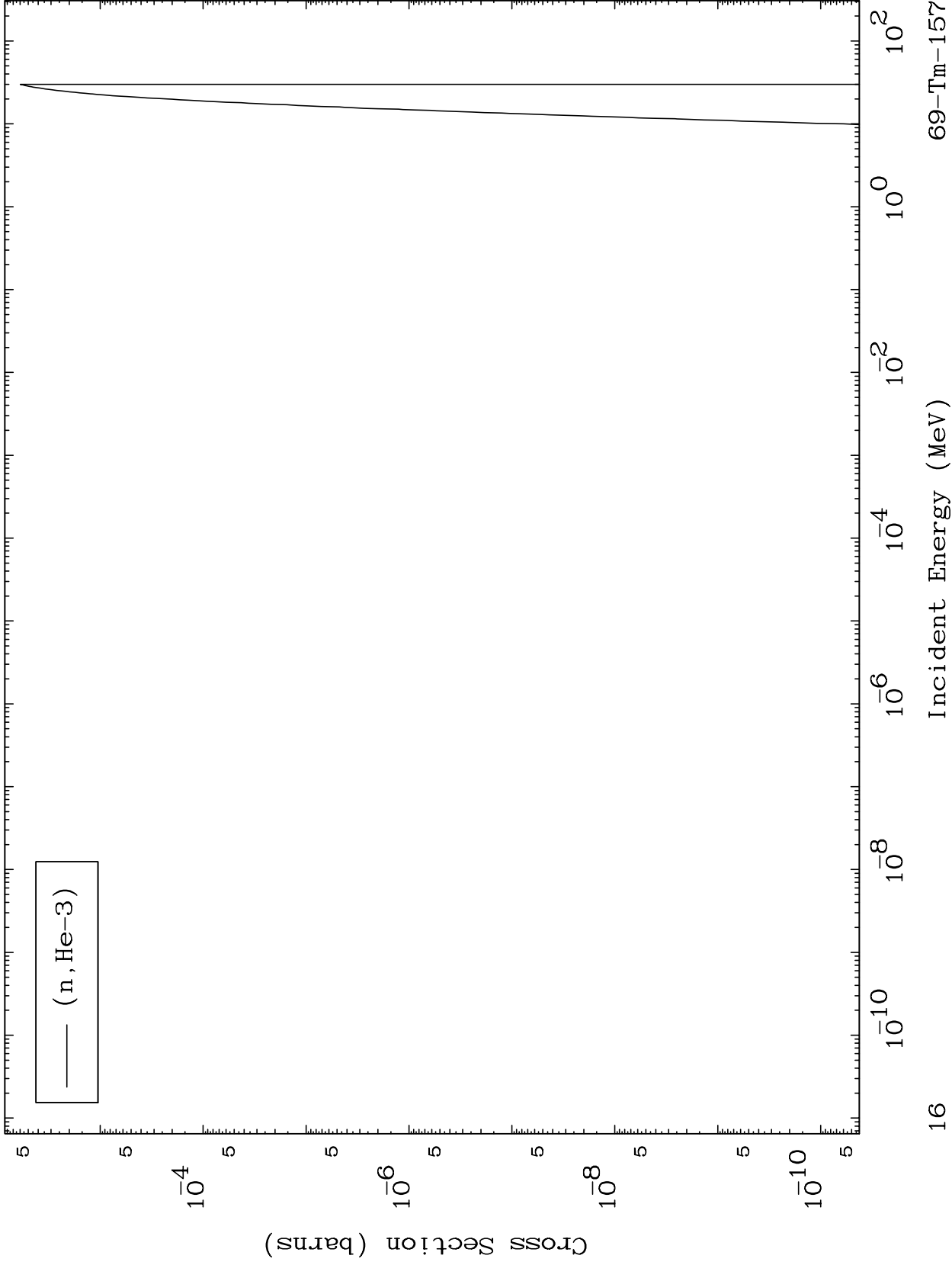
Incident Energy (MeV)

69-Tm-157

MAT 6889

(n,He3) Levels
293 Kelvin Cross Sections

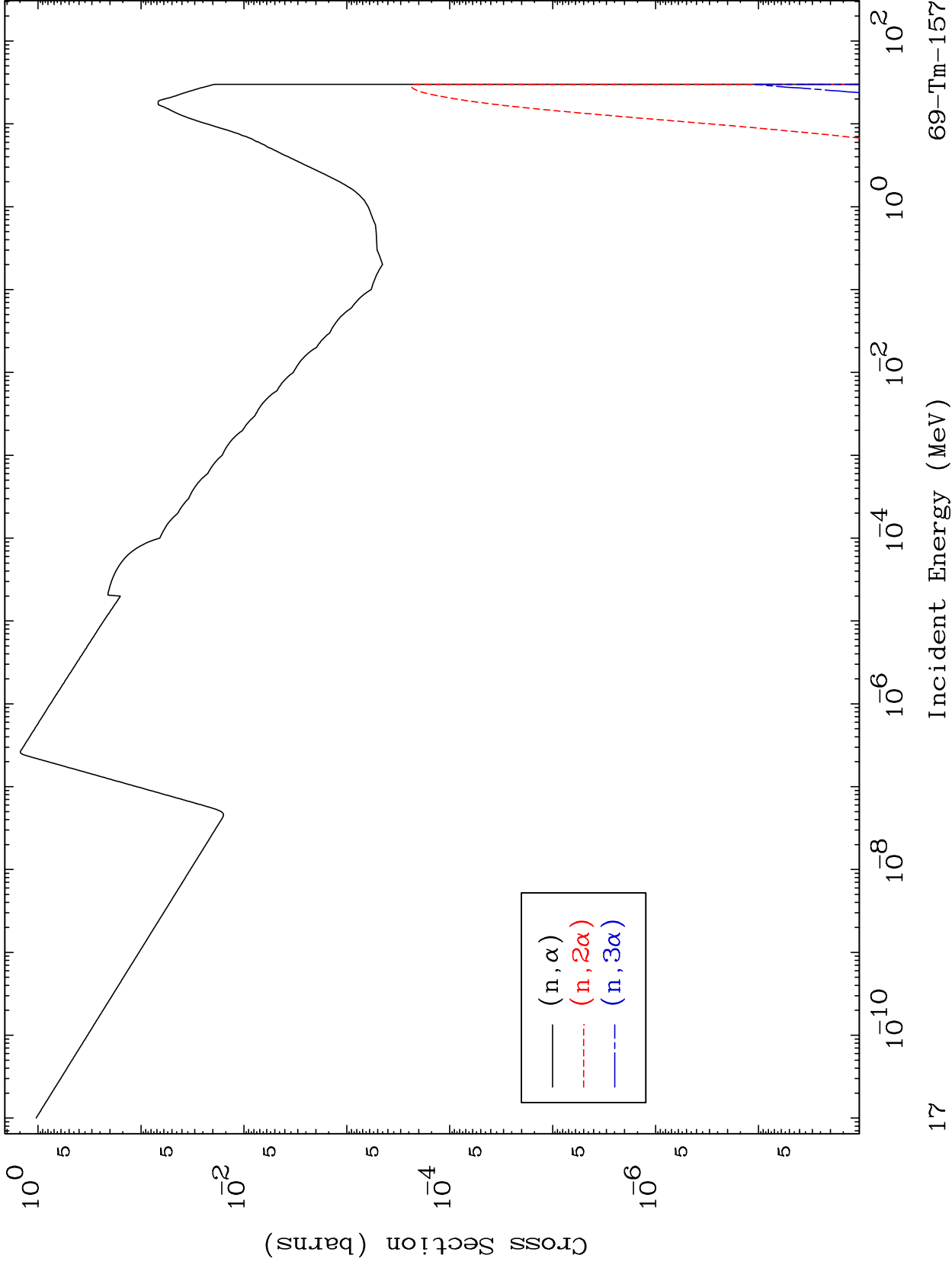
69-Tm-157



MAT 6889

(n,α) Levels
293 Kelvin Cross Sections

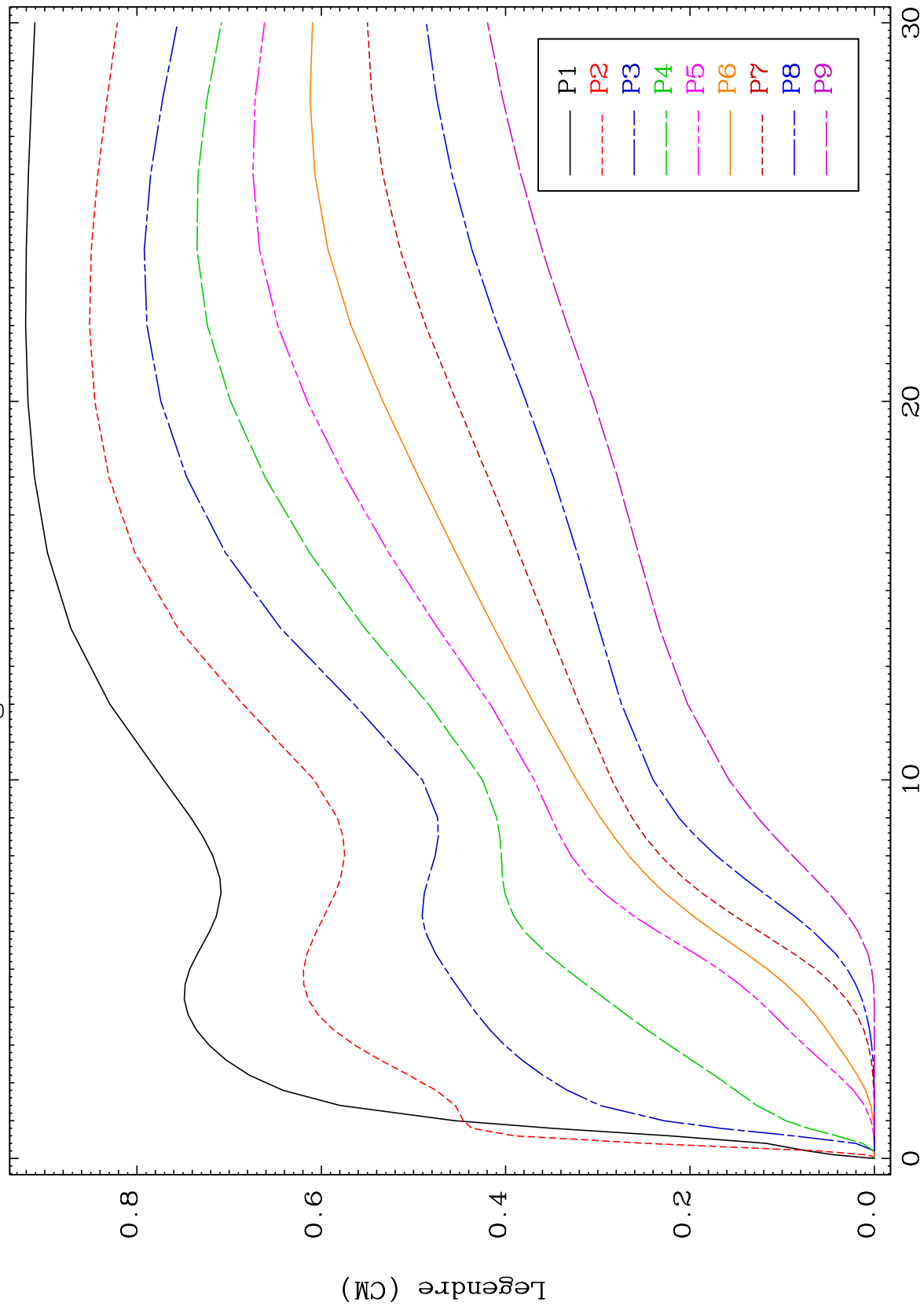
69-Tm-157



MAT 6889

Elastic Legendre Coefficients

69-Tm-157



18

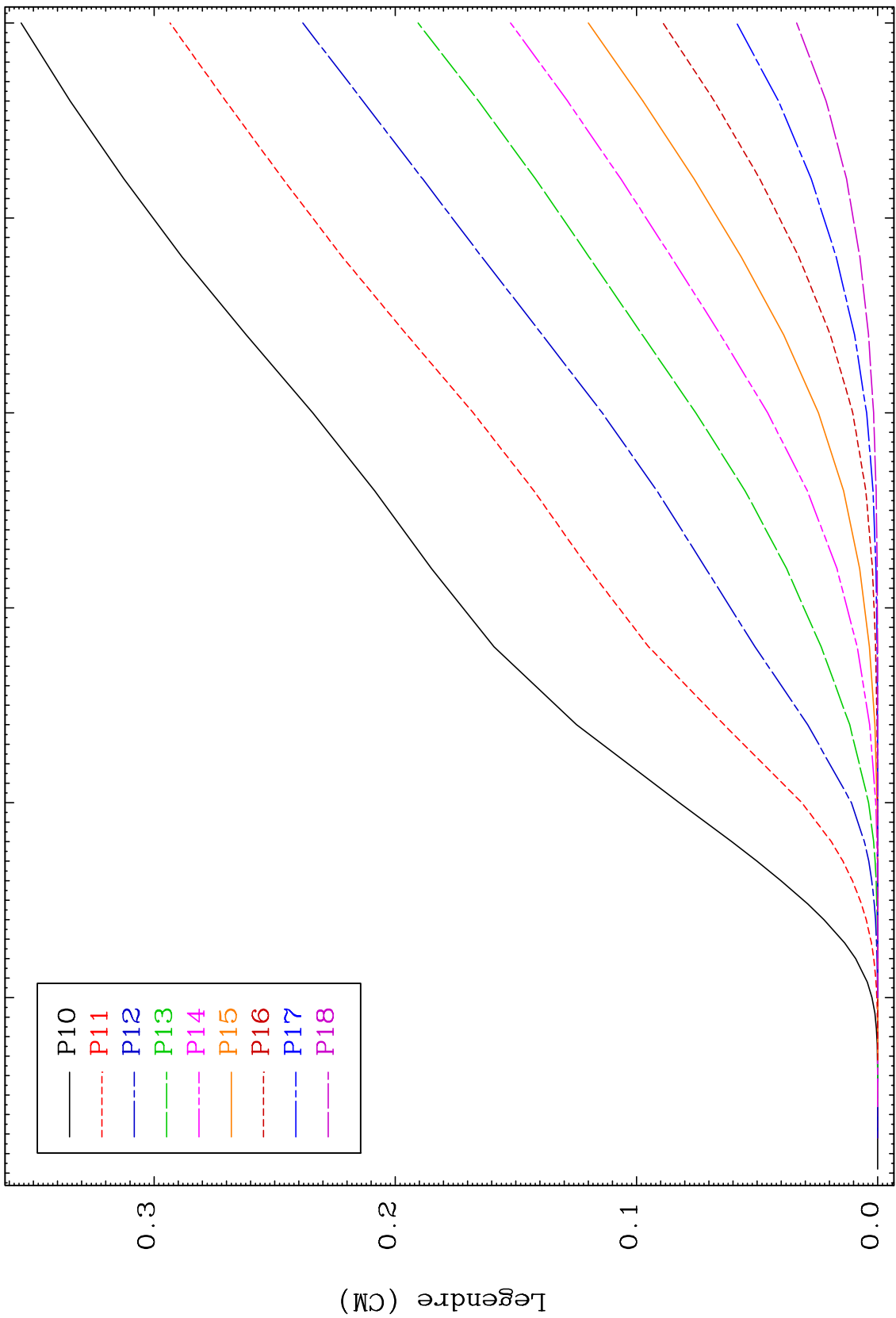
Incident Energy (MeV)

69-Tm-157

MAT 6889

Elastic Legendre Coefficients

69-Tm-157



19

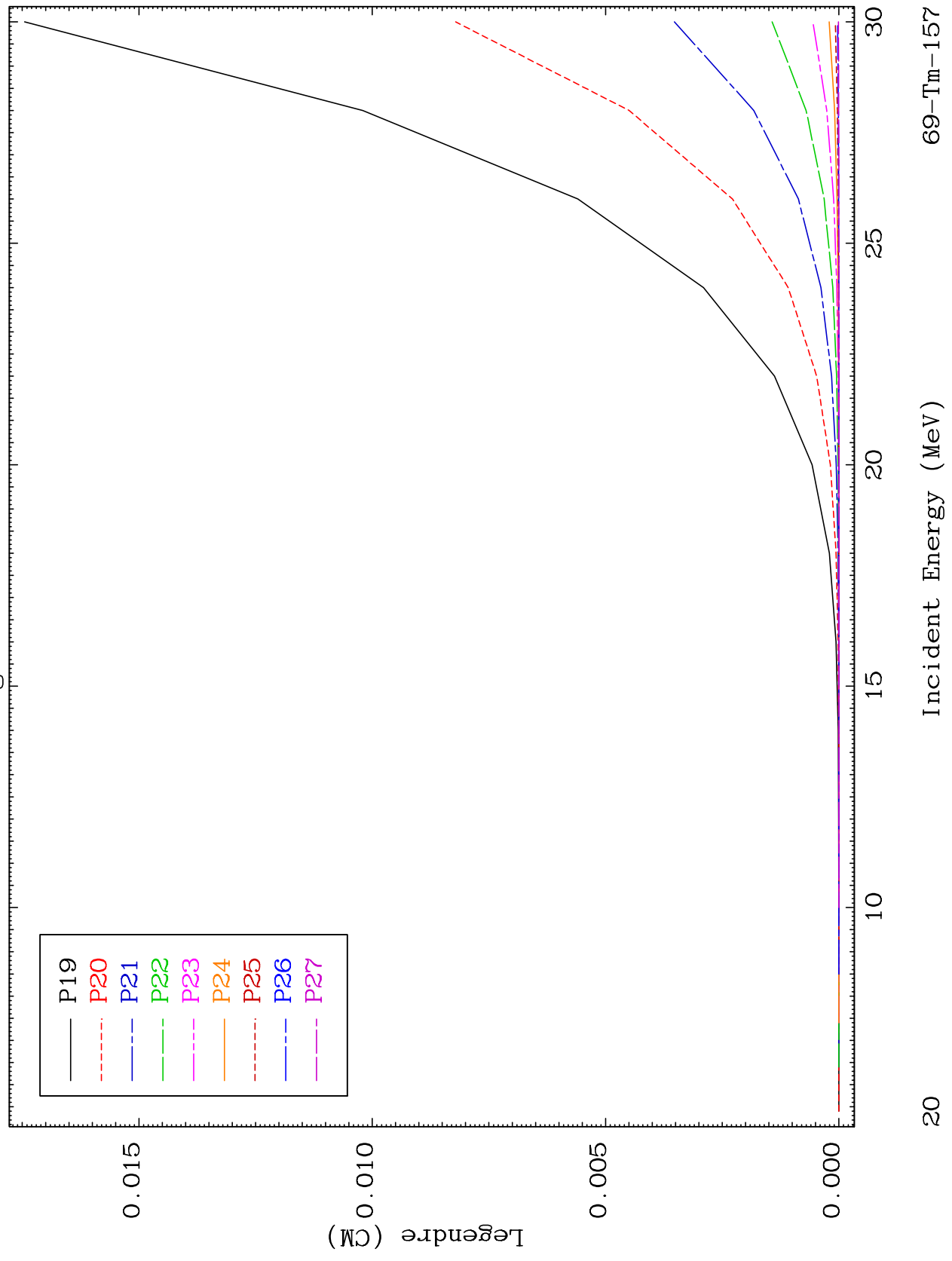
Incident Energy (MeV)

69-Tm-157

MAT 6889

Elastic Legendre Coefficients

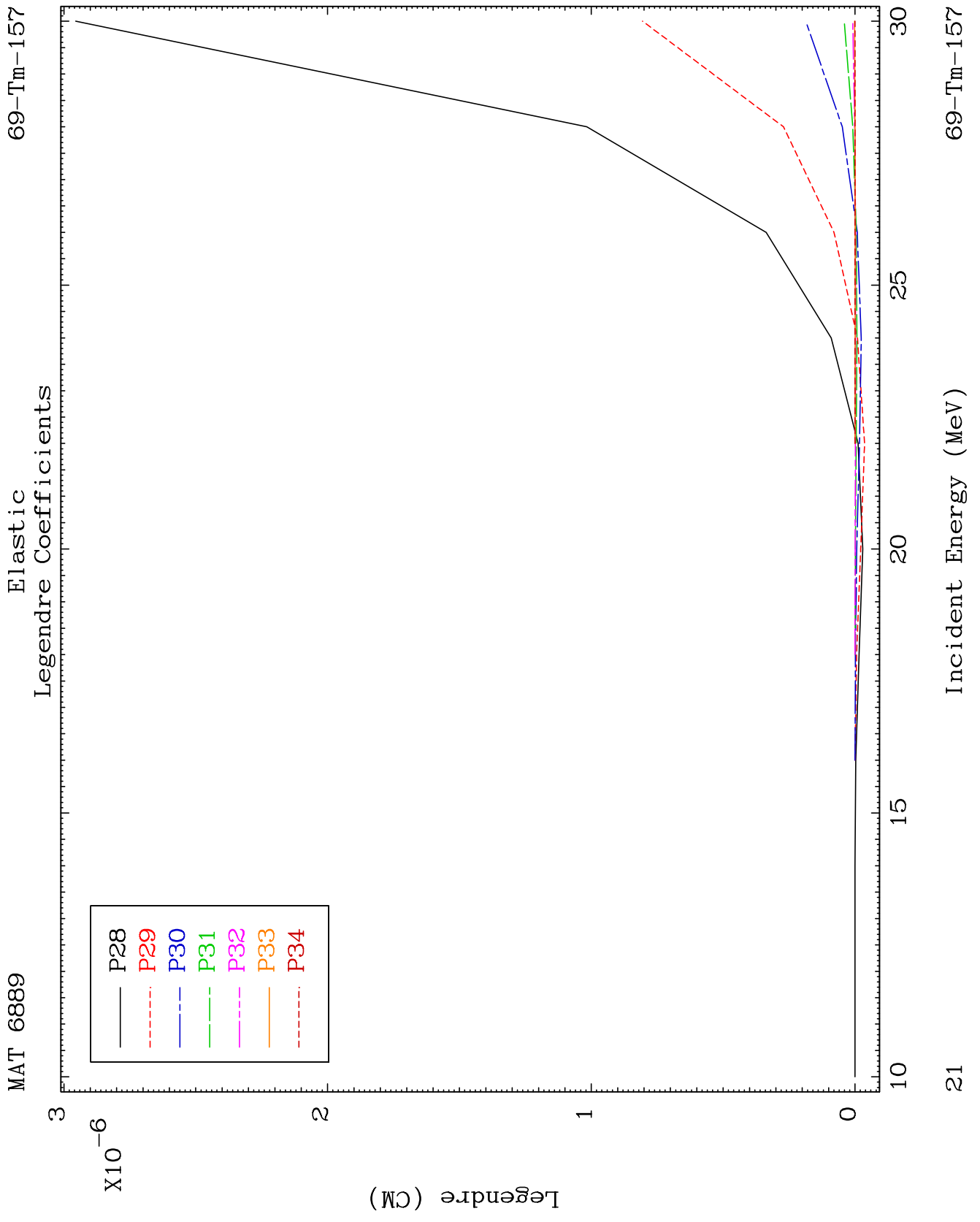
69-Tm-157



20

Incident Energy (MeV)

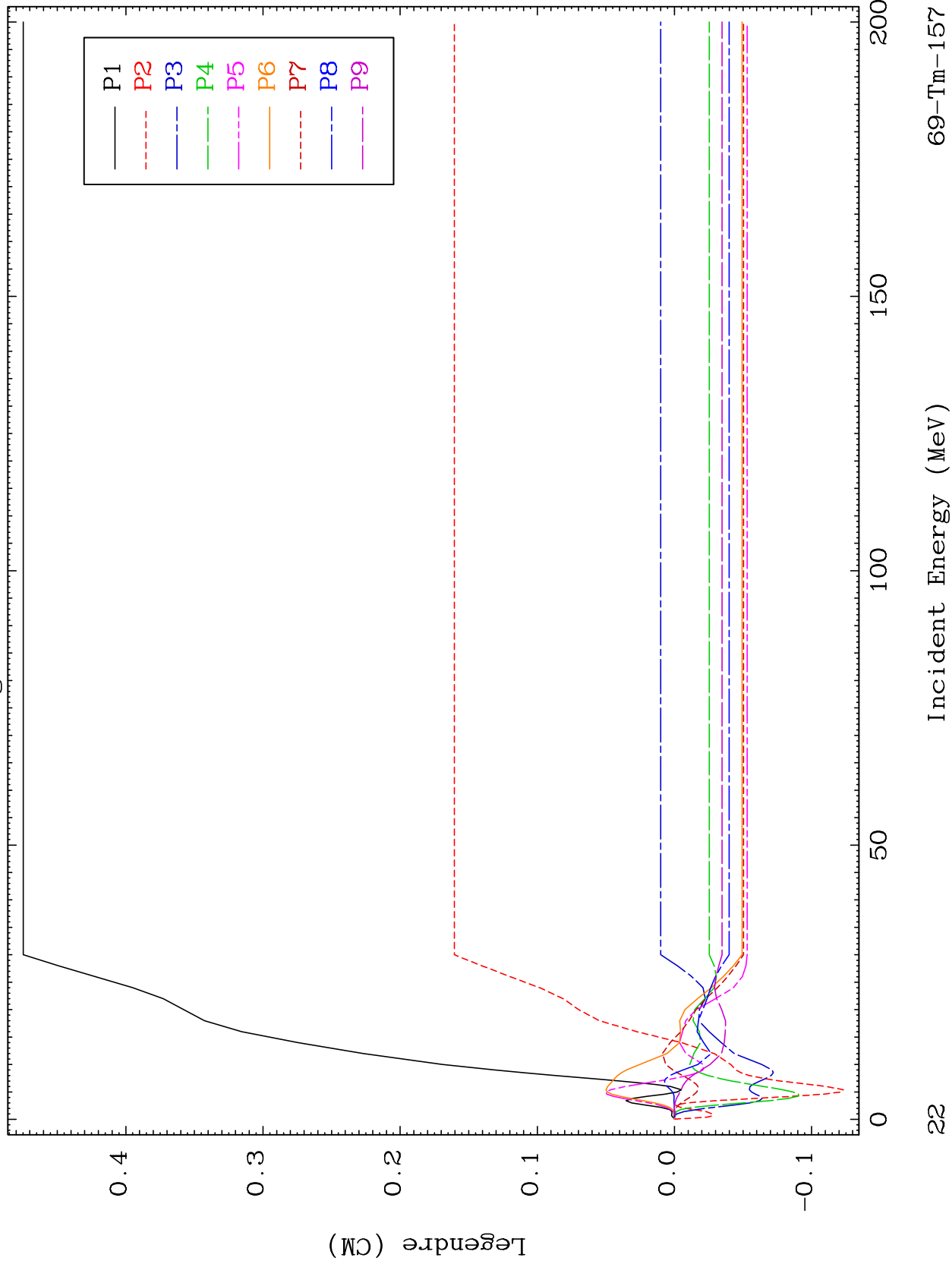
69-Tm-157



MAT 6889

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

69-Tm-157



69-Tm-157

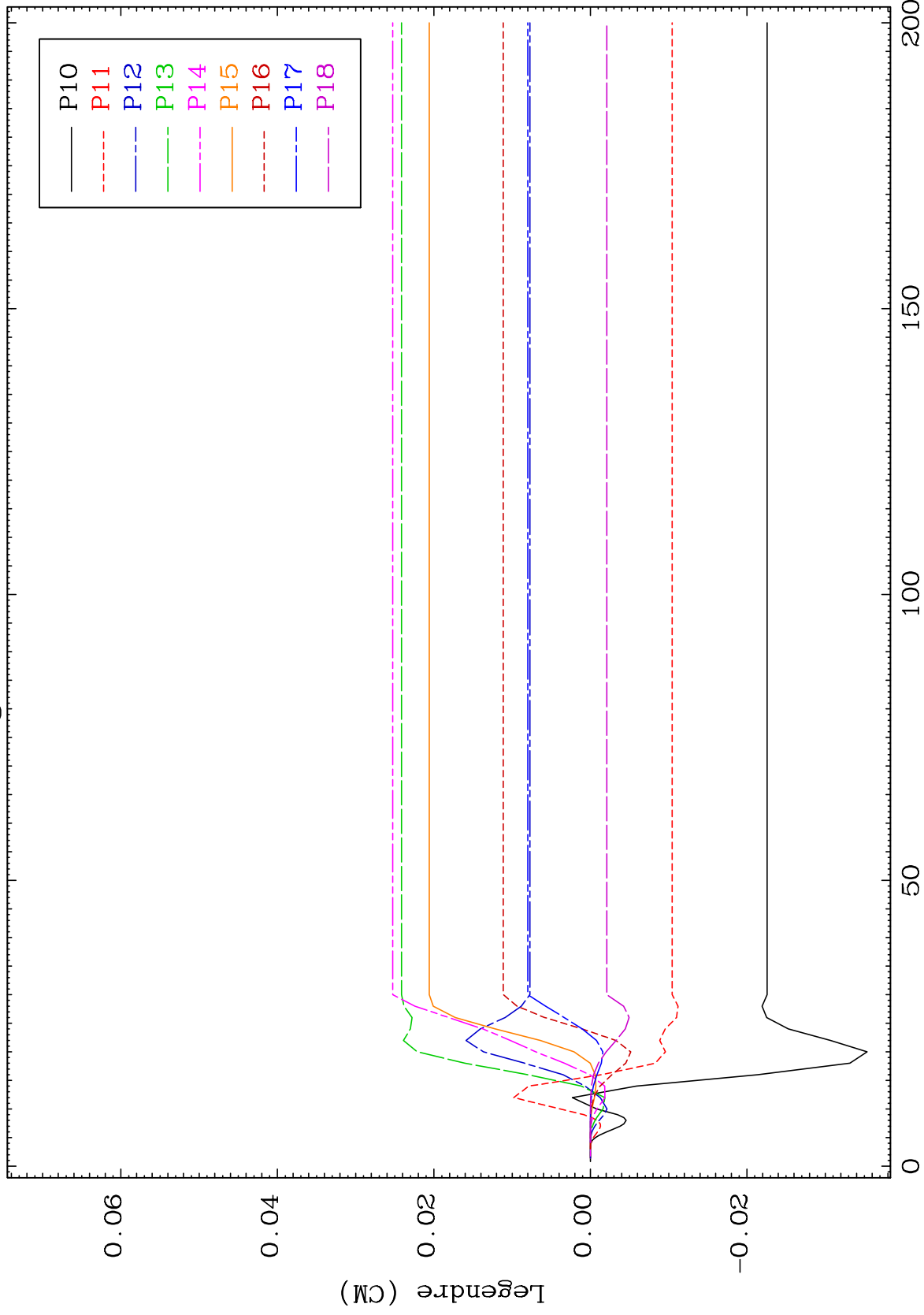
Incident Energy (MeV)

22

MAT 6889

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

69-Tm-157



23

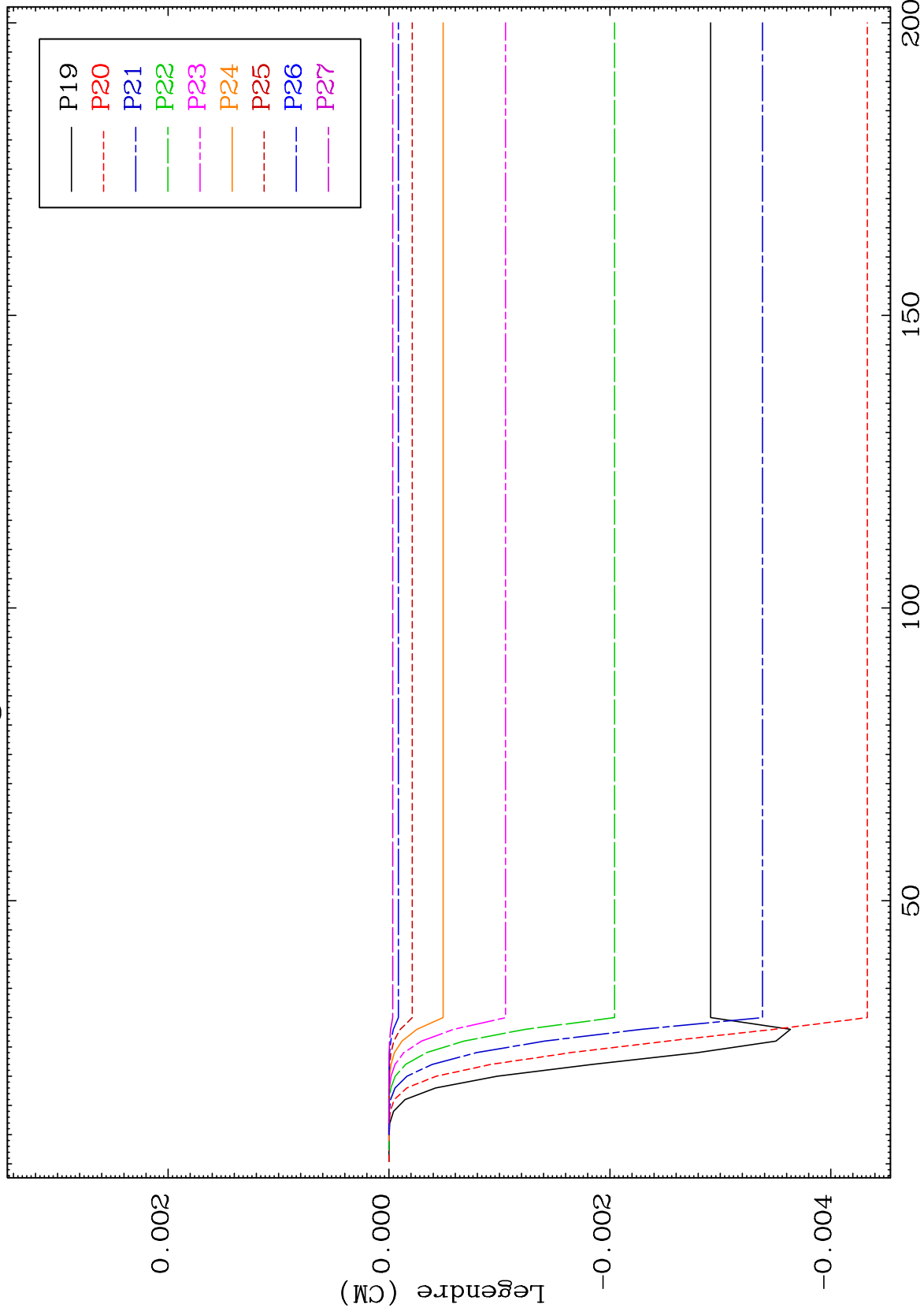
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

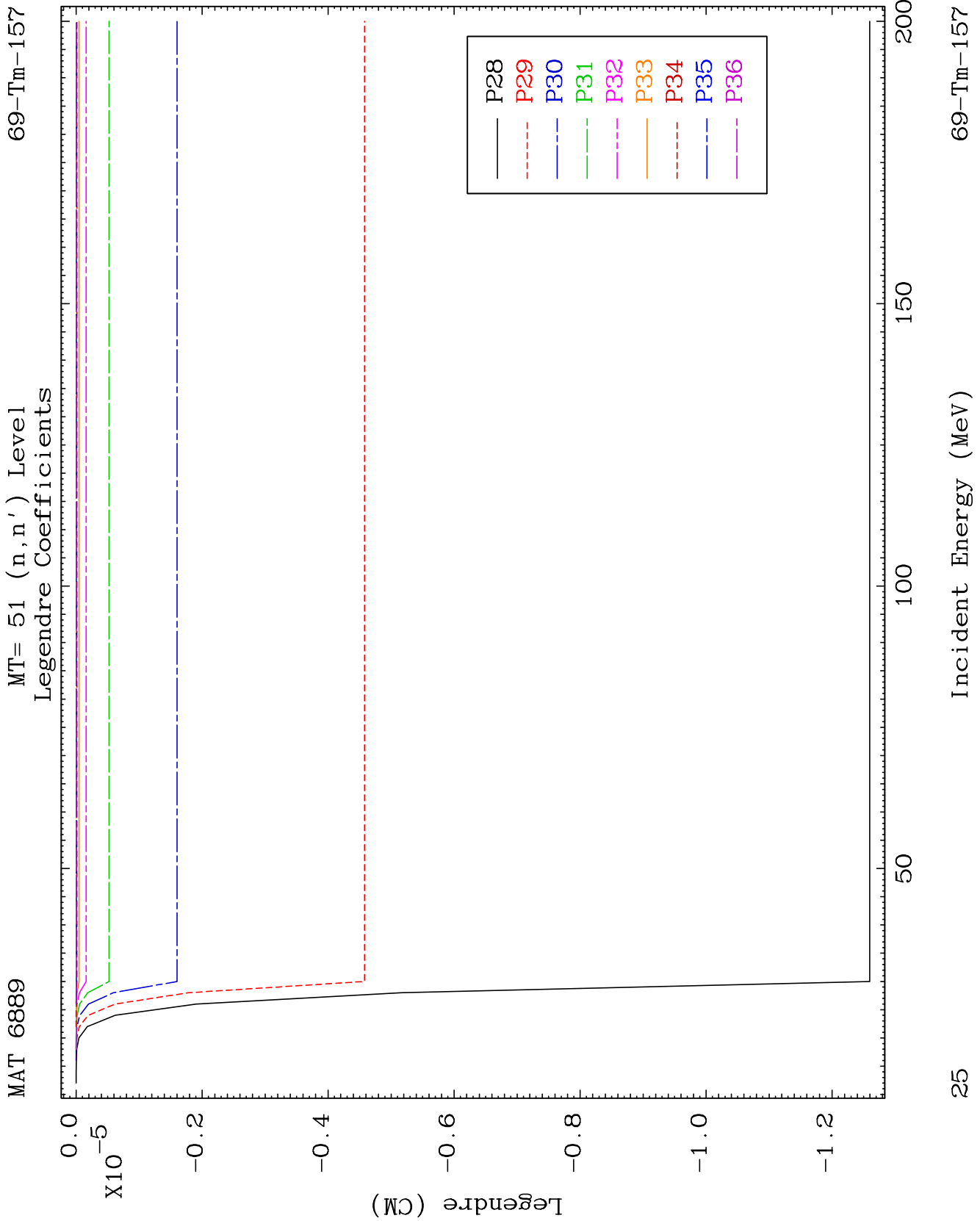
69-Tm-157



24

Incident Energy (MeV)

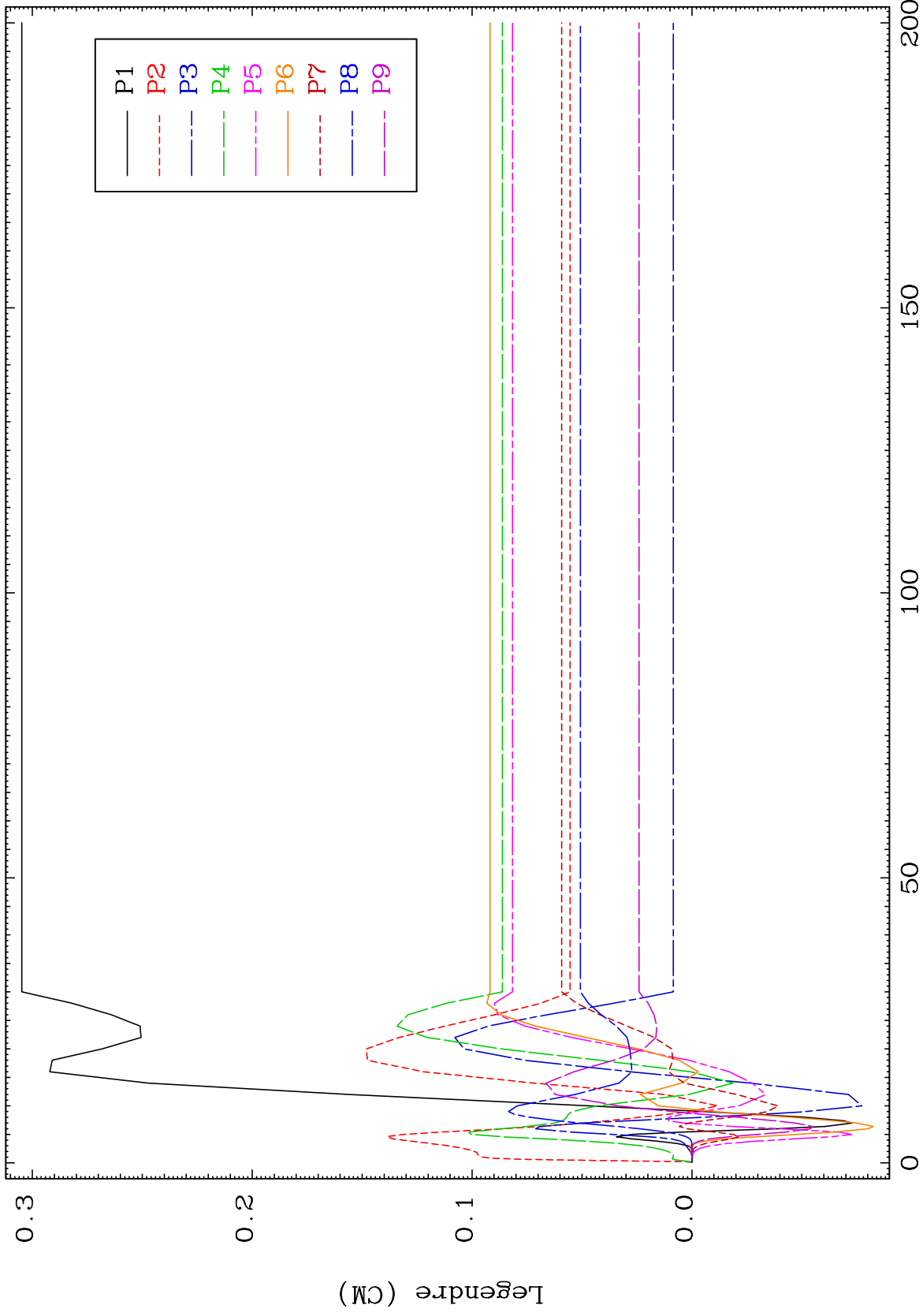
69-Tm-157



MAT 6889

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

69-Tm-157



26

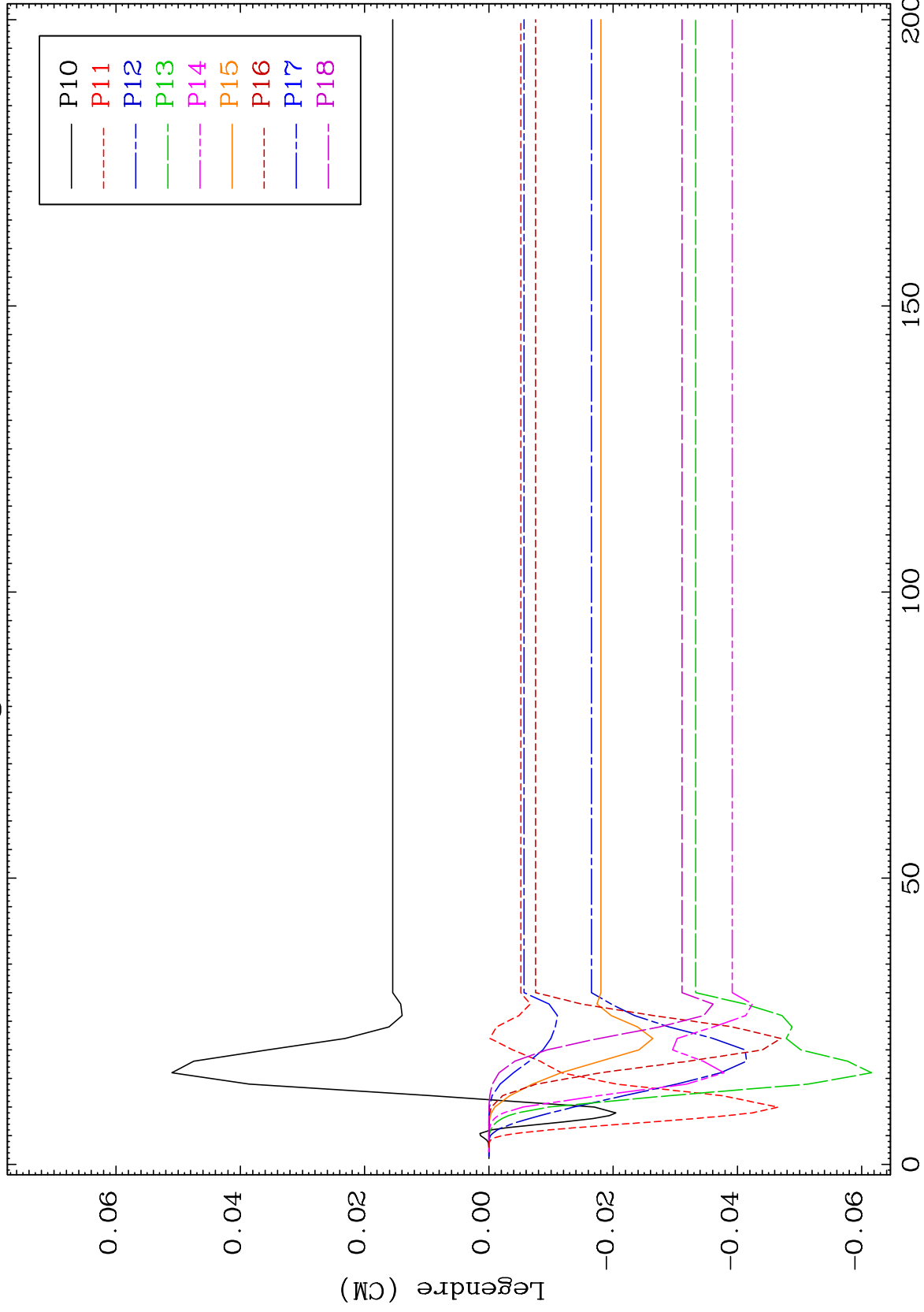
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



27

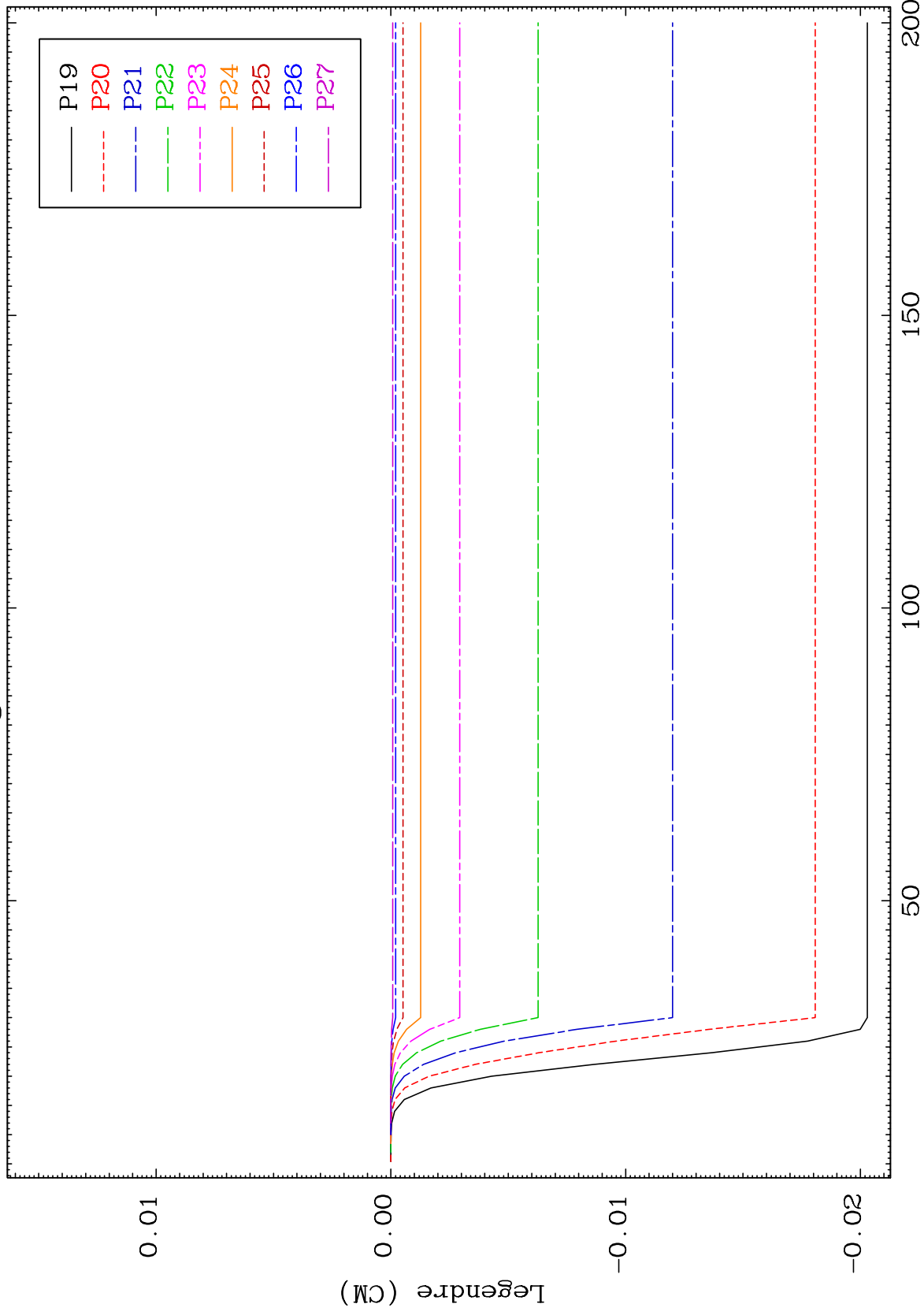
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

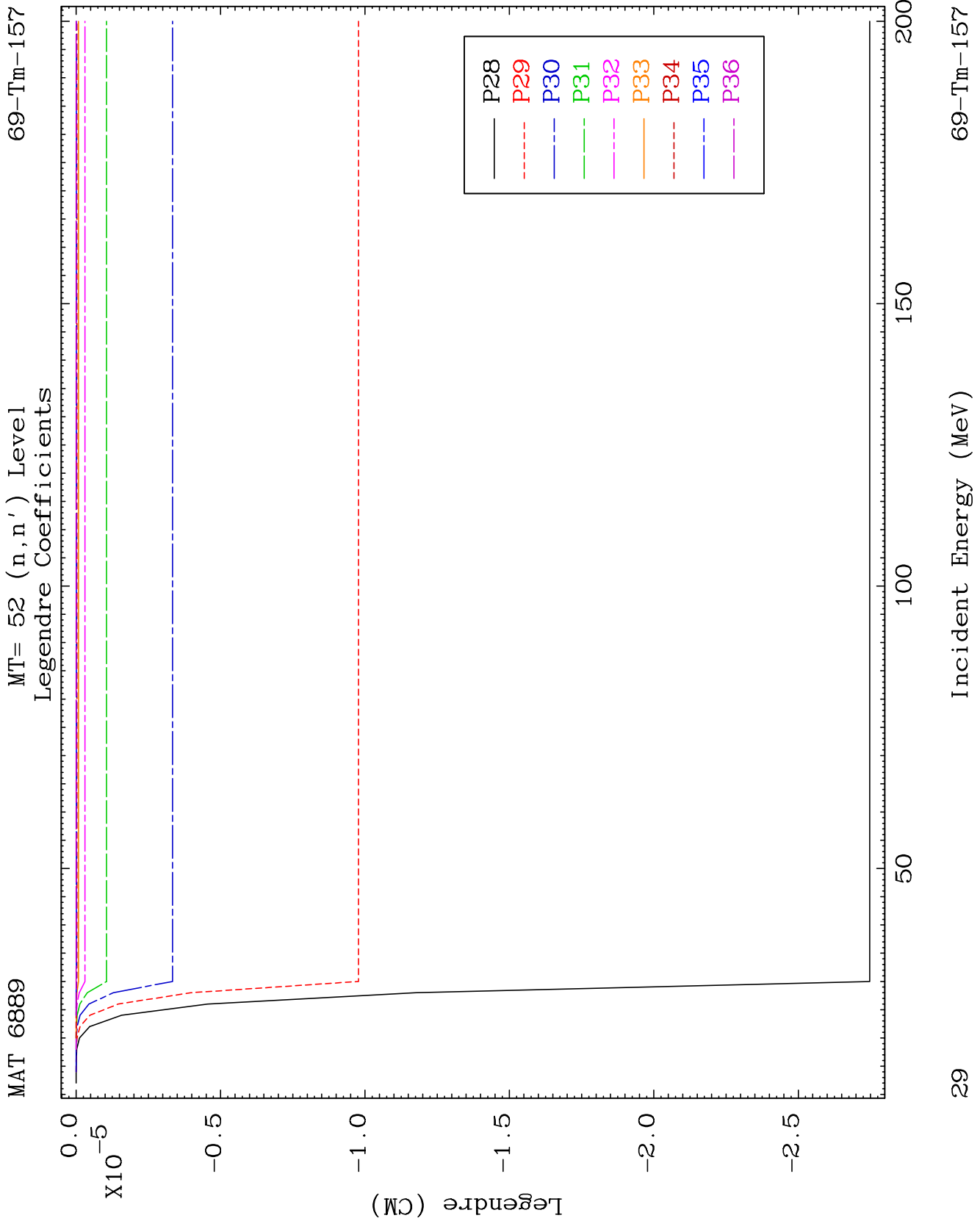
69-Tm-157

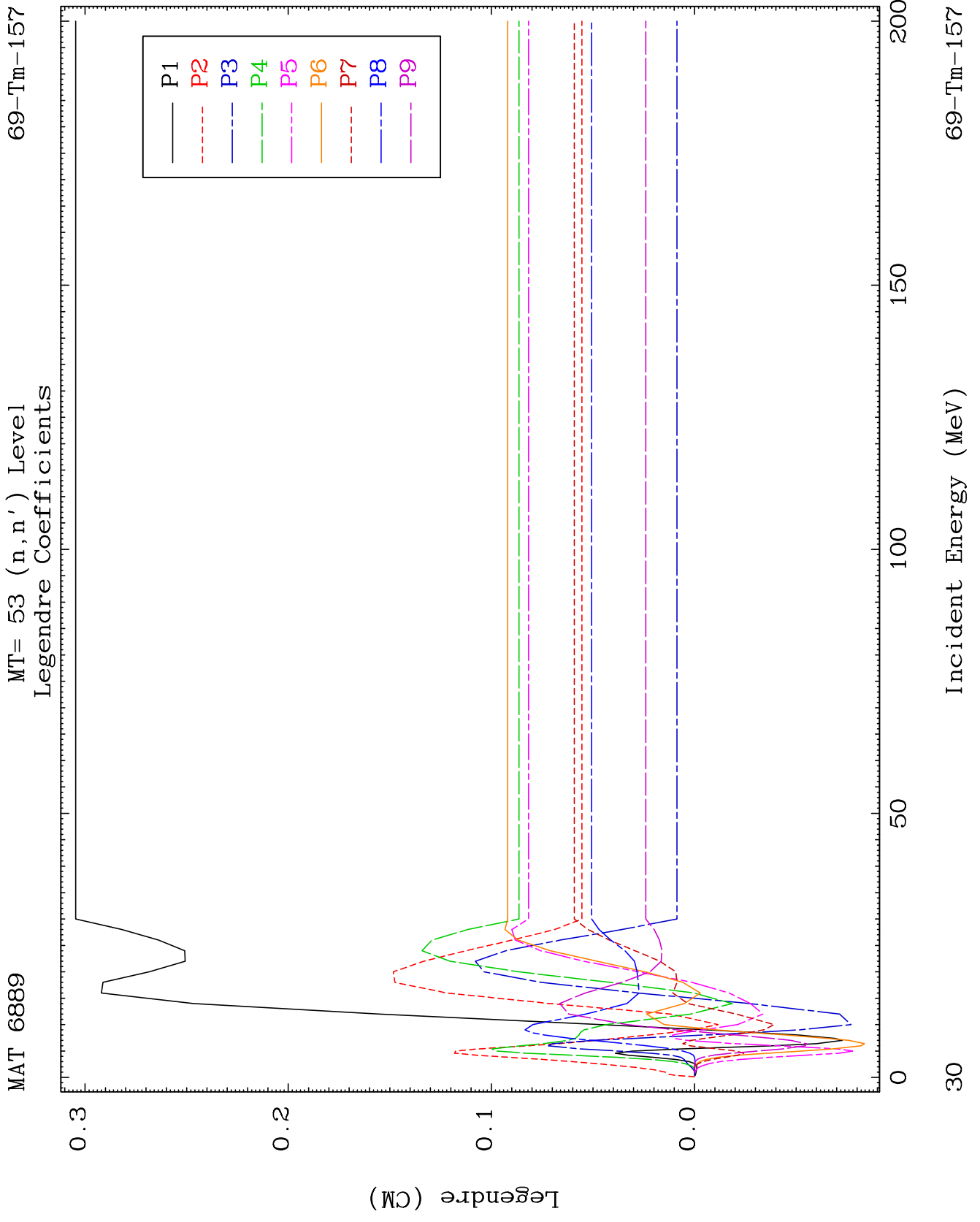


28

Incident Energy (MeV)

69-Tm-157

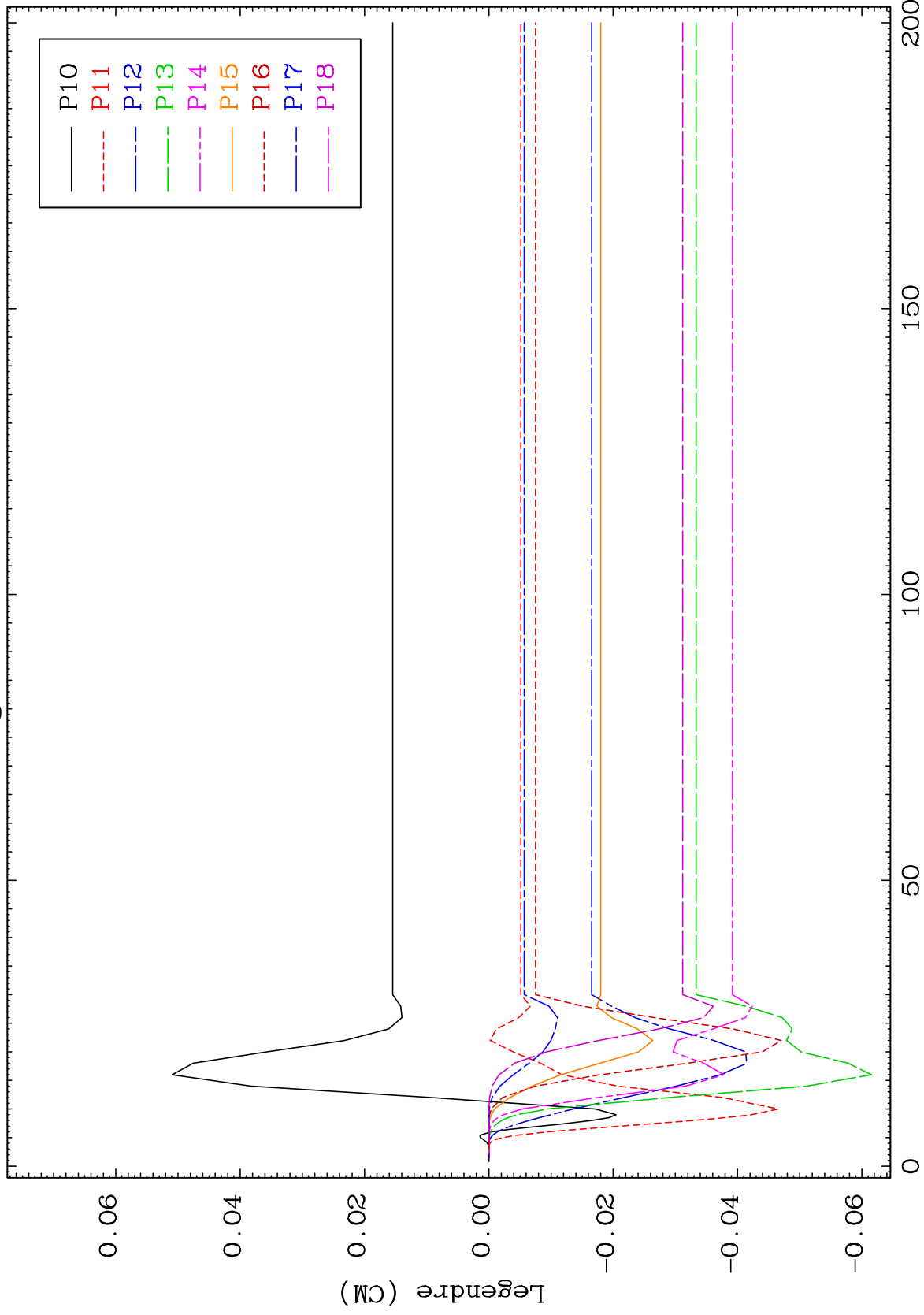




MAT 6889

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

69-Tm-157



31

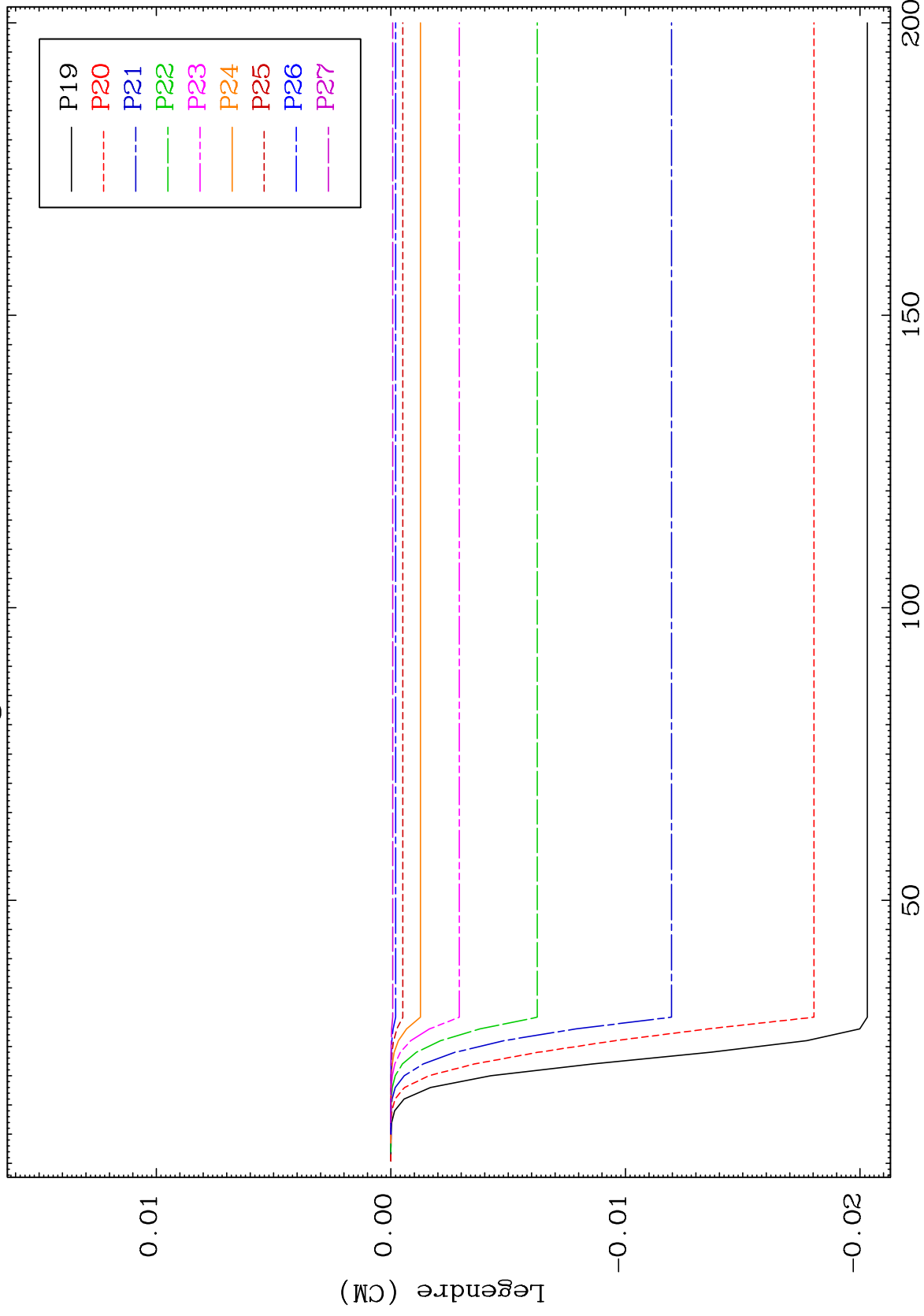
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



32

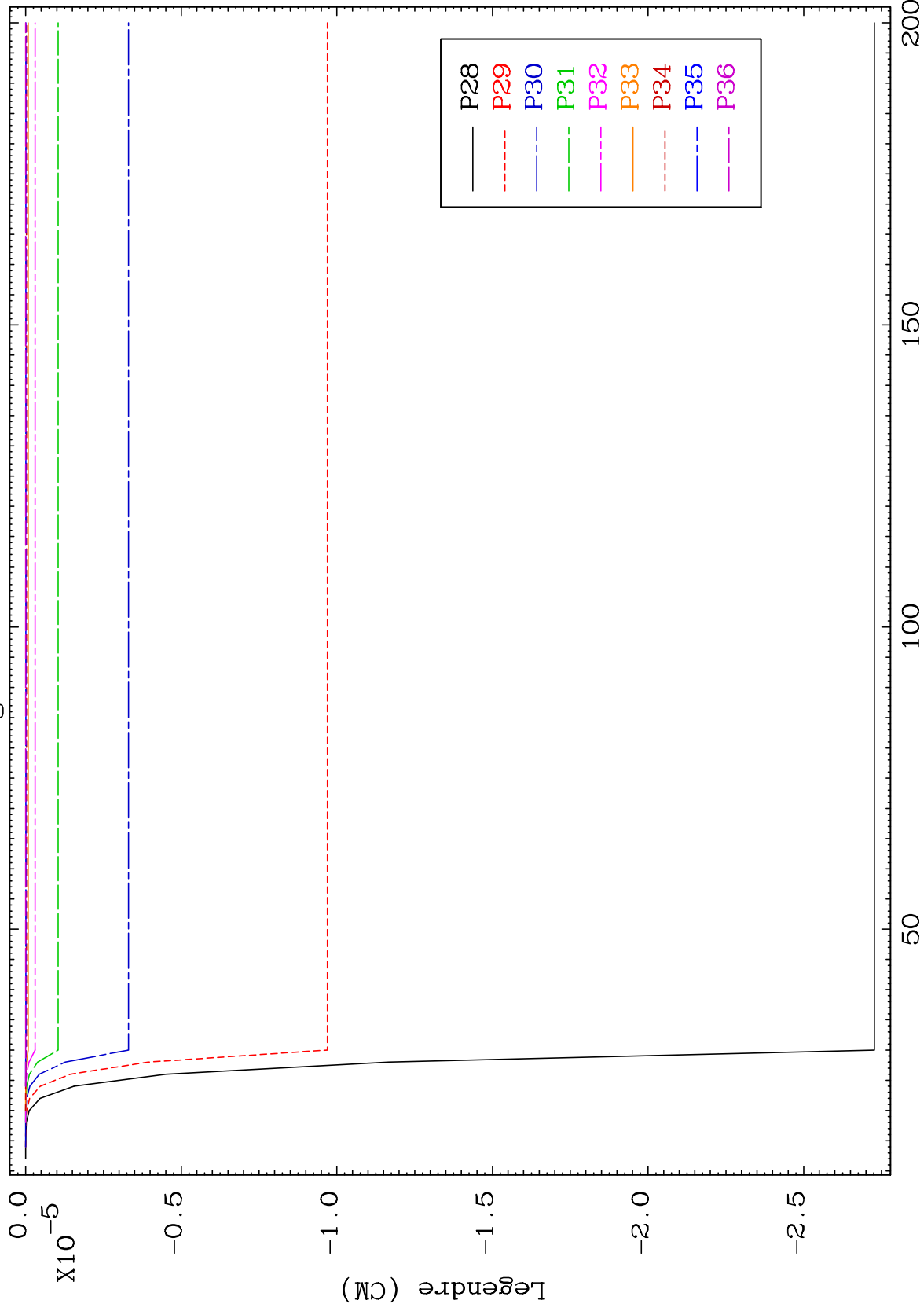
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

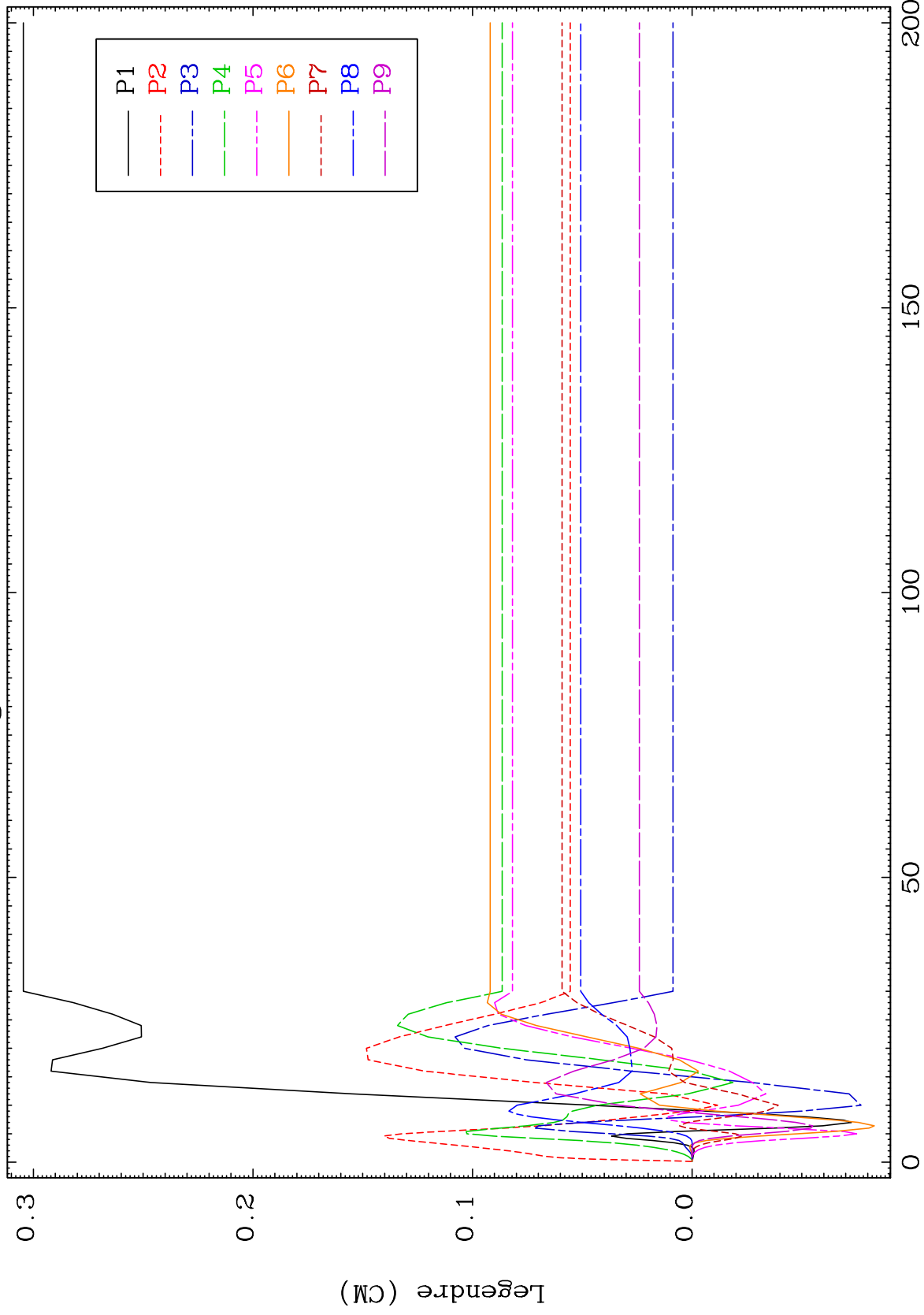
69-Tm-157



MAT 6889

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

69-Tm-157



34

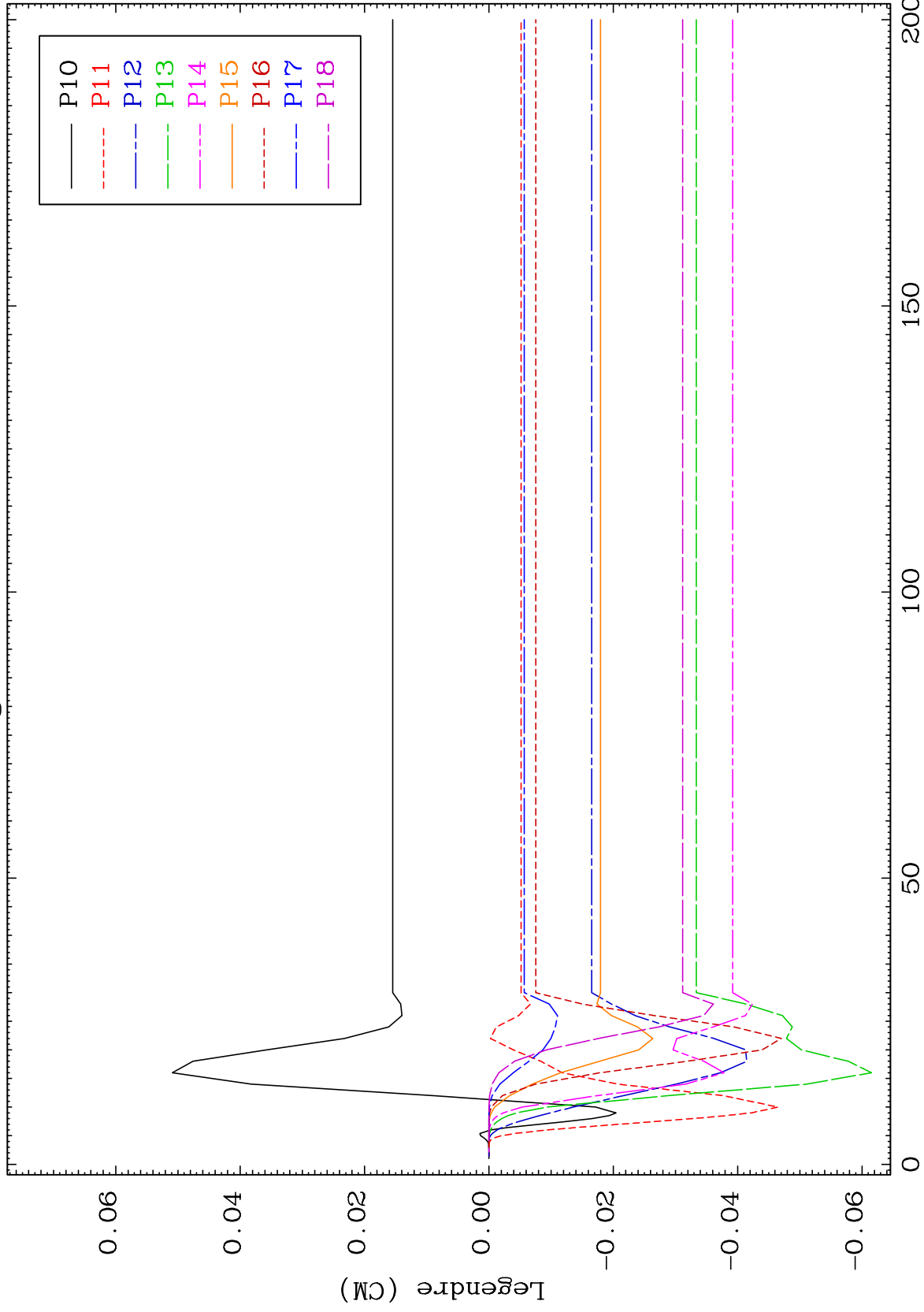
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



35

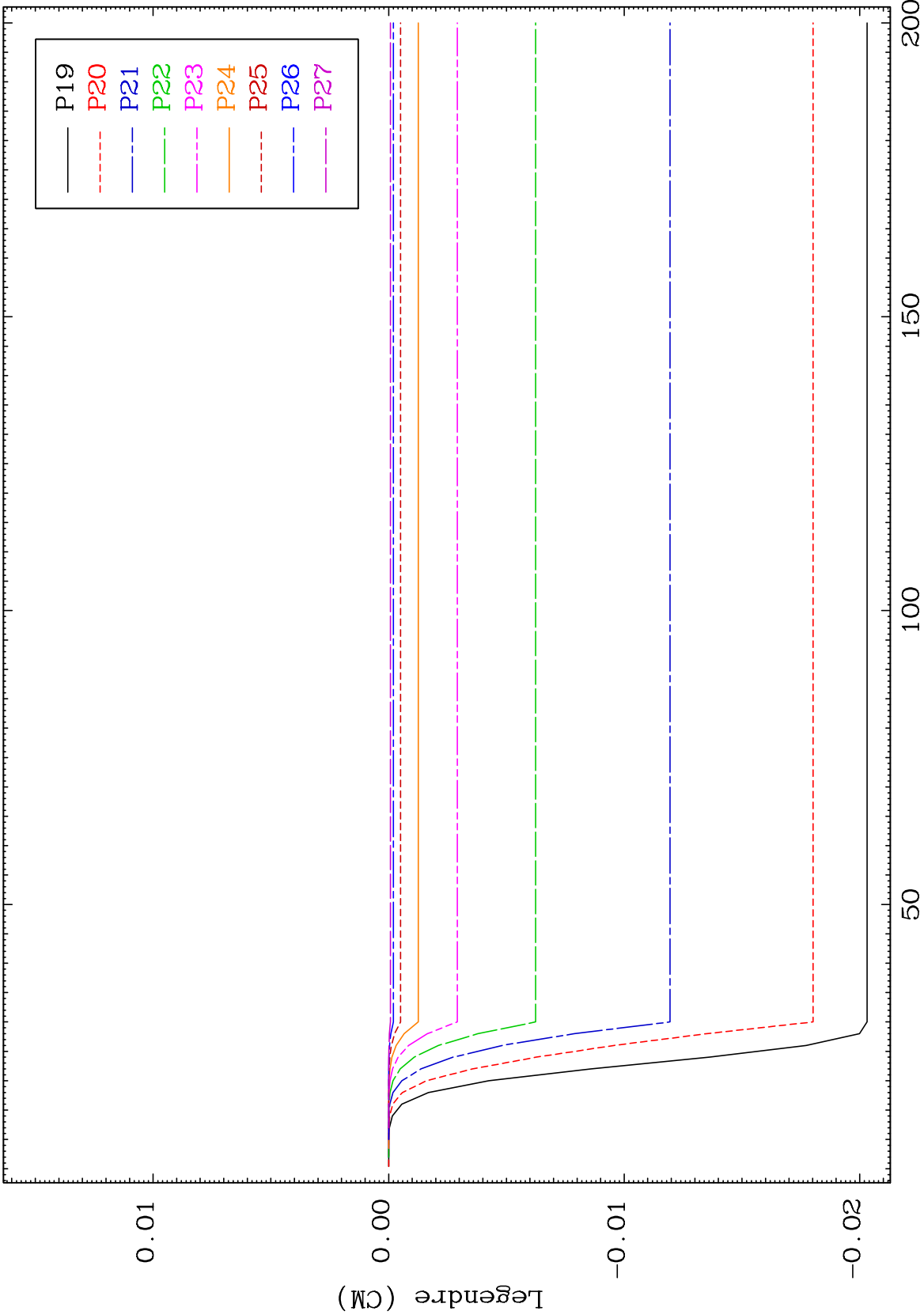
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

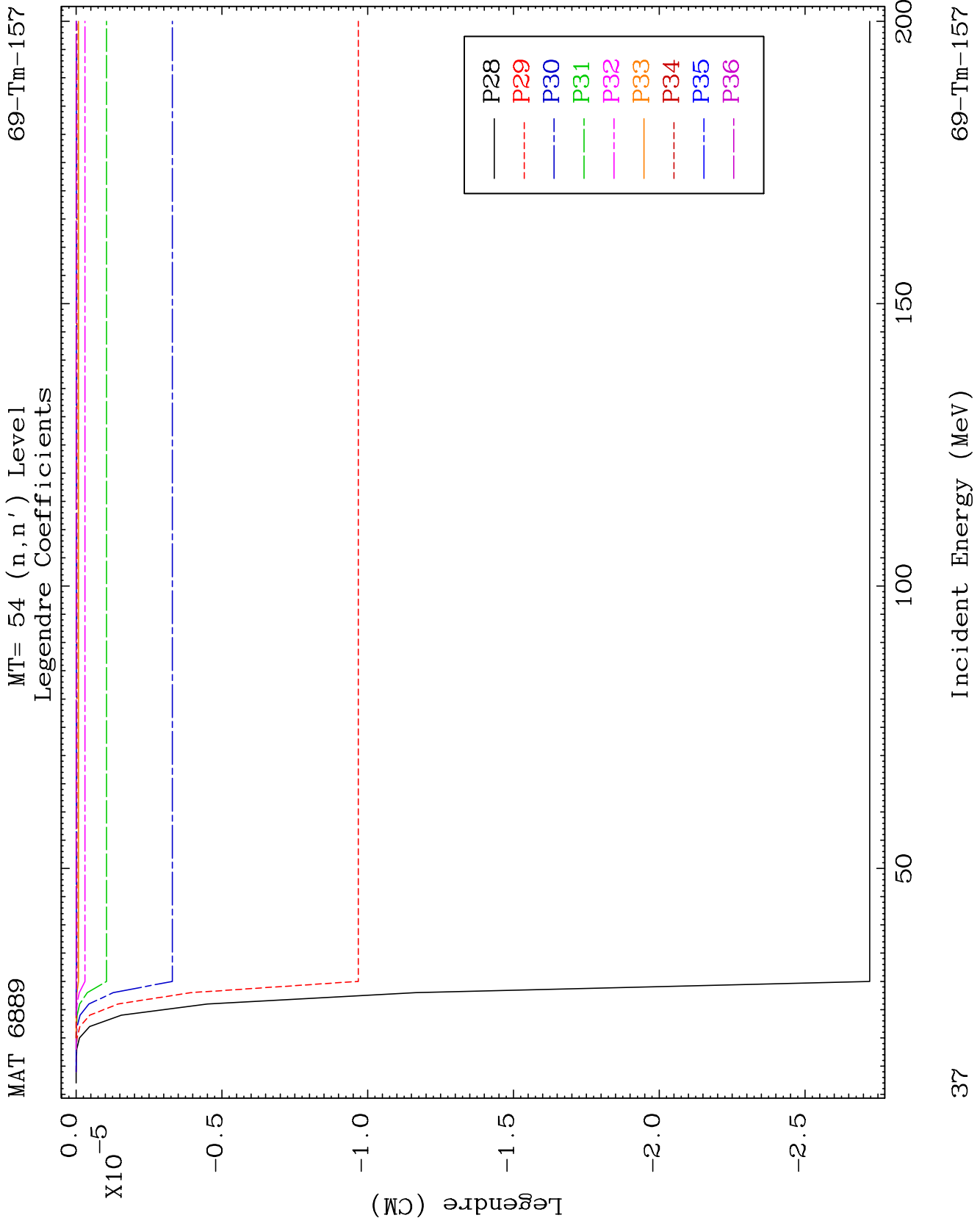
69-Tm-157

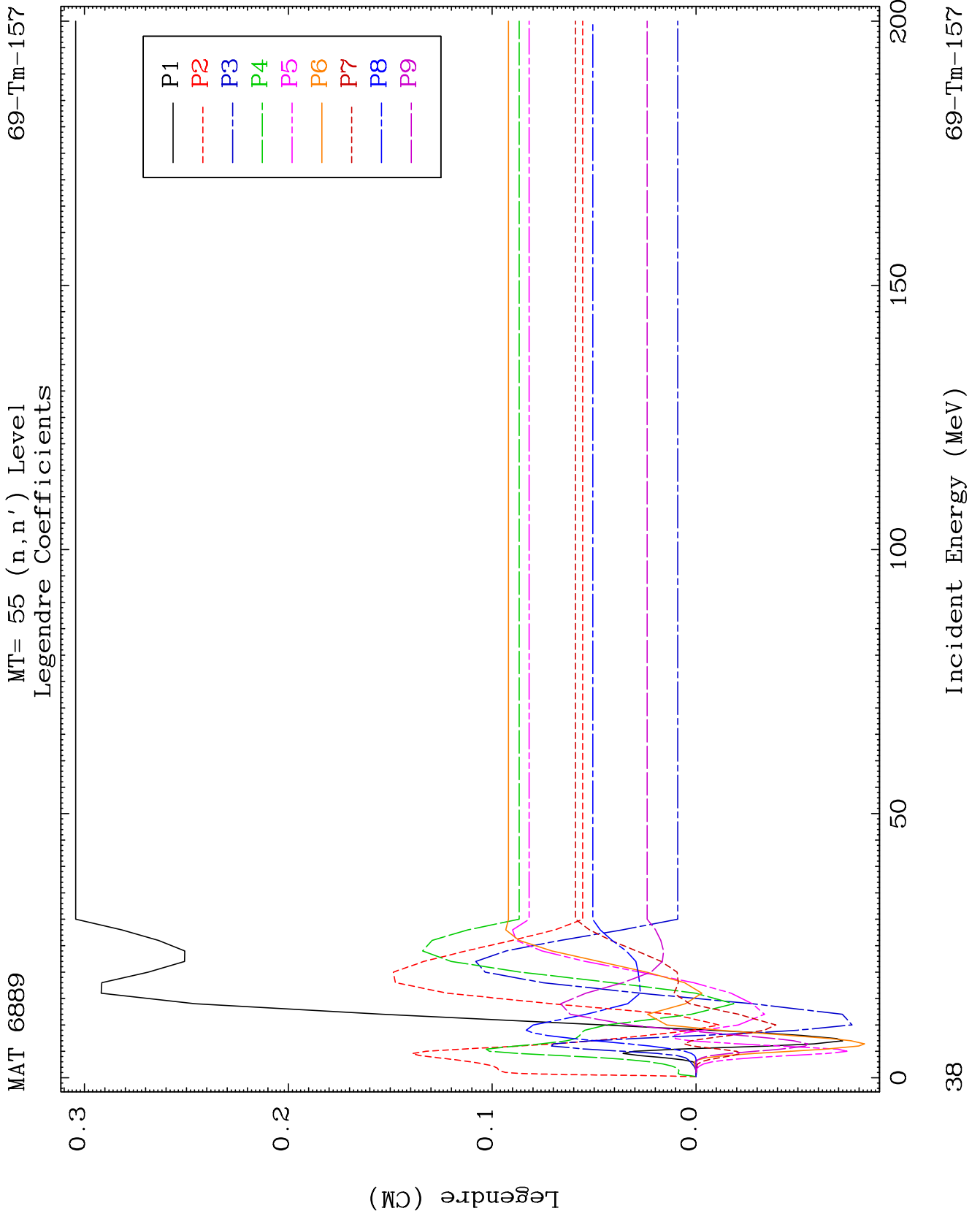


36

Incident Energy (MeV)

69-Tm-157

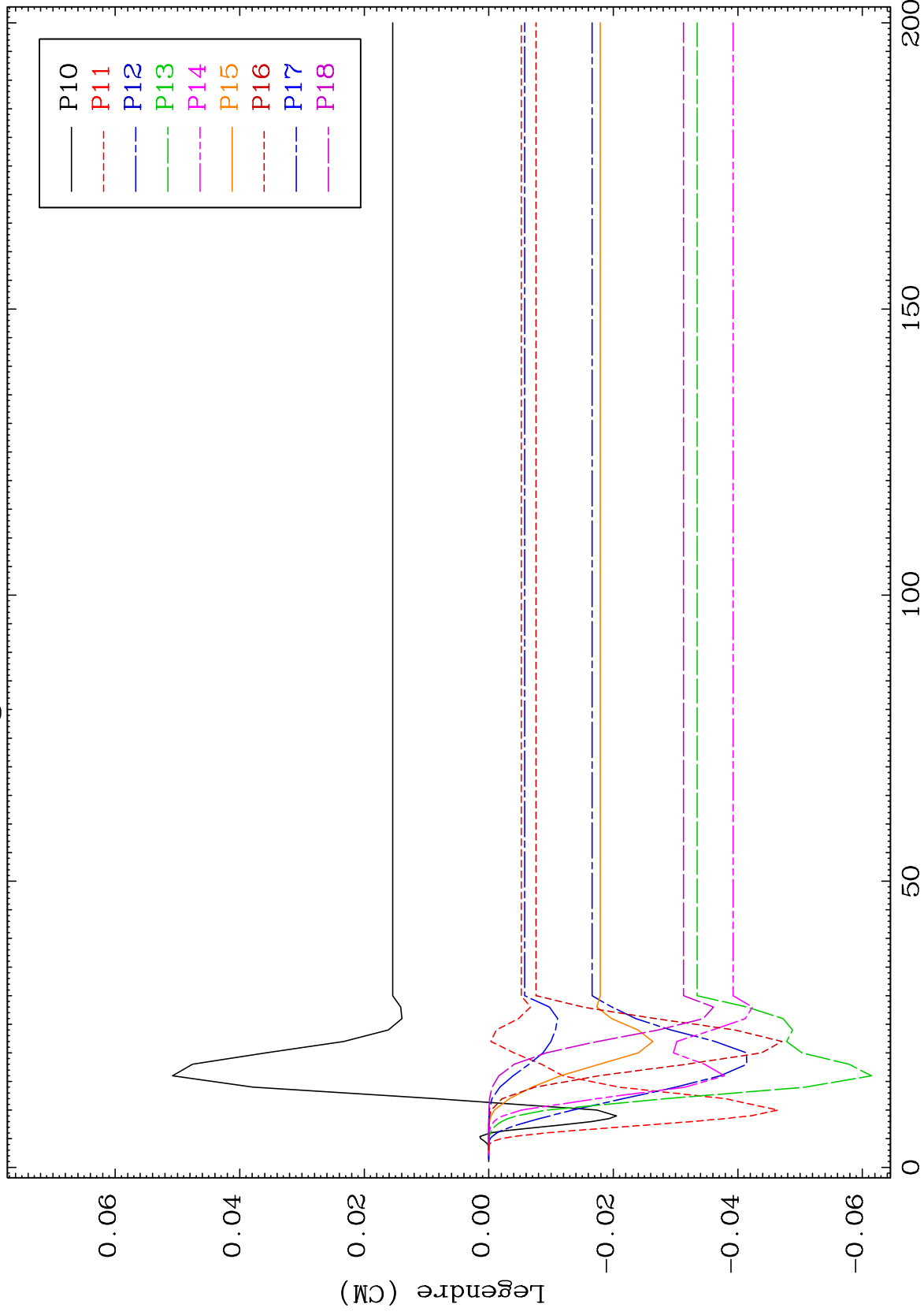




MAT 6889

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

69-Tm-157



39

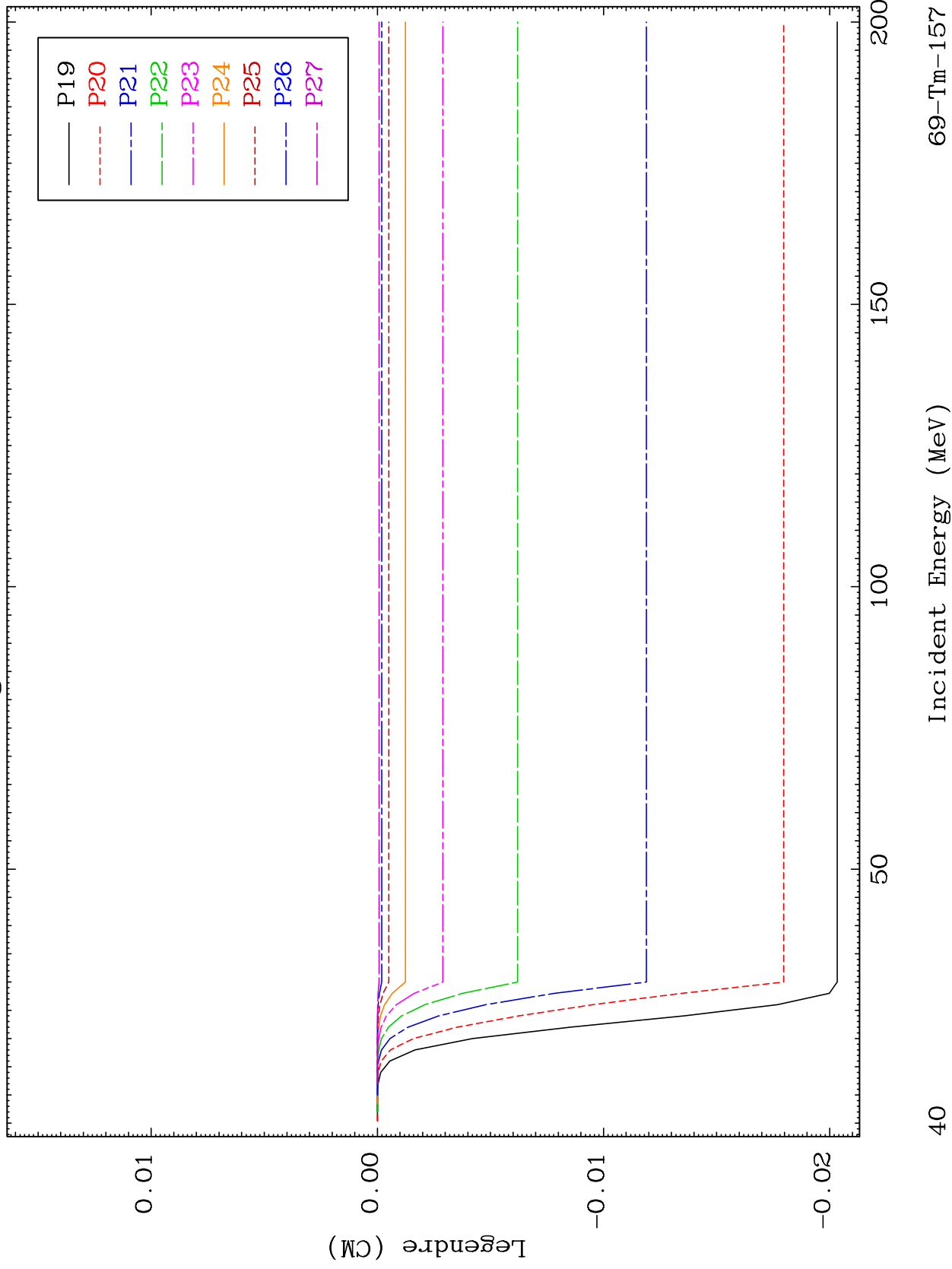
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

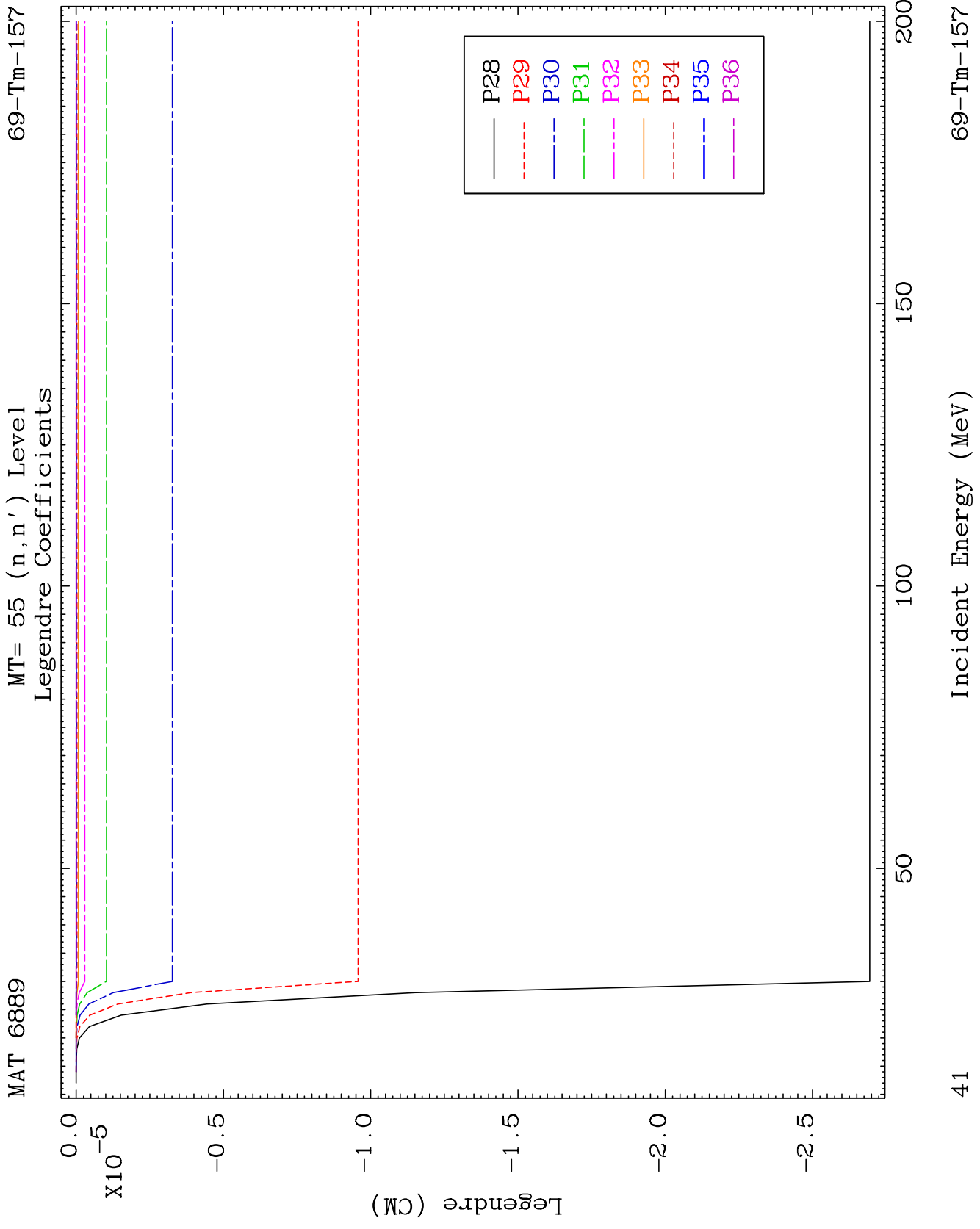
69-Tm-157



69-Tm-157

Incident Energy (MeV)

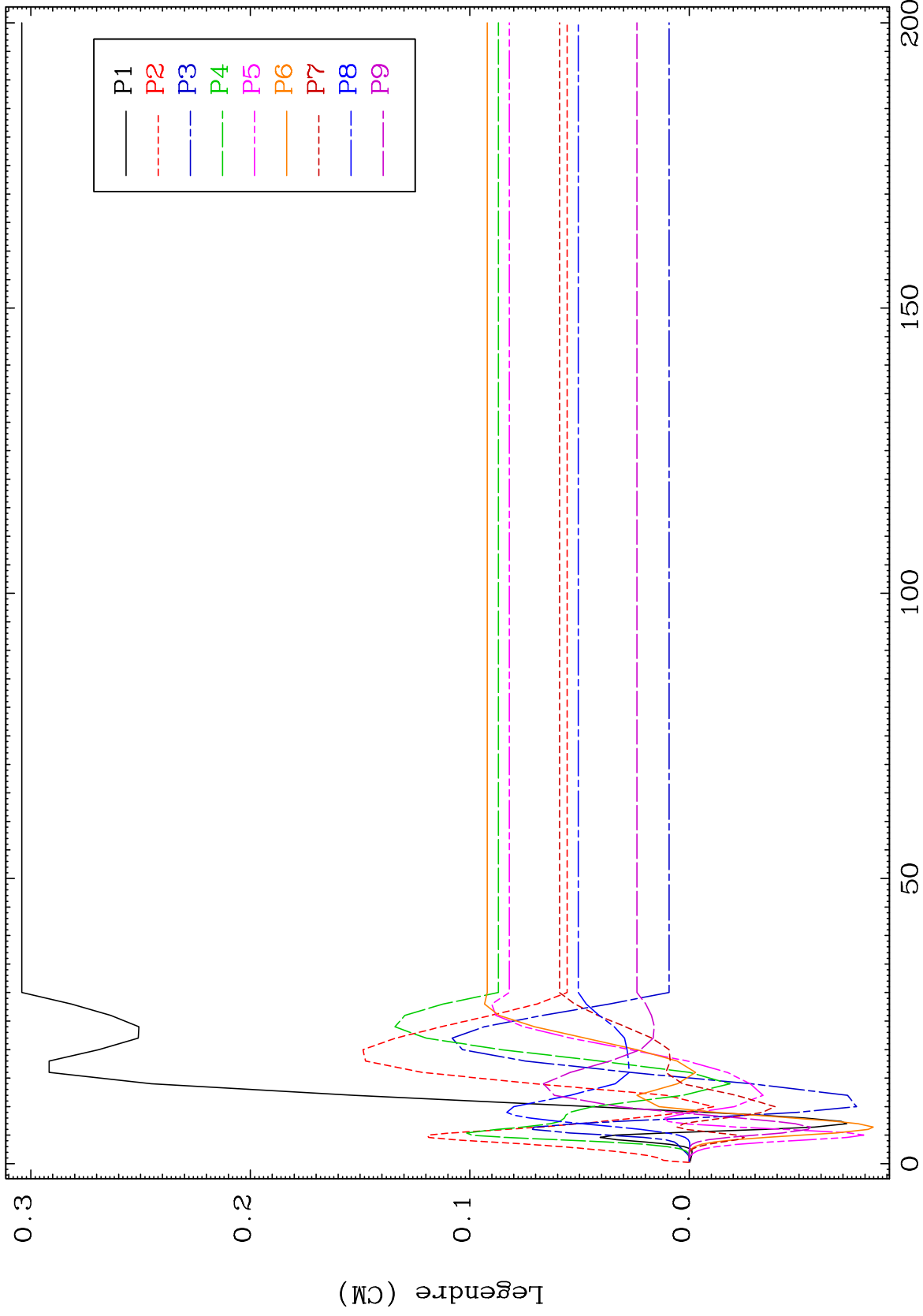
40



MAT 6889

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

69-Tm-157



42

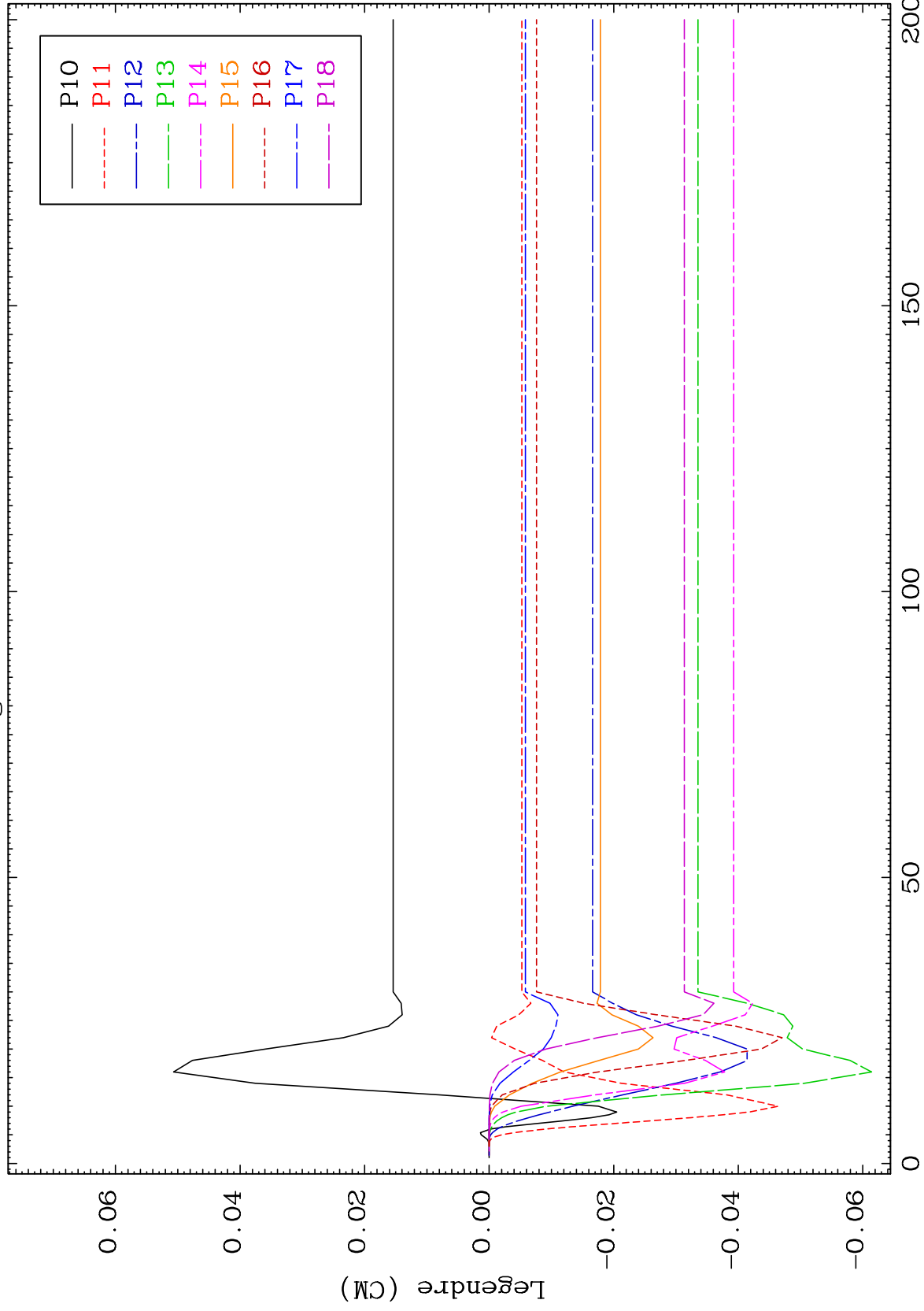
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



43

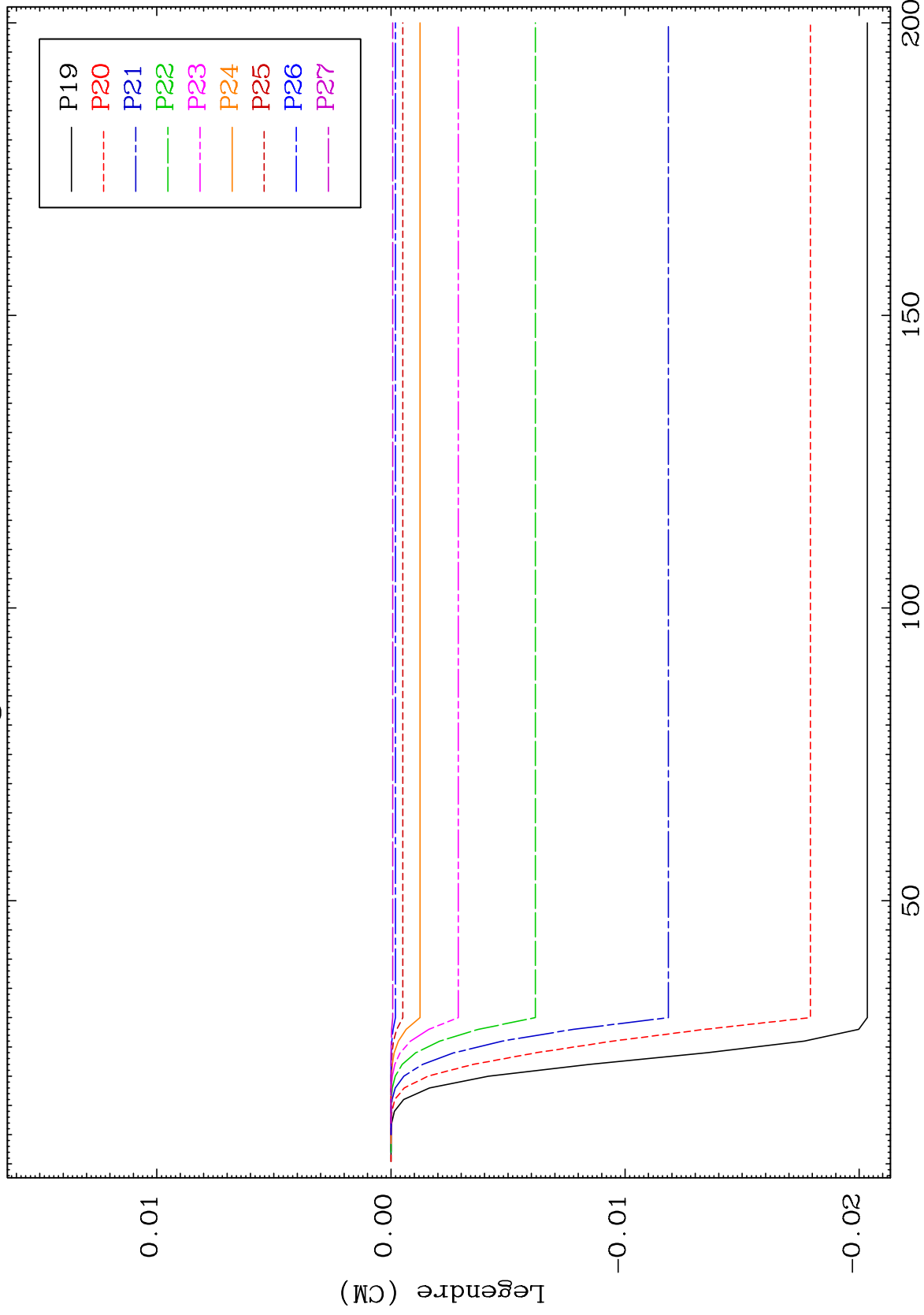
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

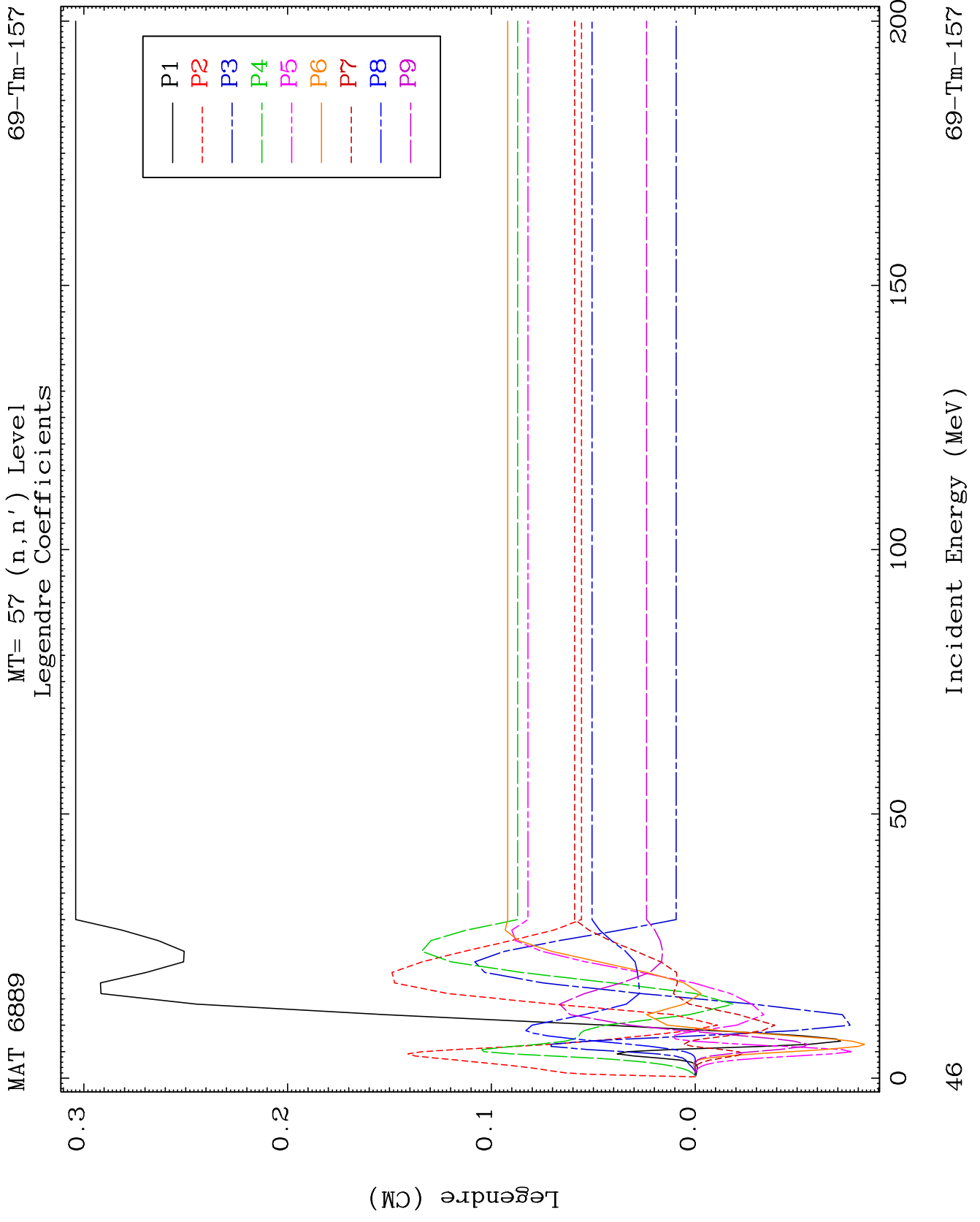
69-Tm-157



44

Incident Energy (MeV)

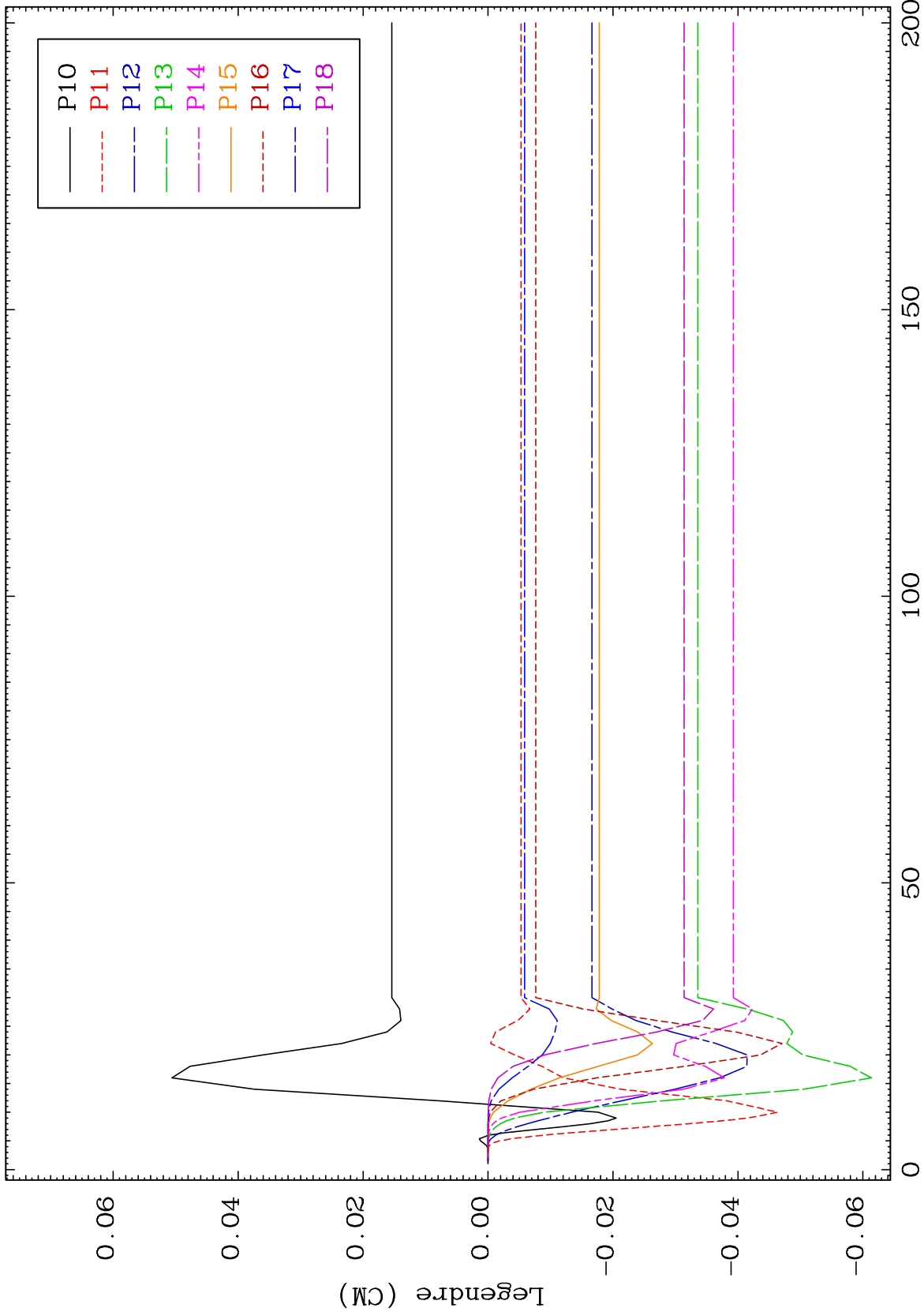
69-Tm-157



MAT 6889

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

69-Tm-157



47

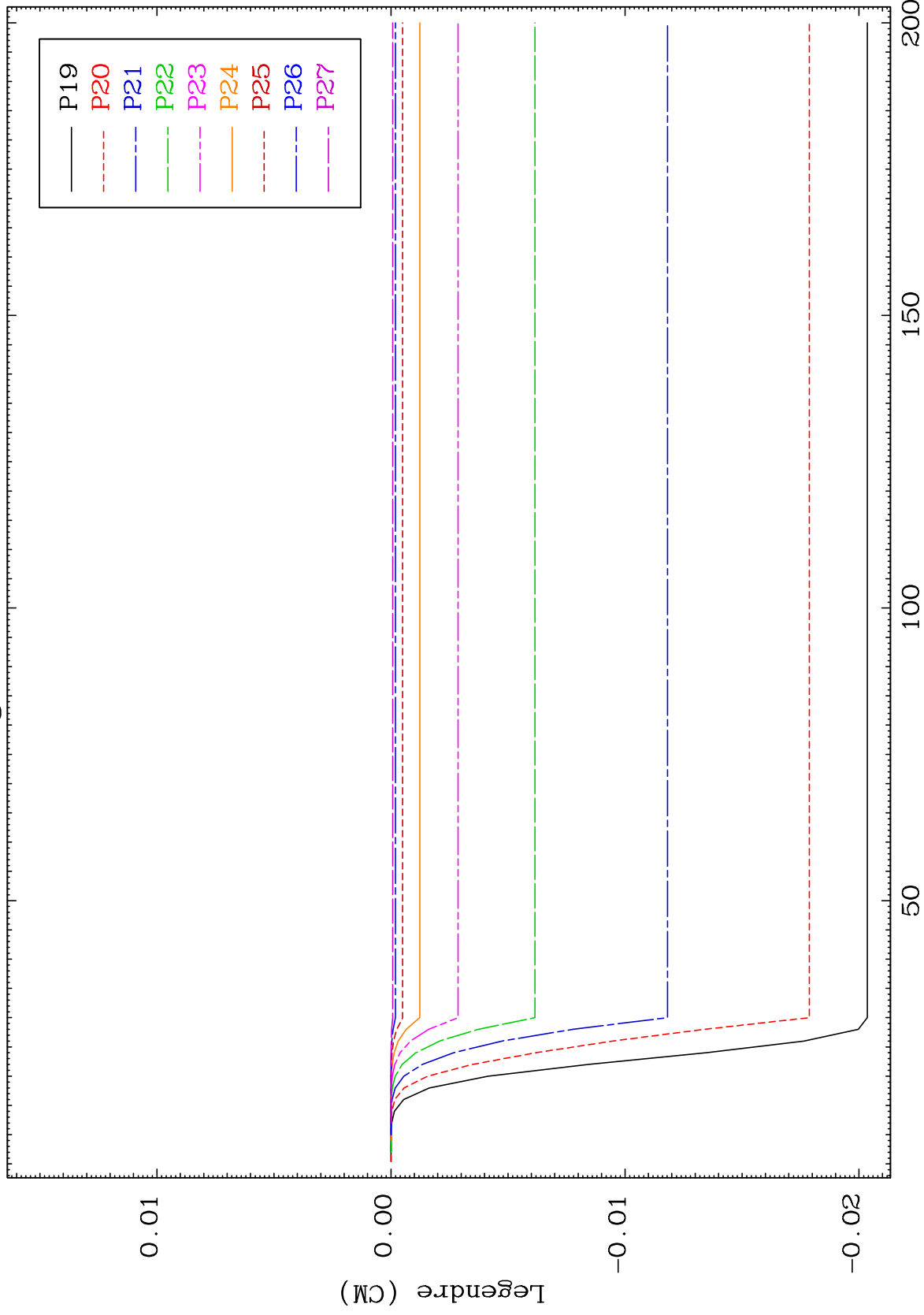
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

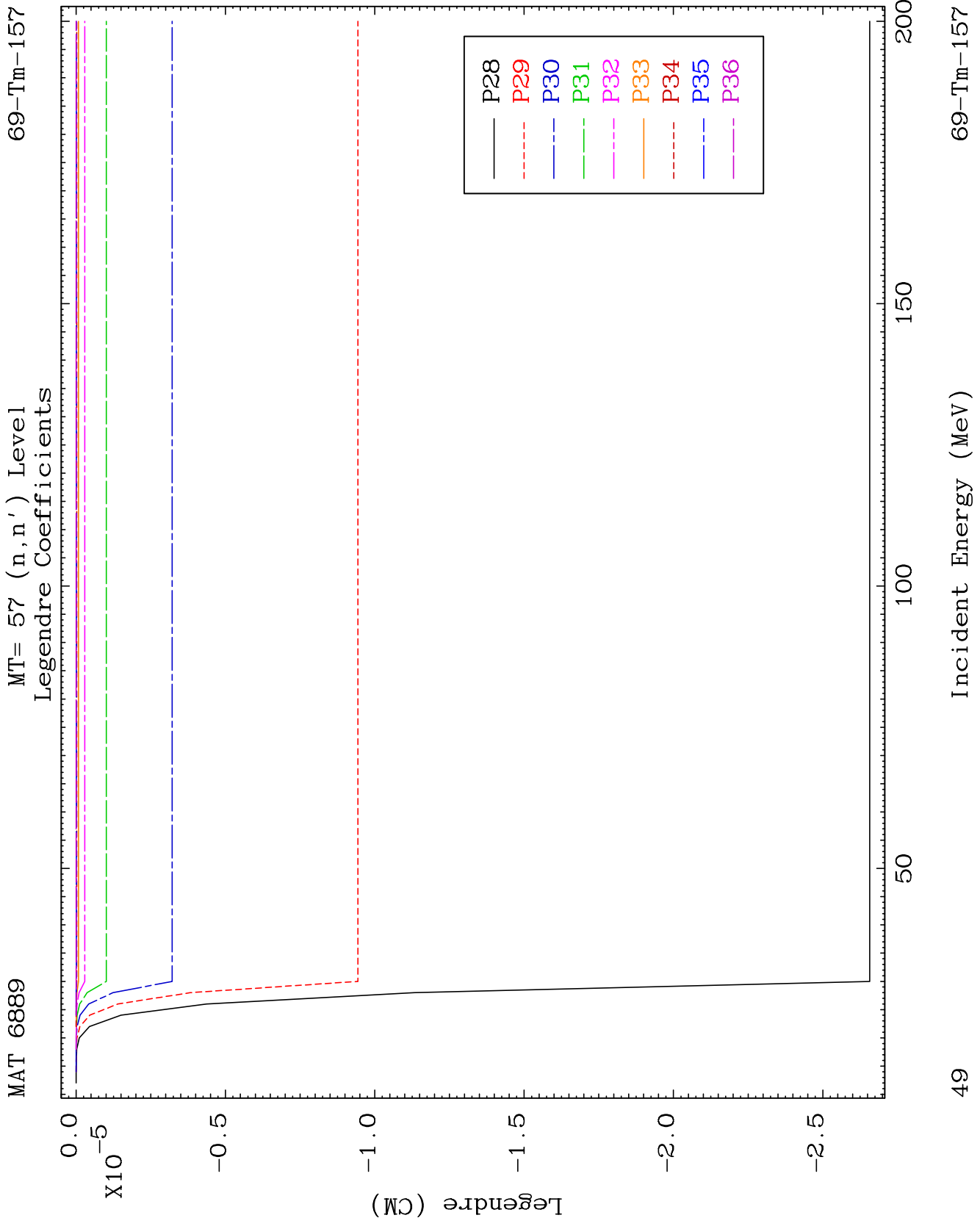
69-Tm-157



48

Incident Energy (MeV)

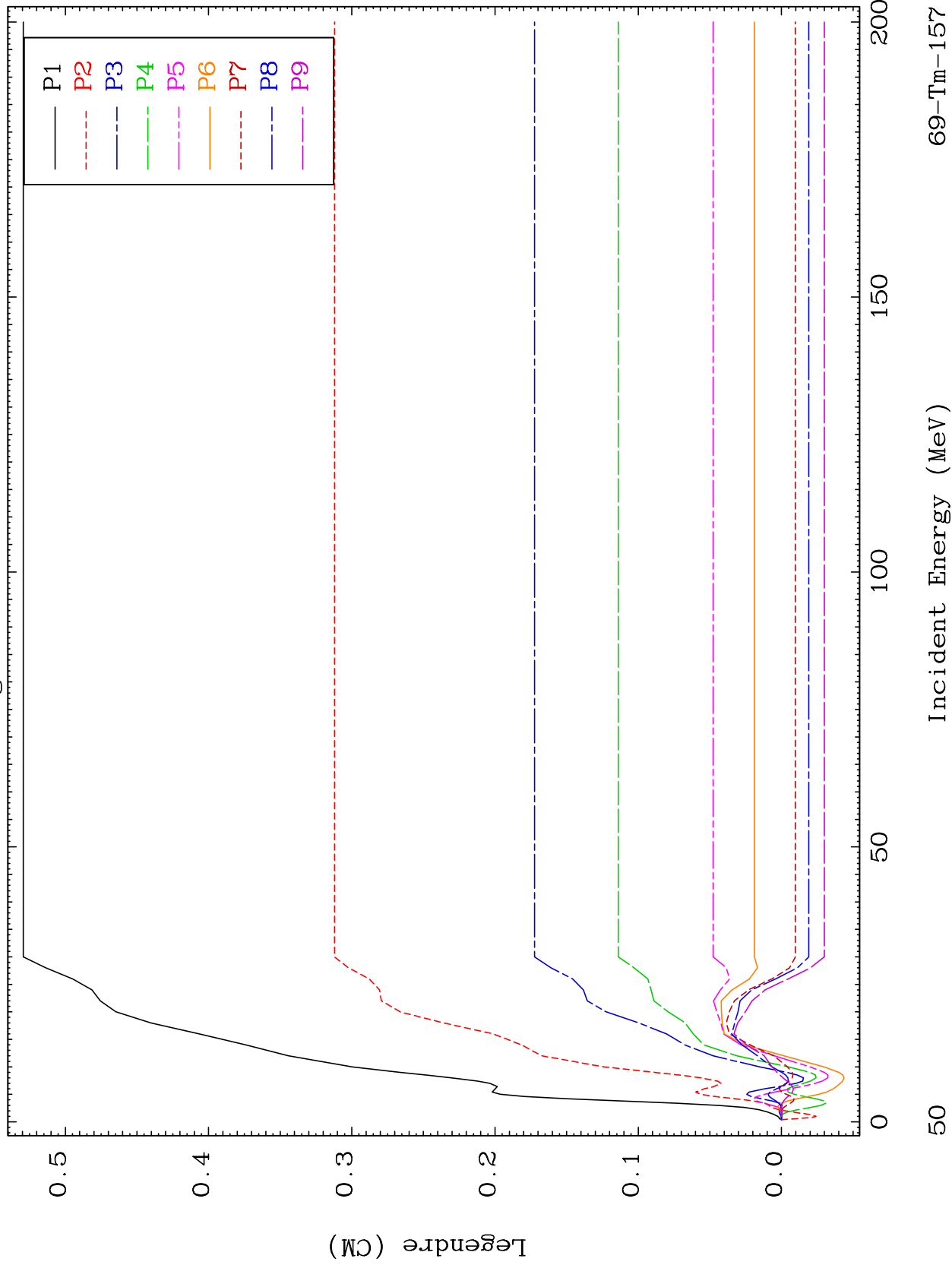
69-Tm-157



MAT 6889

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

69-Tm-157



69-Tm-157

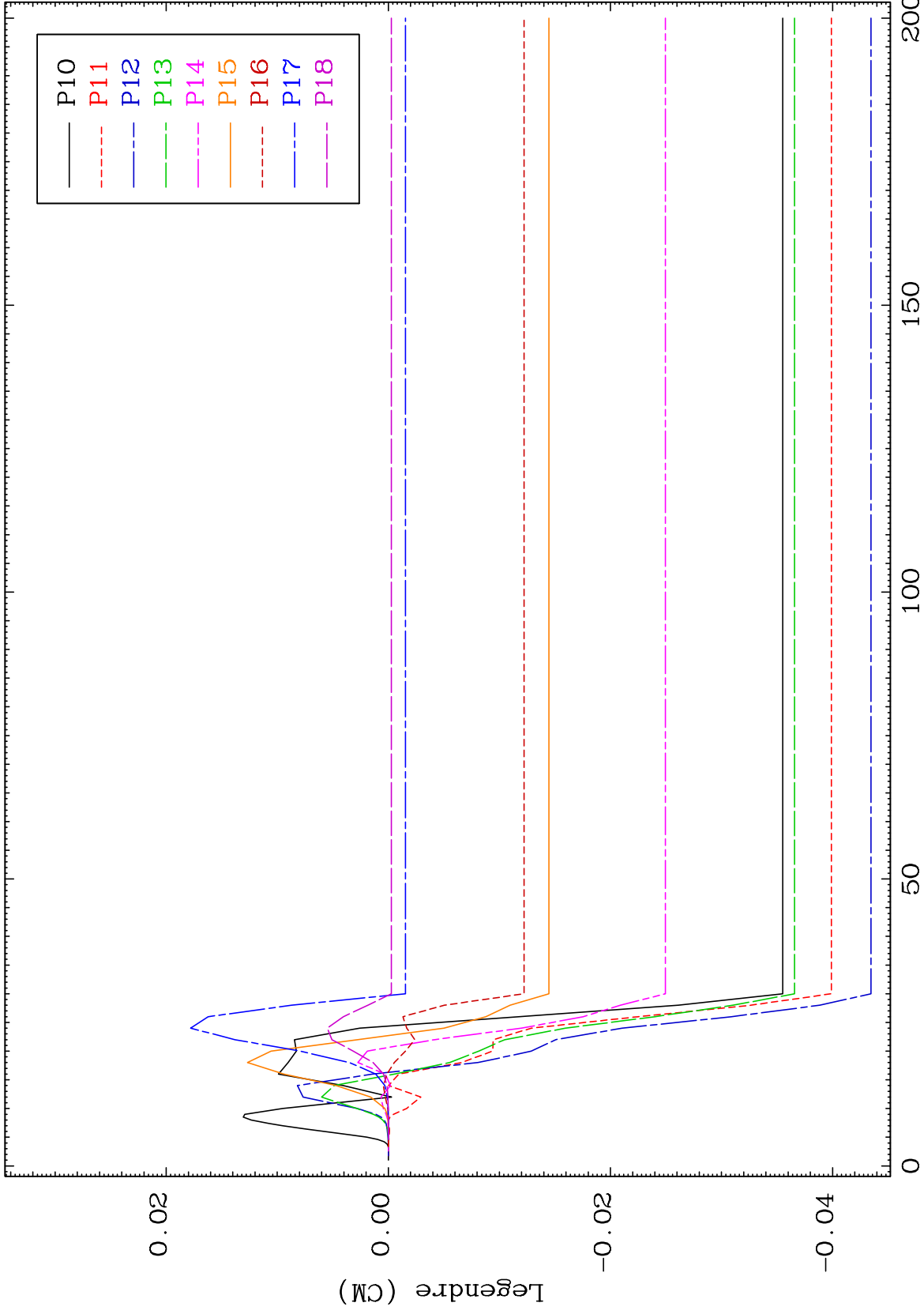
Incident Energy (MeV)

50

MAT 6889

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

69-Tm-157



51

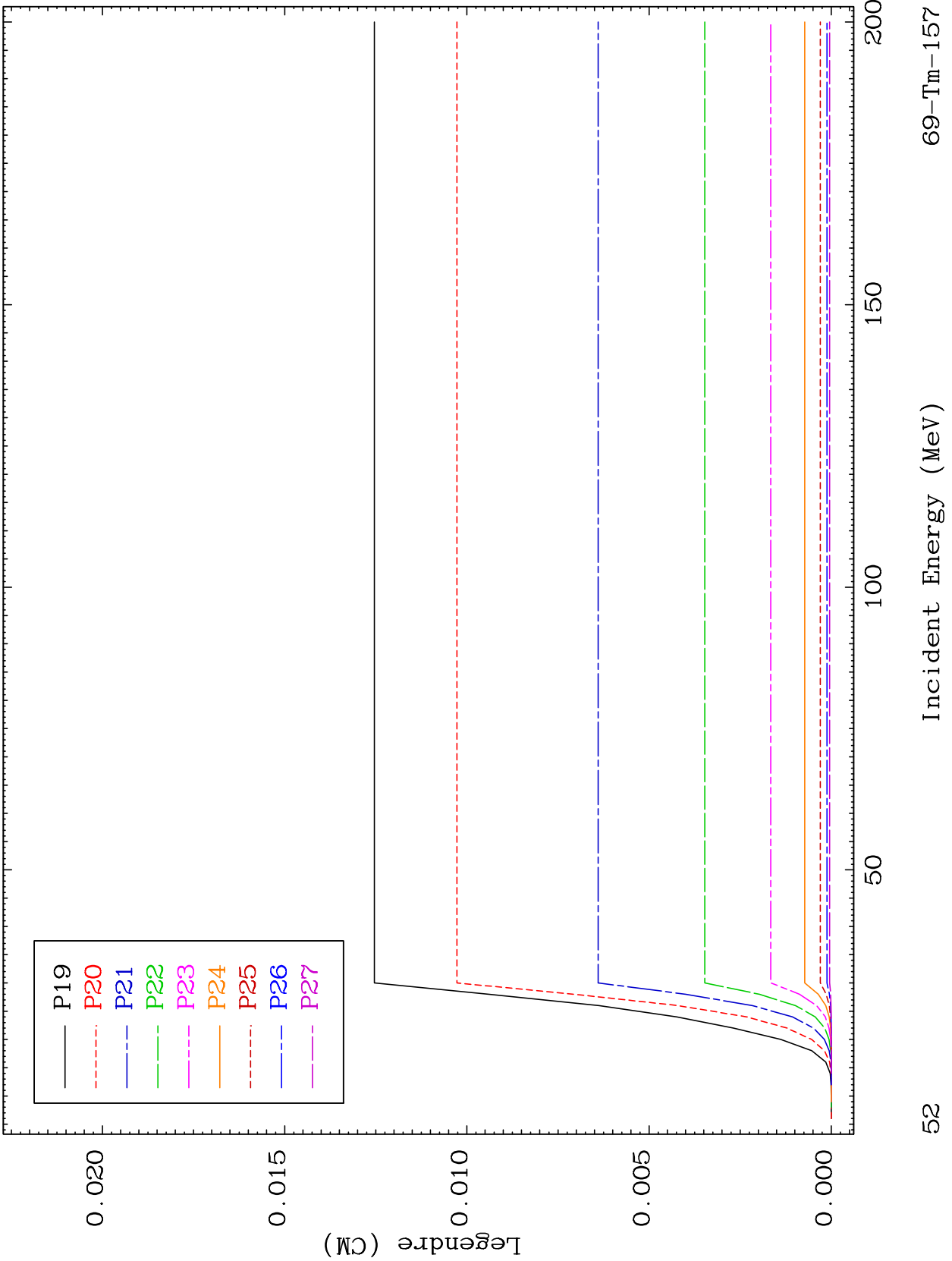
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

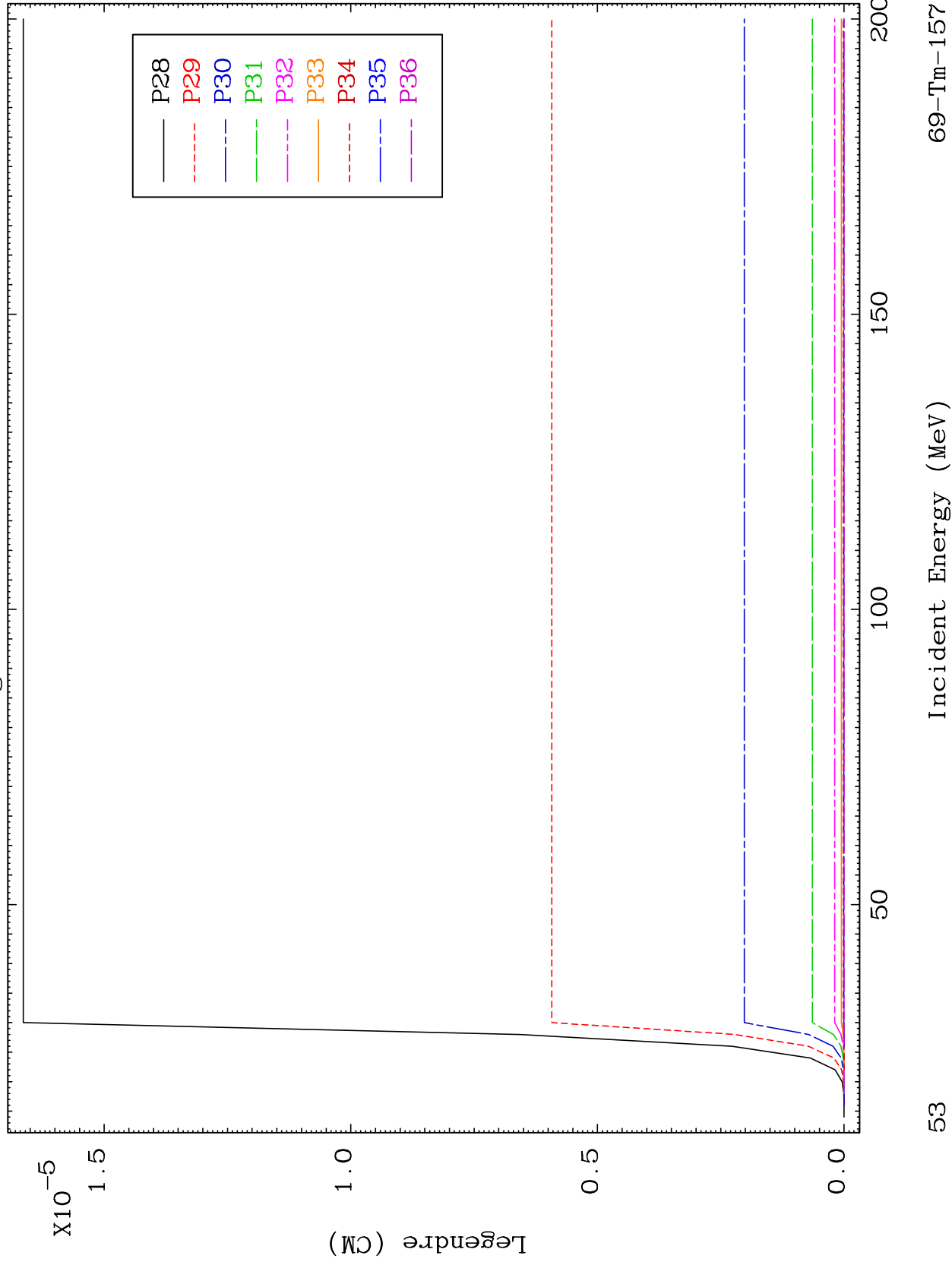
69-Tm-157



MAT 6889

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

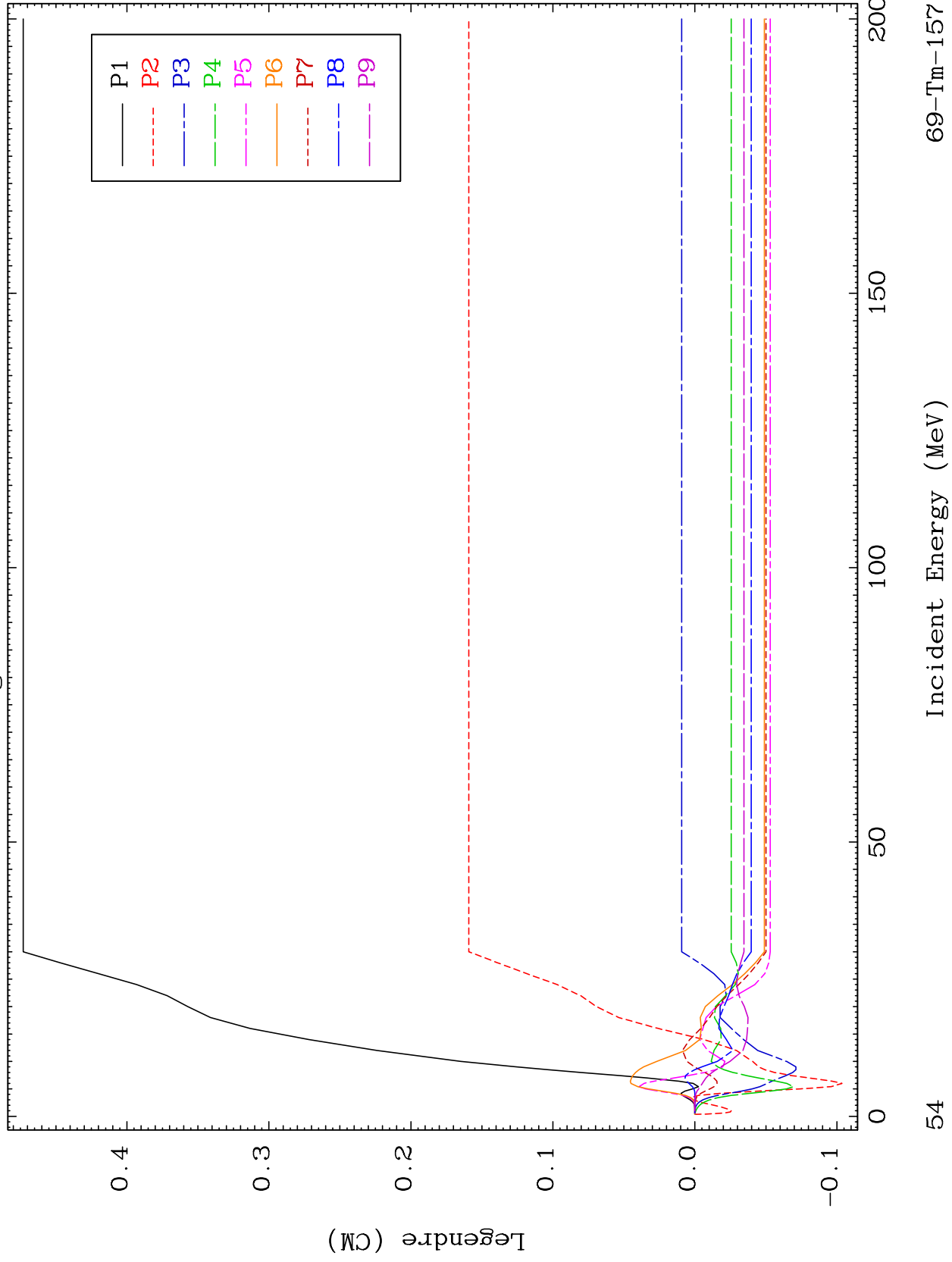
69-Tm-157



MAT 6889

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

69-Tm-157



69-Tm-157

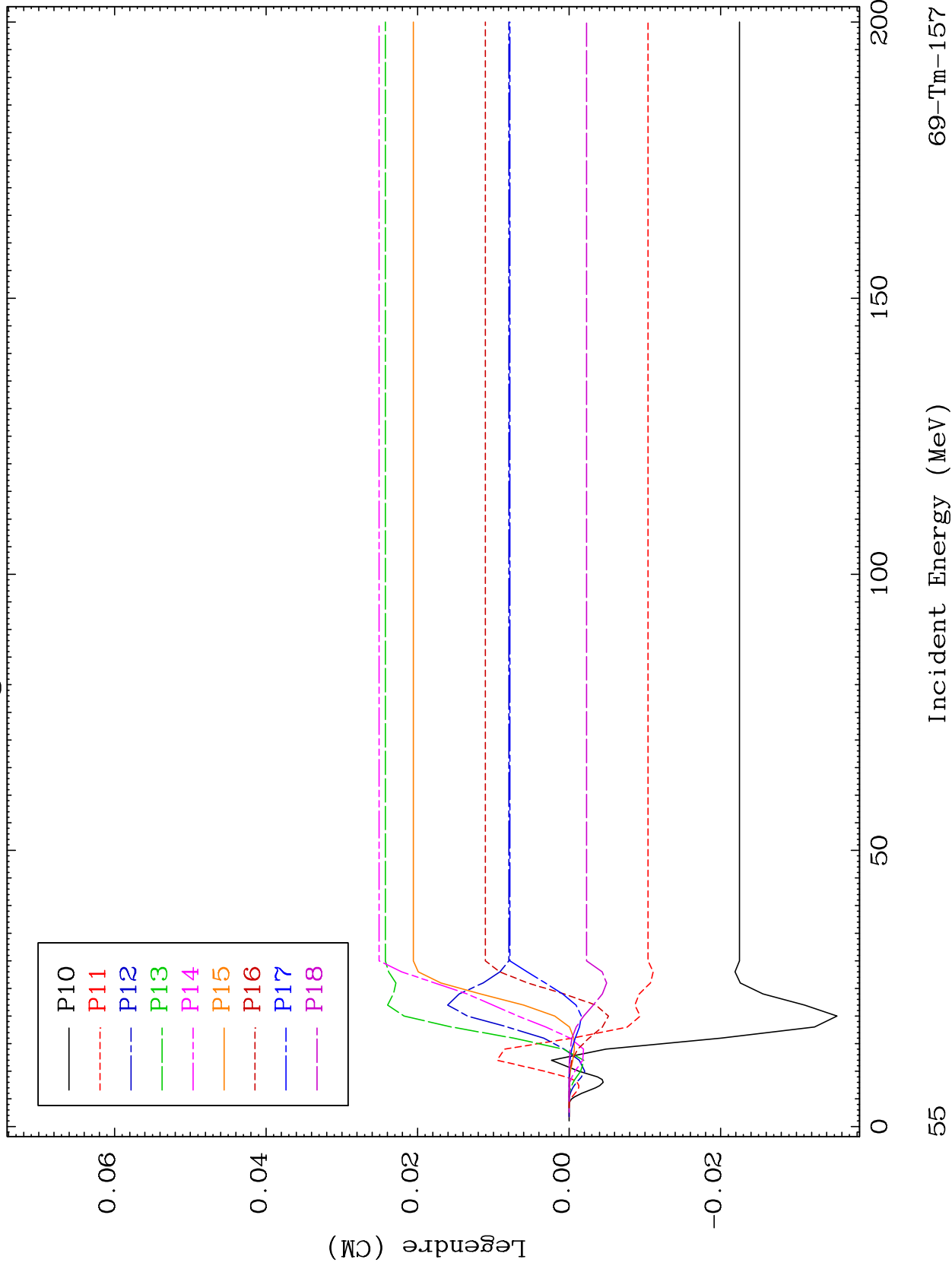
Incident Energy (MeV)

54

MAT 6889

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

69-Tm-157



69-Tm-157

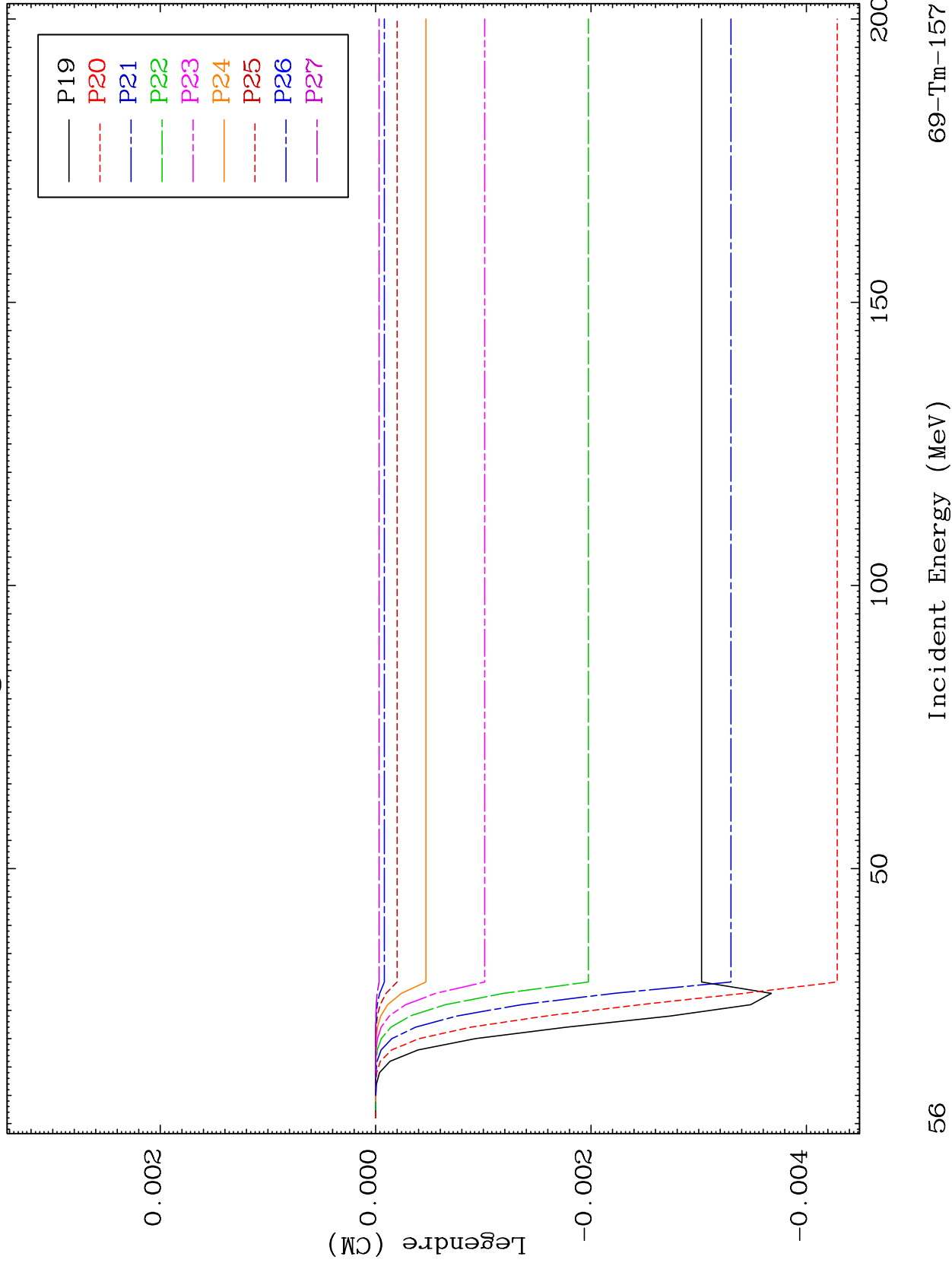
Incident Energy (MeV)

55

MAT 6889

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

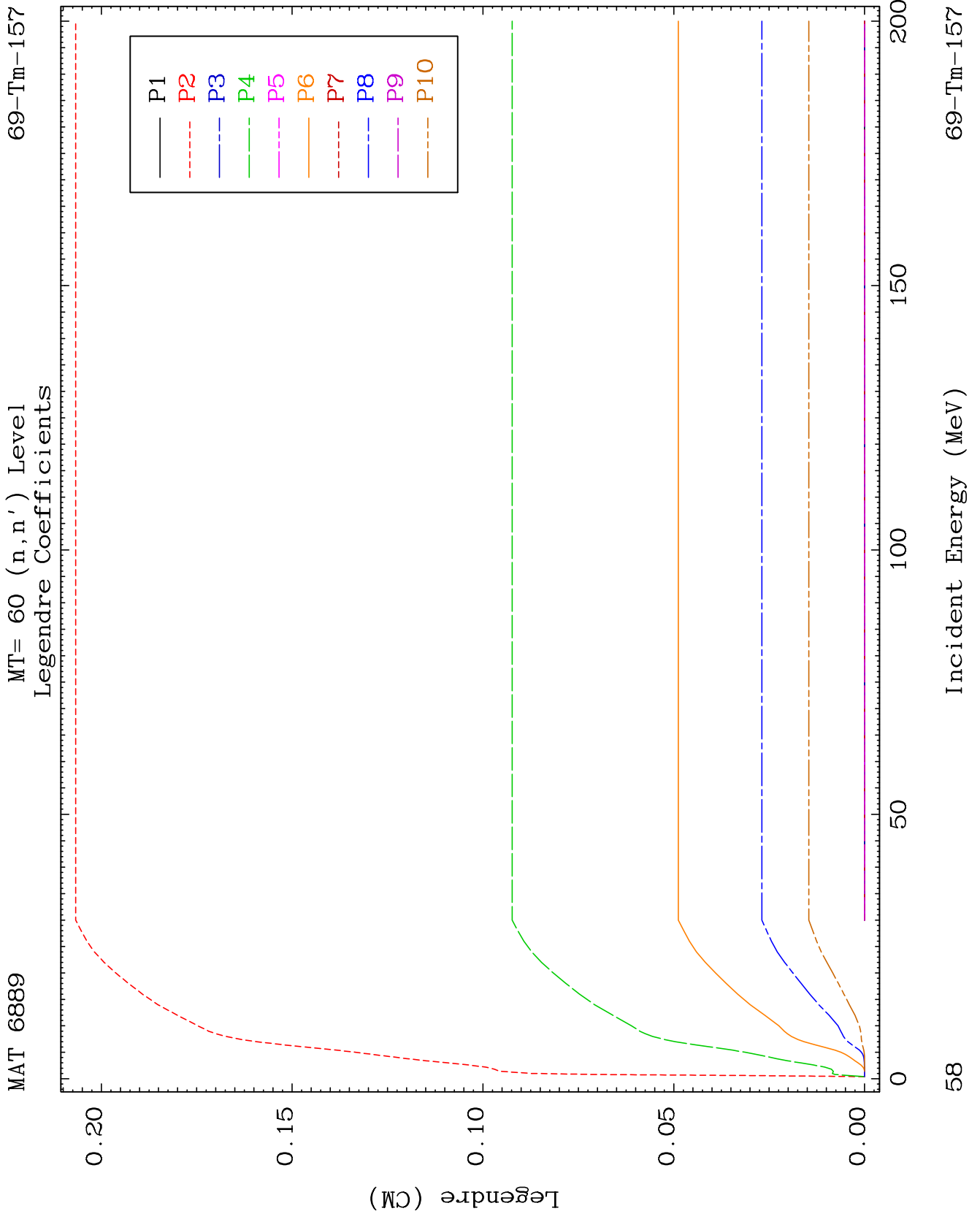
69-Tm-157

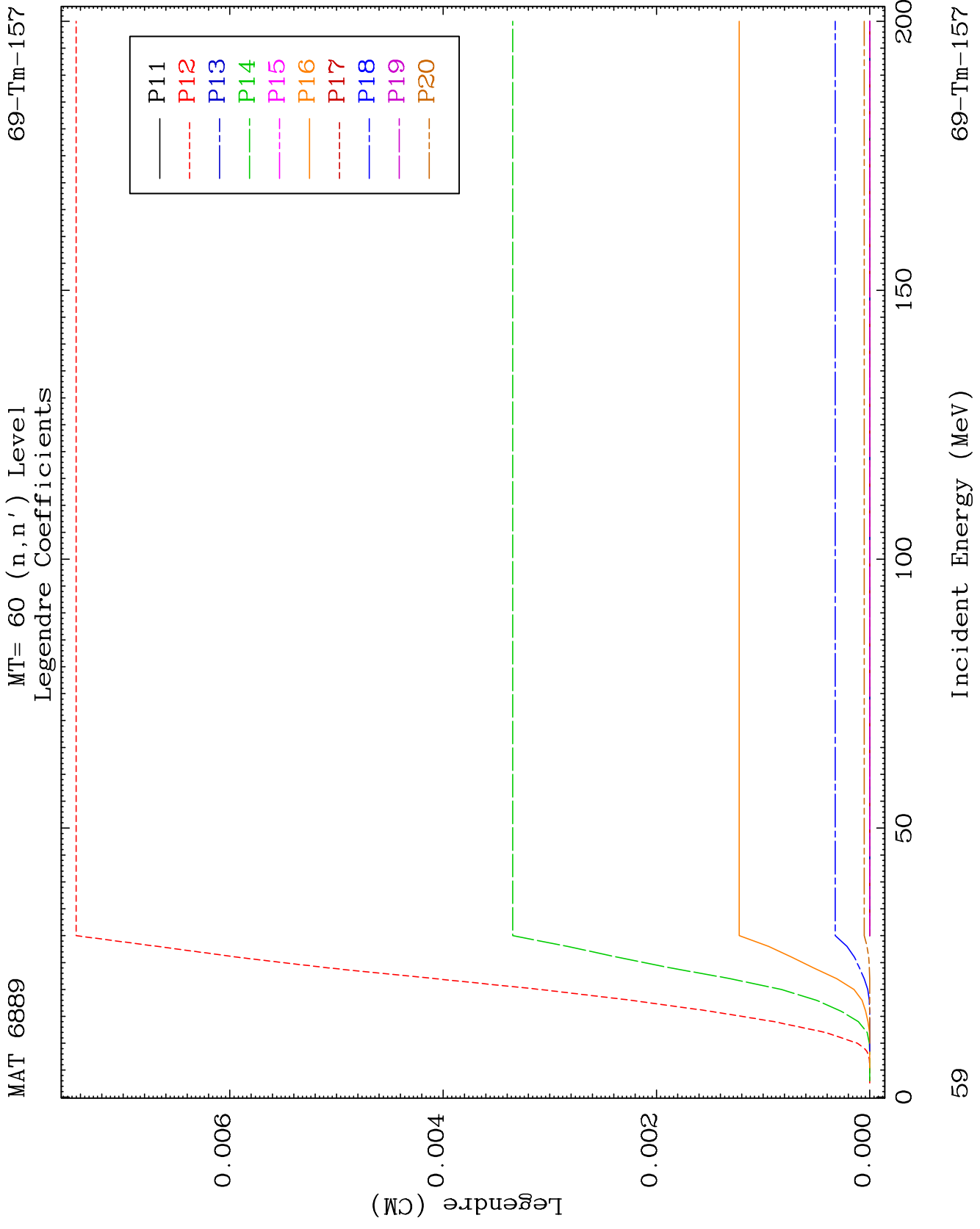


56

Incident Energy (MeV)

69-Tm-157

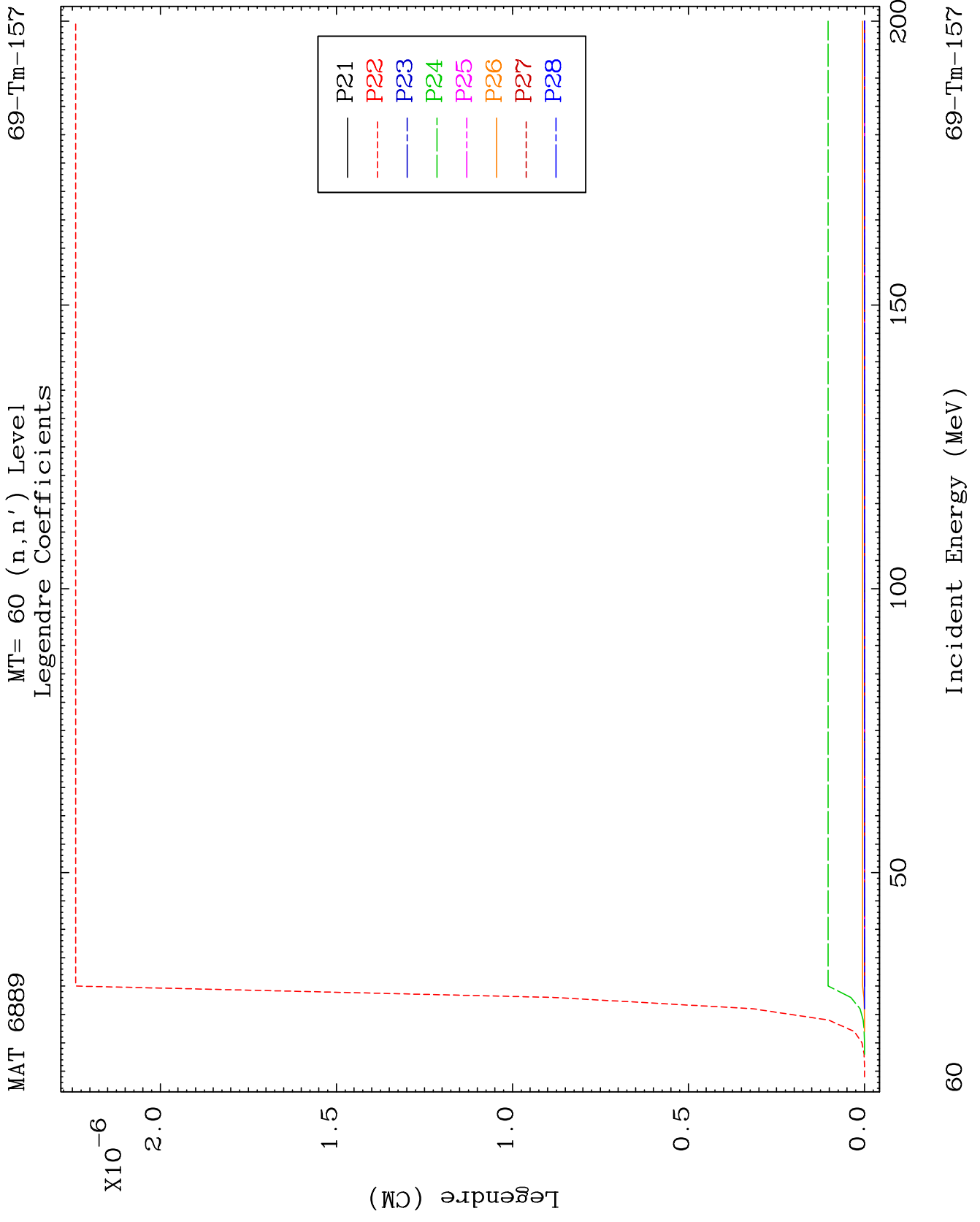




69-Tm-157

Incident Energy (MeV)

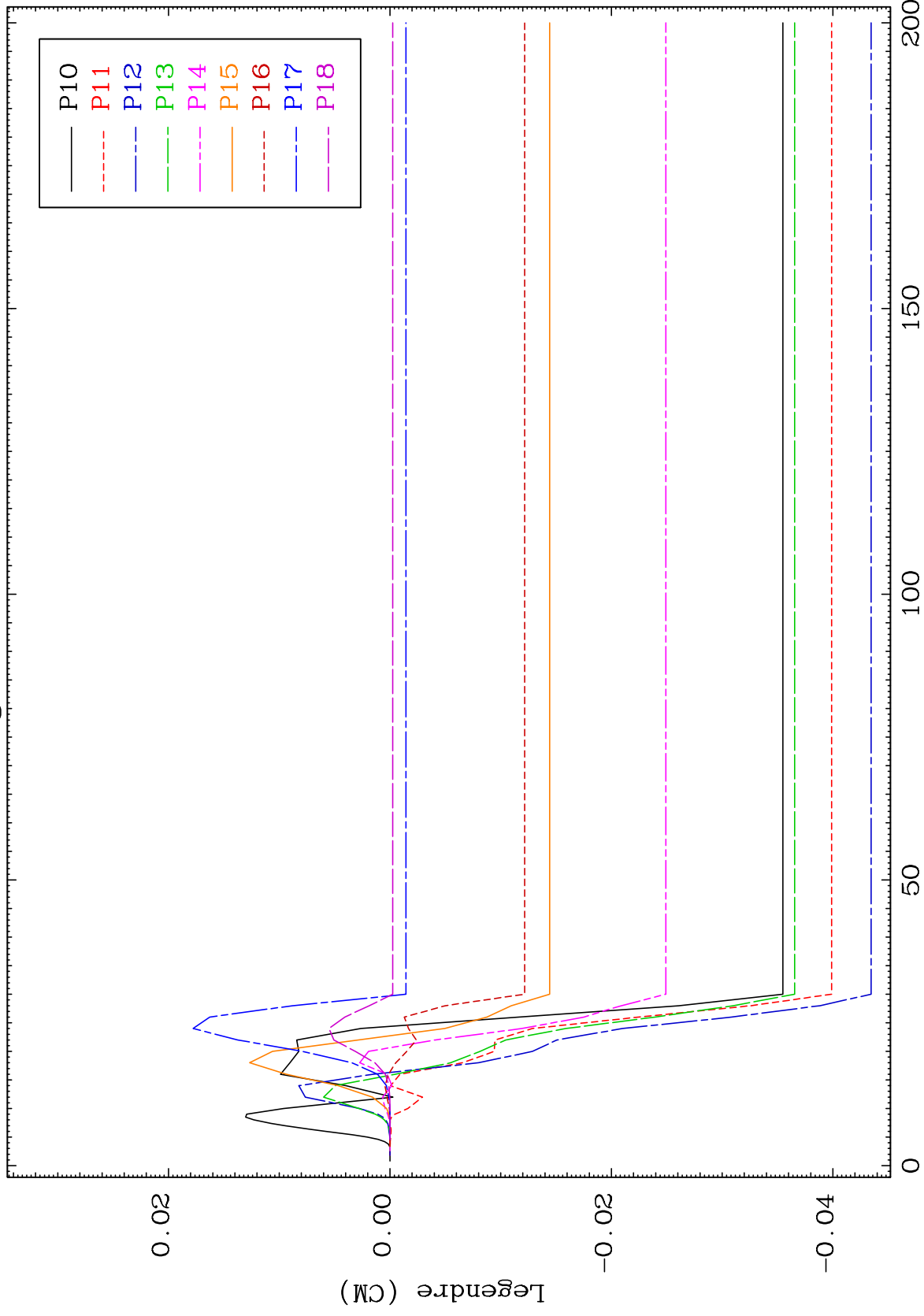
59



MAT 6889

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

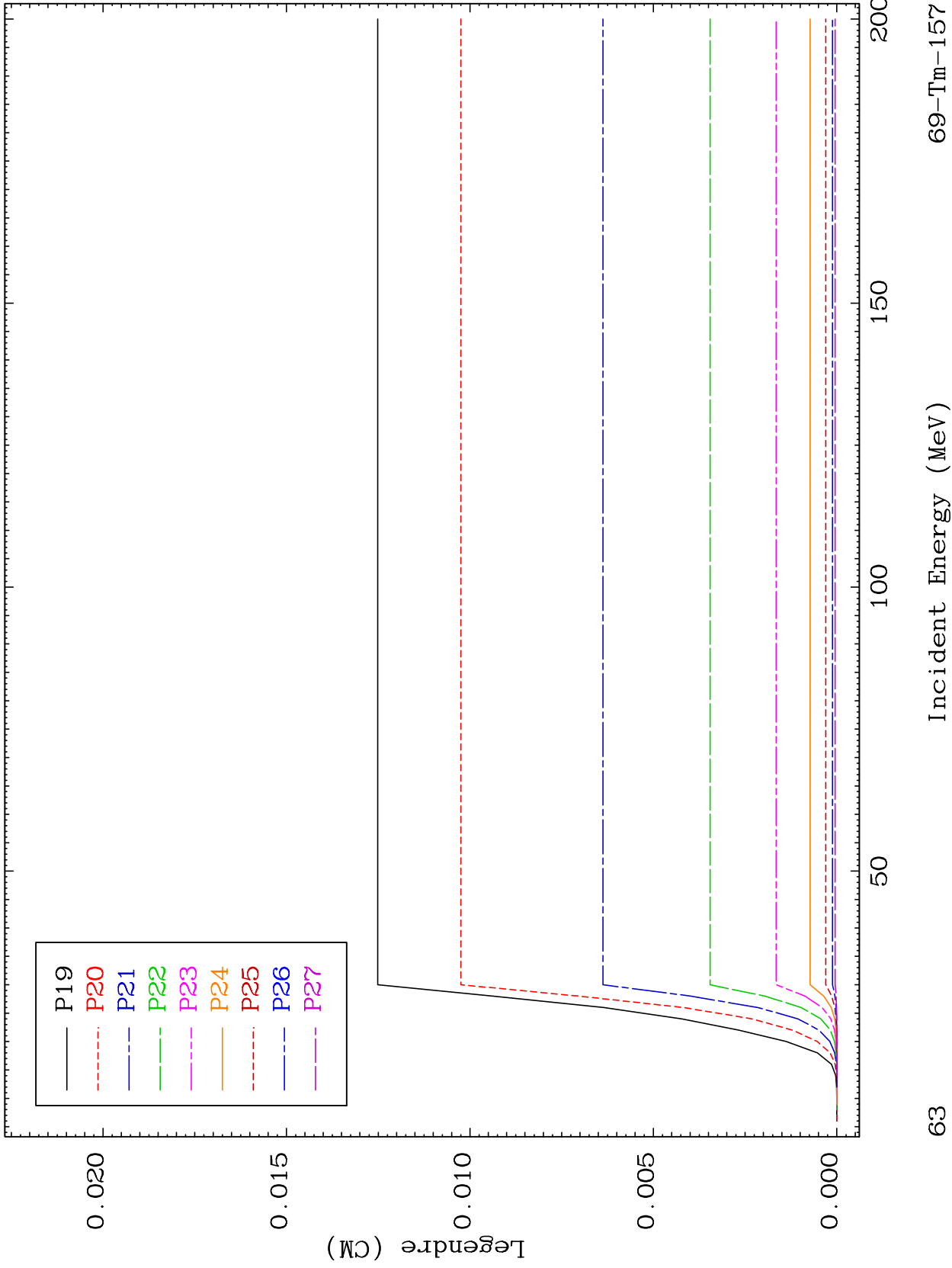
69-Tm-157



62

Incident Energy (MeV)

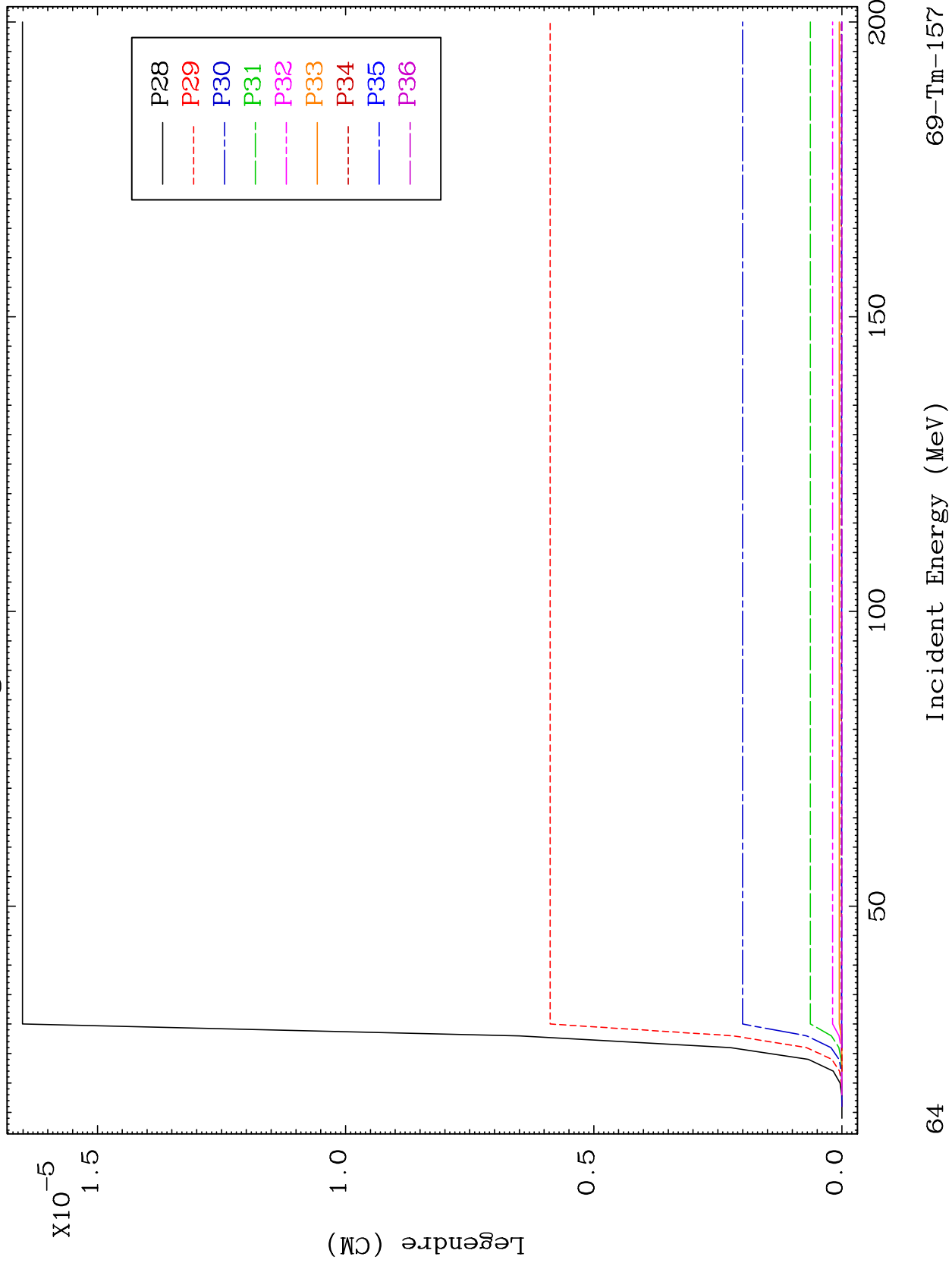
69-Tm-157



MAT 6889

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

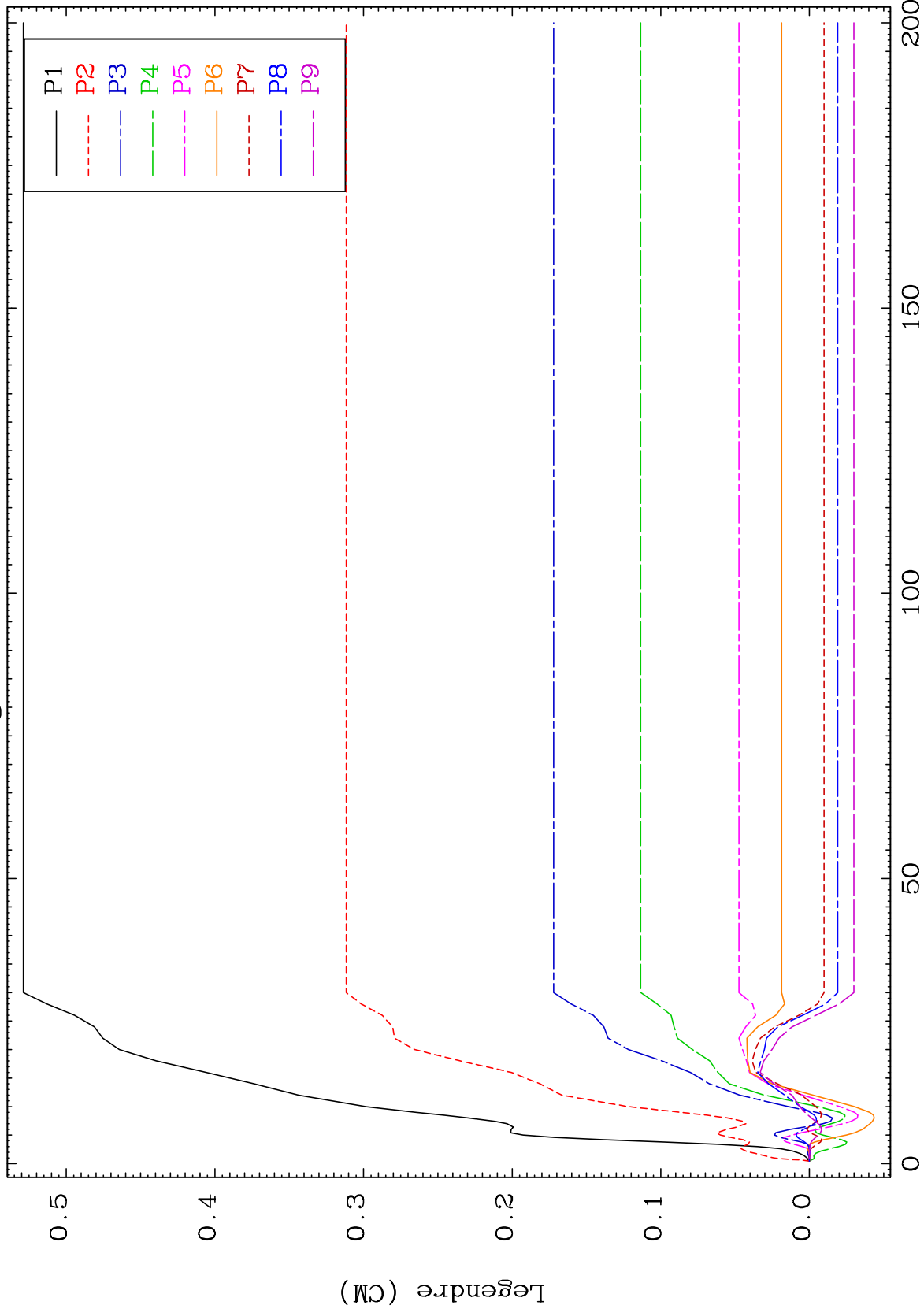
69-Tm-157



MAT 6889

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

69-Tm-157



69-Tm-157

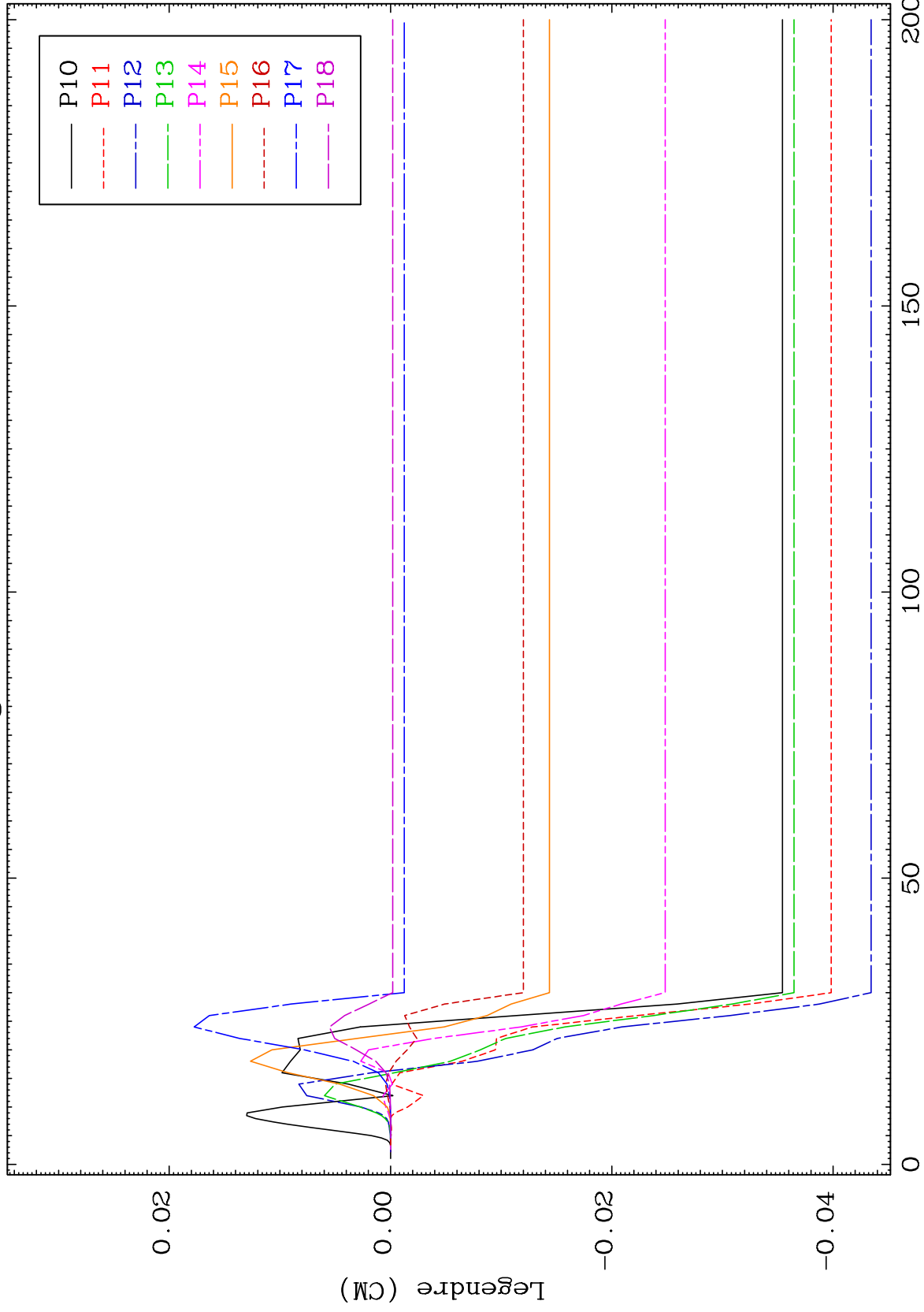
Incident Energy (MeV)

65

MAT 6889

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

69-Tm-157



66

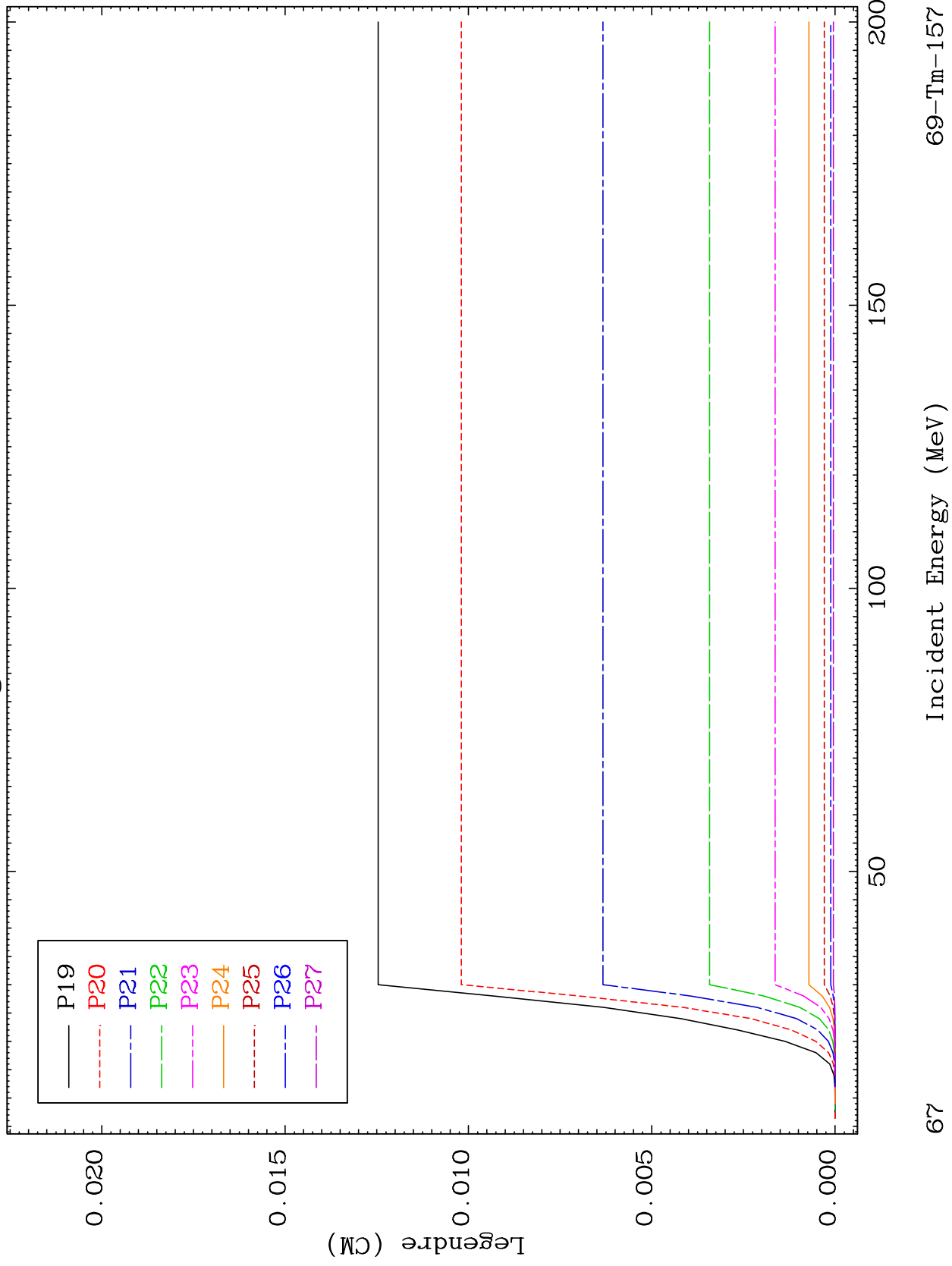
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

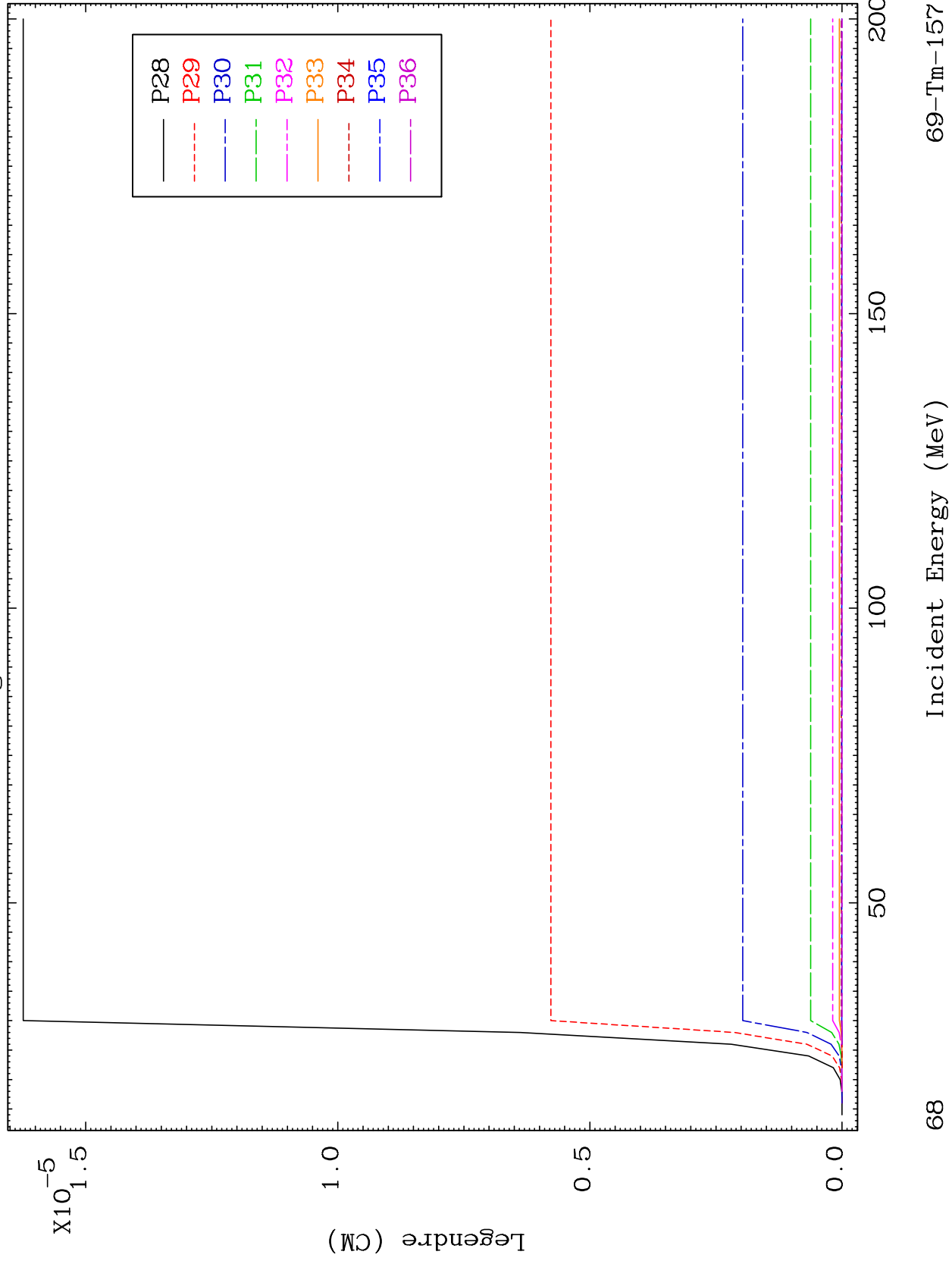
69-Tm-157



MAT 6889

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

69-Tm-157



68

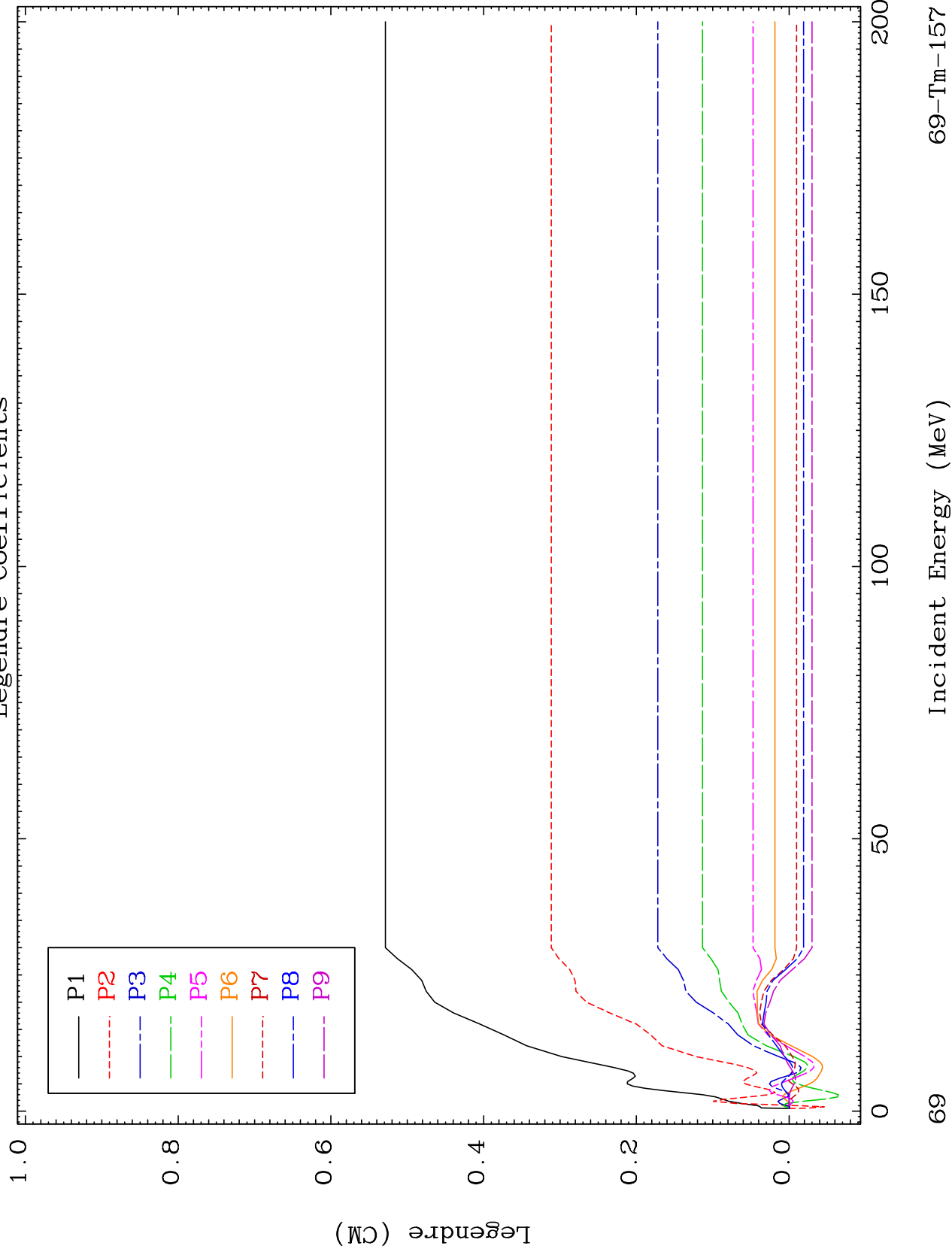
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



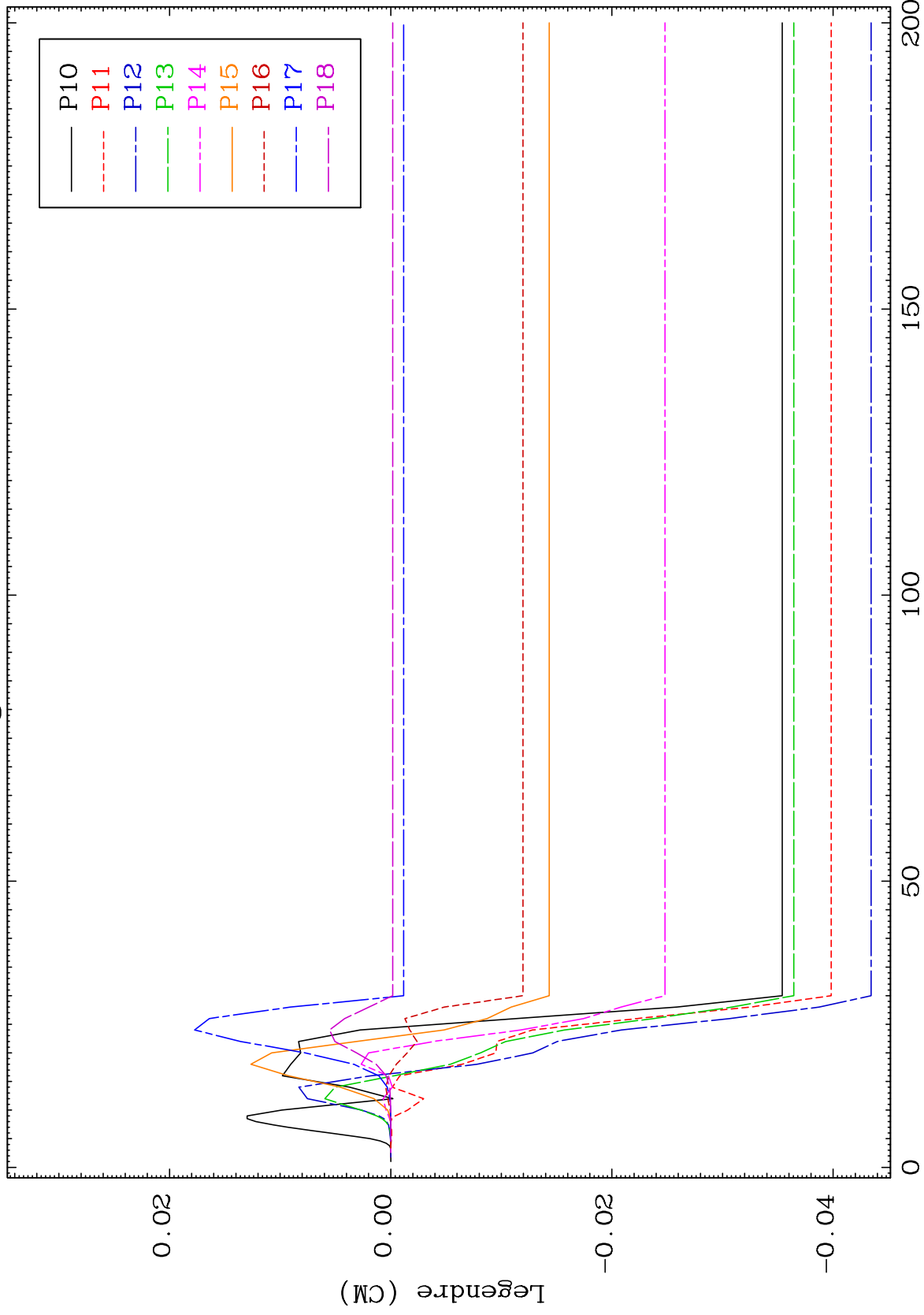
69

69-Tm-157

MAT 6889

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

69-Tm-157



70

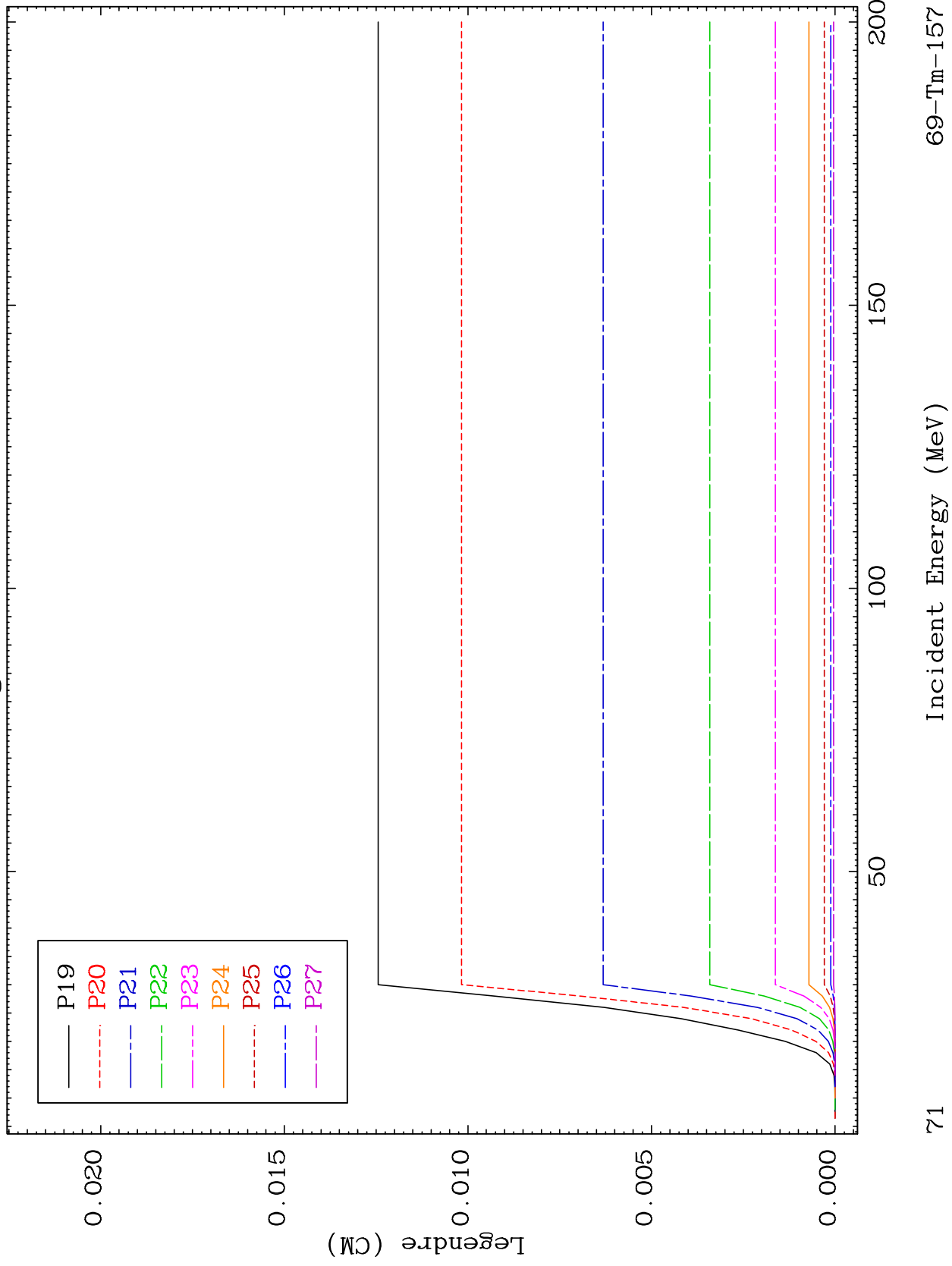
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



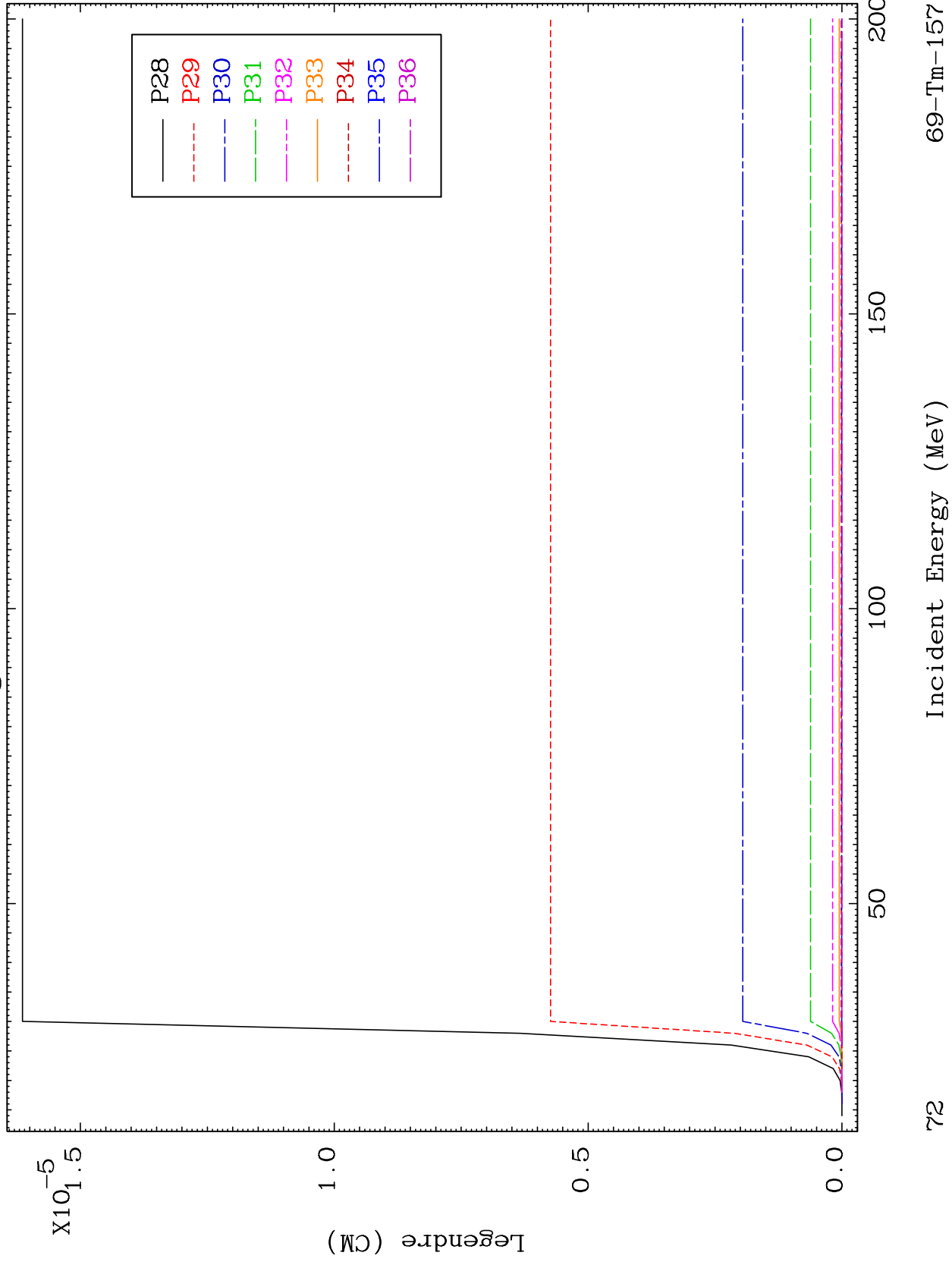
71

69-Tm-157

MAT 6889

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

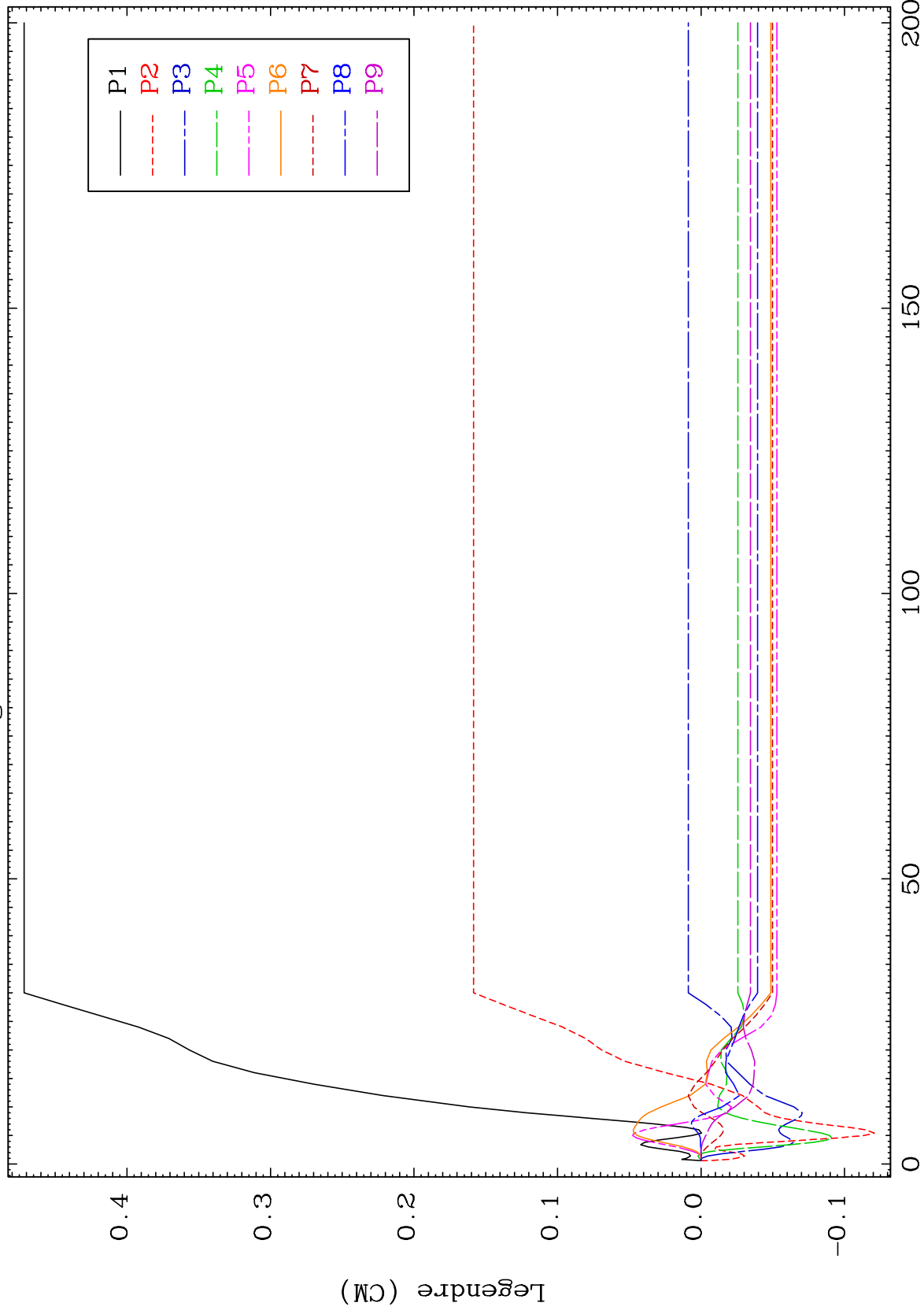
69-Tm-157



MAT 6889

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

69-Tm-157



73

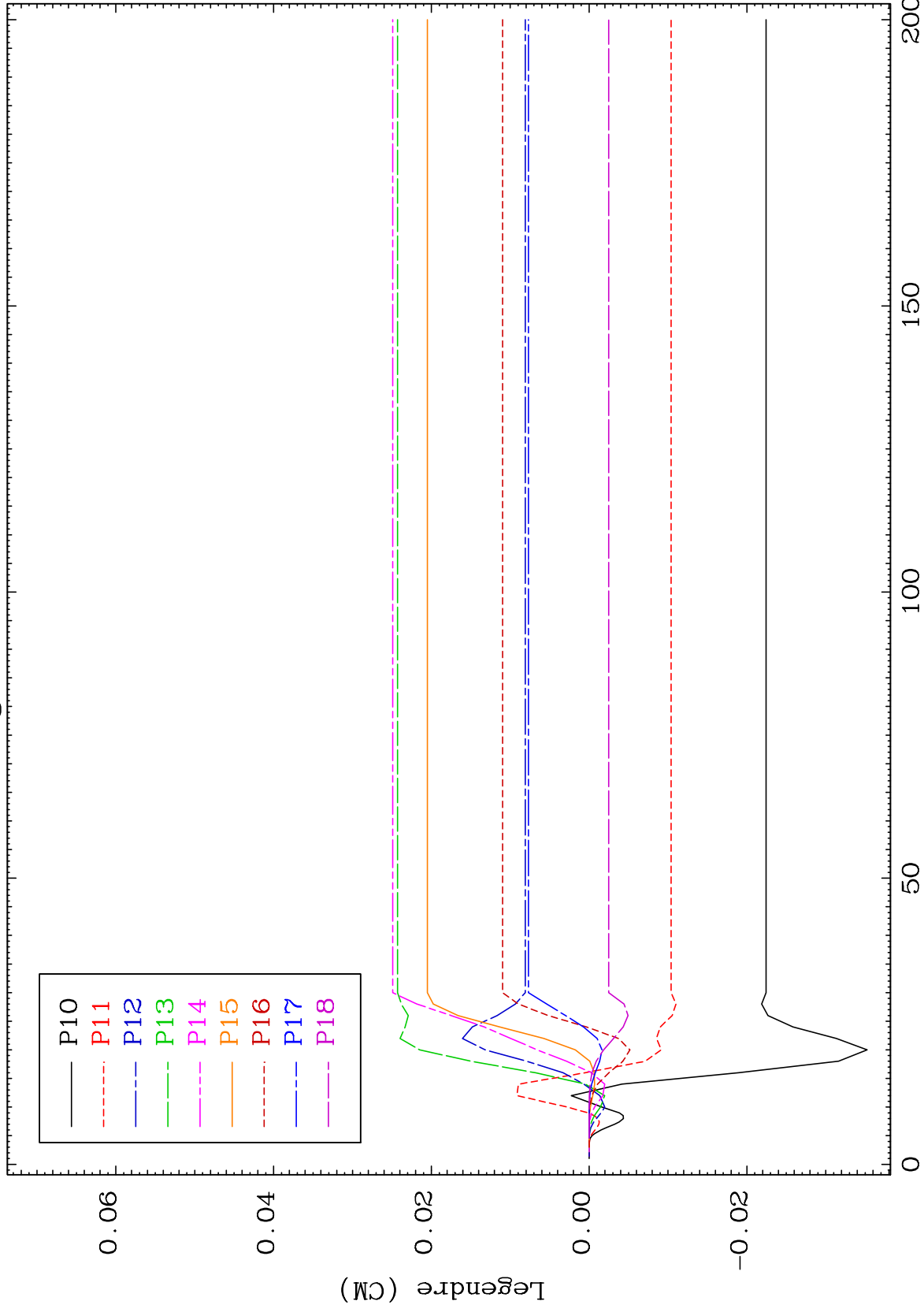
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



74

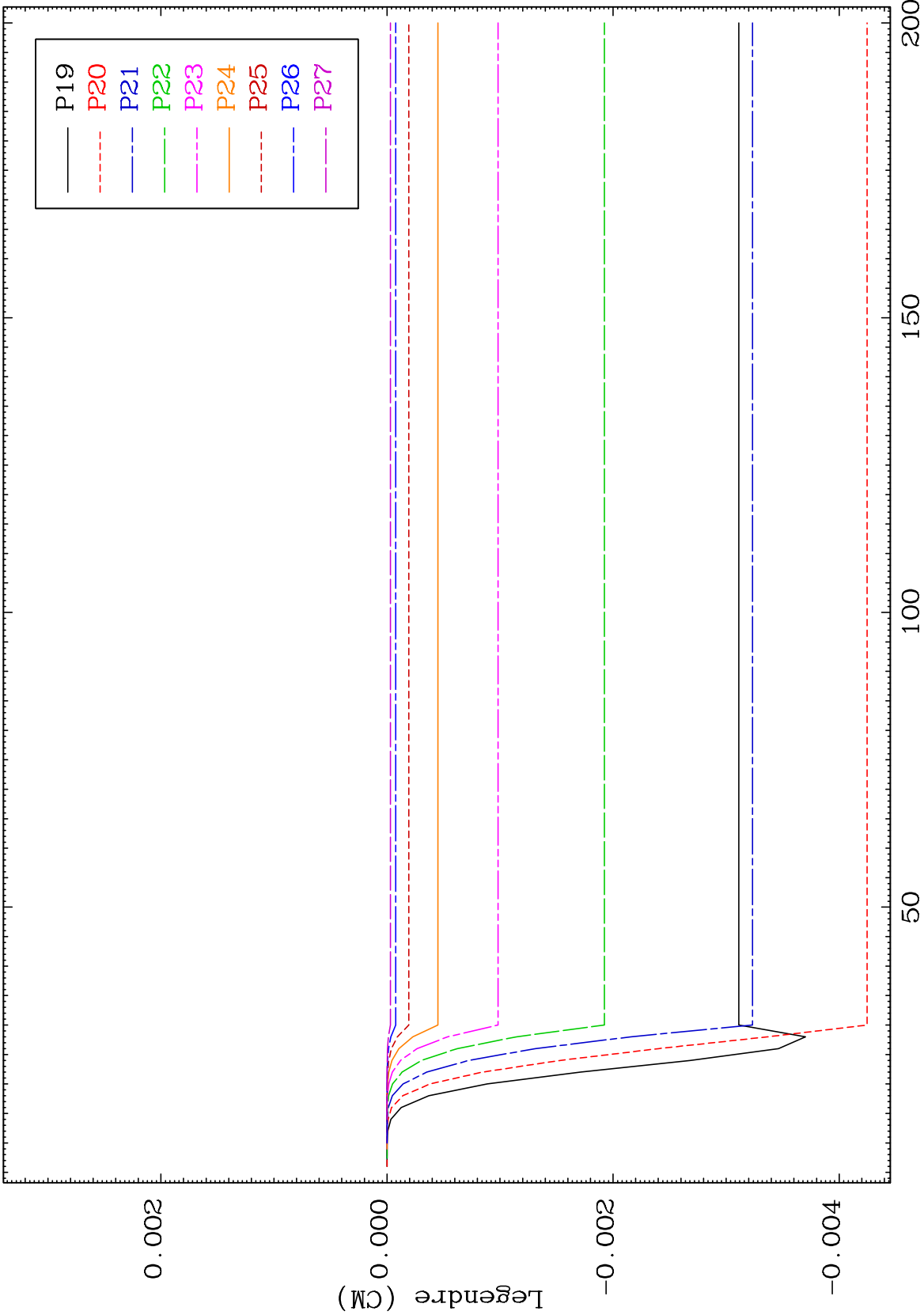
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

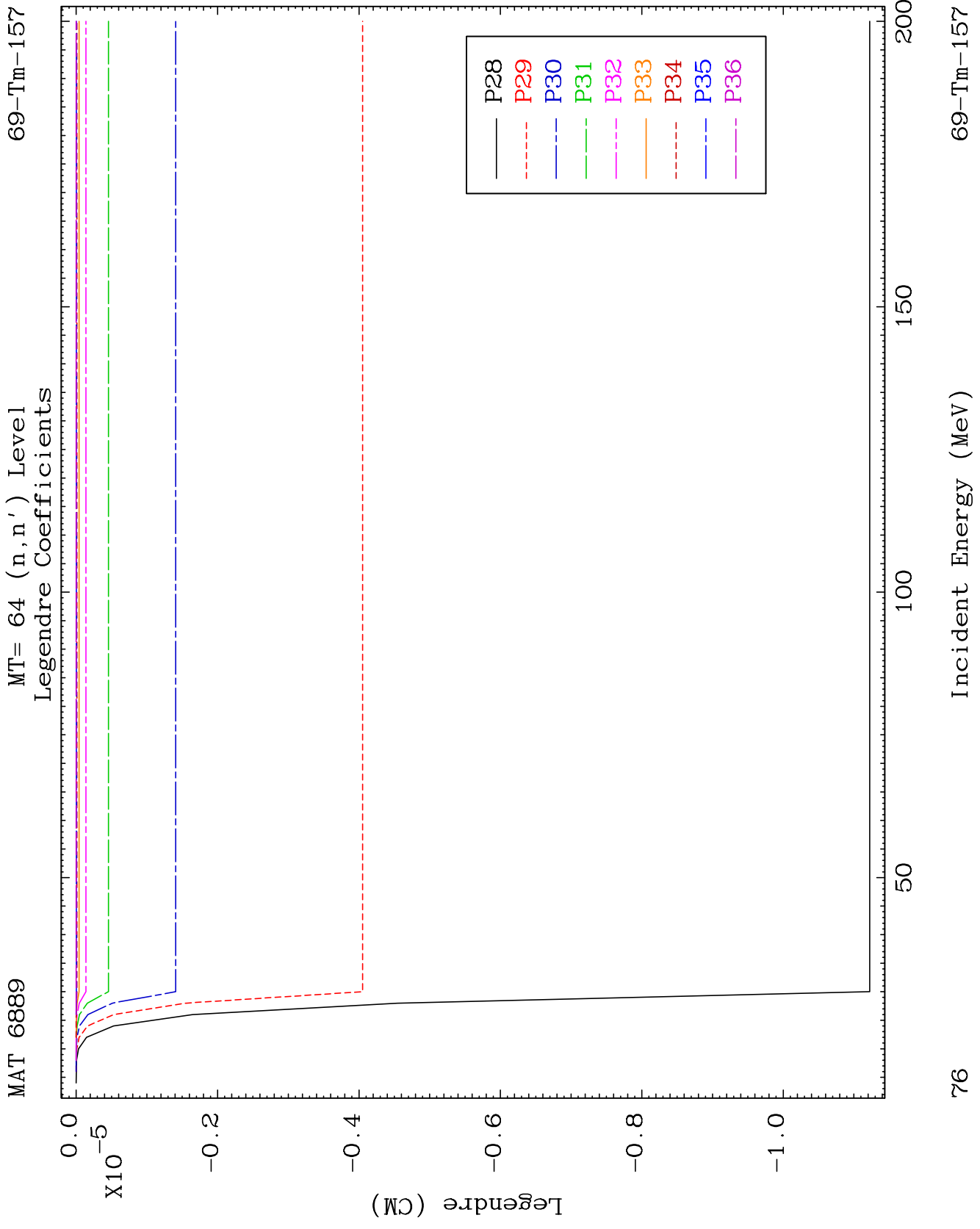
69-Tm-157



75

Incident Energy (MeV)

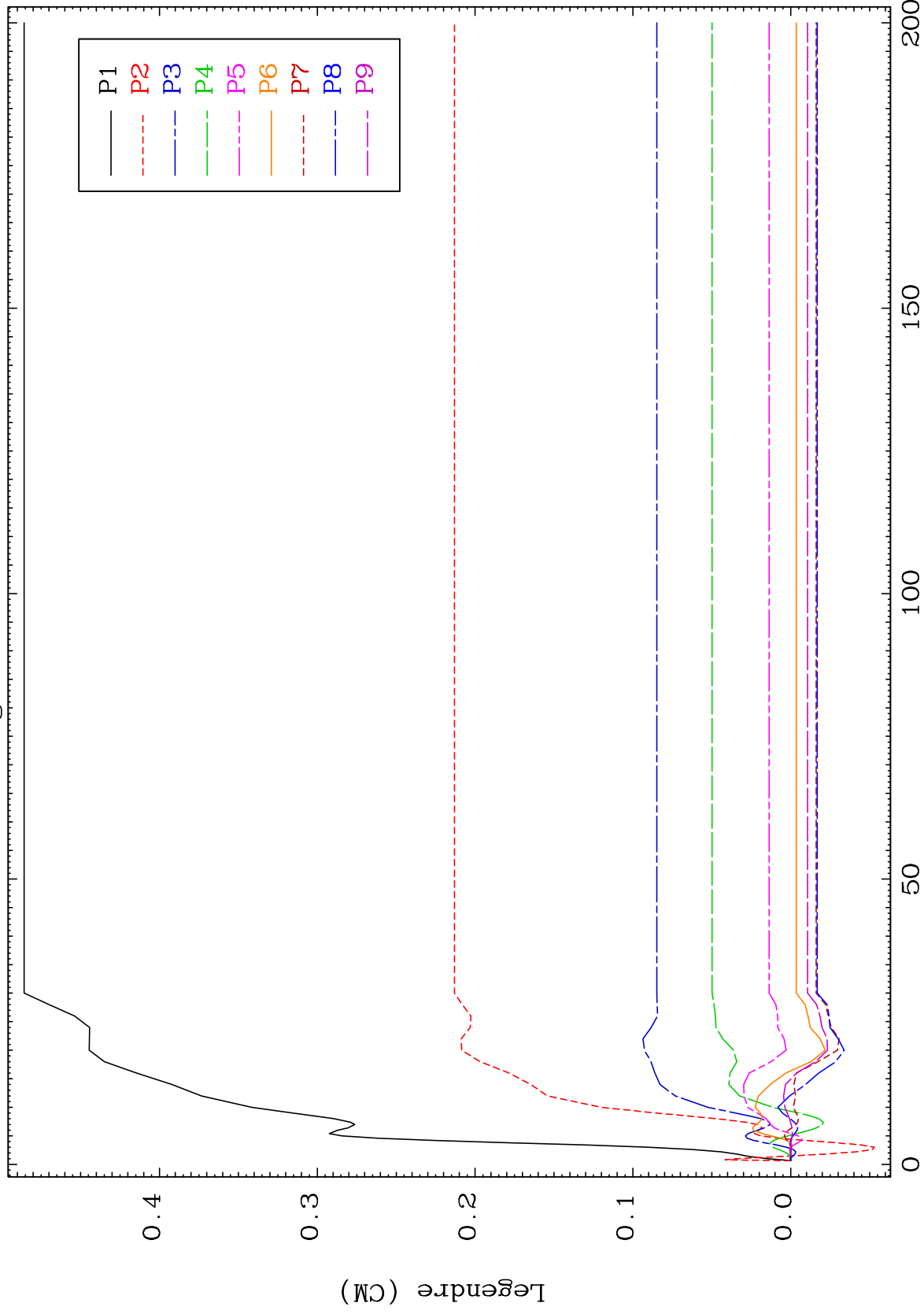
69-Tm-157



MAT 6889

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

69-Tm-157



77

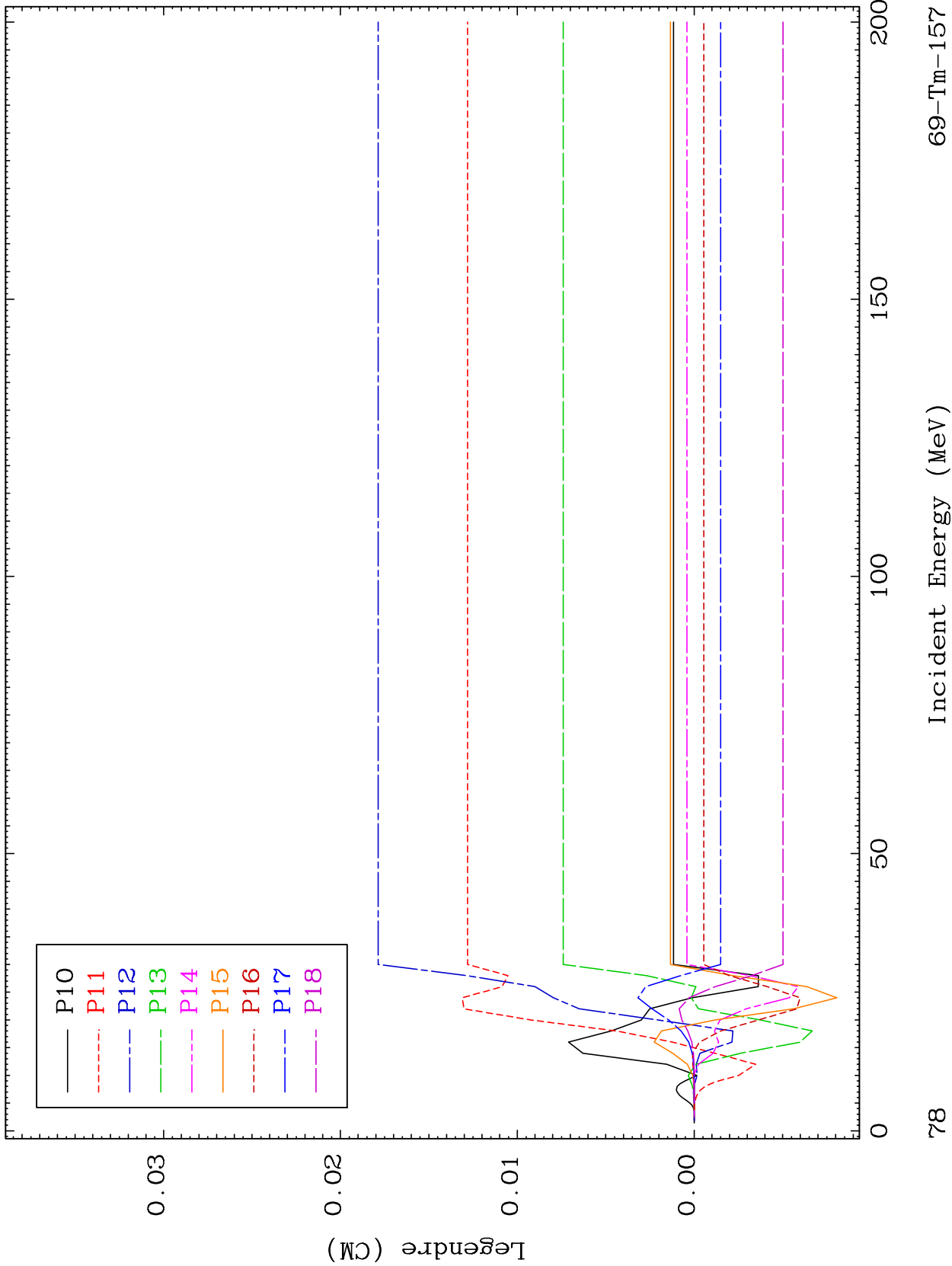
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



78

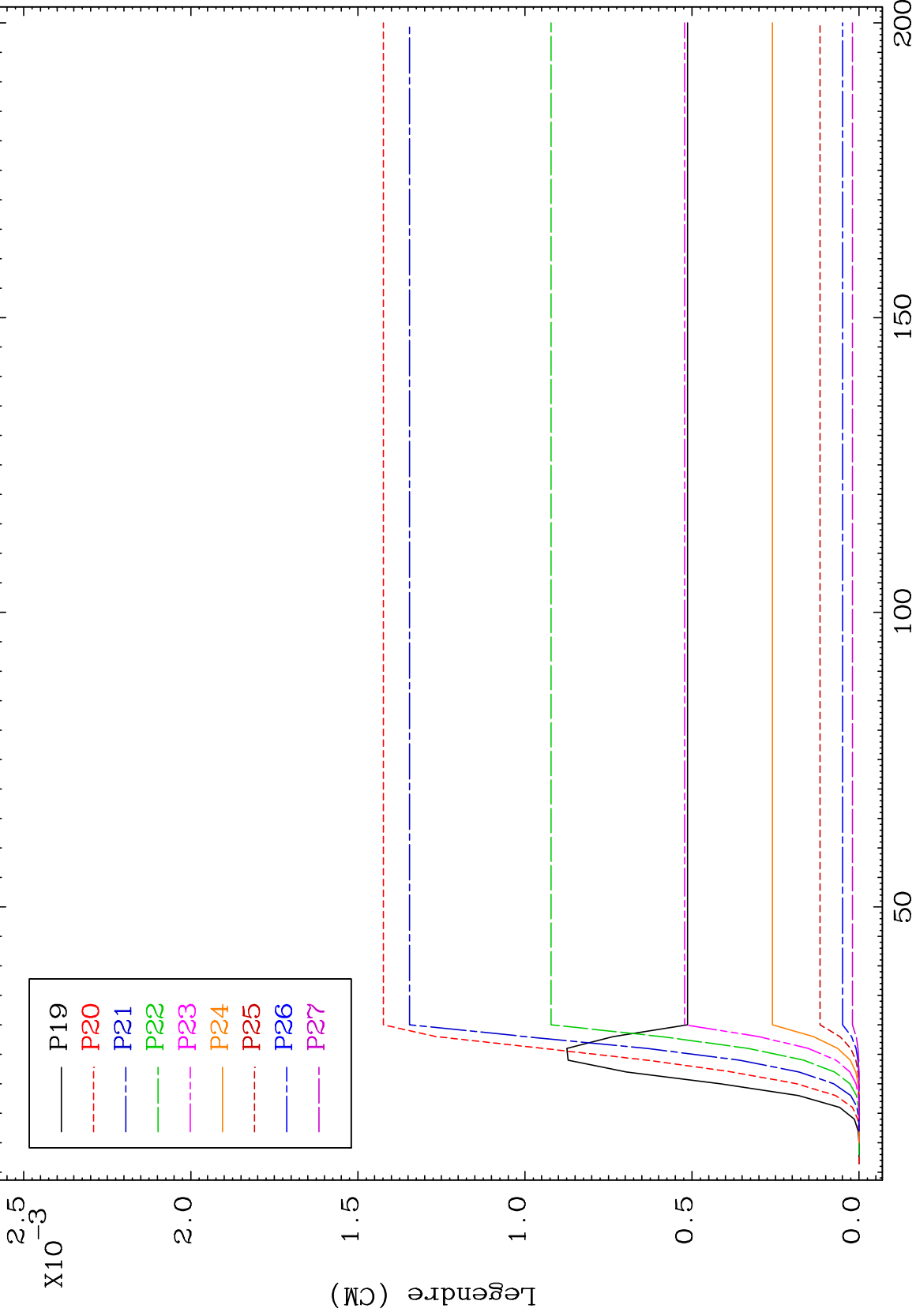
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



79

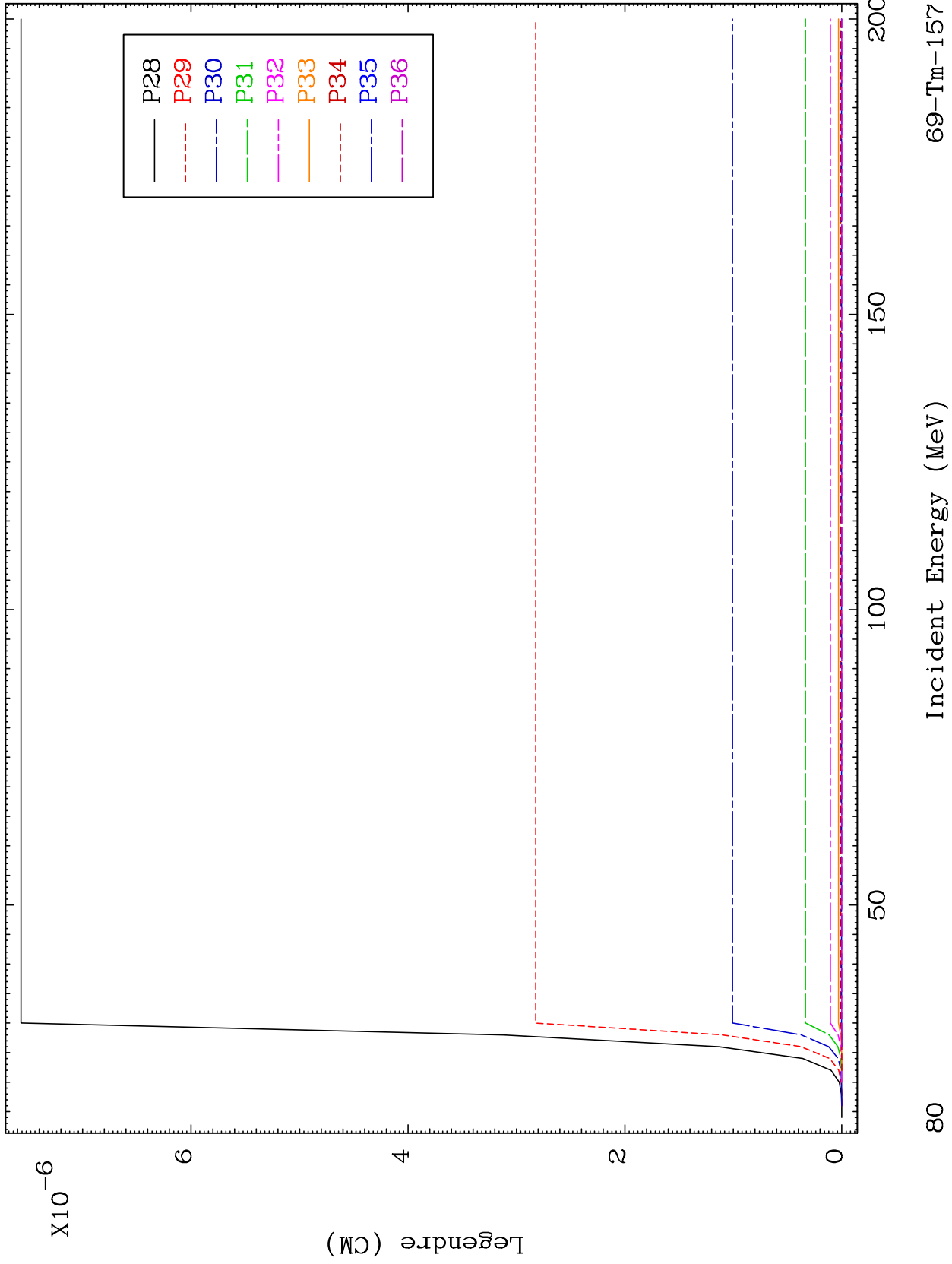
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

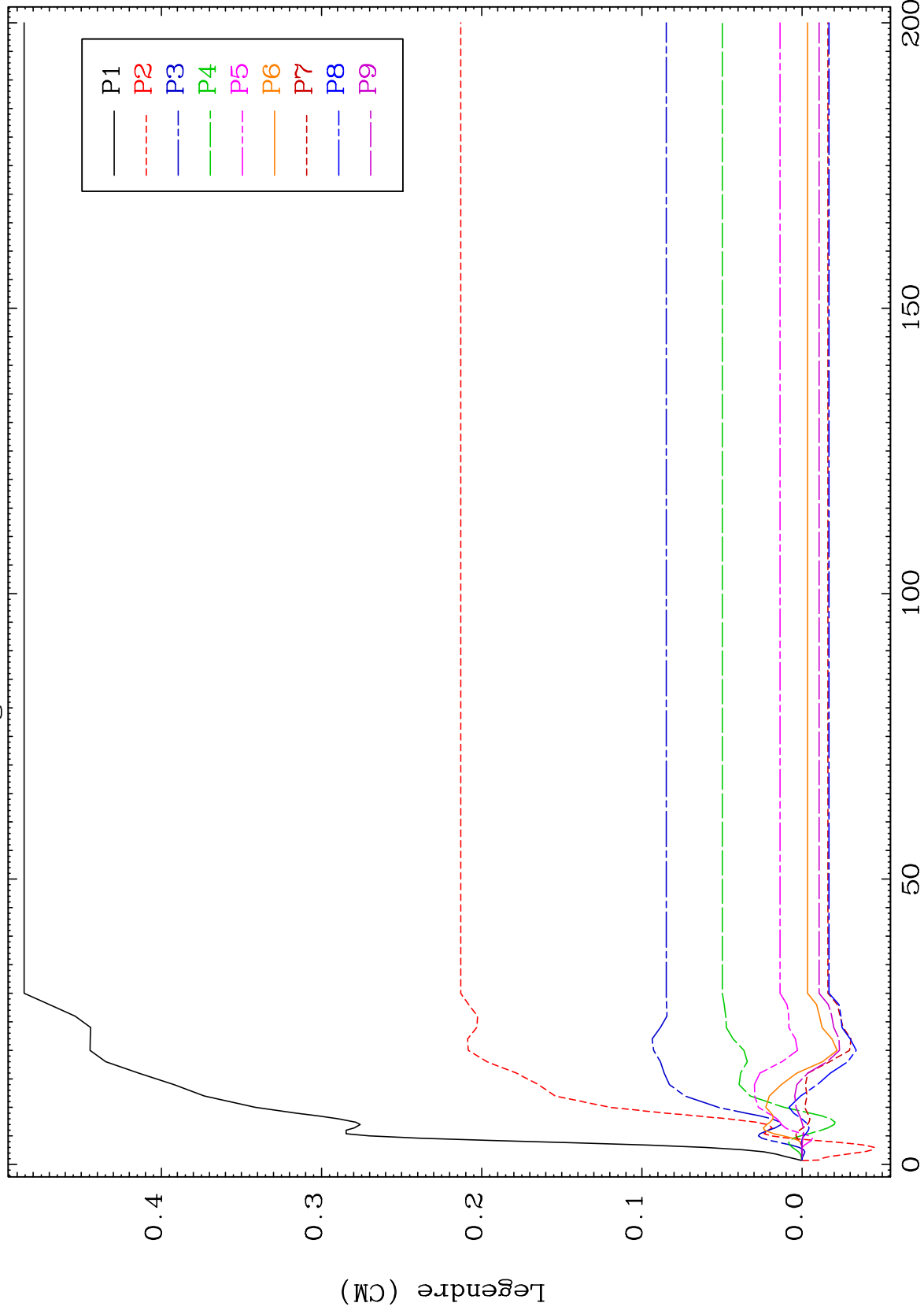
69-Tm-157



MAT 6889

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

69-Tm-157



81

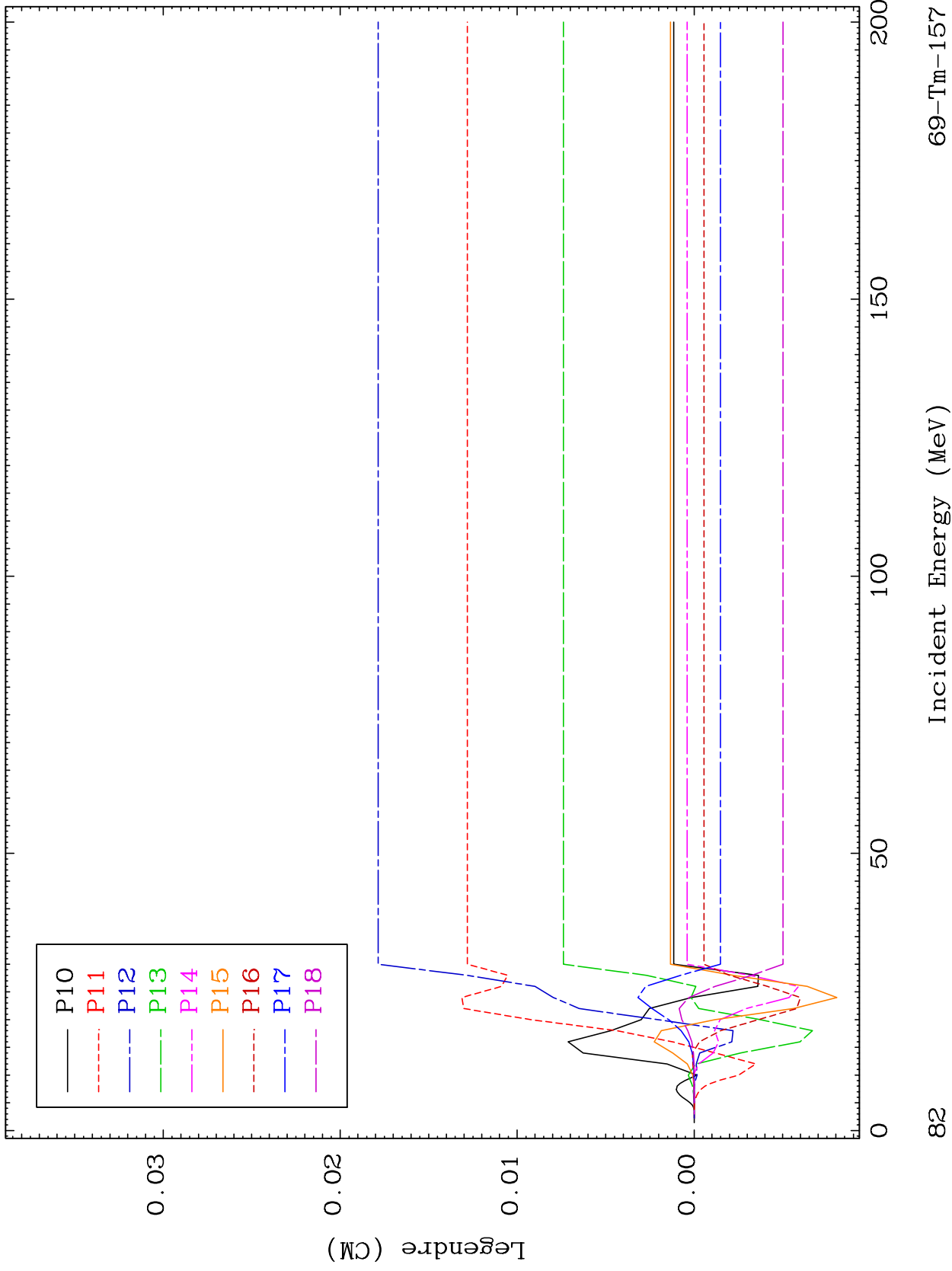
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



82

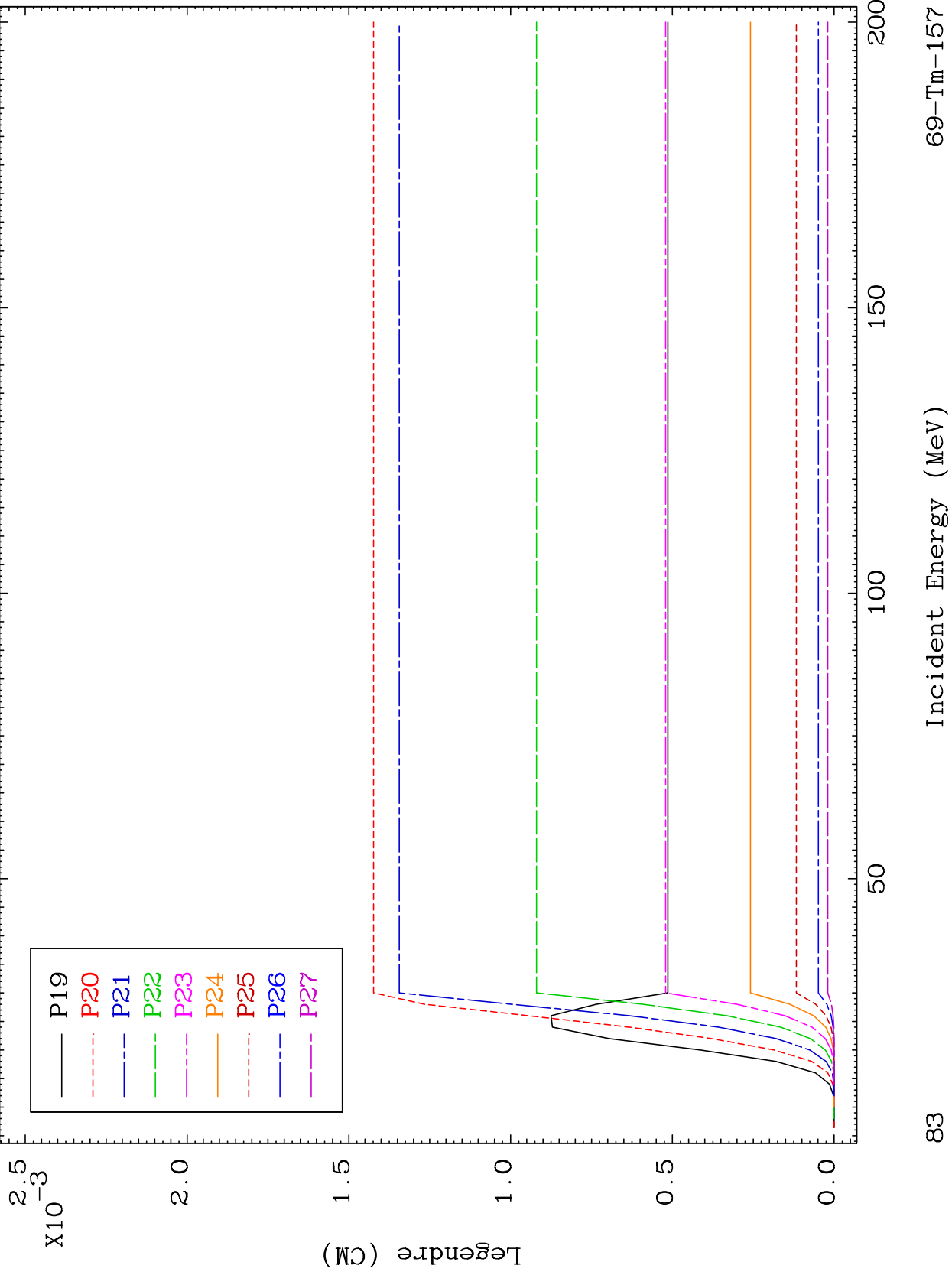
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157

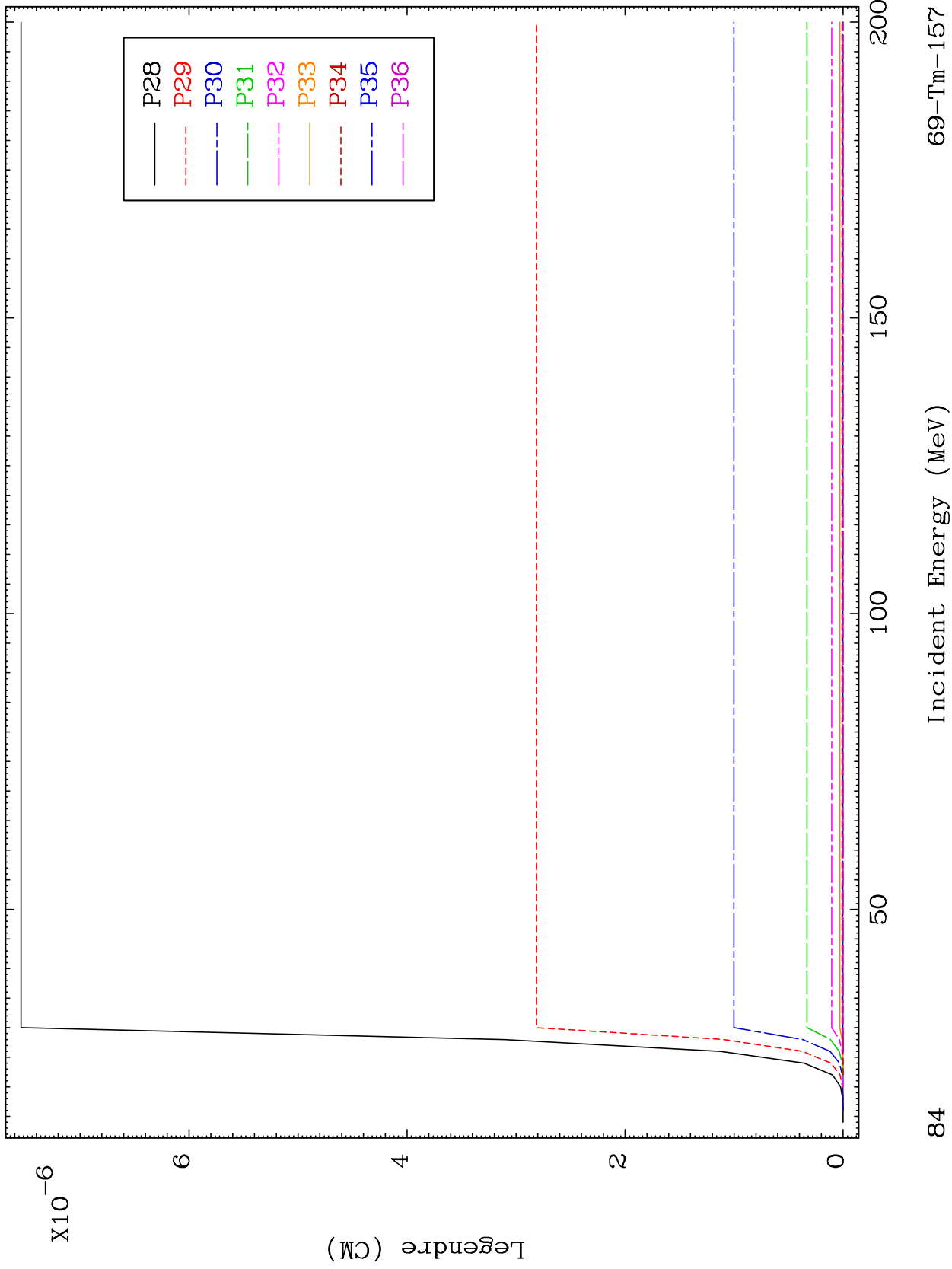


83

MAT 6889

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

69-Tm-157



84

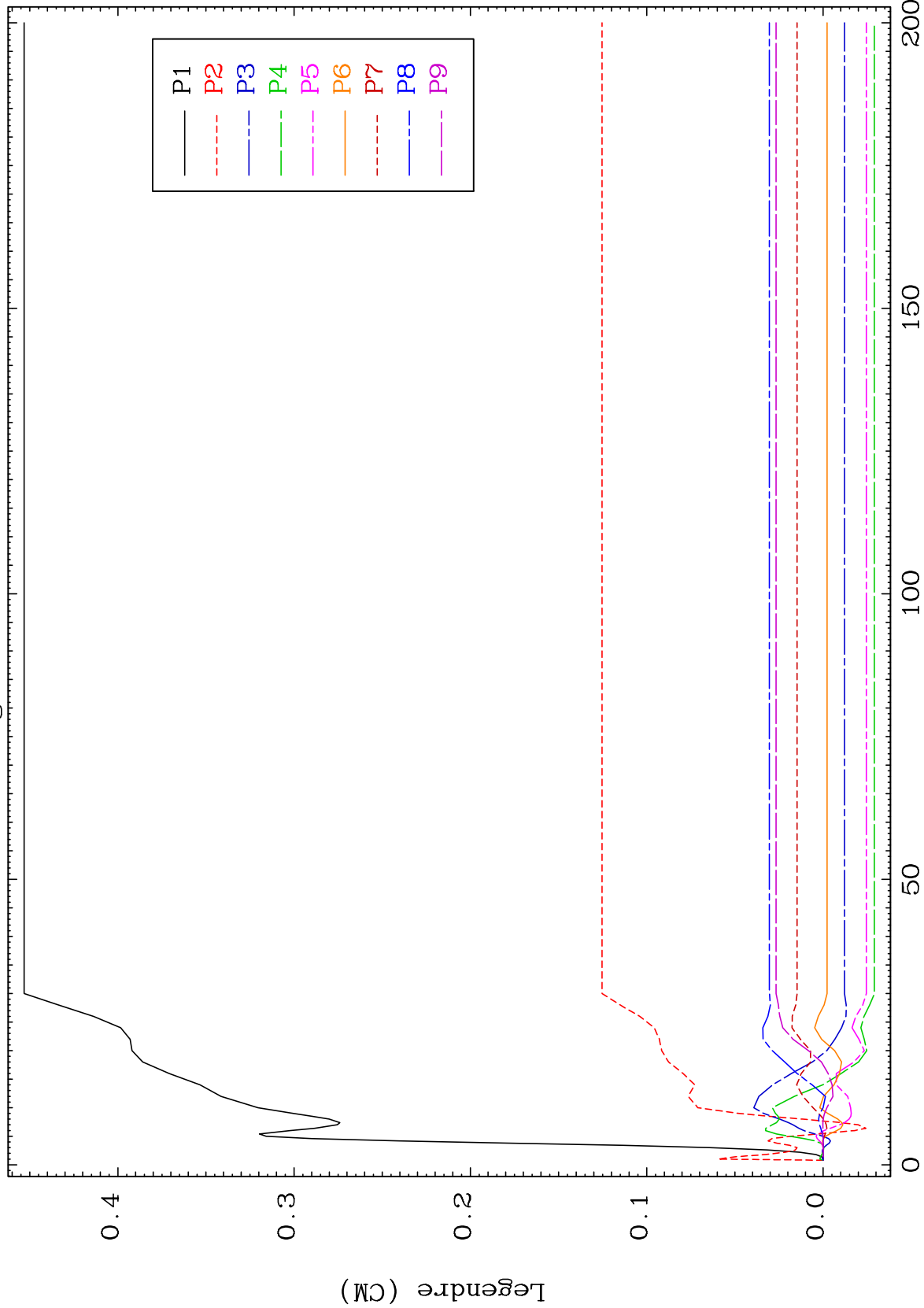
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



69-Tm-157

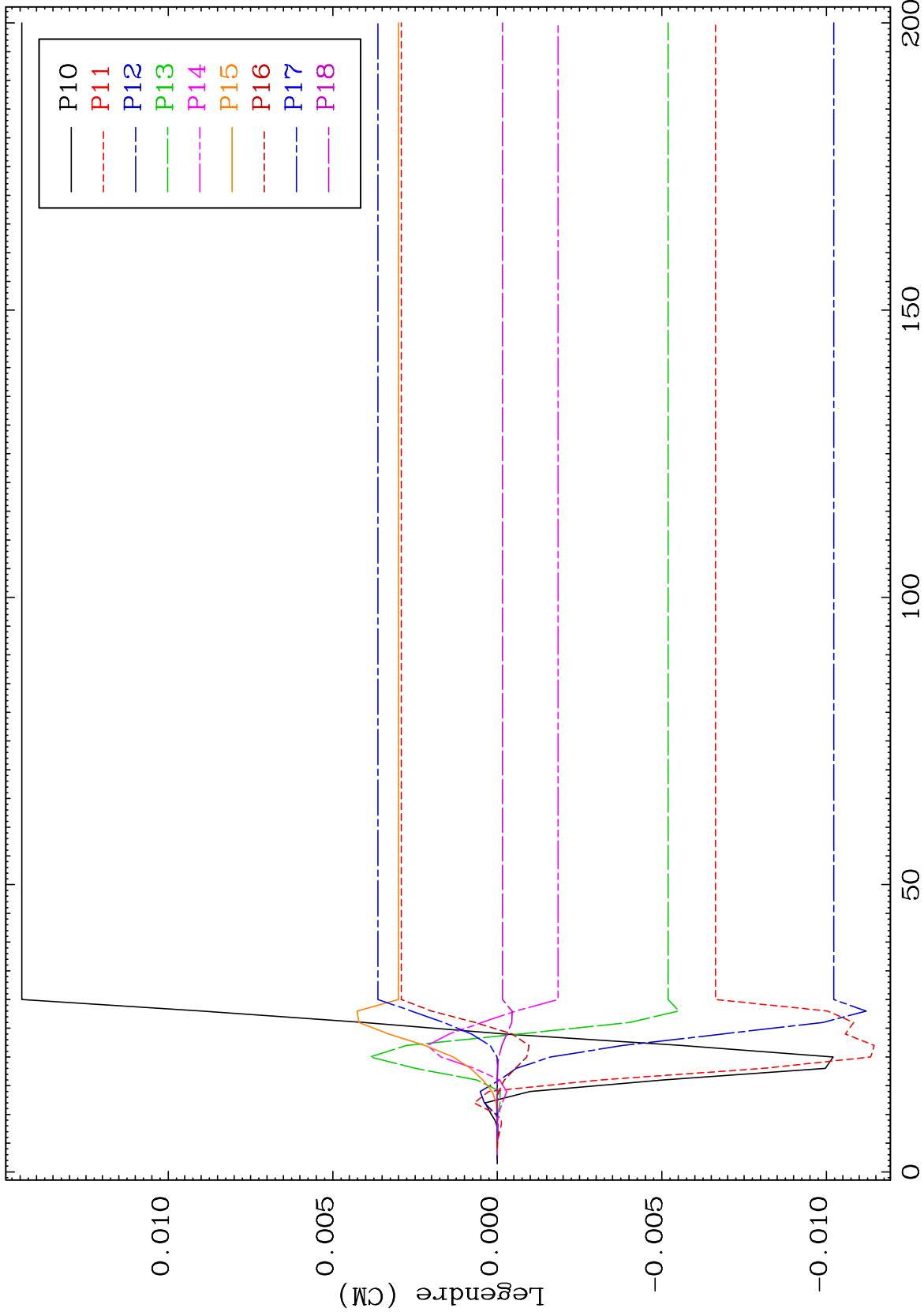
Incident Energy (MeV)

85

MAT 6889

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

69-Tm-157



86

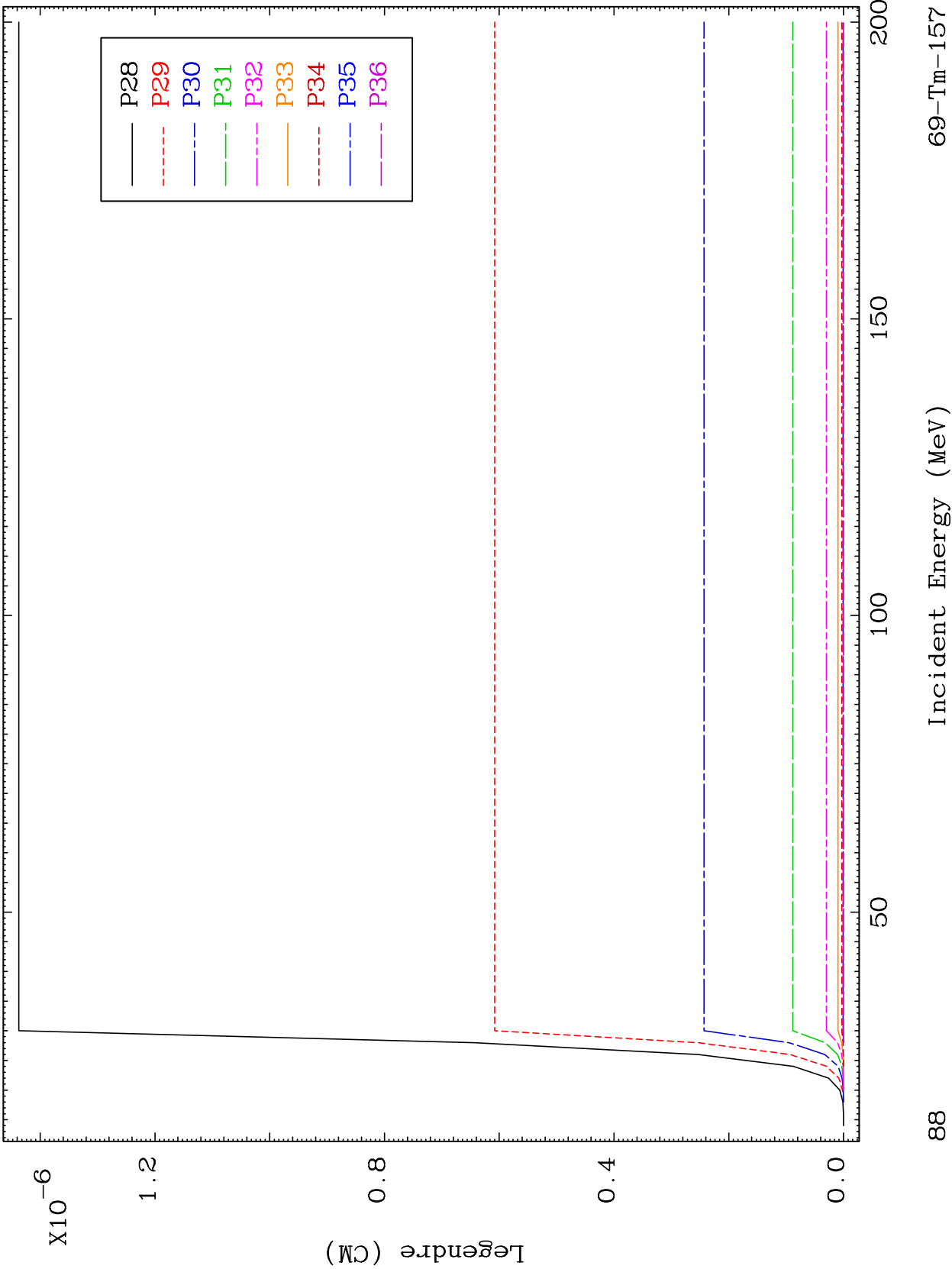
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



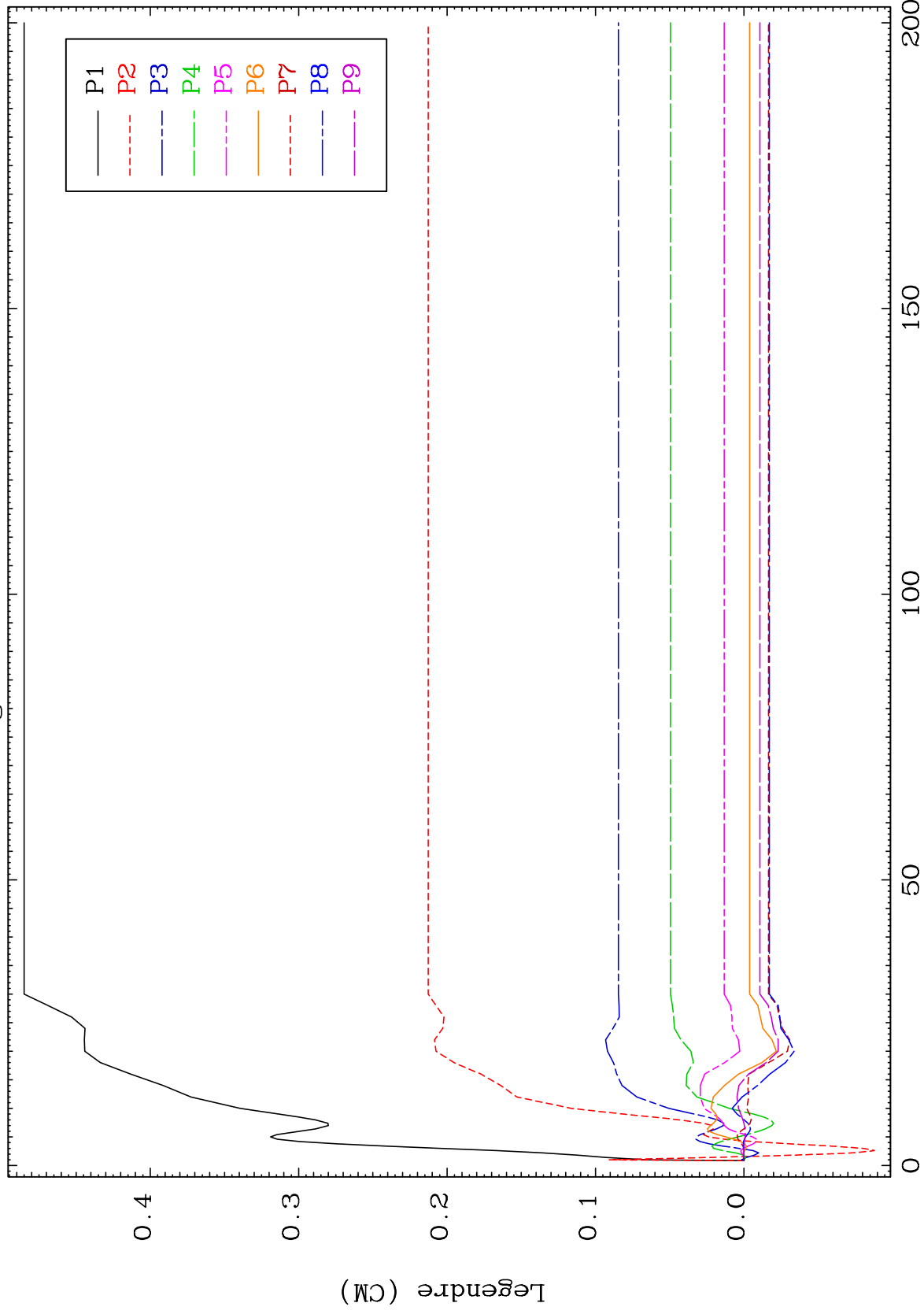
88

69-Tm-157

MAT 6889

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

69-Tm-157



89

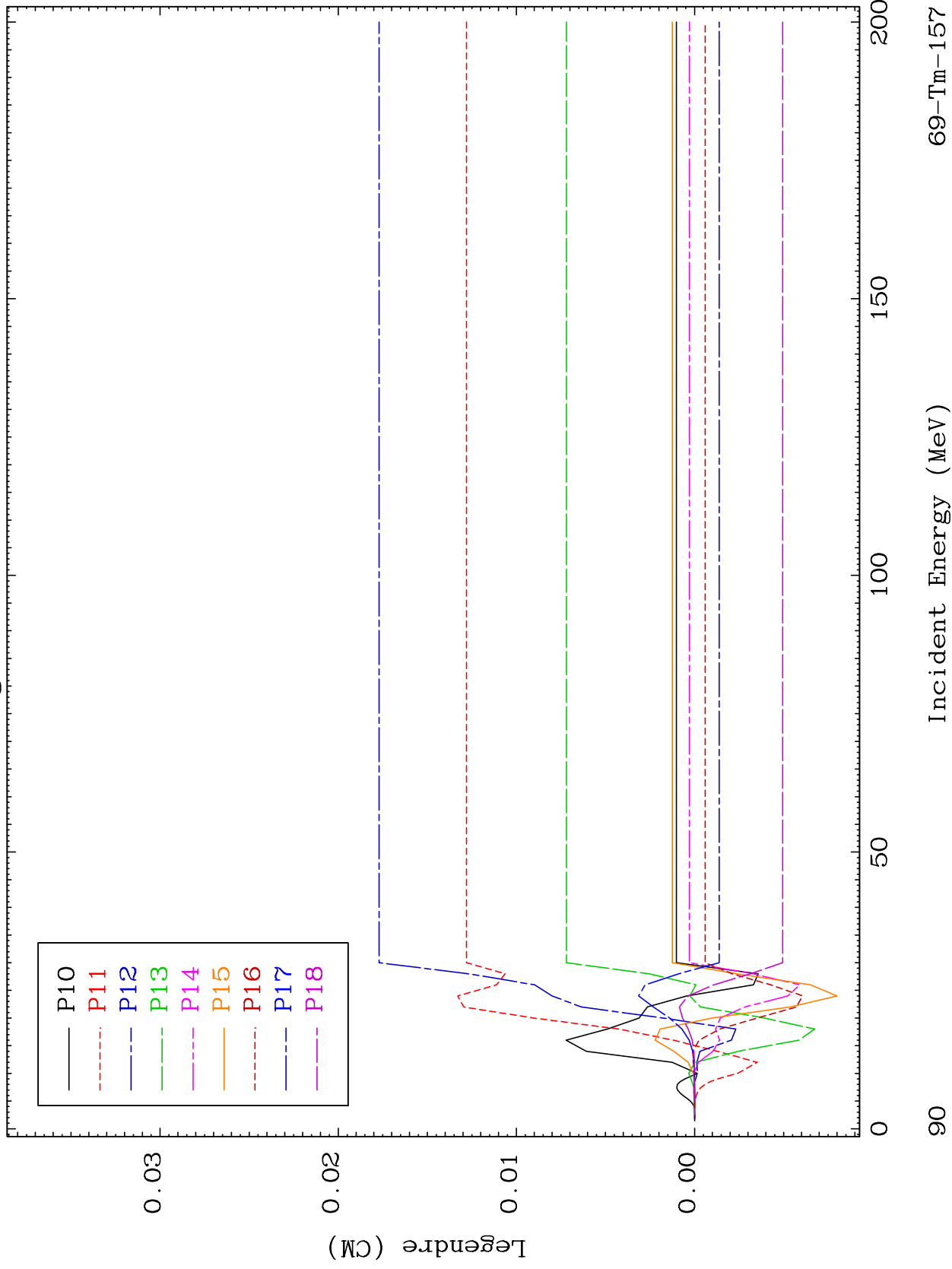
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



69-Tm-157

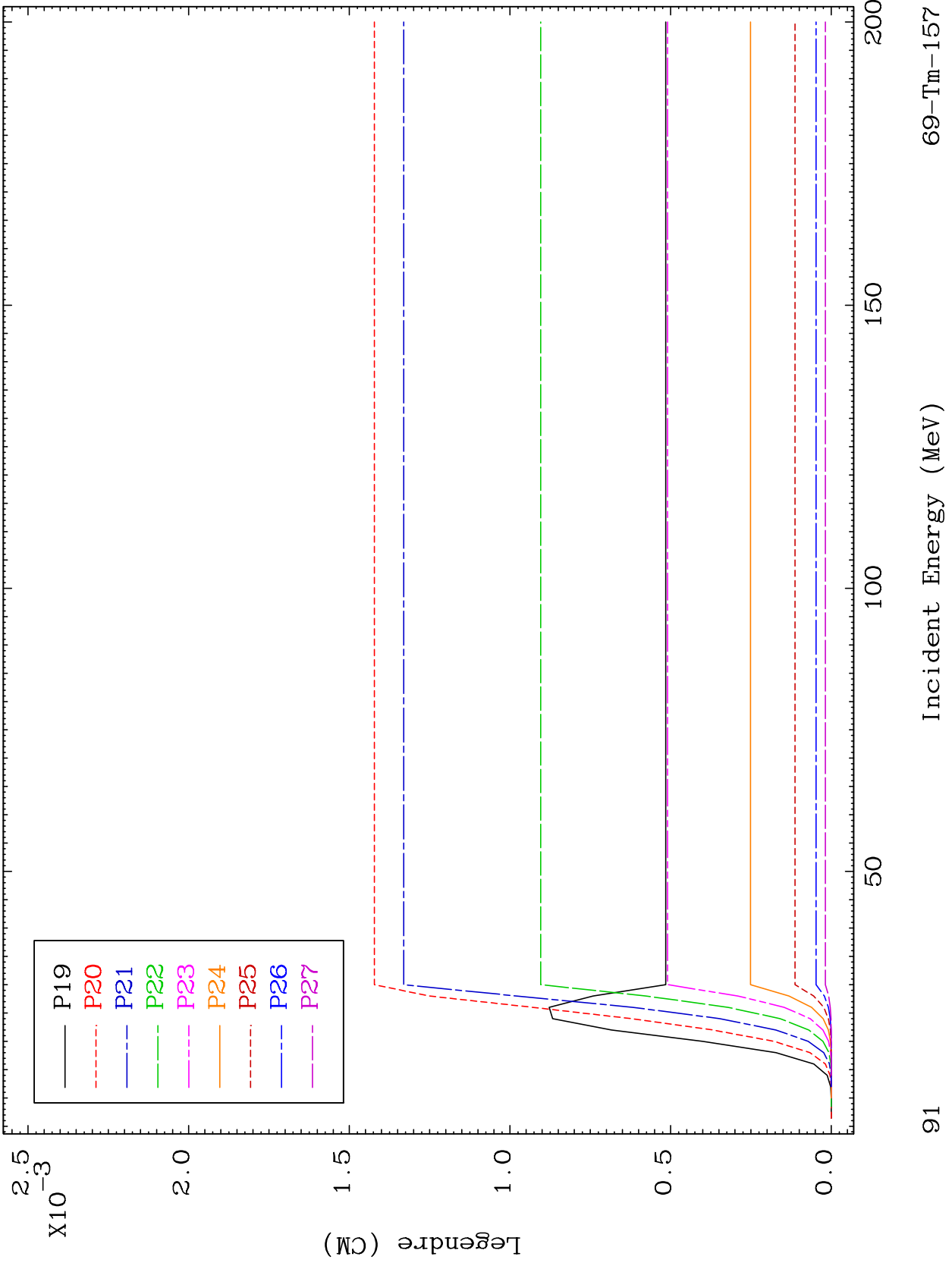
Incident Energy (MeV)

90

MAT 6889

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

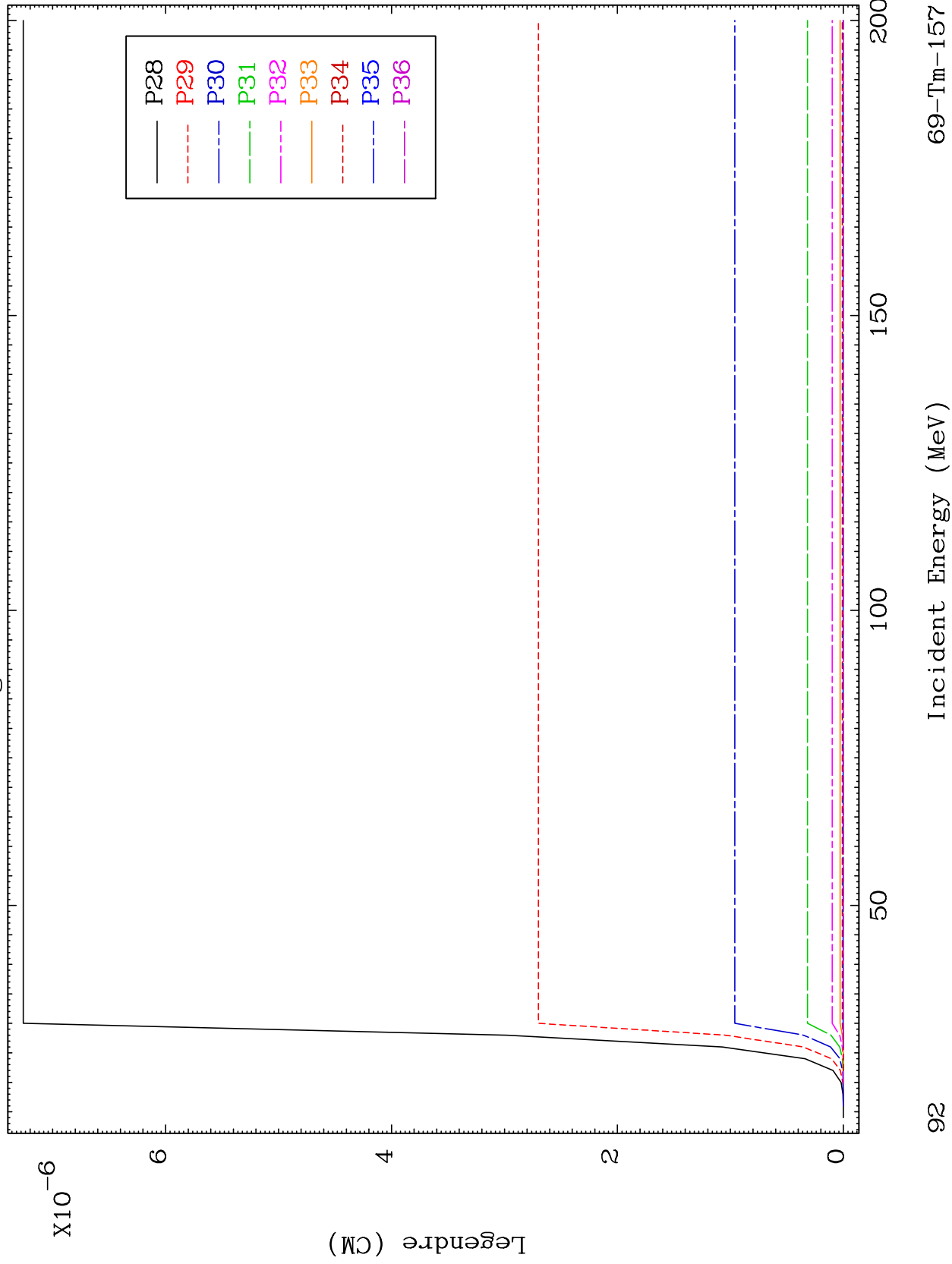
69-Tm-157

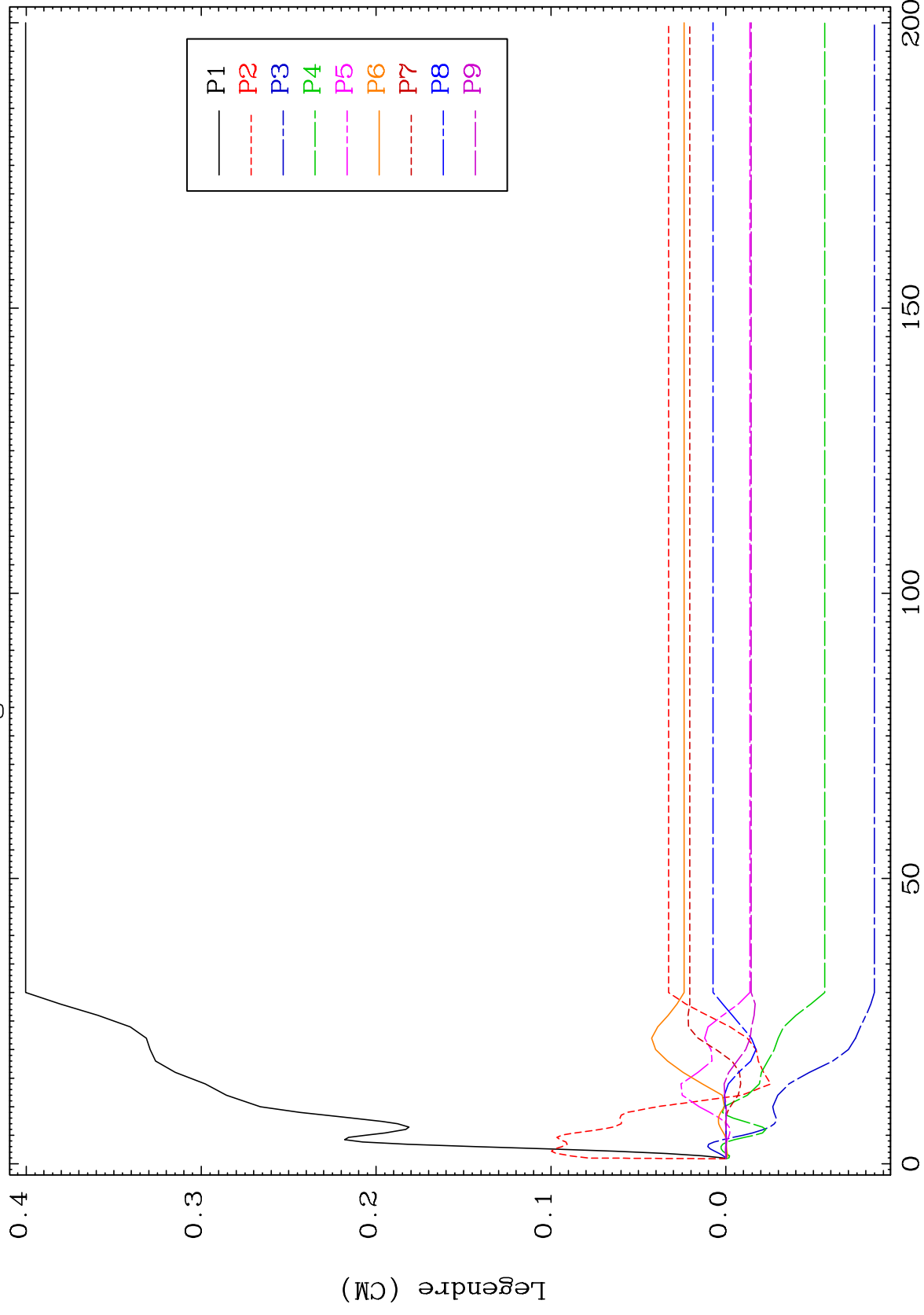


MAT 6889

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

69-Tm-157

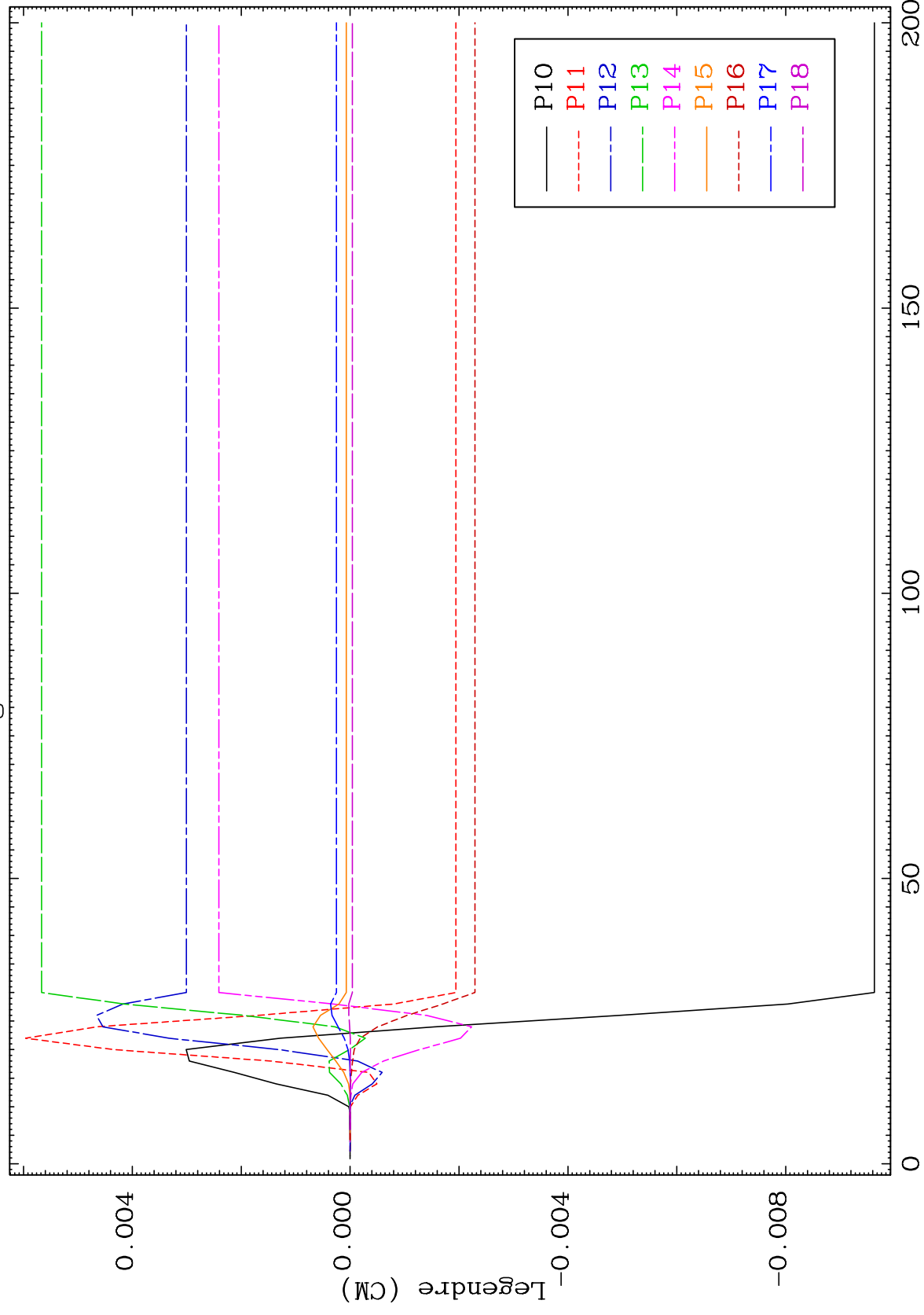




MAT 6889

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

69-Tm-157



94

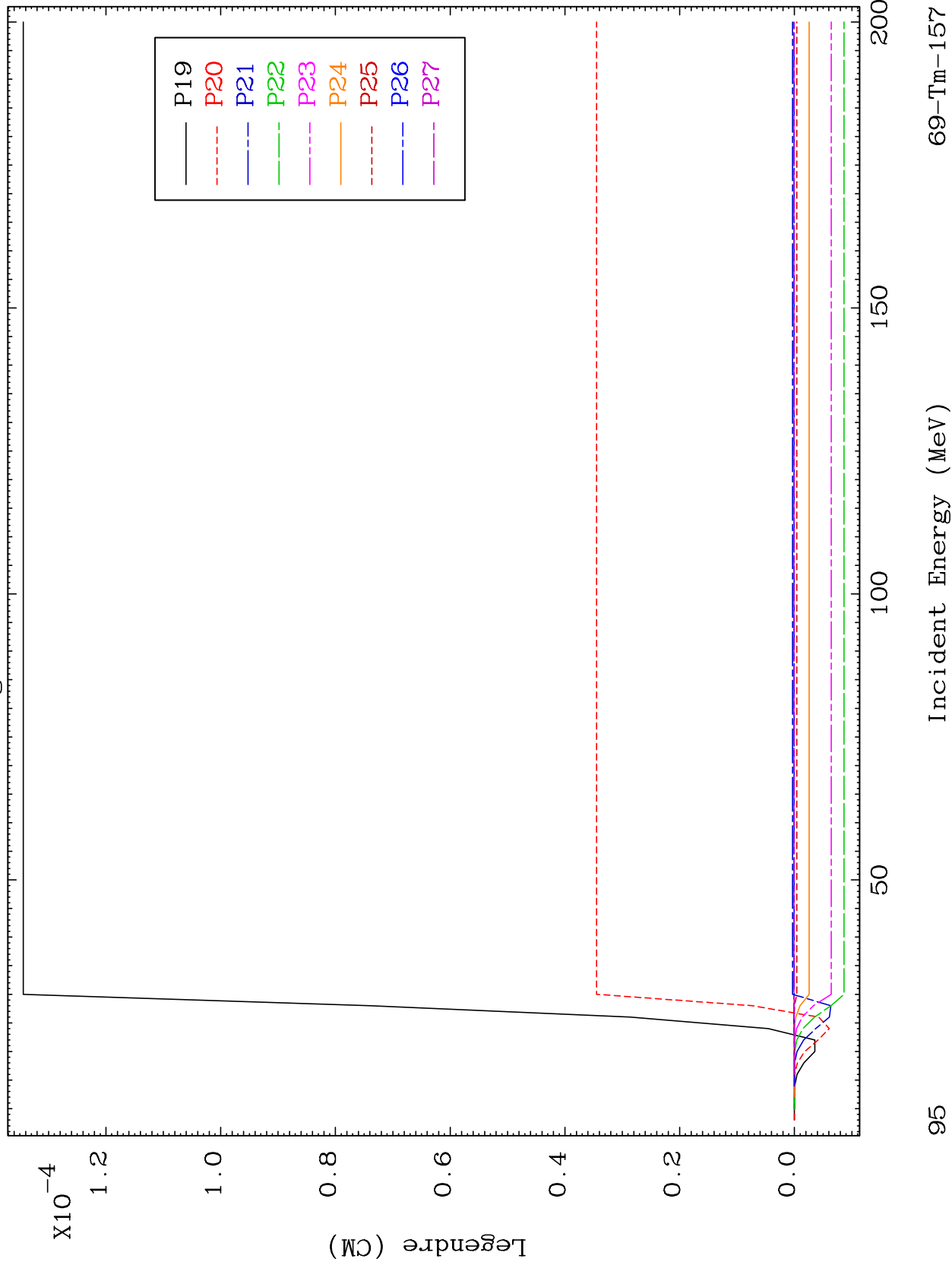
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



95

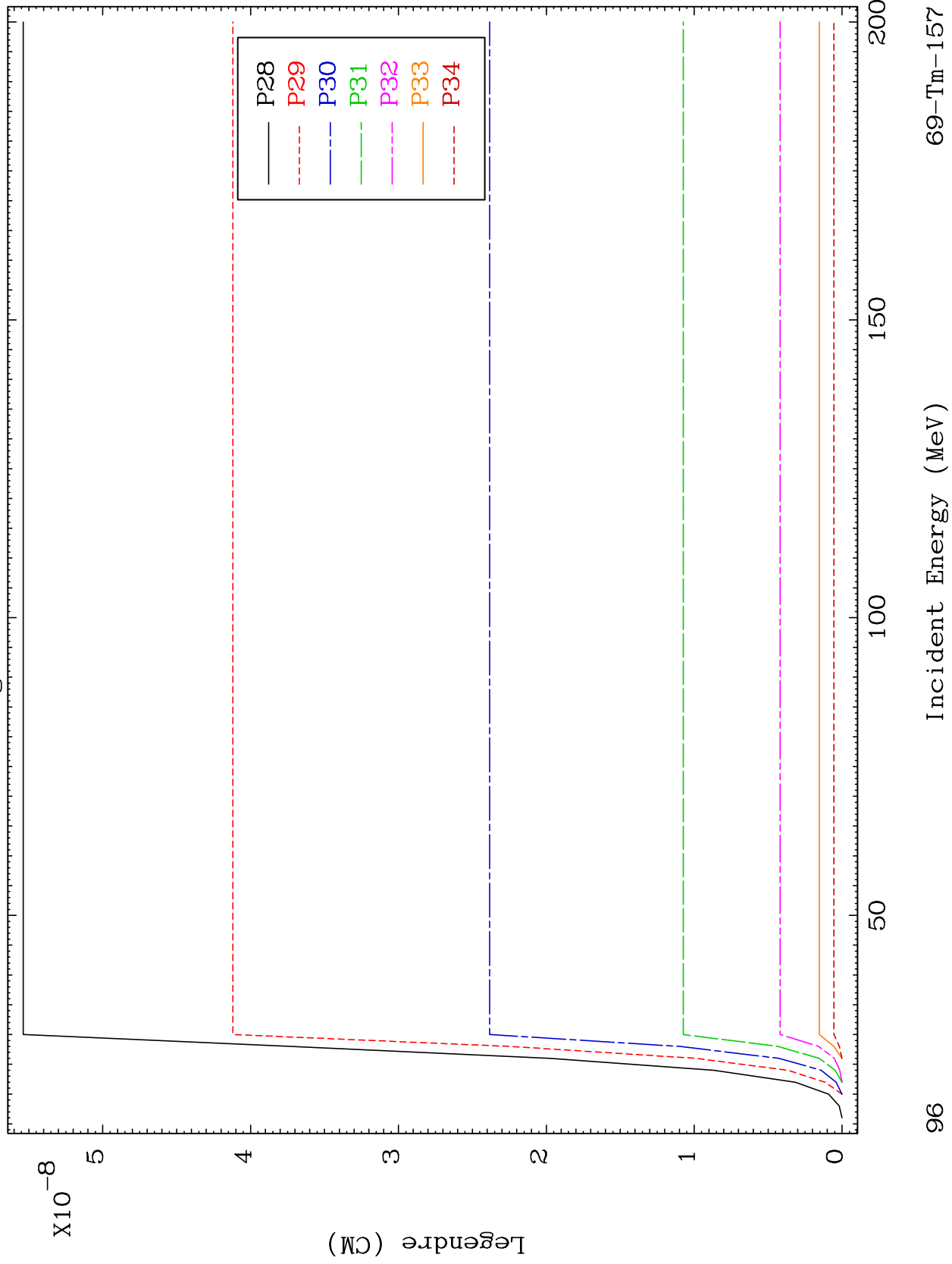
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

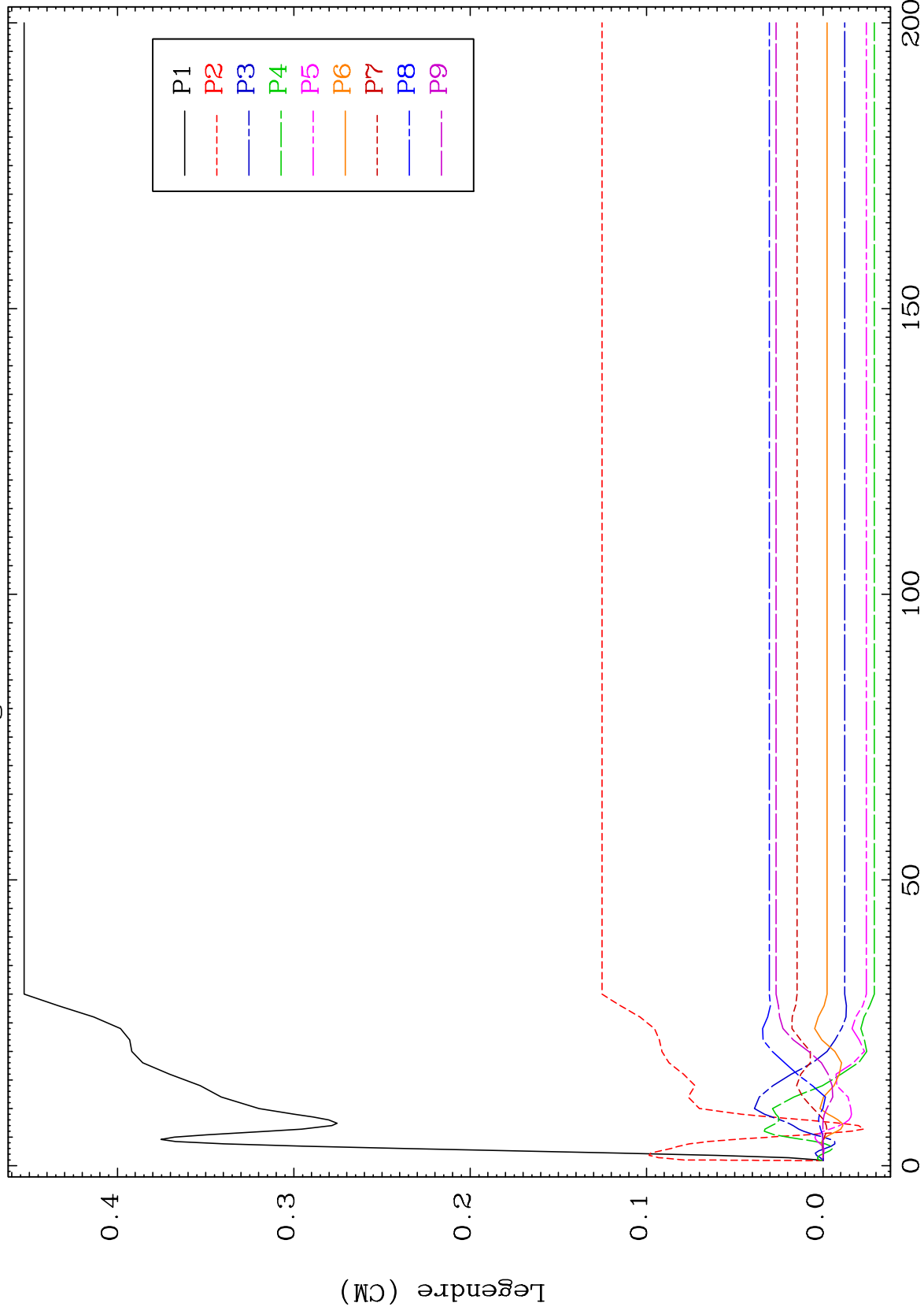
69-Tm-157



MAT 6889

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

69-Tm-157



97

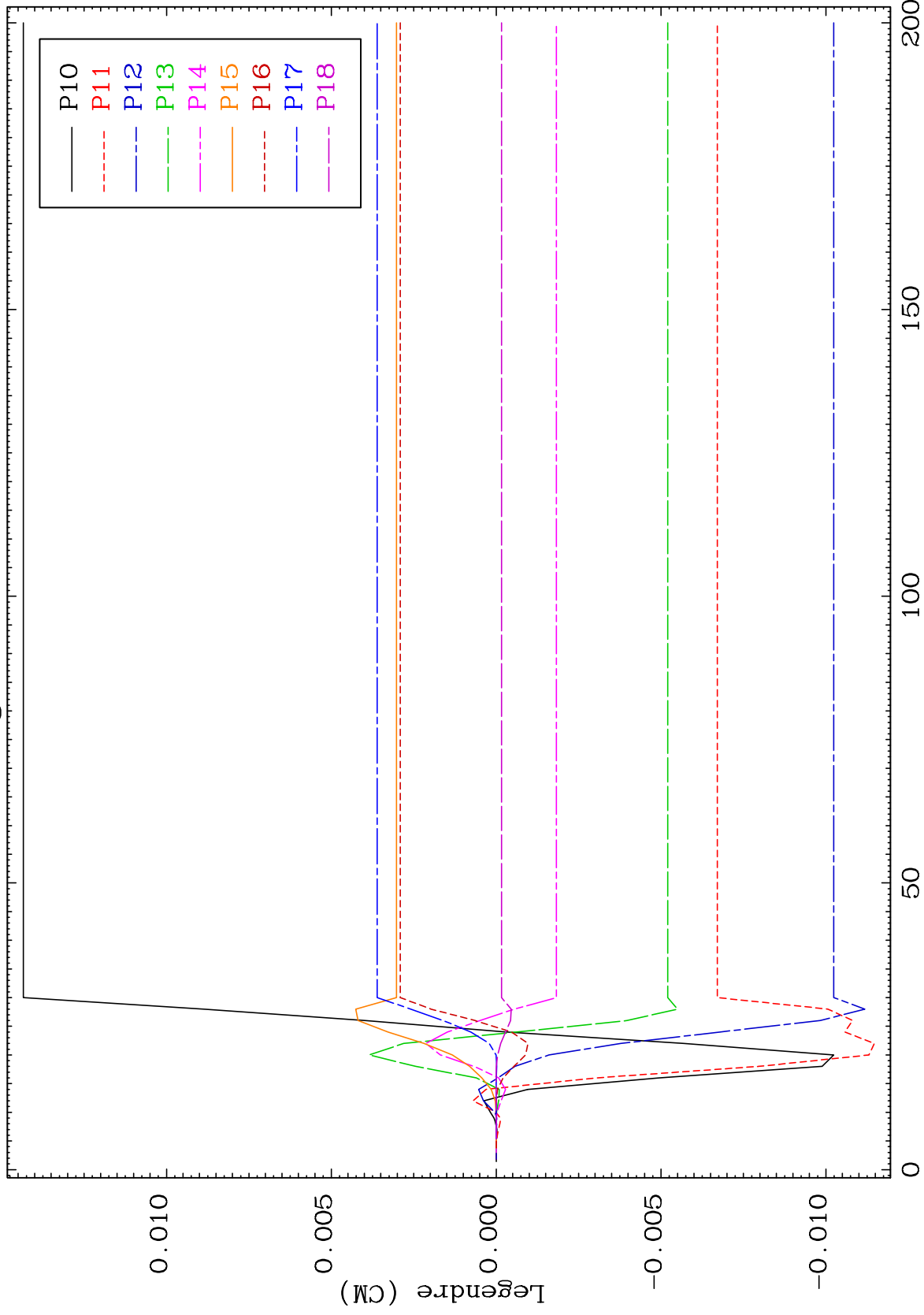
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

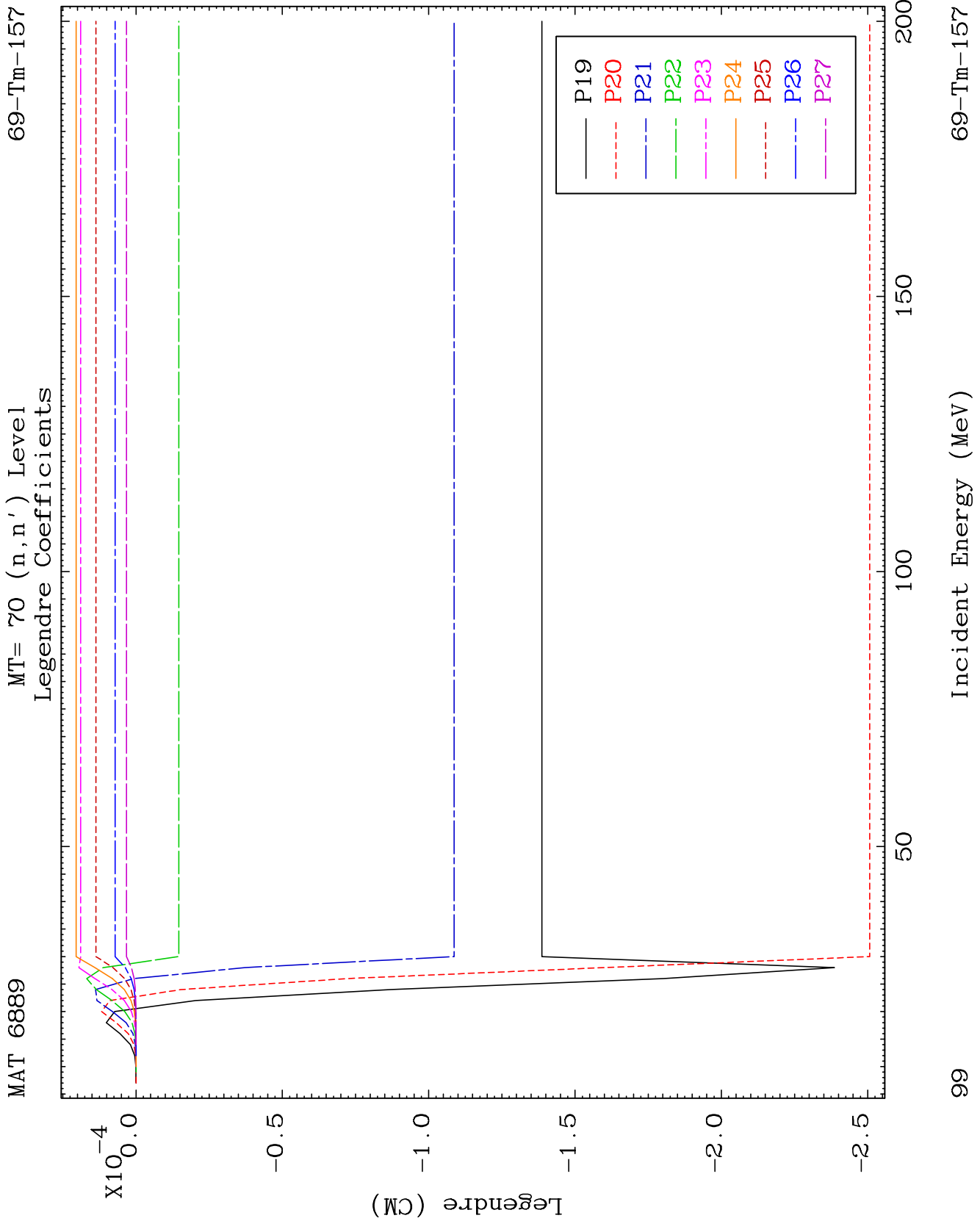
69-Tm-157



98

Incident Energy (MeV)

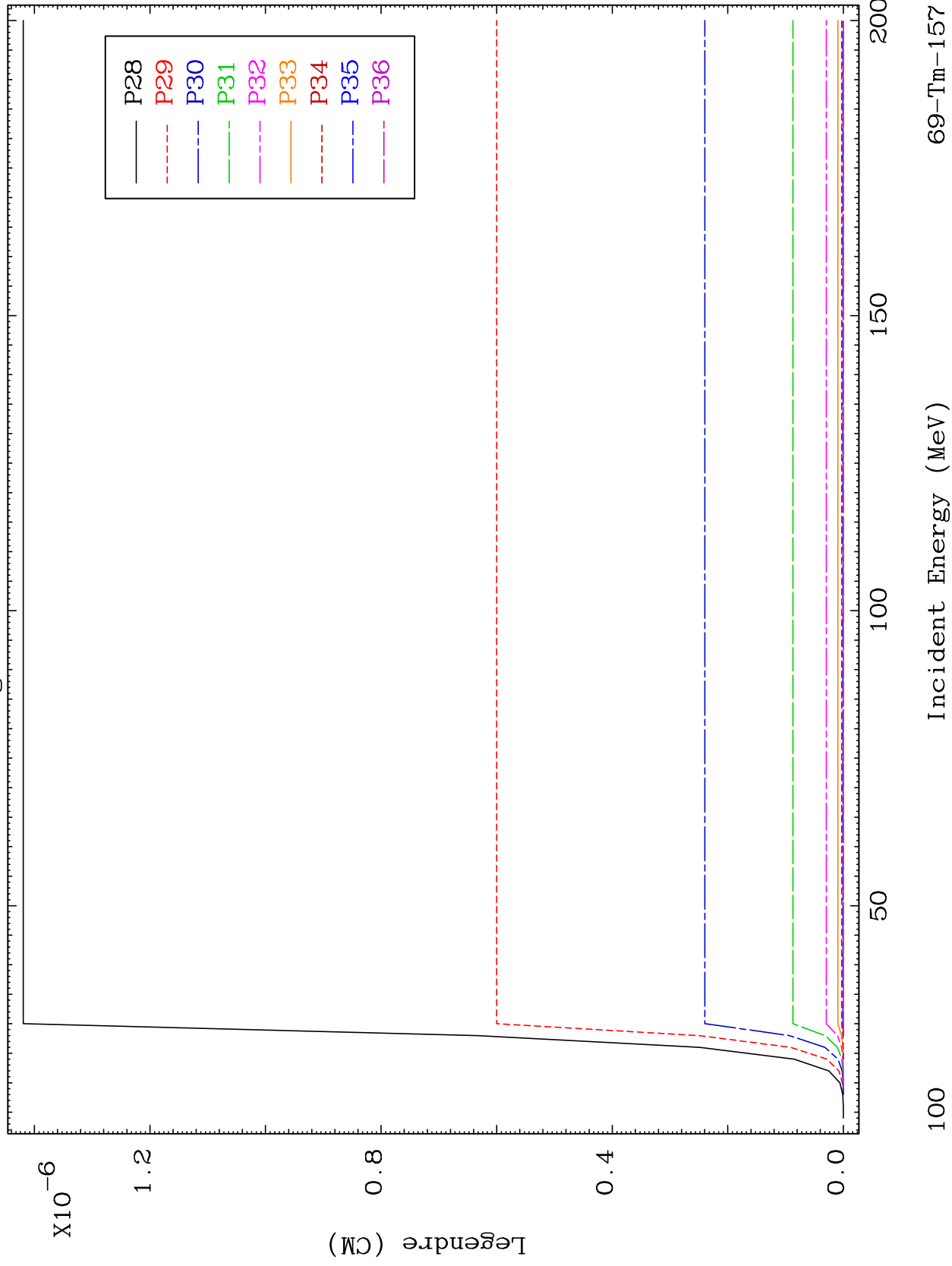
69-Tm-157



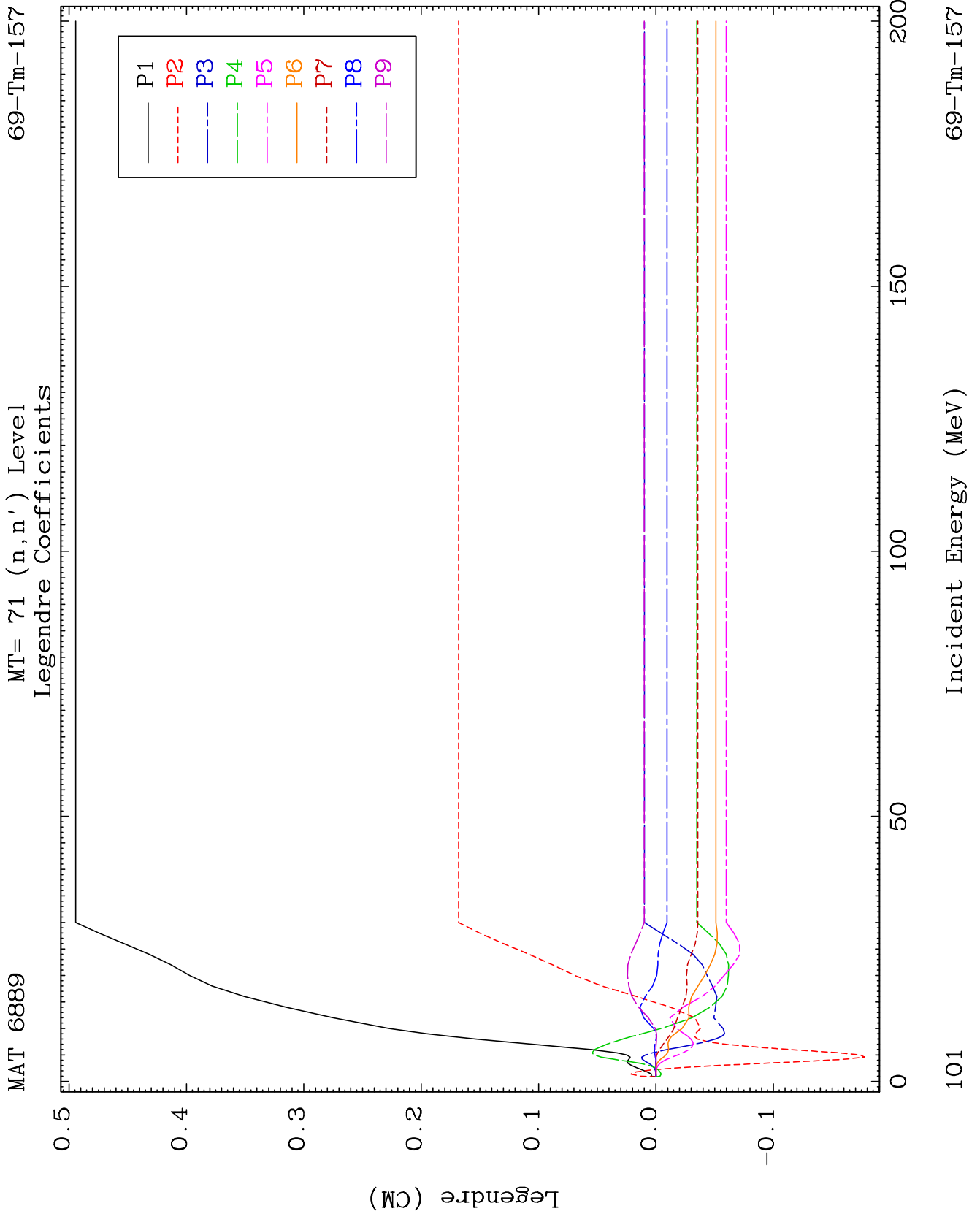
MAT 6889

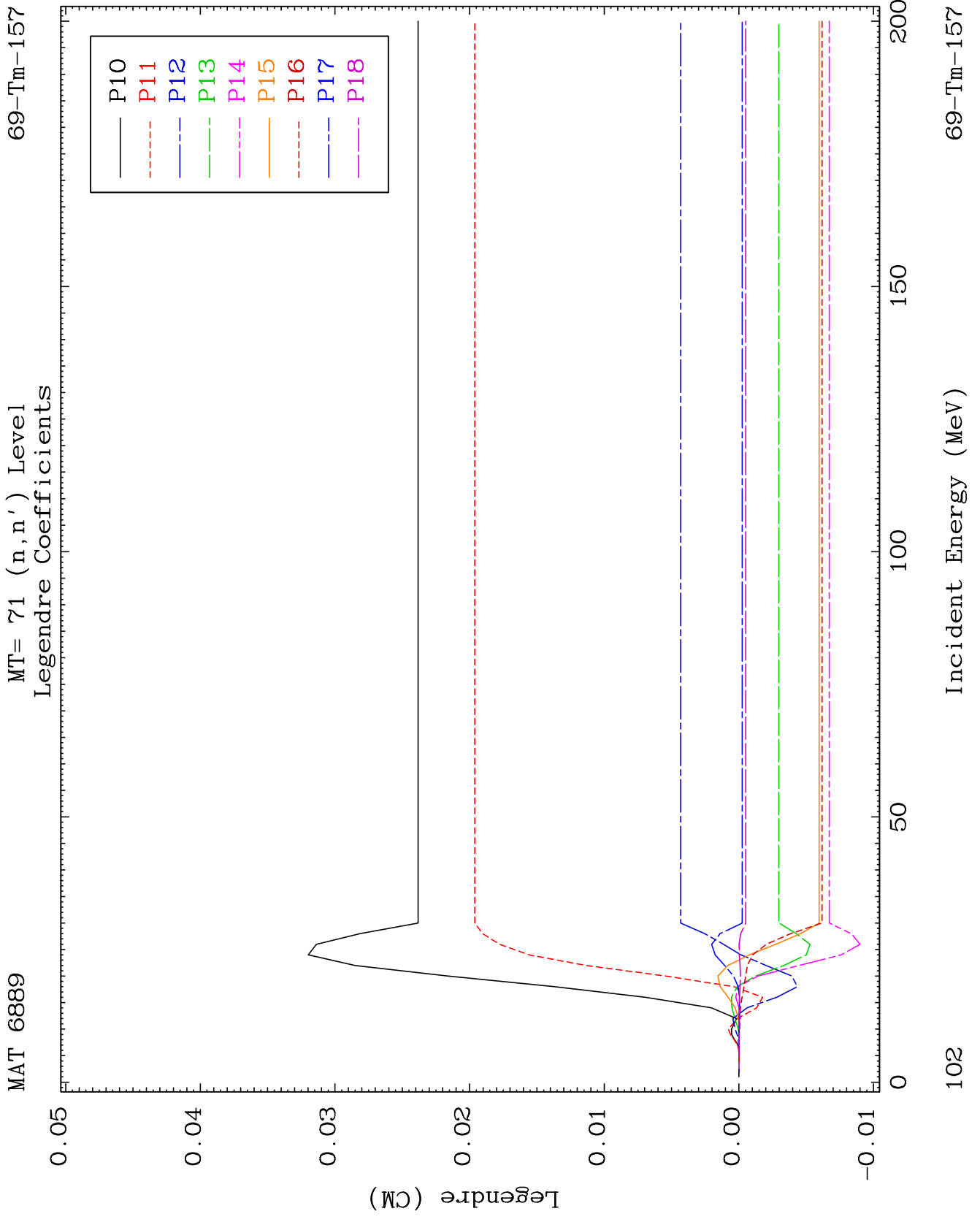
MT= 70 (n,n') Level
Legendre Coefficients

69-Tm-157



69-Tm-157

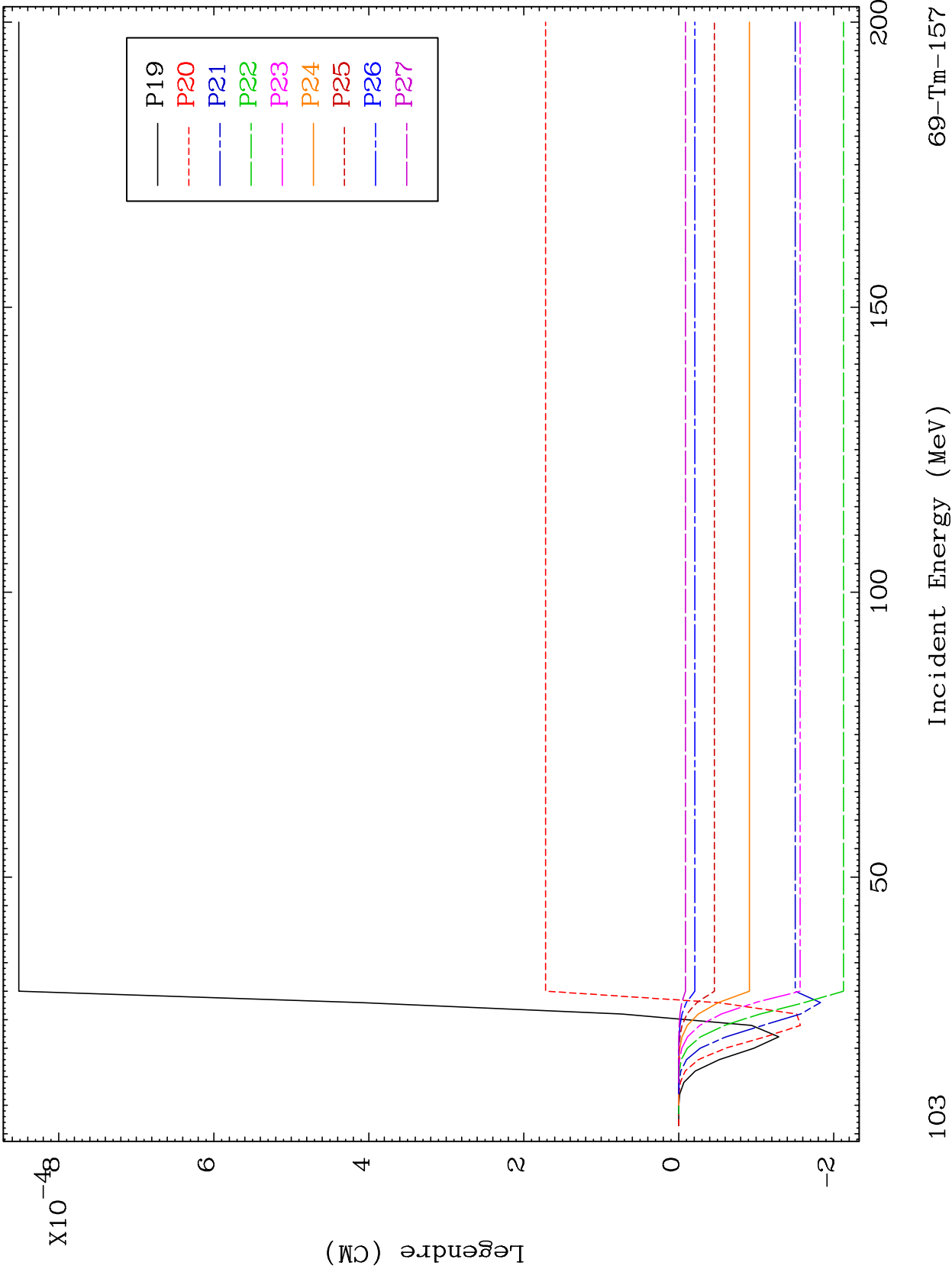




MAT 6889

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

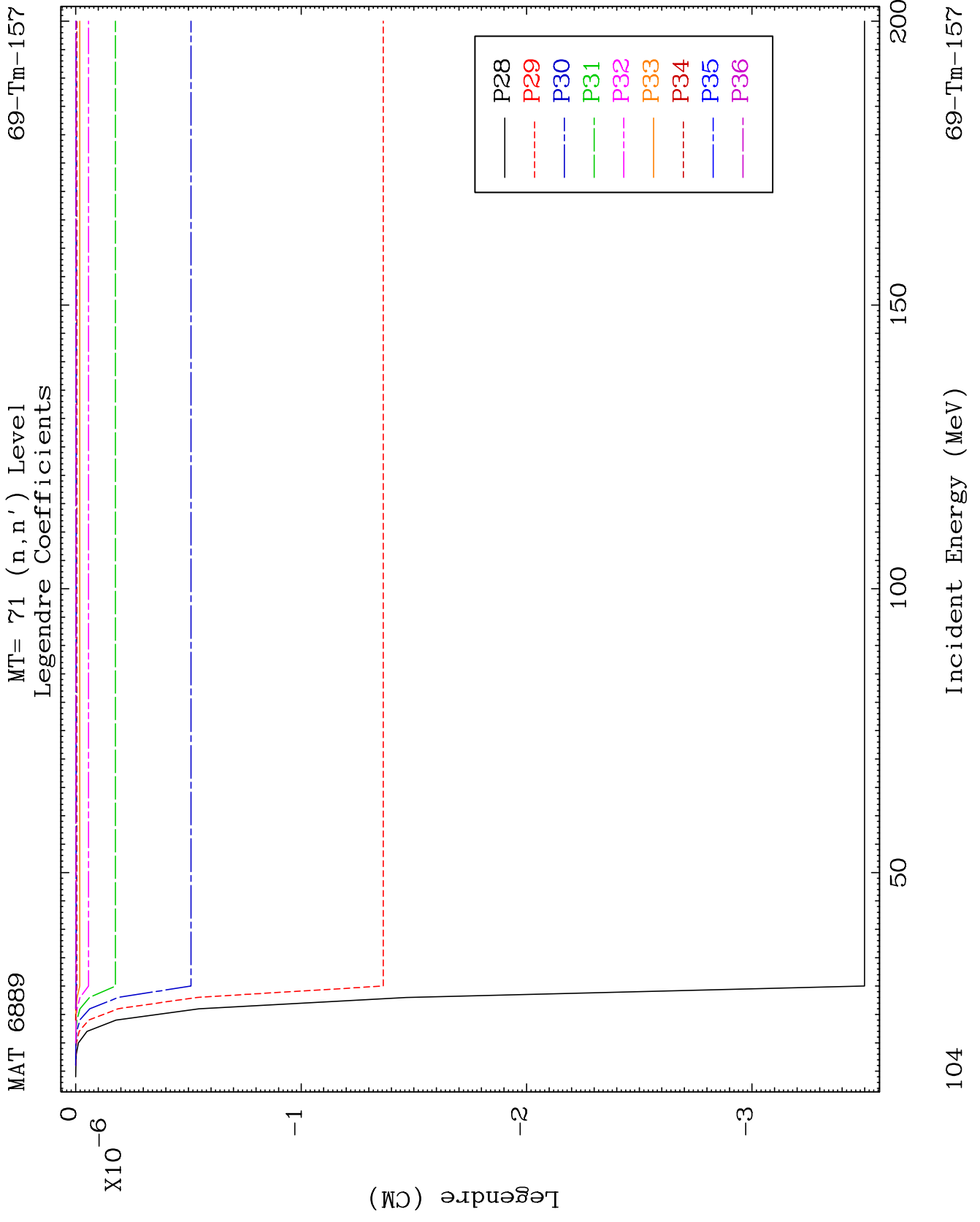
69-Tm-157



103

Incident Energy (MeV)

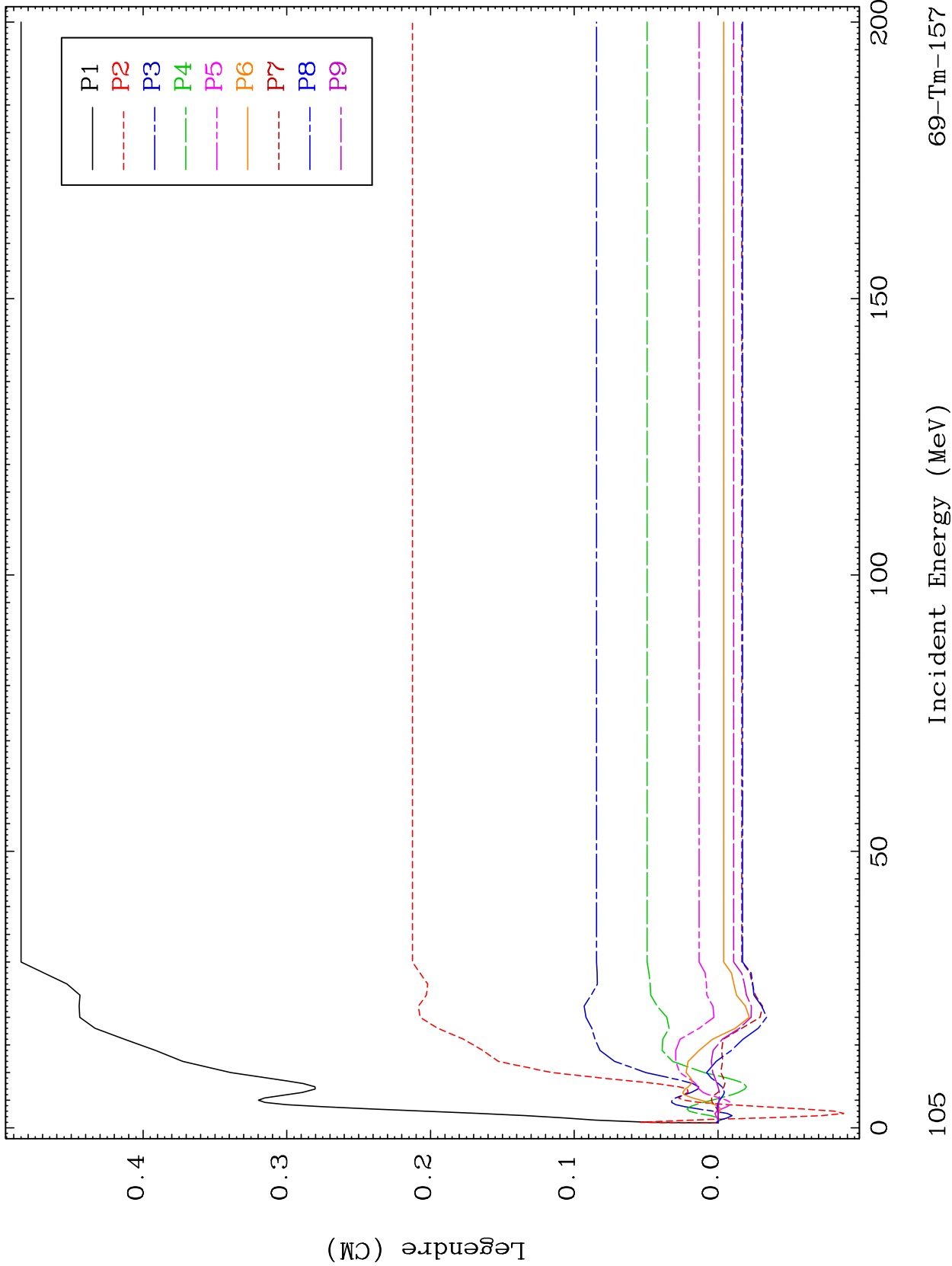
69-Tm-157



MAT 6889

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

69-Tm-157



69-Tm-157

Incident Energy (MeV)

0

105

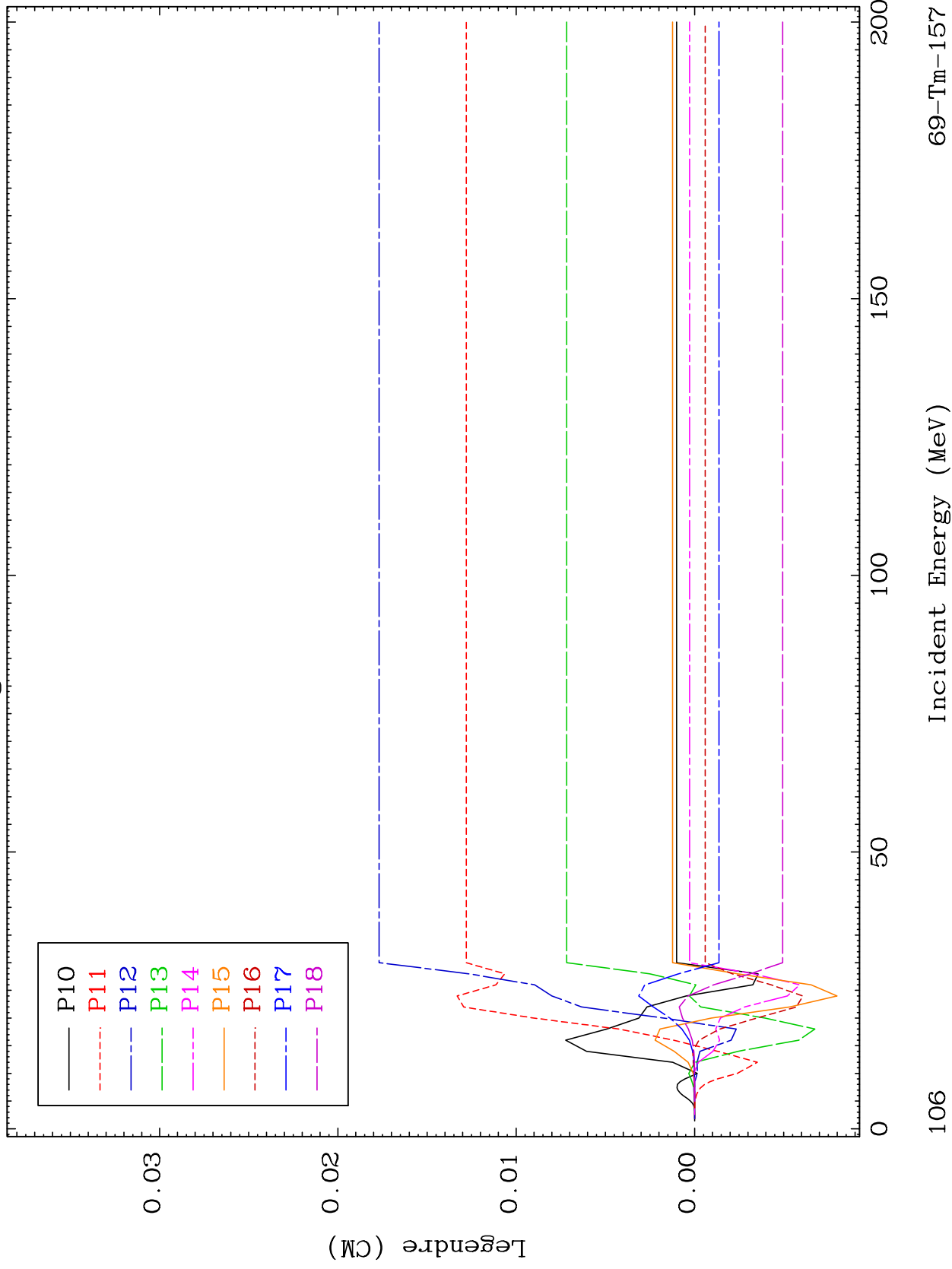
150

200

MAT 6889

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

69-Tm-157



106

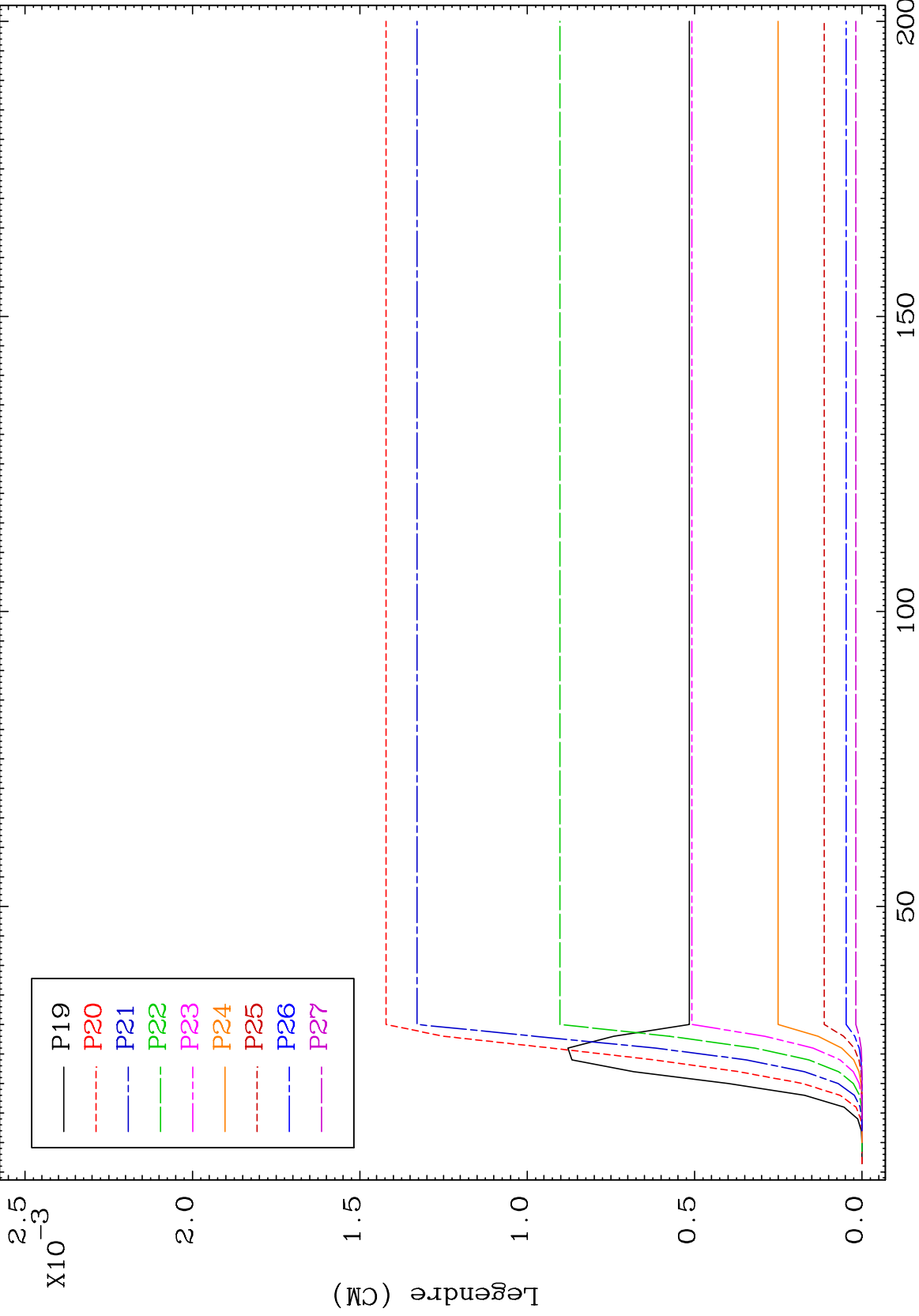
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



107

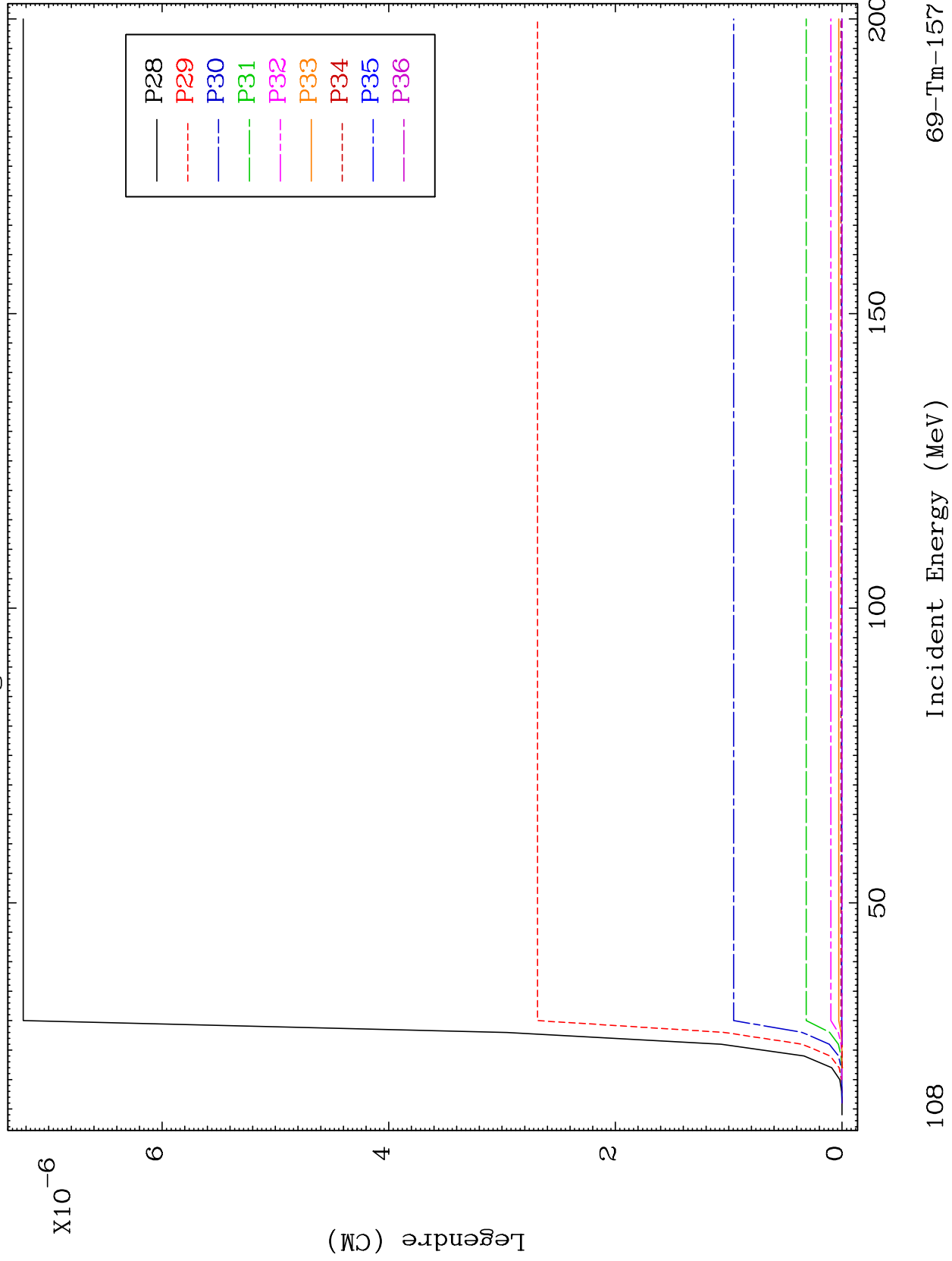
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



108

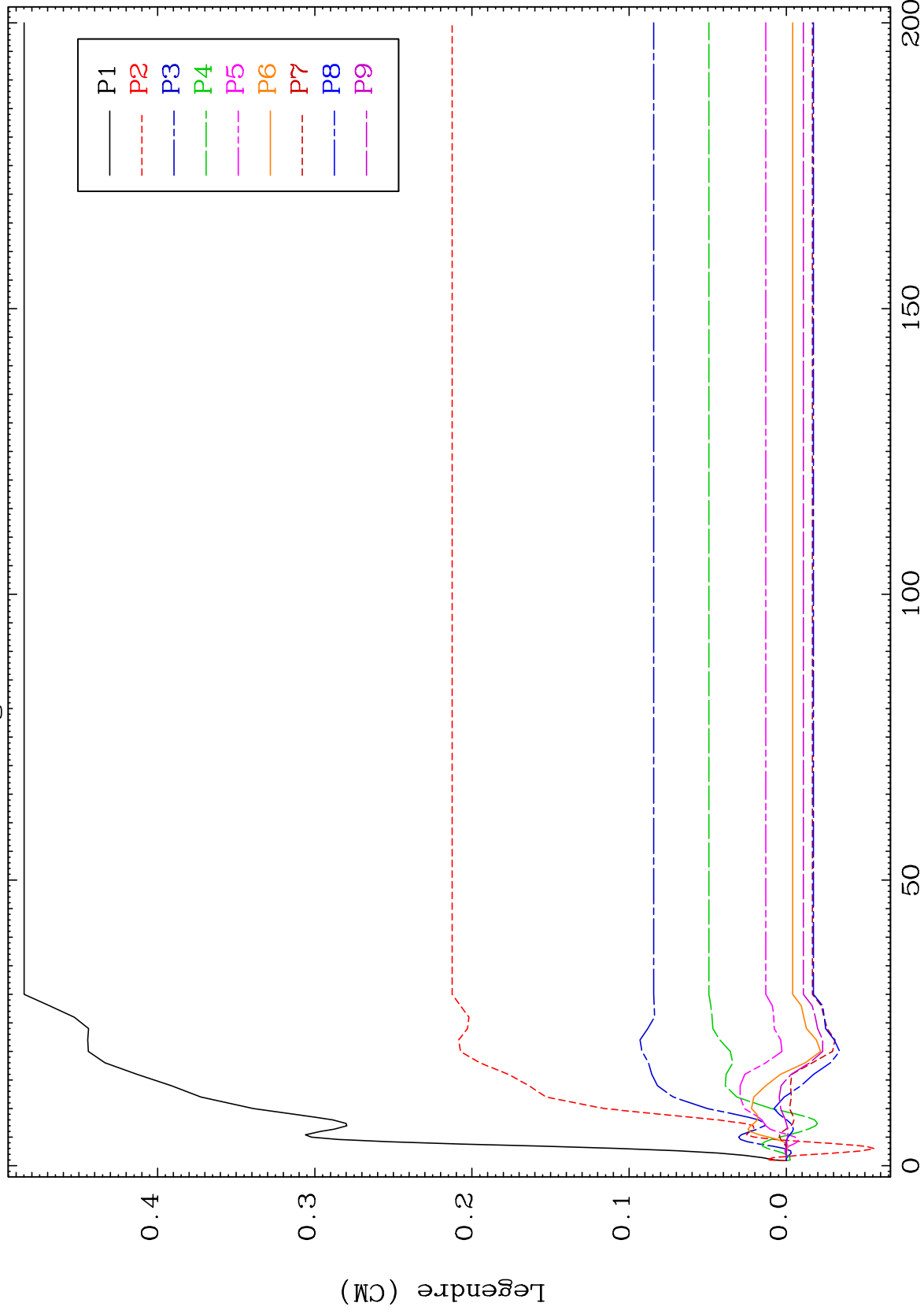
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



109

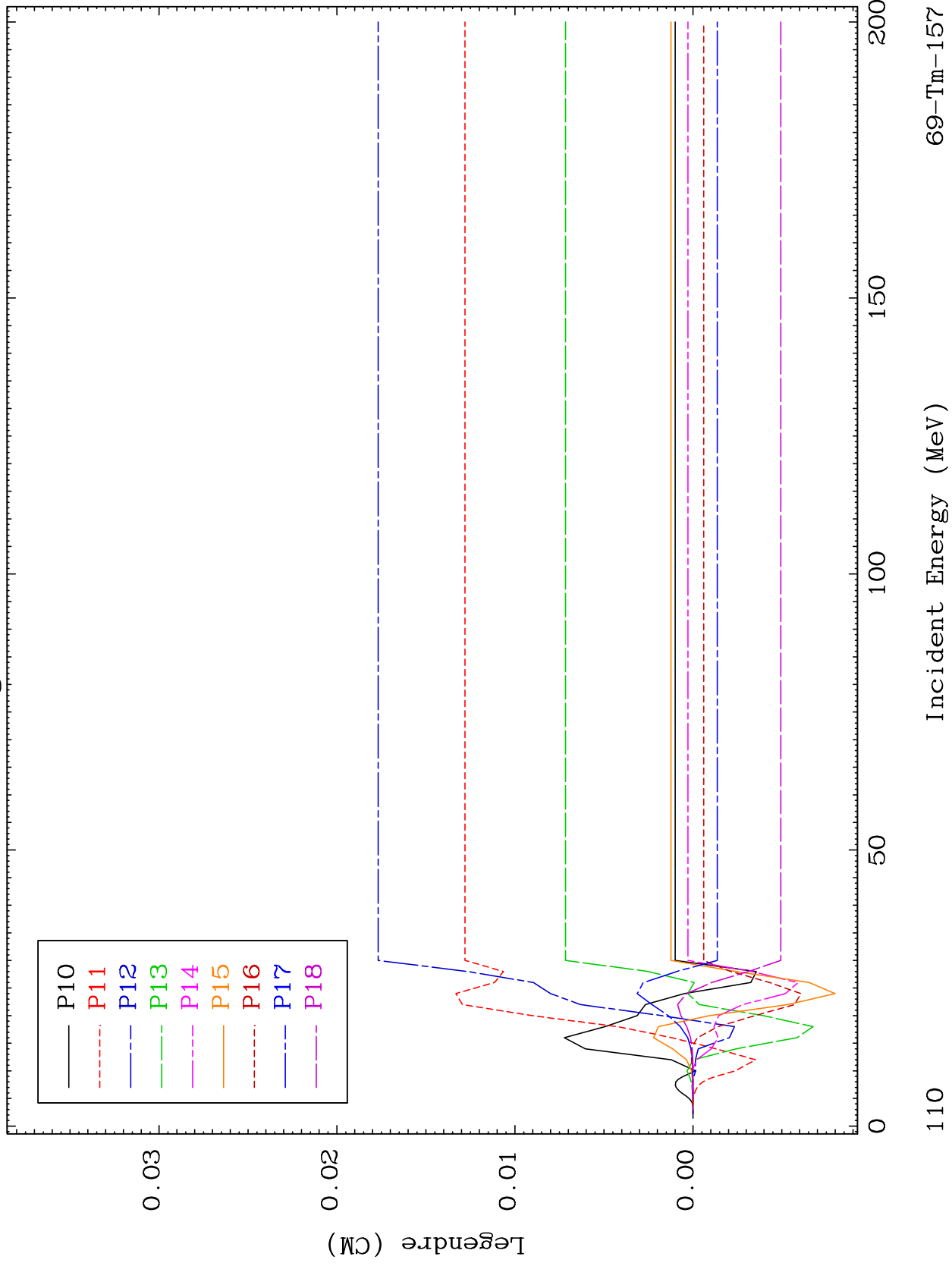
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



69-Tm-157

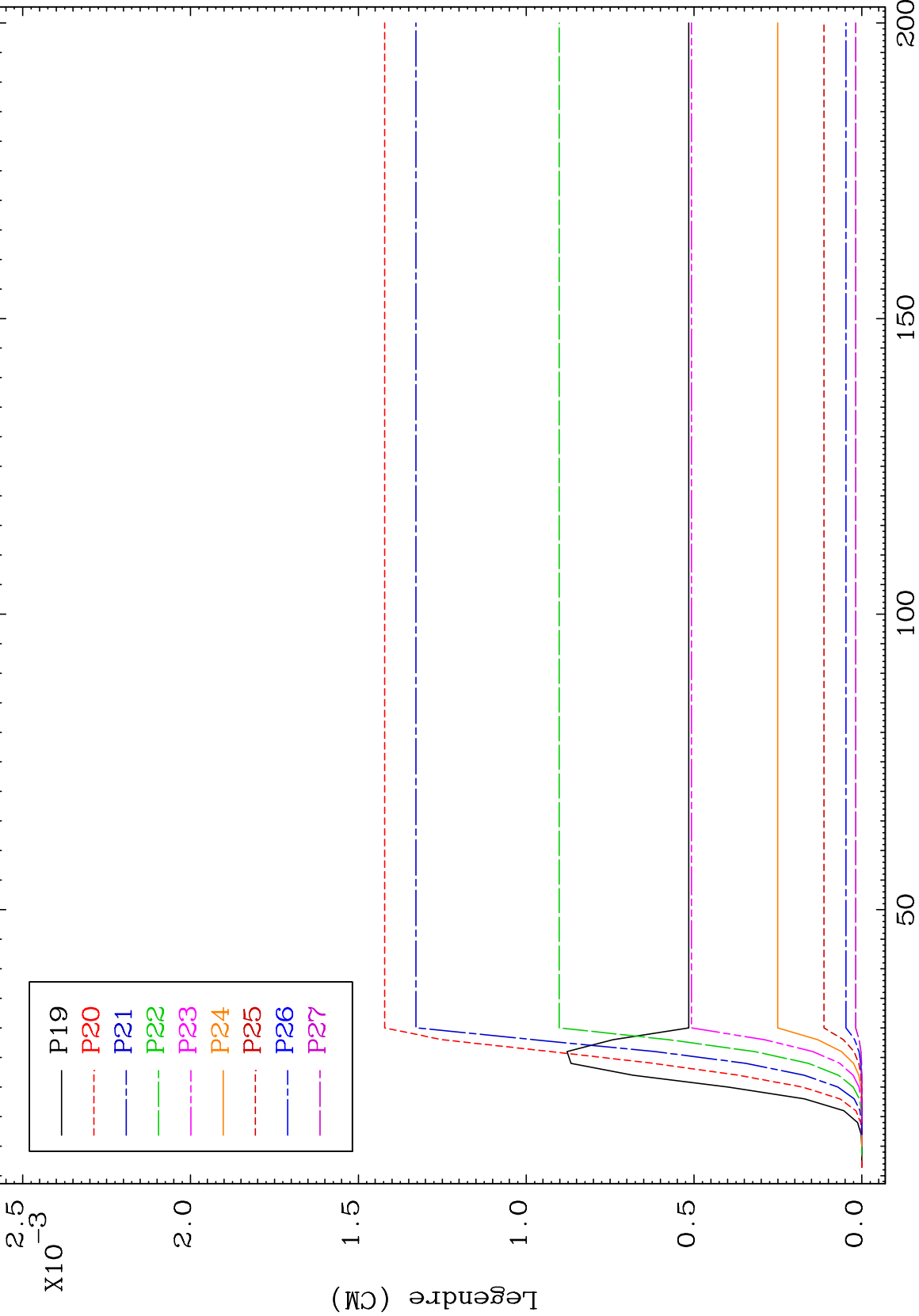
Incident Energy (MeV)

110

MAT 6889

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

69-Tm-157



111

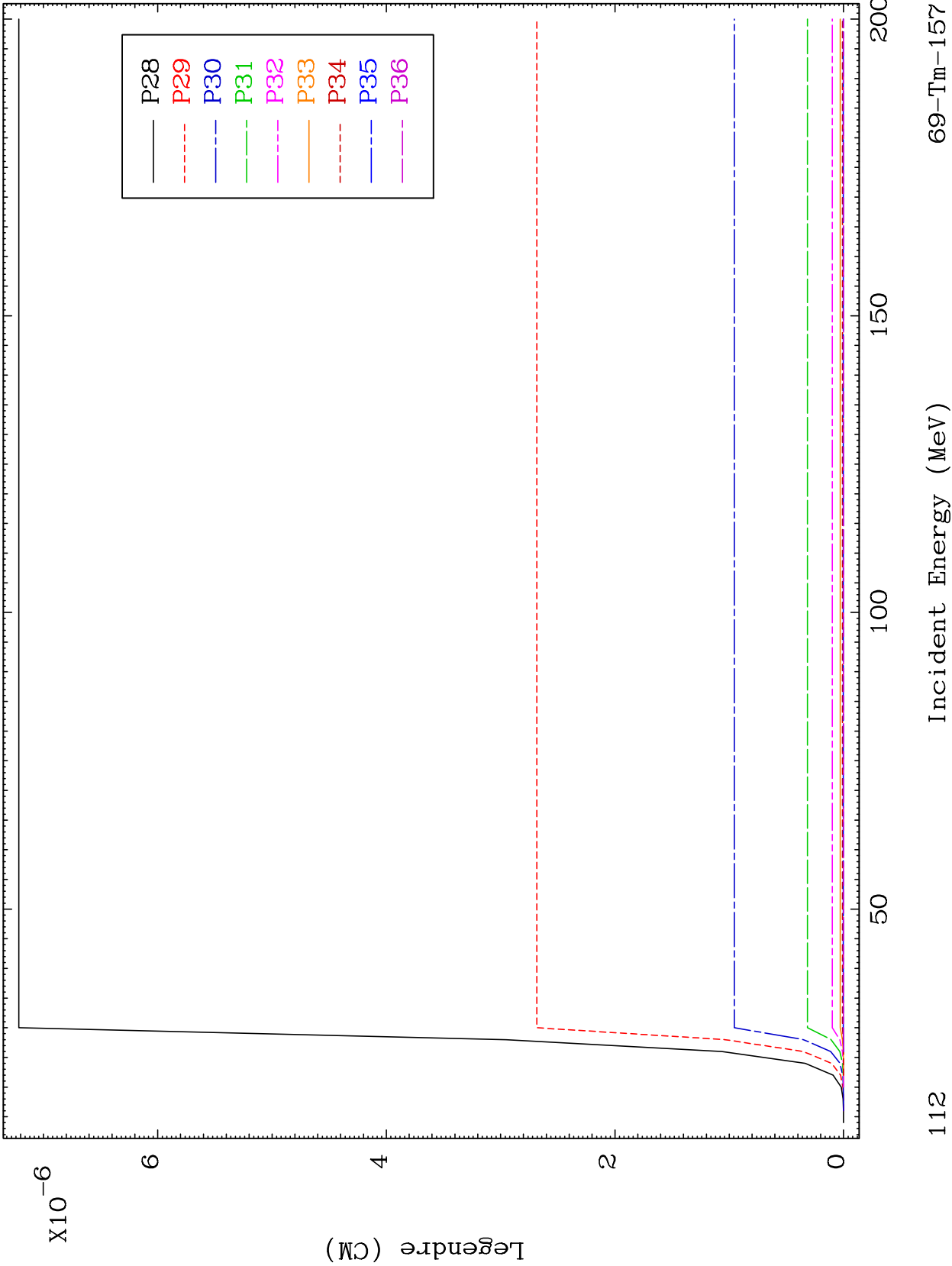
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



112

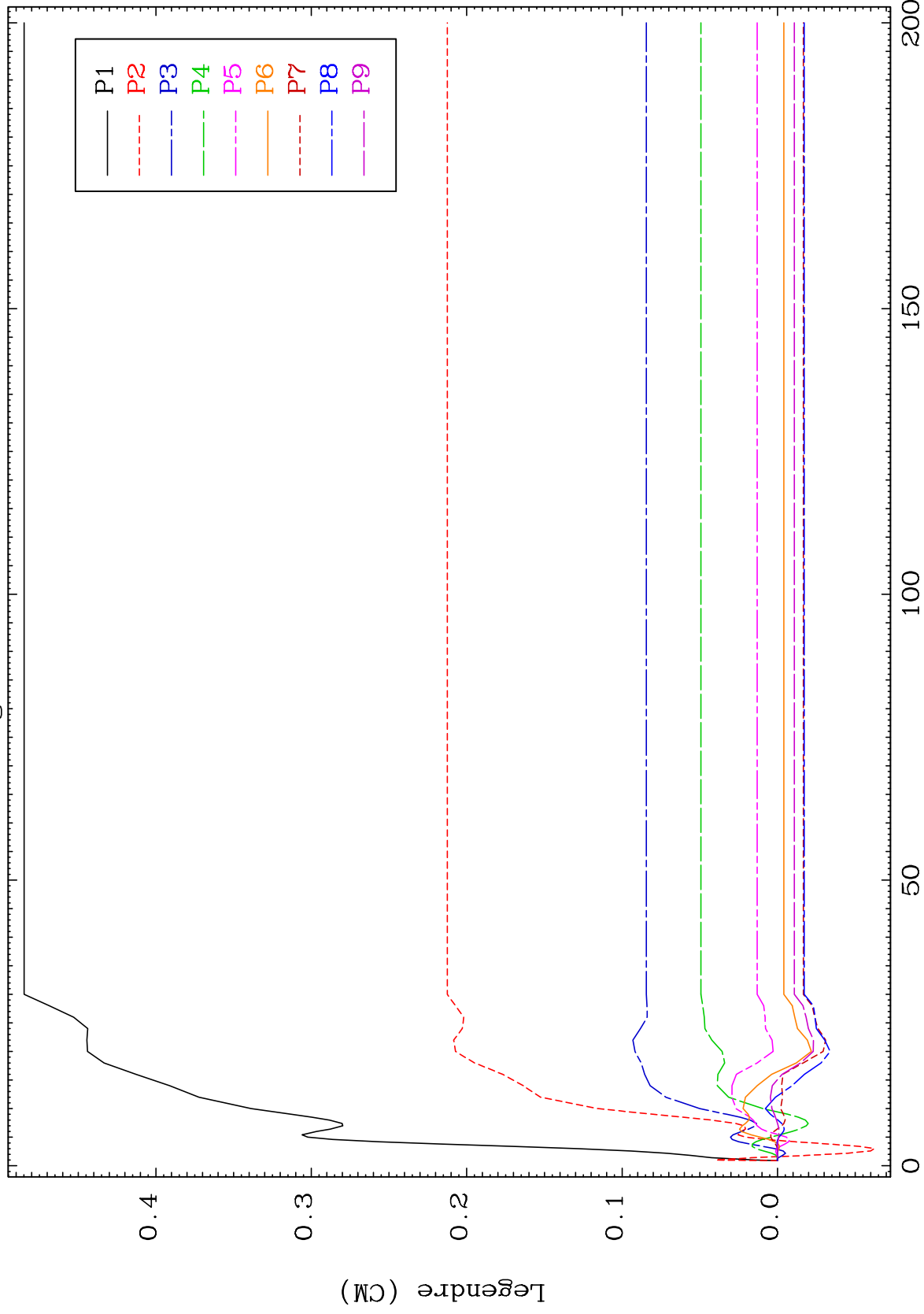
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



113

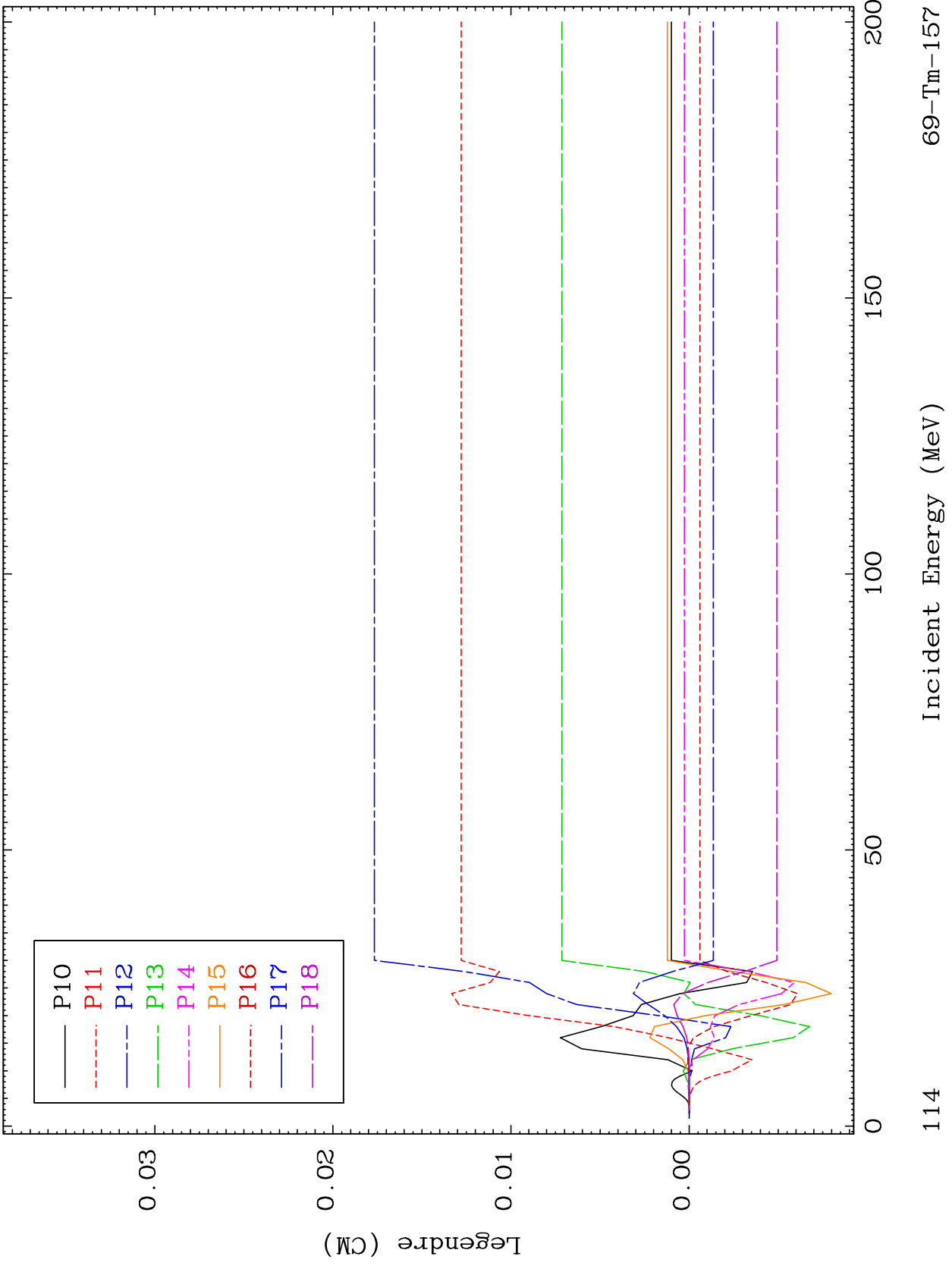
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



114

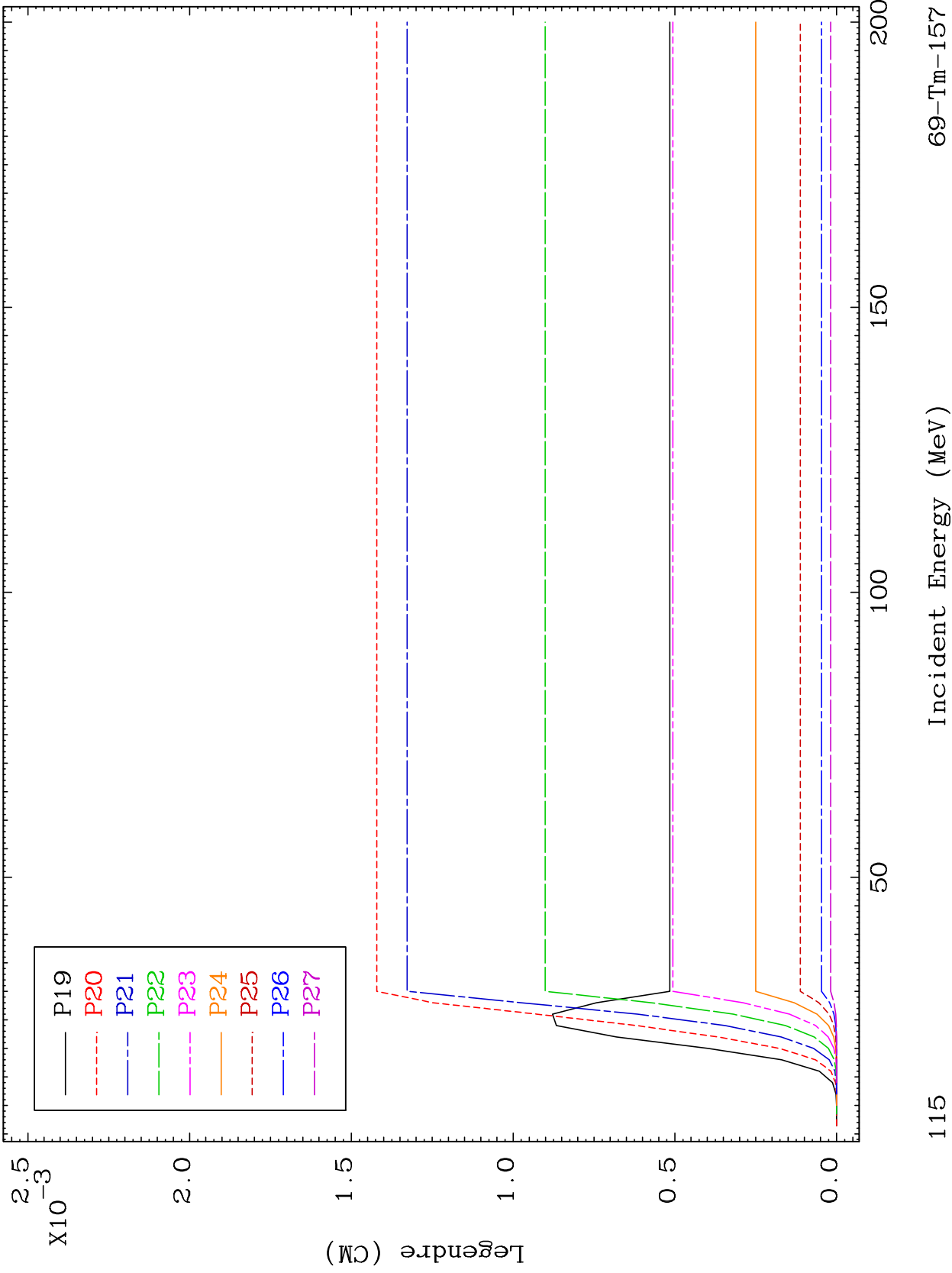
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



115

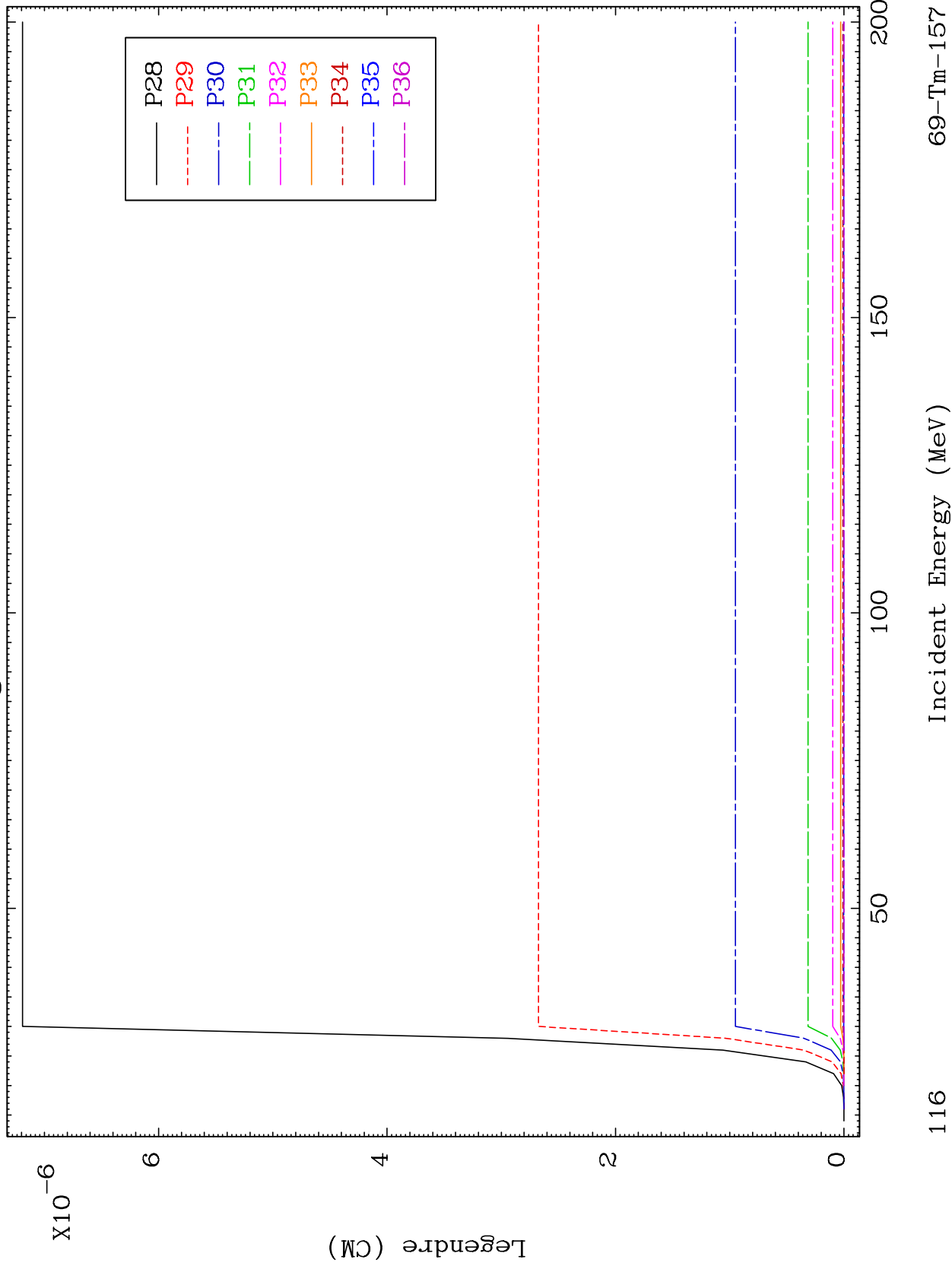
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



116

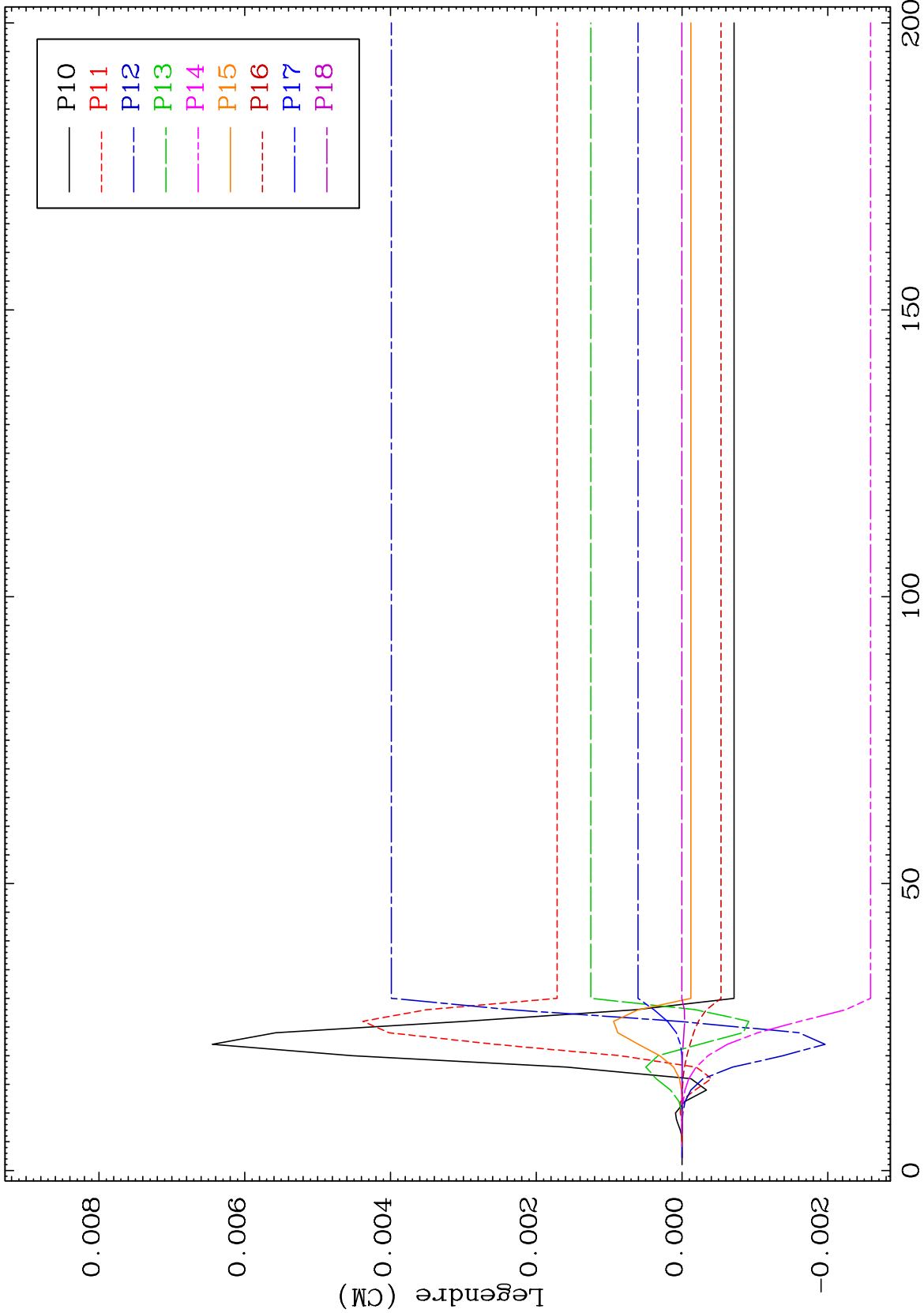
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



118

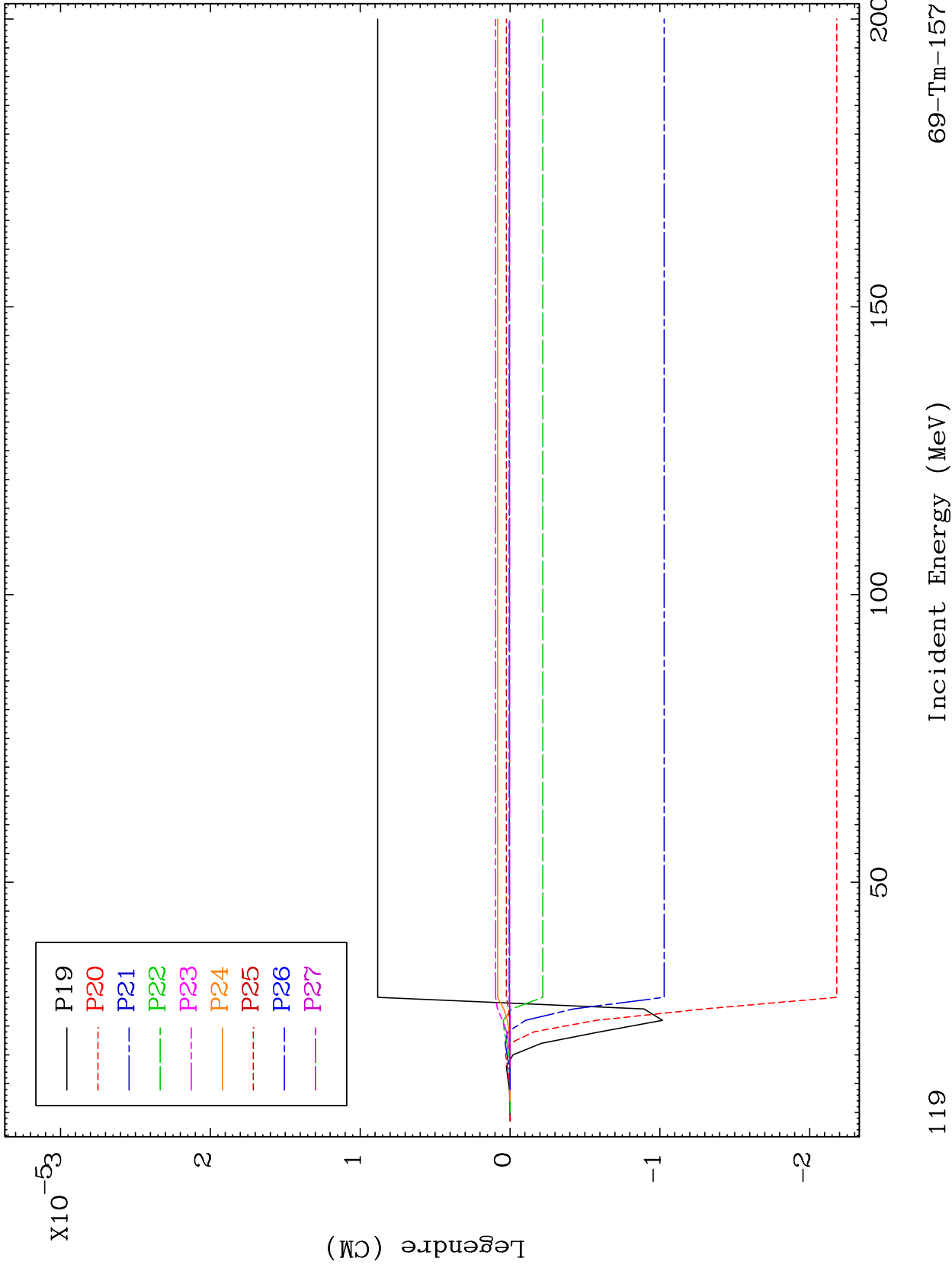
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



119

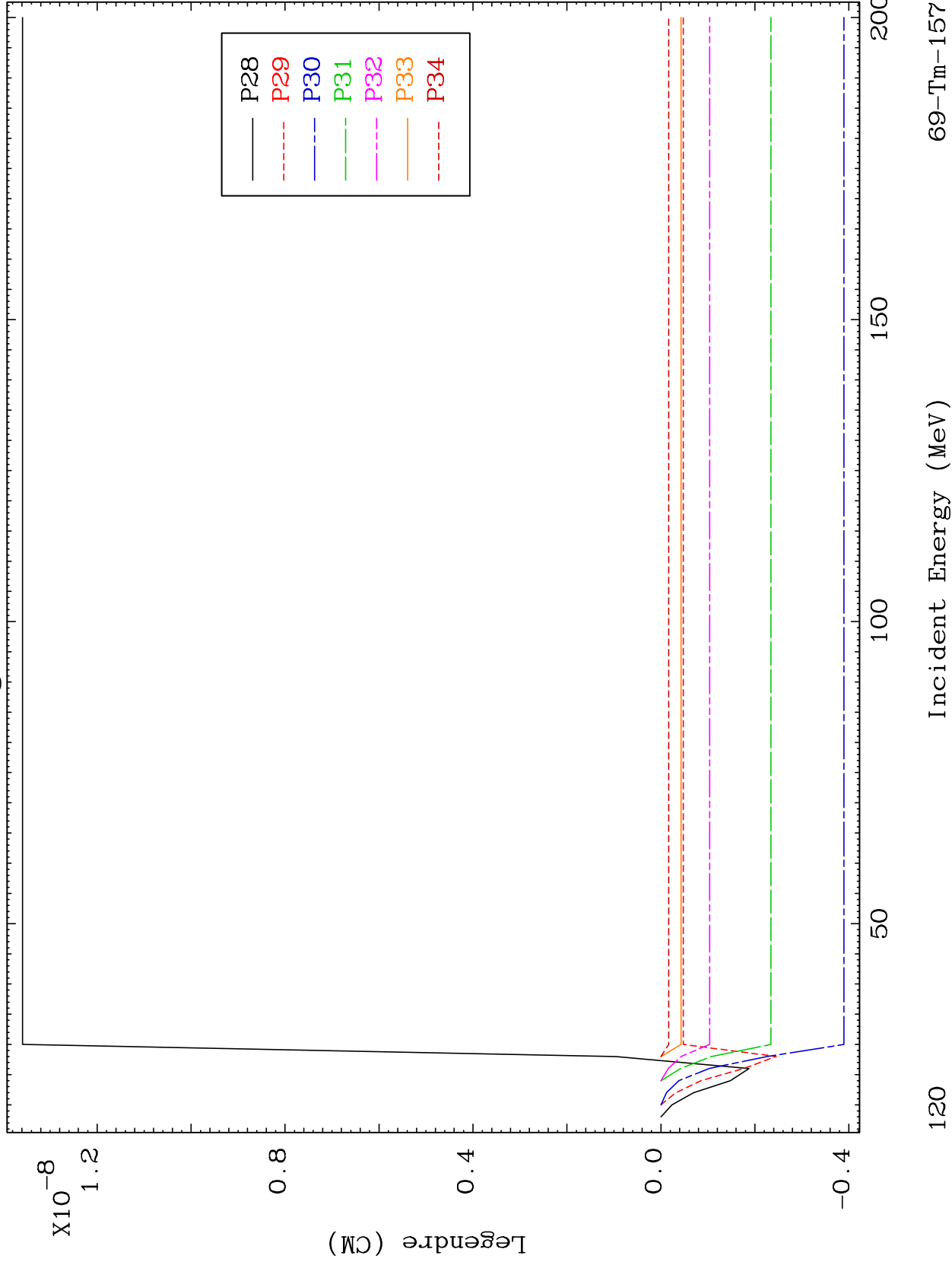
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



120

Incident Energy (MeV)

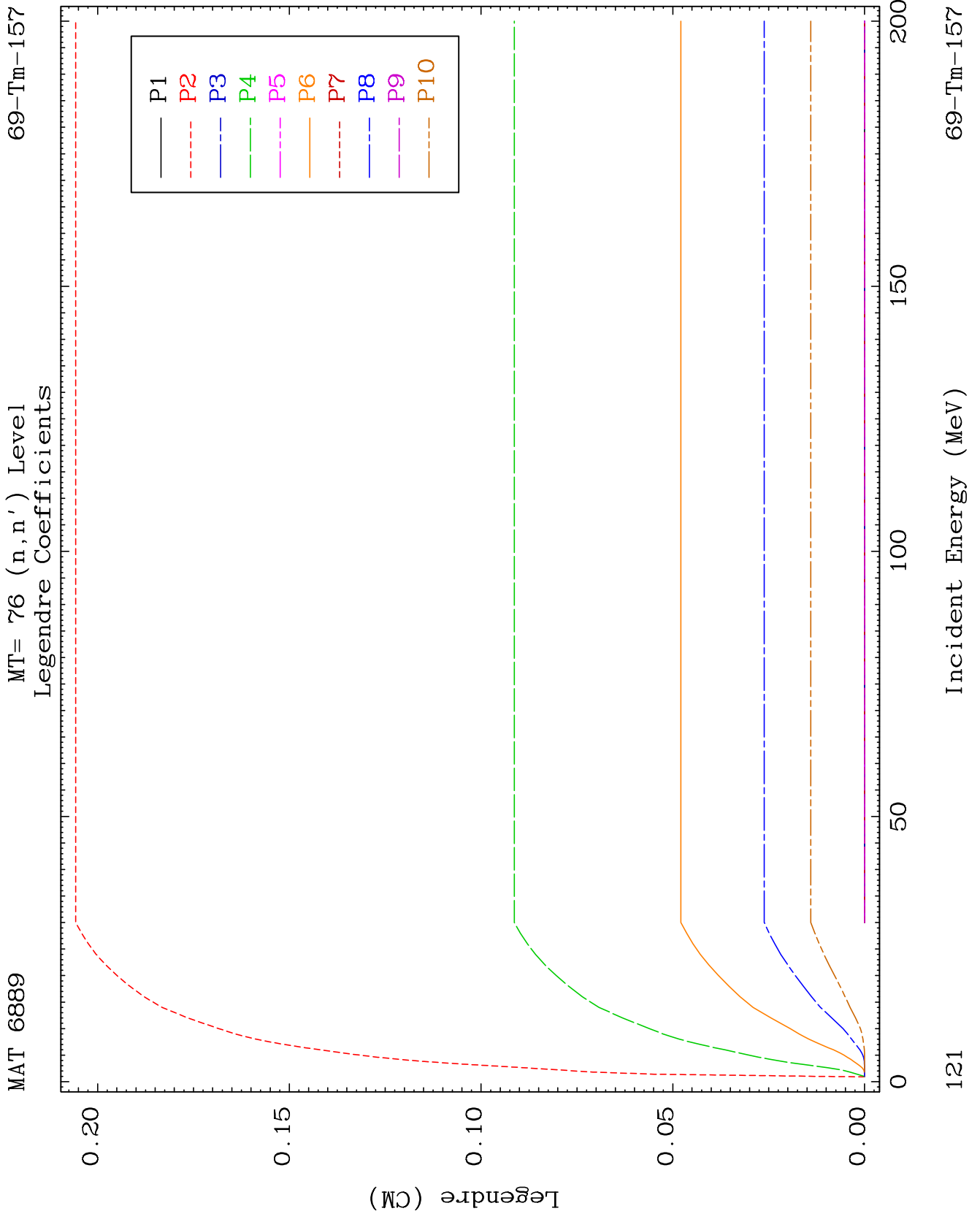
50

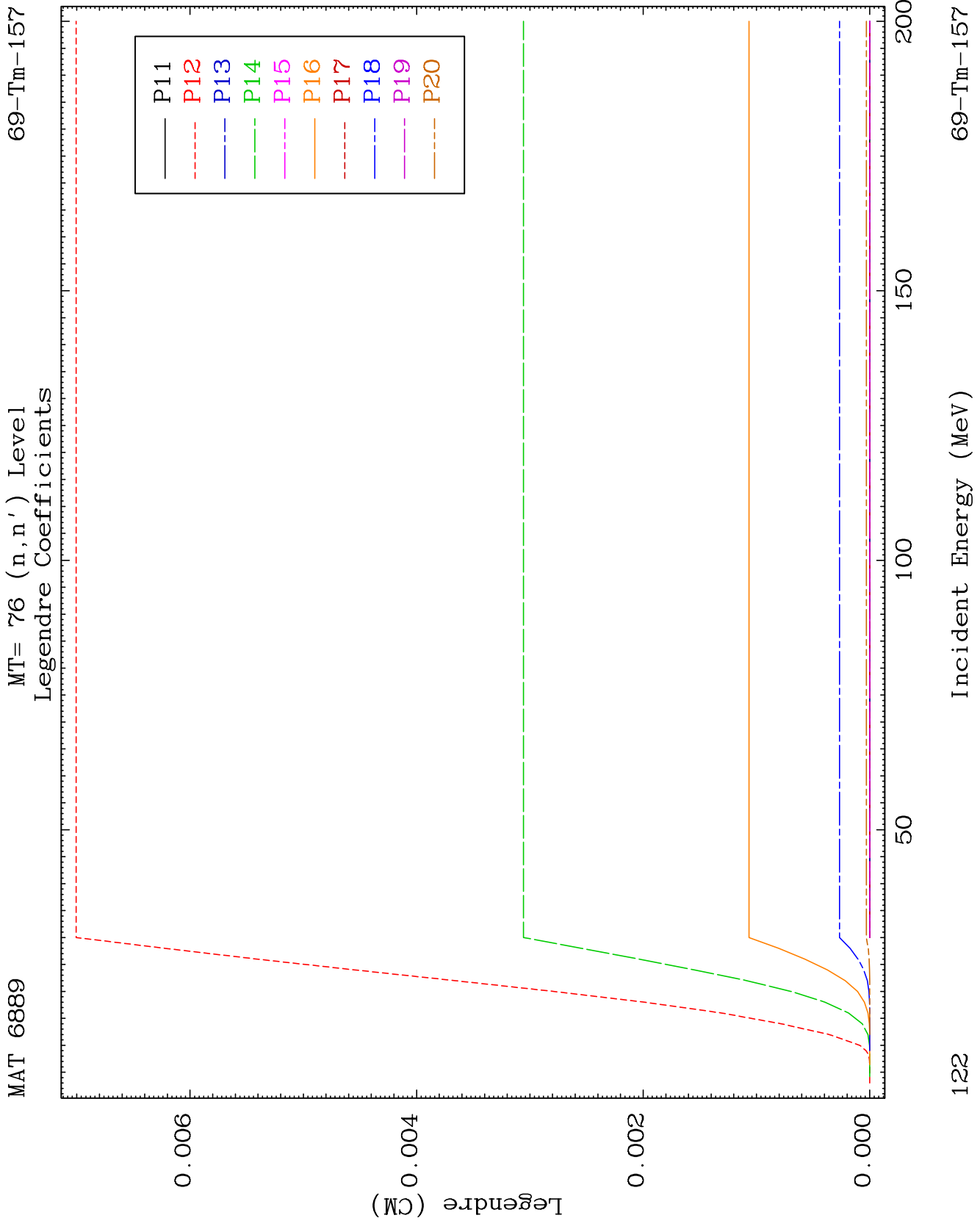
100

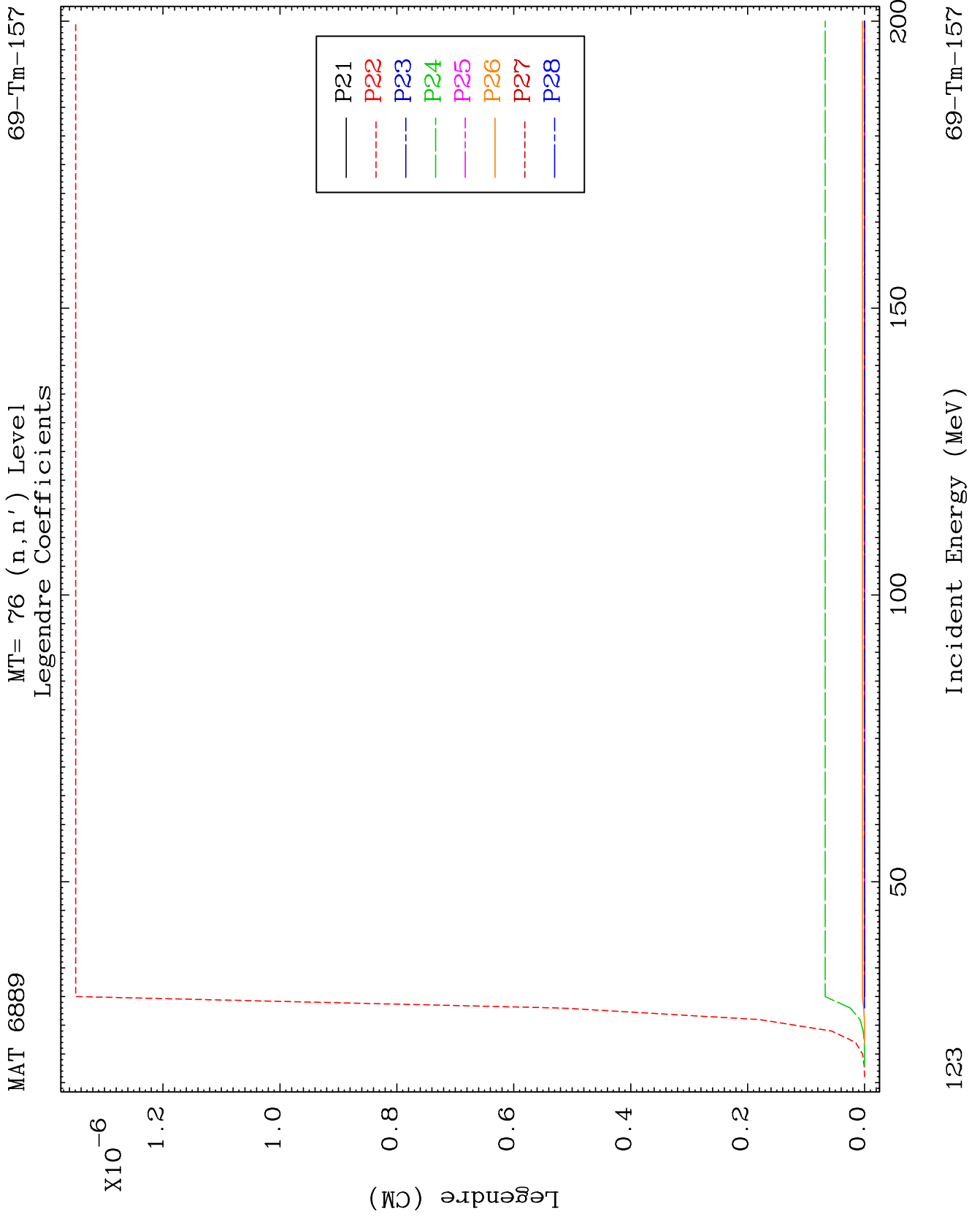
150

200

69-Tm-157



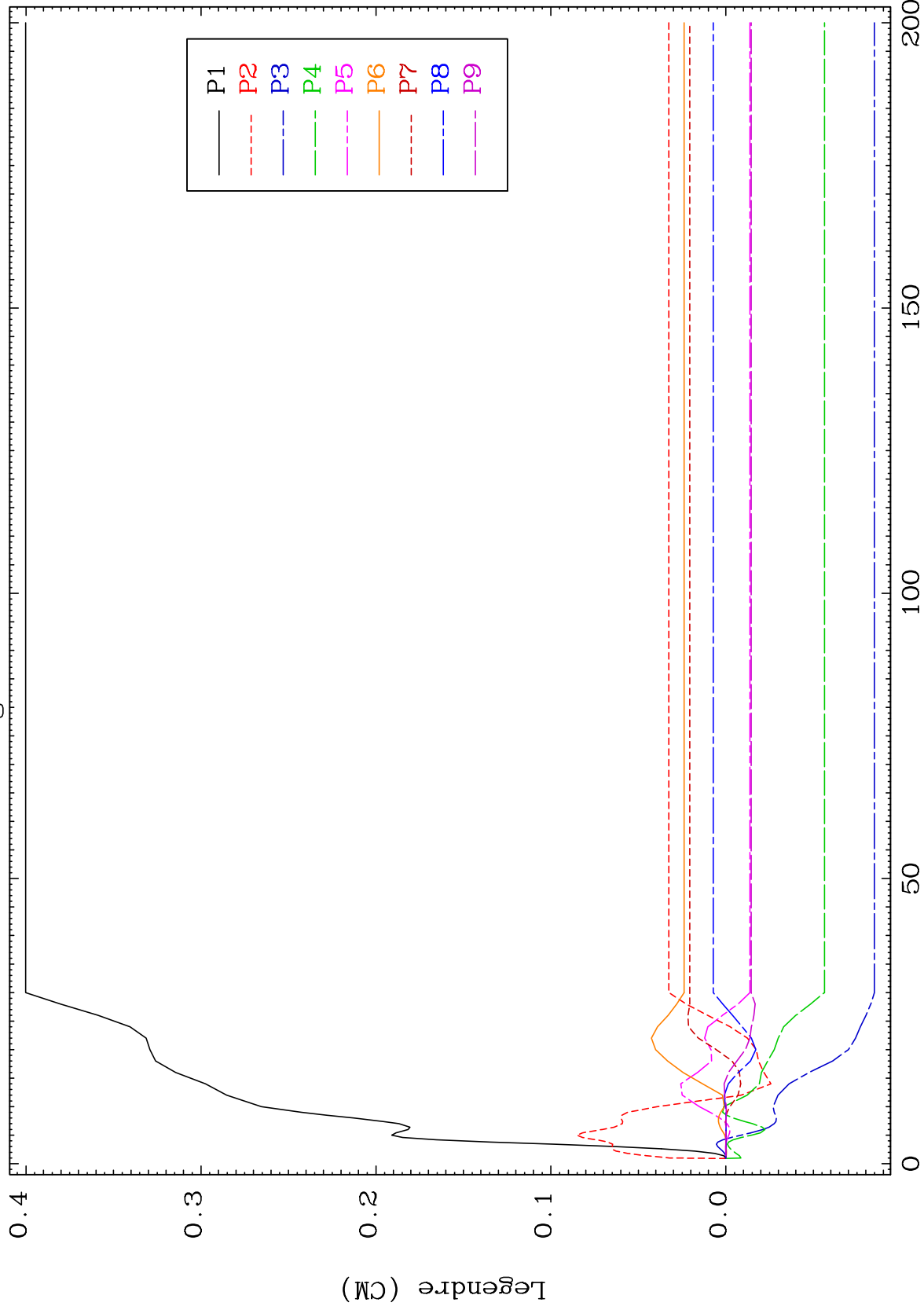




MAT 6889

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

69-Tm-157



69-Tm-157

Incident Energy (MeV)

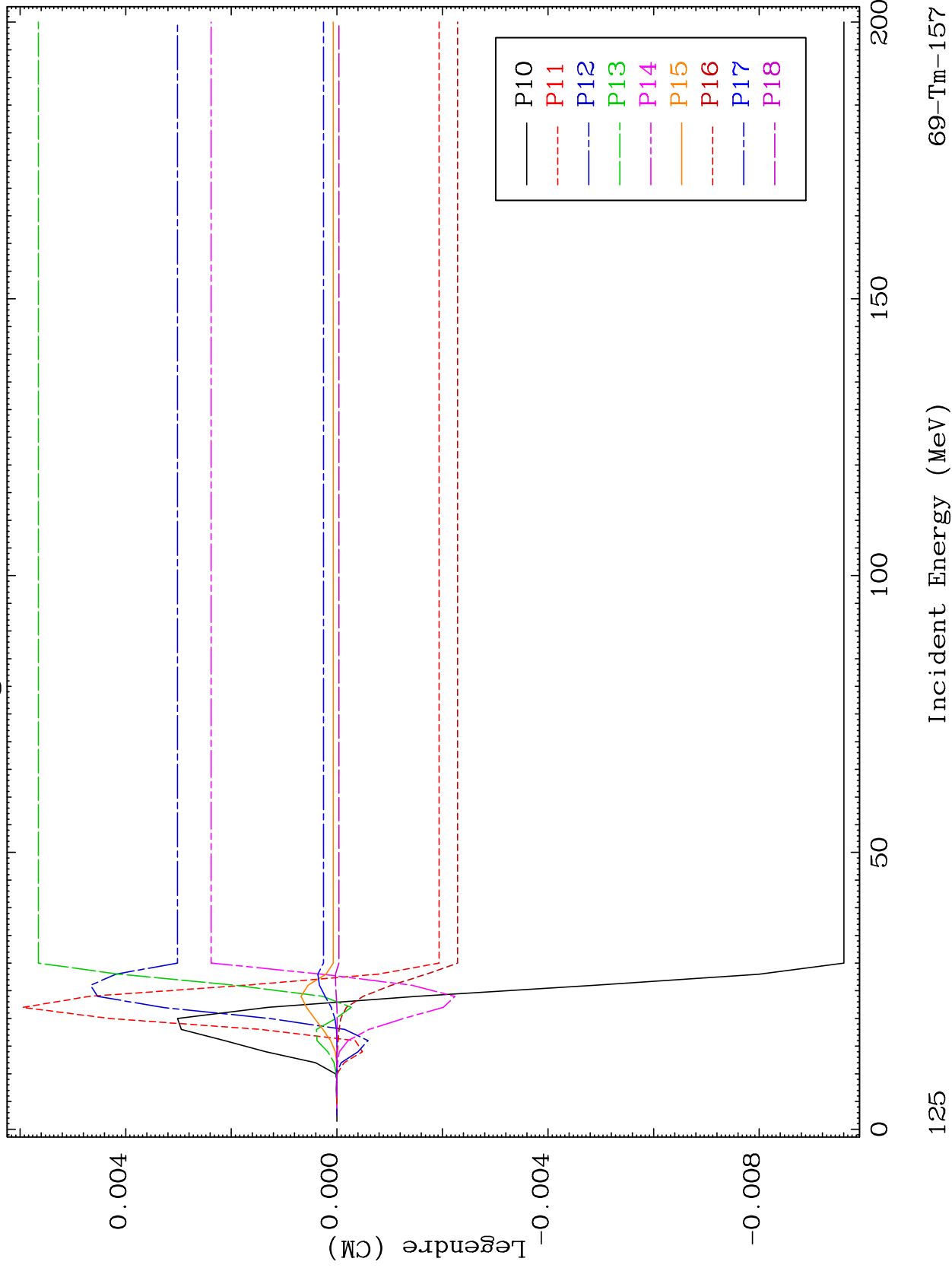
124

MAT 6889

MT= 77 (n,n') Level

69-Tm-157

Legendre Coefficients



125

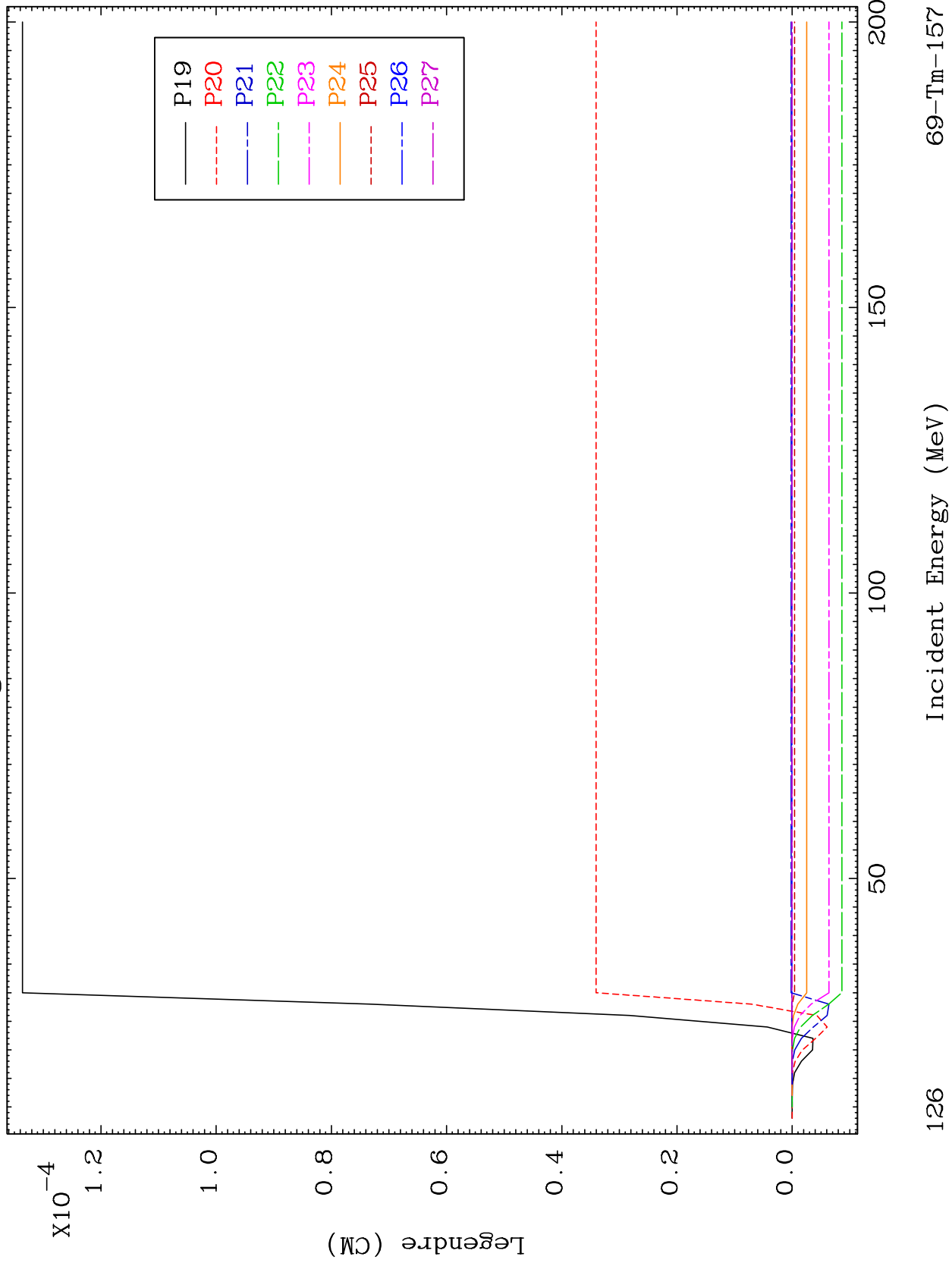
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



126

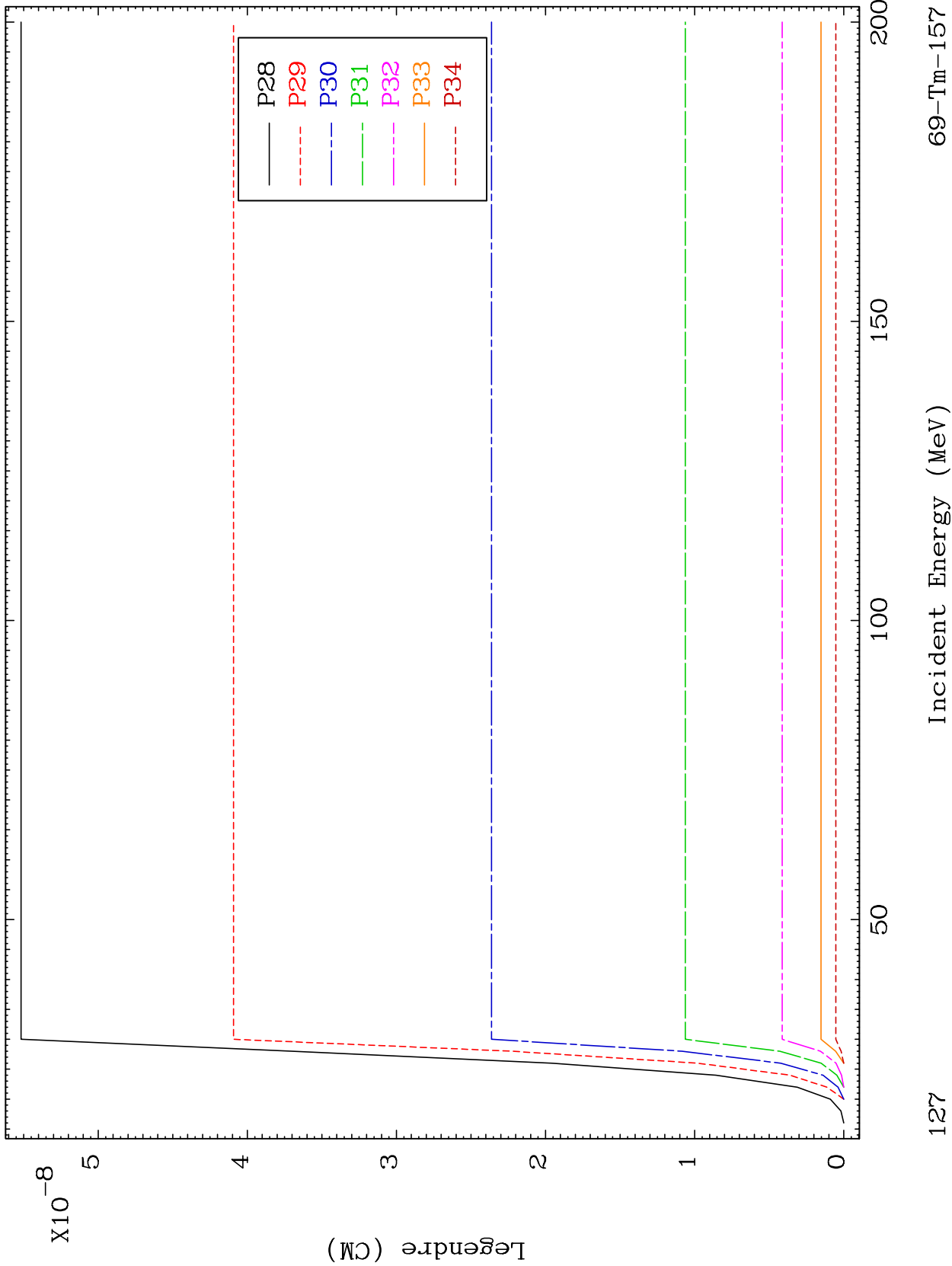
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



127

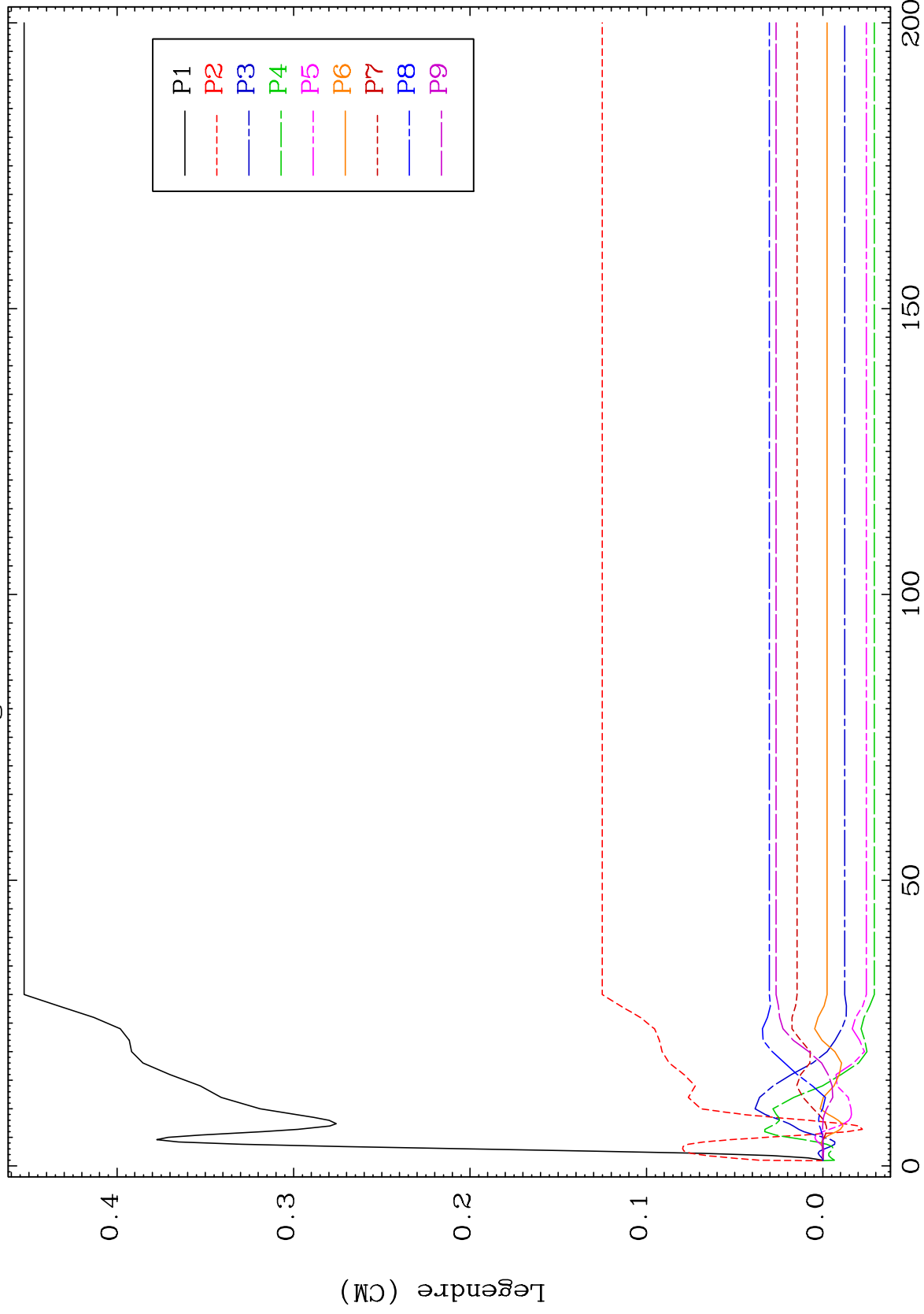
Incident Energy (MeV)

69-Tm-157

MAT 6889

MT= 78 (n,n') Level
Legendre Coefficients

69-Tm-157



128

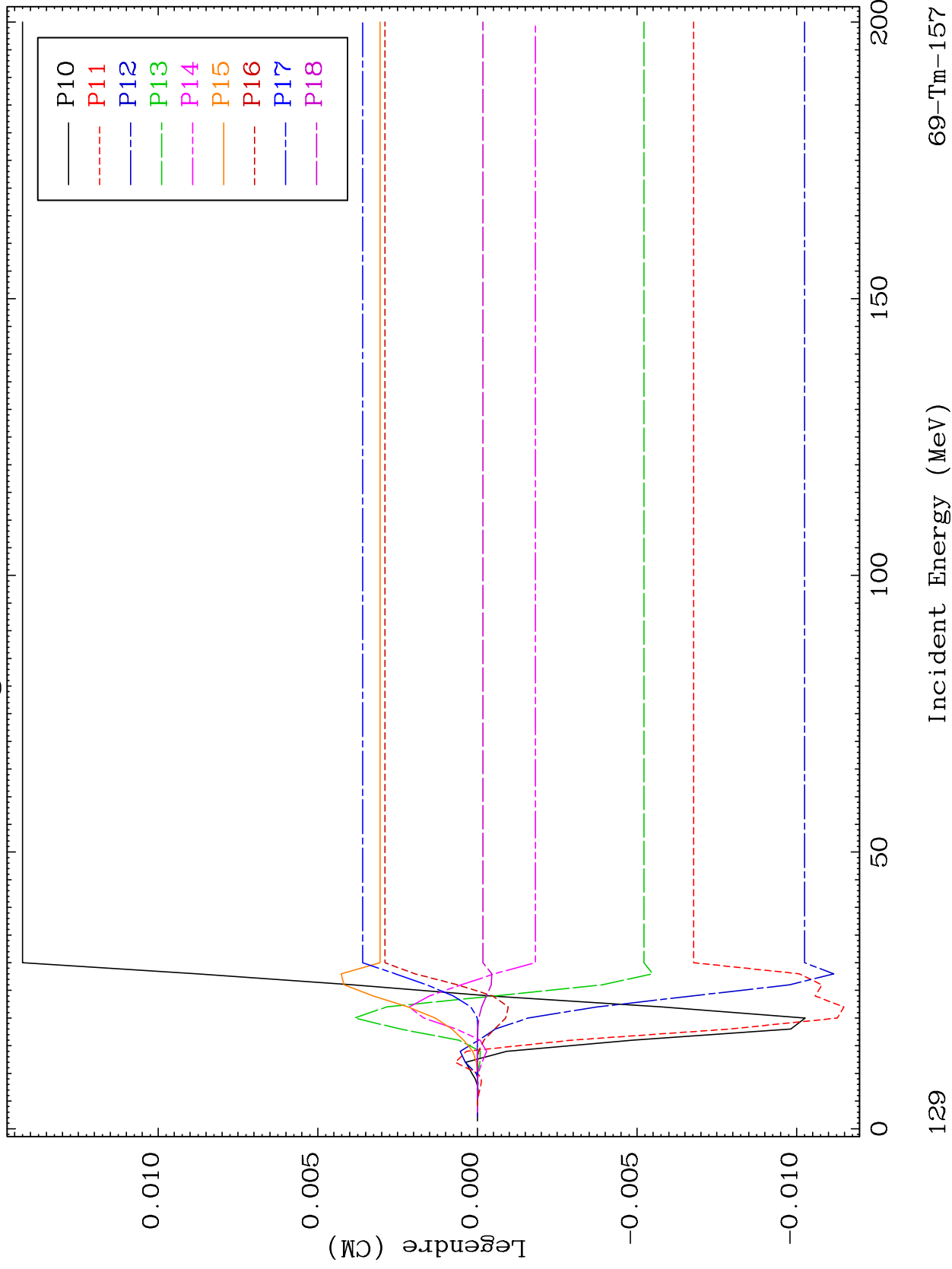
Incident Energy (MeV)

69-Tm-157

MAT 6889

MT= 78 (n,n') Level
Legendre Coefficients

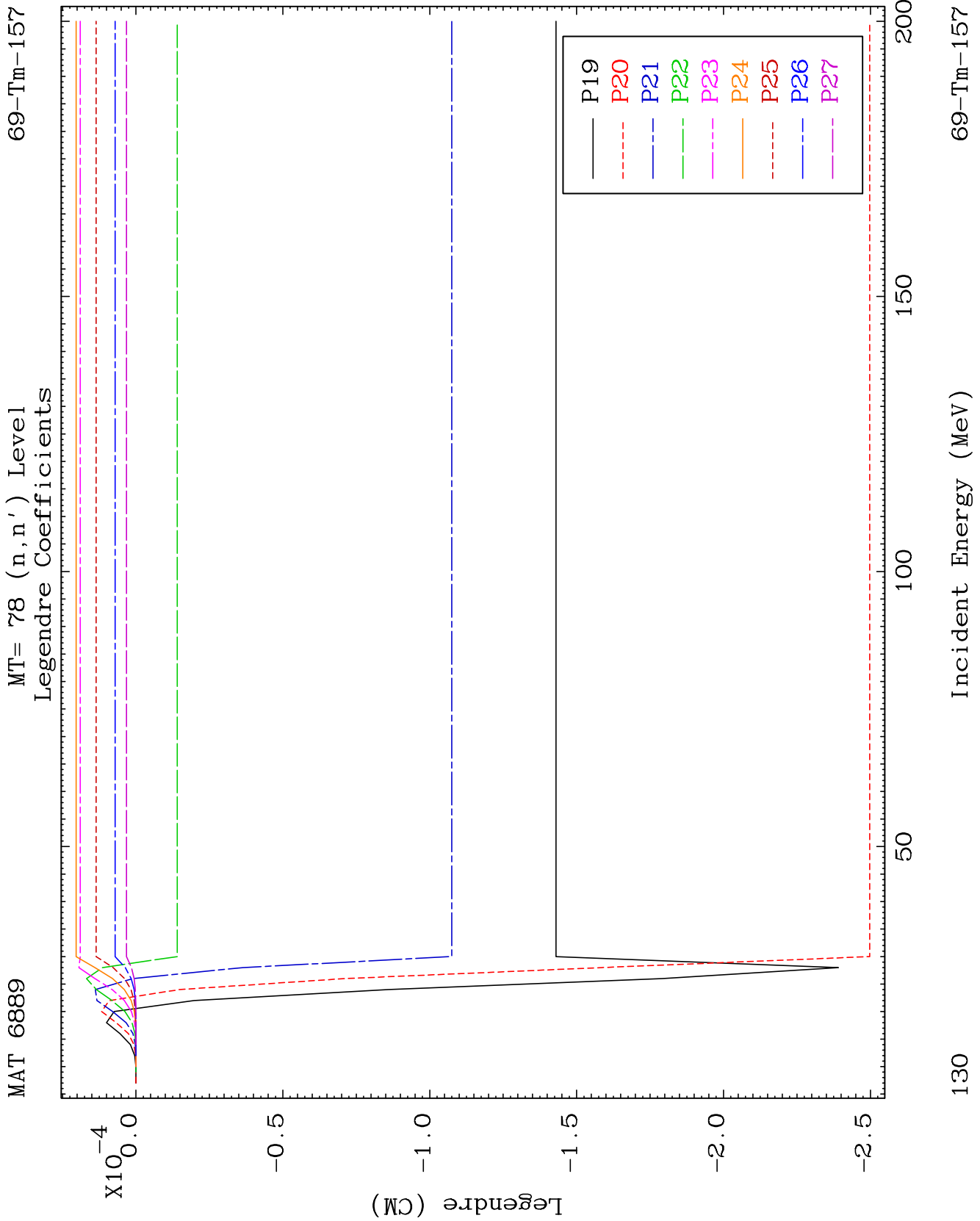
69-Tm-157



129

Incident Energy (MeV)

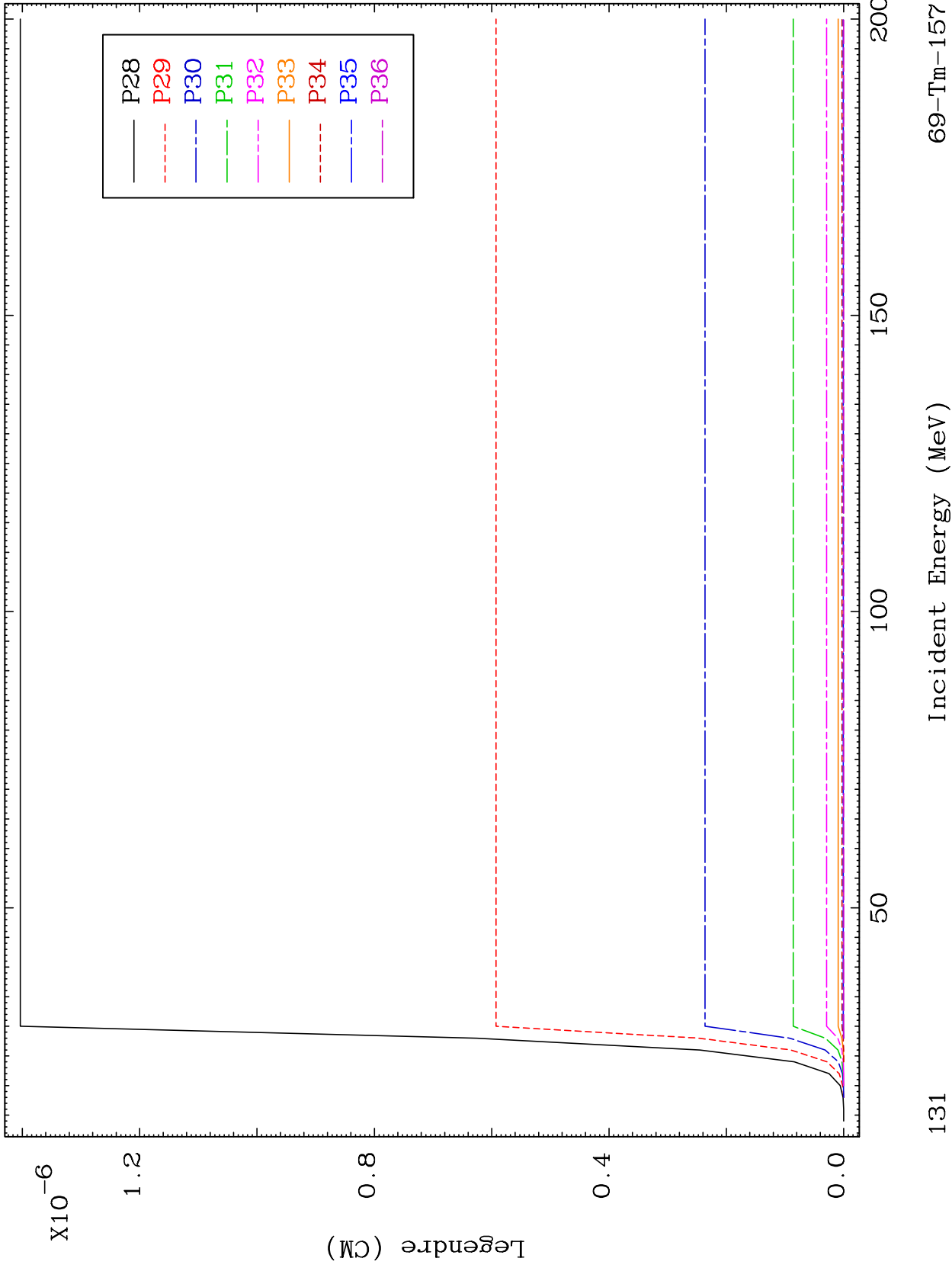
69-Tm-157



MAT 6889

MT= 78 (n,n') Level
Legendre Coefficients

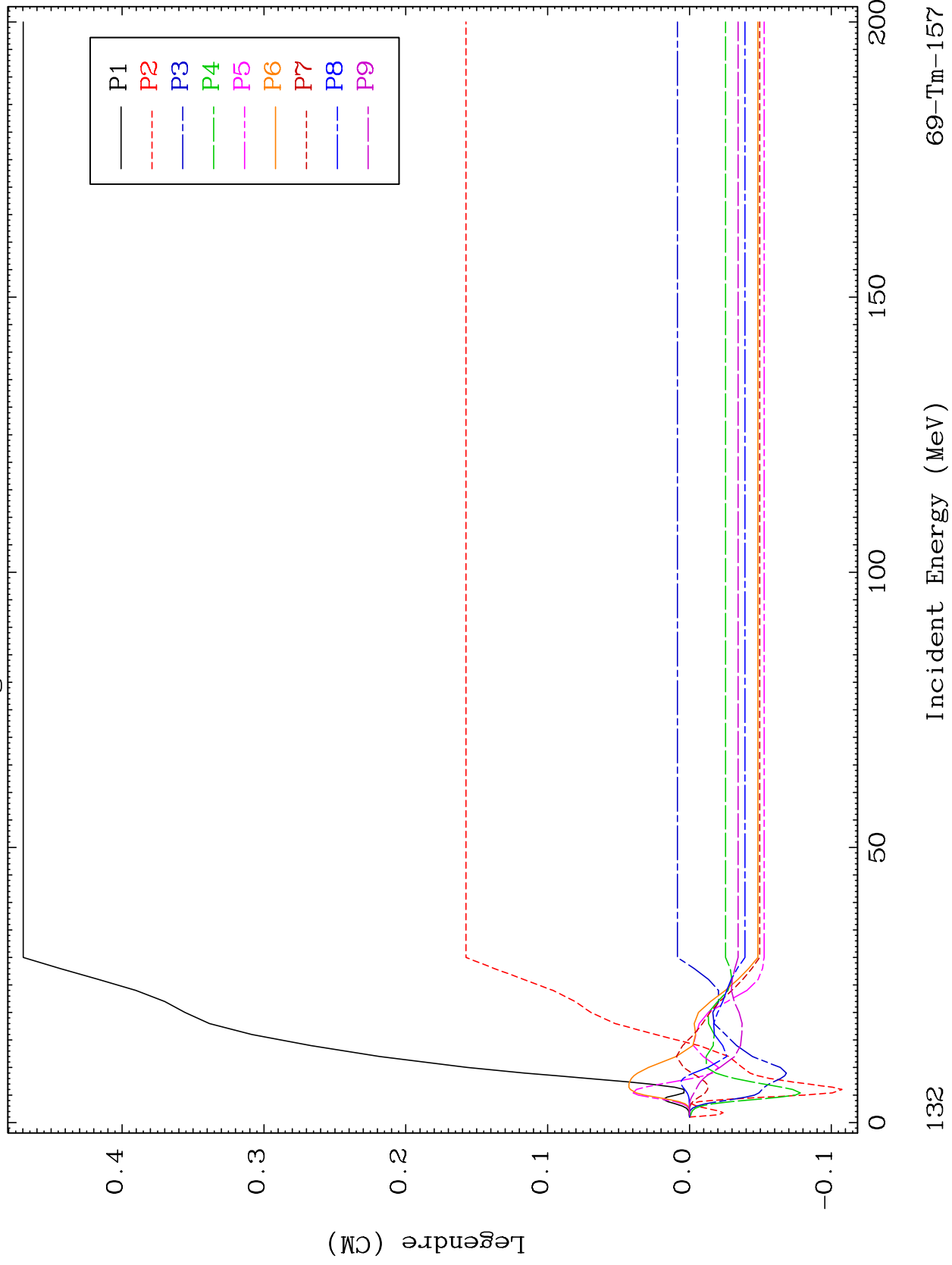
69-Tm-157



MAT 6889

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

69-Tm-157



69-Tm-157

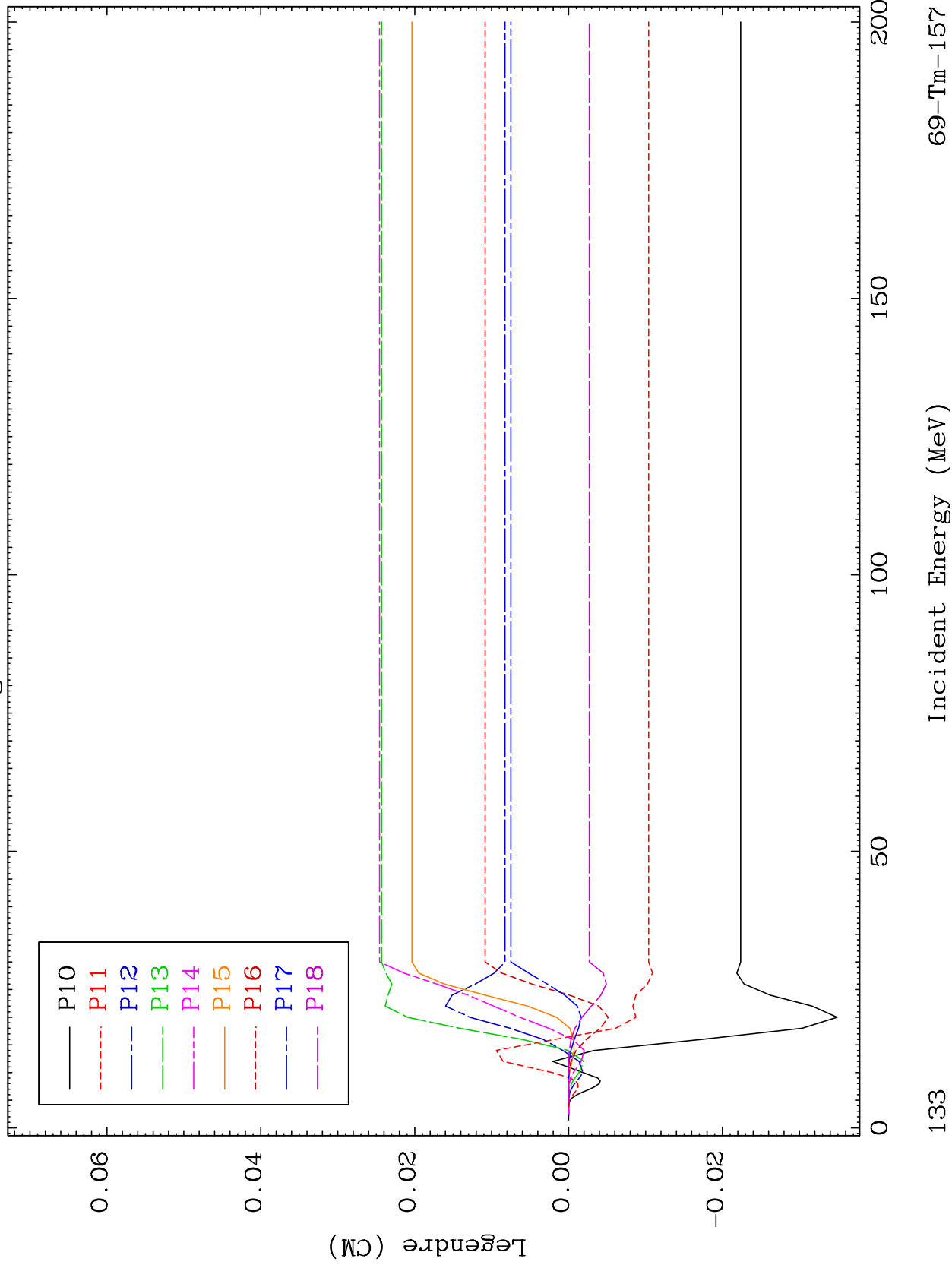
Incident Energy (MeV)

132

MAT 6889

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

69-Tm-157



133

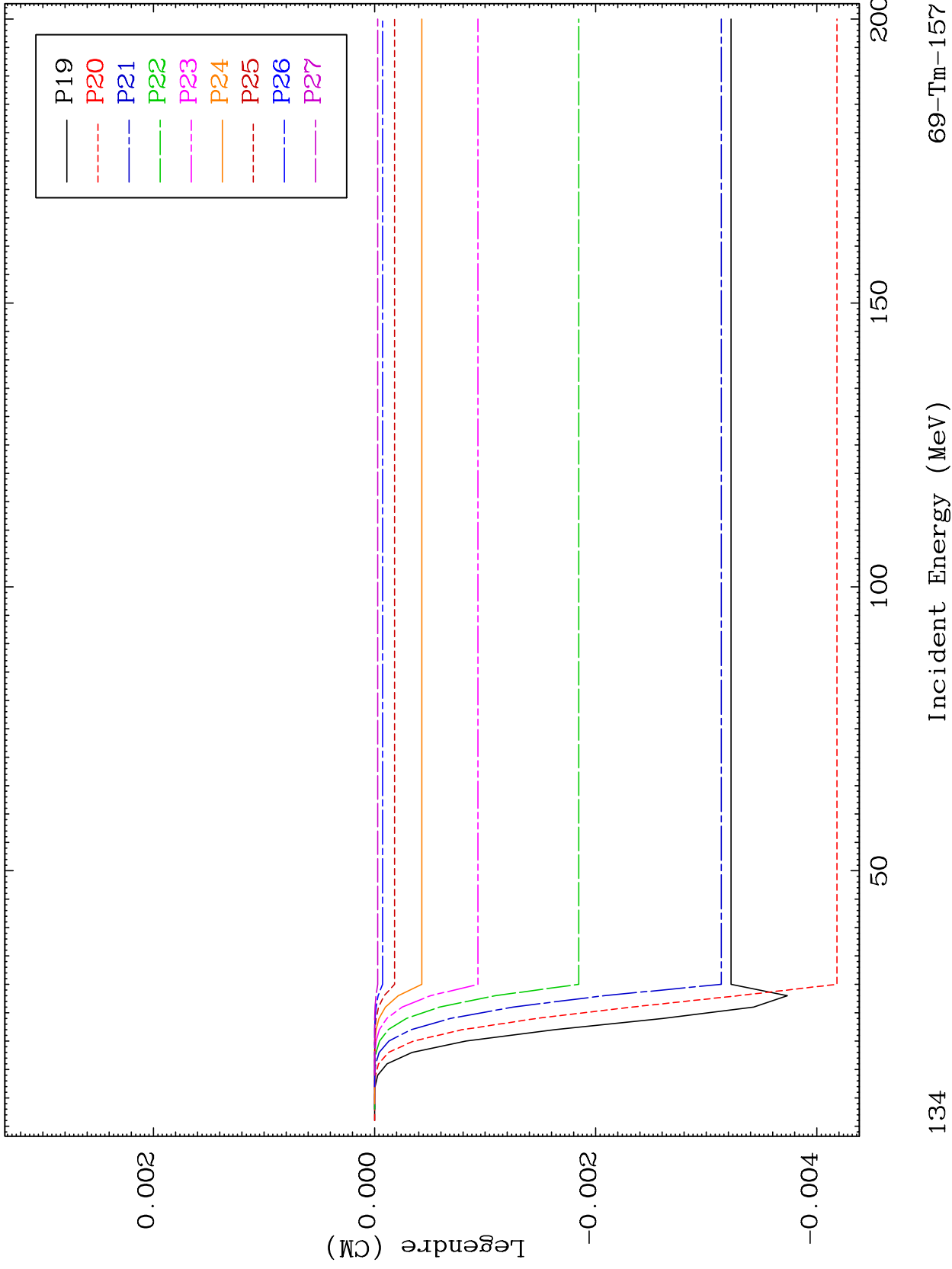
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

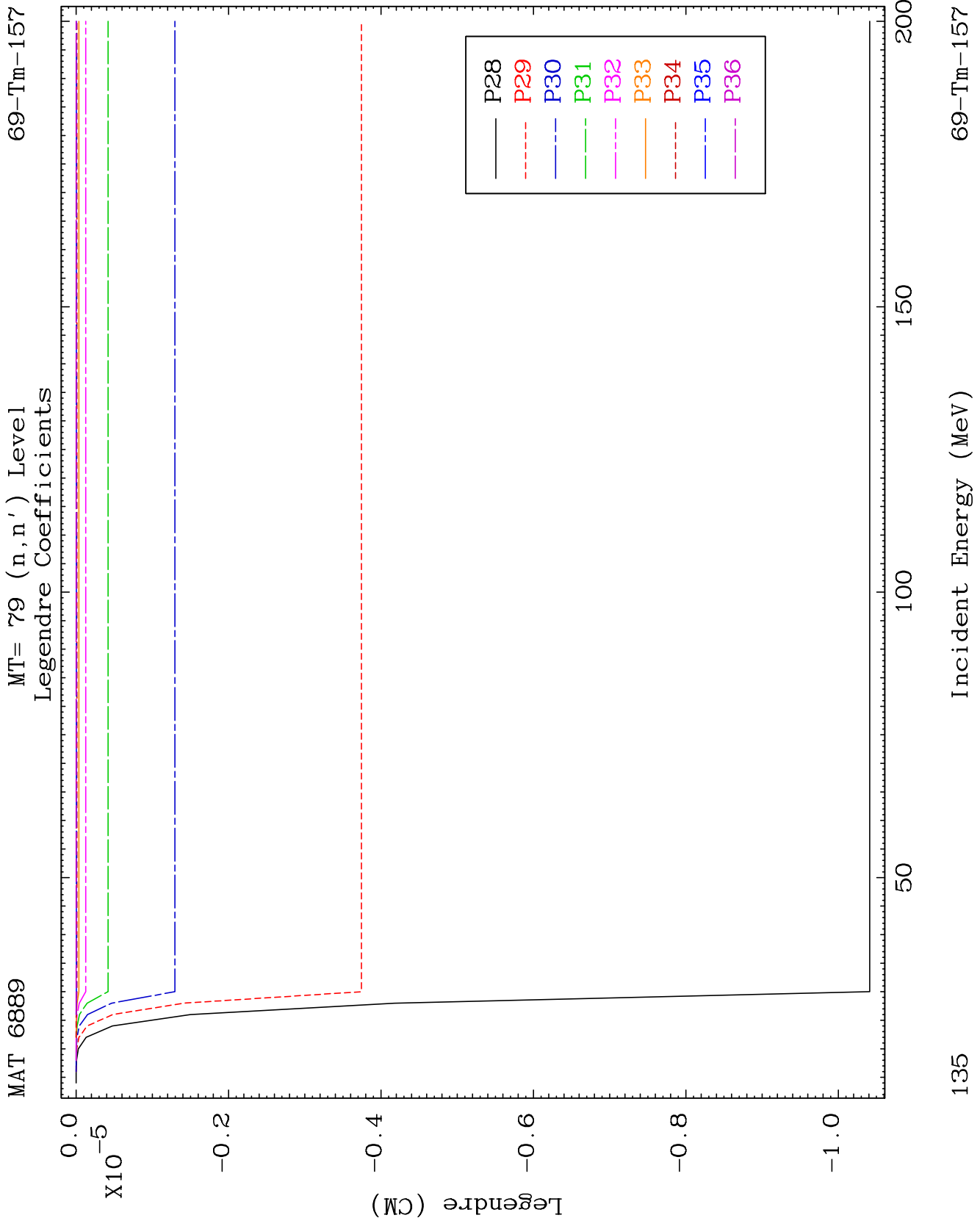
69-Tm-157



134

Incident Energy (MeV)

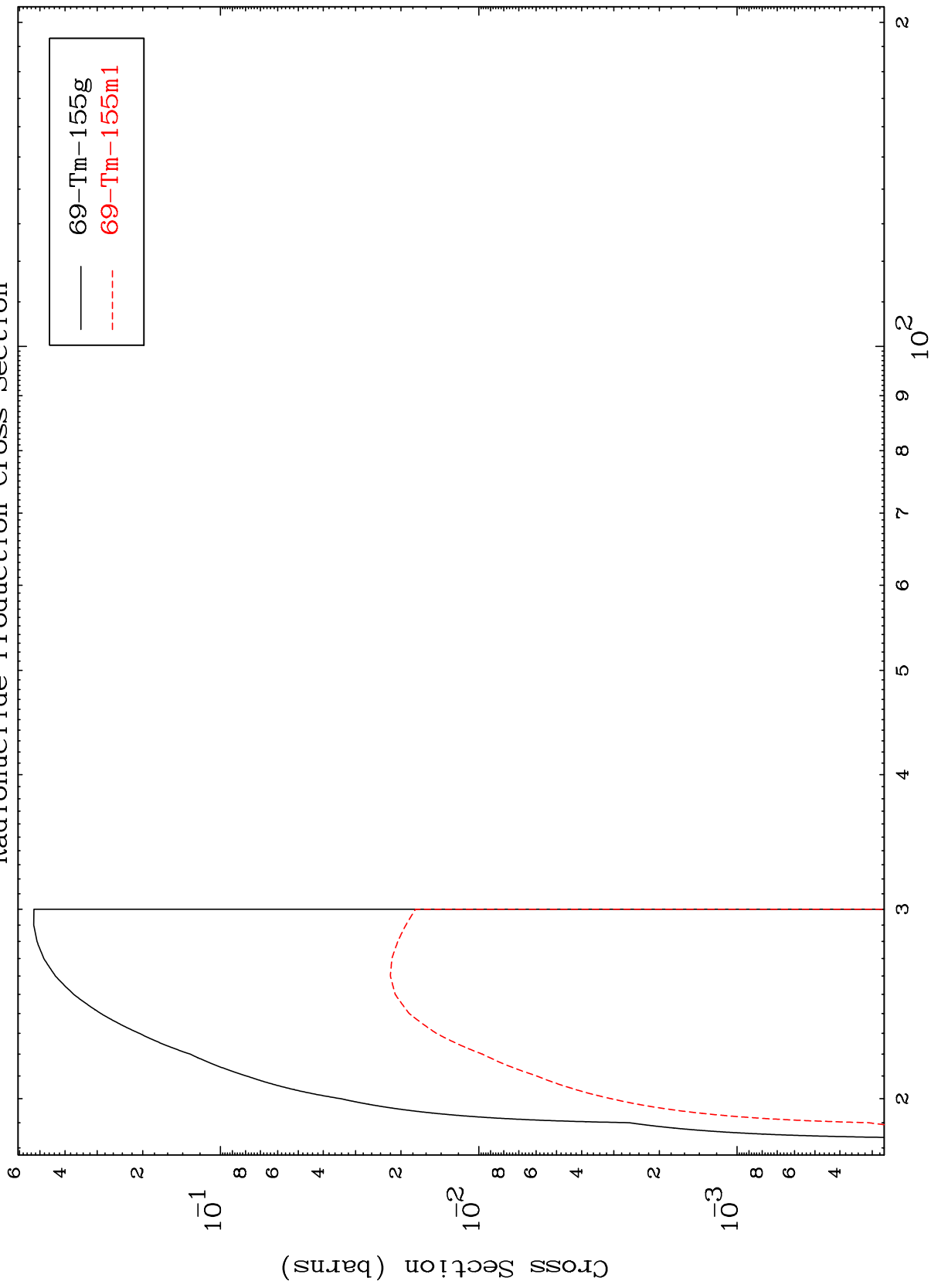
69-Tm-157



MAT 6889

69-Tm-157

(n,3n)
Radionuclide Production Cross Section



136

Incident Energy (MeV)

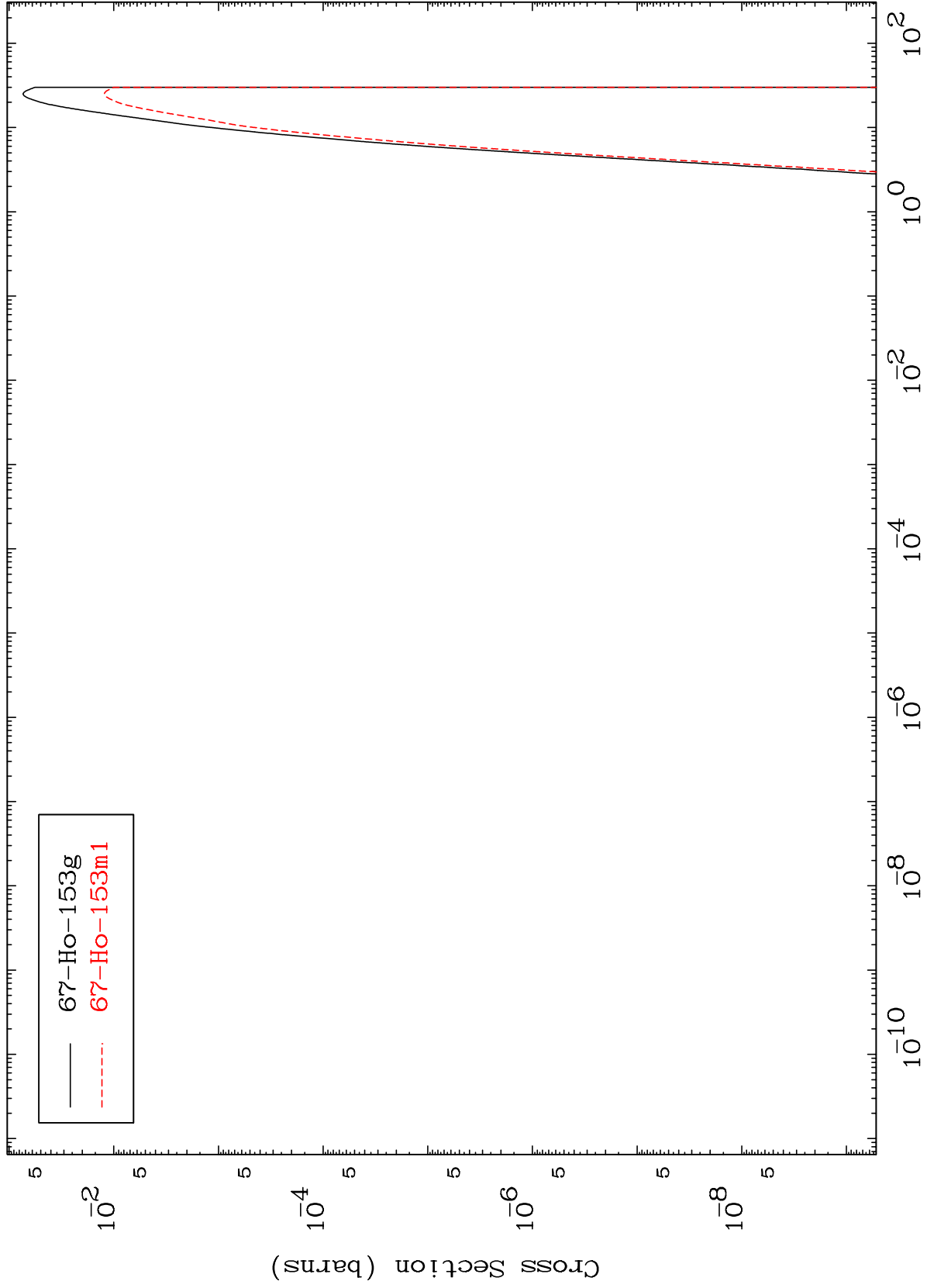
69-Tm-157

MAT 6889

$(n, n') \alpha$

$^{69}\text{Tm-157}$

Radionuclide Production Cross Section



137

Incident Energy (MeV)

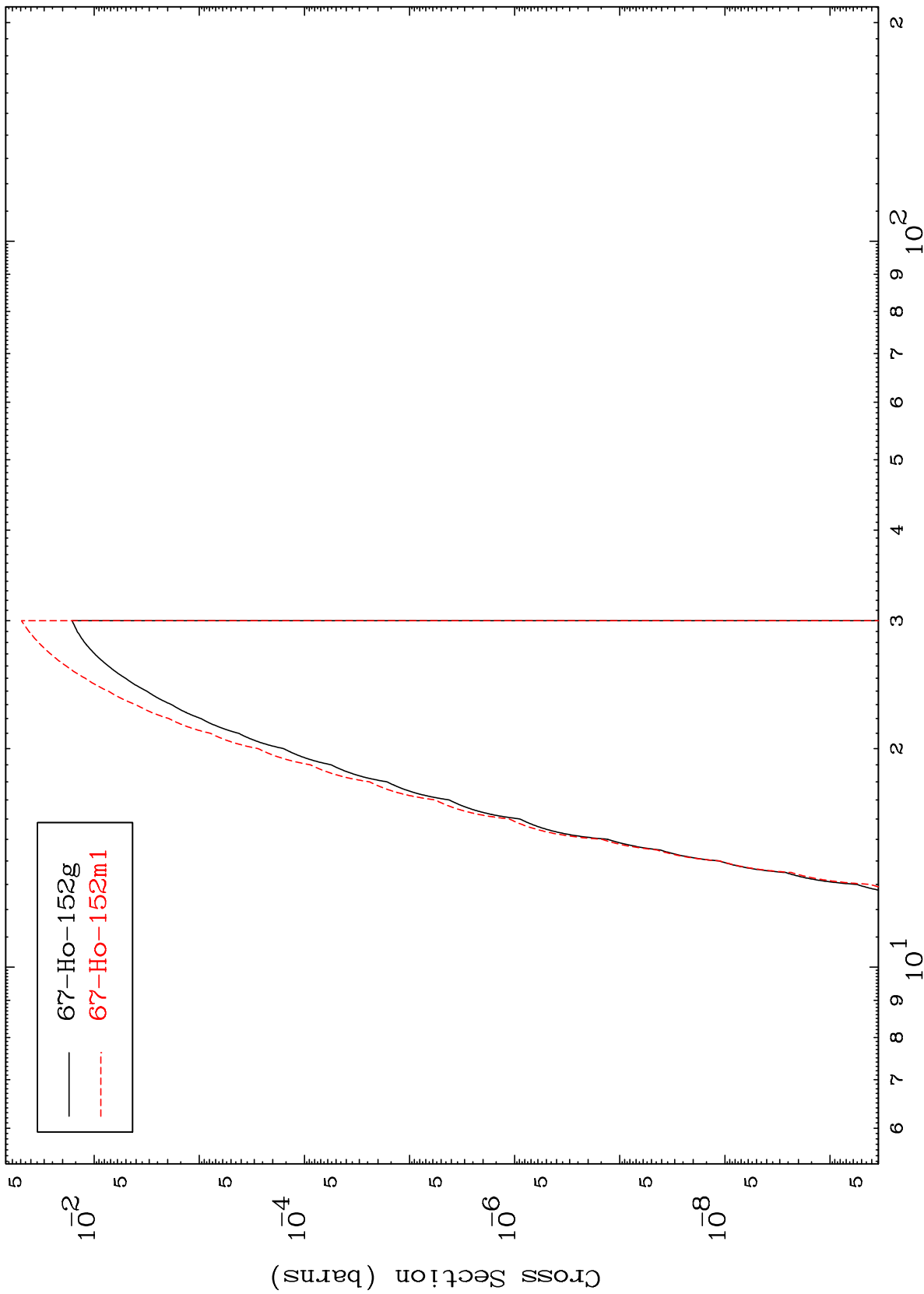
$^{69}\text{Tm-157}$

MAT 6889

$(n,2n) \alpha$

69-Tm-157

Radionuclide Production Cross Section

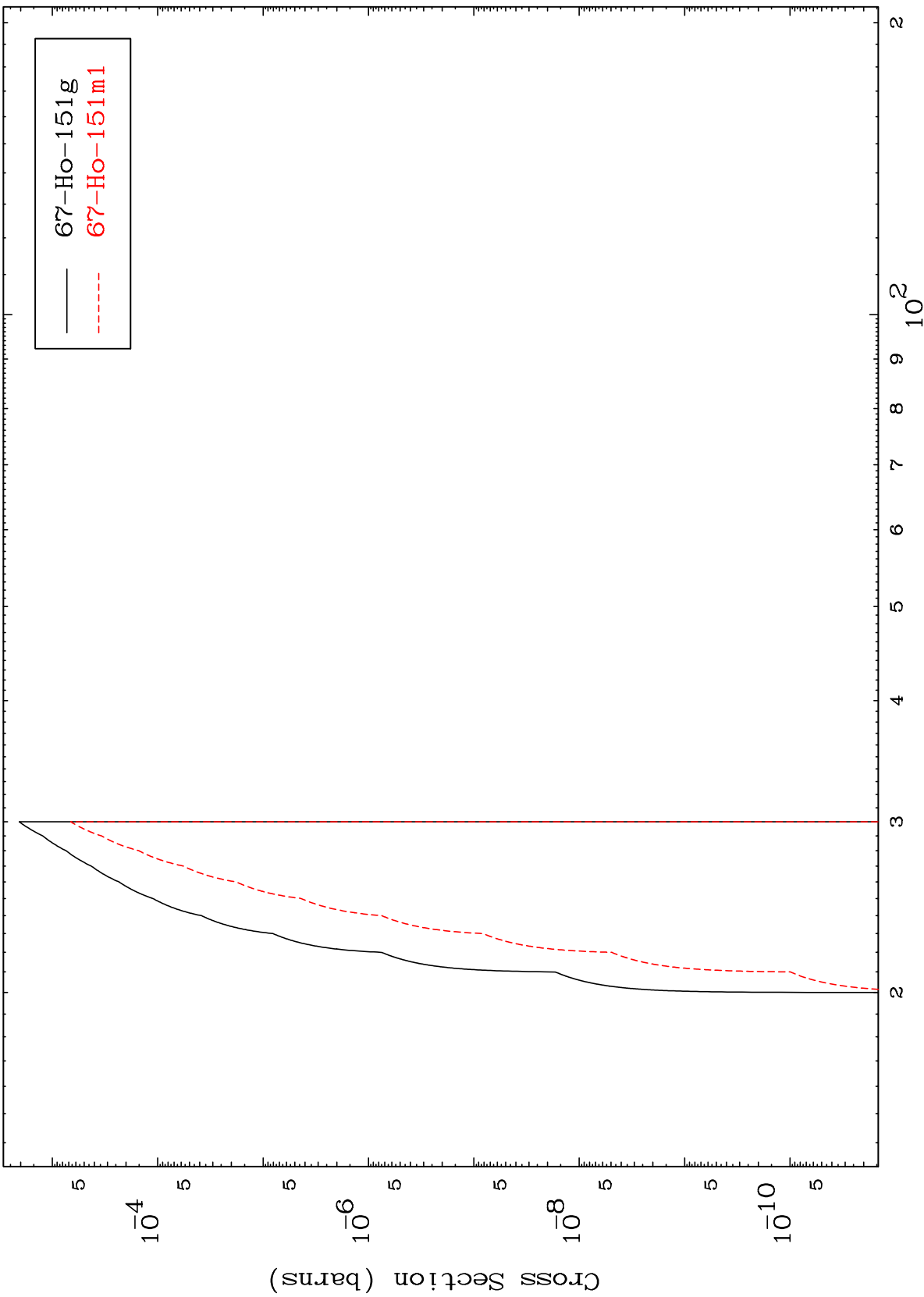


138

Incident Energy (MeV)

69-Tm-157

Radionuclide Production Cross Section

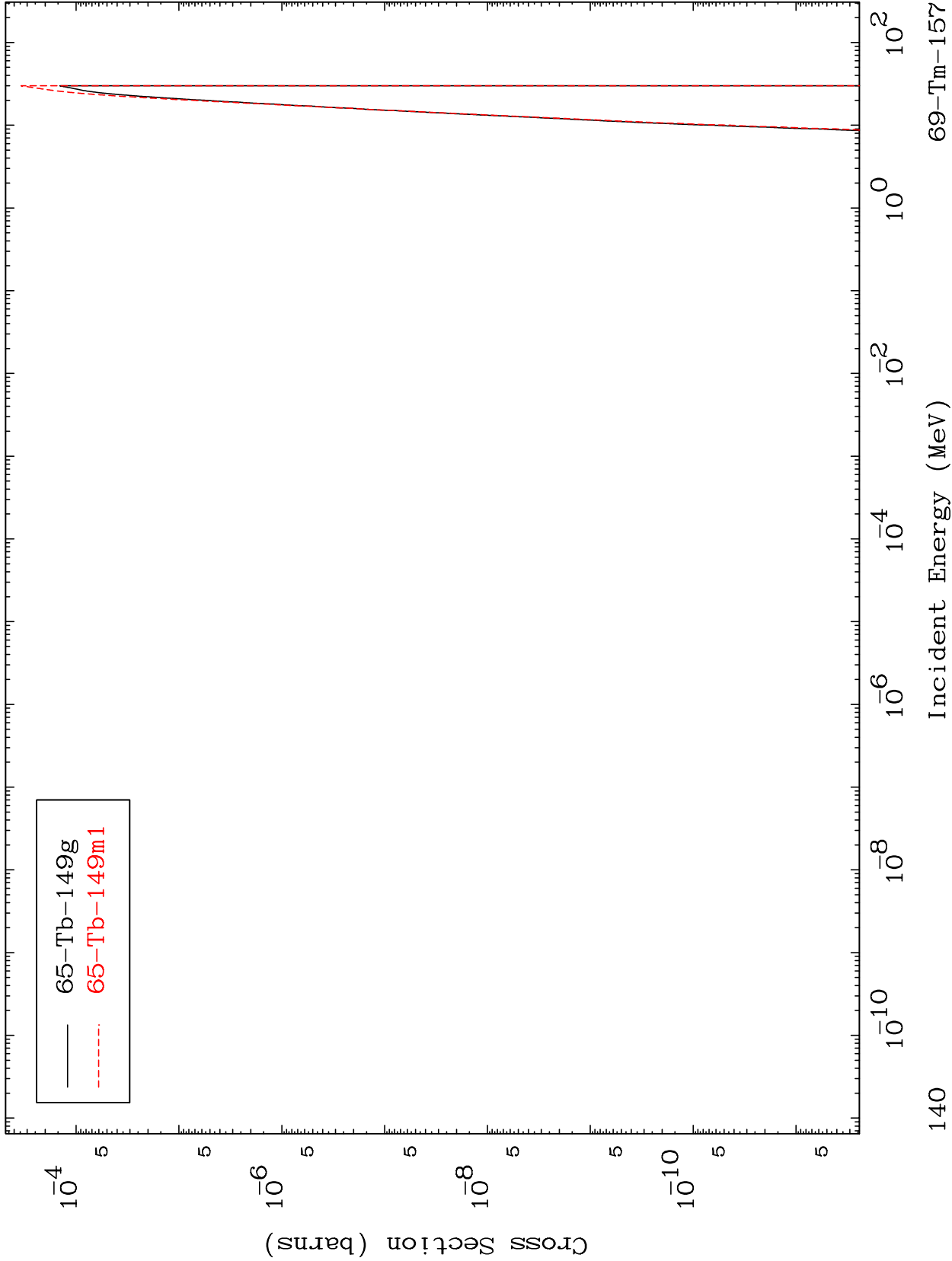


MAT 6889

(n,n') 2α

69-Tm-157

Radionuclide Production Cross Section

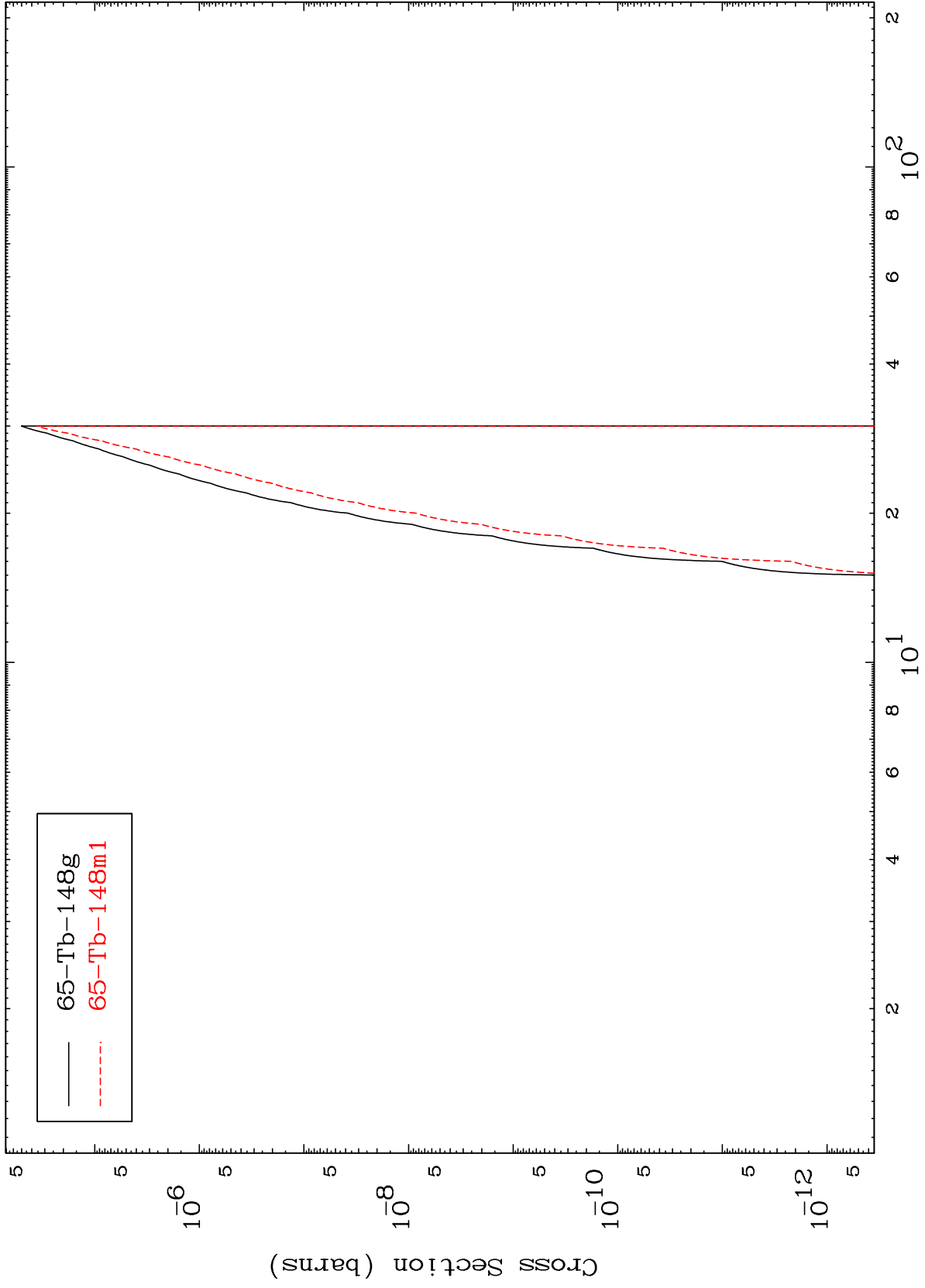


MAT 6889

(n,2n) 2α

69-Tm-157

Radionuclide Production Cross Section



141

Incident Energy (MeV)

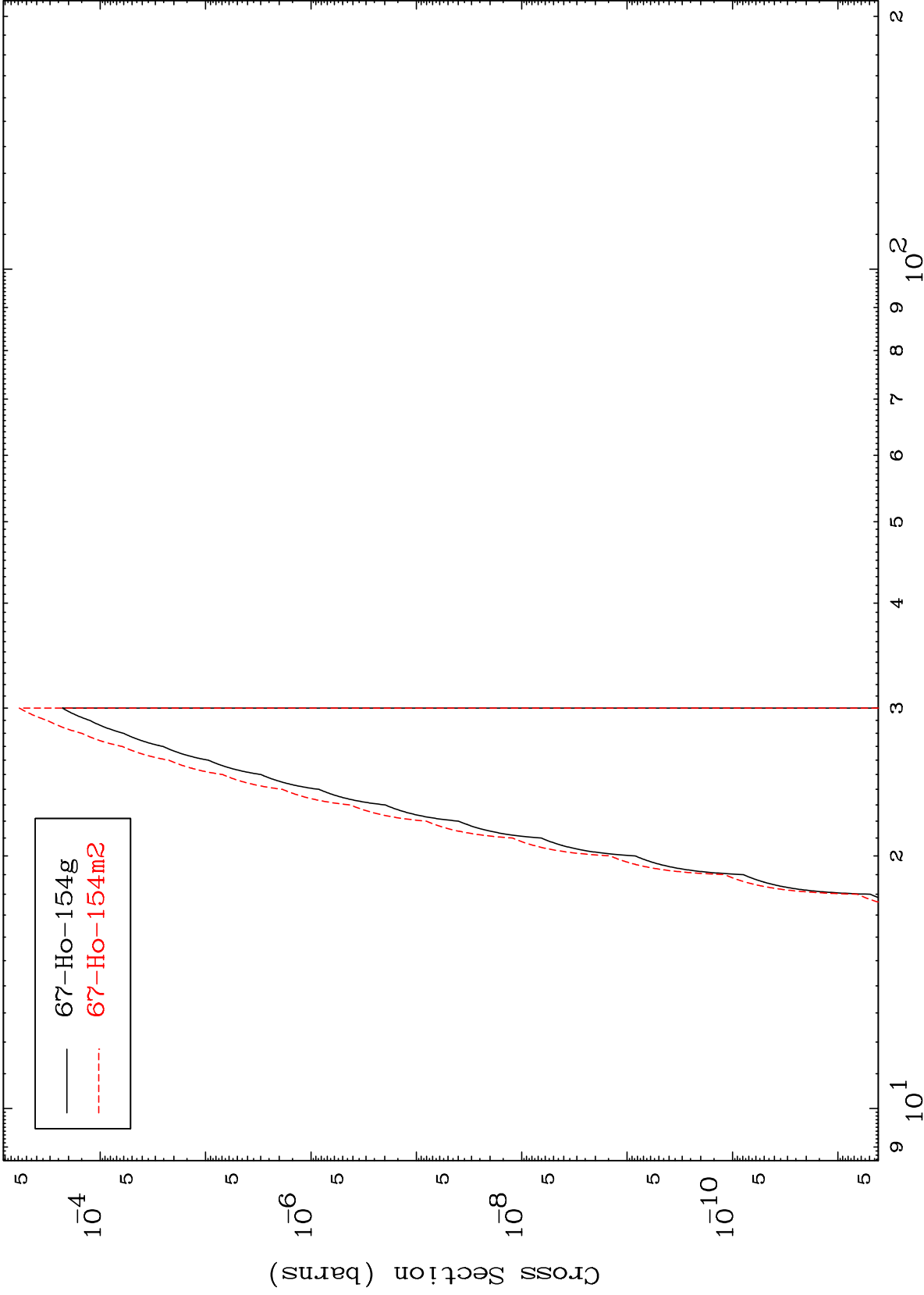
69-Tm-157

MAT 6889

(n,n') He-3

69-Tm-157

Radionuclide Production Cross Section



142

Incident Energy (MeV)

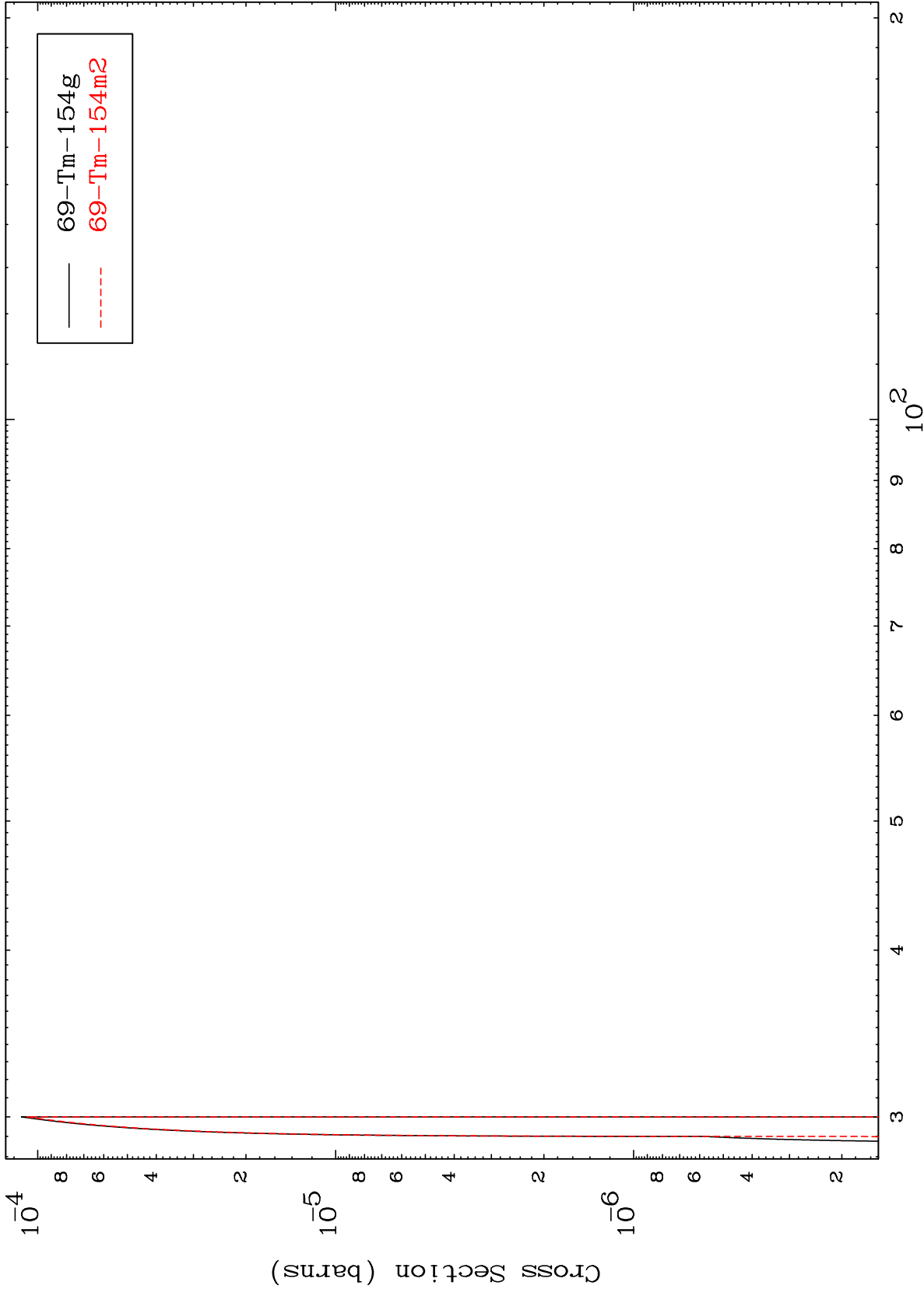
69-Tm-157

MAT 6889

(n,4n)

69-Tm-157

Radionuclide Production Cross Section



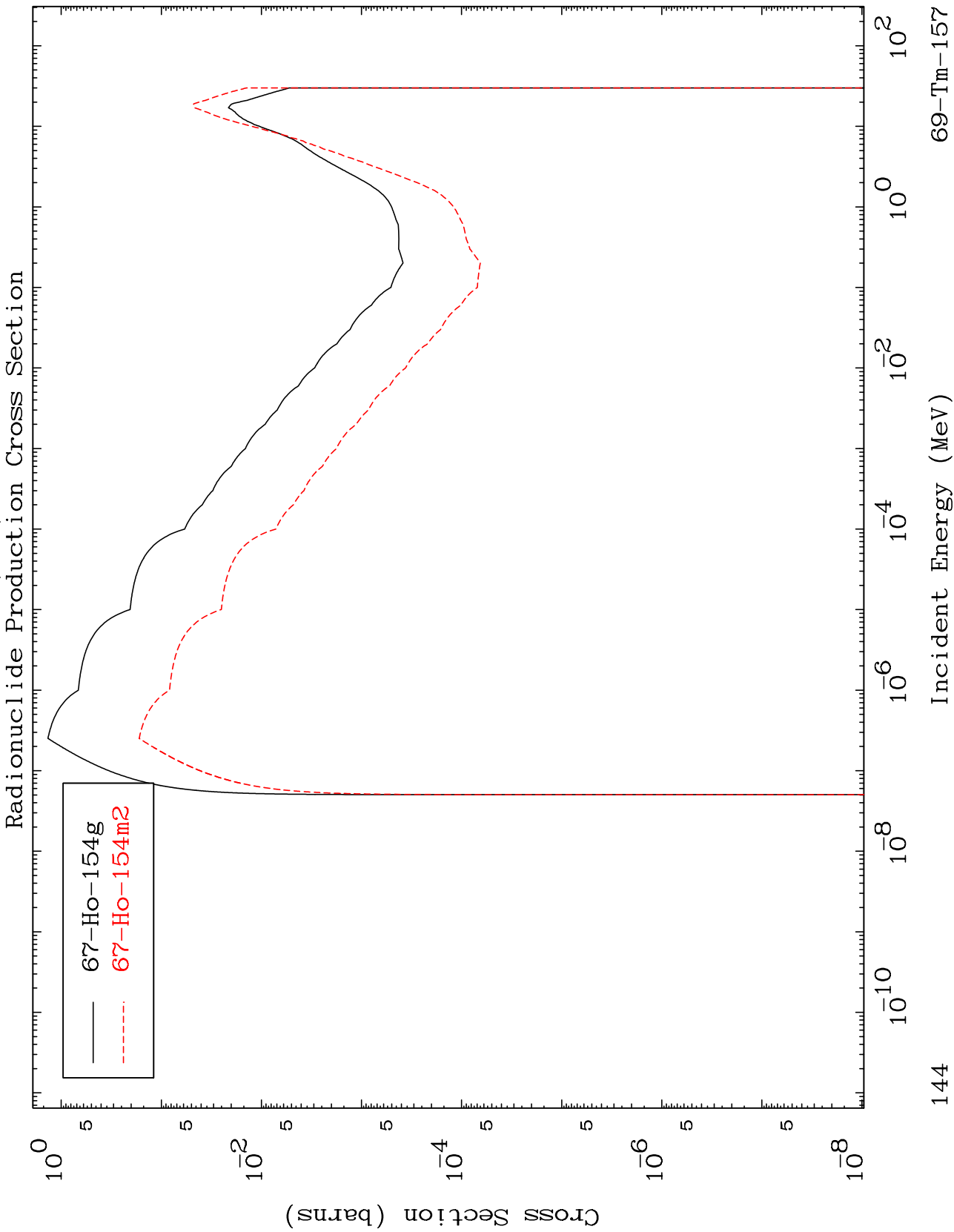
143

Incident Energy (MeV)

69-Tm-157

MAT 6889

69-Tm-157

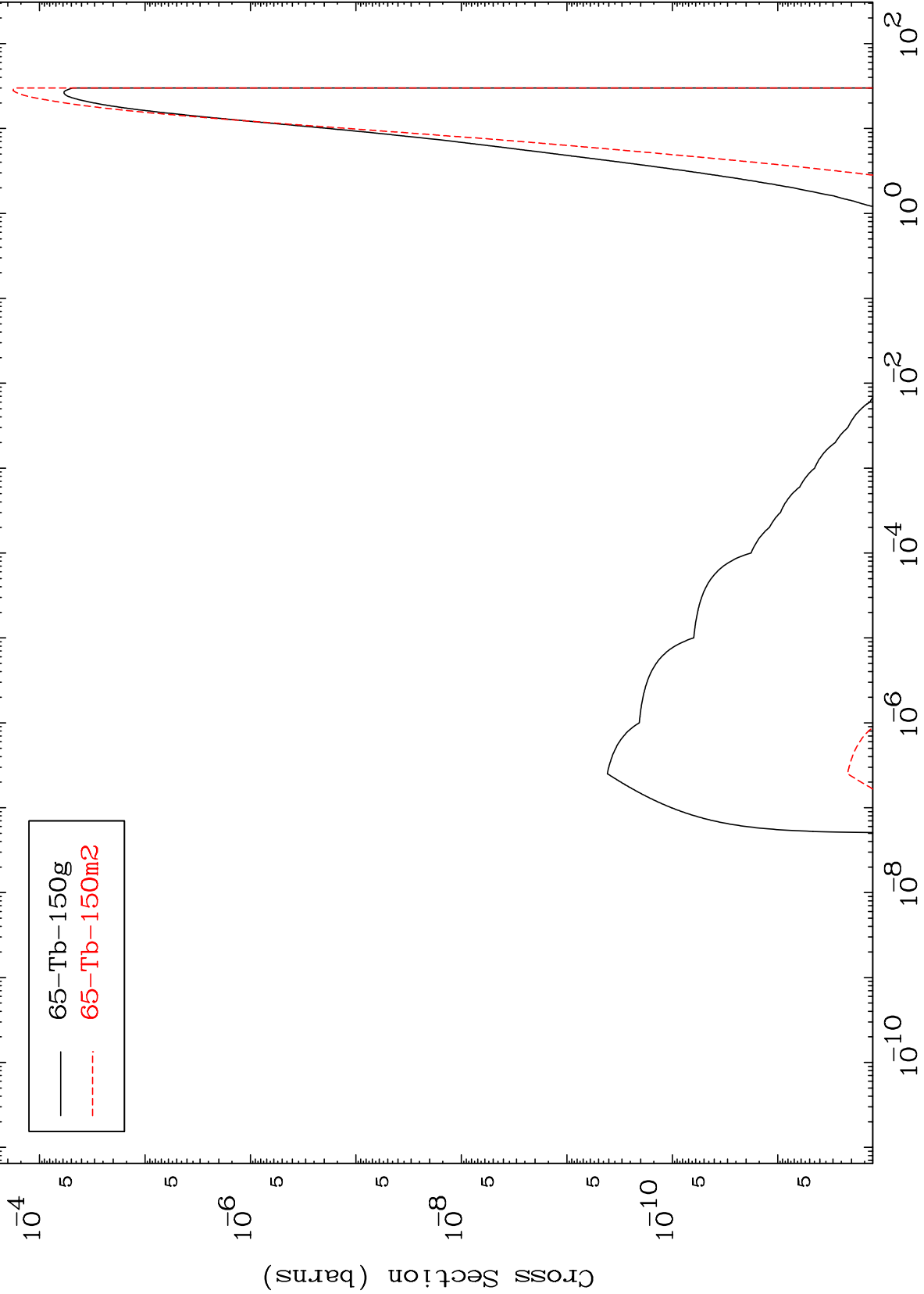


MAT 6889

(n,2α)

69-Tm-157

Radionuclide Production Cross Section



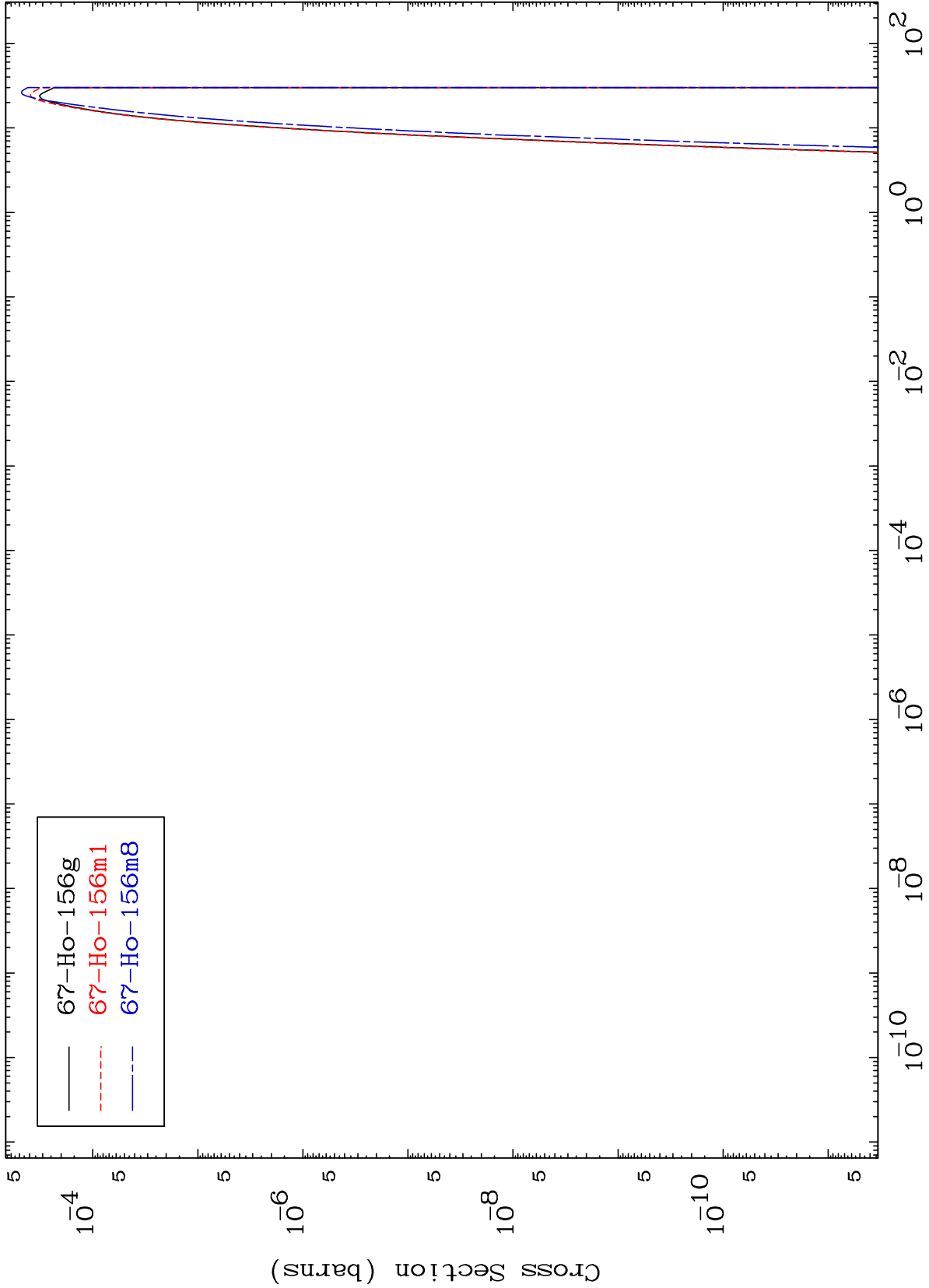
— 65-Tb-150g
- - - 65-Tb-150m2

MAT 6889

(n,2p)

69-Tm-157

Radionuclide Production Cross Section



67-Ho-156g
67-Ho-156m1
67-Ho-156m8

146

Incident Energy (MeV)

69-Tm-157

MAT 6889

(n,p) t

⁶⁹Tm-157

