

Program EVALPLOT
(Version 2021-1)

by

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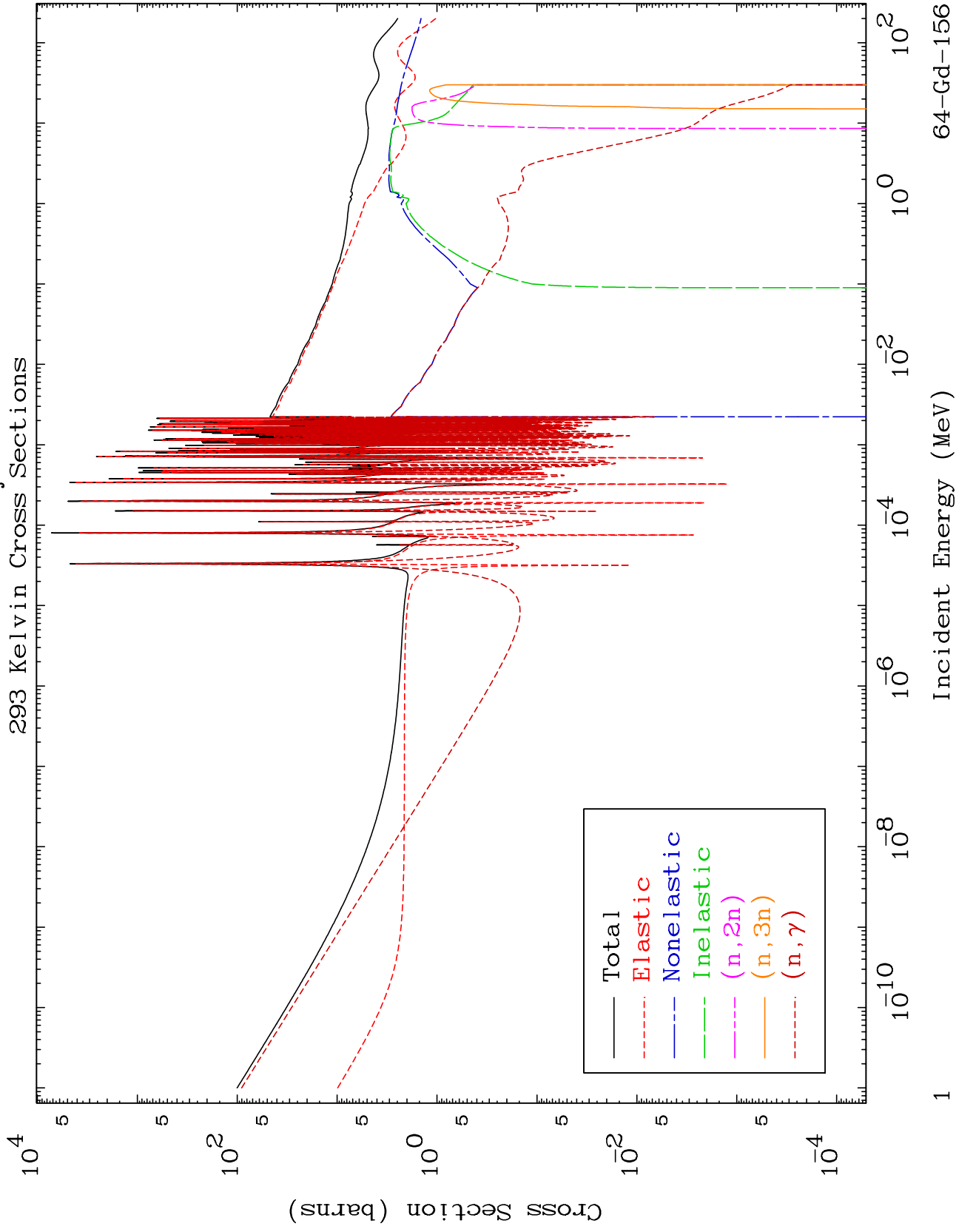
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Press Mouse Button to Start

MAT 6437

Neutron Major
293 Kelvin Cross Sections

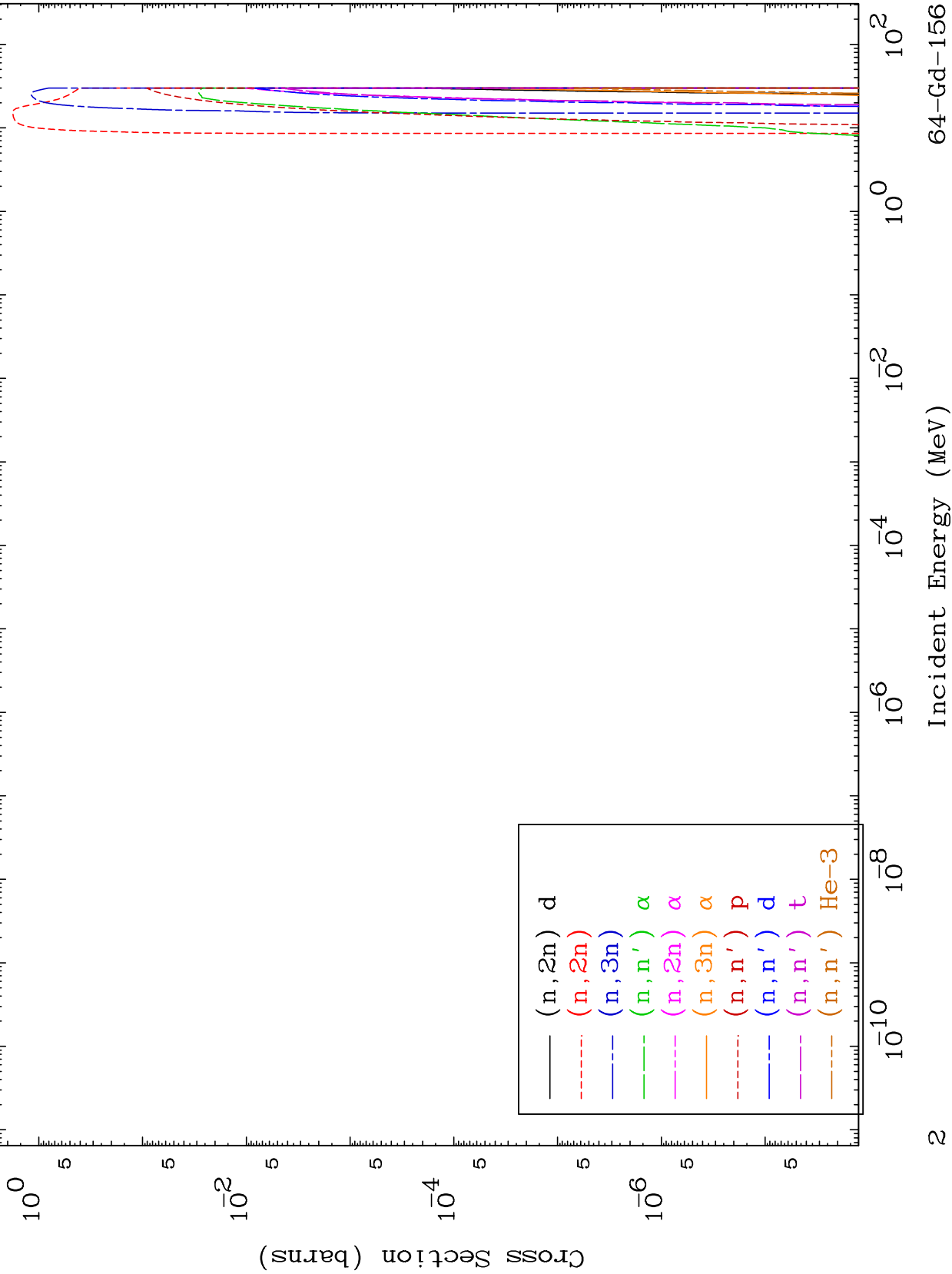
64-Gd-156

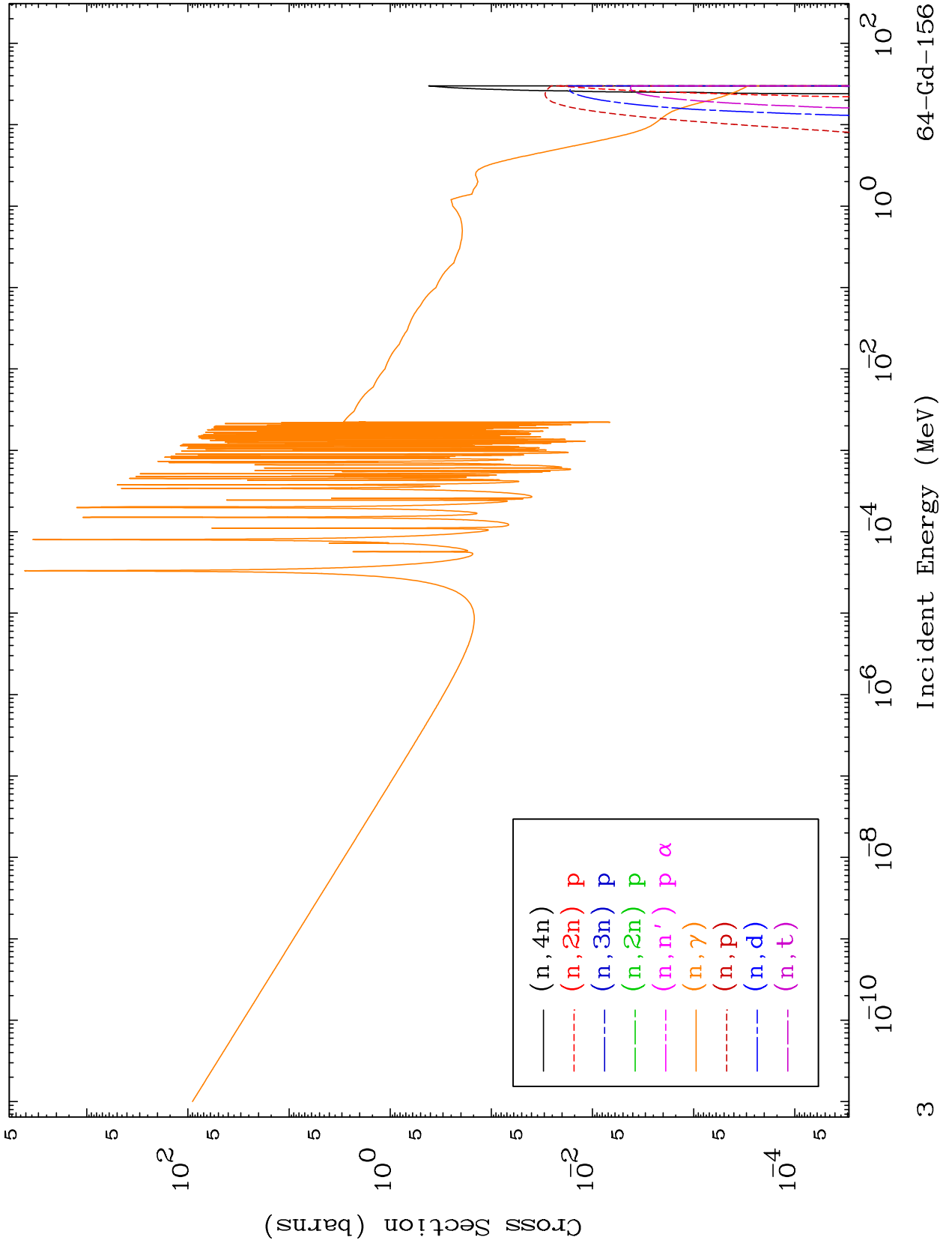


MAT 6437

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-156

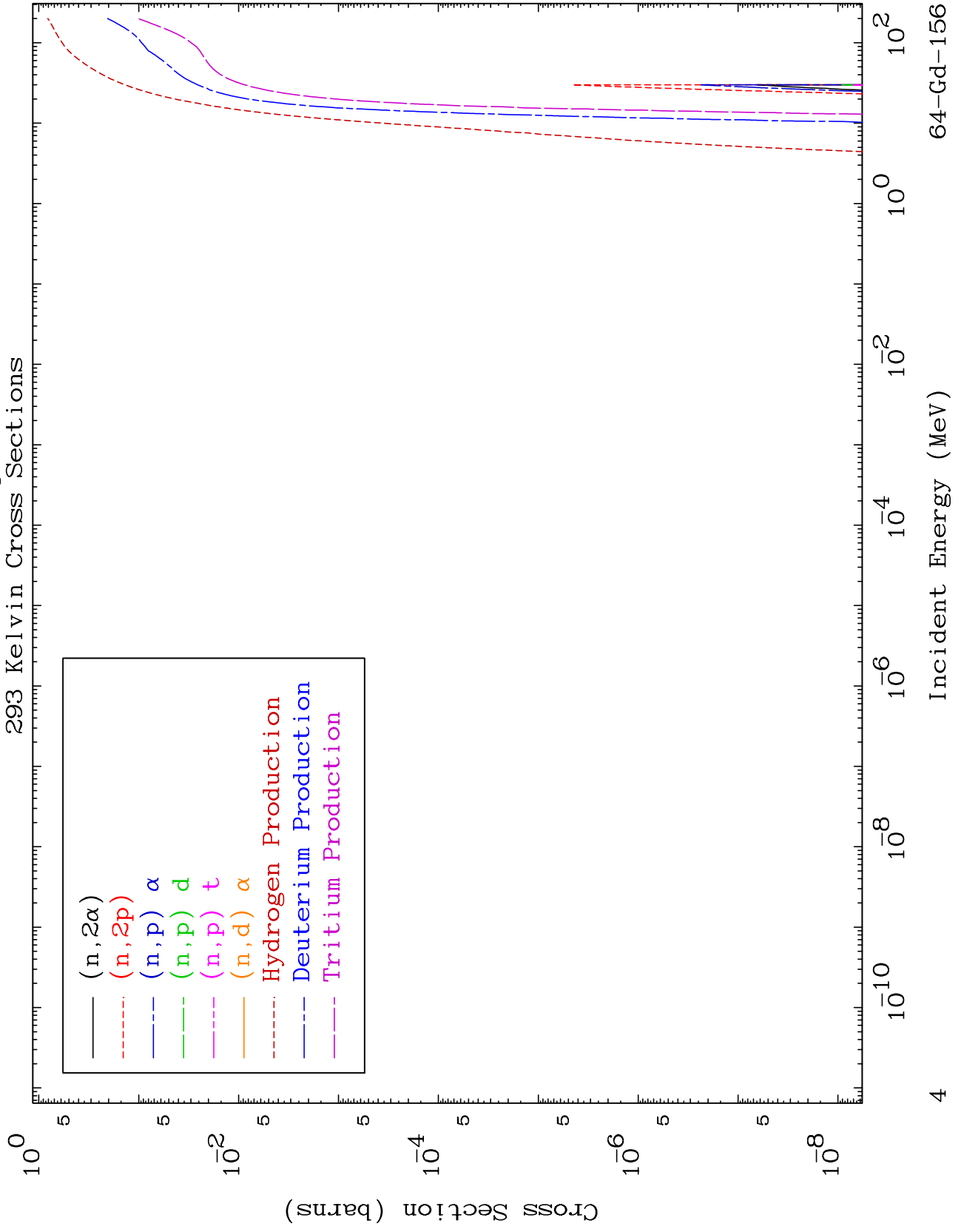


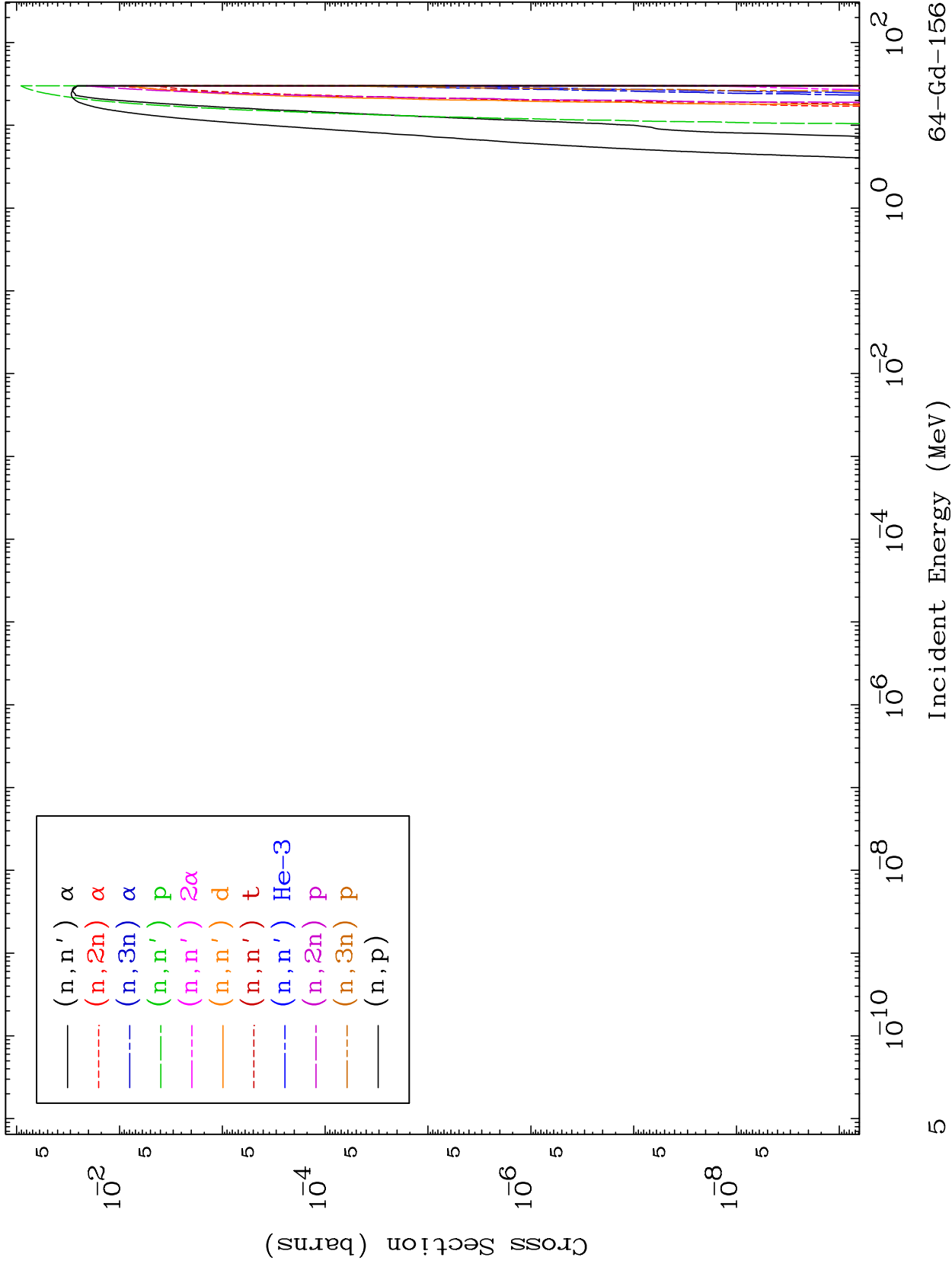


MAT 6437

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-156

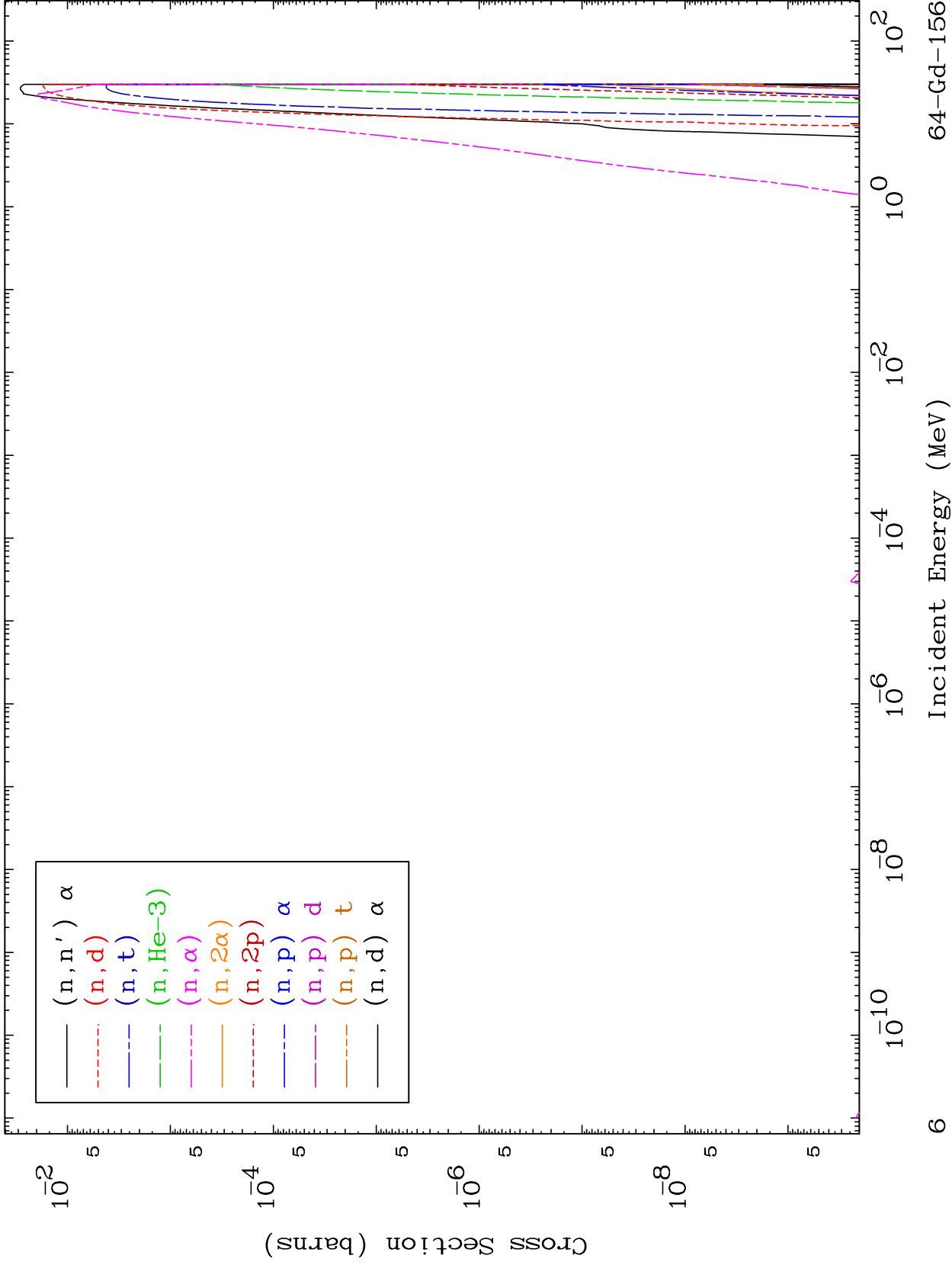




MAT 6437

Charged Particle
293 Kelvin Cross Sections

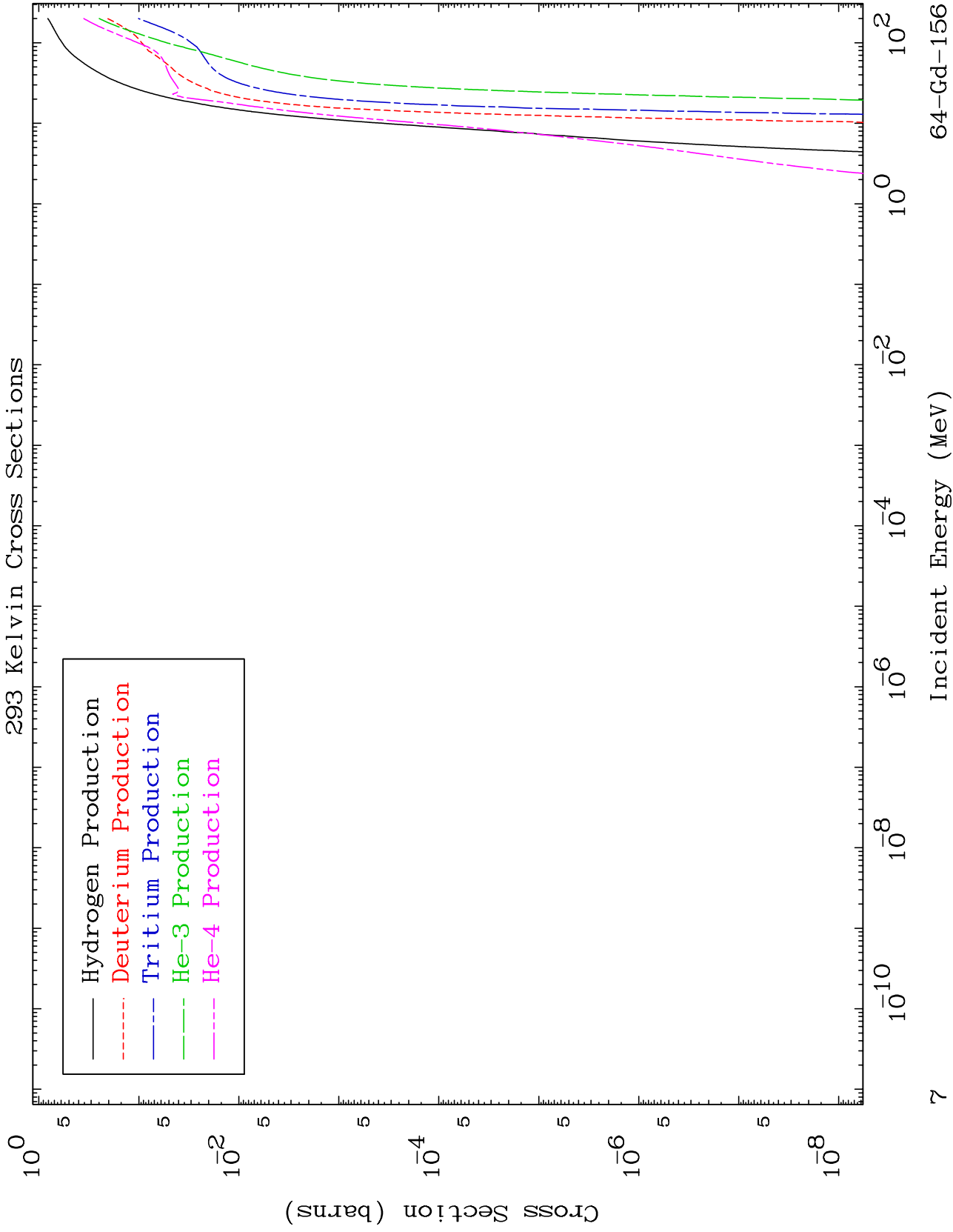
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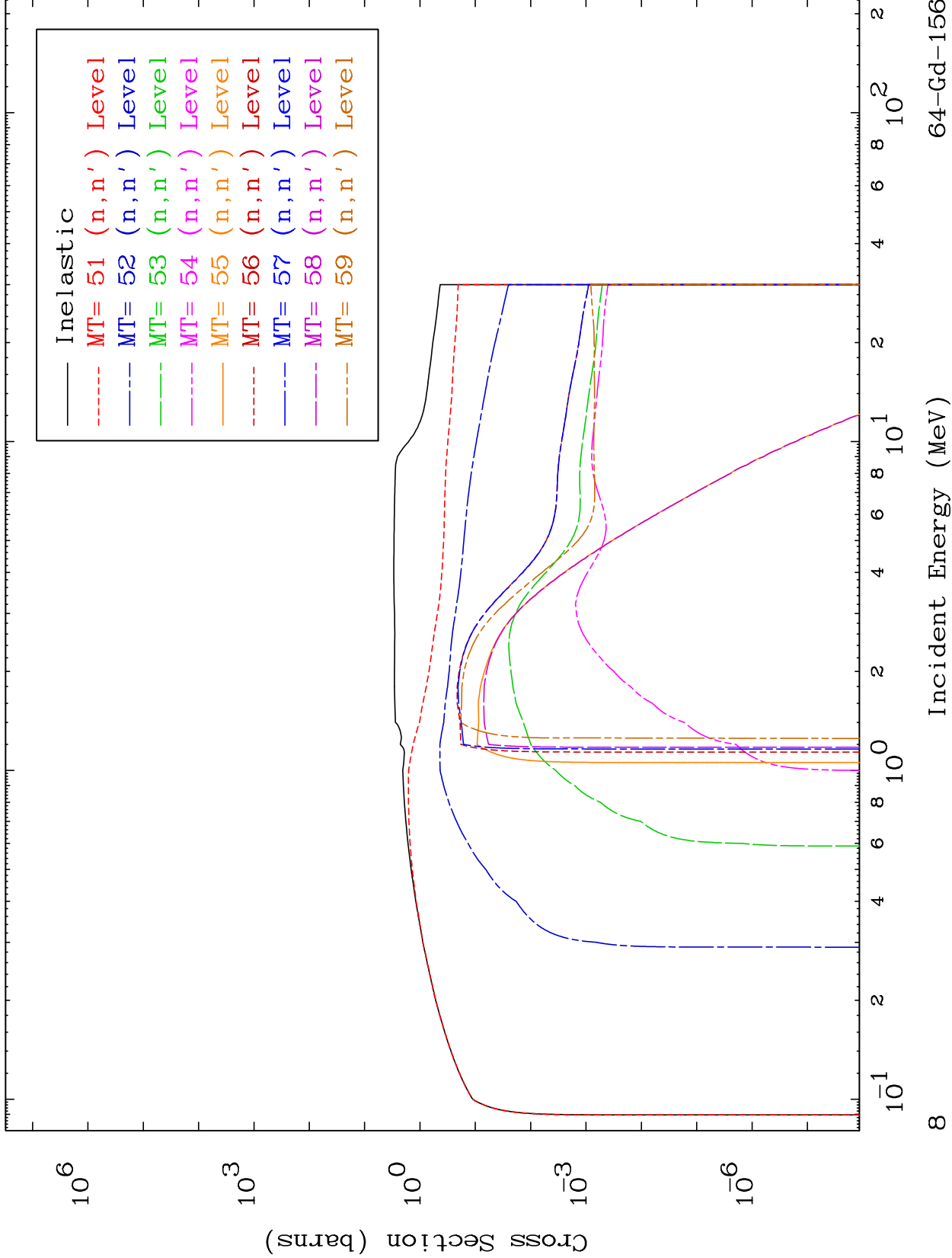


MAT 6437

Particle Production
293 Kelvin Cross Sections

64-Gd-156



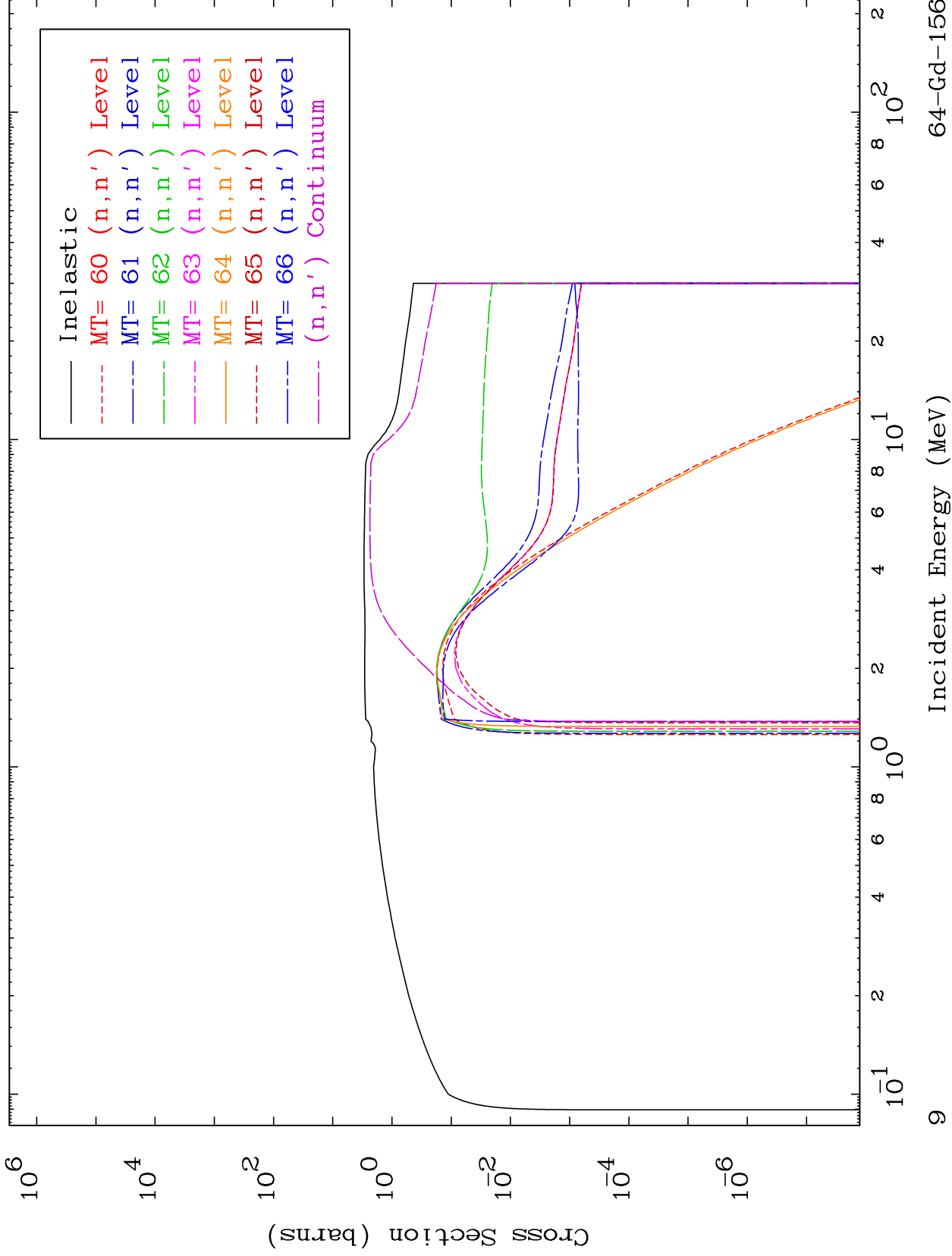


MAT 6437

(n,n') Levels

64-Gd-156

293 Kelvin Cross Sections



9

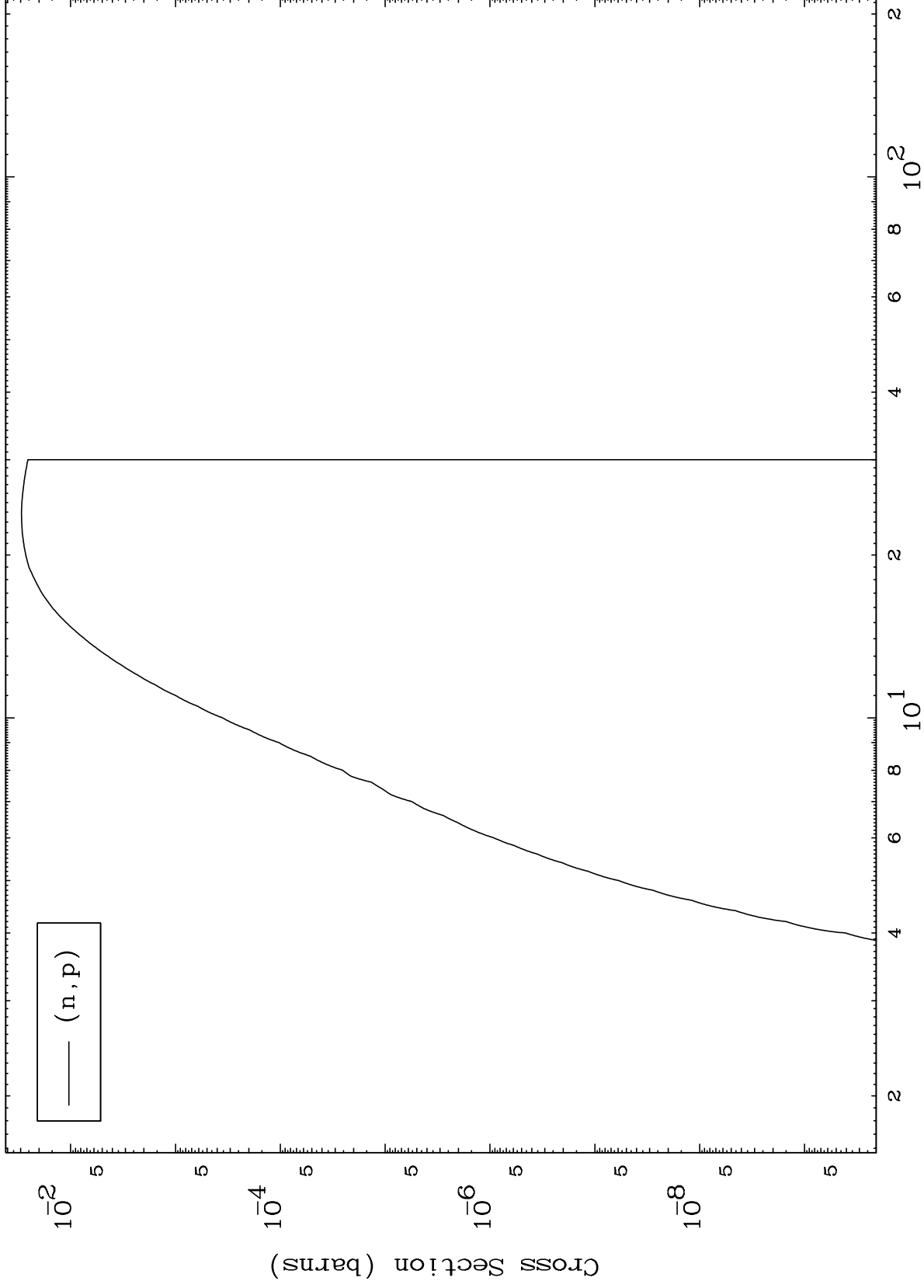
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-156



10

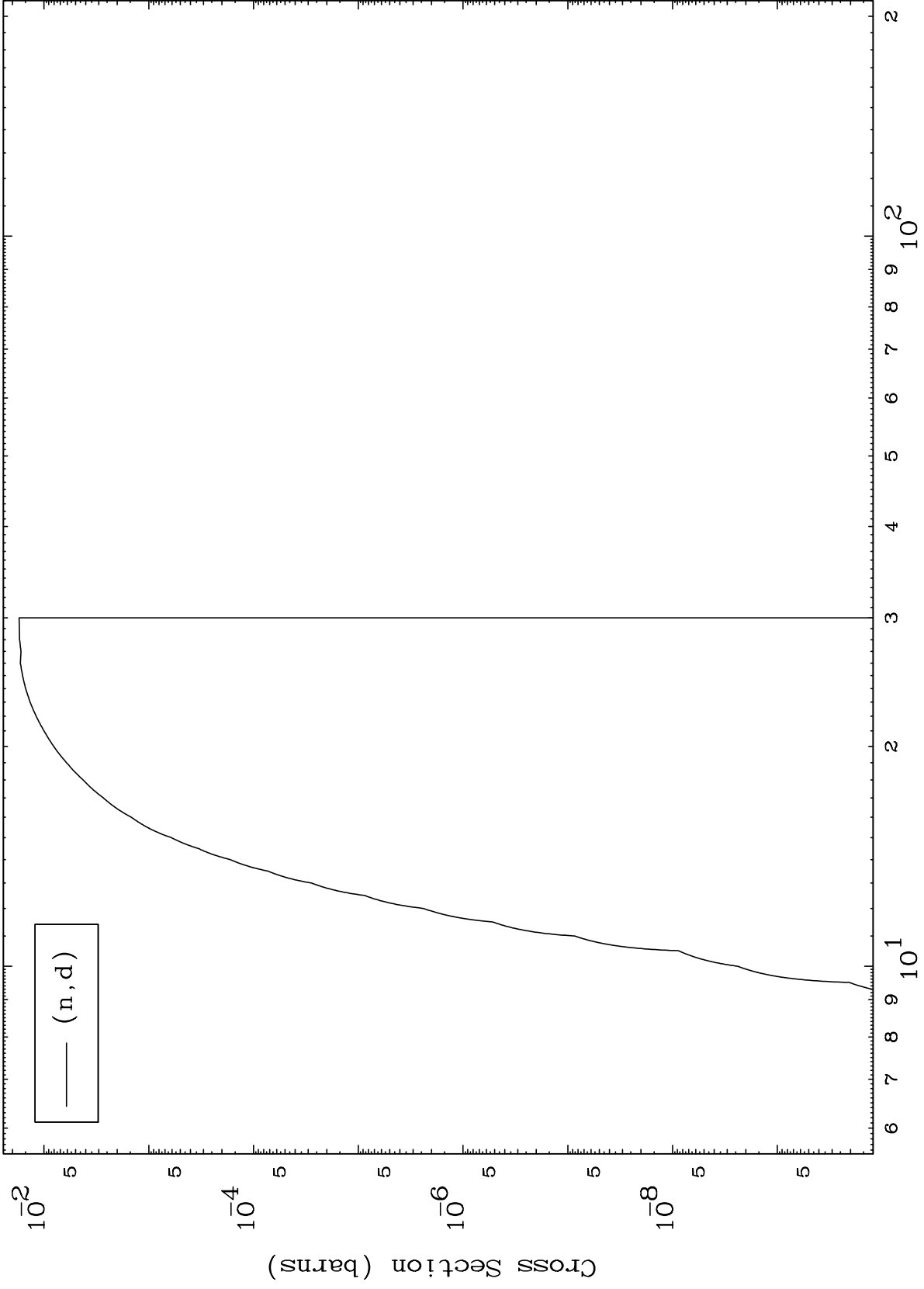
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-156



11

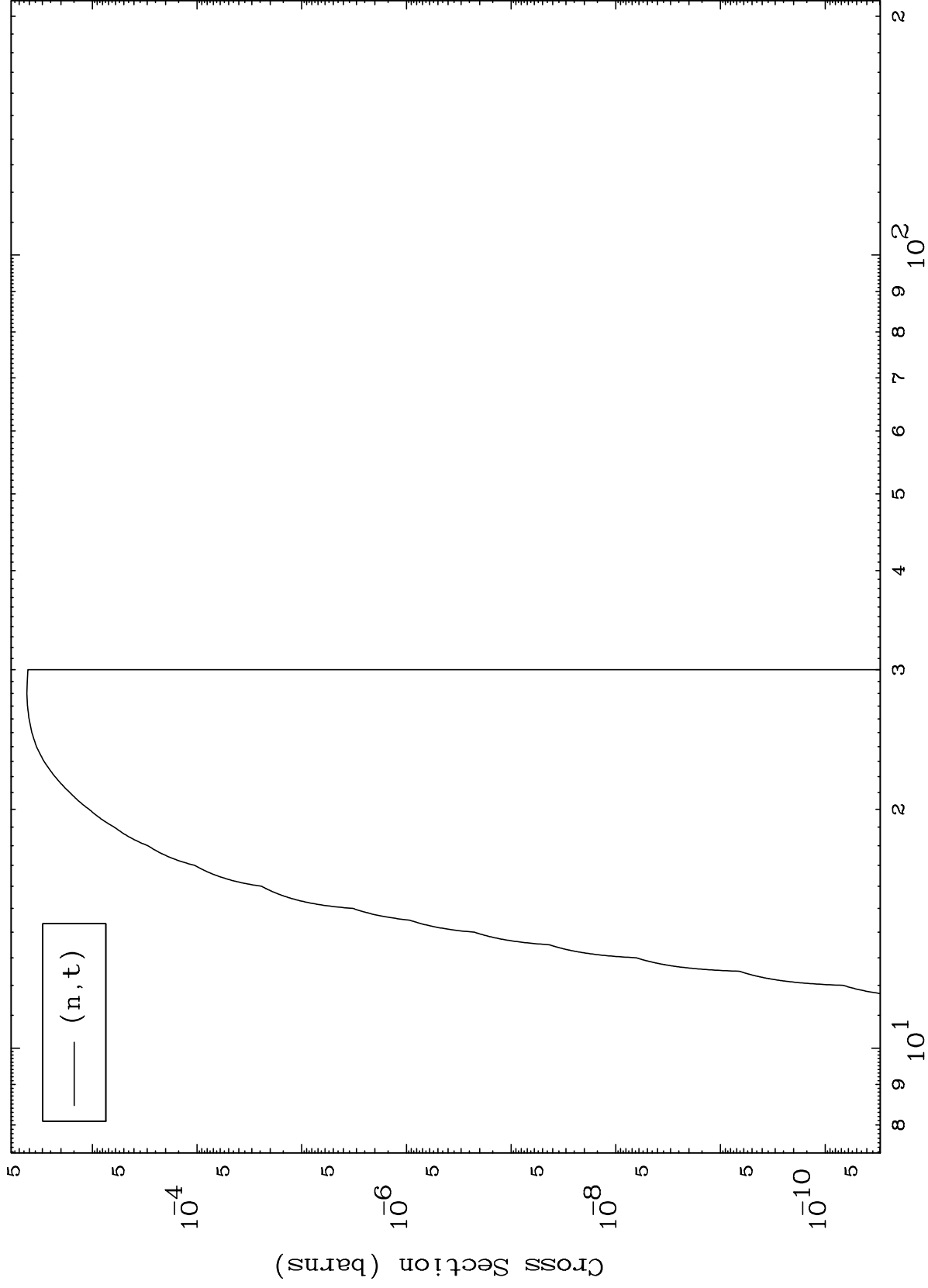
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-156



12

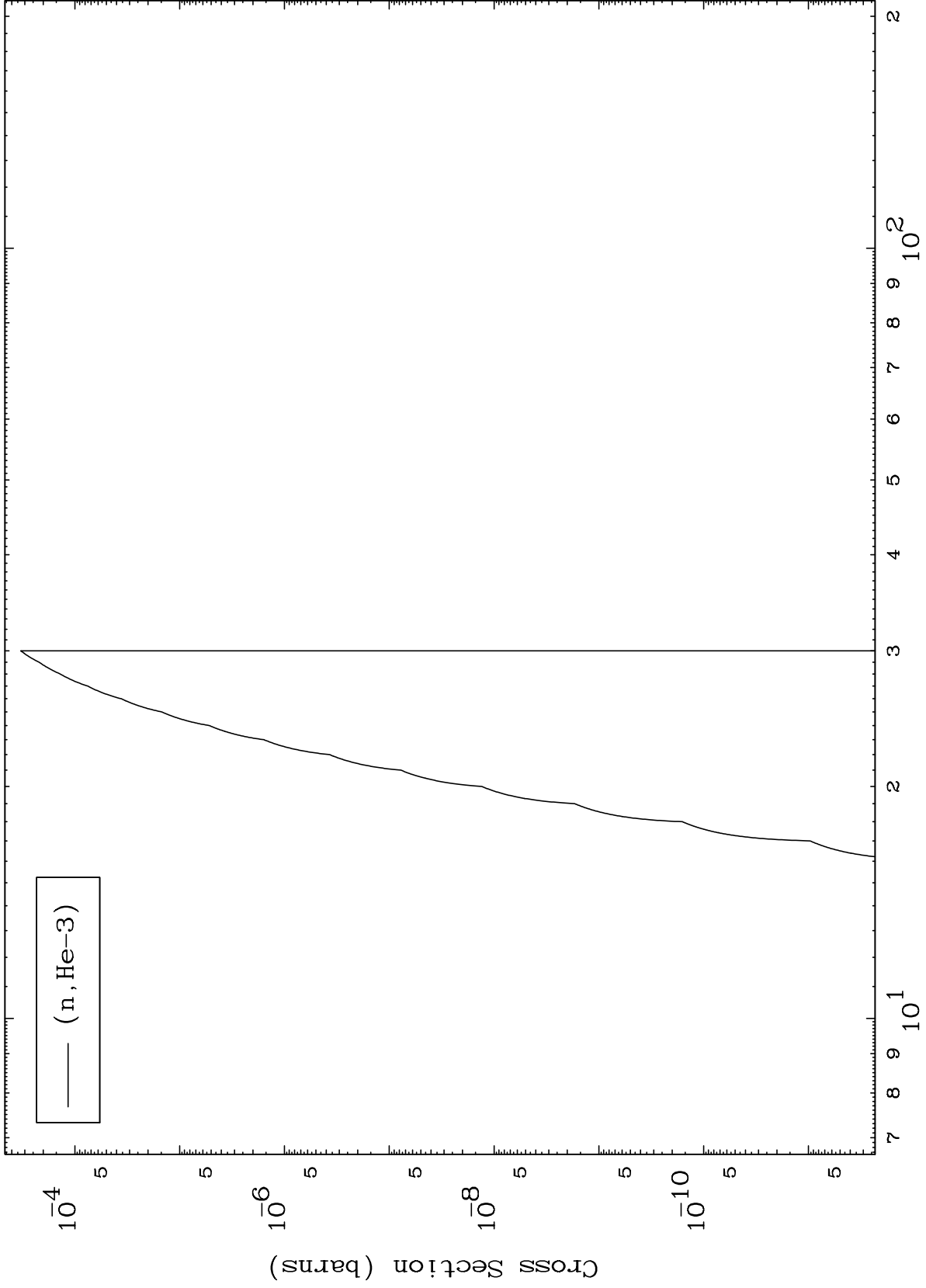
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-156



13

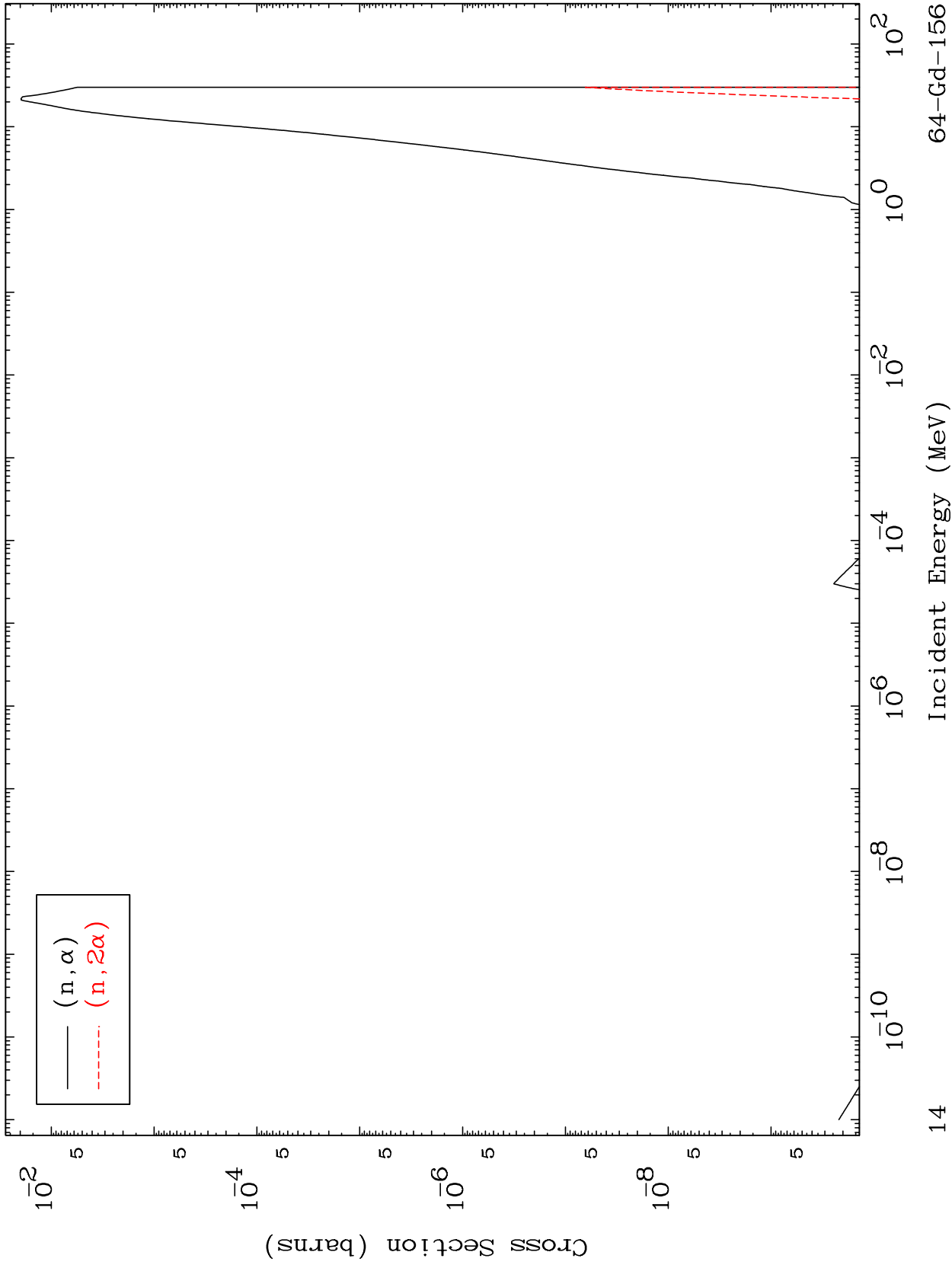
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n, α) Levels
293 Kelvin Cross Sections

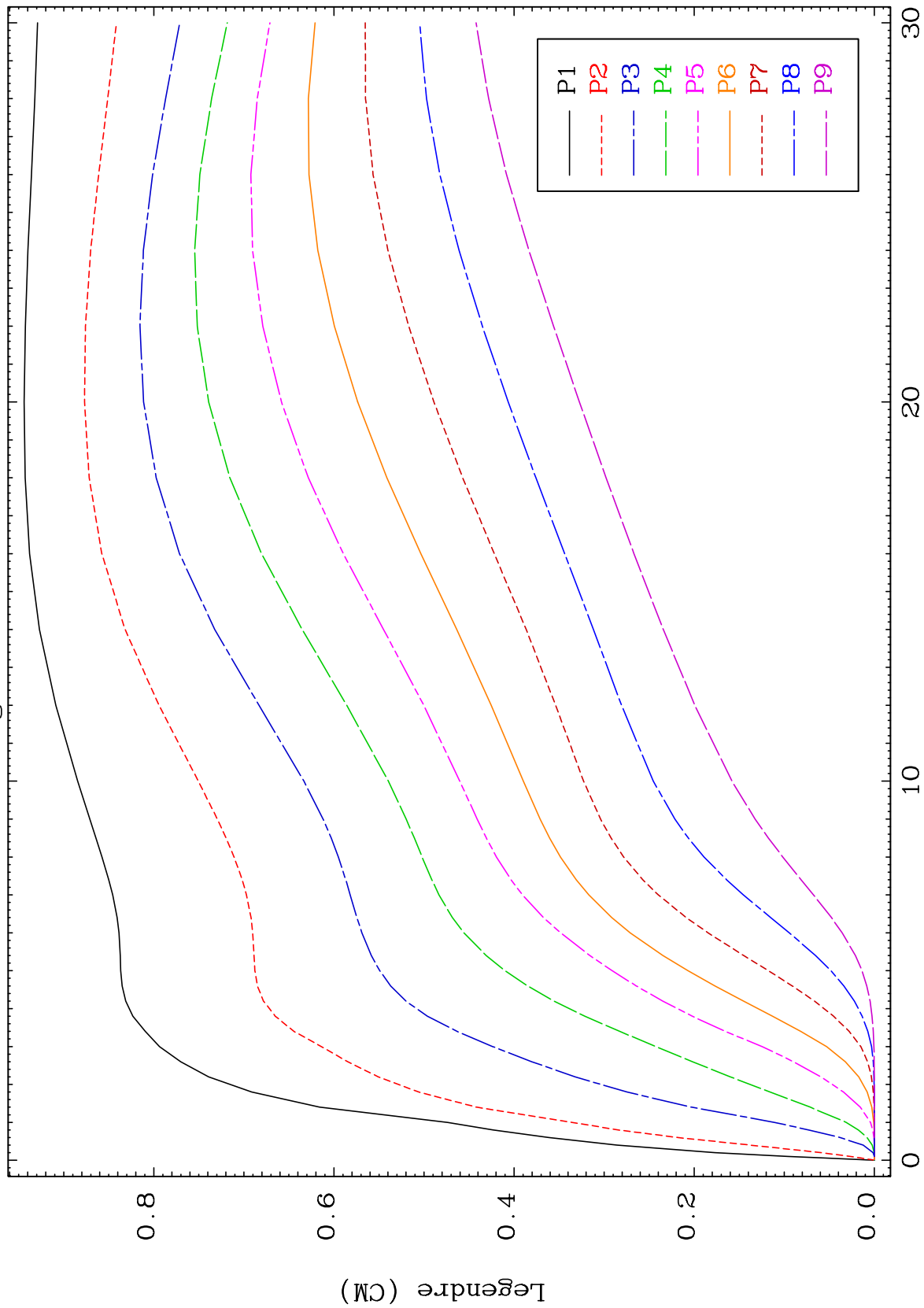
64-Gd-156



MAT 6437

Elastic Legendre Coefficients

64-Gd-156



15

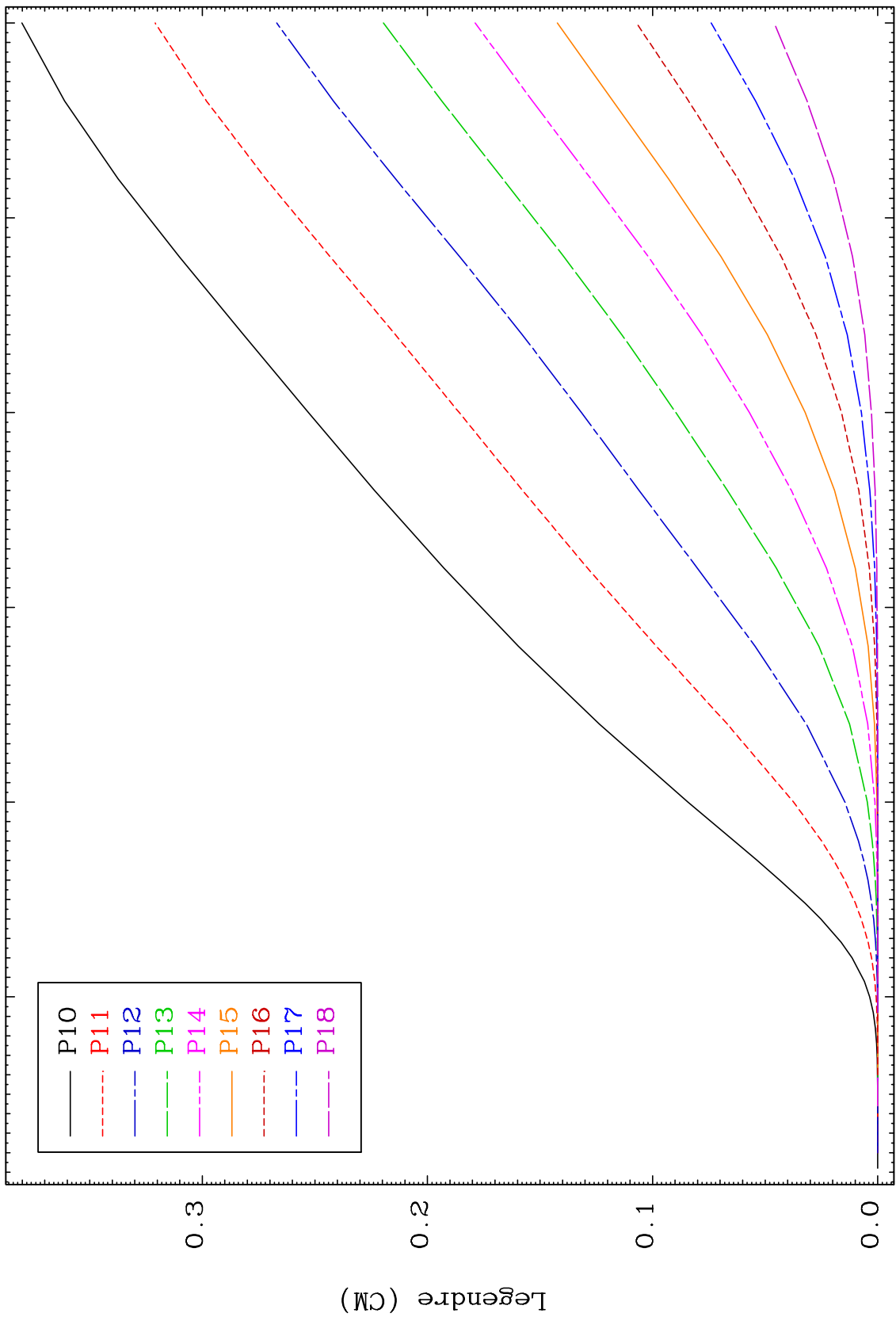
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



16

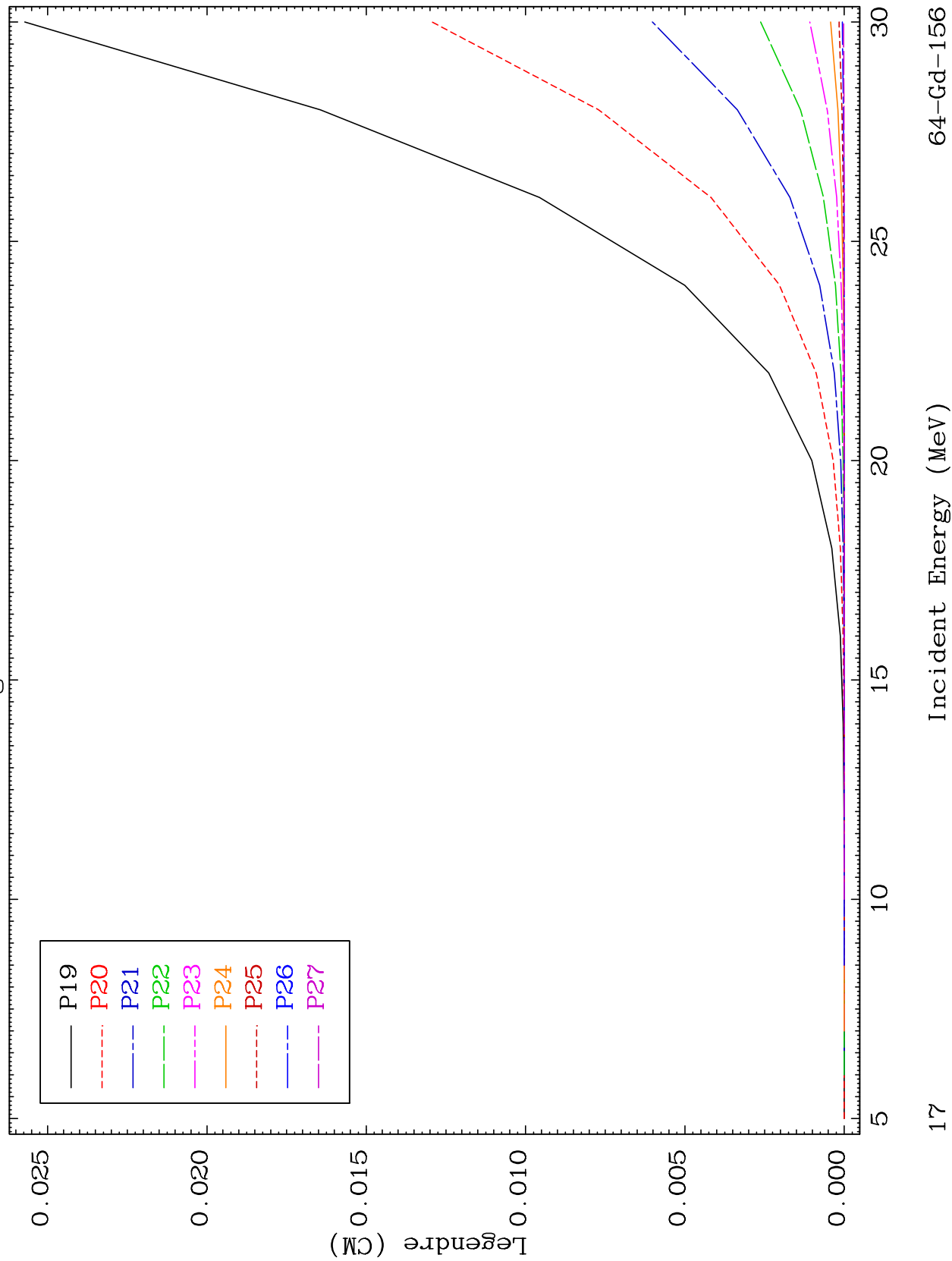
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

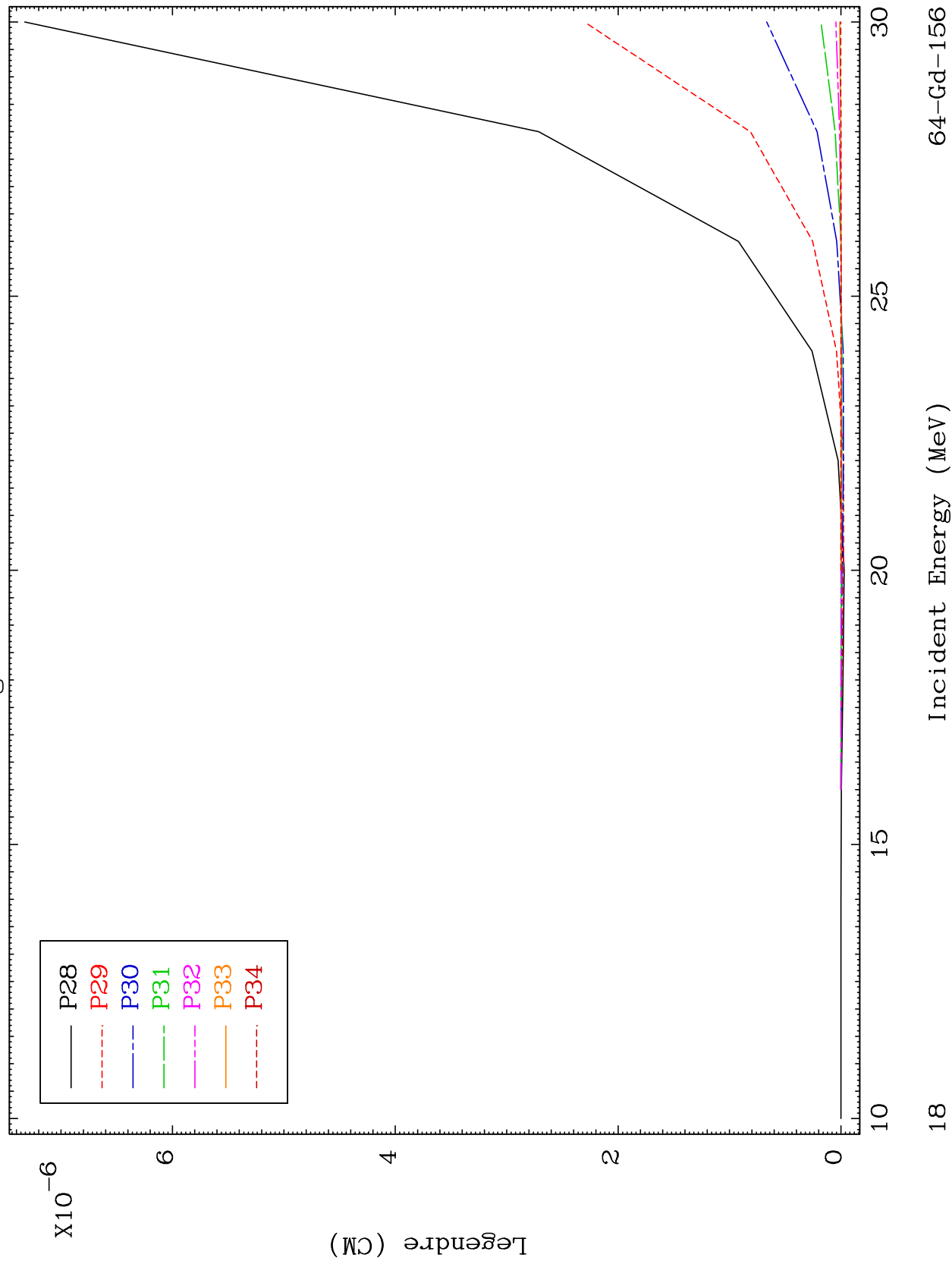
64-Gd-156



MAT 6437

Elastic Legendre Coefficients

64-Gd-156



18

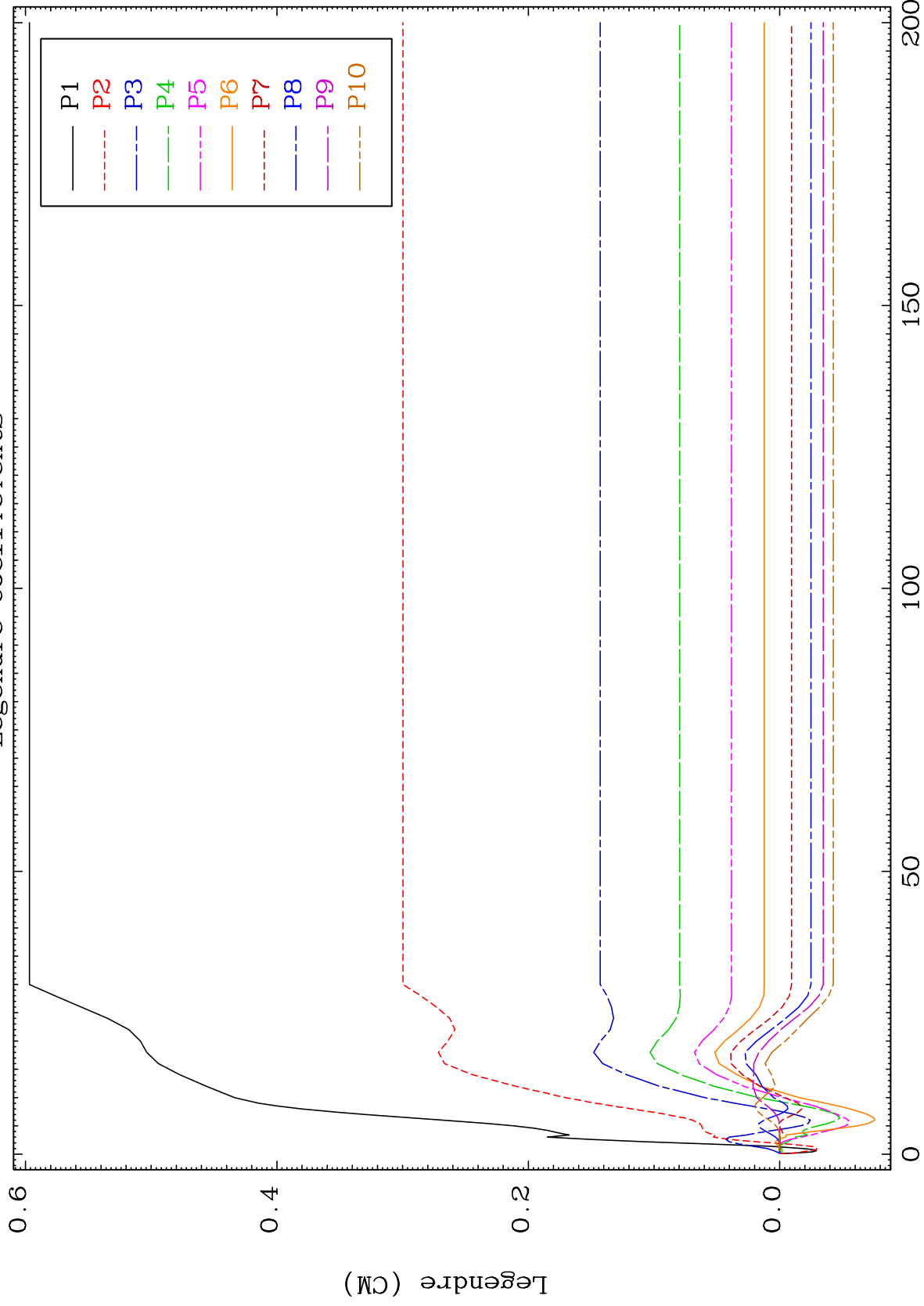
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



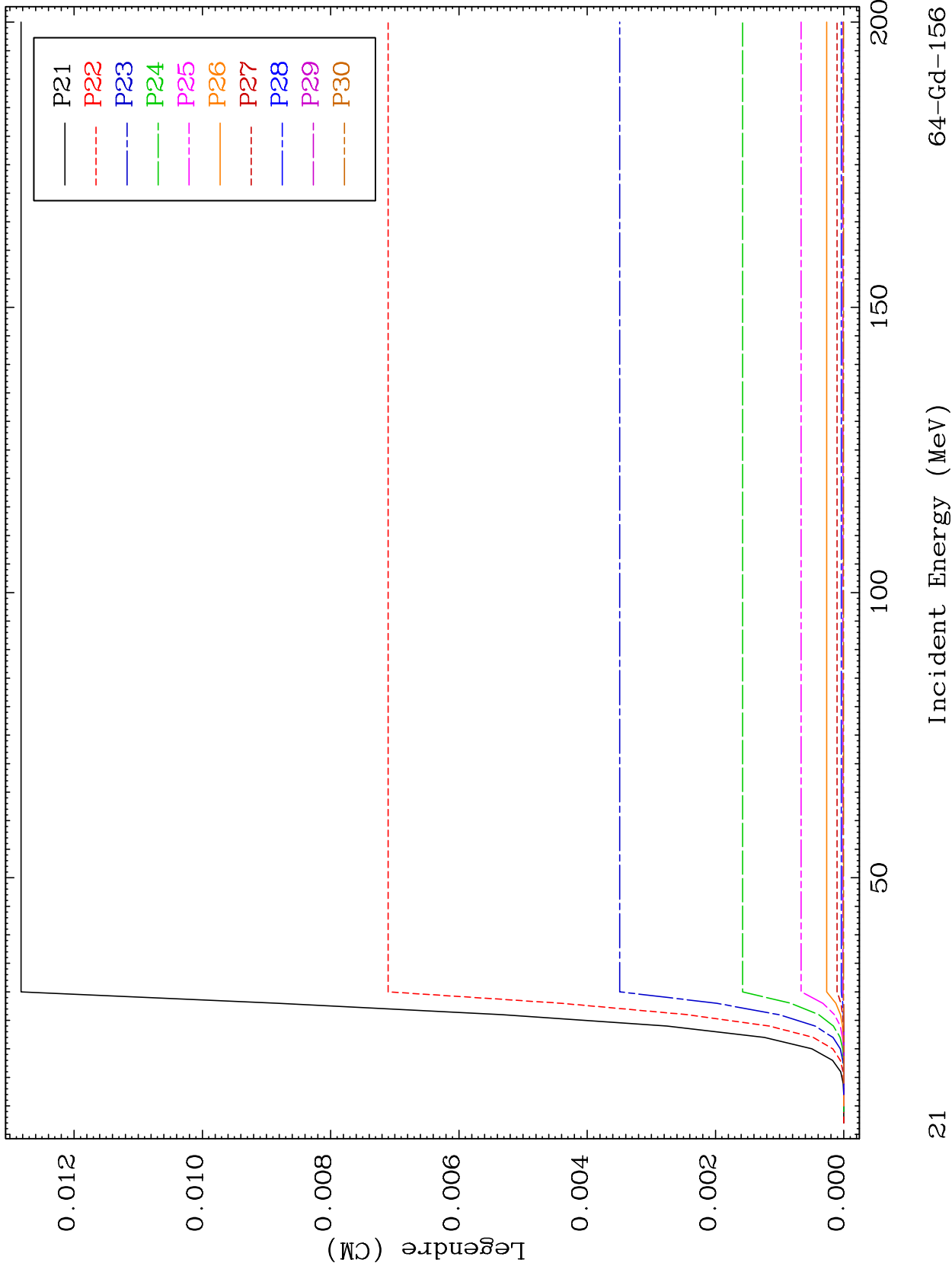
19

64-Gd-156

MAT 6437

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

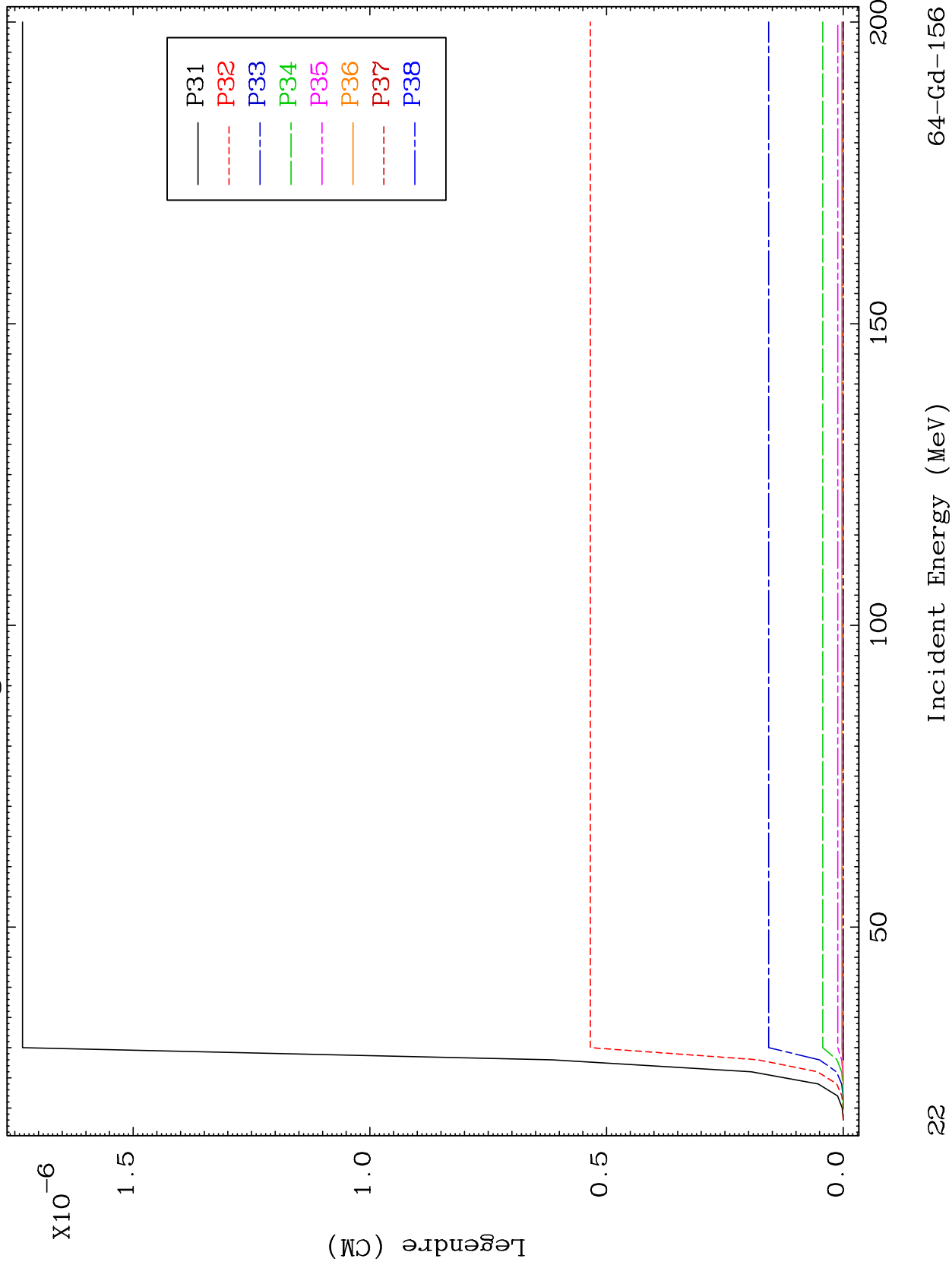
64-Gd-156



MAT 6437

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

64-Gd-156



22

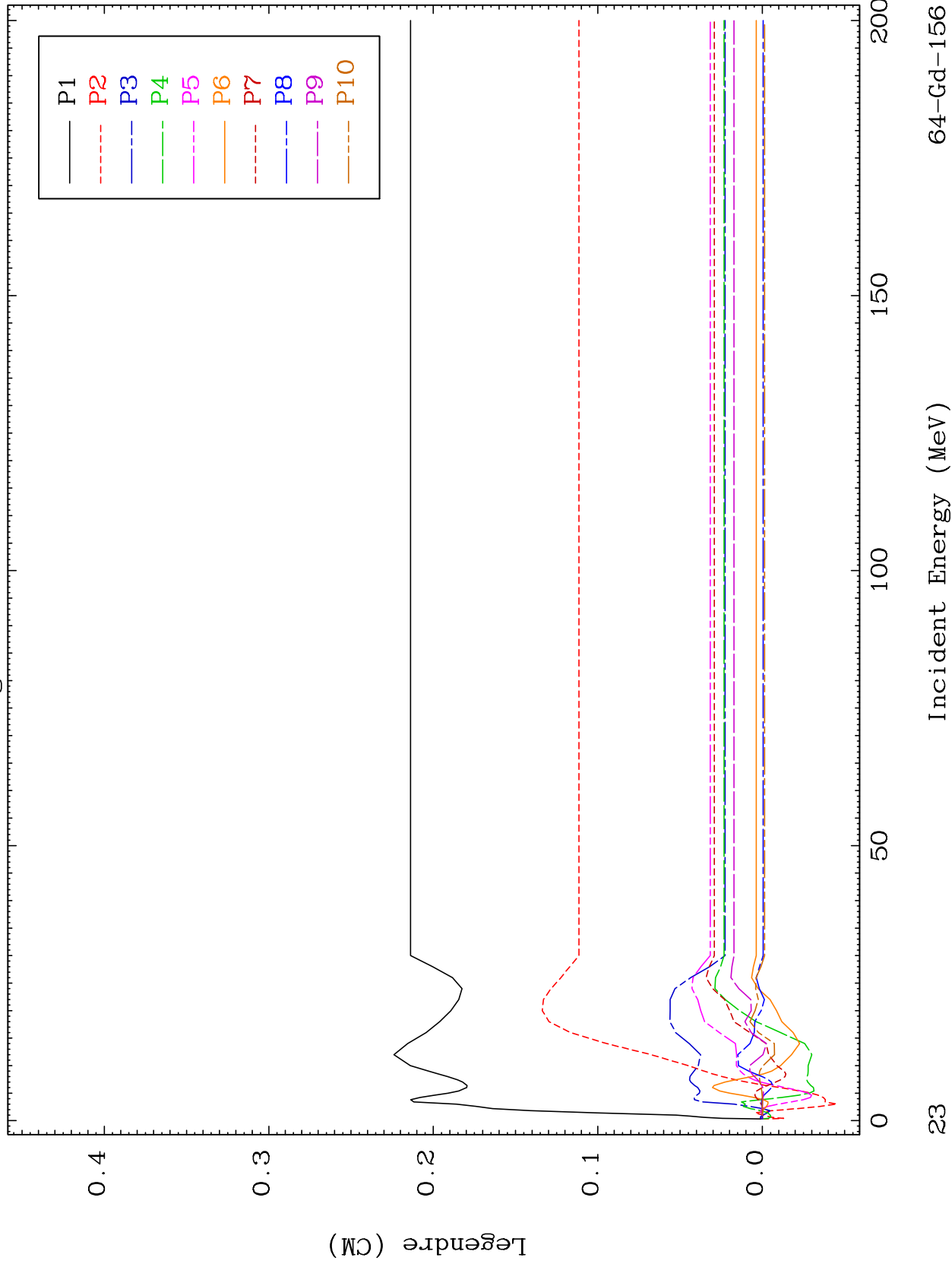
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156

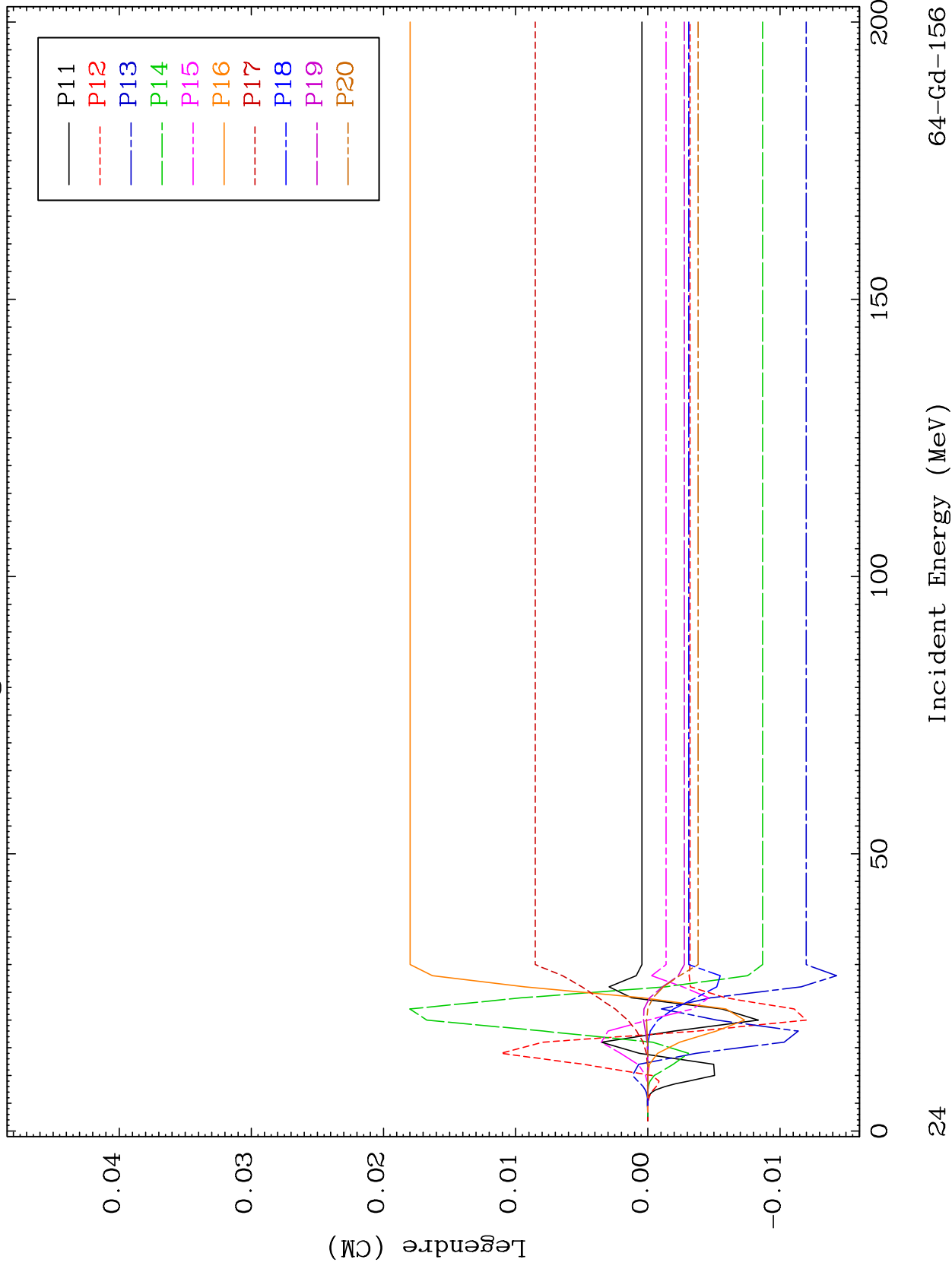


23

MAT 6437

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

64-Gd-156

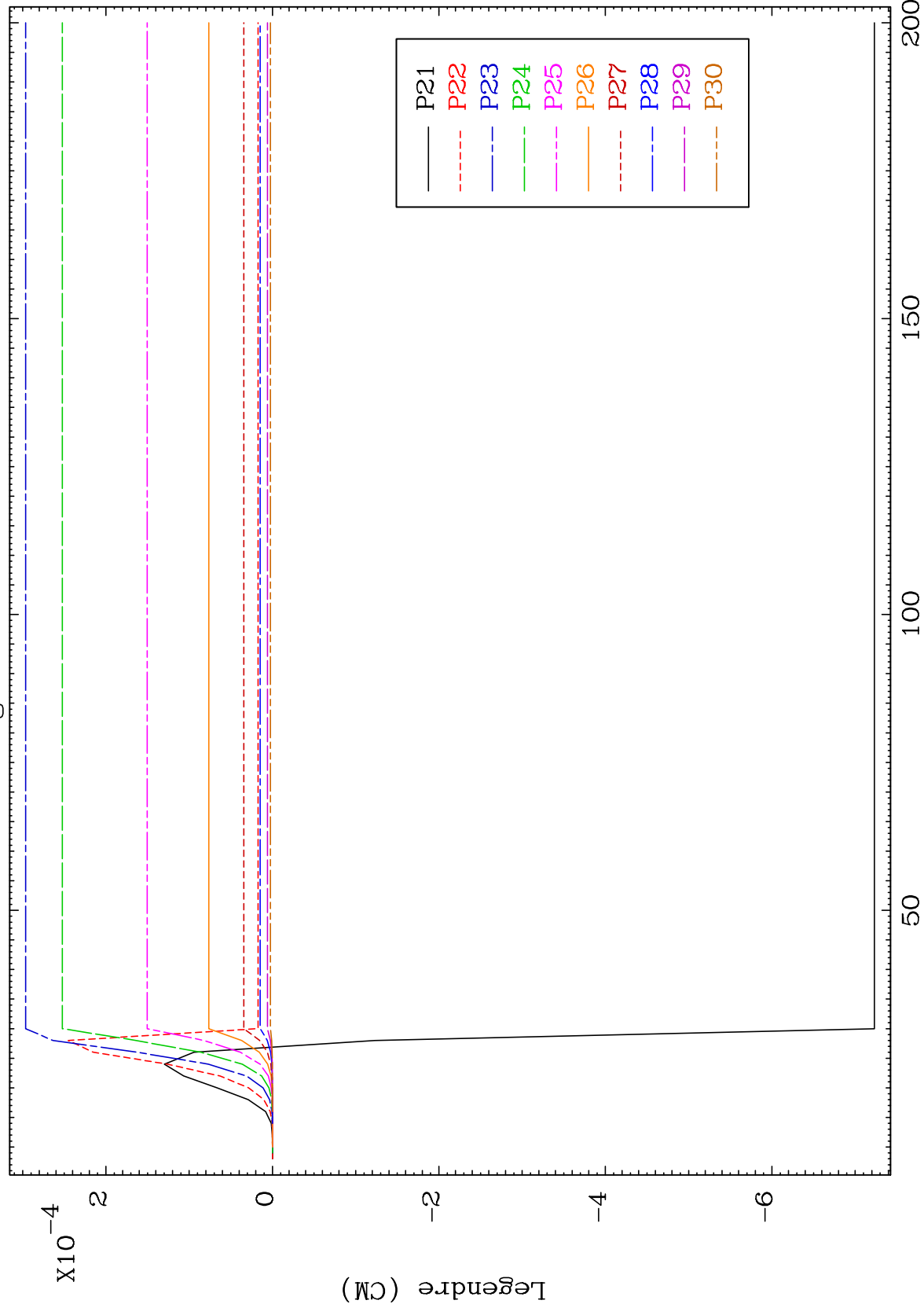


24

MAT 6437

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

64-Gd-156



25

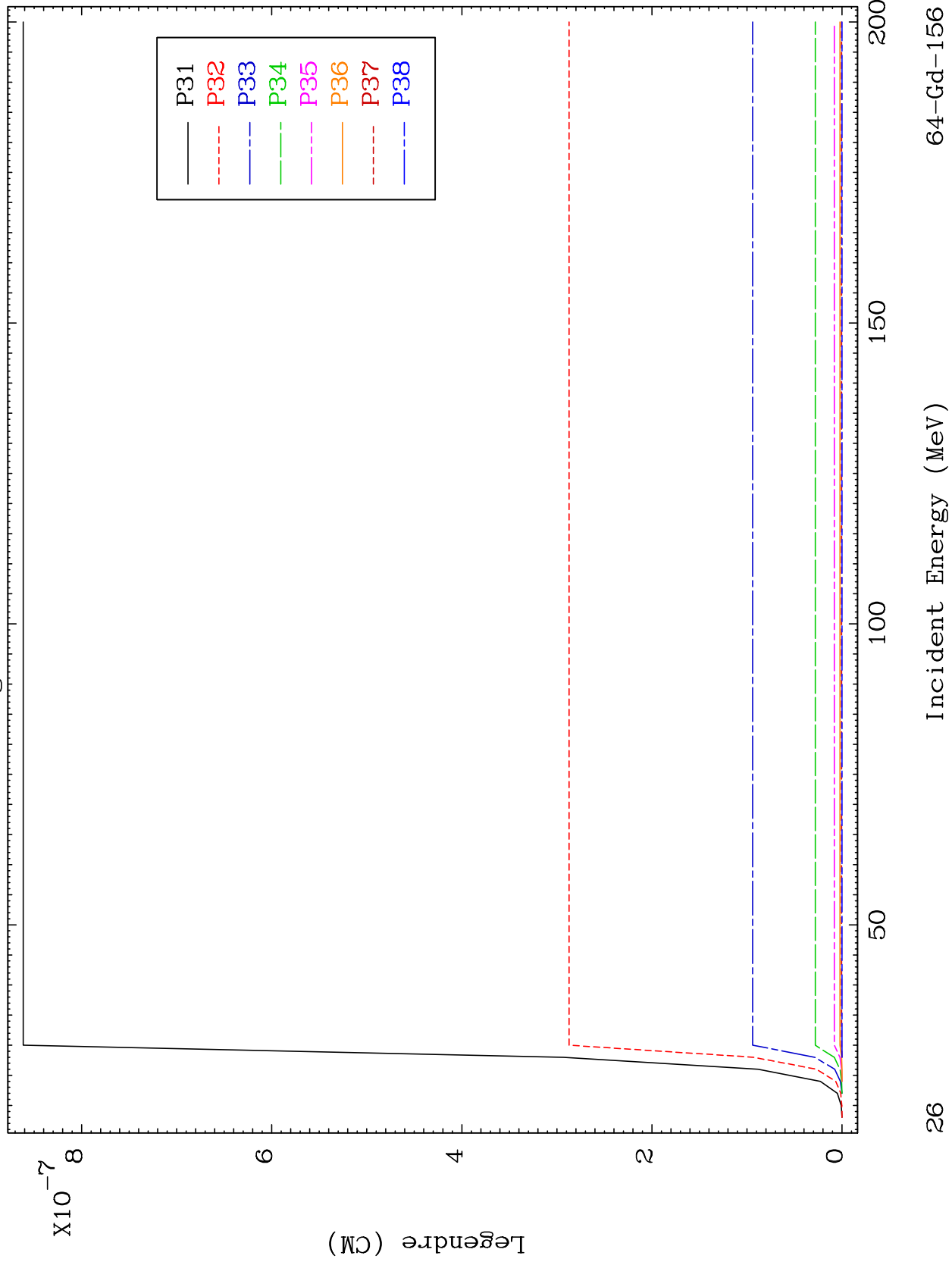
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



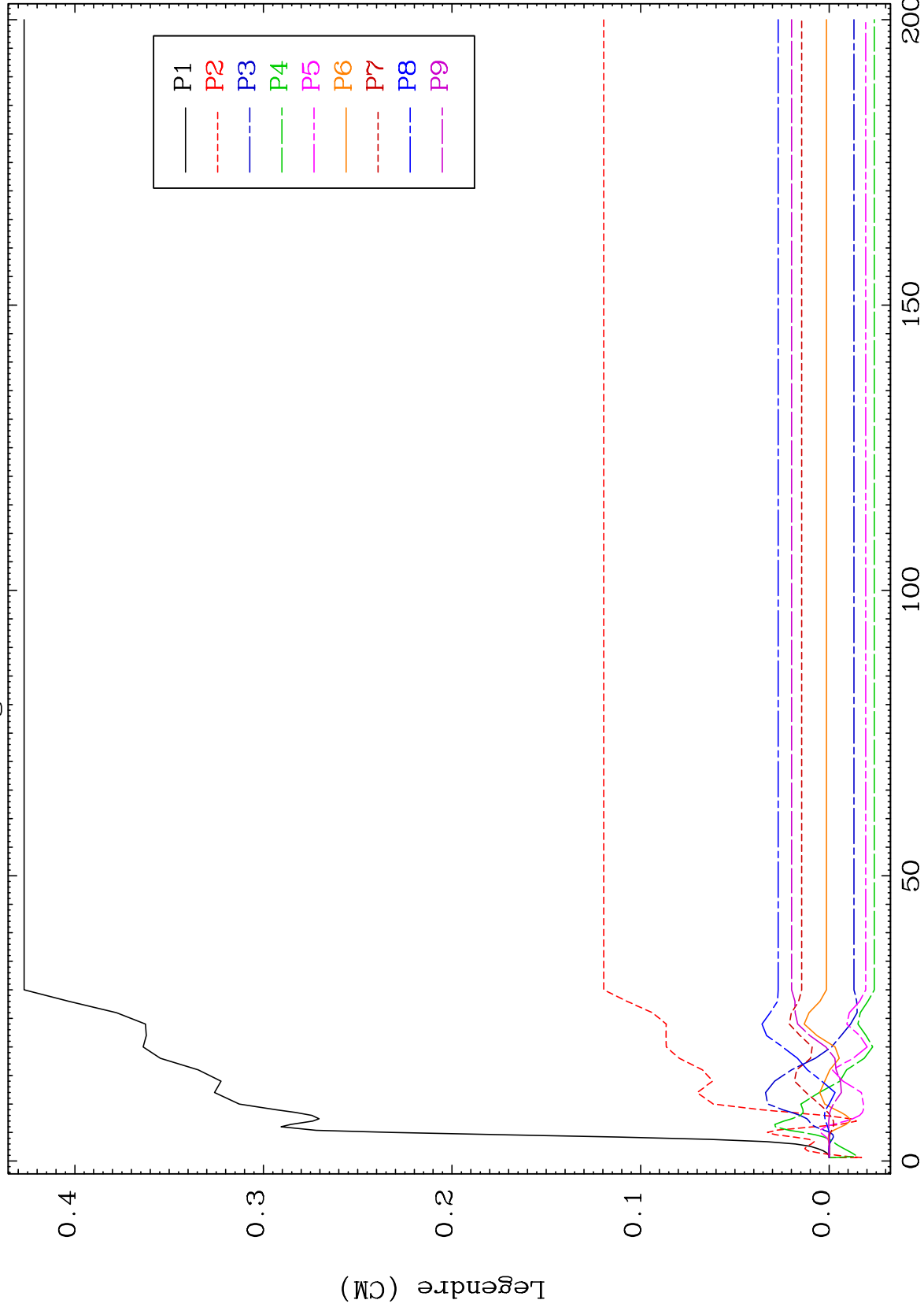
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64-Gd-156

MAT 6437

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

64-Gd-156



27

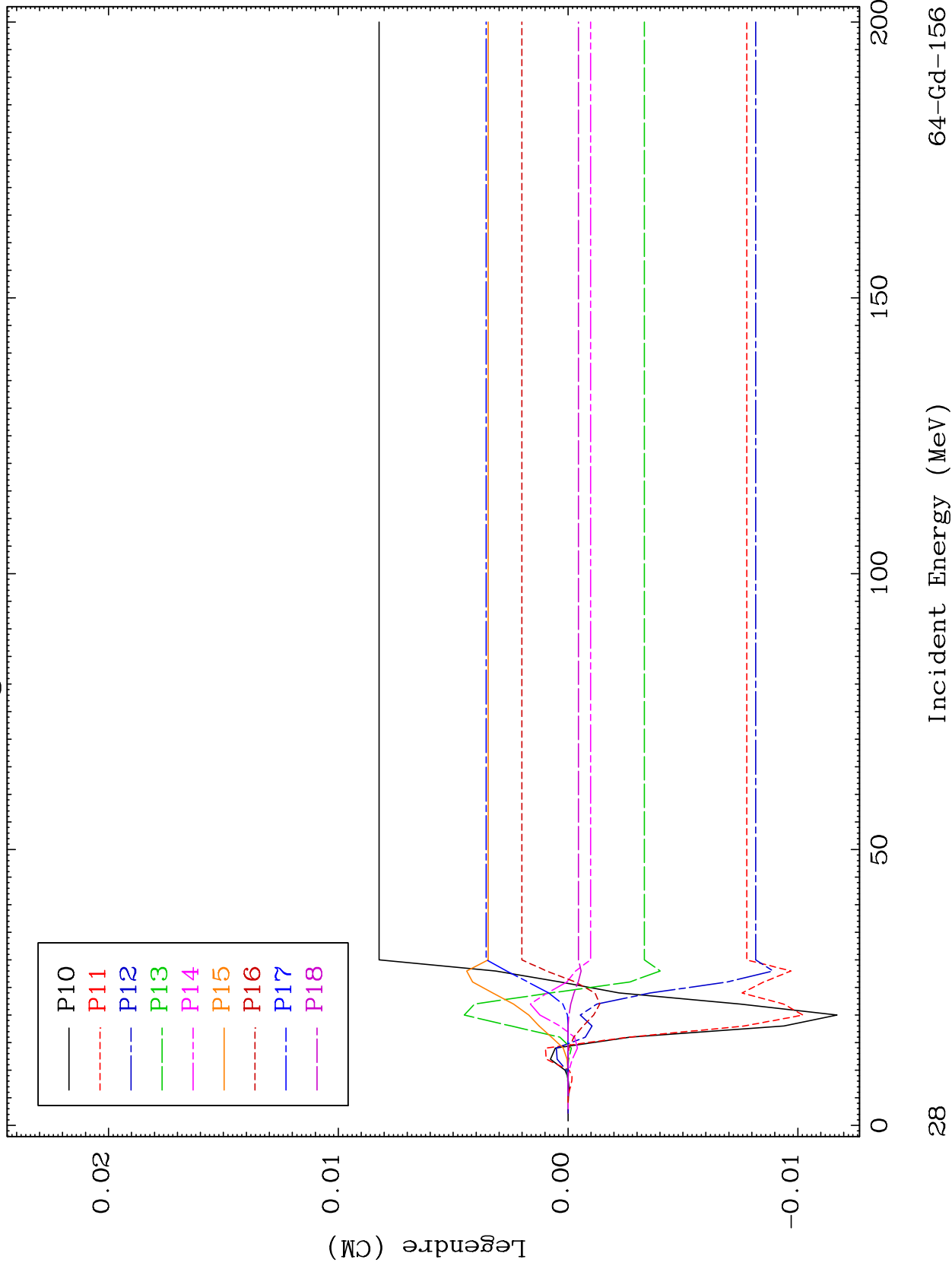
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



28

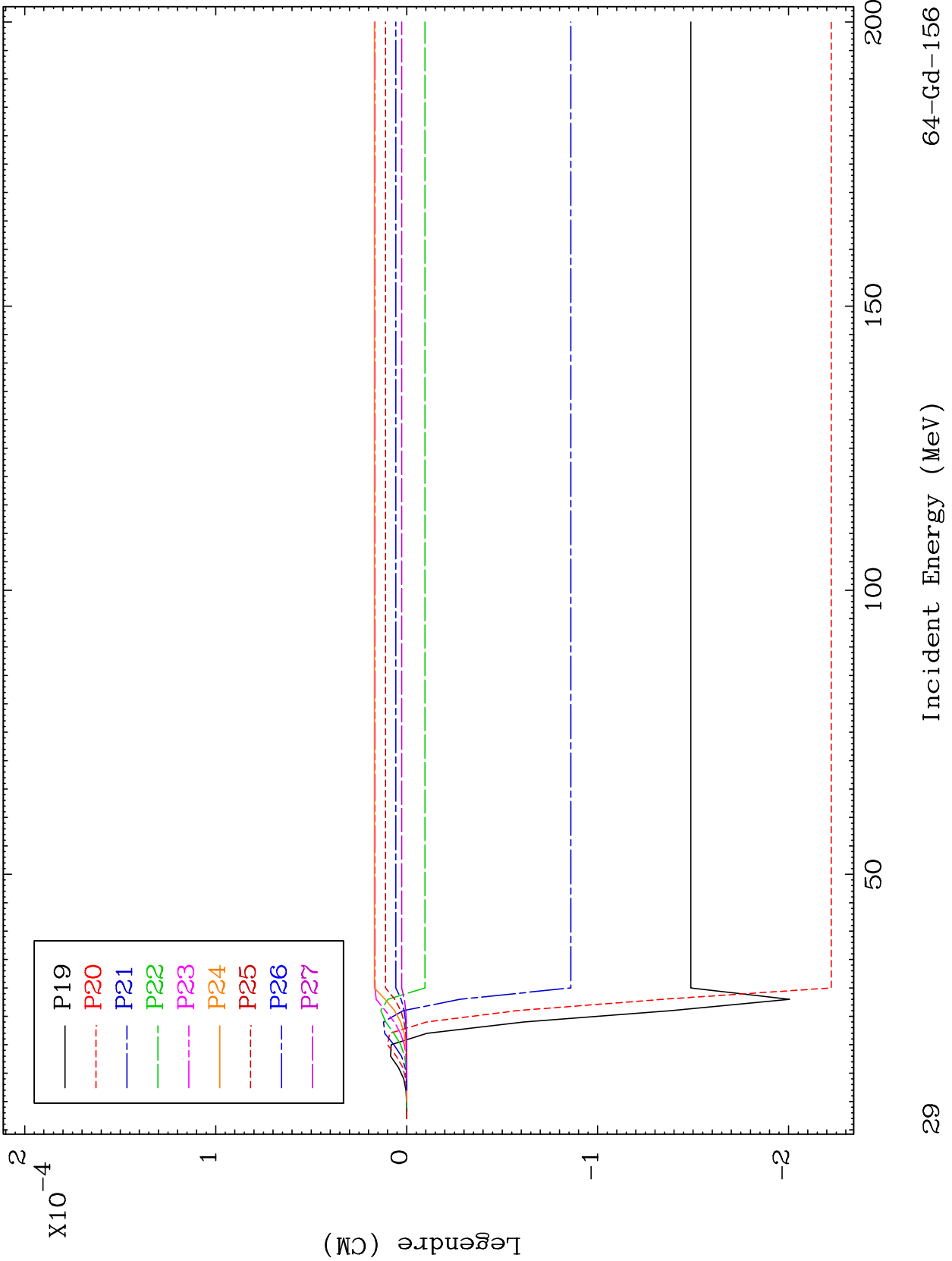
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

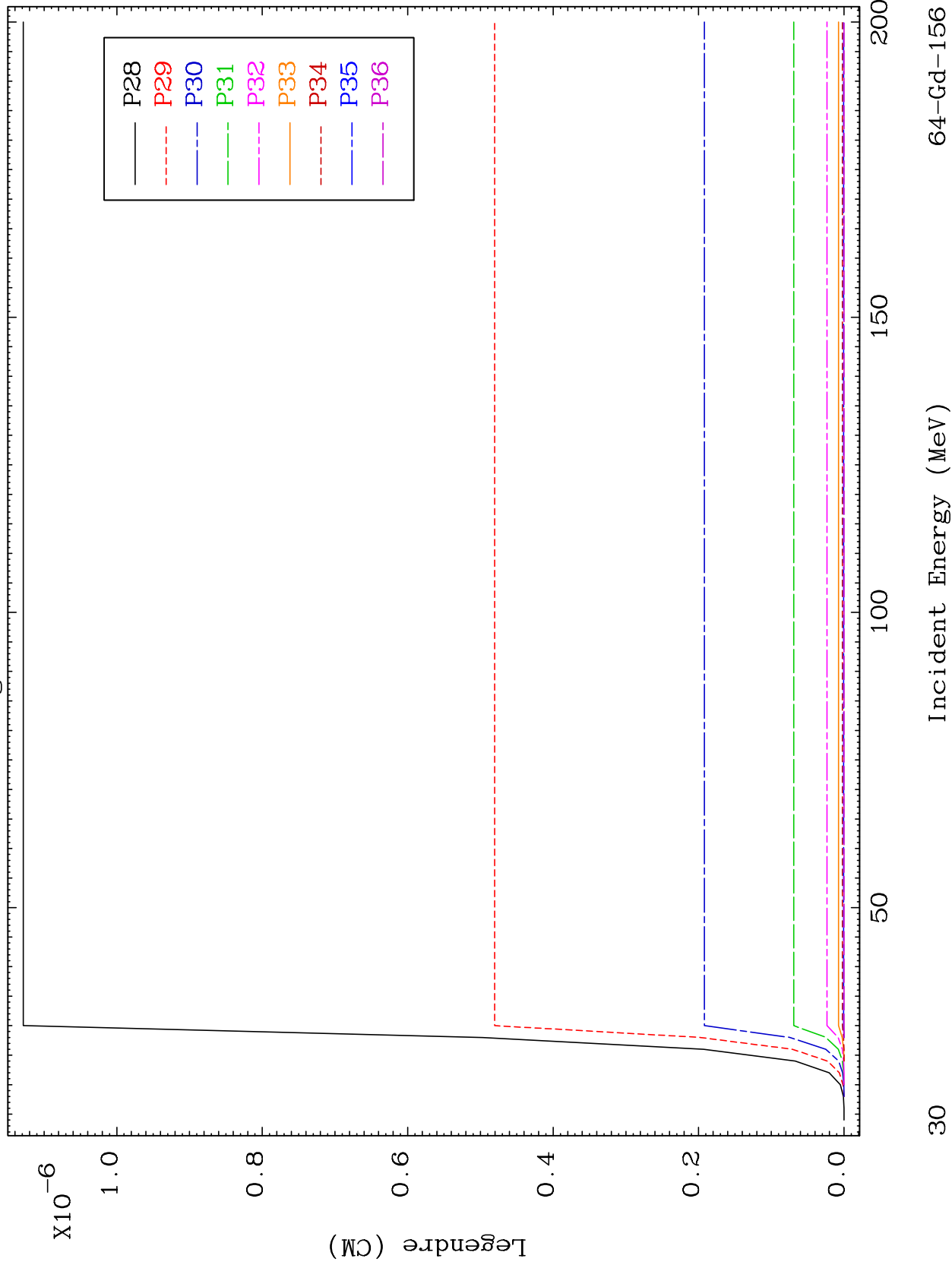
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MAT 6437

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

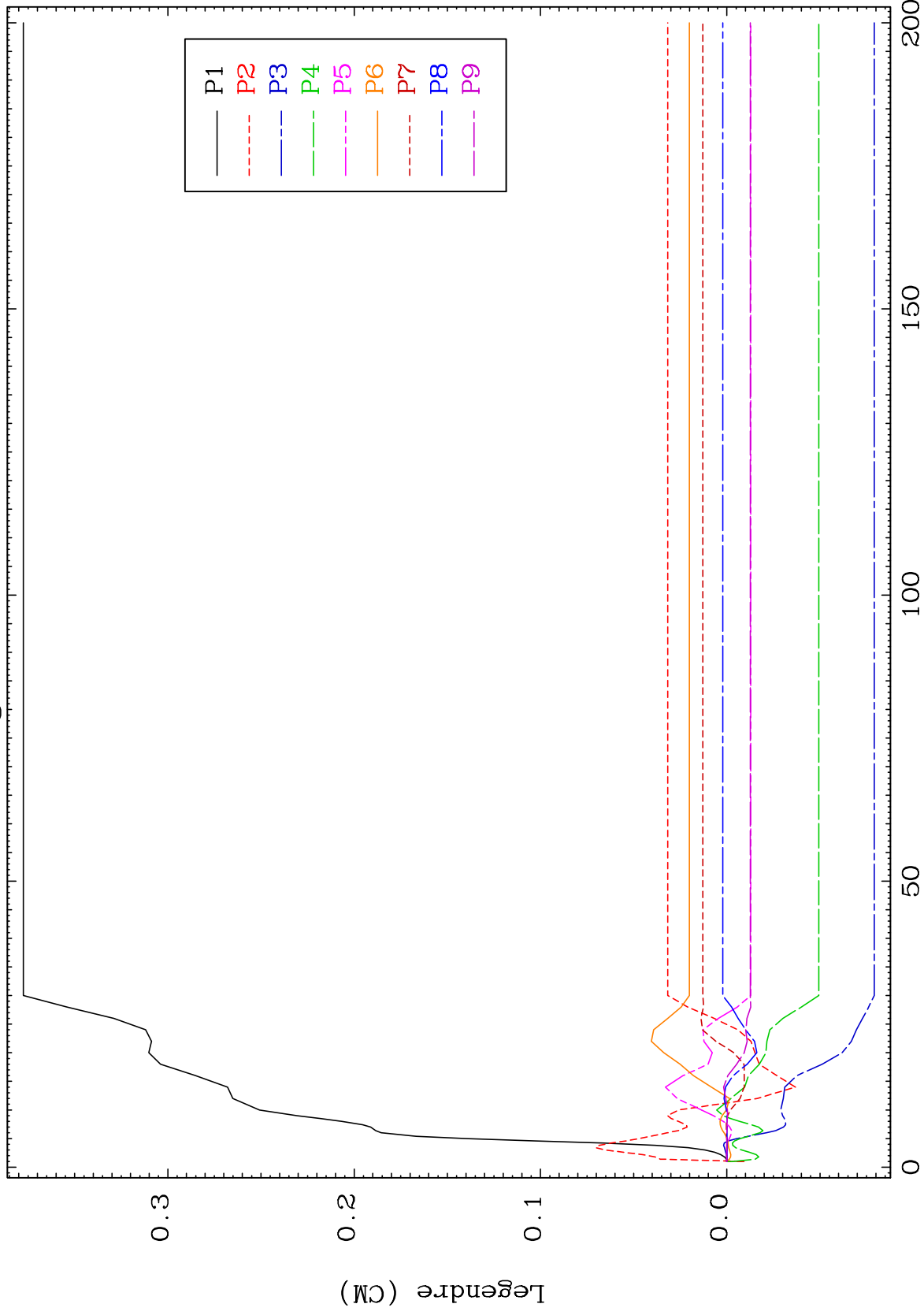
64-Gd-156



MAT 6437

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

64-Gd-156



31

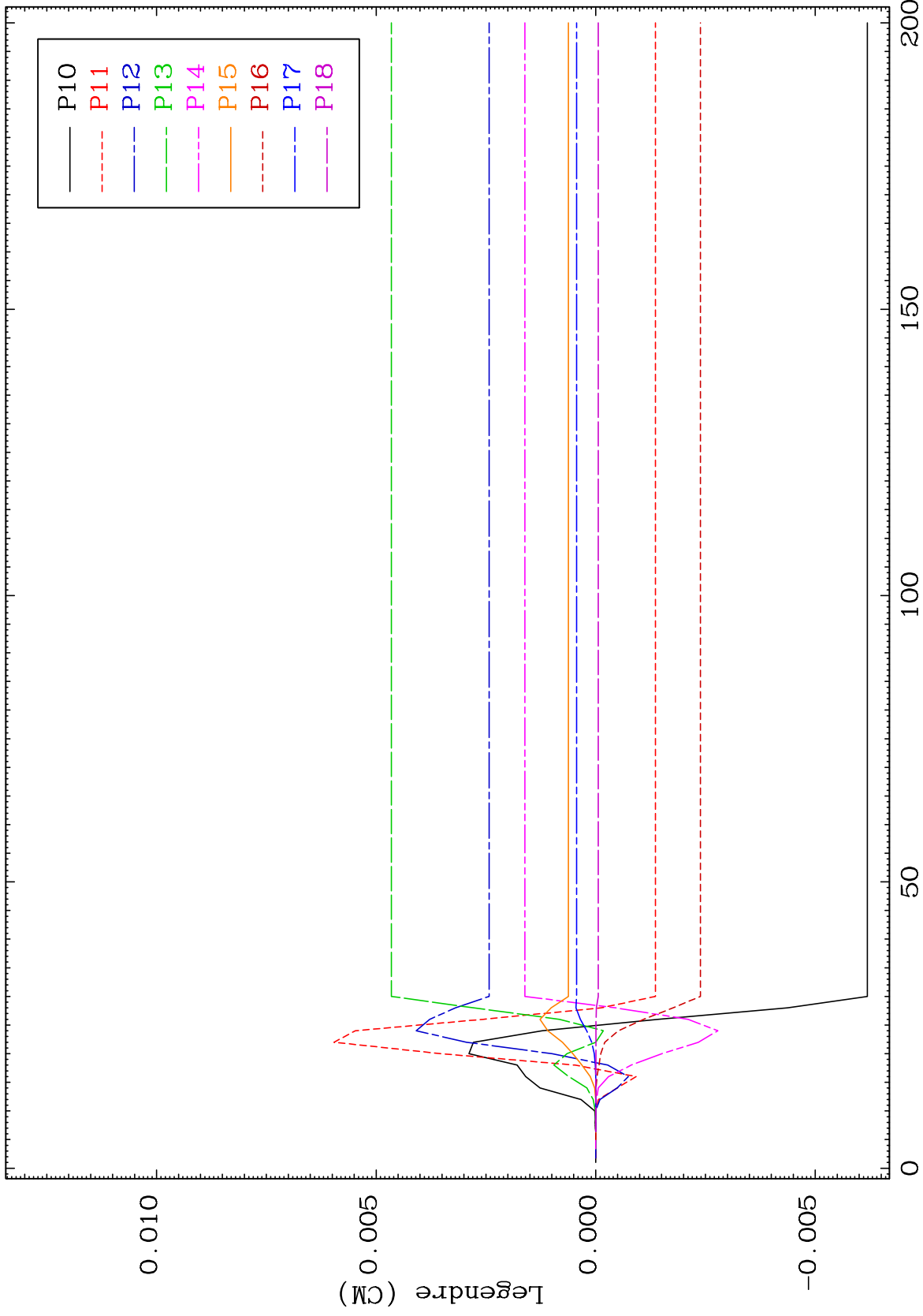
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

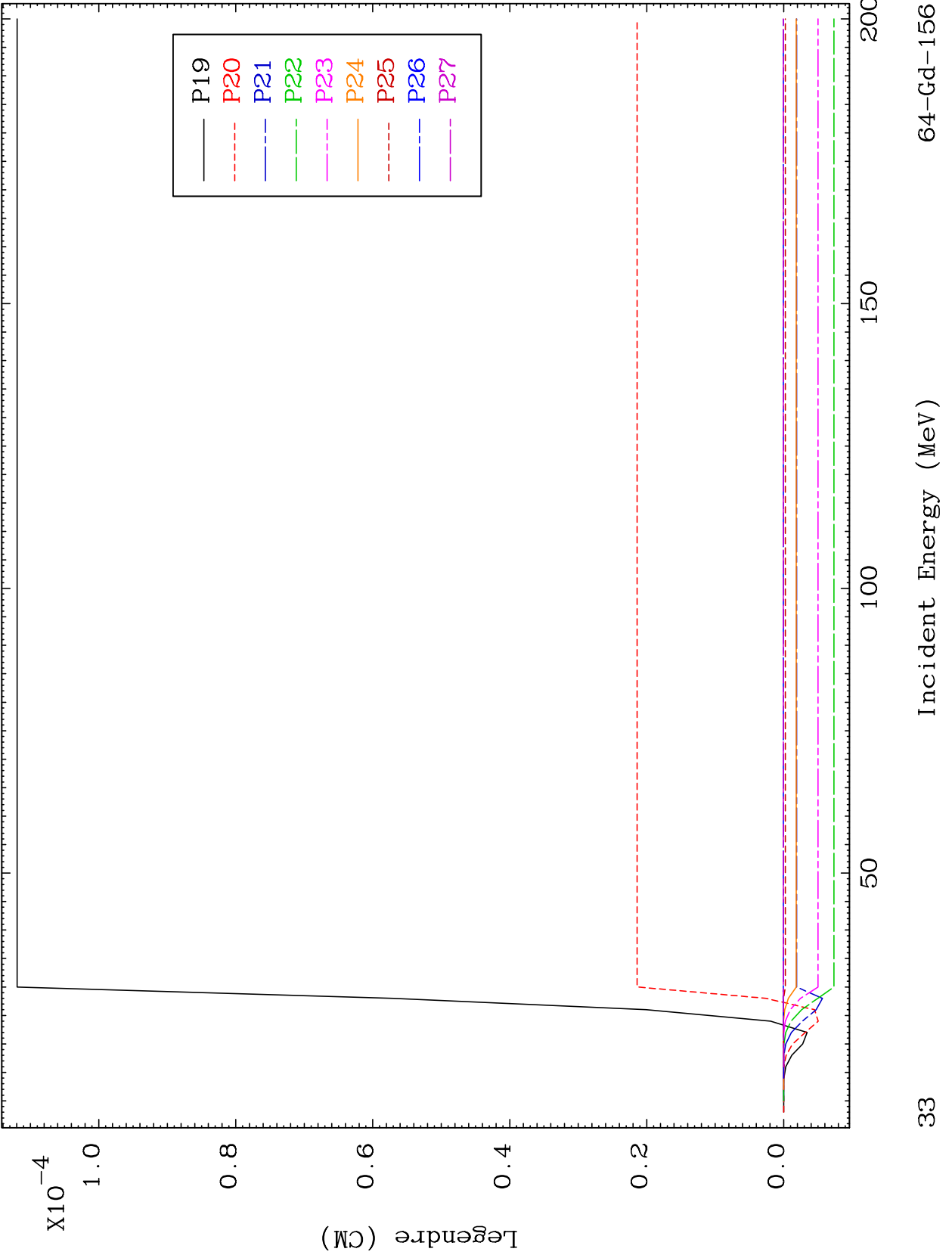
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32

Incident Energy (MeV)

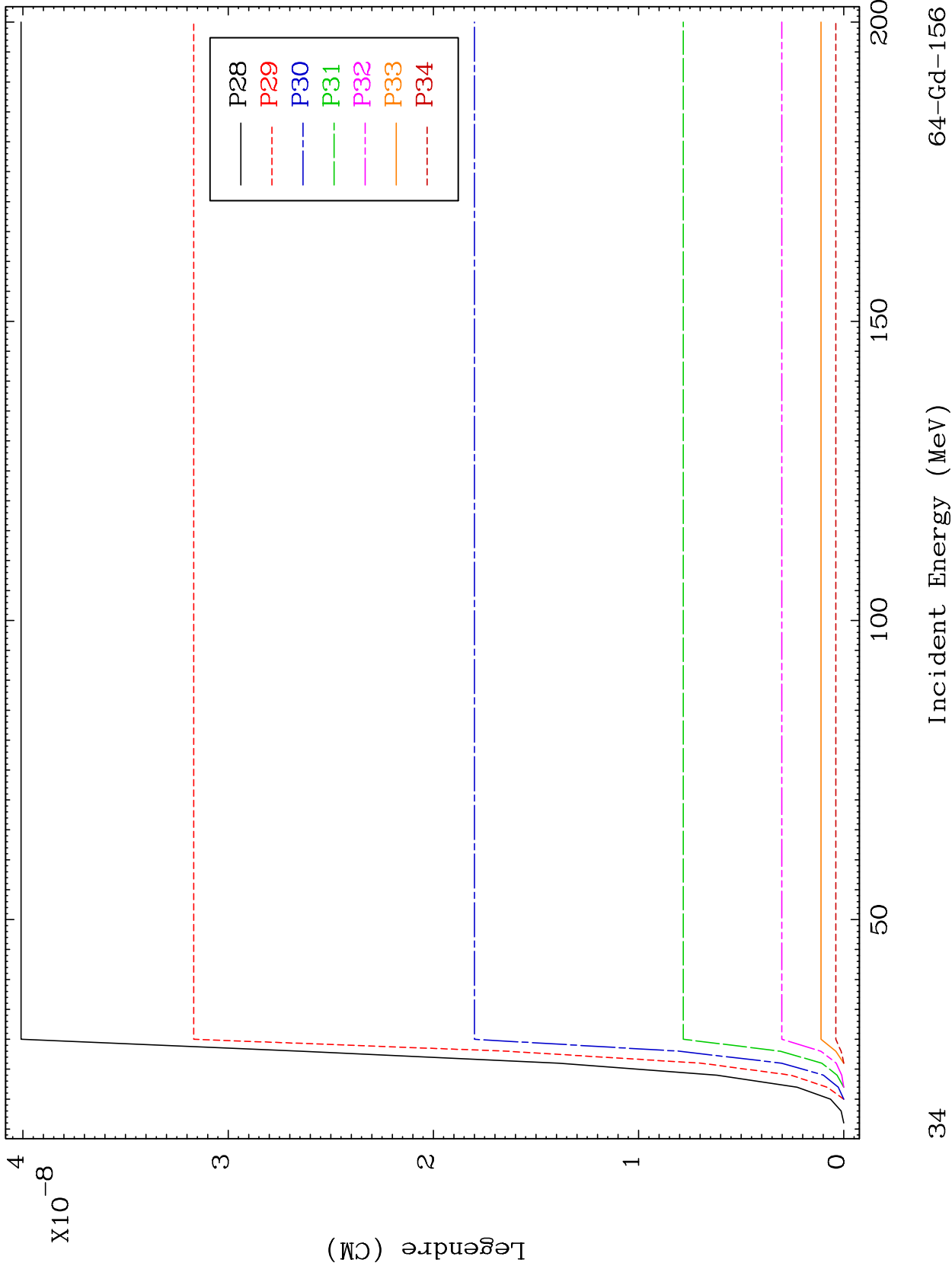
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MAT 6437

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

64-Gd-156



34

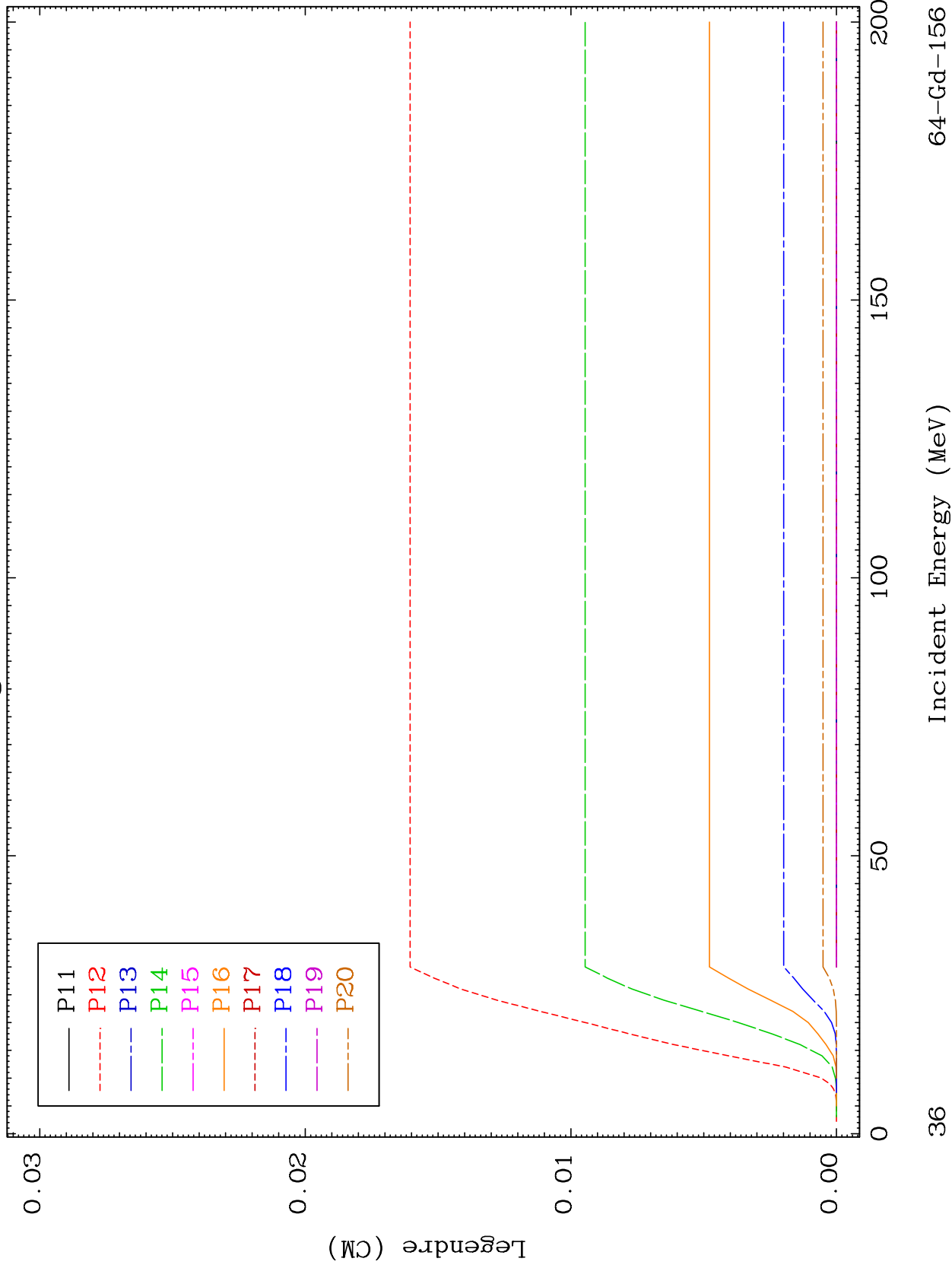
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



36

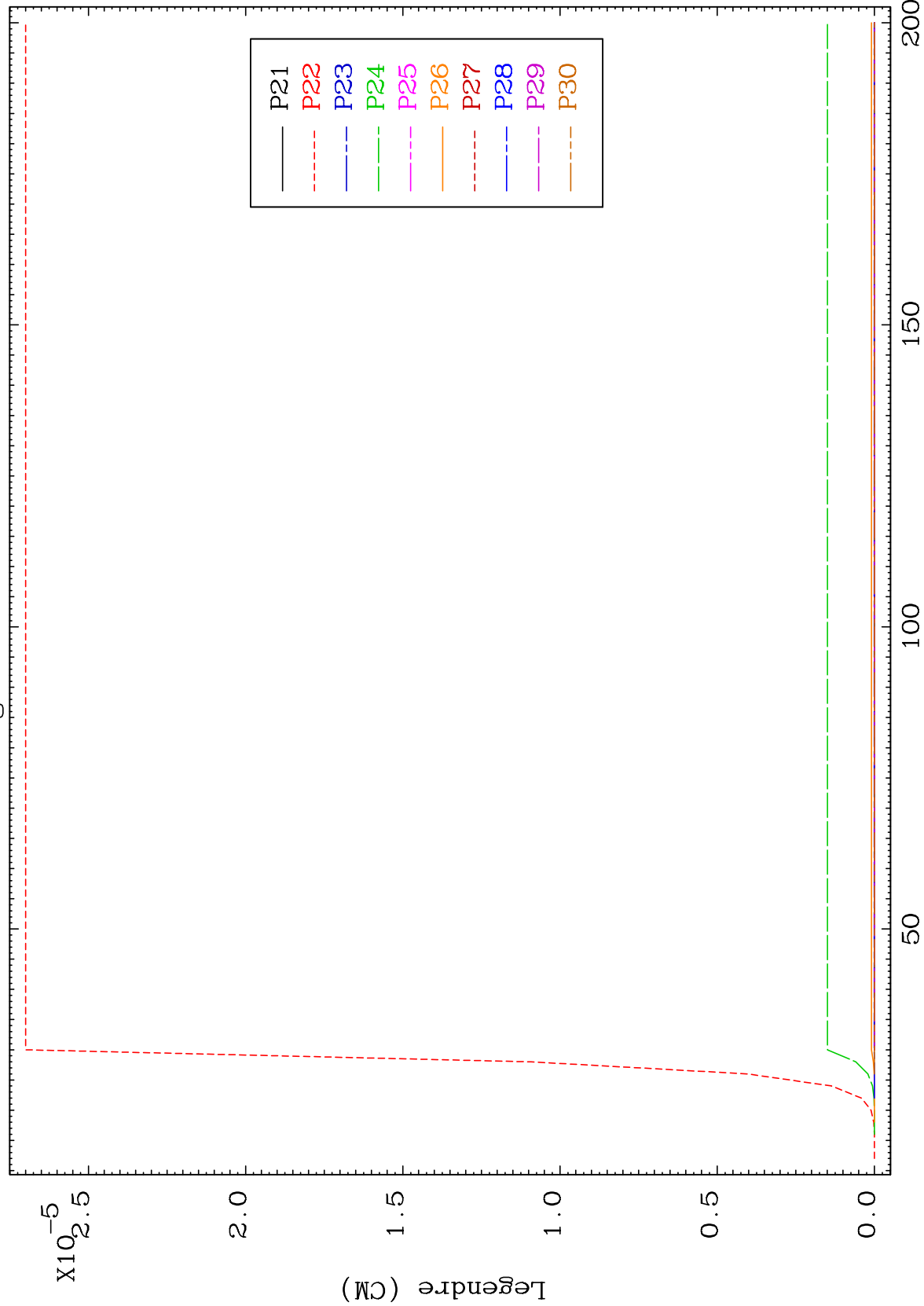
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



37

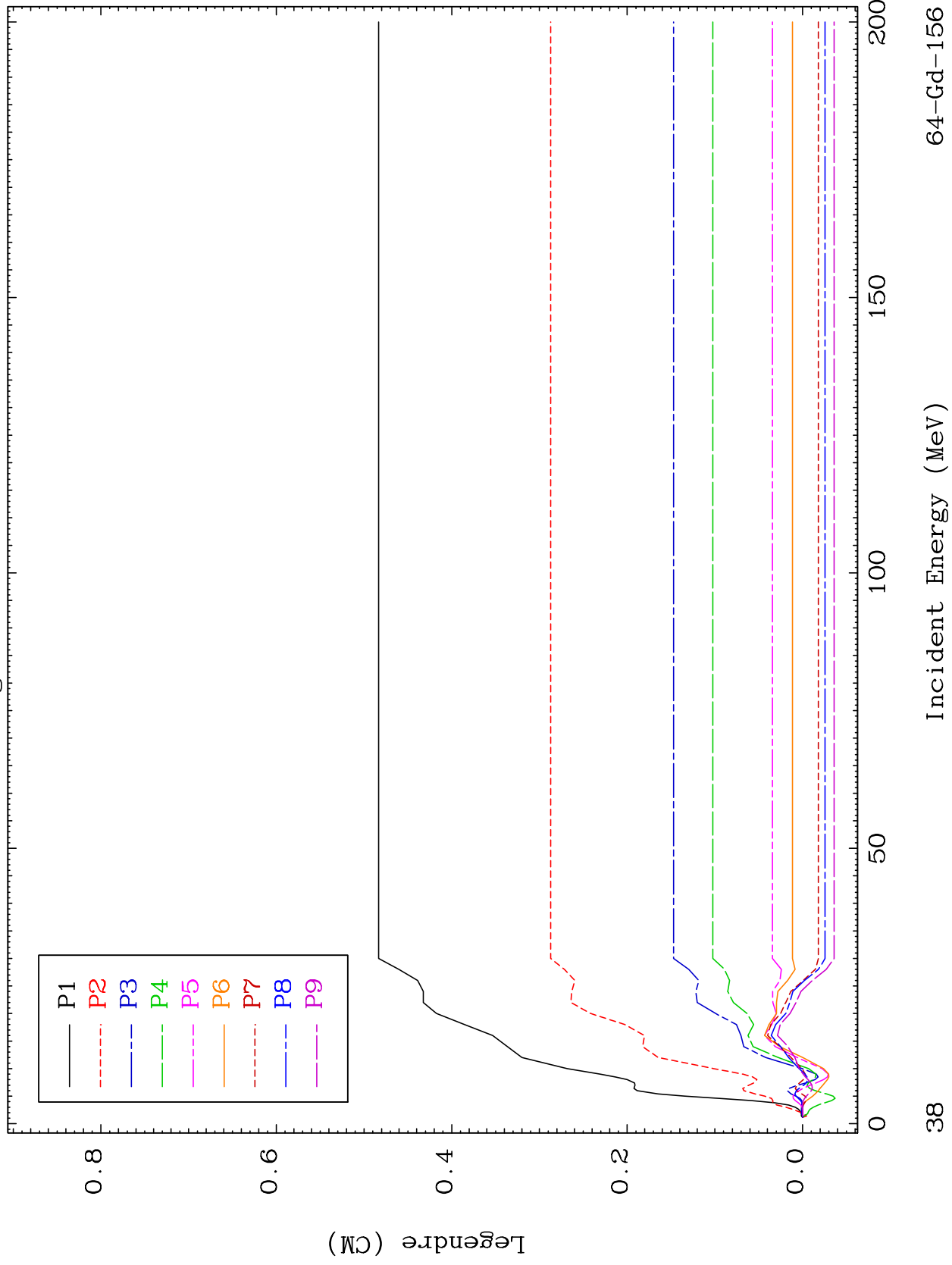
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



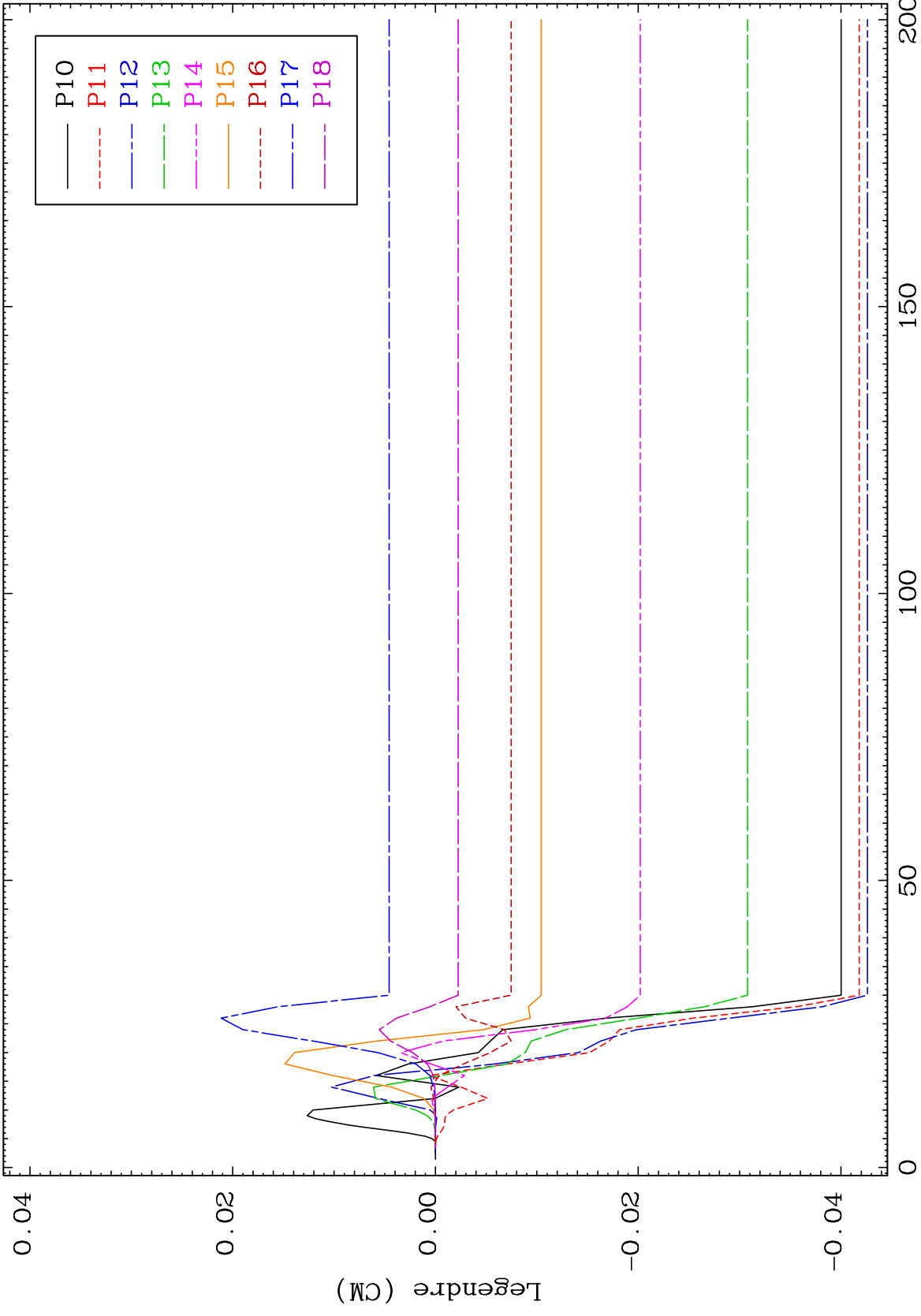
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64-Gd-156

MAT 6437

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

64-Gd-156



39

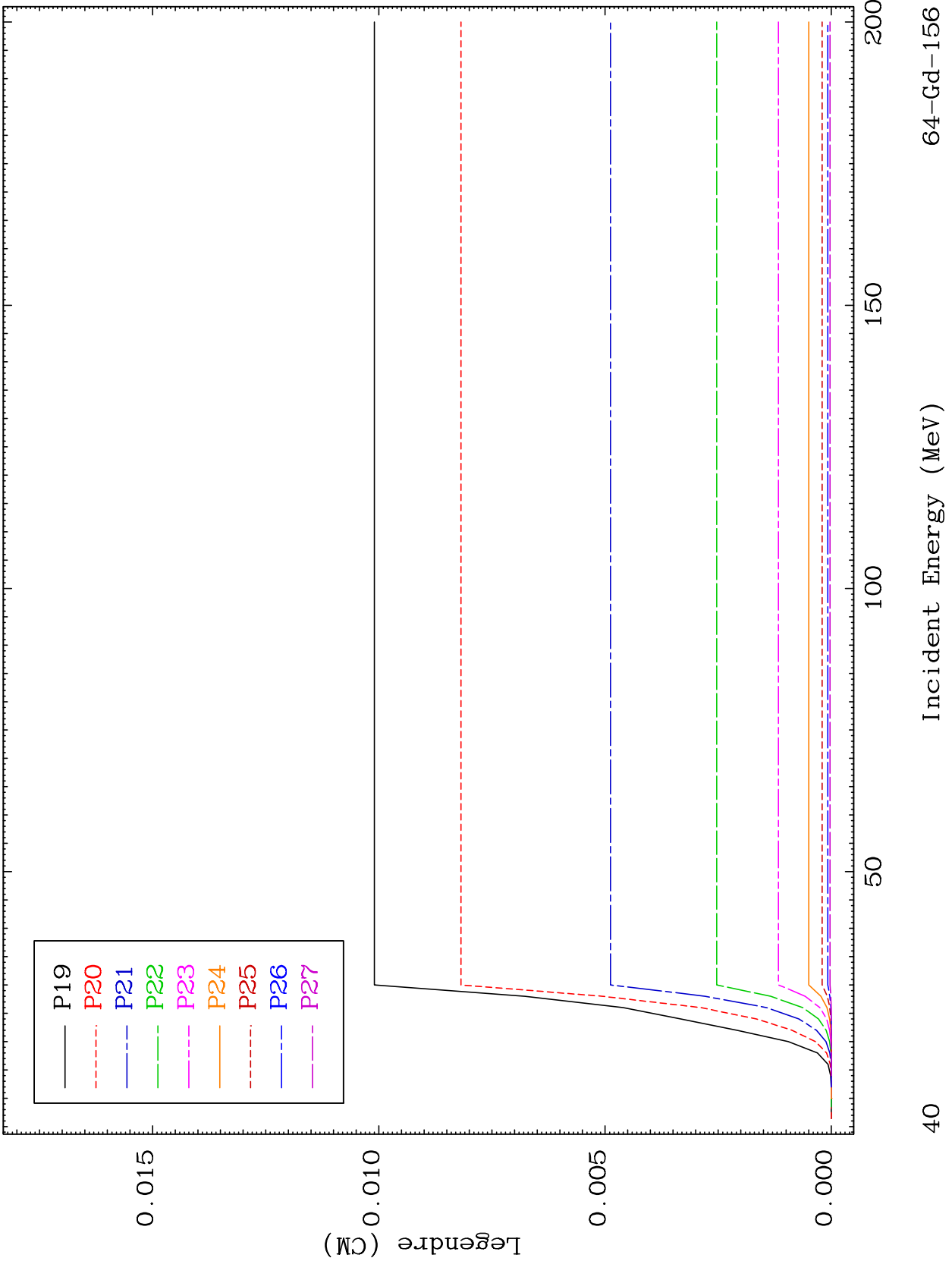
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



40

50

100

150

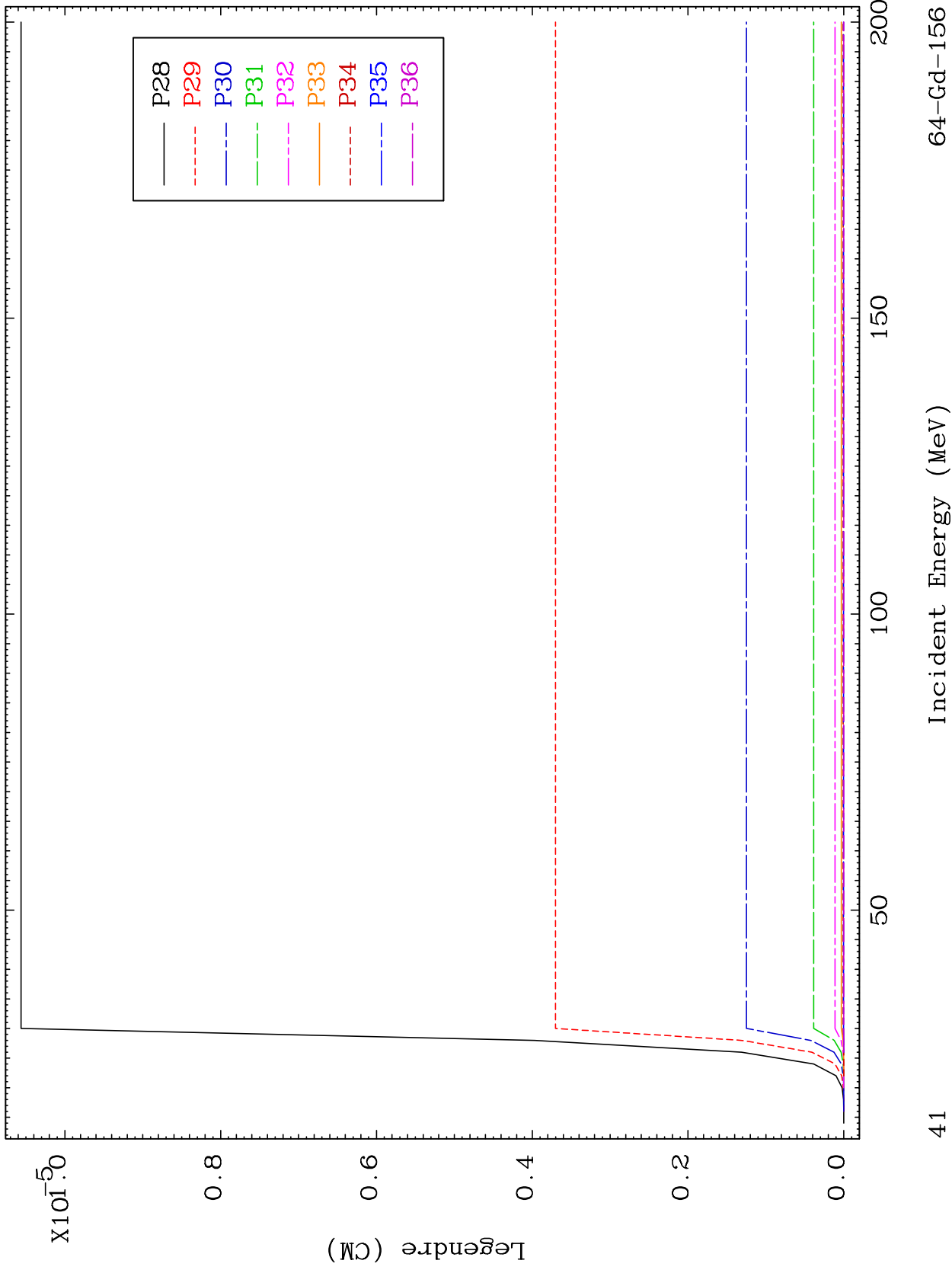
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64-Gd-156

MAT 6437

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

64-Gd-156

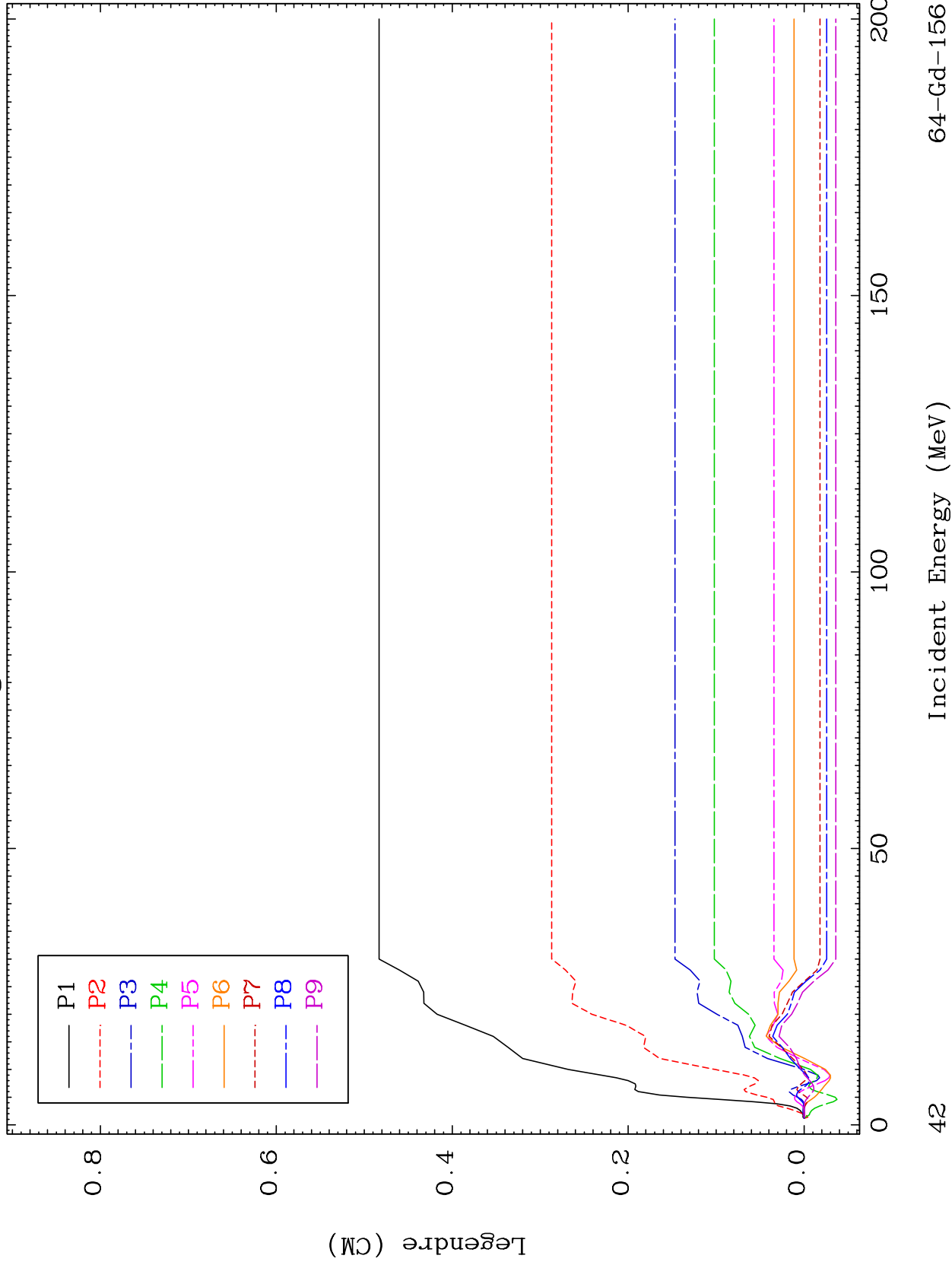


41

MAT 6437

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

64-Gd-156

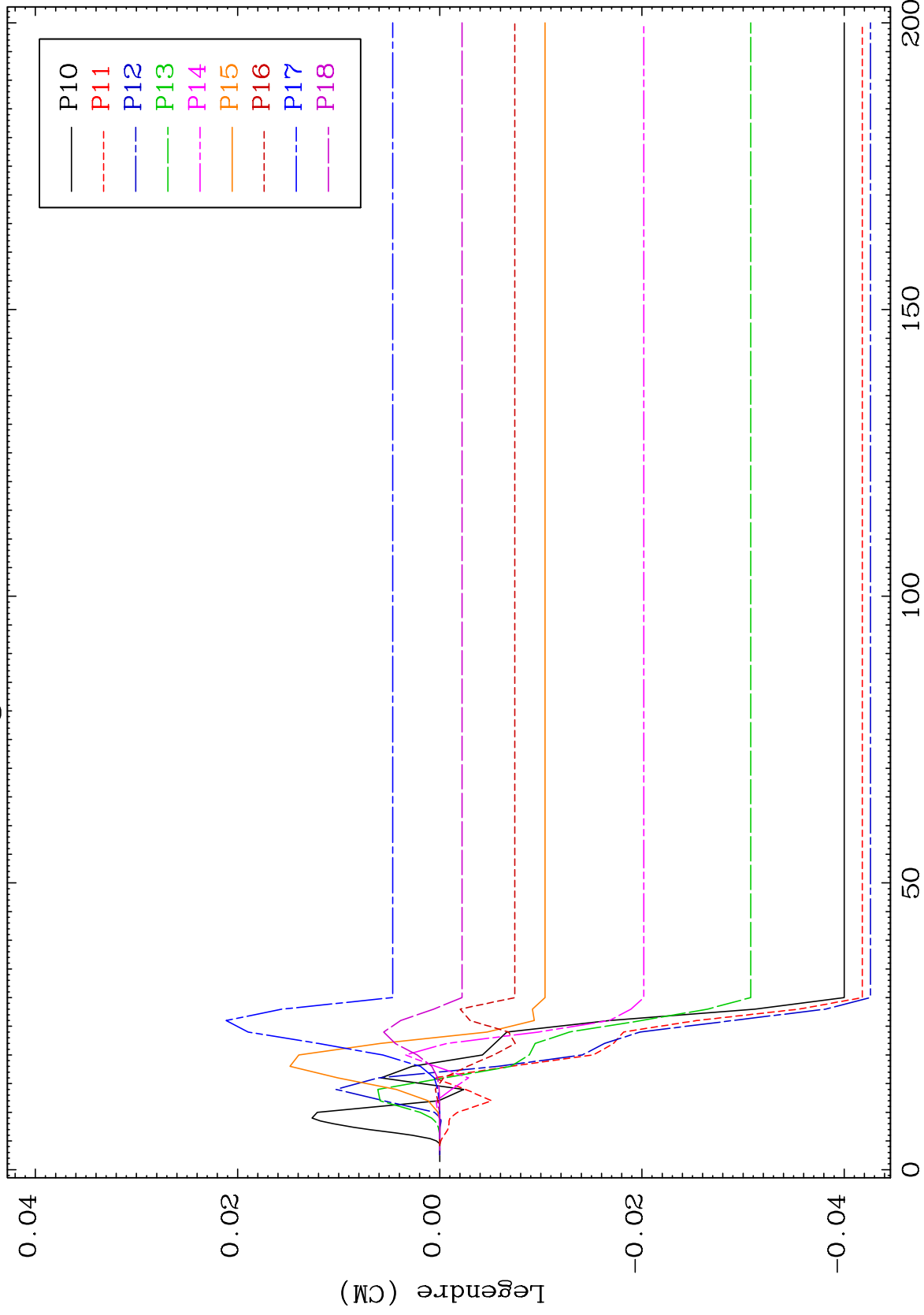


42

MAT 6437

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

64-Gd-156



43

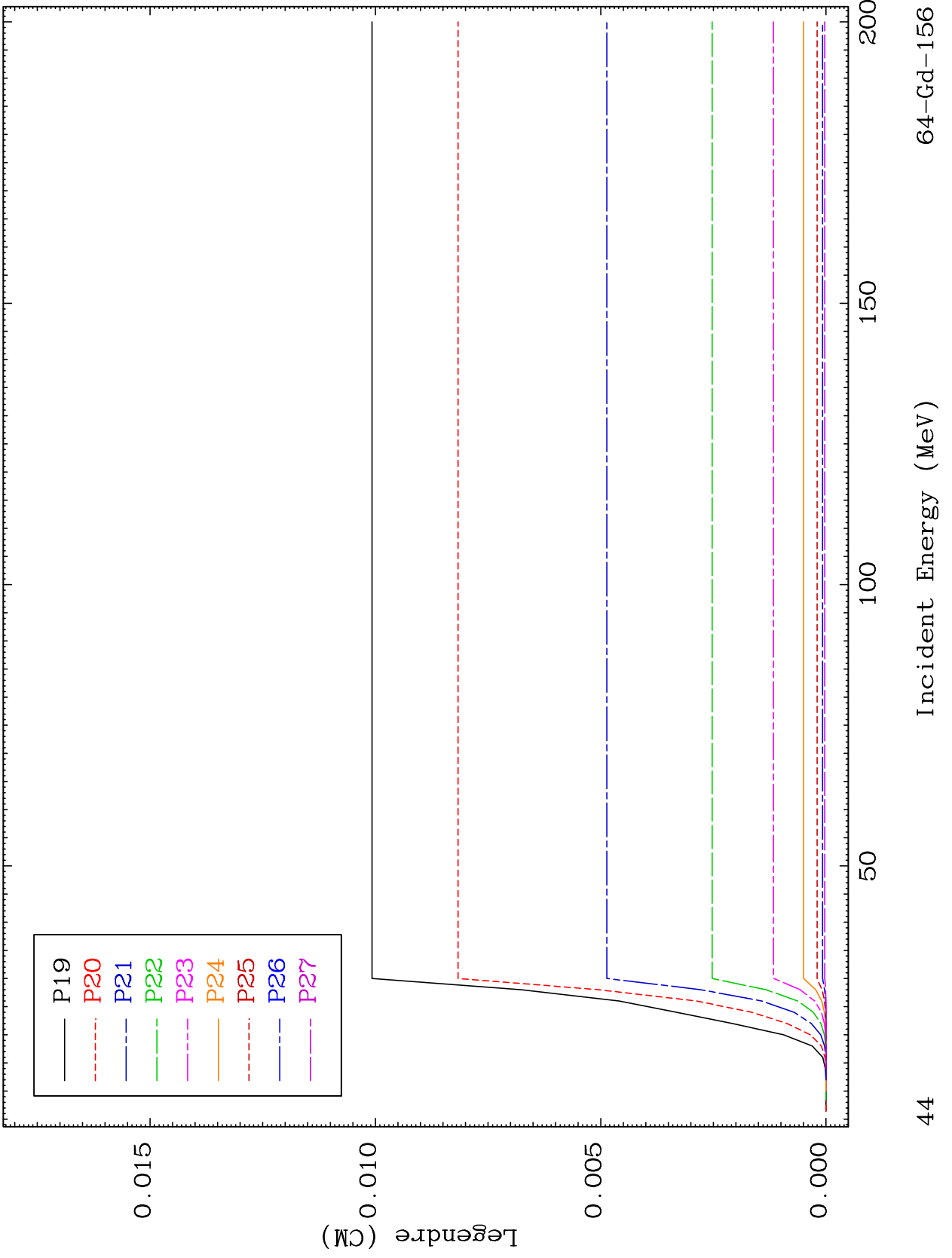
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



44

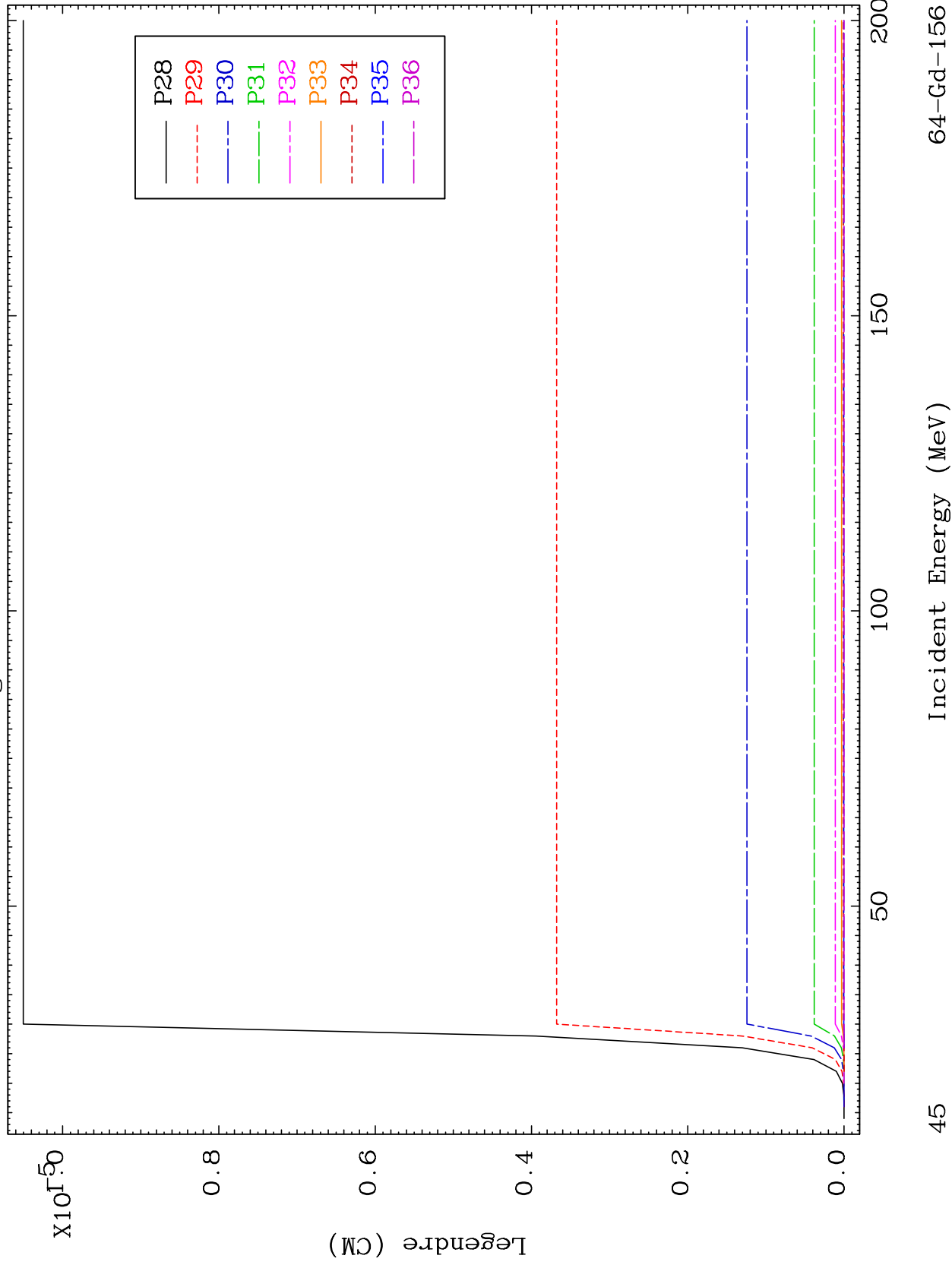
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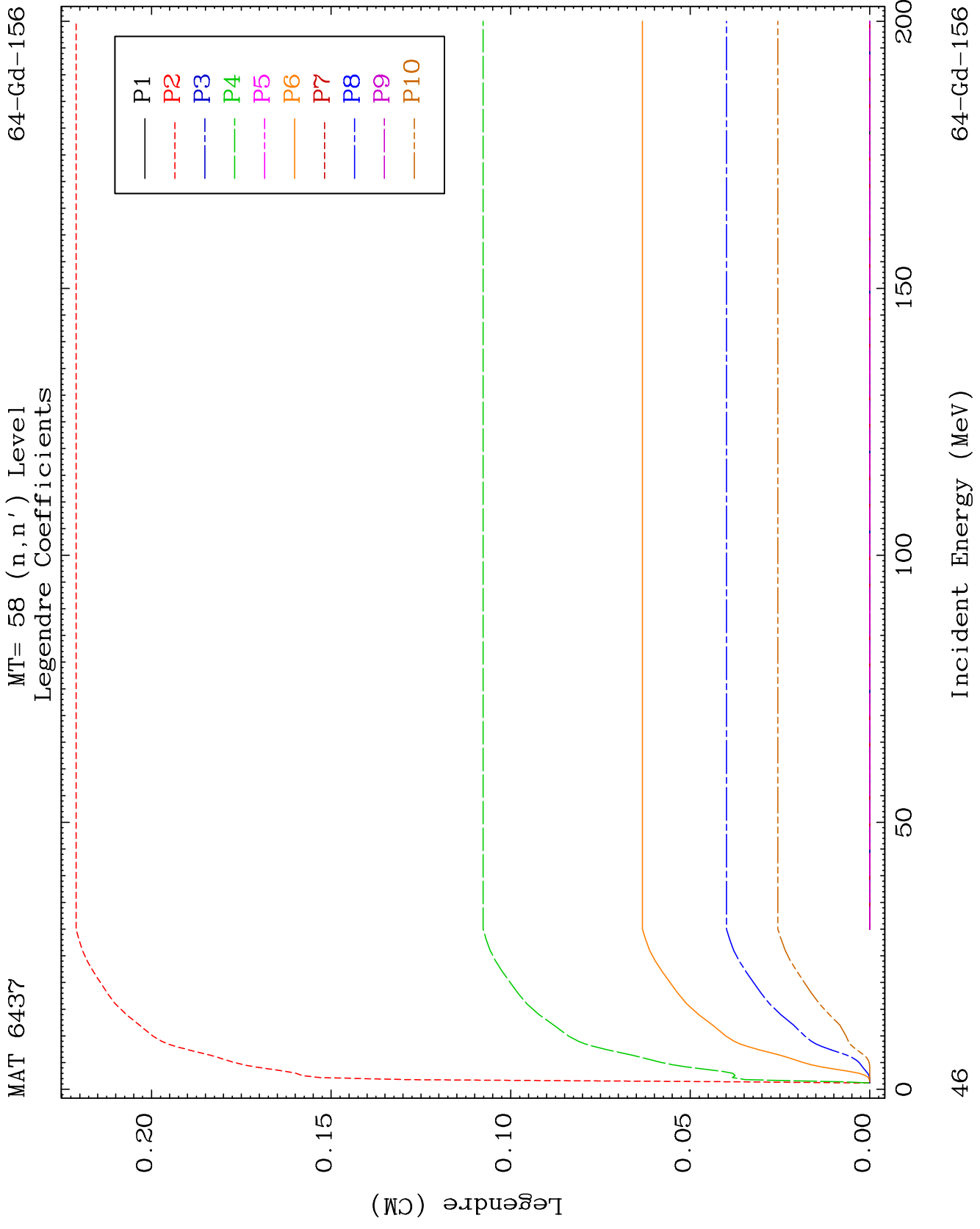
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MAT 6437

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

64-Gd-156

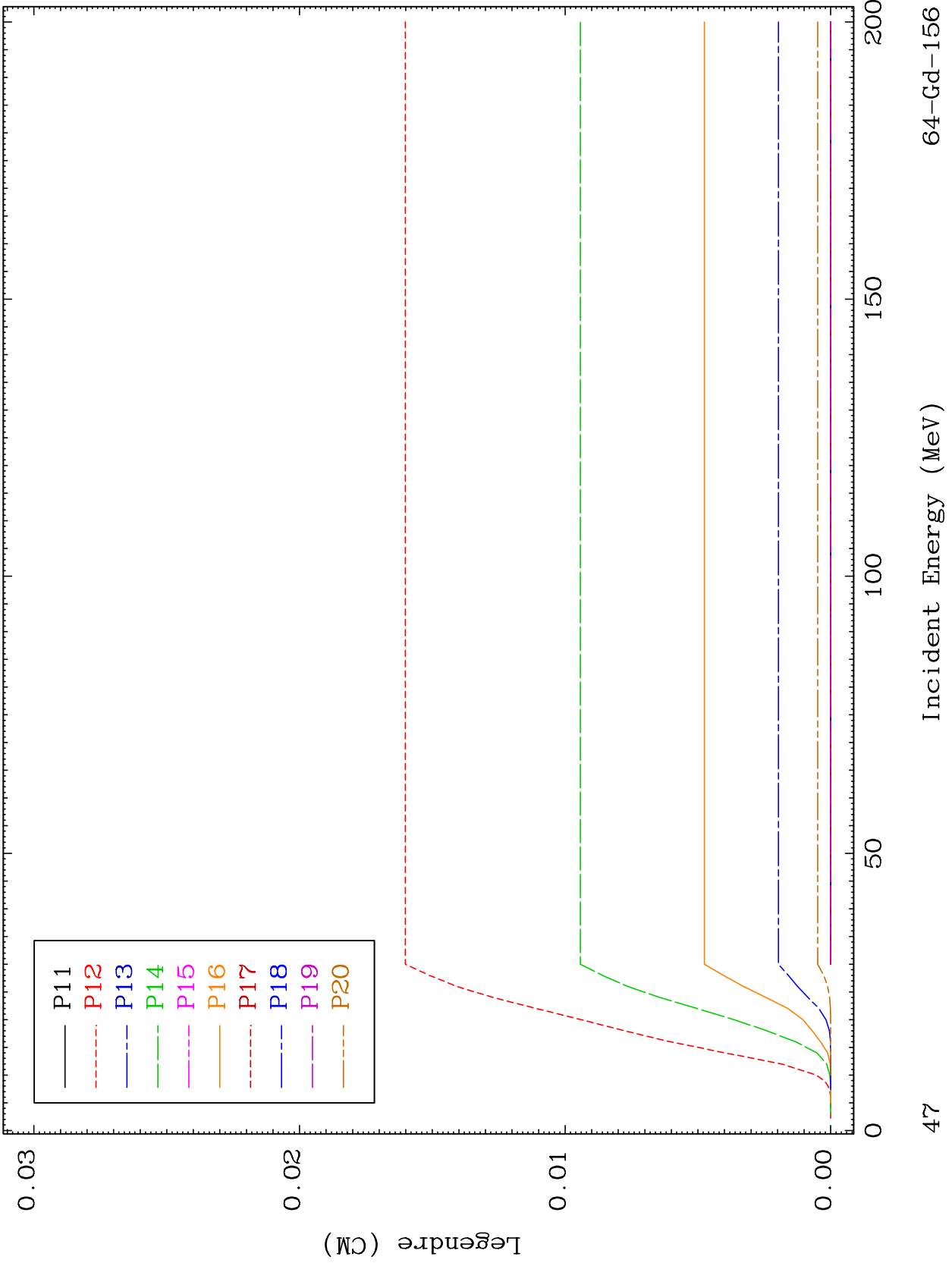




MAT 6437

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

64-Gd-156



47

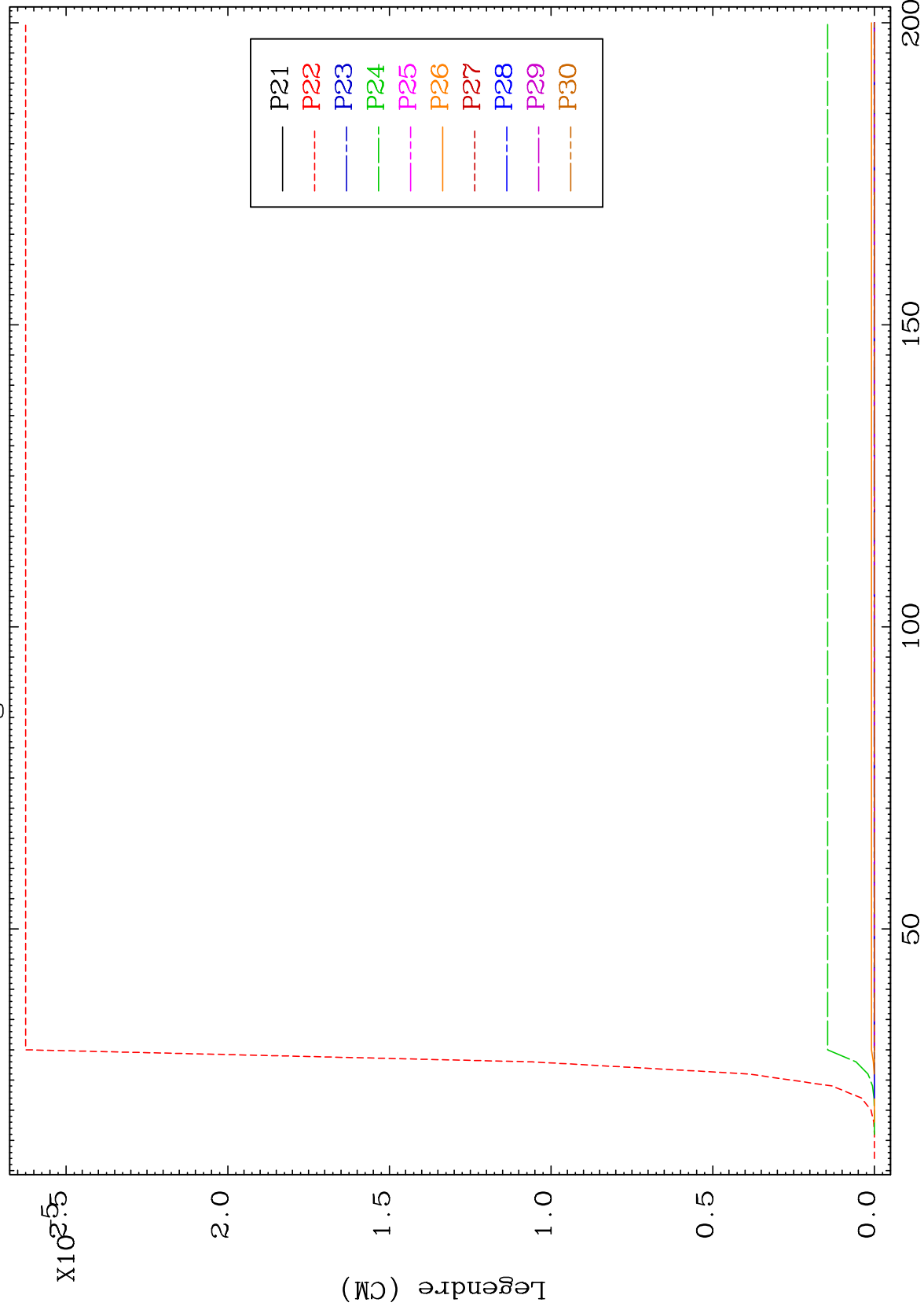
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



48

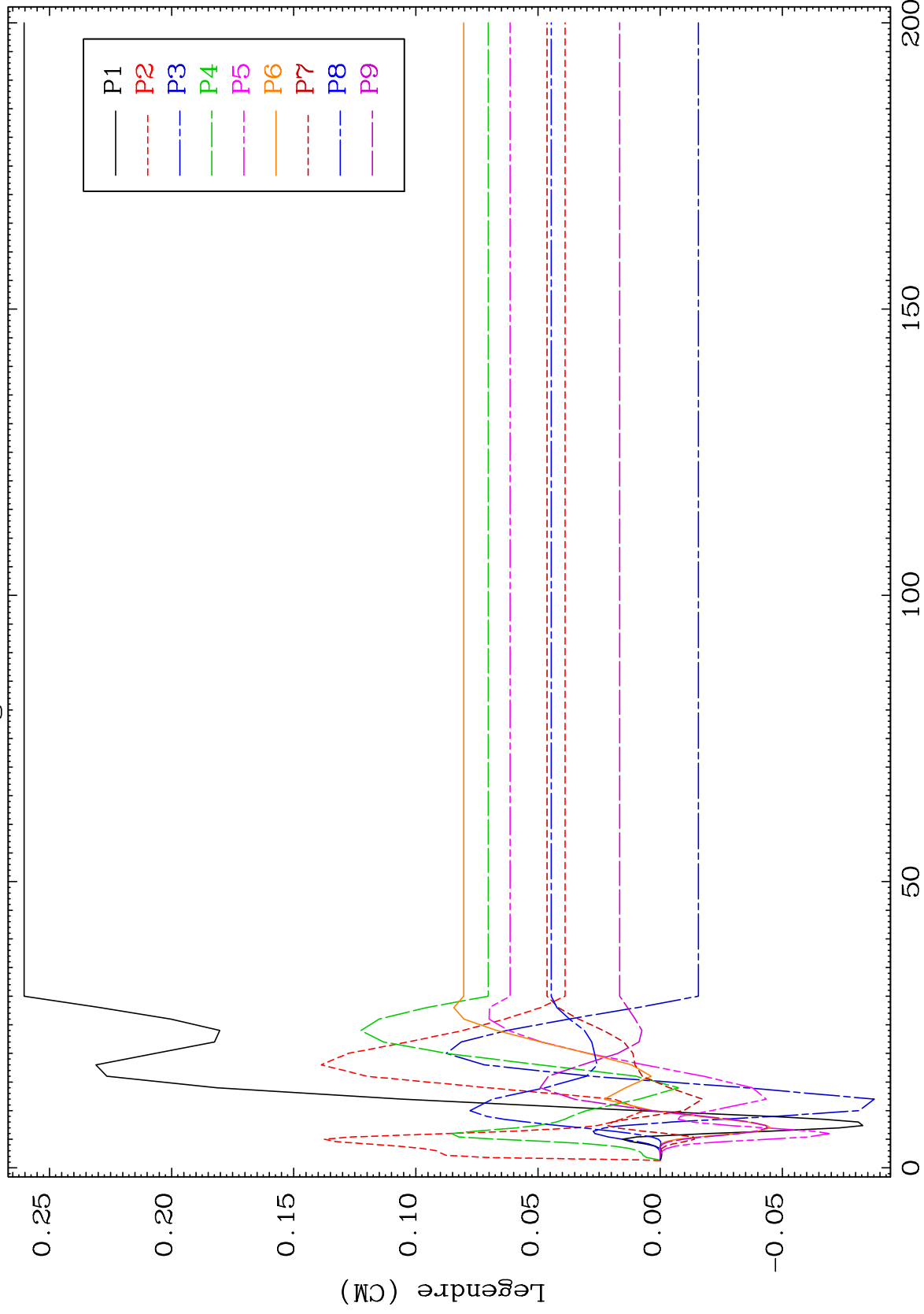
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



49

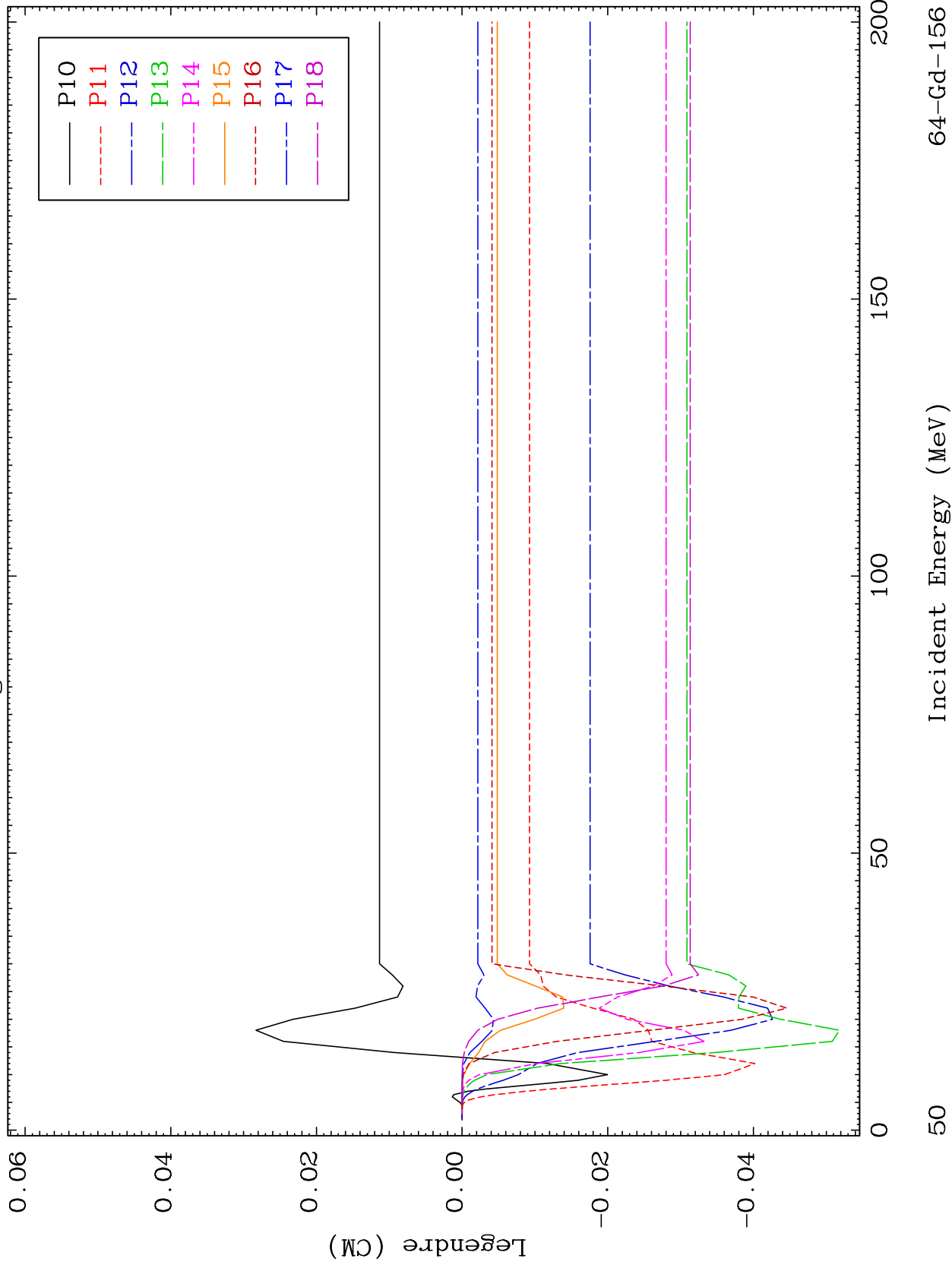
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



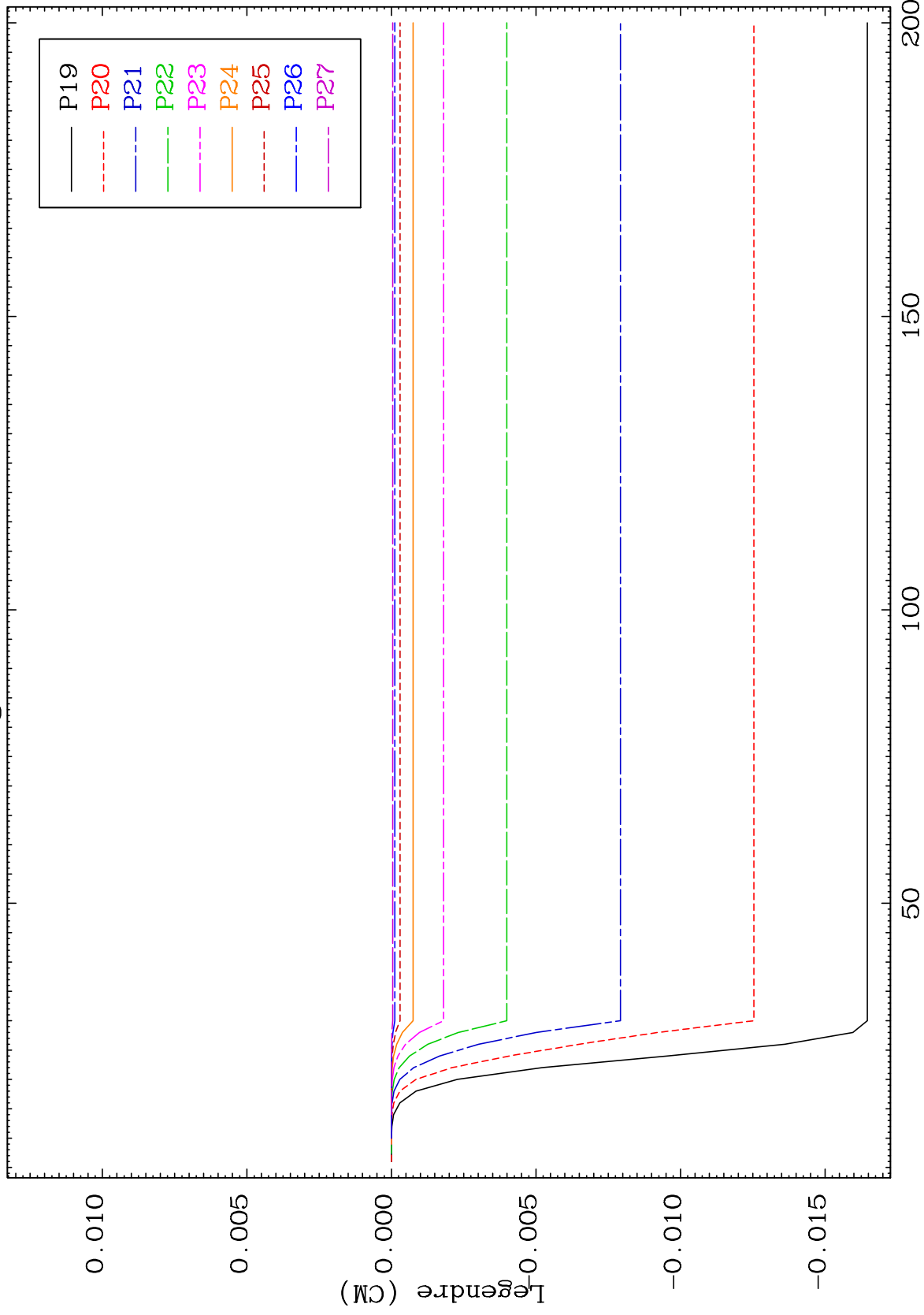
64-Gd-156

Incident Energy (MeV)

MAT 6437

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

64-Gd-156



51

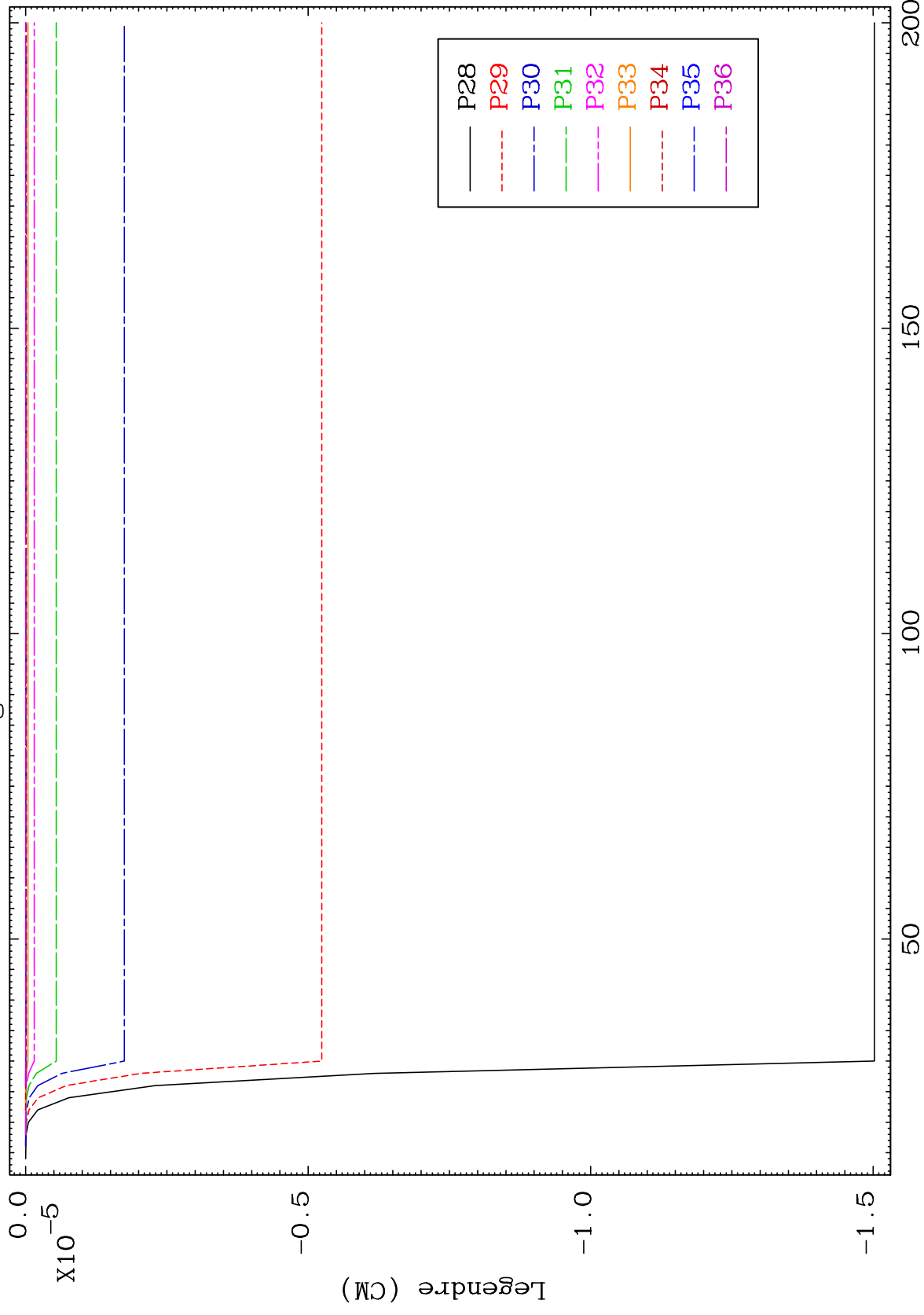
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

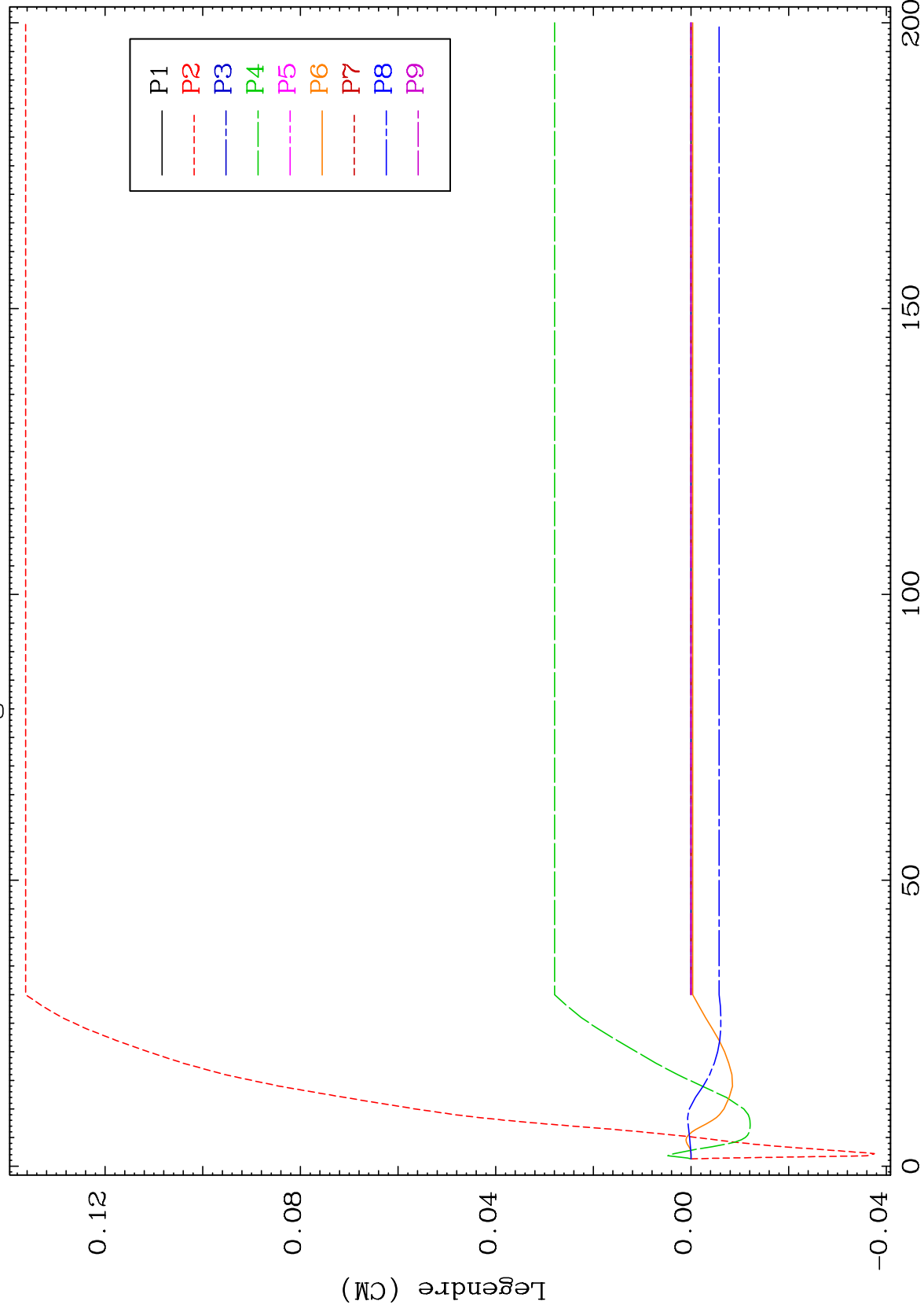
64-Gd-156



MAT 6437

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

64-Gd-156



53

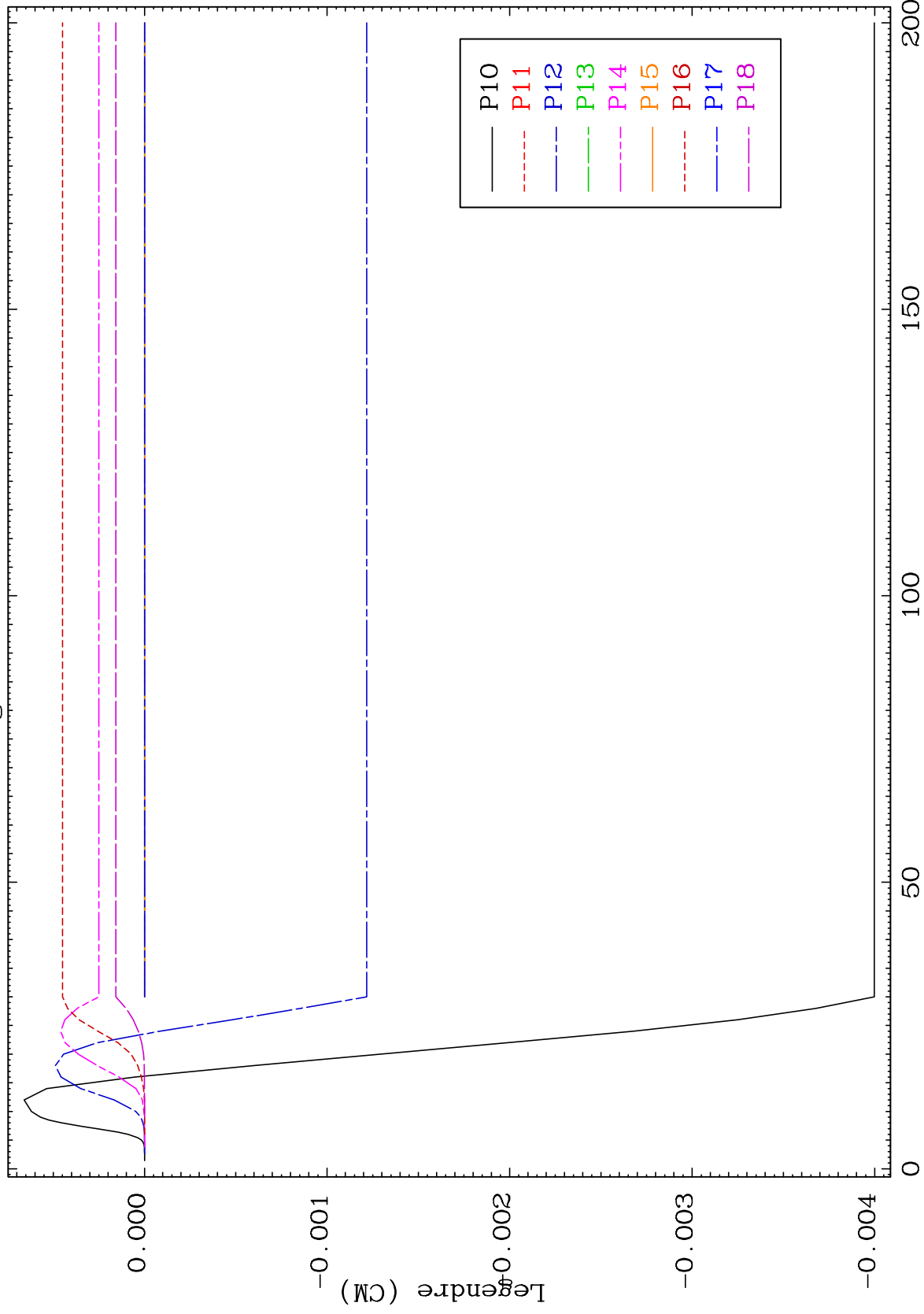
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

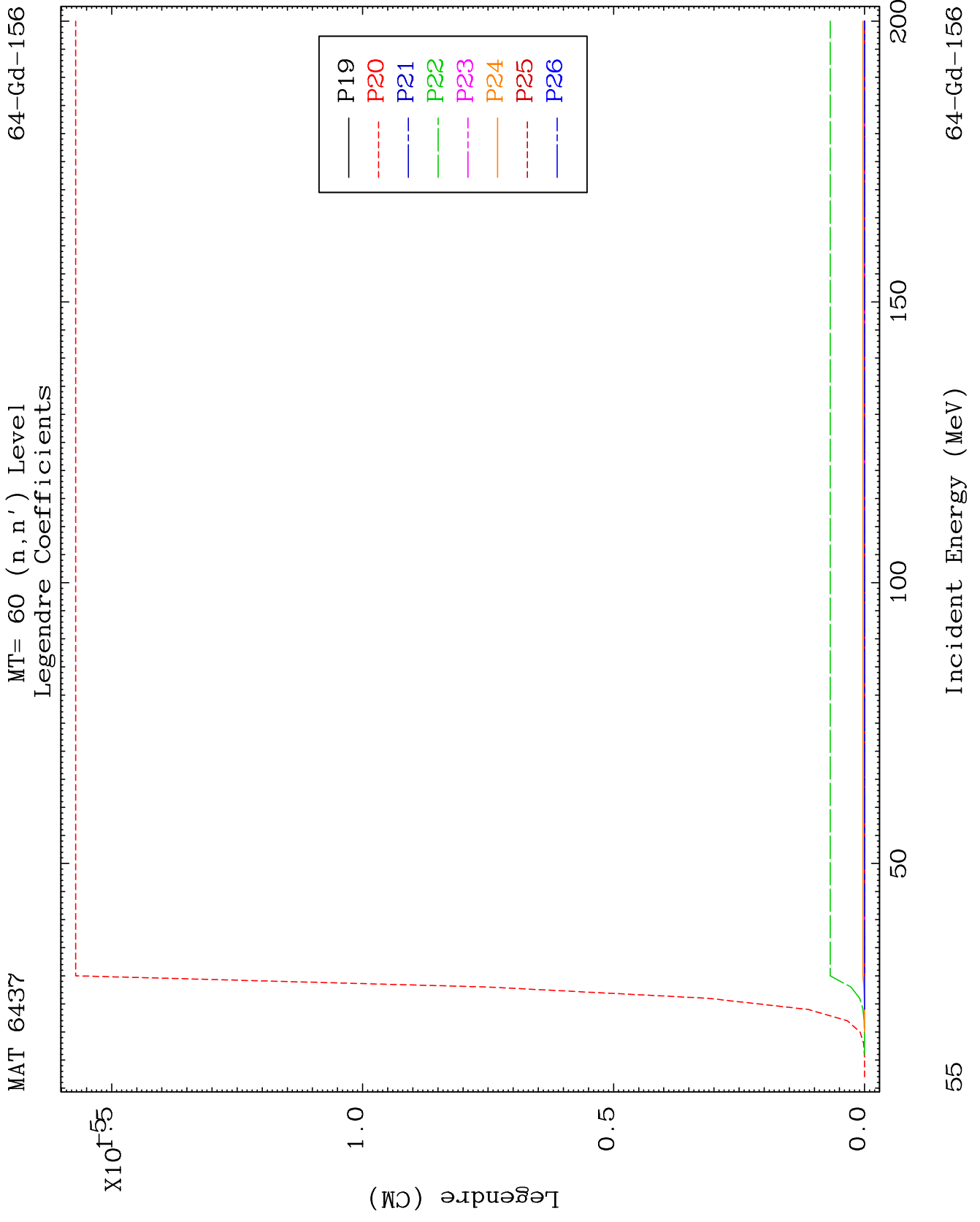
64-Gd-156



54

Incident Energy (MeV)

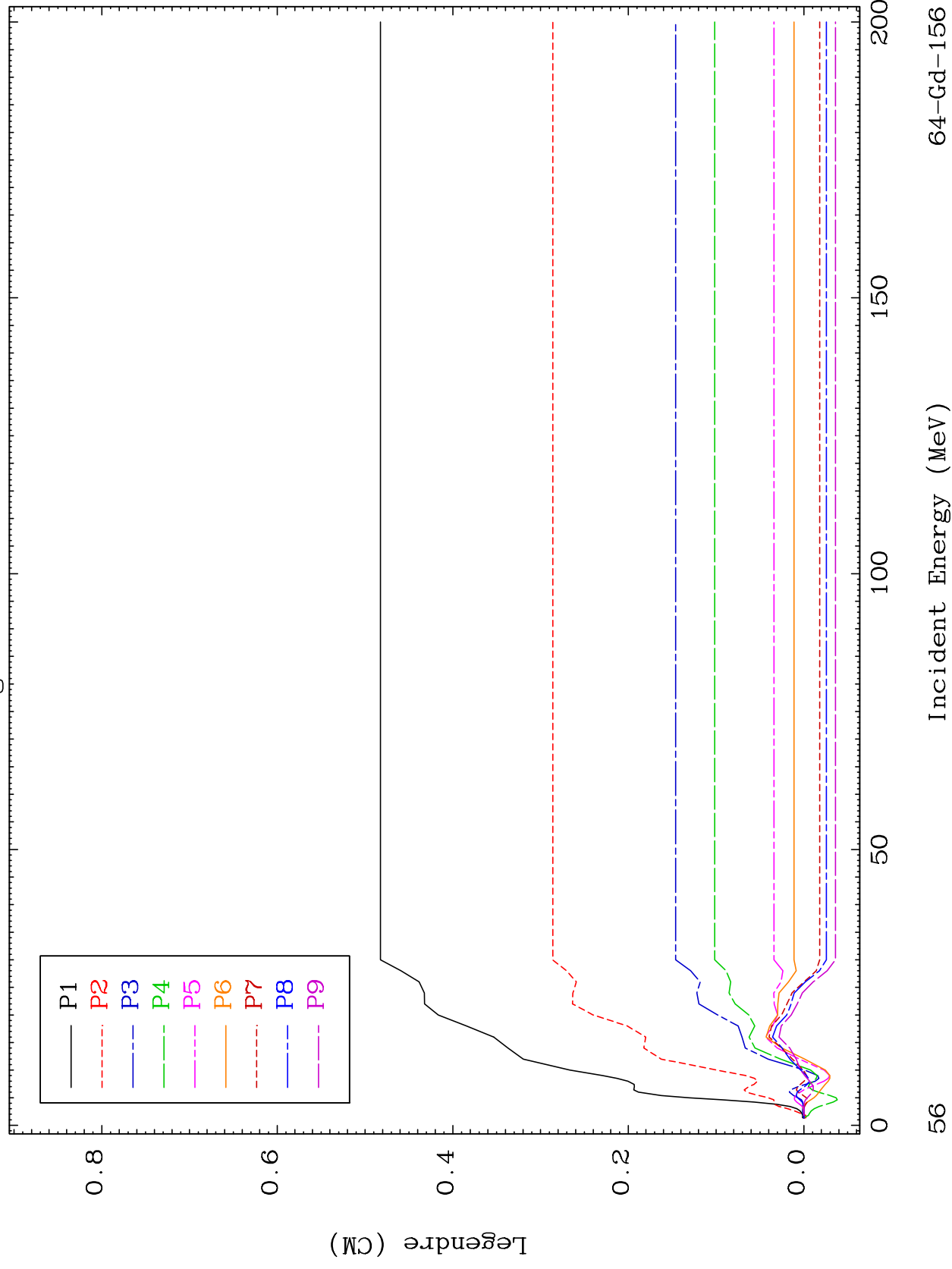
64-Gd-156



MAT 6437

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

64-Gd-156

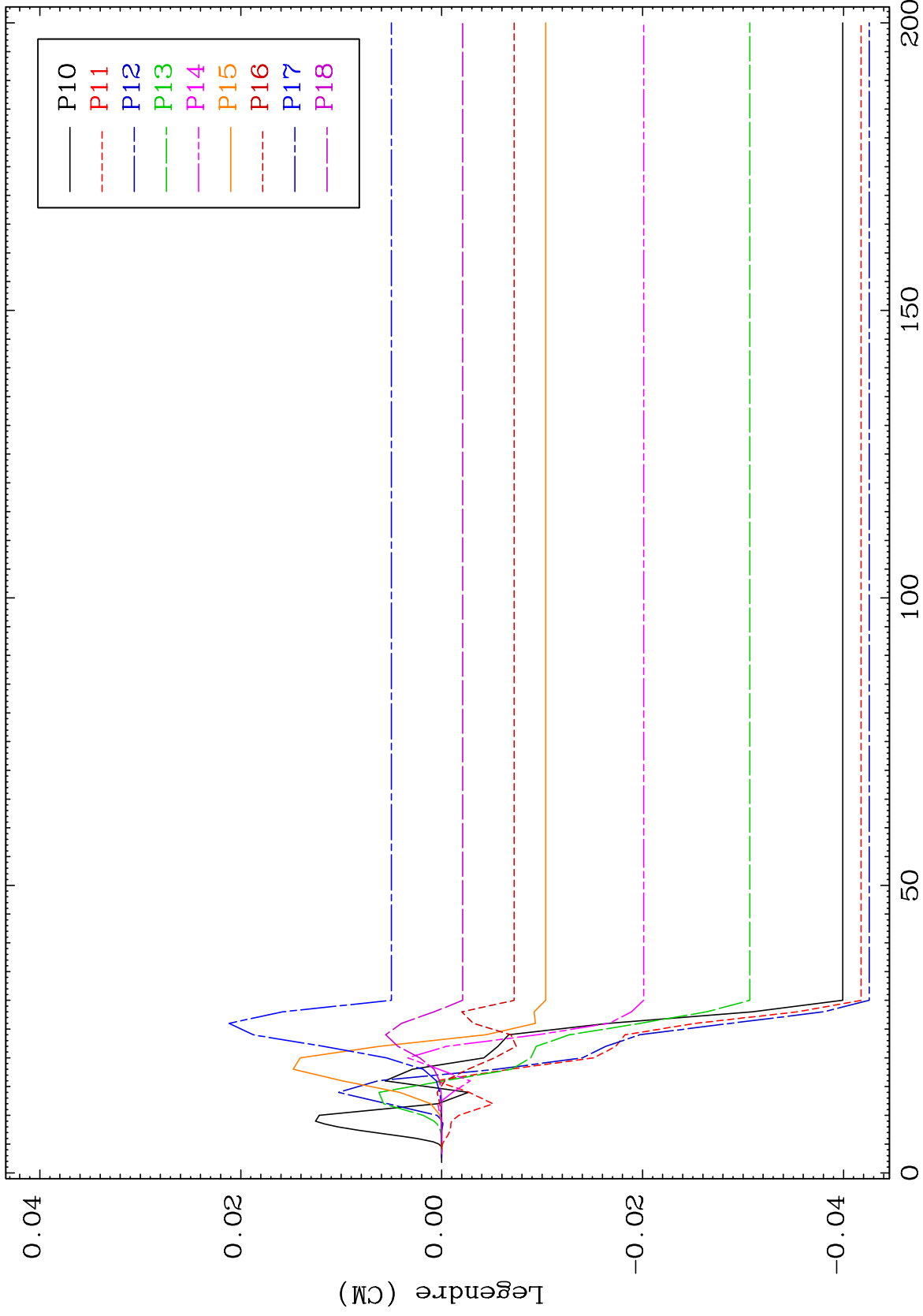


56

MAT 6437

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

64-Gd-156



57

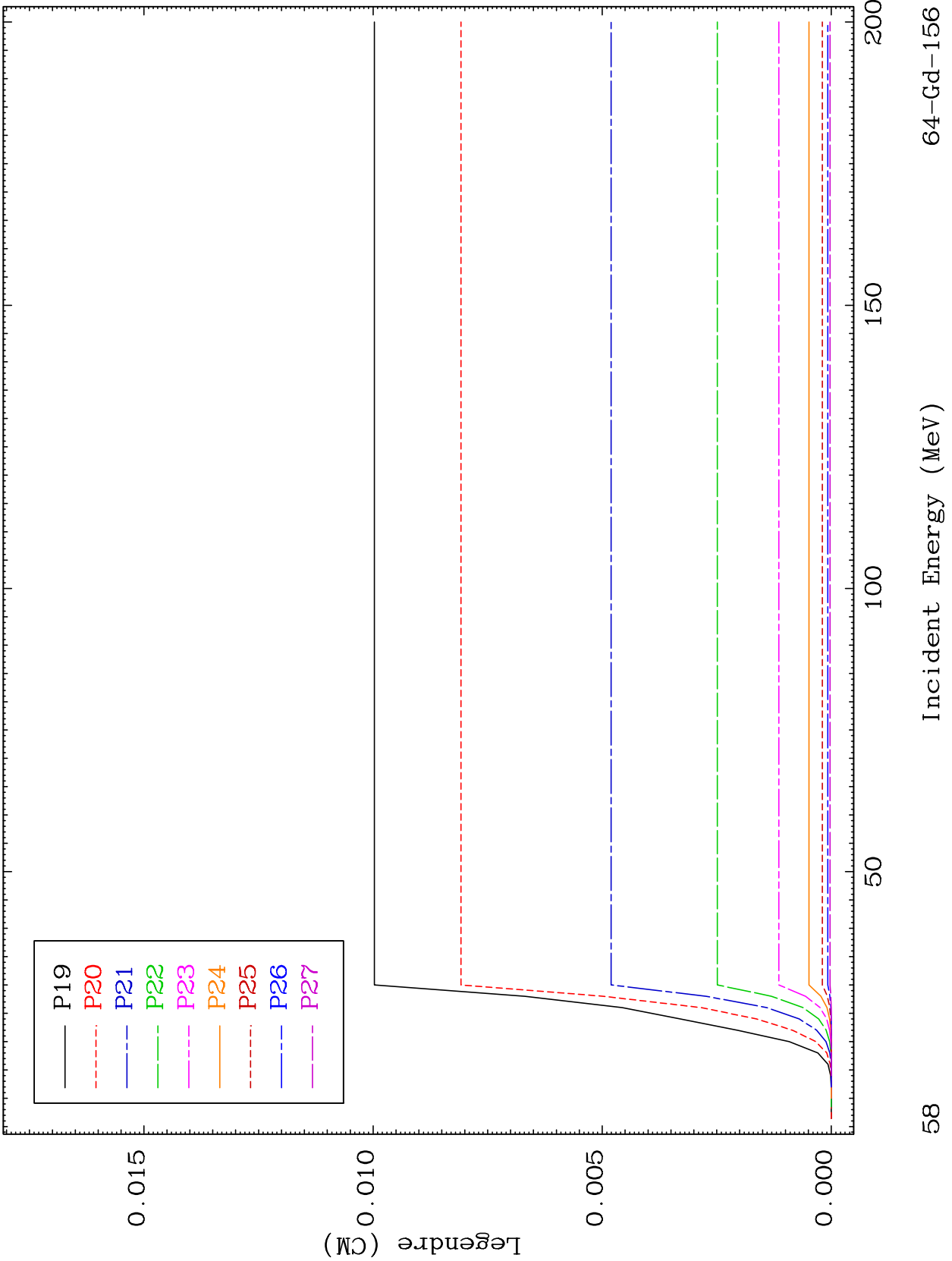
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

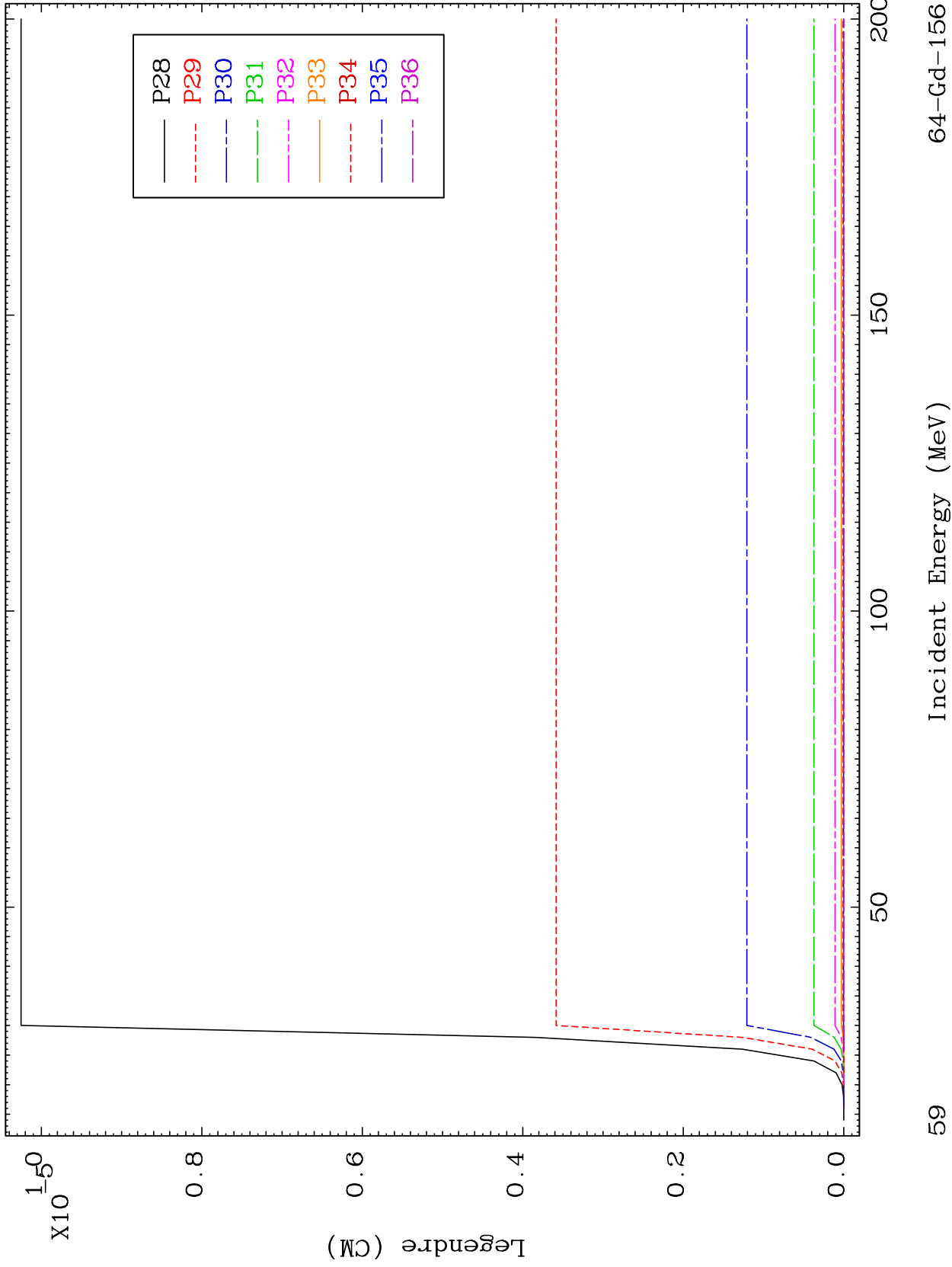
64-Gd-156



MAT 6437

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

64-Gd-156



59

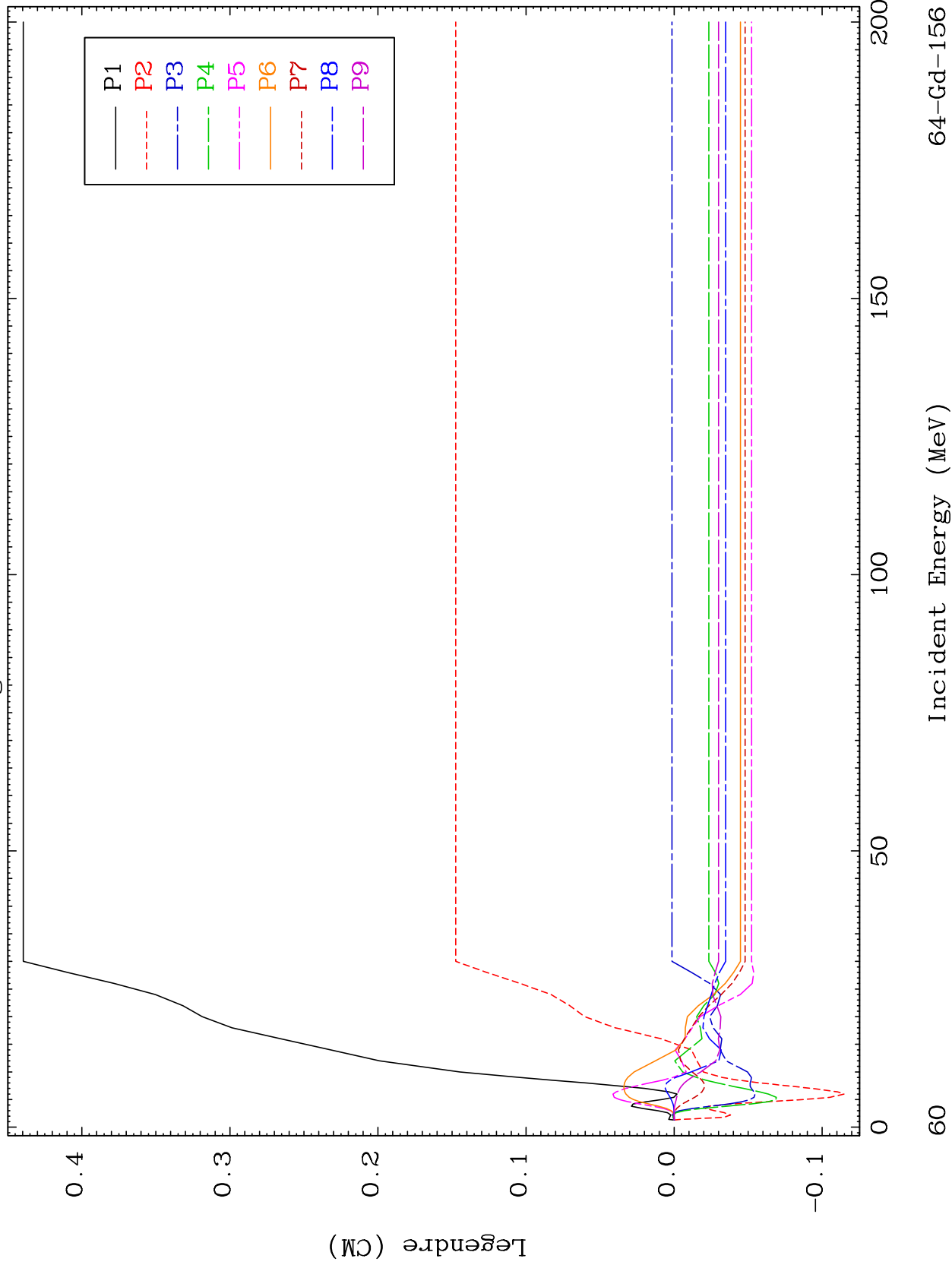
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156

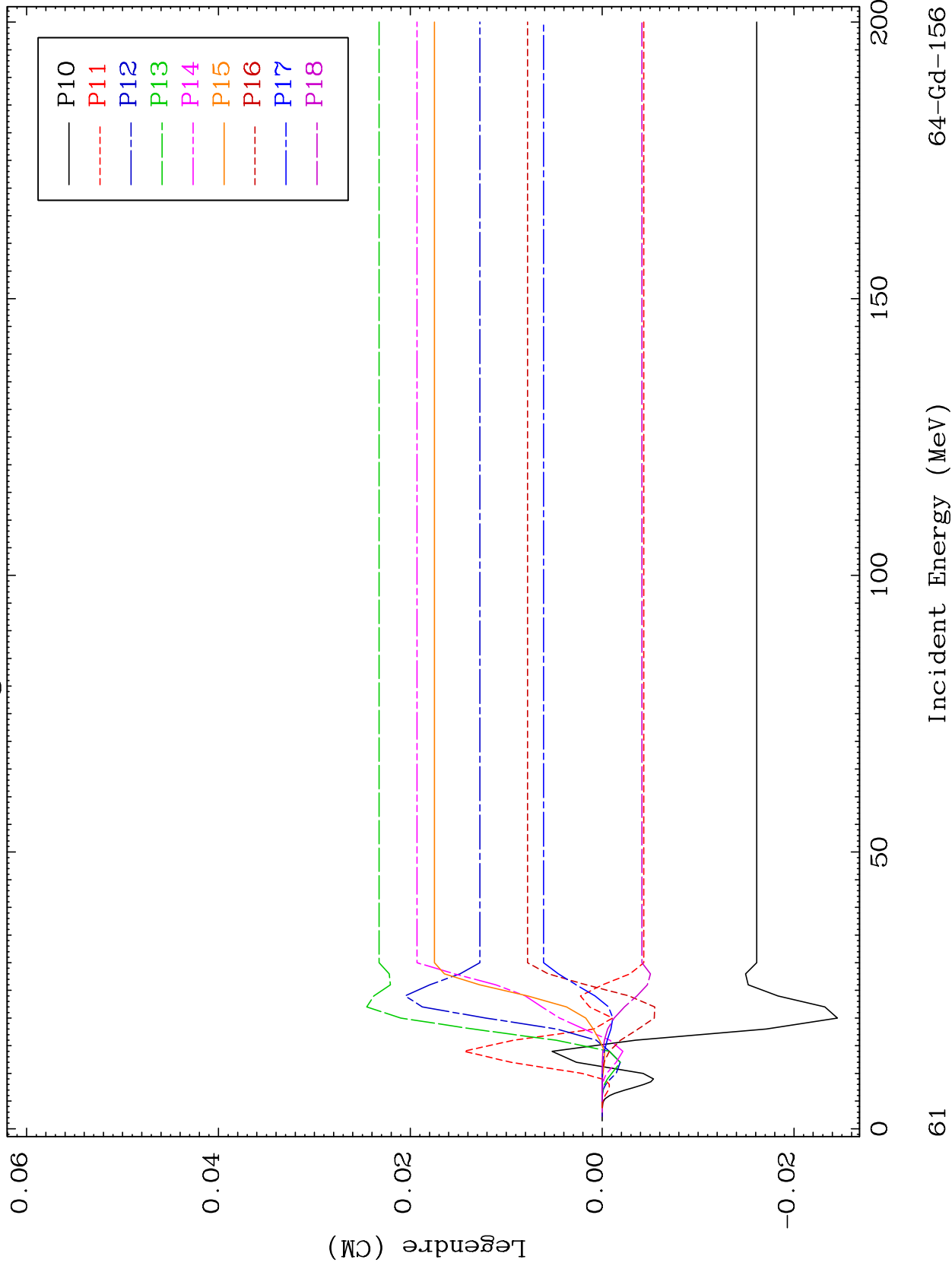


64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

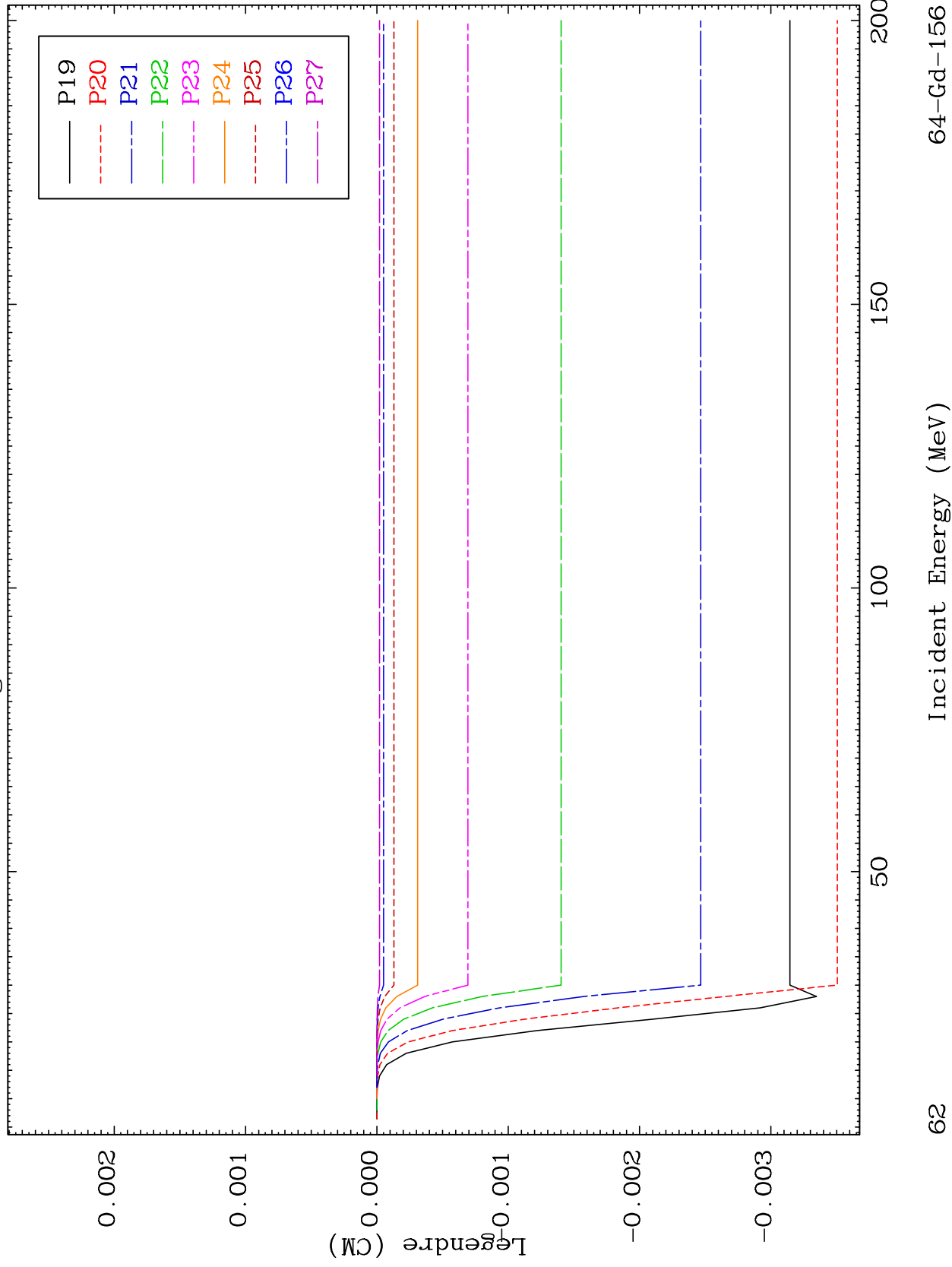
Incident Energy (MeV)

61

MAT 6437

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

64-Gd-156



62

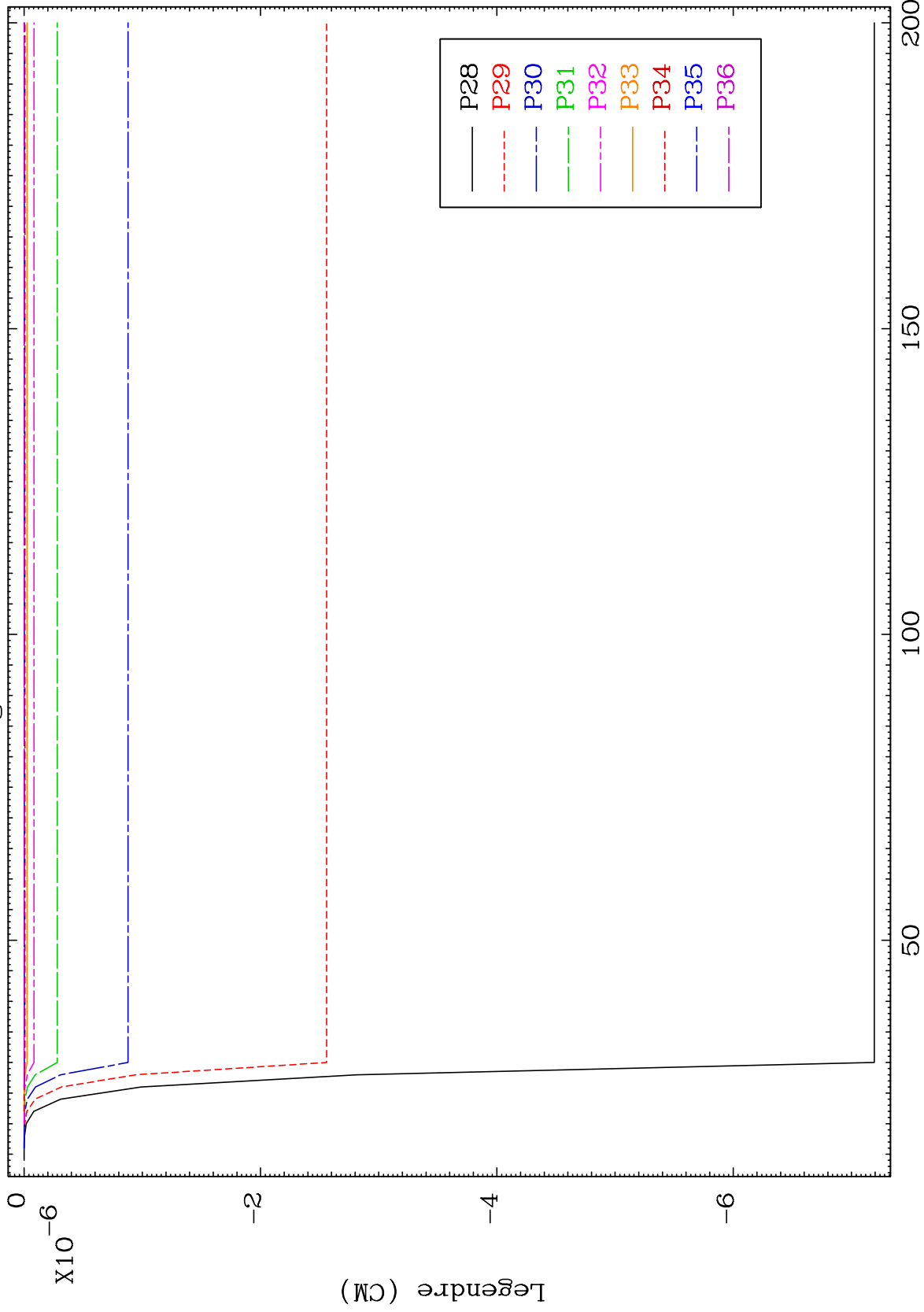
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



63

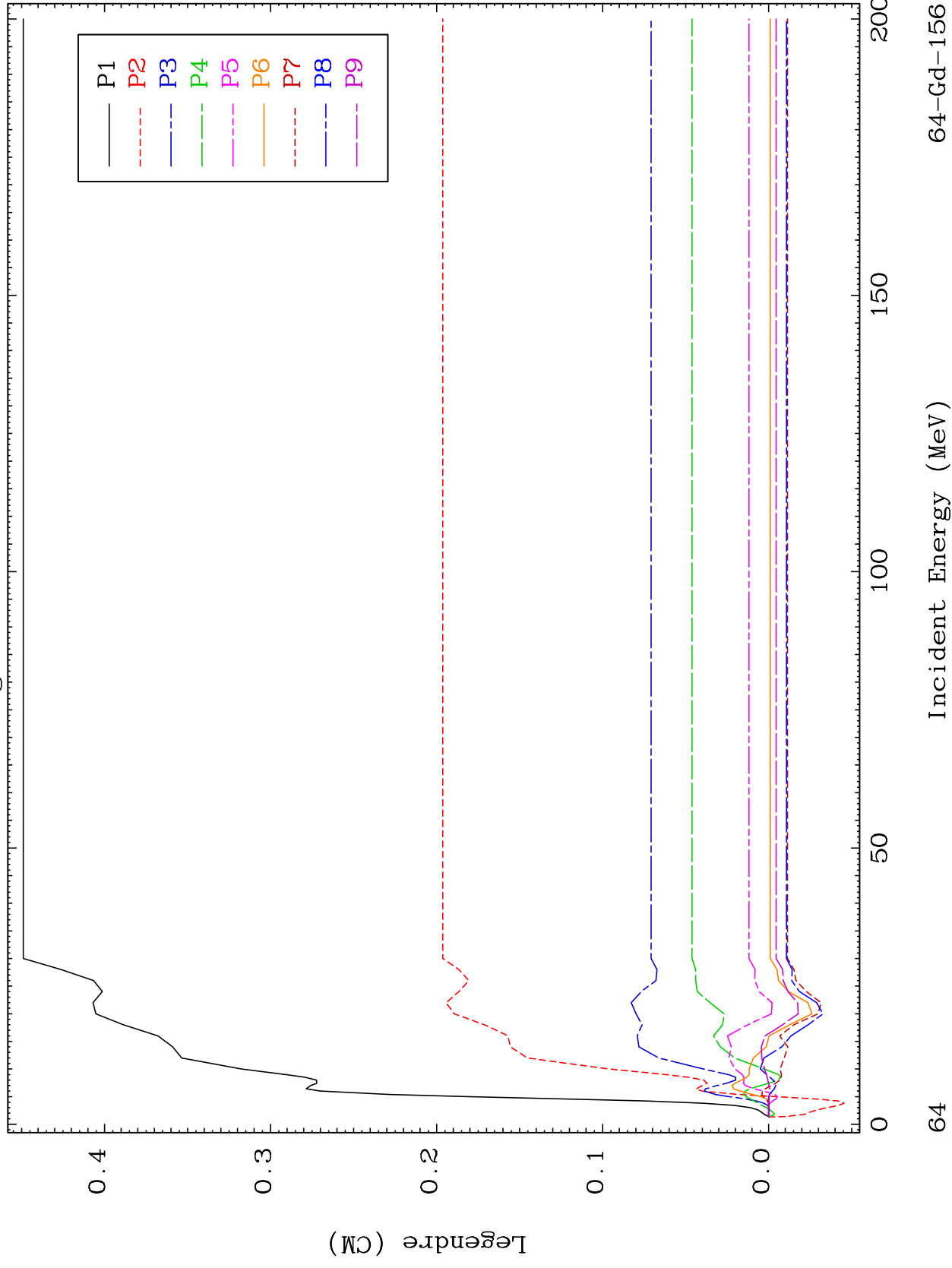
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

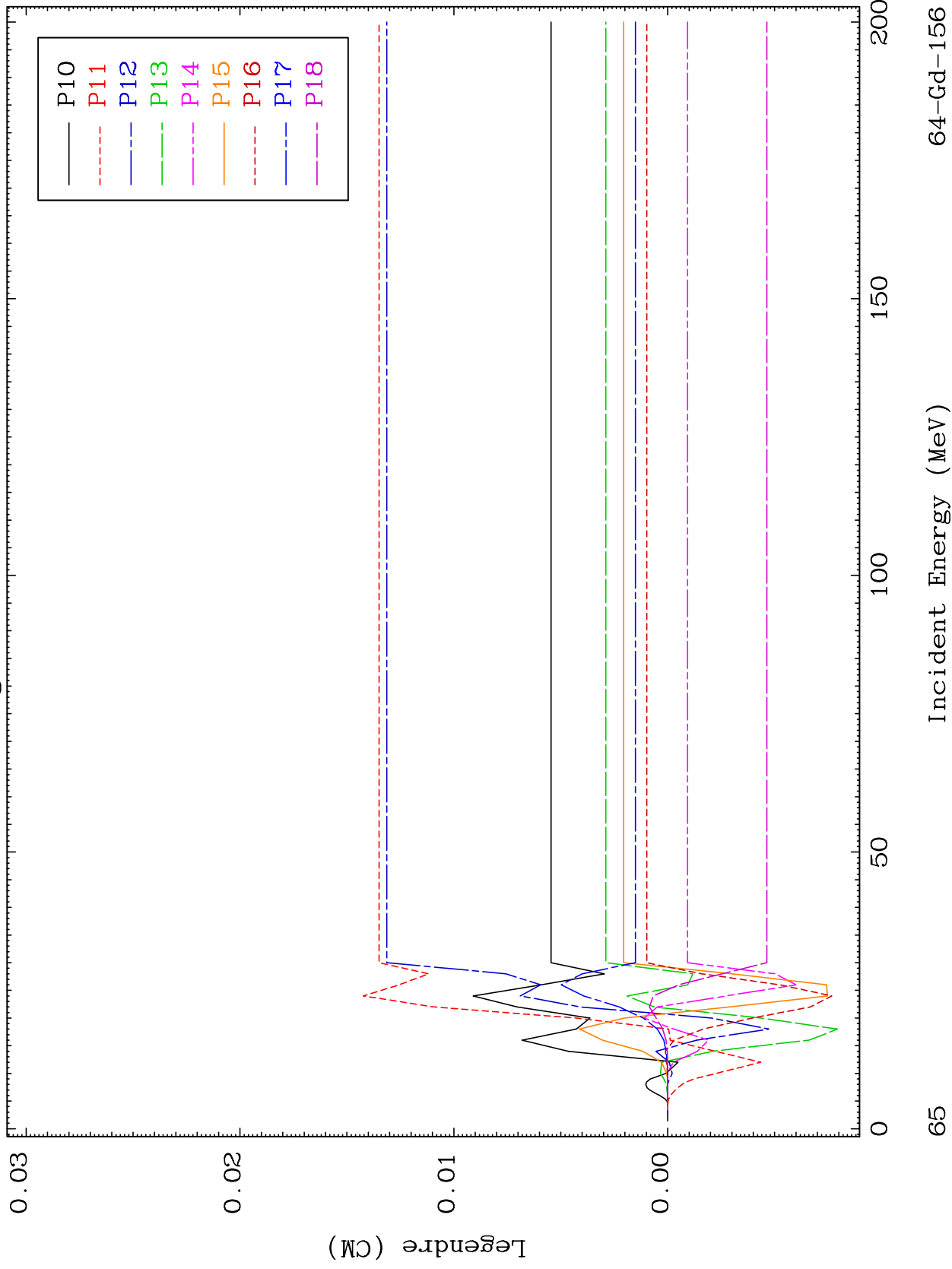
Incident Energy (MeV)

64

MAT 6437

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

64-Gd-156



64-Gd-156

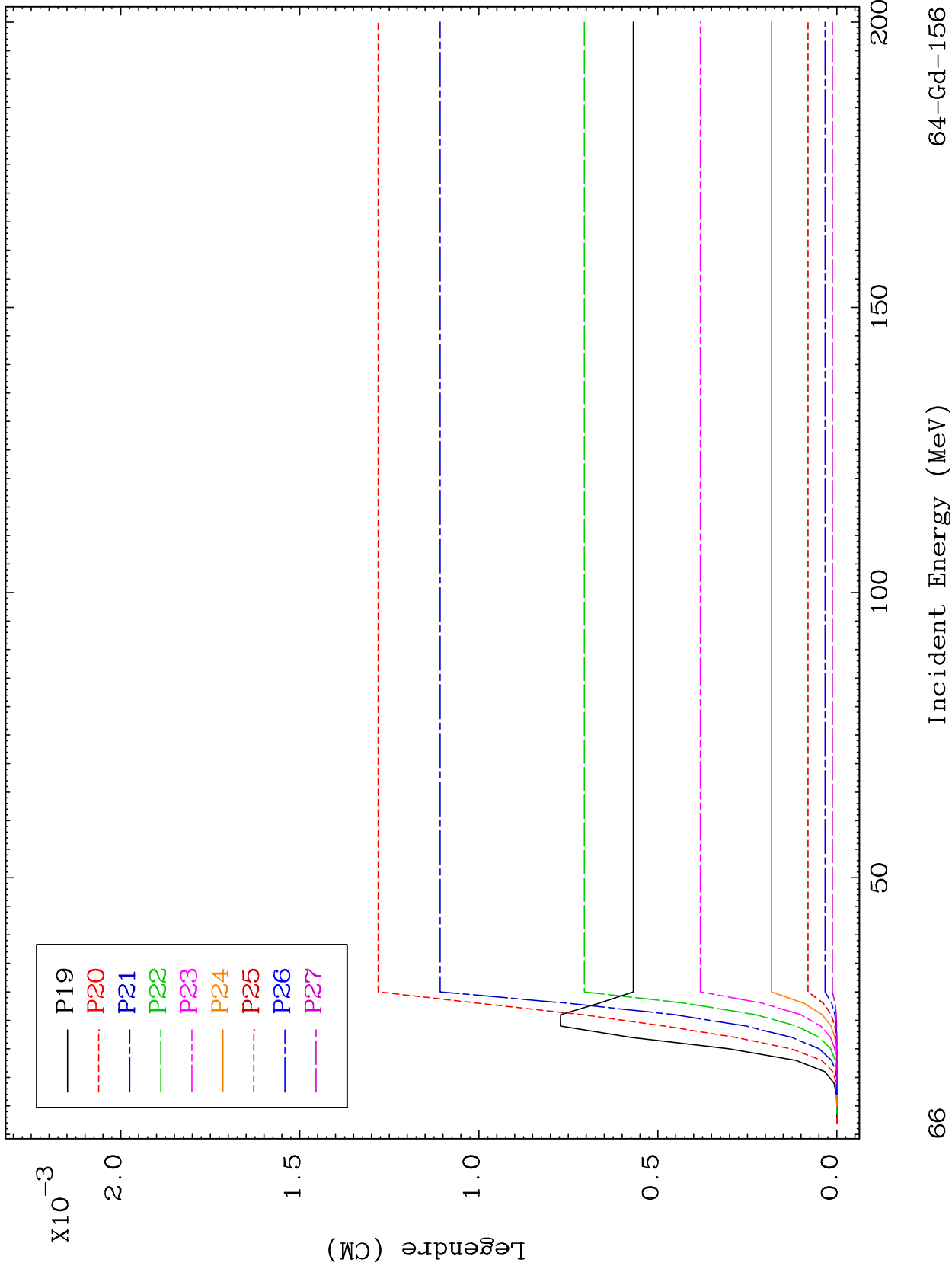
Incident Energy (MeV)

65

MAT 6437

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

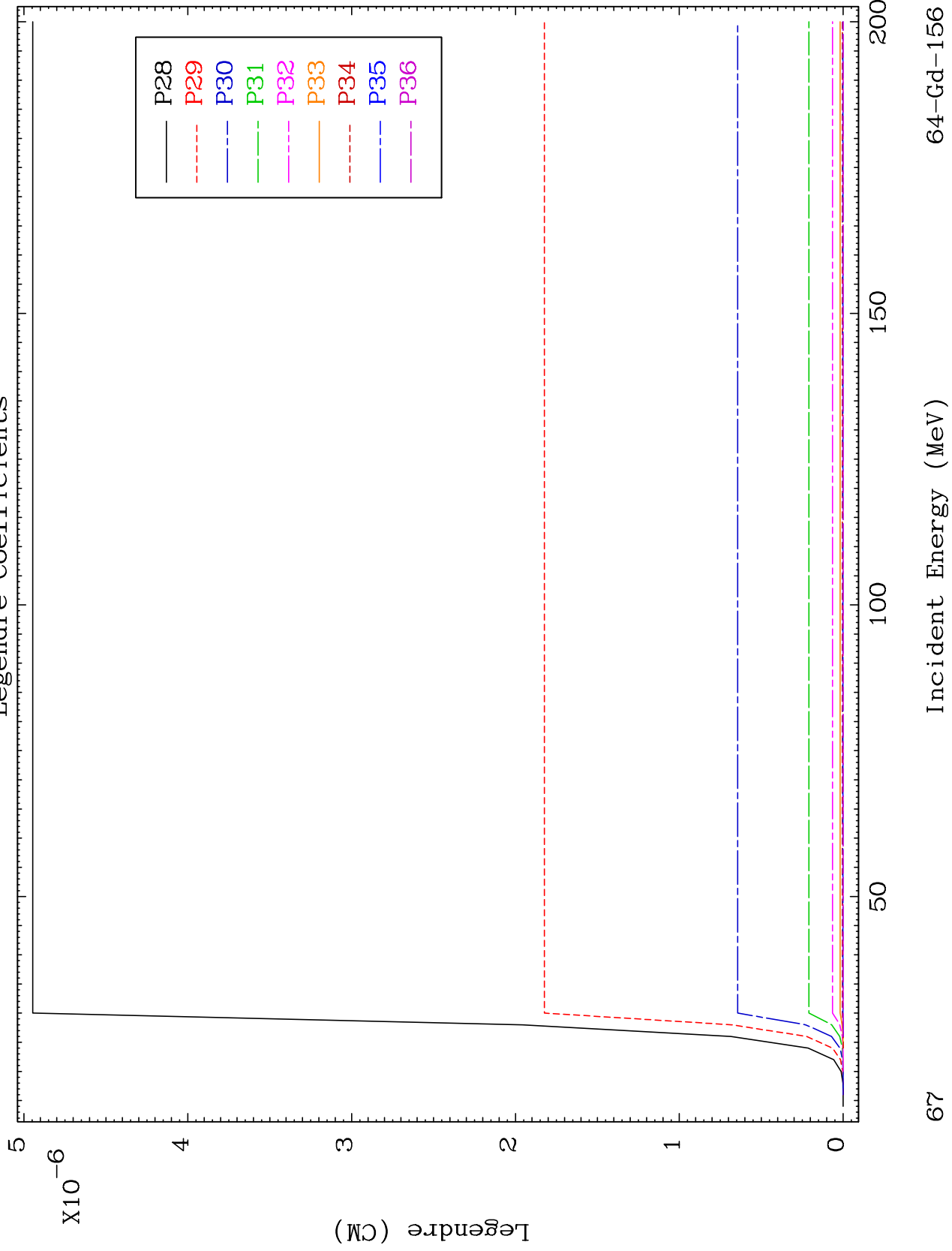
64-Gd-156



MAT 6437

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

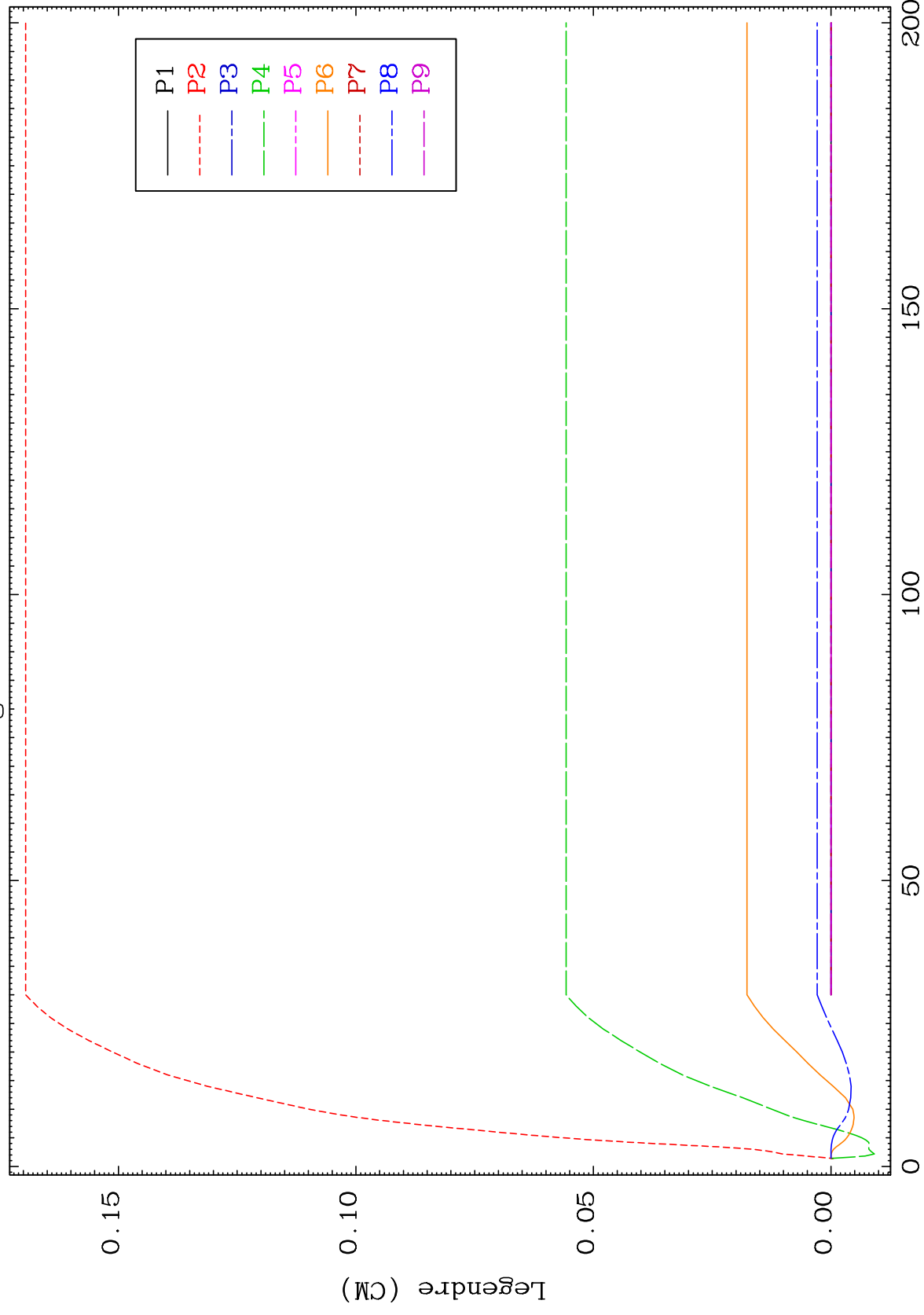
64-Gd-156



MAT 6437

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

64-Gd-156



68

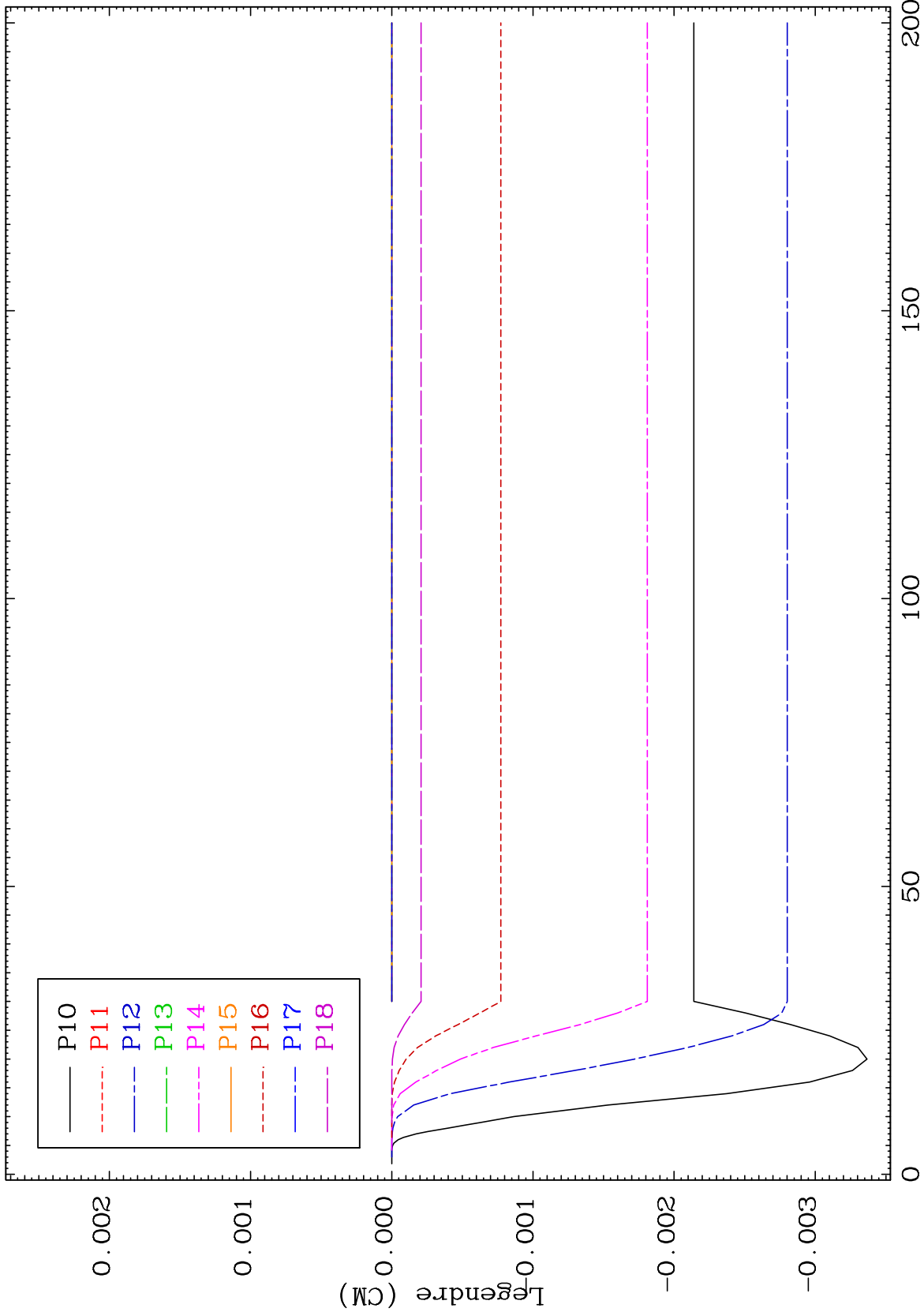
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

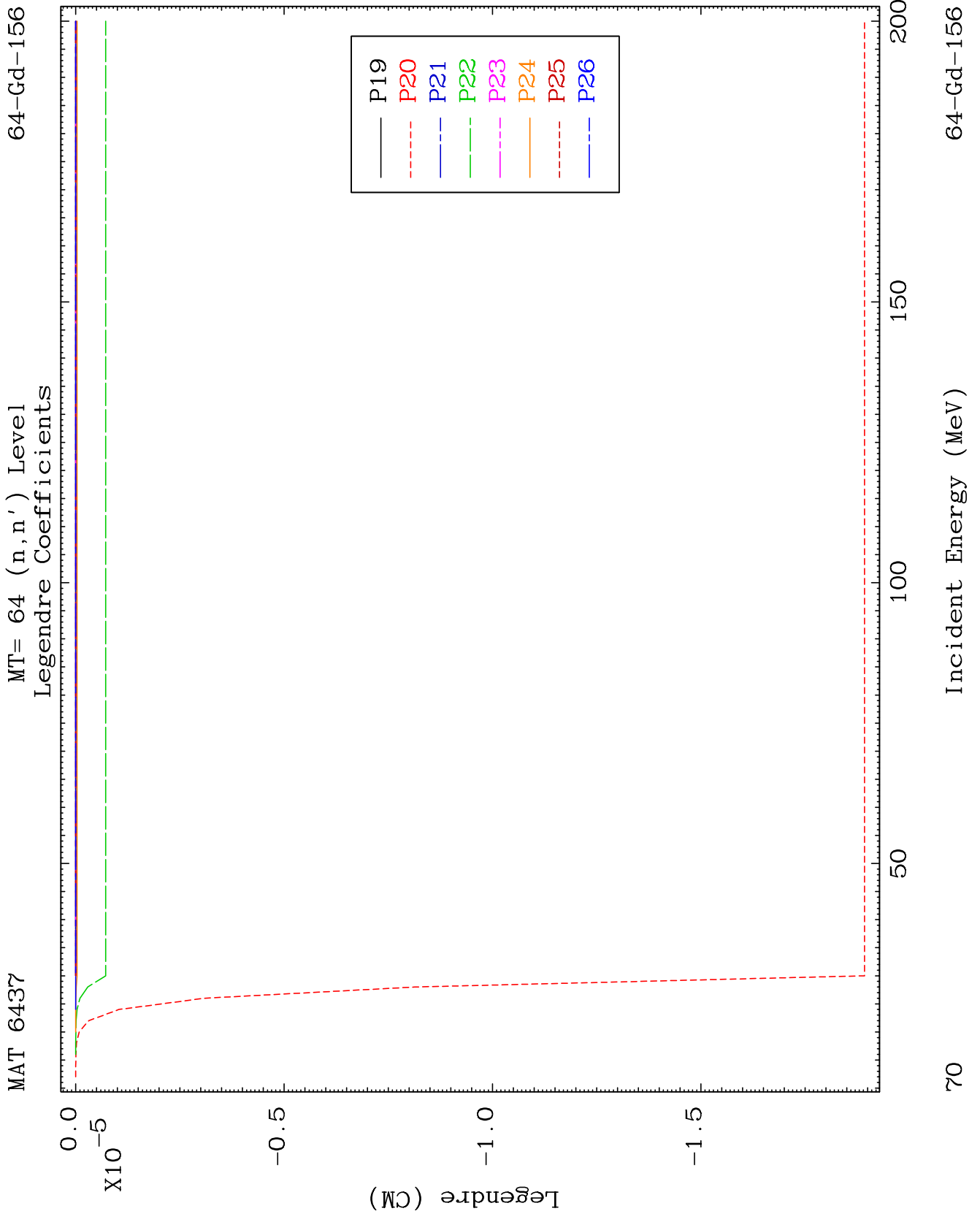
64-Gd-156



69

Incident Energy (MeV)

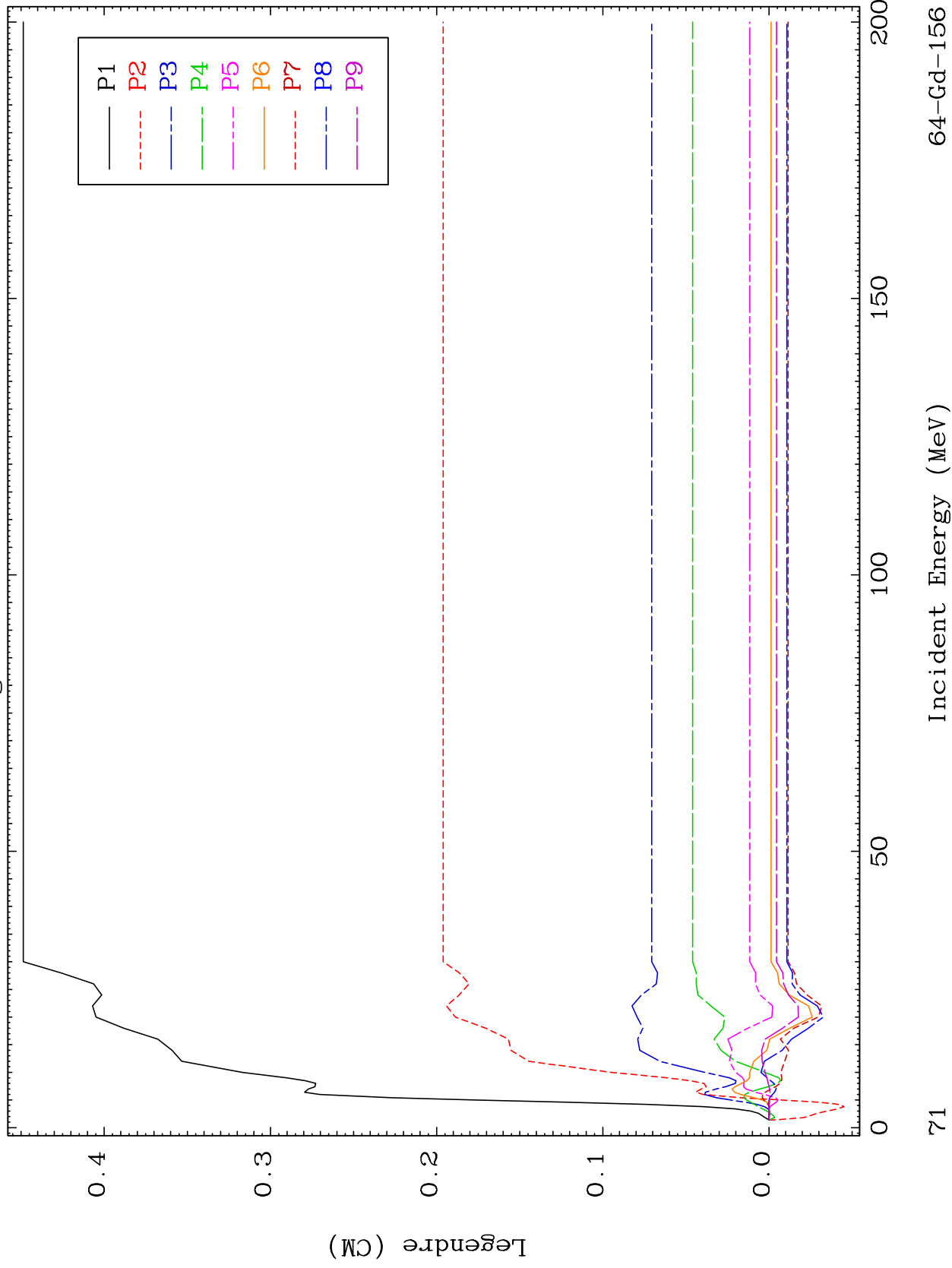
64-Gd-156



MAT 6437

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

64-Gd-156



64-Gd-156

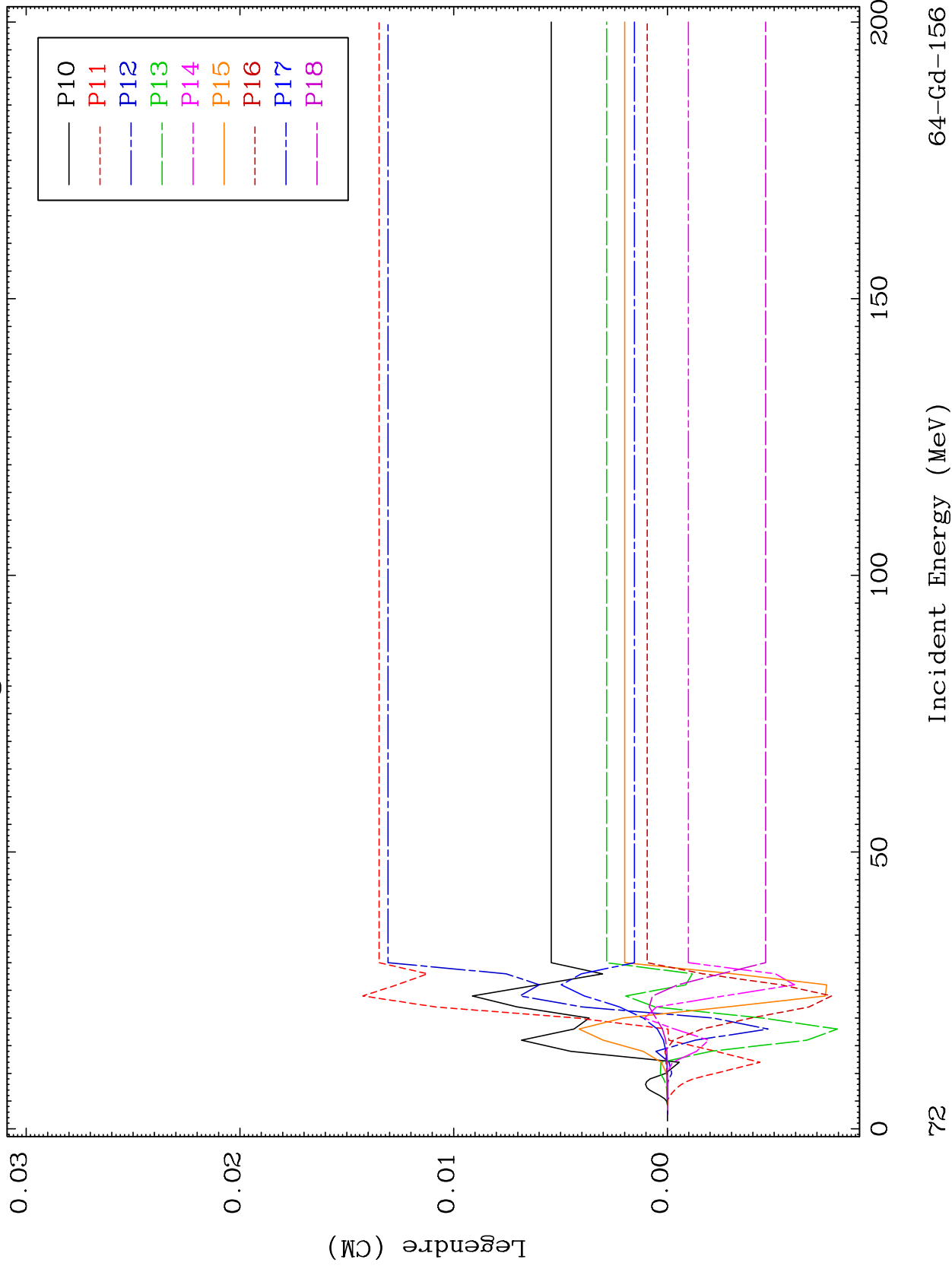
Incident Energy (MeV)

71

MAT 6437

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

64-Gd-156



64-Gd-156

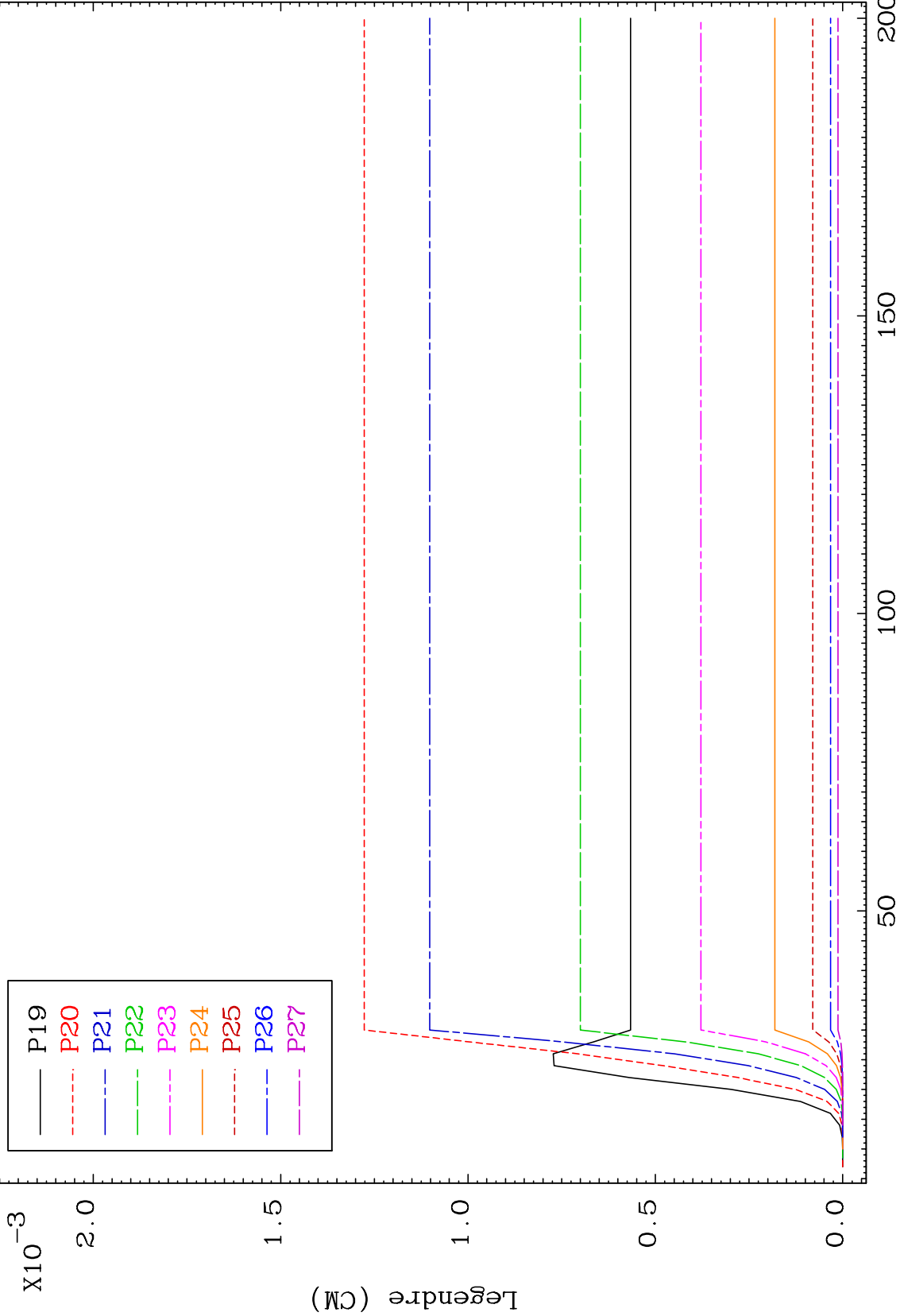
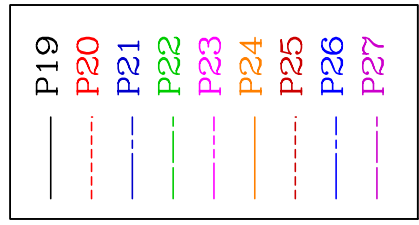
Incident Energy (MeV)

72

MAT 6437

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

64-Gd-156



73

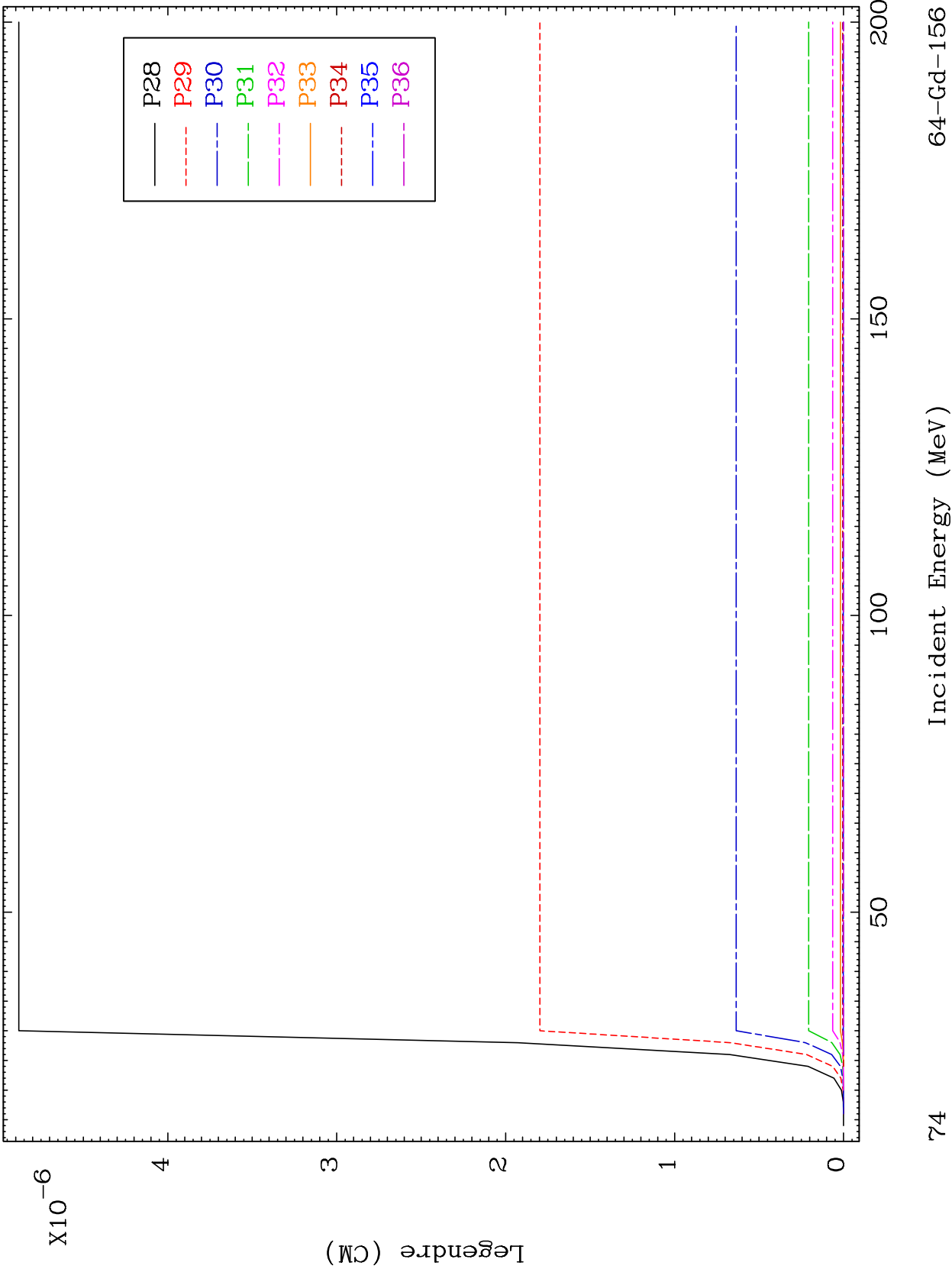
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



74

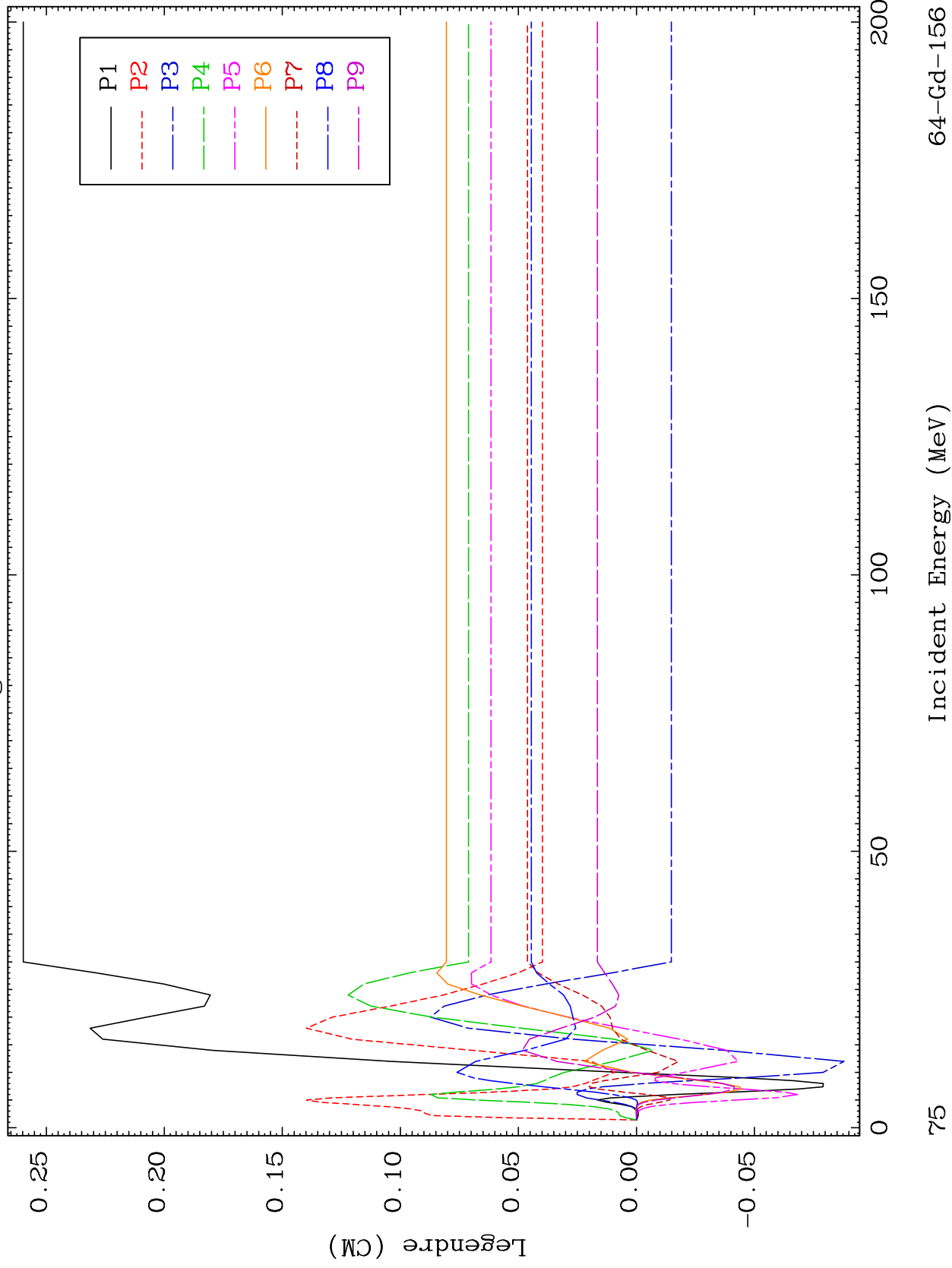
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

64-Gd-156



64-Gd-156

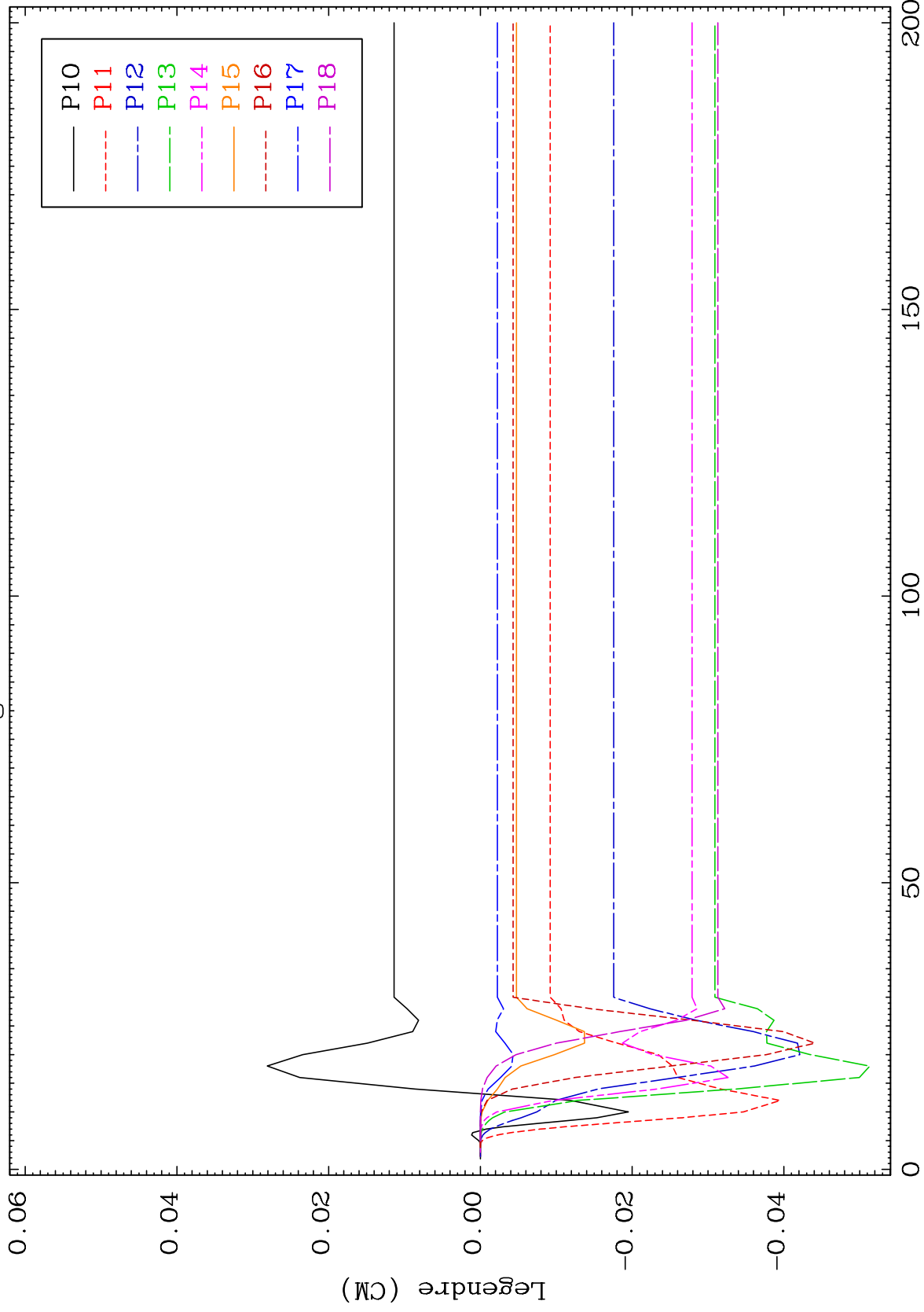
Incident Energy (MeV)

75

MAT 6437

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

64-Gd-156



76

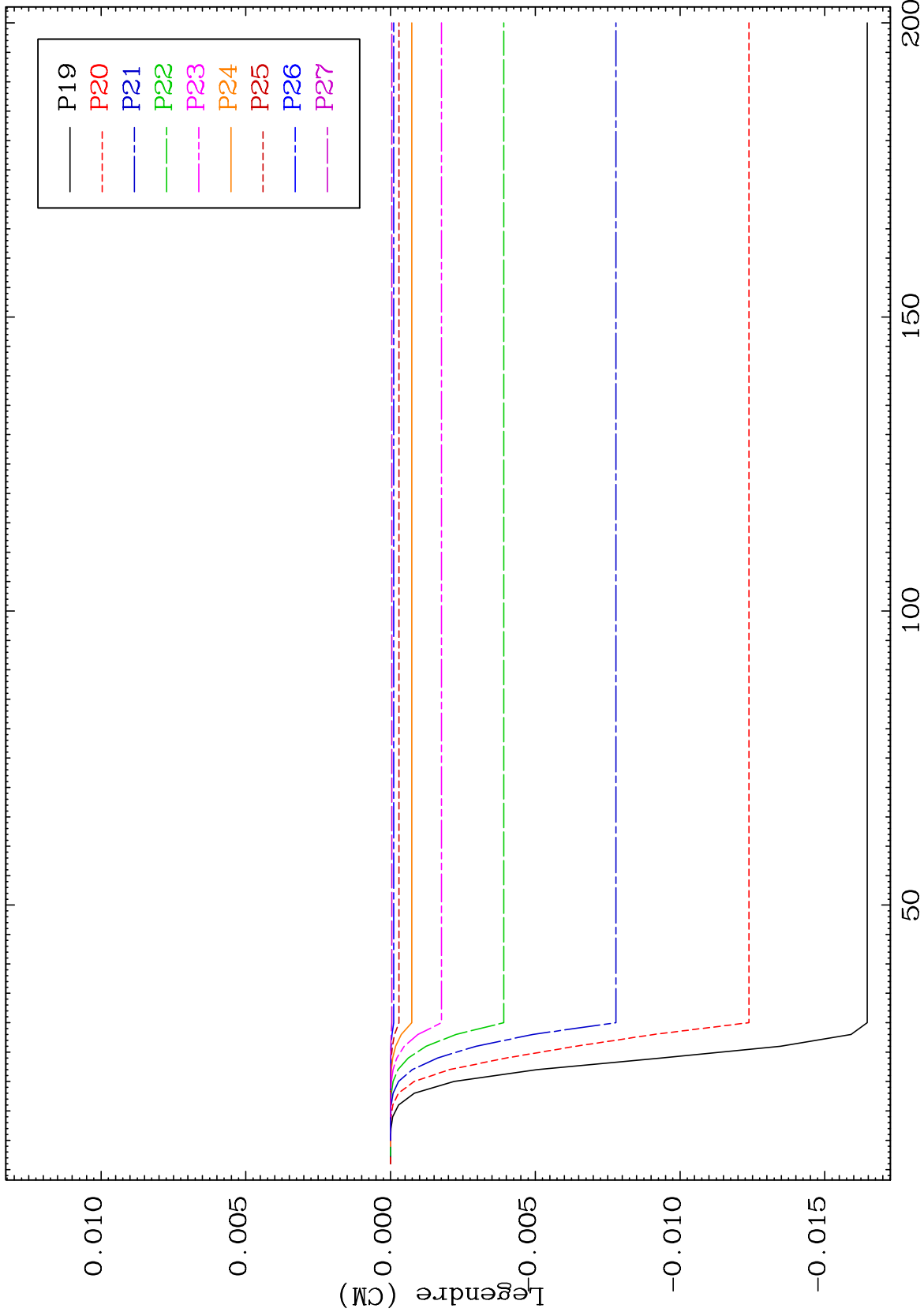
Incident Energy (MeV)

64-Gd-156

MAT 6437

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

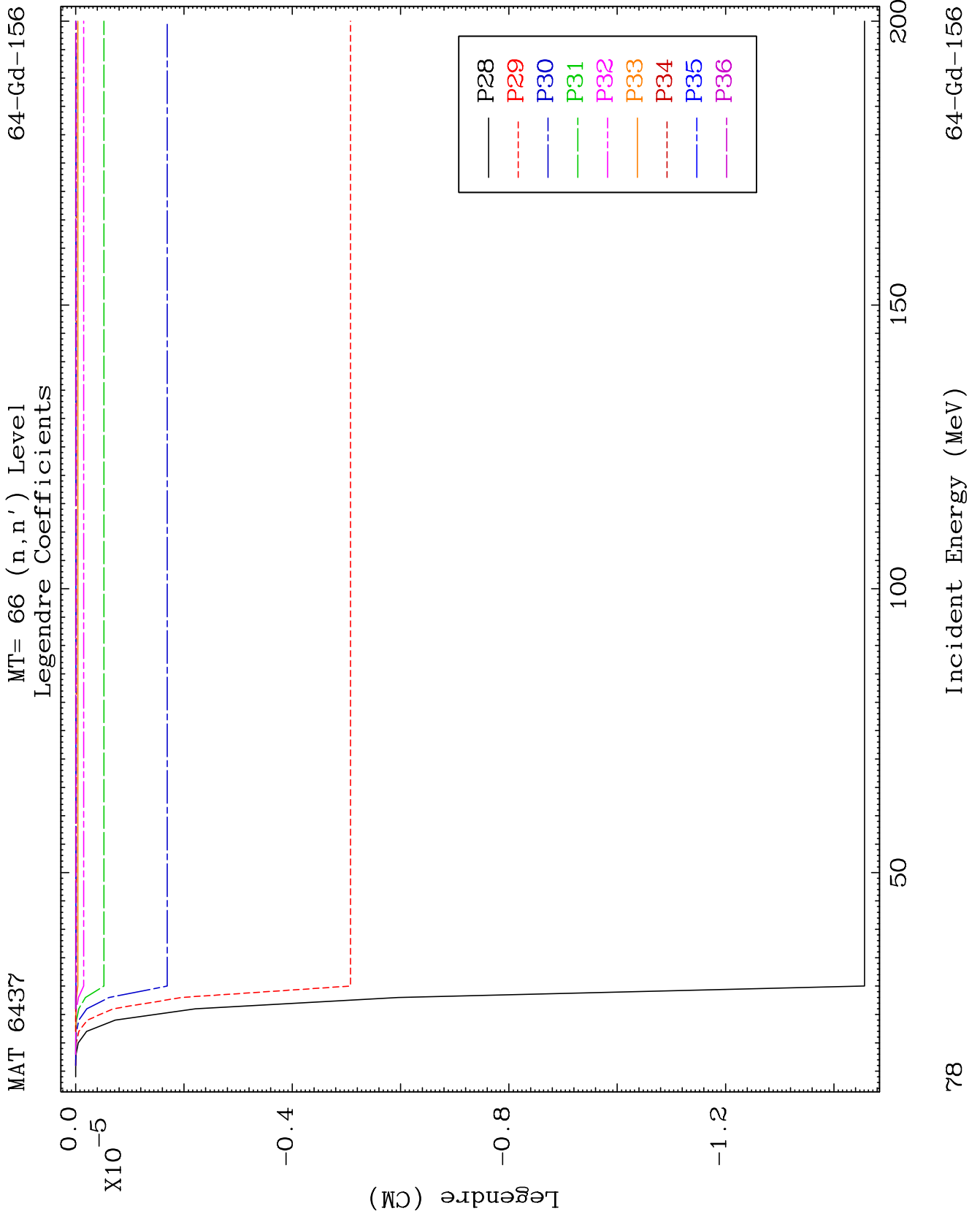
64-Gd-156



77

Incident Energy (MeV)

64-Gd-156

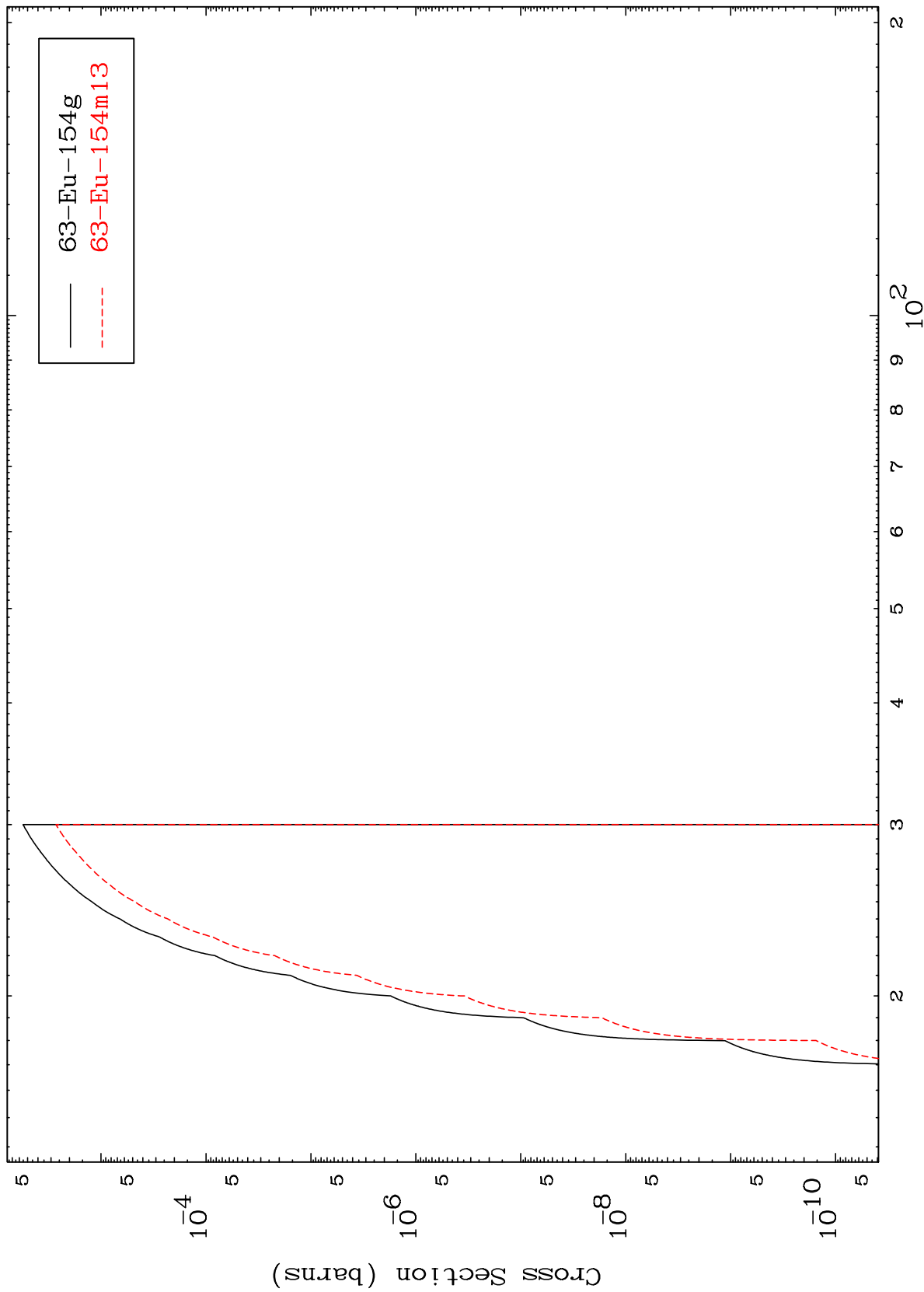


MAT 6437

(n,n') d

64-Gd-156

Radionuclide Production Cross Section



79

Incident Energy (MeV)

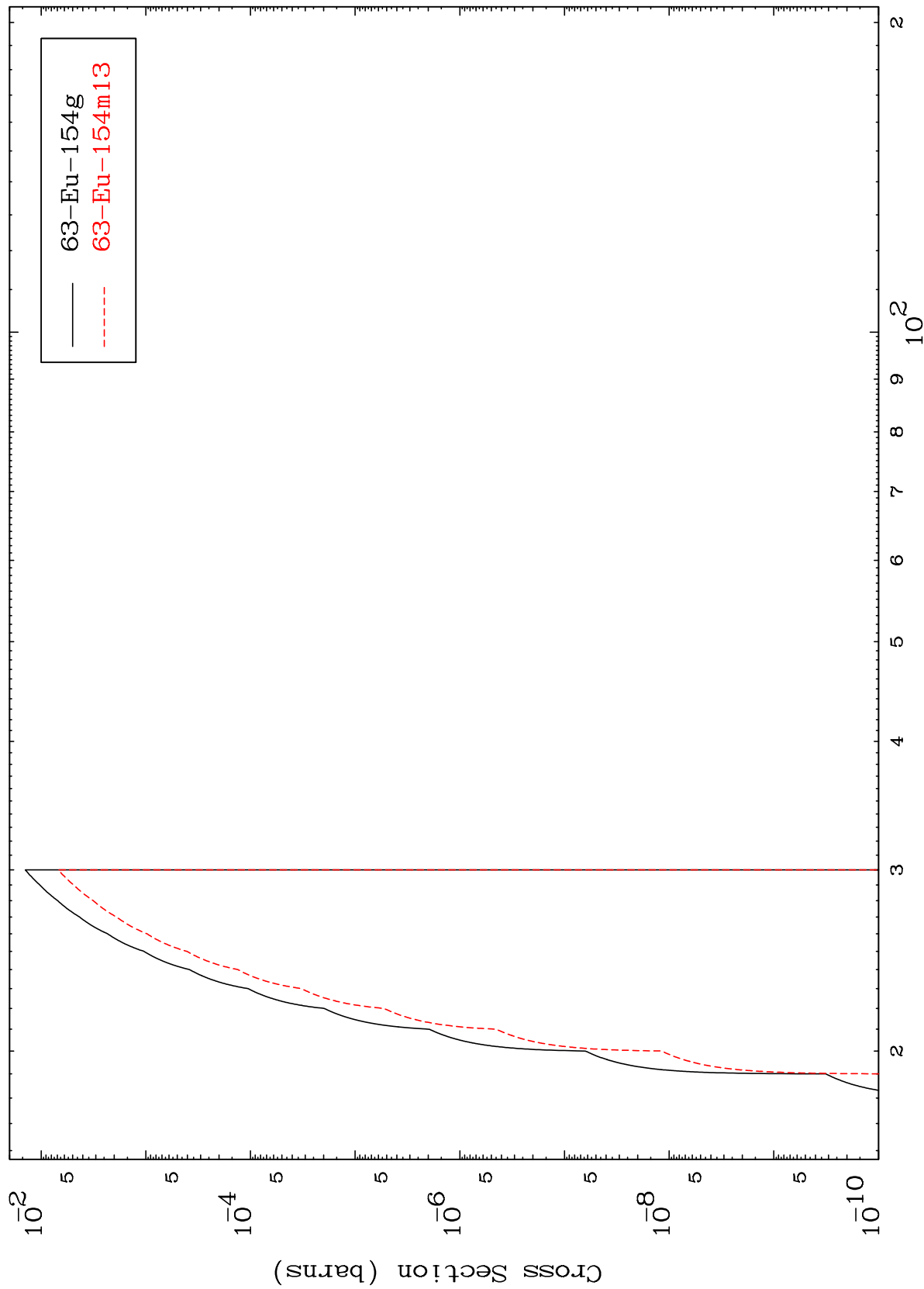
64-Gd-156

MAT 6437

(n,2n) p

64-Gd-156

Radionuclide Production Cross Section



63-Eu-154g
63-Eu-154m13

80

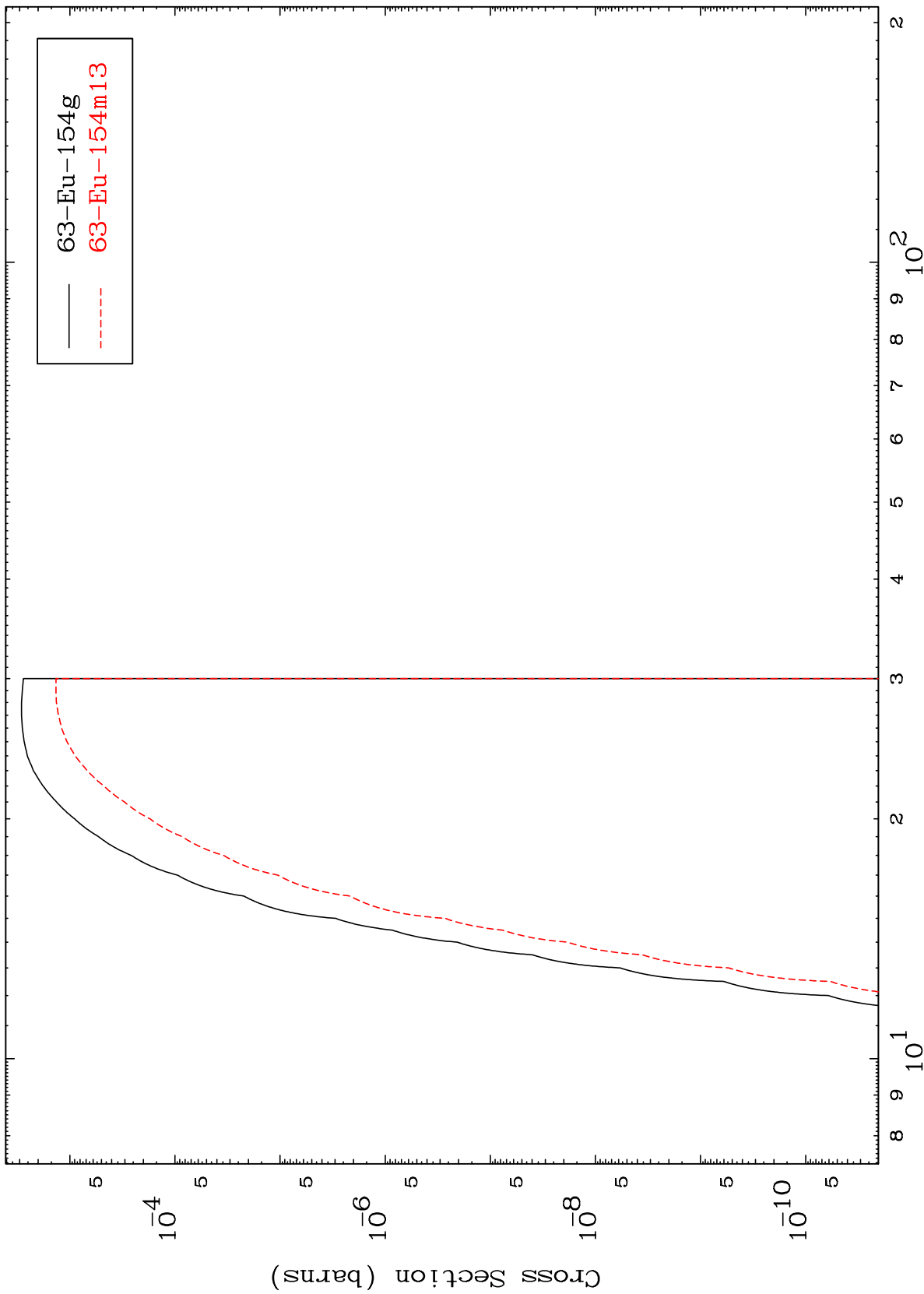
Incident Energy (MeV)

64-Gd-156

MAT 6437

64-Gd-156

(n, t)
Radionuclide Production Cross Section



81

Incident Energy (MeV)

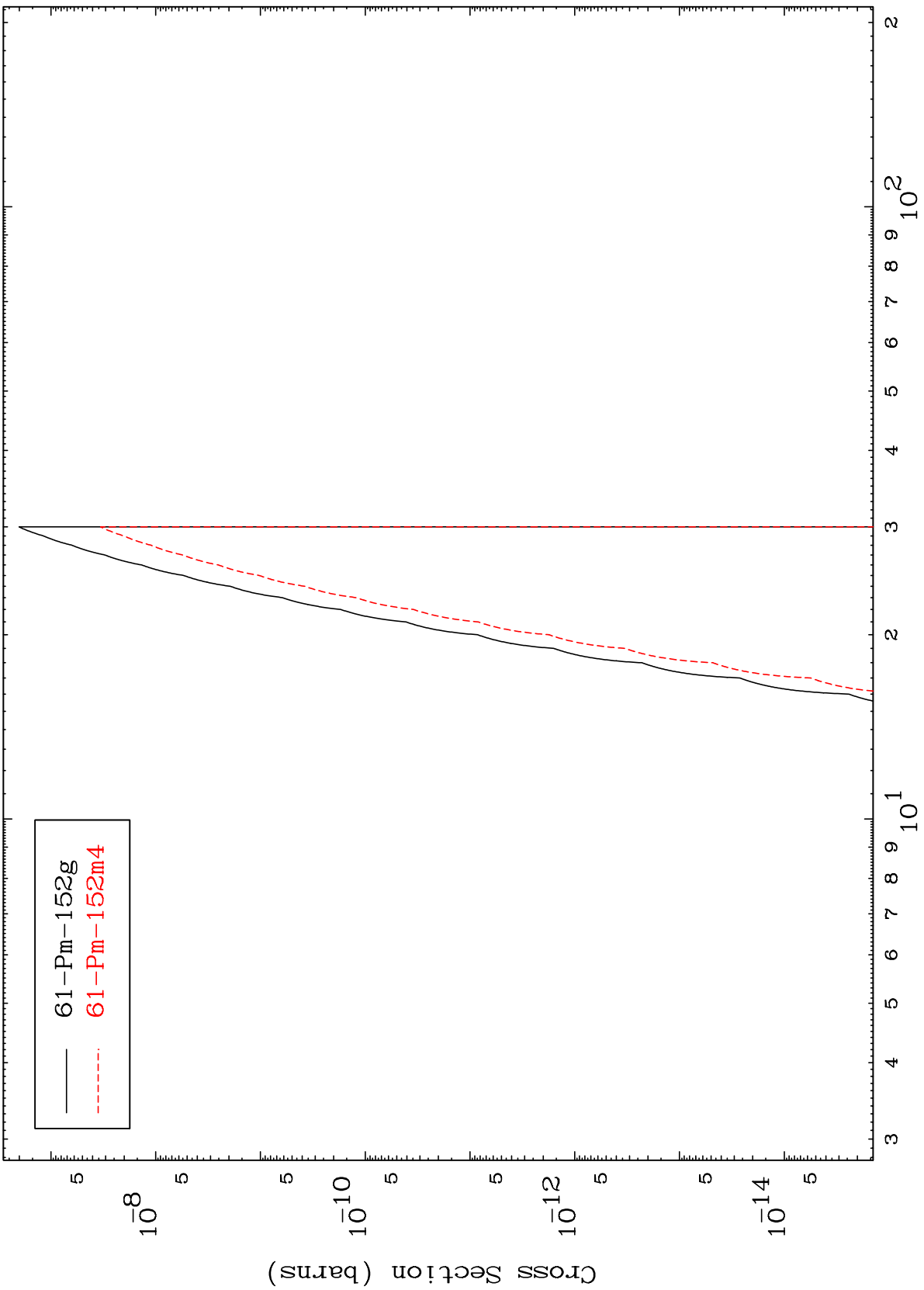
64-Gd-156

MAT 6437

(n,p) α

64-Gd-156

Radionuclide Production Cross Section



82

Incident Energy (MeV)

64-Gd-156