

Program EVALPLOT  
(Version 2021-1)

by

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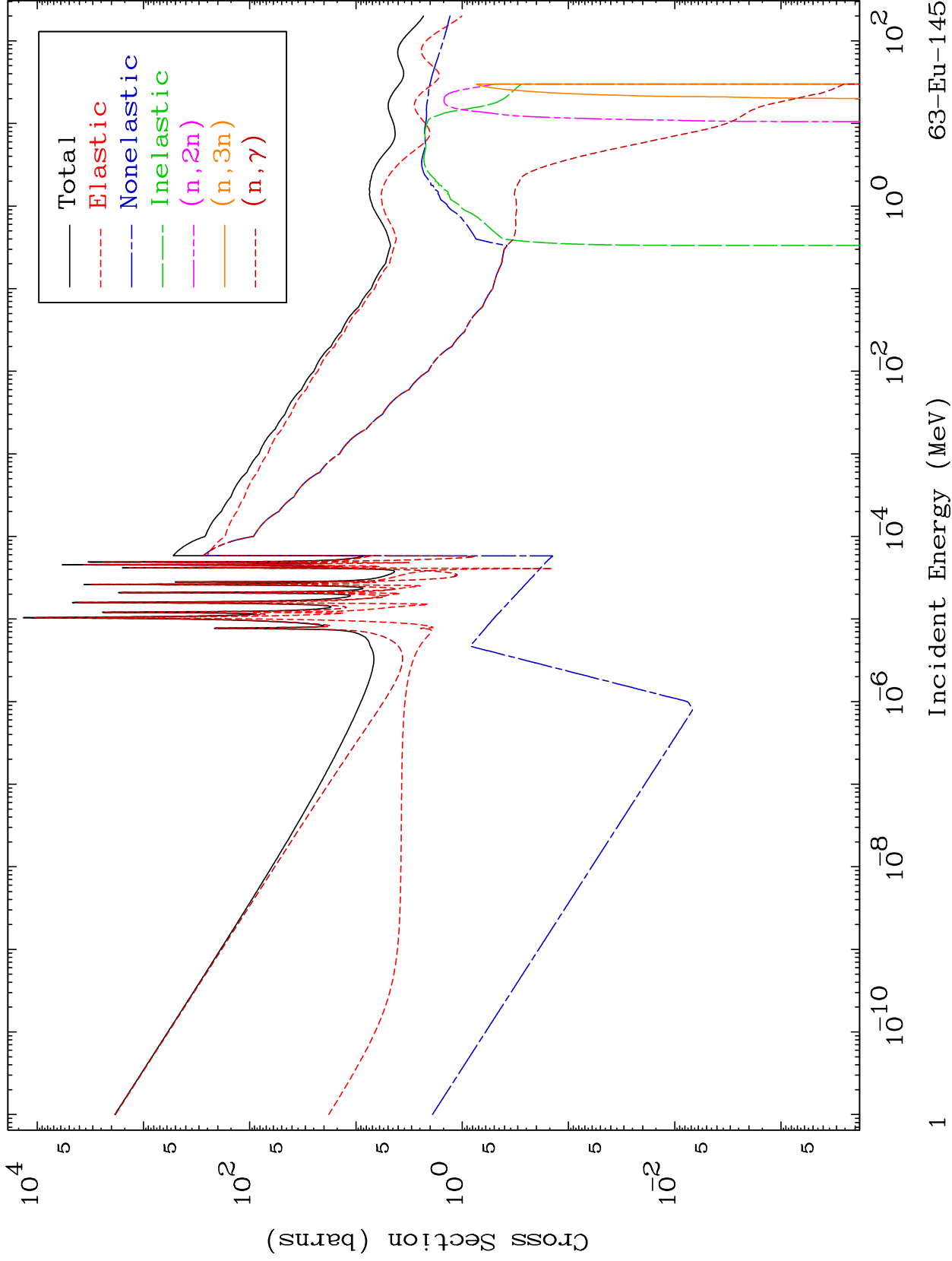
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Press Mouse Button to Start

MAT 6307

Neutron Major  
293 Kelvin Cross Sections

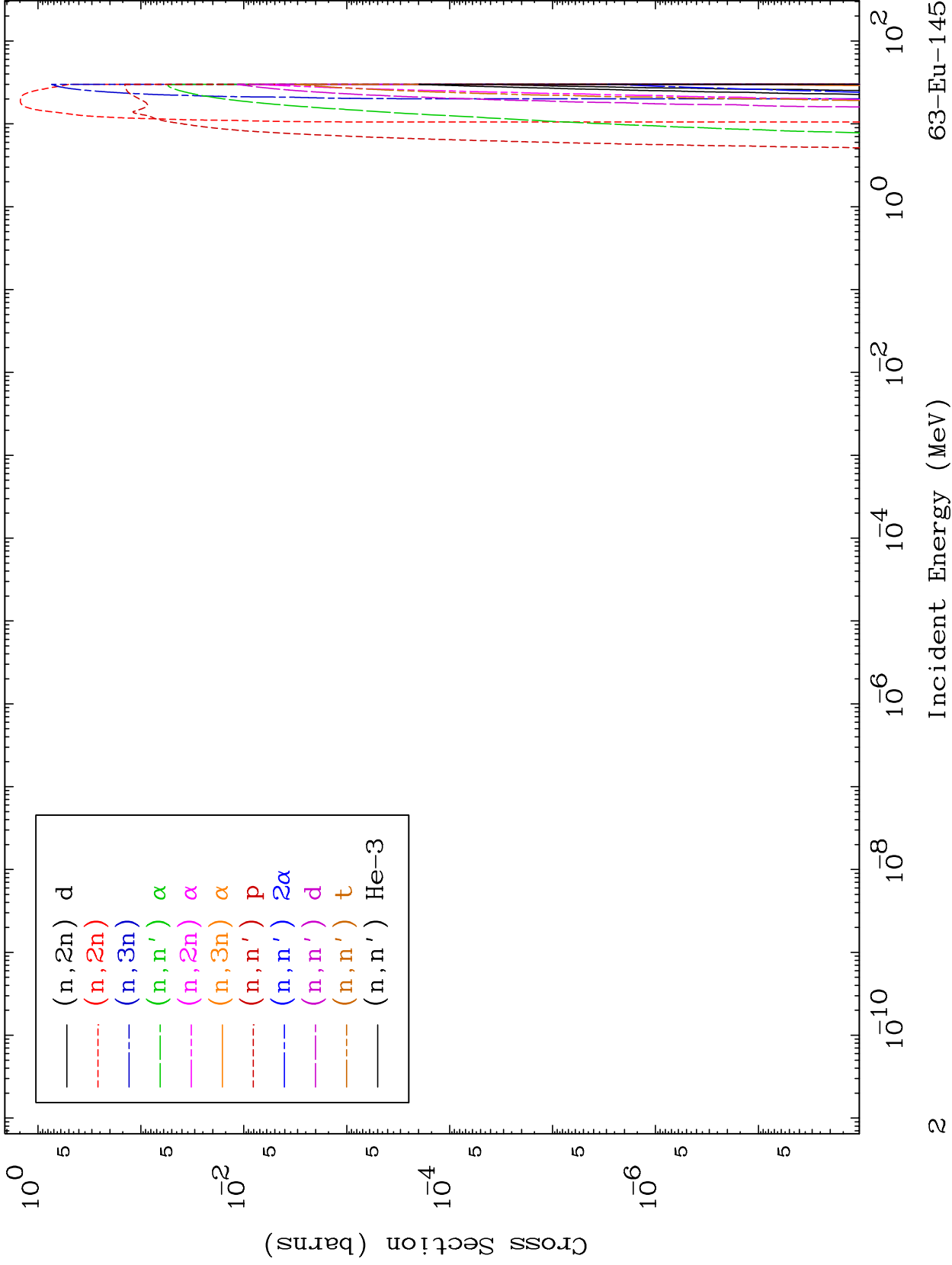
63-Eu-145



MAT 6307

Neutron Absorption  
293 Kelvin Cross Sections

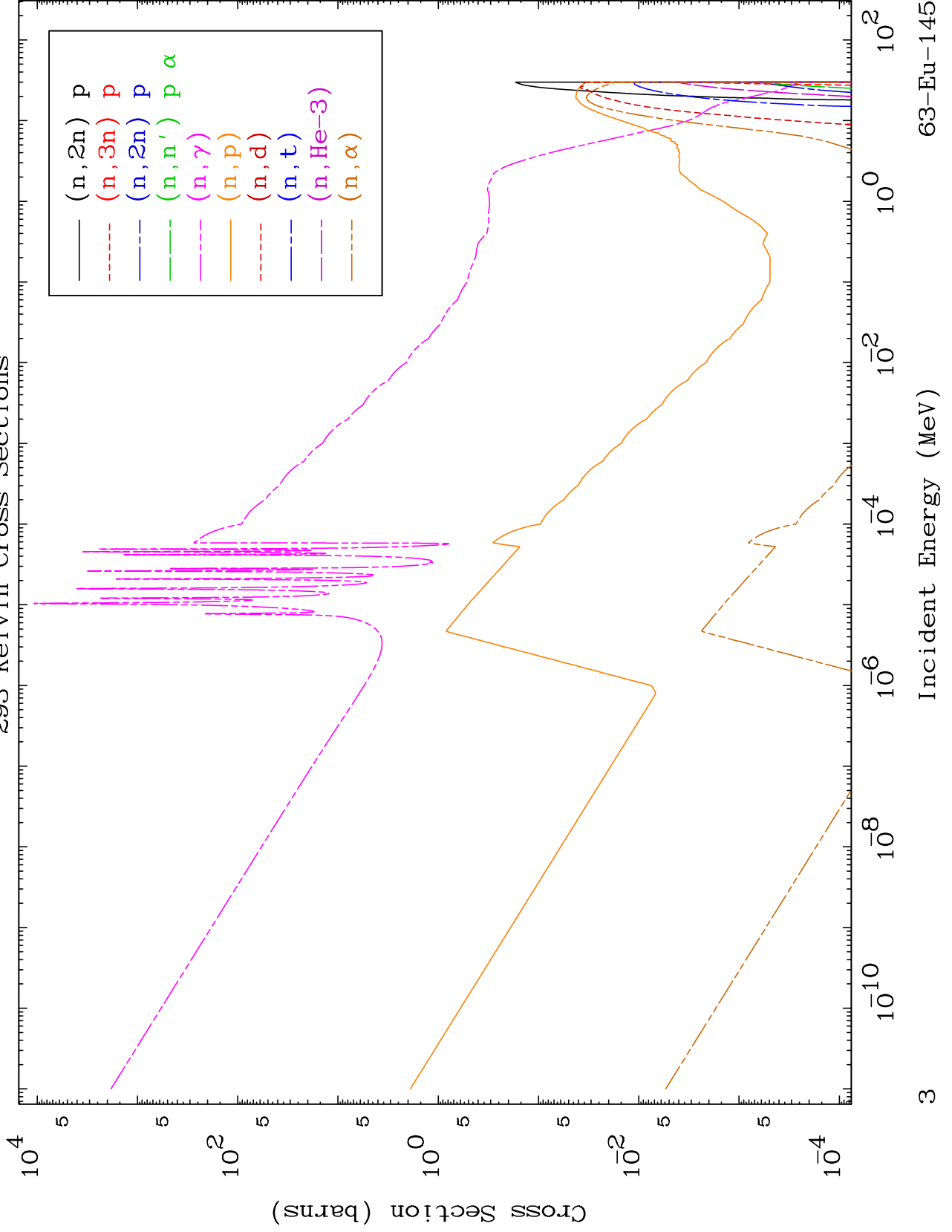
63-Eu-145



MAT 6307

Neutron Absorption  
293 Kelvin Cross Sections

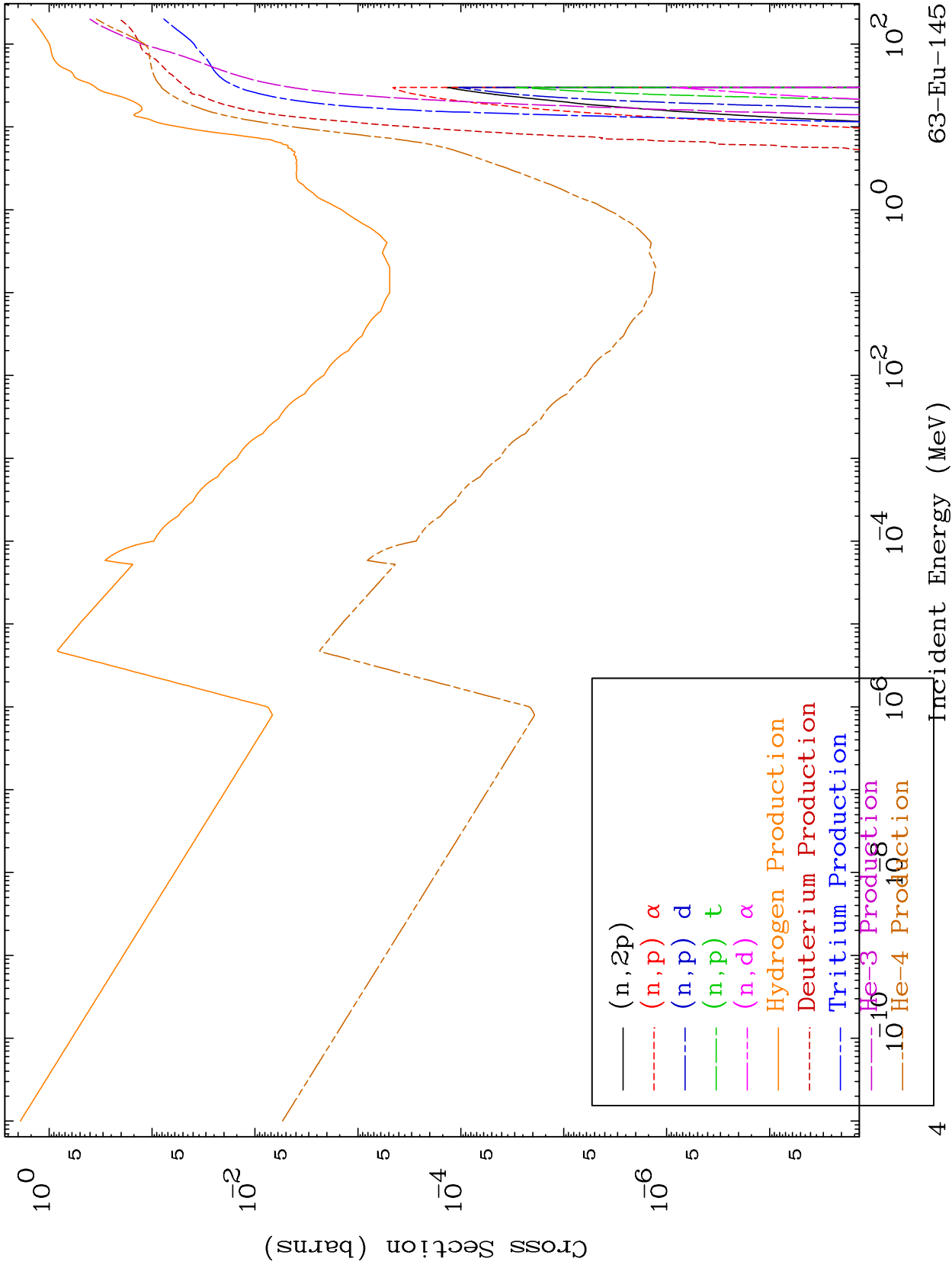
63-Eu-145



MAT 6307

Neutron Absorption  
293 Kelvin Cross Sections

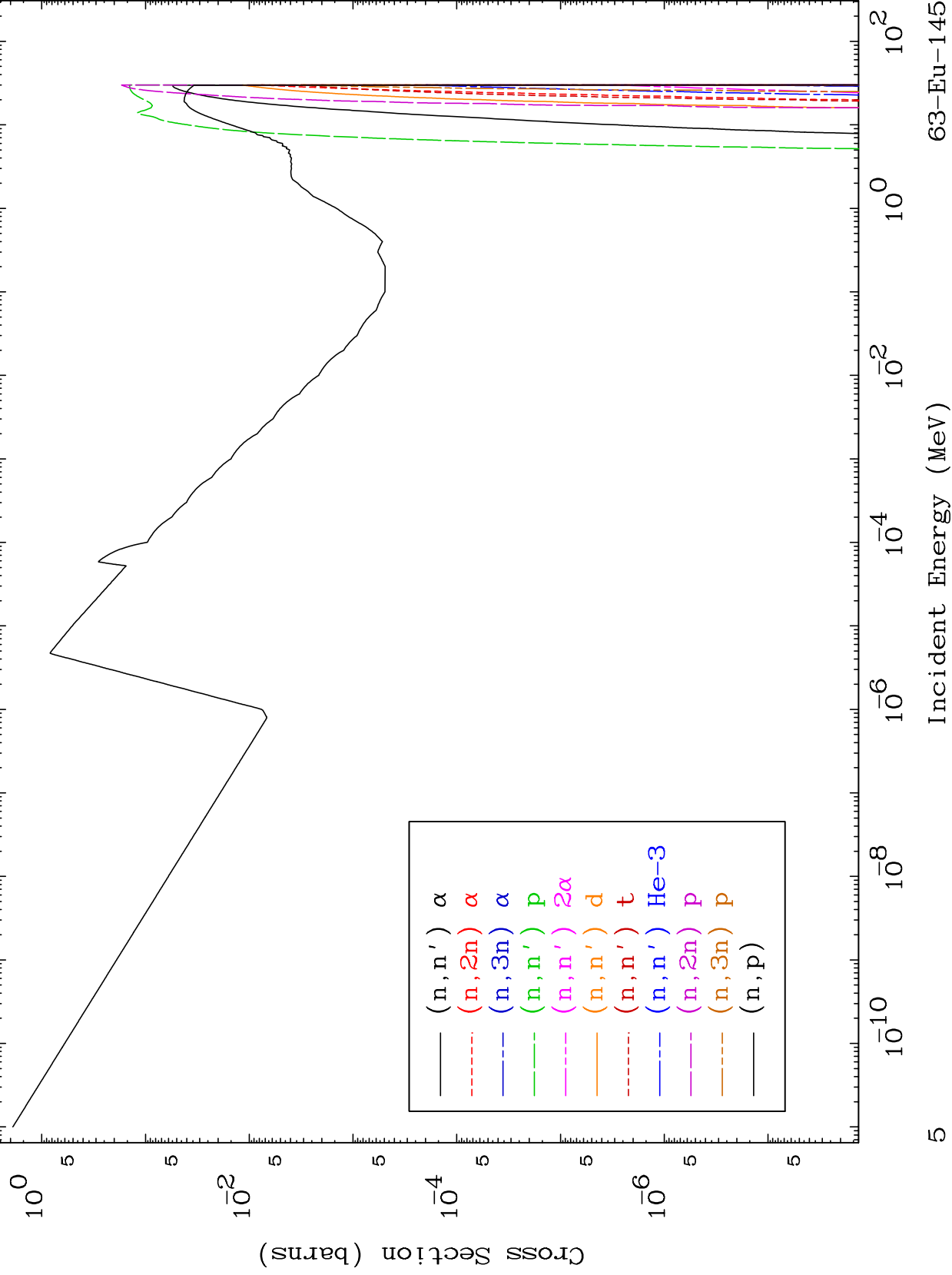
63-Eu-145



MAT 6307

Charged Particle  
293 Kelvin Cross Sections

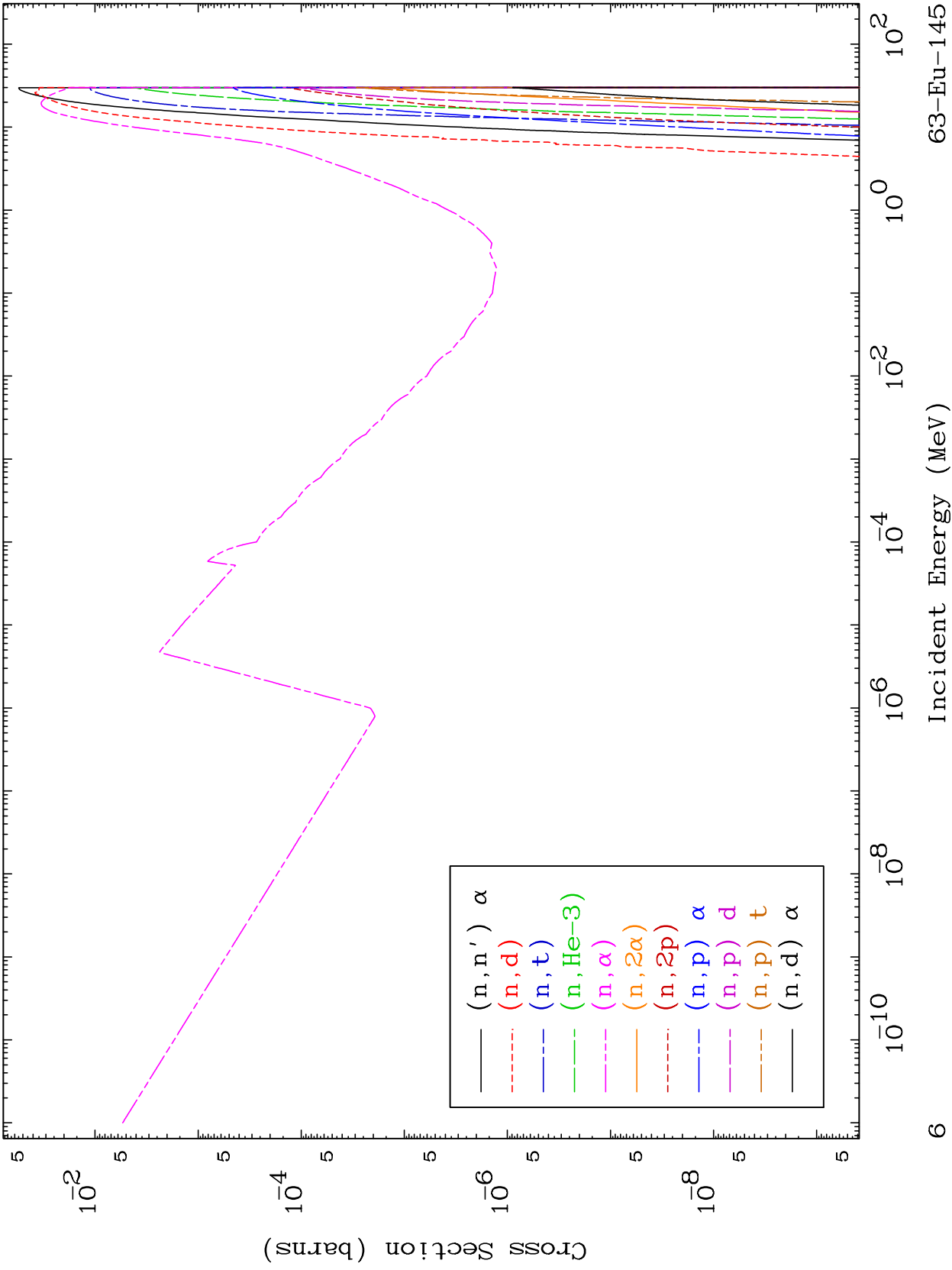
63-Eu-145



MAT 6307

Charged Particle  
293 Kelvin Cross Sections

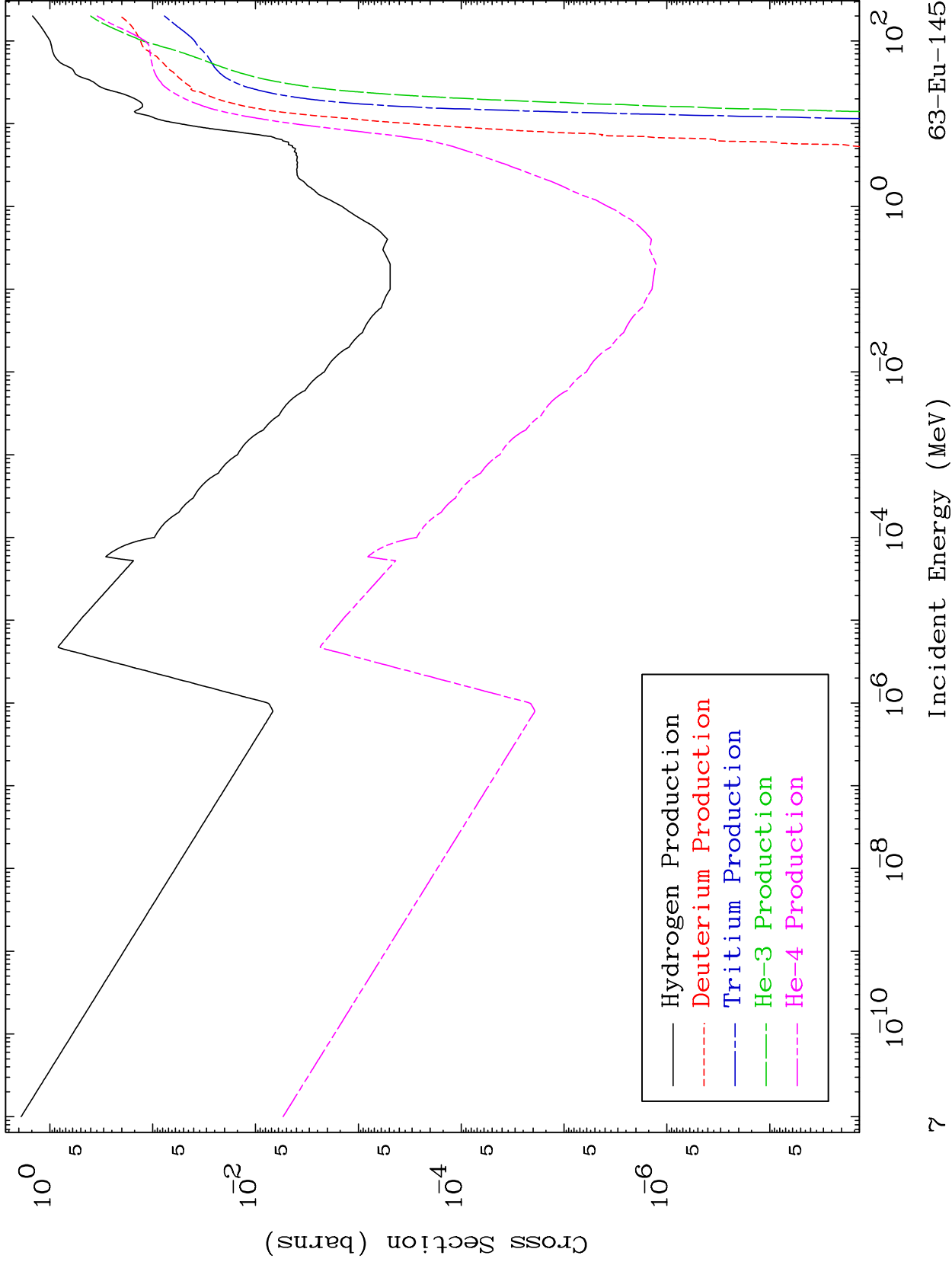
63-Eu-145



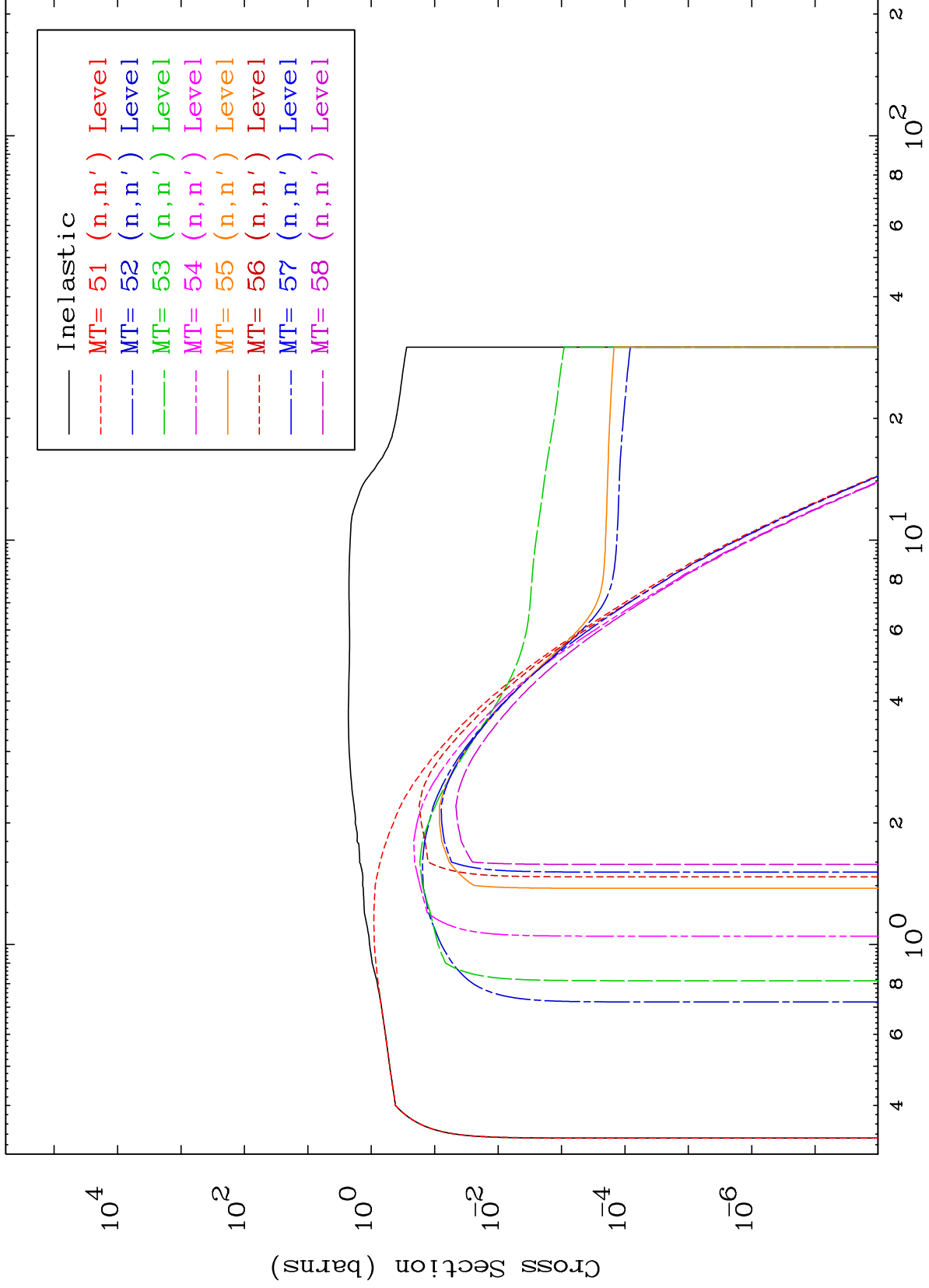
MAT 6307

Particle Production  
293 Kelvin Cross Sections

63-Eu-145



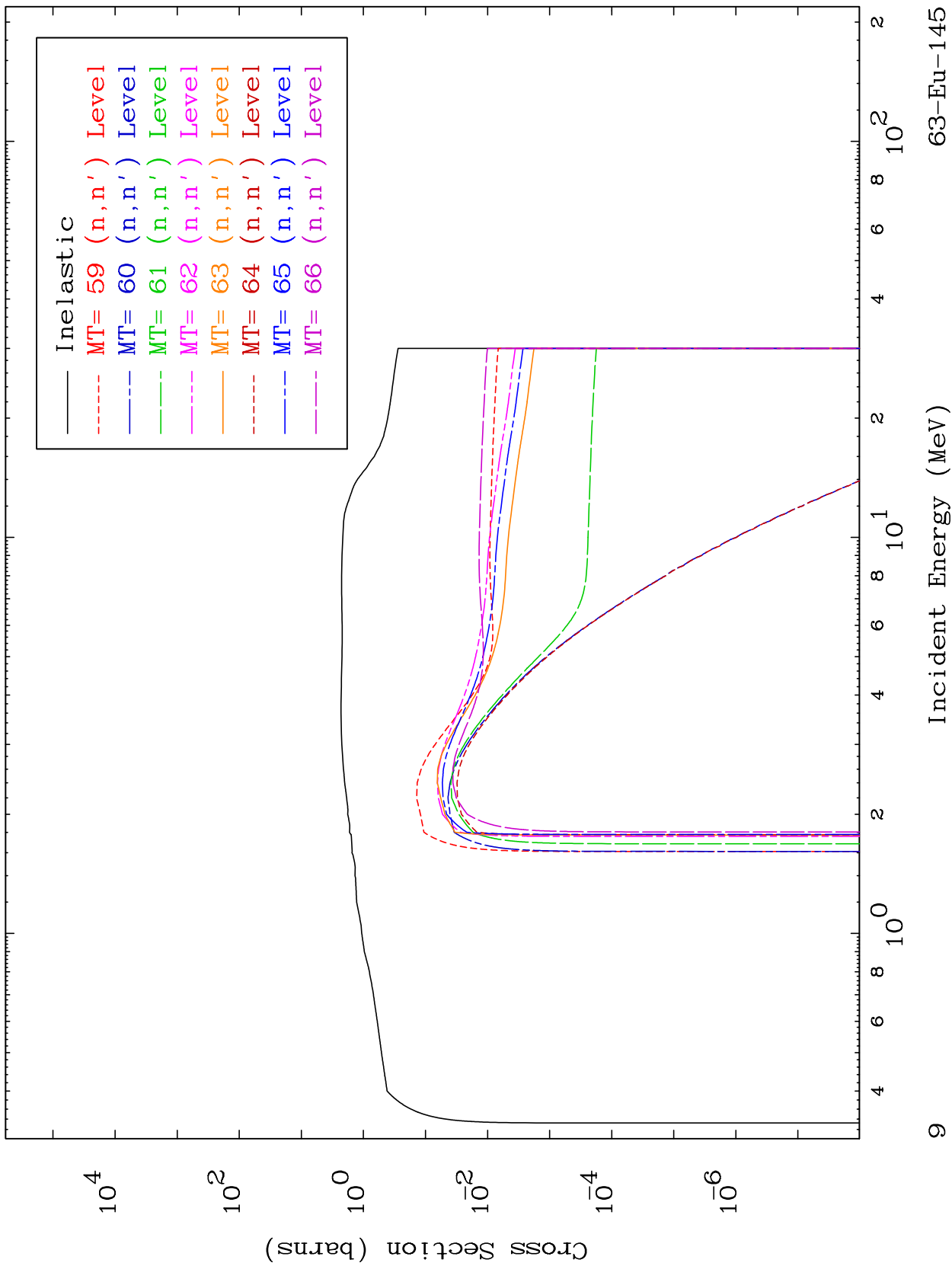
293 Kelvin Cross Sections



MAT 6307

(n,n') Levels  
293 Kelvin Cross Sections

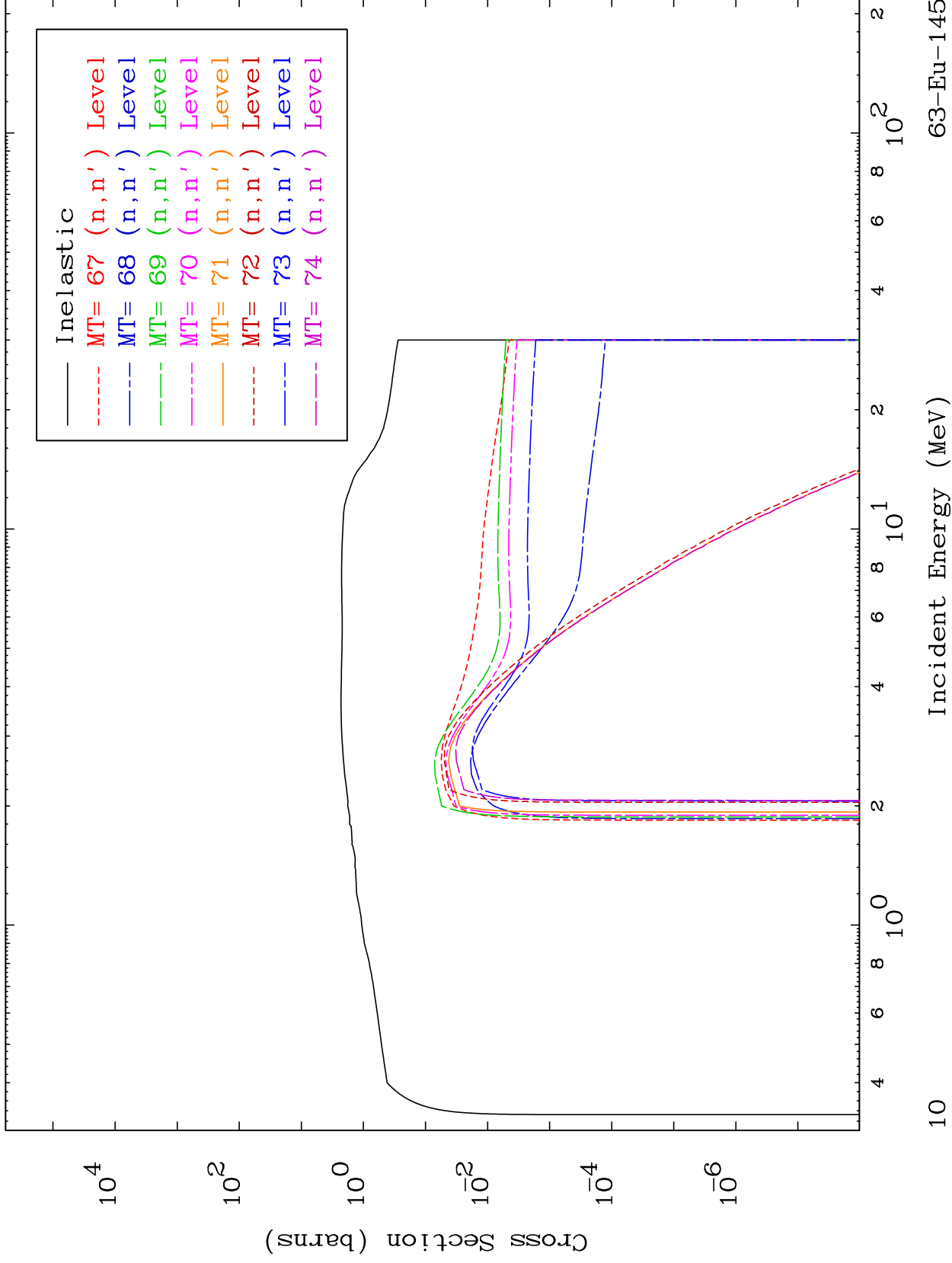
63-Eu-145



MAT 6307

(n,n') Levels  
293 Kelvin Cross Sections

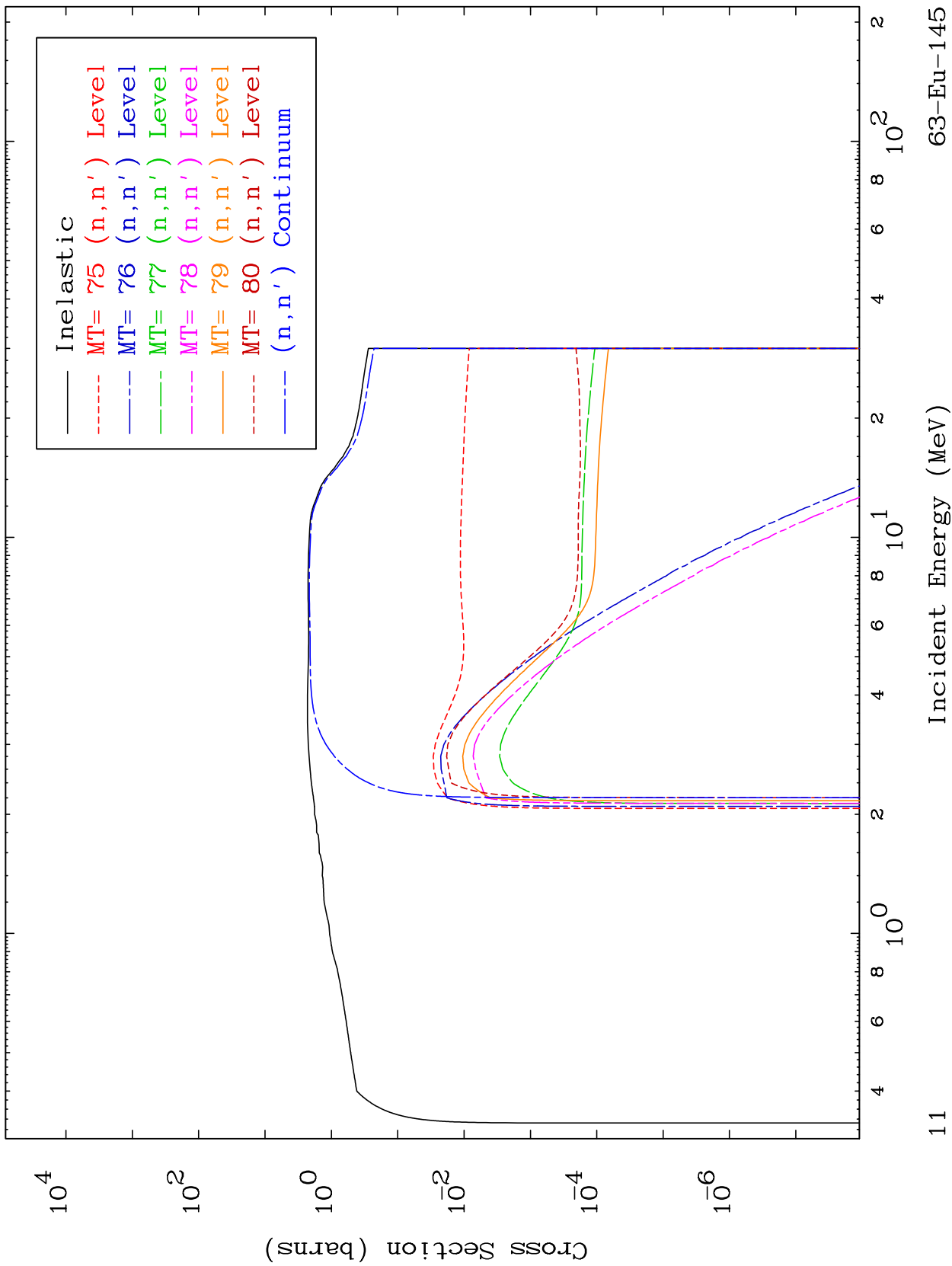
63-Eu-145



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Incident Energy (MeV)

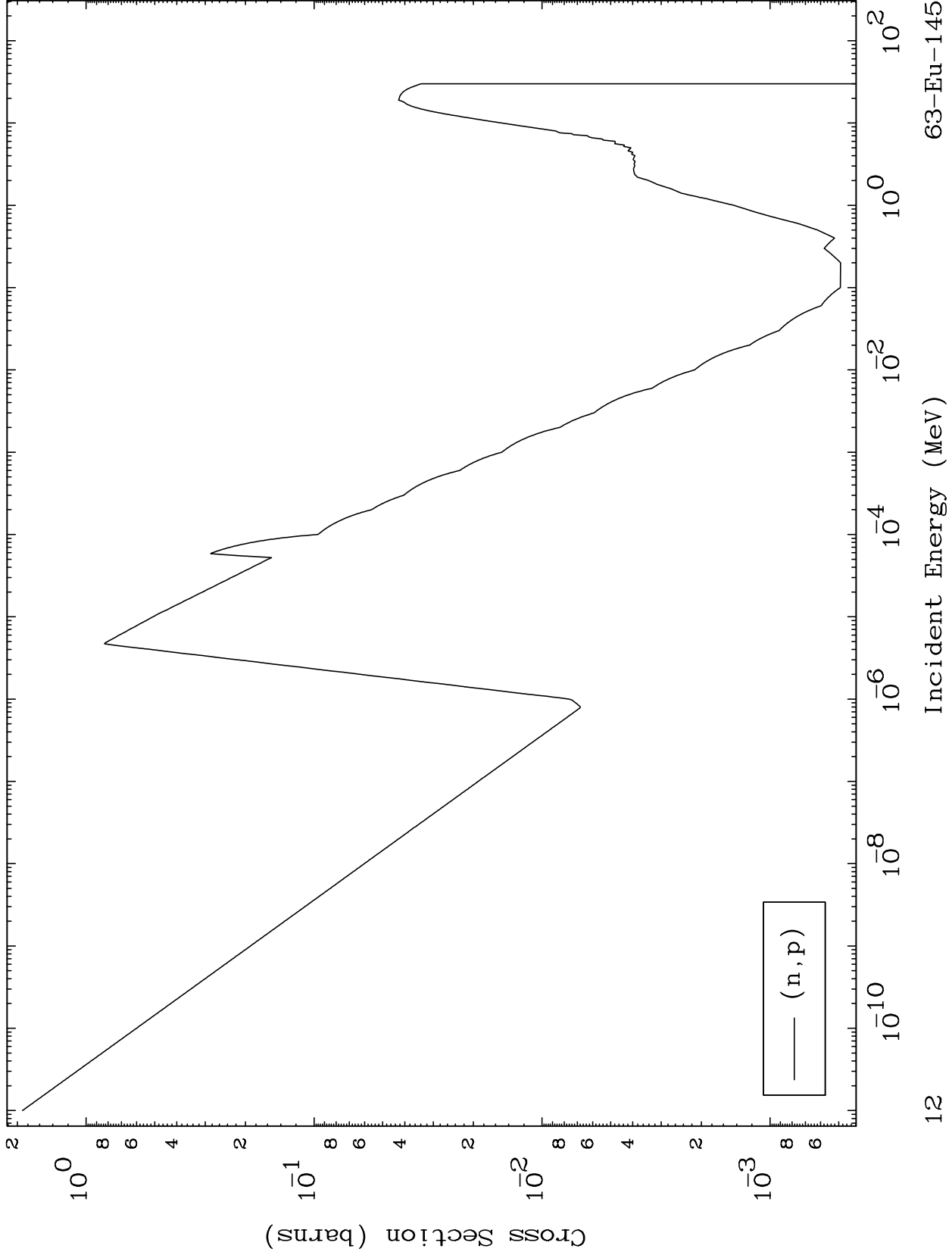
63-Eu-145



MAT 6307

(n,p) Levels  
293 Kelvin Cross Sections

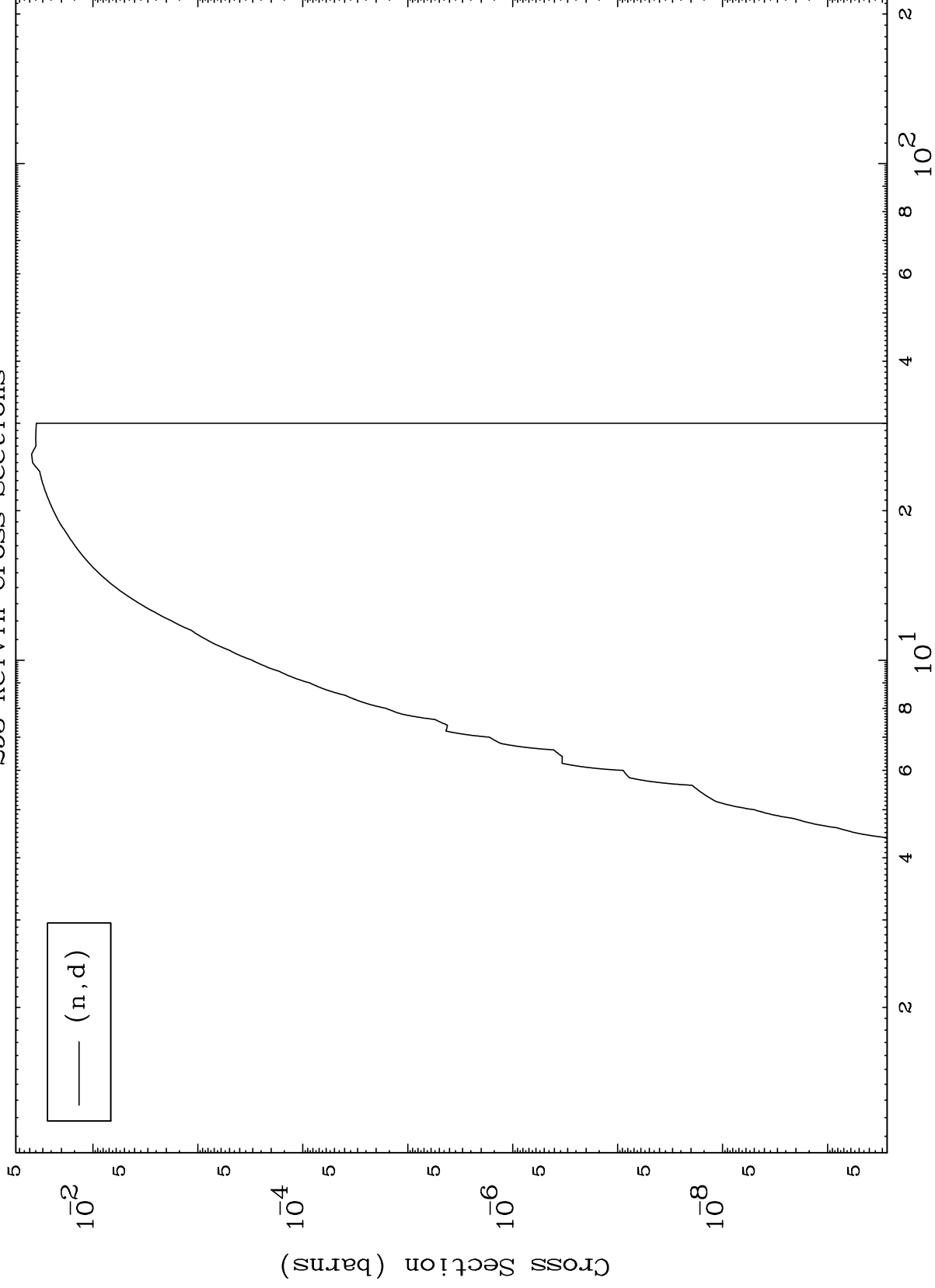
63-Eu-145



MAT 6307

(n,d) Levels  
293 Kelvin Cross Sections

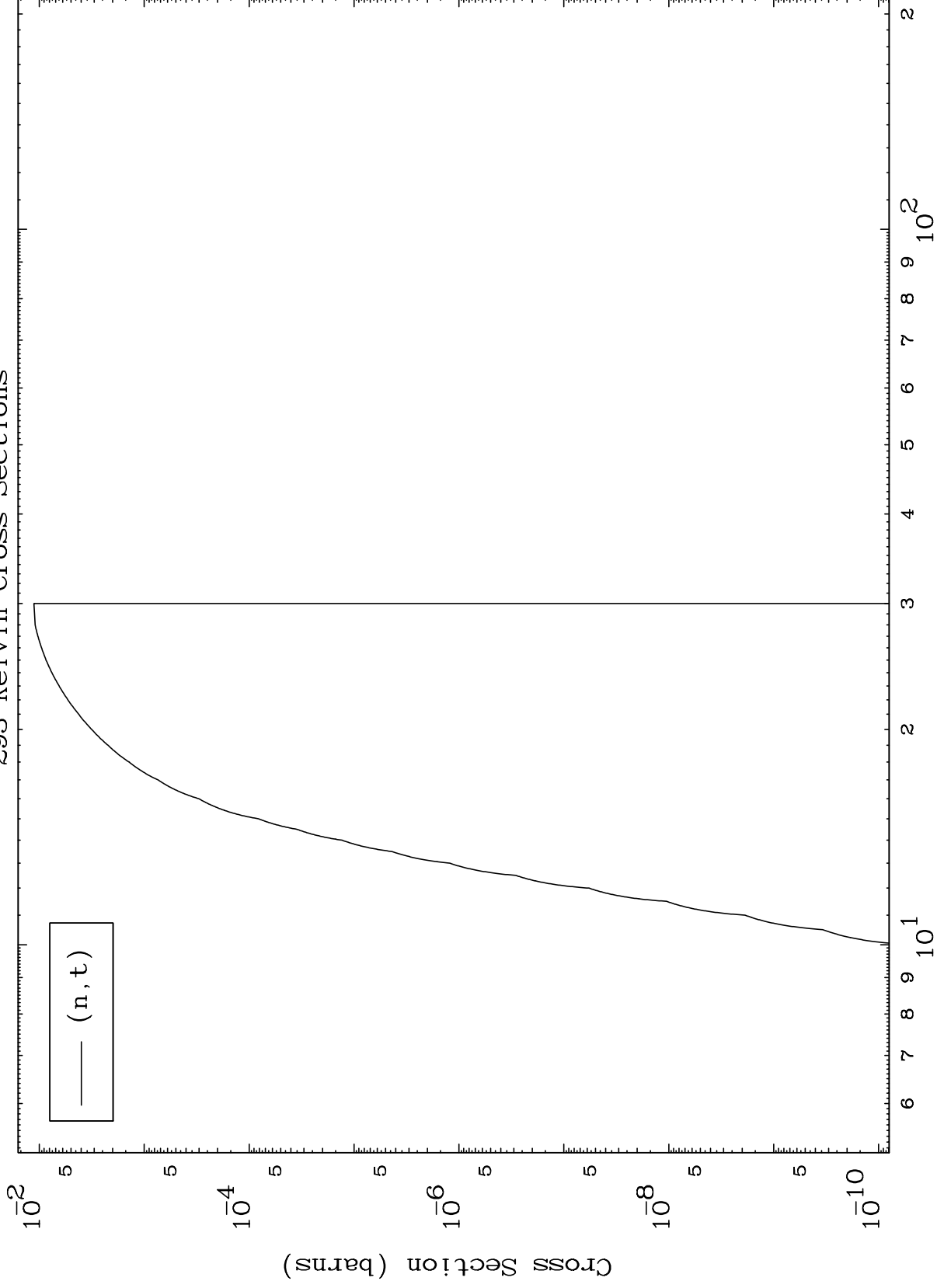
63-Eu-145



MAT 6307

(n,t) Levels  
293 Kelvin Cross Sections

63-Eu-145



14

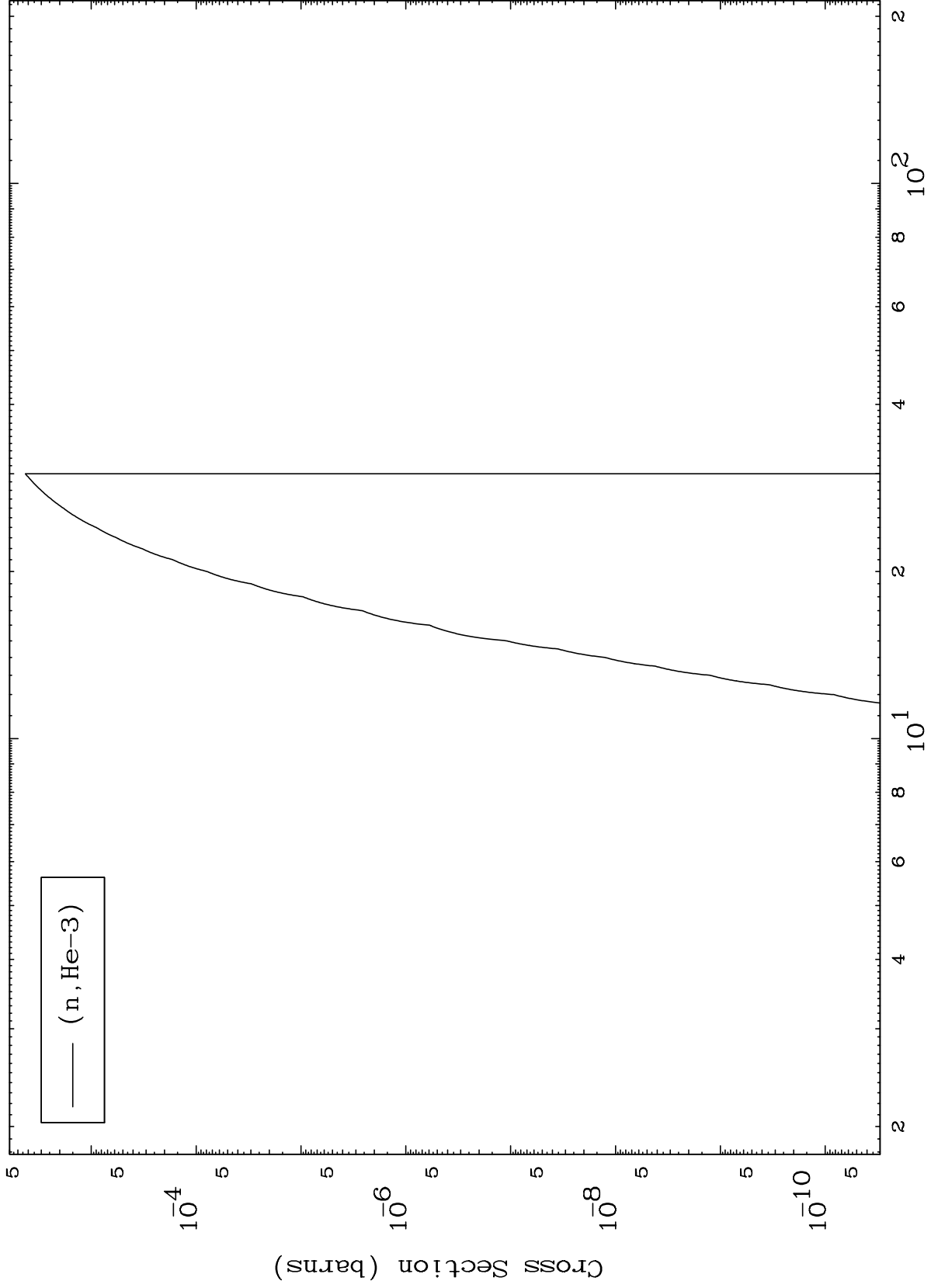
Incident Energy (MeV)

63-Eu-145

MAT 6307

(n,He3) Levels  
293 Kelvin Cross Sections

63-Eu-145



15

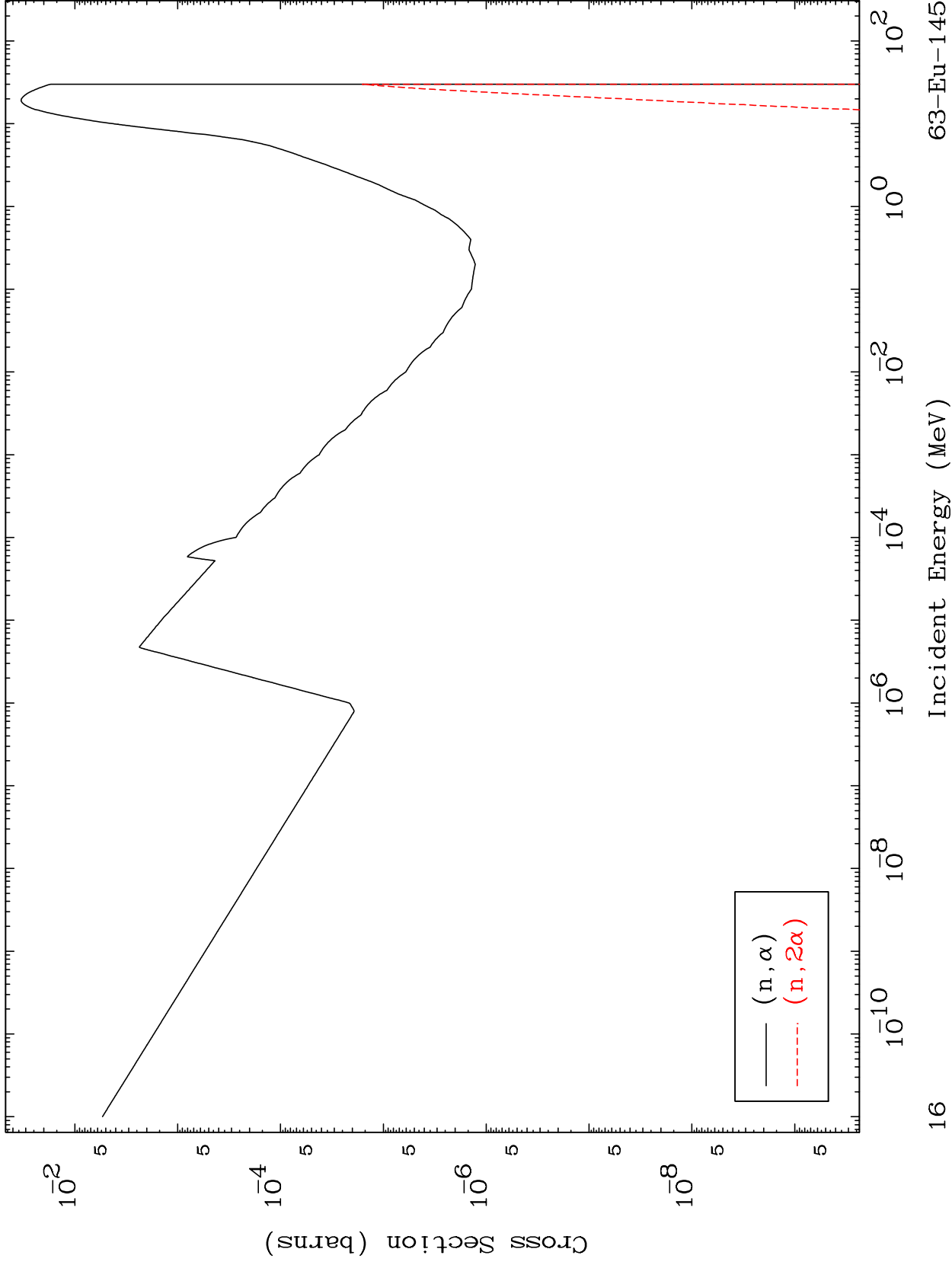
Incident Energy (MeV)

63-Eu-145

MAT 6307

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

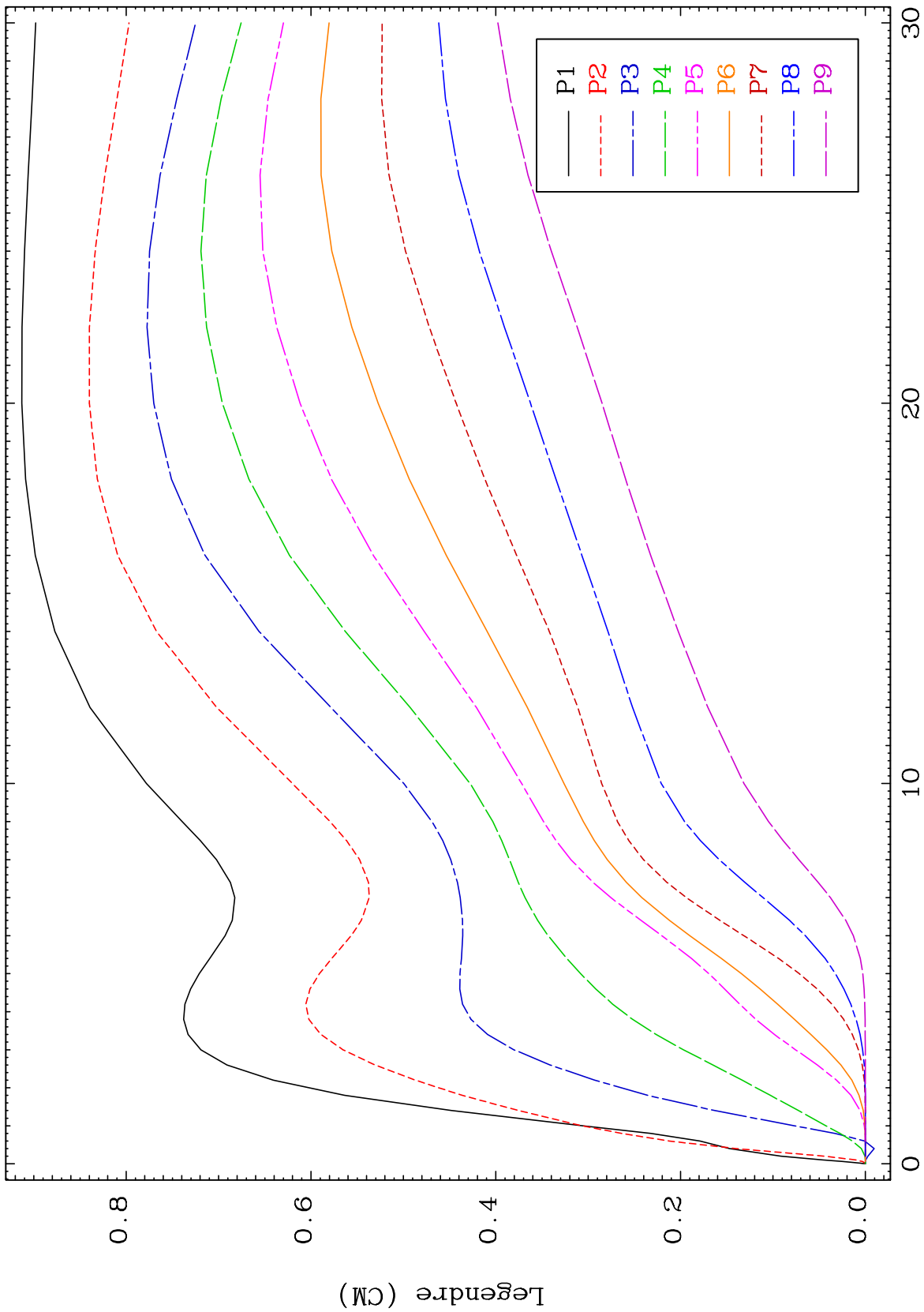
63-Eu-145



MAT 6307

Elastic Legendre Coefficients

63-Eu-145



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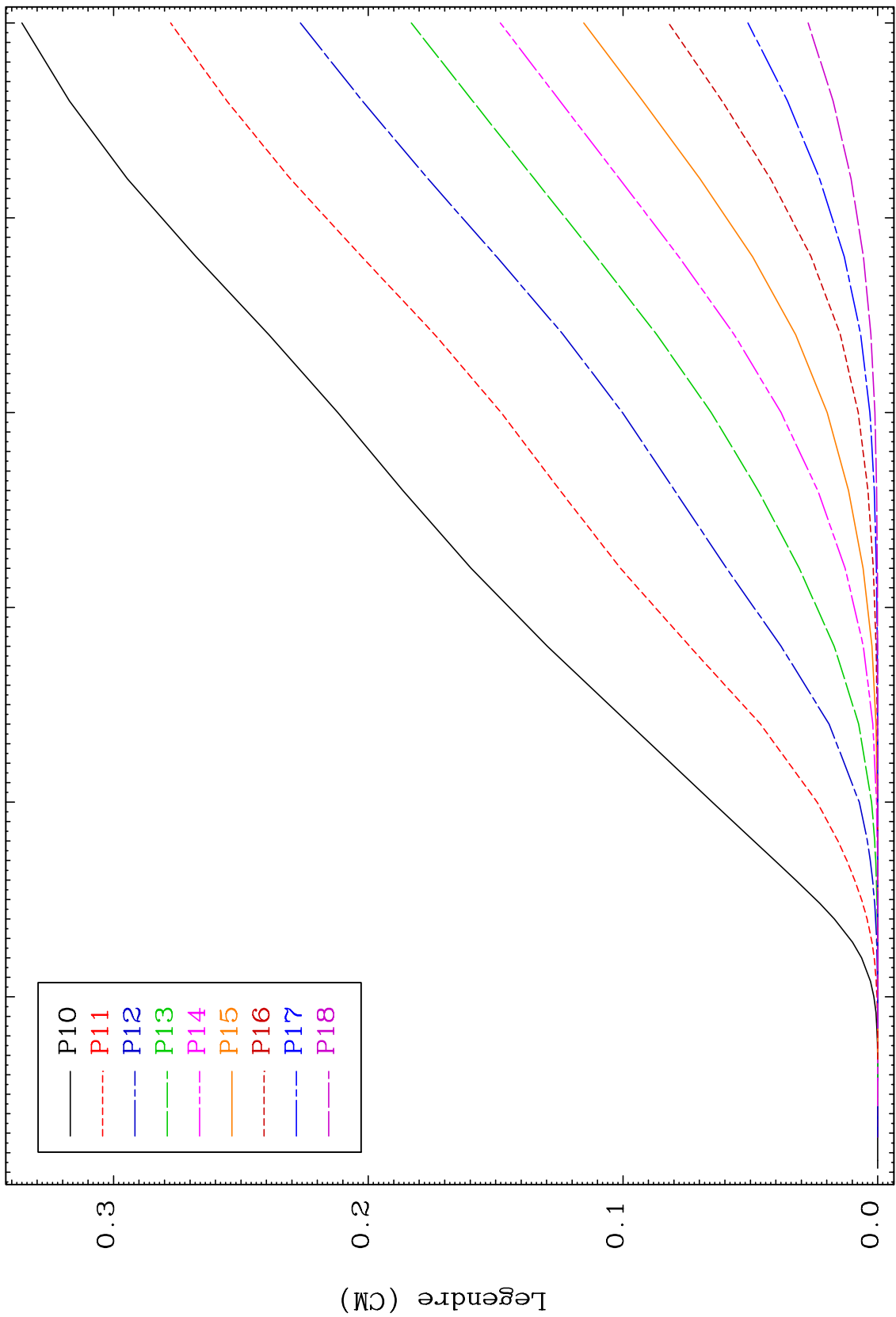
Incident Energy (MeV)

63-Eu-145

MAT 6307

Elastic Legendre Coefficients

63-Eu-145



18

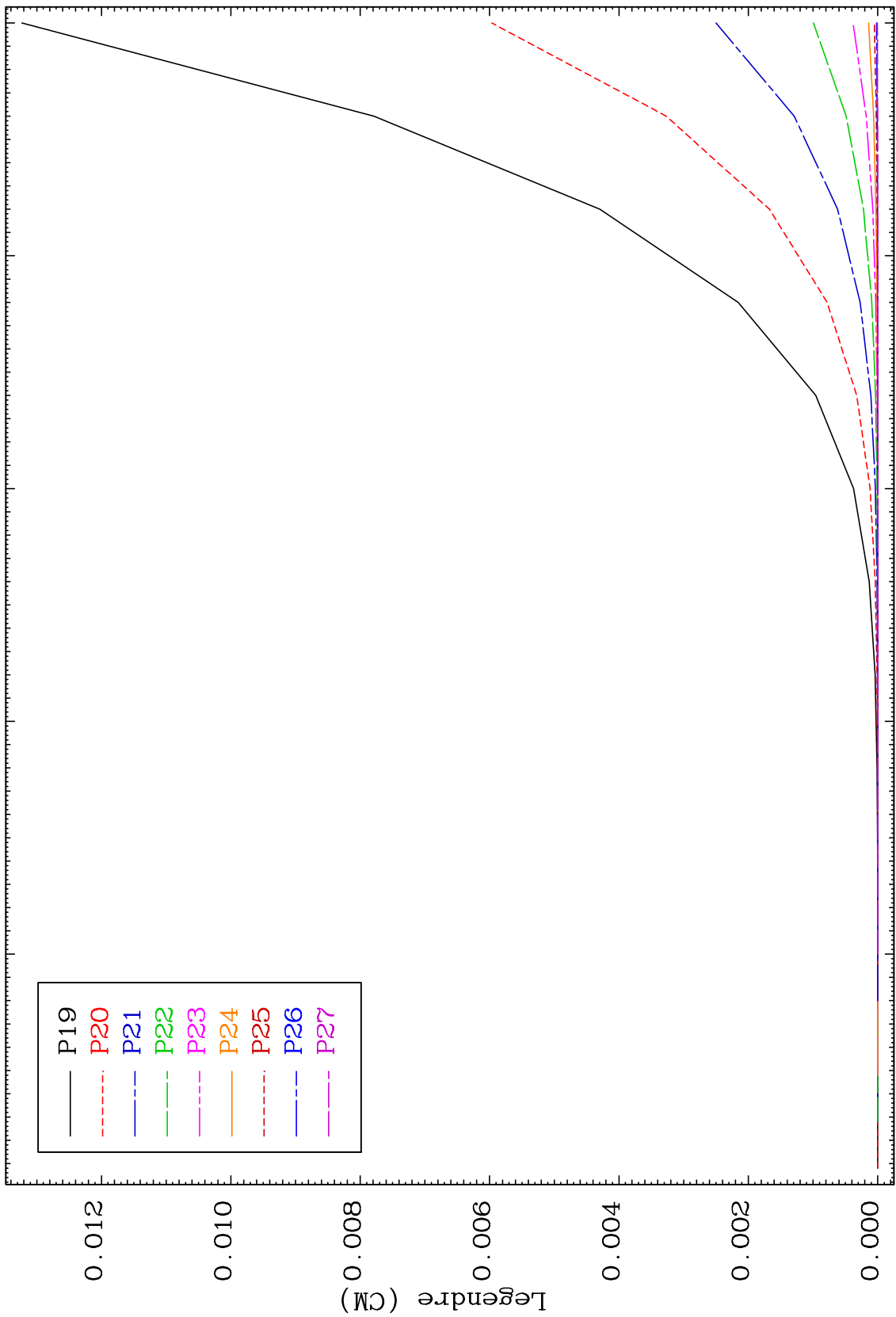
Incident Energy (MeV)

63-Eu-145

MAT 6307

Elastic Legendre Coefficients

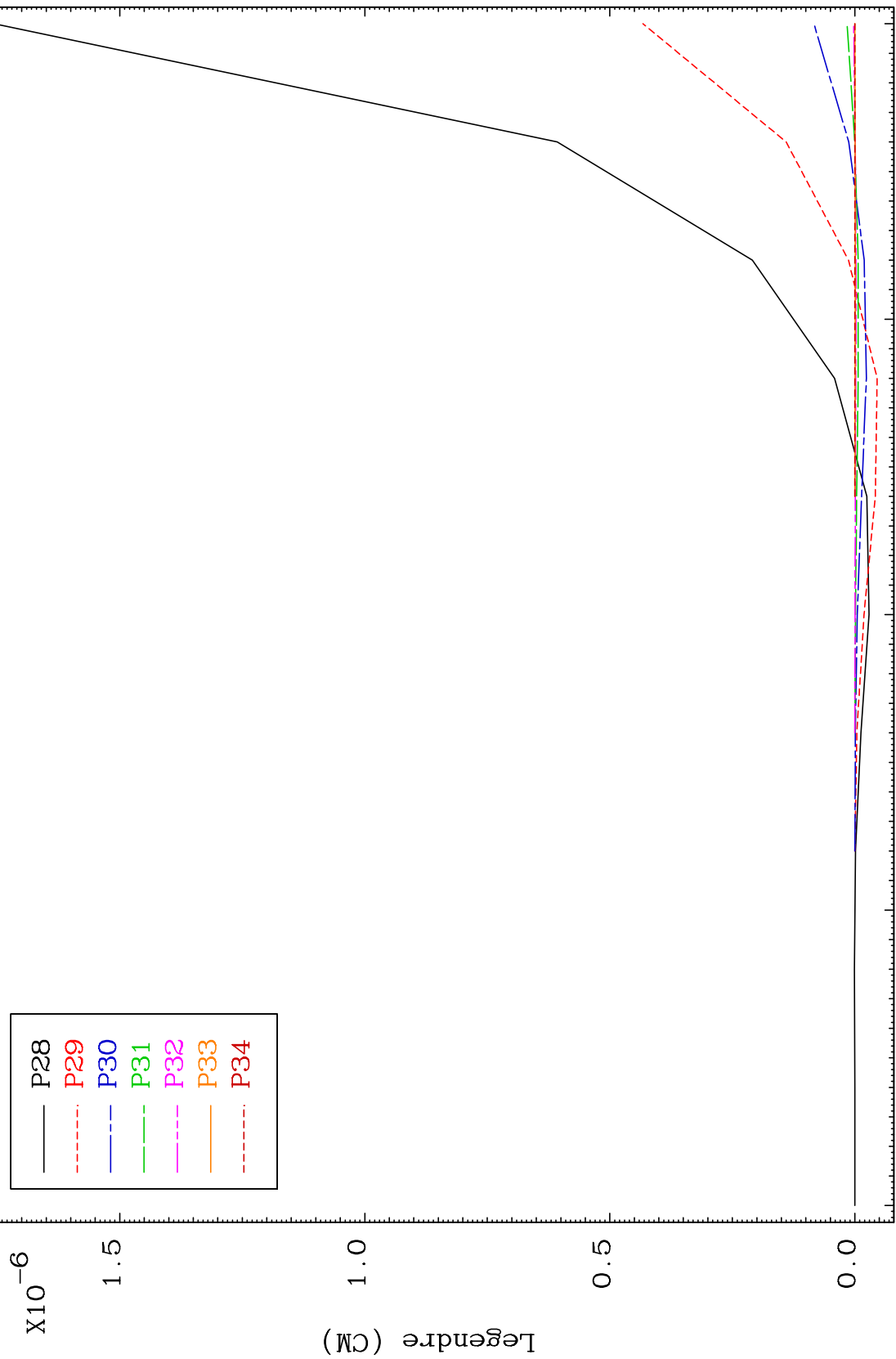
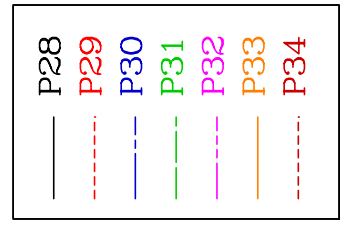
63-Eu-145



MAT 6307

Elastic Legendre Coefficients

63-Eu-145



63-Eu-145

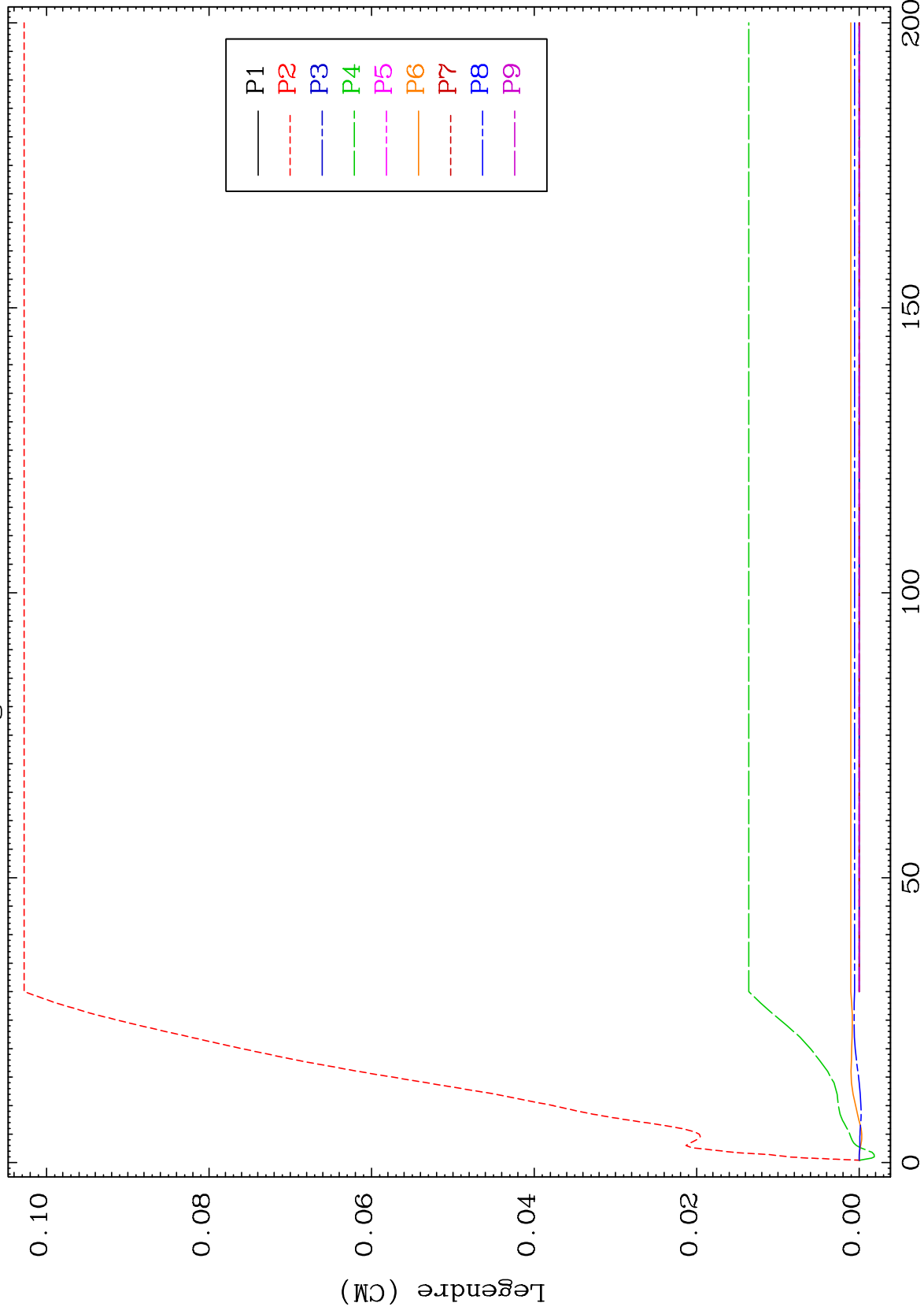
Incident Energy (MeV)

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MAT 6307

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

63-Eu-145



21

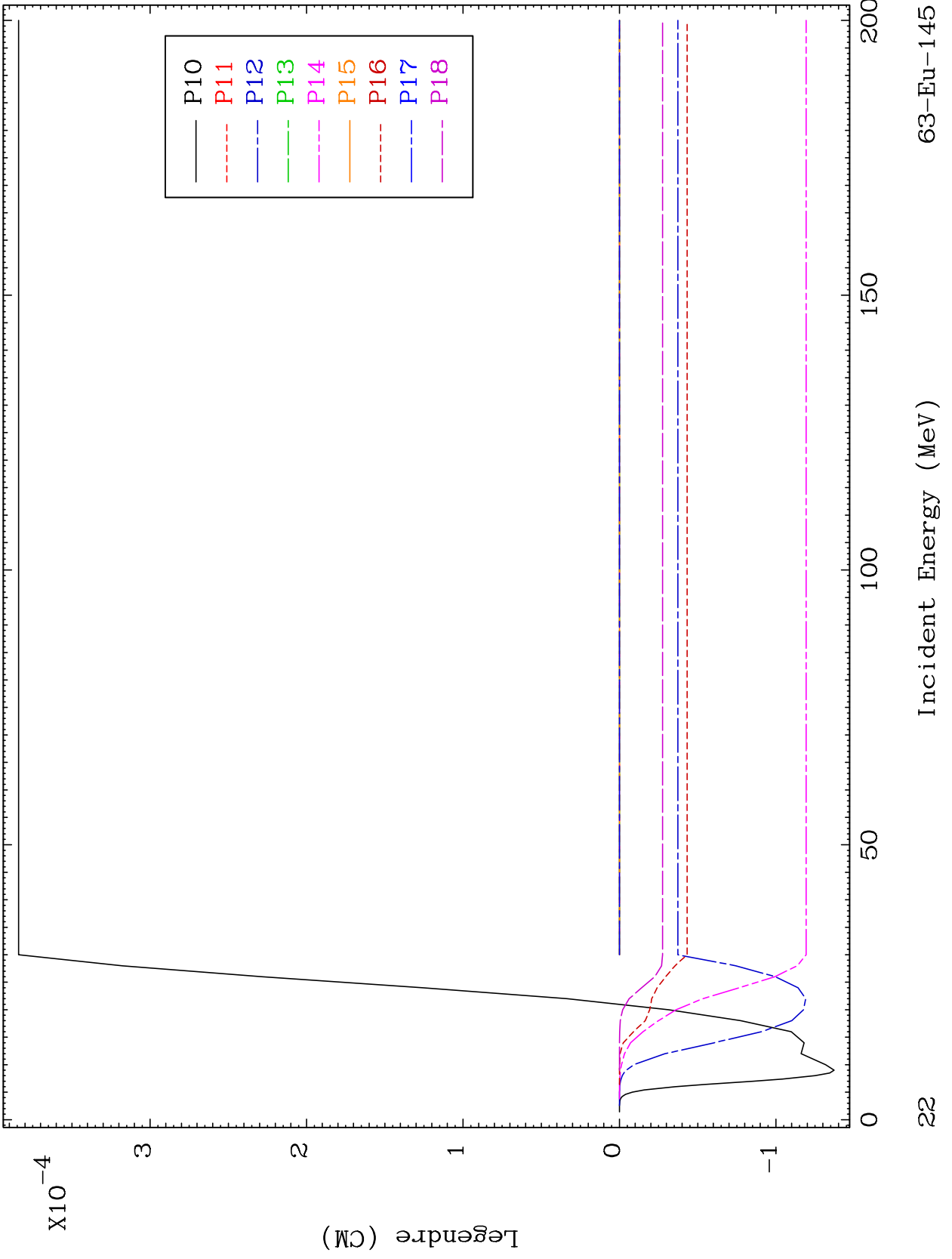
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

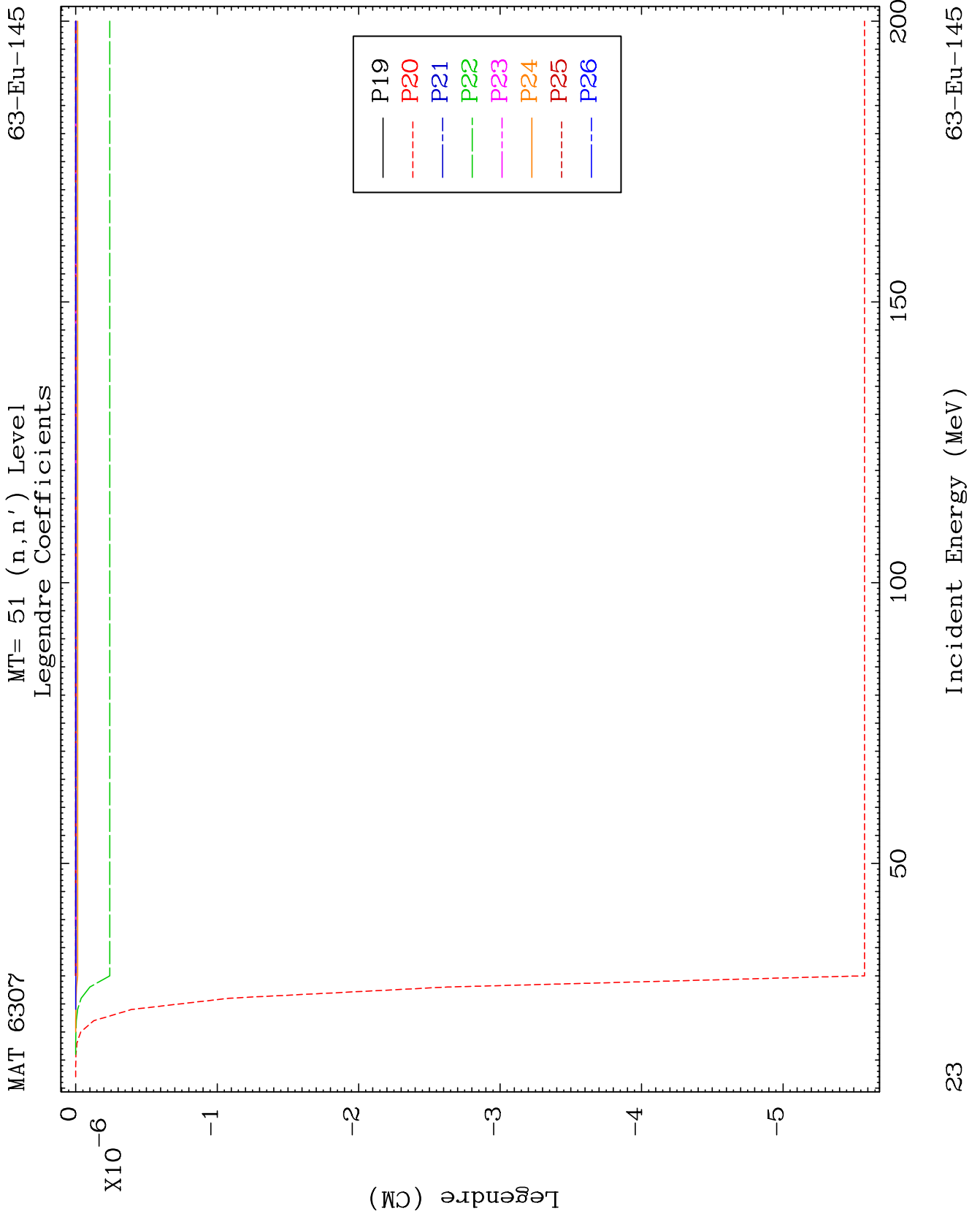
63-Eu-145



22

Incident Energy (MeV)

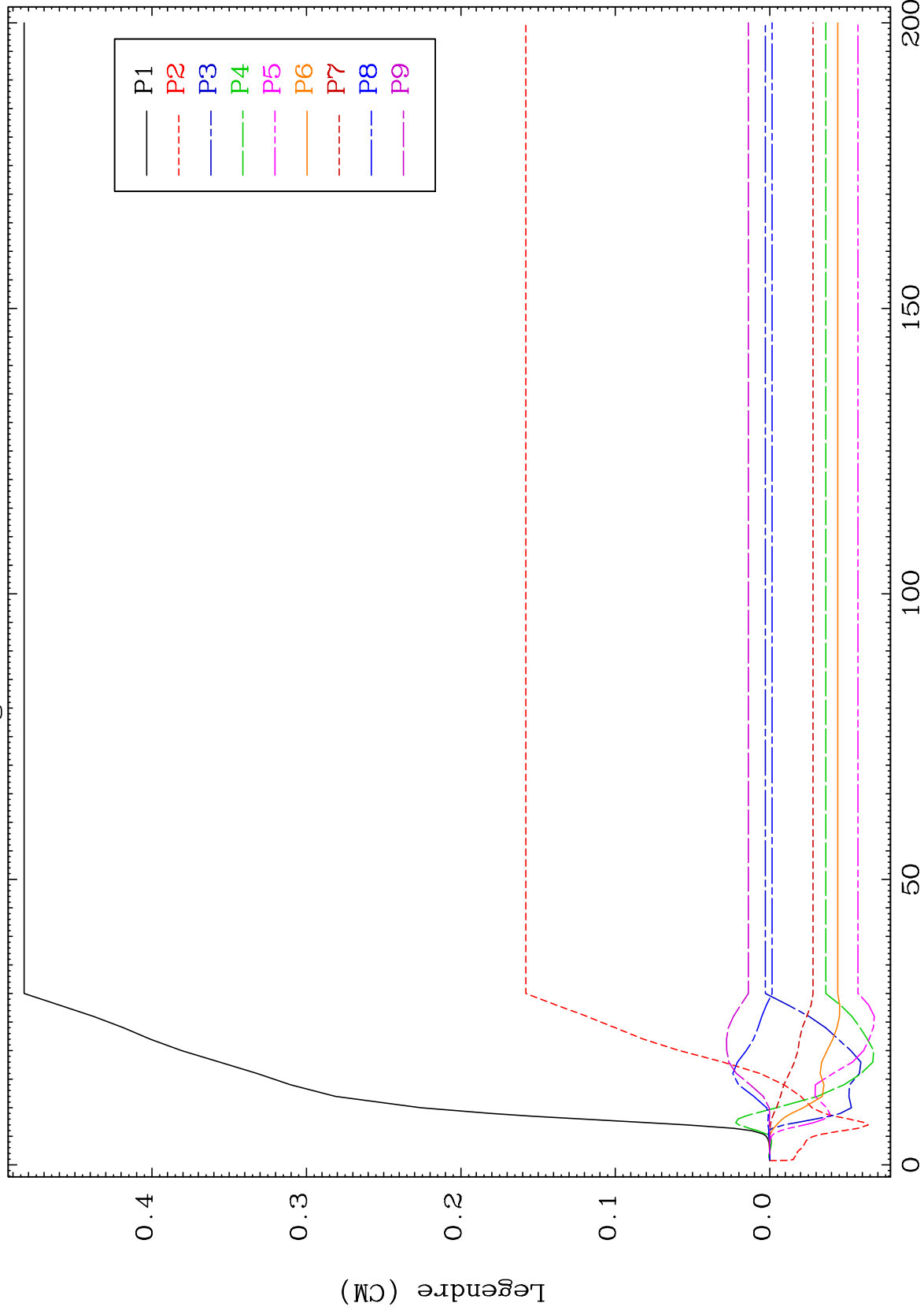
63-Eu-145



MAT 6307

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

63-Eu-145



24

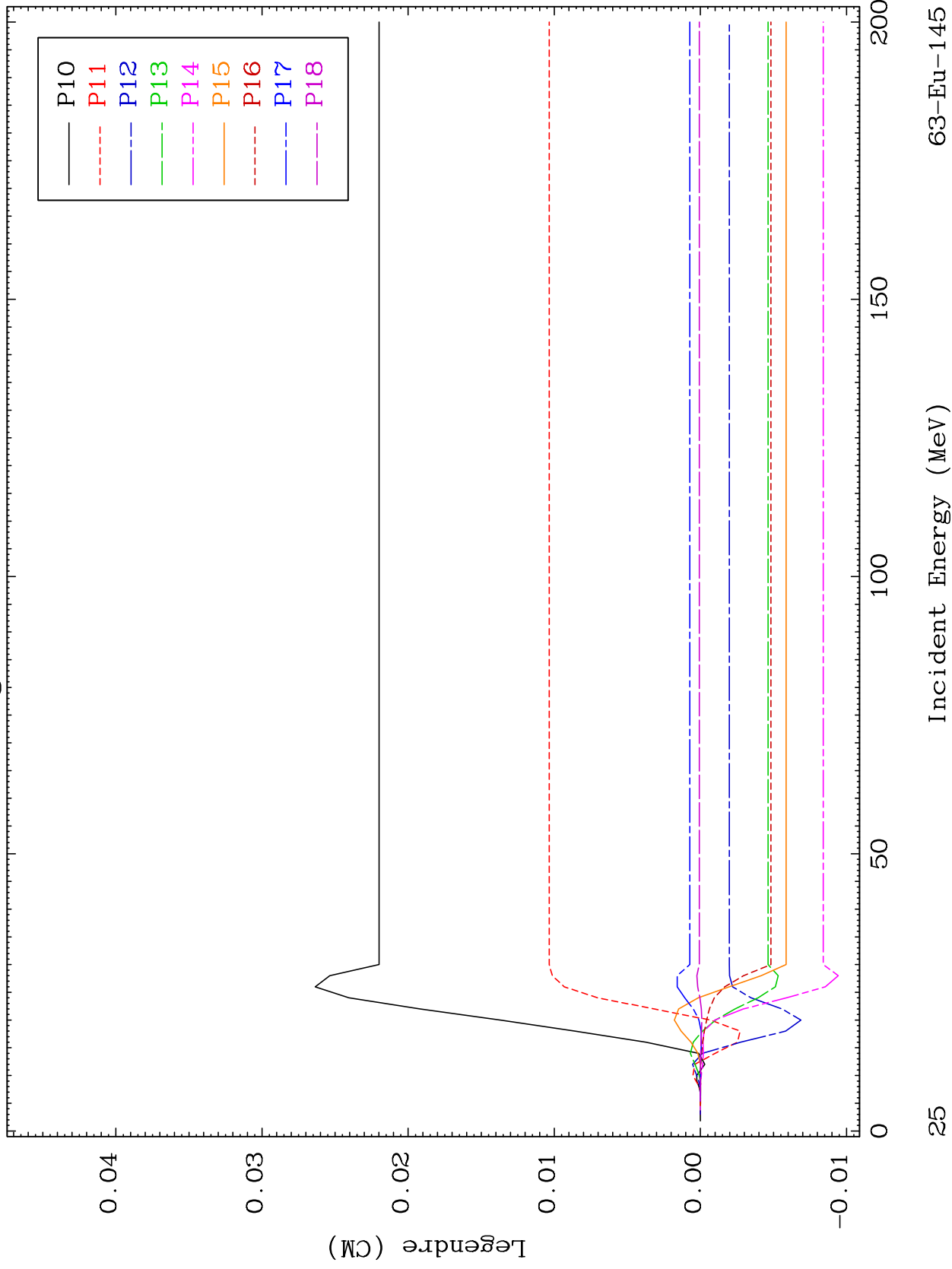
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



63-Eu-145

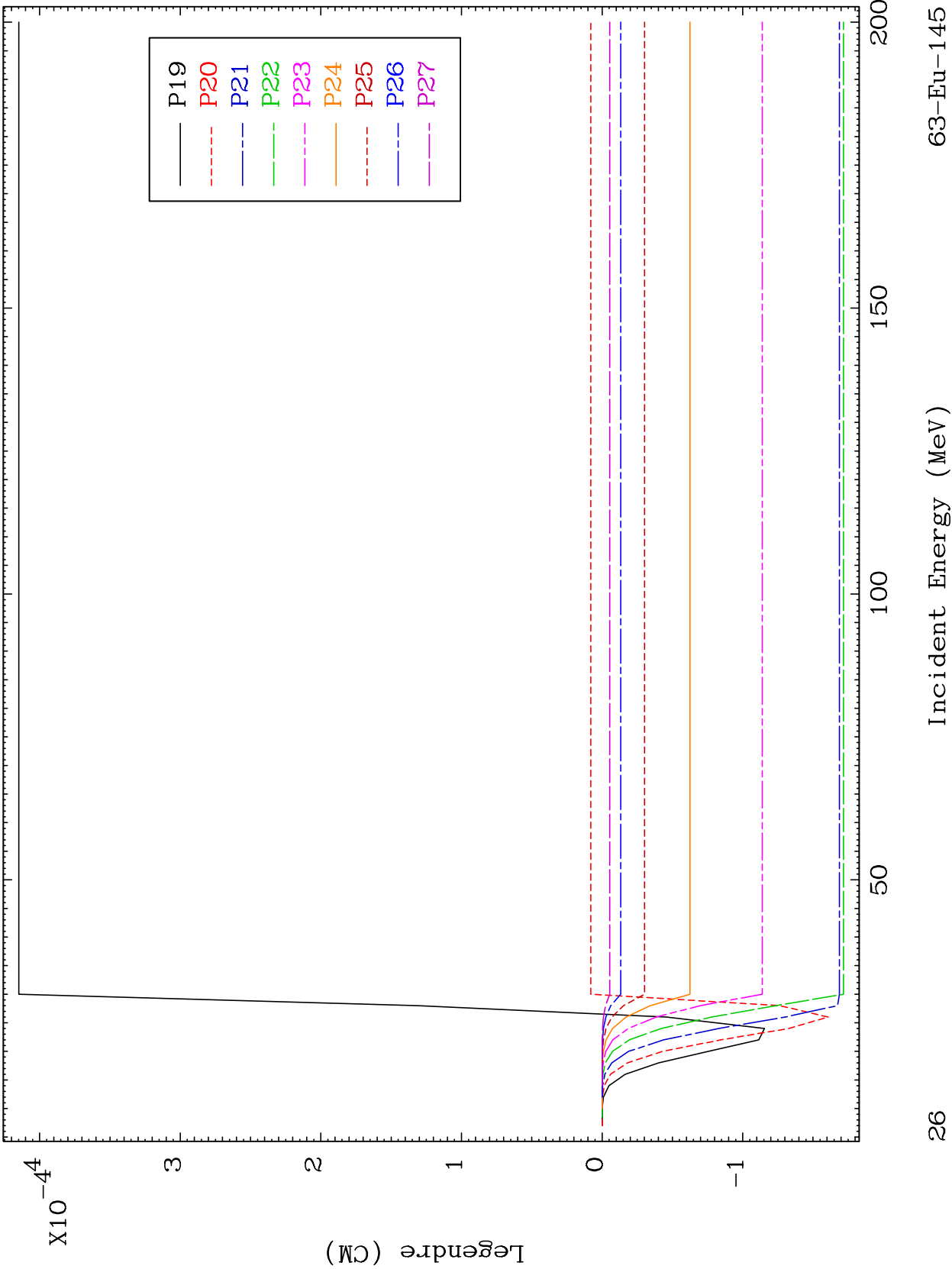
Incident Energy (MeV)

25

MAT 6307

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

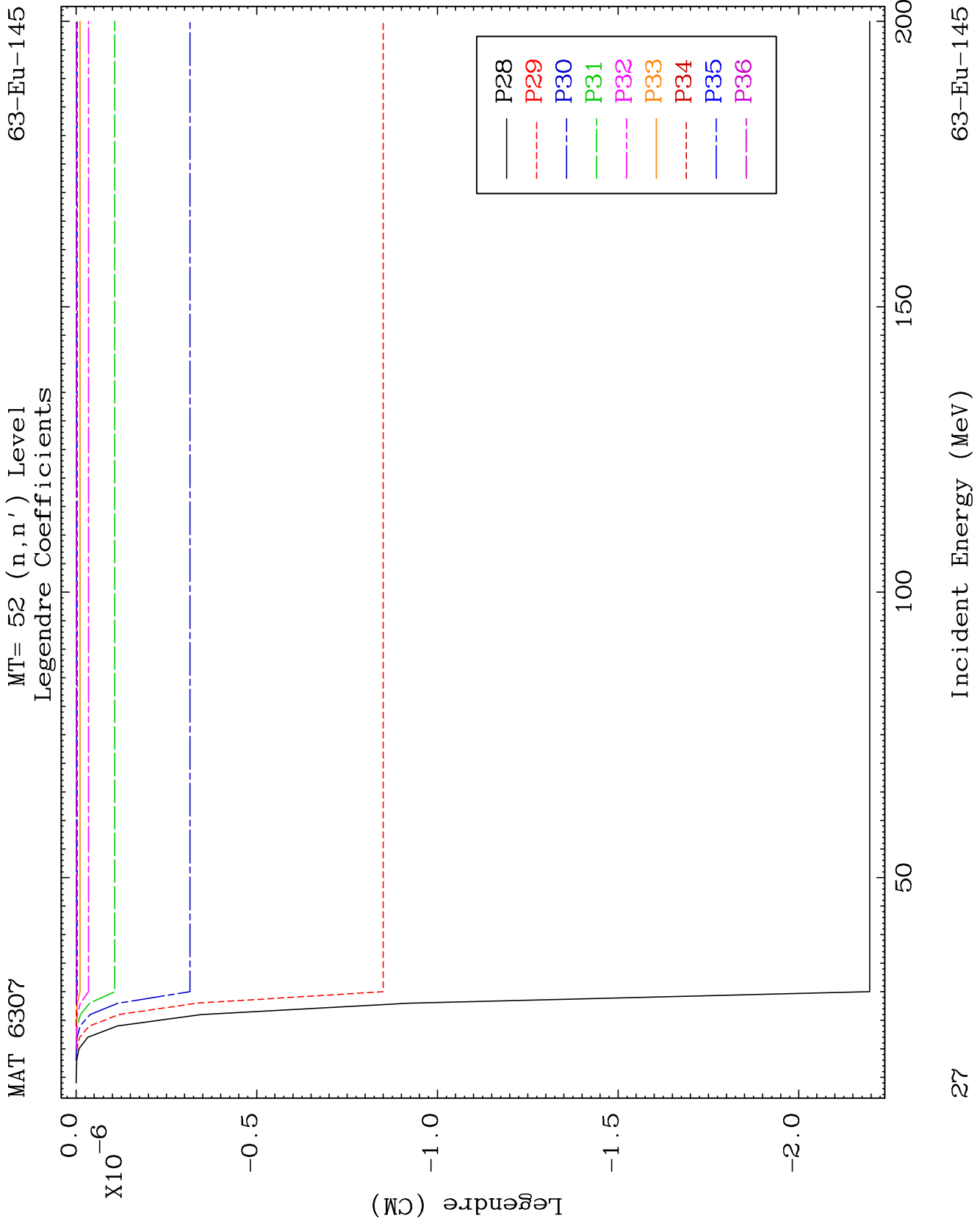
63-Eu-145



26

Incident Energy (MeV)

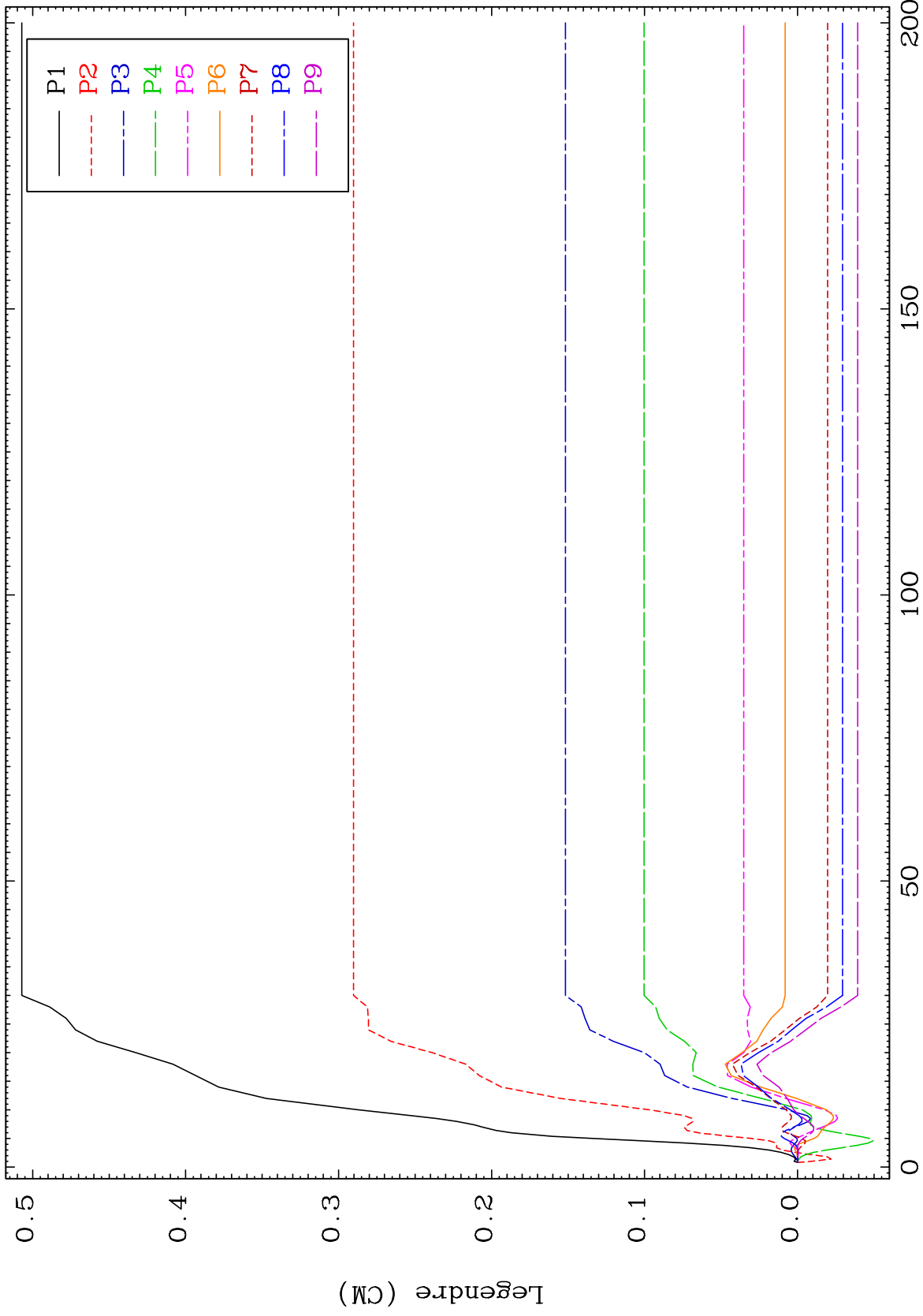
63-Eu-145



MAT 6307

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

63-Eu-145



28

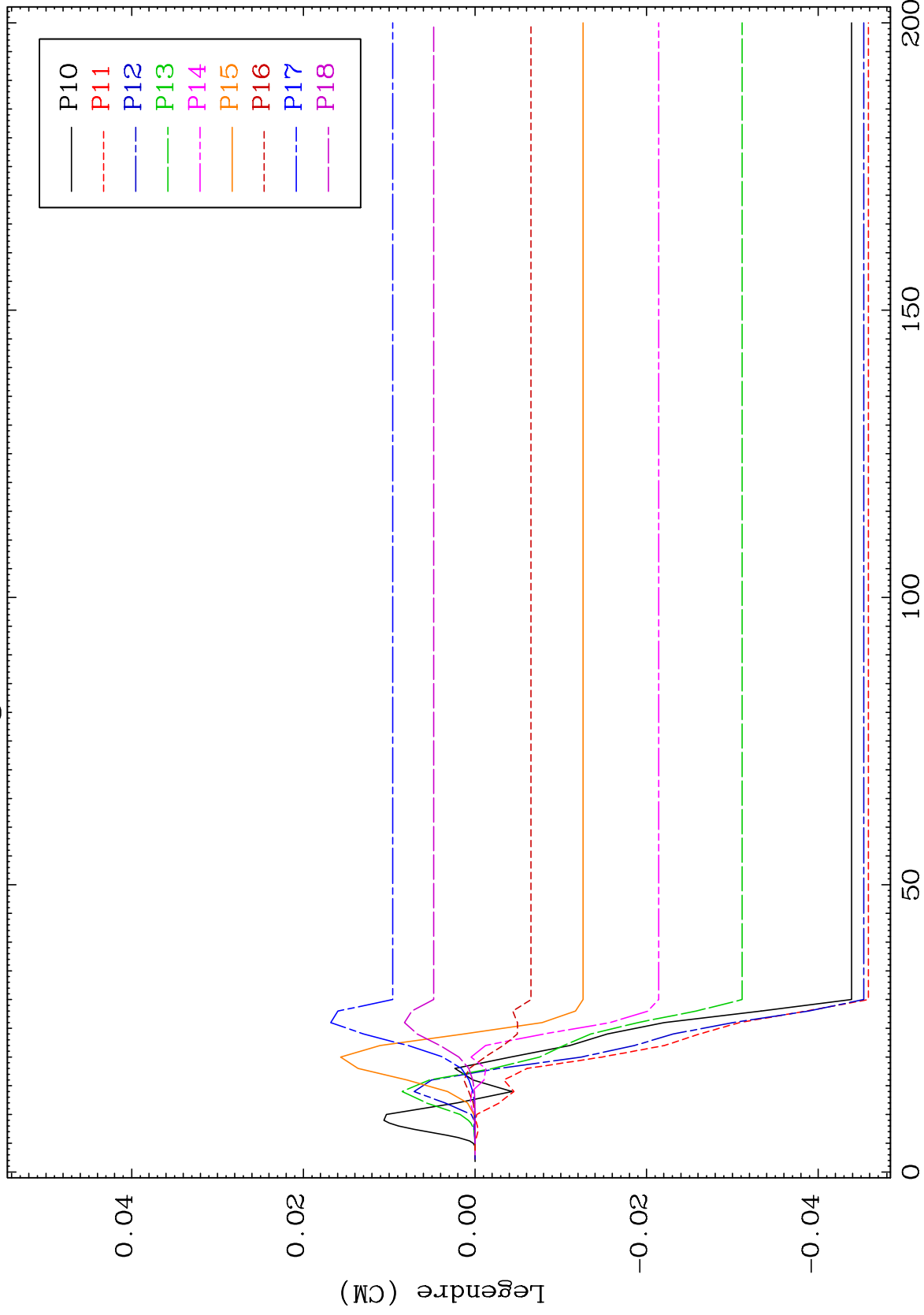
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



29

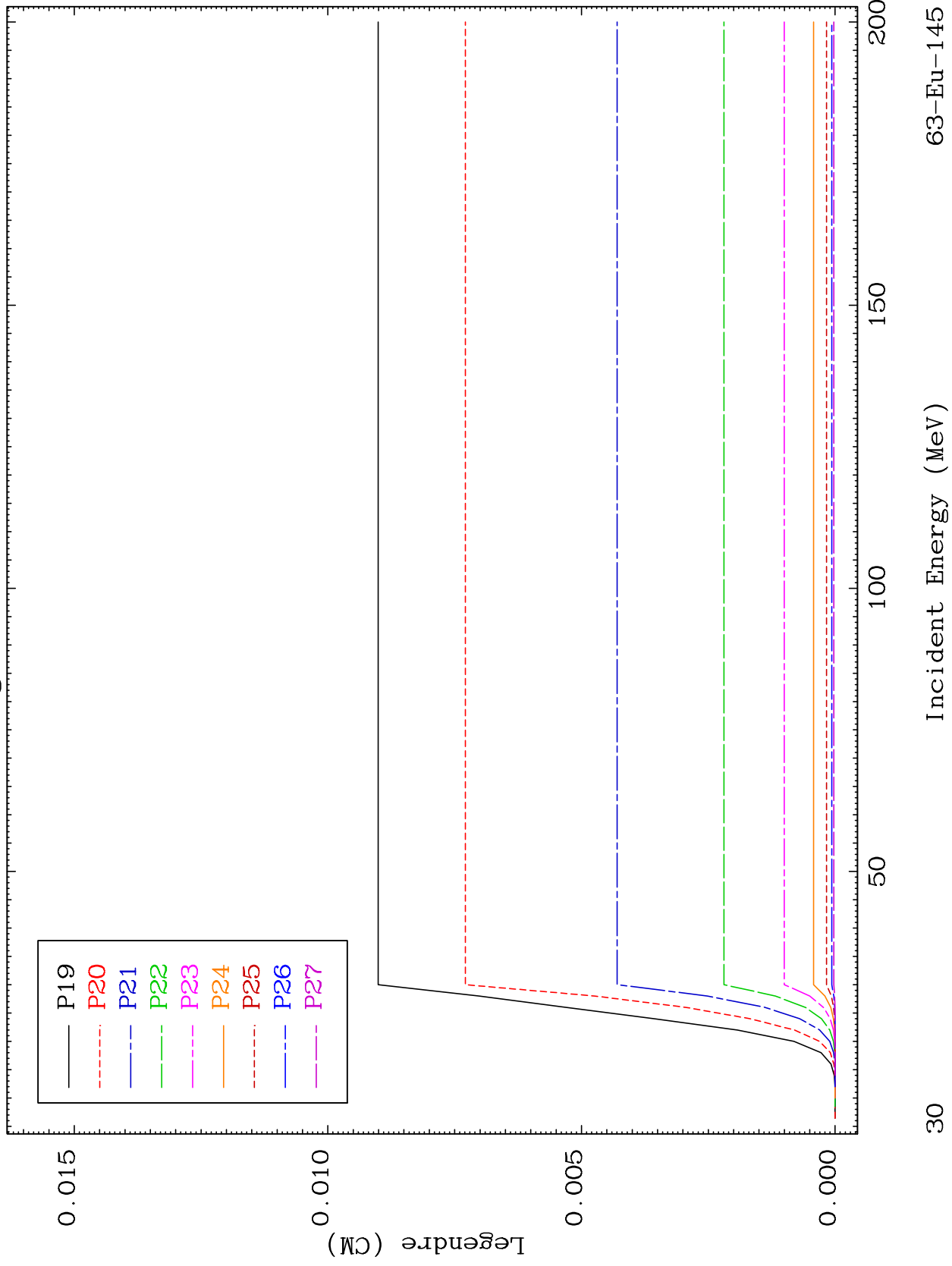
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



63-Eu-145

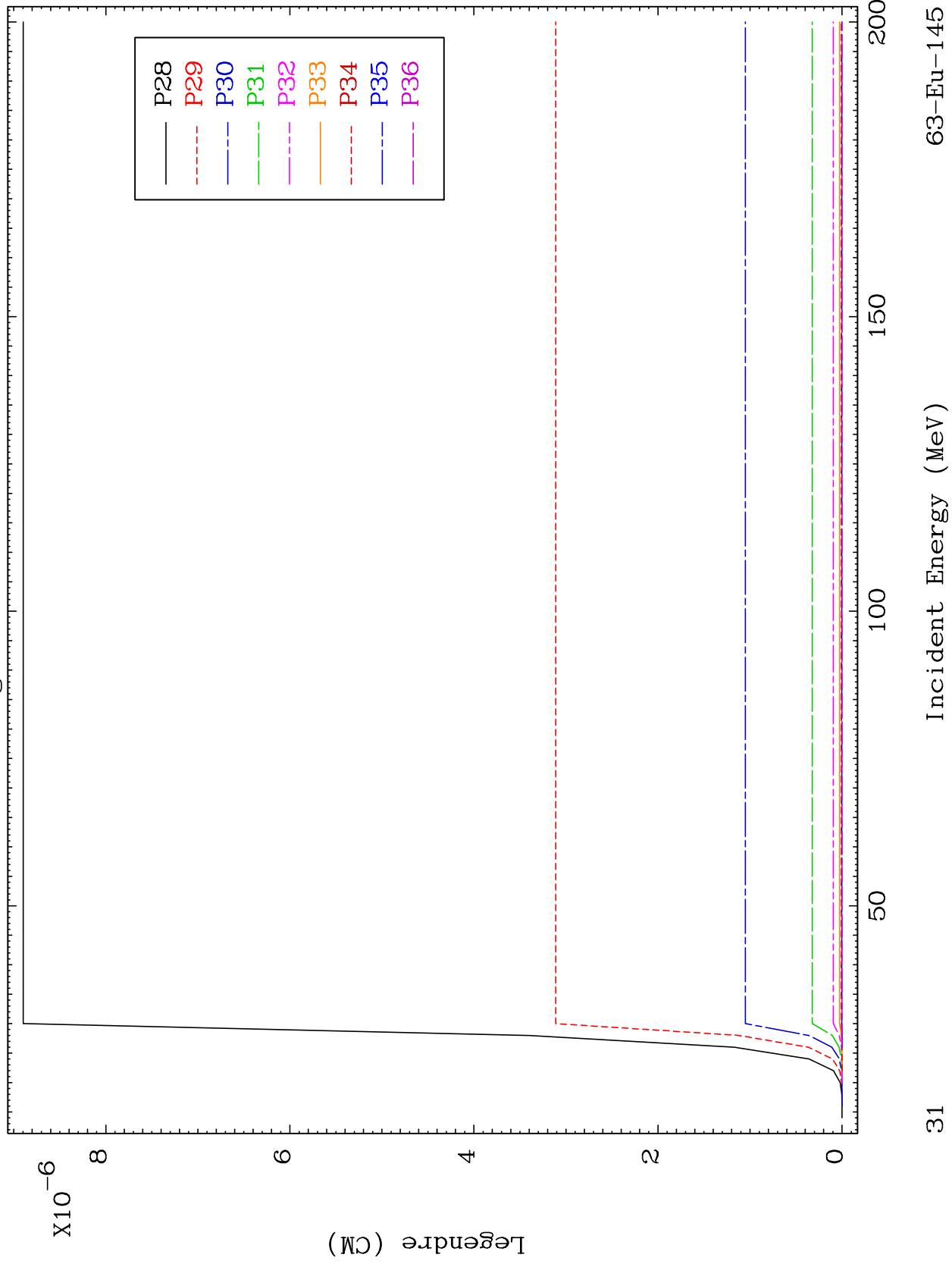
Incident Energy (MeV)

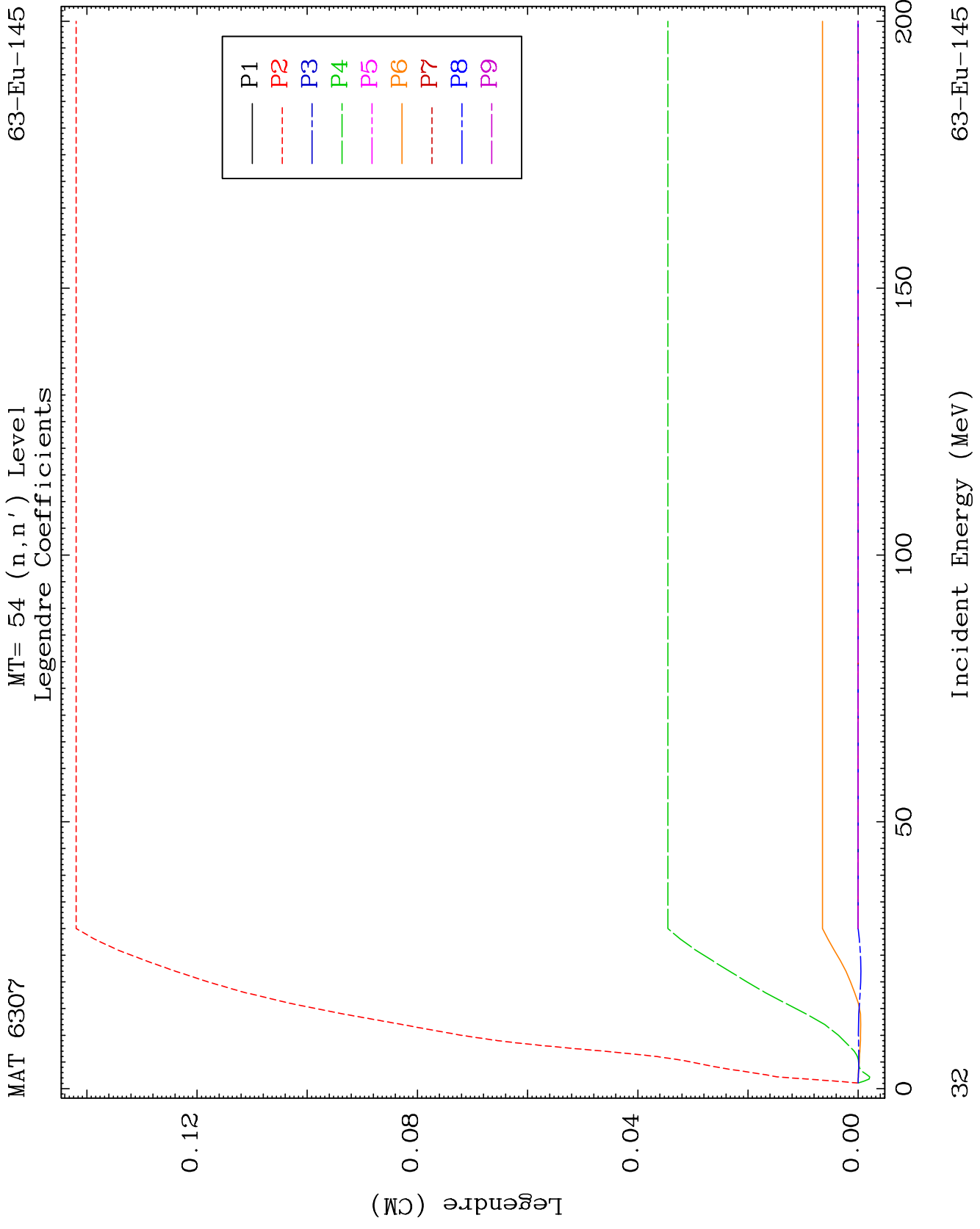
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MAT 6307

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

63-Eu-145

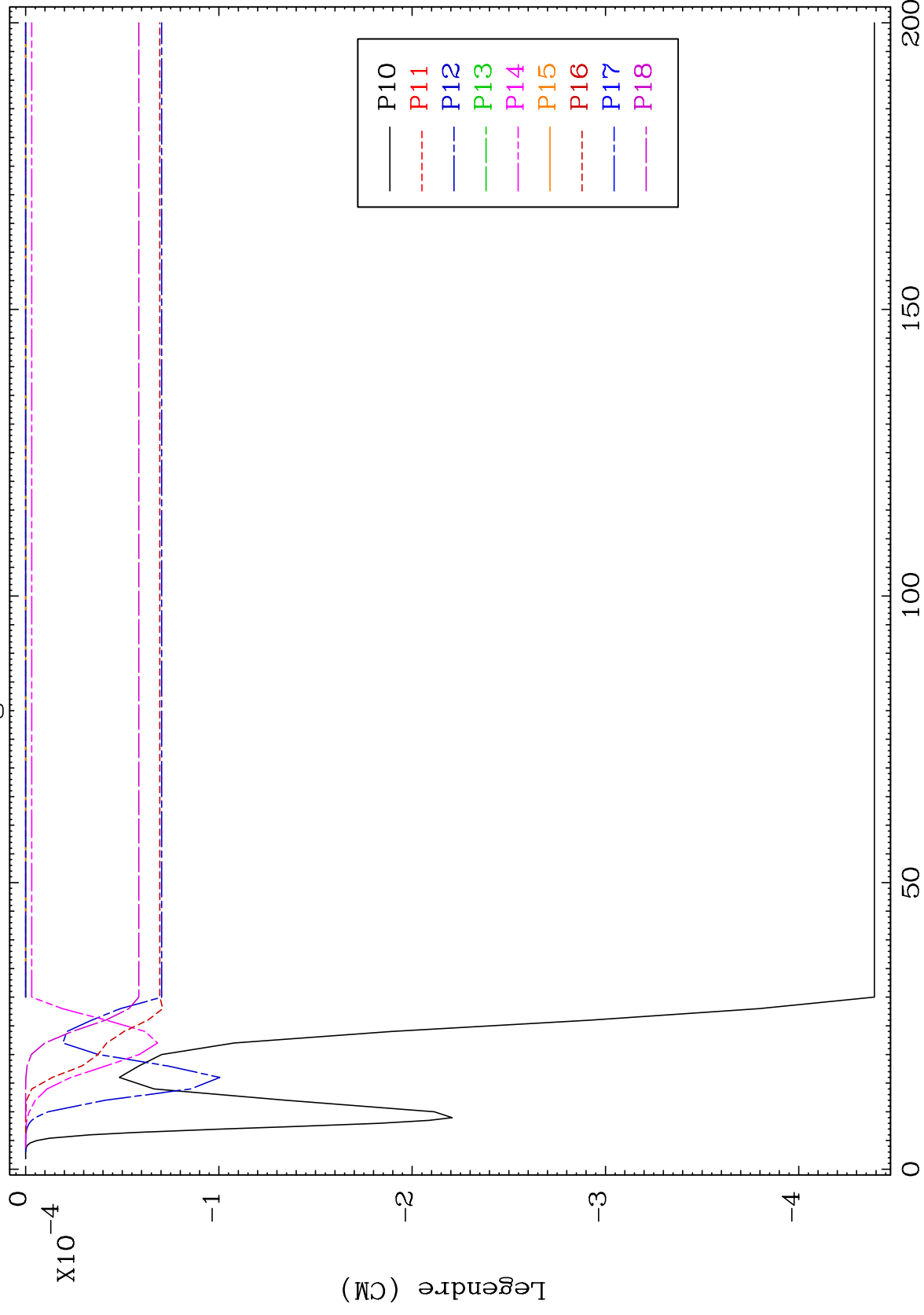




MAT 6307

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

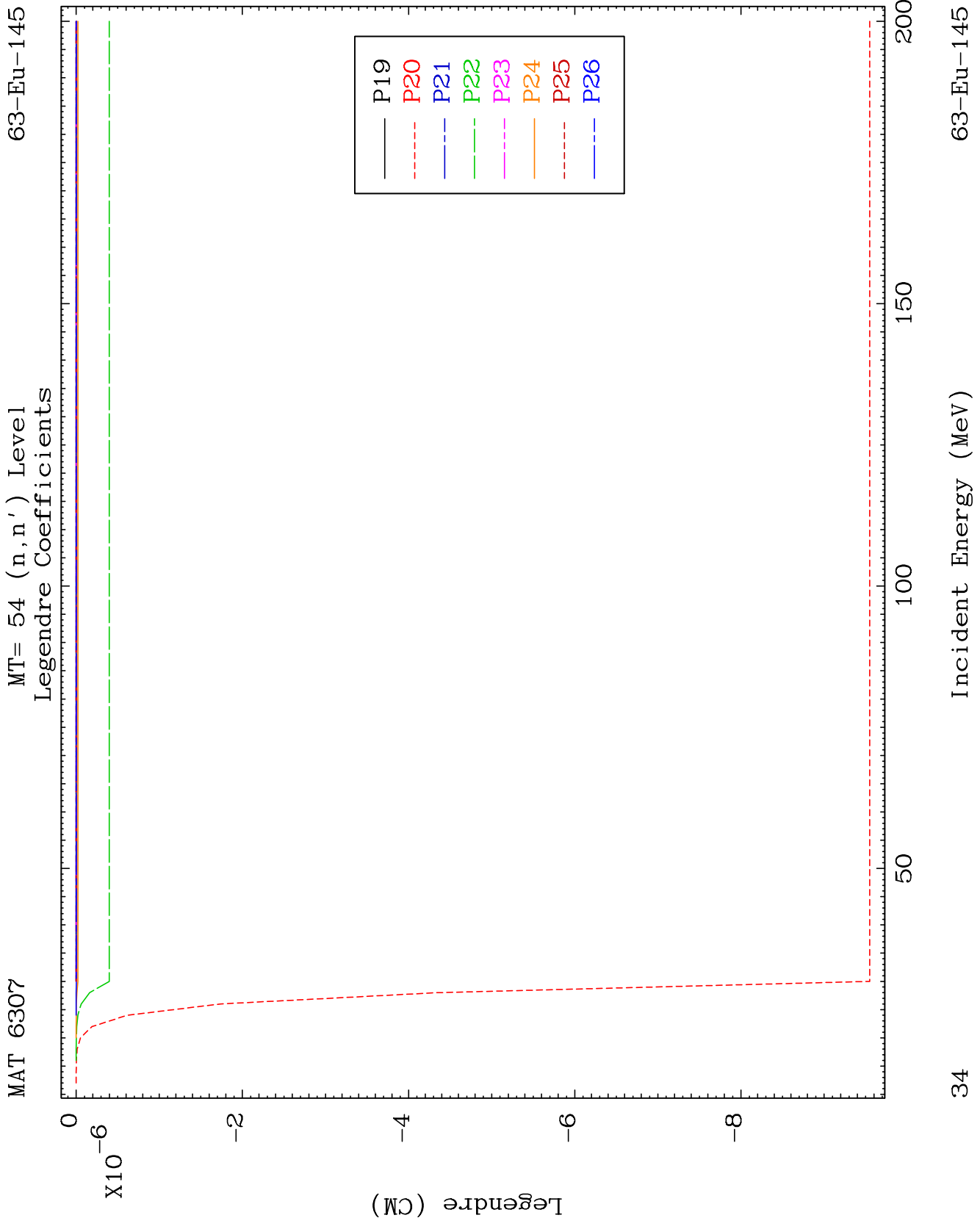
63-Eu-145



33

Incident Energy (MeV)

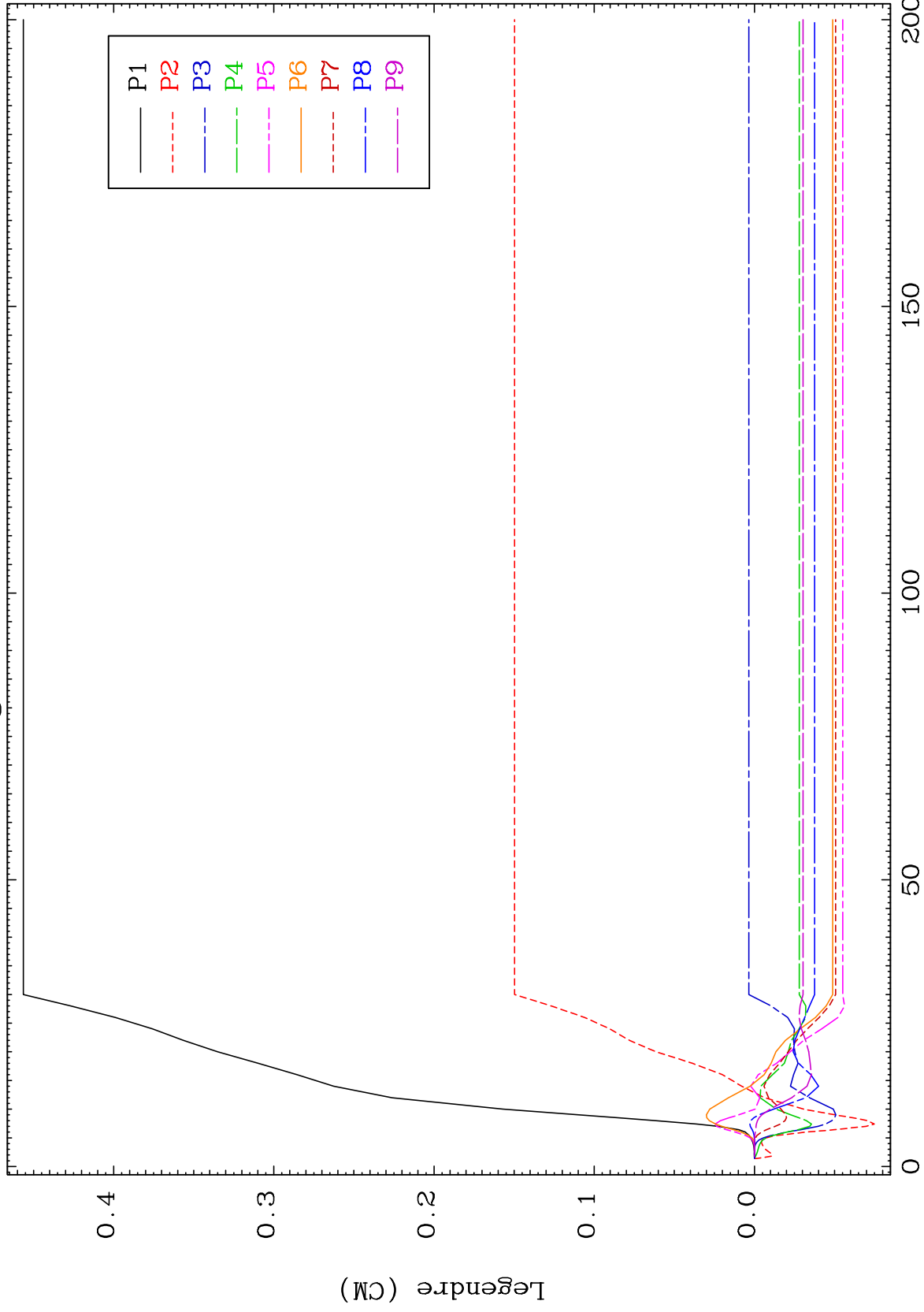
63-Eu-145



MAT 6307

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

63-Eu-145



63-Eu-145

Incident Energy (MeV)

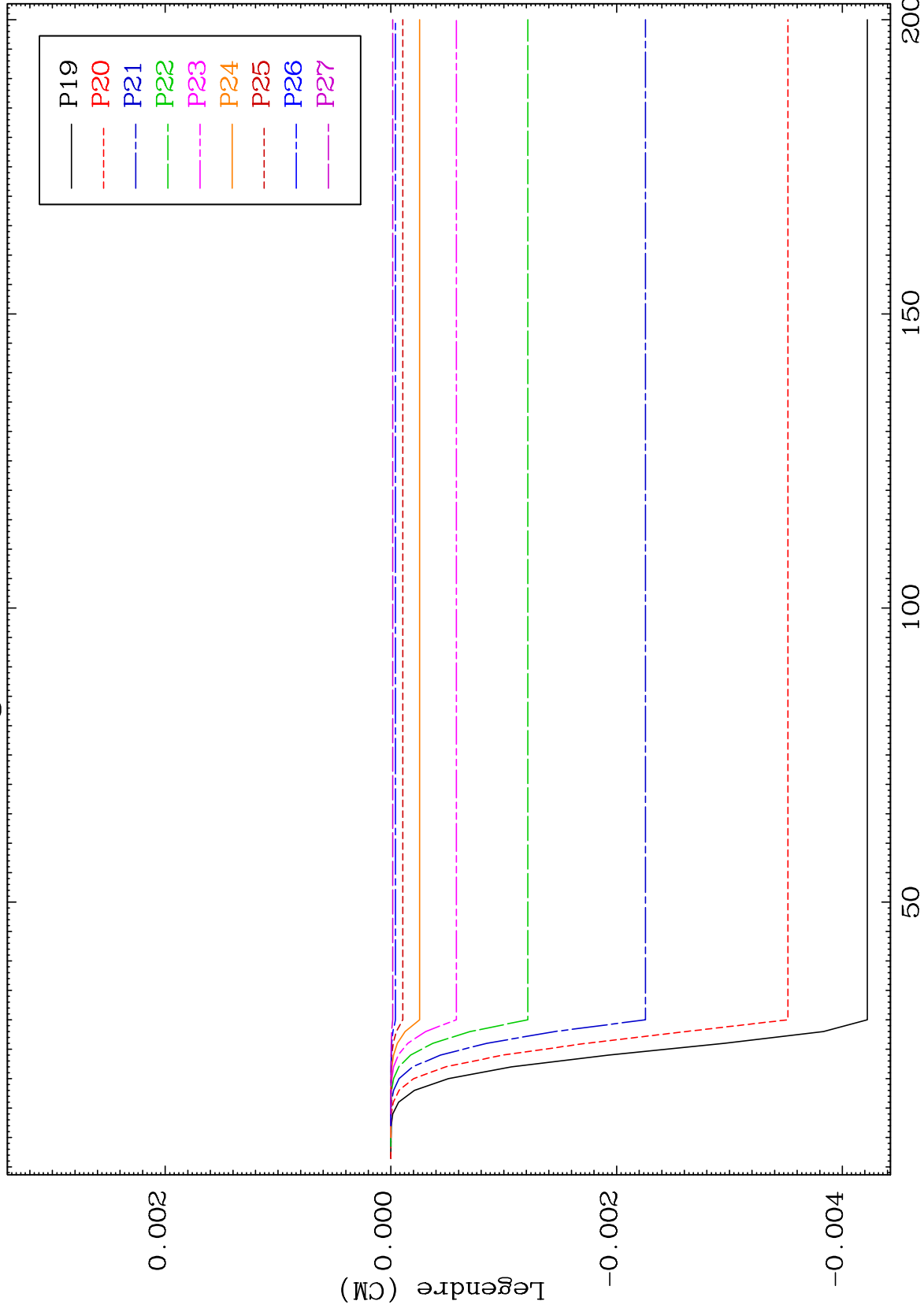
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MAT 6307

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

63-Eu-145



37

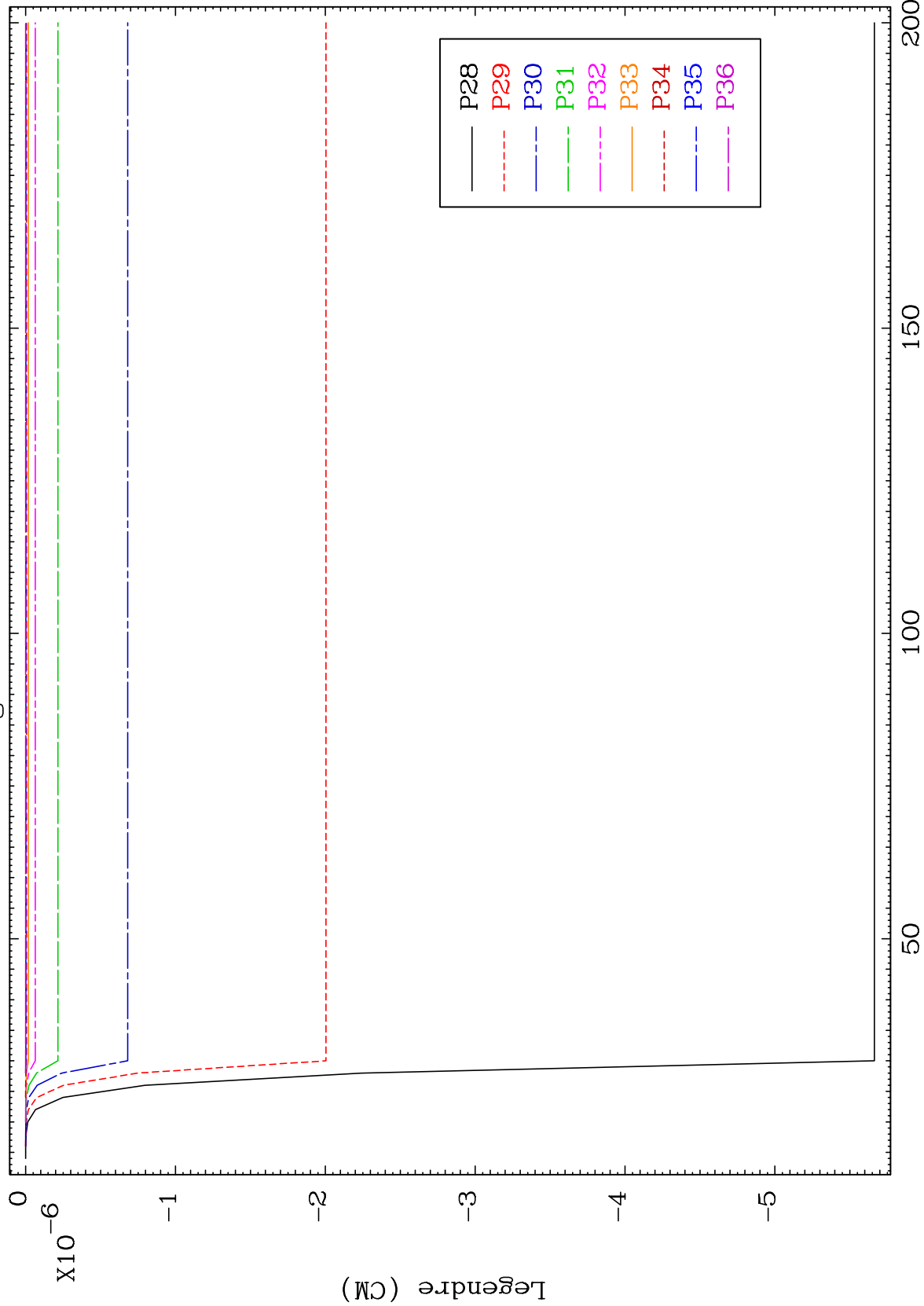
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

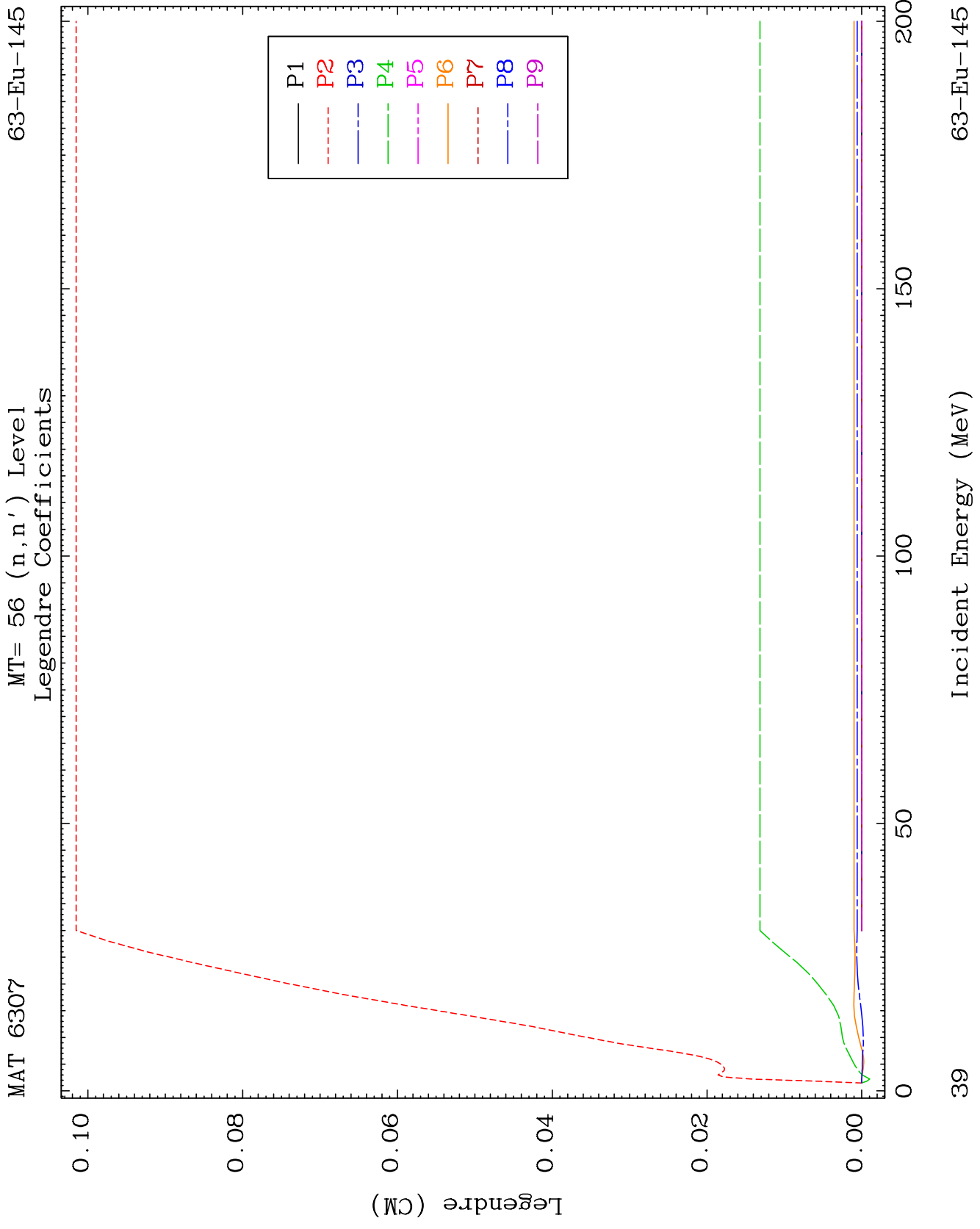
63-Eu-145



38

Incident Energy (MeV)

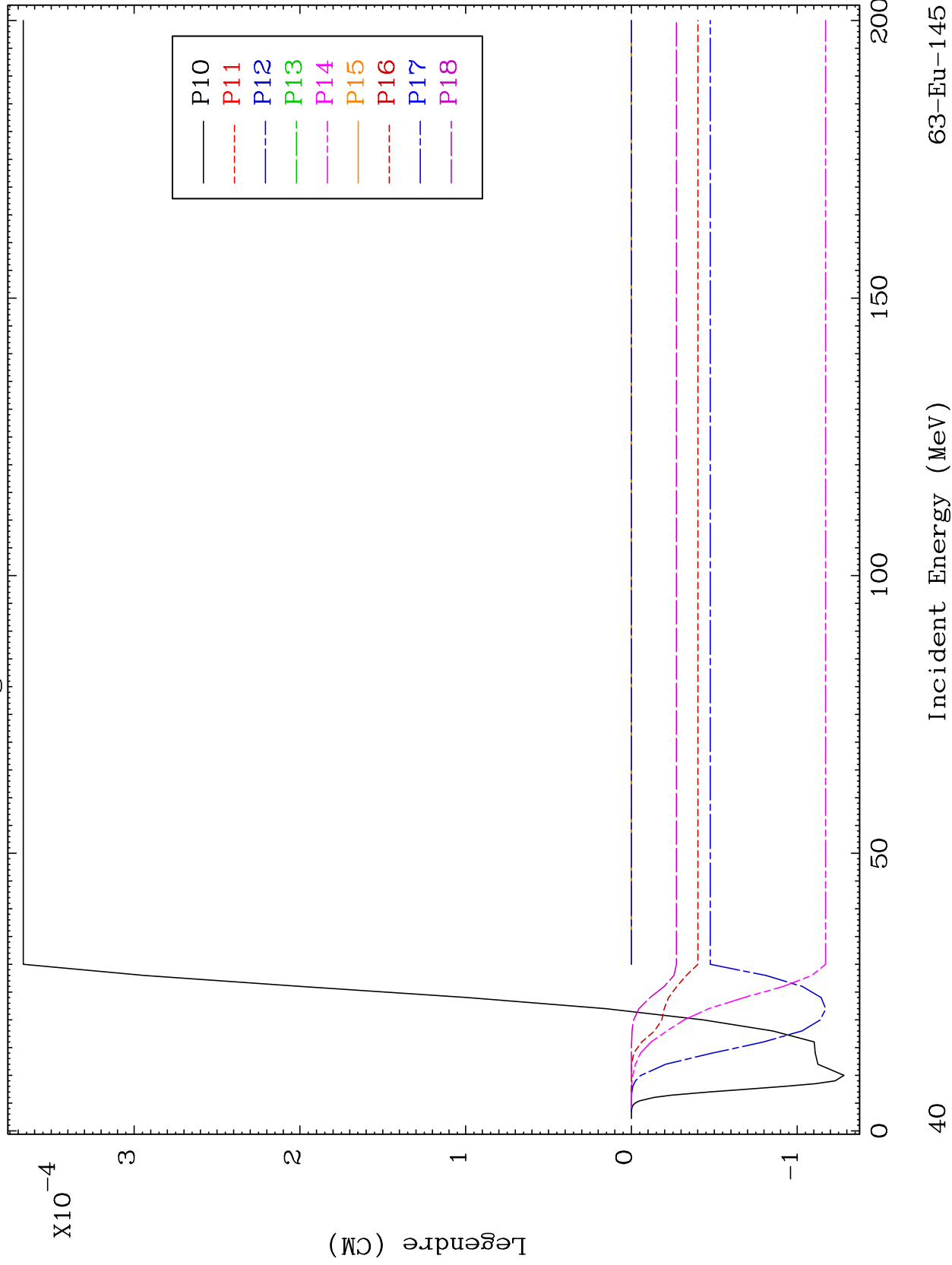
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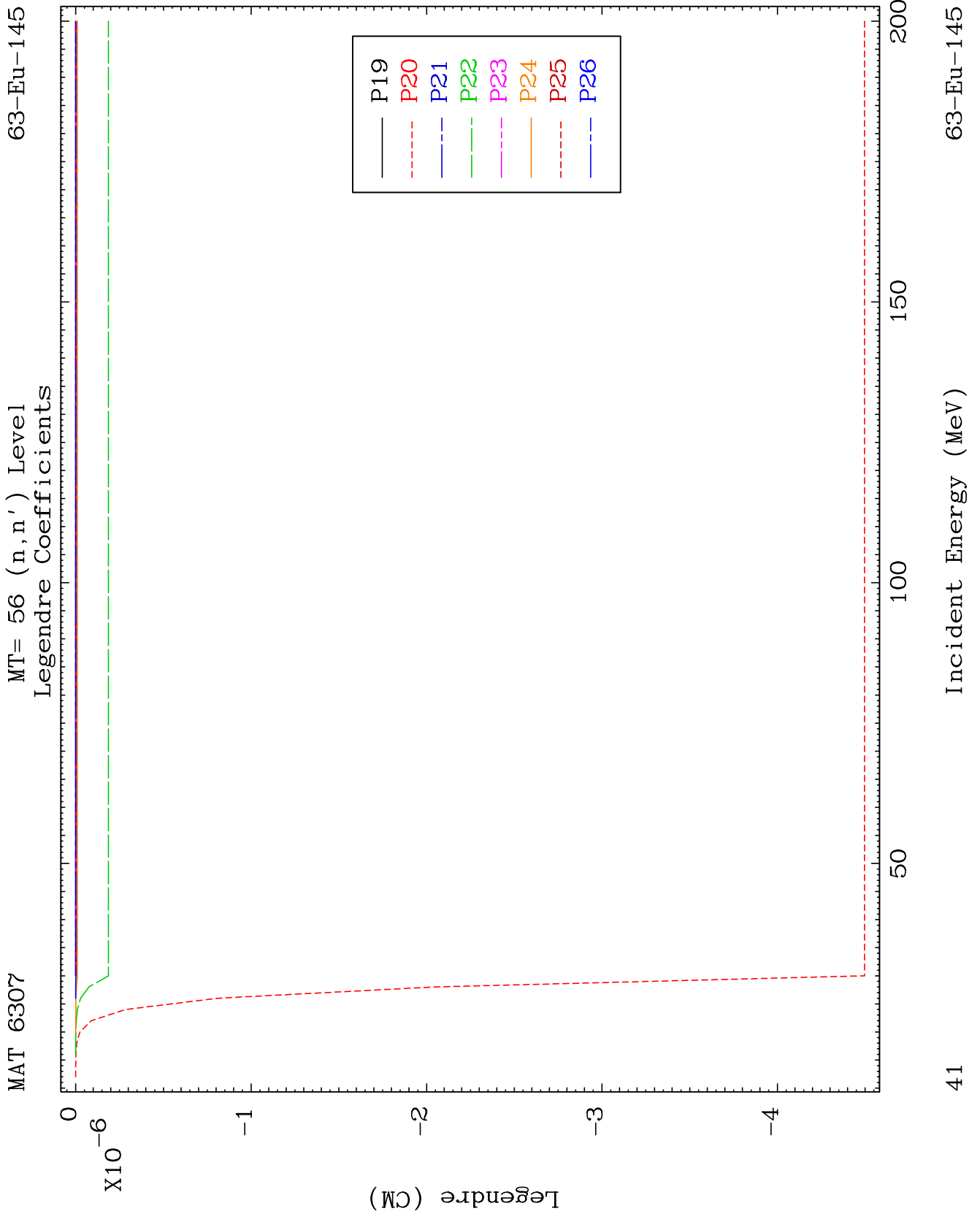


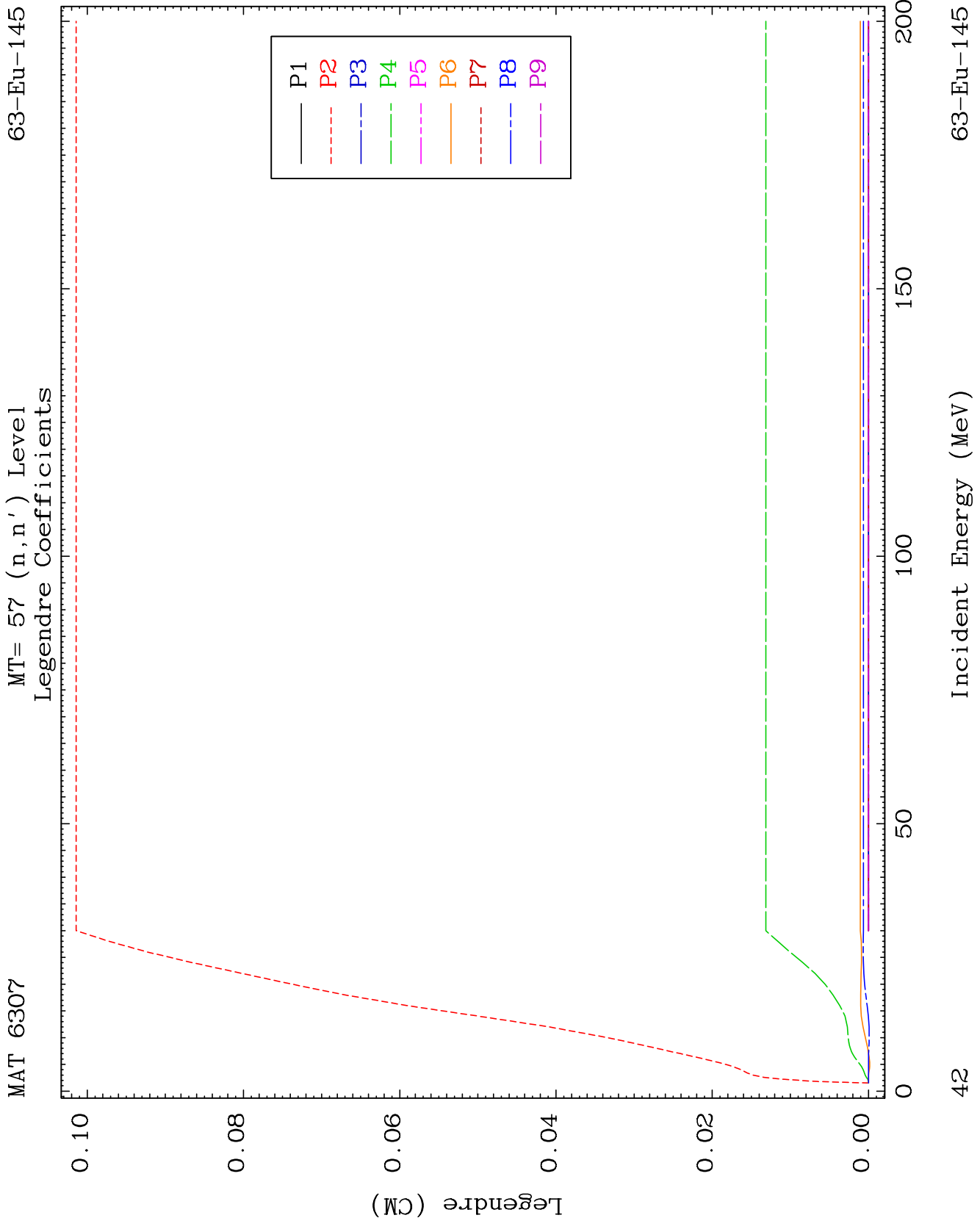
MAT 6307

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

63-Eu-145



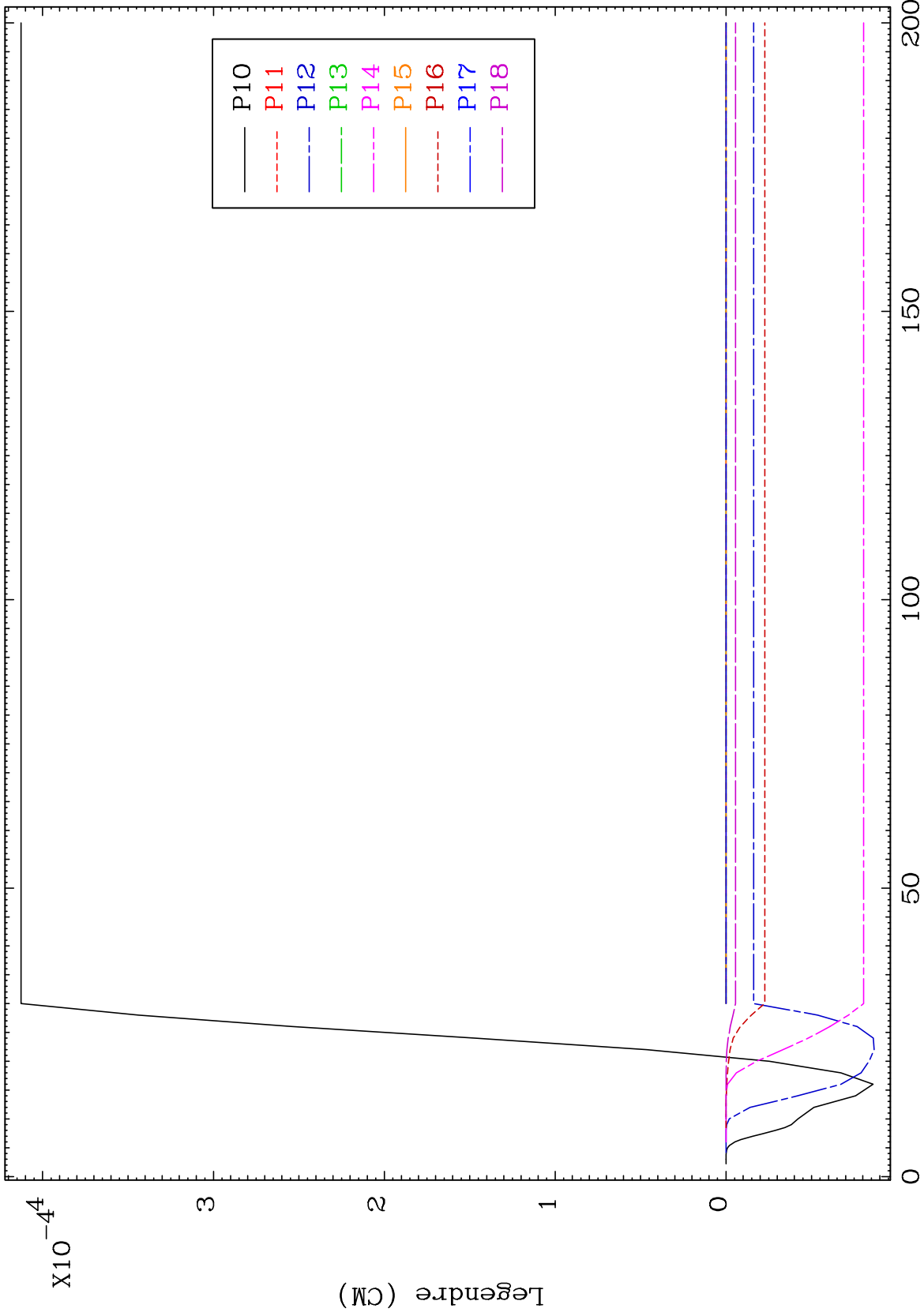




MAT 6307

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

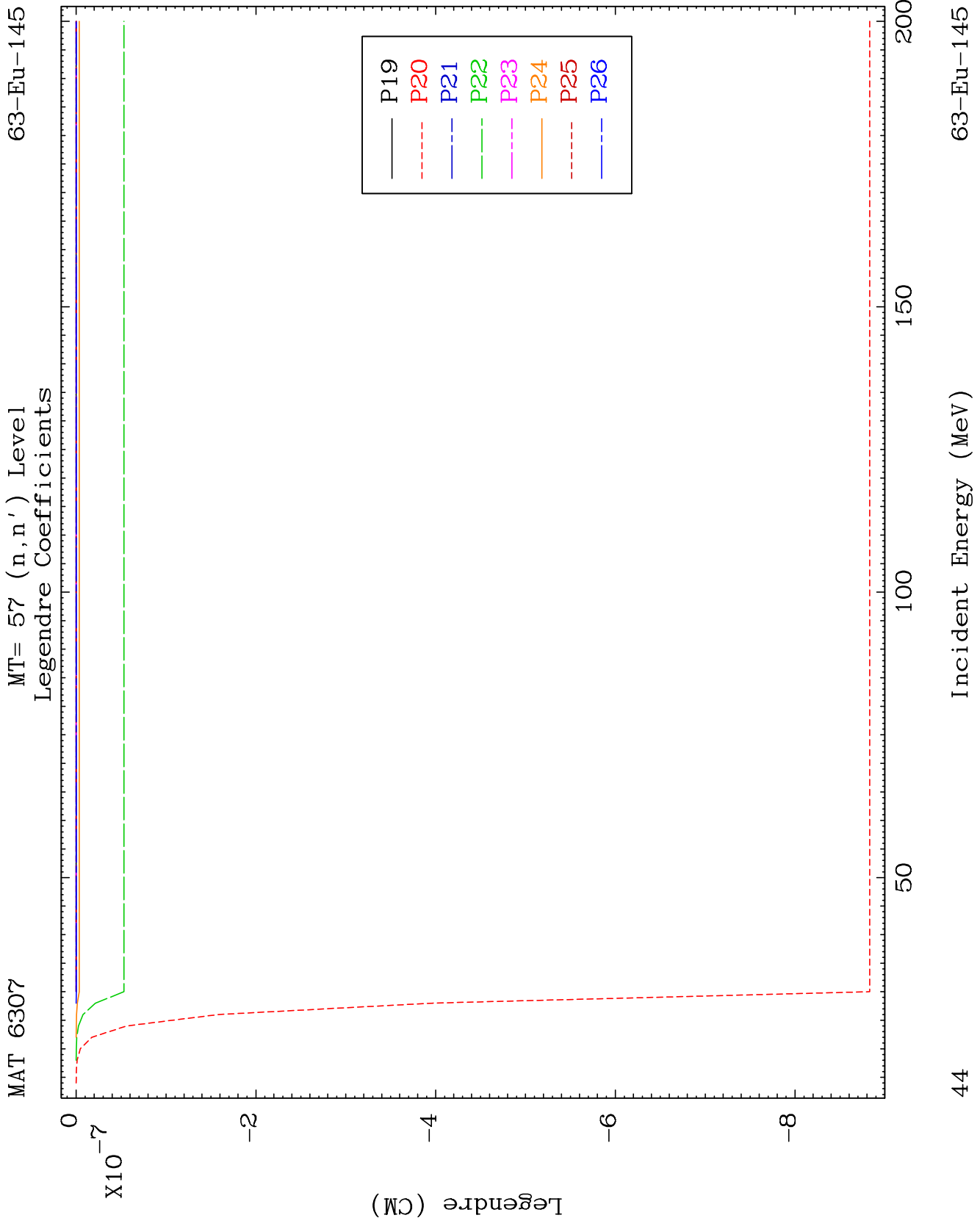
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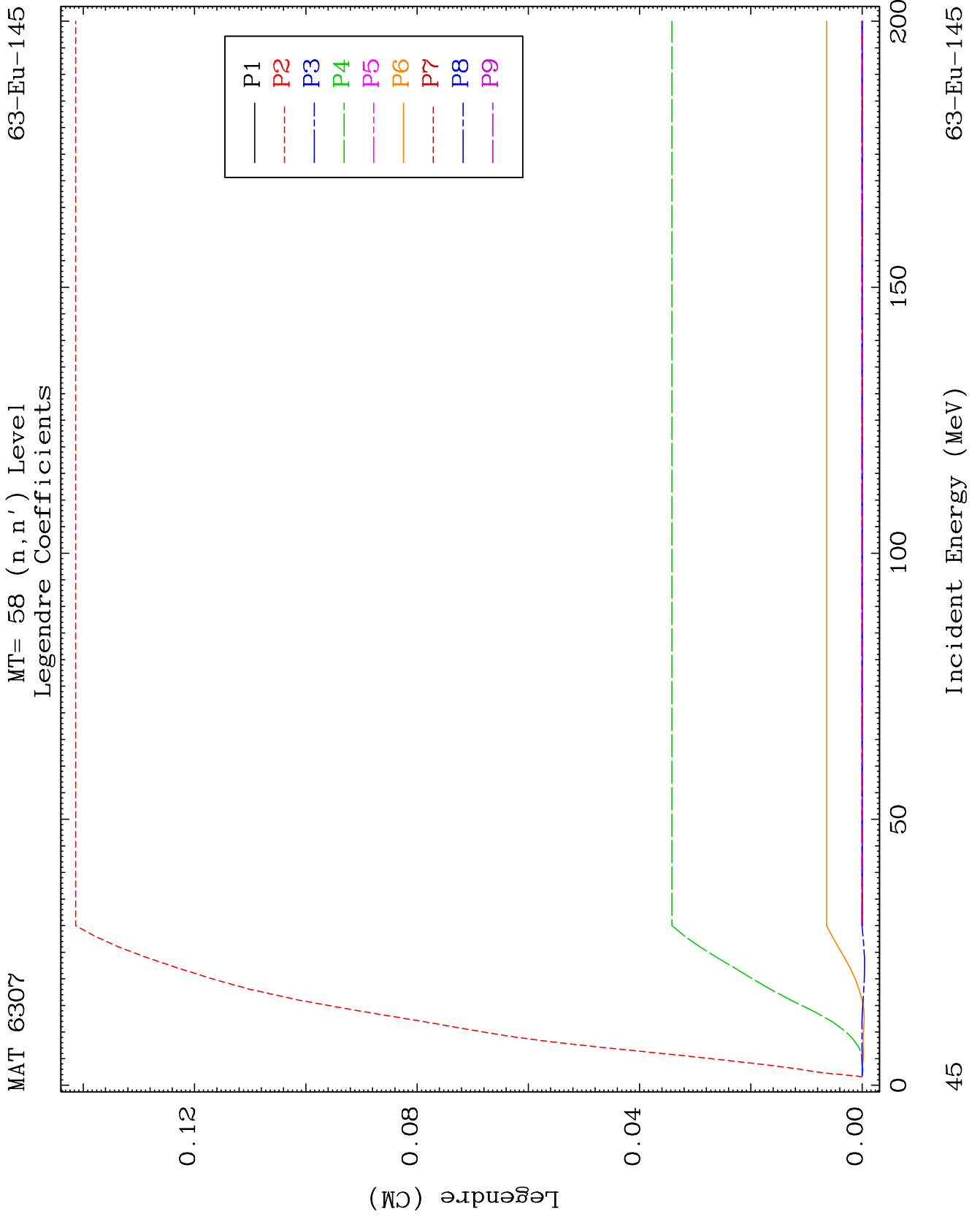


43

Incident Energy (MeV)

63-Eu-145

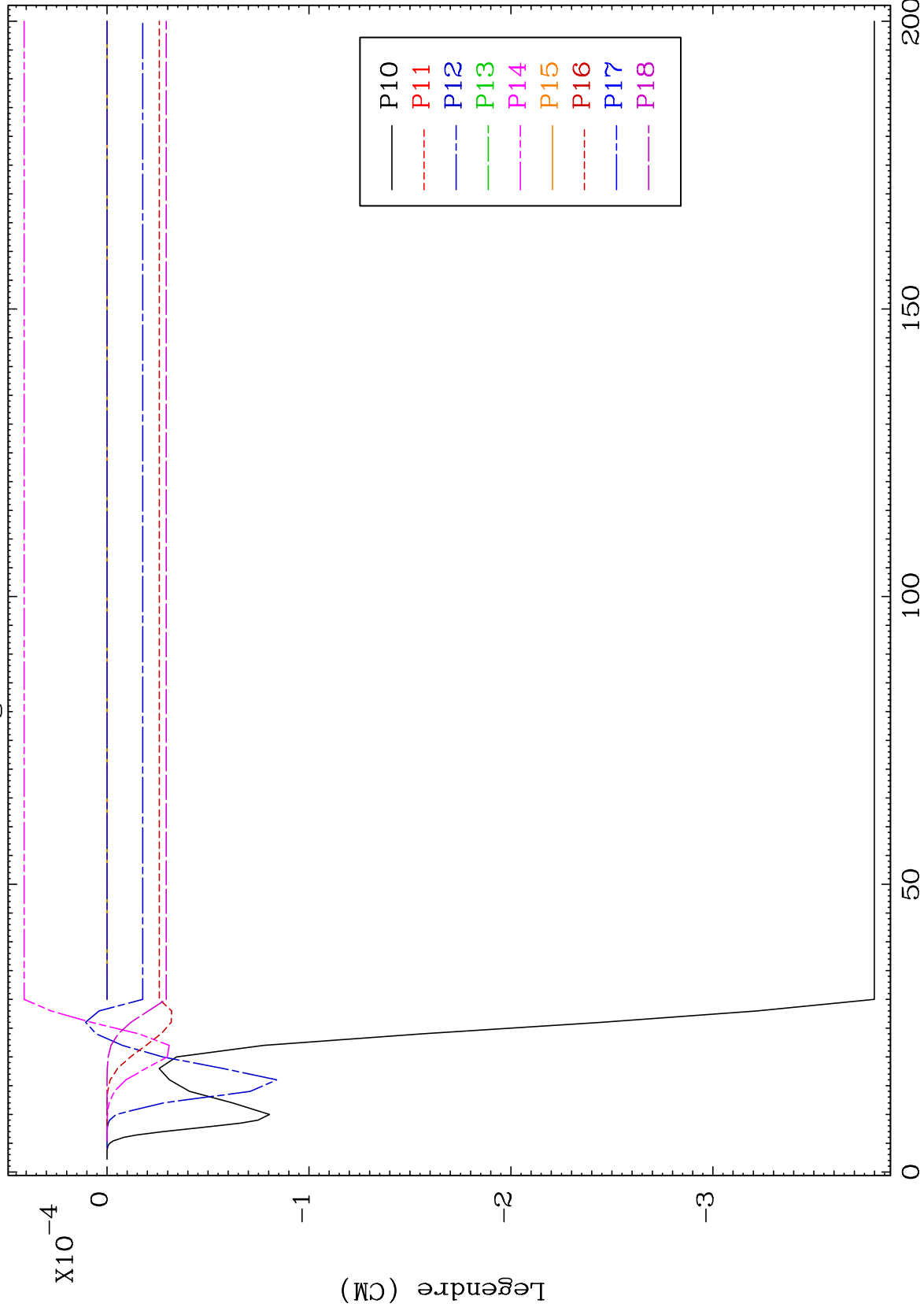




MAT 6307

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

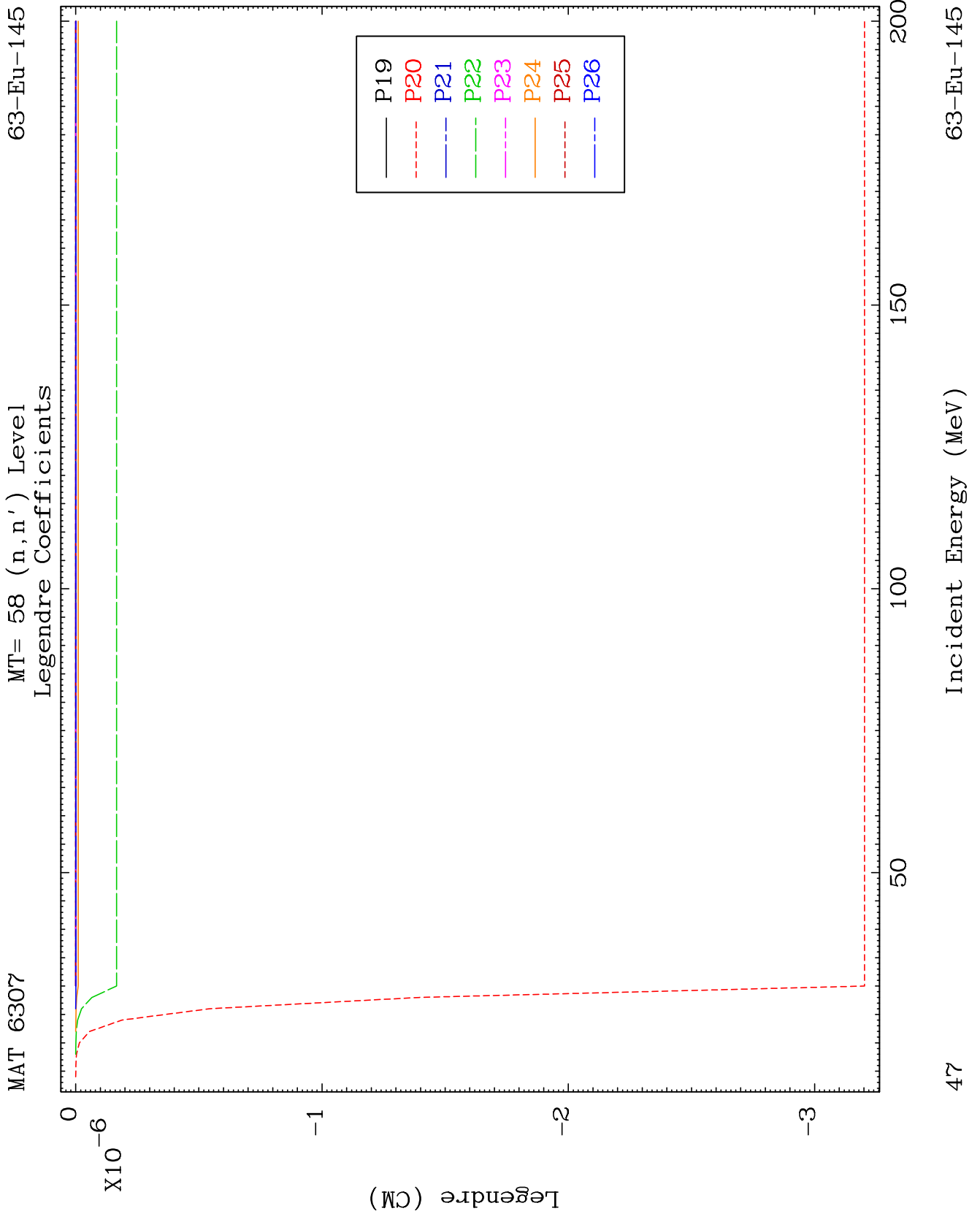
63-Eu-145



46

Incident Energy (MeV)

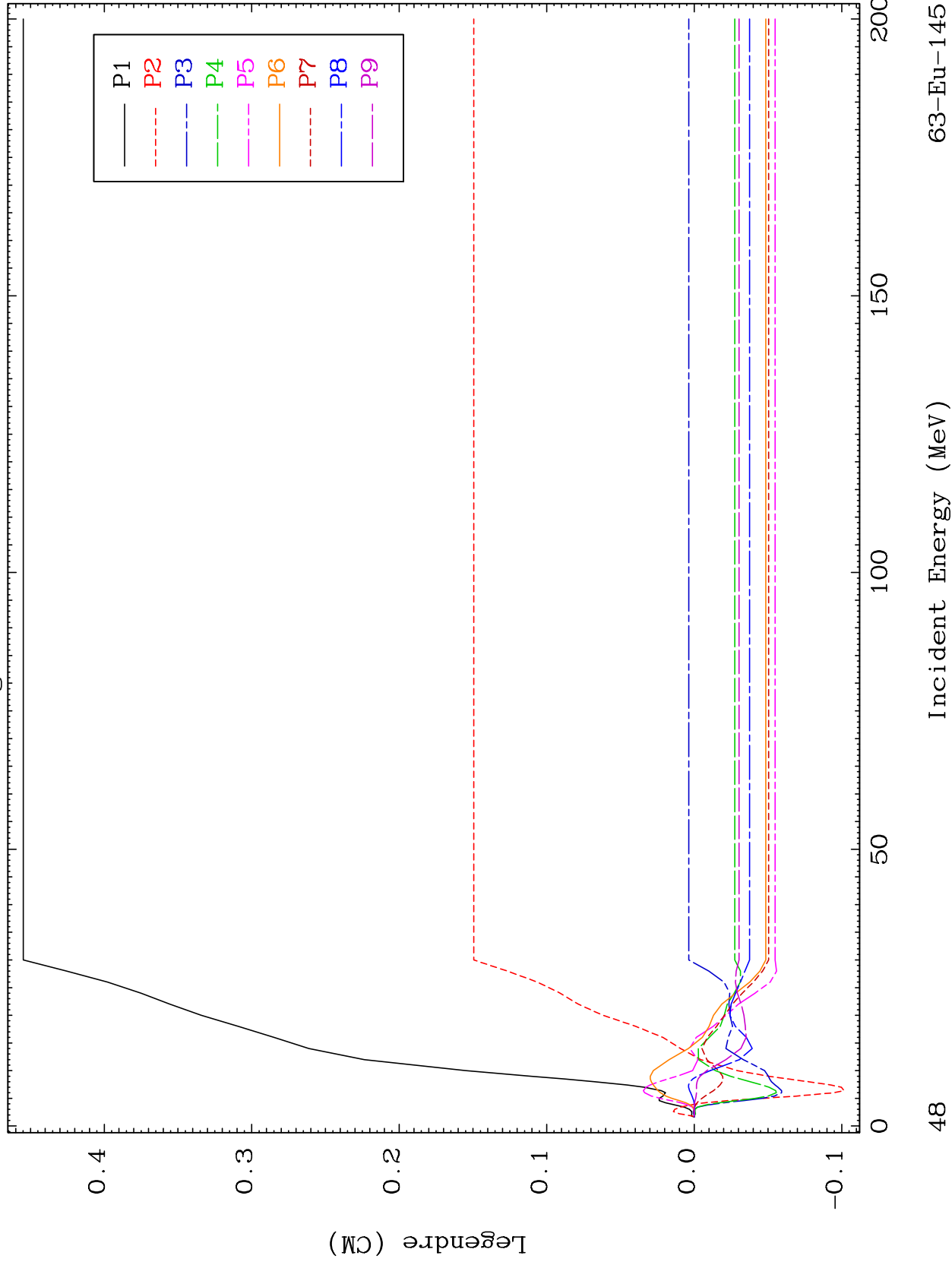
63-Eu-145



MAT 6307

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

63-Eu-145



63-Eu-145

Incident Energy (MeV)

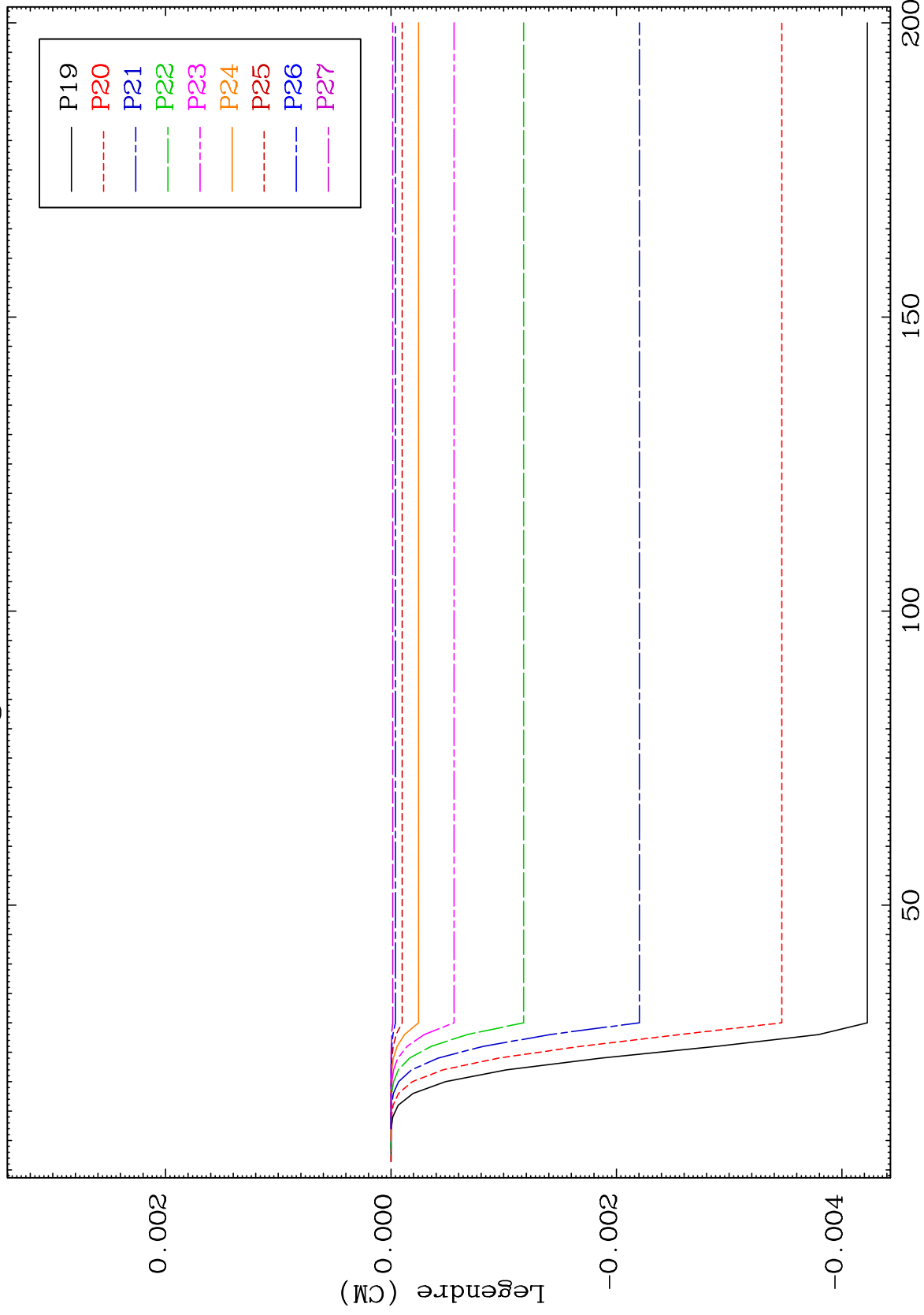
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MAT 6307

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

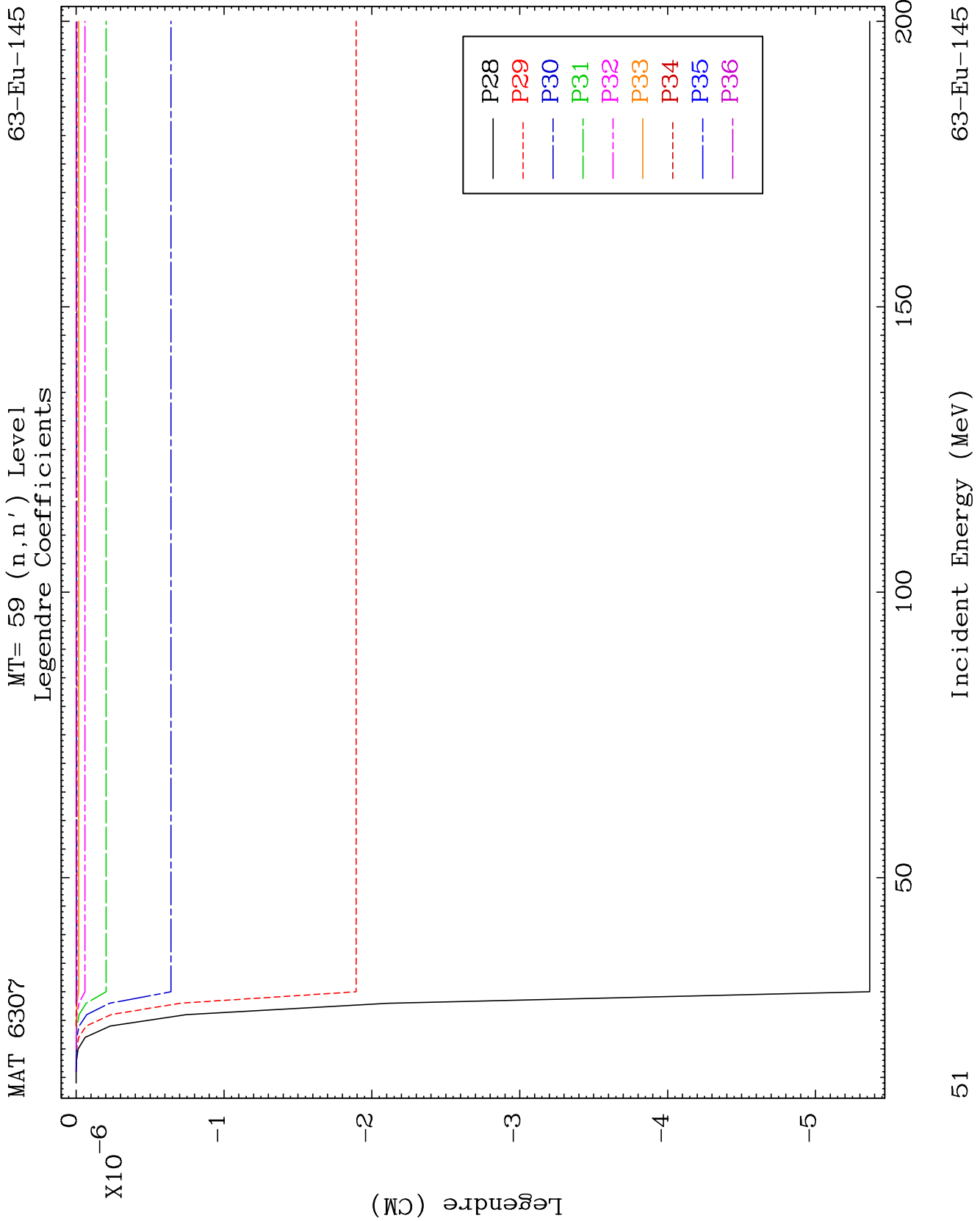
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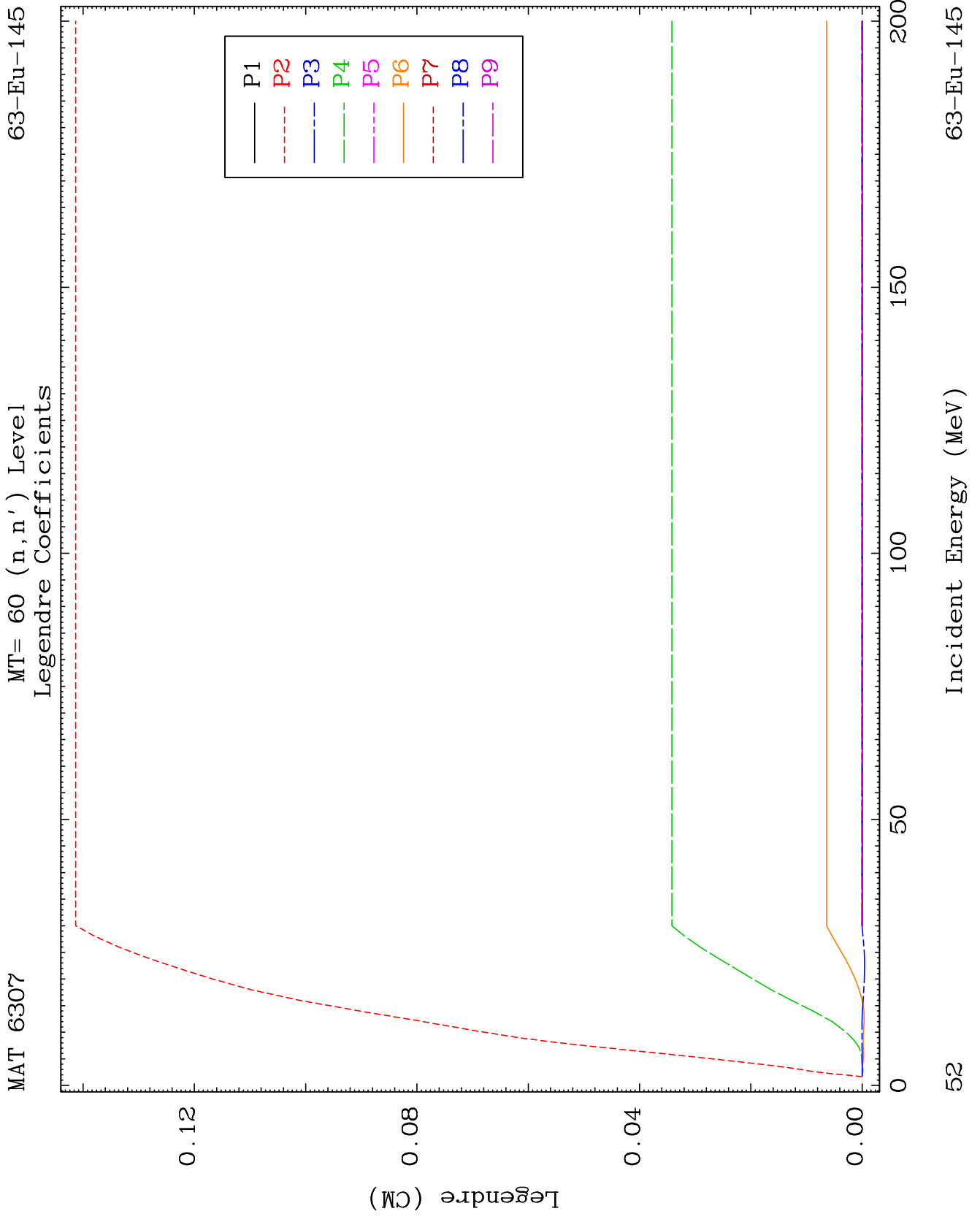


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Incident Energy (MeV)

63-Eu-145

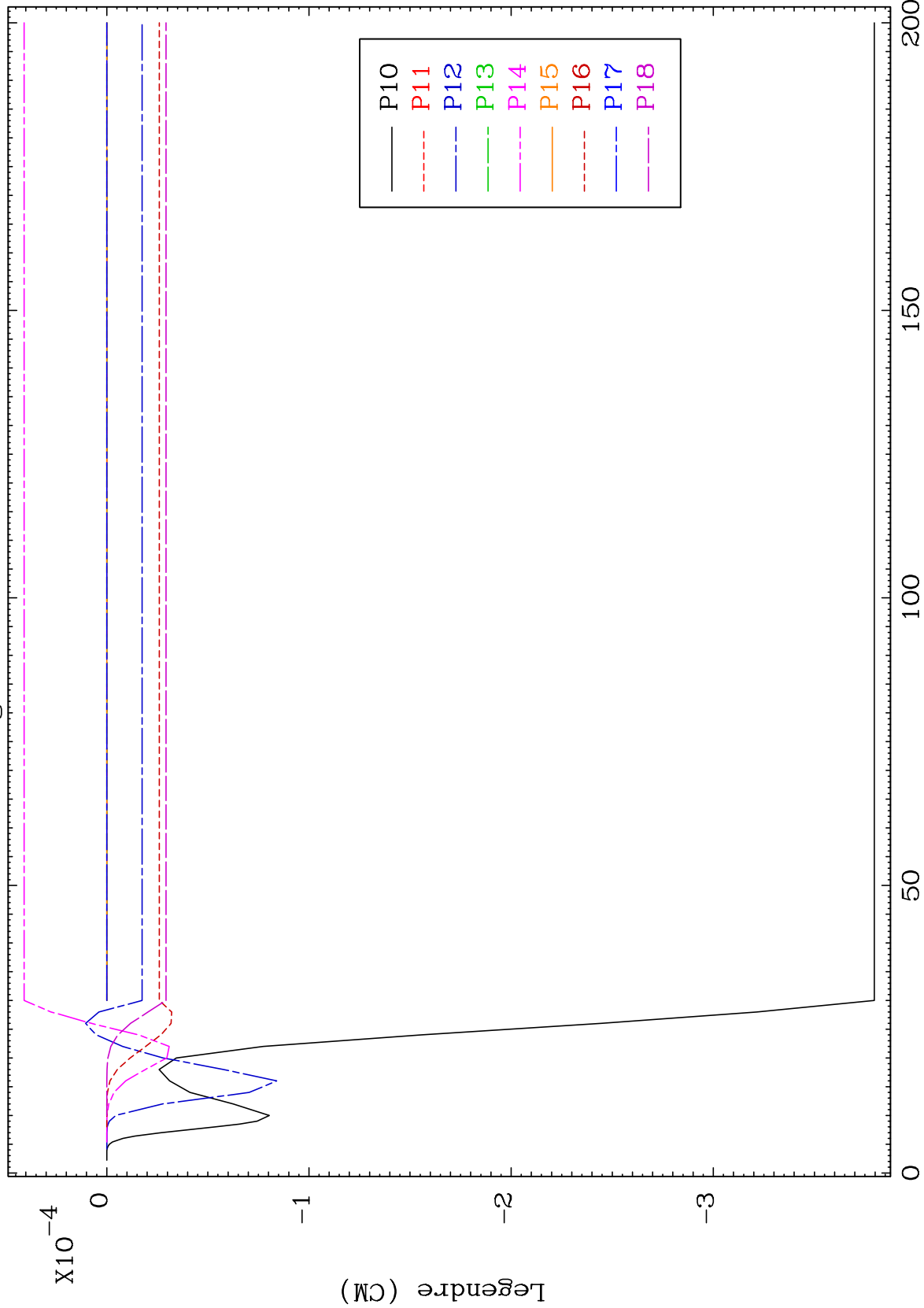




MAT 6307

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

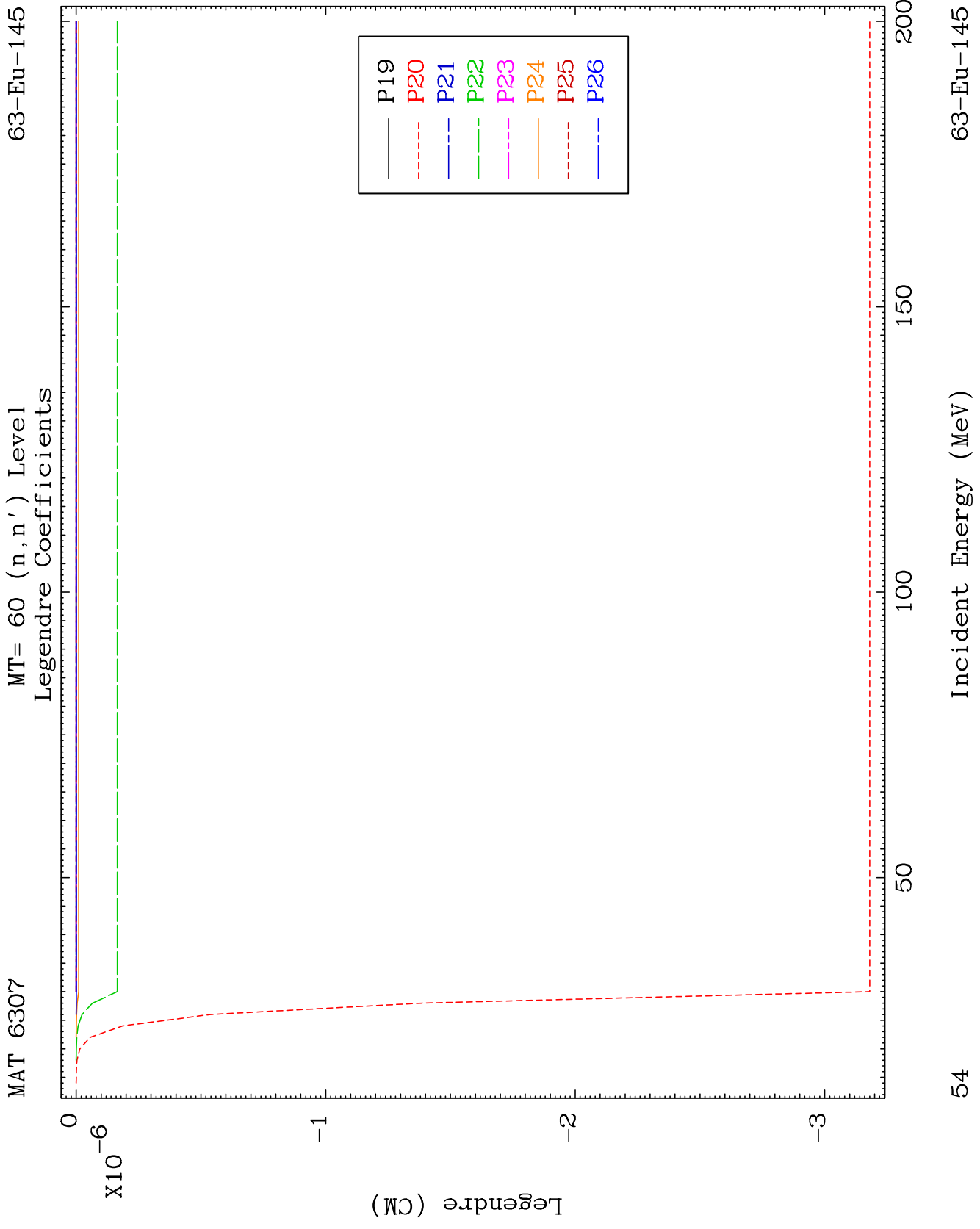
63-Eu-145



53

Incident Energy (MeV)

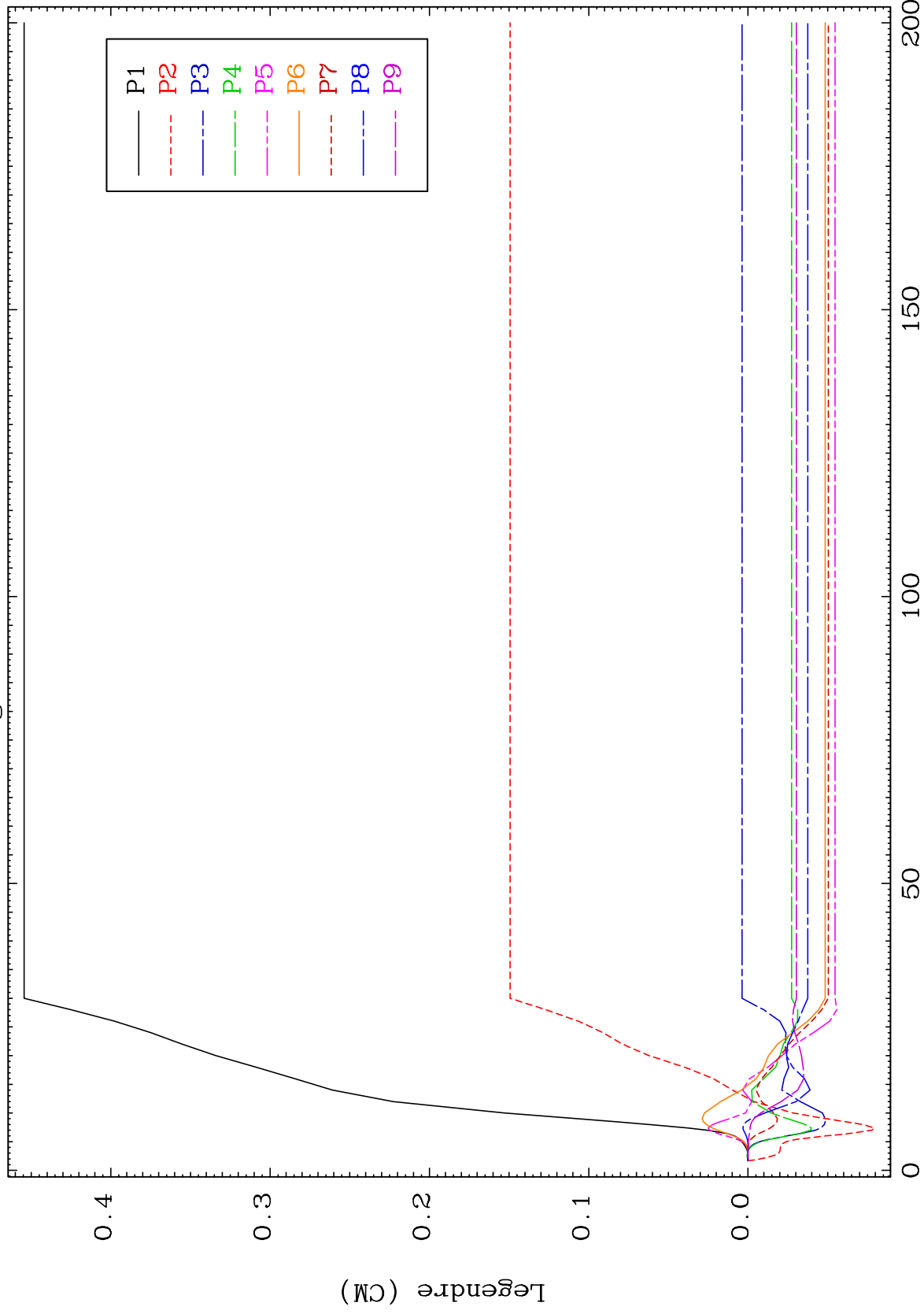
63-Eu-145



MAT 6307

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

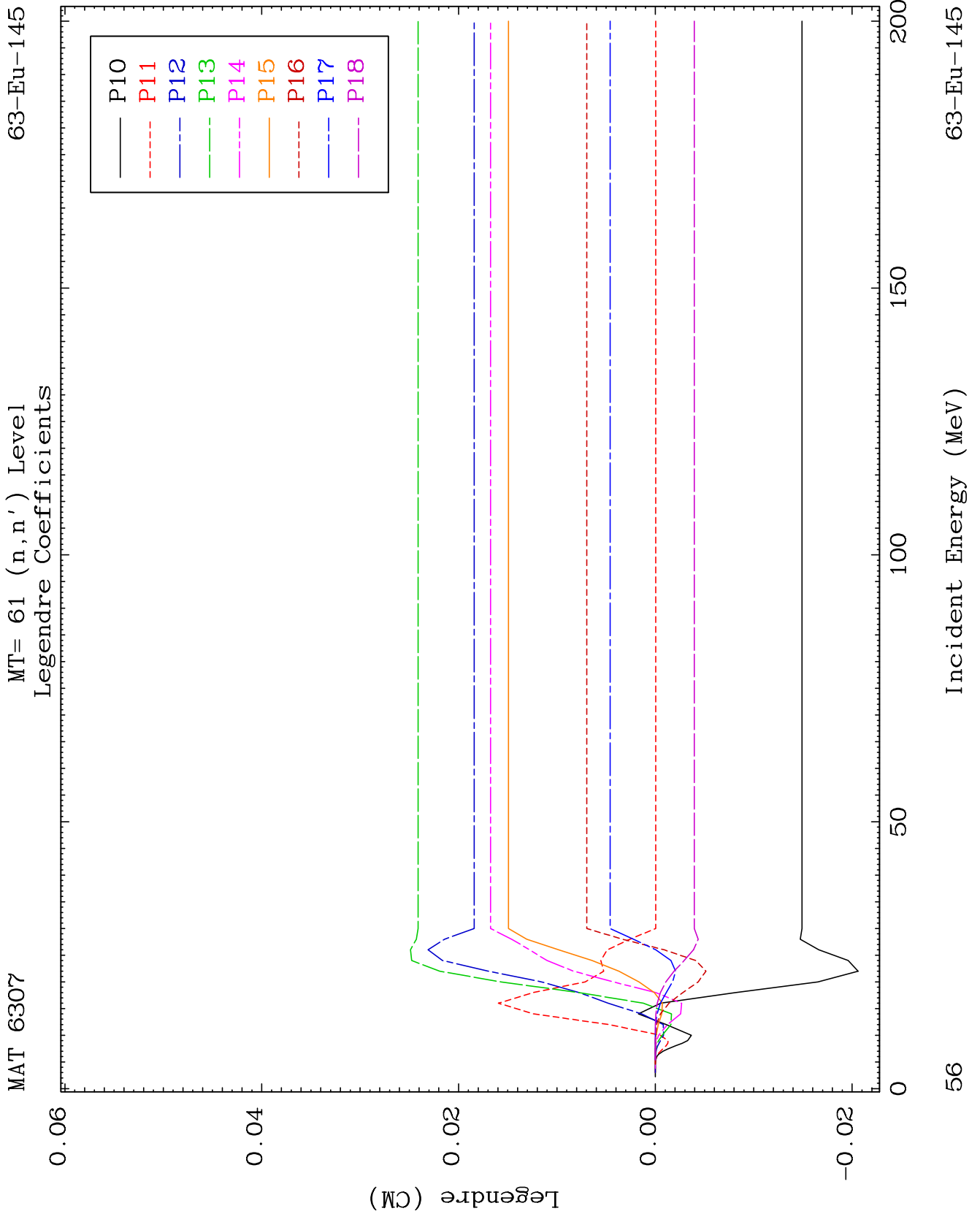
63-Eu-145



63-Eu-145

Incident Energy (MeV)

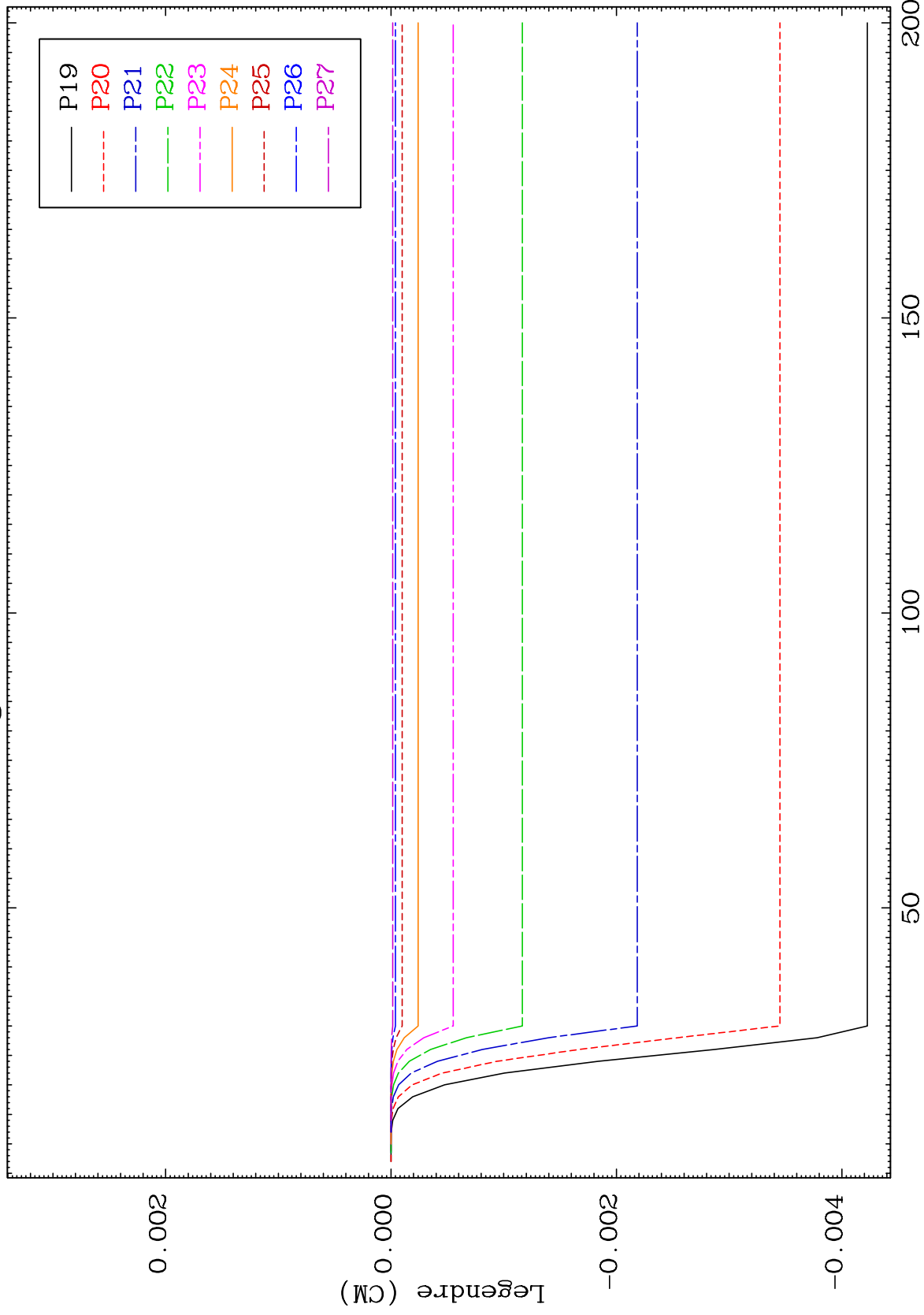
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MAT 6307

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

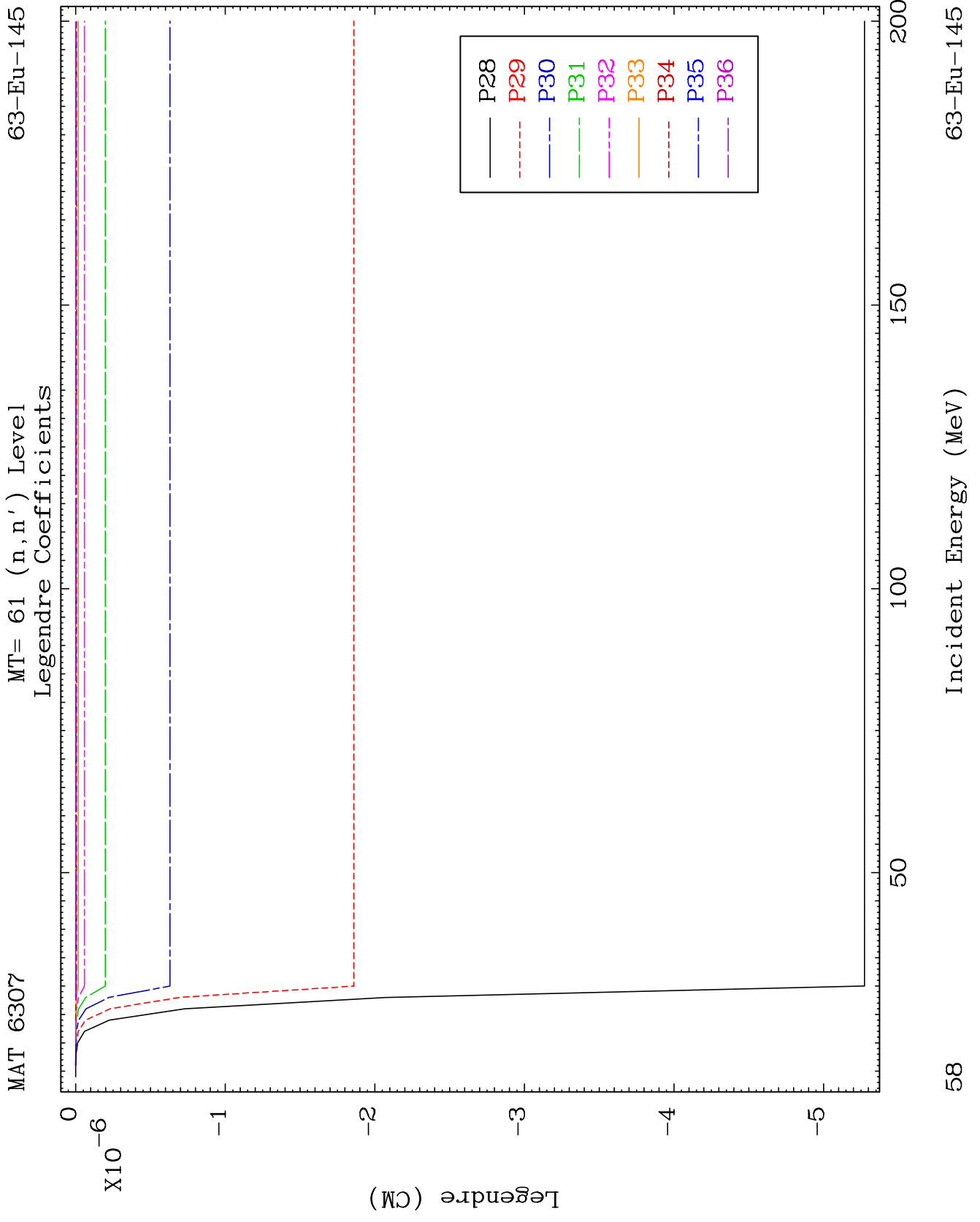
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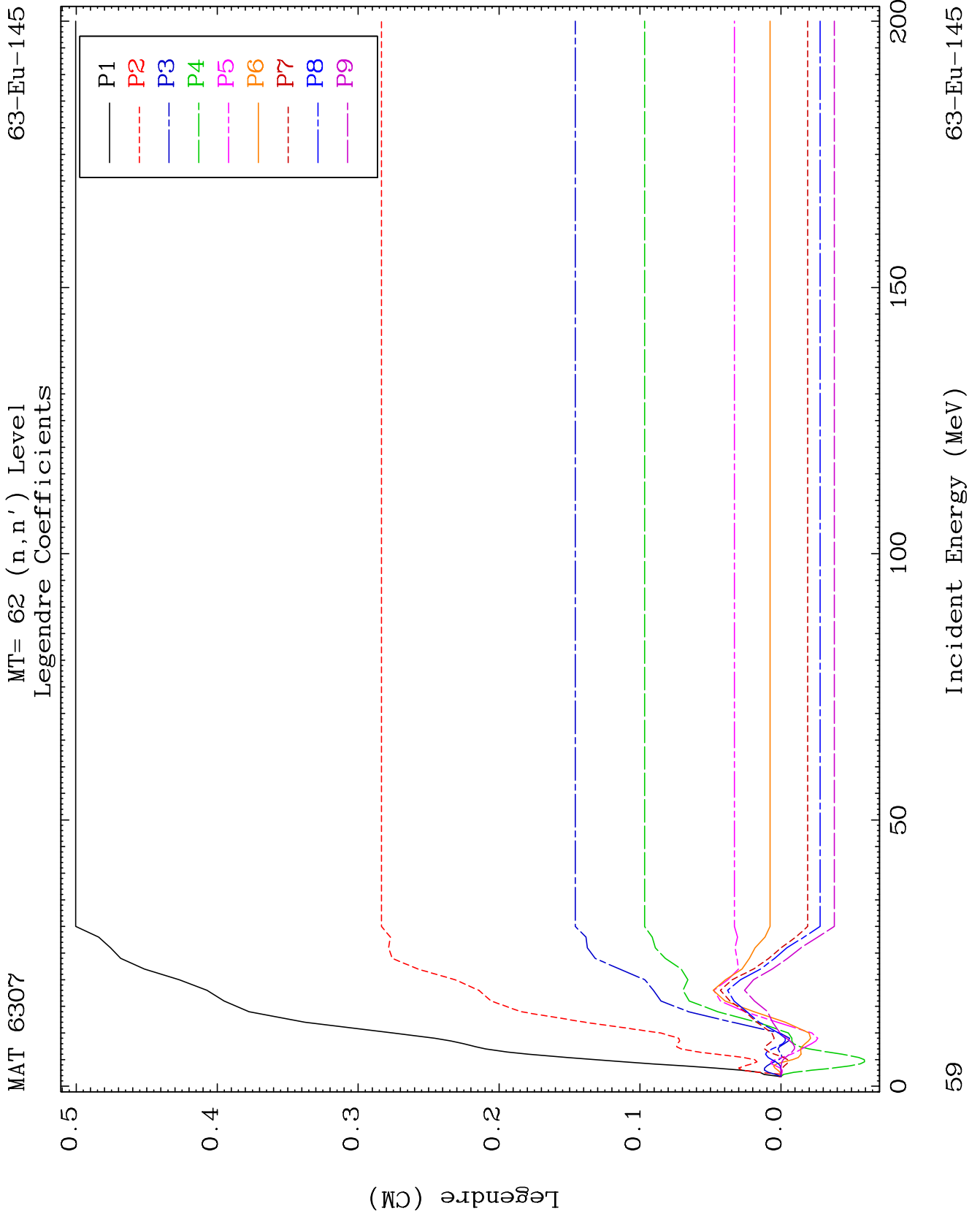


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Incident Energy (MeV)

63-Eu-145

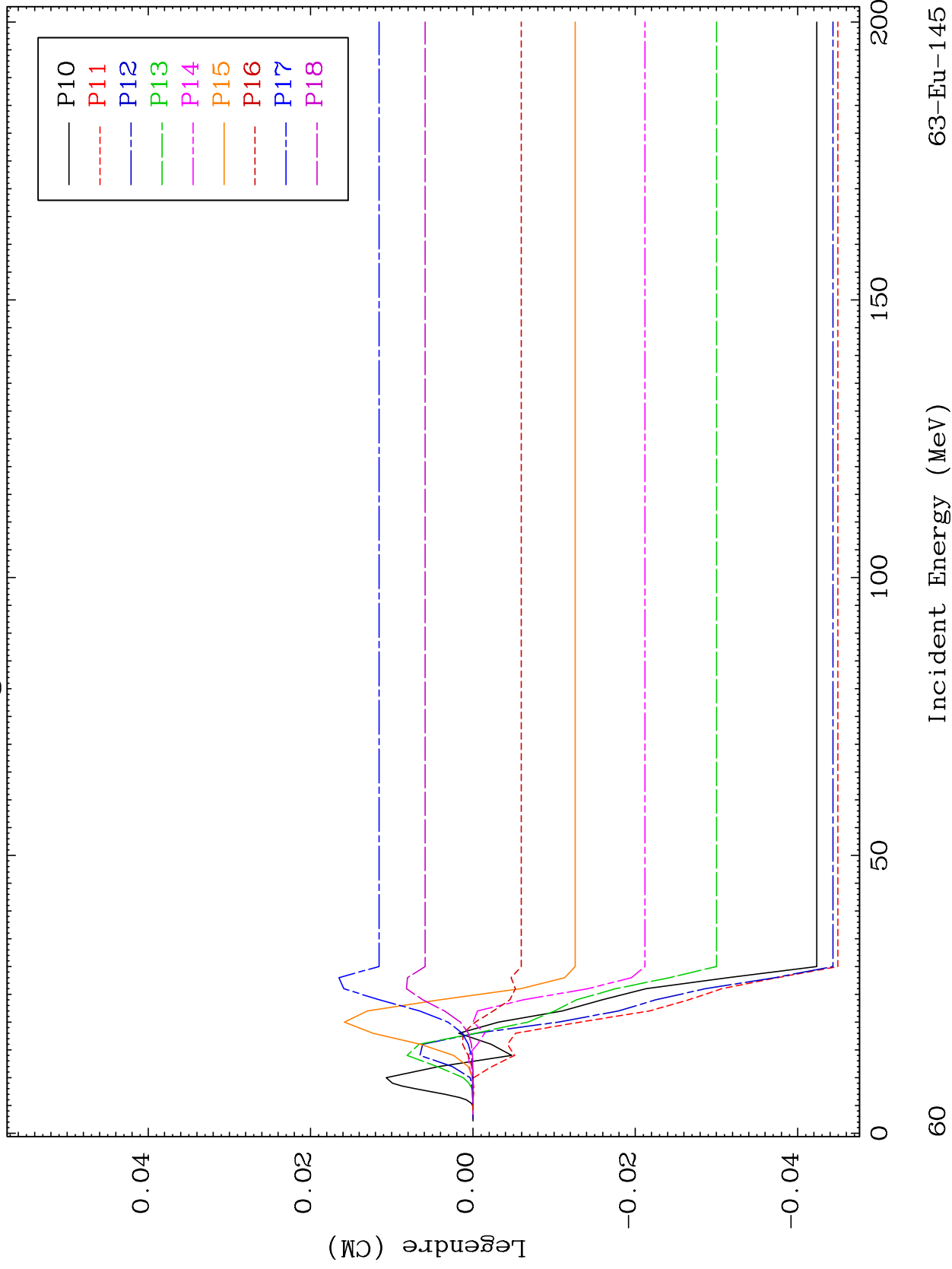




MAT 6307

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

63-Eu-145



63-Eu-145

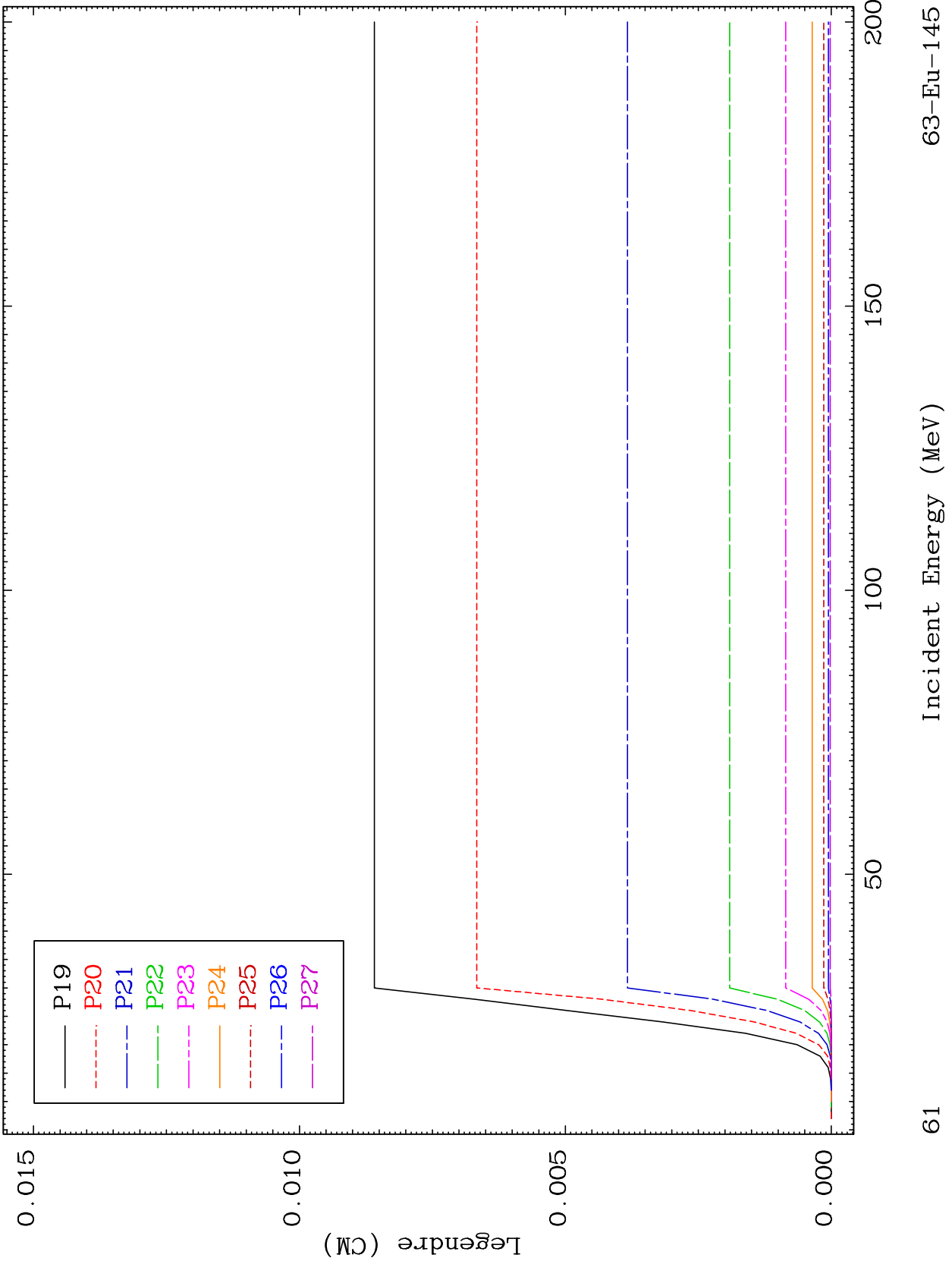
Incident Energy (MeV)

60

MAT 6307

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

63-Eu-145



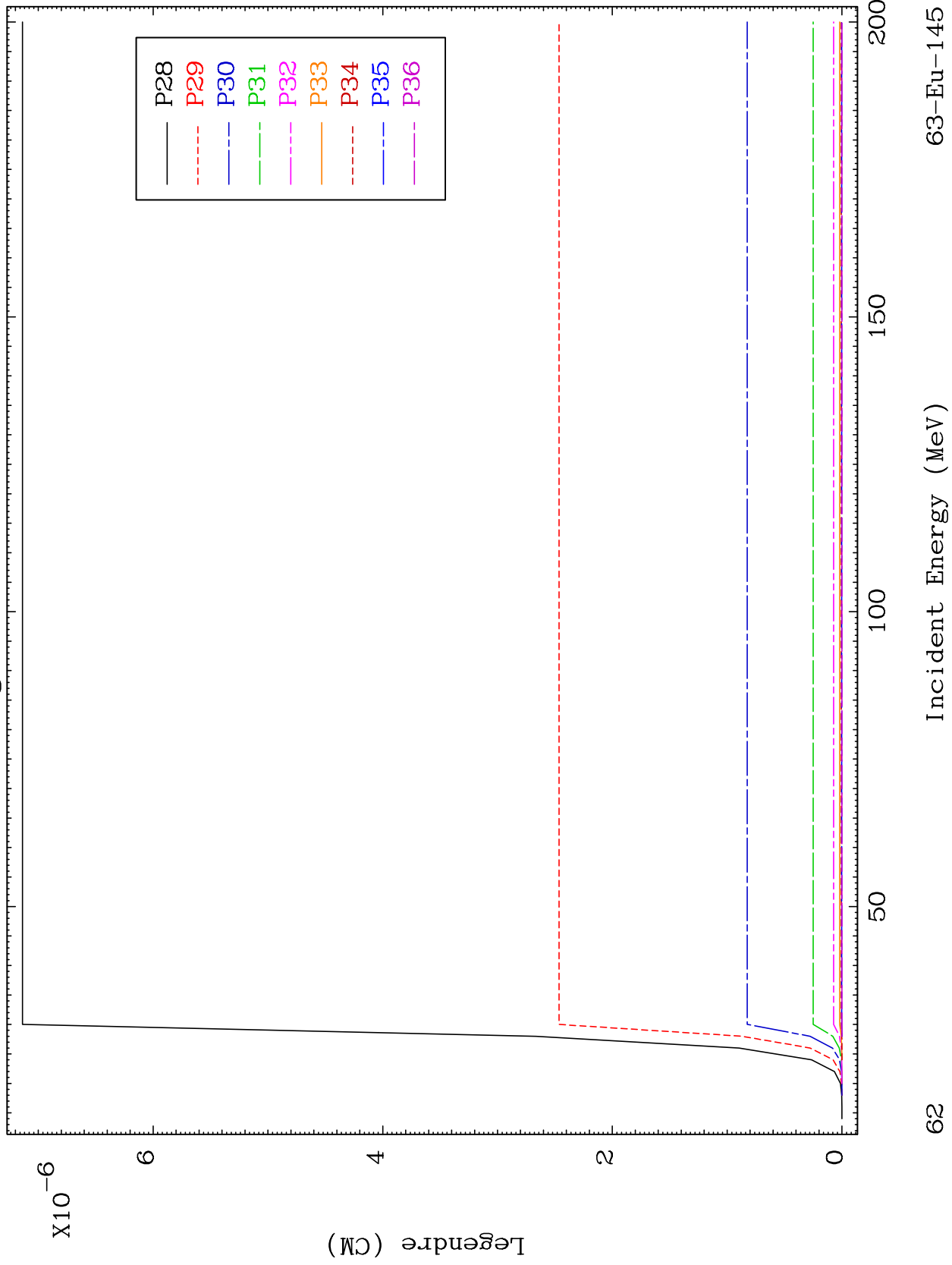
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63-Eu-145

MAT 6307

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

63-Eu-145

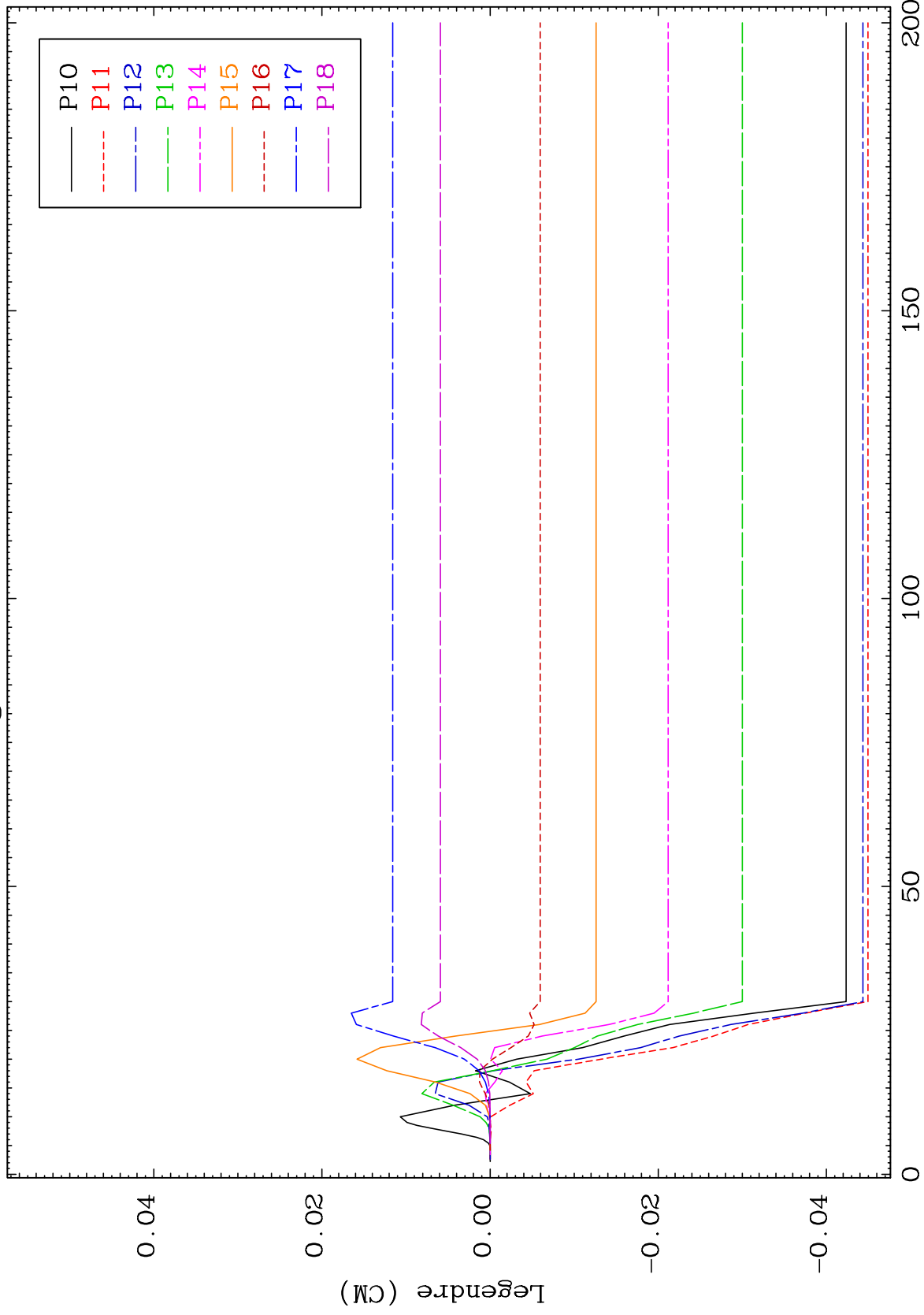




MAT 6307

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

63-Eu-145



64

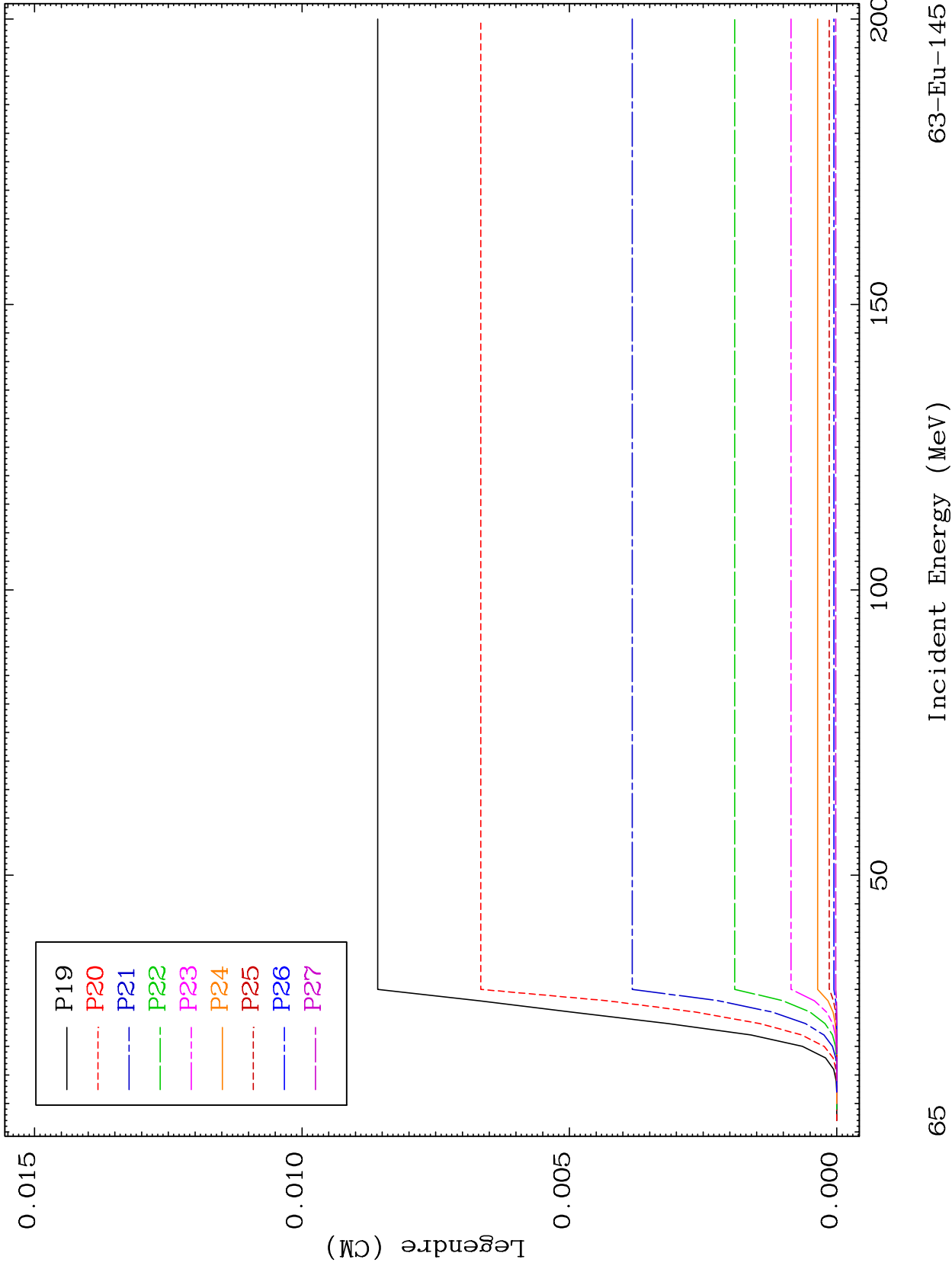
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



65

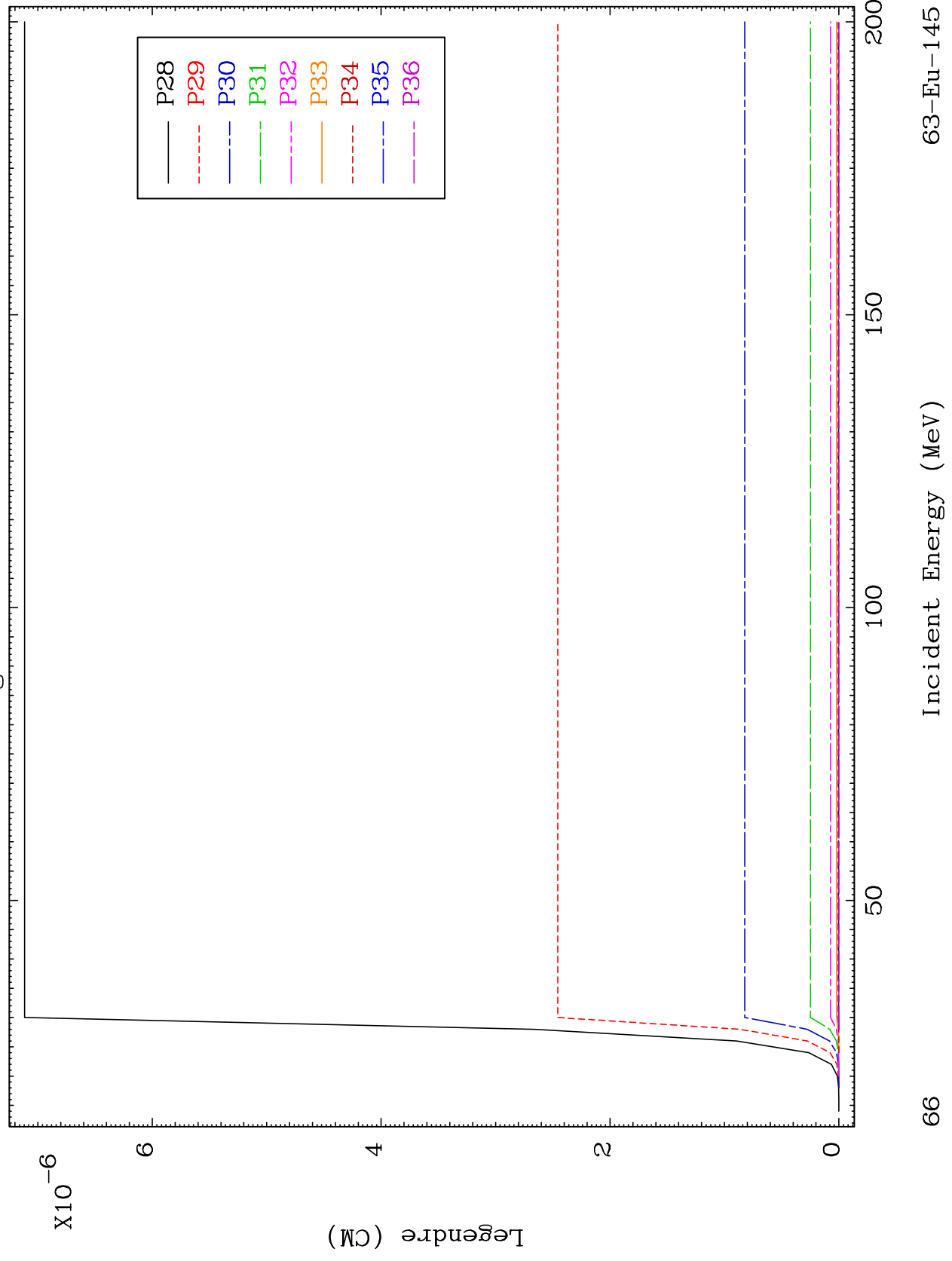
Incident Energy (MeV)

63-Eu-145

MAT 6307

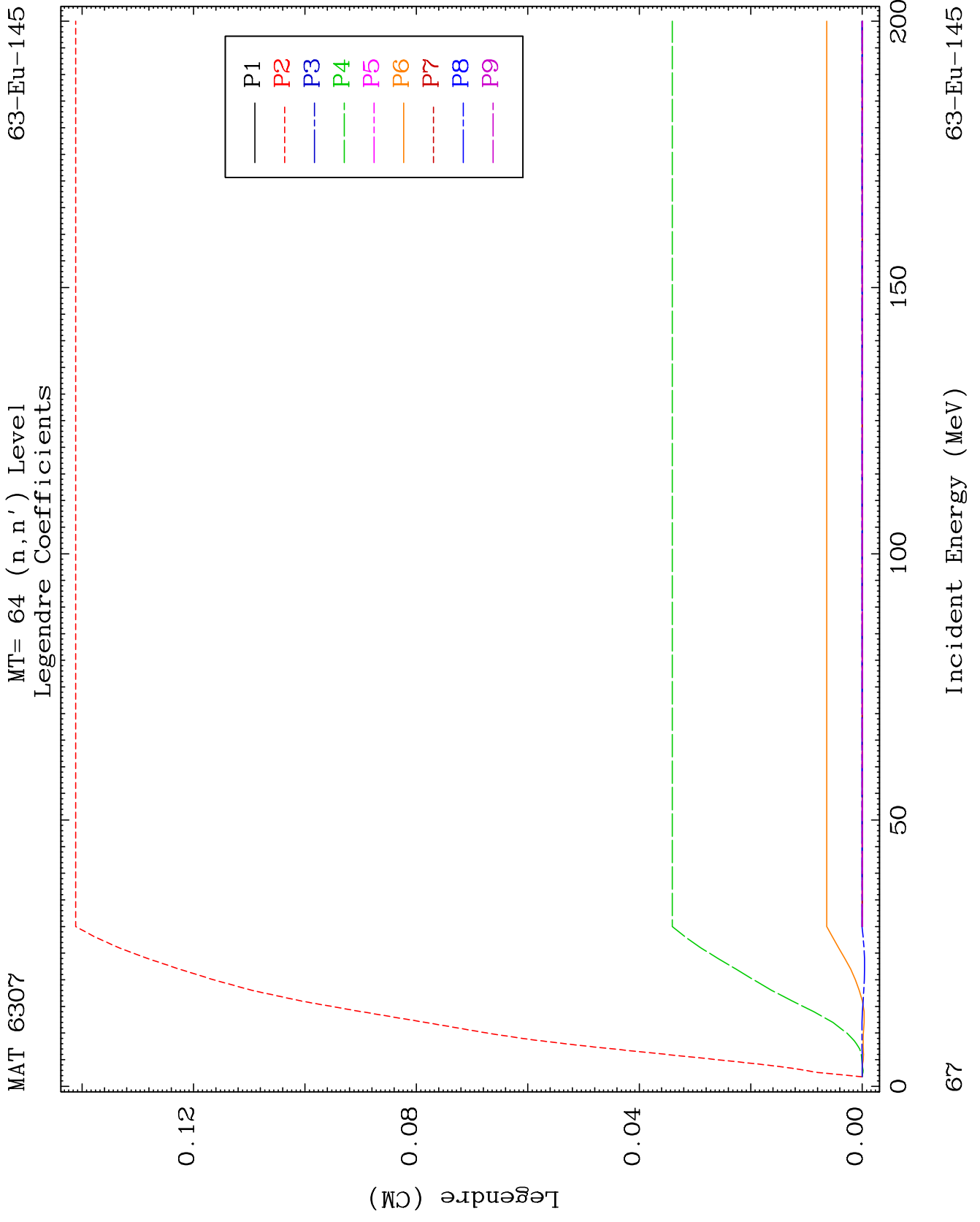
MT= 63 (n,n') Level  
Legendre Coefficients

63-Eu-145



66

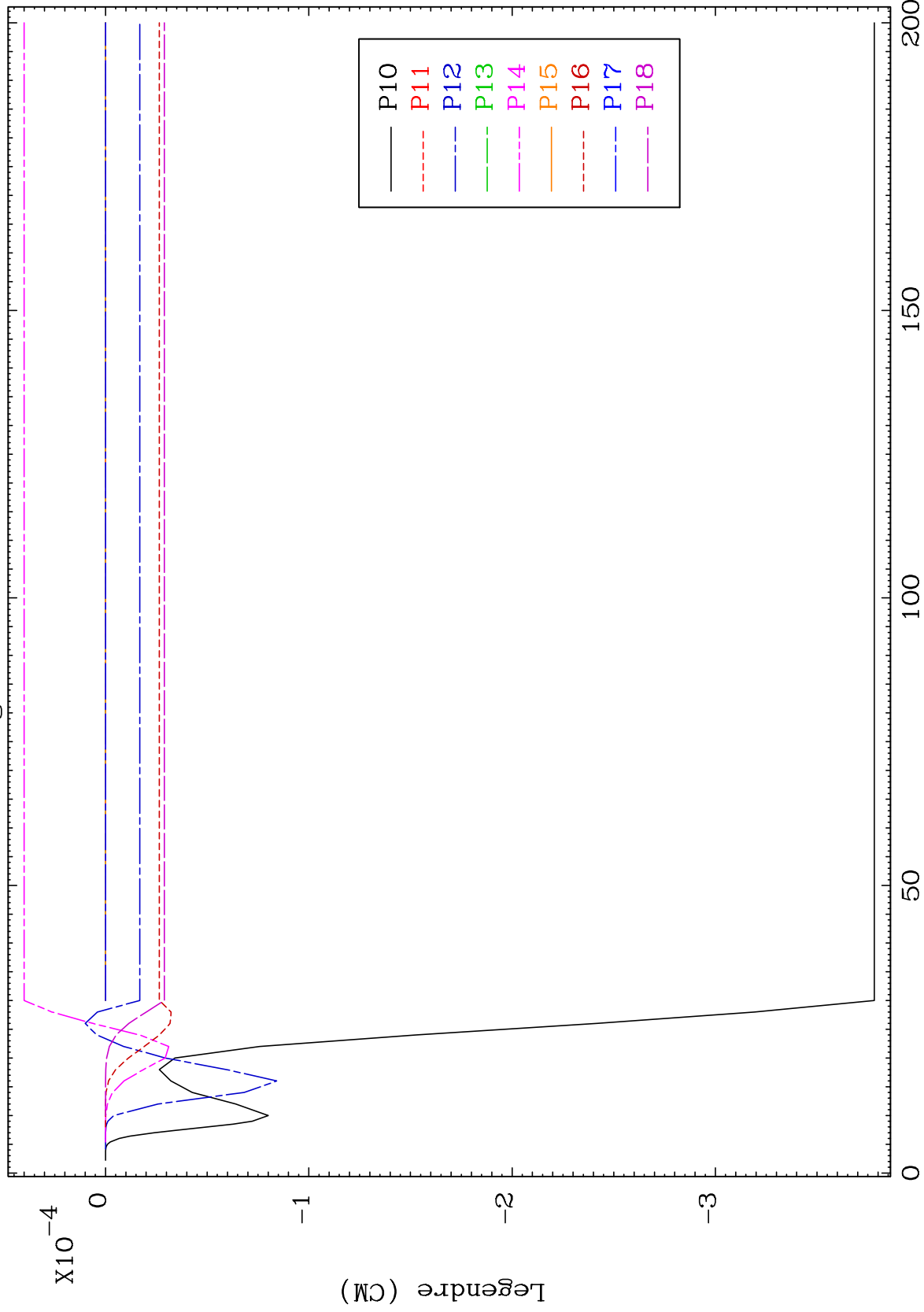
63-Eu-145



MAT 6307

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

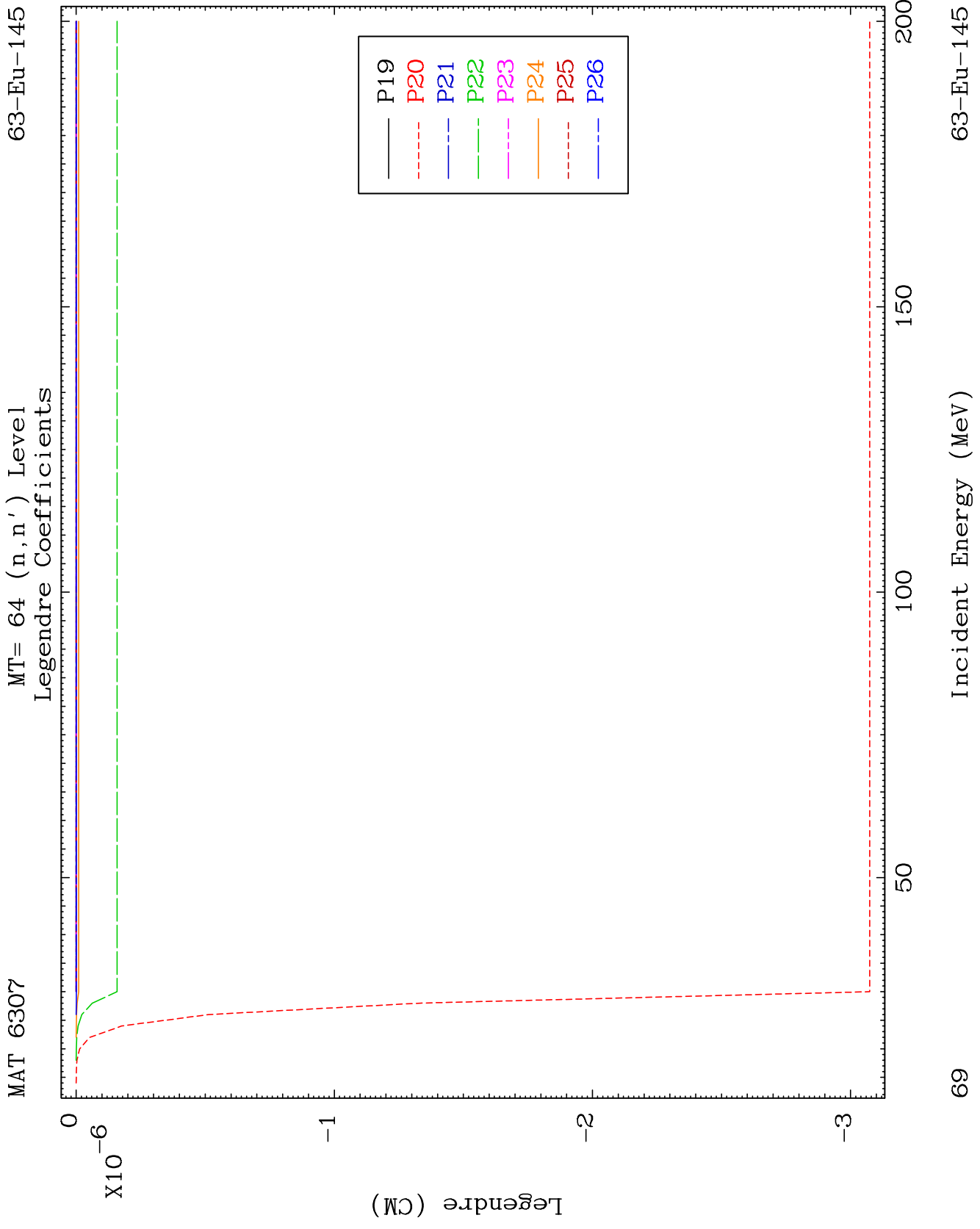
63-Eu-145

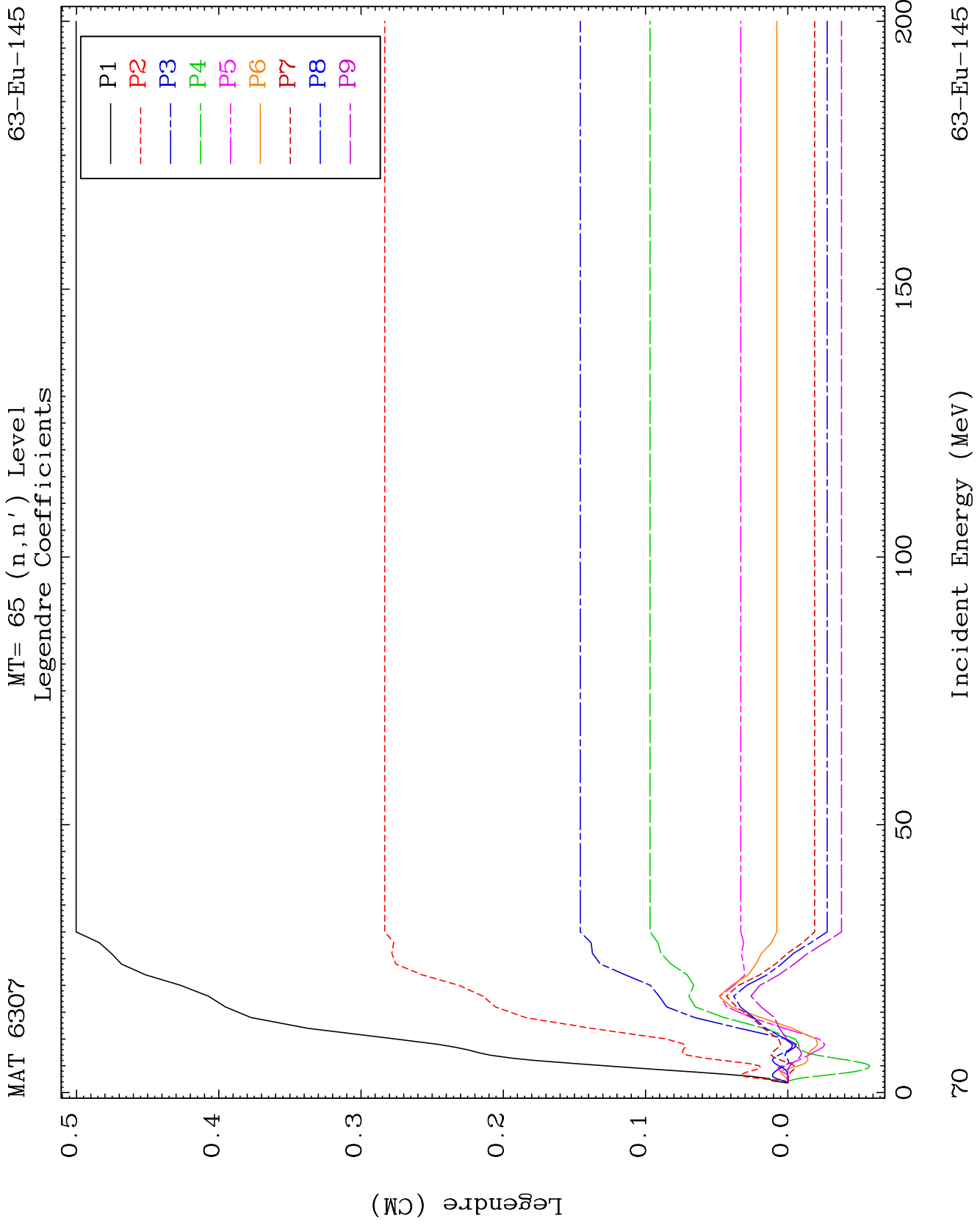


68

Incident Energy (MeV)

63-Eu-145

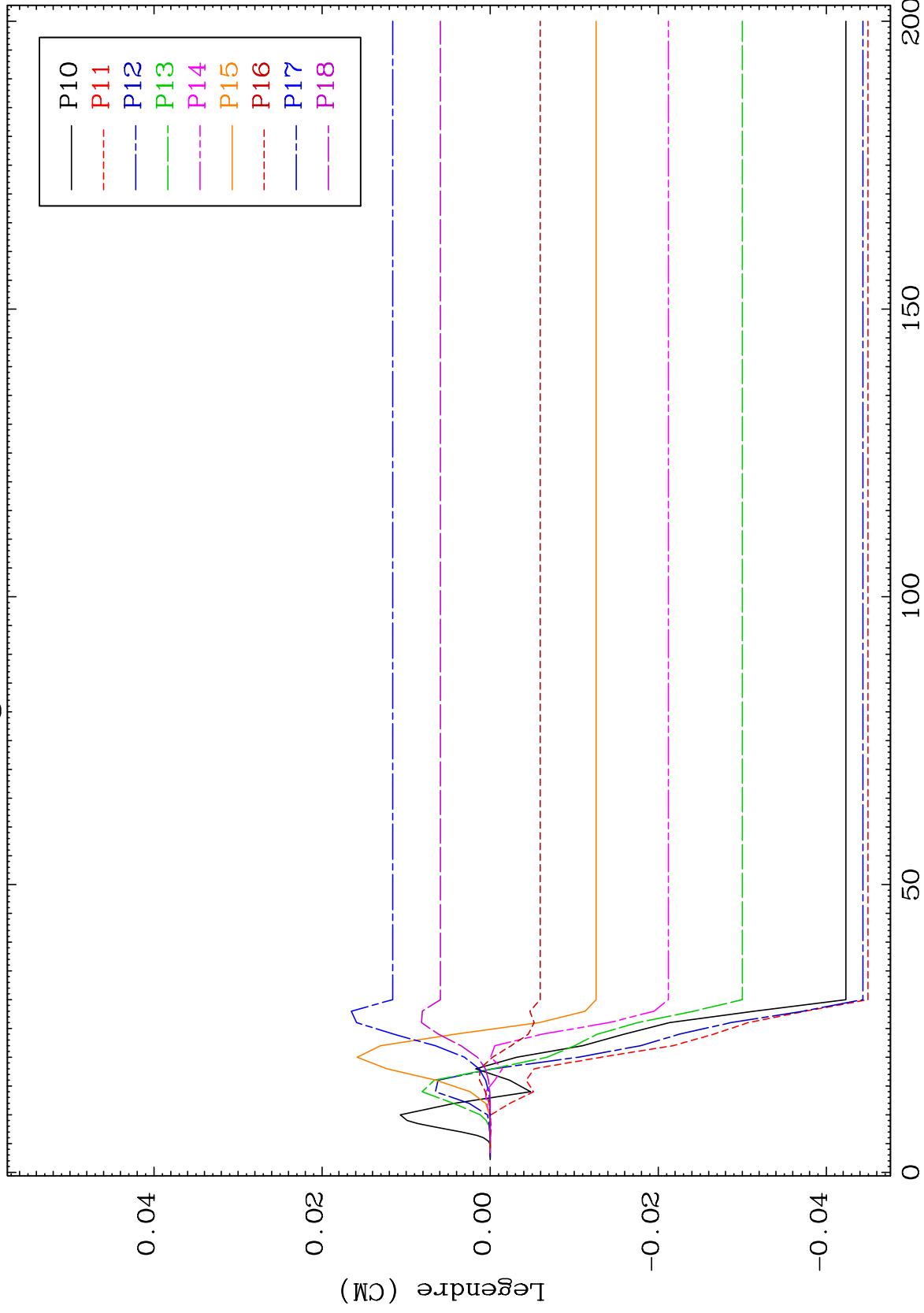




MAT 6307

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

63-Eu-145



71

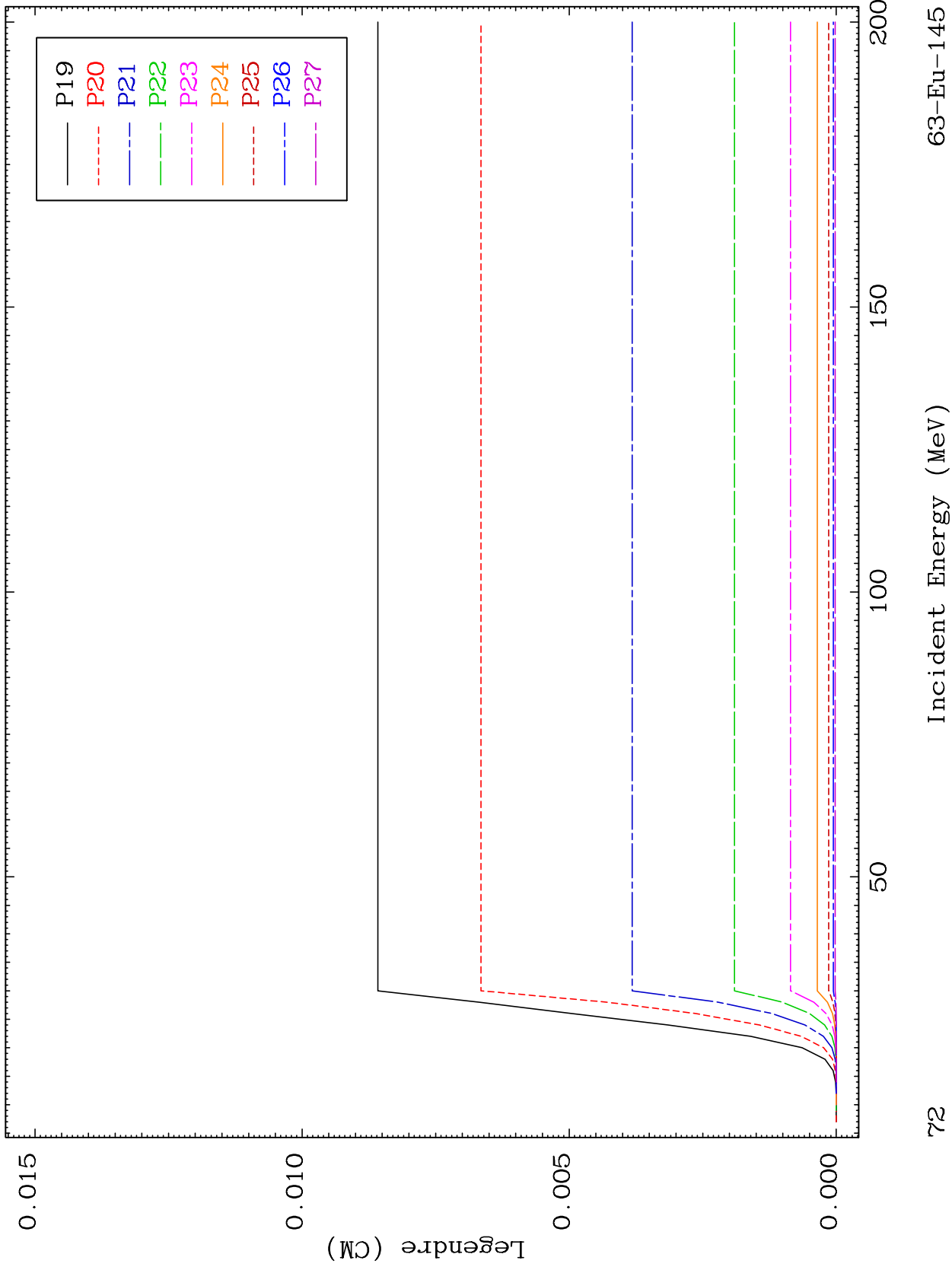
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



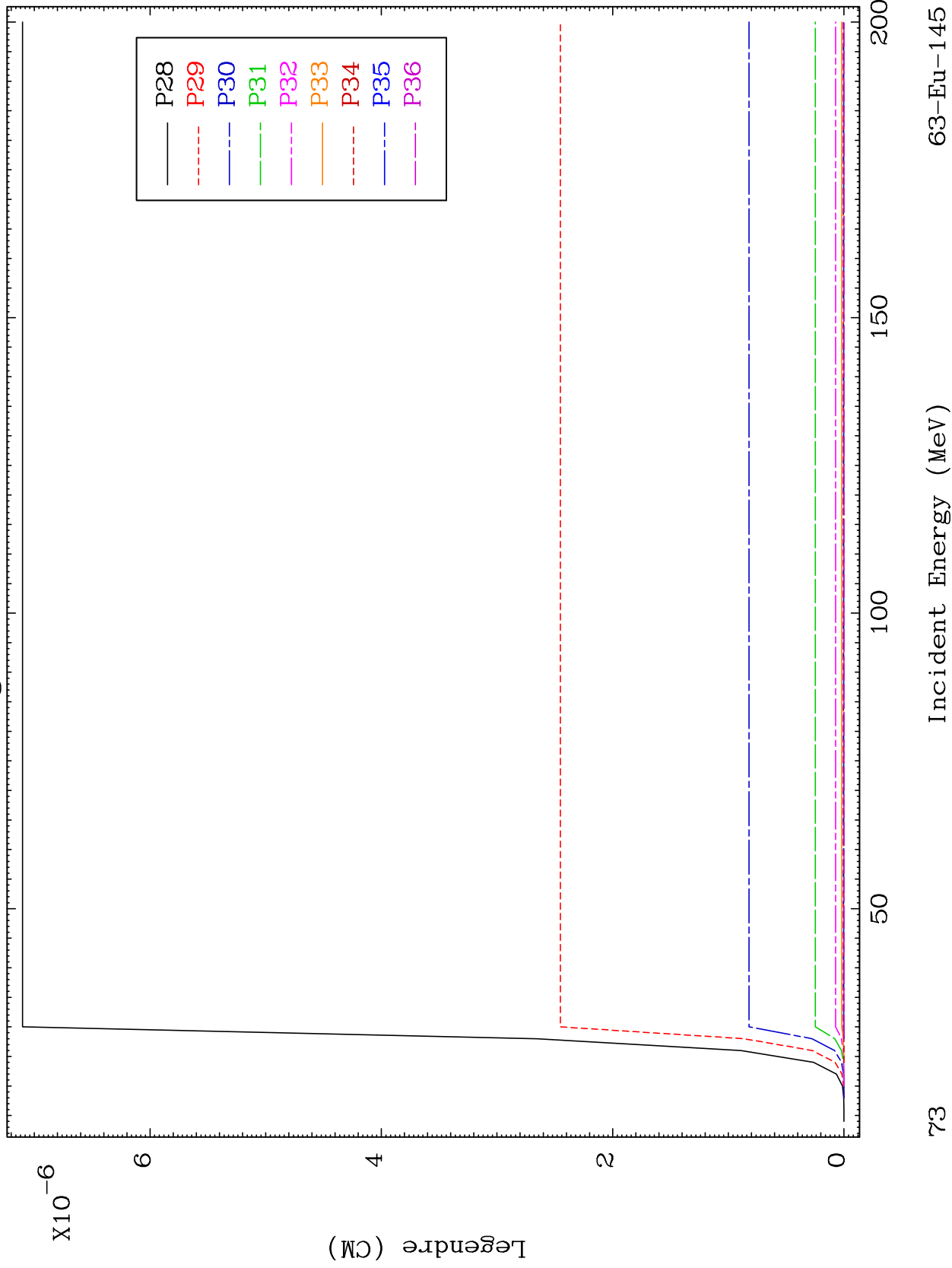
72

63-Eu-145

MAT 6307

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

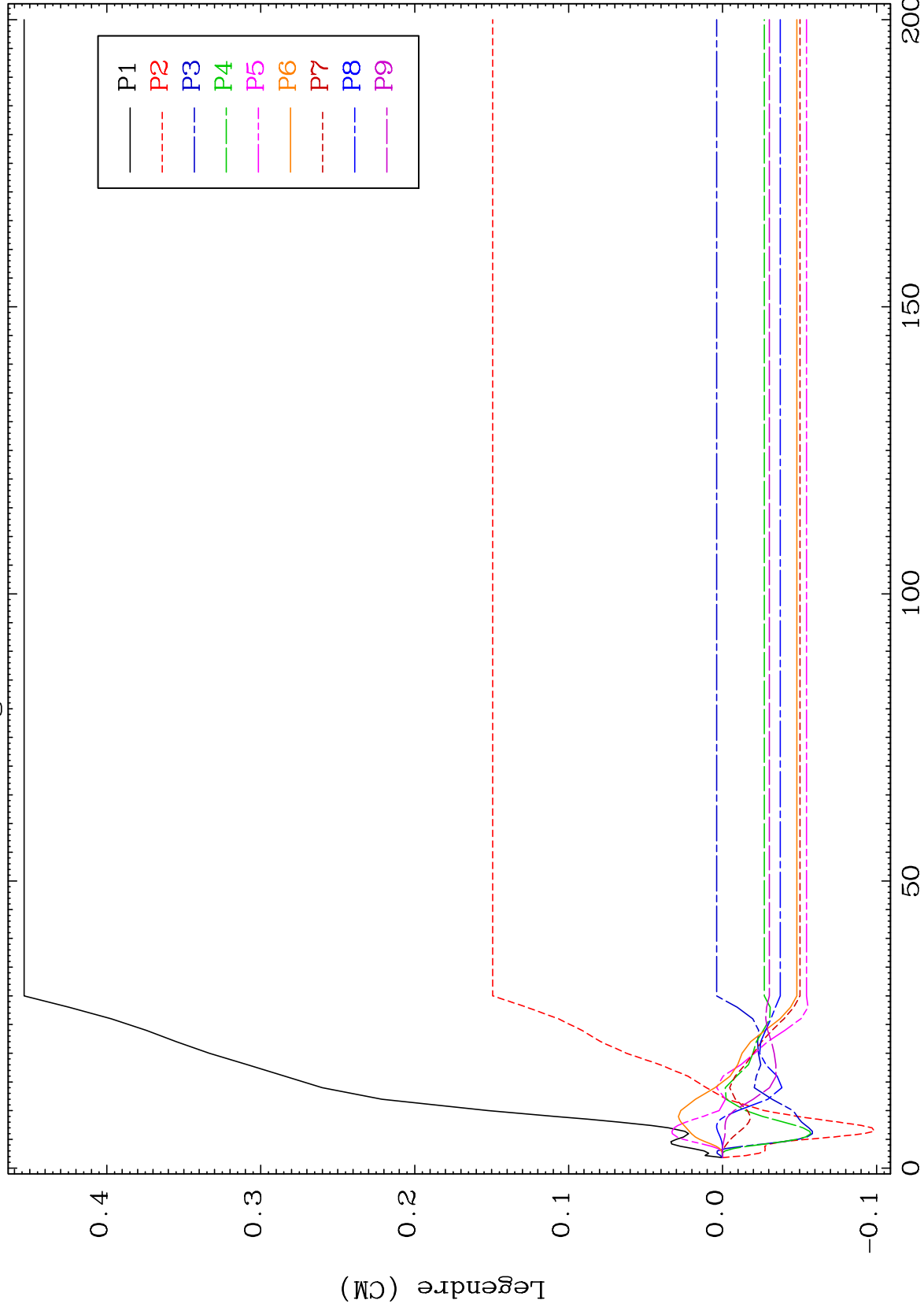
63-Eu-145



MAT 6307

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

63-Eu-145



74

Incident Energy (MeV)

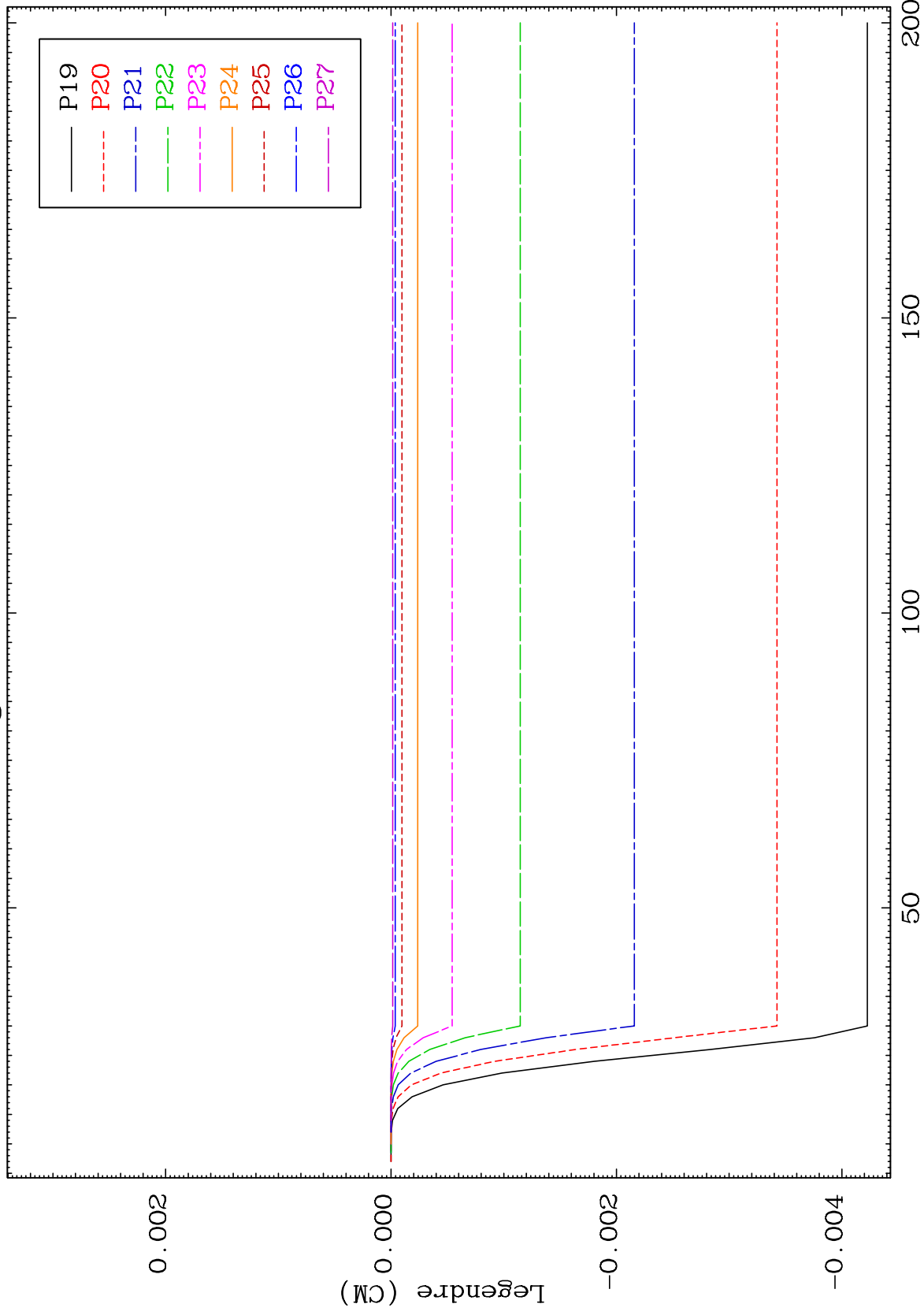
63-Eu-145



MAT 6307

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

63-Eu-145



76

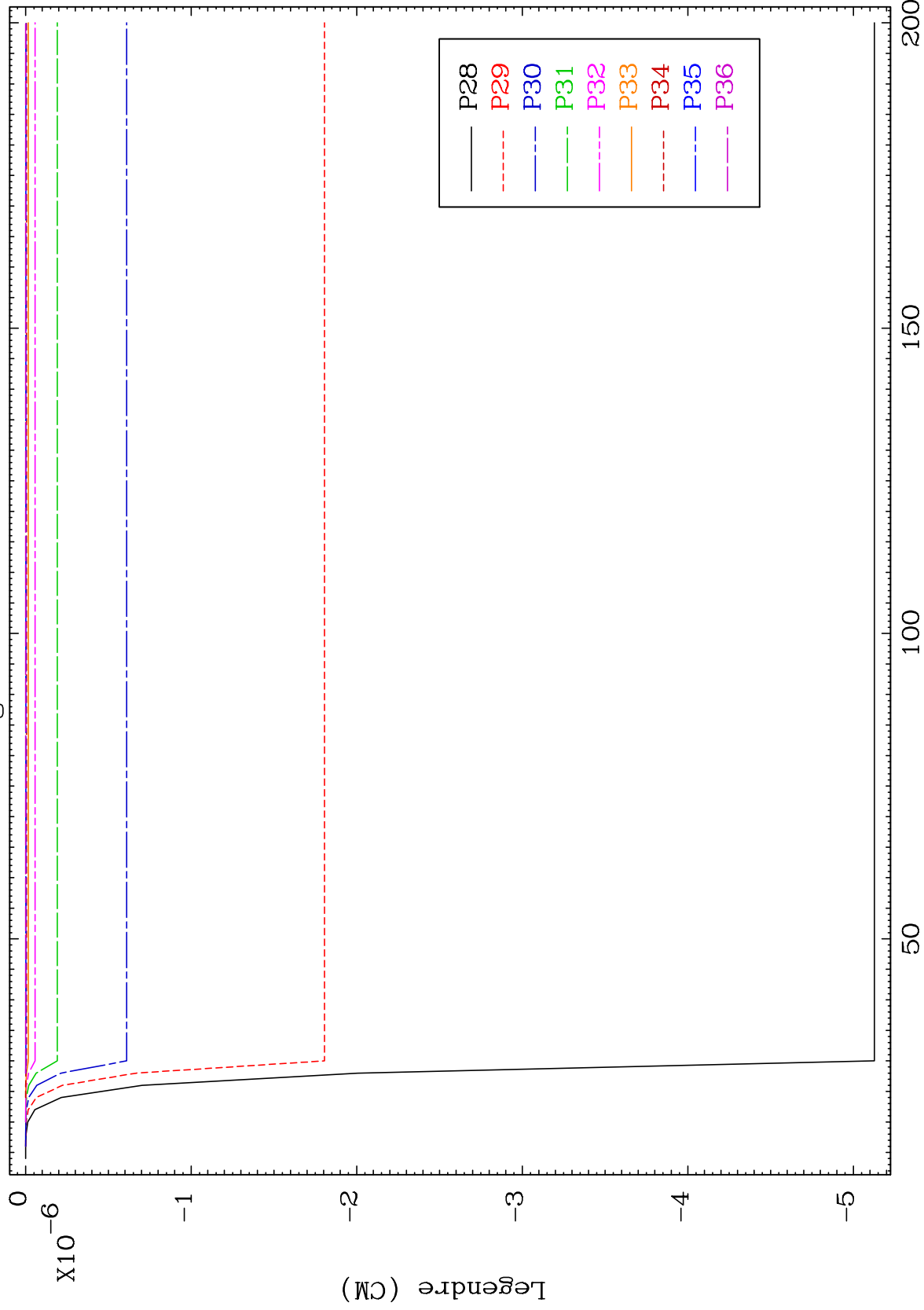
Incident Energy (MeV)

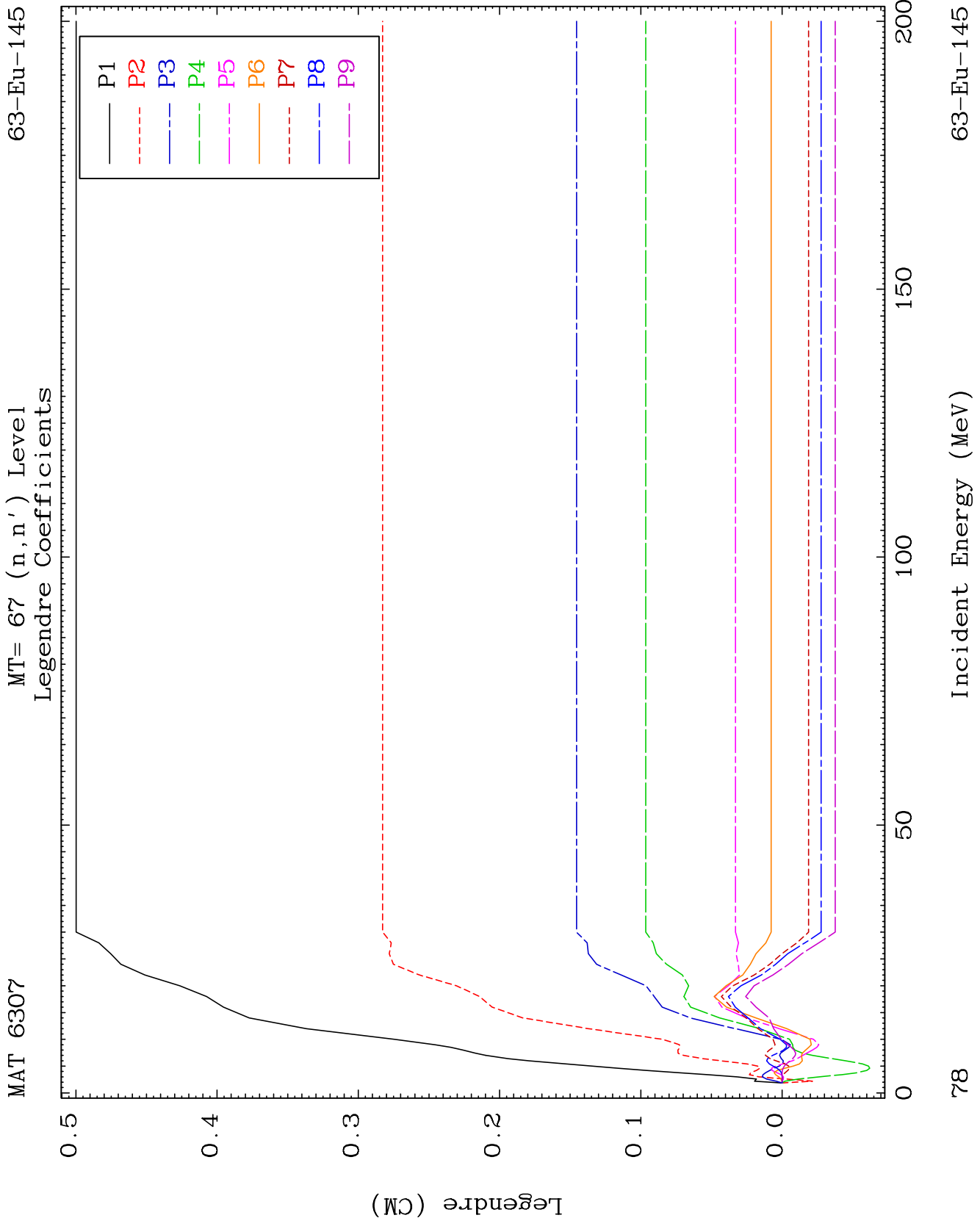
63-Eu-145

MAT 6307

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

63-Eu-145

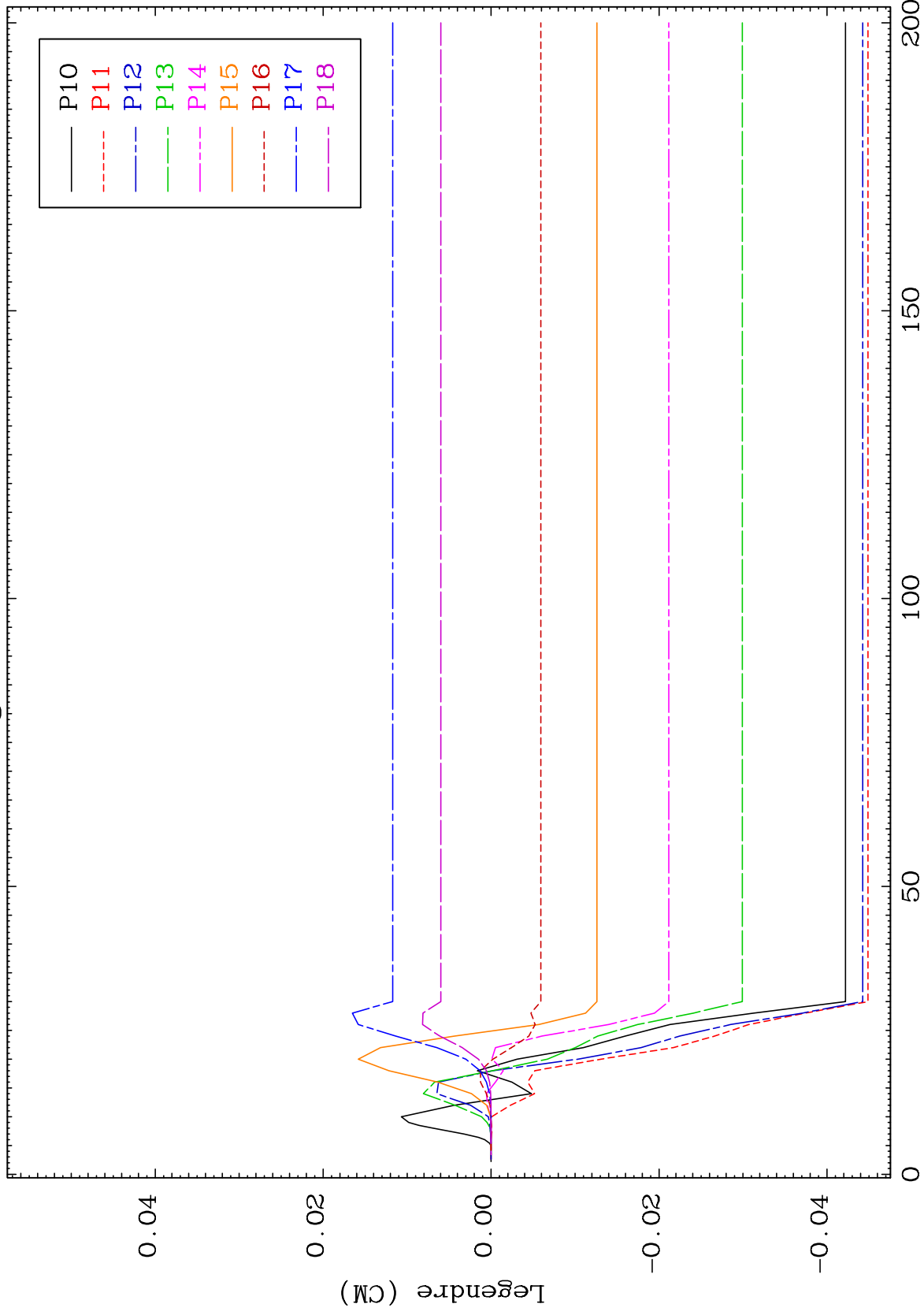




MAT 6307

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

63-Eu-145



79

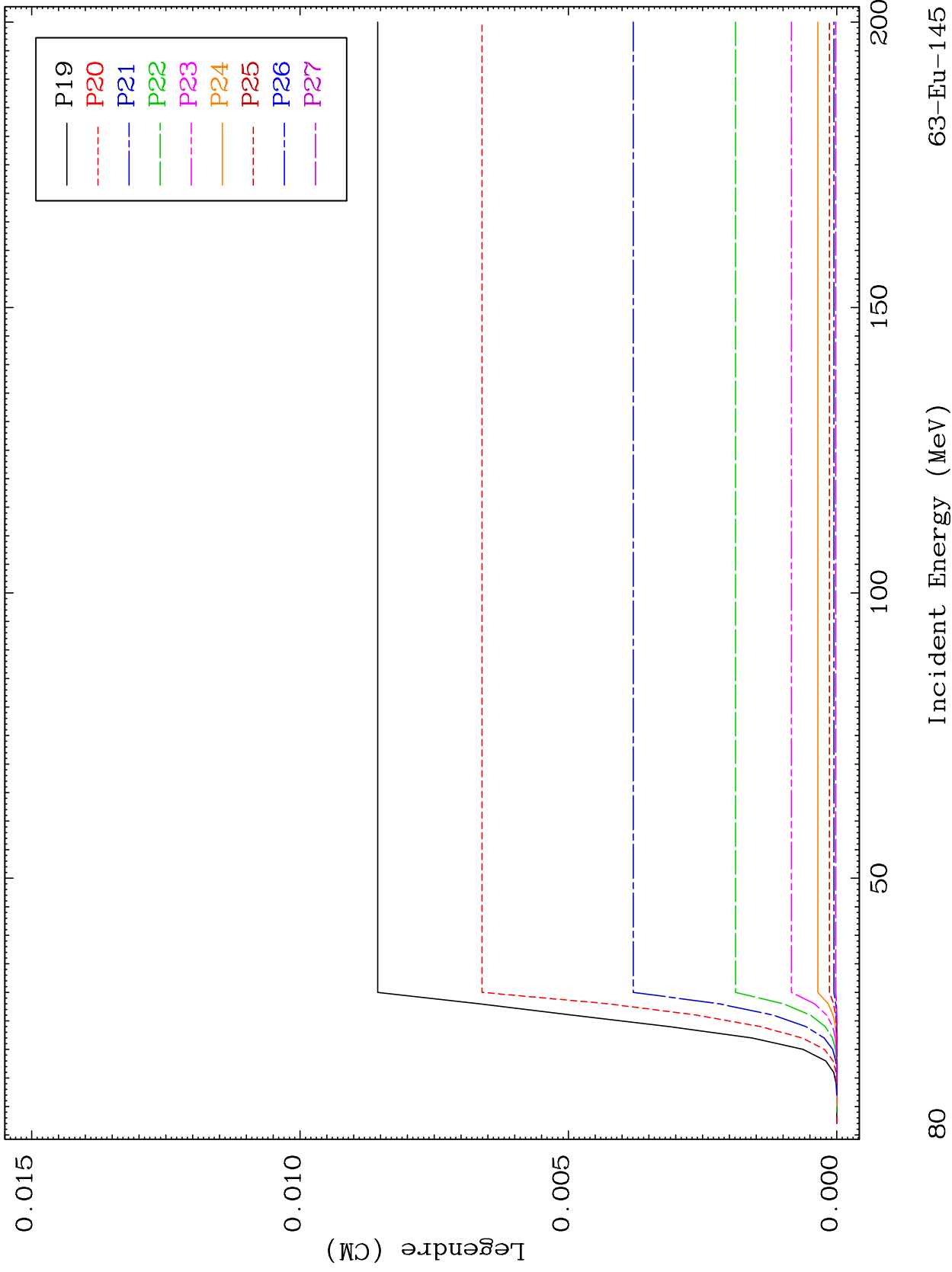
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



63-Eu-145

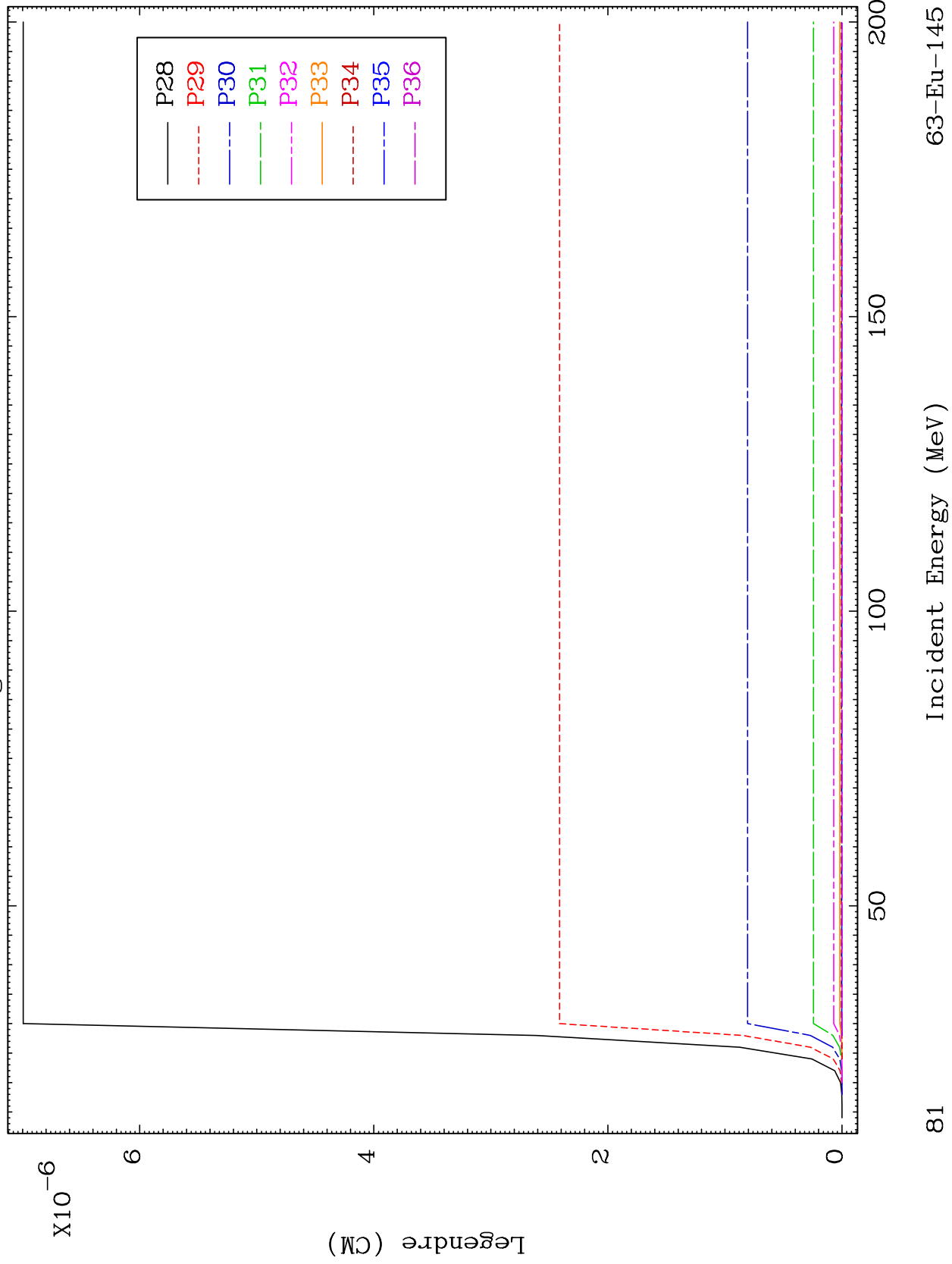
Incident Energy (MeV)

80

MAT 6307

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

63-Eu-145



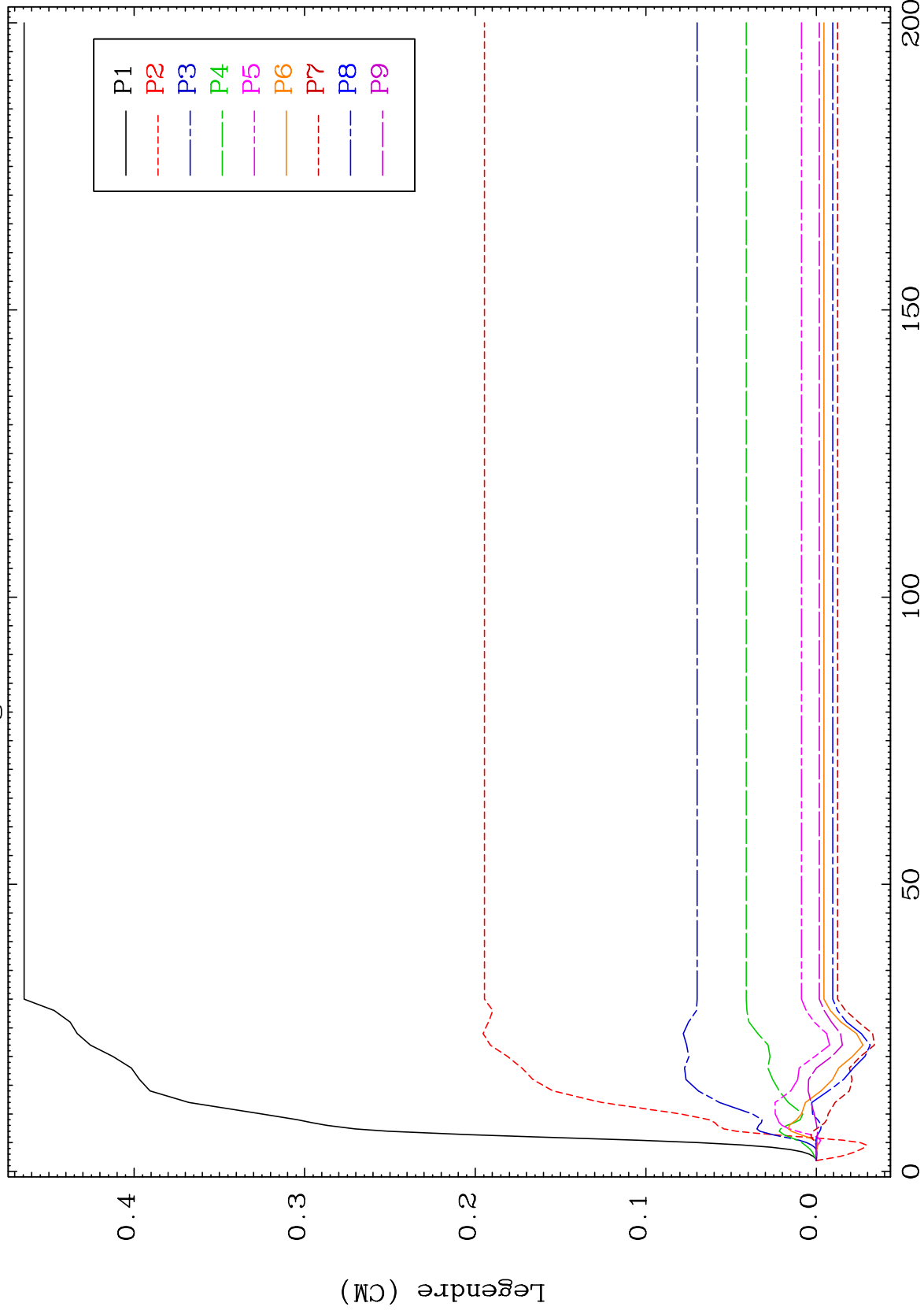
81

63-Eu-145

MAT 6307

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

63-Eu-145



63-Eu-145

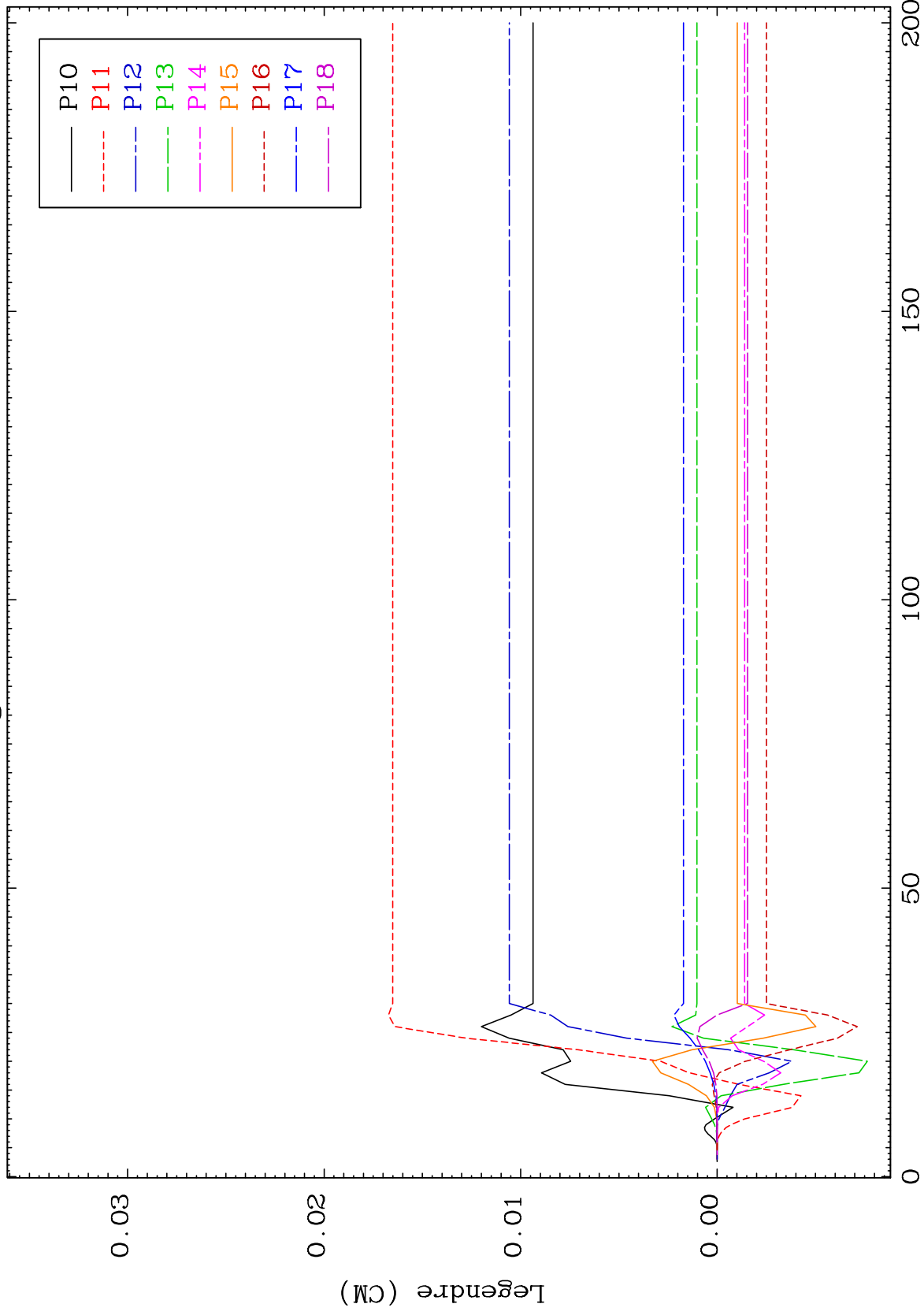
Incident Energy (MeV)

82

MAT 6307

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

63-Eu-145



83

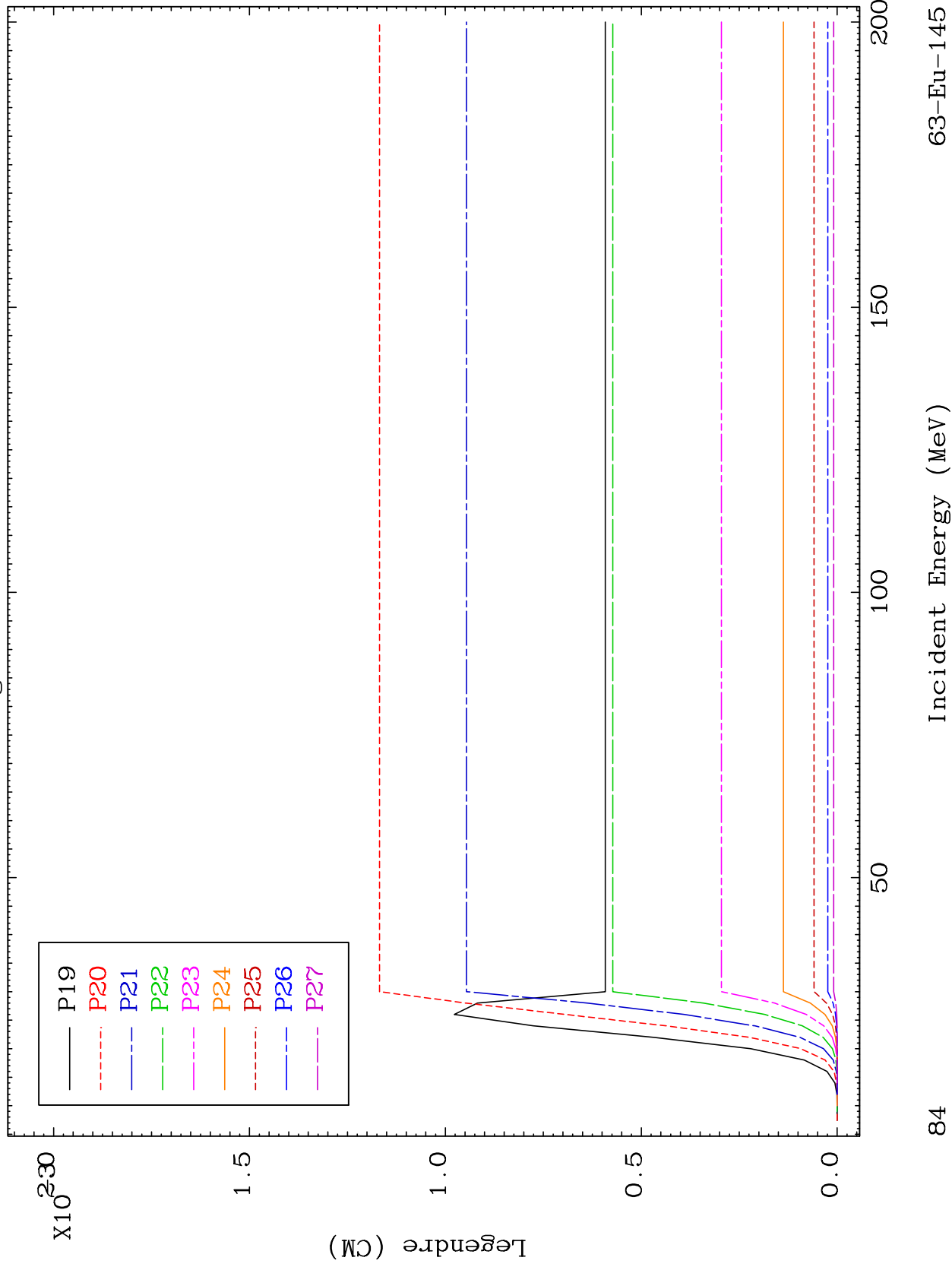
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

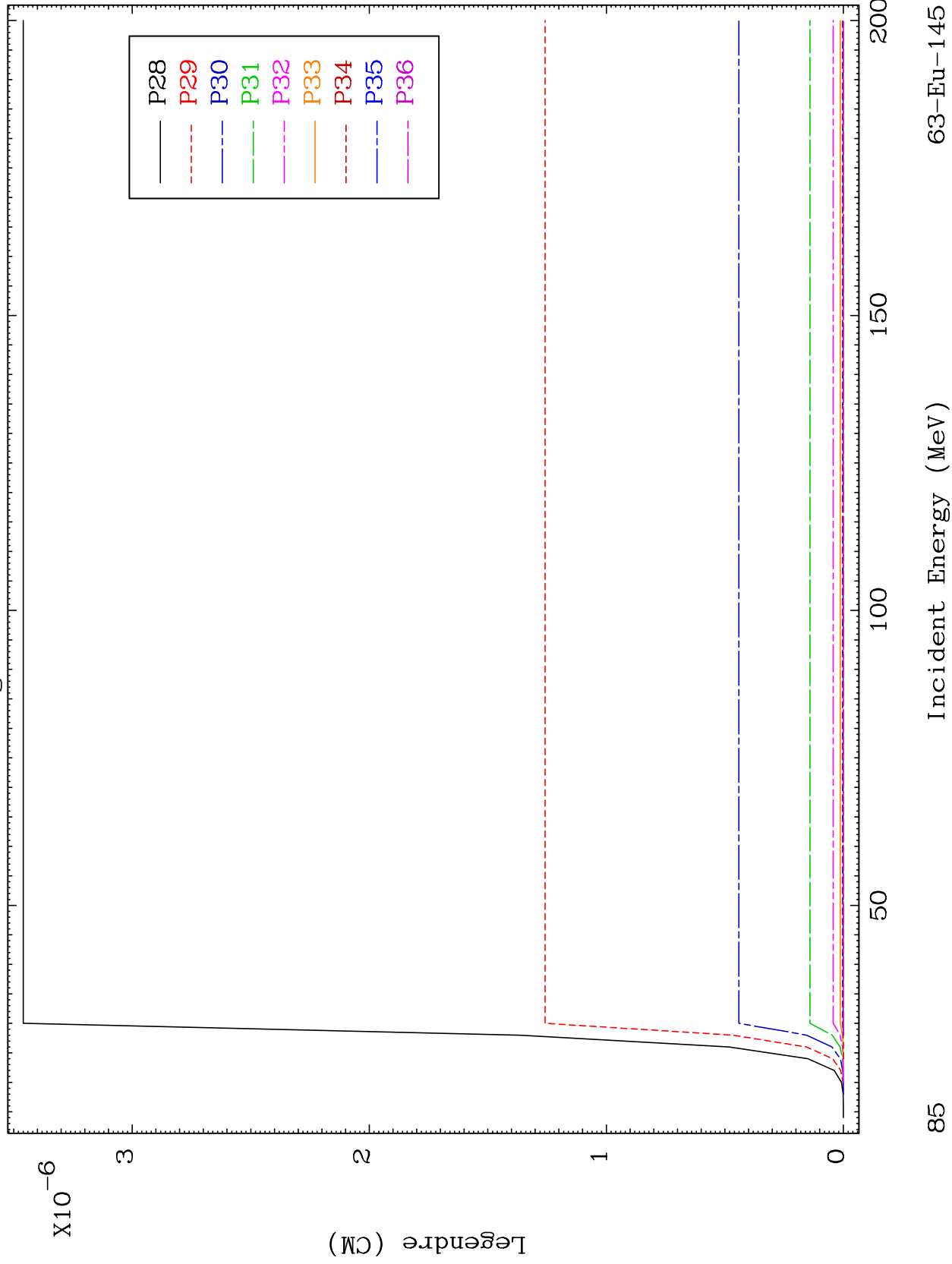
63-Eu-145



MAT 6307

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

63-Eu-145



85

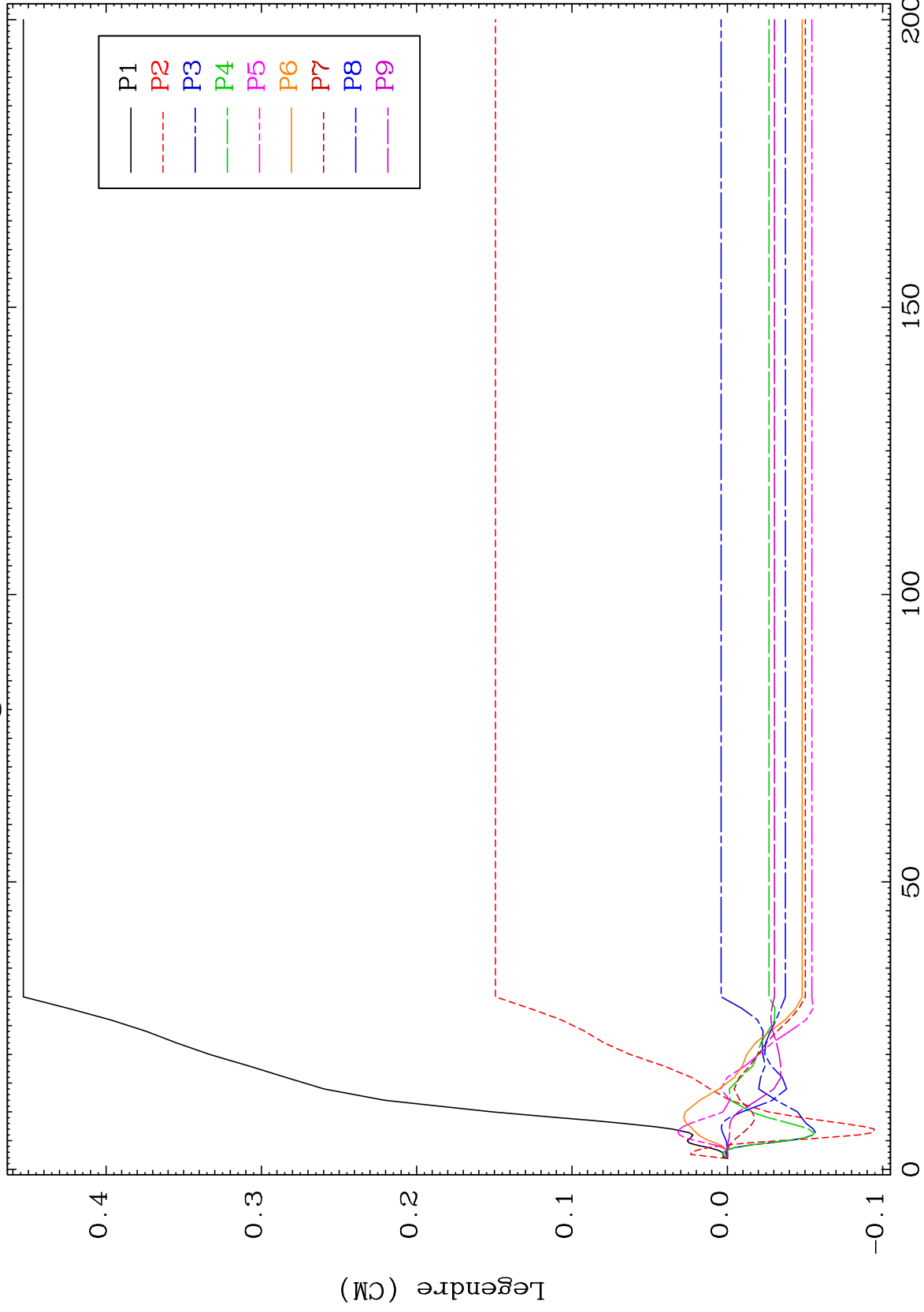
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



86

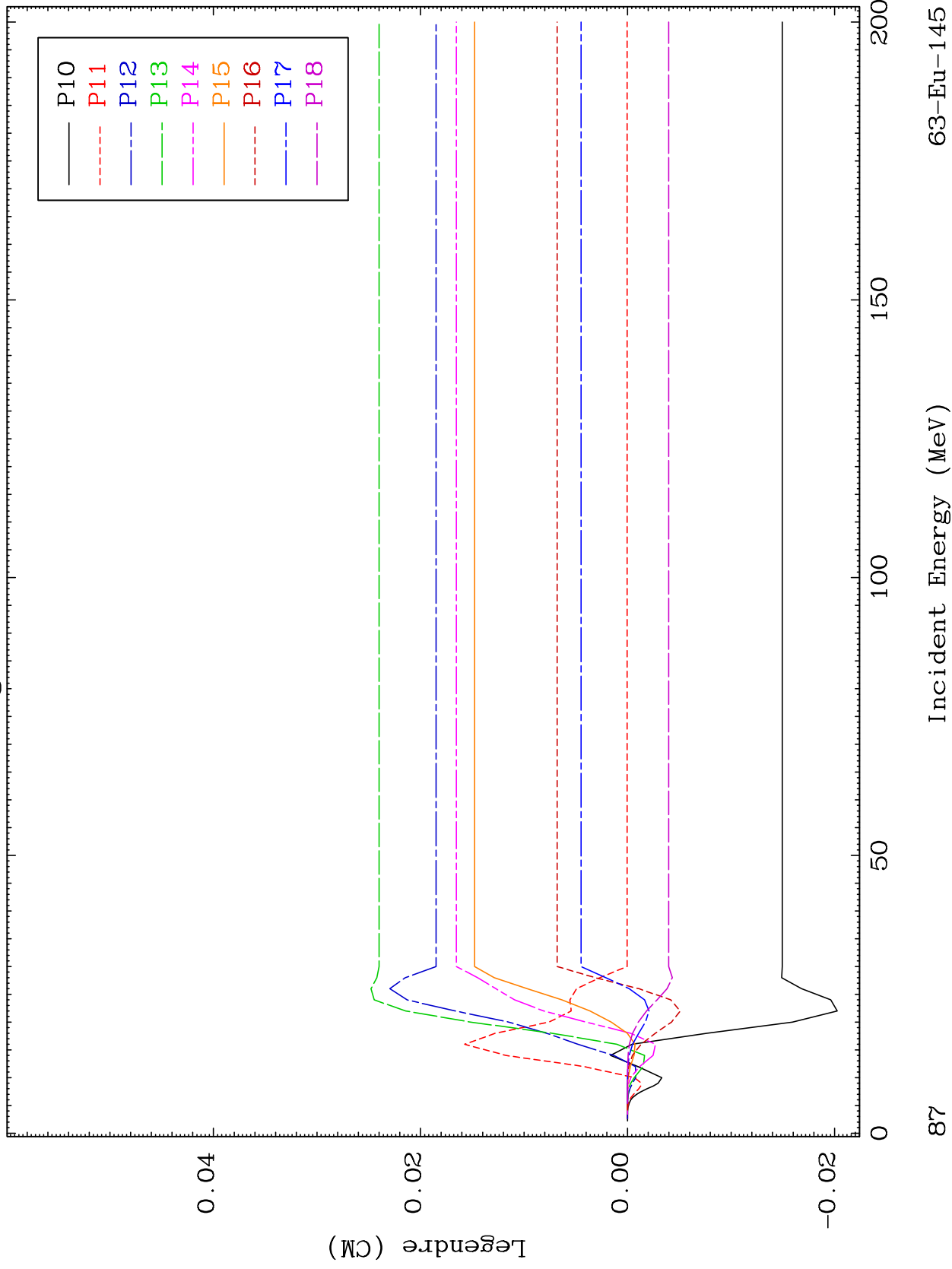
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



63-Eu-145

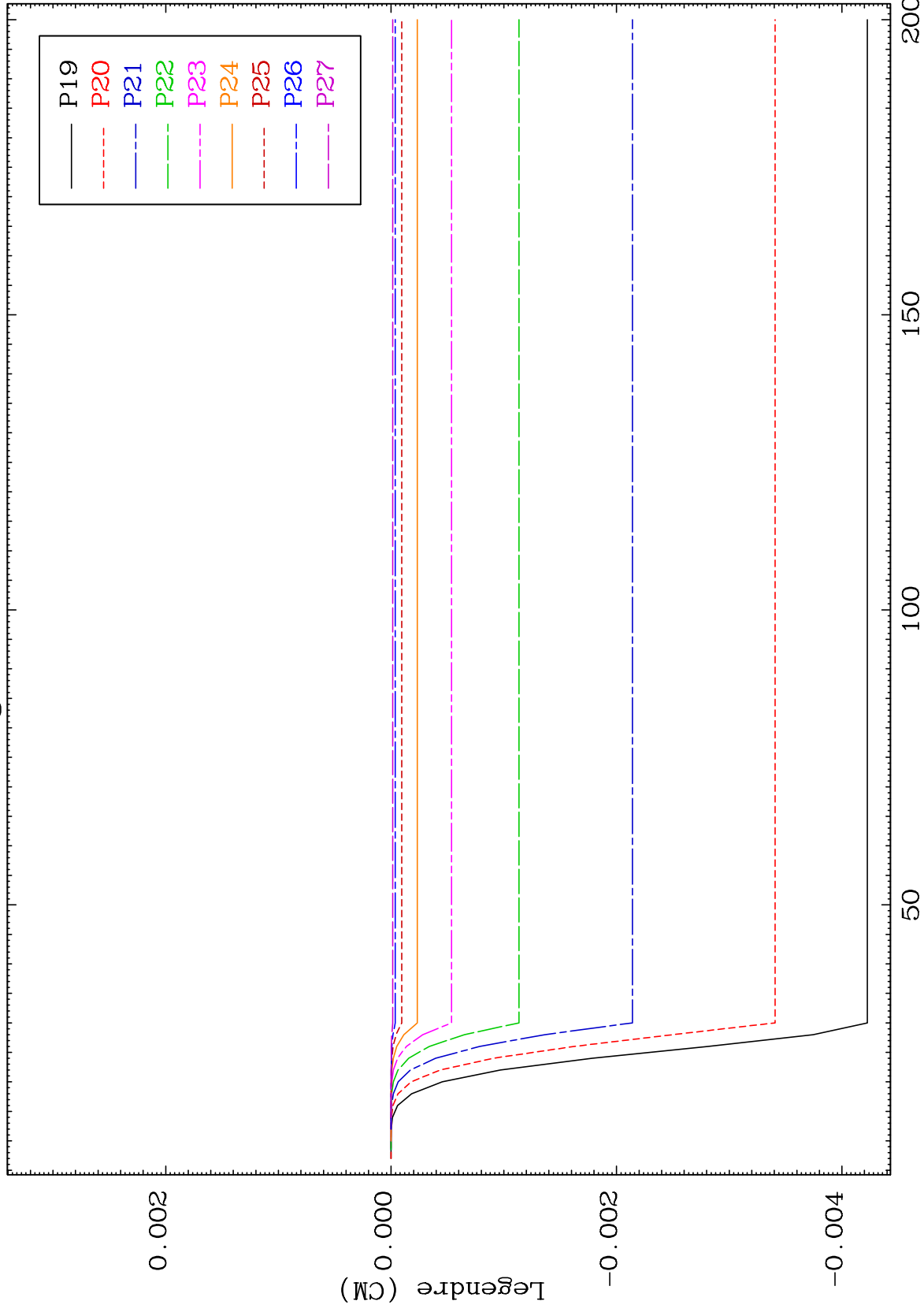
Incident Energy (MeV)

87

MAT 6307

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

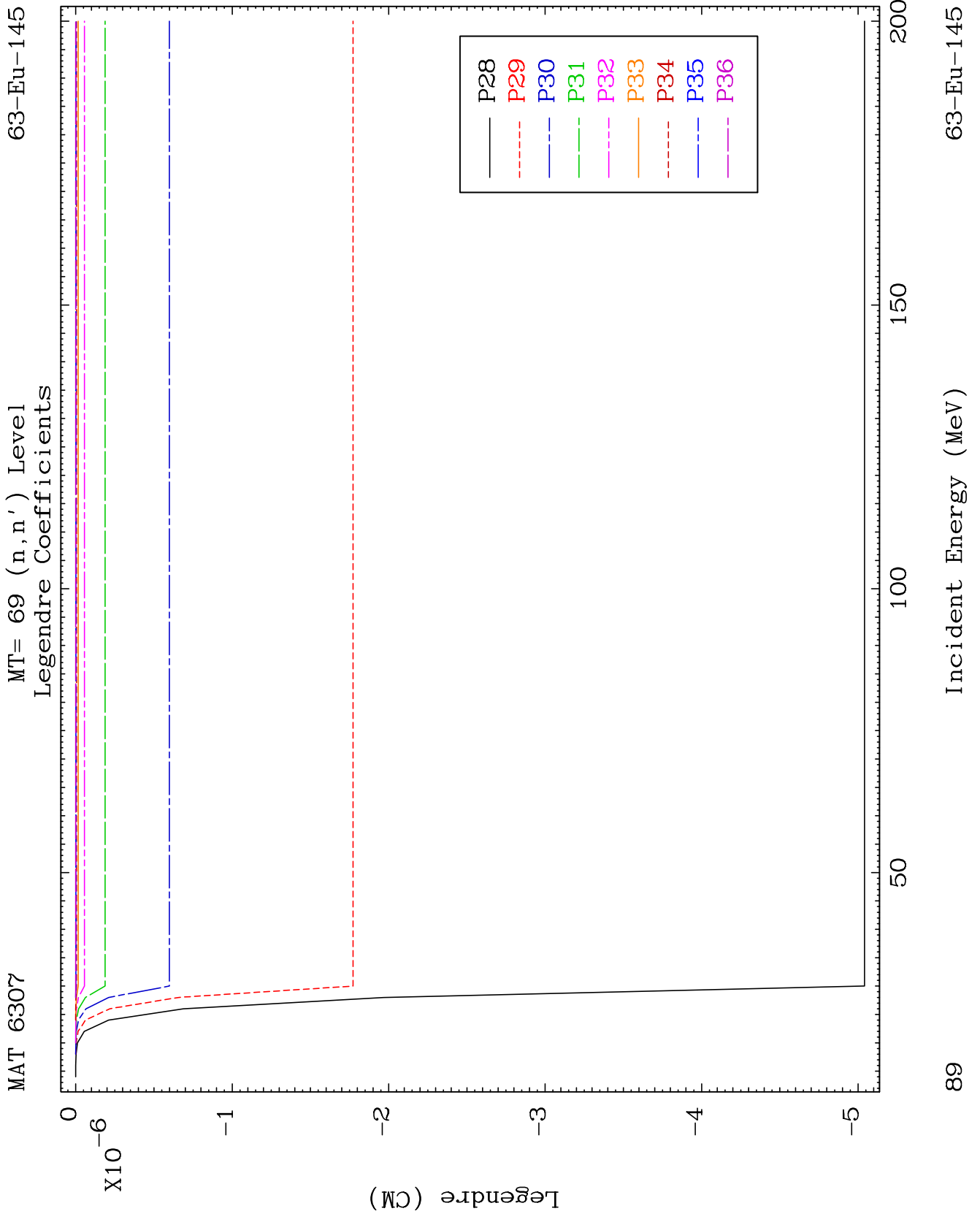
63-Eu-145



88

Incident Energy (MeV)

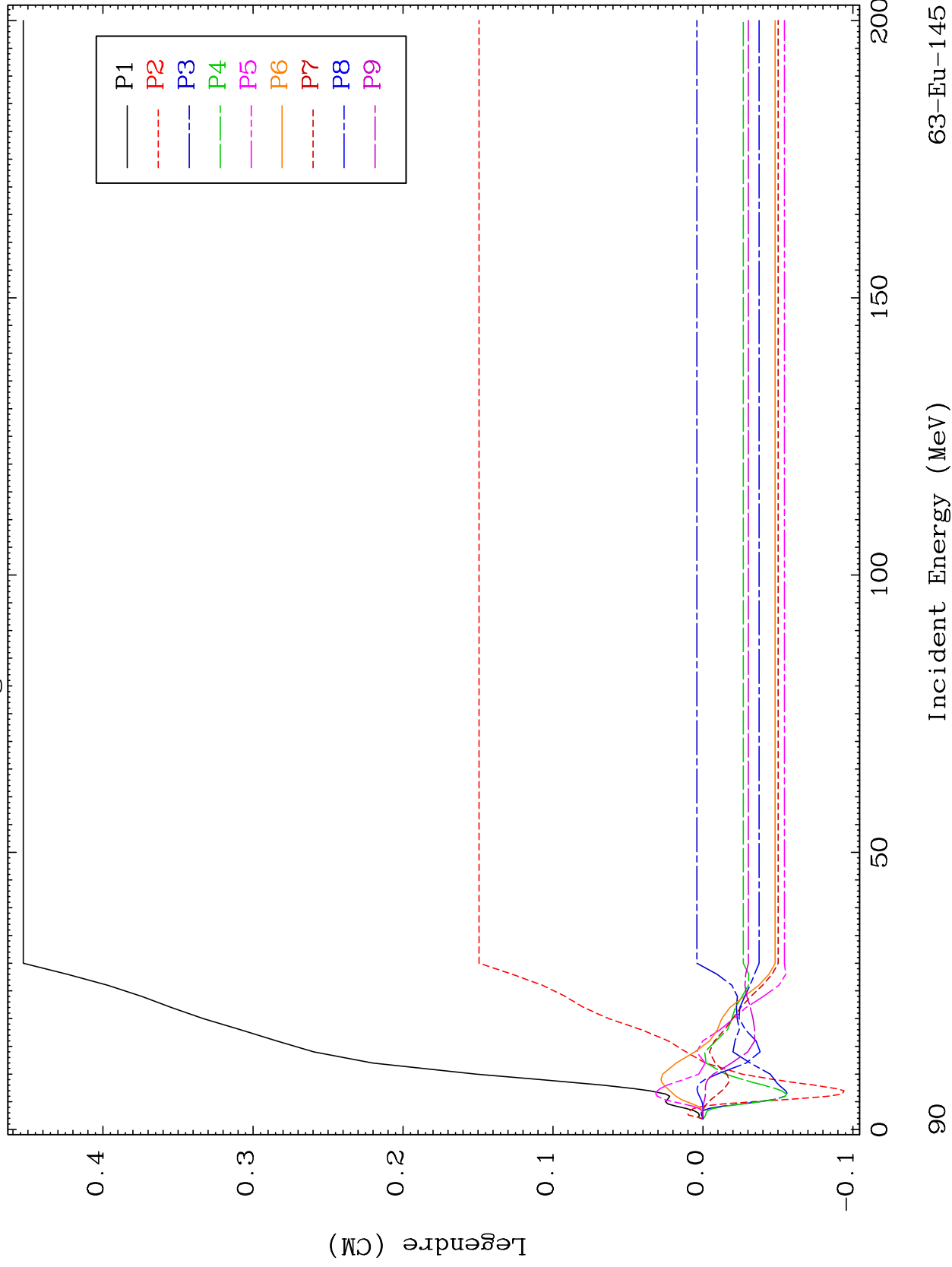
63-Eu-145



MAT 6307

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

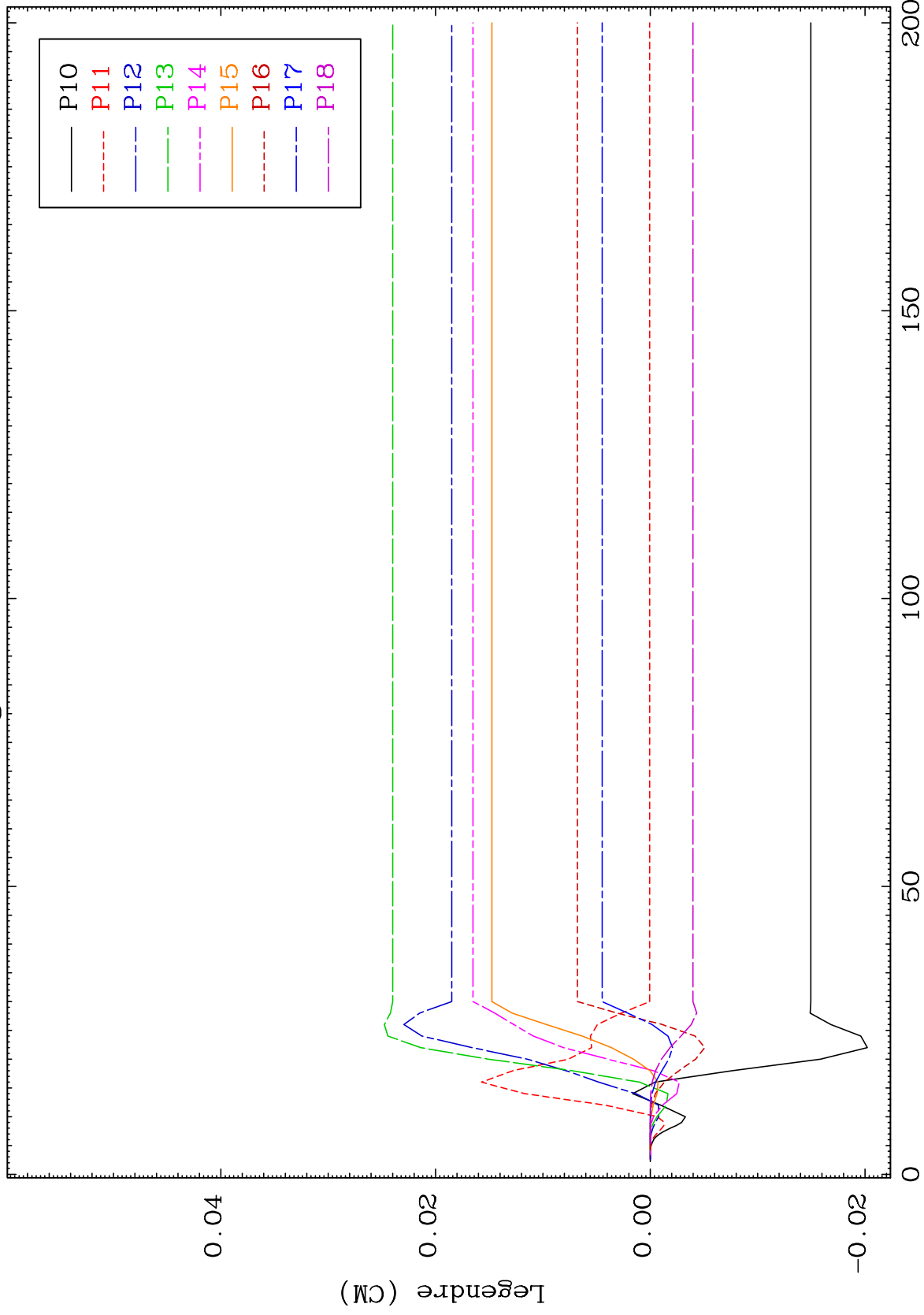
63-Eu-145



MAT 6307

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

63-Eu-145



91

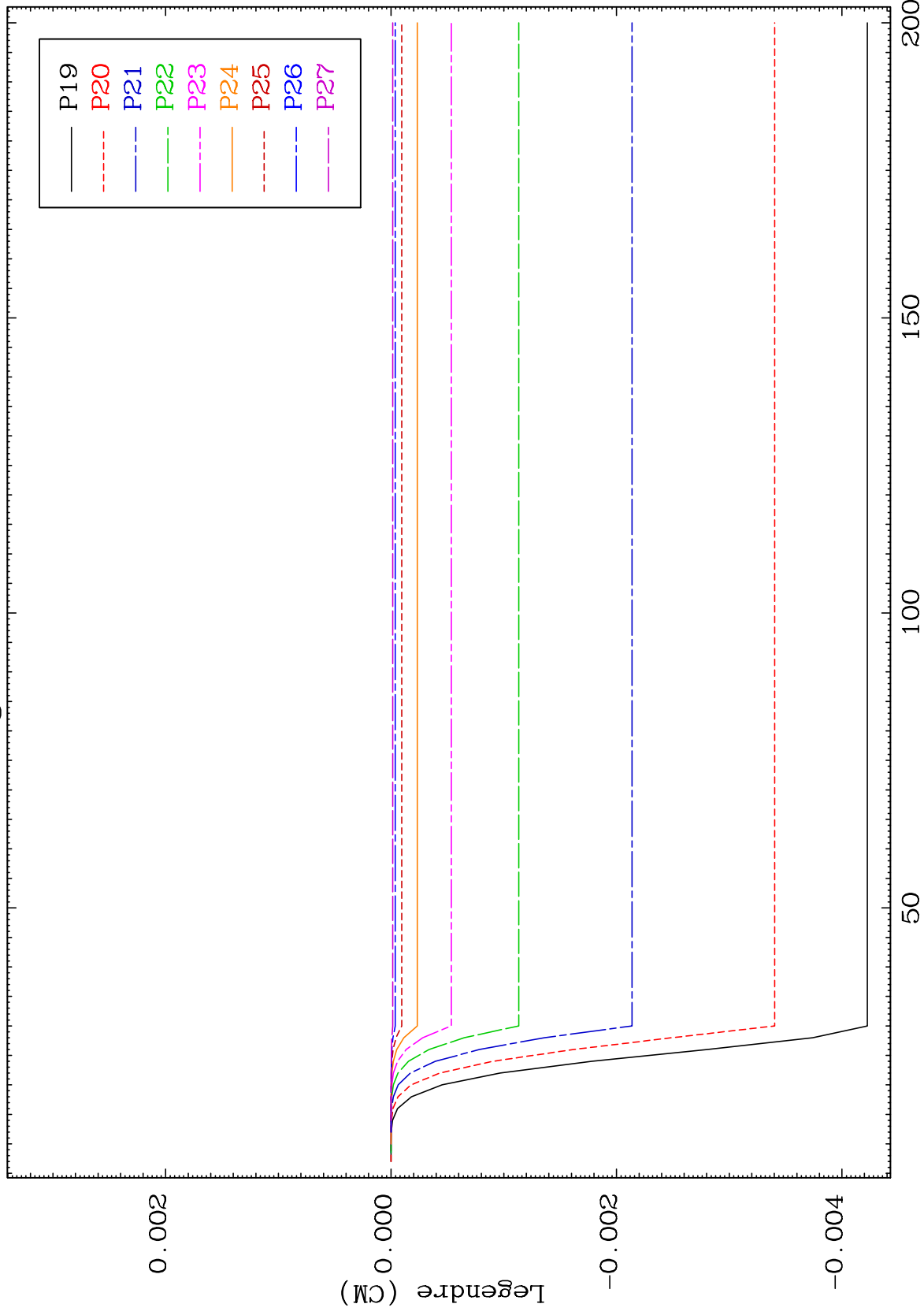
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



92

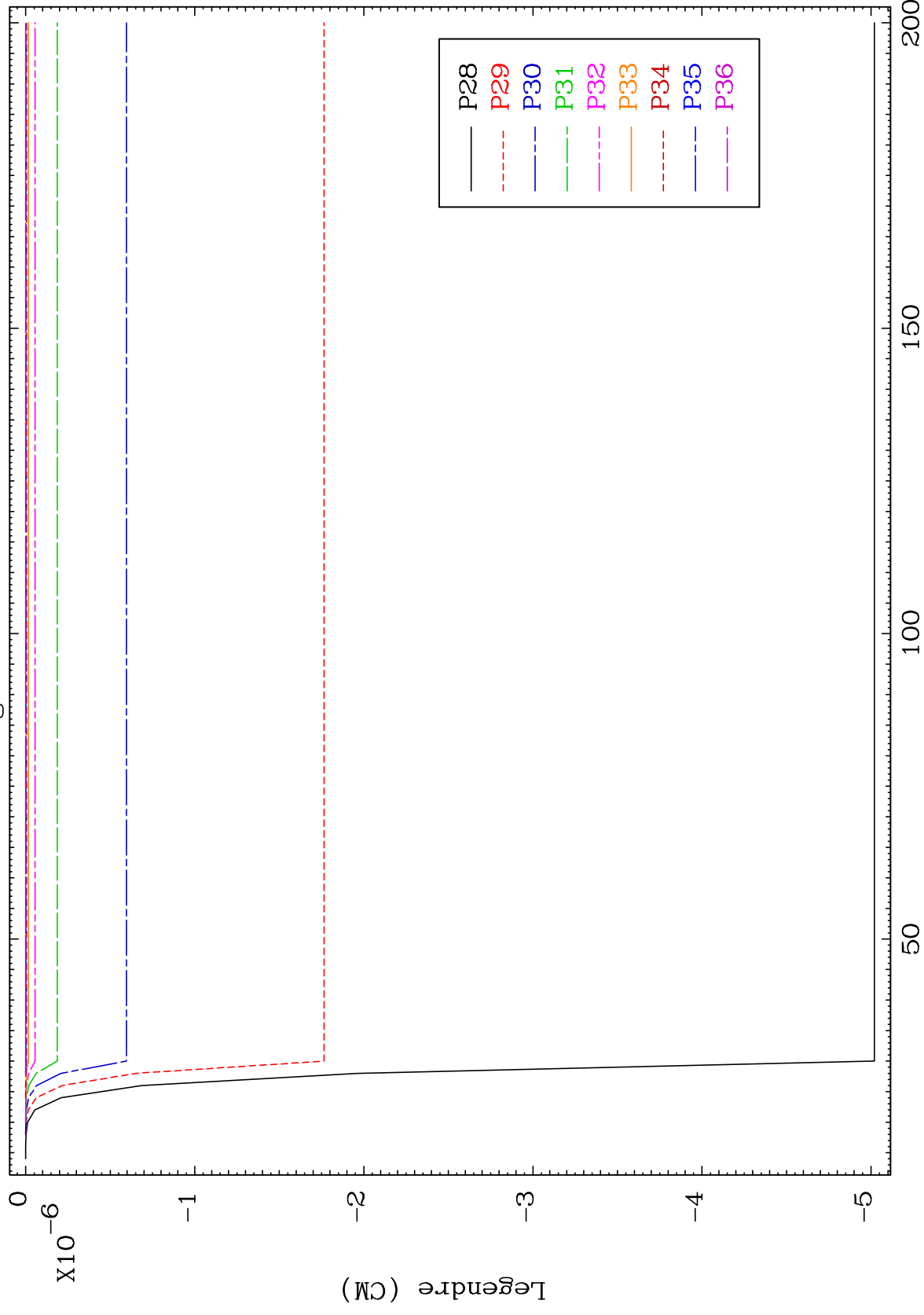
Incident Energy (MeV)

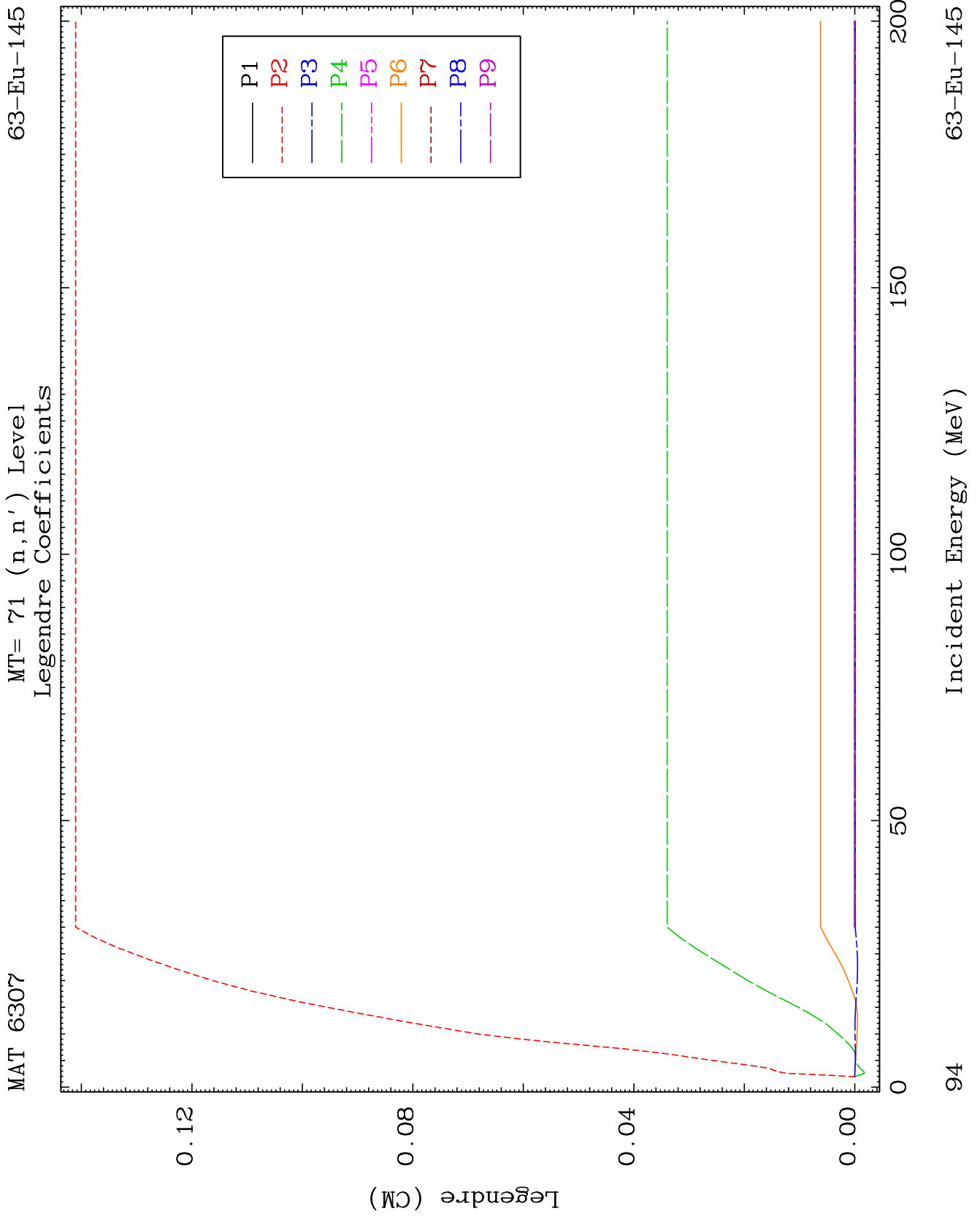
63-Eu-145

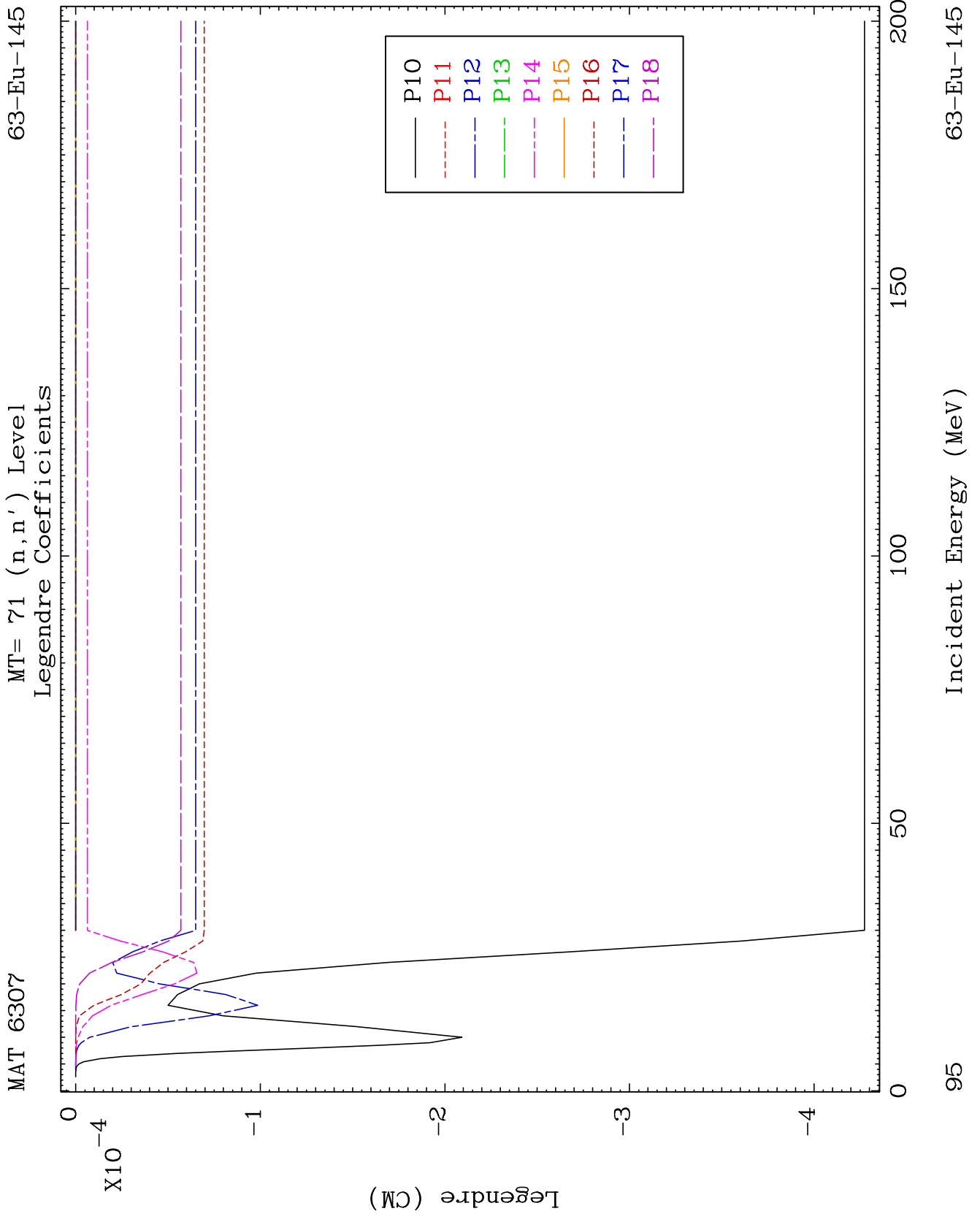
MAT 6307

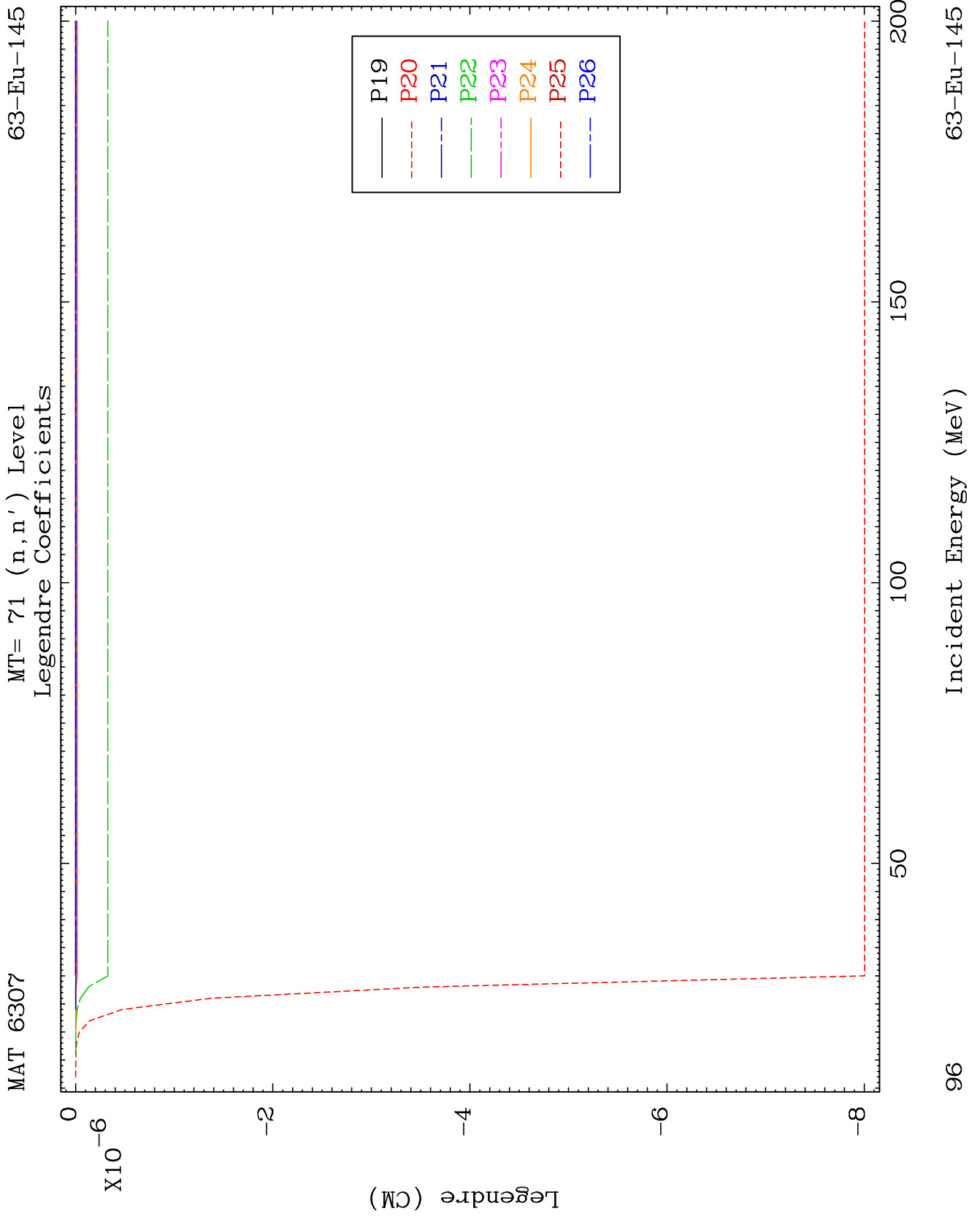
MT= 70 (n,n') Level  
Legendre Coefficients

63-Eu-145







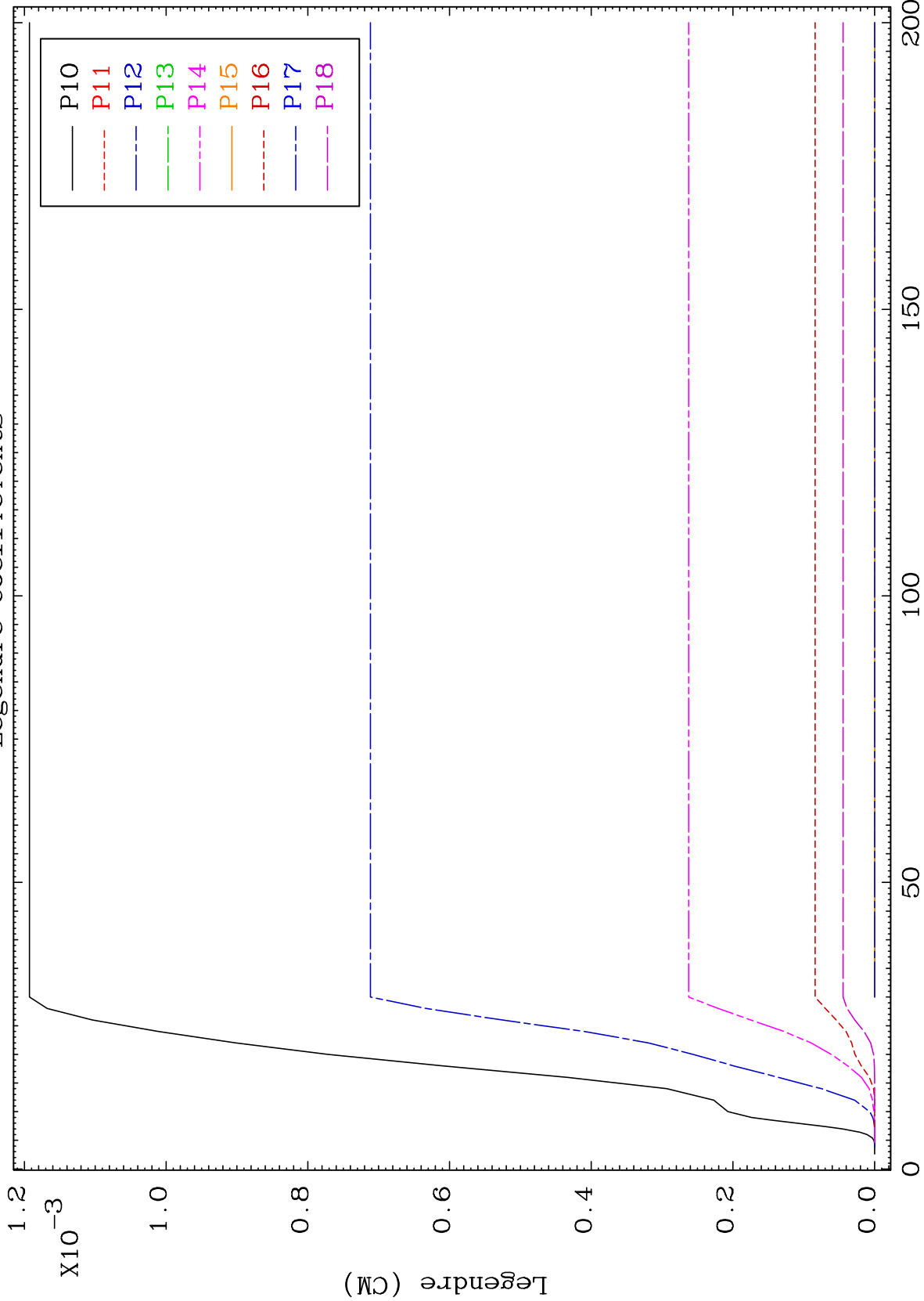




MAT 6307

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

63-Eu-145



98

Incident Energy (MeV)

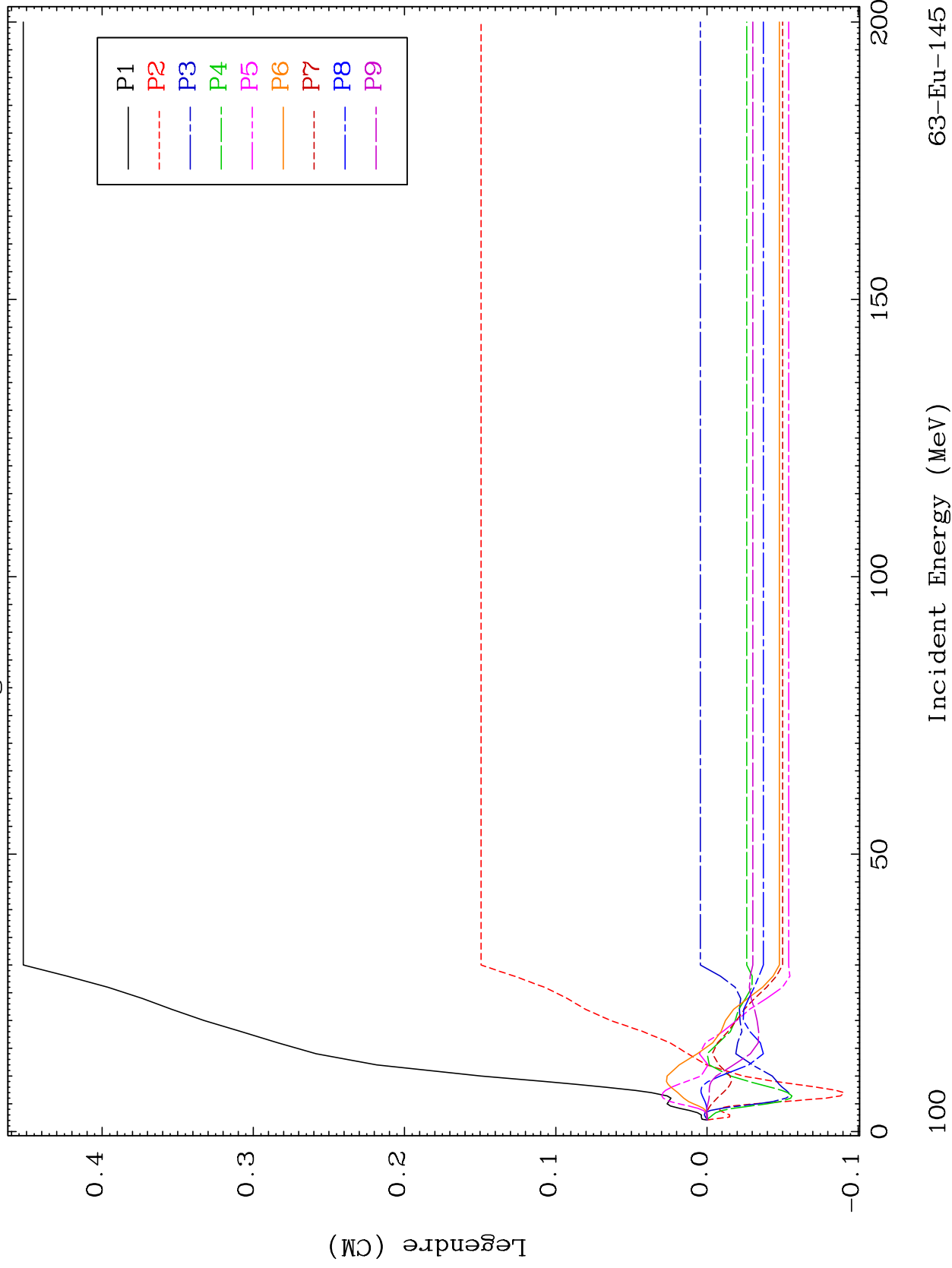
63-Eu-145



MAT 6307

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

63-Eu-145

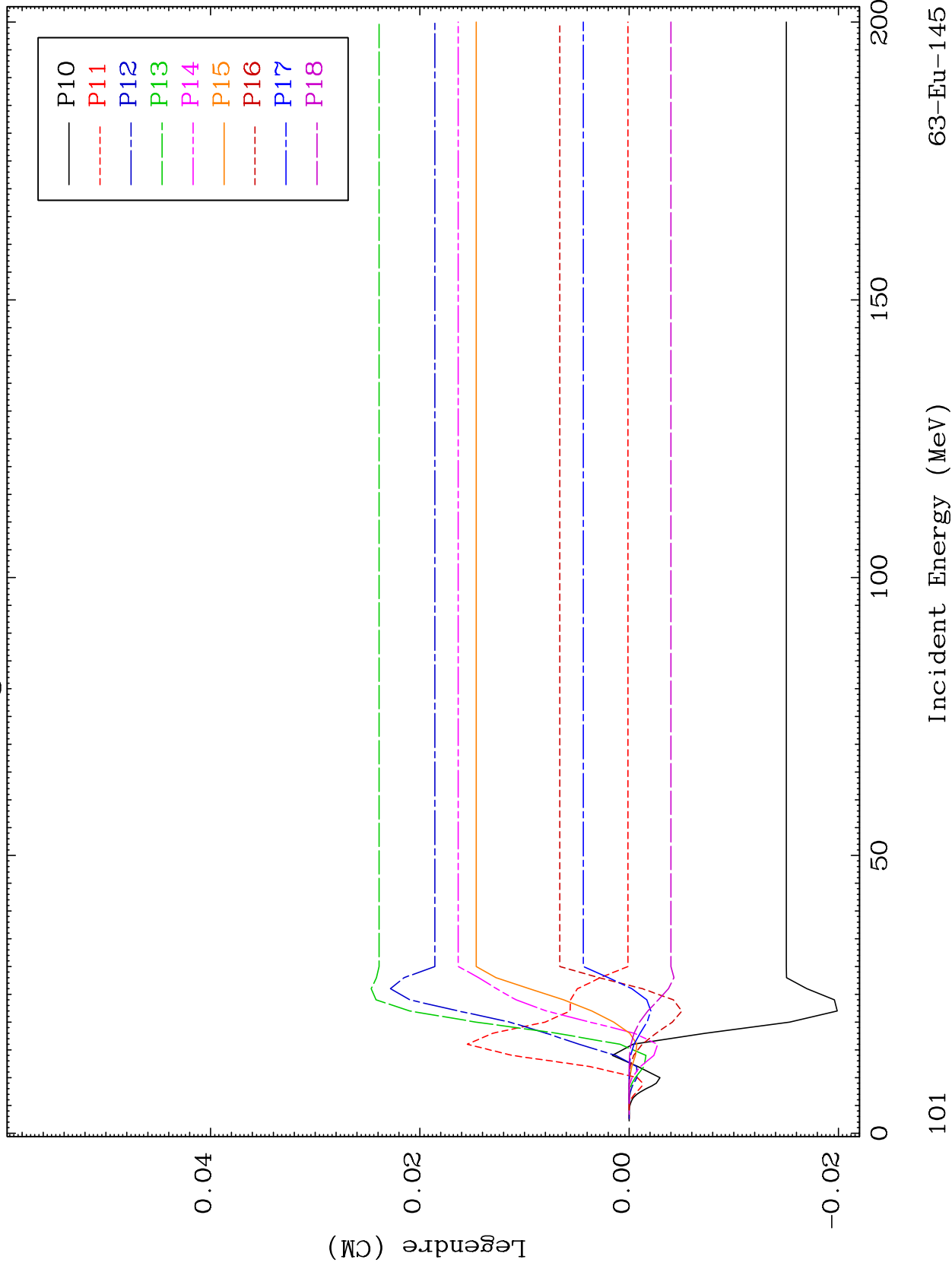


63-Eu-145

MAT 6307

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

63-Eu-145



101

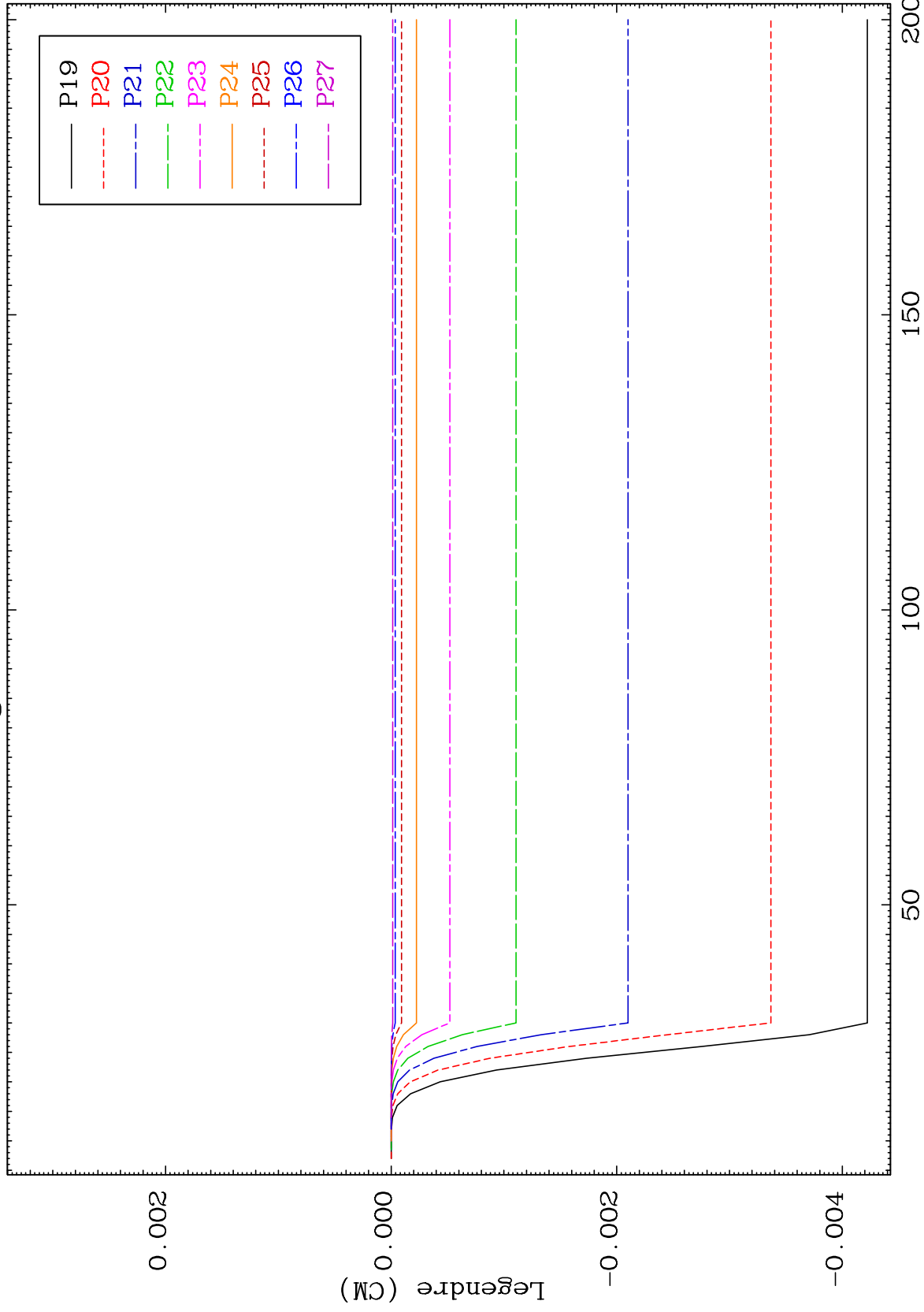
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

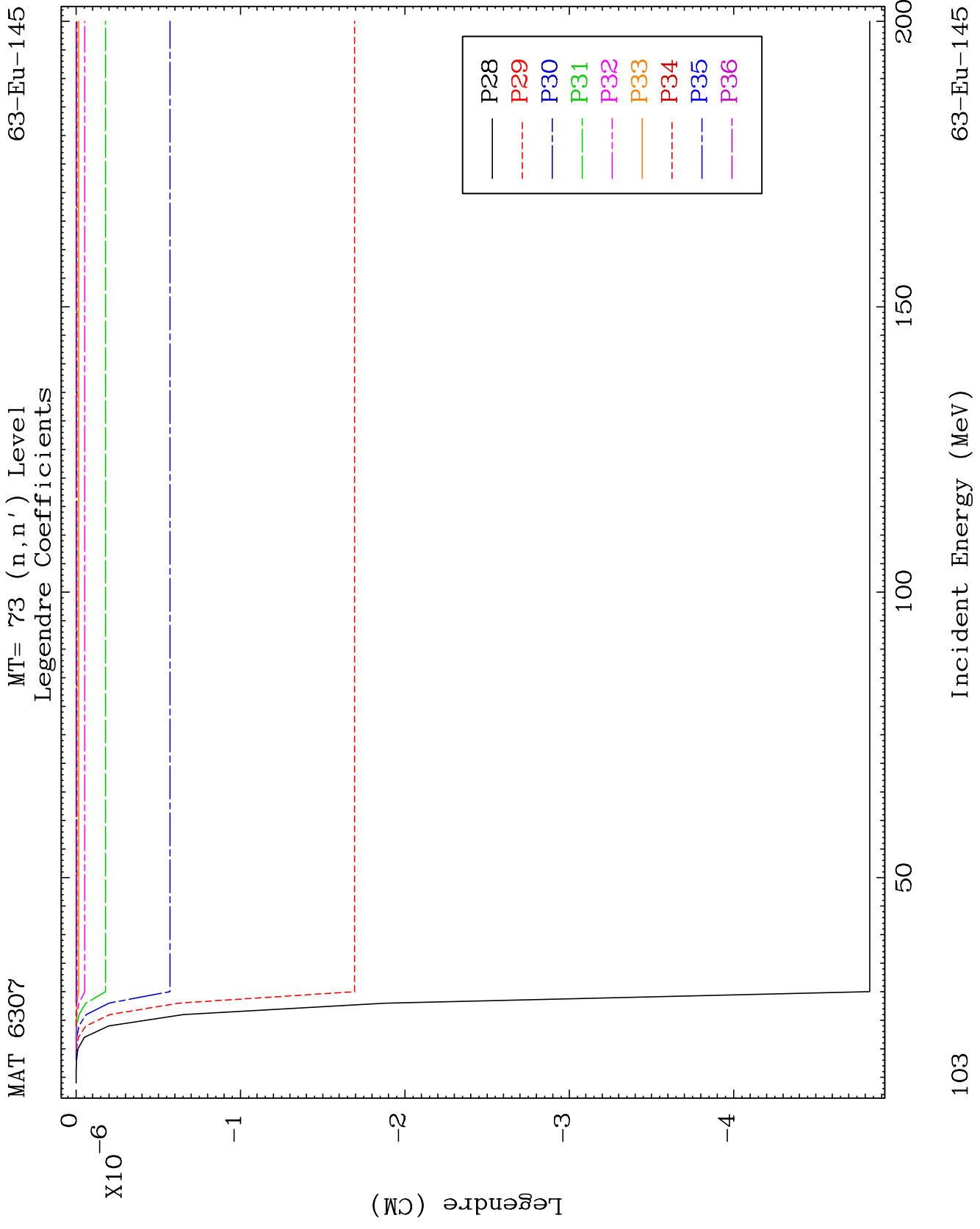
63-Eu-145



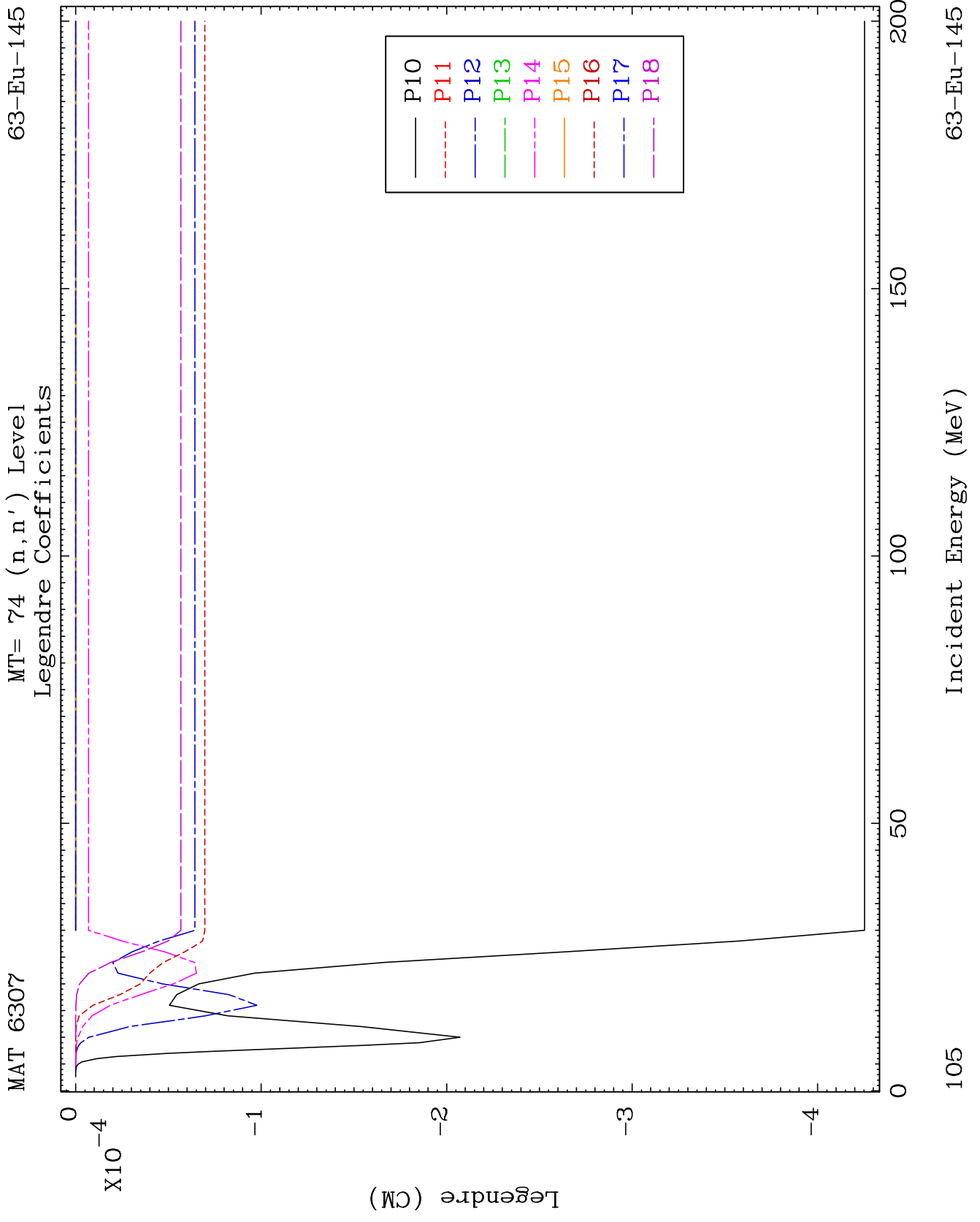
102

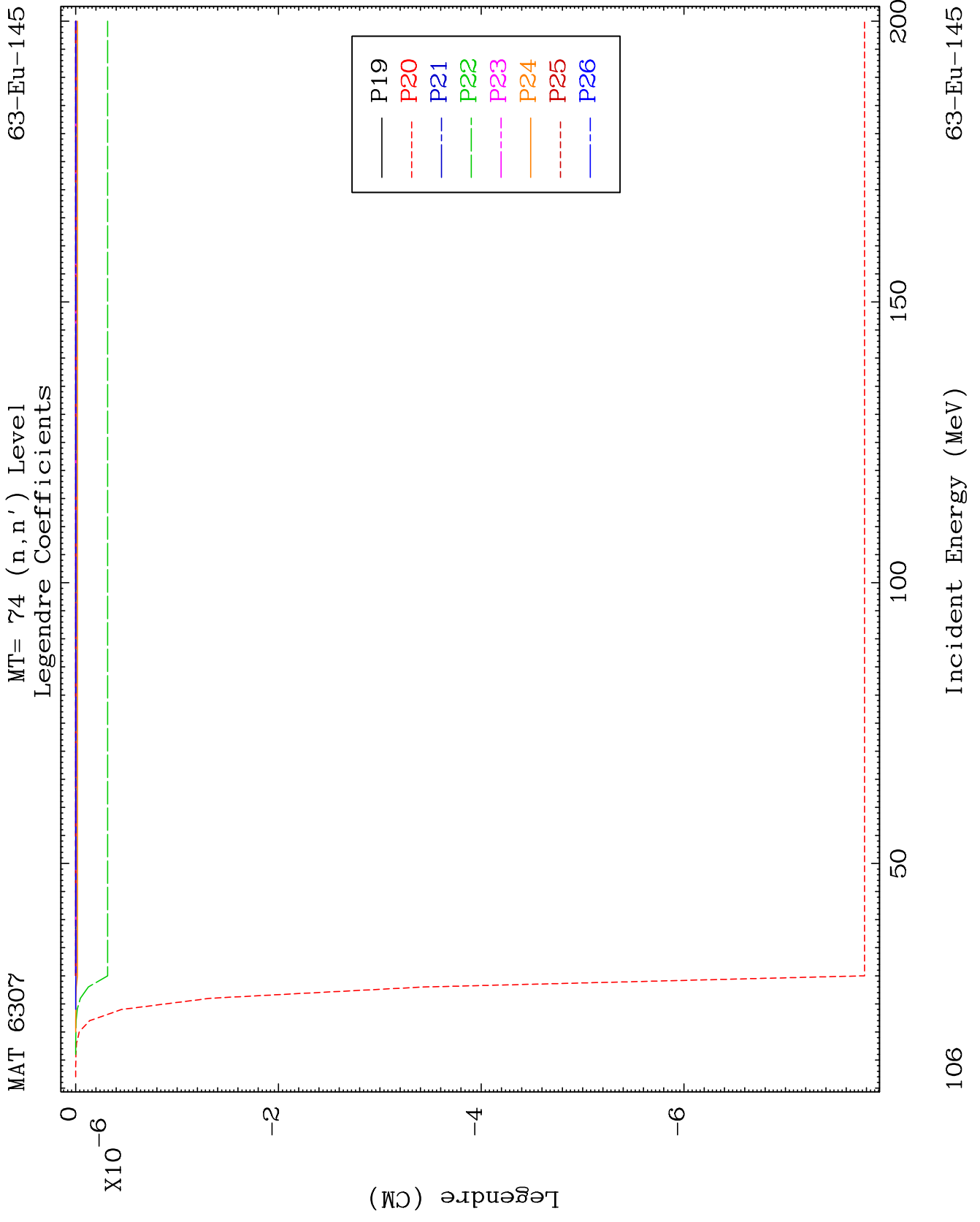
Incident Energy (MeV)

63-Eu-145





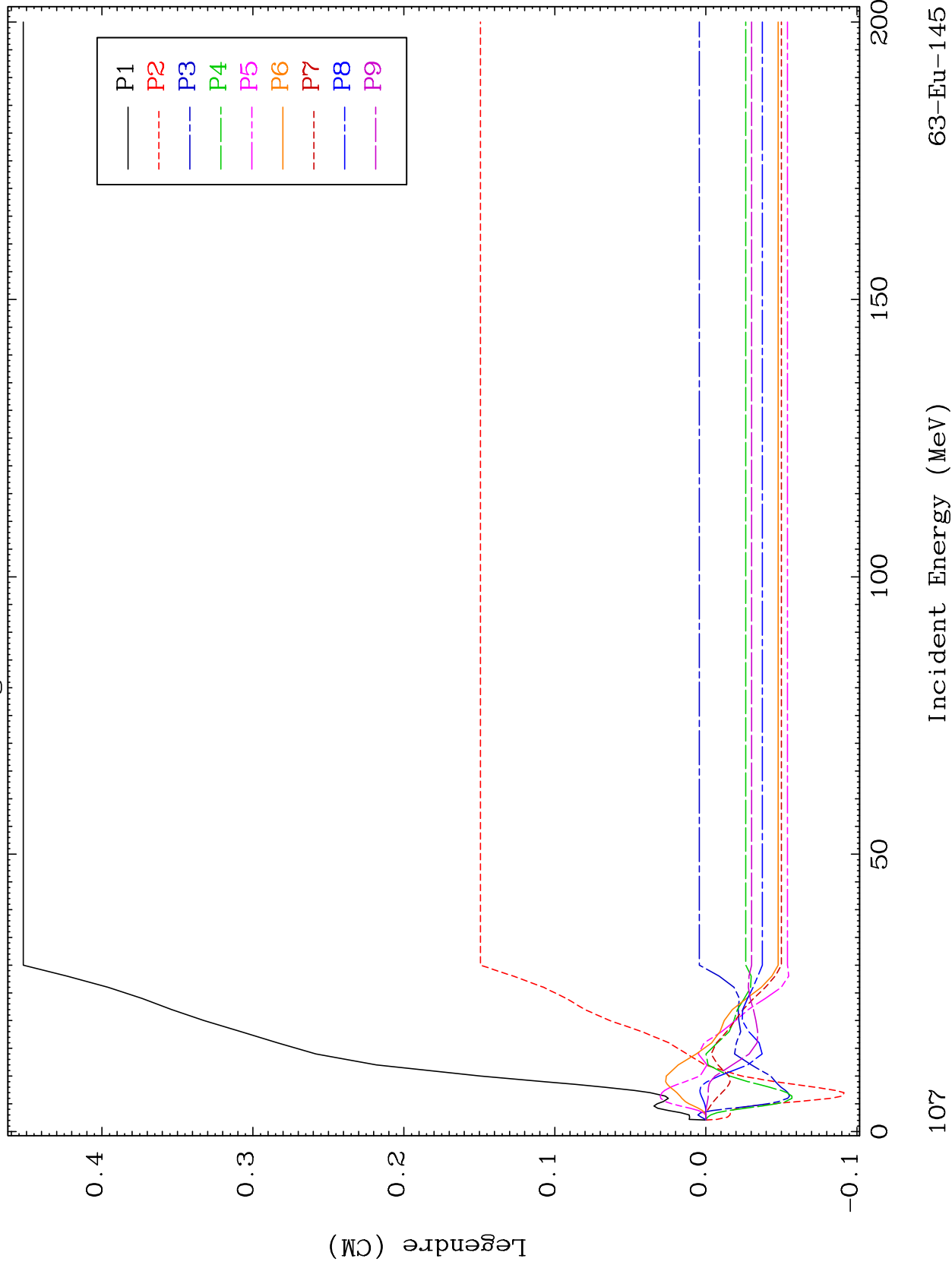




MAT 6307

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

63-Eu-145



63-Eu-145

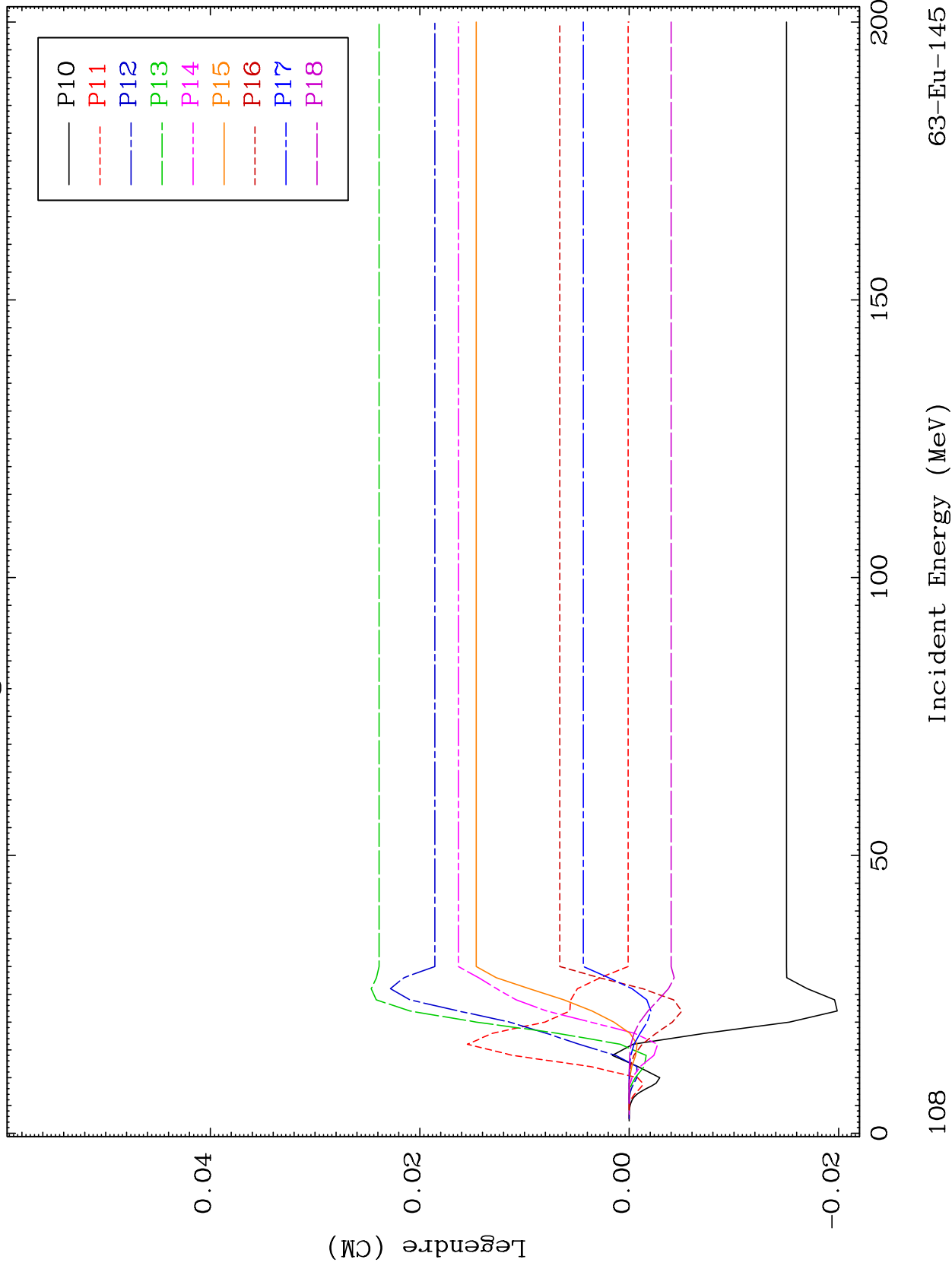
Incident Energy (MeV)

107

MAT 6307

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

63-Eu-145



63-Eu-145

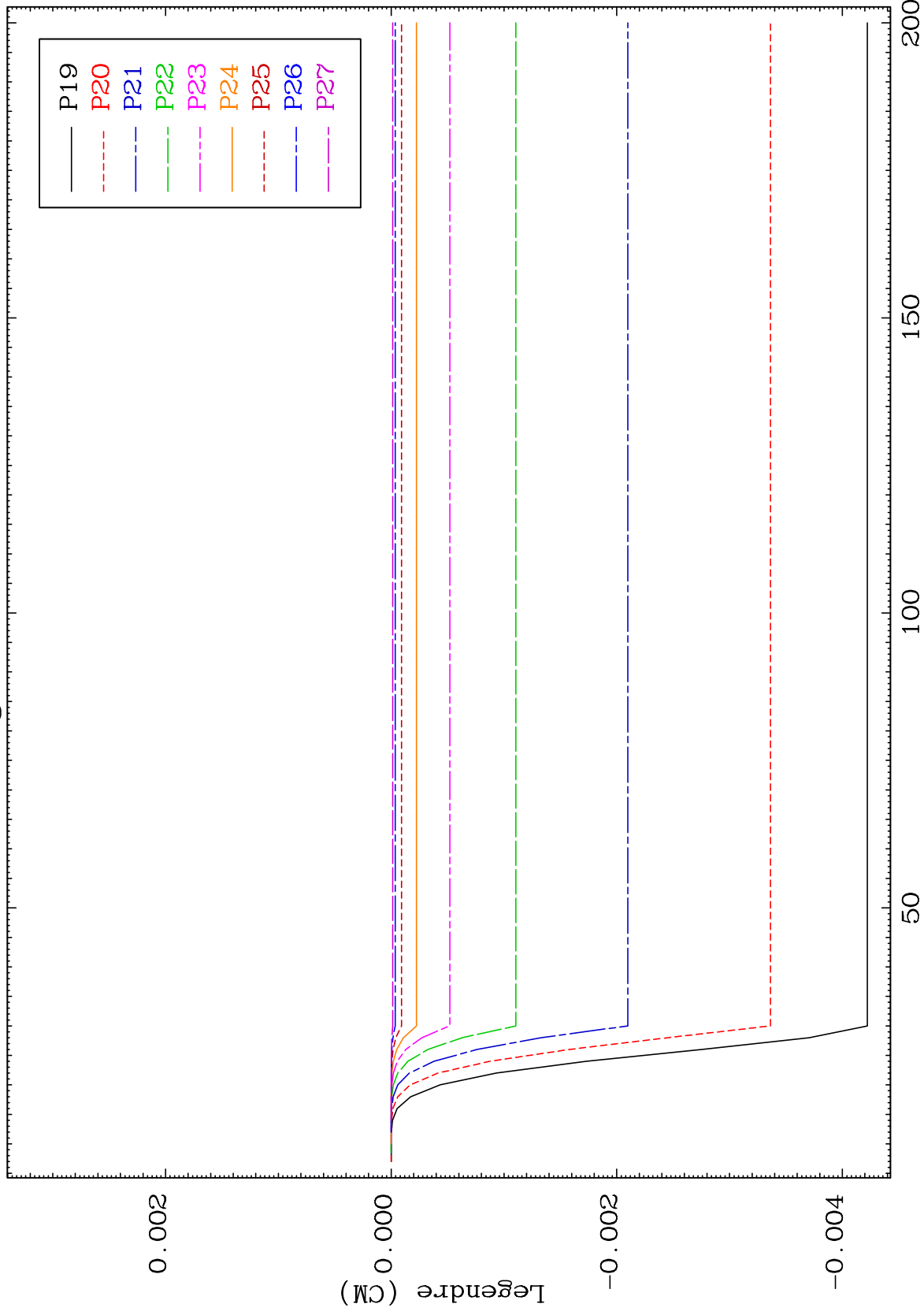
Incident Energy (MeV)

108

MAT 6307

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

63-Eu-145



109

Incident Energy (MeV)

63-Eu-145

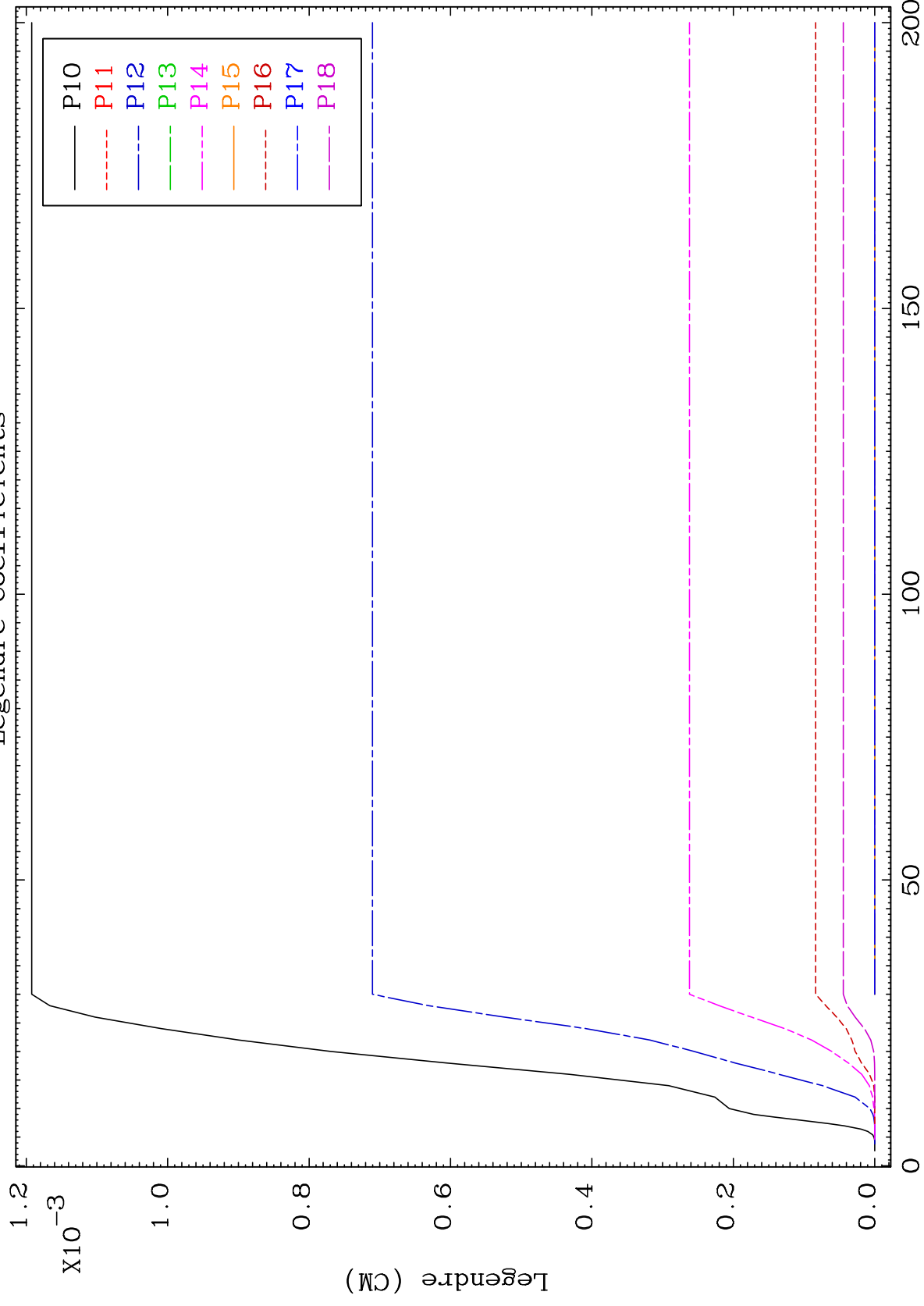




MAT 6307

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

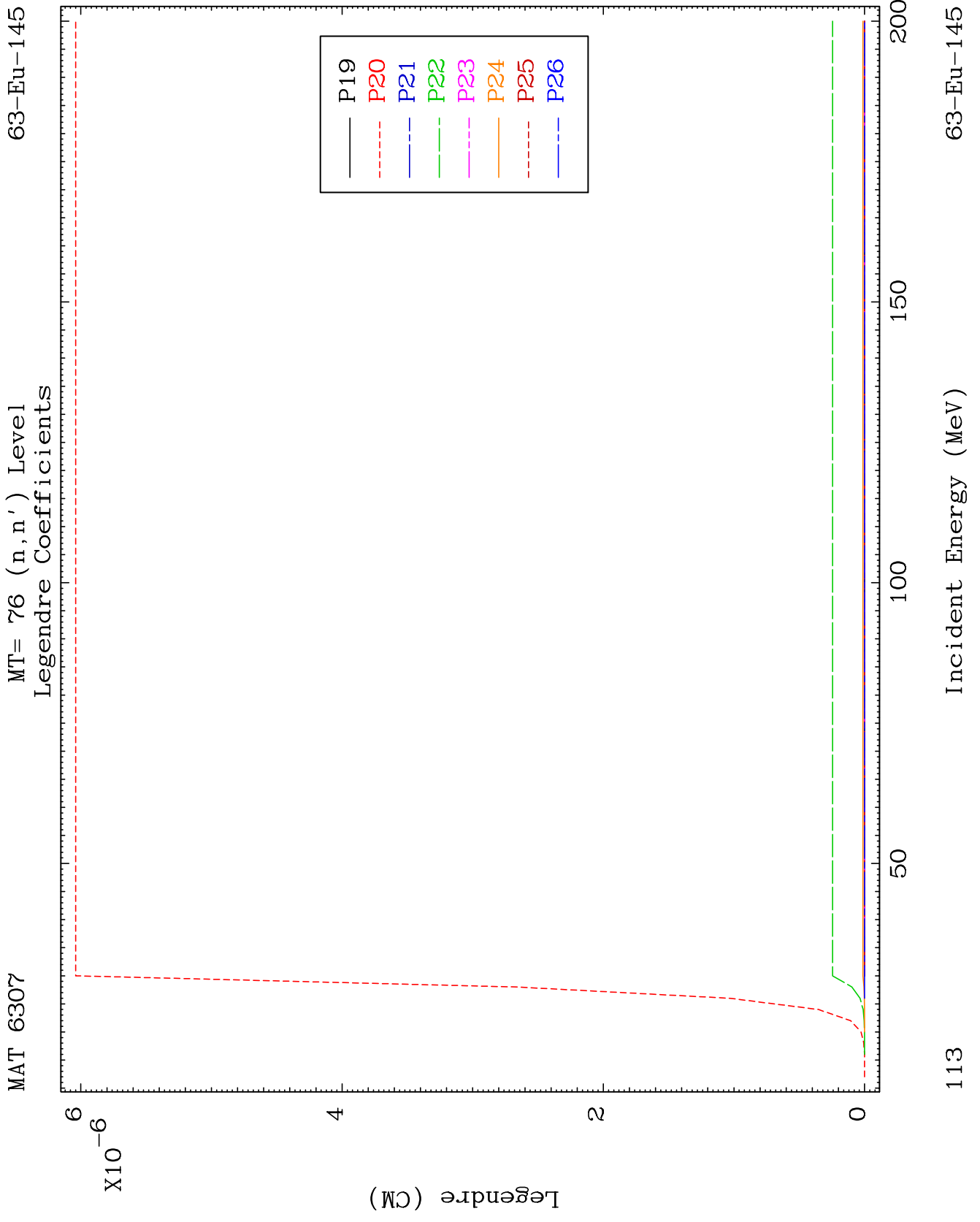
63-Eu-145



112

Incident Energy (MeV)

63-Eu-145



63-Eu-145

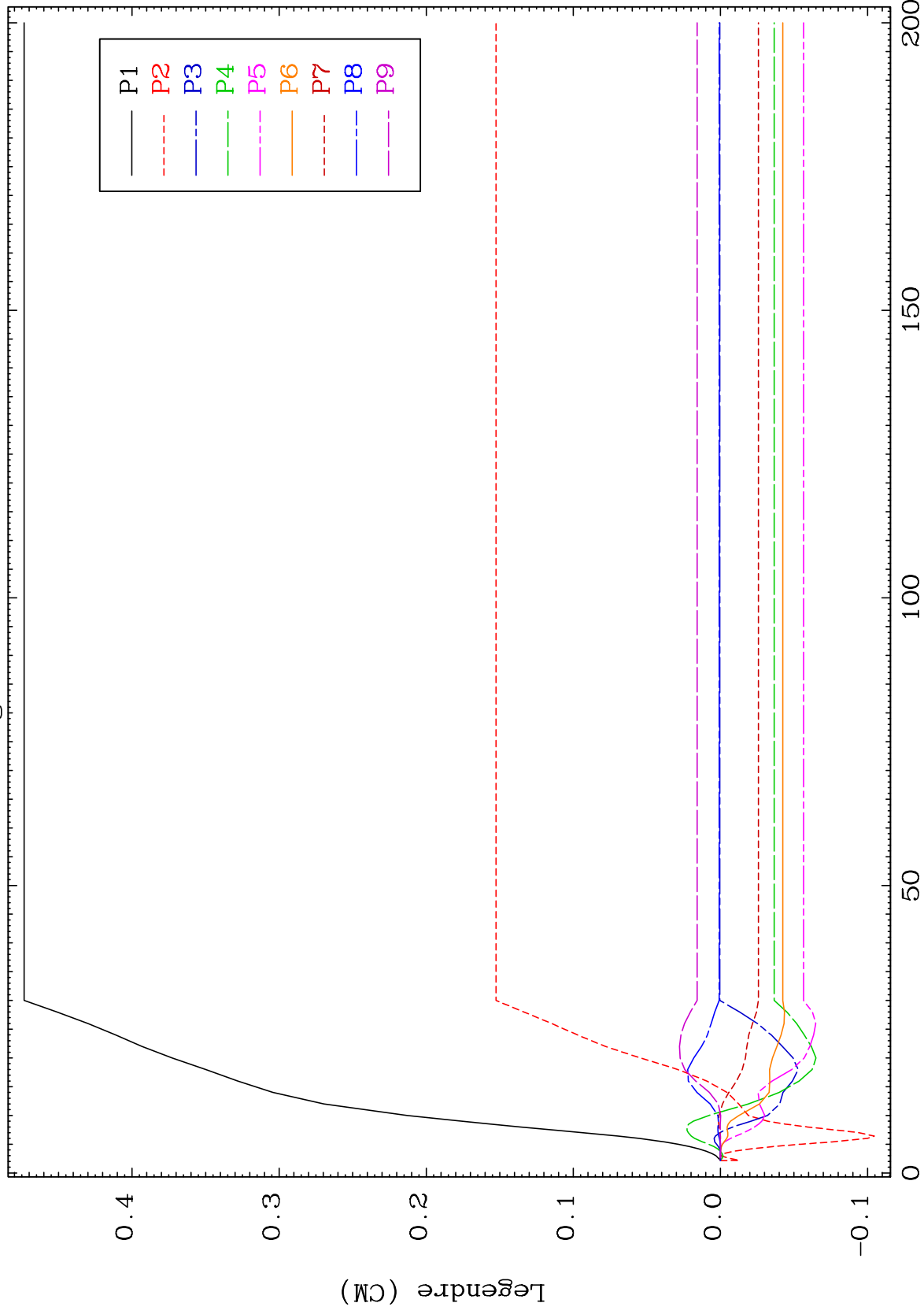
Incident Energy (MeV)

113

MAT 6307

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

63-Eu-145



114

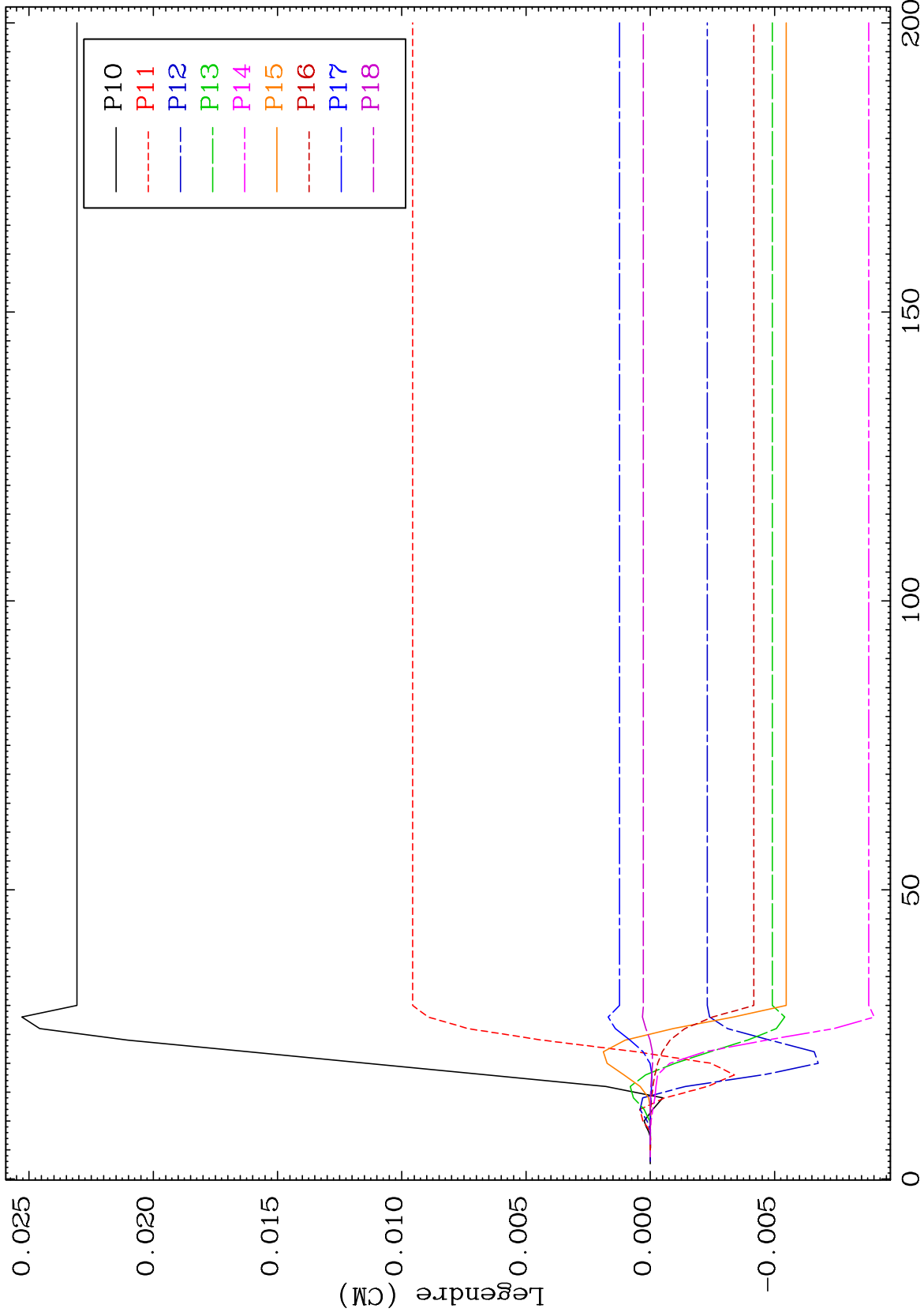
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



115

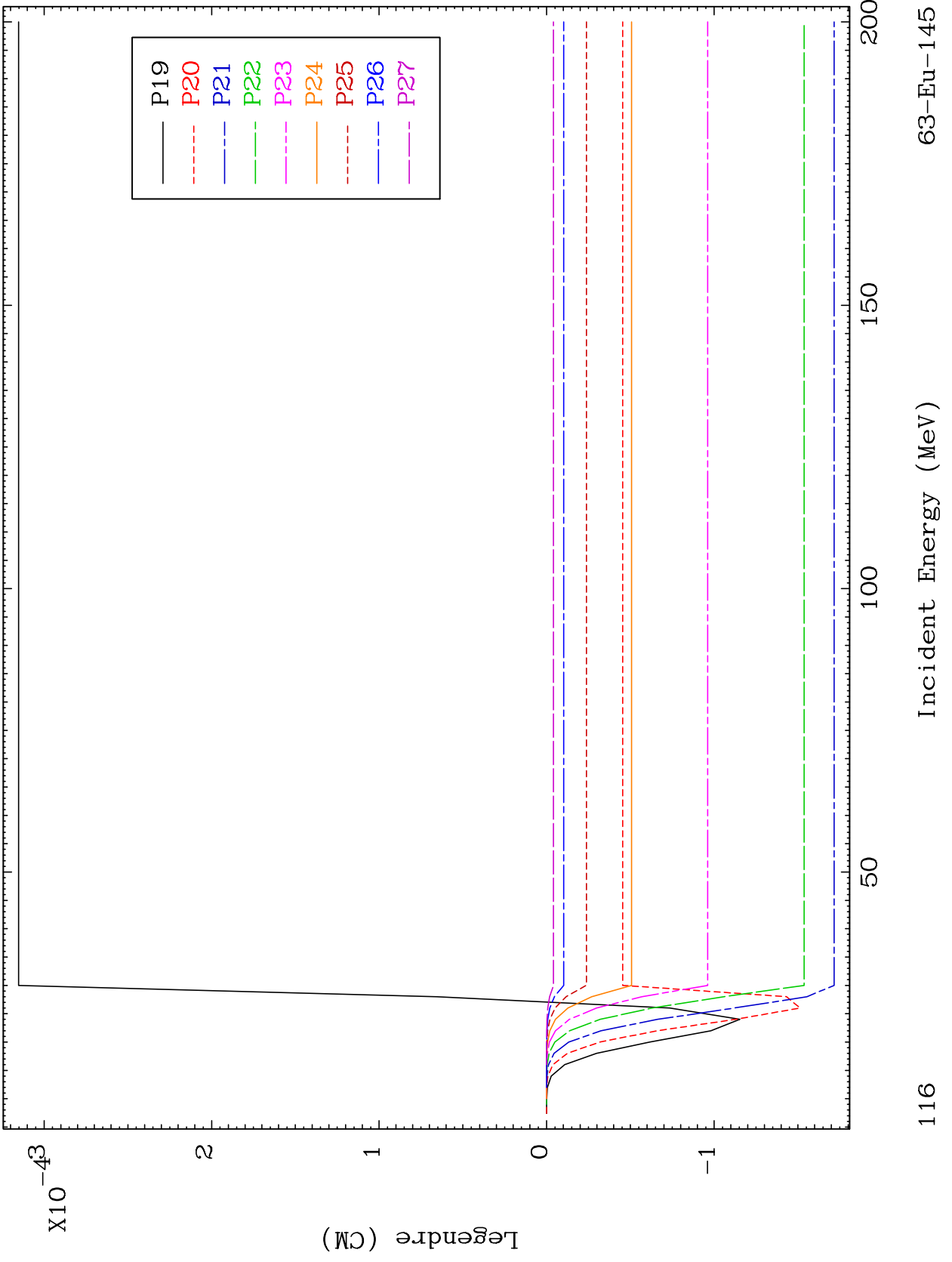
Incident Energy (MeV)

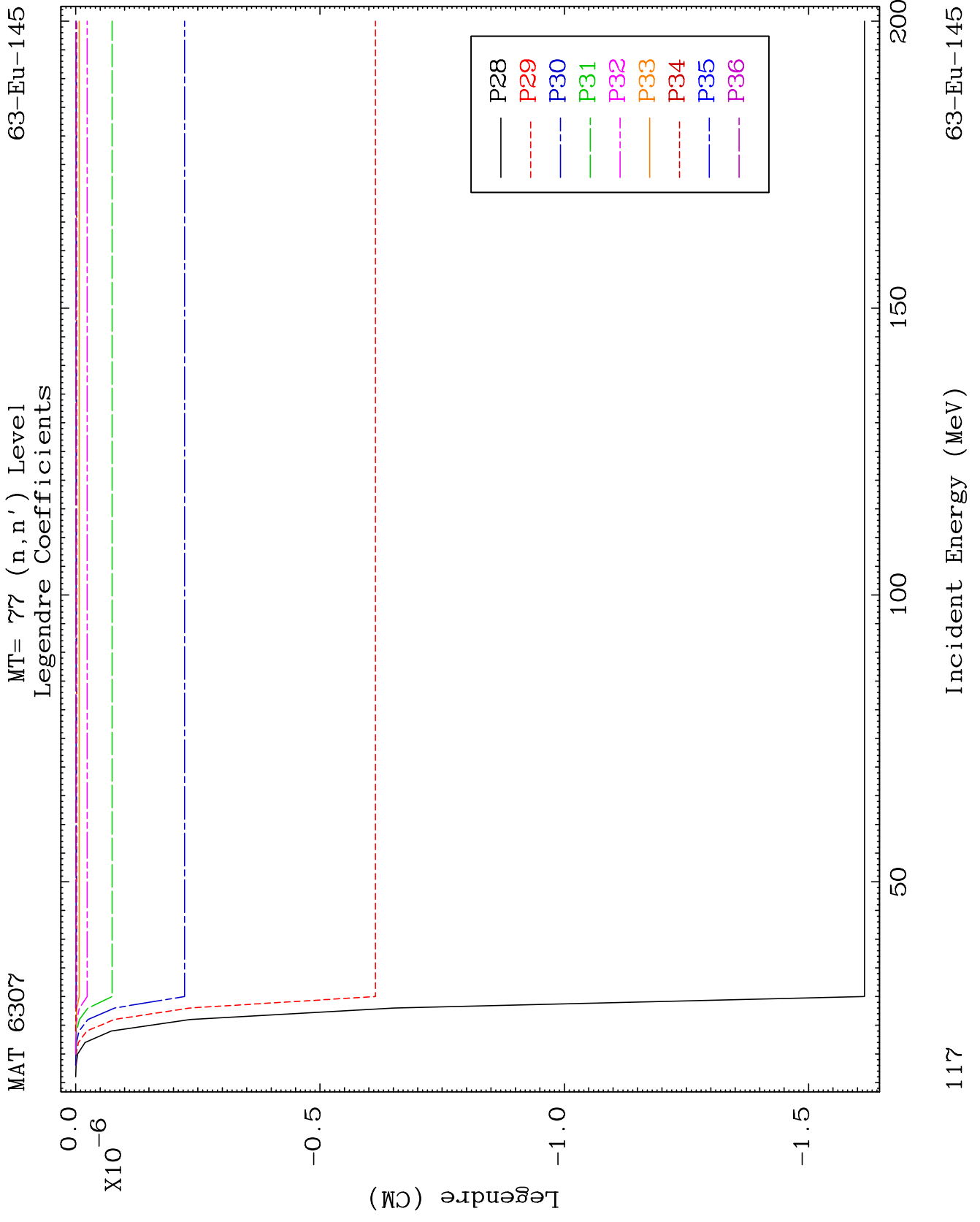
63-Eu-145

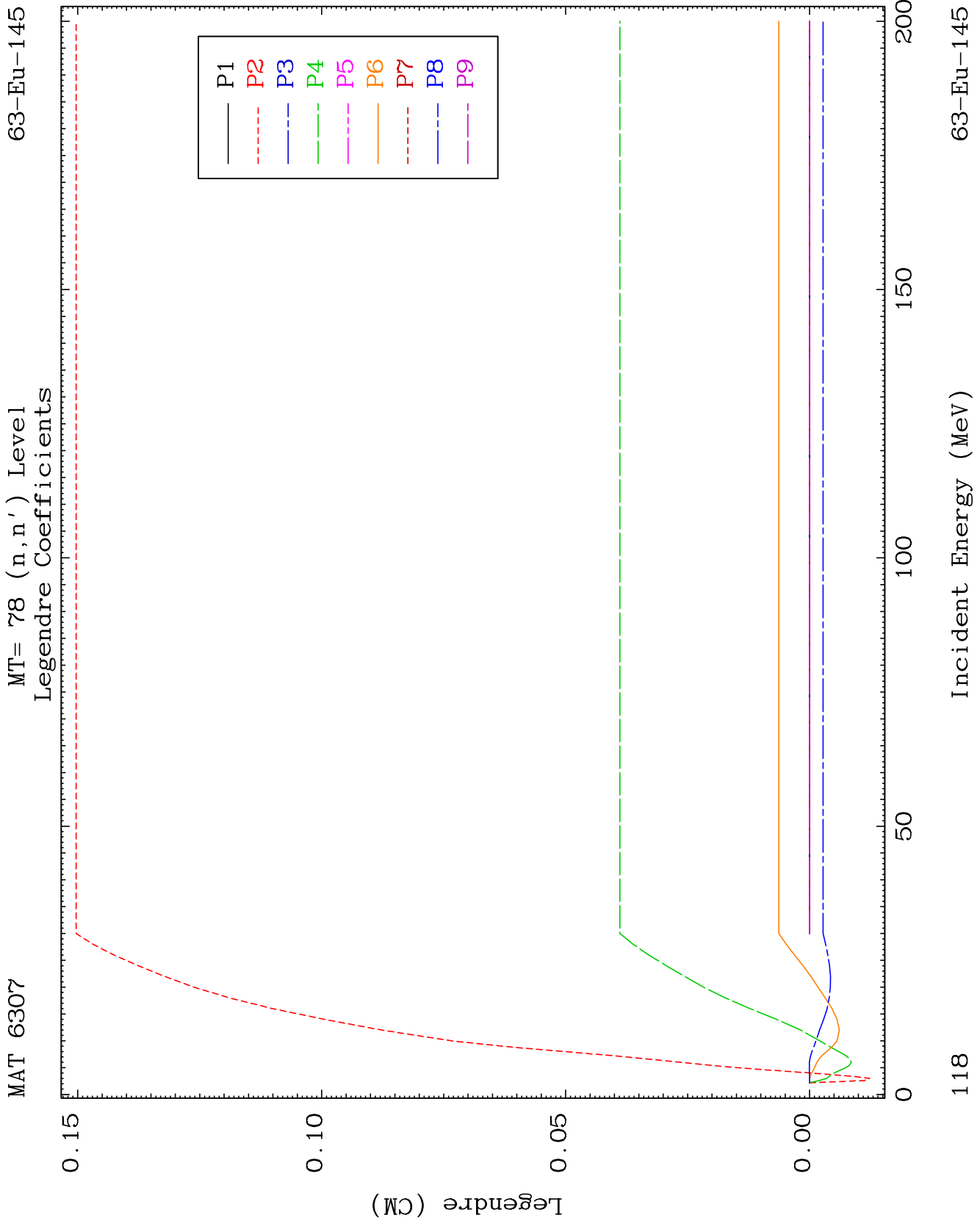
MAT 6307

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

63-Eu-145



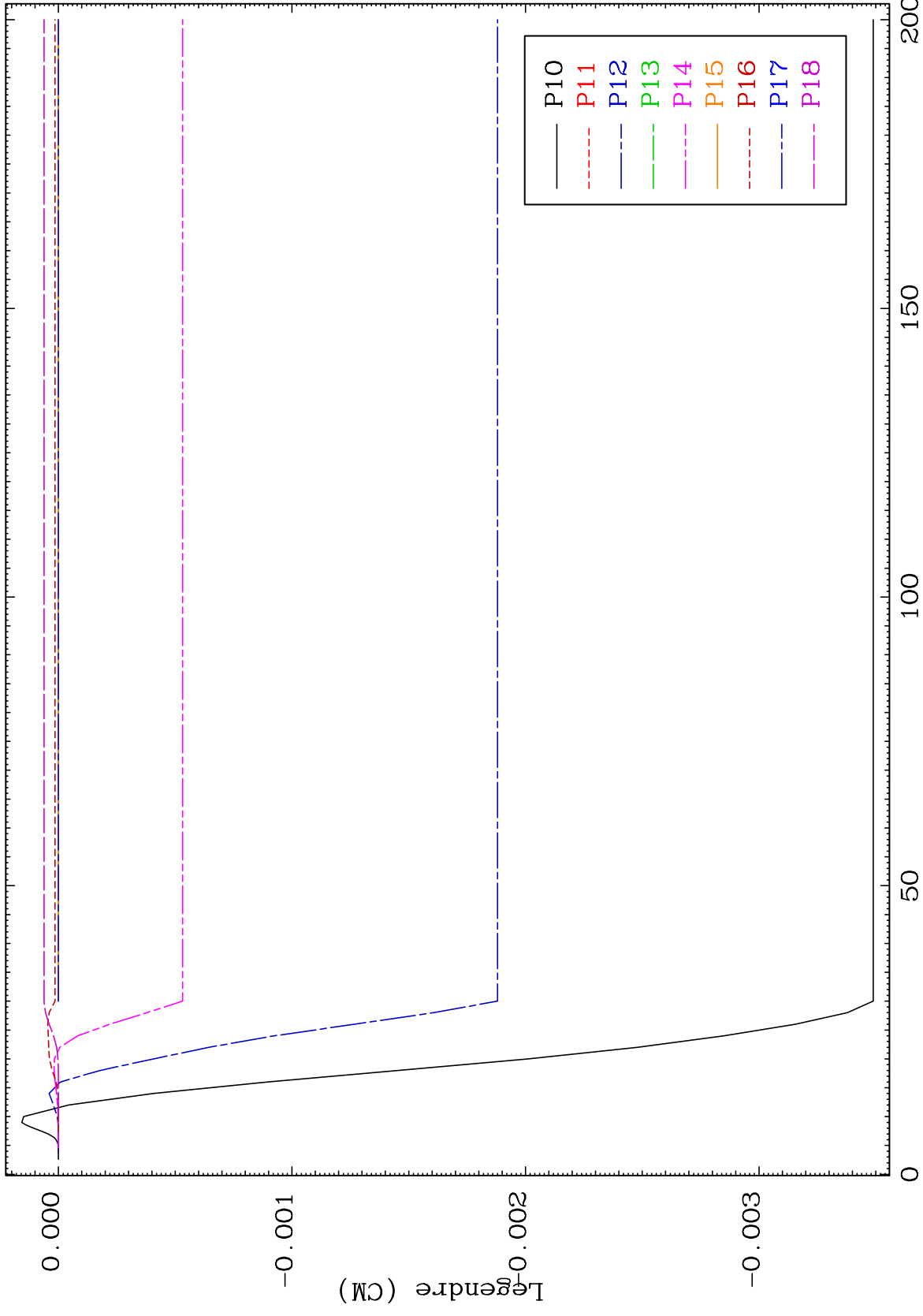




MAT 6307

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

63-Eu-145



119

Incident Energy (MeV)

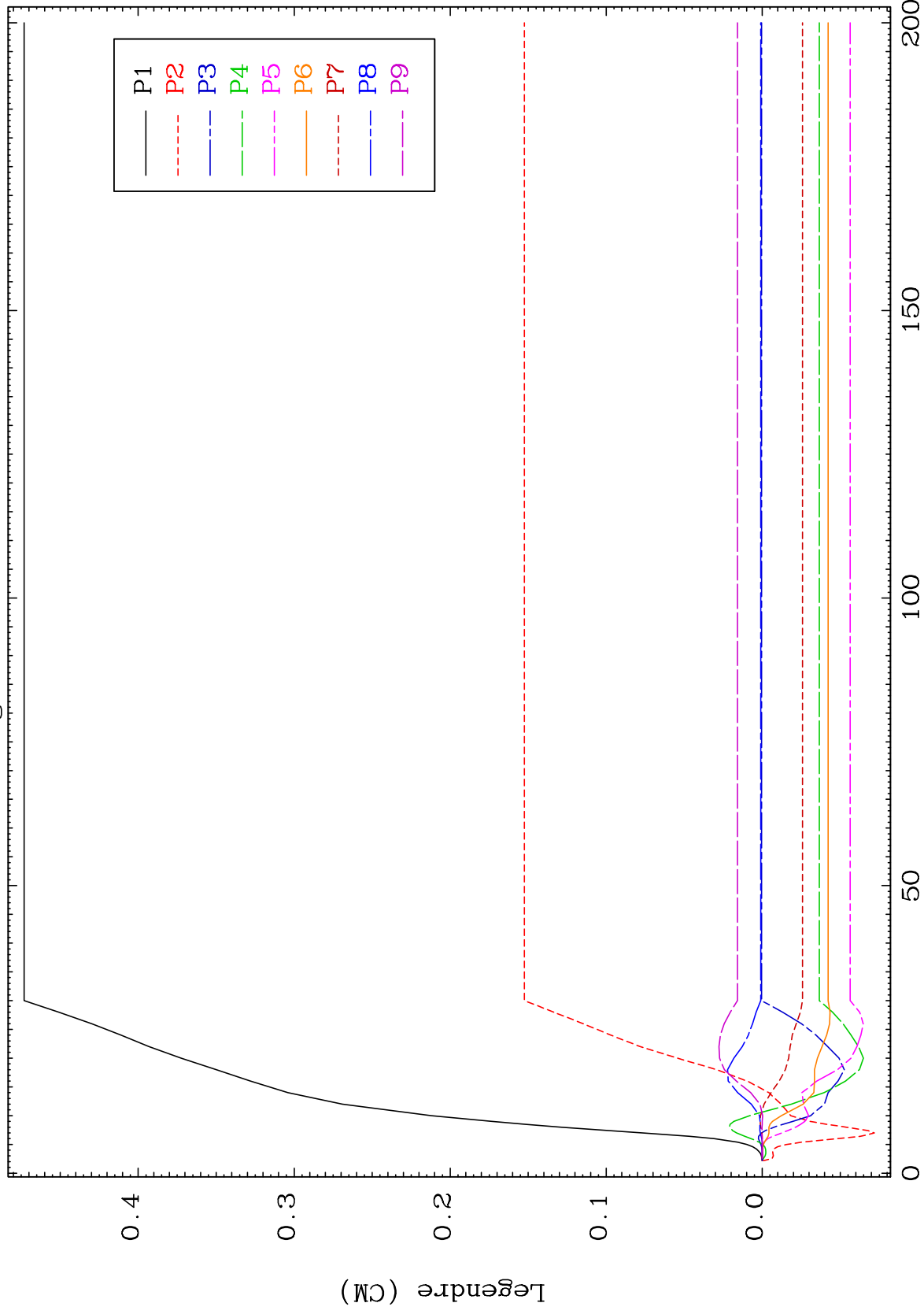
63-Eu-145



MAT 6307

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

63-Eu-145



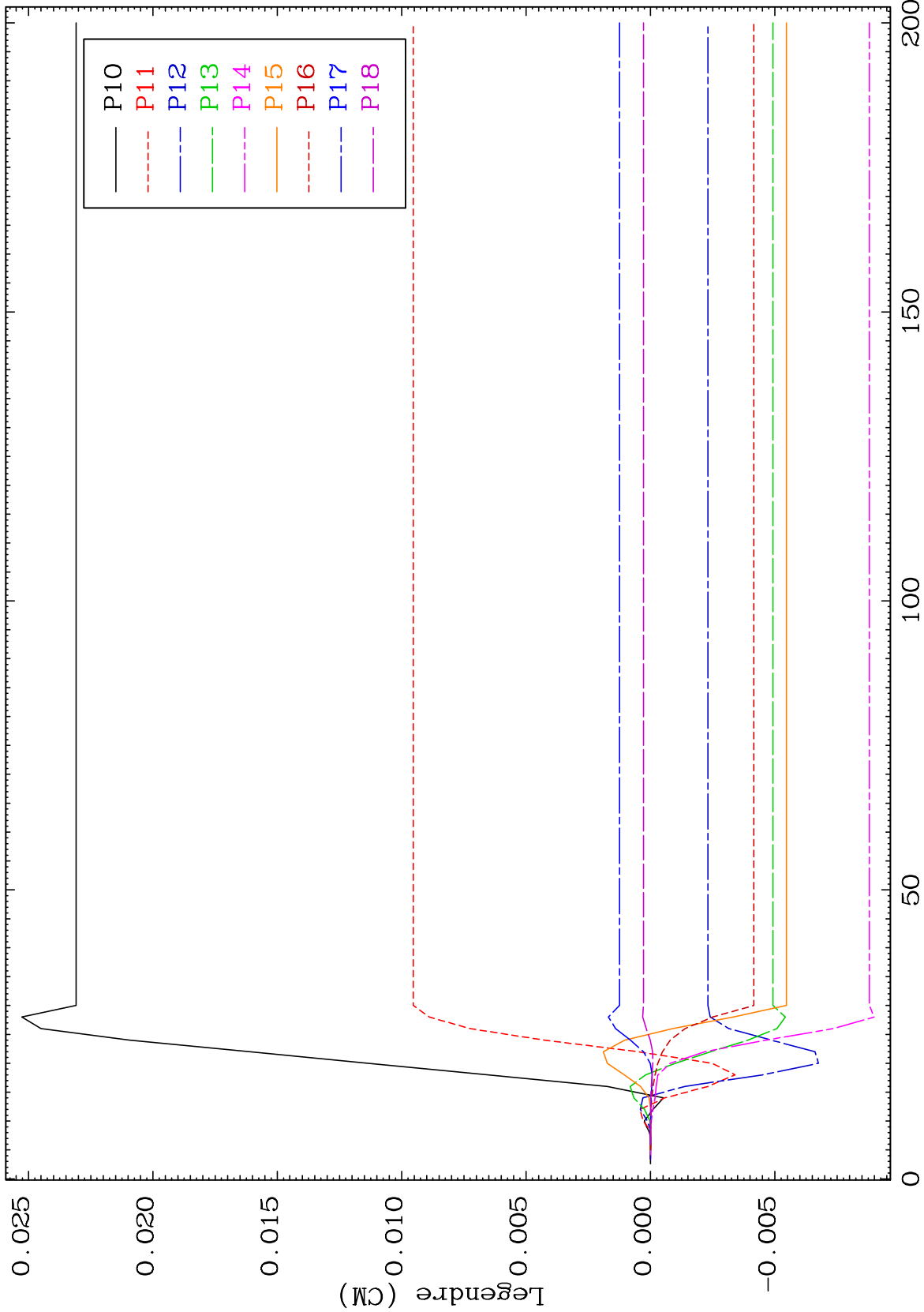
121

63-Eu-145

MAT 6307

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

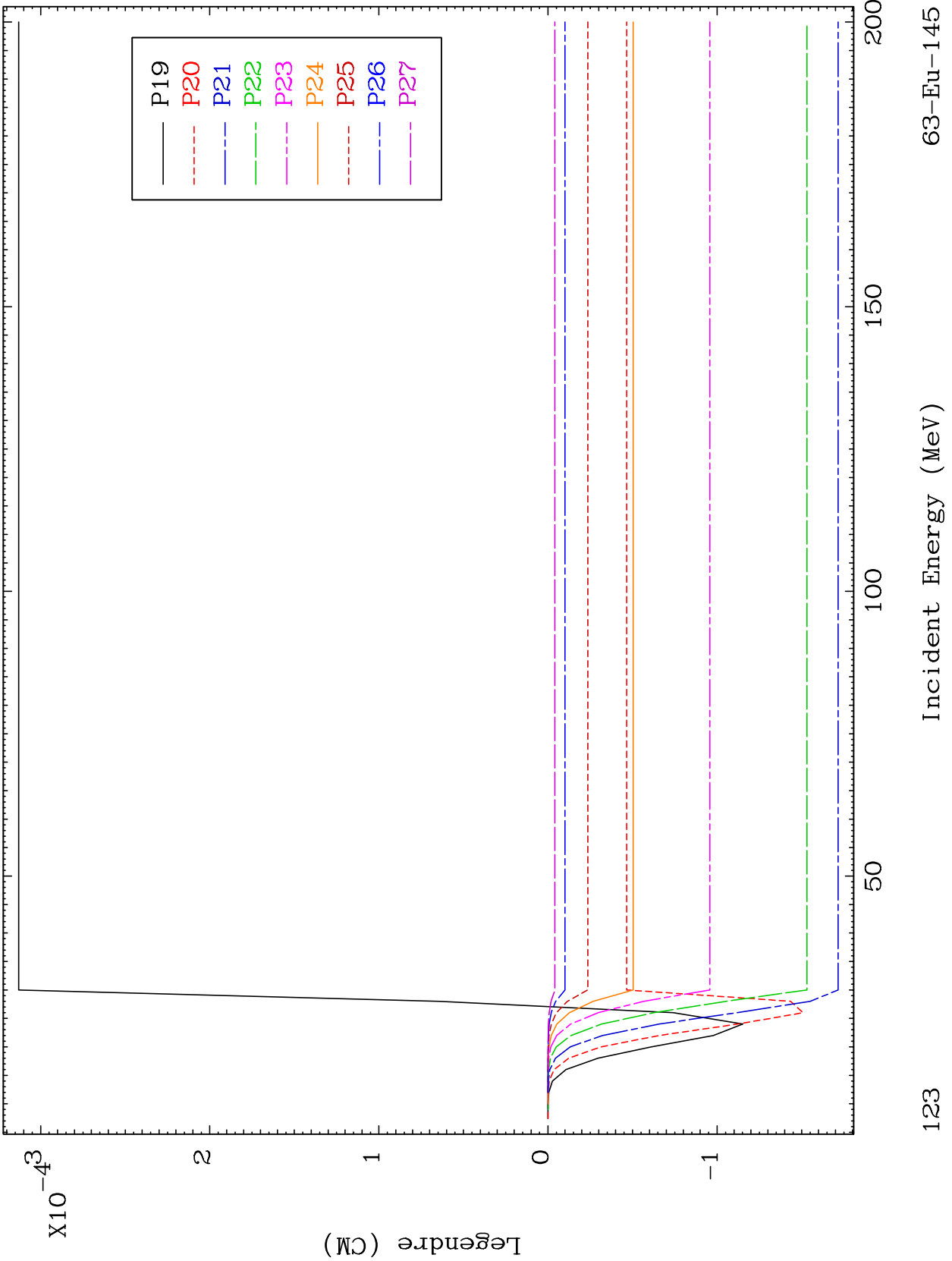
63-Eu-145

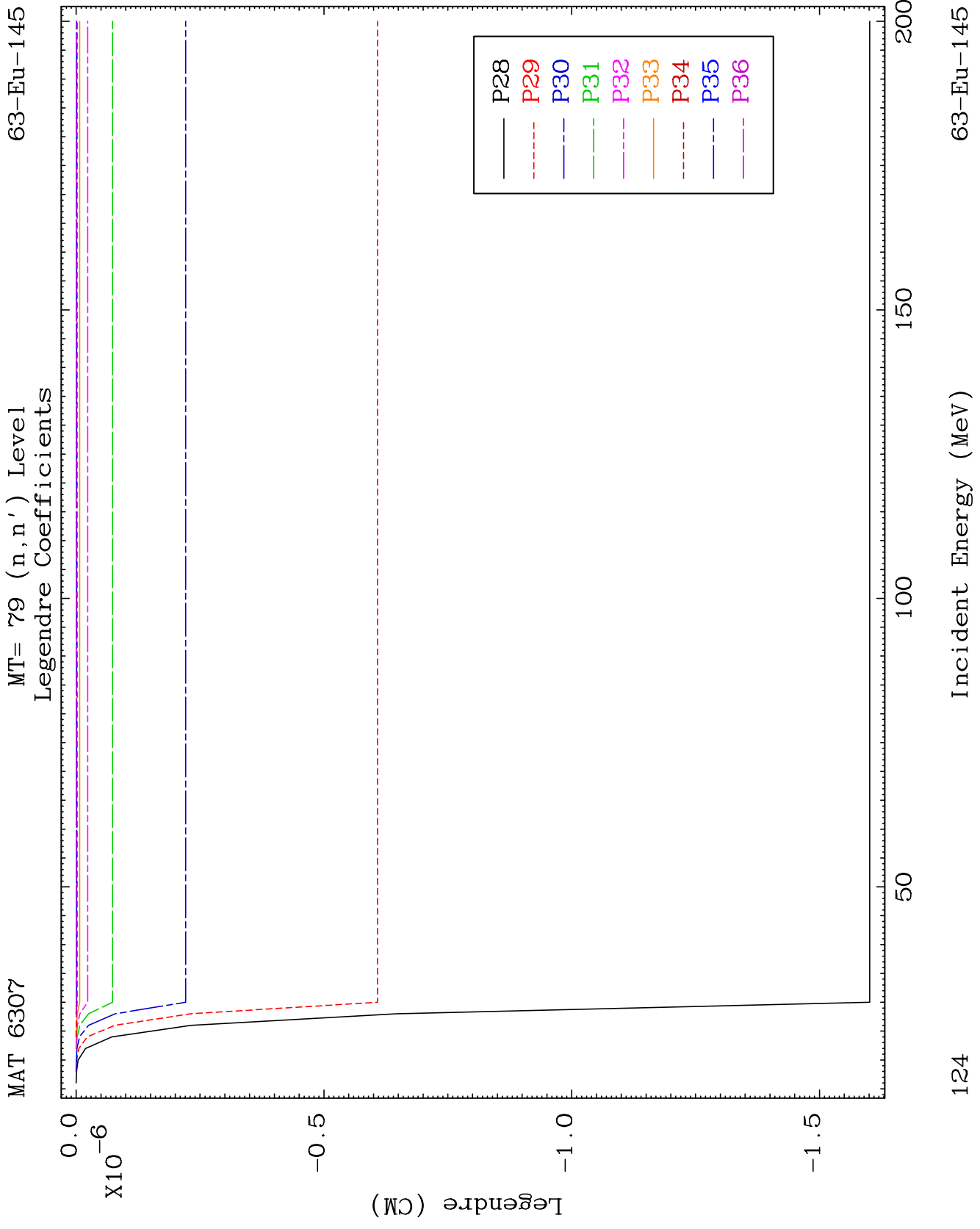


122

Incident Energy (MeV)

63-Eu-145

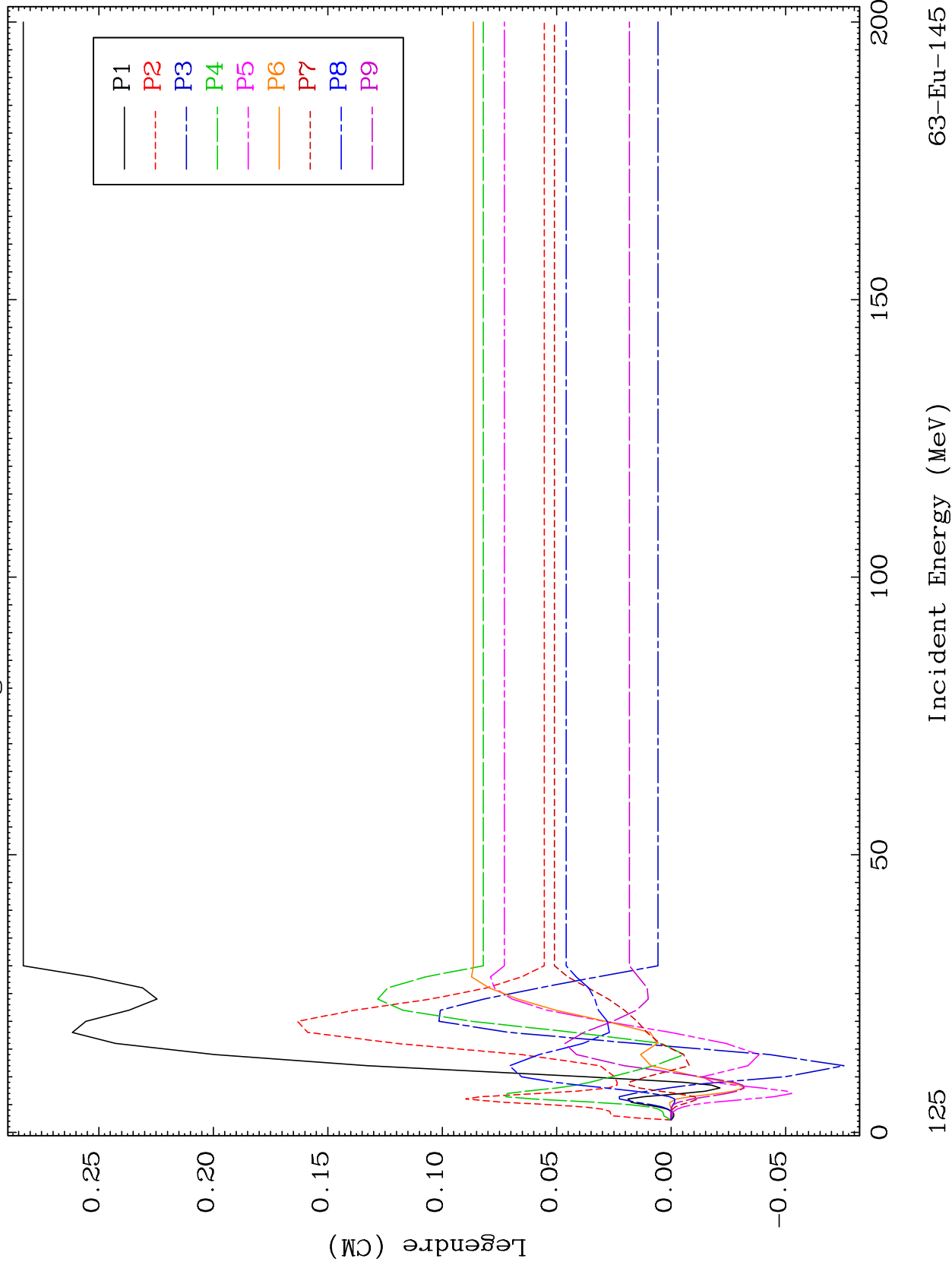




MAT 6307

MT= 80 (n,n') Level  
Legendre Coefficients

63-Eu-145



63-Eu-145

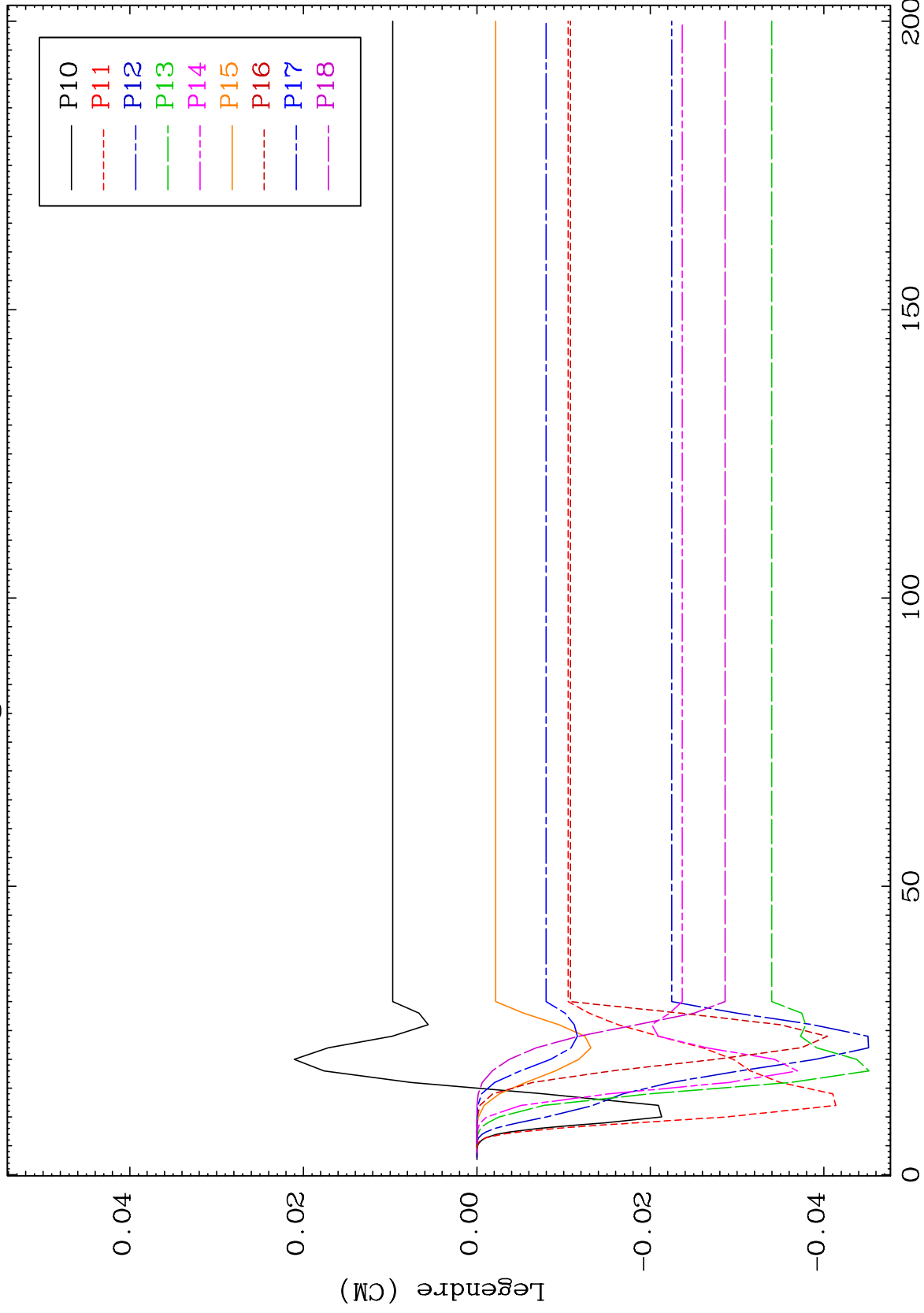
Incident Energy (MeV)

125

MAT 6307

MT= 80 (n,n') Level  
Legendre Coefficients

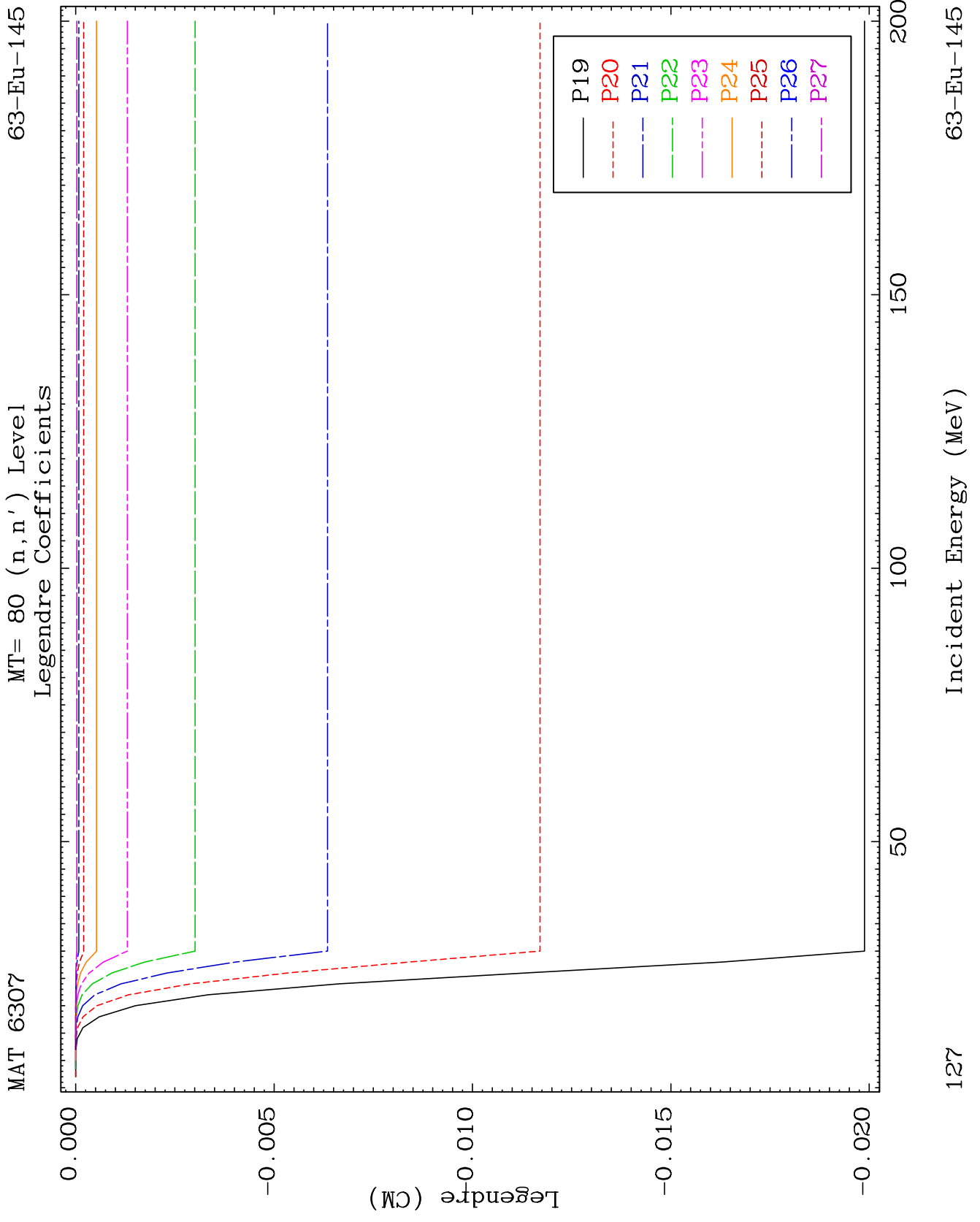
63-Eu-145

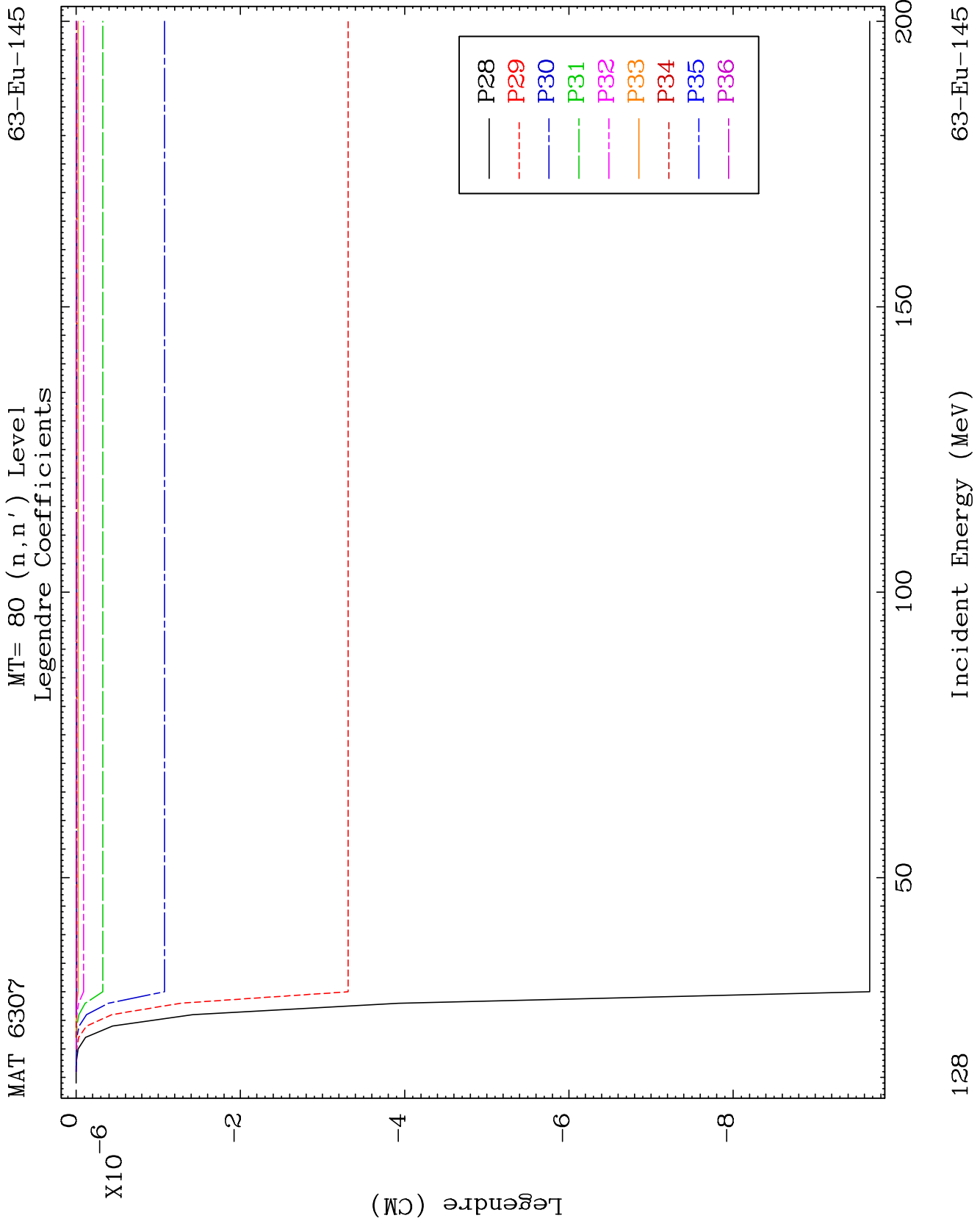


126

Incident Energy (MeV)

63-Eu-145



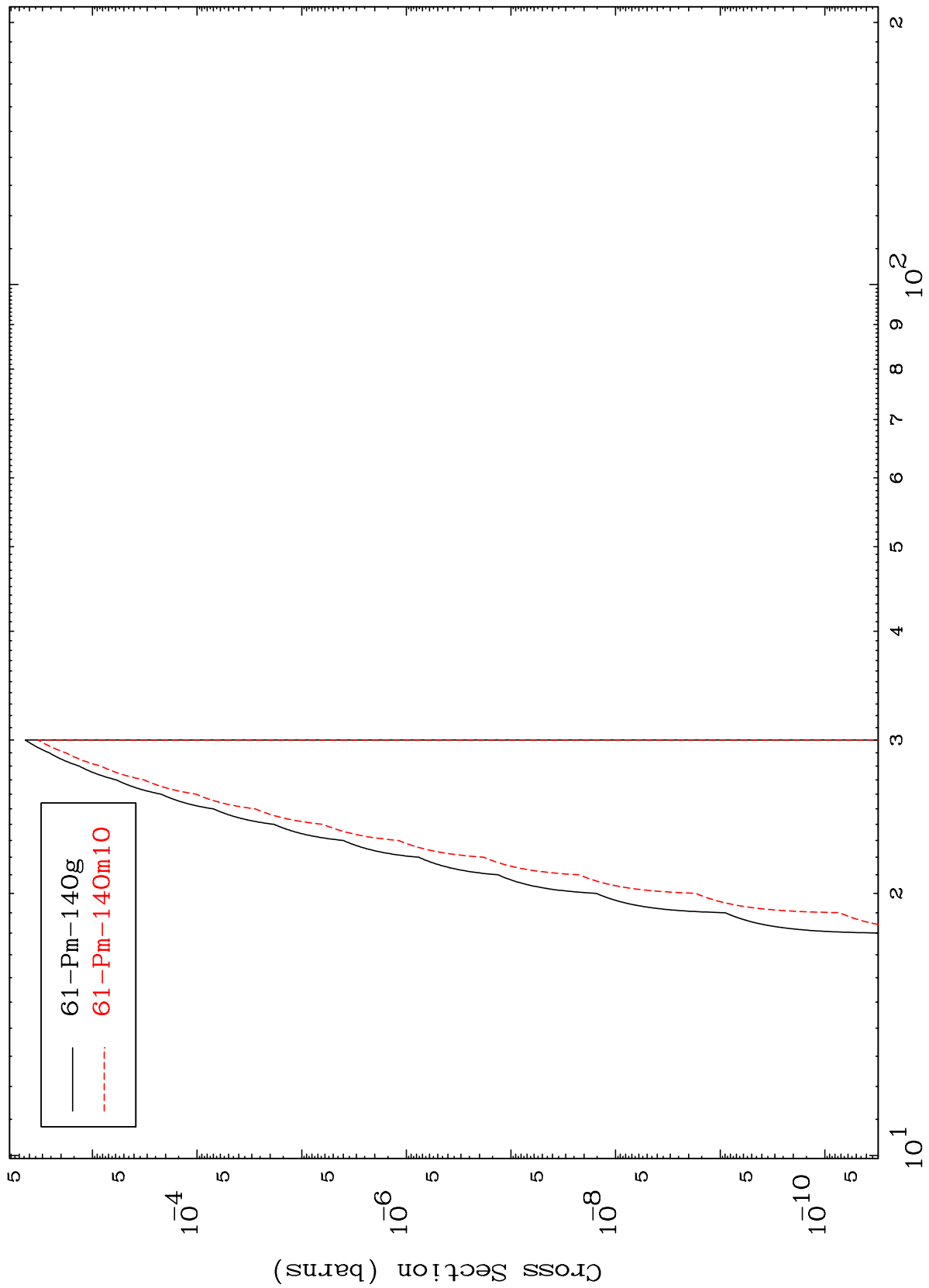


MAT 6307

(n,2n)  $\alpha$

63-Eu-145

Radionuclide Production Cross Section



129

Incident Energy (MeV)

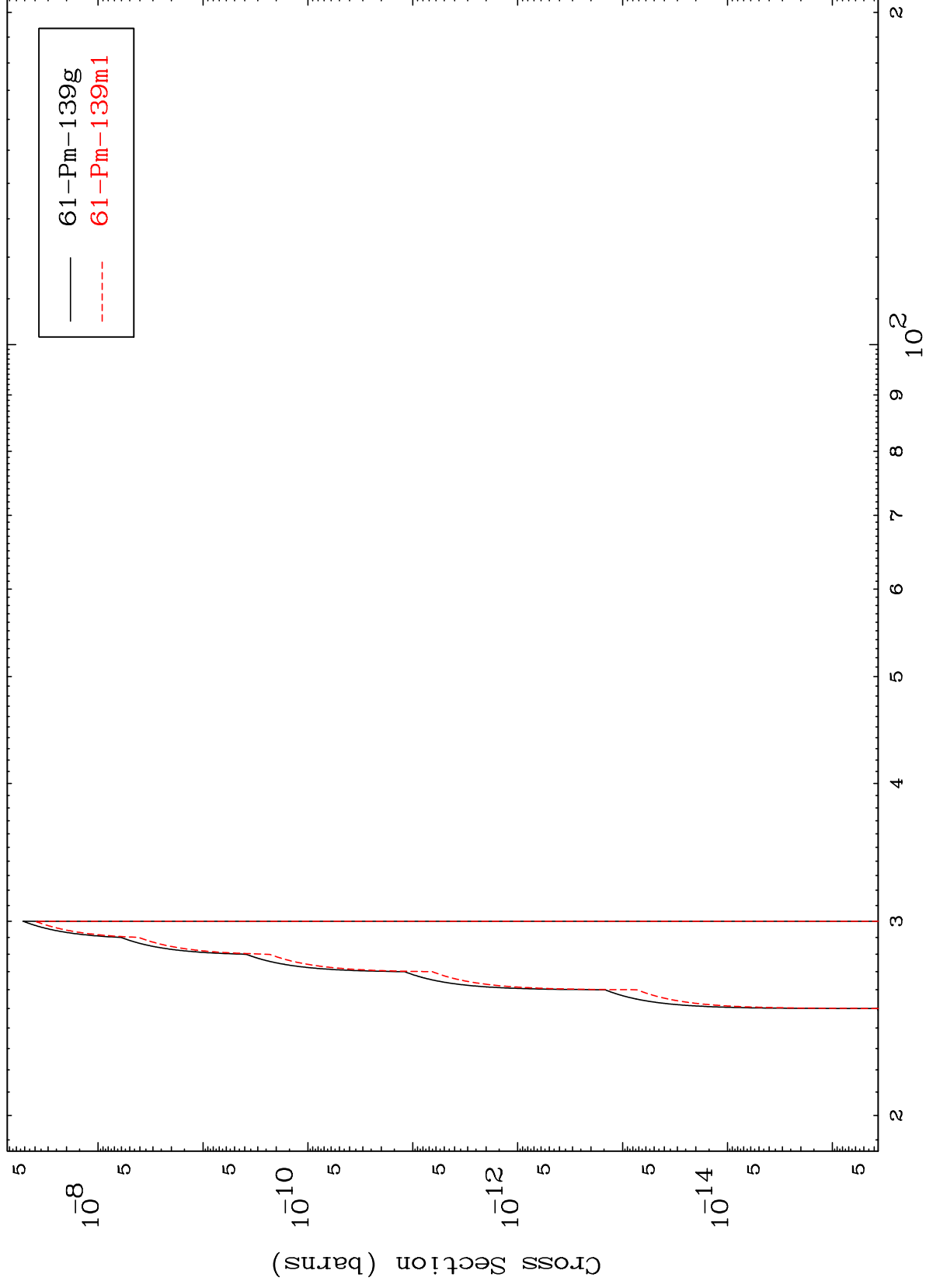
63-Eu-145

MAT 6307

(n,3n)  $\alpha$

63-Eu-145

Radionuclide Production Cross Section



130

Incident Energy (MeV)

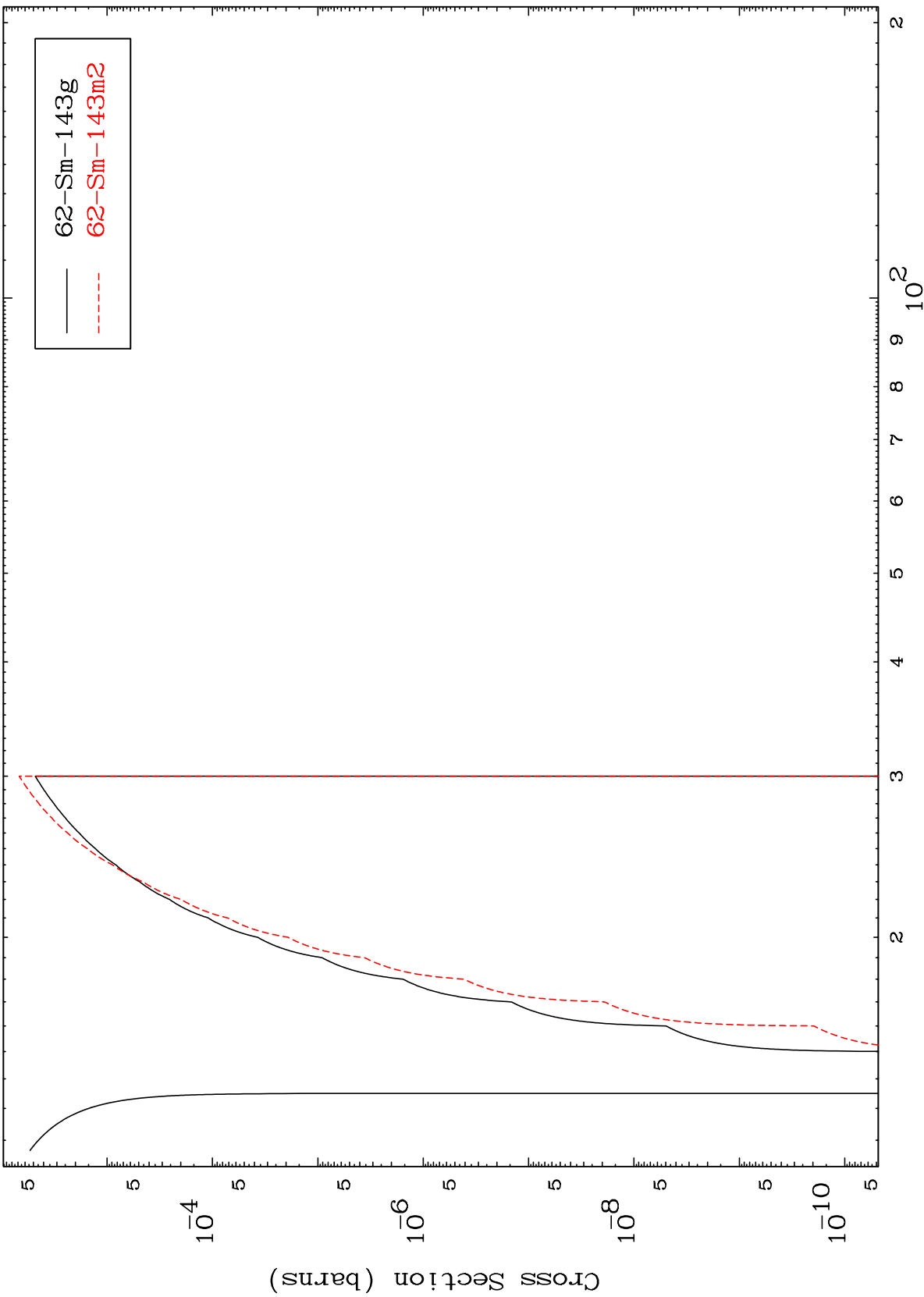
63-Eu-145

MAT 6307

(n,n') d

63-Eu-145

Radionuclide Production Cross Section



131

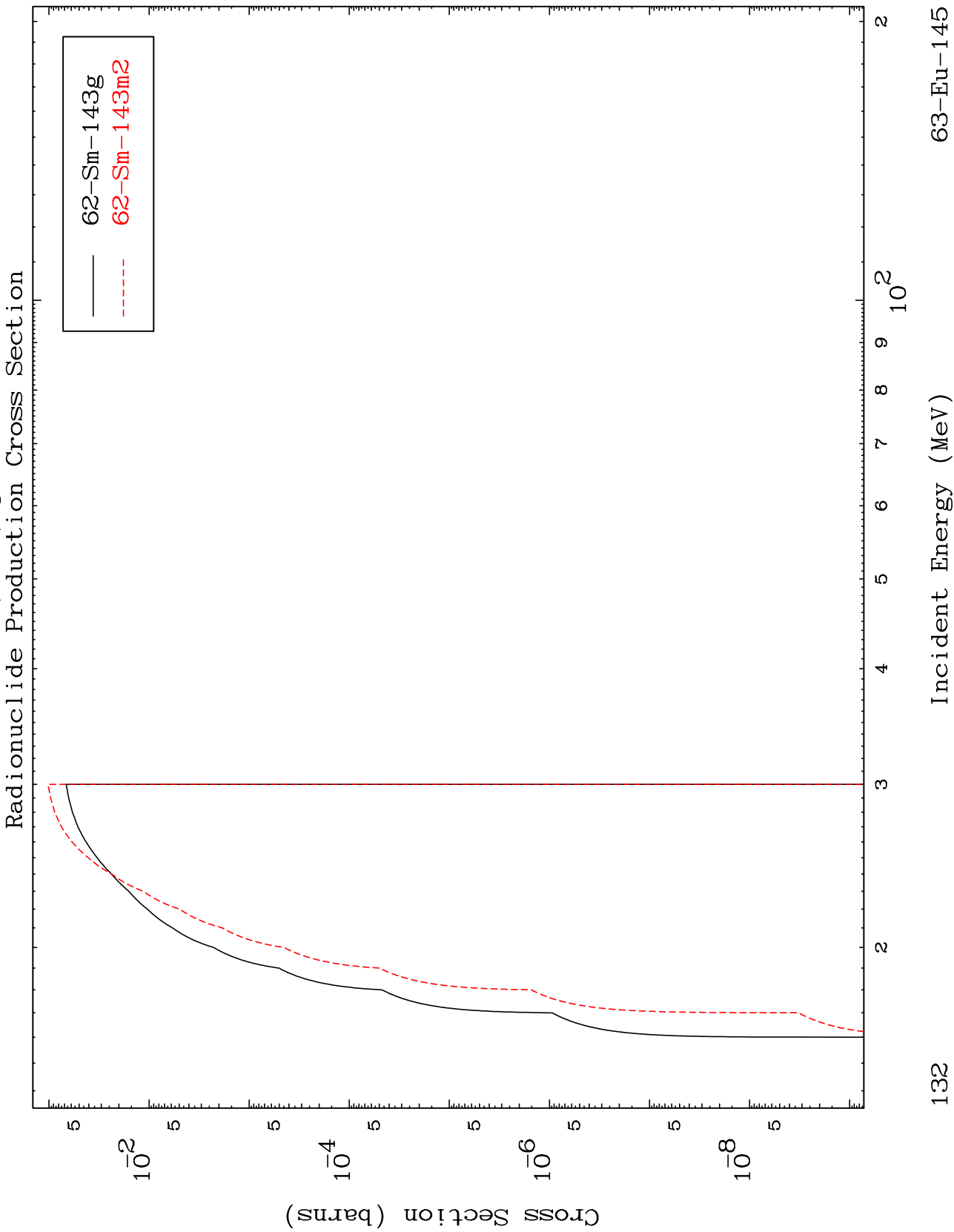
Incident Energy (MeV)

63-Eu-145

MAT 6307

(n,2n) p

63-Eu-145



132

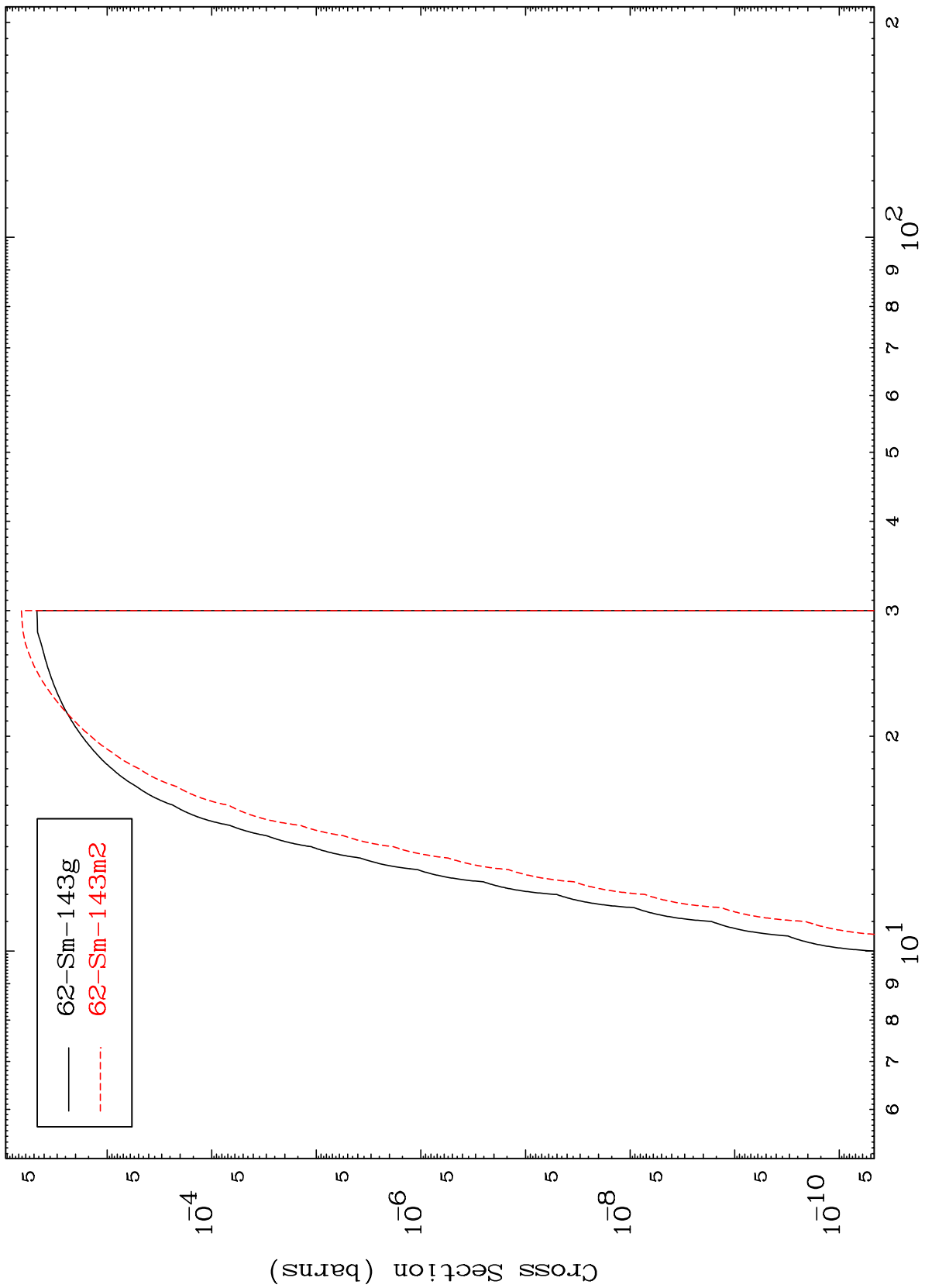
Incident Energy (MeV)

63-Eu-145

MAT 6307

63-Eu-145

(n, t)  
Radionuclide Production Cross Section



133

Incident Energy (MeV)

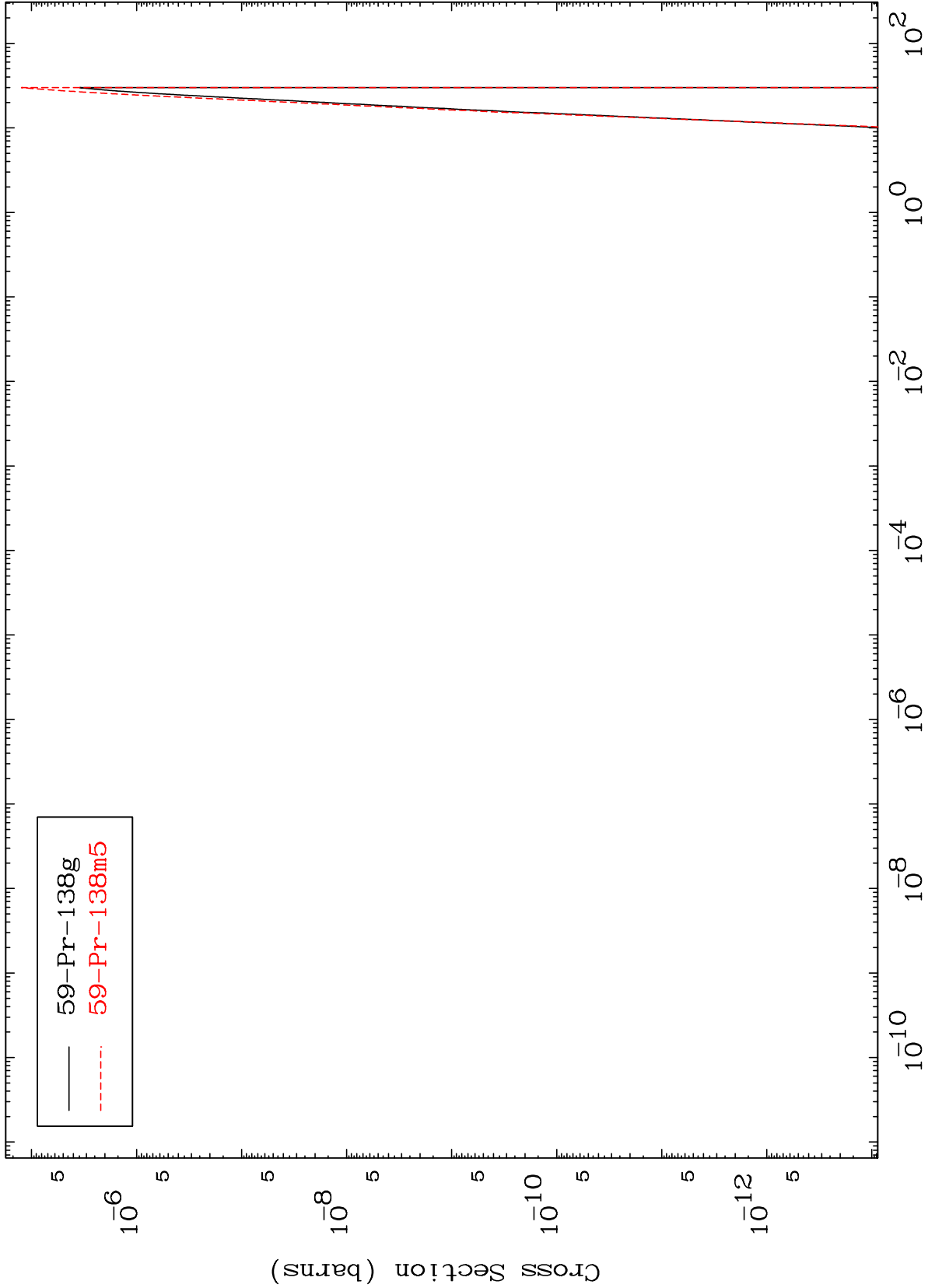
63-Eu-145

MAT 6307

(n,2α)

63-Eu-145

Radionuclide Production Cross Section



59-Pr-138g  
59-Pr-138m5

134

Incident Energy (MeV)

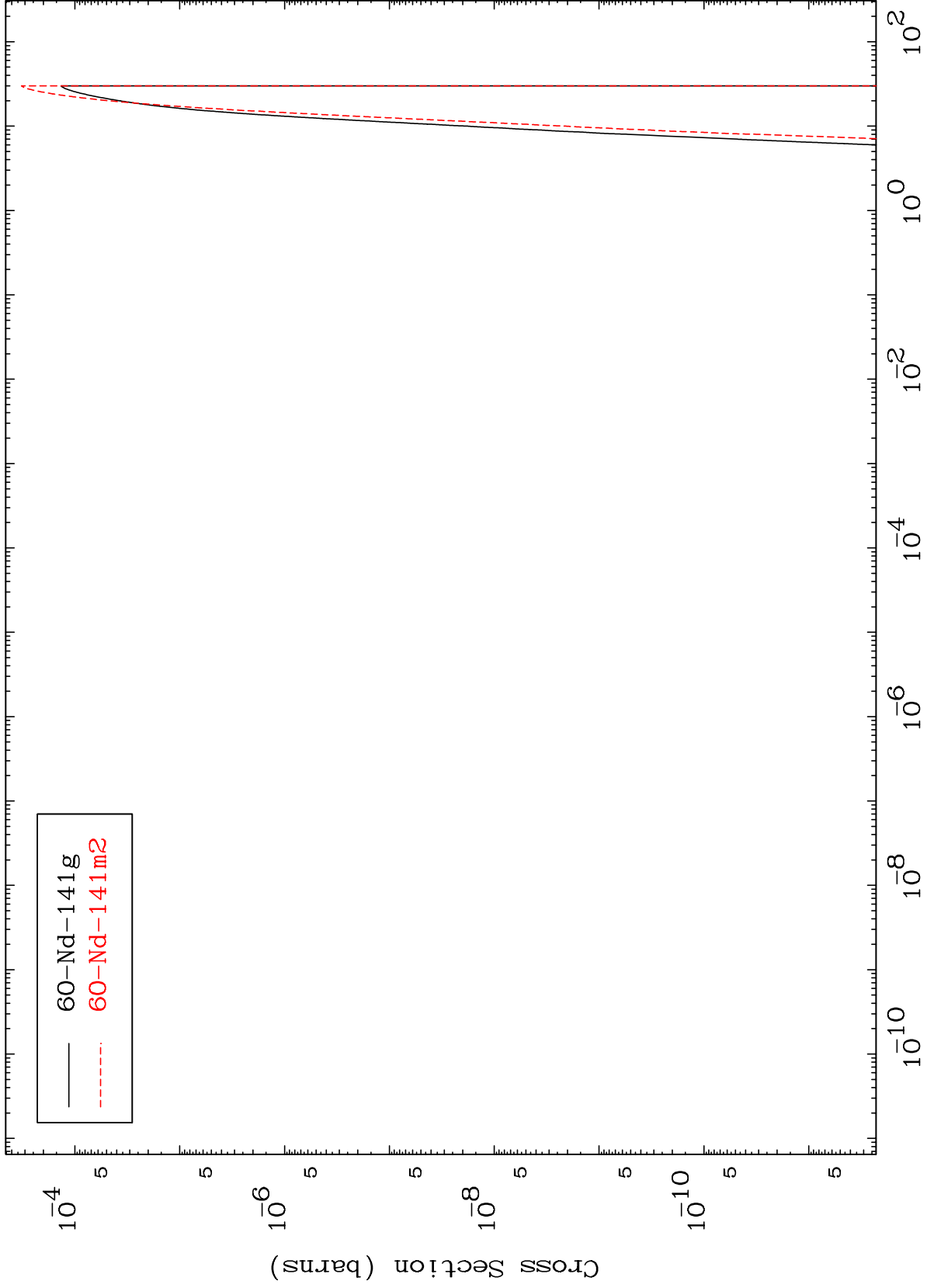
63-Eu-145

MAT 6307

(n,p)  $\alpha$

$^{63}\text{Eu}-145$

Radionuclide Production Cross Section



135

Incident Energy (MeV)

$^{63}\text{Eu}-145$