

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

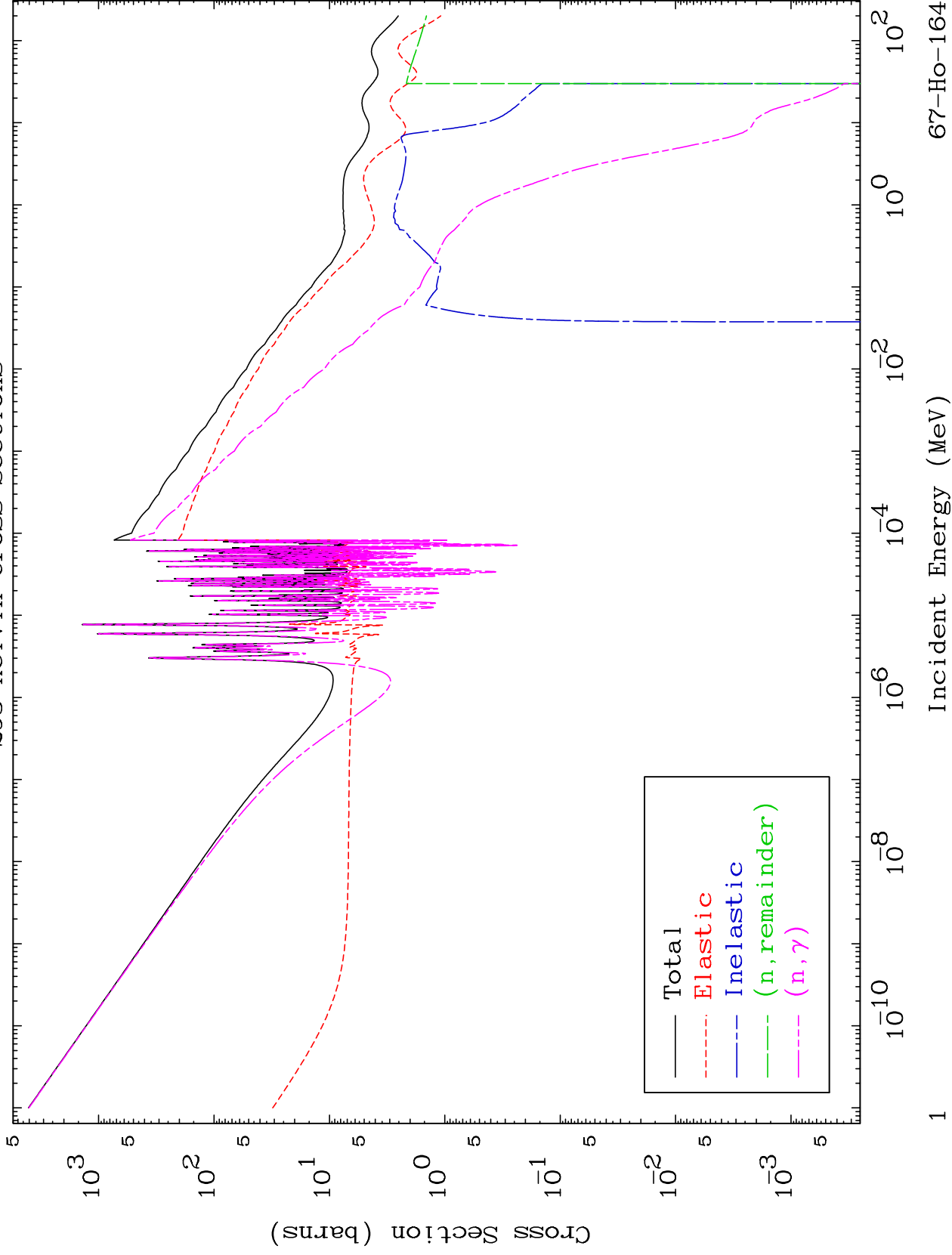
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6722

Major
293 Kelvin Cross Sections

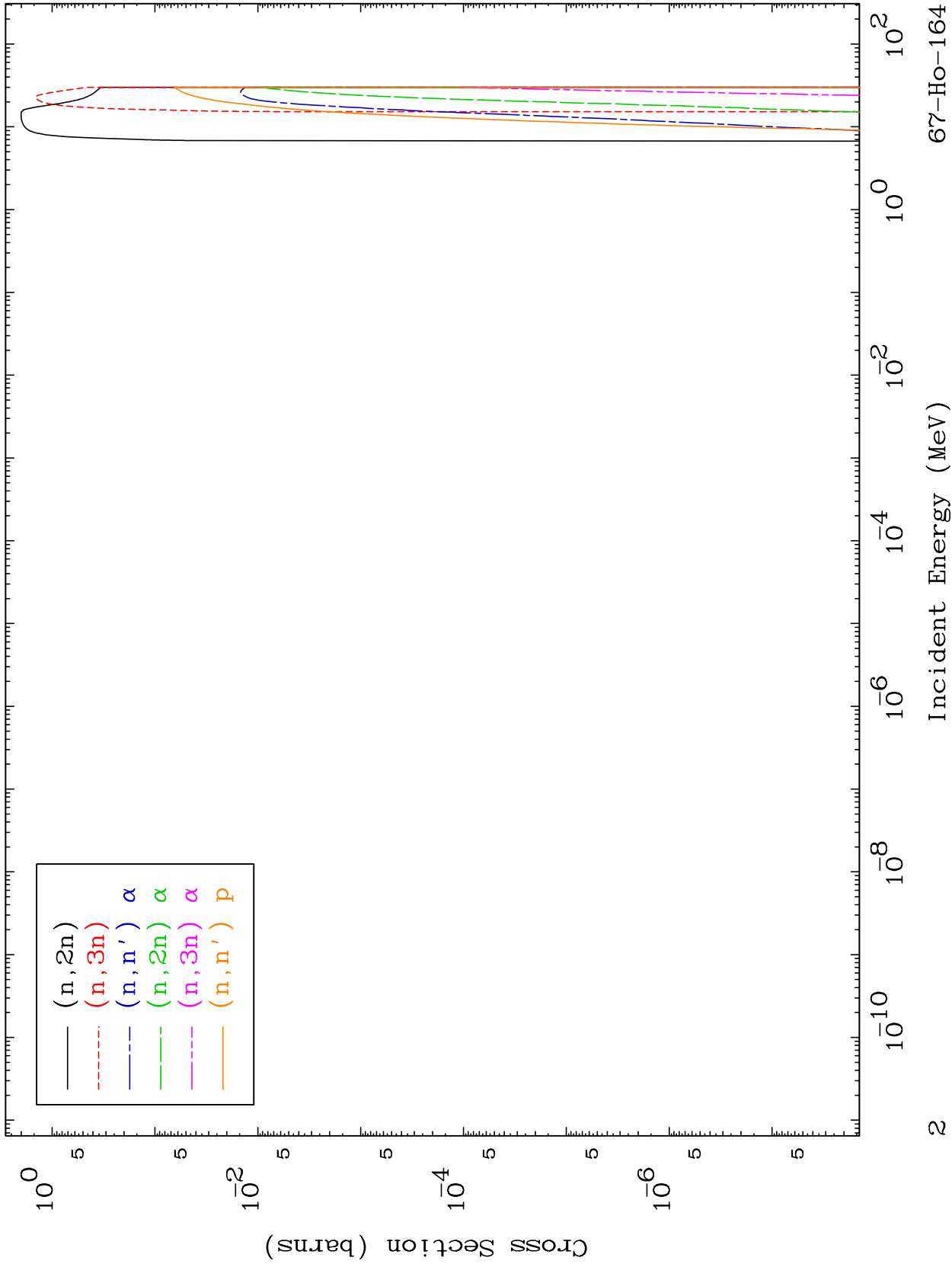
67-Ho-164



MAT 6722

Neutron Production
293 Kelvin Cross Sections

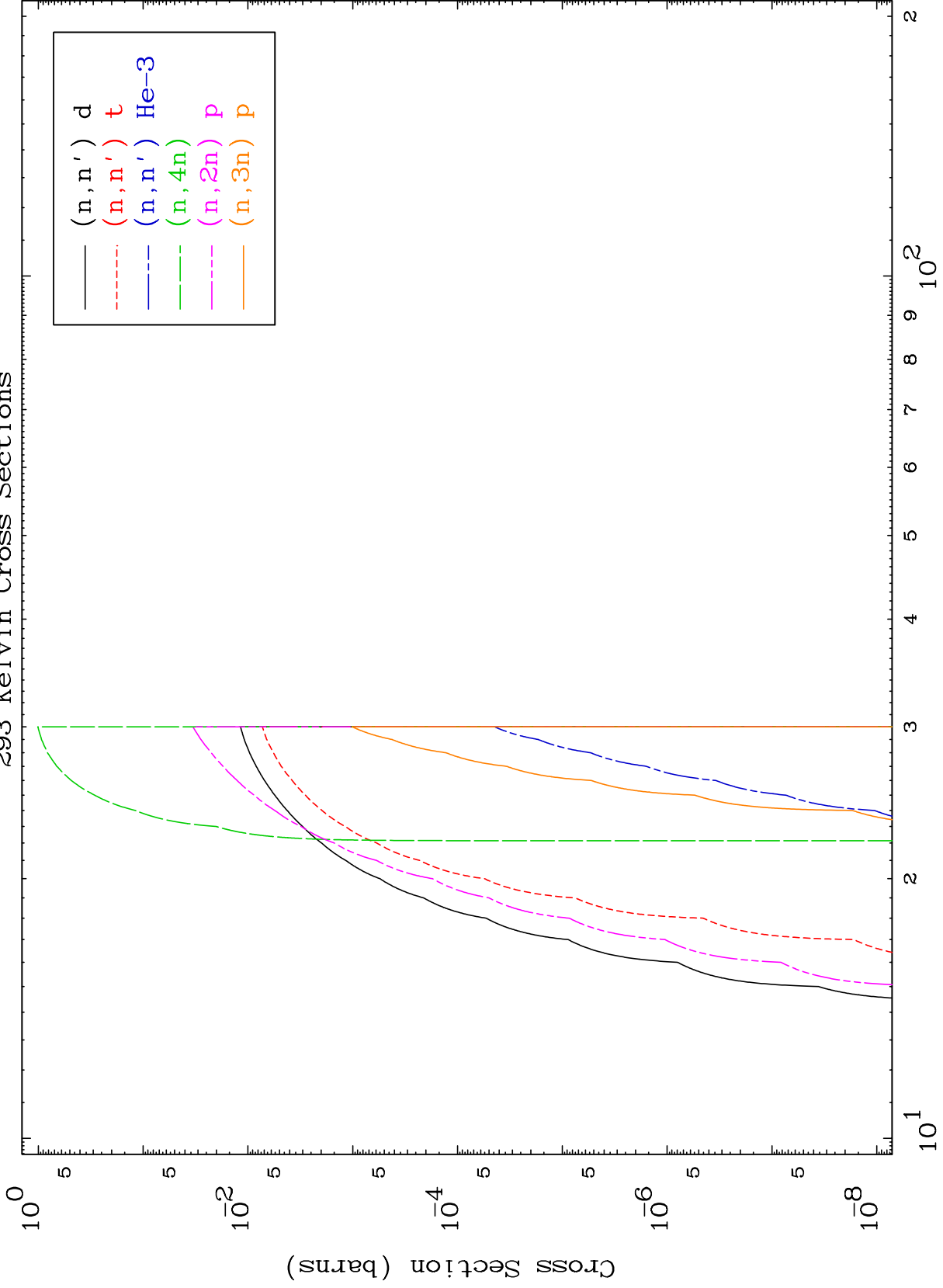
67-Ho-164



MAT 6722

Neutron Production
293 Kelvin Cross Sections

67-Ho-164



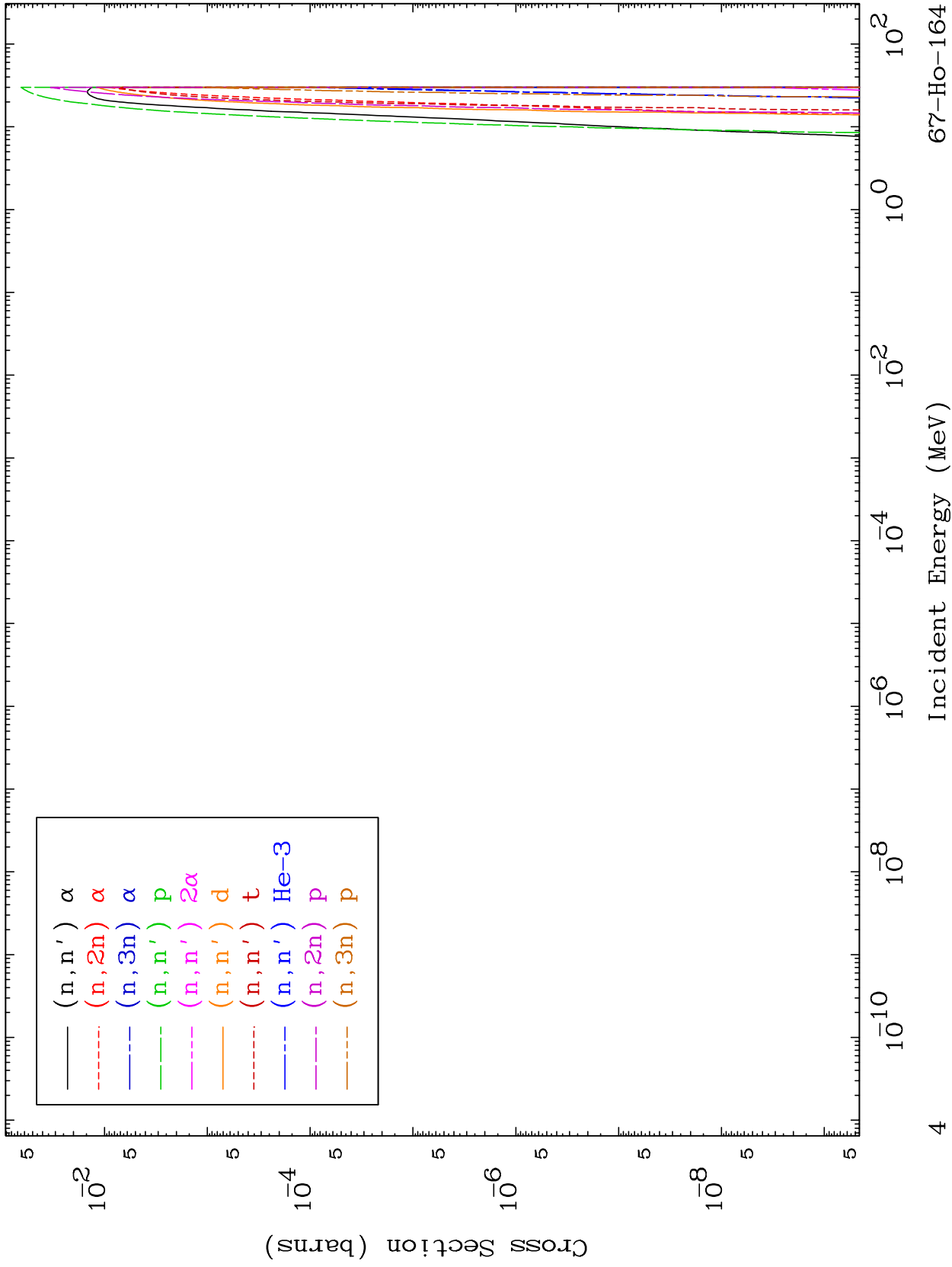
Incident Energy (MeV)

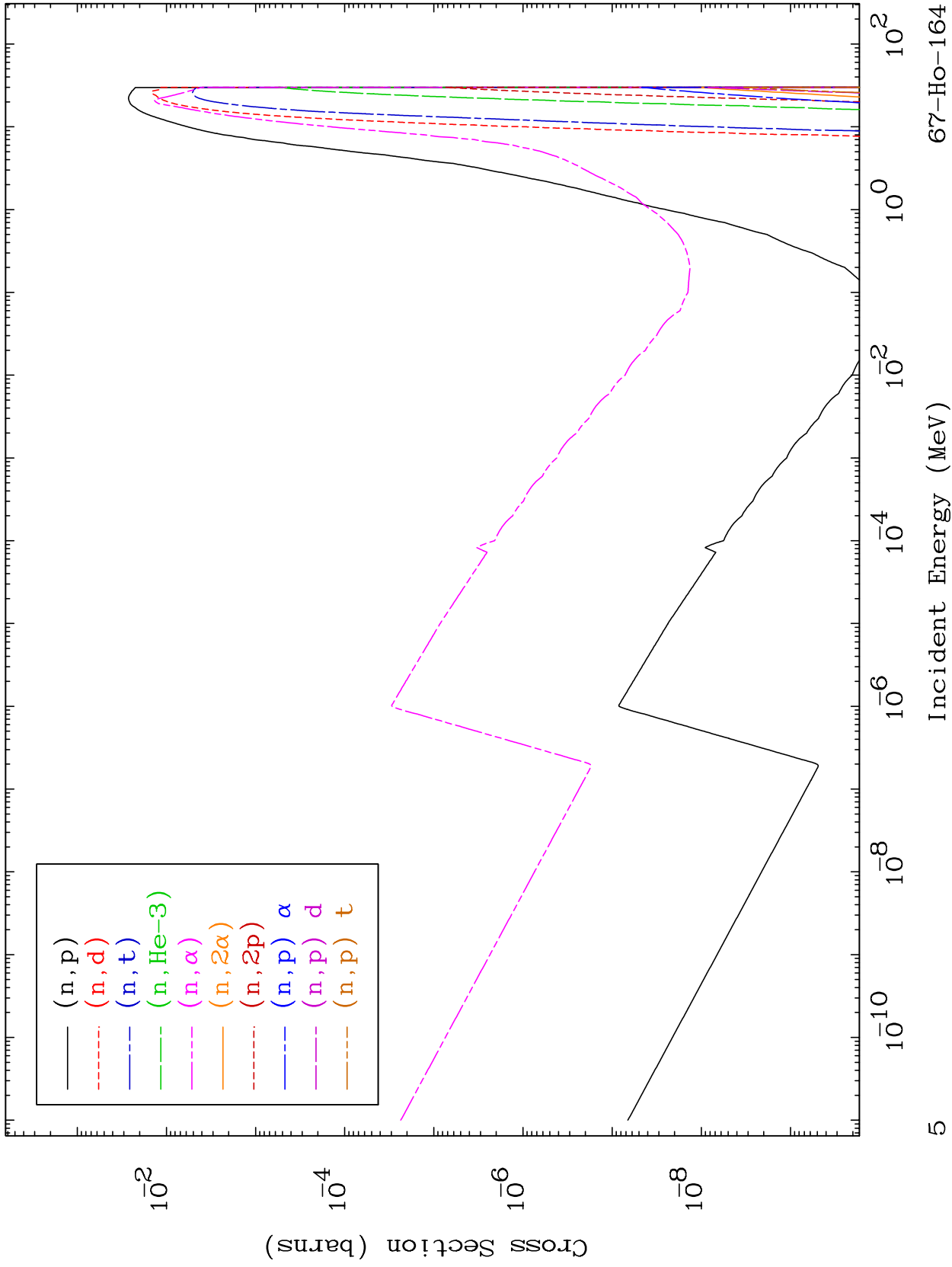
67-Ho-164

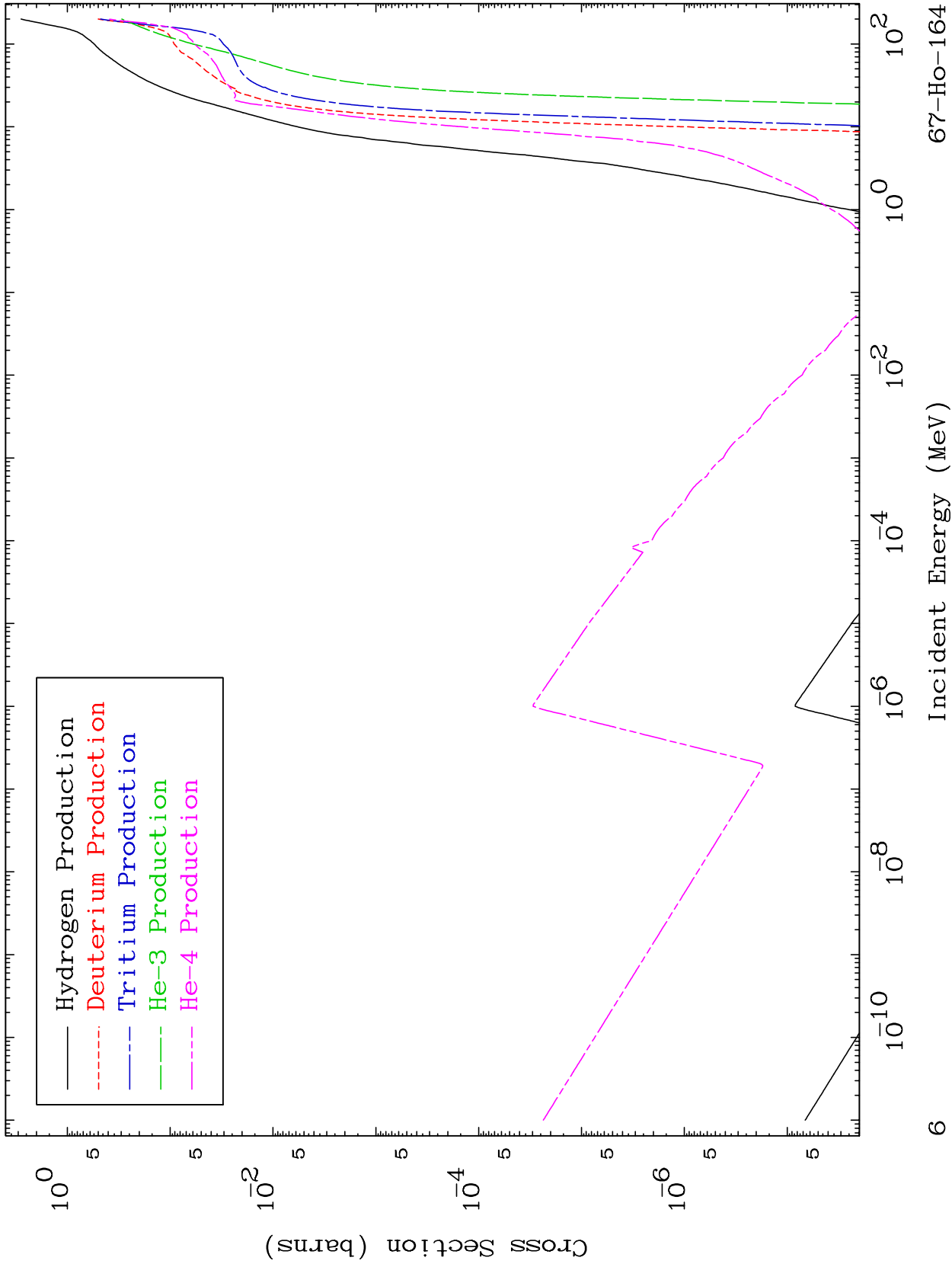
MAT 6722

Charged Particle
293 Kelvin Cross Sections

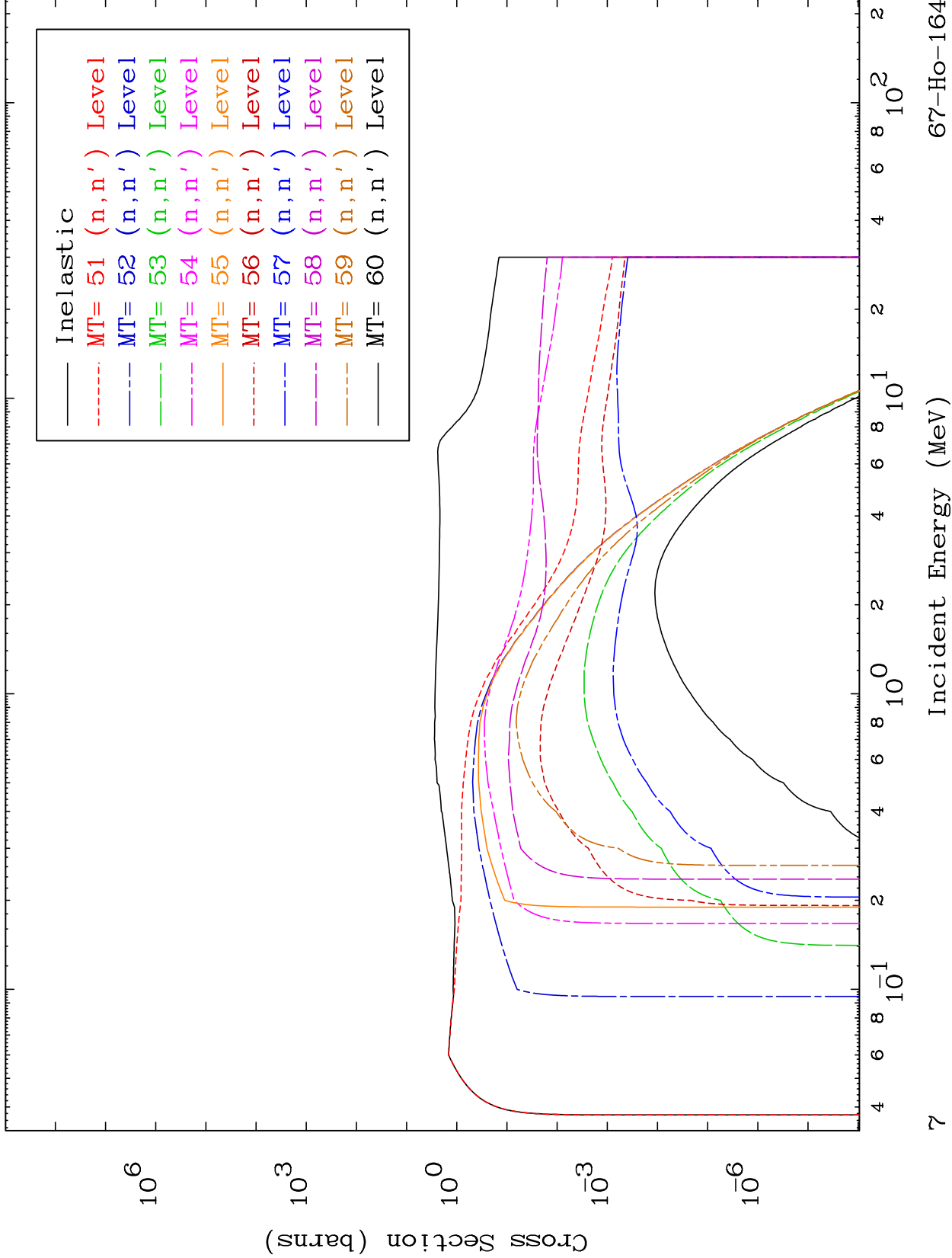
67-Ho-164







293 Kelvin Cross Sections

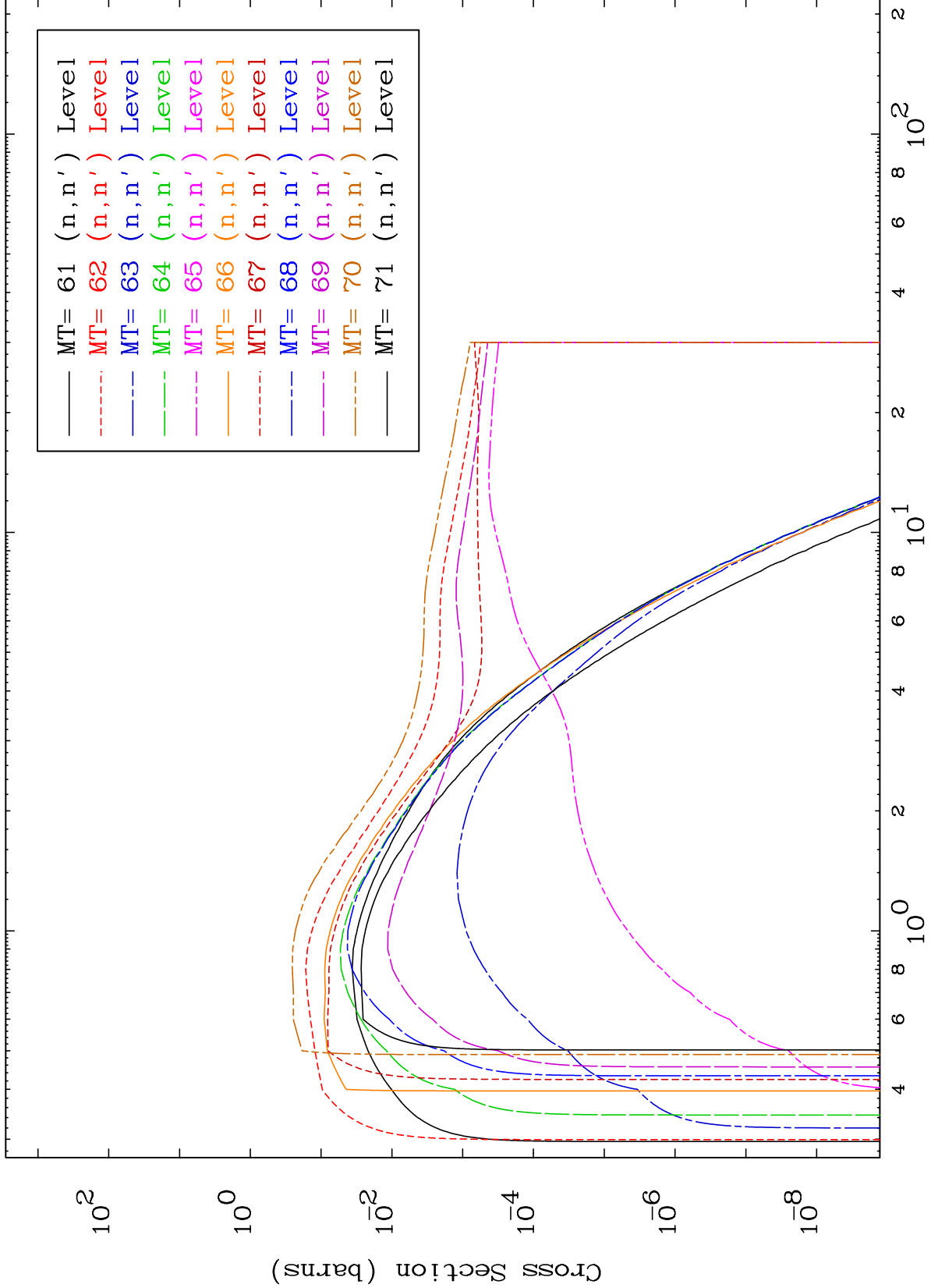


MAT 6722

(n,n') Level

67-Ho-164

293 Kelvin Cross Sections

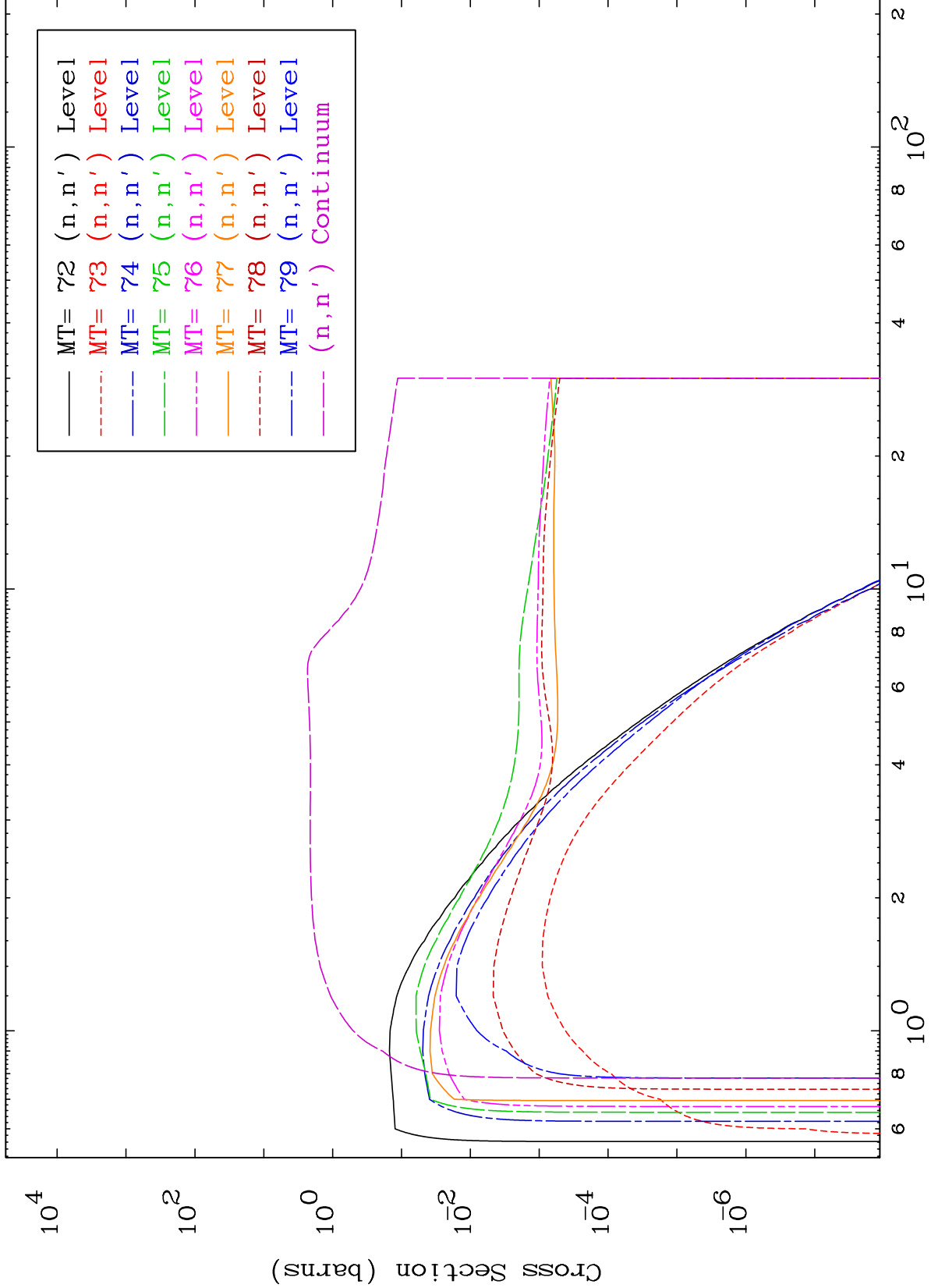


8

Incident Energy (MeV)

67-Ho-164

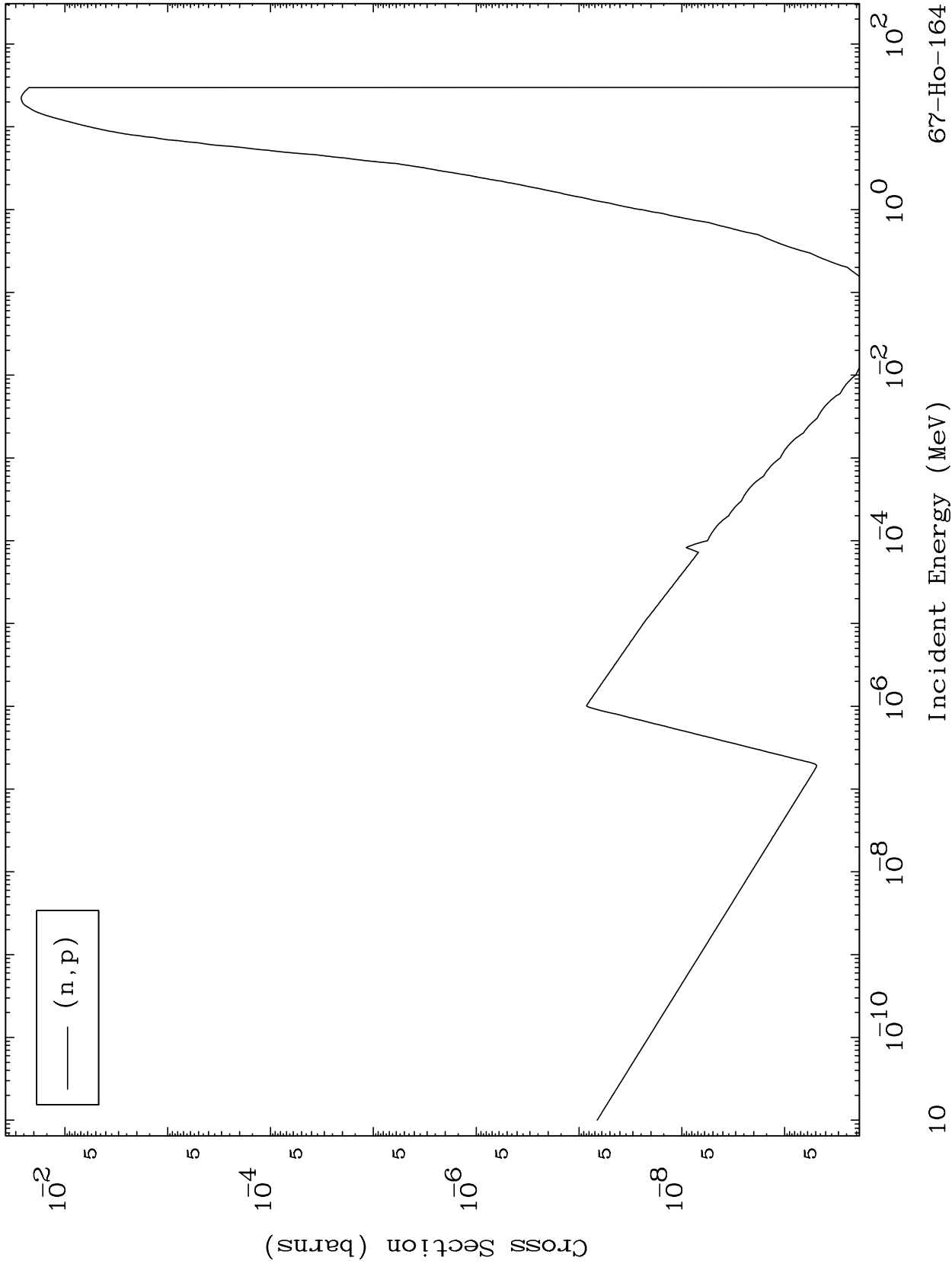
293 Kelvin Cross Sections



MAT 6722

(n,p) Levels
293 Kelvin Cross Sections

67-Ho-164



(n,p)

10

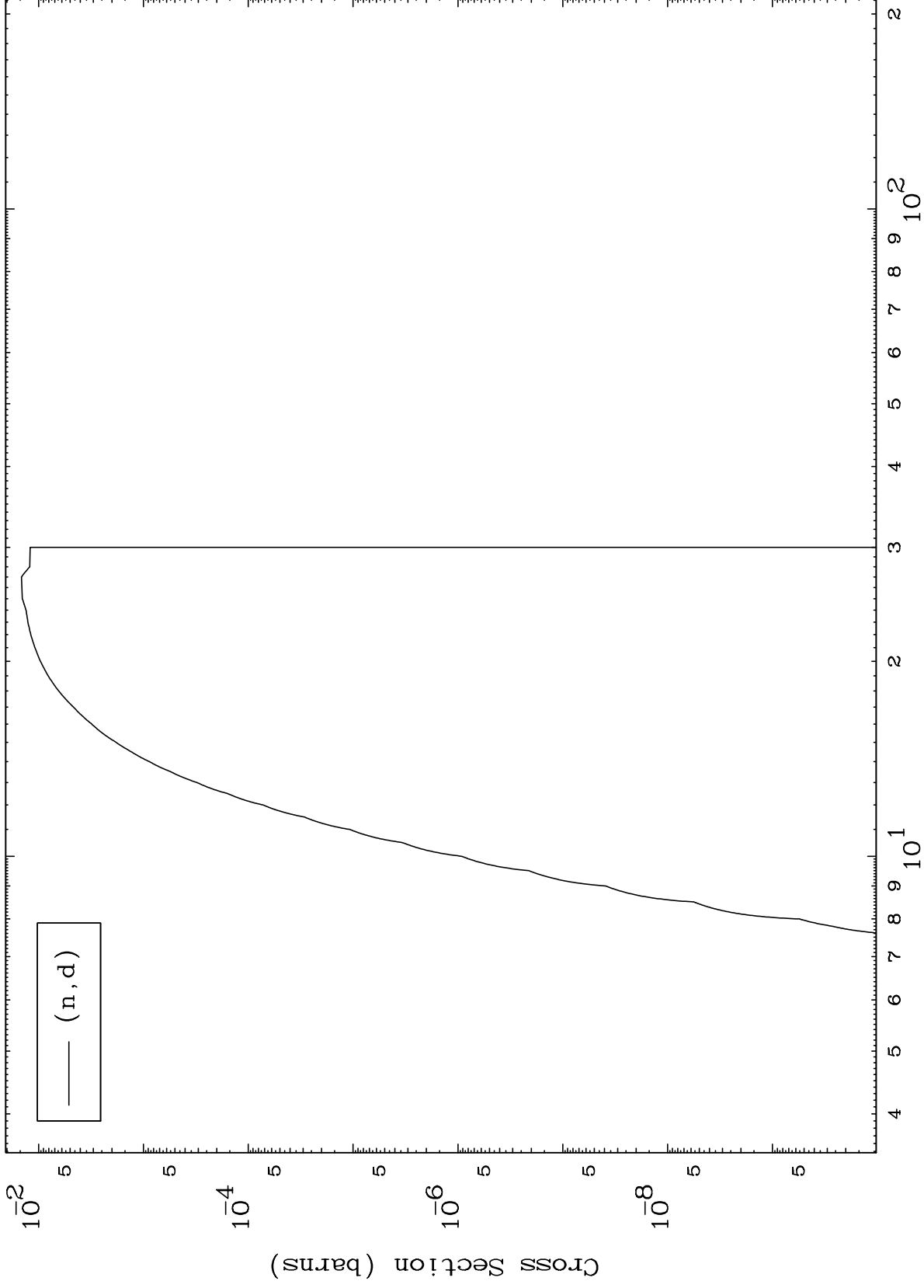
Incident Energy (MeV)

67-Ho-164

MAT 6722

(n,d) Levels
293 Kelvin Cross Sections

67-Ho-164



11

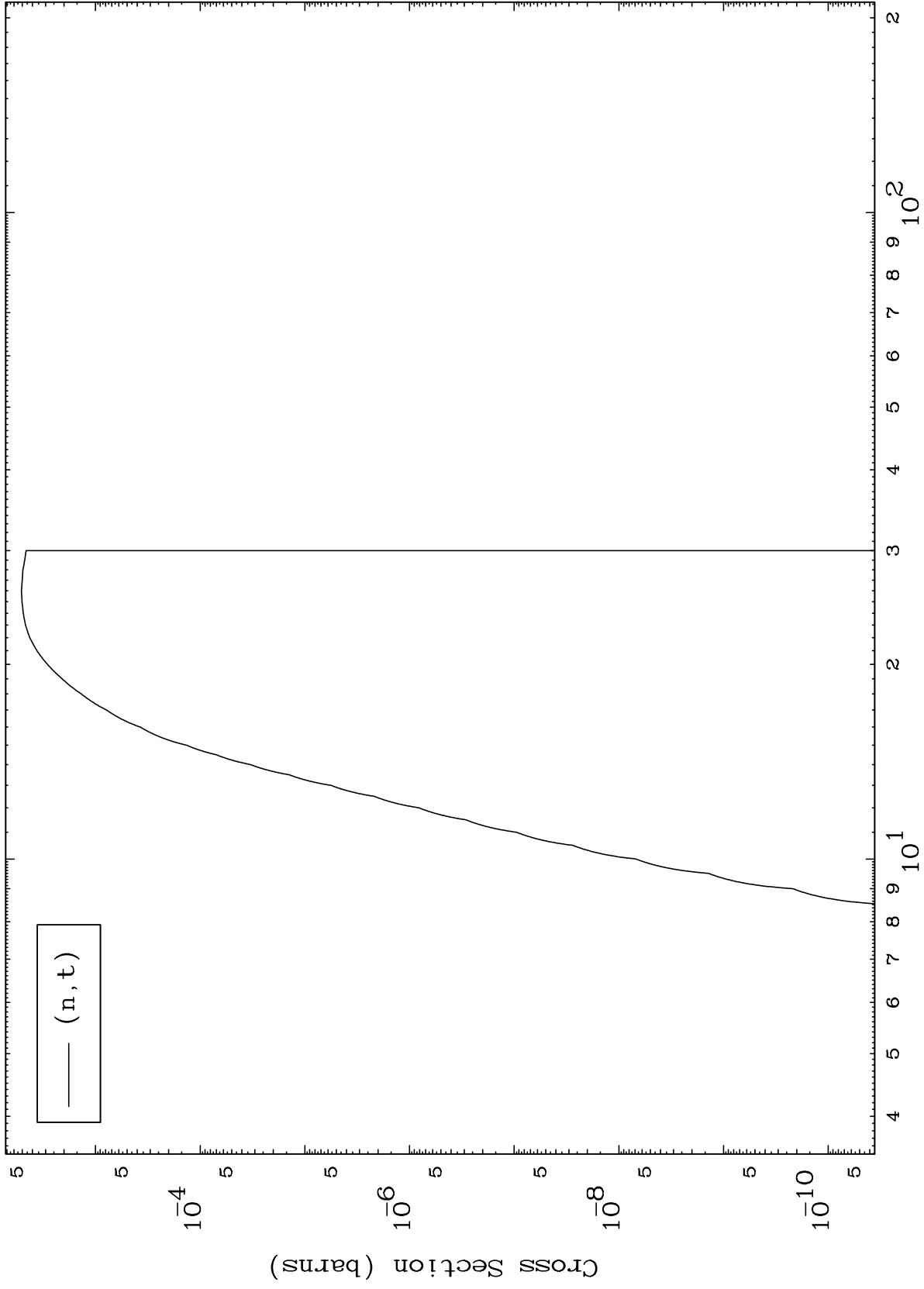
Incident Energy (MeV)

67-Ho-164

MAT 6722

(n,t) Levels
293 Kelvin Cross Sections

67-Ho-164



12

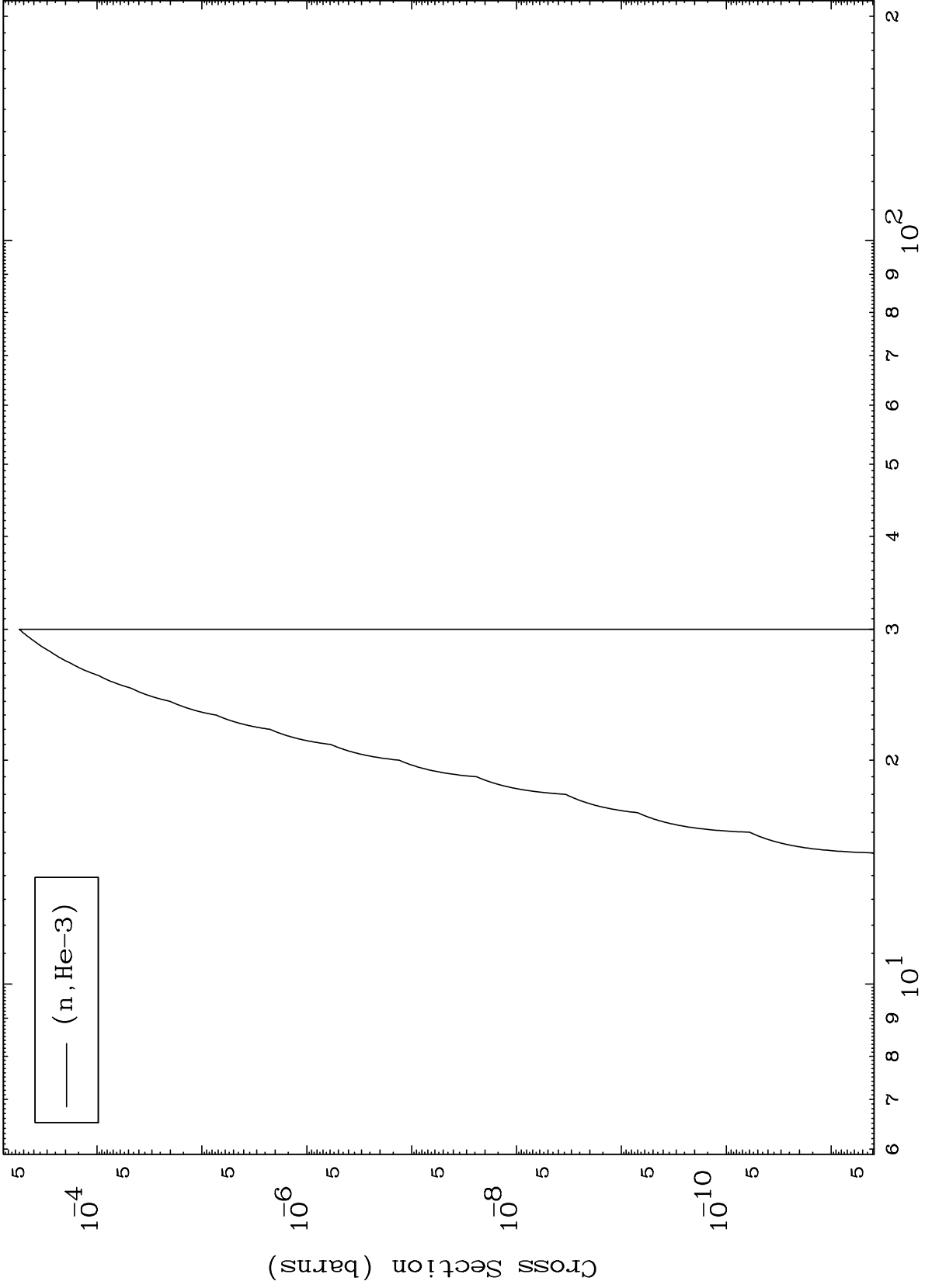
Incident Energy (MeV)

67-Ho-164

MAT 6722

(n,He3) Levels
293 Kelvin Cross Sections

67-Ho-164



13

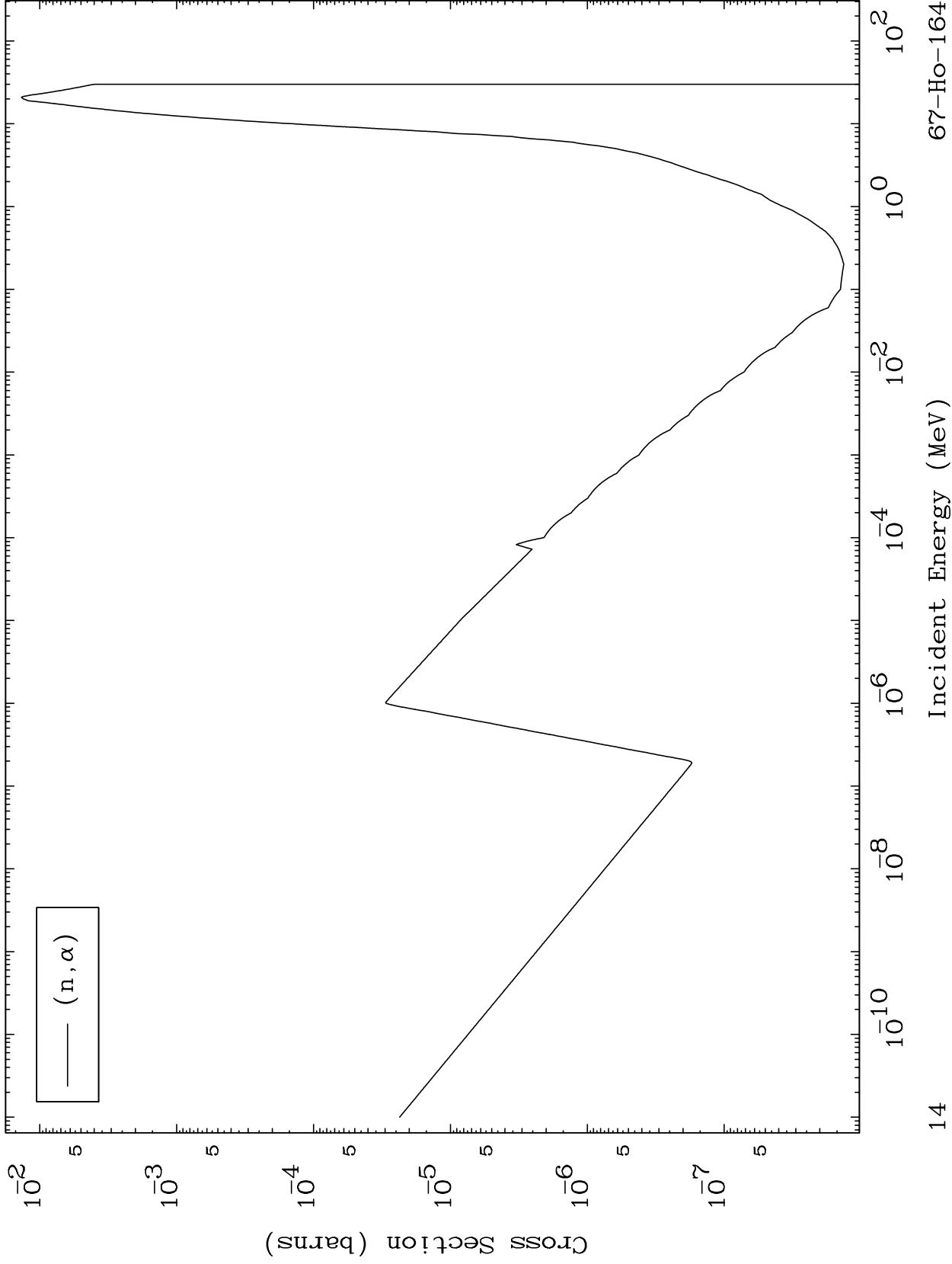
Incident Energy (MeV)

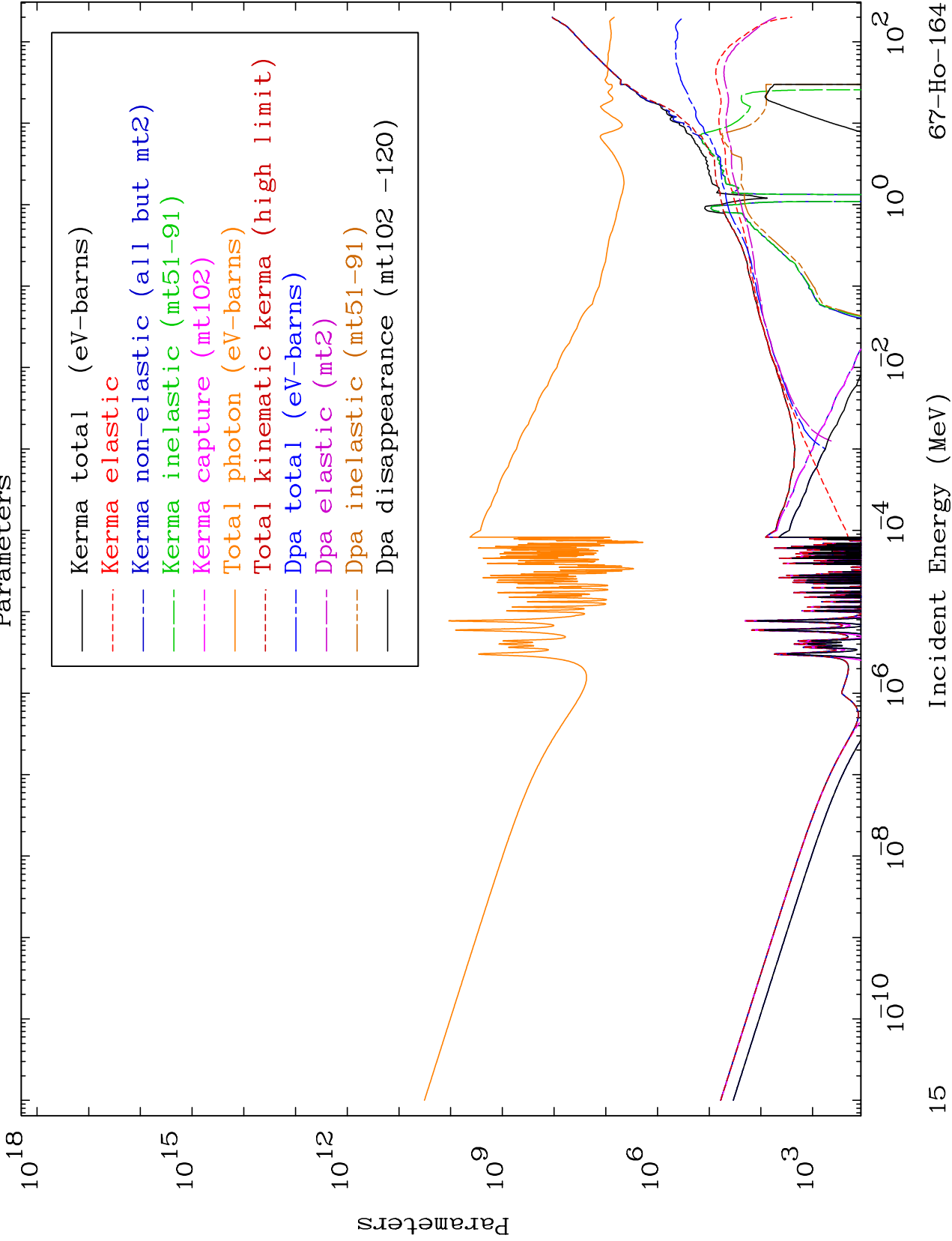
67-Ho-164

MAT 6722

(n, α) Levels
293 Kelvin Cross Sections

67-Ho-164

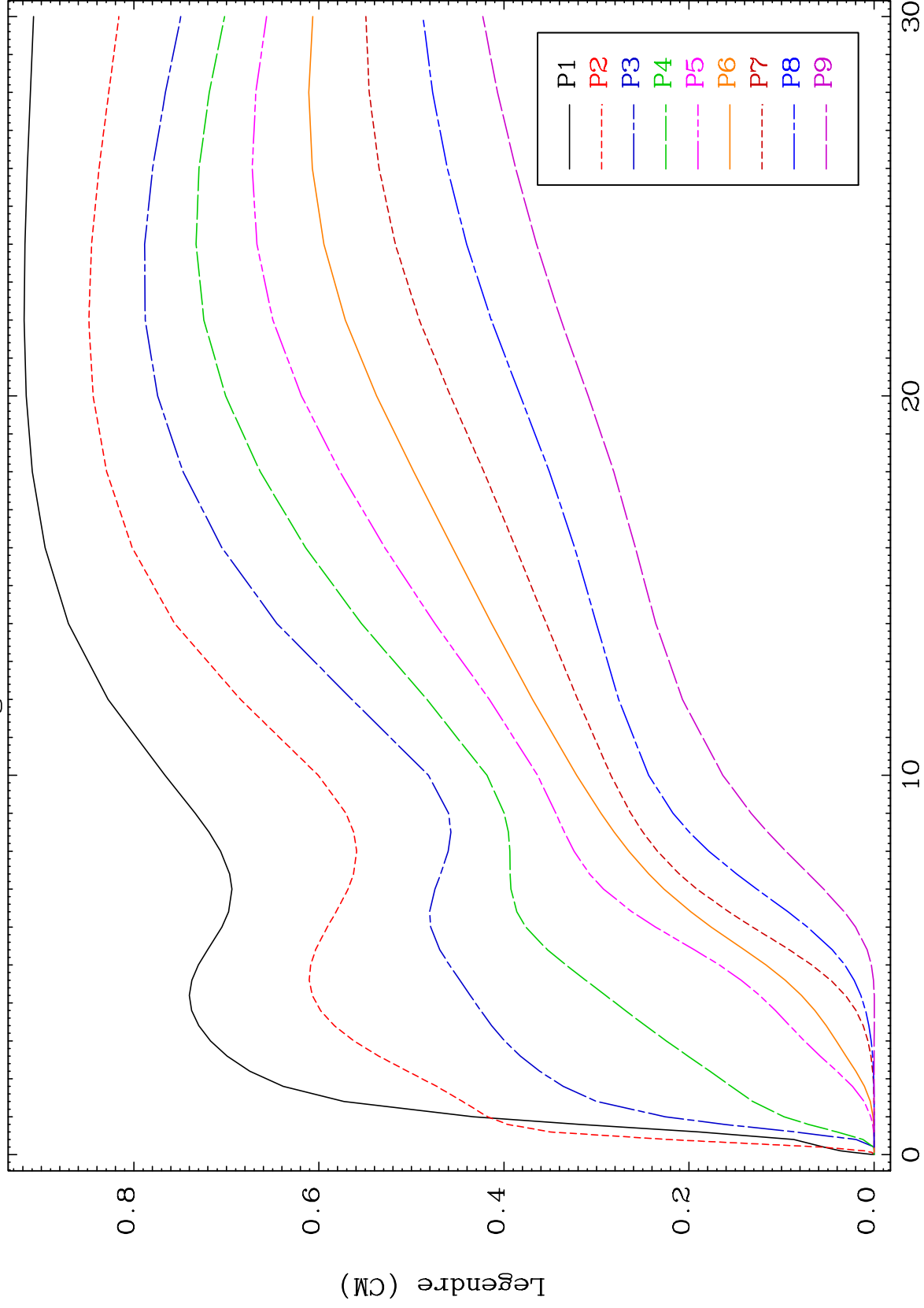




MAT 6722

Elastic Legendre Coefficients

67-Ho-164



16

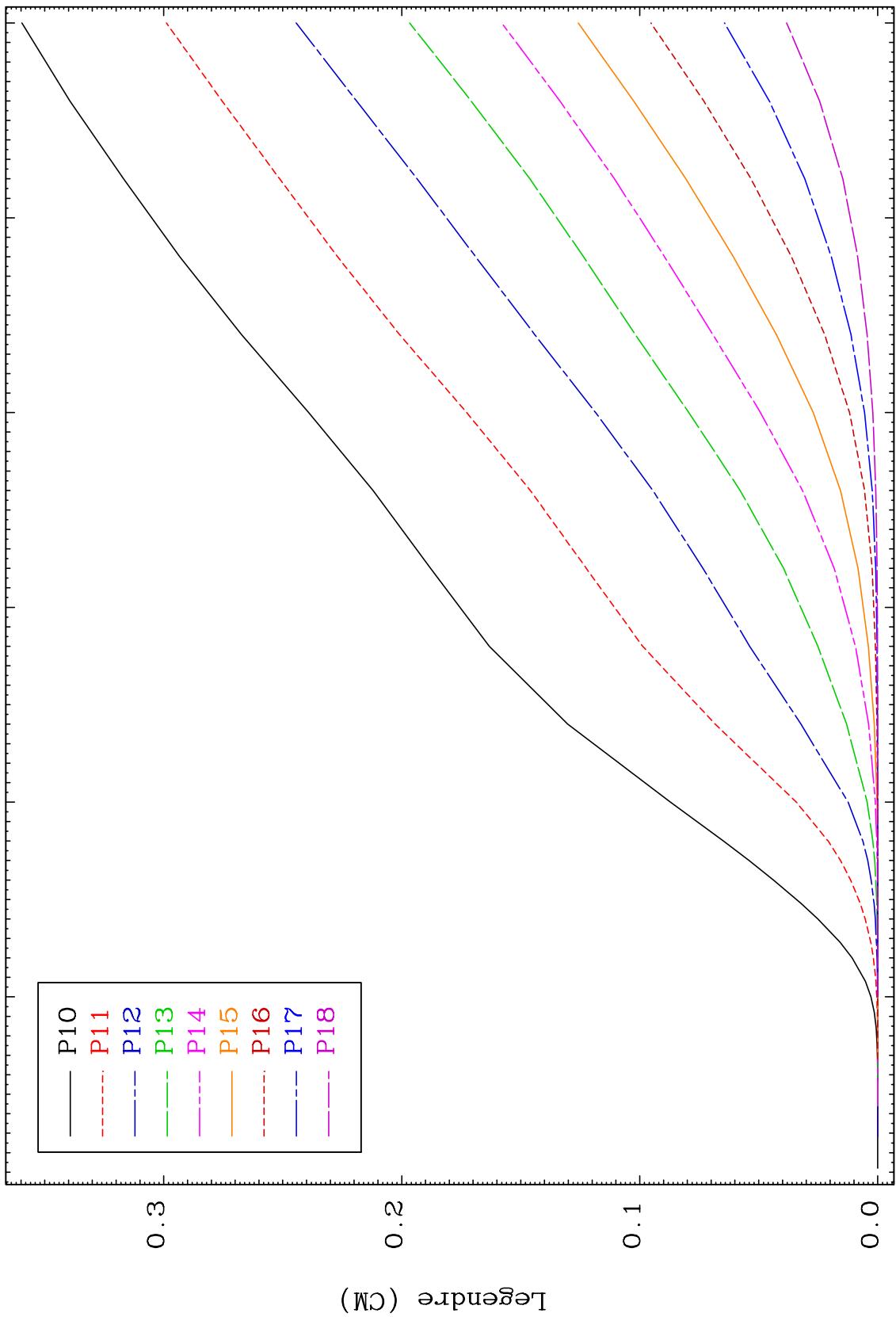
Incident Energy (MeV)

67-Ho-164

MAT 6722

Elastic Legendre Coefficients

67-Ho-164



17

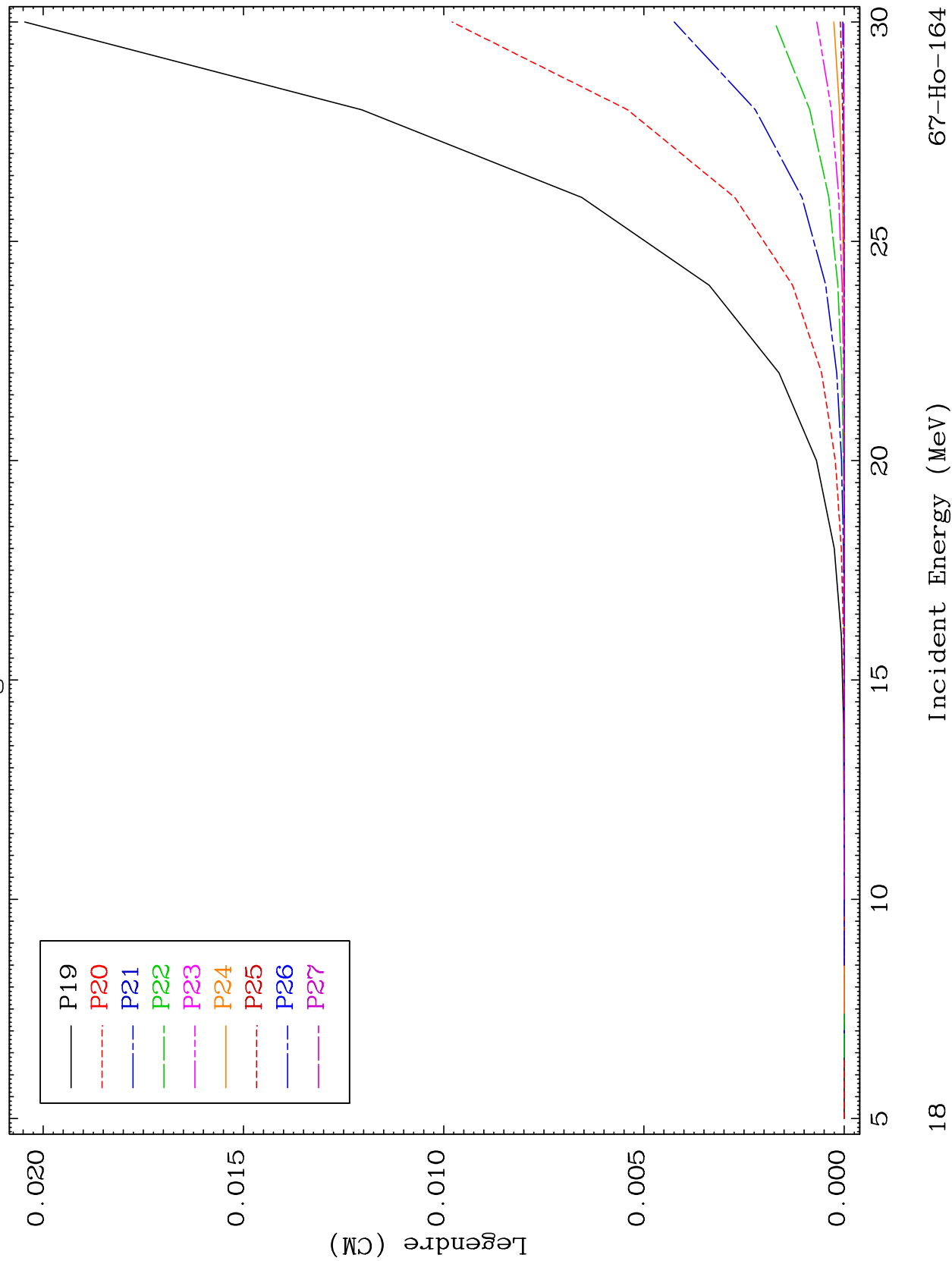
67-Ho-164

Incident Energy (MeV)

MAT 6722

Elastic Legendre Coefficients

67-Ho-164



67-Ho-164

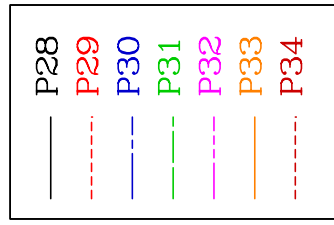
Incident Energy (MeV)

18

MAT 6722

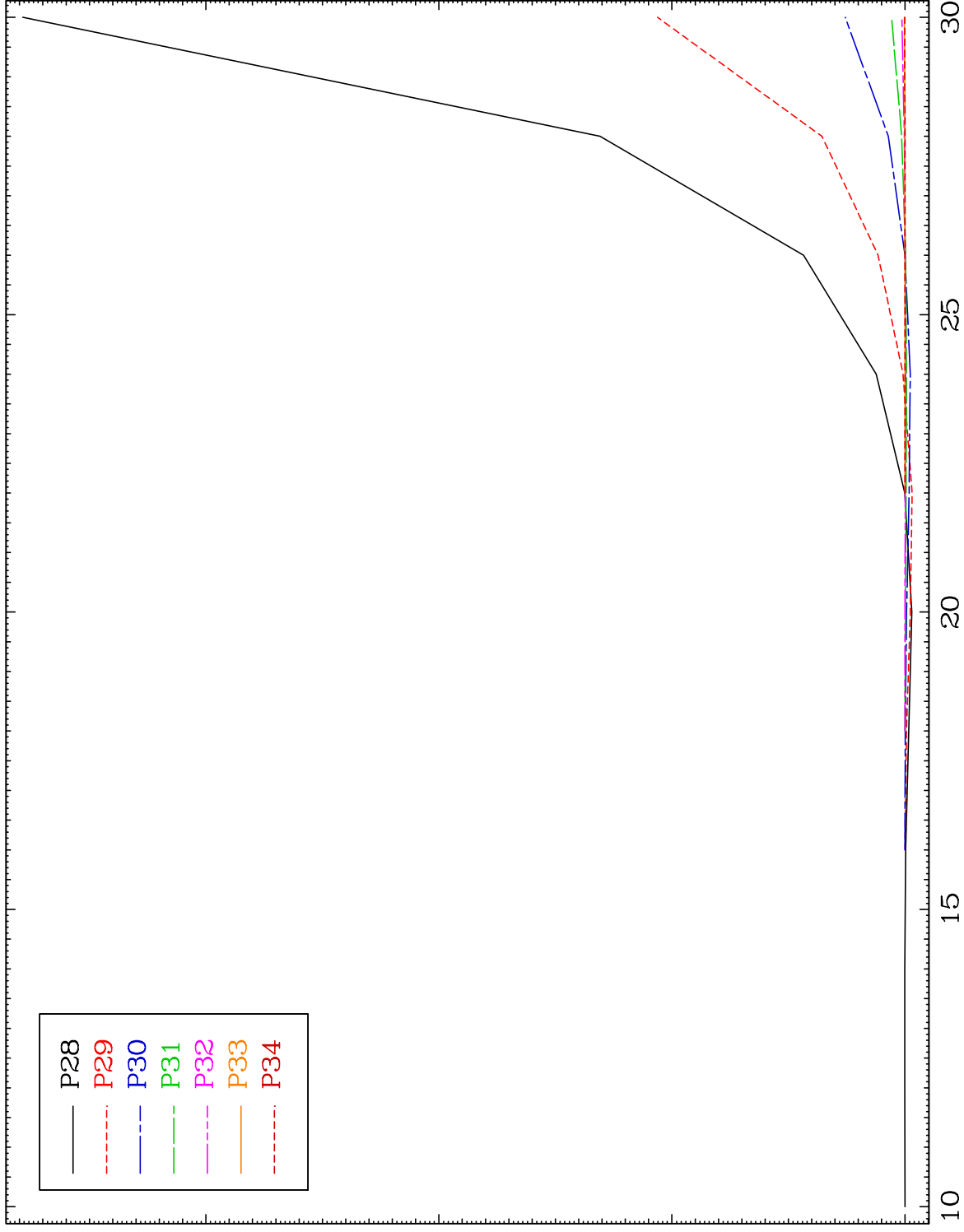
Elastic
Legendre Coefficients

67-Ho-164



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

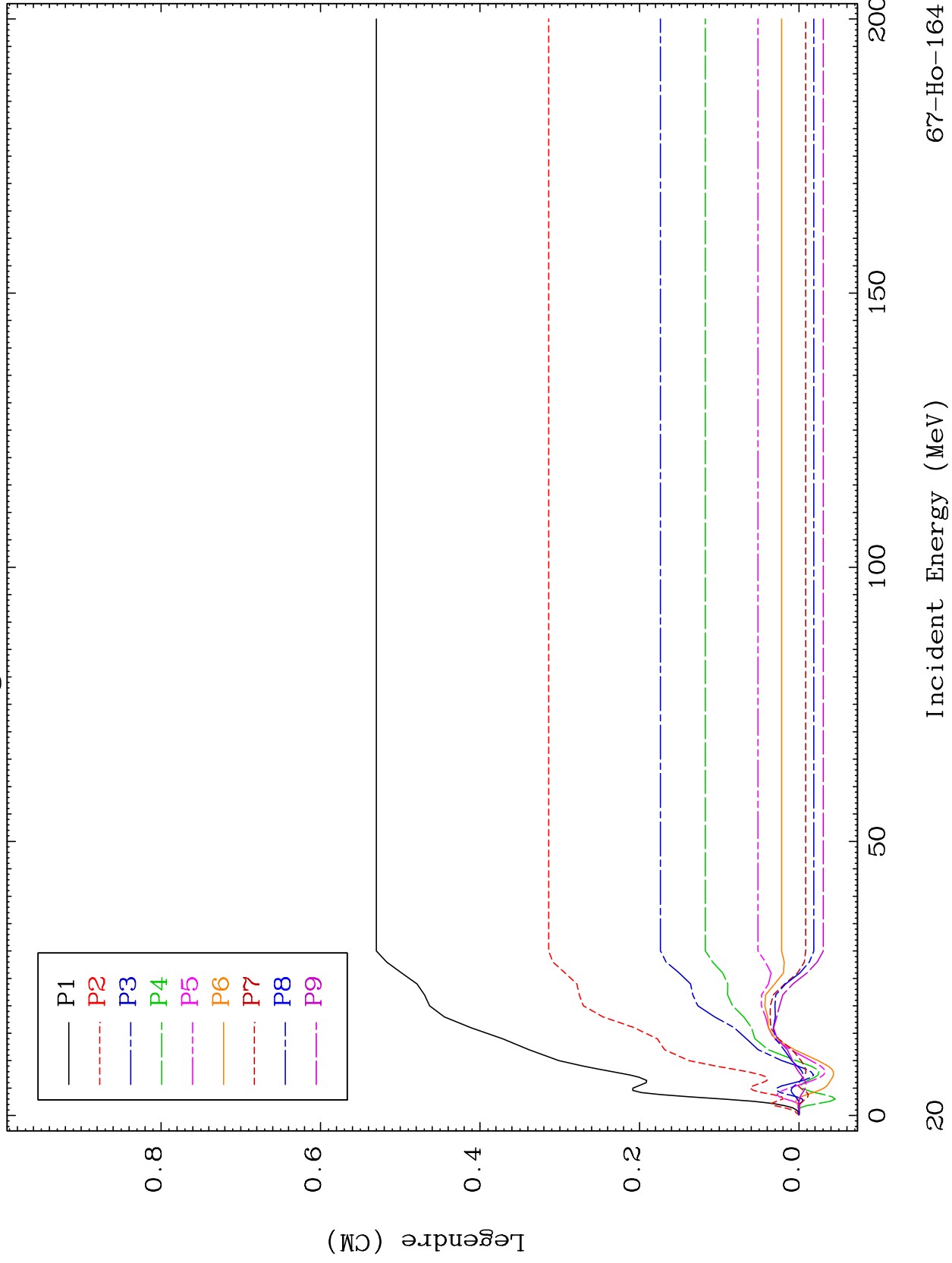
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

67-Ho-164



67-Ho-164

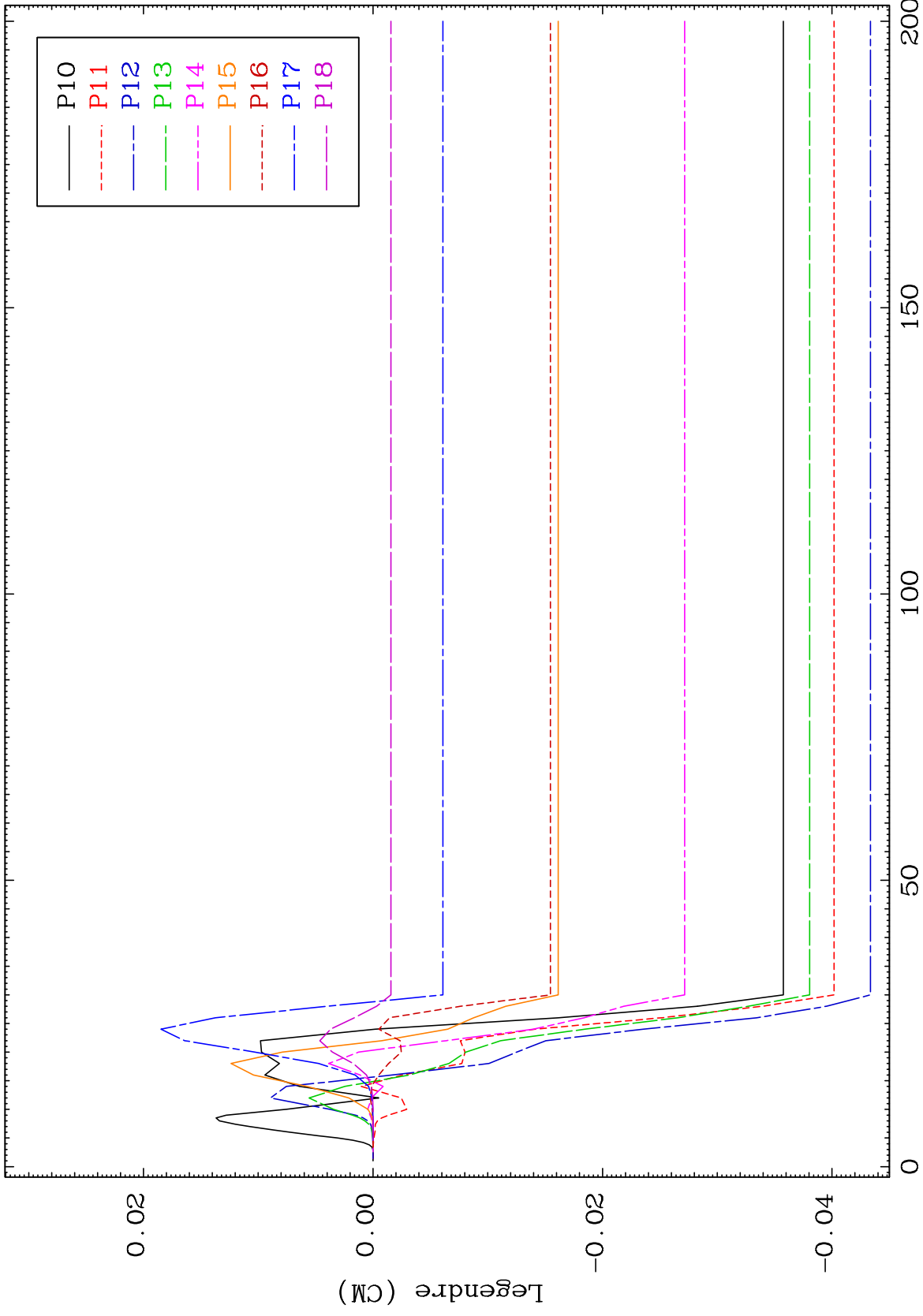
Incident Energy (MeV)

0

MAT 6722

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

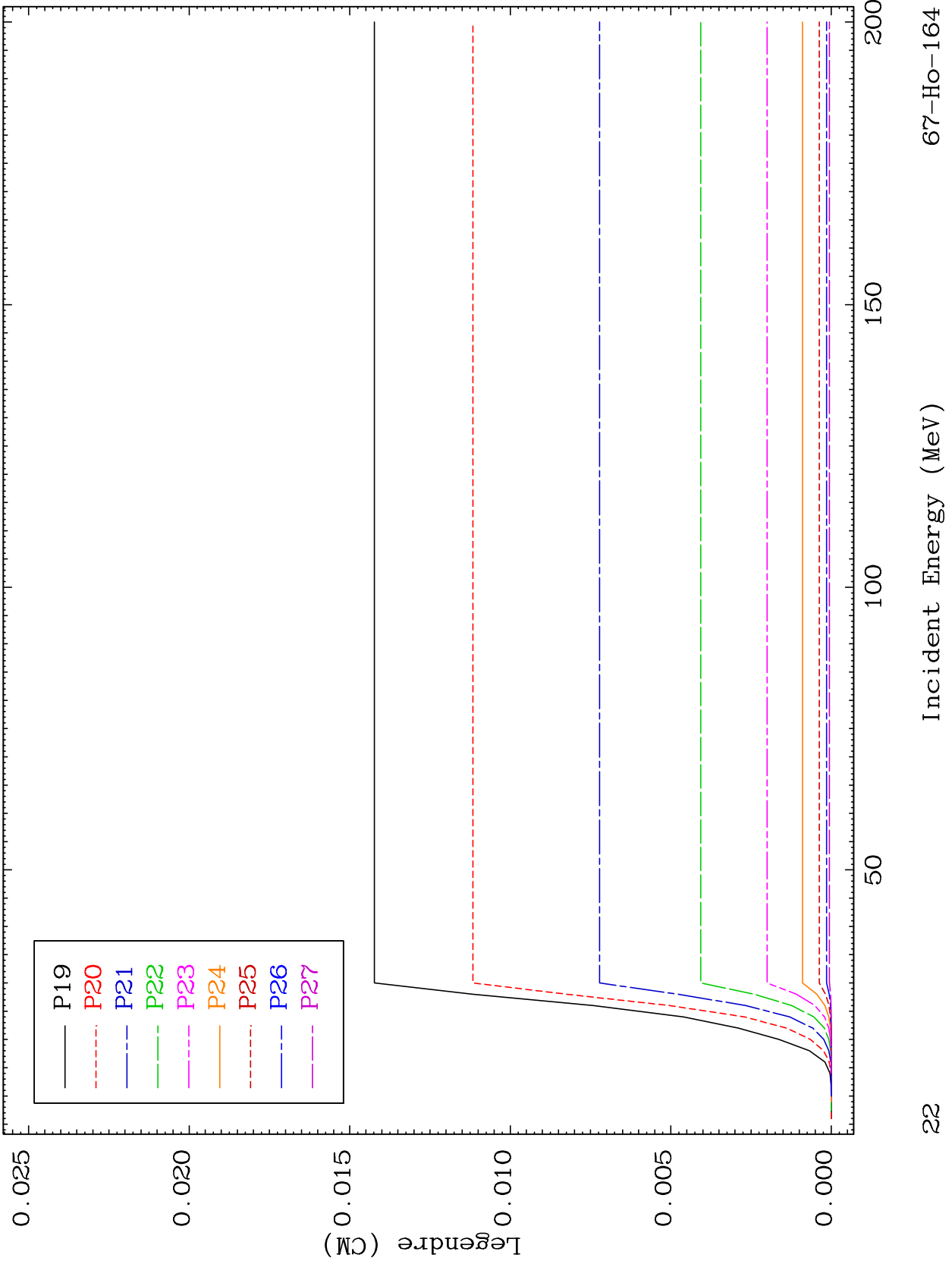
67-Ho-164



21

Incident Energy (MeV)

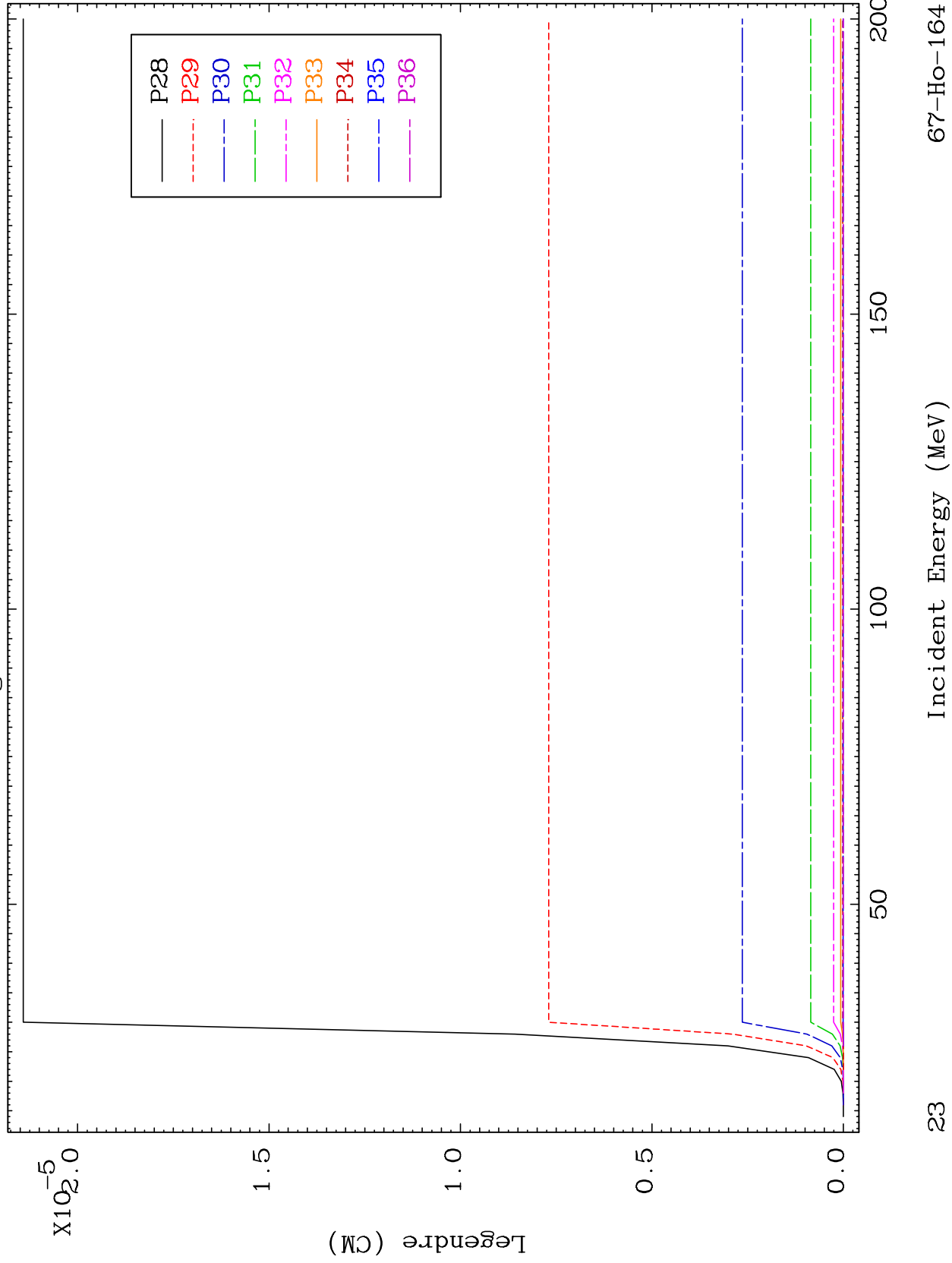
67-Ho-164

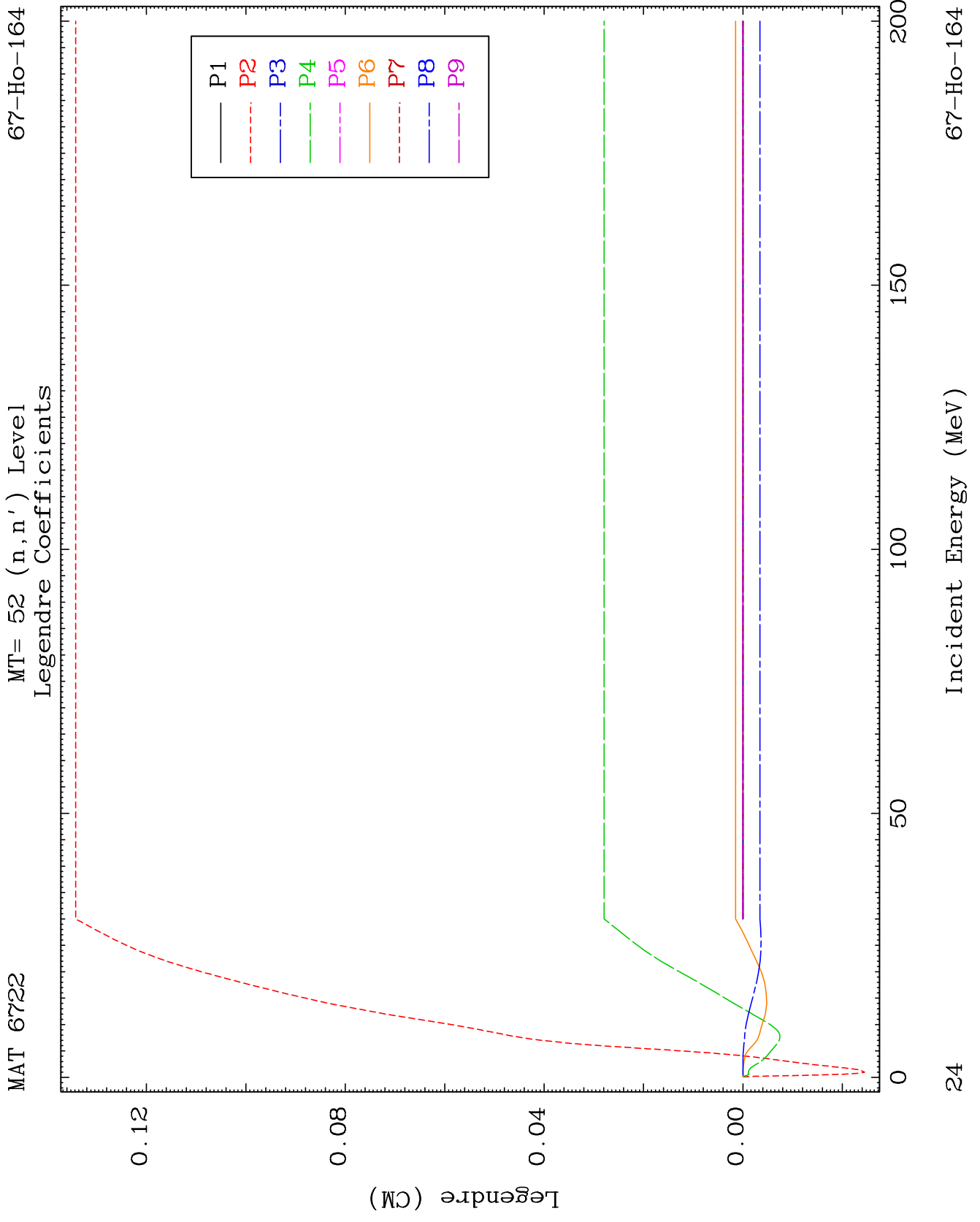


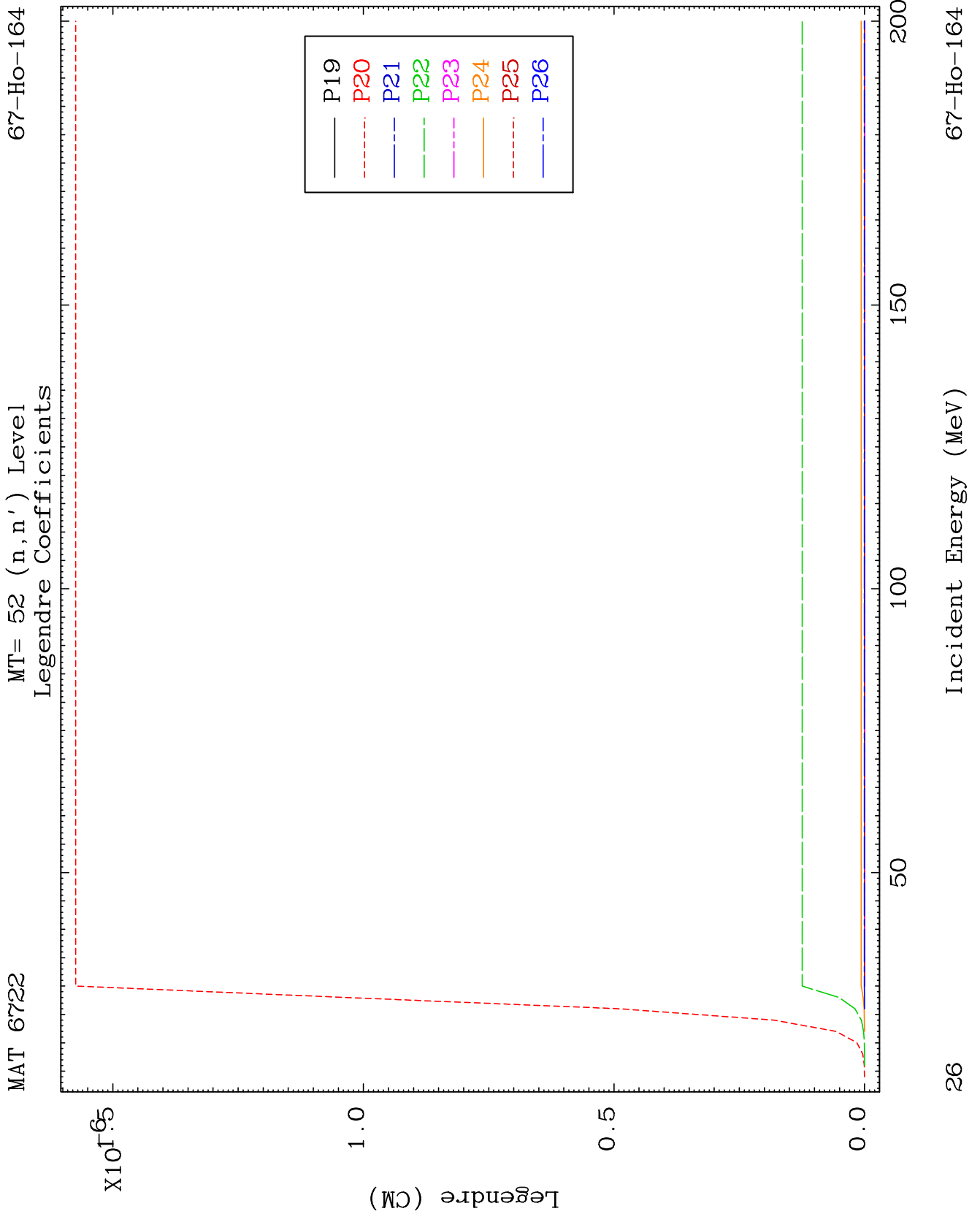
MAT 6722

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

67-Ho-164



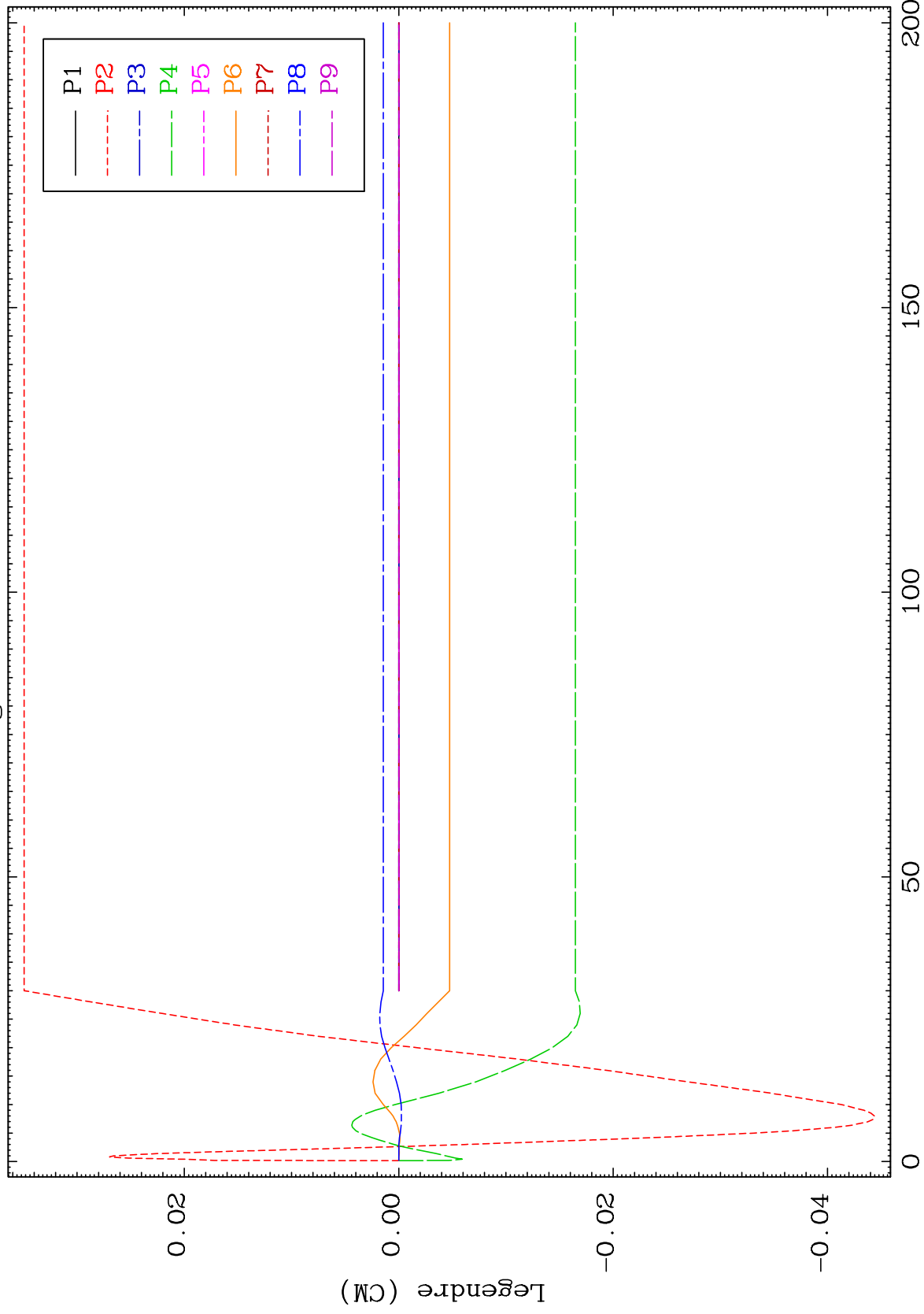




MAT 6722

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

67-Ho-164



27

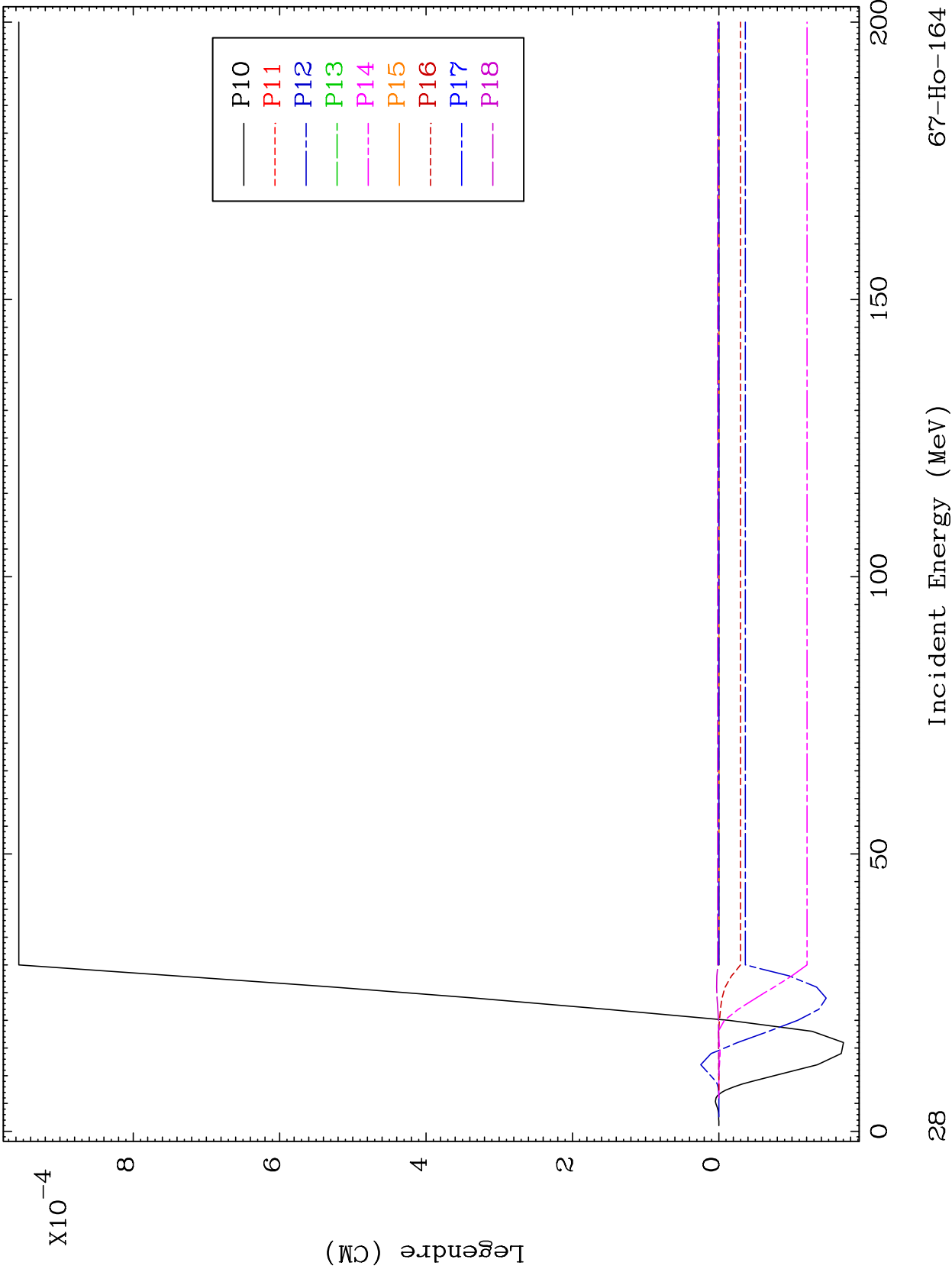
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

67-Ho-164



67-Ho-164

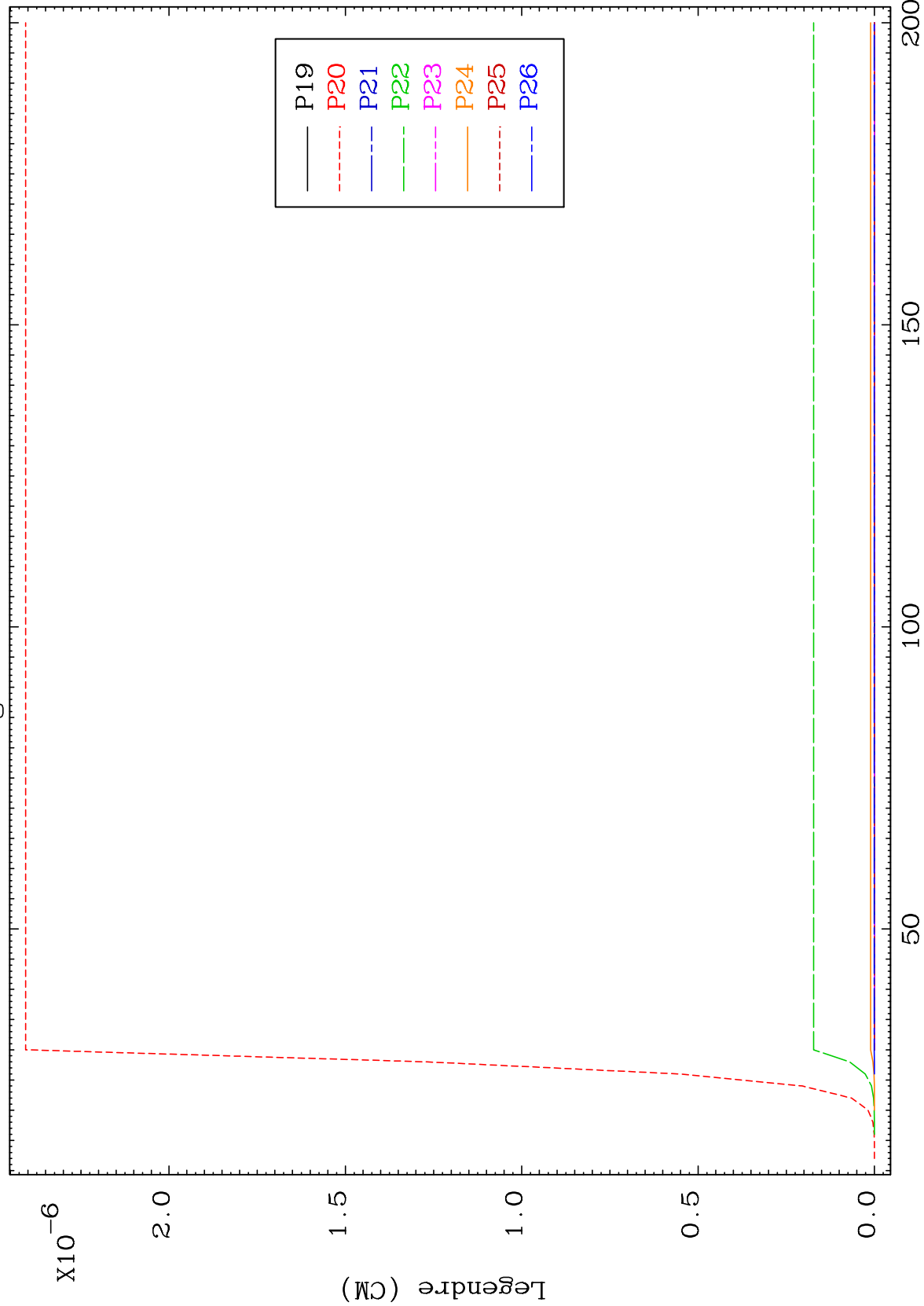
Incident Energy (MeV)

28

MAT 6722

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

67-Ho-164



67-Ho-164

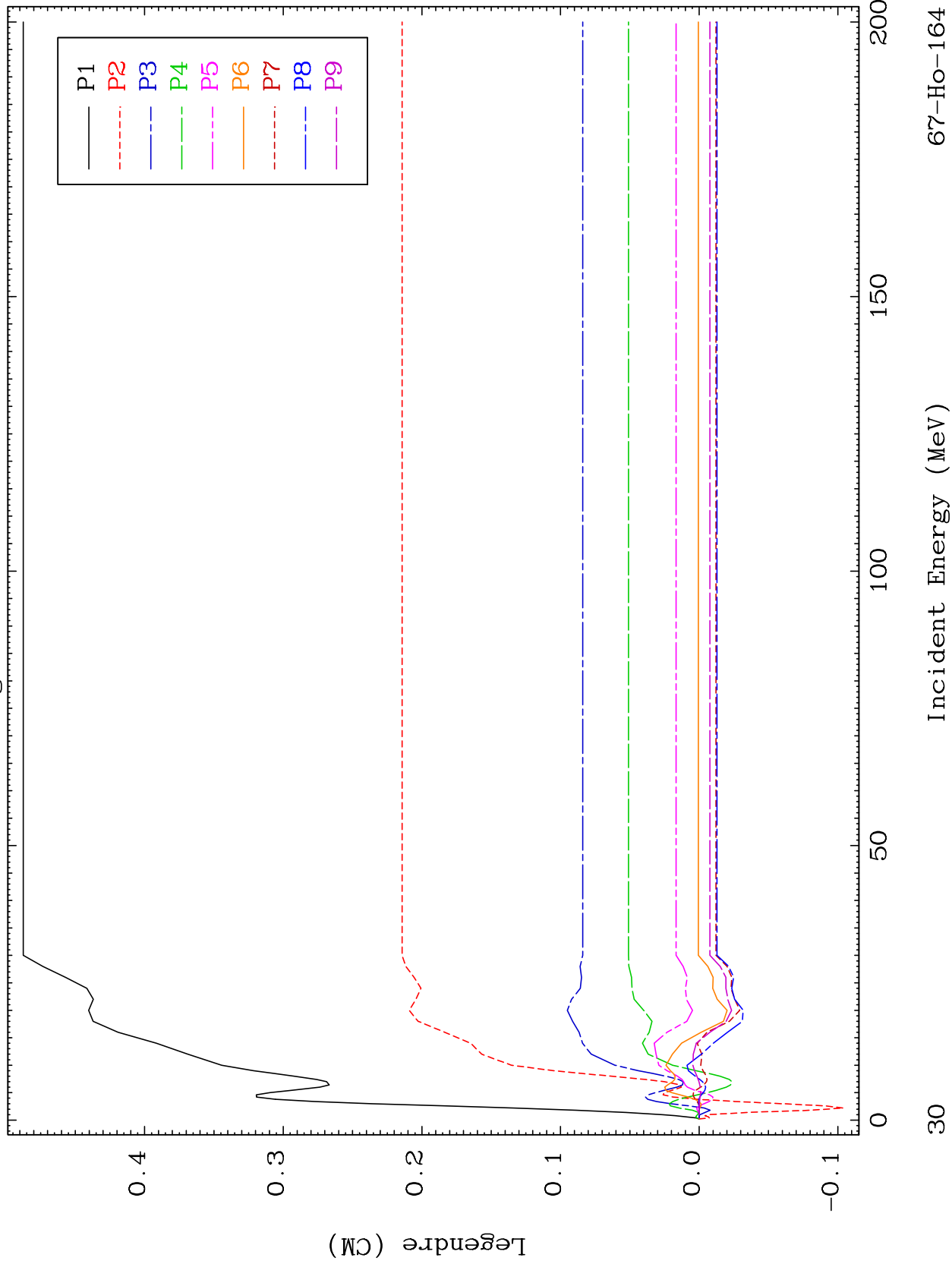
Incident Energy (MeV)

29

MAT 6722

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

67-Ho-164



67-Ho-164

Incident Energy (MeV)

30

0

50

100

150

200

Legendre (CM)

0.4

0.3

0.2

0.1

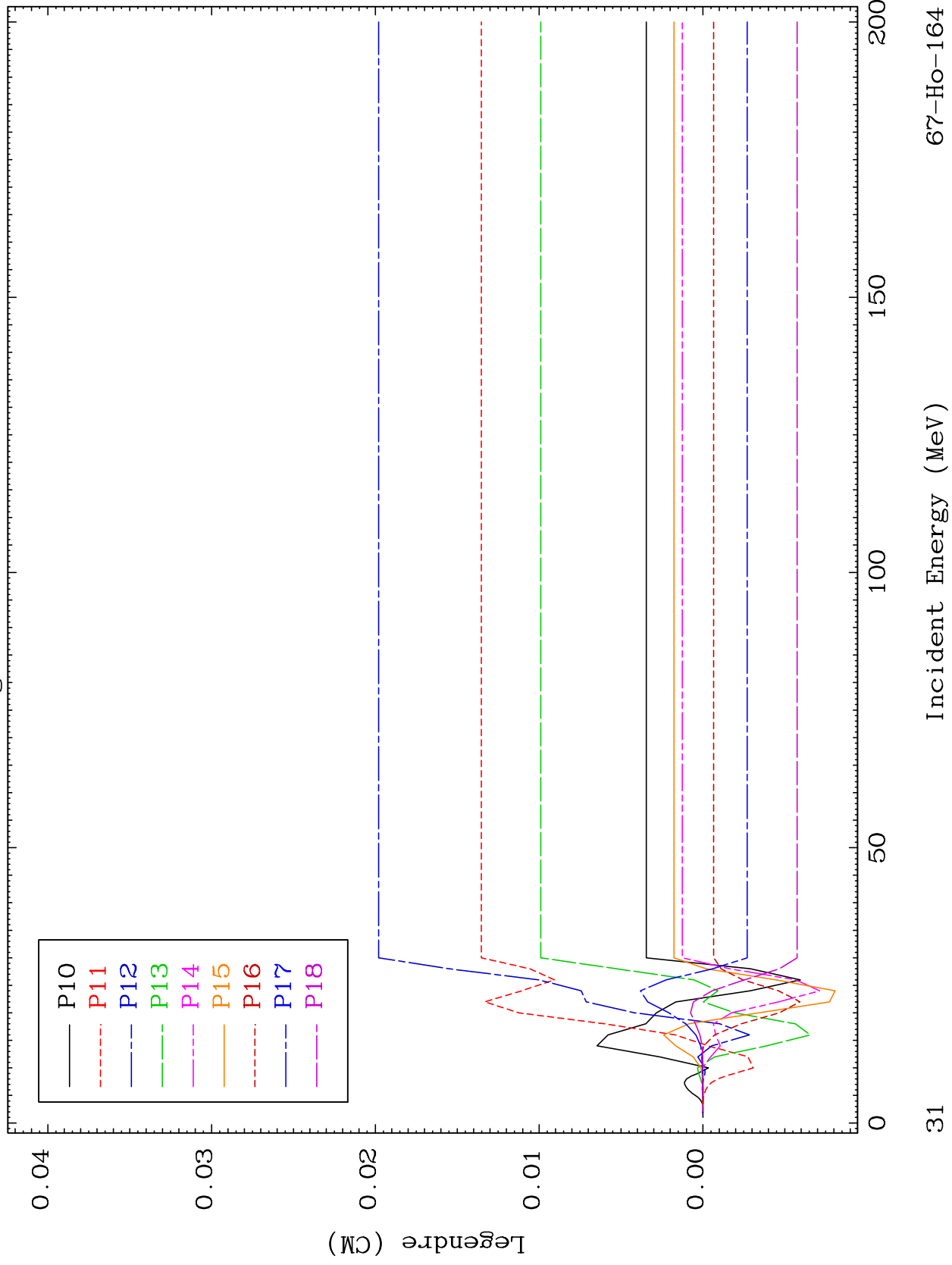
0.0

-0.1

MAT 6722

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

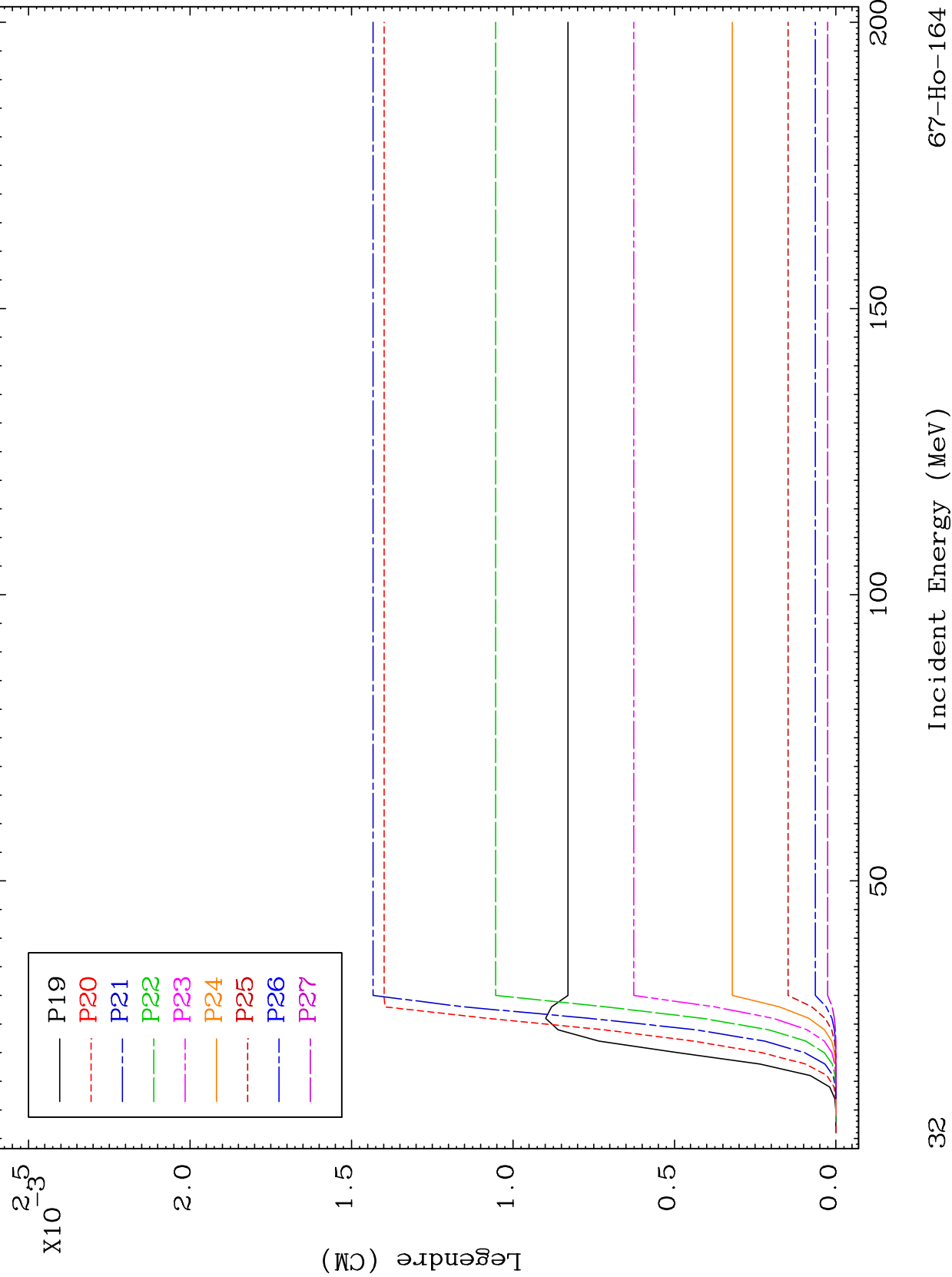
67-Ho-164



31

Incident Energy (MeV)

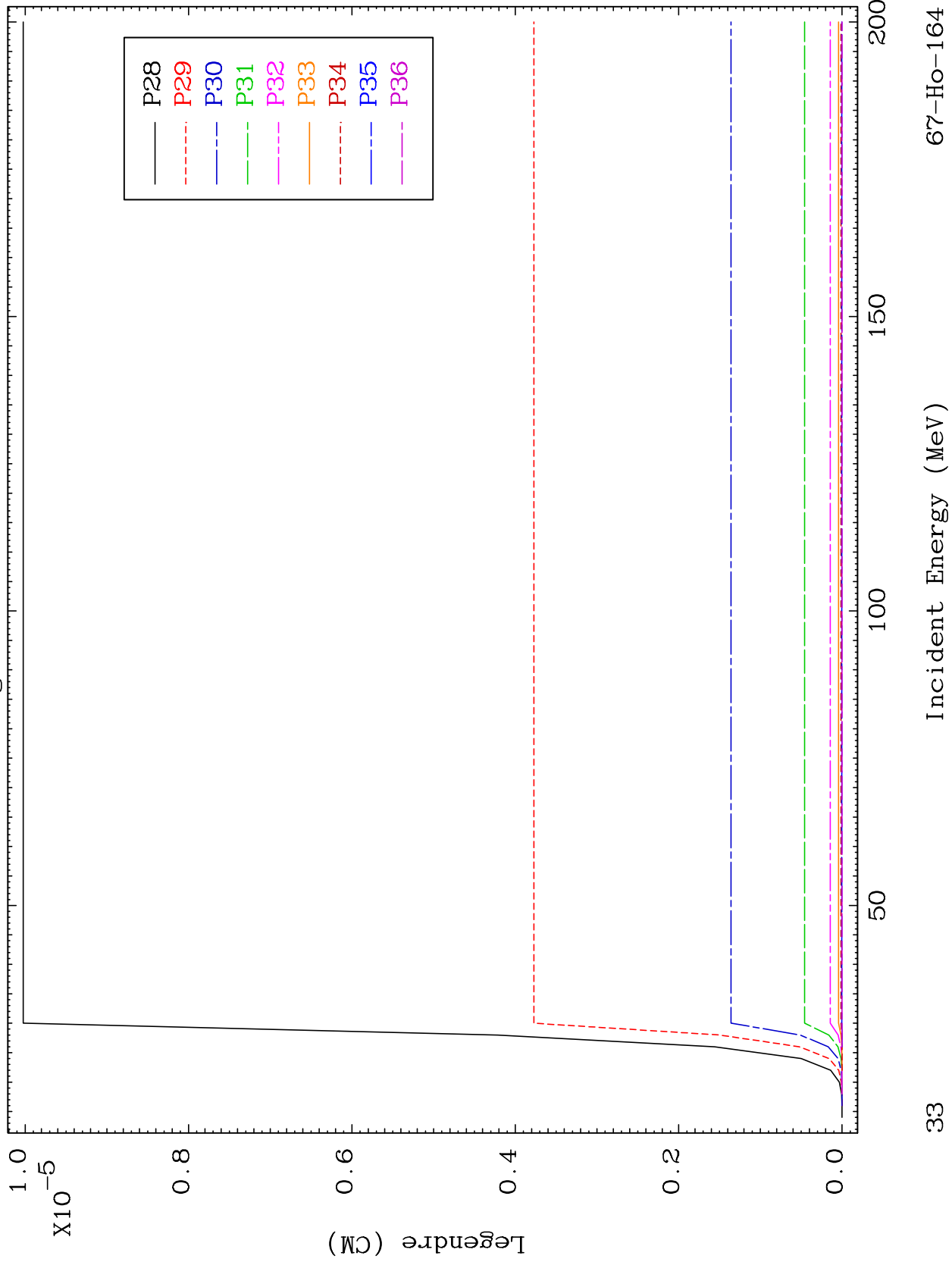
67-Ho-164



MAT 6722

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

67-Ho-164



33

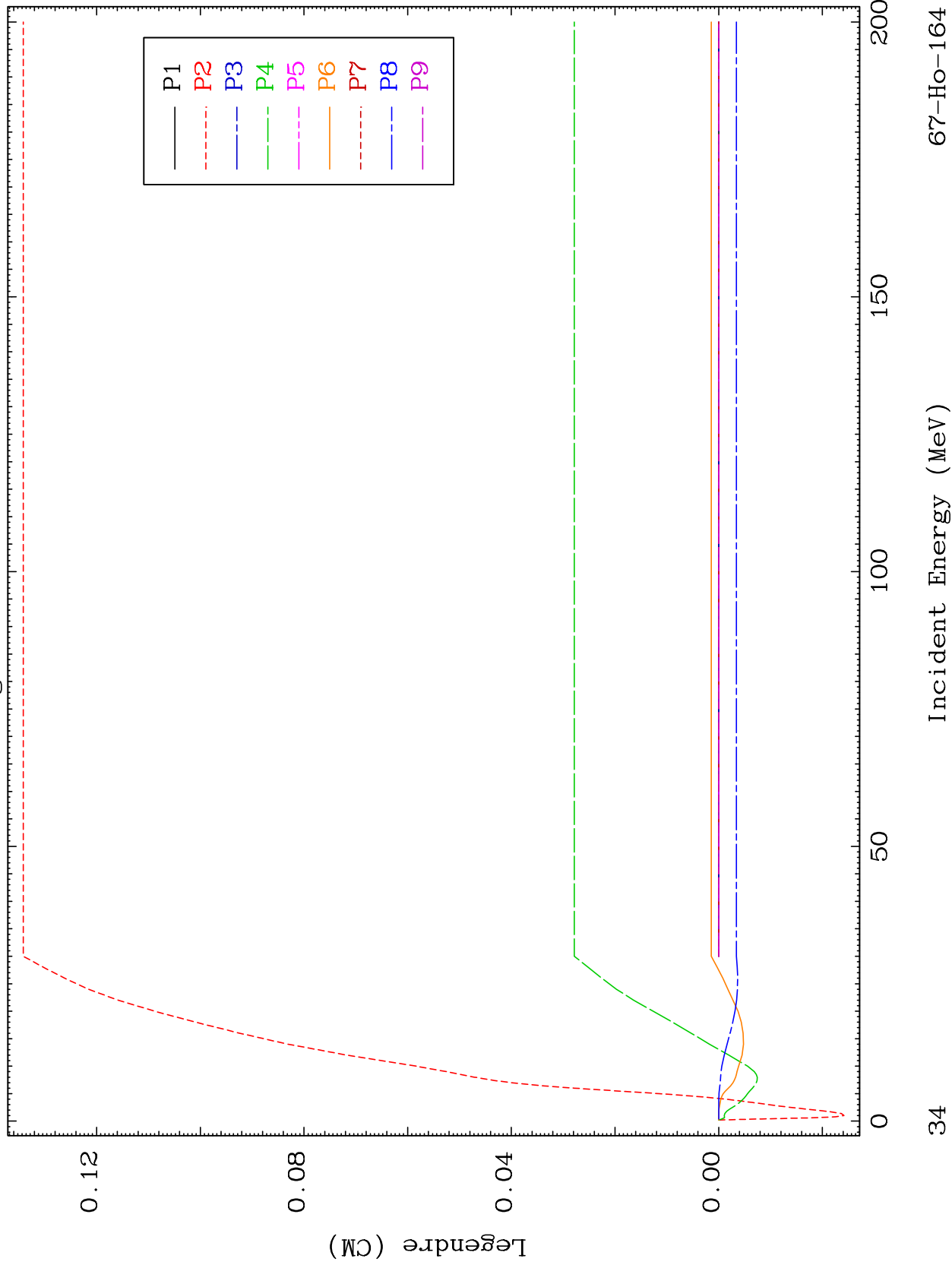
Incident Energy (MeV)

67-Ho-164

MAT 6722

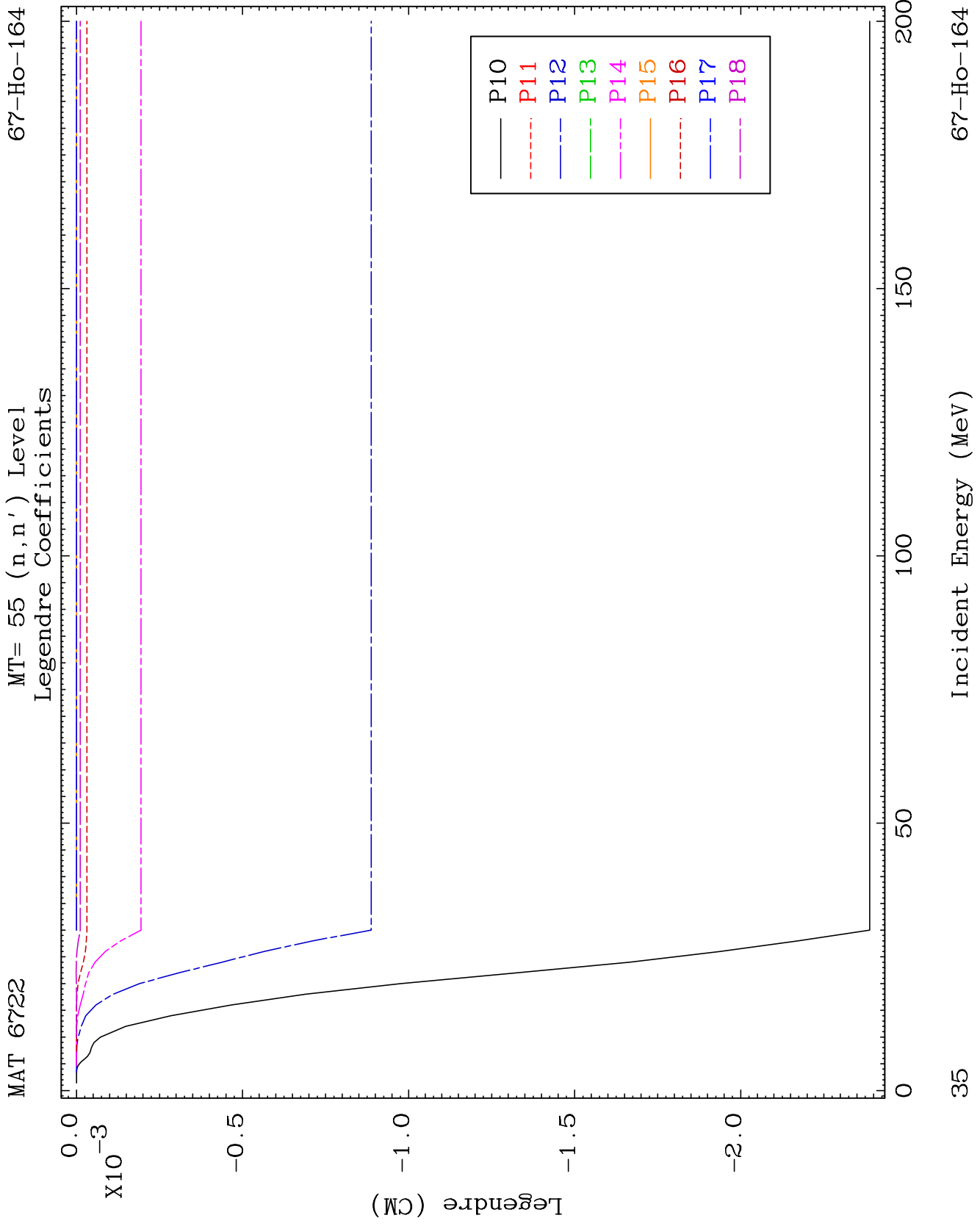
MT= 55 (n,n') Level
Legendre Coefficients

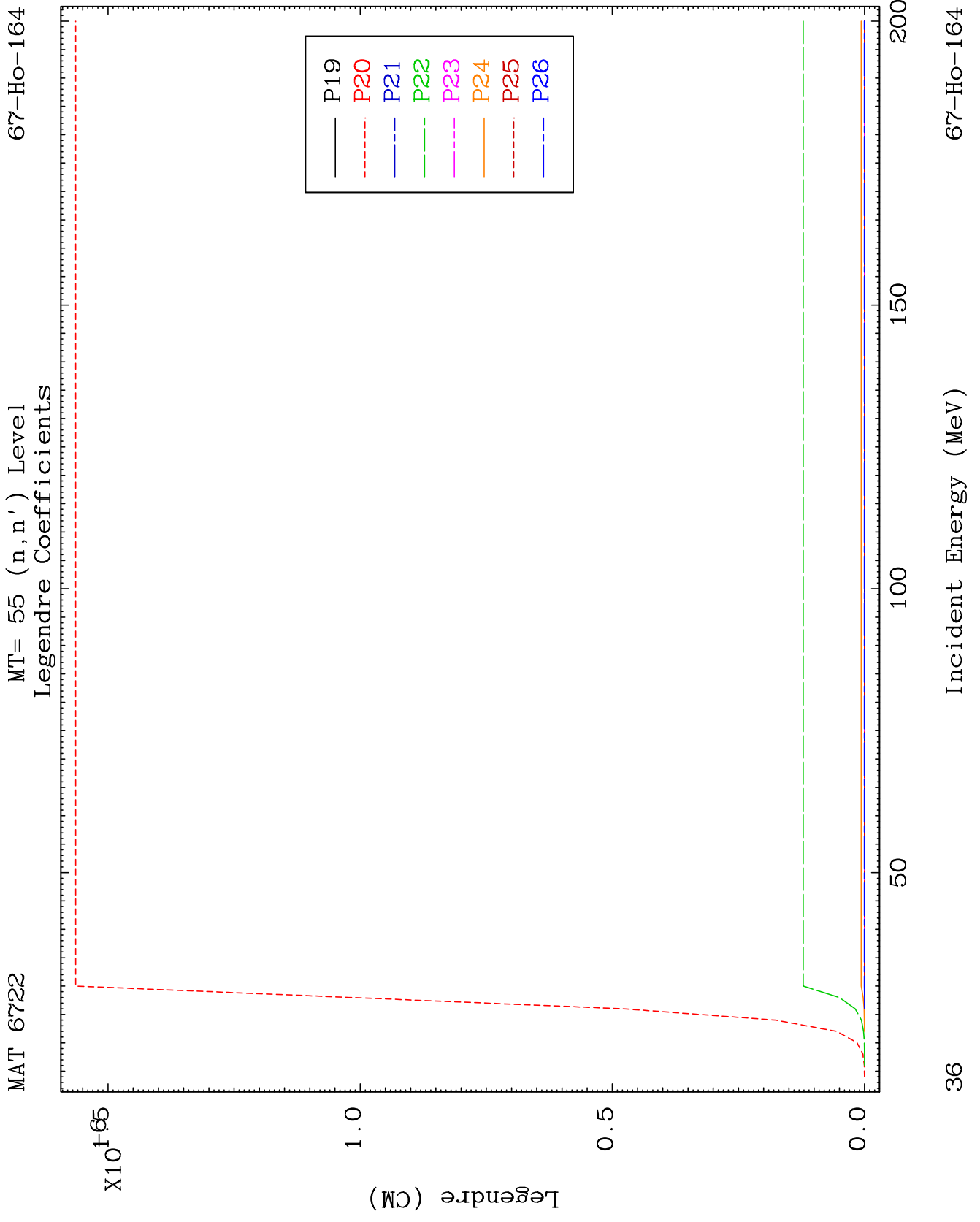
67-Ho-164



34

67-Ho-164

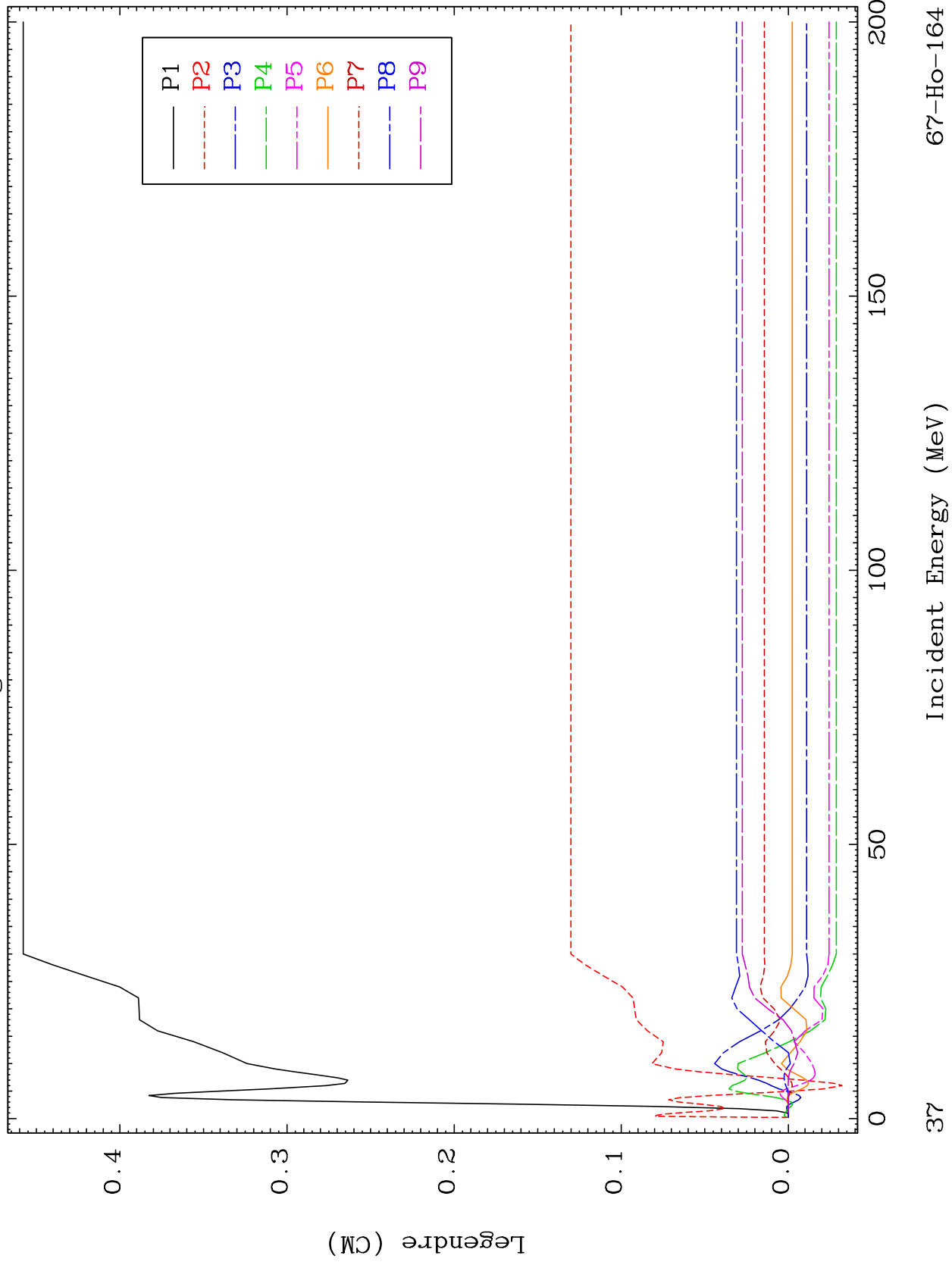




MAT 6722

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

67-Ho-164



37

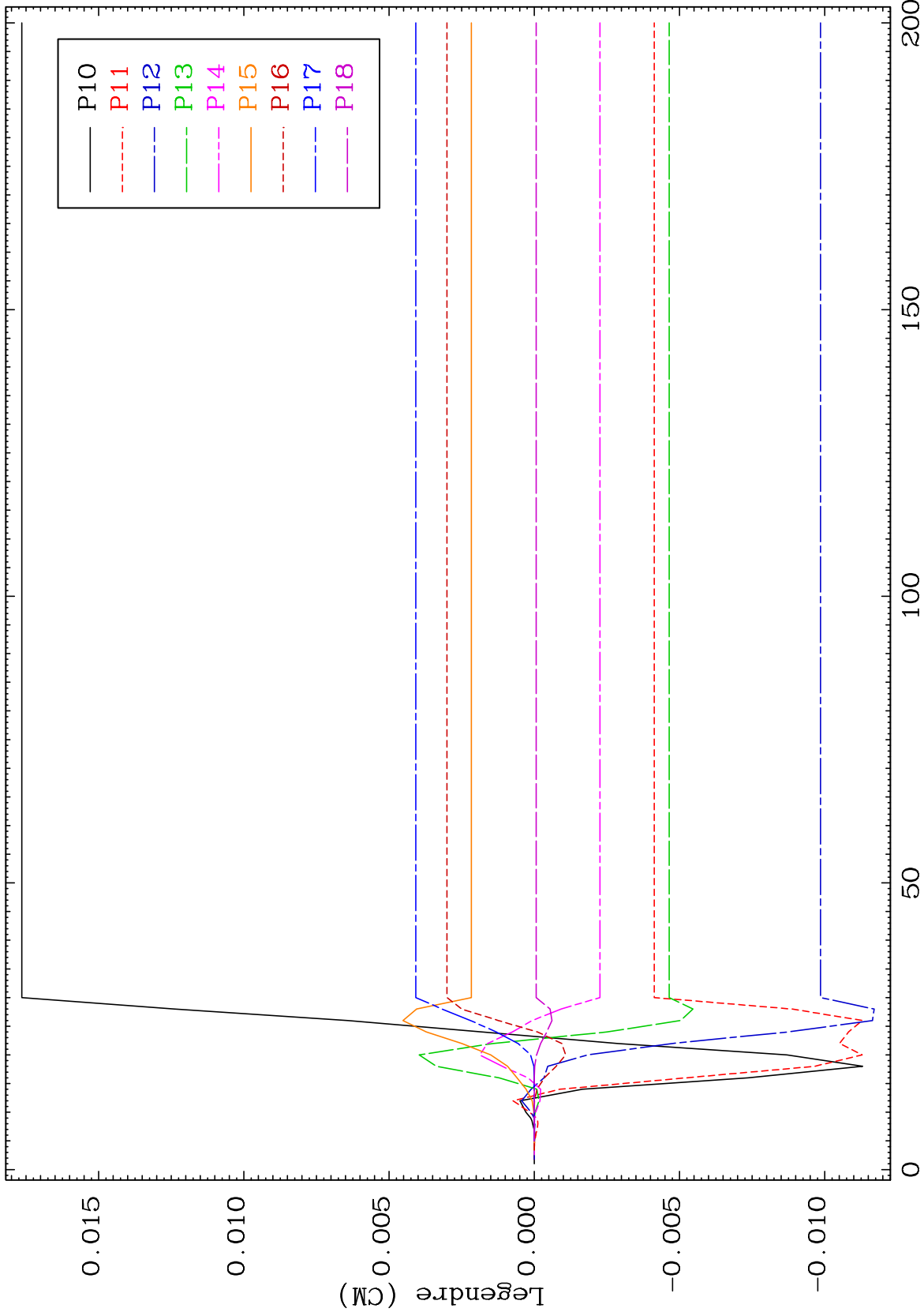
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

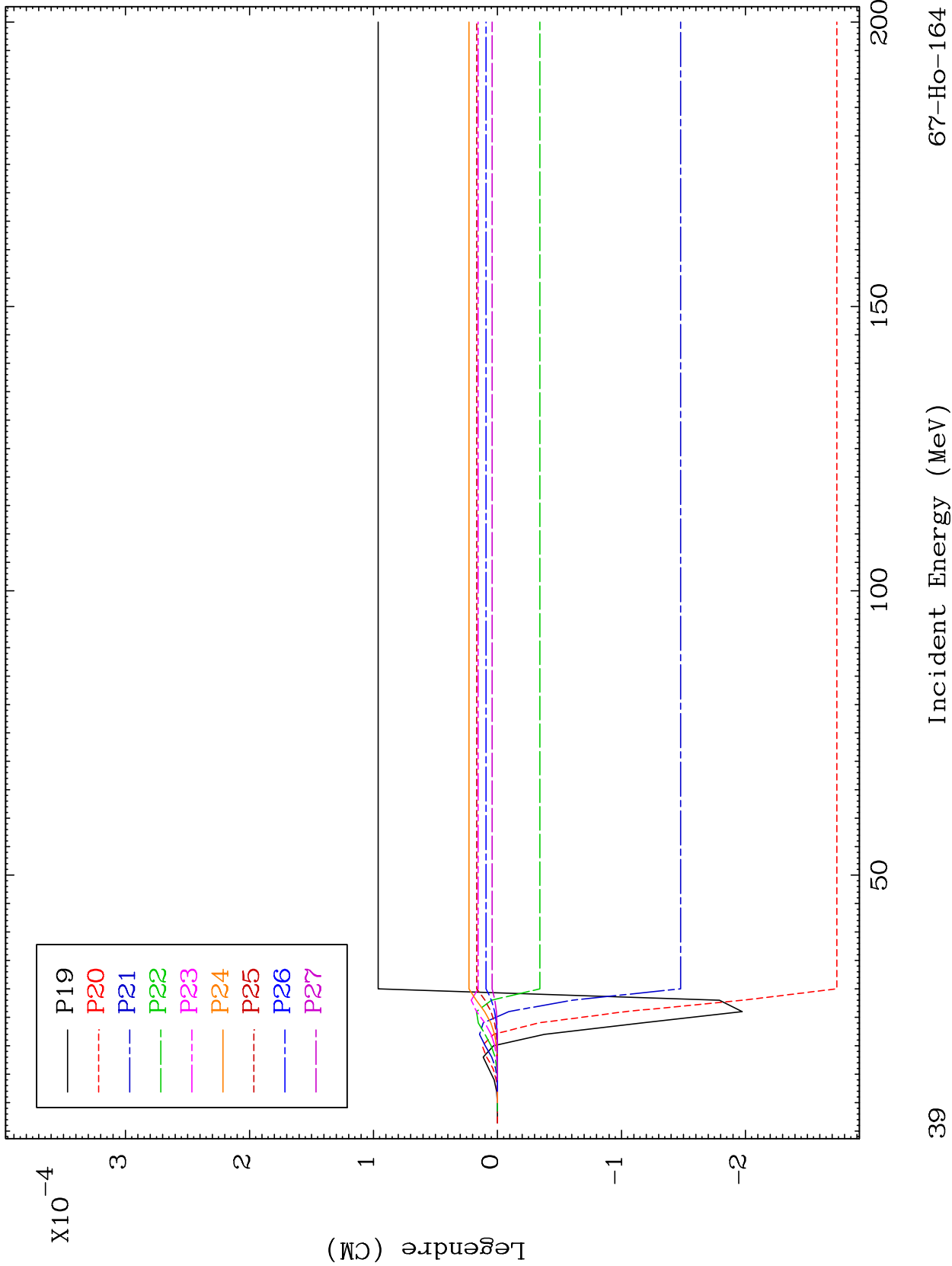
67-Ho-164



38

Incident Energy (MeV)

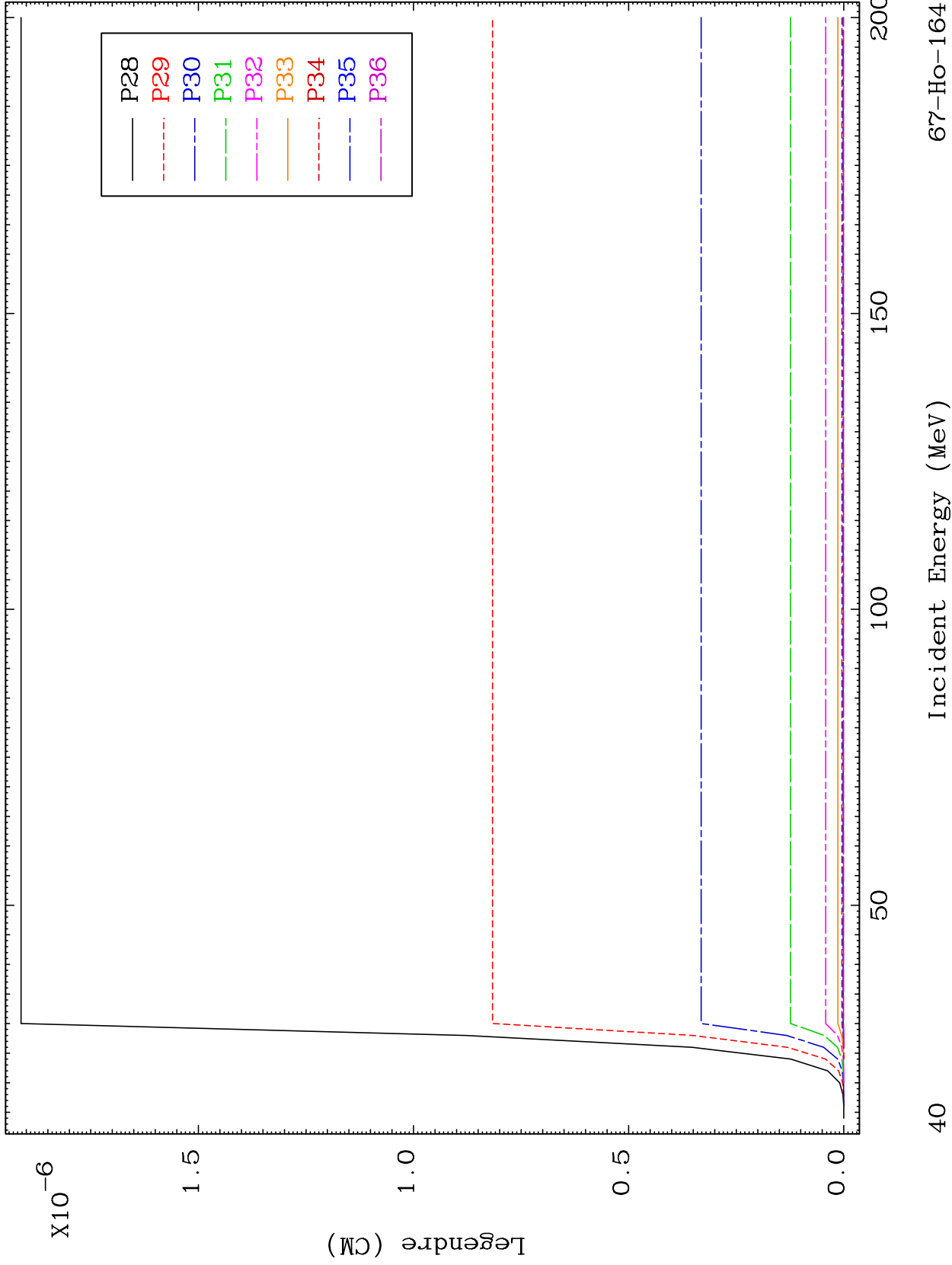
67-Ho-164



MAT 6722

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

67-Ho-164

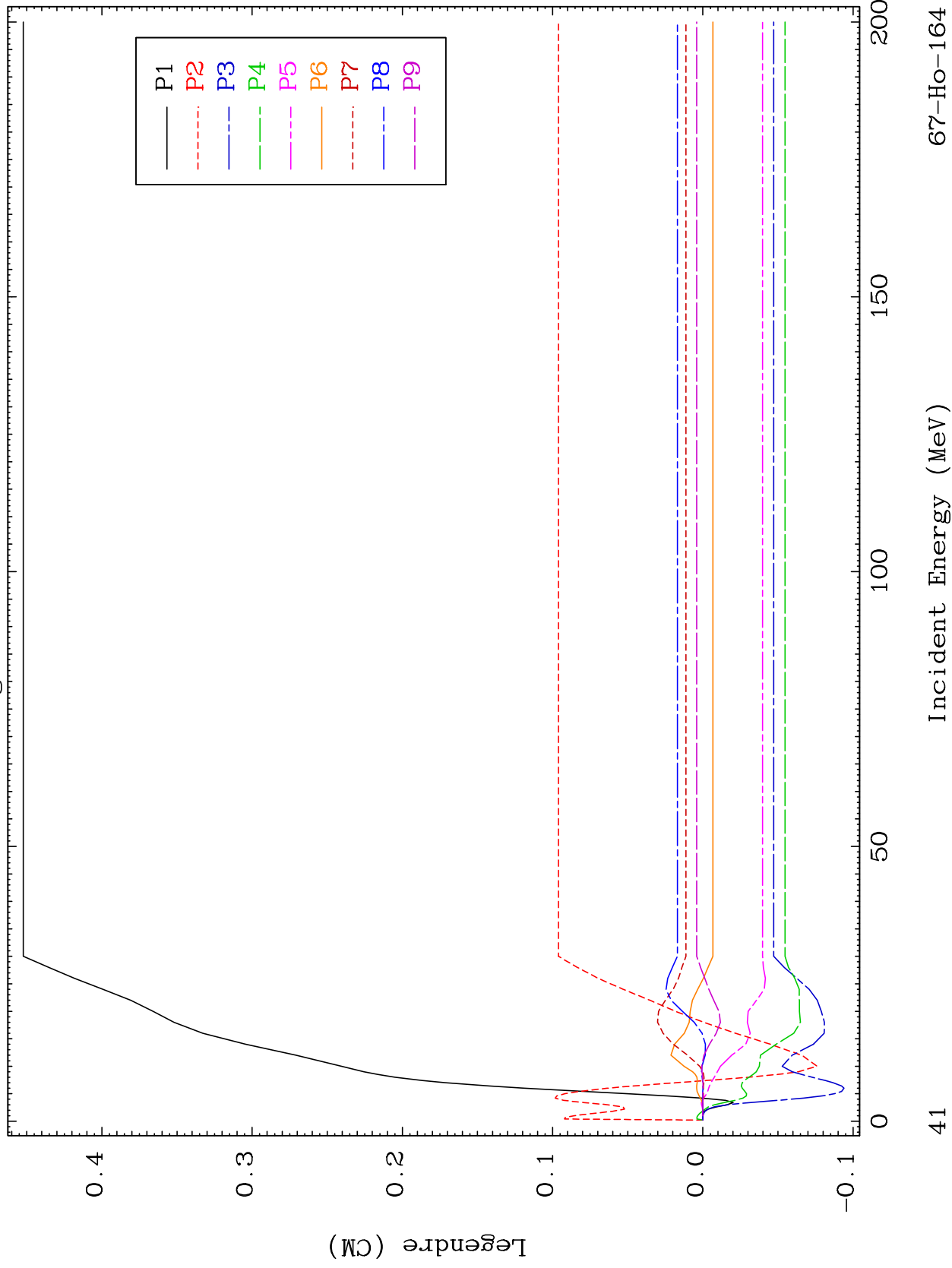


67-Ho-164

MAT 6722

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

67-Ho-164



67-Ho-164

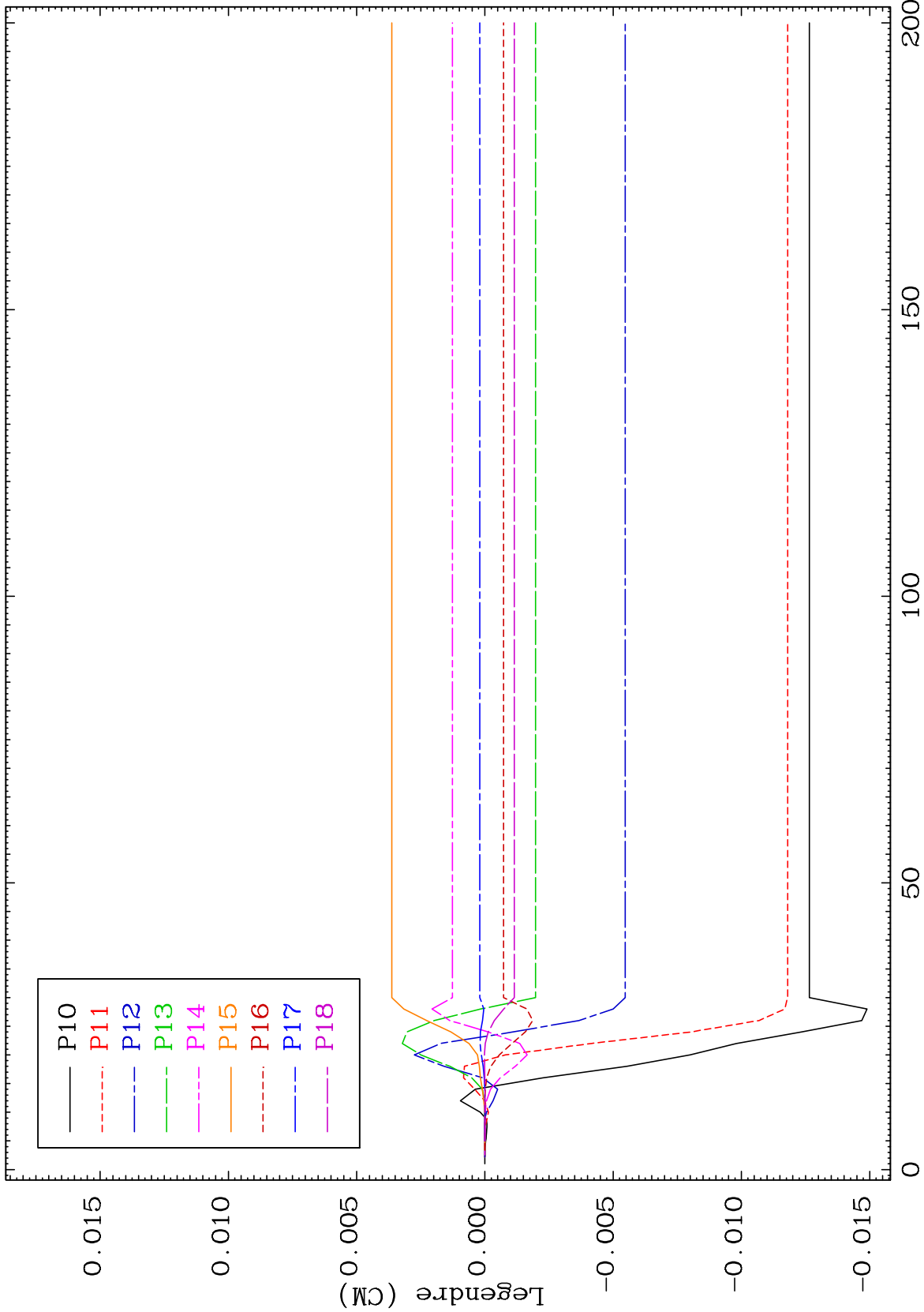
Incident Energy (MeV)

41

MAT 6722

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

67-Ho-164



42

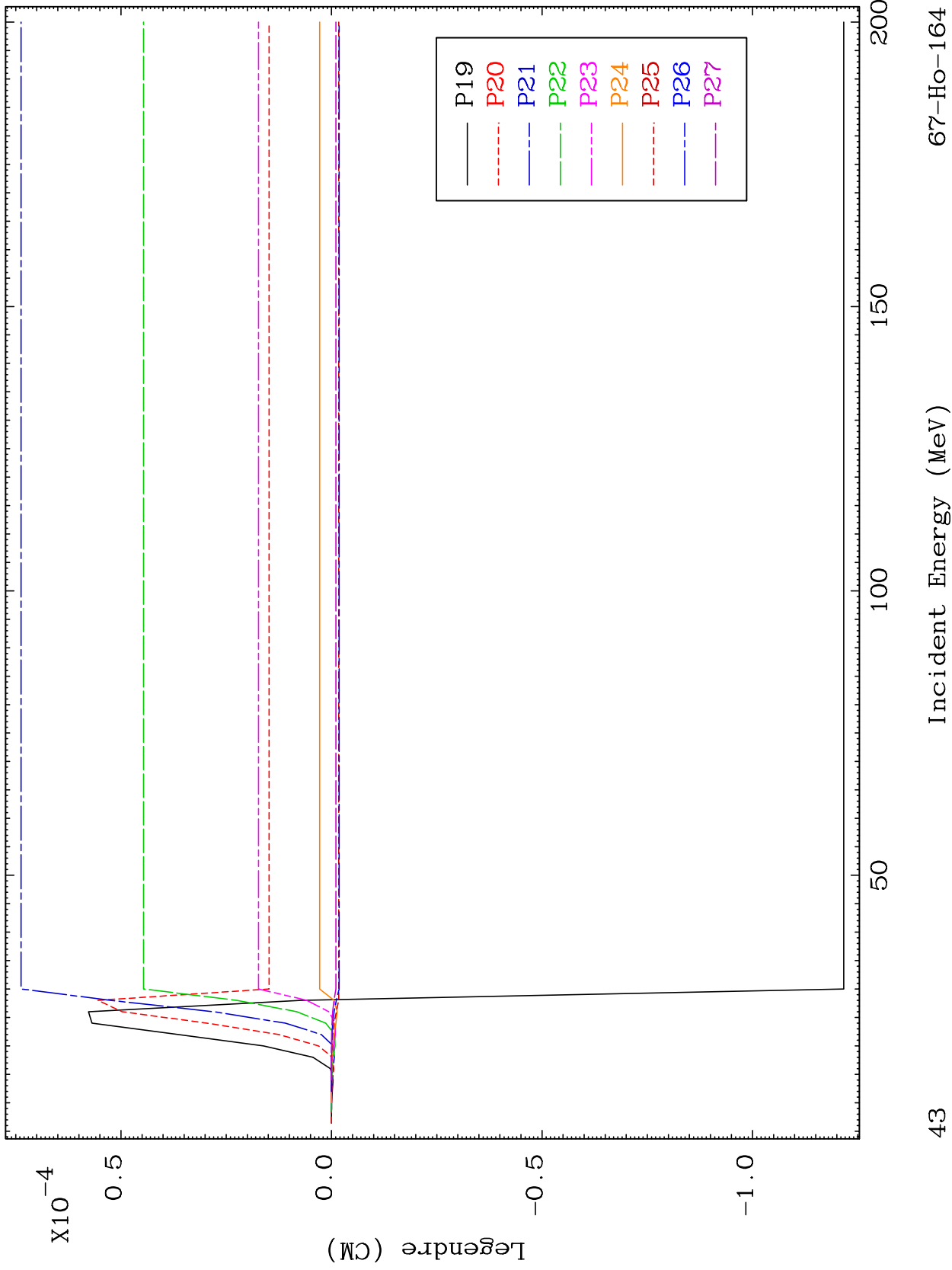
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

67-Ho-164



43

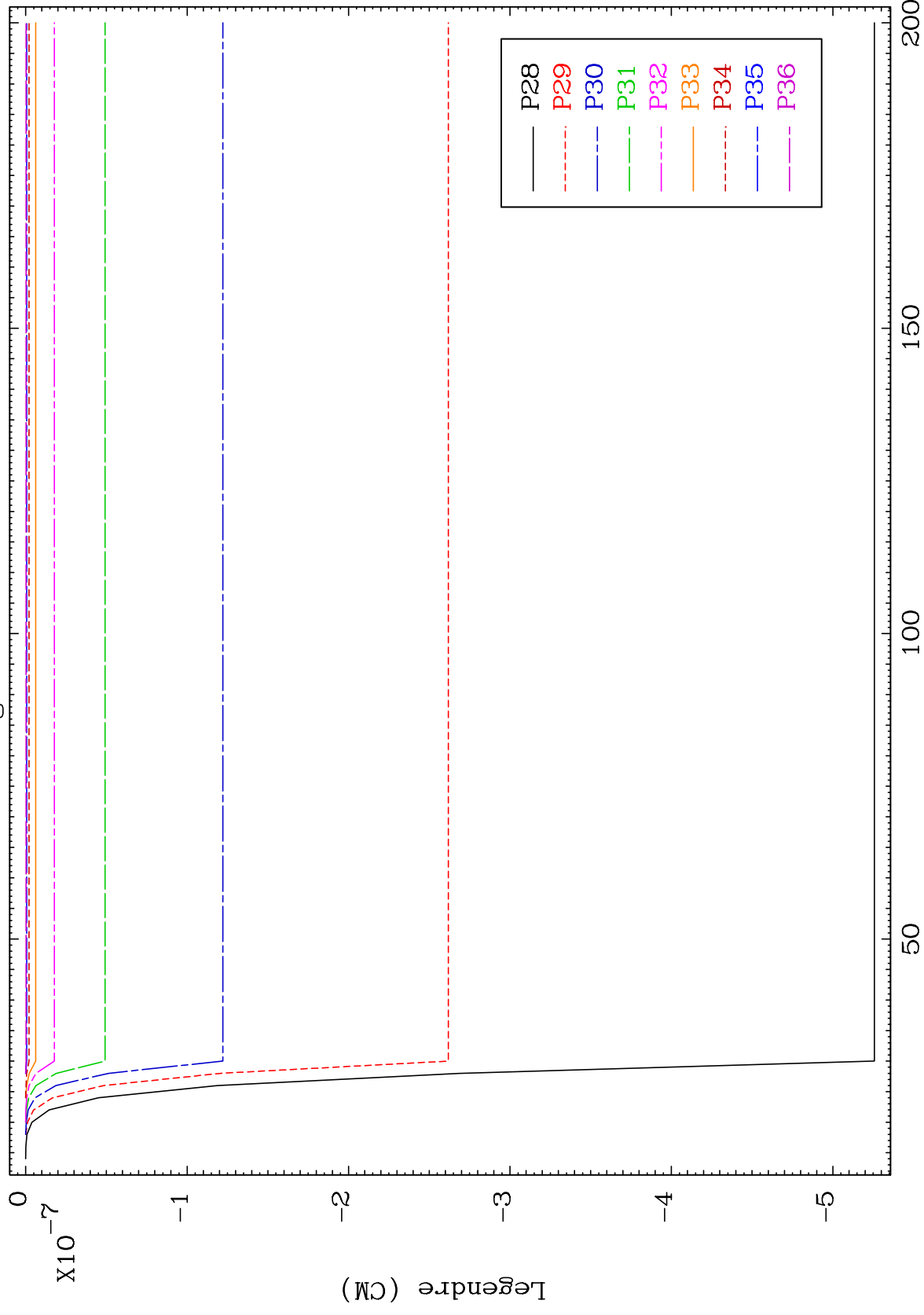
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

67-Ho-164



44

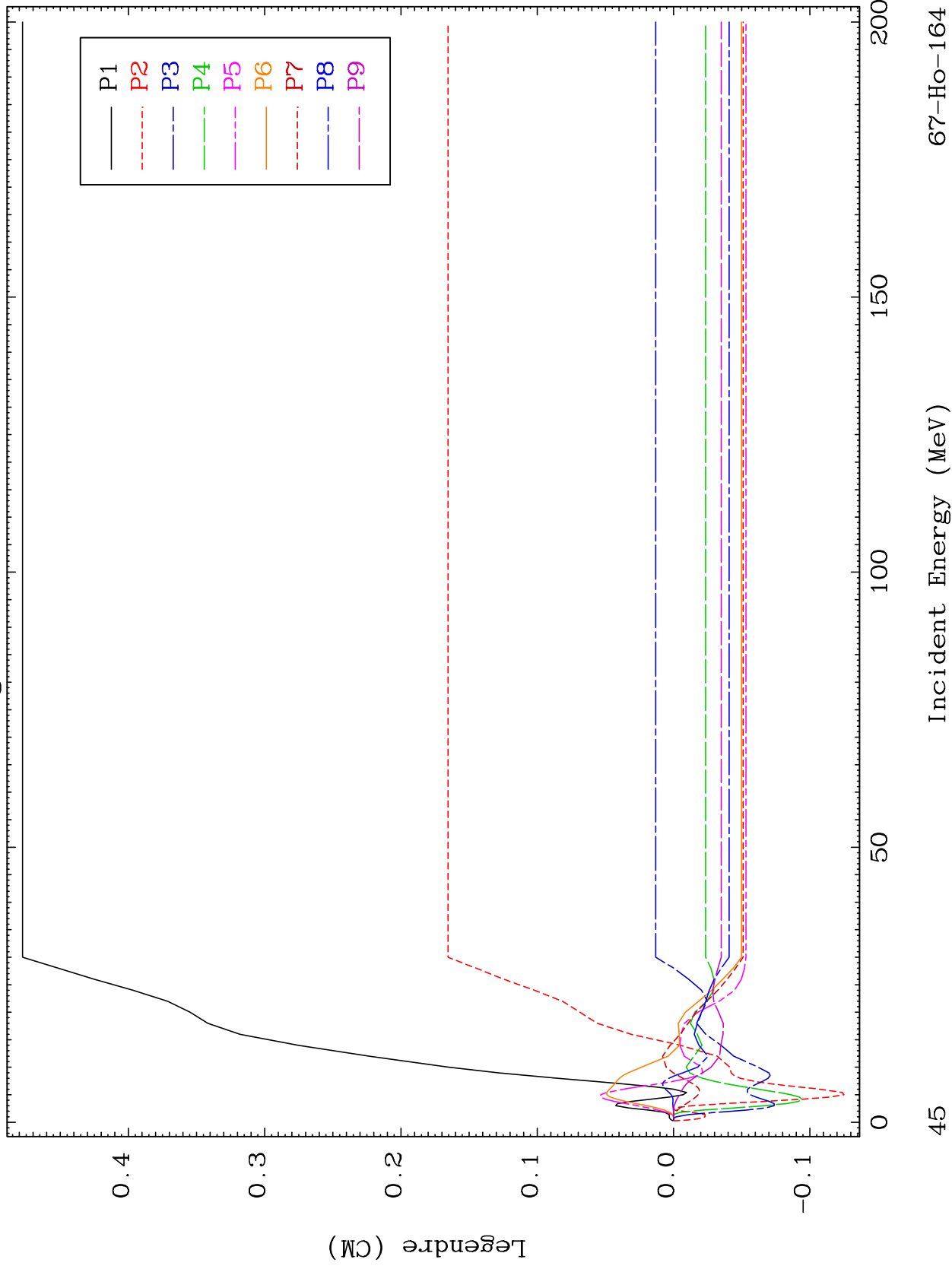
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

67-Ho-164



67-Ho-164

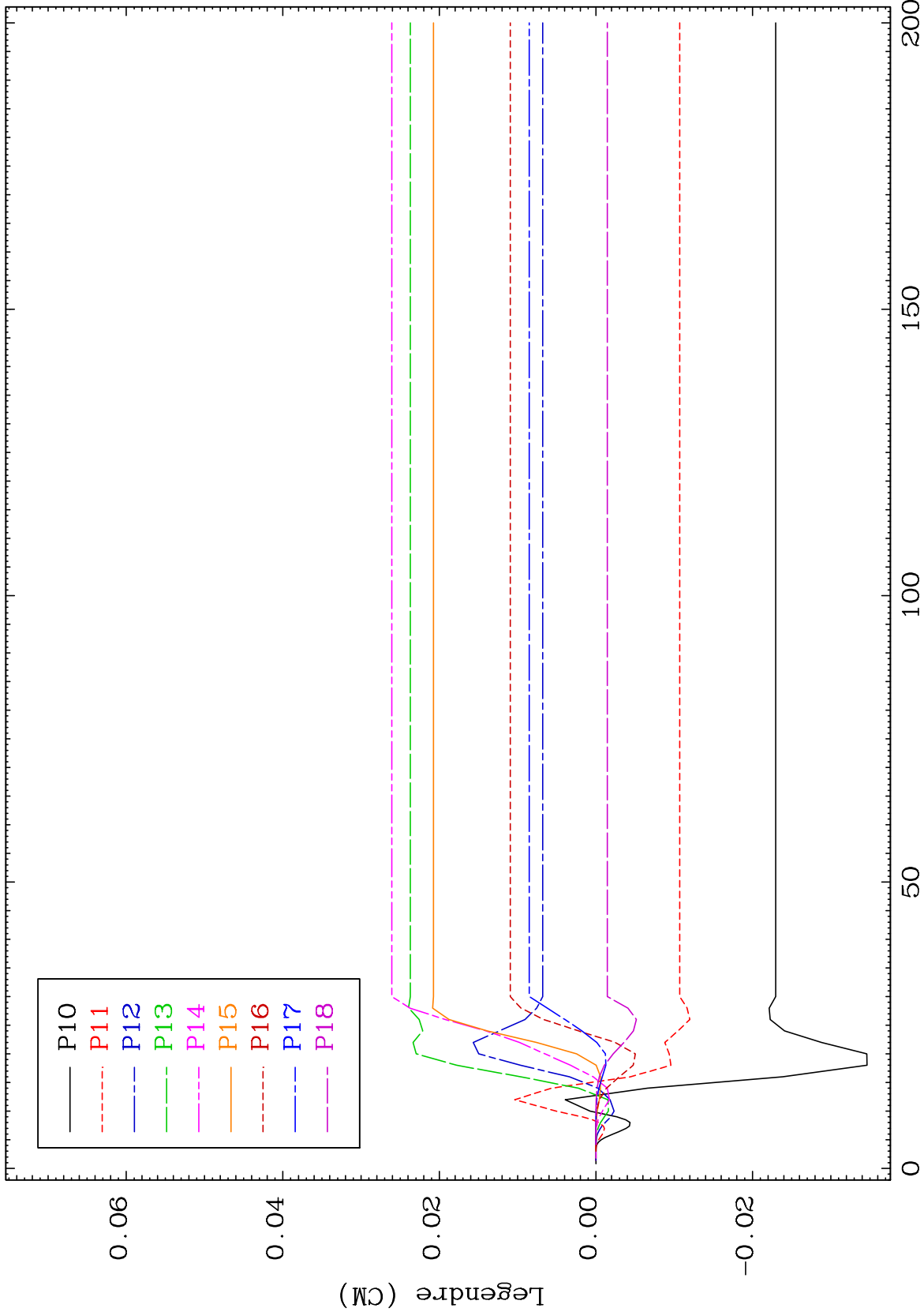
Incident Energy (MeV)

45

MAT 6722

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

67-Ho-164



46

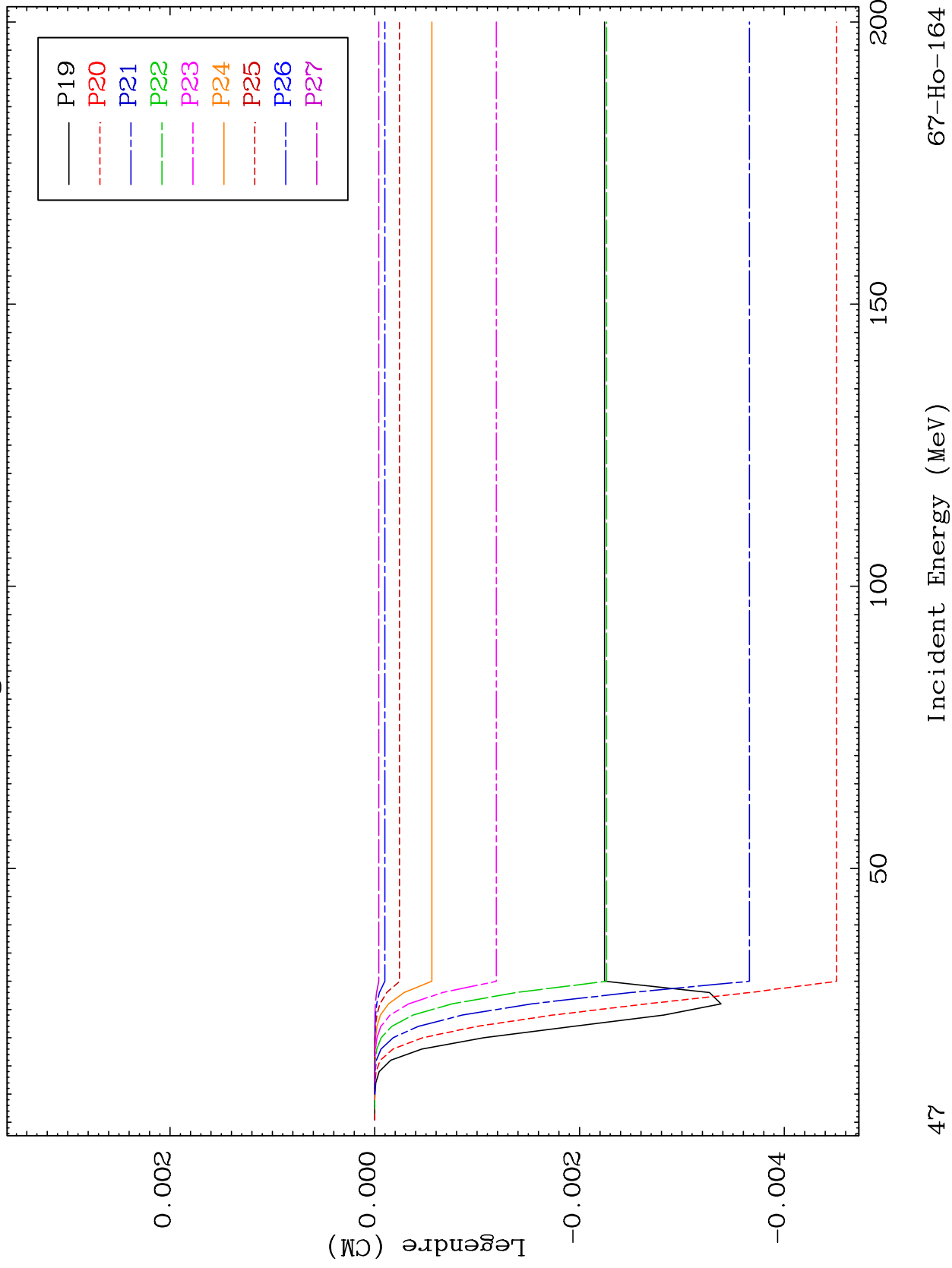
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

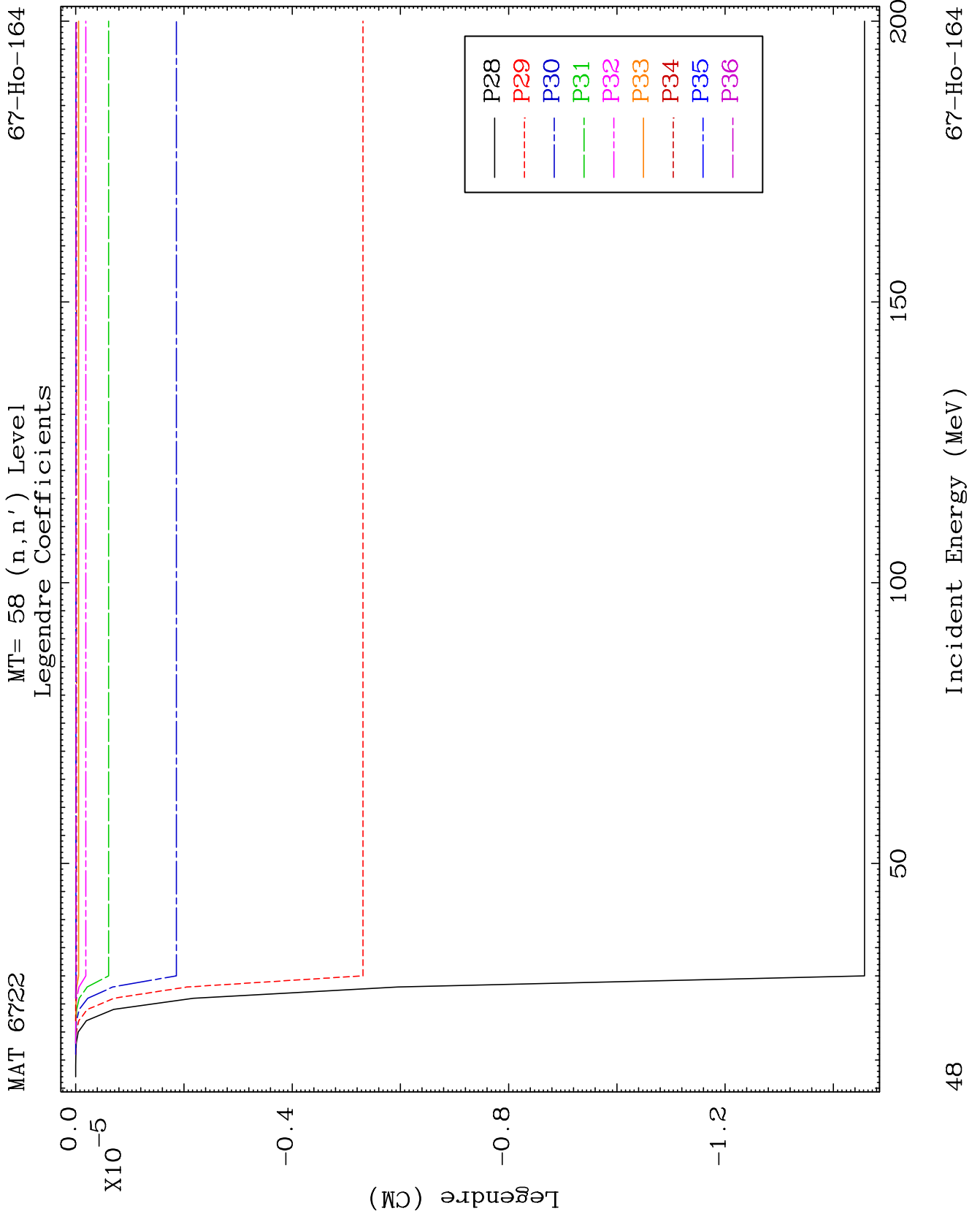
67-Ho-164



47

Incident Energy (MeV)

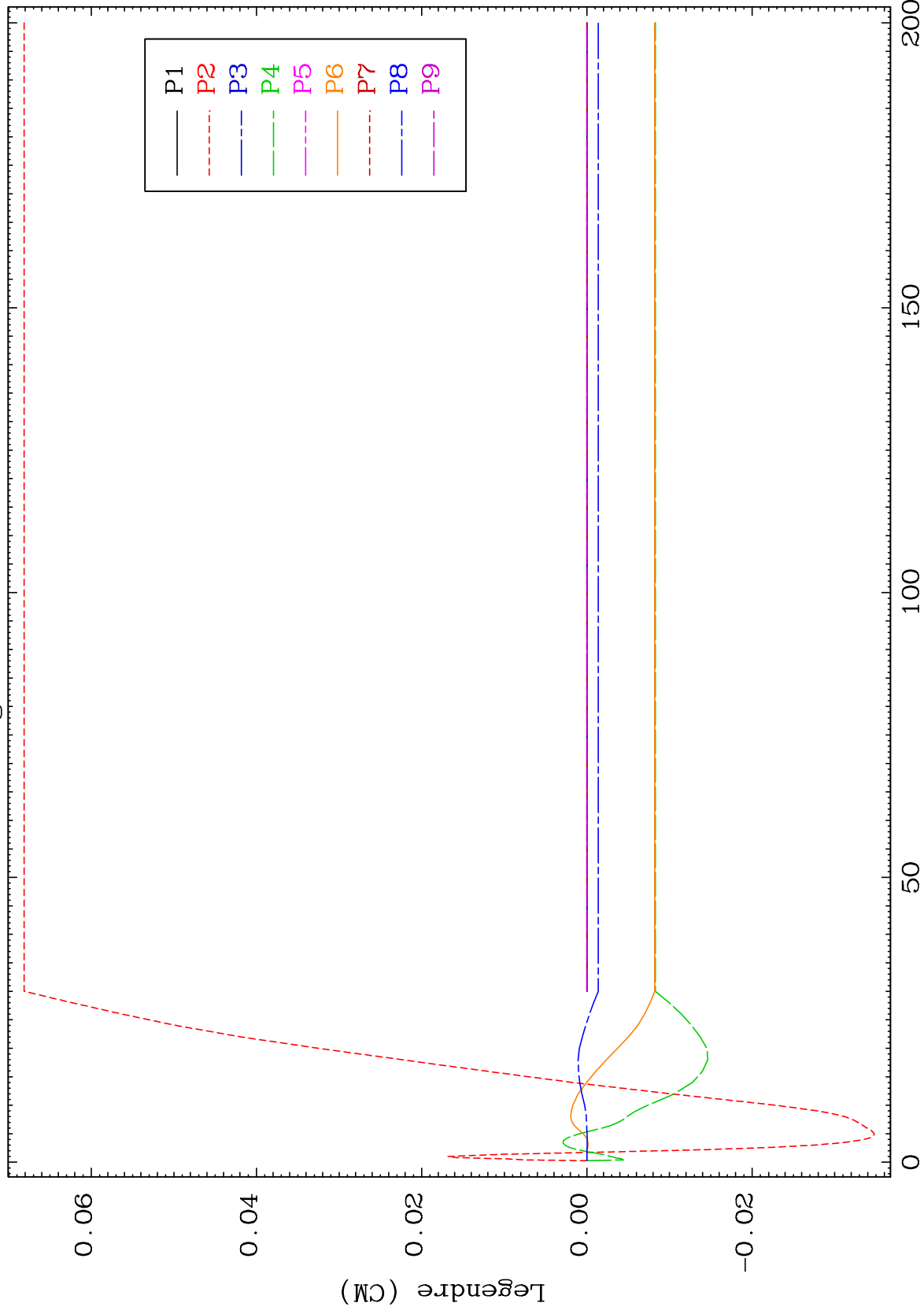
67-Ho-164



MAT 6722

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

67-Ho-164



49

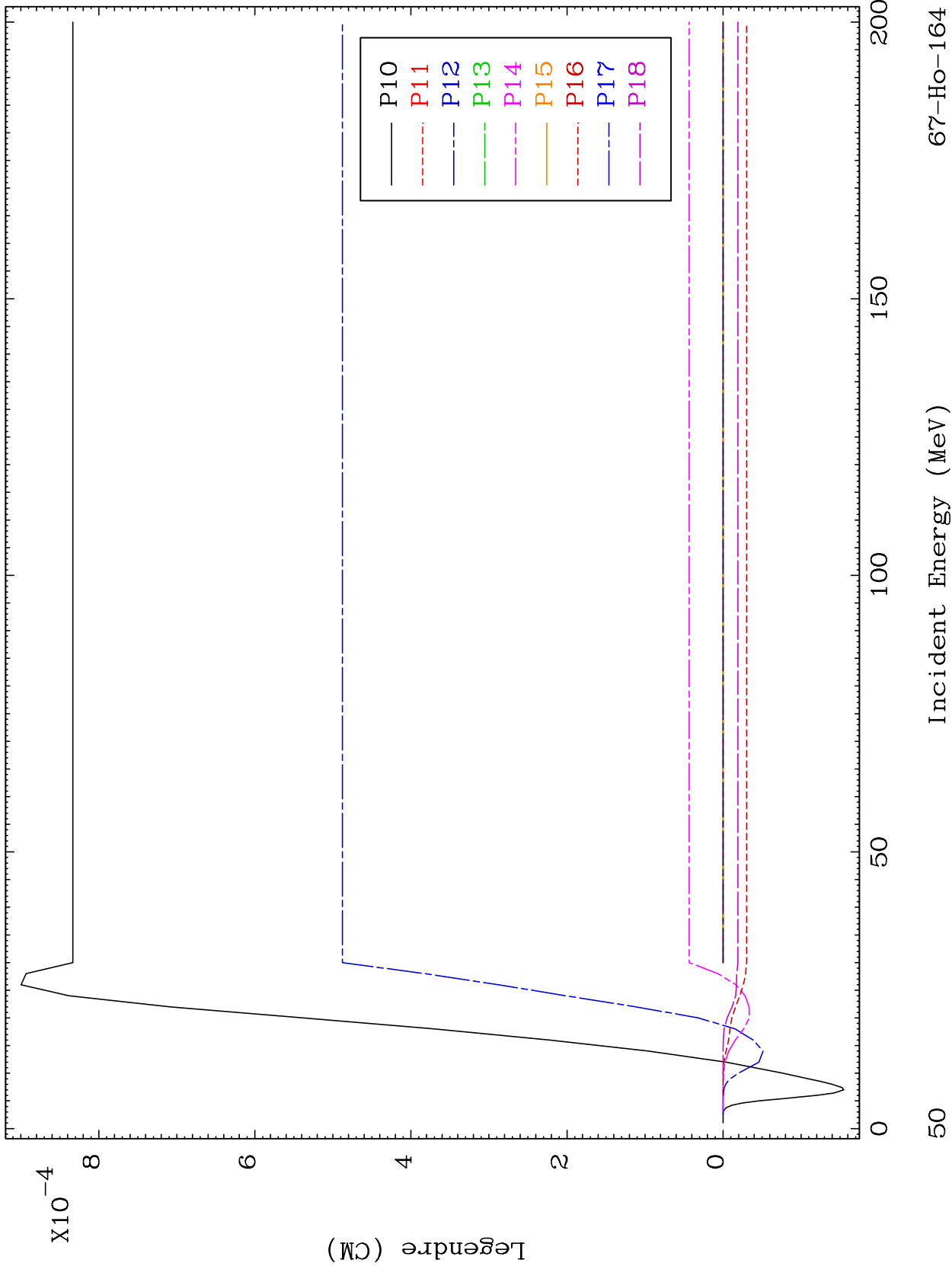
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

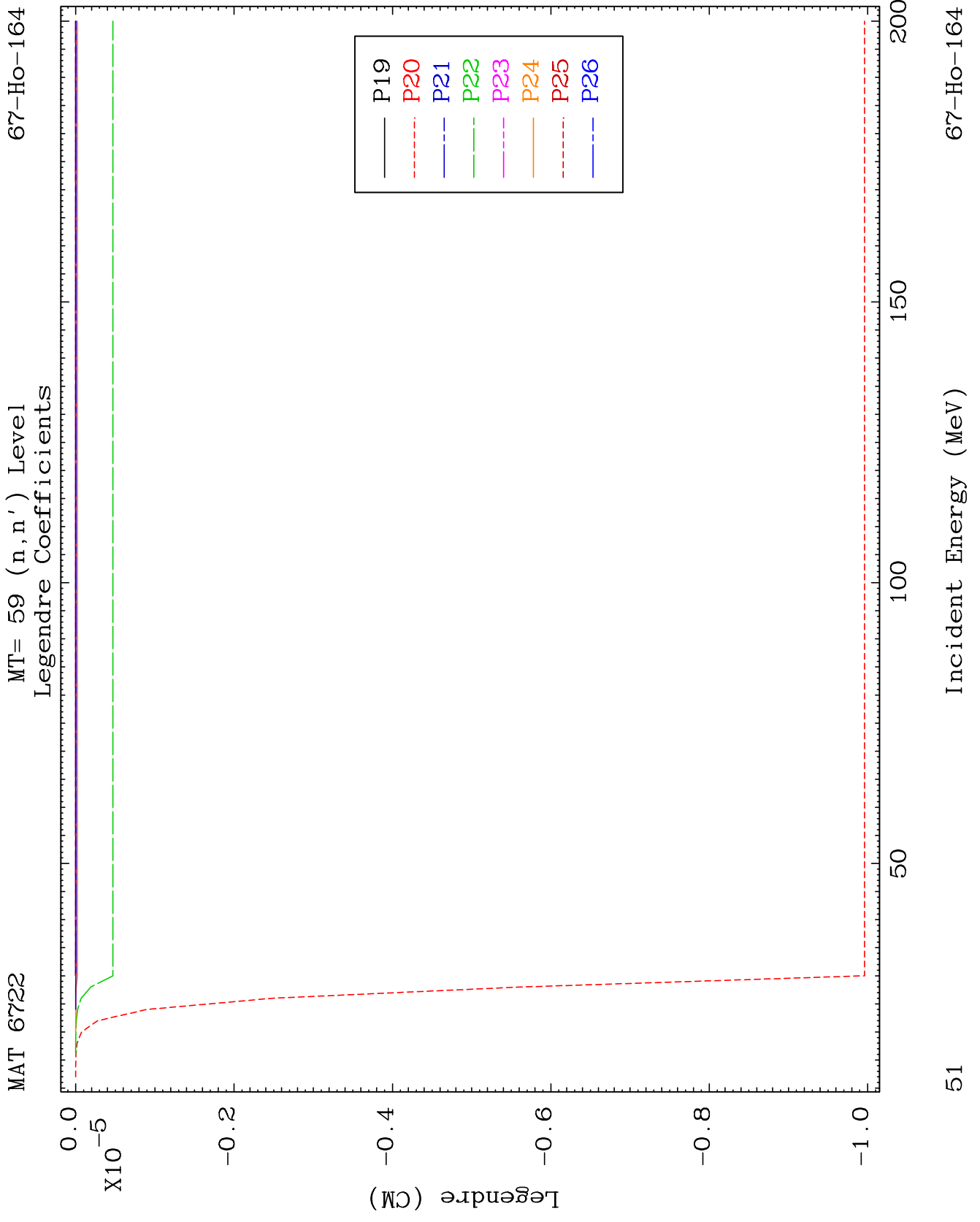
67-Ho-164



67-Ho-164

Incident Energy (MeV)

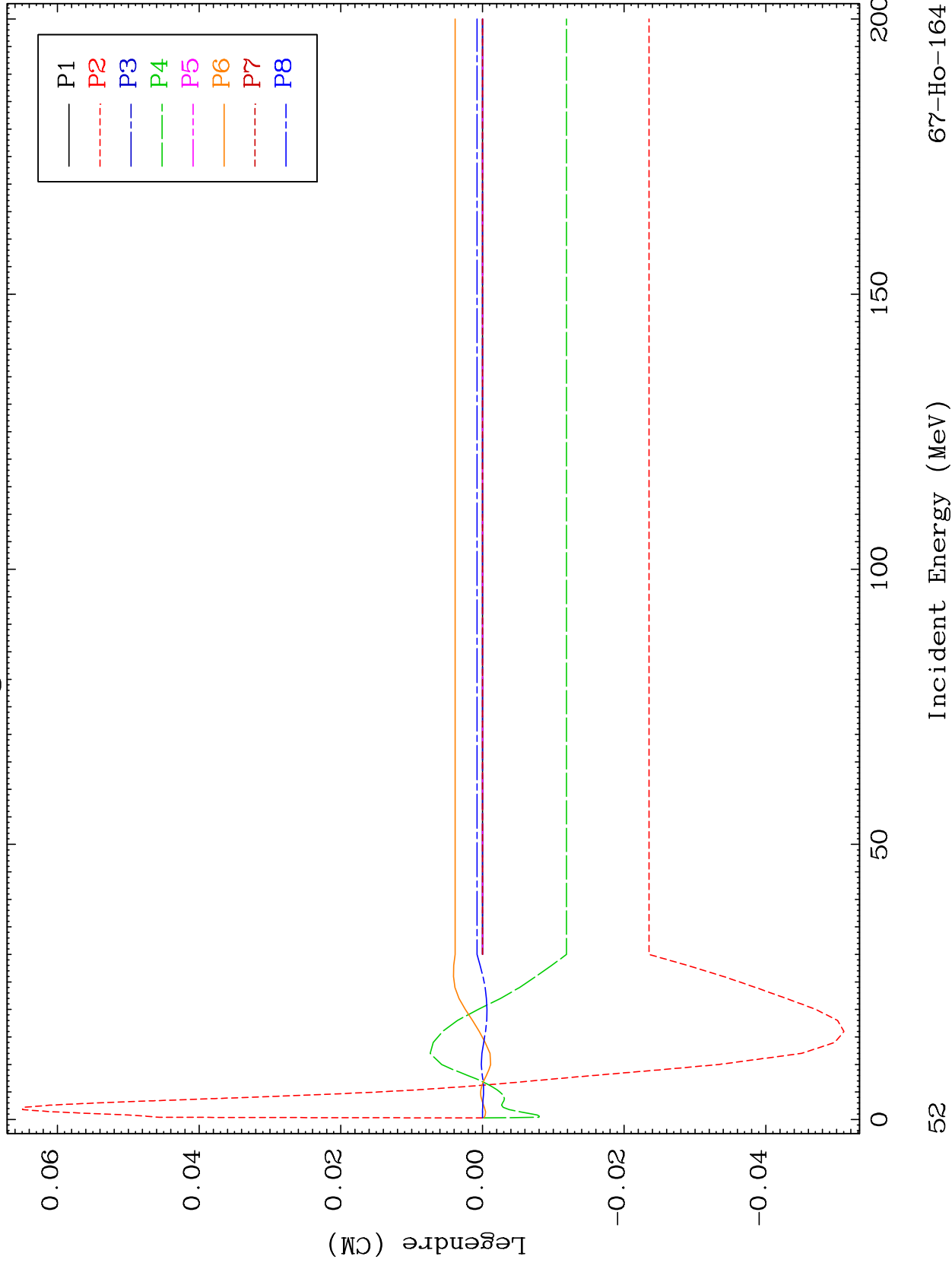
50



MAT 6722

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

67-Ho-164



67-Ho-164

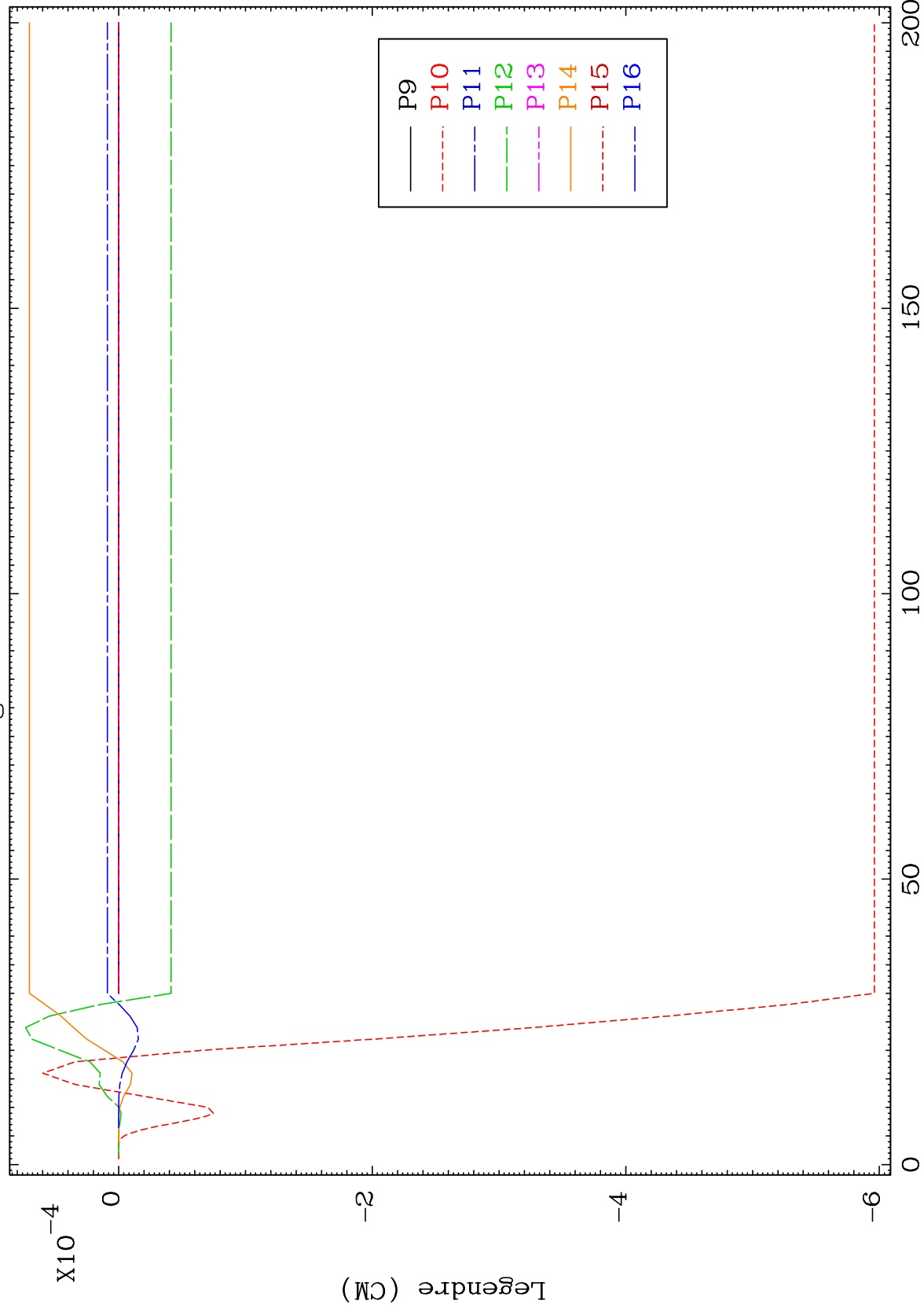
Incident Energy (MeV)

52

MAT 6722

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

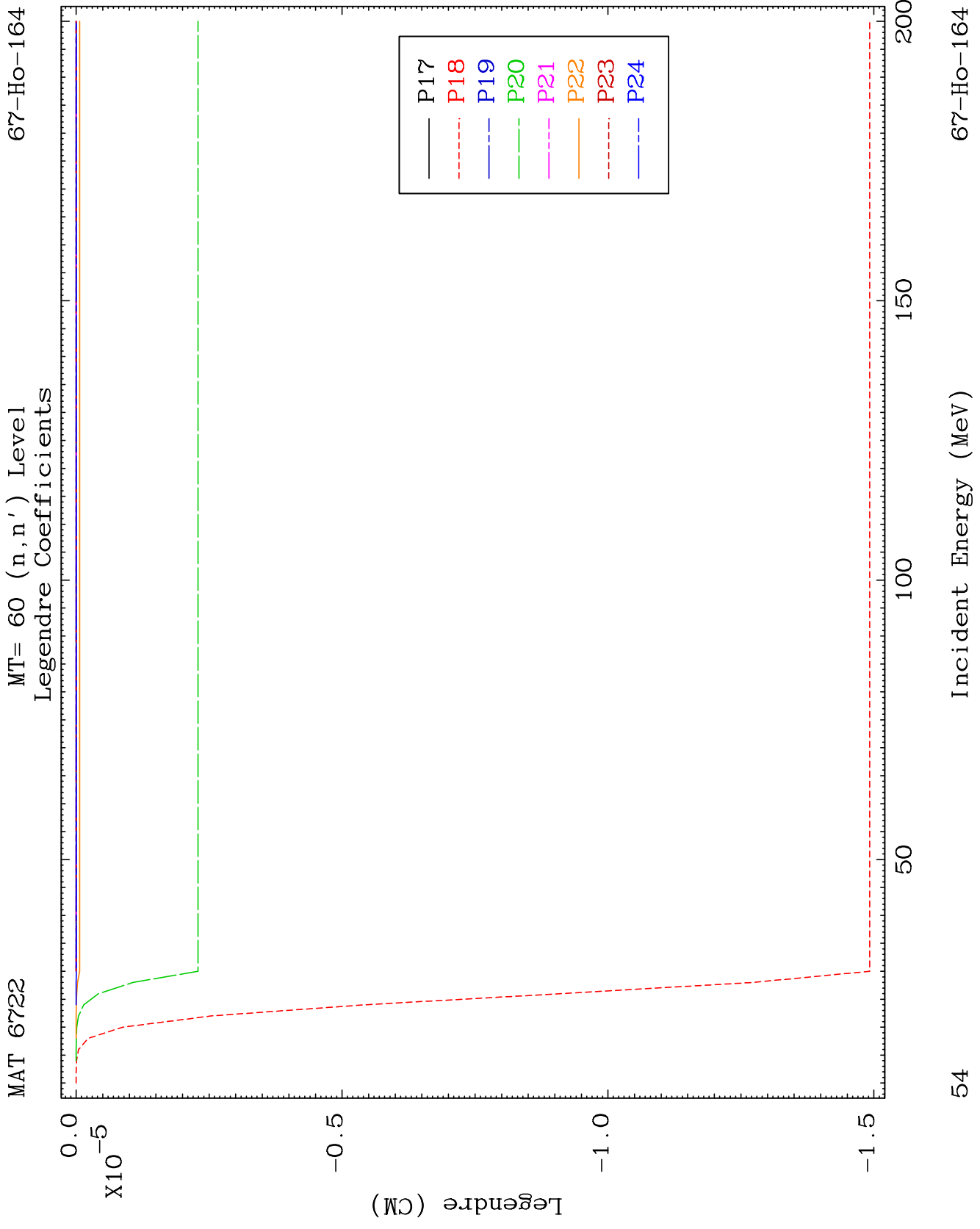
67-Ho-164



53

Incident Energy (MeV)

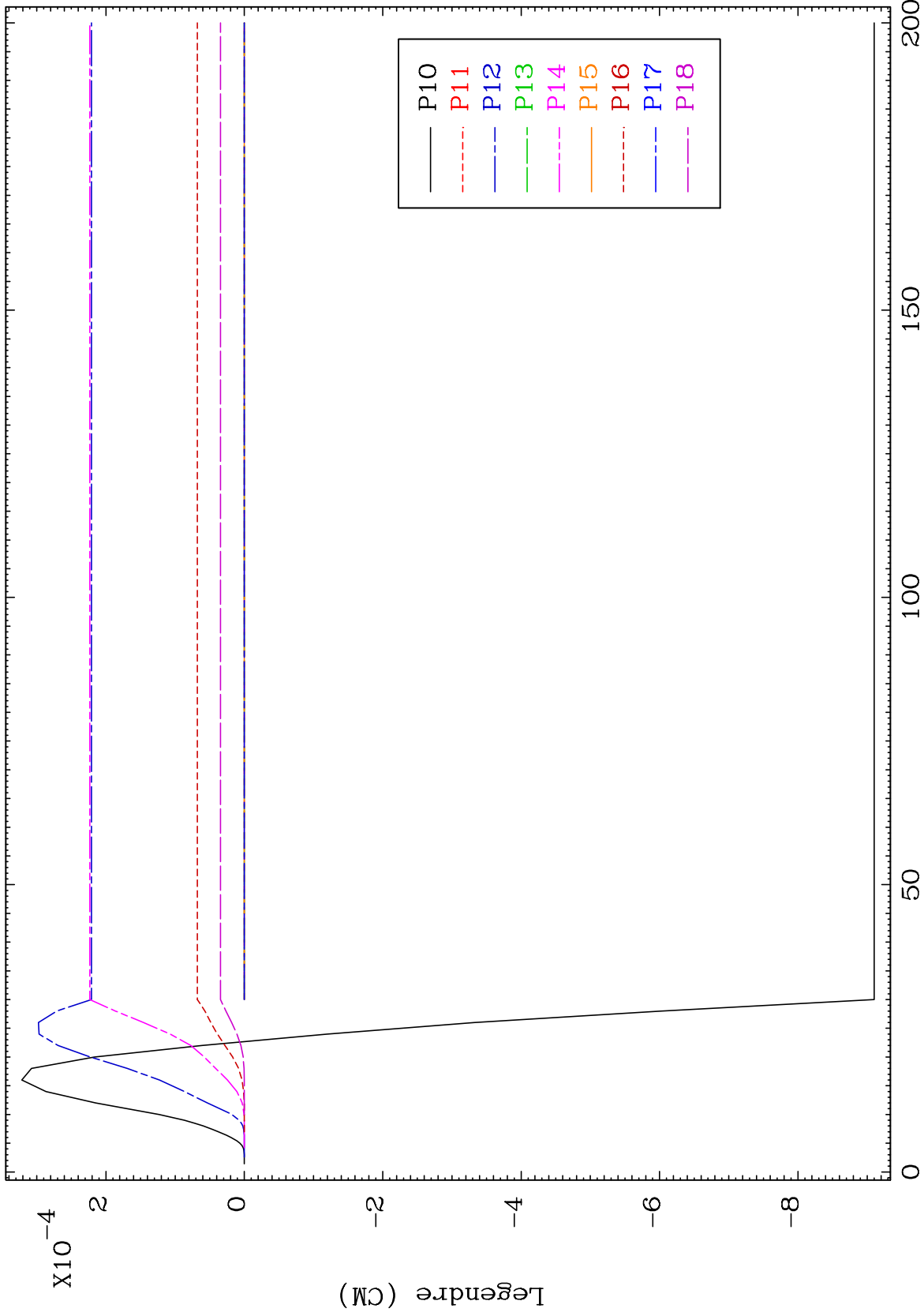
67-Ho-164



MAT 6722

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

67-Ho-164



56

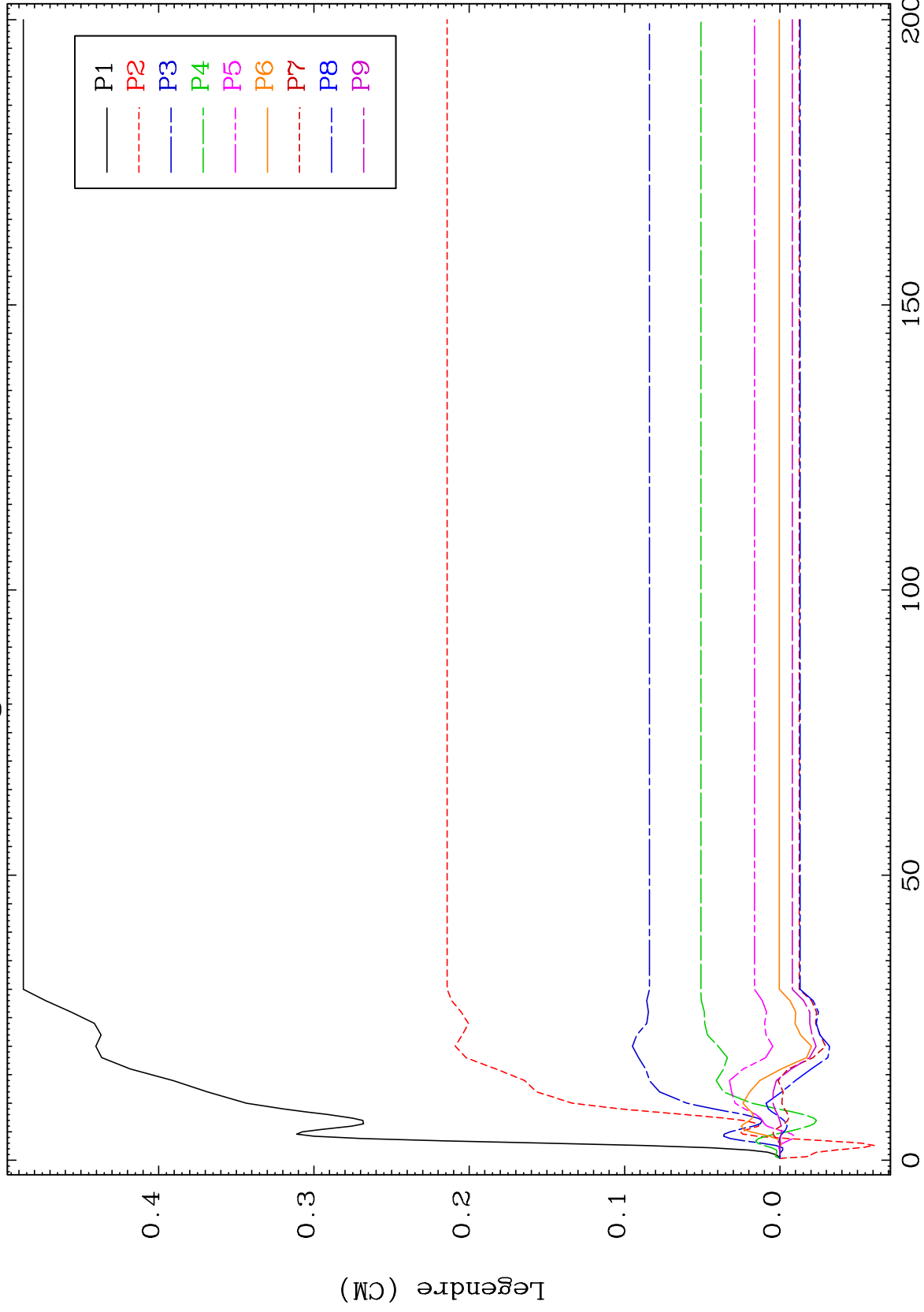
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

67-Ho-164



67-Ho-164

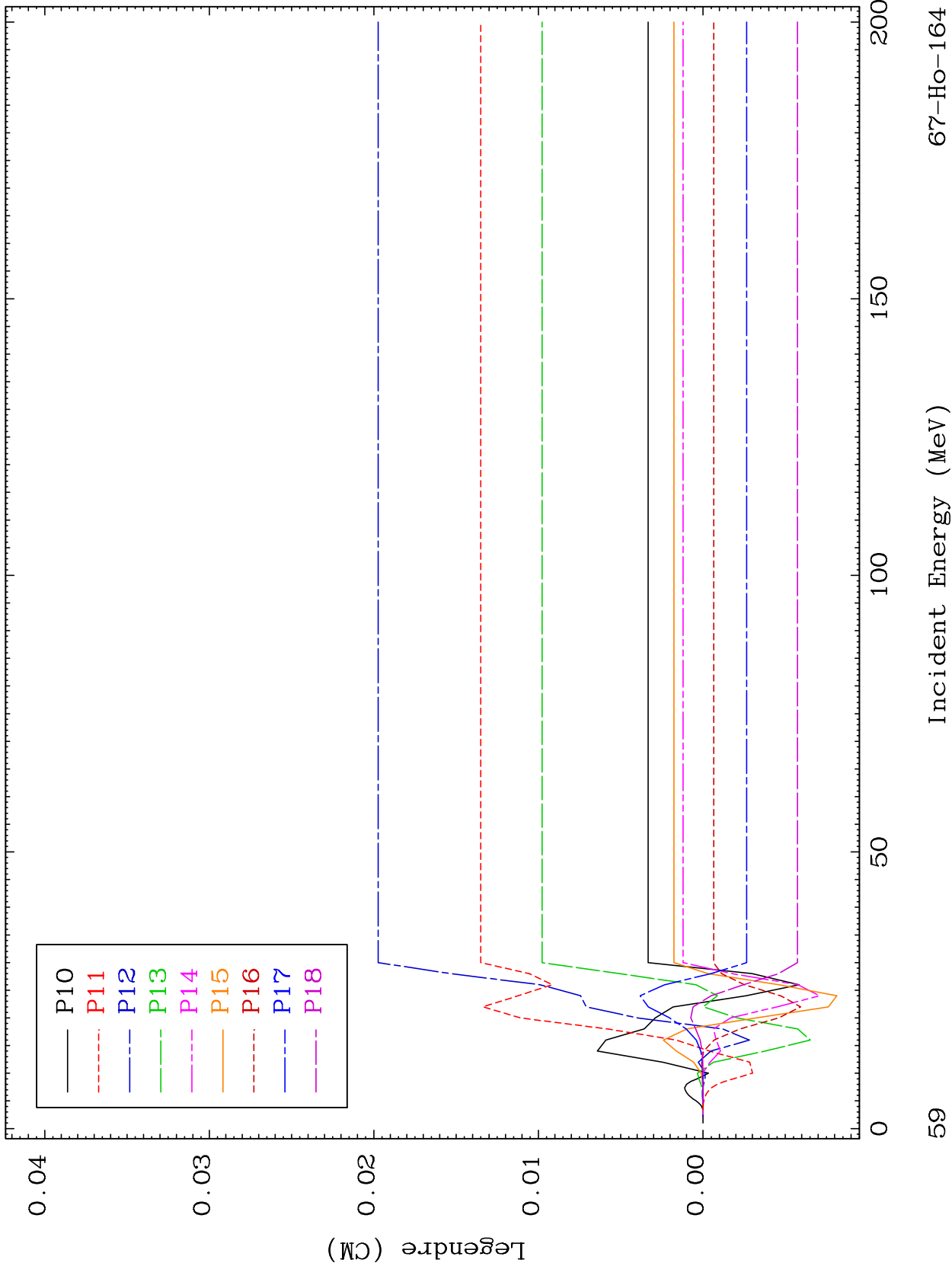
Incident Energy (MeV)

58

MAT 6722

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

67-Ho-164



59

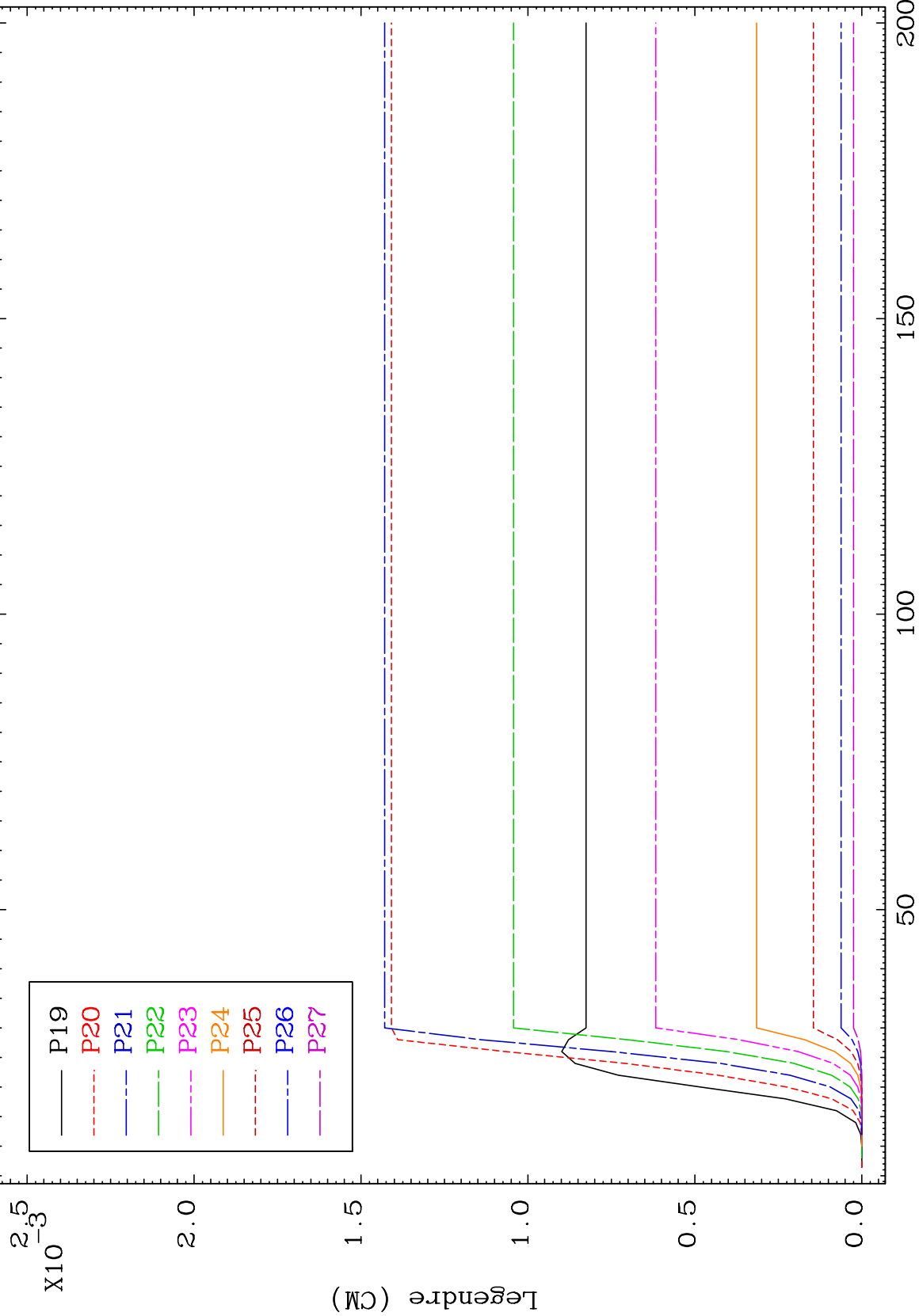
Incident Energy (MeV)

67-Ho-164

MAT 67222

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

67-Ho-164



60

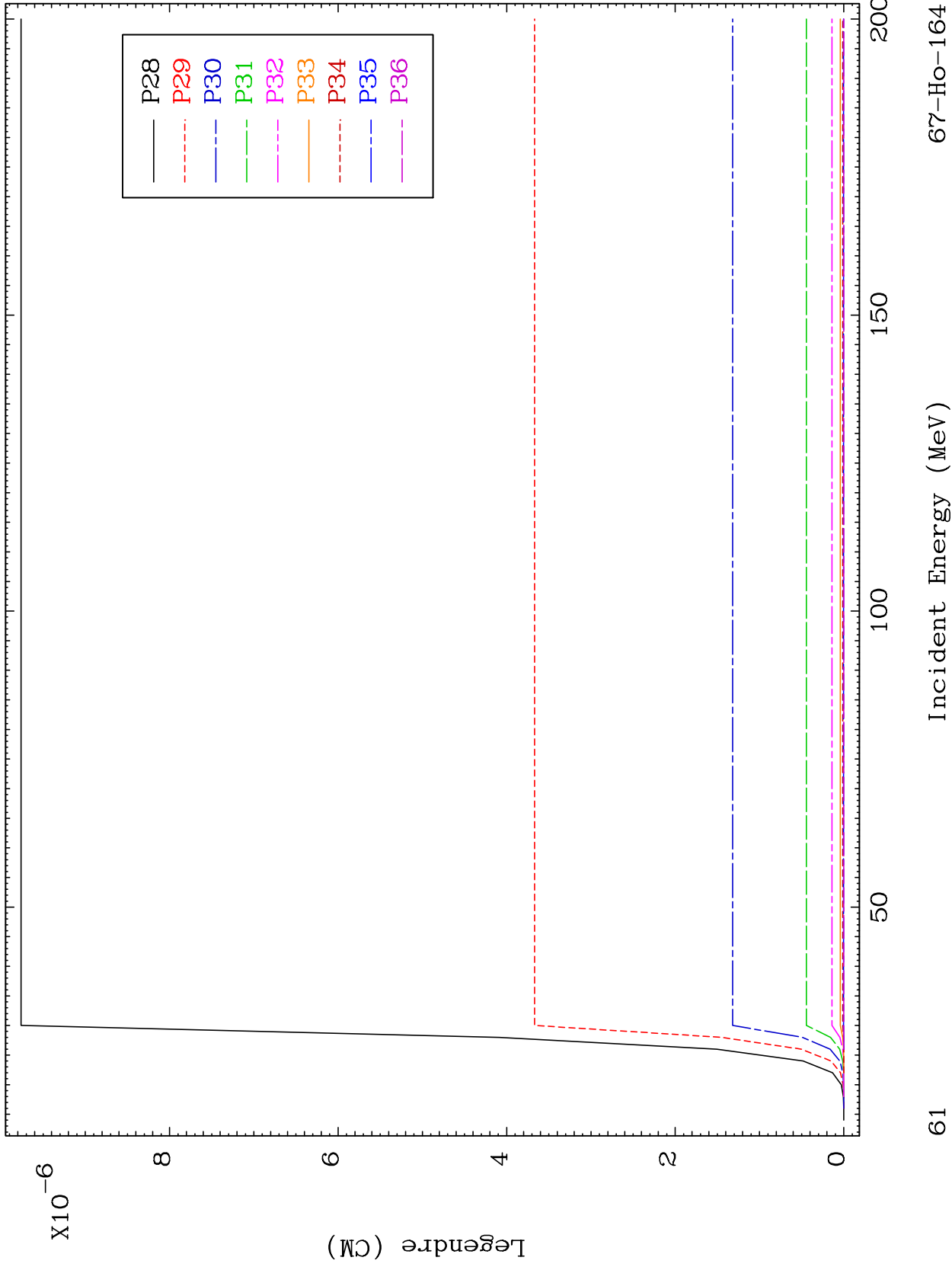
Incident Energy (MeV)

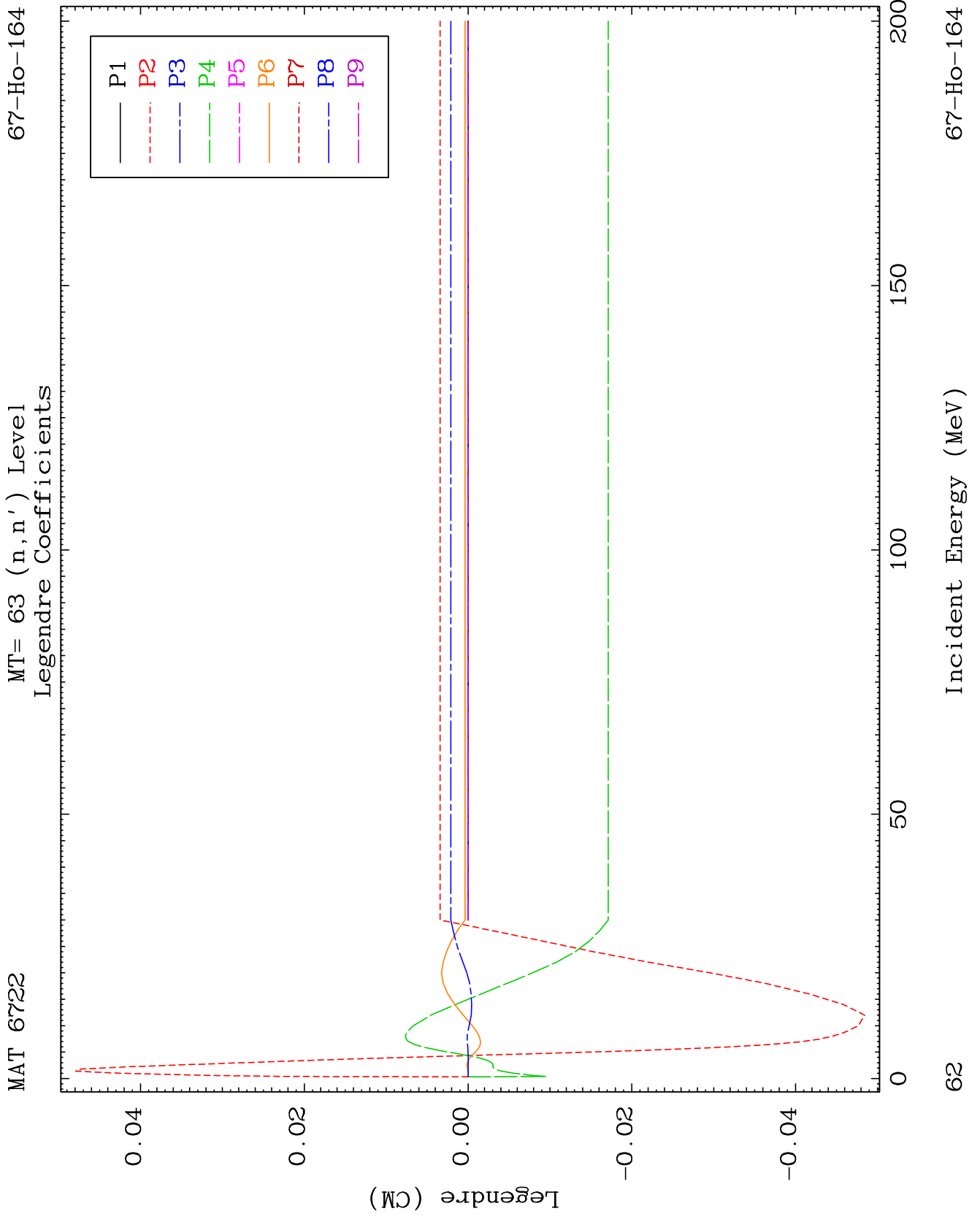
67-Ho-164

MAT 6722

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

67-Ho-164

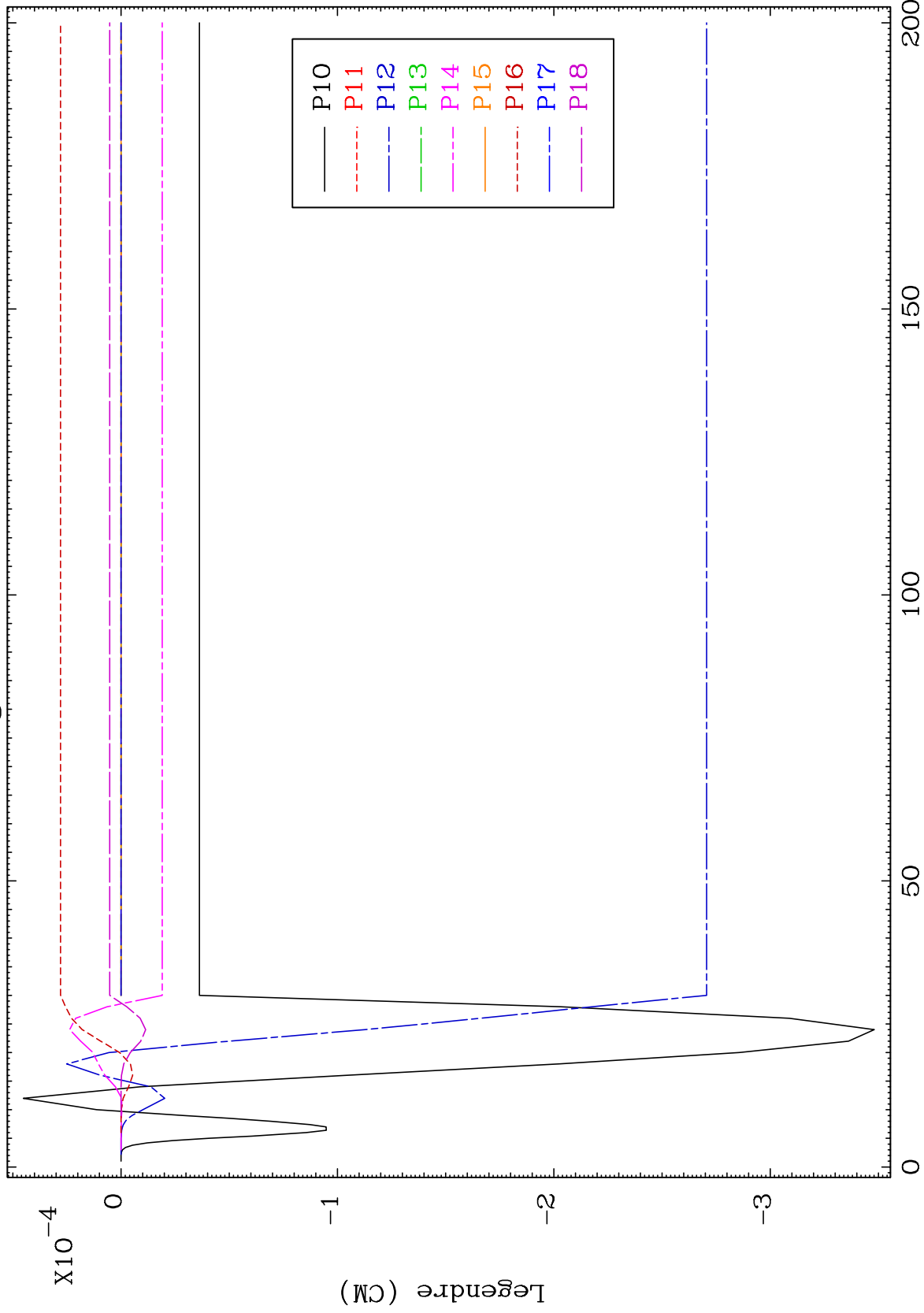




MAT 6722

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

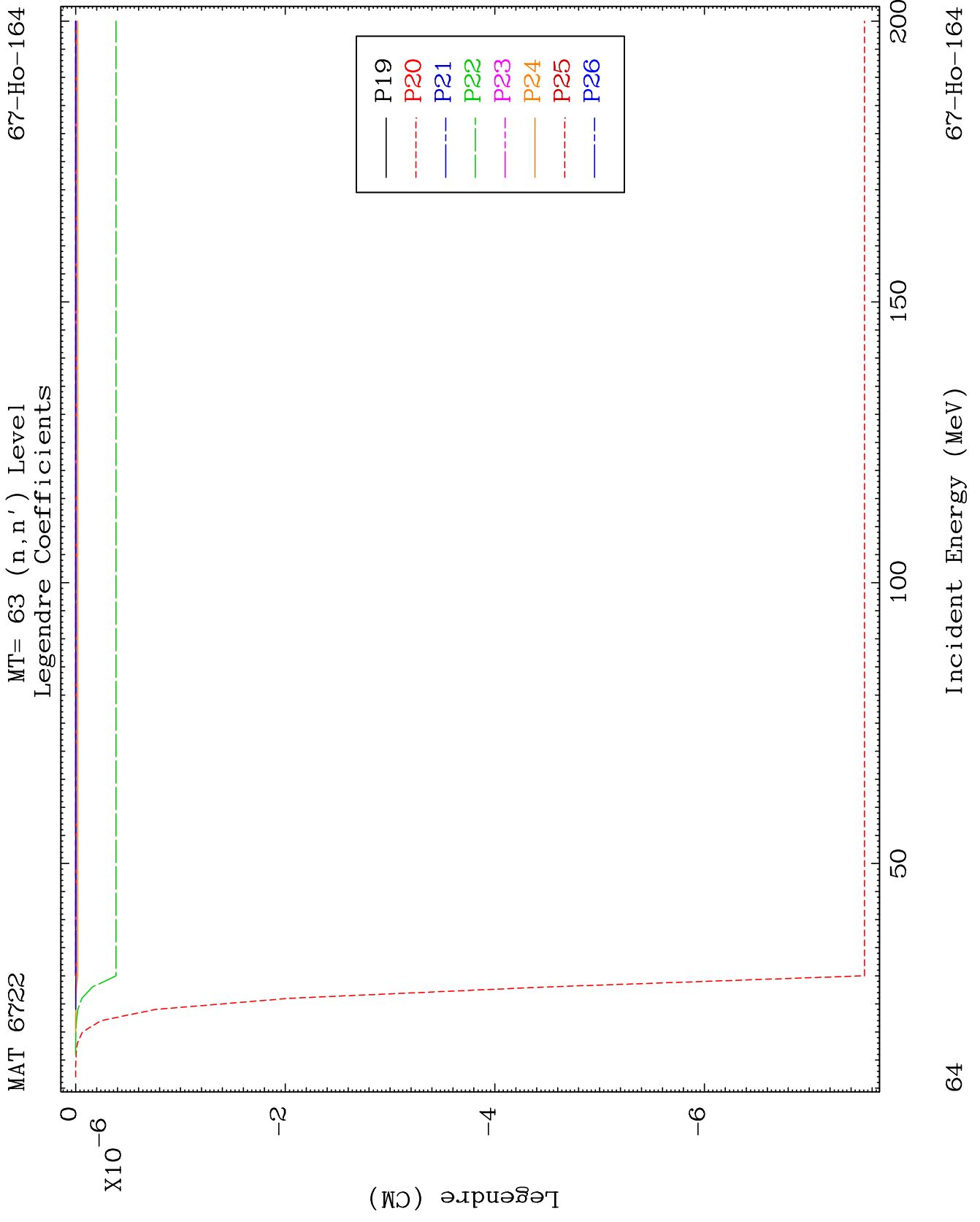
67-Ho-164



63

Incident Energy (MeV)

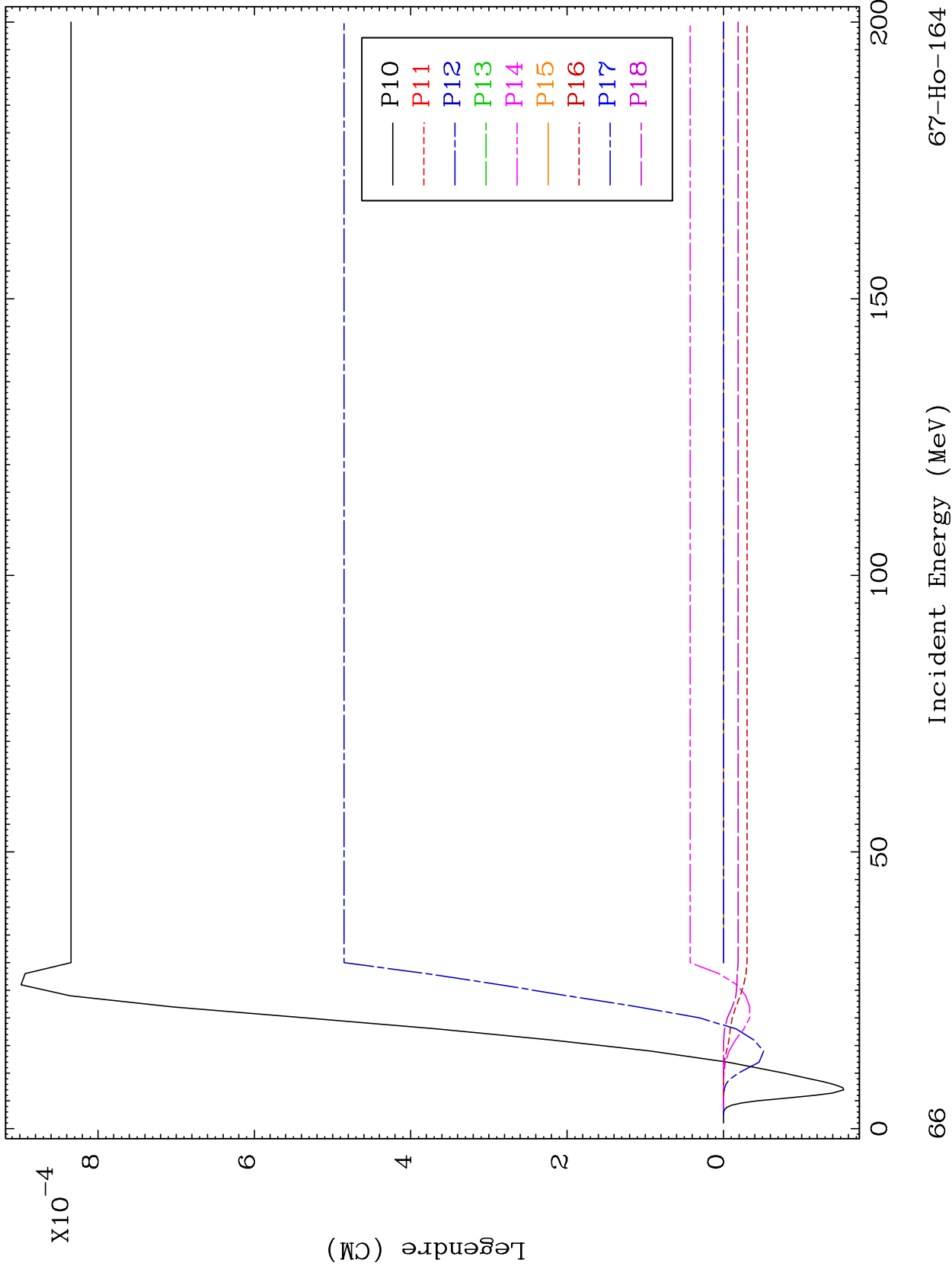
67-Ho-164



MAT 6722

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

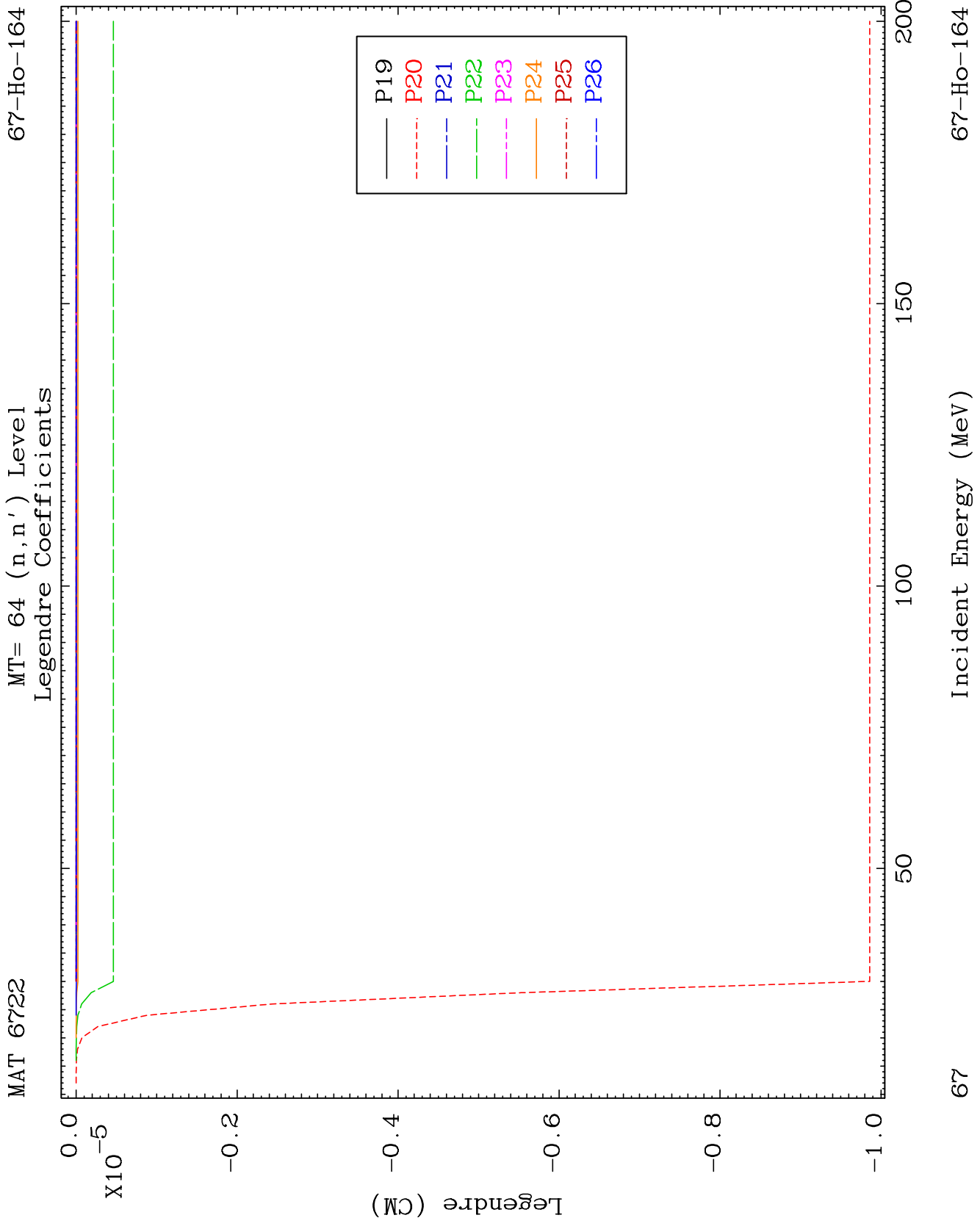
67-Ho-164



66

Incident Energy (MeV)

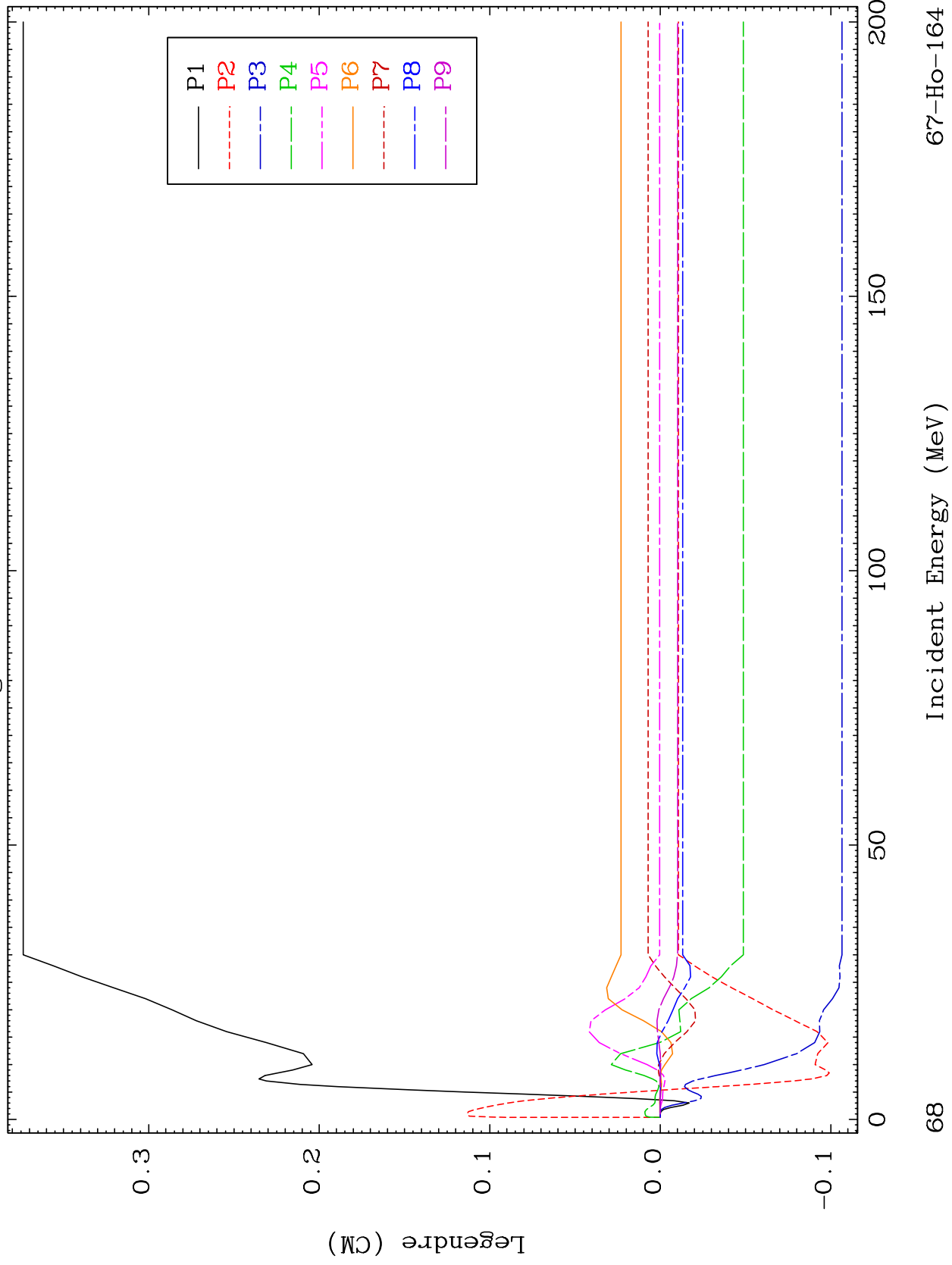
67-Ho-164



MAT 6722

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

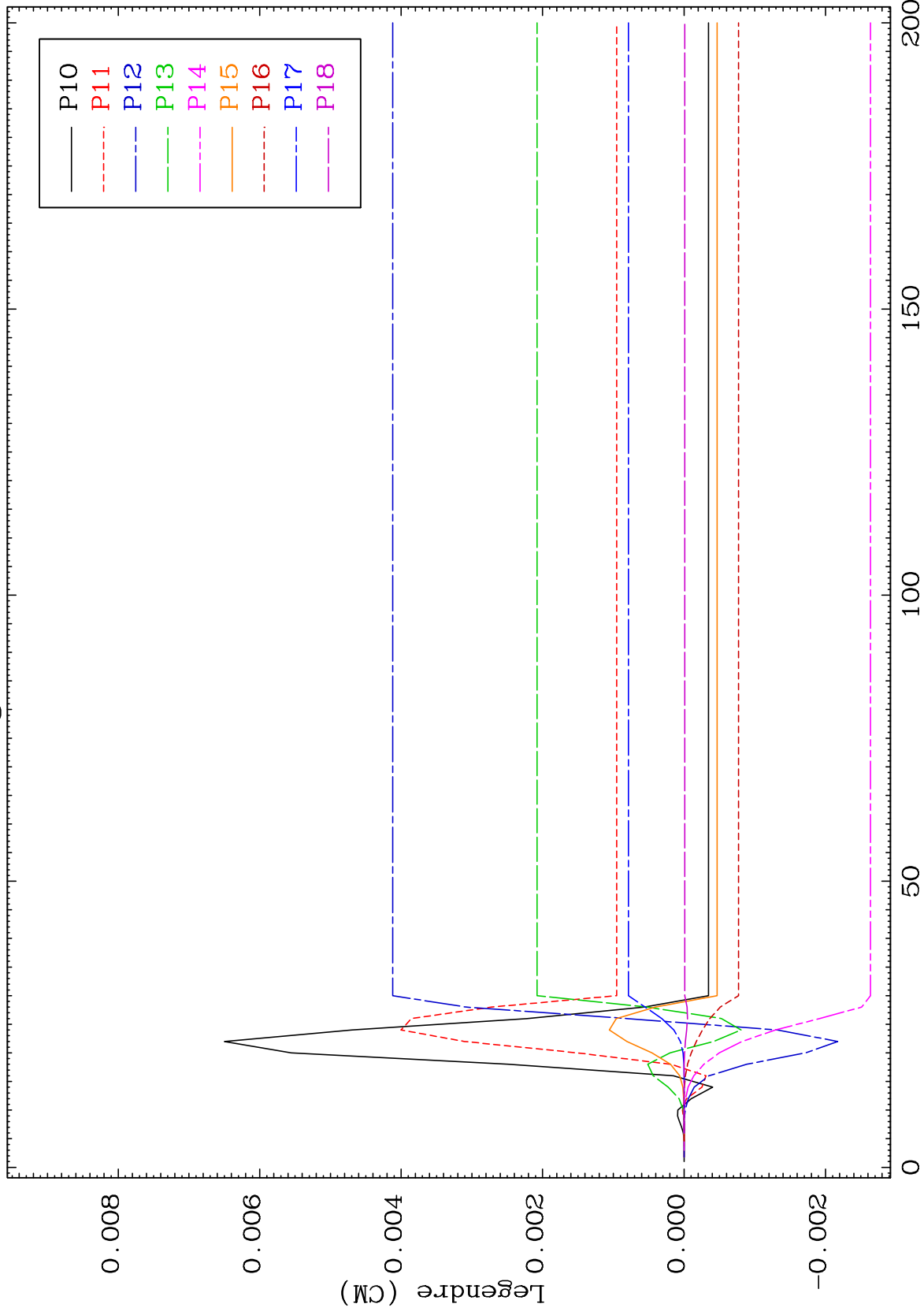
67-Ho-164



MAT 6722

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

67-Ho-164



69

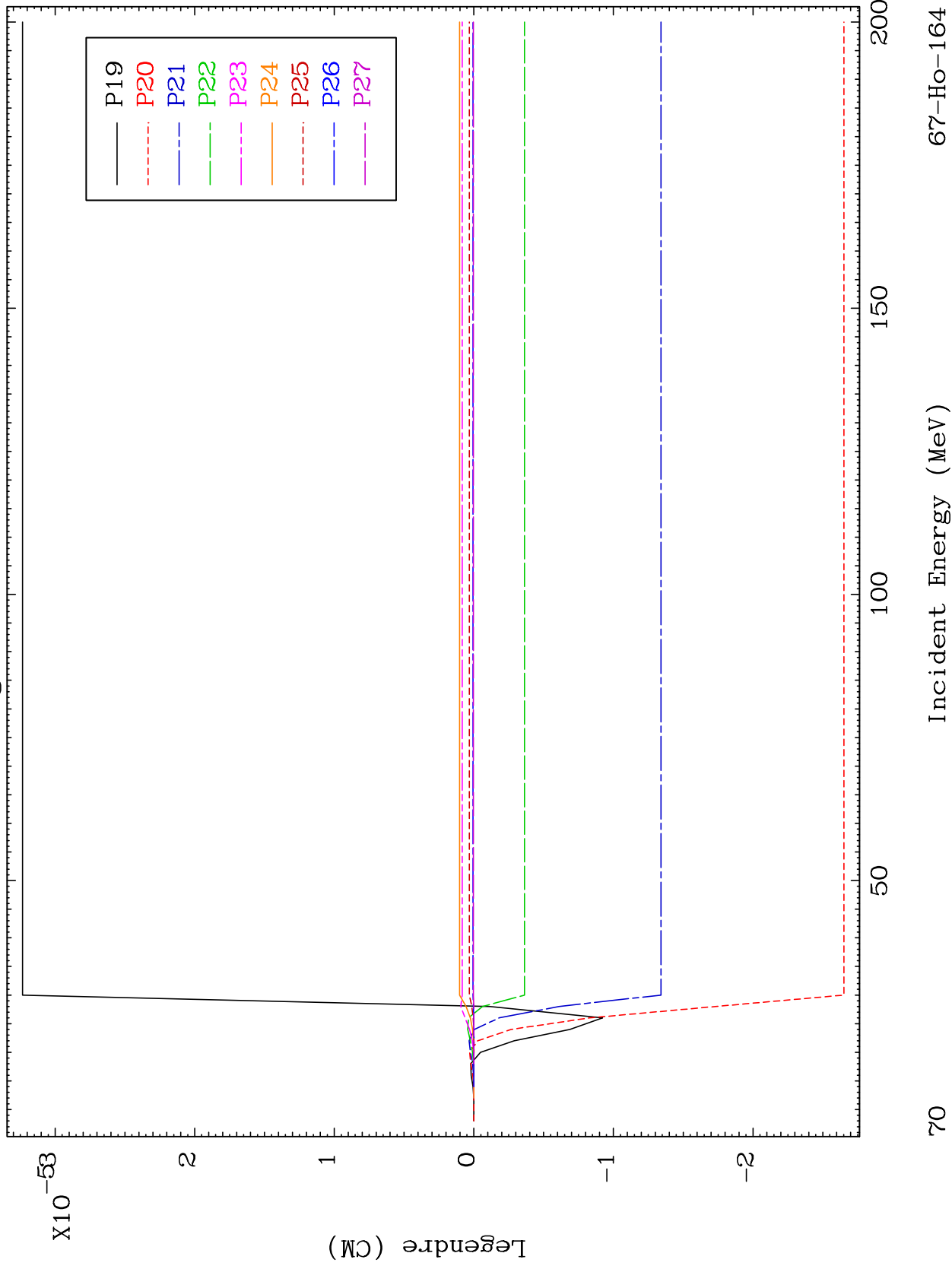
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

67-Ho-164



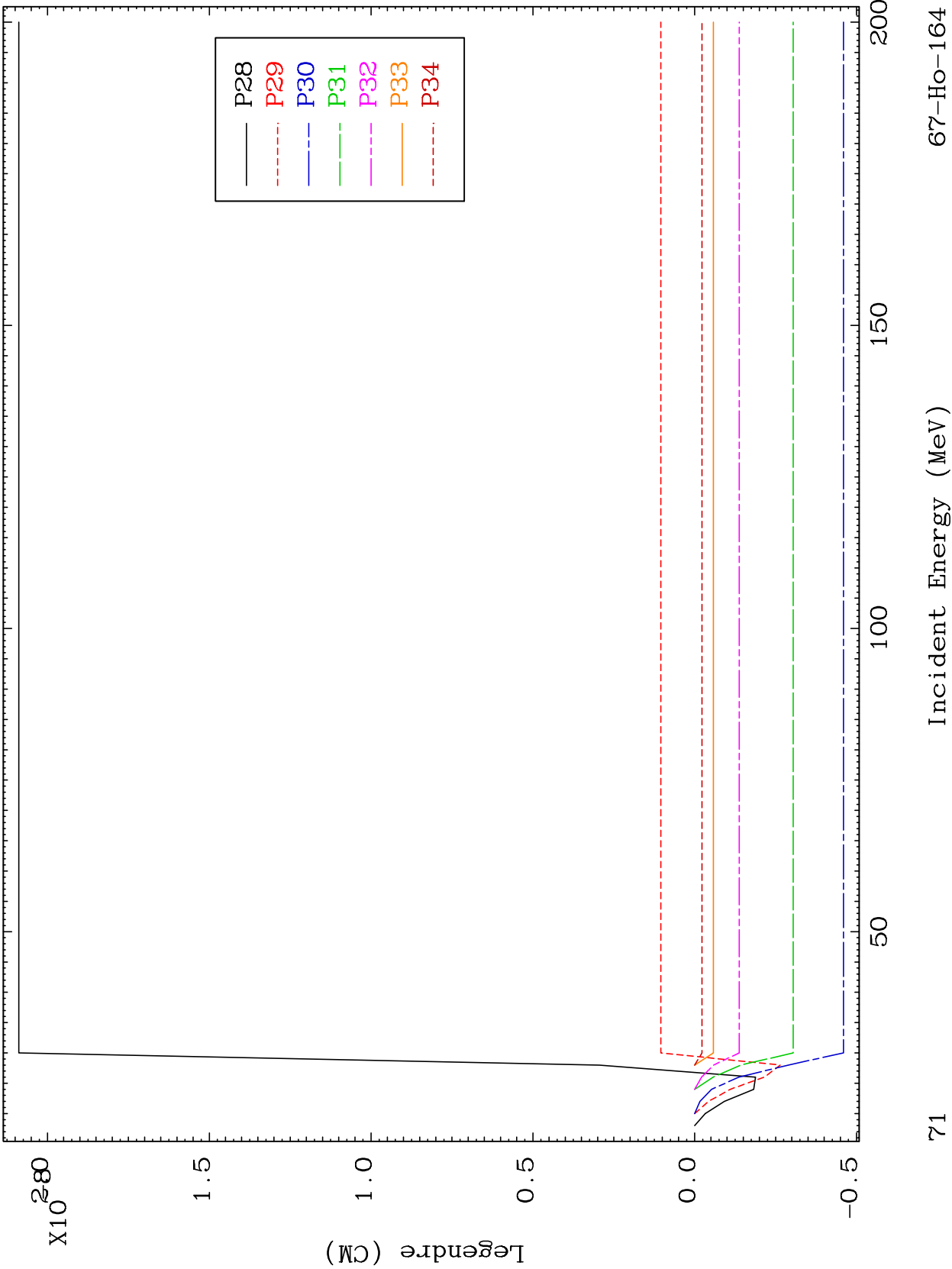
70

67-Ho-164

MAT 6722

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

67-Ho-164



71

Incident Energy (MeV)

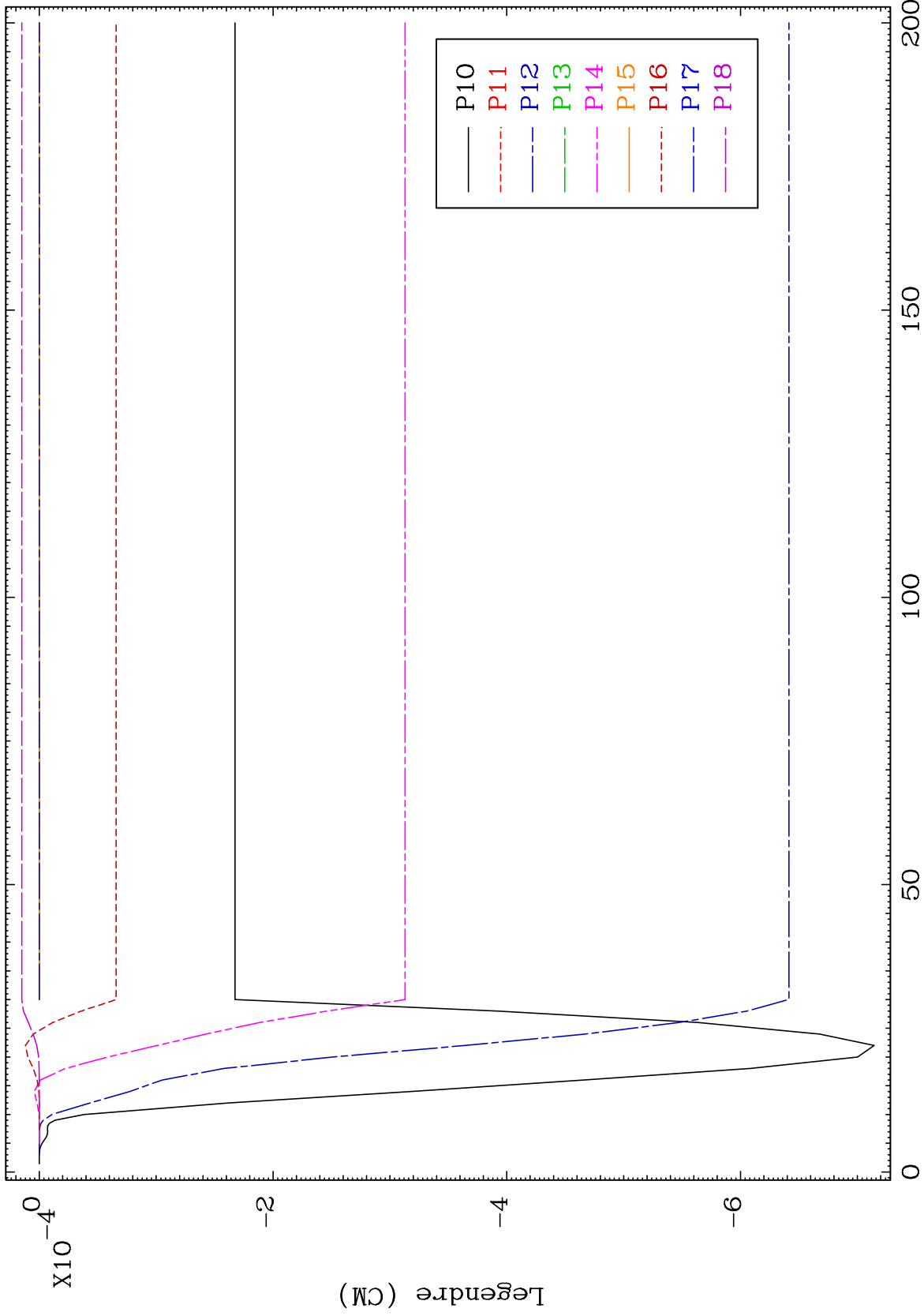
67-Ho-164

MAT 6722

MT= 66 (n,n') Level

67-Ho-164

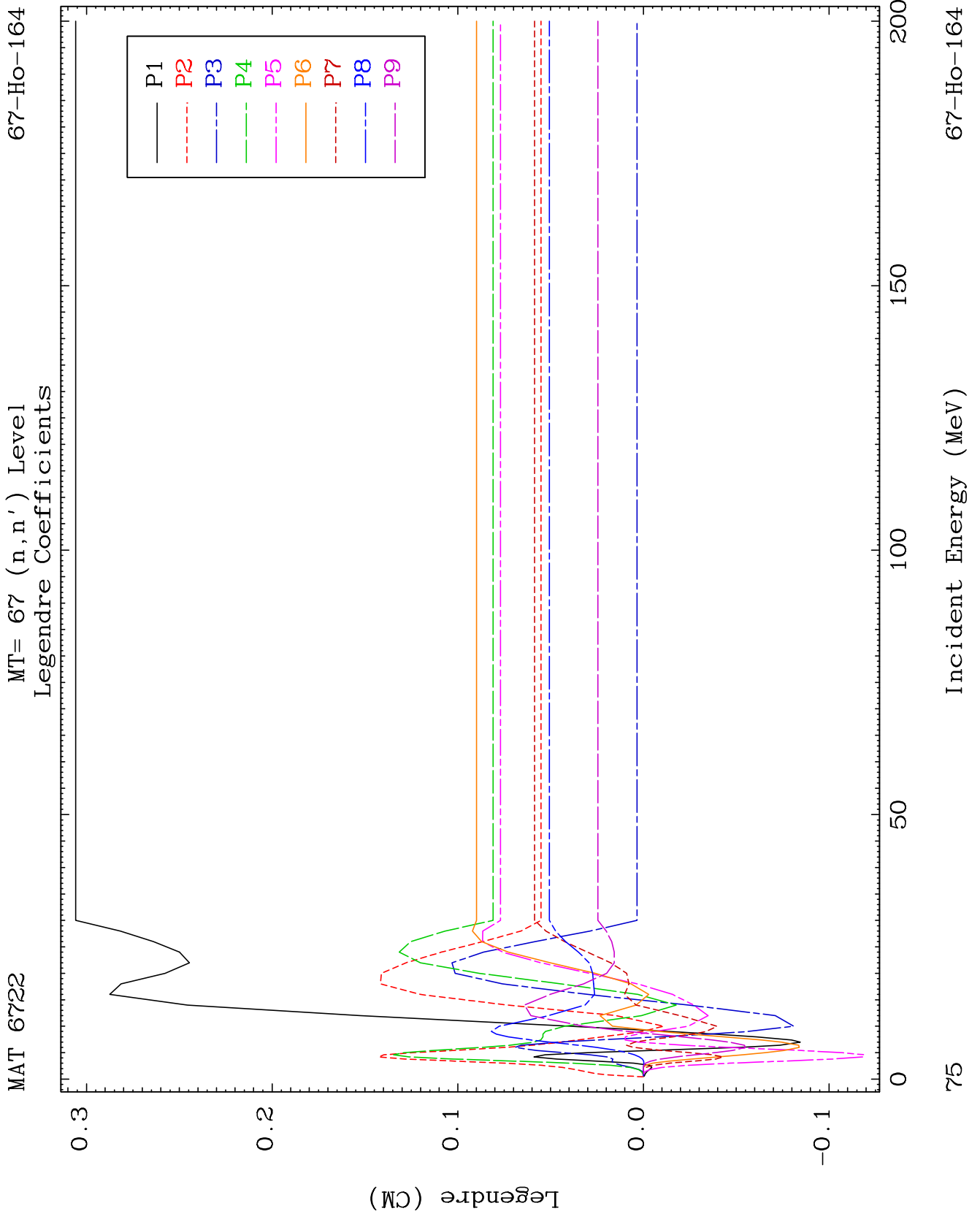
Legendre Coefficients



73

Incident Energy (MeV)

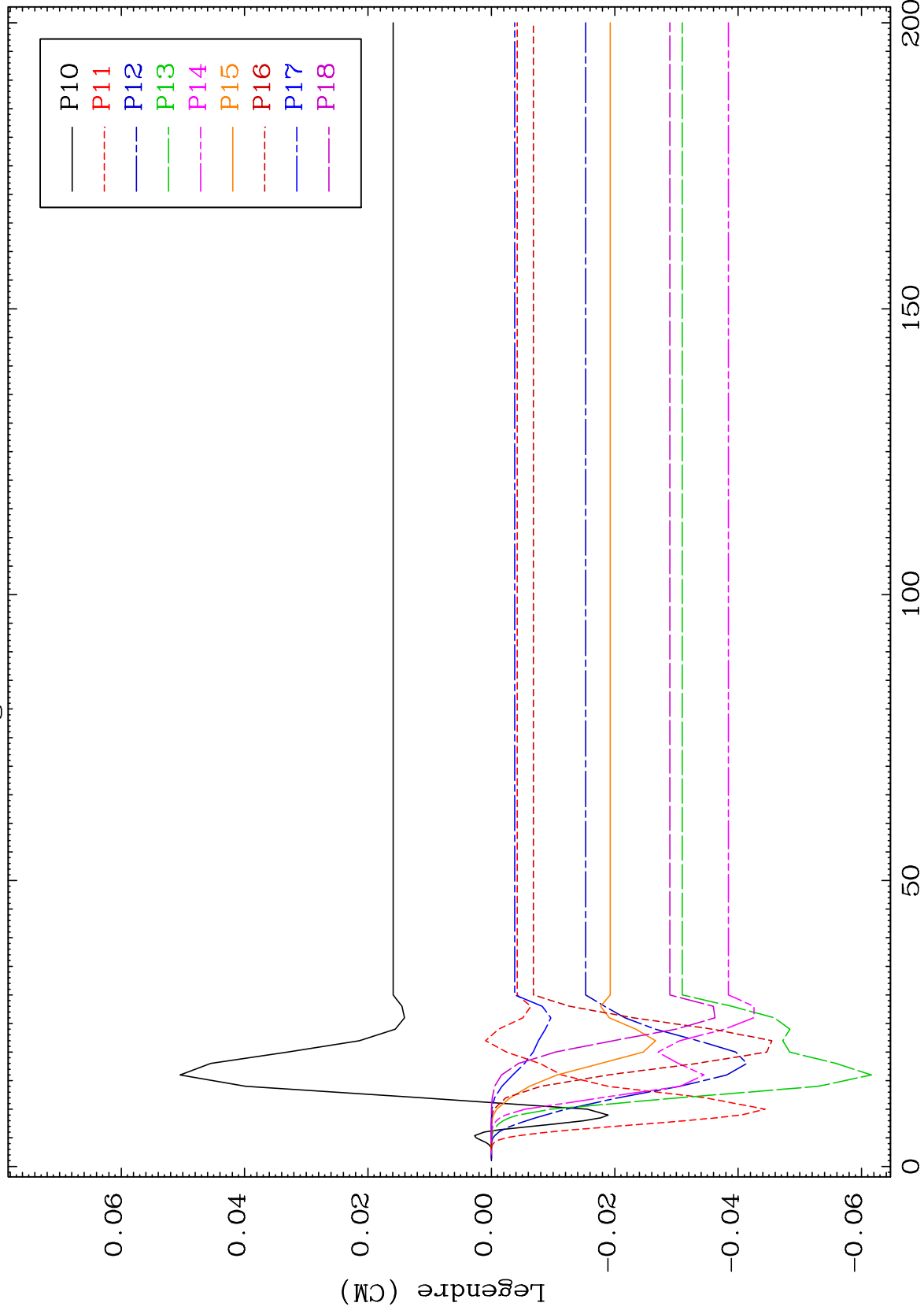
67-Ho-164



MAT 6722

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

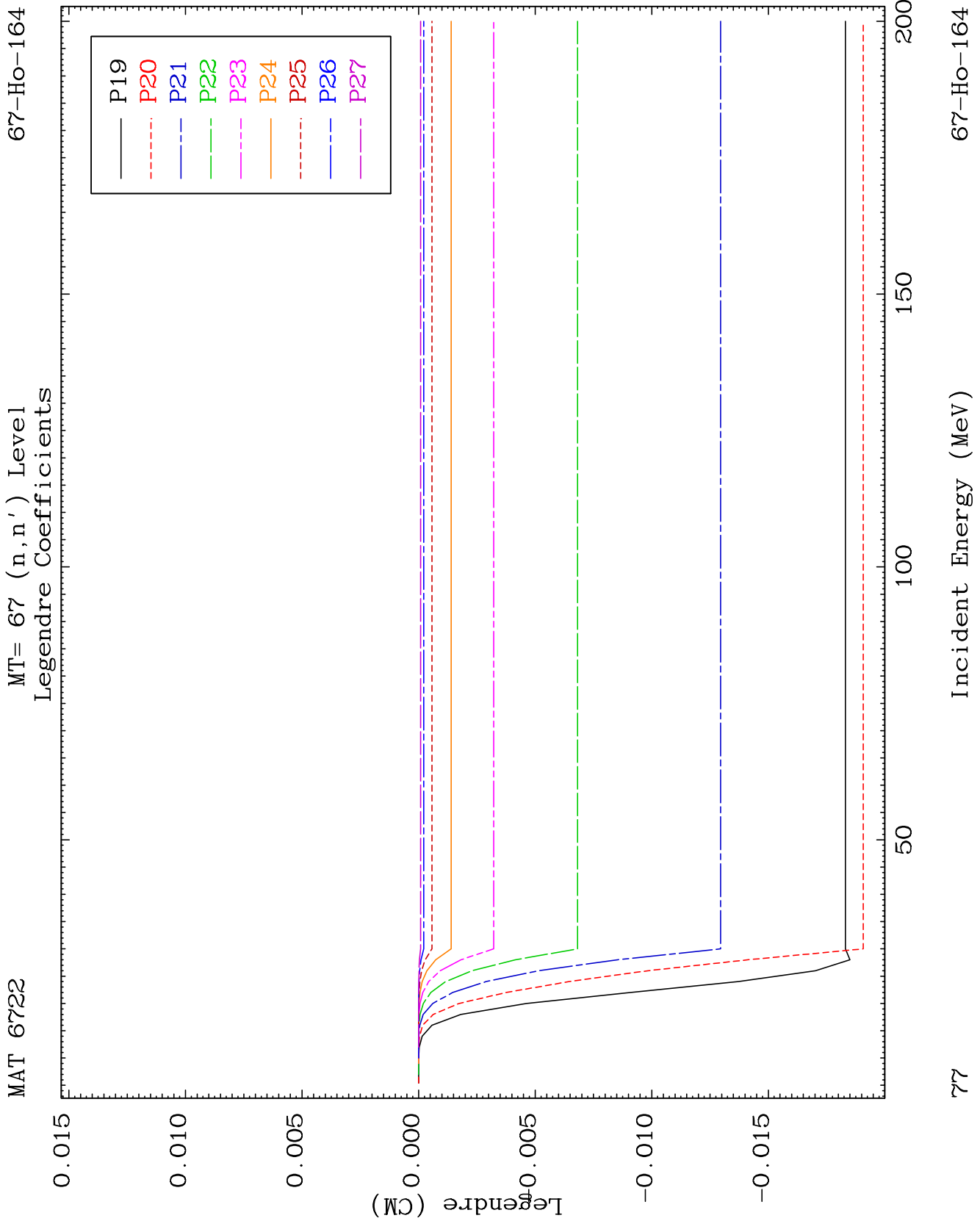
67-Ho-164

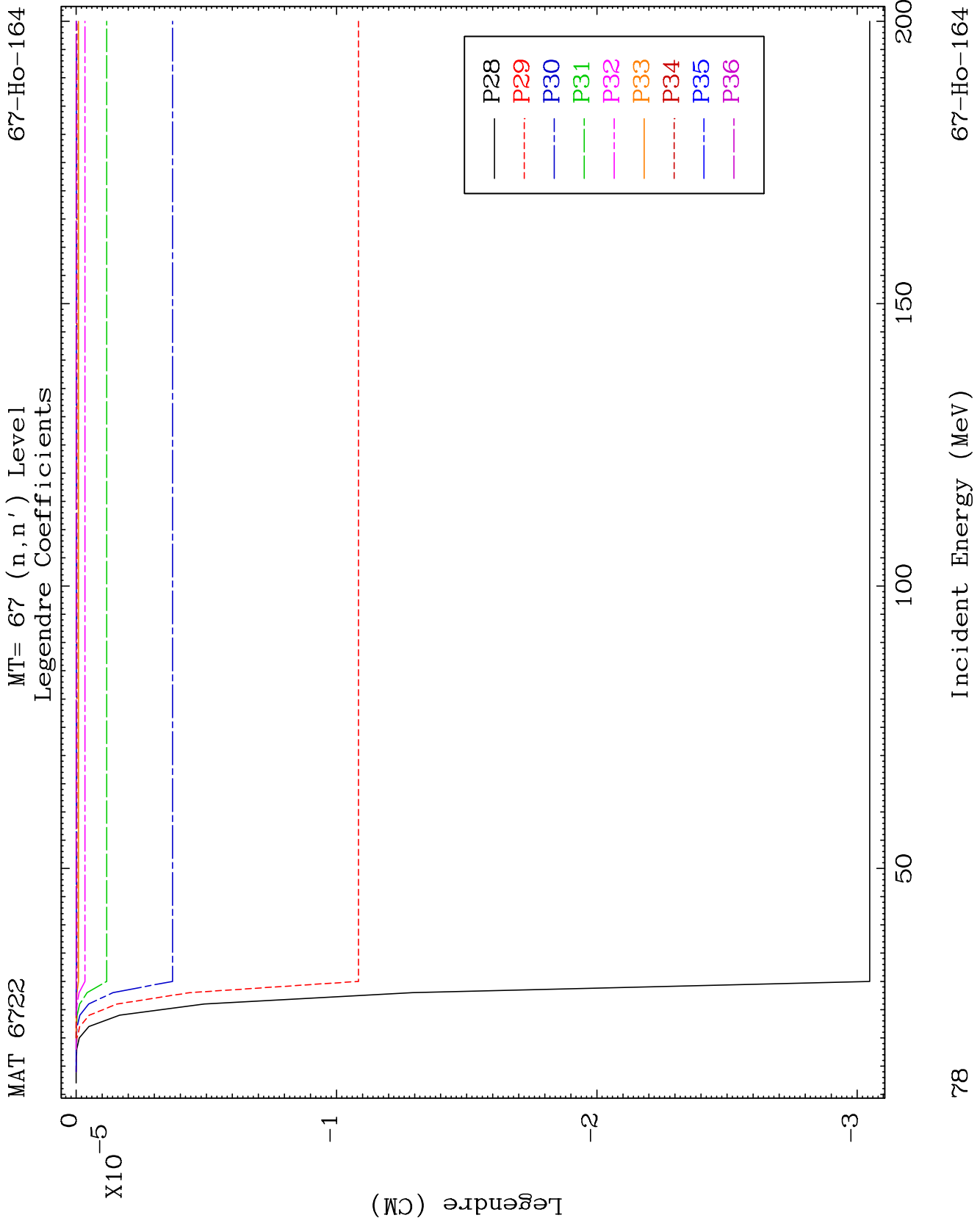


76

Incident Energy (MeV)

67-Ho-164

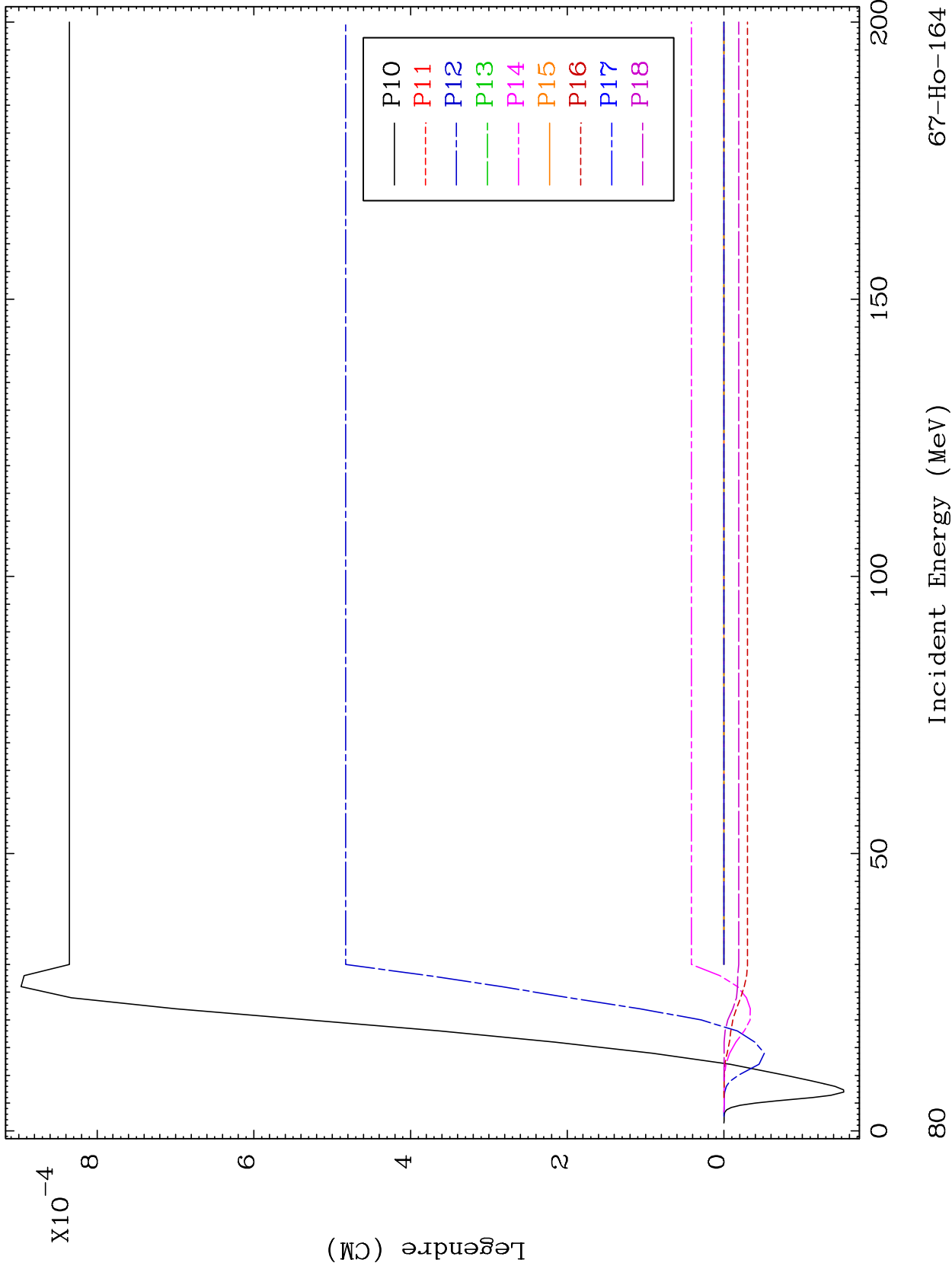


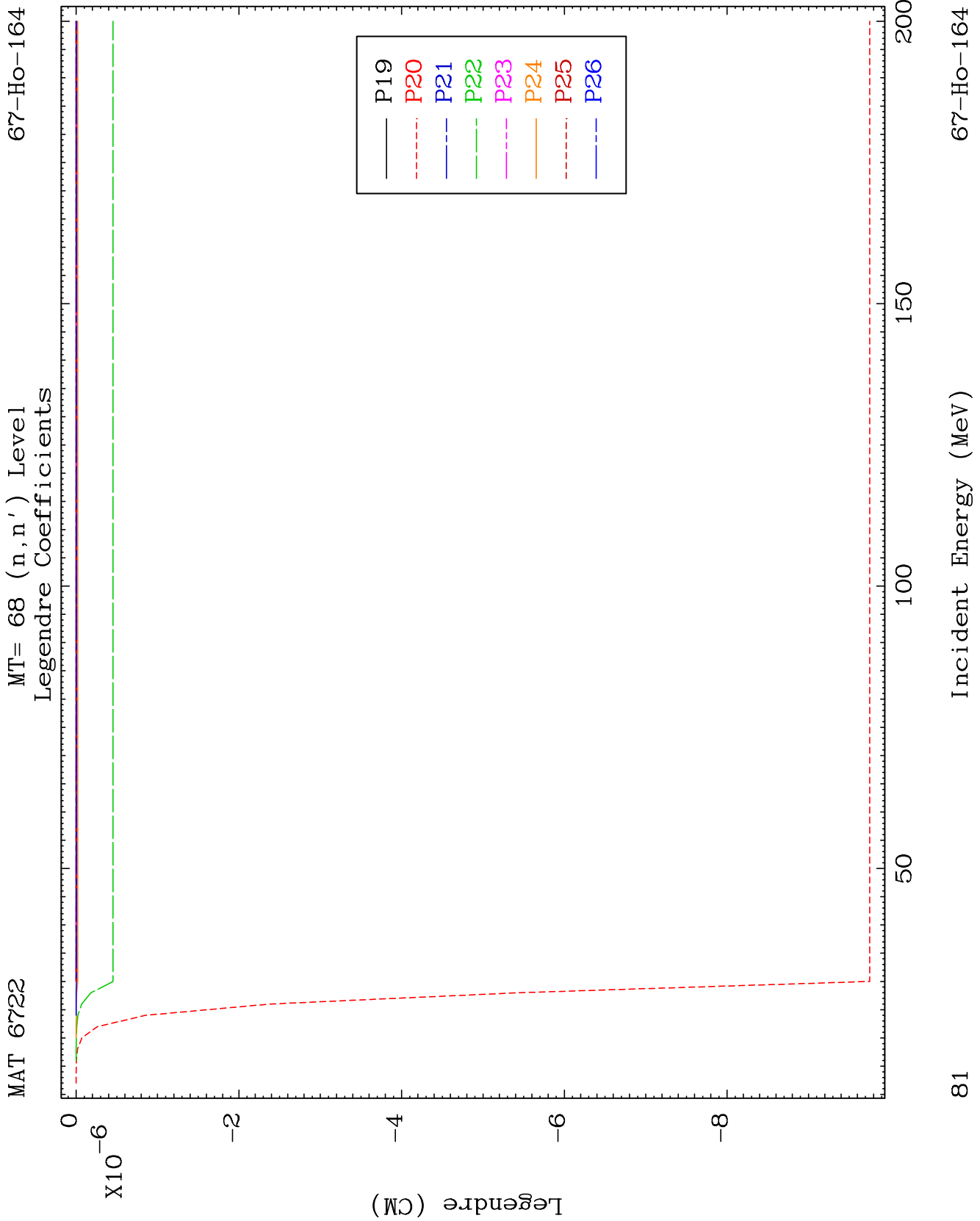


MAT 6722

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

67-Ho-164

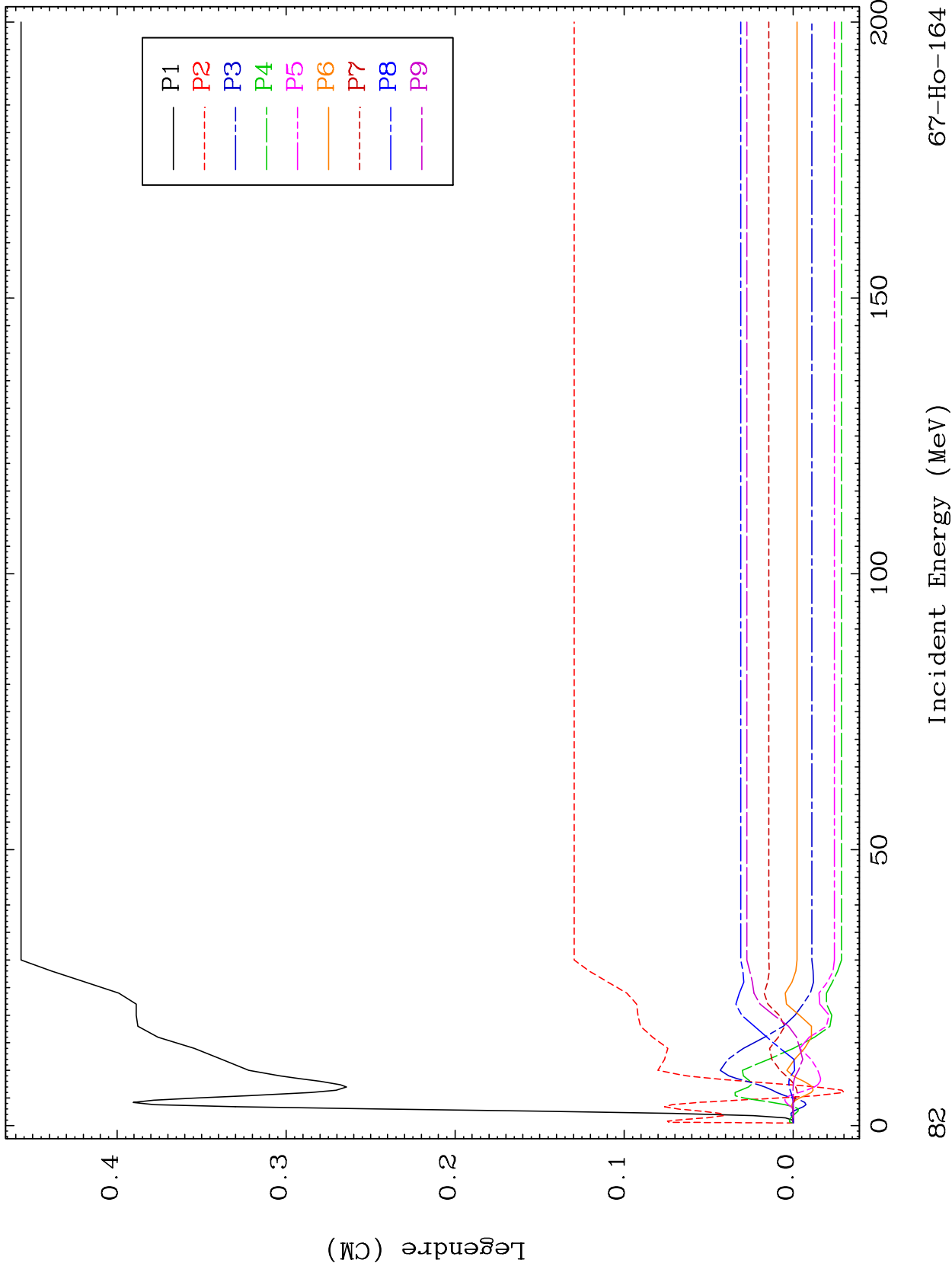




MAT 6722

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

67-Ho-164



82

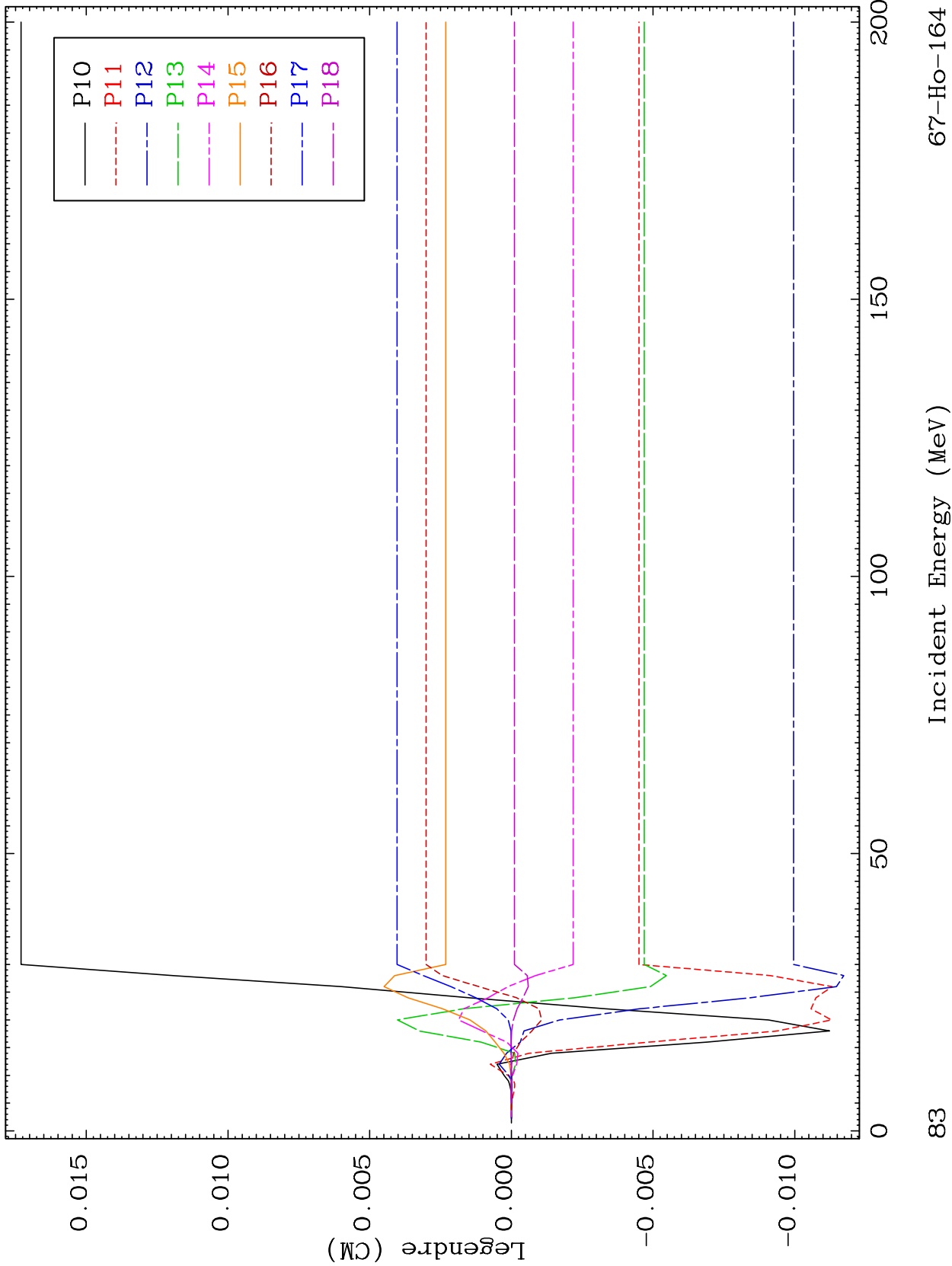
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

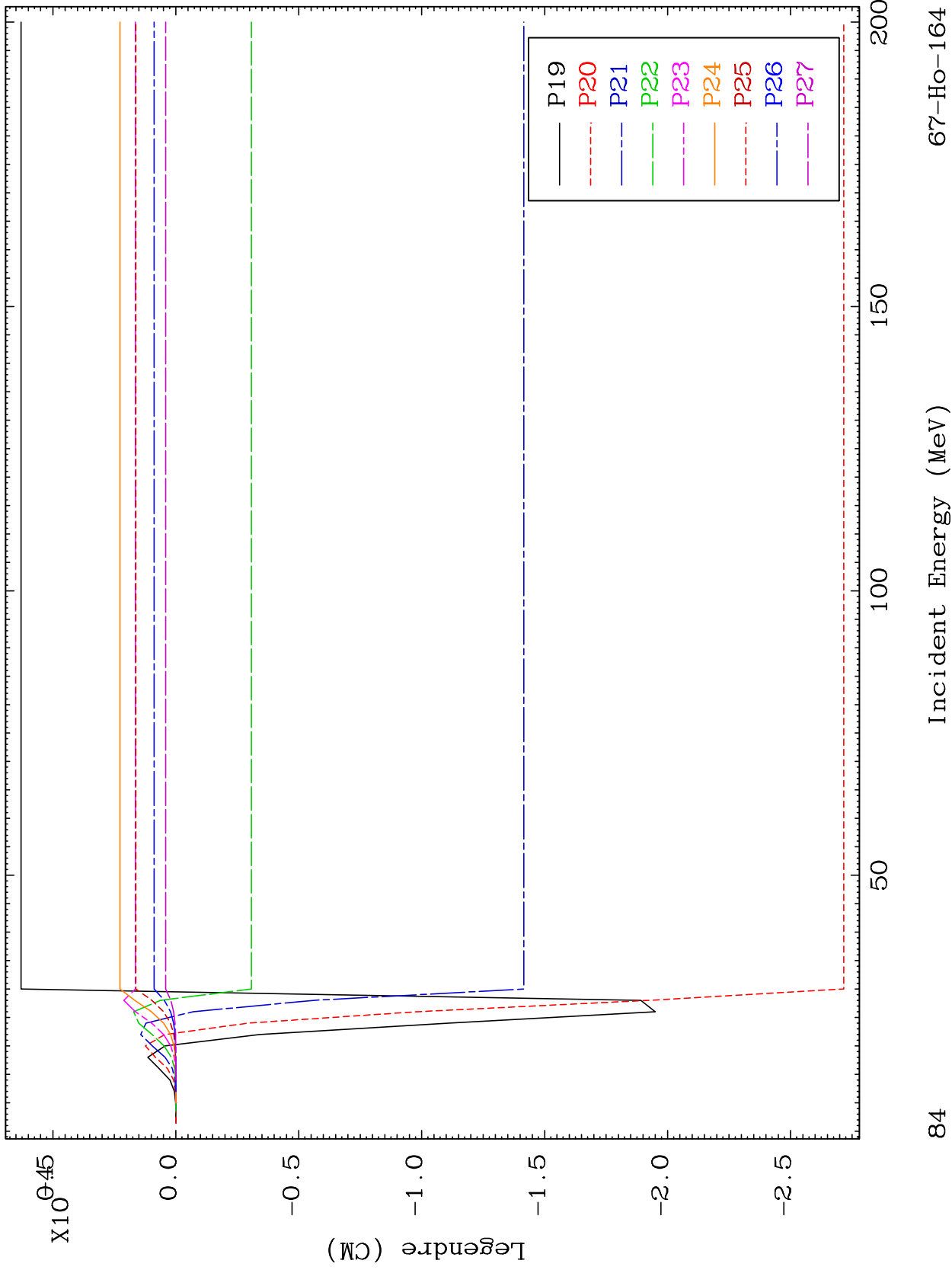
67-Ho-164



83

Incident Energy (MeV)

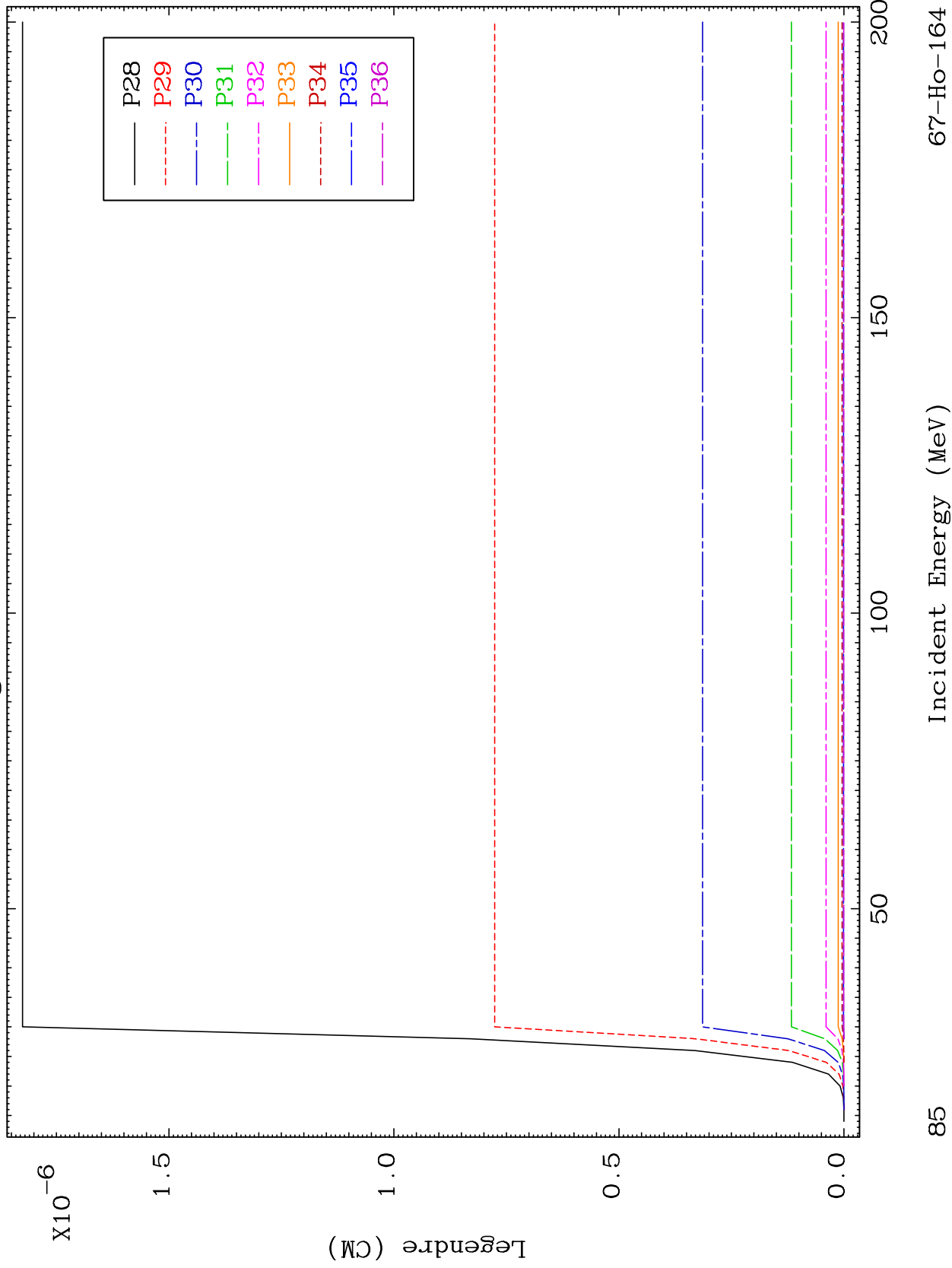
67-Ho-164



MAT 6722

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

67-Ho-164



85

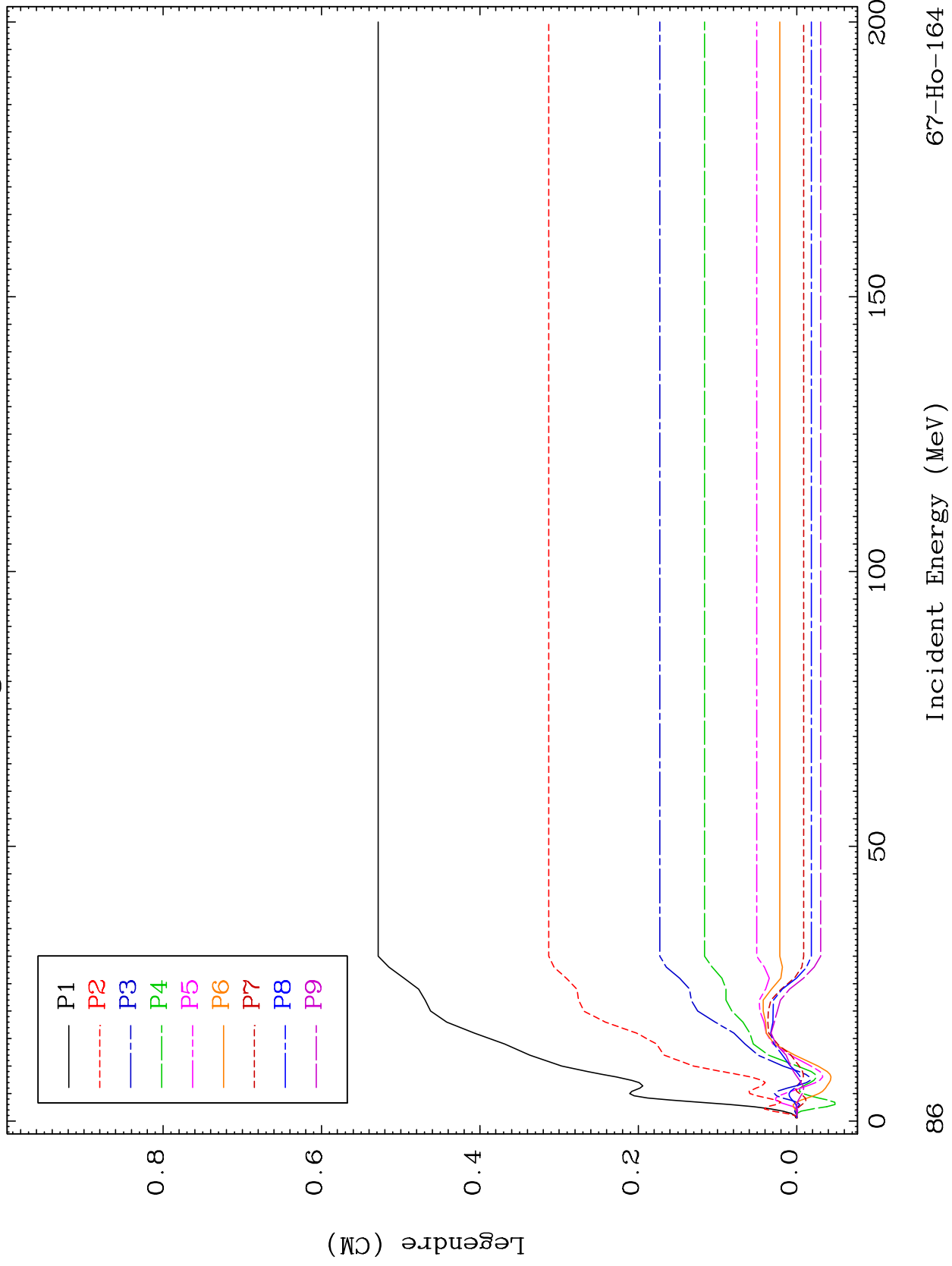
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

67-Ho-164



67-Ho-164

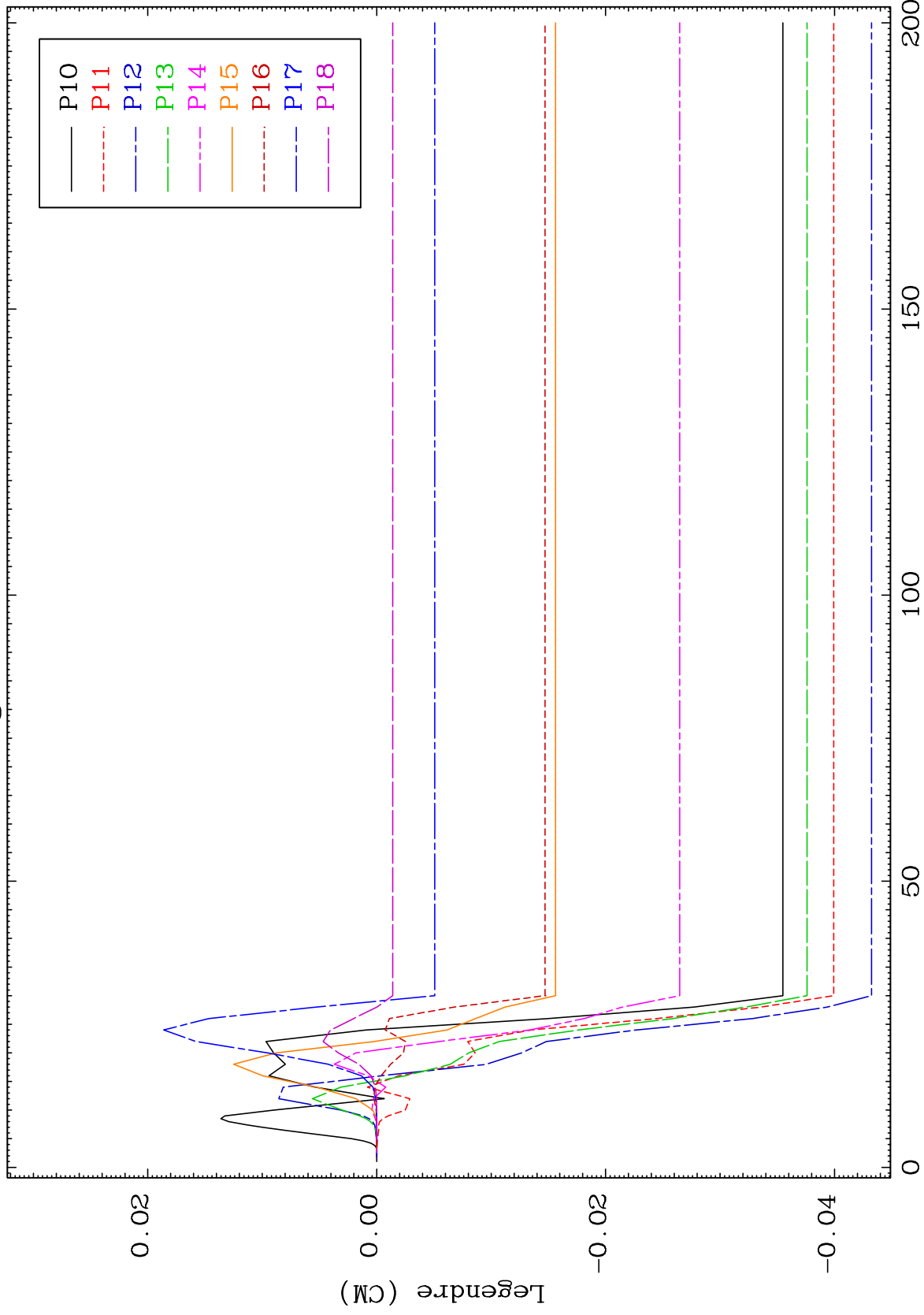
Incident Energy (MeV)

86

MAT 6722

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

67-Ho-164



87

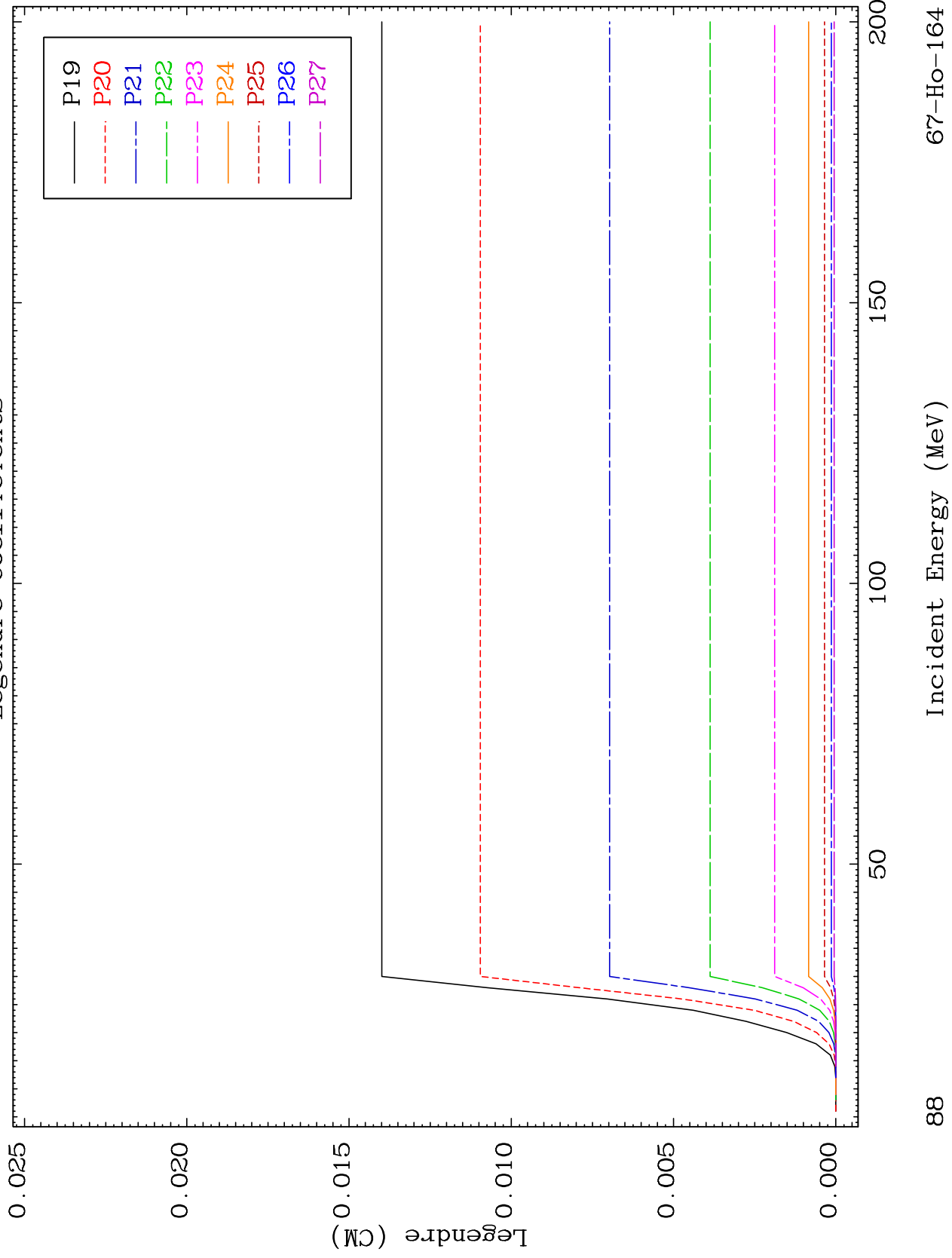
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

67-Ho-164



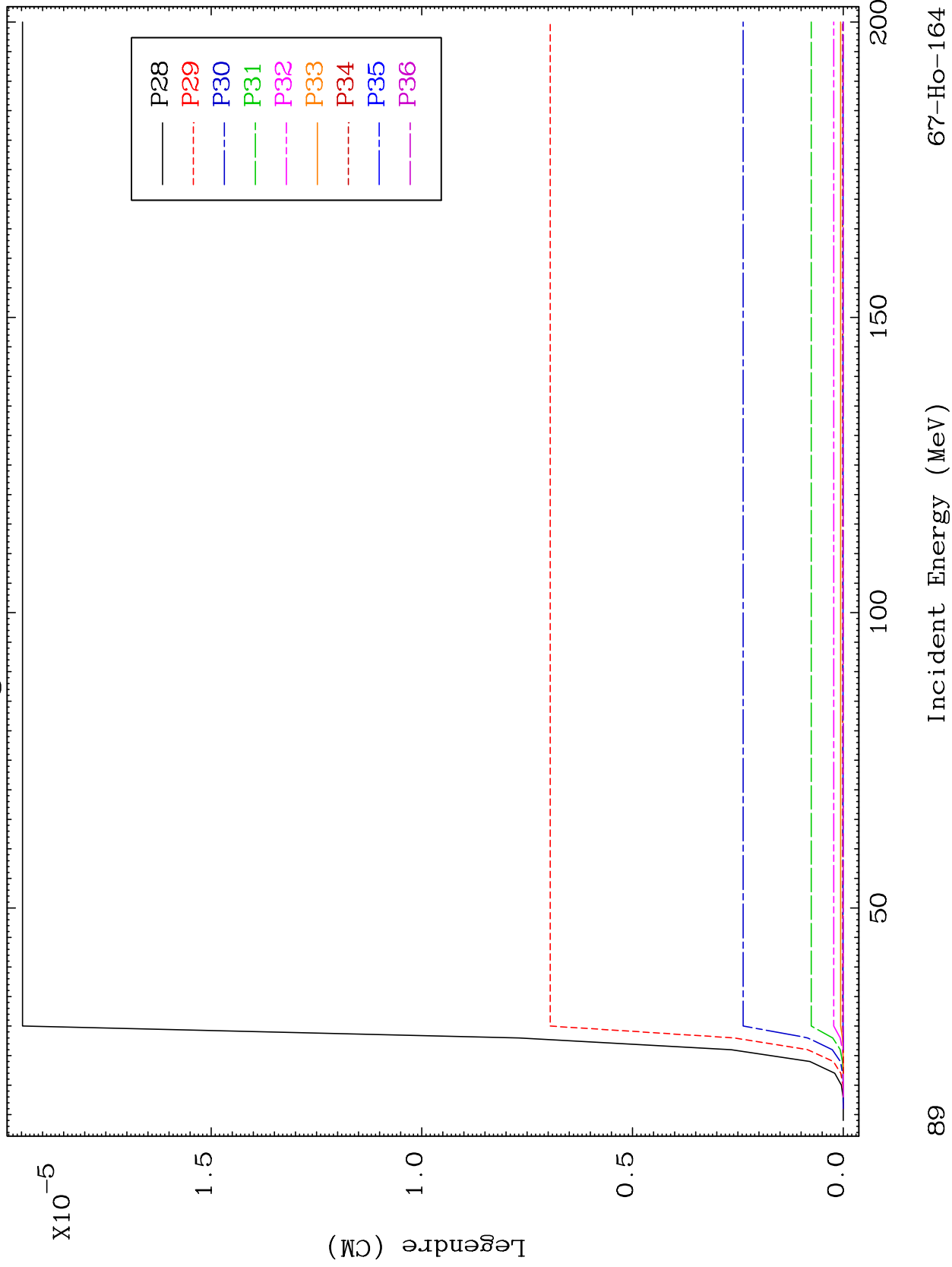
88

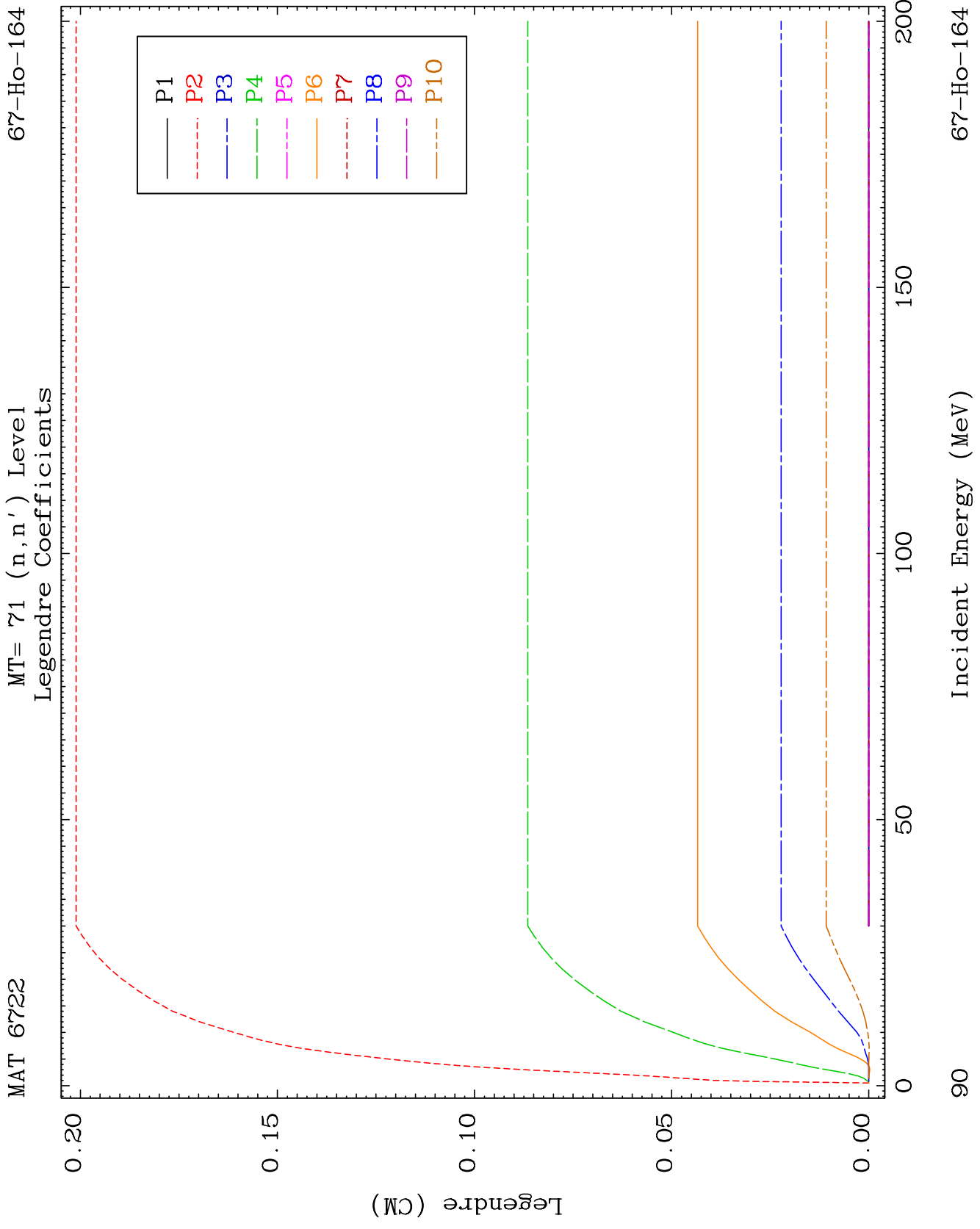
67-Ho-164

MAT 6722

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

67-Ho-164

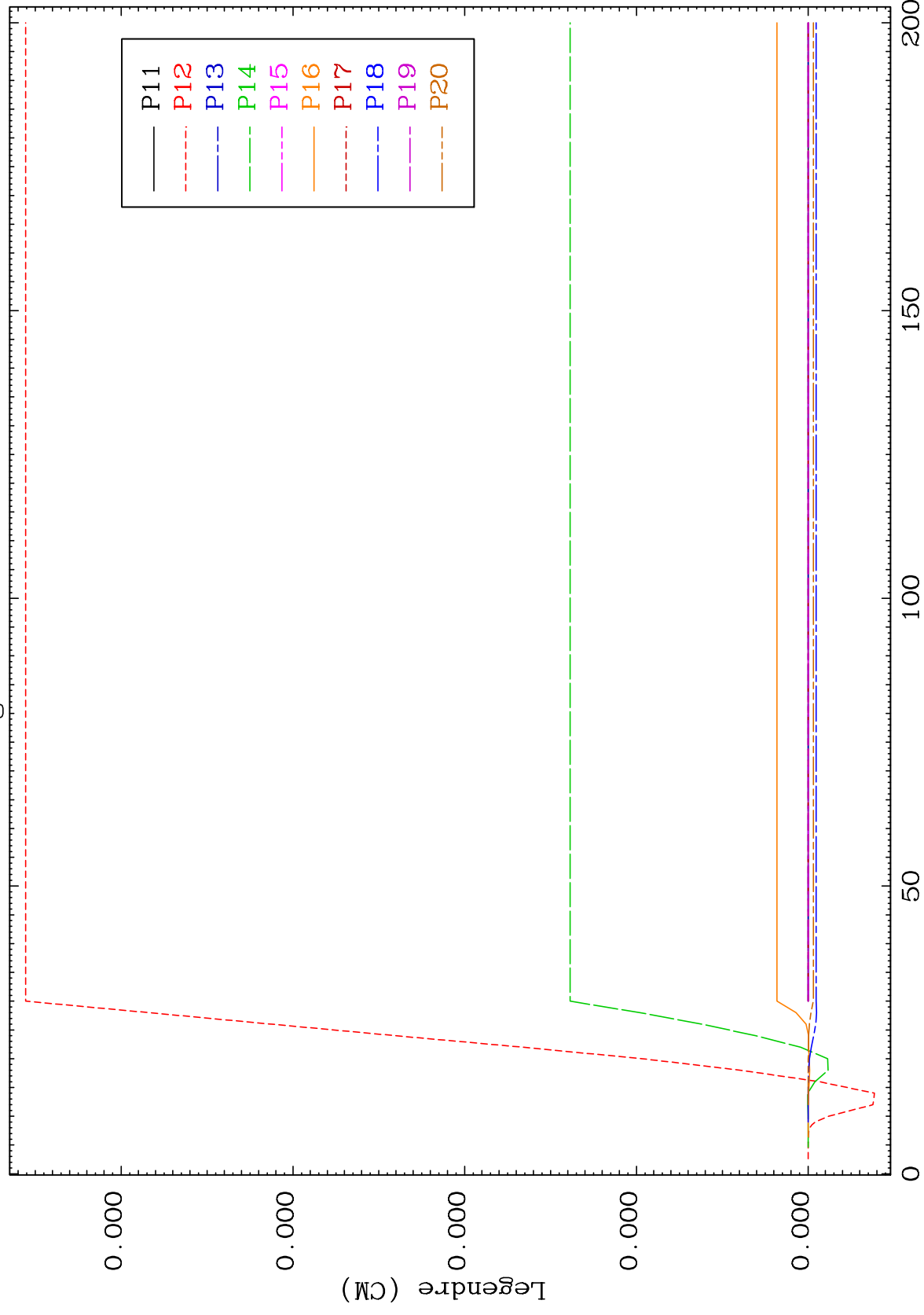




MAT 6722

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

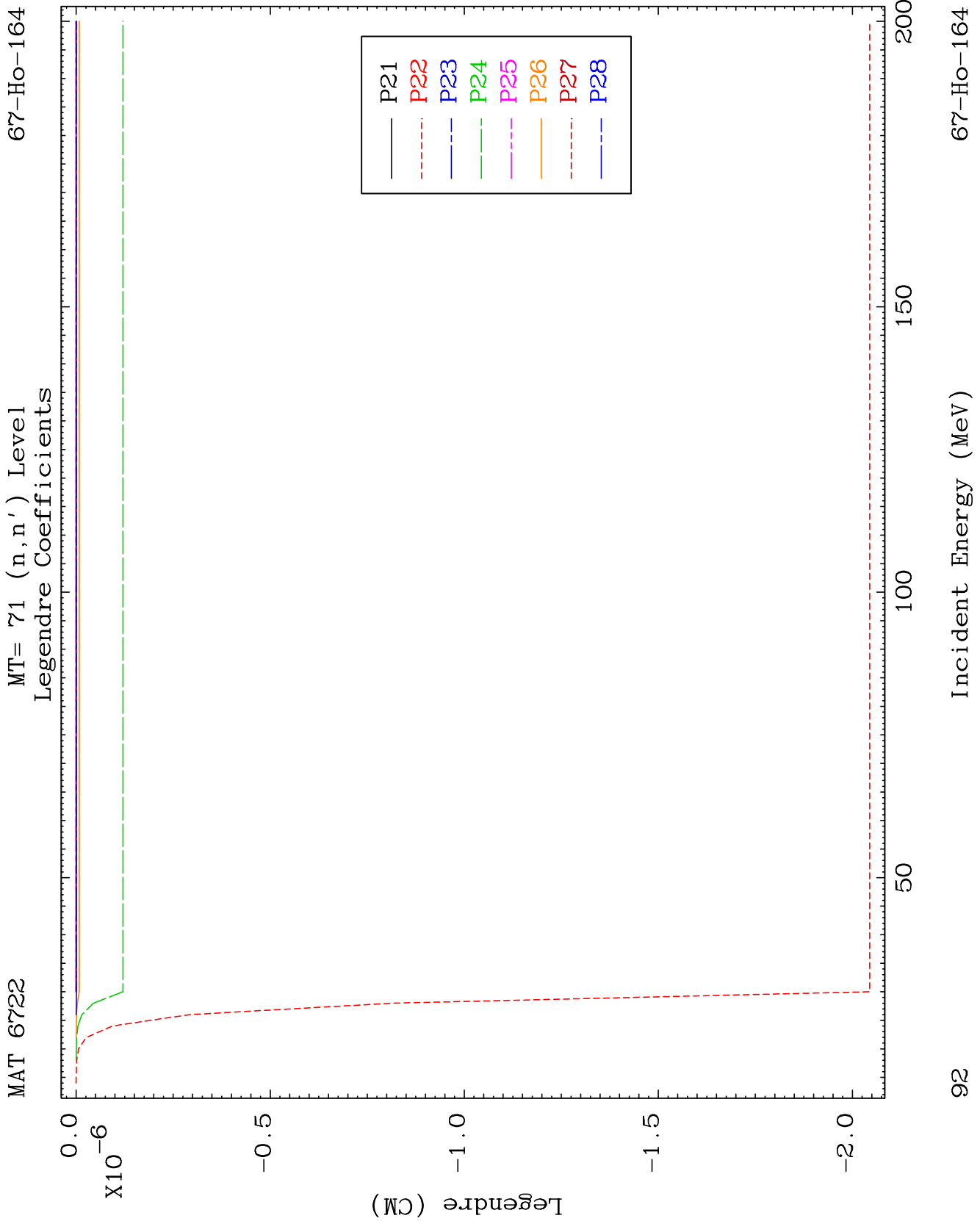
67-Ho-164



91

Incident Energy (MeV)

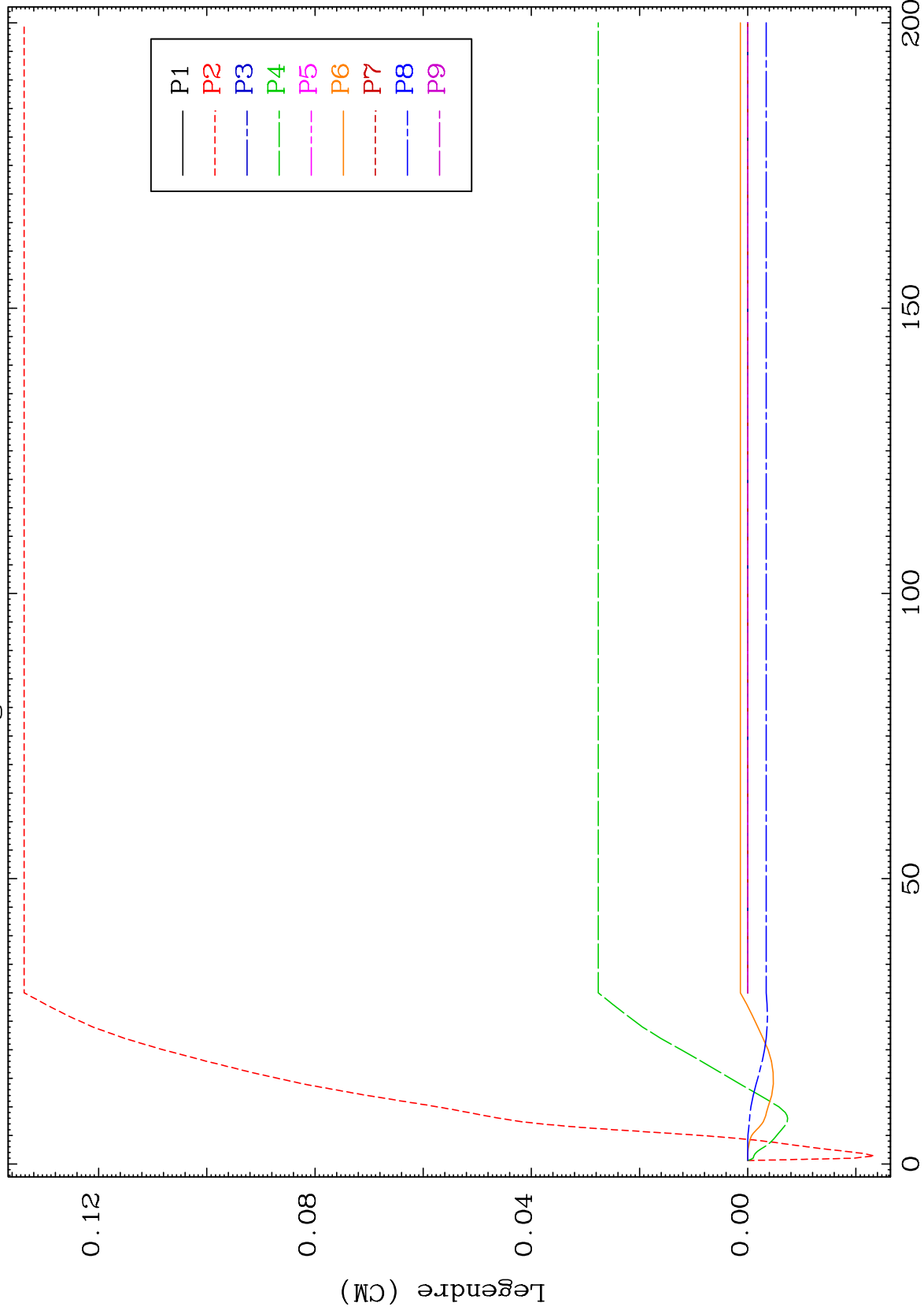
67-Ho-164



MAT 6722

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

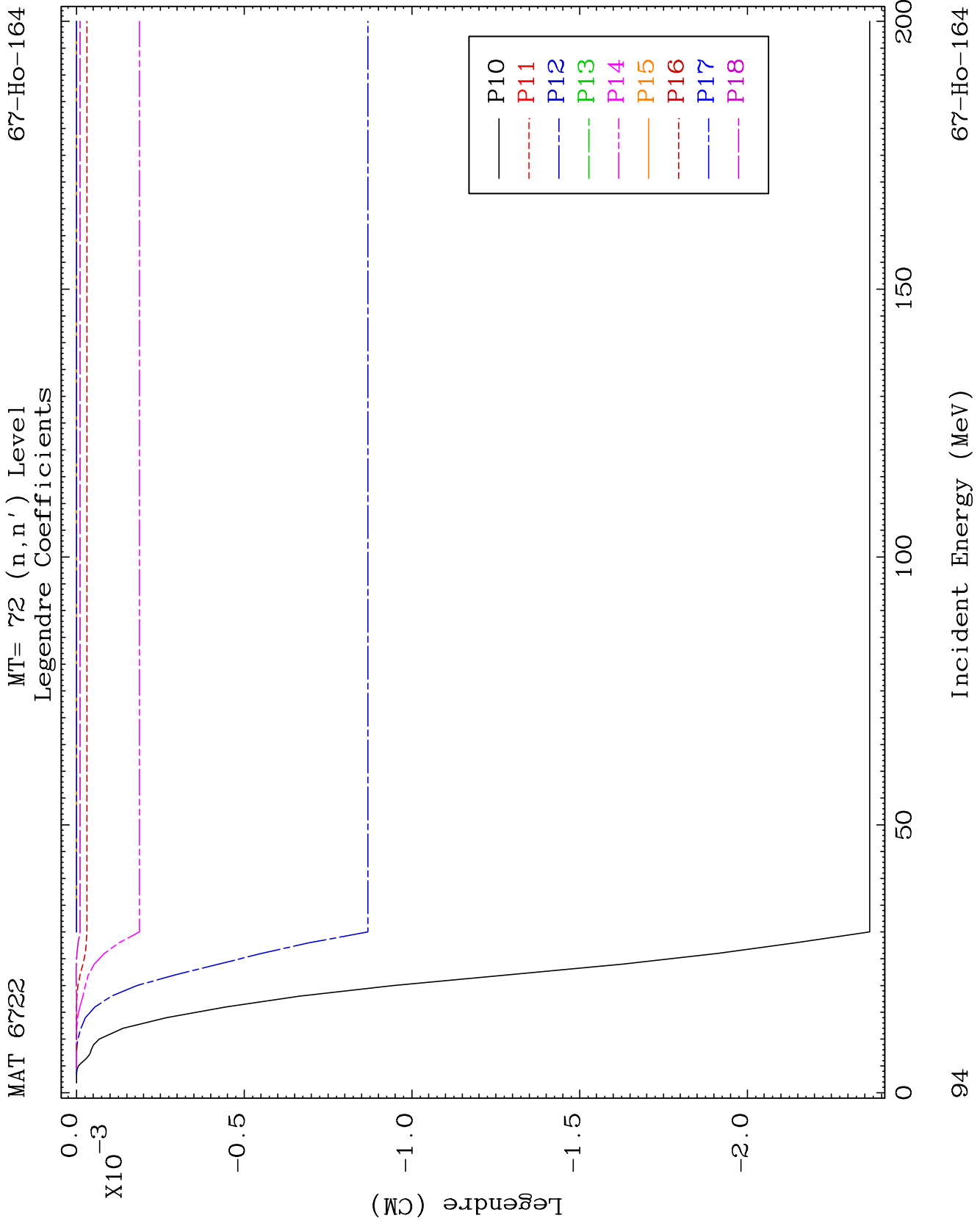
67-Ho-164



93

Incident Energy (MeV)

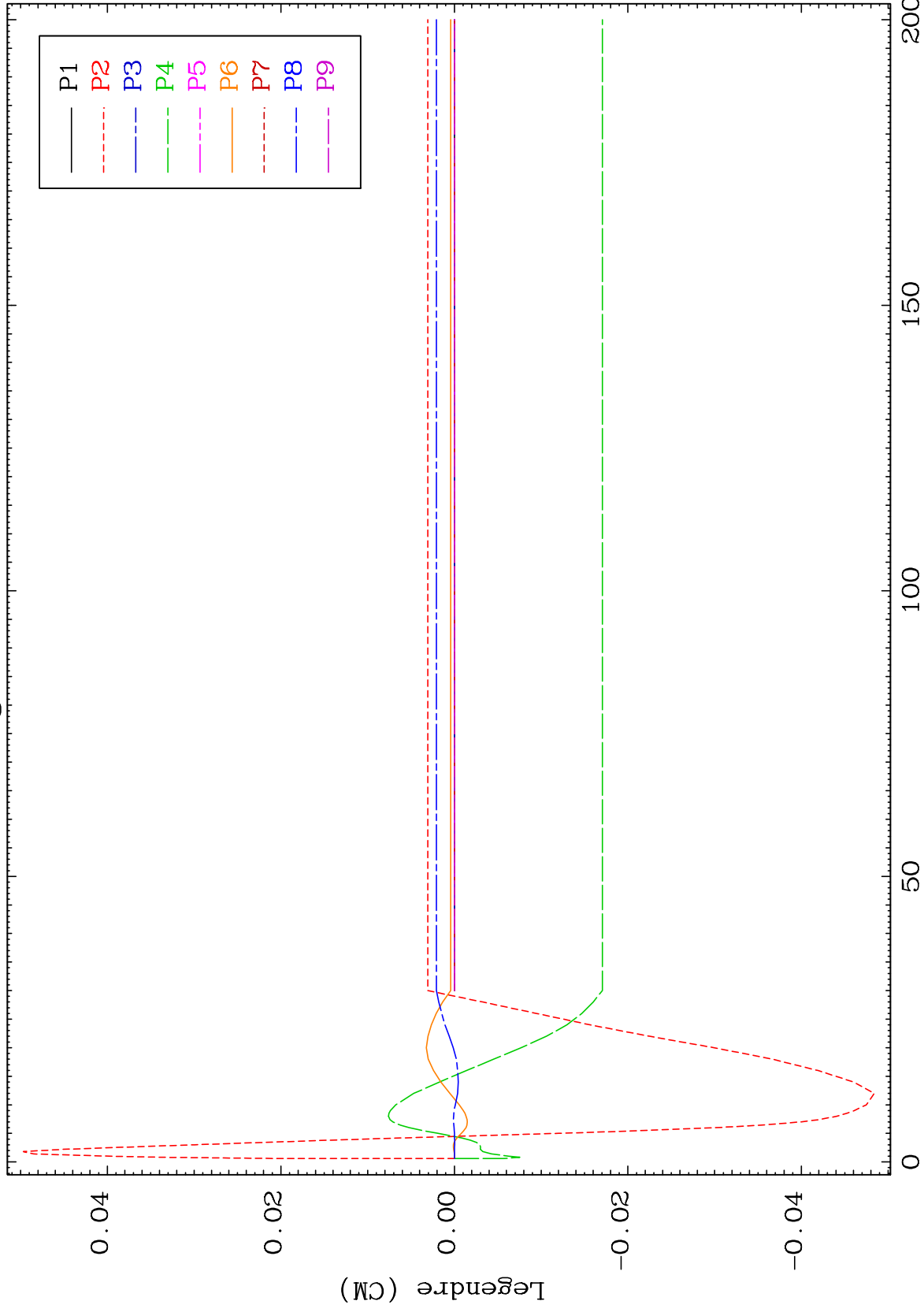
67-Ho-164



MAT 6722

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

67-Ho-164



96

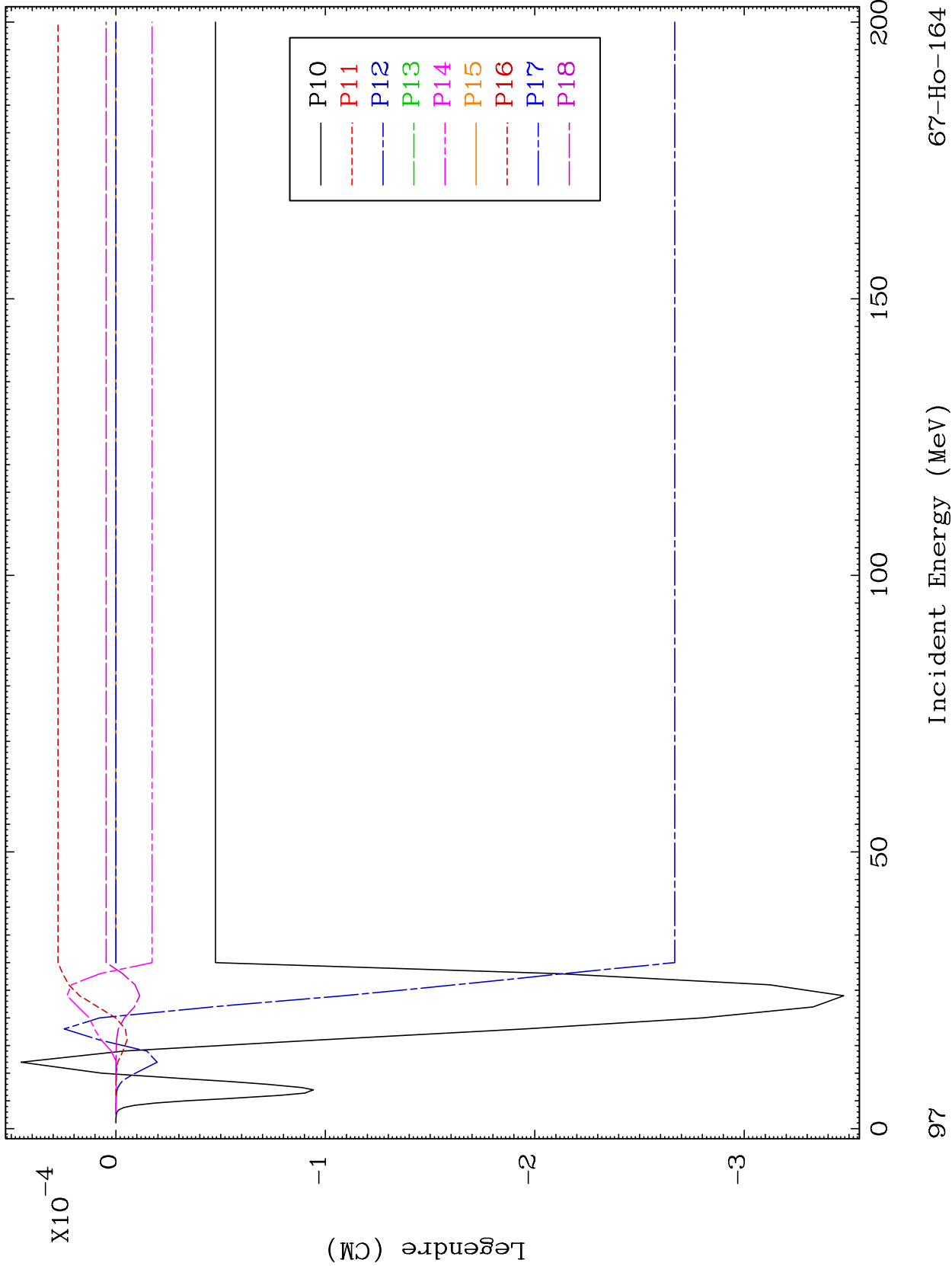
Incident Energy (MeV)

67-Ho-164

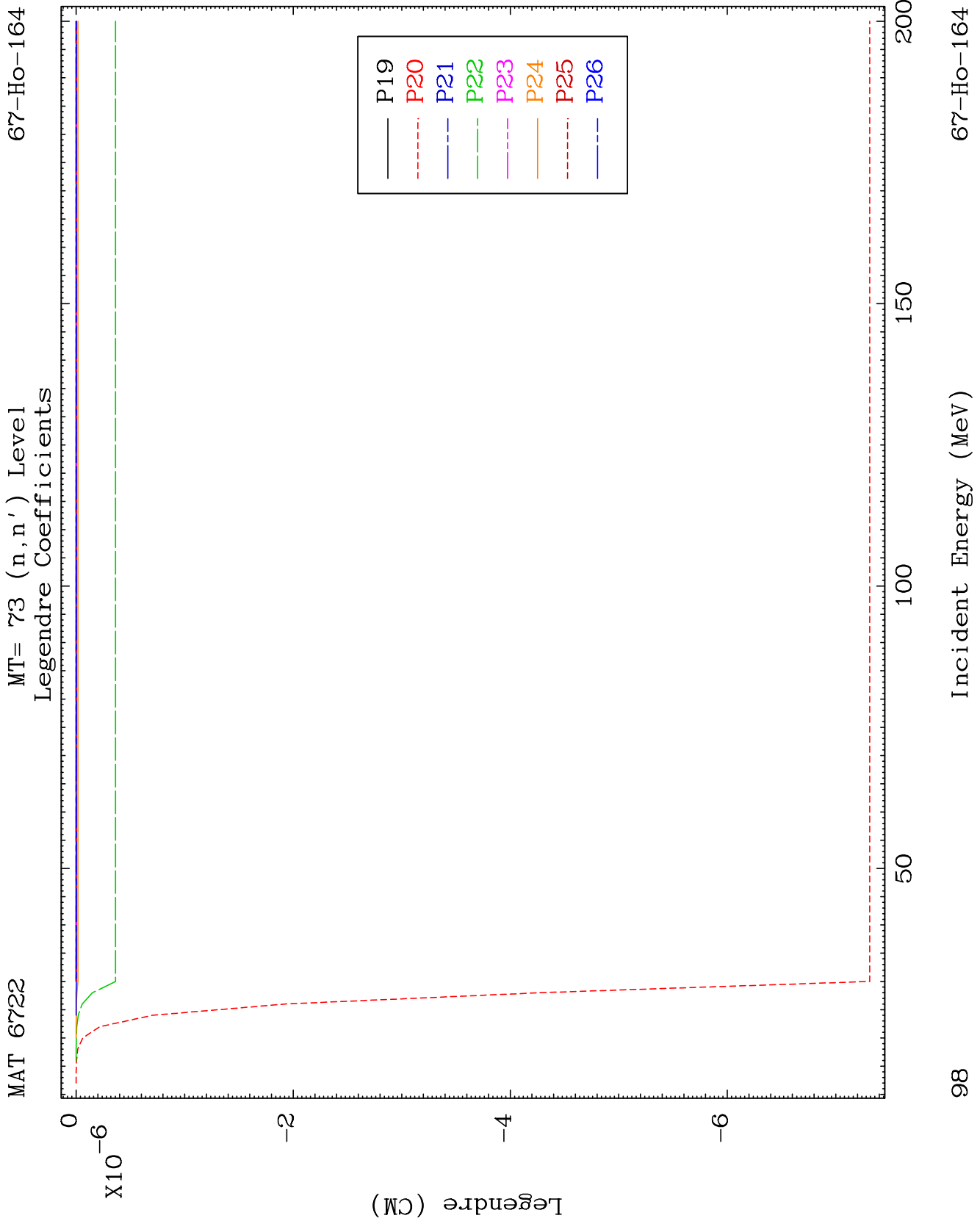
MAT 6722

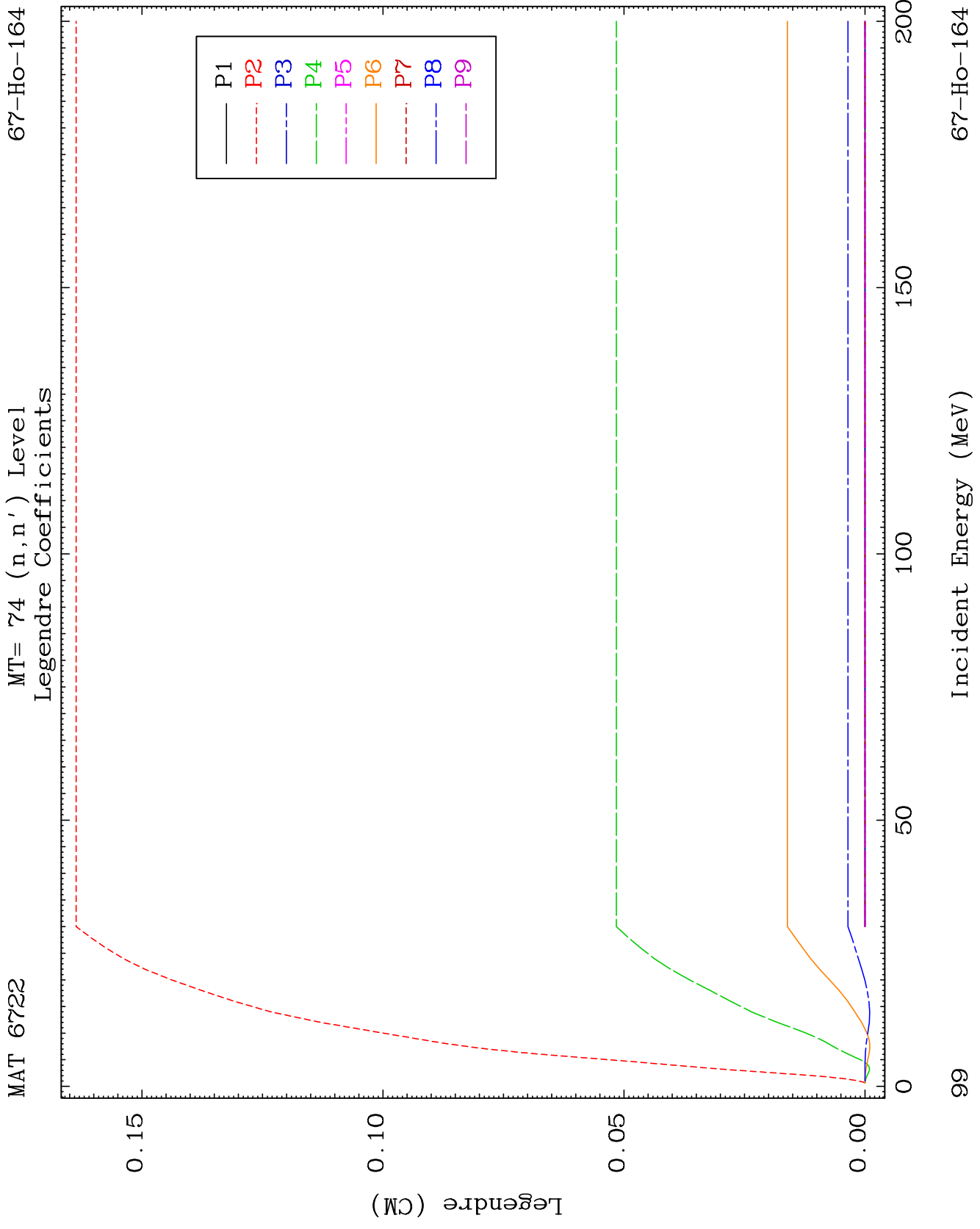
MT= 73 (n,n') Level
Legendre Coefficients

67-Ho-164



67-Ho-164

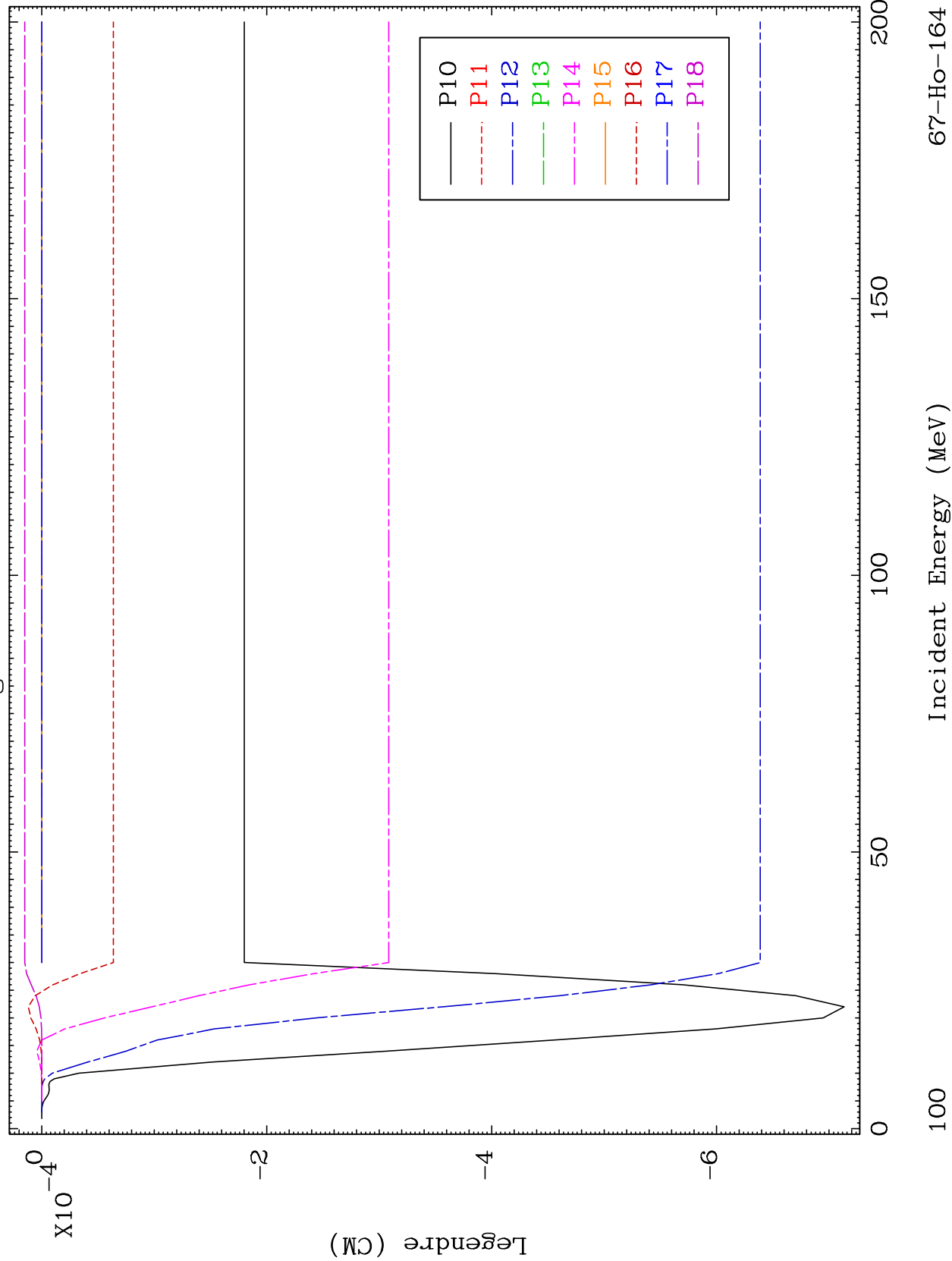




MAT 6722

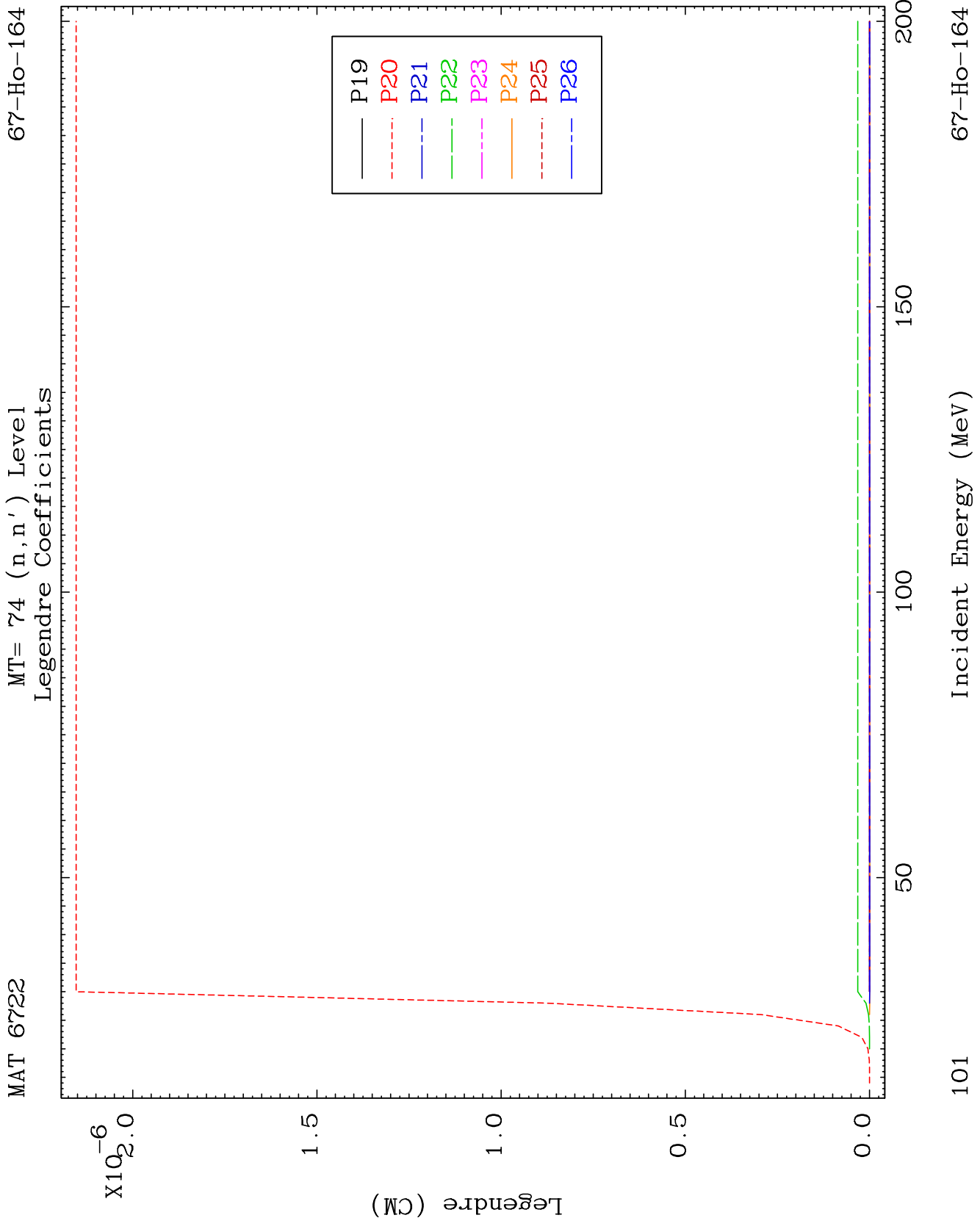
MT= 74 (n,n') Level
Legendre Coefficients

67-Ho-164



67-Ho-164

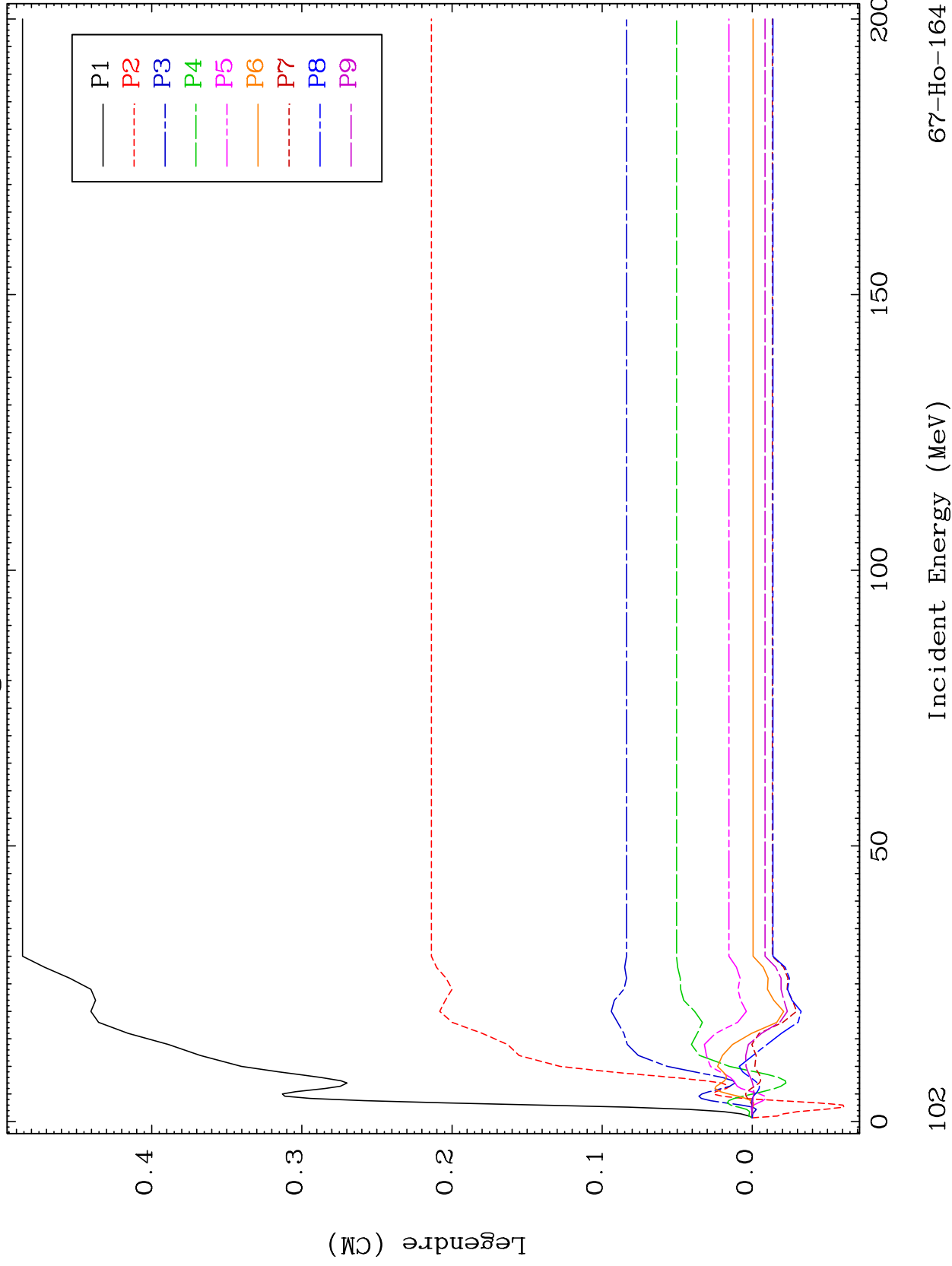
Incident Energy (MeV)



MAT 6722

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

67-Ho-164



67-Ho-164

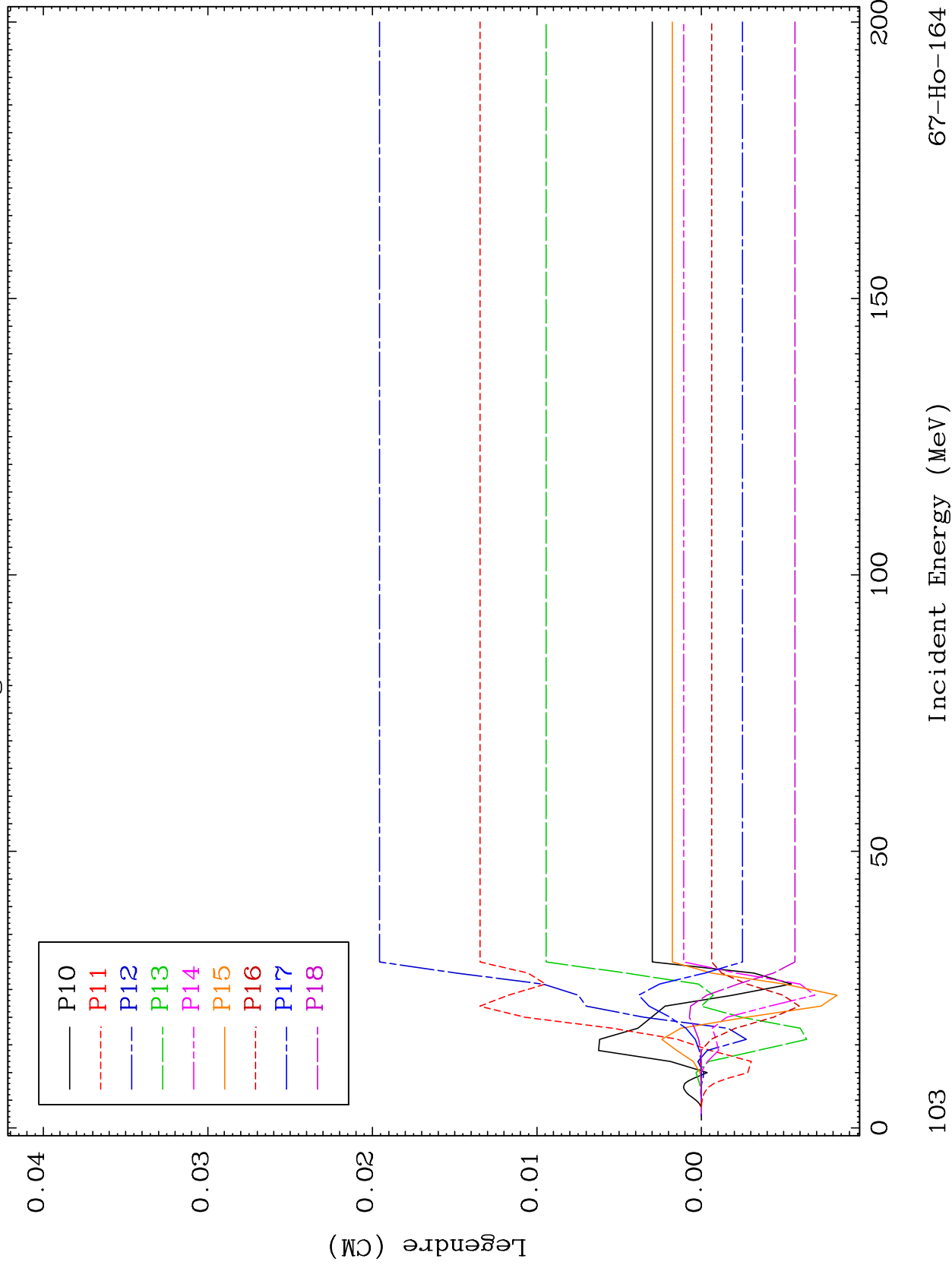
Incident Energy (MeV)

102

MAT 67222

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

67-Ho-164



67-Ho-164

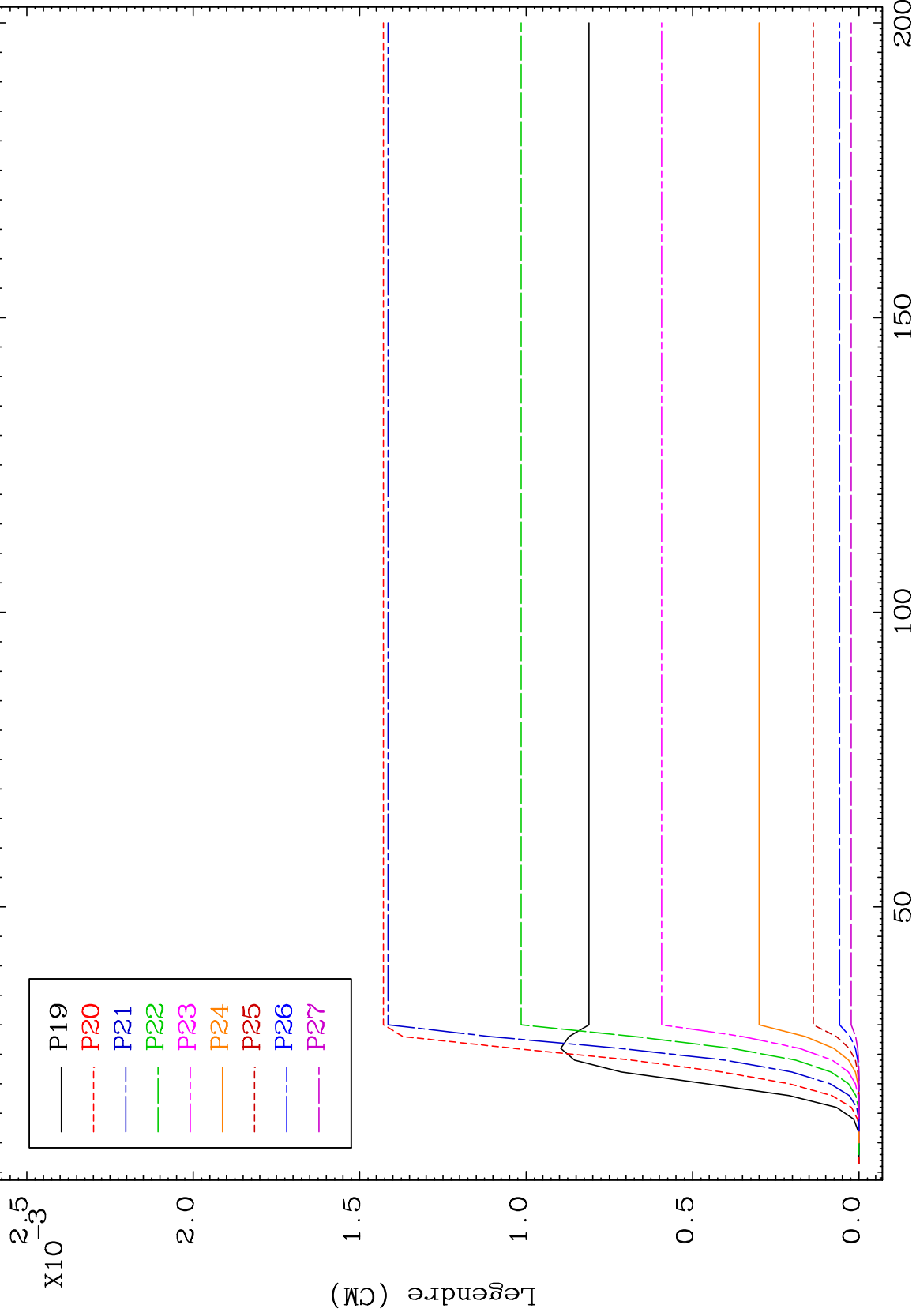
Incident Energy (MeV)

103

MAT 67222

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

67-Ho-164



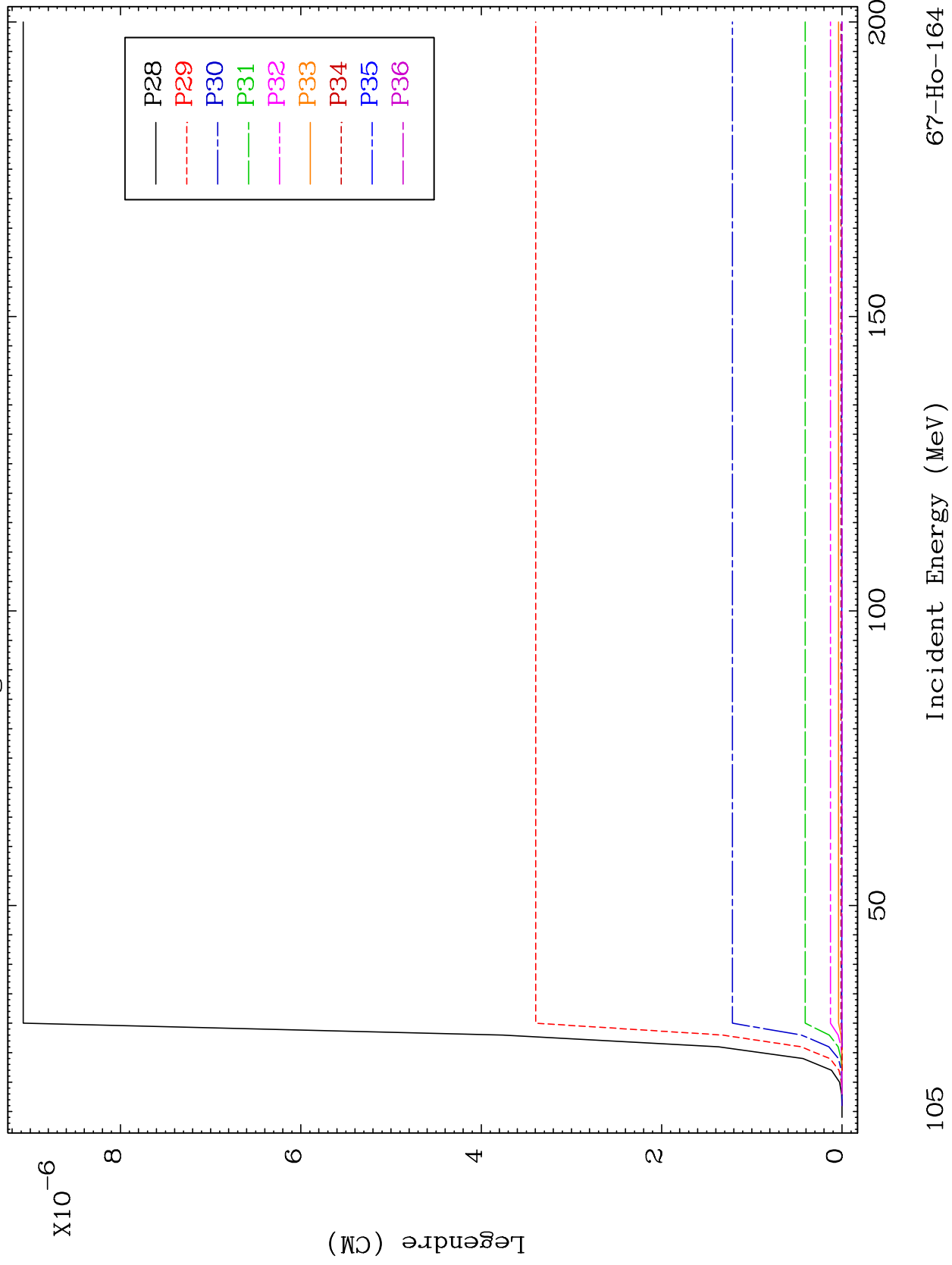
104

67-Ho-164

MAT 6722

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

67-Ho-164



67-Ho-164

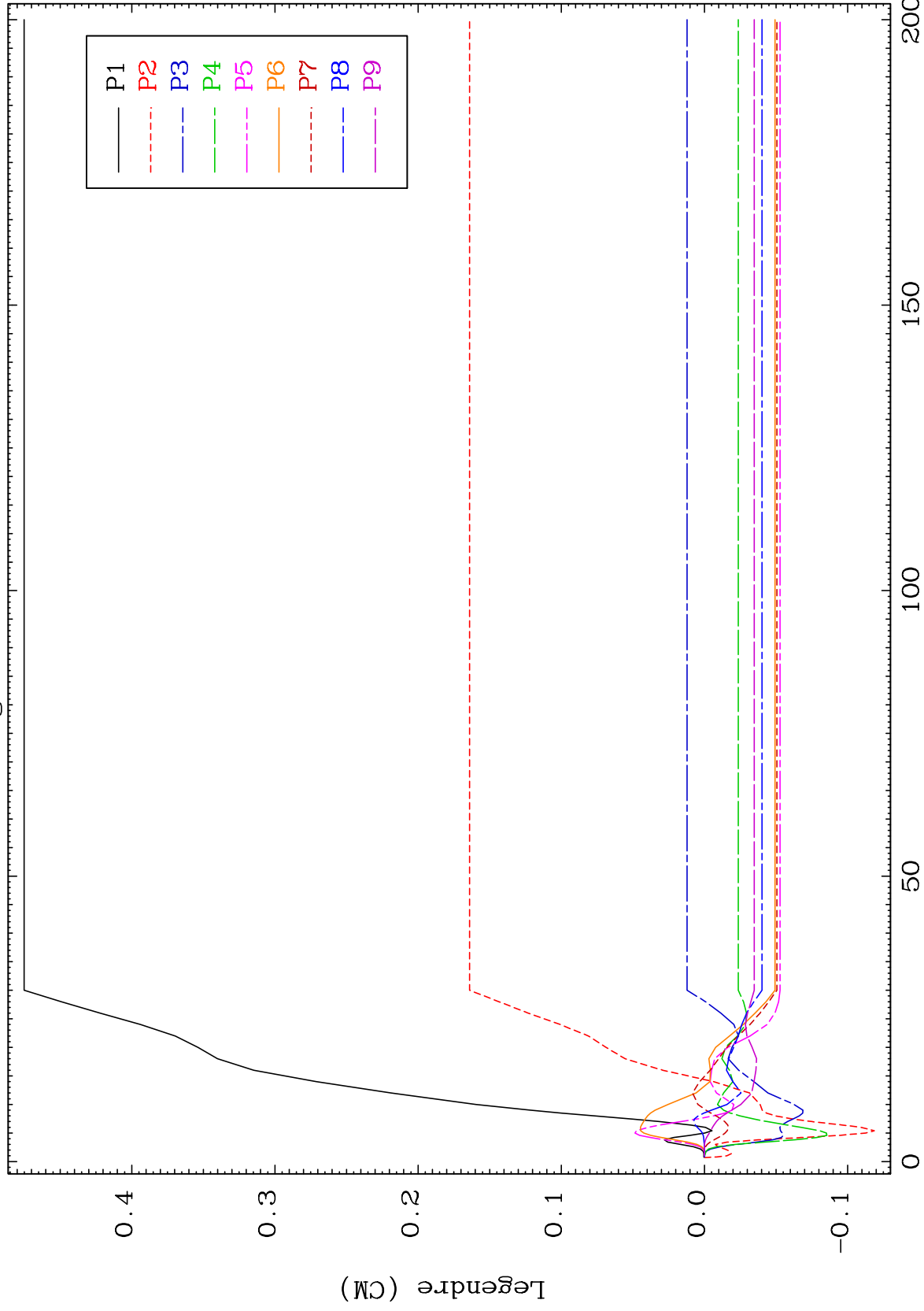
Incident Energy (MeV)

105

MAT 6722

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

67-Ho-164



67-Ho-164

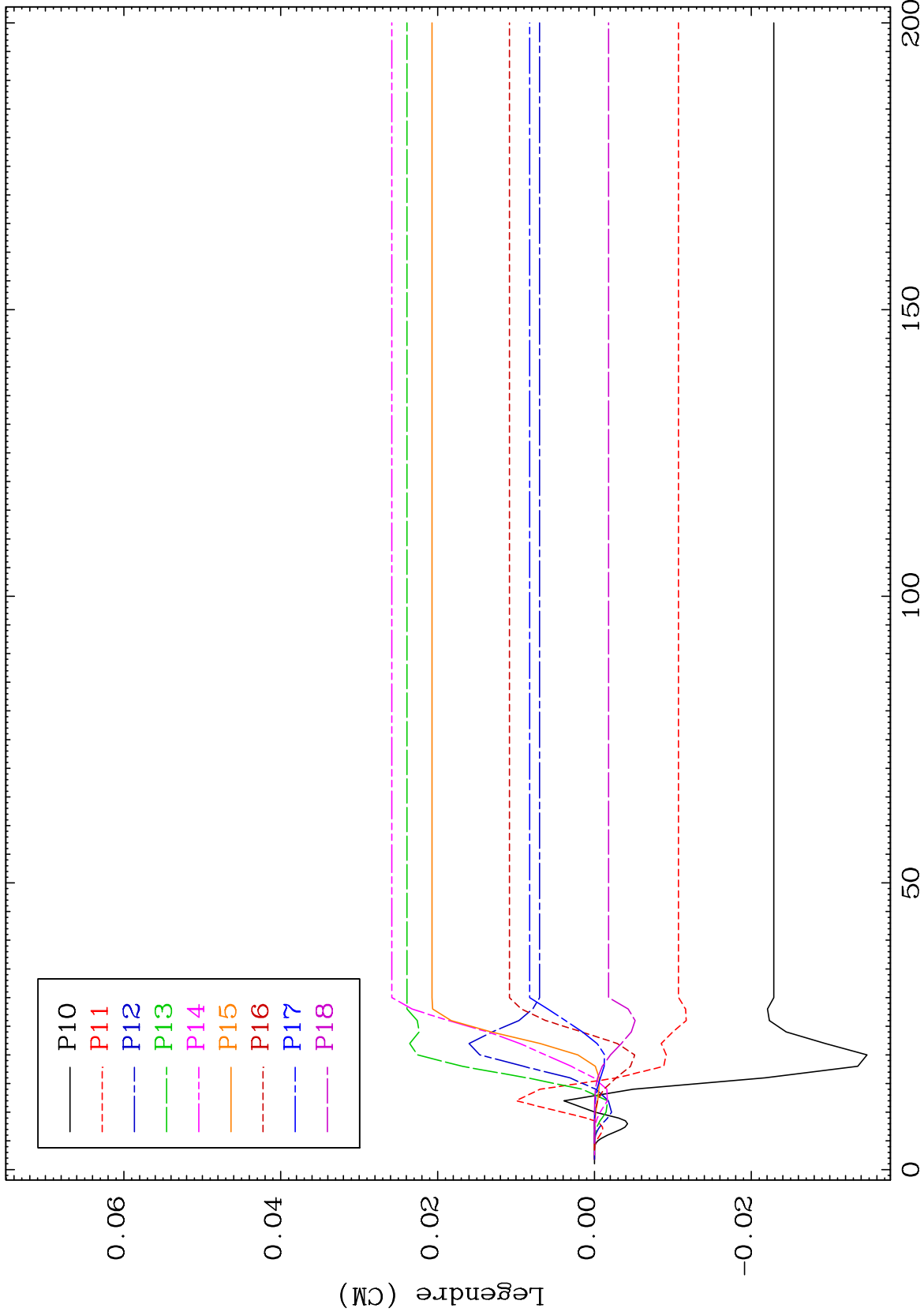
Incident Energy (MeV)

106

MAT 6722

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

67-Ho-164



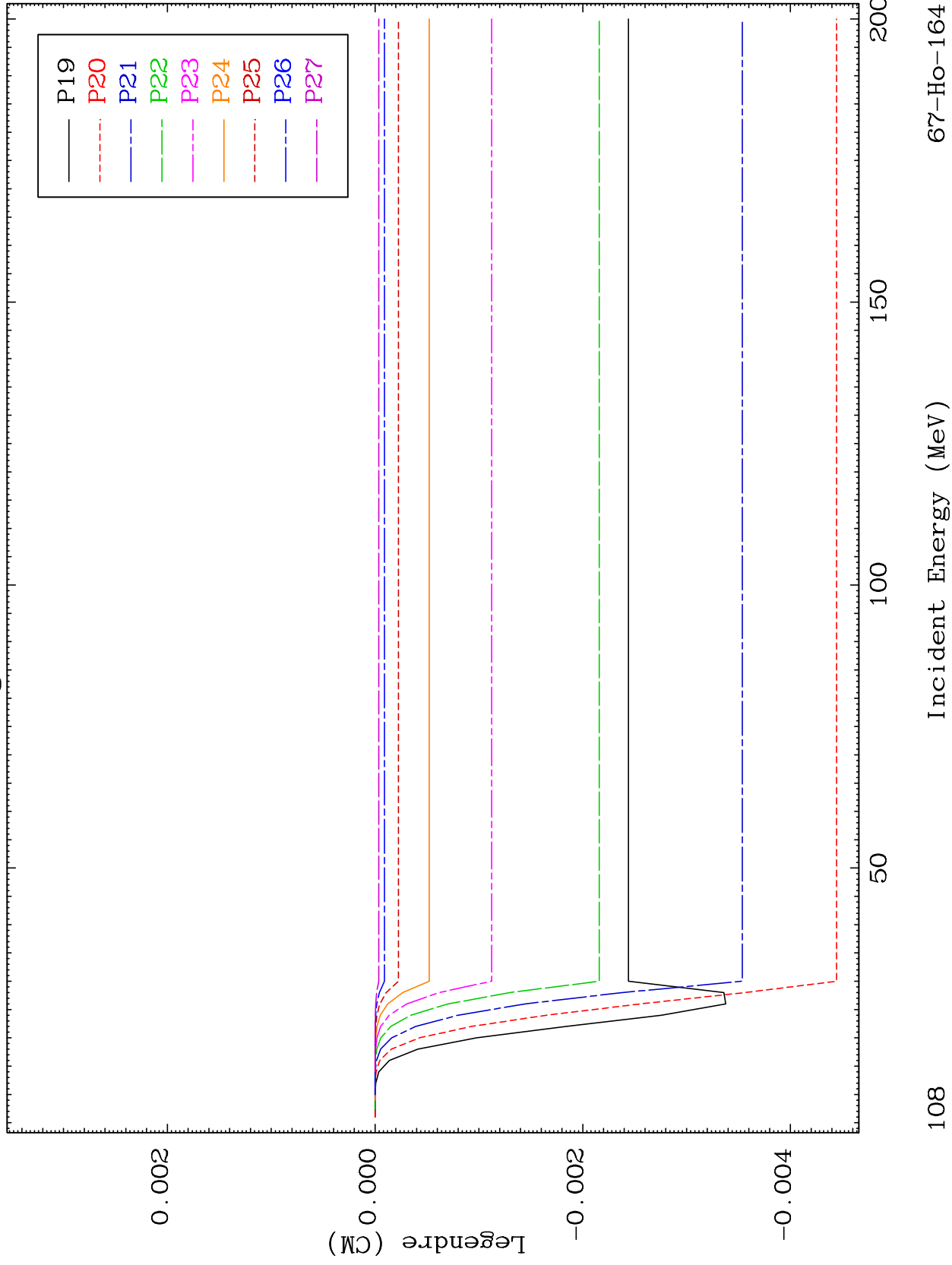
107

67-Ho-164

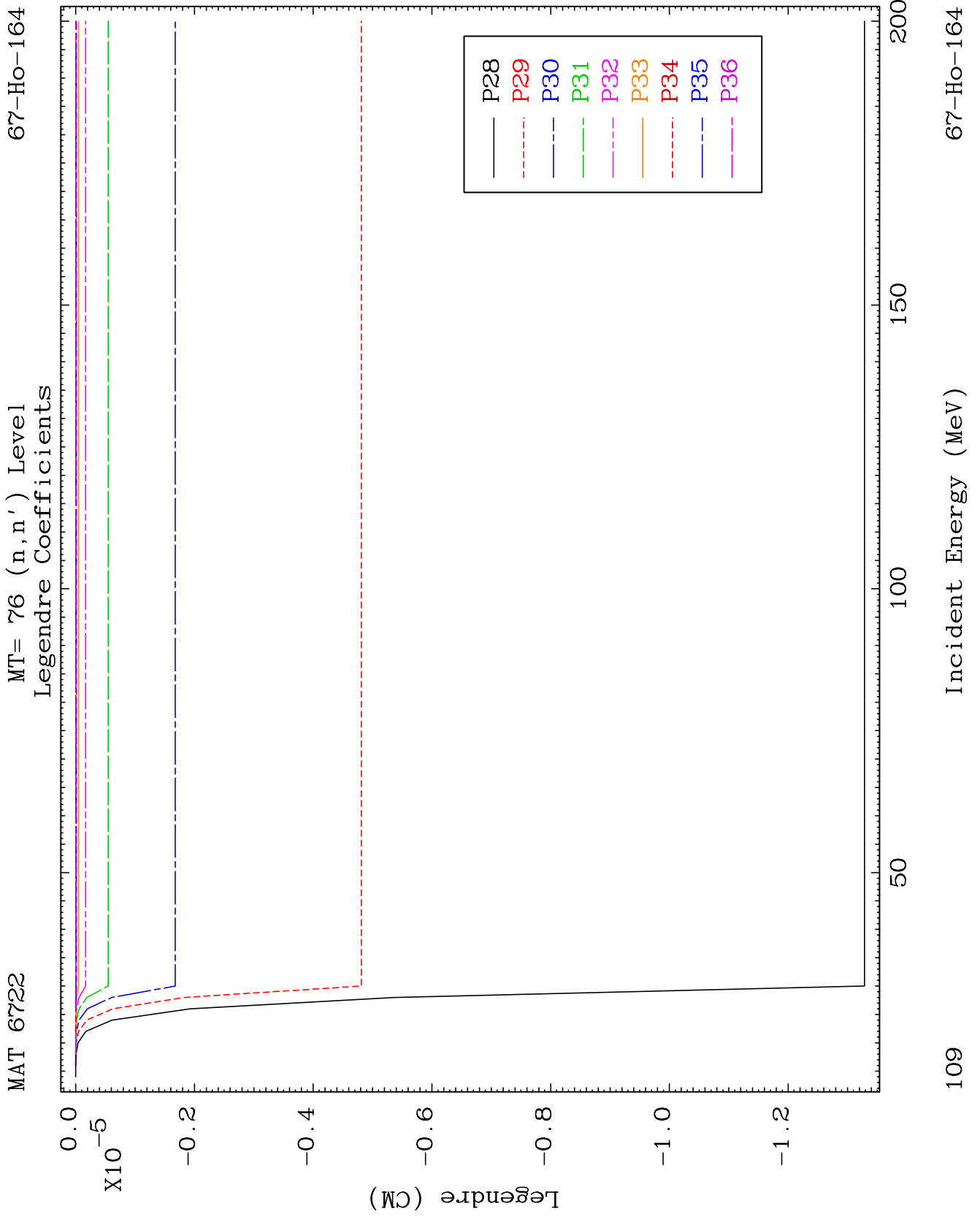
MAT 6722

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

67-Ho-164



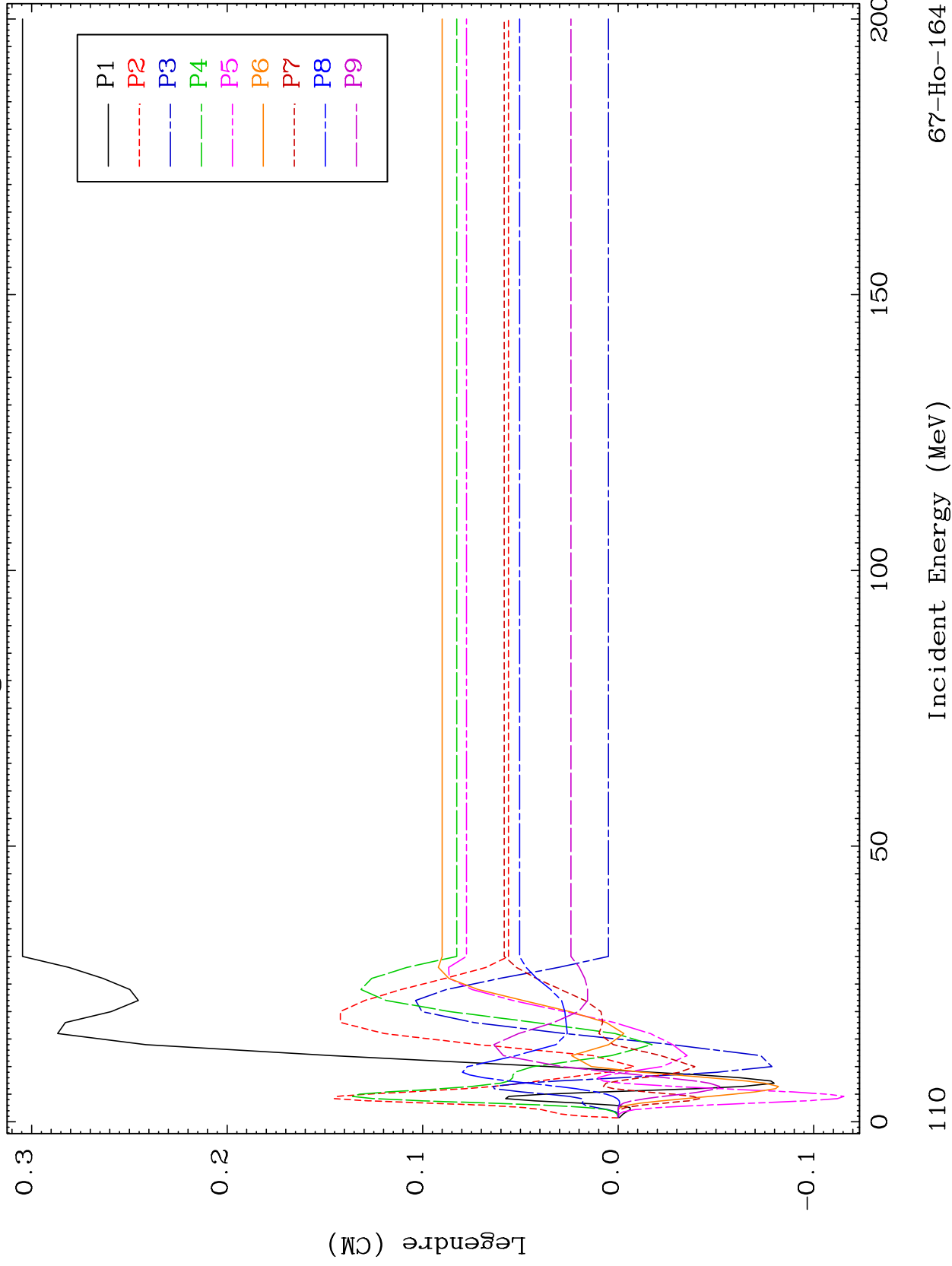
108



MAT 6722

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

67-Ho-164



67-Ho-164

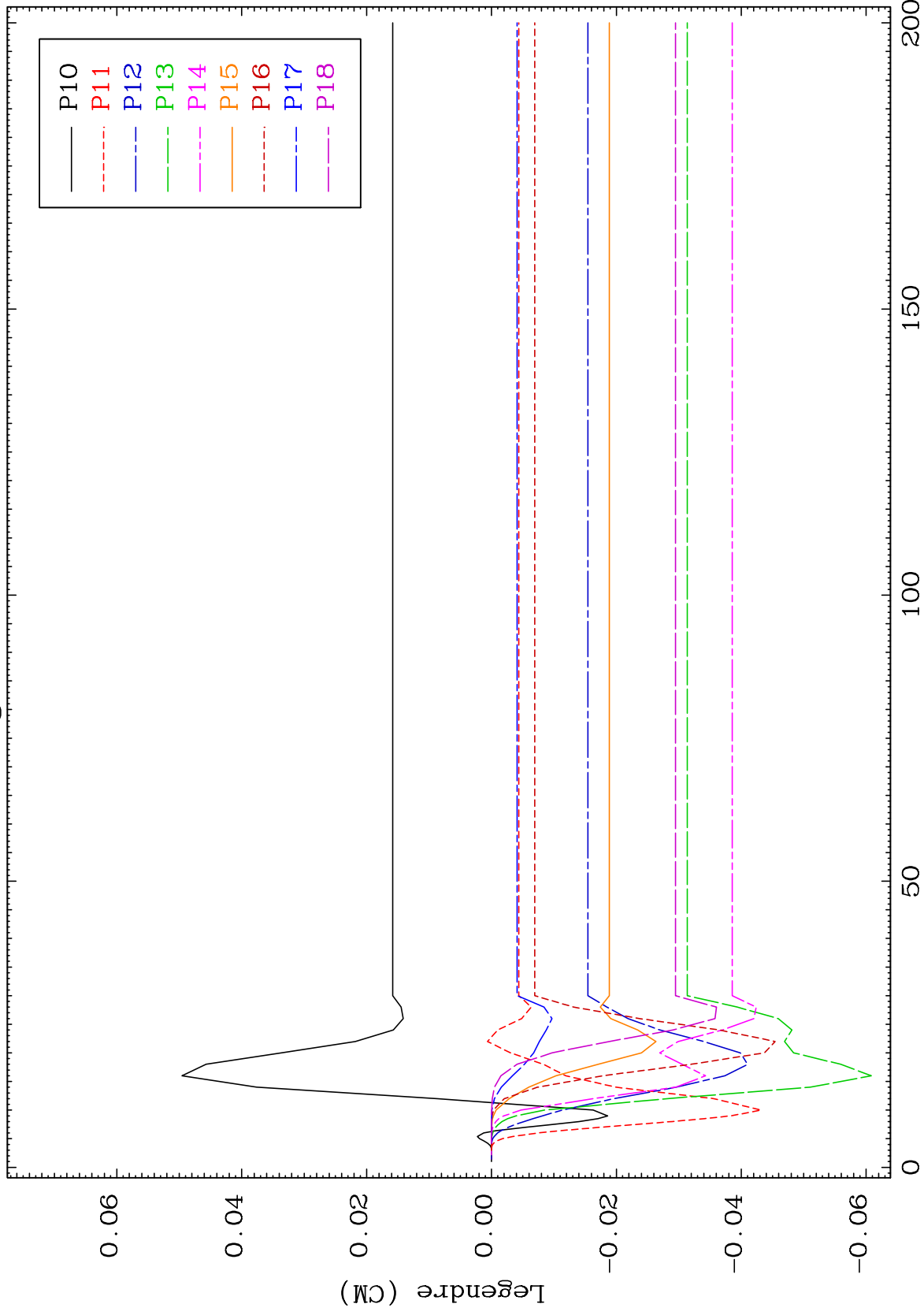
Incident Energy (MeV)

110

MAT 6722

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

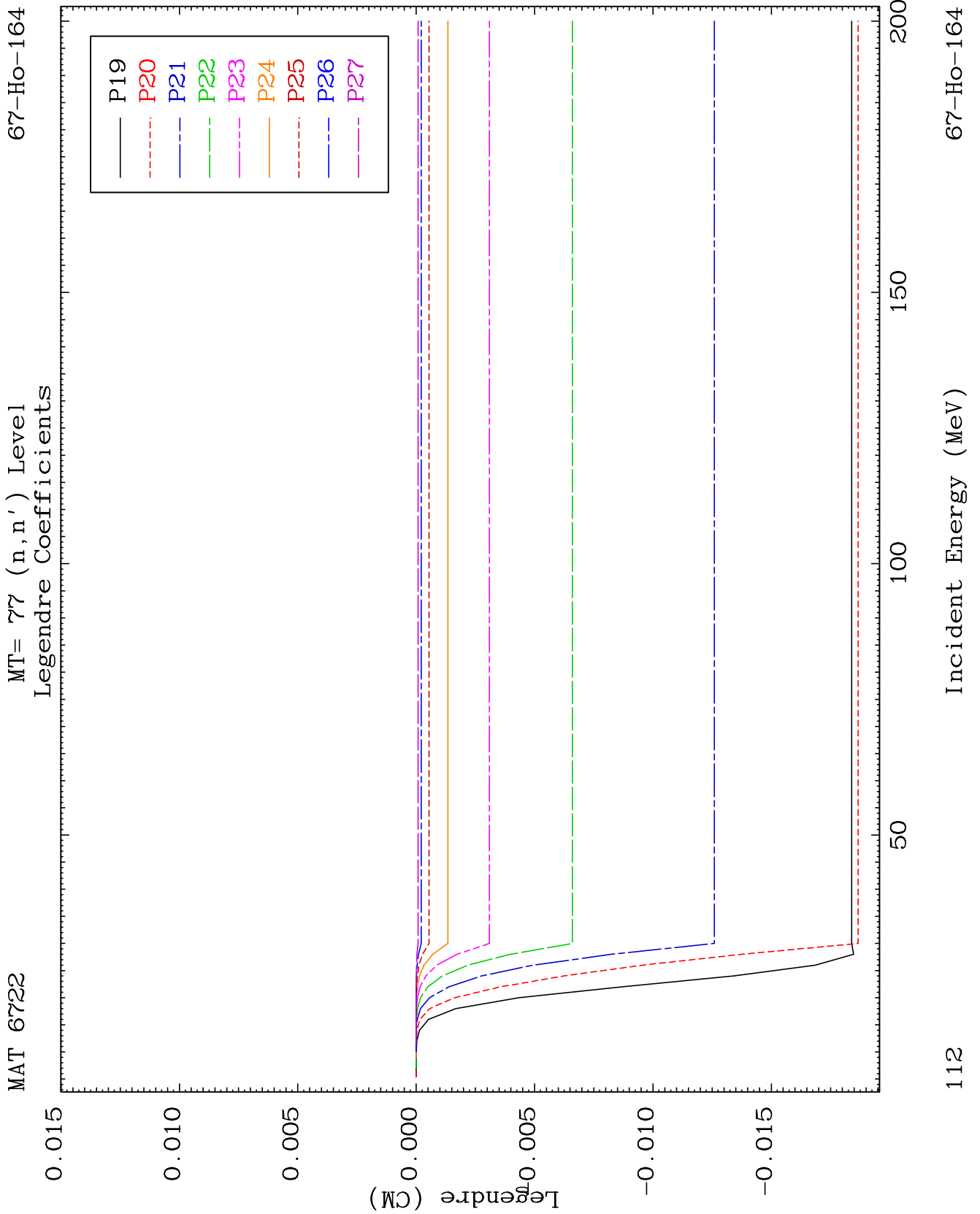
67-Ho-164

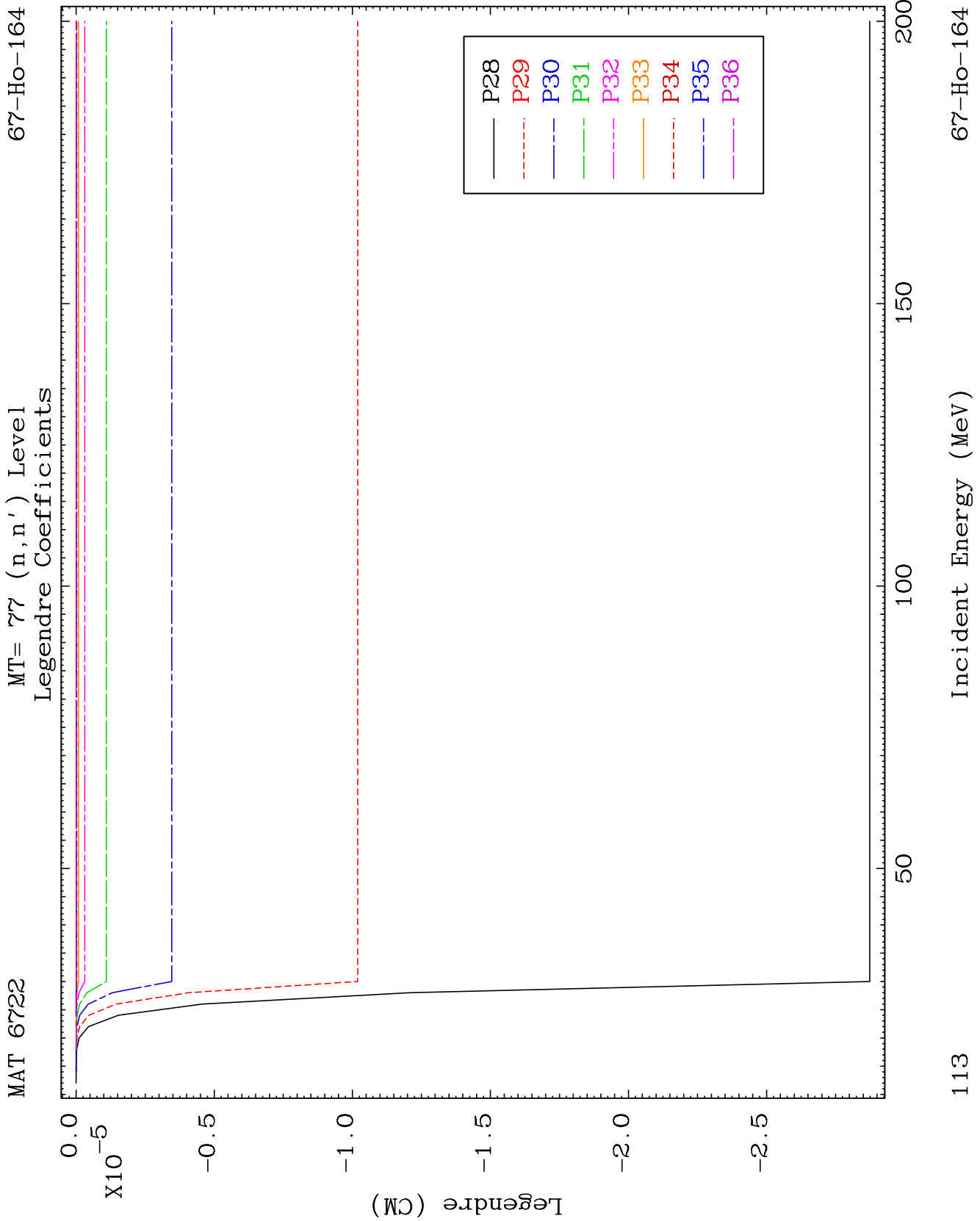


111

Incident Energy (MeV)

67-Ho-164

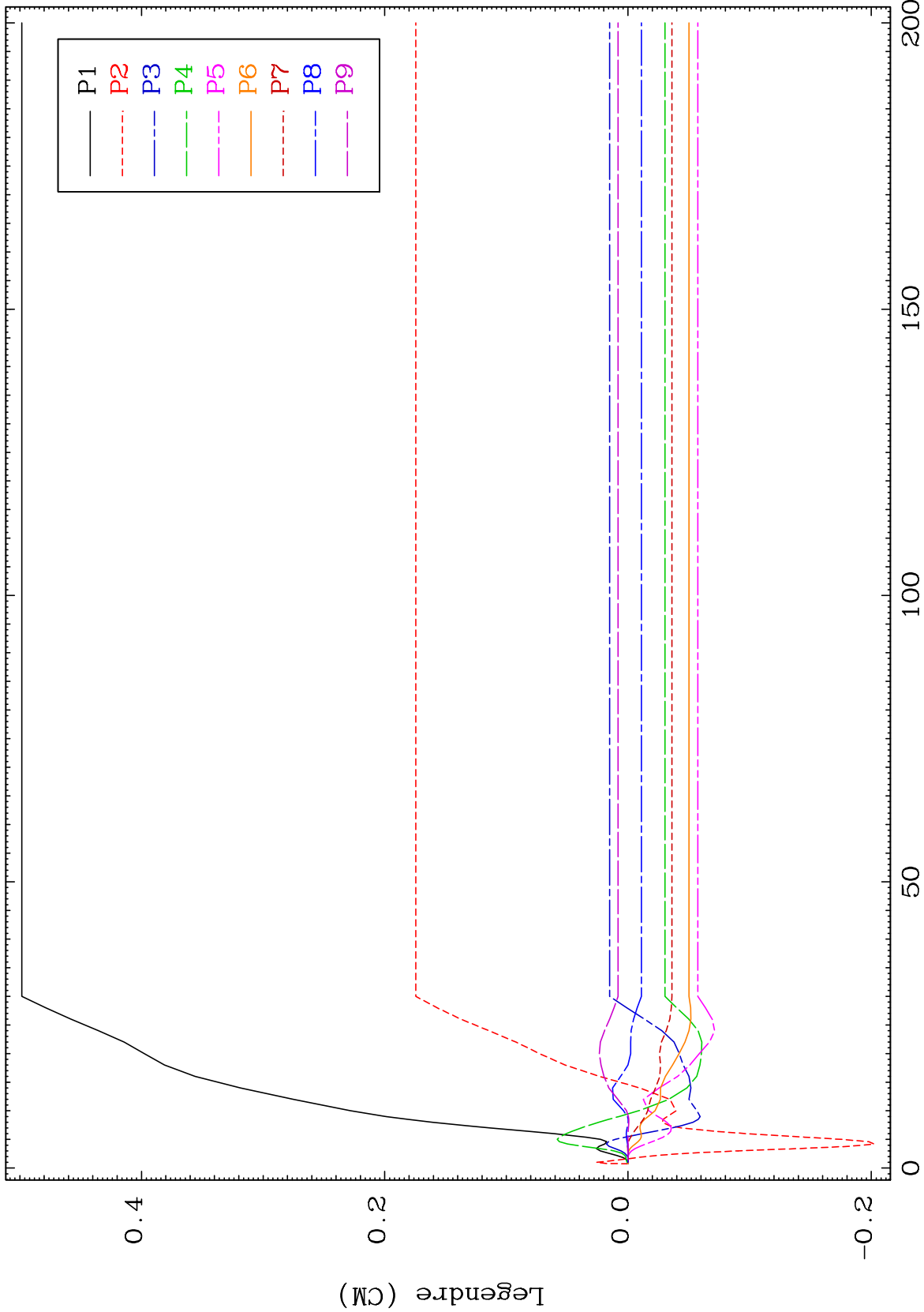




MAT 6722

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

67-Ho-164



114

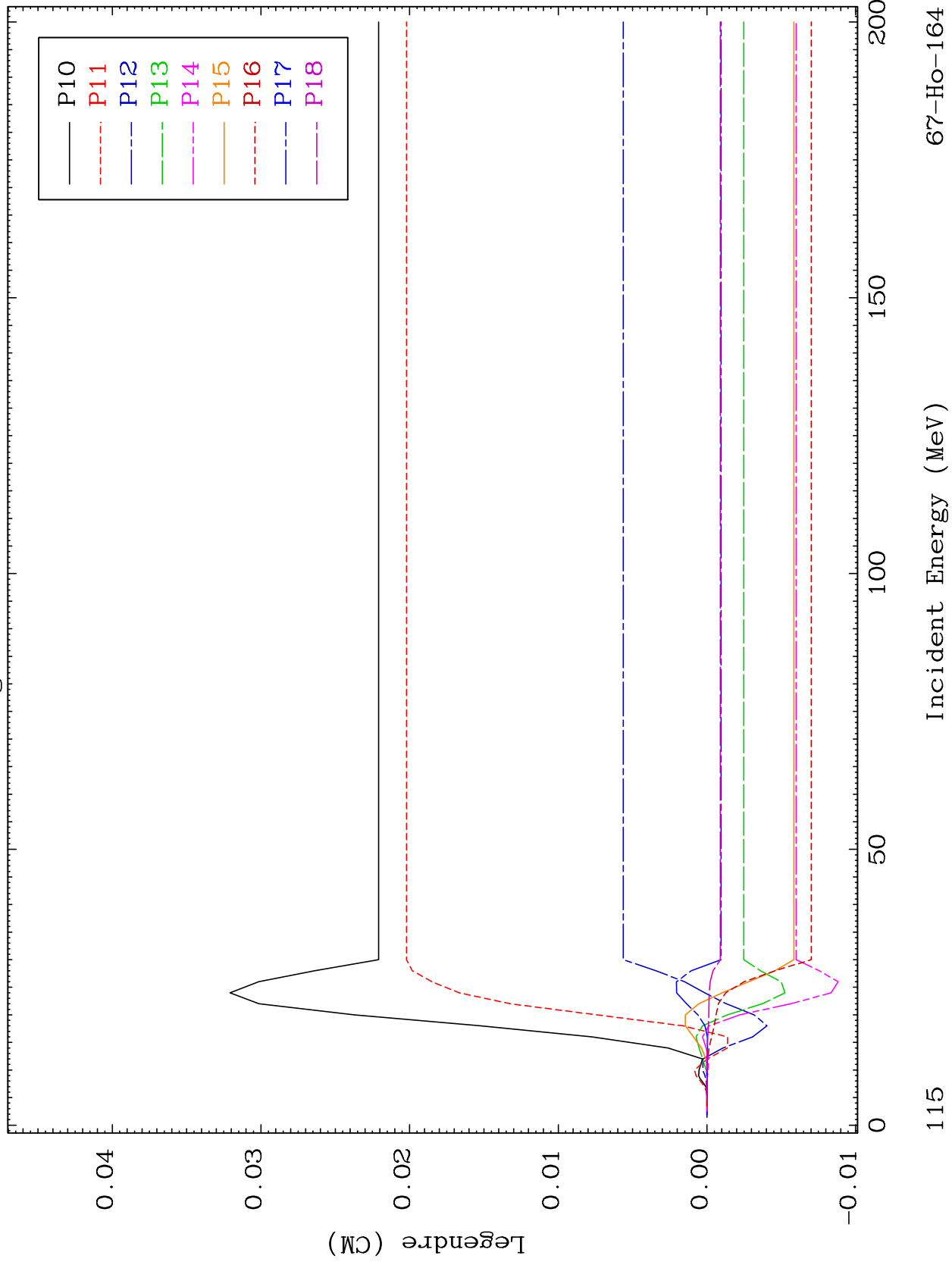
Incident Energy (MeV)

67-Ho-164

MAT 6722

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

67-Ho-164



67-Ho-164

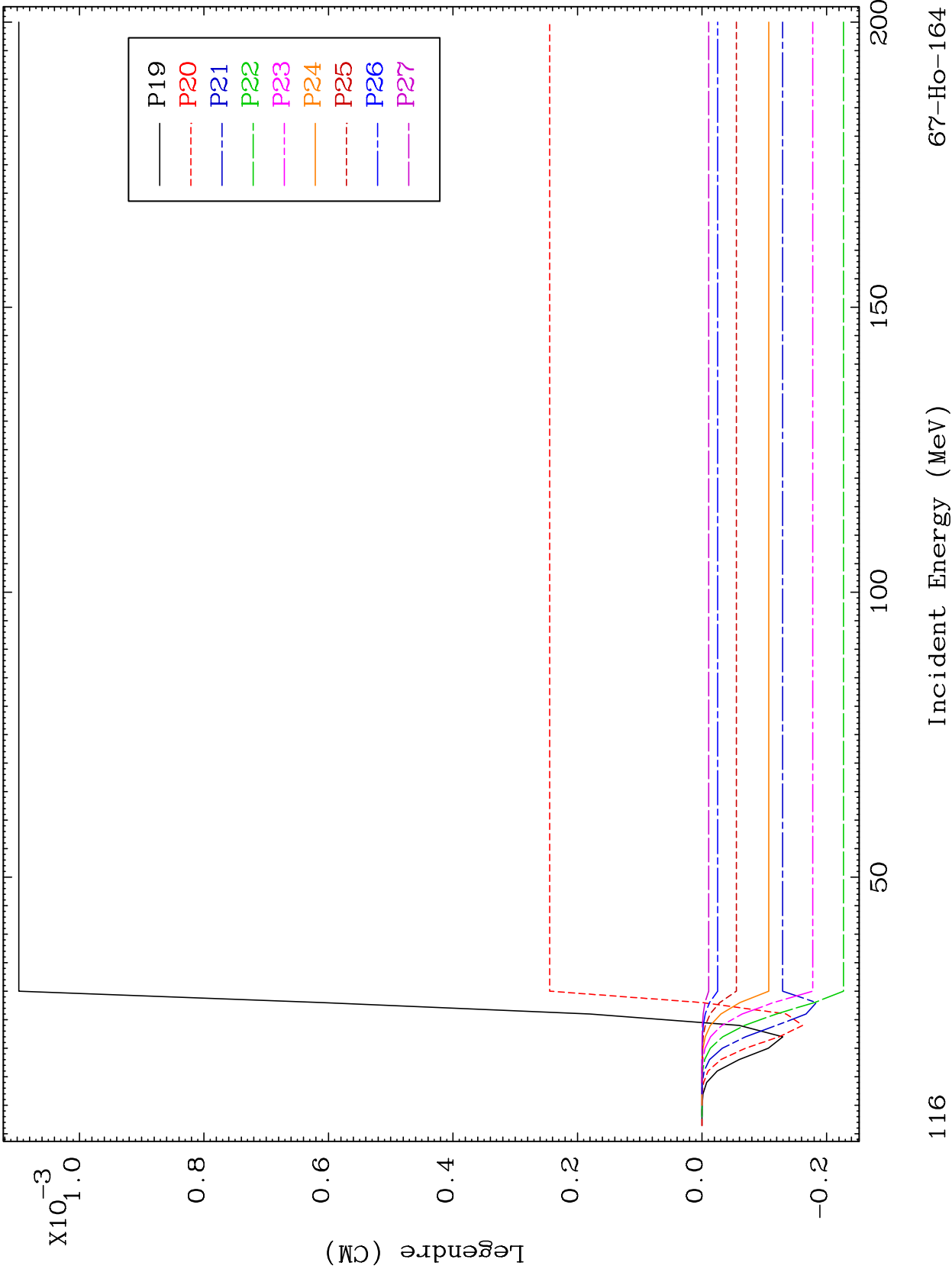
Incident Energy (MeV)

115

MAT 6722

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

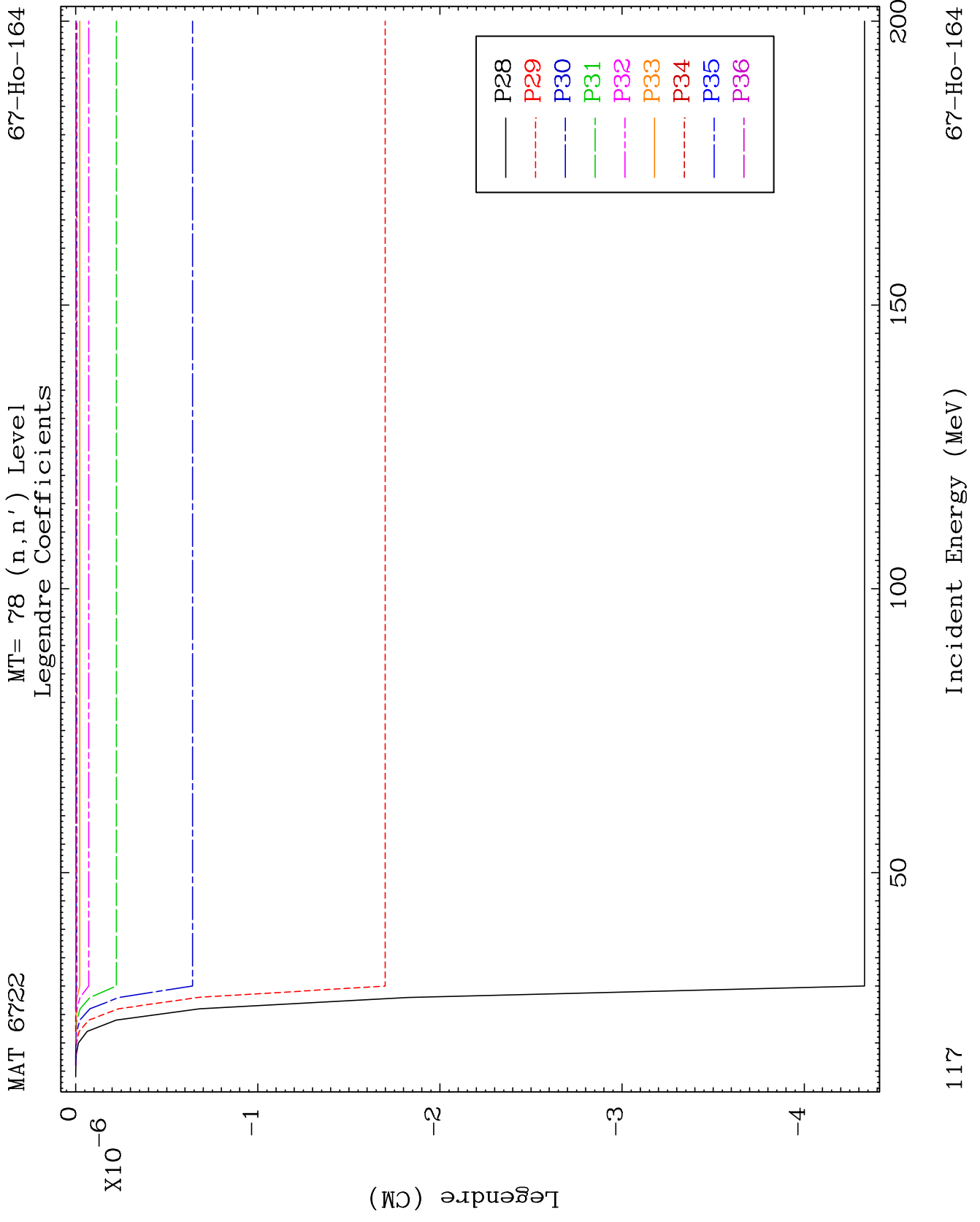
67-Ho-164

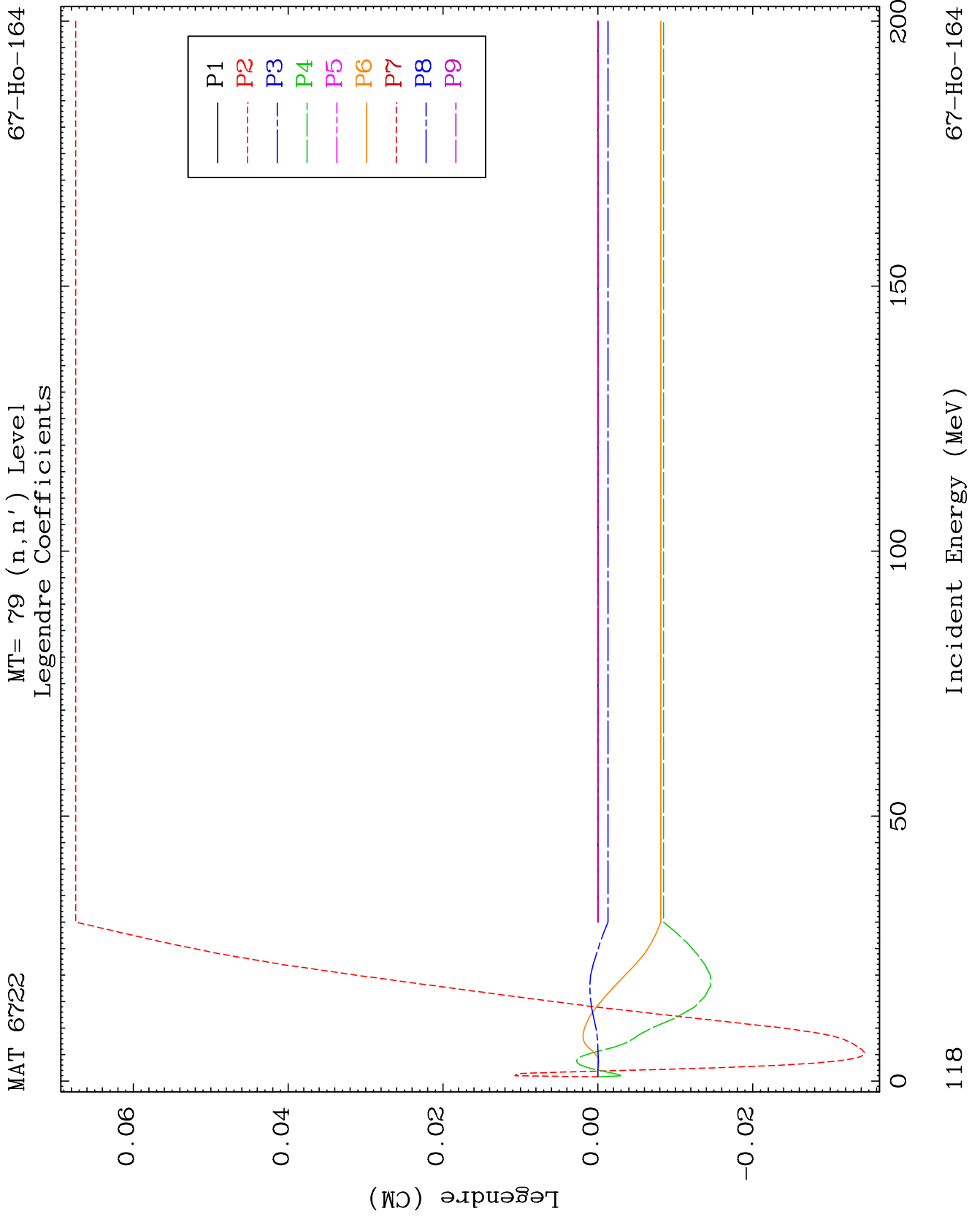


116

Incident Energy (MeV)

67-Ho-164

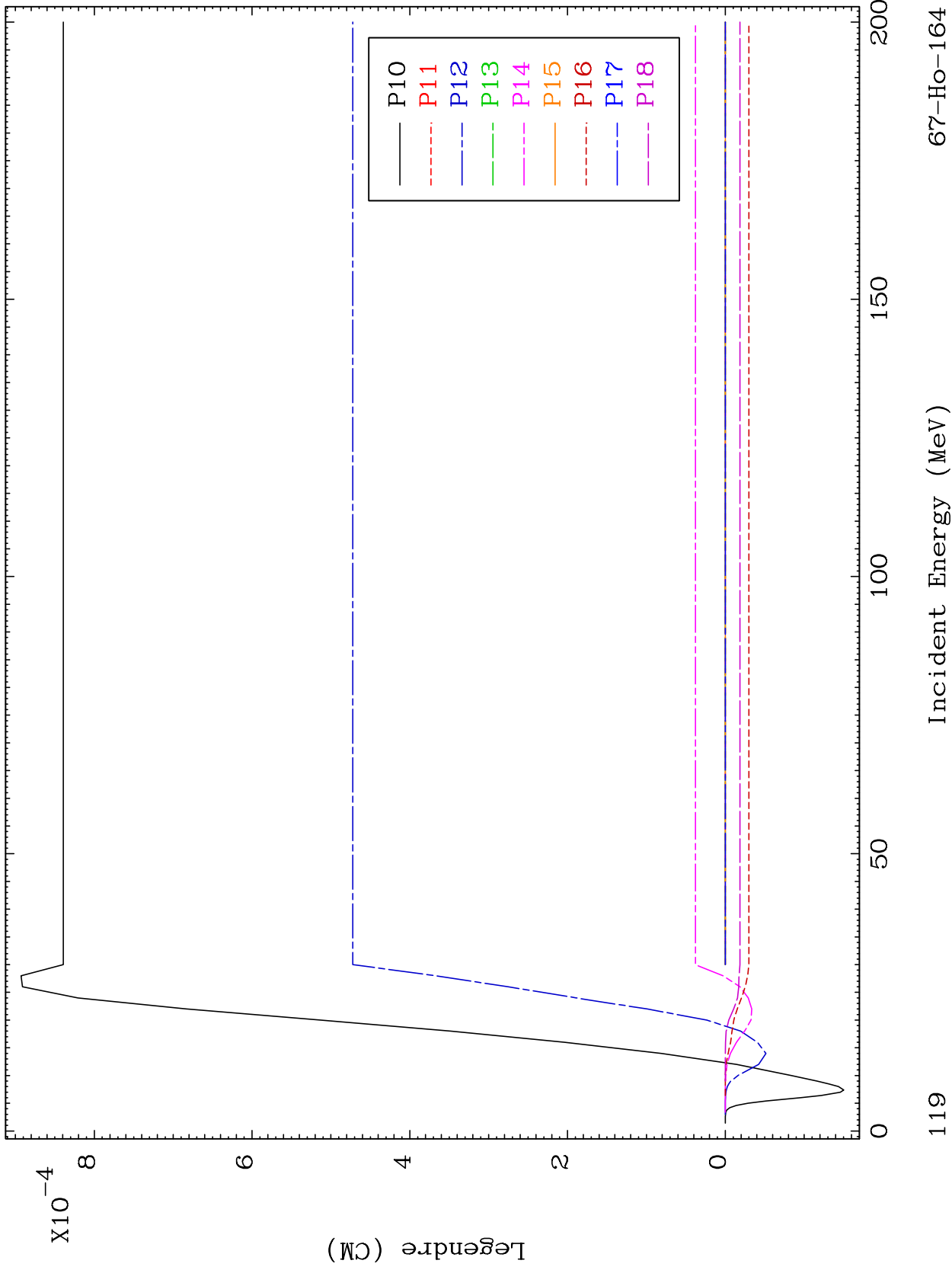


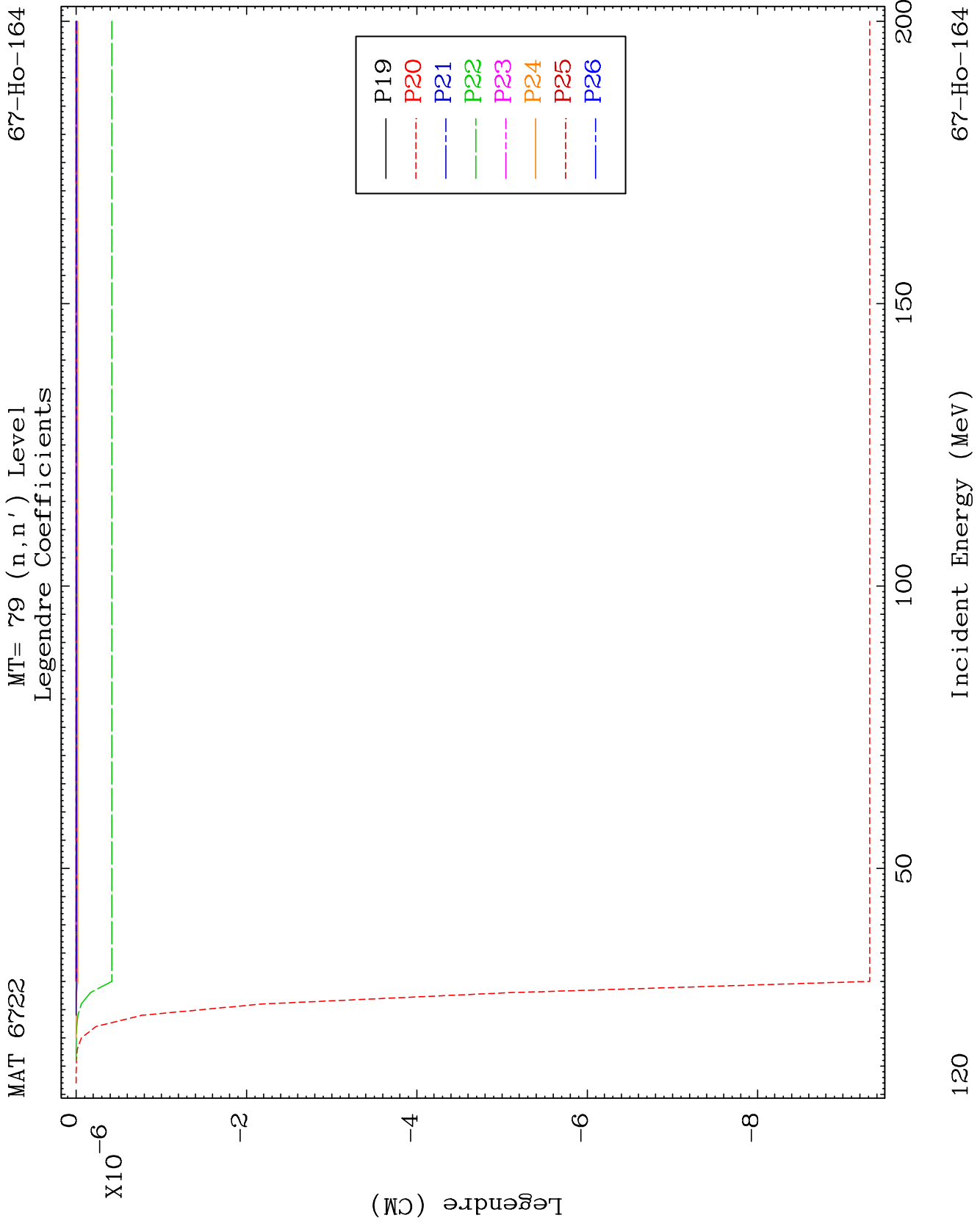


MAT 6722

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

67-Ho-164

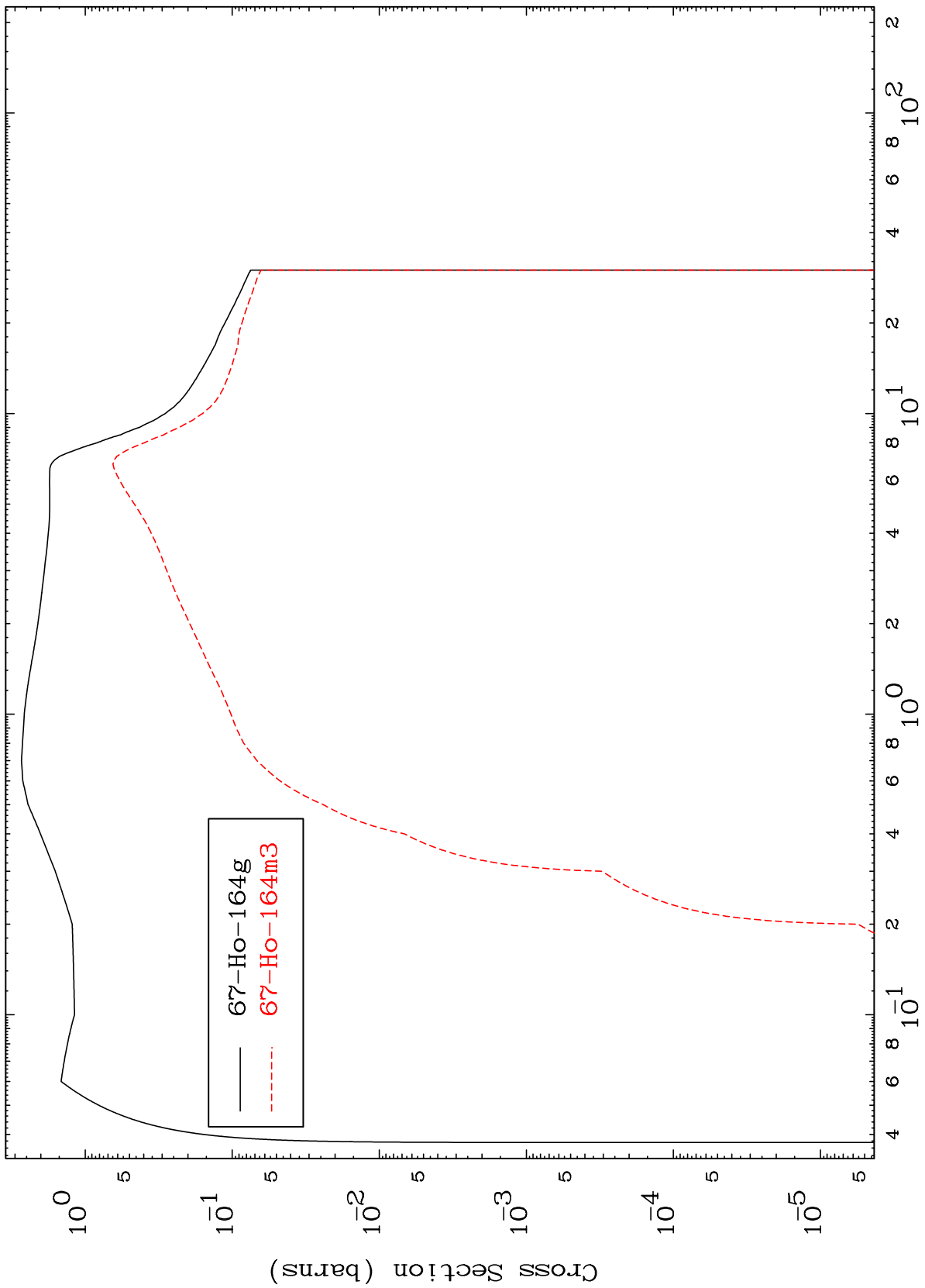




MAT 6722

67-Ho-164

Inelastic
Radionuclide Production Cross Section



67-Ho-164

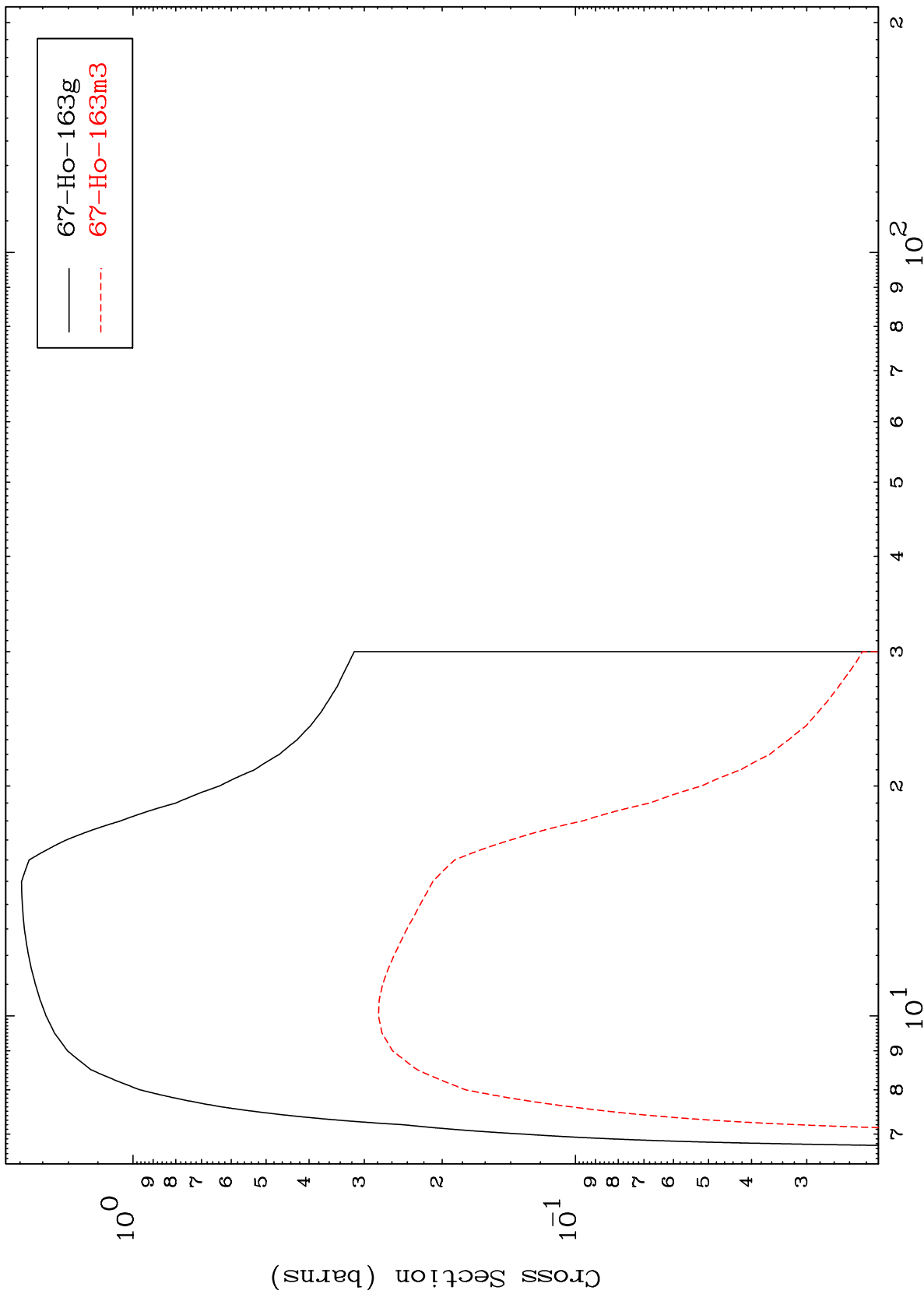
Incident Energy (MeV)

121

MAT 6722

67-Ho-164

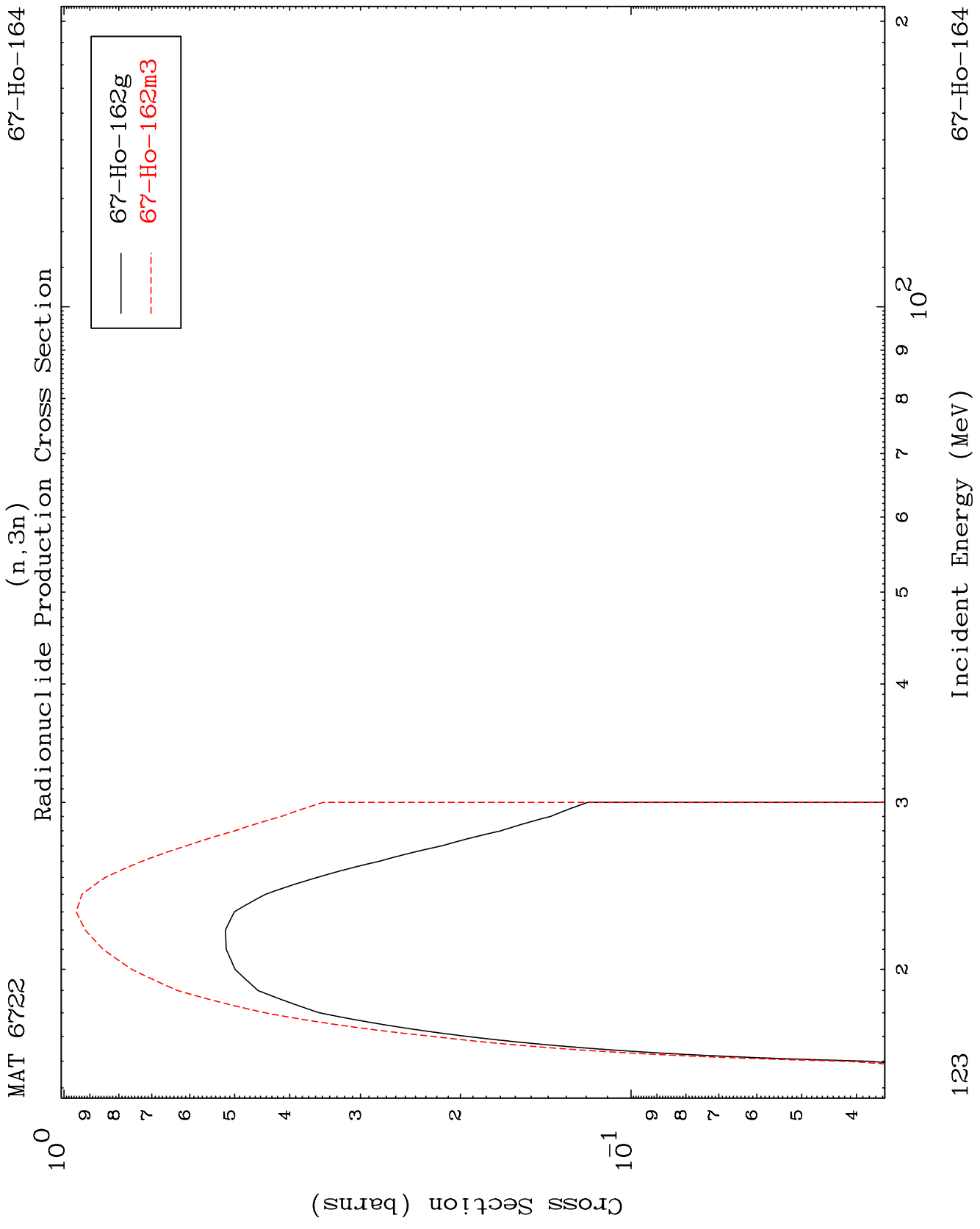
(n,2n)
Radionuclide Production Cross Section



67-Ho-164

Incident Energy (MeV)

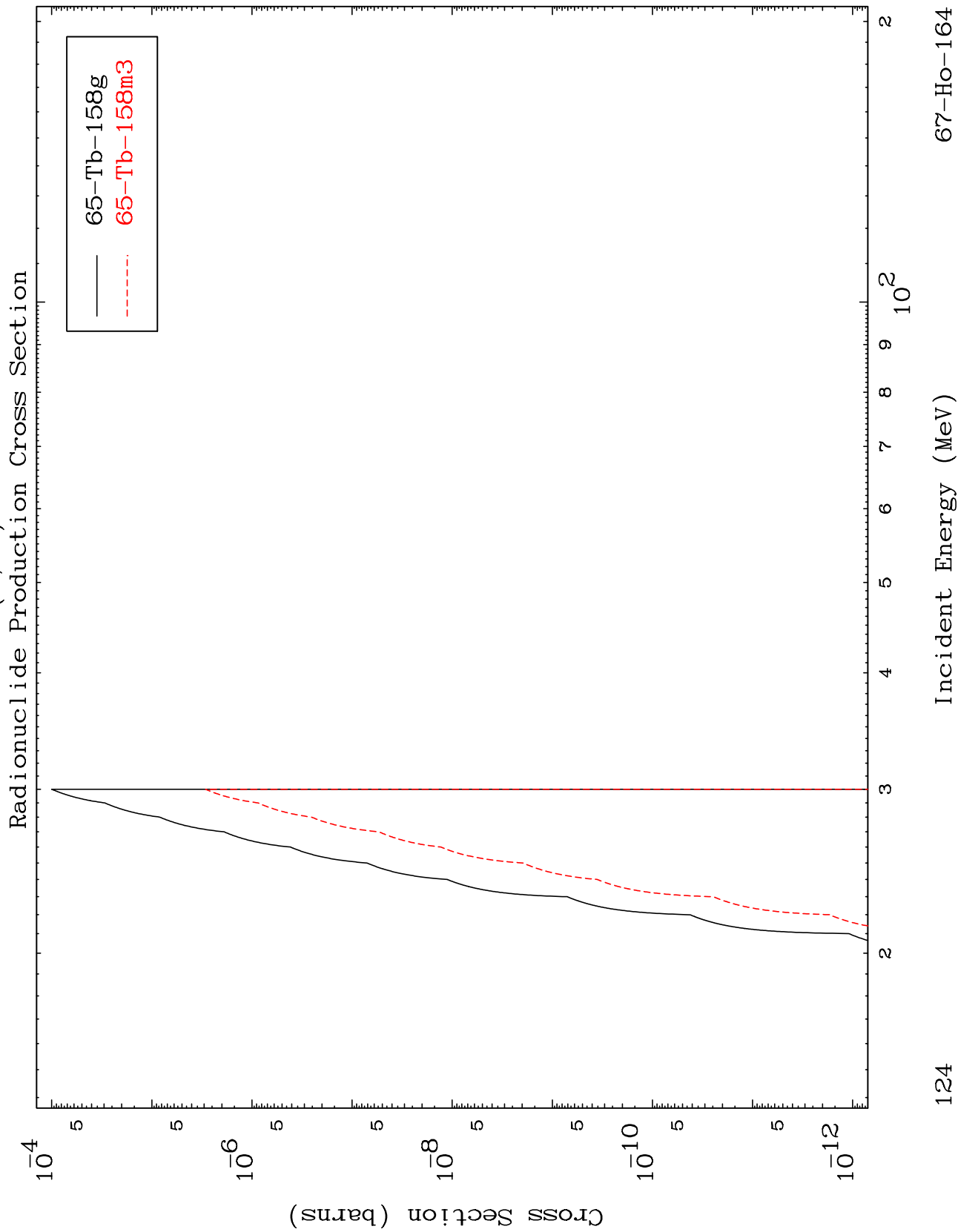
122



MAT 6722

(n,3n) α

67-Ho-164



124

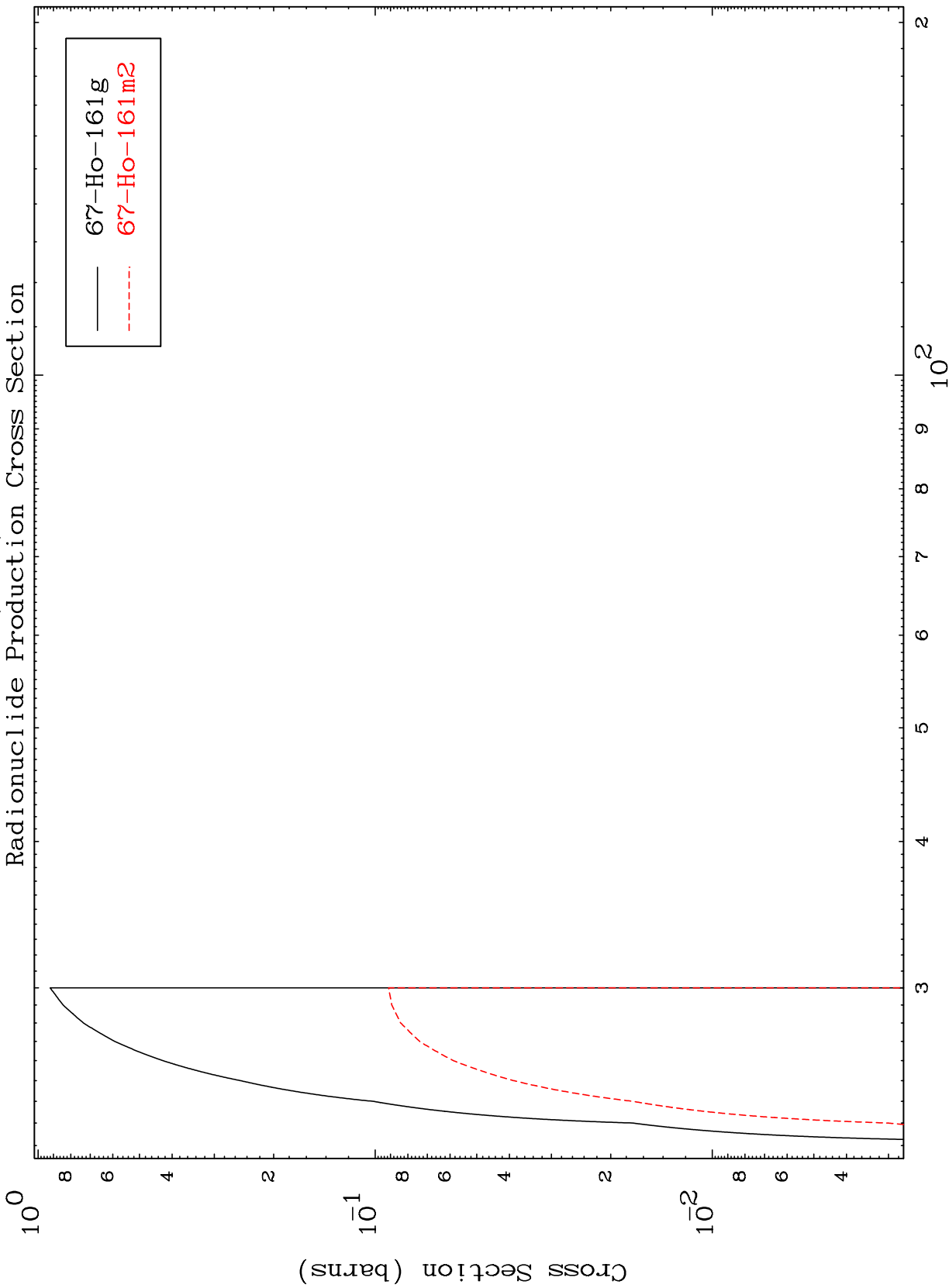
Incident Energy (MeV)

67-Ho-164

MAT 6722

67-Ho-164

(n,4n)
Radionuclide Production Cross Section



67-Ho-161 g
67-Ho-161 m2

67-Ho-164

Incident Energy (MeV)

125