

Program EVALPLOT  
(Version 2017-1)

by

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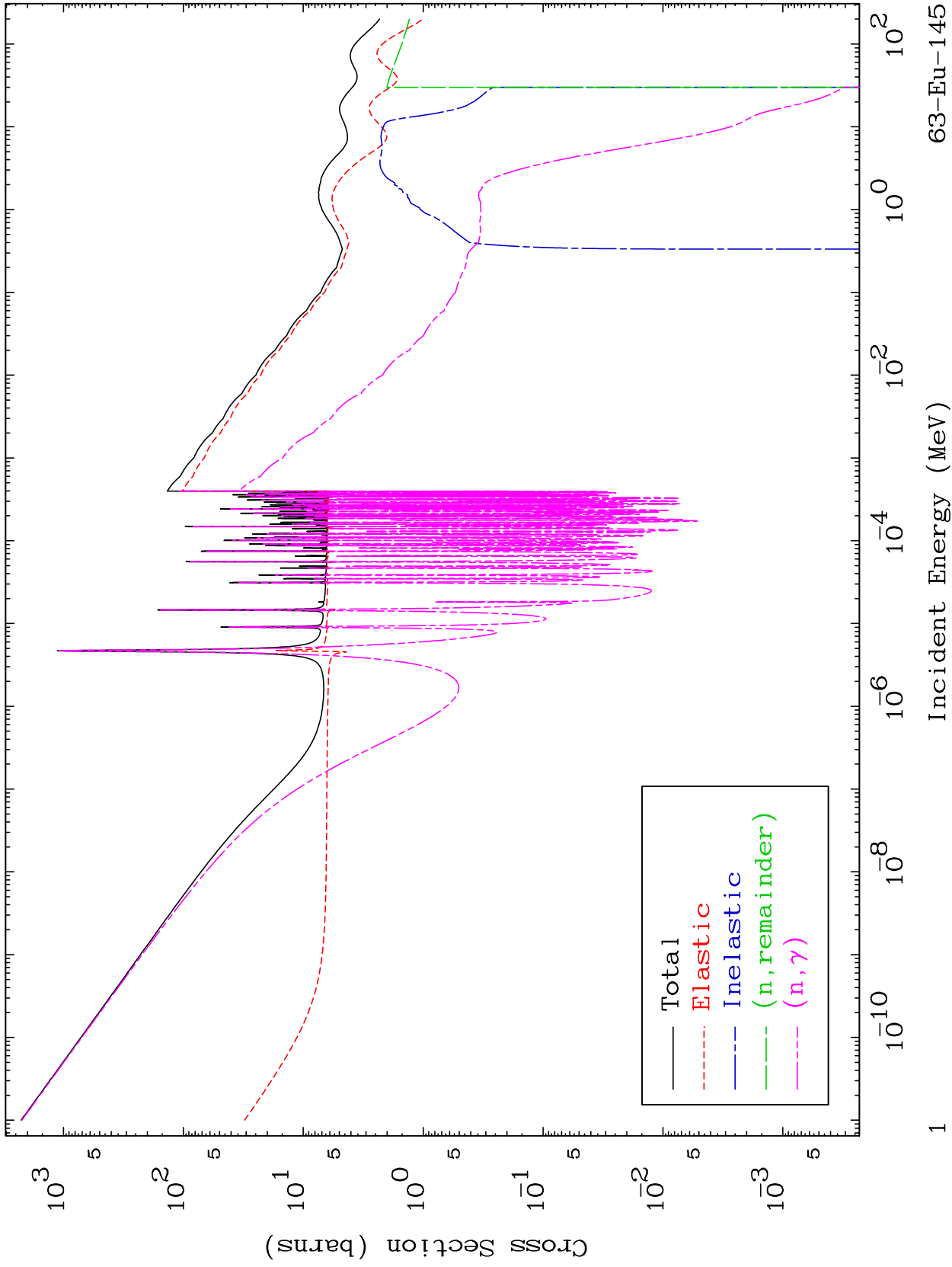
Press Mouse Button to Start

MAT 6307

Major

293 Kelvin Cross Sections

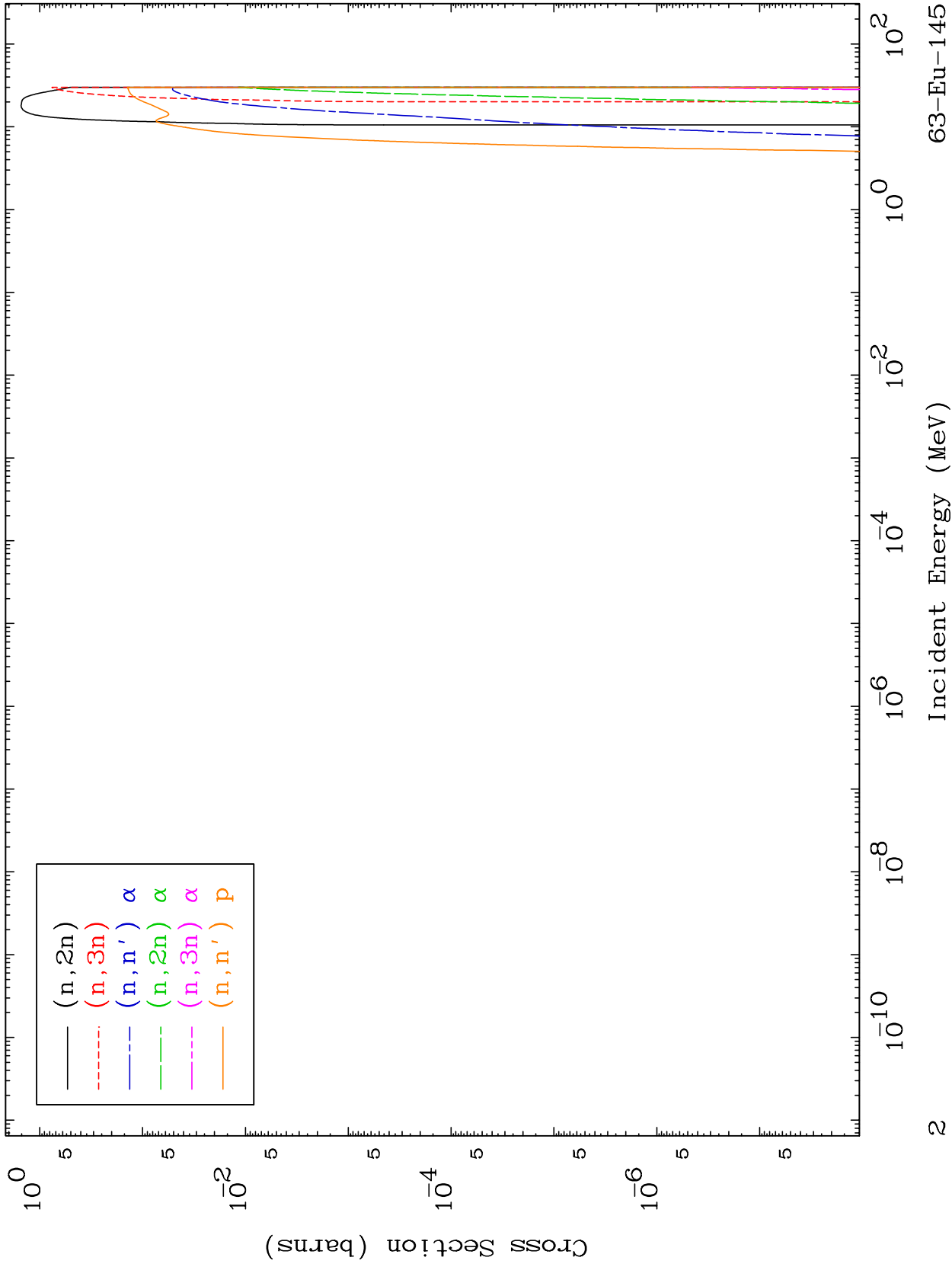
63-Eu-145



MAT 6307

Neutron Production  
293 Kelvin Cross Sections

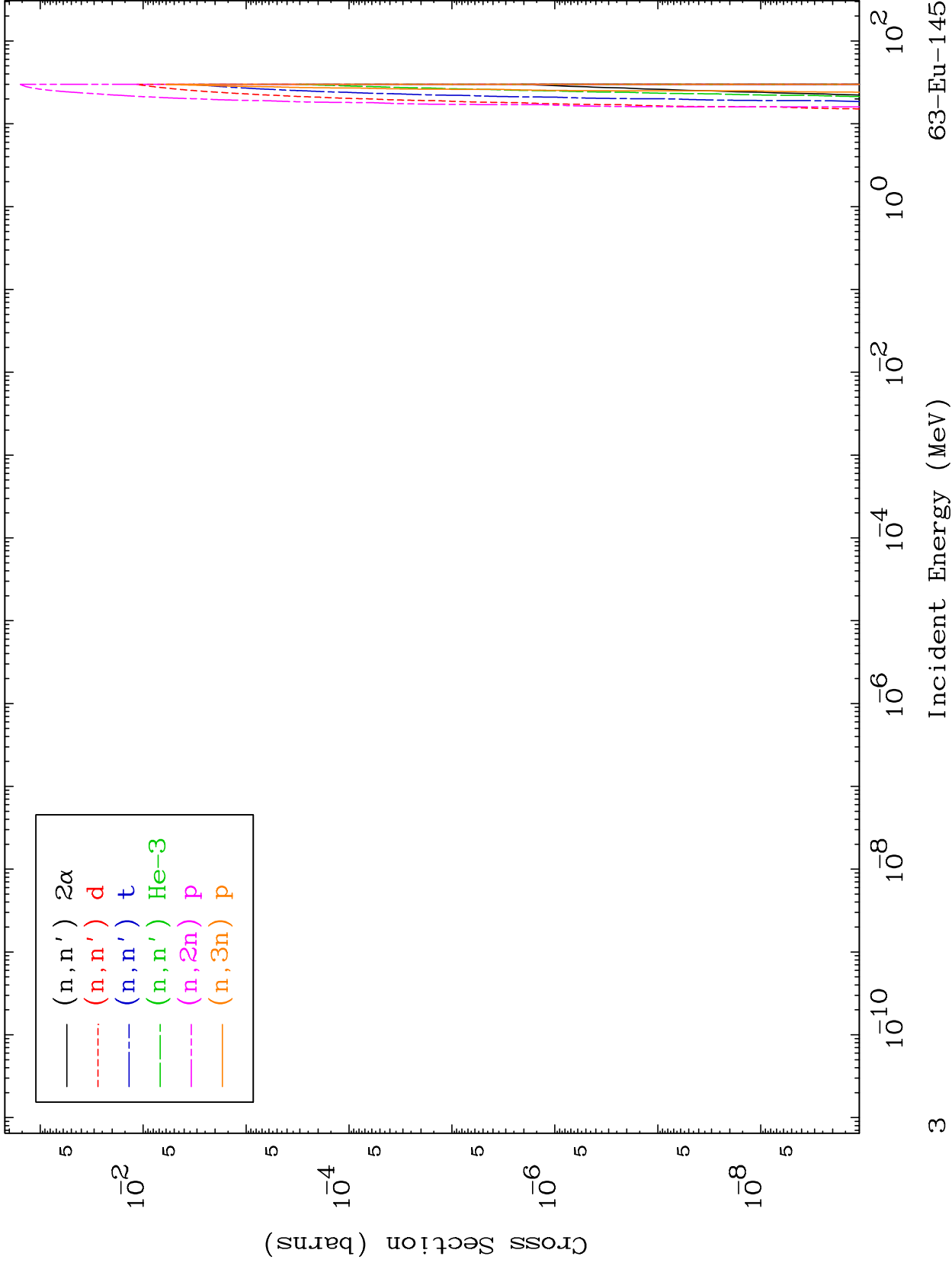
63-Eu-145



MAT 6307

Neutron Production  
293 Kelvin Cross Sections

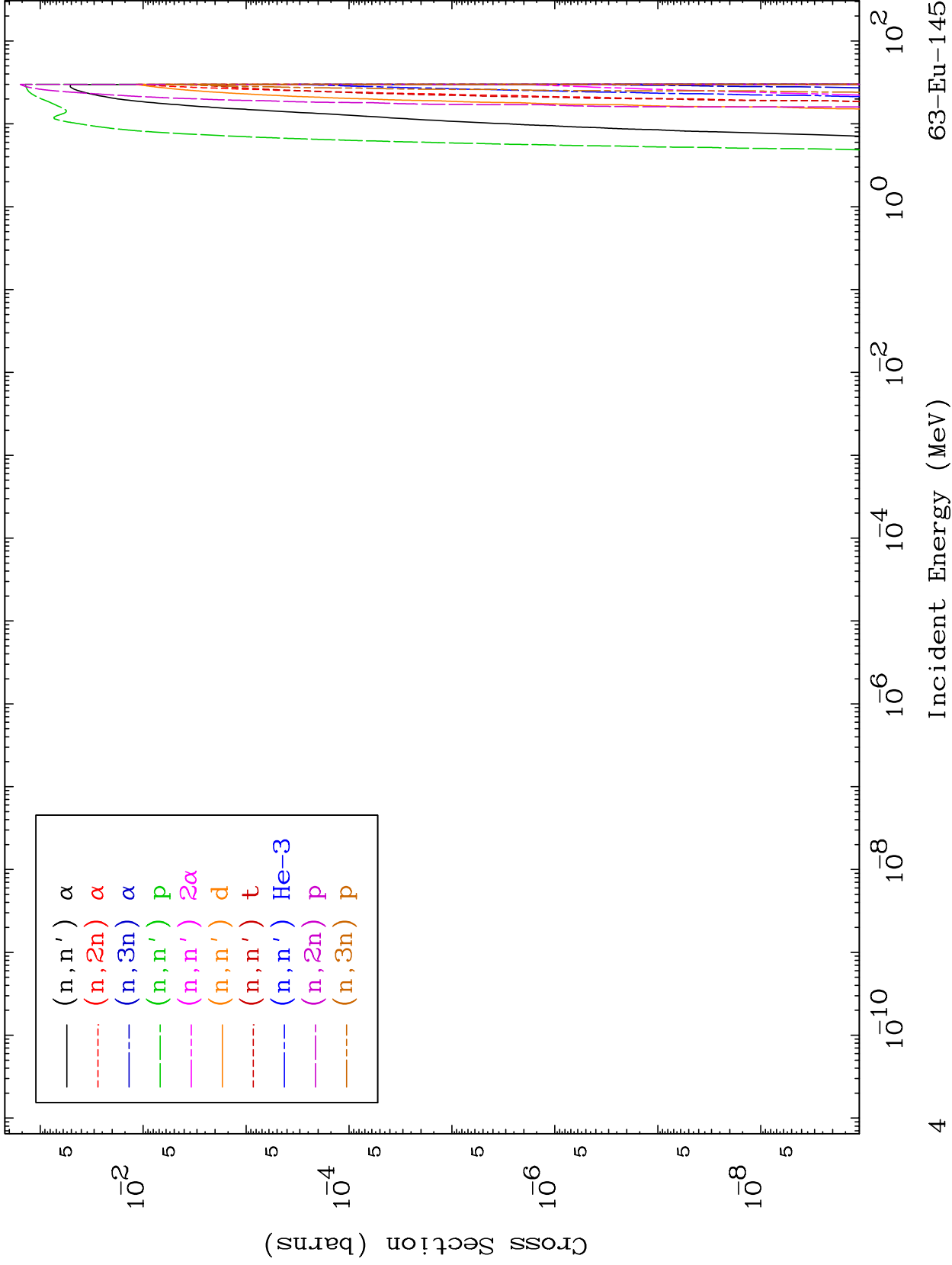
63-Eu-145



MAT 6307

Charged Particle  
293 Kelvin Cross Sections

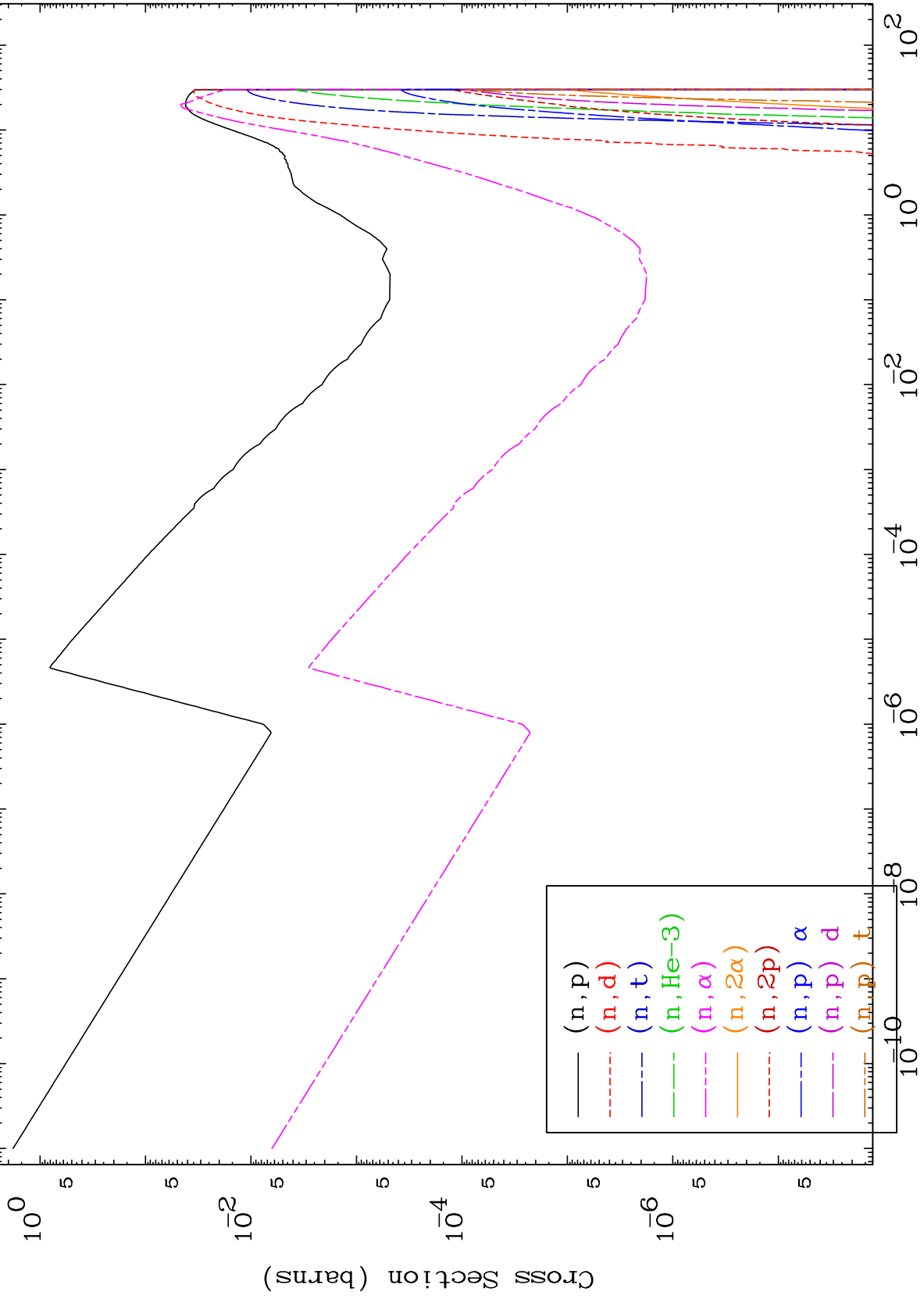
63-Eu-145



MAT 6307

Charged Particle  
293 Kelvin Cross Sections

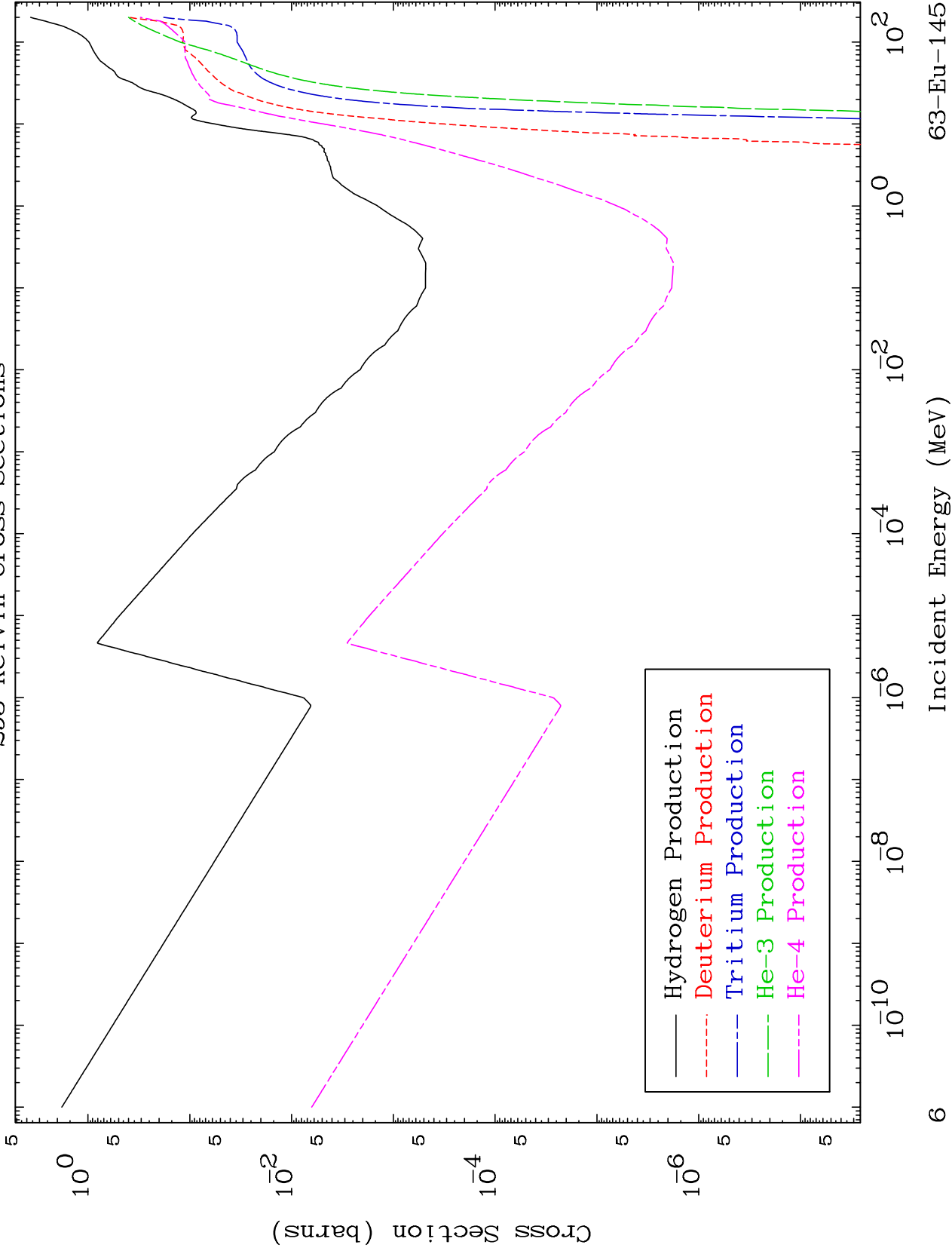
63-Eu-145



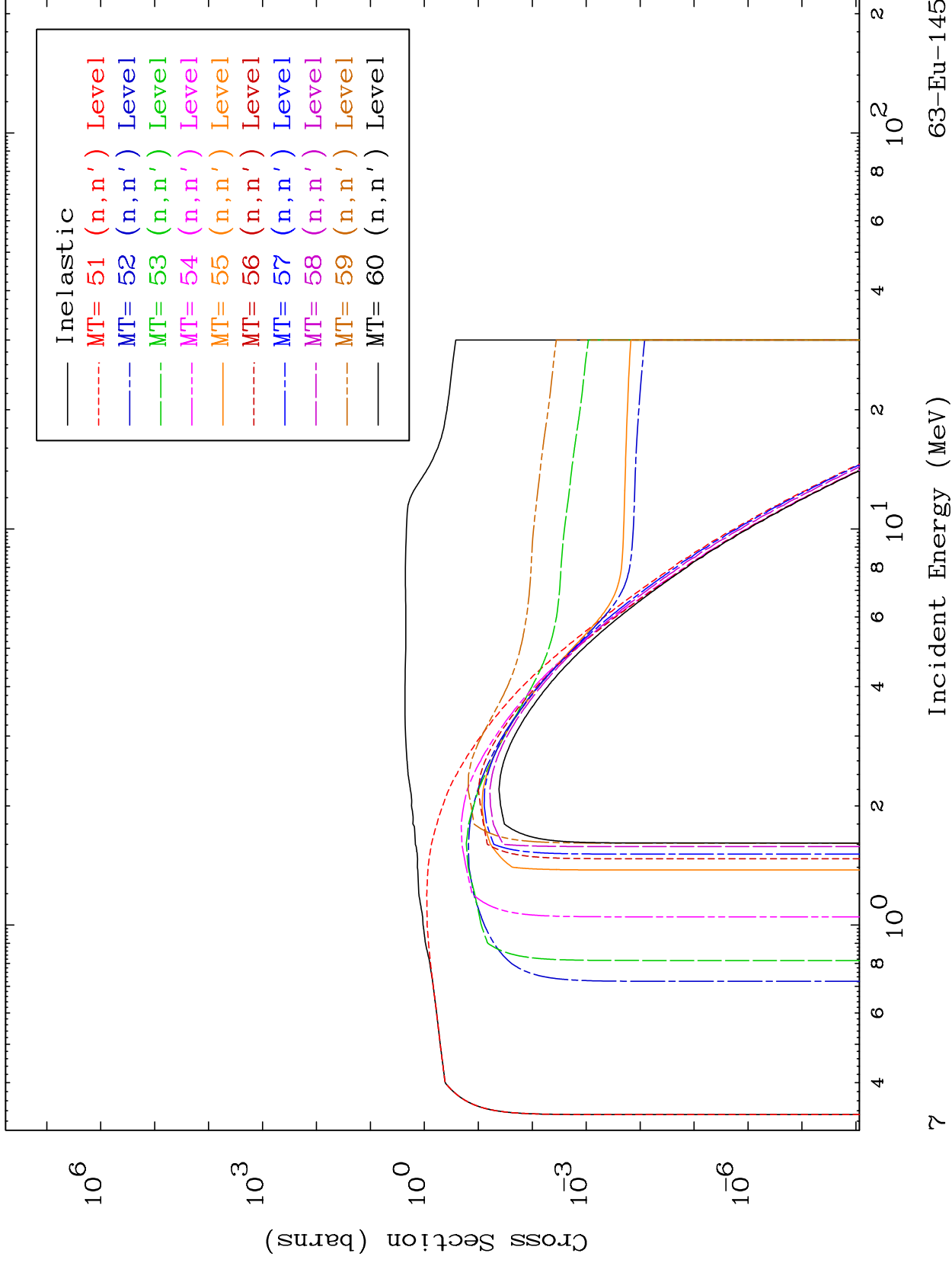
MAT 6307

Particle Production  
293 Kelvin Cross Sections

63-Eu-145



293 Kelvin Cross Sections



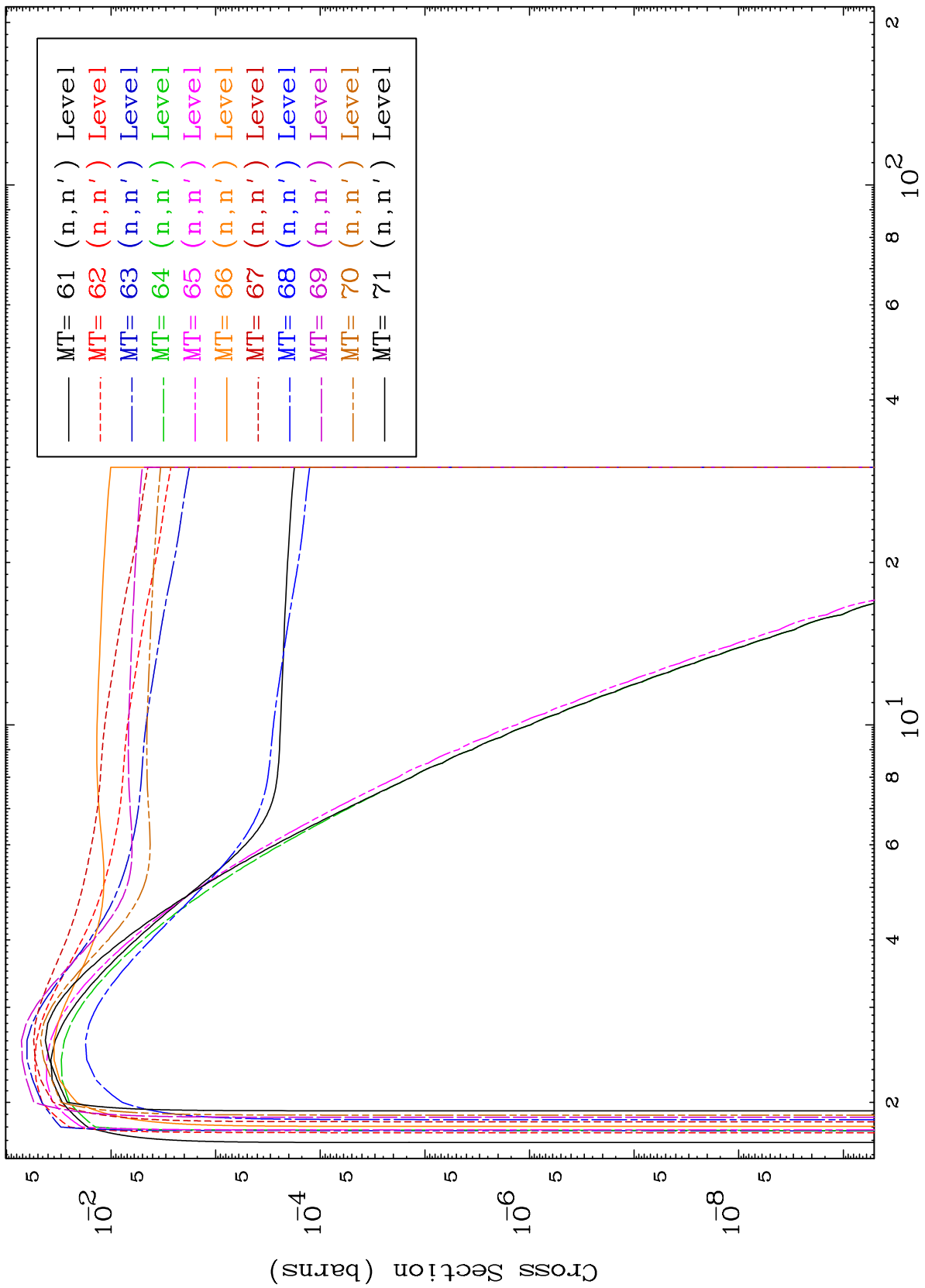


MAT 6307

(n,n') Level

63-Eu-145

293 Kelvin Cross Sections

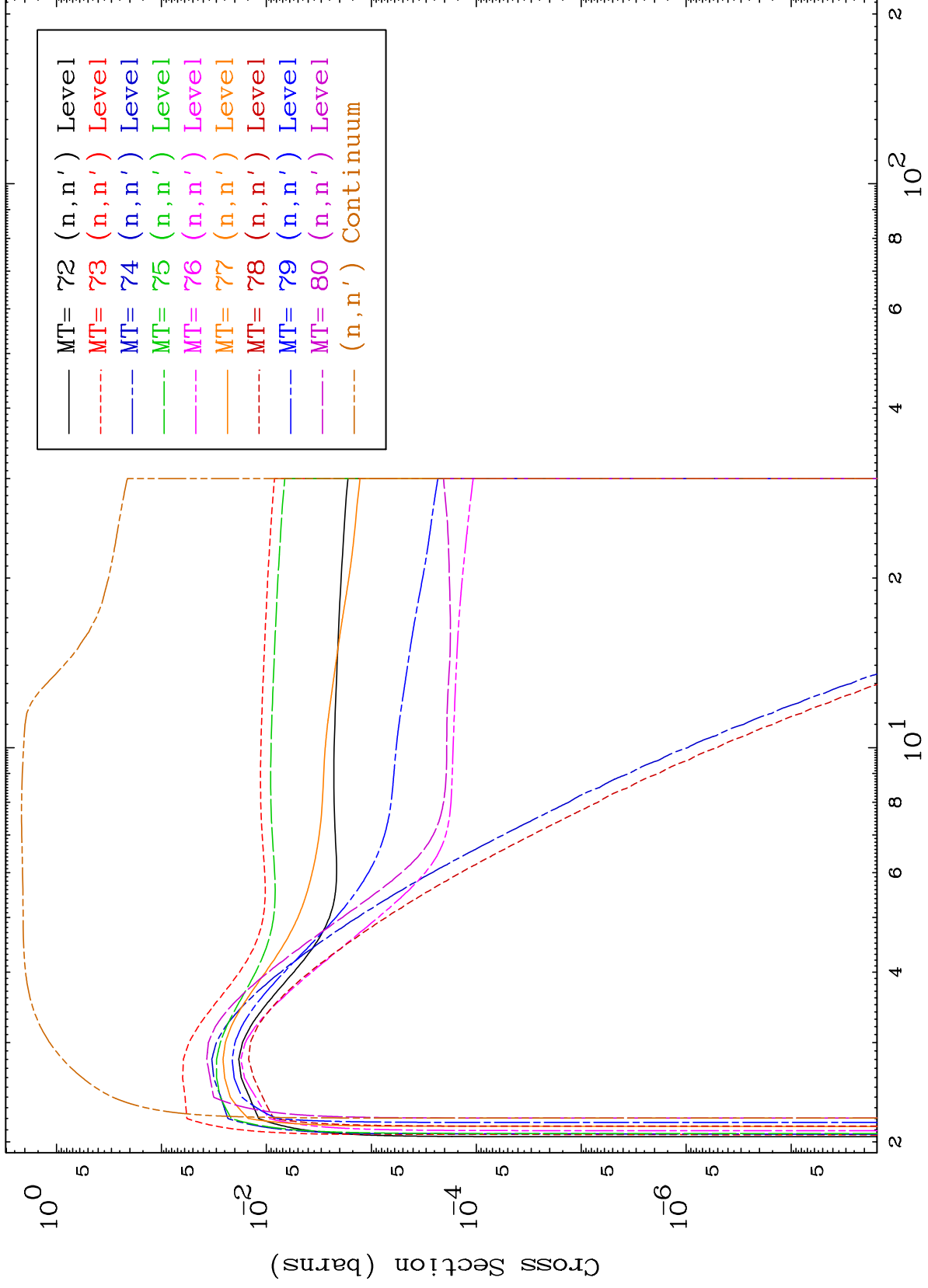


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Incident Energy (MeV)

63-Eu-145

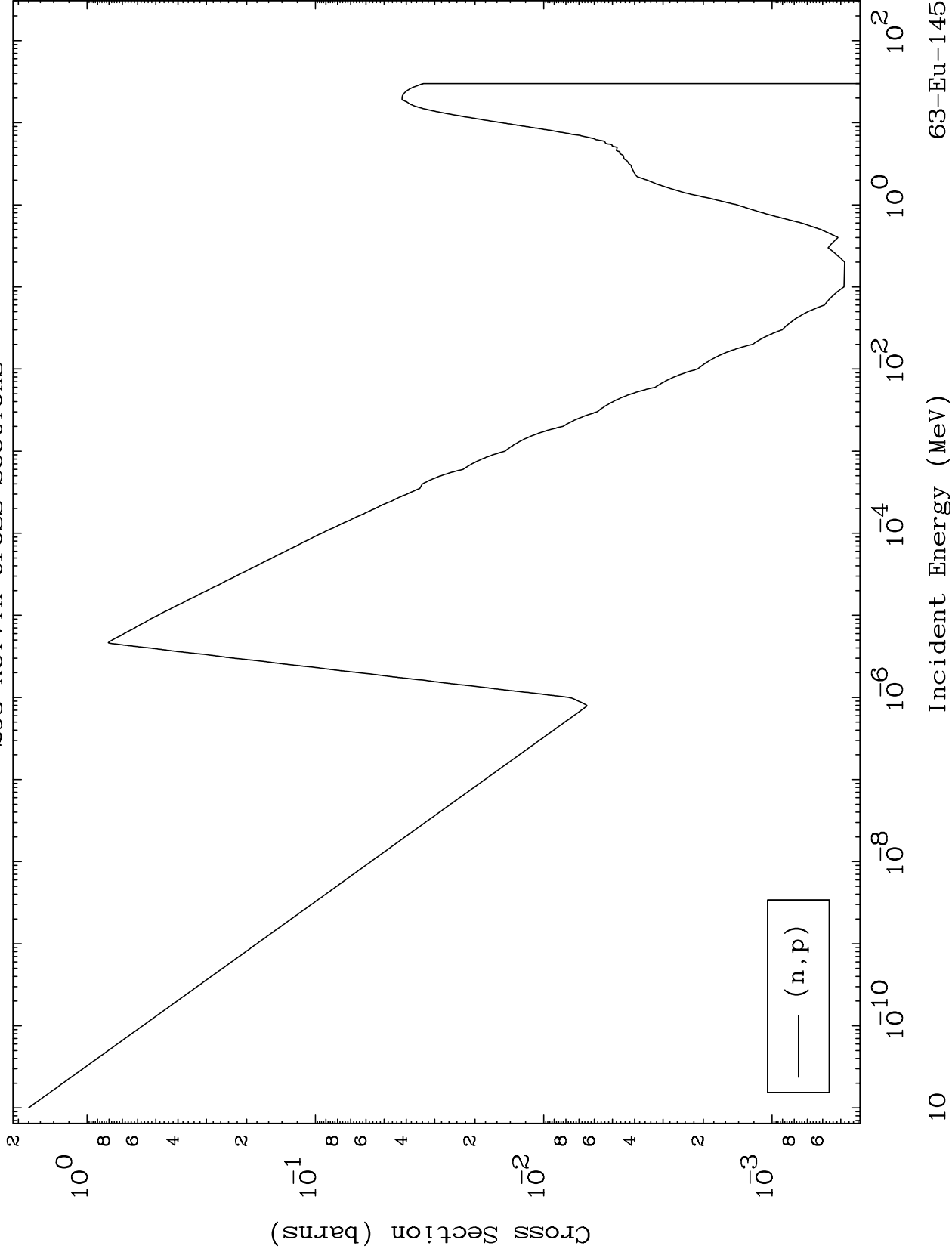
293 Kelvin Cross Sections



MAT 6307

(n,p) Levels  
293 Kelvin Cross Sections

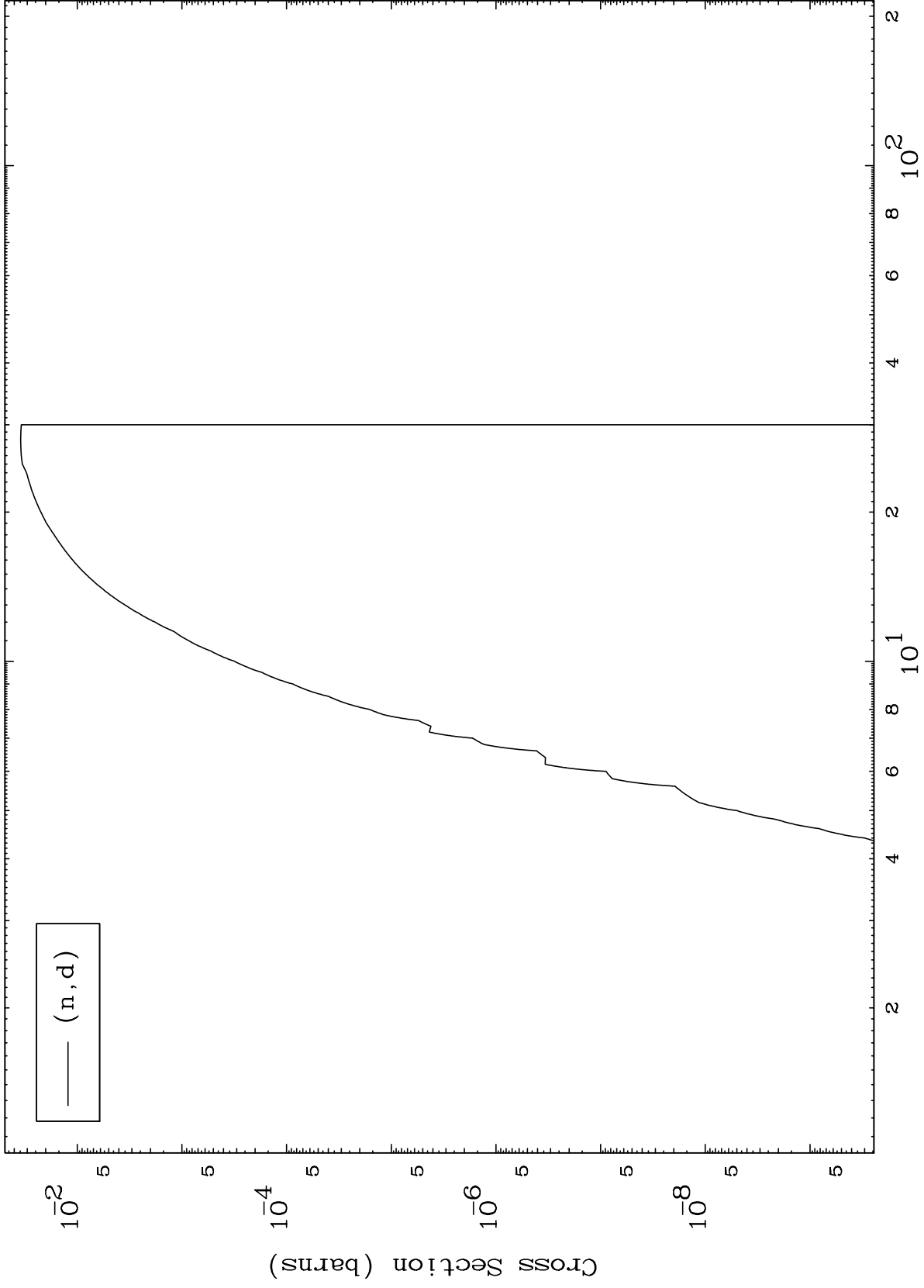
63-Eu-145



MAT 6307

(n,d) Levels  
293 Kelvin Cross Sections

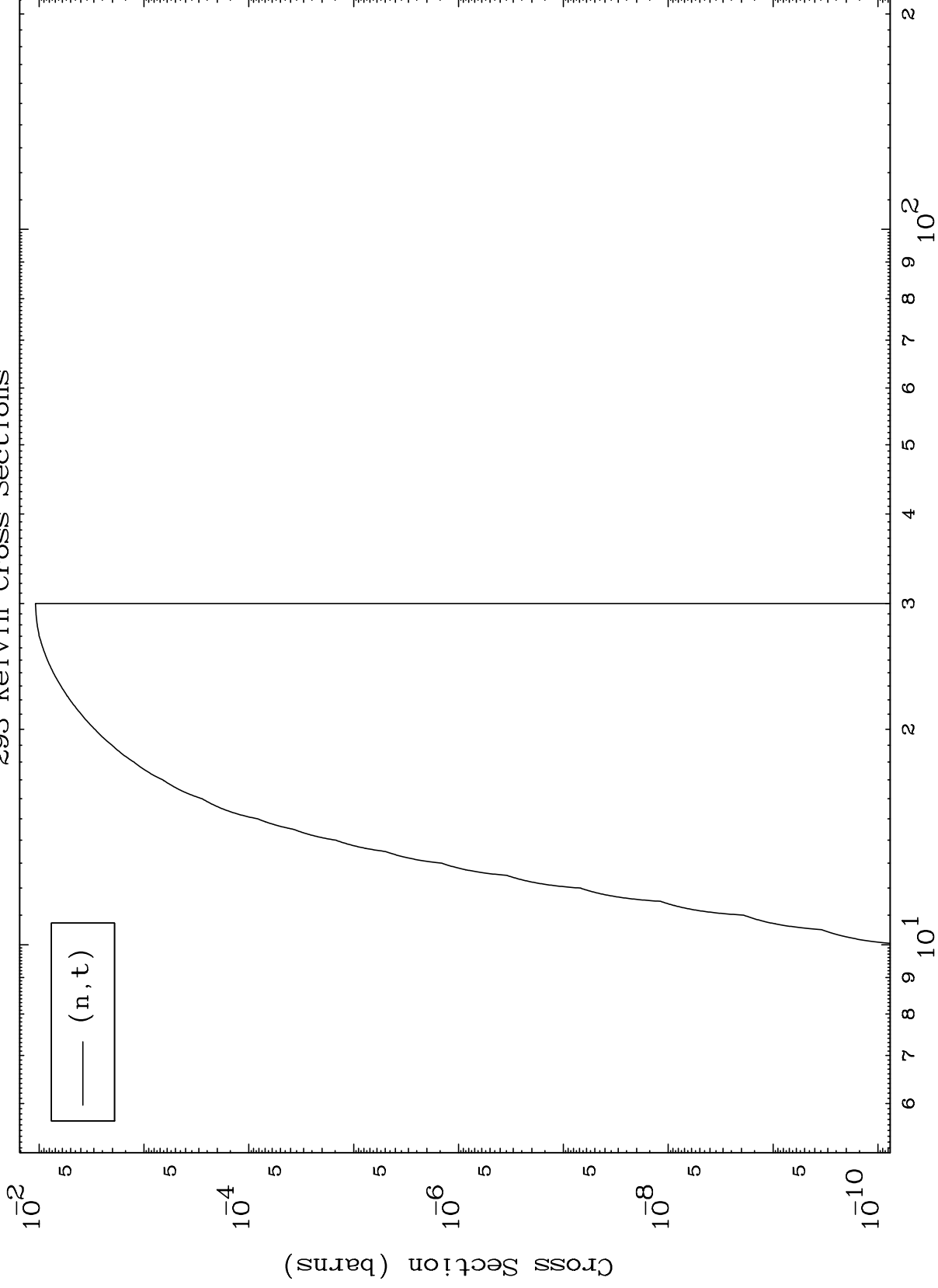
63-Eu-145



MAT 6307

(n,t) Levels  
293 Kelvin Cross Sections

63-Eu-145



12

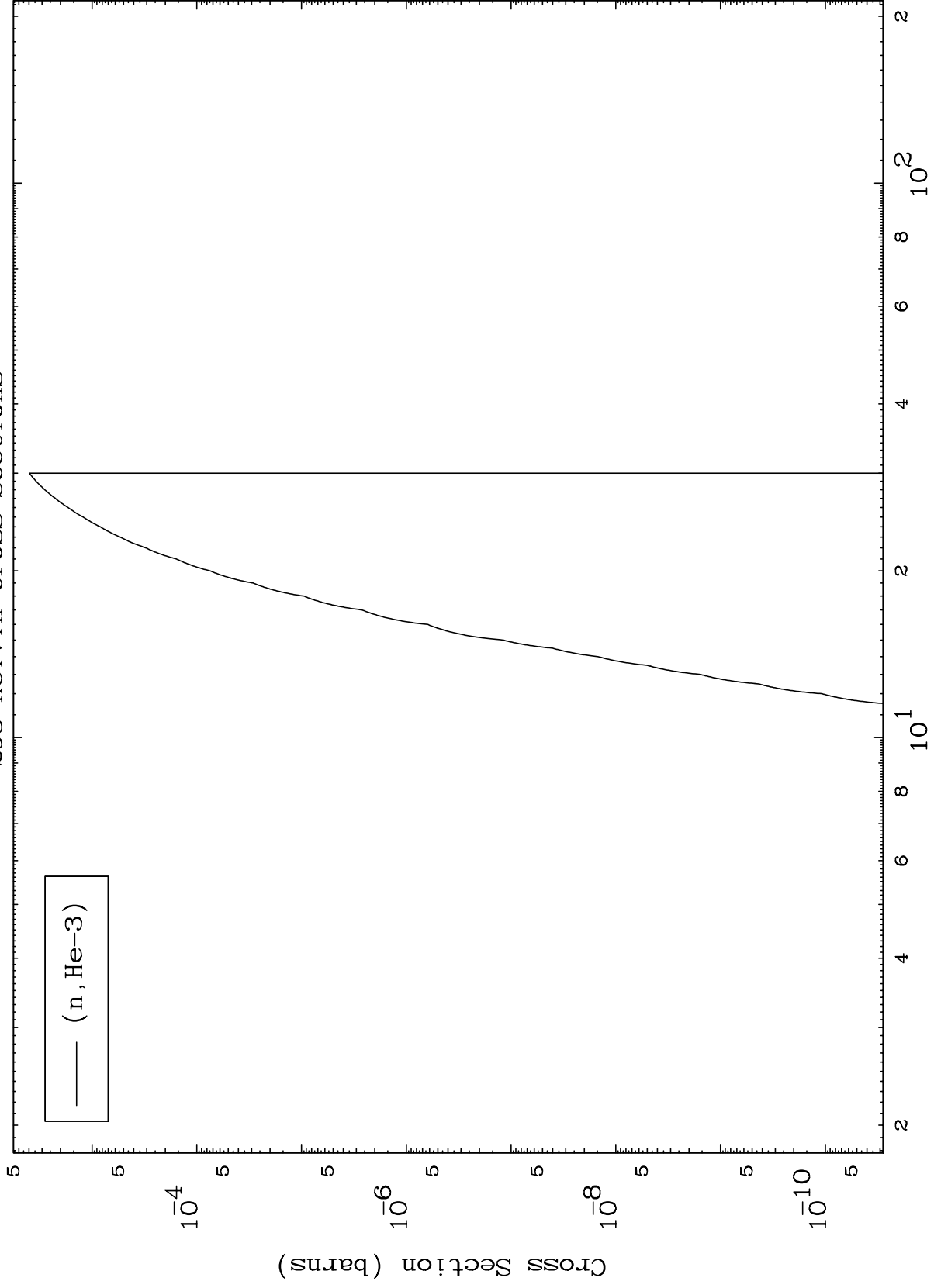
Incident Energy (MeV)

63-Eu-145

MAT 6307

(n,He3) Levels  
293 Kelvin Cross Sections

63-Eu-145



13

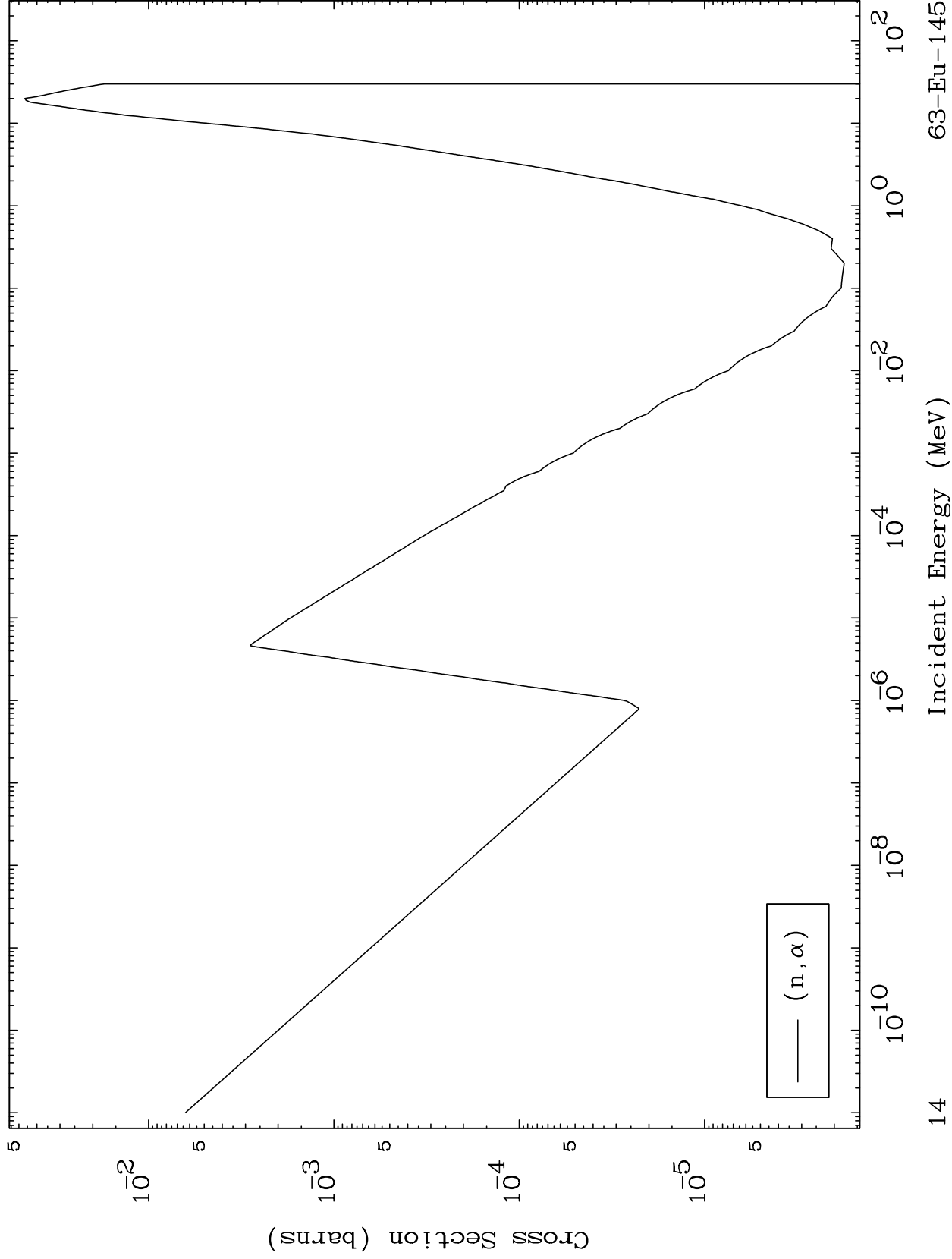
Incident Energy (MeV)

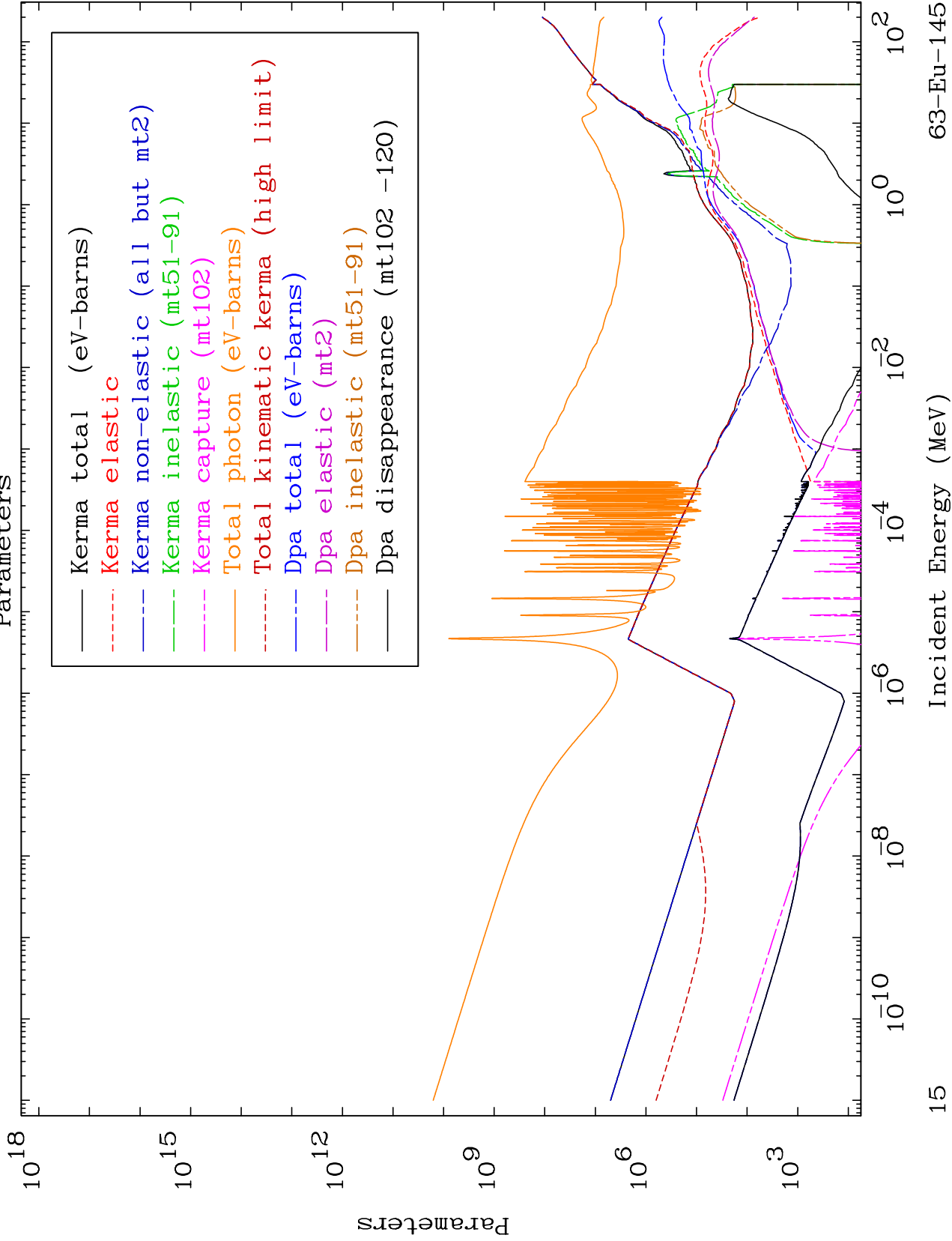
63-Eu-145

MAT 6307

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

63-Eu-145



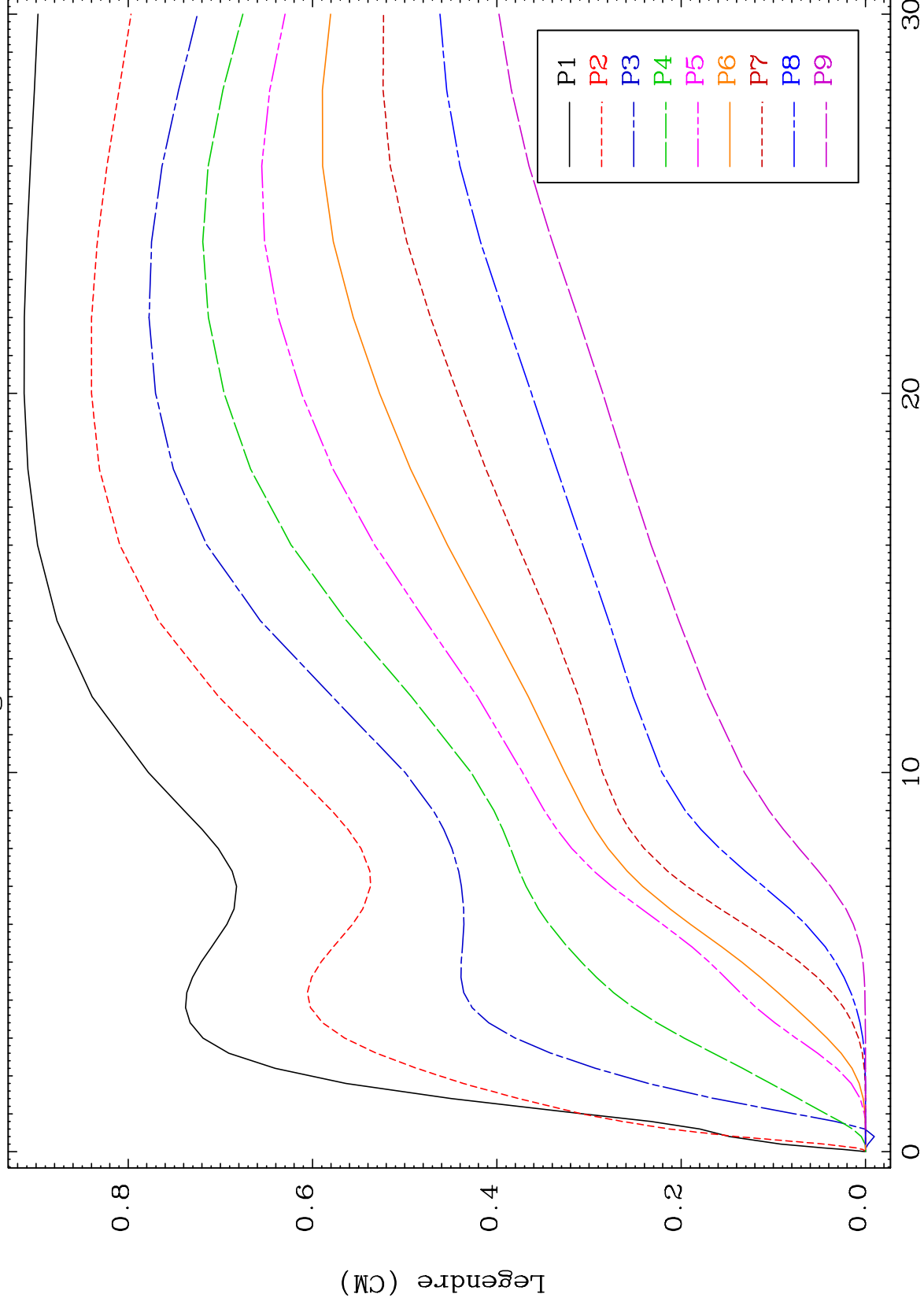




MAT 6307

Elastic Legendre Coefficients

63-Eu-145



16

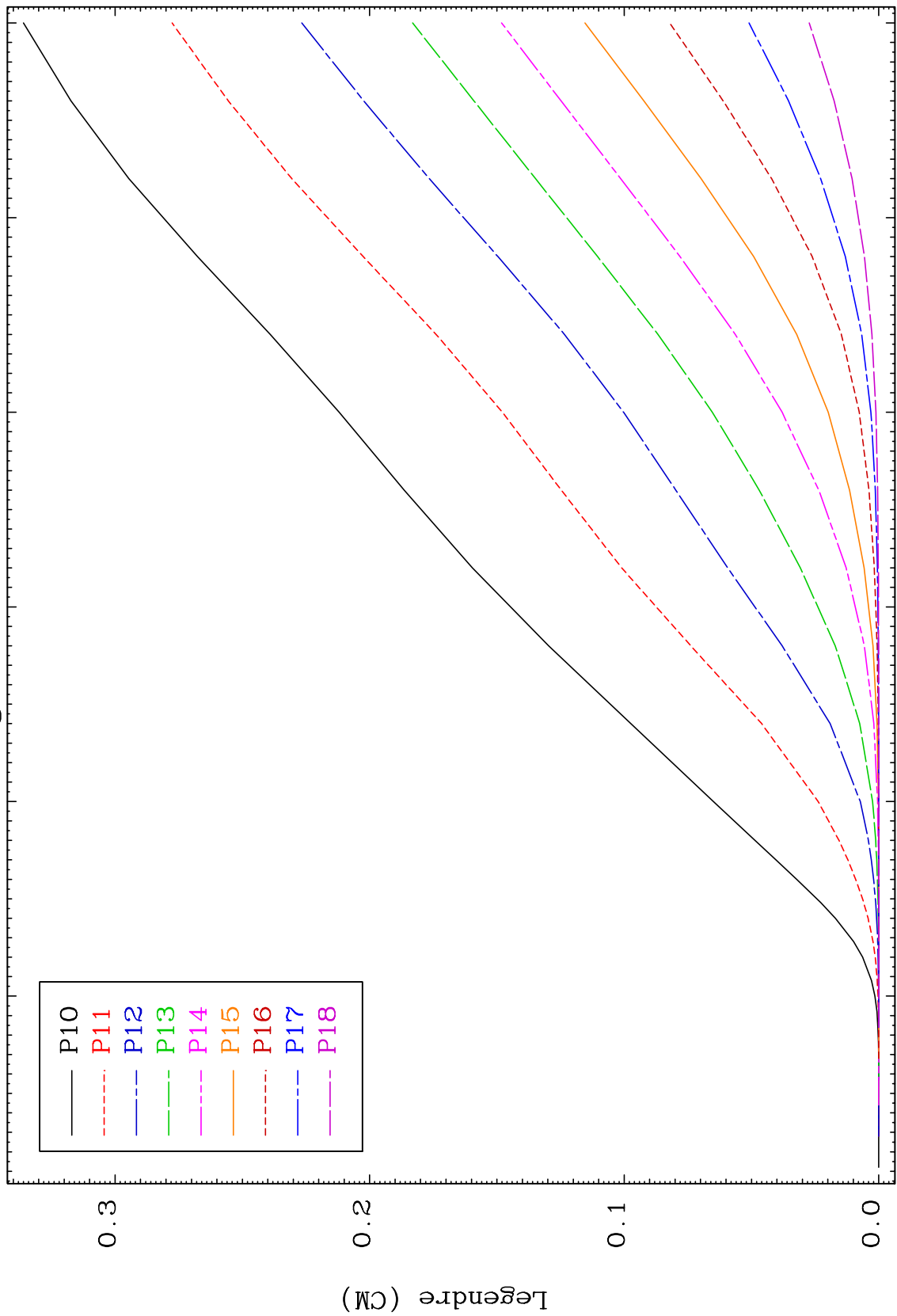
Incident Energy (MeV)

63-Eu-145

MAT 6307

Elastic Legendre Coefficients

63-Eu-145



17

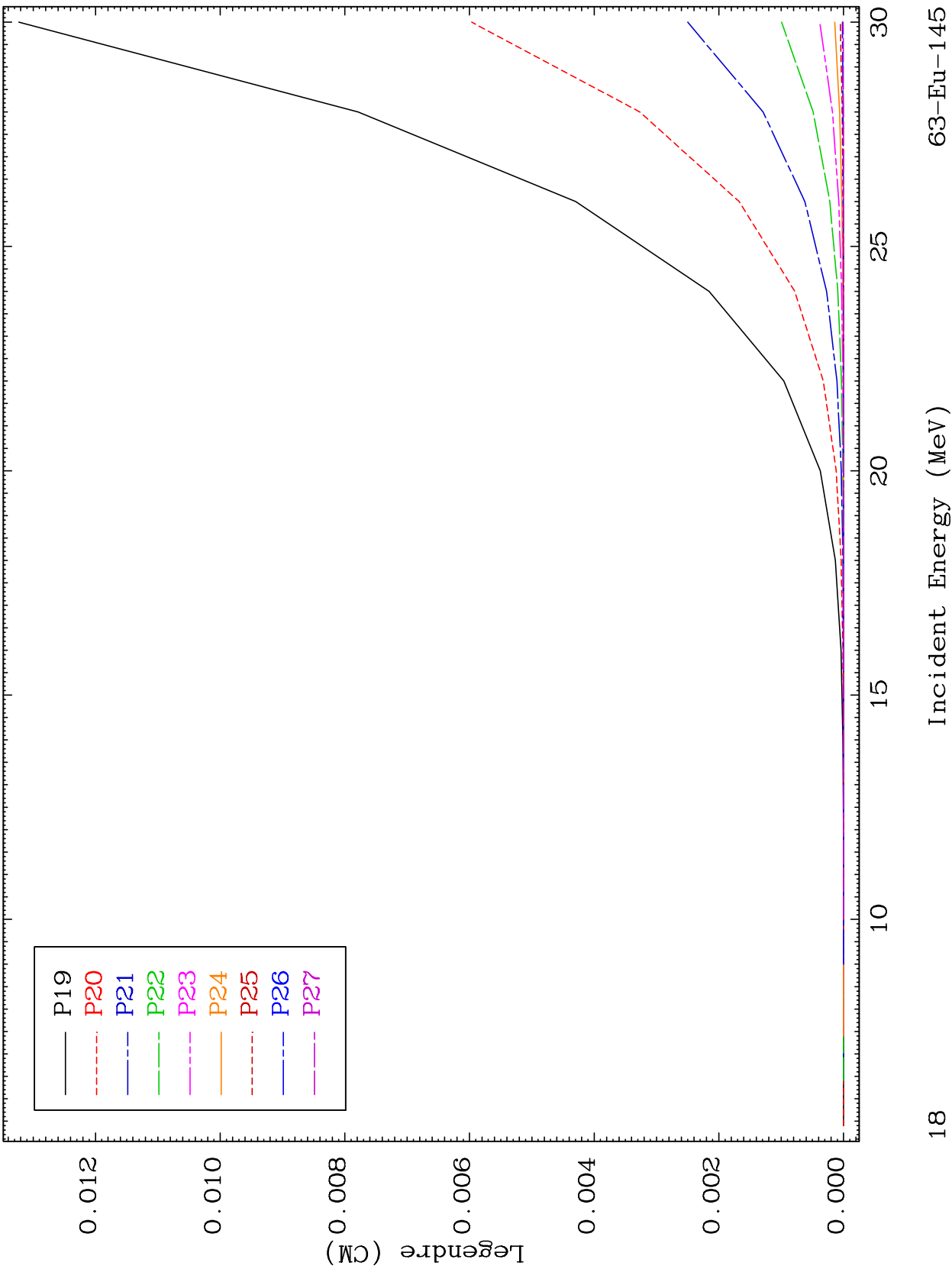
63-Eu-145

Incident Energy (MeV)

MAT 6307

### Elastic Legendre Coefficients

63-Eu-145



18

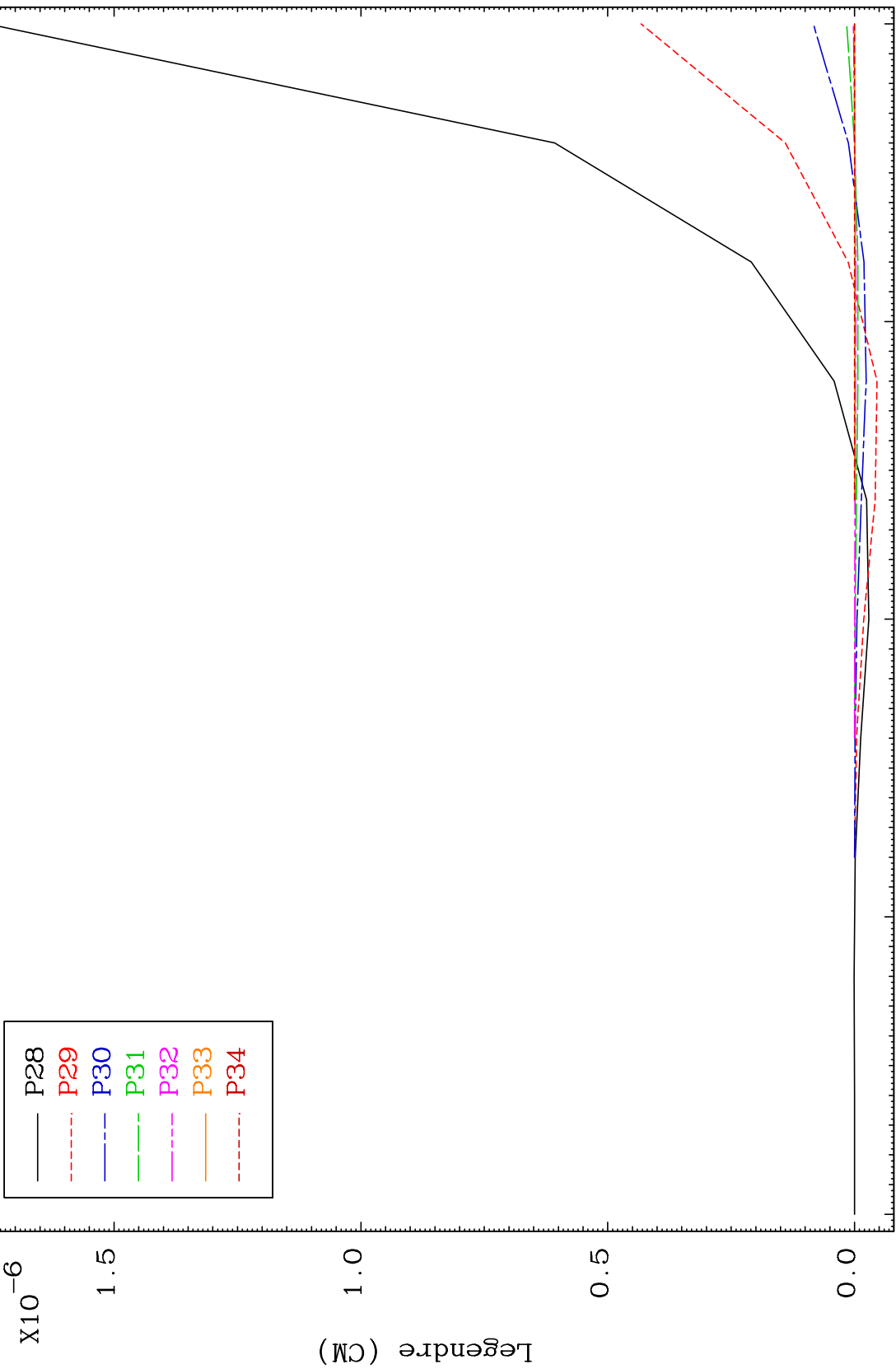
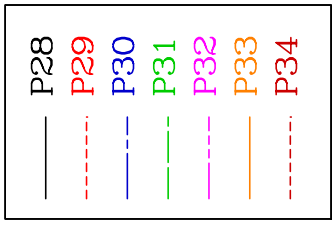
Incident Energy (MeV)

63-Eu-145

MAT 6307

Elastic Legendre Coefficients

<sup>63</sup>-Eu-145



19

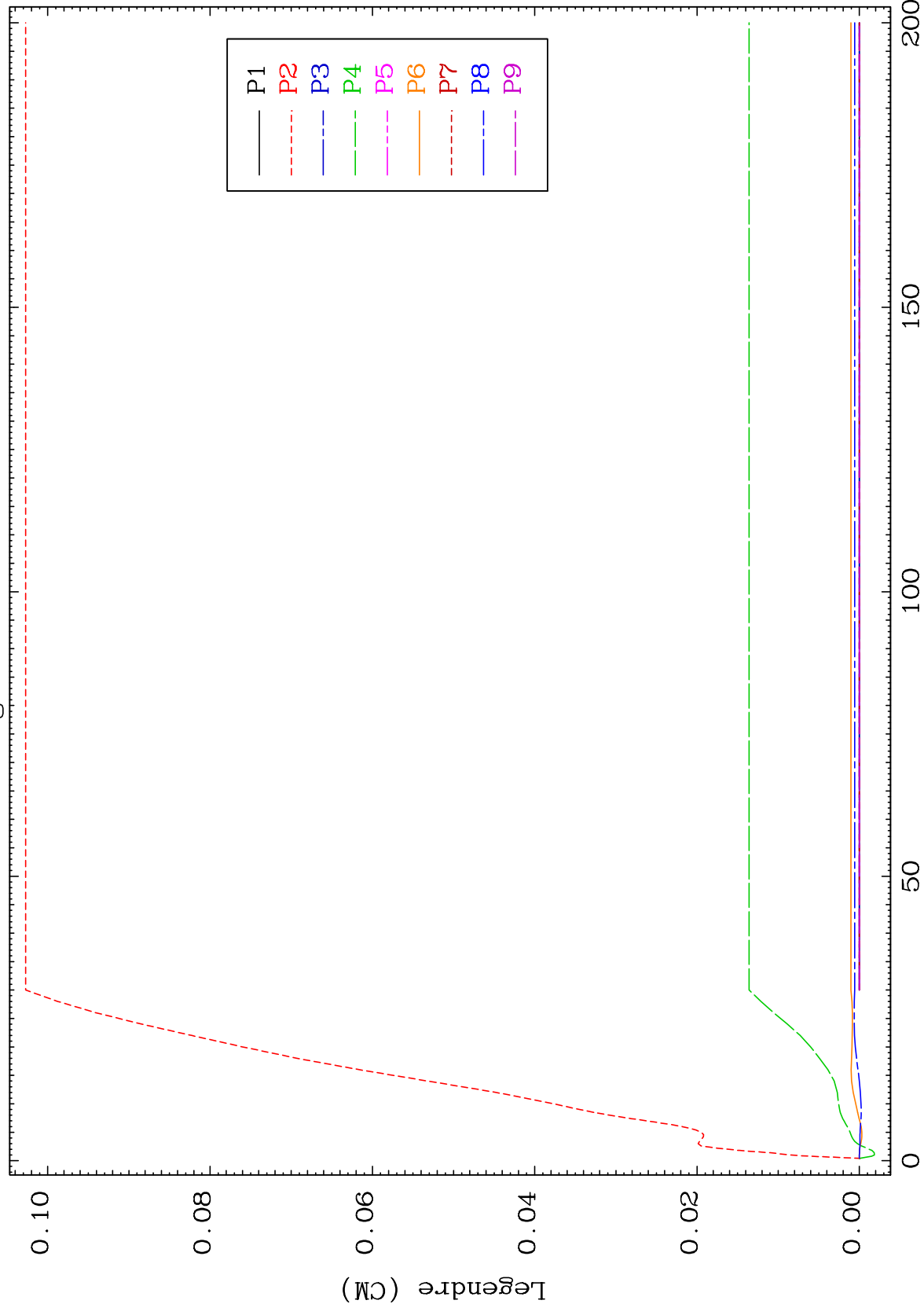
Incident Energy (MeV)

<sup>63</sup>-Eu-145

MAT 6307

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

63-Eu-145



63-Eu-145

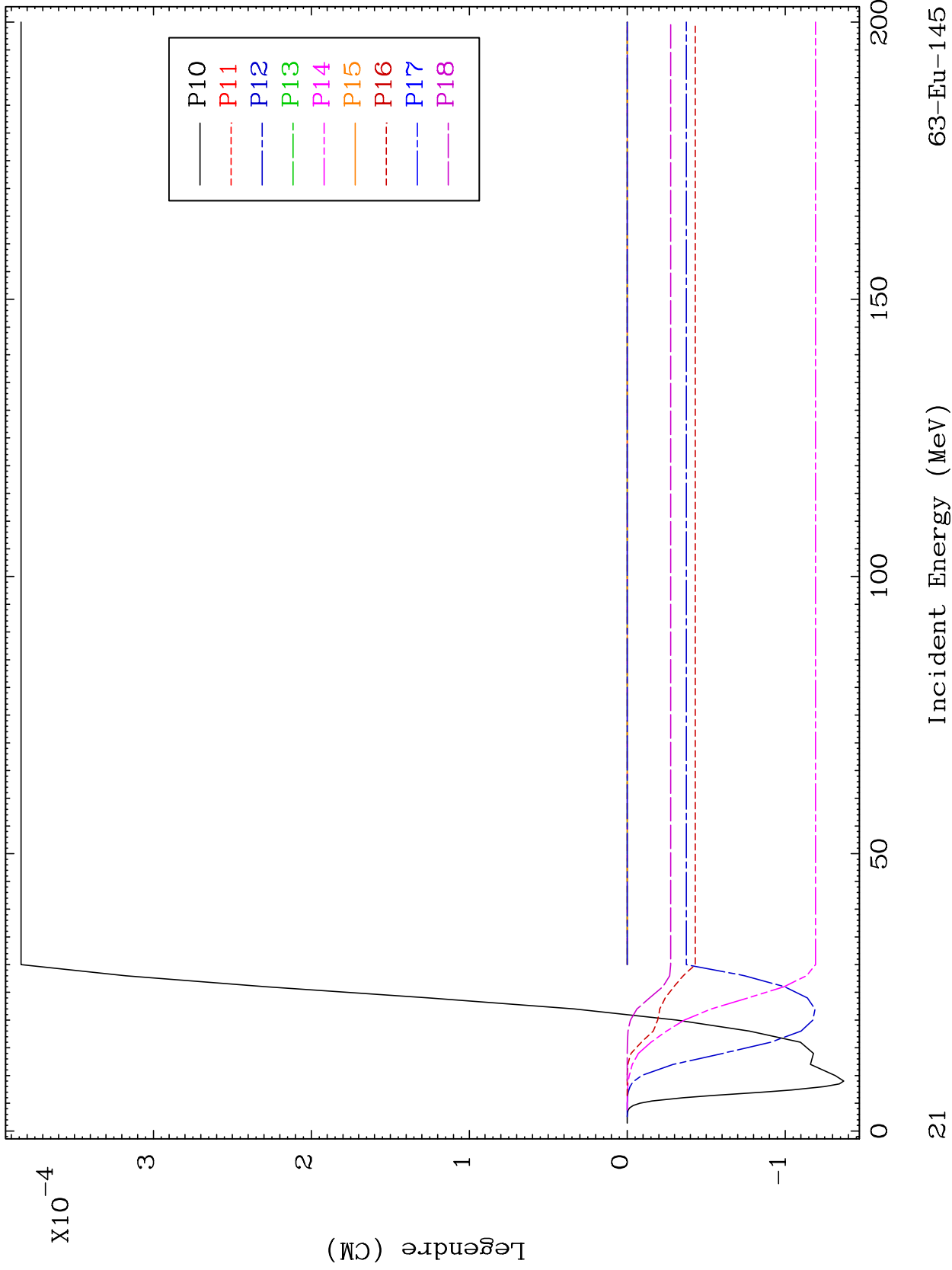
Incident Energy (MeV)

20

MAT 6307

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

63-Eu-145



21

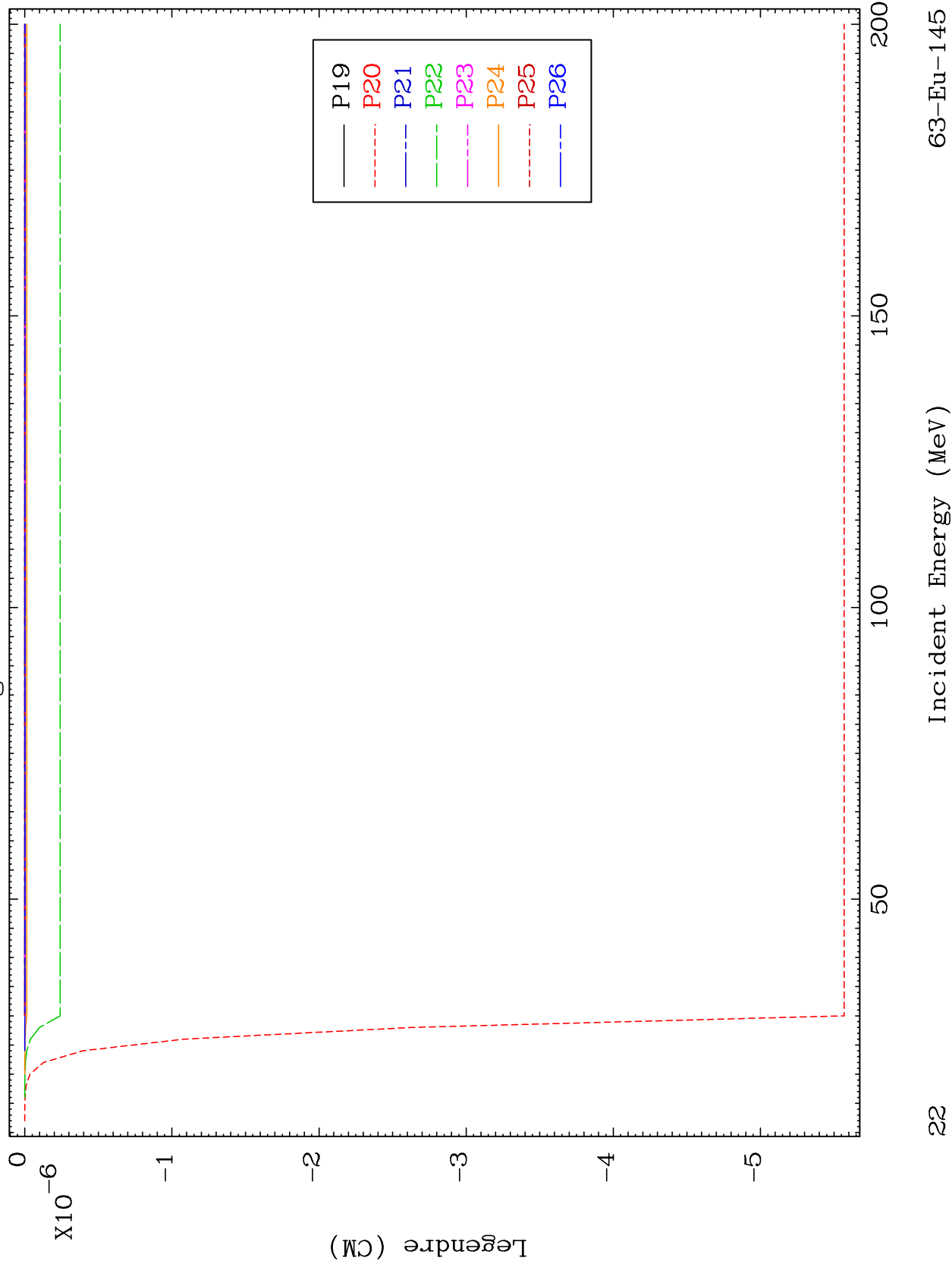
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



22

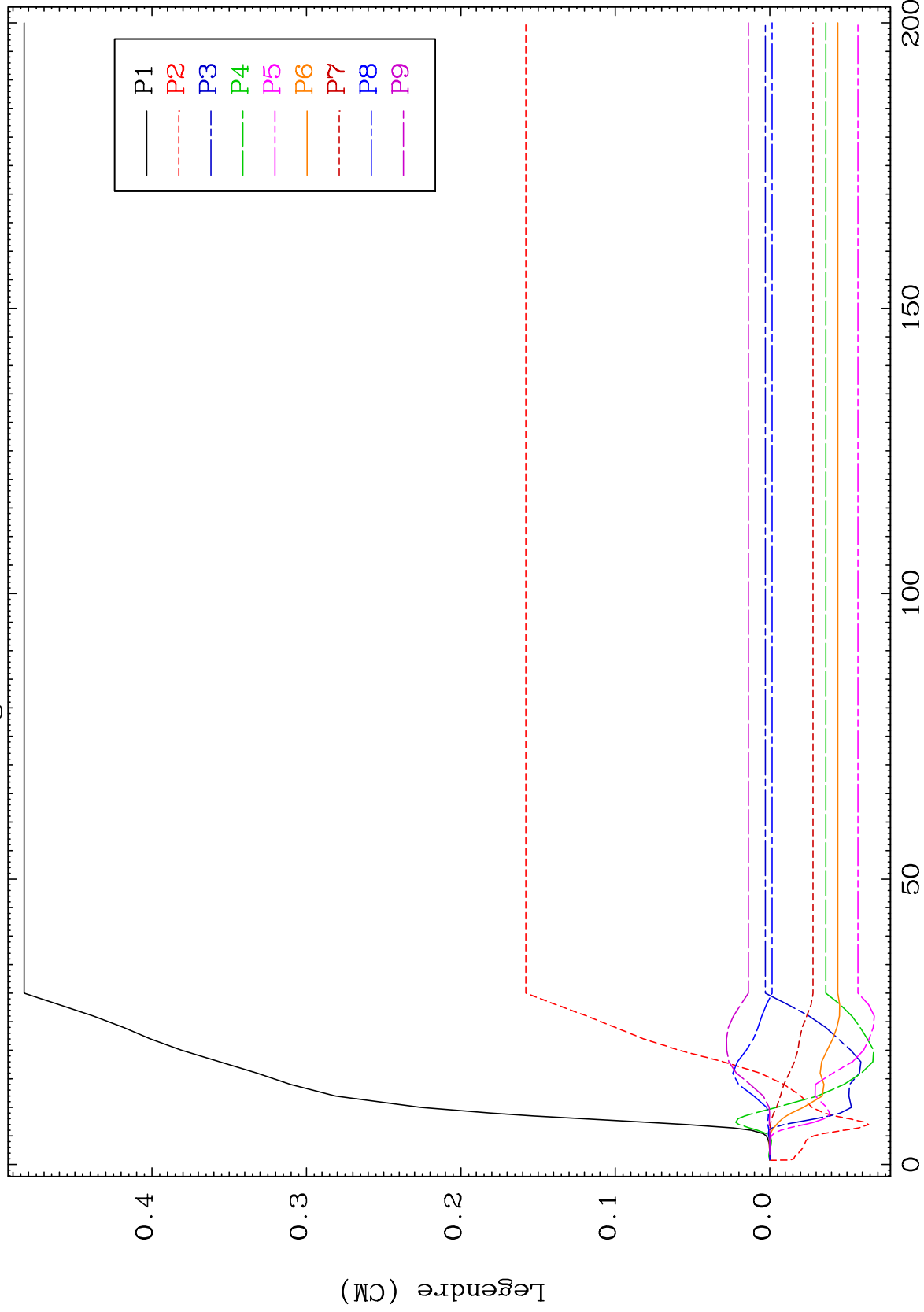
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



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Incident Energy (MeV)

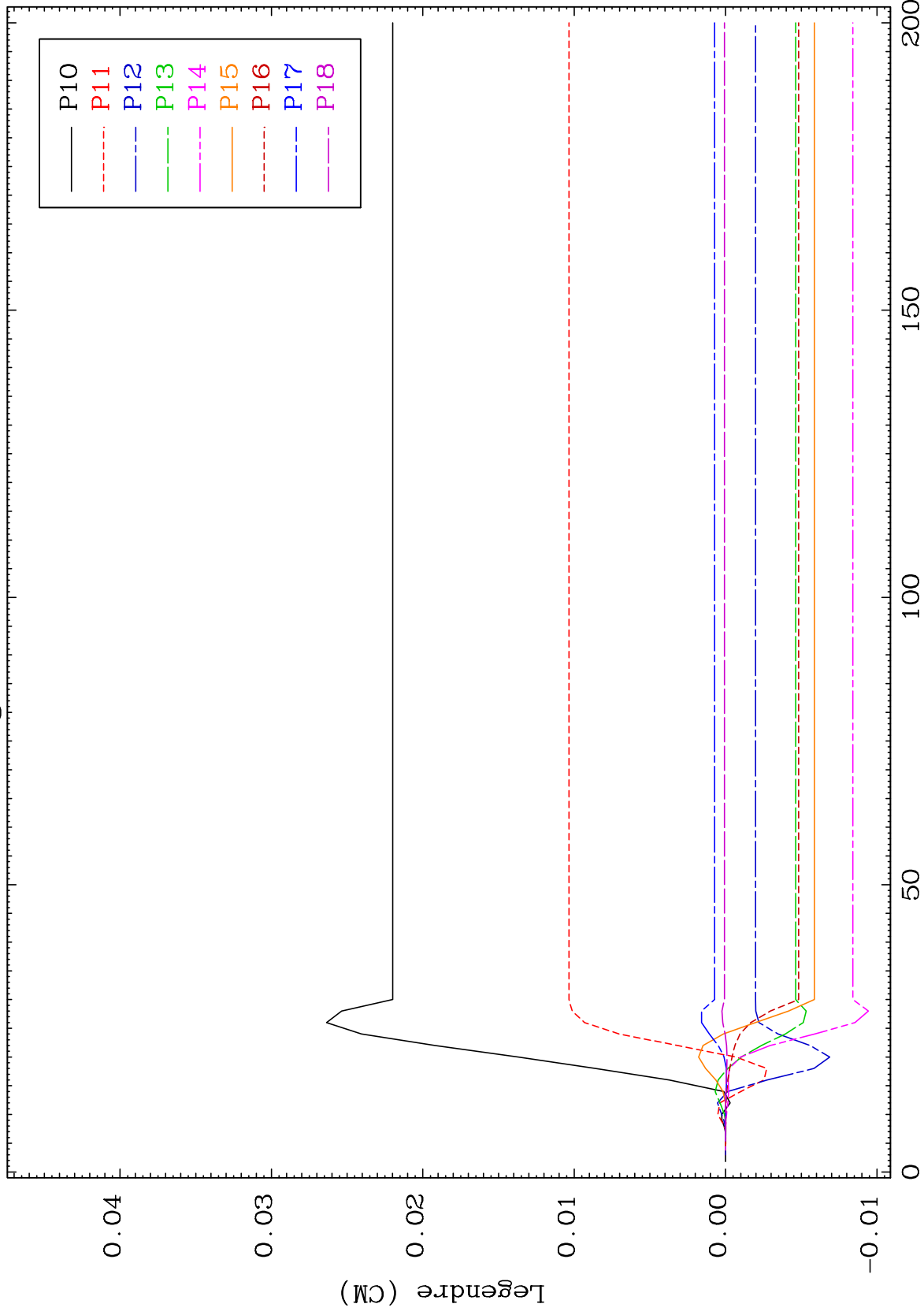
63-Eu-145



MAT 6307

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

63-Eu-145



24

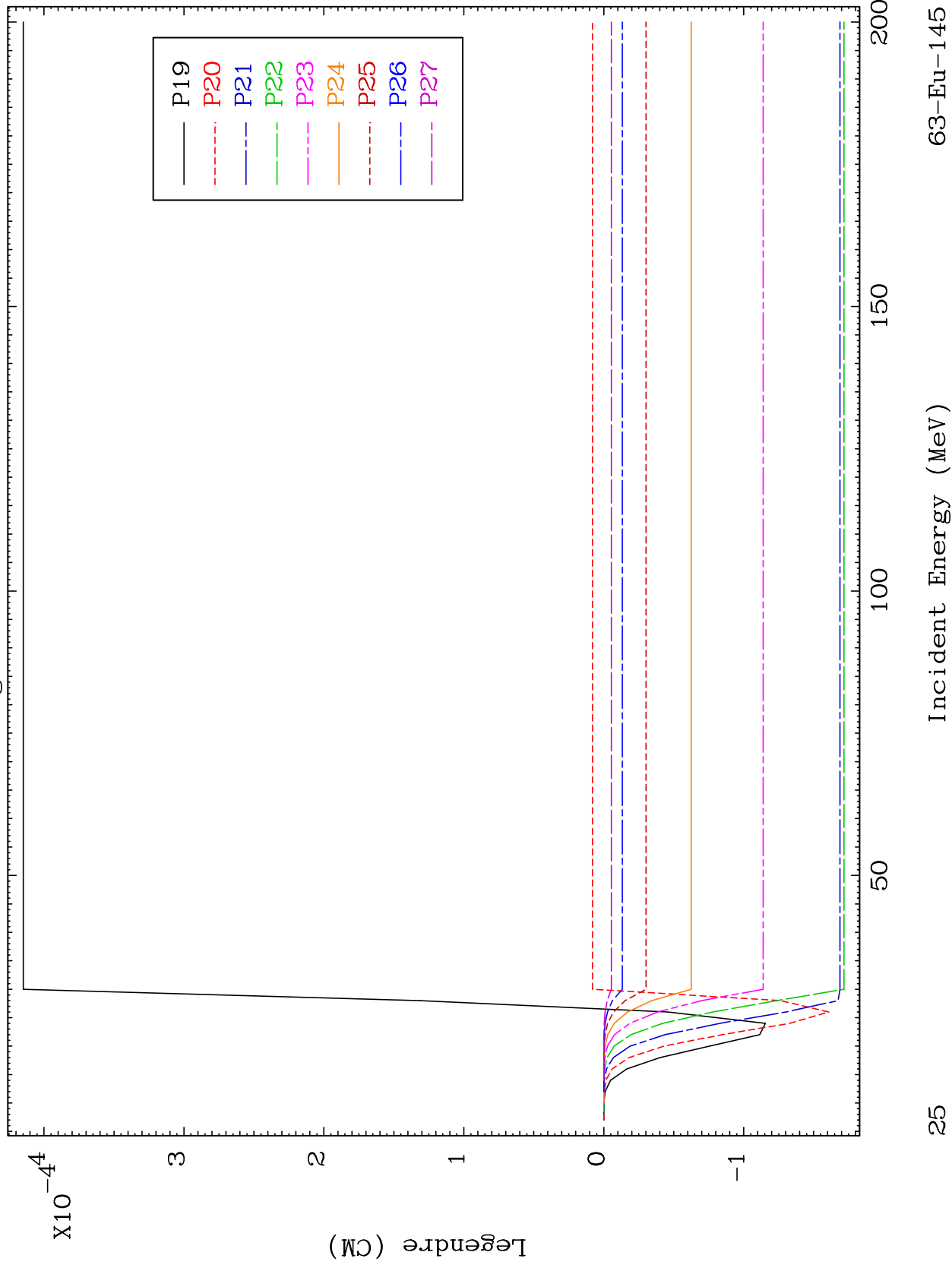
Incident Energy (MeV)

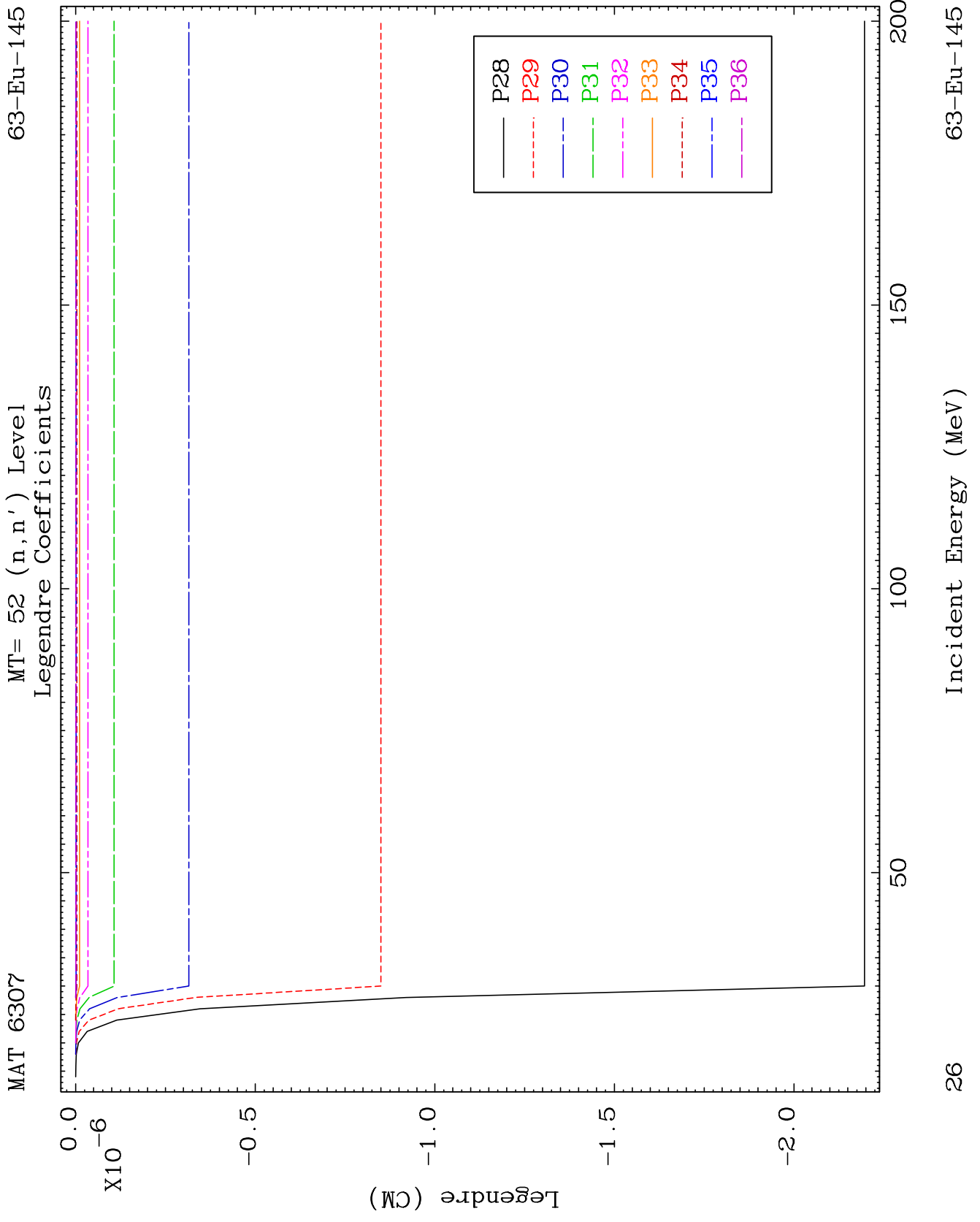
63-Eu-145

MAT 6307

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

63-Eu-145

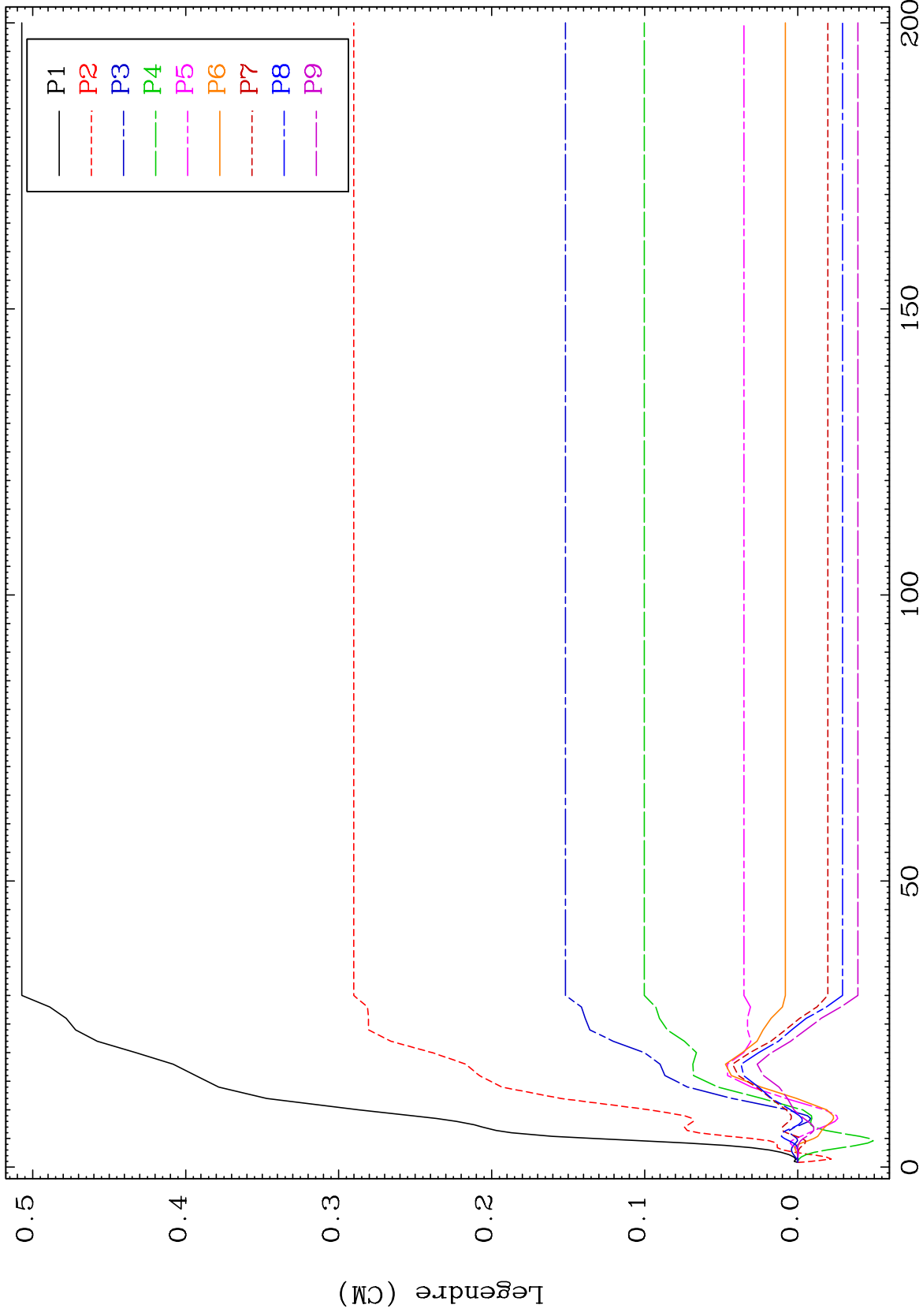




MAT 6307

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

63-Eu-145



27

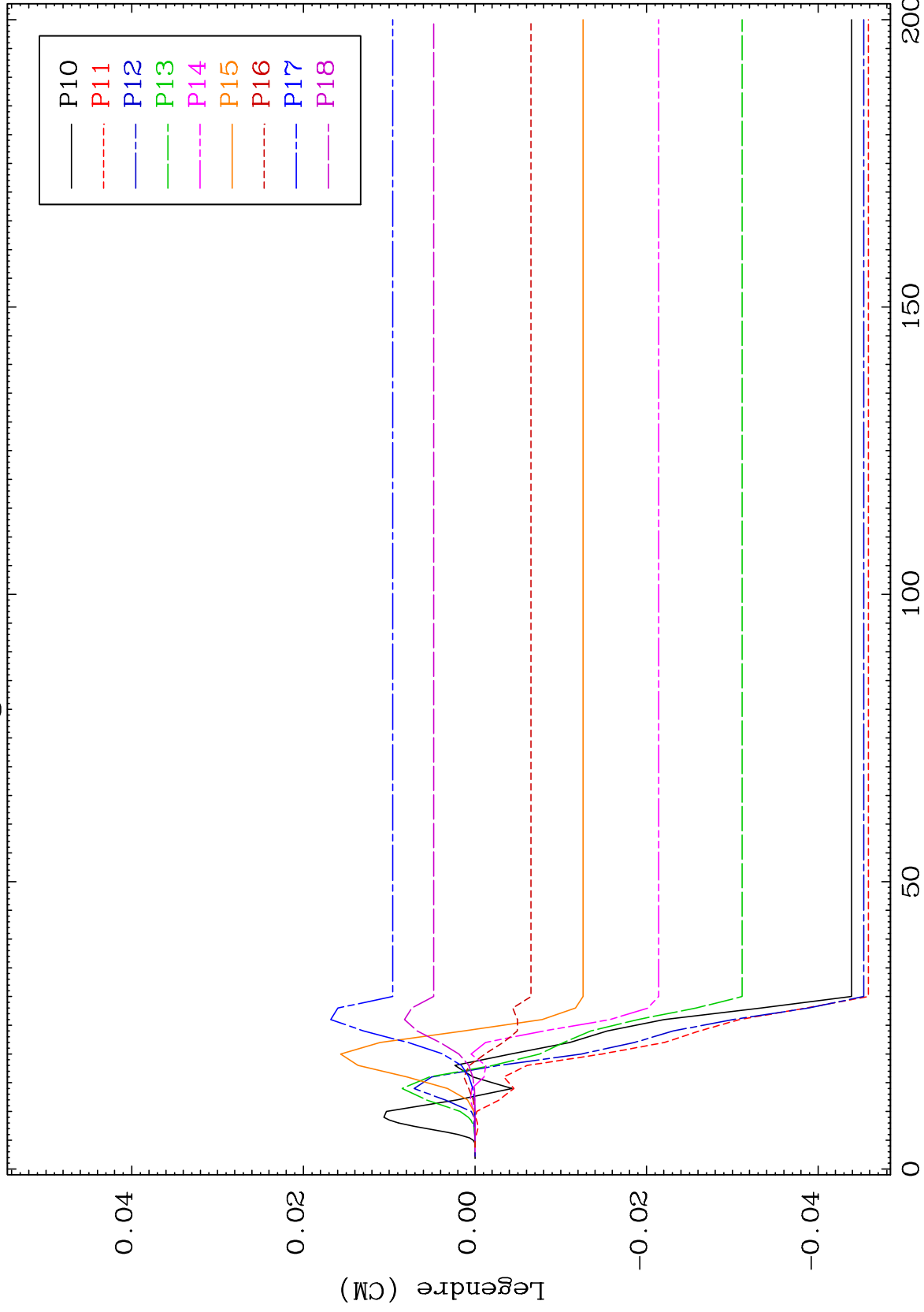
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

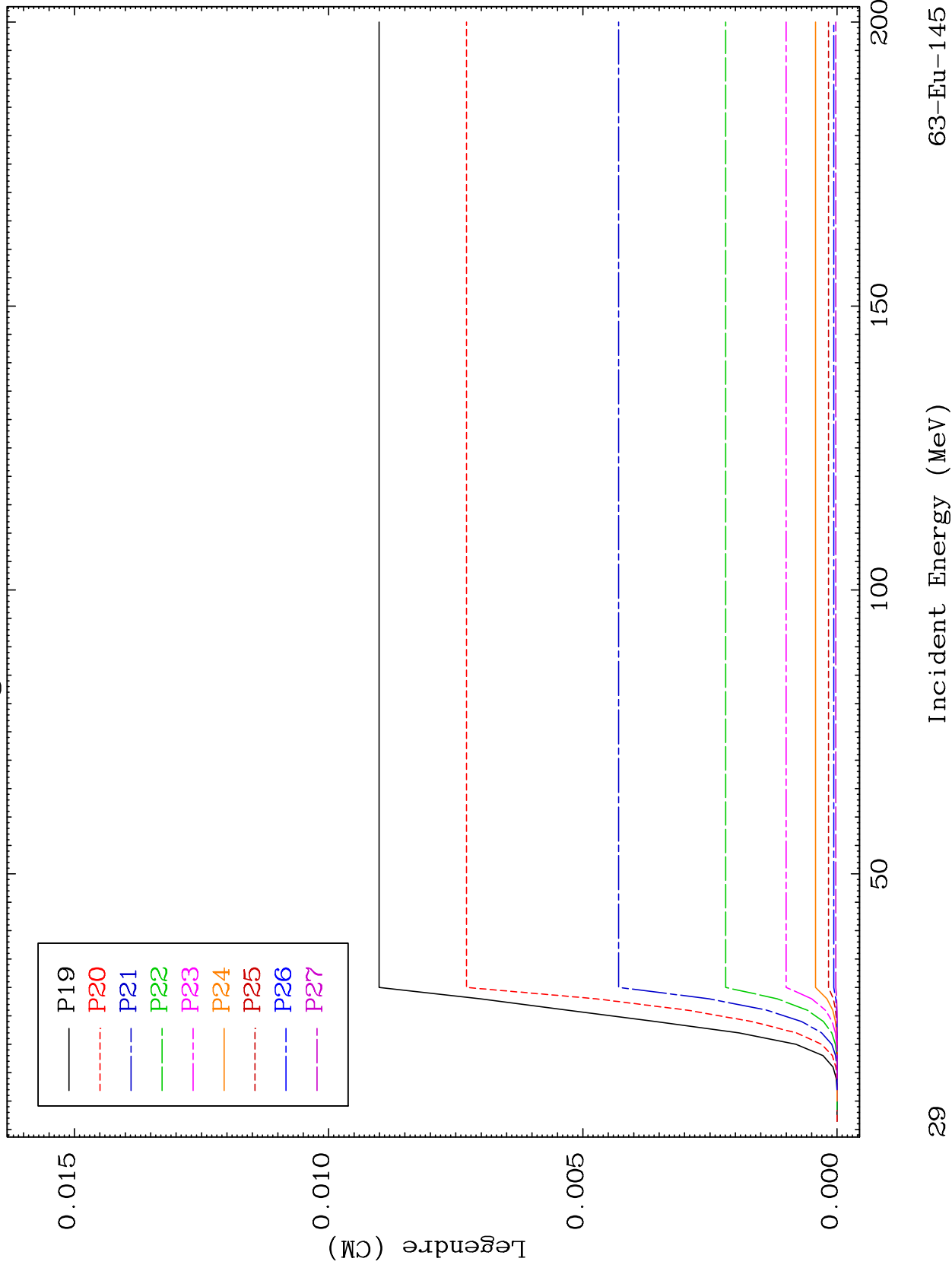
63-Eu-145



28

Incident Energy (MeV)

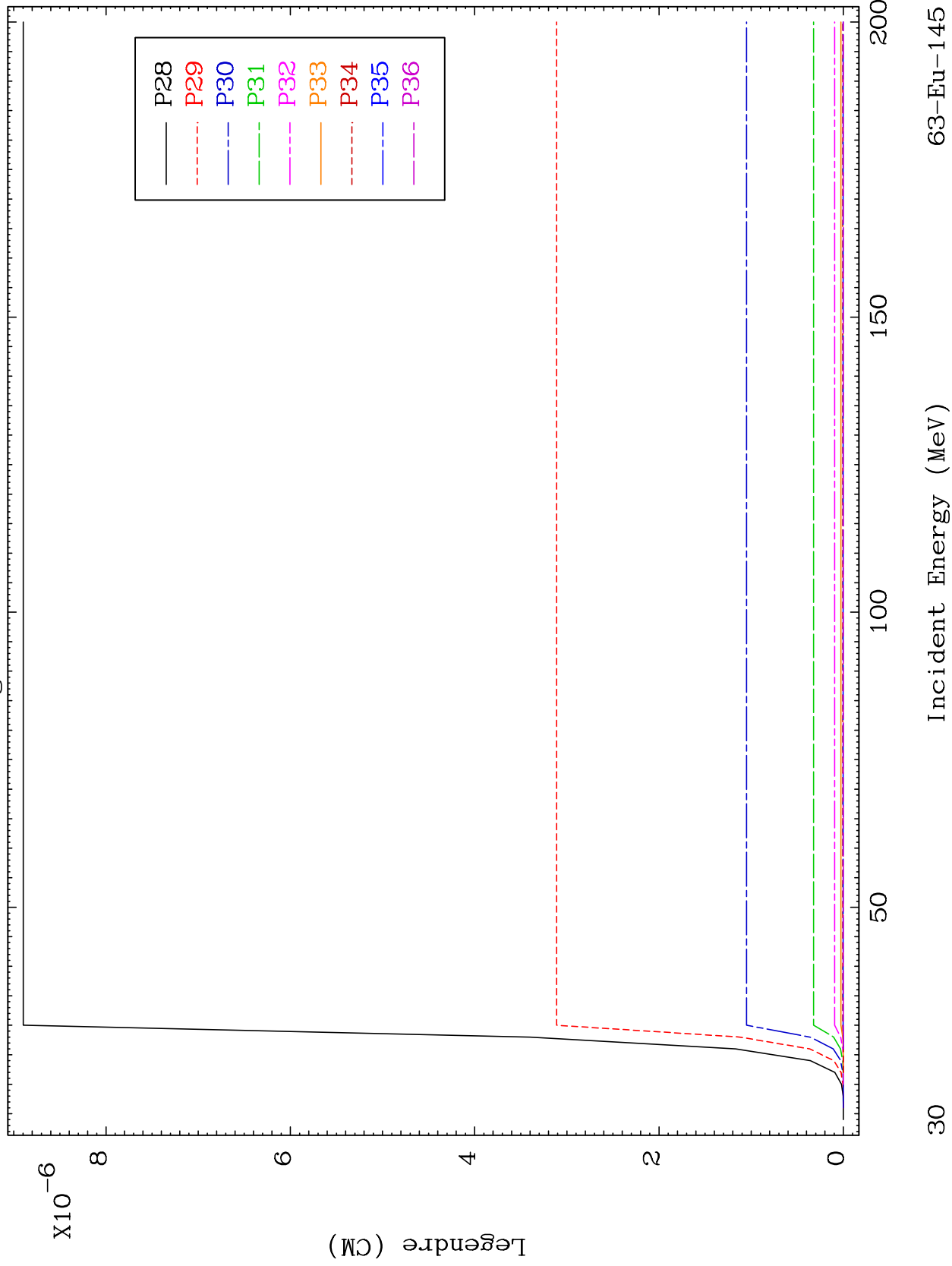
63-Eu-145



MAT 6307

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

63-Eu-145



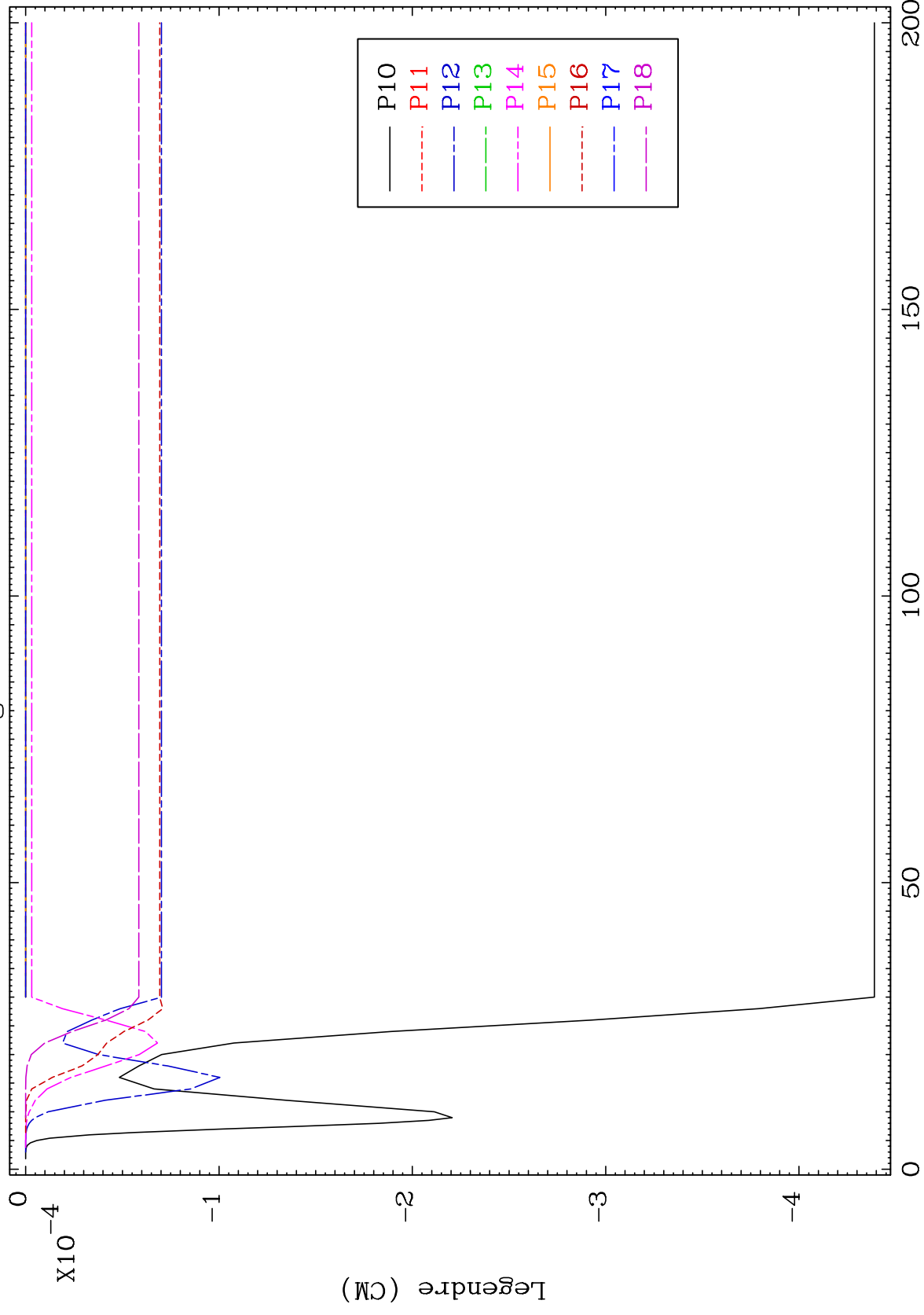




MAT 6307

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

63-Eu-145

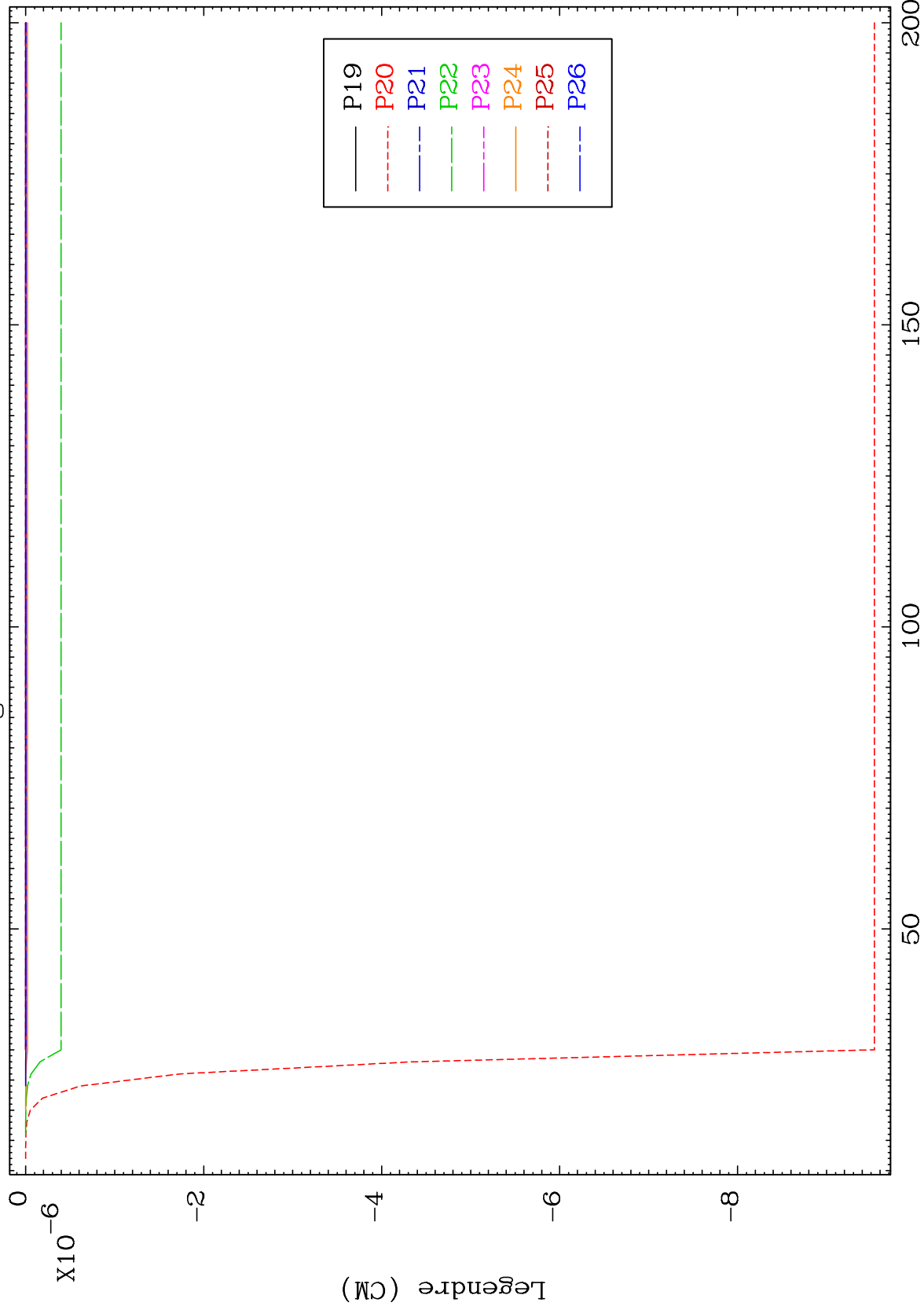


32

Incident Energy (MeV)

63-Eu-145

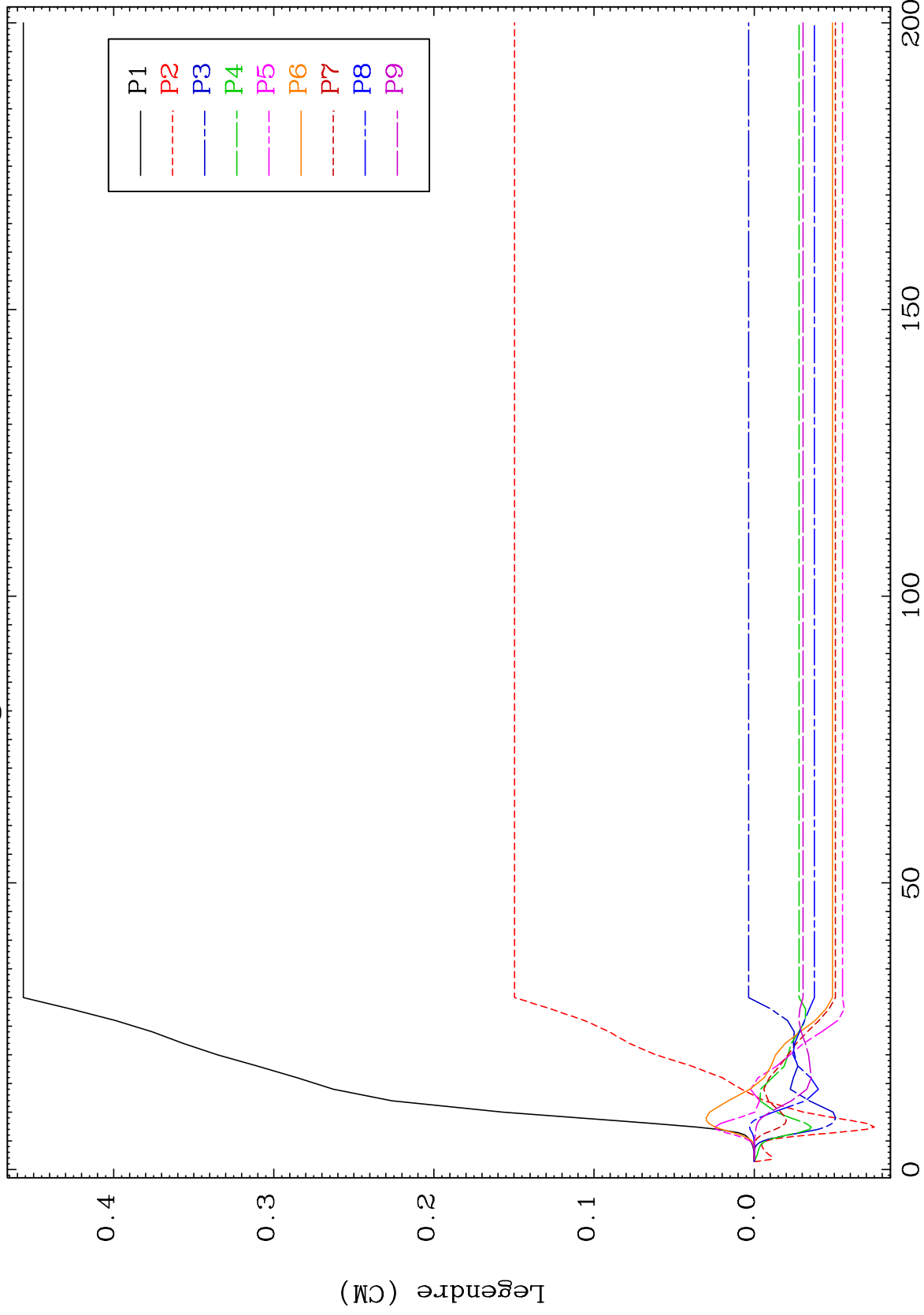
Legendre Coefficients



MAT 6307

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

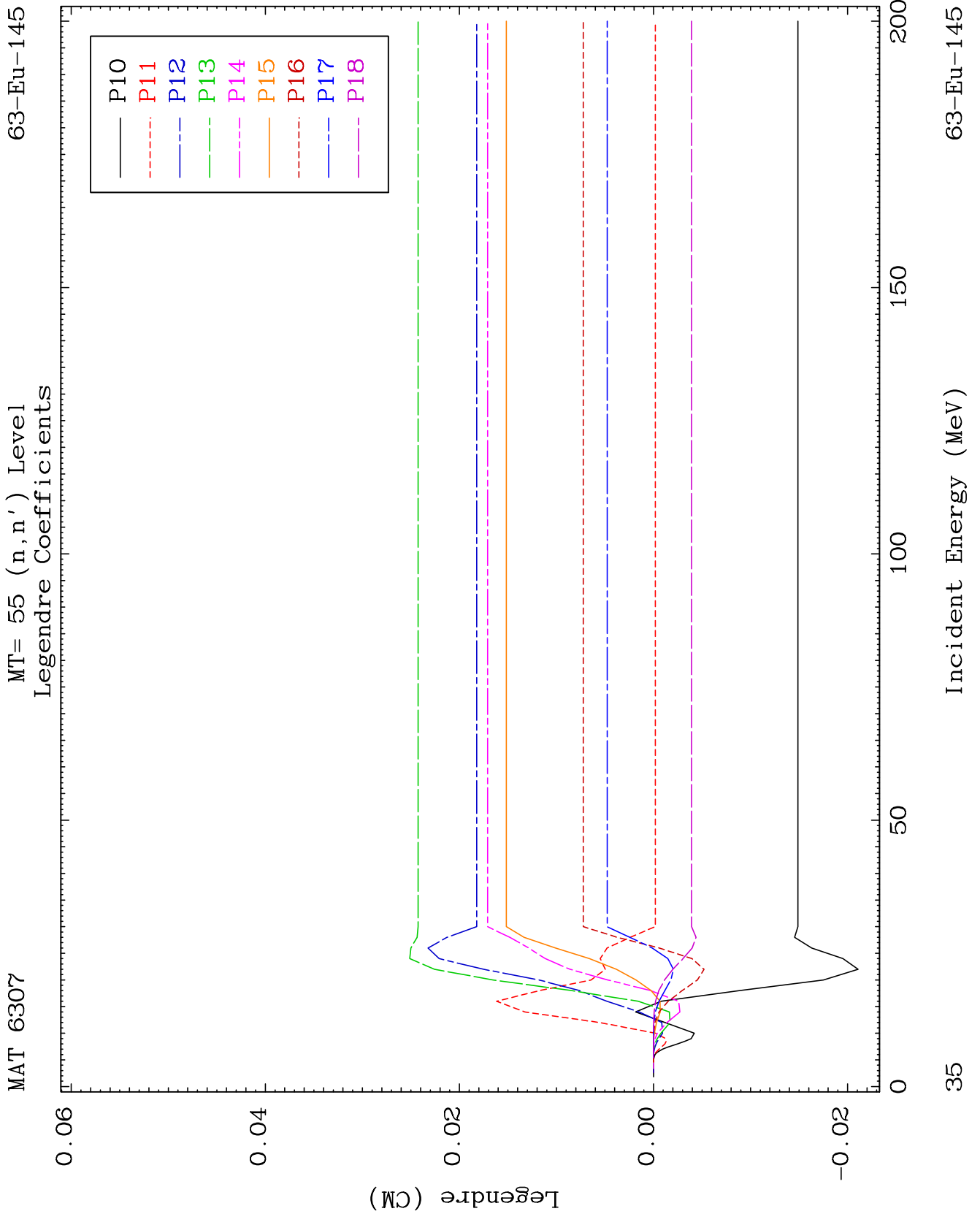
63-Eu-145



34

Incident Energy (MeV)

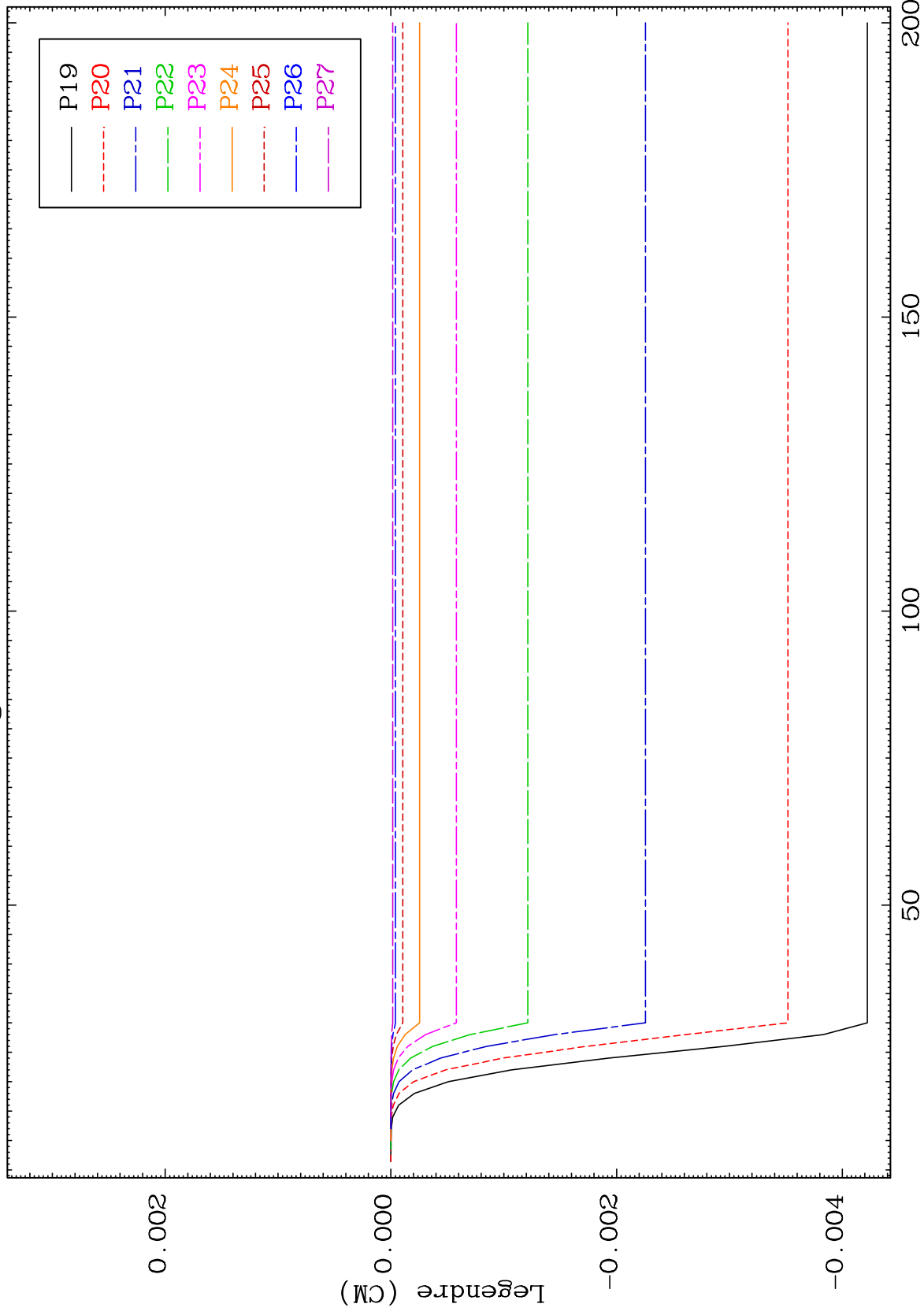
63-Eu-145



MAT 6307

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

63-Eu-145



36

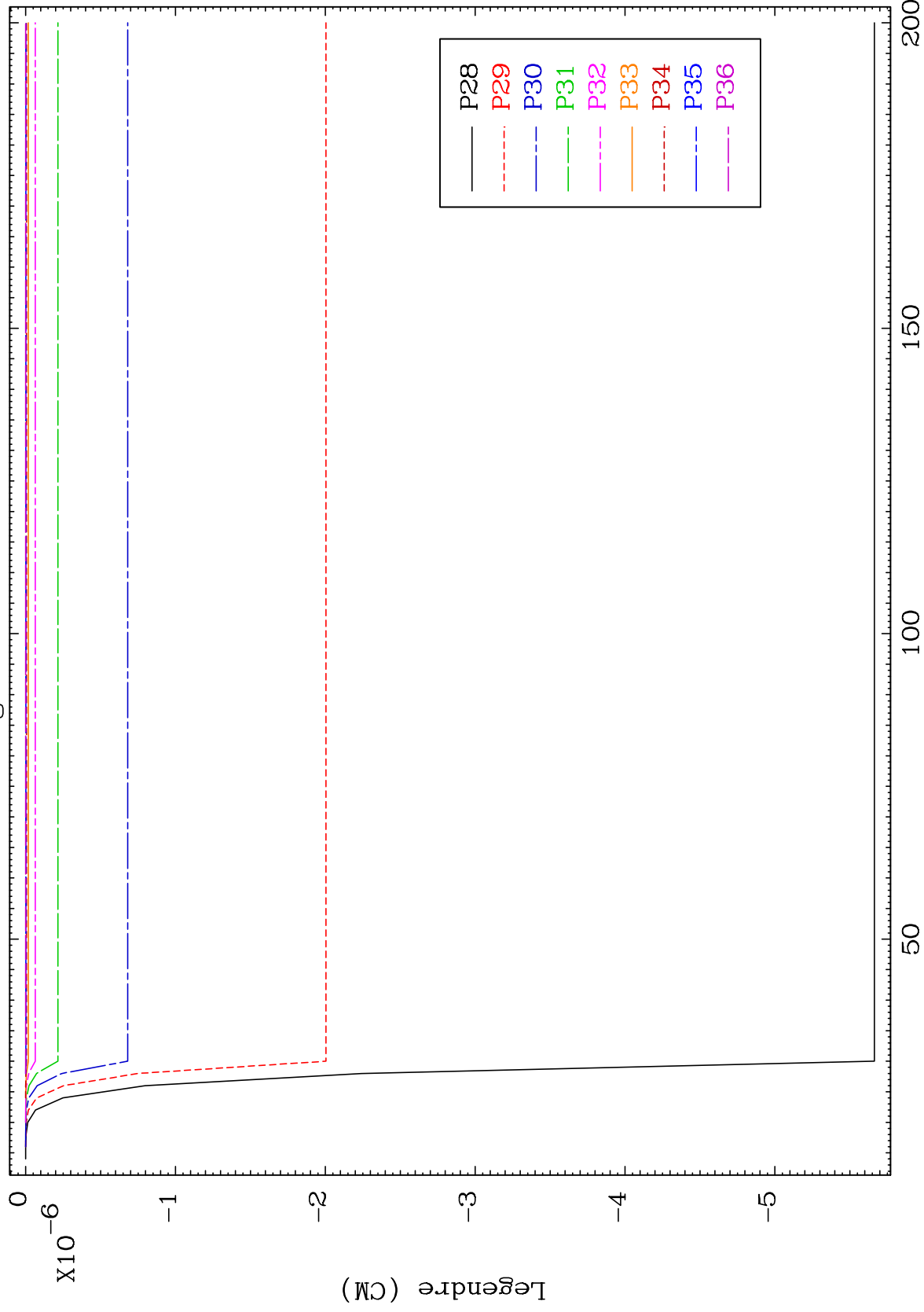
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



37

Incident Energy (MeV)

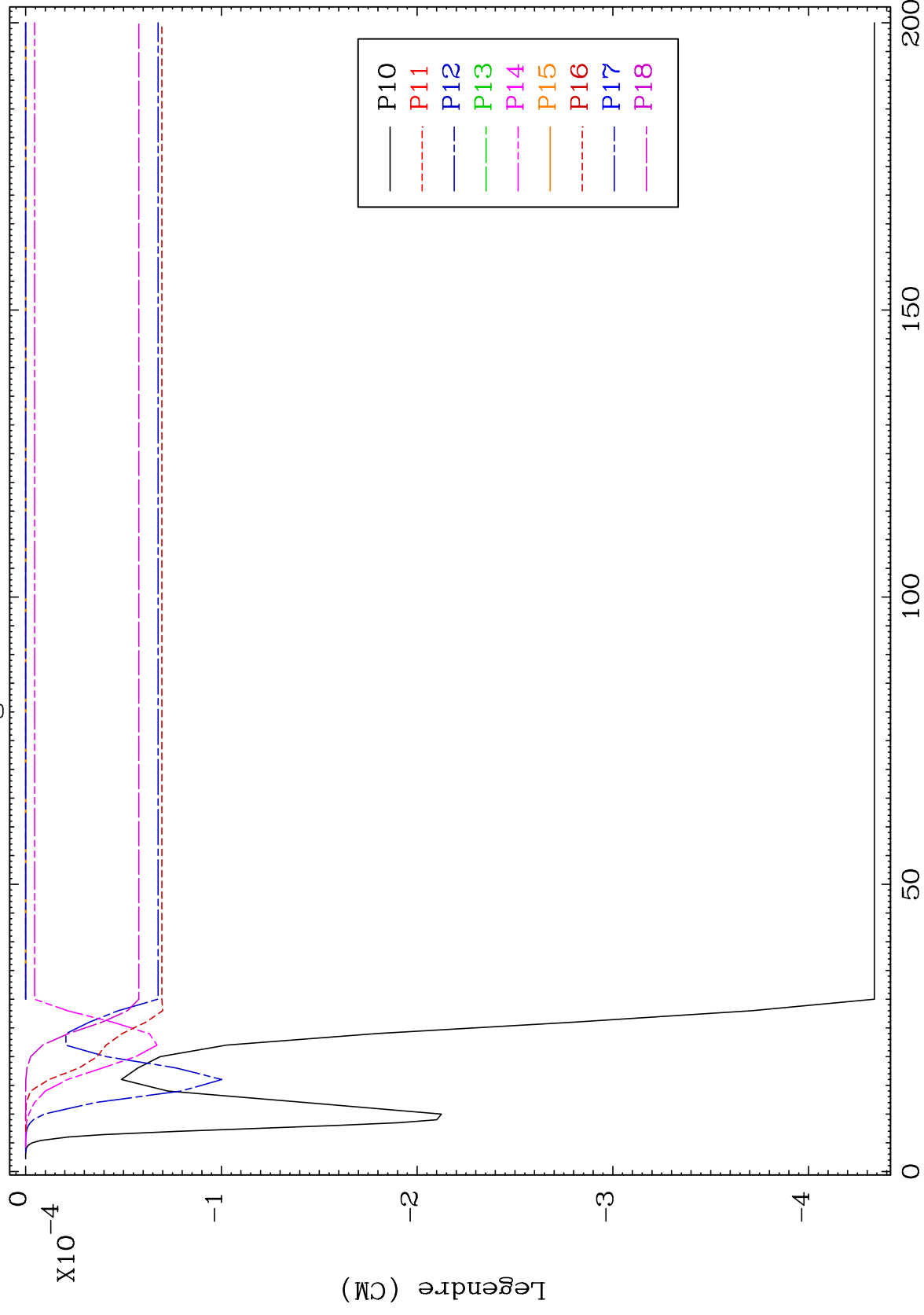
63-Eu-145



MAT 6307

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

63-Eu-145

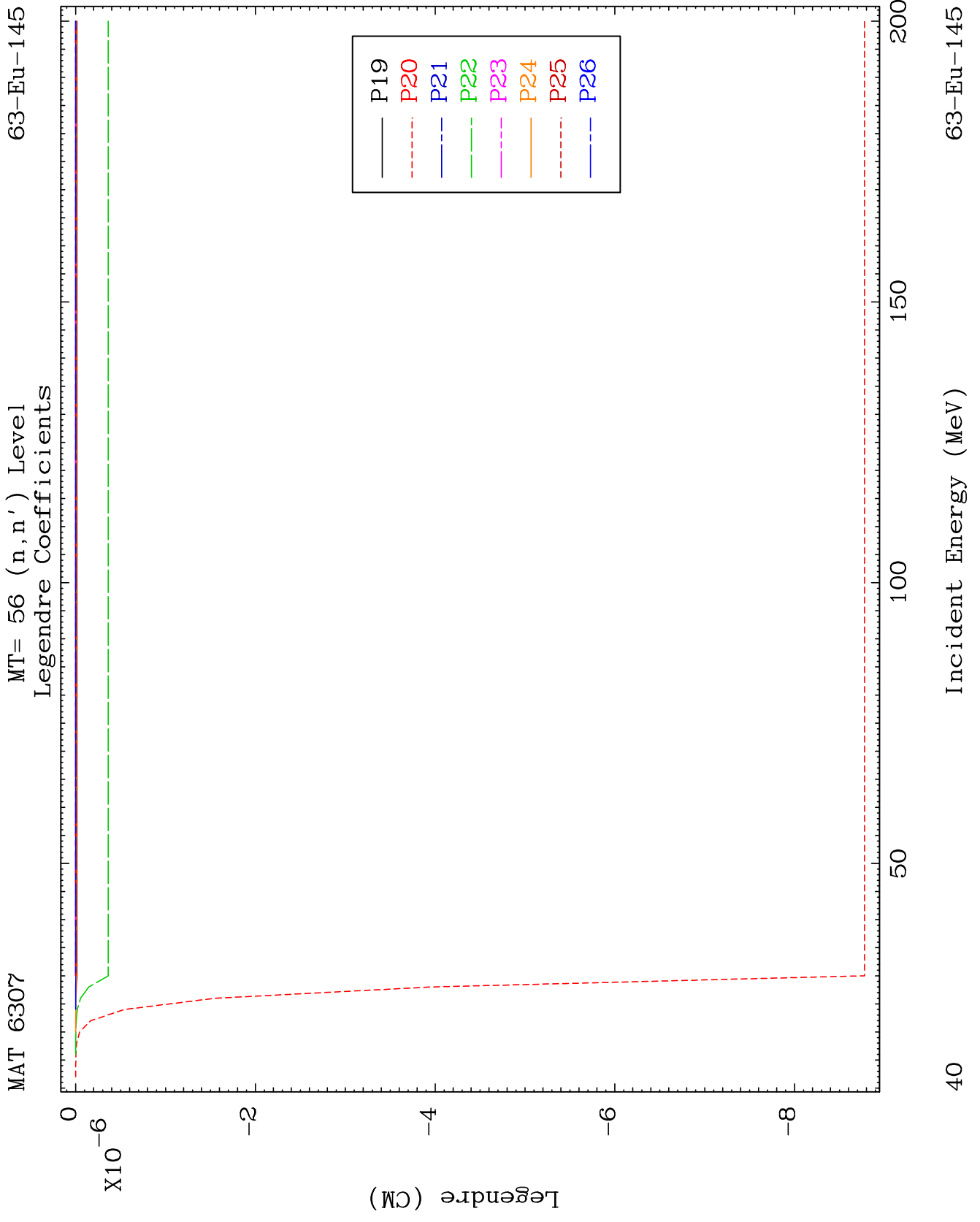


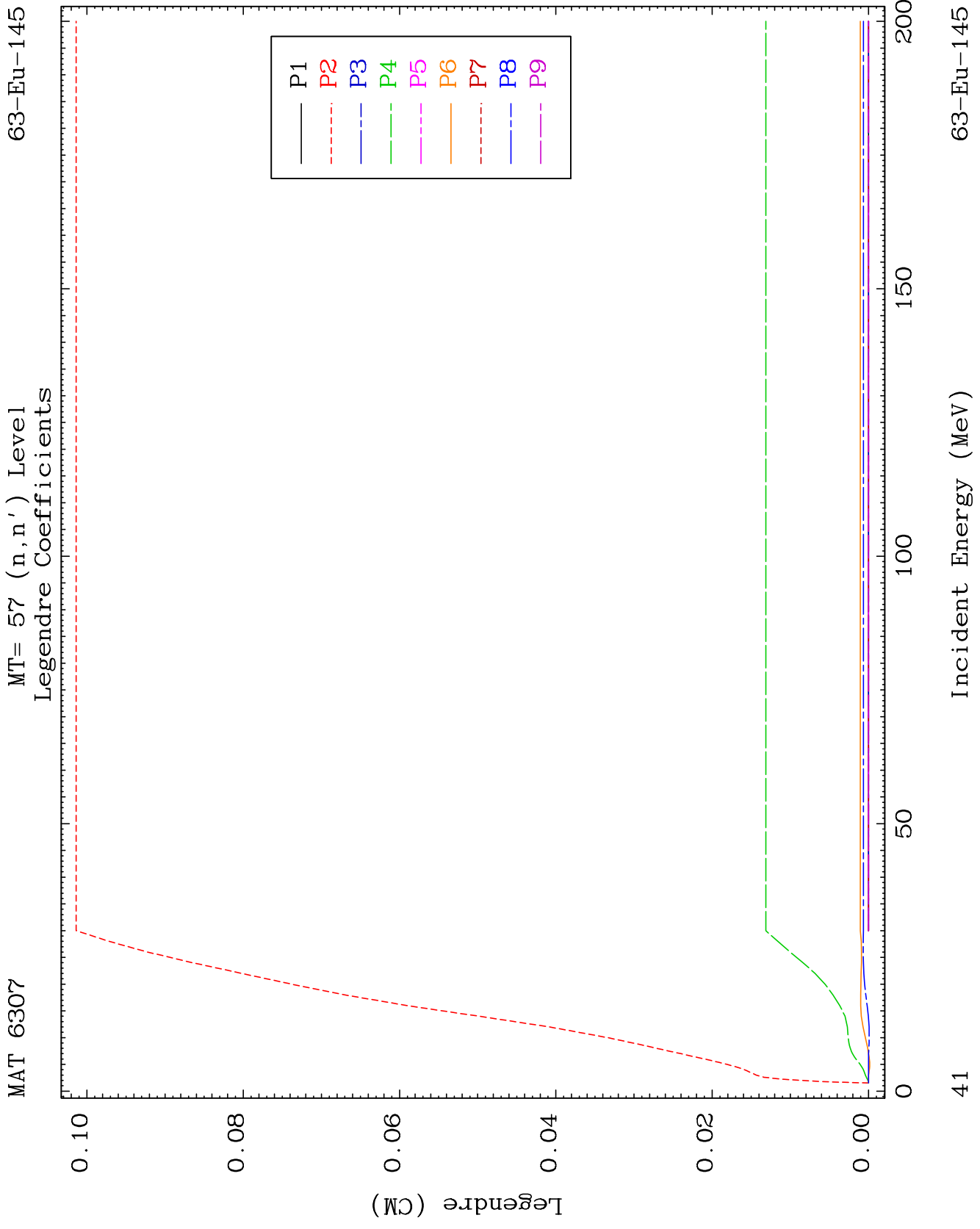
39

Incident Energy (MeV)

63-Eu-145



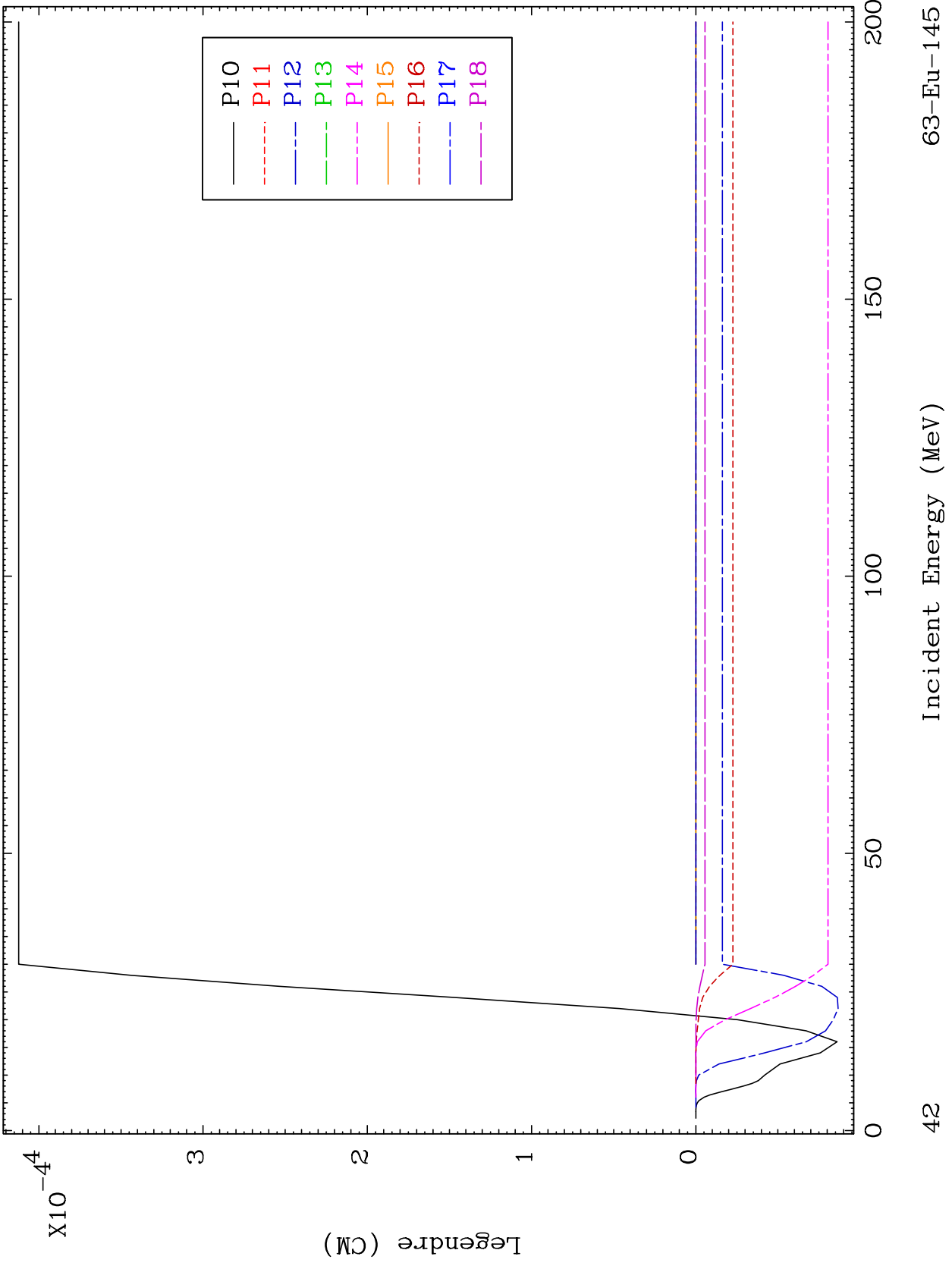




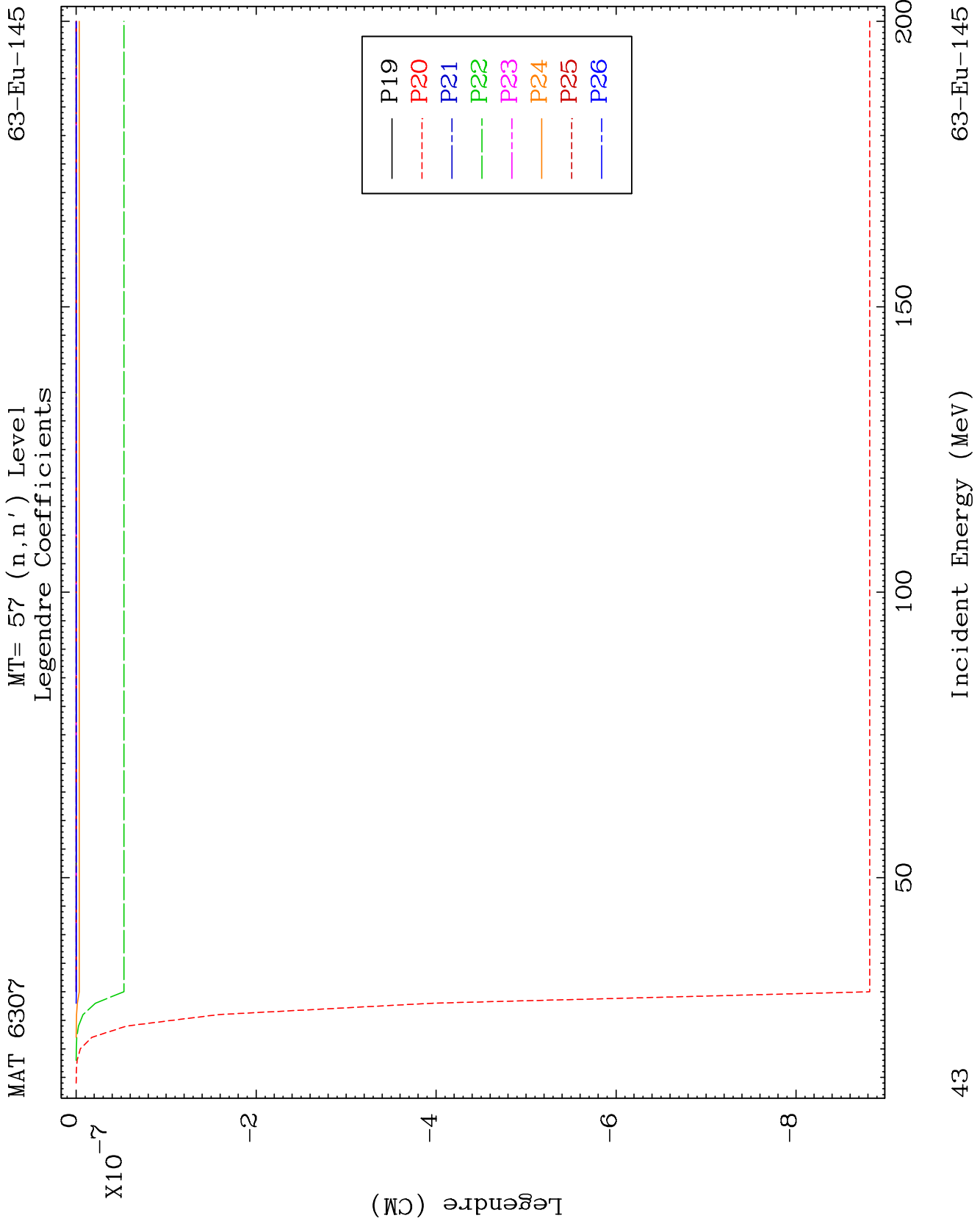
MAT 6307

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

63-Eu-145



63-Eu-145

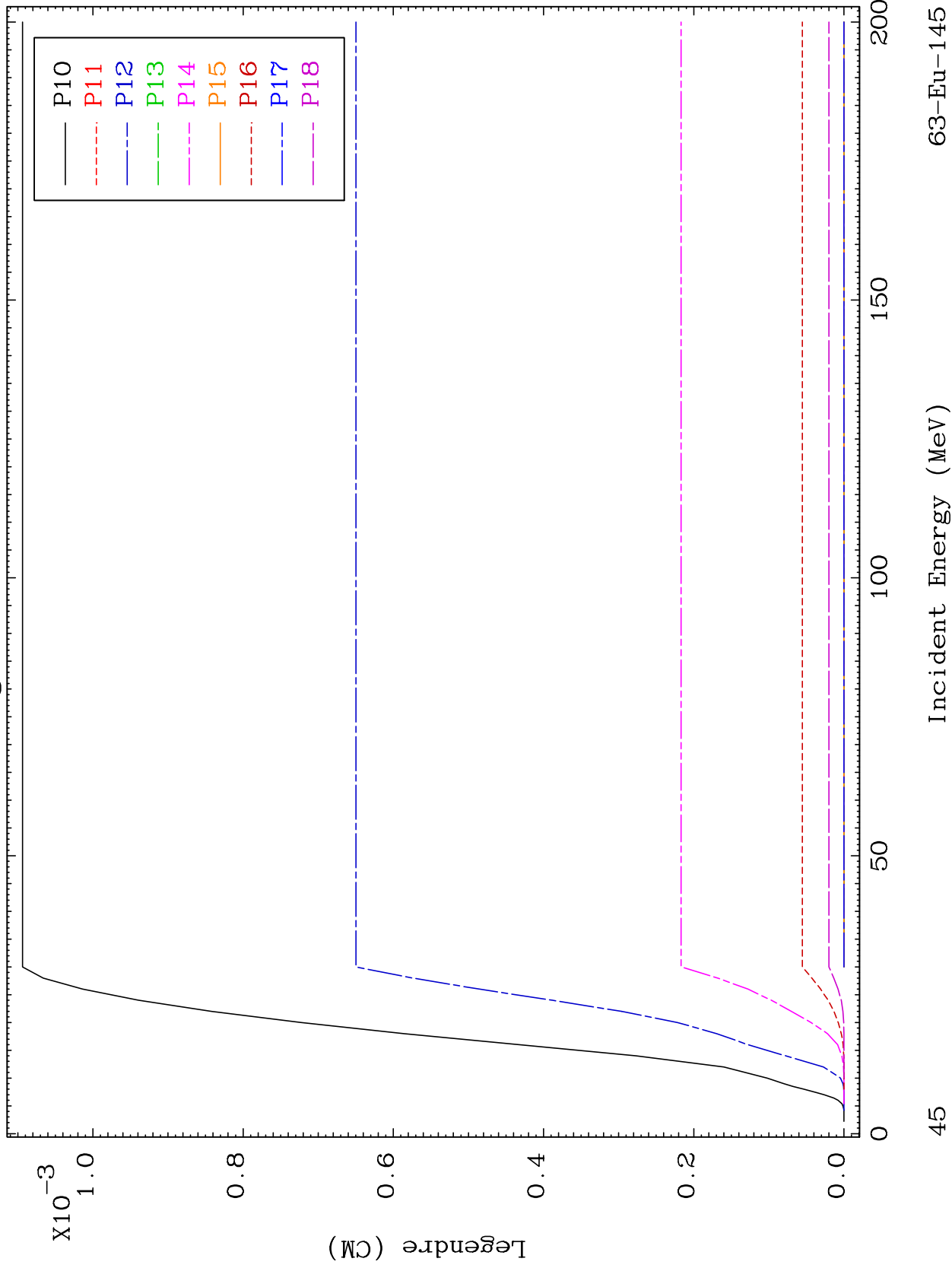




MAT 6307

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

63-Eu-145

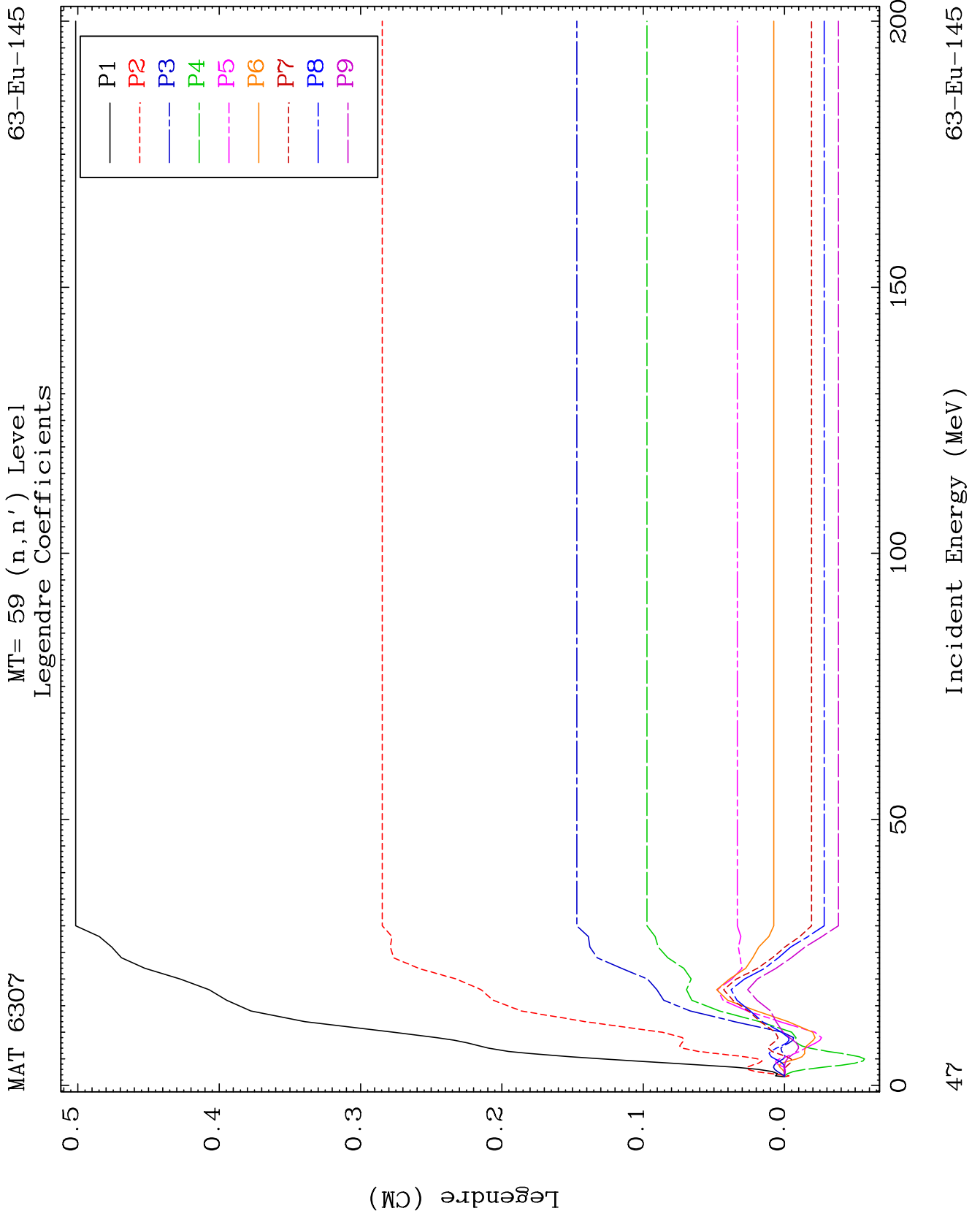


63-Eu-145

Incident Energy (MeV)

45



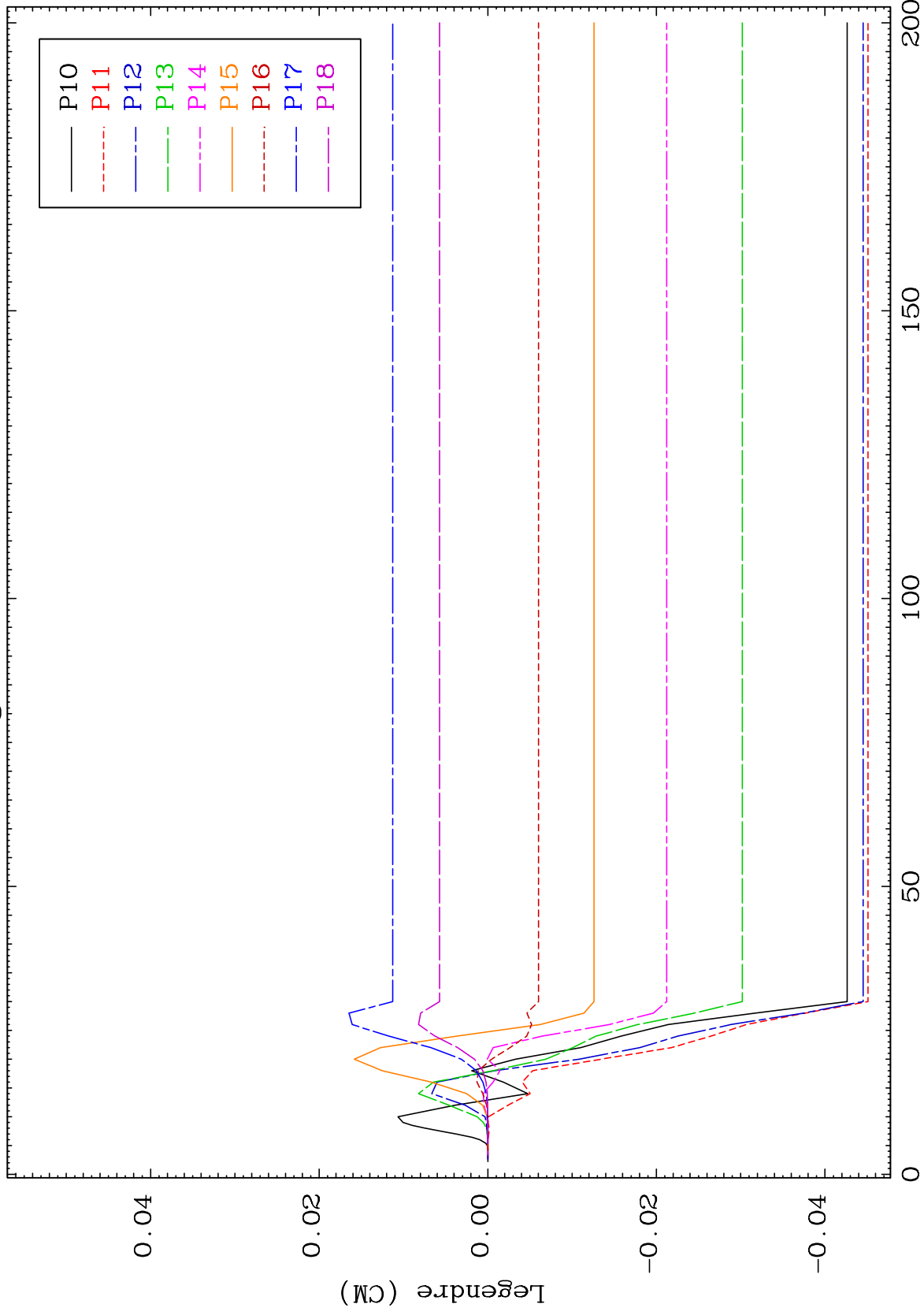




MAT 6307

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

63-Eu-145



48

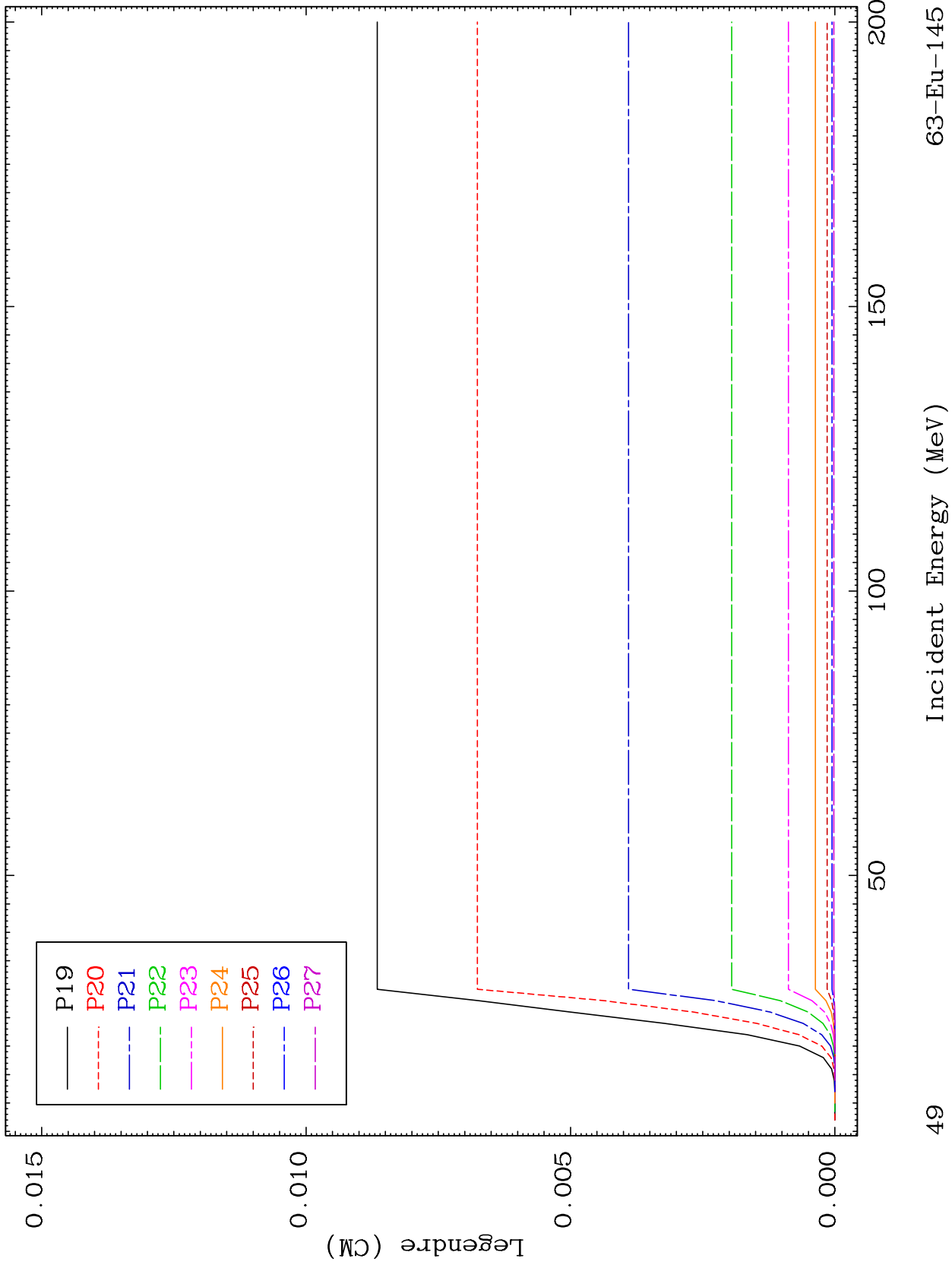
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



49

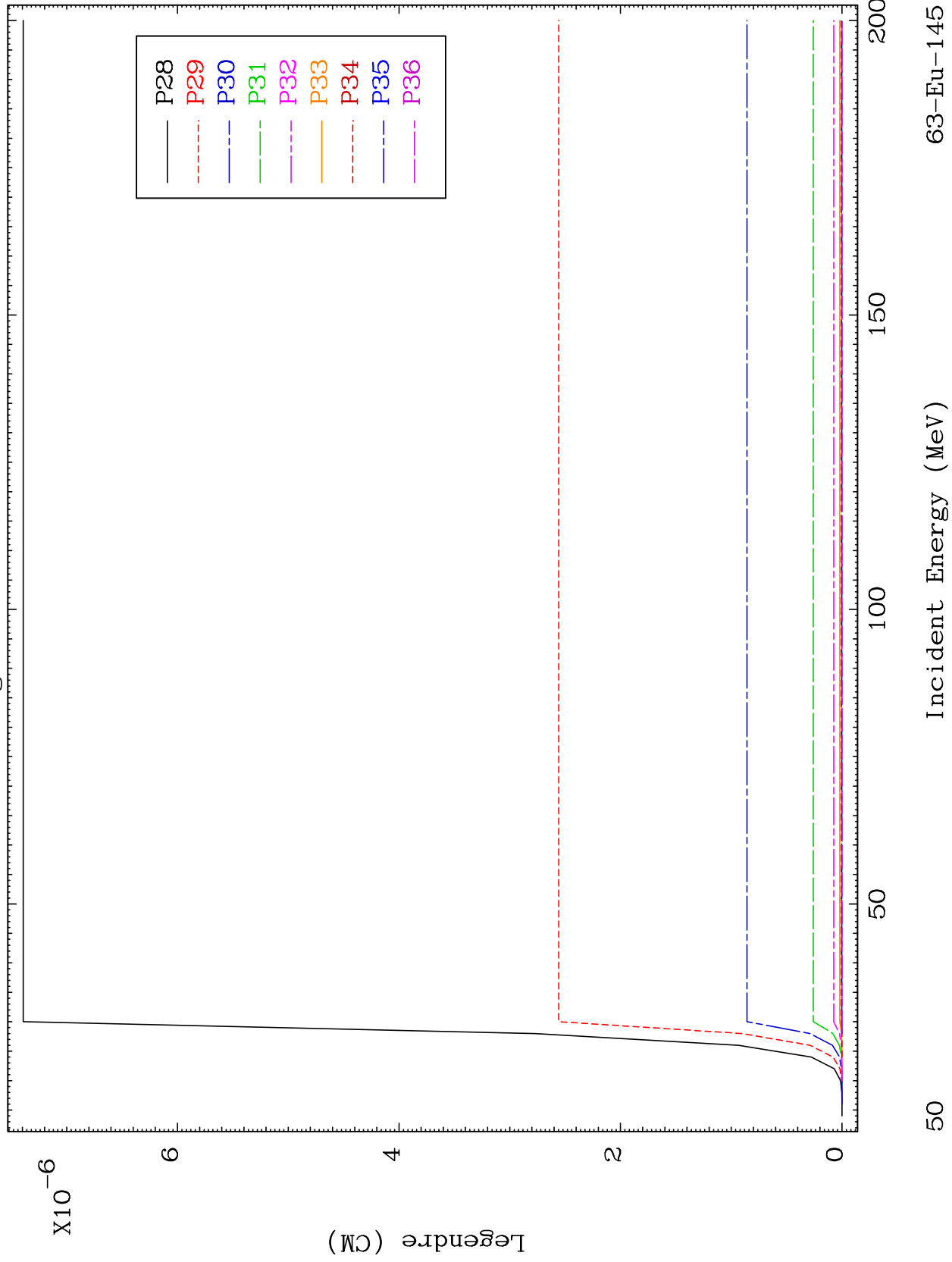
Incident Energy (MeV)

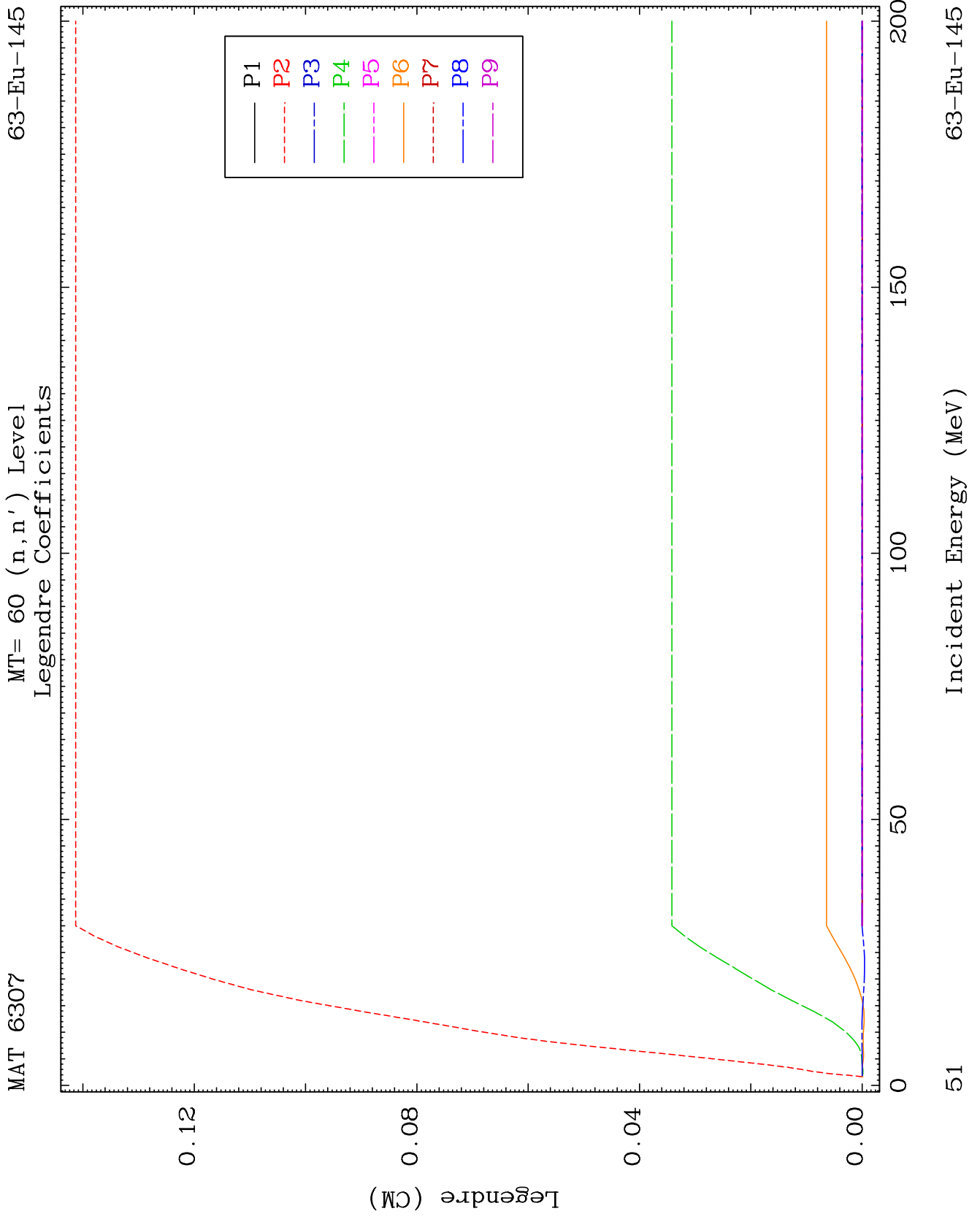
63-Eu-145

MAT 6307

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

63-Eu-145

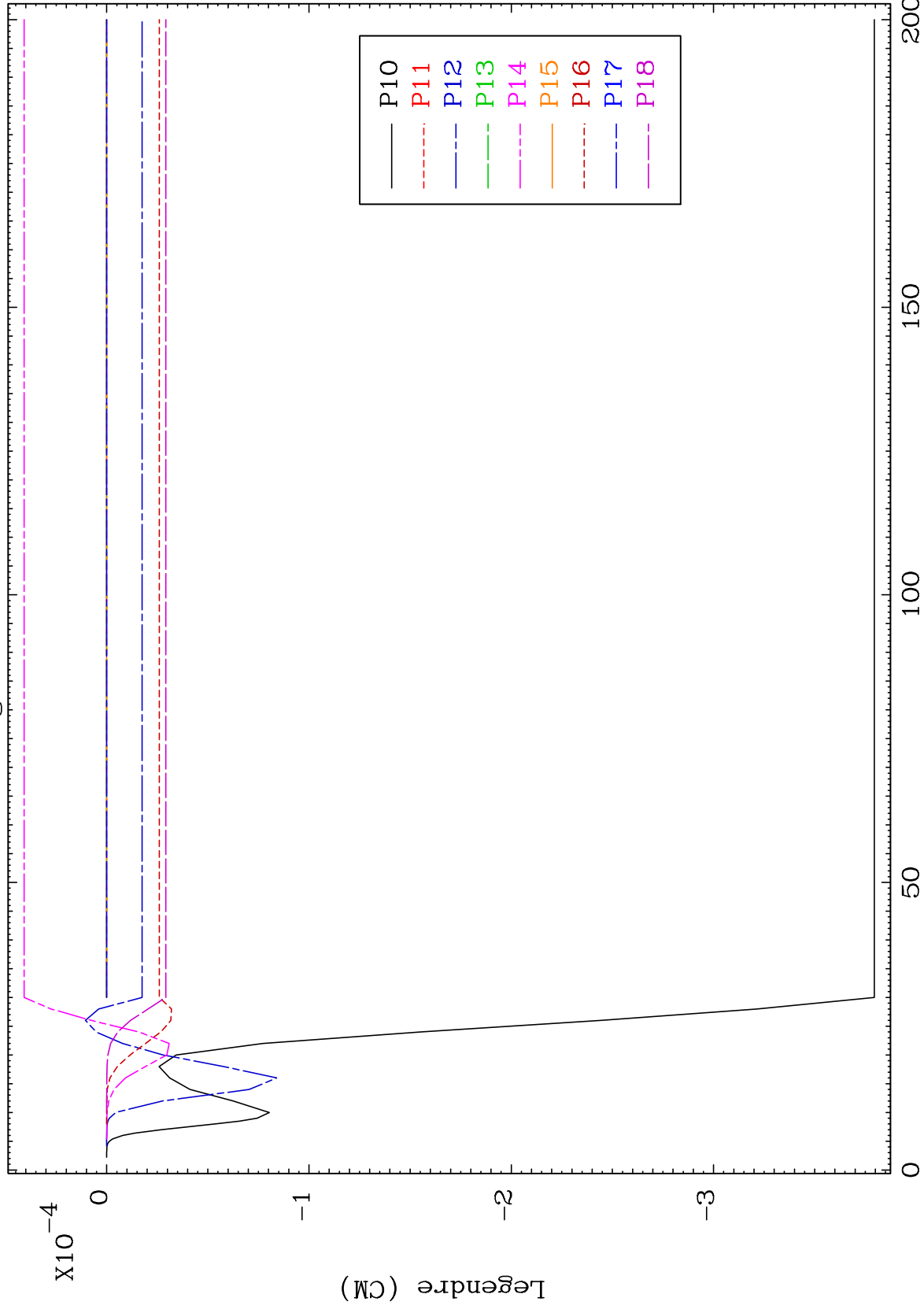




MAT 6307

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

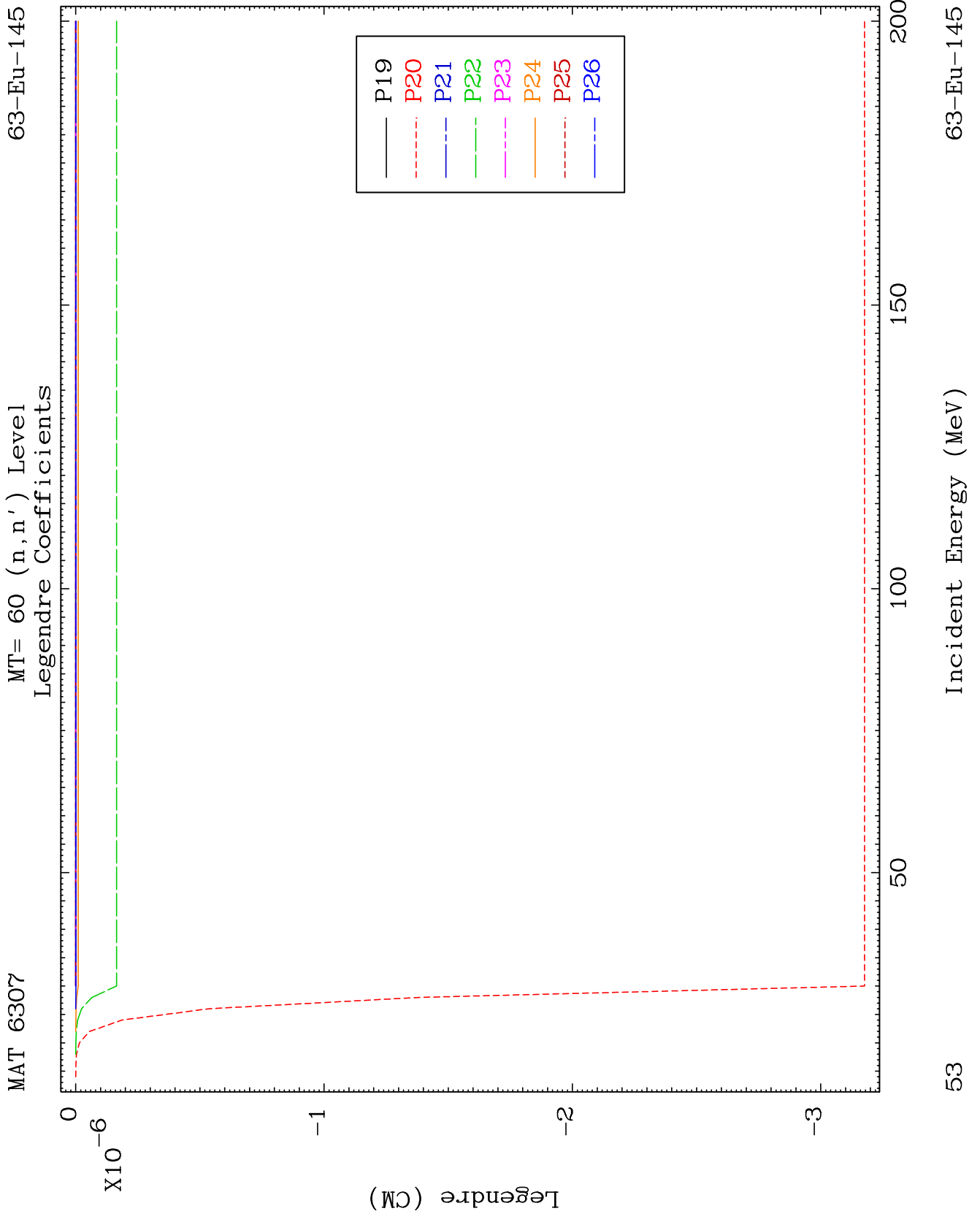
63-Eu-145



52

Incident Energy (MeV)

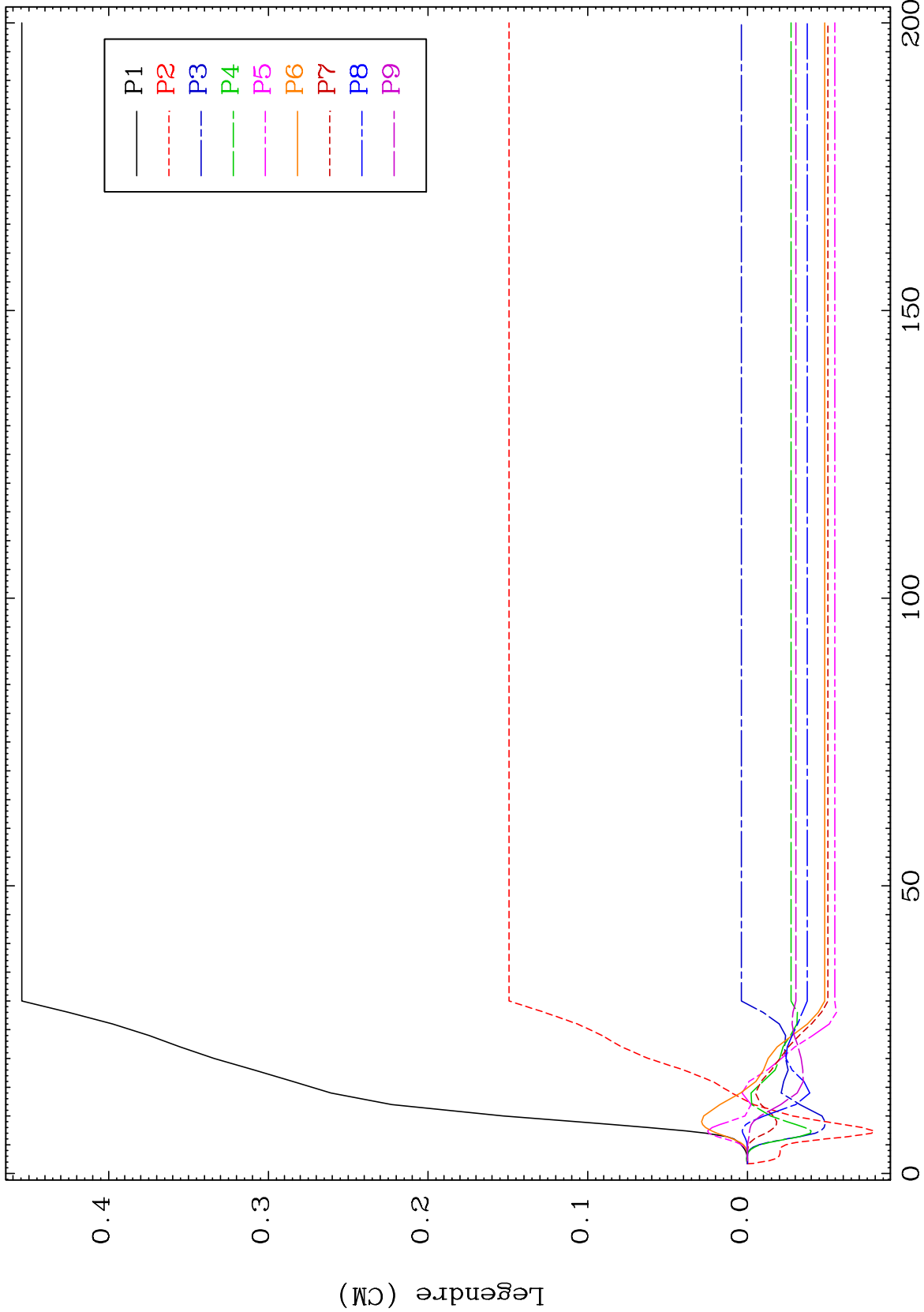
63-Eu-145



MAT 6307

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

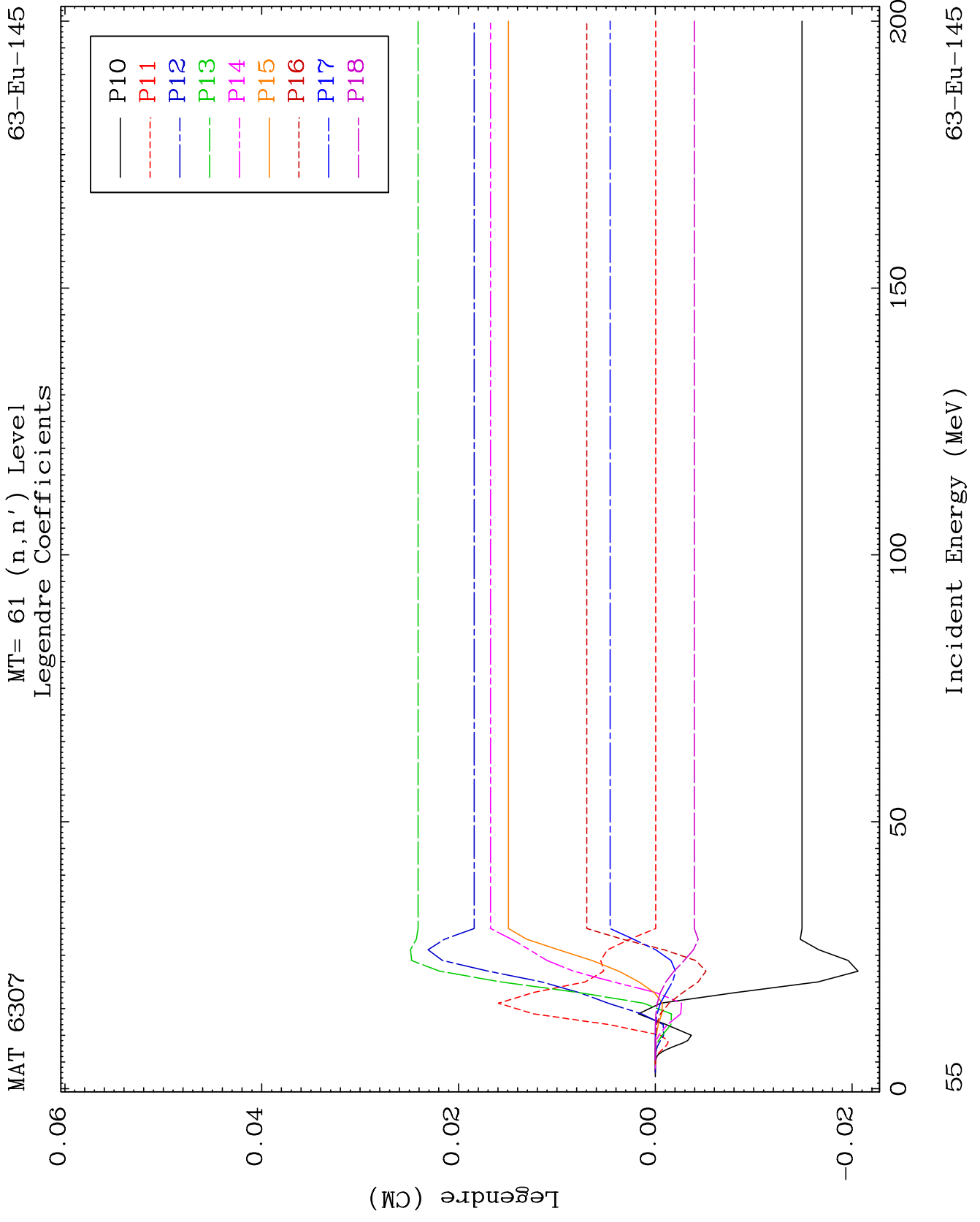
63-Eu-145



63-Eu-145

Incident Energy (MeV)

54

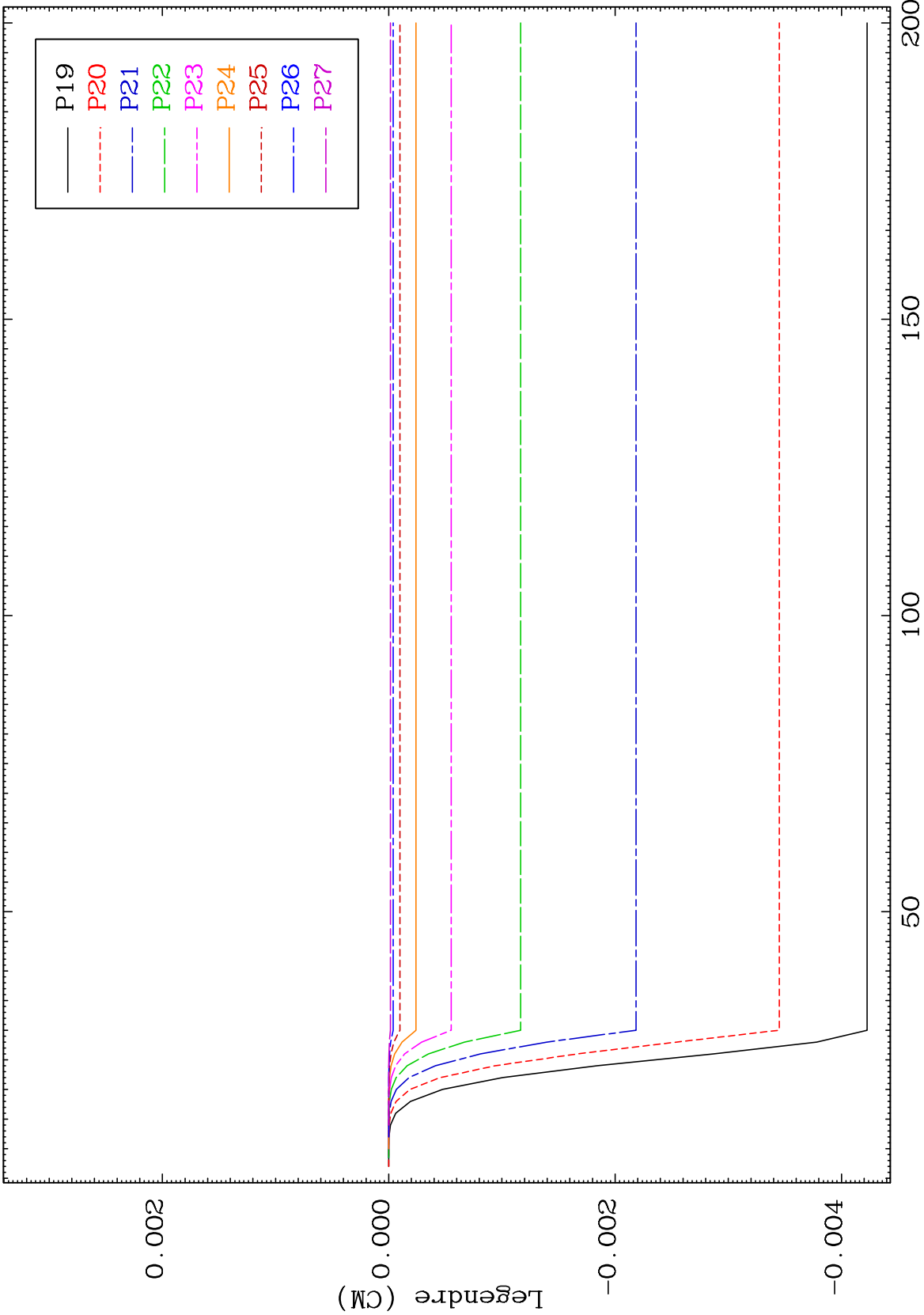




MAT 6307

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

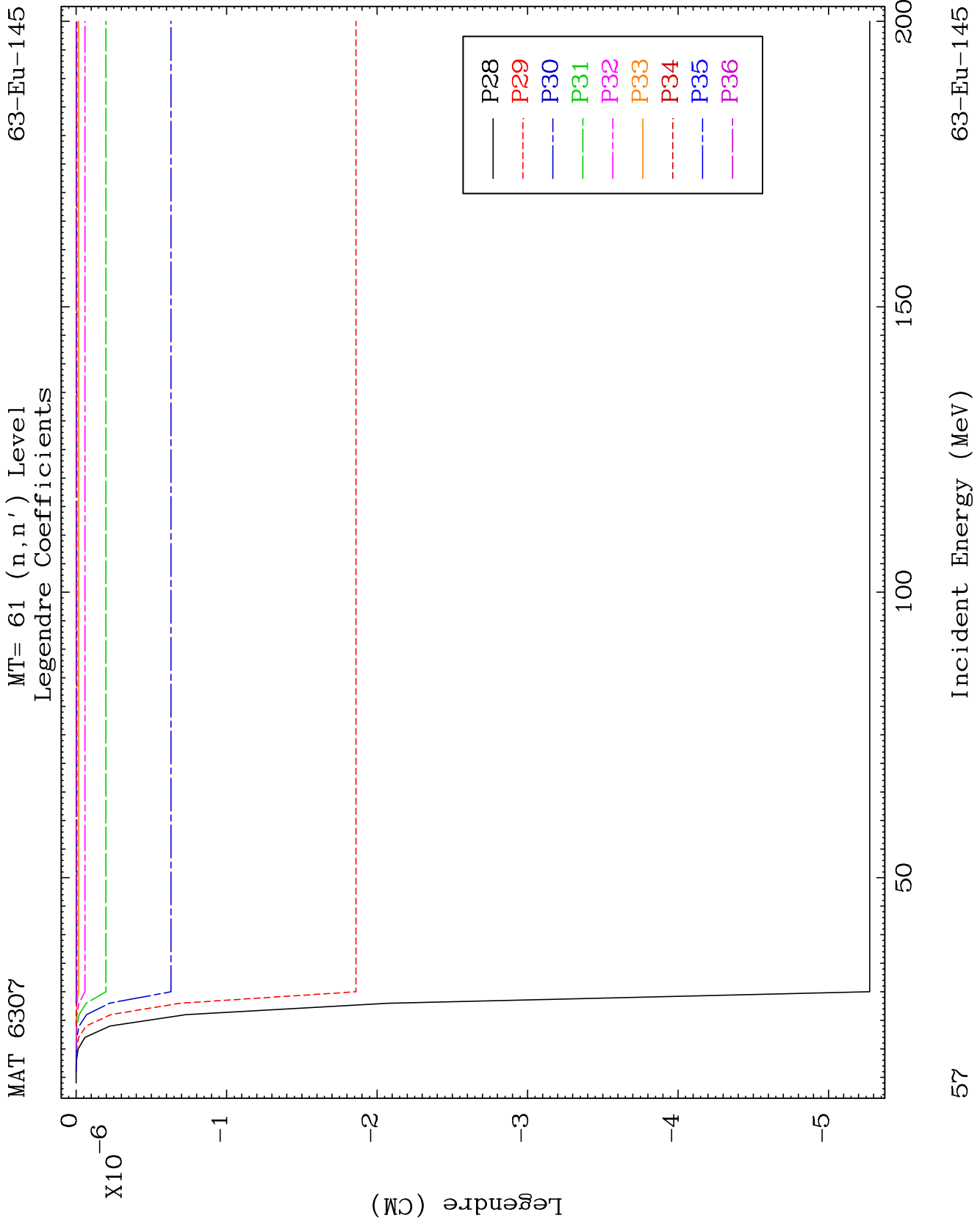
63-Eu-145

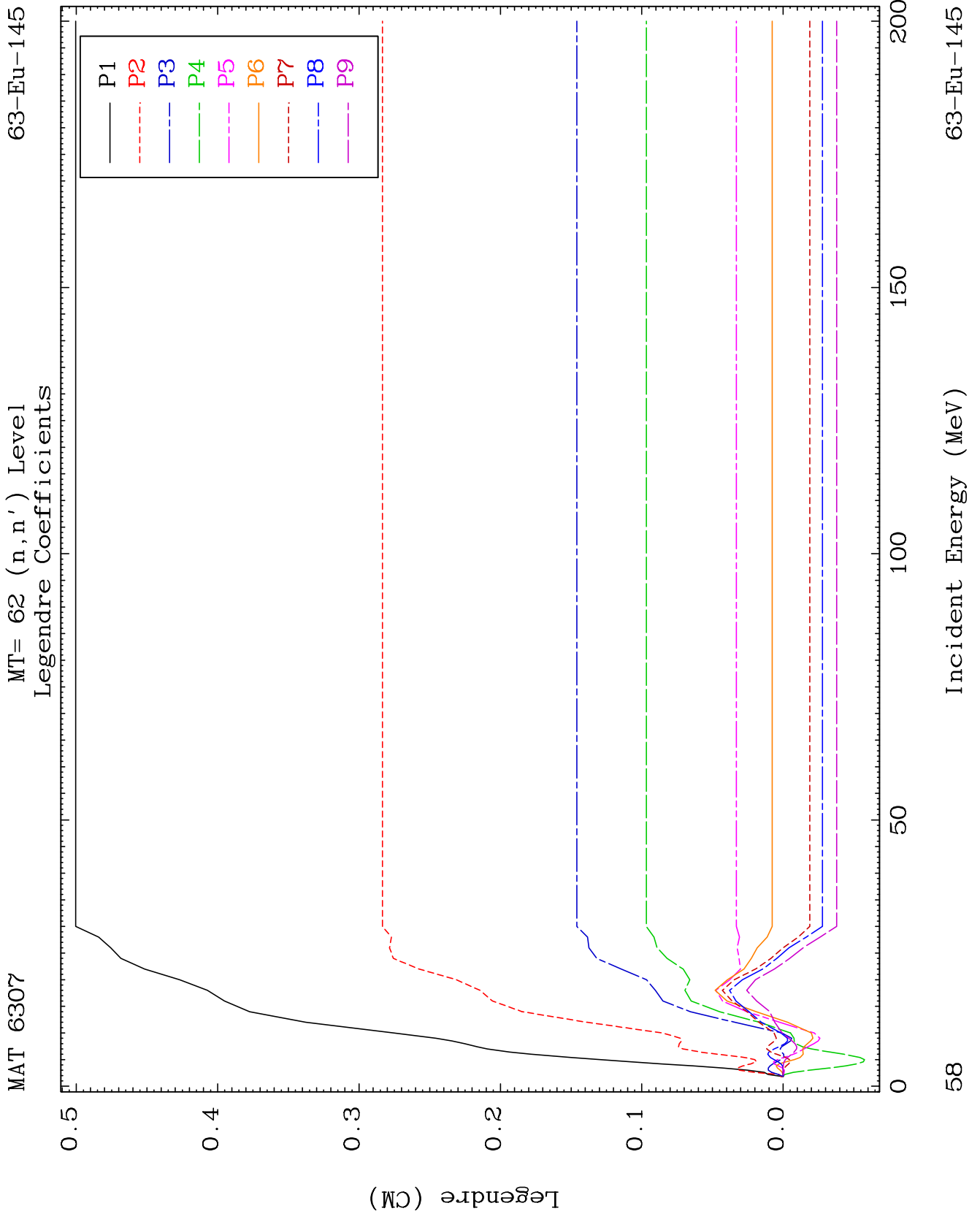


56

Incident Energy (MeV)

63-Eu-145

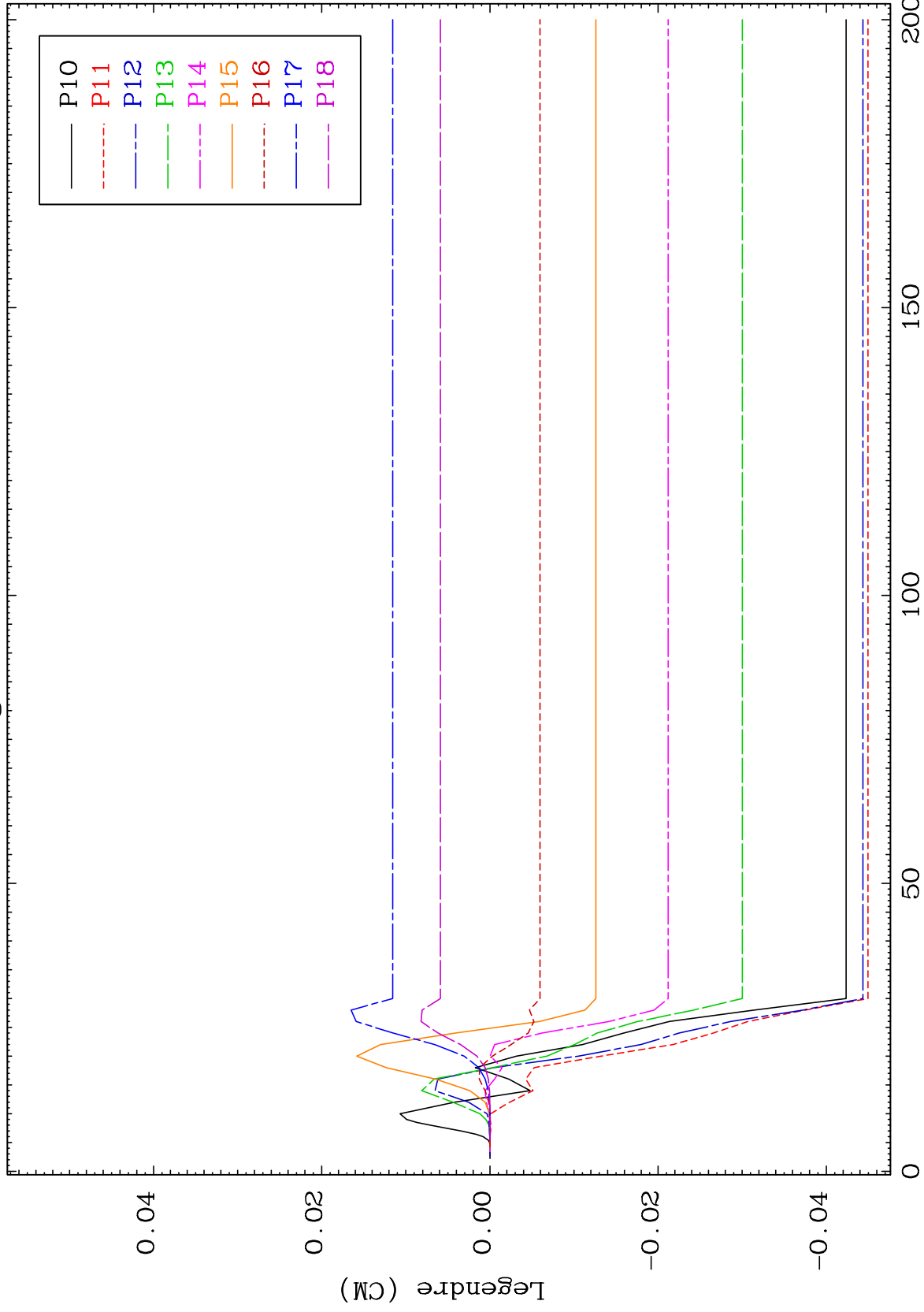




MAT 6307

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

63-Eu-145



59

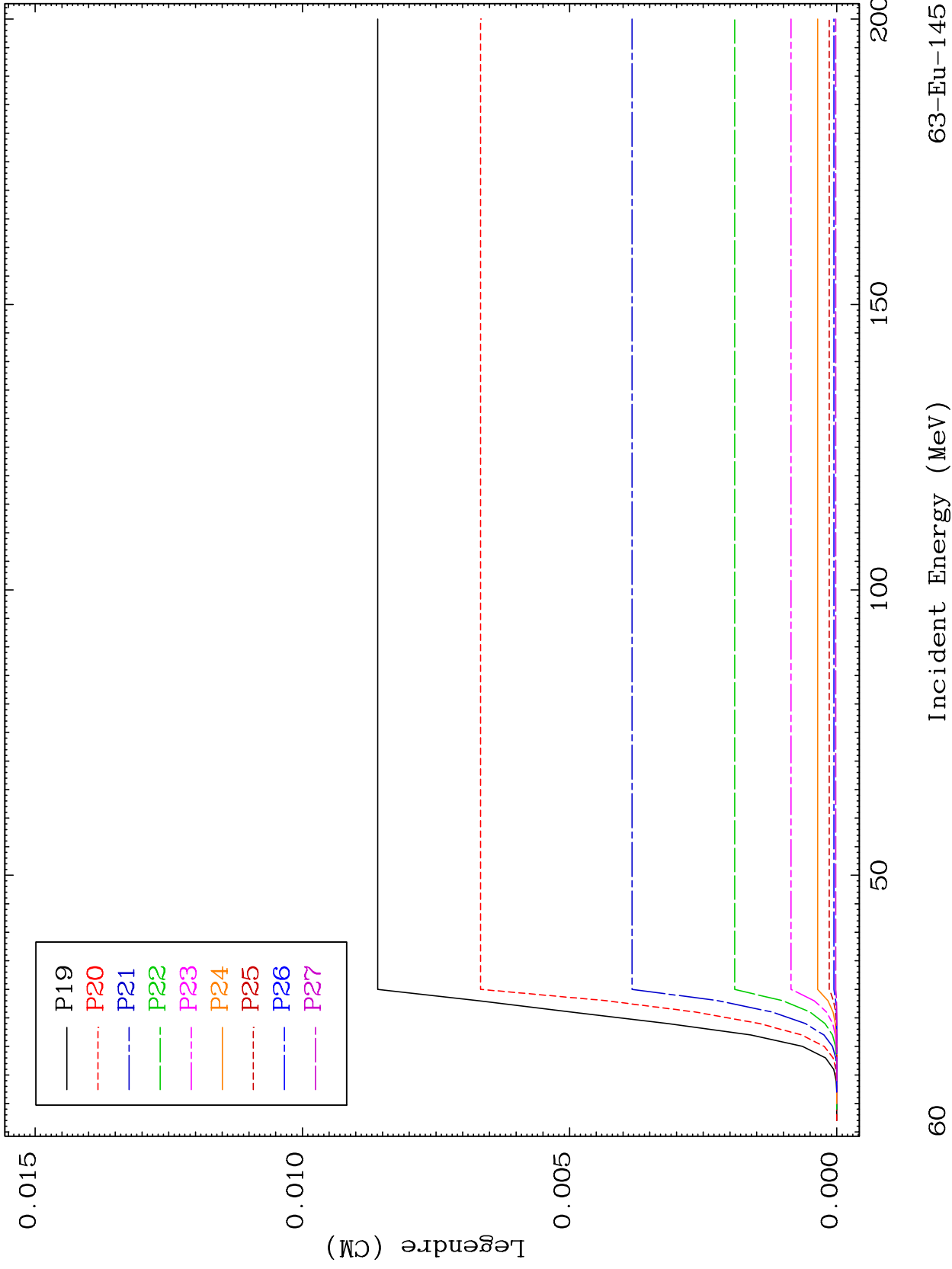
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



63-Eu-145

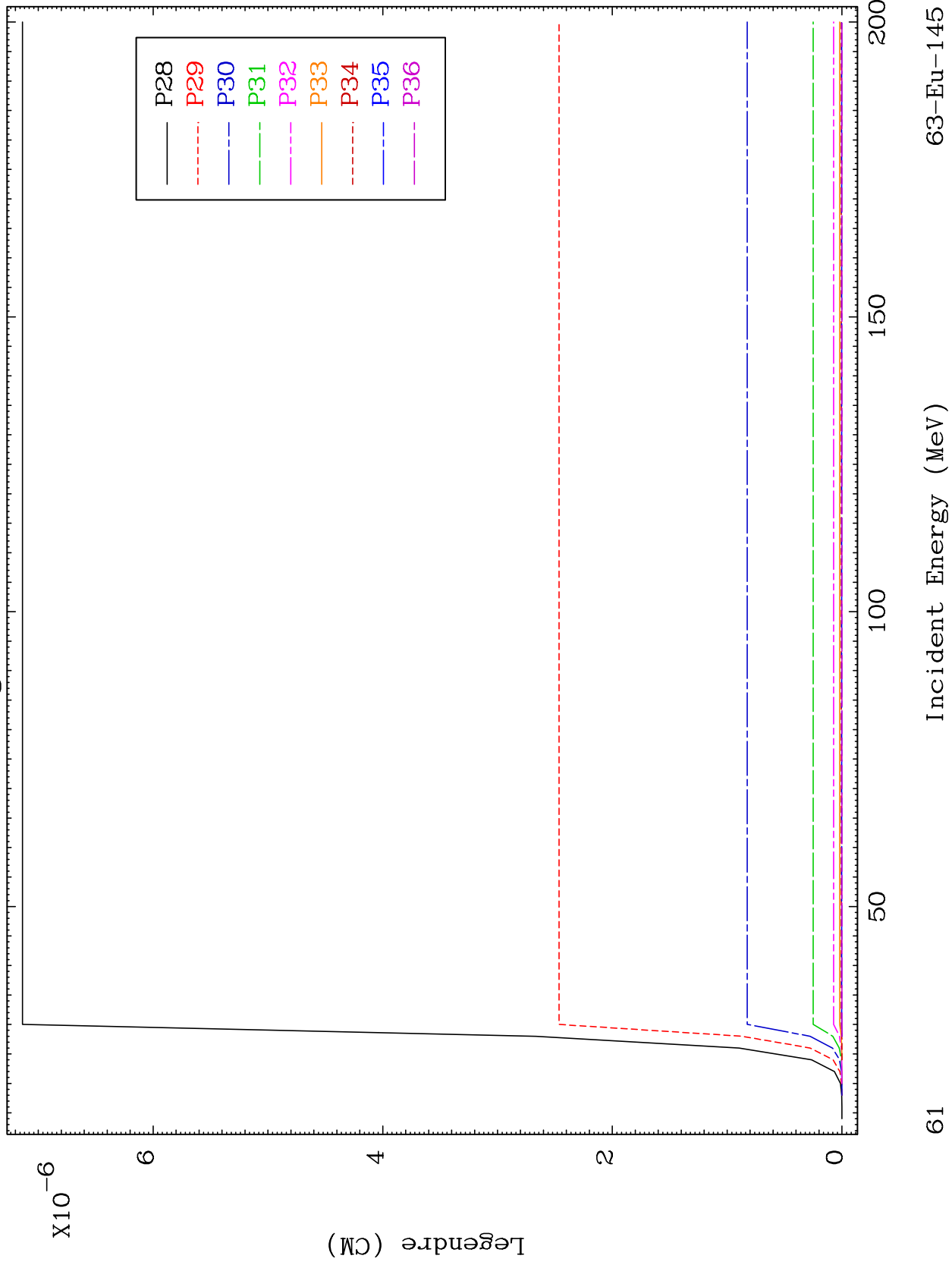
Incident Energy (MeV)

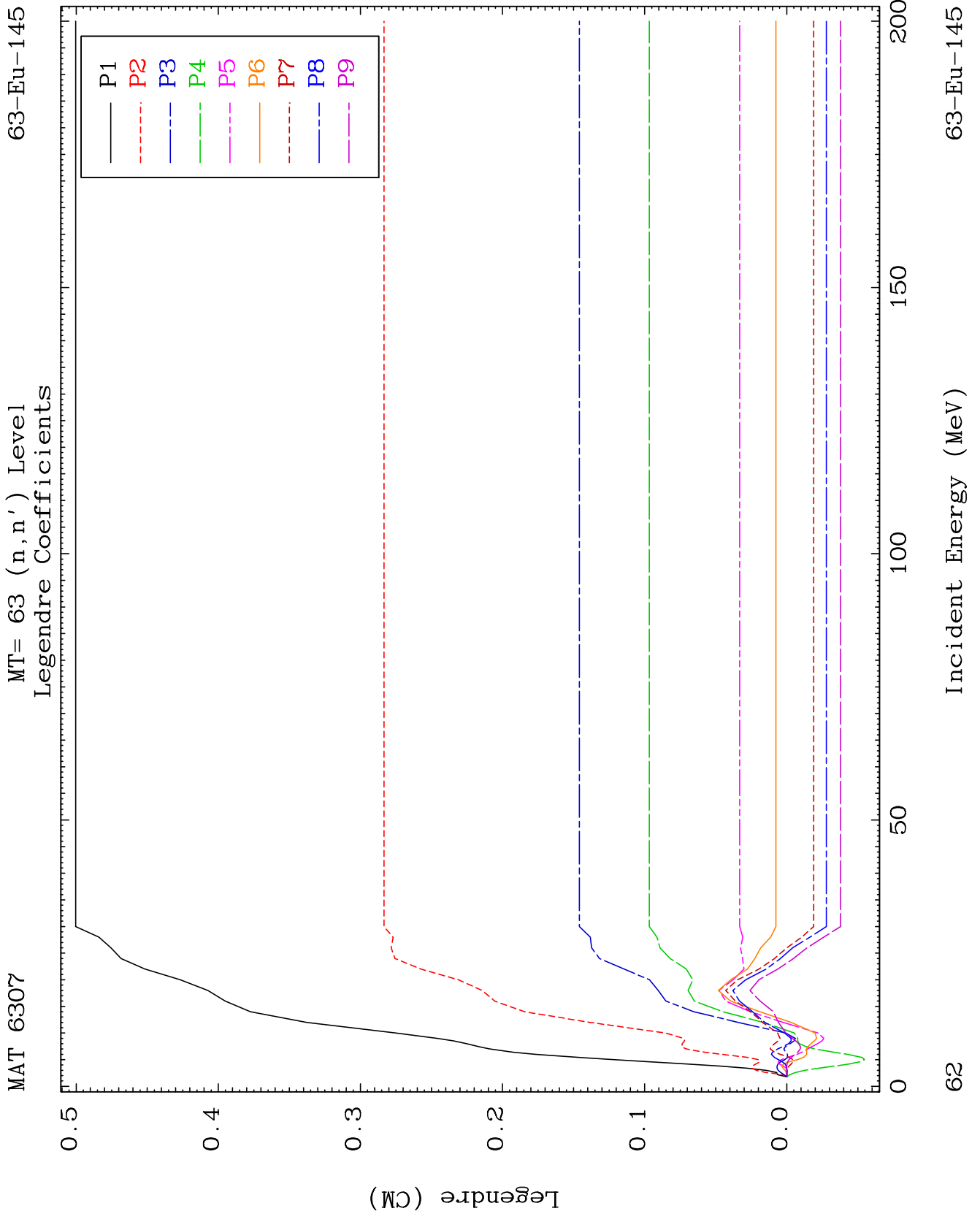
60

MAT 6307

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

63-Eu-145

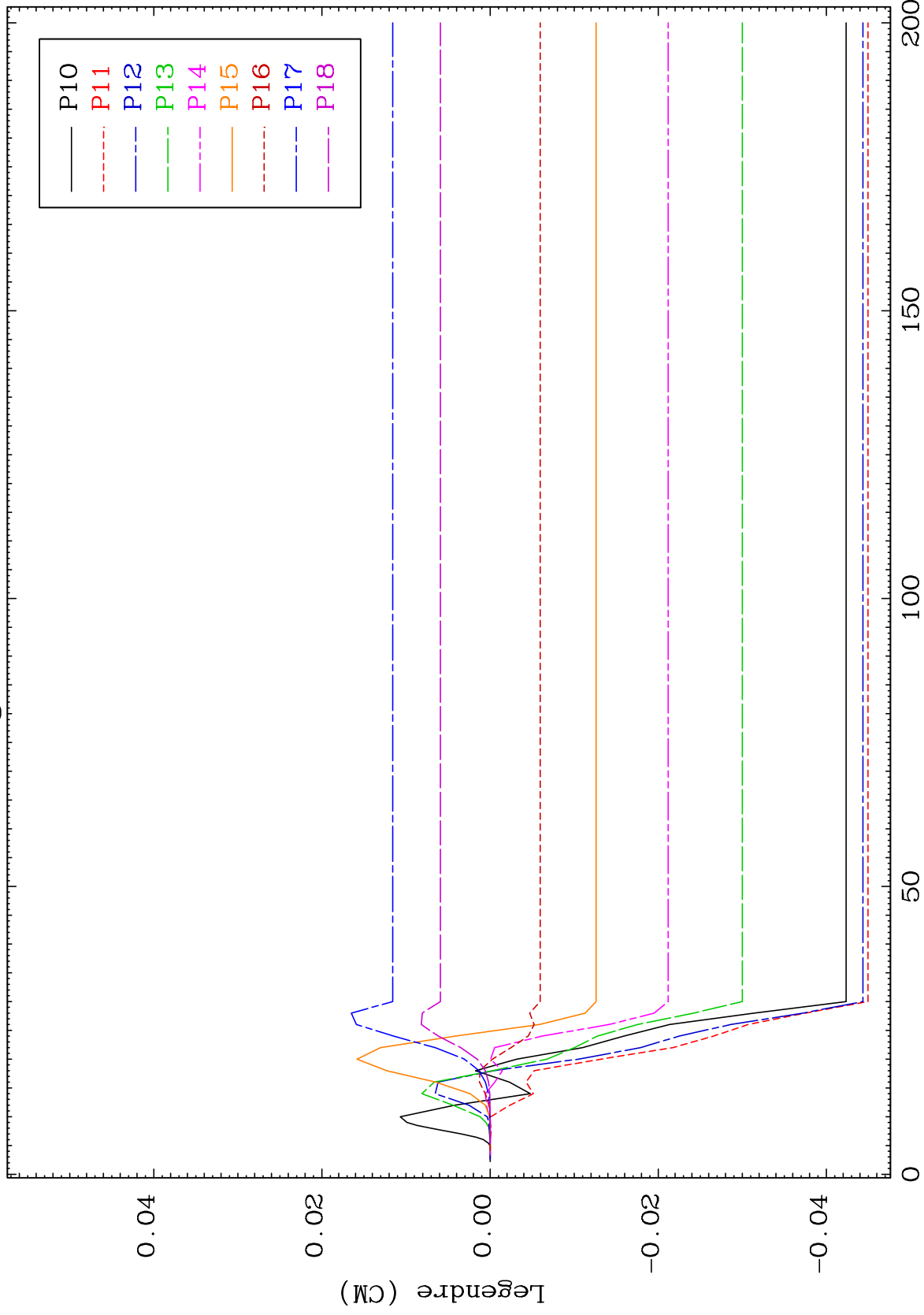




MAT 6307

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

63-Eu-145



63

Incident Energy (MeV)

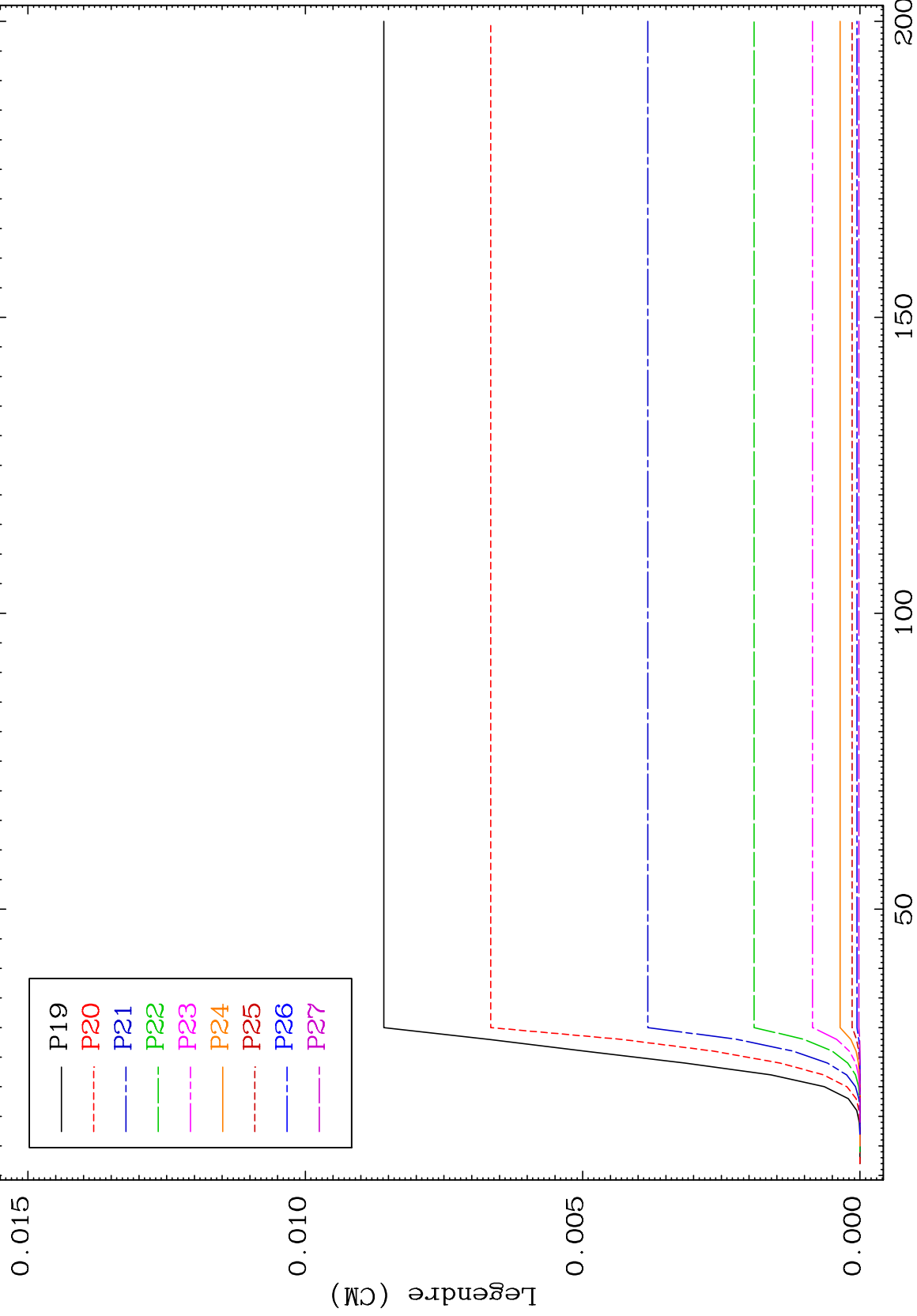
63-Eu-145



MAT 6307

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

63-Eu-145



64

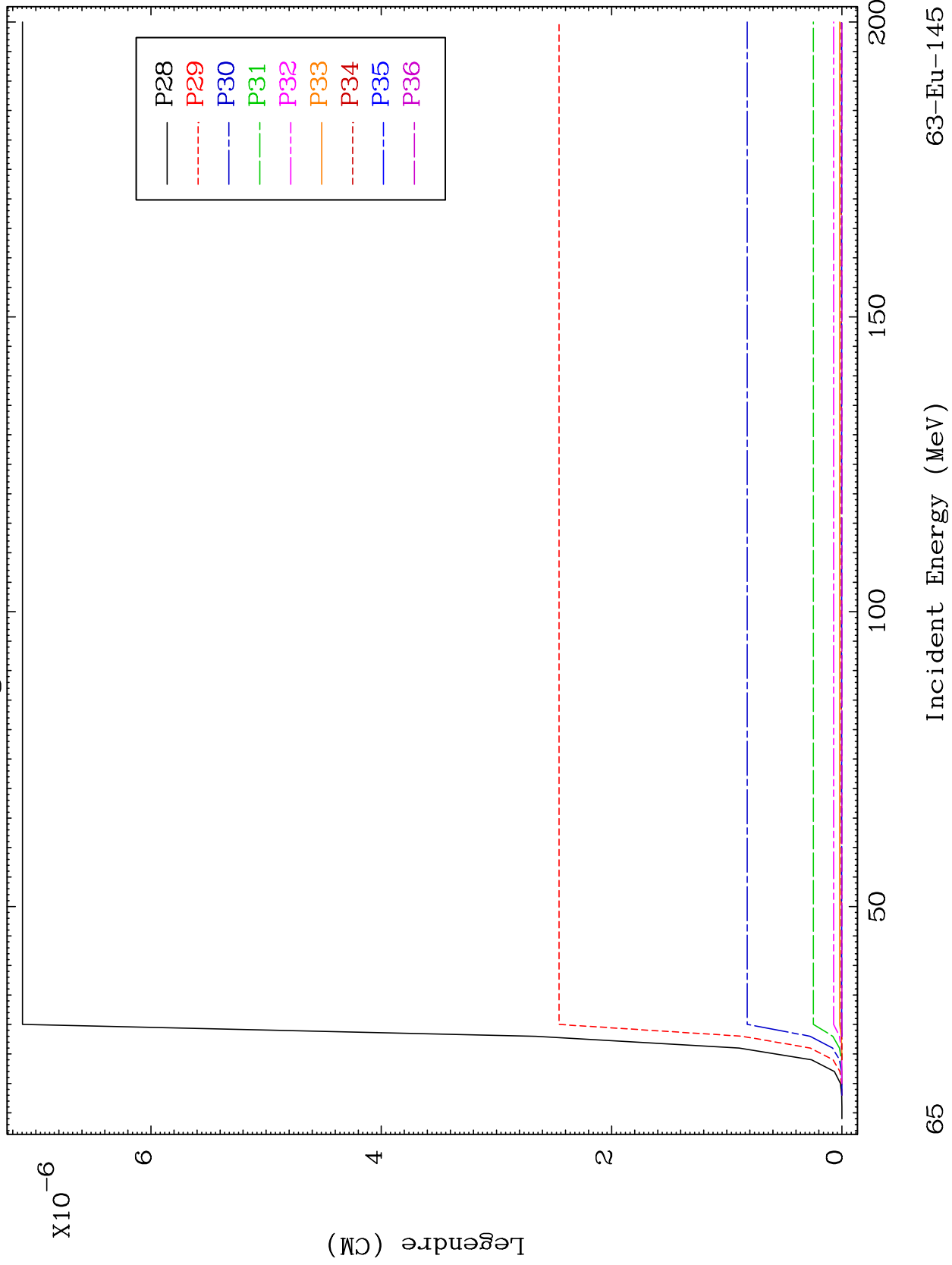
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



65

Incident Energy (MeV)

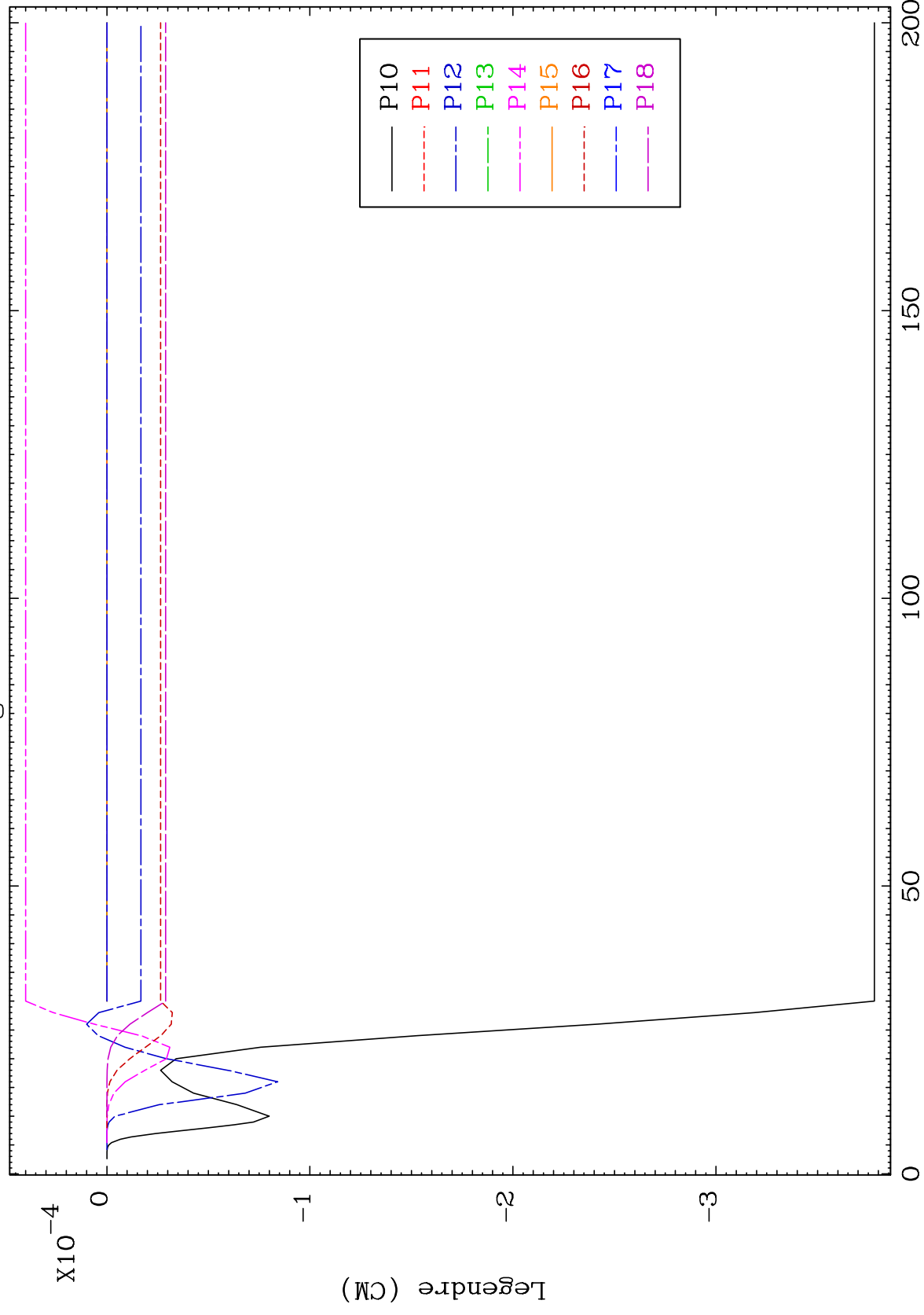
63-Eu-145



MAT 6307

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

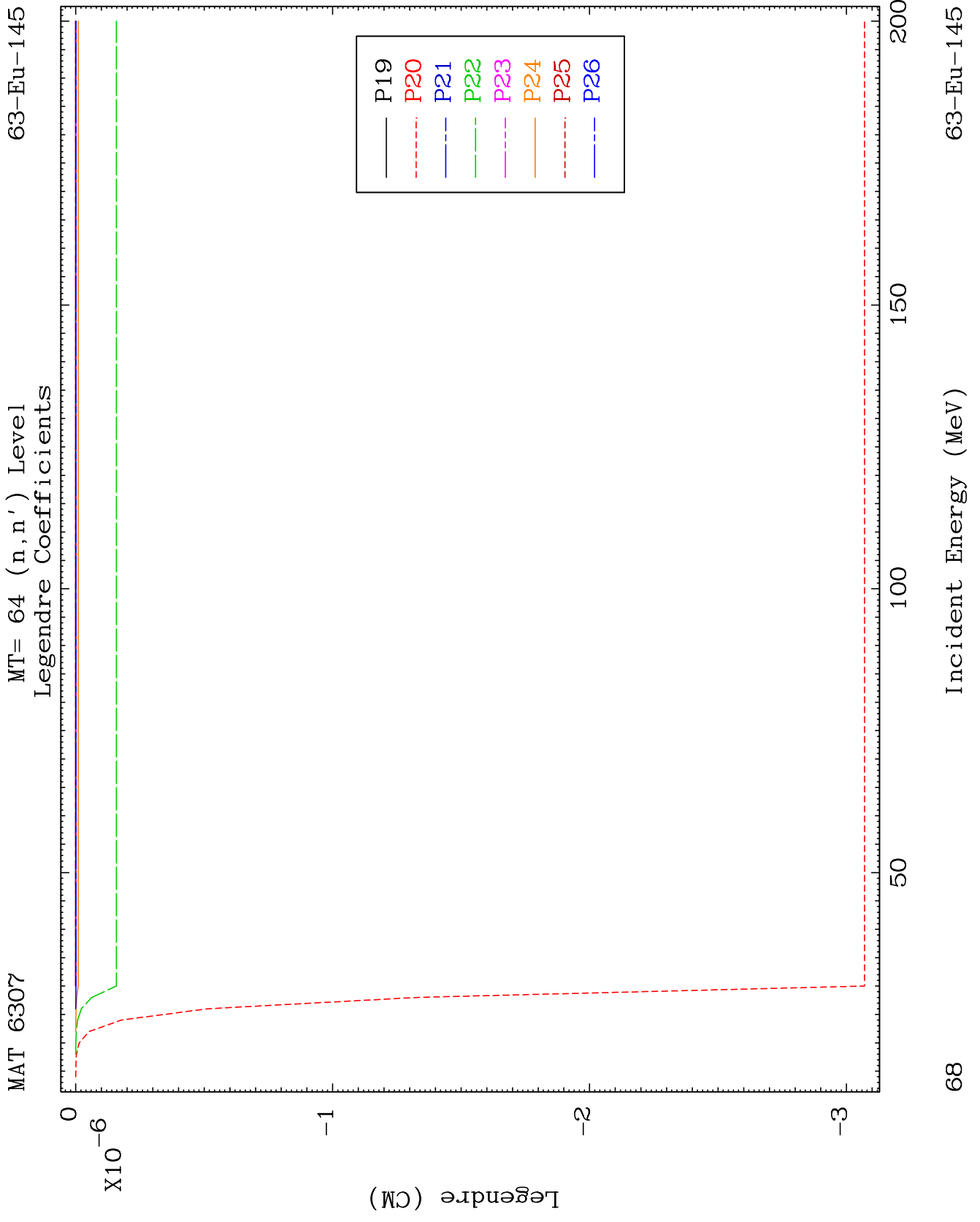
63-Eu-145

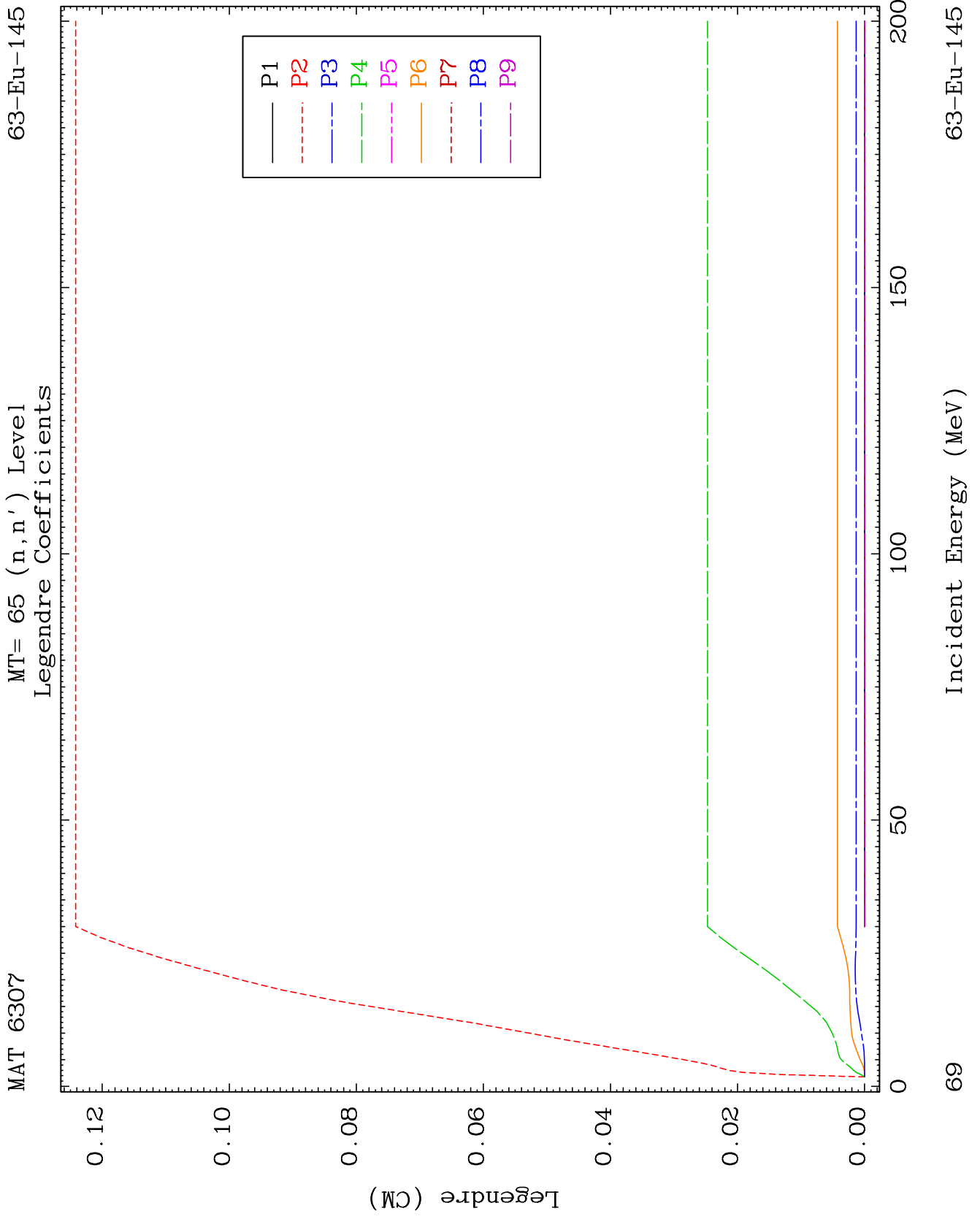


67

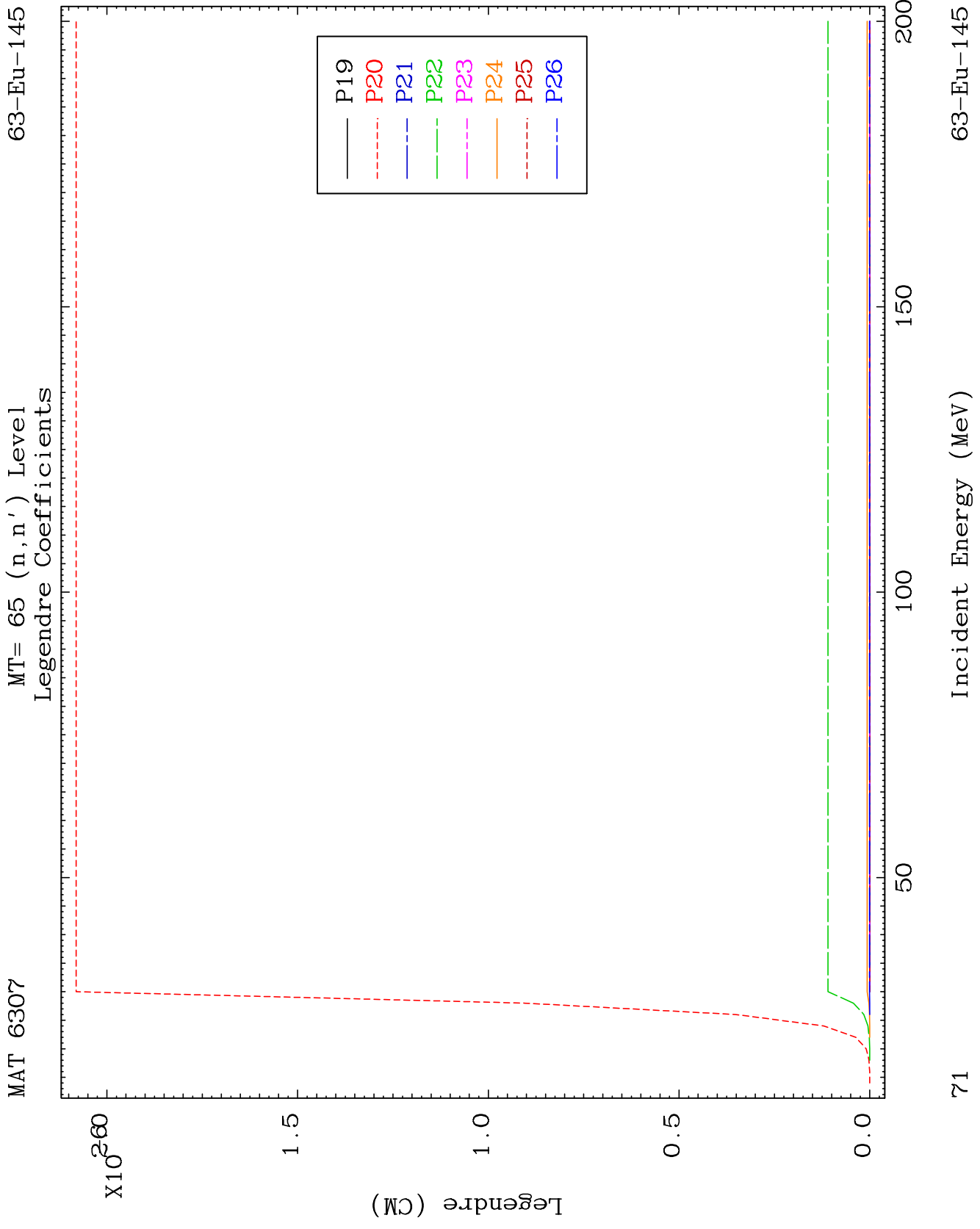
Incident Energy (MeV)

63-Eu-145







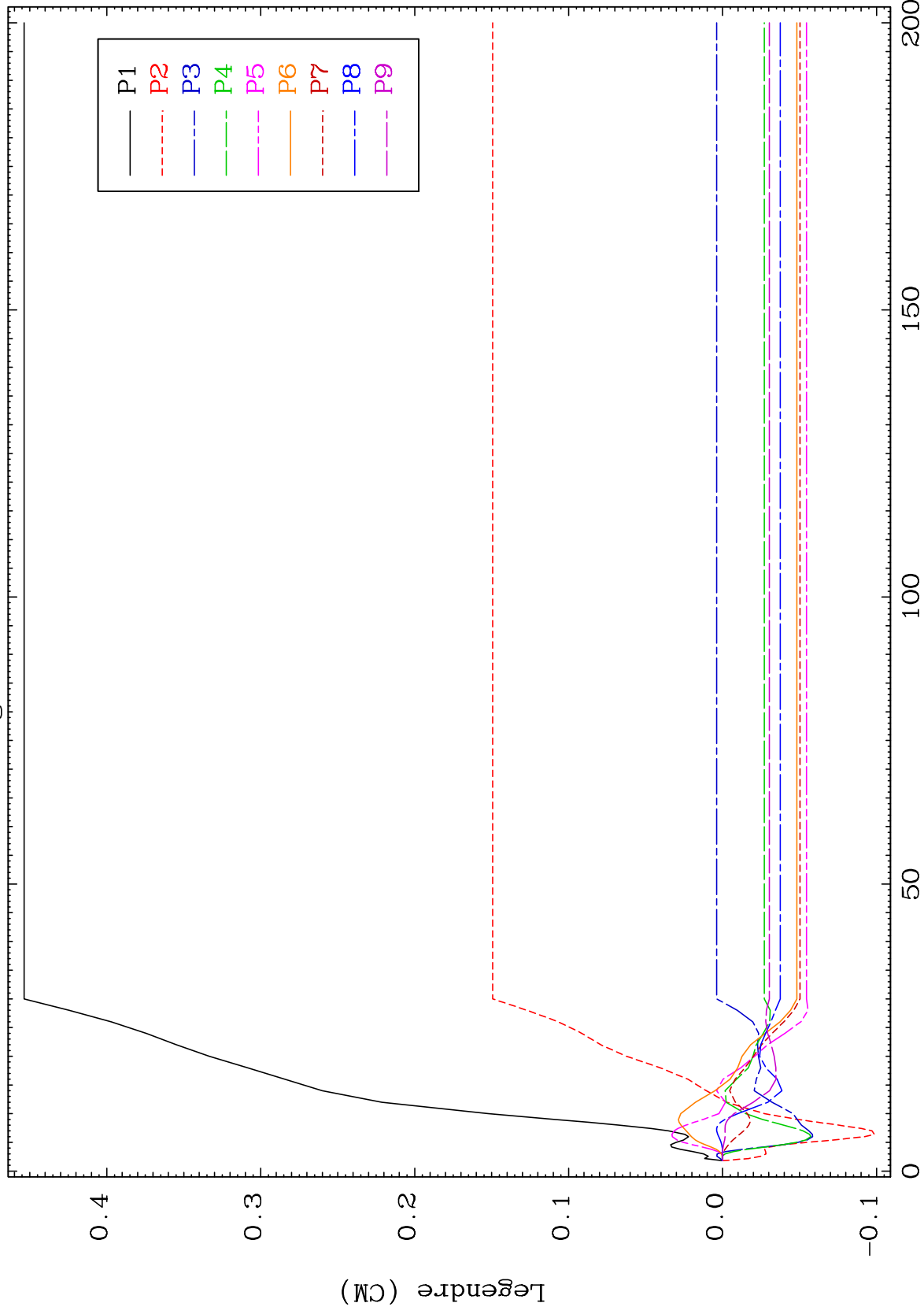




MAT 6307

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

63-Eu-145



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Incident Energy (MeV)

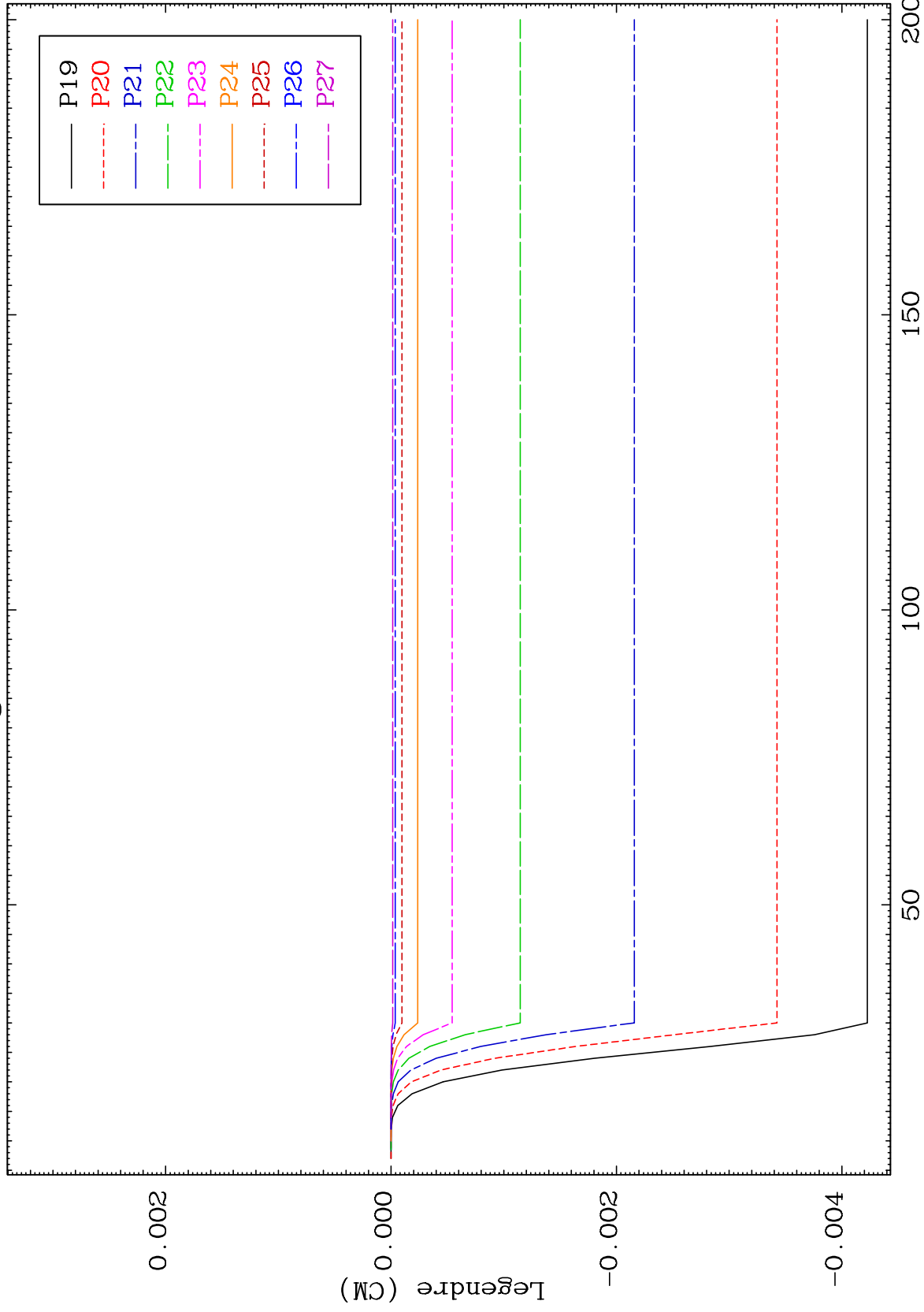
63-Eu-145



MAT 6307

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

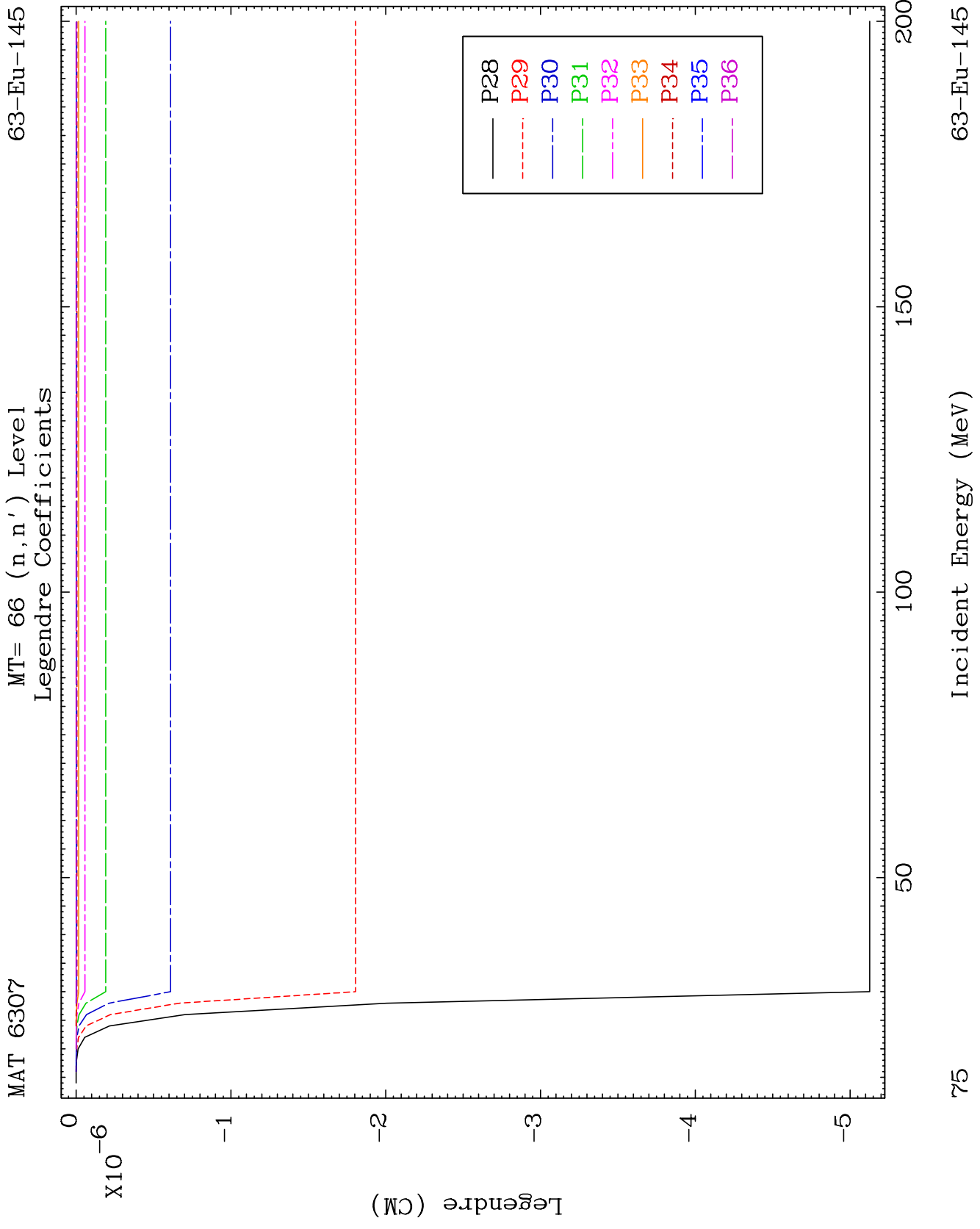
63-Eu-145

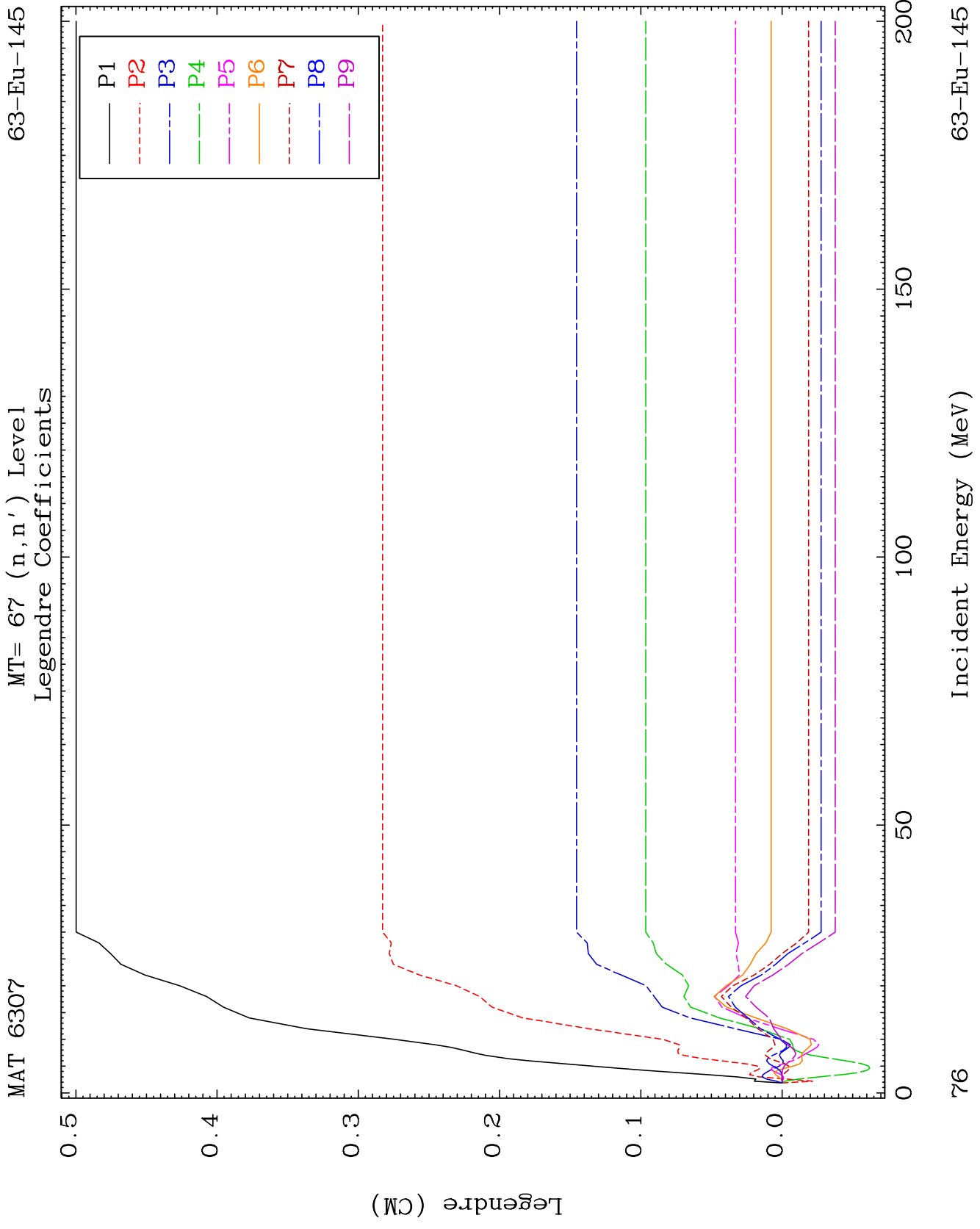


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Incident Energy (MeV)

63-Eu-145

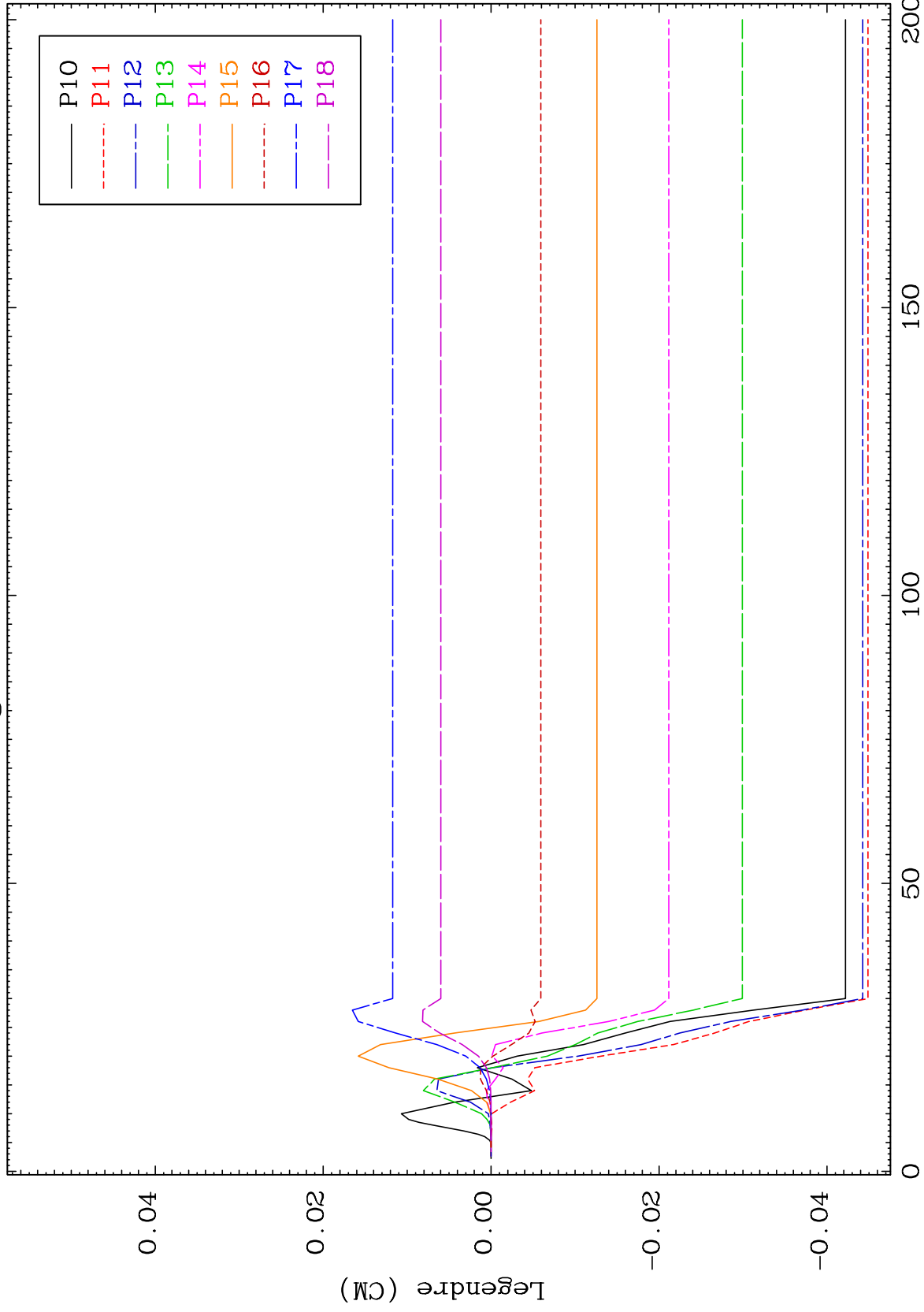




MAT 6307

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

63-Eu-145



77

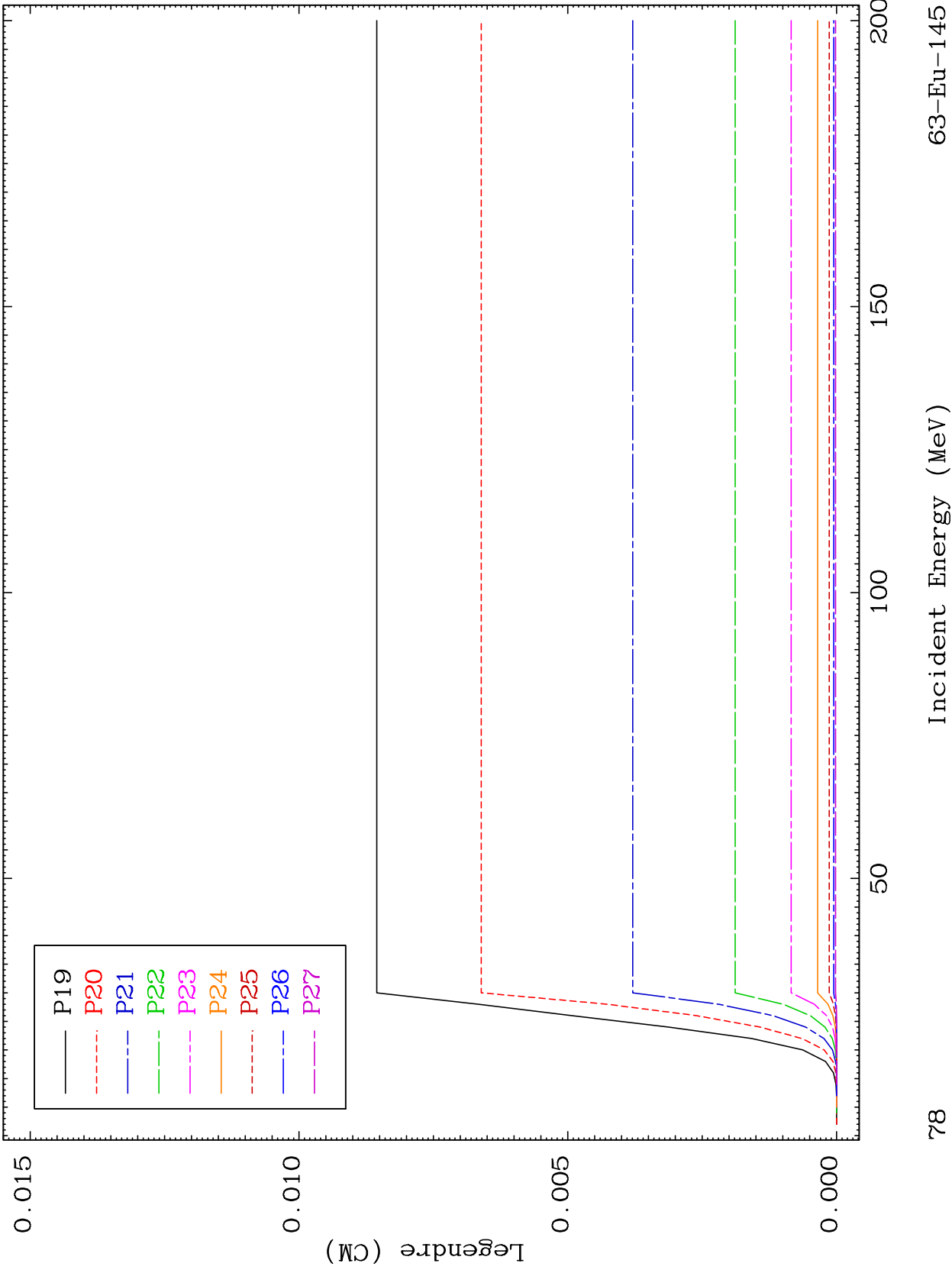
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



78

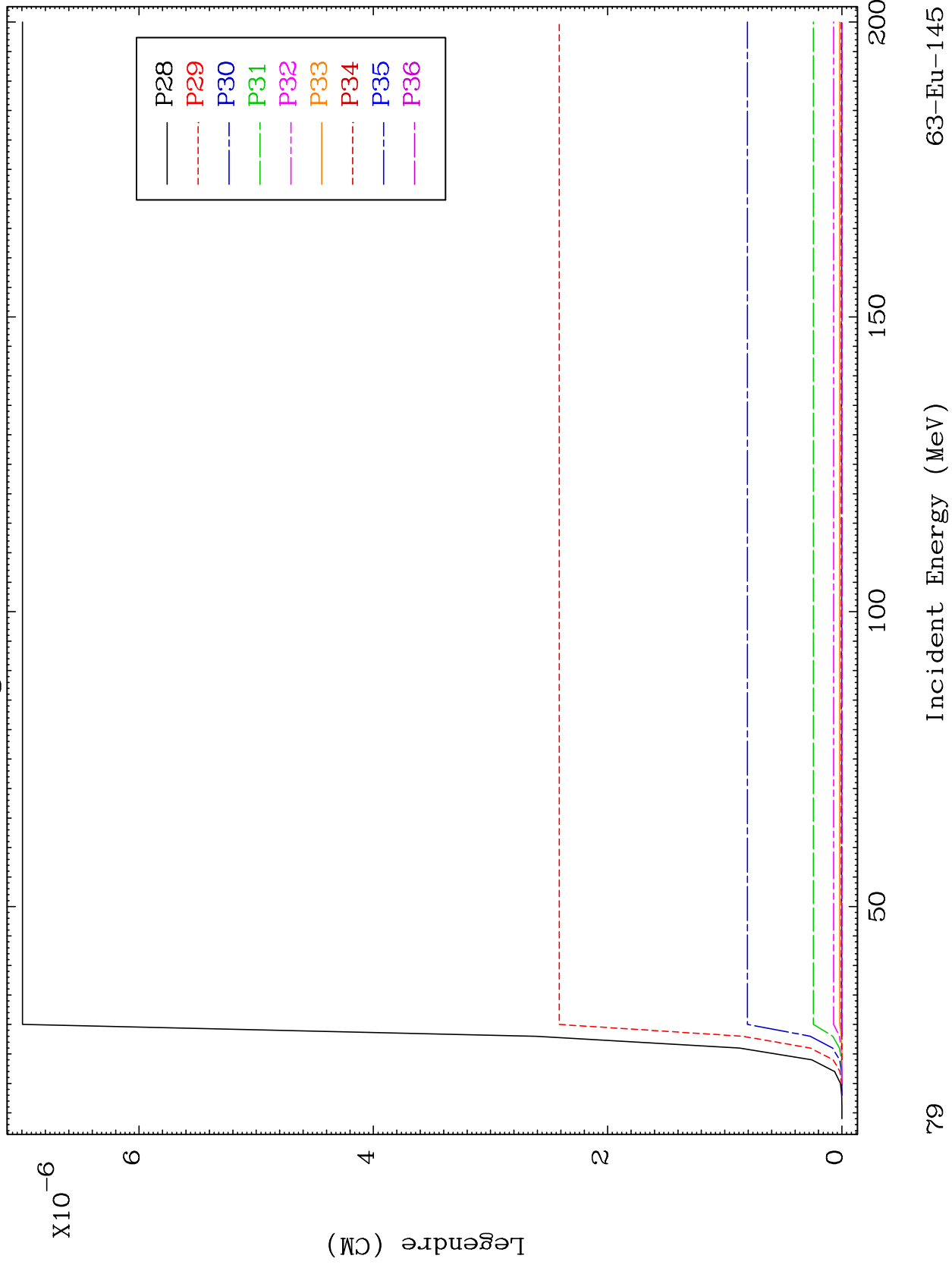
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145

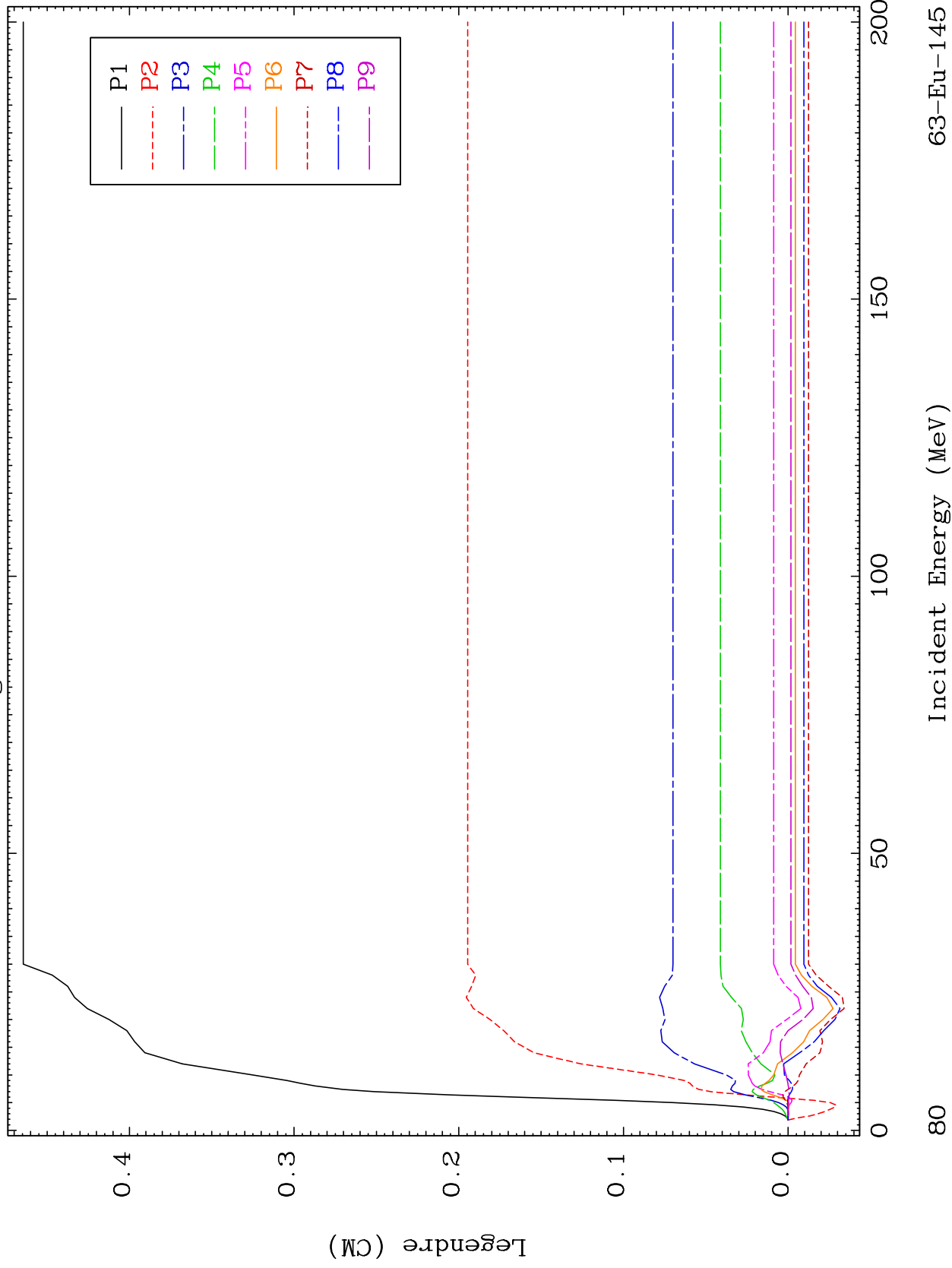




MAT 6307

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

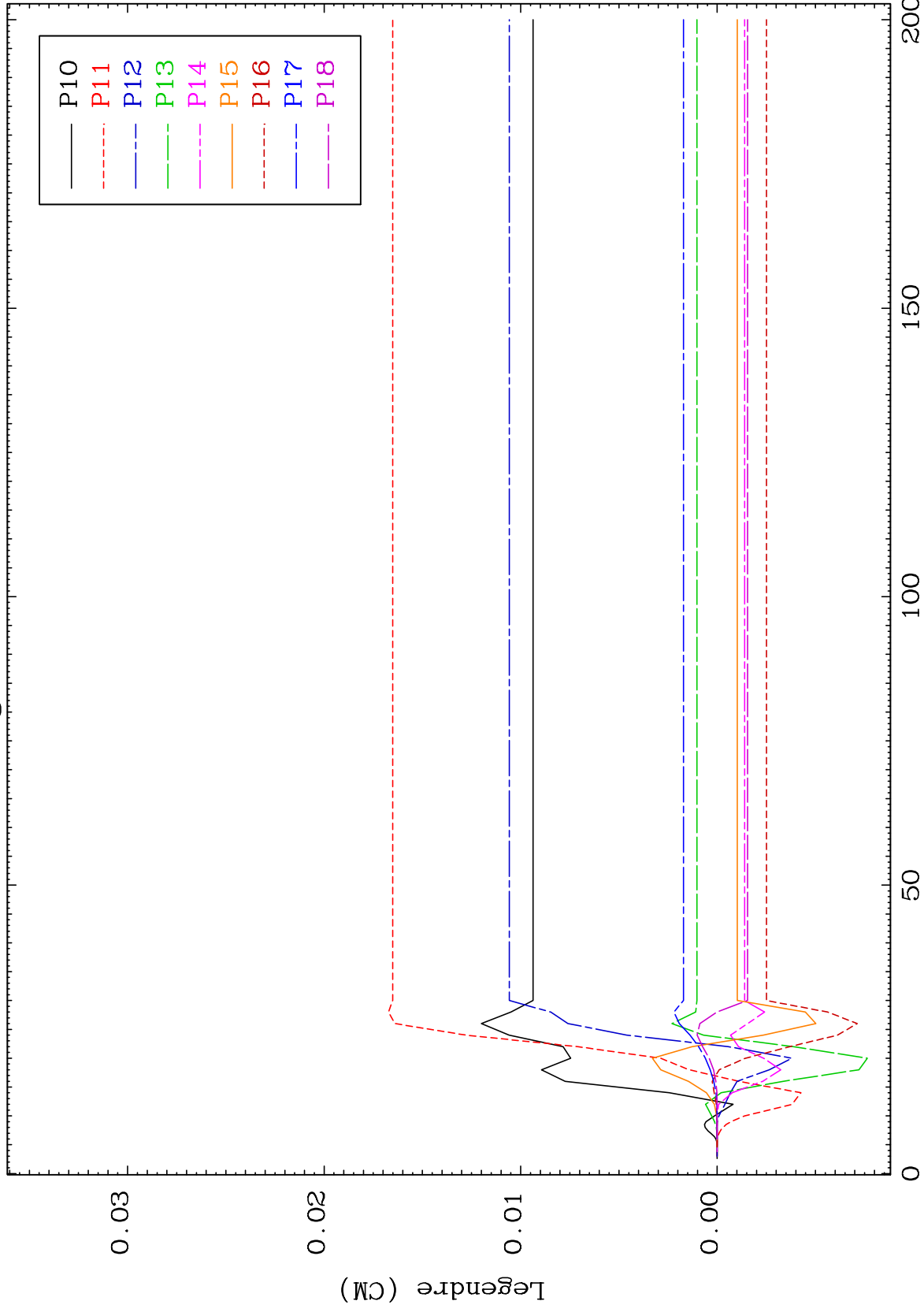
63-Eu-145



MAT 6307

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

63-Eu-145



81

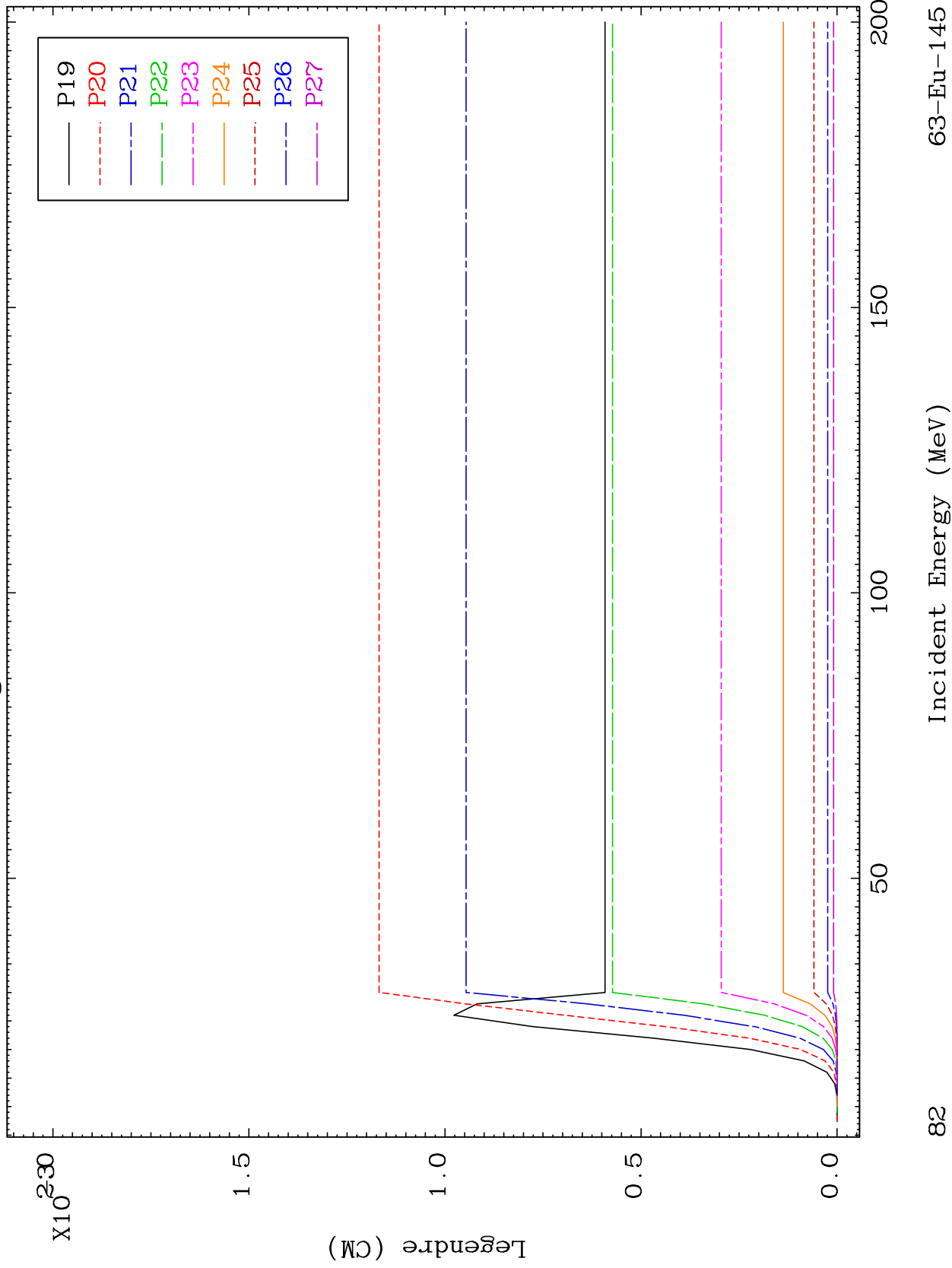
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

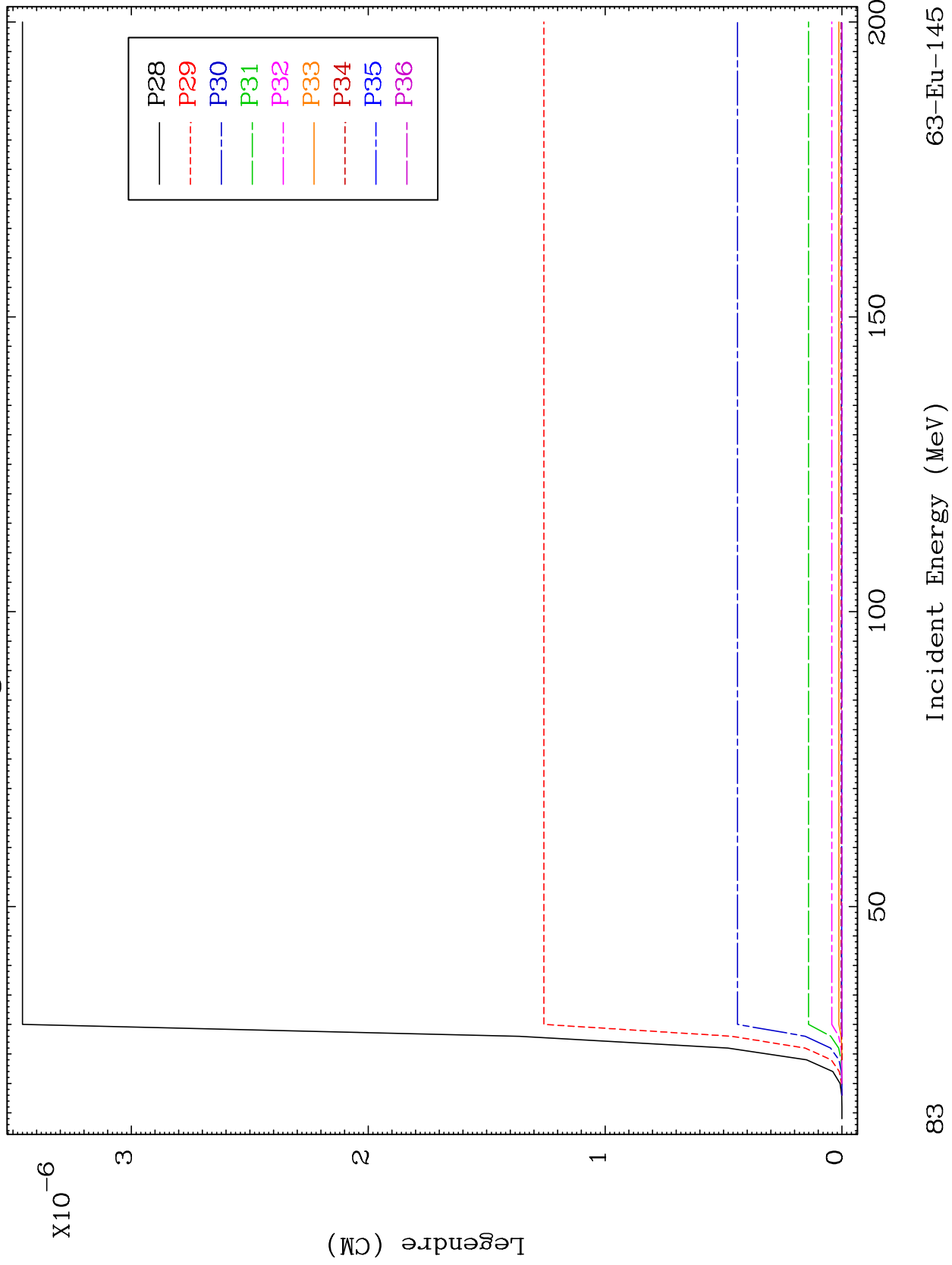
63-Eu-145



MAT 6307

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

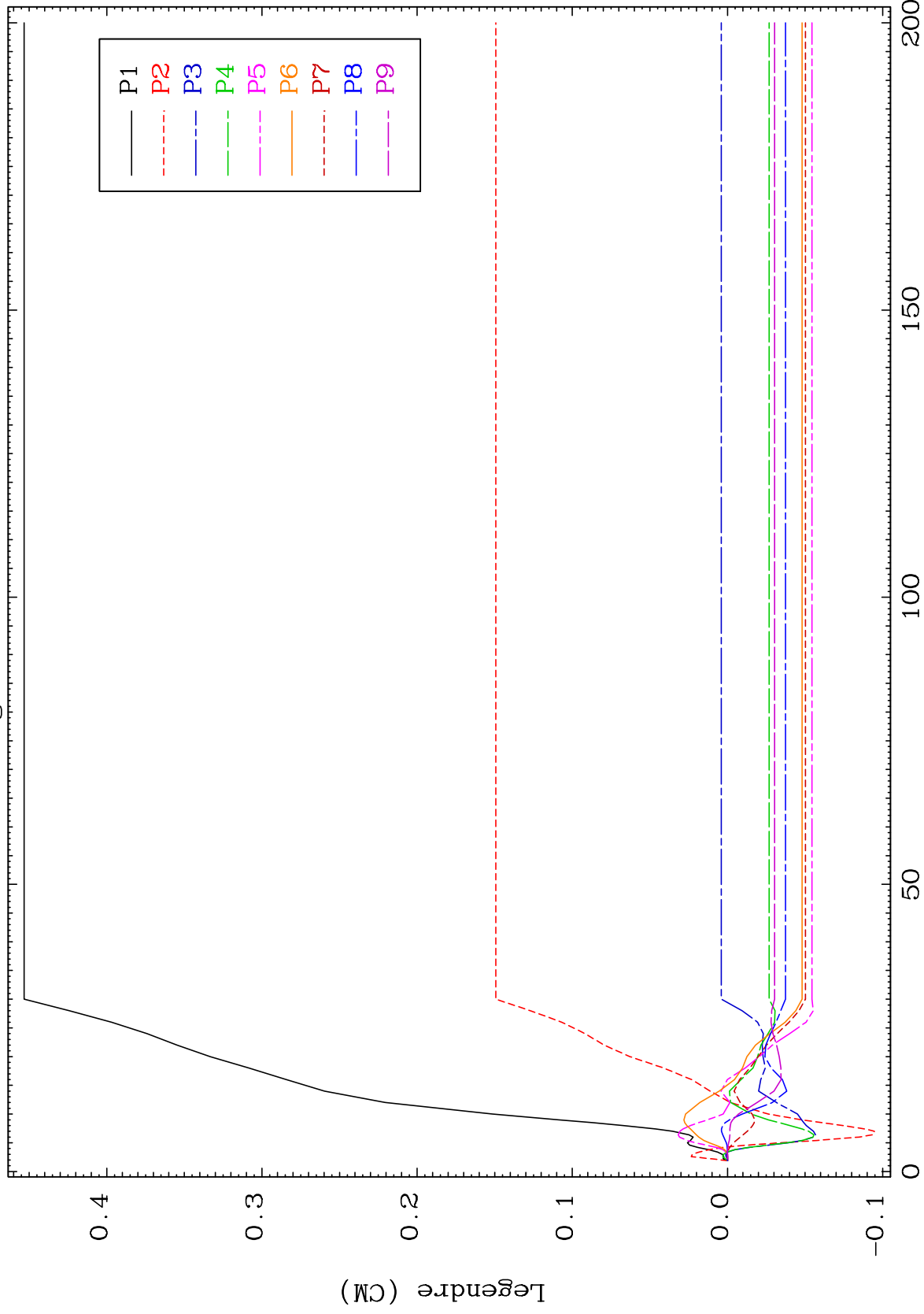
63-Eu-145



MAT 6307

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

63-Eu-145



63-Eu-145

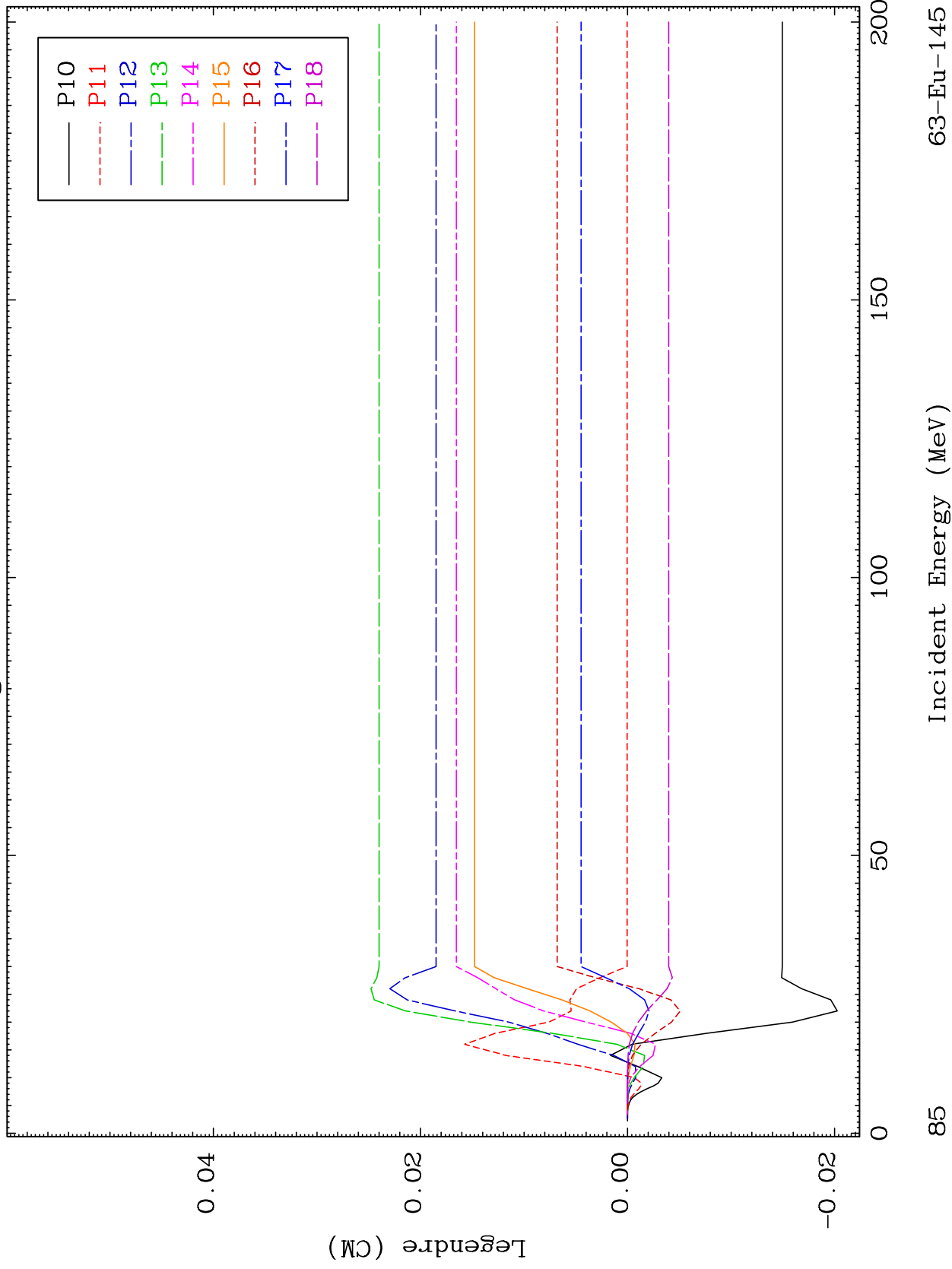
Incident Energy (MeV)

84

MAT 6307

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

63-Eu-145



63-Eu-145

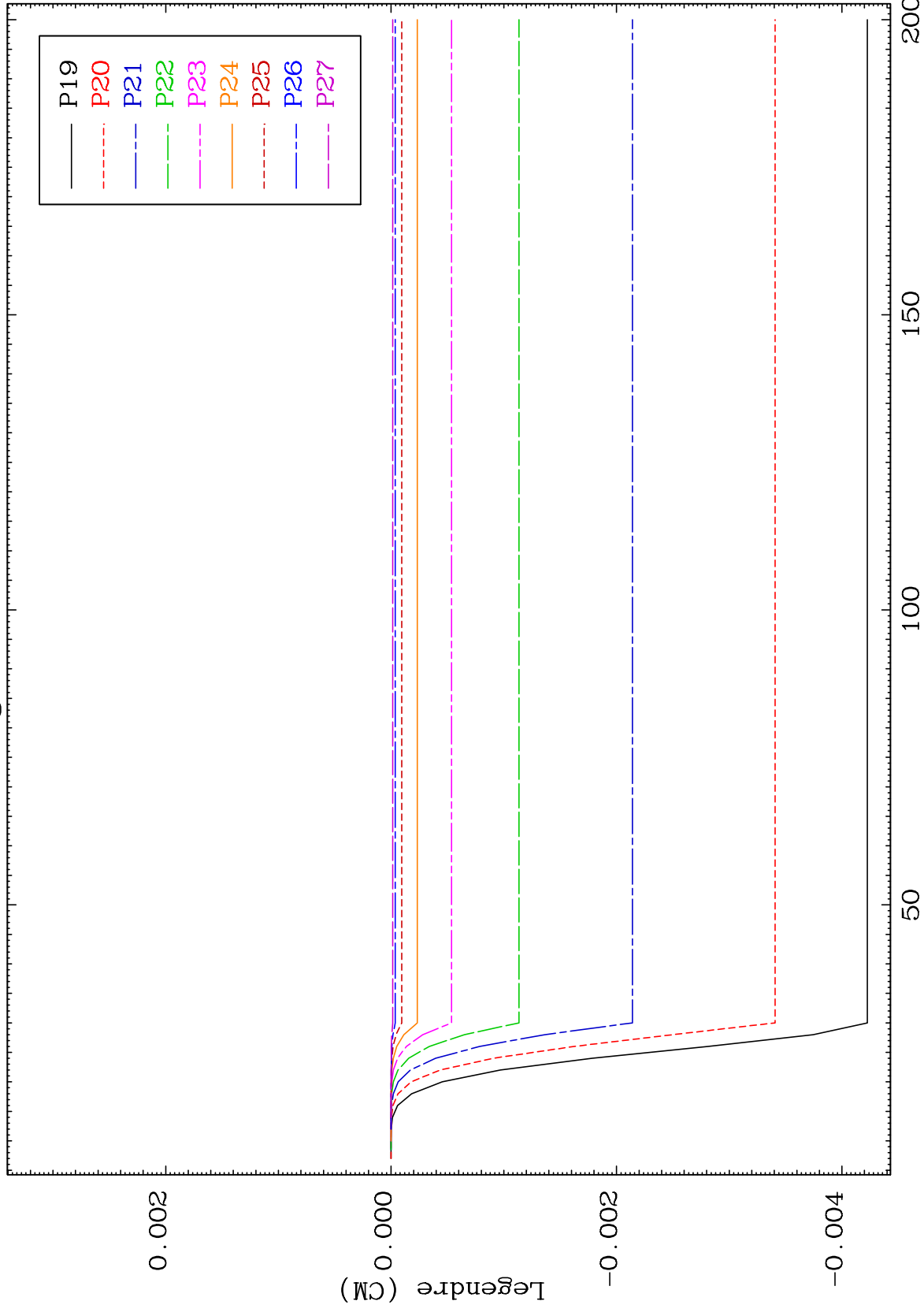
Incident Energy (MeV)

85

MAT 6307

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

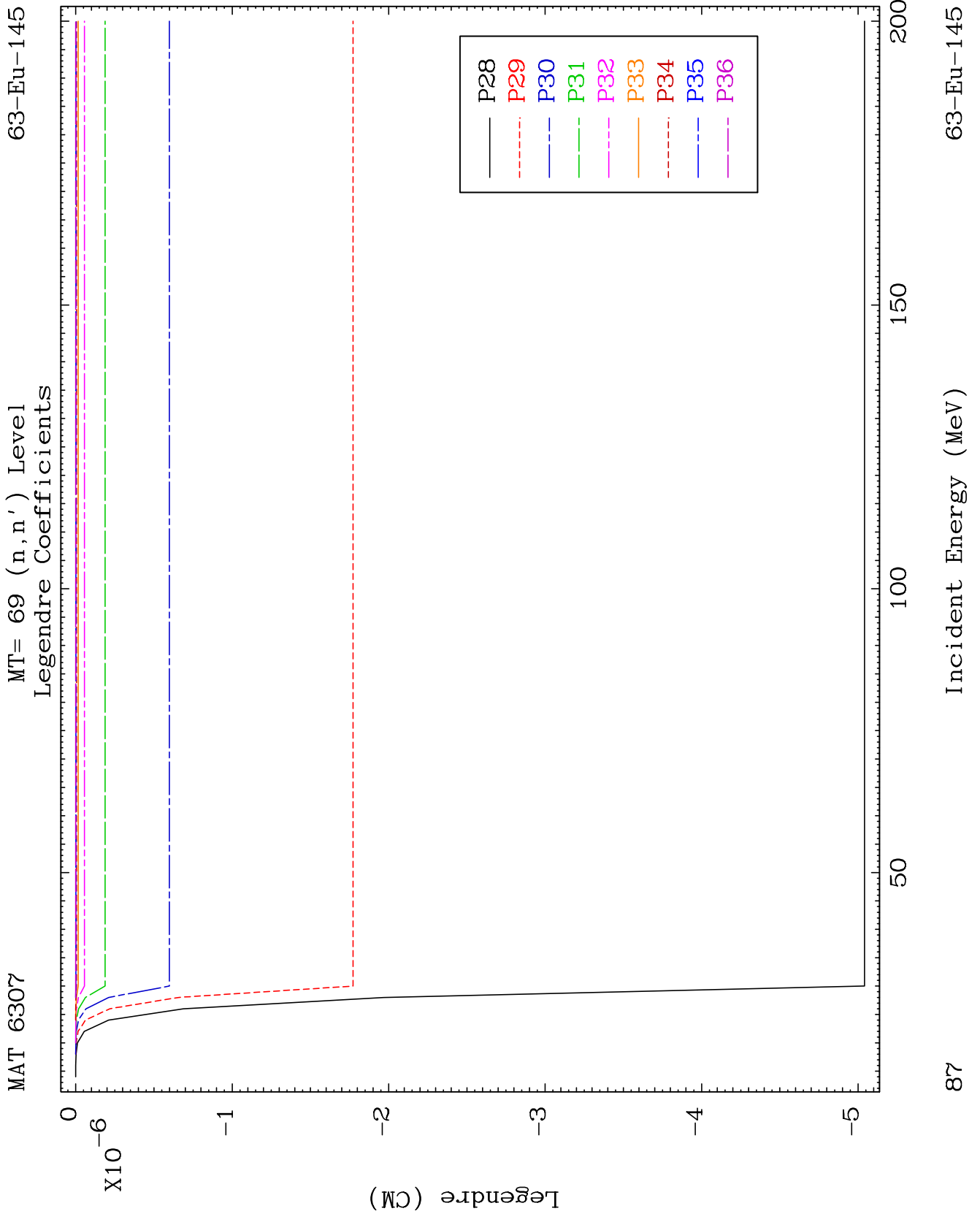
63-Eu-145



86

Incident Energy (MeV)

63-Eu-145

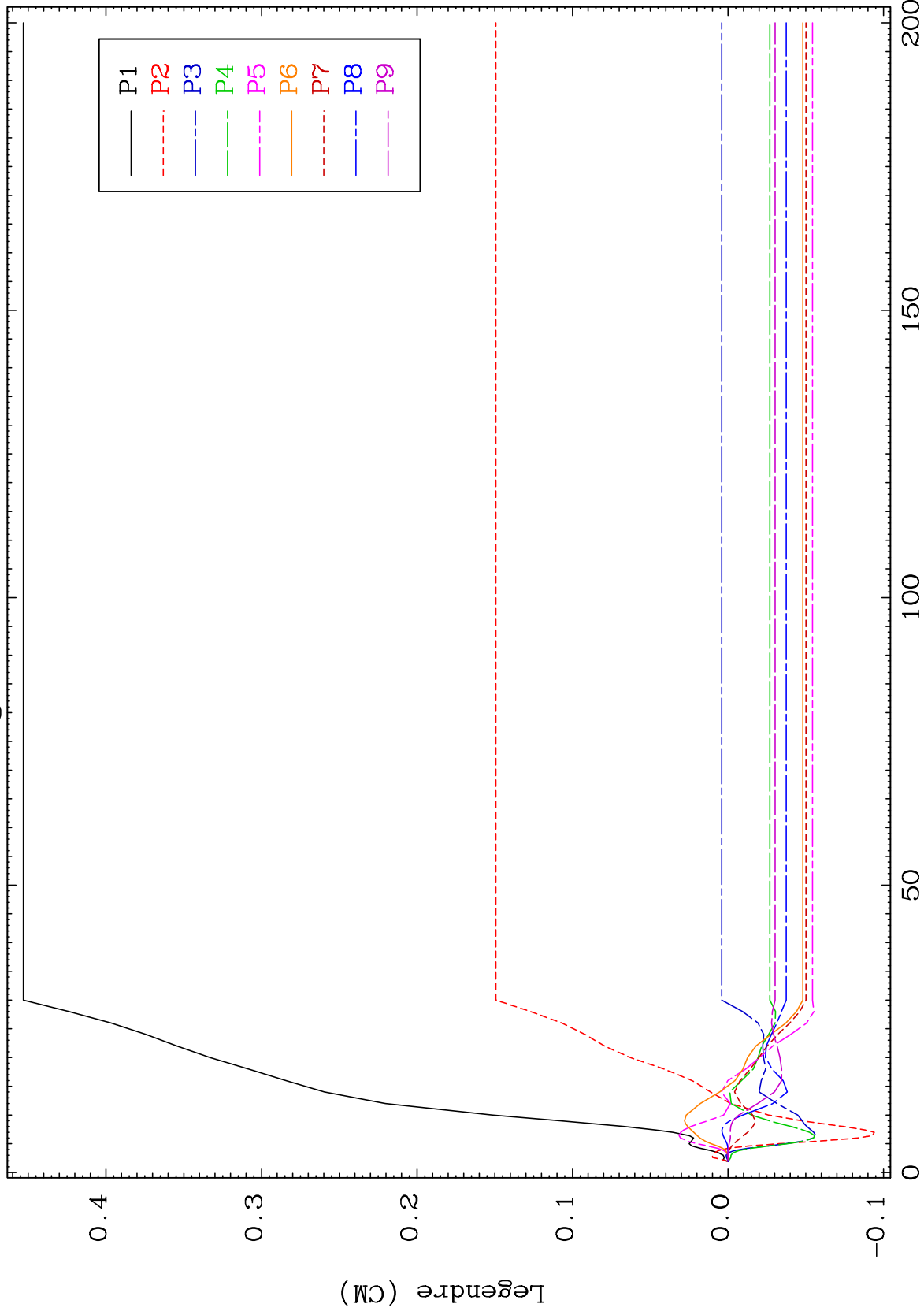




MAT 6307

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

63-Eu-145



88

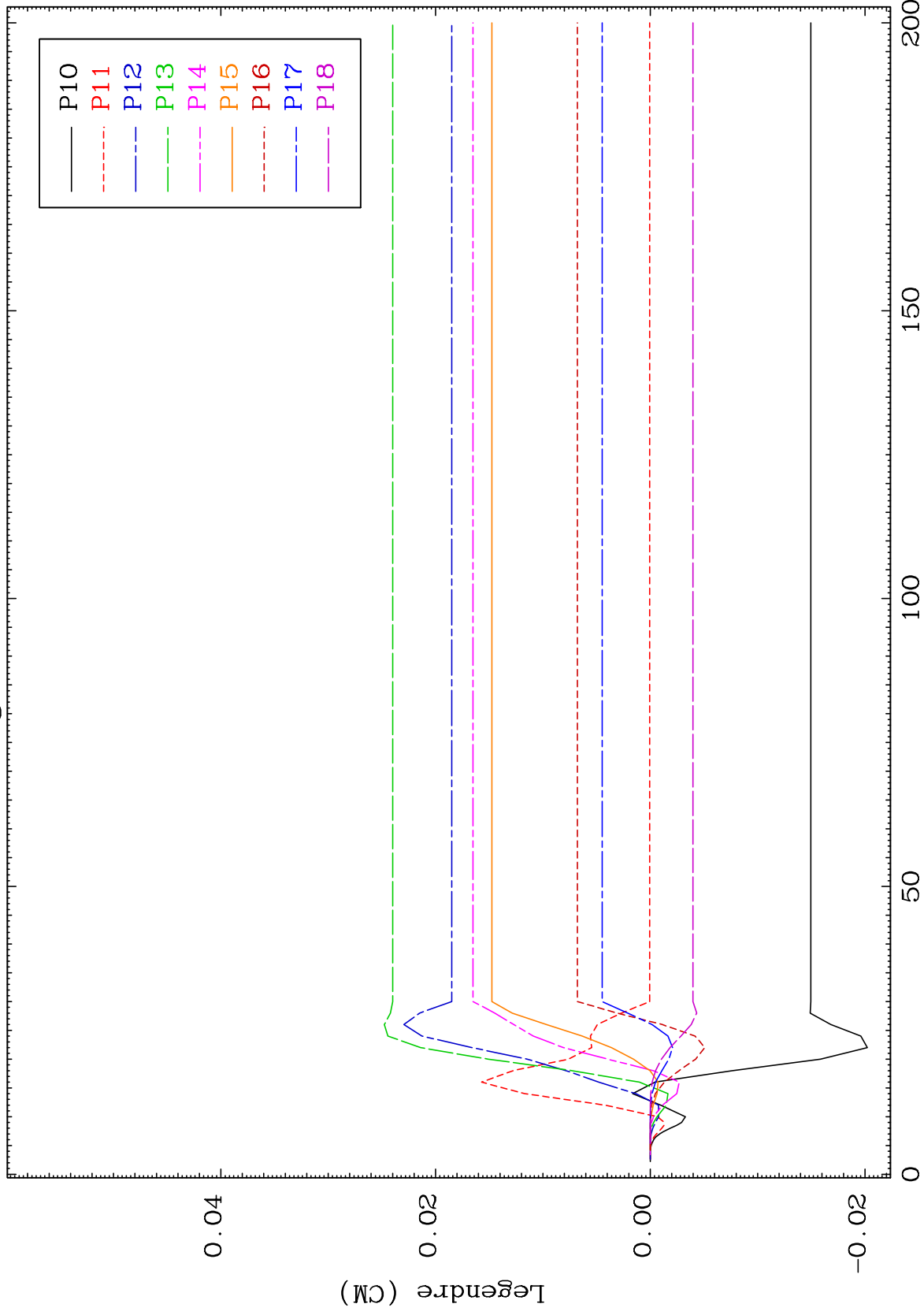
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



89

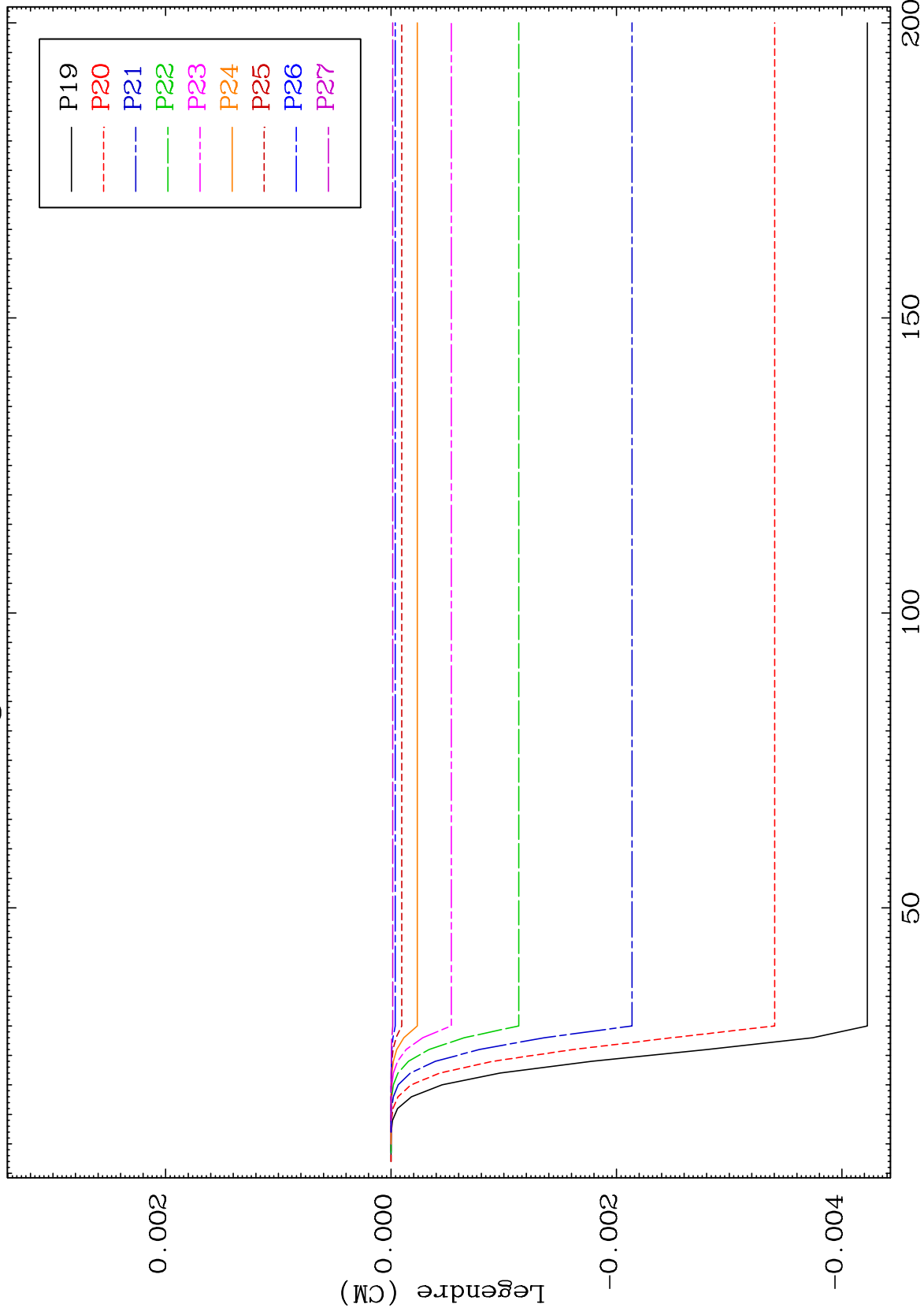
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

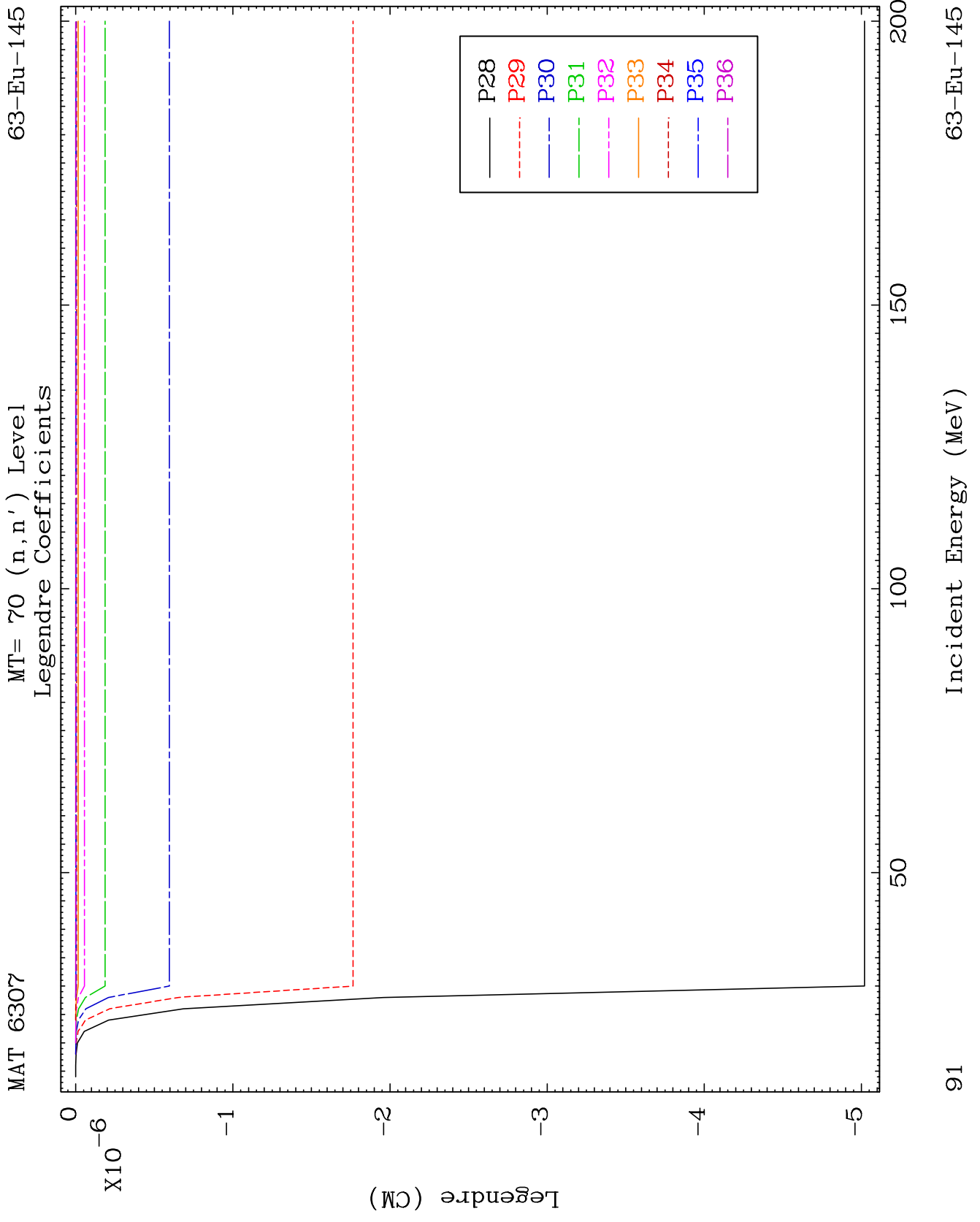
63-Eu-145



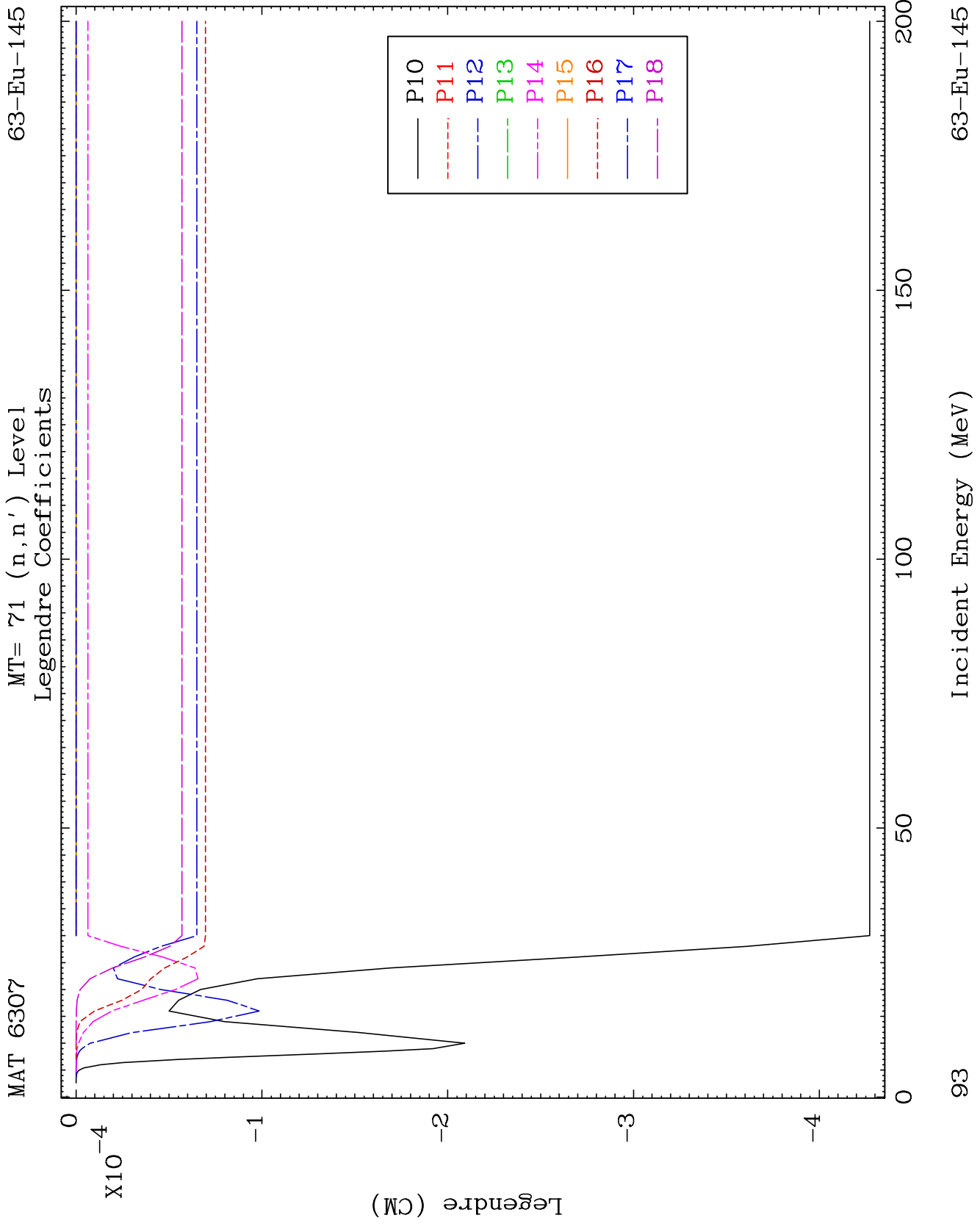
90

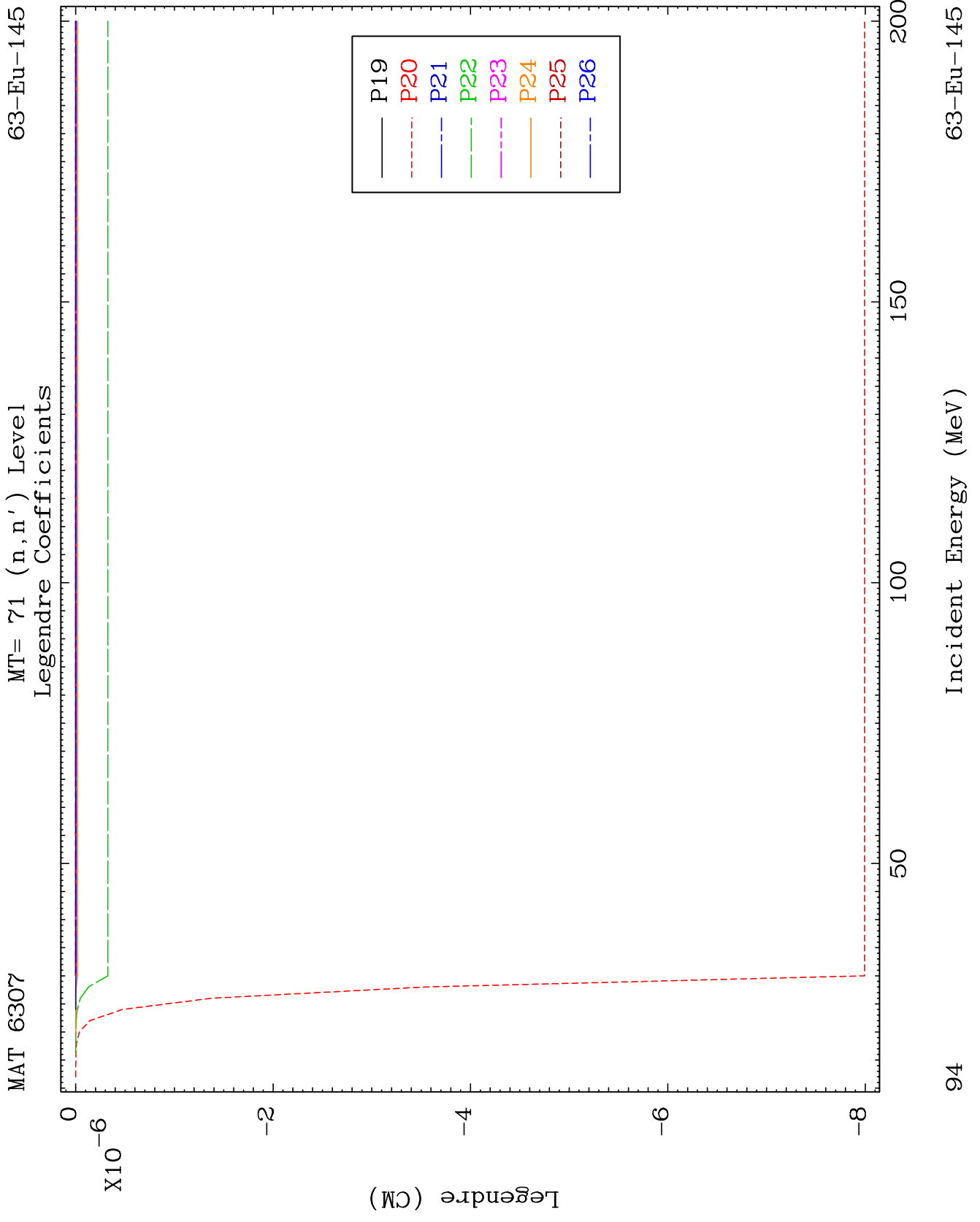
Incident Energy (MeV)

63-Eu-145





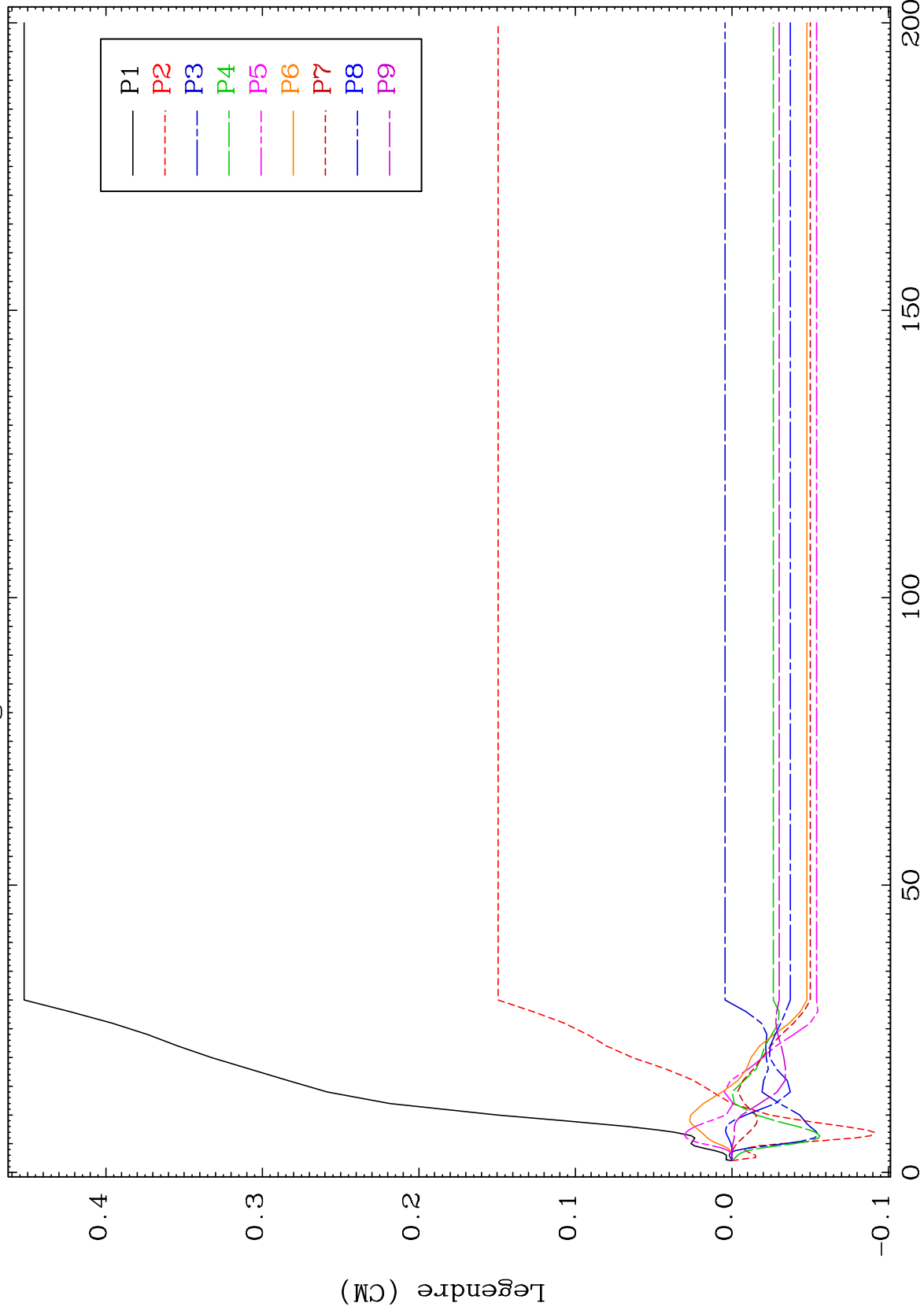




MAT 6307

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

63-Eu-145



95

Incident Energy (MeV)

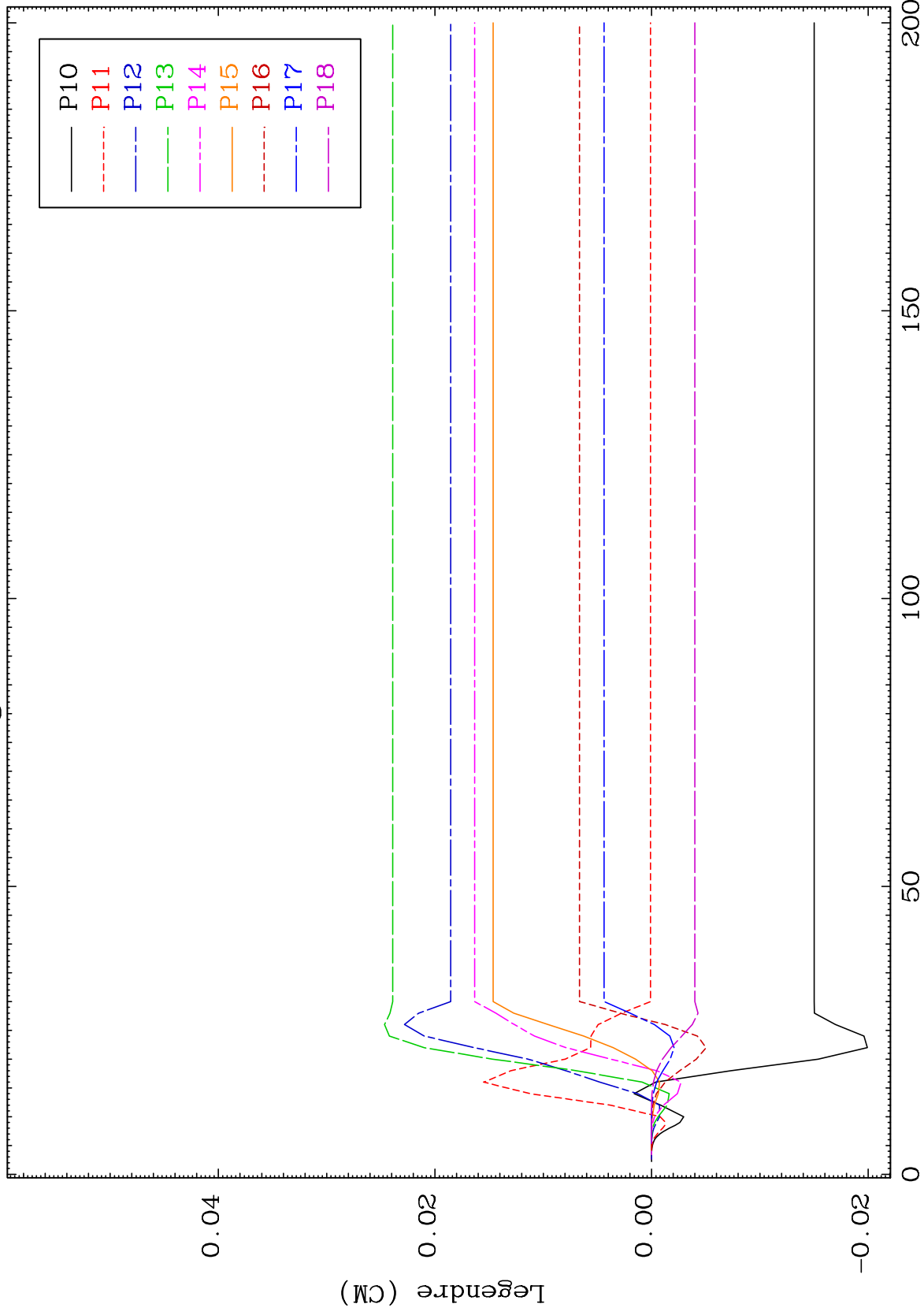
63-Eu-145



MAT 6307

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

63-Eu-145



96

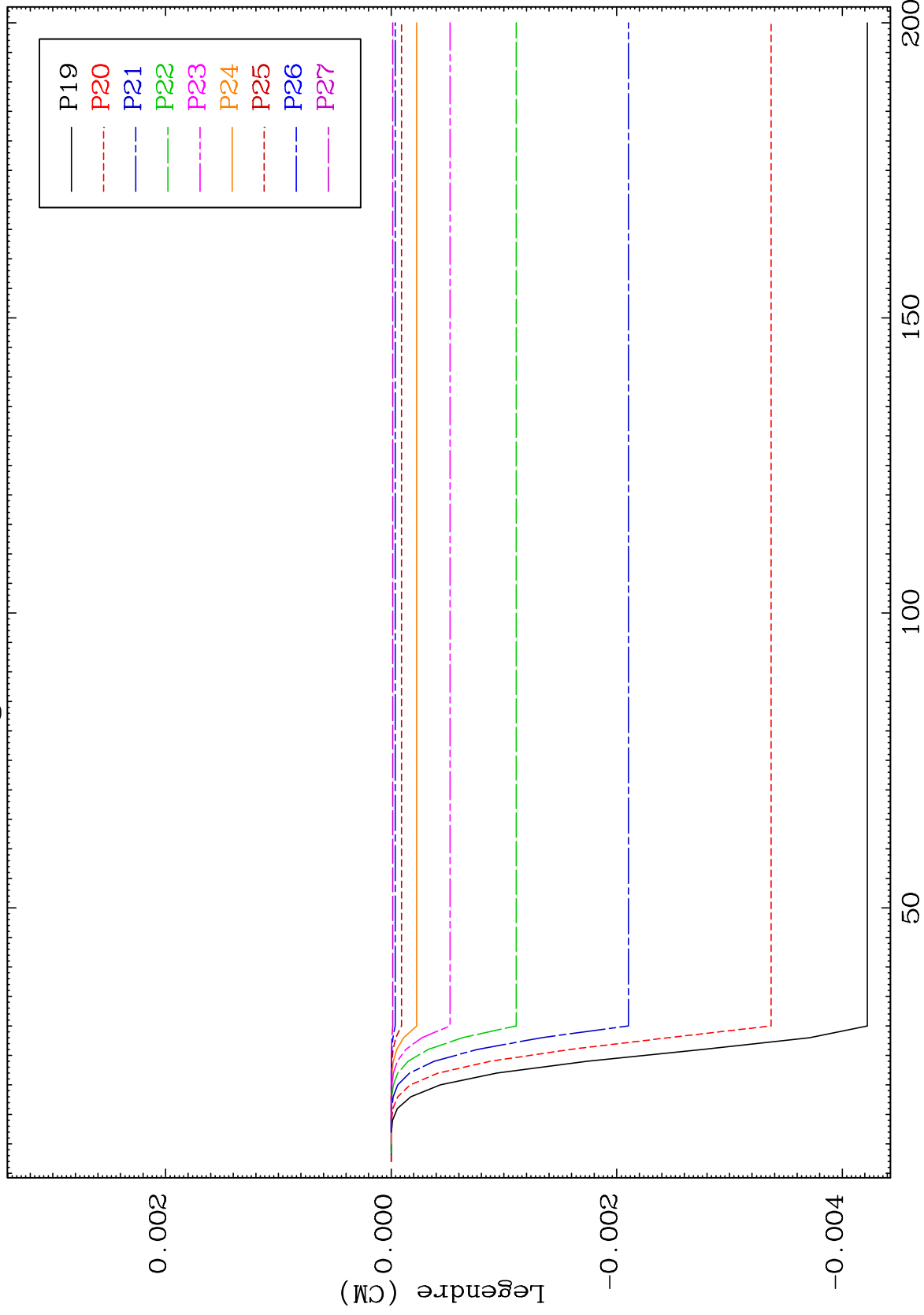
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

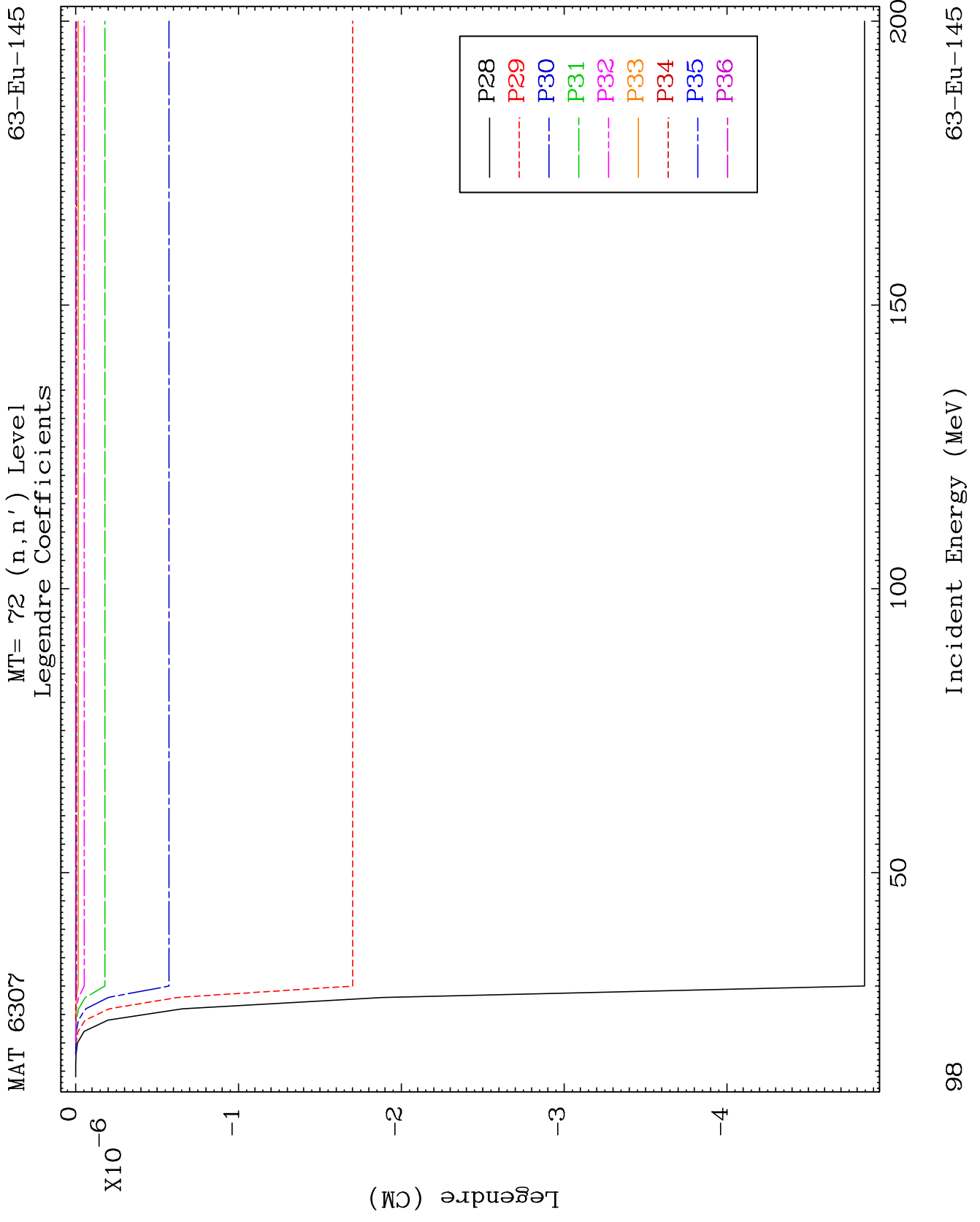
63-Eu-145



97

Incident Energy (MeV)

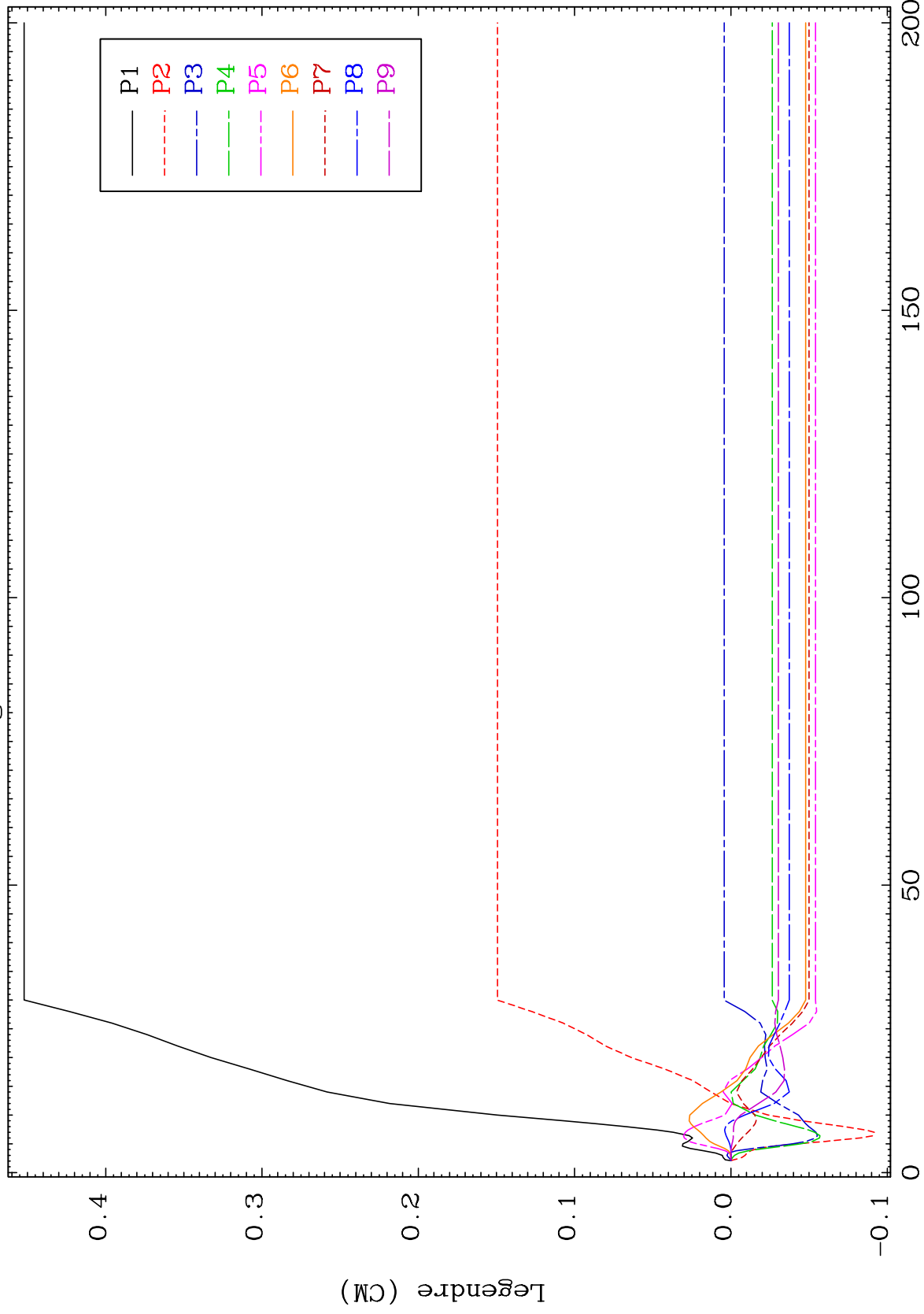
63-Eu-145



MAT 6307

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

63-Eu-145



99

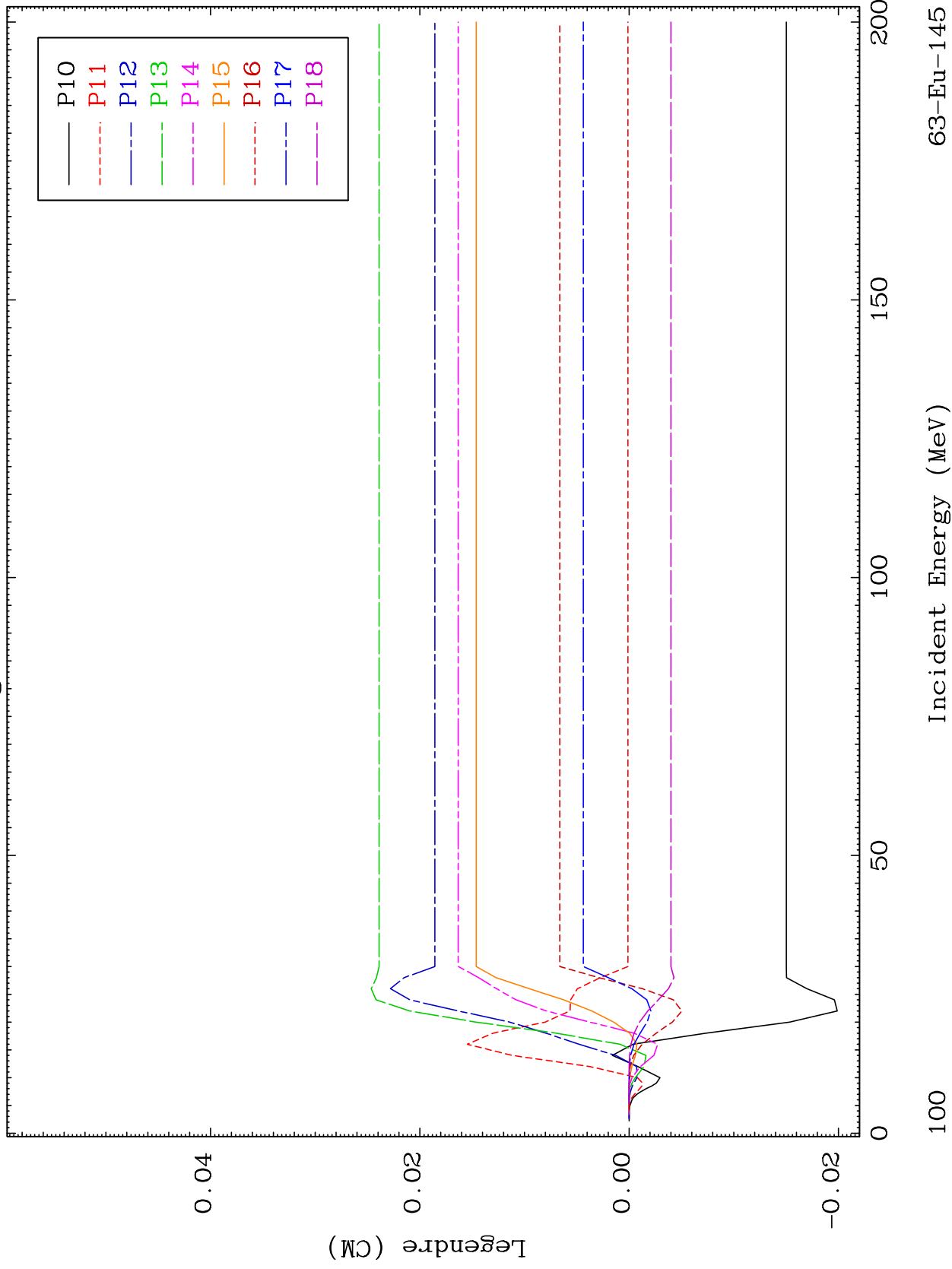
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



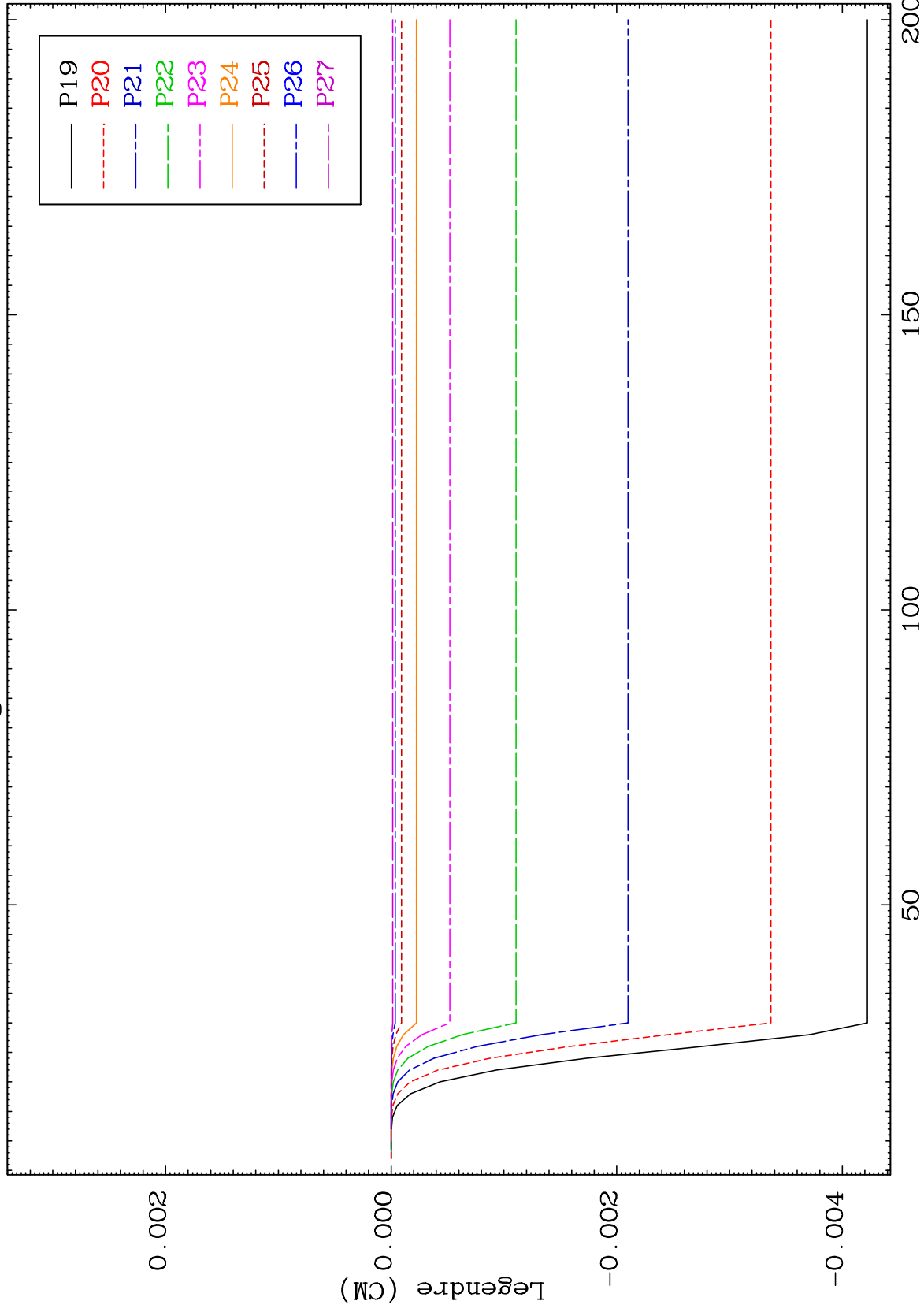
63-Eu-145

Incident Energy (MeV)

MAT 6307

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

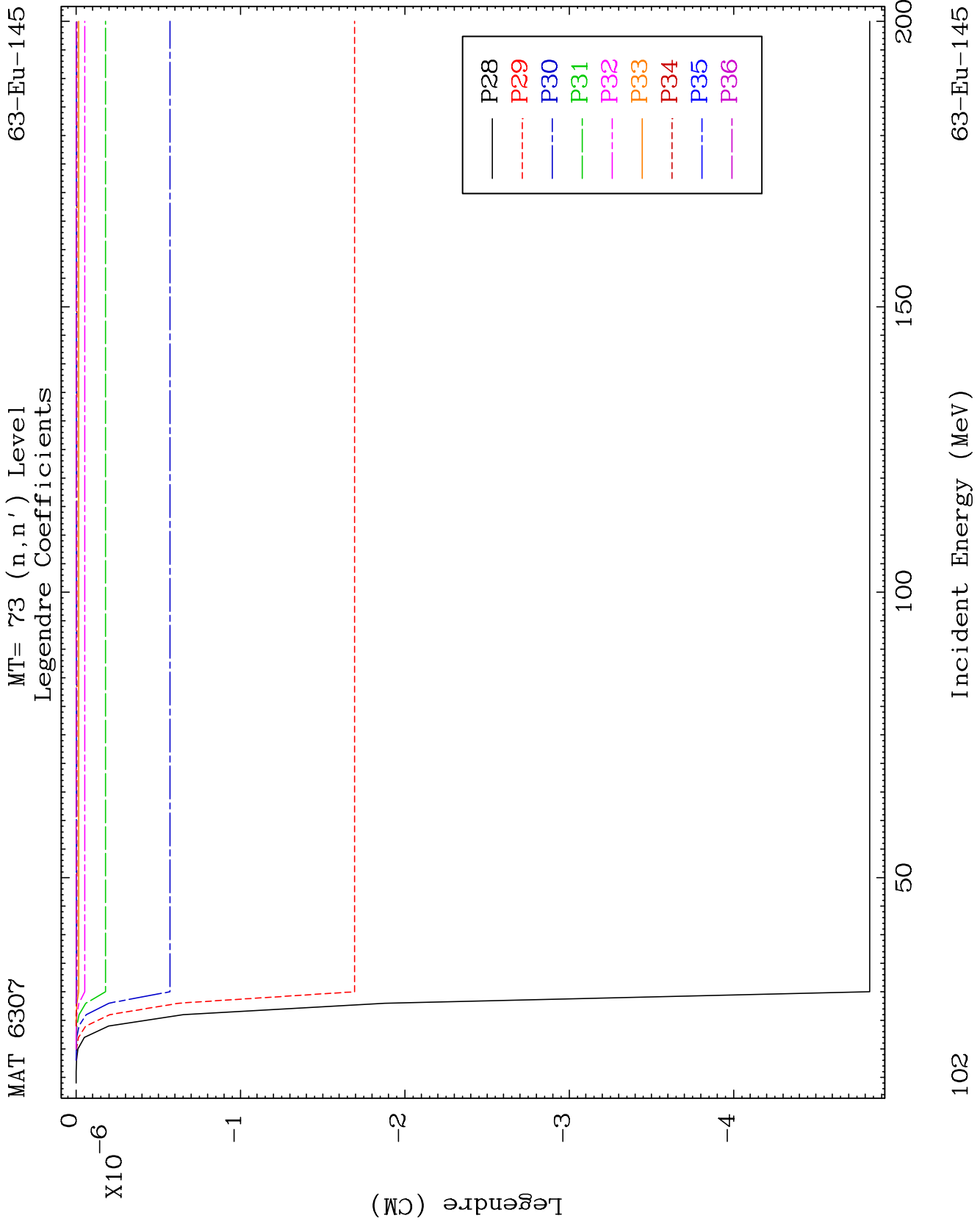
63-Eu-145

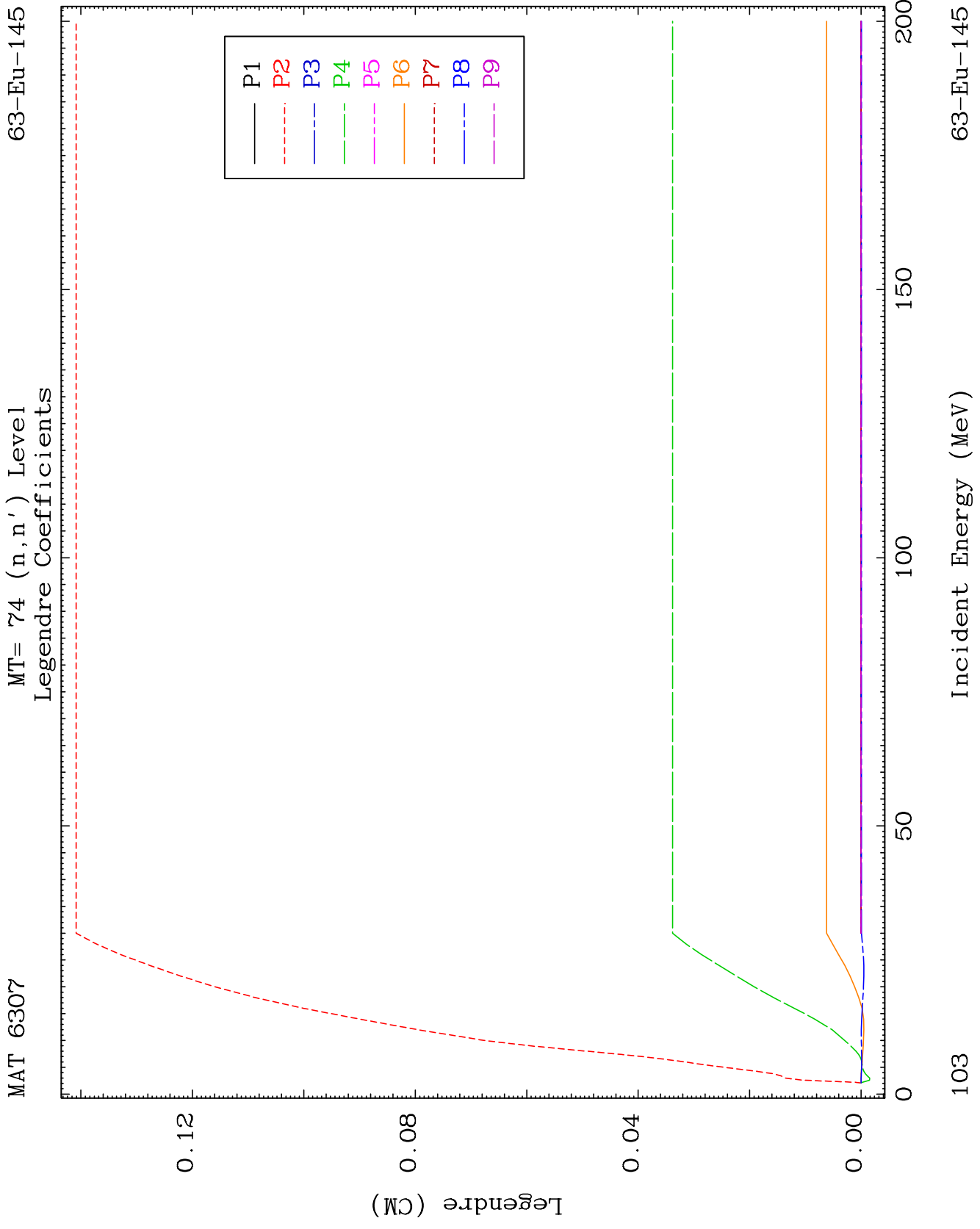


101

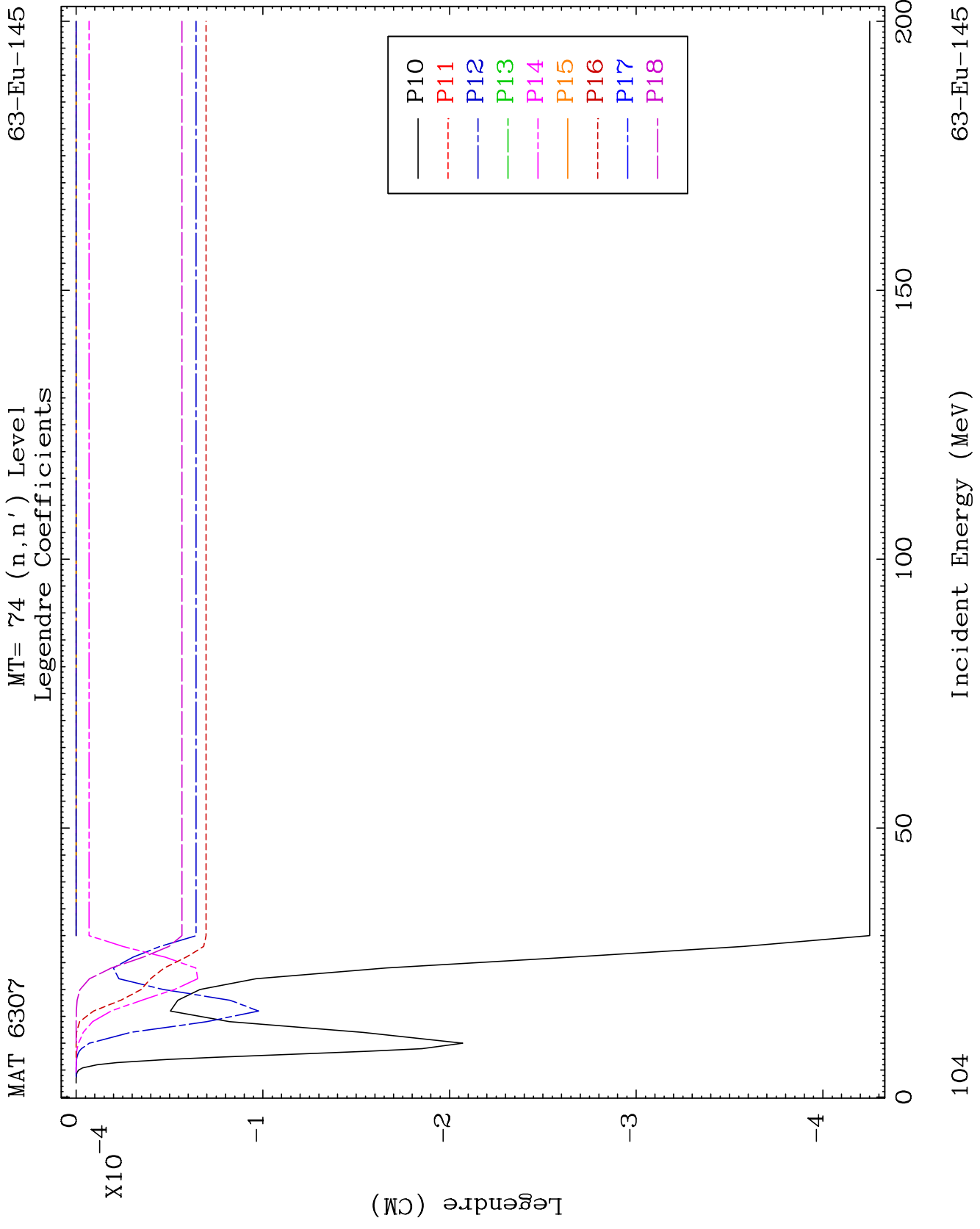
Incident Energy (MeV)

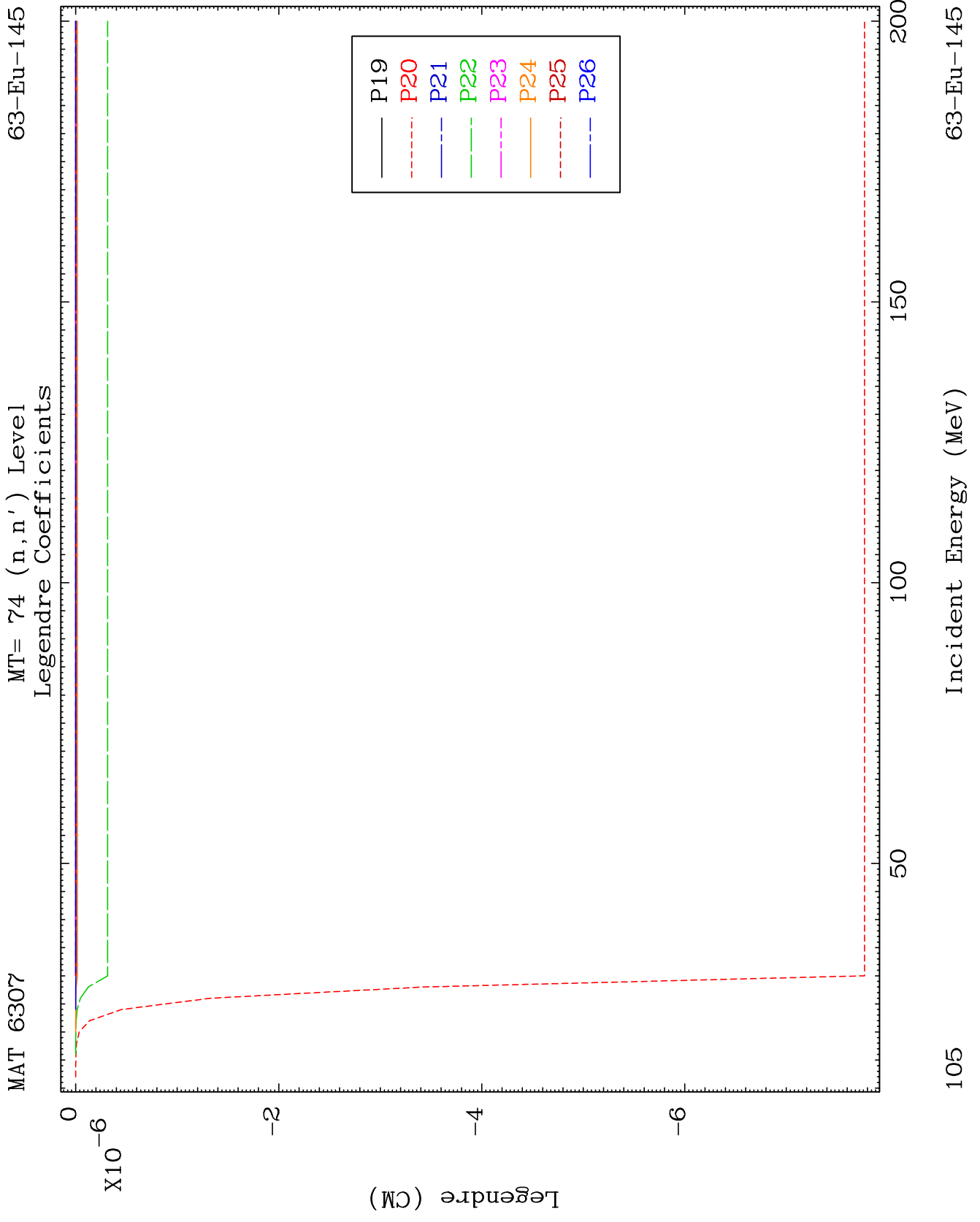
63-Eu-145







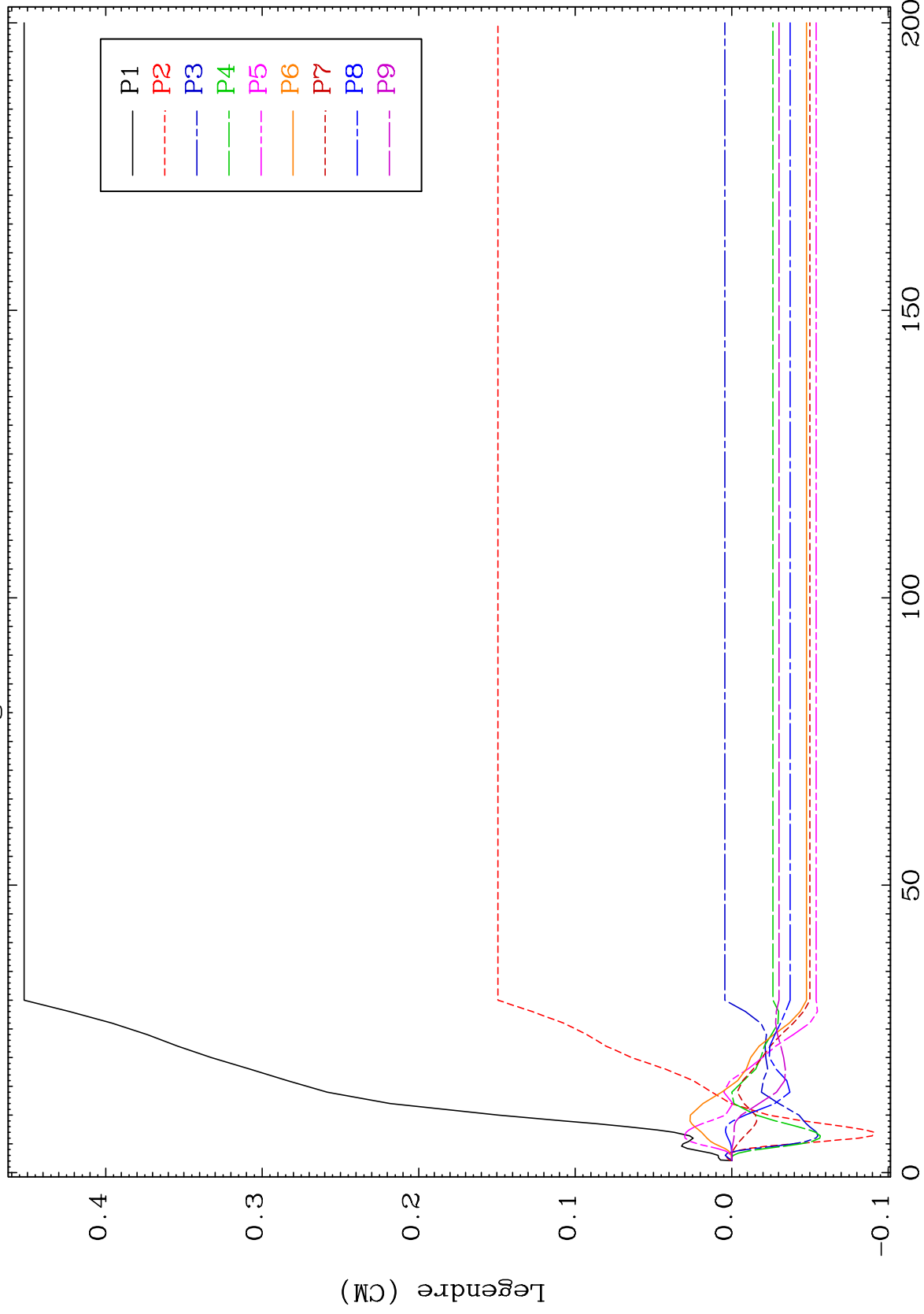




MAT 6307

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

63-Eu-145



63-Eu-145

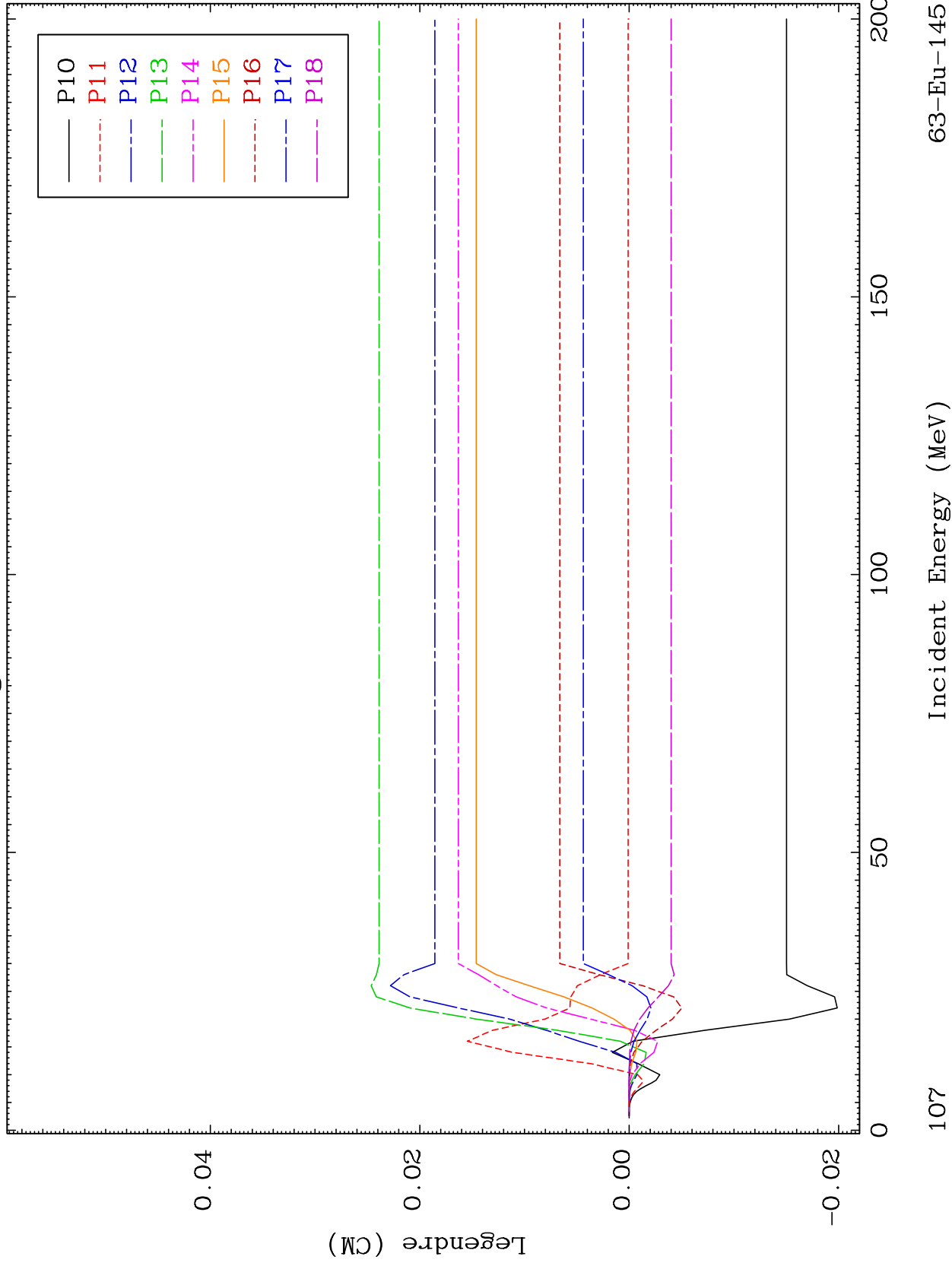
Incident Energy (MeV)

106

MAT 6307

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

63-Eu-145



107

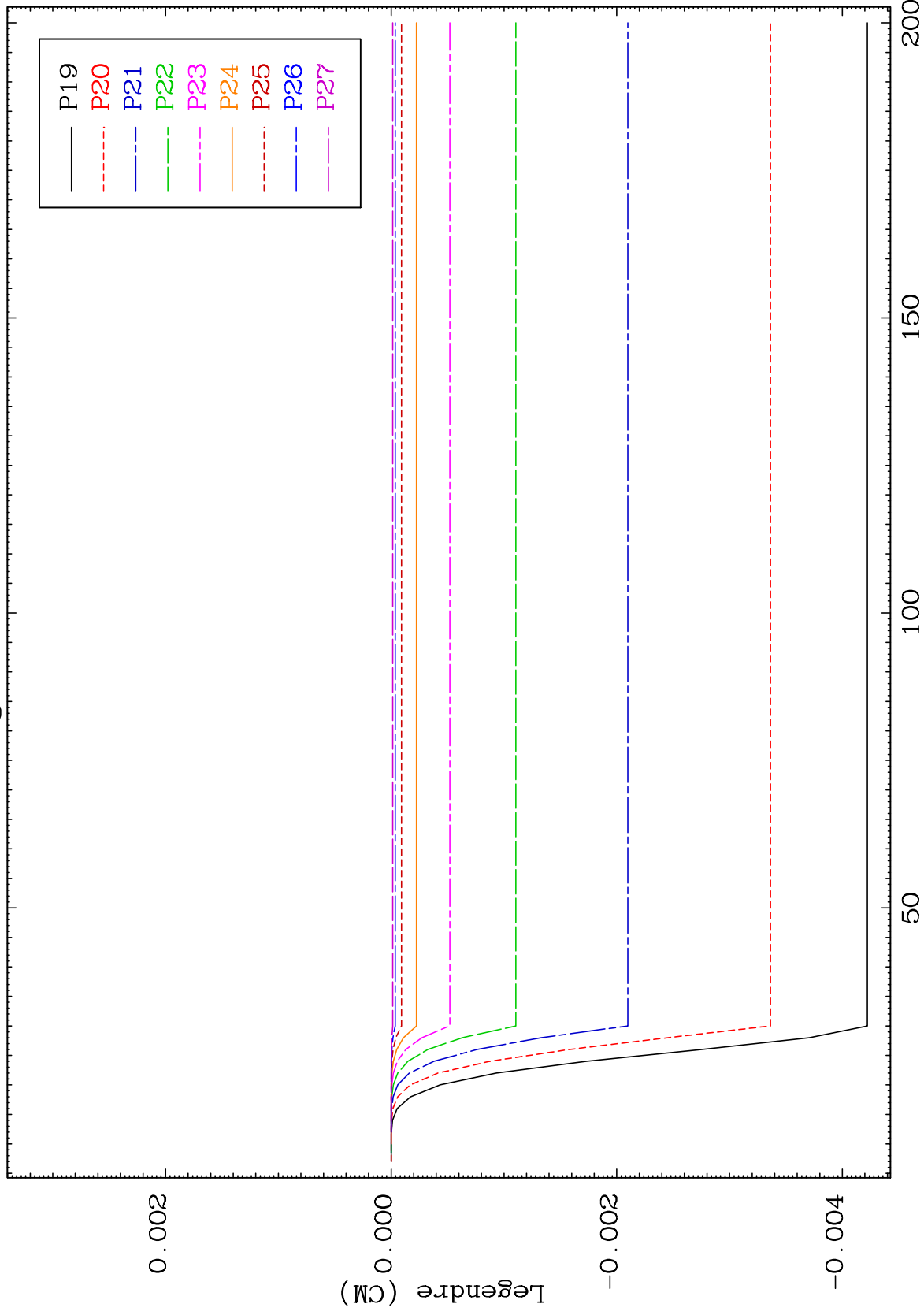
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

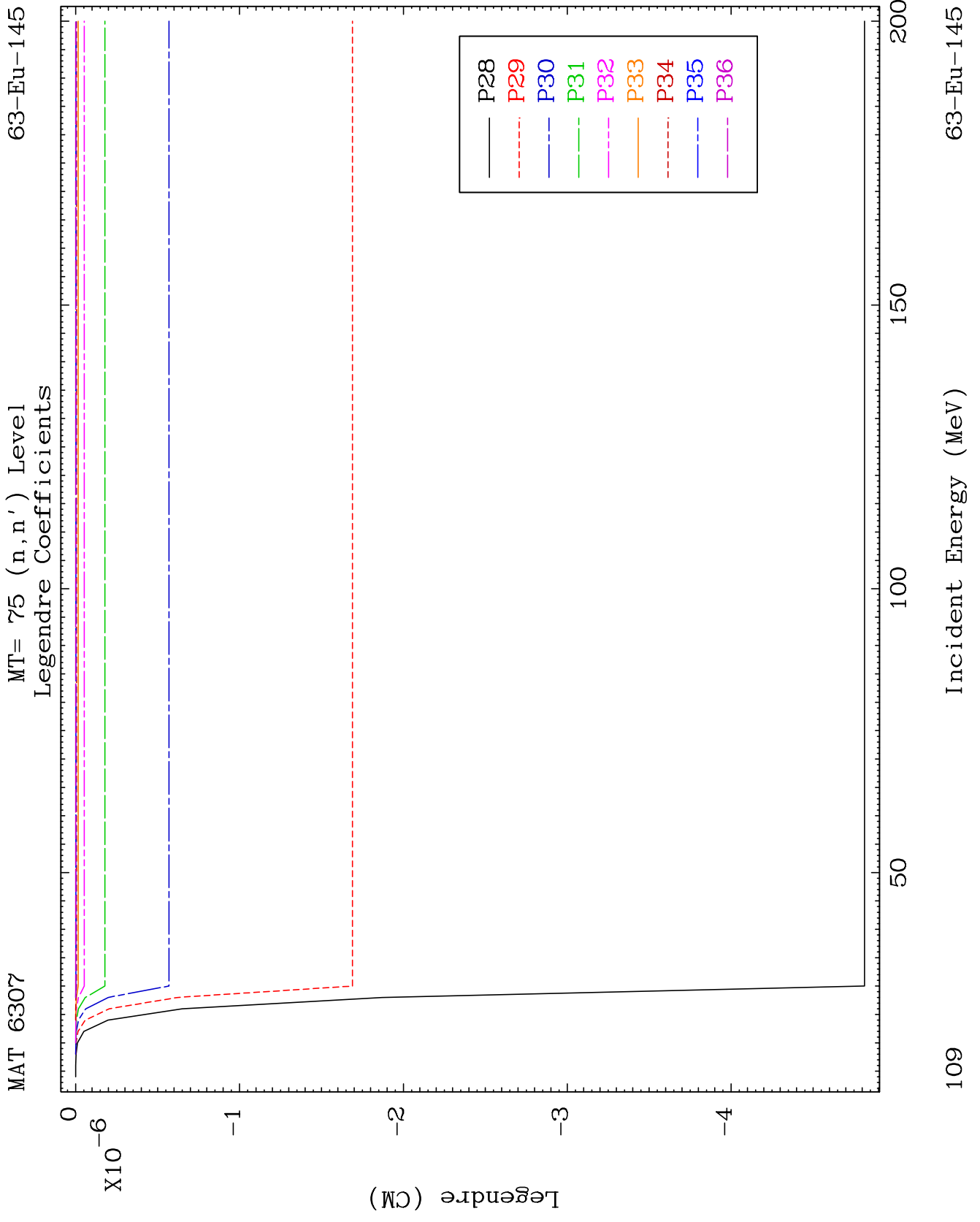
63-Eu-145



108

Incident Energy (MeV)

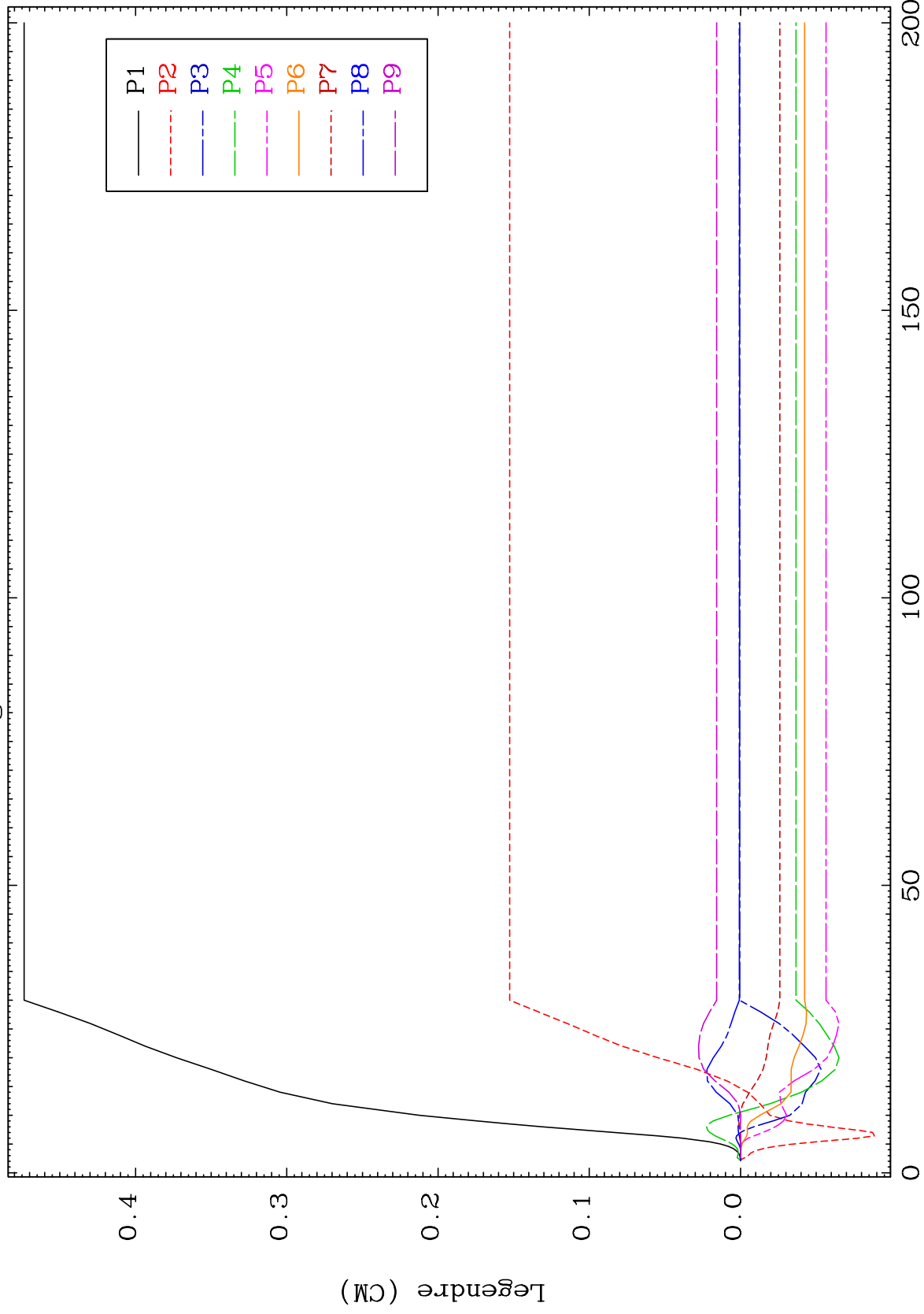
63-Eu-145



MAT 6307

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

63-Eu-145



63-Eu-145

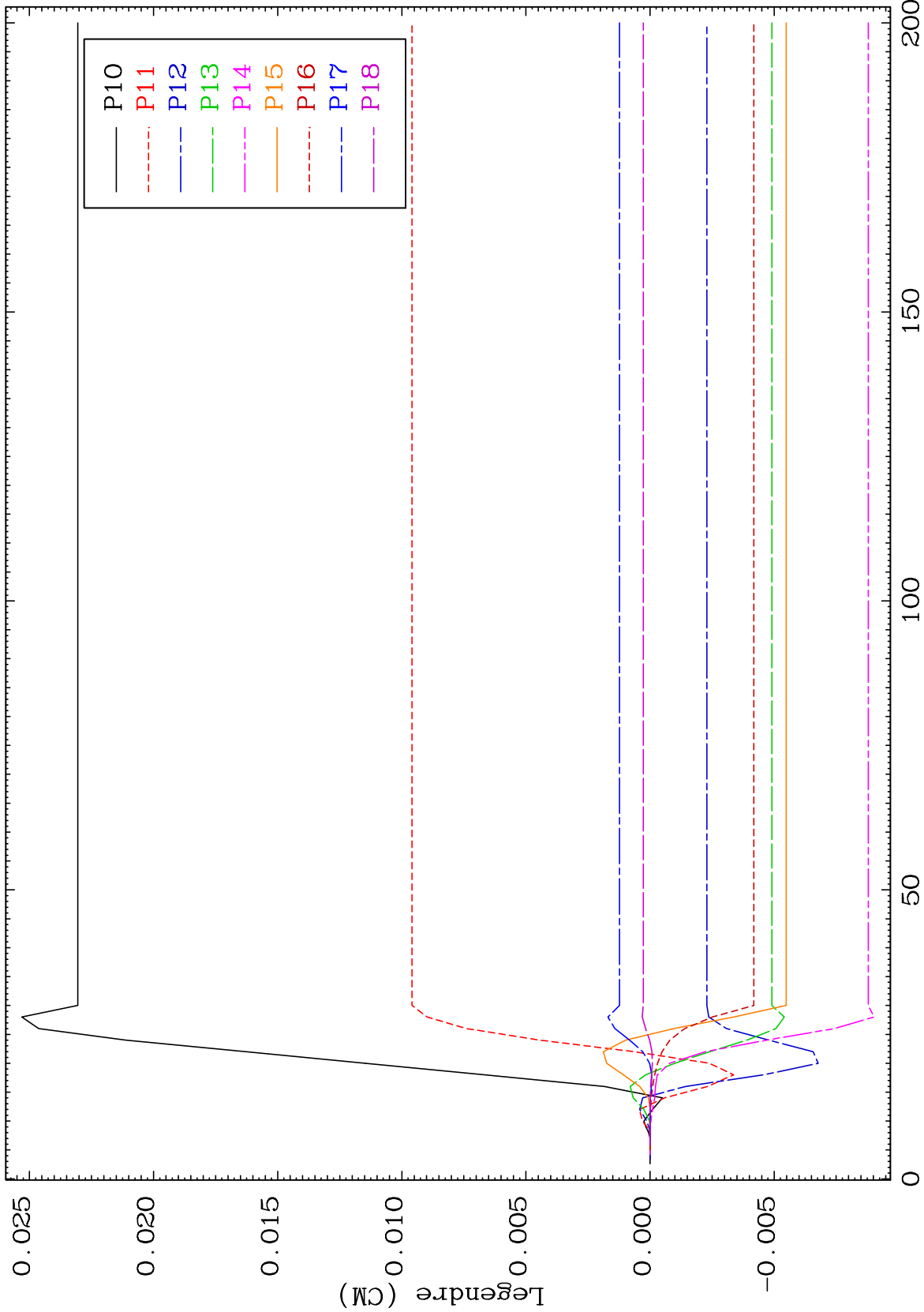
Incident Energy (MeV)

110

MAT 6307

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

63-Eu-145

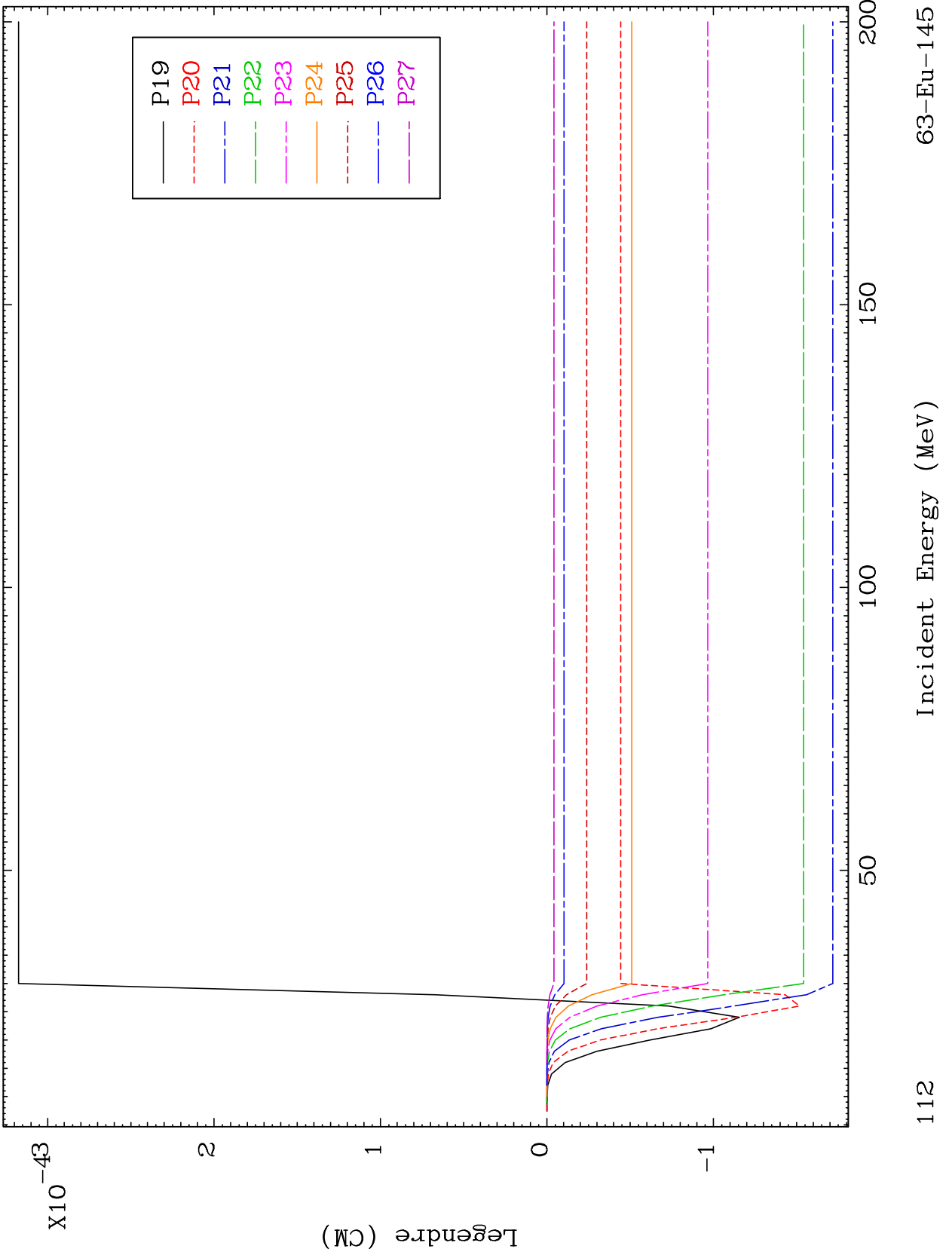


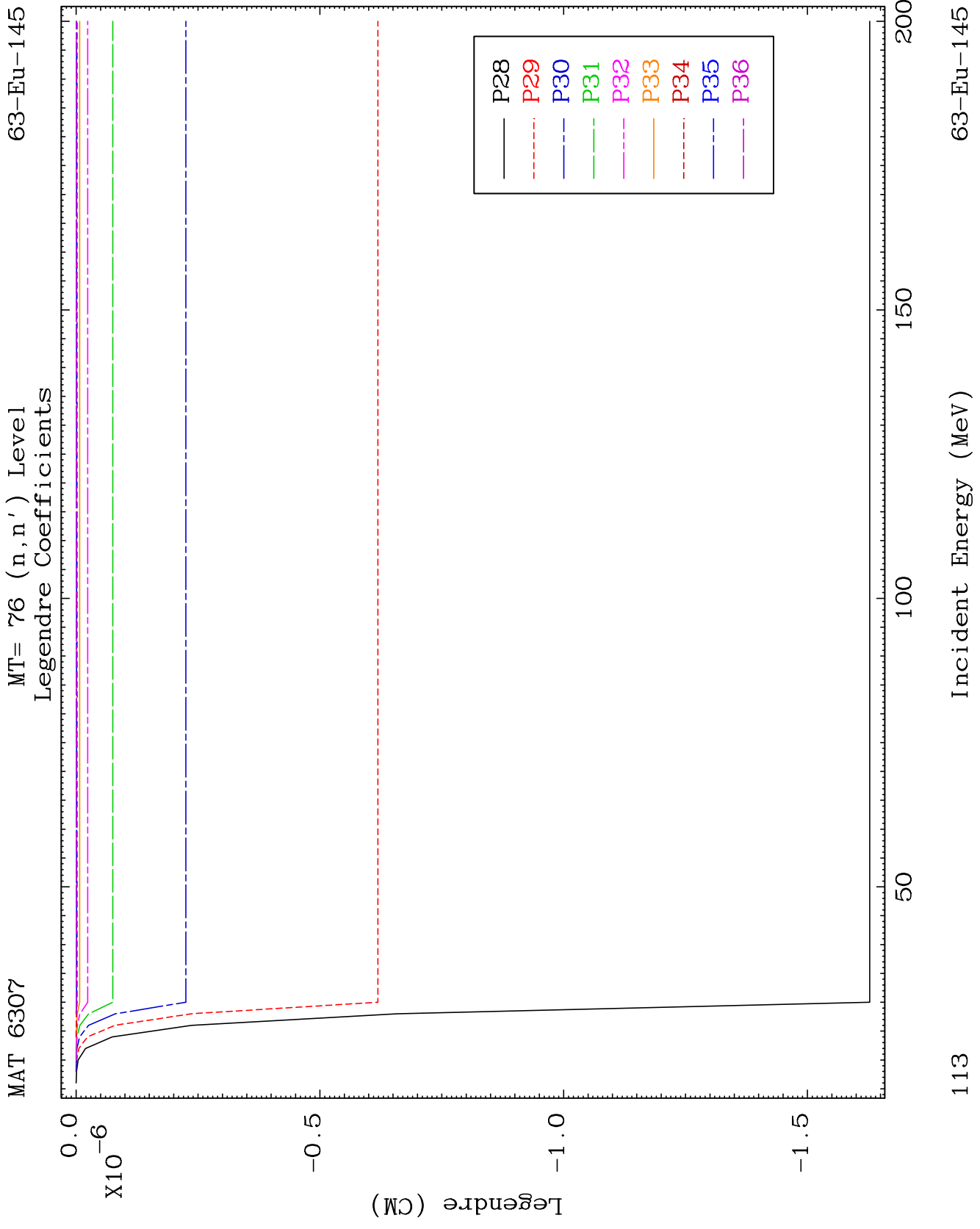
111

Incident Energy (MeV)

63-Eu-145



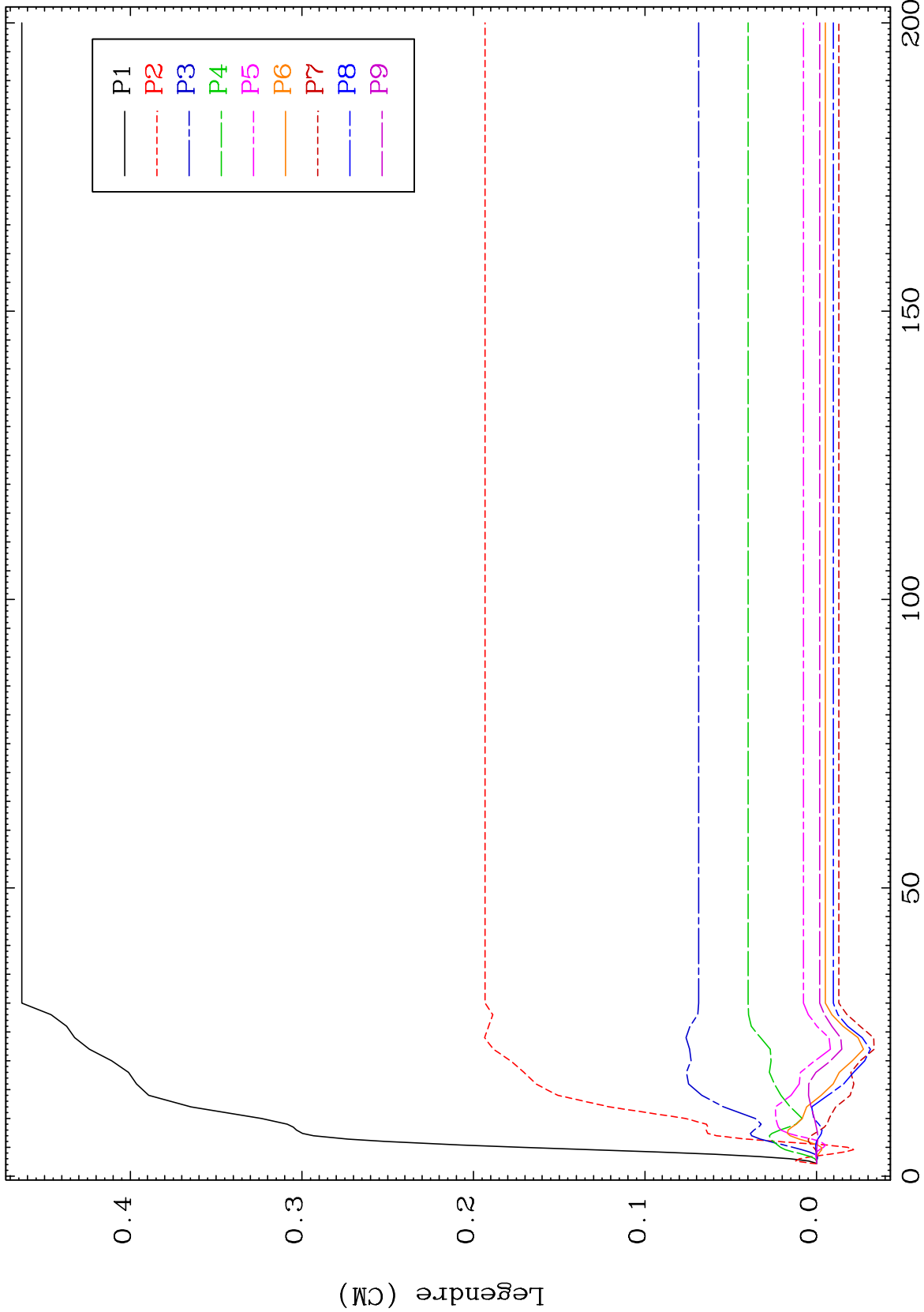




MAT 6307

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

63-Eu-145



114

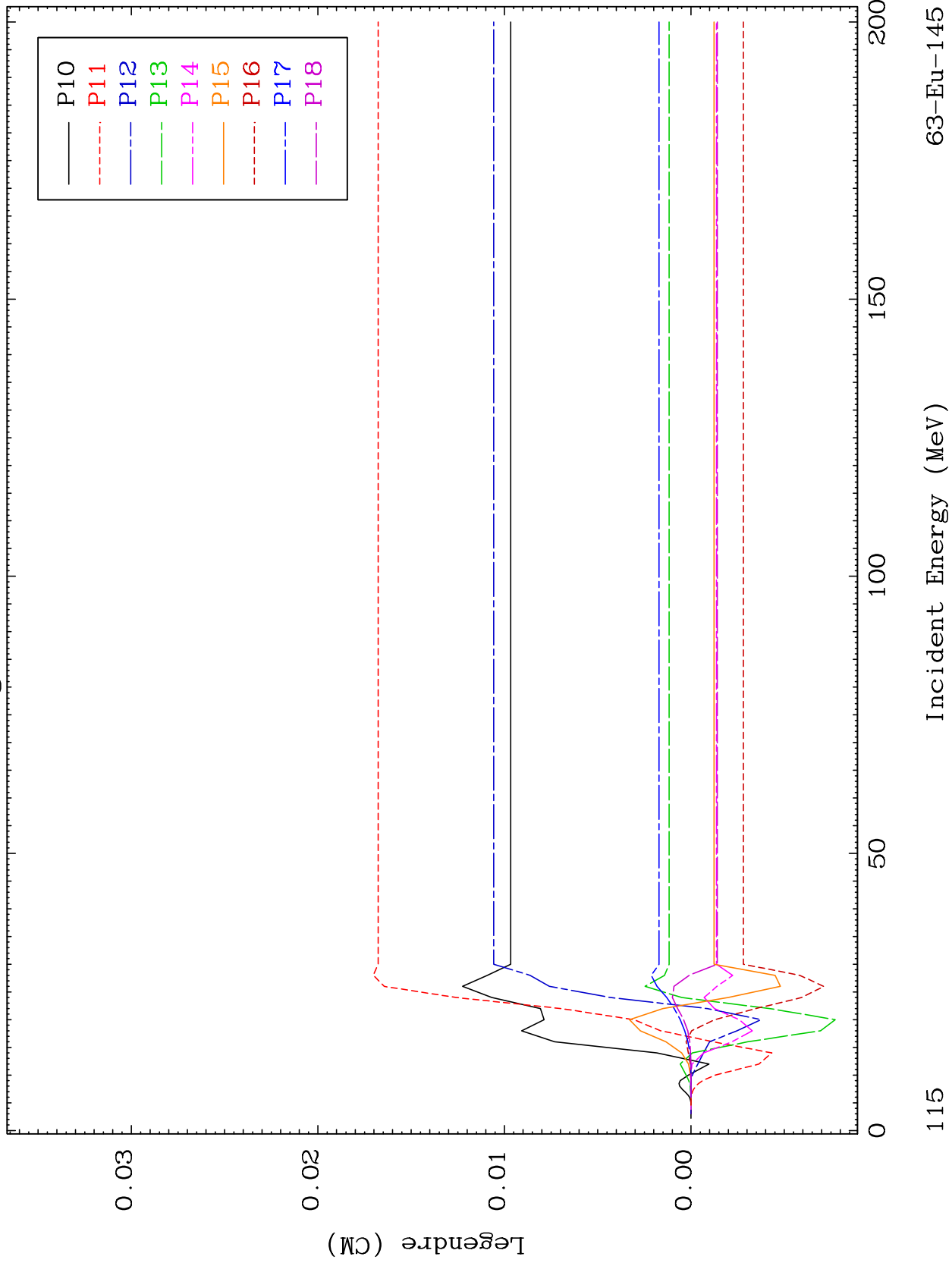
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

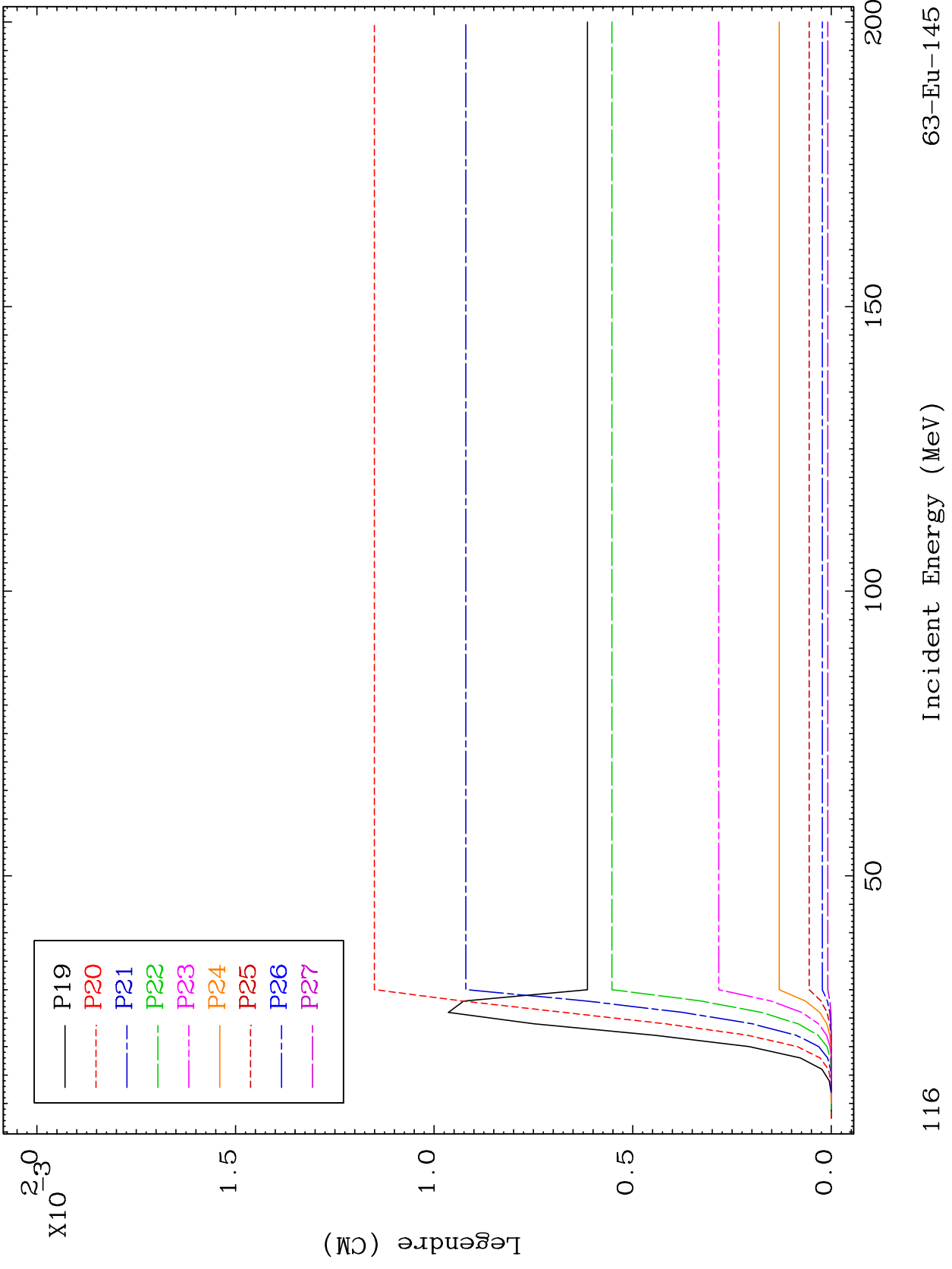
63-Eu-145



63-Eu-145

Incident Energy (MeV)

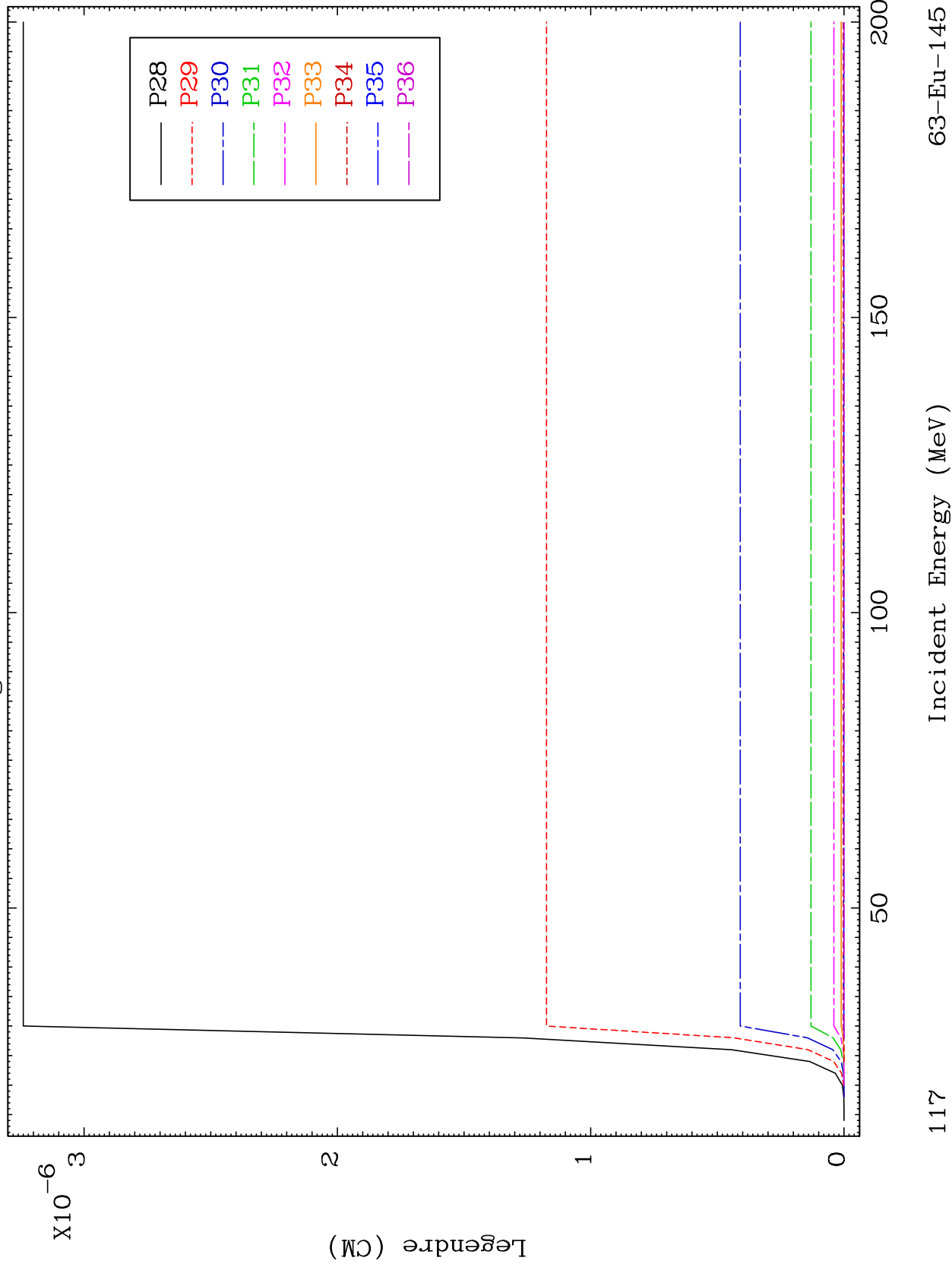
115



MAT 6307

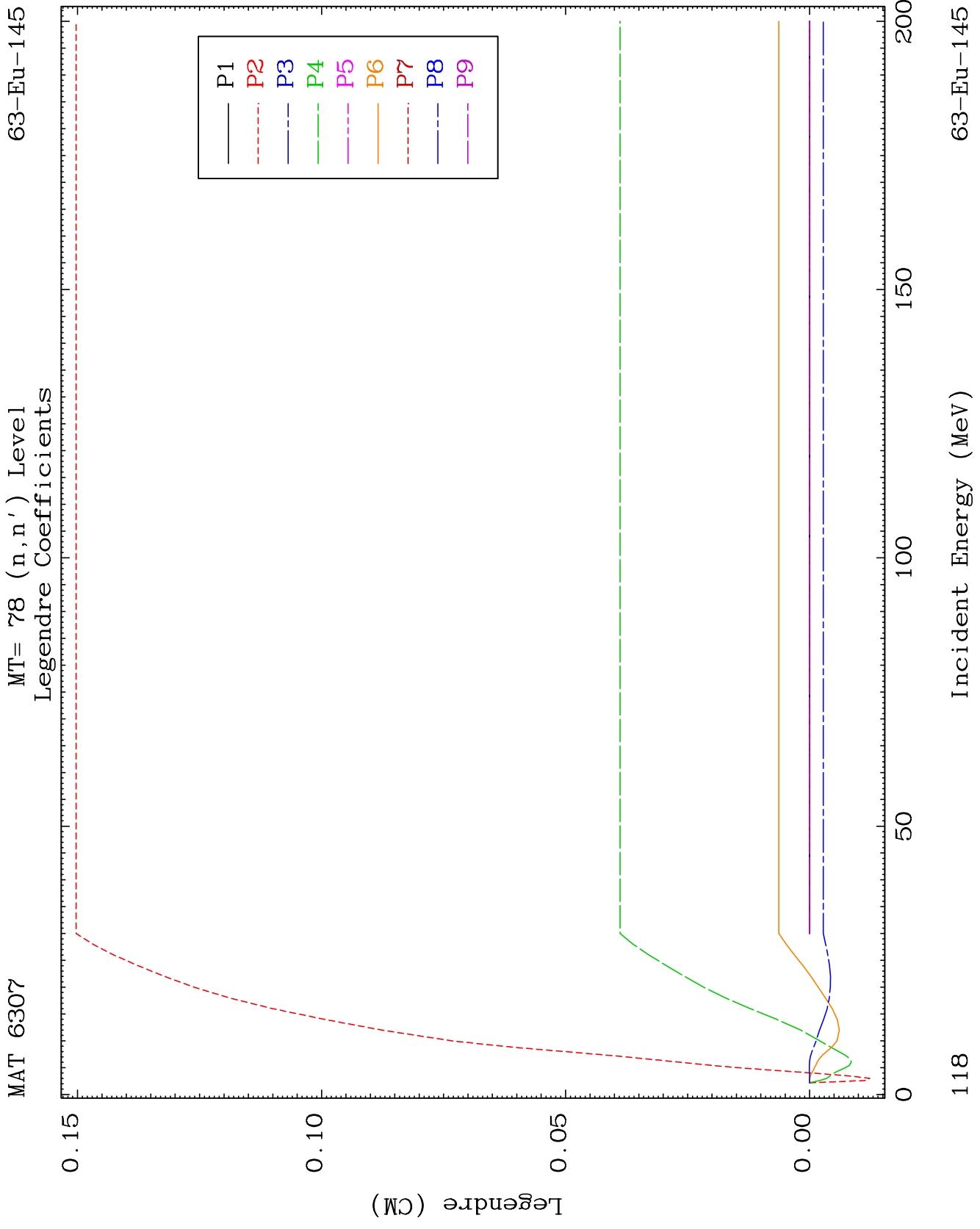
MT= 77 (n,n') Level  
Legendre Coefficients

63-Eu-145



117

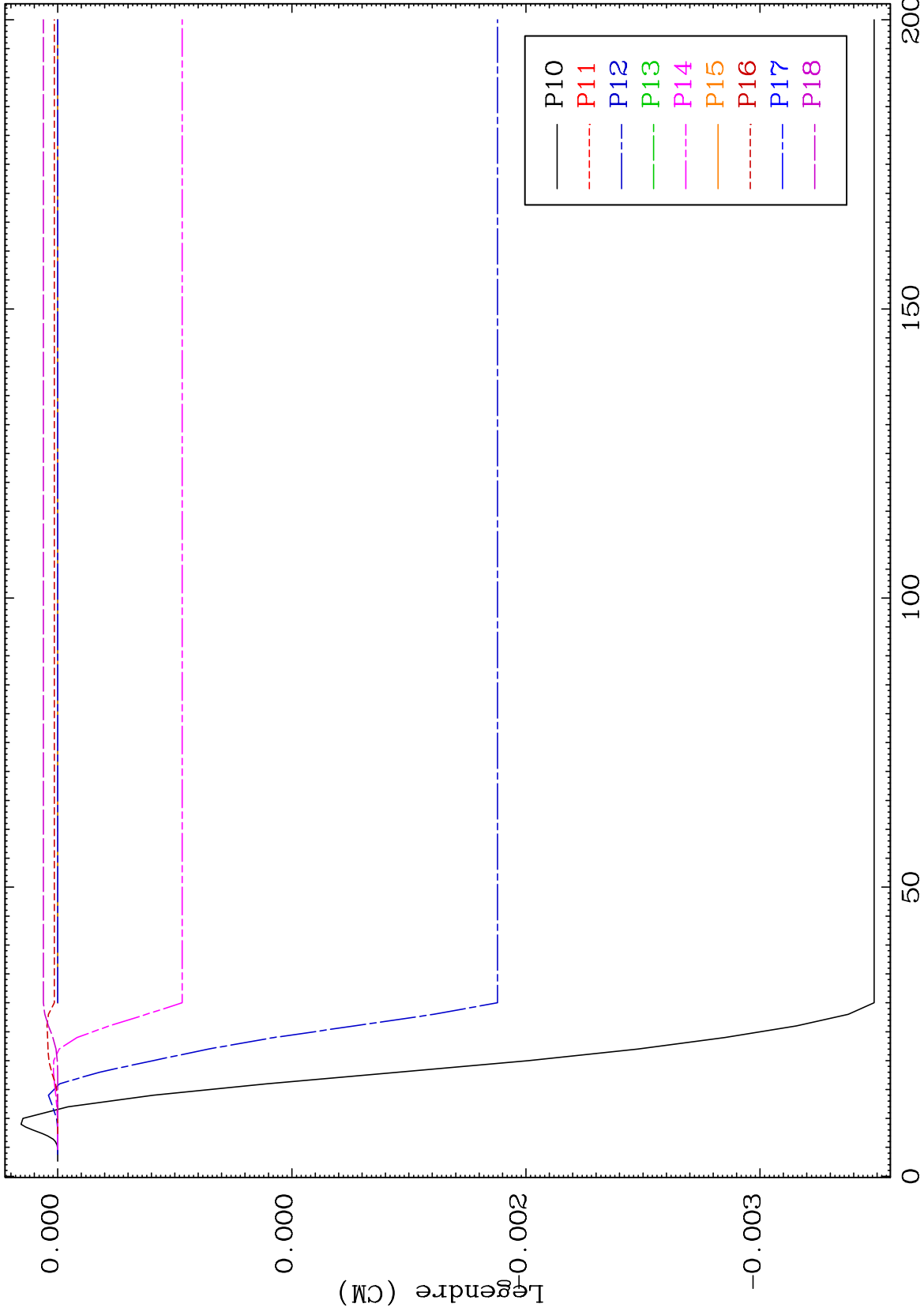
63-Eu-145



MAT 6307

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

63-Eu-145

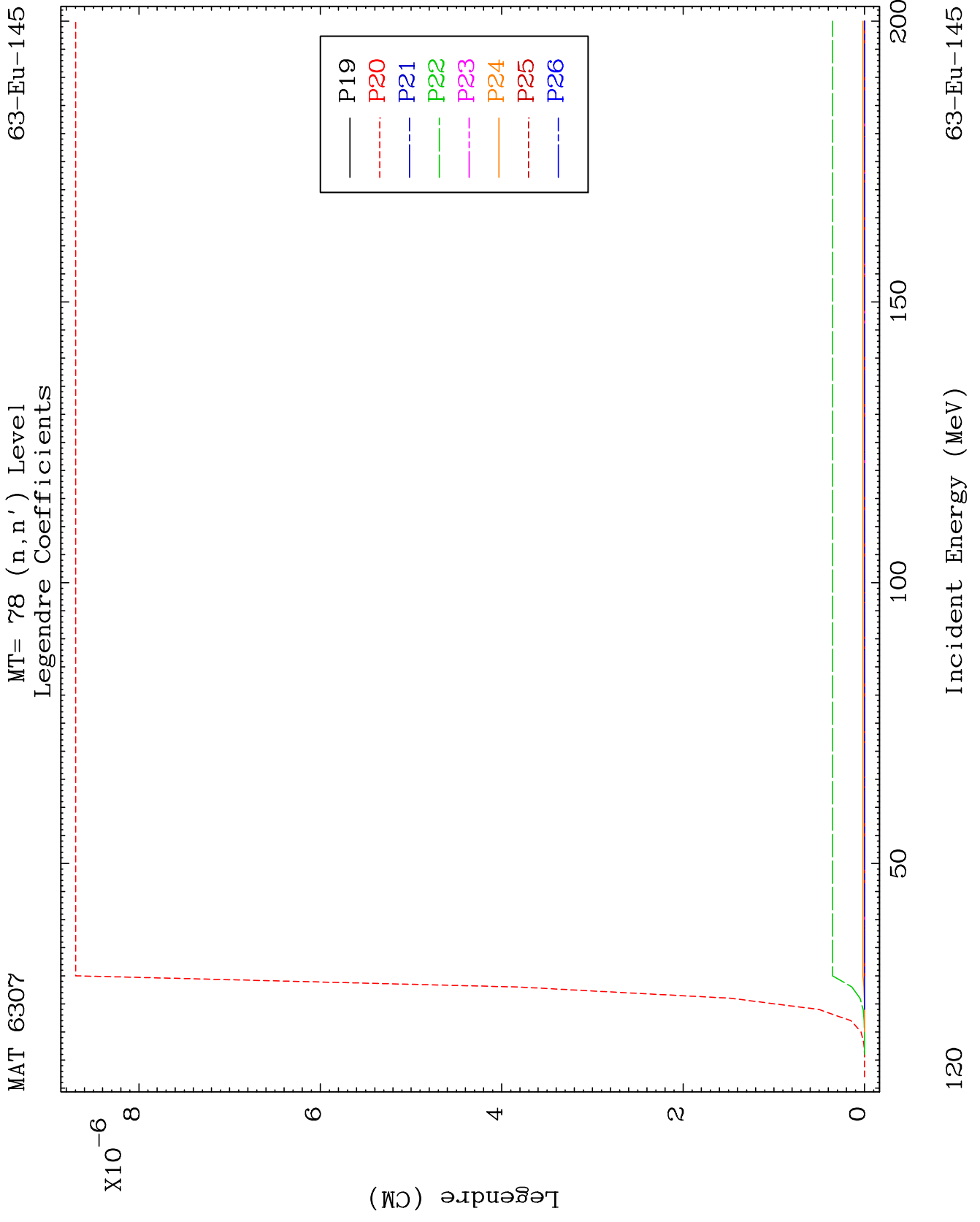


119

Incident Energy (MeV)

63-Eu-145

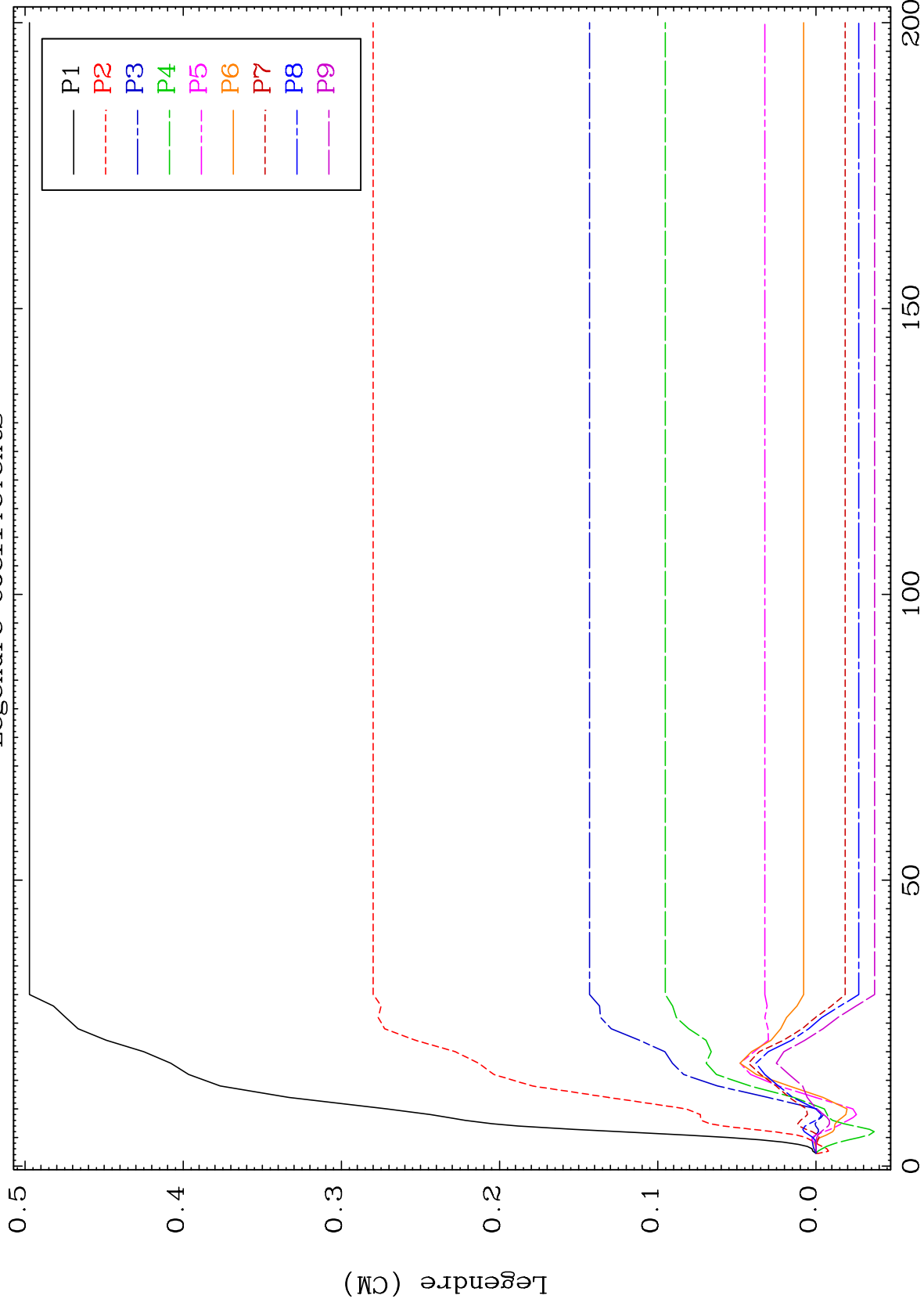




MAT 6307

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

63-Eu-145



121

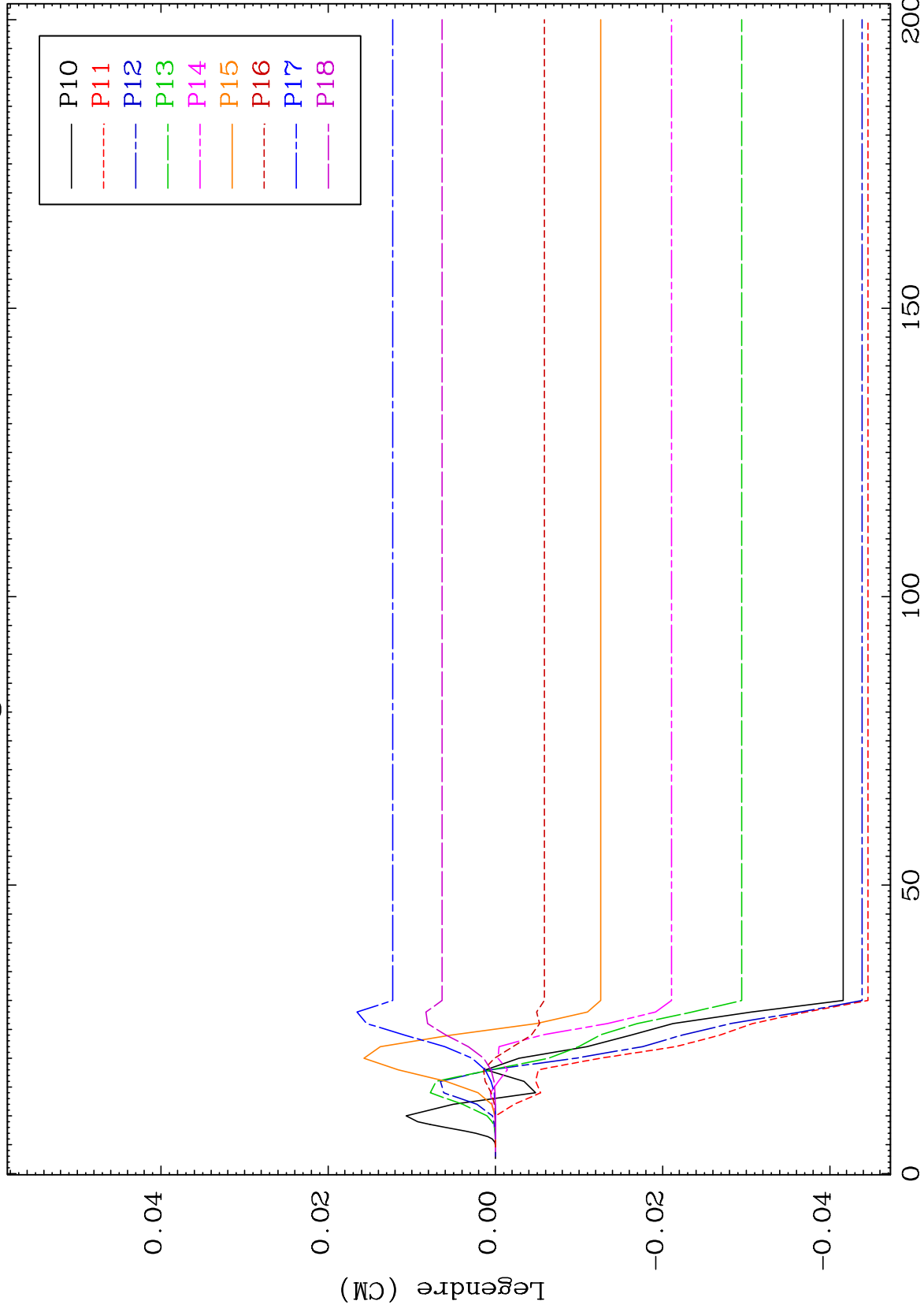
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



122

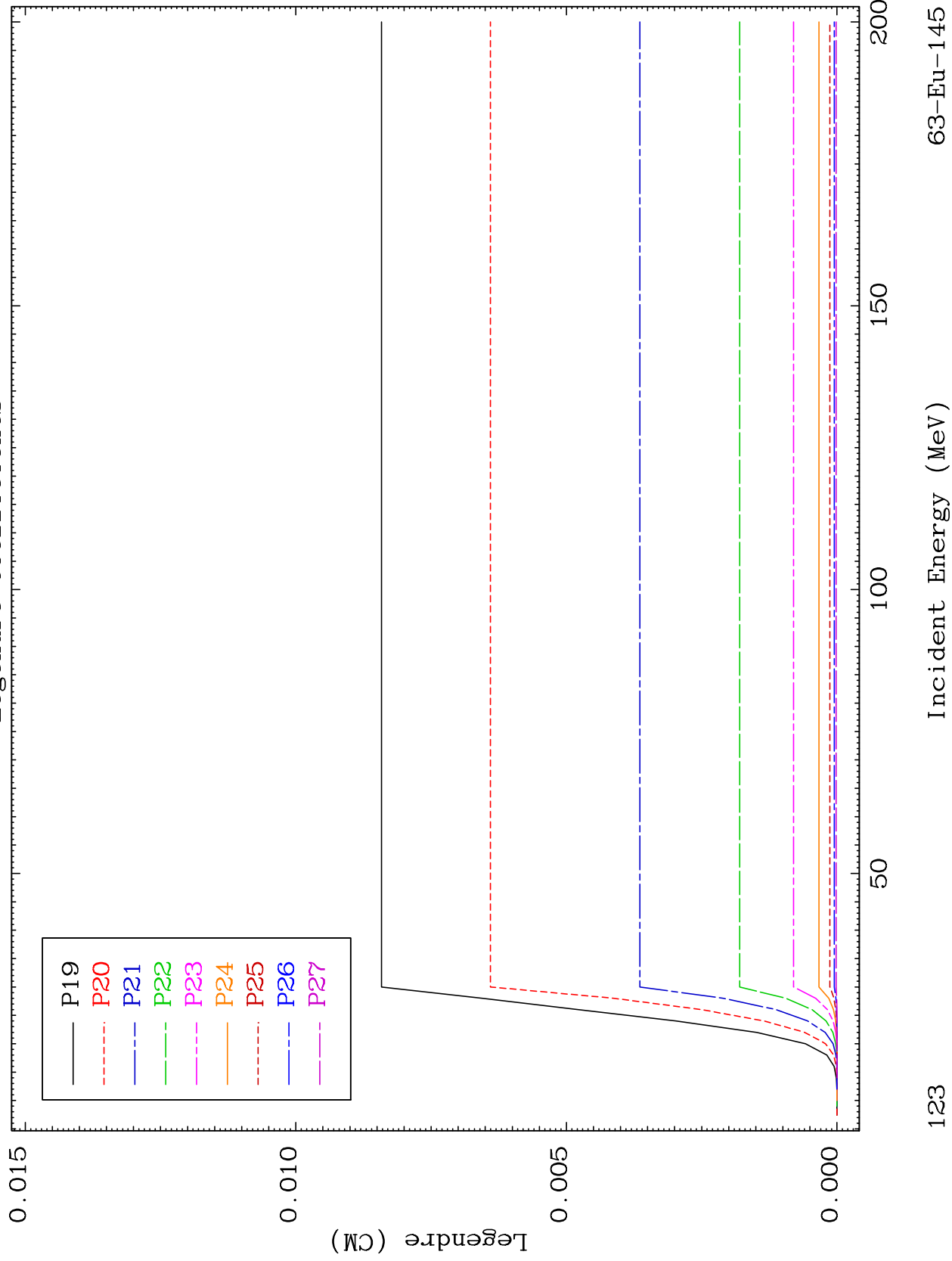
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



123

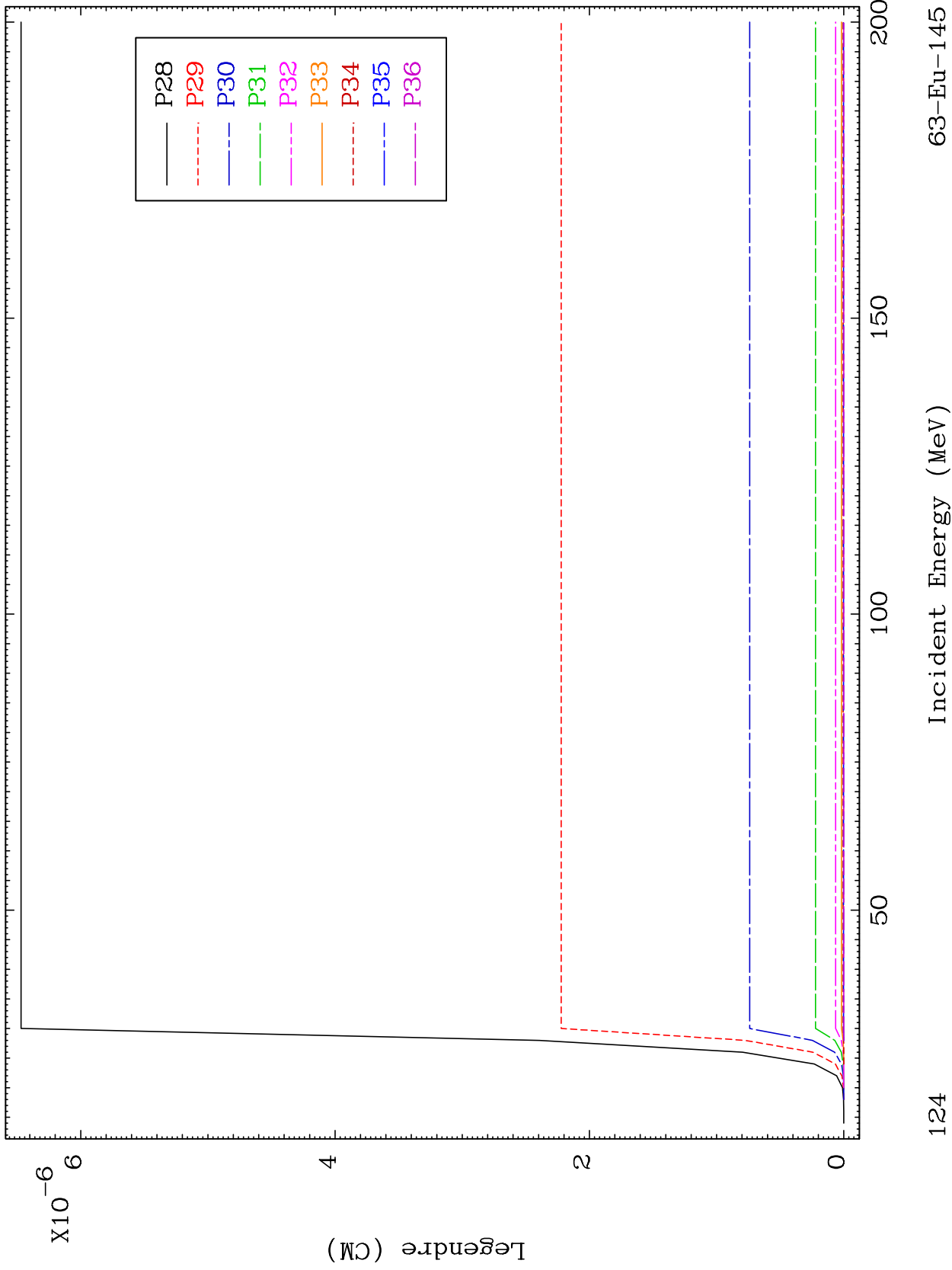
Incident Energy (MeV)

63-Eu-145

MAT 6307

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

63-Eu-145



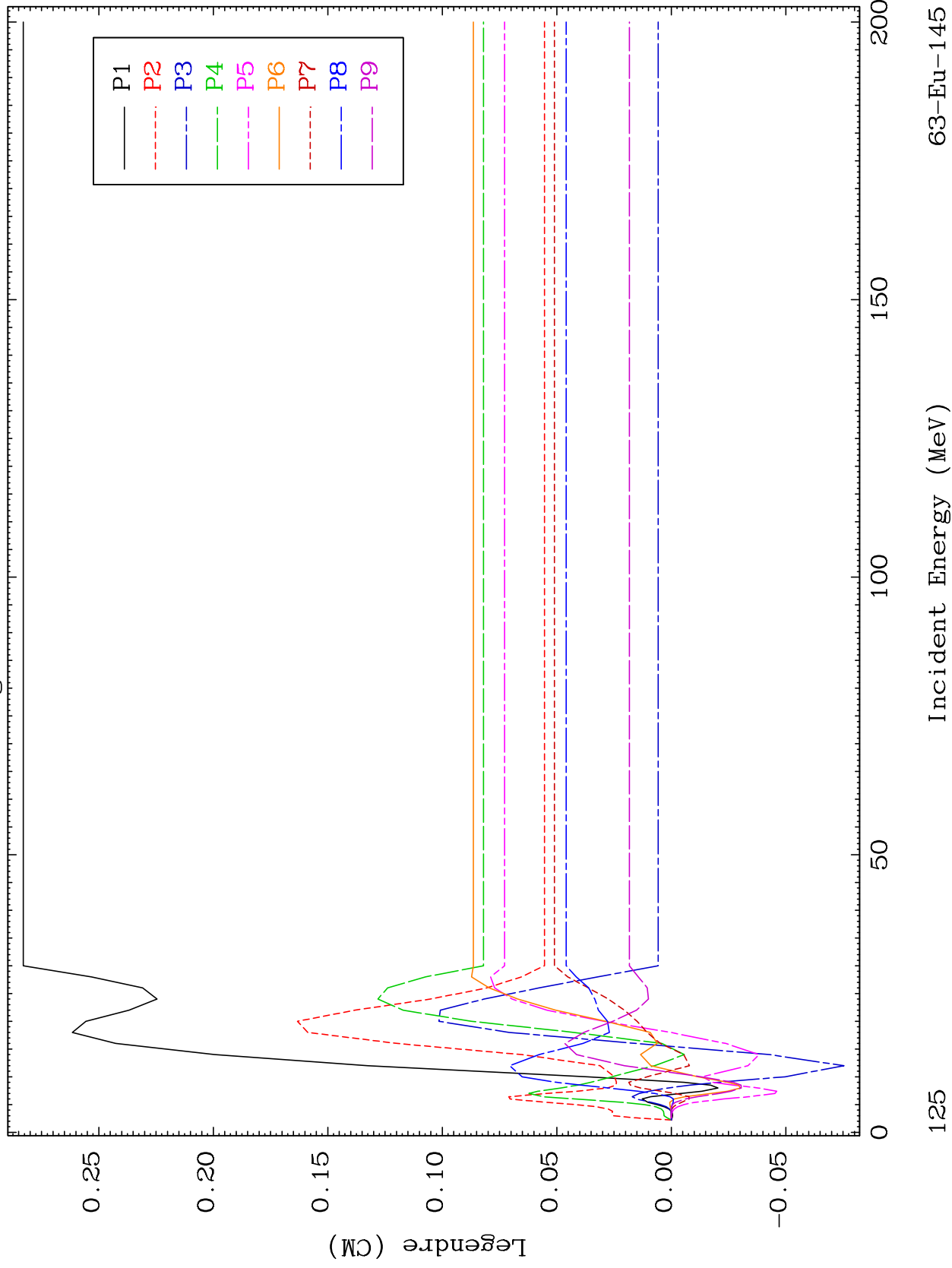
124

63-Eu-145

MAT 6307

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

63-Eu-145

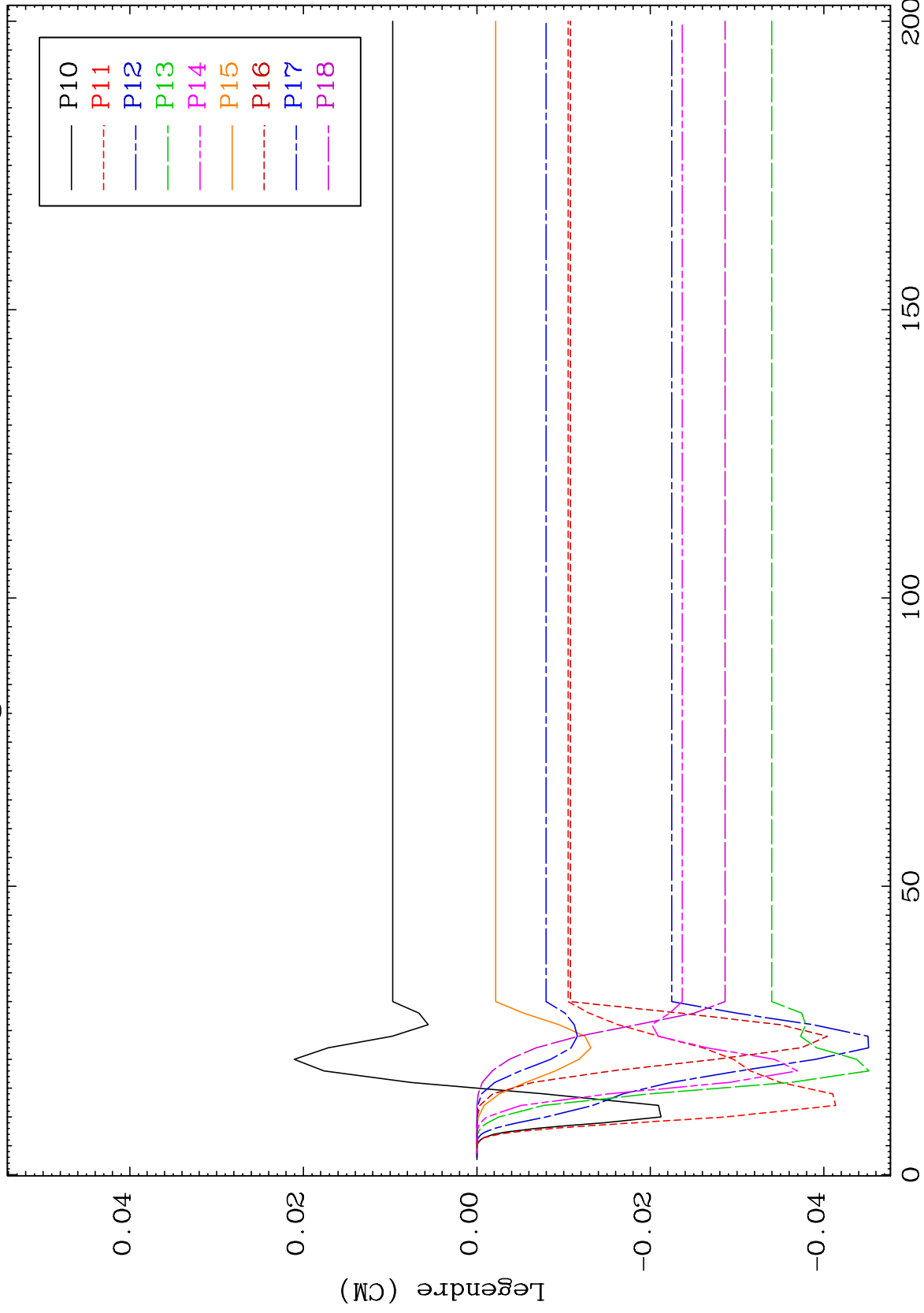


63-Eu-145

MAT 6307

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

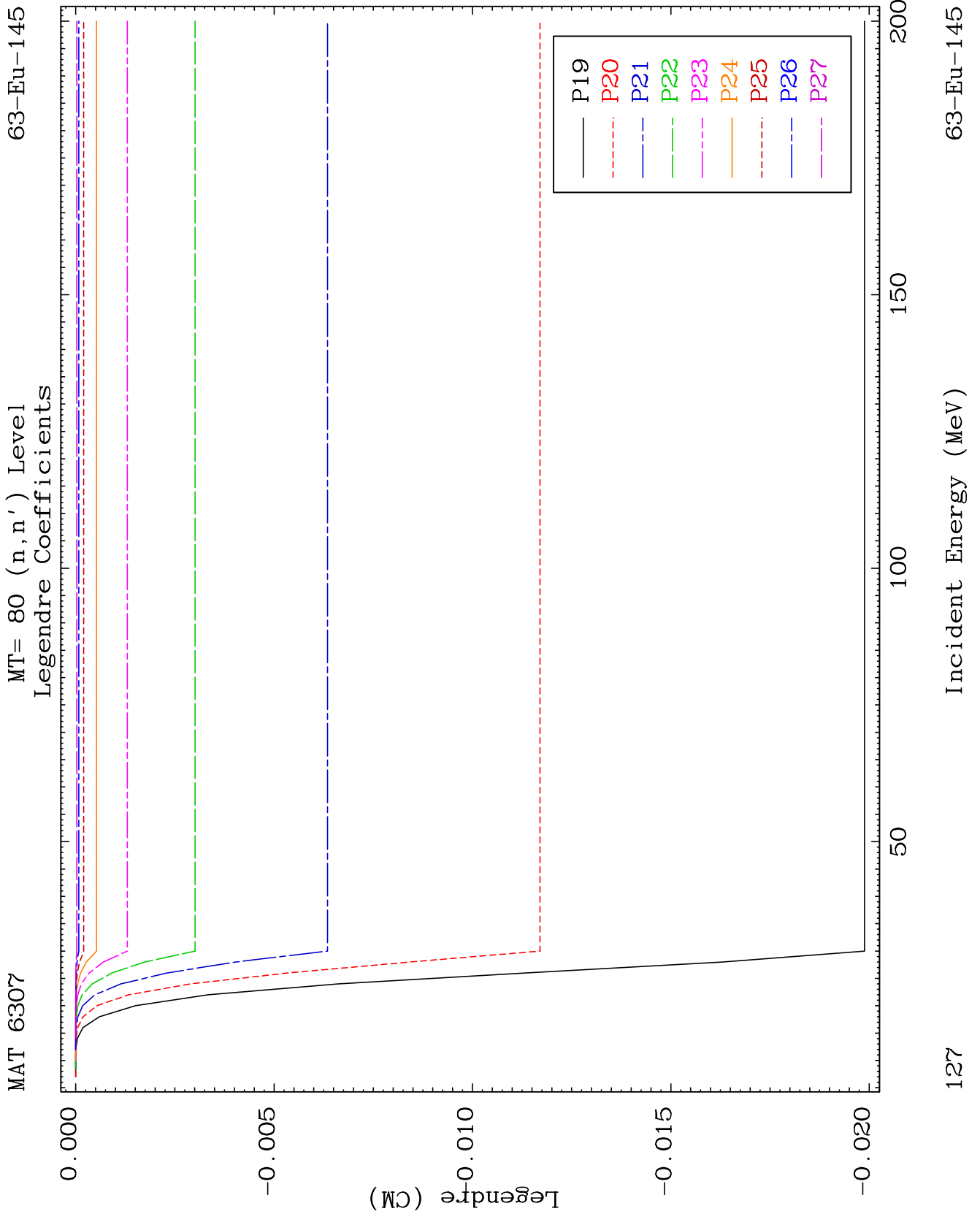
63-Eu-145



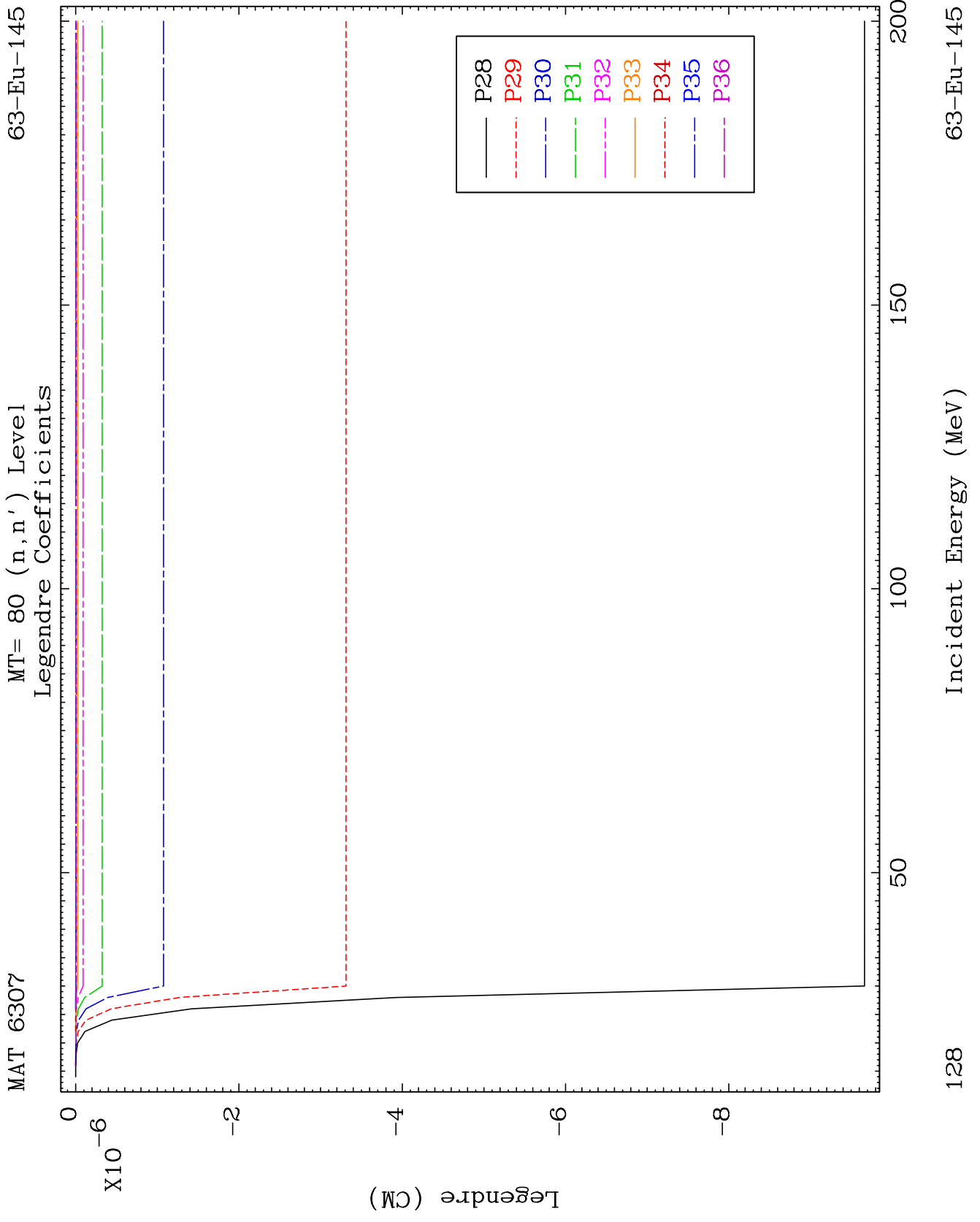
126

Incident Energy (MeV)

63-Eu-145





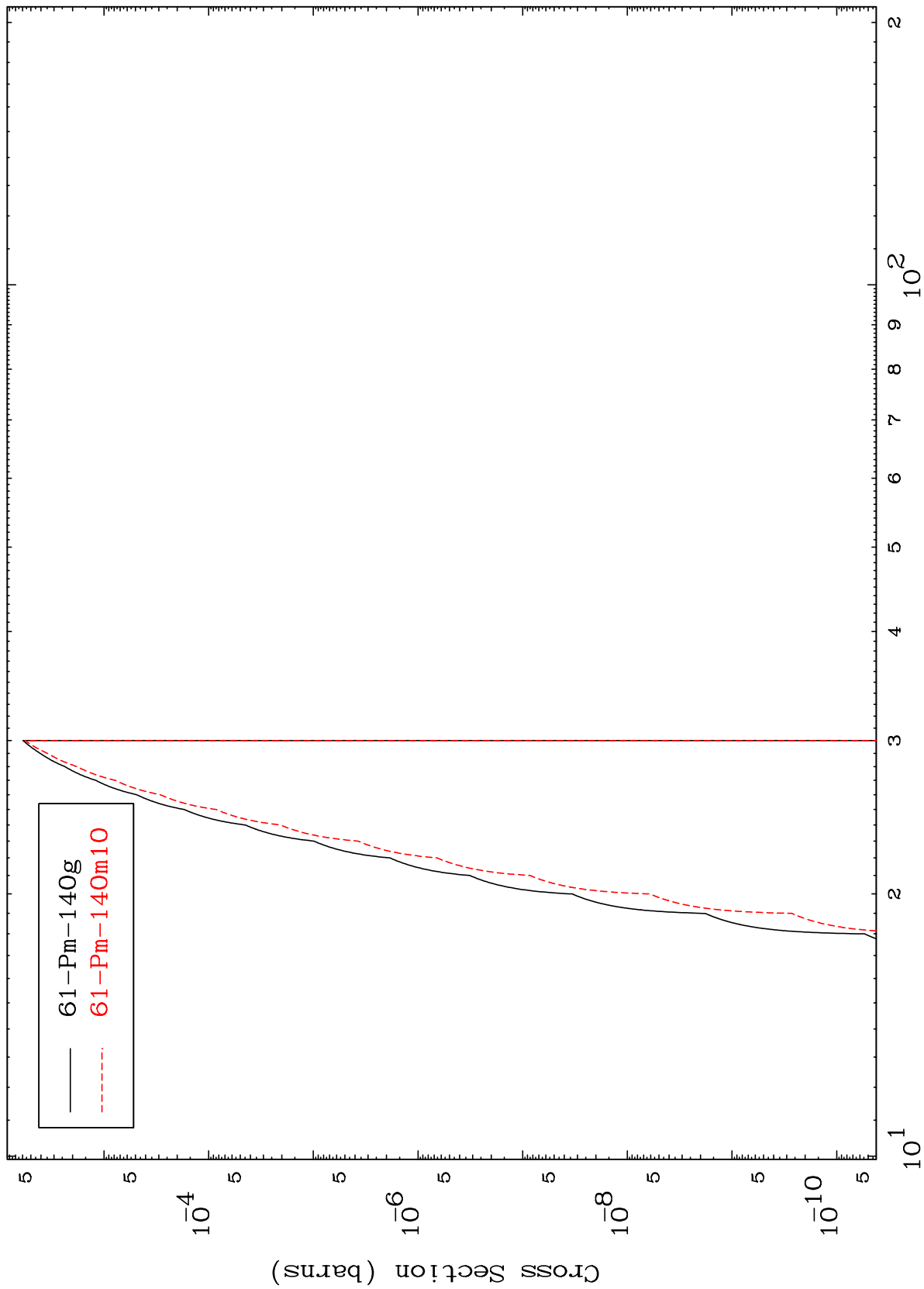


MAT 6307

(n,2n)  $\alpha$

63-Eu-145

Radionuclide Production Cross Section



129

Incident Energy (MeV)

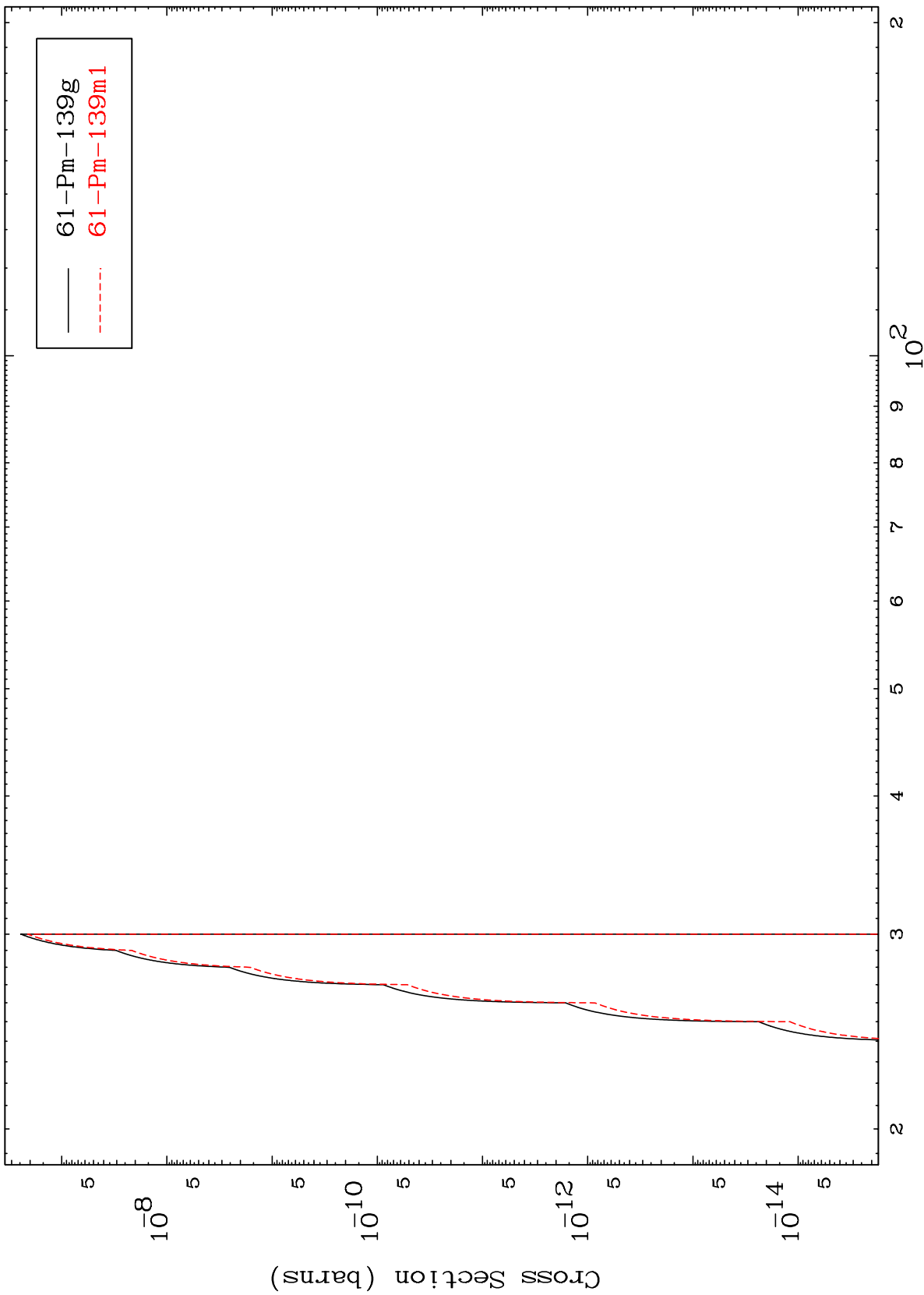
63-Eu-145

MAT 6307

(n,3n)  $\alpha$

63-Eu-145

Radionuclide Production Cross Section



130

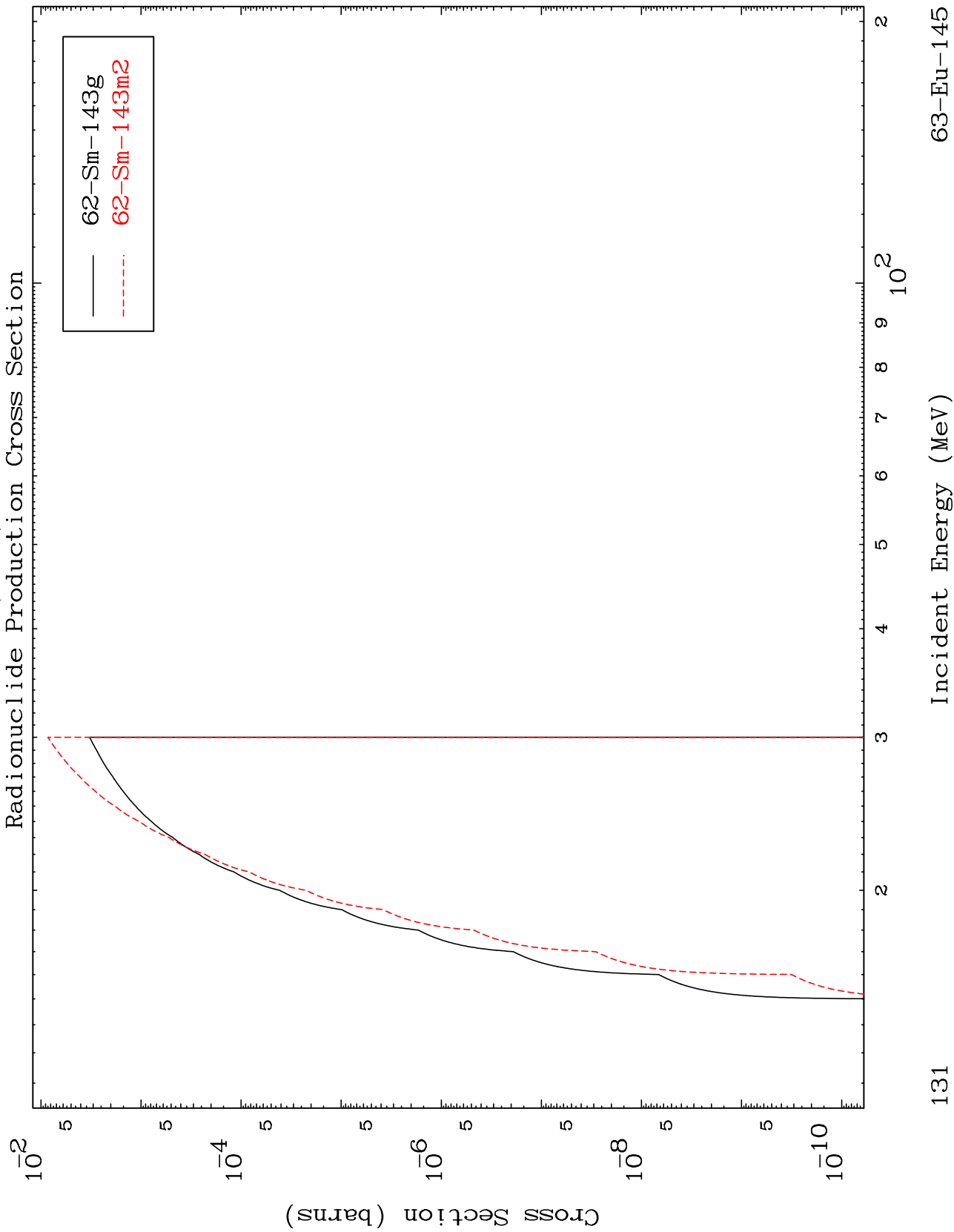
Incident Energy (MeV)

63-Eu-145

MAT 6307

(n,n') d

63-Eu-145



131

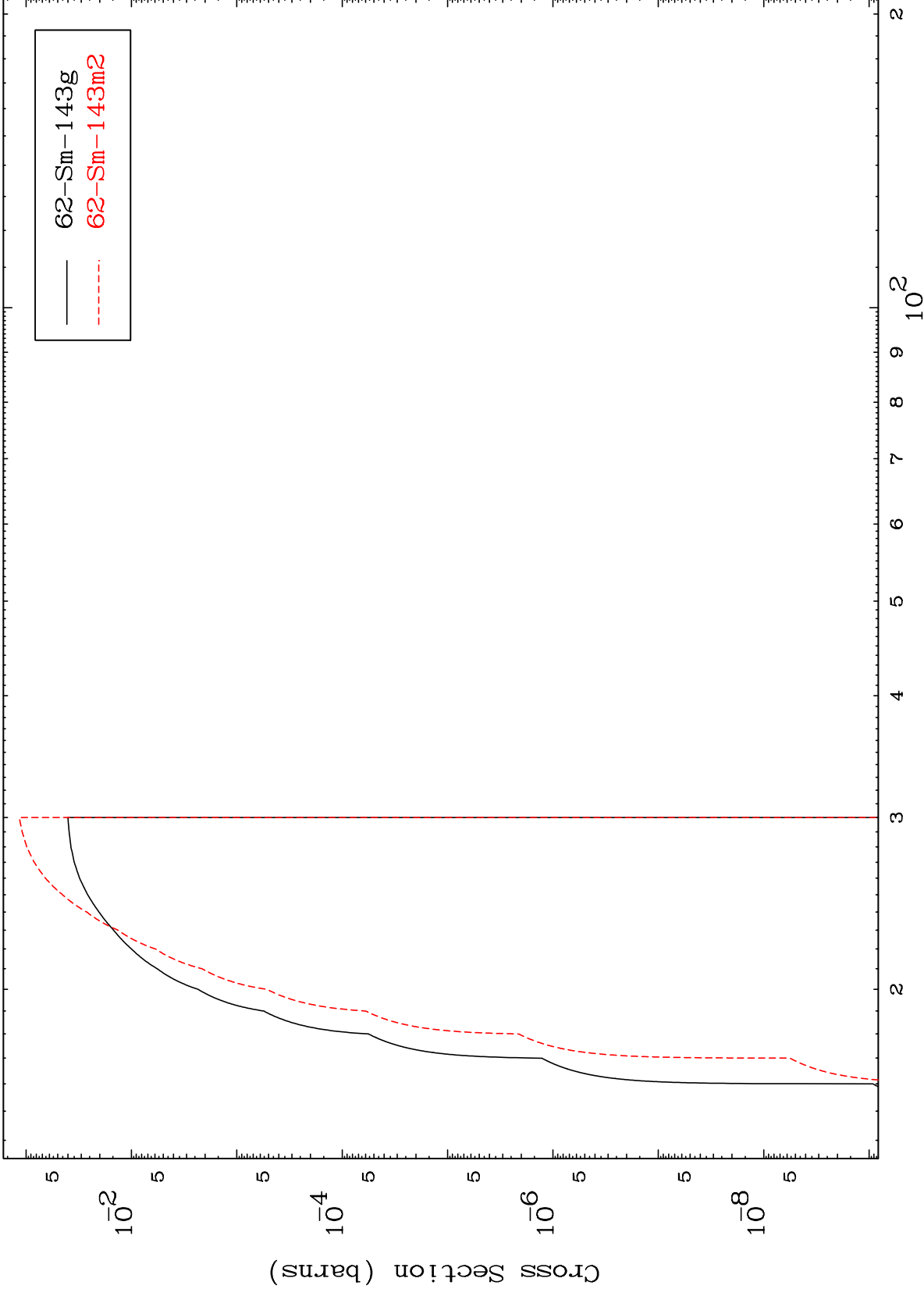
63-Eu-145

MAT 6307

(n,2n) p

63-Eu-145

Radionuclide Production Cross Section



62-Sm-143g  
62-Sm-143m2

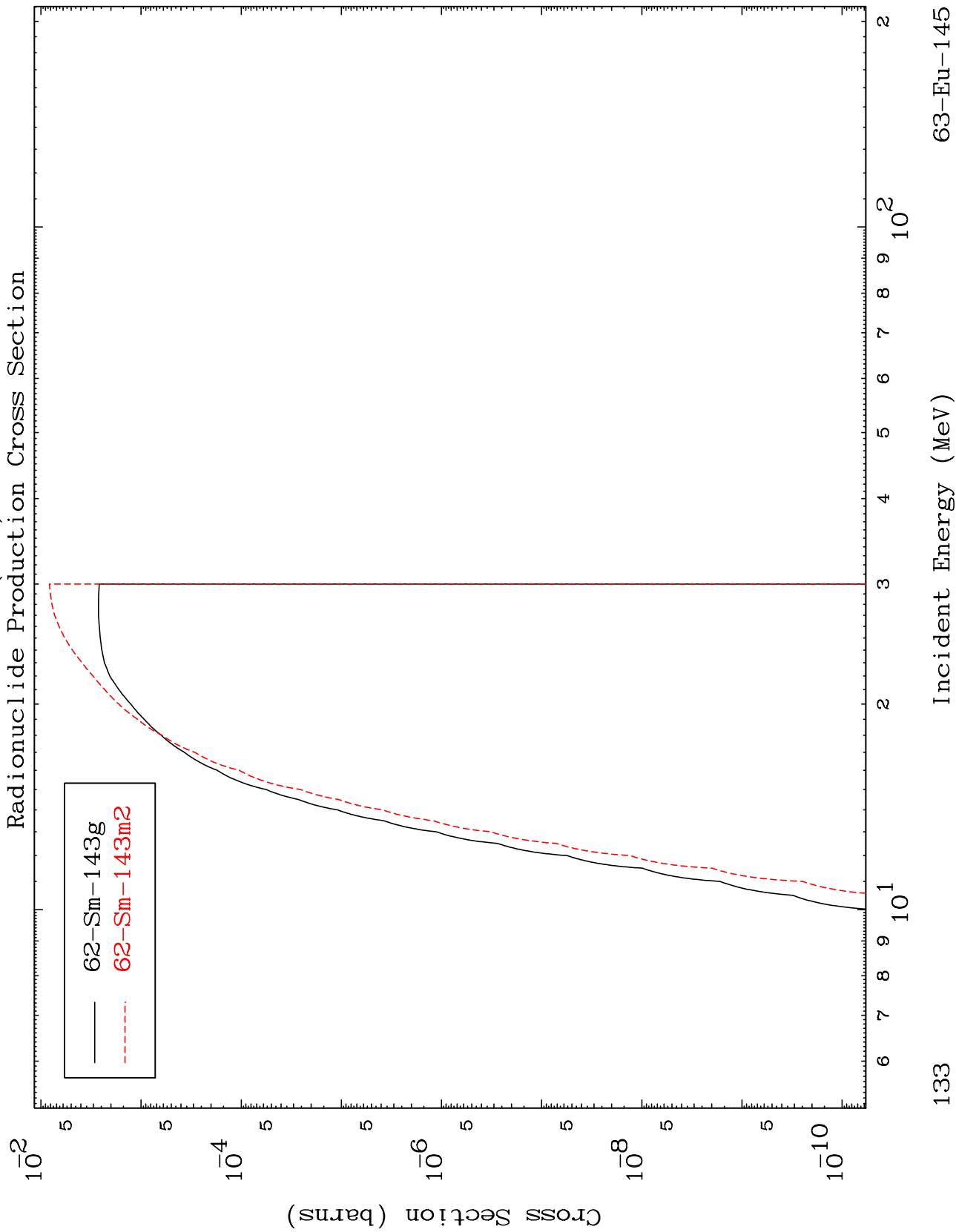
132

Incident Energy (MeV)

63-Eu-145

MAT 6307

63-Eu-145



62-Sm-143g  
62-Sm-143m2

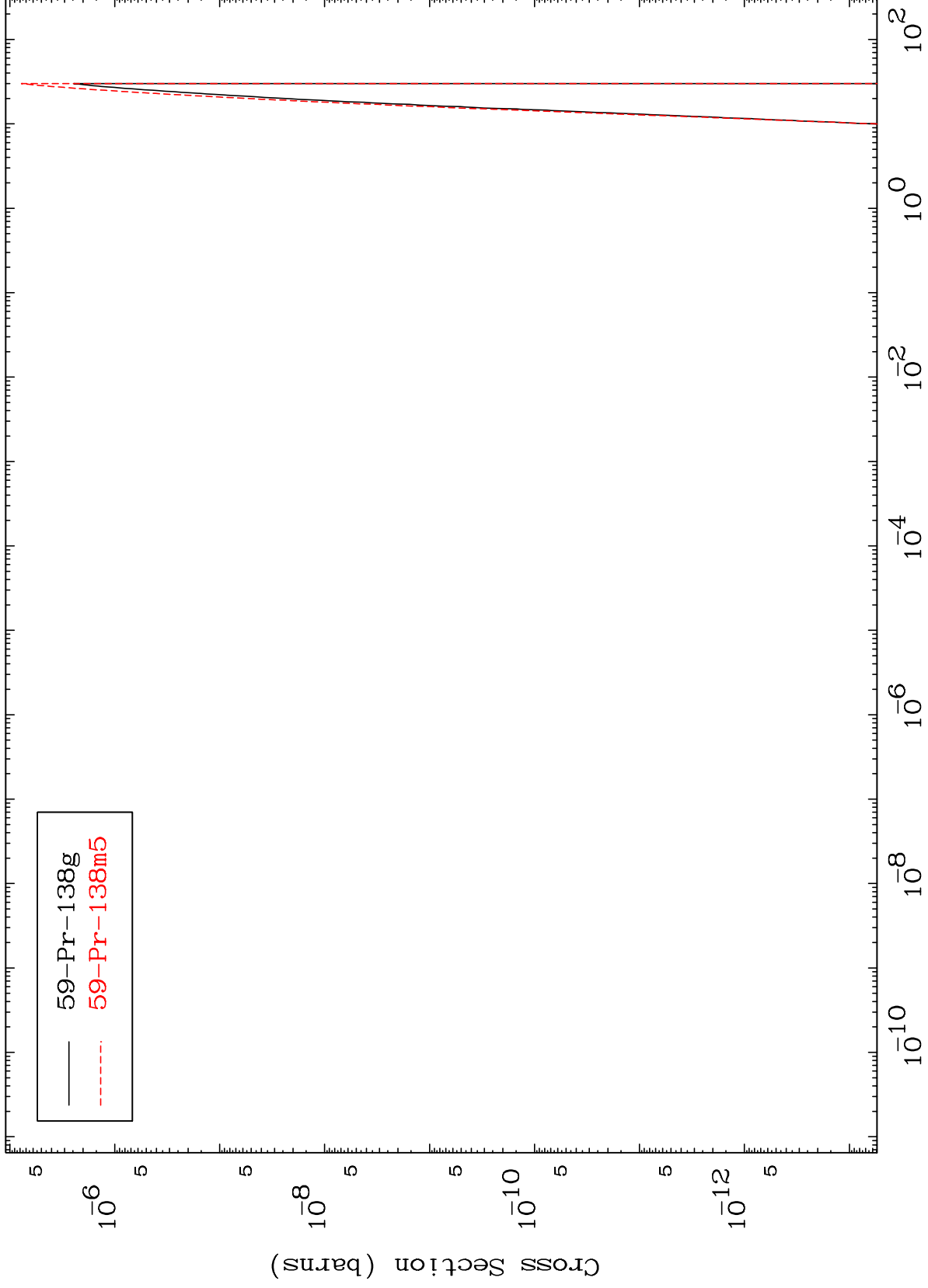
133

MAT 6307

(n,2α)

63-Eu-145

Radionuclide Production Cross Section



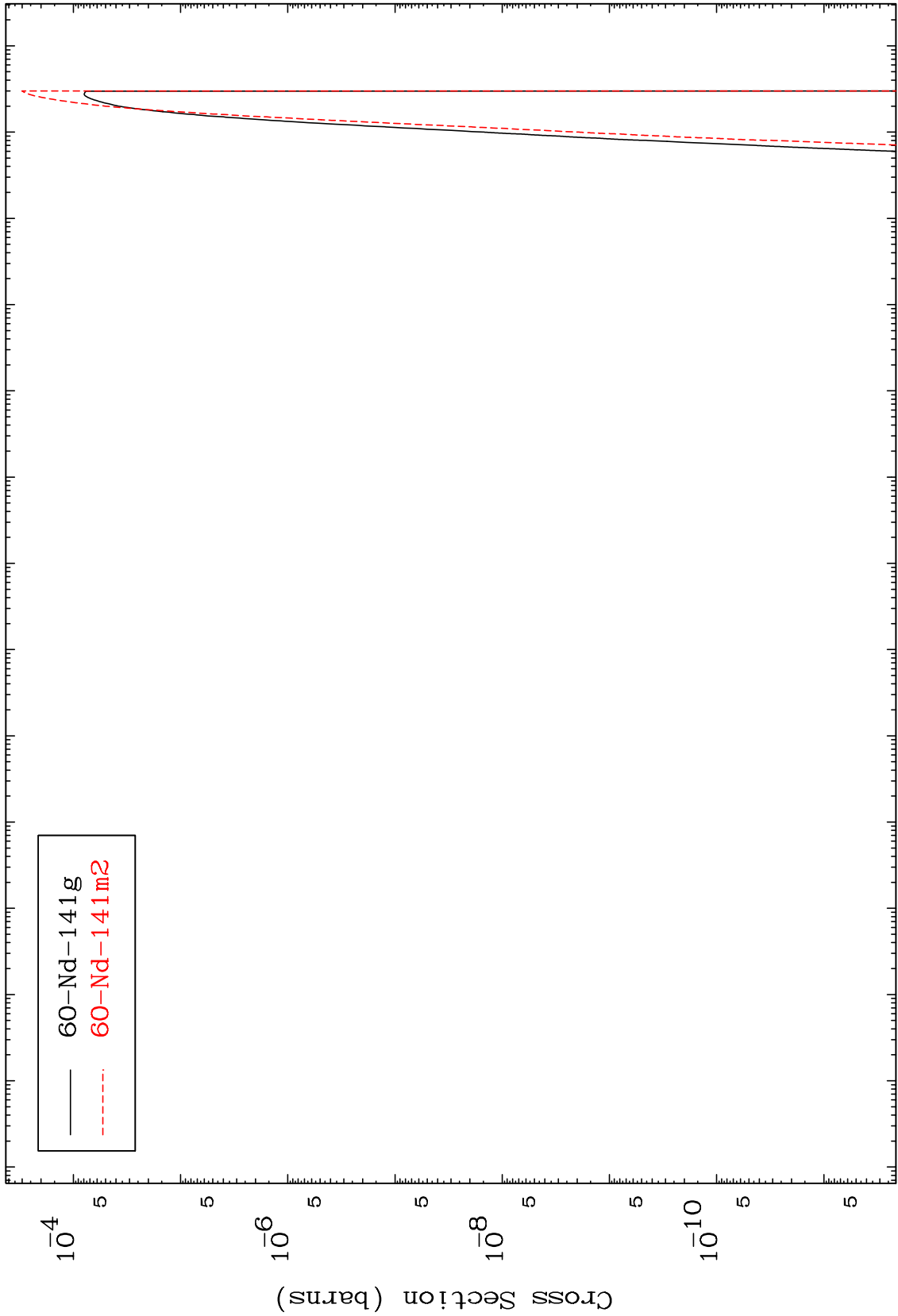
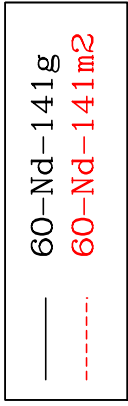
— 59-Pr-138g  
- - - 59-Pr-138m5

MAT 6307

(n,p)  $\alpha$

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

Radionuclide Production Cross Section



135

Incident Energy (MeV)

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