

Program EVALPLOT
(Version 2021-1)

by

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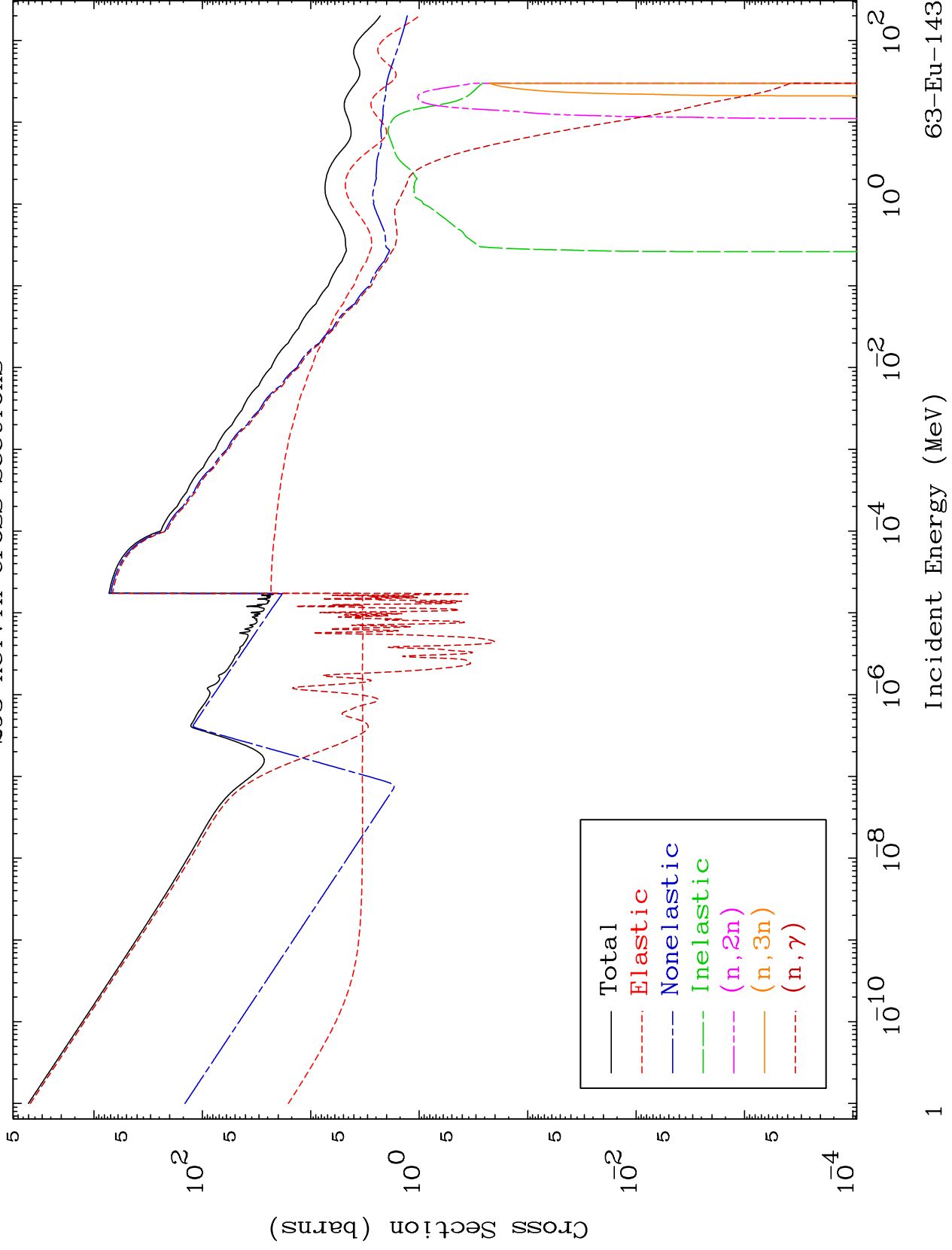
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6301

Neutron Major
293 Kelvin Cross Sections

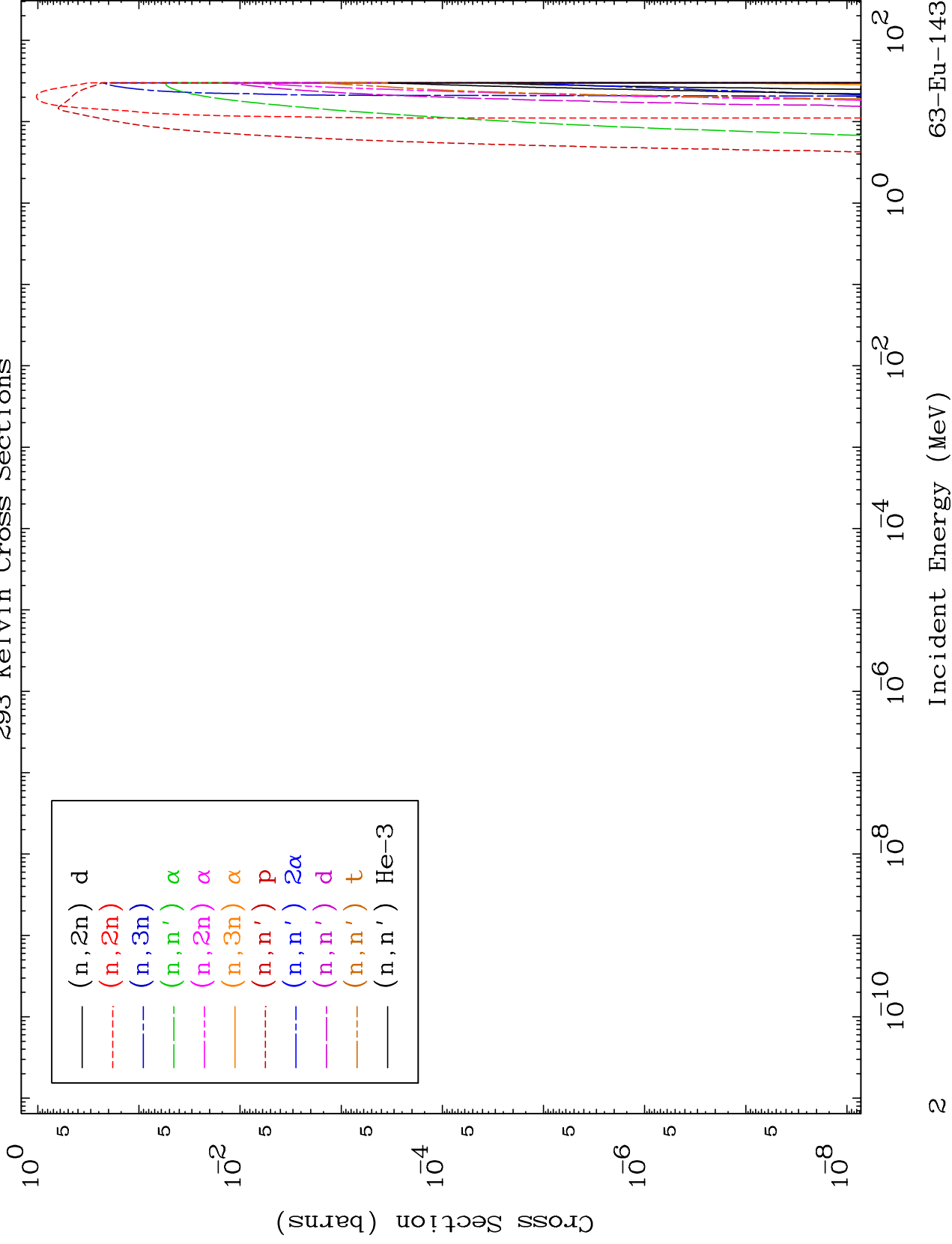
63-Eu-143

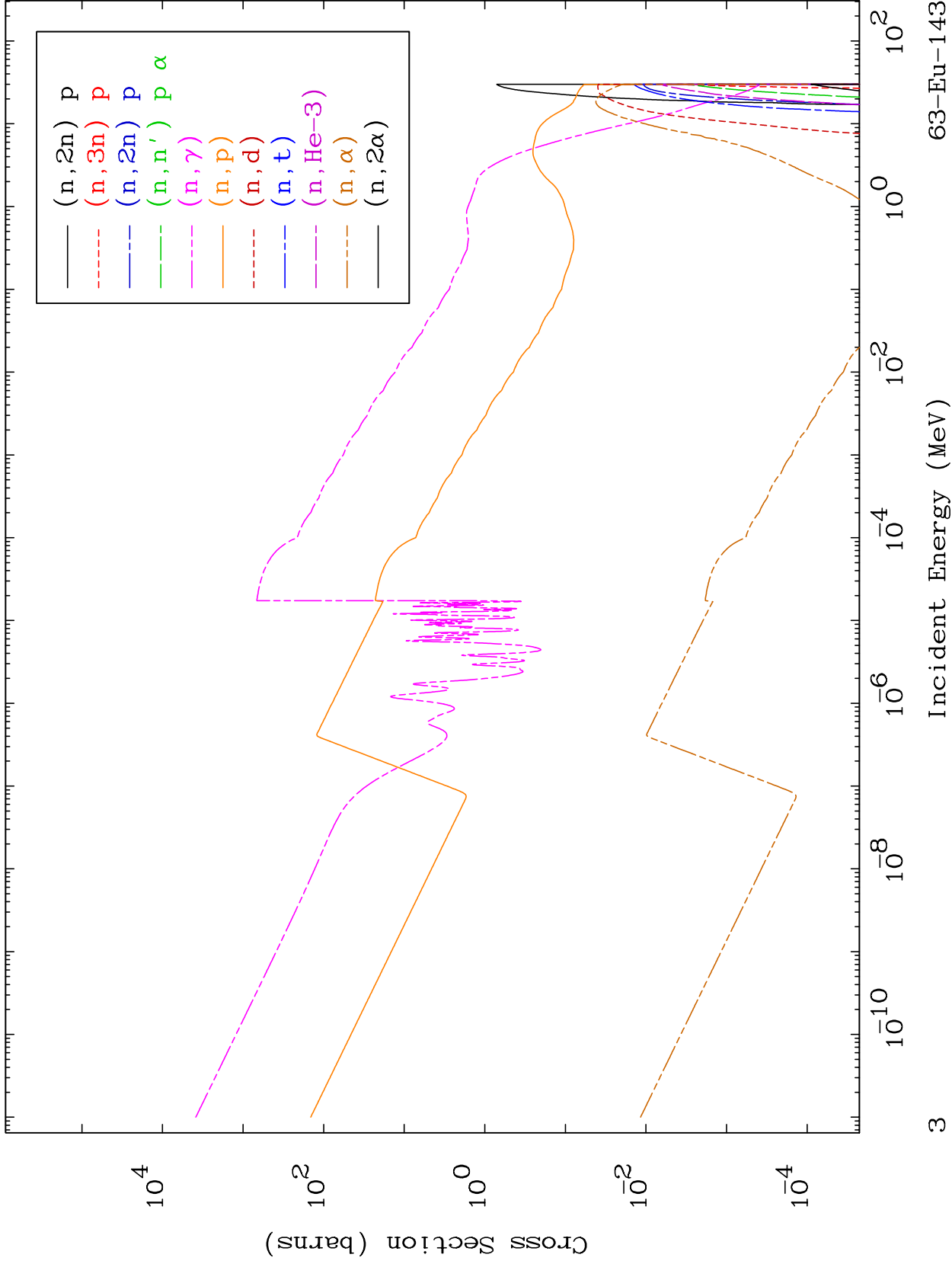


MAT 6301

Neutron Absorption
293 Kelvin Cross Sections

63-Eu-143

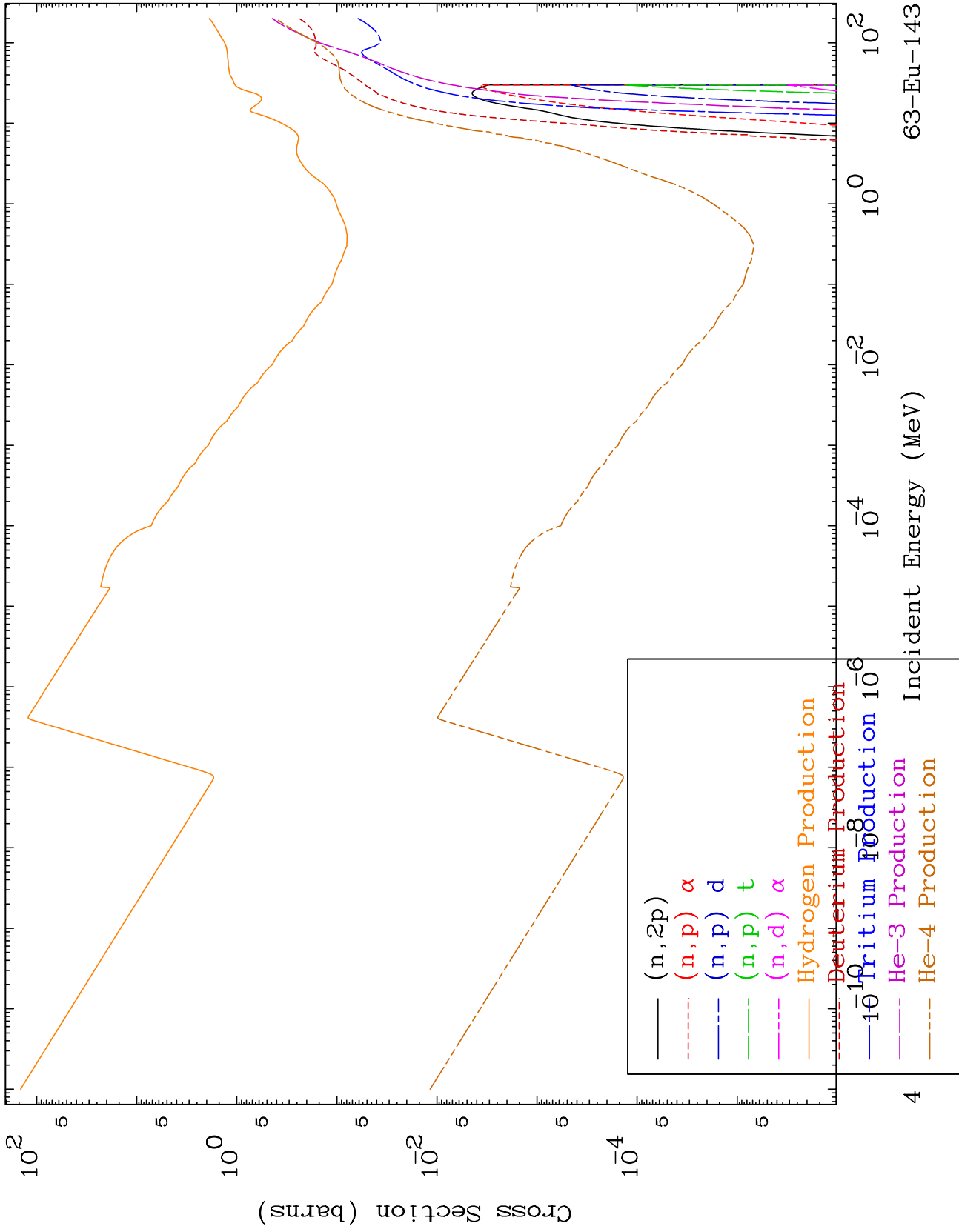




MAT 6301

Neutron Absorption
293 Kelvin Cross Sections

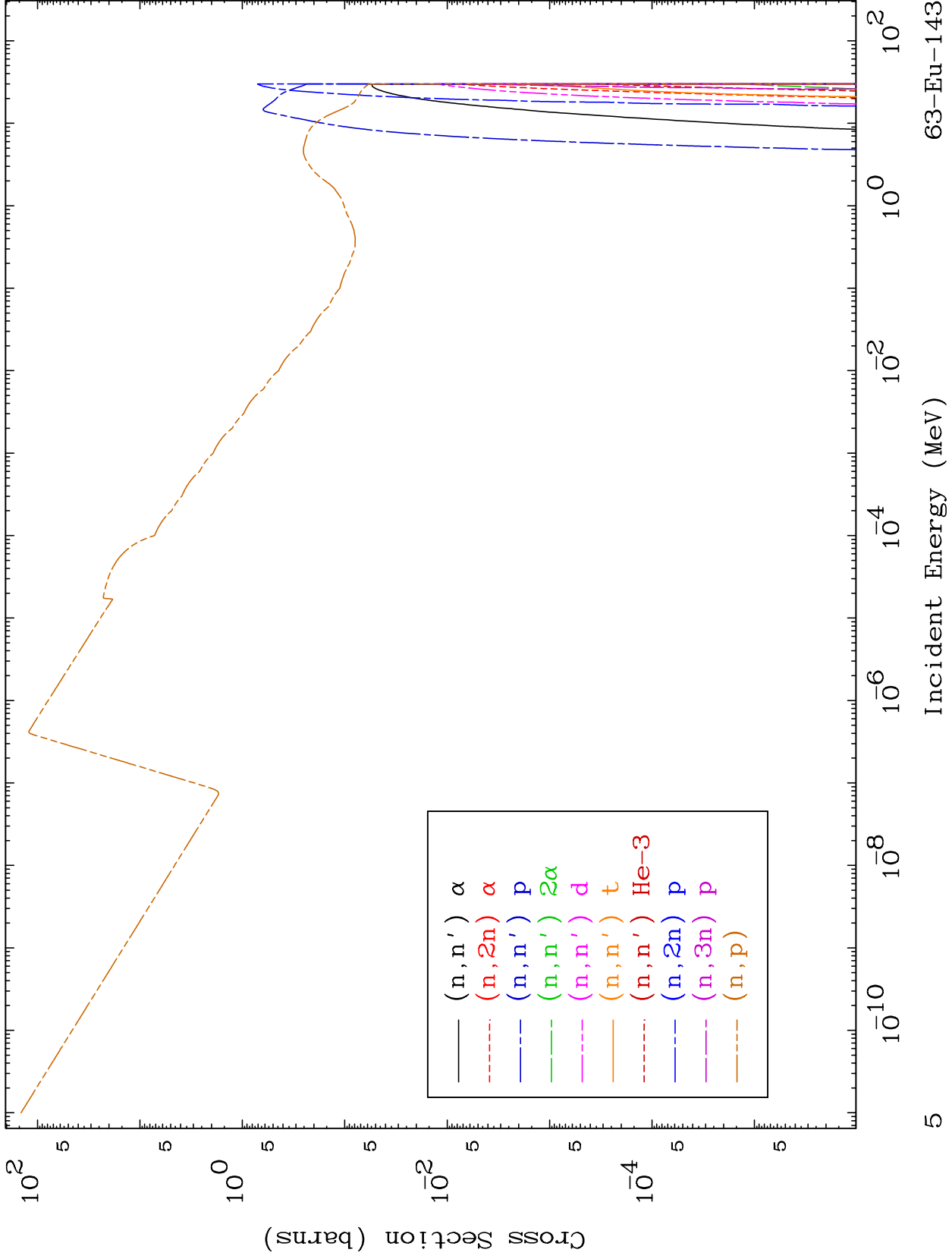
63-Eu-143



MAT 6301

Charged Particle
293 Kelvin Cross Sections

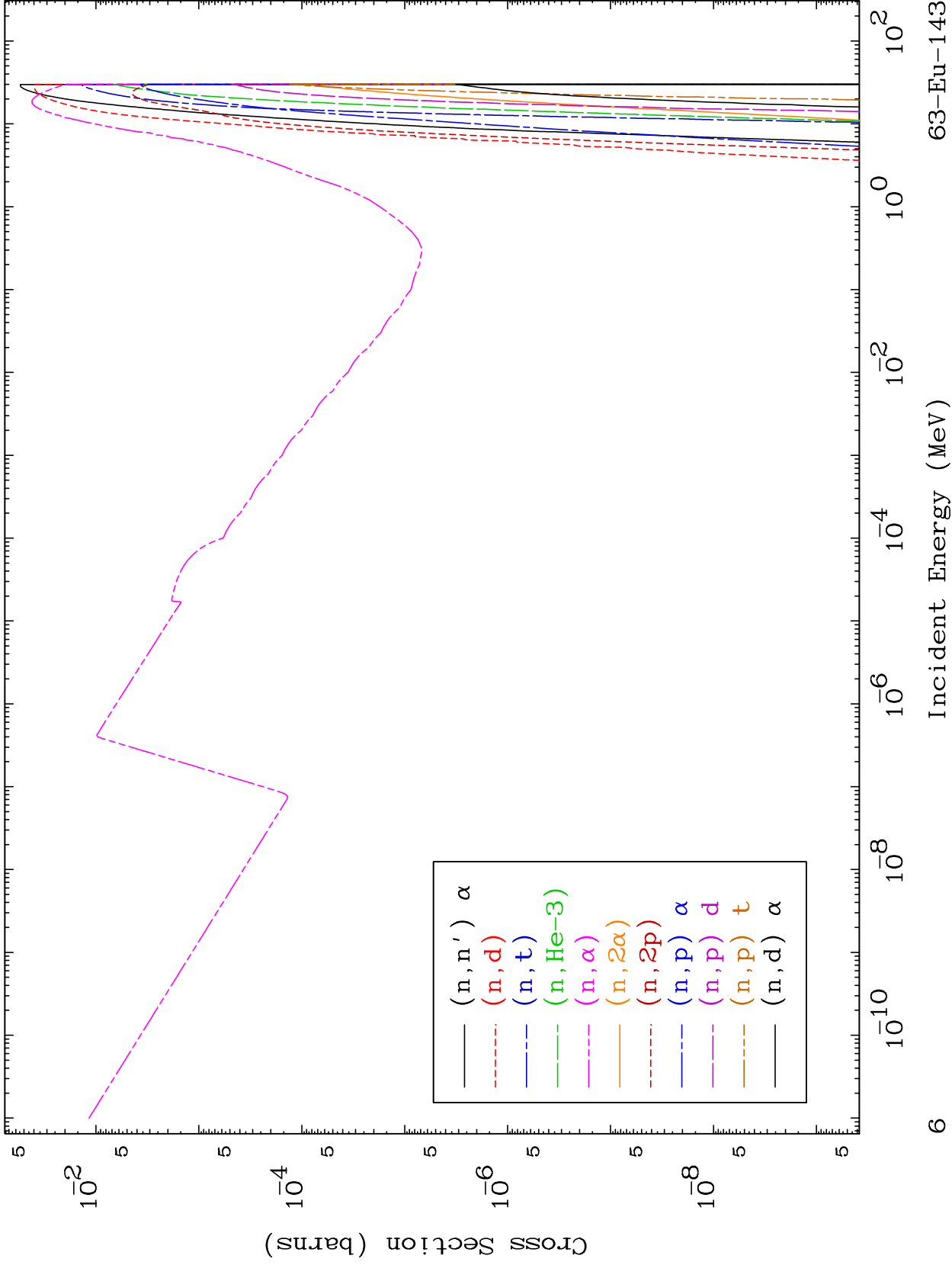
63-Eu-143



MAT 6301

Charged Particle
293 Kelvin Cross Sections

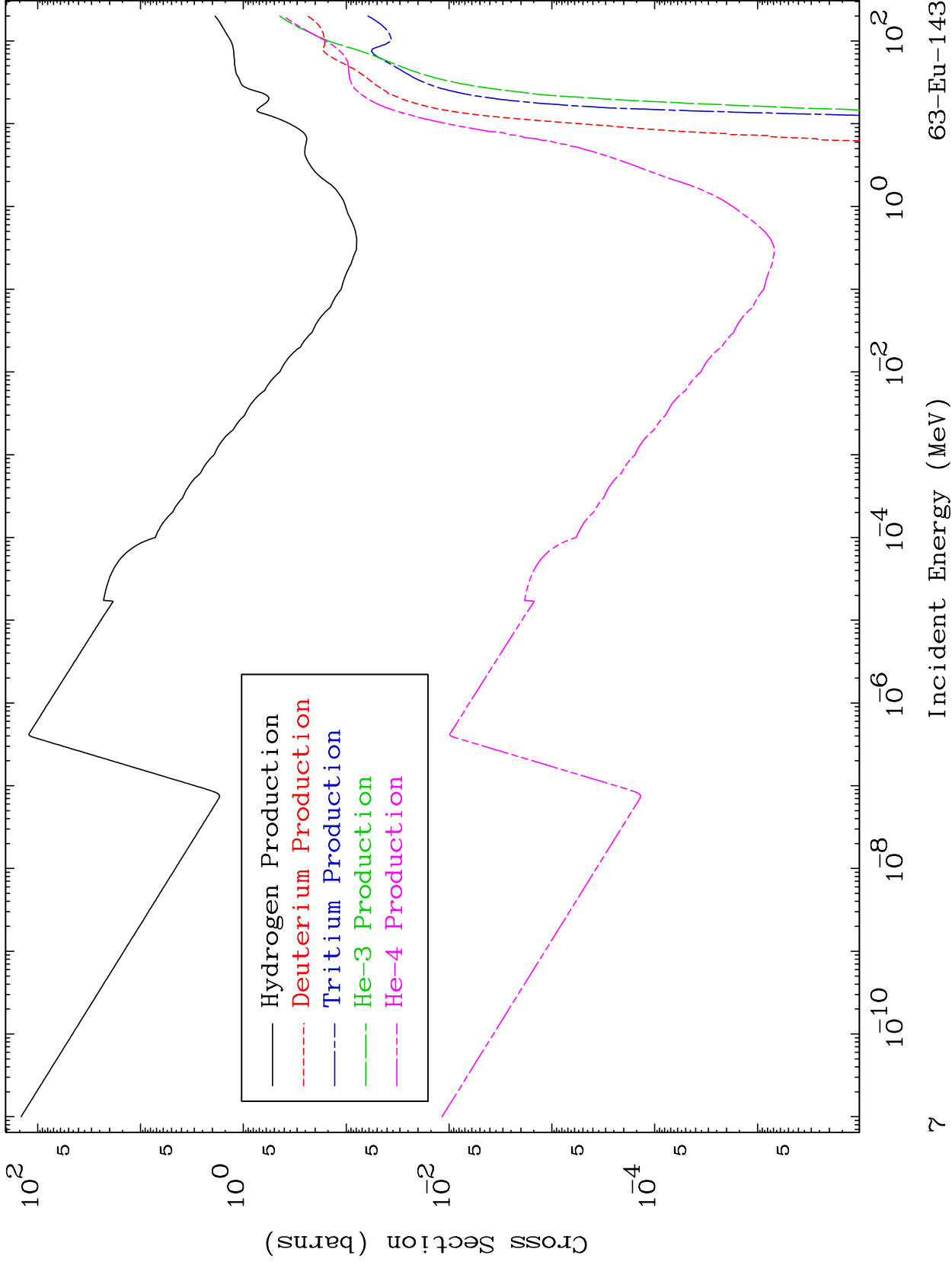
63-Eu-143

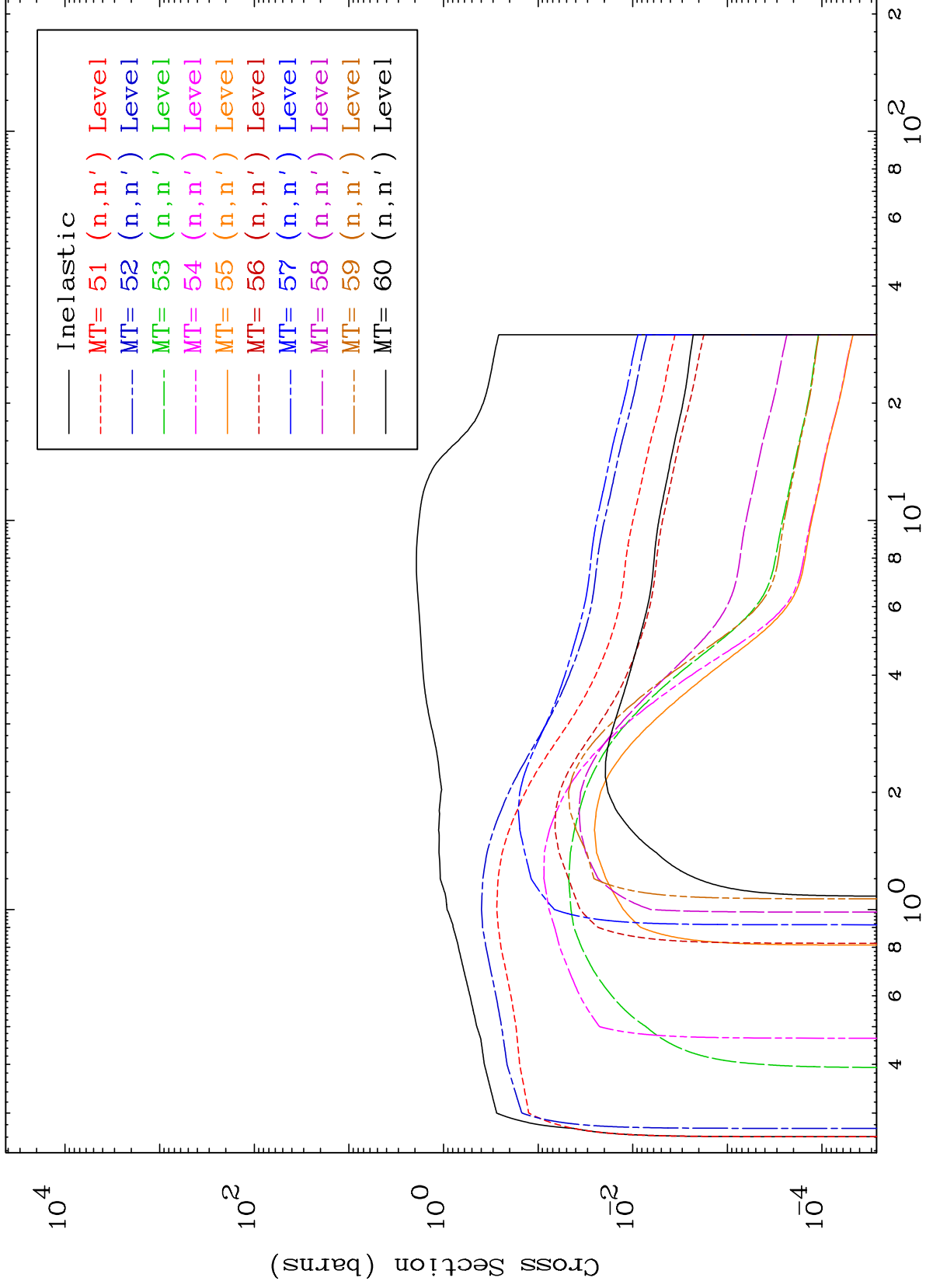


MAT 6301

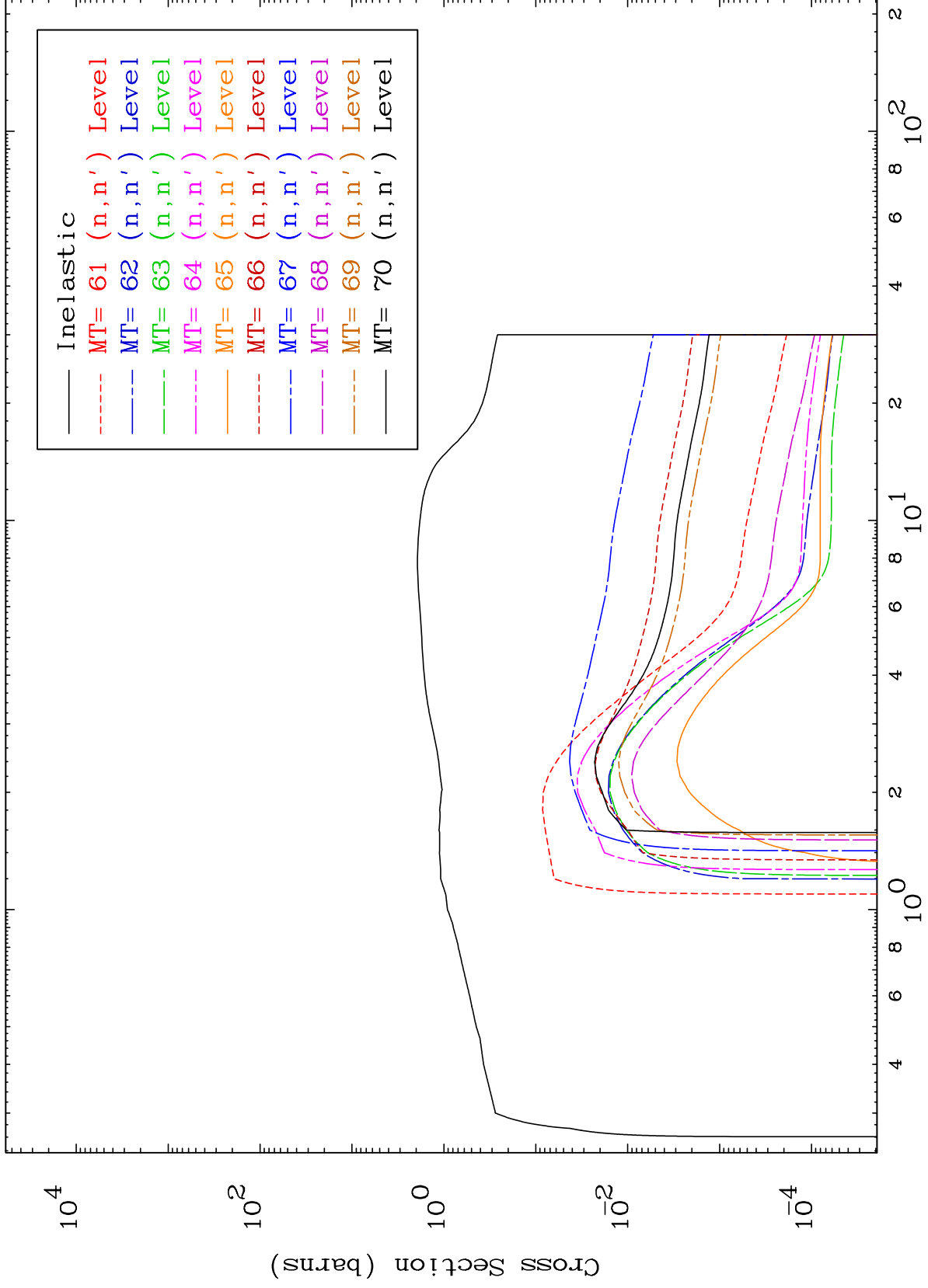
Particle Production
293 Kelvin Cross Sections

63-Eu-143





293 Kelvin Cross Sections



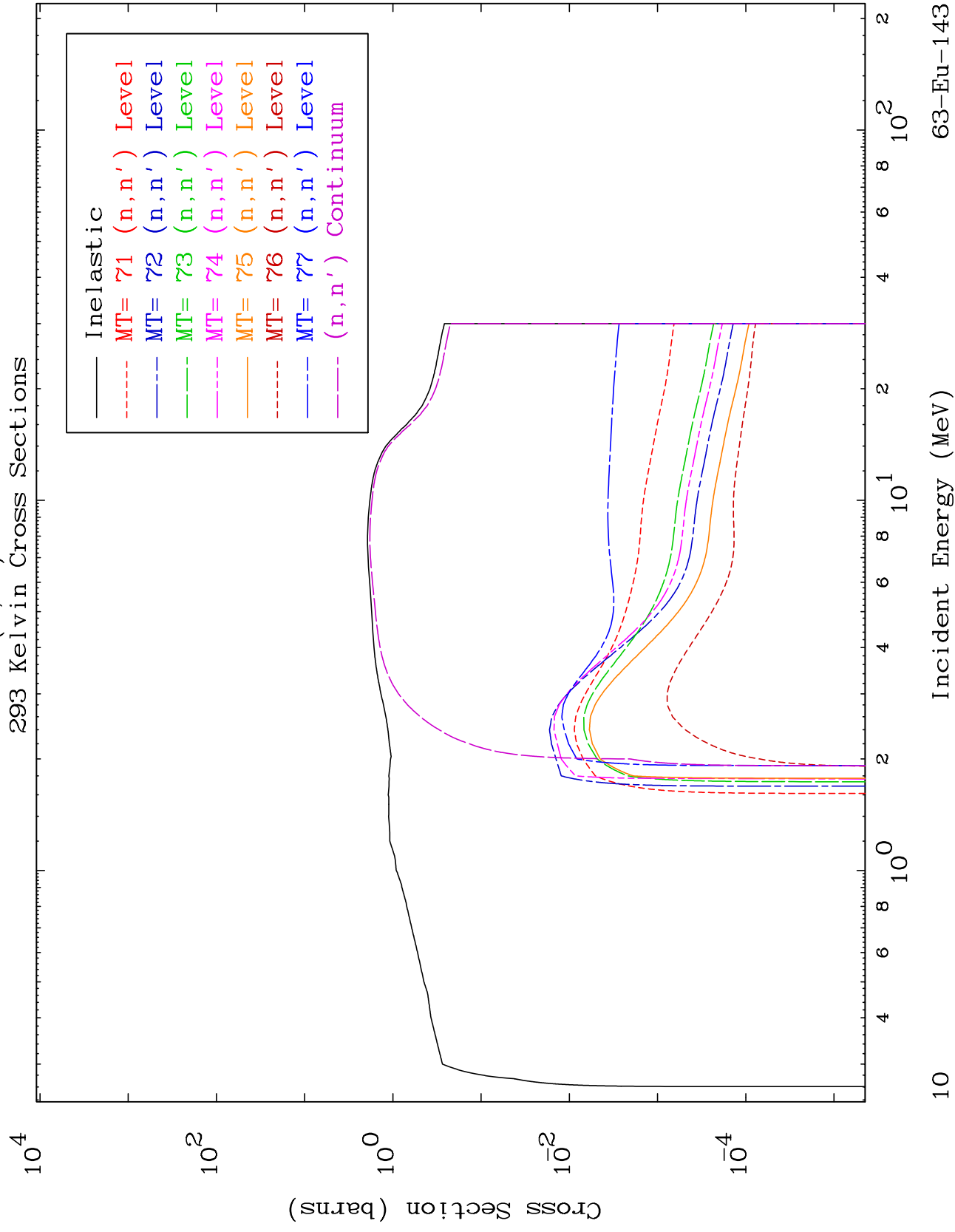
MAT 6301

(n,n') Levels

63-Eu-143

293 Kelvin Cross Sections

63-Eu-143



10

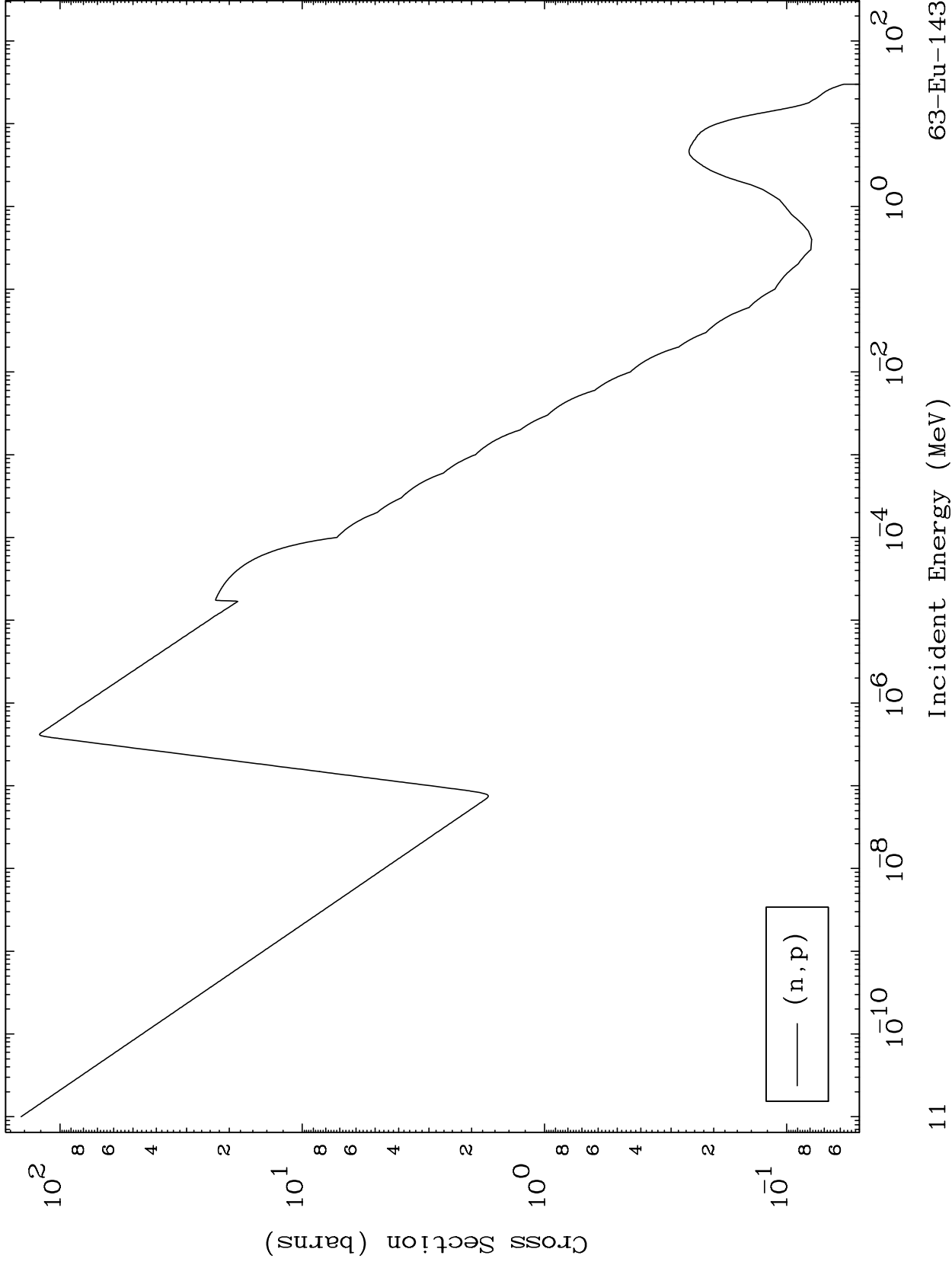
Incident Energy (MeV)

63-Eu-143

MAT 6301

(n,p) Levels
293 Kelvin Cross Sections

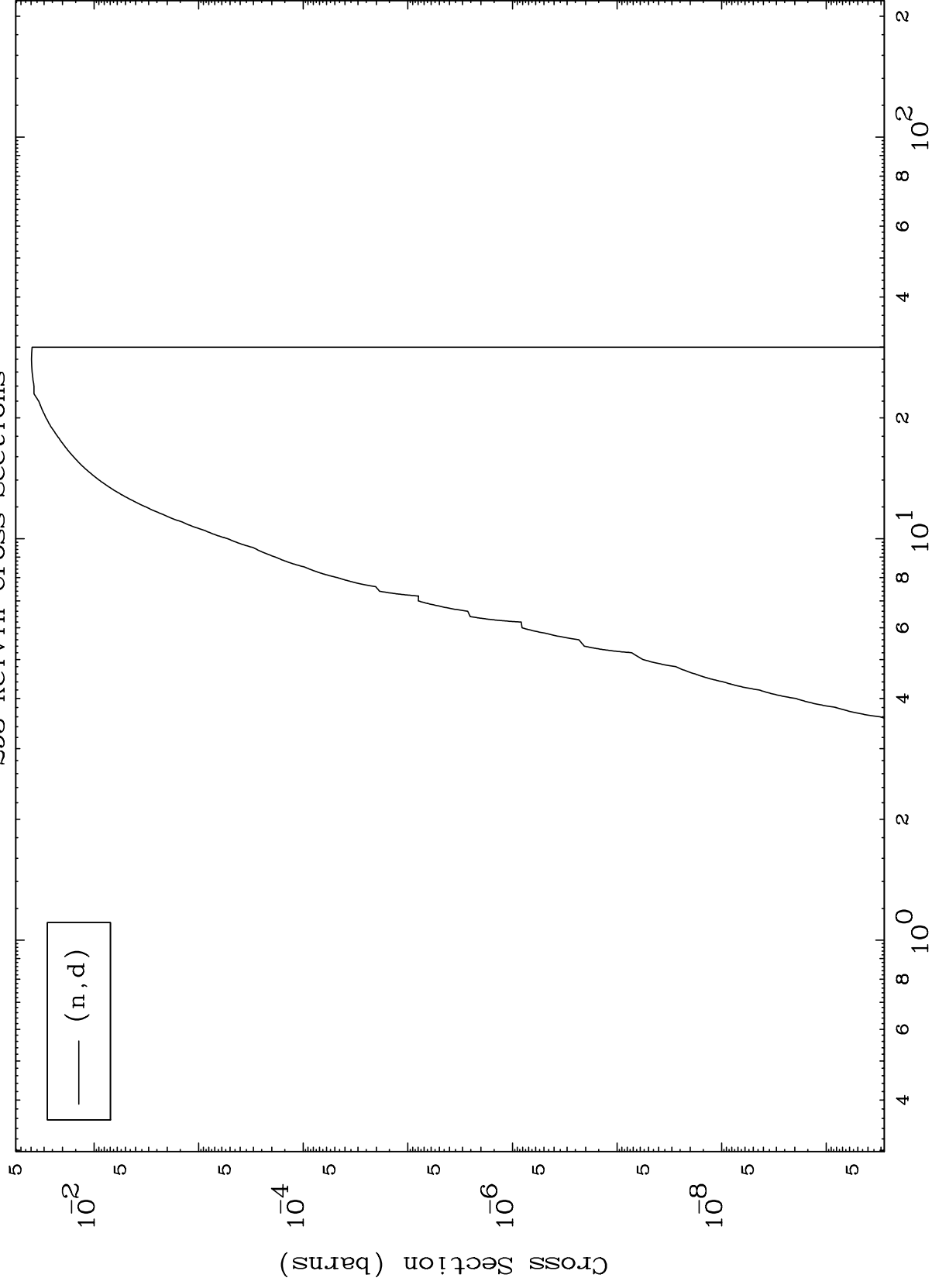
63-Eu-143



MAT 6301

(n,d) Levels
293 Kelvin Cross Sections

63-Eu-143



12

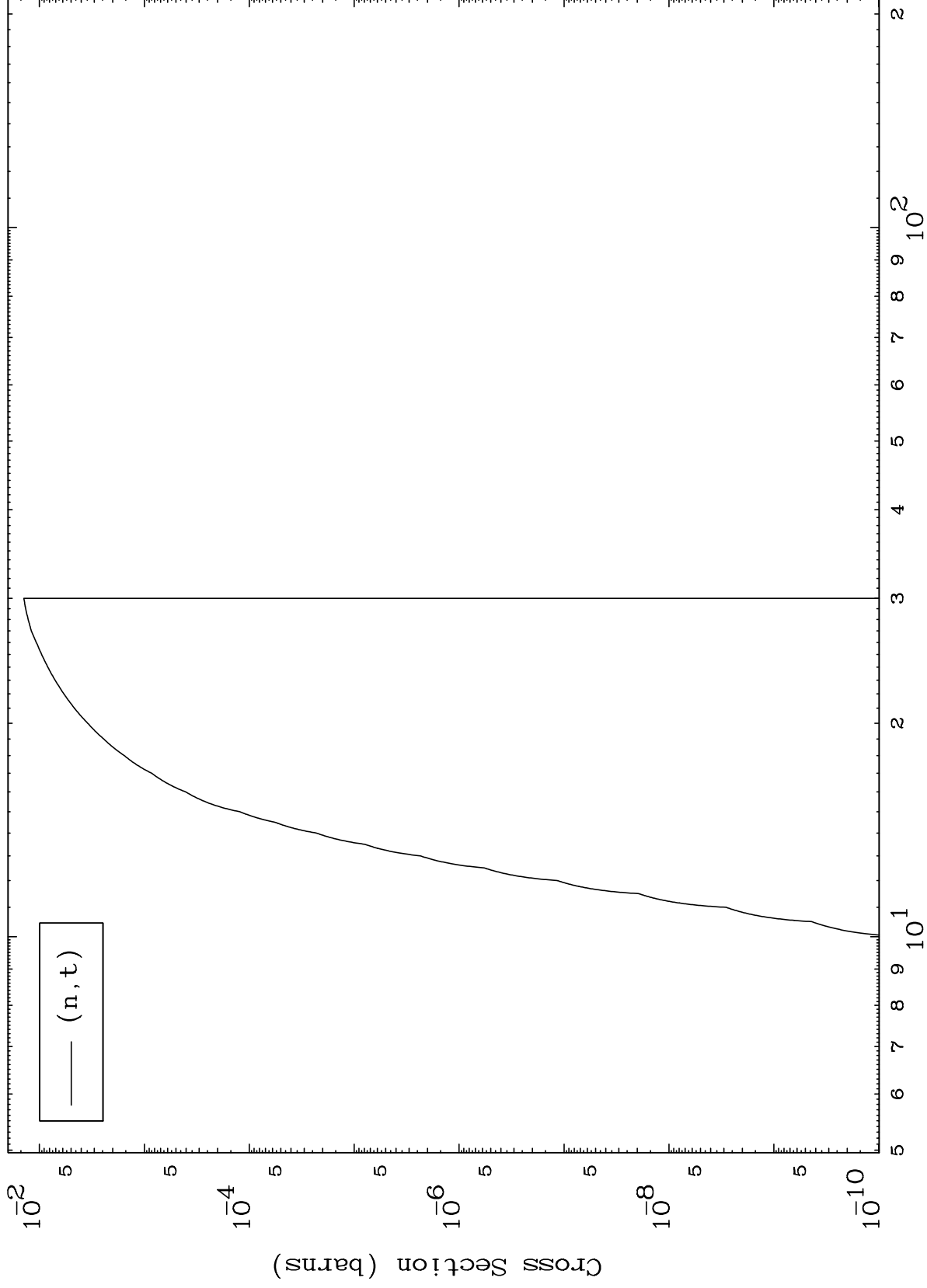
Incident Energy (MeV)

63-Eu-143

MAT 6301

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-143



13

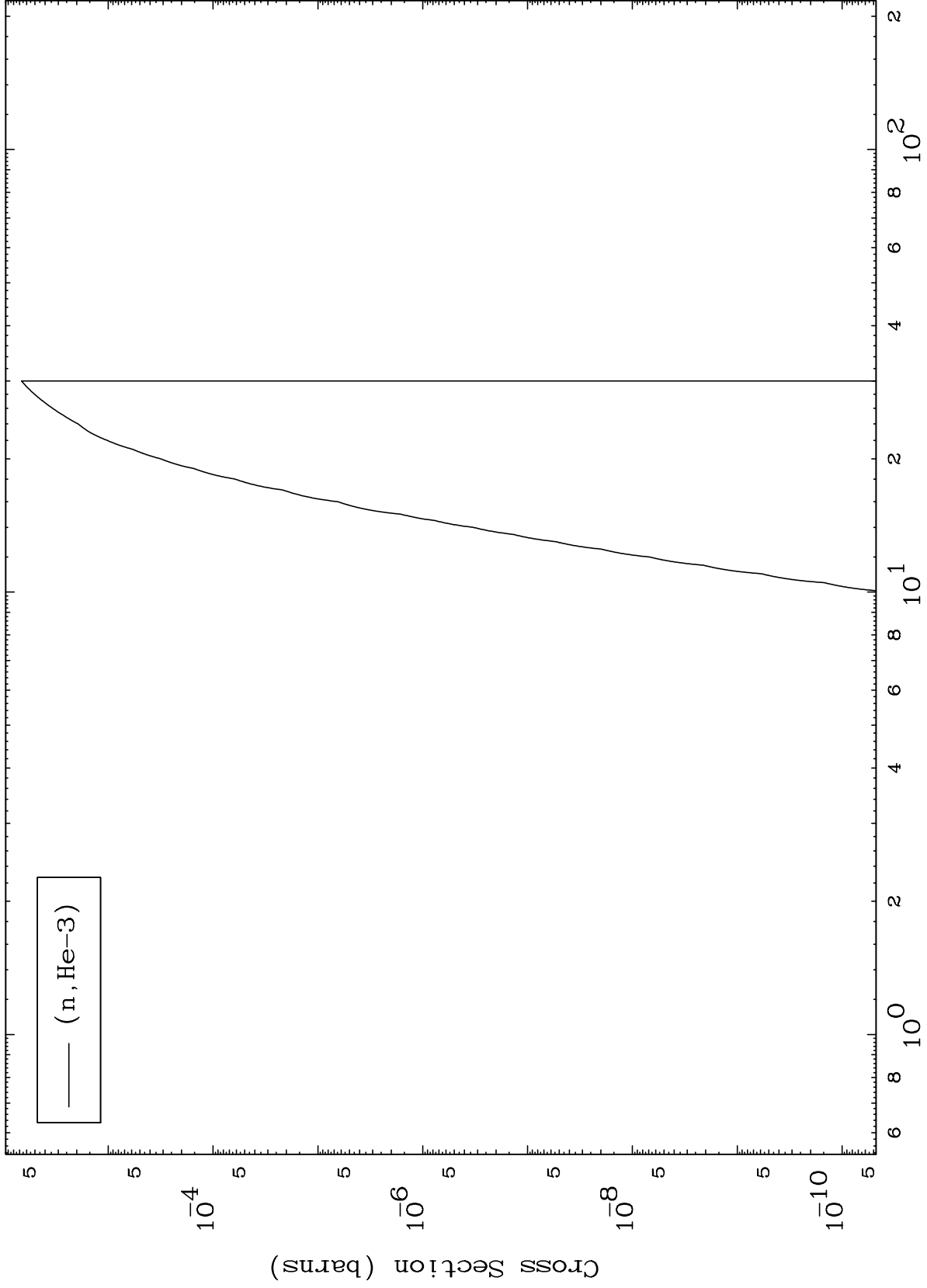
Incident Energy (MeV)

63-Eu-143

MAT 6301

(n,He3) Levels
293 Kelvin Cross Sections

63-Eu-143



14

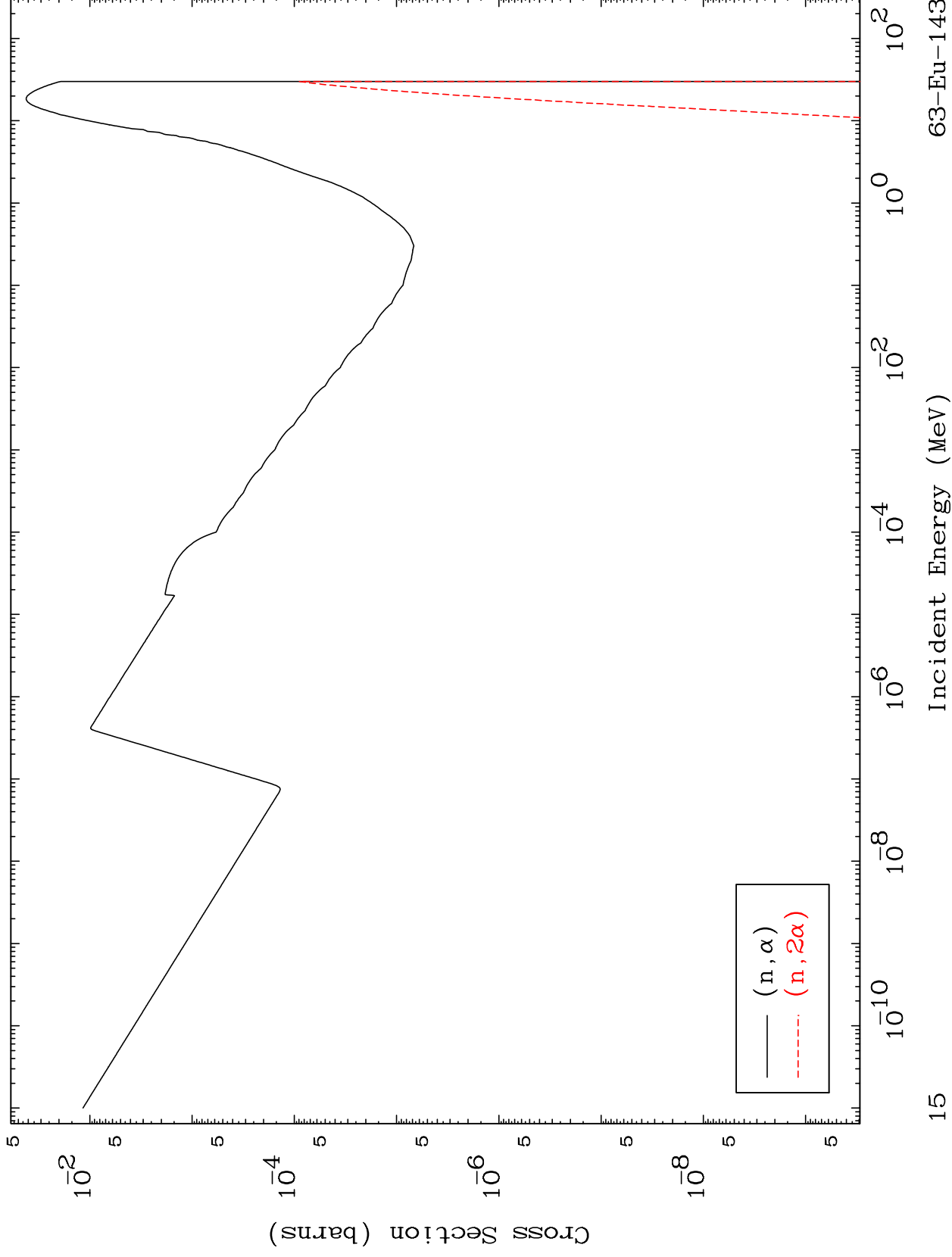
Incident Energy (MeV)

63-Eu-143

MAT 6301

(n, α) Levels
293 Kelvin Cross Sections

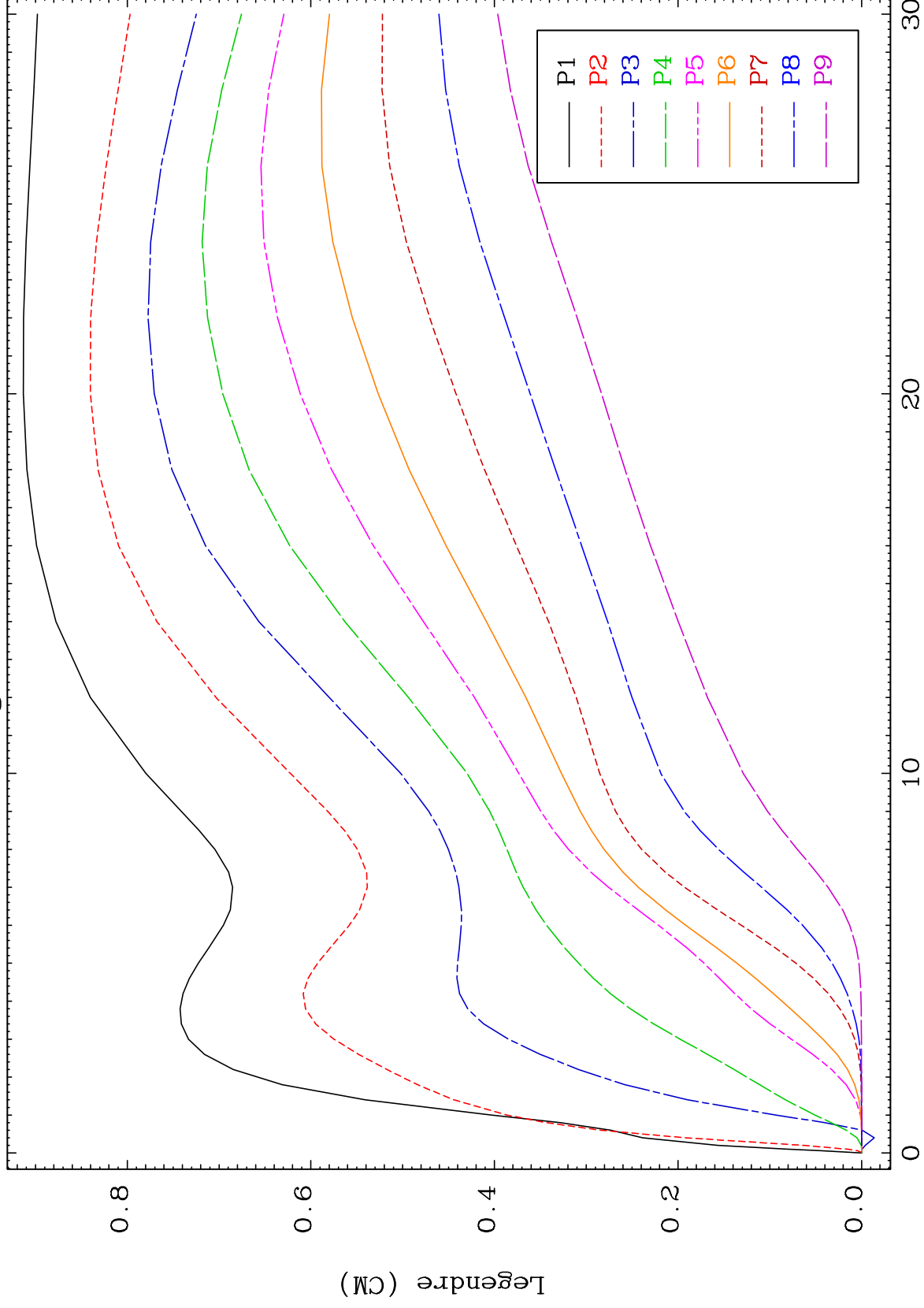
63-Eu-143



MAT 6301

Elastic Legendre Coefficients

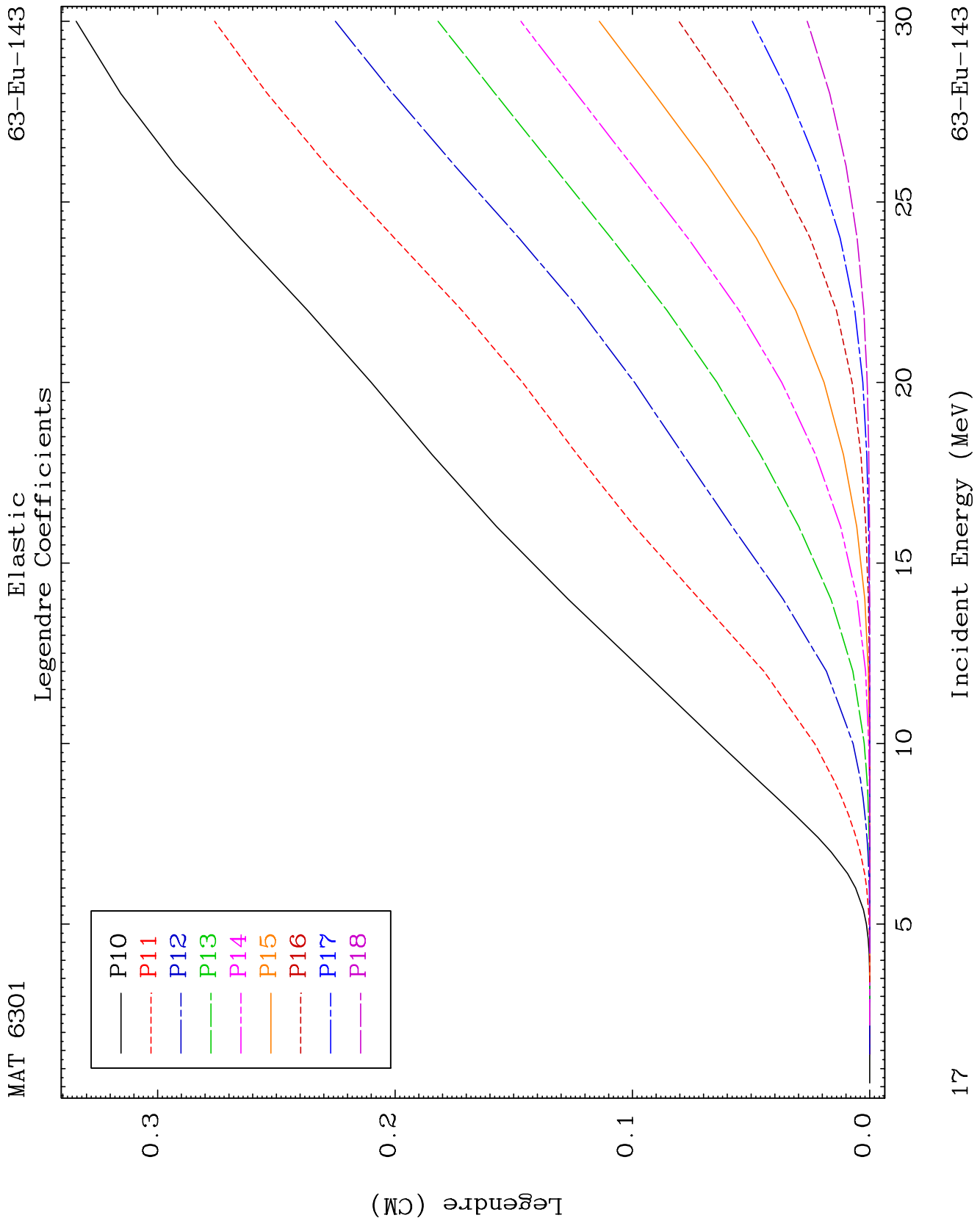
63-Eu-143



16

Incident Energy (MeV)

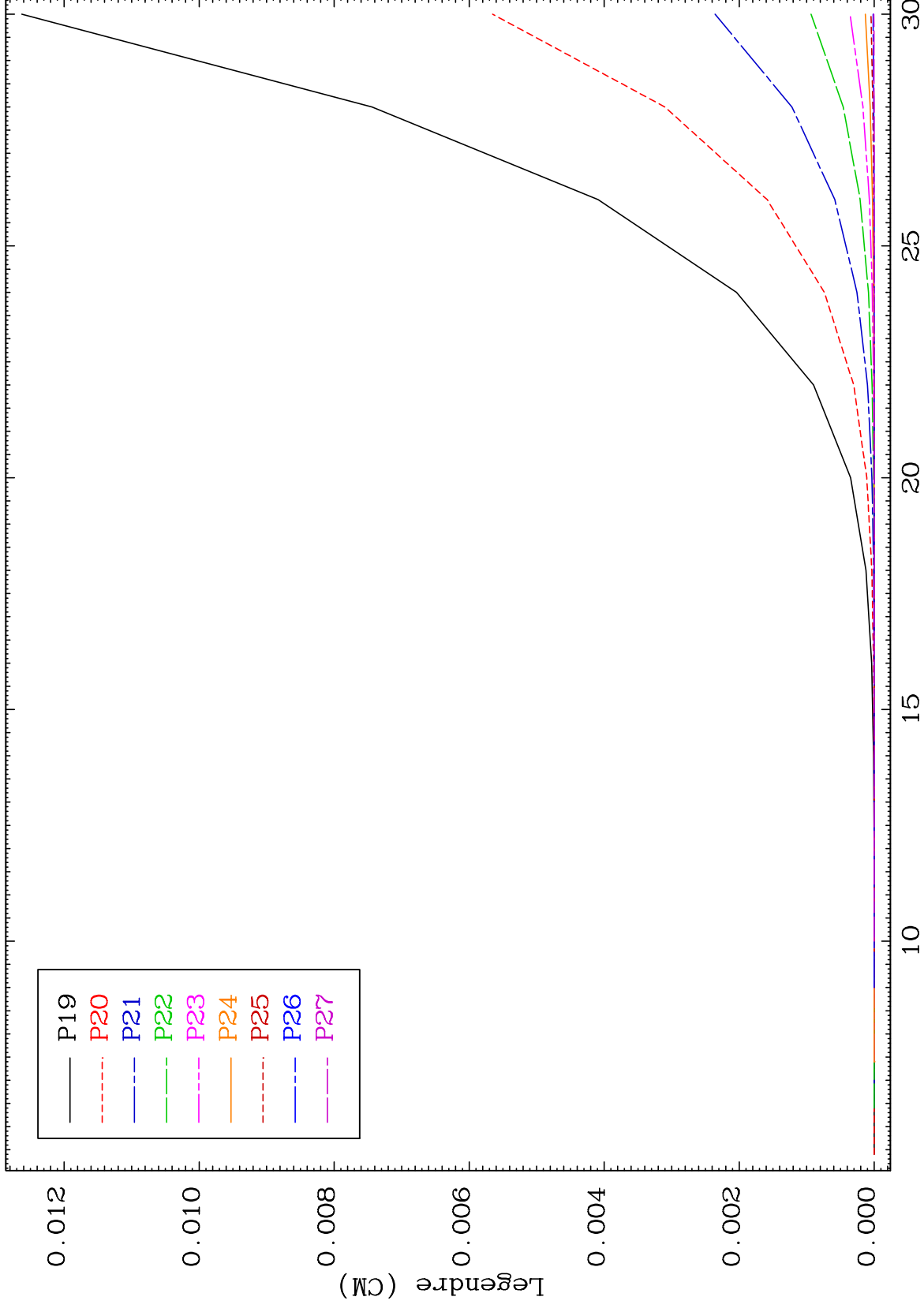
63-Eu-143



MAT 6301

Elastic Legendre Coefficients

63-Eu-143



18

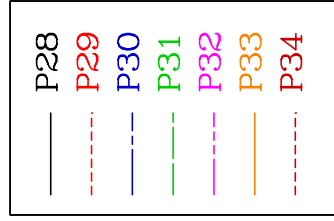
Incident Energy (MeV)

63-Eu-143

MAT 6301

Elastic
Legendre Coefficients

63-Eu-143



$\times 10^{-6}$

Legendre (CM)

1.0

0.5

0.0

15

20

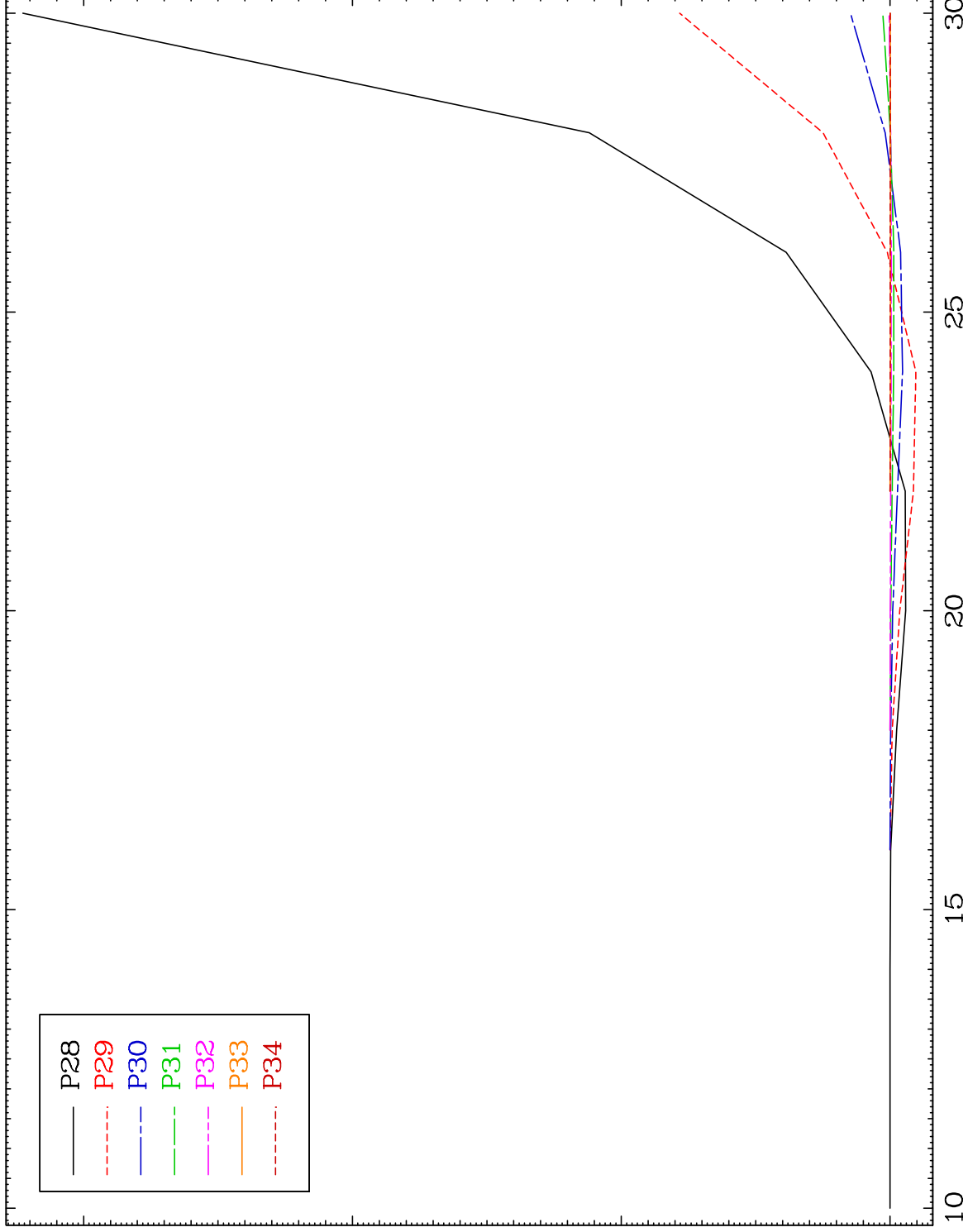
25

30

19

Incident Energy (MeV)

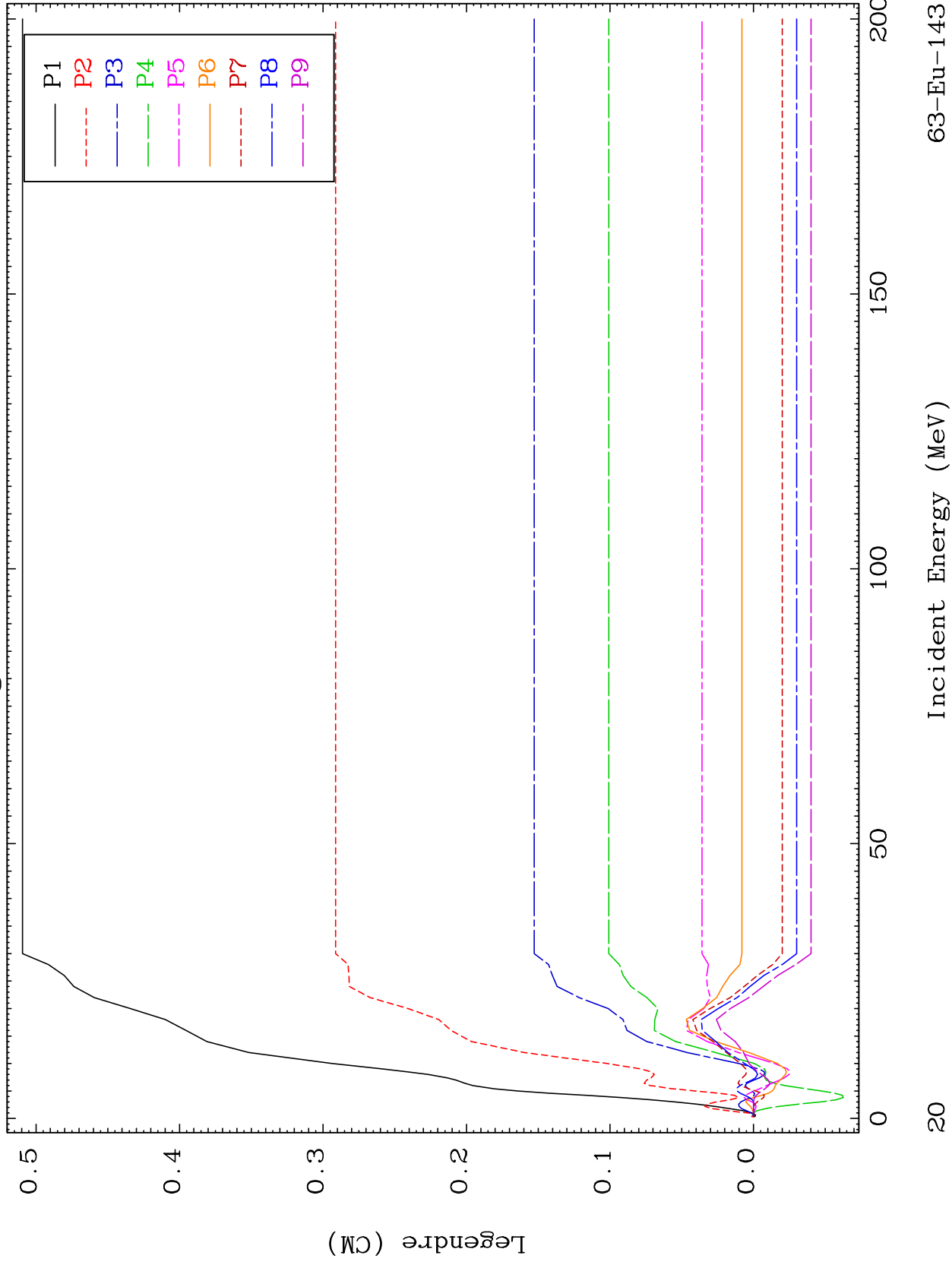
63-Eu-143



MAT 6301

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

63-Eu-143



63-Eu-143

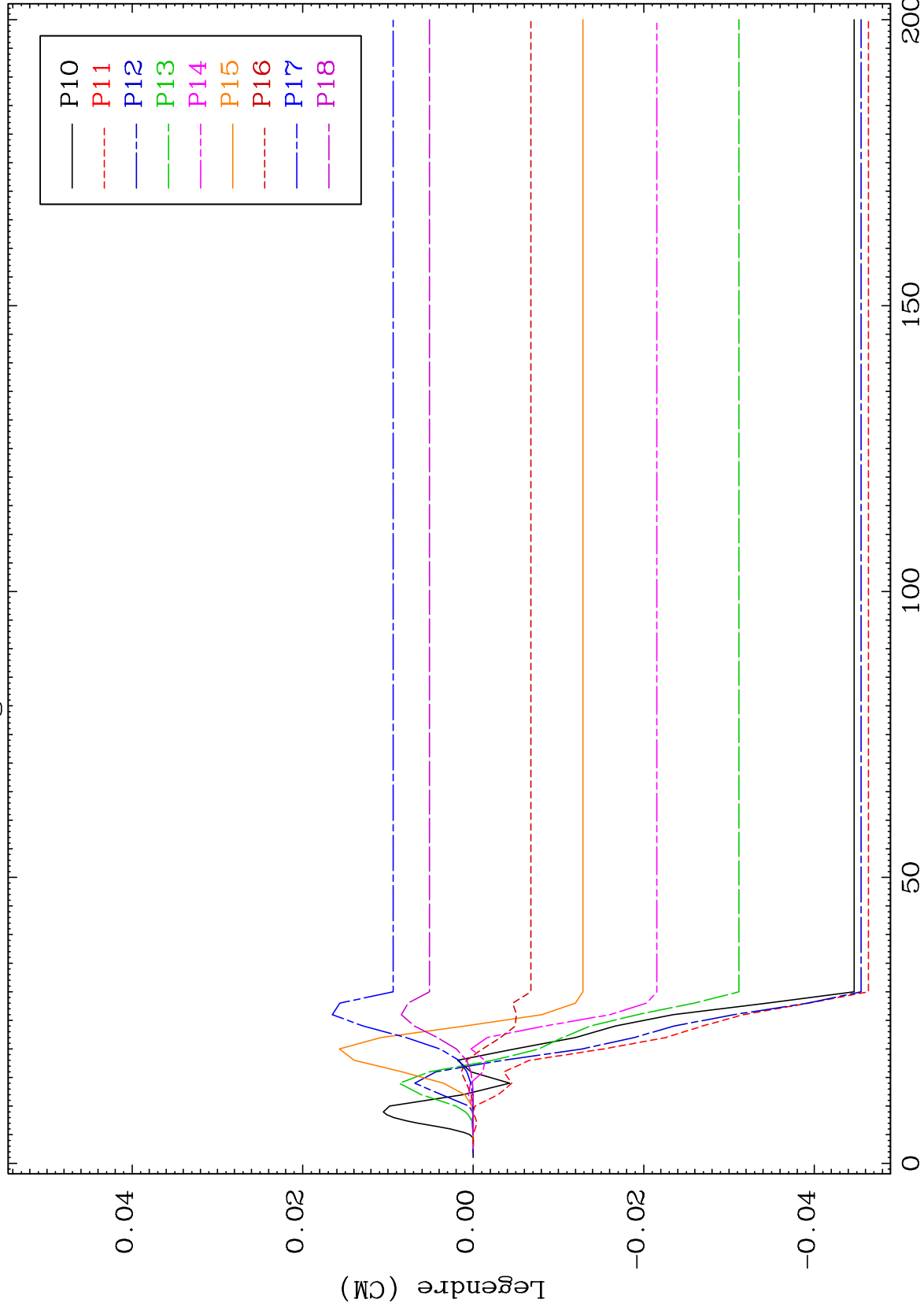
Incident Energy (MeV)

0

MAT 6301

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

63-Eu-143



21

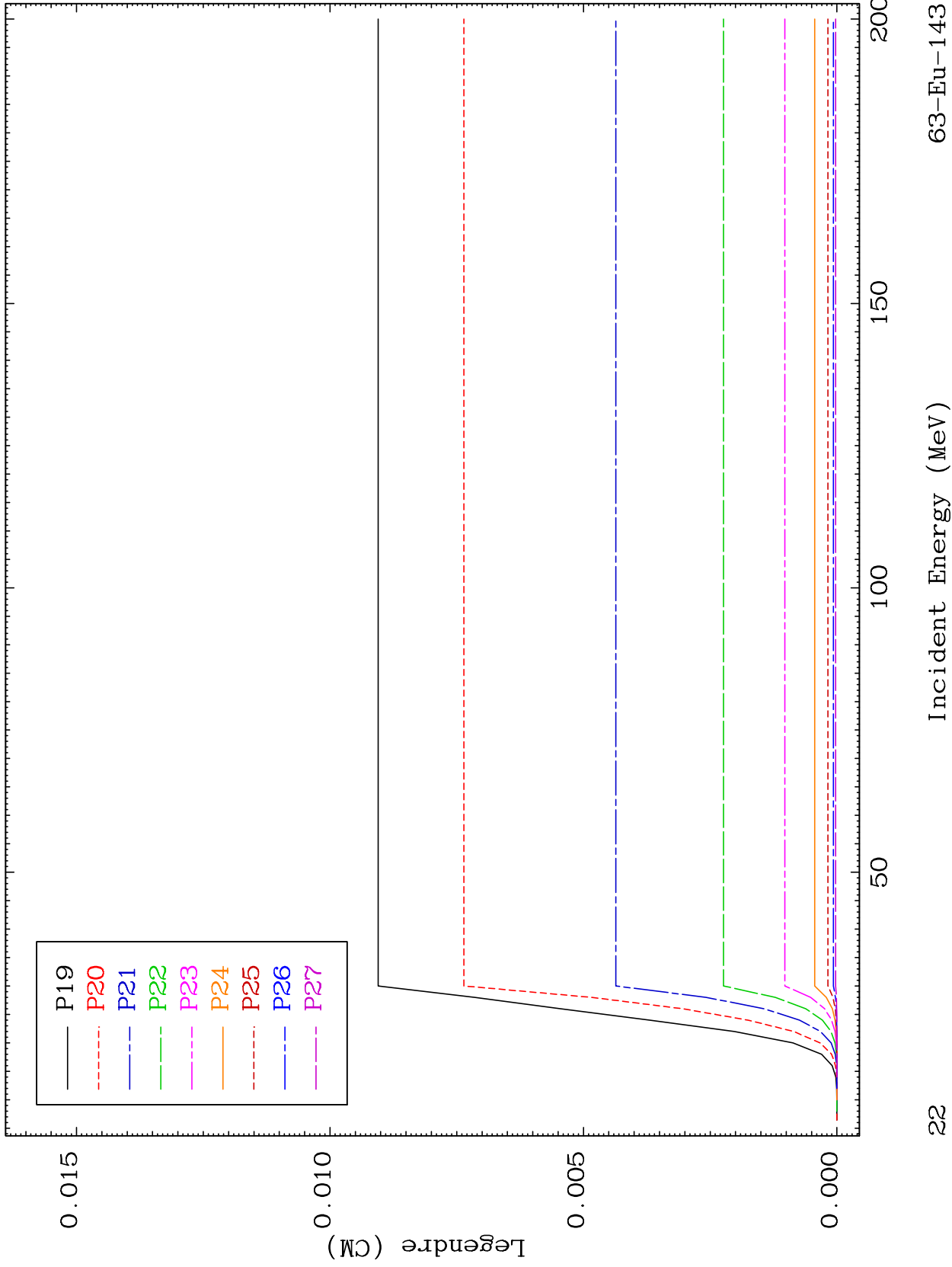
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

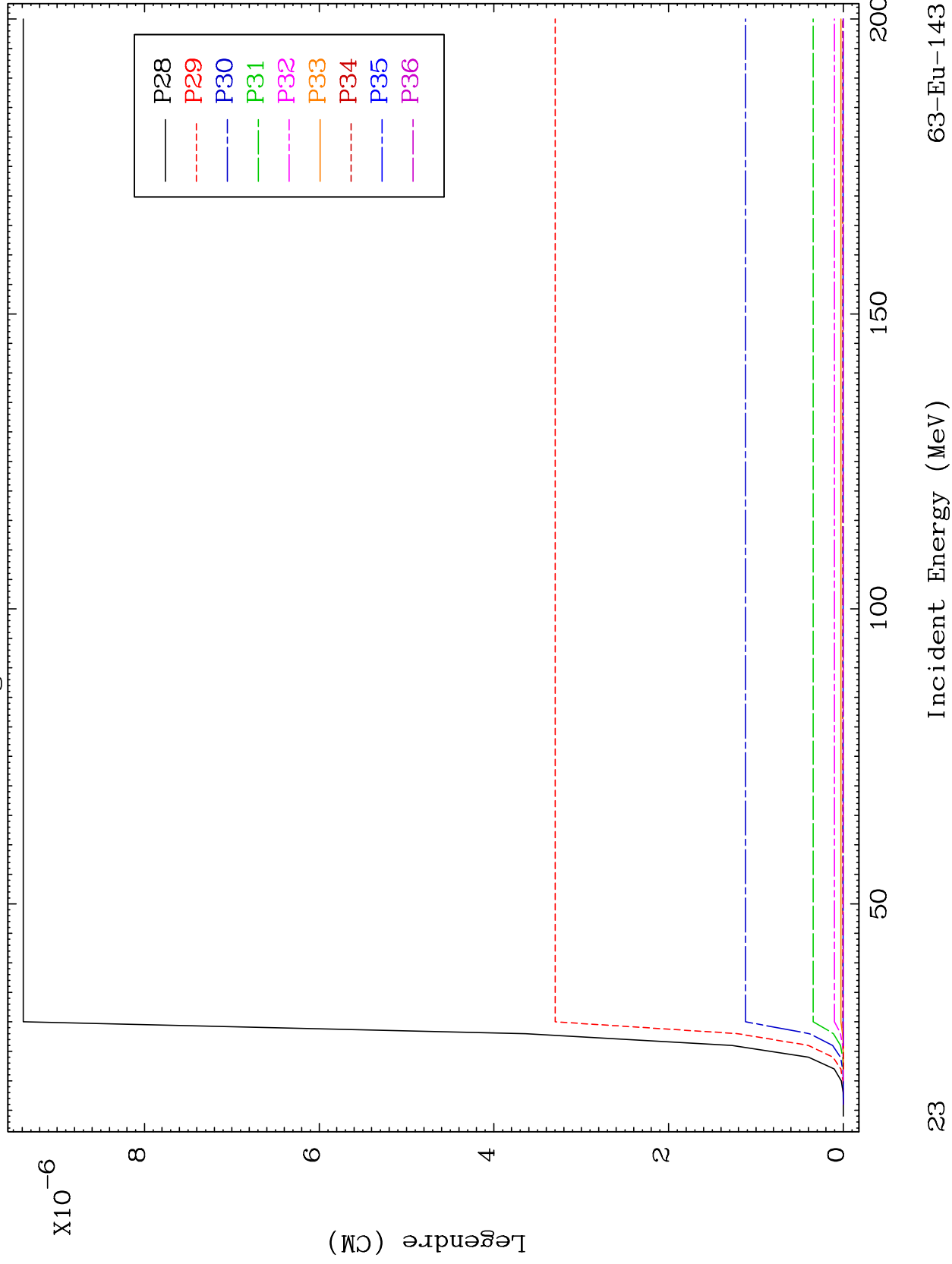
63-Eu-143



MAT 6301

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

63-Eu-143



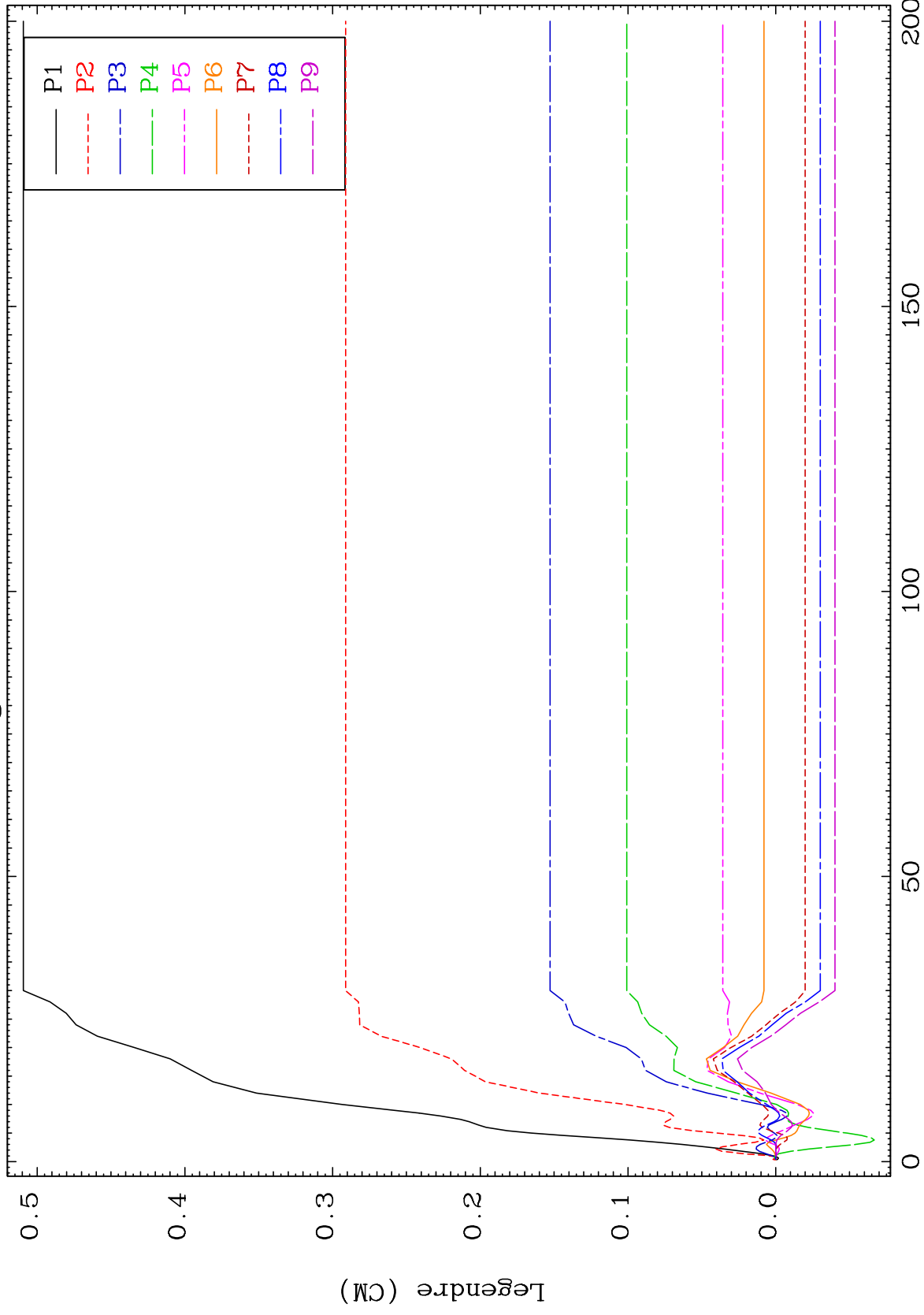
23

63-Eu-143

MAT 6301

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

63-Eu-143



24

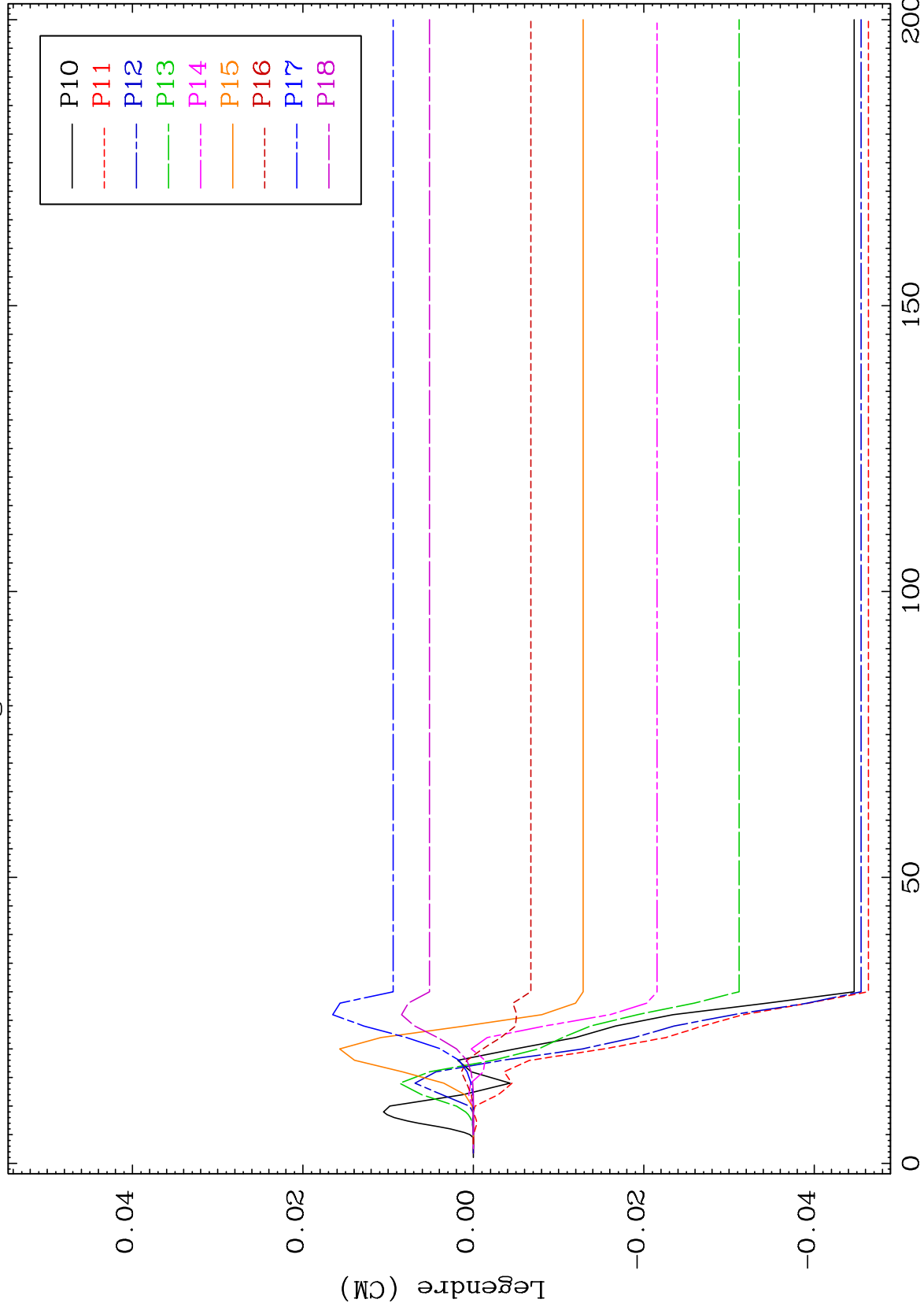
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

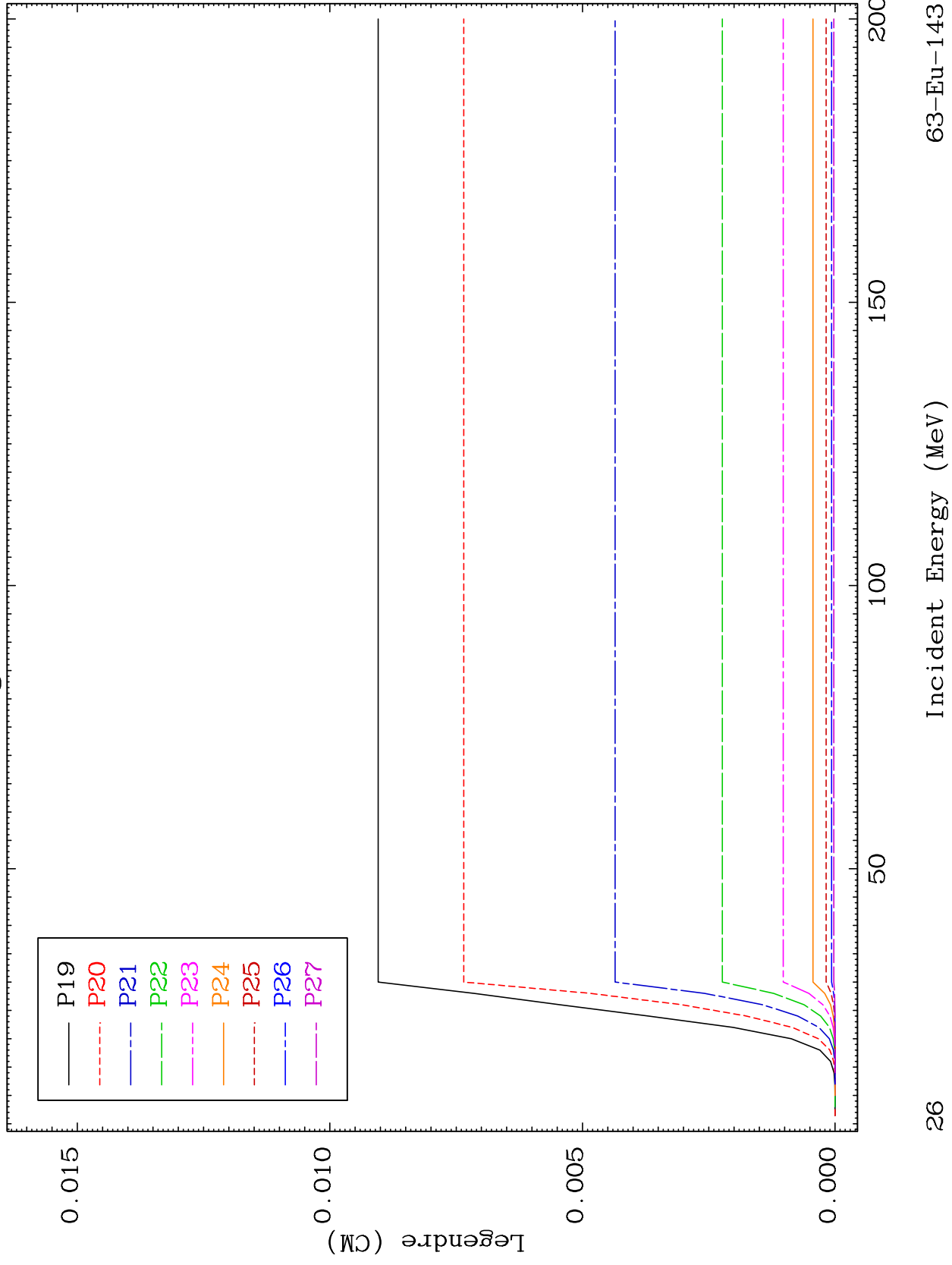
63-Eu-143



63-Eu-143

Incident Energy (MeV)

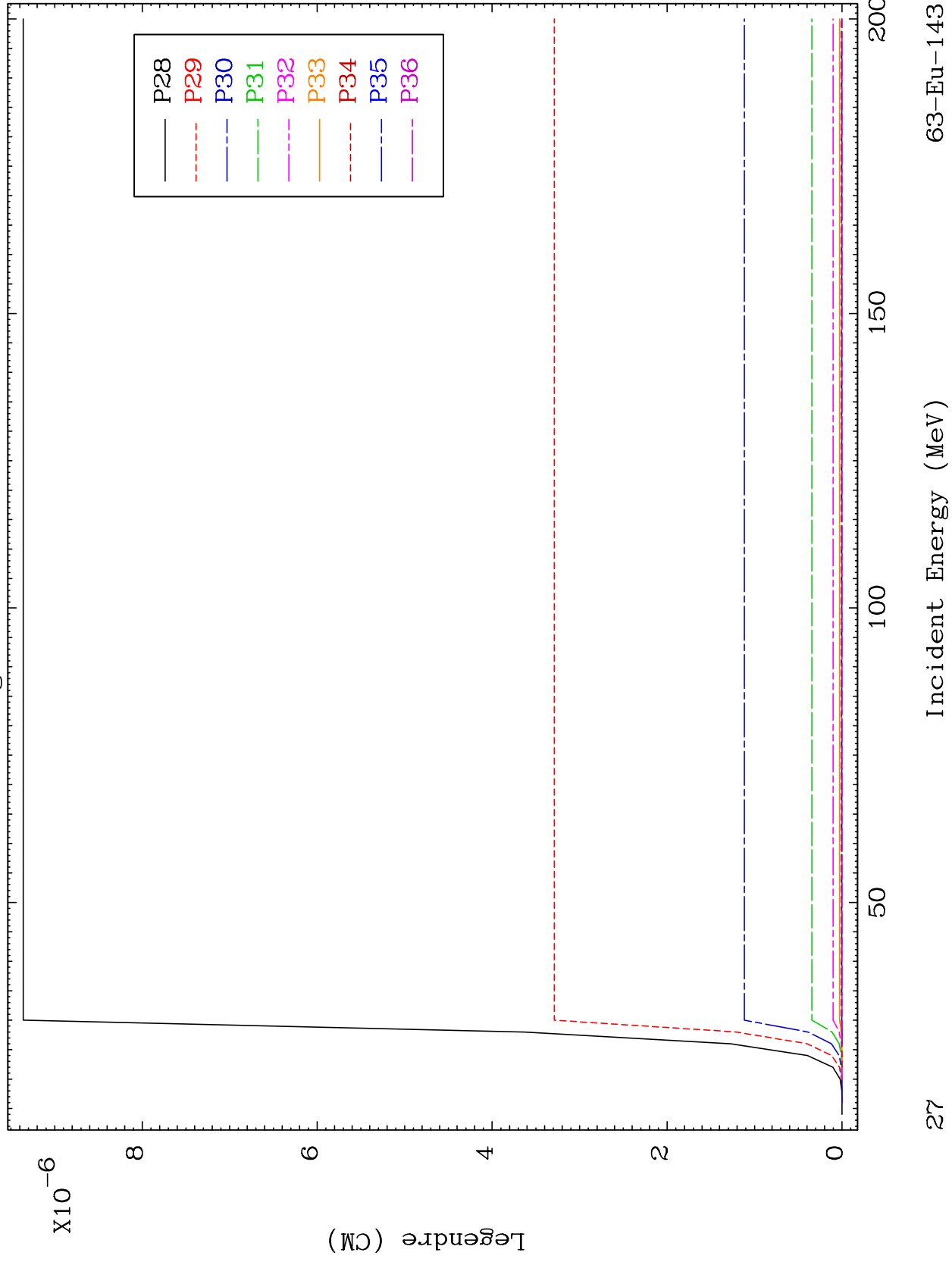
25



MAT 6301

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

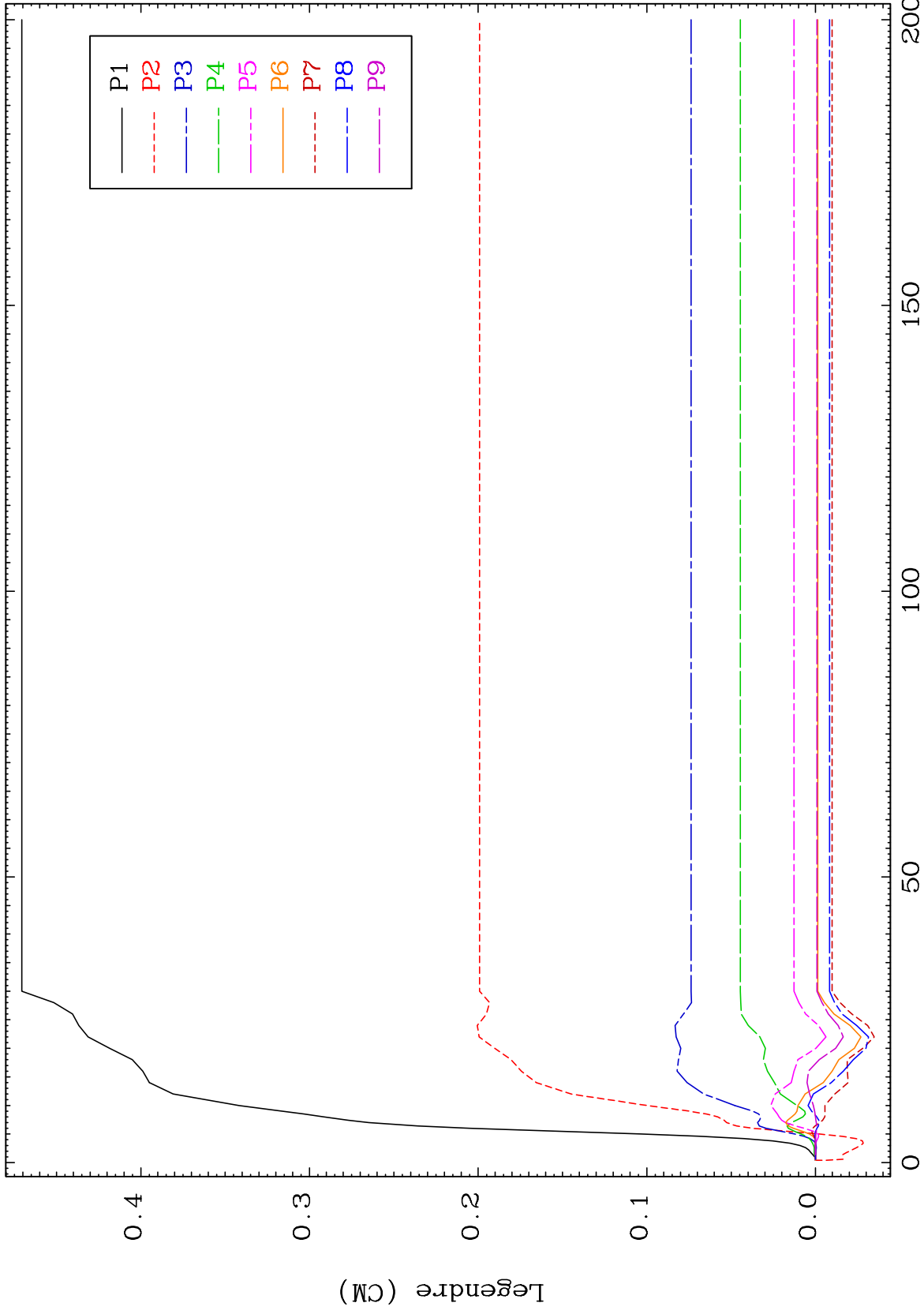
63-Eu-143



MAT 6301

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

63-Eu-143



28

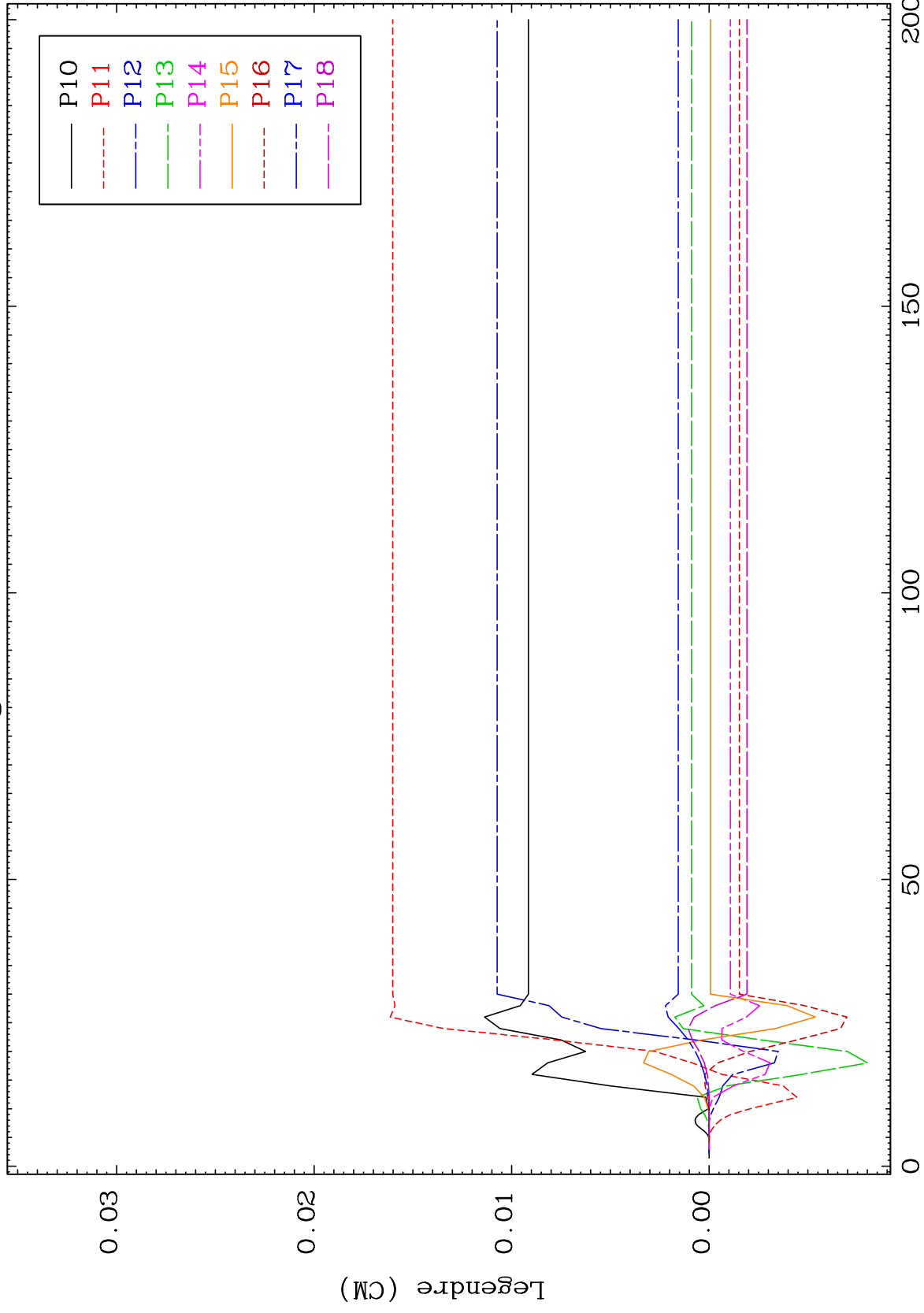
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



29

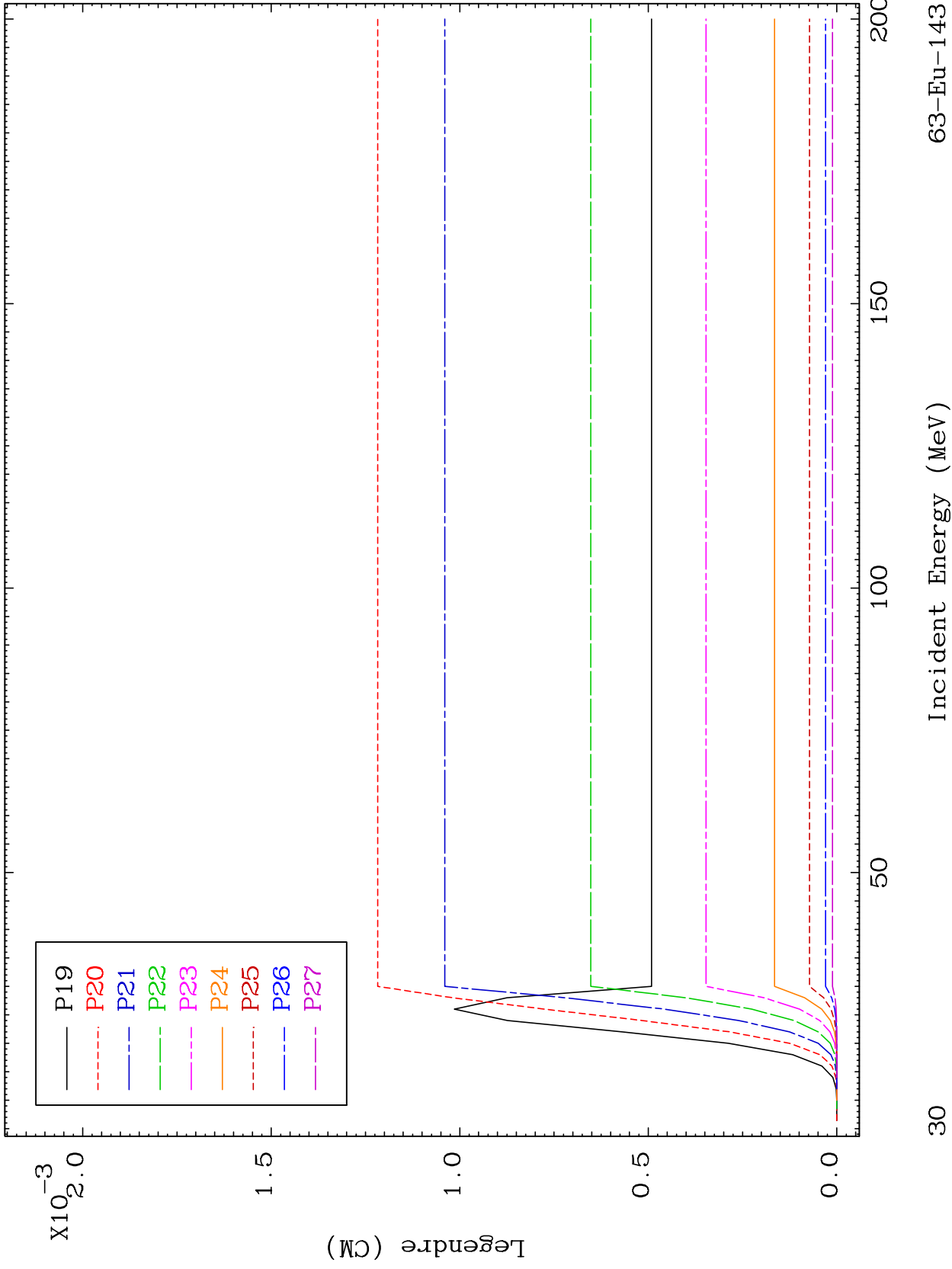
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



30

50

100

150

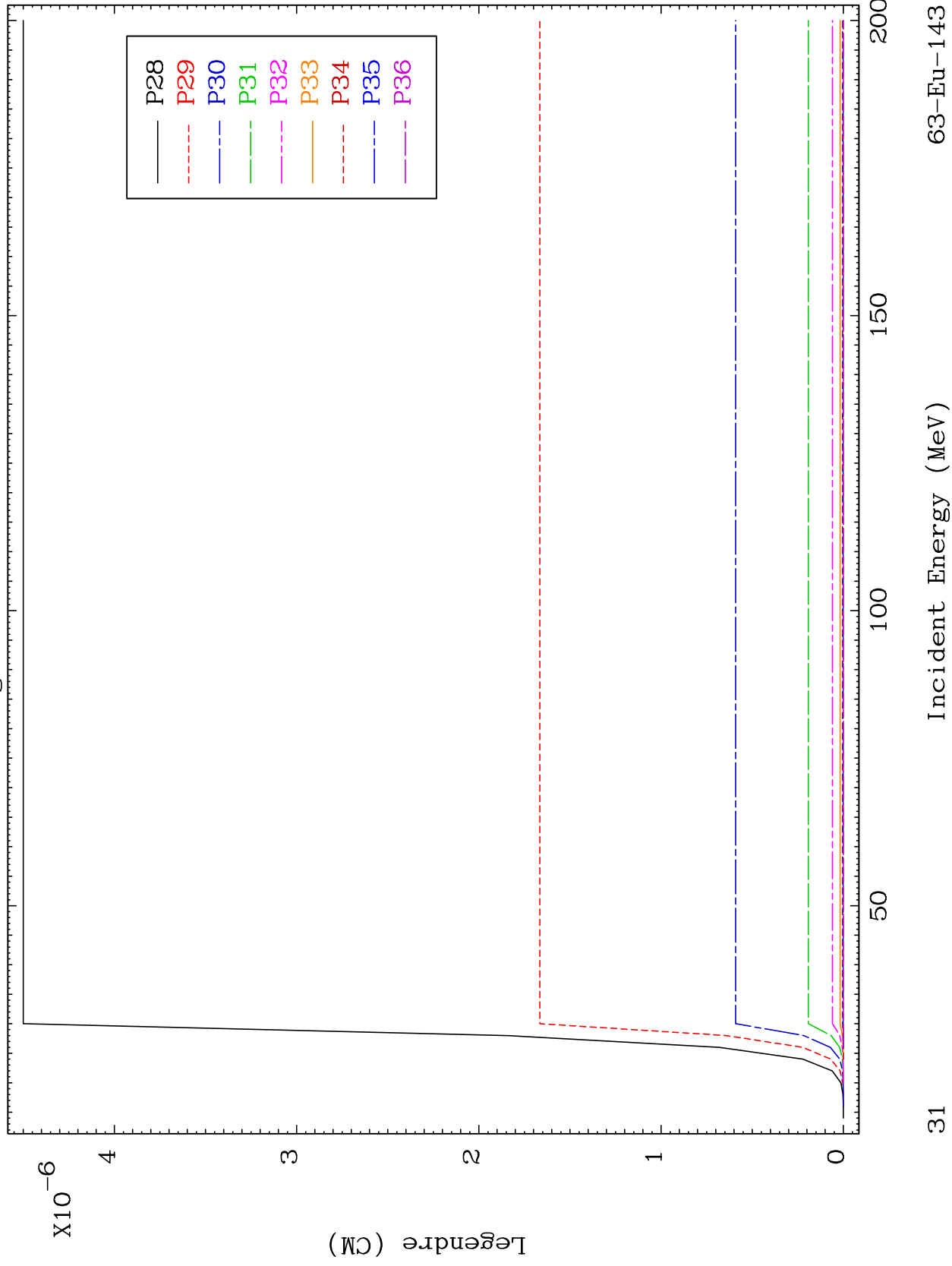
200

63-Eu-143

MAT 6301

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

63-Eu-143



31

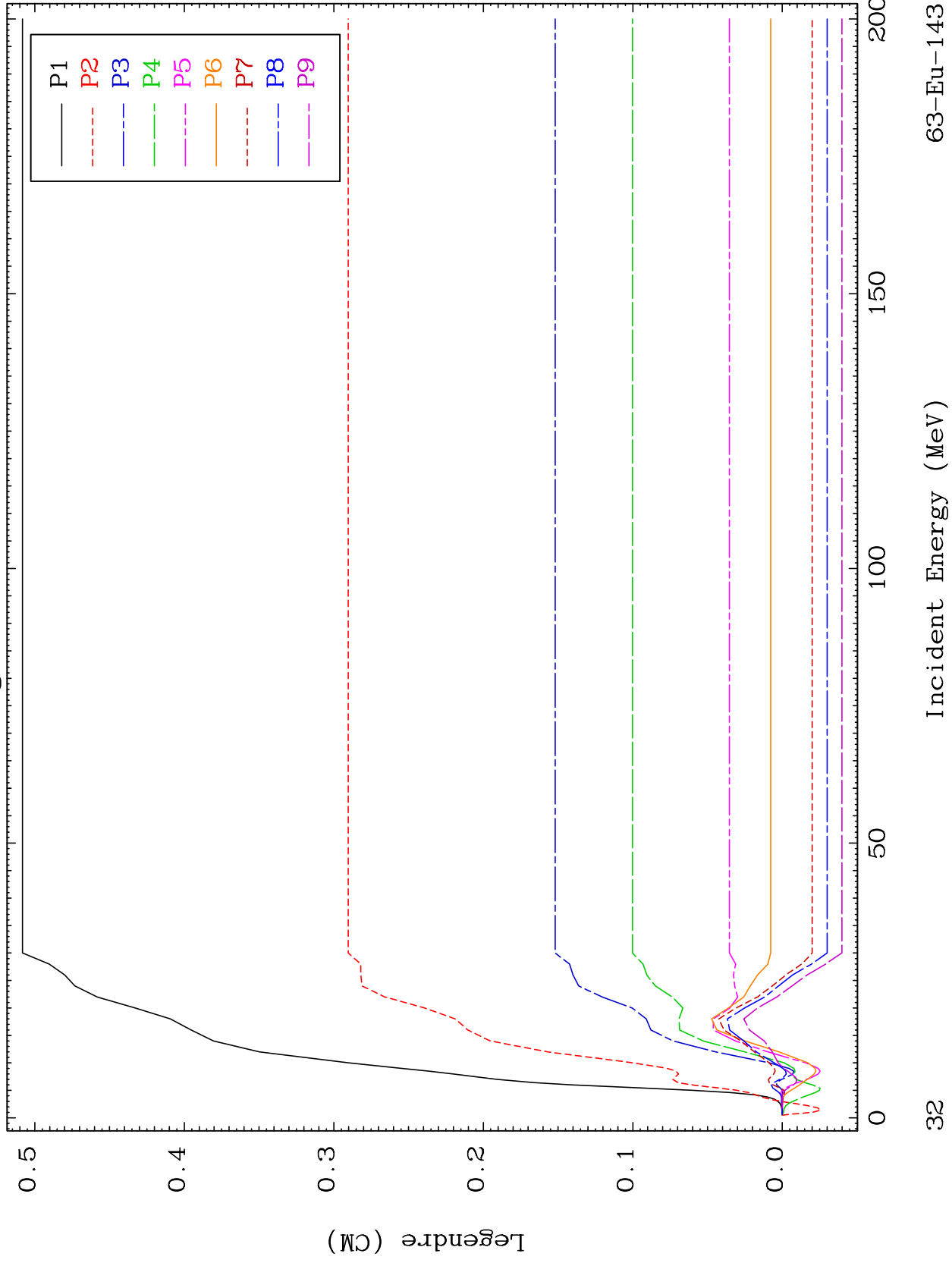
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



63-Eu-143

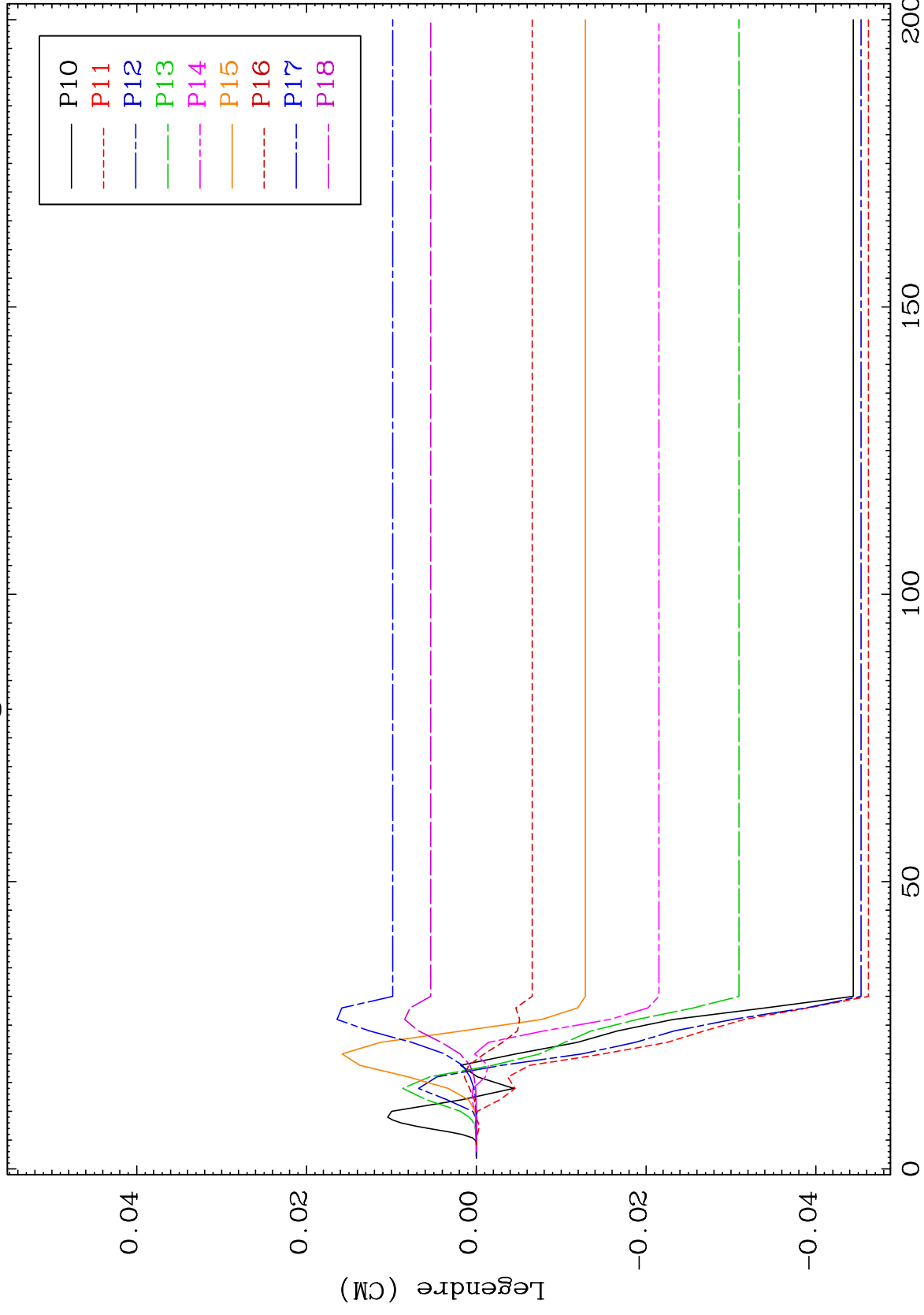
Incident Energy (MeV)

32

MAT 6301

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

63-Eu-143



33

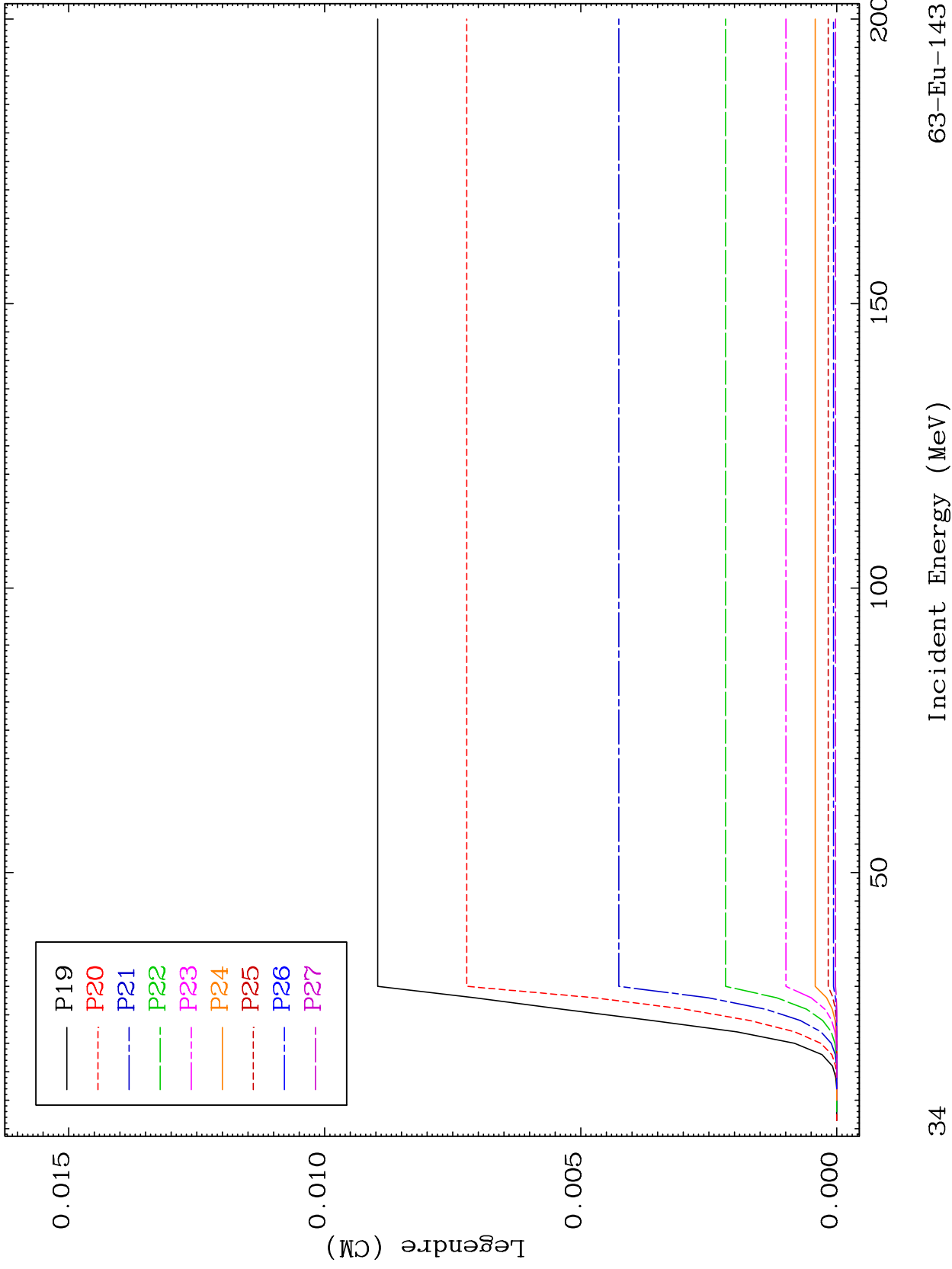
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



34

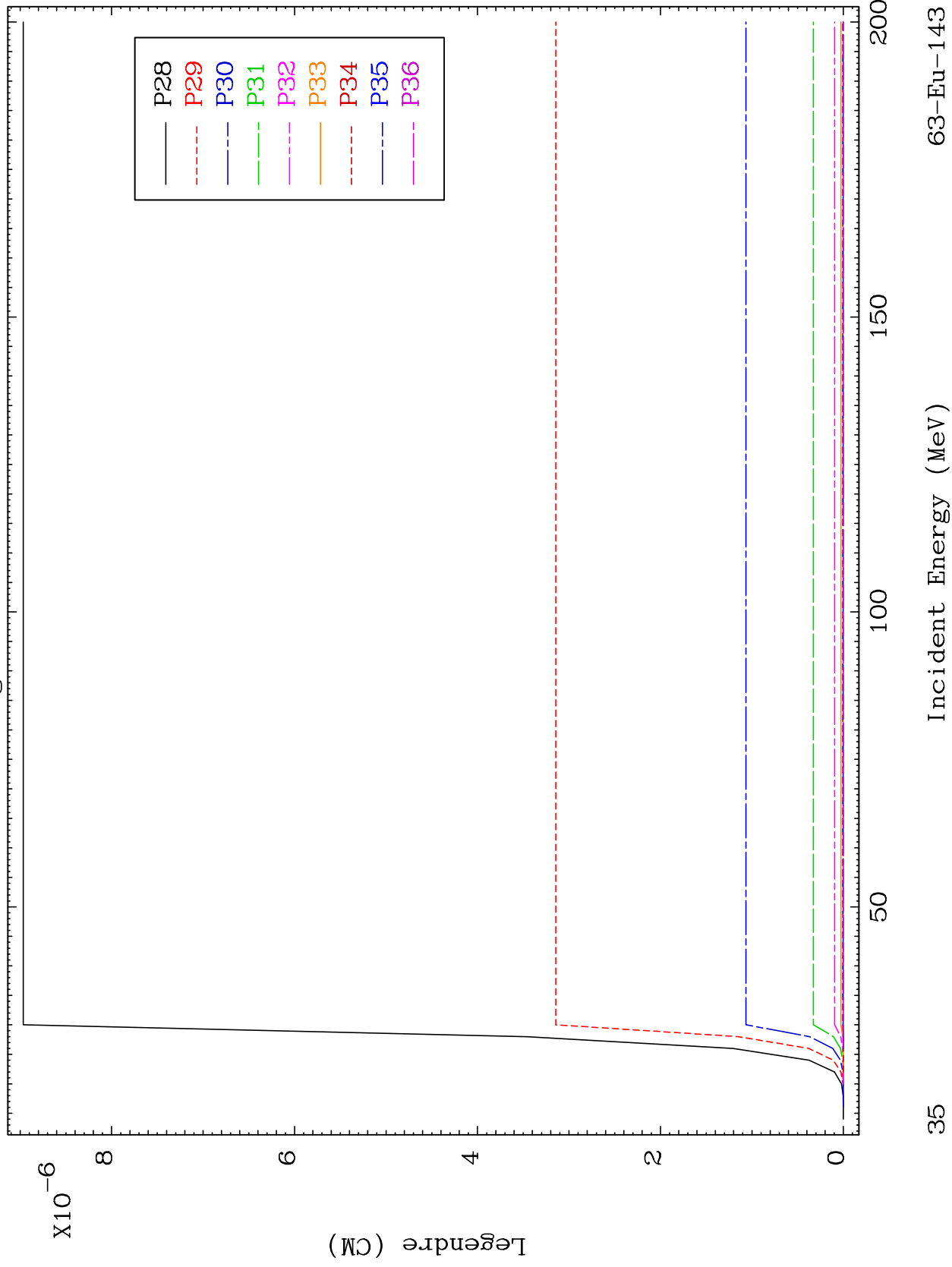
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

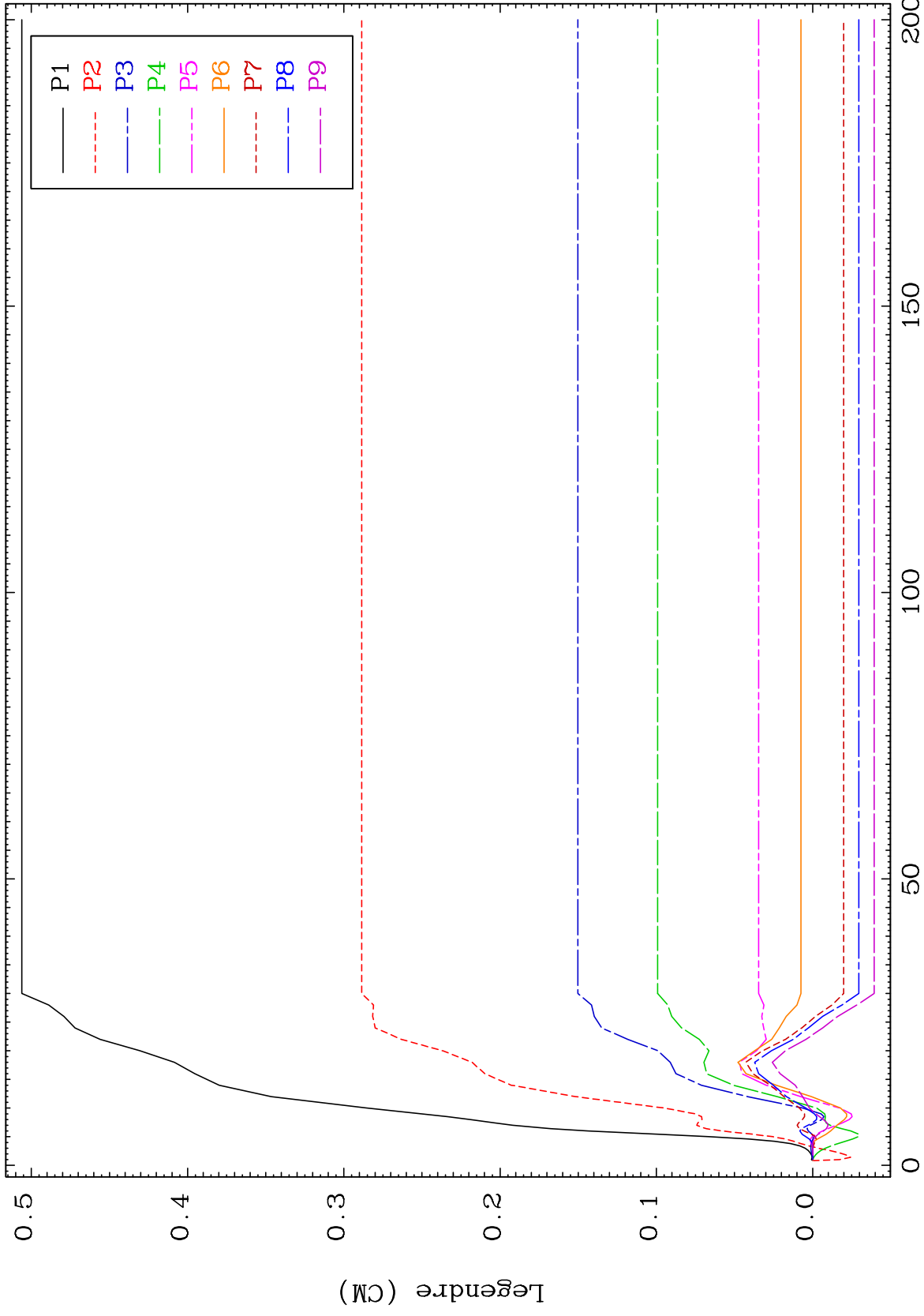
63-Eu-143



MAT 6301

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

63-Eu-143



36

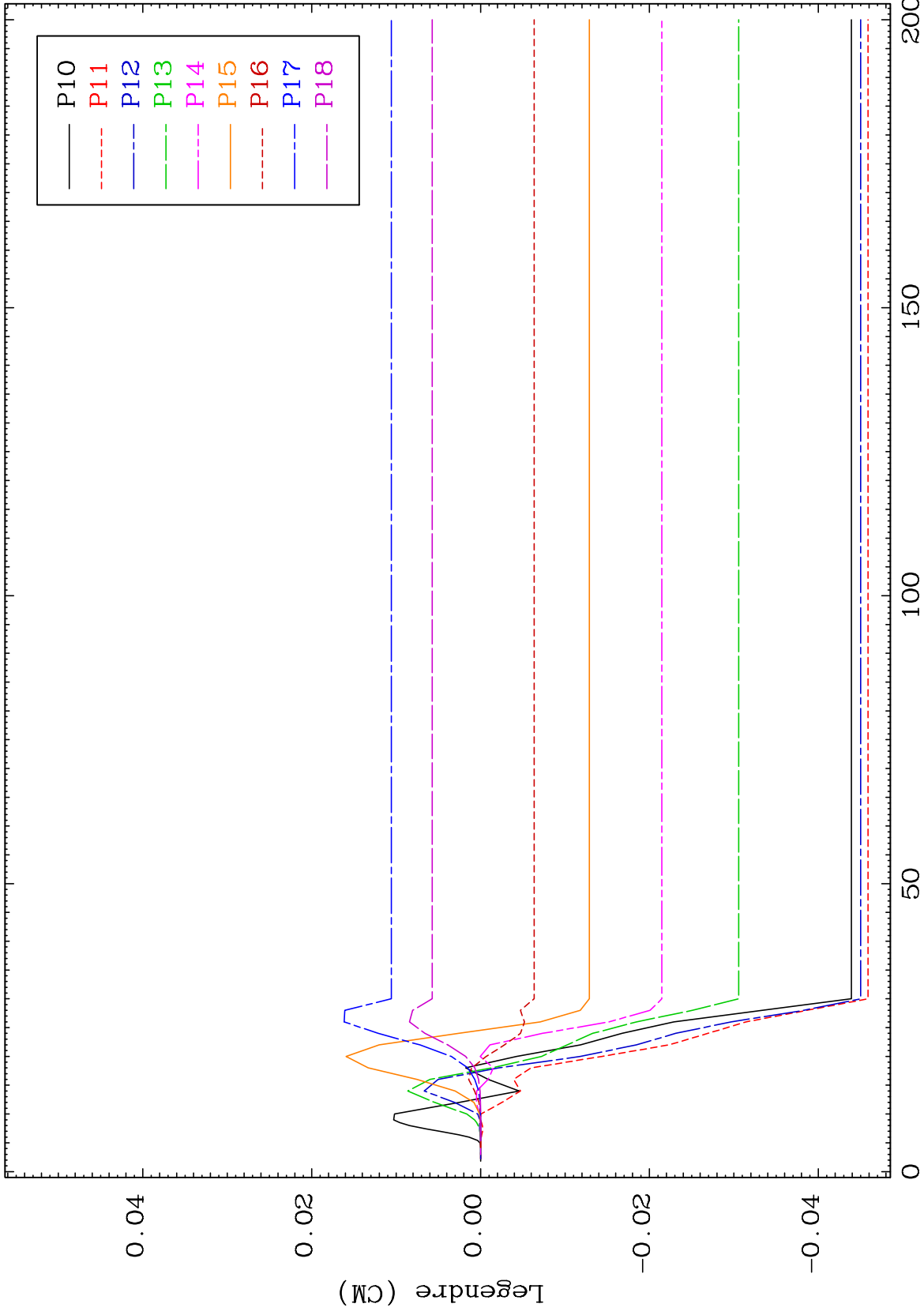
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



37

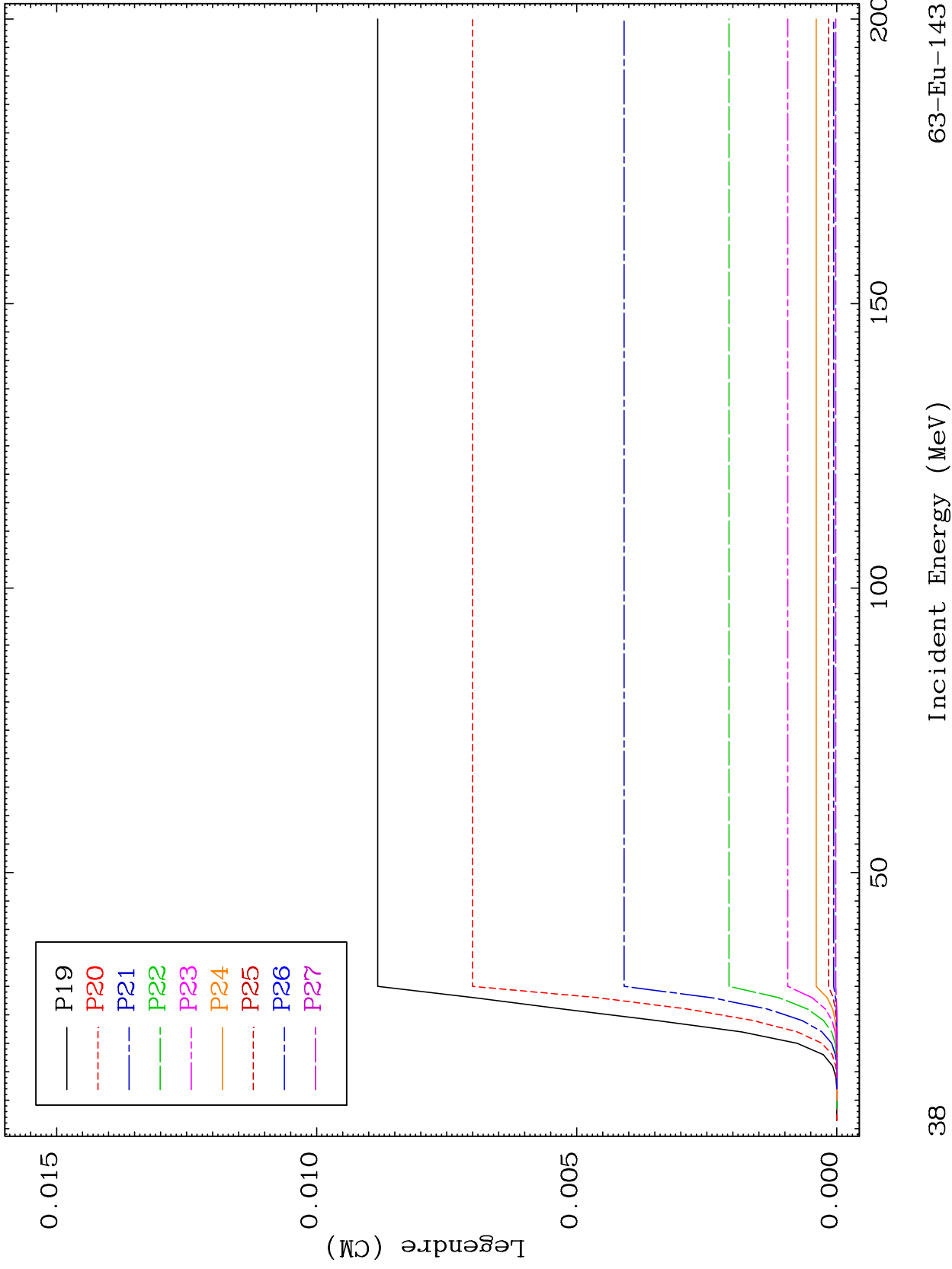
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



38

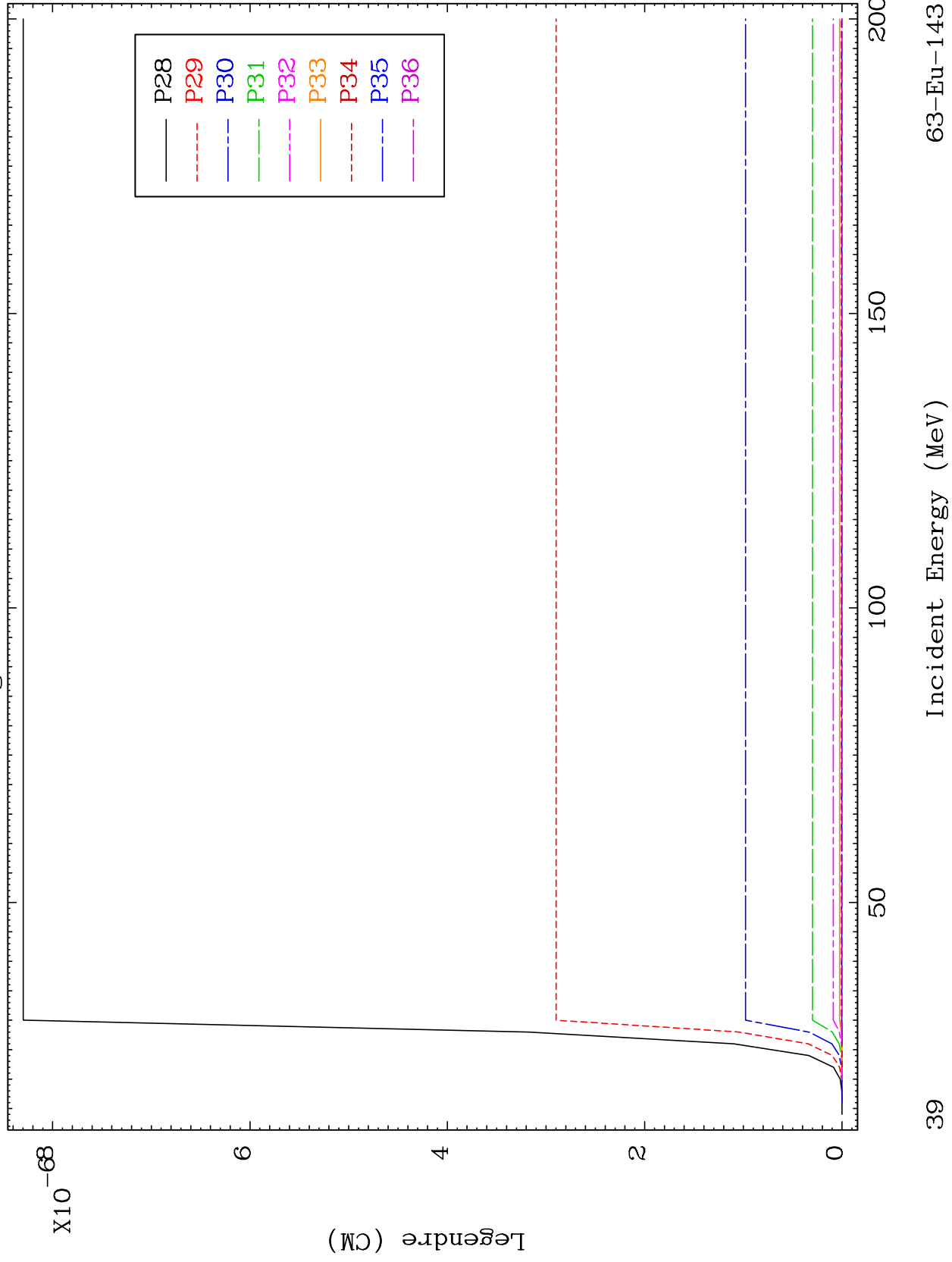
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



39

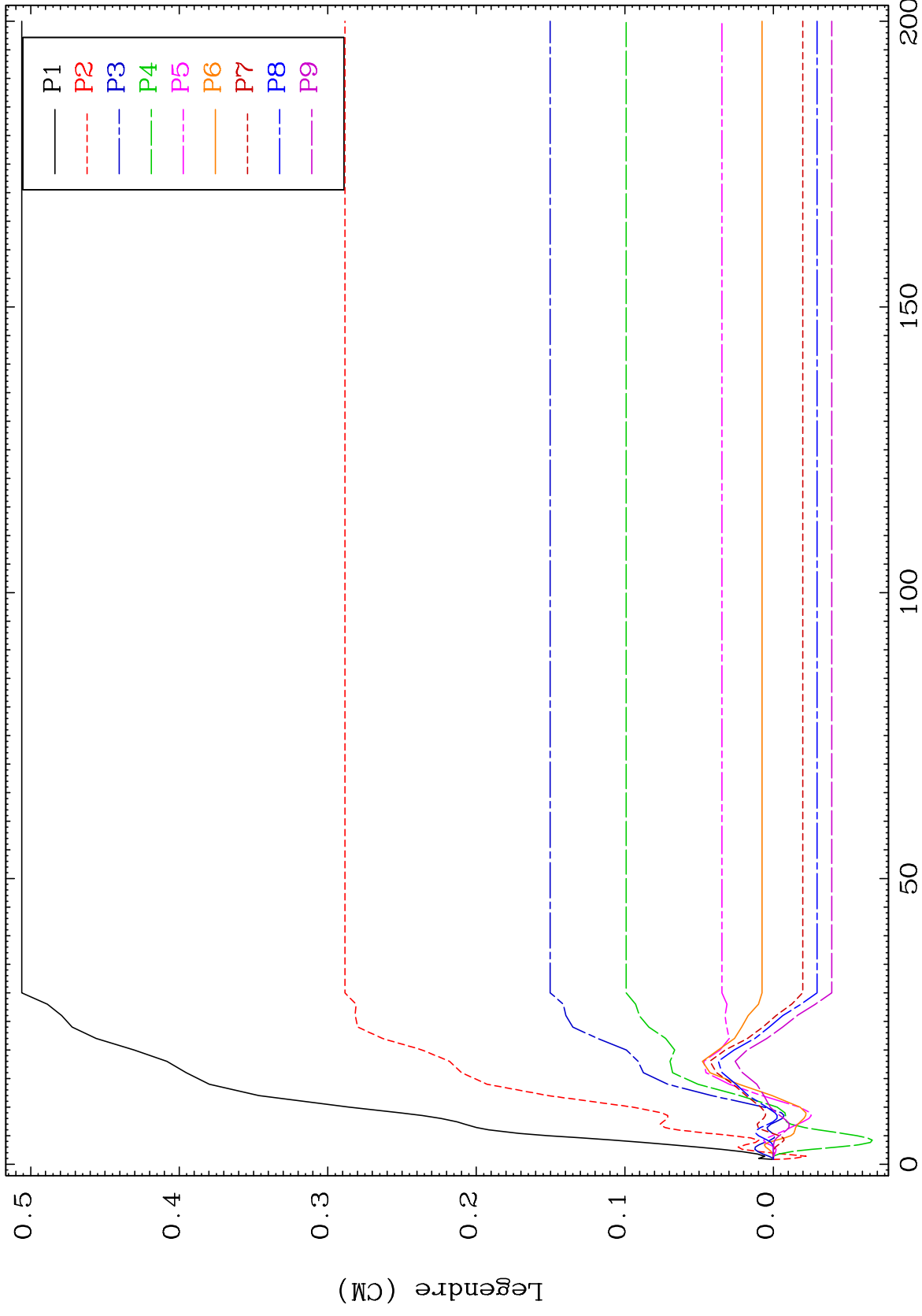
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



40

0

50

100

150

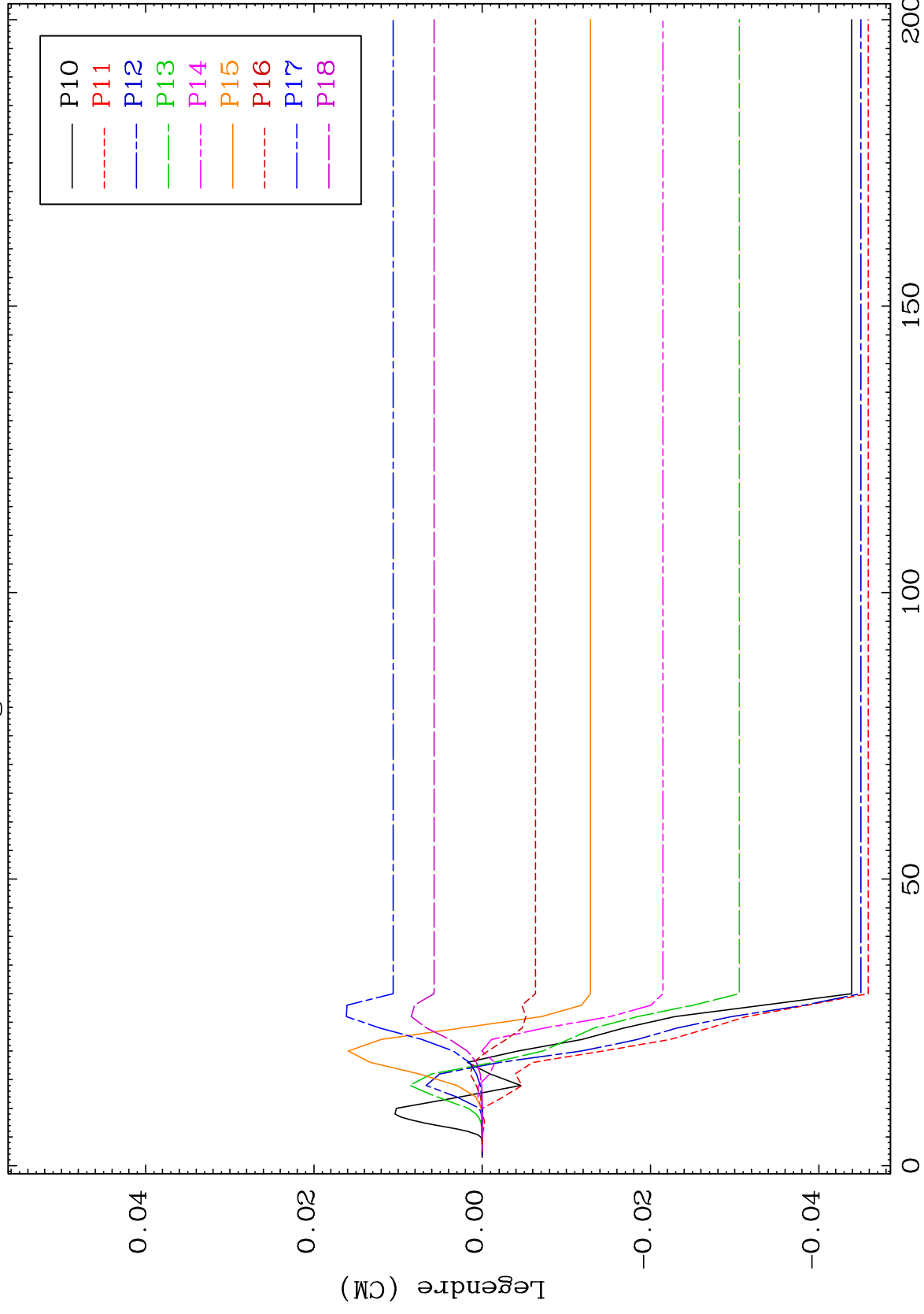
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63-Eu-143

MAT 6301

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

63-Eu-143



41

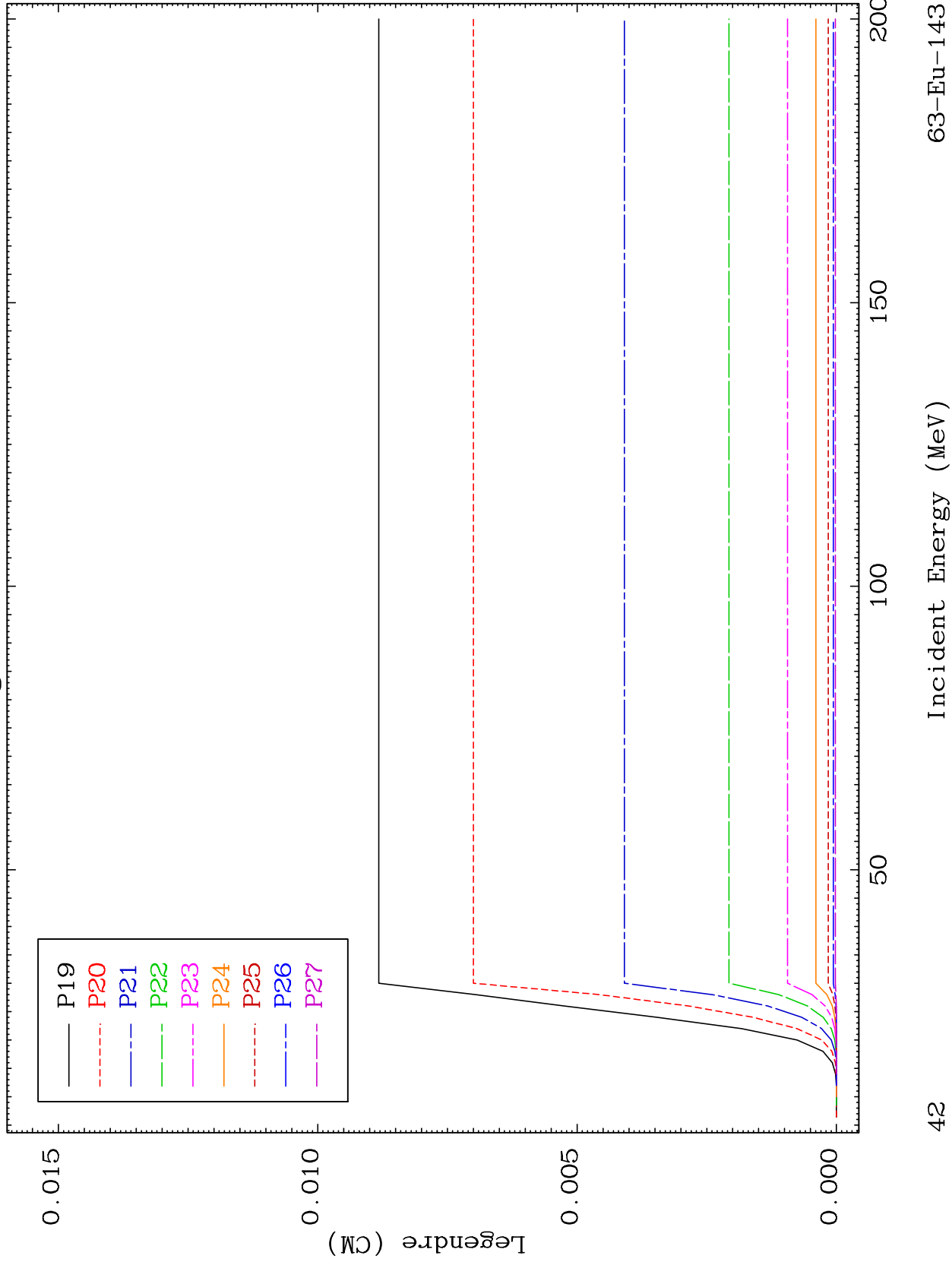
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



42

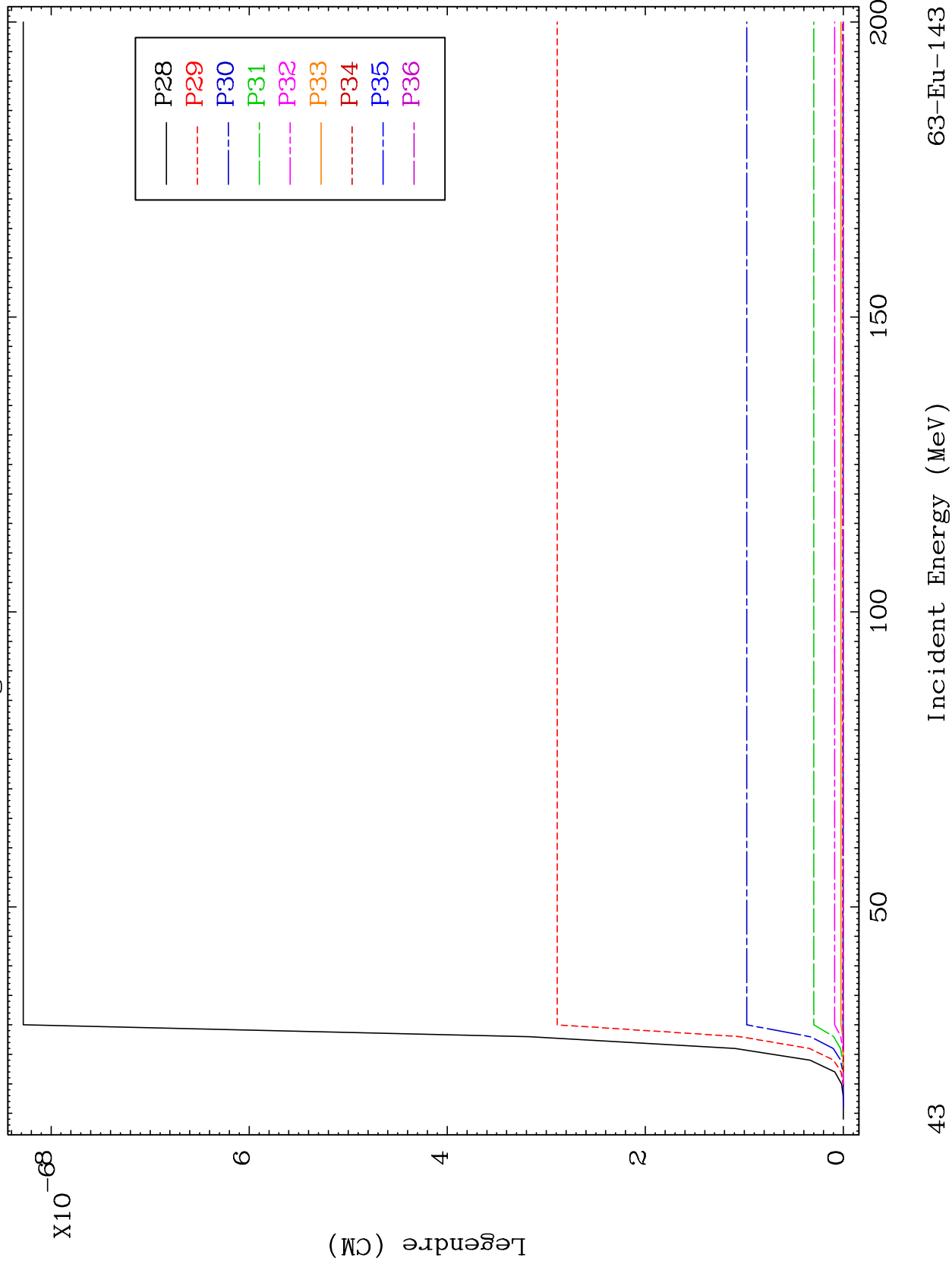
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



43

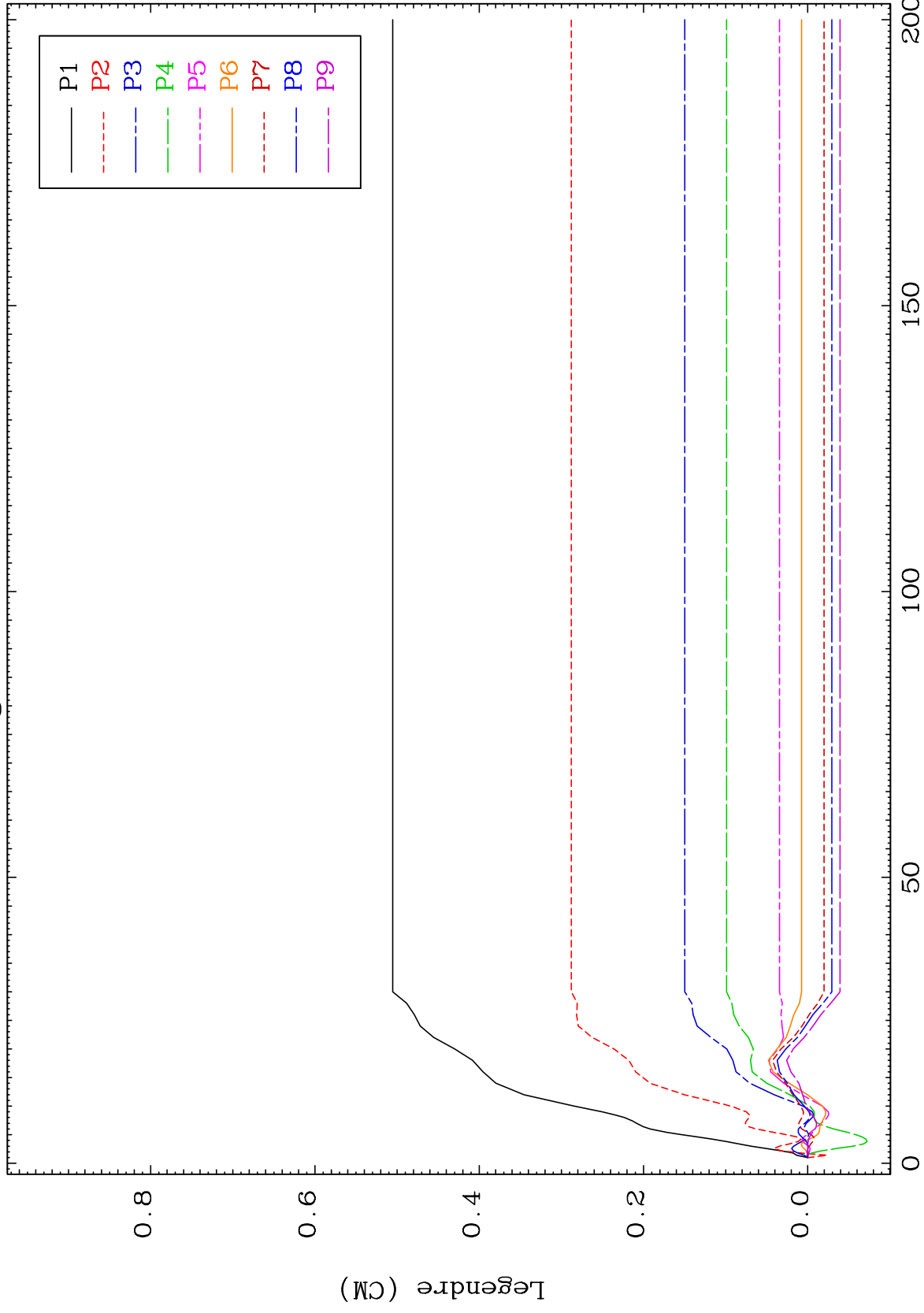
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



44

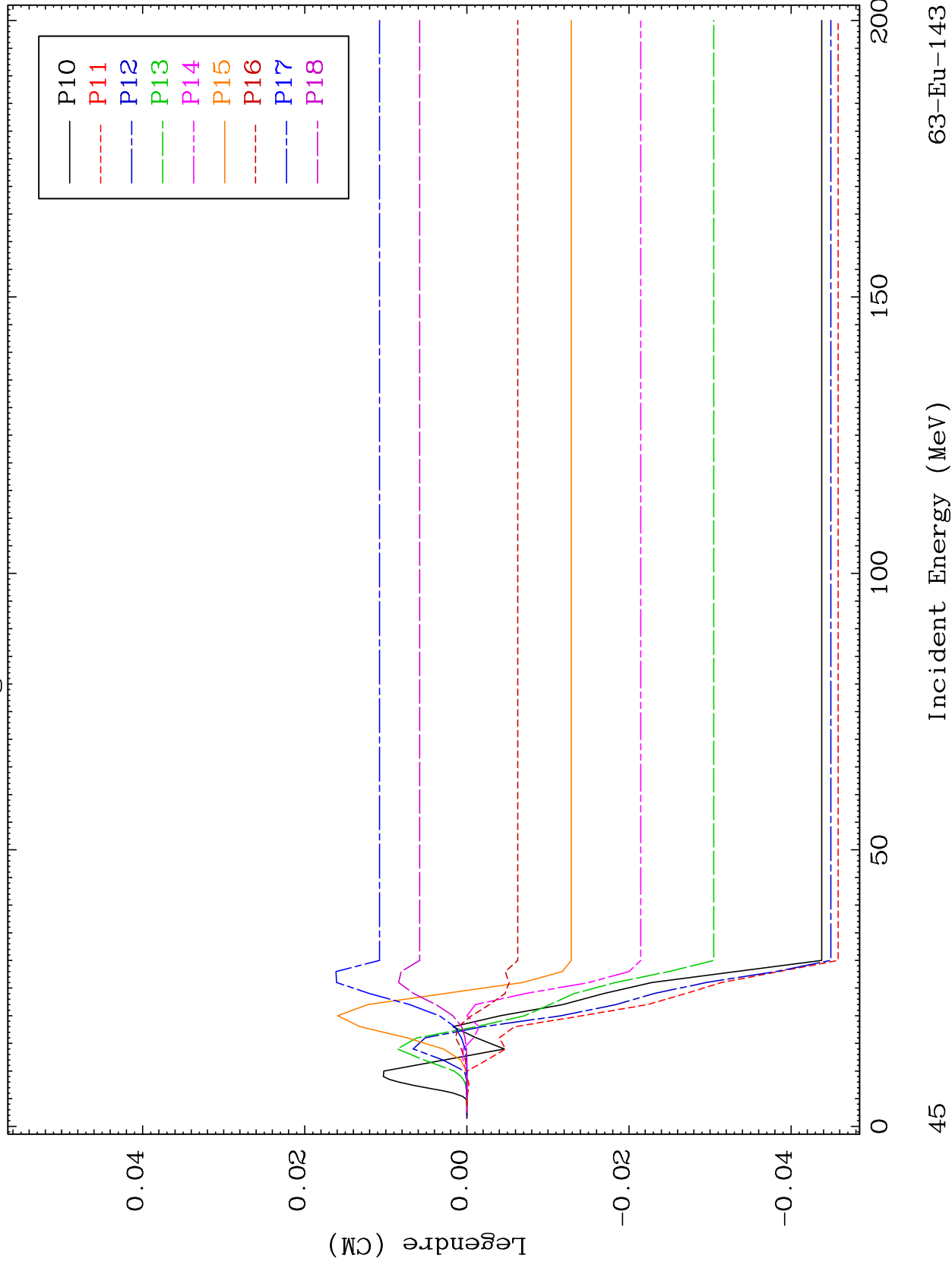
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



63-Eu-143

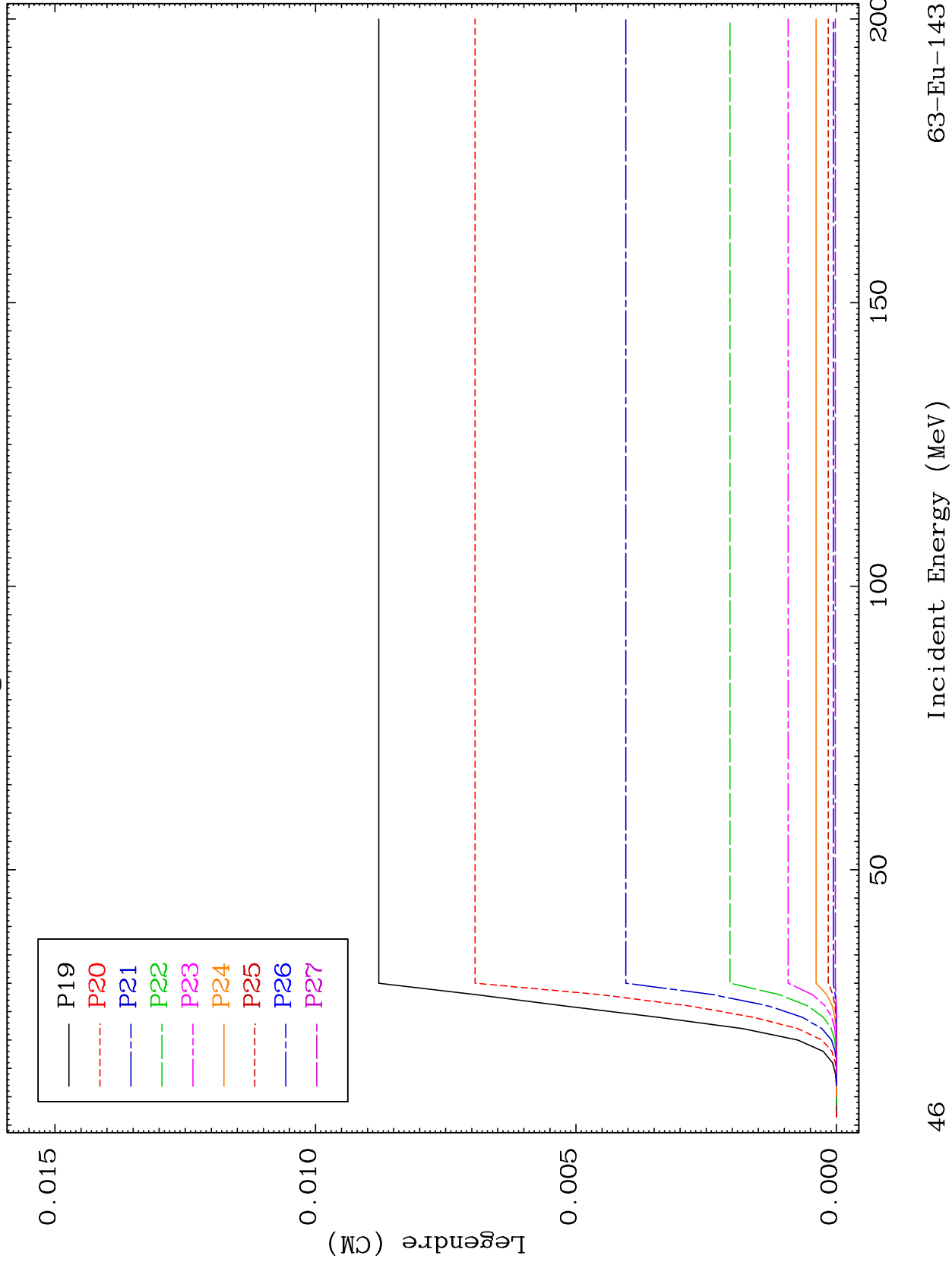
Incident Energy (MeV)

45

MAT 6301

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

63-Eu-143



46

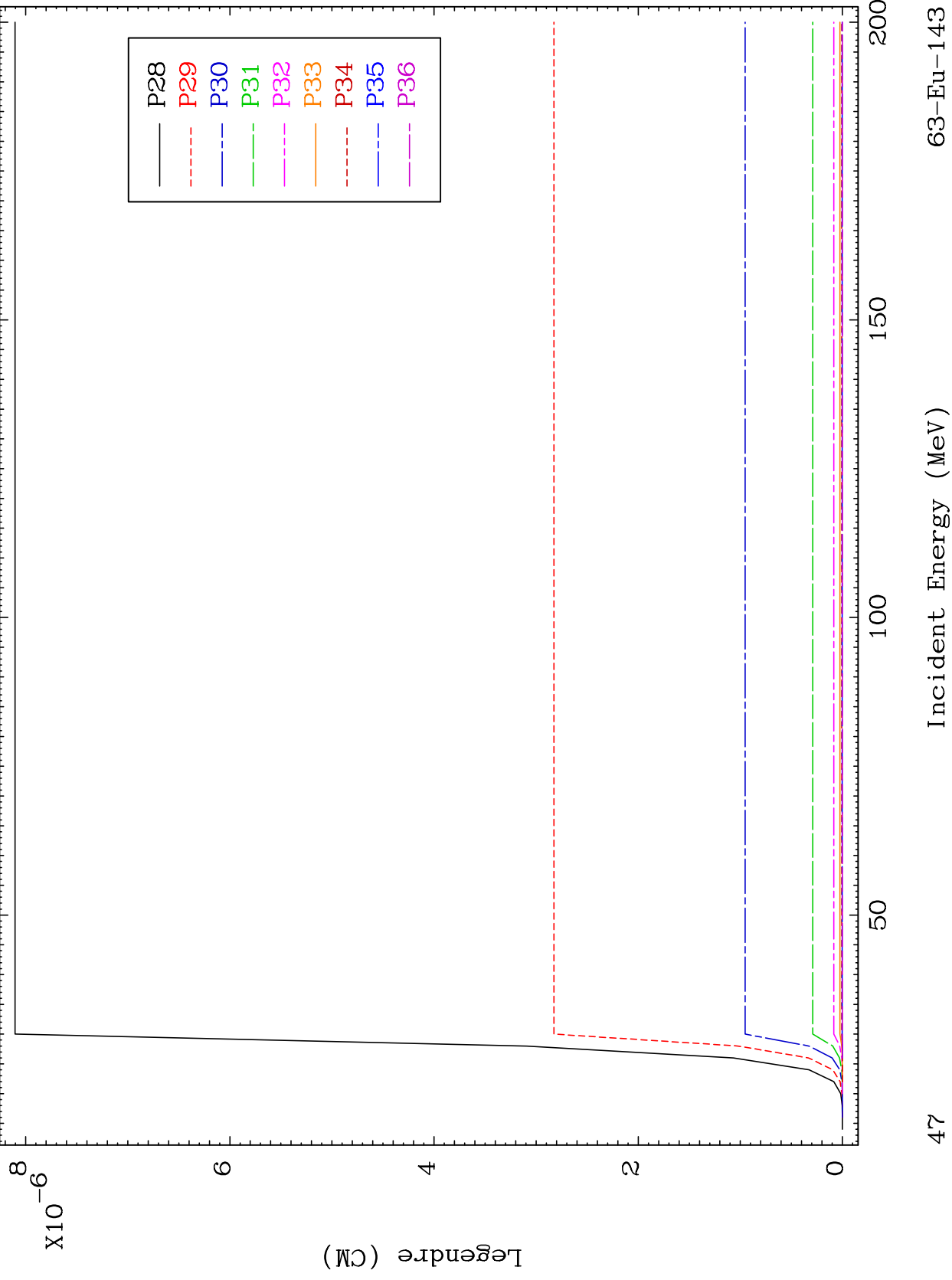
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



47

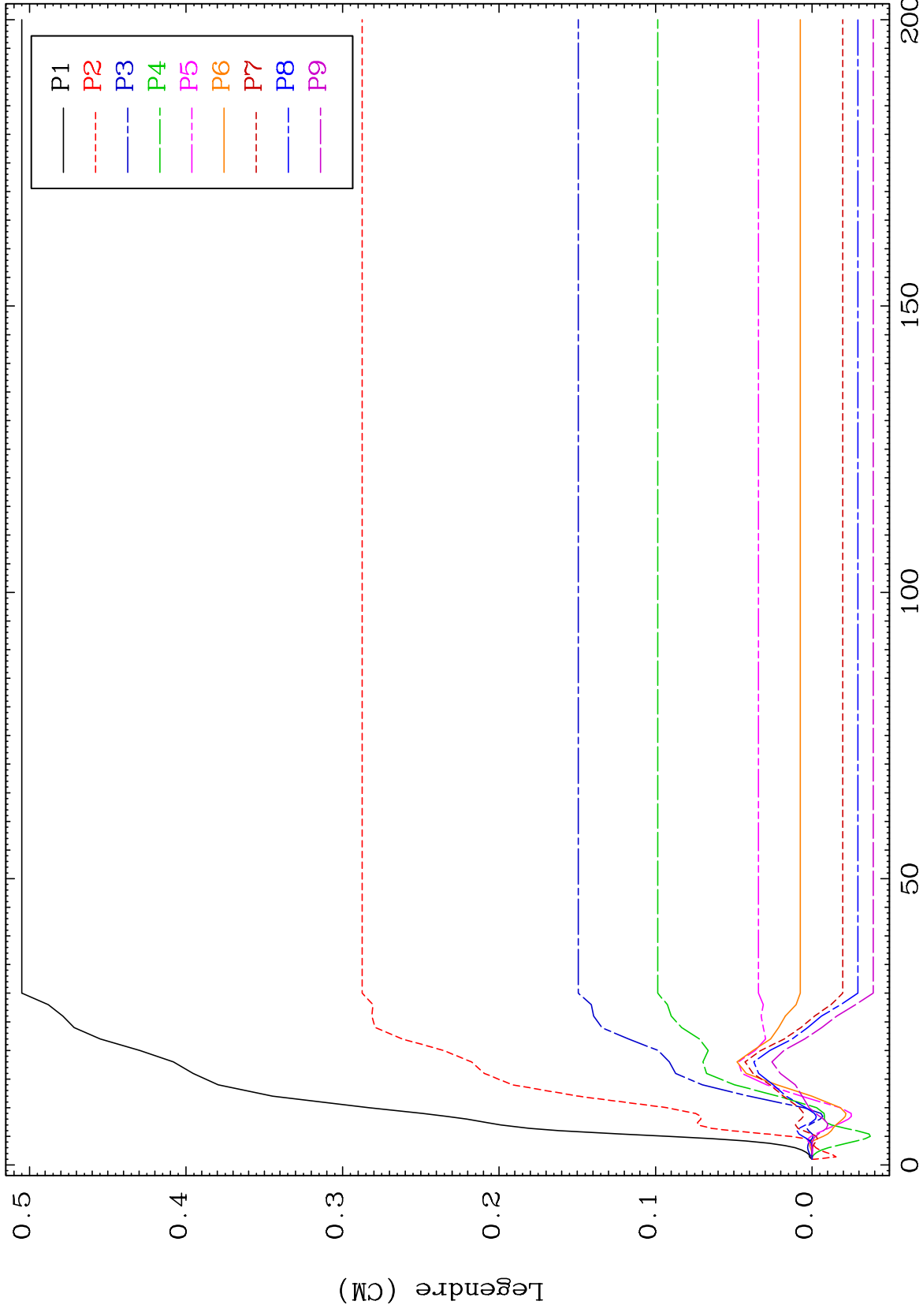
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



48

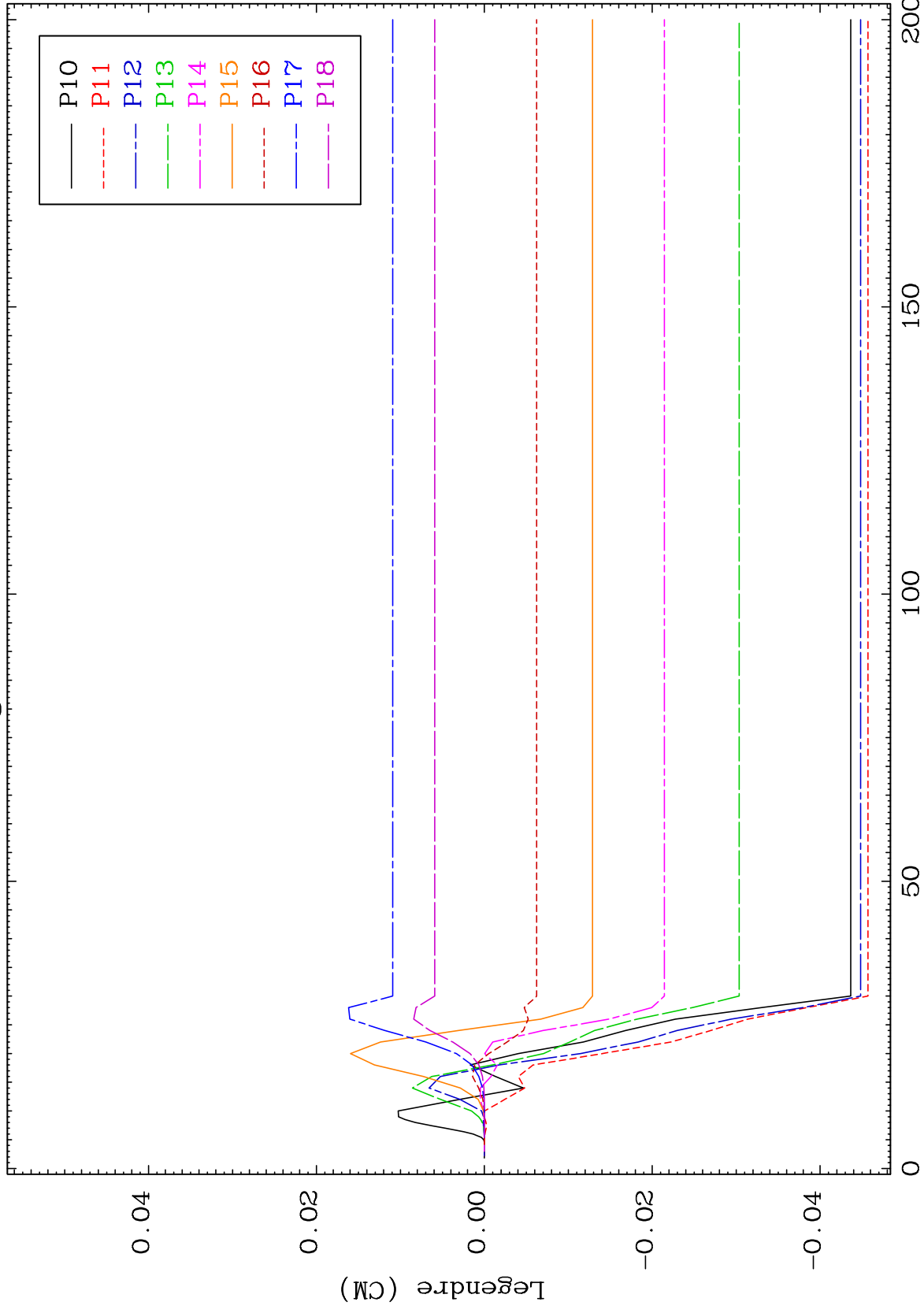
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



49

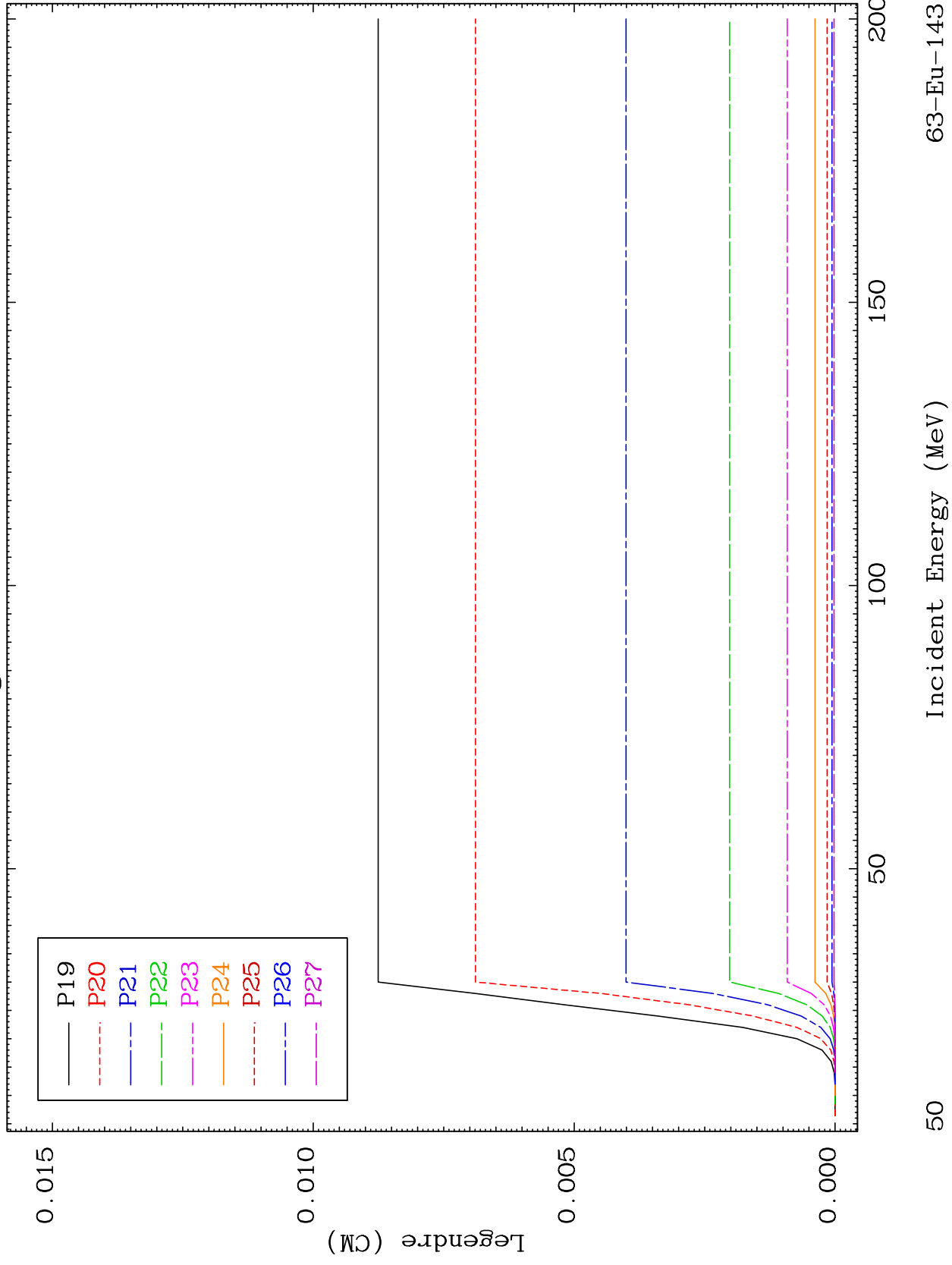
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



63-Eu-143

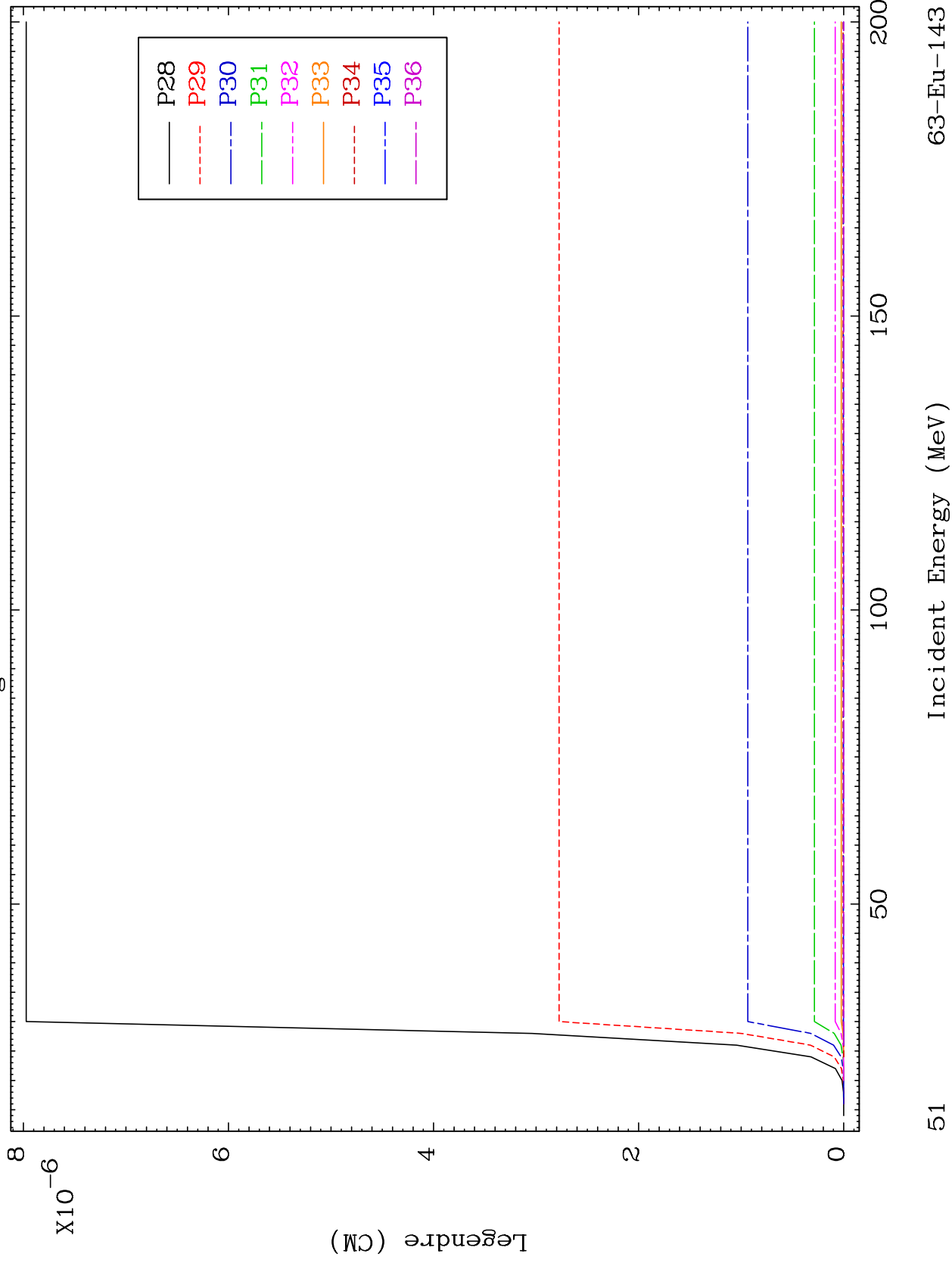
Incident Energy (MeV)

50

MAT 6301

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

63-Eu-143



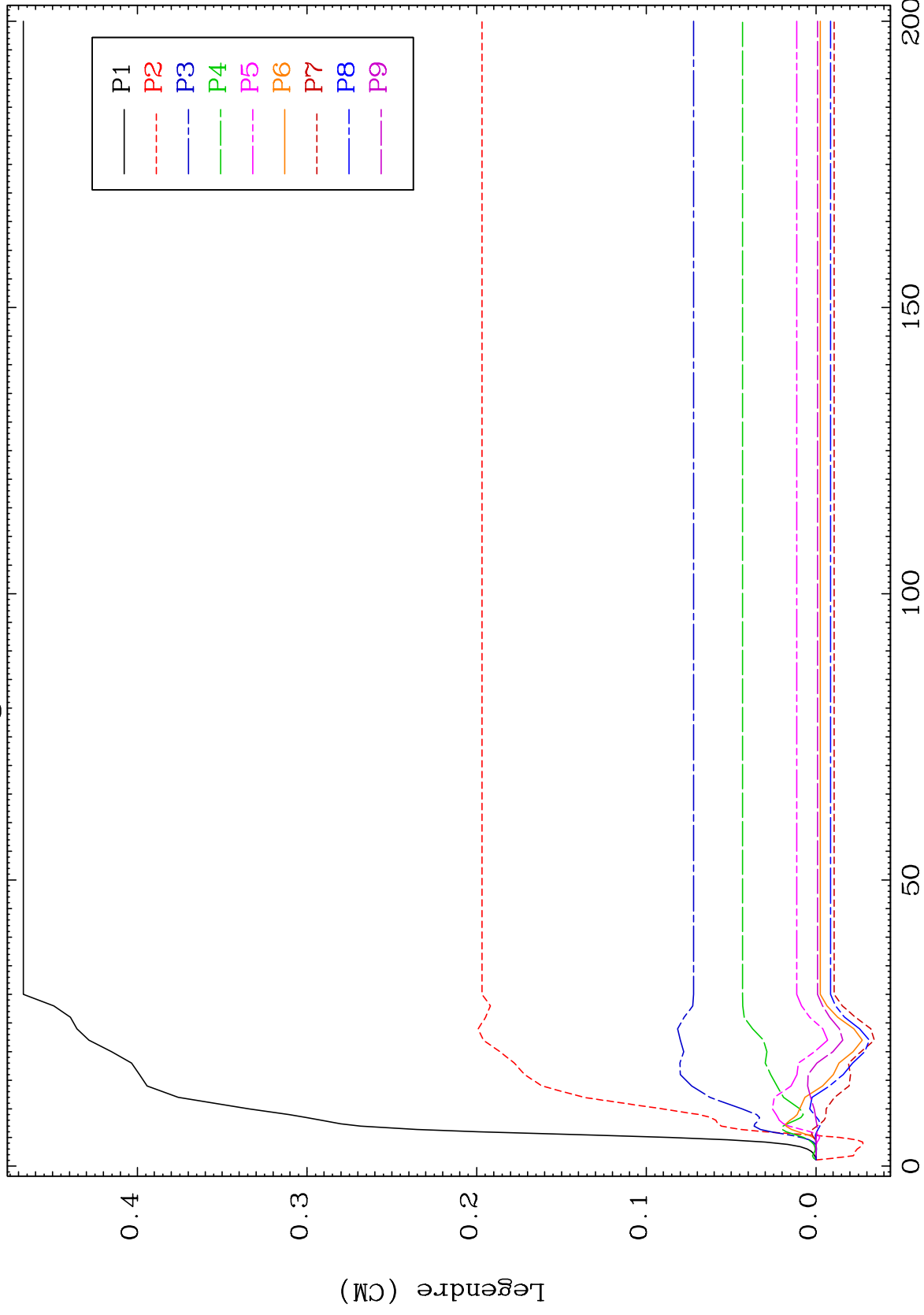
51

63-Eu-143

MAT 6301

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

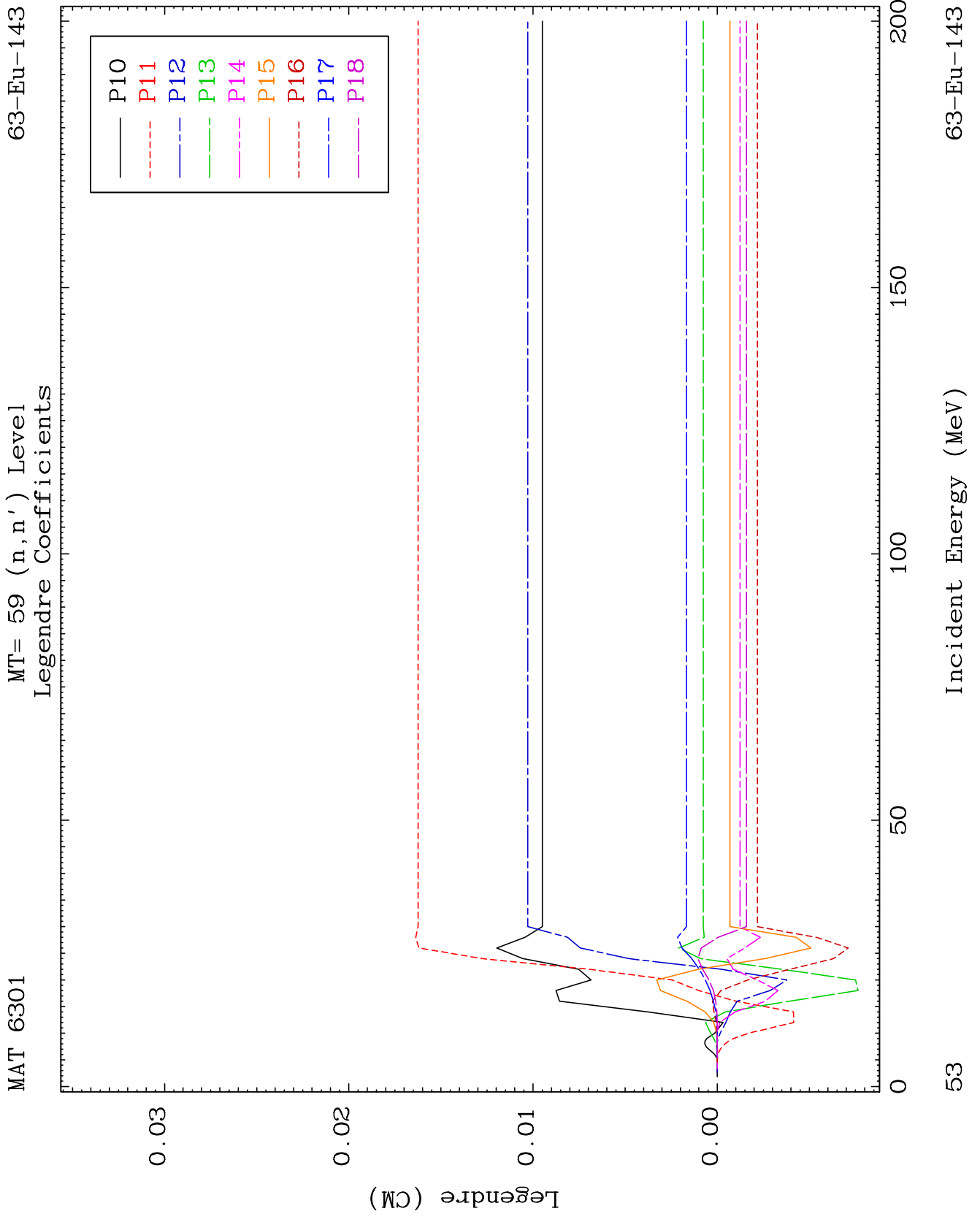
63-Eu-143

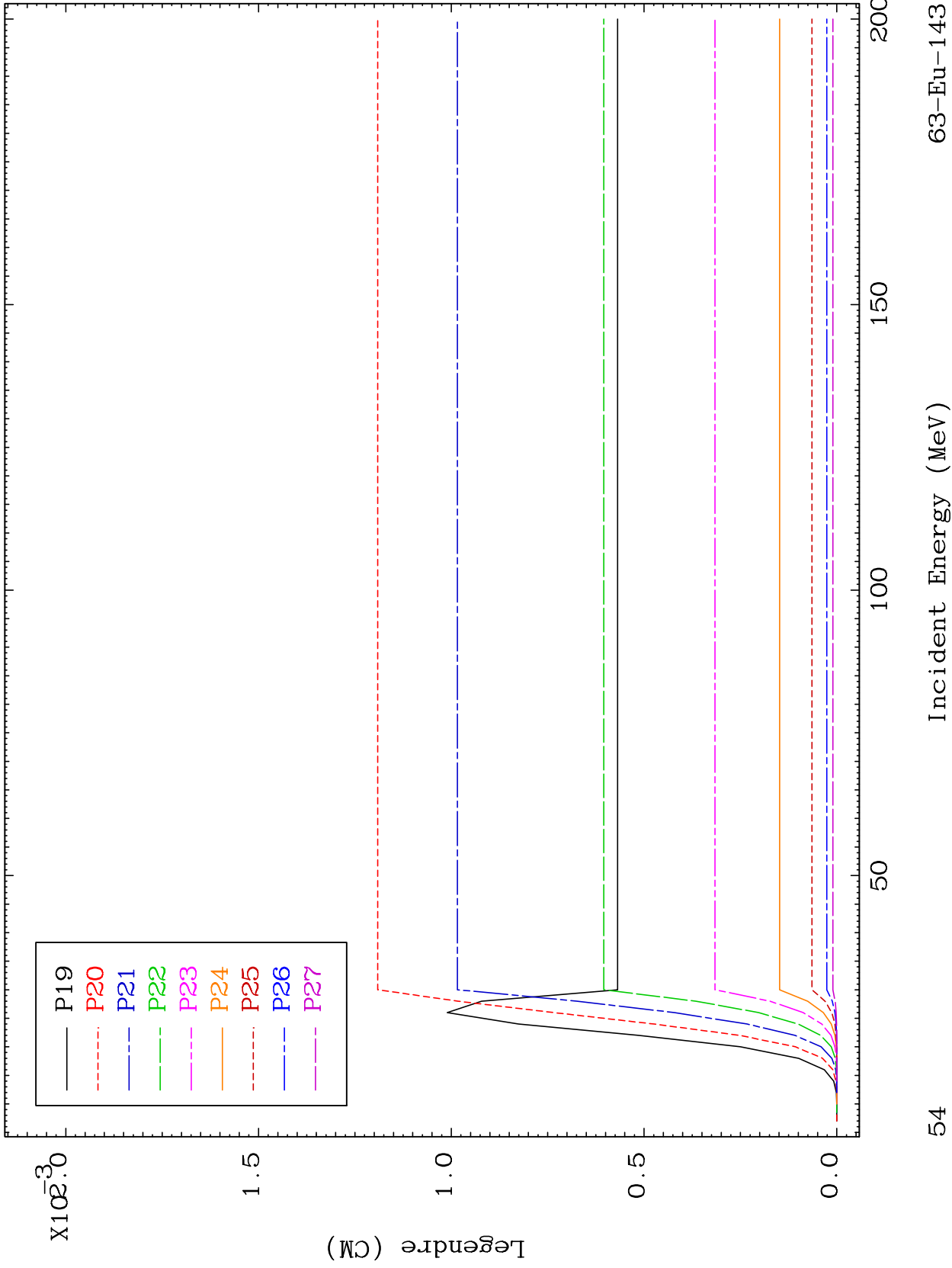


52

Incident Energy (MeV)

63-Eu-143

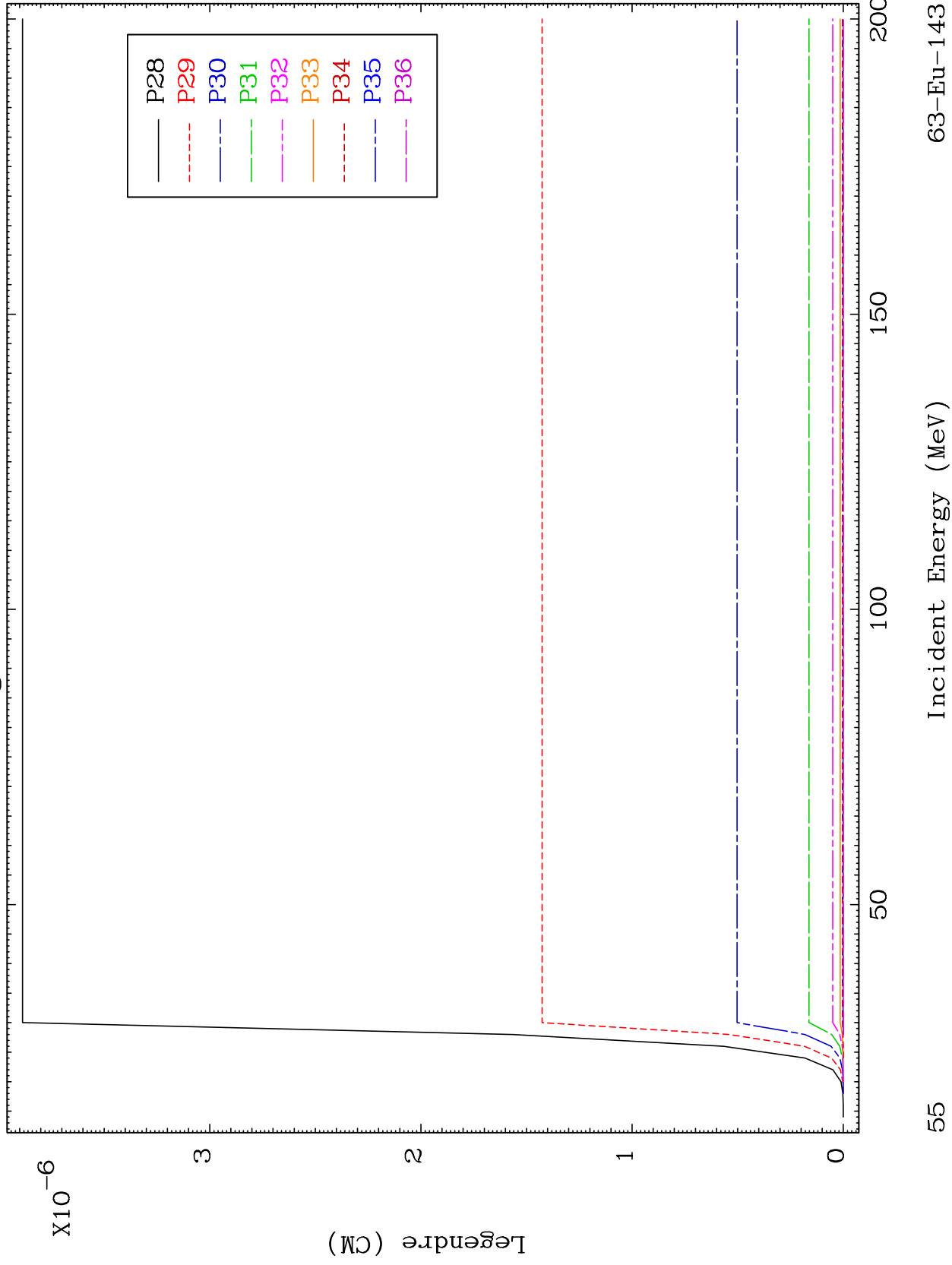




MAT 6301

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

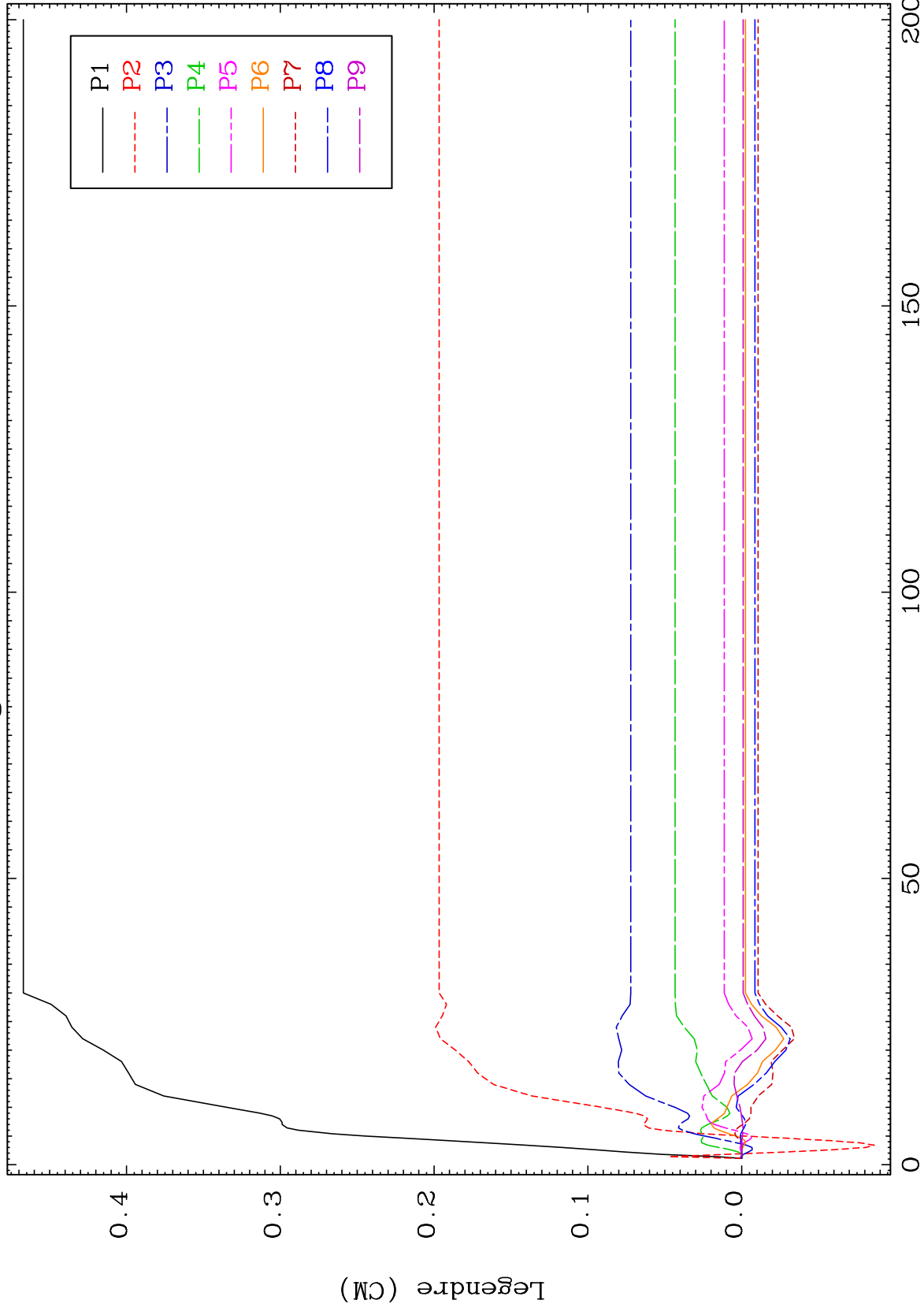
63-Eu-143



MAT 6301

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

63-Eu-143



63-Eu-143

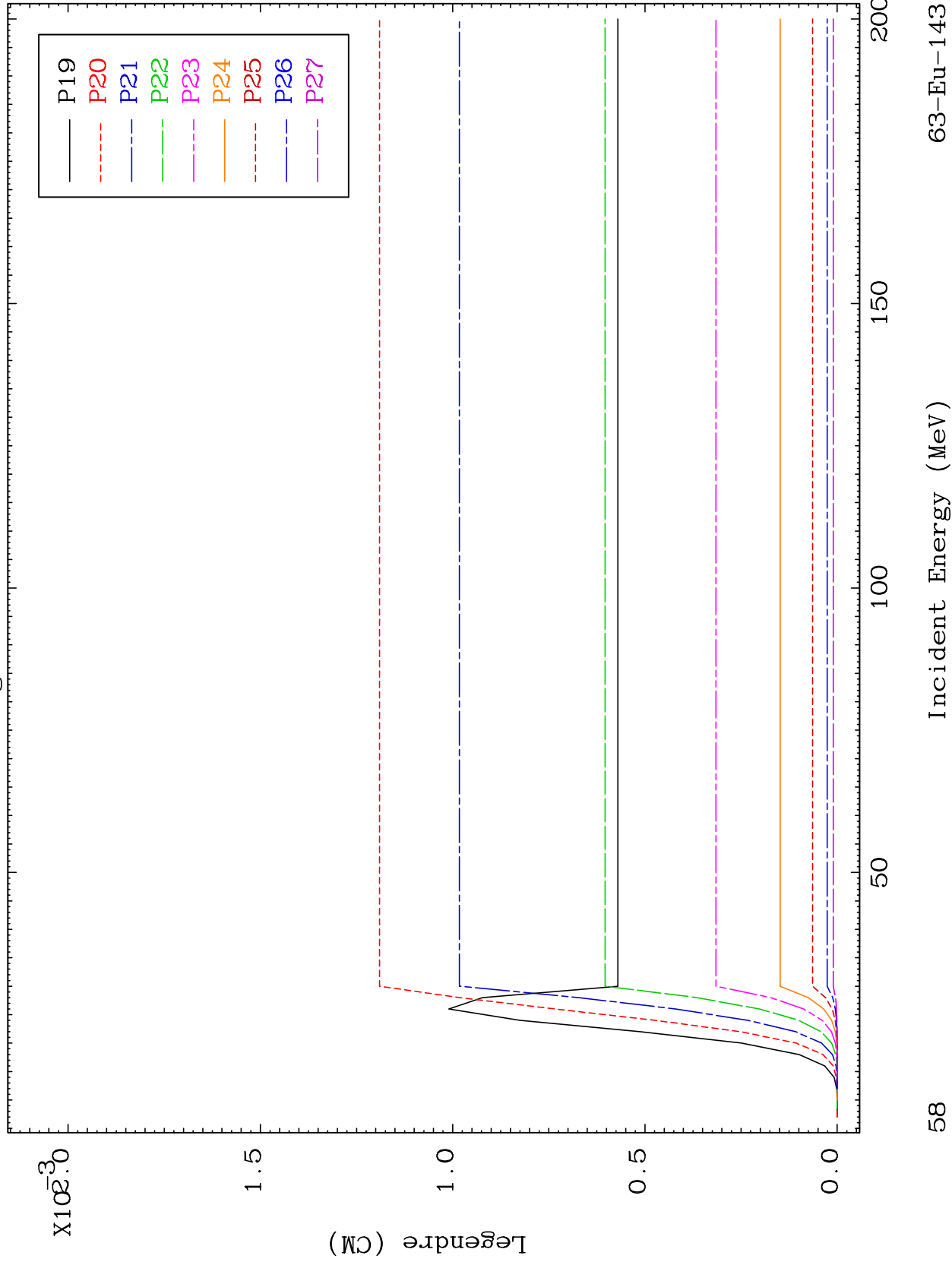
Incident Energy (MeV)

56

MAT 6301

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

63-Eu-143



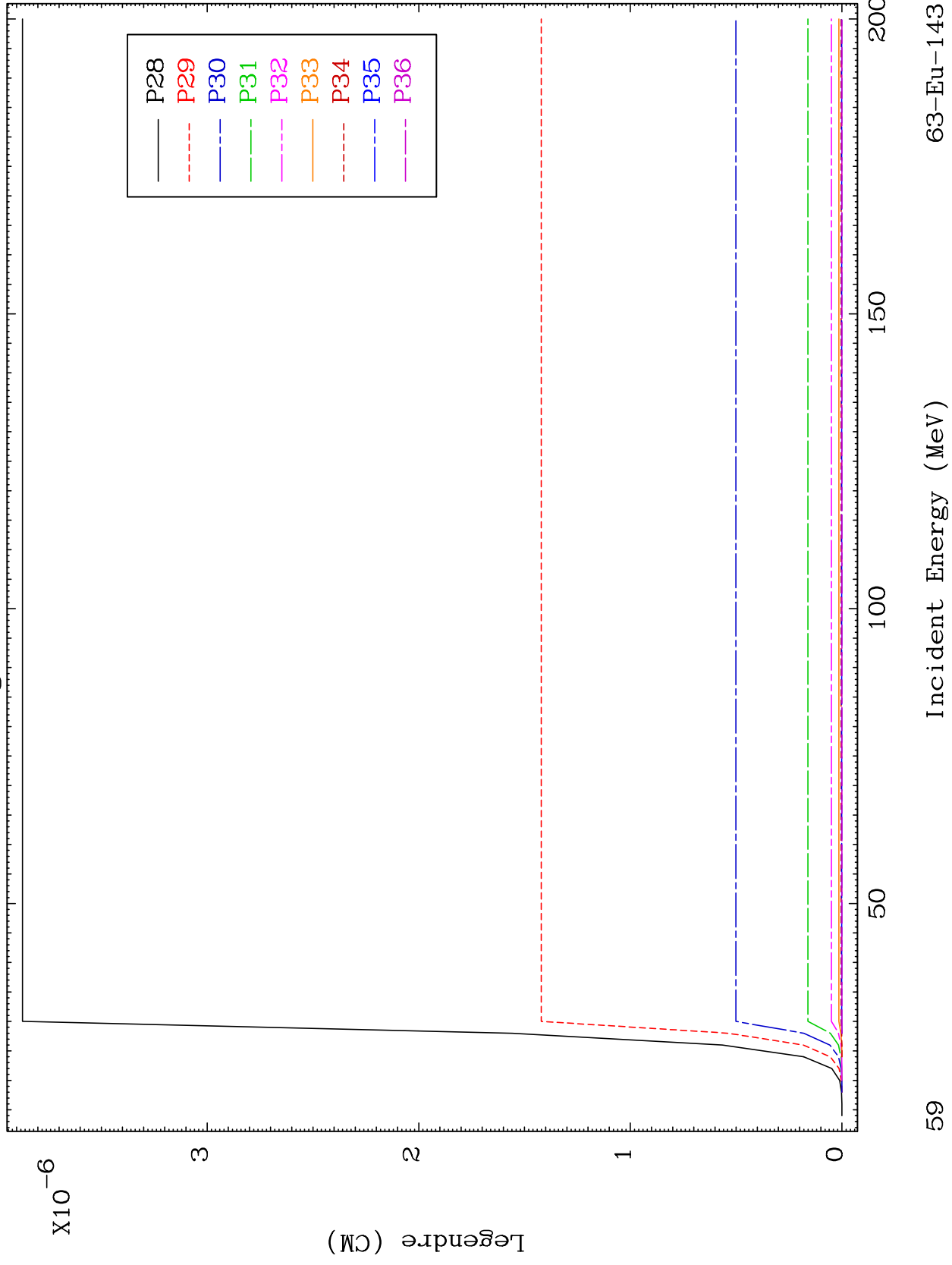
58

63-Eu-143

MAT 6301

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

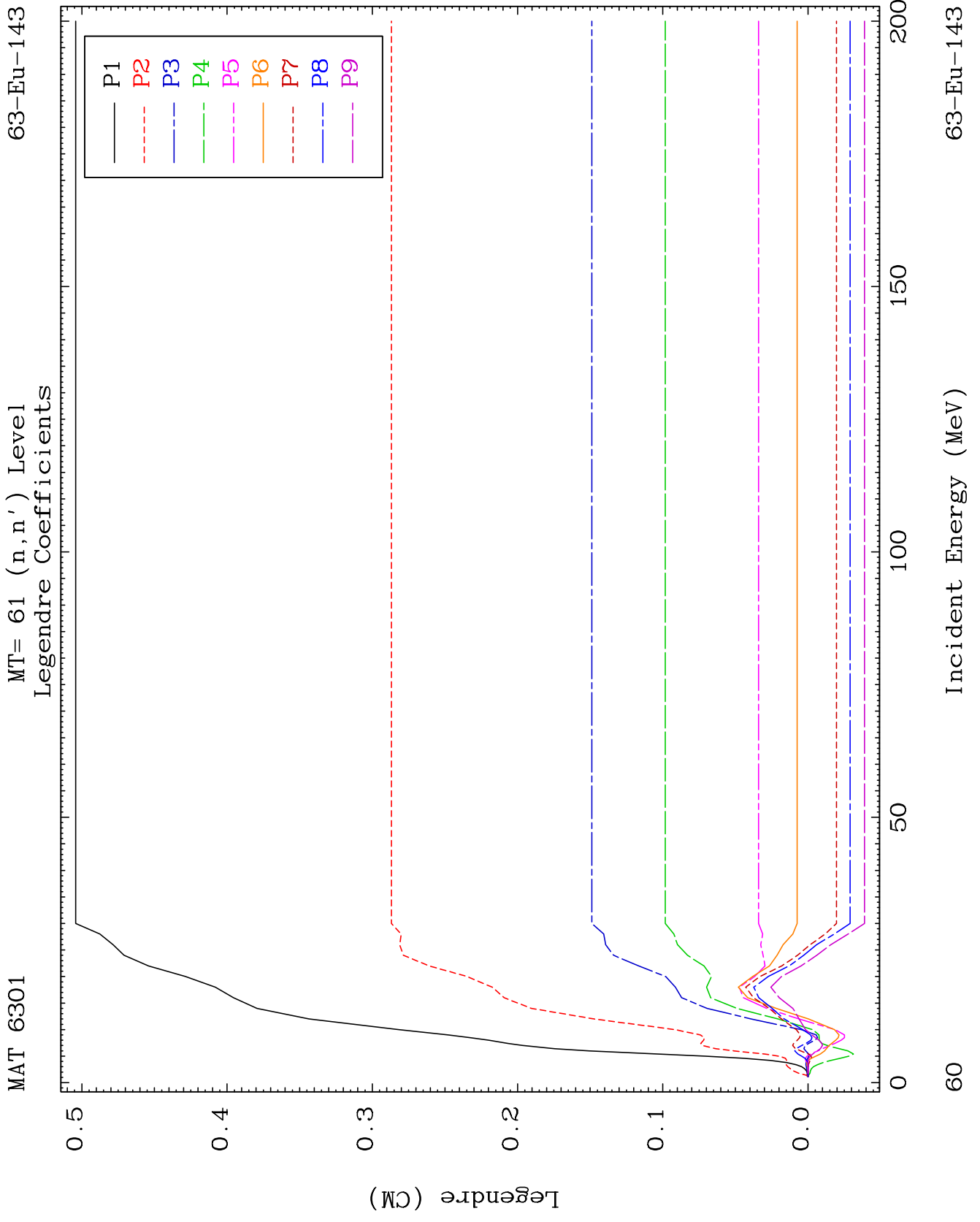
63-Eu-143



59

Incident Energy (MeV)

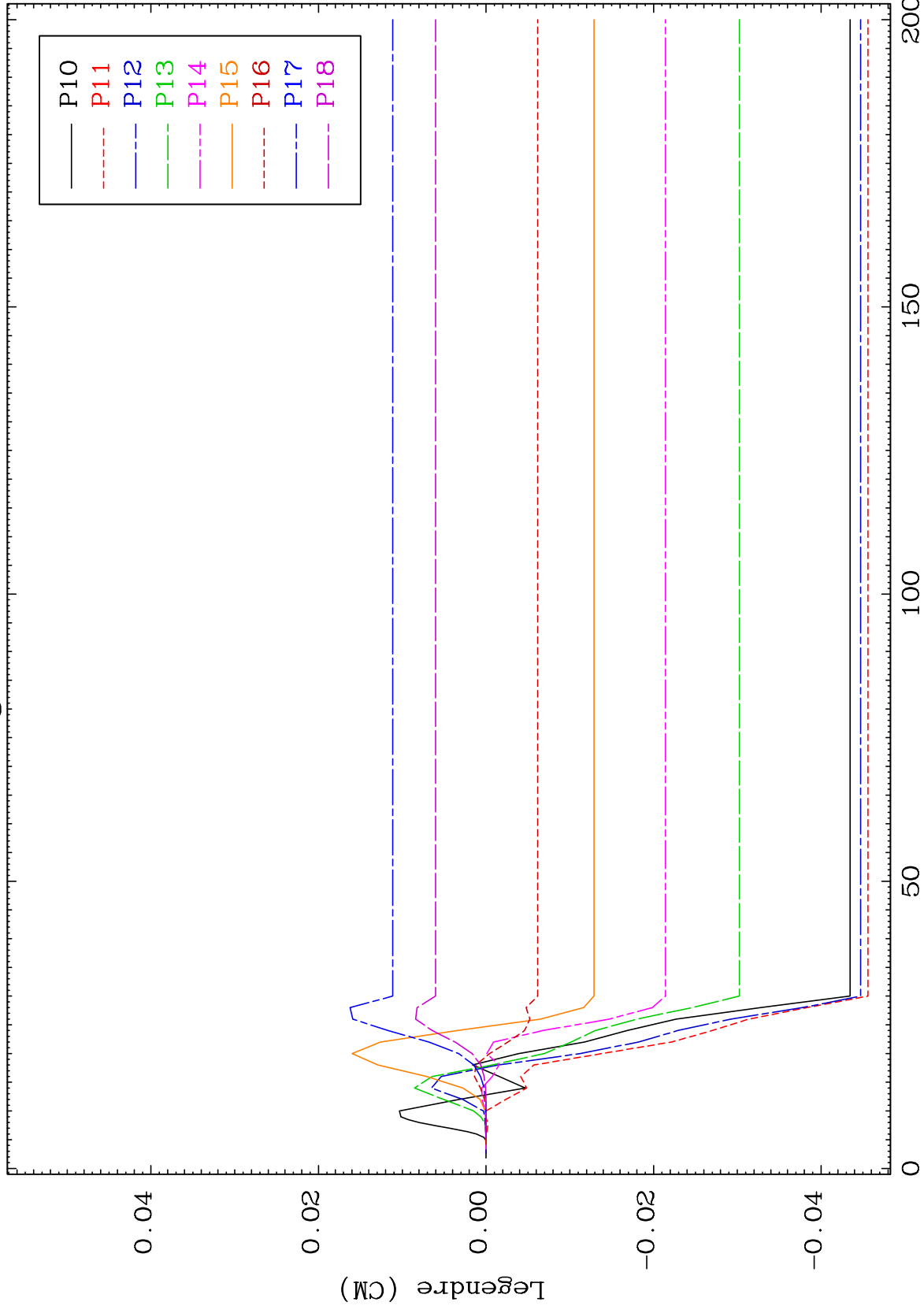
63-Eu-143



MAT 6301

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

63-Eu-143



61

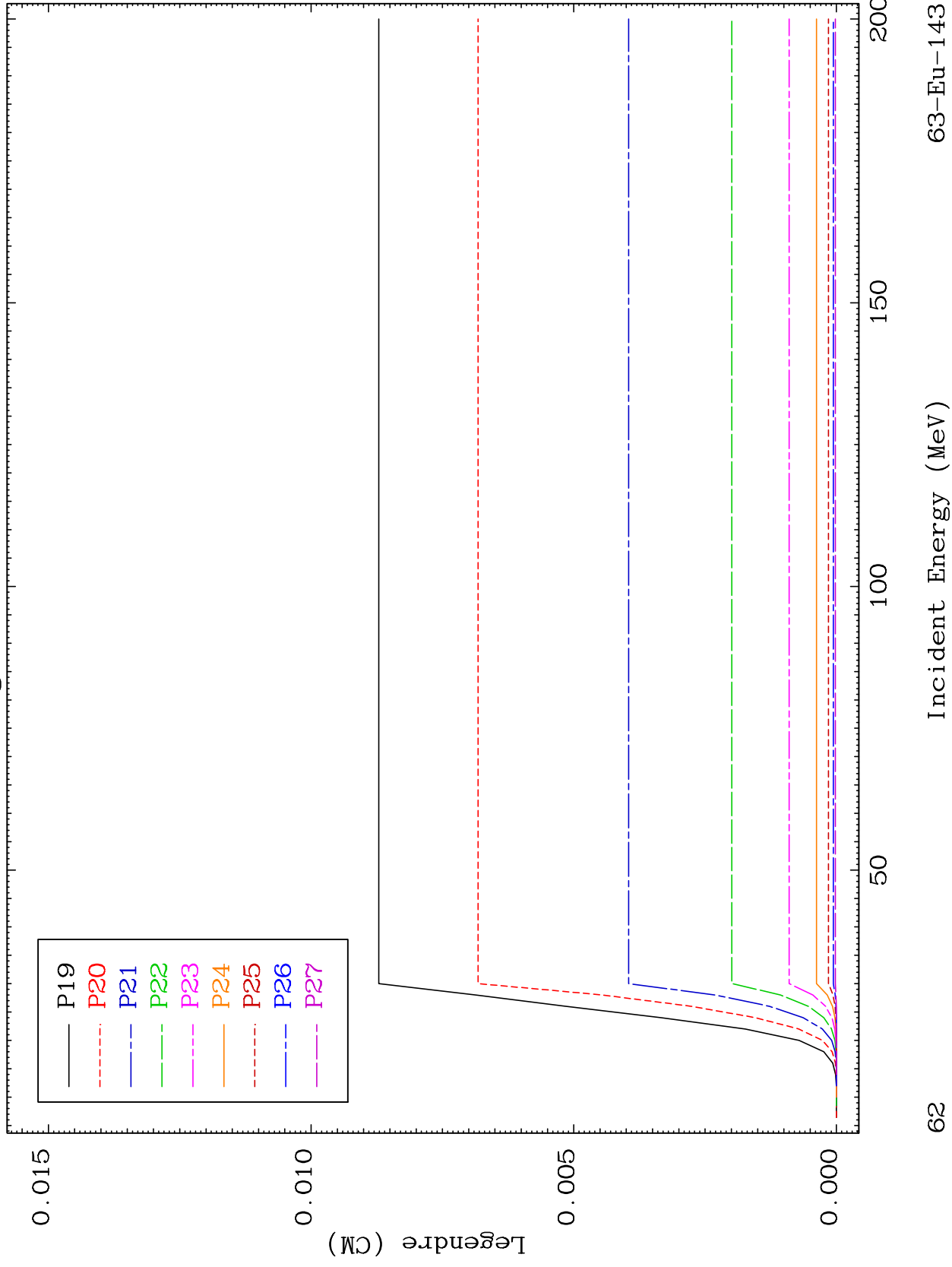
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



63-Eu-143

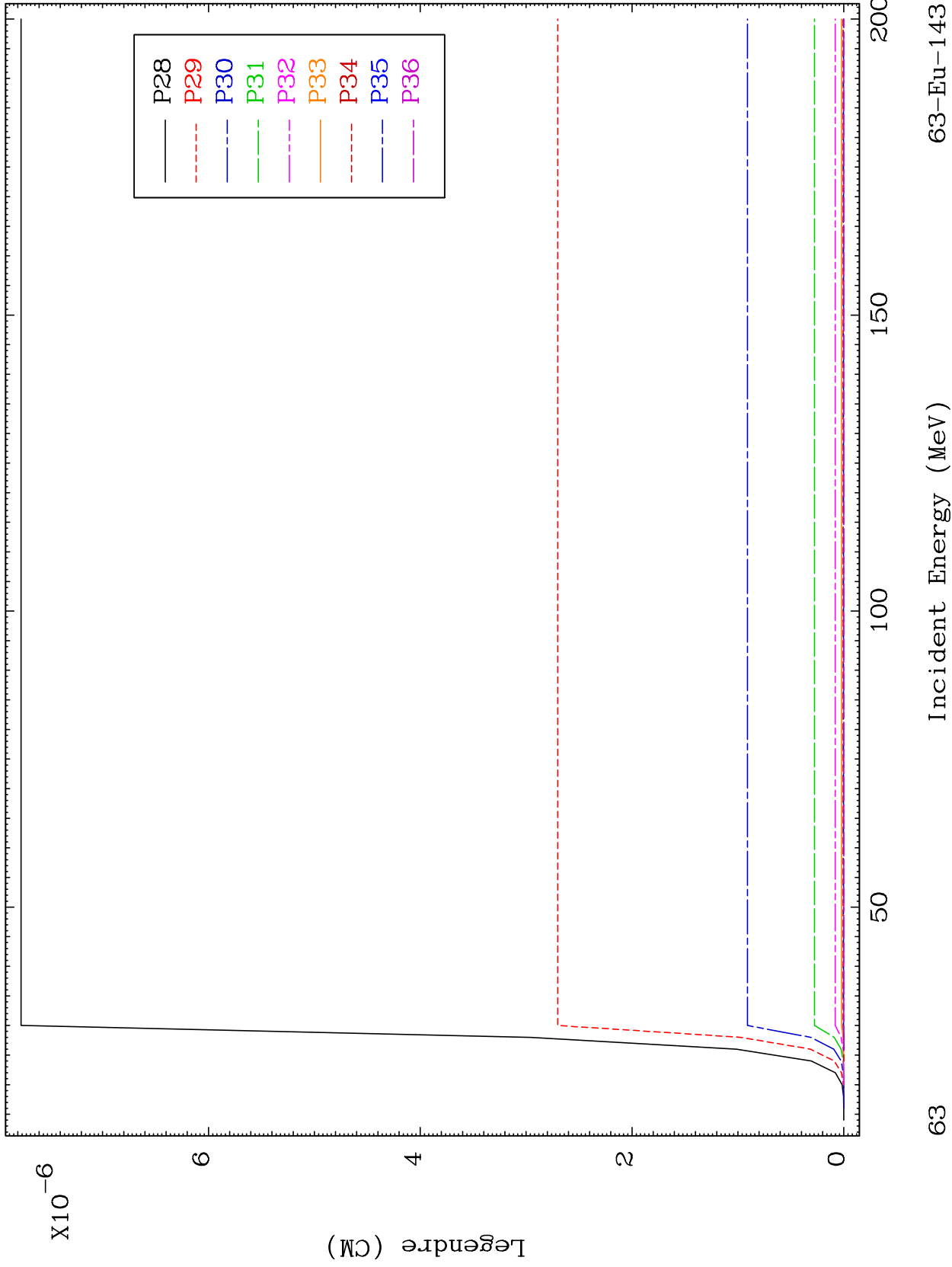
Incident Energy (MeV)

62

MAT 6301

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

63-Eu-143



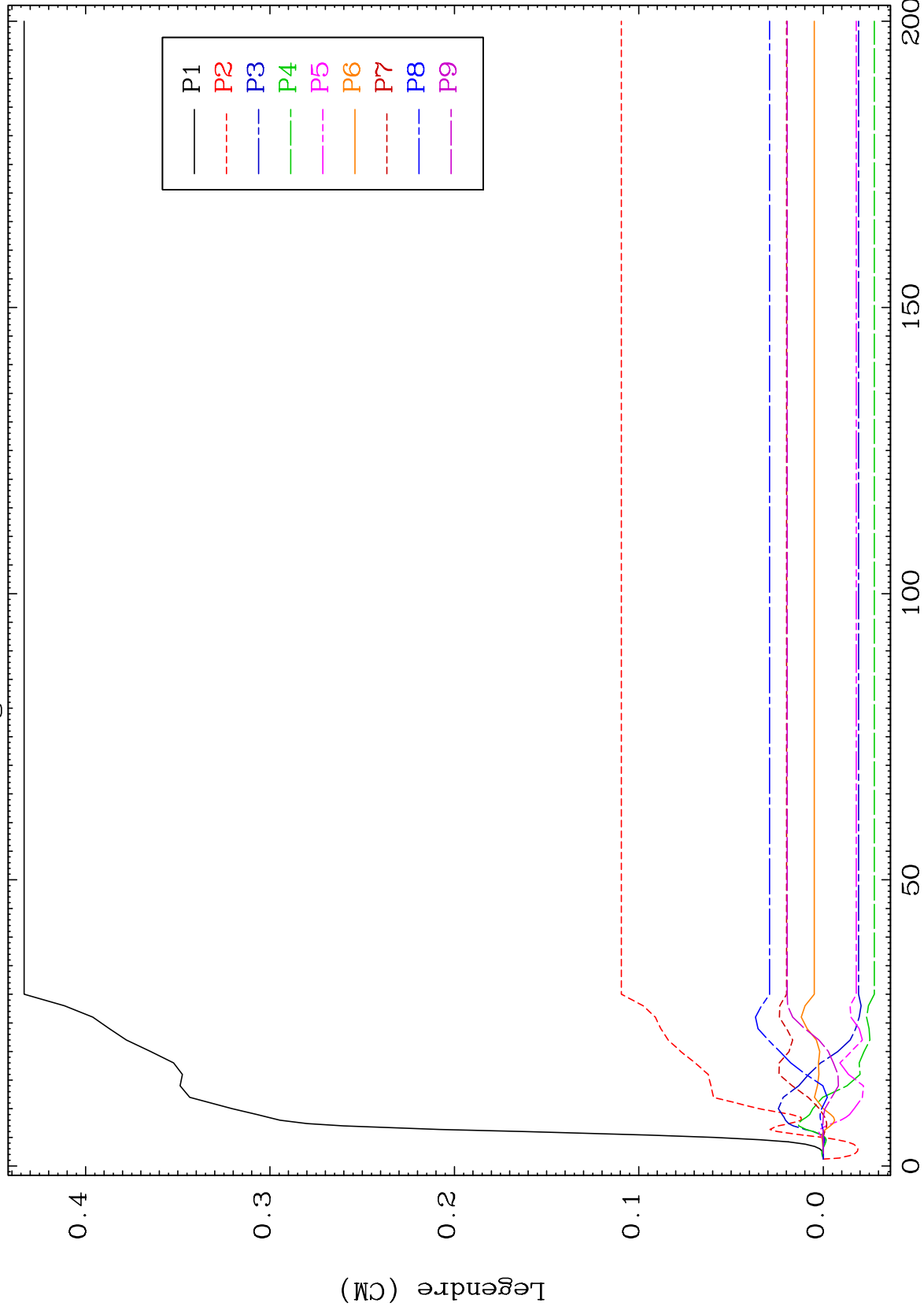
63

63-Eu-143

MAT 6301

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

63-Eu-143



64

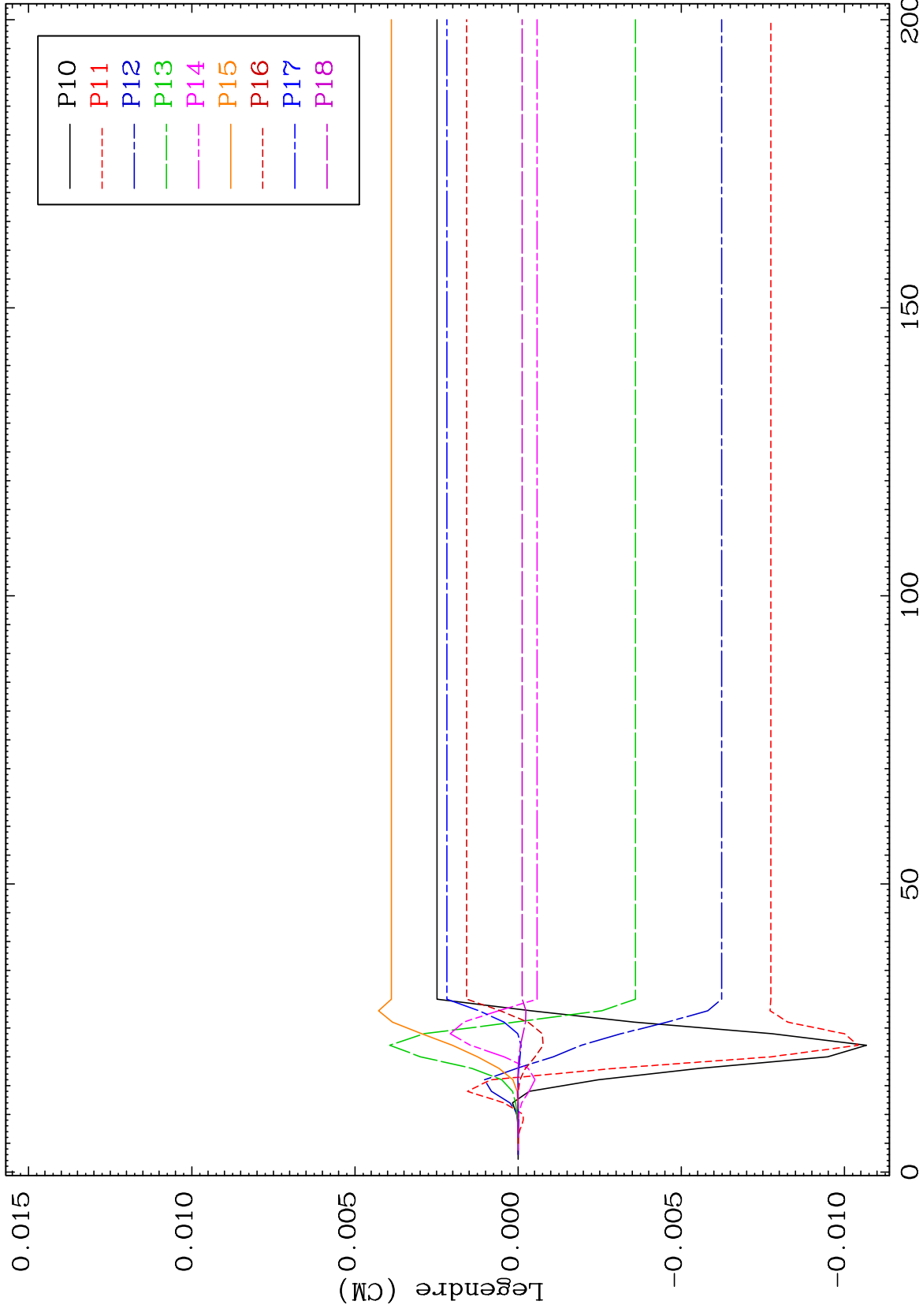
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



65

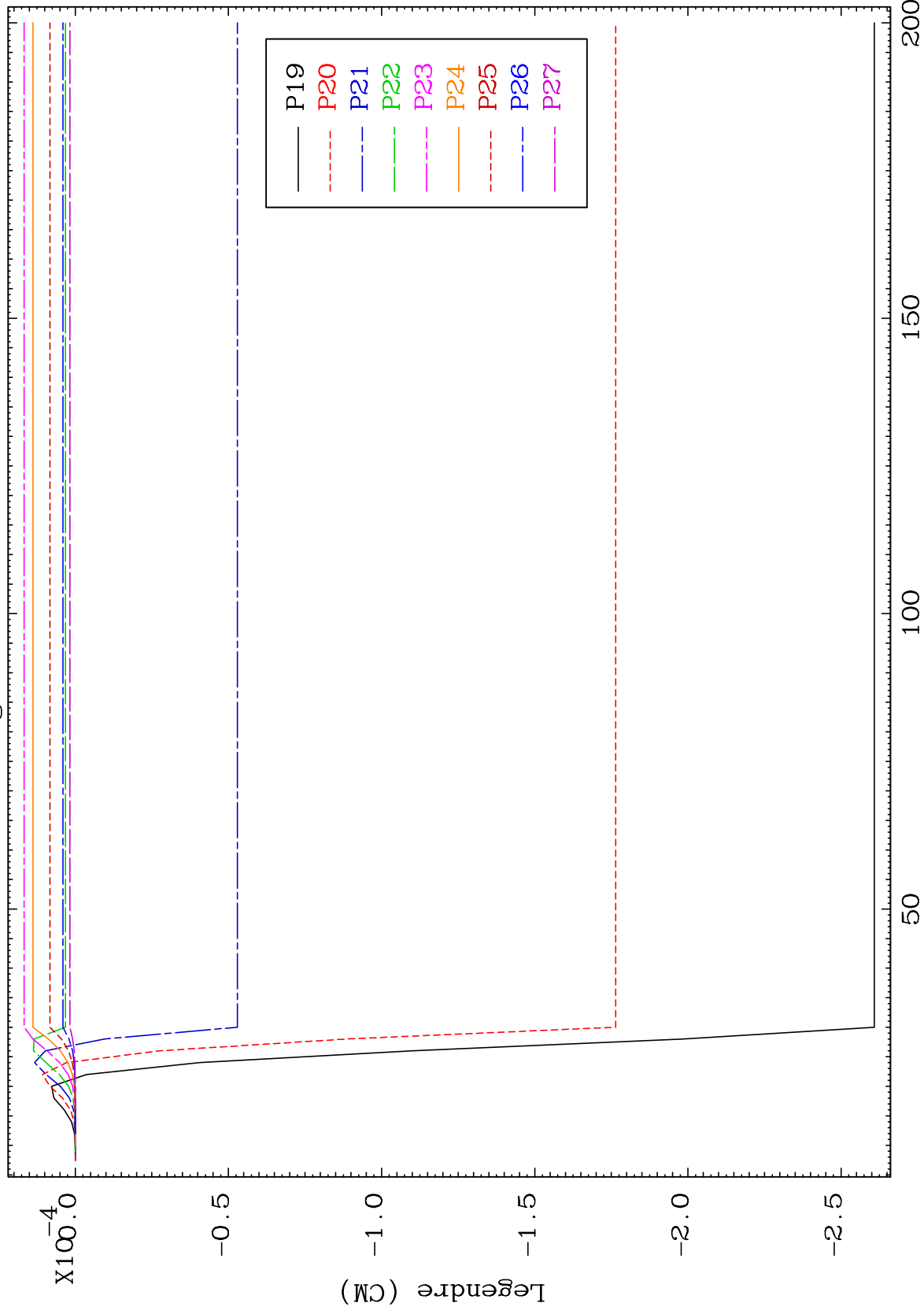
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



66

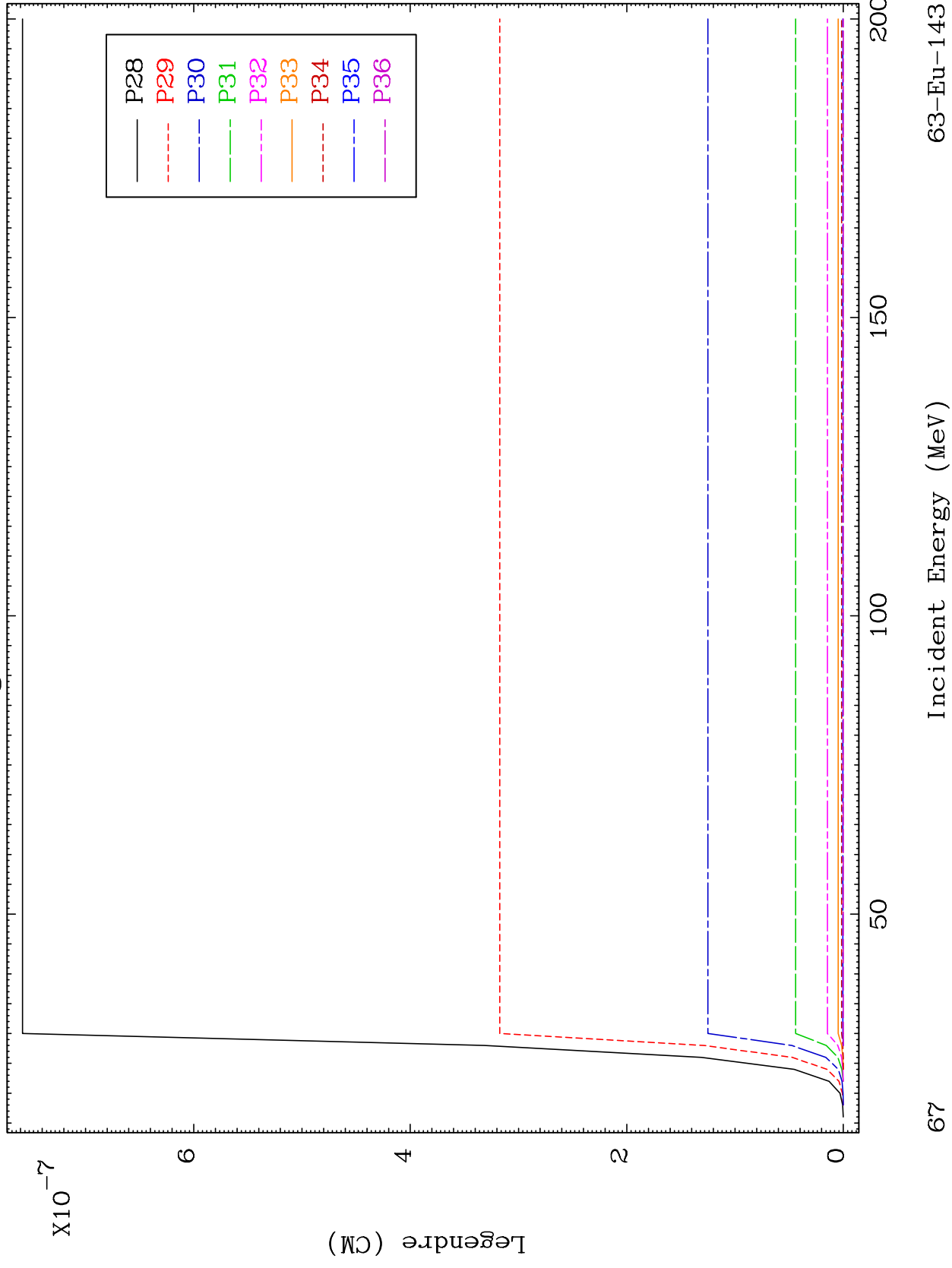
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

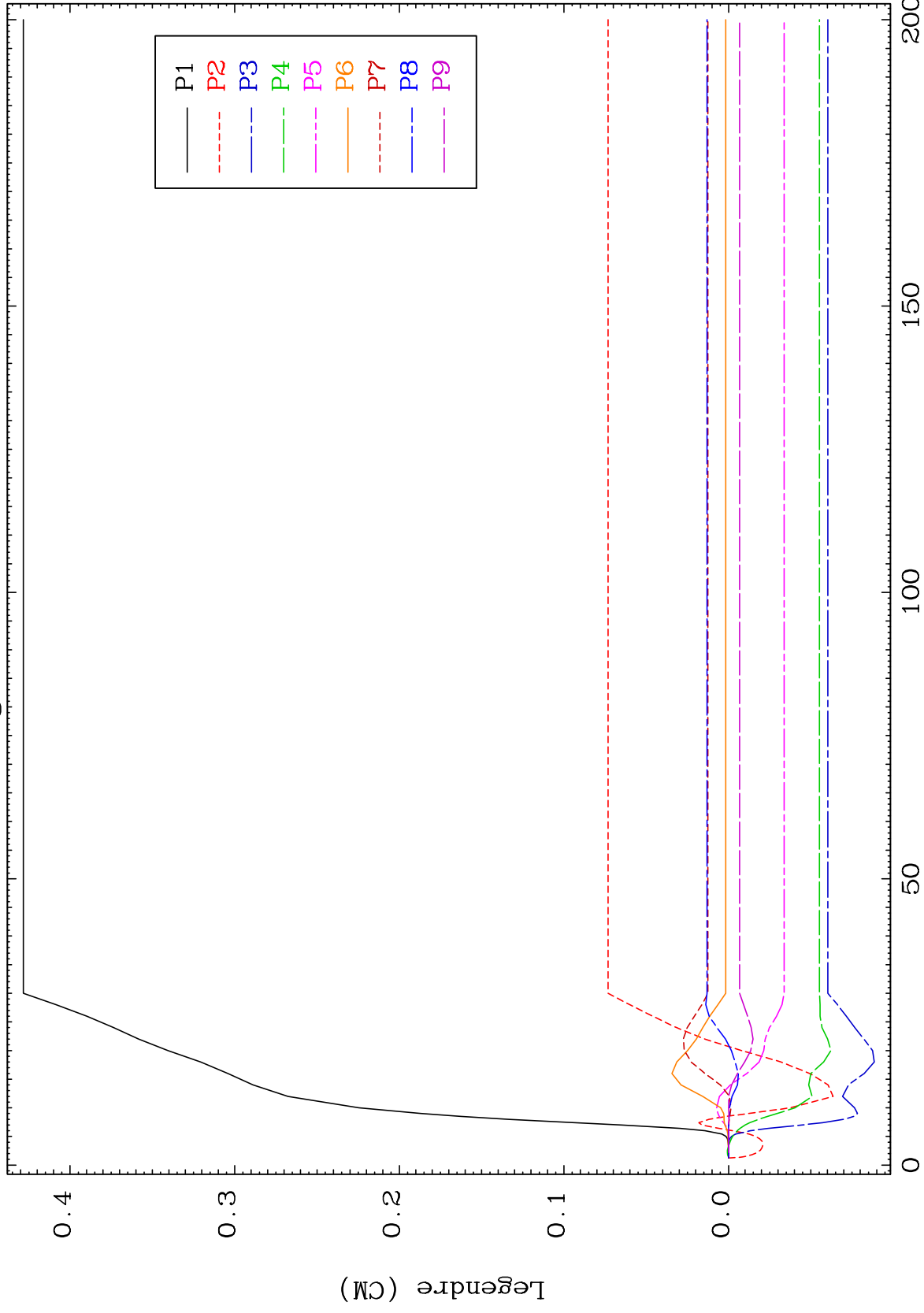
63-Eu-143



MAT 6301

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

63-Eu-143



63-Eu-143

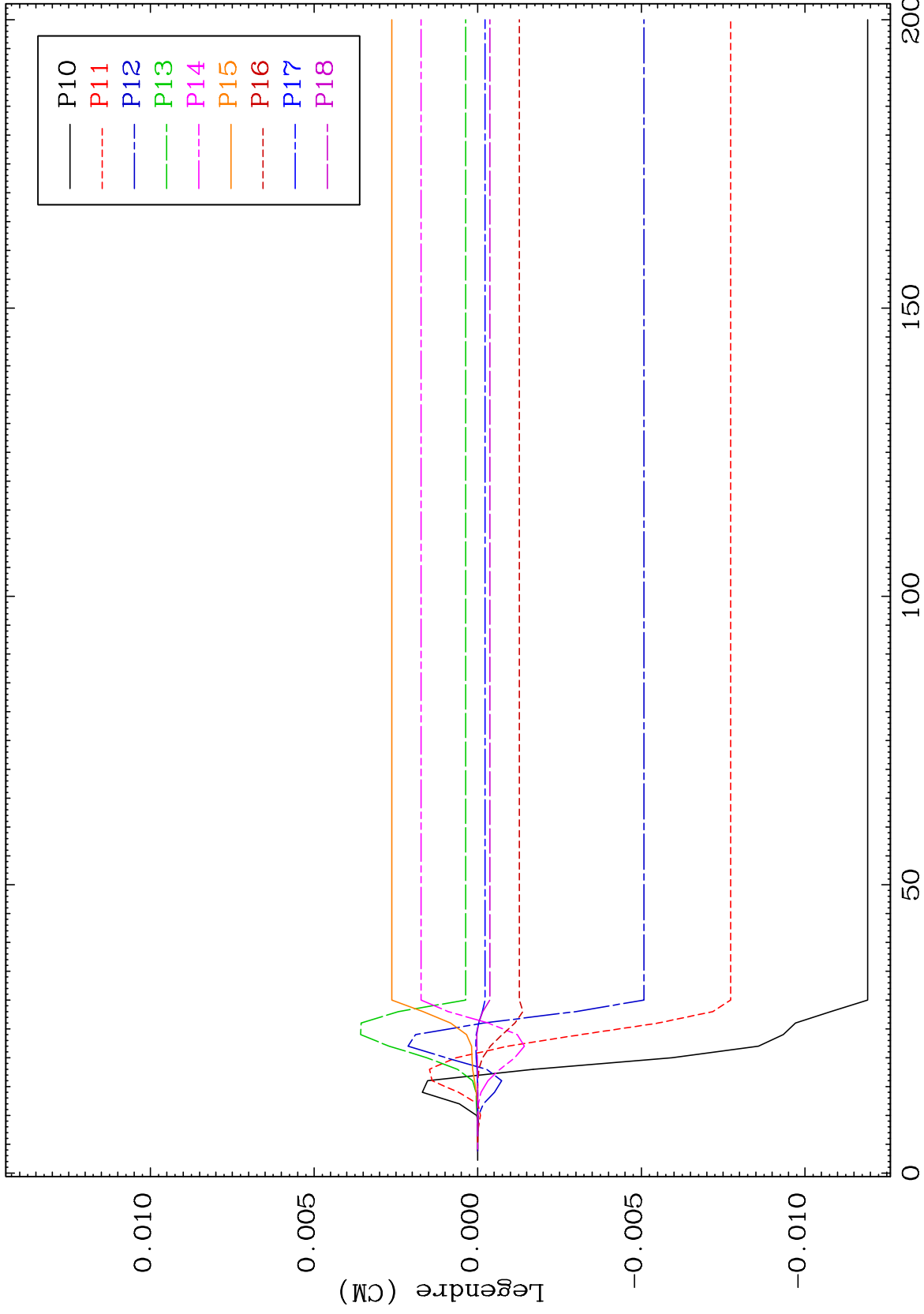
Incident Energy (MeV)

68

MAT 6301

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

63-Eu-143



69

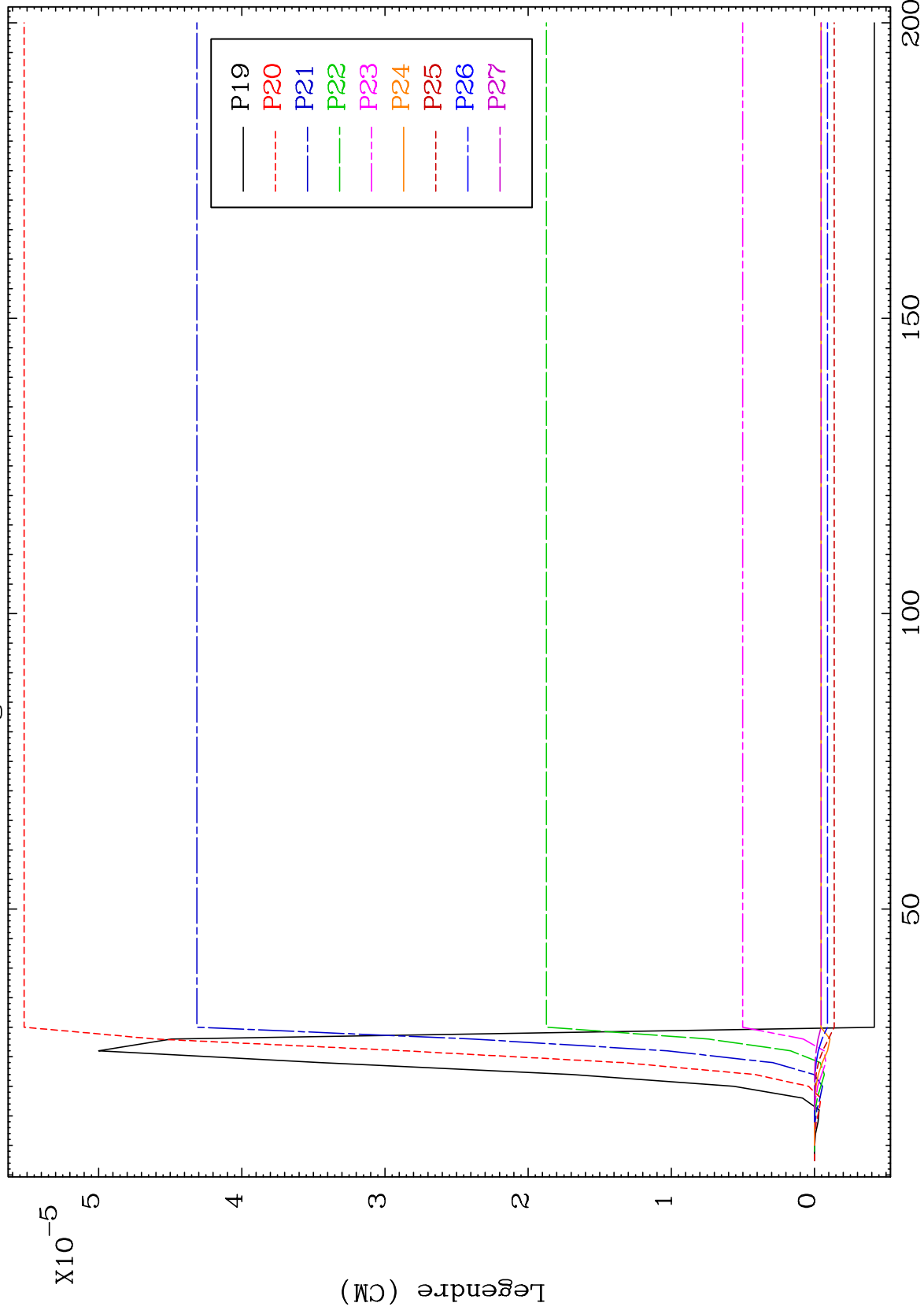
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



70

Incident Energy (MeV)

50

100

150

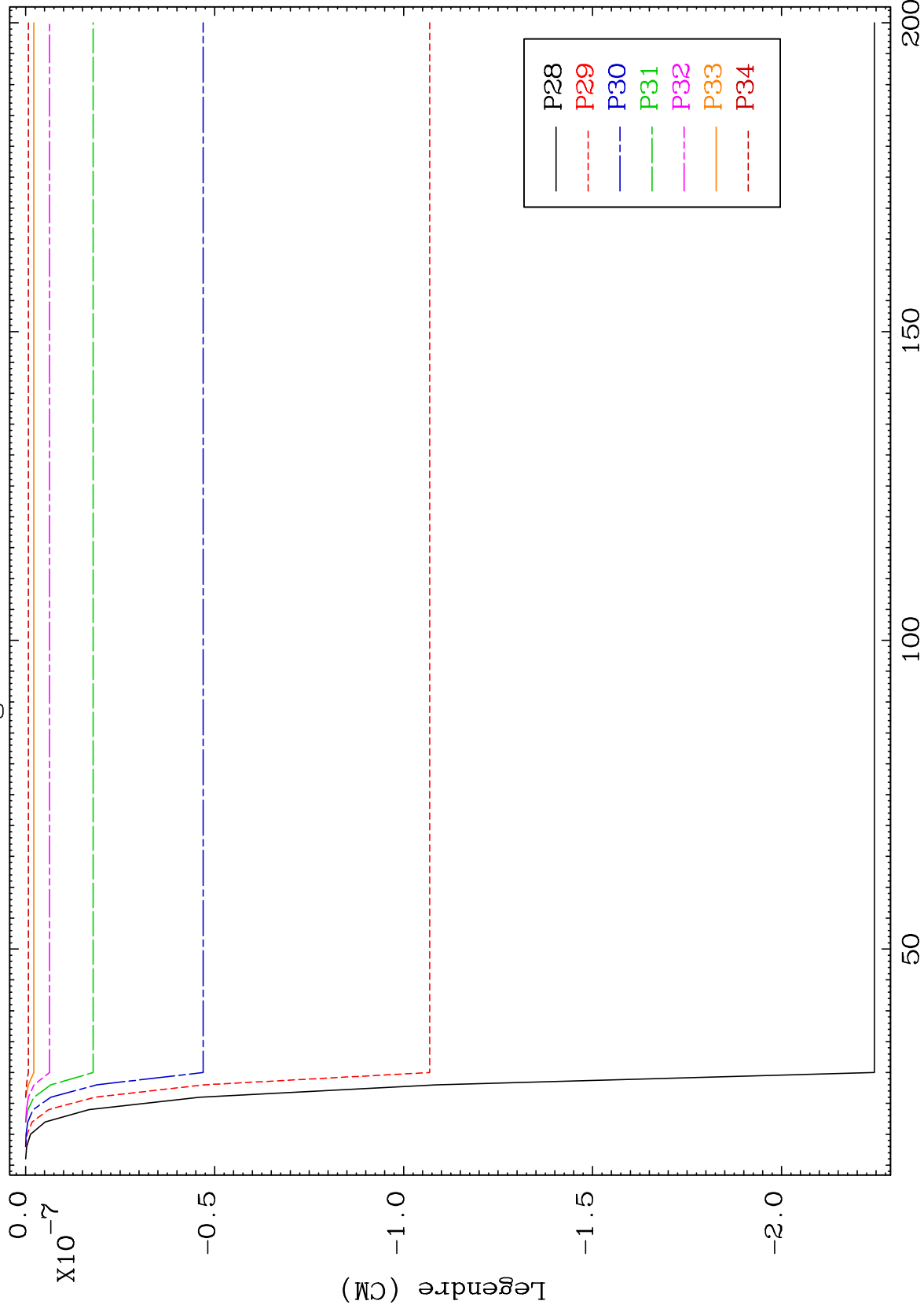
200

63-Eu-143

MAT 6301

63-Eu-143

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



71

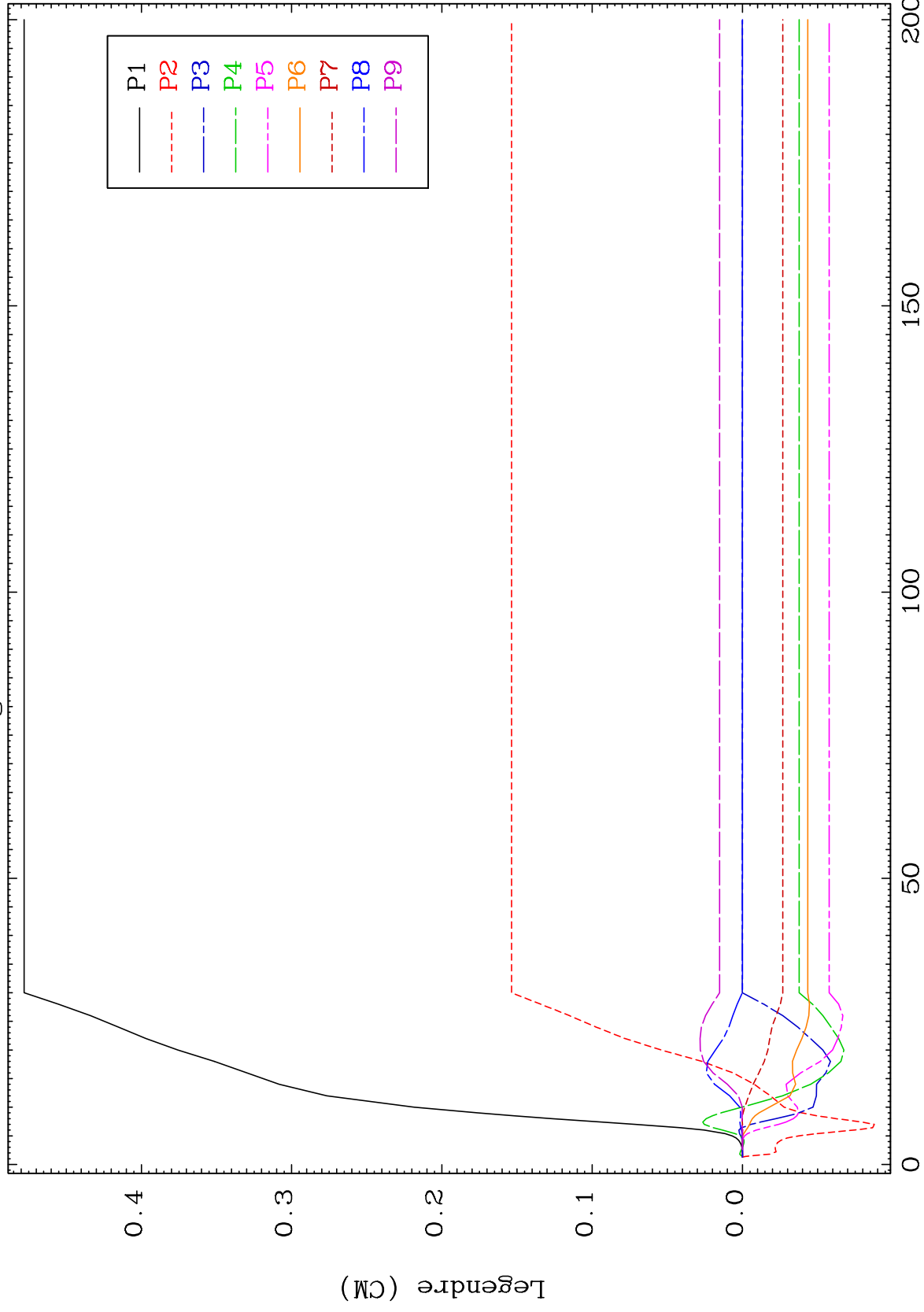
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



63-Eu-143

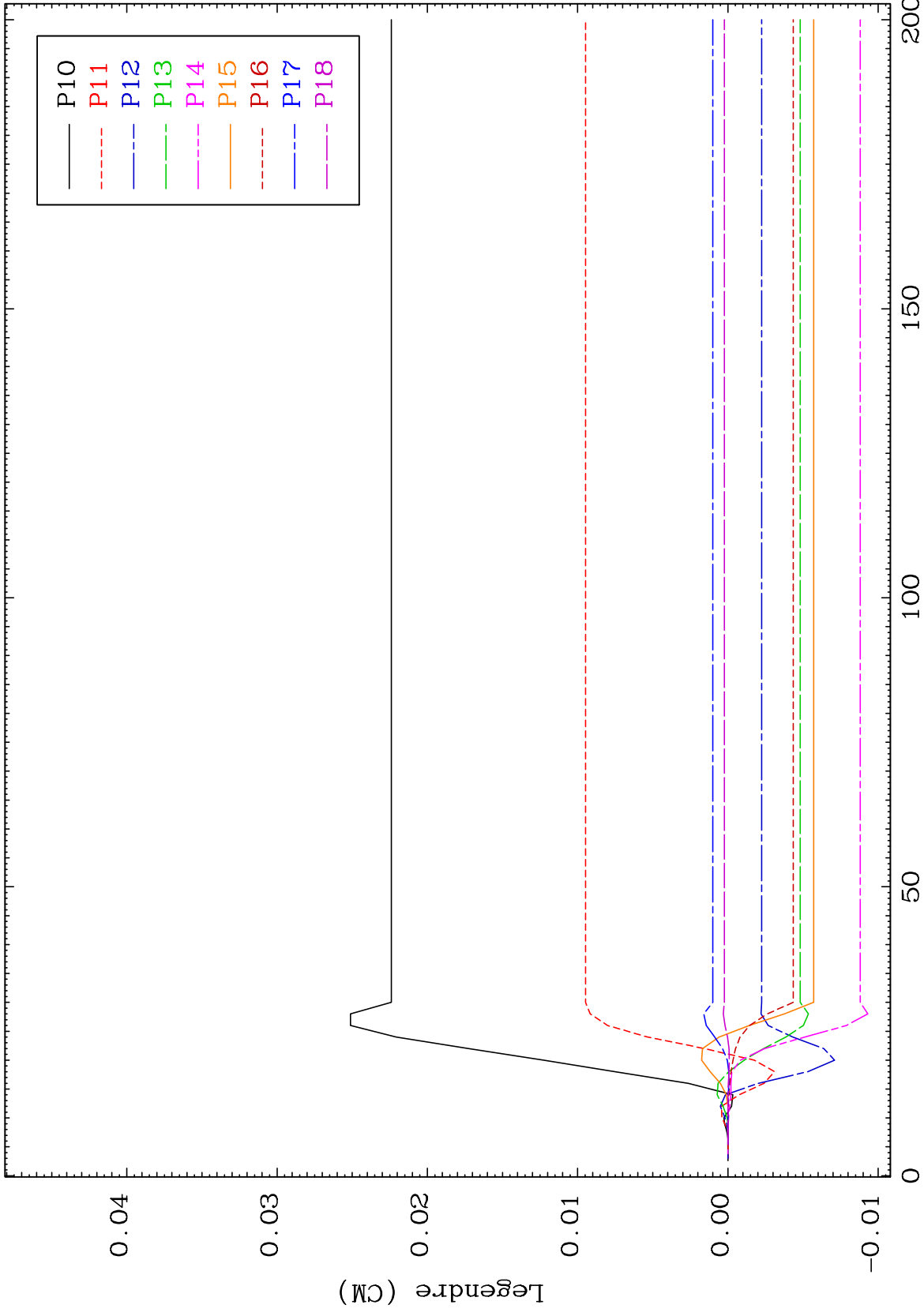
Incident Energy (MeV)

72

MAT 6301

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

63-Eu-143



73

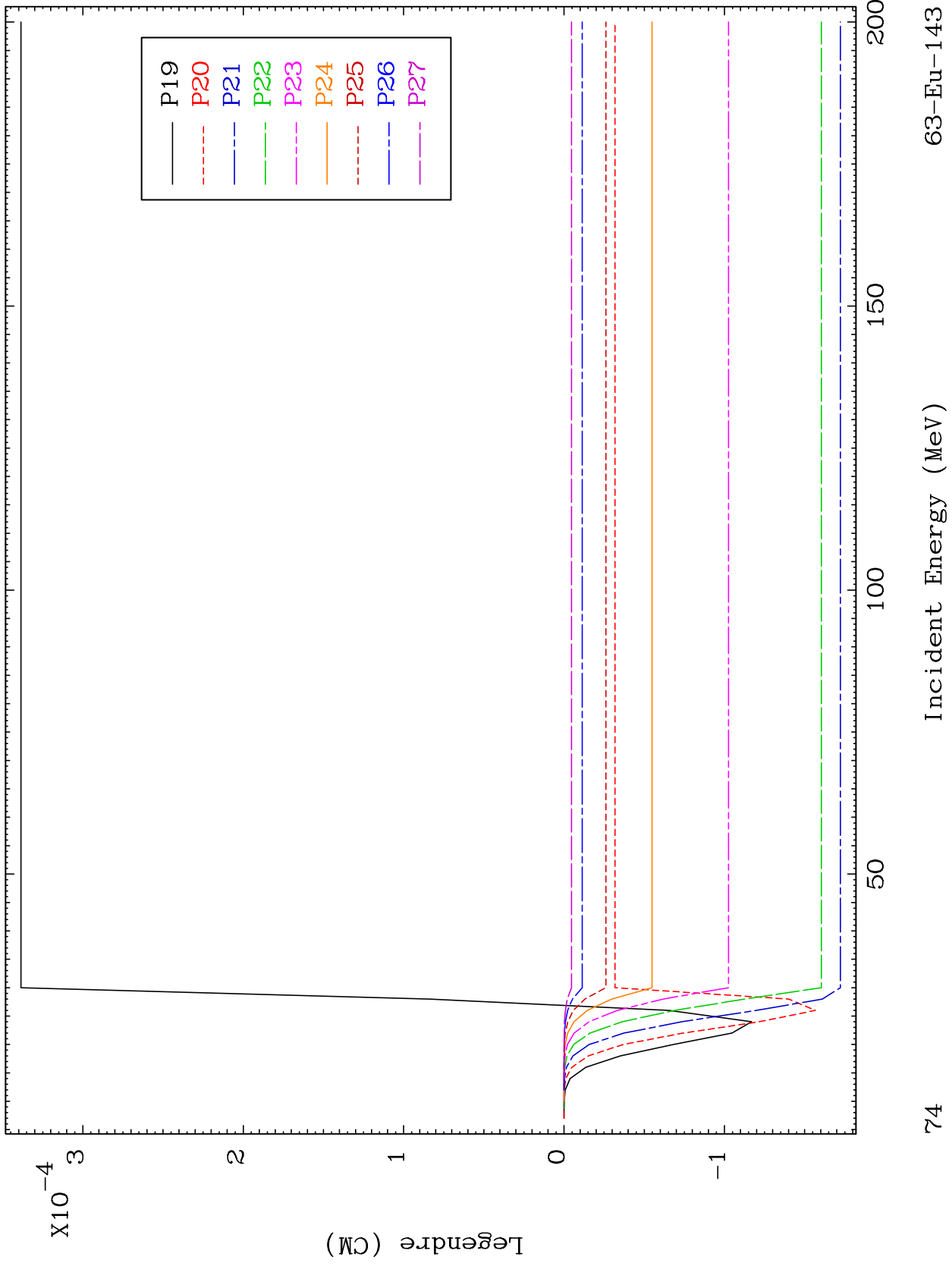
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

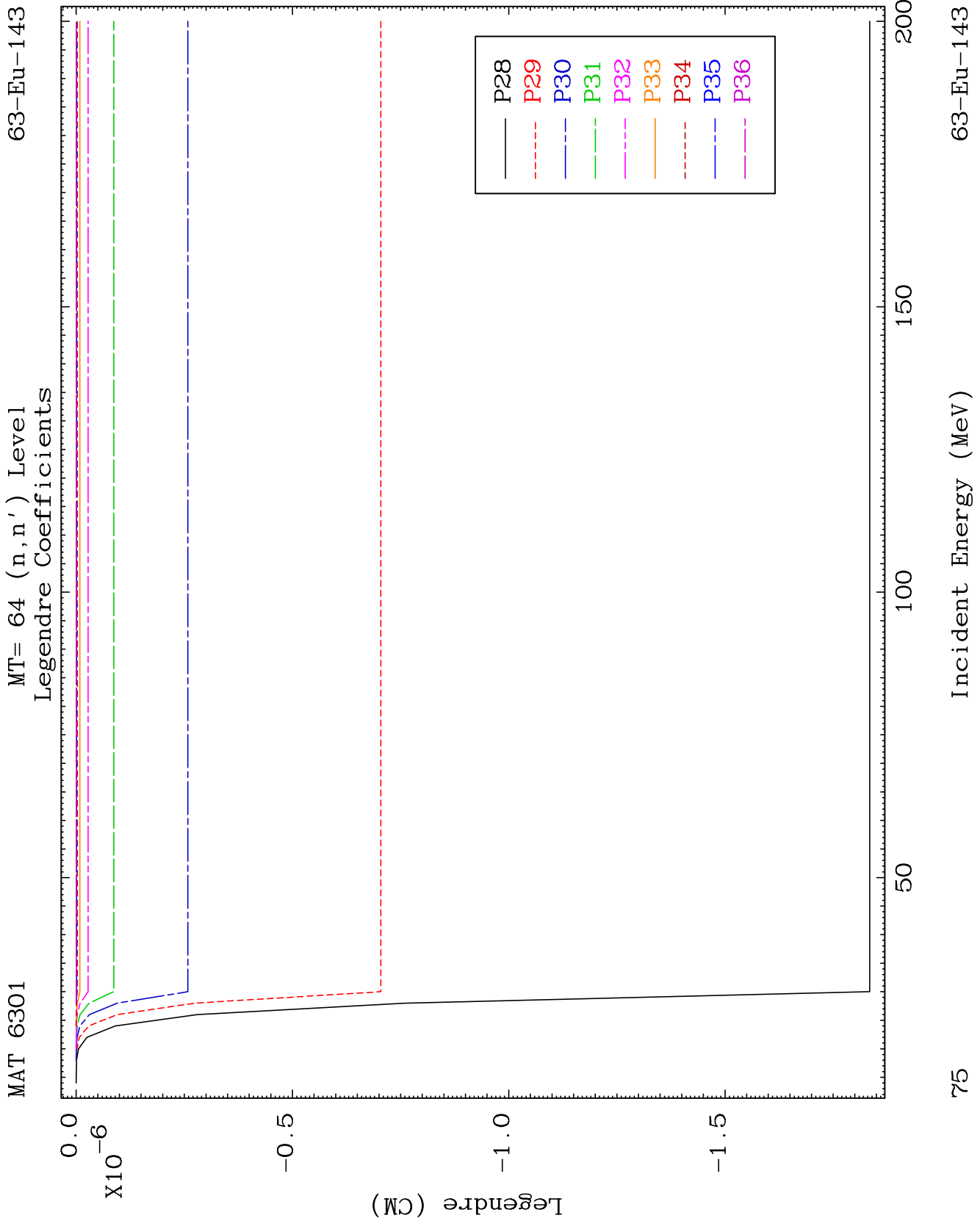
63-Eu-143



74

Incident Energy (MeV)

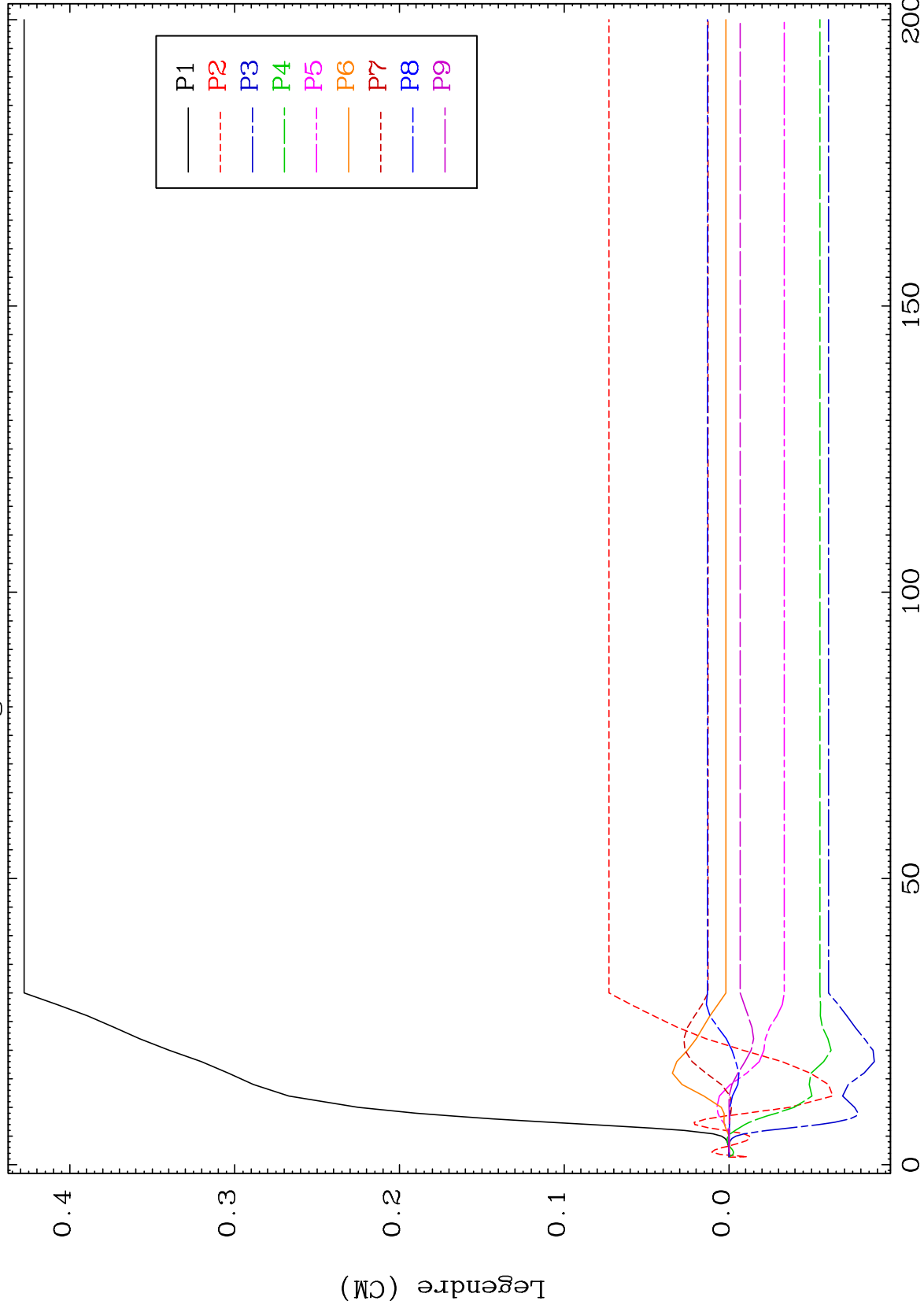
63-Eu-143



MAT 6301

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

63-Eu-143



76

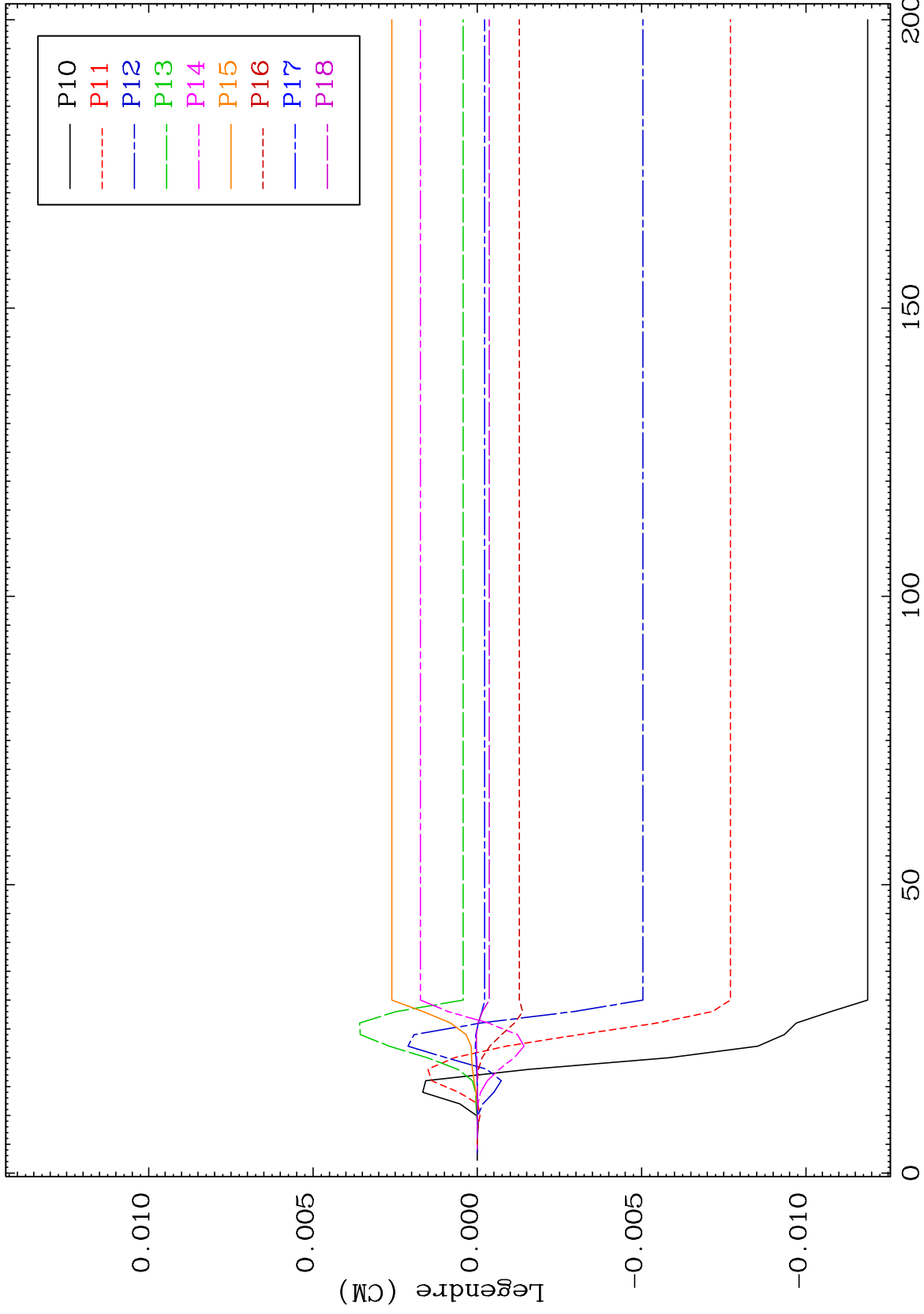
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



77

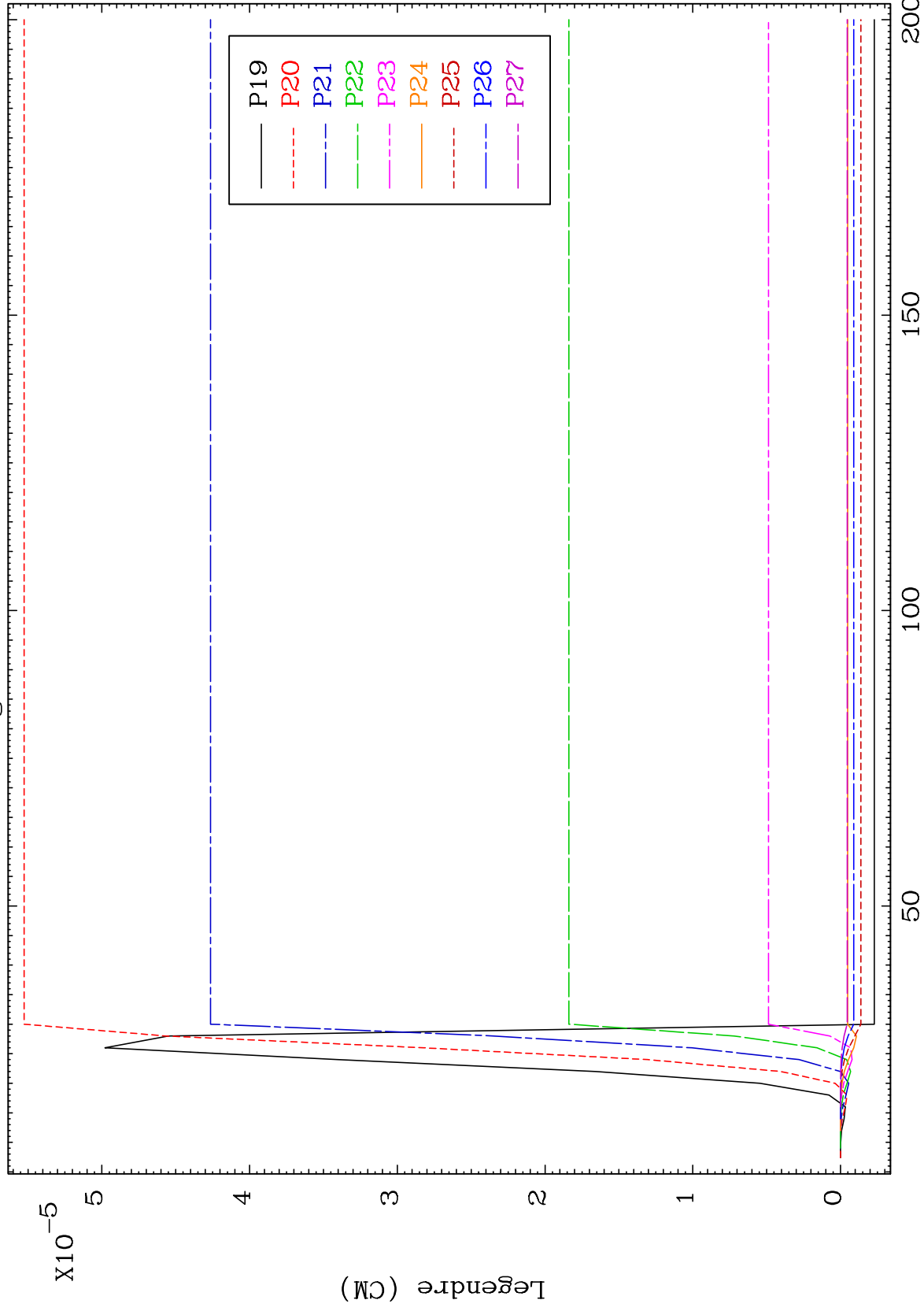
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



78

Incident Energy (MeV)

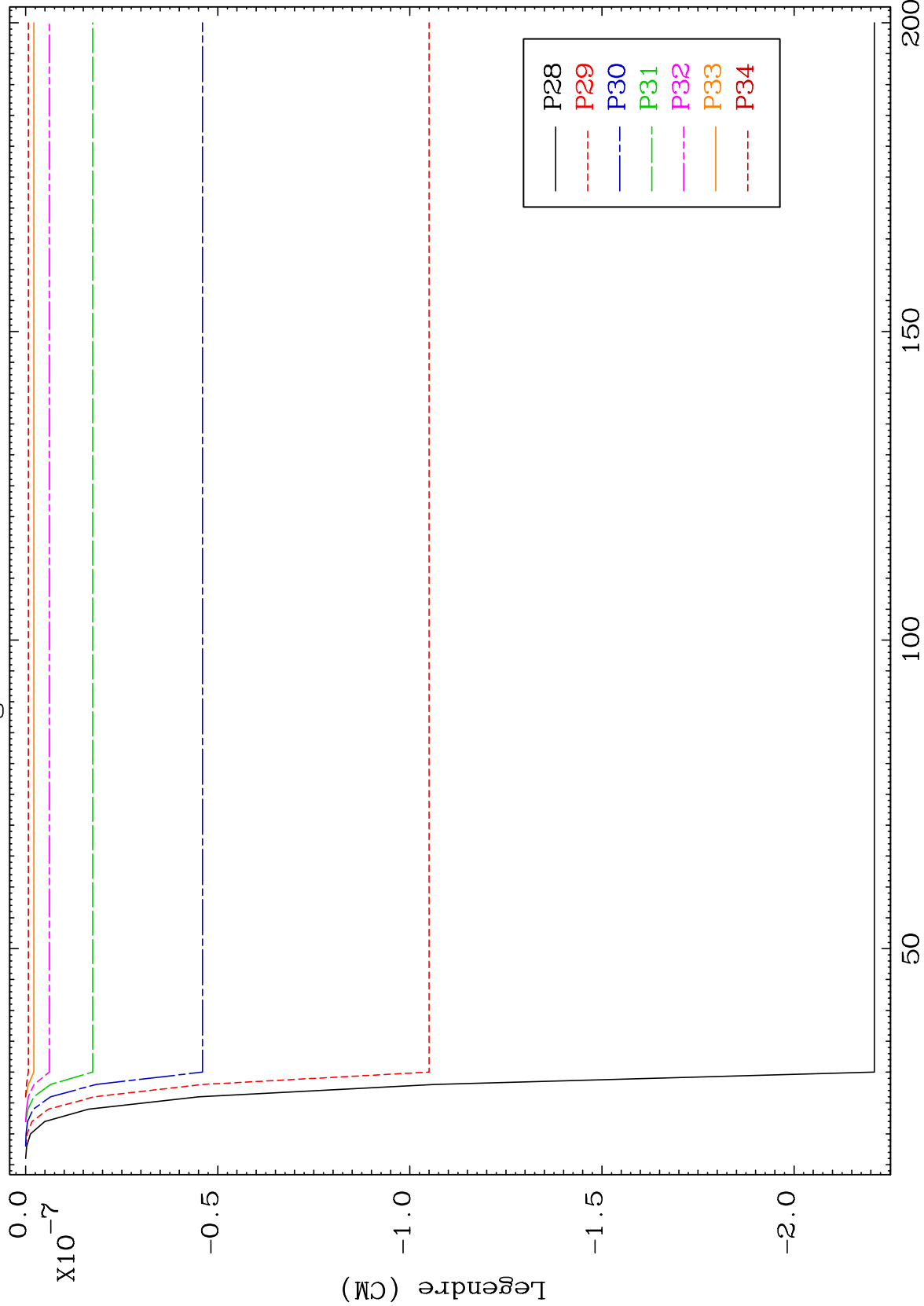
63-Eu-143

MAT 6301

MT= 65 (n,n') Level

63-Eu-143

Legendre Coefficients



63-Eu-143

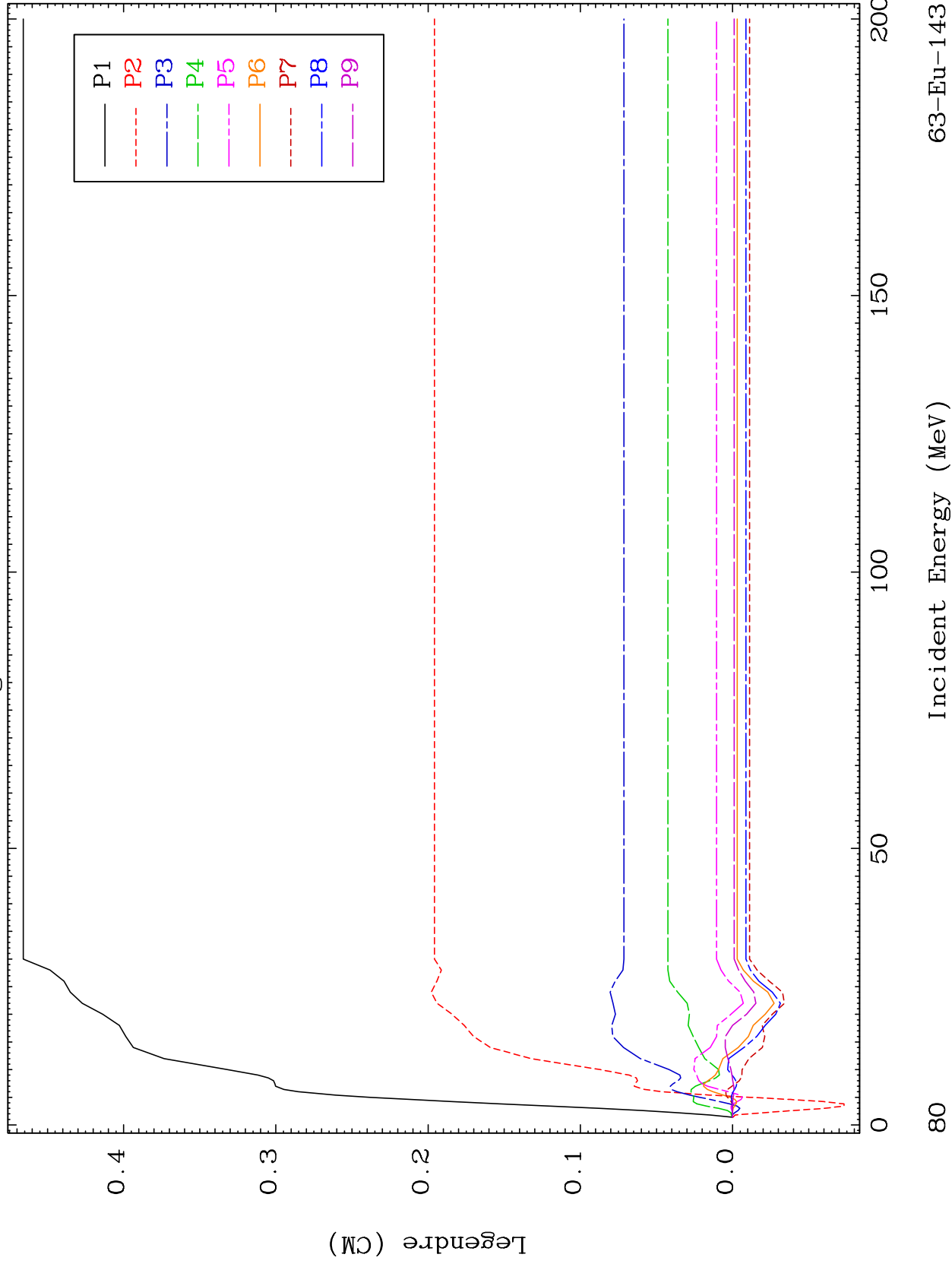
Incident Energy (MeV)

79

MAT 6301

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

63-Eu-143



63-Eu-143

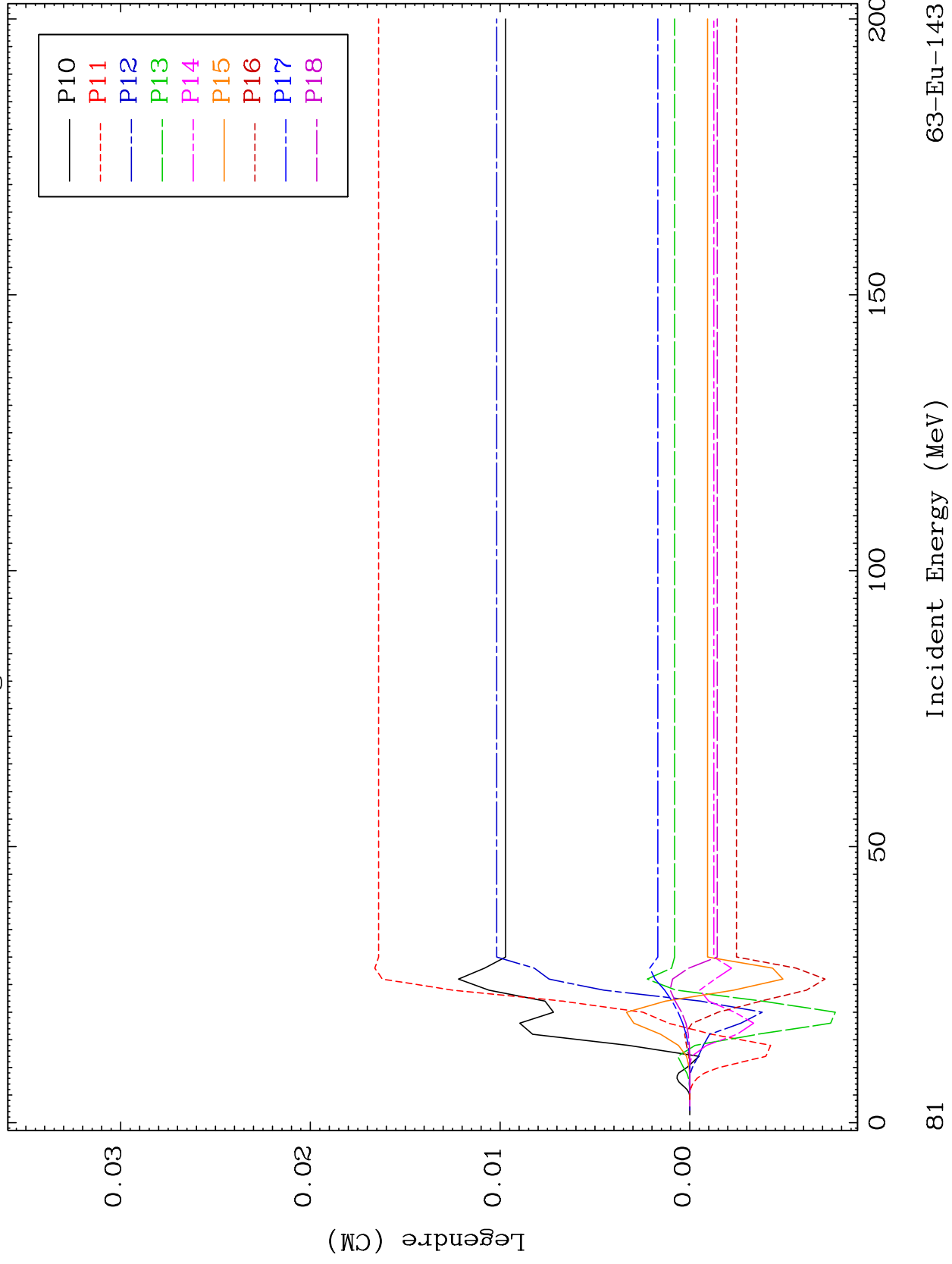
Incident Energy (MeV)

80

MAT 6301

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

63-Eu-143



63-Eu-143

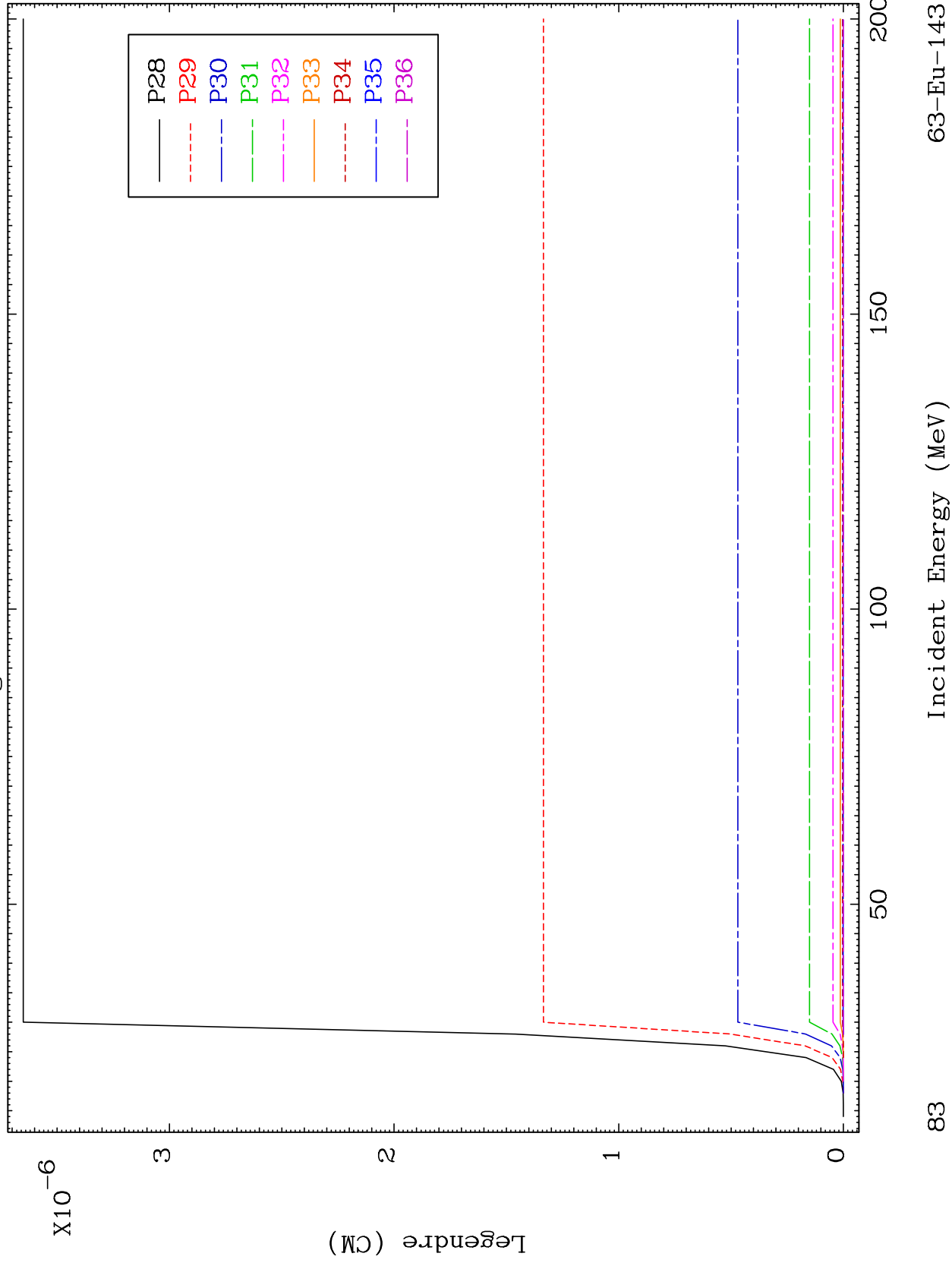
Incident Energy (MeV)

81

MAT 6301

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

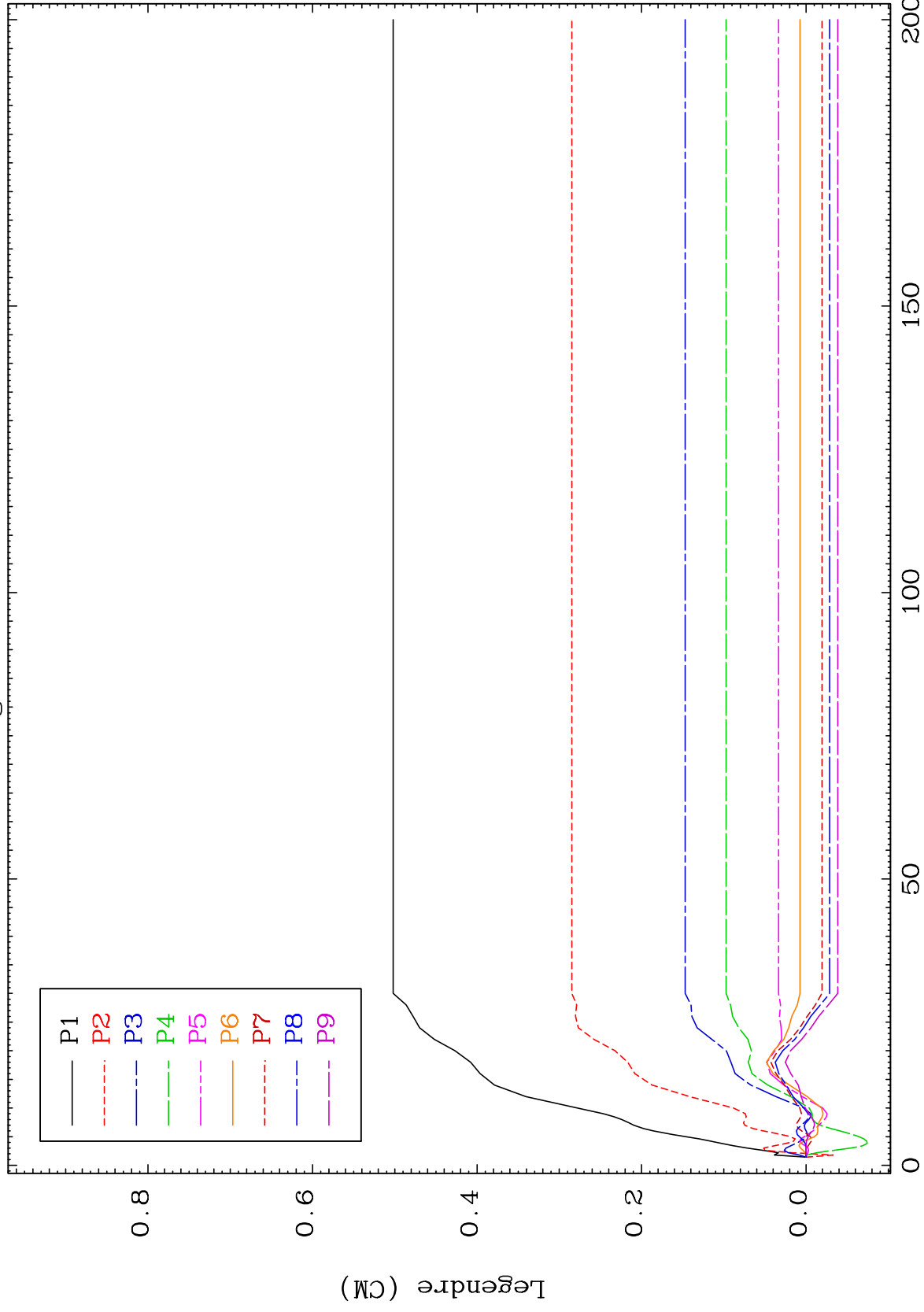
63-Eu-143



MAT 6301

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

63-Eu-143



84

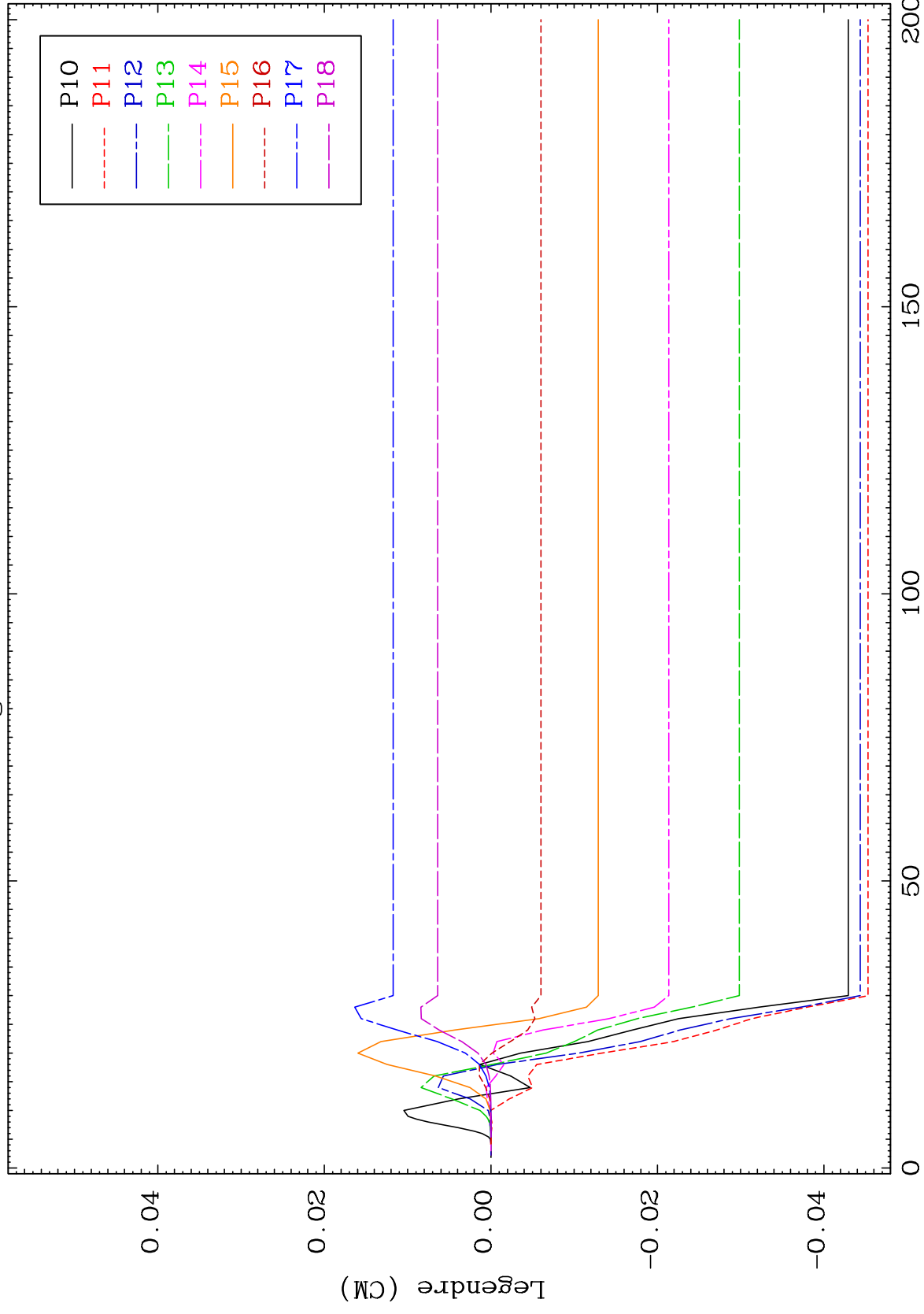
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

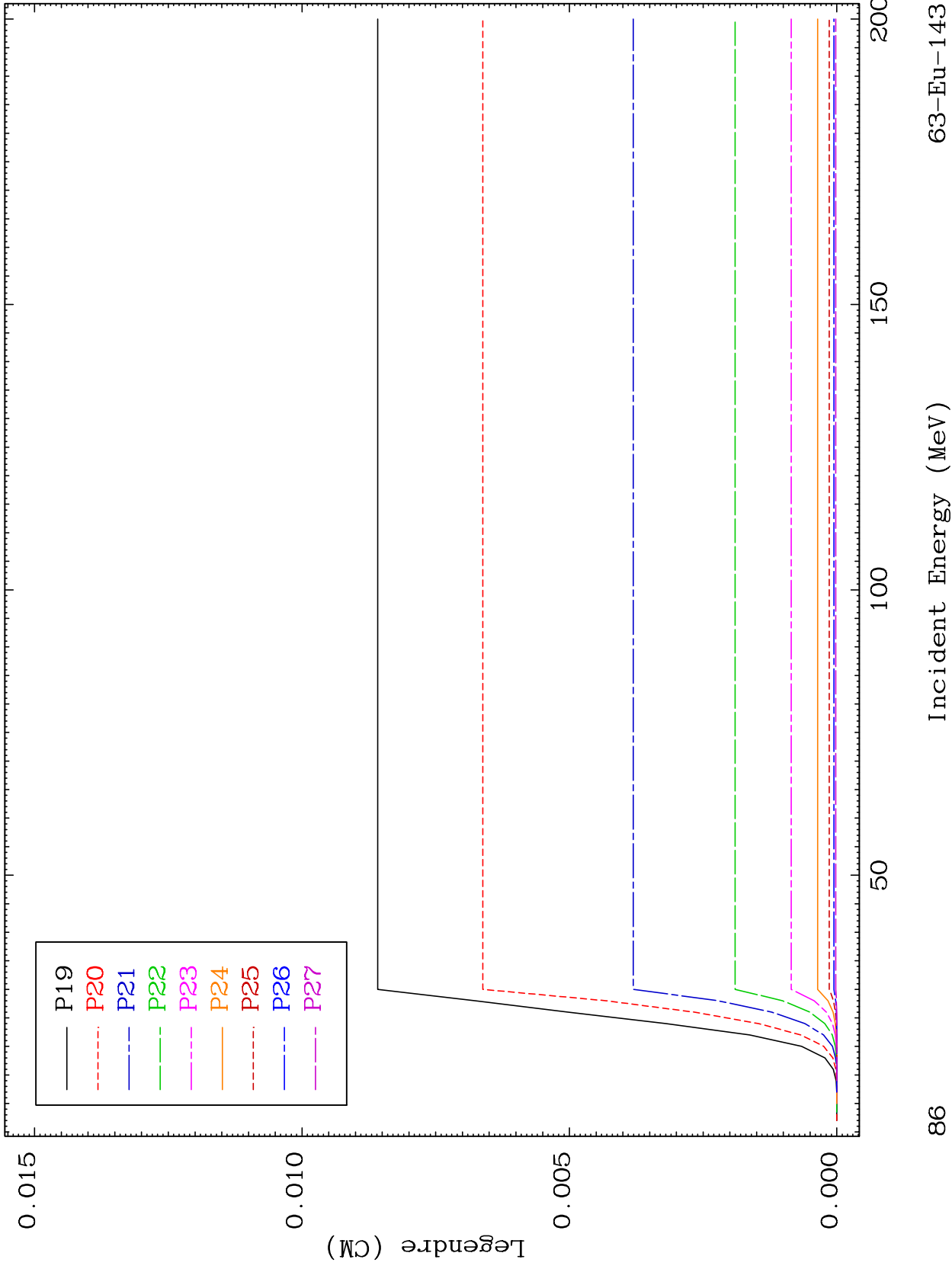
63-Eu-143



85

Incident Energy (MeV)

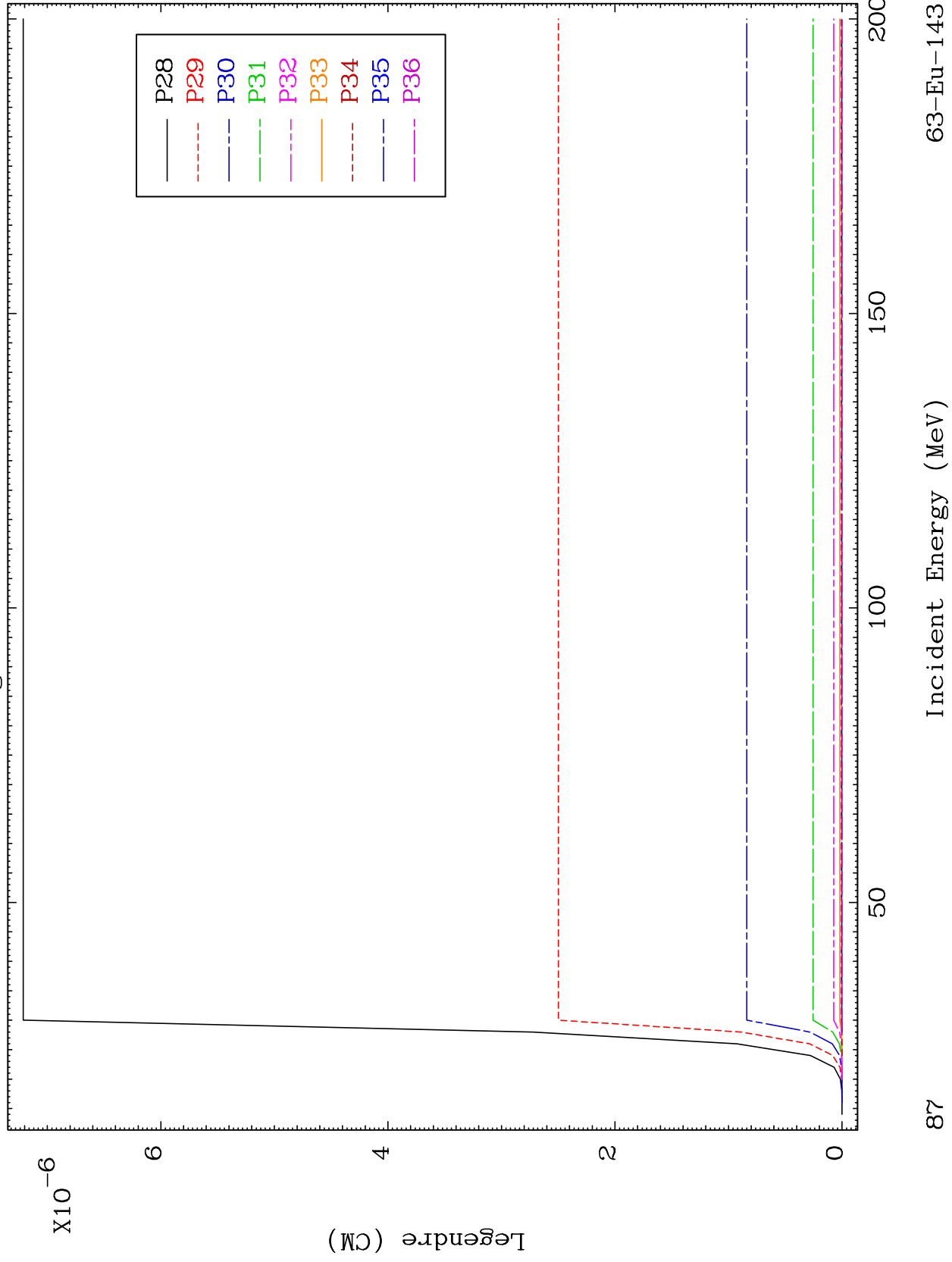
63-Eu-143



MAT 6301

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

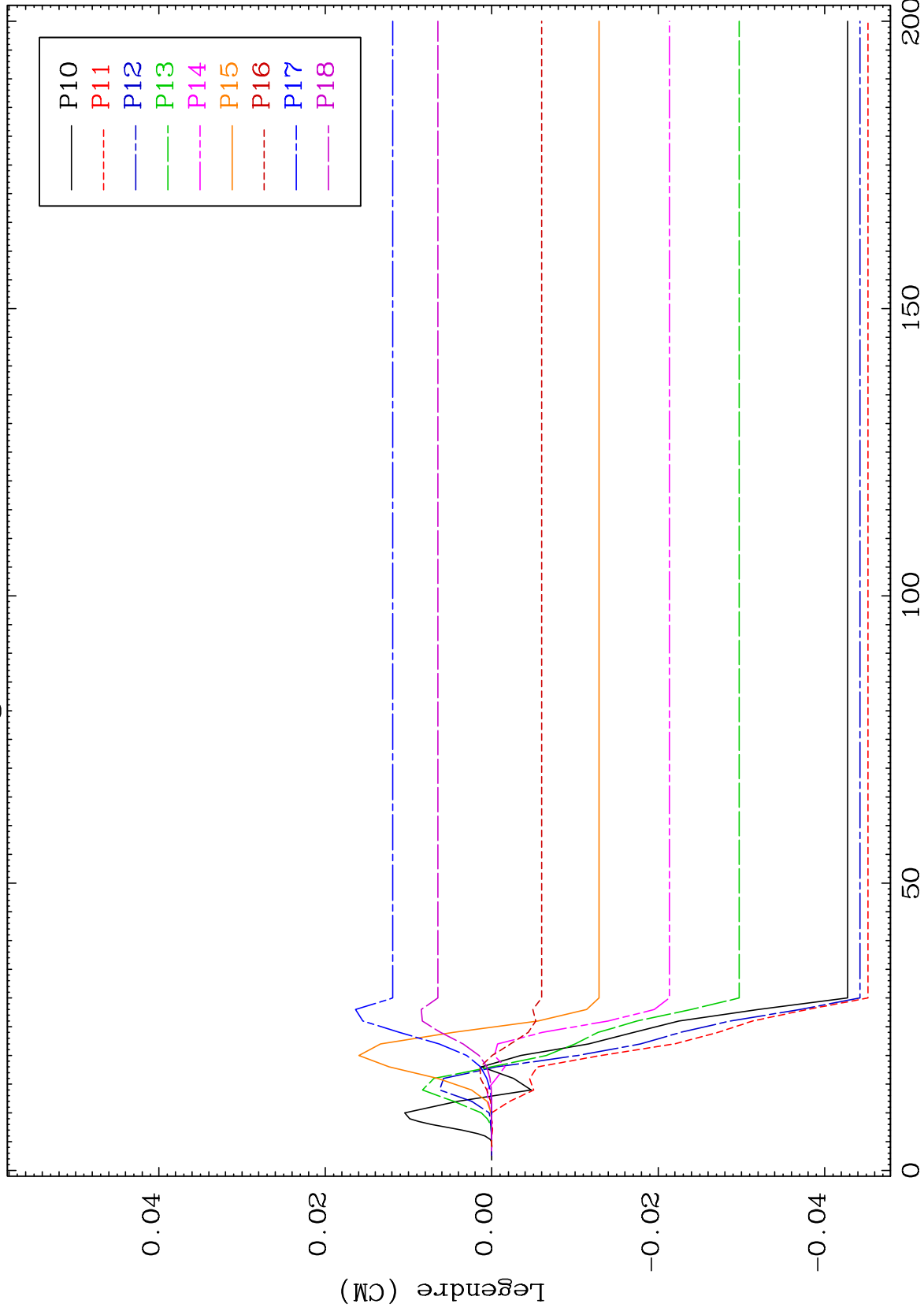
63-Eu-143



MAT 6301

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

63-Eu-143



89

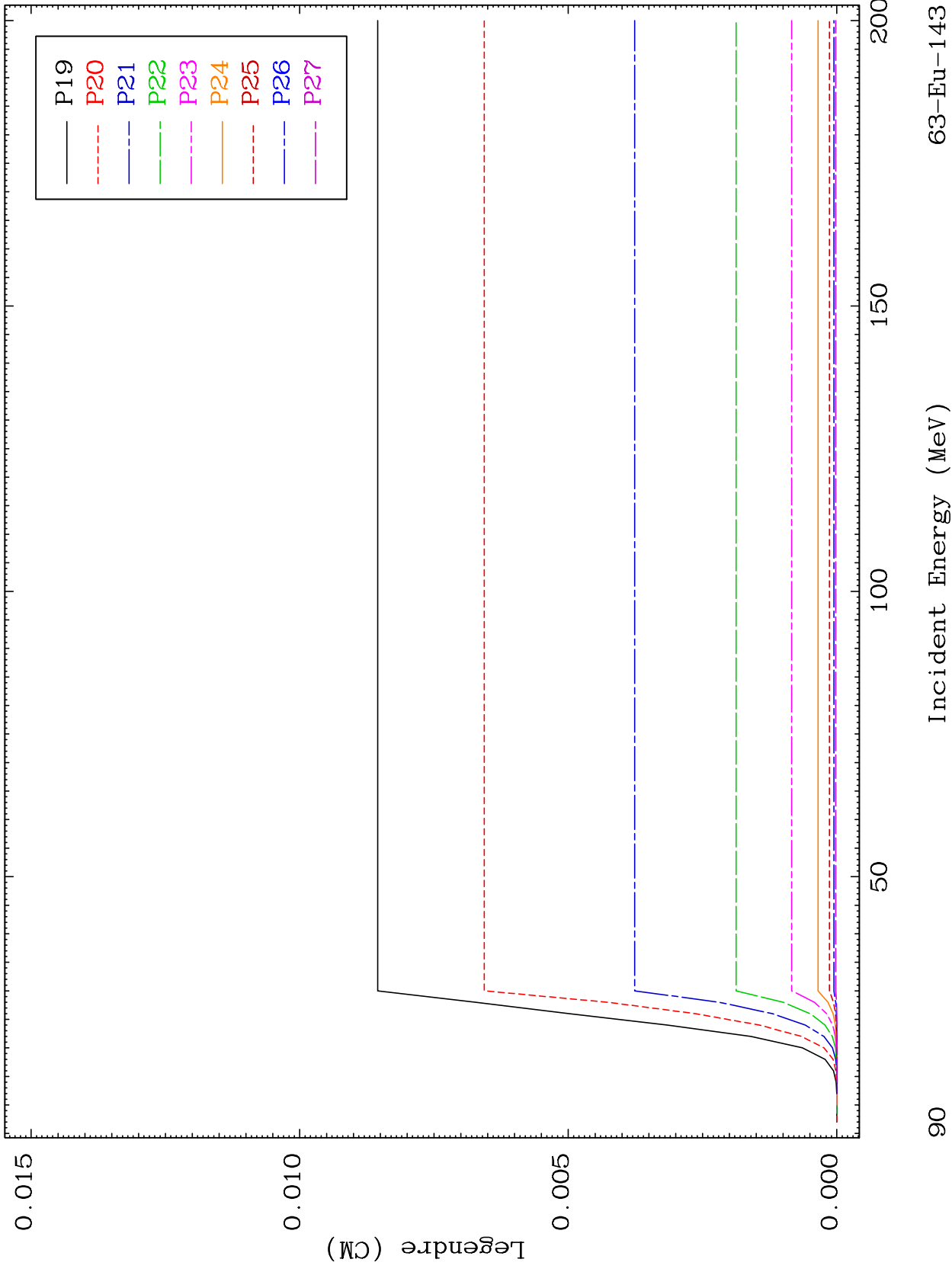
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



63-Eu-143

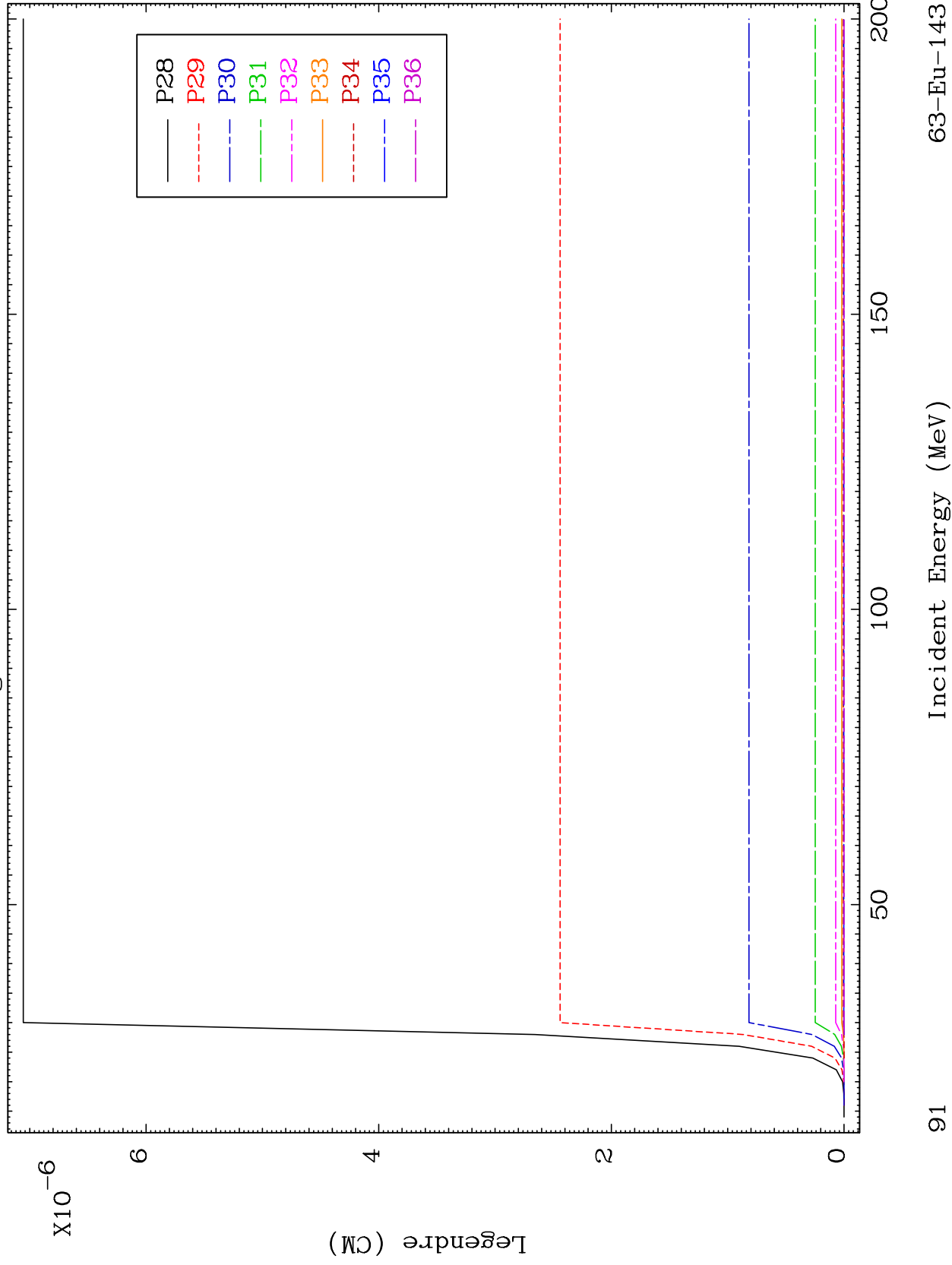
Incident Energy (MeV)

90

MAT 6301

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

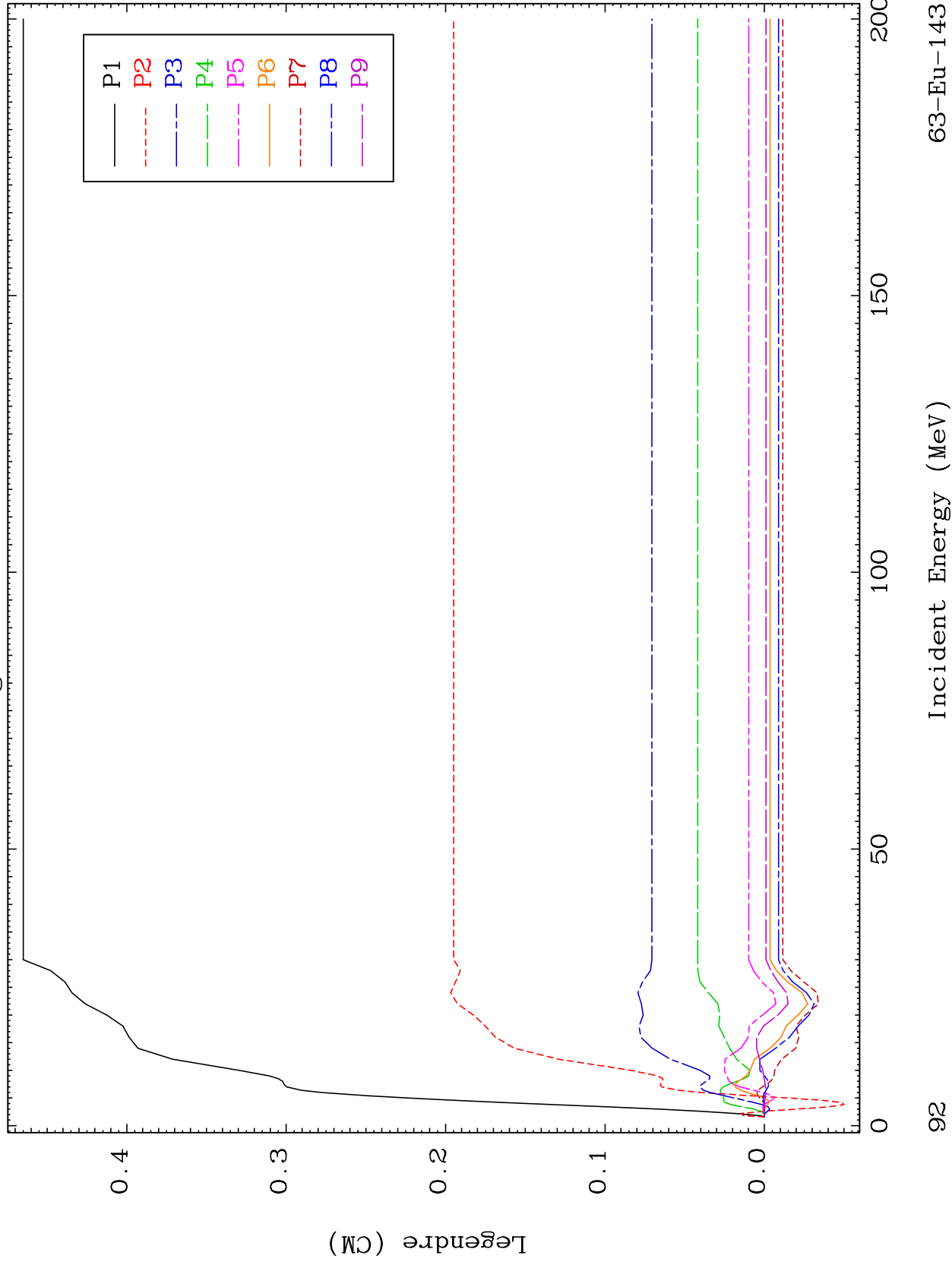
63-Eu-143



MAT 6301

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

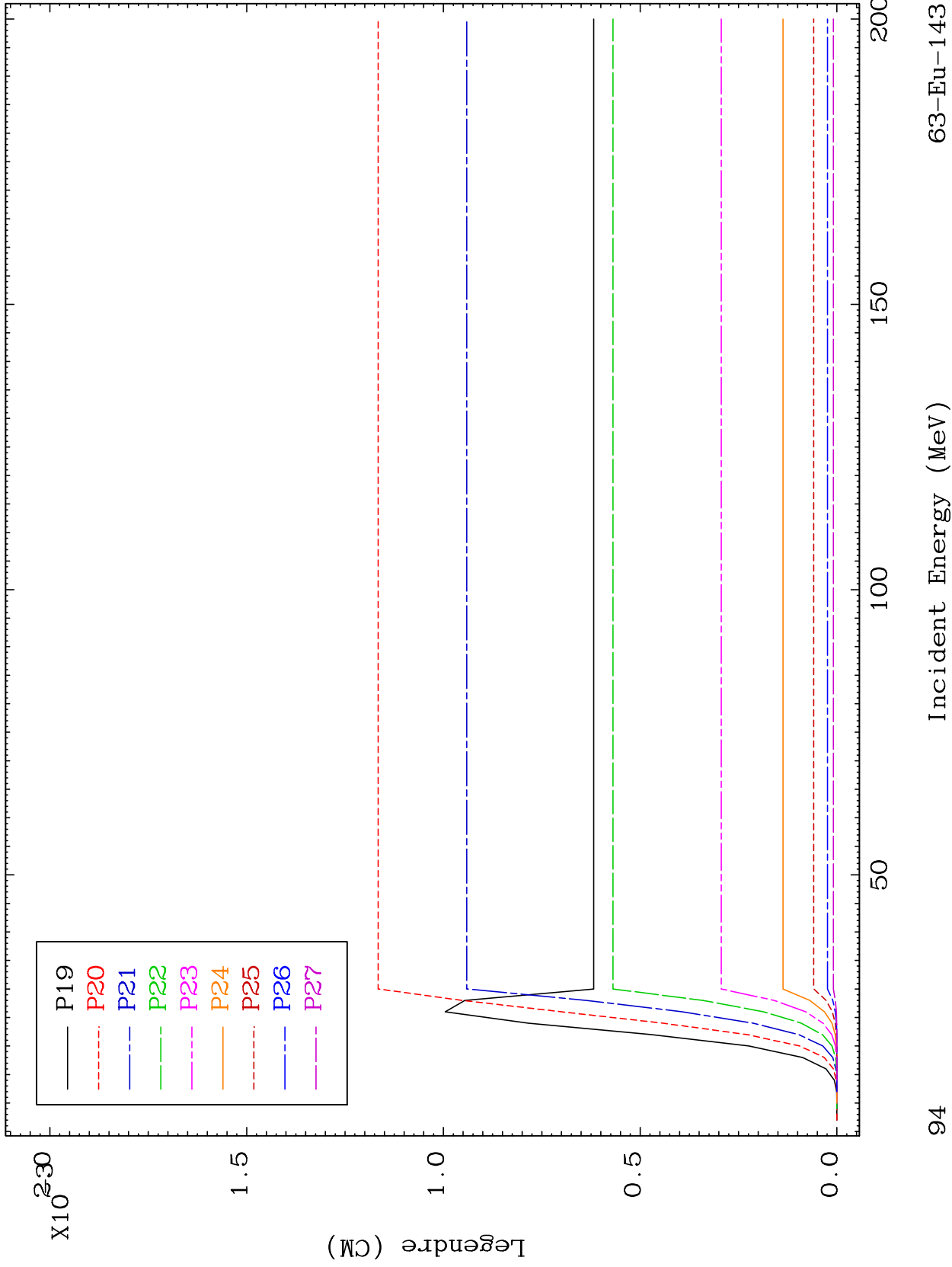
63-Eu-143



63-Eu-143

Incident Energy (MeV)

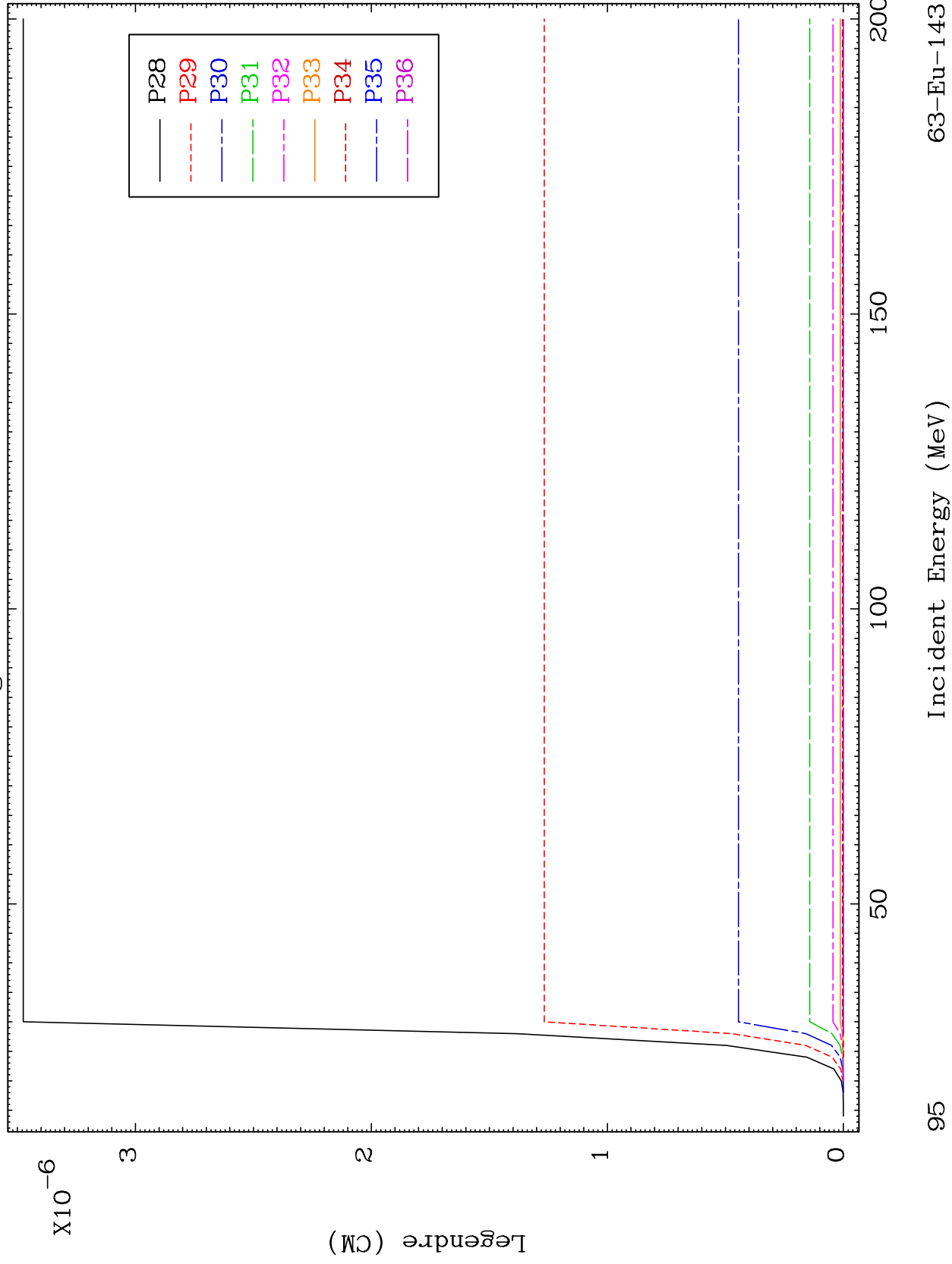
92



MAT 6301

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

63-Eu-143



95

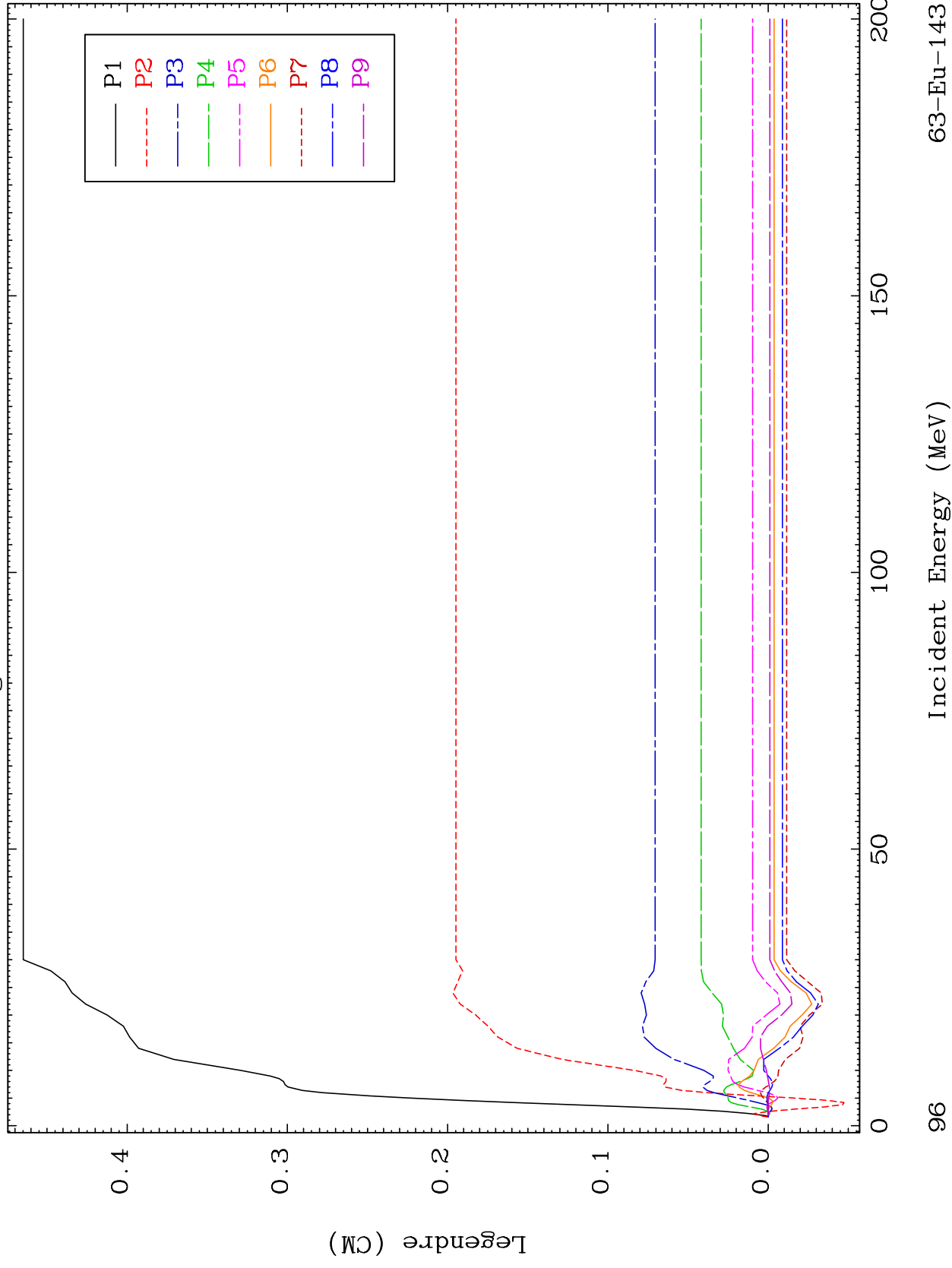
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

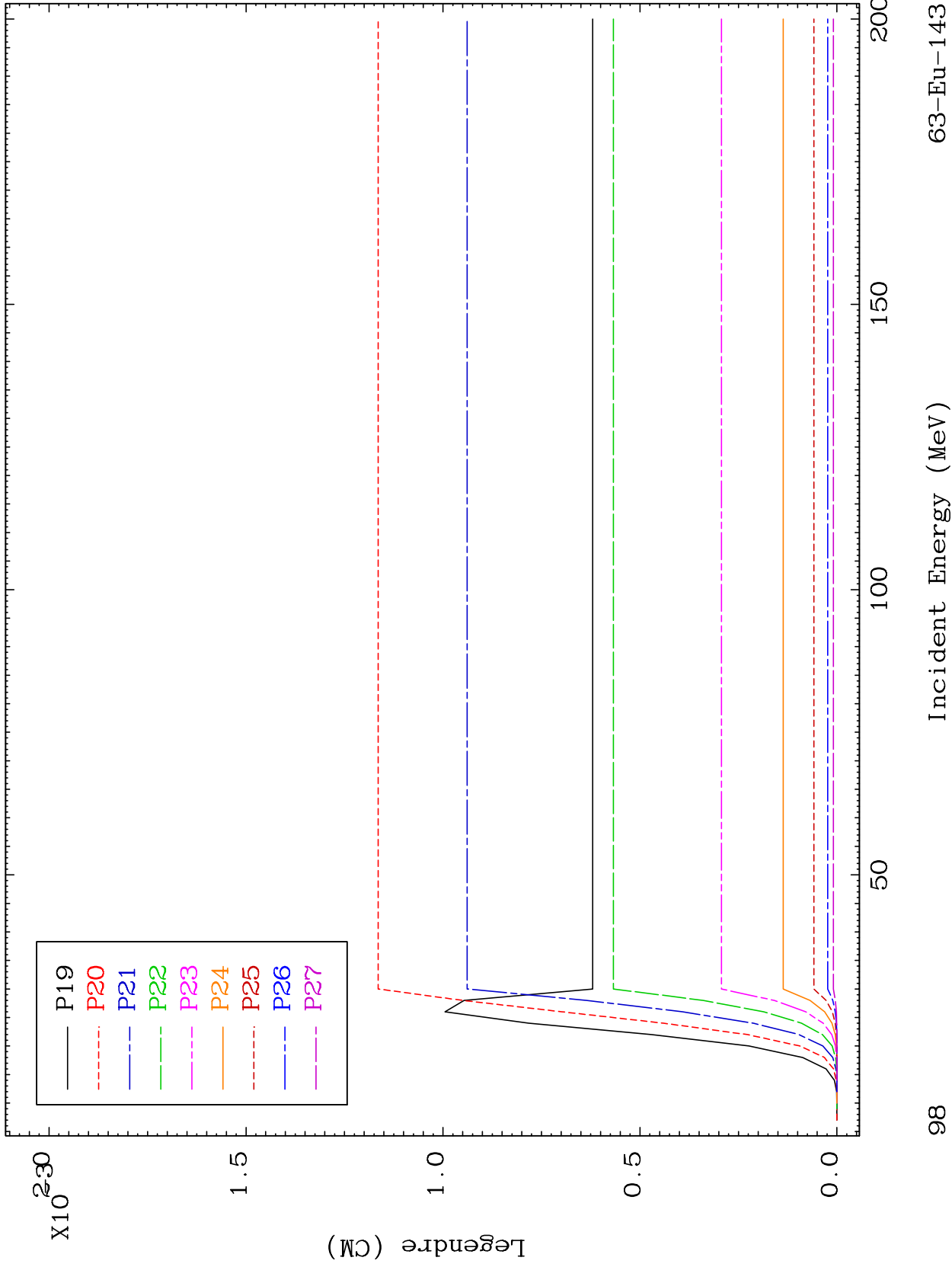
63-Eu-143



63-Eu-143

Incident Energy (MeV)

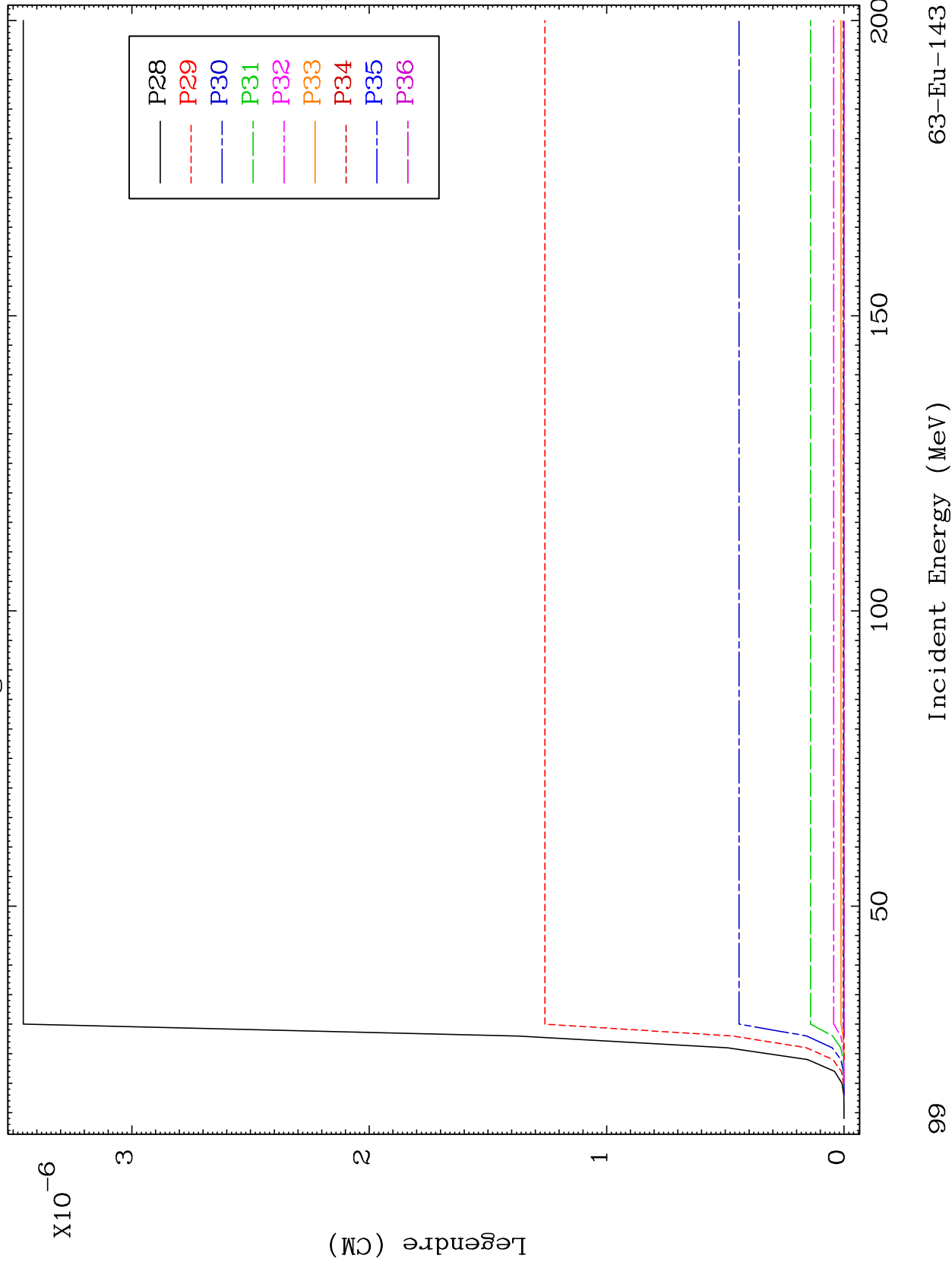
96



MAT 6301

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

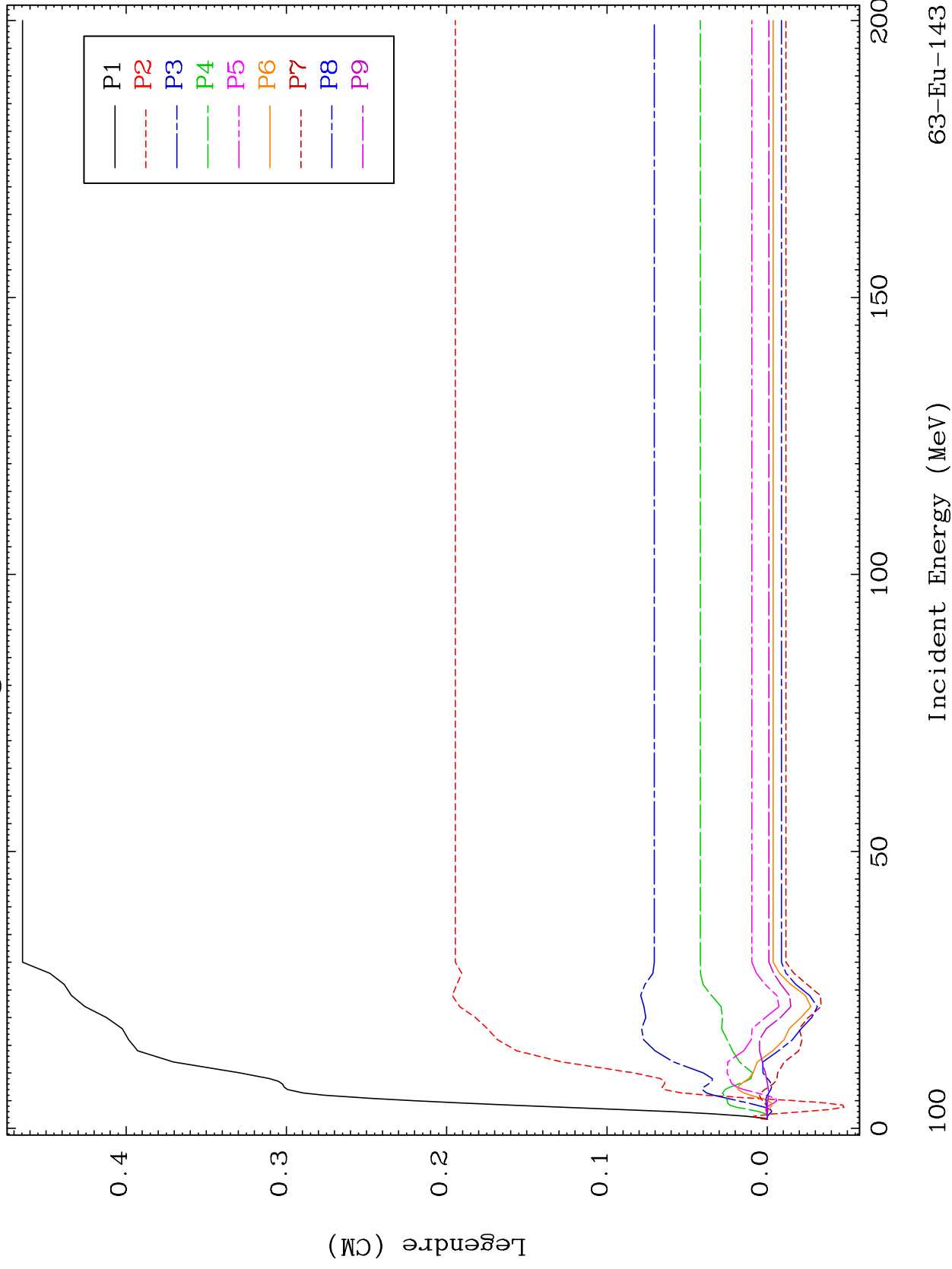
63-Eu-143



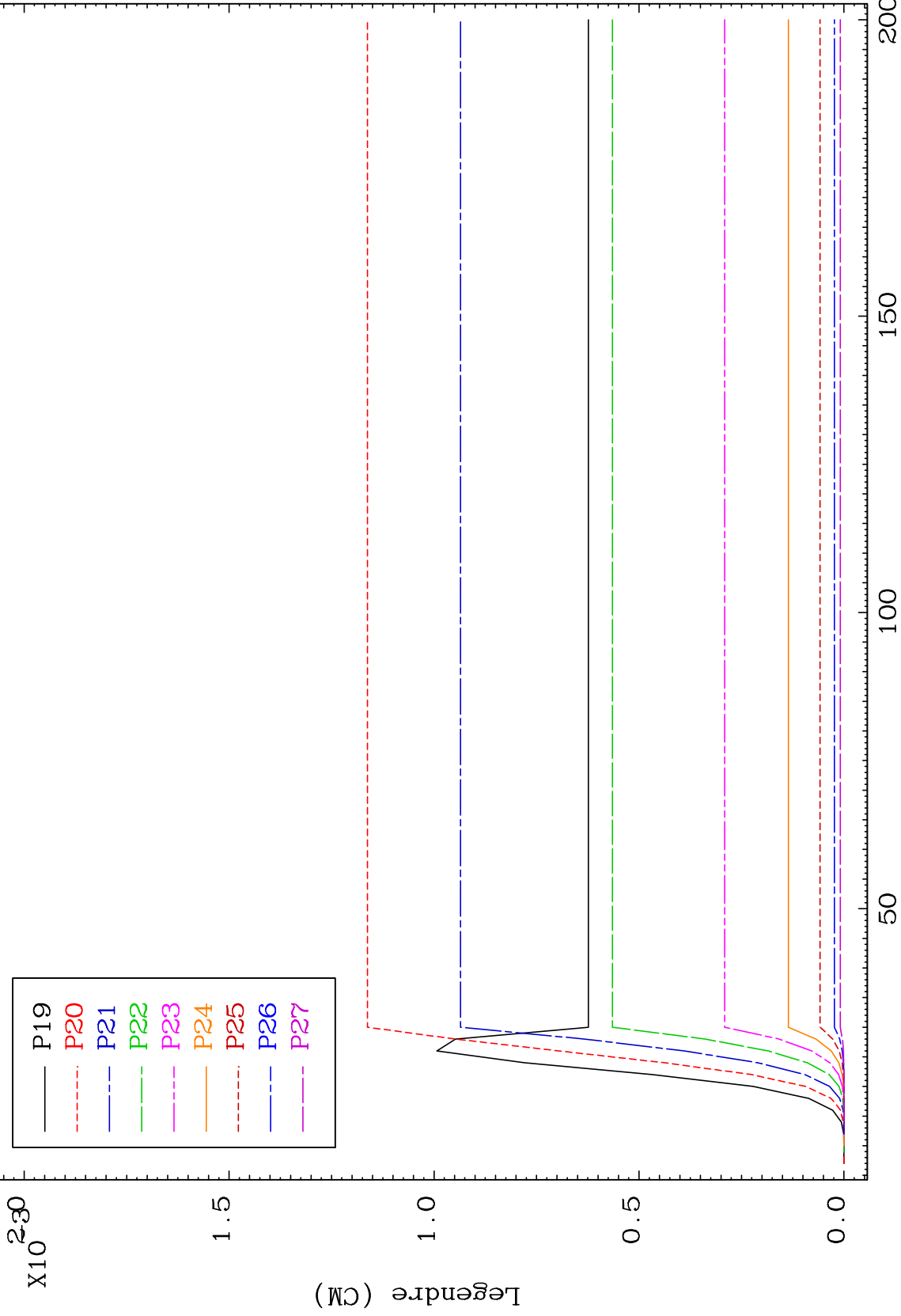
MAT 6301

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

63-Eu-143



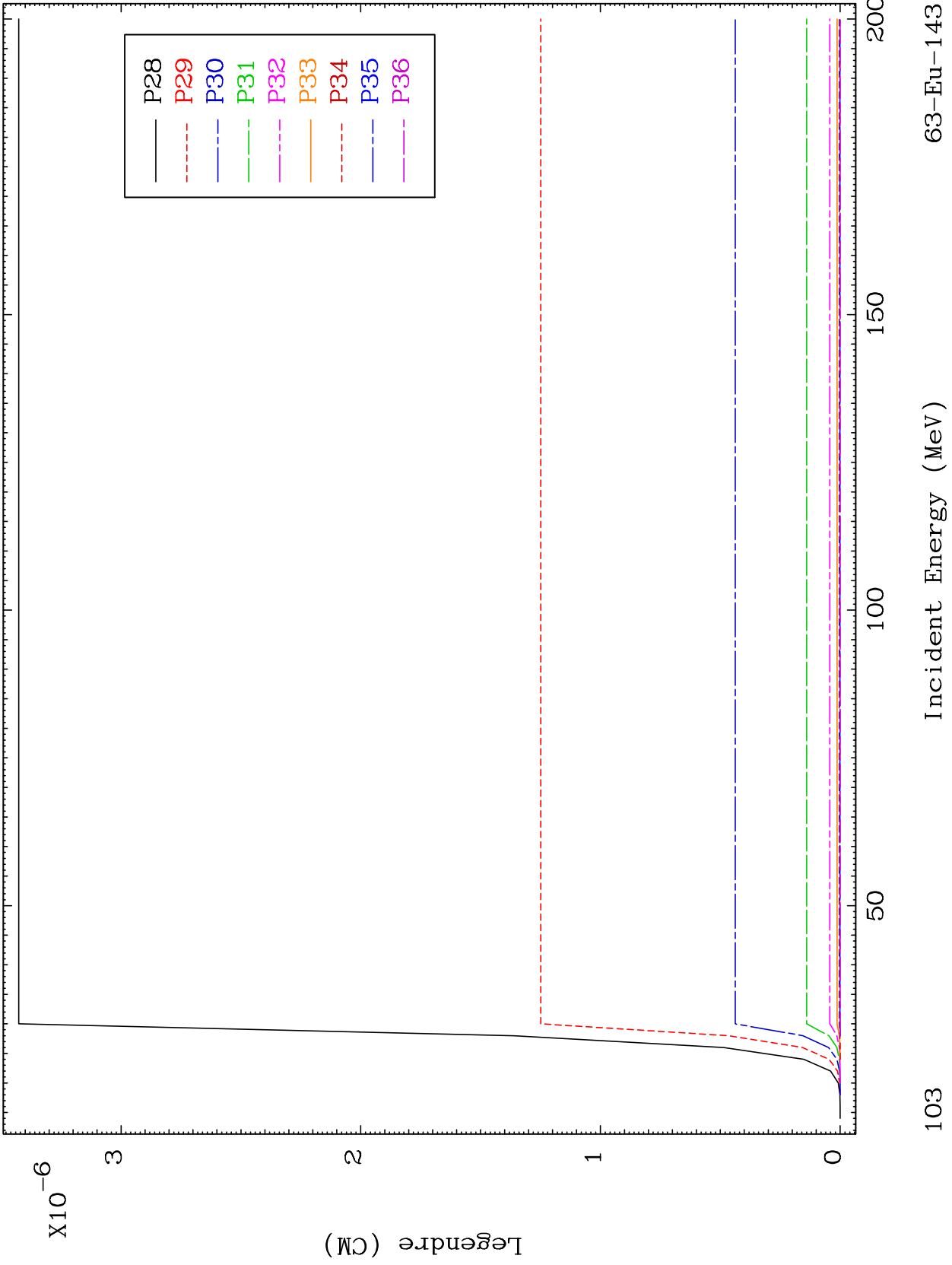
63-Eu-143



MAT 6301

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

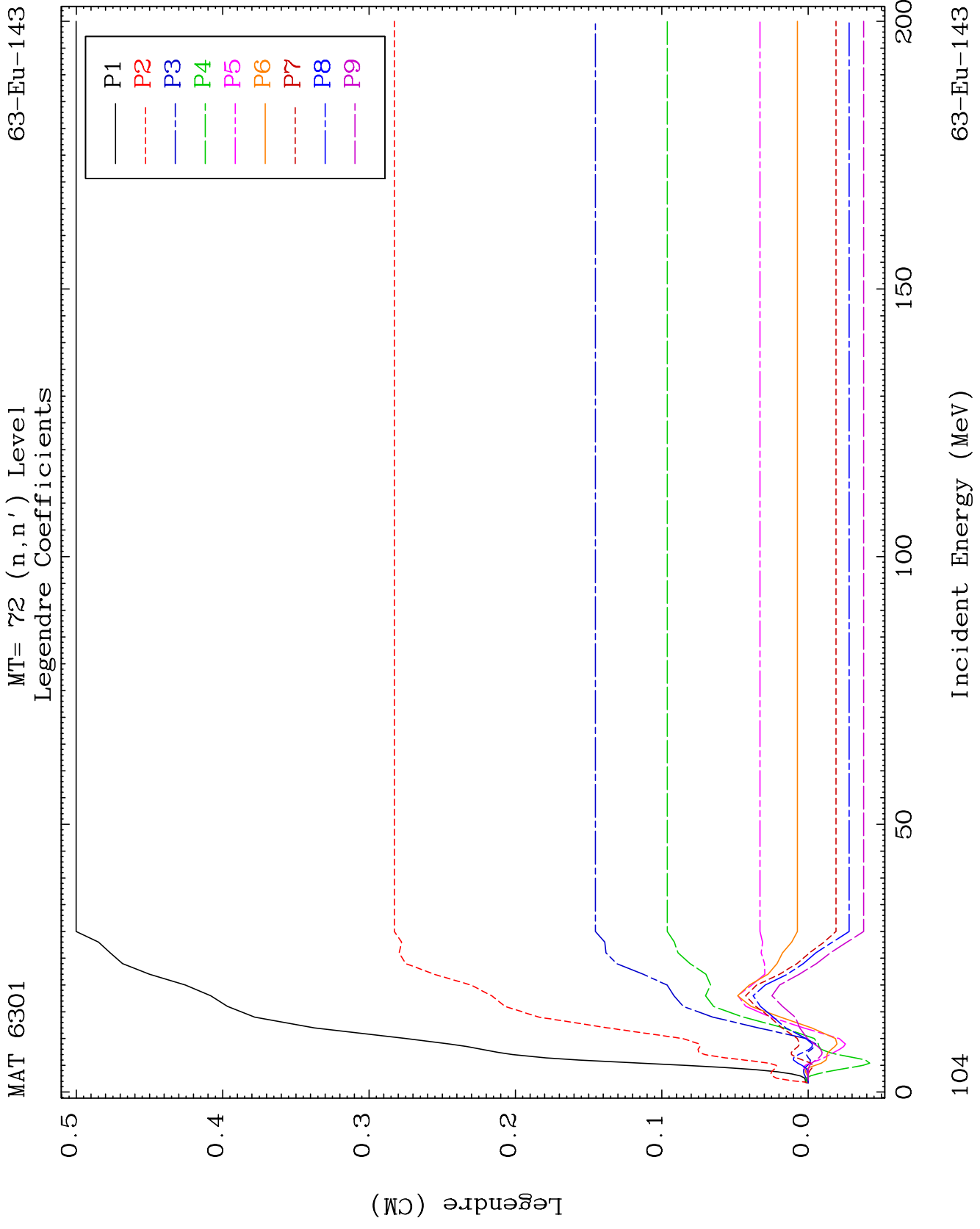
63-Eu-143



103

Incident Energy (MeV)

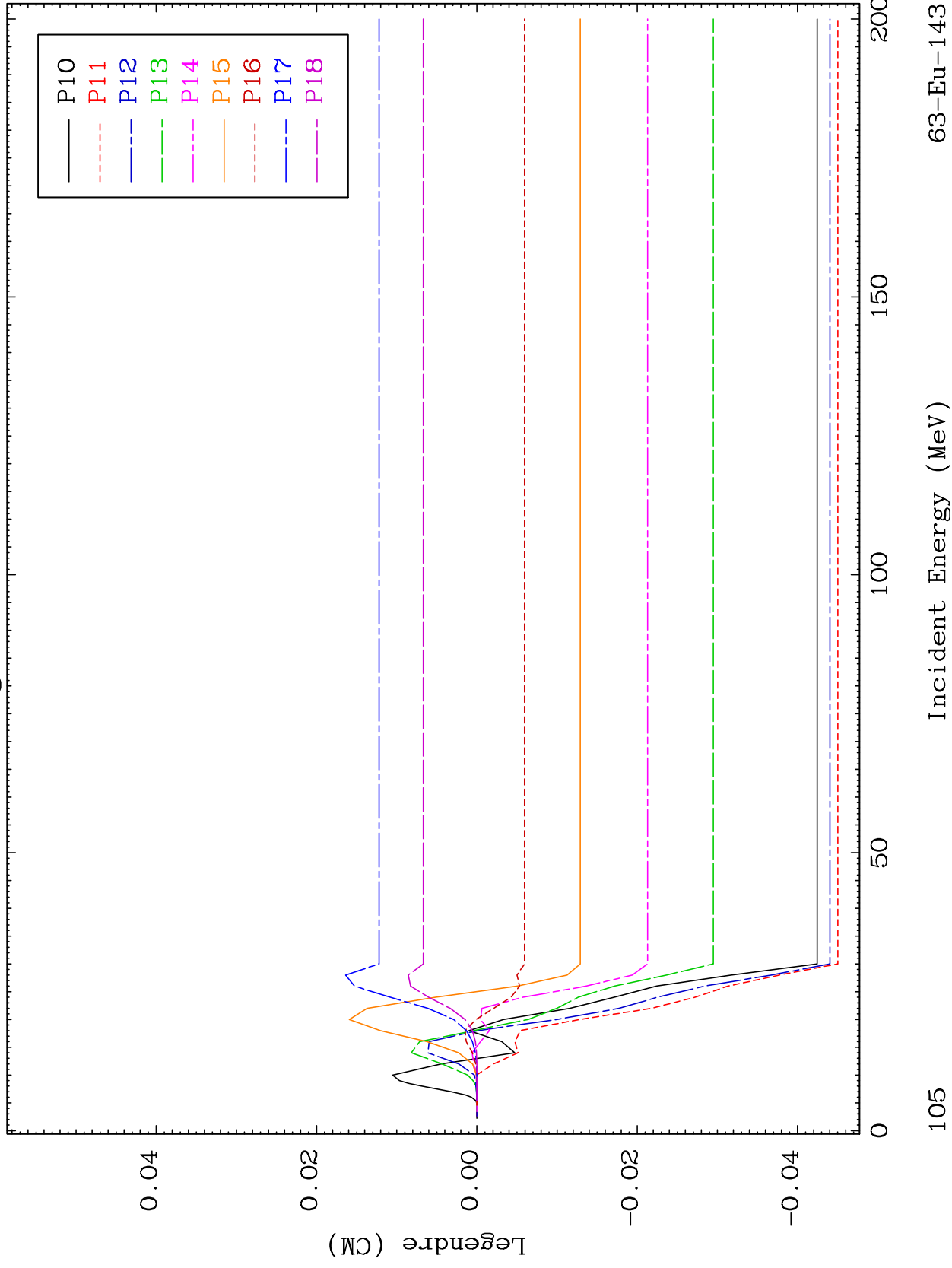
63-Eu-143



MAT 6301

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

63-Eu-143



63-Eu-143

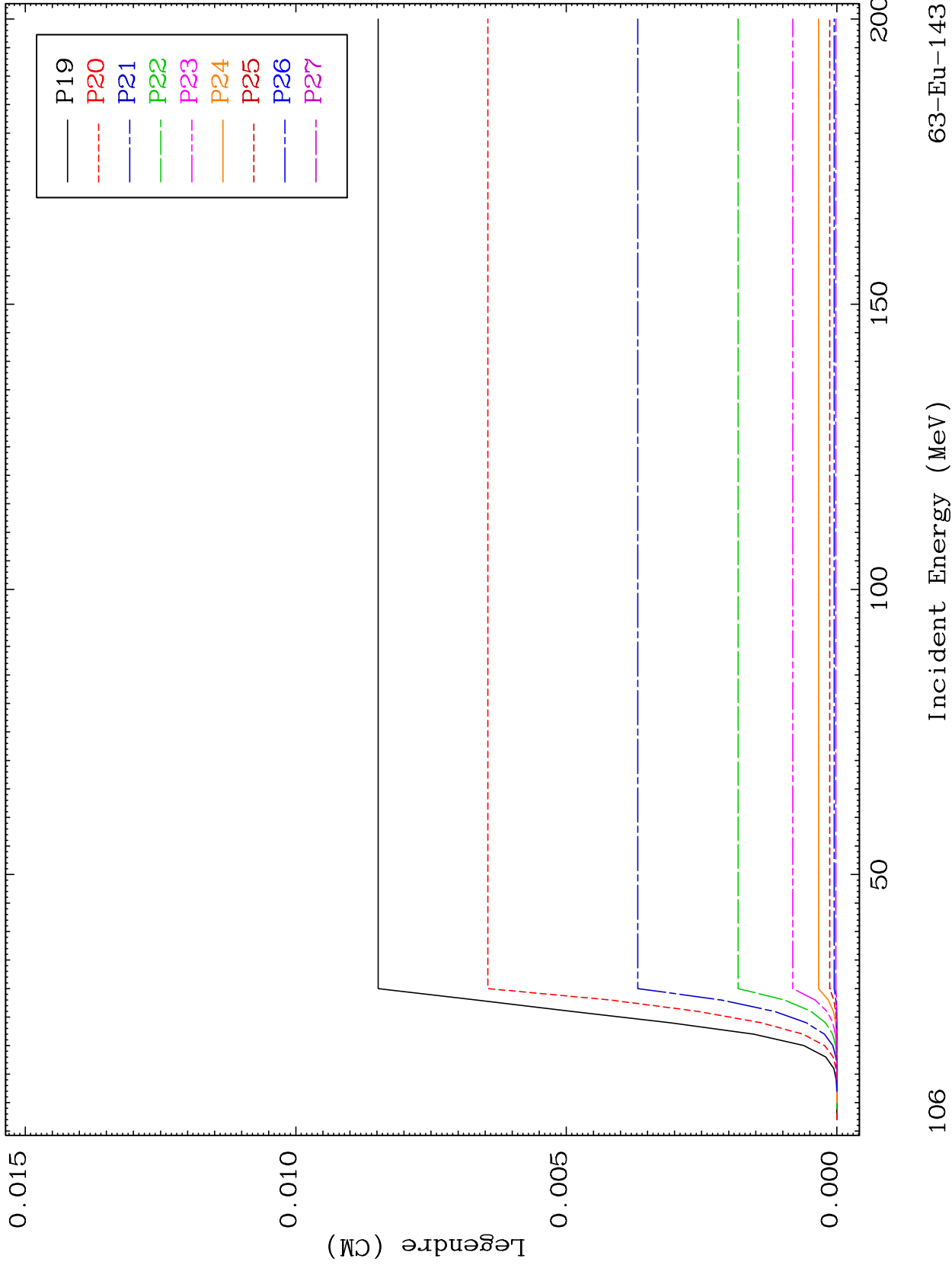
Incident Energy (MeV)

105

MAT 6301

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

63-Eu-143



106

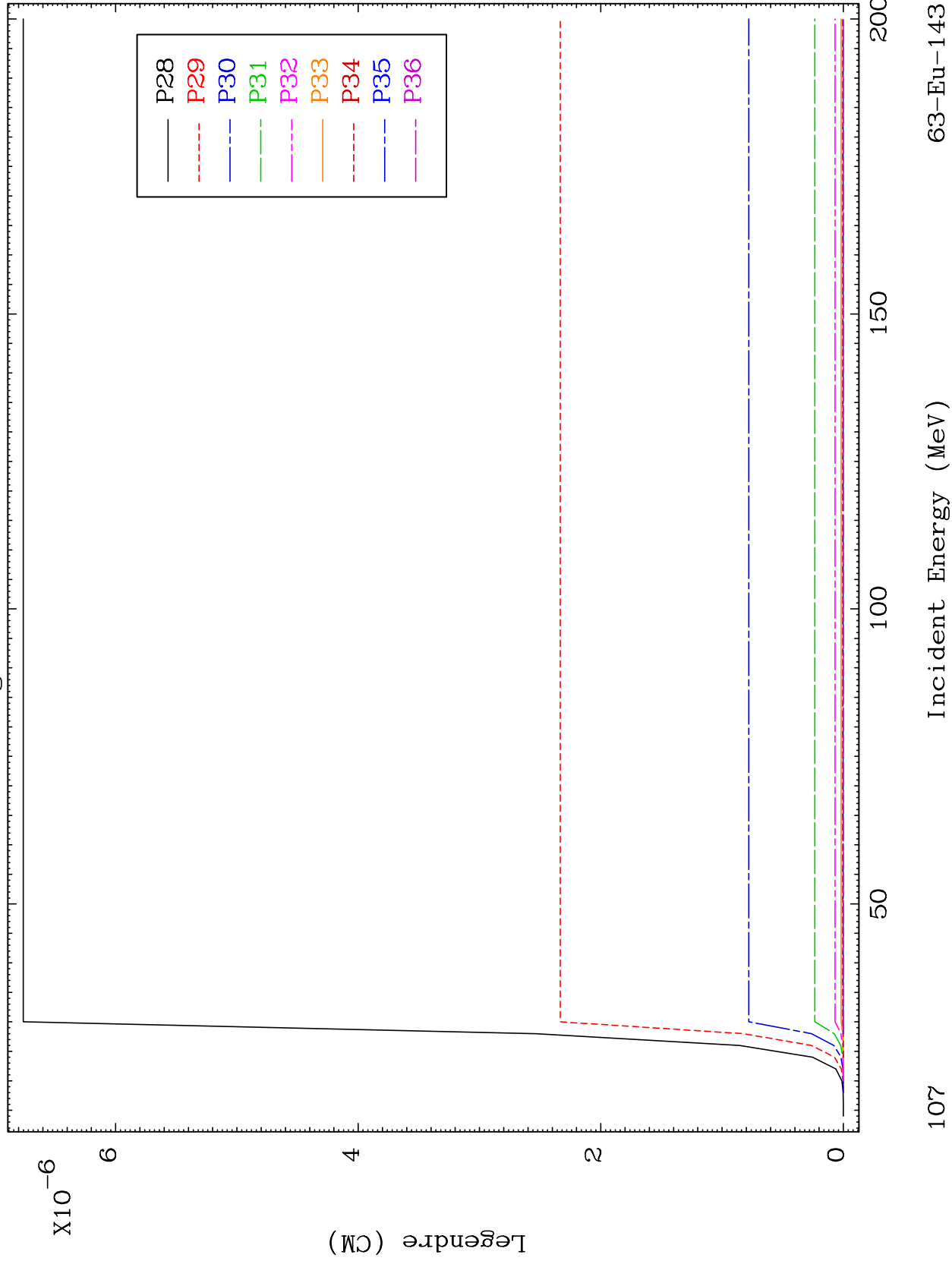
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

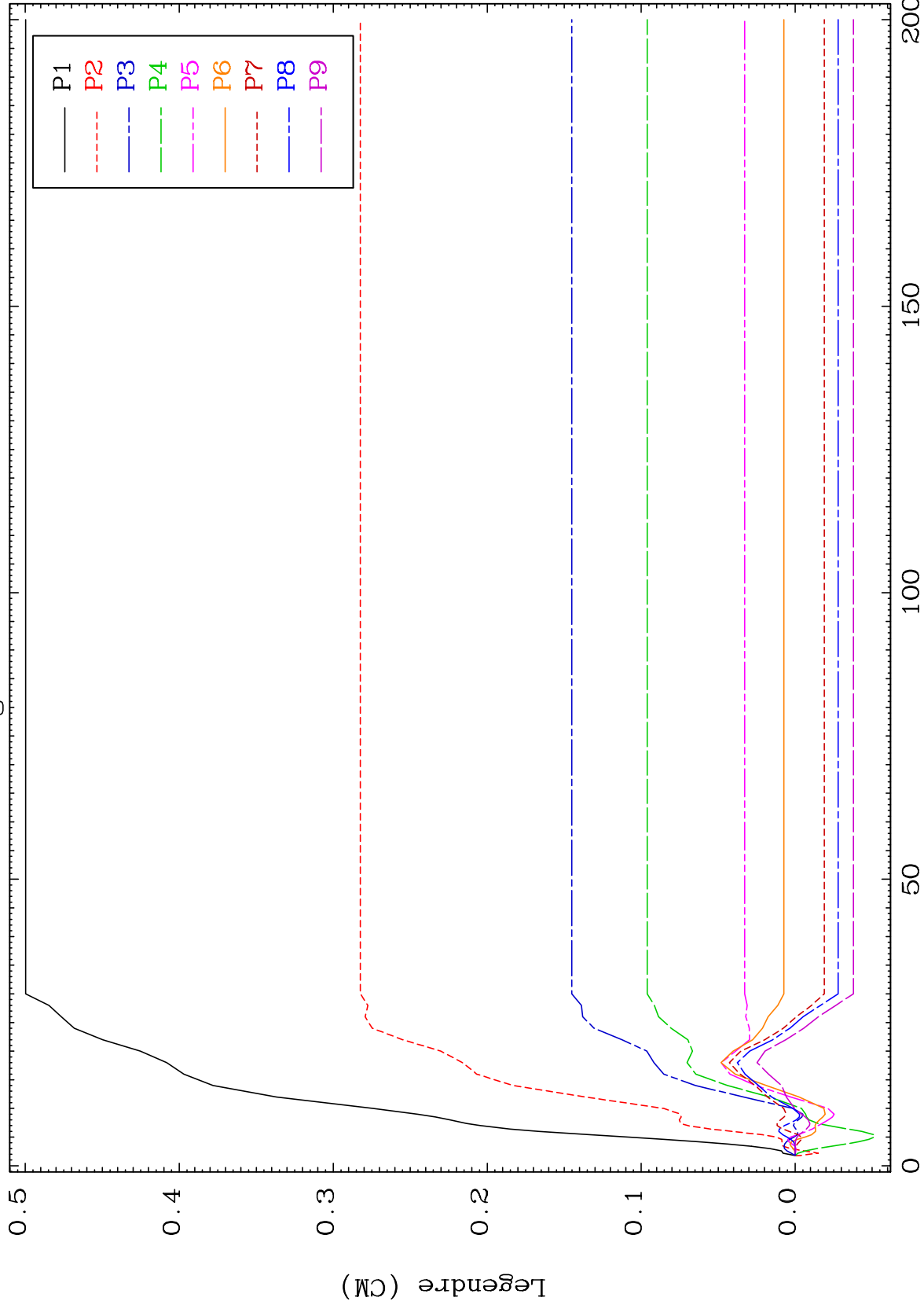
63-Eu-143



MAT 6301

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

63-Eu-143



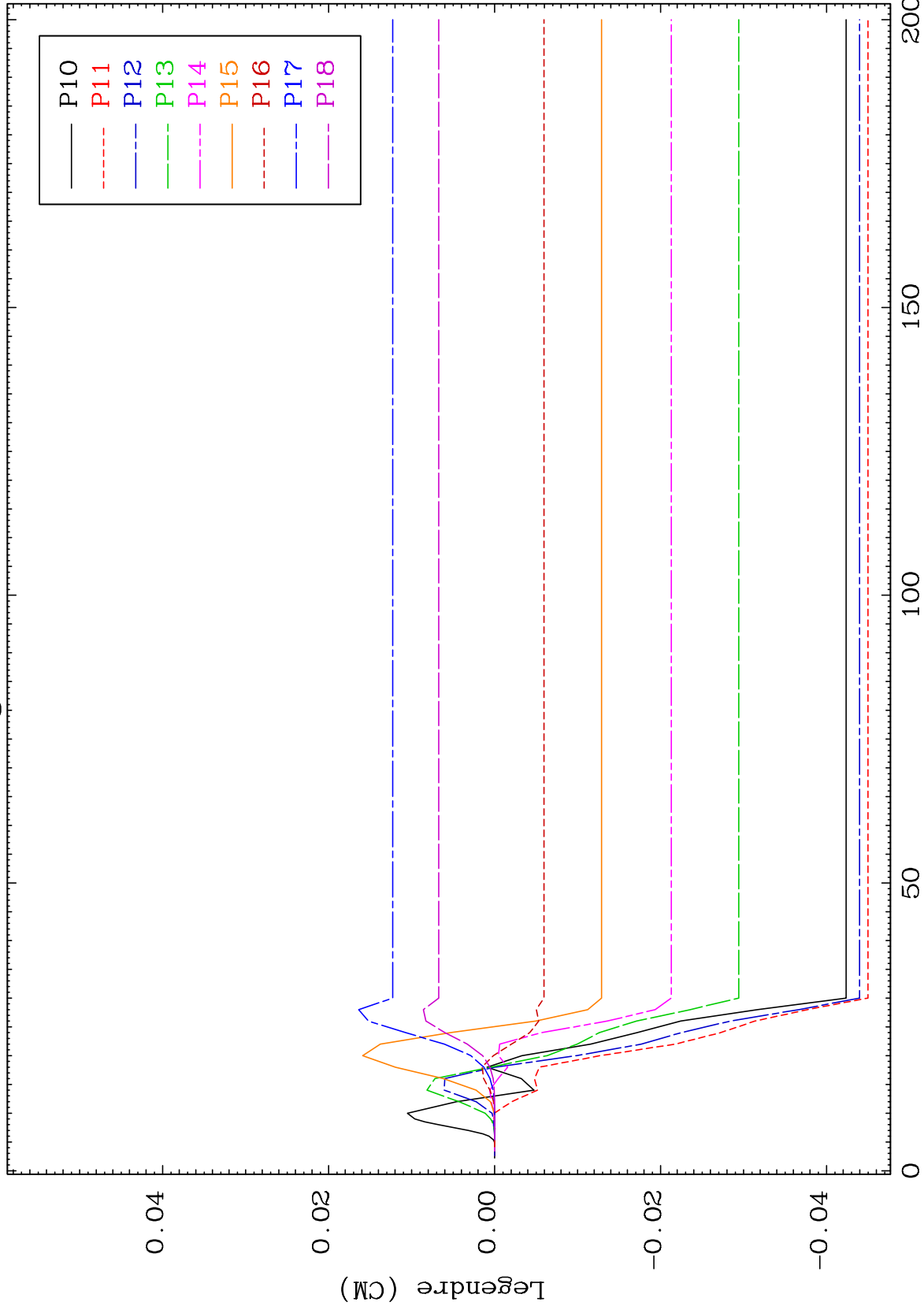
108

63-Eu-143

MAT 6301

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

63-Eu-143



109

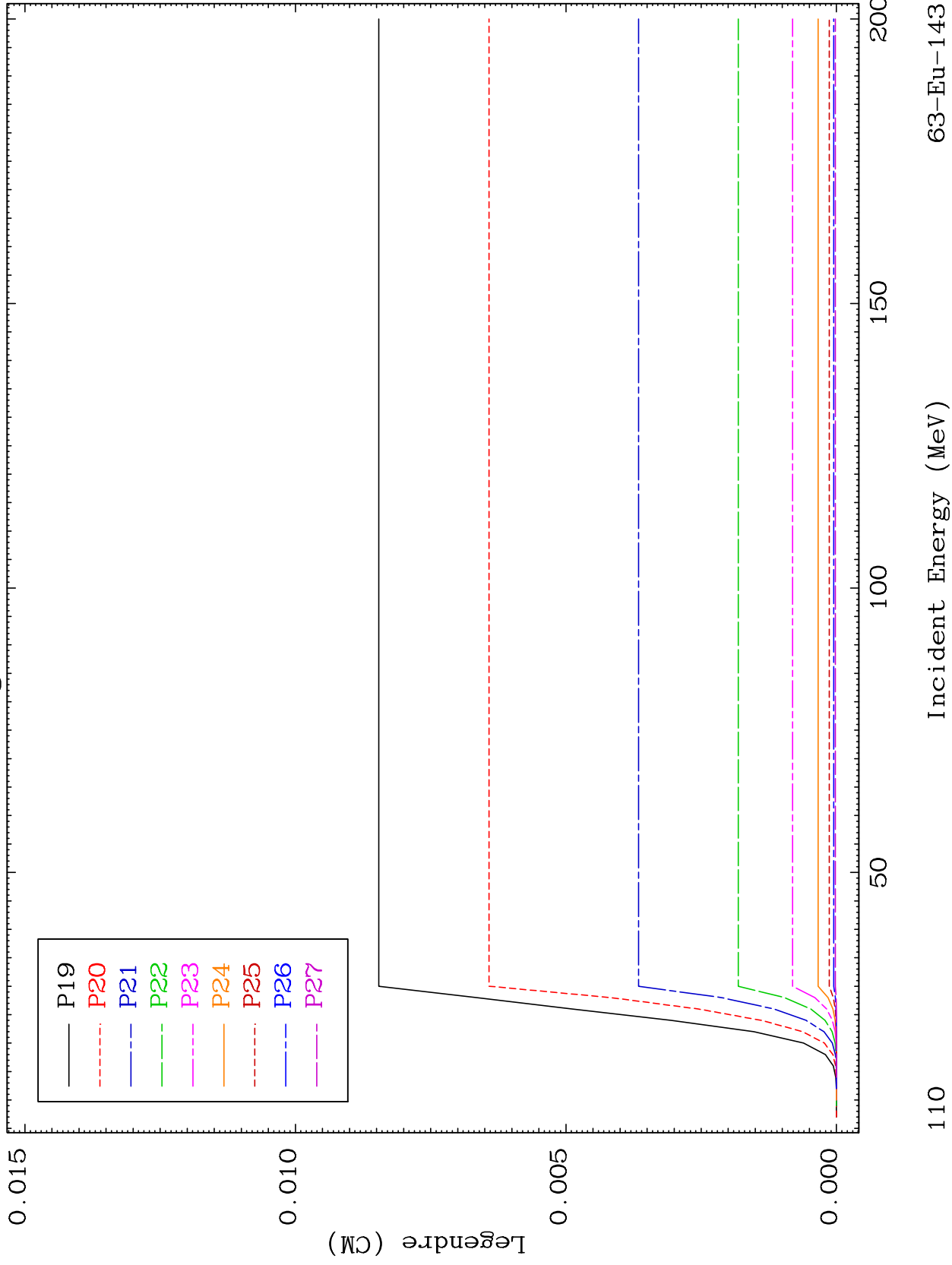
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



63-Eu-143

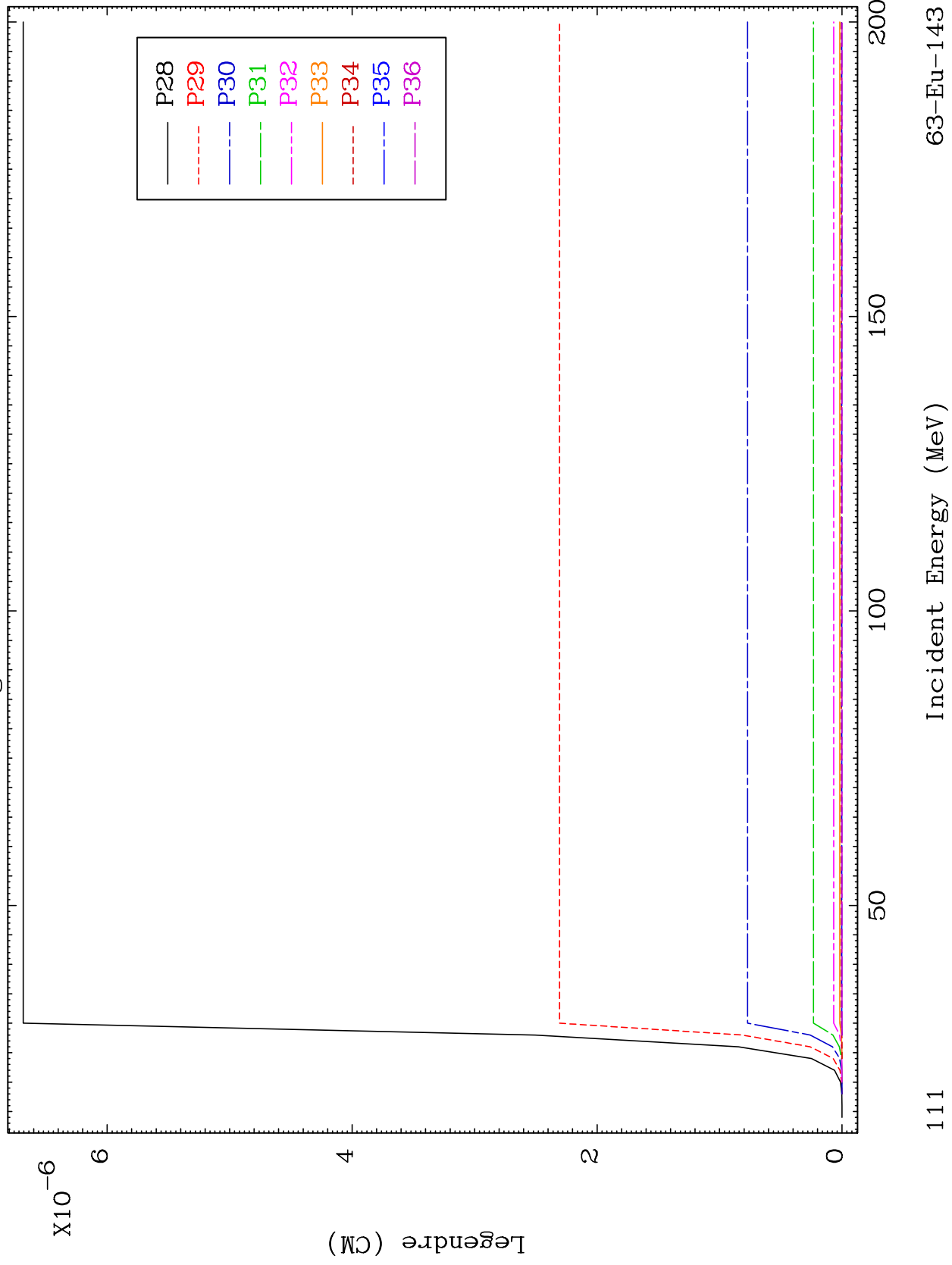
Incident Energy (MeV)

110

MAT 6301

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

63-Eu-143

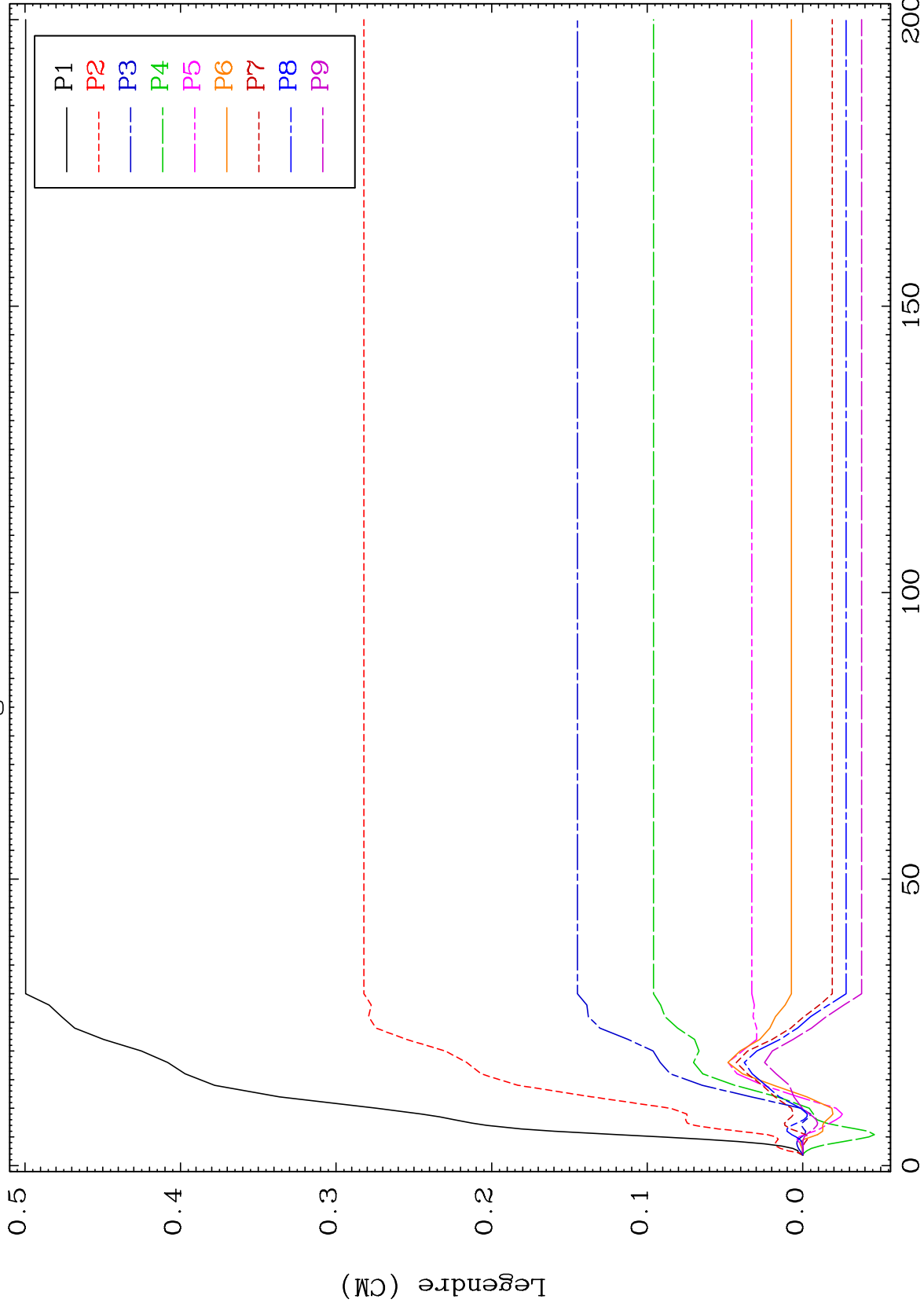


MAT 6301

MT= 74 (n,n') Level

63-Eu-143

Legendre Coefficients



112

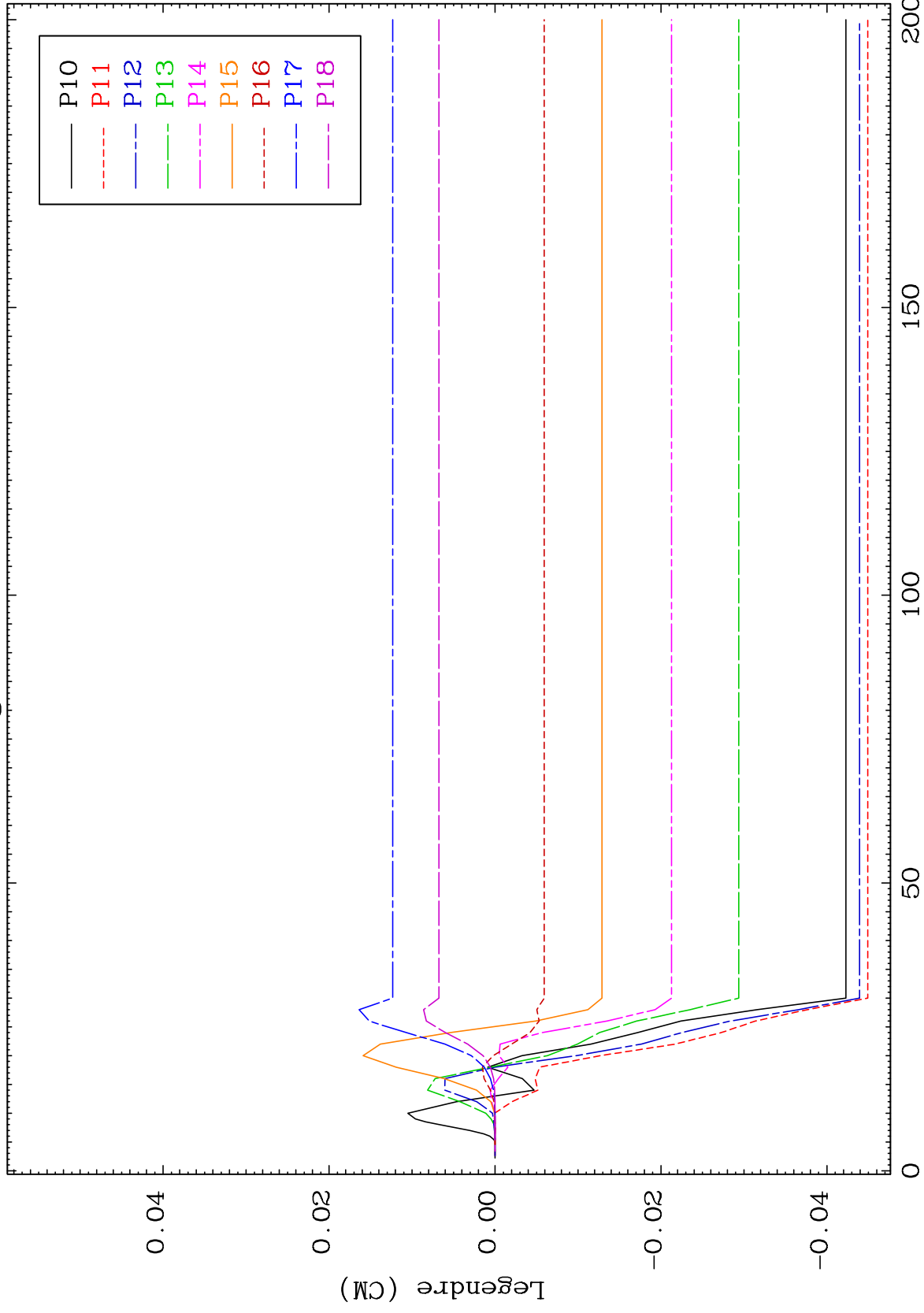
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



113

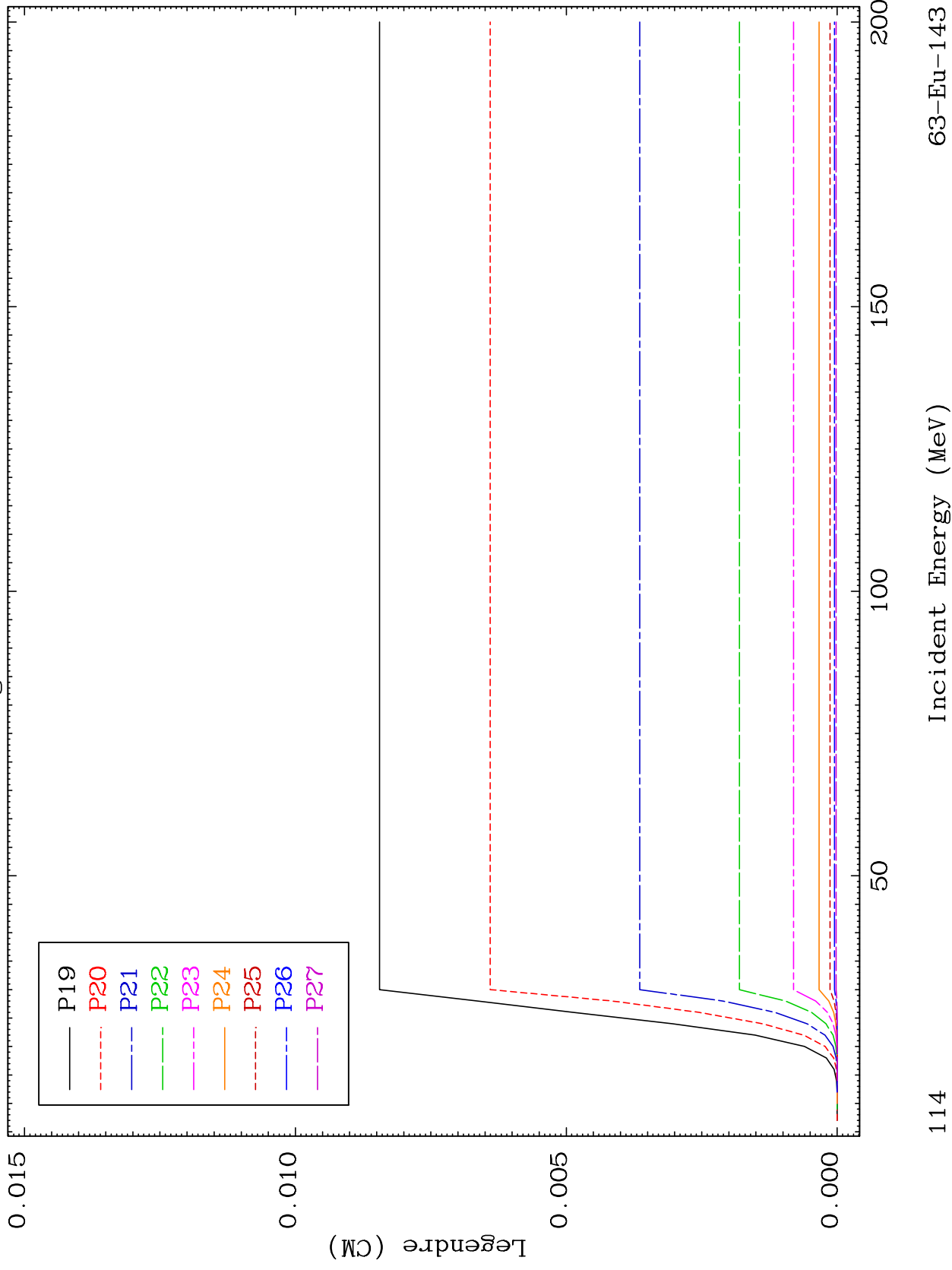
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



114

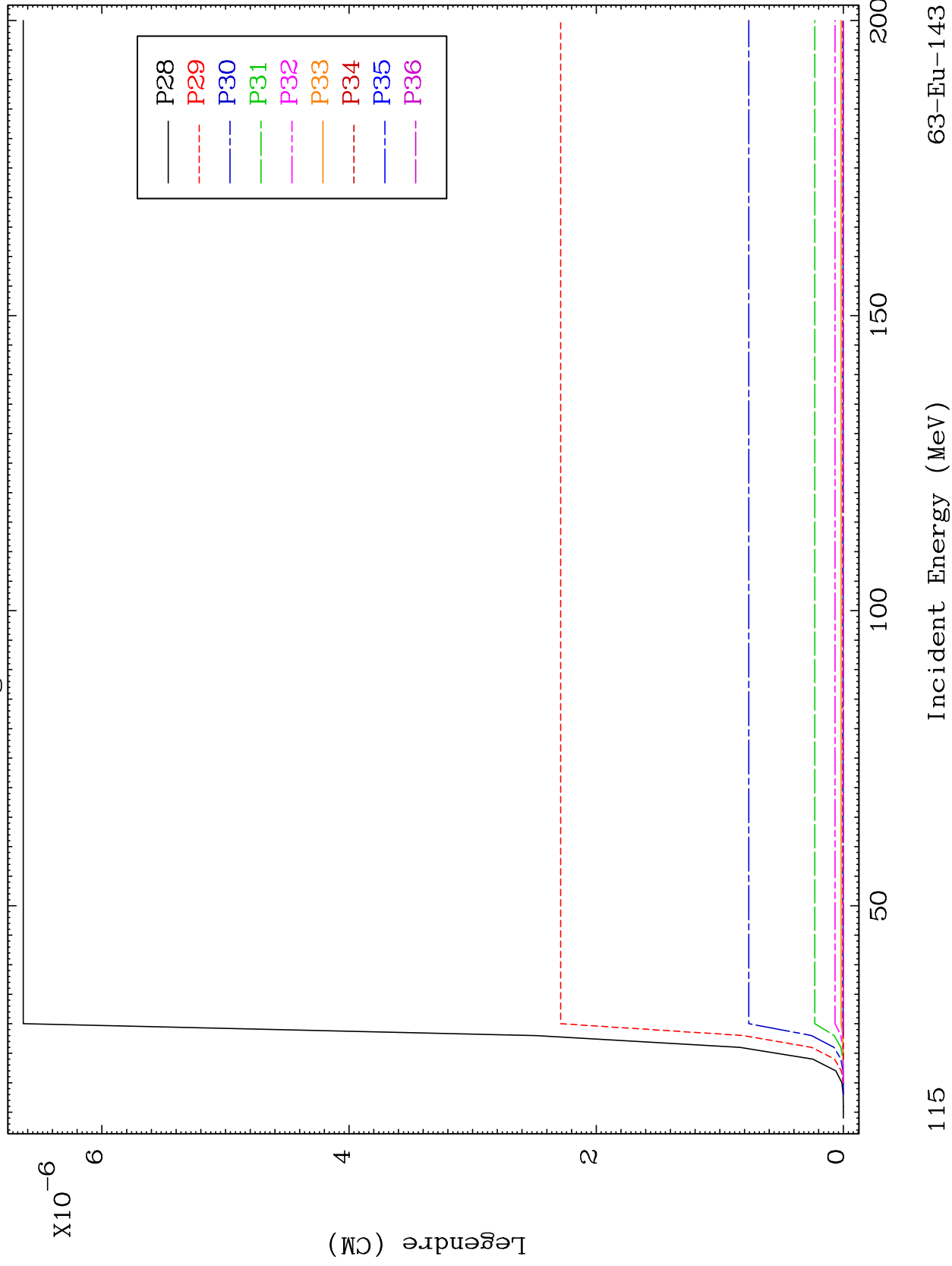
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



115

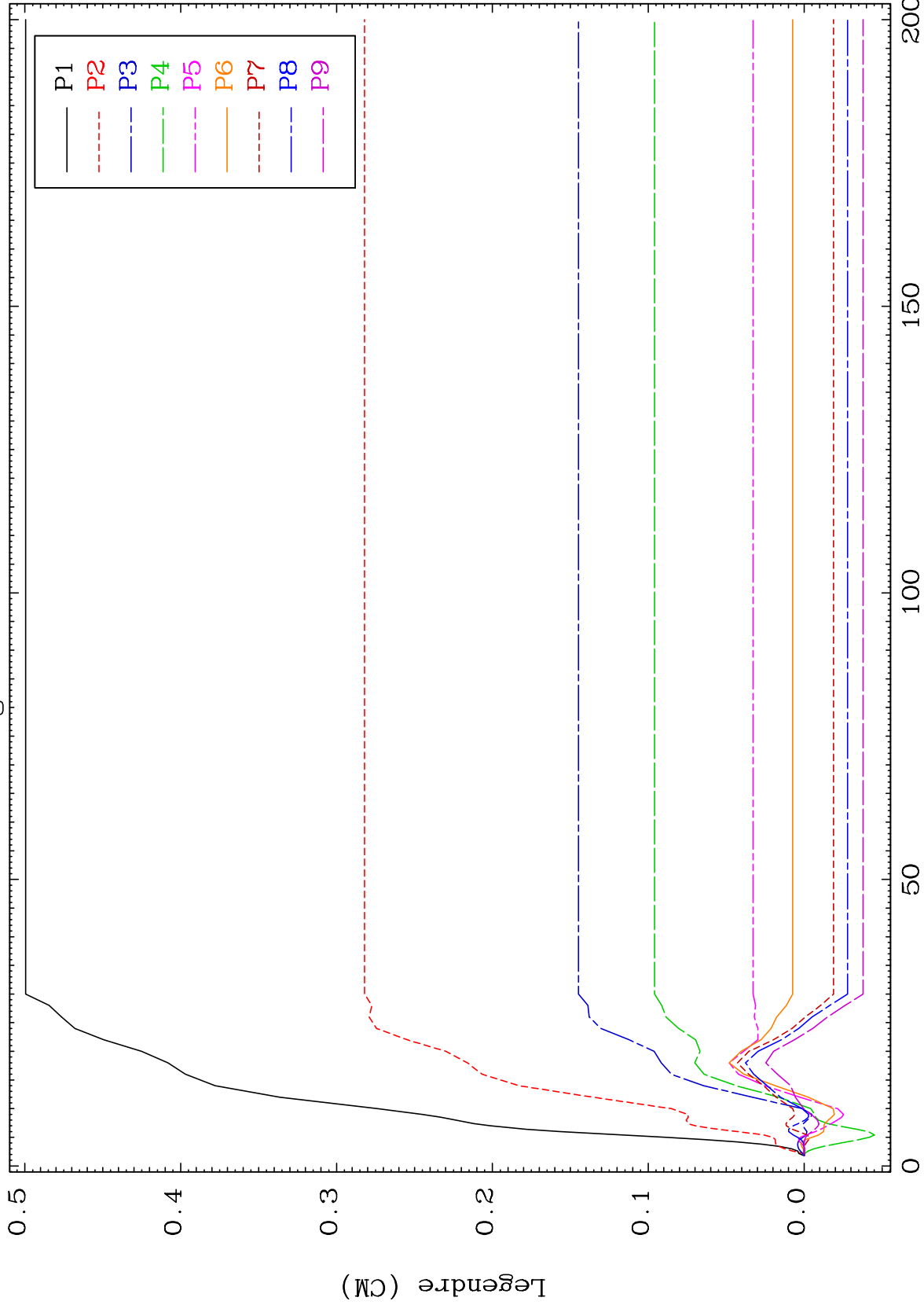
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



116

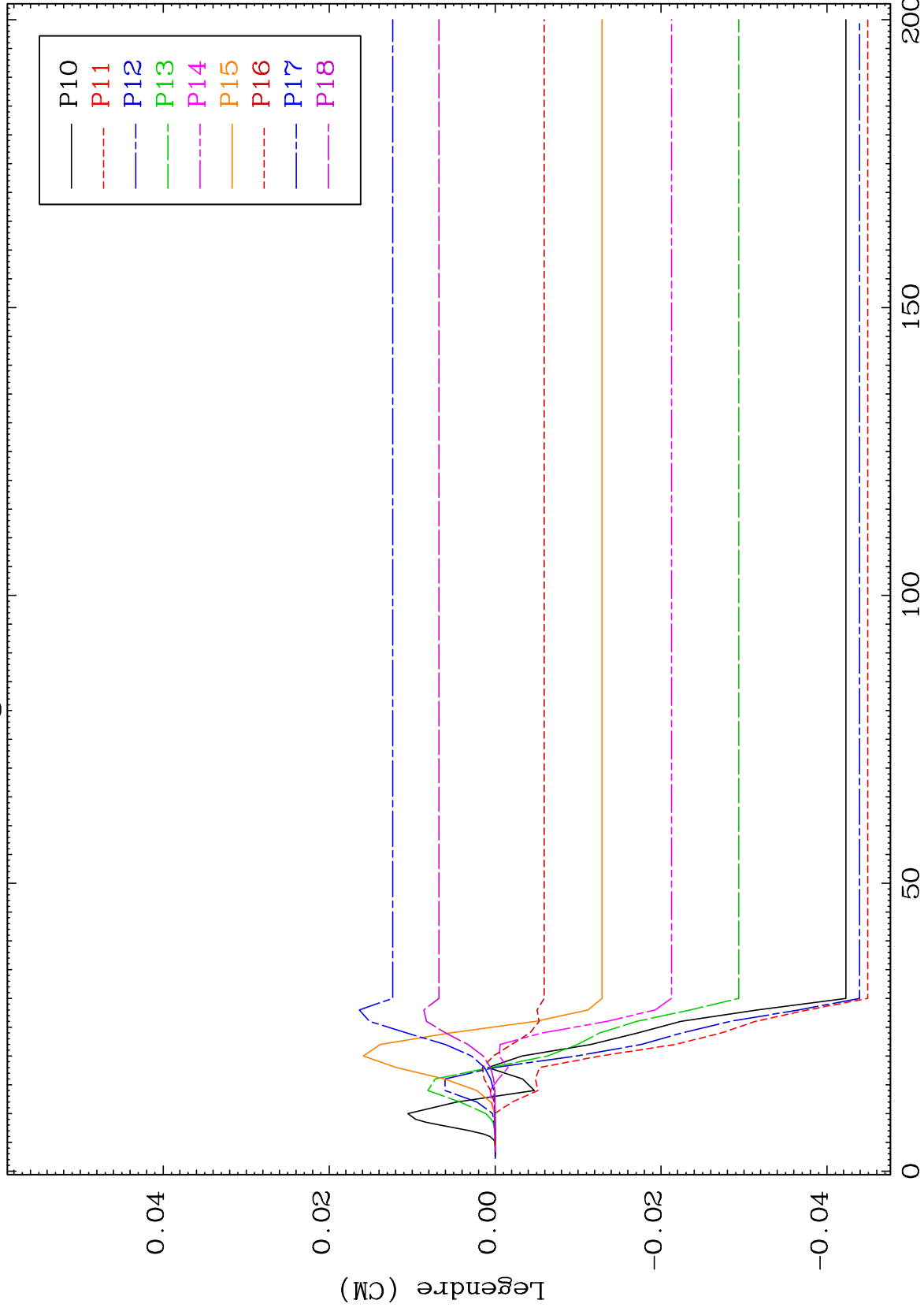
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



117

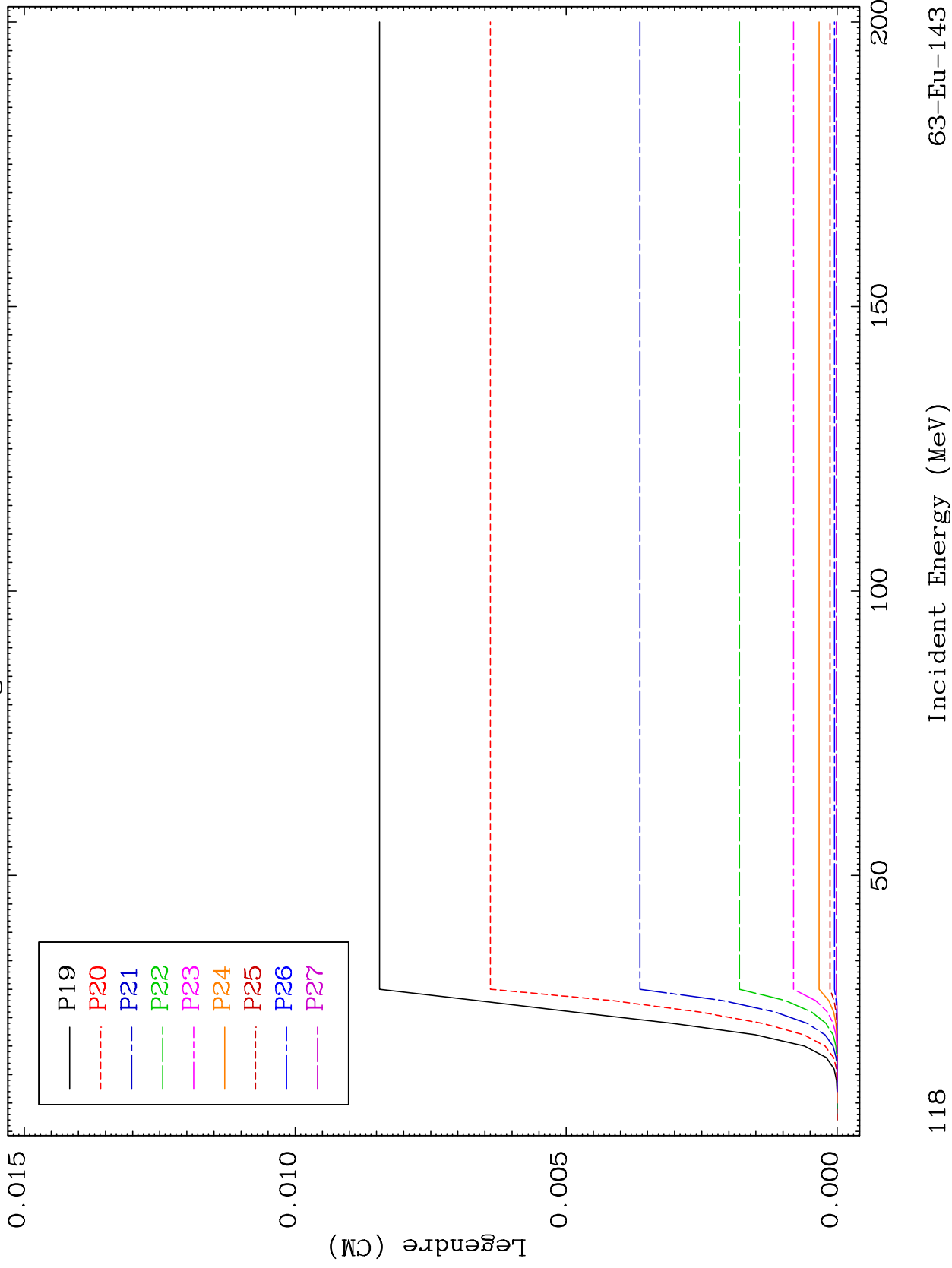
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



118

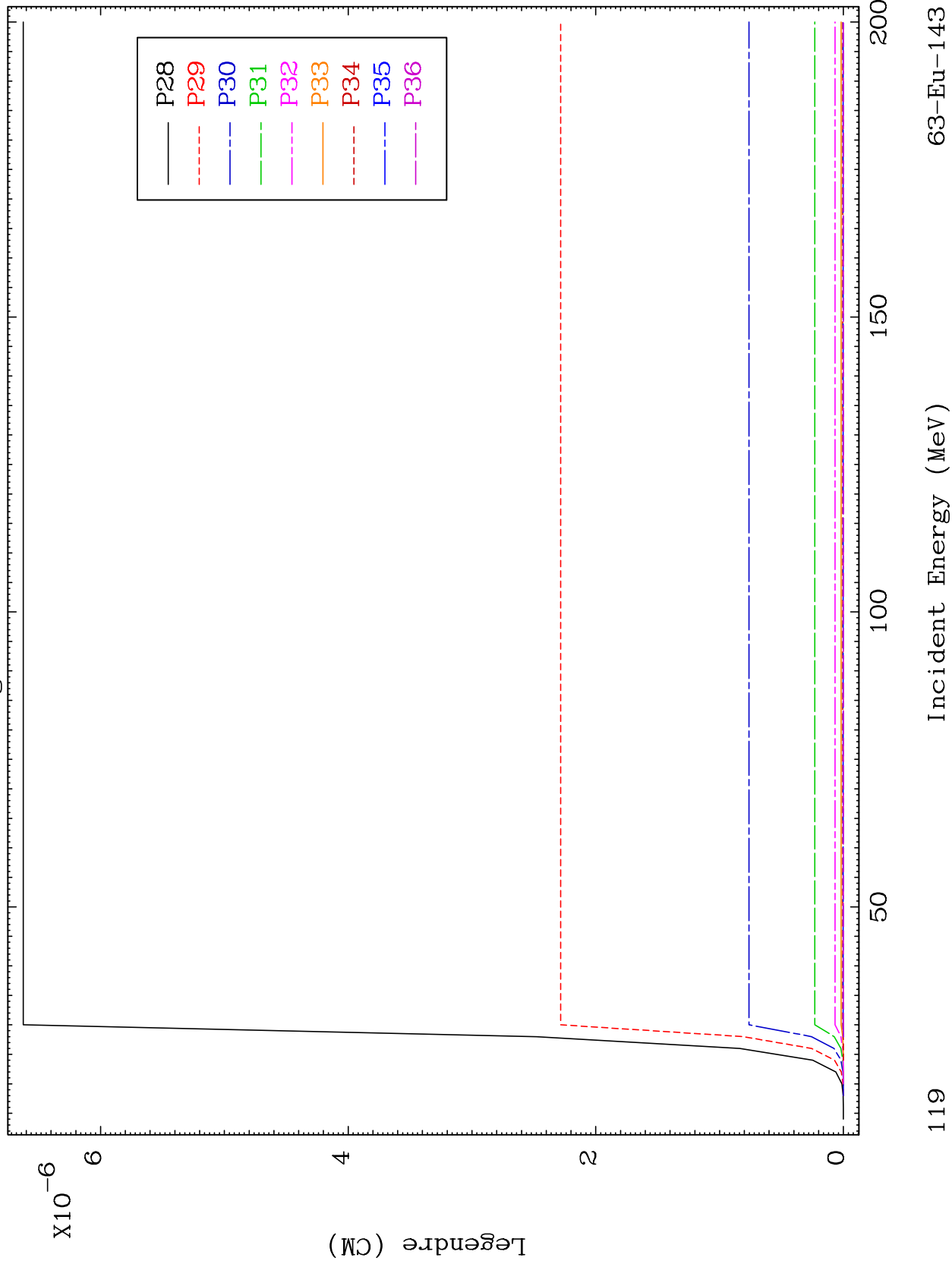
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



119

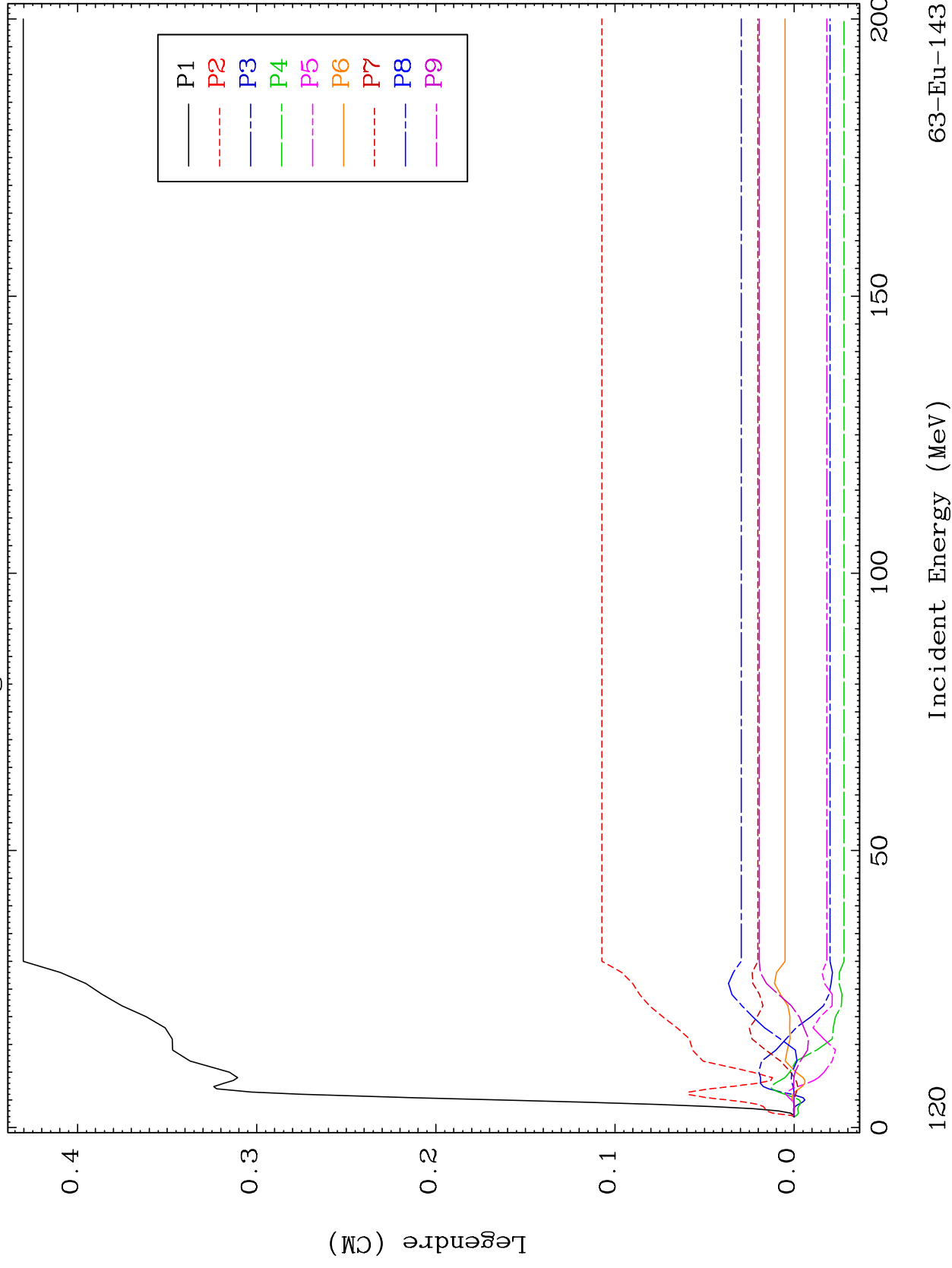
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



63-Eu-143

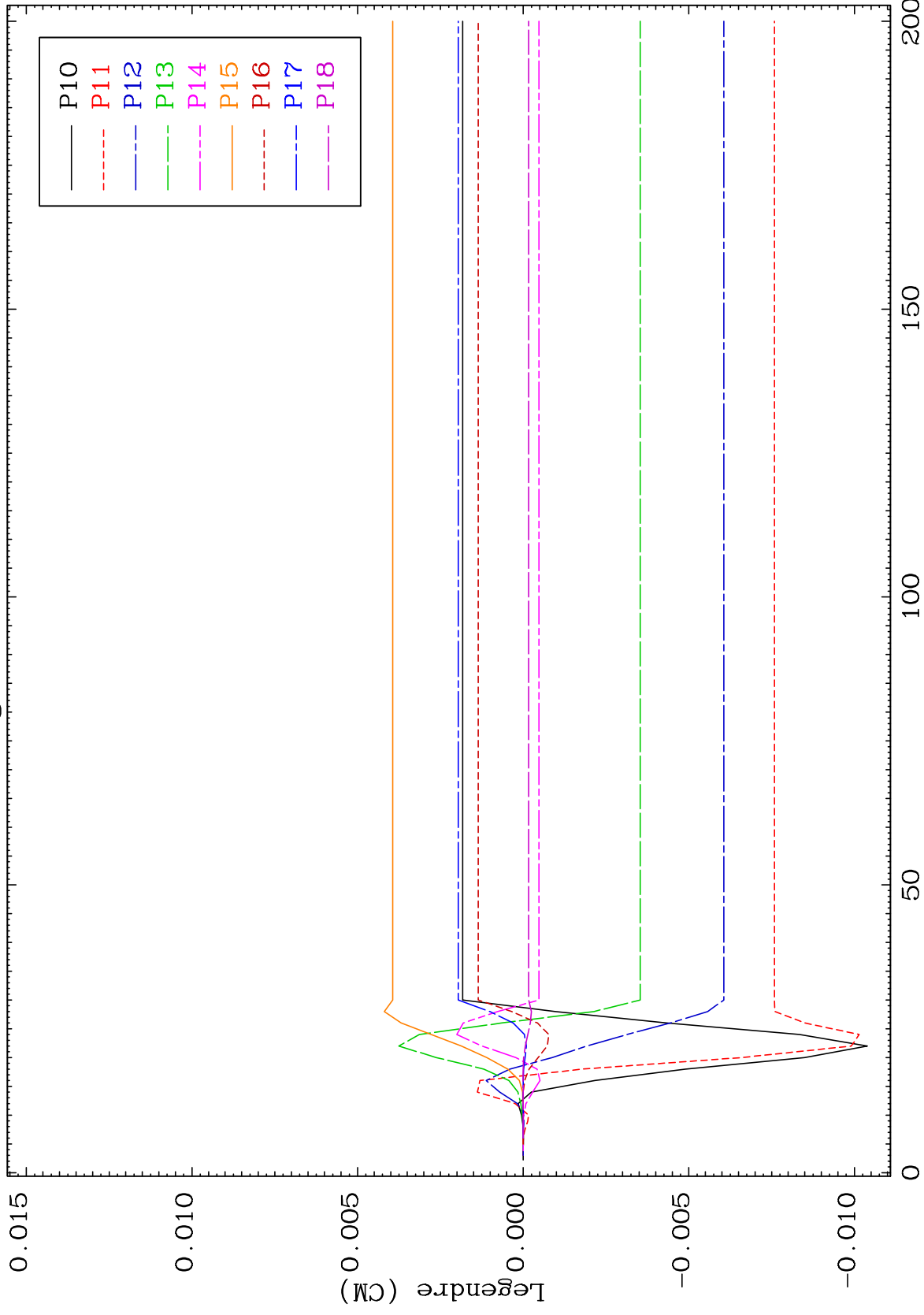
Incident Energy (MeV)

120

MAT 6301

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

63-Eu-143



121

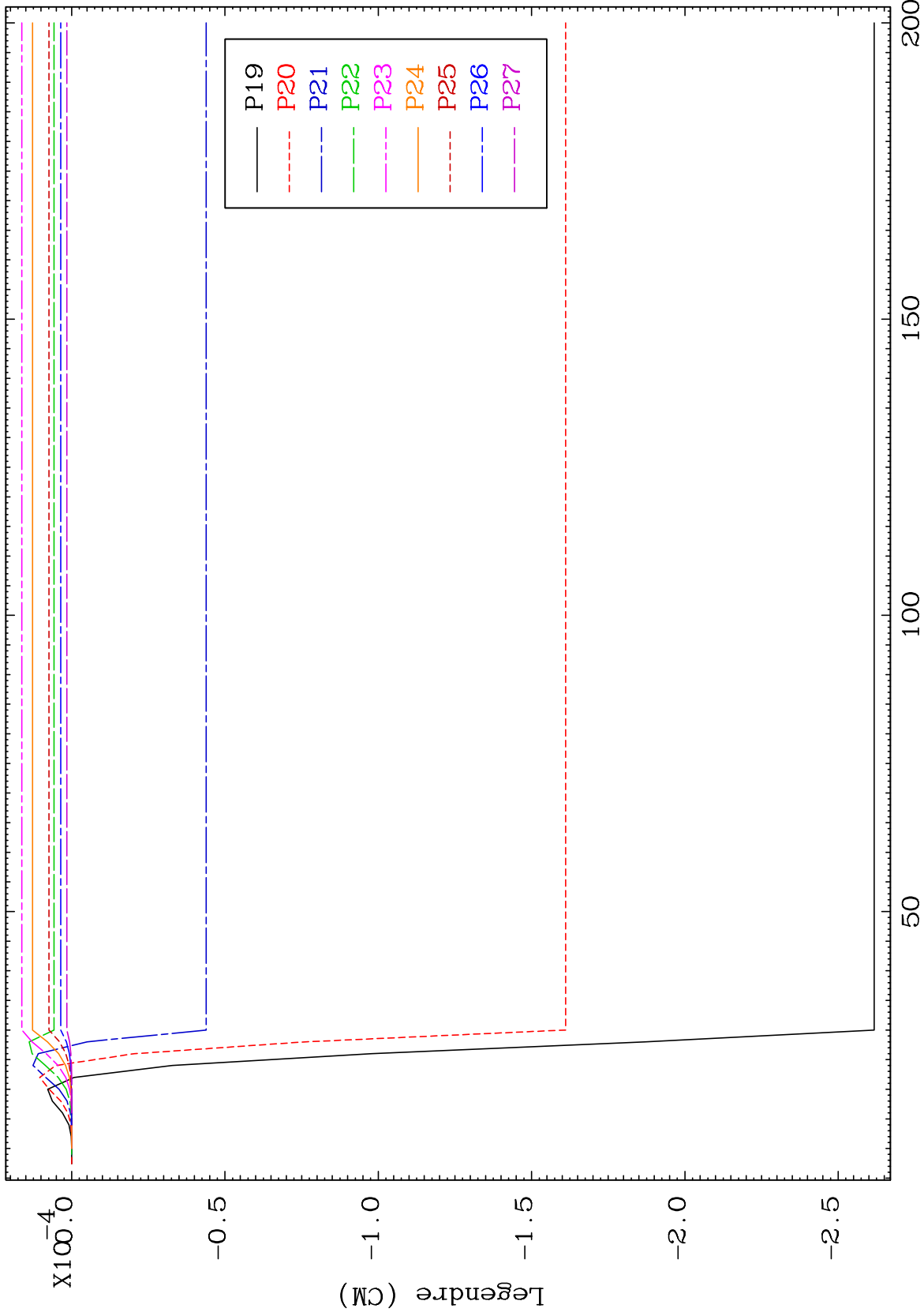
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



122

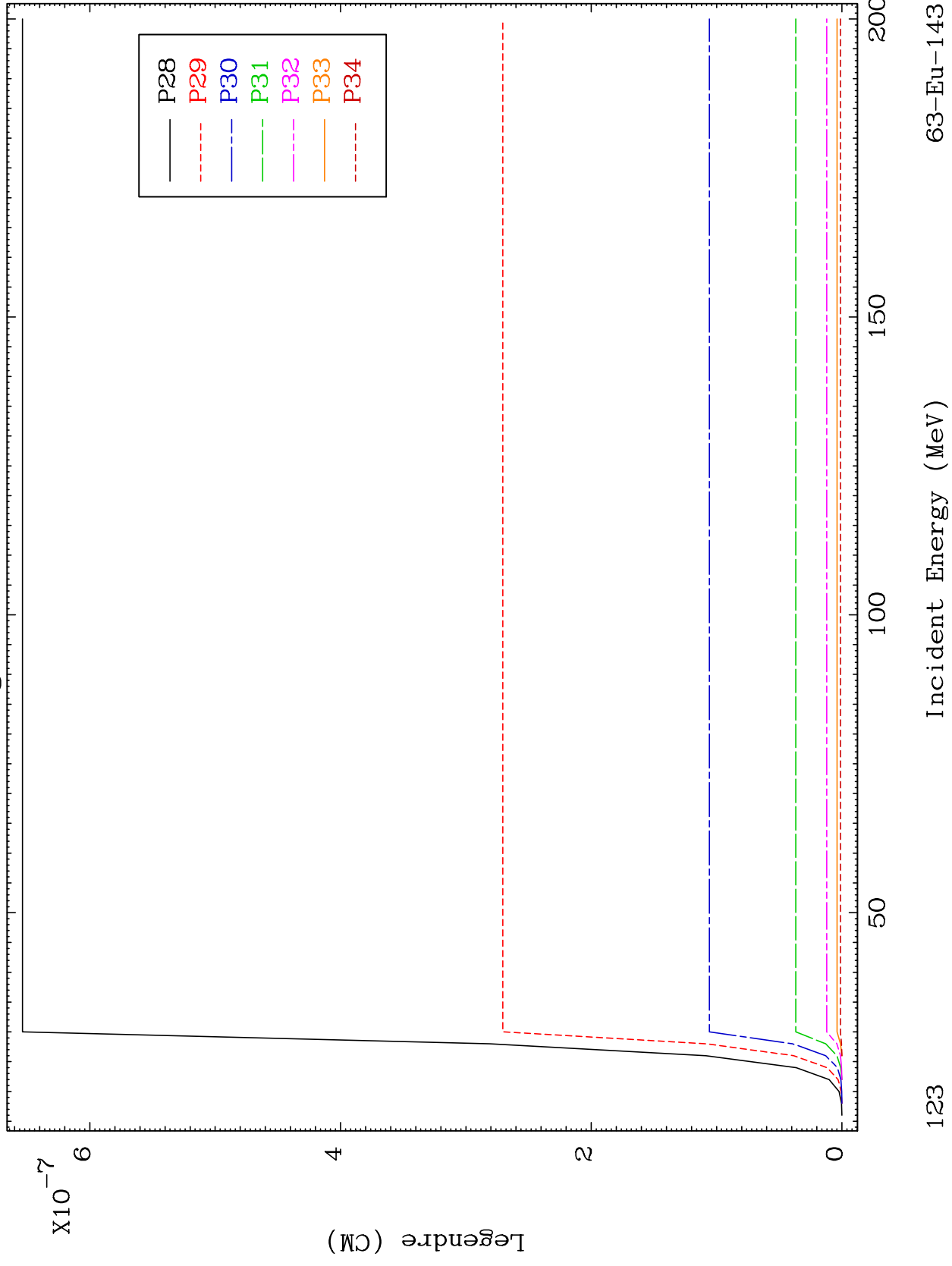
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



123

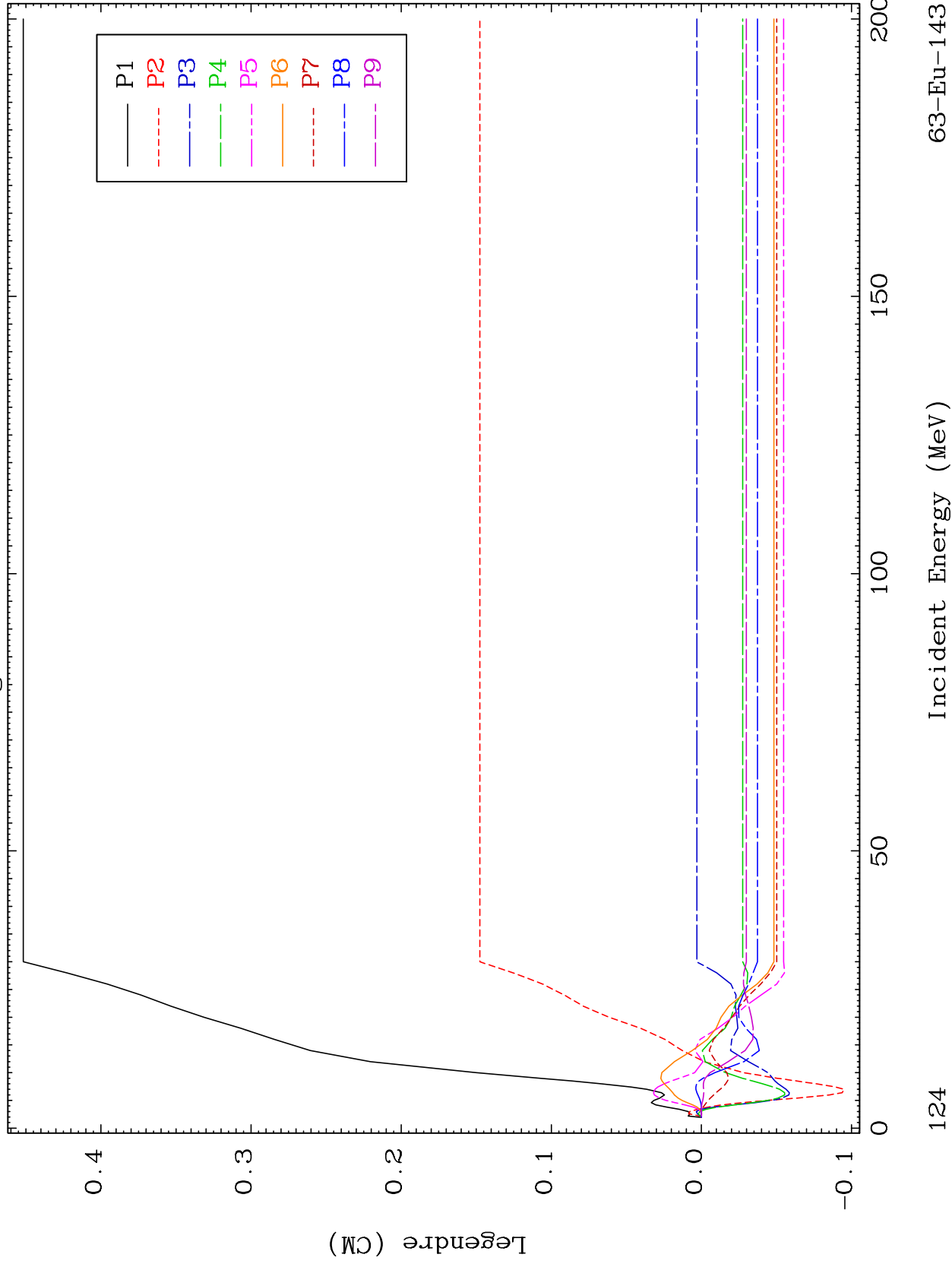
Incident Energy (MeV)

63-Eu-143

MAT 6301

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

63-Eu-143



63-Eu-143

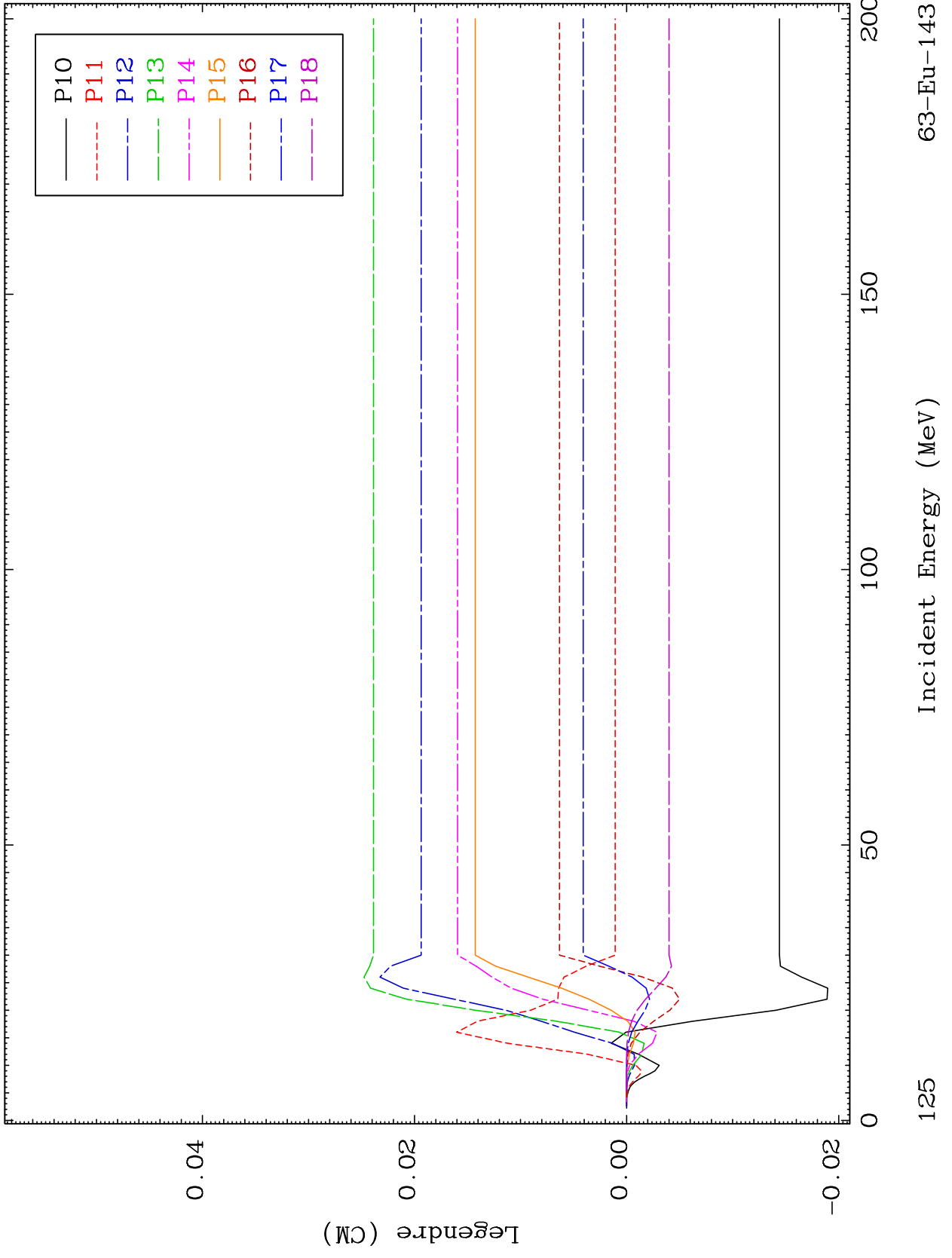
Incident Energy (MeV)

124

MAT 6301

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

63-Eu-143



63-Eu-143

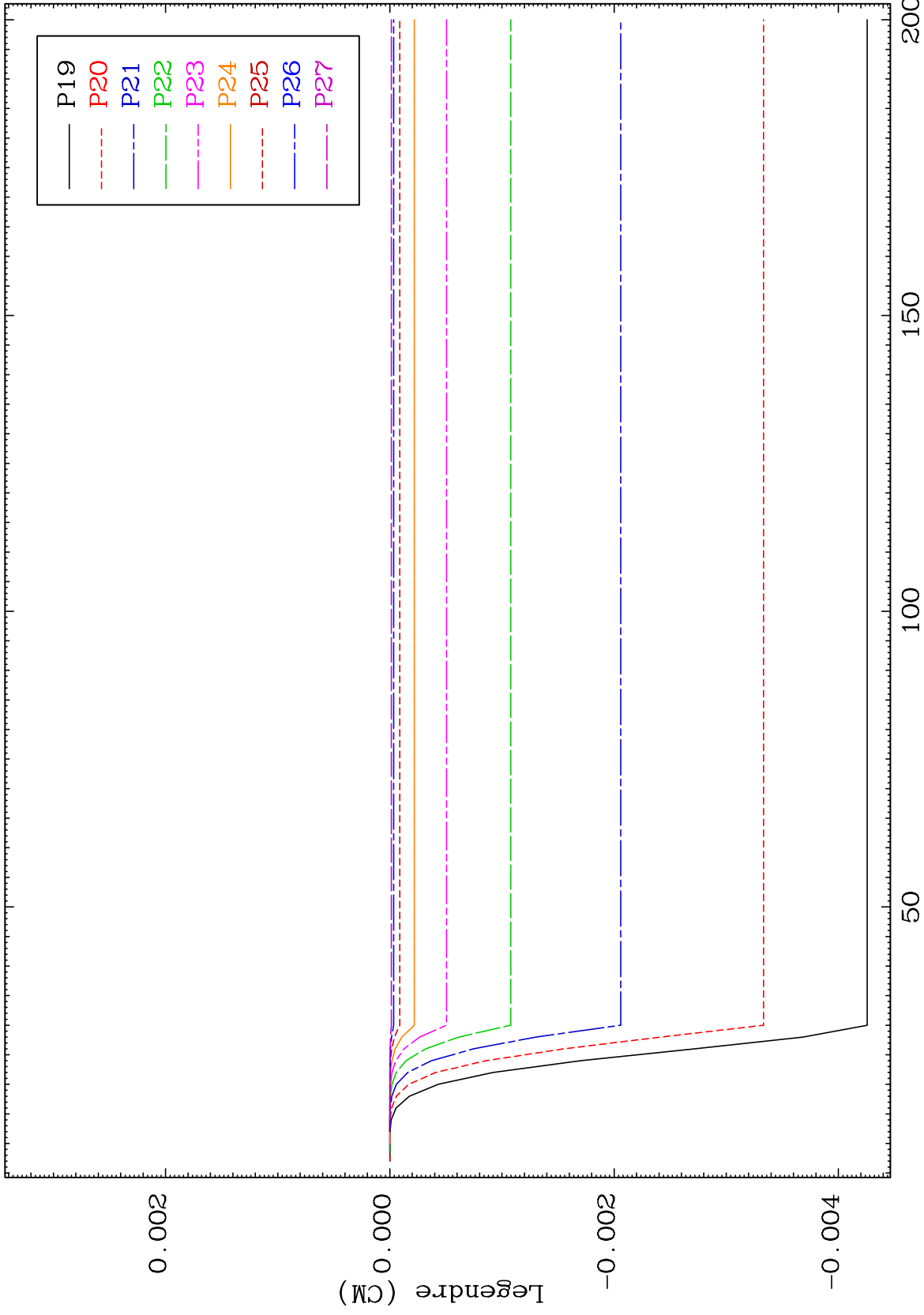
Incident Energy (MeV)

125

MAT 6301

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

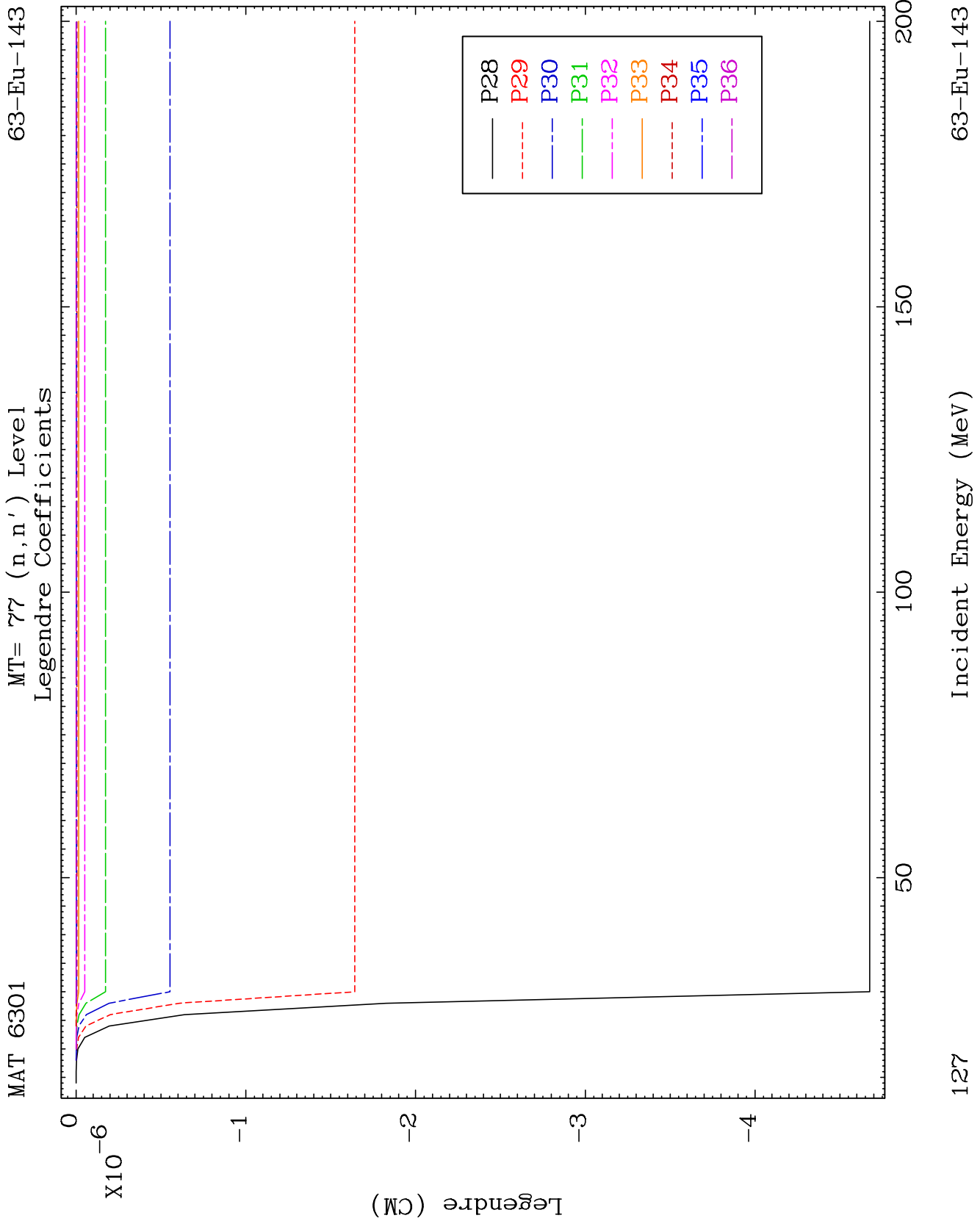
63-Eu-143



126

Incident Energy (MeV)

63-Eu-143

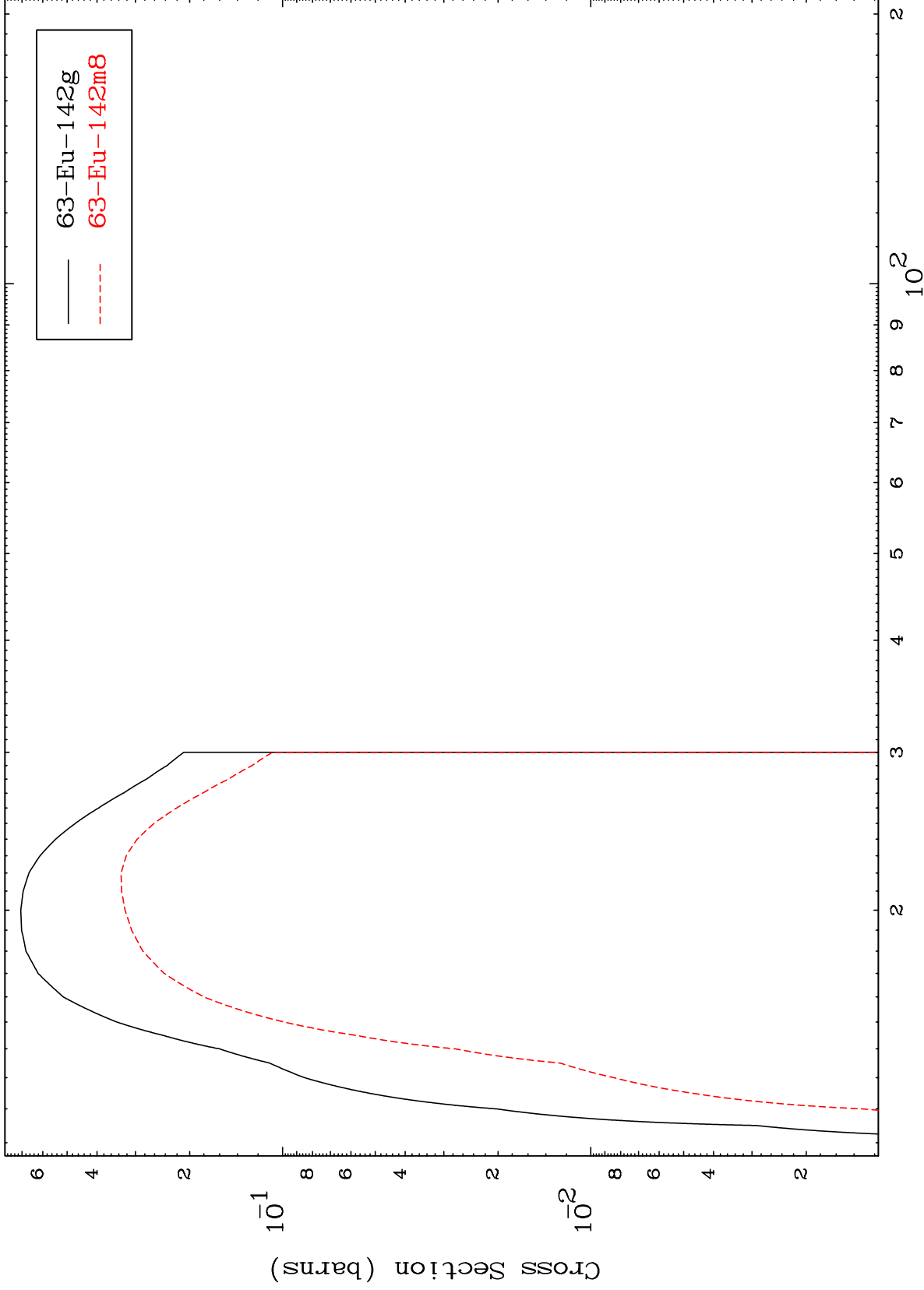


MAT 6301

(n,2n)

63-Eu-143

Radionuclide Production Cross Section



128

Incident Energy (MeV)

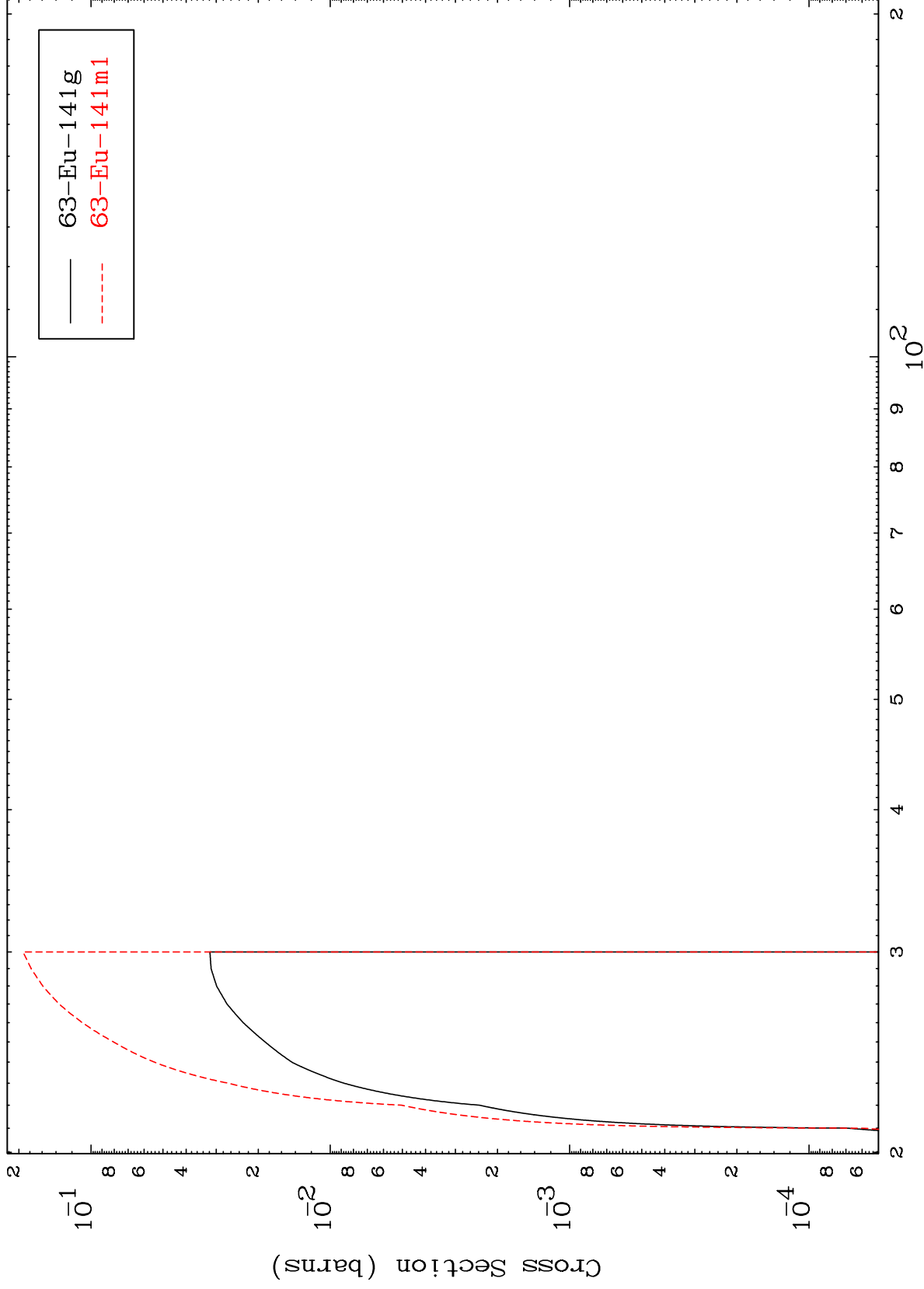
63-Eu-143

MAT 6301

(n,3n)

63-Eu-143

Radionuclide Production Cross Section



129

Incident Energy (MeV)

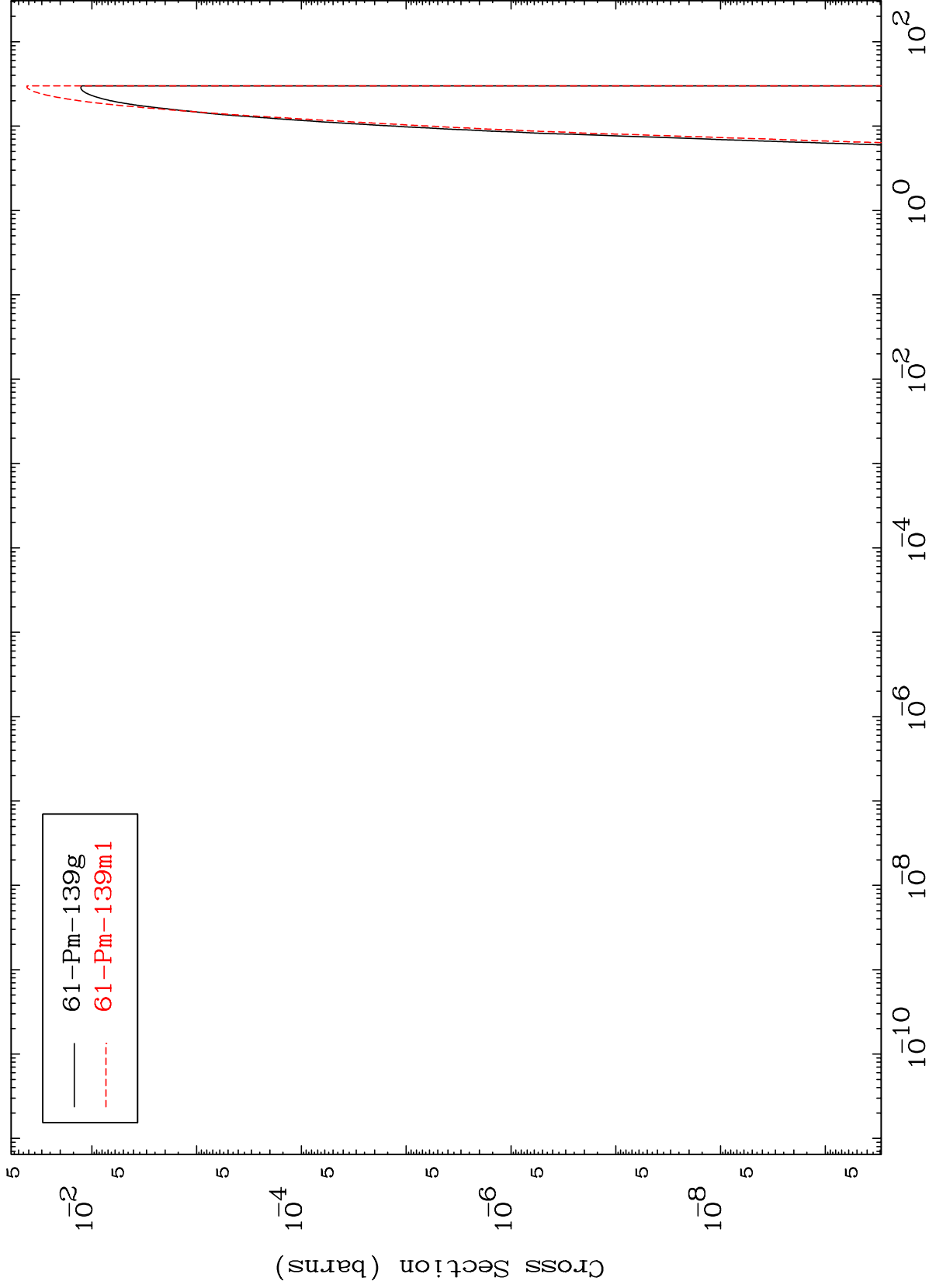
63-Eu-143

MAT 6301

$(n, n') \alpha$

63-Eu-143

Radionuclide Production Cross Section



61-Pm-139g
61-Pm-139m1

130

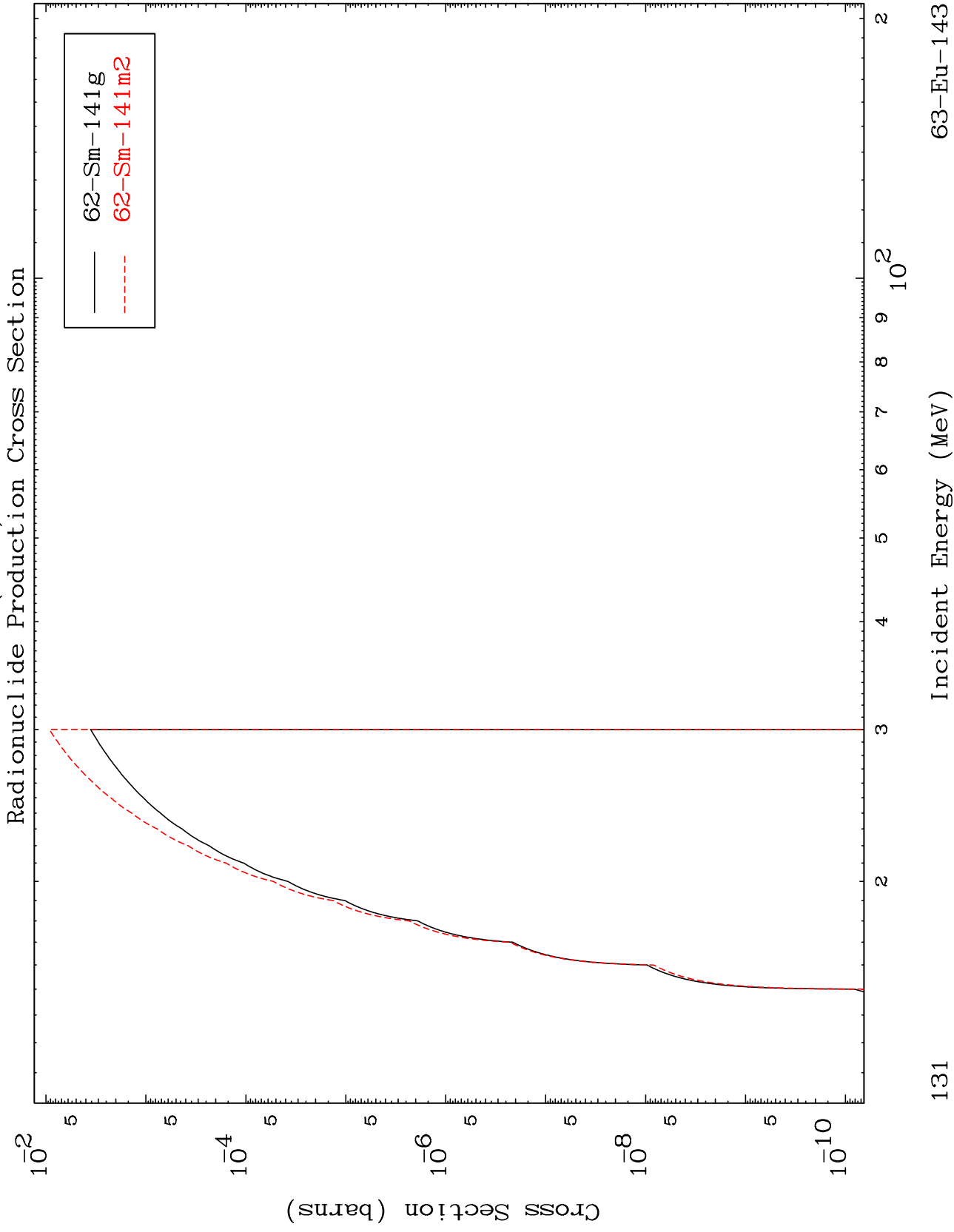
Incident Energy (MeV)

63-Eu-143

MAT 6301

(n,n') d

63-Eu-143



131

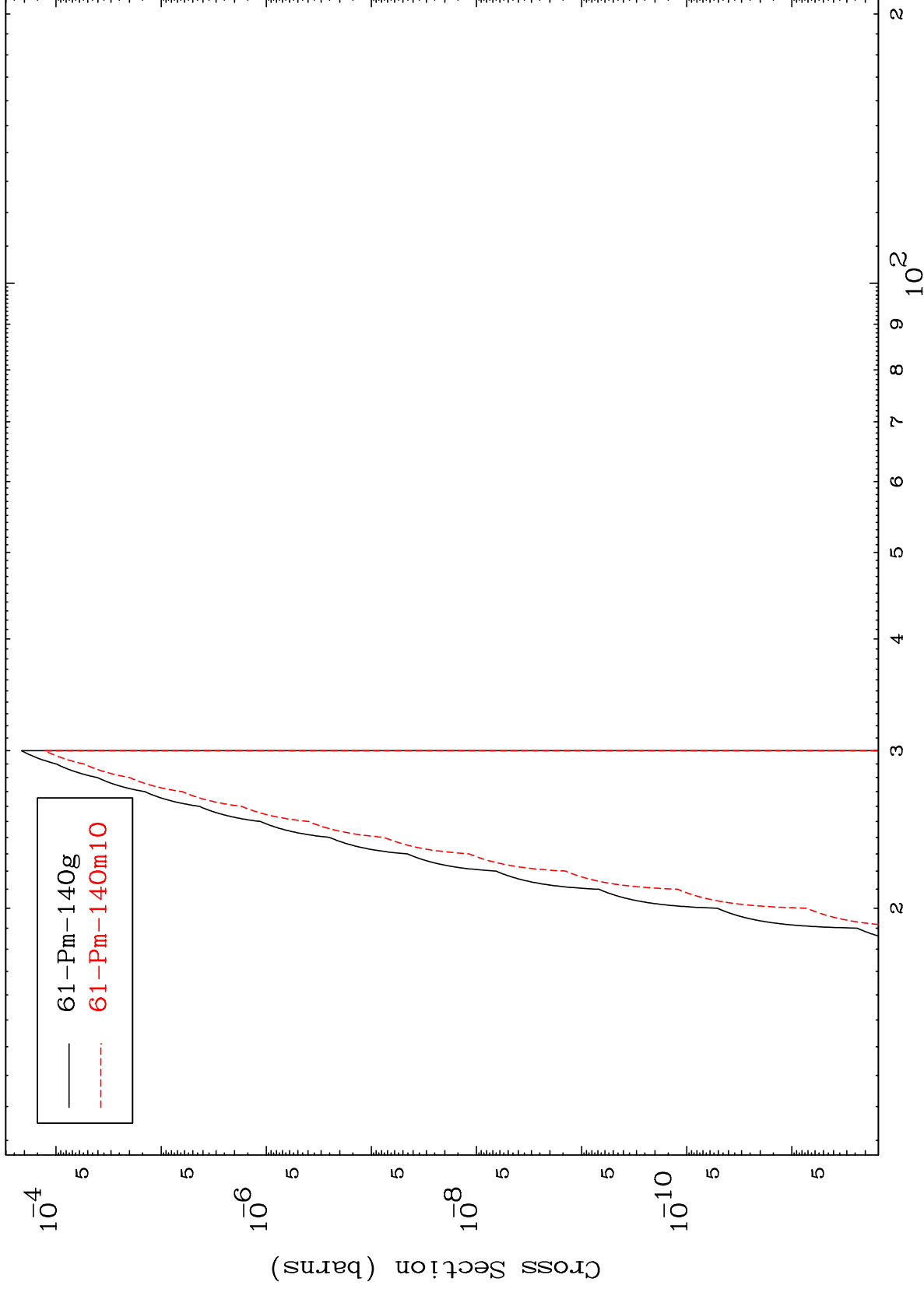
63-Eu-143

MAT 6301

(n,n') He-3

63-Eu-143

Radionuclide Production Cross Section

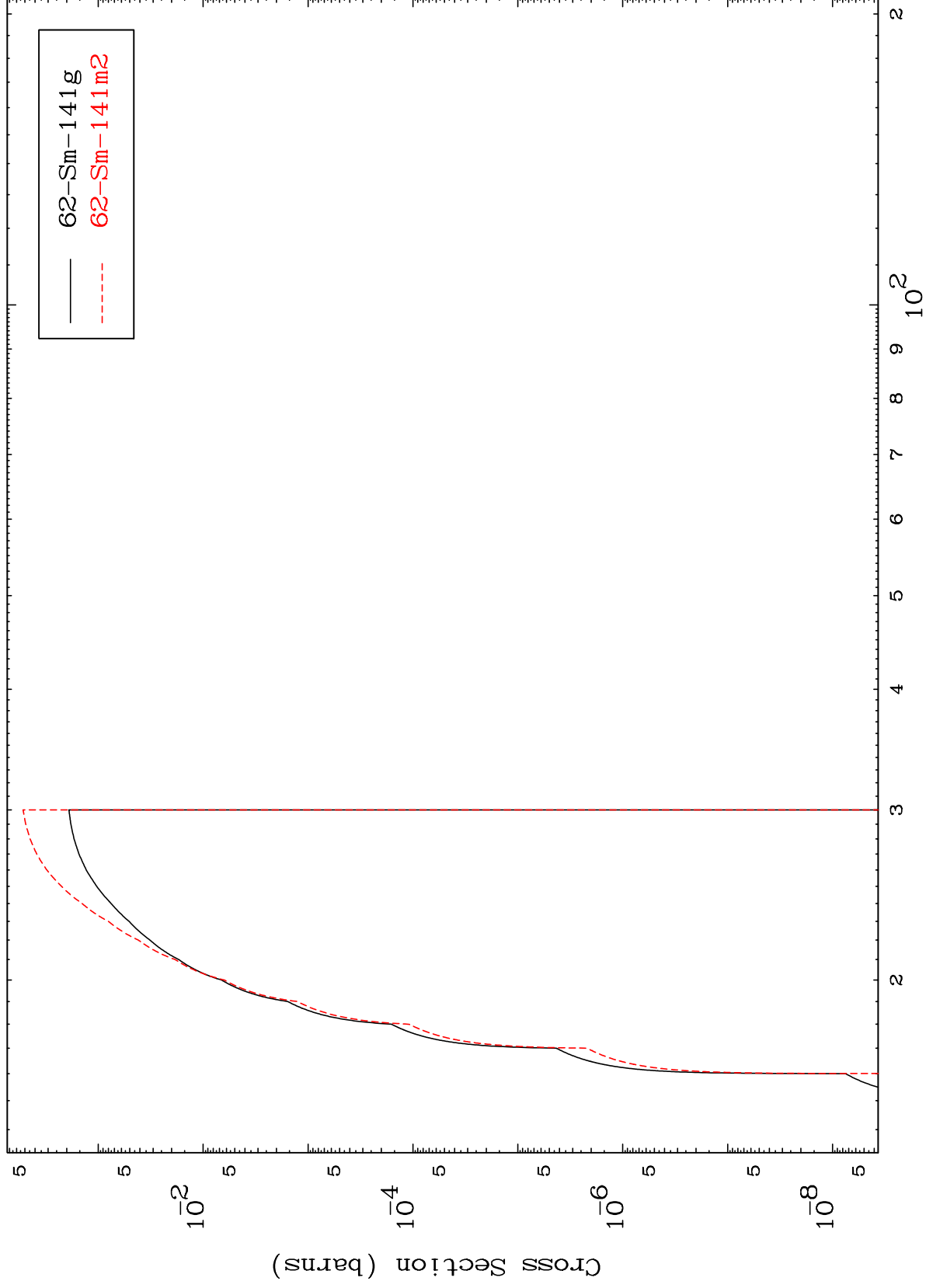


132

Incident Energy (MeV)

63-Eu-143

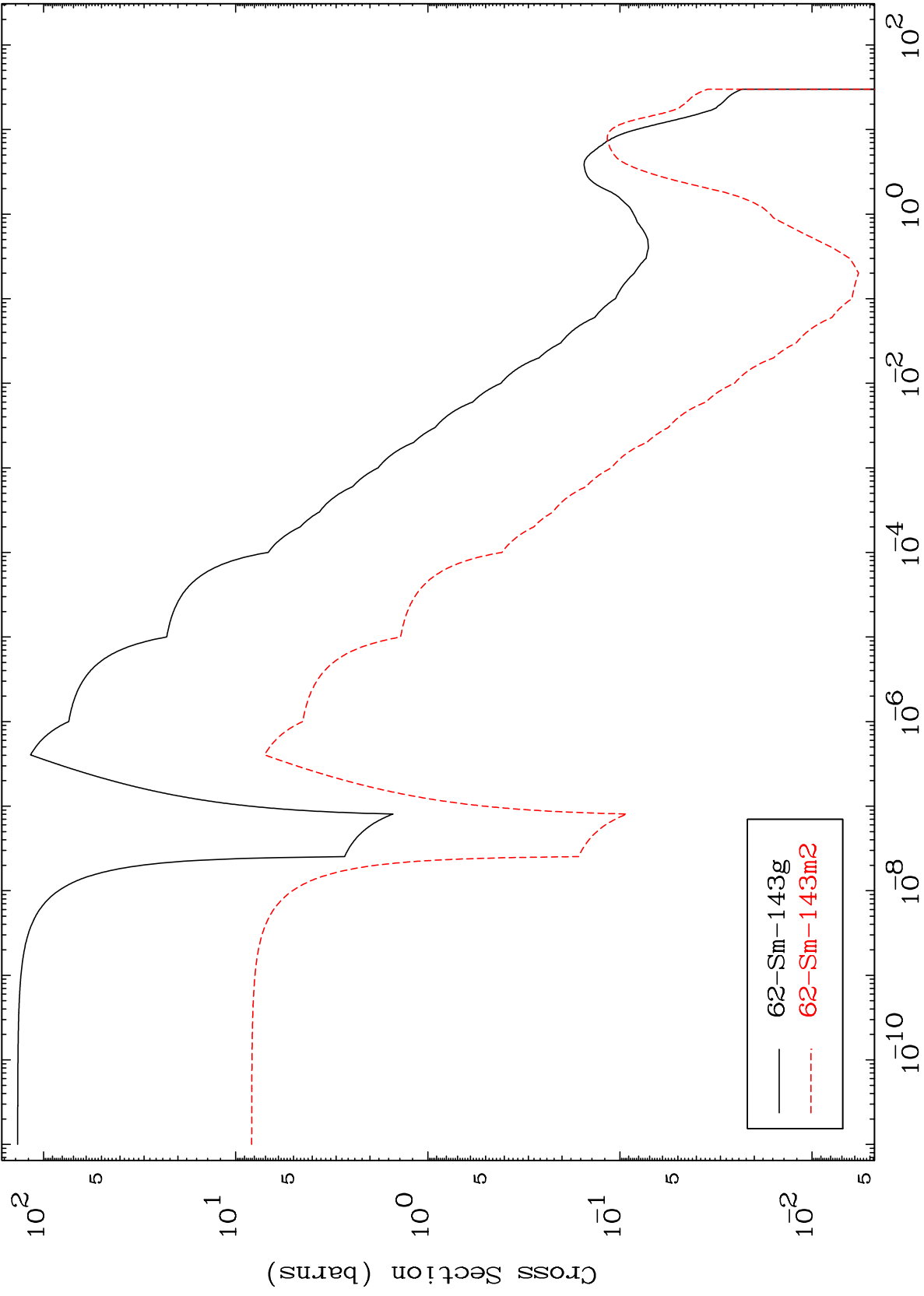
Radionuclide Production Cross Section



MAT 6301

63-Eu-143

(n,p)
Radionuclide Production Cross Section



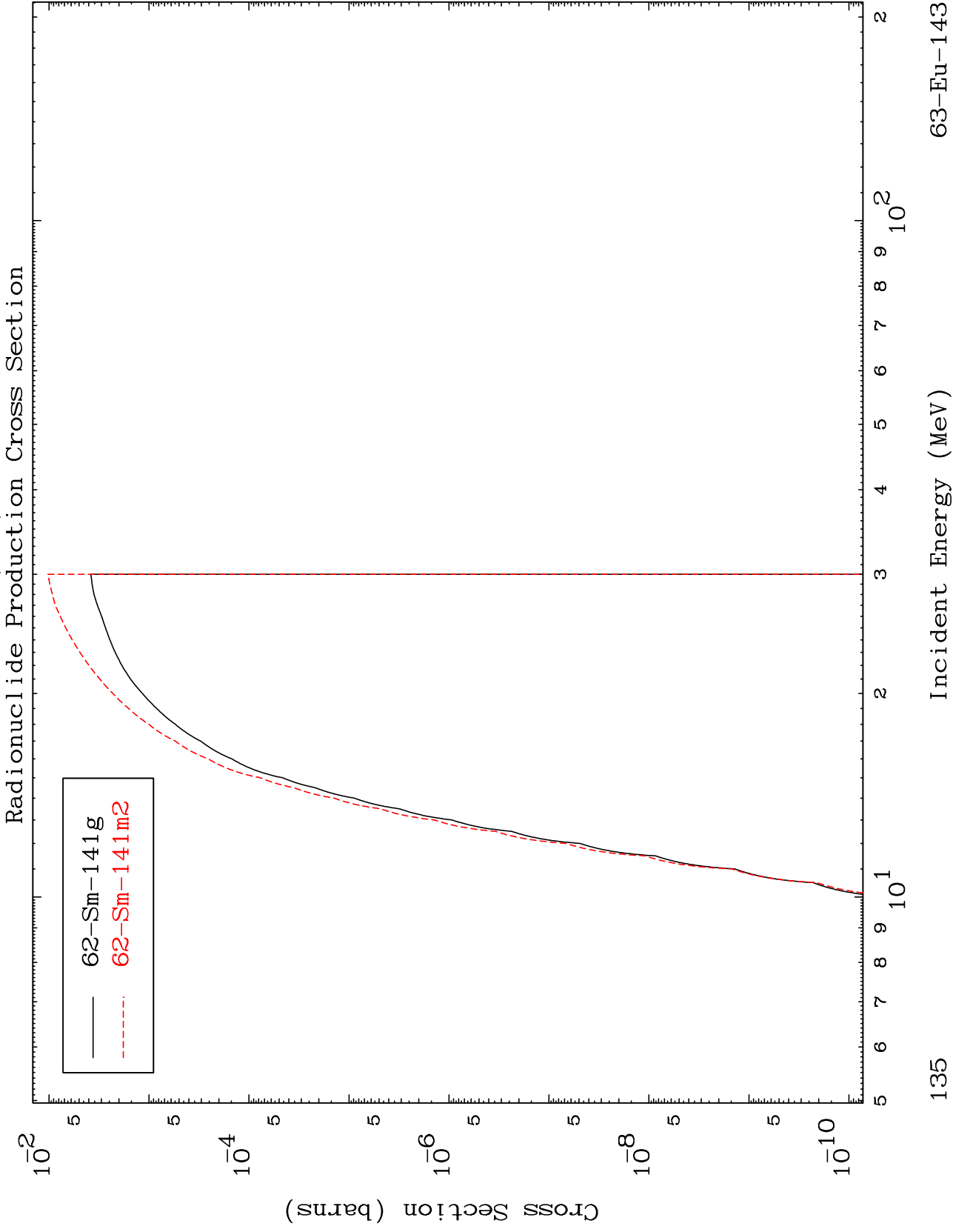
63-Eu-143

Incident Energy (MeV)

134

MAT 6301

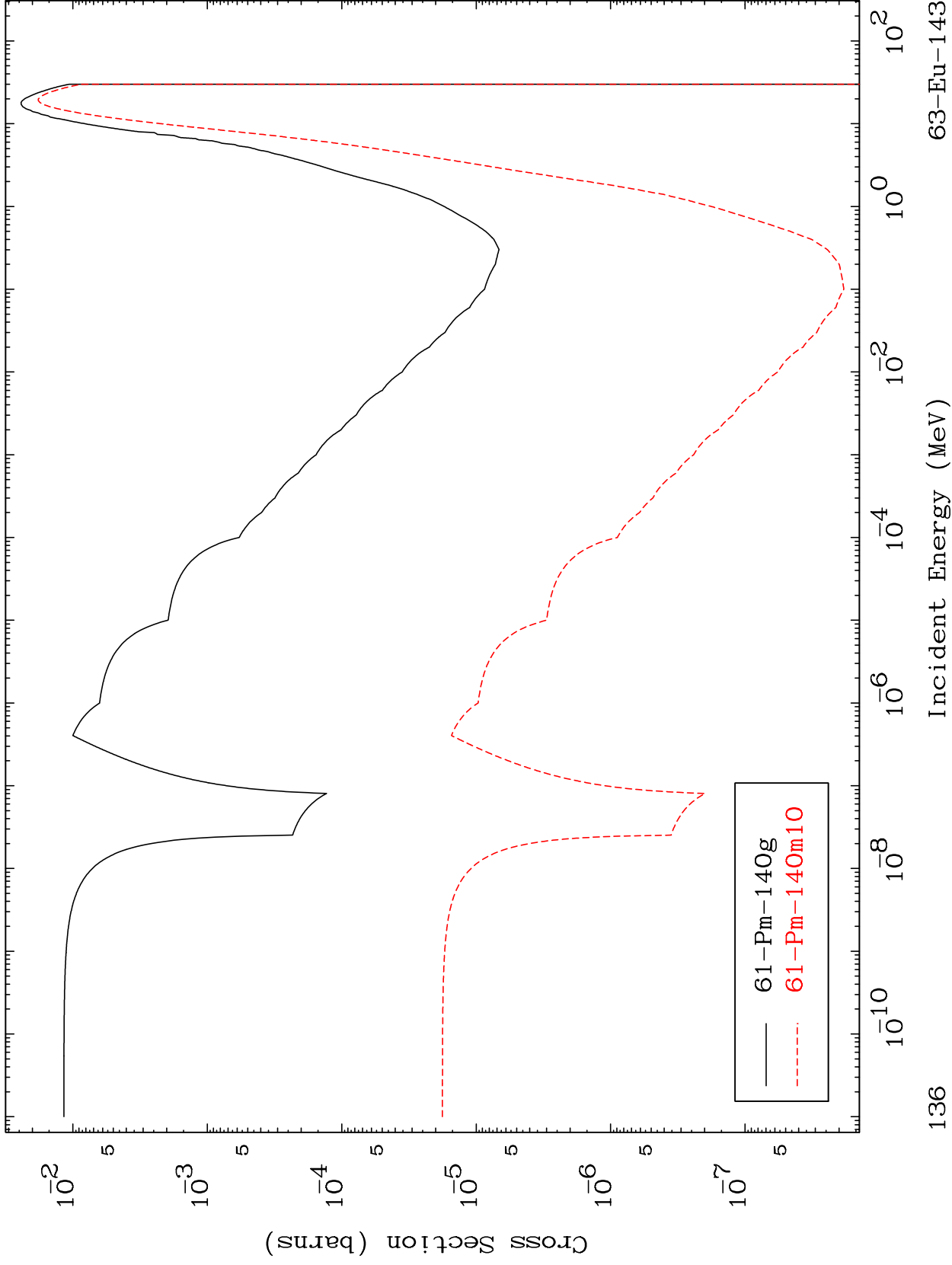
63-Eu-143



MAT 6301

63-Eu-143

(n, α)
Radionuclide Production Cross Section

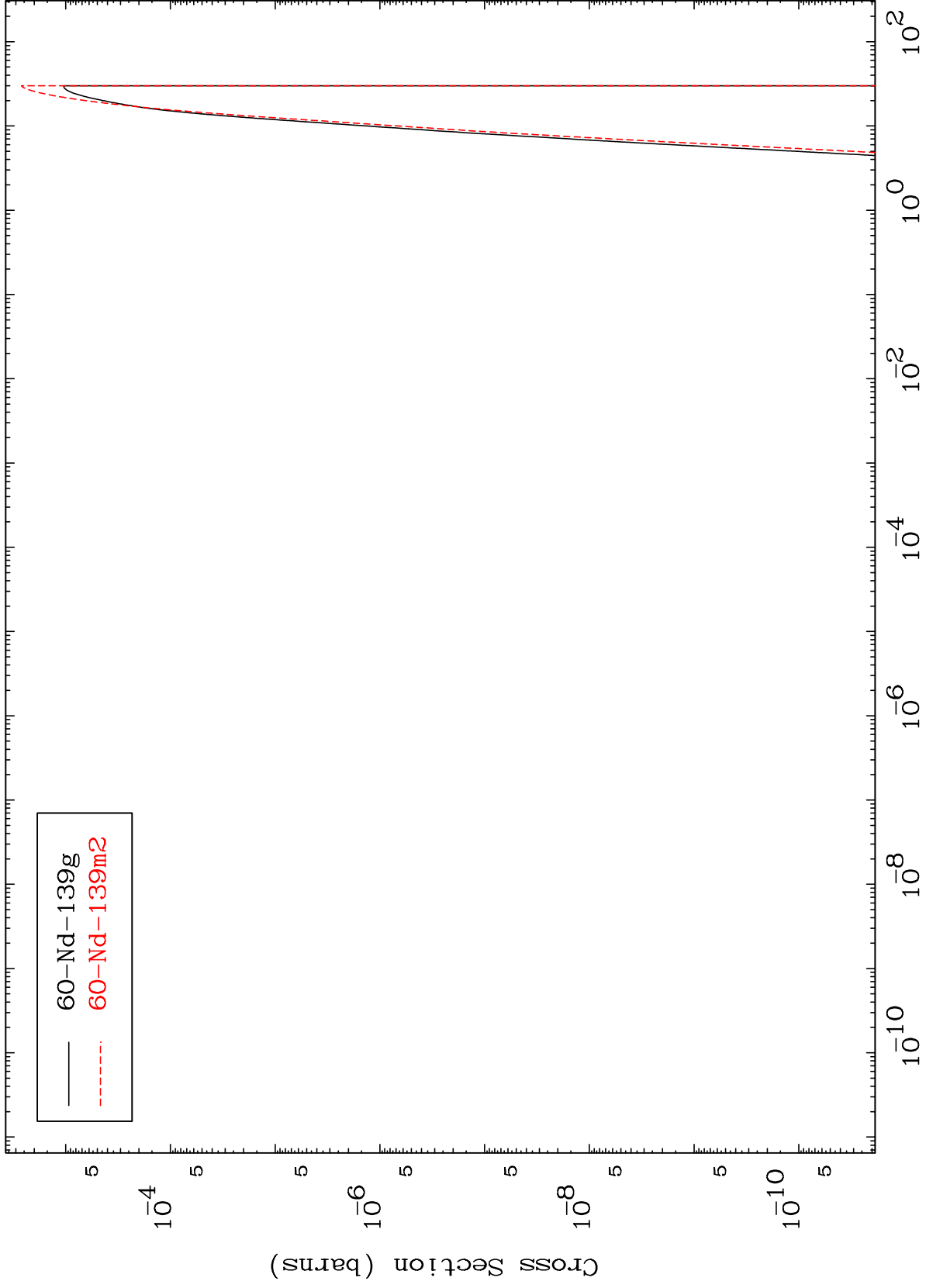


MAT 6301

(n,p) α

63-Eu-143

Radionuclide Production Cross Section



137

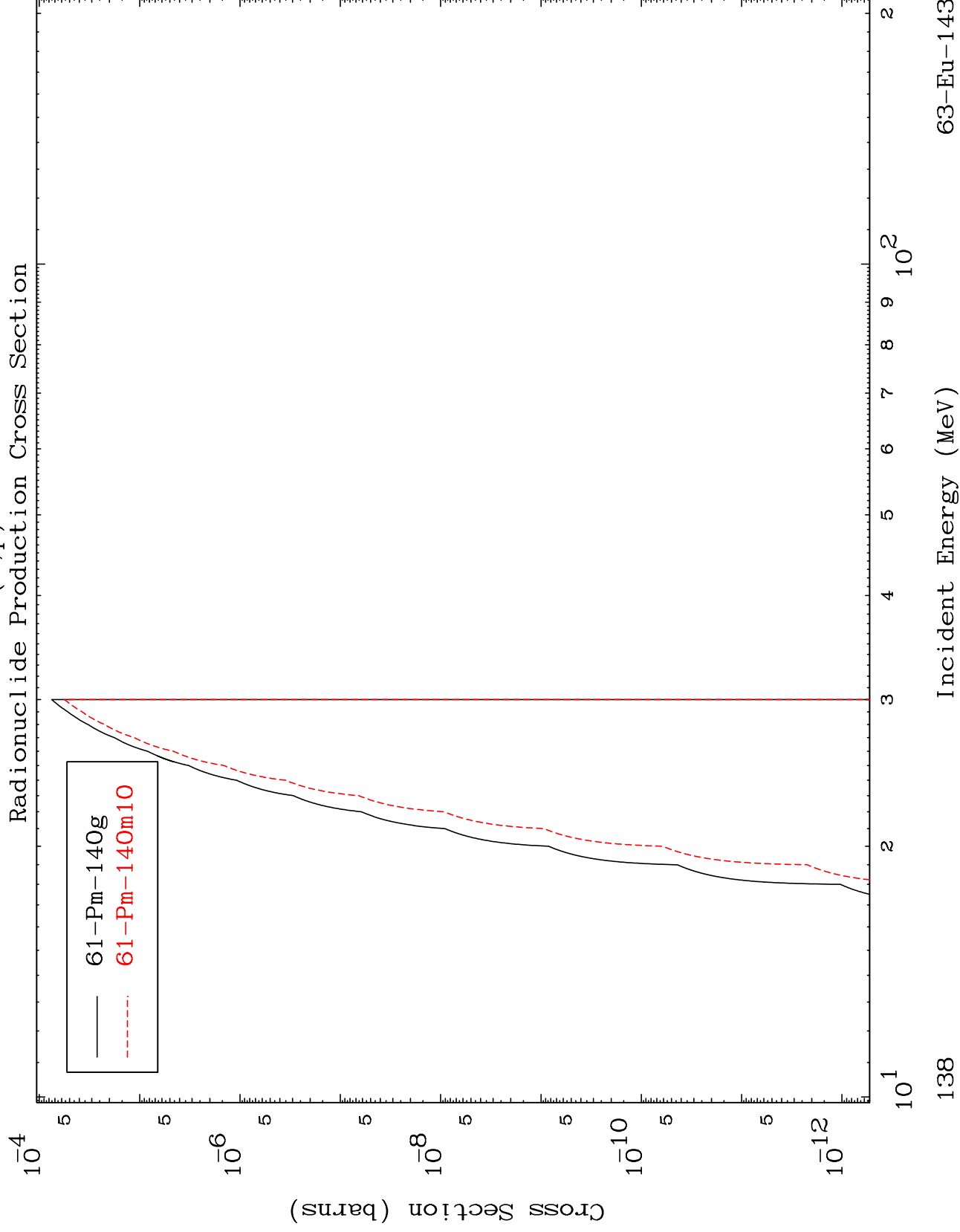
Incident Energy (MeV)

63-Eu-143

MAT 6301

(n,p) t

63-Eu-143



138

Incident Energy (MeV)

63-Eu-143