

Program EVALPLOT
(Version 2021-1)

by

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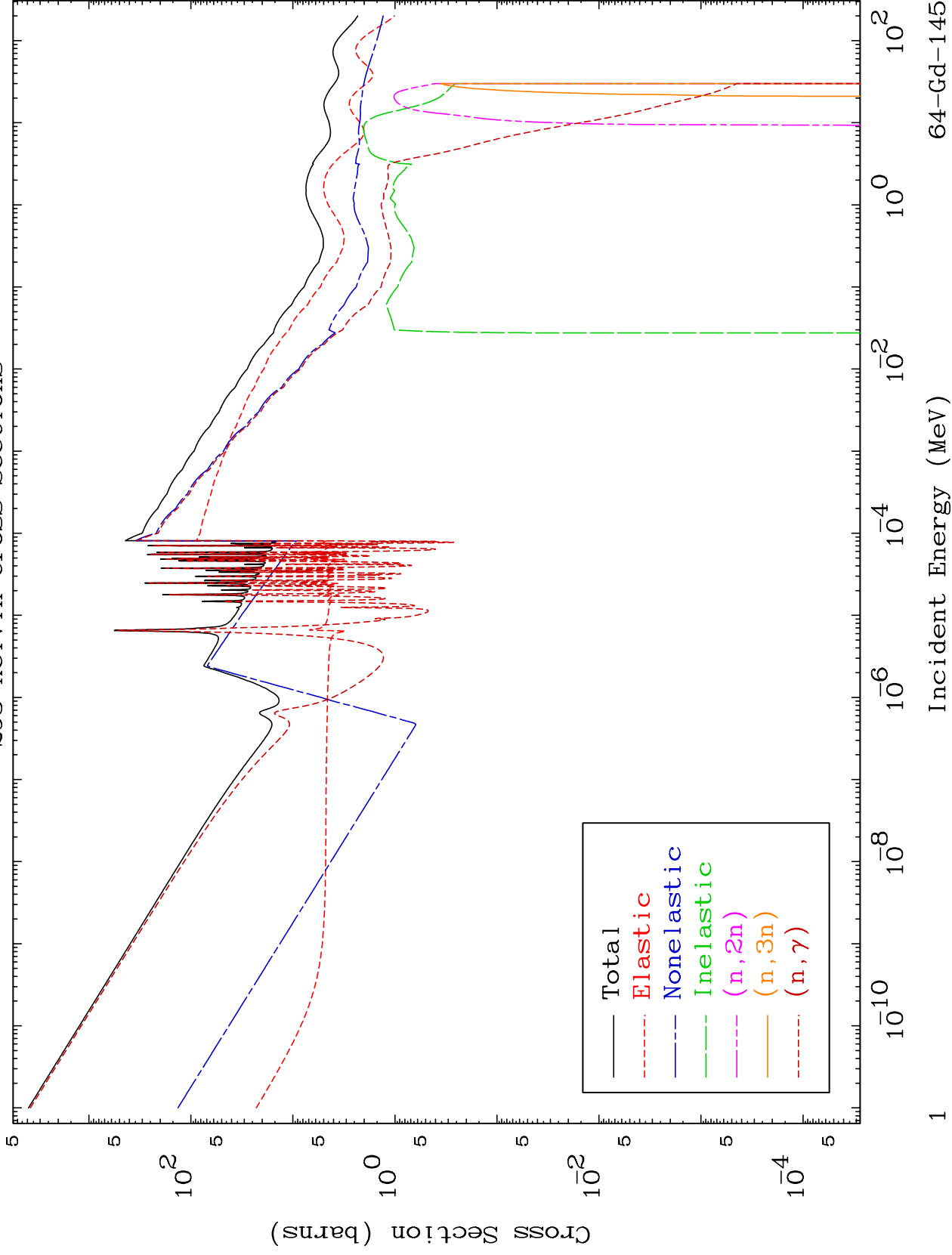
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Press Mouse Button to Start

MAT 6404

Neutron Major
293 Kelvin Cross Sections

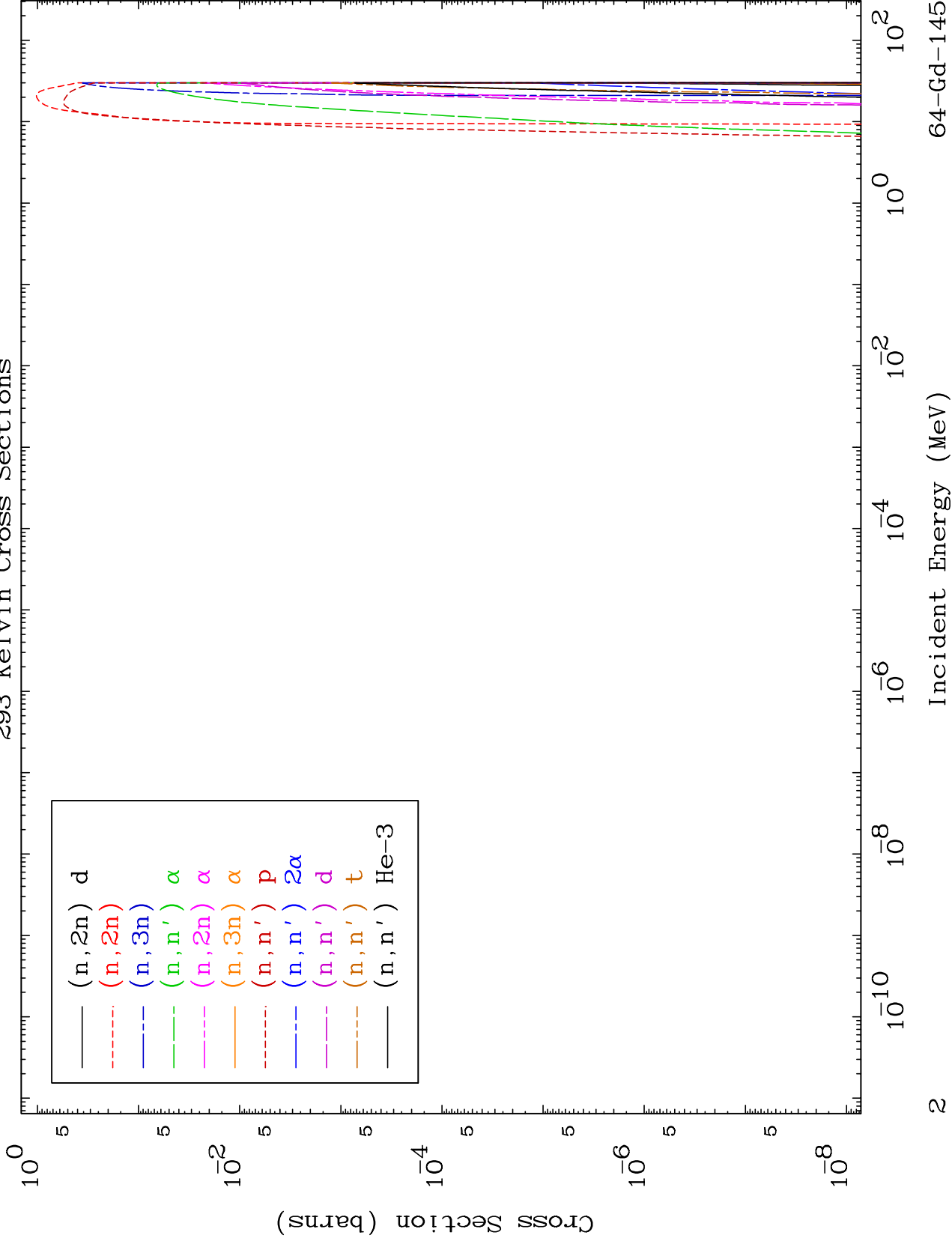
64-Gd-145



MAT 6404

Neutron Absorption
293 Kelvin Cross Sections

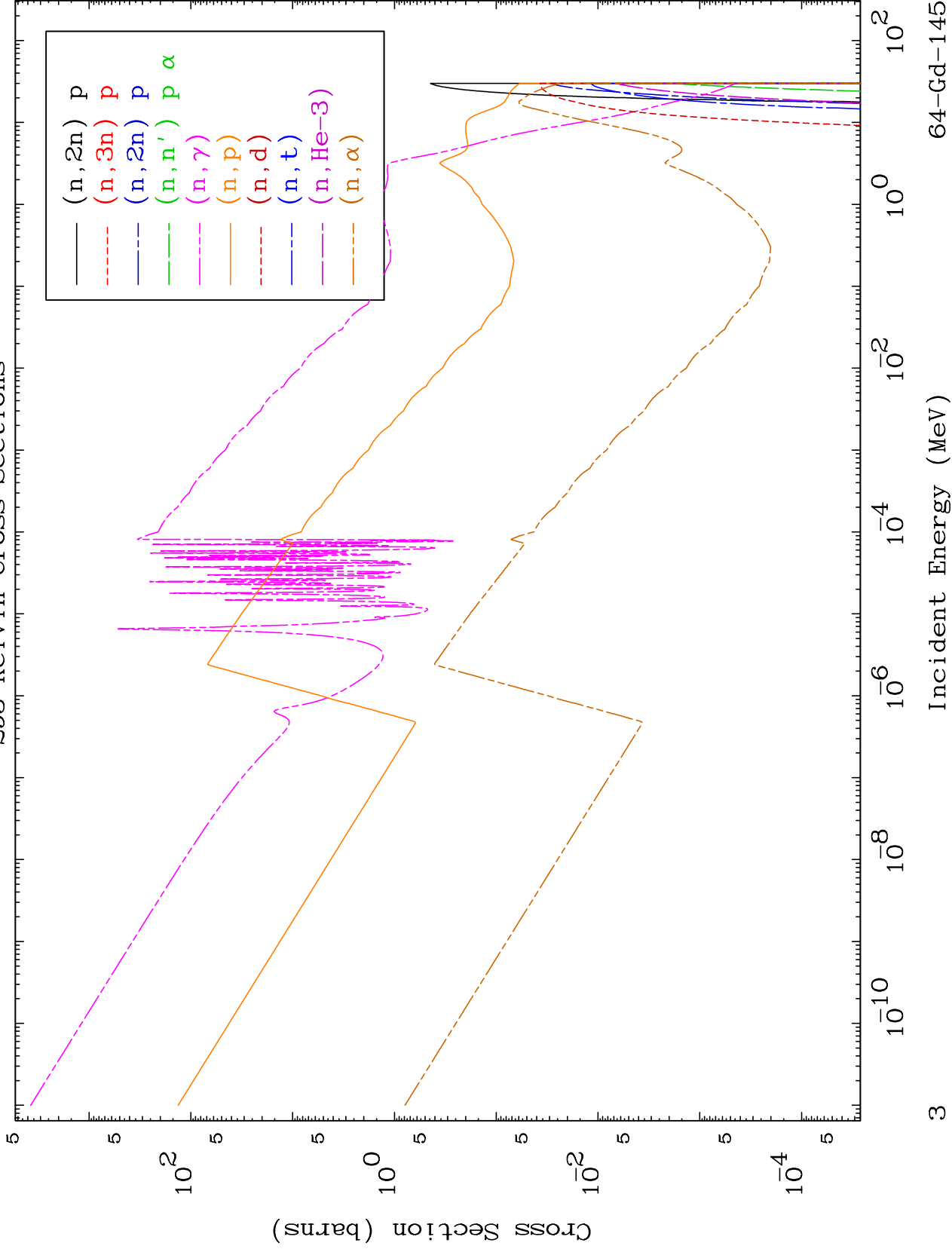
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MAT 6404

Neutron Absorption
293 Kelvin Cross Sections

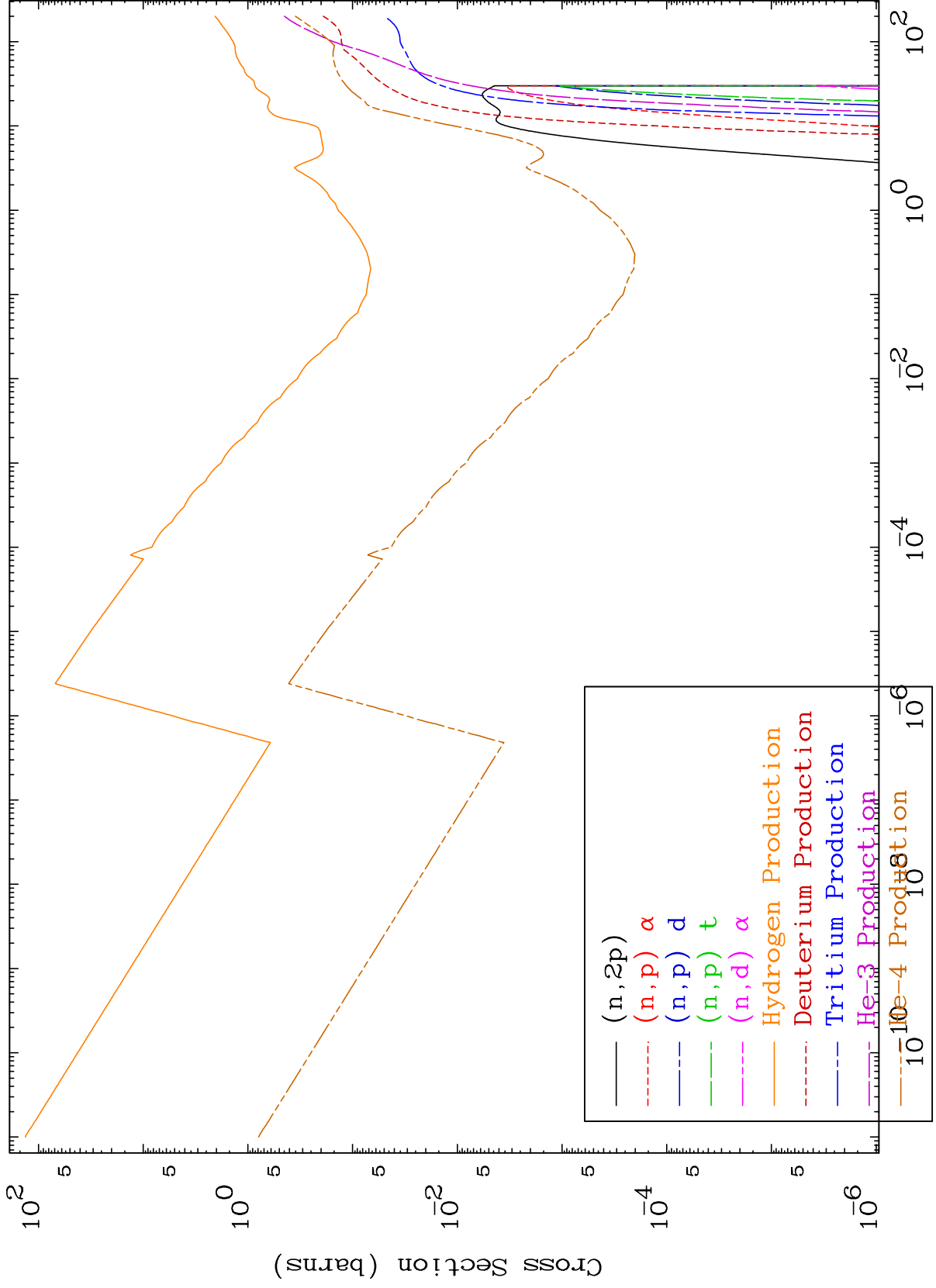
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MAT 6404

Neutron Absorption
293 Kelvin Cross Sections

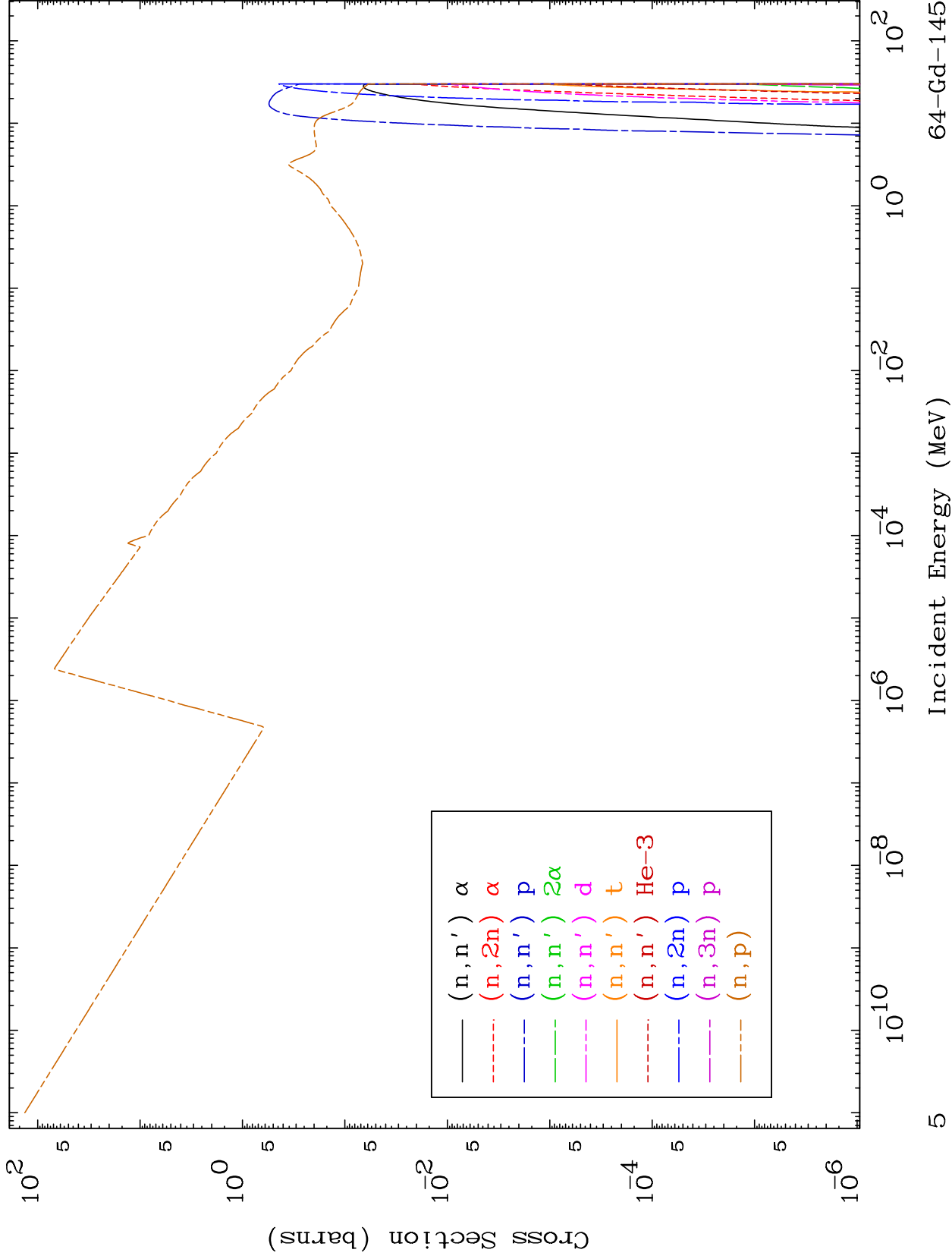
64-Gd-145

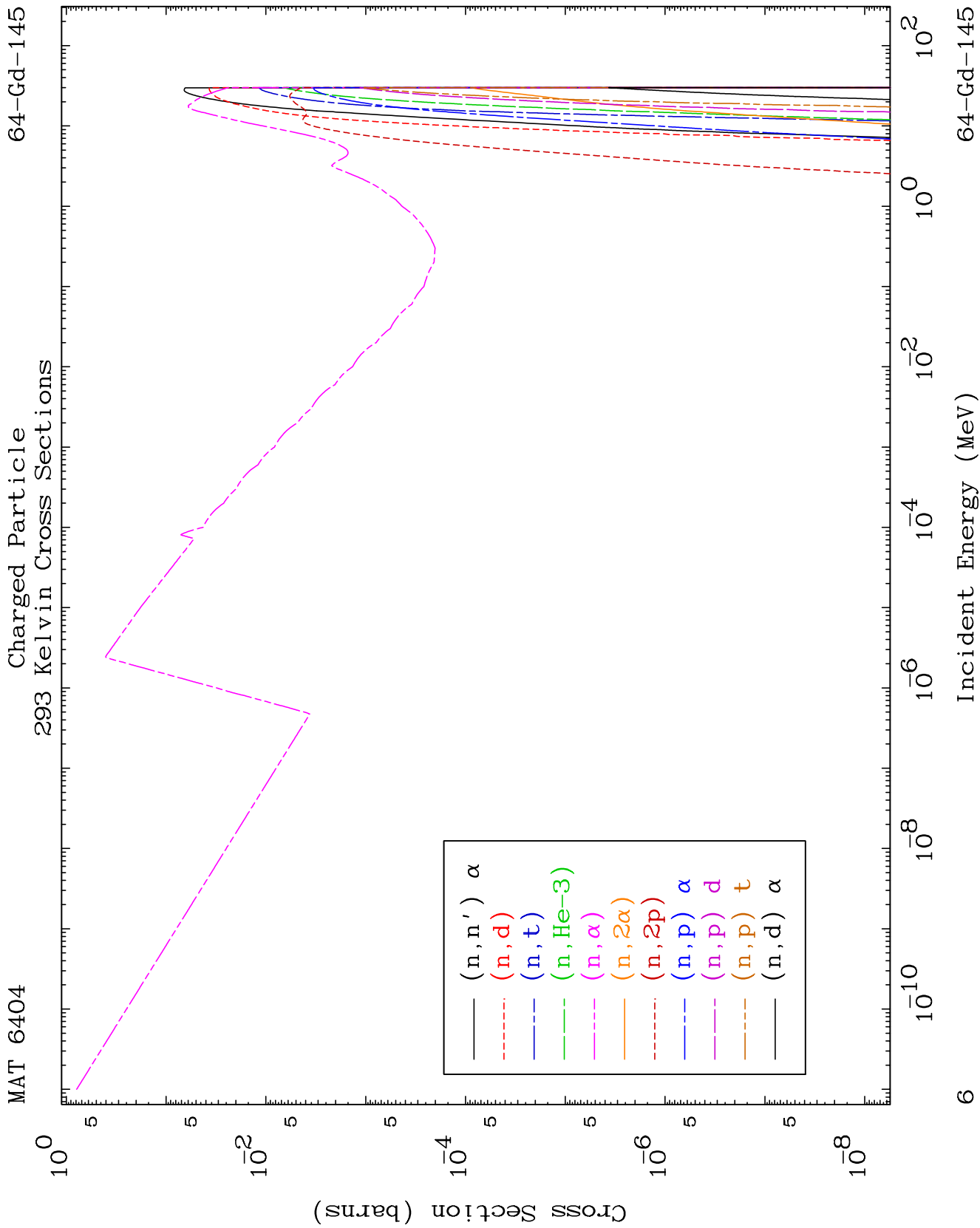


MAT 6404

Charged Particle
293 Kelvin Cross Sections

64-Gd-145

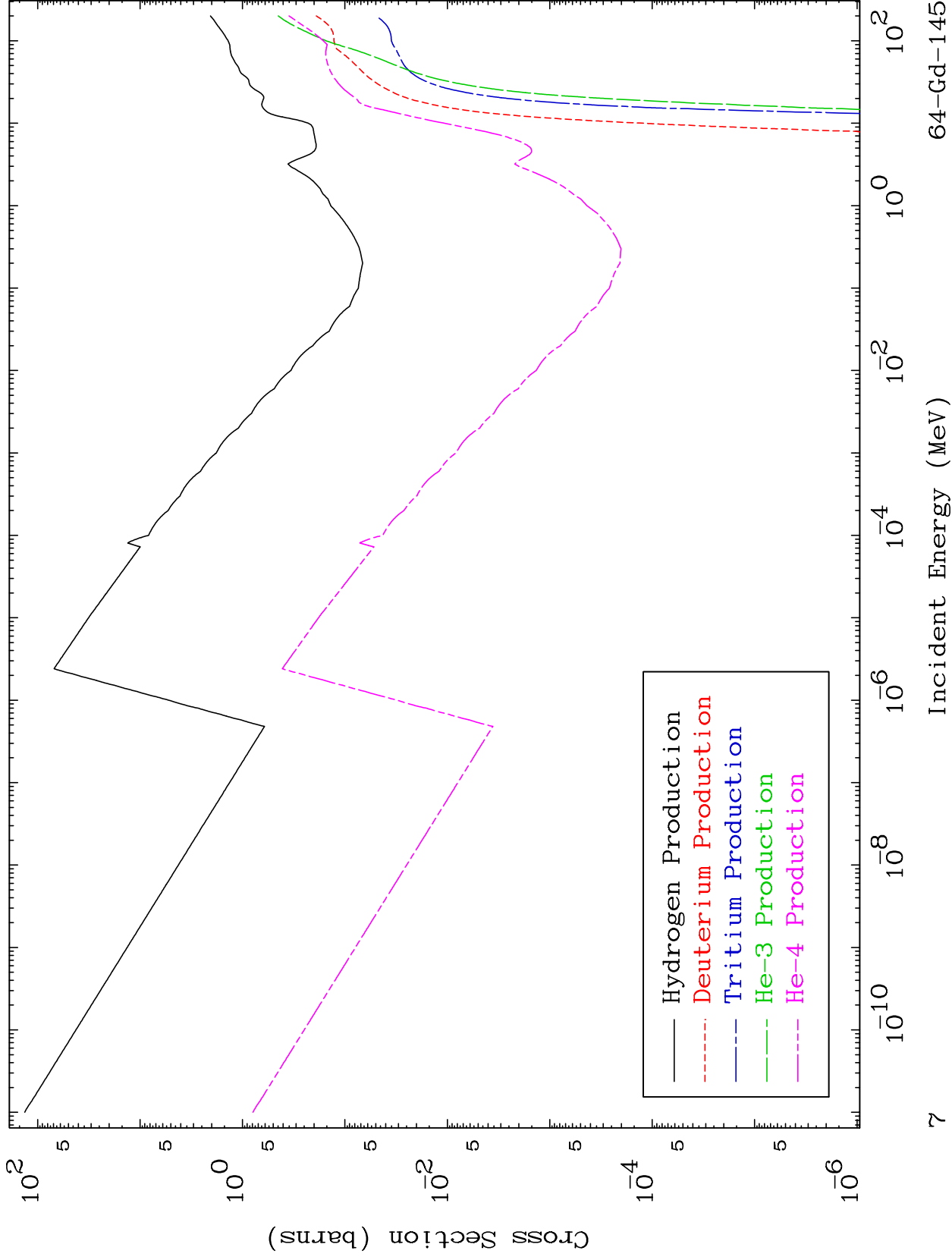




MAT 6404

Particle Production
293 Kelvin Cross Sections

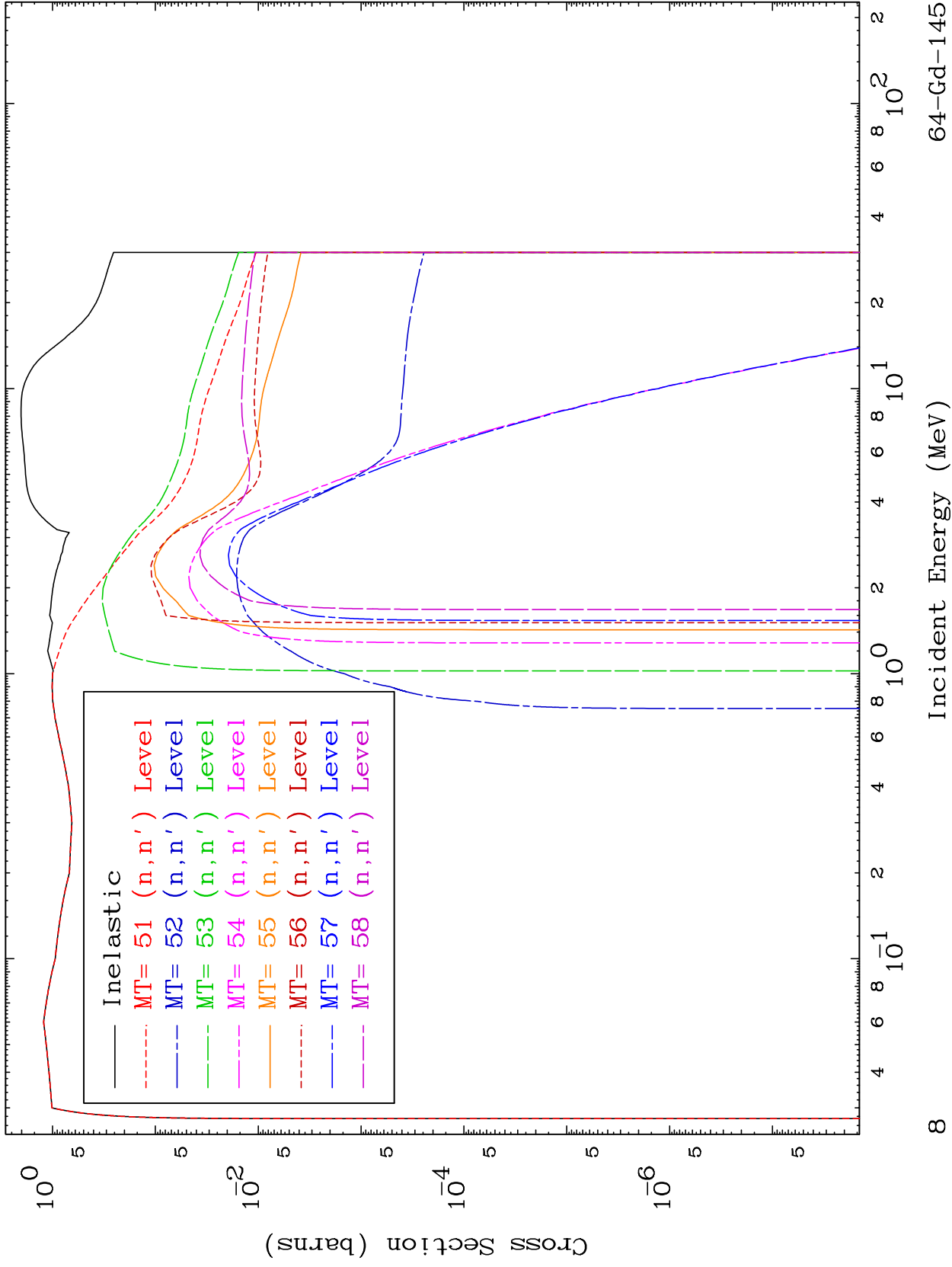
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MAT 6404

64-Gd-145

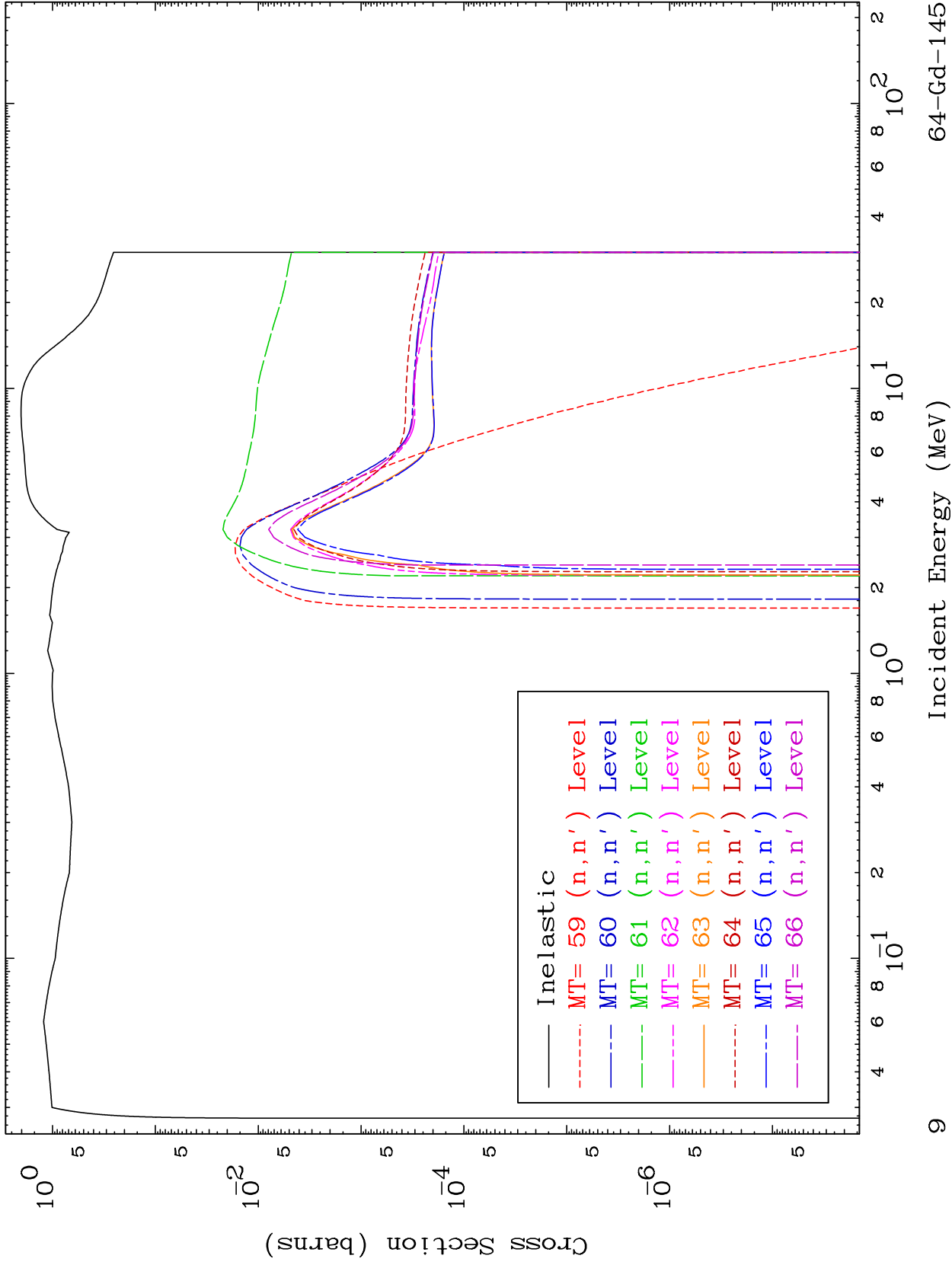
(n,n') Levels
293 Kelvin Cross Sections



MAT 6404

293 Kelvin Cross Sections

64-Gd-145

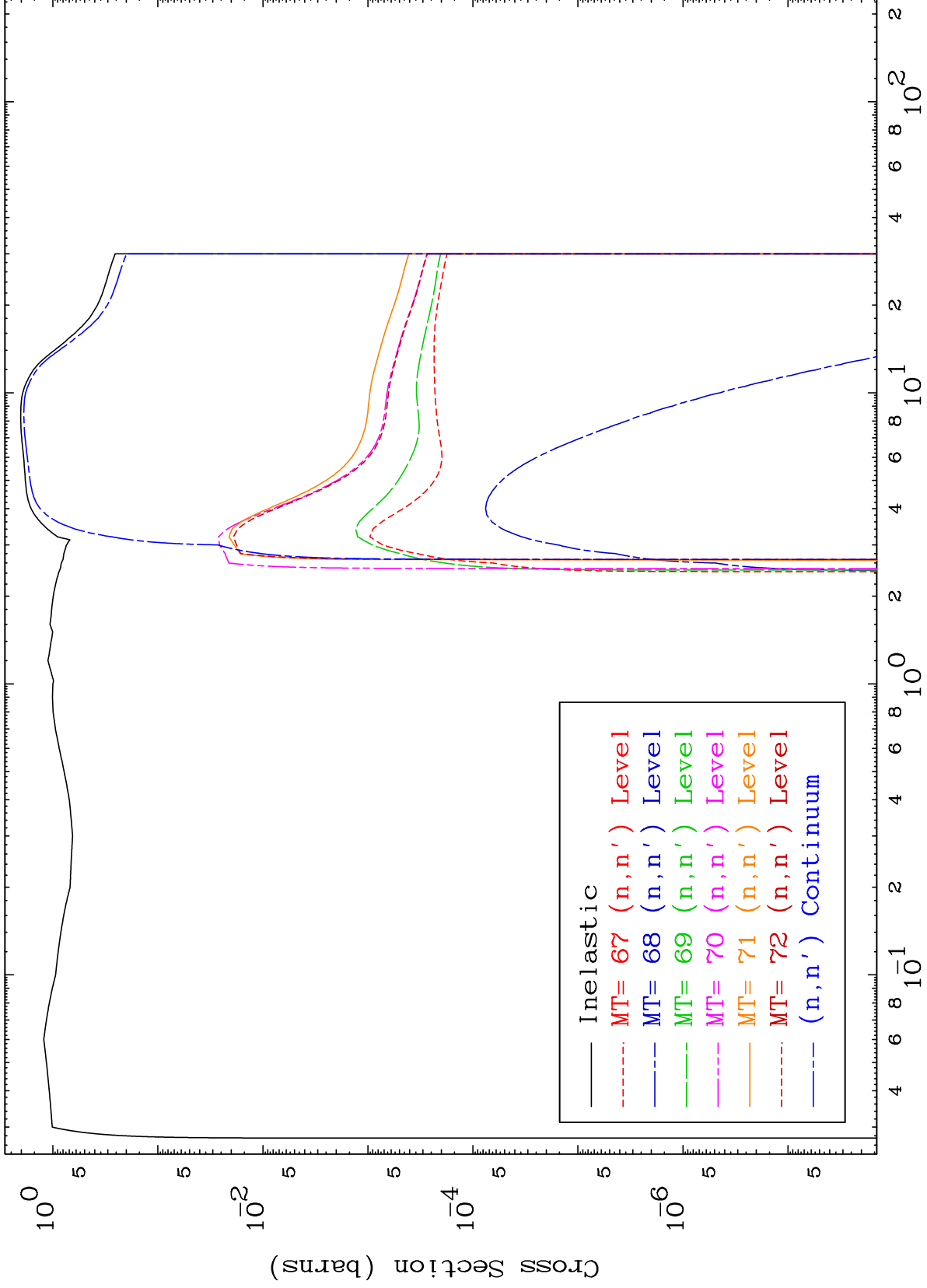


MAT 6404

(n,n') Levels

64-Gd-145

293 Kelvin Cross Sections



10

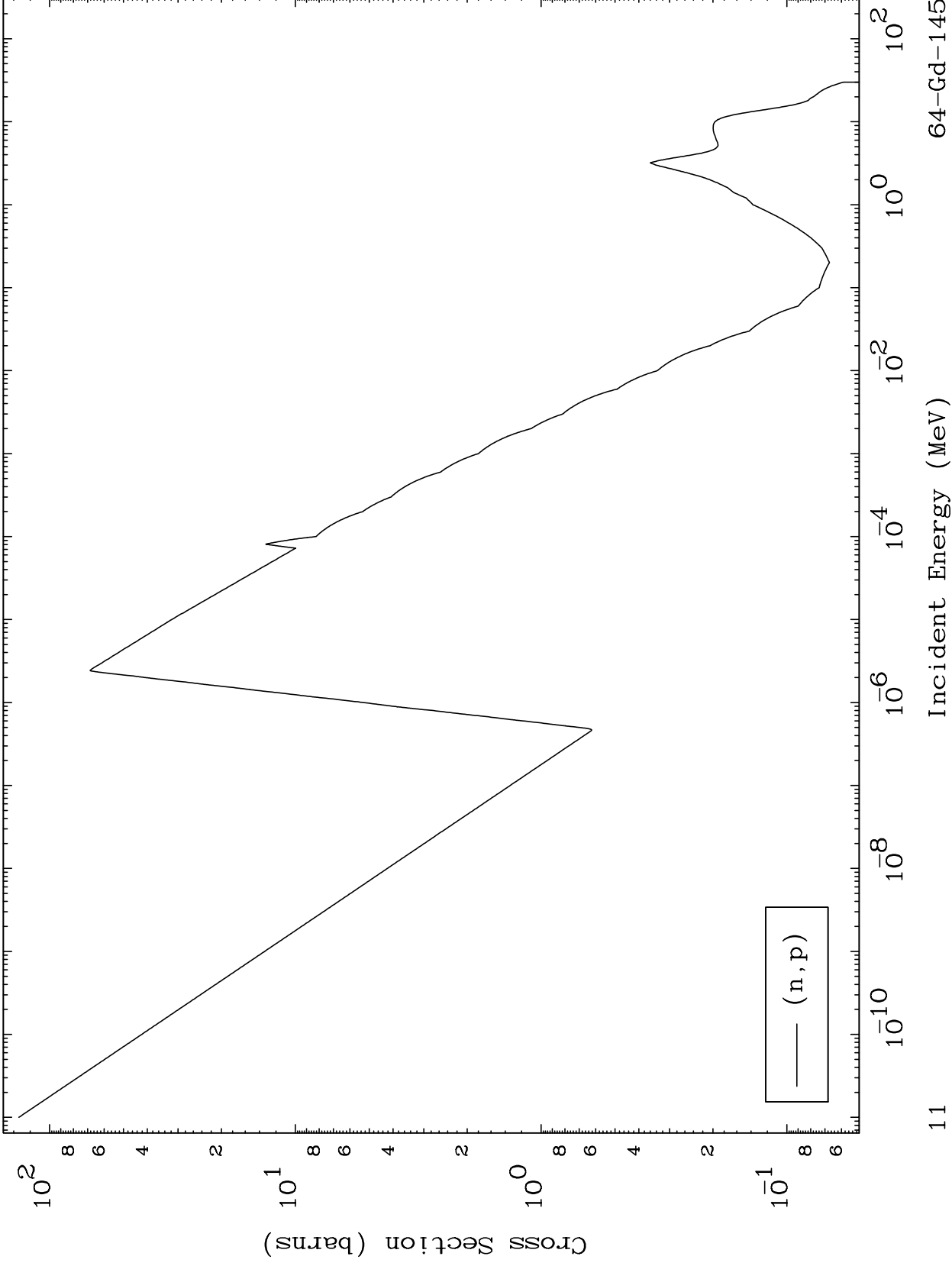
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,p) Levels
293 Kelvin Cross Sections

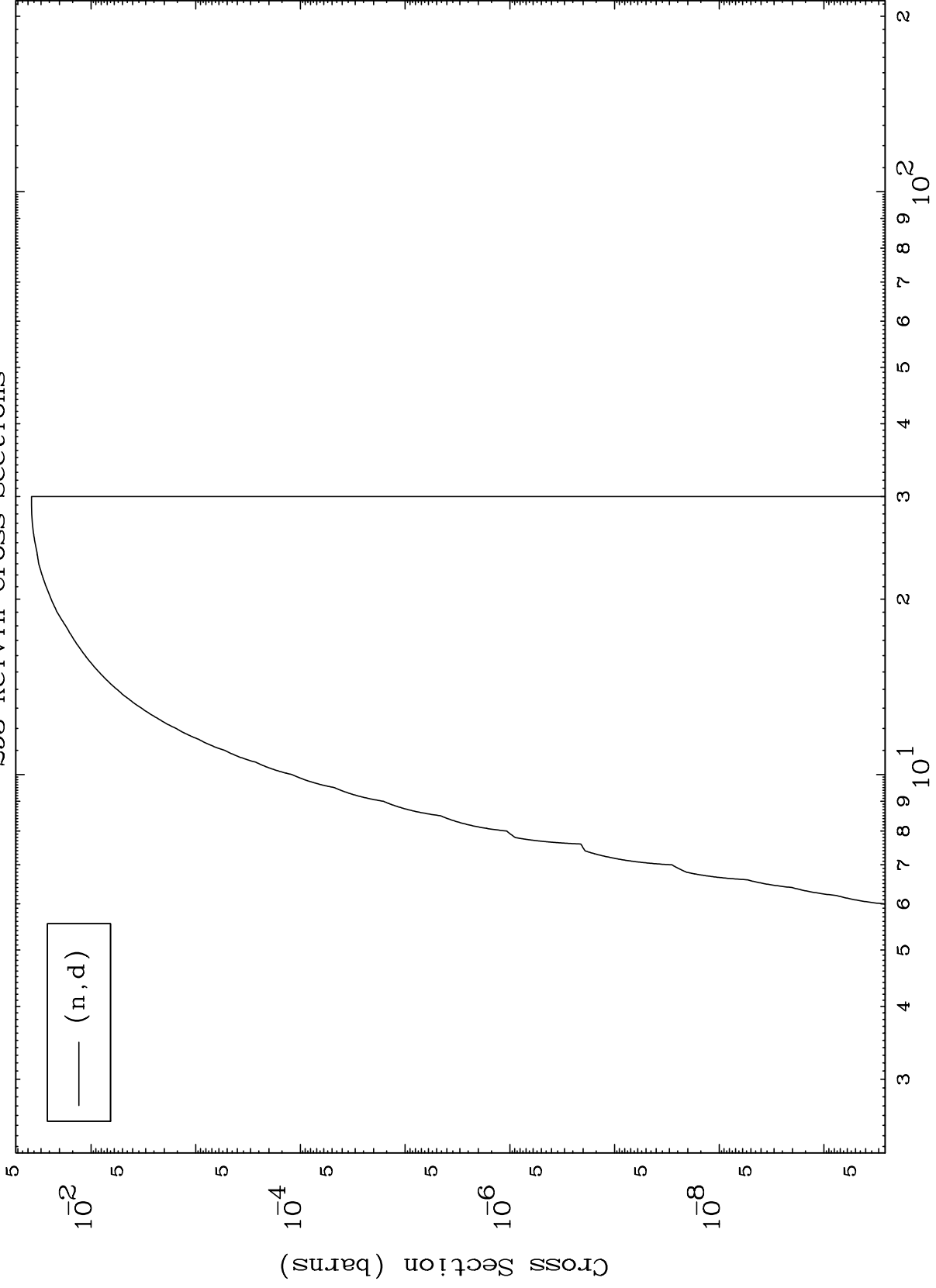
64-Gd-145



MAT 6404

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-145



12

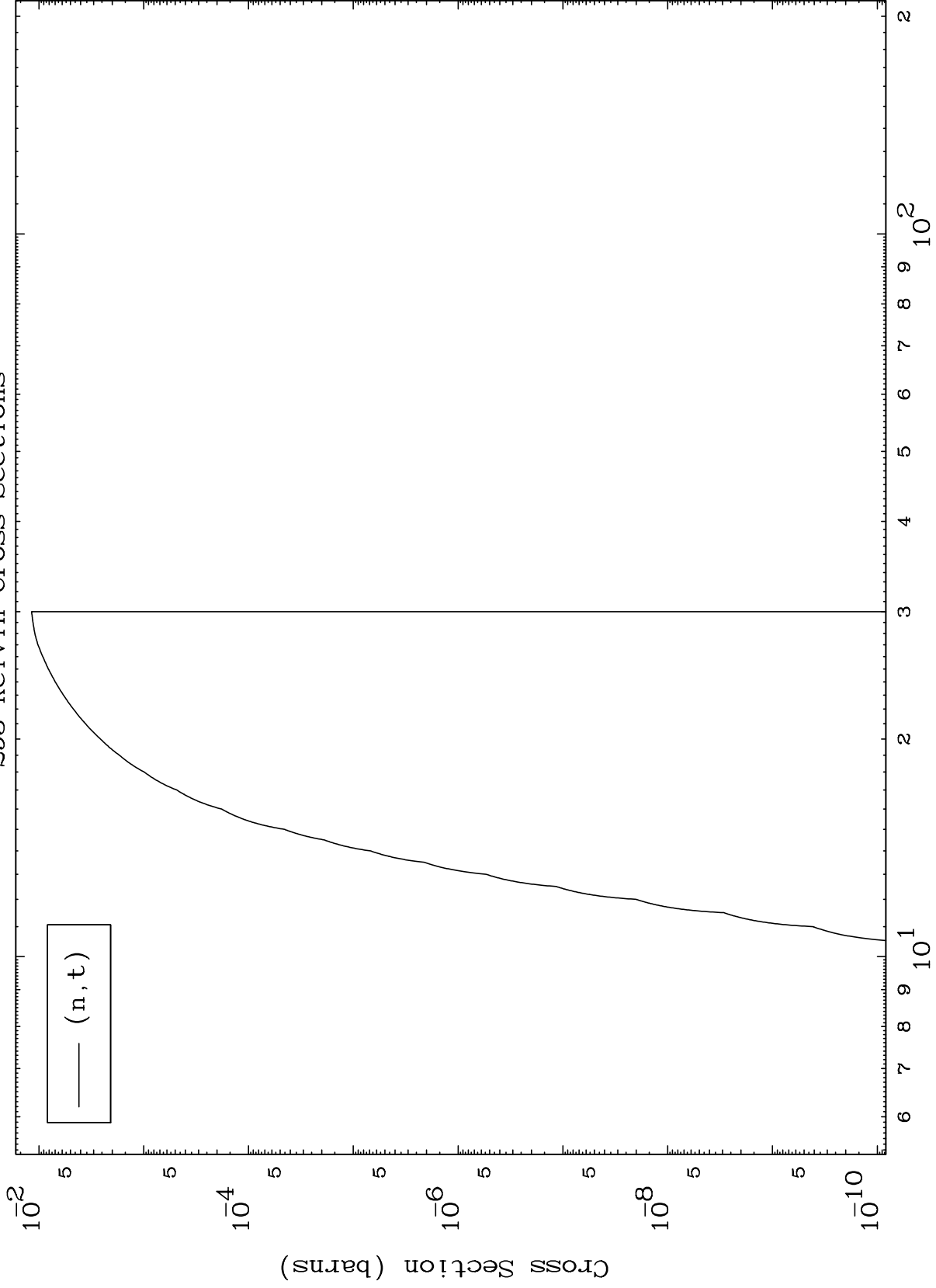
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-145



13

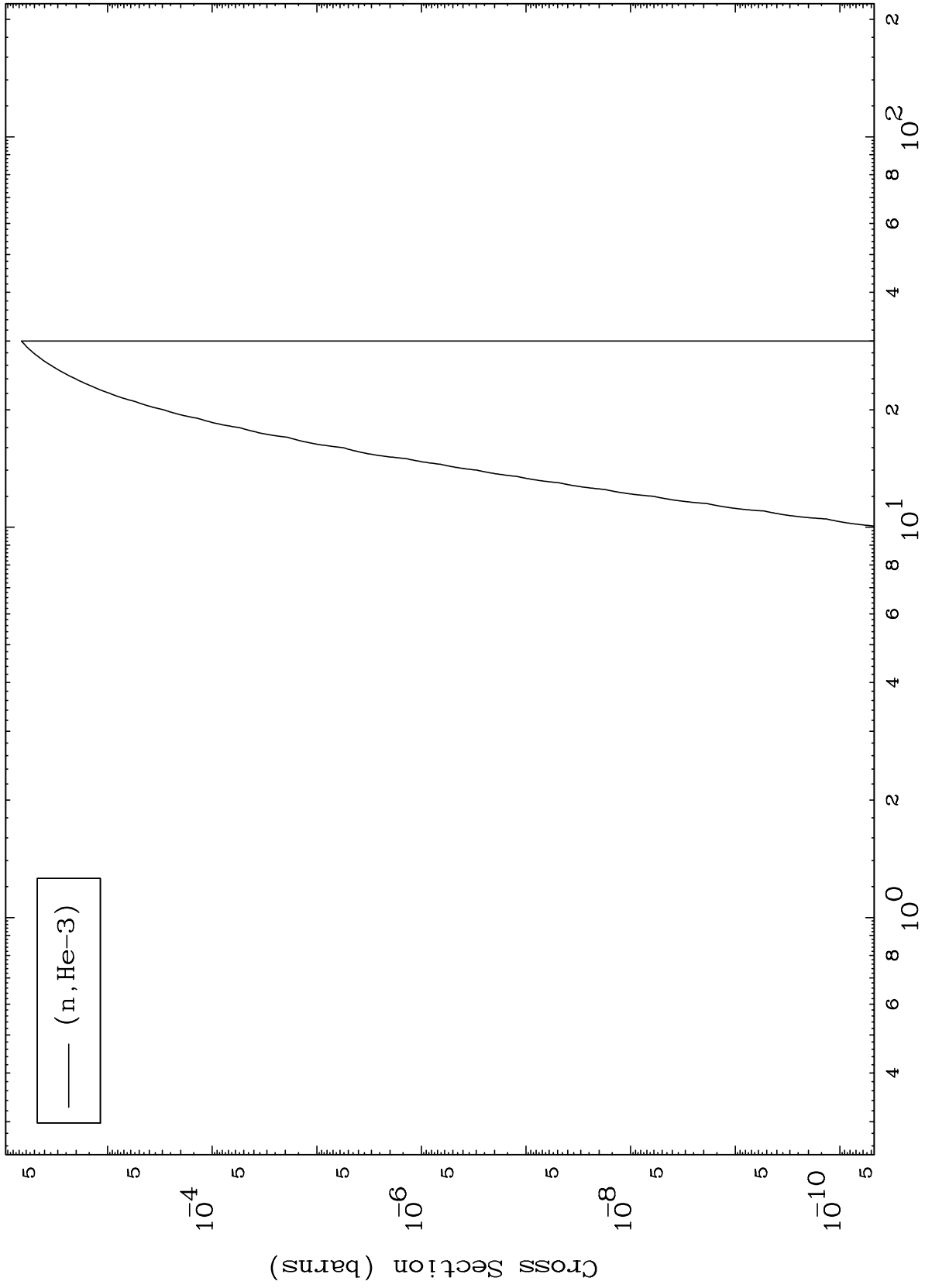
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,He3) Levels
293 Kelvin Cross Sections

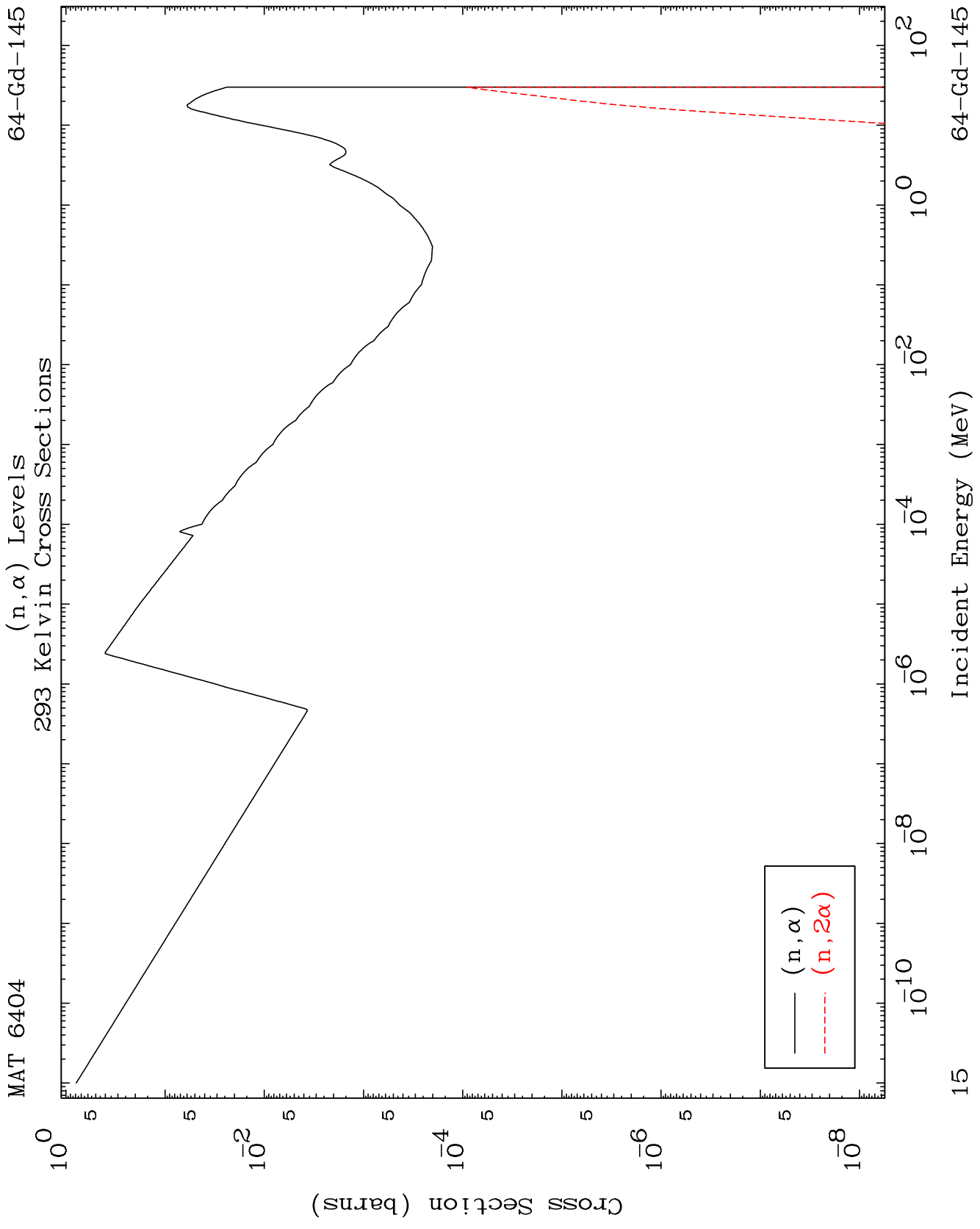
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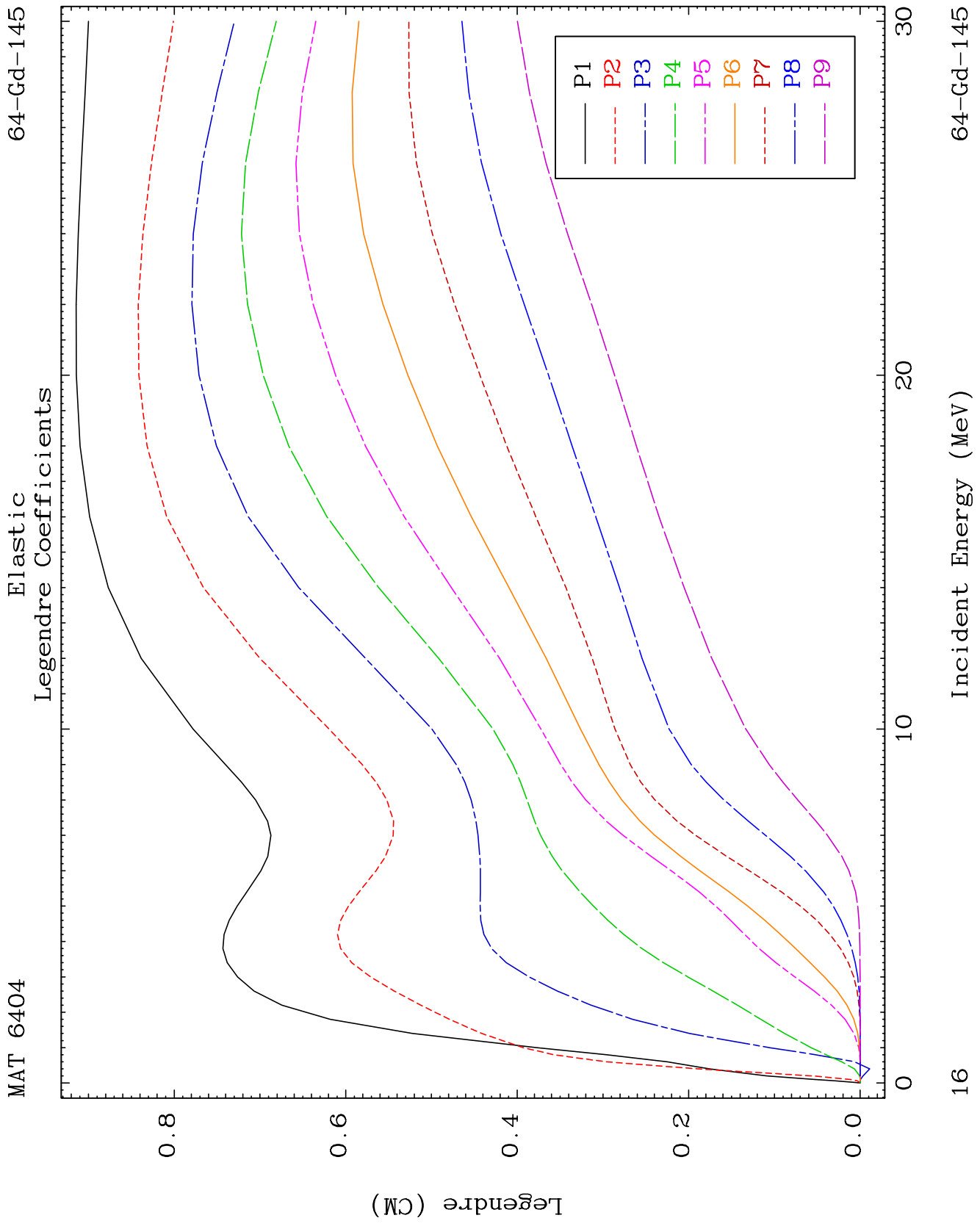


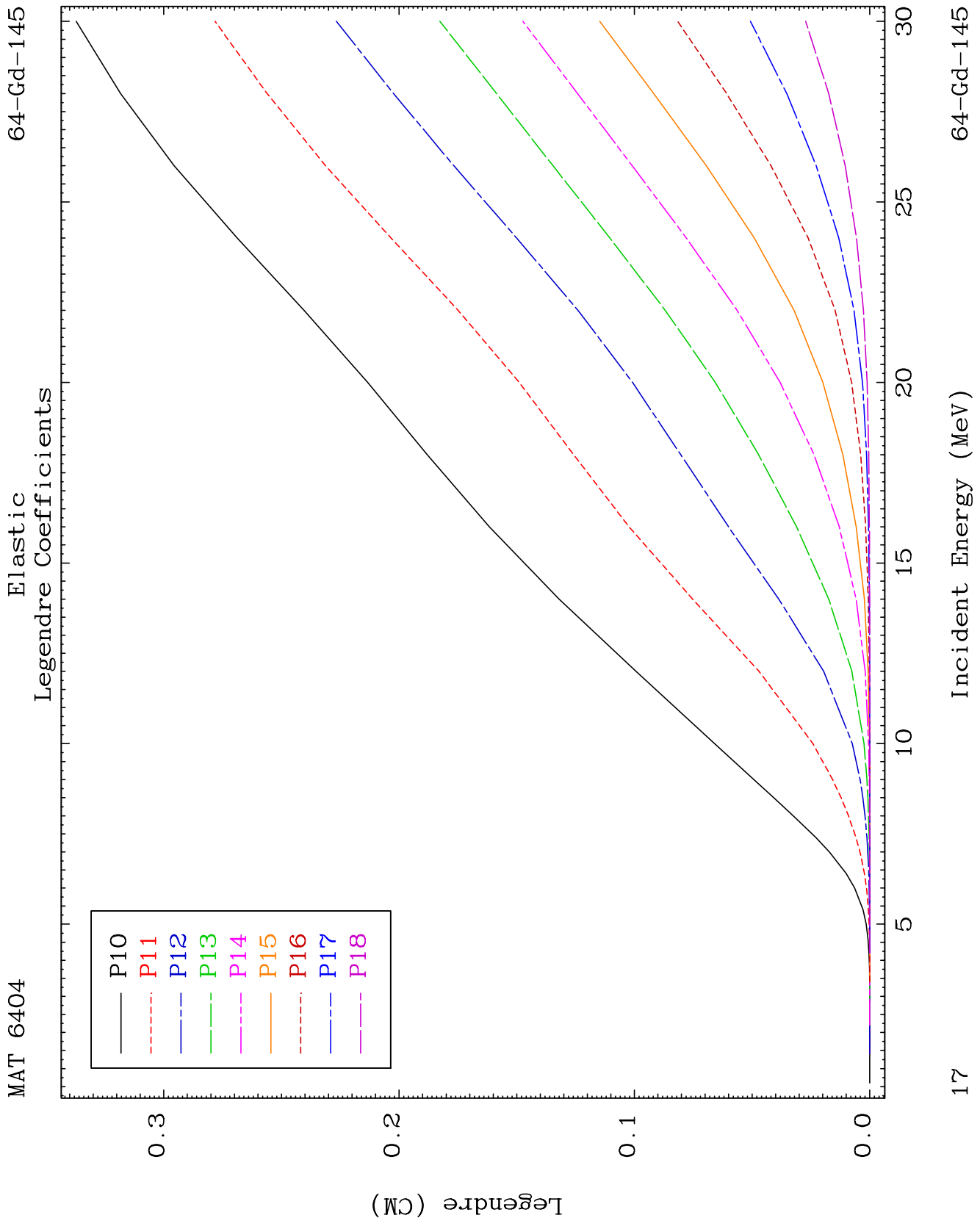
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Incident Energy (MeV)

64-Gd-145



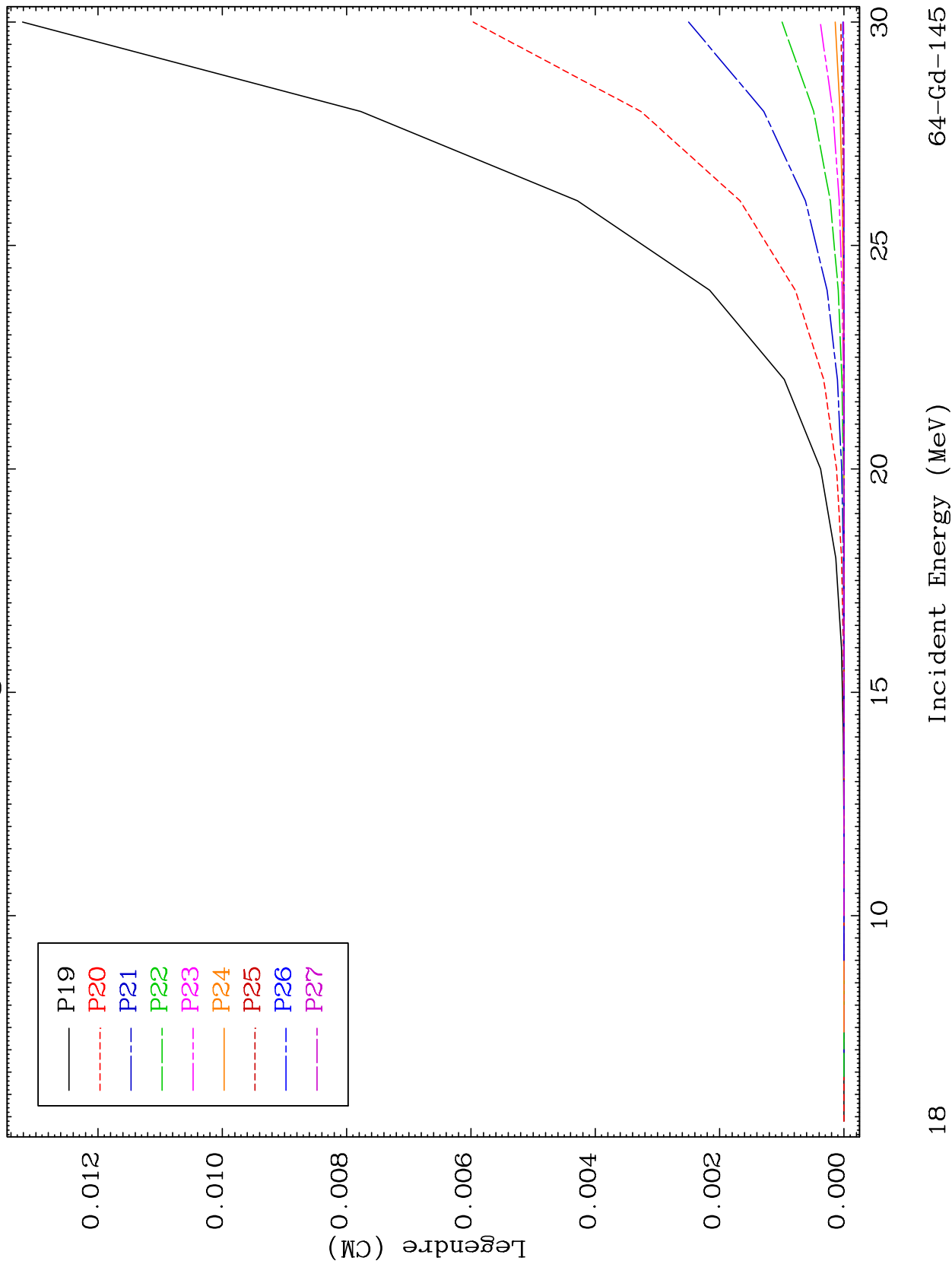




MAT 6404

Elastic Legendre Coefficients

64-Gd-145



18

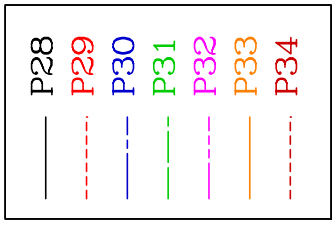
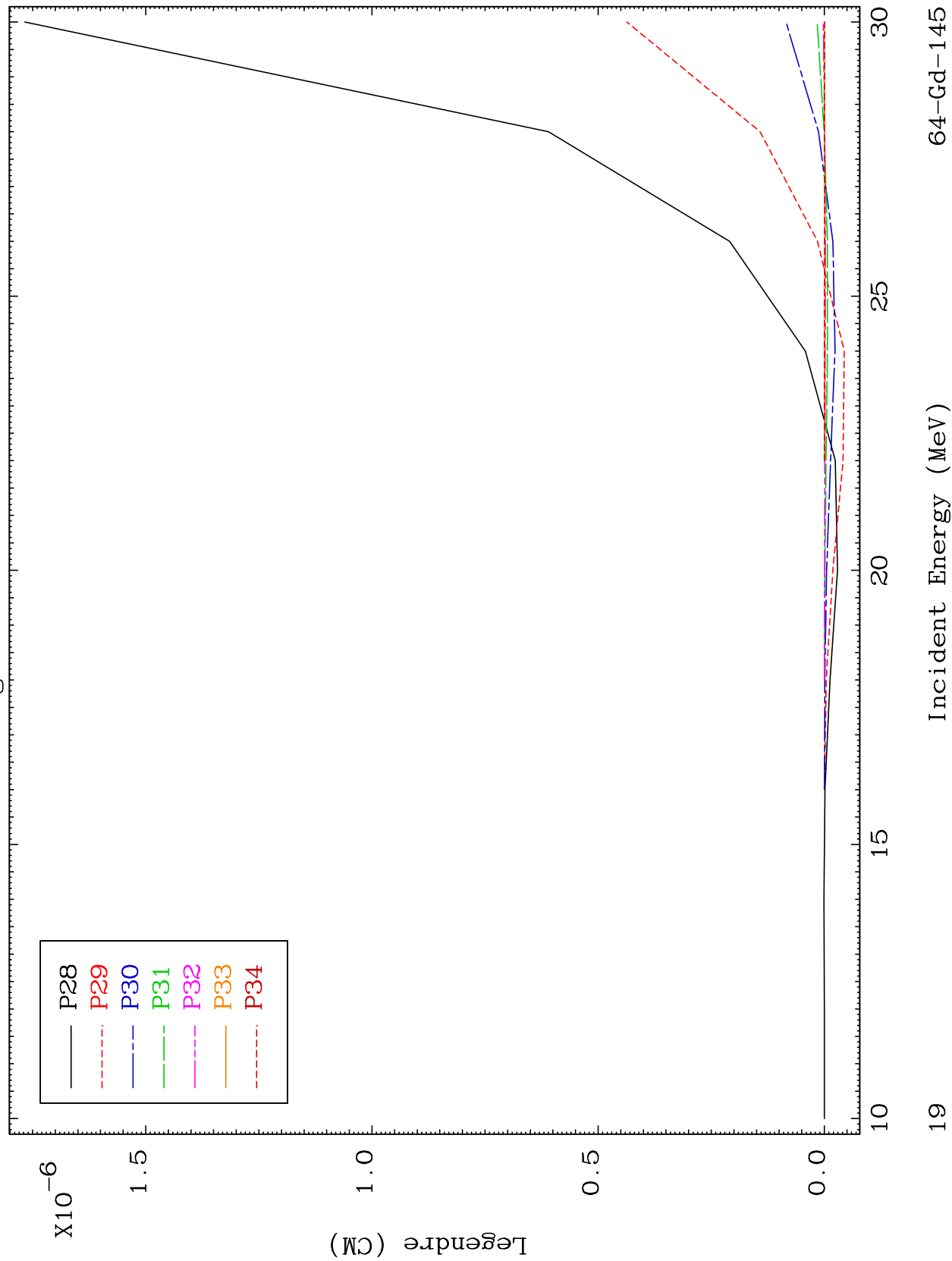
Incident Energy (MeV)

64-Gd-145

MAT 6404

Elastic Legendre Coefficients

64-Gd-145



19

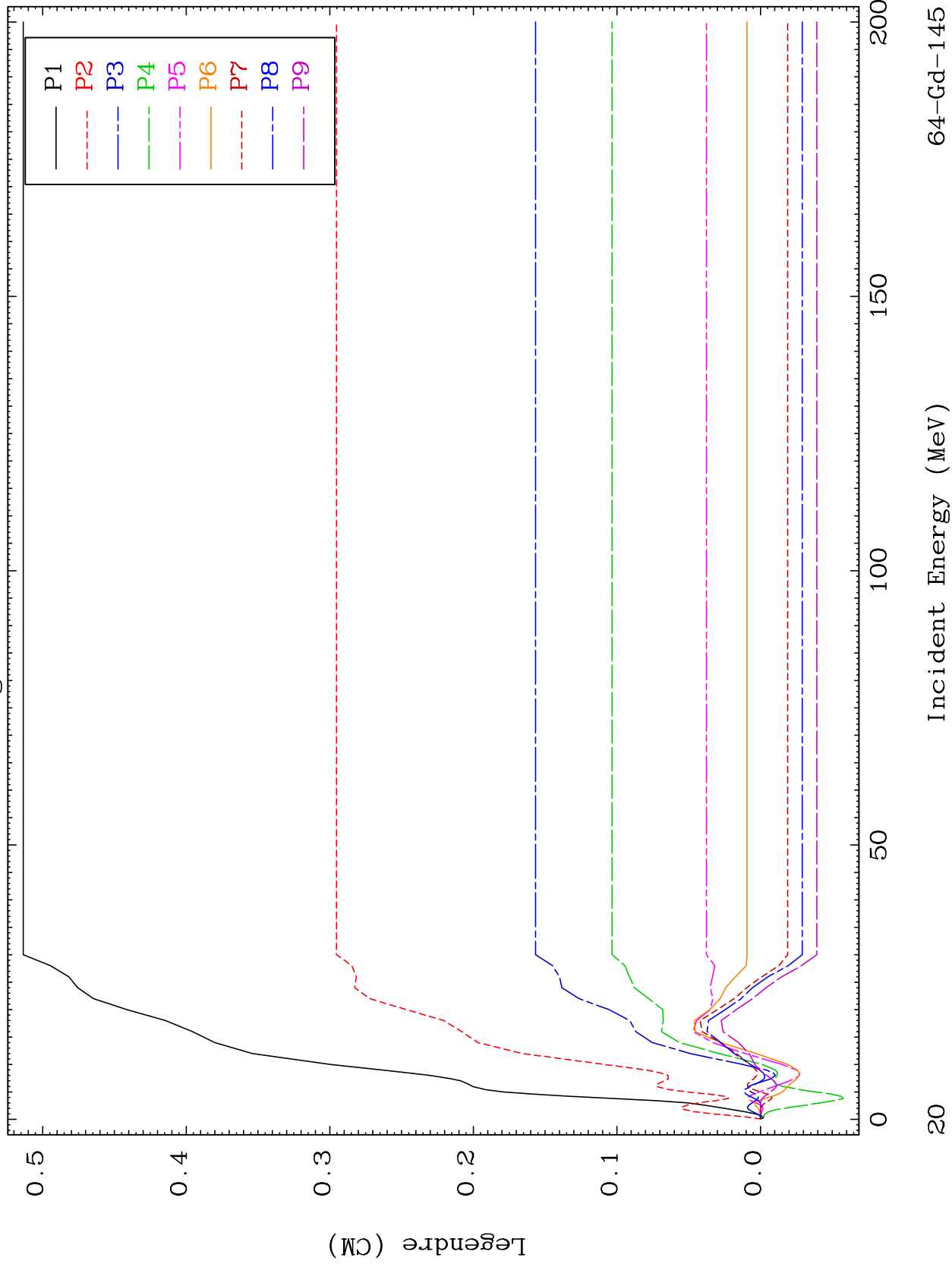
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

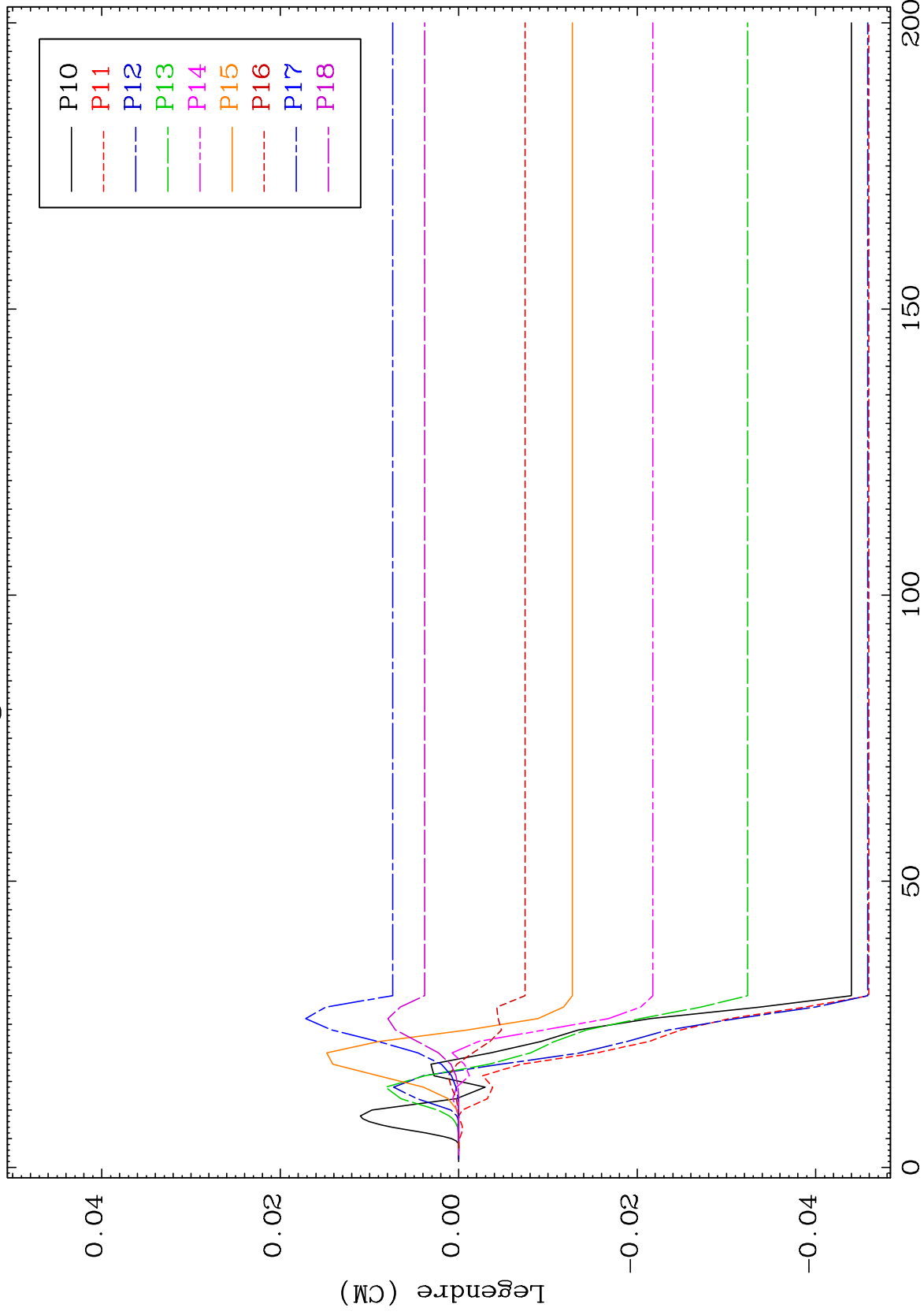
64-Gd-145



MAT 6404

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

64-Gd-145



21

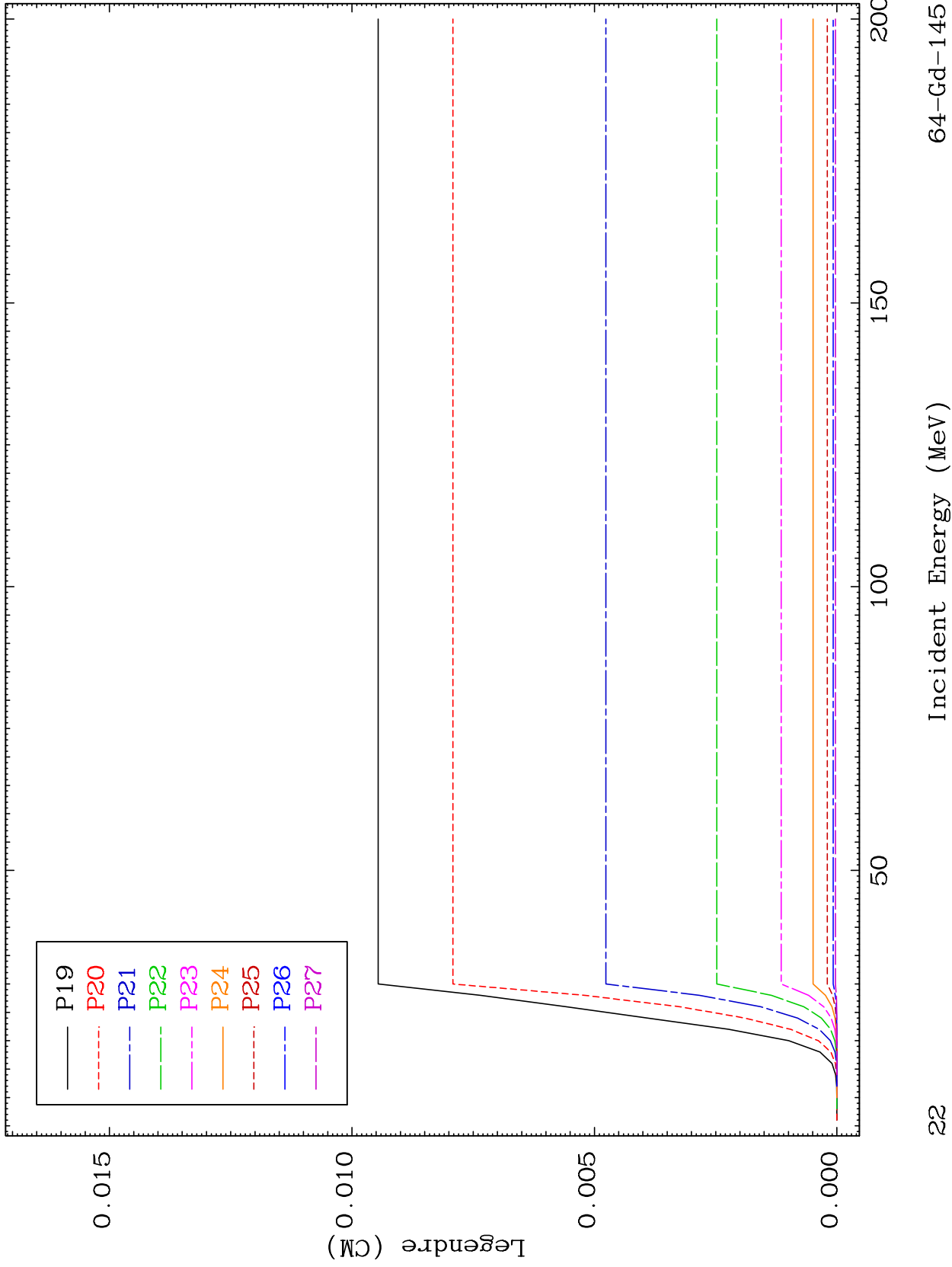
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

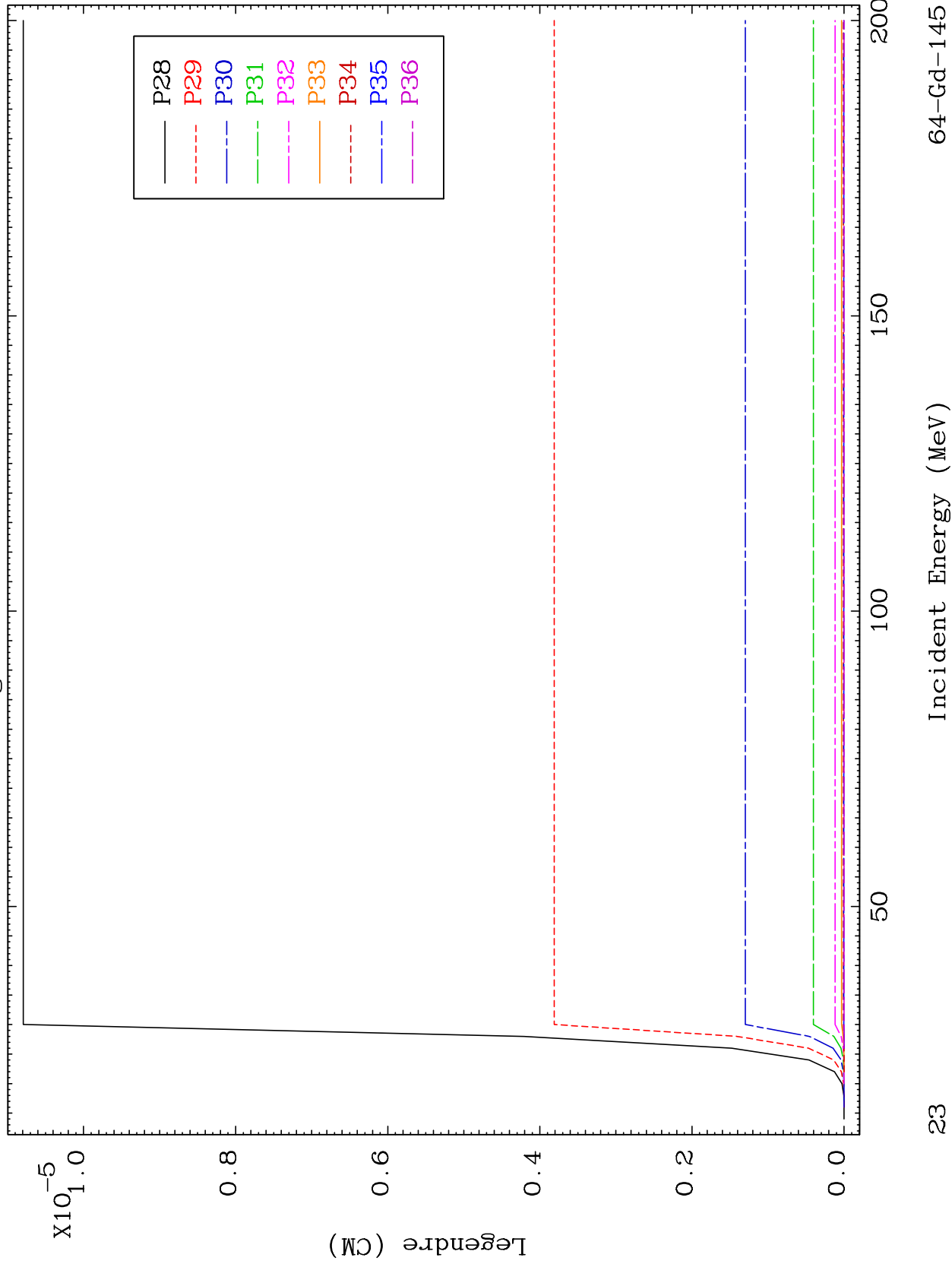
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MAT 6404

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

64-Gd-145



23

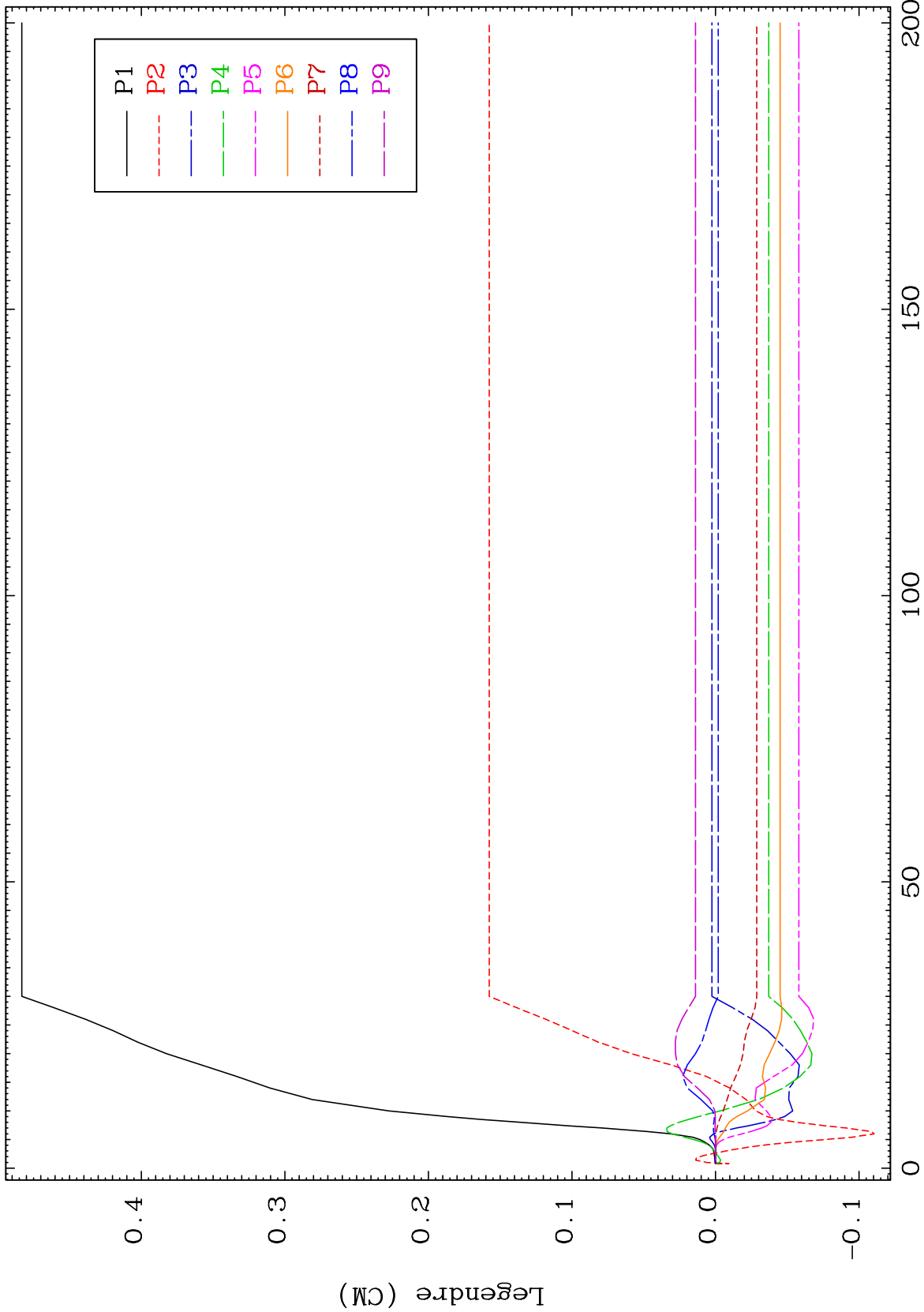
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



24

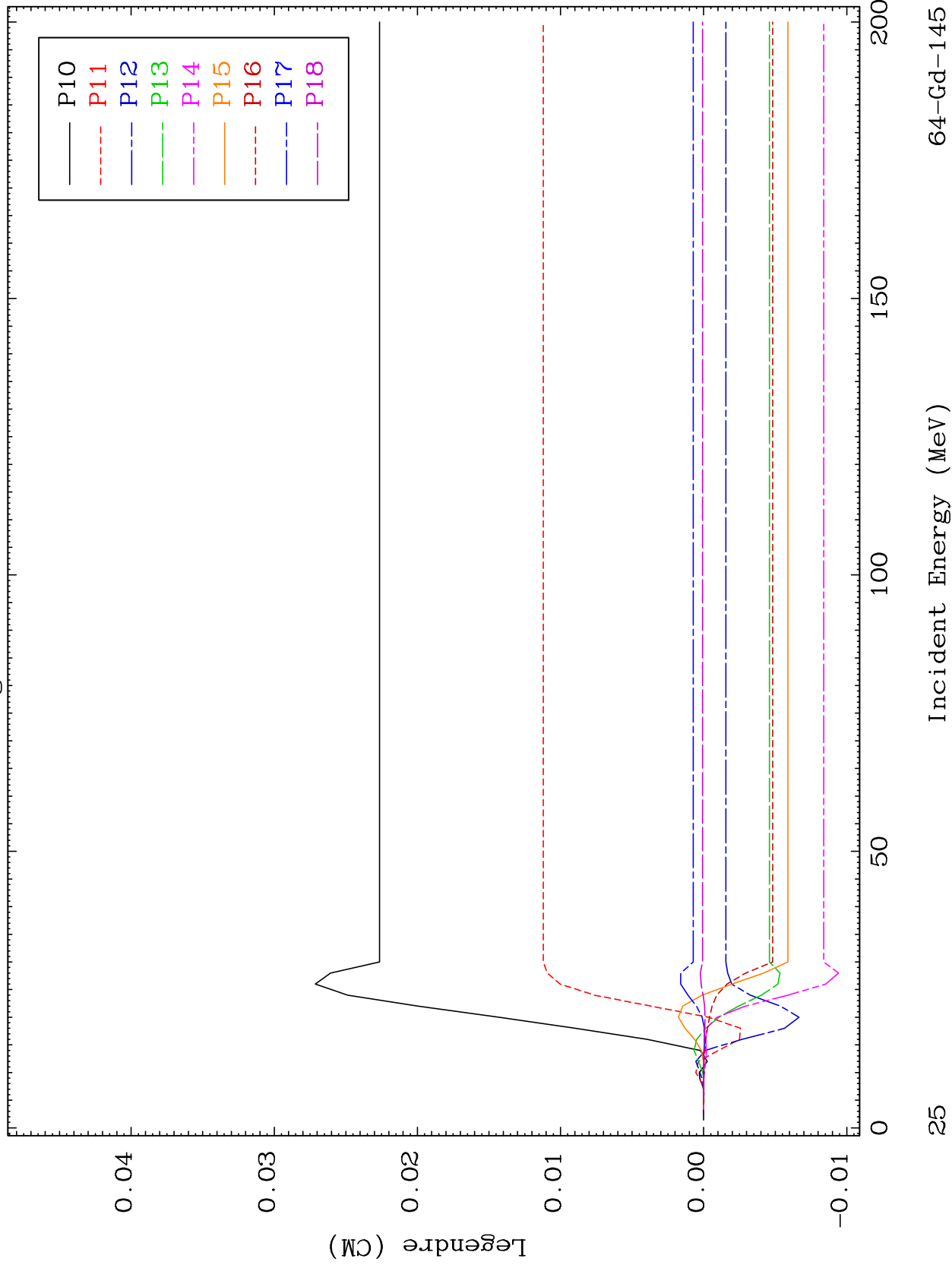
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



64-Gd-145

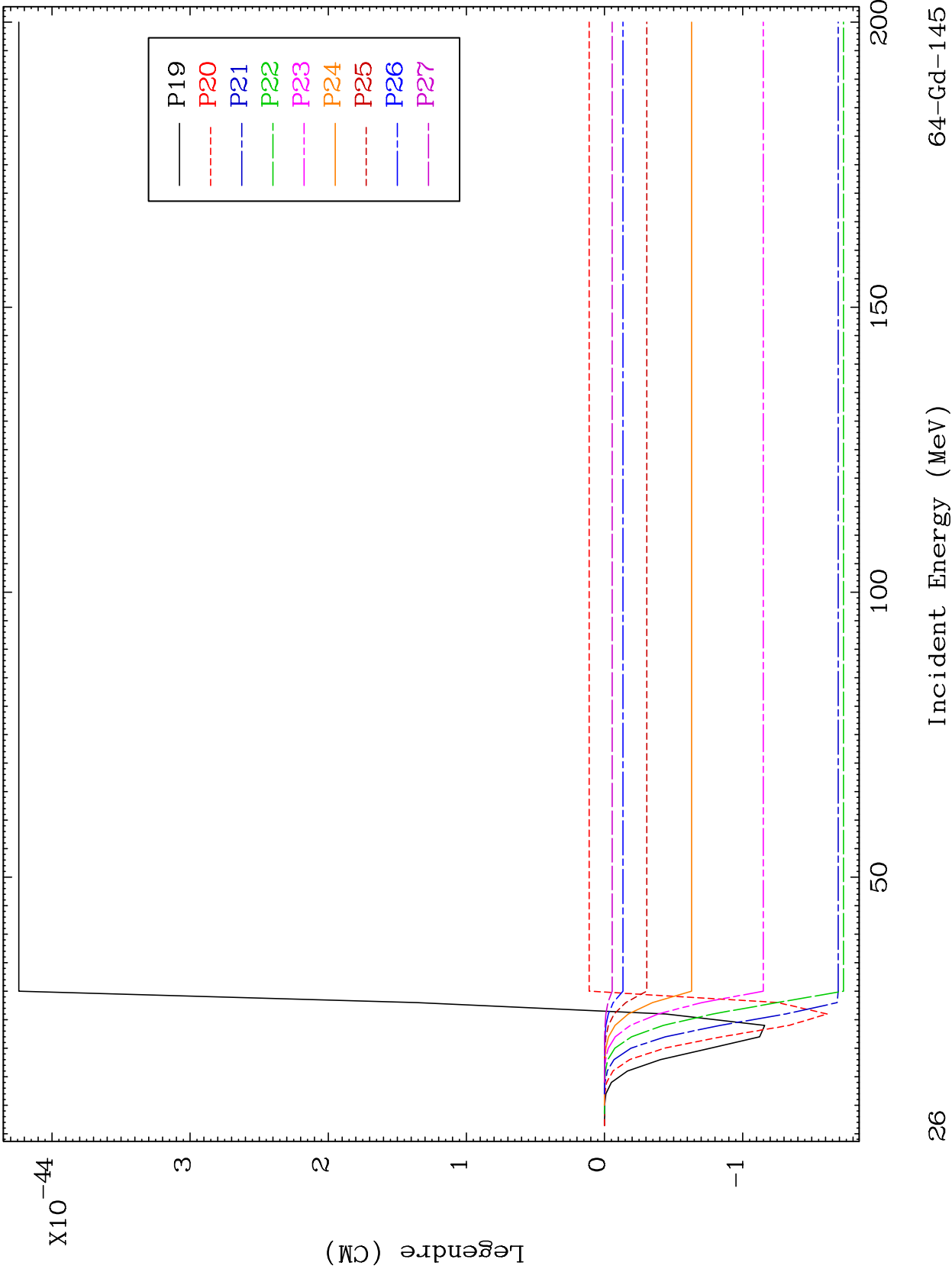
Incident Energy (MeV)

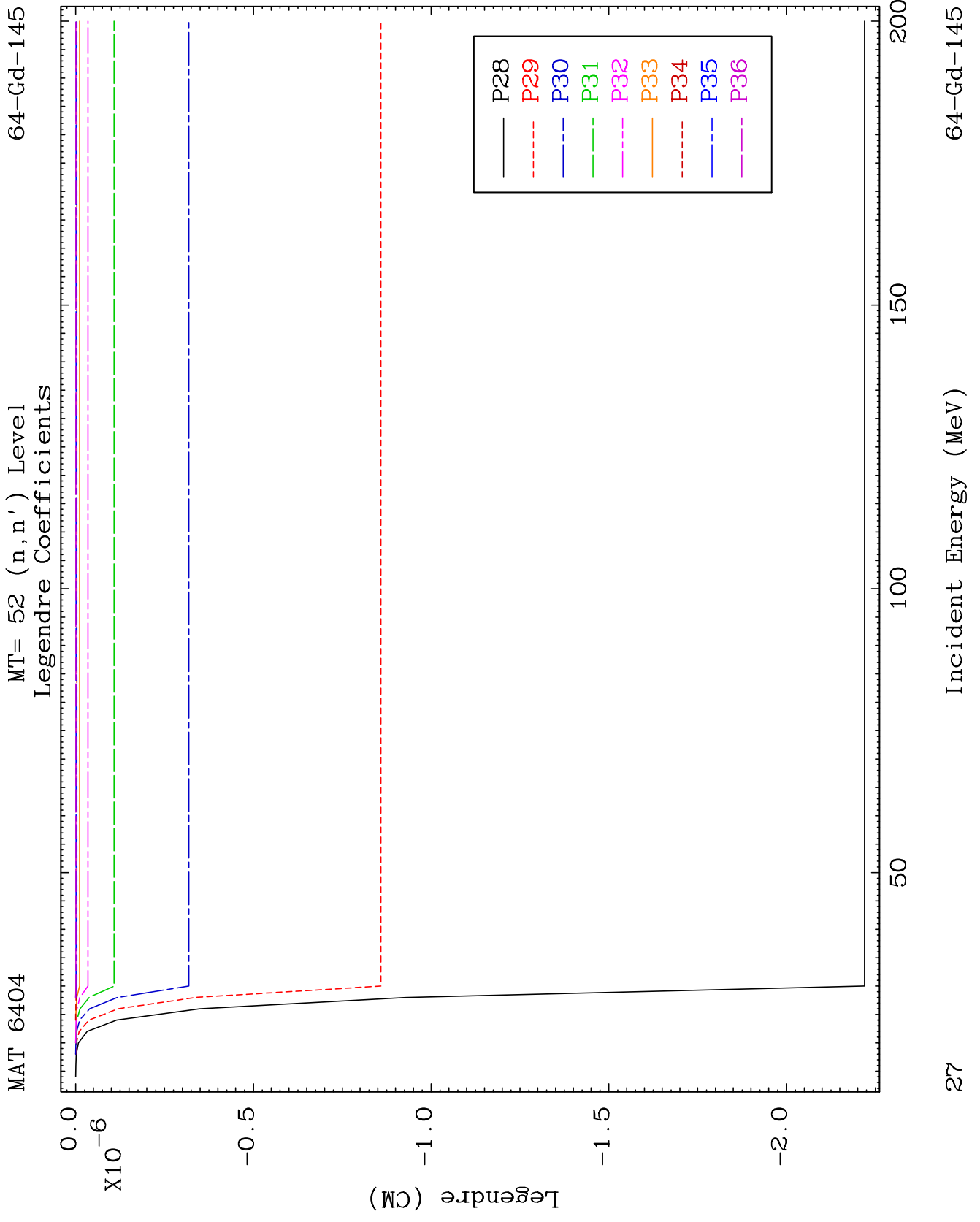
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MAT 6404

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

64-Gd-145

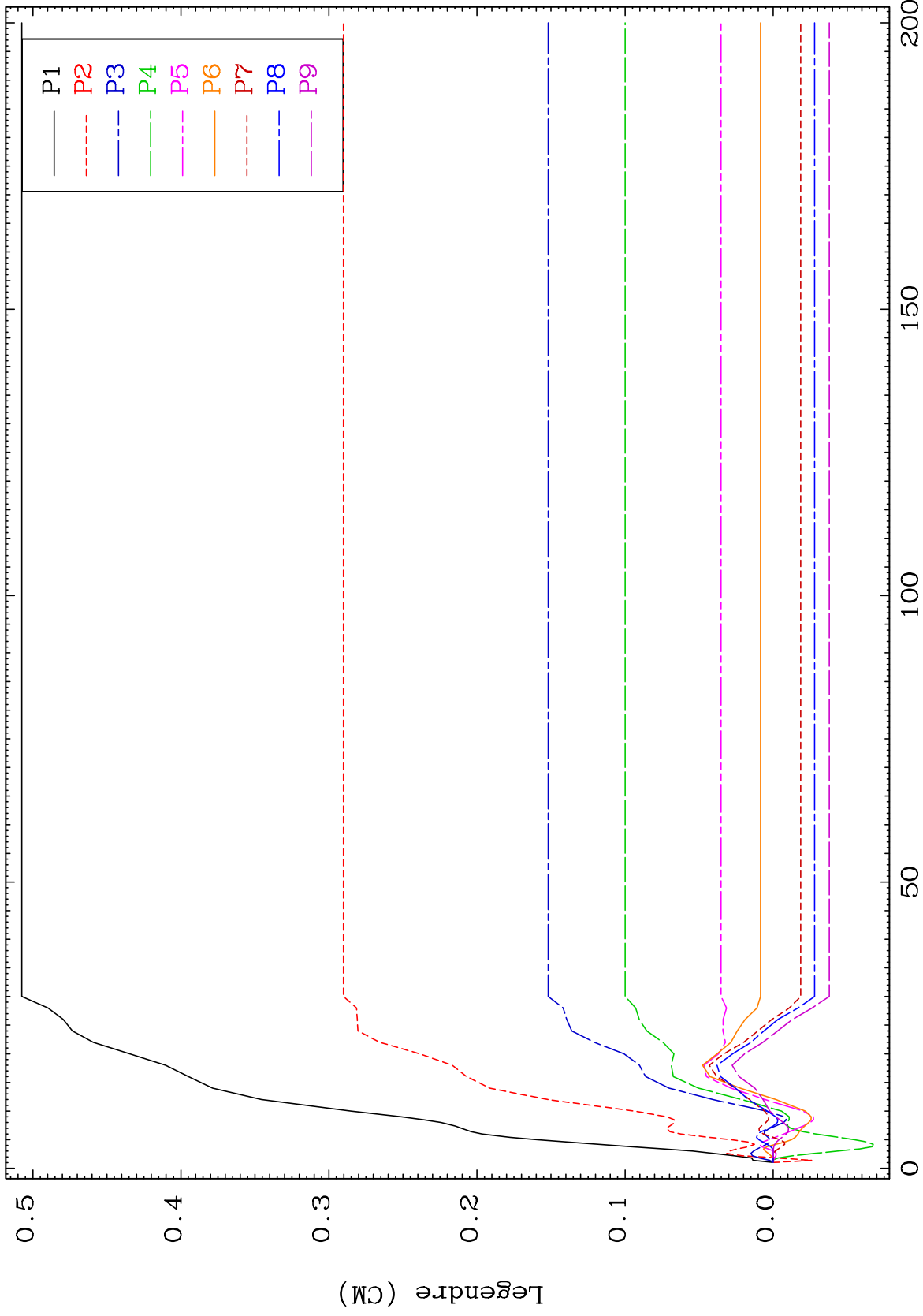




MAT 6404

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

64-Gd-145



64-Gd-145

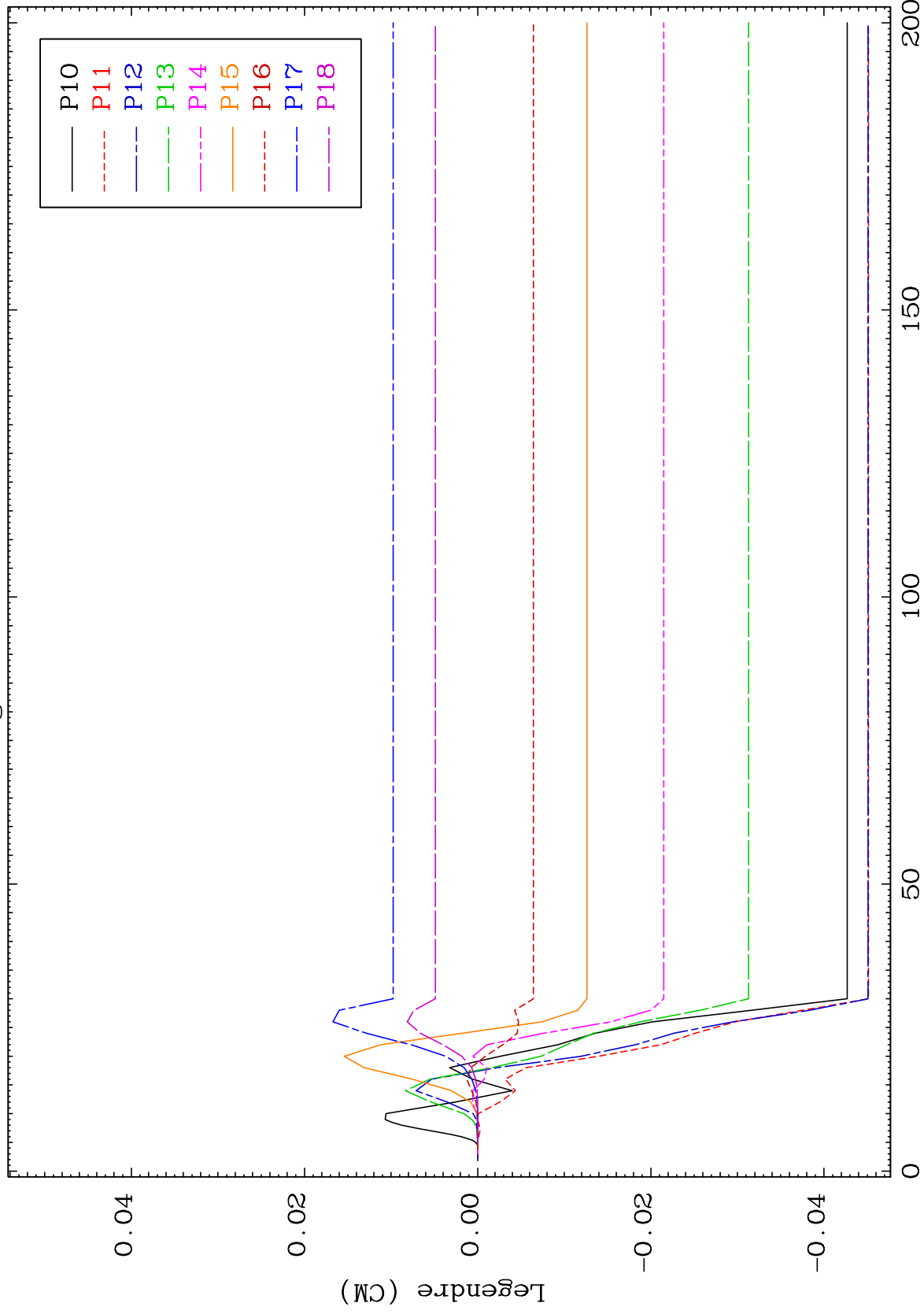
Incident Energy (MeV)

28

MAT 6404

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

64-Gd-145



29

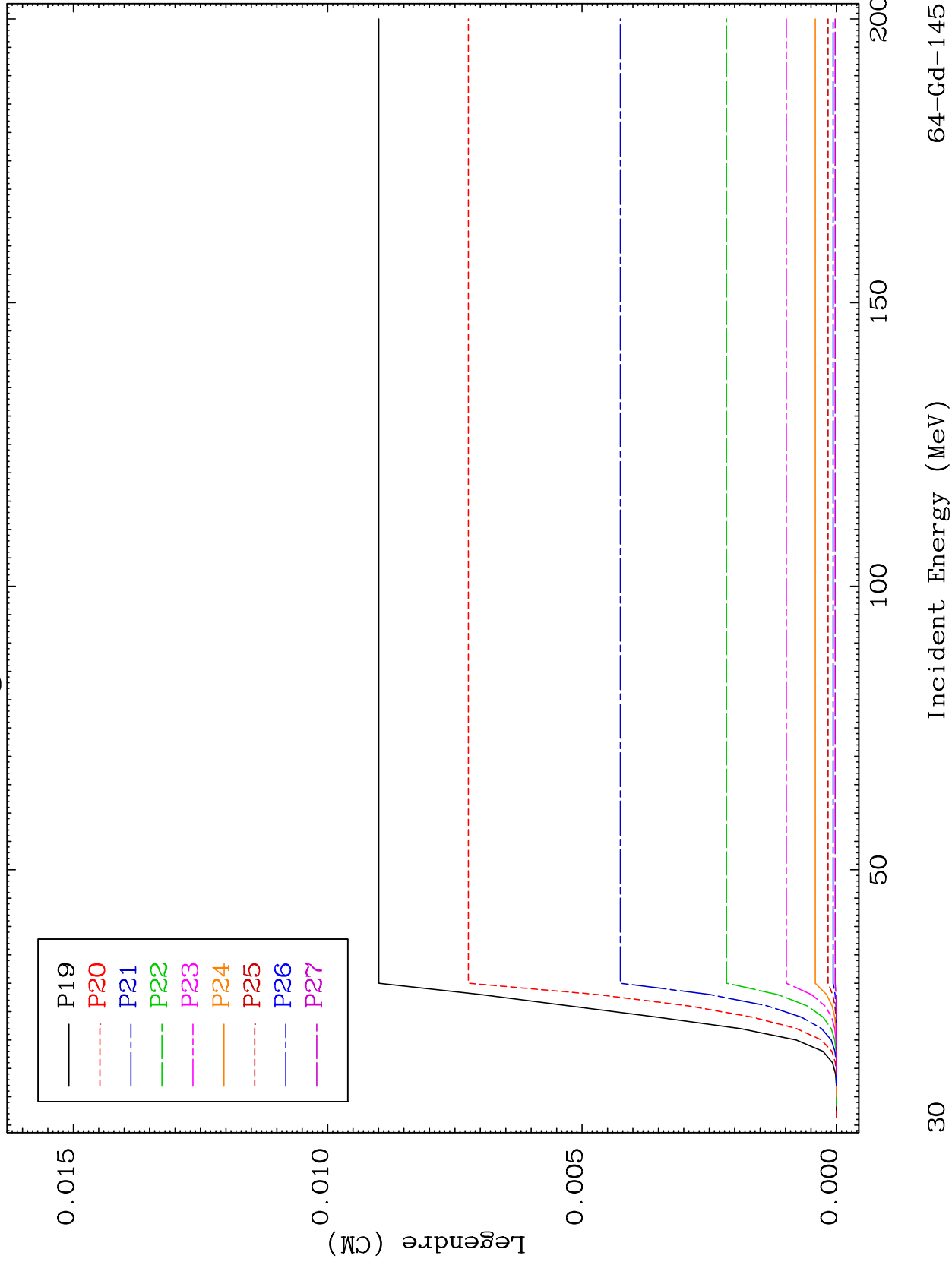
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



64-Gd-145

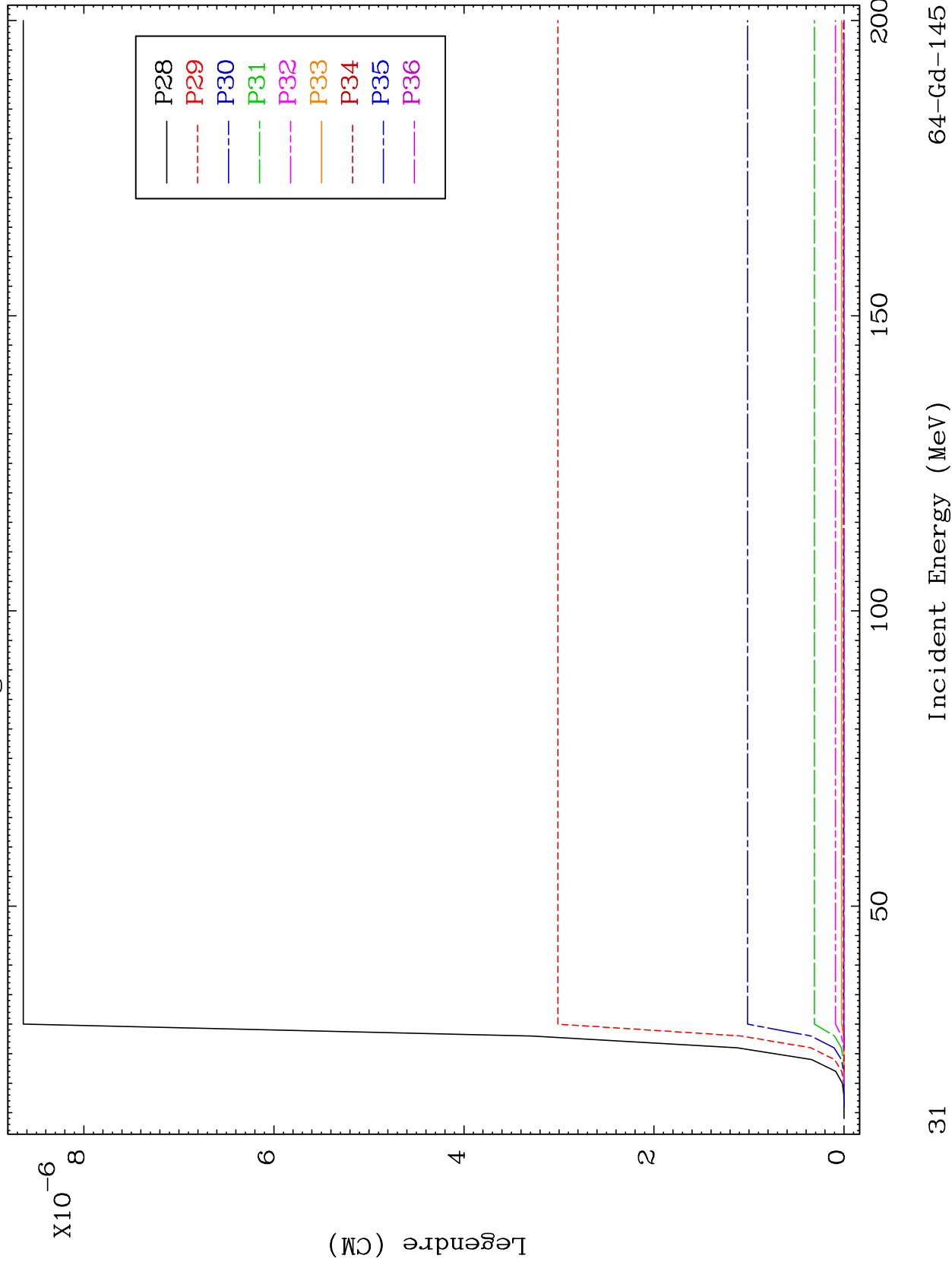
Incident Energy (MeV)

30

MAT 6404

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

64-Gd-145



31

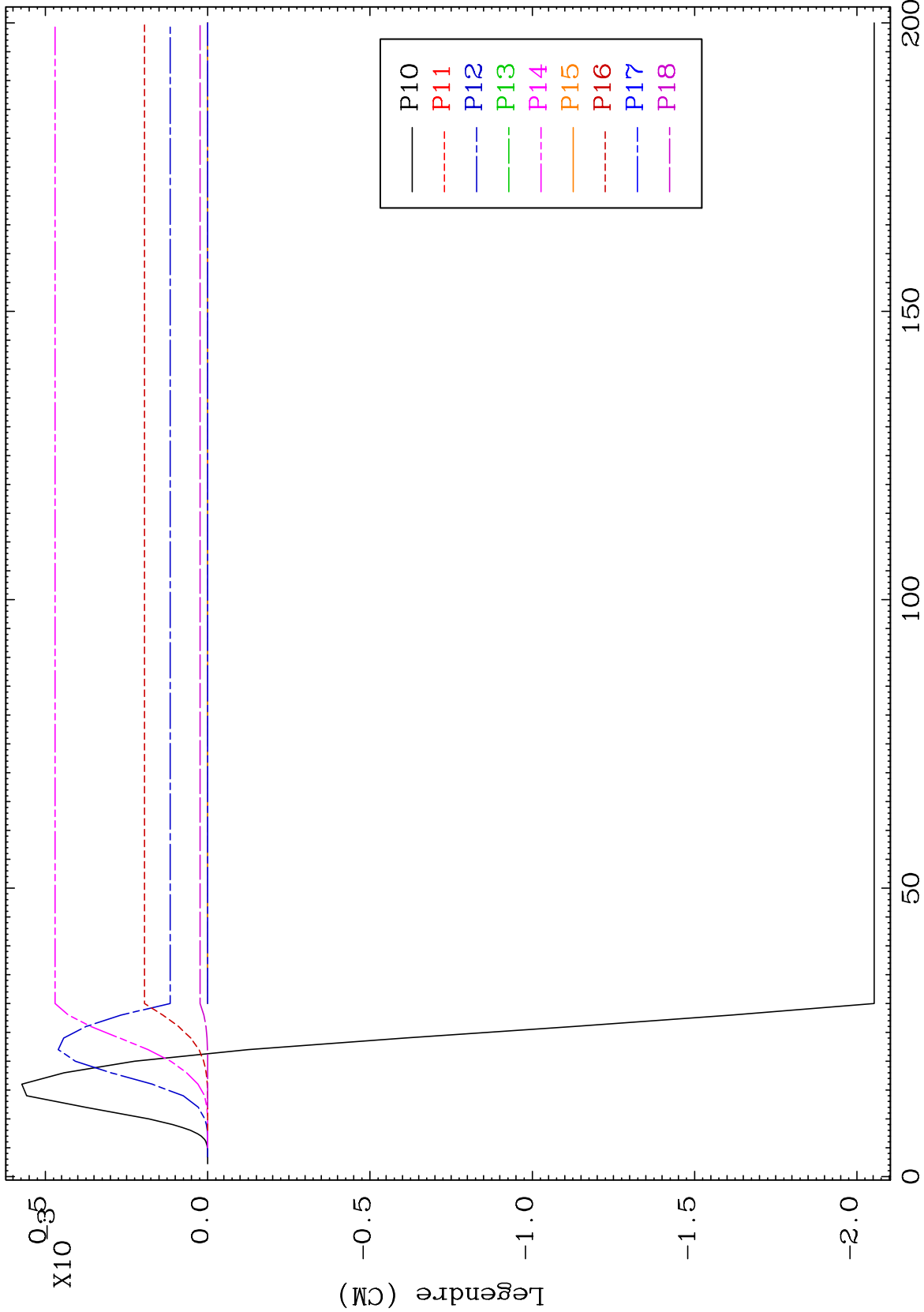
Incident Energy (MeV)

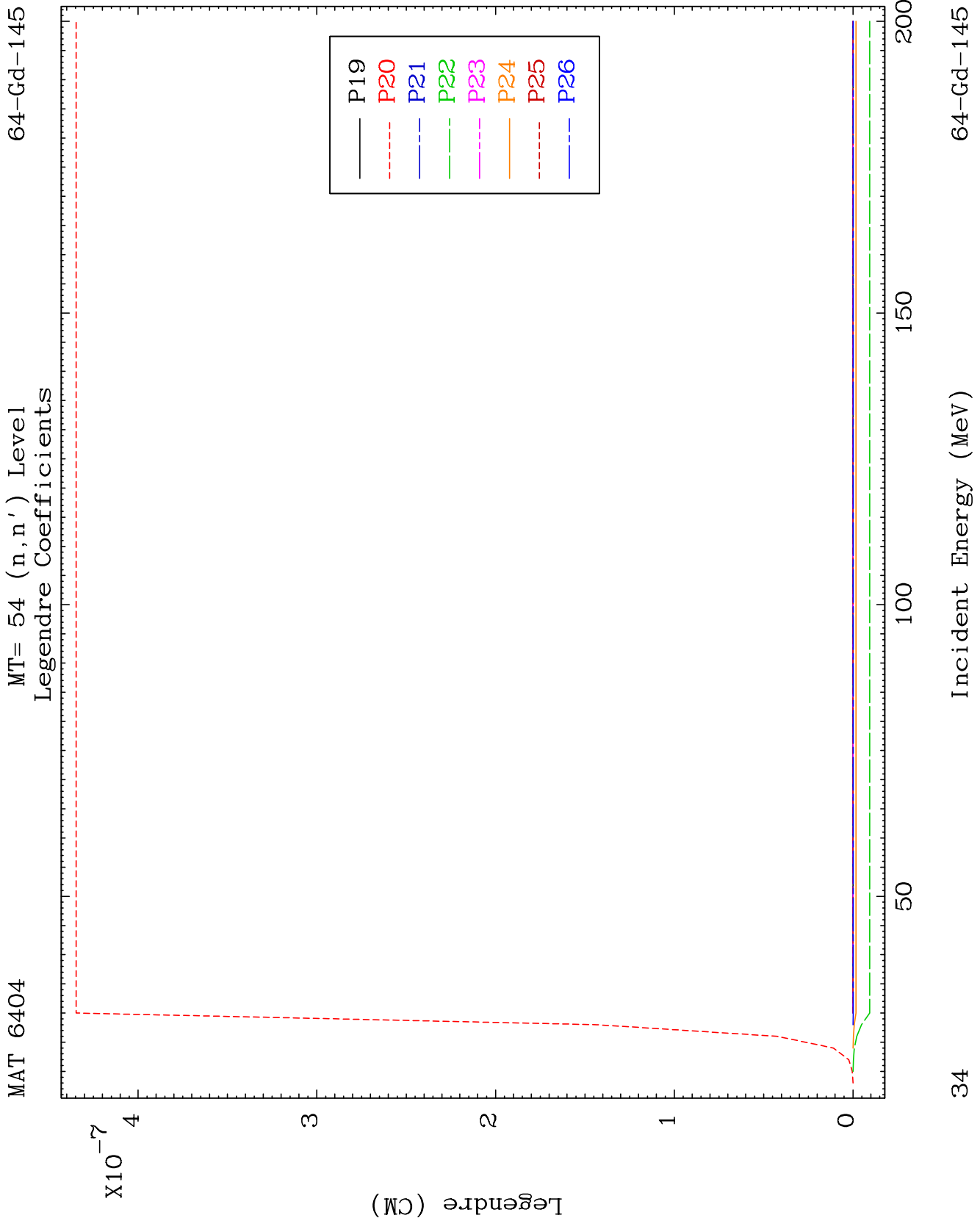
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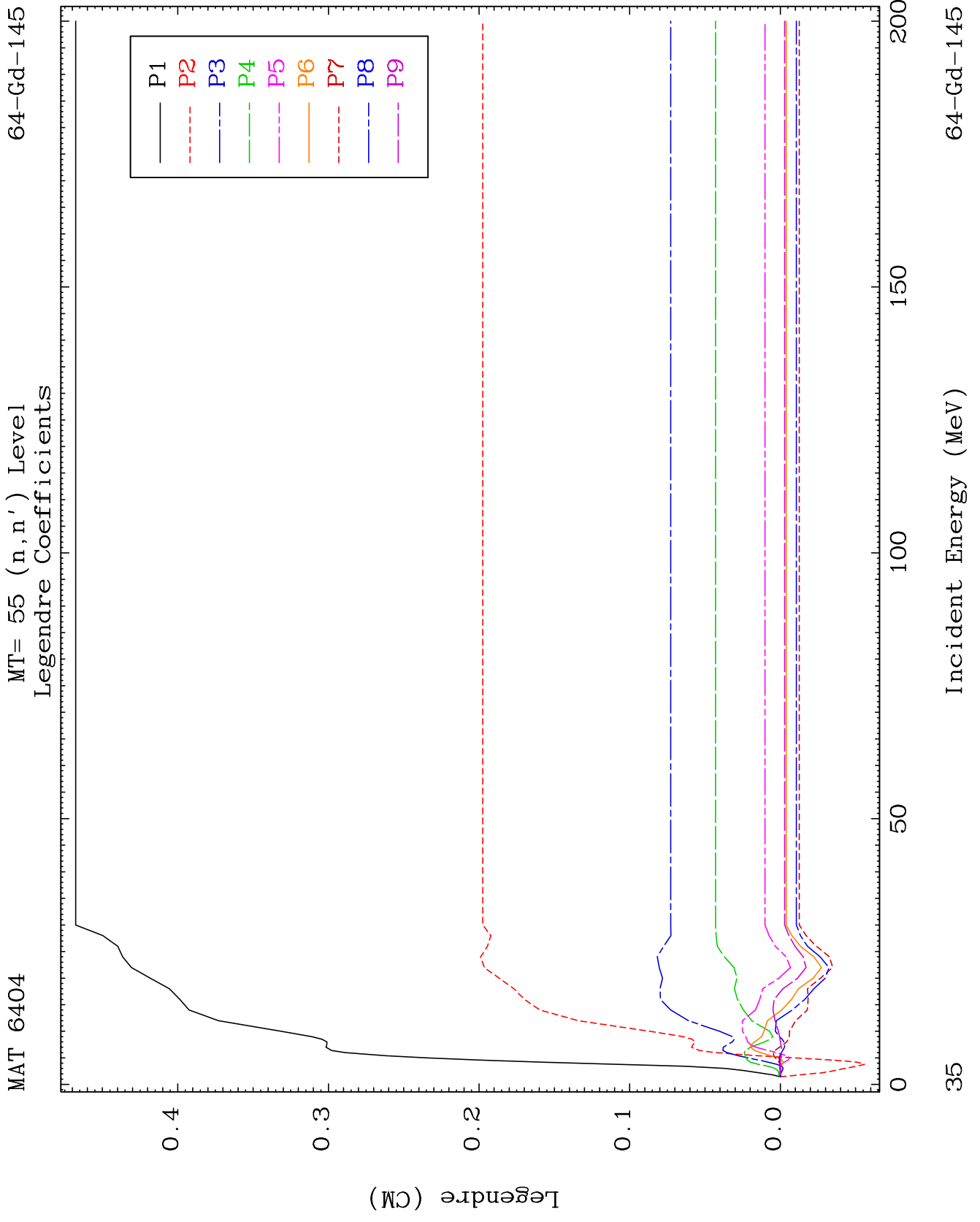
MAT 6404

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

64-Gd-145



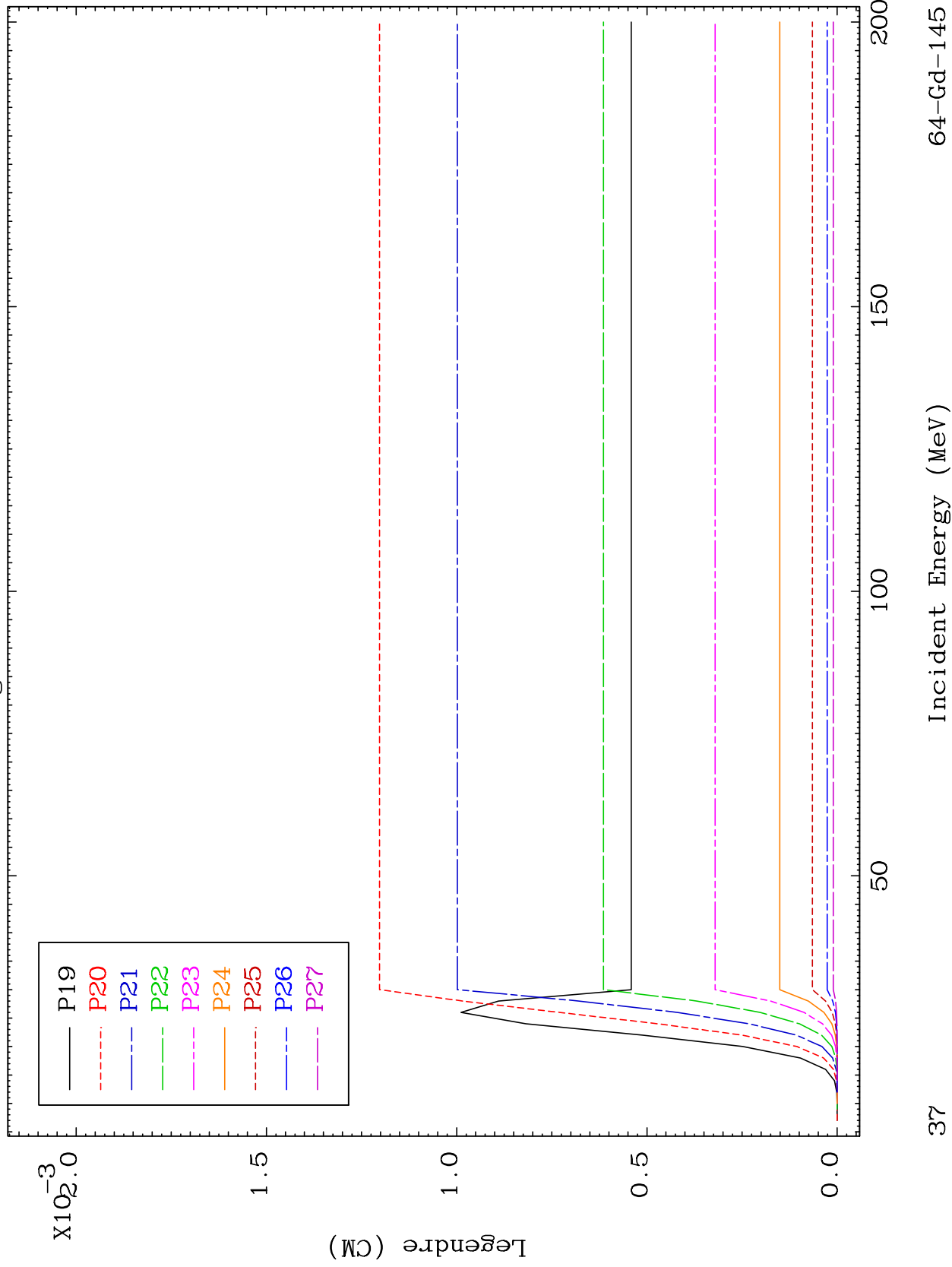




MAT 6404

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

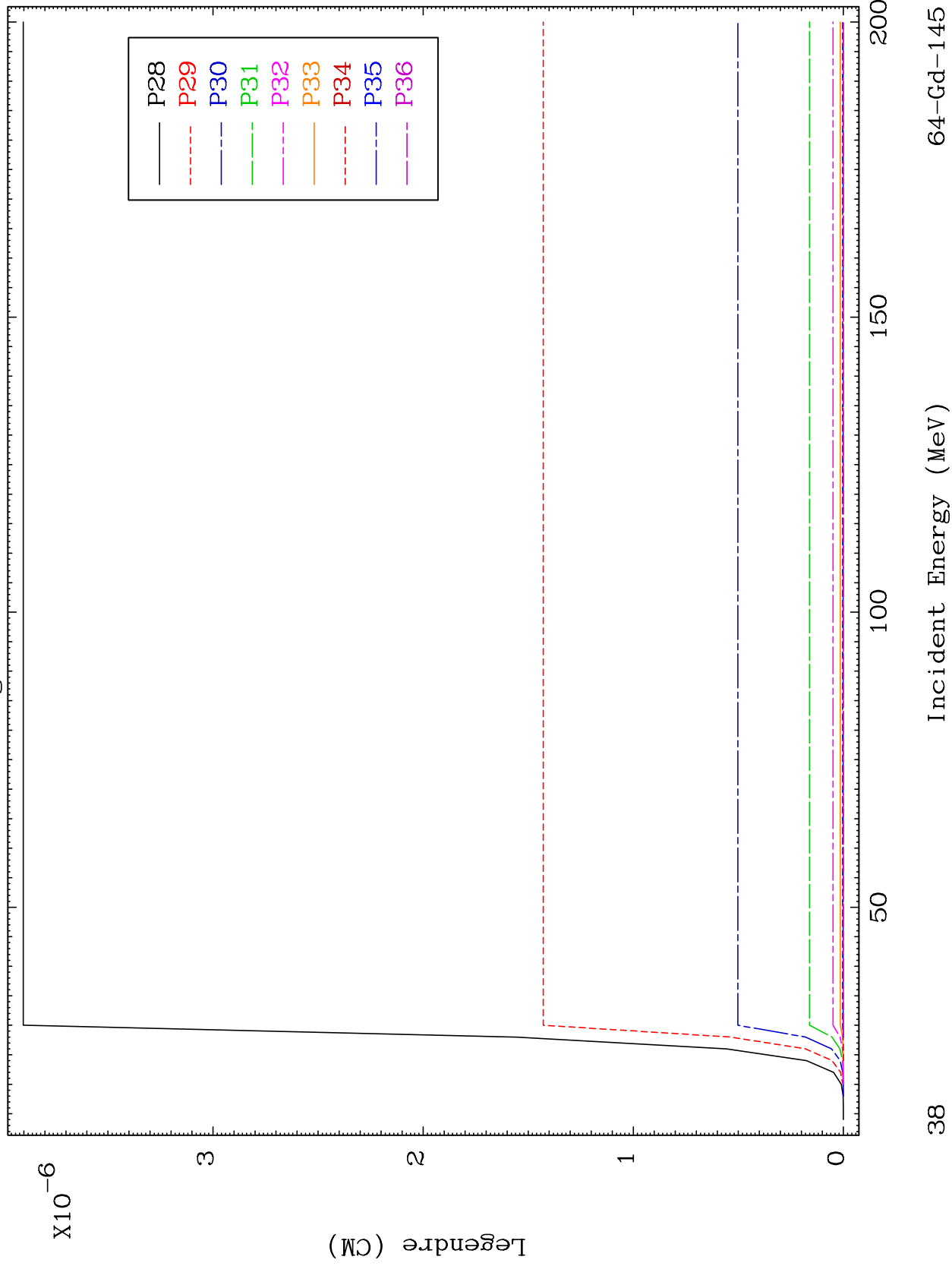
64-Gd-145



MAT 6404

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

64-Gd-145



38

Incident Energy (MeV)

64-Gd-145

200

150

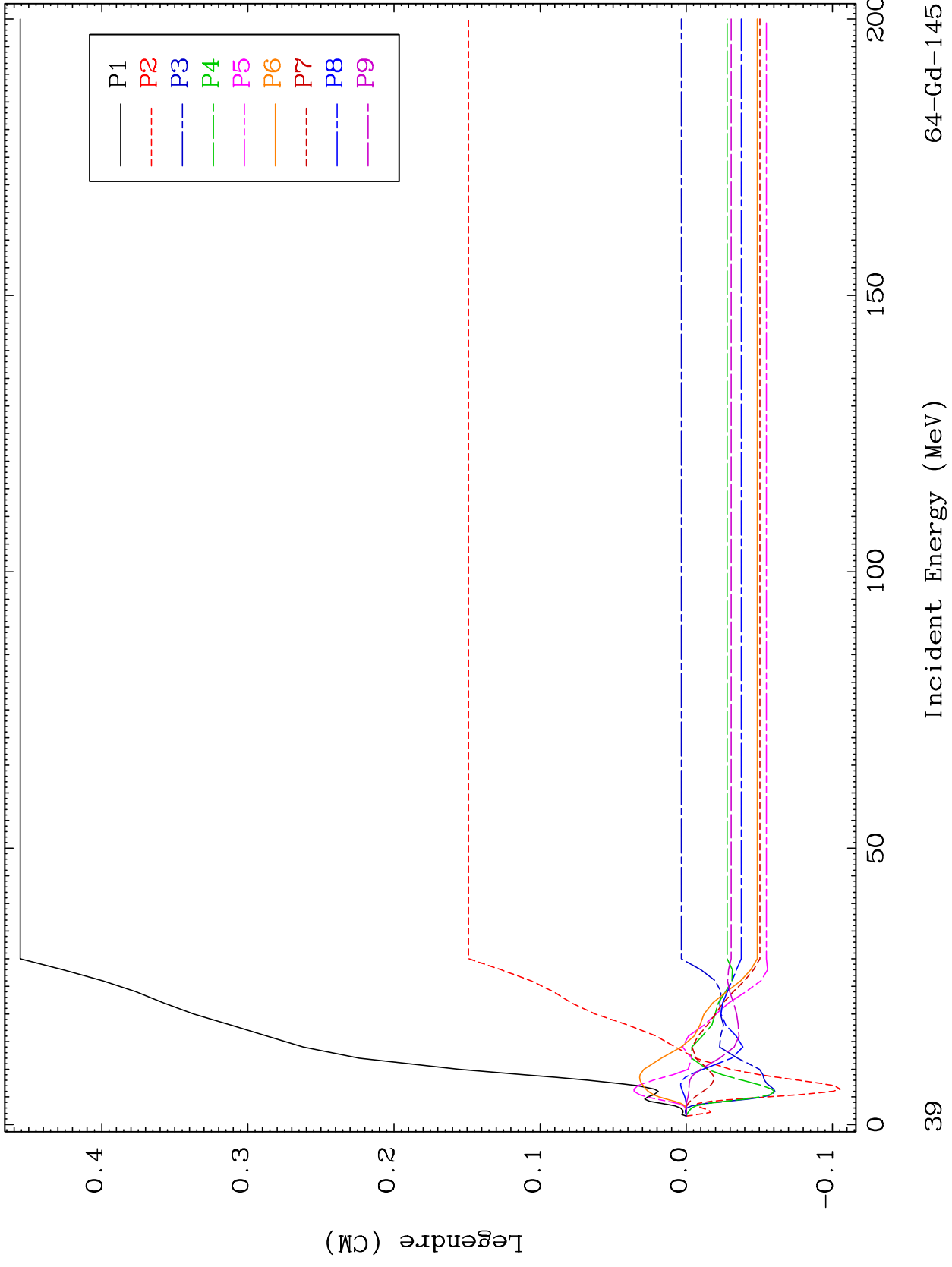
100

50

MAT 6404

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

64-Gd-145



64-Gd-145

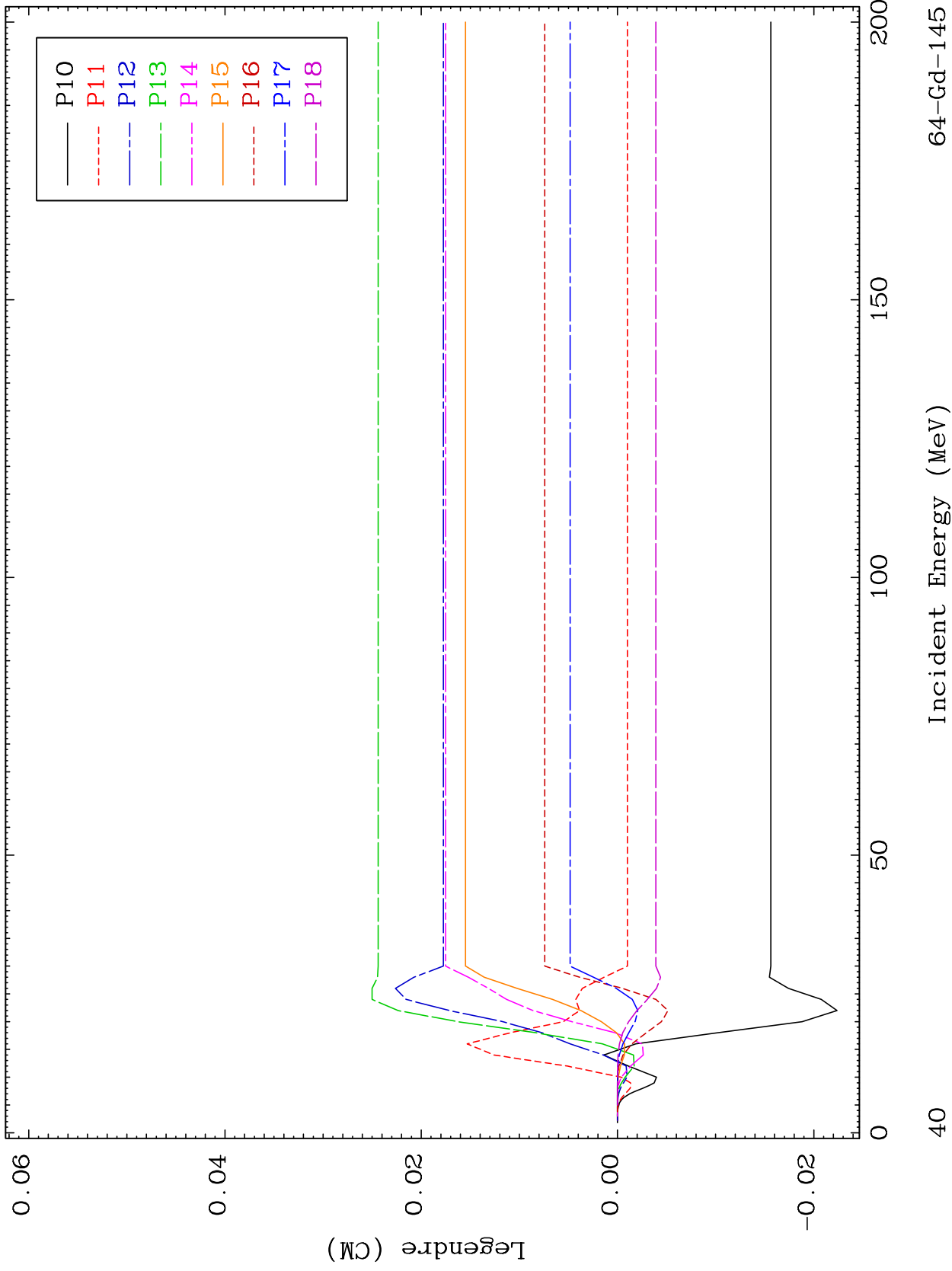
Incident Energy (MeV)

39

MAT 6404

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

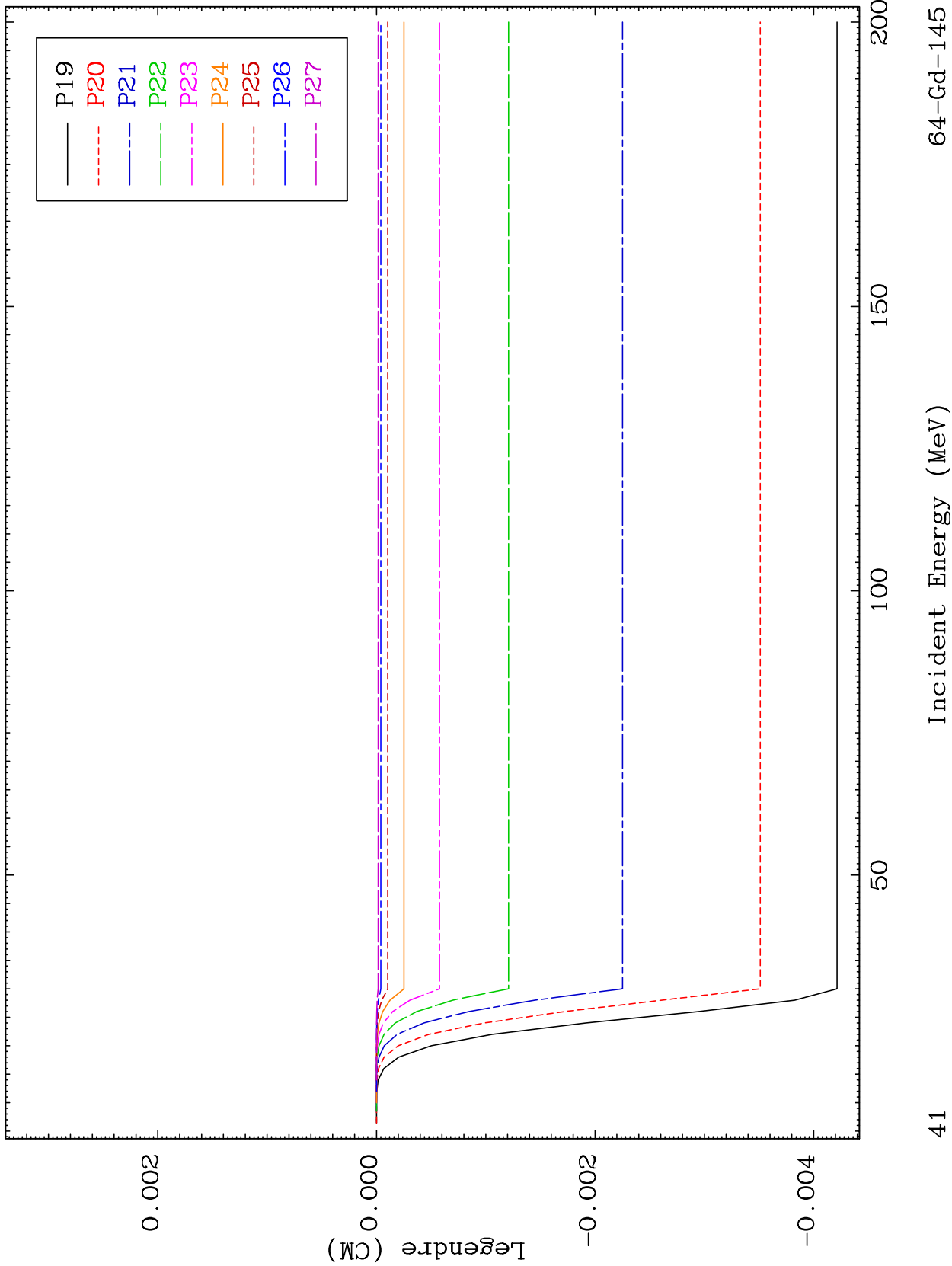
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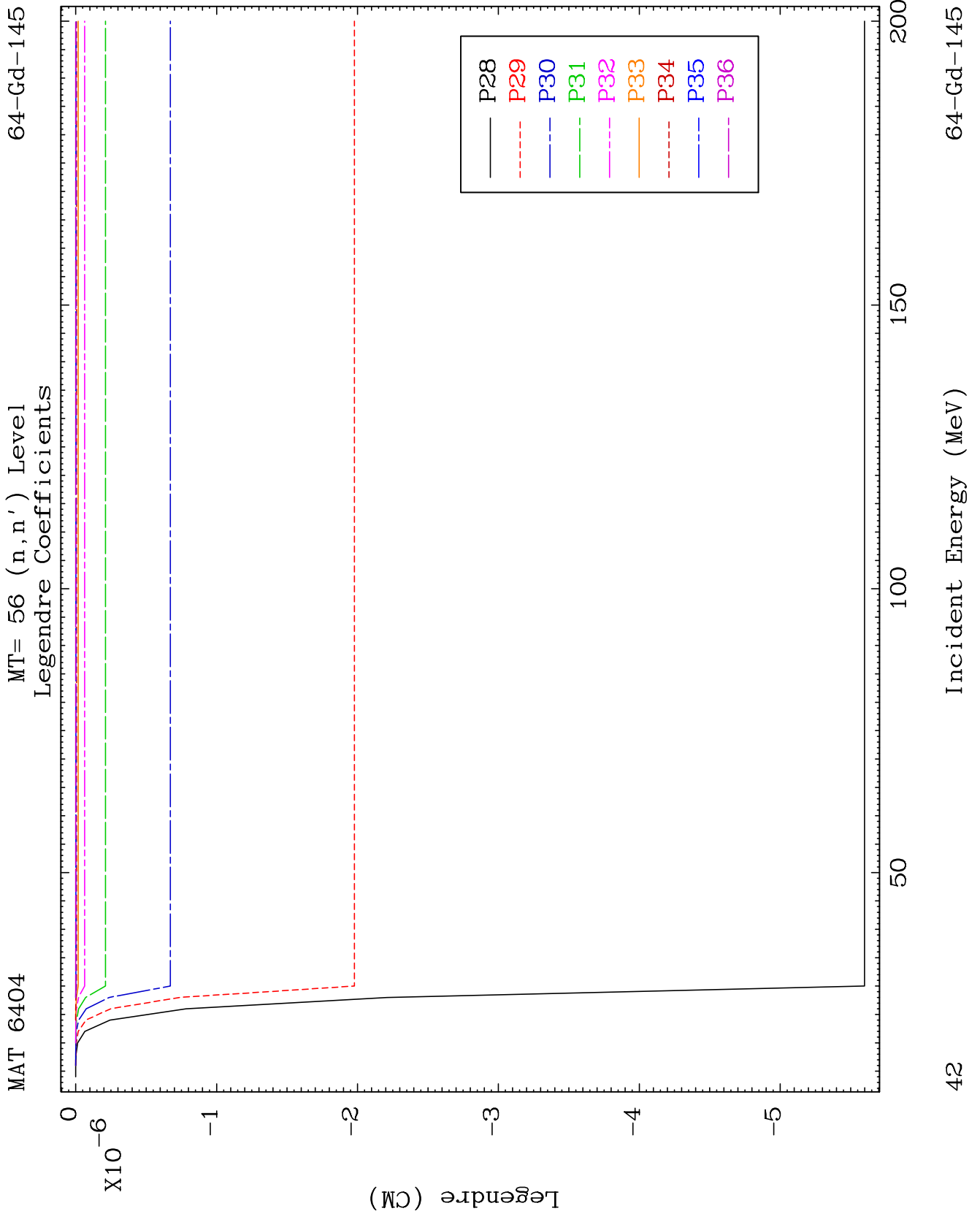


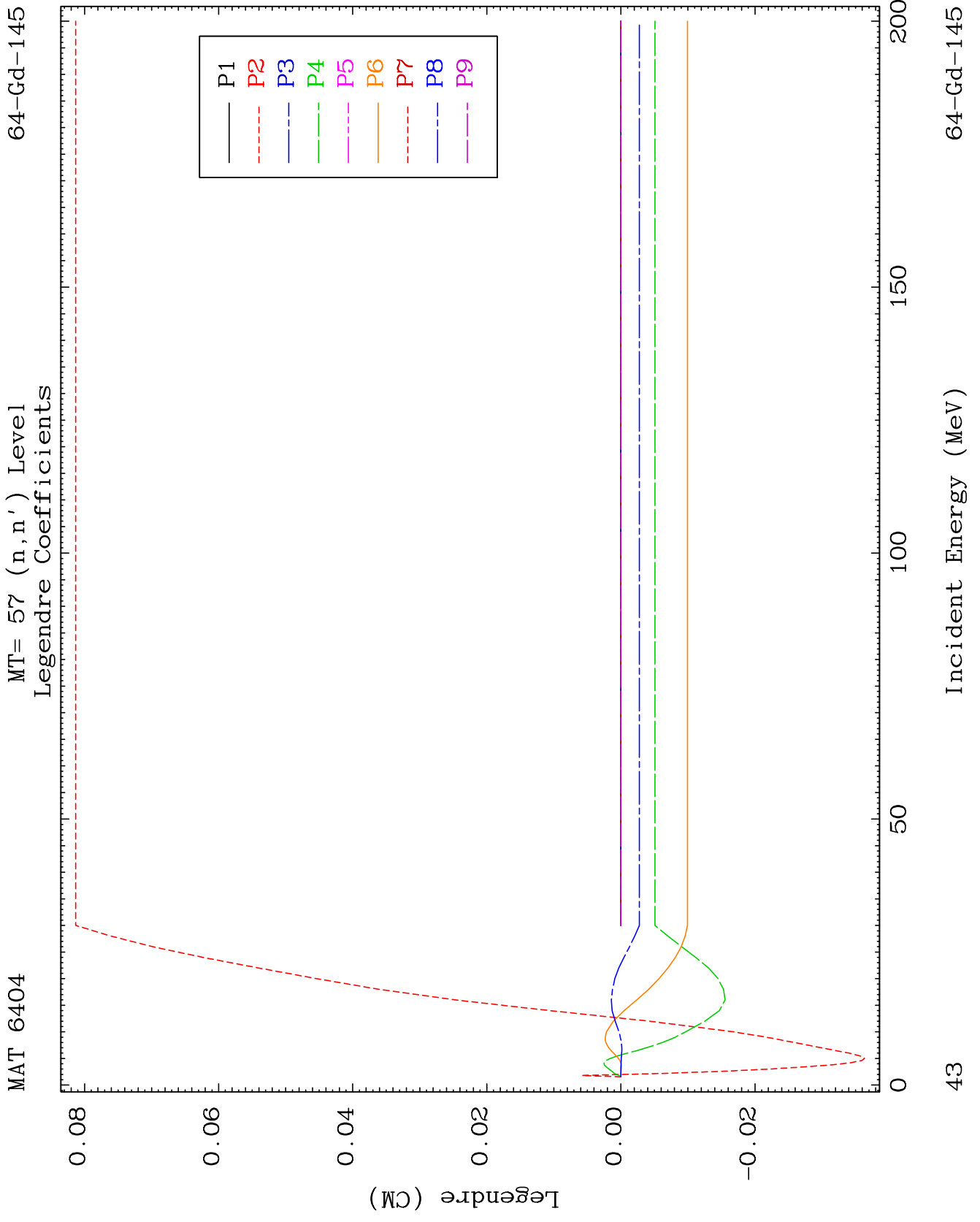
MAT 6404

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

64-Gd-145



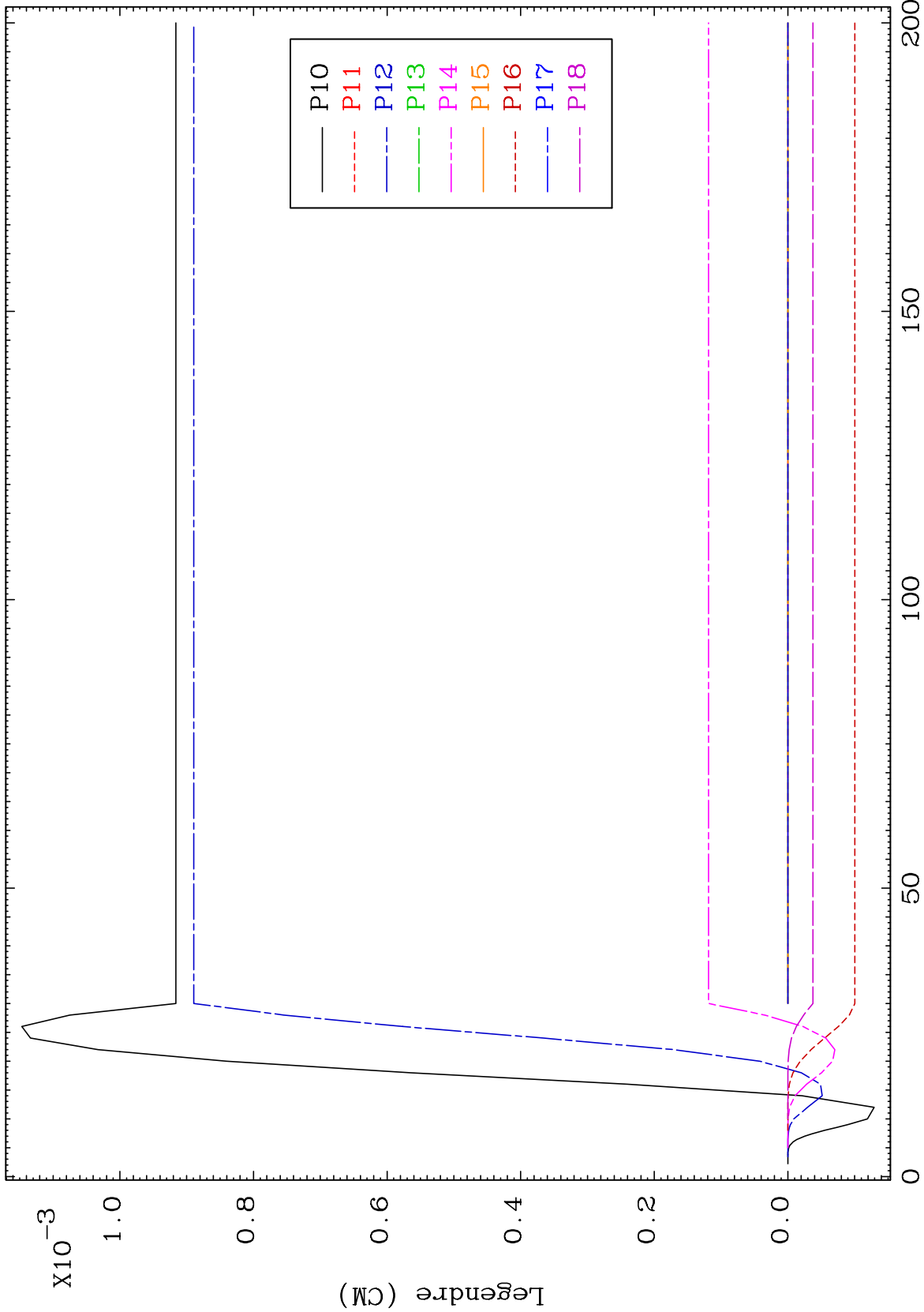




MAT 6404

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

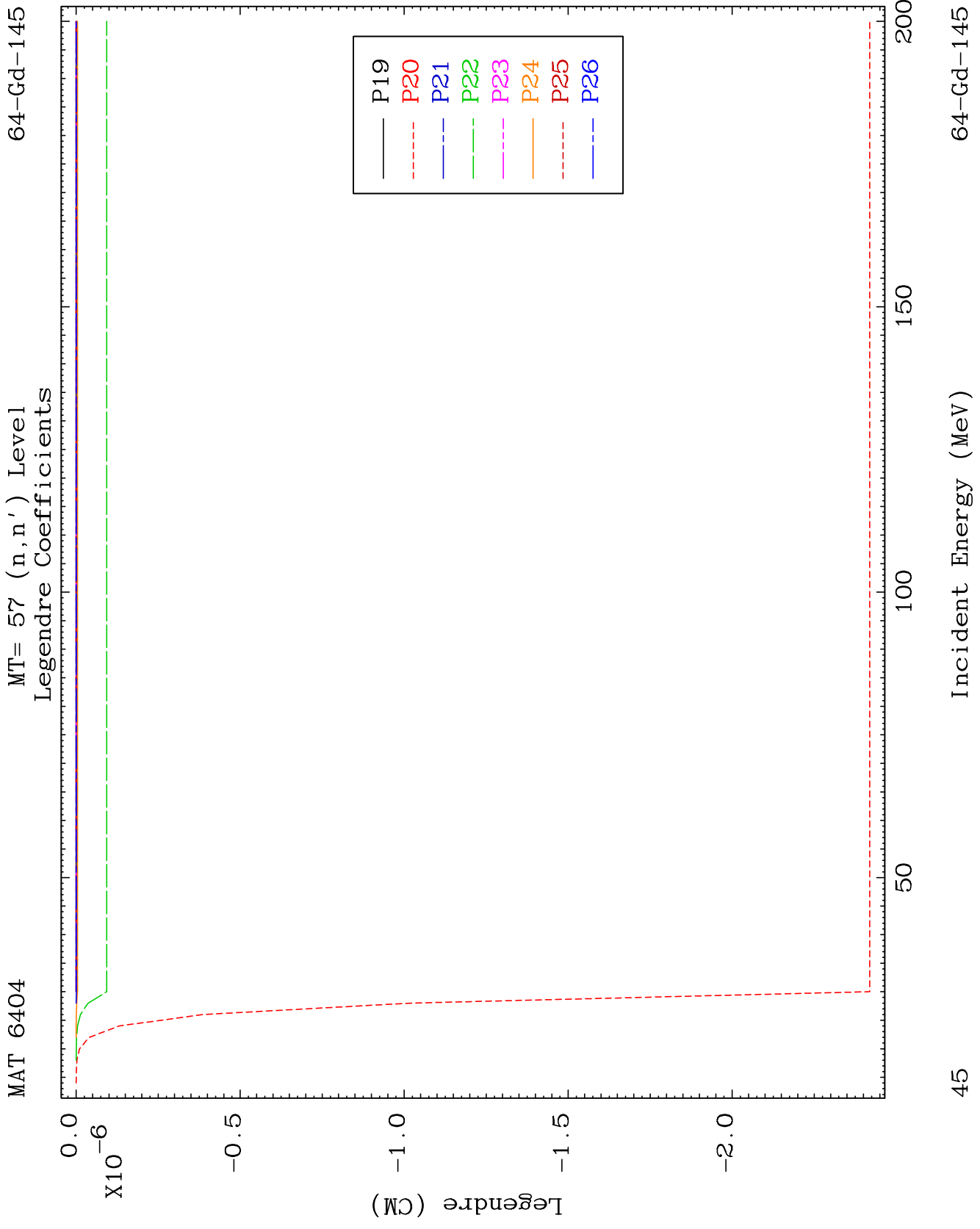
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44

Incident Energy (MeV)

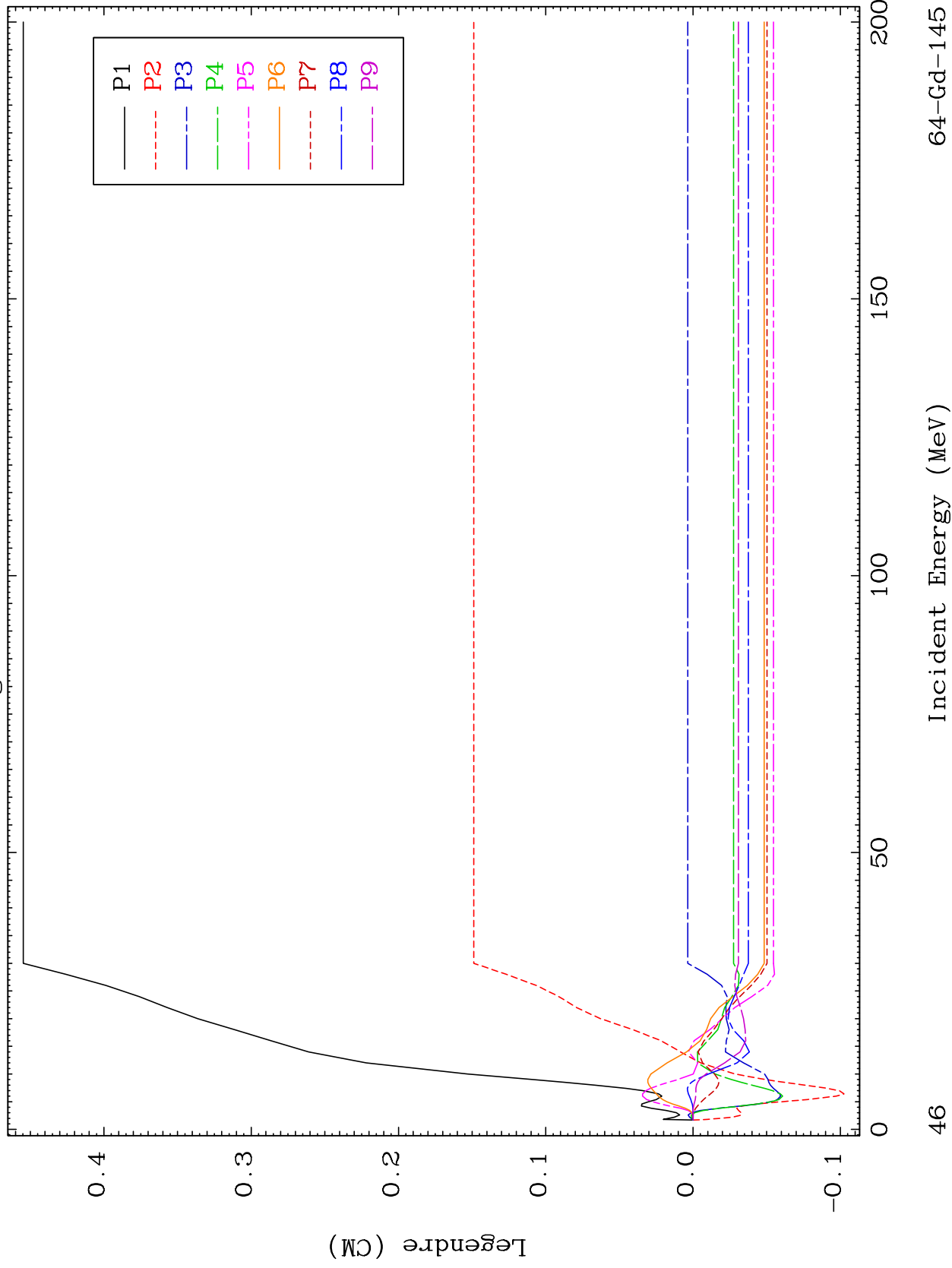
64-Gd-145



MAT 6404

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

64-Gd-145



64-Gd-145

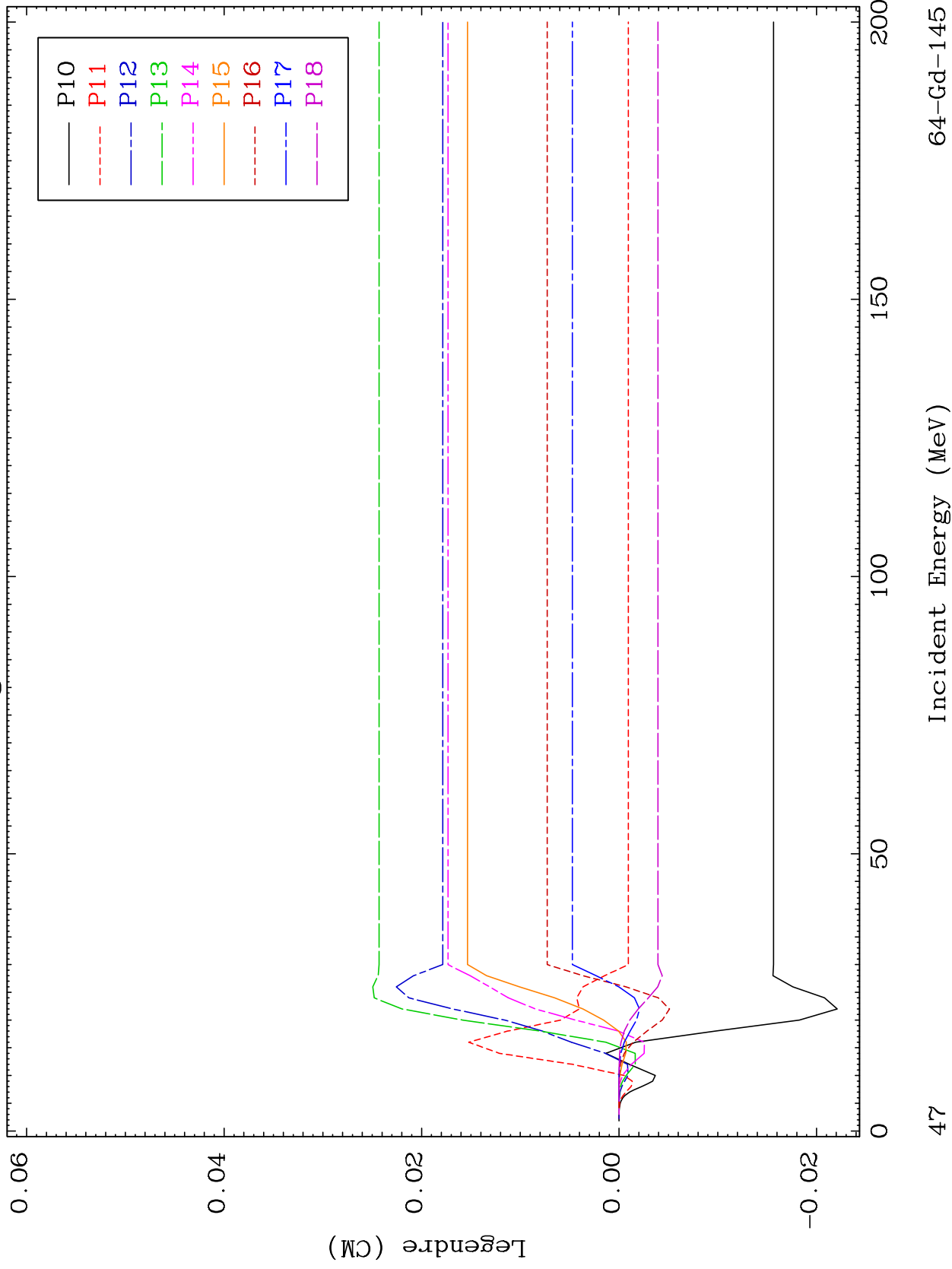
Incident Energy (MeV)

46

MAT 6404

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

64-Gd-145



47

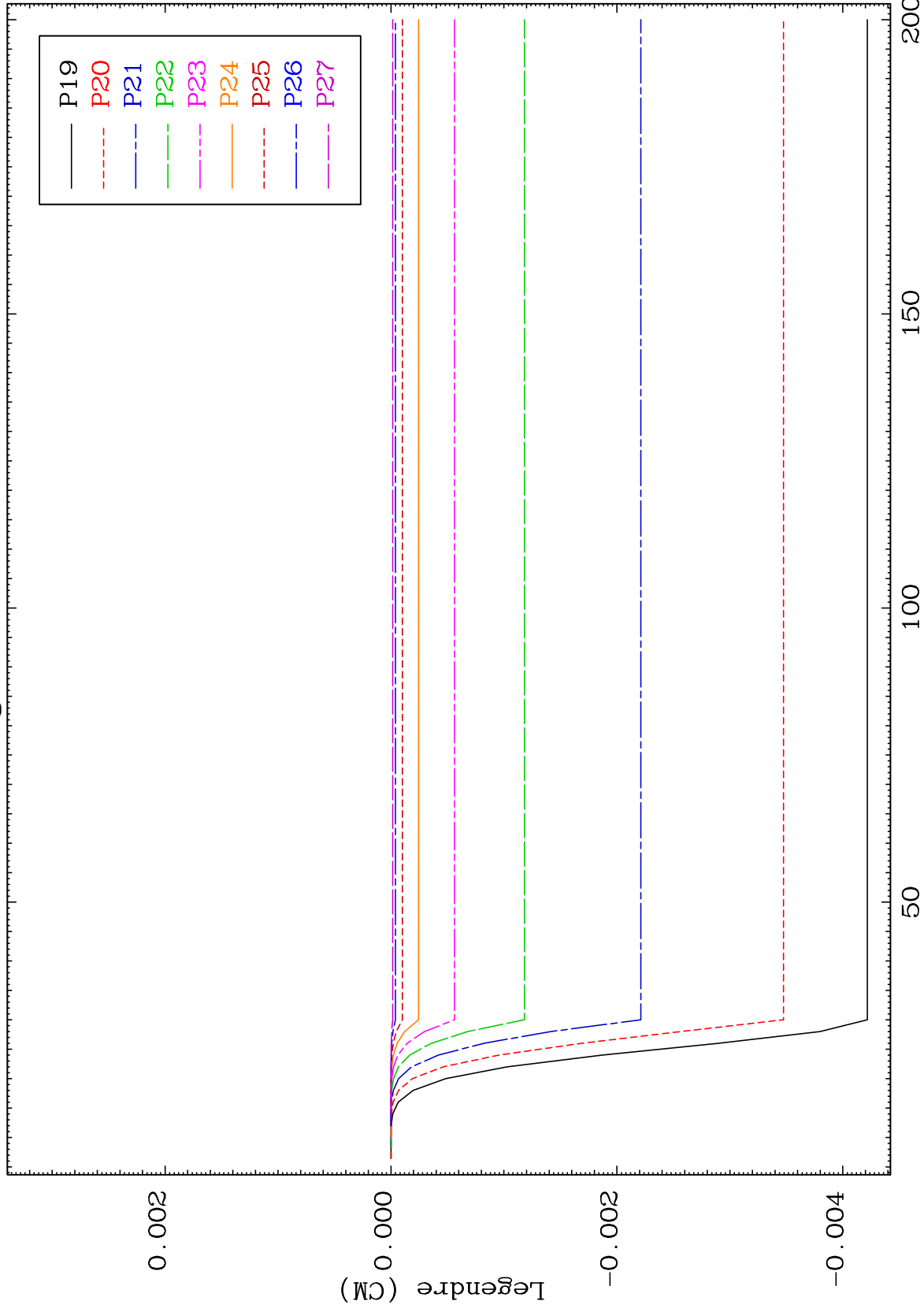
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

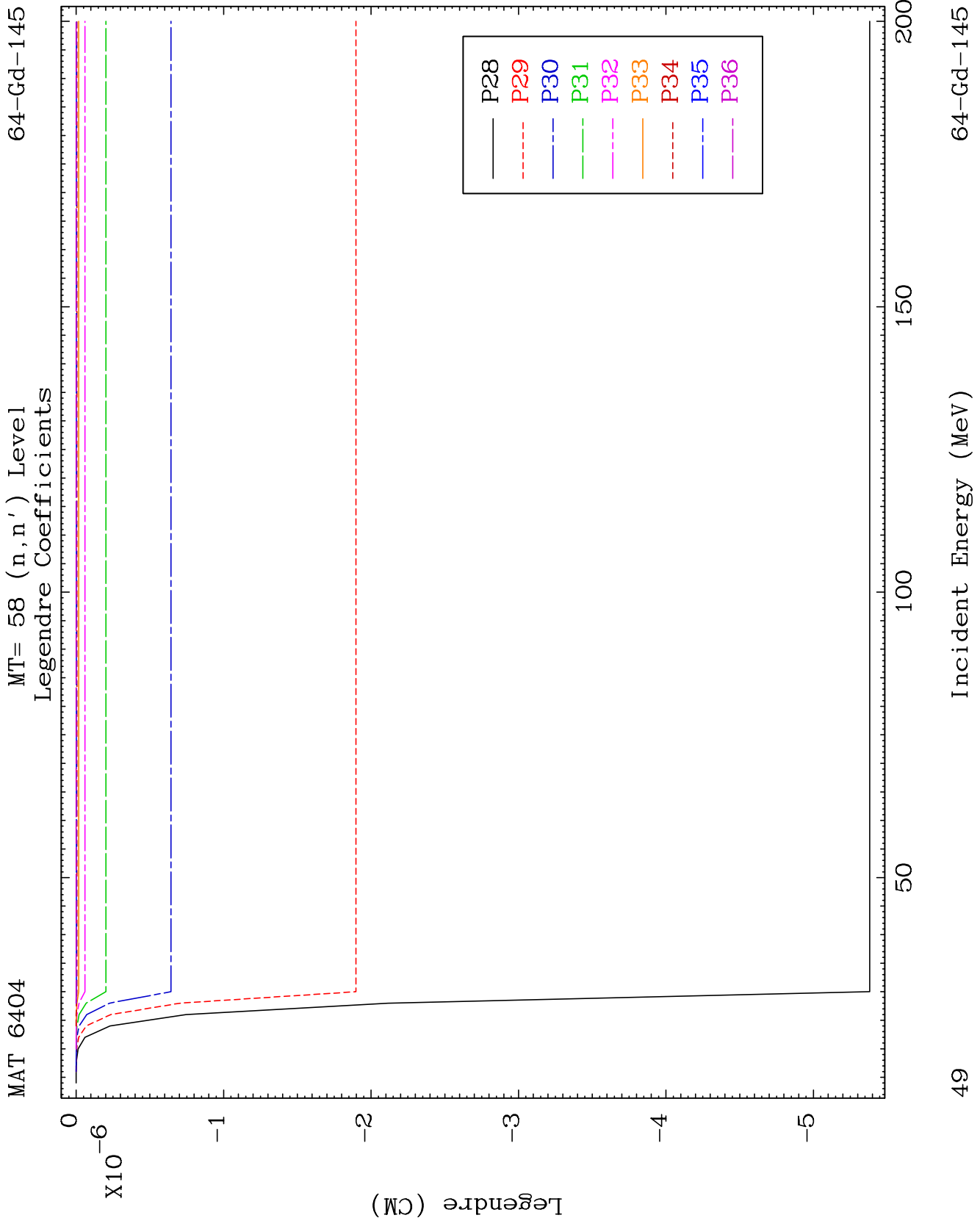
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48

Incident Energy (MeV)

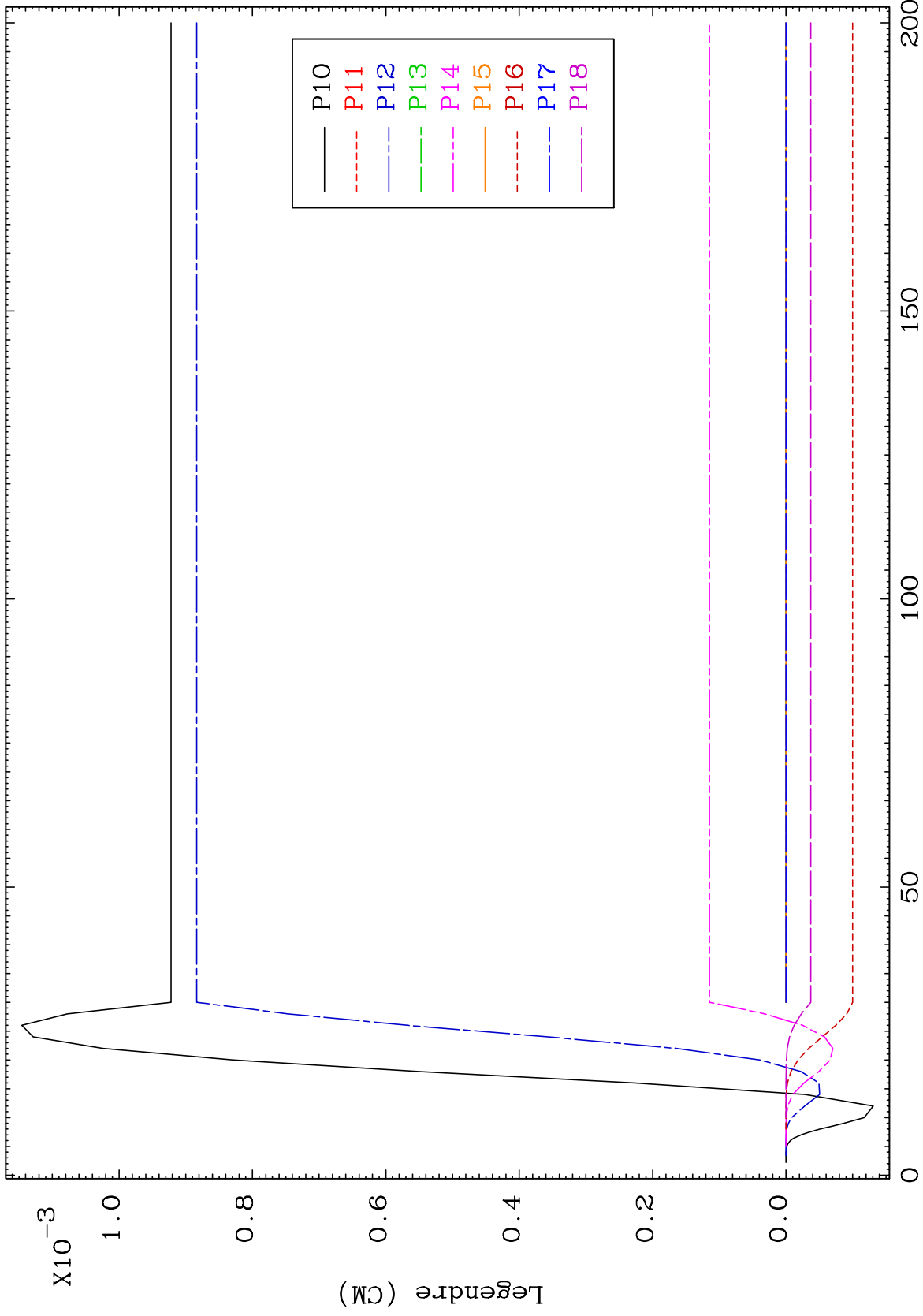
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MAT 6404

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

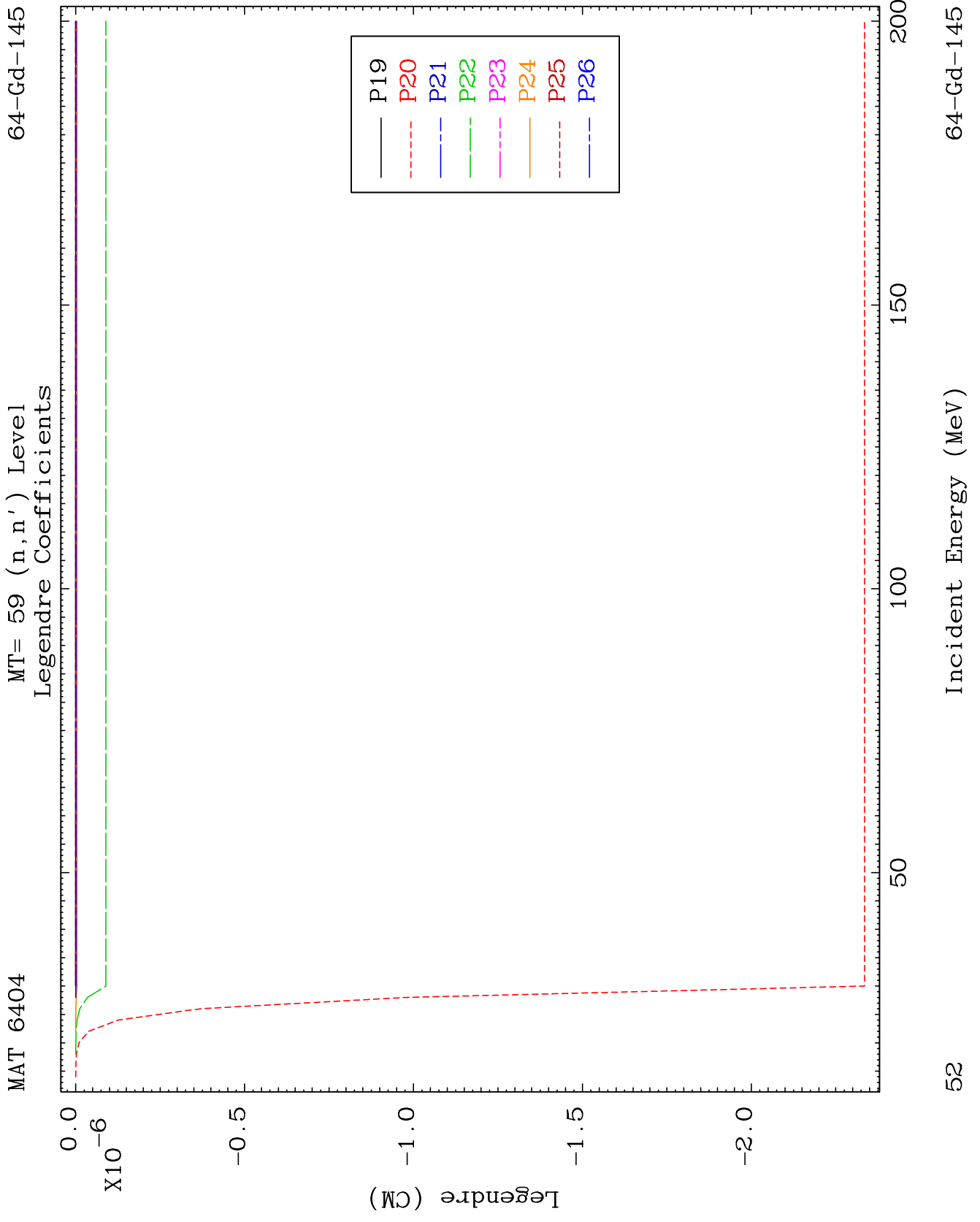
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51

Incident Energy (MeV)

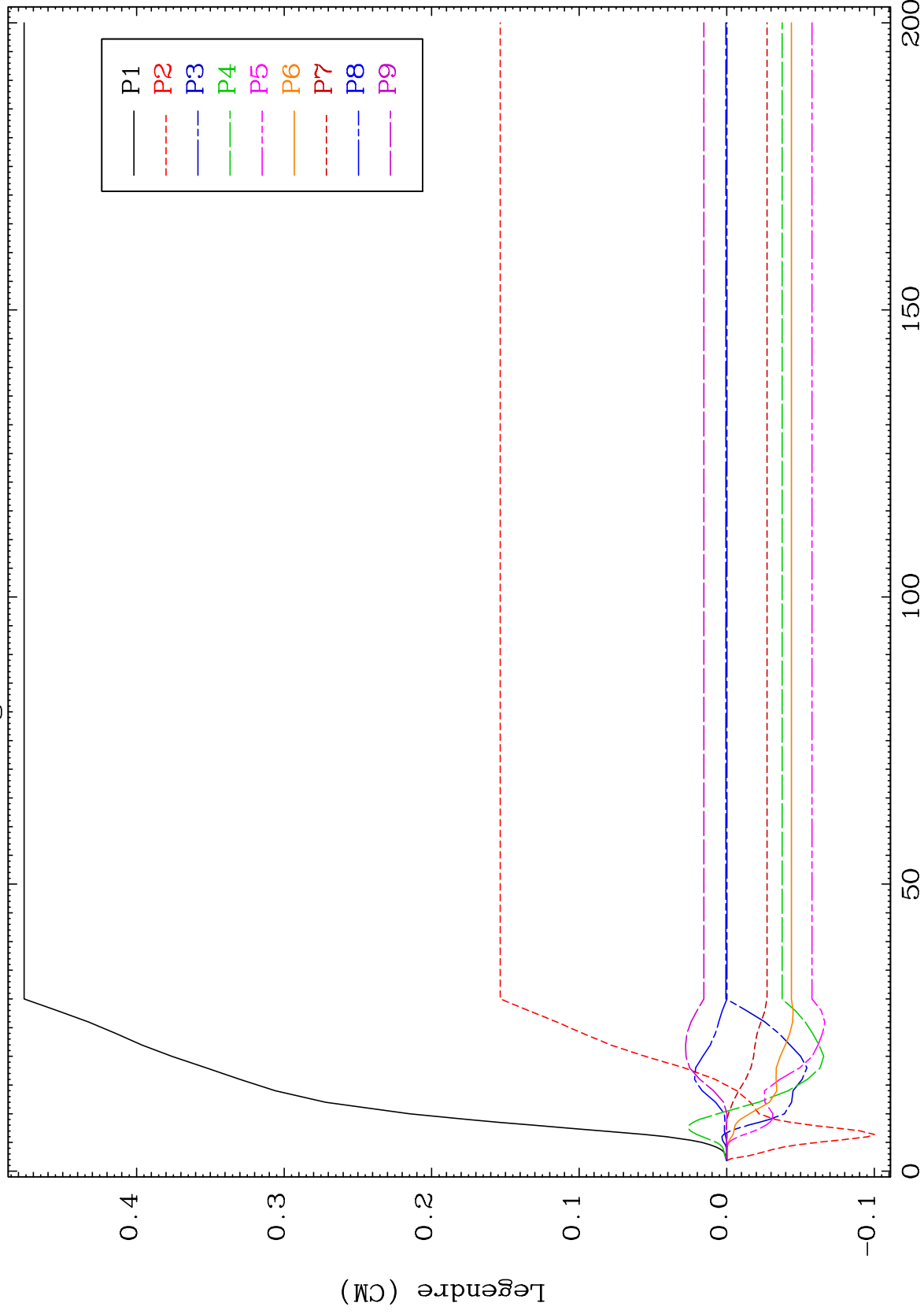
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MAT 6404

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

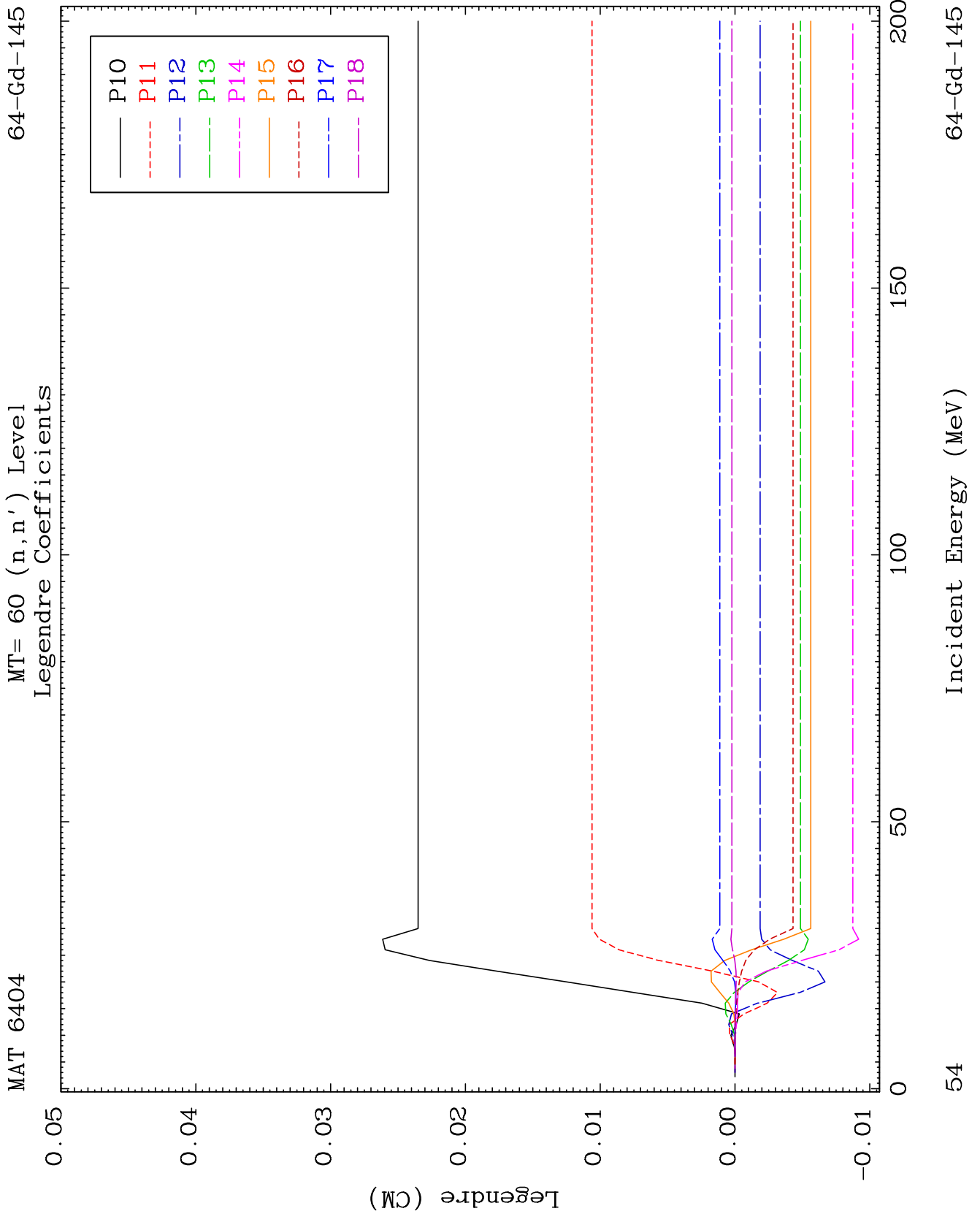
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53

Incident Energy (MeV)

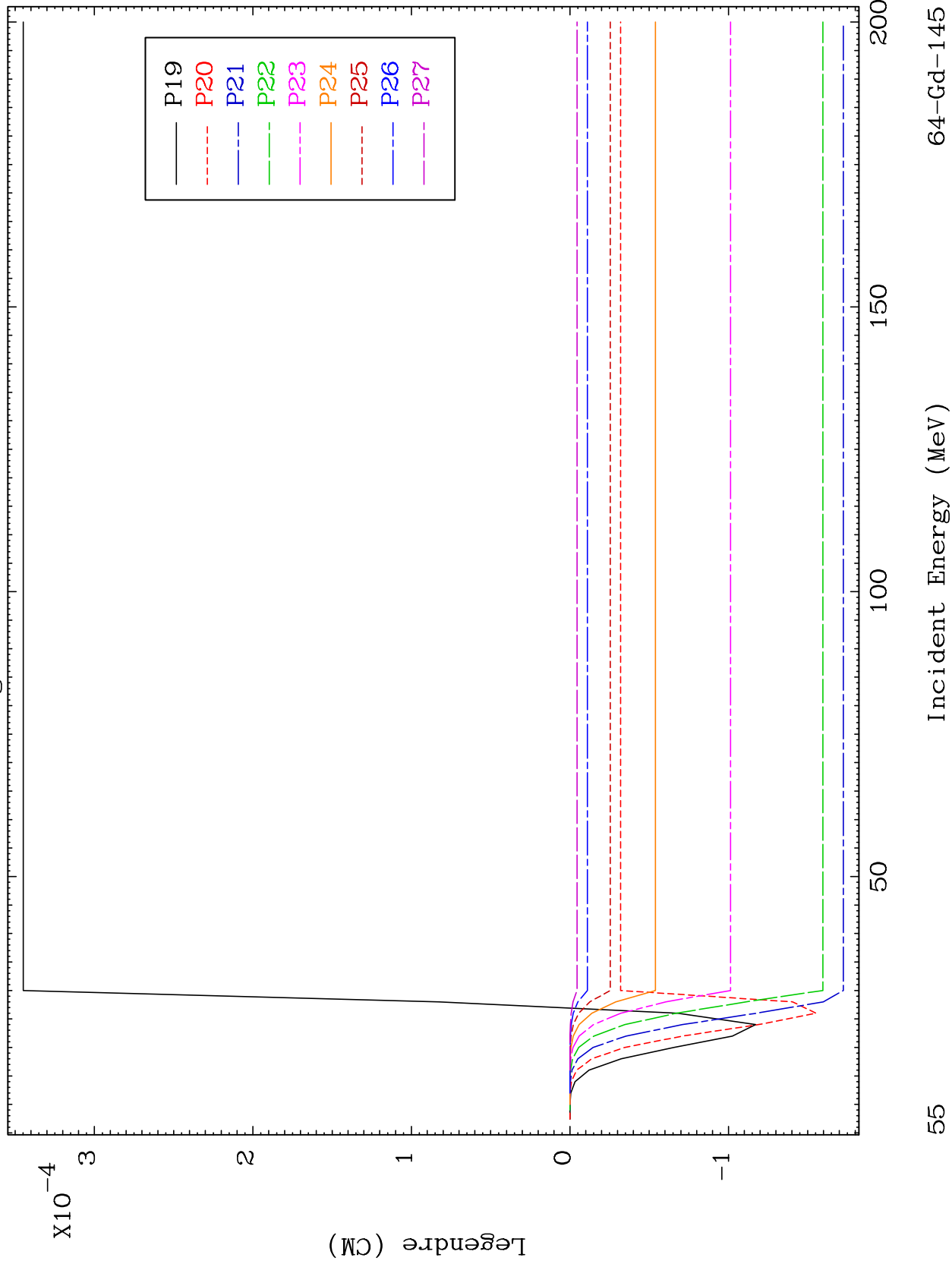
64-Gd-145



MAT 6404

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

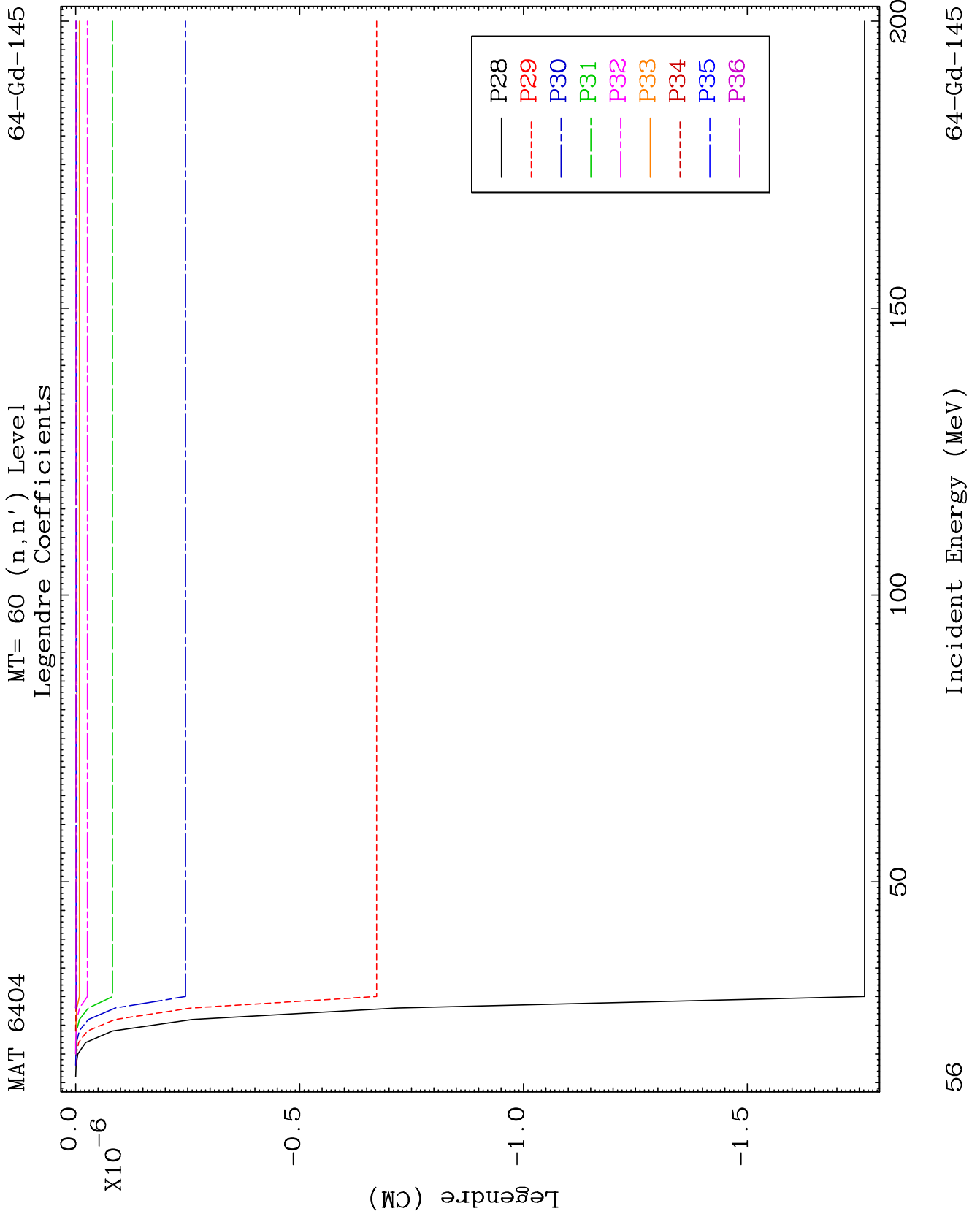
64-Gd-145



55

Incident Energy (MeV)

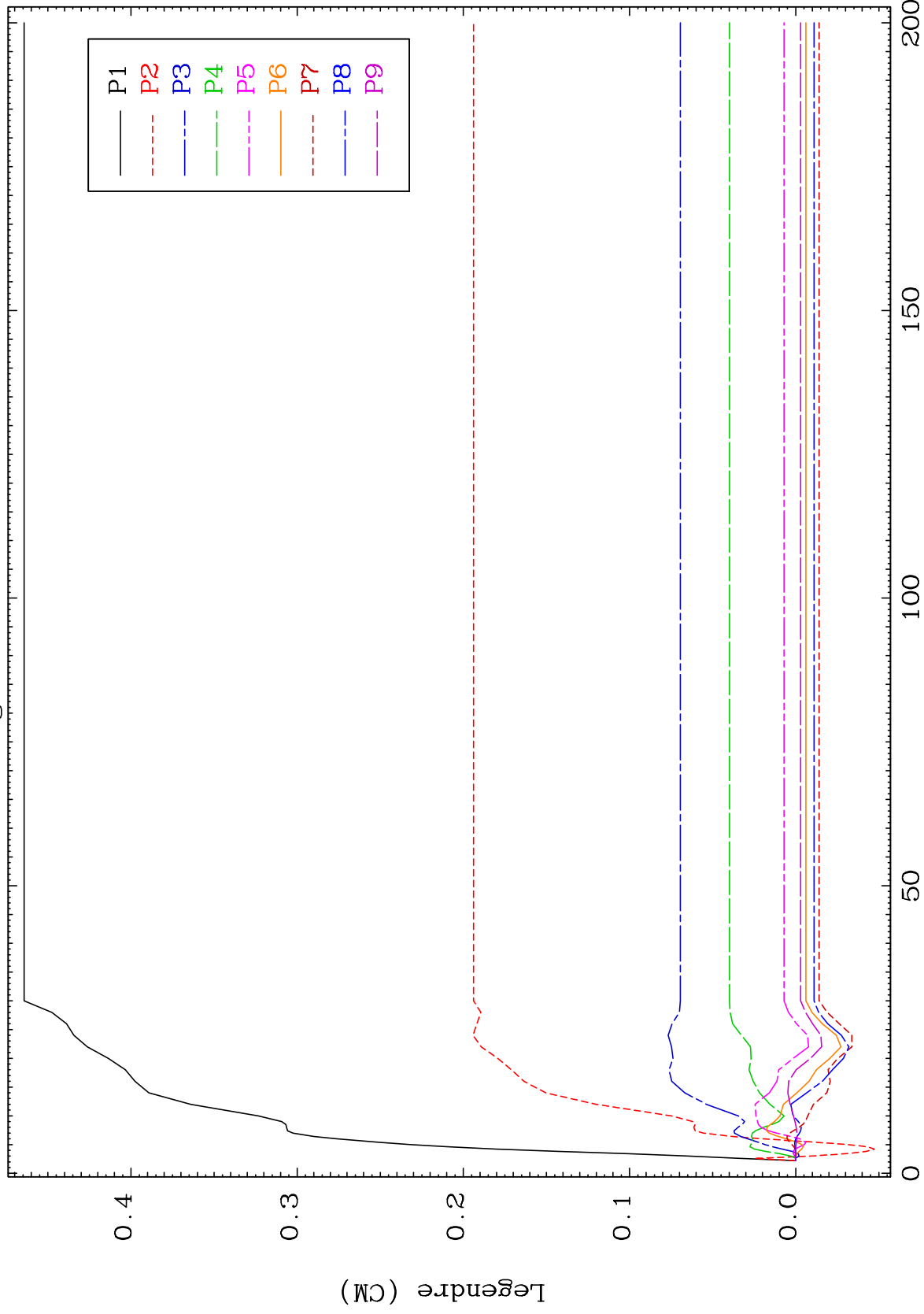
64-Gd-145



MAT 6404

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

64-Gd-145



57

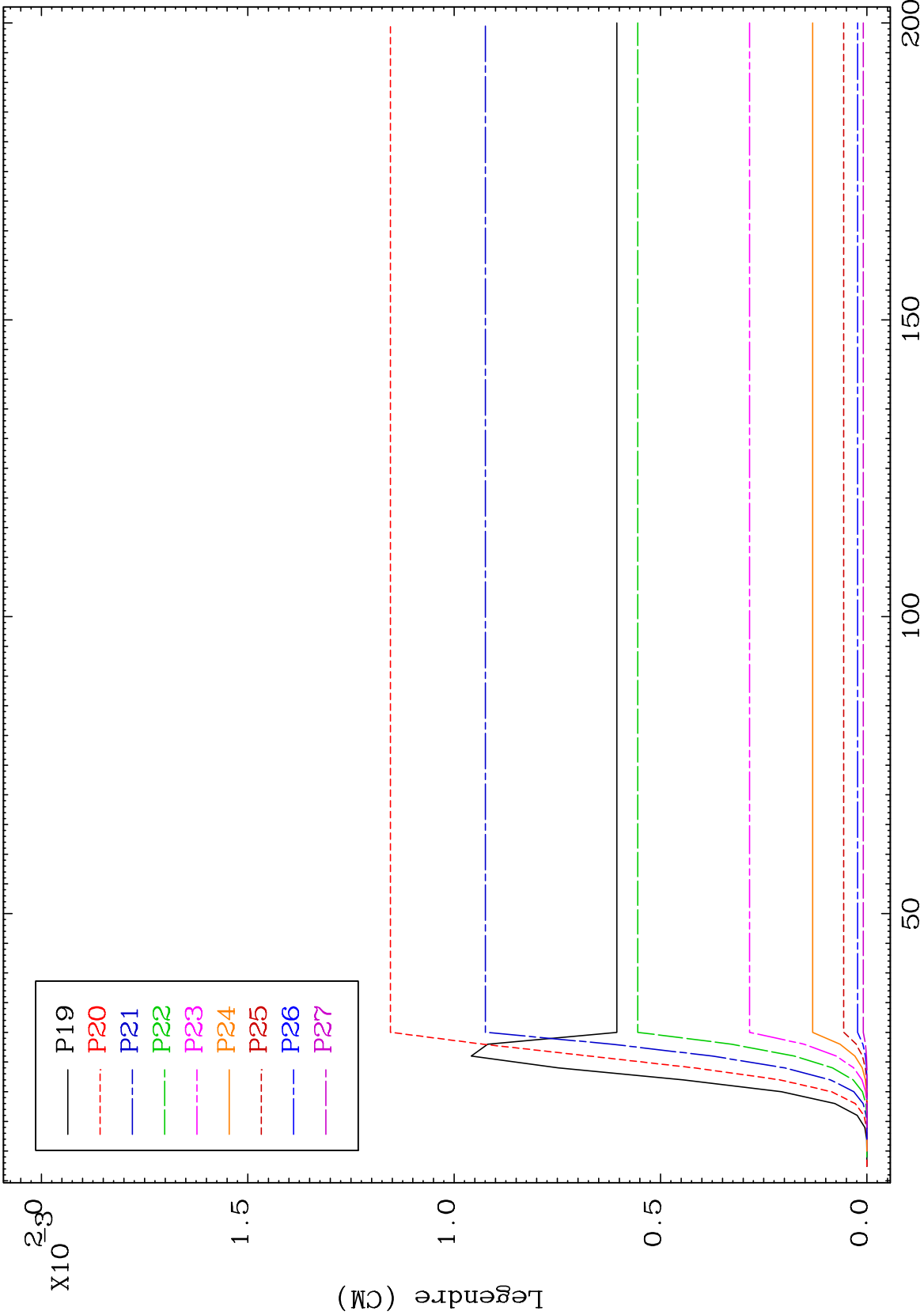
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



59

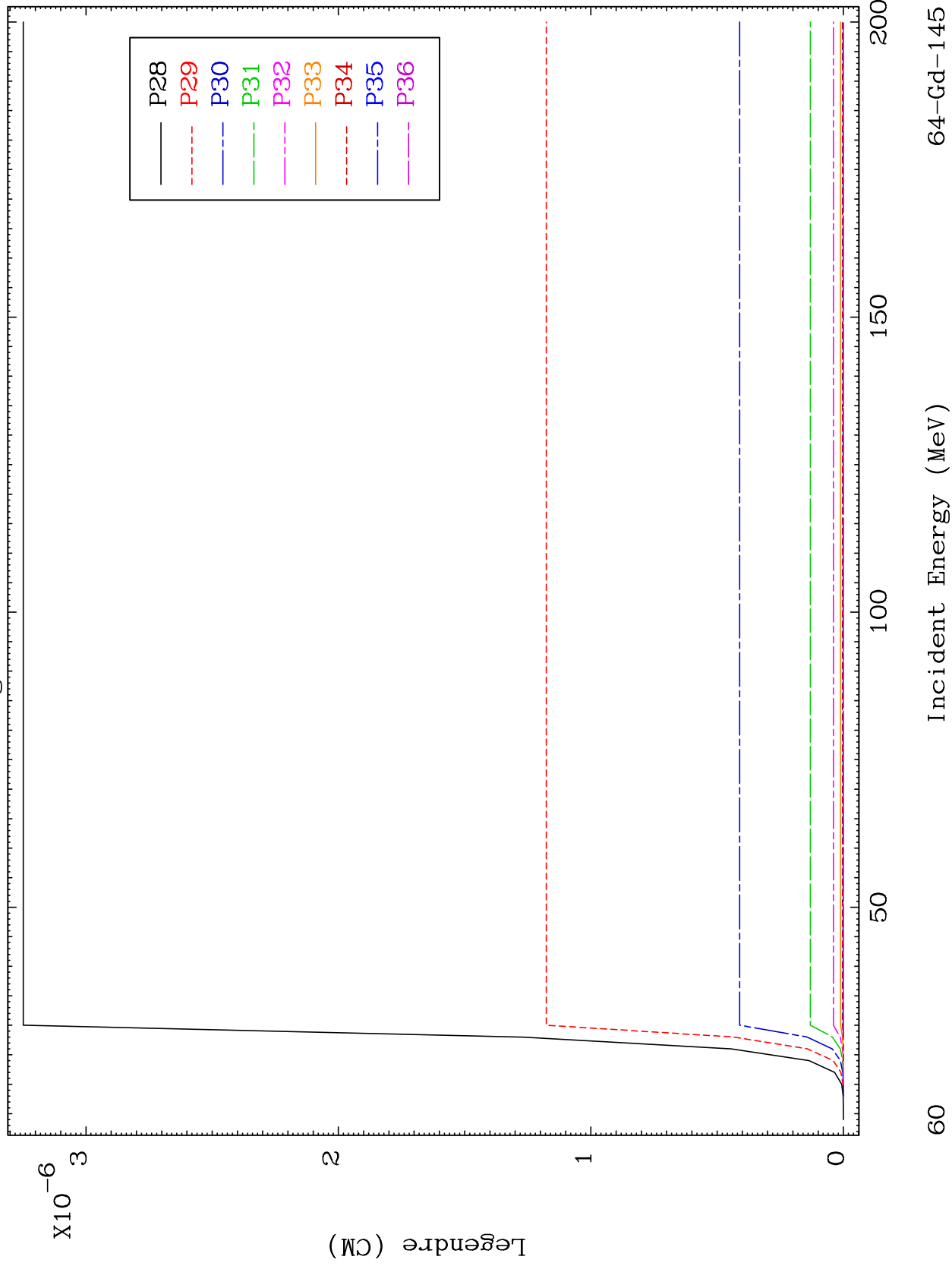
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



60

50

100

150

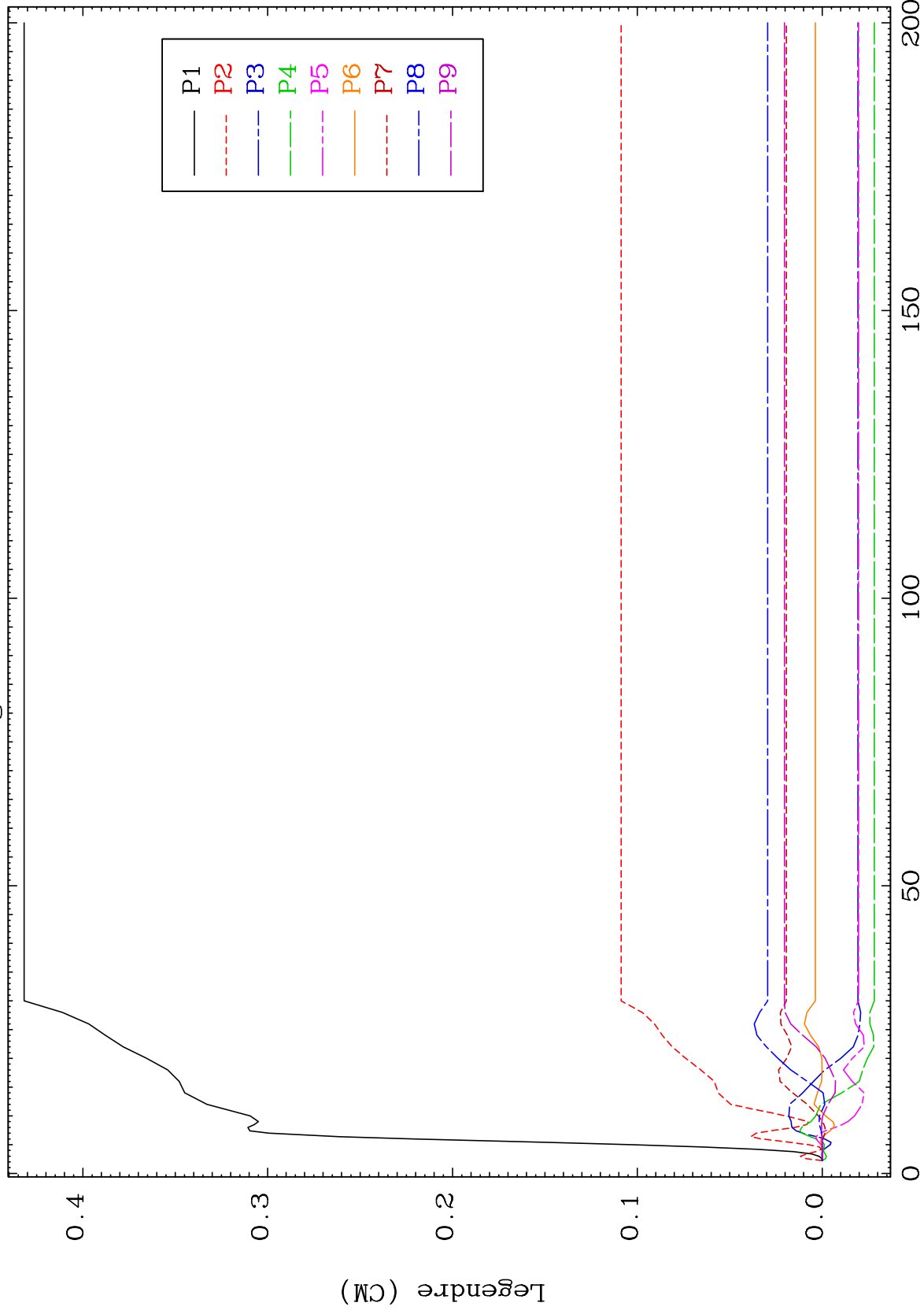
200

64-Gd-145

MAT 6404

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

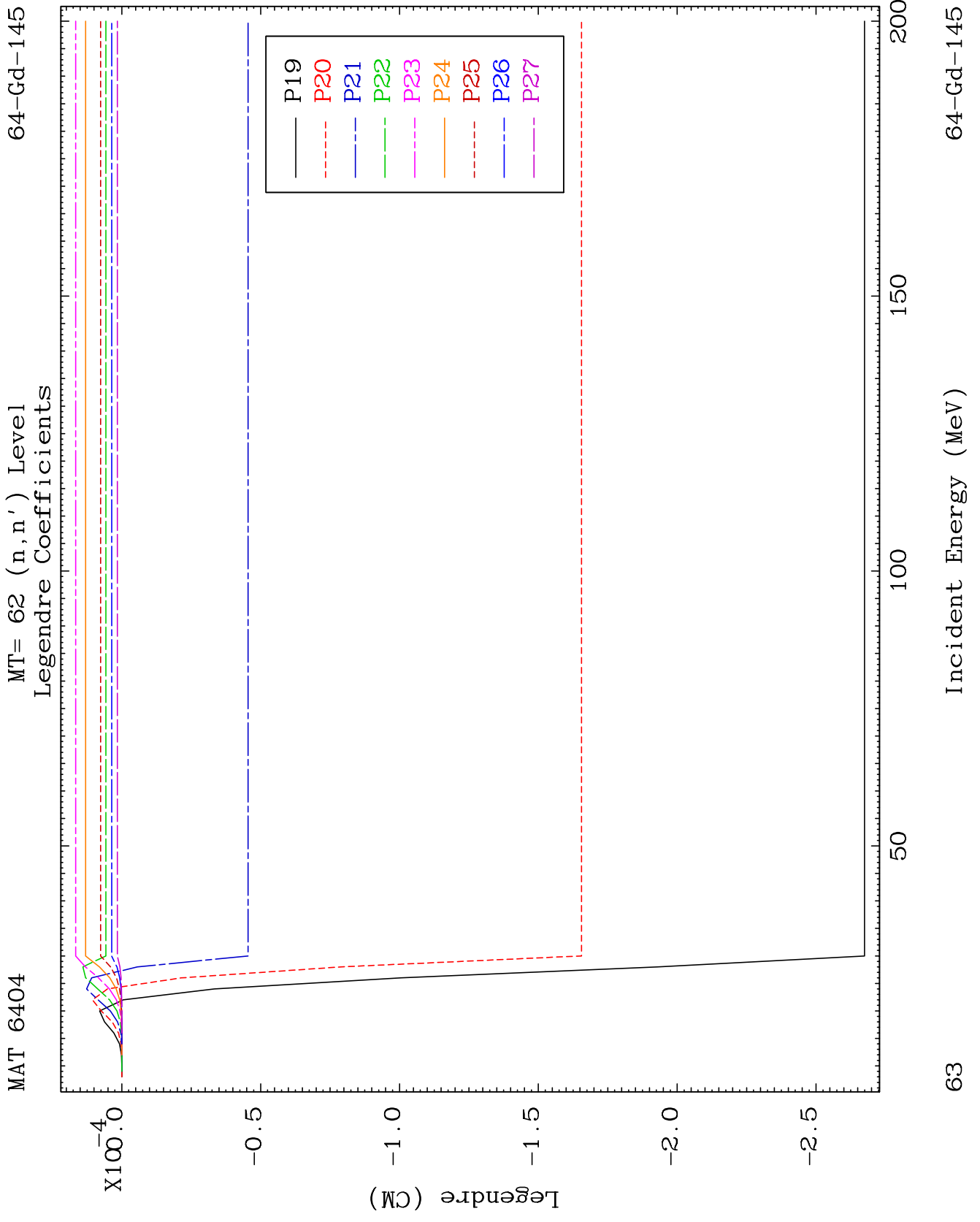
64-Gd-145



61

Incident Energy (MeV)

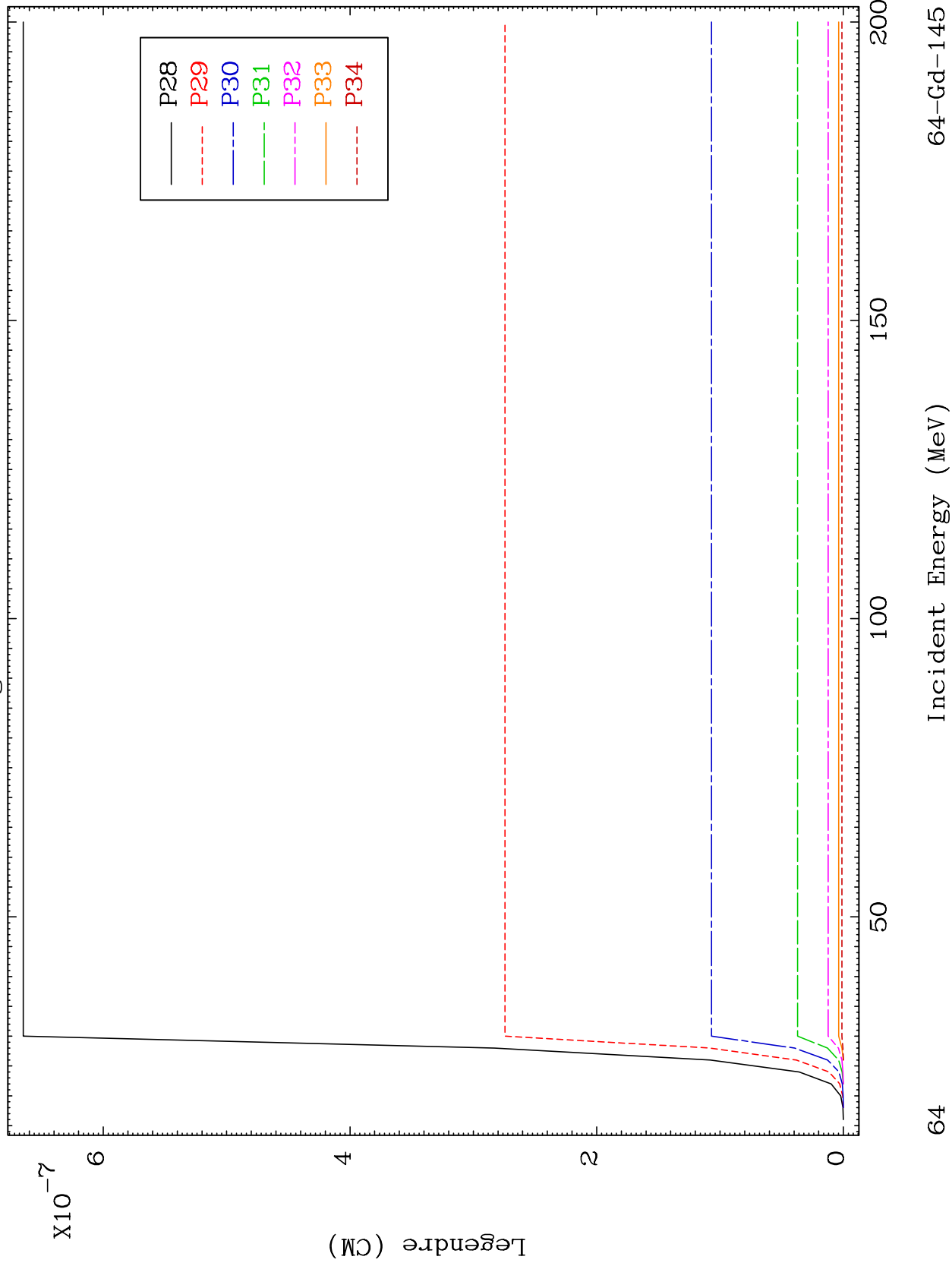
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MAT 6404

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

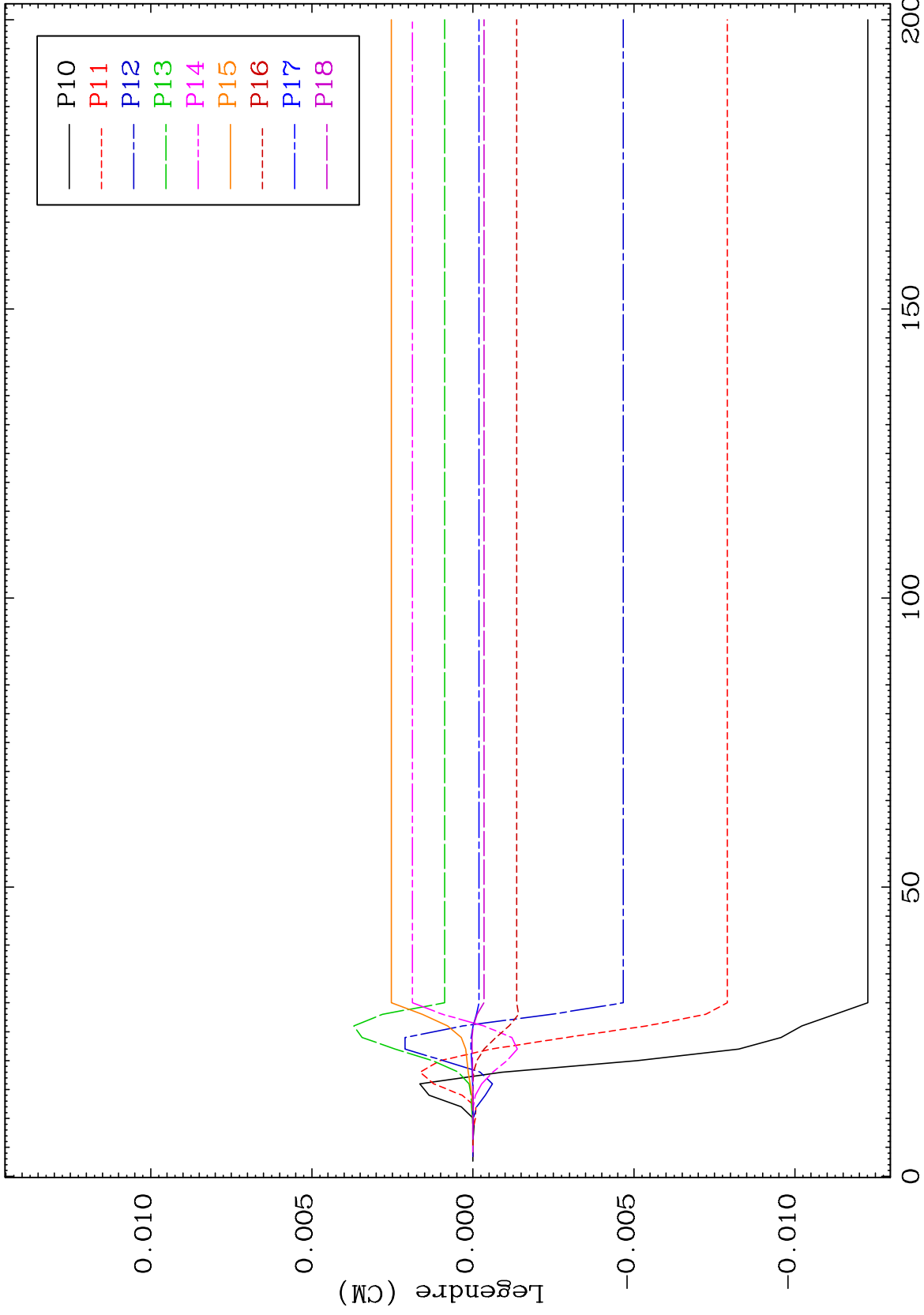
64-Gd-145



MAT 6404

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

64-Gd-145



66

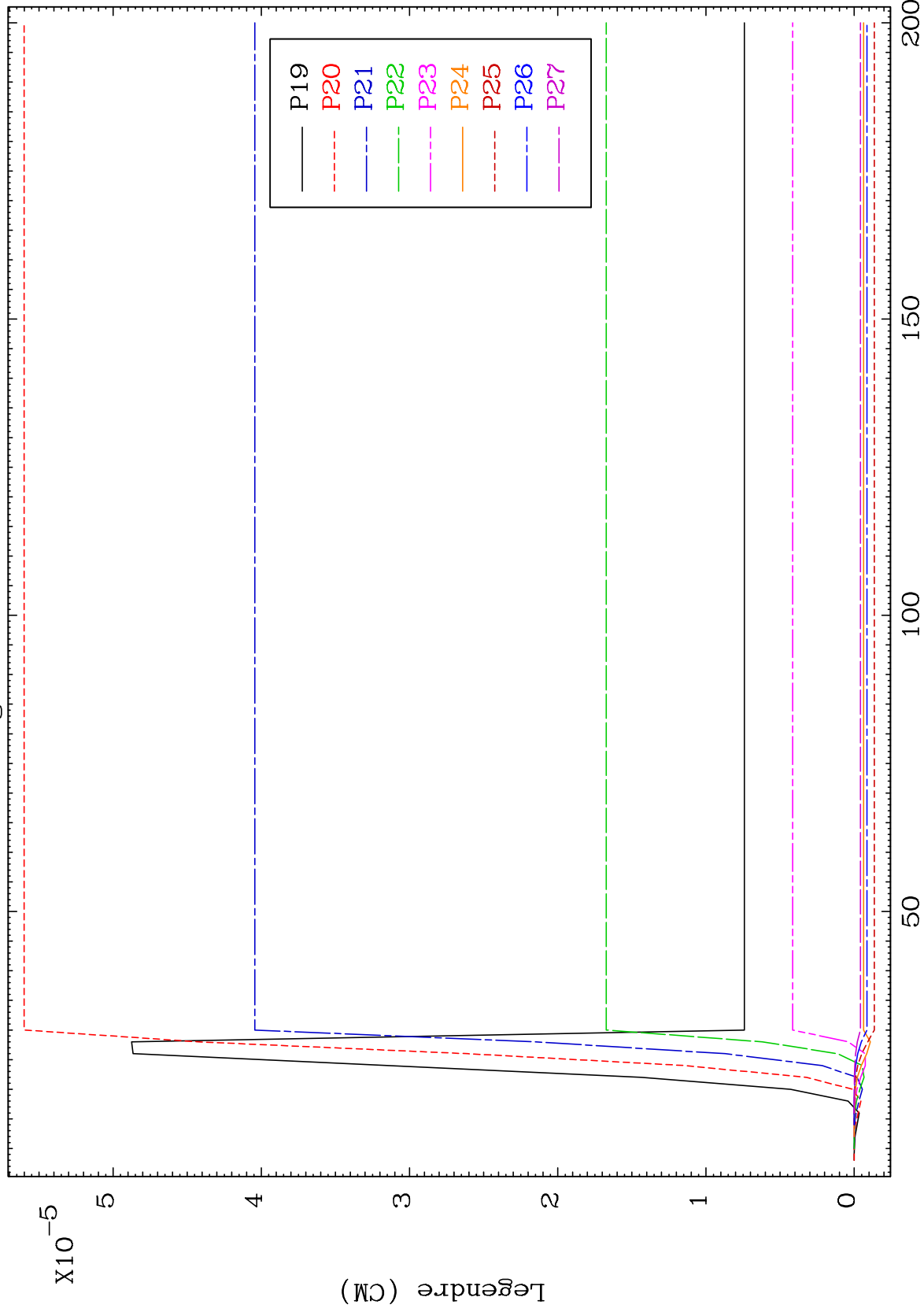
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

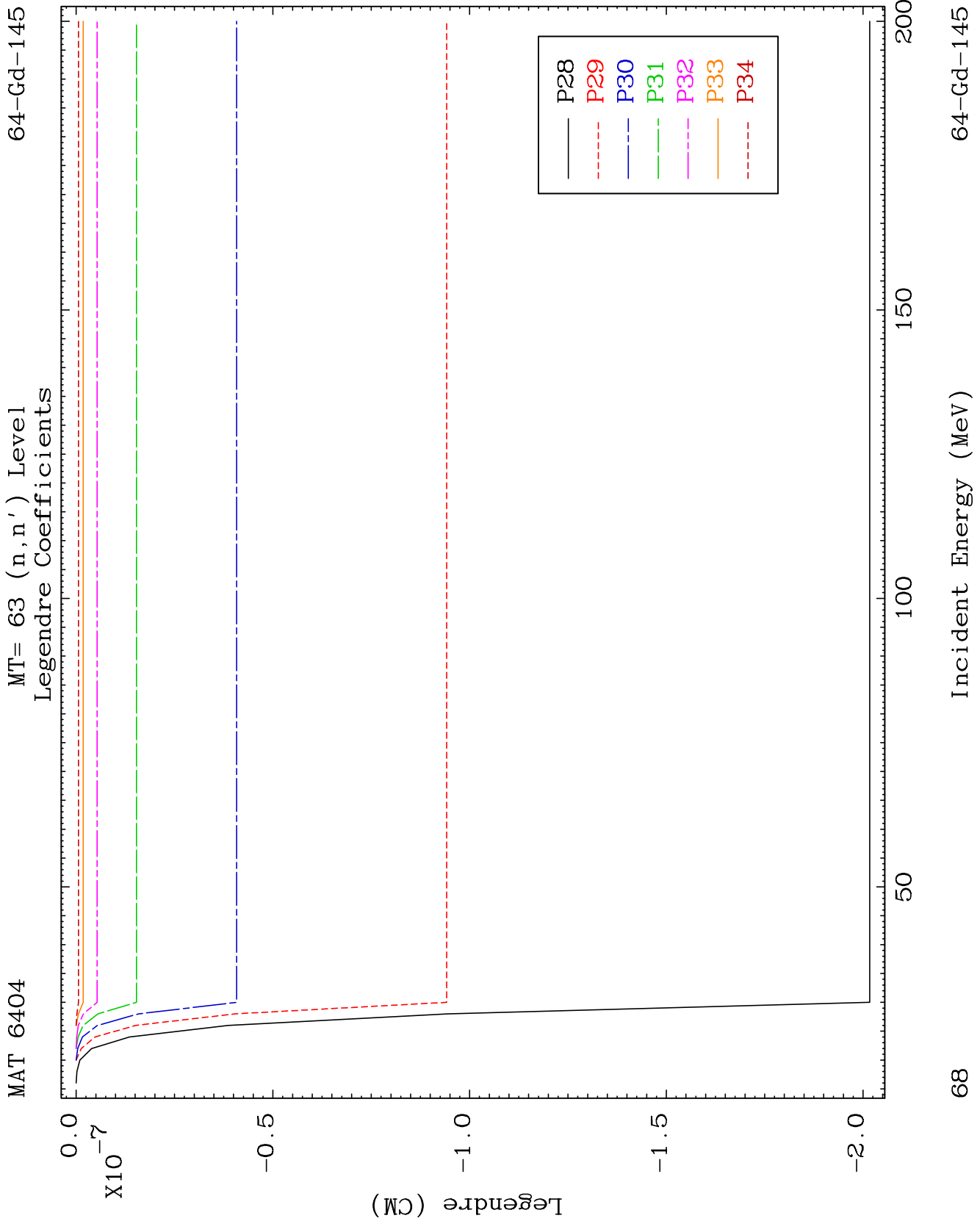
64-Gd-145



67

Incident Energy (MeV)

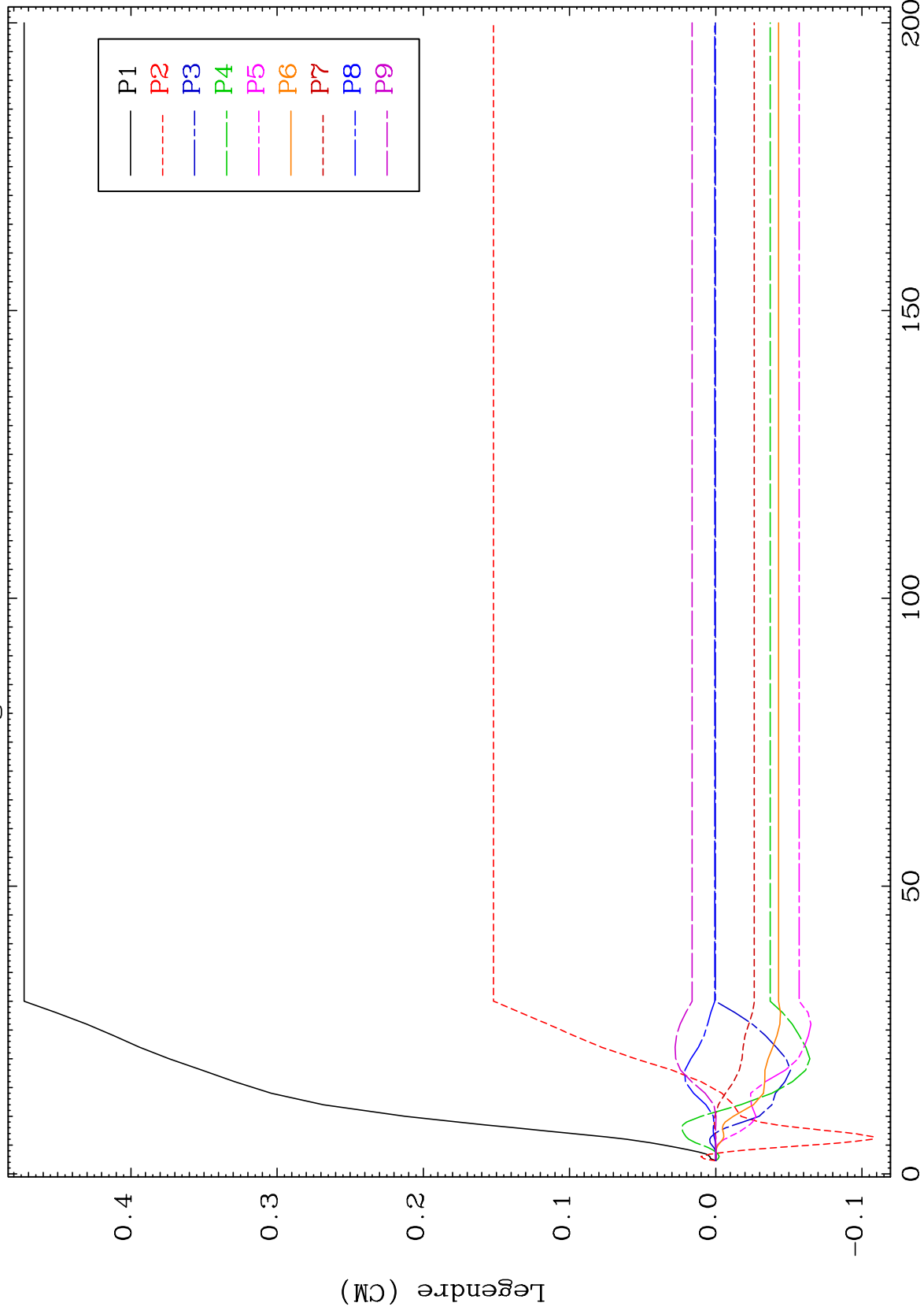
64-Gd-145



MAT 6404

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

64-Gd-145



69

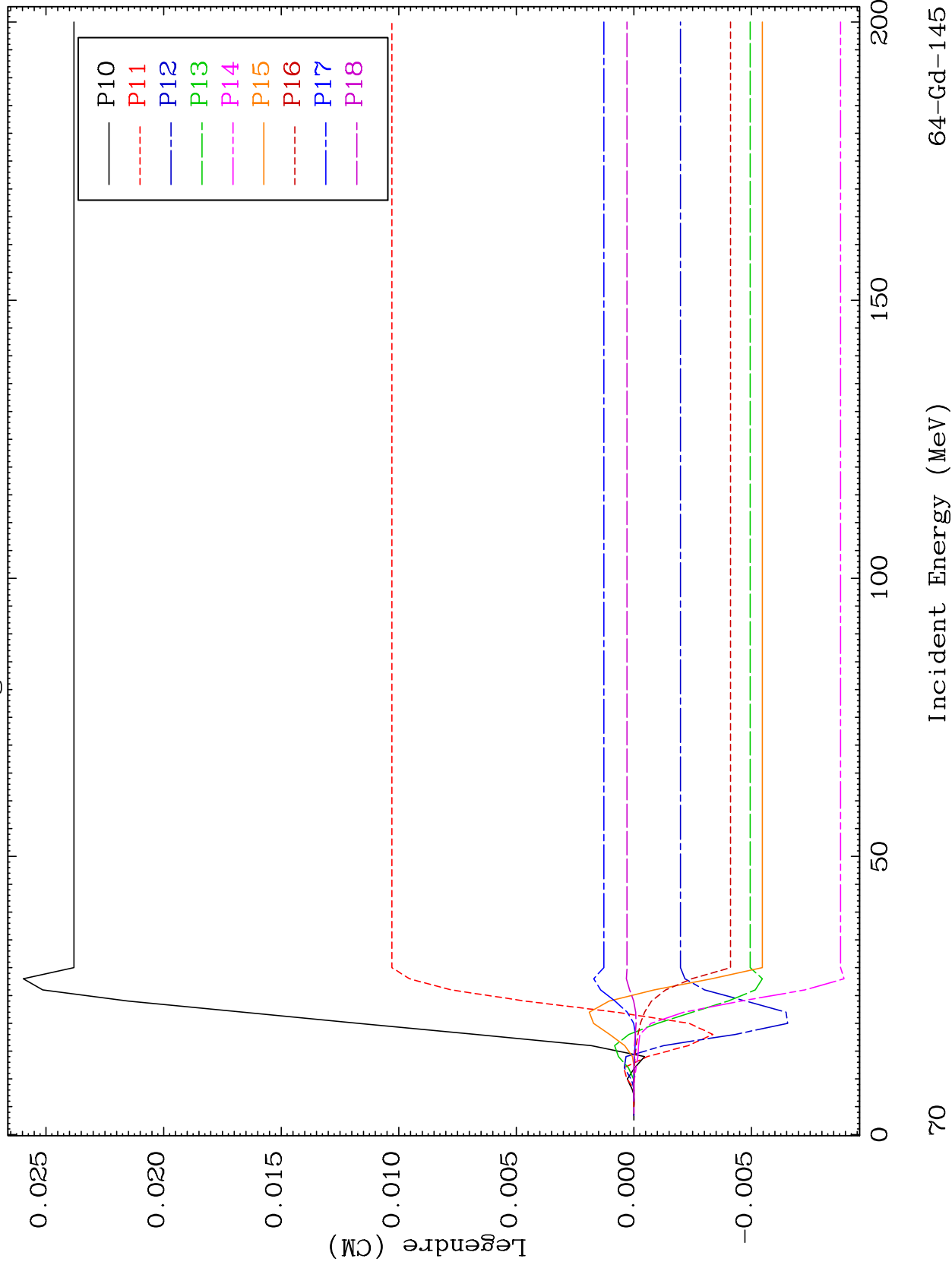
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



70

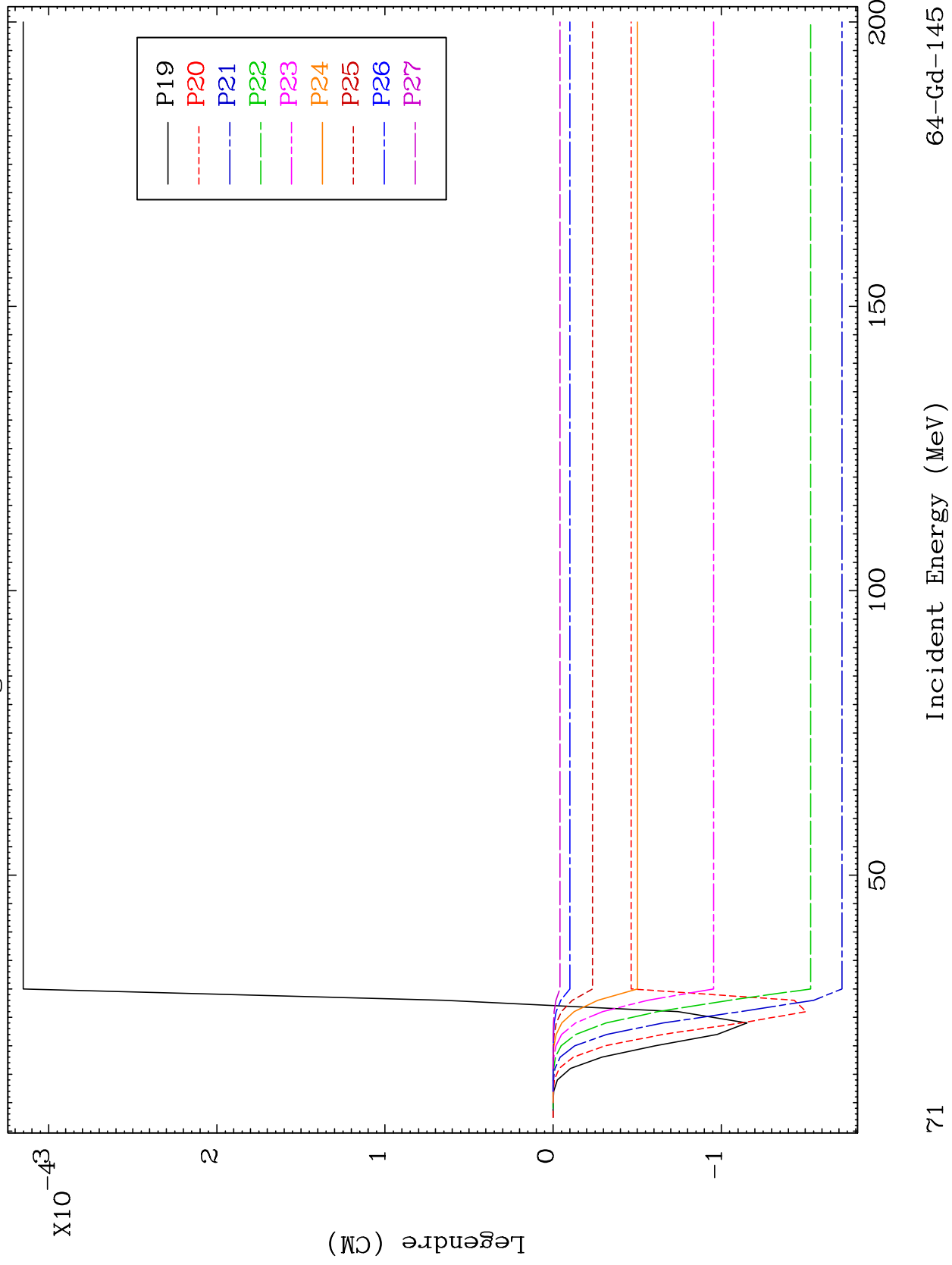
Incident Energy (MeV)

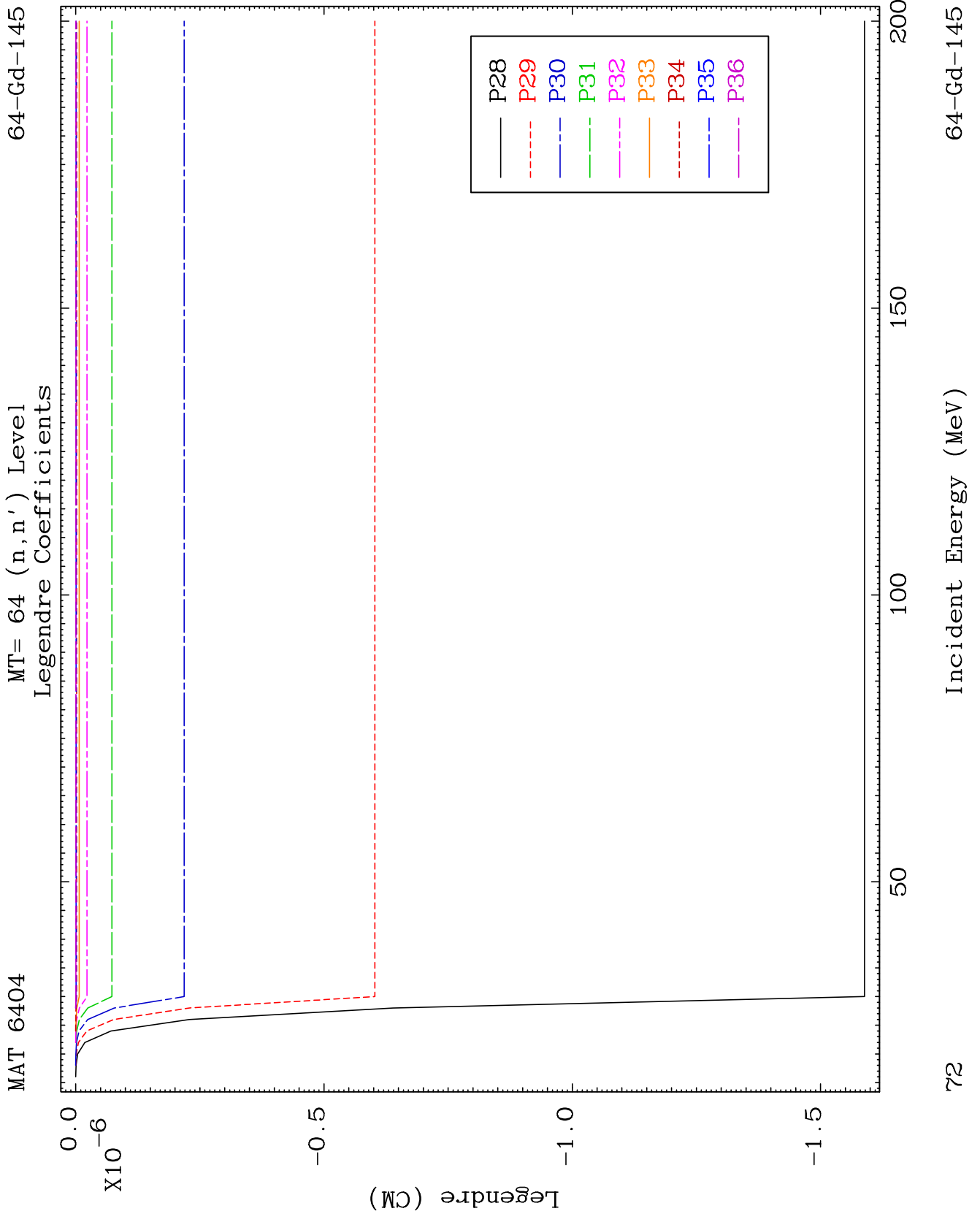
64-Gd-145

MAT 6404

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

64-Gd-145

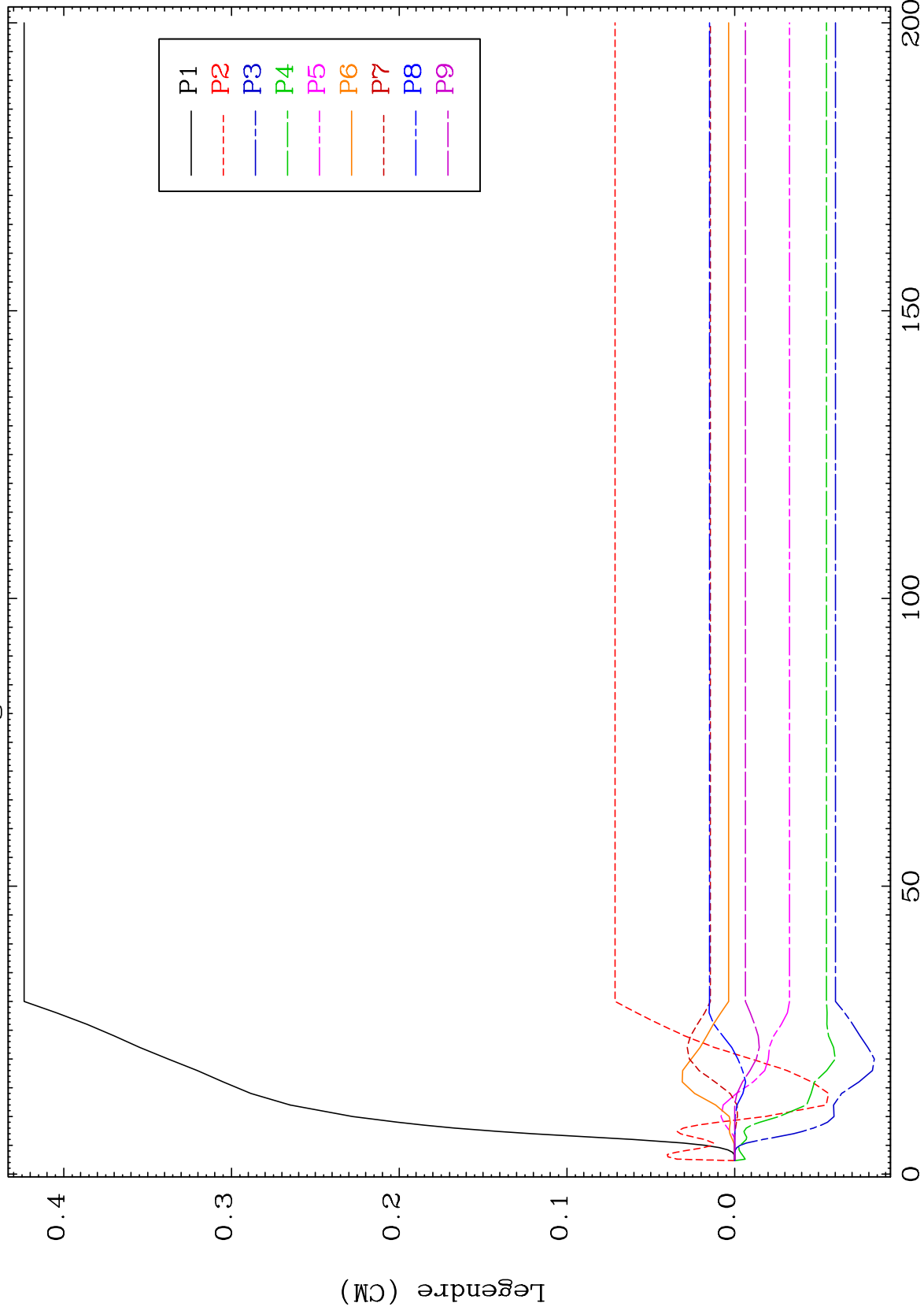




MAT 6404

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

64-Gd-145



73

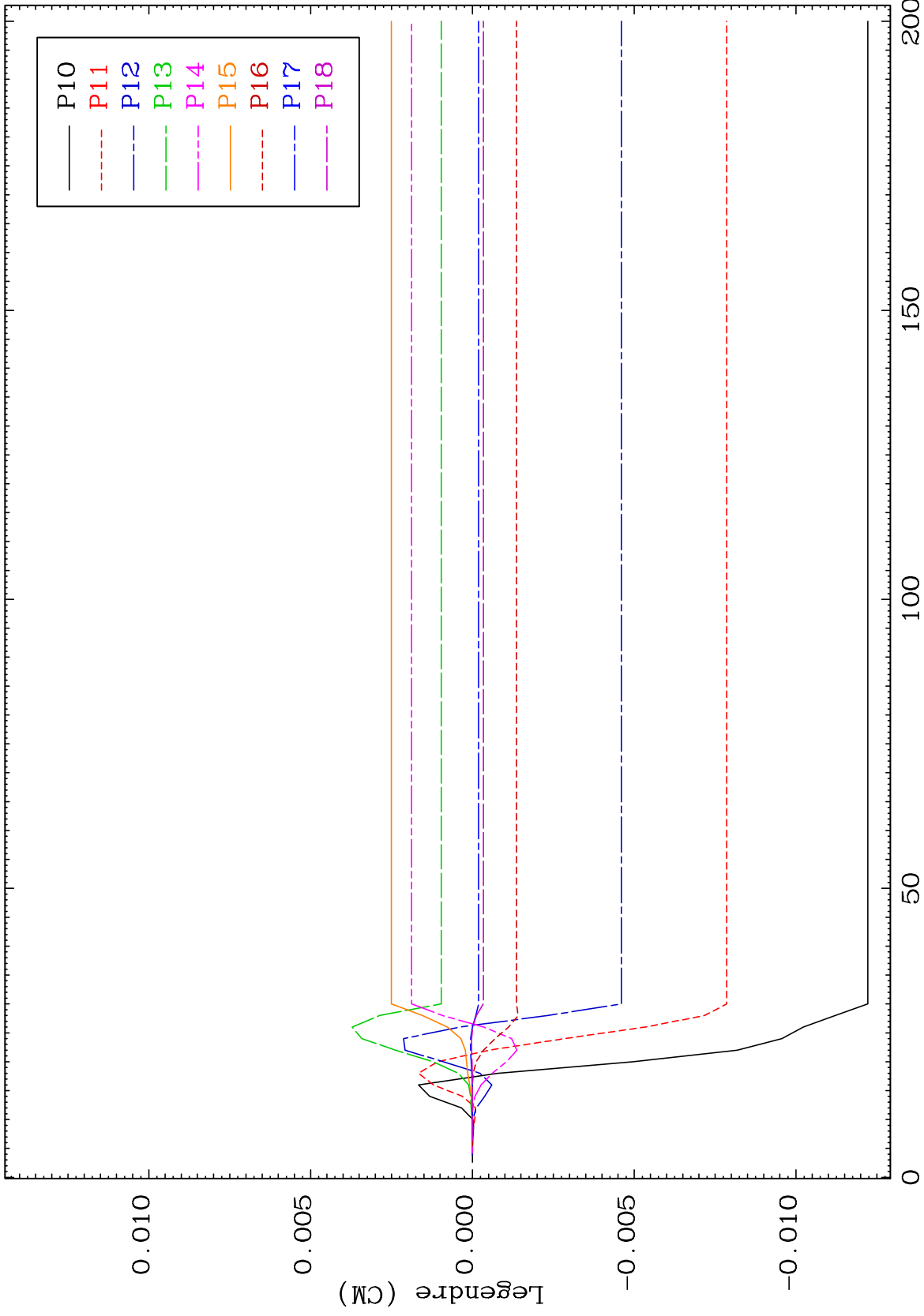
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



74

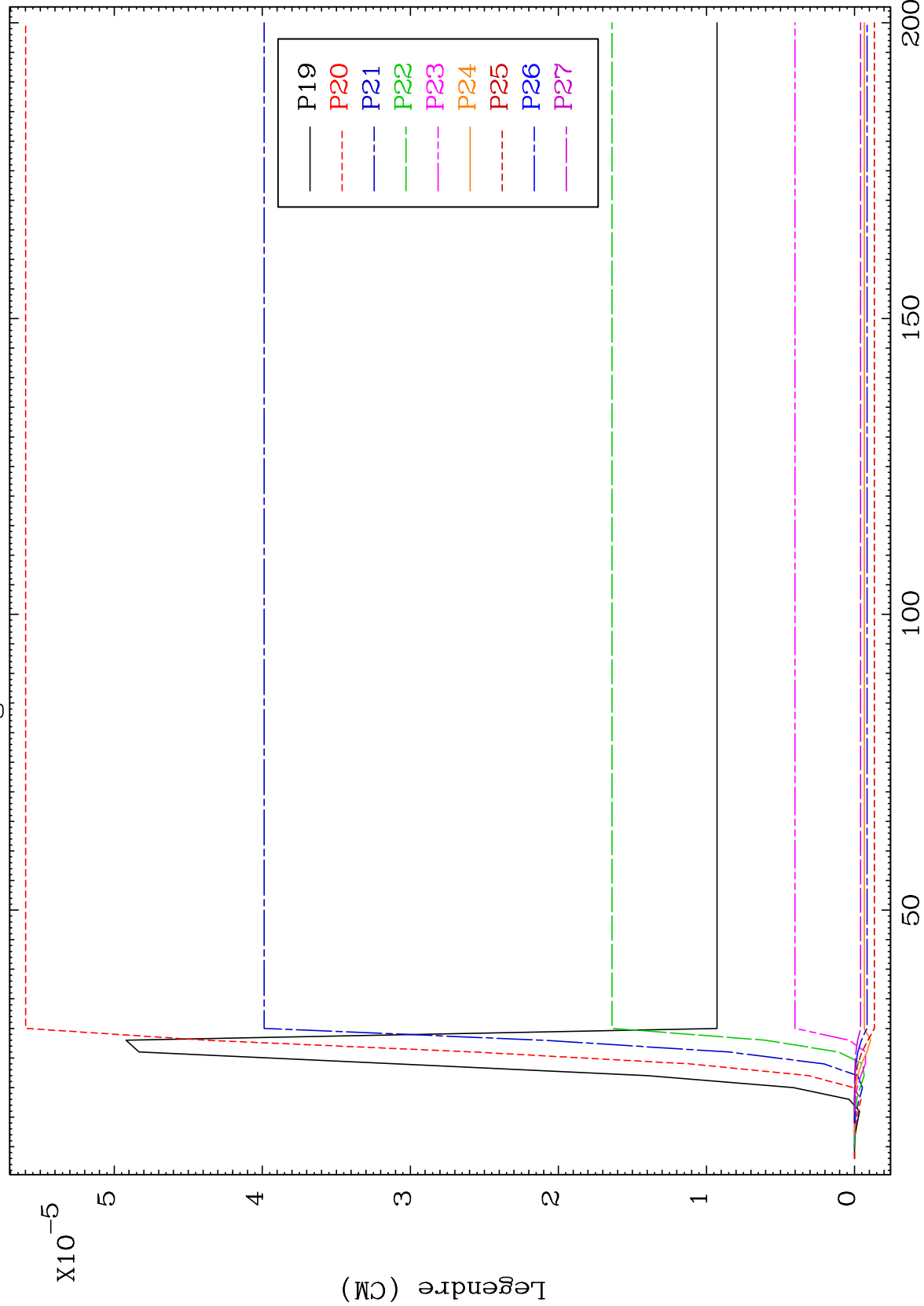
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

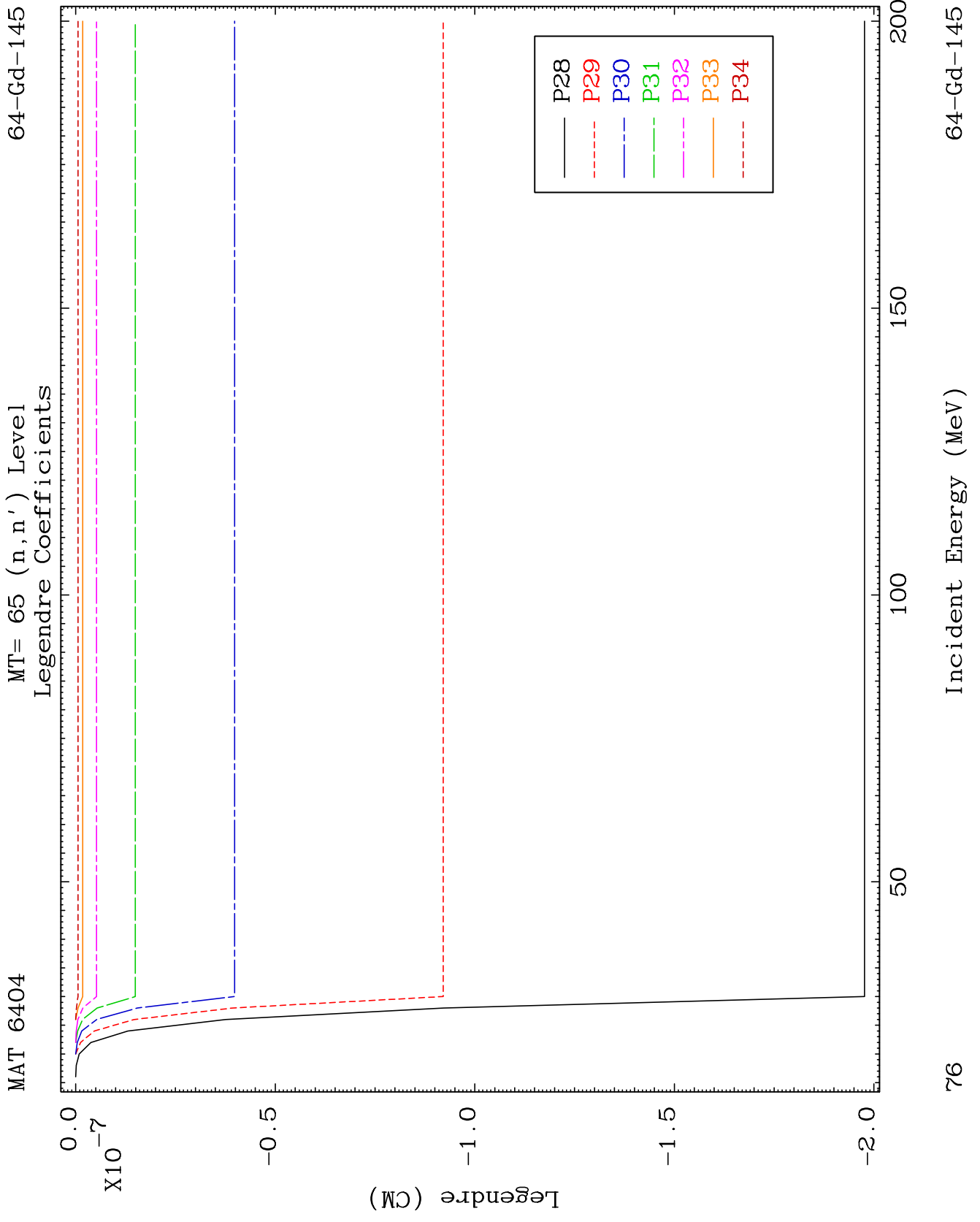
64-Gd-145



64-Gd-145

Incident Energy (MeV)

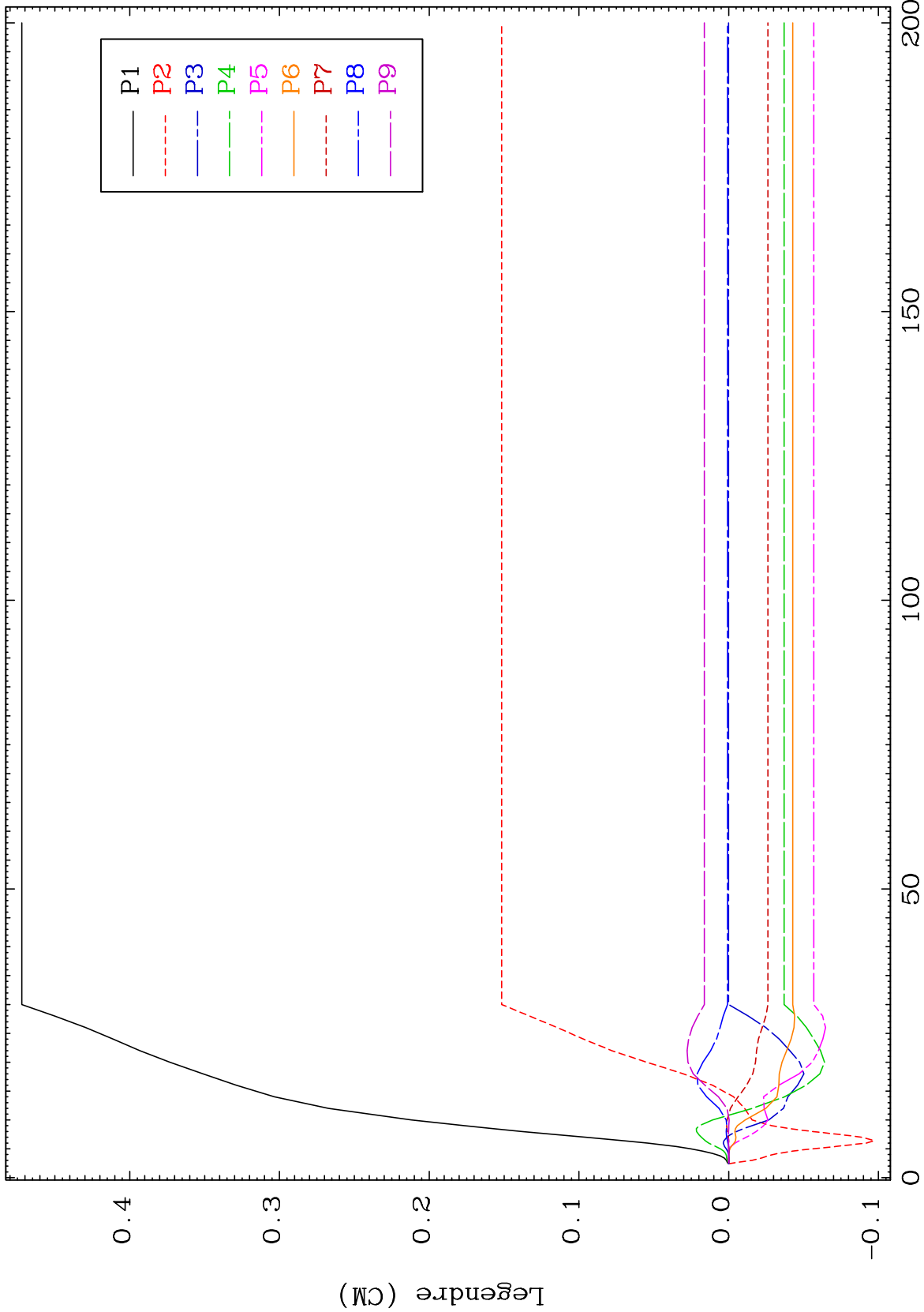
75



MAT 6404

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

64-Gd-145



77

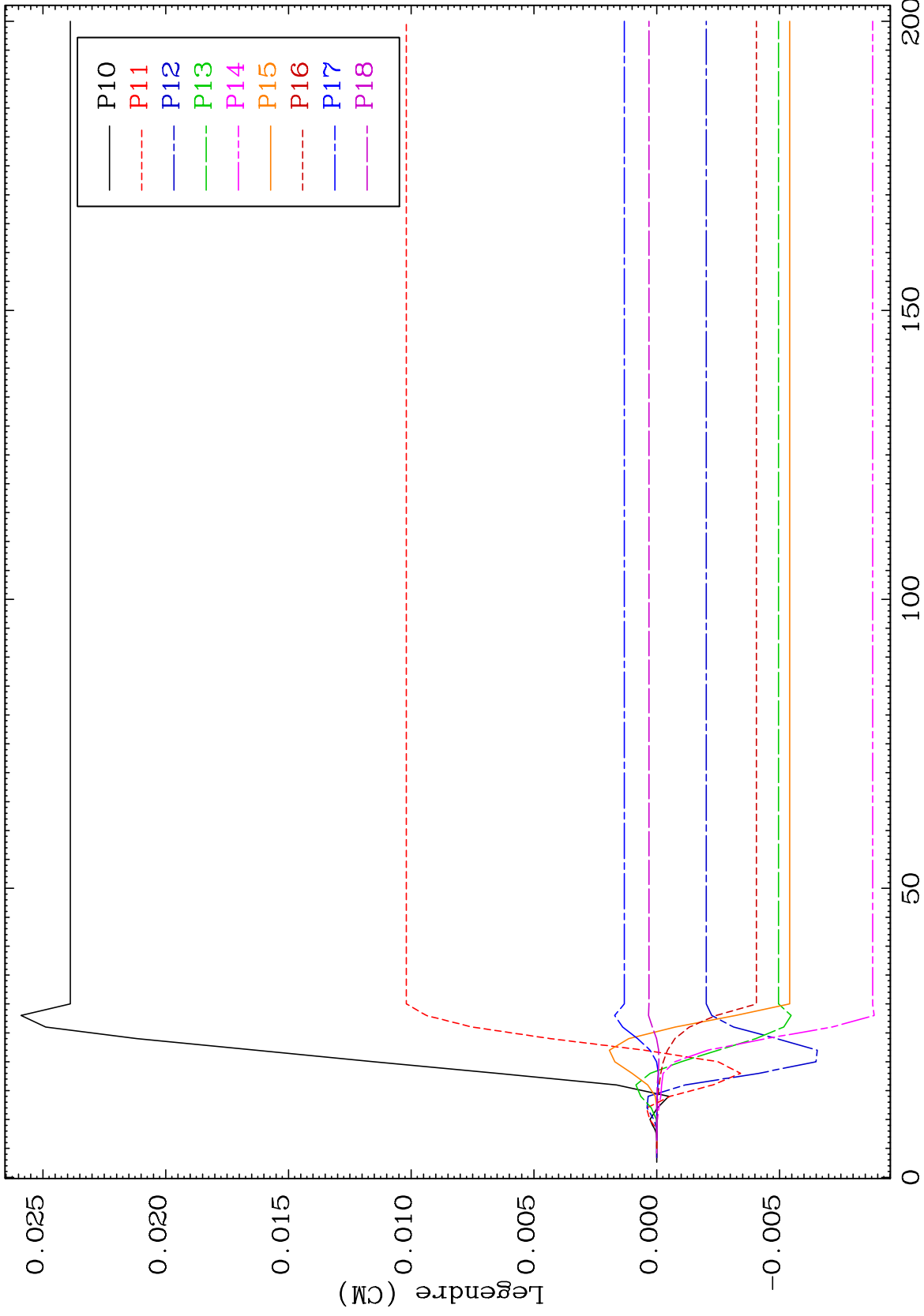
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



78

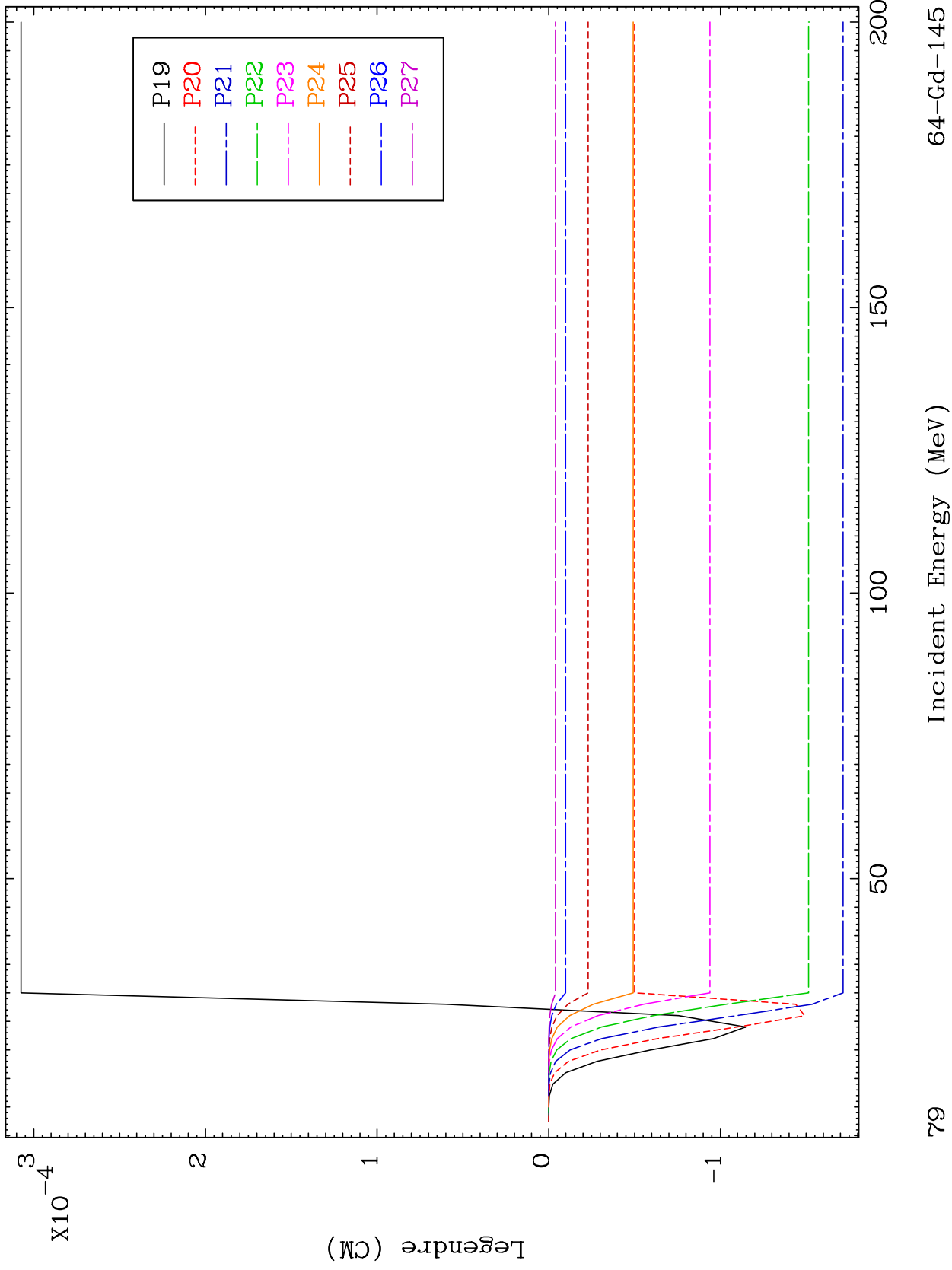
Incident Energy (MeV)

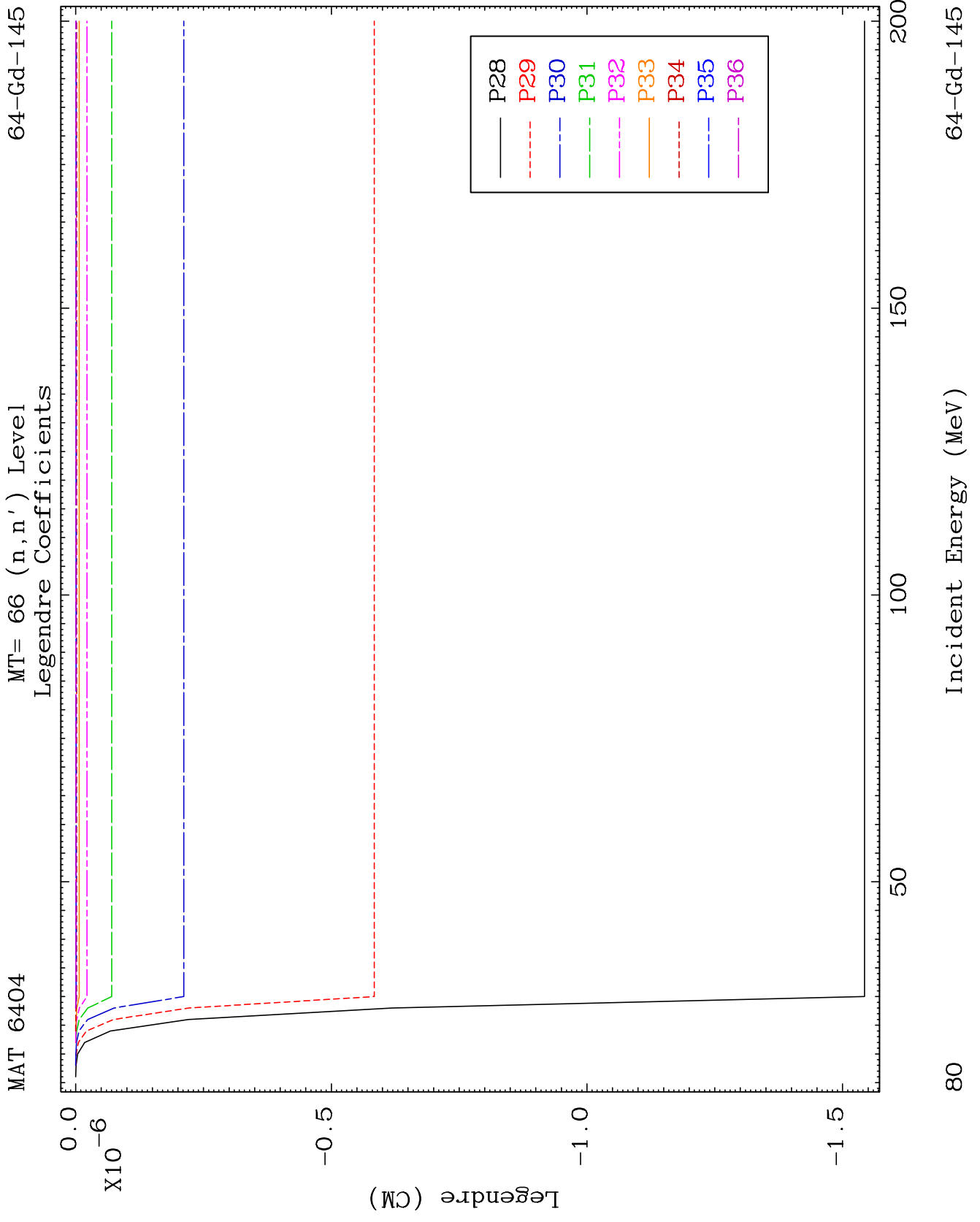
64-Gd-145

MAT 6404

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

64-Gd-145

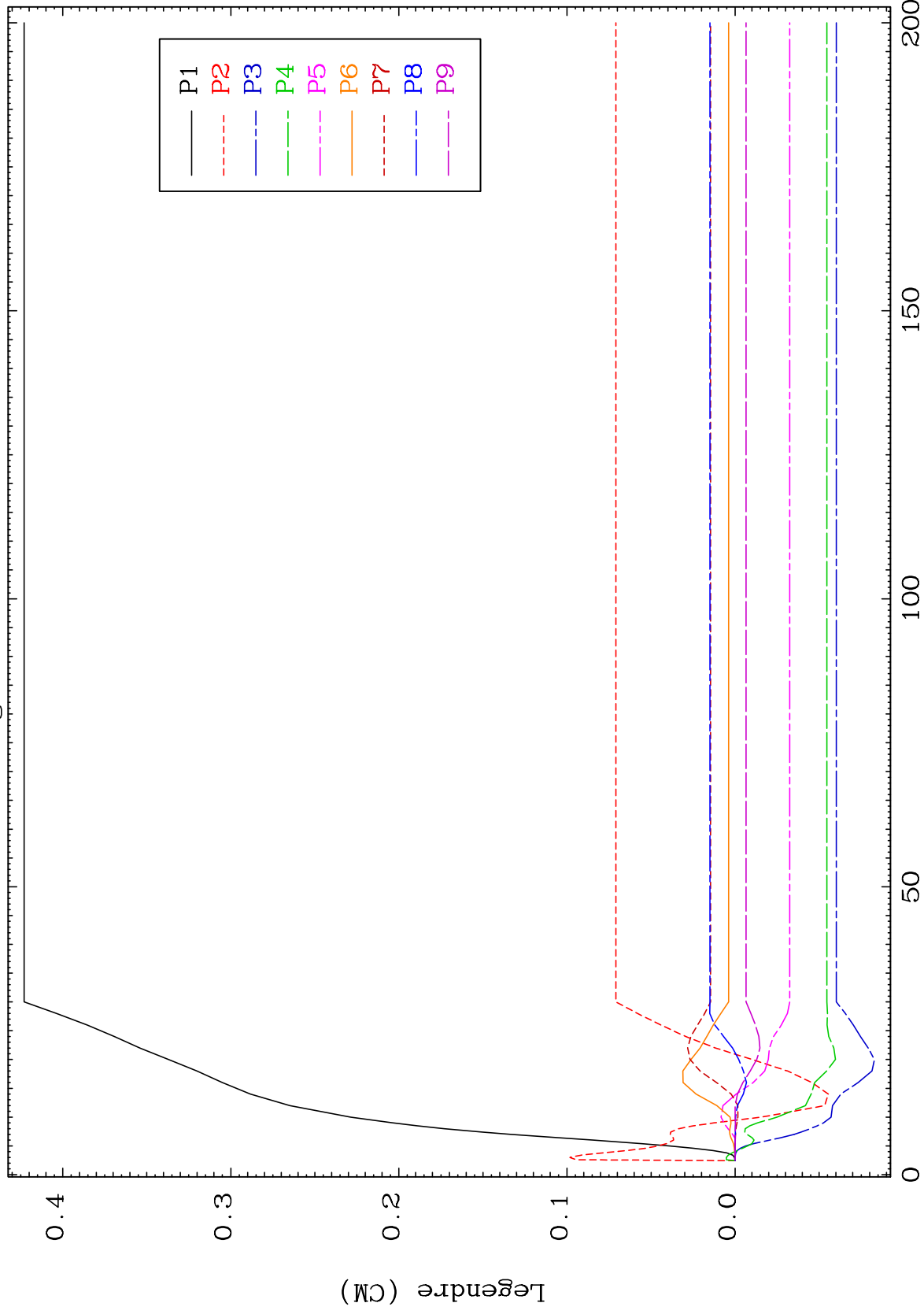




MAT 6404

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

64-Gd-145



81

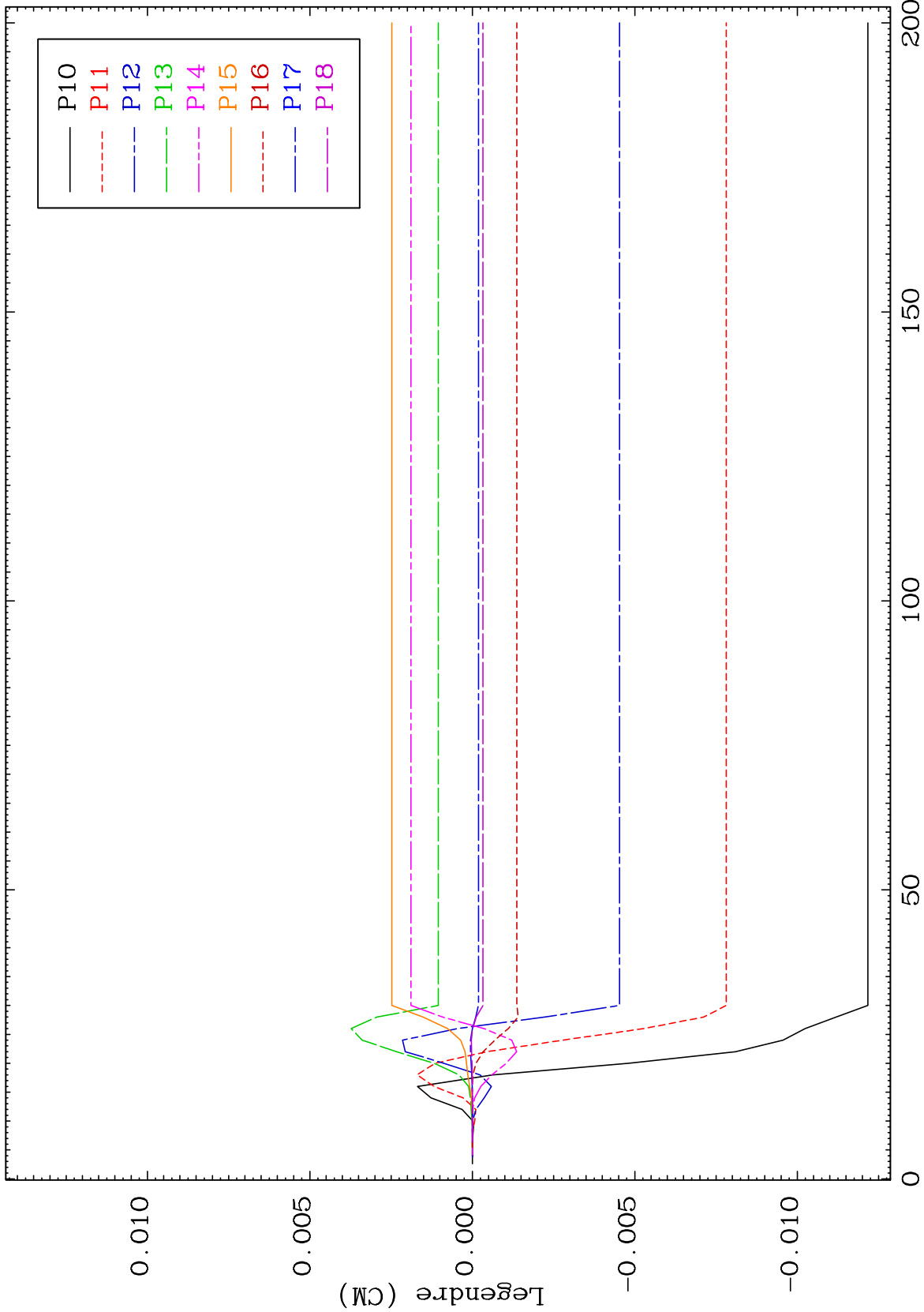
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



82

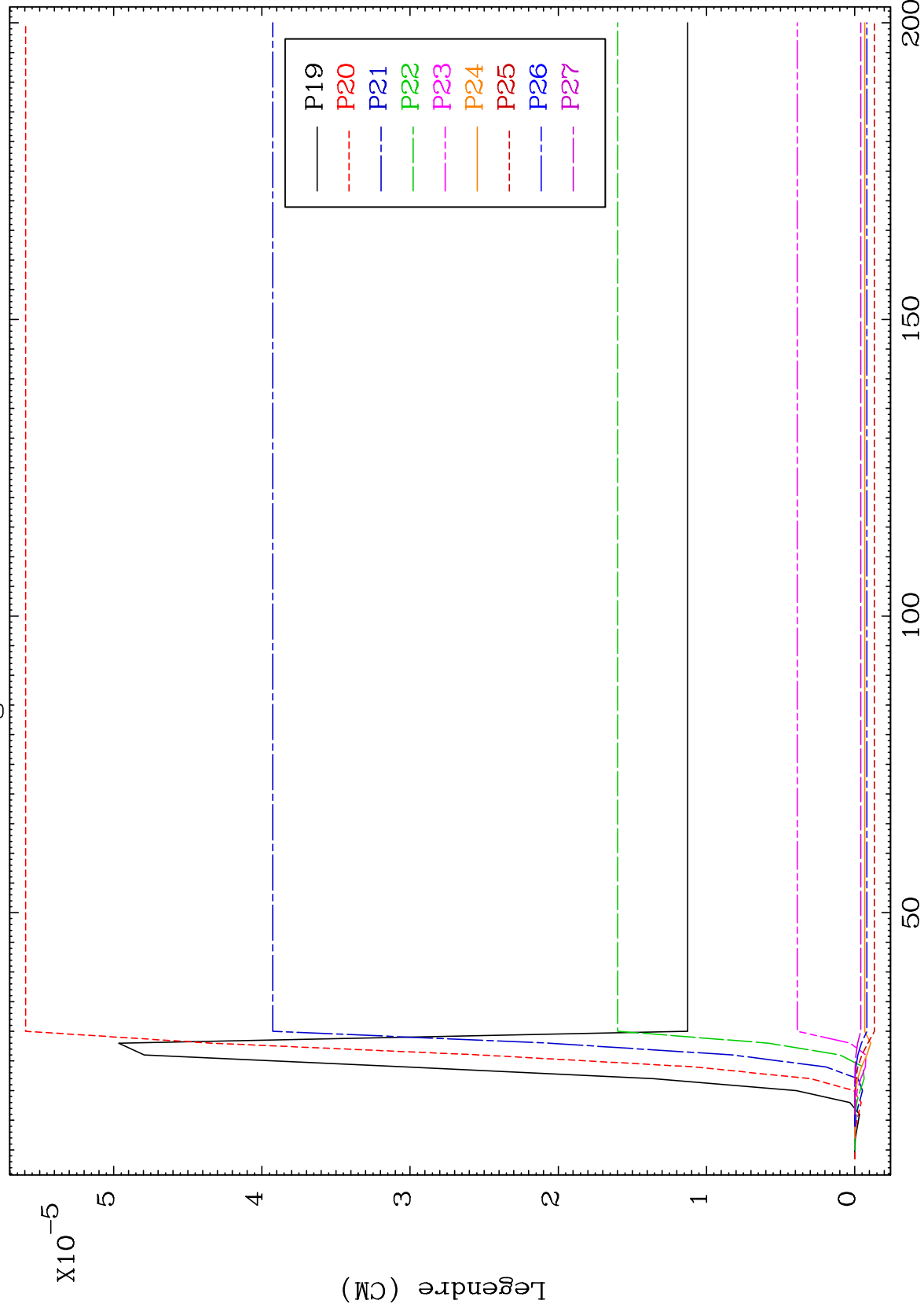
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

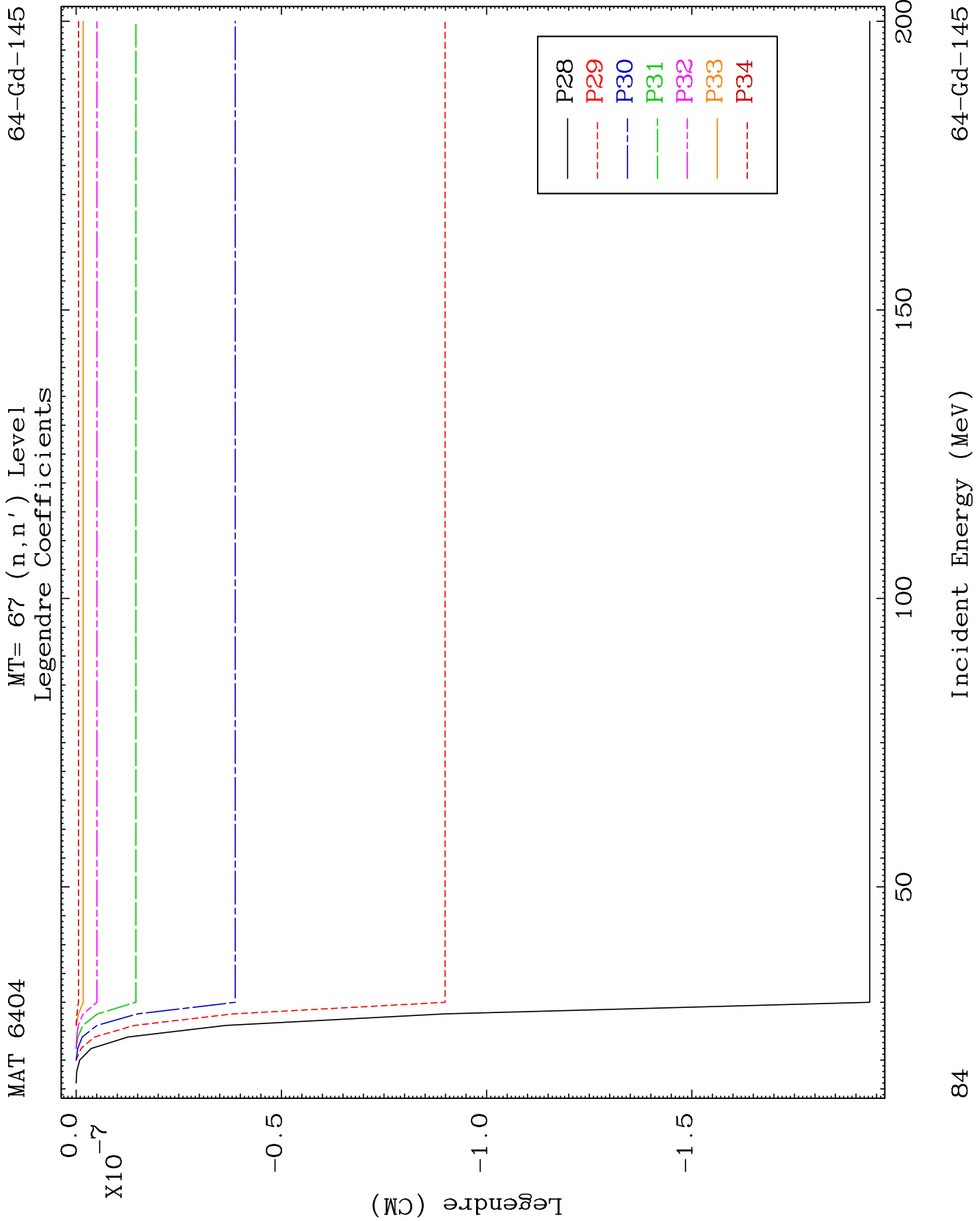
64-Gd-145

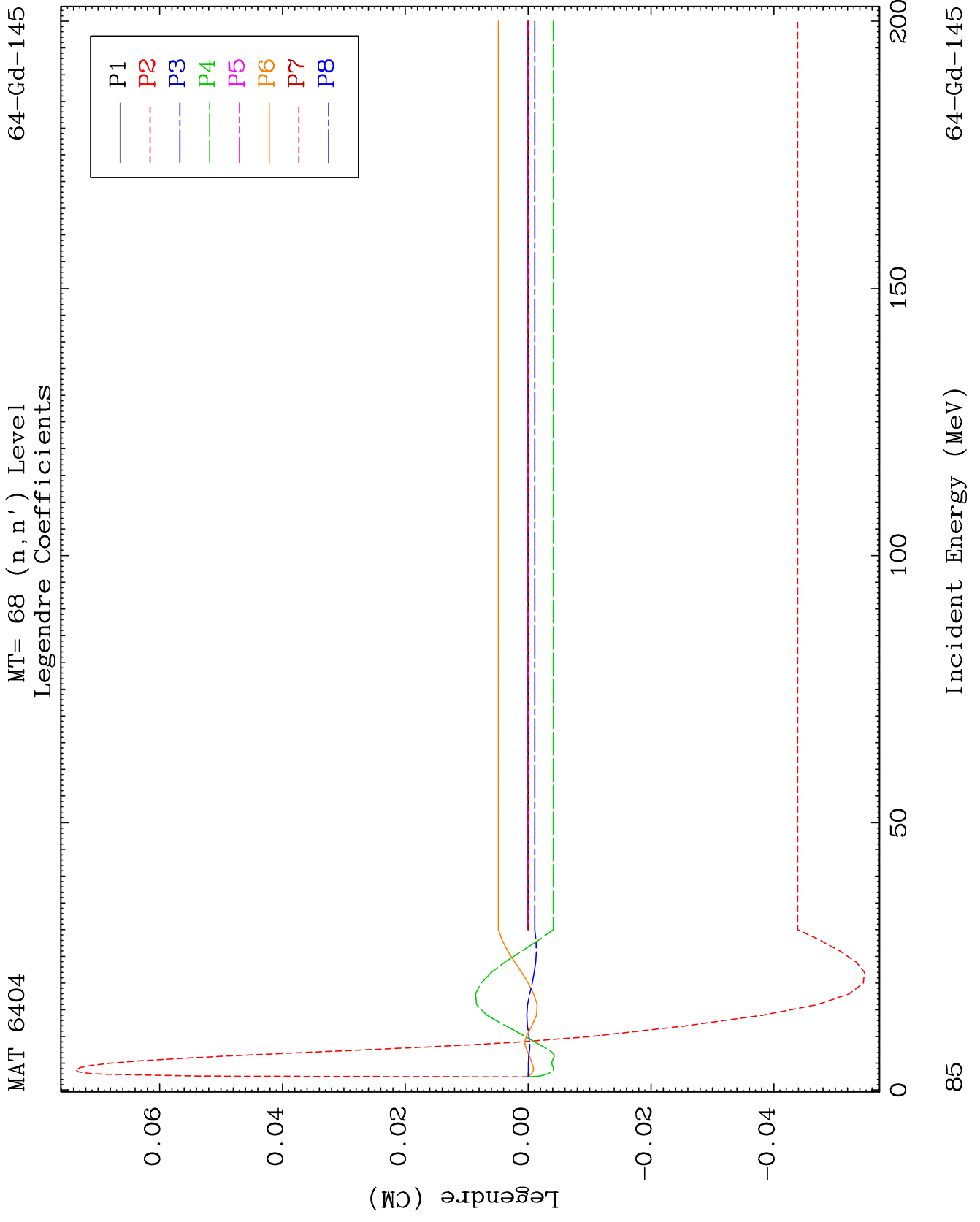


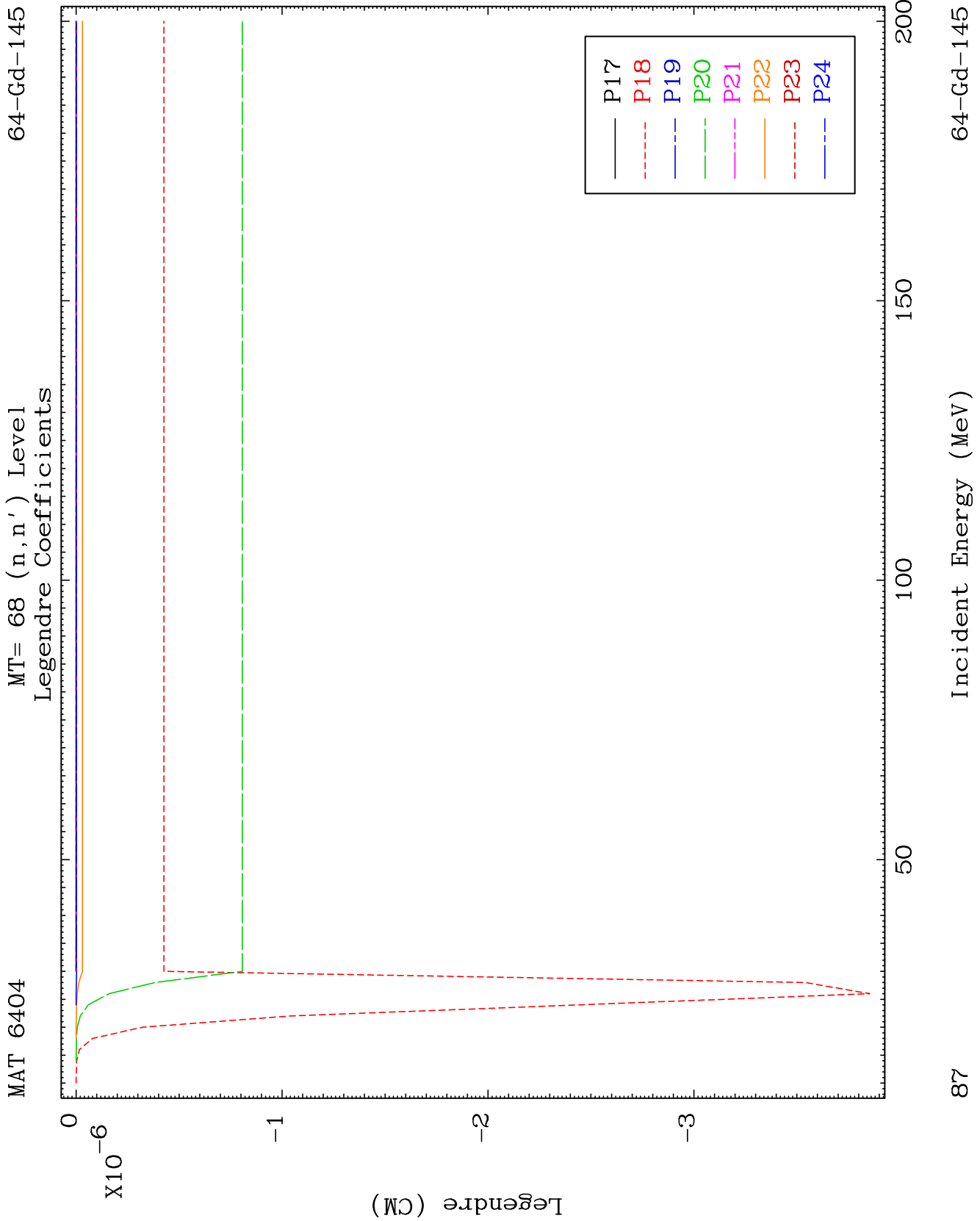
83

Incident Energy (MeV)

64-Gd-145



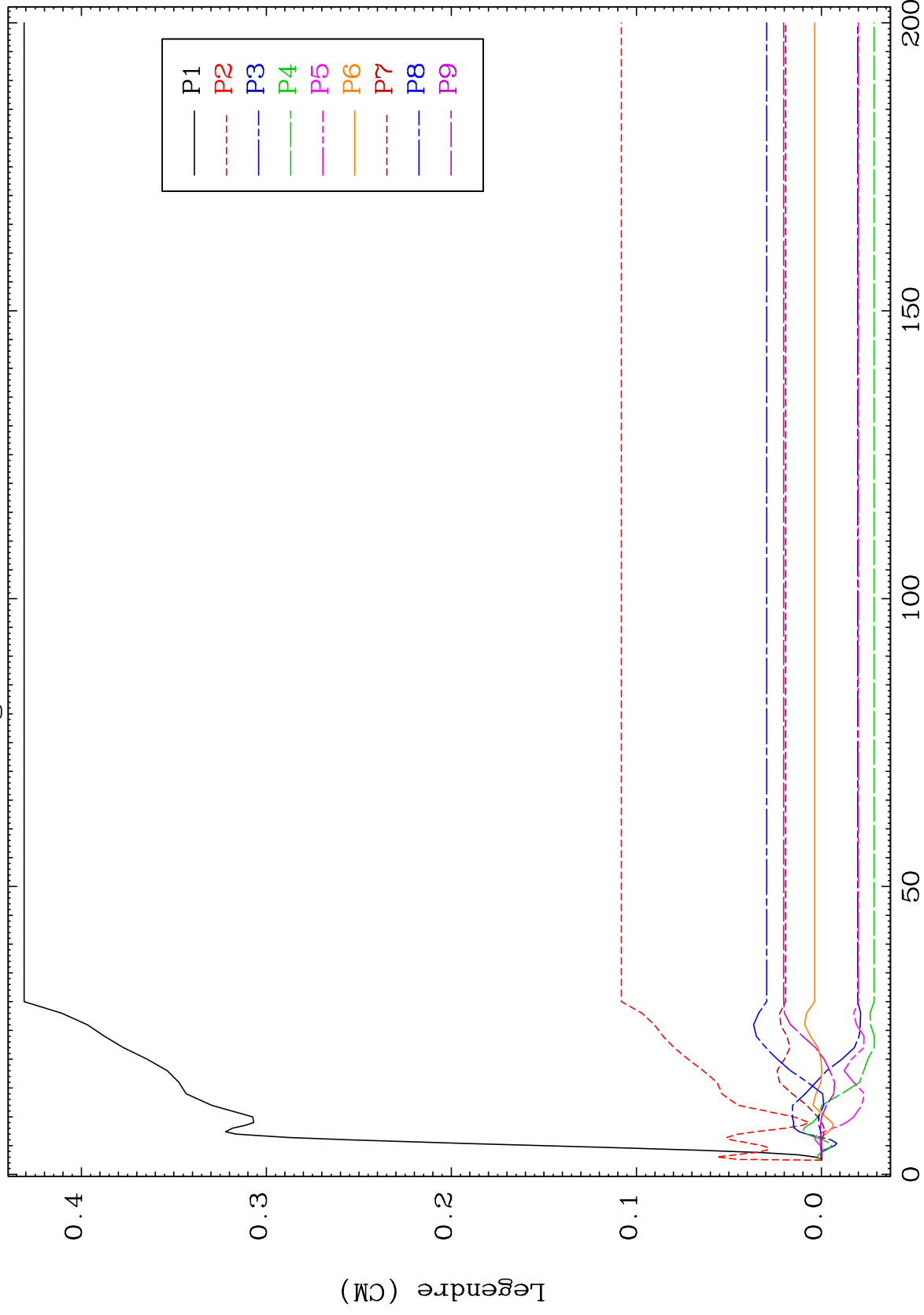




MAT 6404

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

64-Gd-145



88

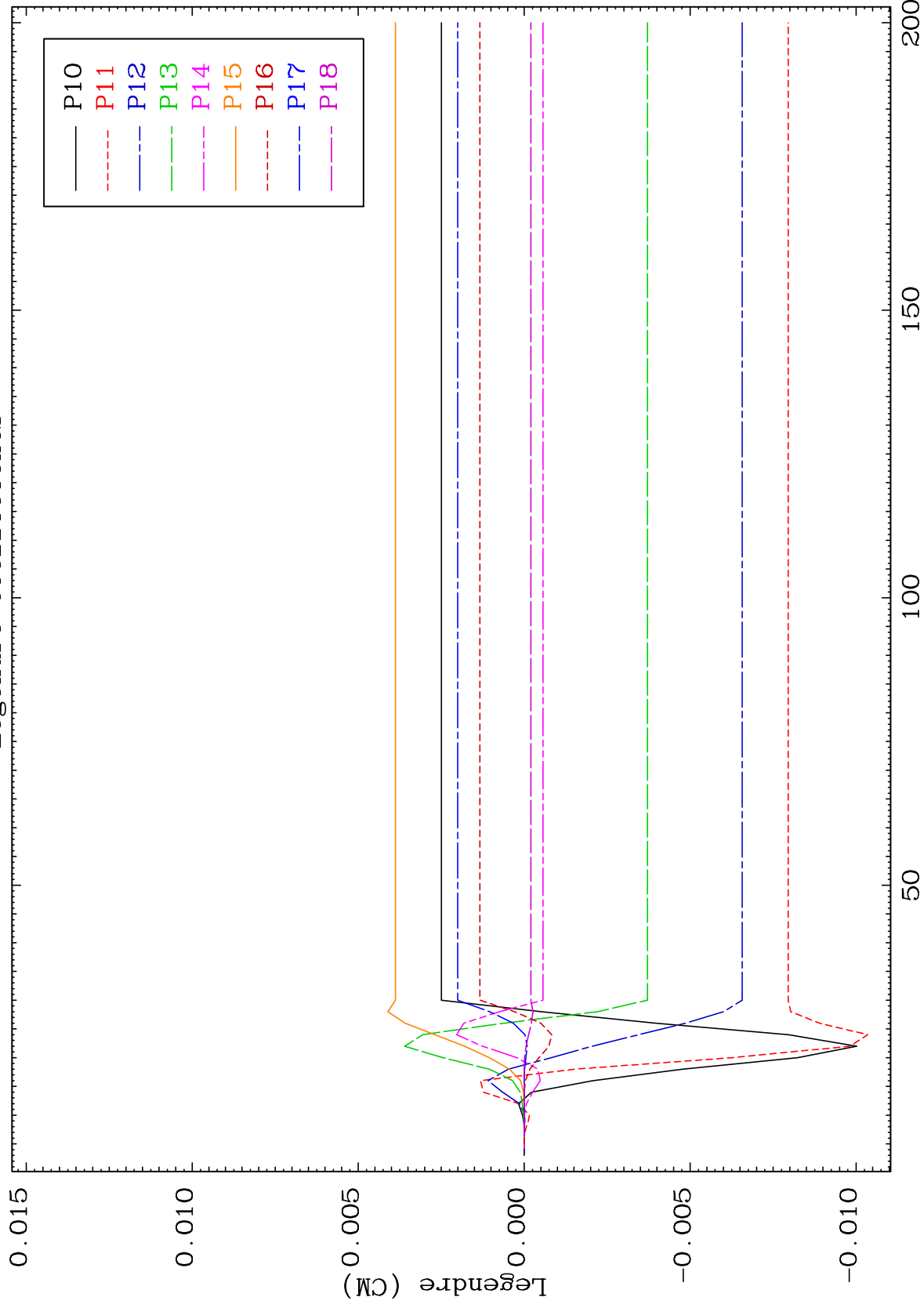
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

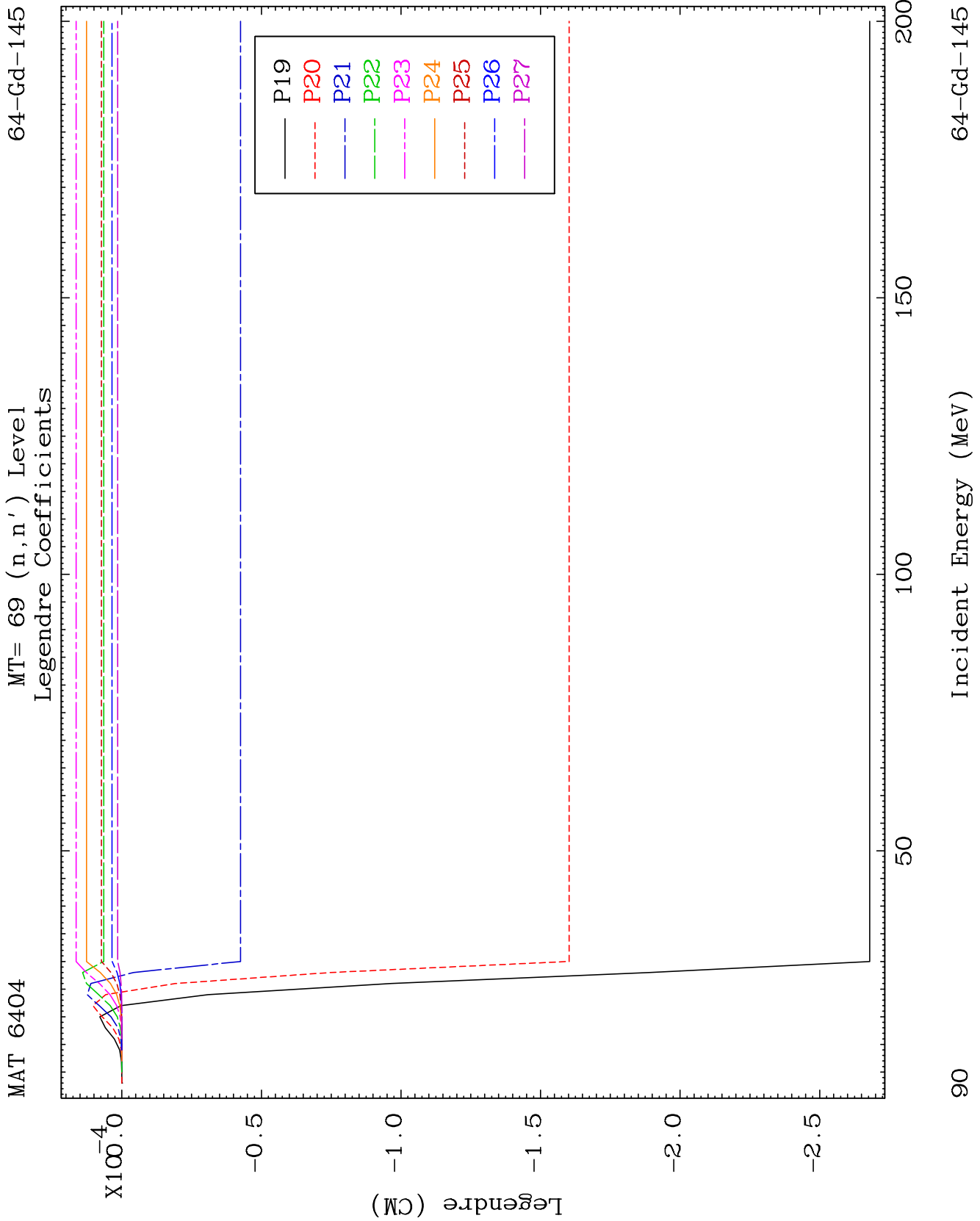
64-Gd-145



89

Incident Energy (MeV)

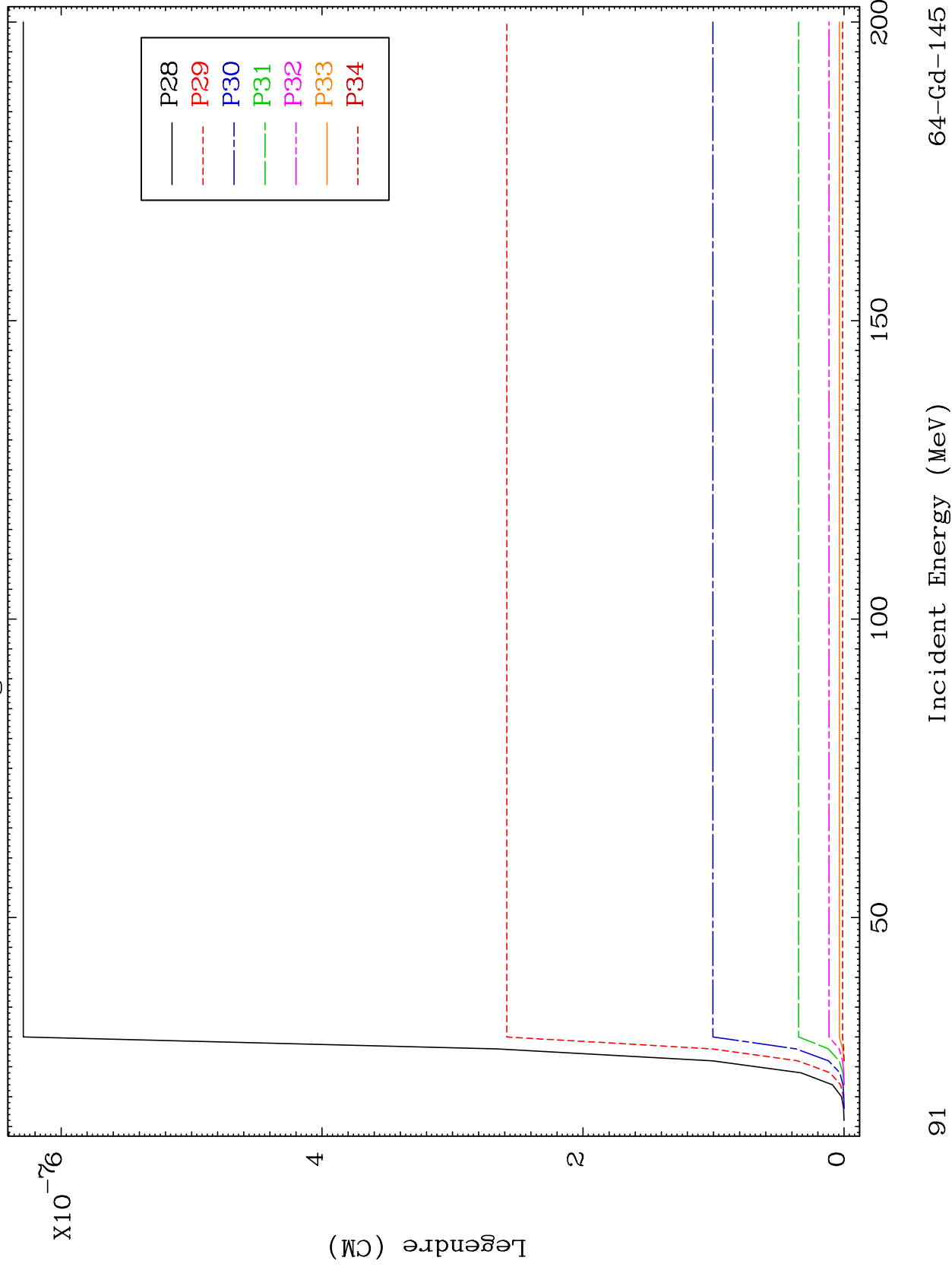
64-Gd-145



MAT 6404

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

64-Gd-145

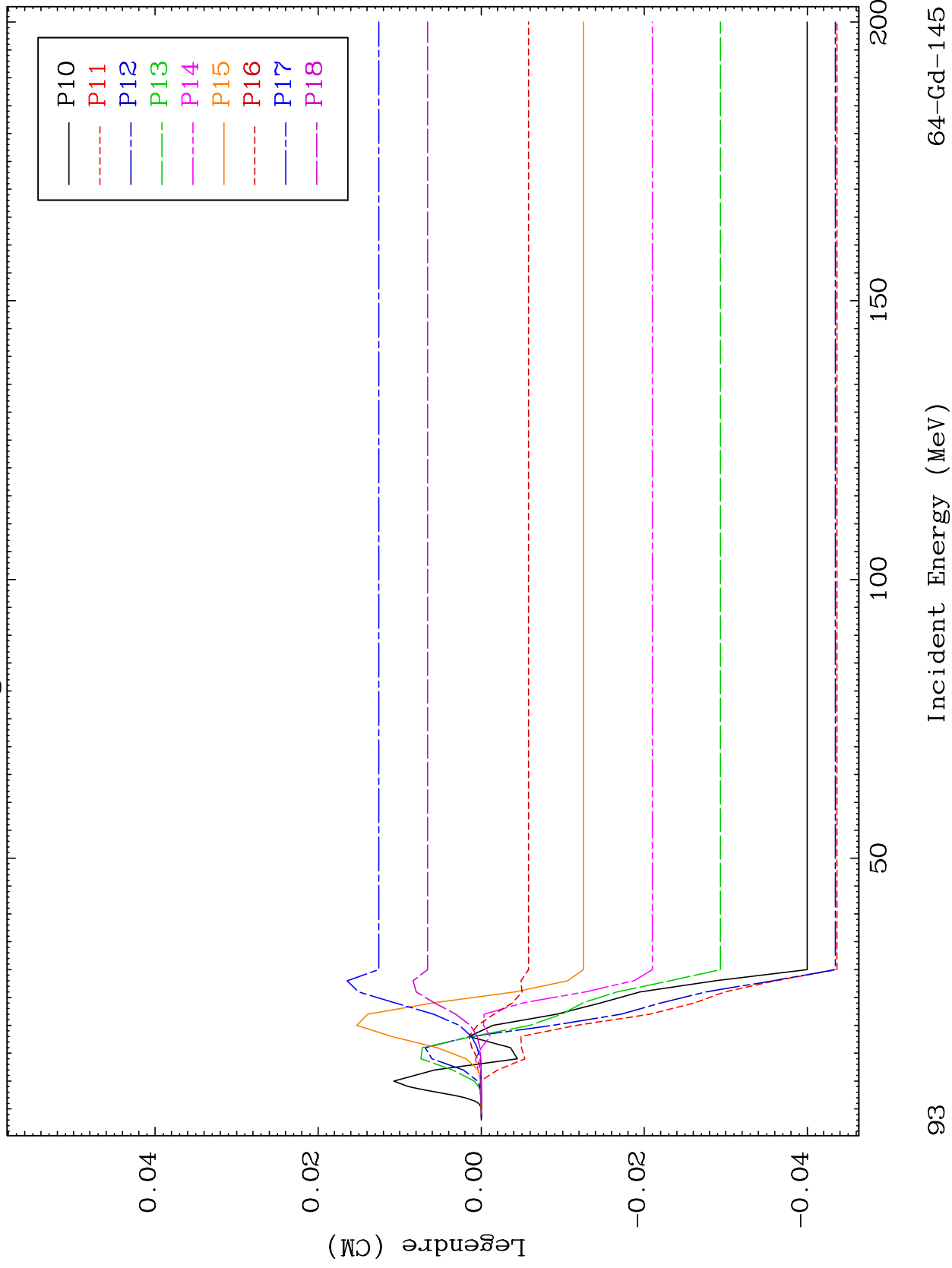


91

MAT 6404

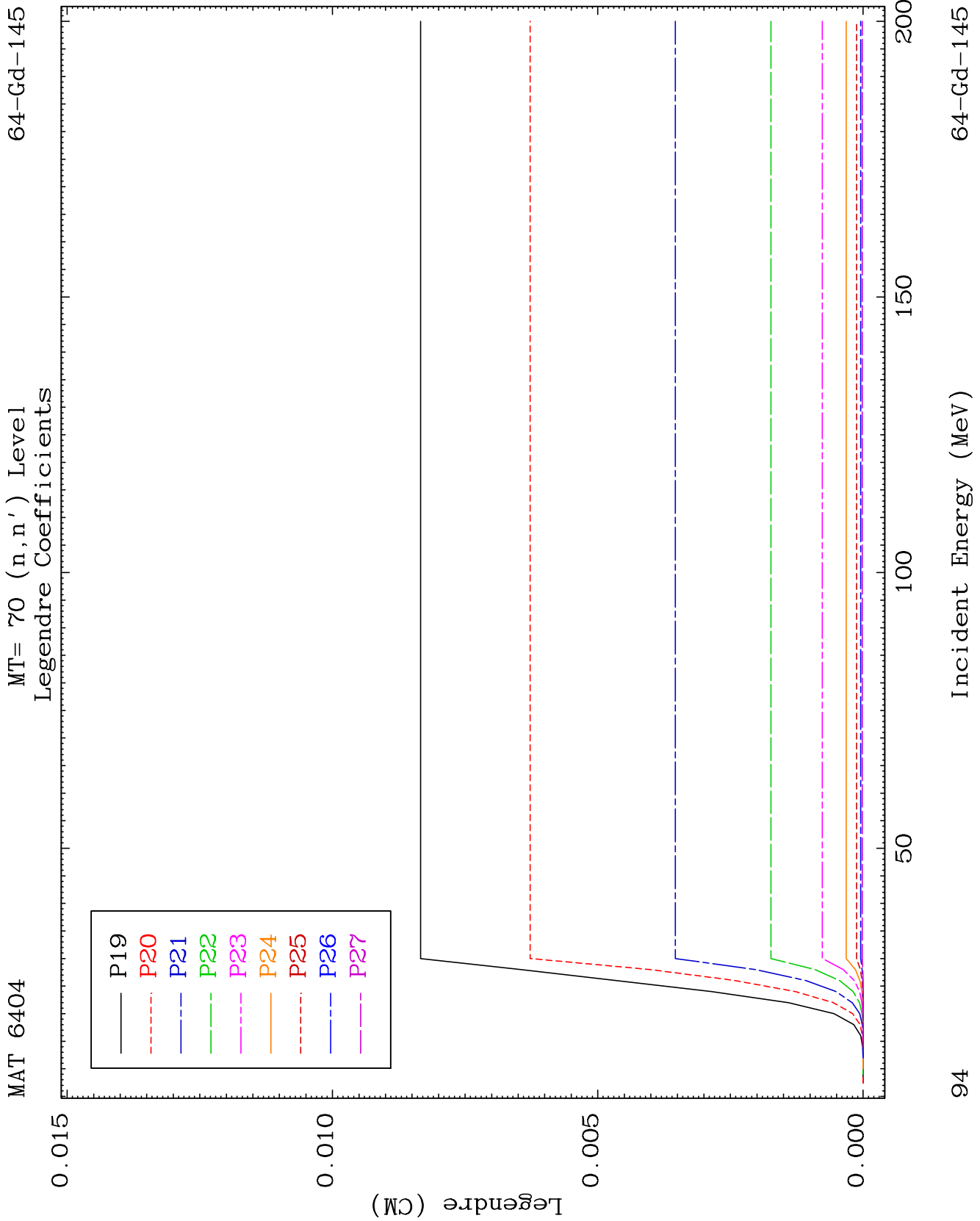
MT= 70 (n,n') Level
Legendre Coefficients

64-Gd-145



93

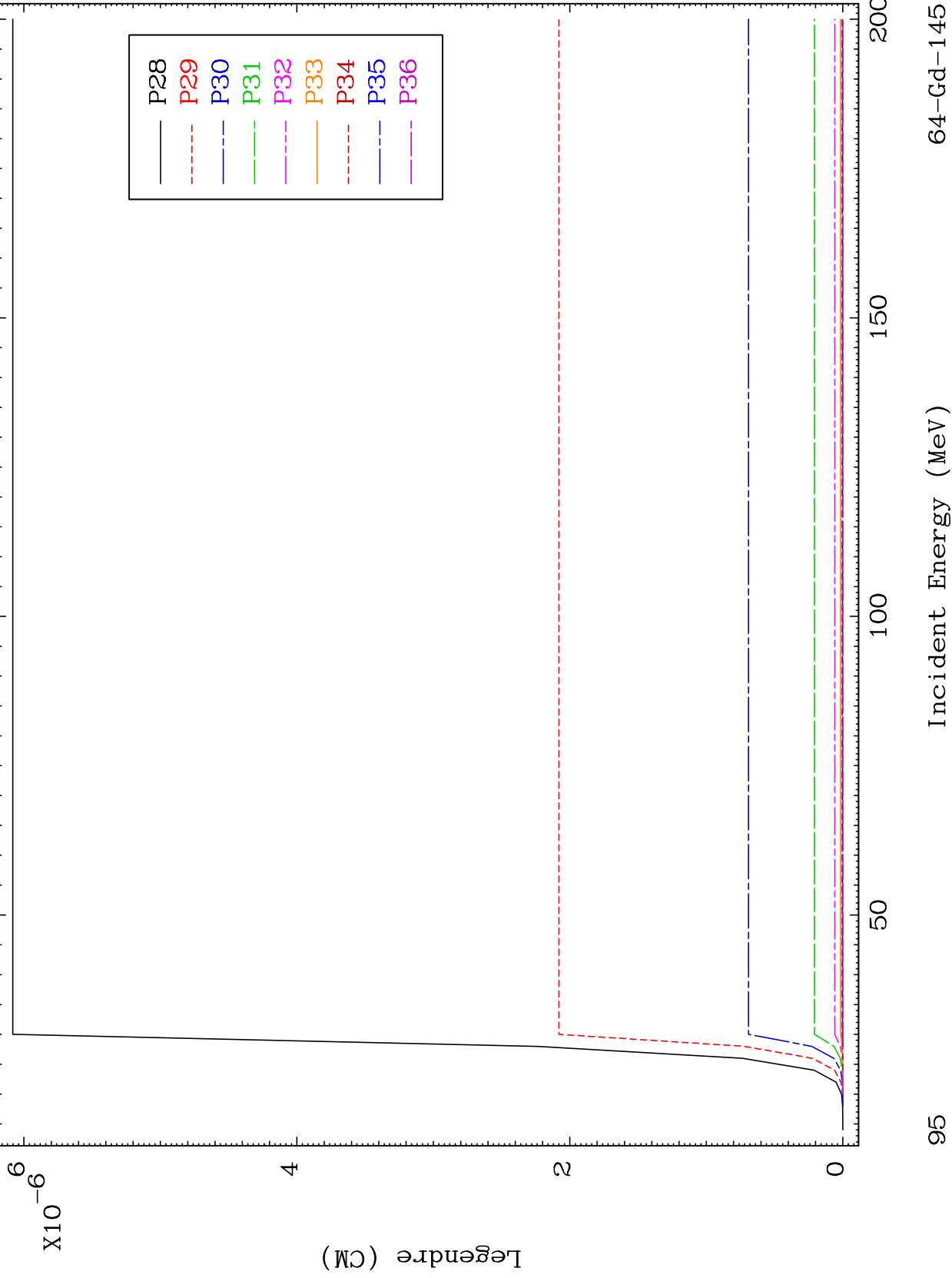
64-Gd-145



MAT 6404

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

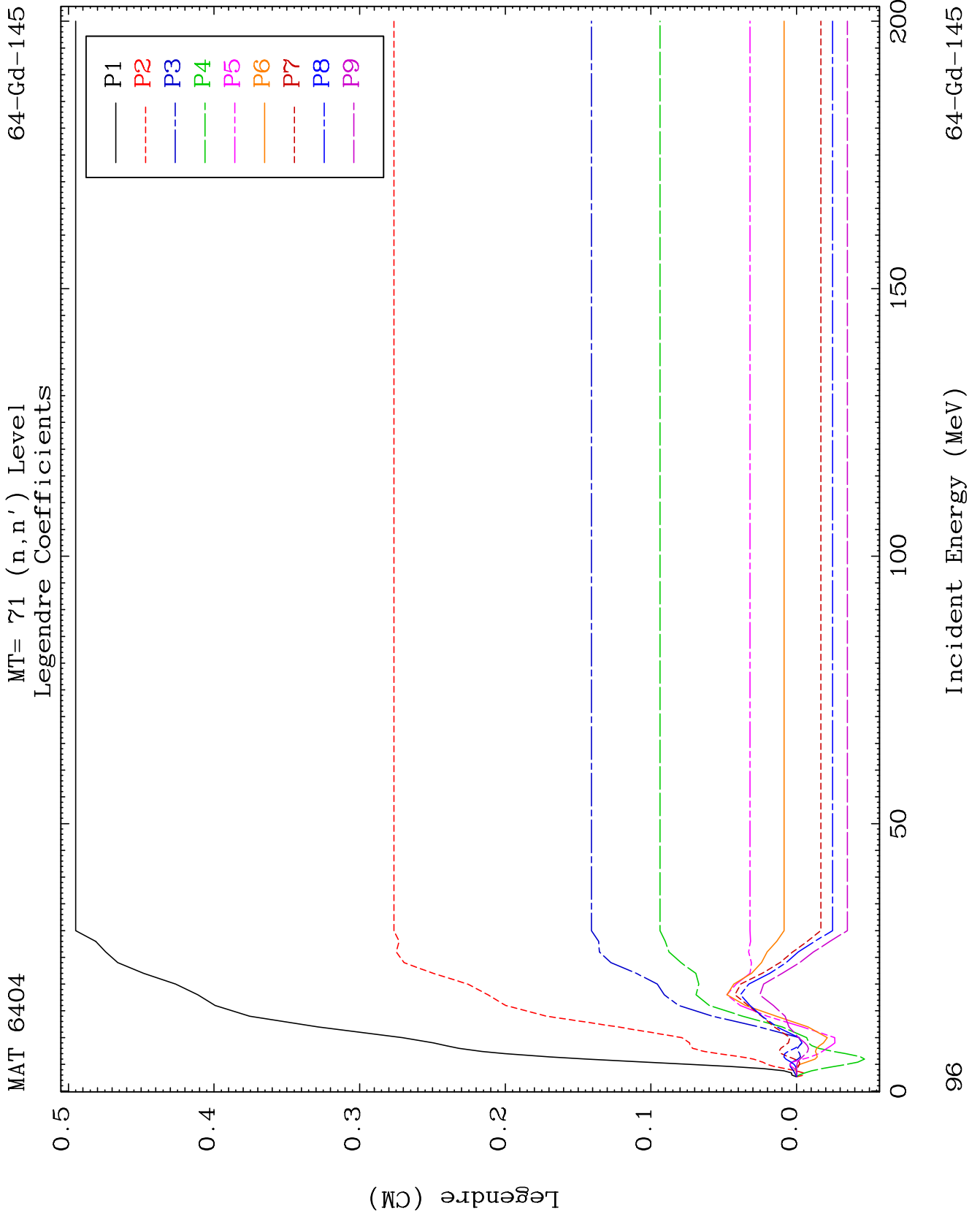
64-Gd-145



95

Incident Energy (MeV)

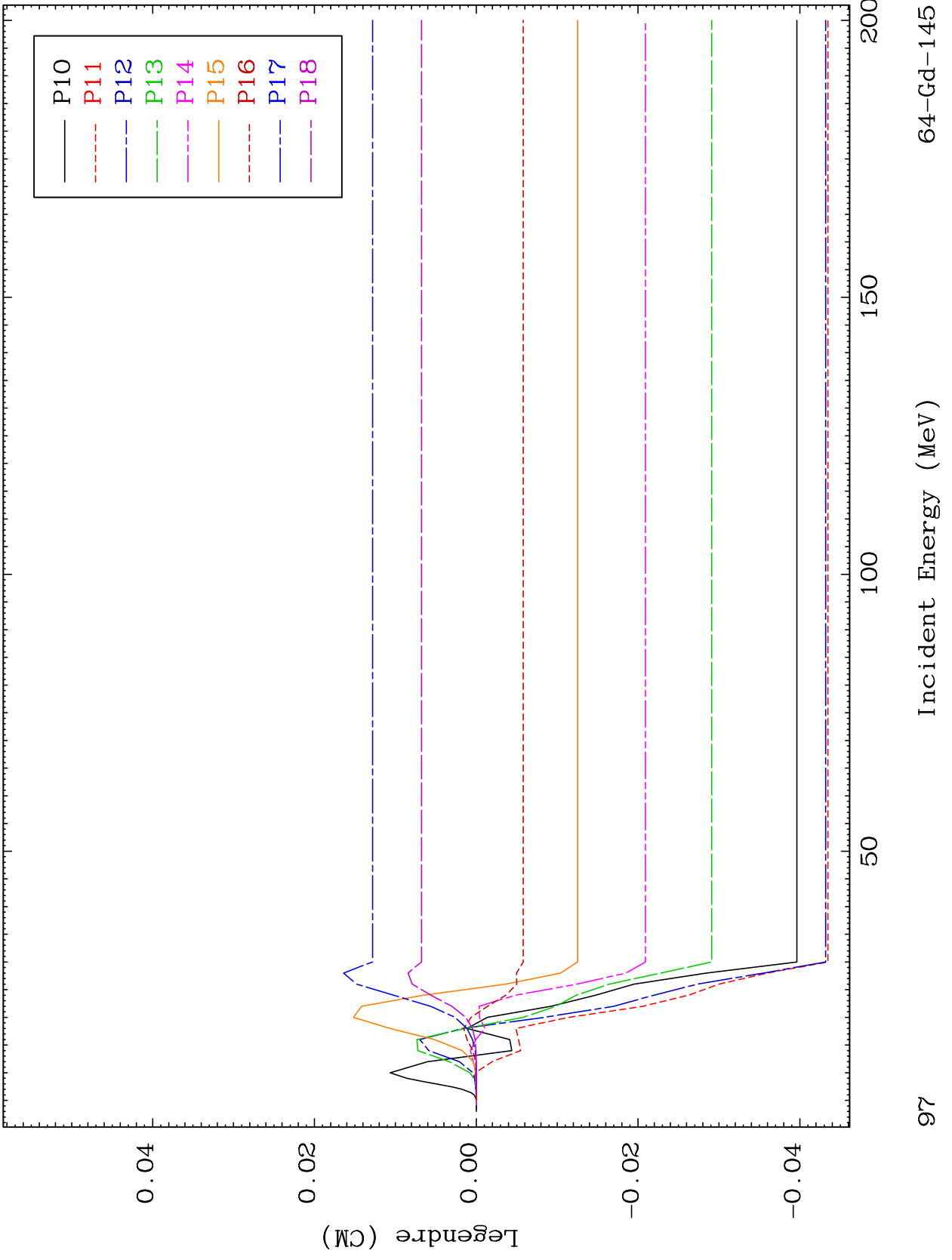
64-Gd-145



MAT 6404

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

64-Gd-145



97

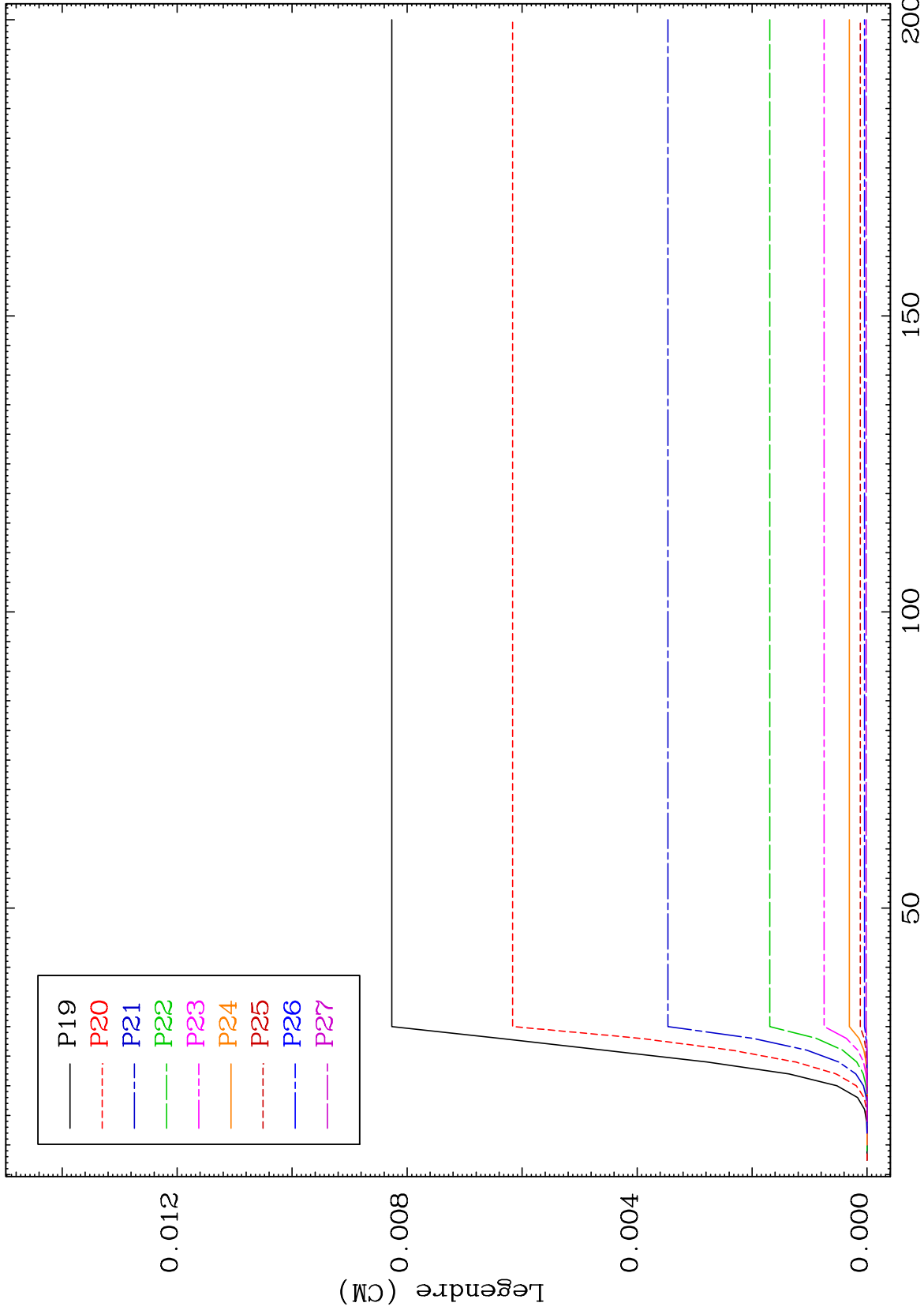
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



98

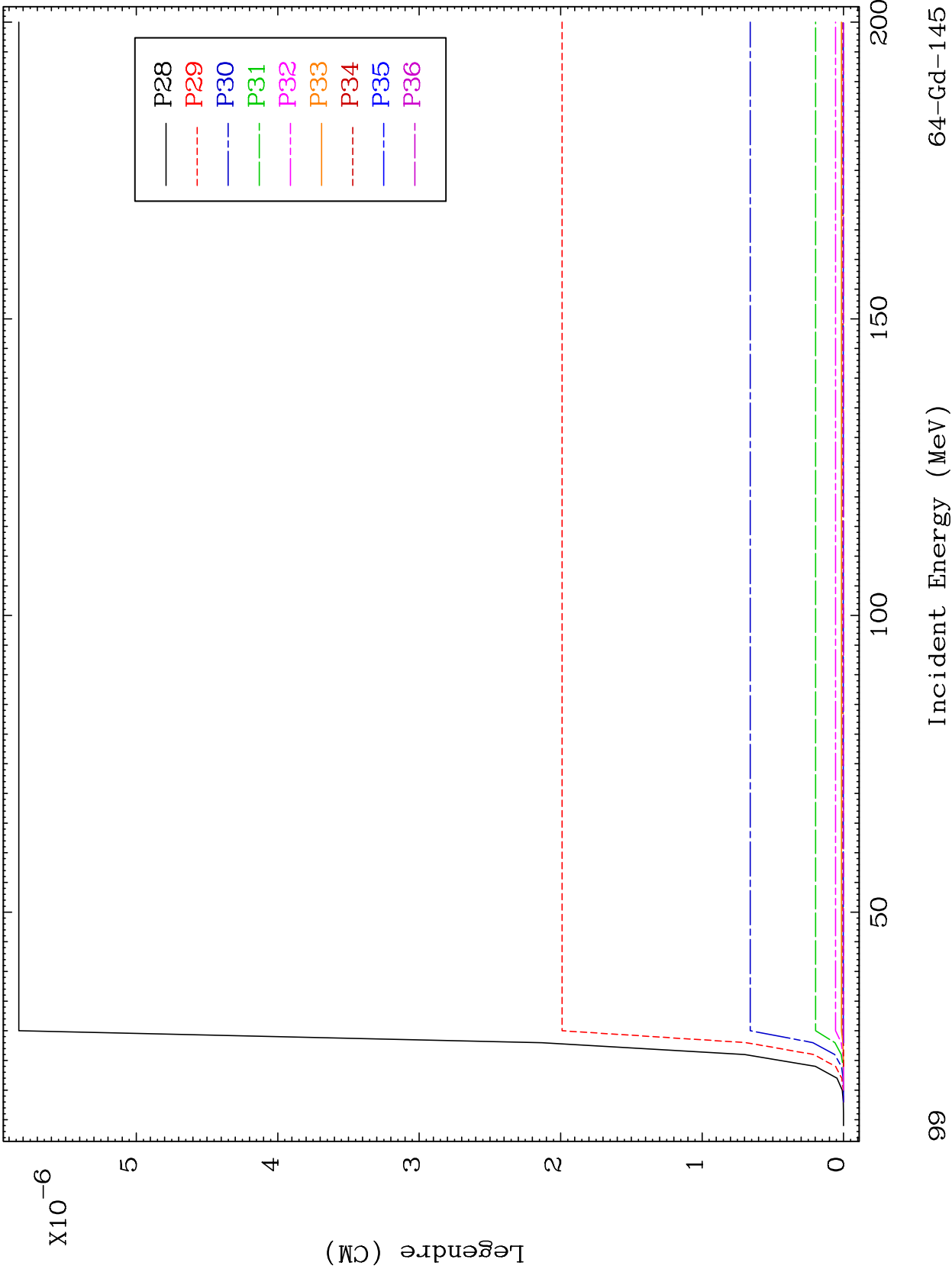
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

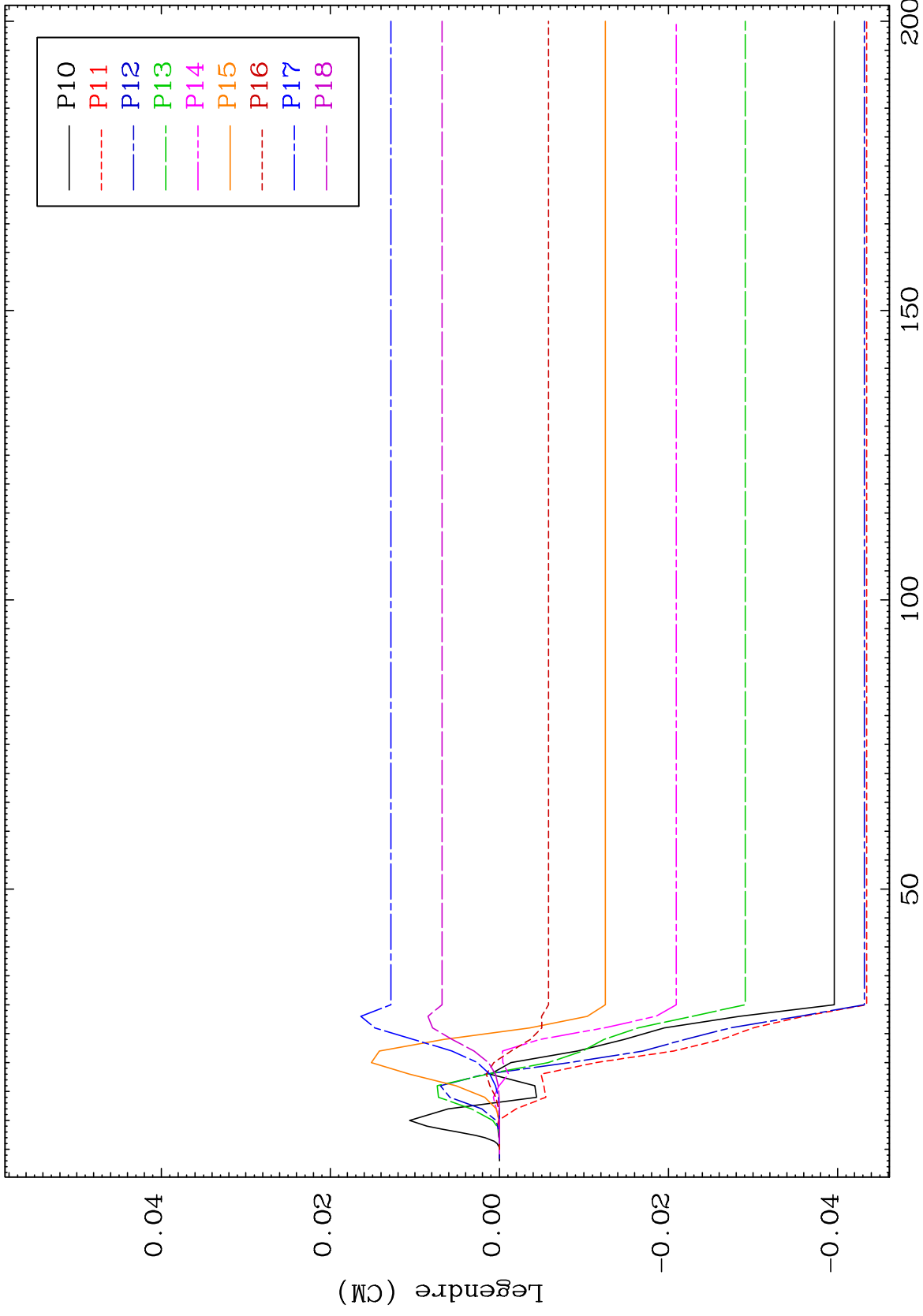
64-Gd-145



MAT 6404

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

64-Gd-145



101

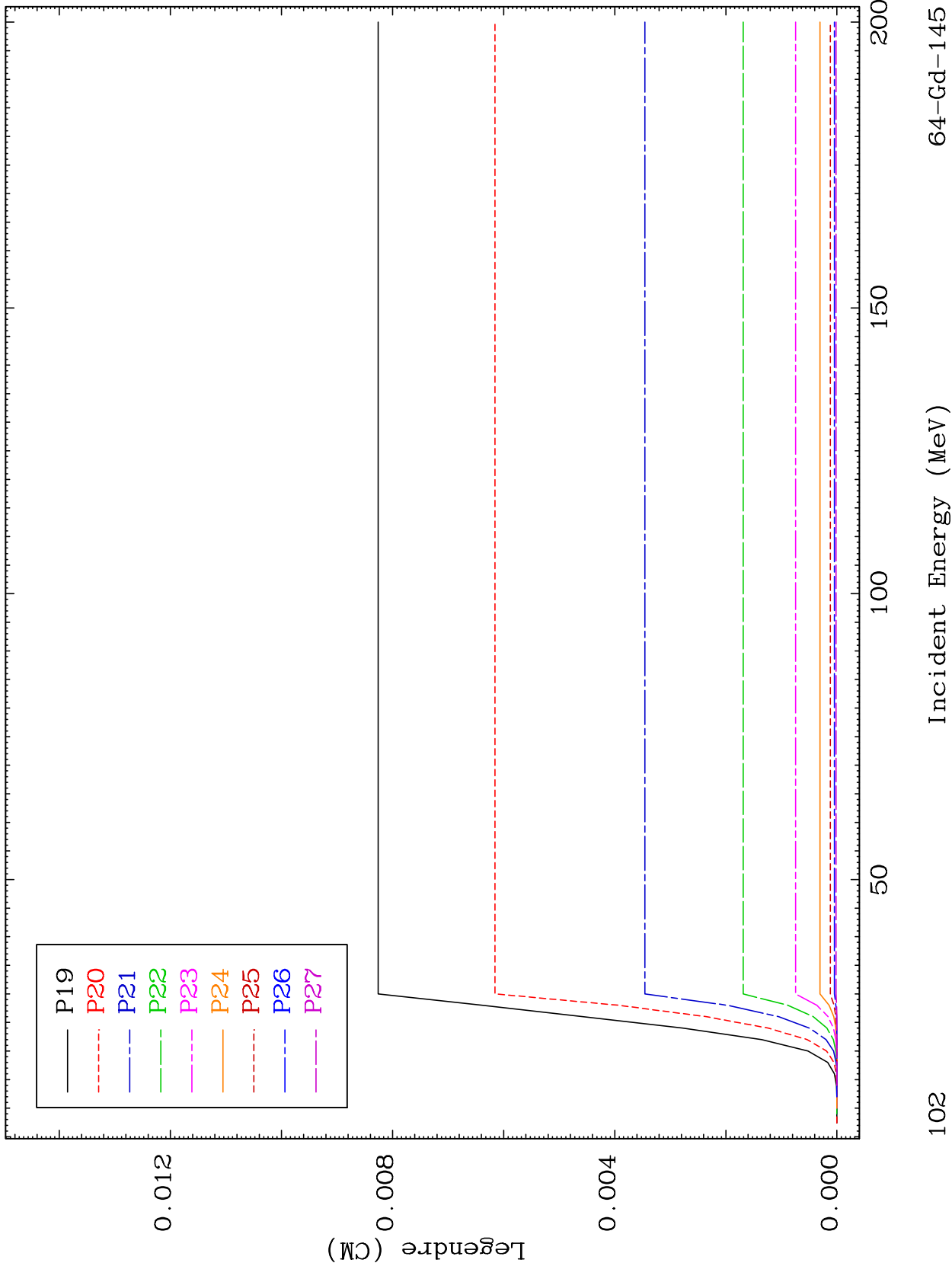
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



102

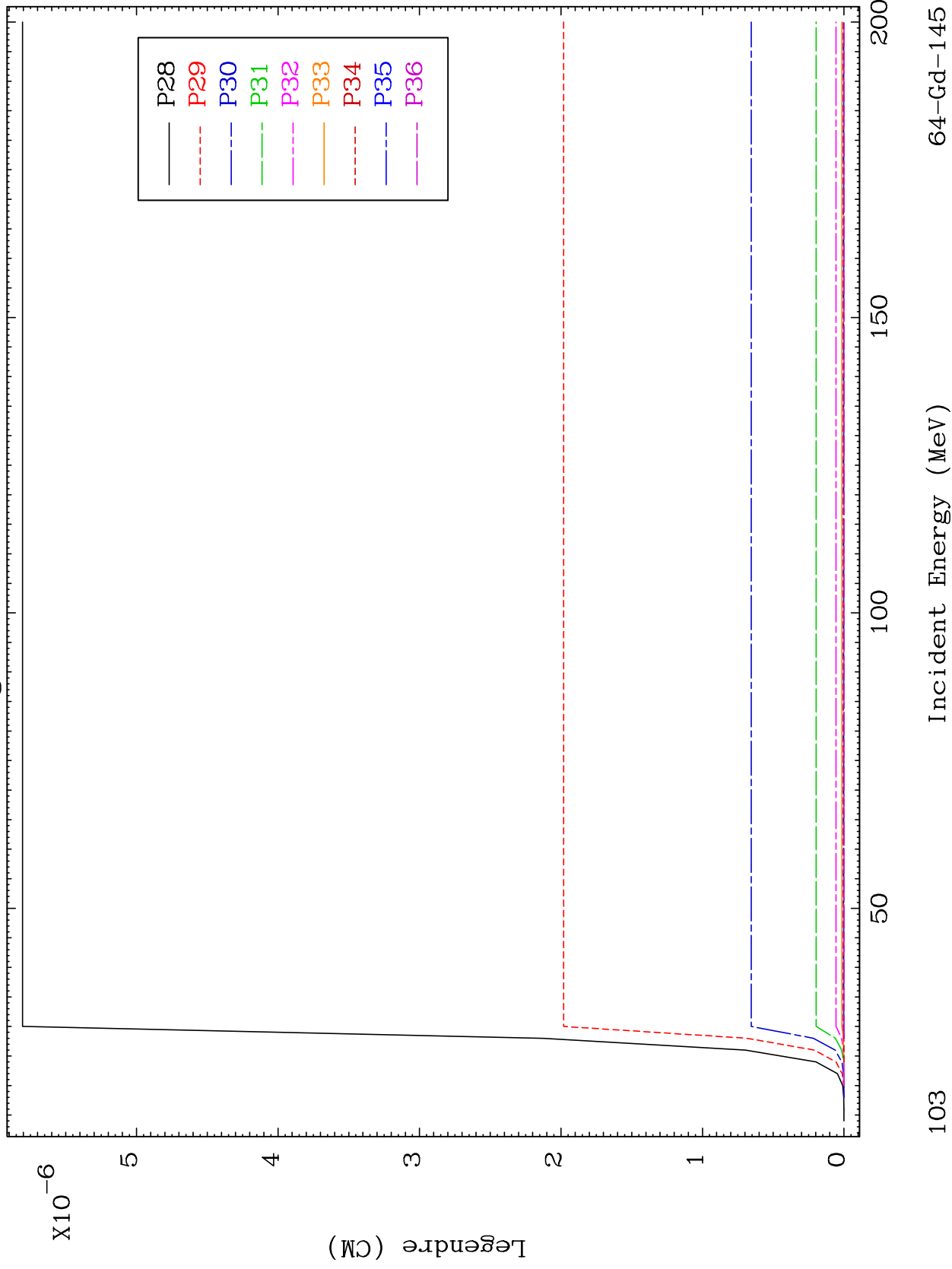
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145

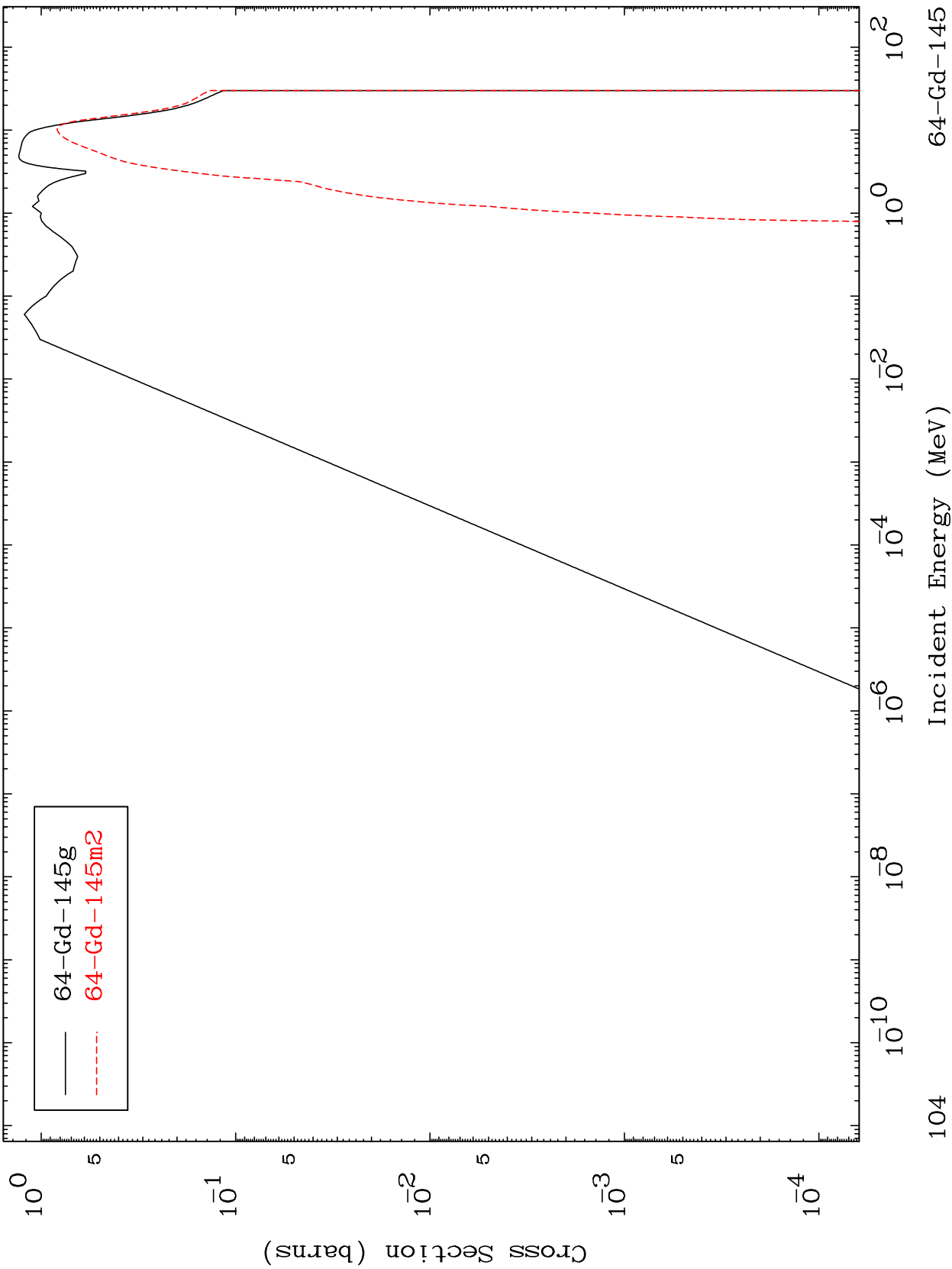


103

MAT 6404

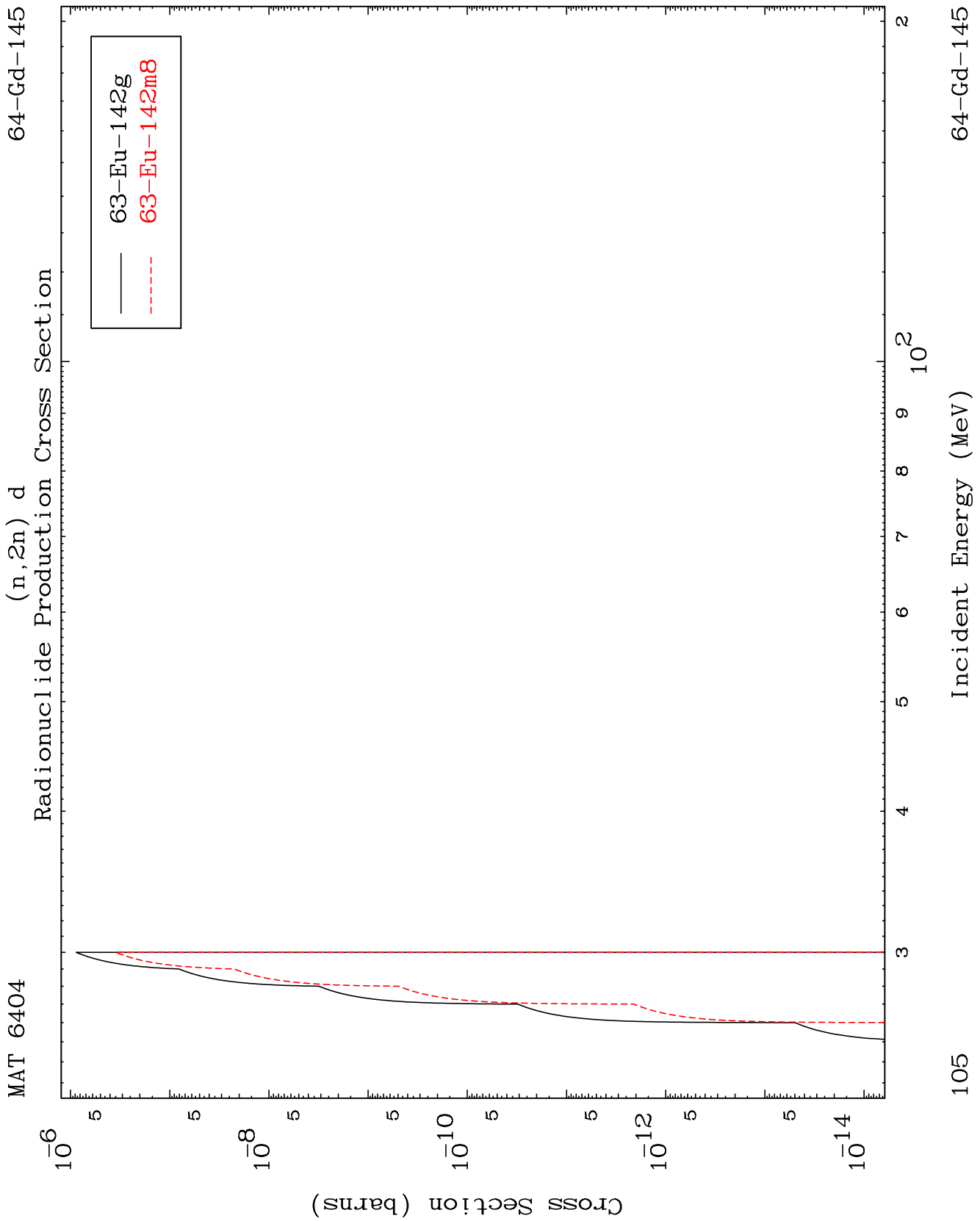
64-Gd-145

Inelastic
Radionuclide Production Cross Section



104

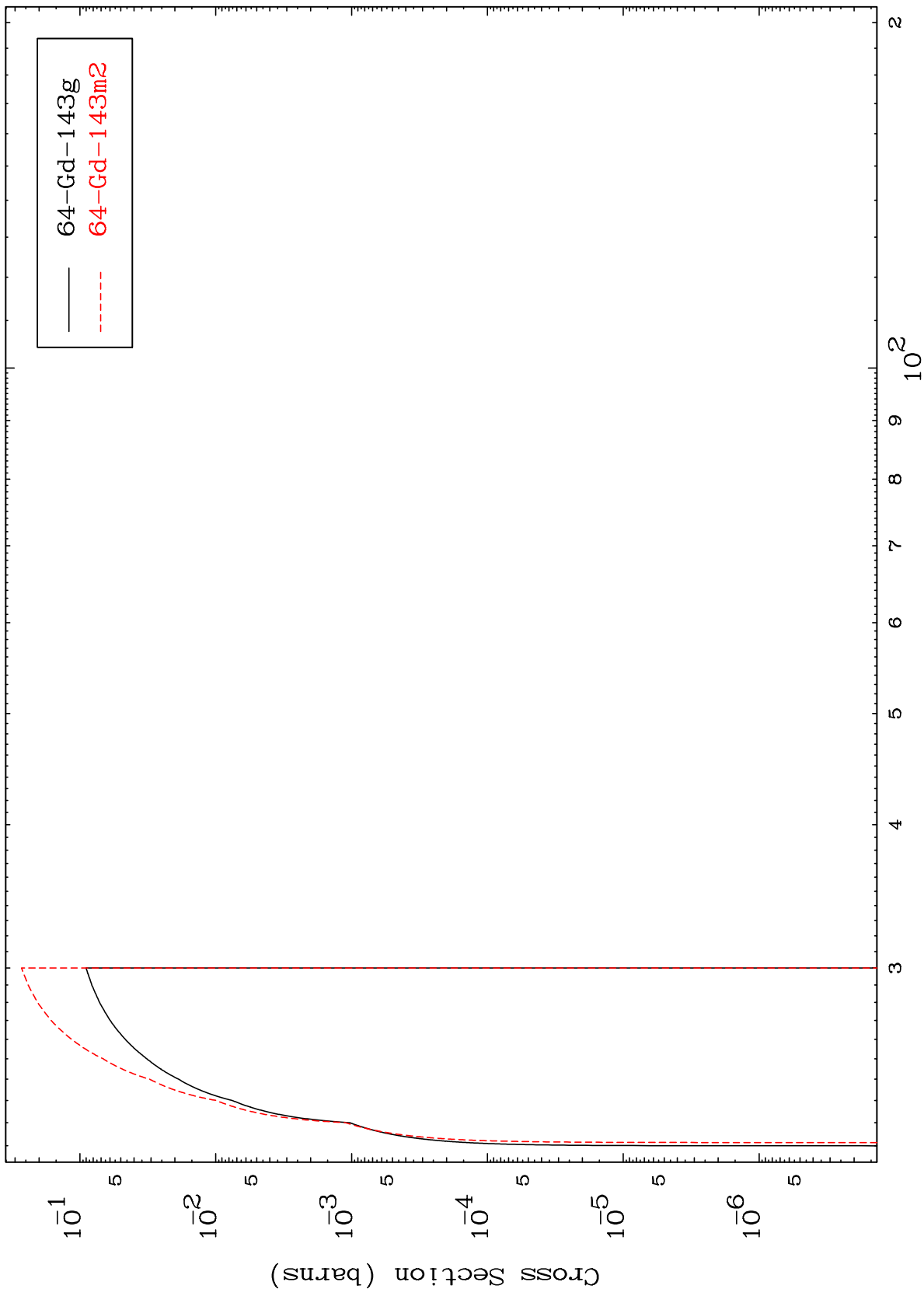
64-Gd-145



MAT 6404

64-Gd-145

(n,3n)
Radionuclide Production Cross Section



106

Incident Energy (MeV)

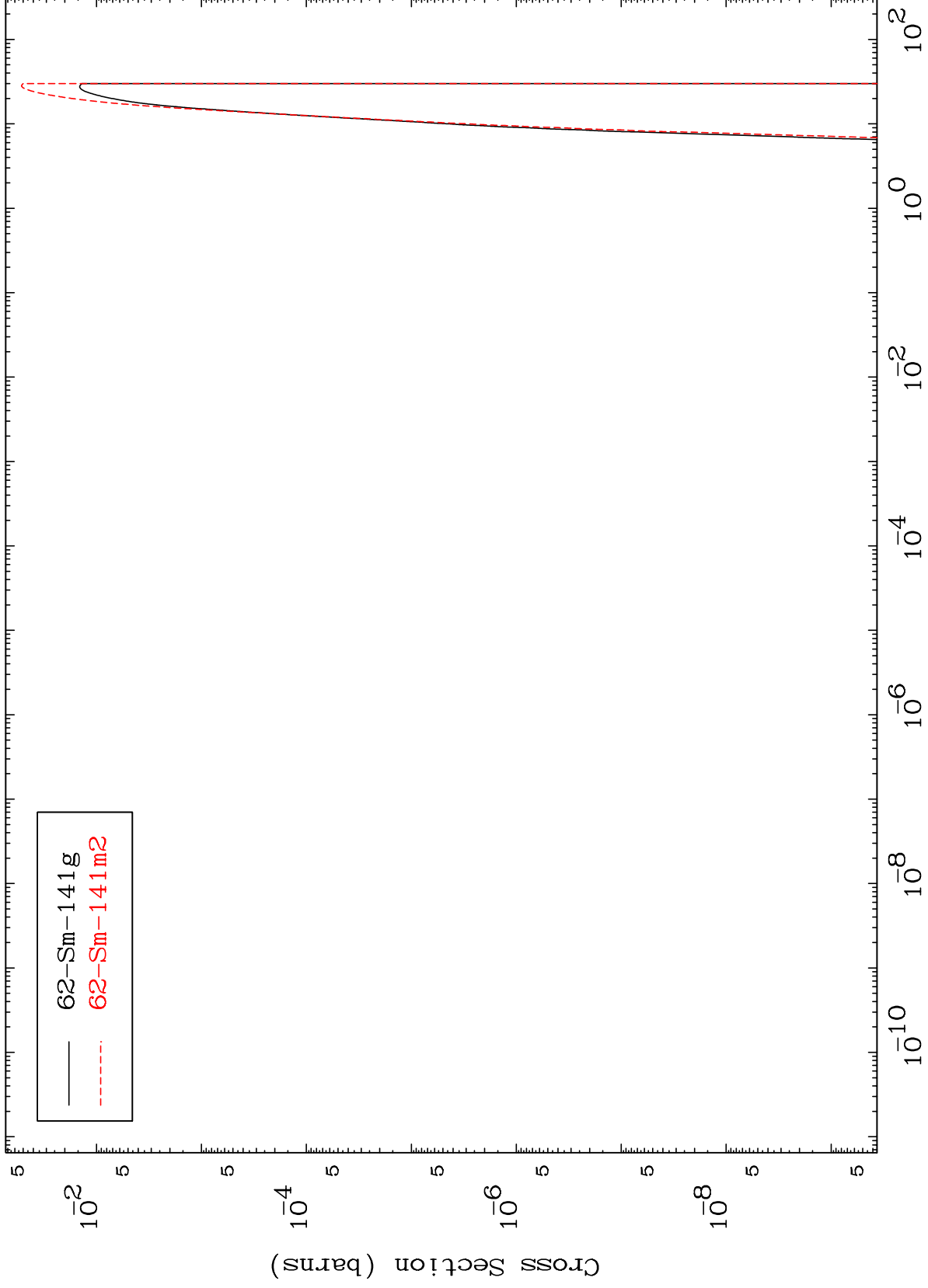
64-Gd-145

MAT 6404

(n, n') α

64-Gd-145

Radionuclide Production Cross Section



107

Incident Energy (MeV)

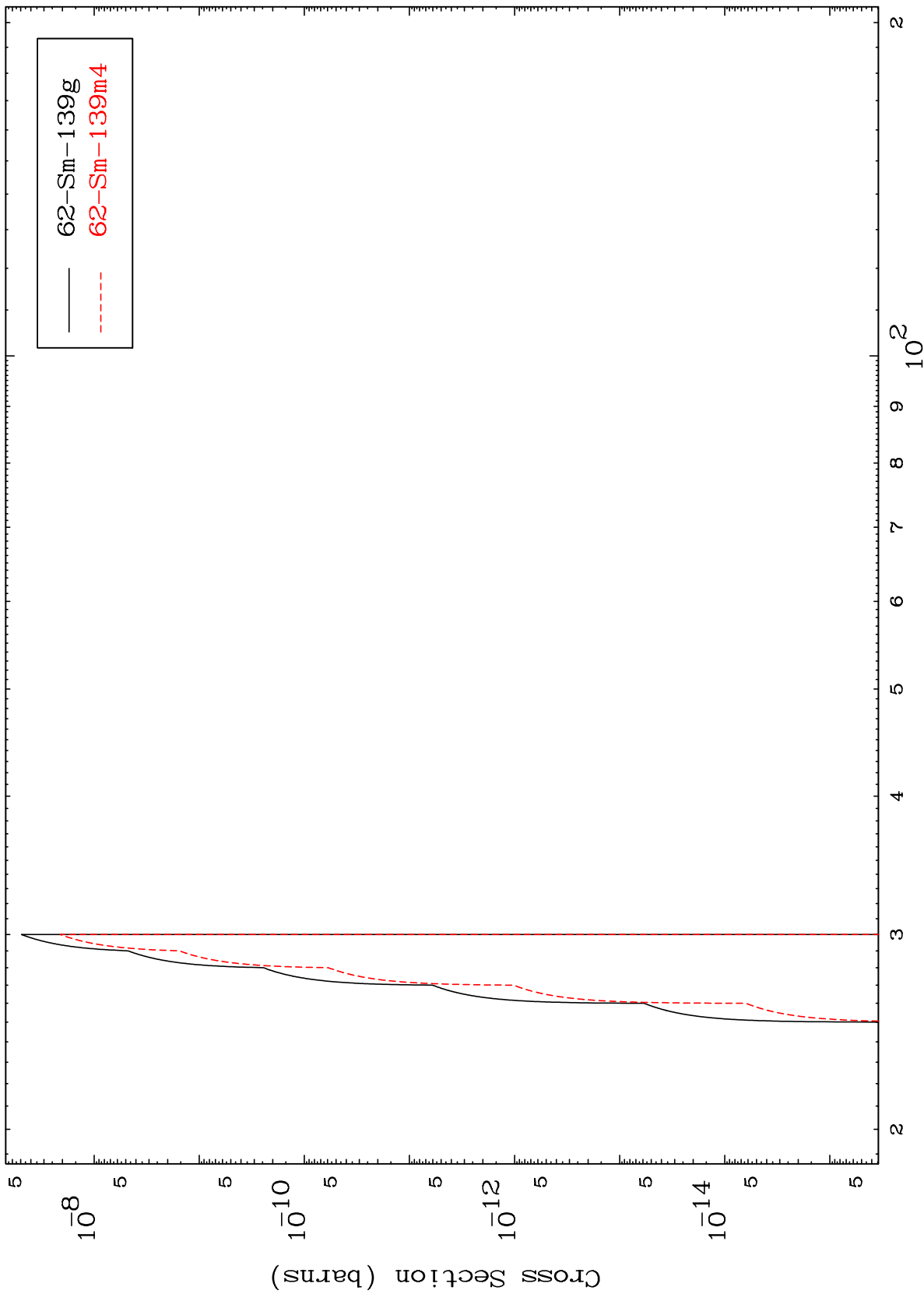
64-Gd-145

MAT 6404

(n,3n) α

64-Gd-145

Radionuclide Production Cross Section



108

Incident Energy (MeV)

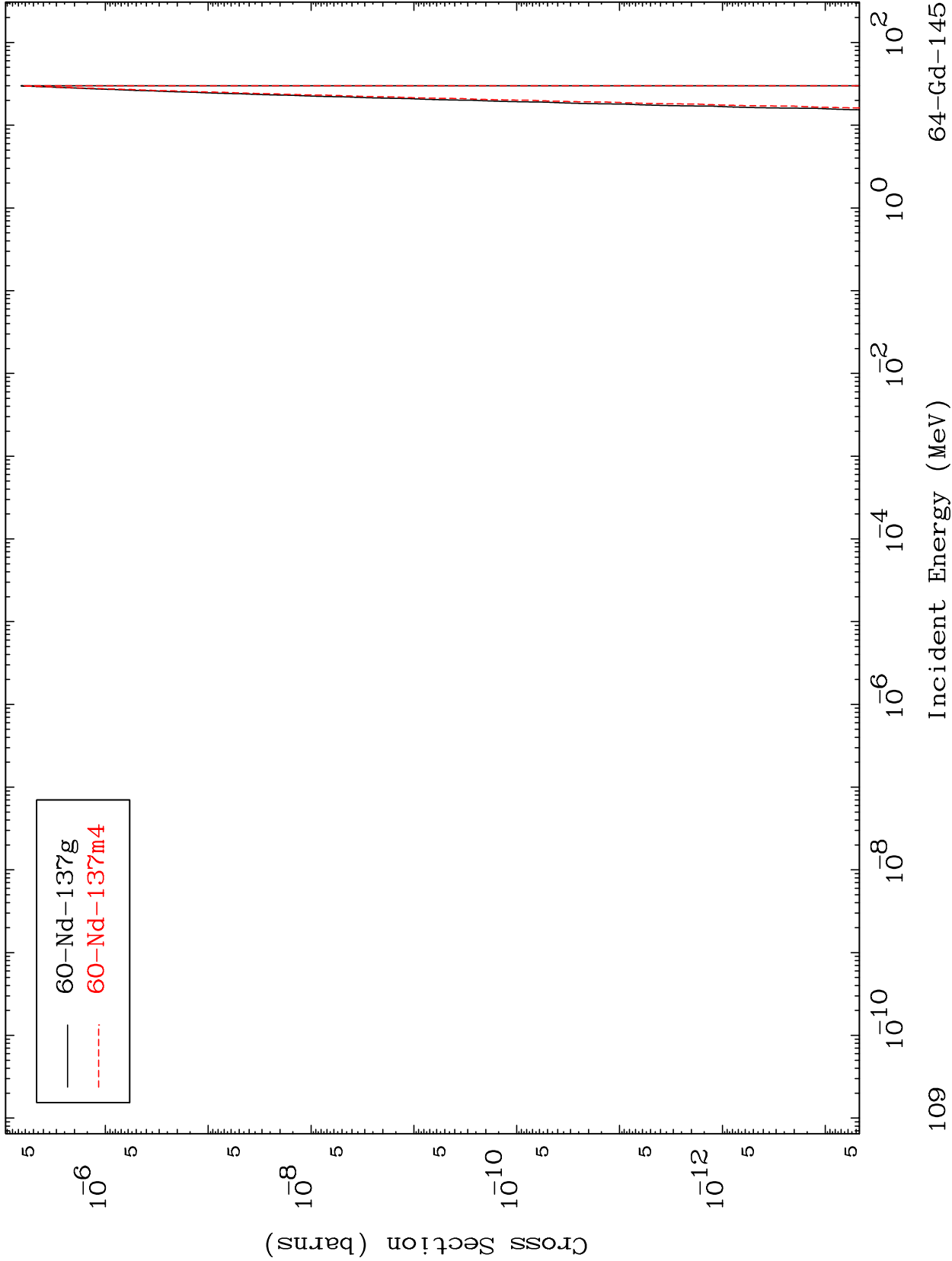
64-Gd-145

MAT 6404

(n,n') 2α

64-Gd-145

Radionuclide Production Cross Section

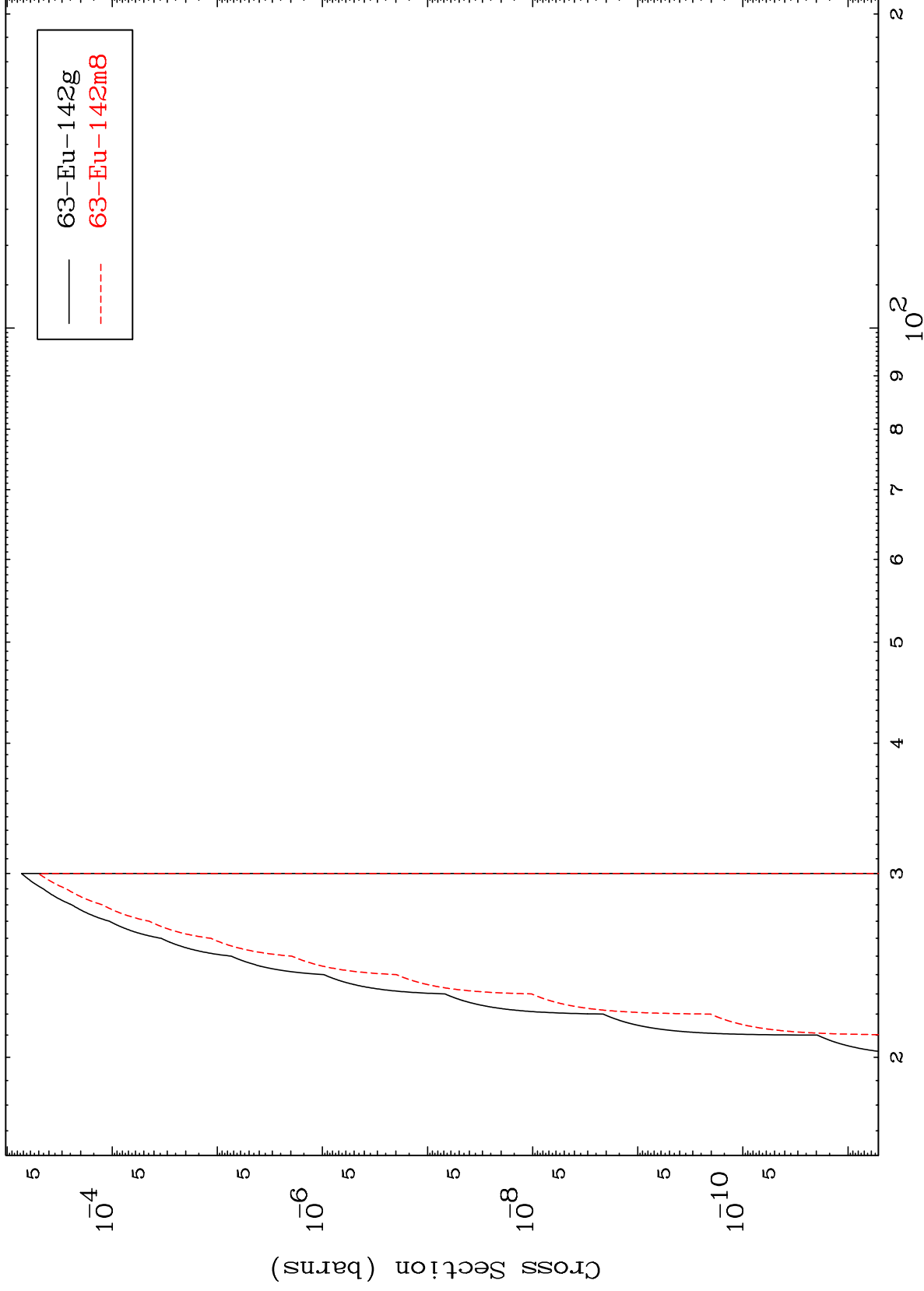


MAT 6404

(n,n') t

64-Gd-145

Radionuclide Production Cross Section



110

Incident Energy (MeV)

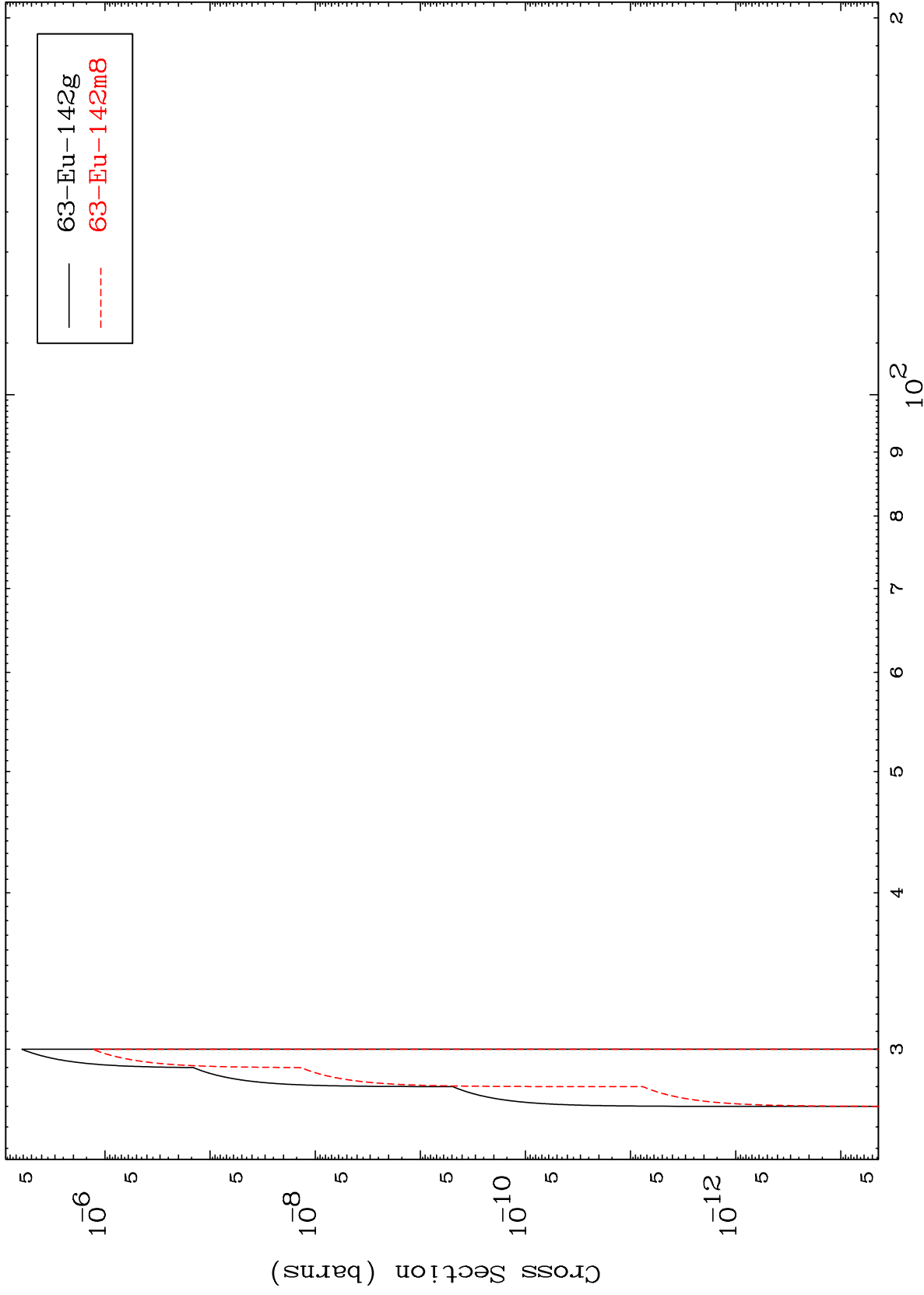
64-Gd-145

MAT 6404

(n,3n) p

64-Gd-145

Radionuclide Production Cross Section



111

Incident Energy (MeV)

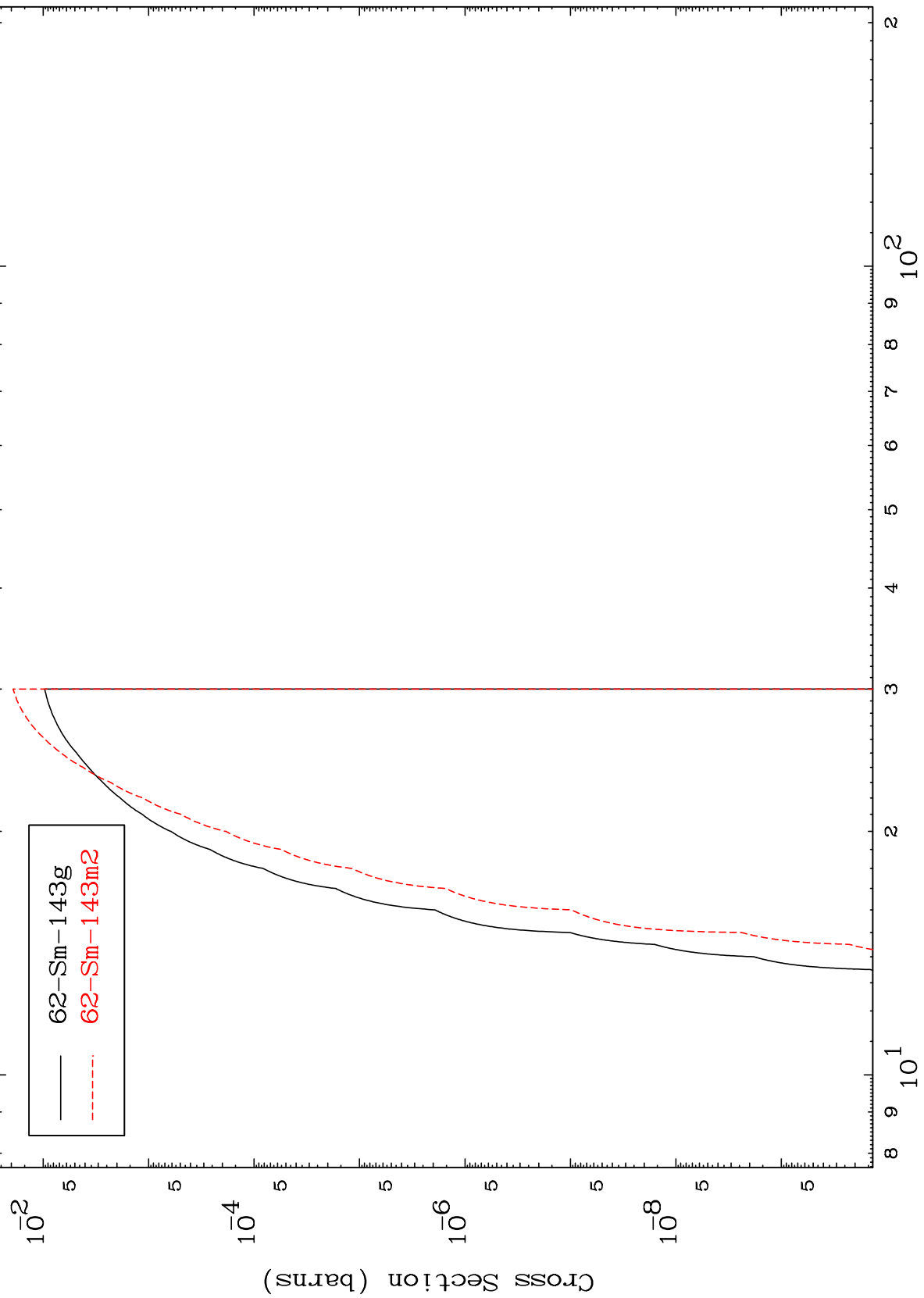
64-Gd-145

MAT 6404

(n,2n) p

64-Gd-145

Radionuclide Production Cross Section



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

112

Incident Energy (MeV)

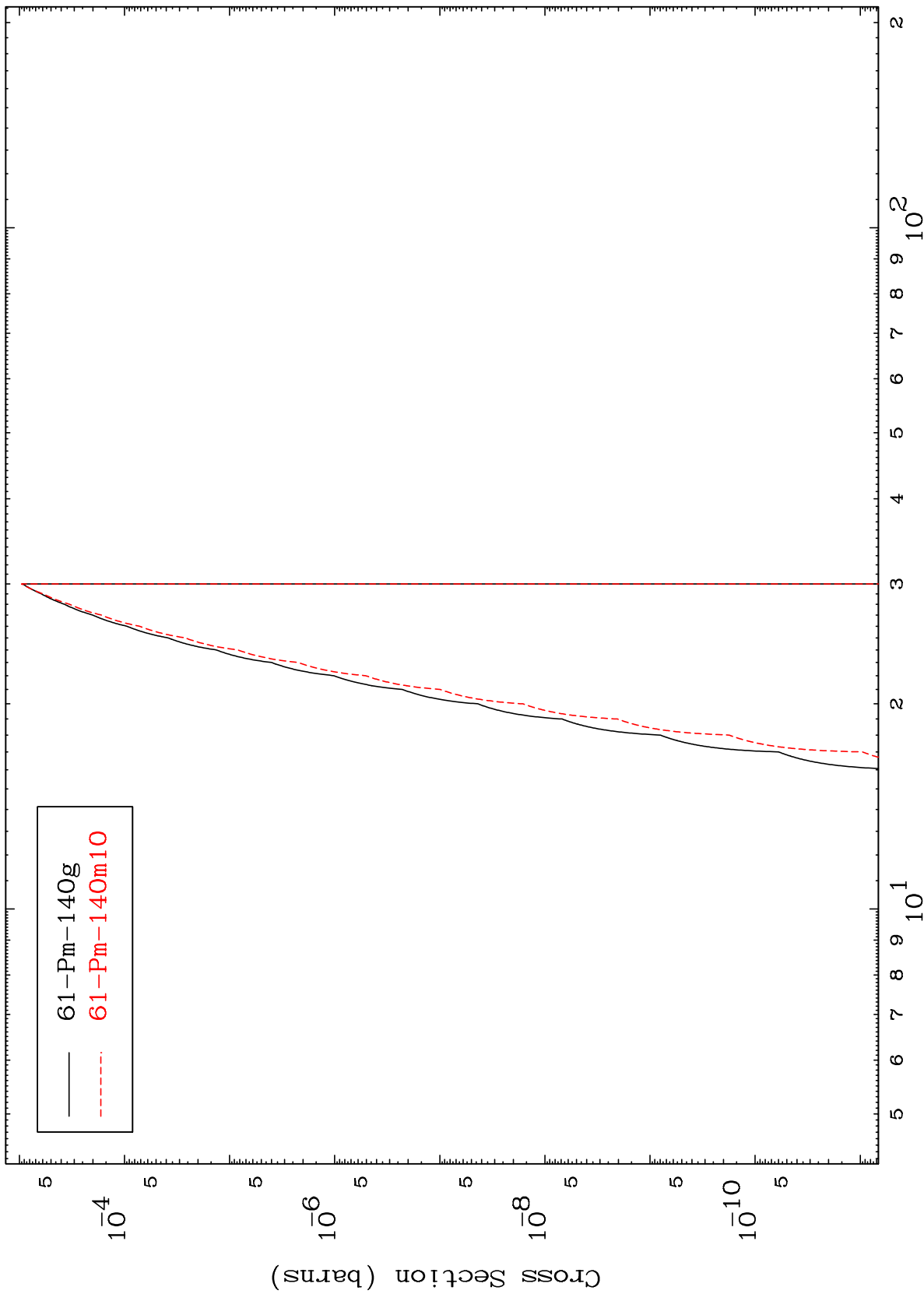
64-Gd-145

MAT 6404

(n,n') p α

64-Gd-145

Radionuclide Production Cross Section



113

Incident Energy (MeV)

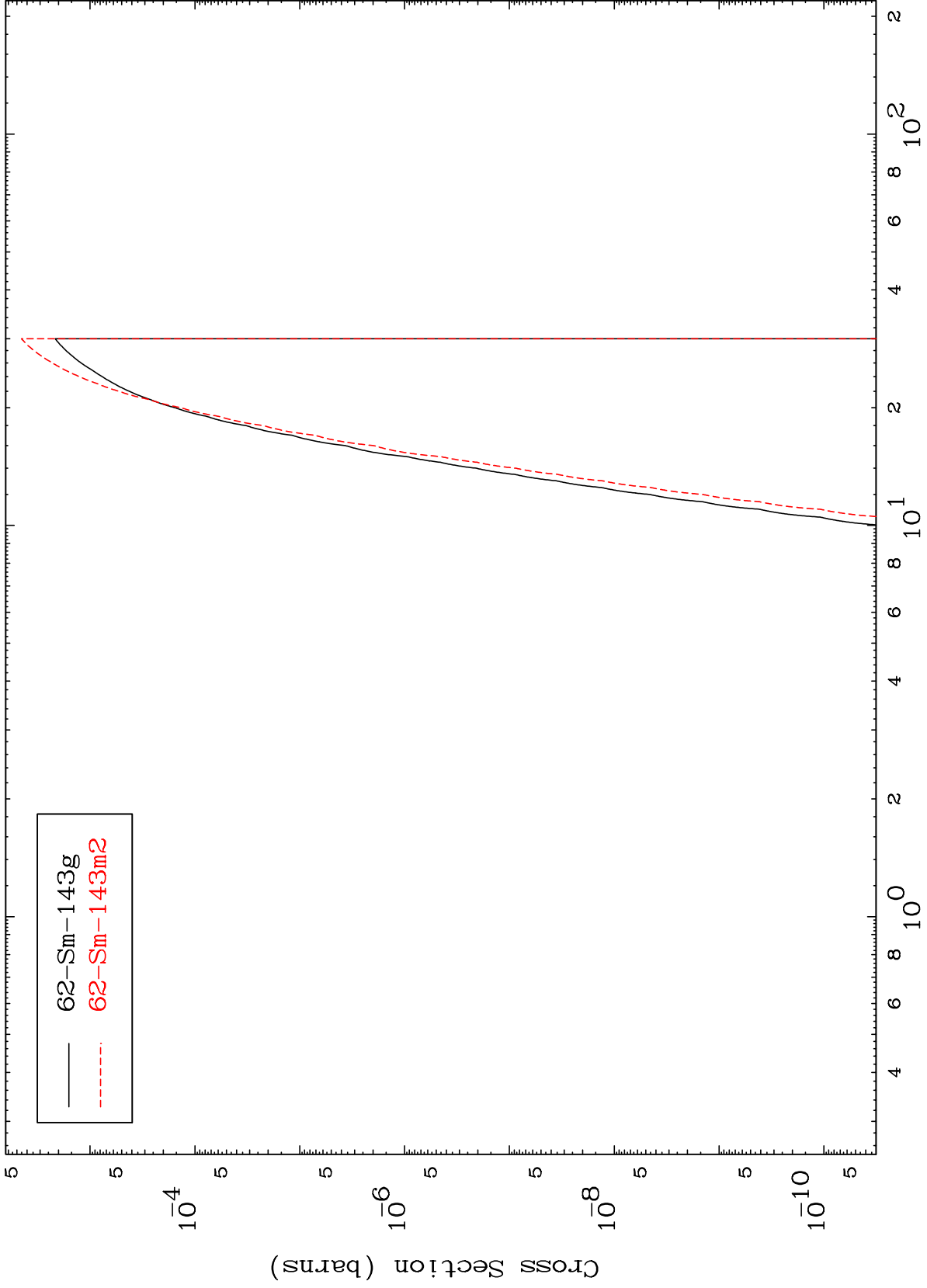
64-Gd-145

MAT 6404

(n,He-3)

64-Gd-145

Radionuclide Production Cross Section

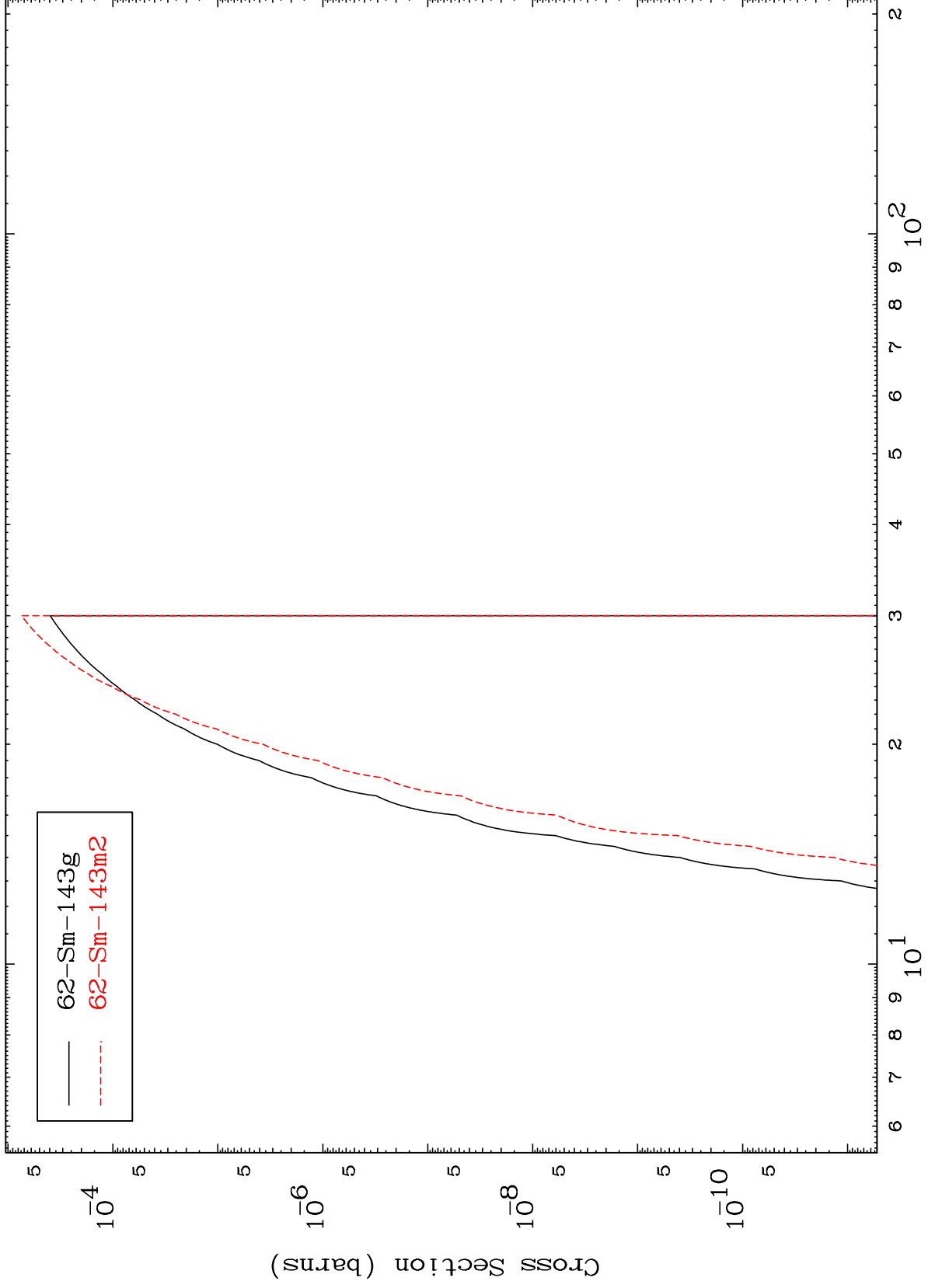


MAT 6404

(n,p) d

64-Gd-145

Radionuclide Production Cross Section



115

Incident Energy (MeV)

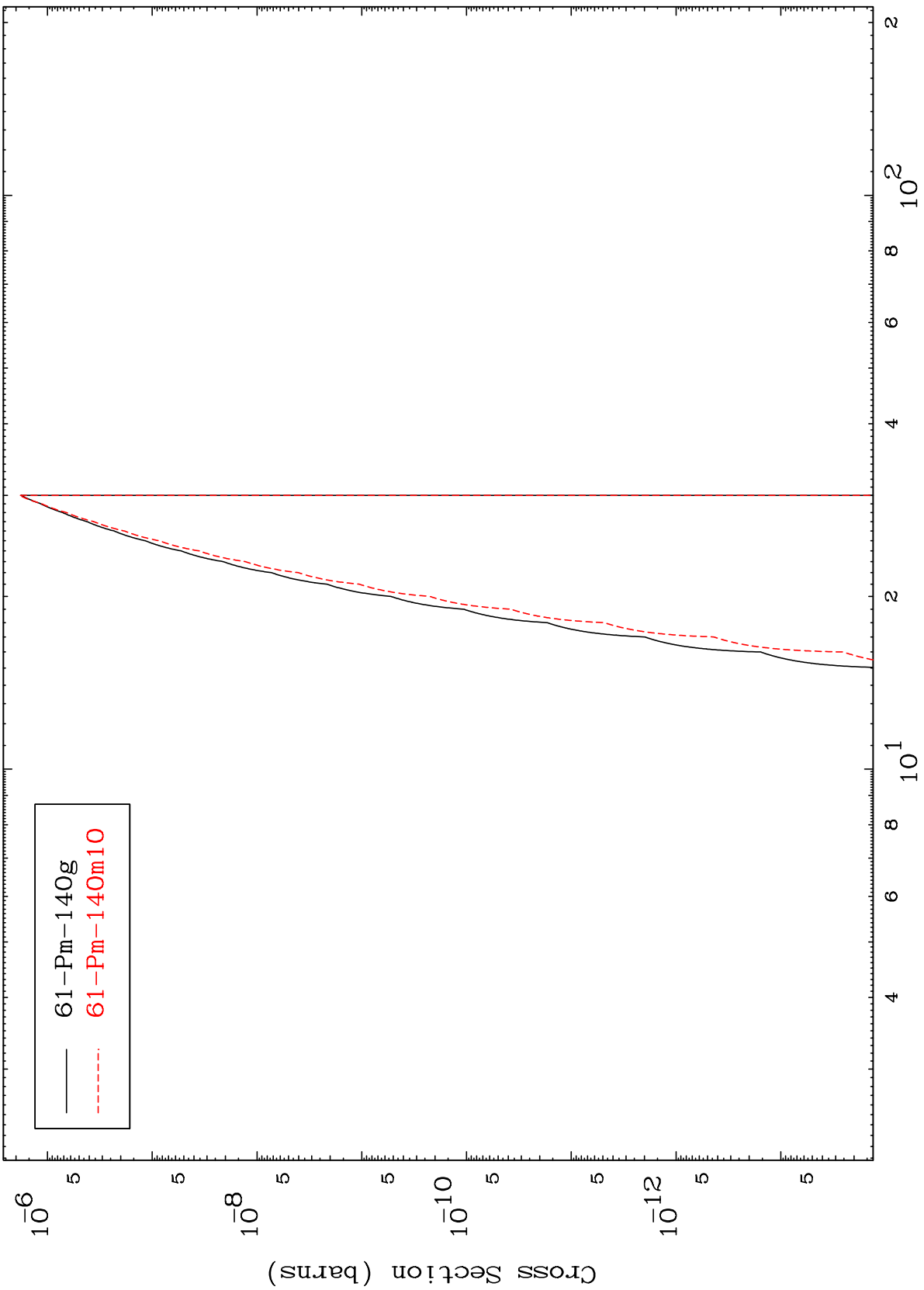
64-Gd-145

MAT 6404

(n,d) α

64-Gd-145

Radionuclide Production Cross Section



61-Pm-140g
61-Pm-140m10

116

Incident Energy (MeV)

64-Gd-145