

Program EVALPLOT
(Version 2017-1)

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

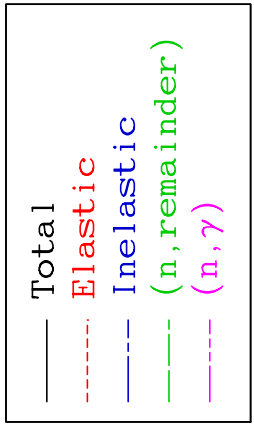
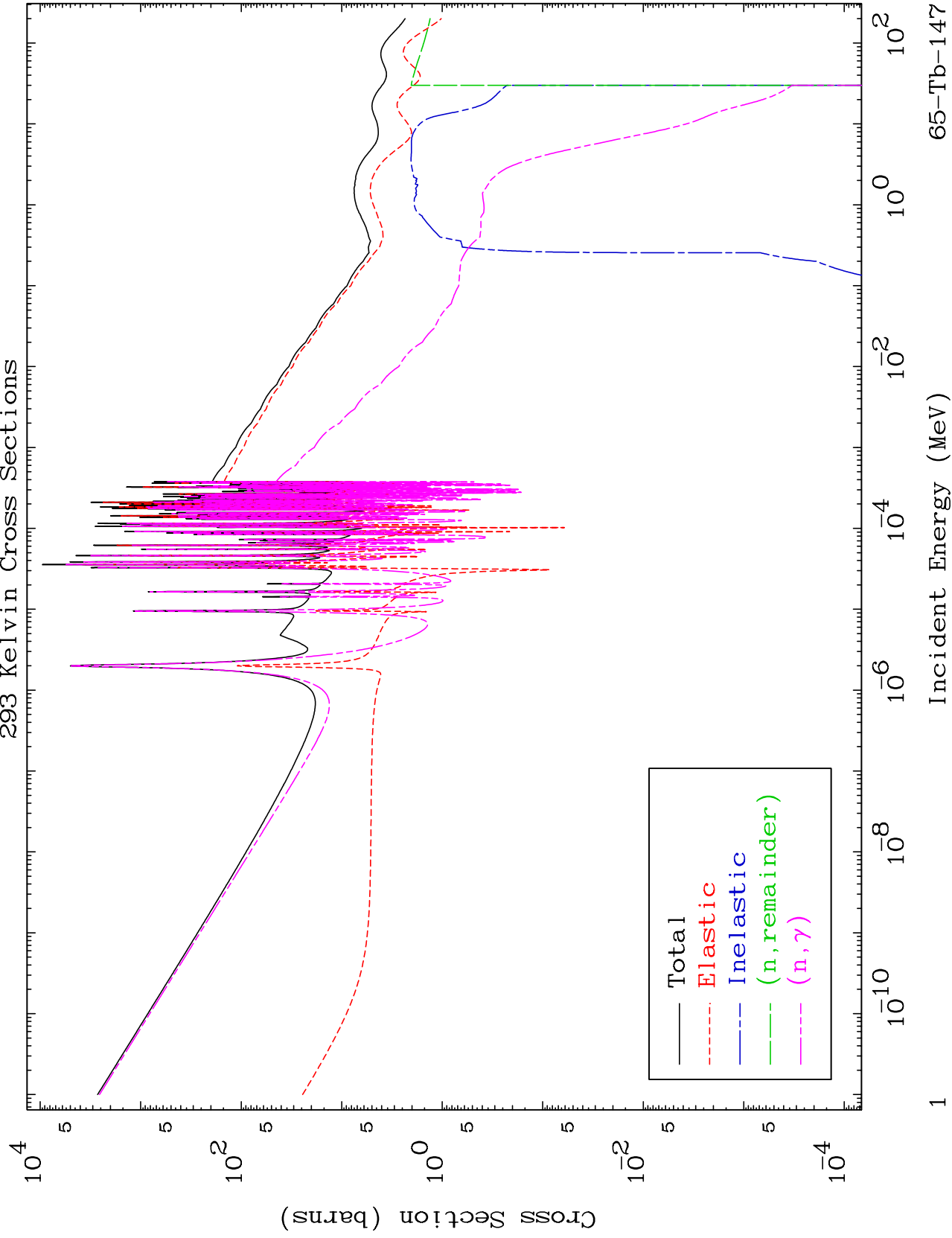
Press Mouse Button to Start

MAT 6489

Major

293 Kelvin Cross Sections

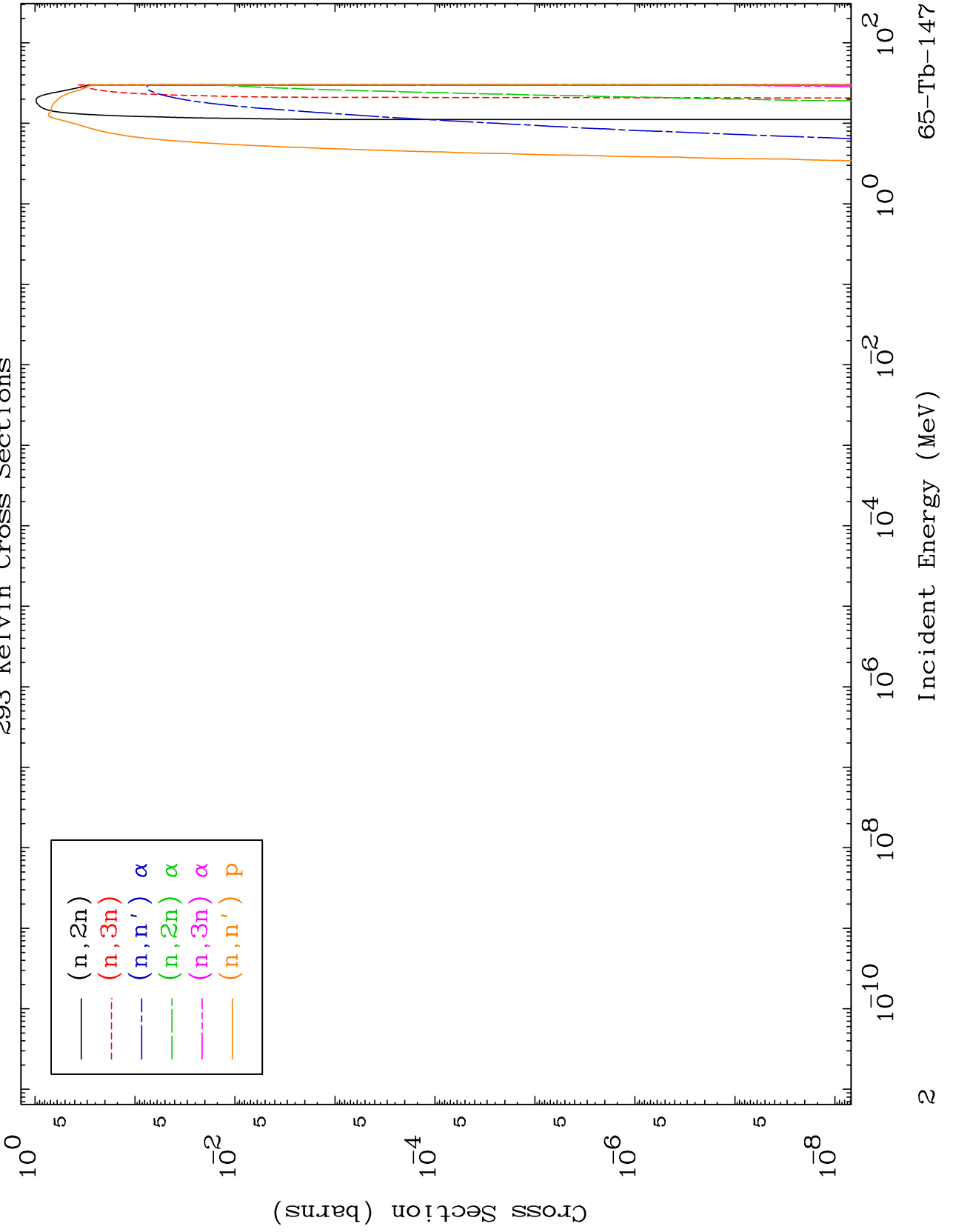
65-Tb-147



MAT 6489

Neutron Production
293 Kelvin Cross Sections

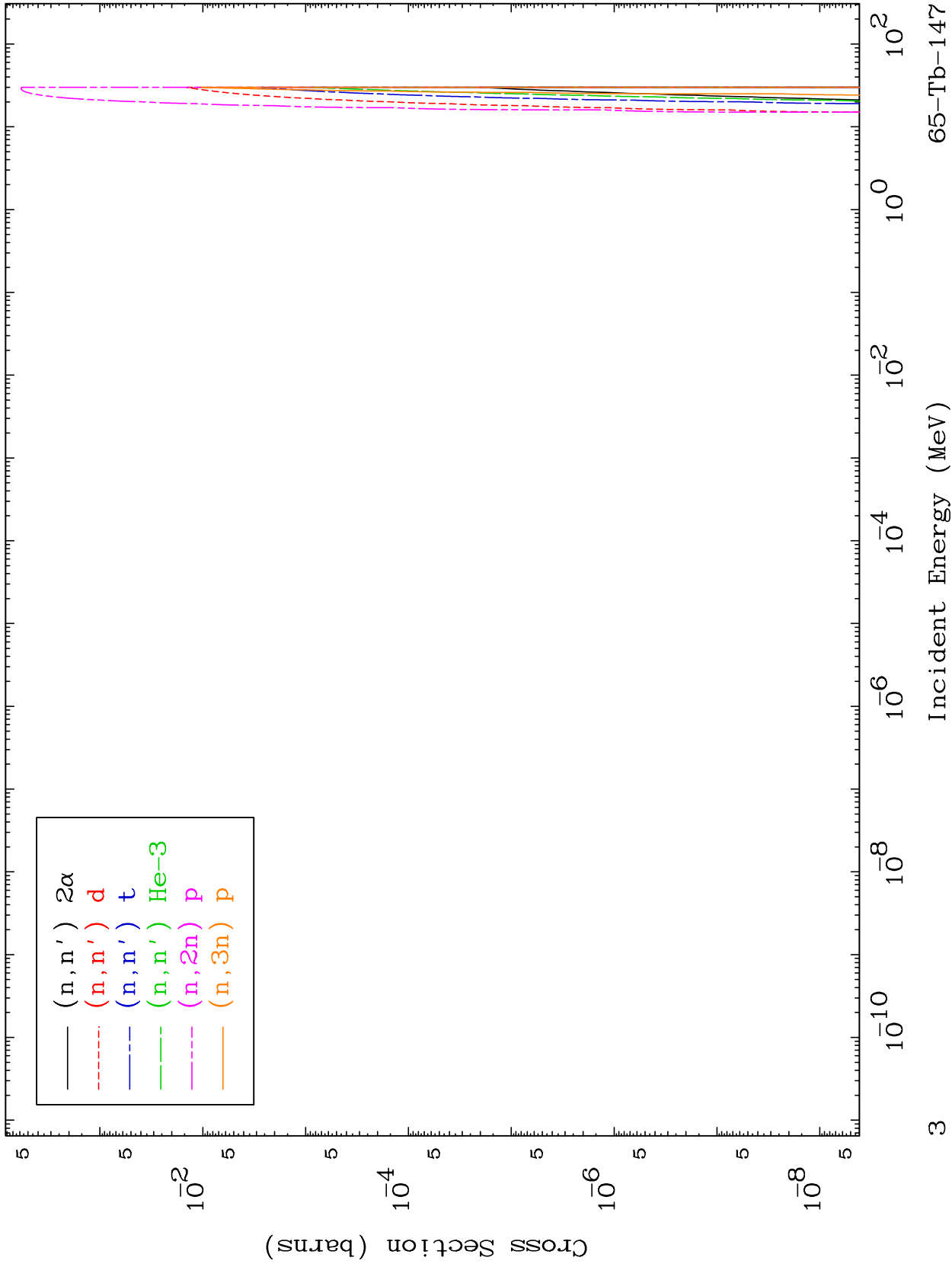
65-Tb-147



MAT 6489

Neutron Production
293 Kelvin Cross Sections

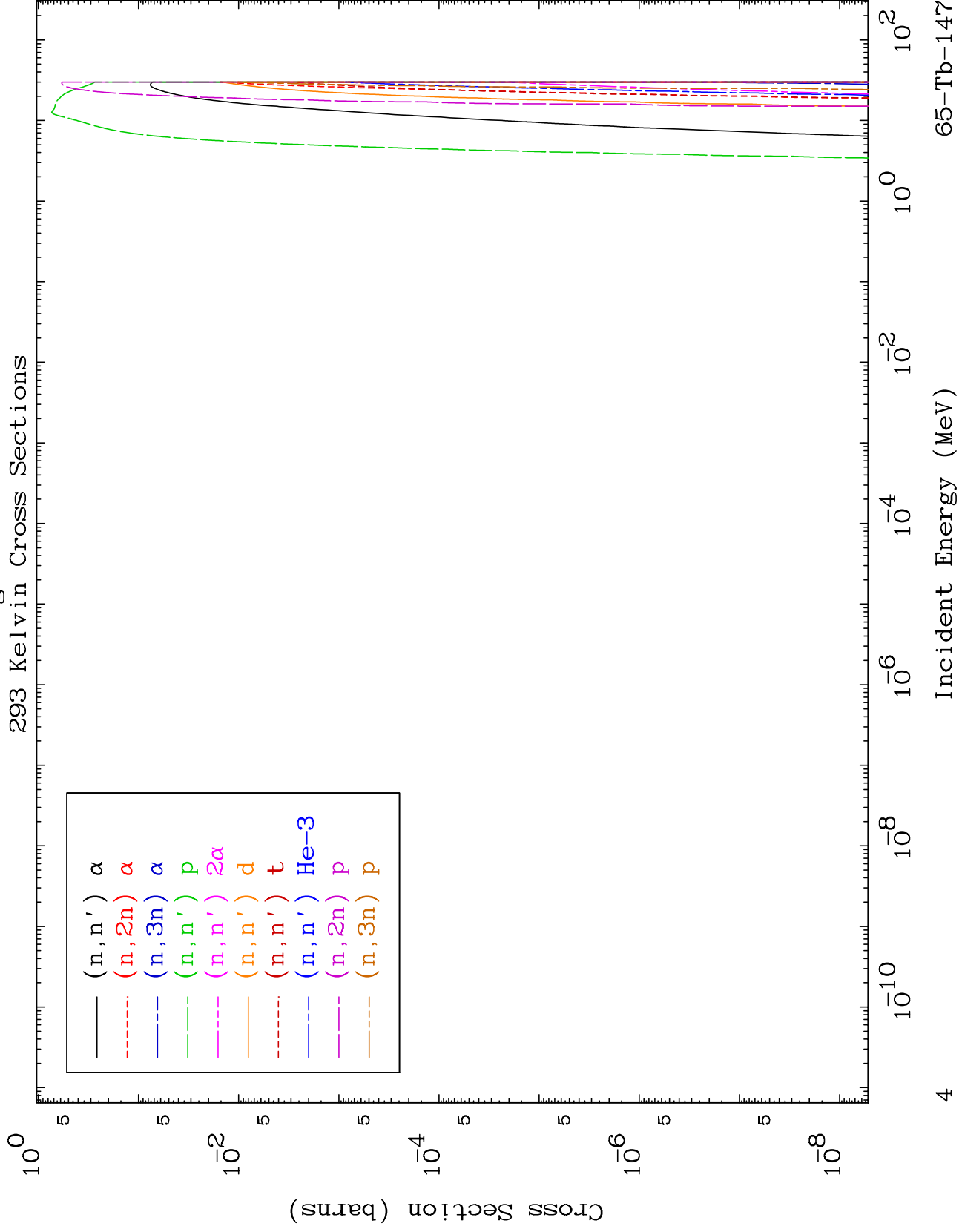
65-Tb-147



MAT 6489

Charged Particle
293 Kelvin Cross Sections

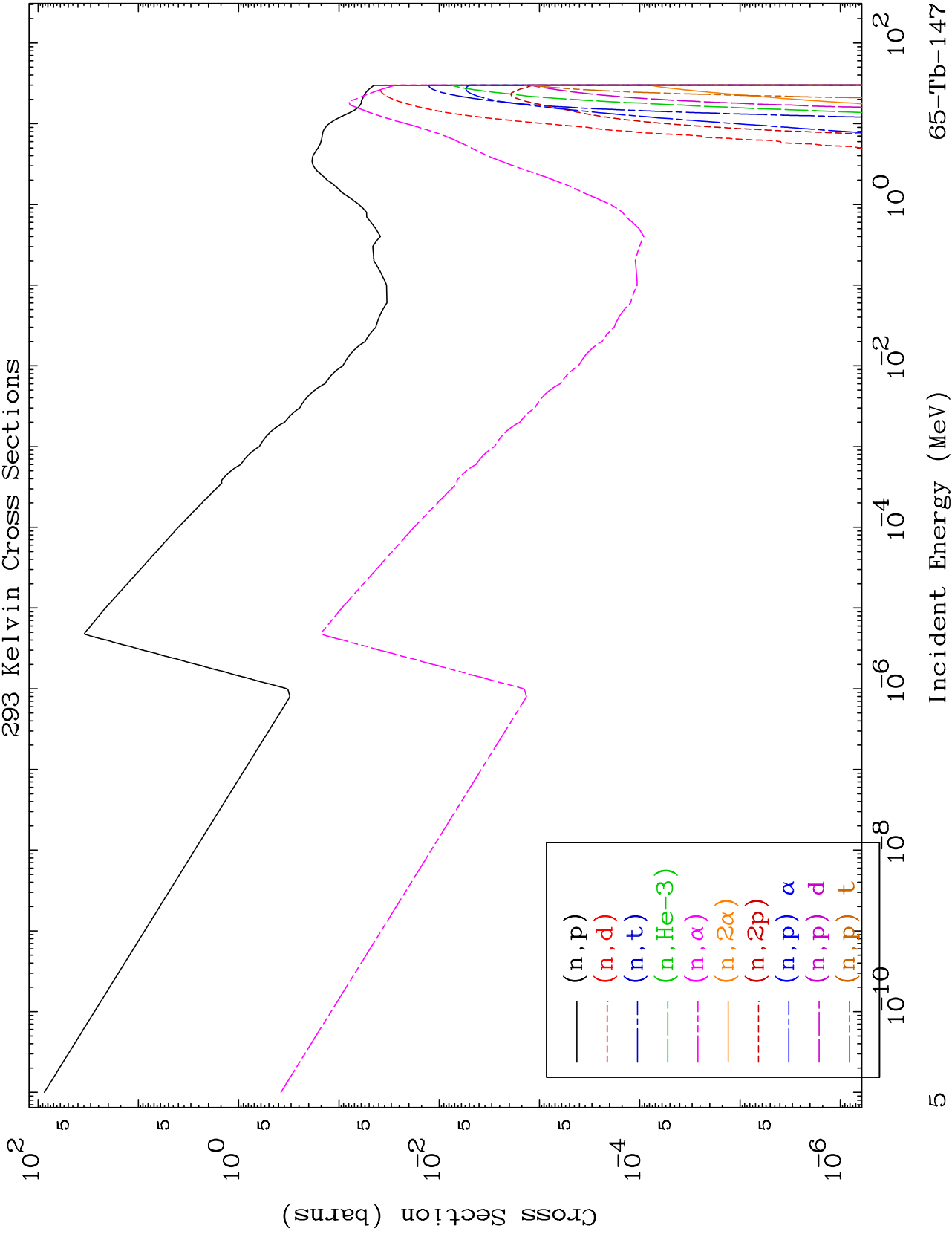
65-Tb-147



MAT 6489

Charged Particle
293 Kelvin Cross Sections

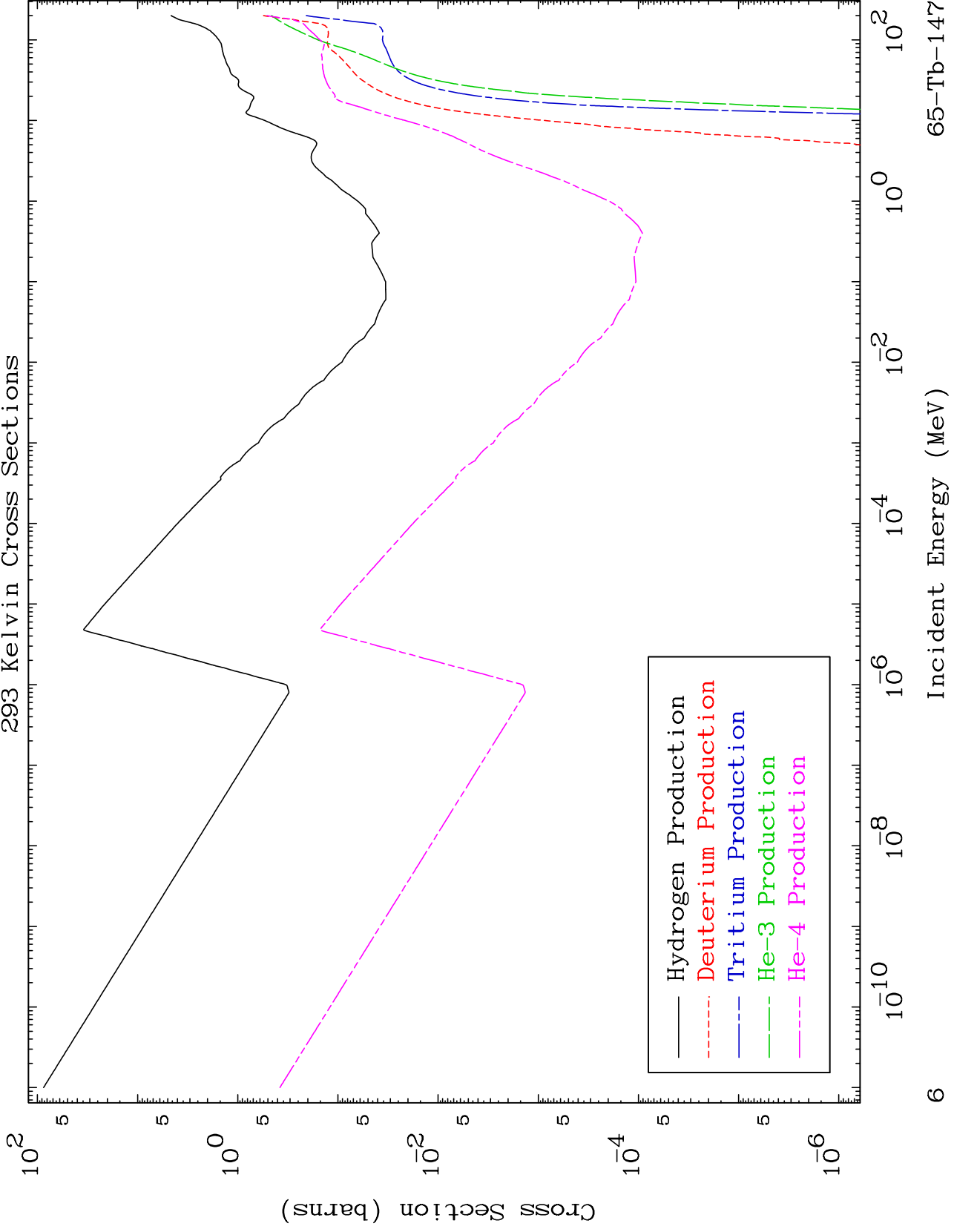
65-Tb-147



MAT 6489

Particle Production
293 Kelvin Cross Sections

65-Tb-147



MAT 6489

(n,n') Level

65-Tb-147

293 Kelvin Cross Sections

10^9

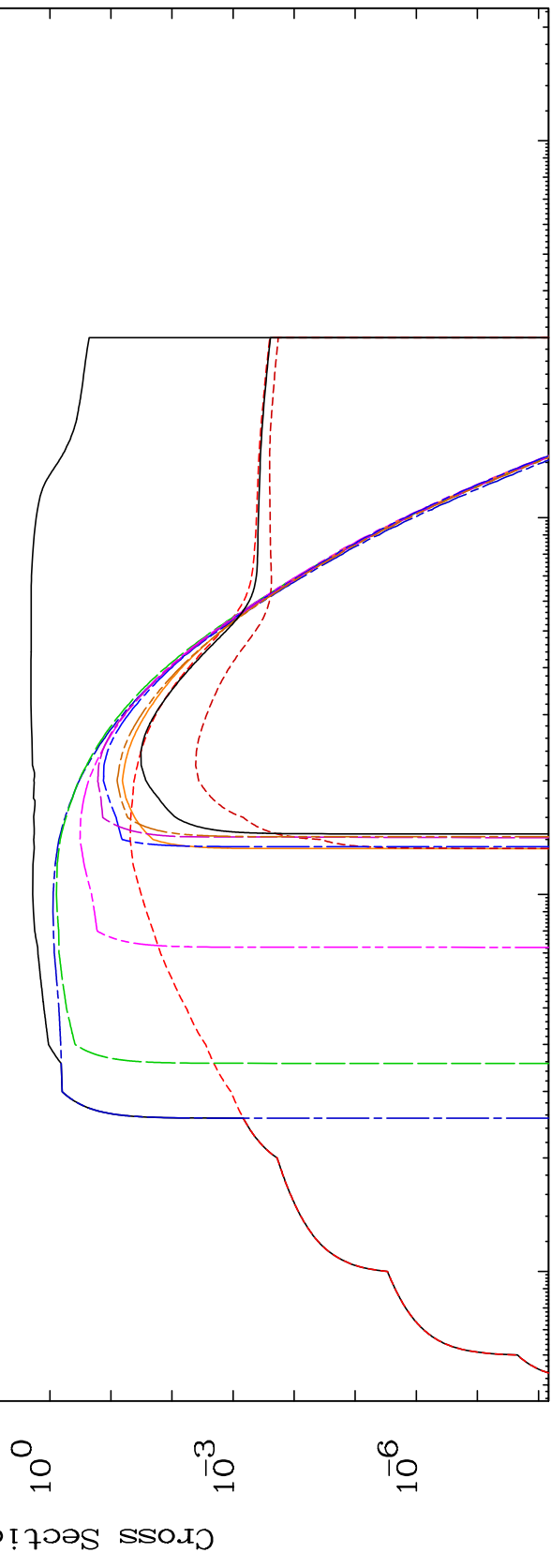
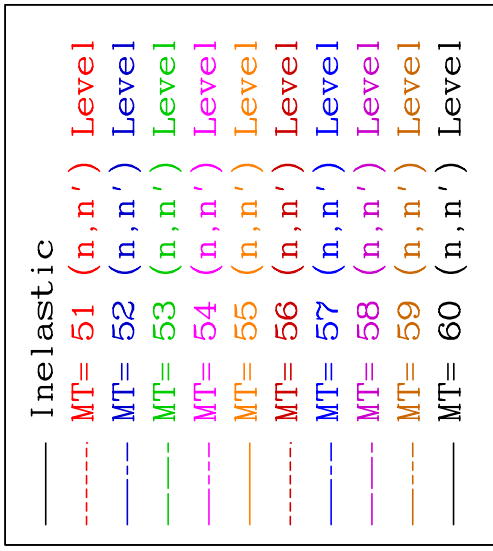
10^6

10^3

10^0

10^{-3}

10^{-6}

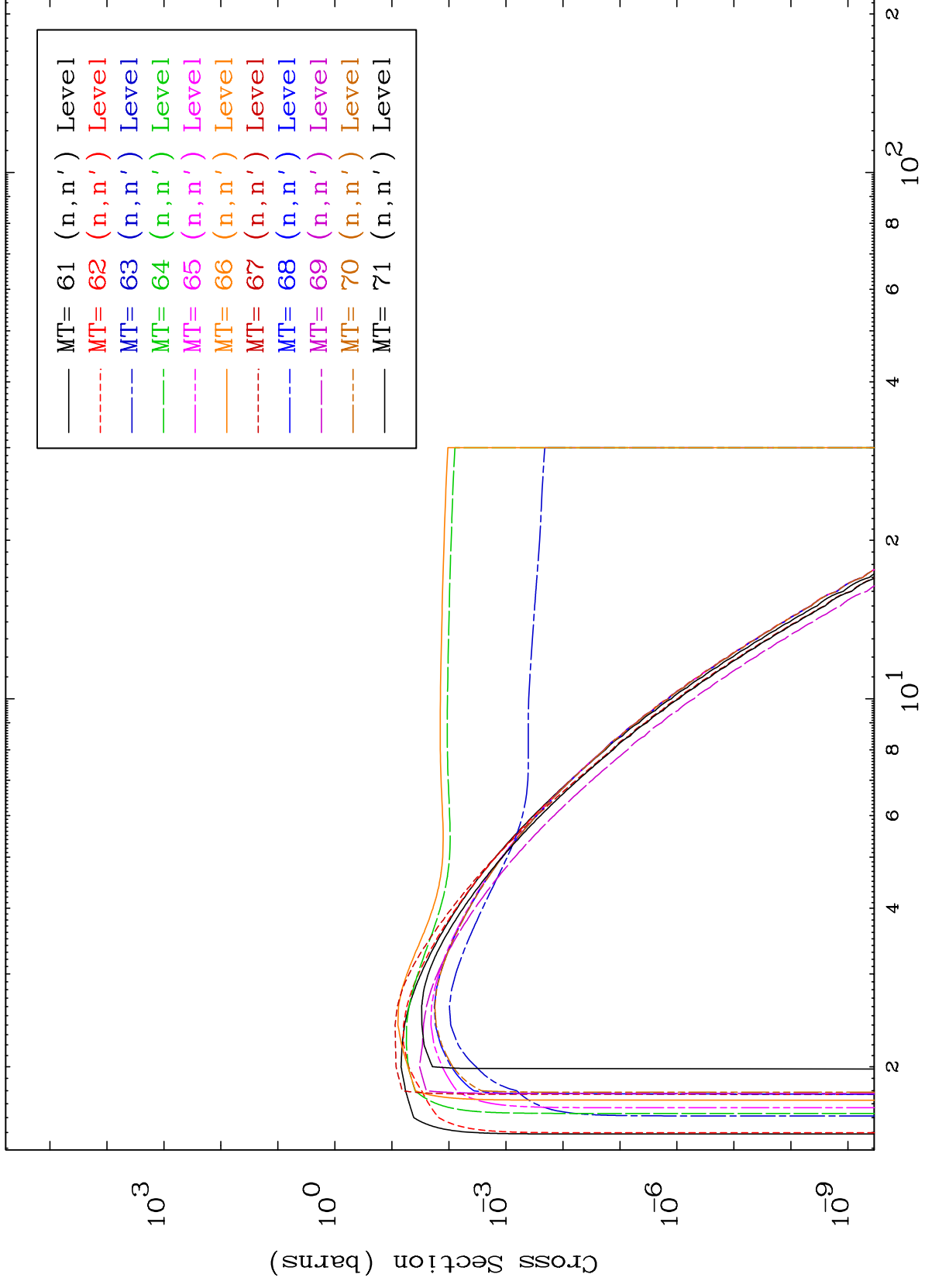


MAT 6489

(n,n') Level

293 Kelvin Cross Sections

65-Tb-147



8

Incident Energy (MeV)

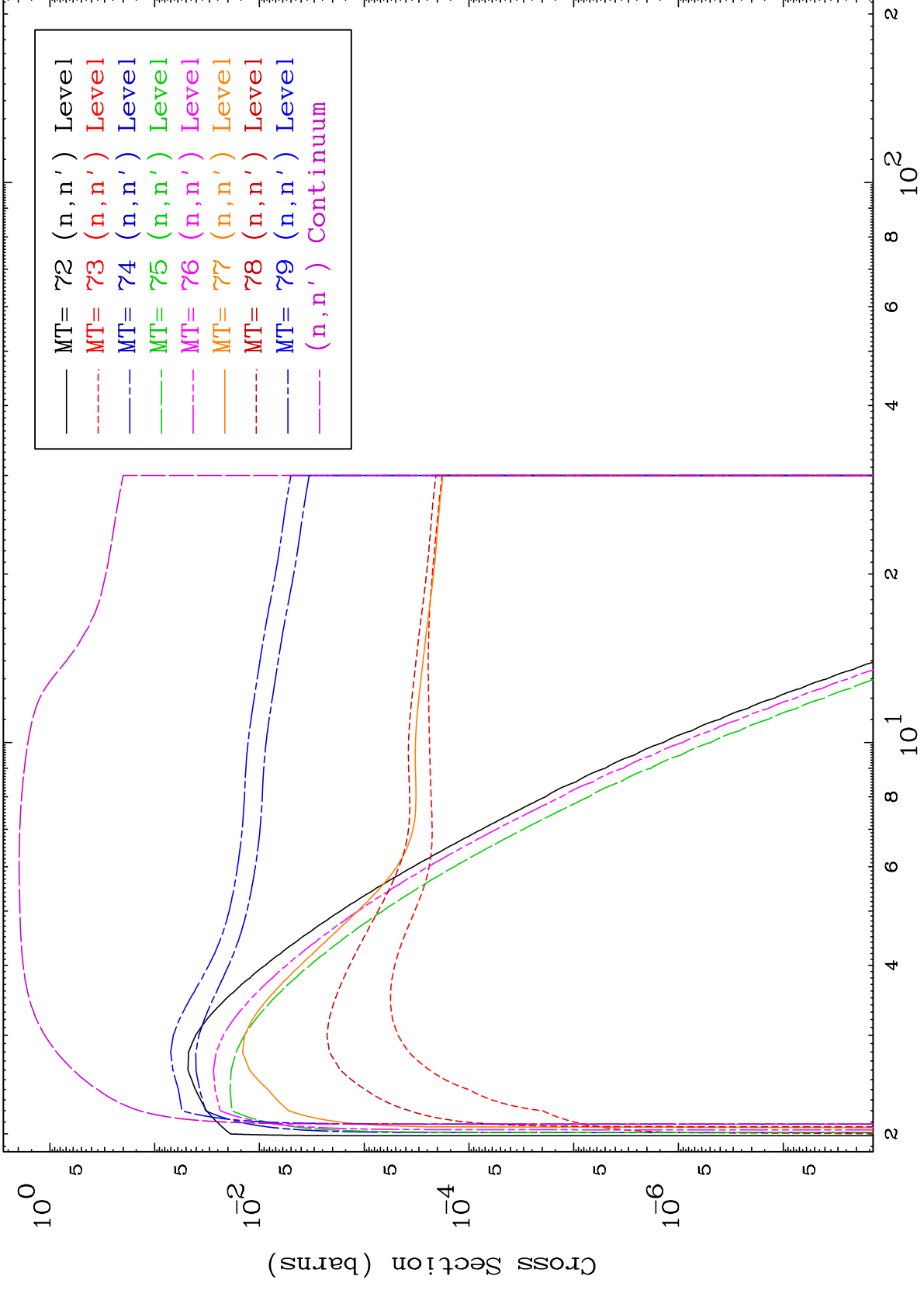
65-Tb-147

MAT 6489

(n,n') Level

293 Kelvin Cross Sections

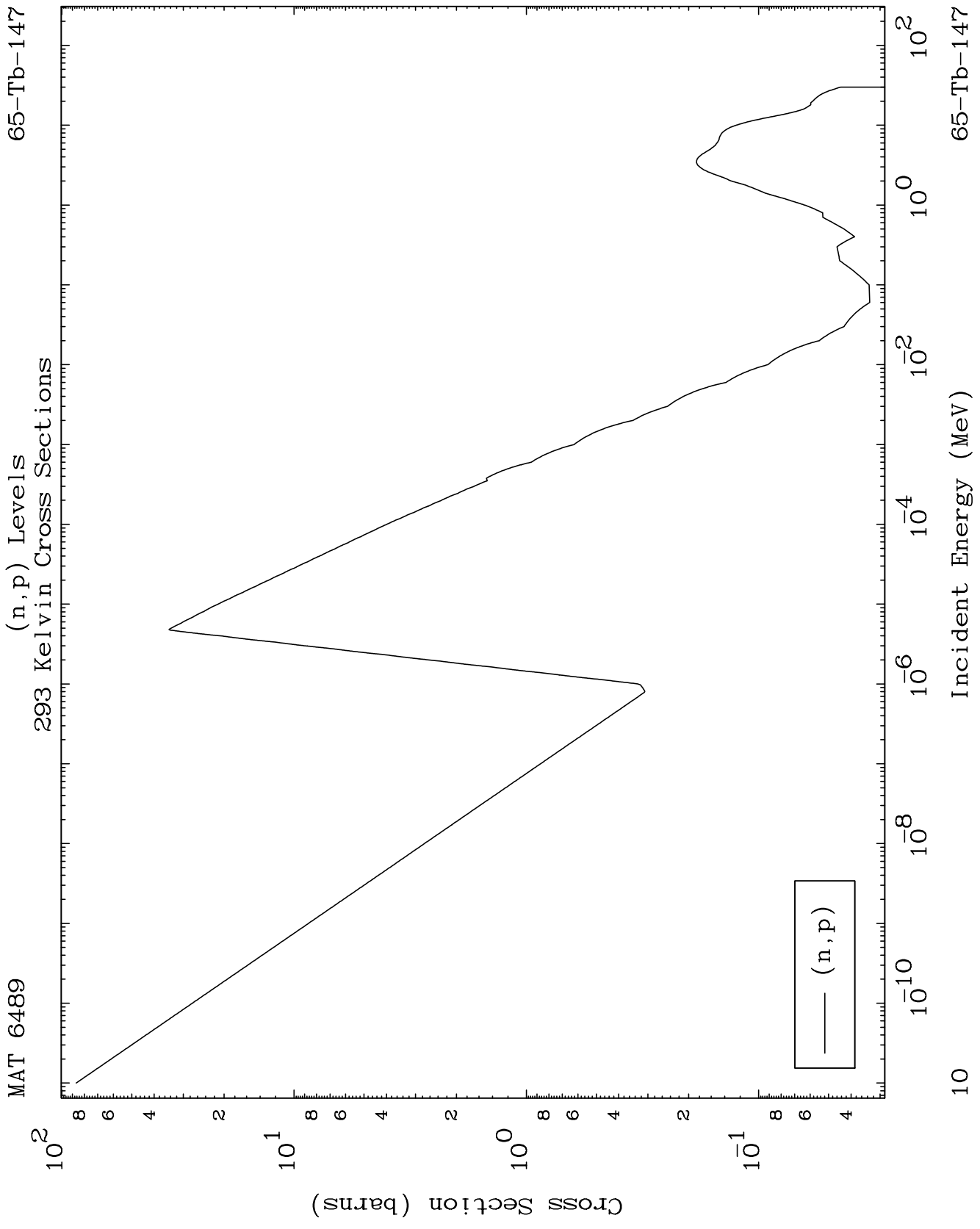
65-Tb-147



9

Incident Energy (MeV)

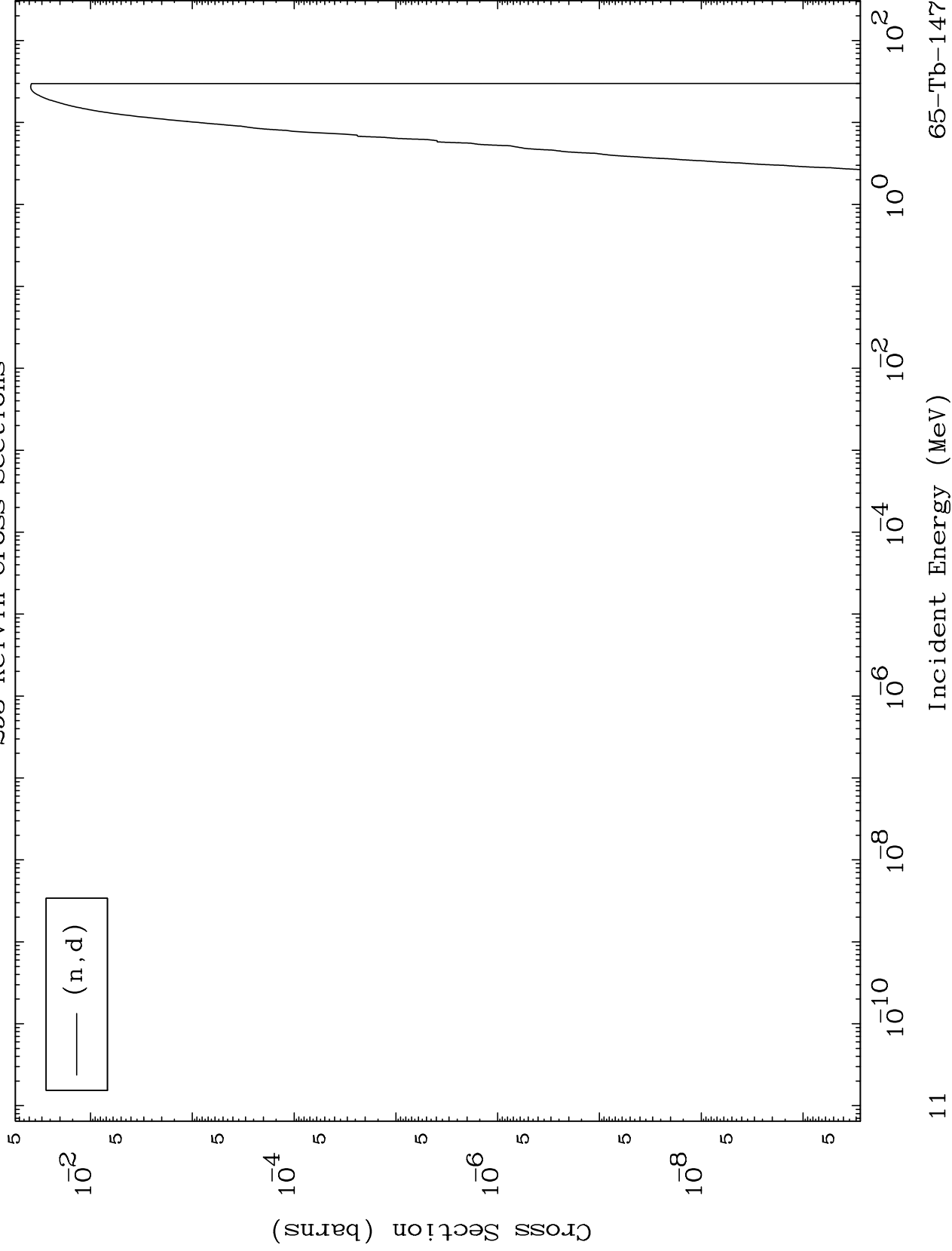
65-Tb-147



MAT 6489

(n,d) Levels
293 Kelvin Cross Sections

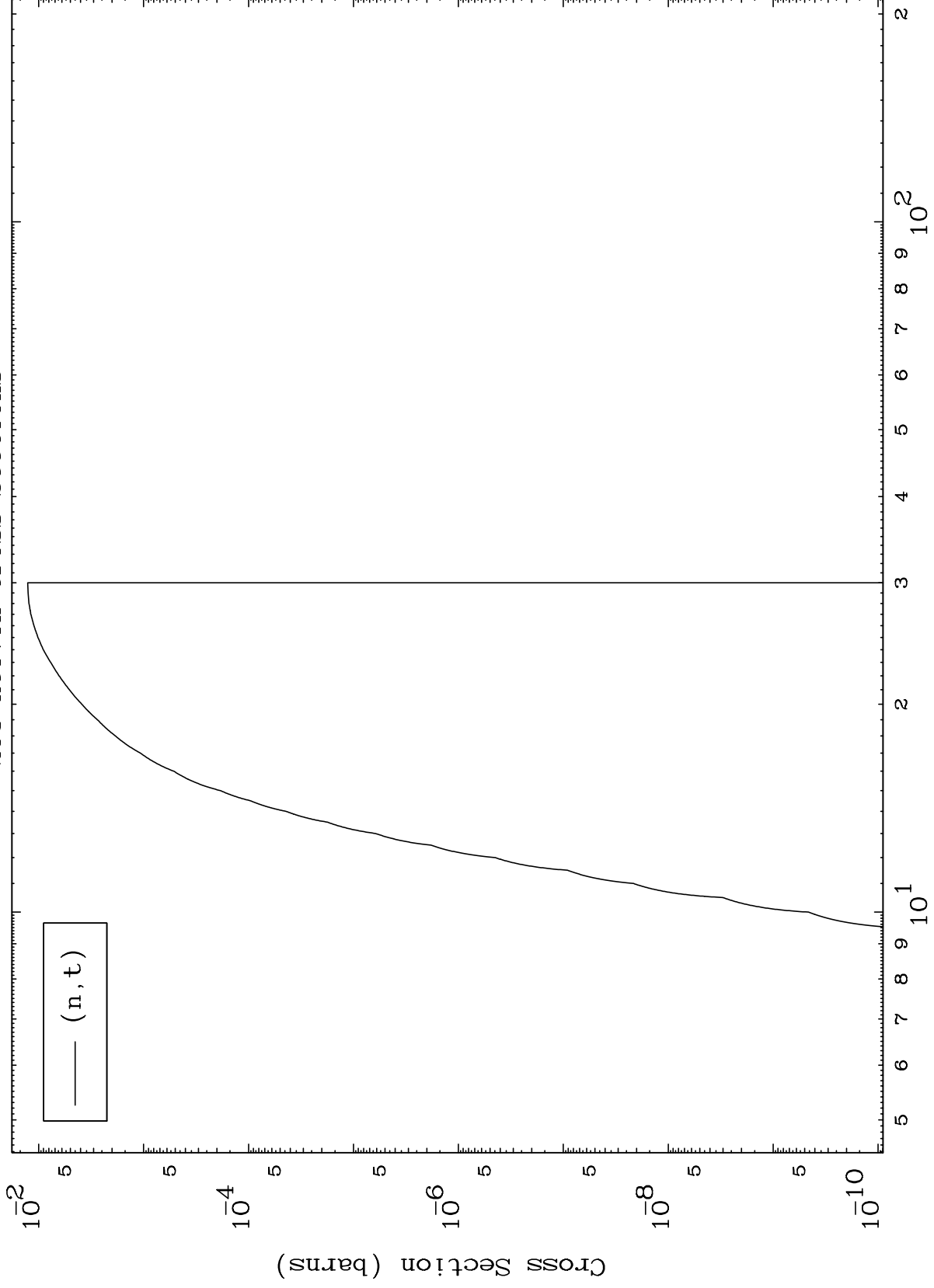
65-Tb-147



MAT 6489

(n,t) Levels
293 Kelvin Cross Sections

65-Tb-147



12

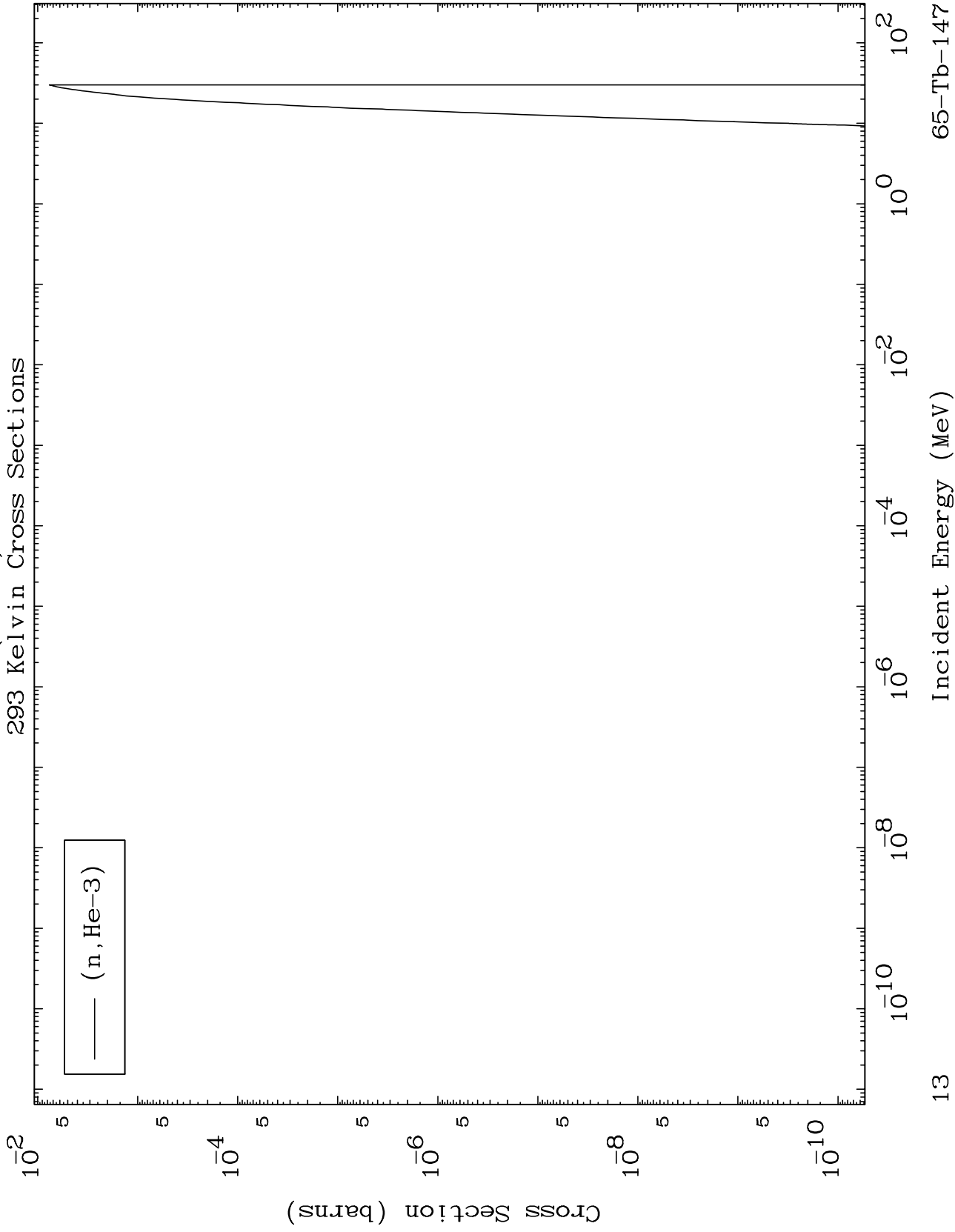
Incident Energy (MeV)

65-Tb-147

MAT 6489

(n,He3) Levels
293 Kelvin Cross Sections

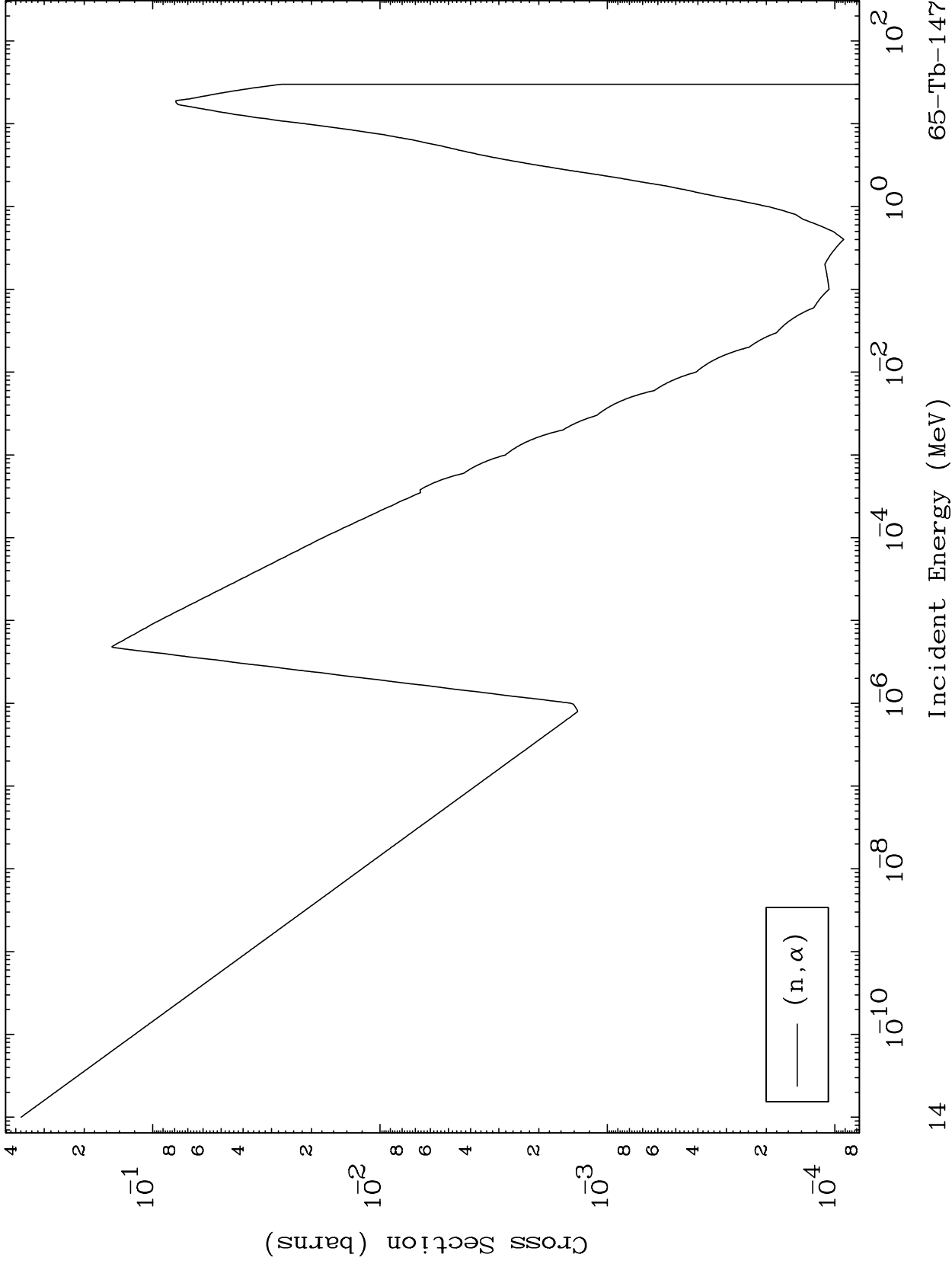
65-Tb-147

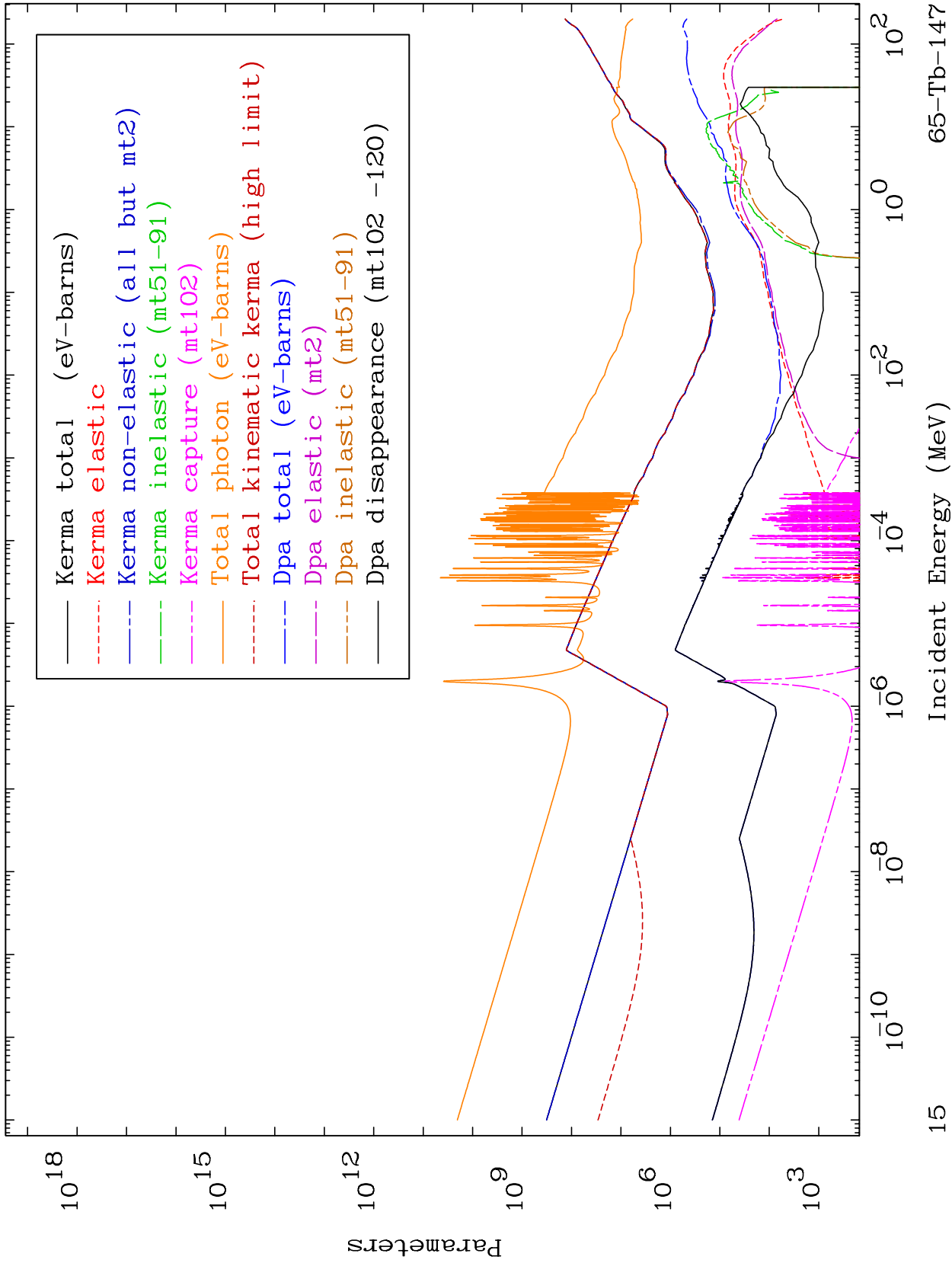


MAT 6489

(n, α) Levels
293 Kelvin Cross Sections

65-Tb-147

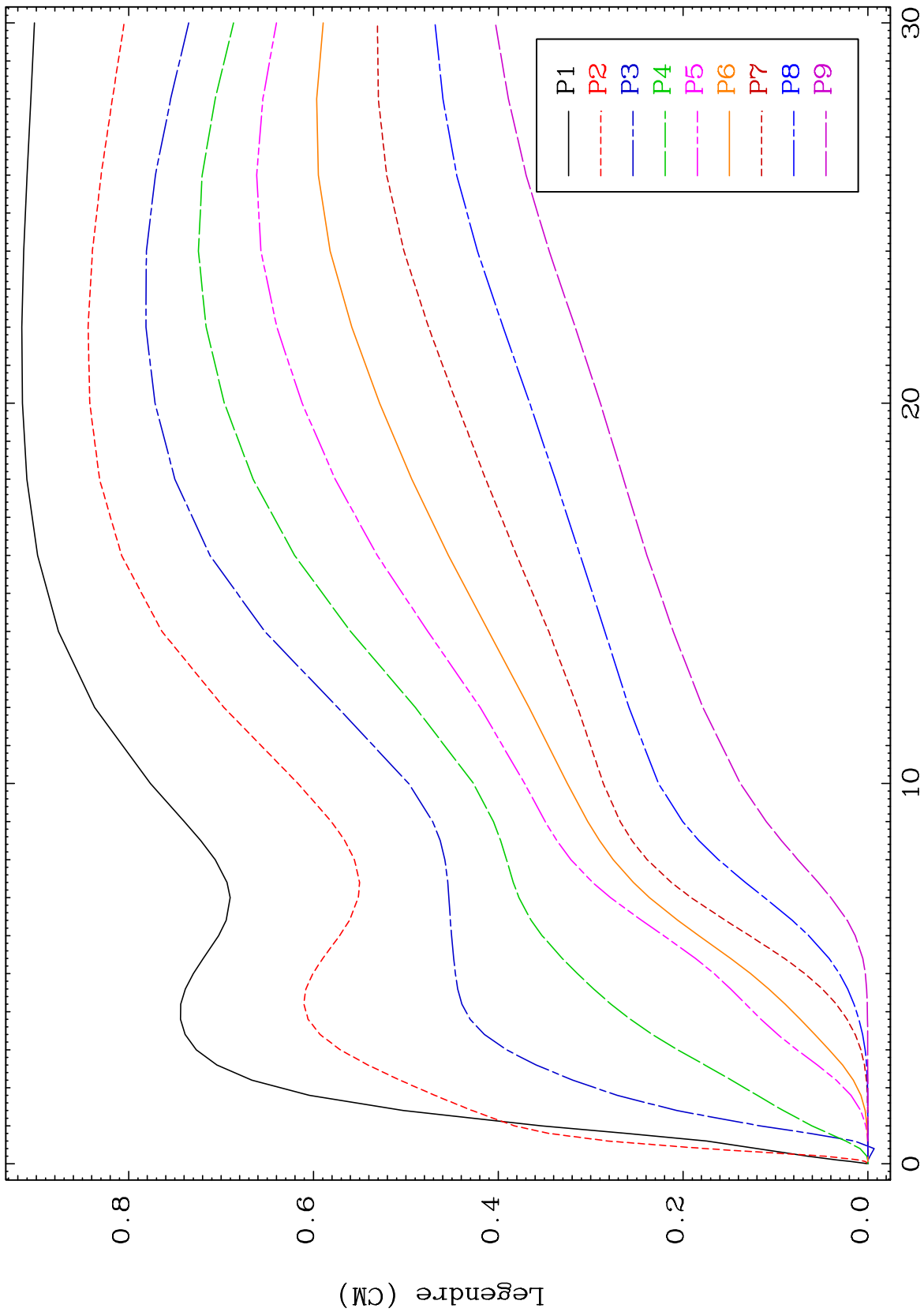




MAT 6489

Elastic Legendre Coefficients

65-Tb-147



16

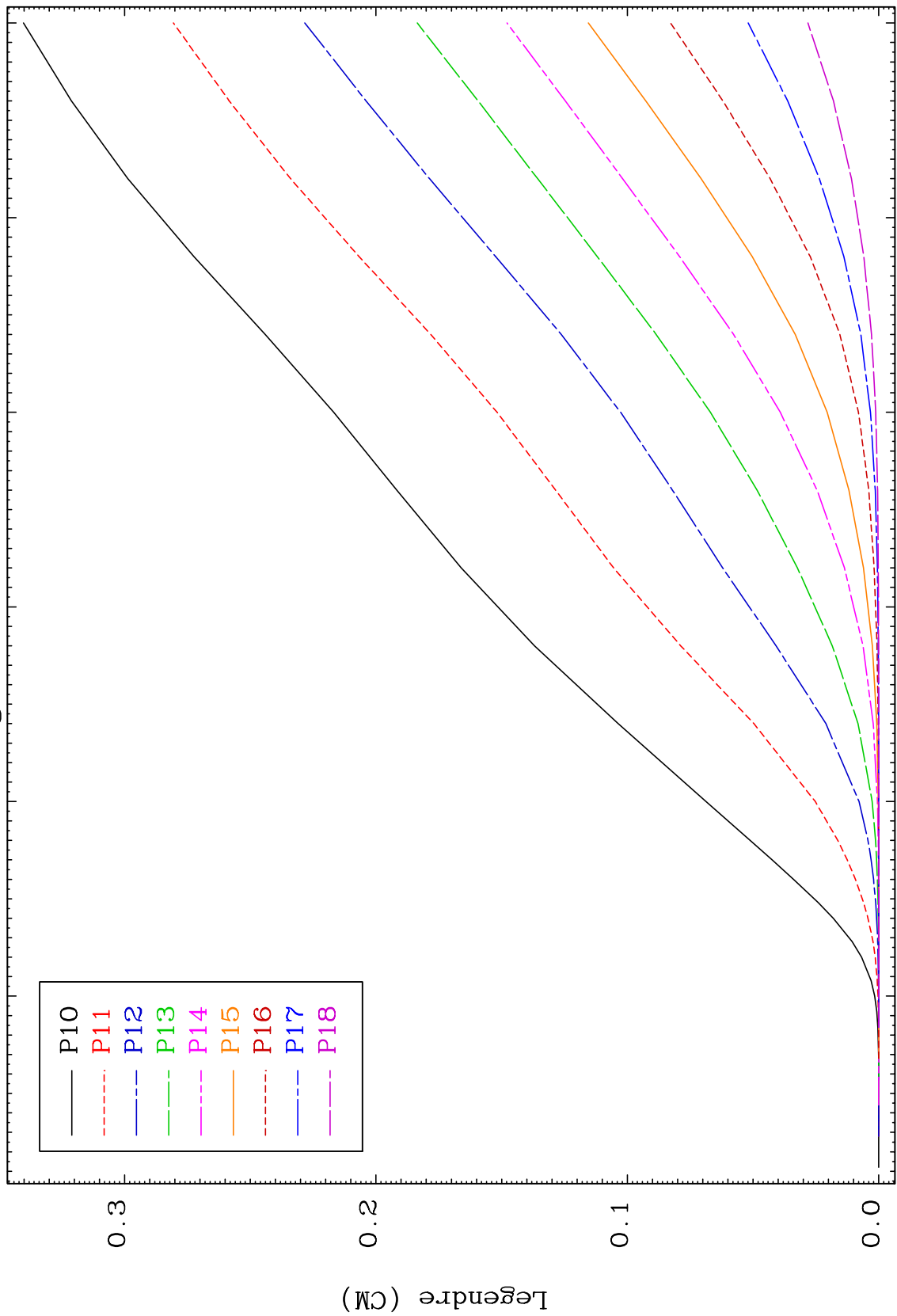
Incident Energy (MeV)

65-Tb-147

MAT 6489

Elastic Legendre Coefficients

65-Tb-147



17

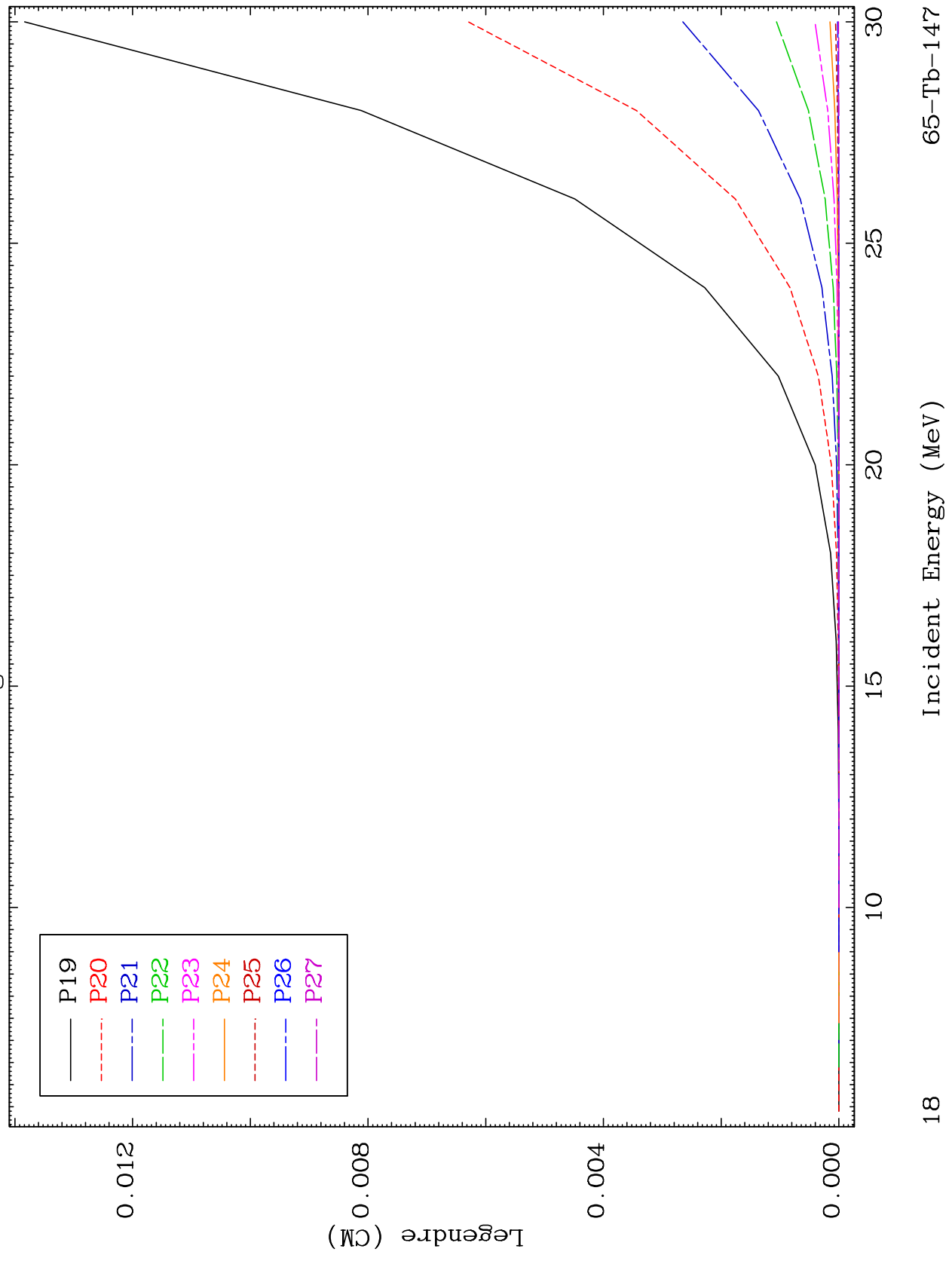
Incident Energy (MeV)

65-Tb-147

MAT 6489

Elastic Legendre Coefficients

65-Tb-147



18

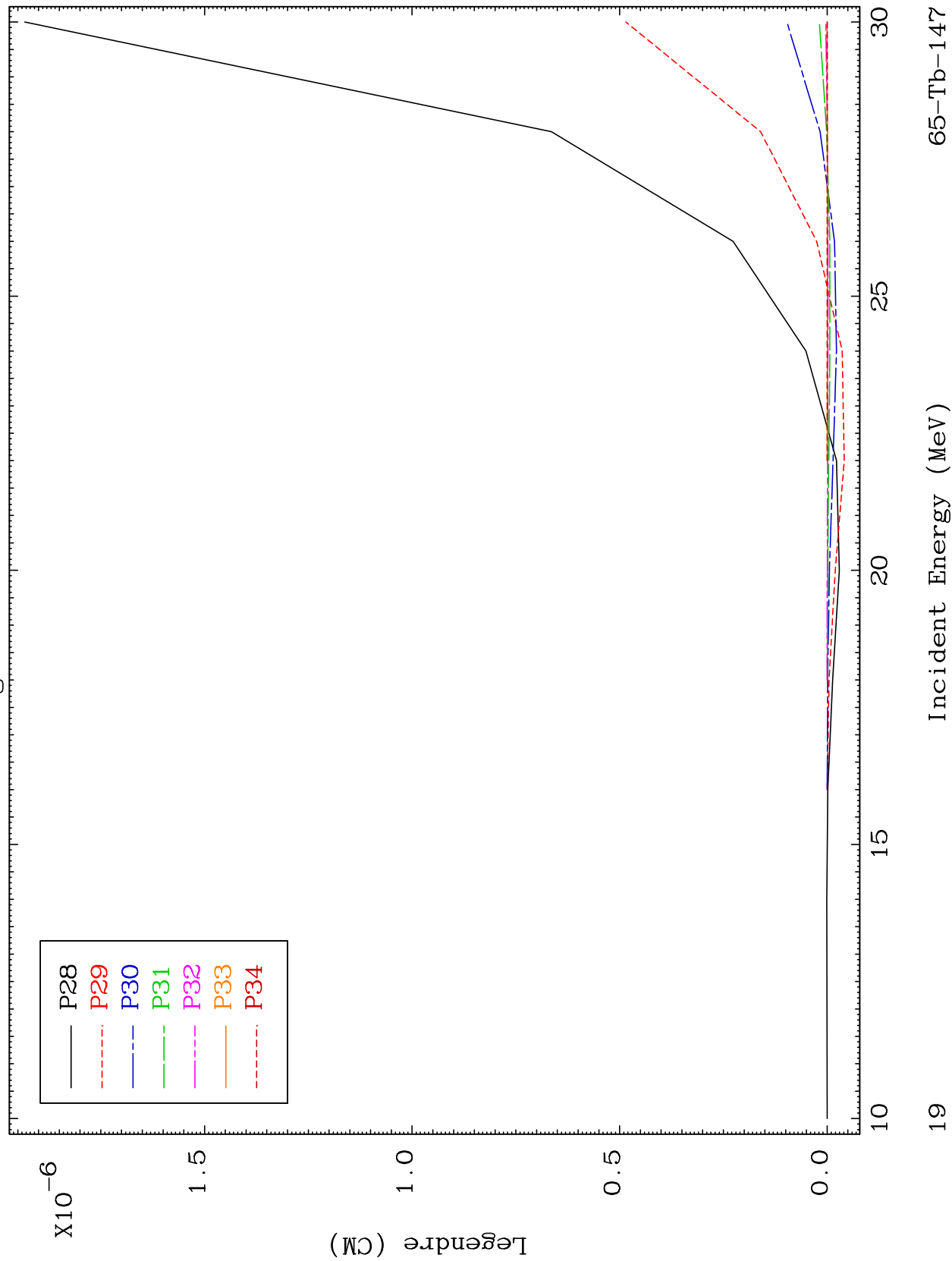
Incident Energy (MeV)

65-Tb-147

MAT 6489

Elastic Legendre Coefficients

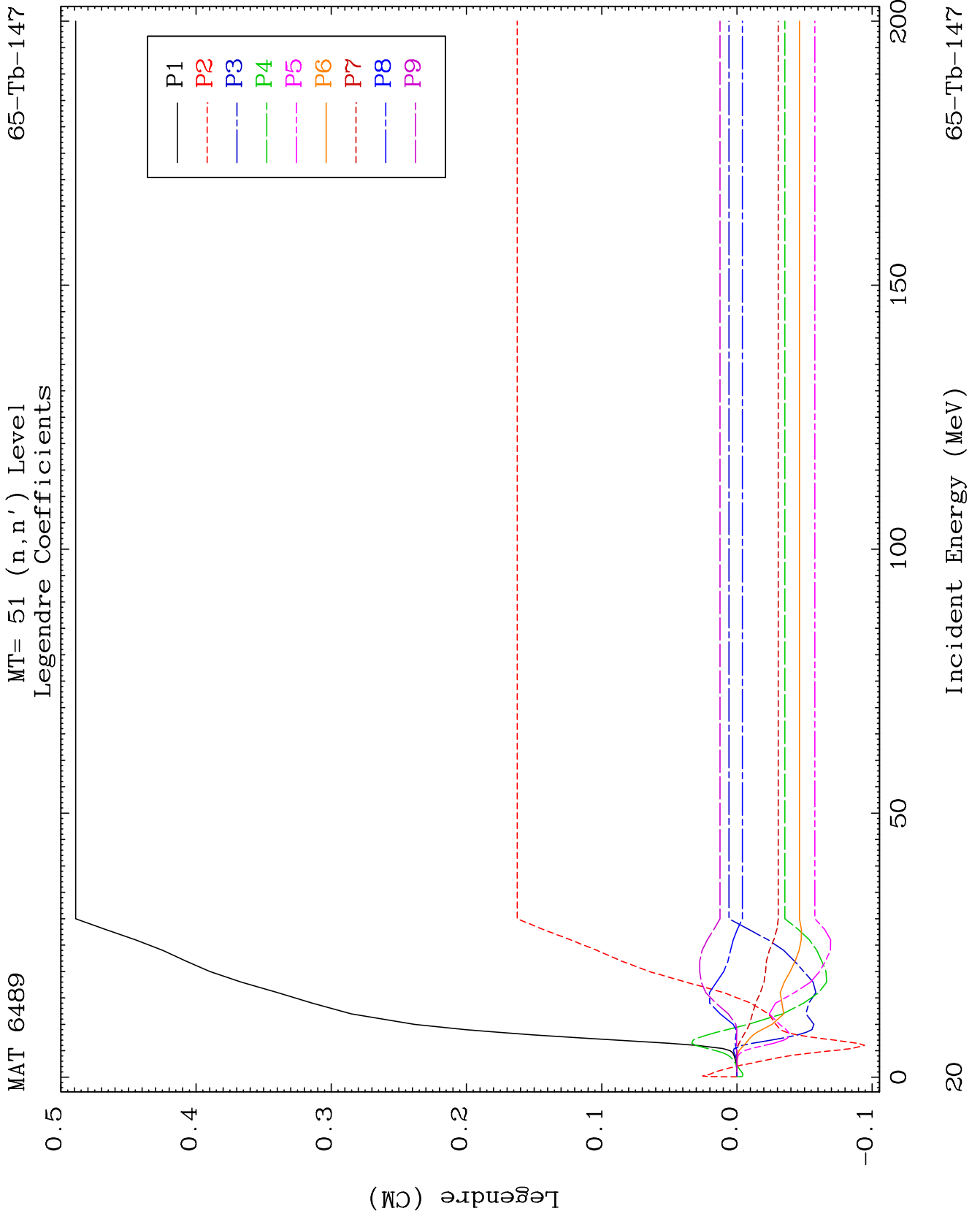
65-Tb-147



65-Tb-147

Incident Energy (MeV)

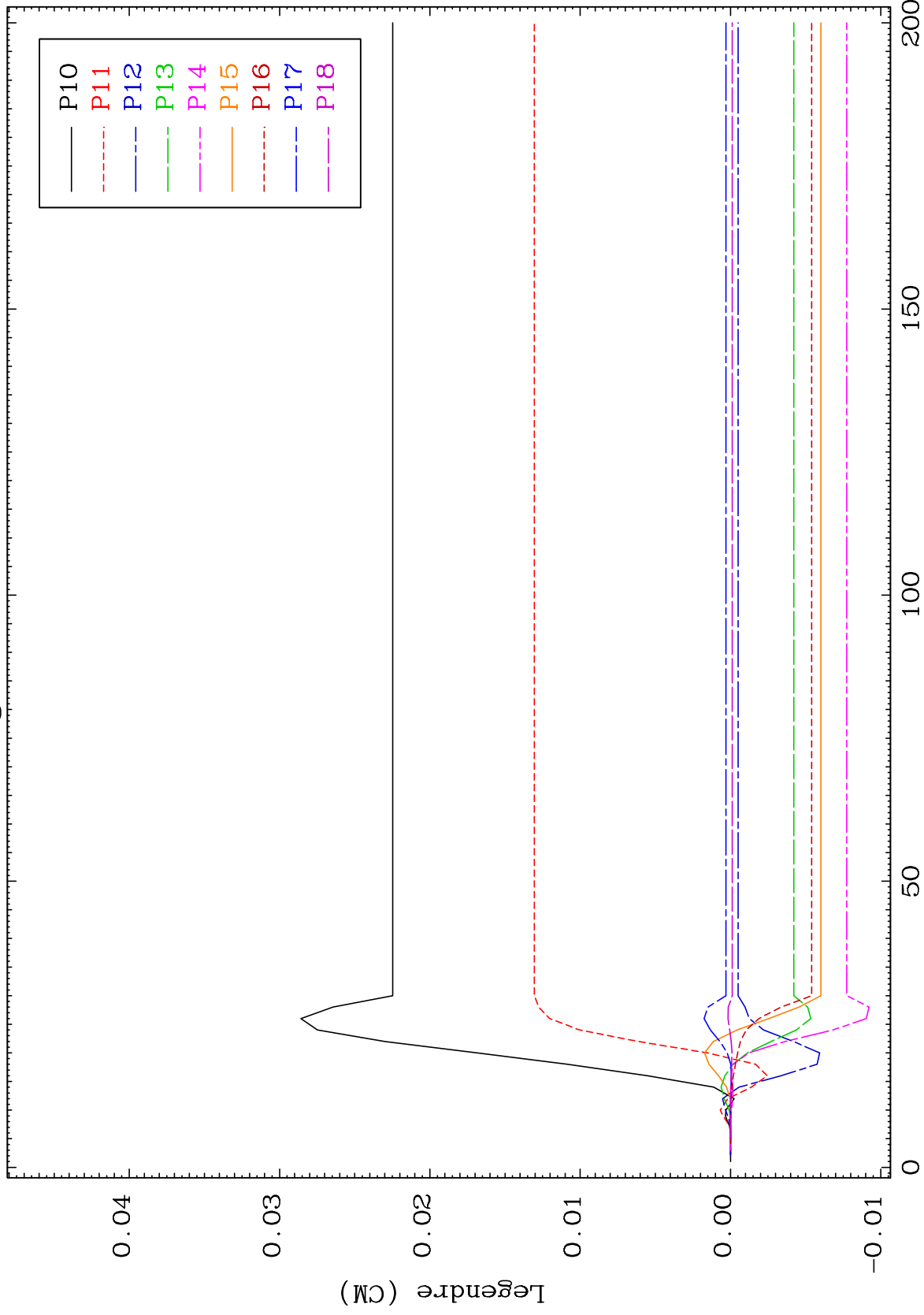
19



MAT 6489

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

65-Tb-147



21

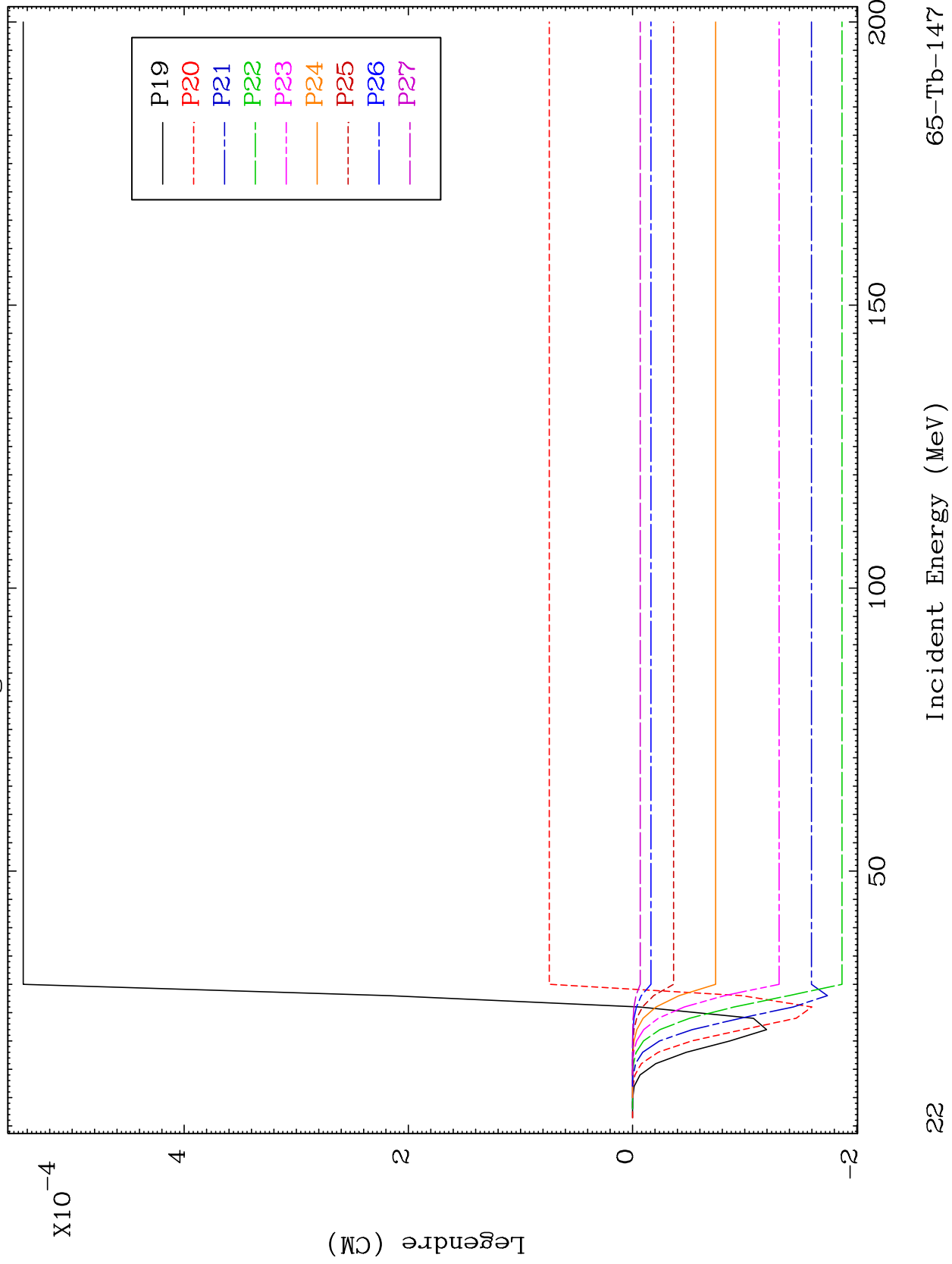
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

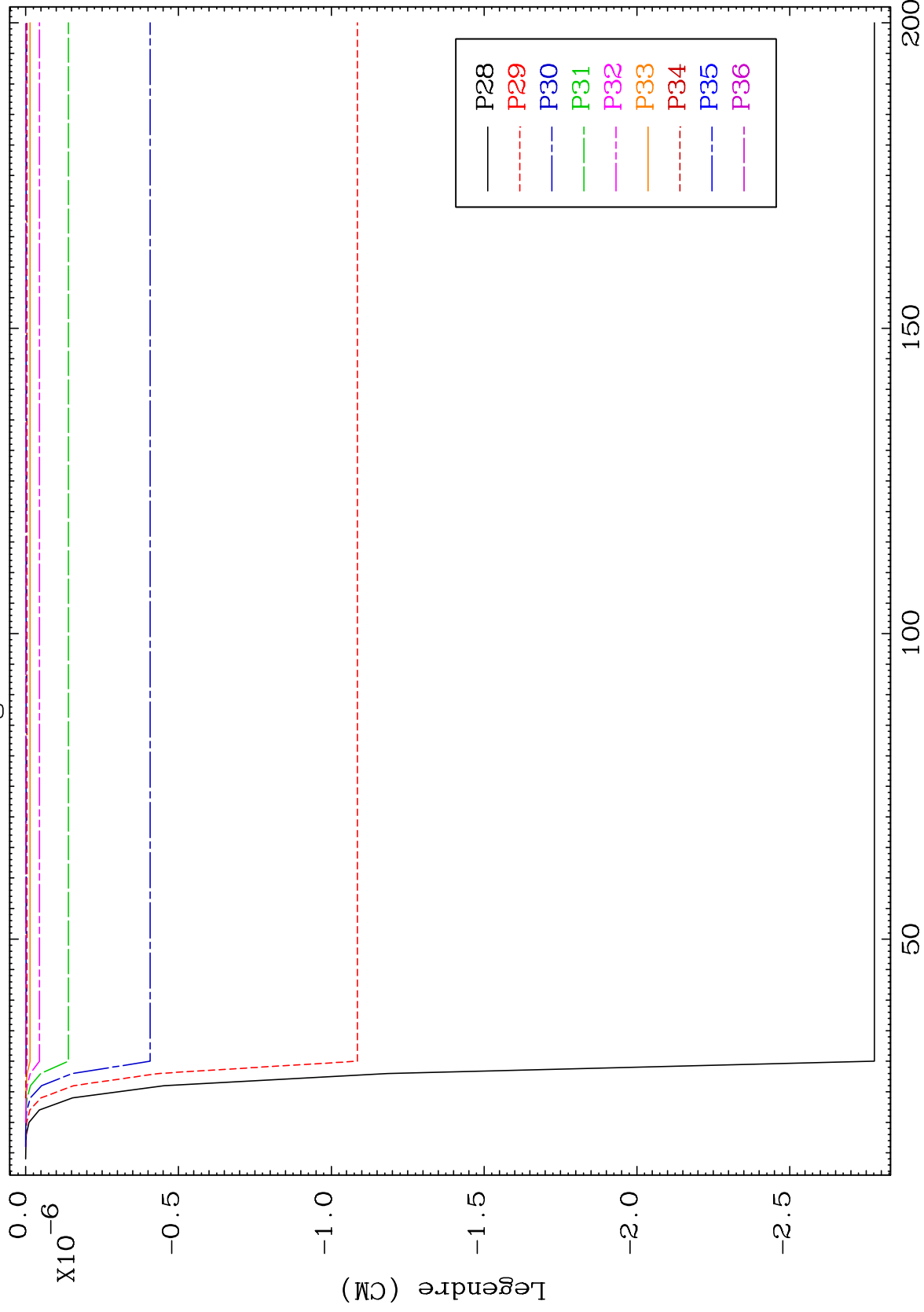
65-Tb-147



MAT 6489

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

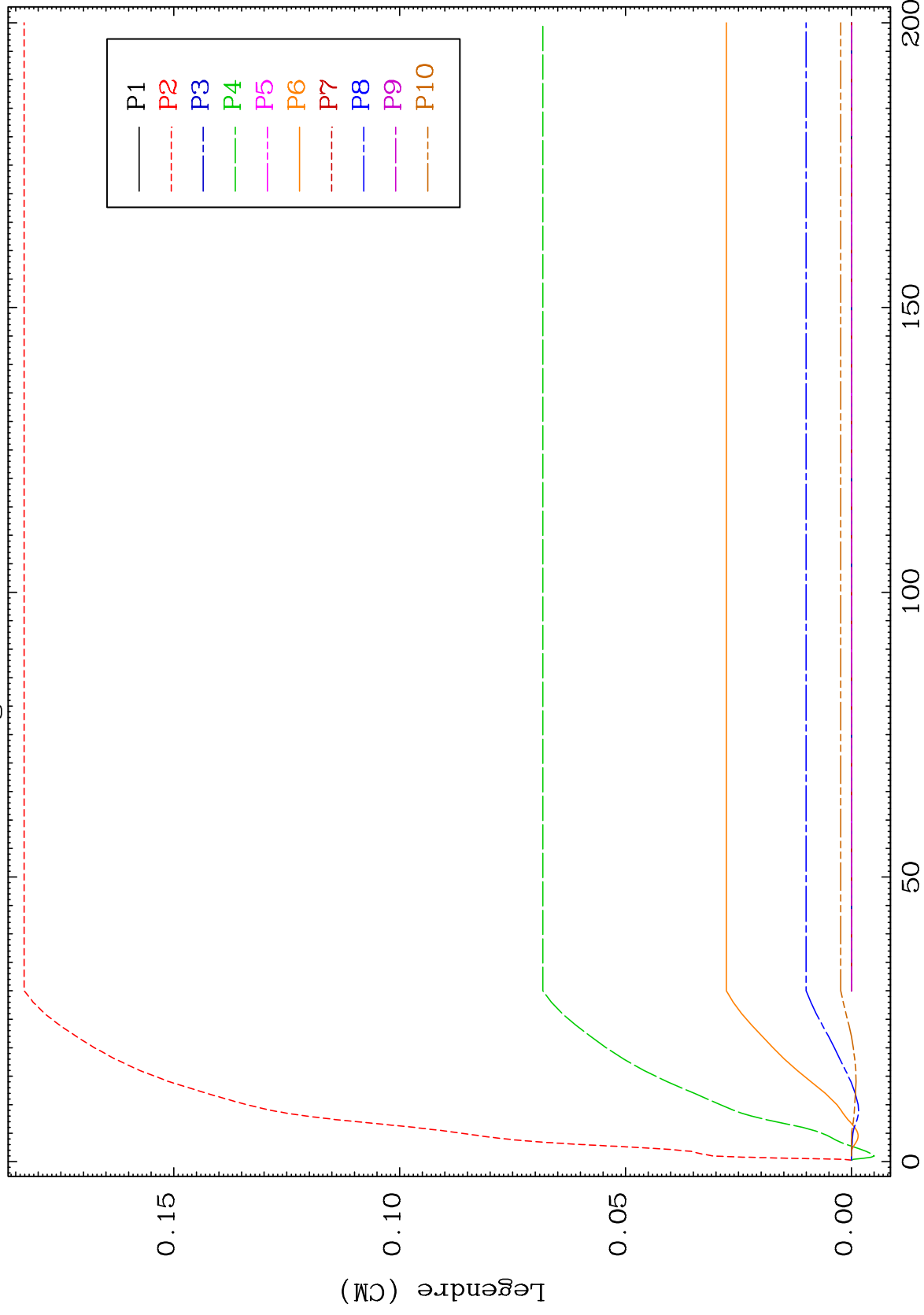
65-Tb-147



MAT 6489

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

65-Tb-147



24

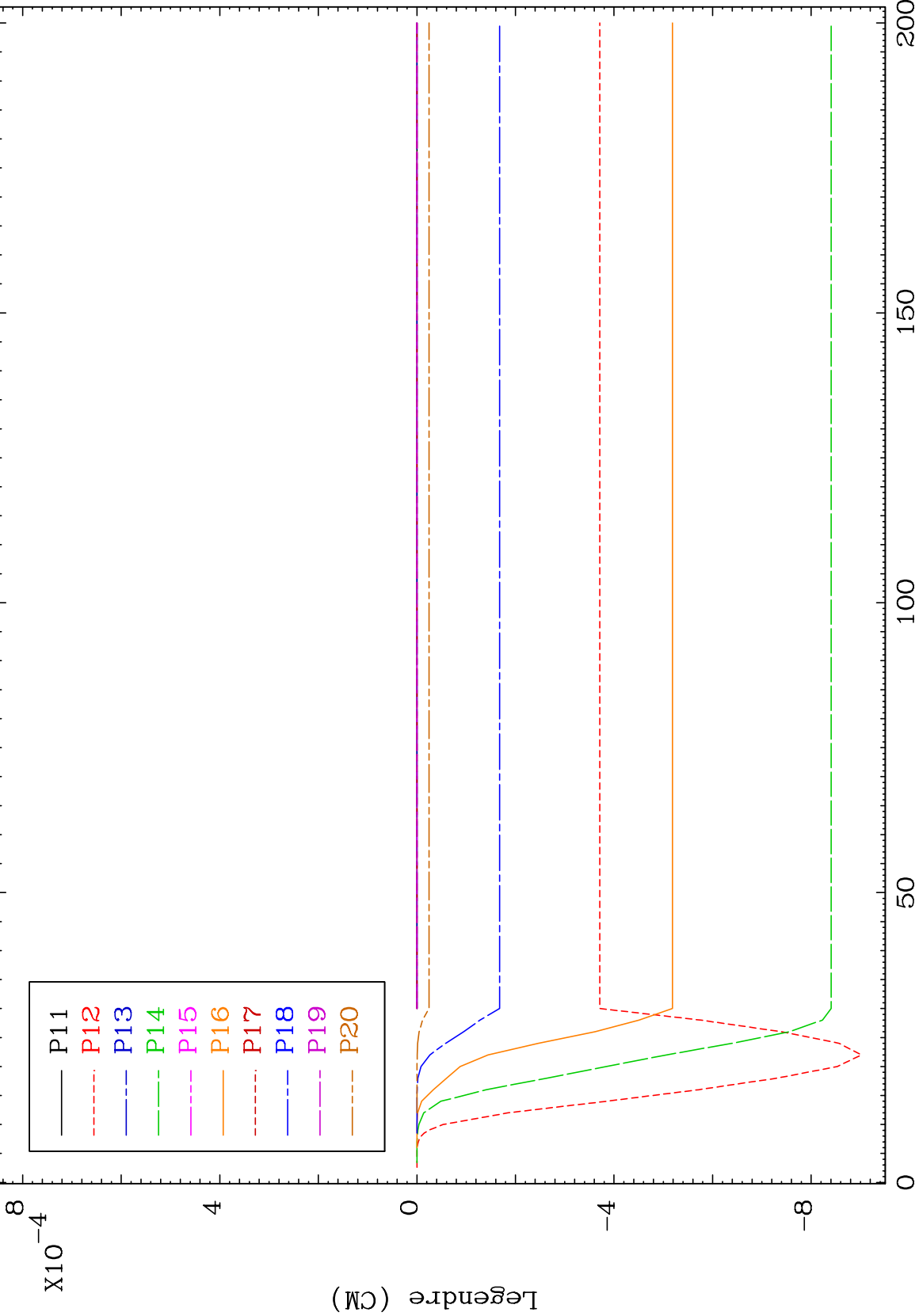
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

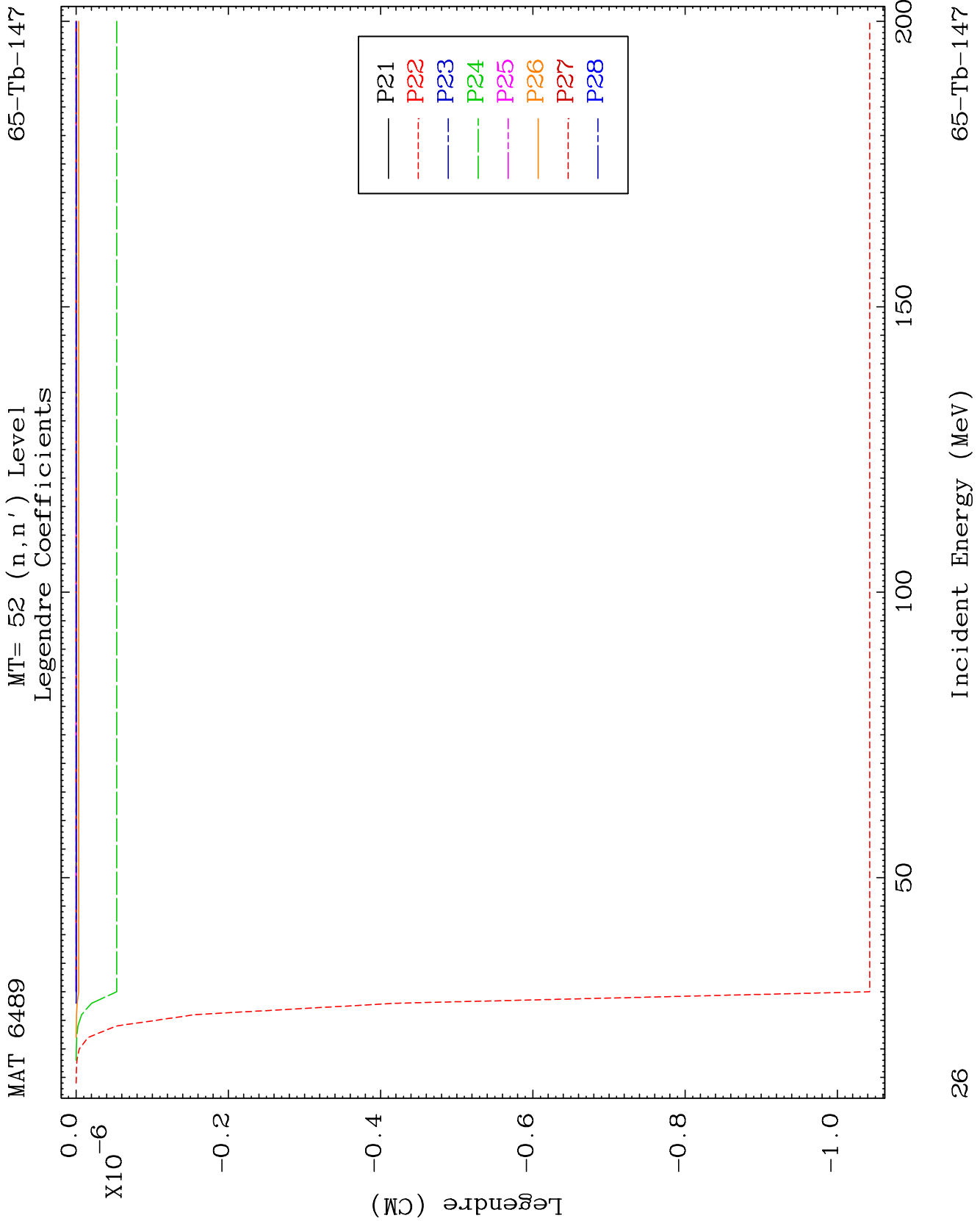
65-Tb-147



25

Incident Energy (MeV)

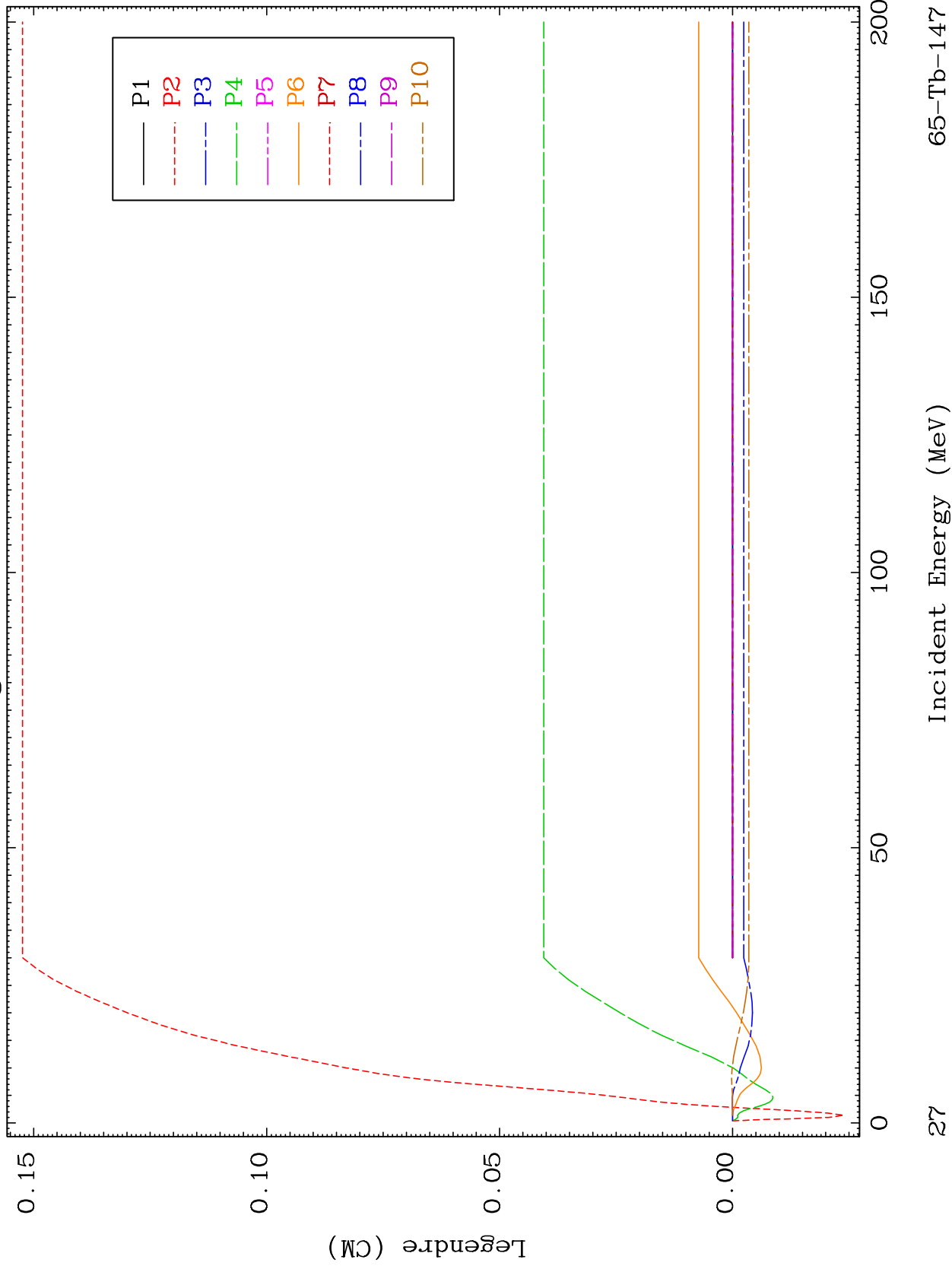
65-Tb-147



MAT 6489

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

65-Tb-147



27

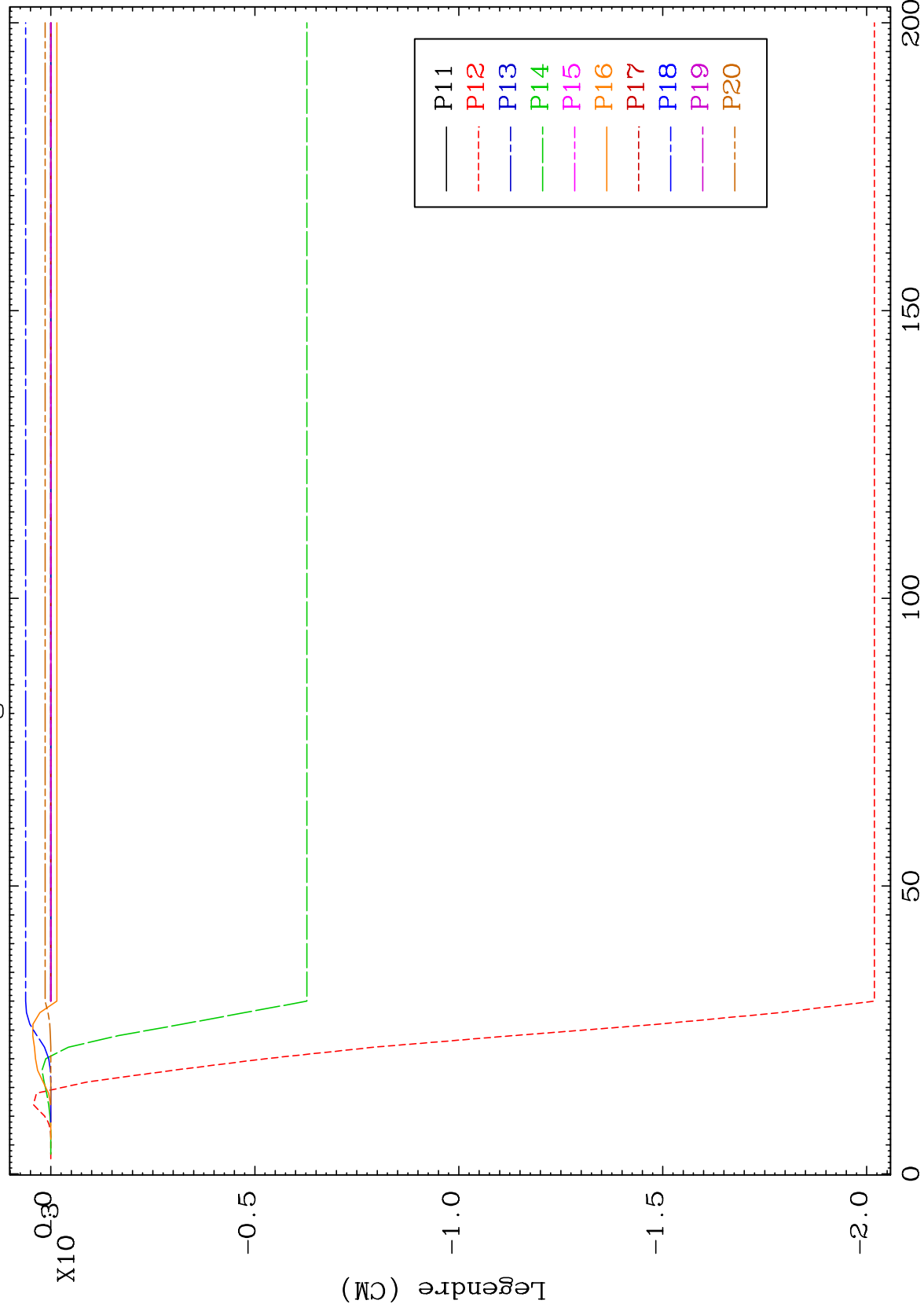
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

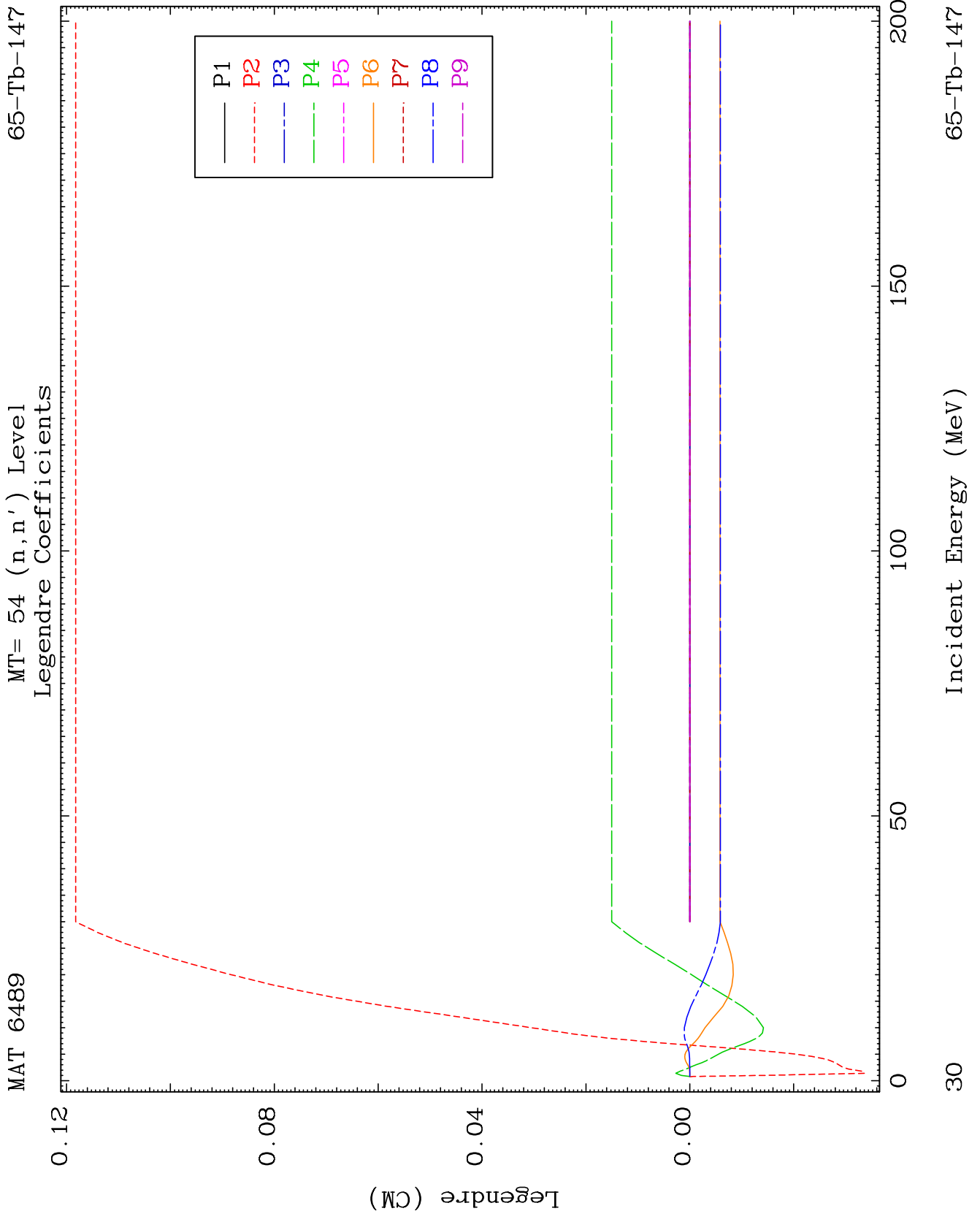
65-Tb-147

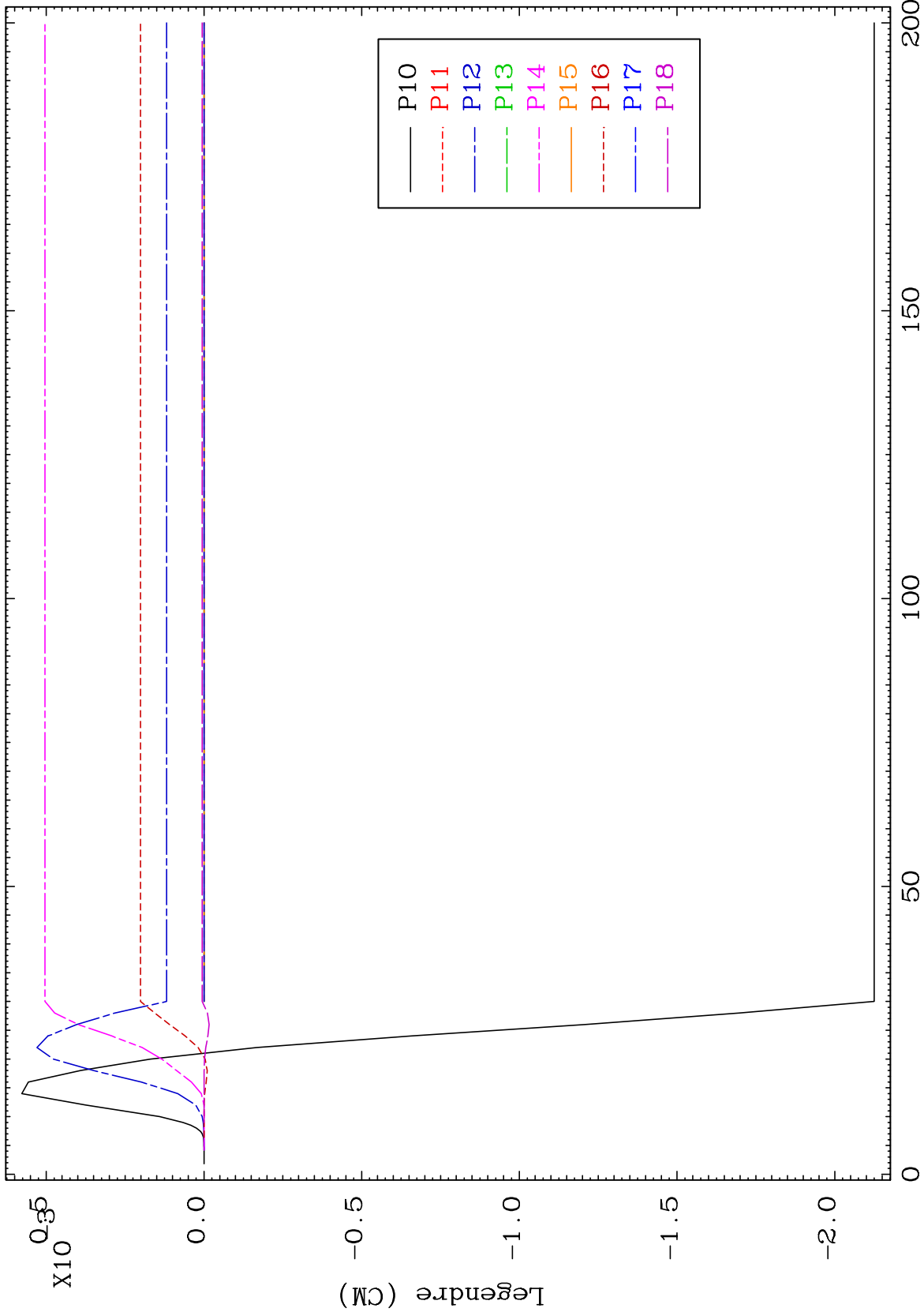


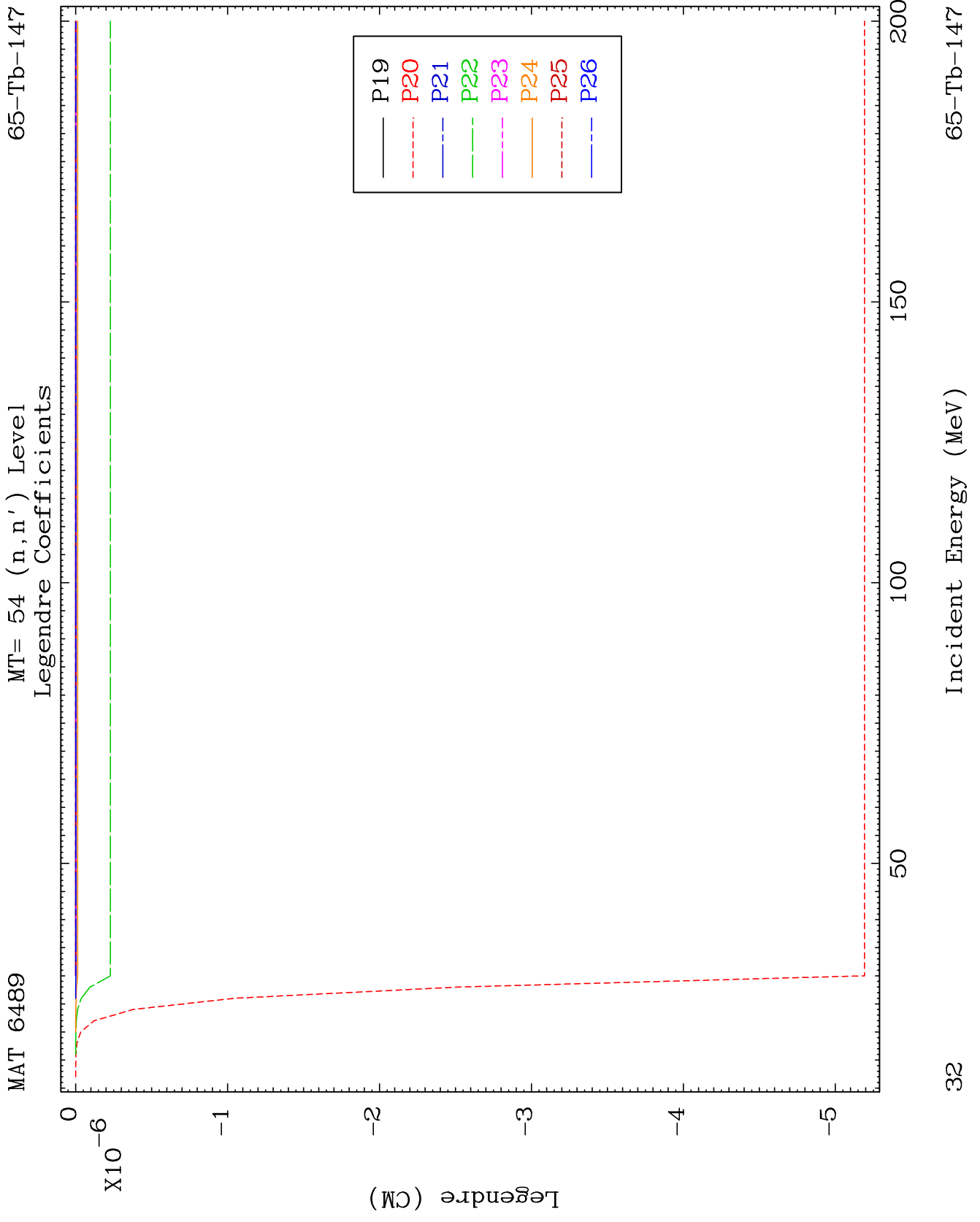
28

Incident Energy (MeV)

65-Tb-147



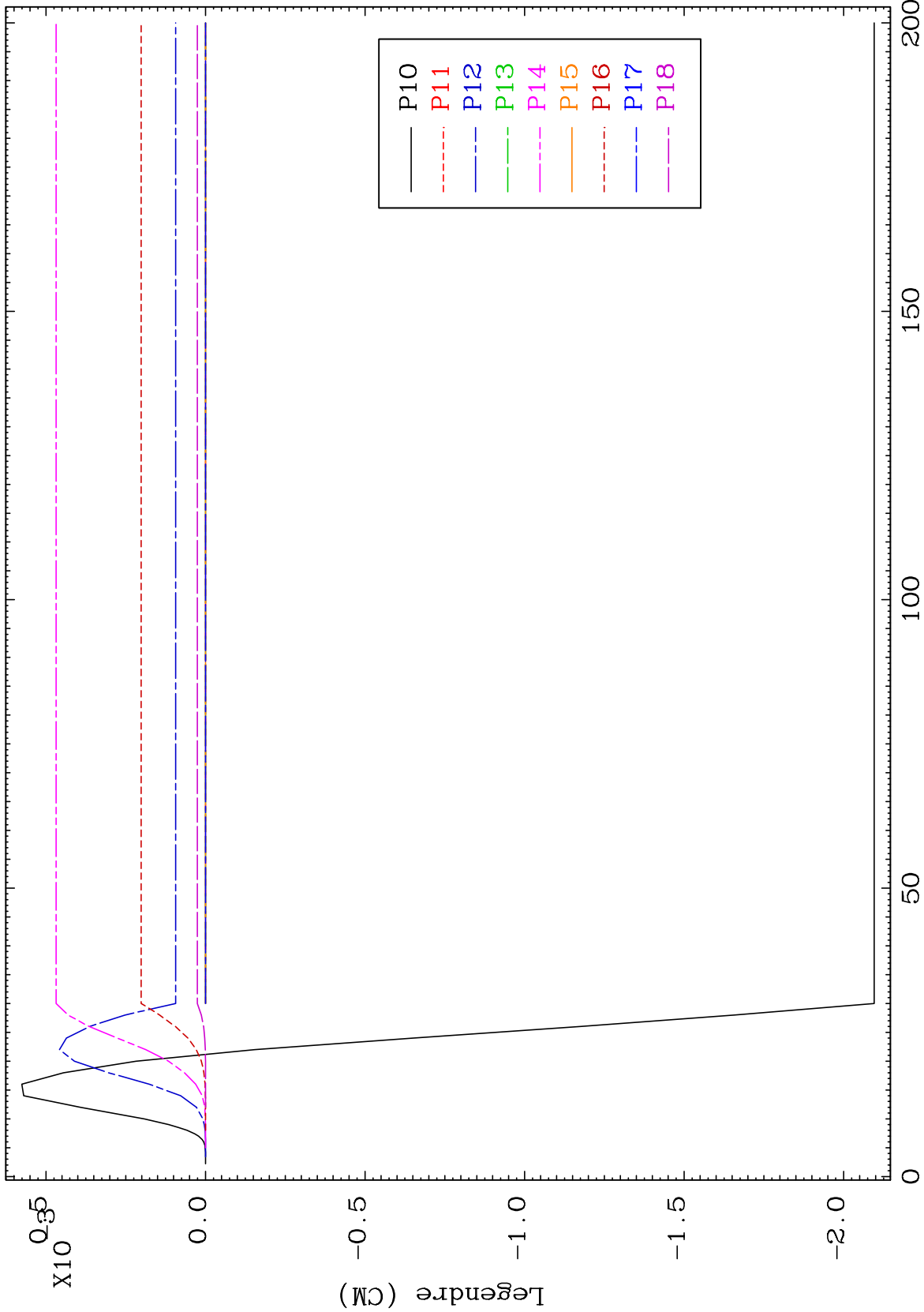




MAT 6489

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

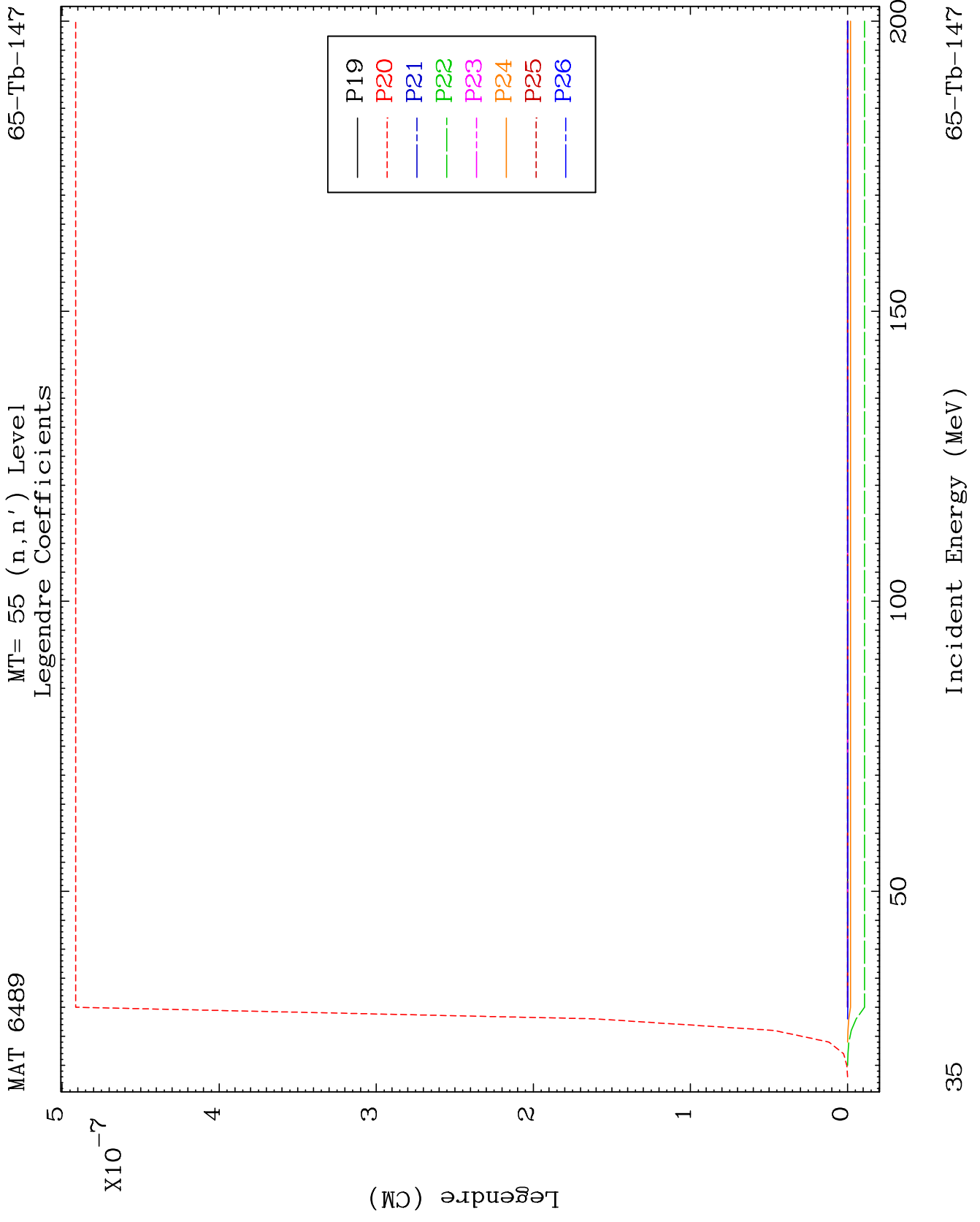
65-Tb-147



34

Incident Energy (MeV)

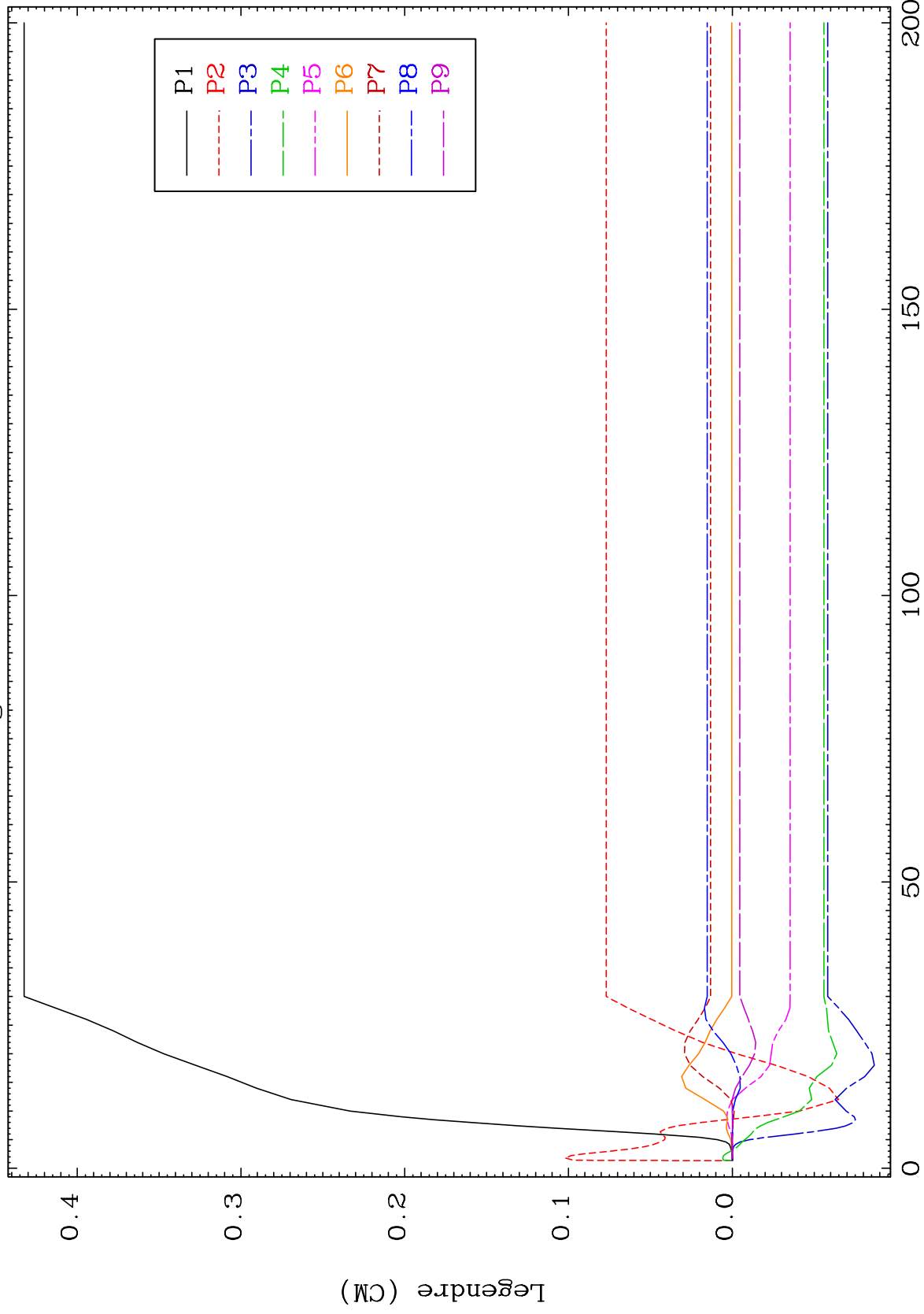
65-Tb-147



MAT 6489

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

65-Tb-147



36

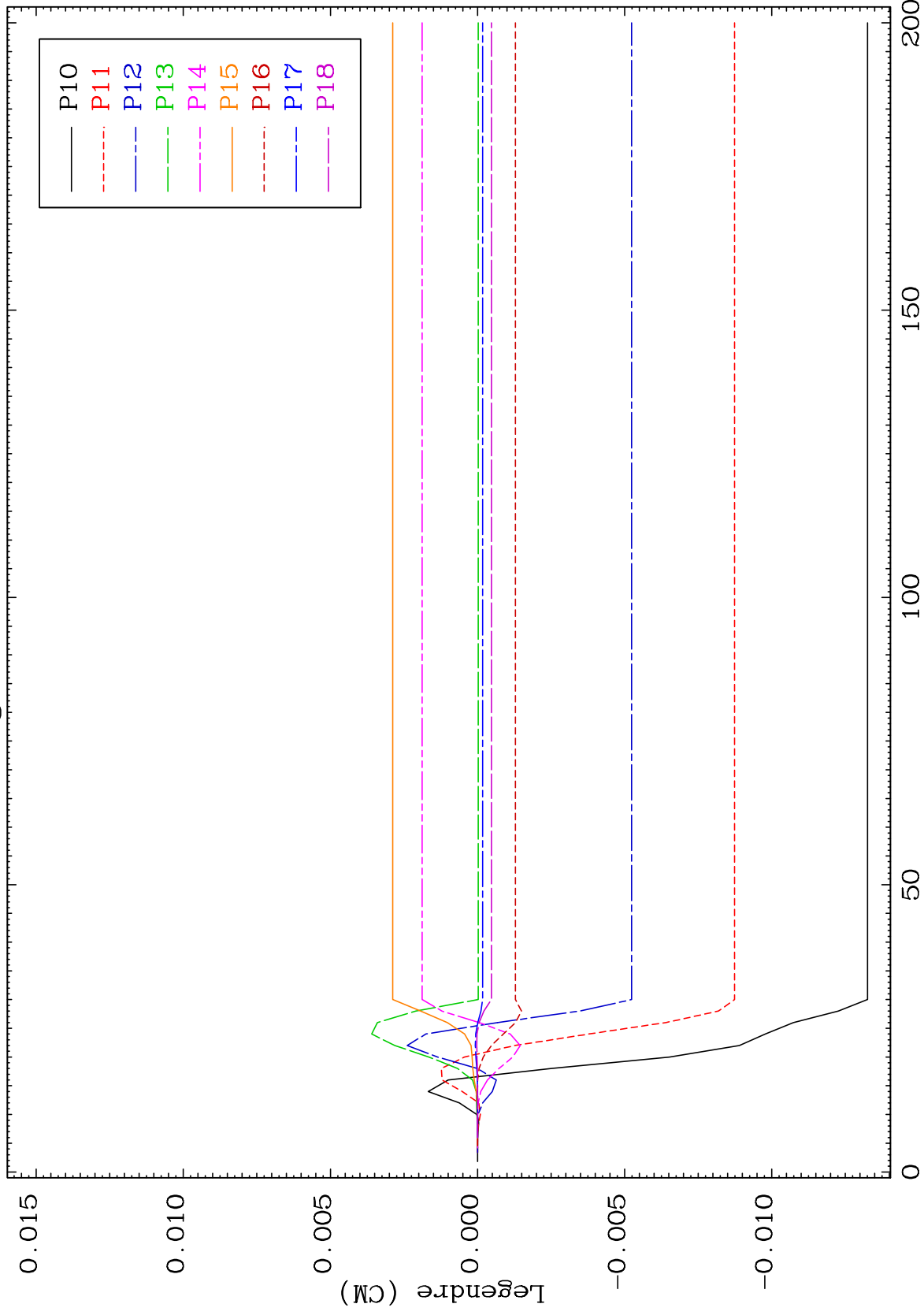
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

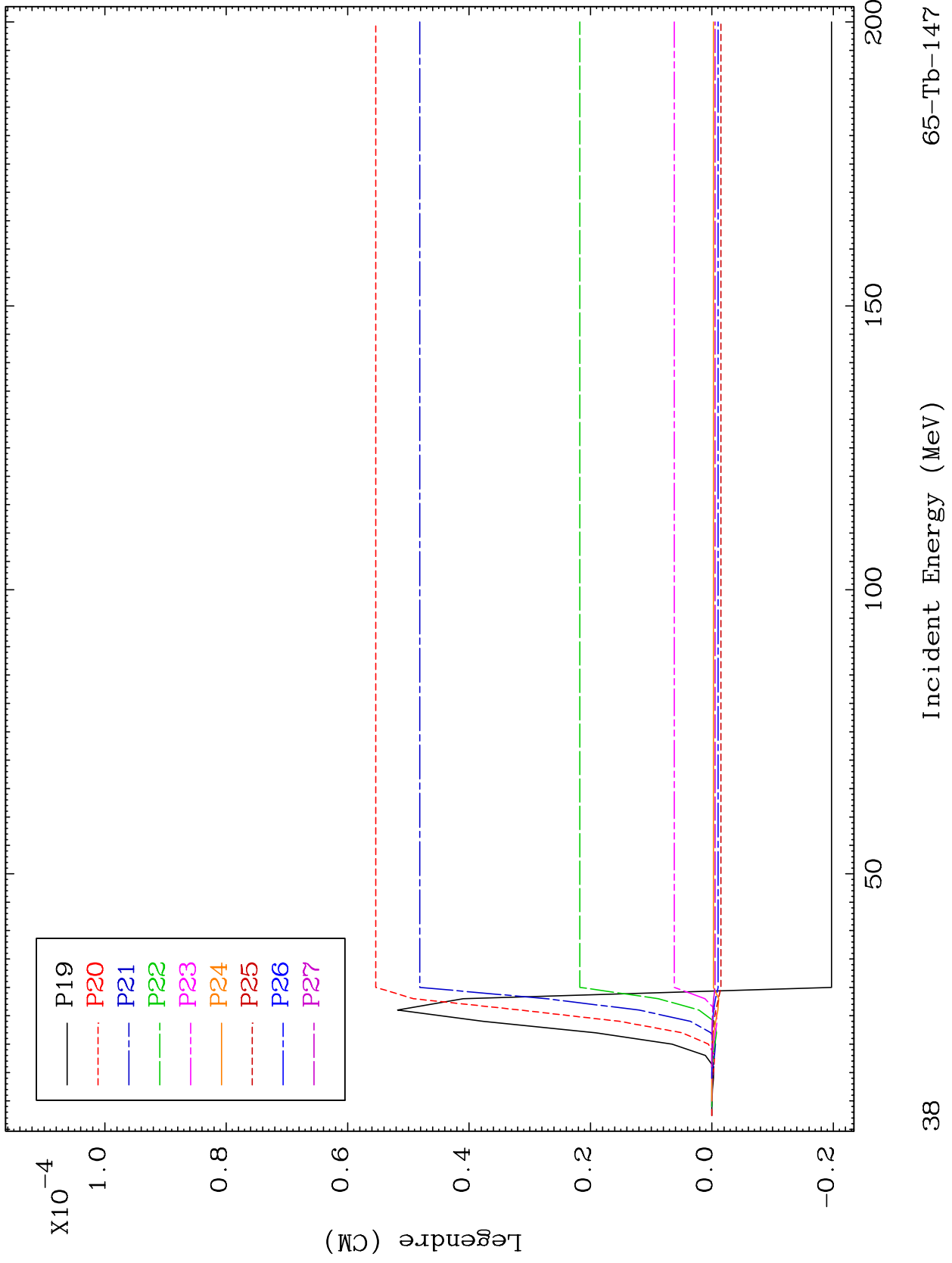
65-Tb-147



37

Incident Energy (MeV)

65-Tb-147

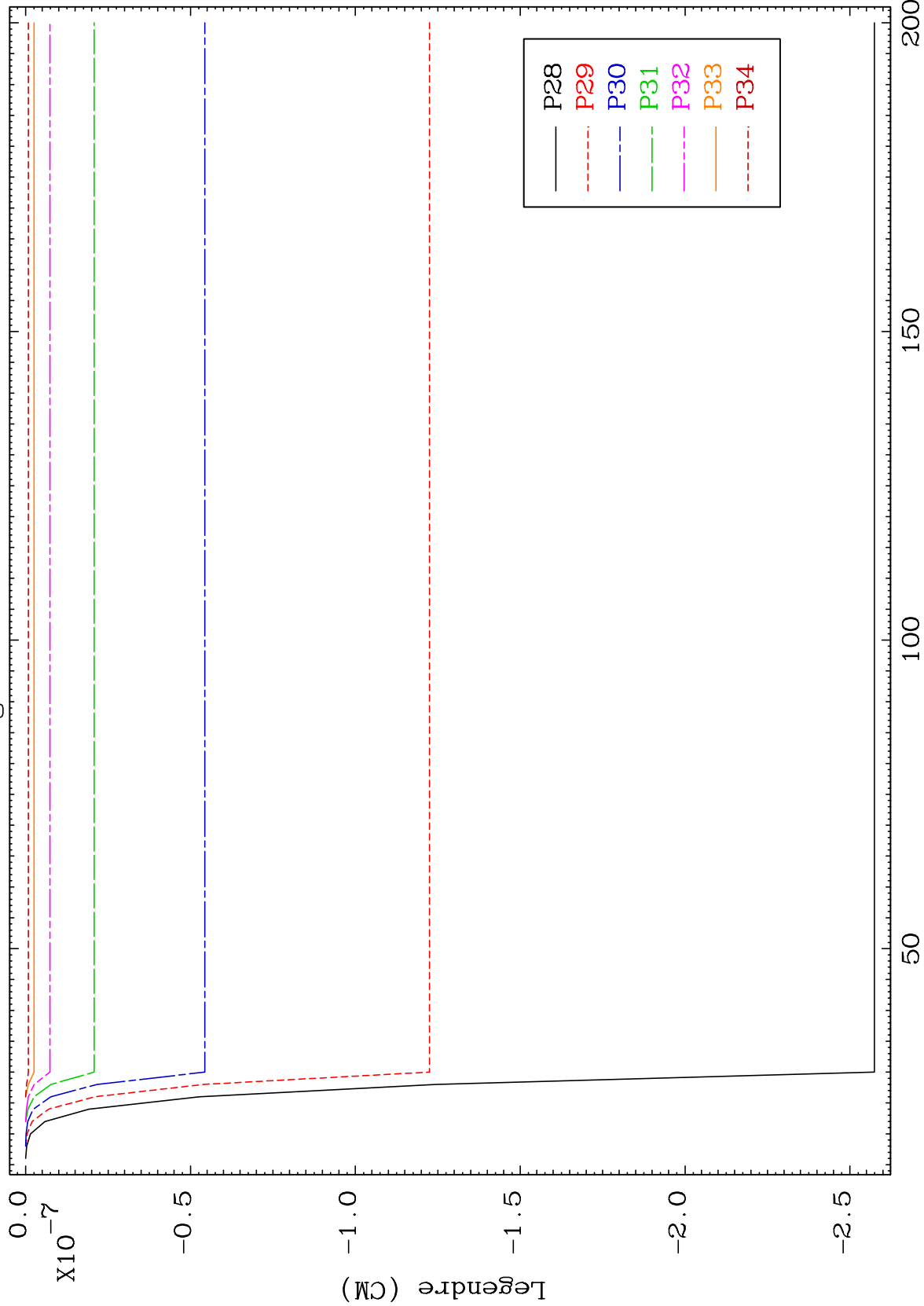


MAT 6489

MT= 56 (n,n') Level

65-Tb-147

Legendre Coefficients



39

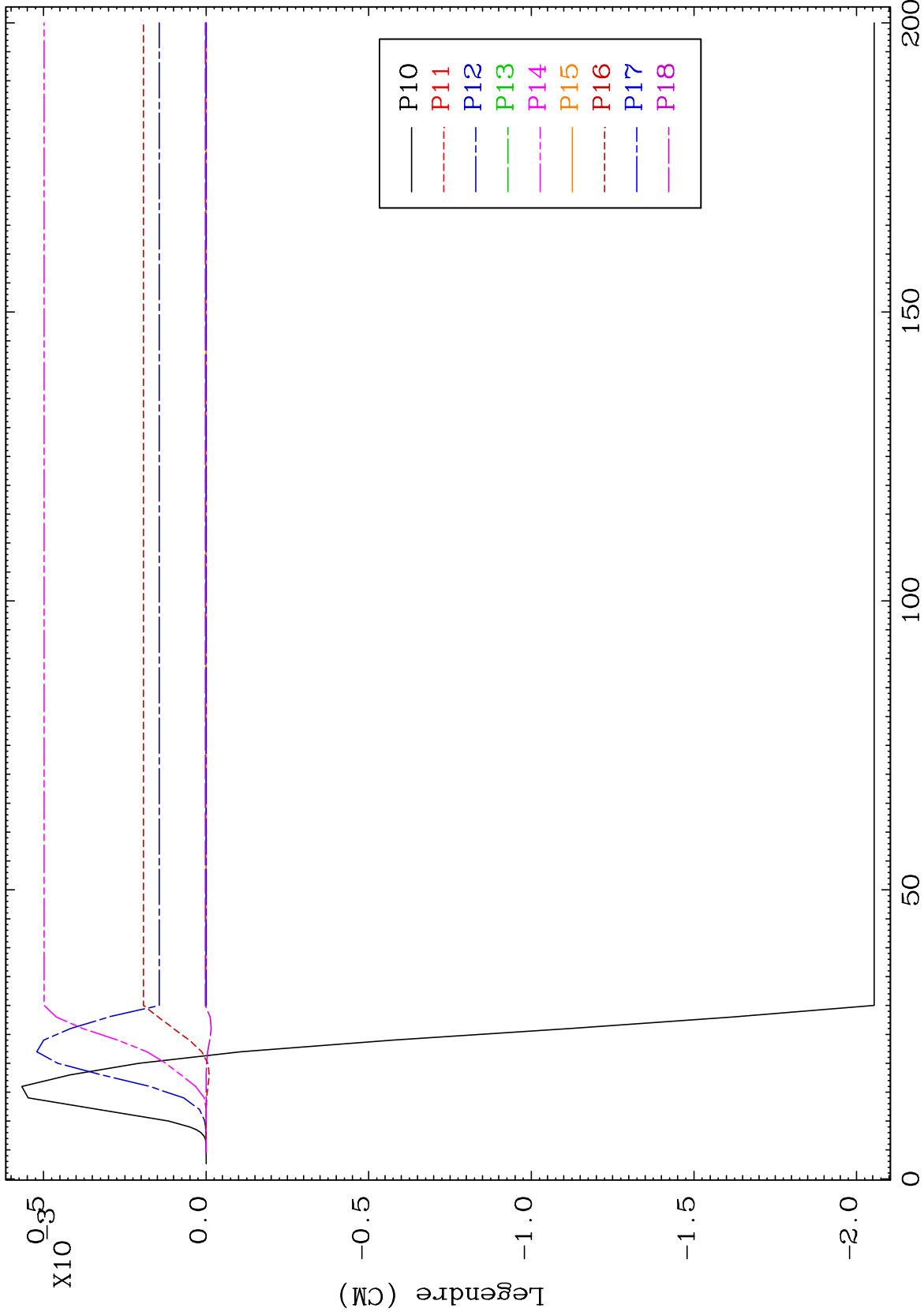
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

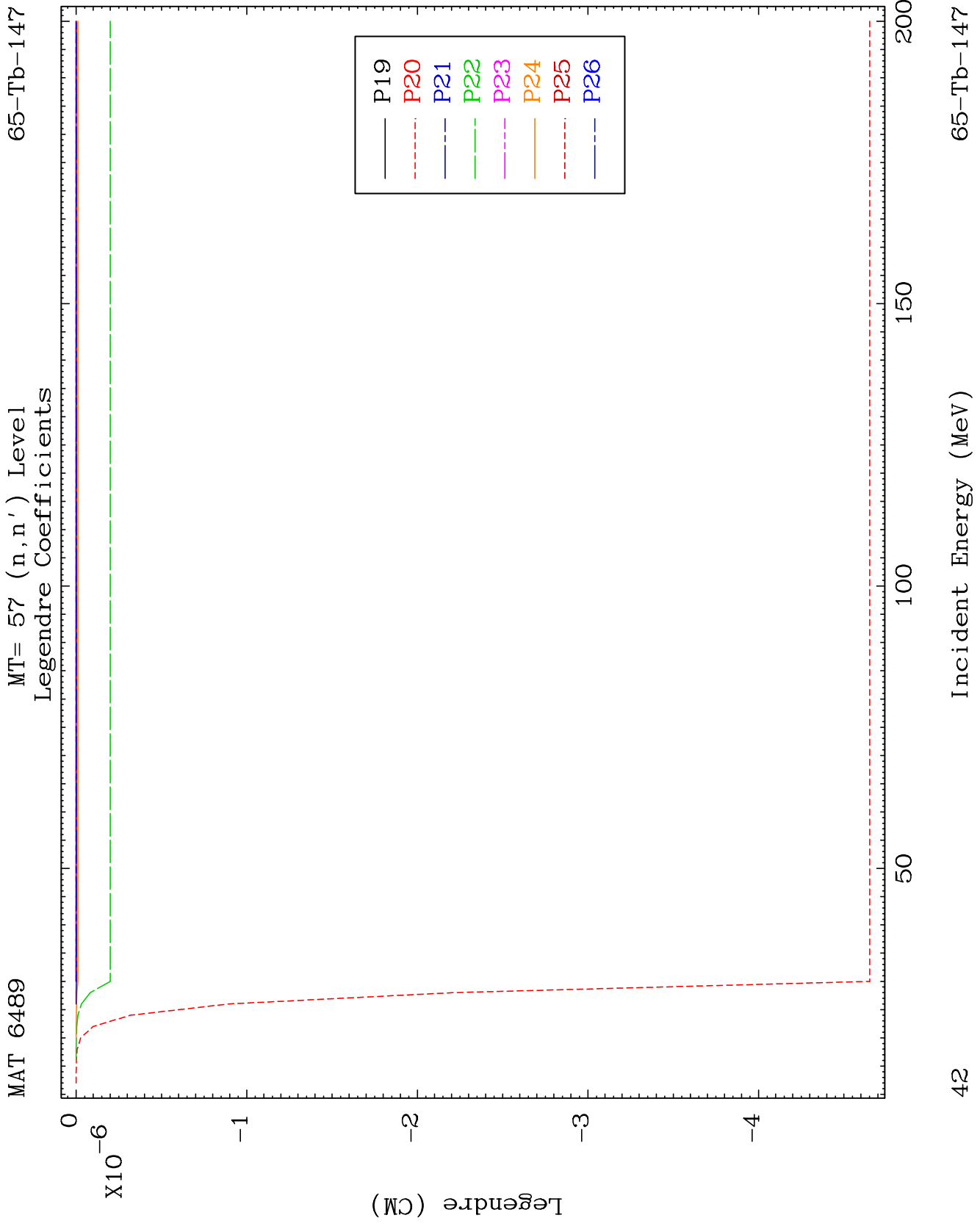
65-Tb-147



41

Incident Energy (MeV)

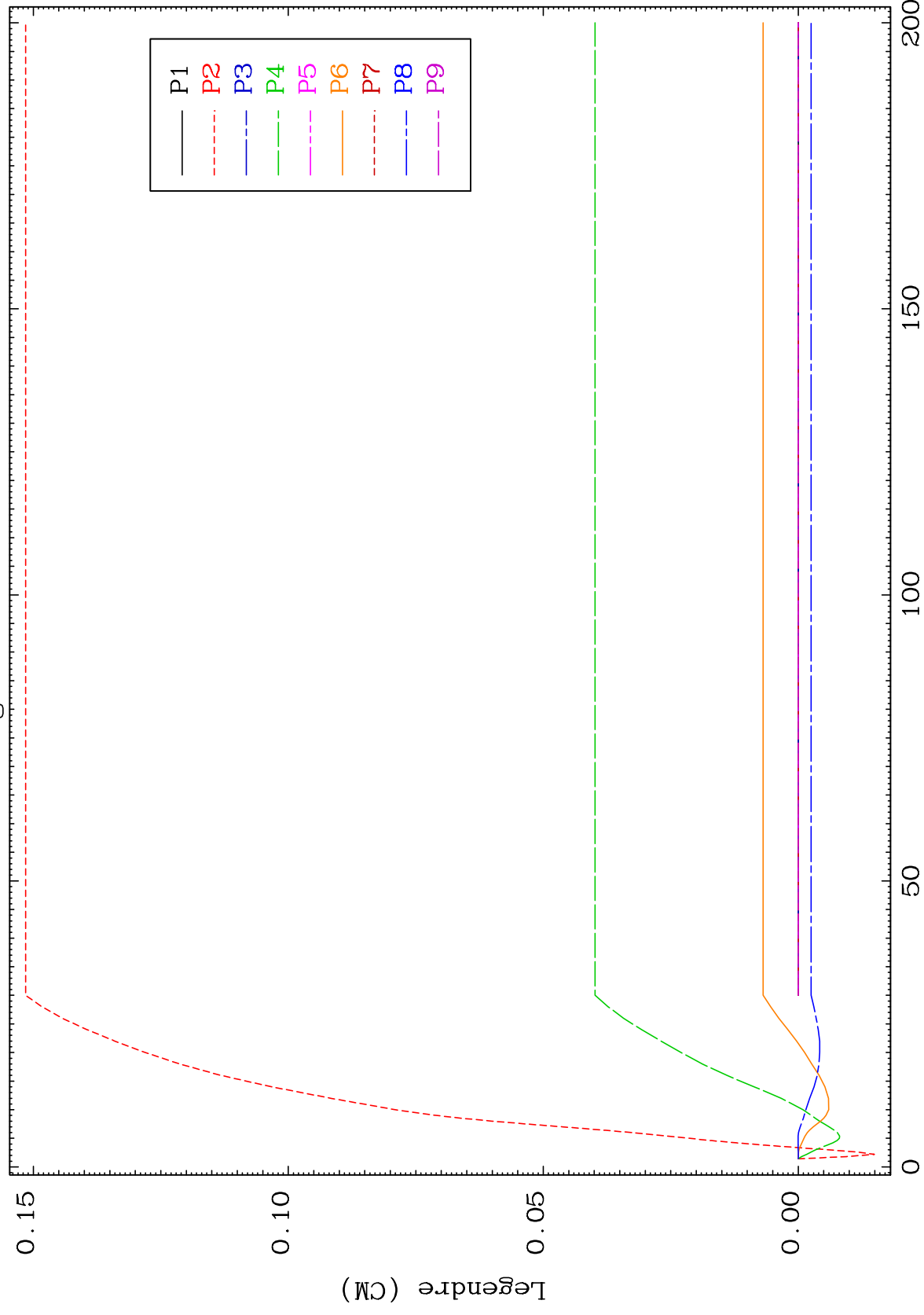
65-Tb-147



MAT 6489

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

65-Tb-147



43

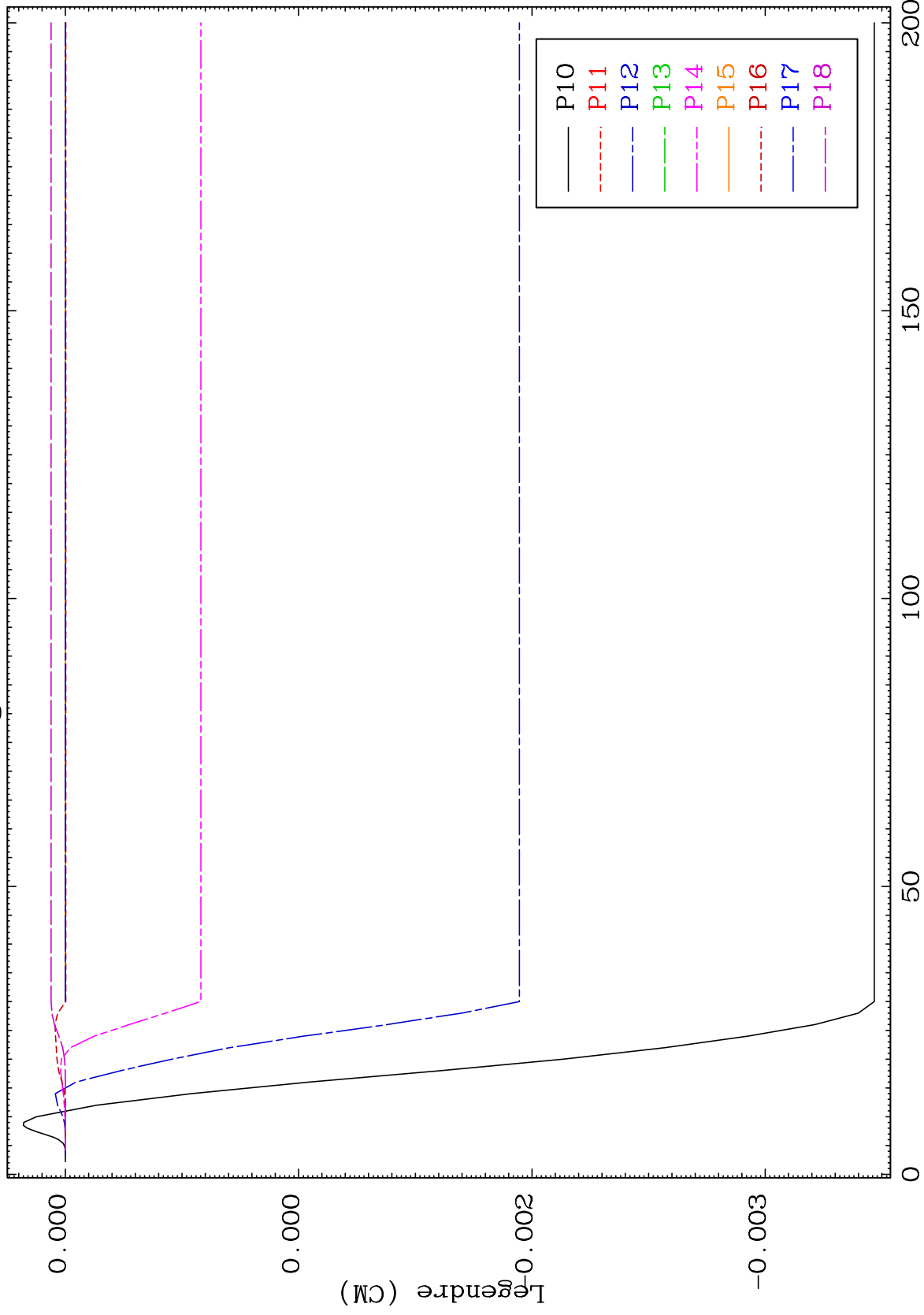
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



44

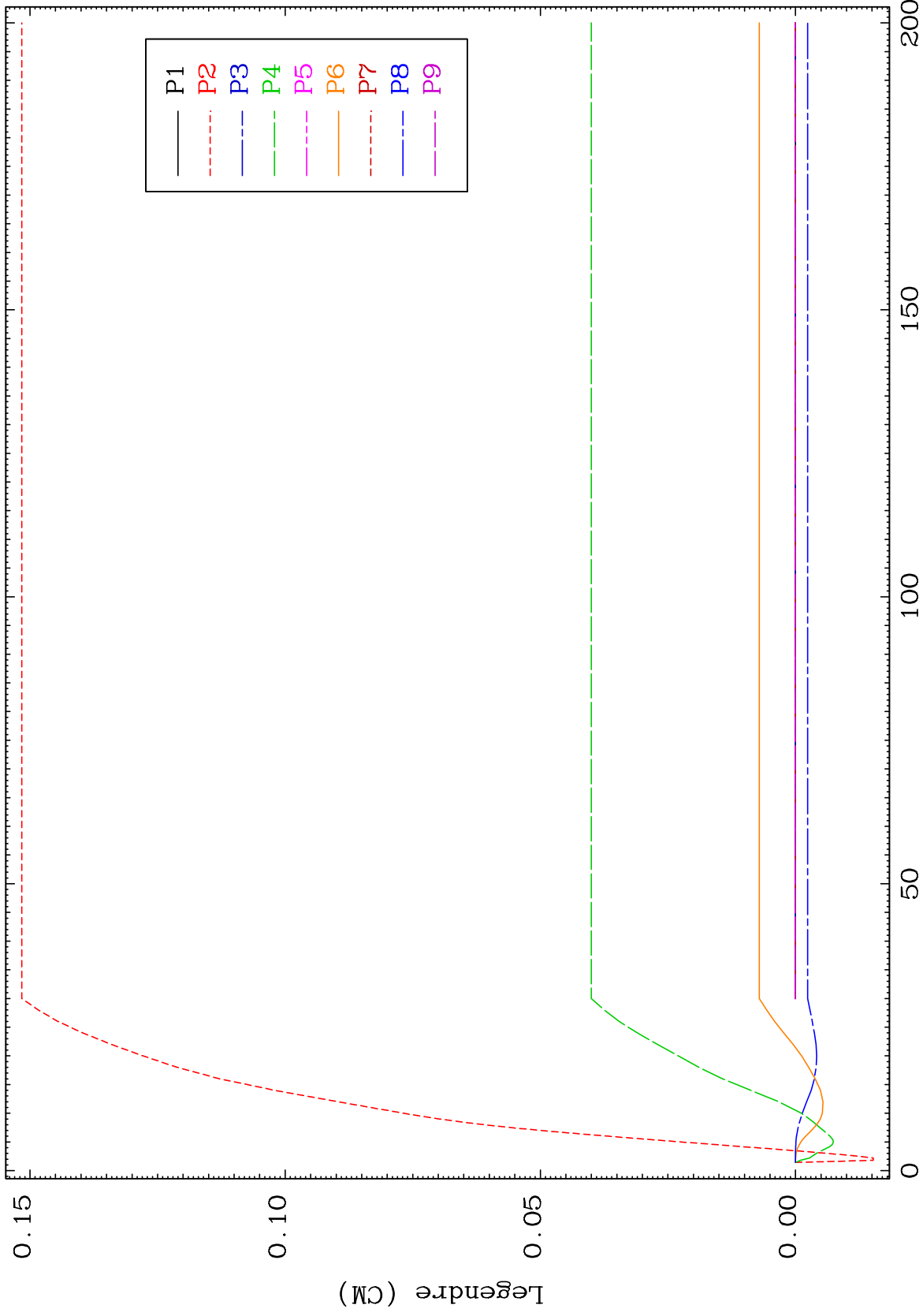
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



46

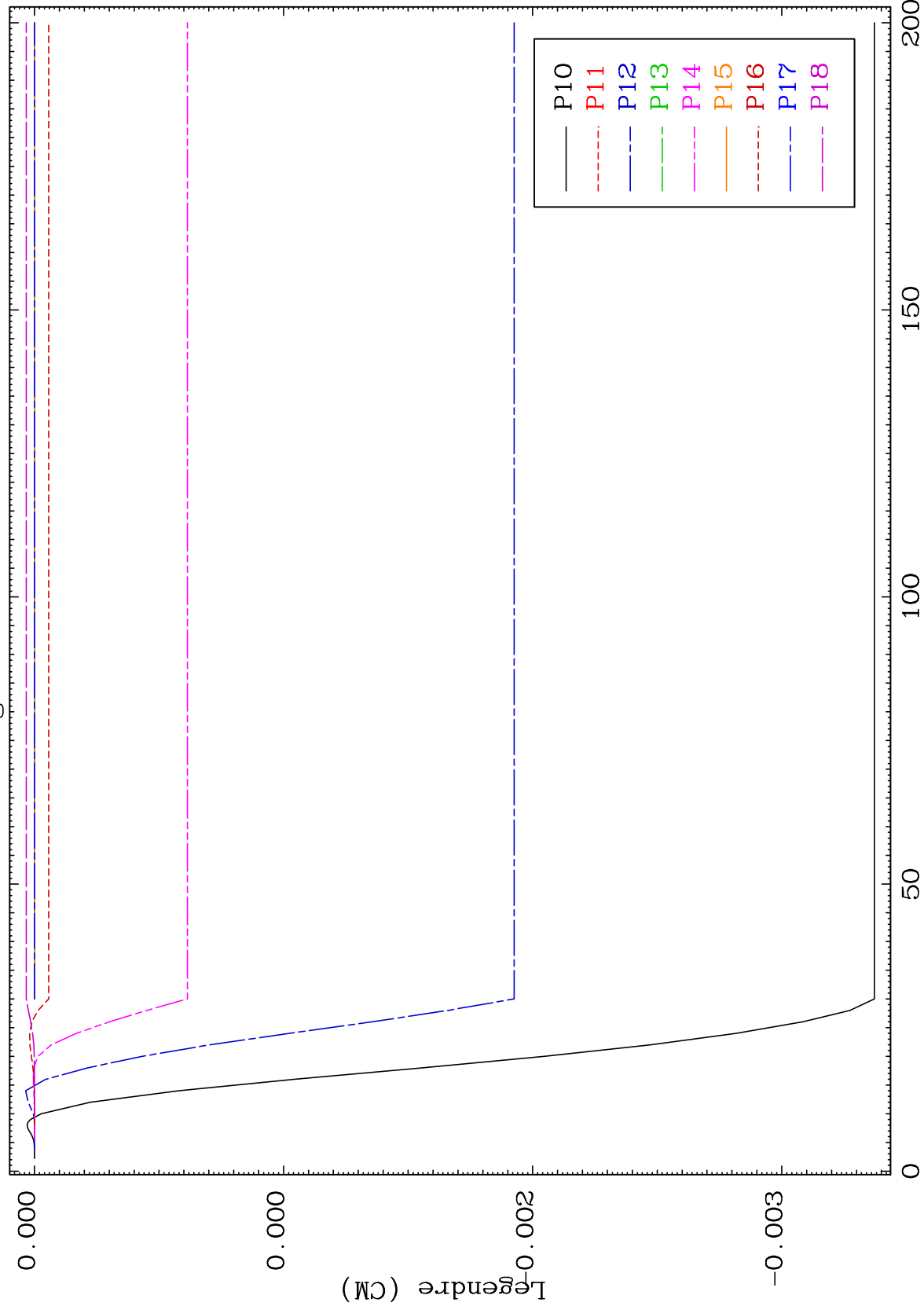
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

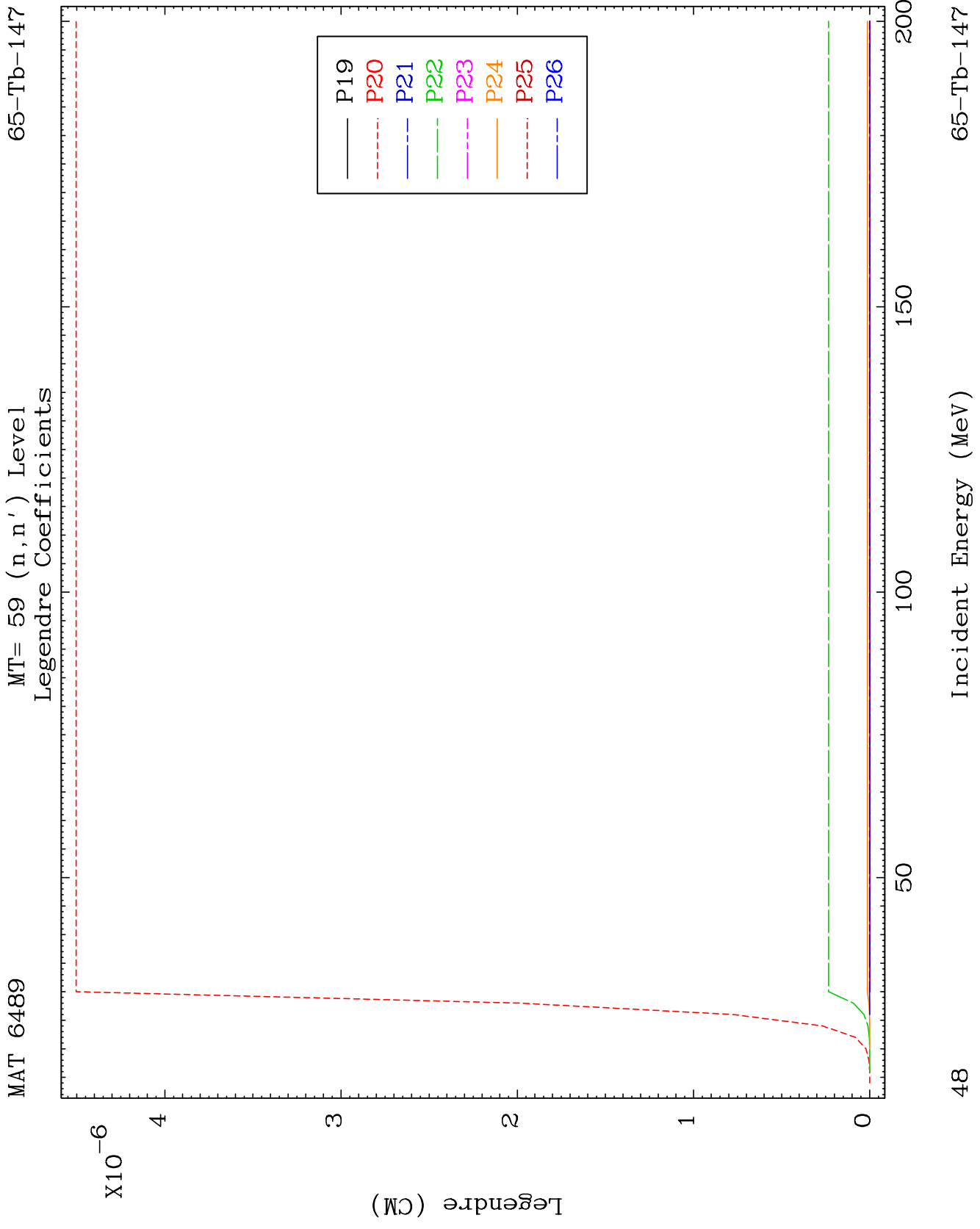
65-Tb-147



65-Tb-147

Incident Energy (MeV)

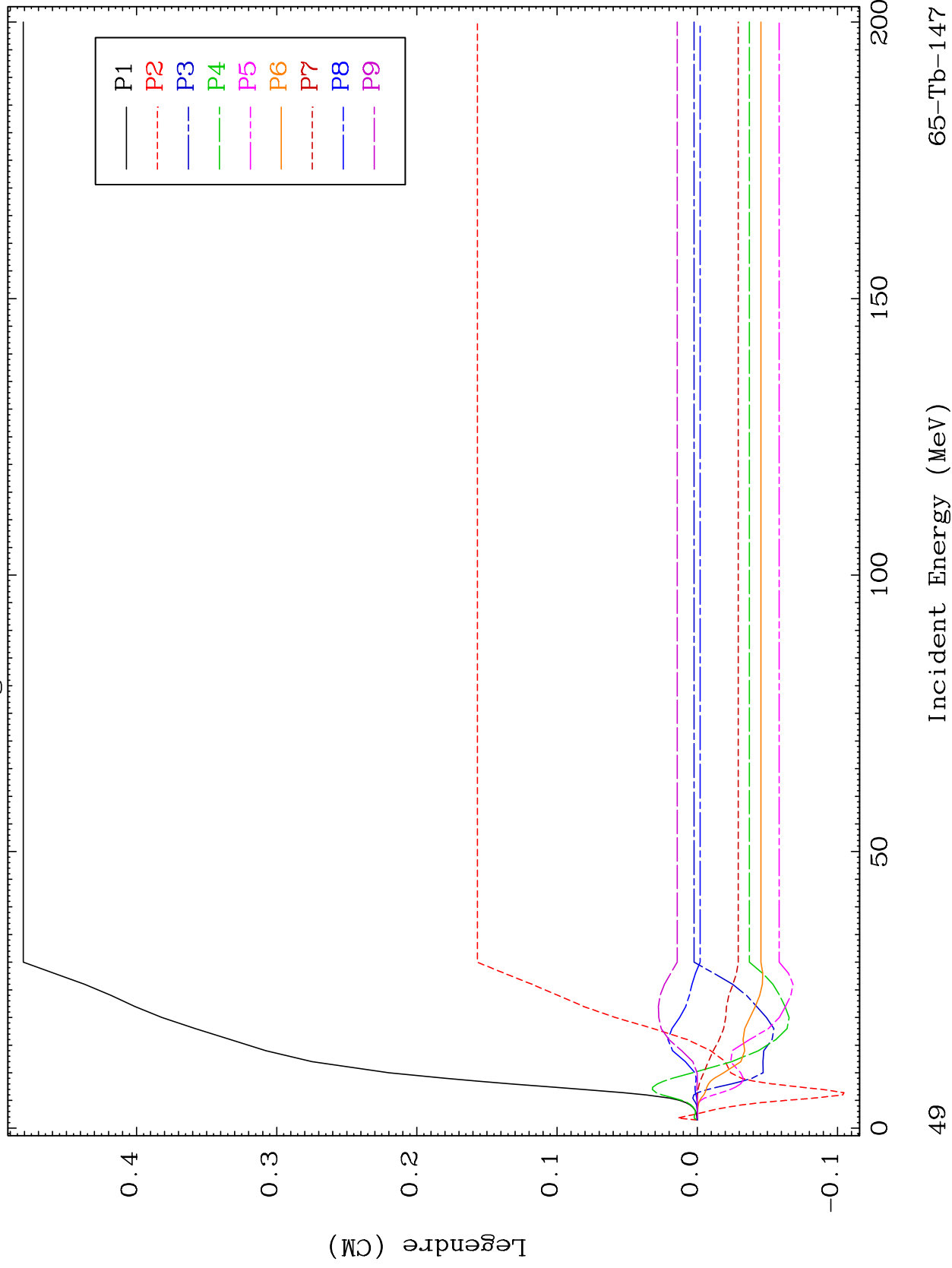
47



MAT 6489

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

65-Tb-147



65-Tb-147

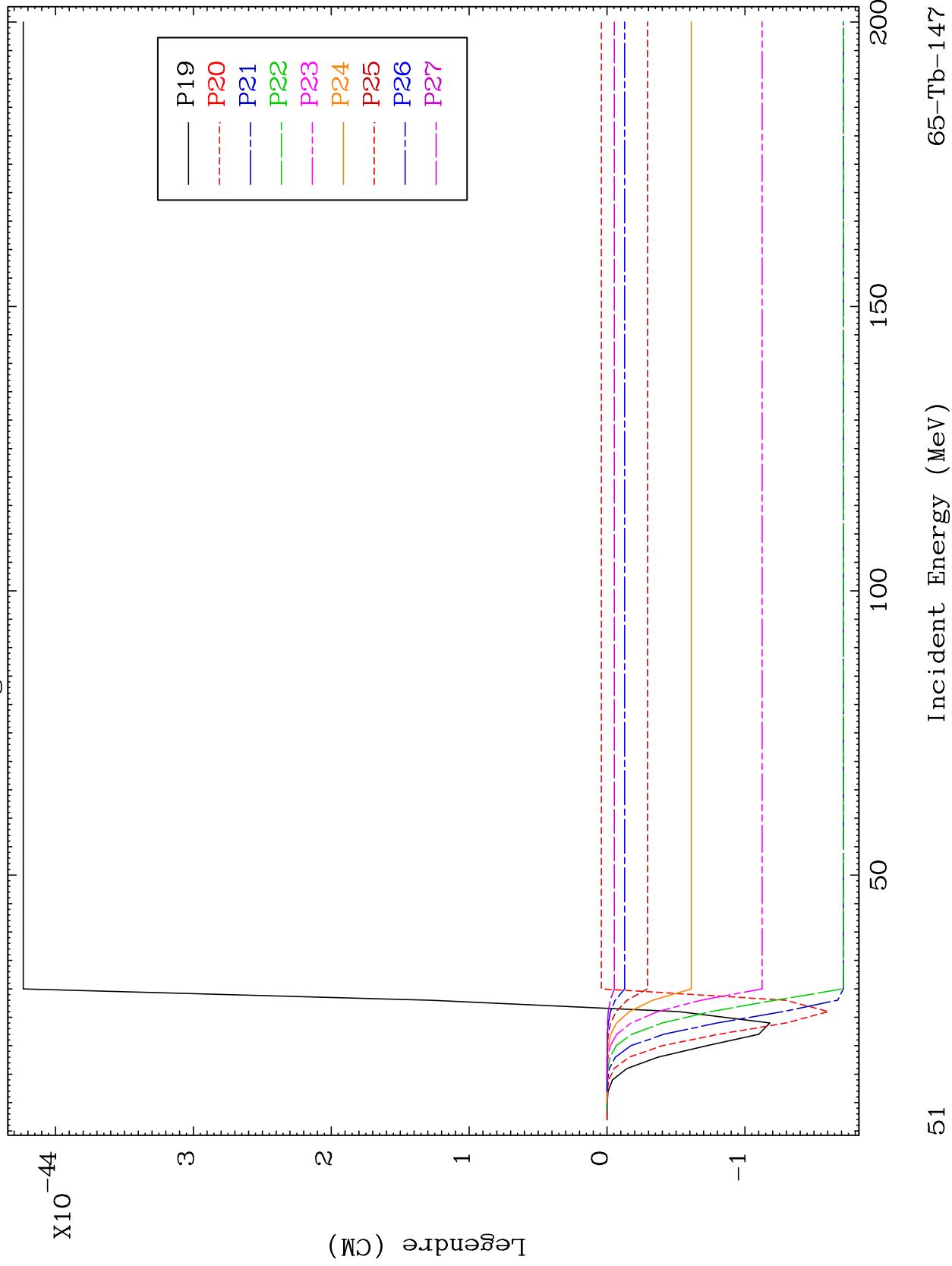
Incident Energy (MeV)

49

MAT 6489

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

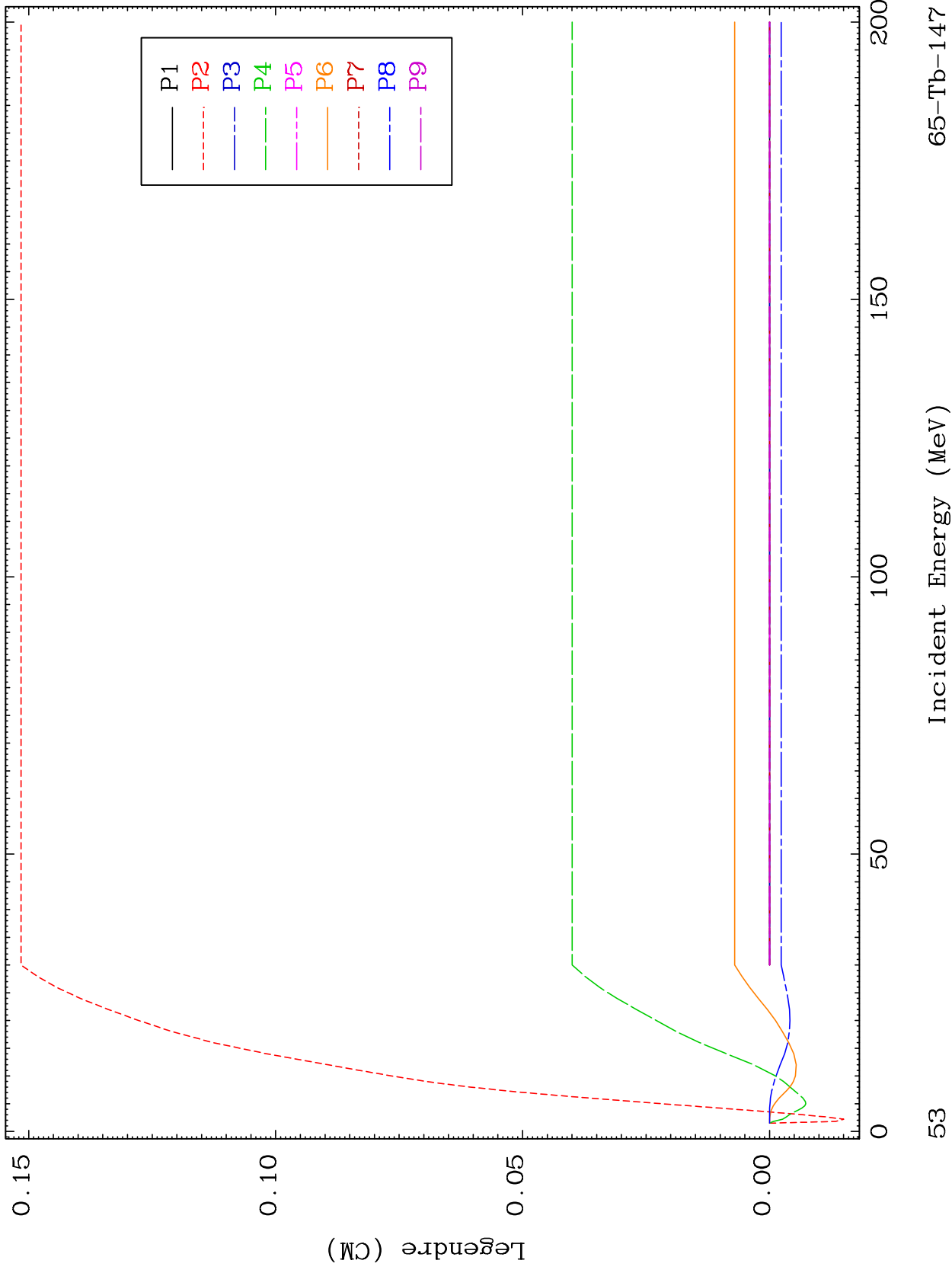
65-Tb-147



MAT 6489

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

65-Tb-147



65-Tb-147

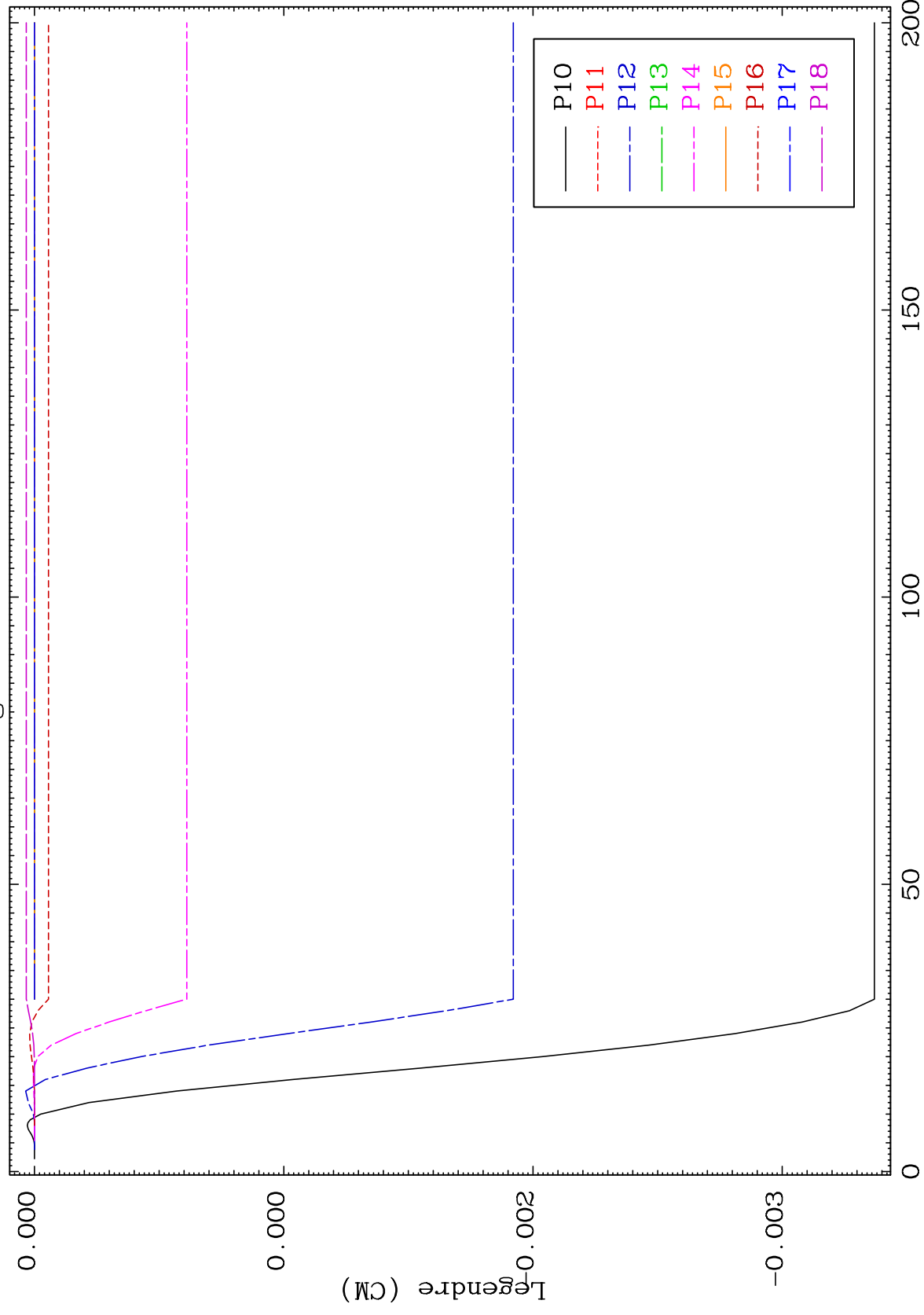
Incident Energy (MeV)

53

MAT 6489

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

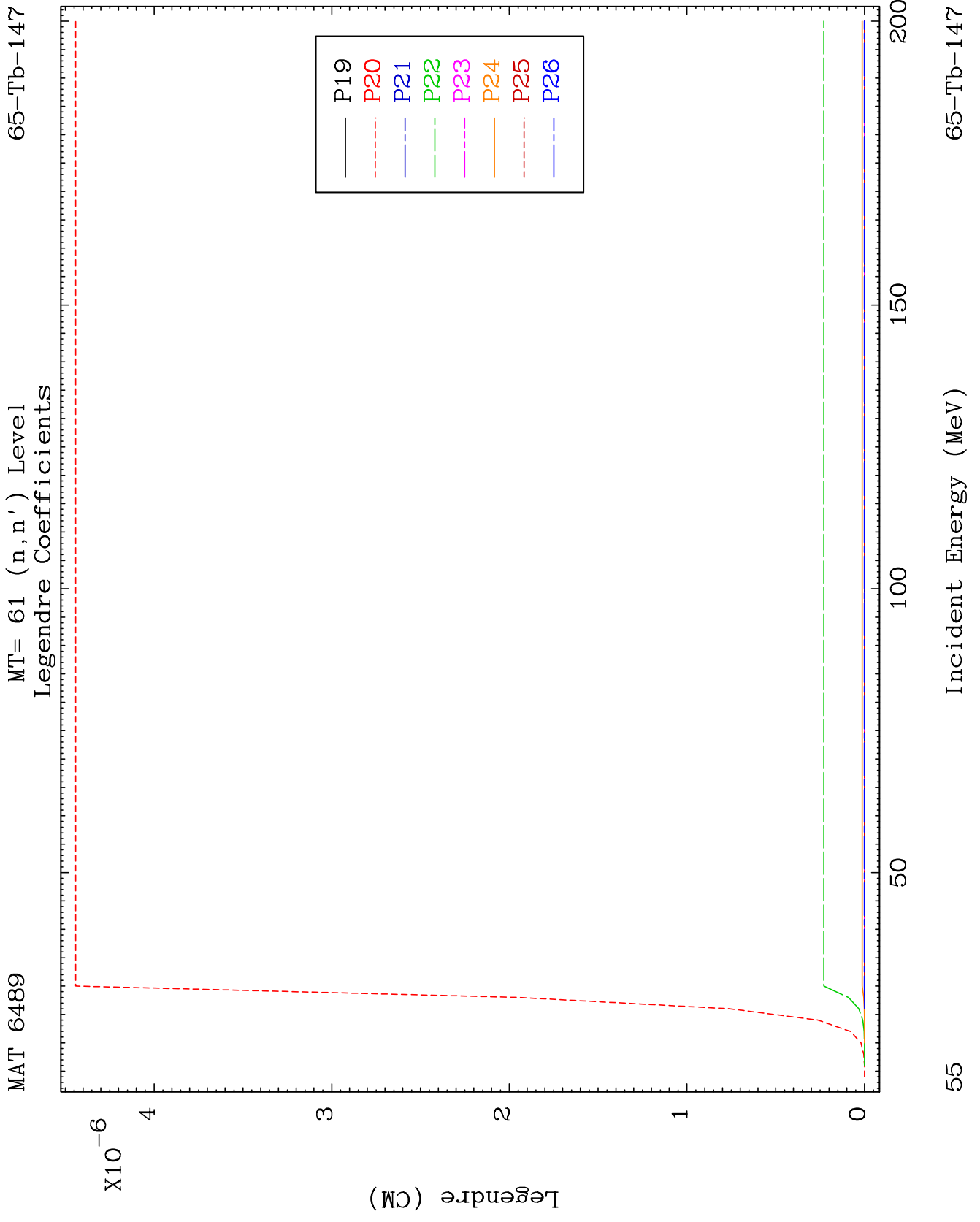
65-Tb-147



54

Incident Energy (MeV)

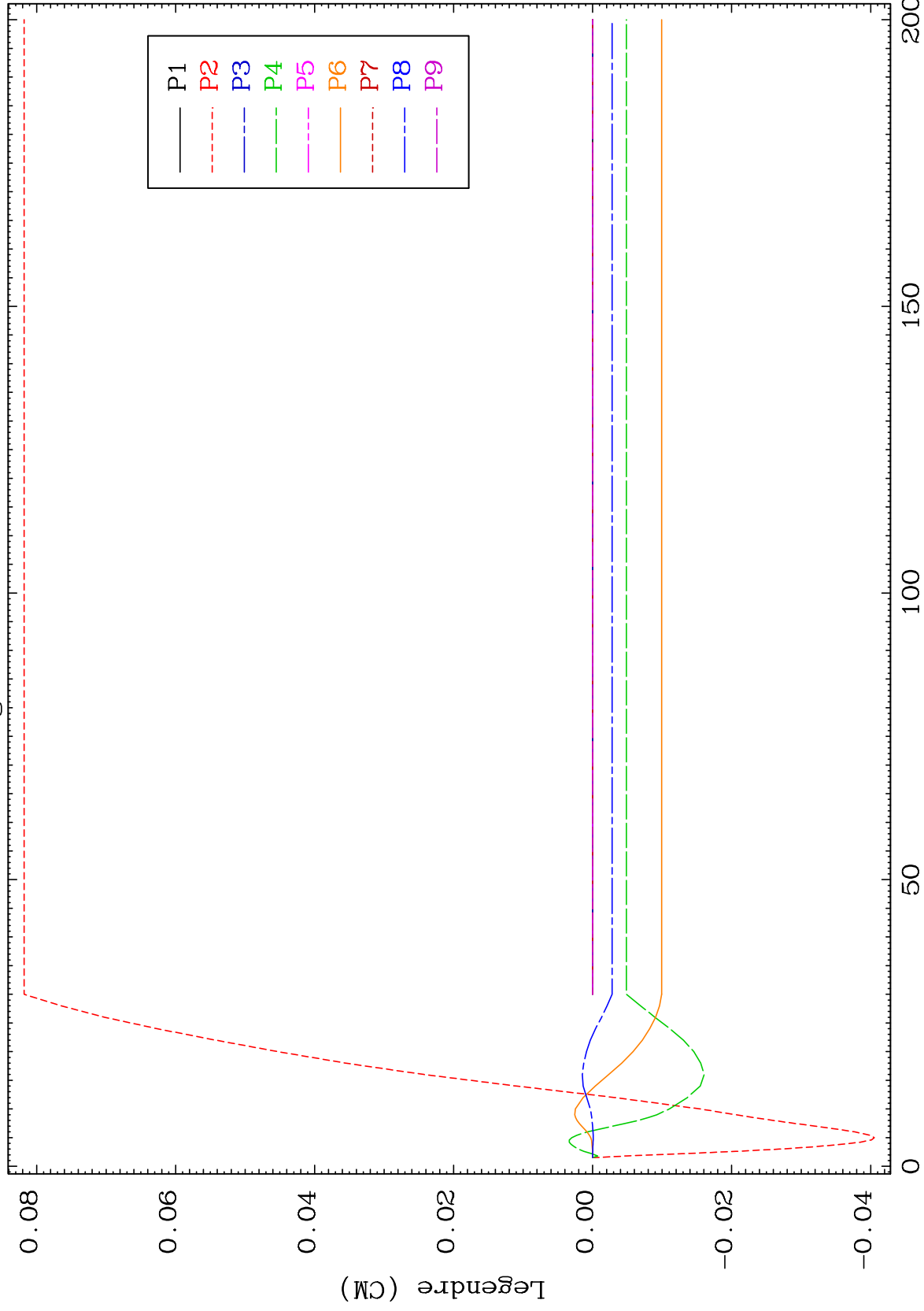
65-Tb-147



MAT 6489

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

65-Tb-147



65-Tb-147

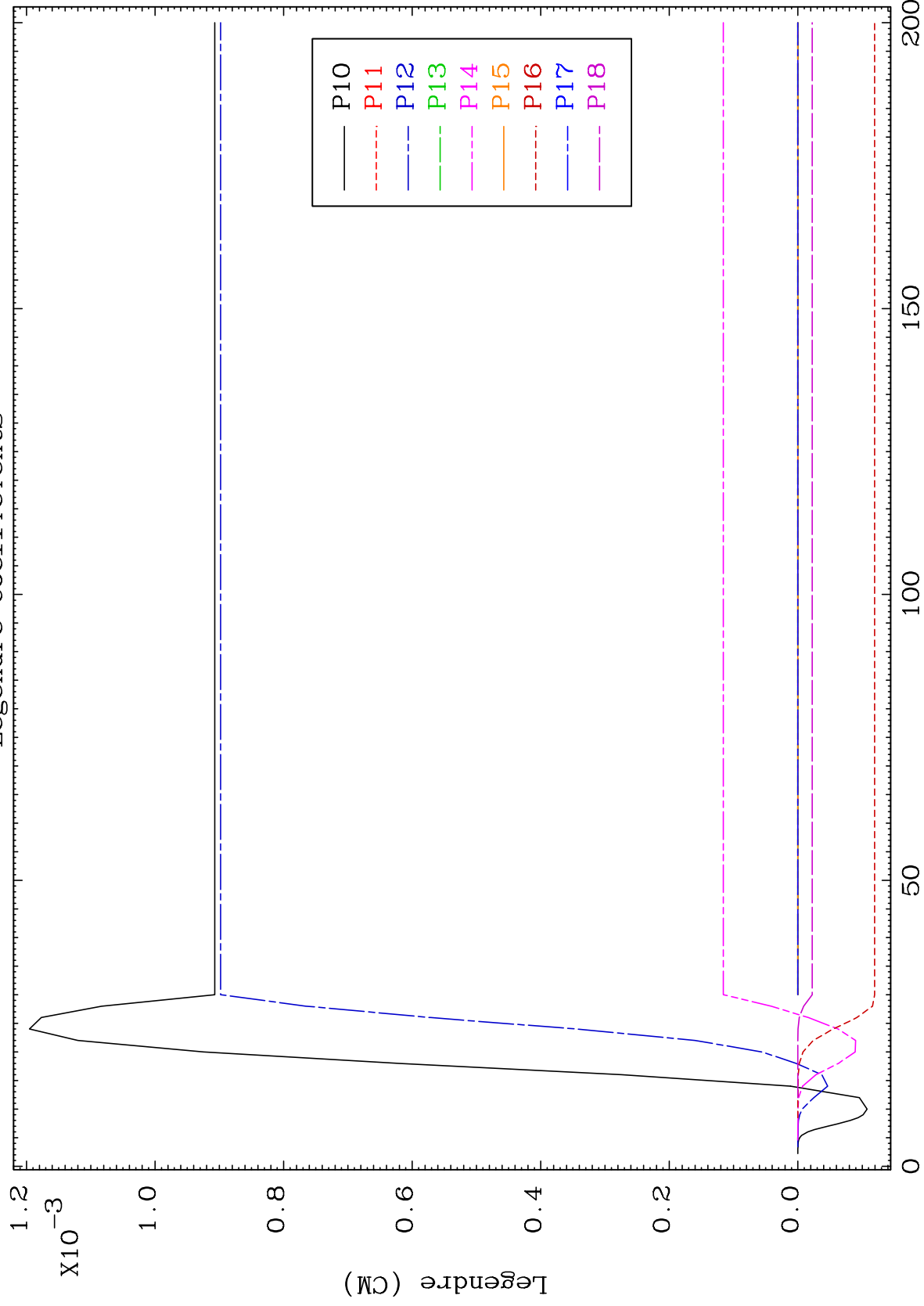
Incident Energy (MeV)

56

MAT 6489

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

65-Tb-147



57

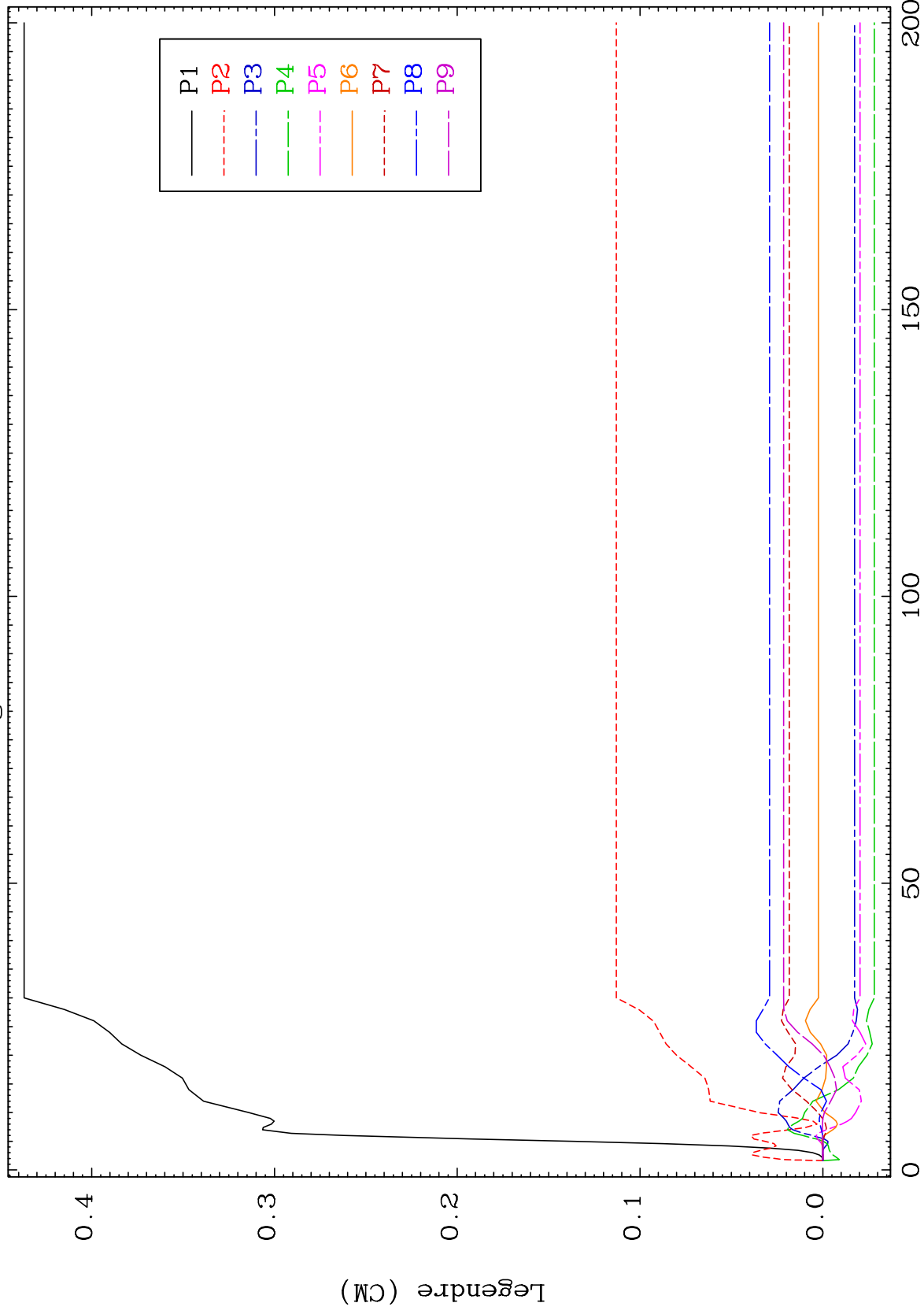
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



59

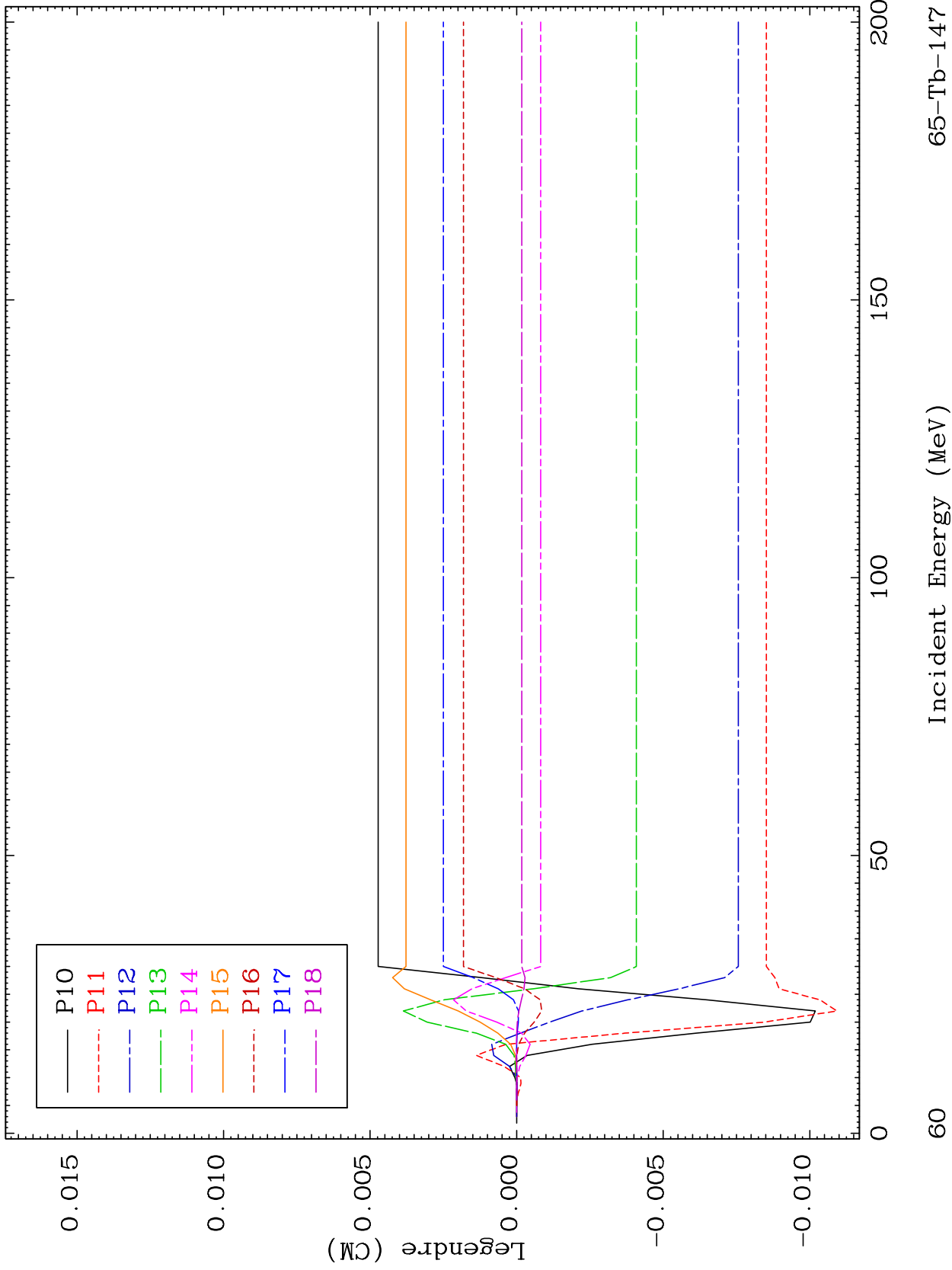
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



65-Tb-147

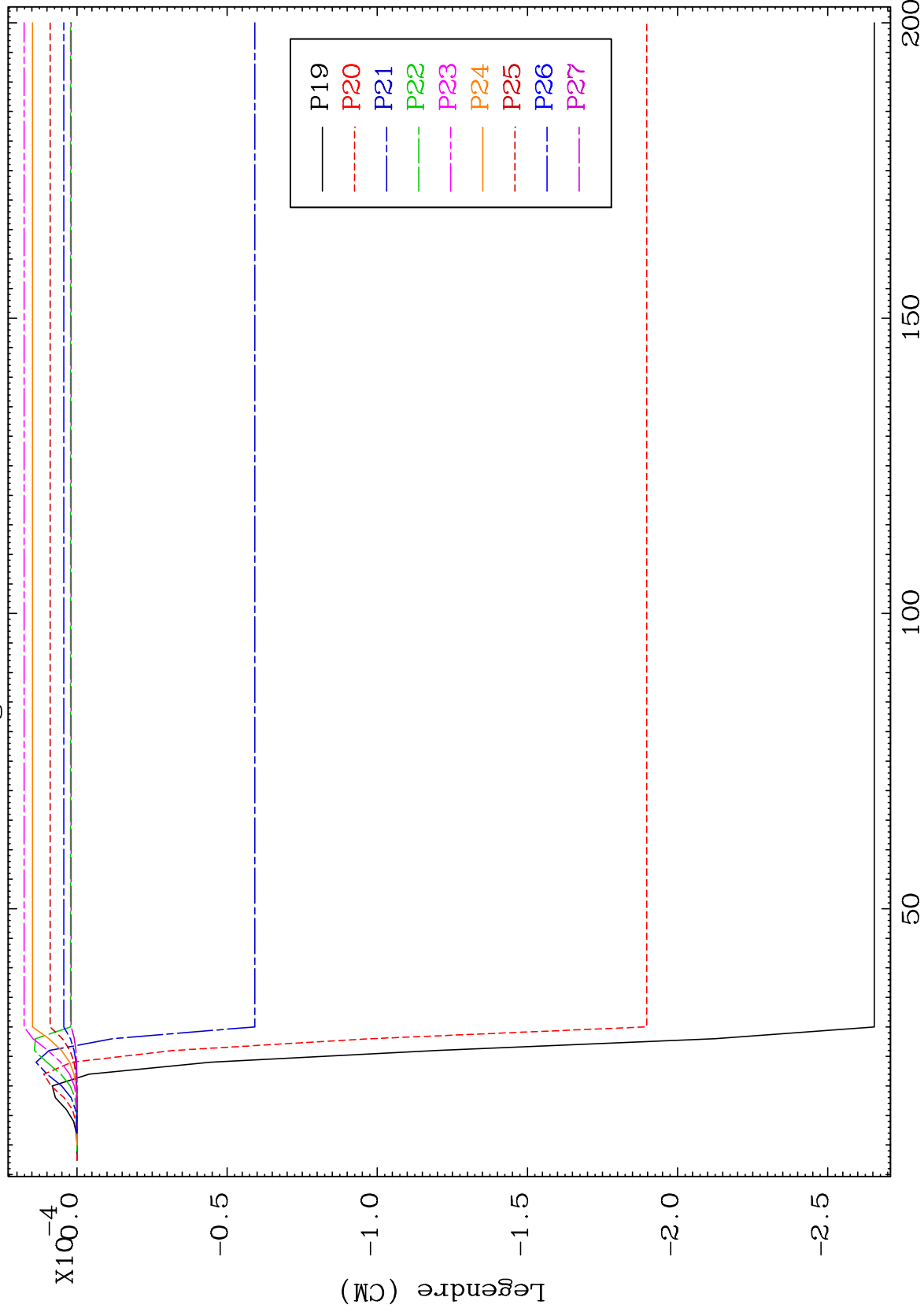
Incident Energy (MeV)

60

MAT 6489

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

65-Tb-147



61

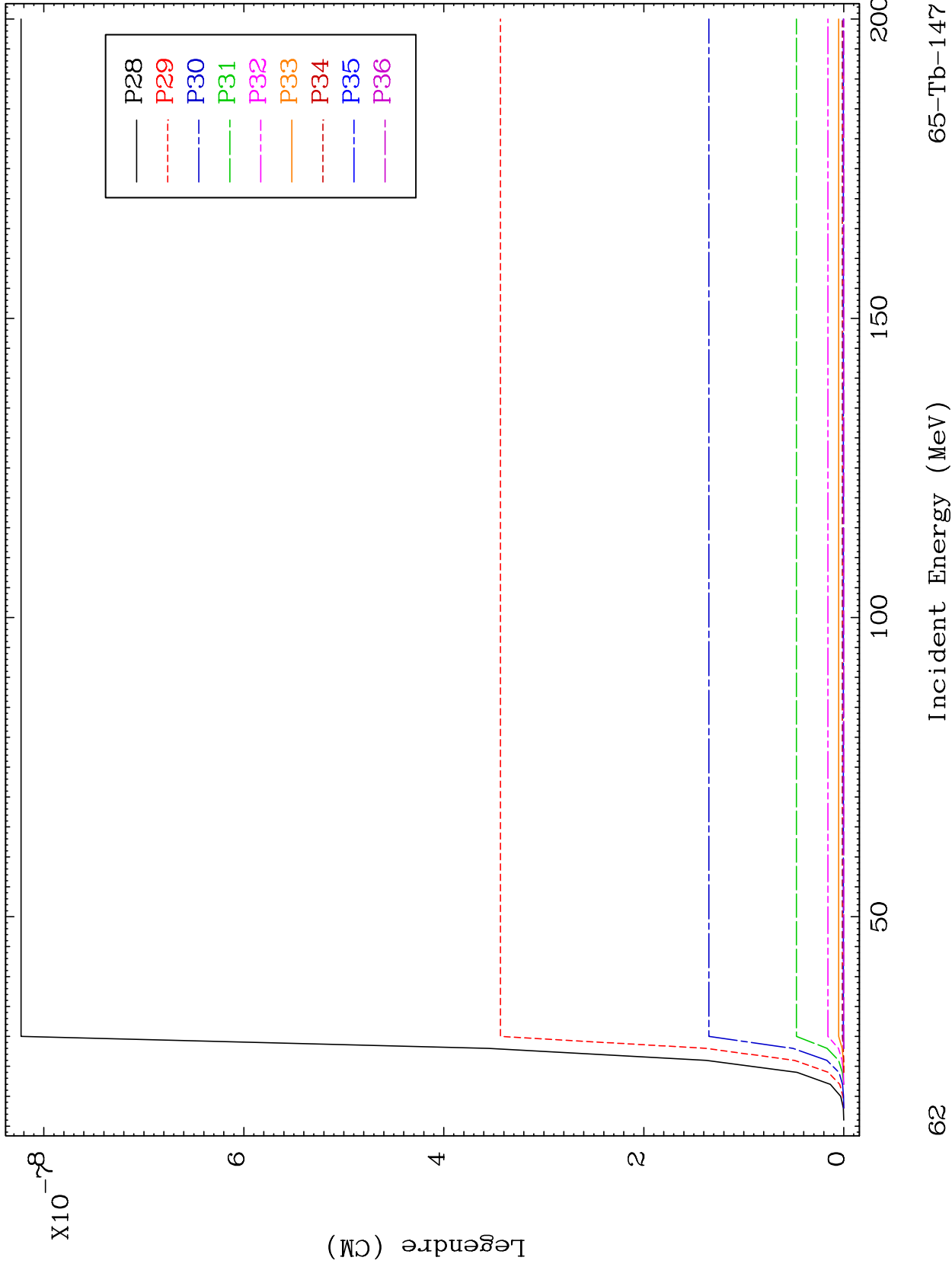
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



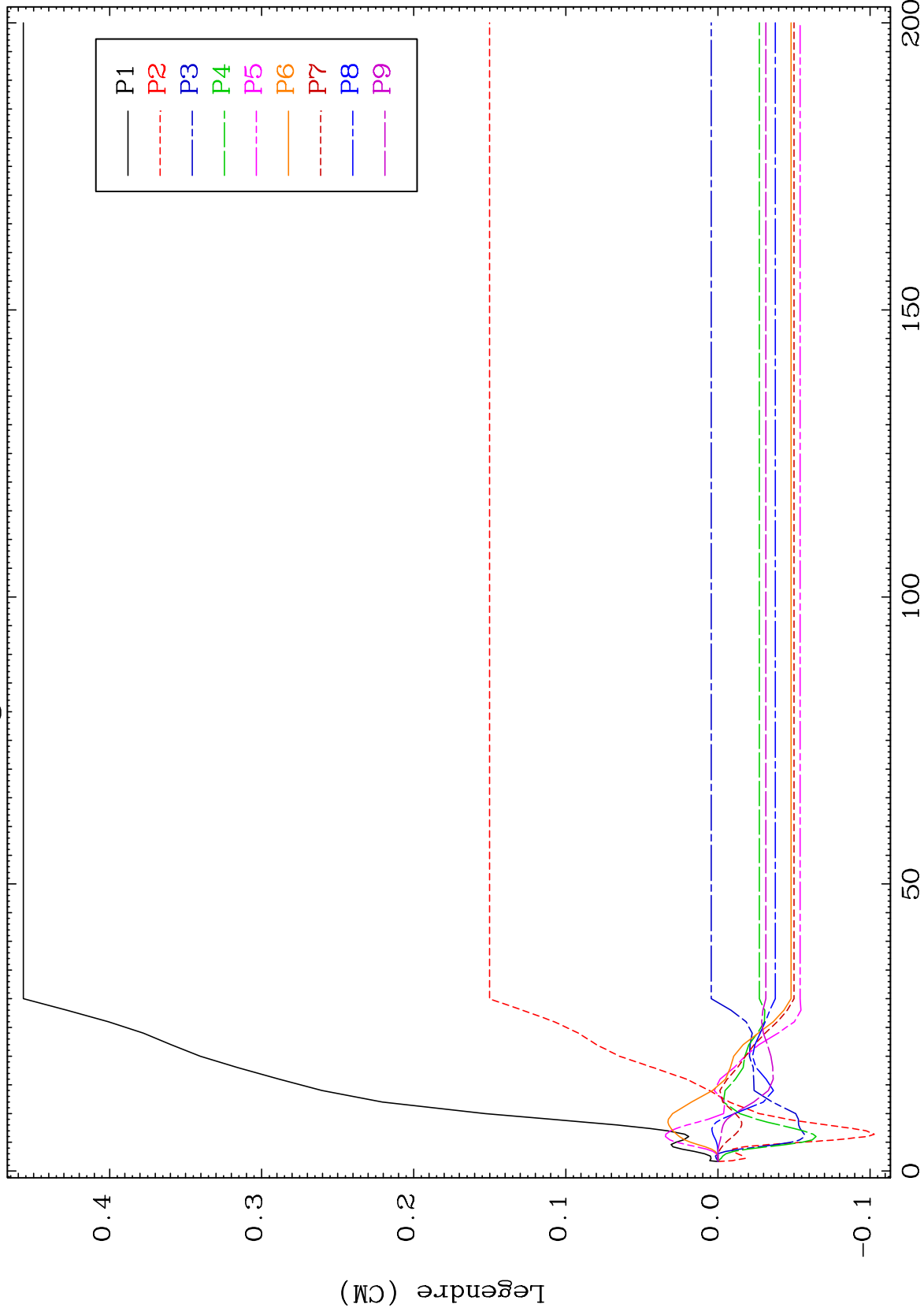
62

65-Tb-147

MAT 6489

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

65-Tb-147



65-Tb-147

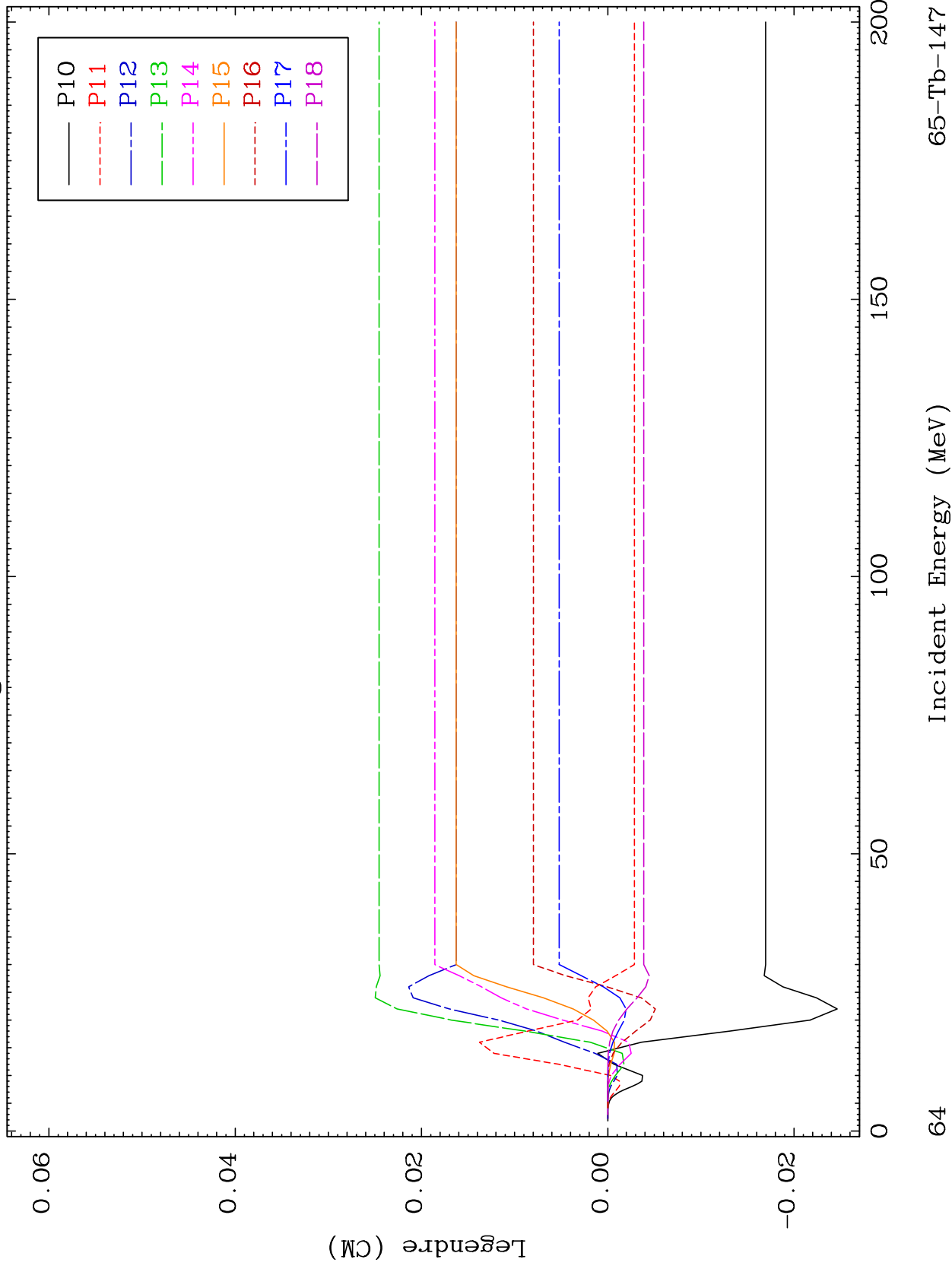
Incident Energy (MeV)

63

MAT 6489

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

65-Tb-147



65-Tb-147

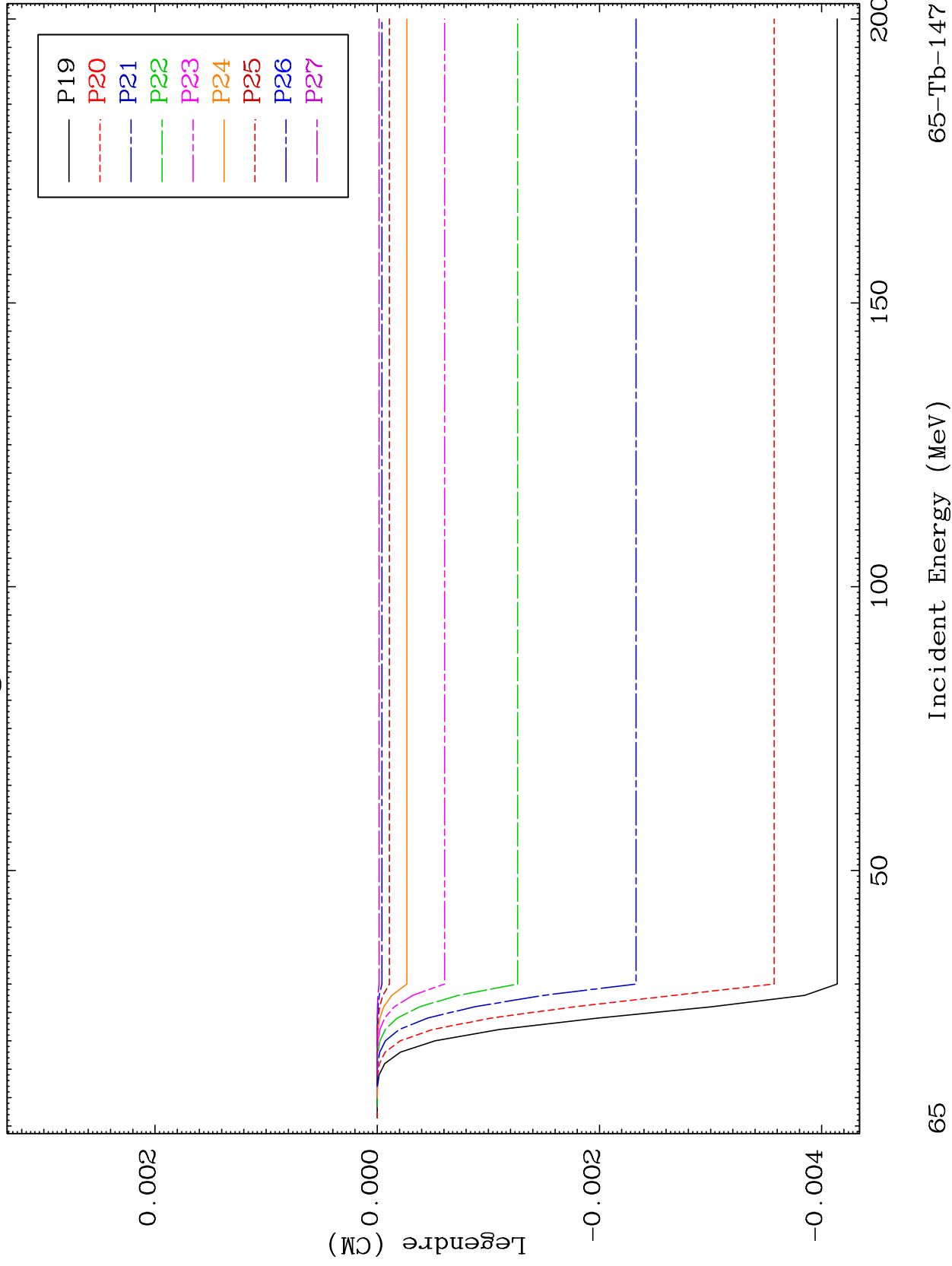
Incident Energy (MeV)

64

MAT 6489

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

65-Tb-147



65

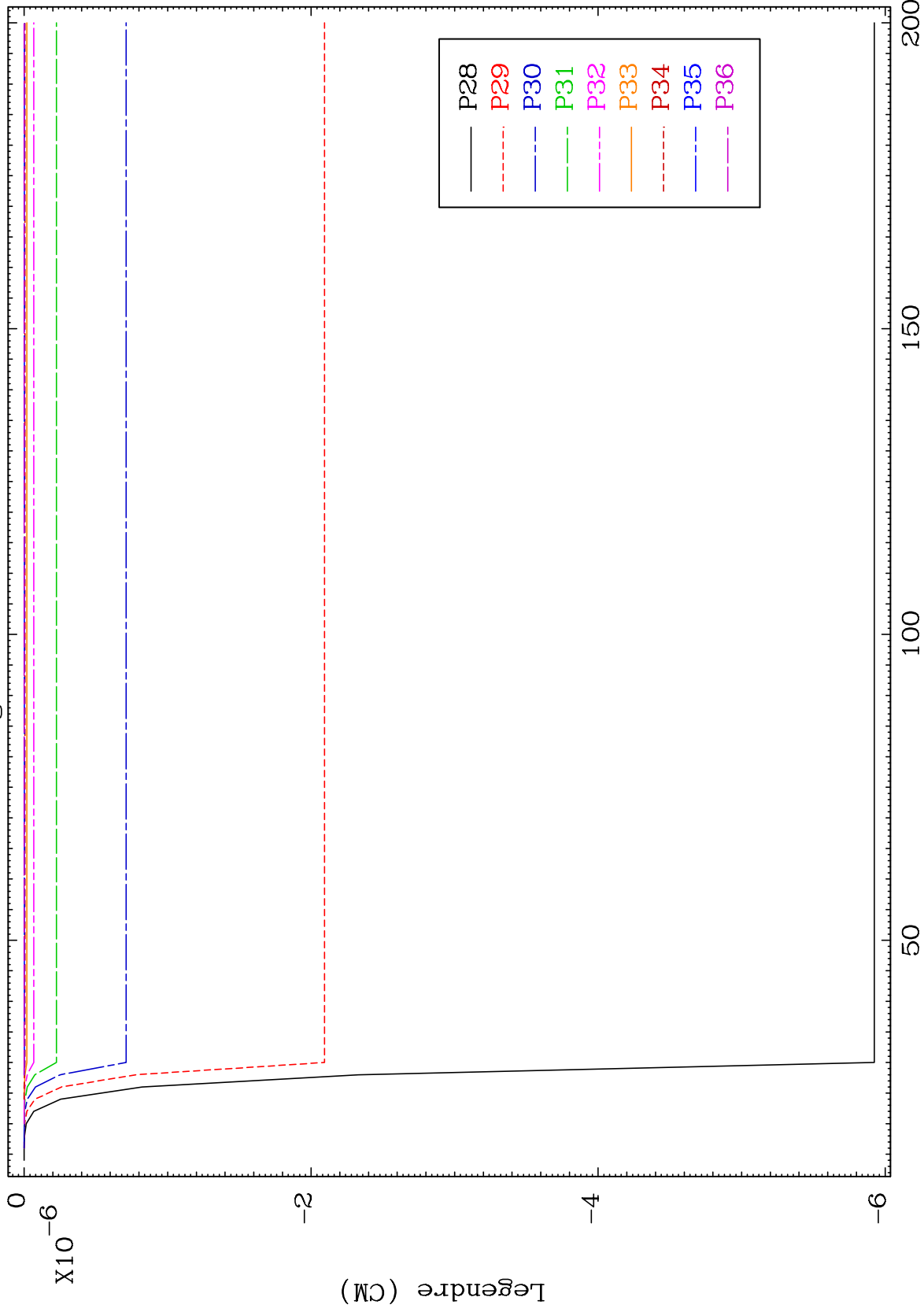
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



66

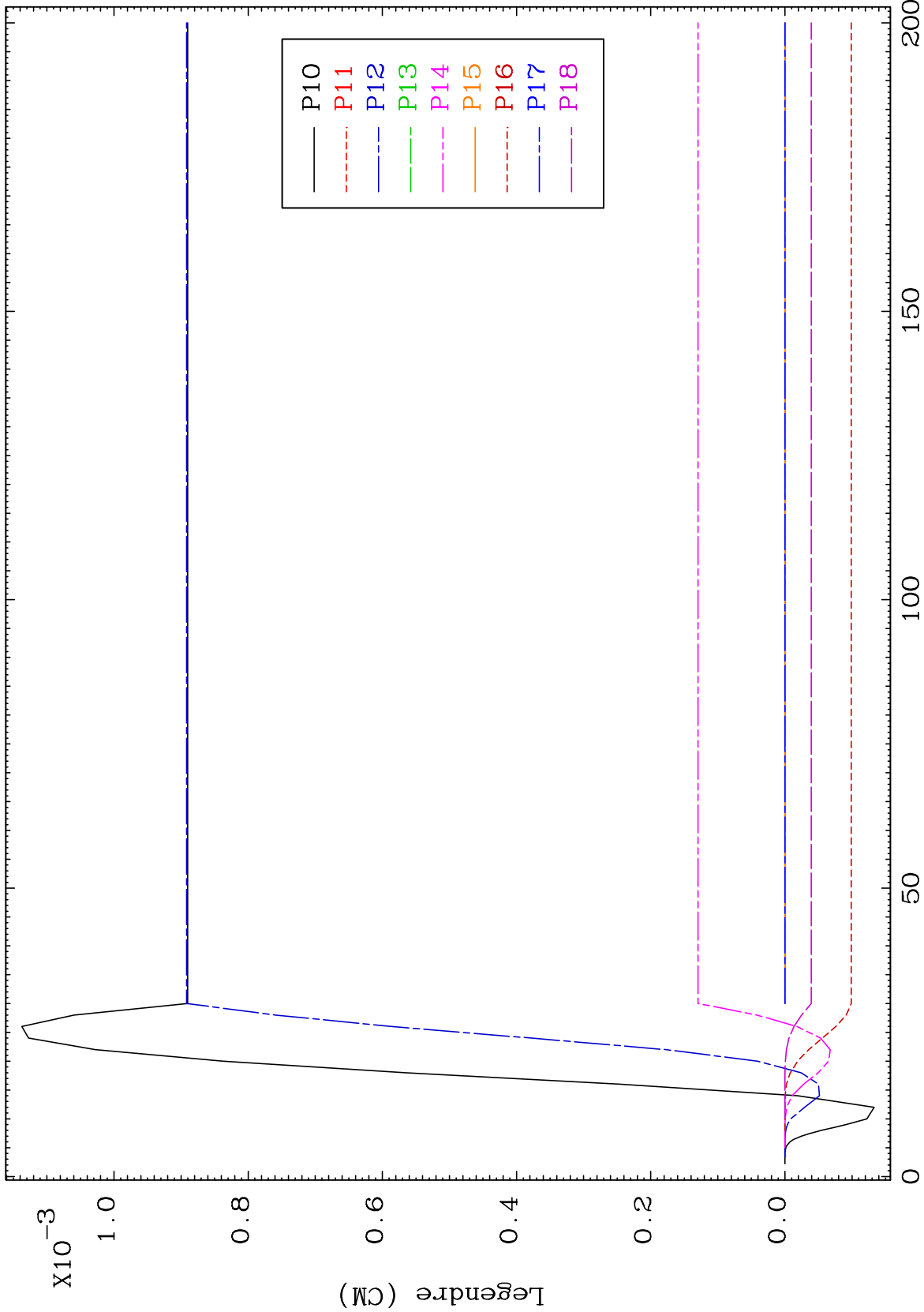
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

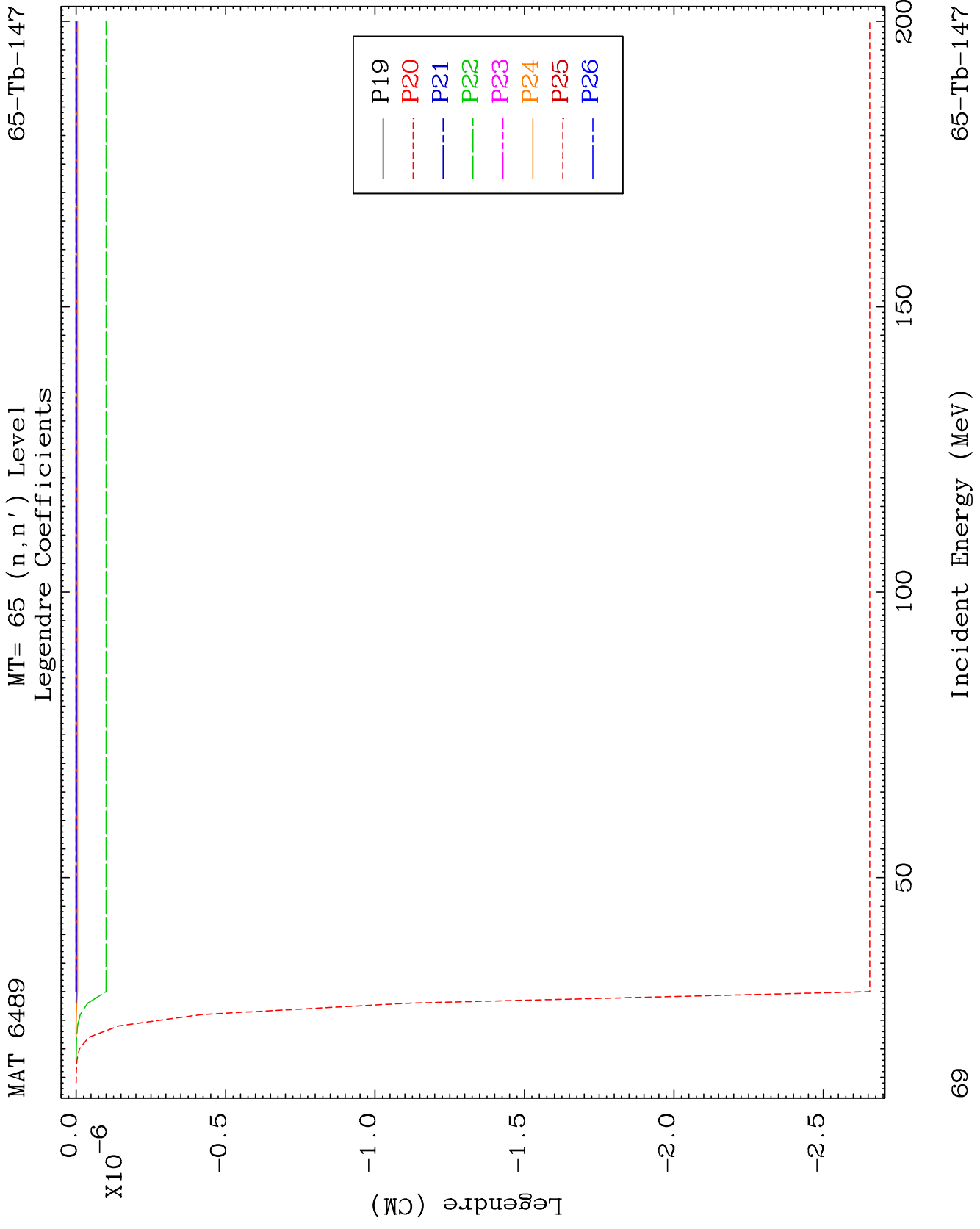
65-Tb-147



68

Incident Energy (MeV)

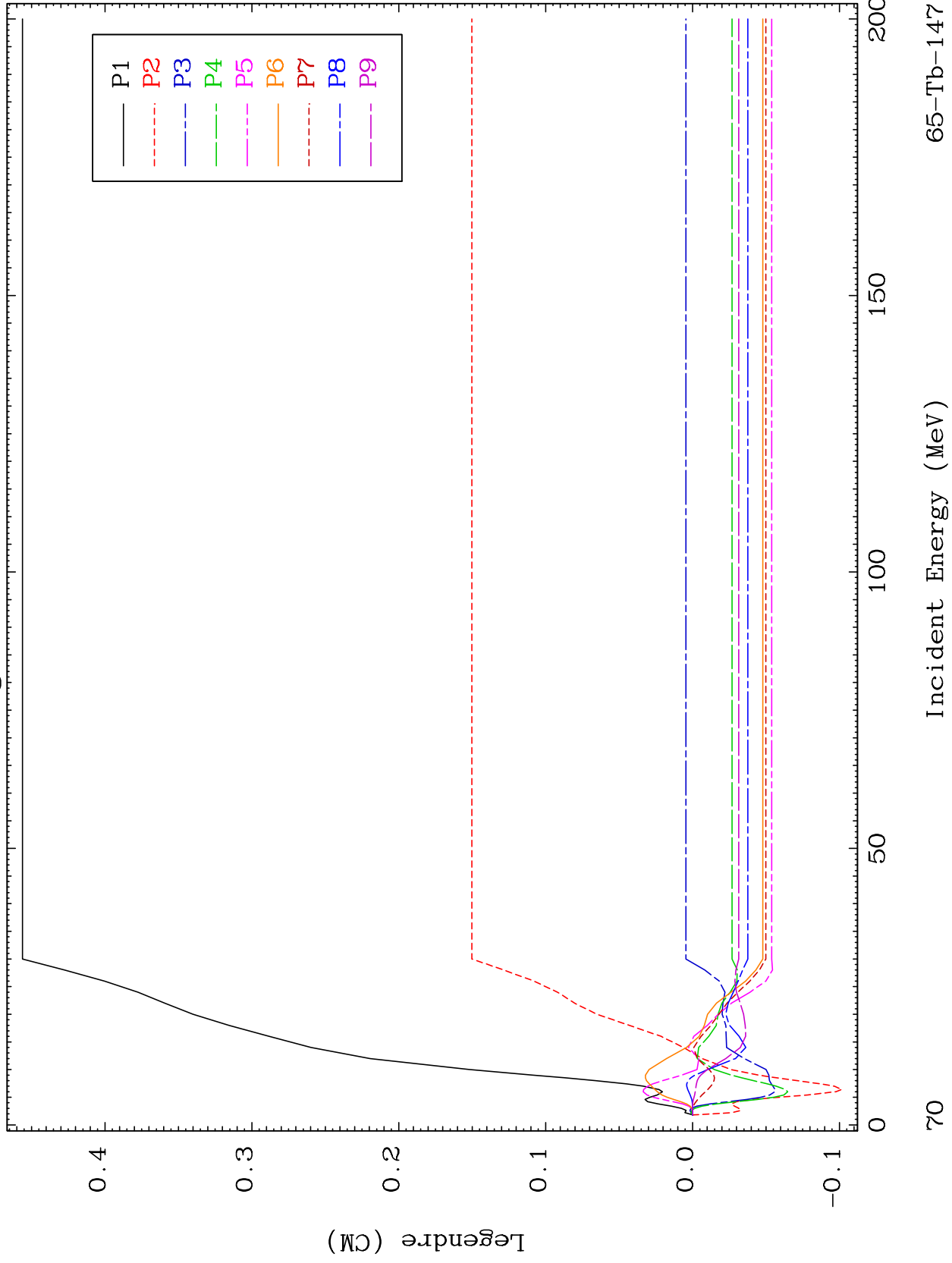
65-Tb-147



MAT 6489

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

65-Tb-147



65-Tb-147

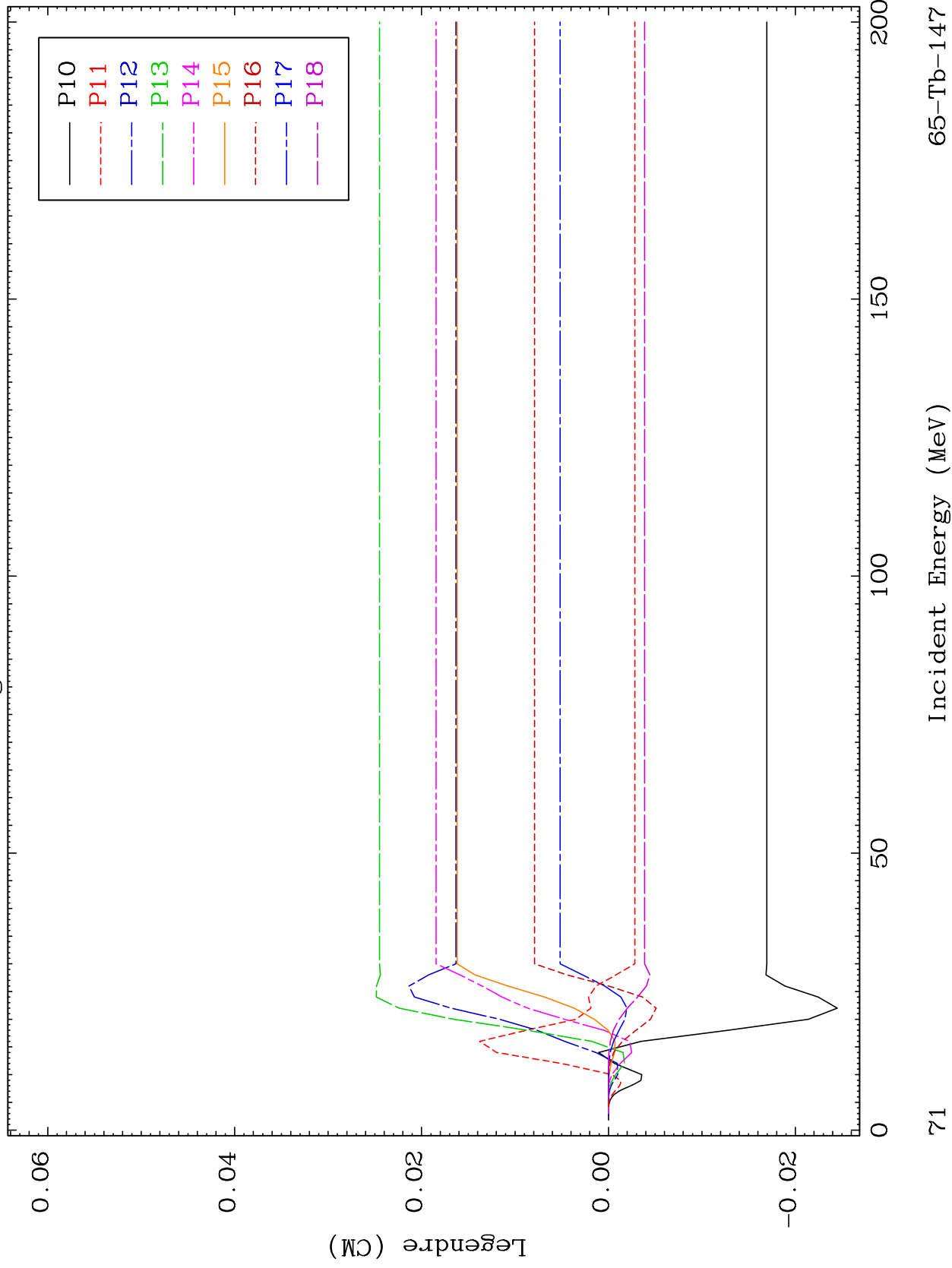
Incident Energy (MeV)

70

MAT 6489

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

65-Tb-147

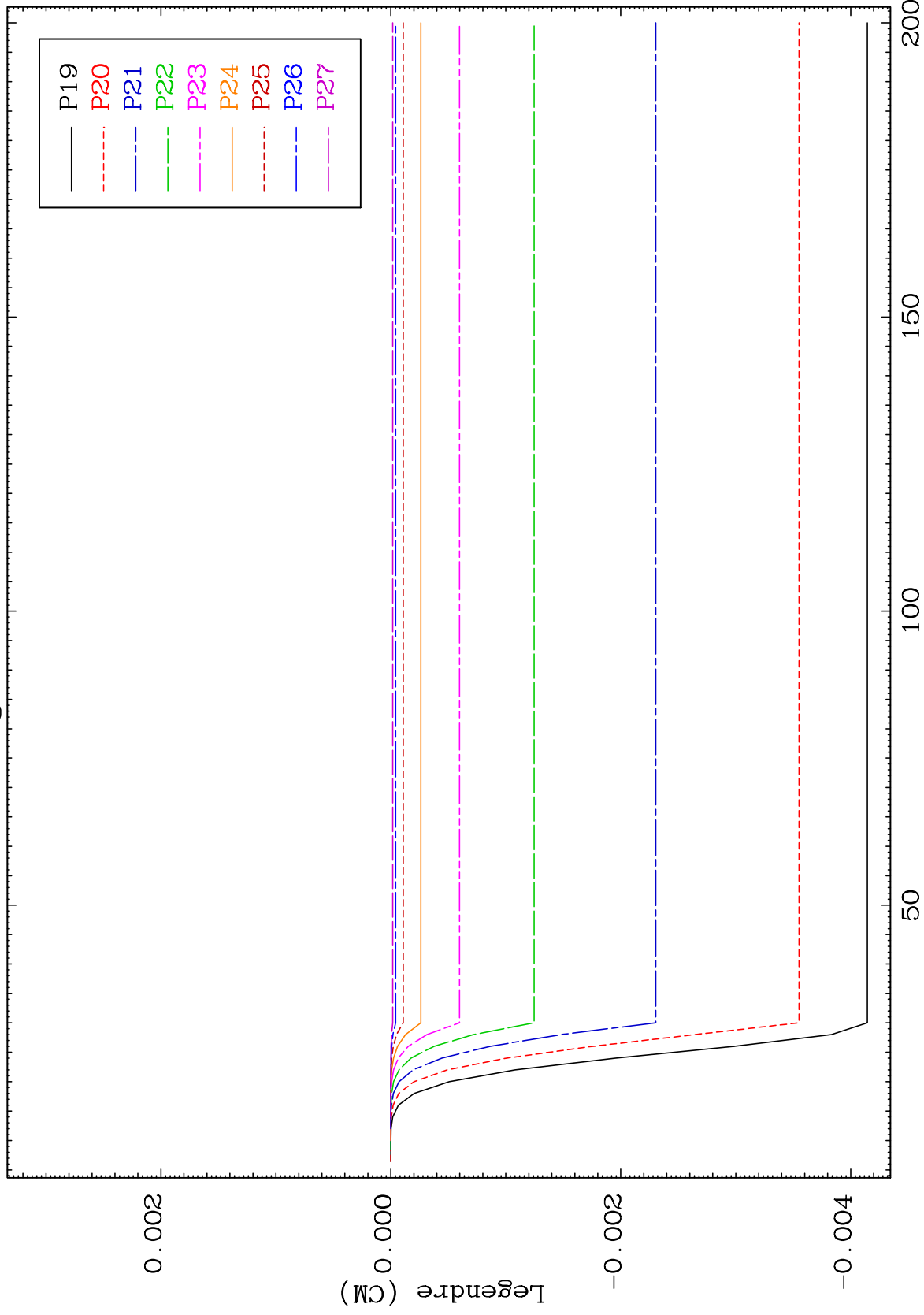


65-Tb-147

MAT 6489

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

65-Tb-147



72

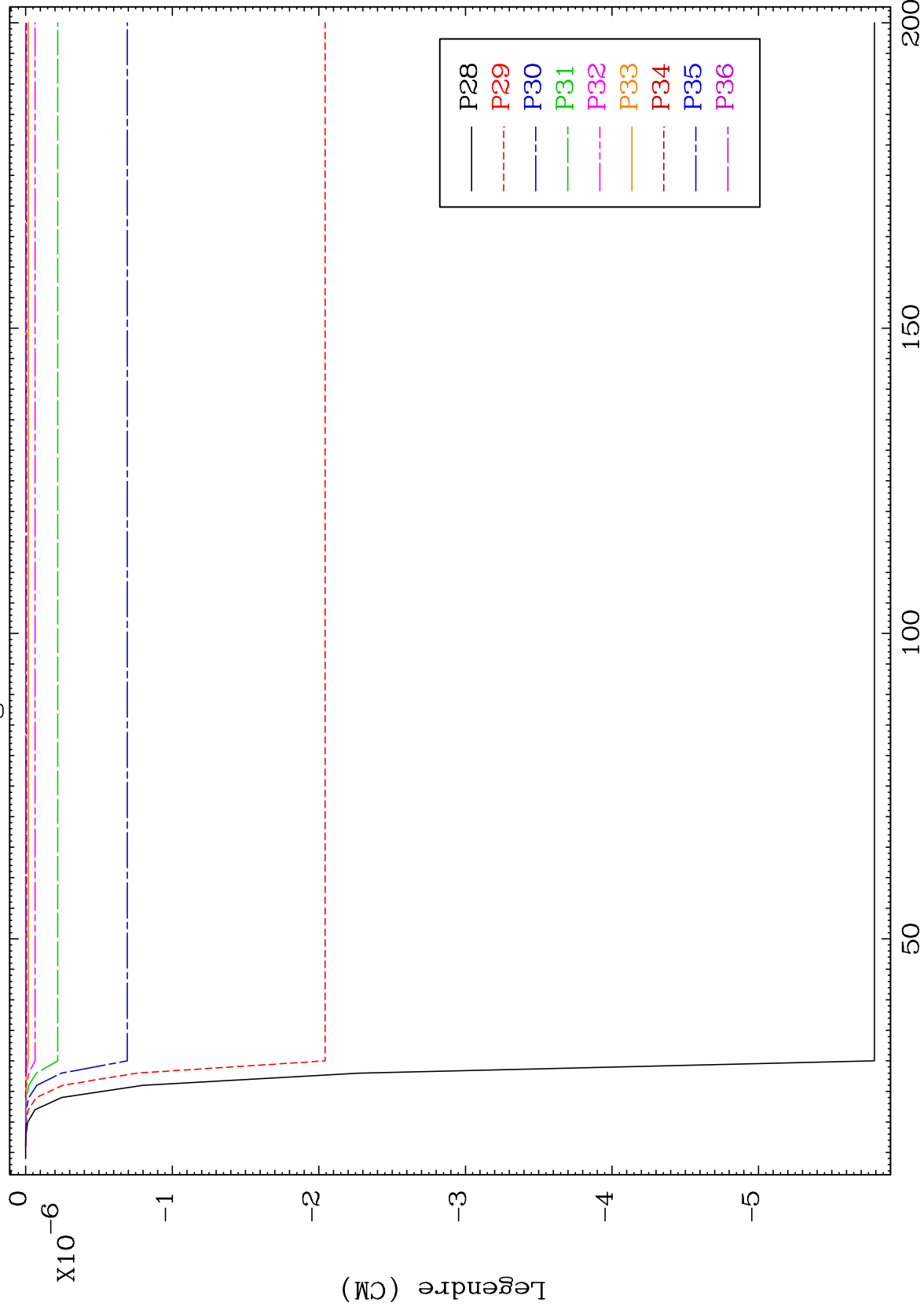
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

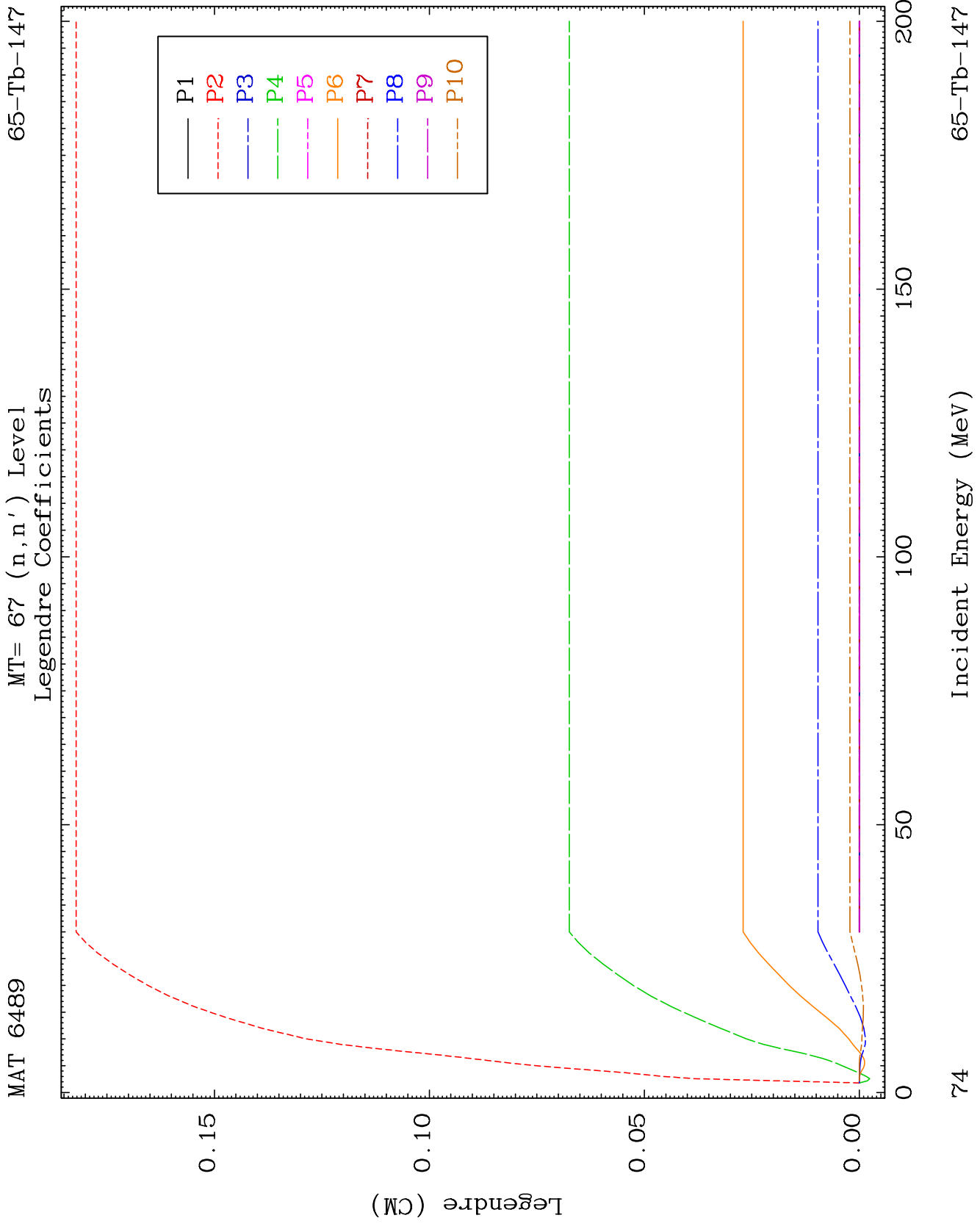
65-Tb-147



73

Incident Energy (MeV)

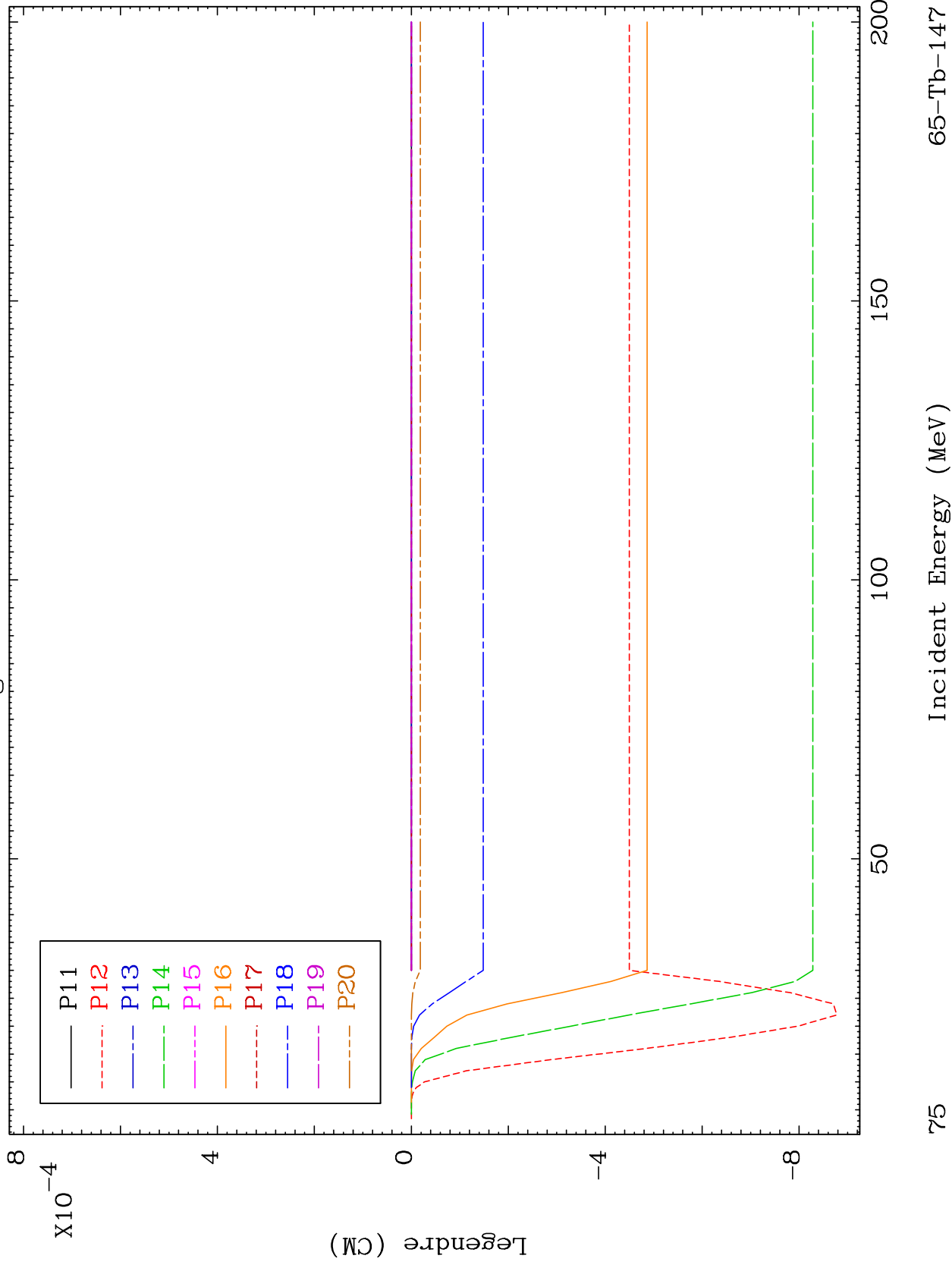
65-Tb-147



MAT 6489

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

65-Tb-147



75

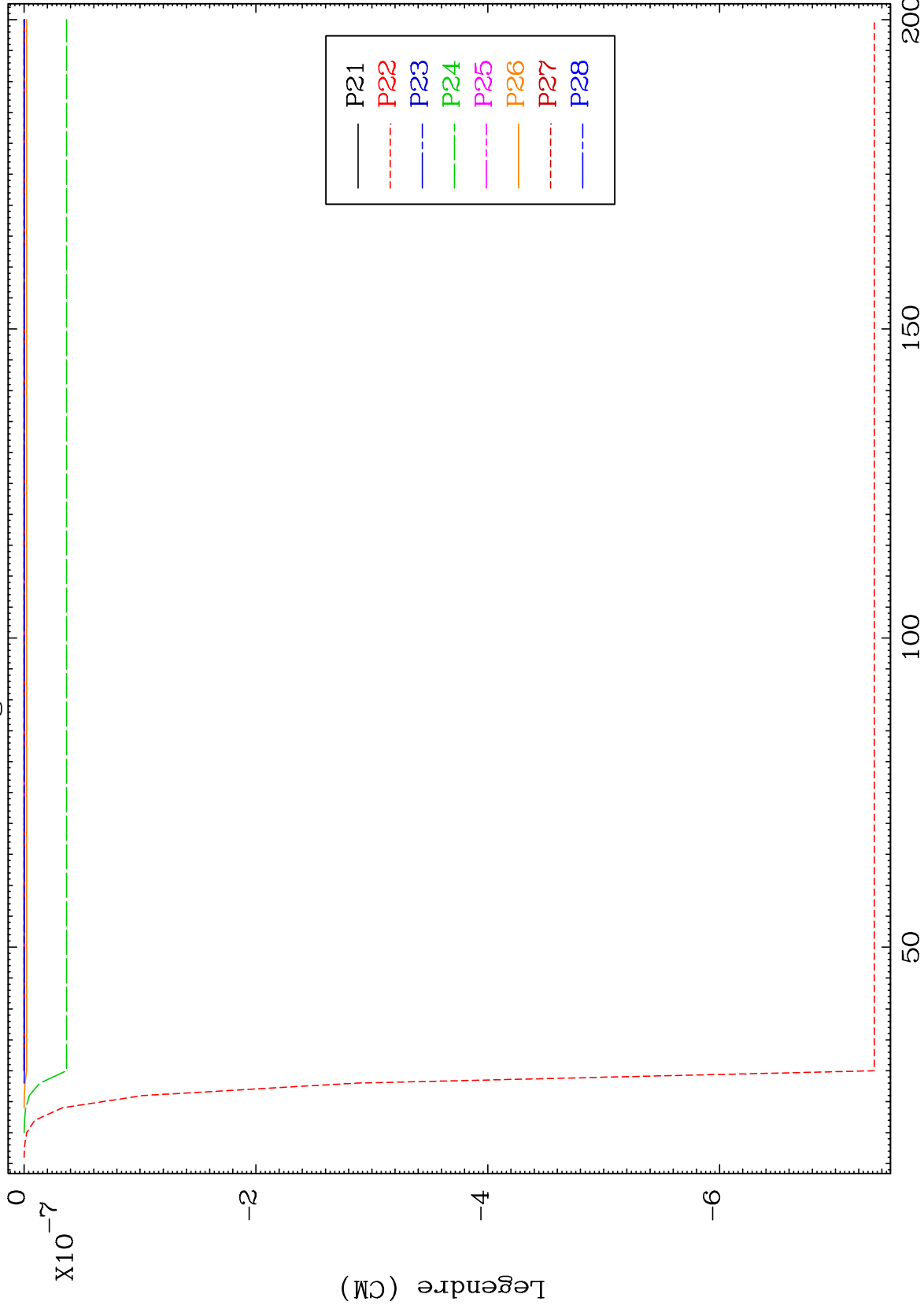
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



76

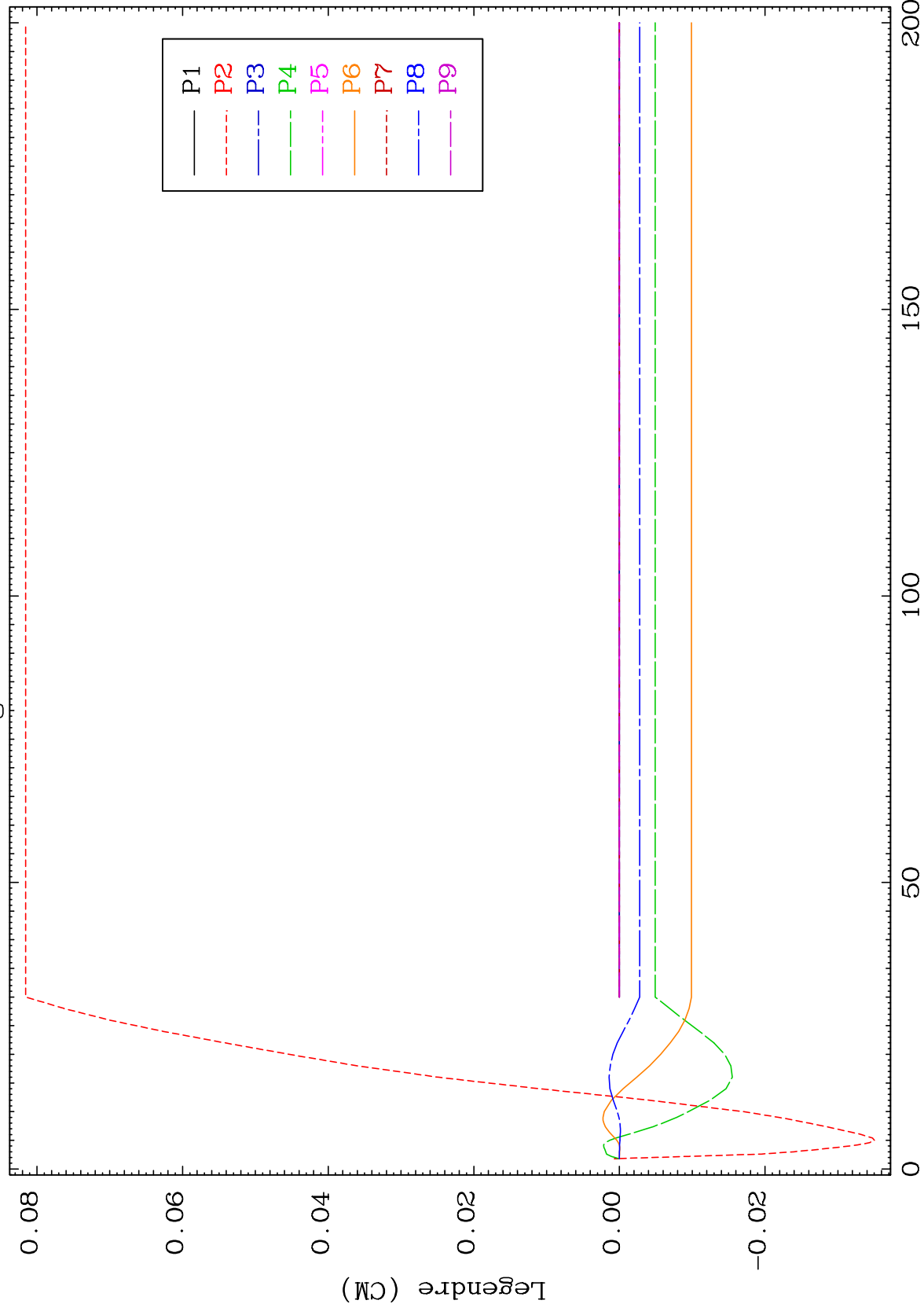
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



77

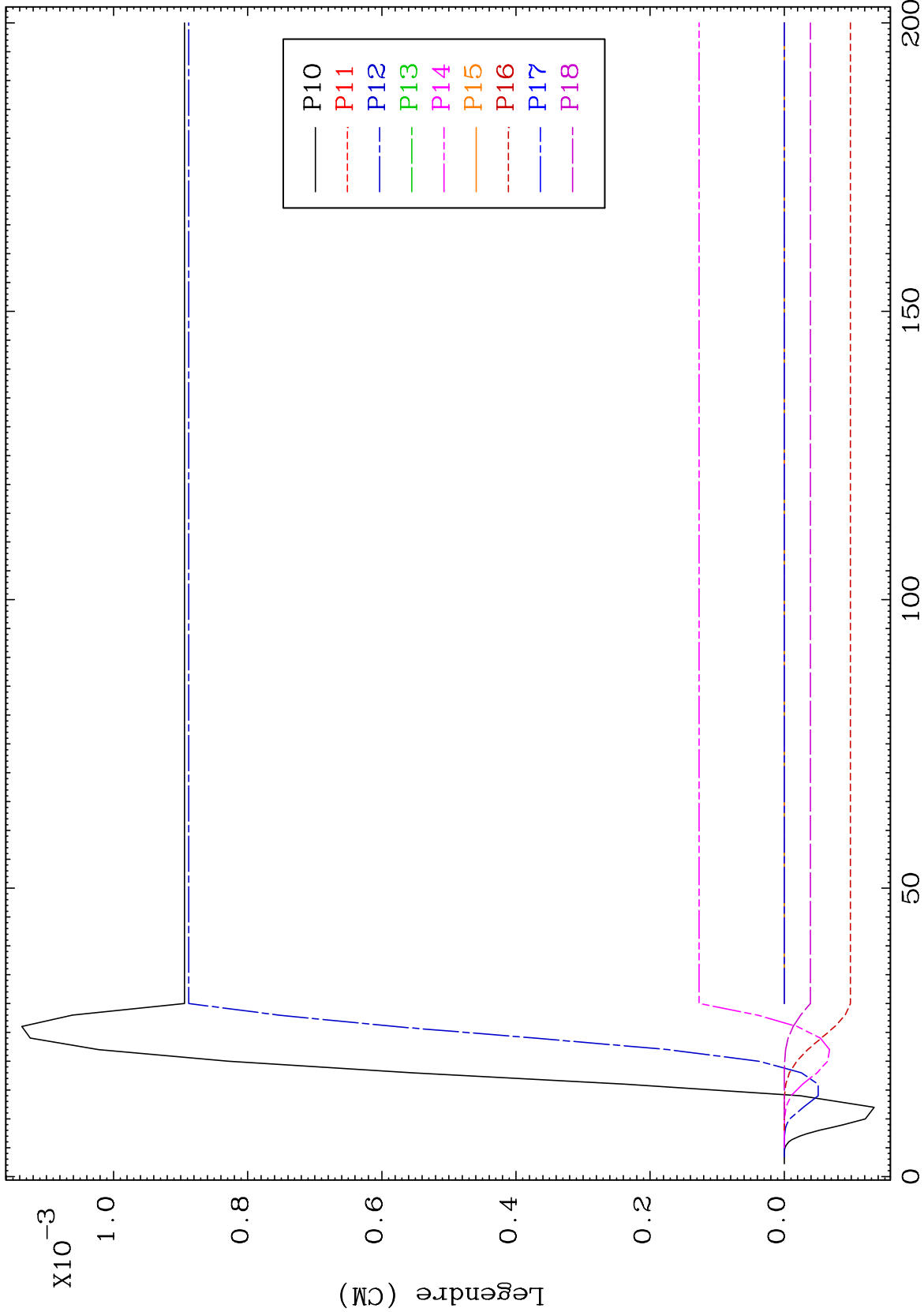
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

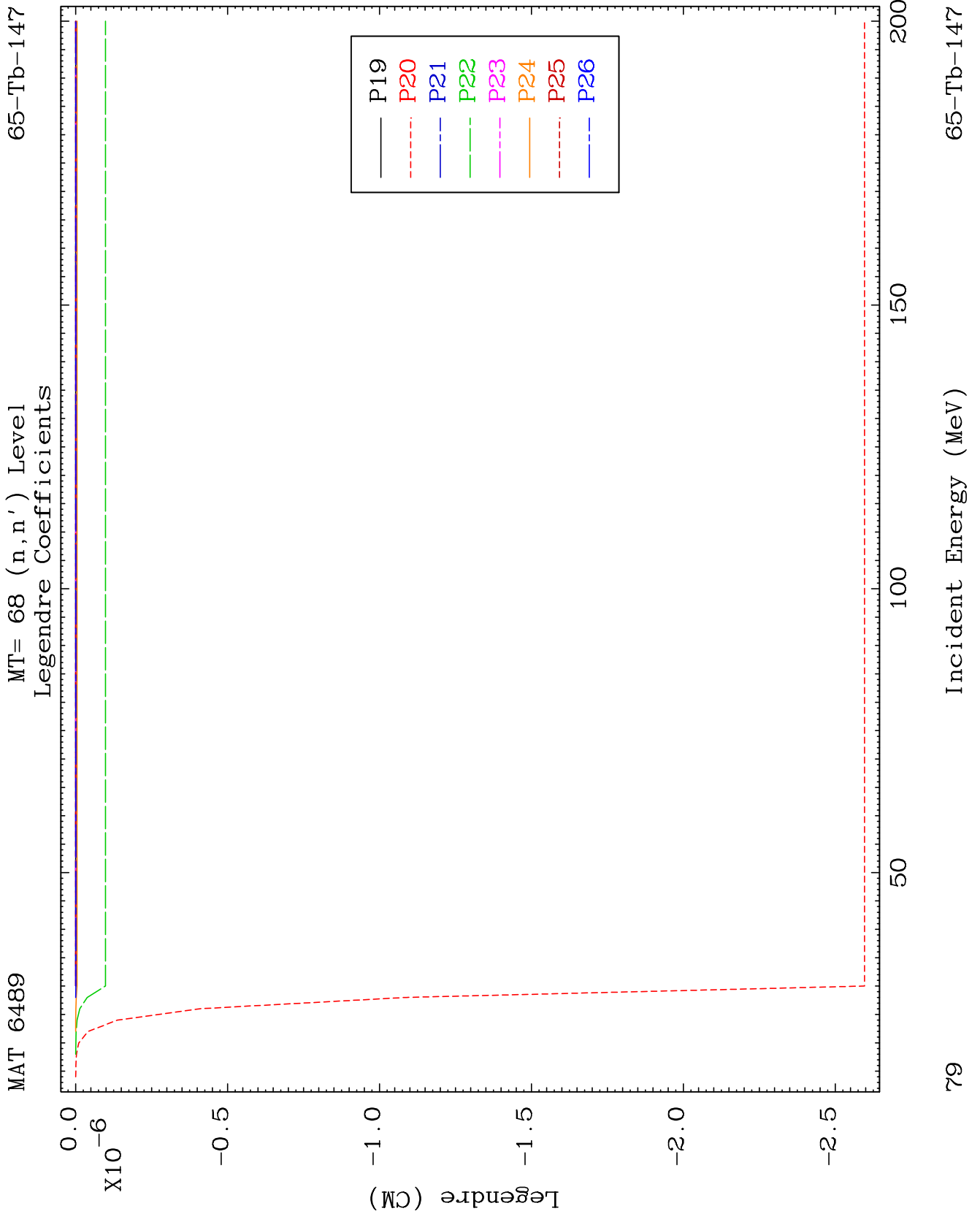
65-Tb-147

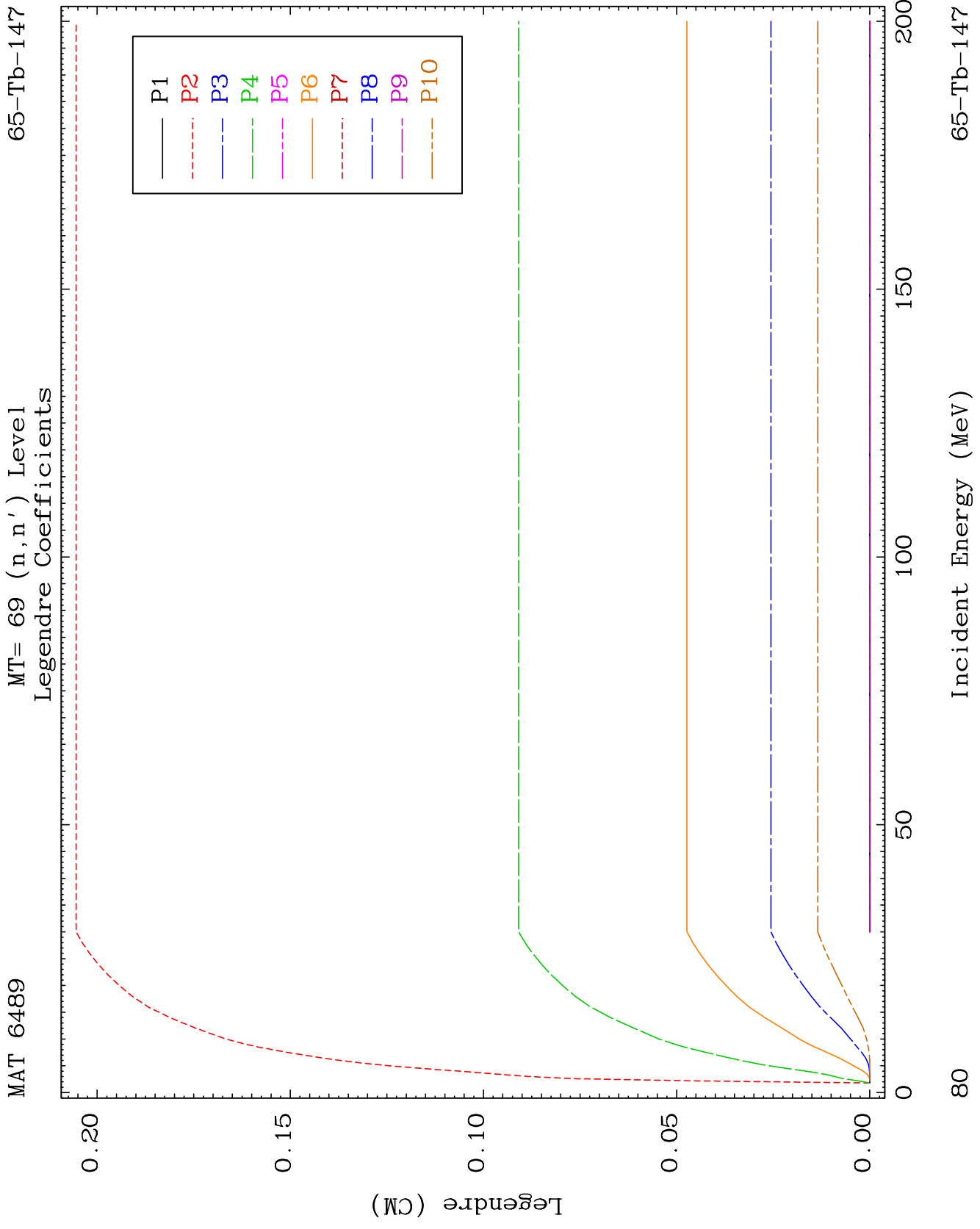


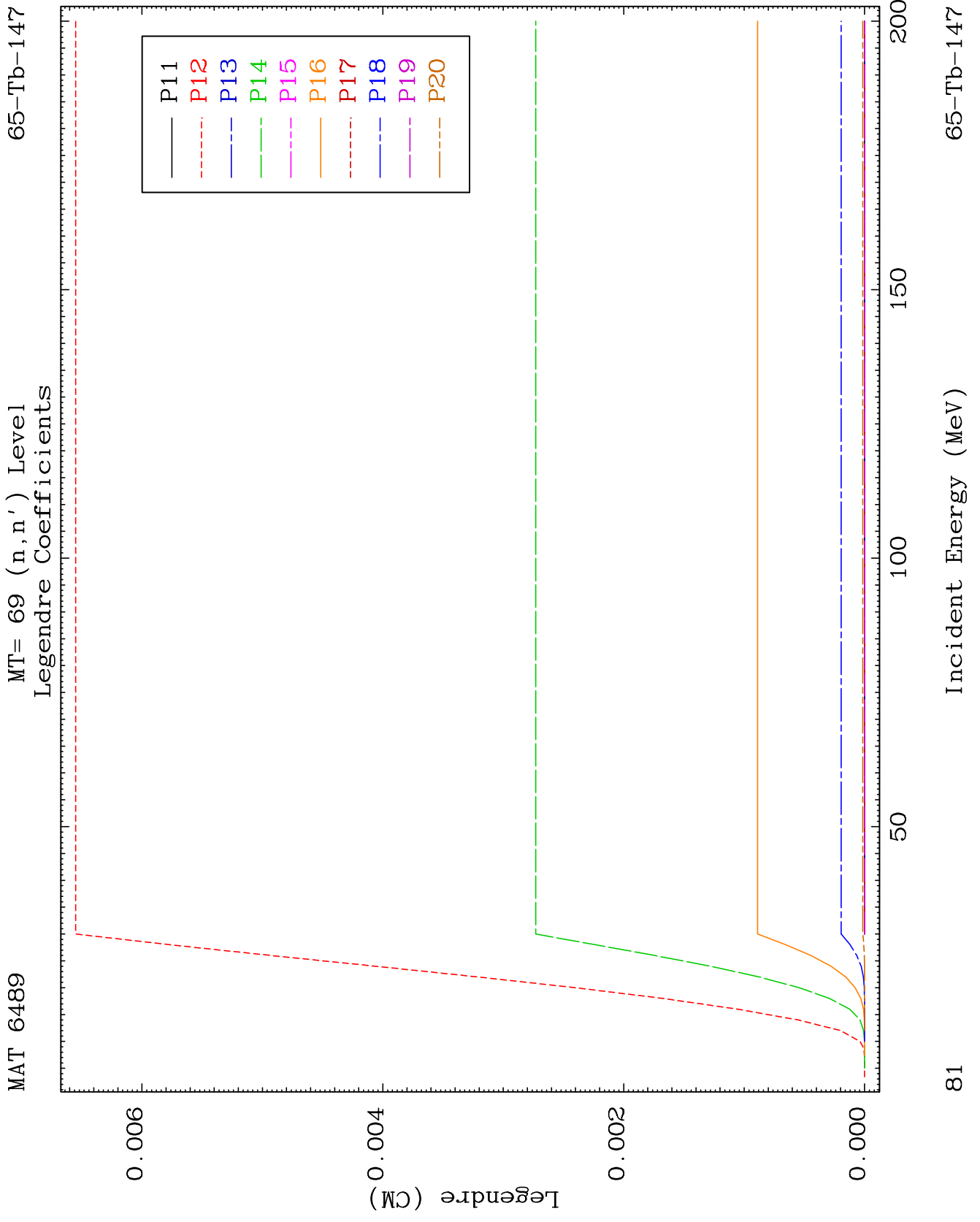
78

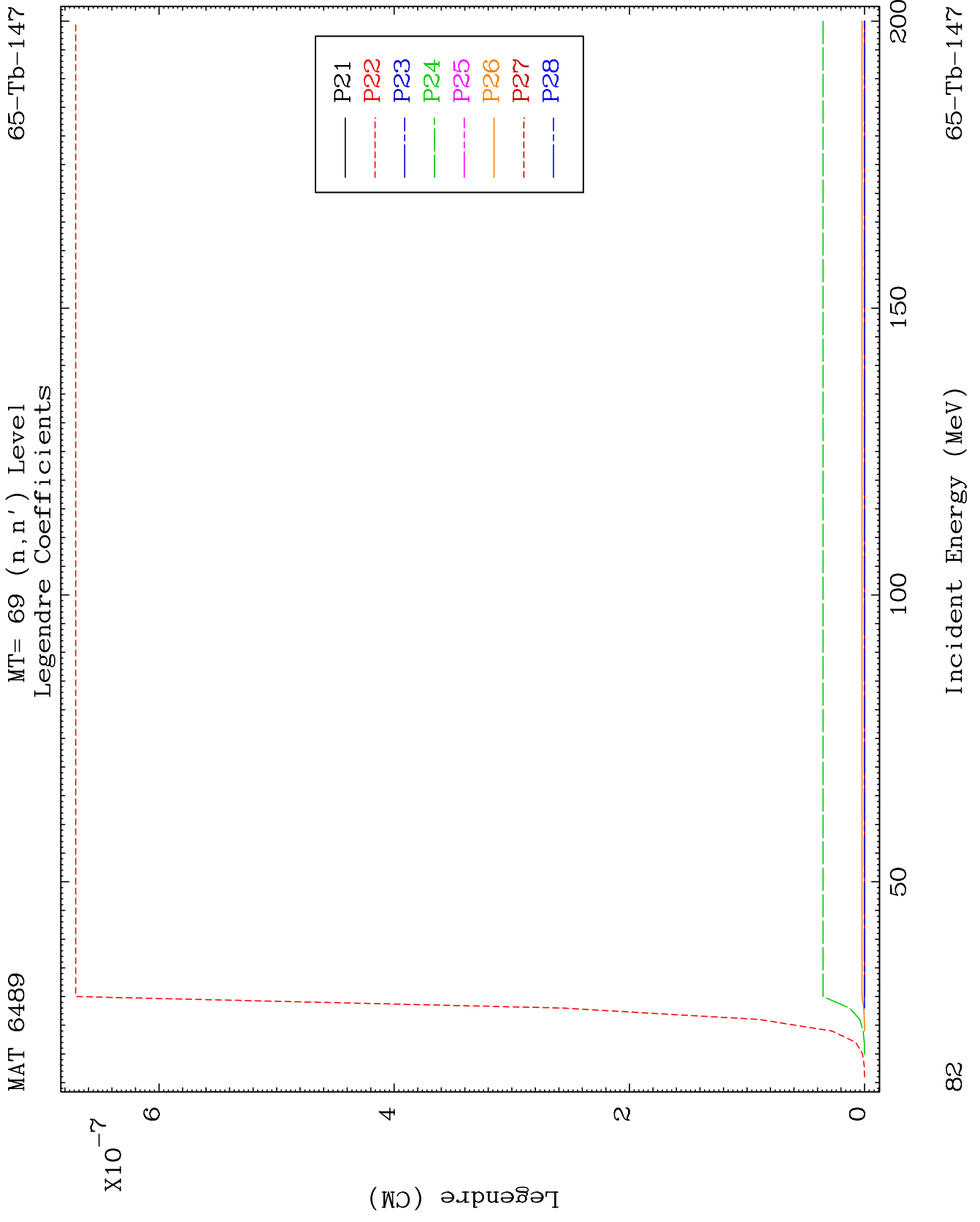
Incident Energy (MeV)

65-Tb-147





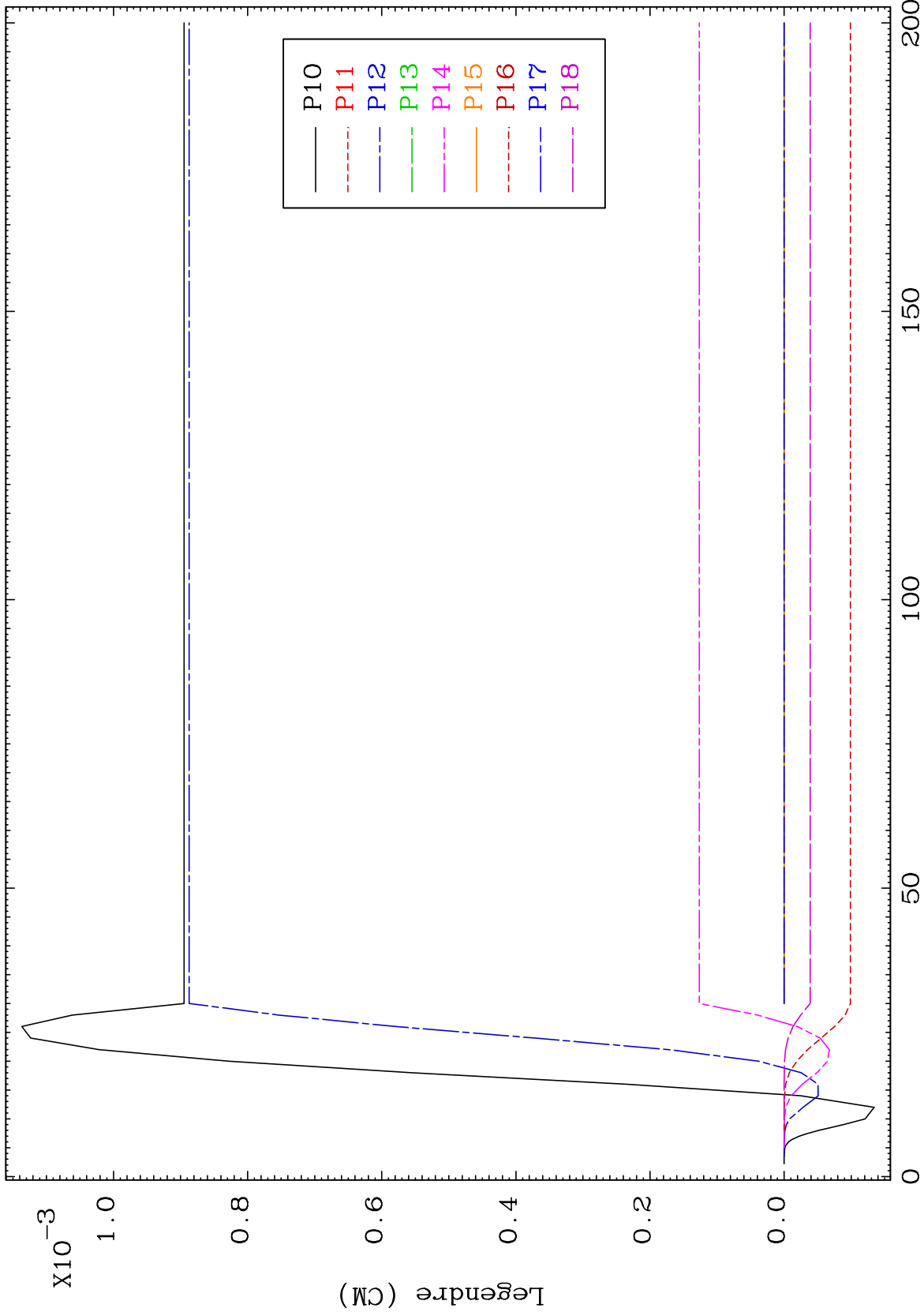




MAT 6489

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

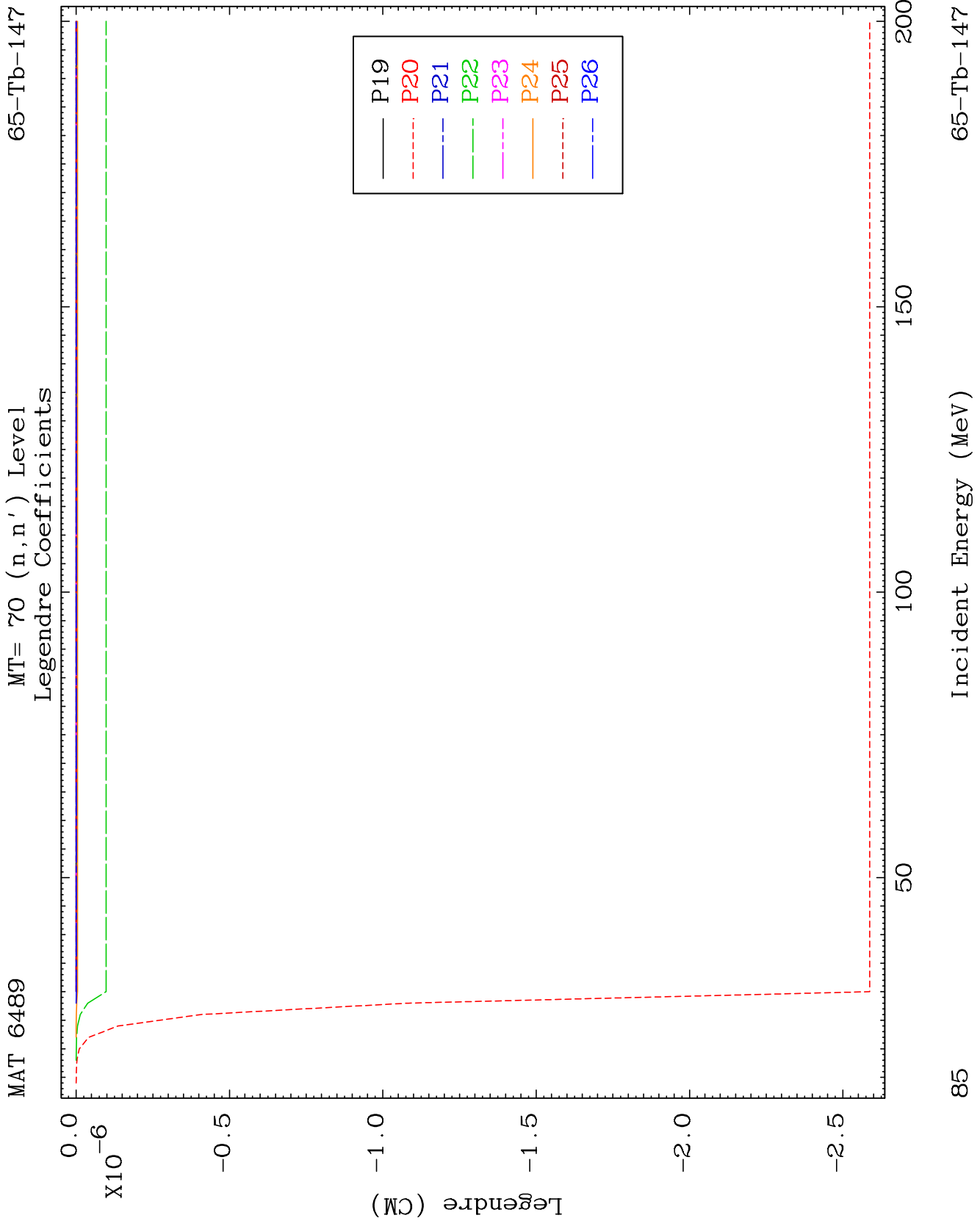
65-Tb-147



84

Incident Energy (MeV)

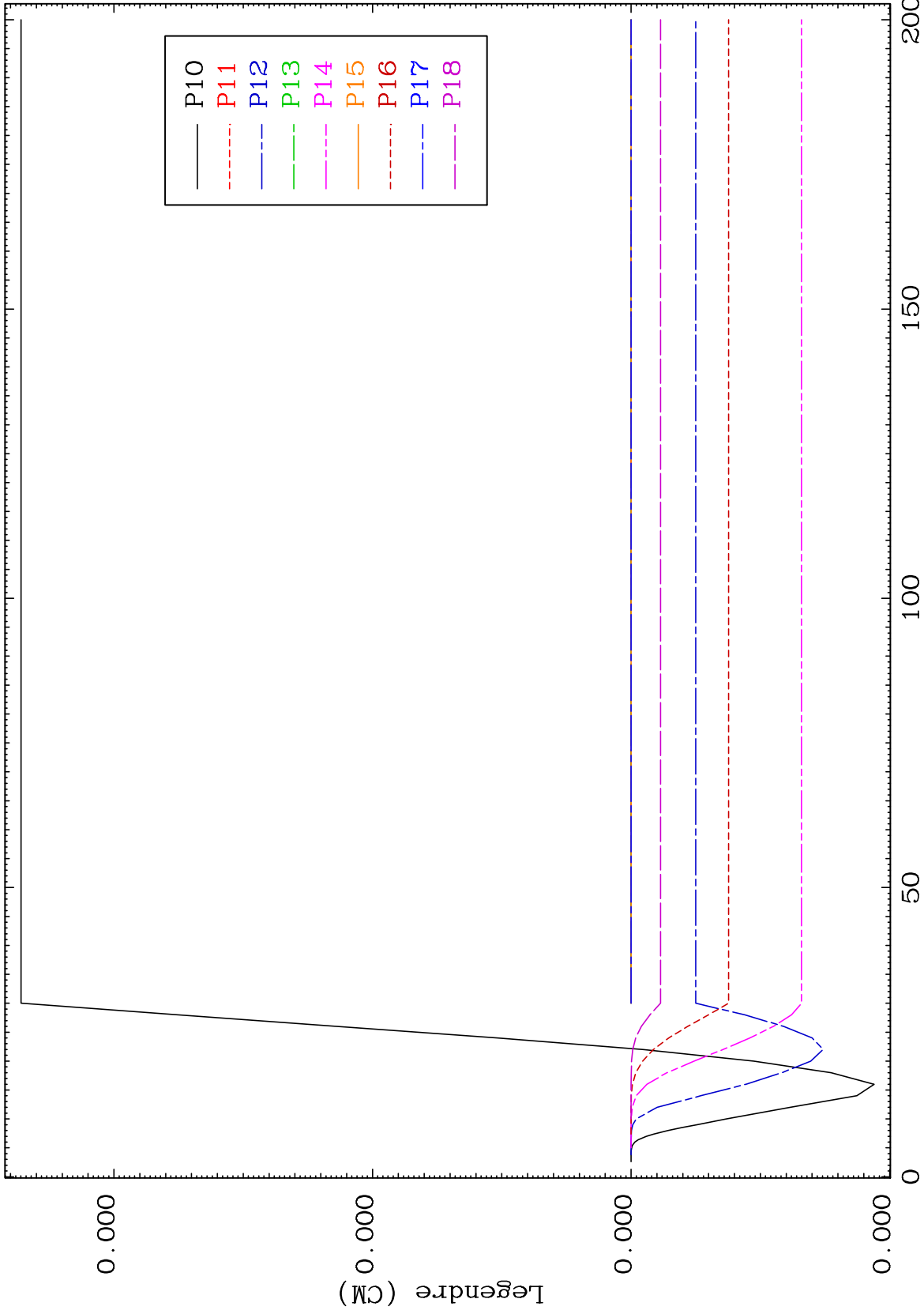
65-Tb-147



MAT 6489

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

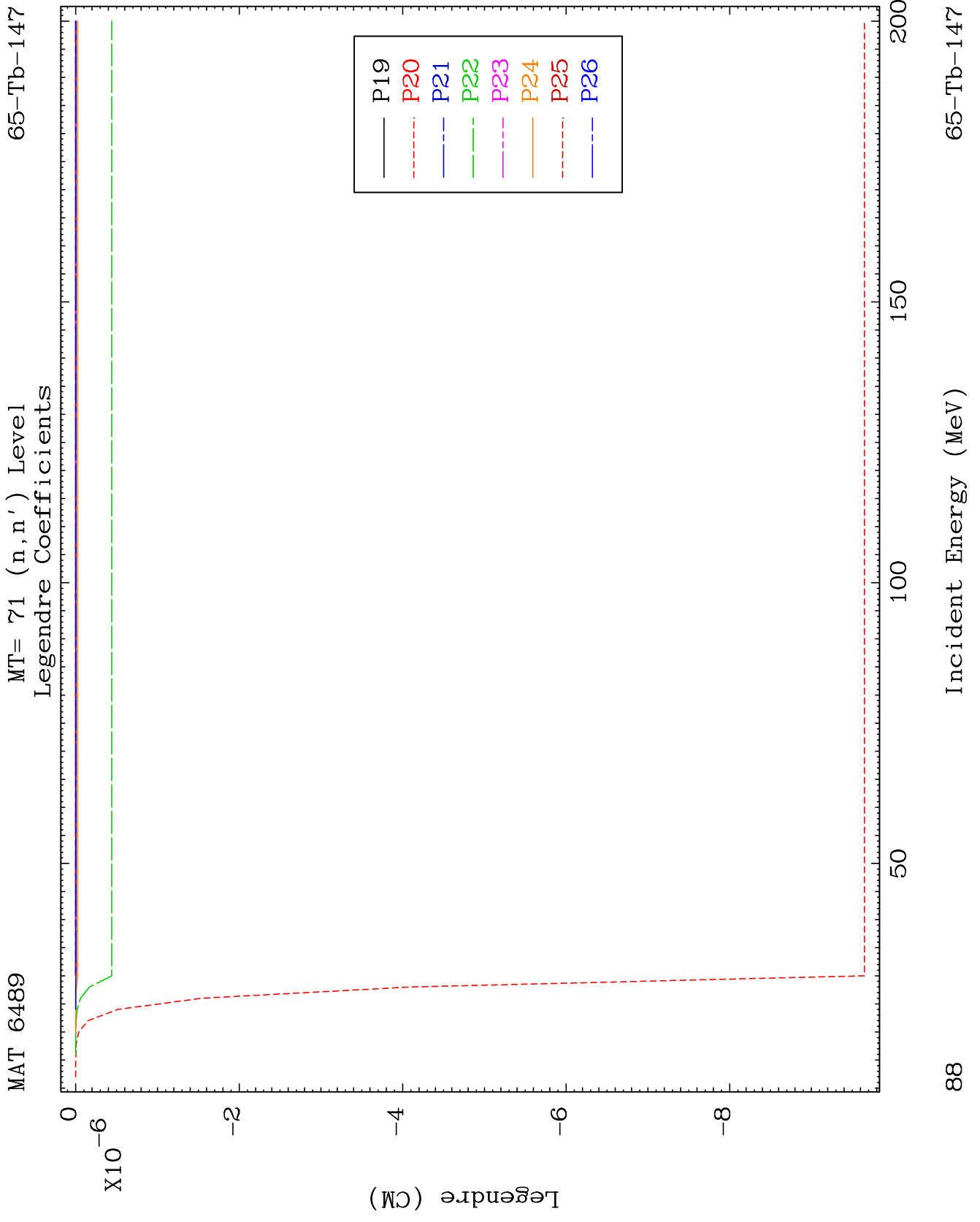
65-Tb-147

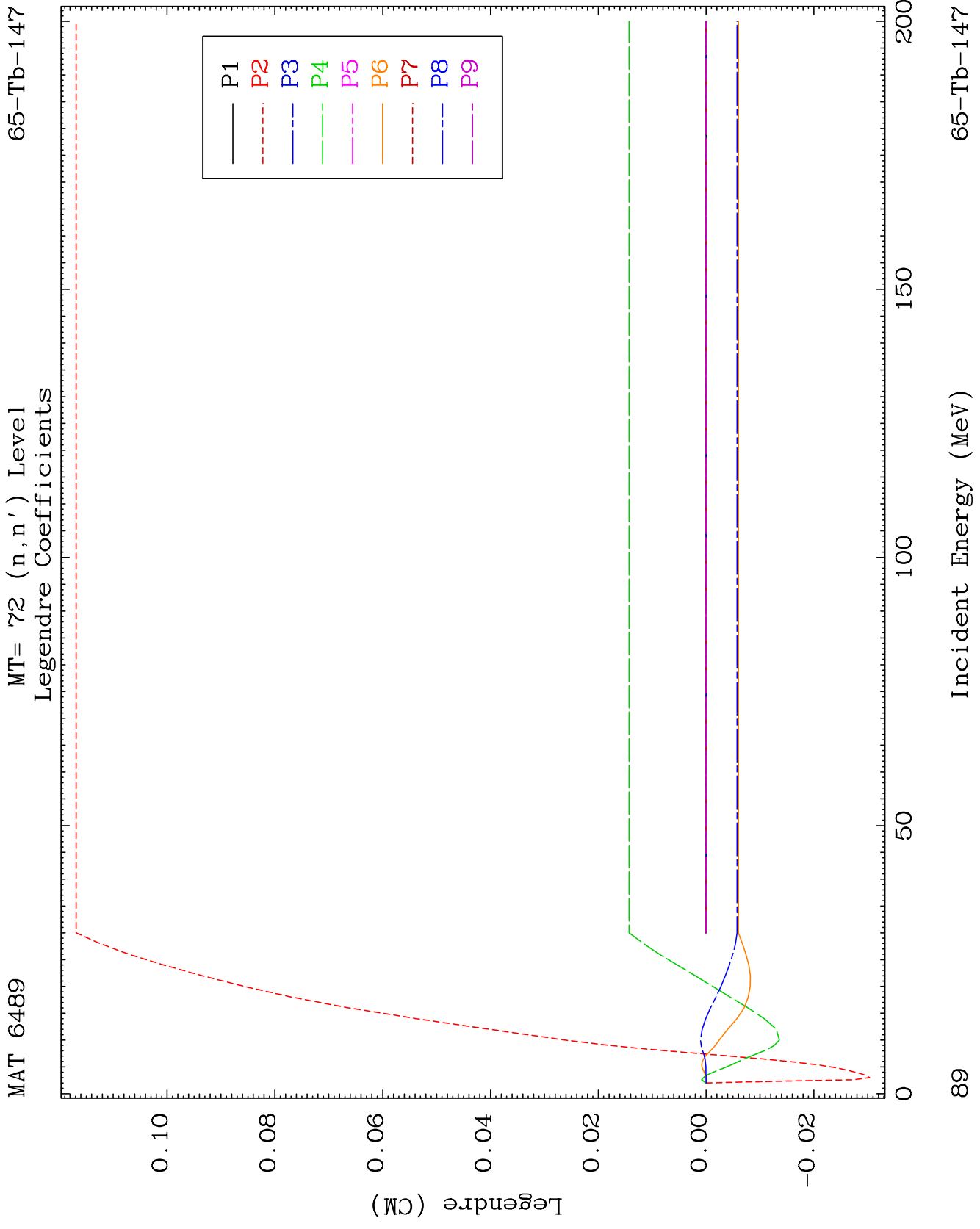


87

Incident Energy (MeV)

65-Tb-147

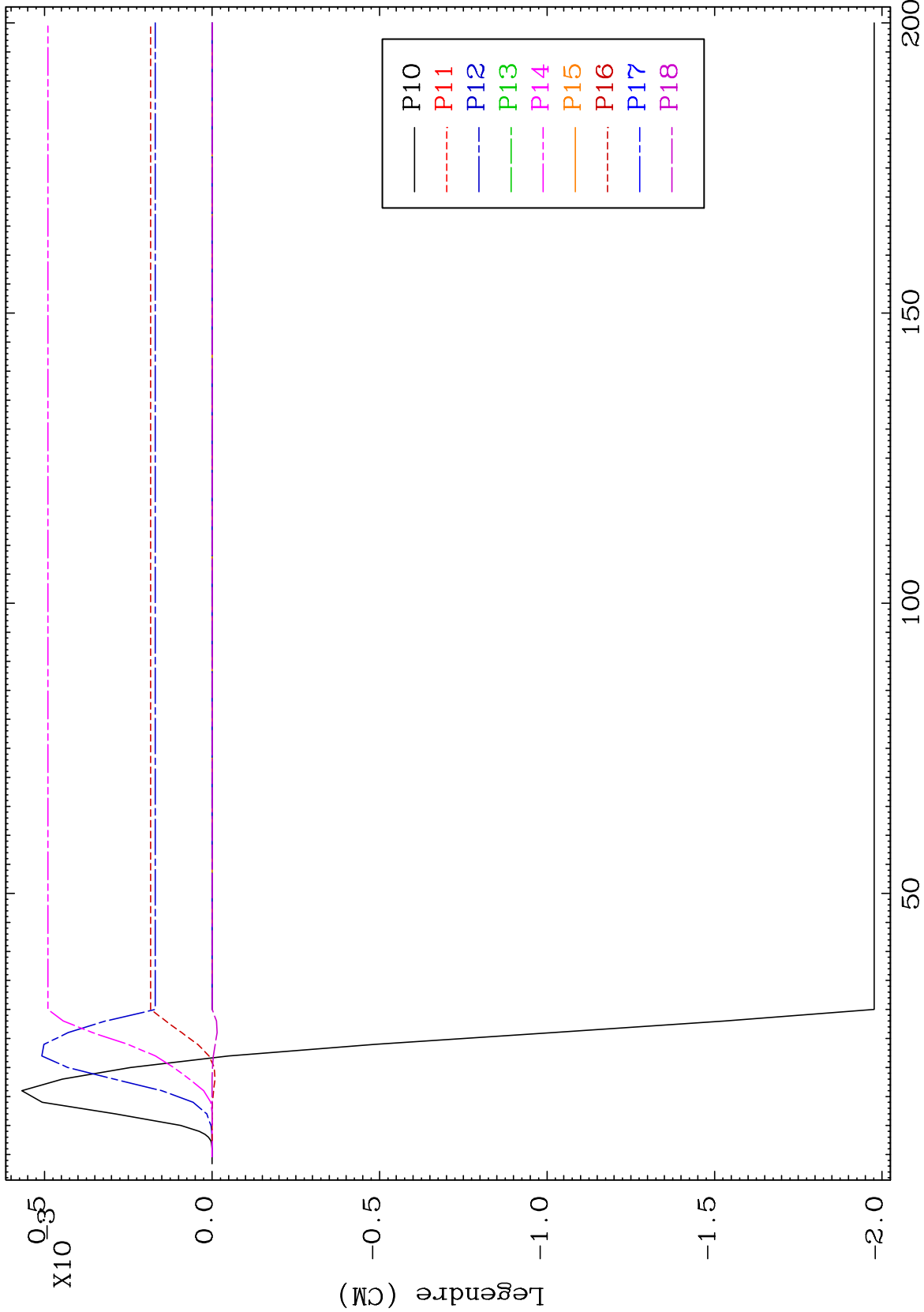




MAT 6489

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

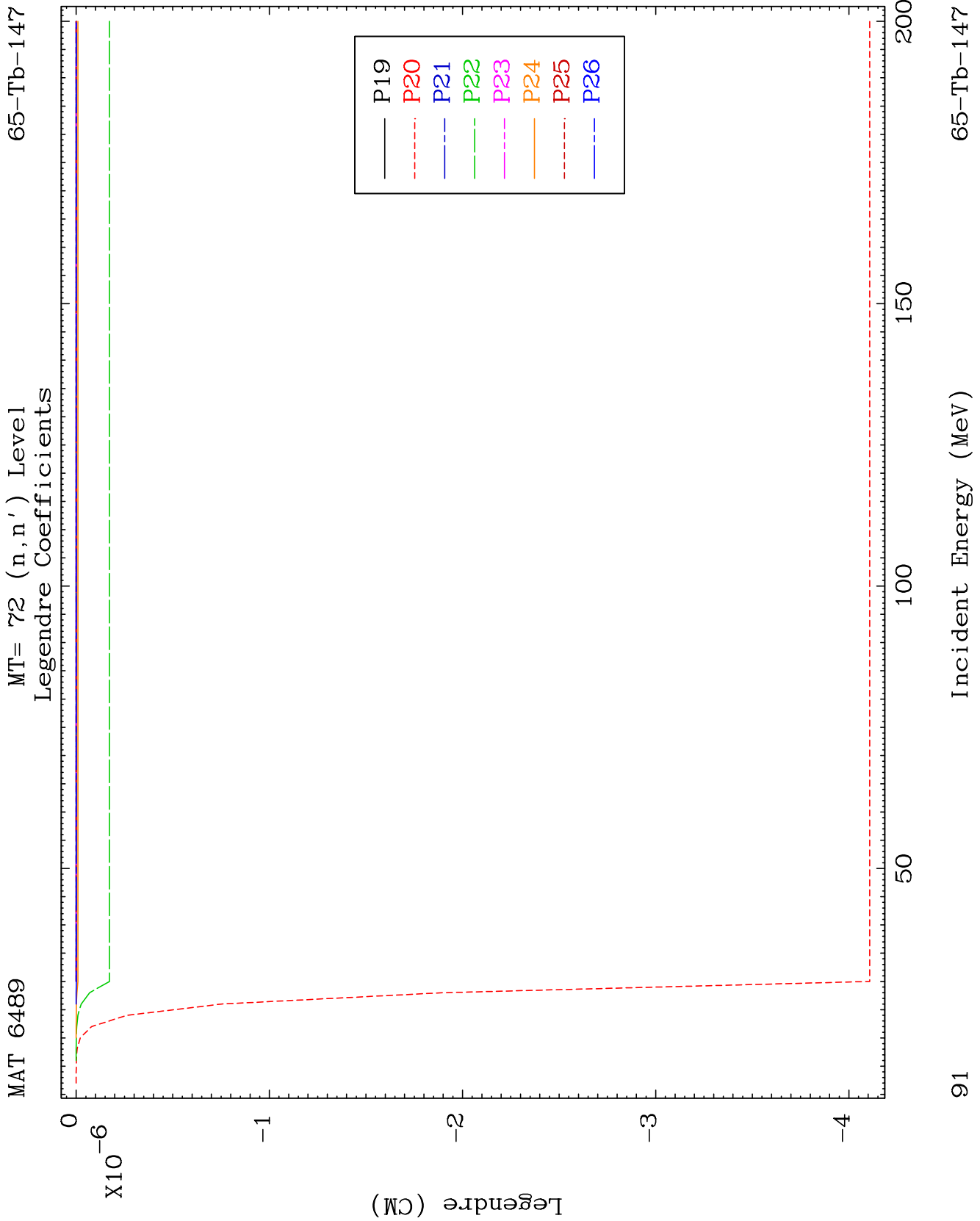
65-Tb-147



90

Incident Energy (MeV)

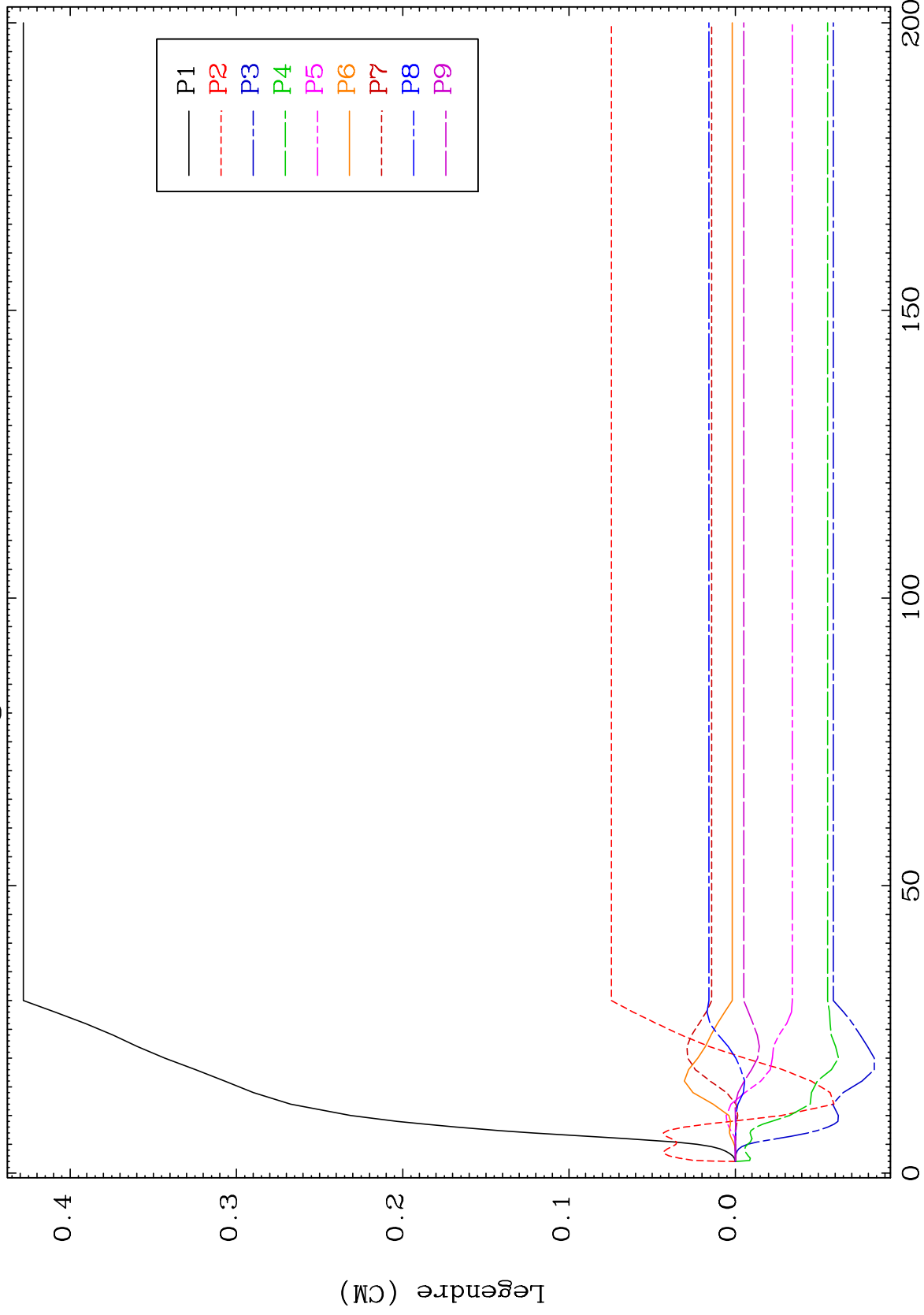
65-Tb-147



MAT 6489

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

65-Tb-147



92

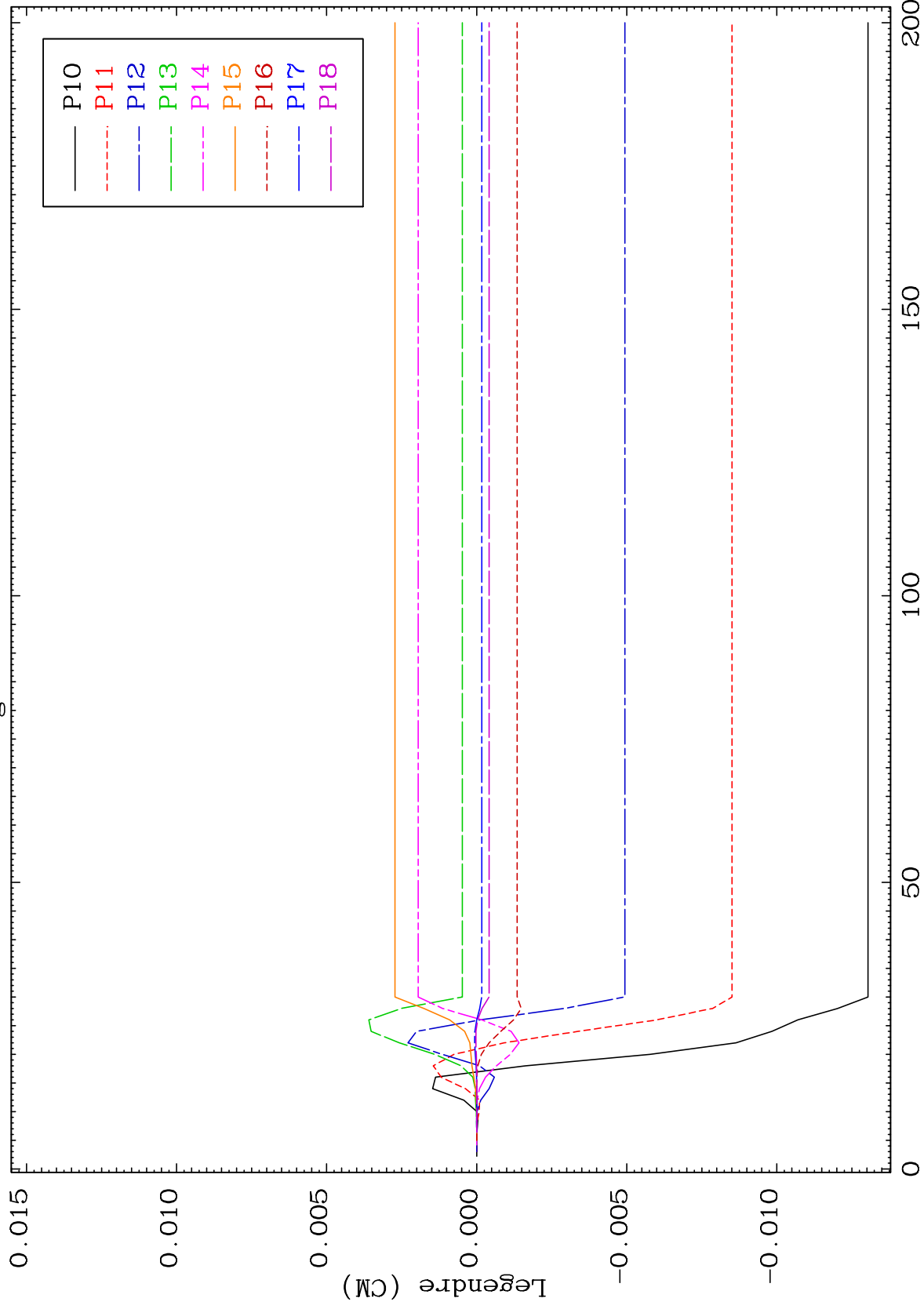
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



93

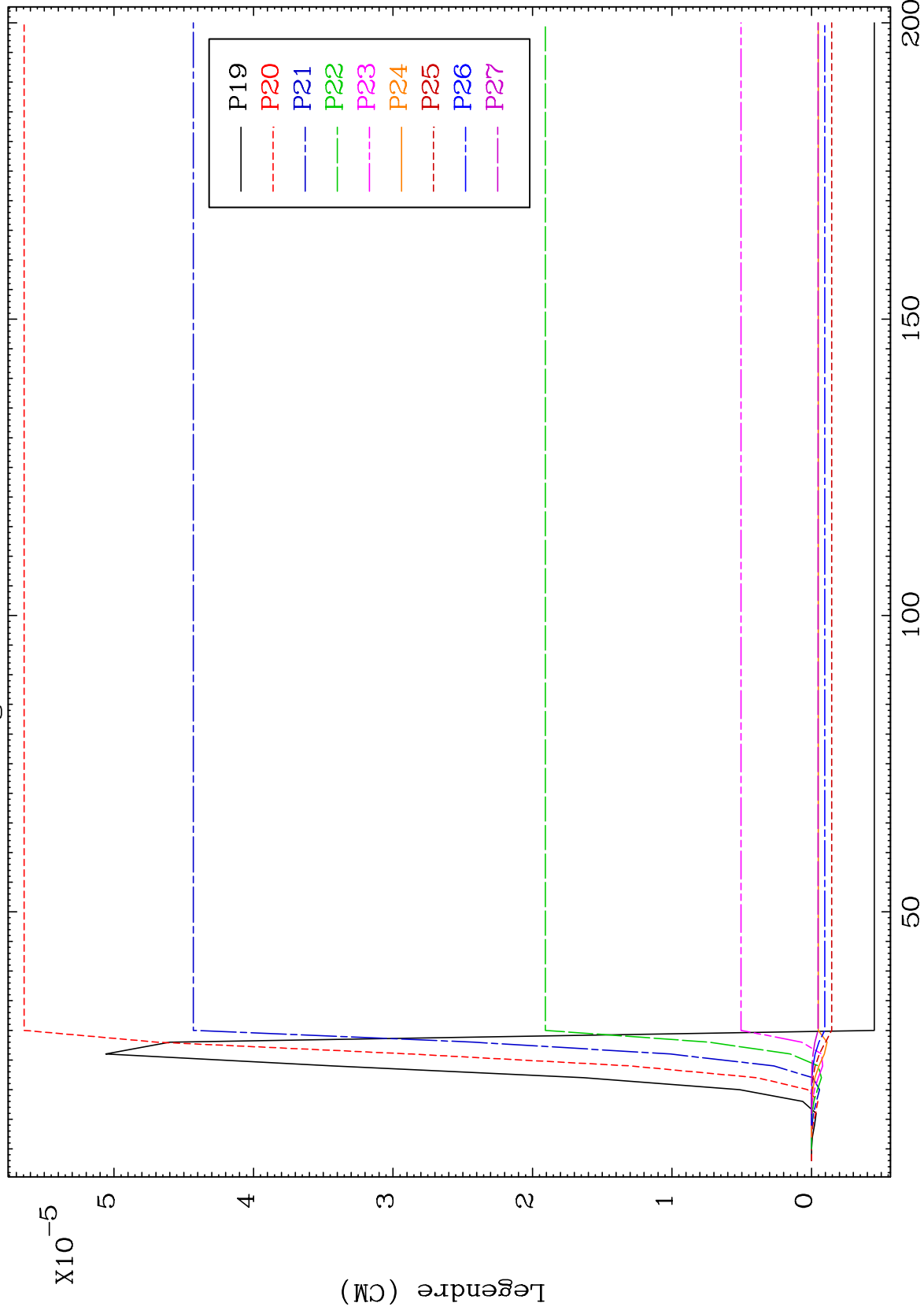
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

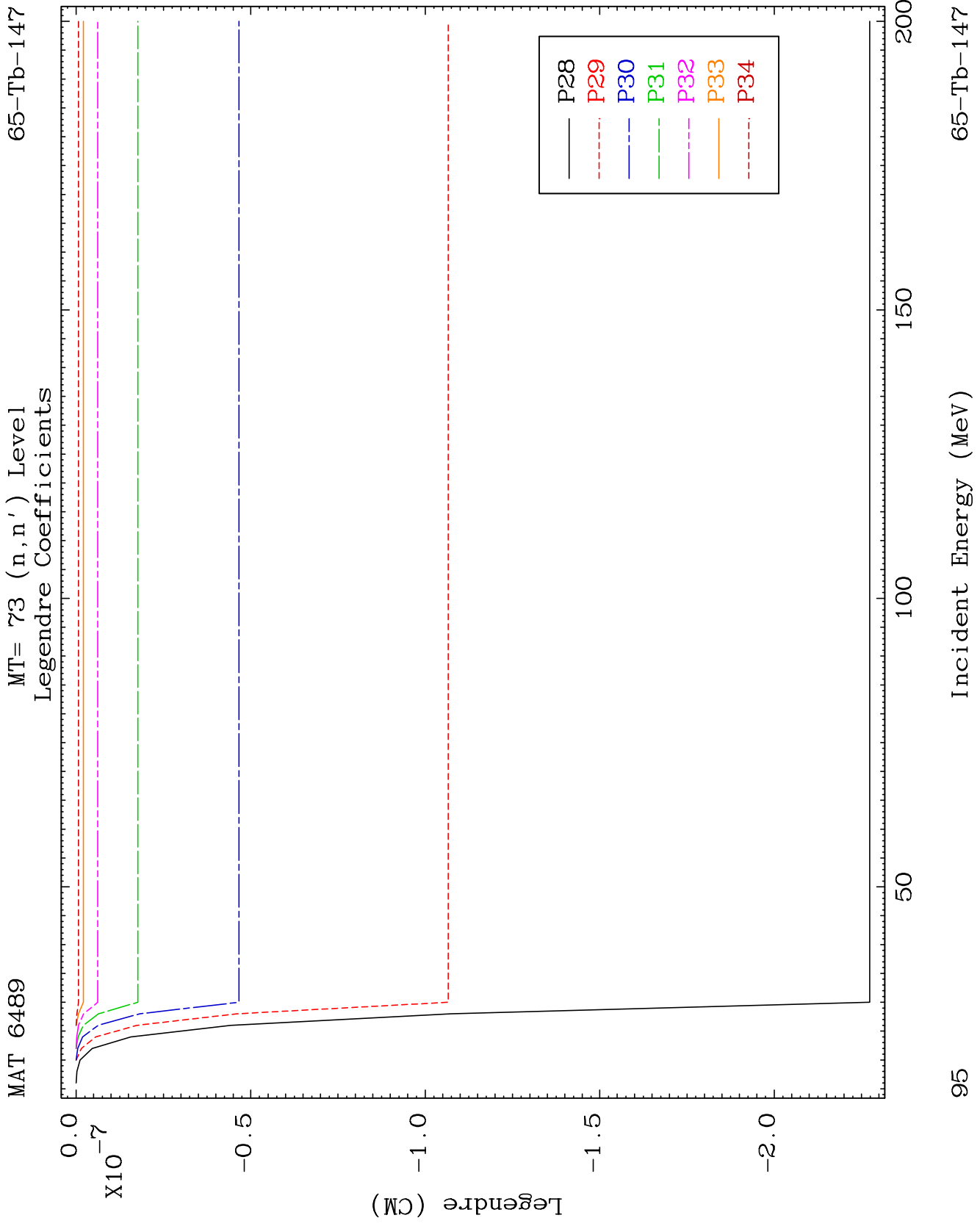
65-Tb-147



94

Incident Energy (MeV)

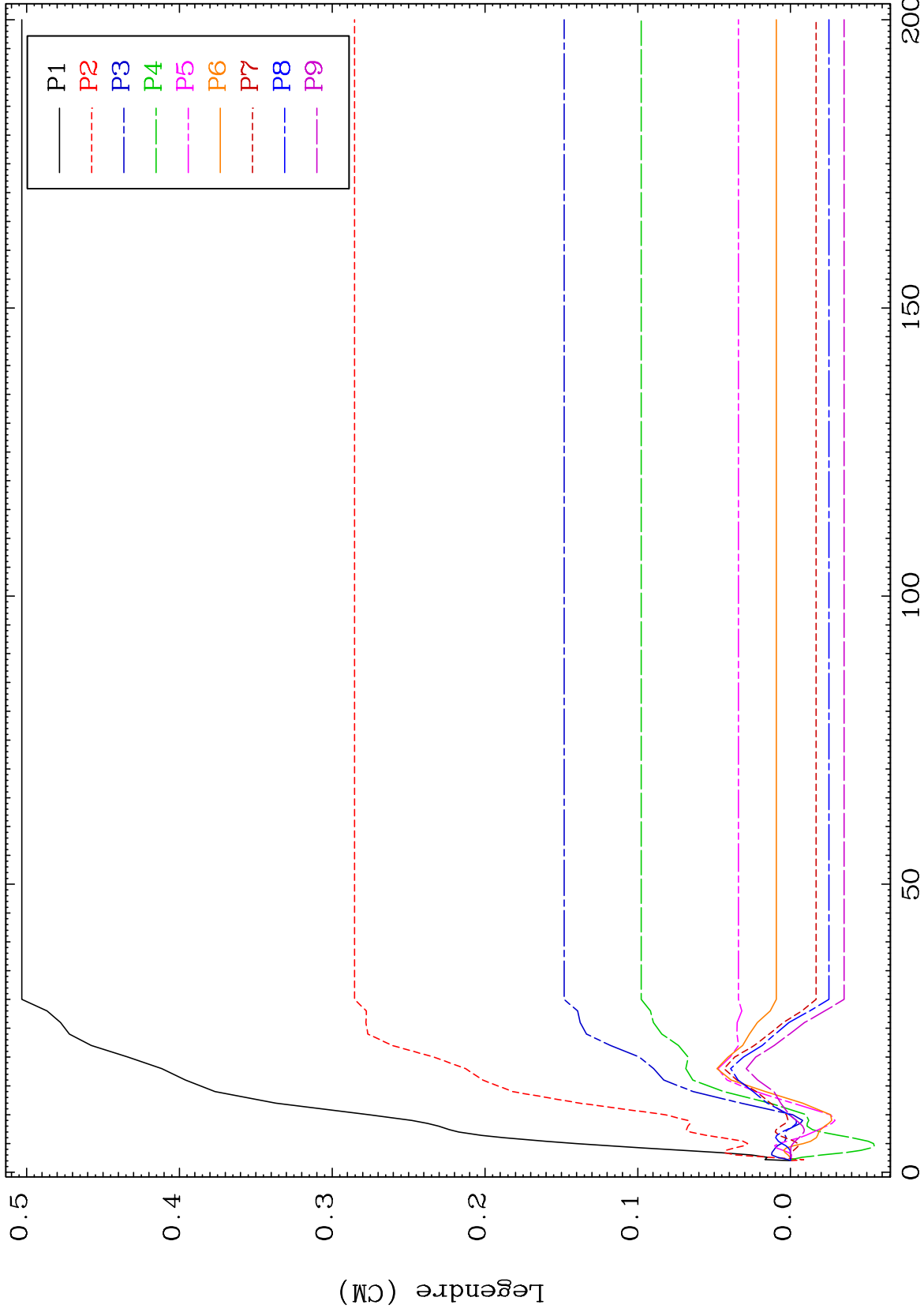
65-Tb-147



MAT 6489

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

65-Tb-147



96

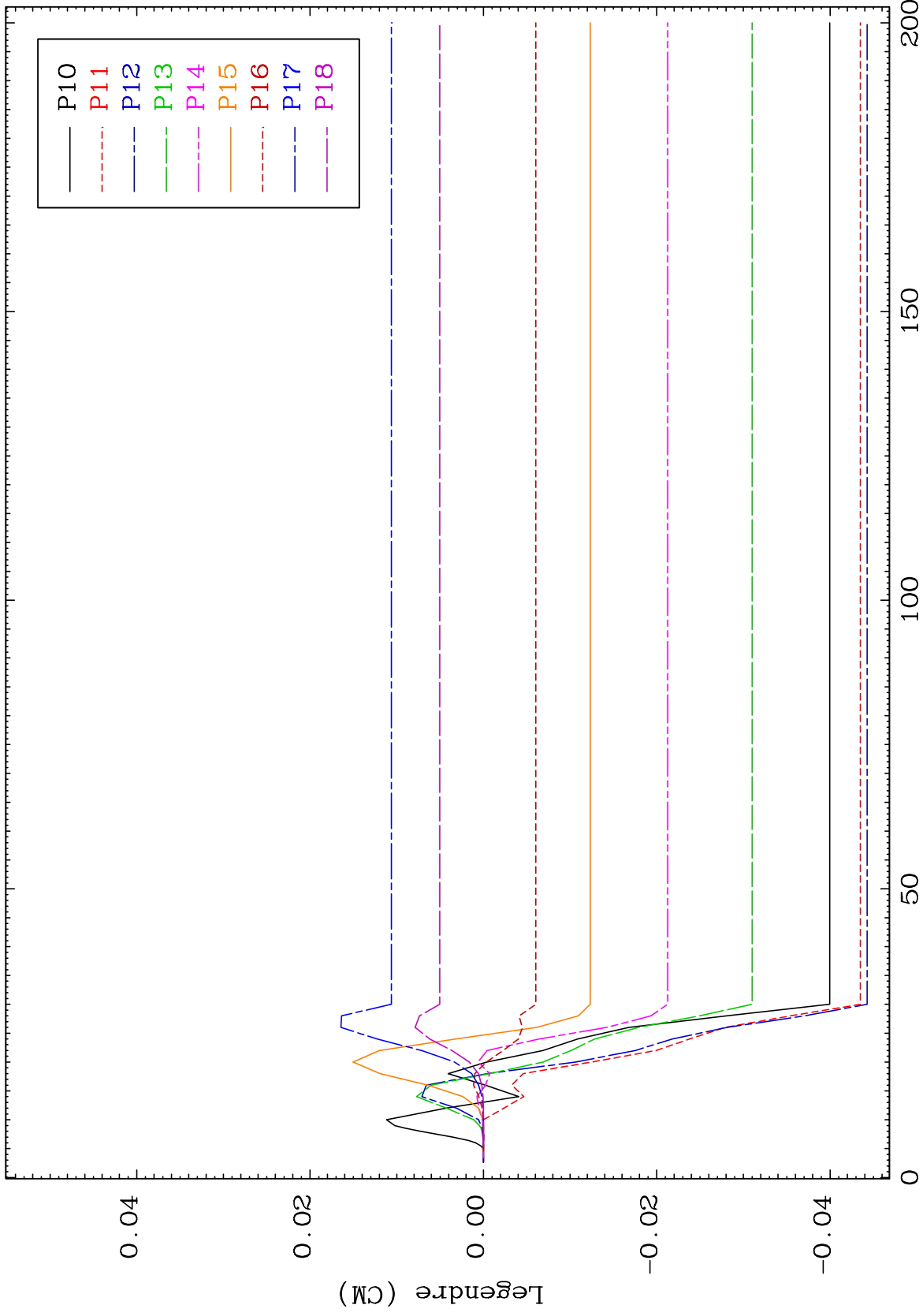
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



97

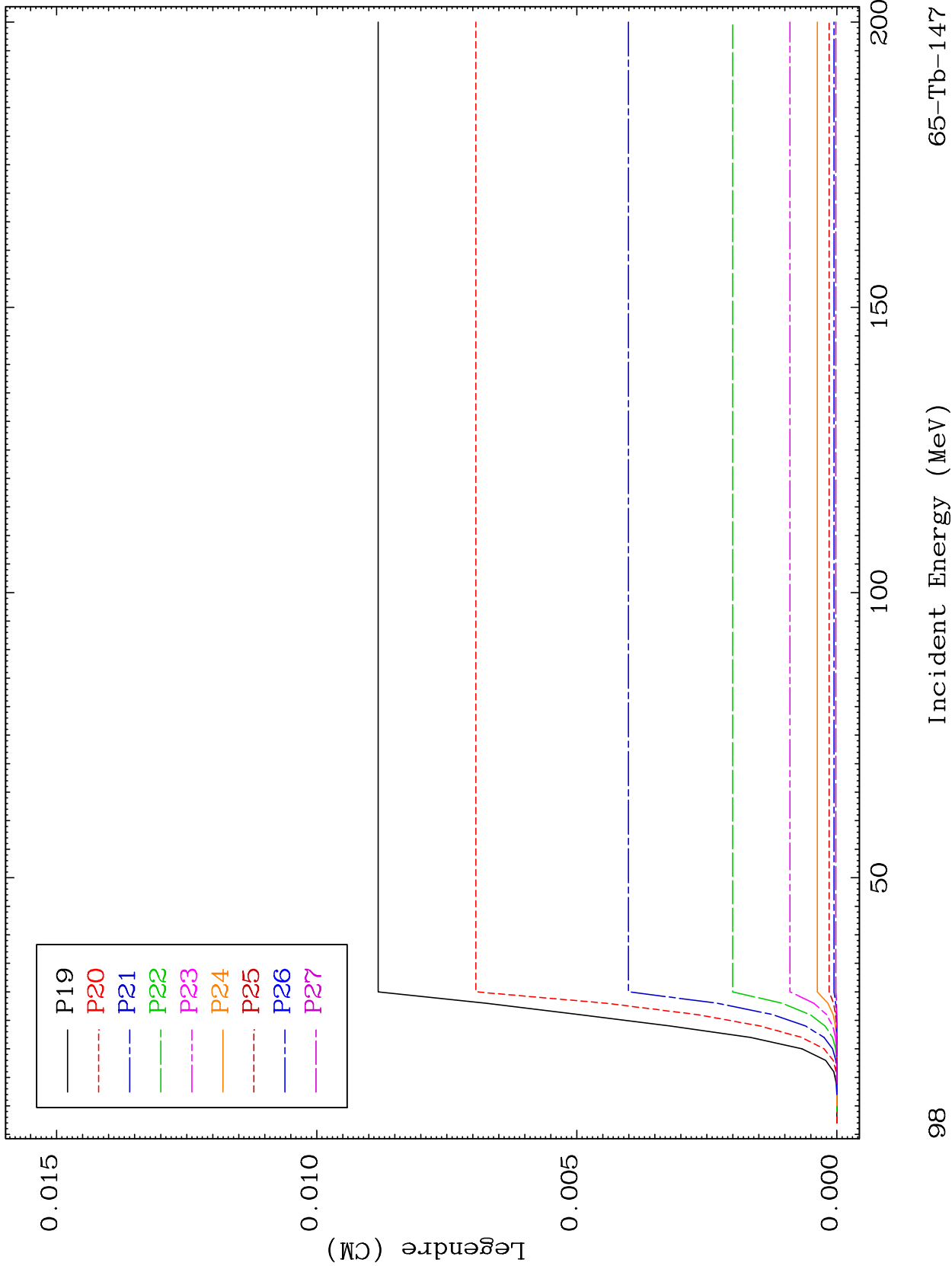
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

65-Tb-147



98

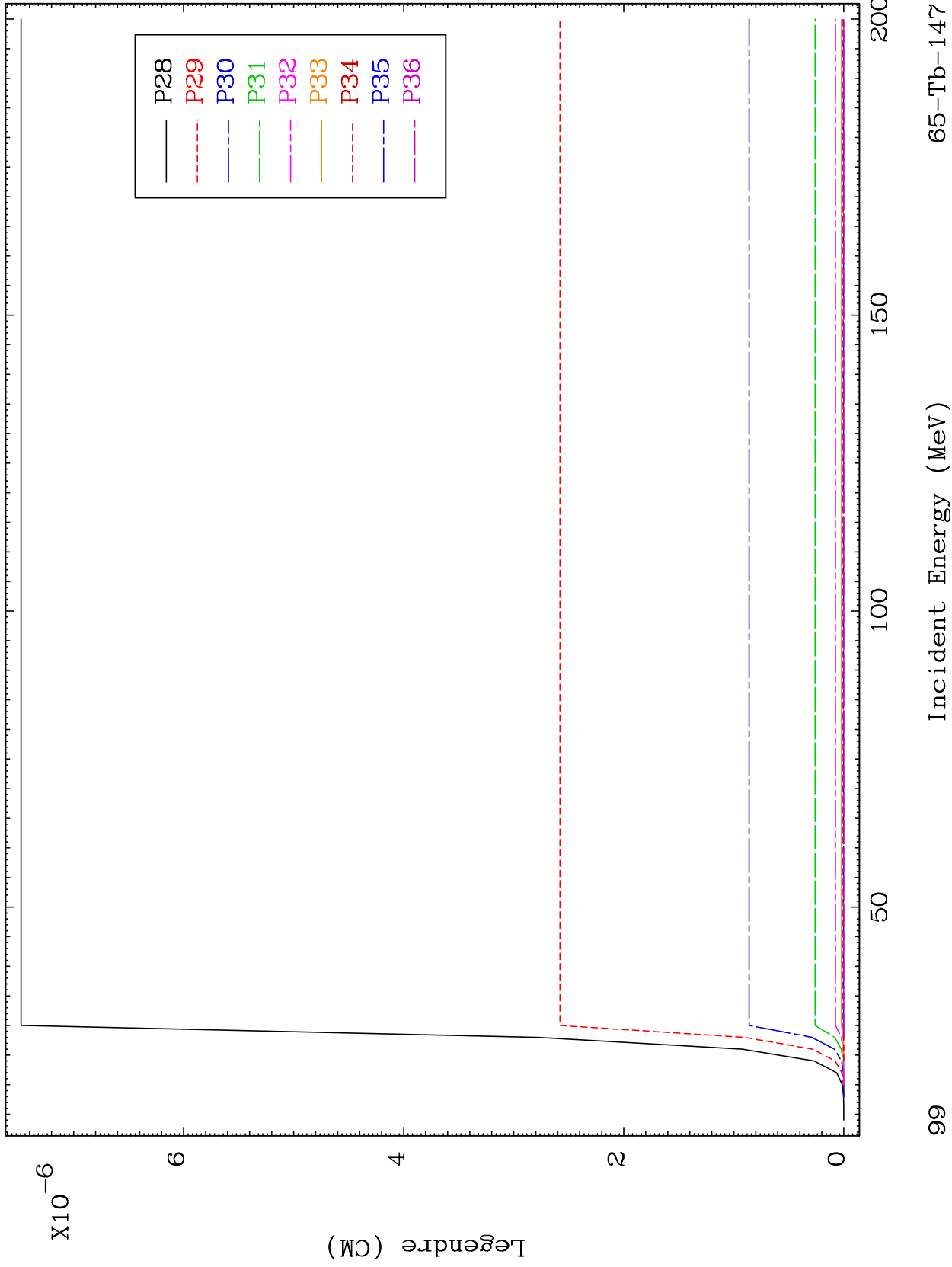
Incident Energy (MeV)

65-Tb-147

MAT 6489

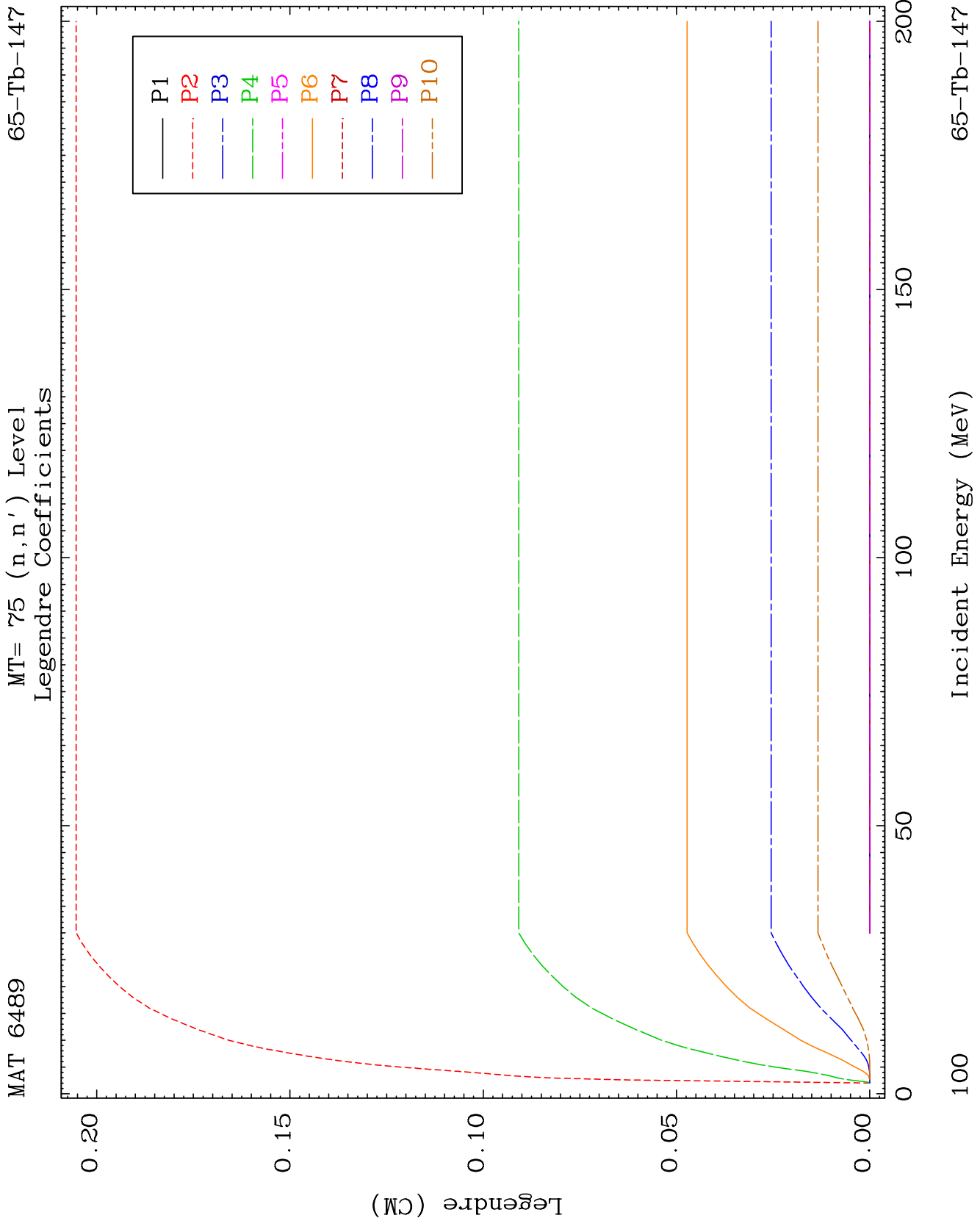
MT= 74 (n,n') Level
Legendre Coefficients

65-Tb-147



99

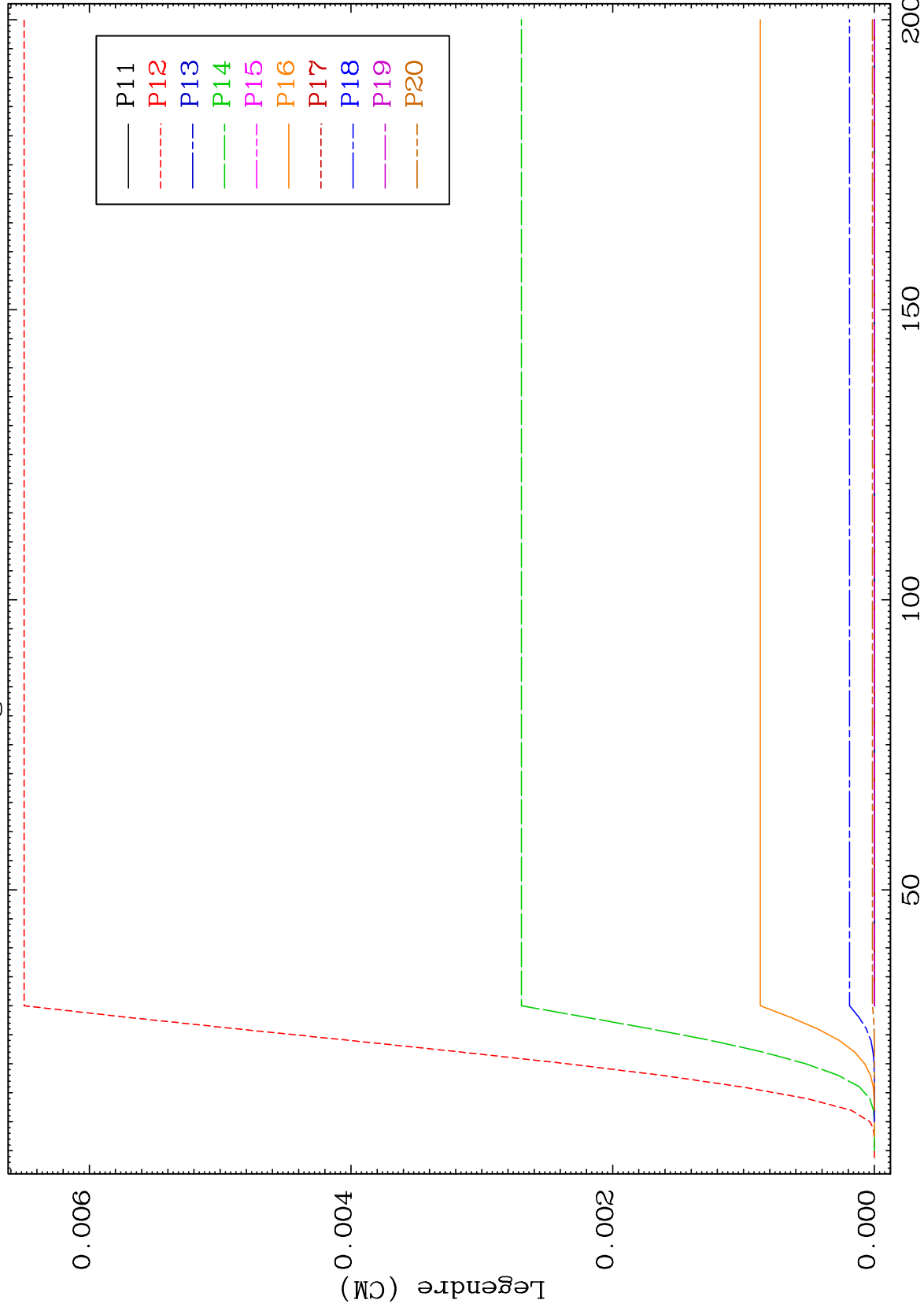
65-Tb-147



MAT 6489

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

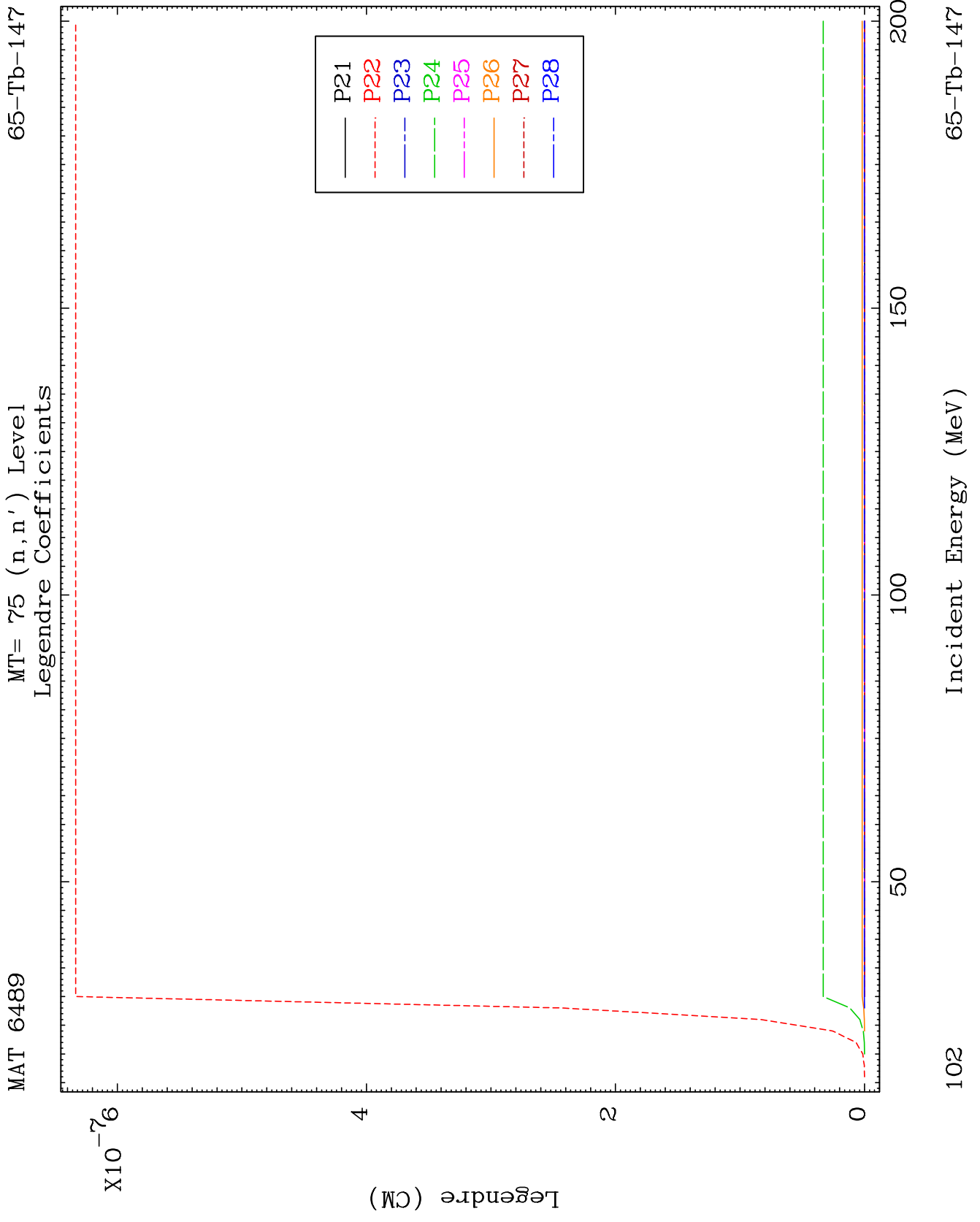
65-Tb-147



101

Incident Energy (MeV)

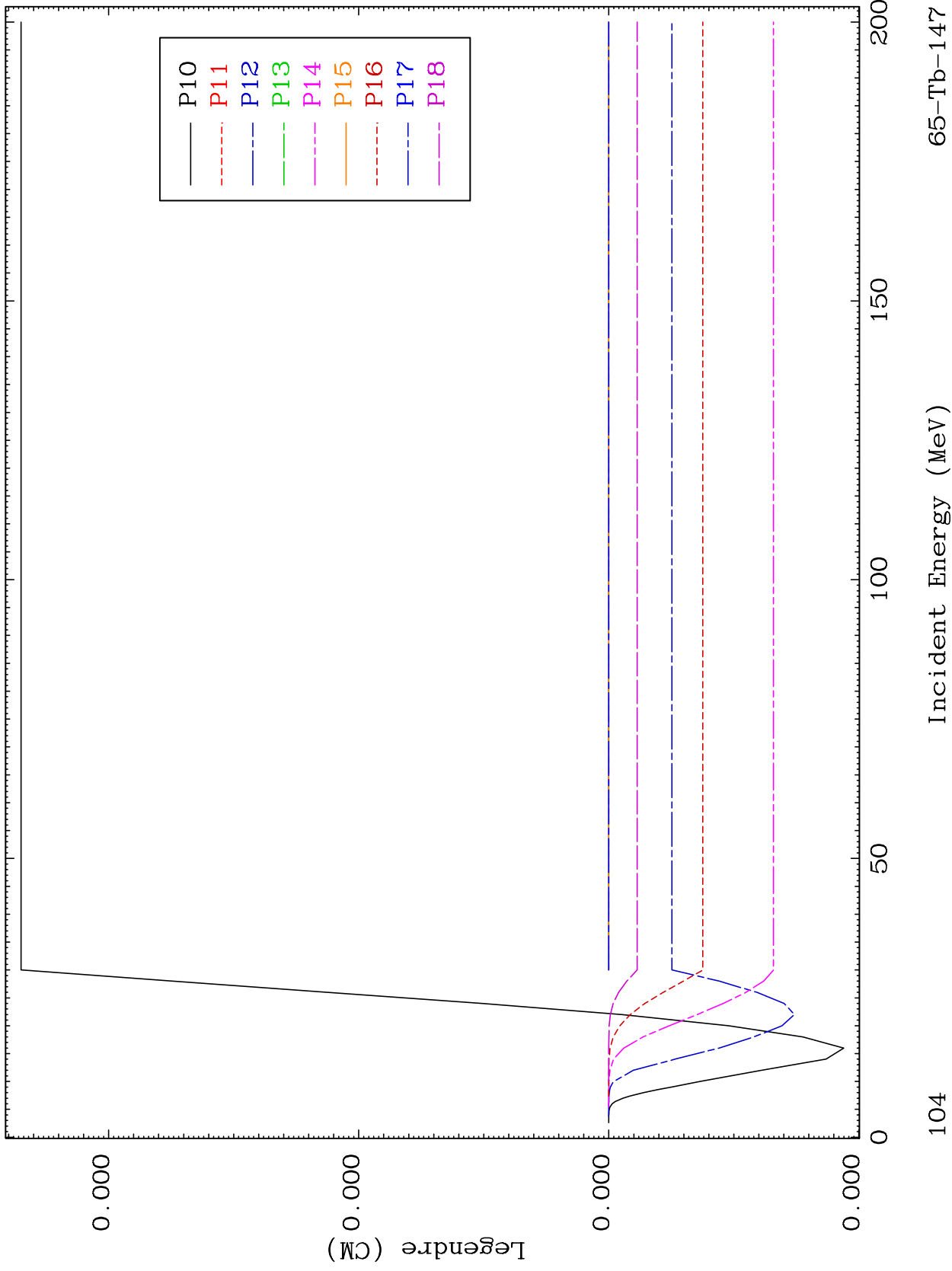
65-Tb-147

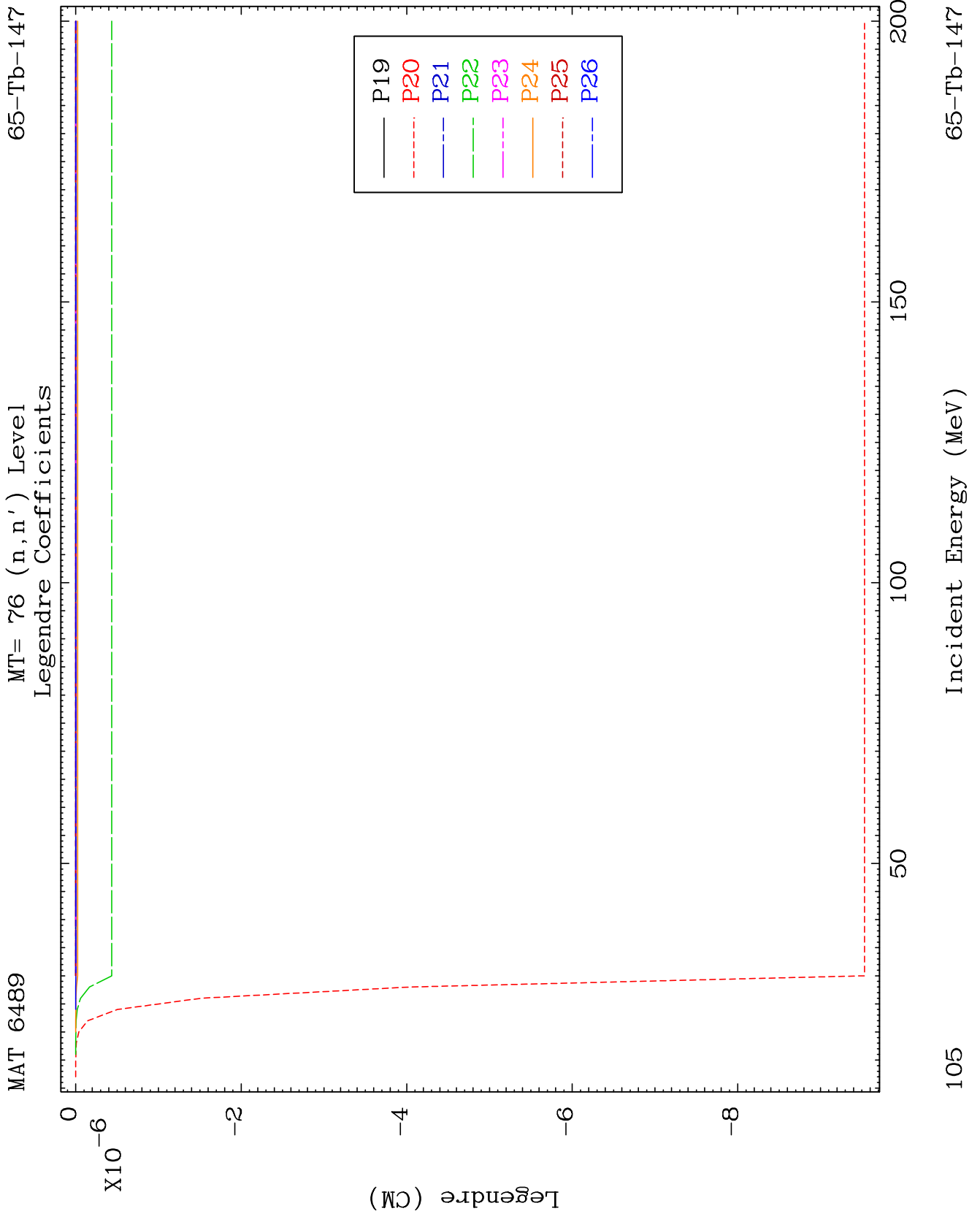


MAT 6489

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

65-Tb-147

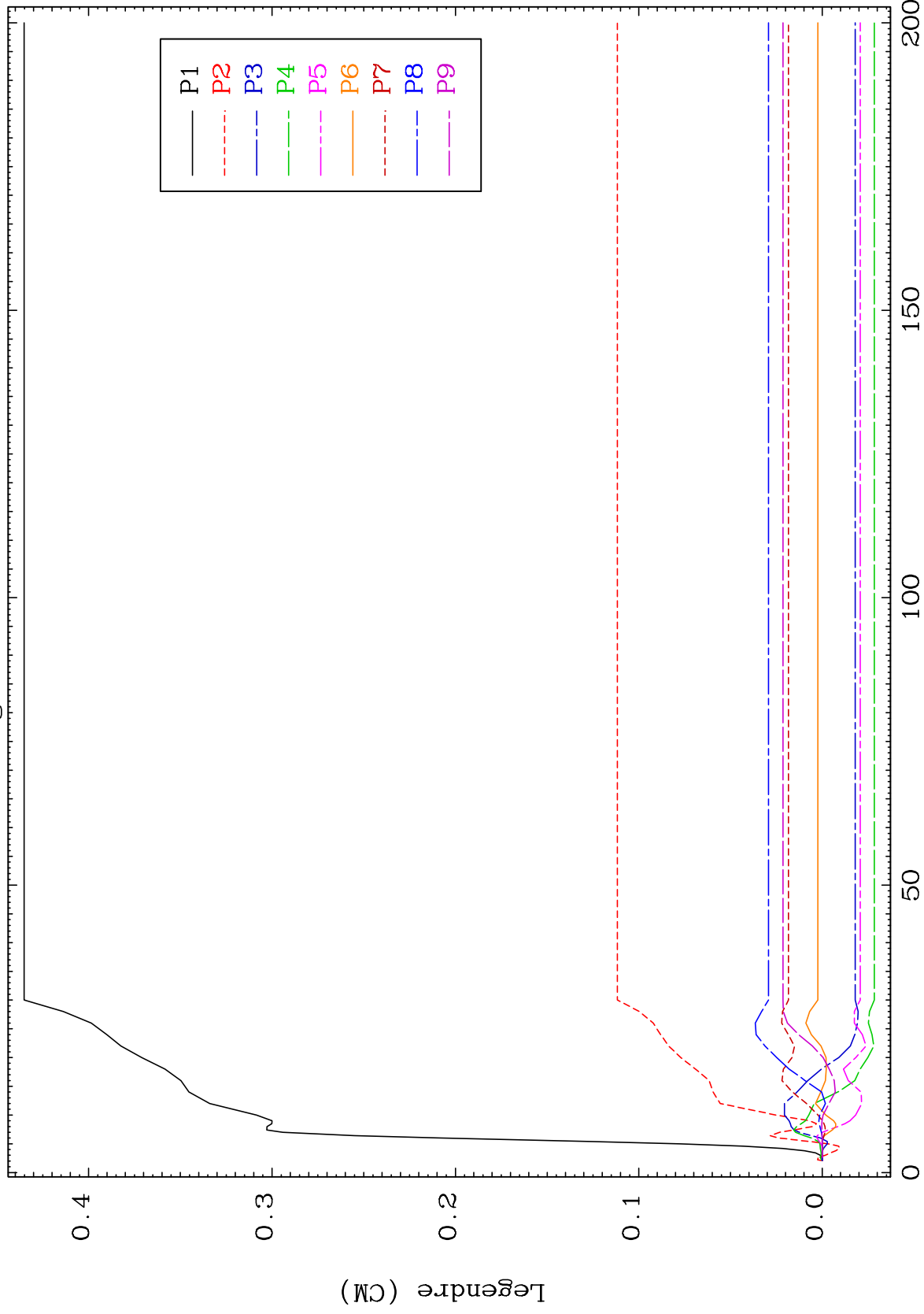




MAT 6489

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

65-Tb-147



65-Tb-147

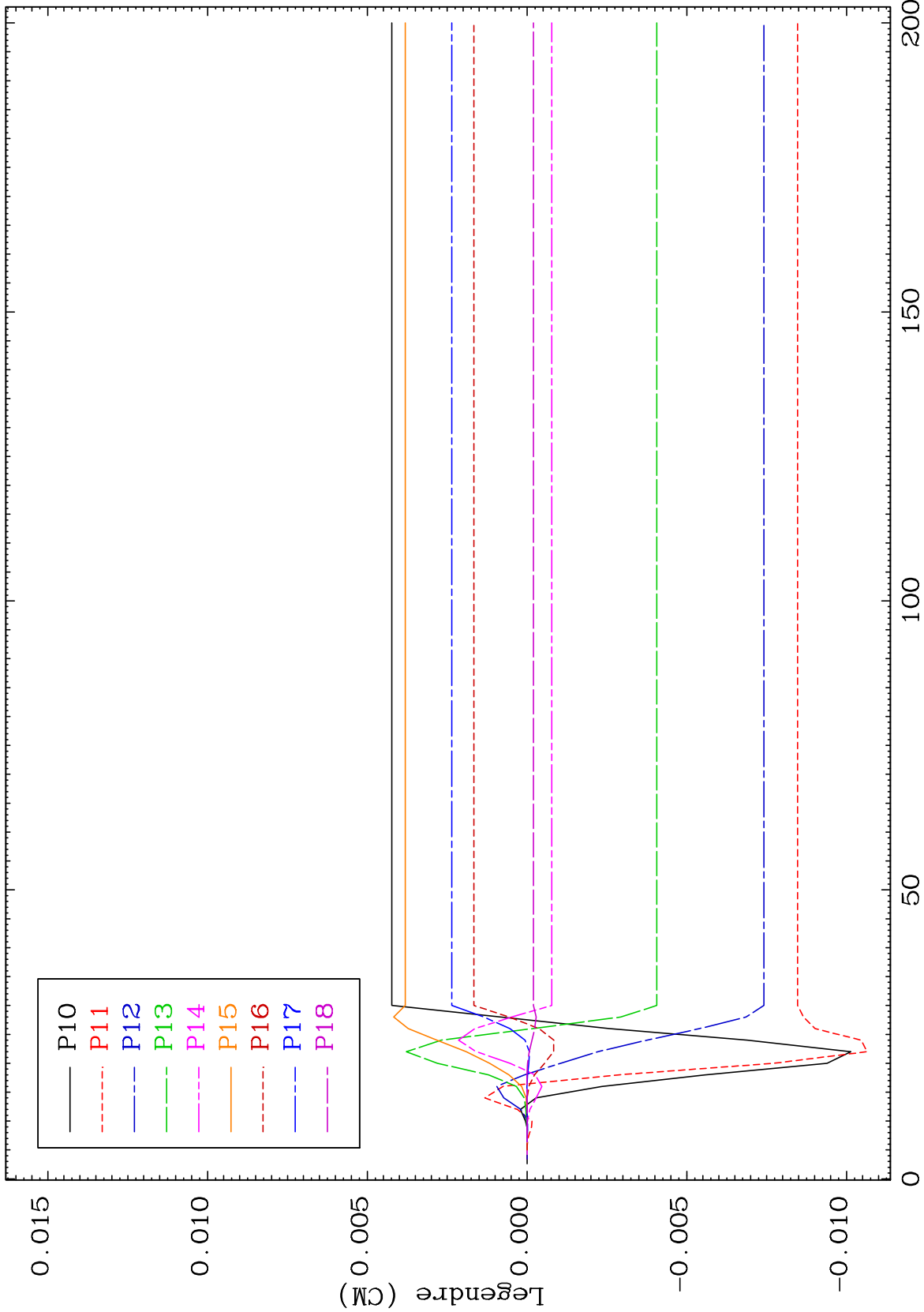
Incident Energy (MeV)

106

MAT 6489

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

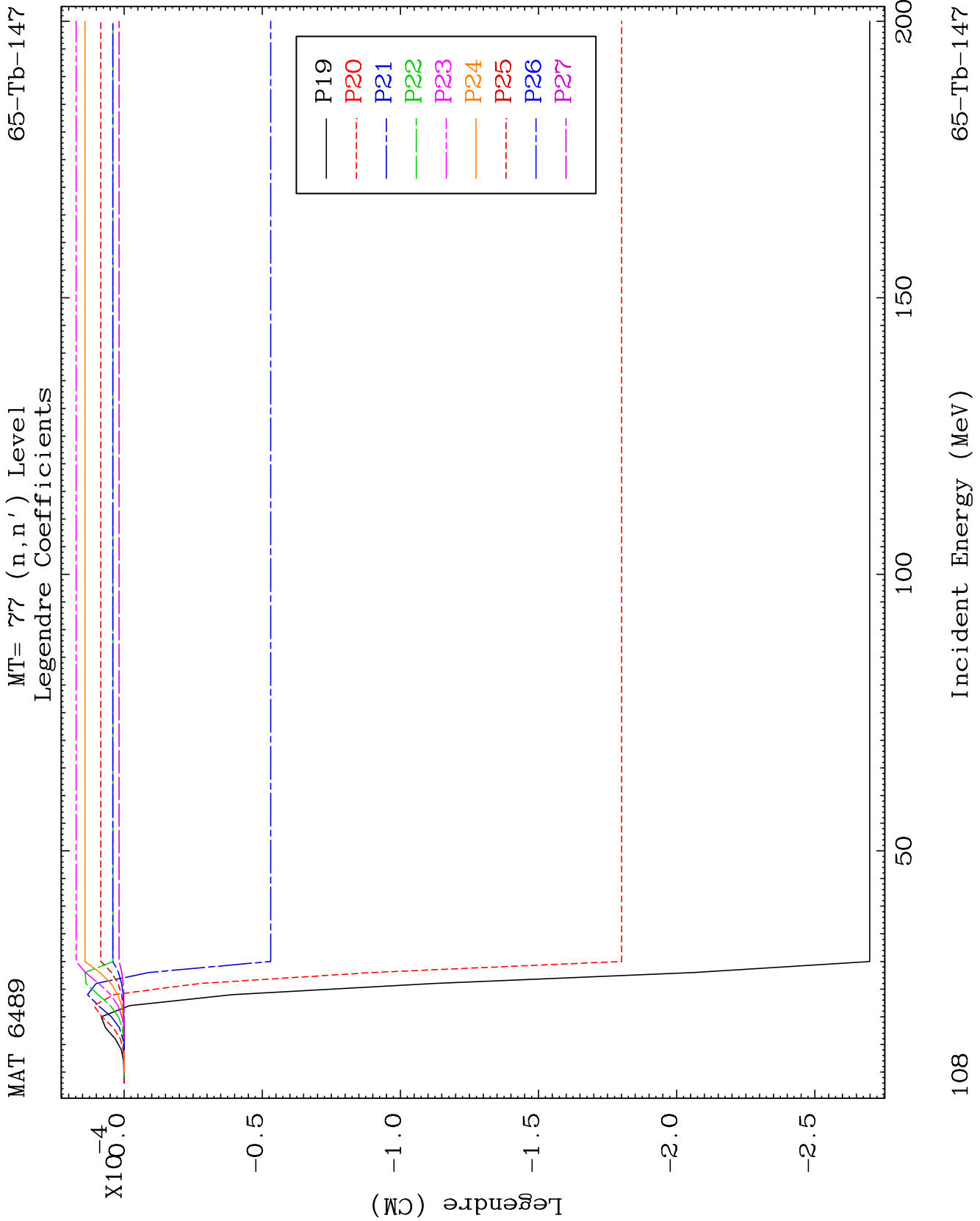
65-Tb-147



107

Incident Energy (MeV)

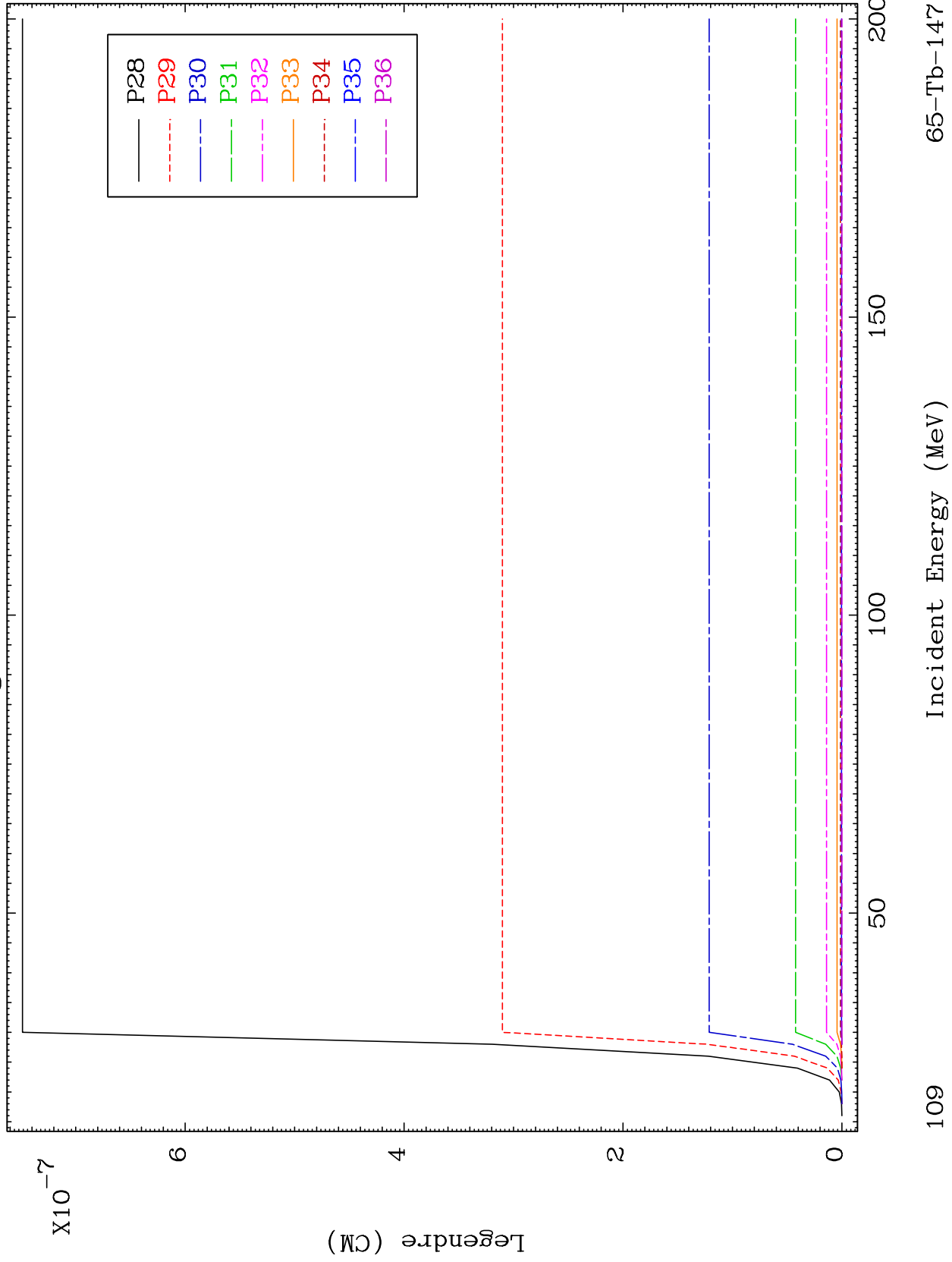
65-Tb-147



MAT 6489

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

65-Tb-147



109

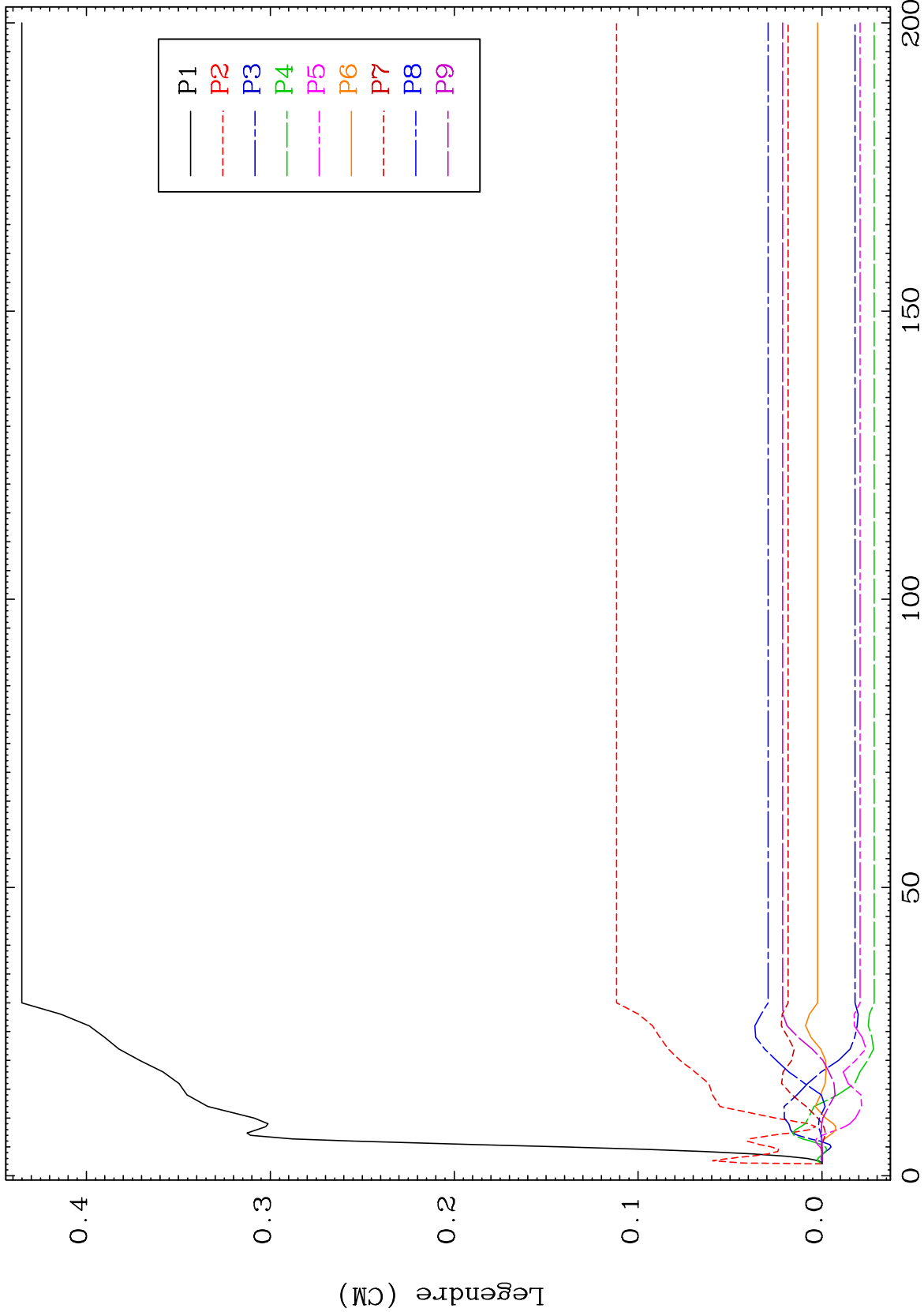
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

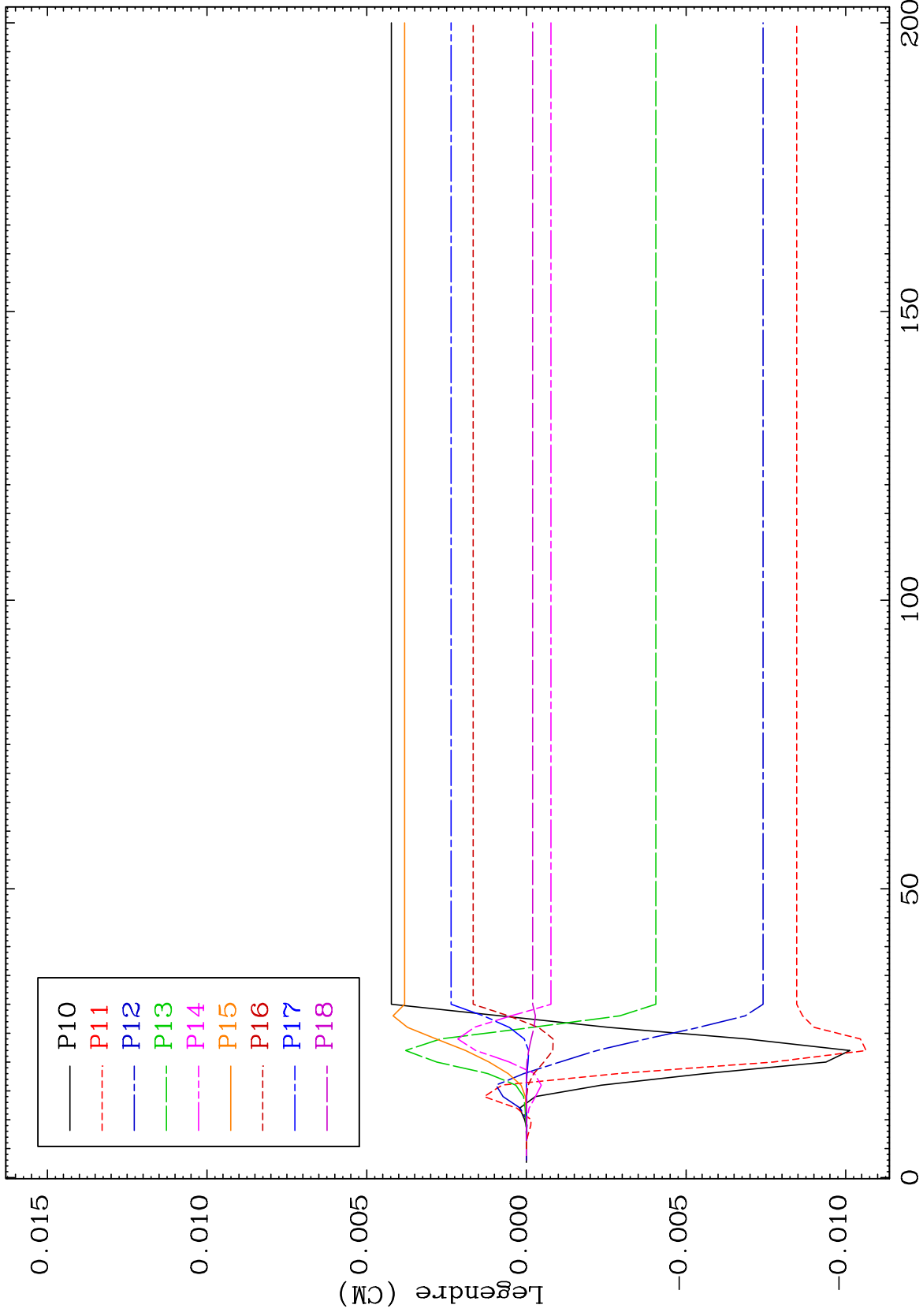
65-Tb-147

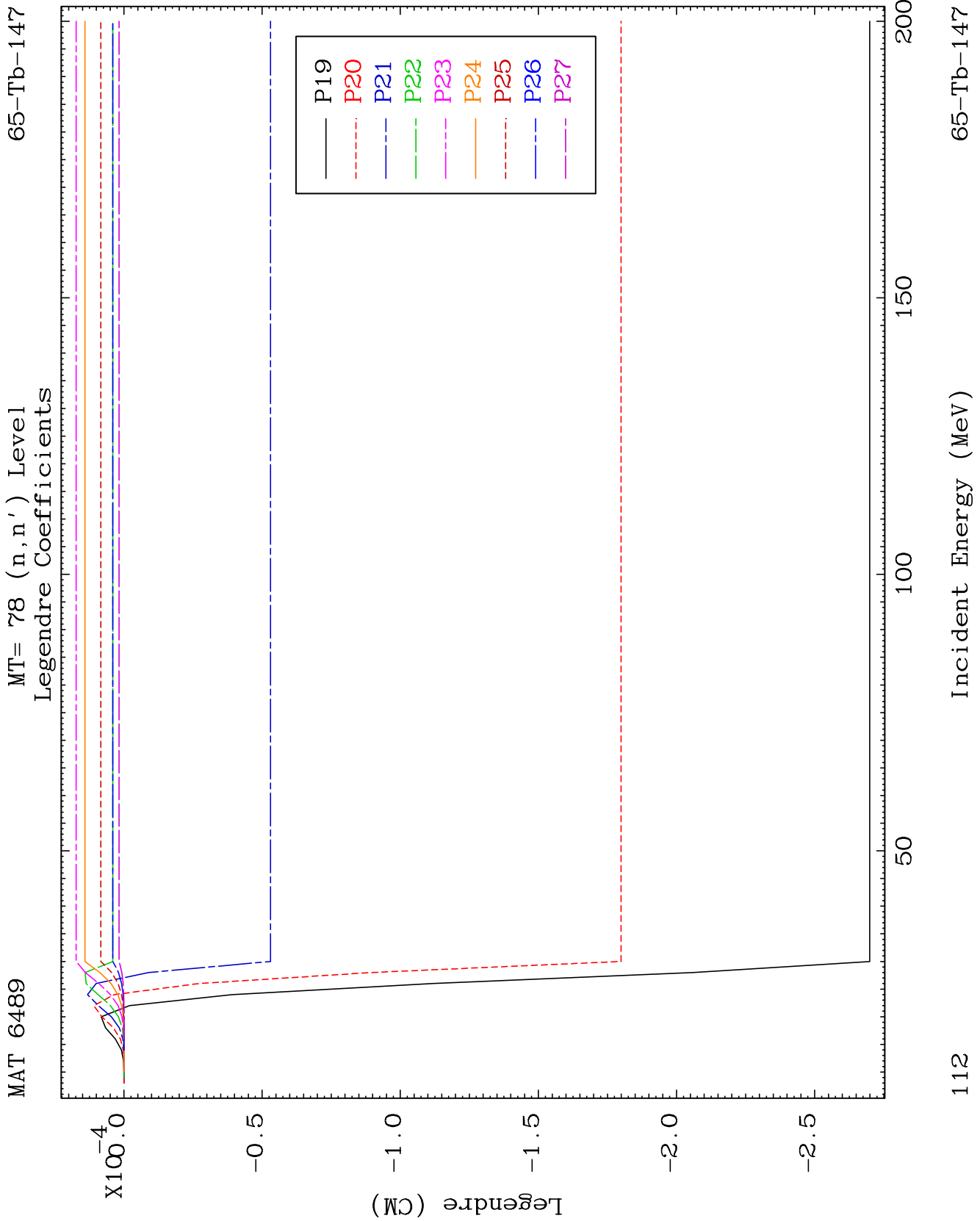


65-Tb-147

Incident Energy (MeV)

110

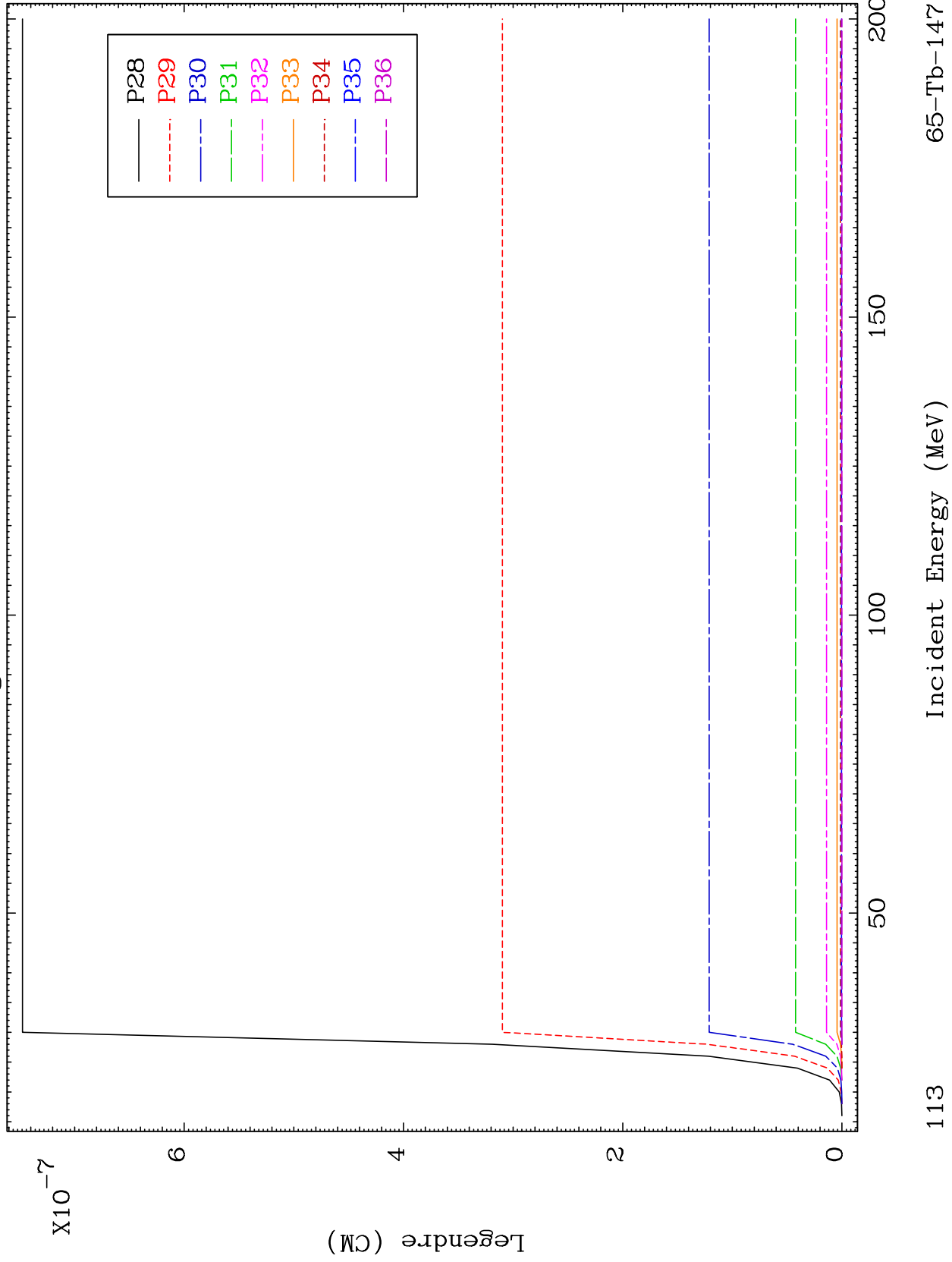




MAT 6489

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

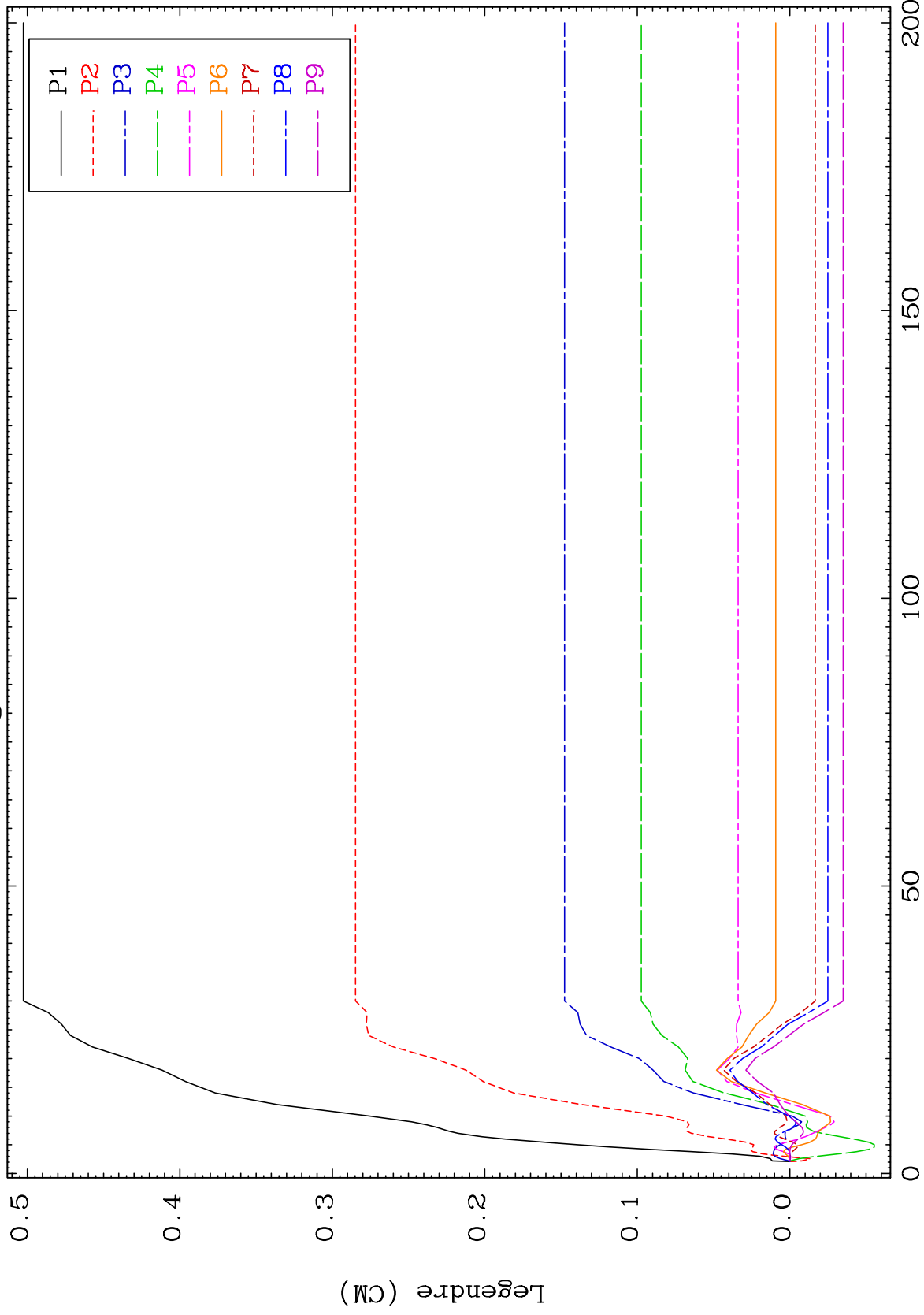
65-Tb-147



MAT 6489

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

65-Tb-147



114

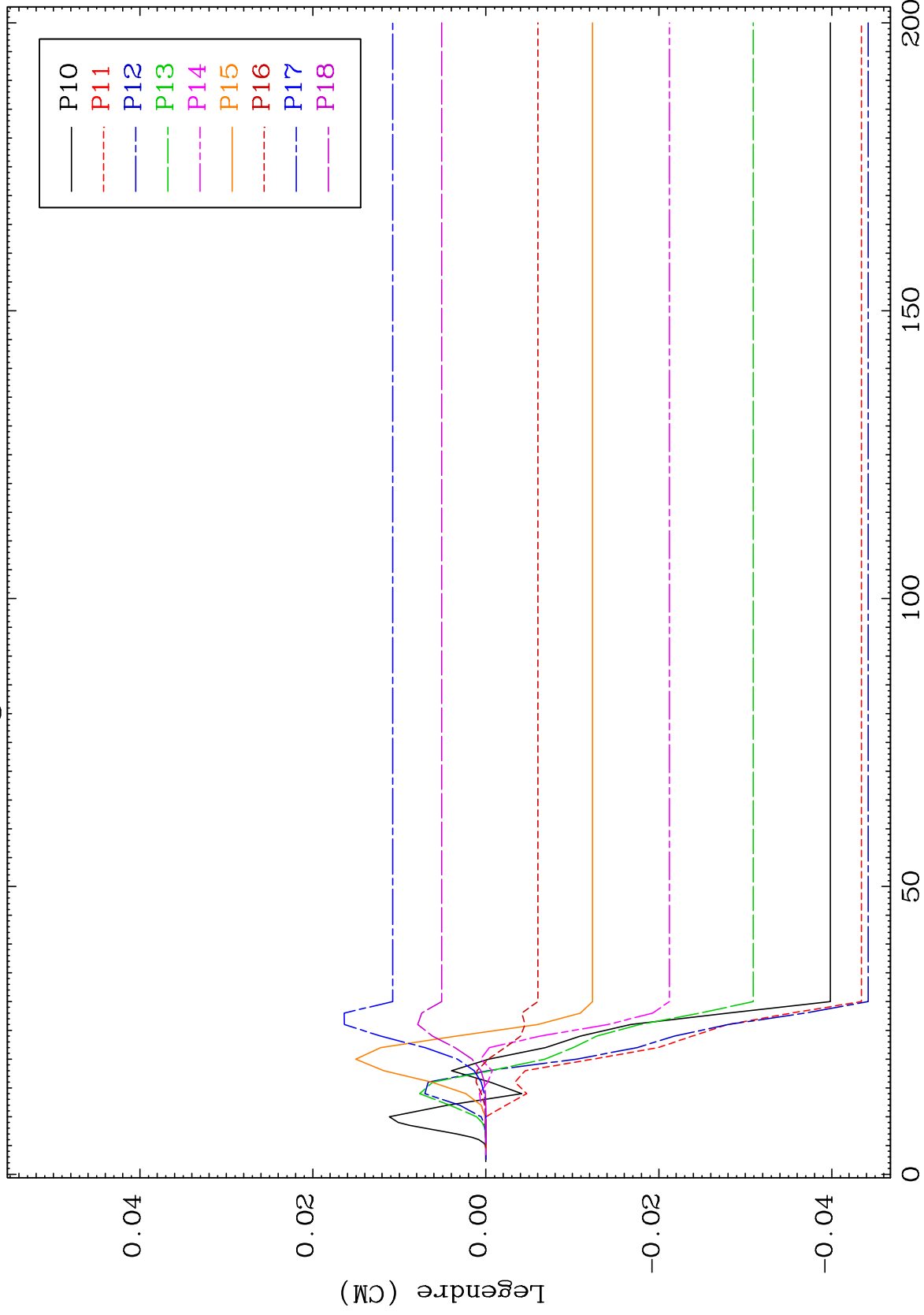
Incident Energy (MeV)

65-Tb-147

MAT 6489

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

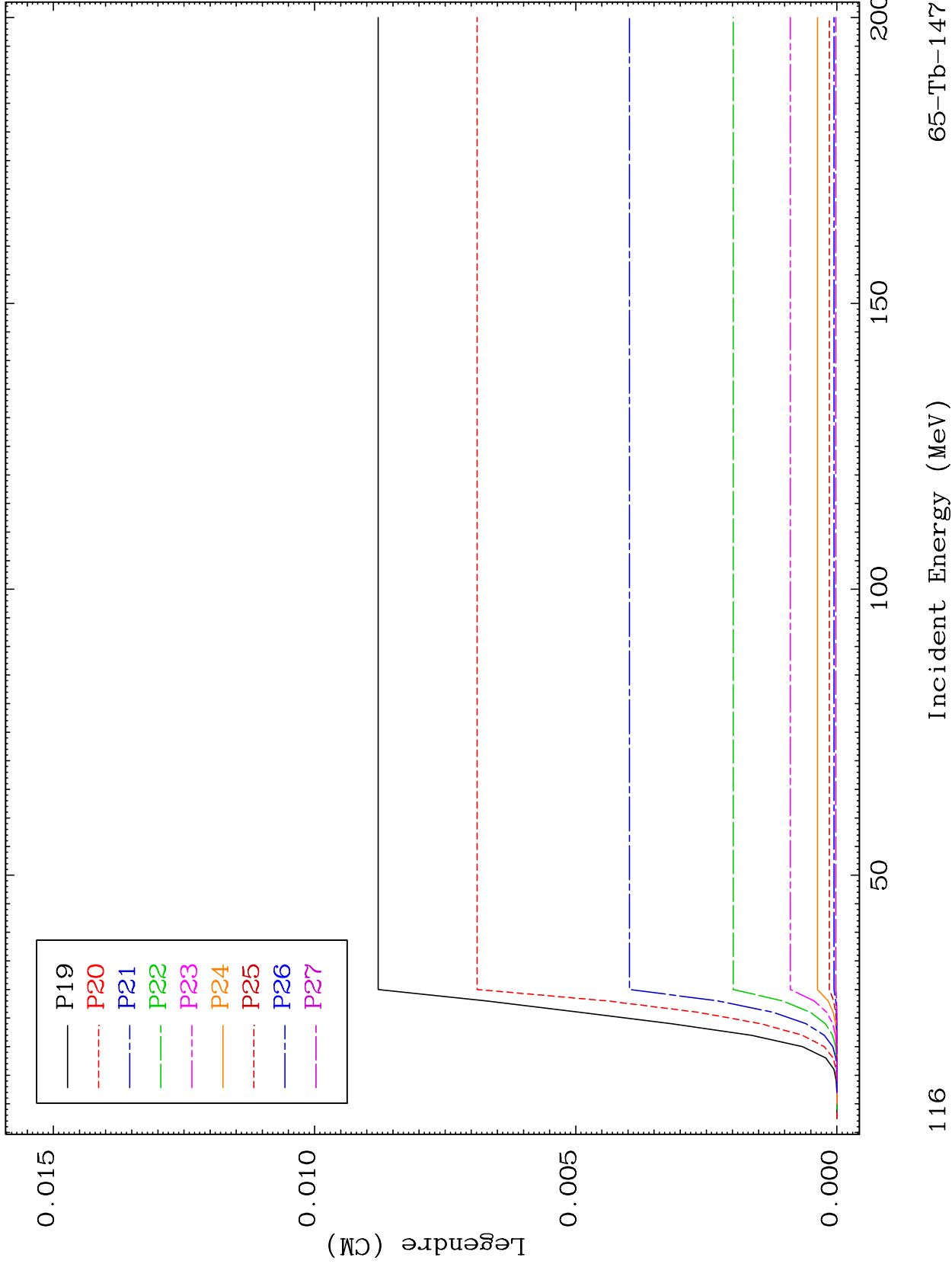
65-Tb-147



115

Incident Energy (MeV)

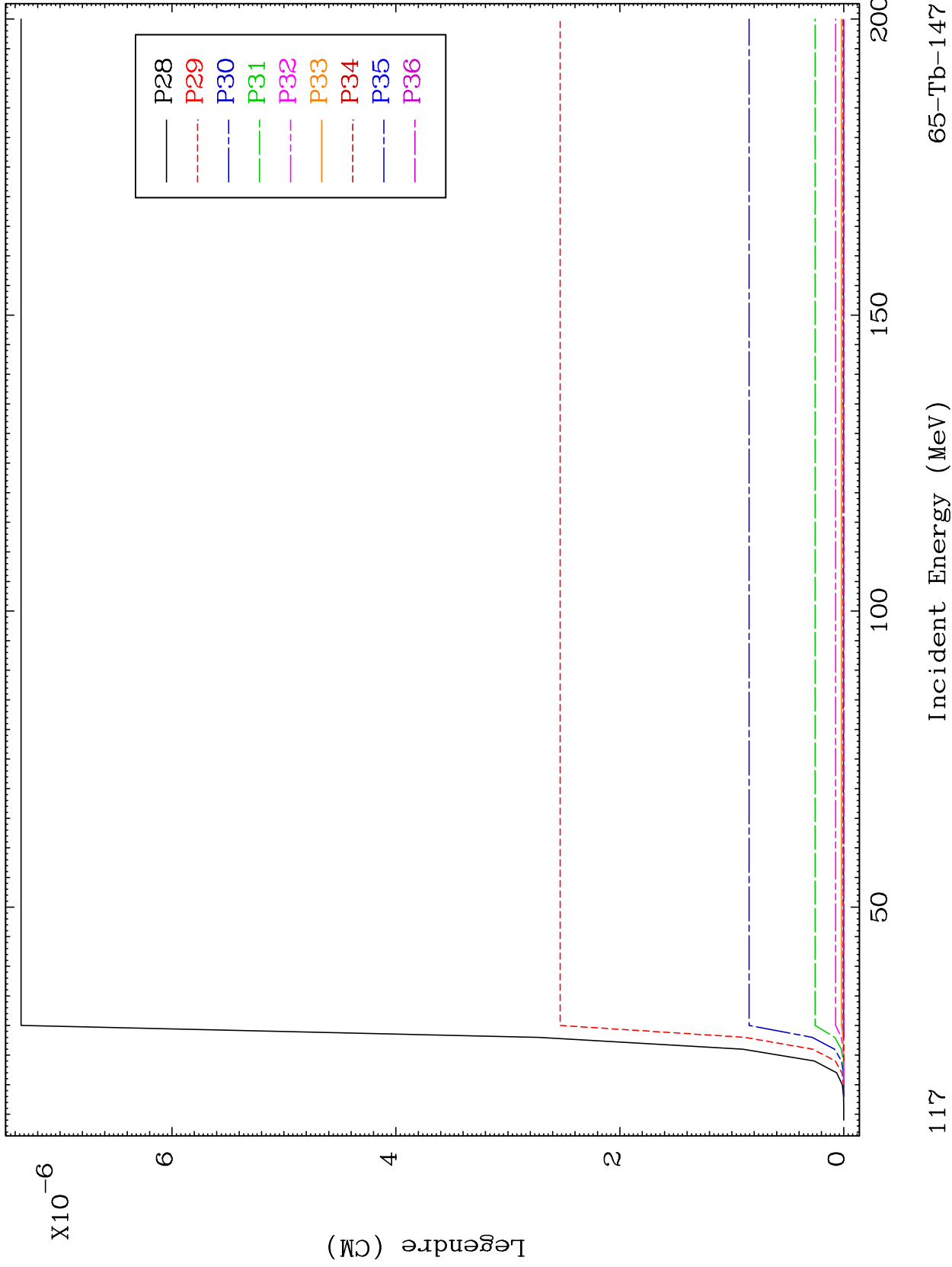
65-Tb-147



MAT 6489

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

65-Tb-147



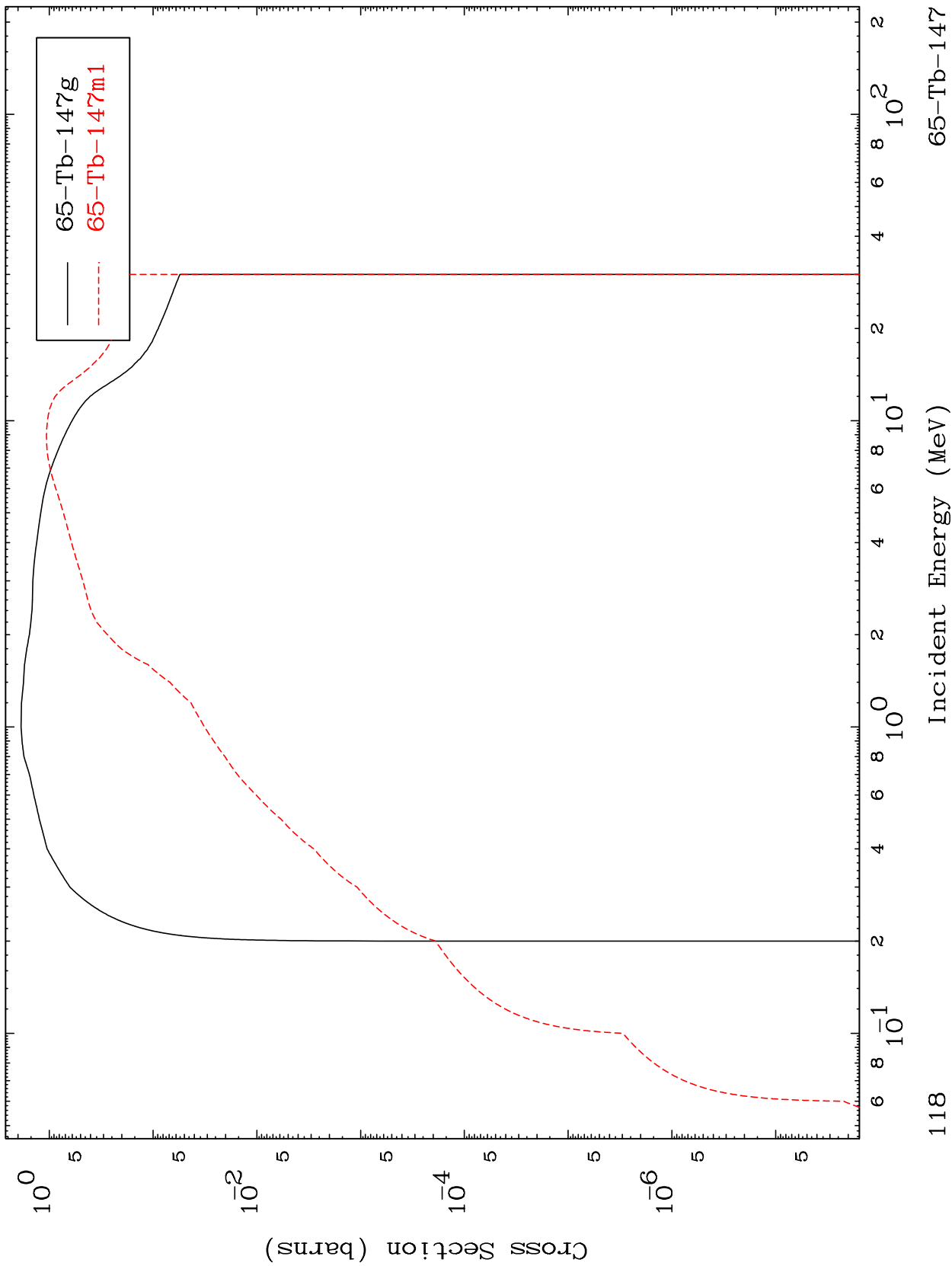
117

65-Tb-147

MAT 6489

65-Tb-147

Inelastic
Radionuclide Production Cross Section



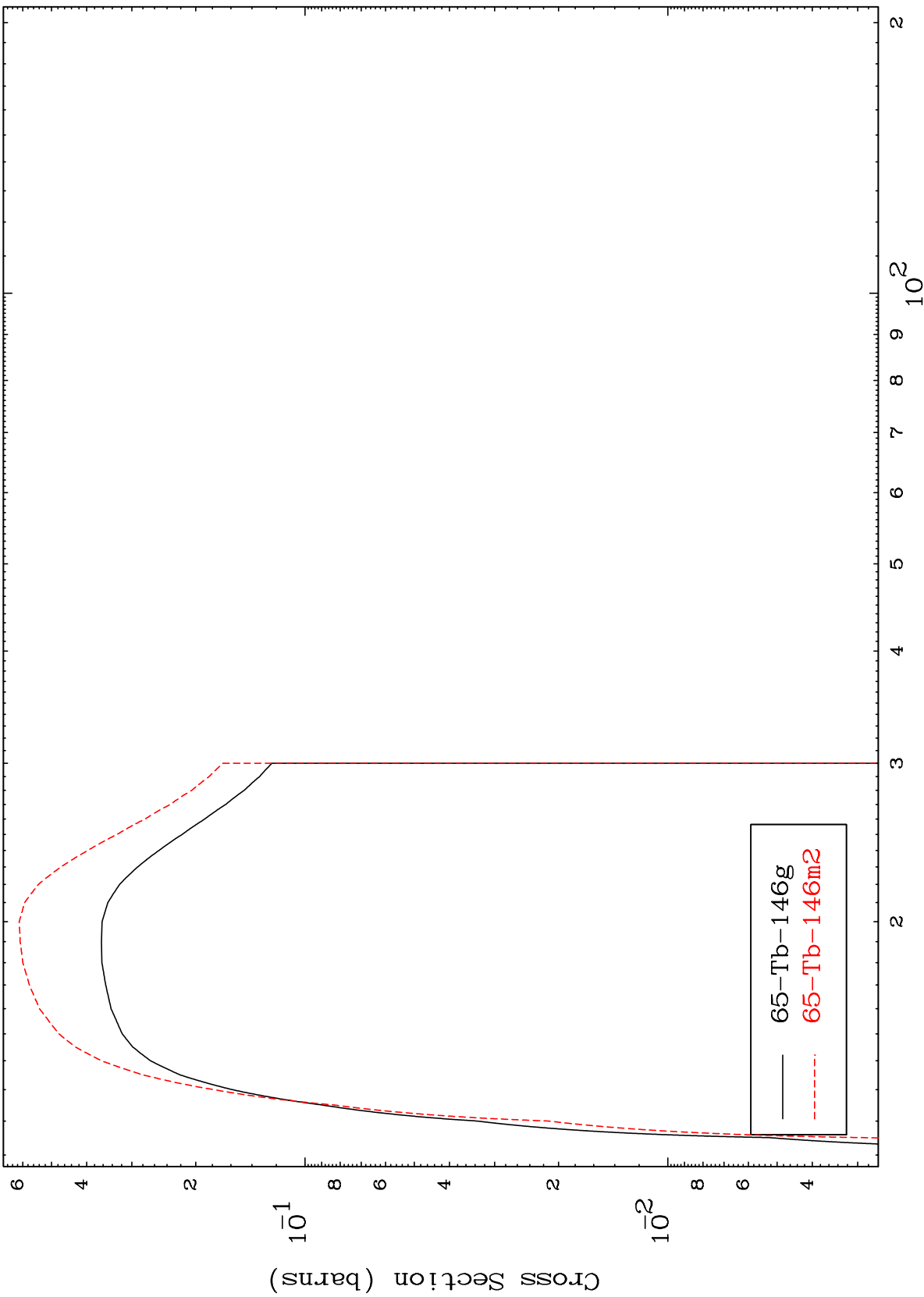
118

65-Tb-147

MAT 6489

65-Tb-147

(n,2n)
Radionuclide Production Cross Section



119

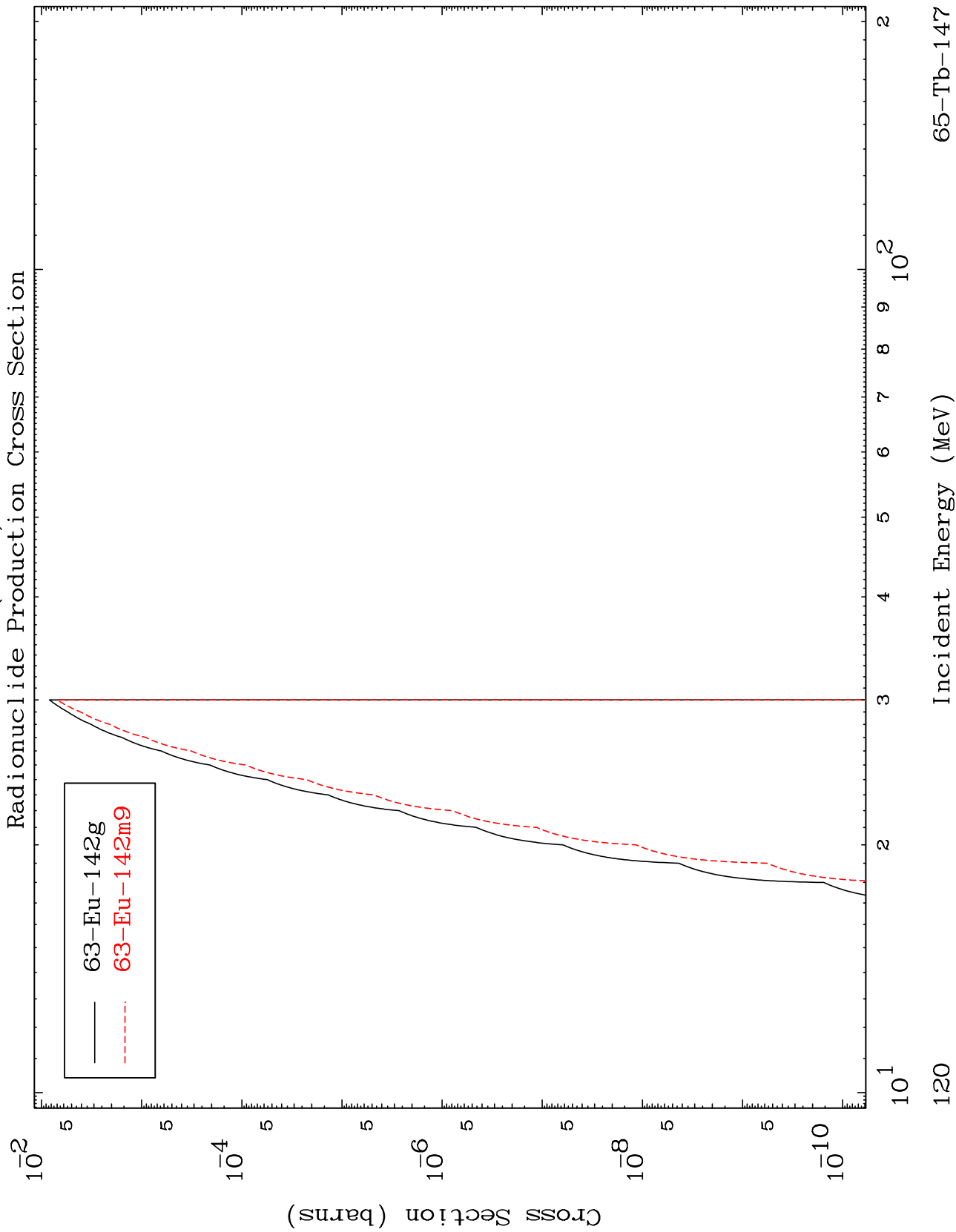
Incident Energy (MeV)

65-Tb-147

MAT 6489

(n,2n) α

65-Tb-147

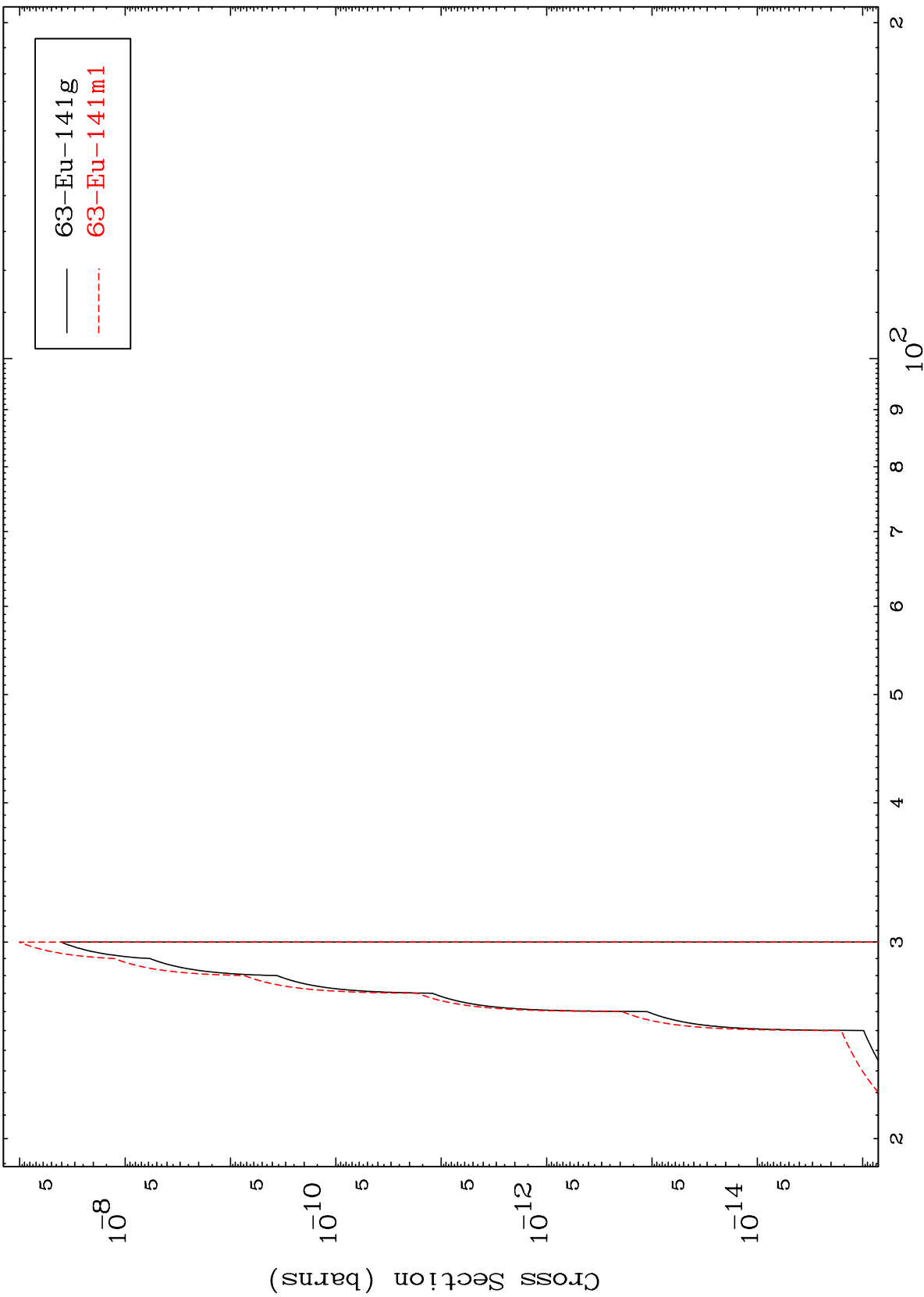


MAT 6489

(n,3n) α

65-Tb-147

Radionuclide Production Cross Section



121

Incident Energy (MeV)

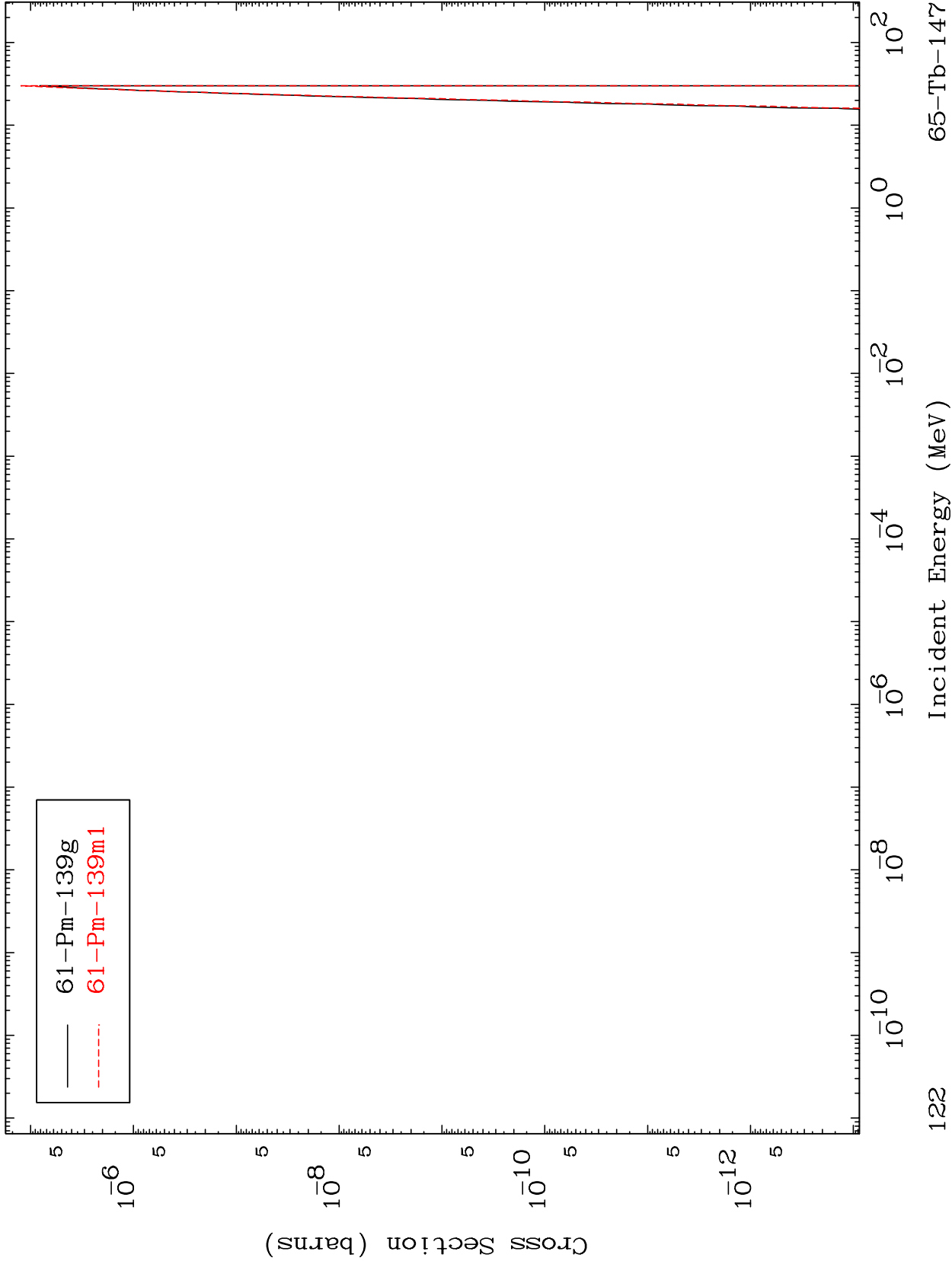
65-Tb-147

MAT 6489

(n,n') 2α

65-Tb-147

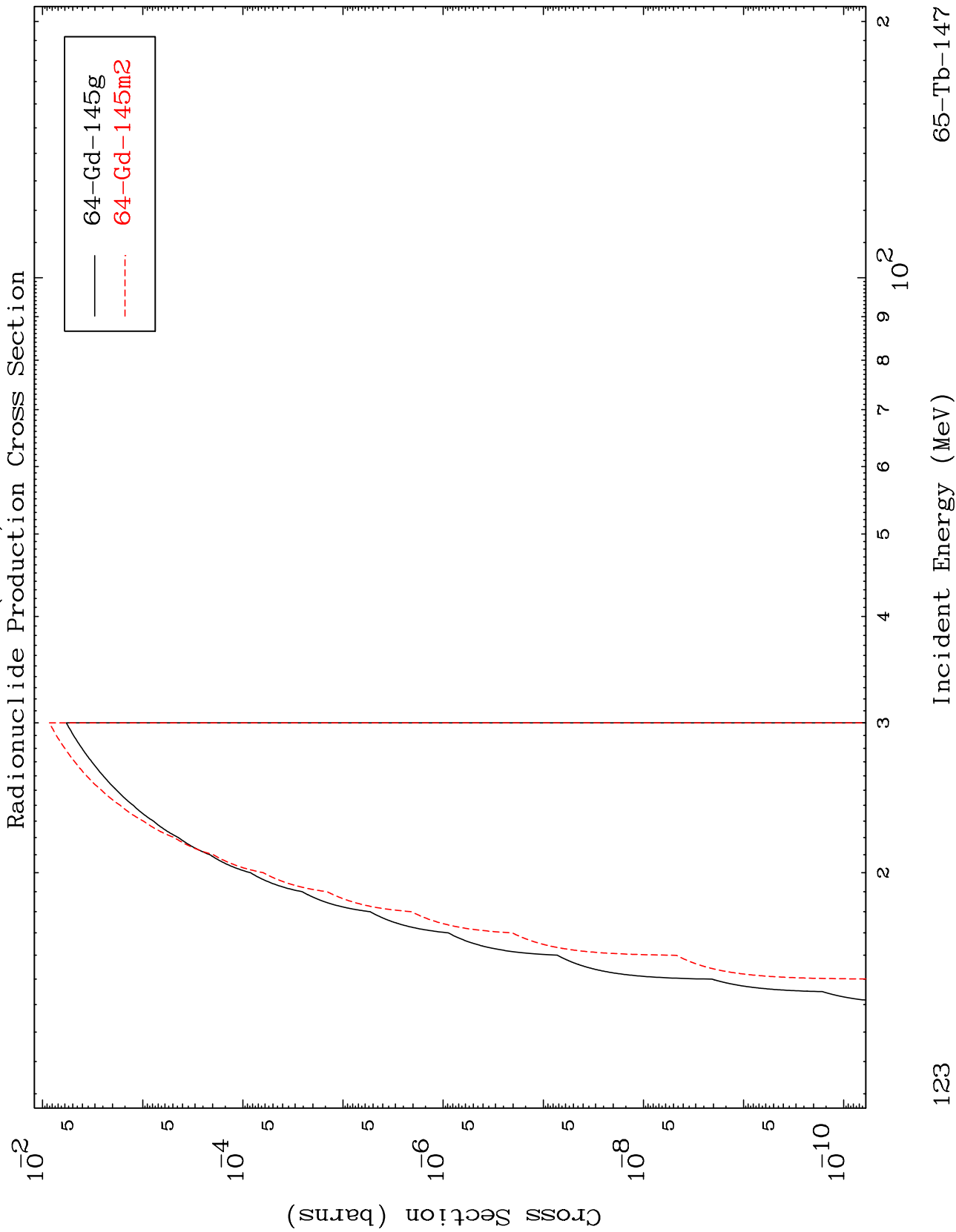
Radionuclide Production Cross Section



MAT 6489

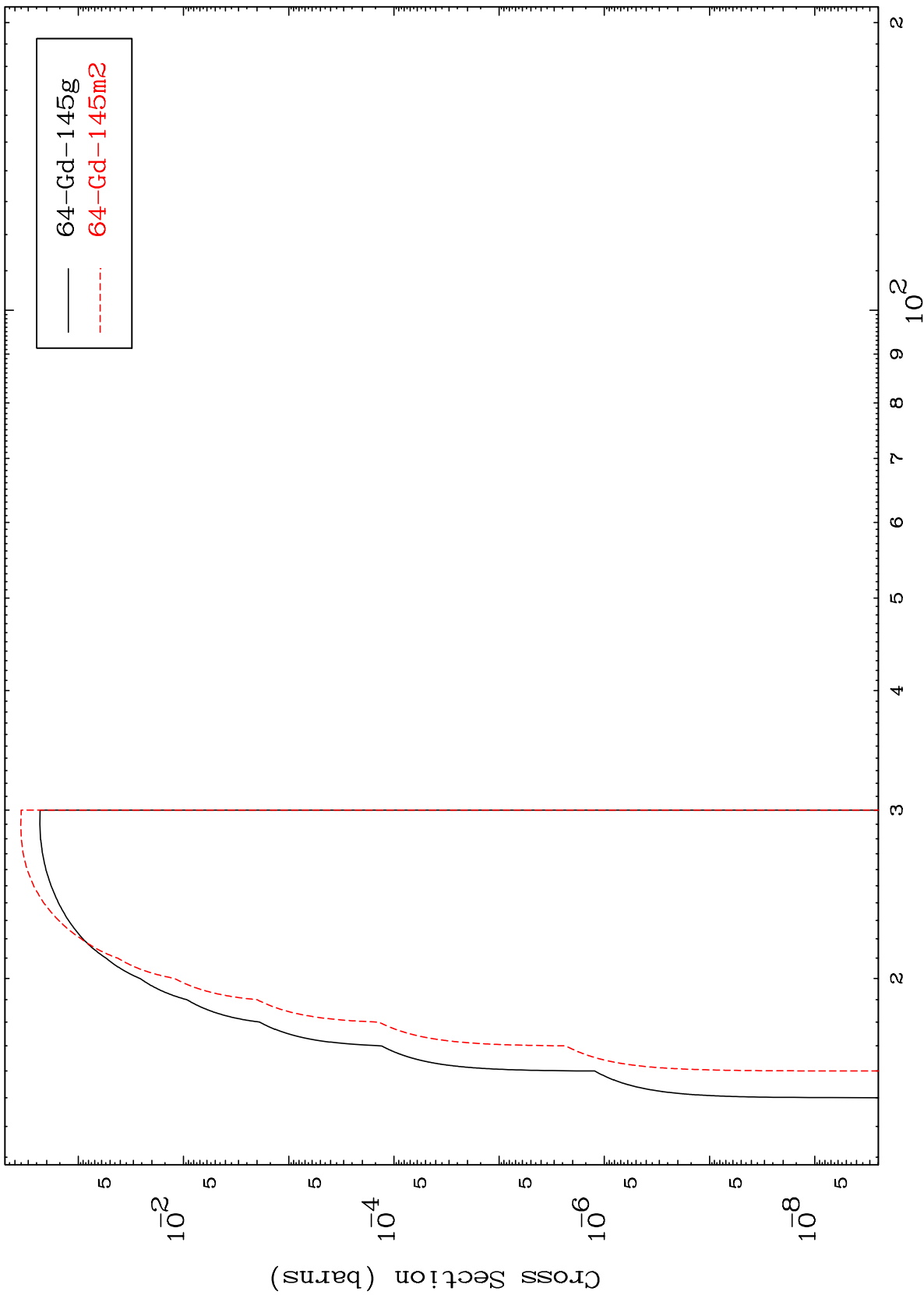
(n,n') d

65-Tb-147



123

Radionuclide Production Cross Section

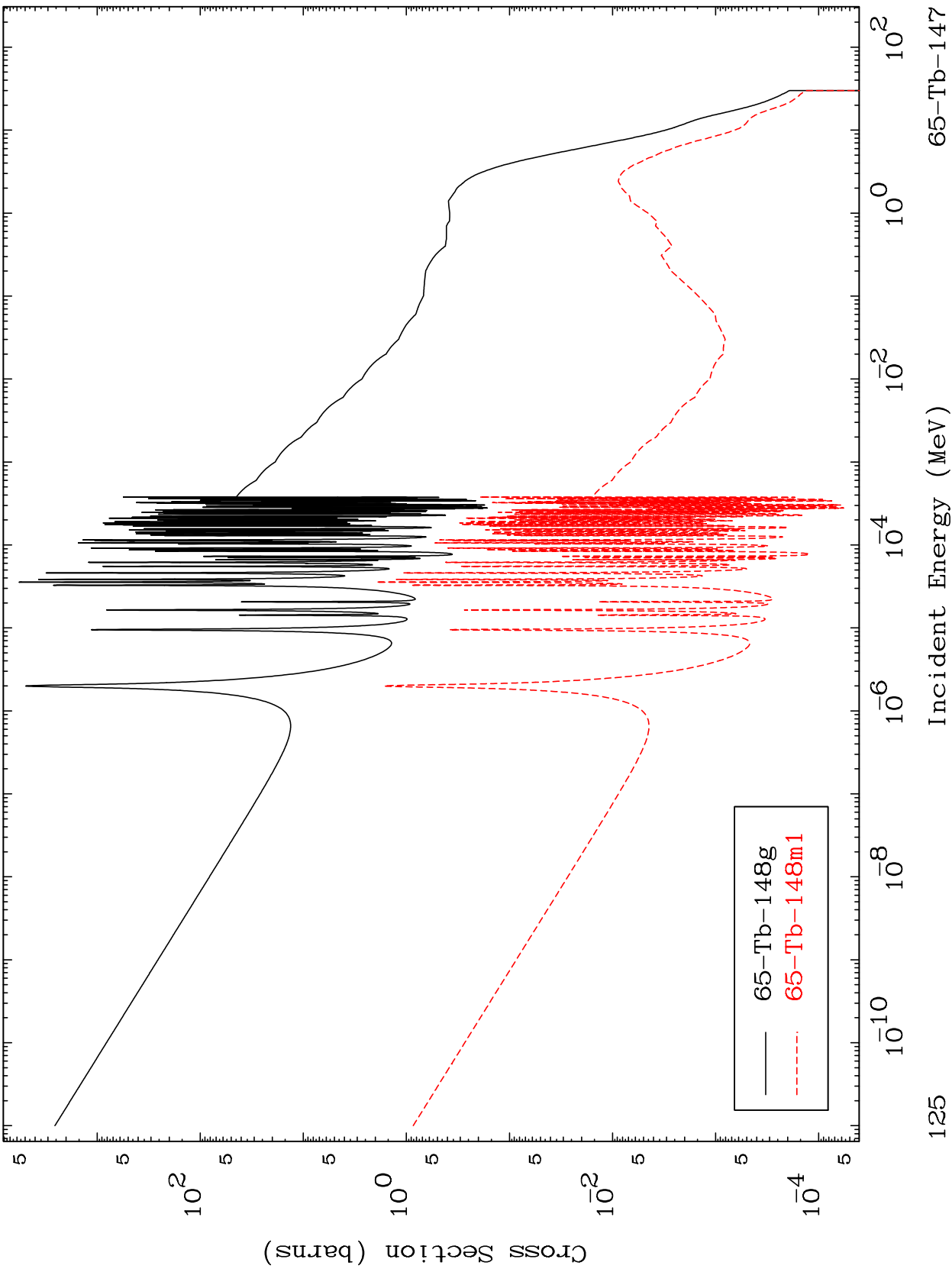


64-Gd-145g
64-Gd-145m2

MAT 6489

65-Tb-147

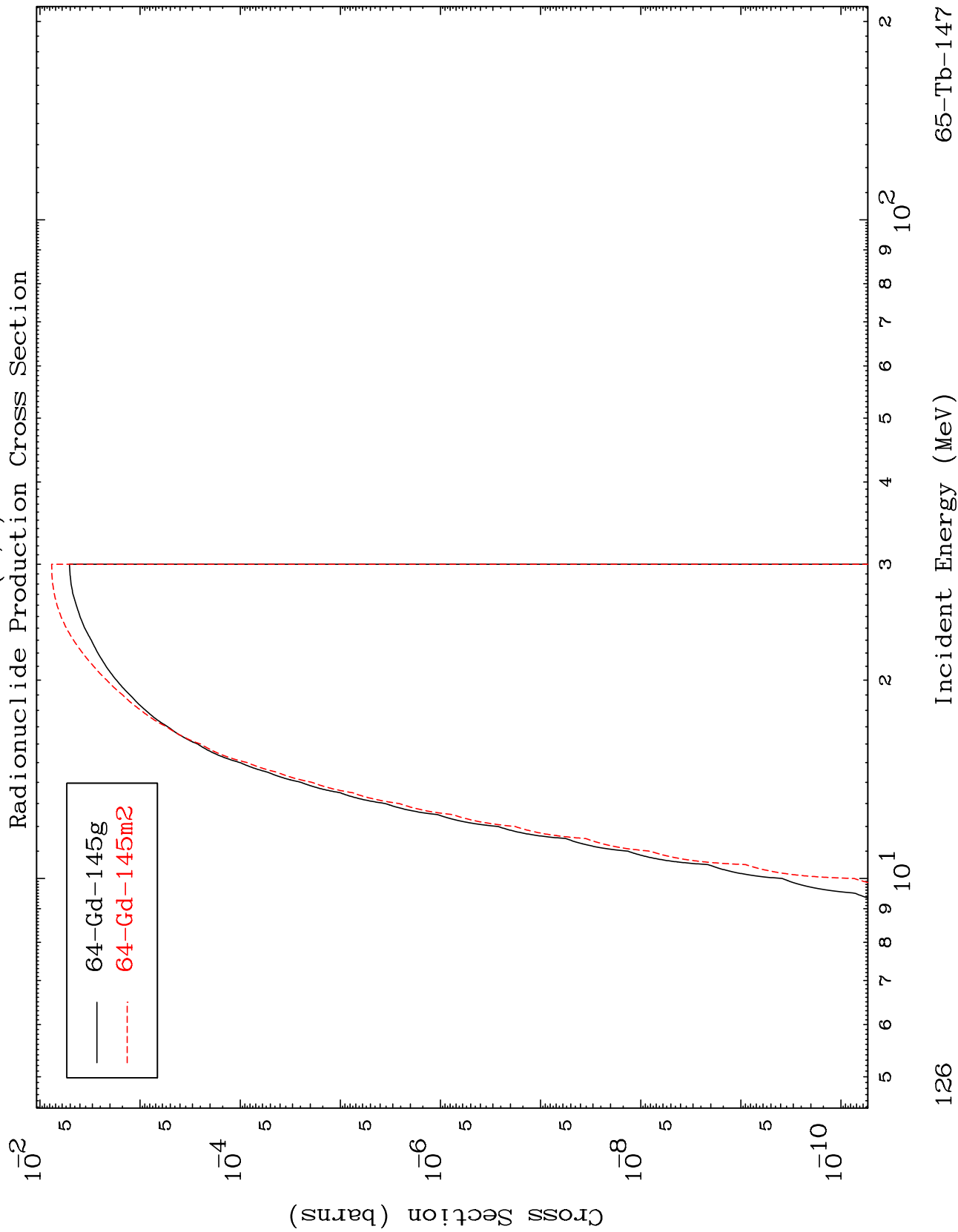
(n, γ)
Radionuclide Production Cross Section



125

MAT 6489

65-Tb-147



126

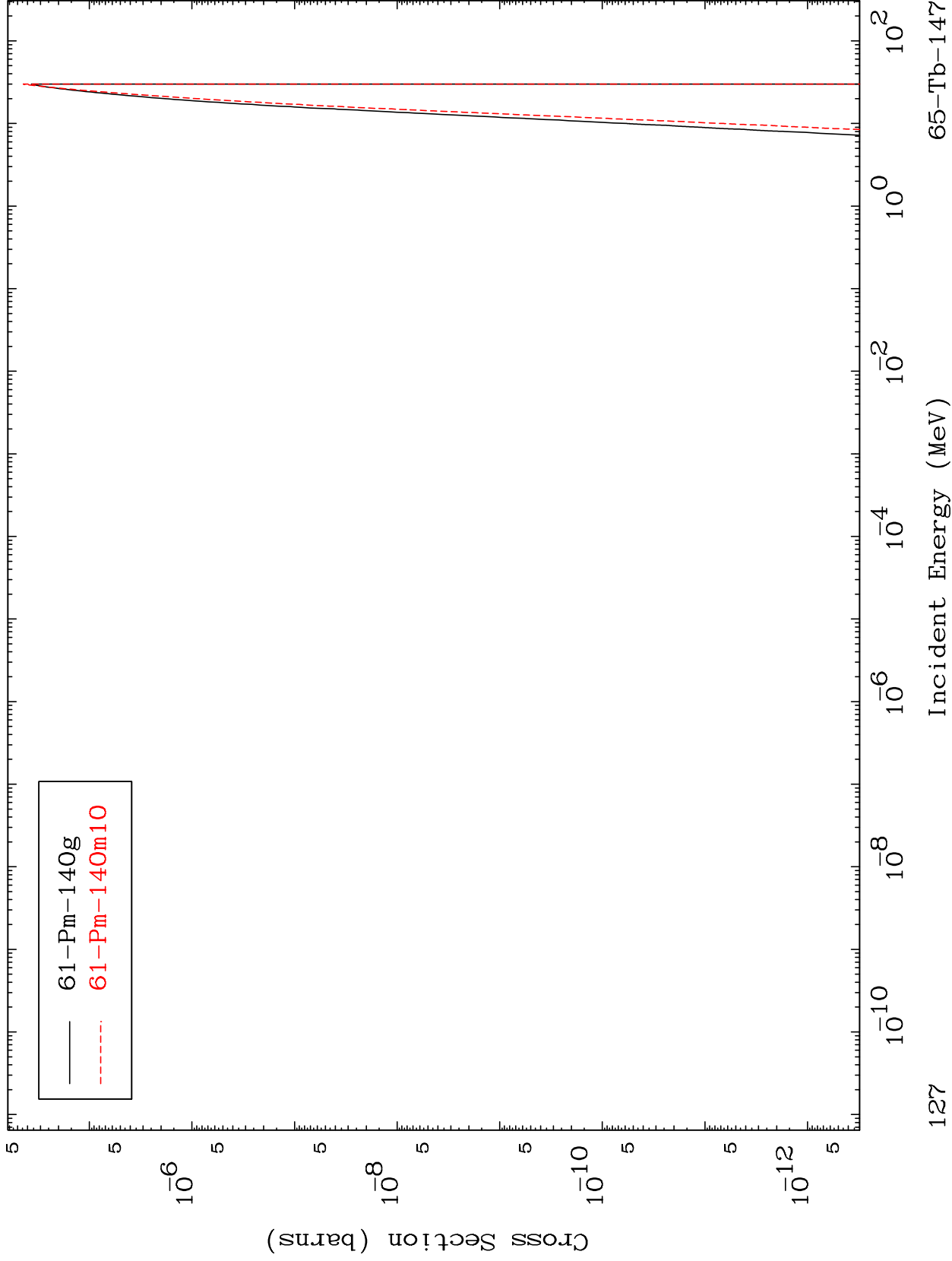
65-Tb-147

MAT 6489

(n,2α)

65-Tb-147

Radionuclide Production Cross Section



127

MAT 6489

(n,p) α

65-Tb-147

Radionuclide Production Cross Section

