

Program EVALPLOT  
(Version 2021-1)

by

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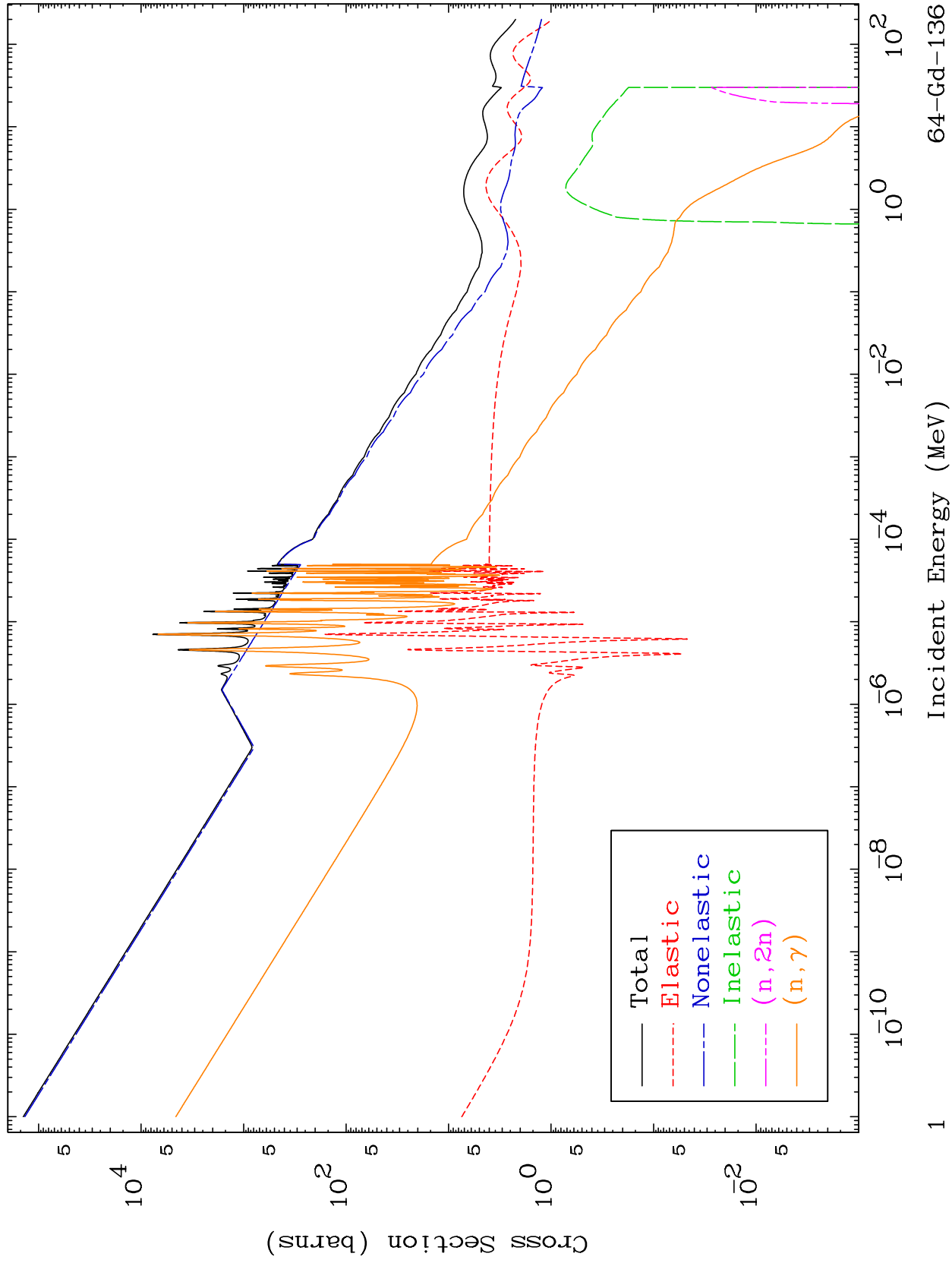
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6377

Neutron Major  
293 Kelvin Cross Sections

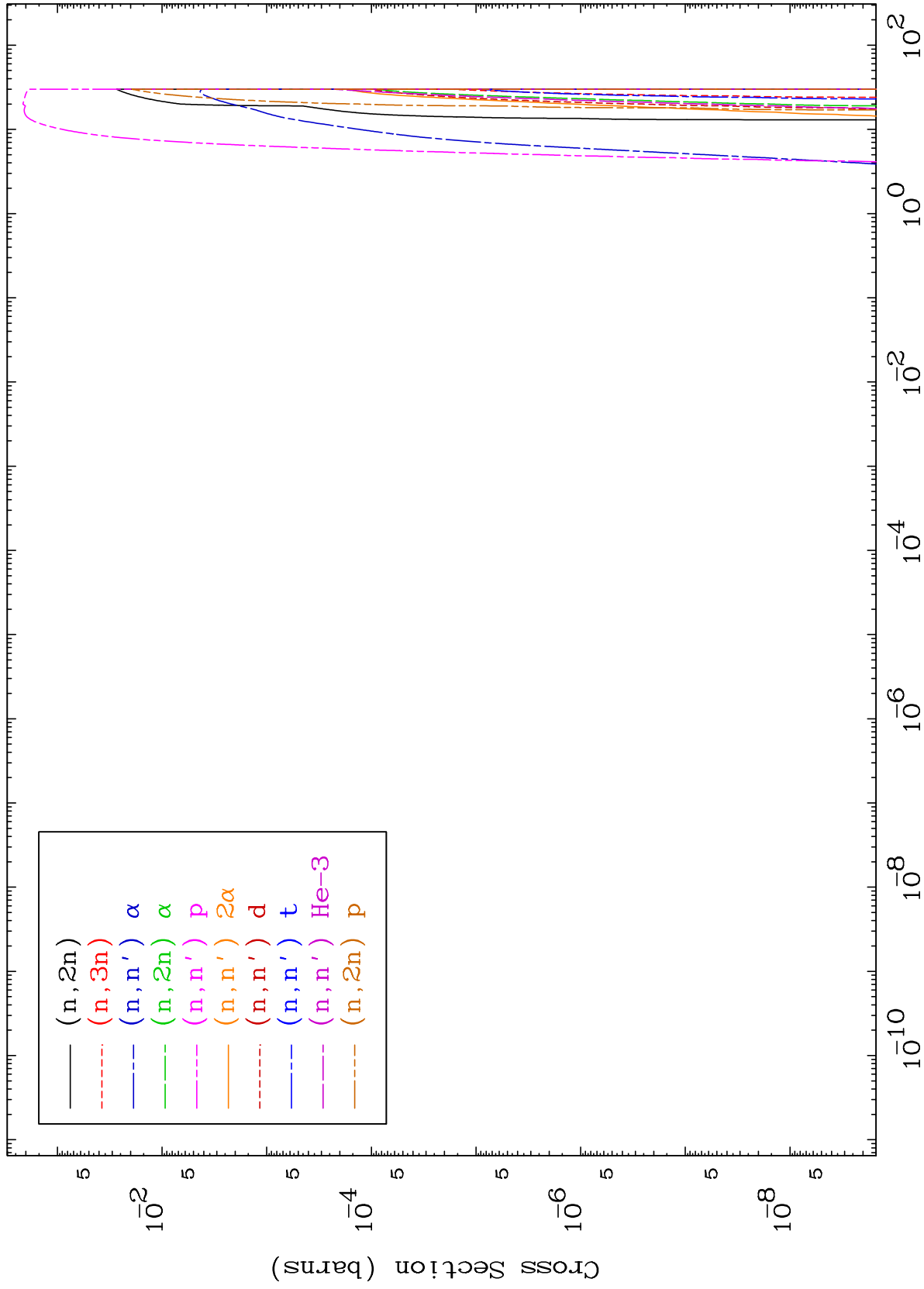
64-Gd-136



MAT 6377

Neutron Absorption  
293 Kelvin Cross Sections

64-Gd-136



2

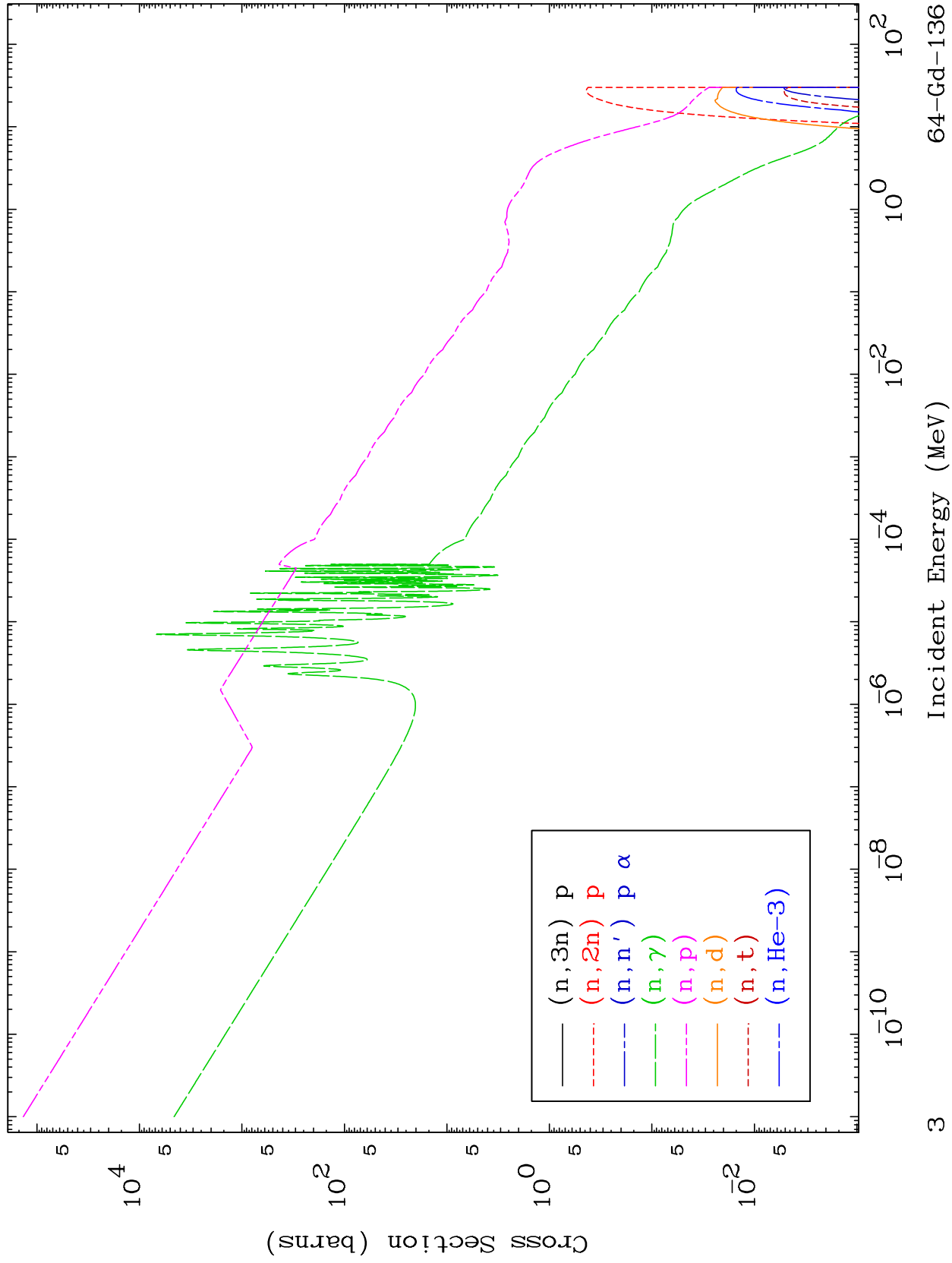
Incident Energy (MeV)

64-Gd-136

MAT 6377

Neutron Absorption  
293 Kelvin Cross Sections

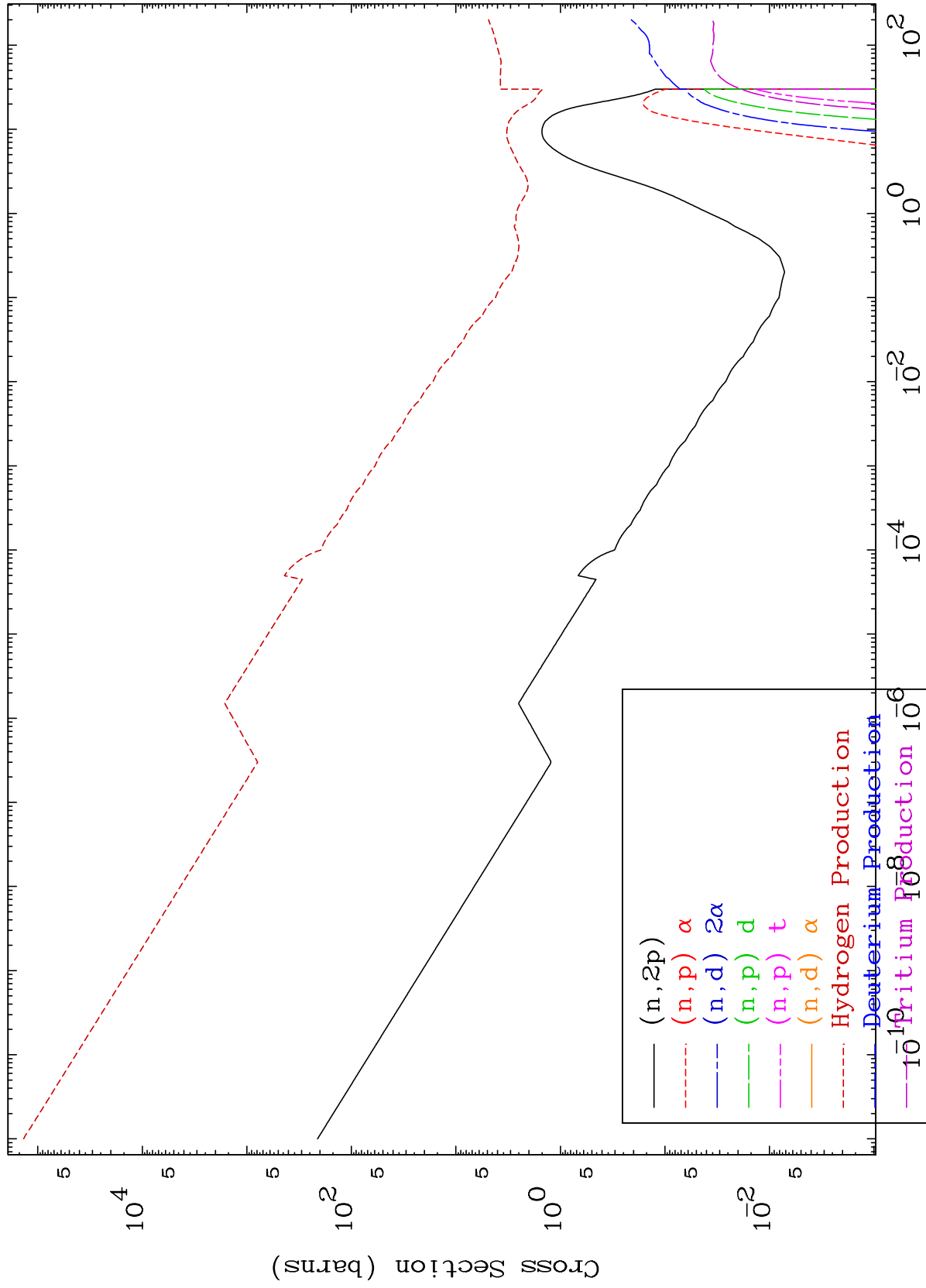
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MAT 6377

Neutron Absorption  
293 Kelvin Cross Sections

64-Gd-136



4

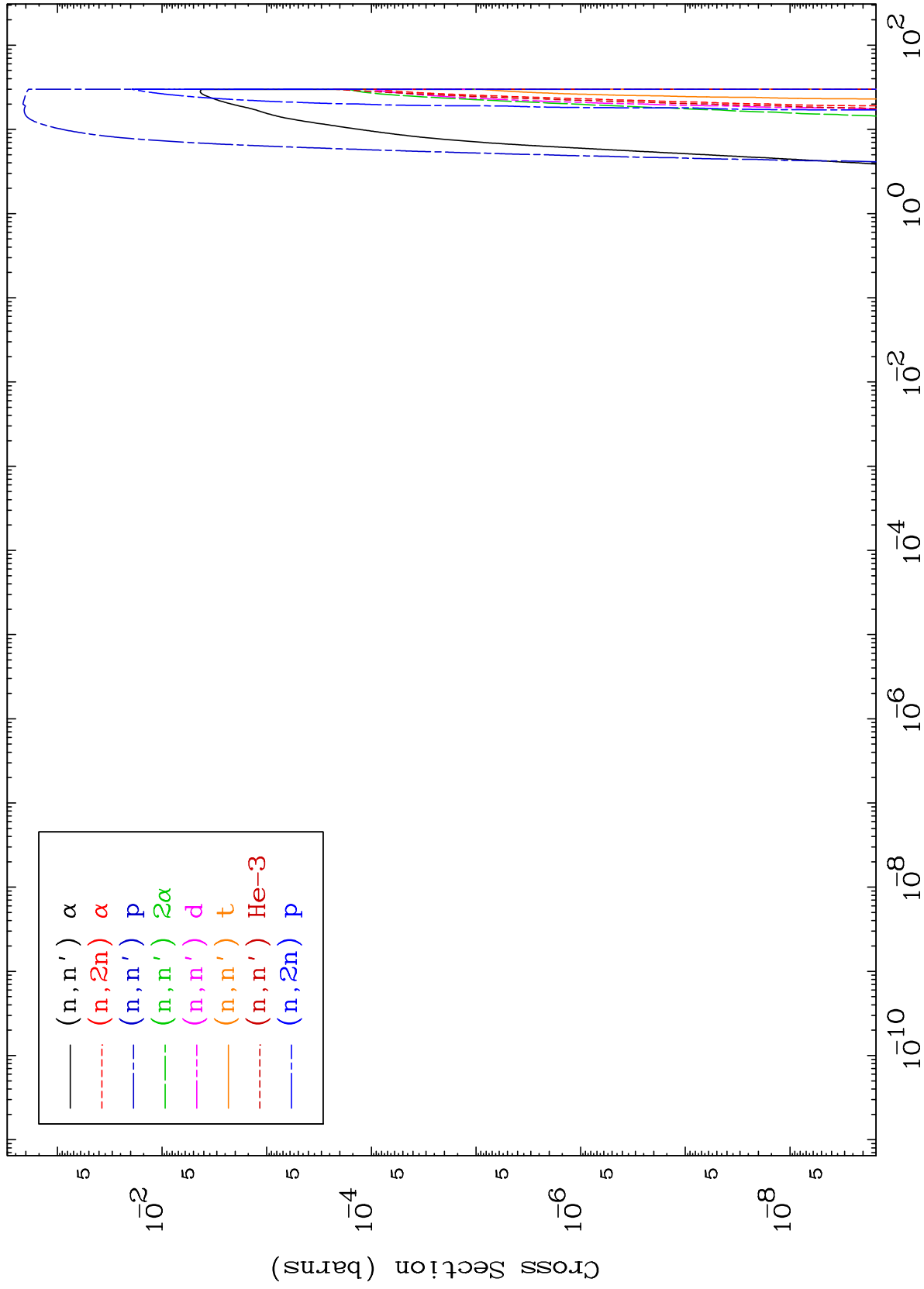
Incident Energy (MeV)

64-Gd-136

MAT 6377

Charged Particle  
293 Kelvin Cross Sections

64-Gd-136



5

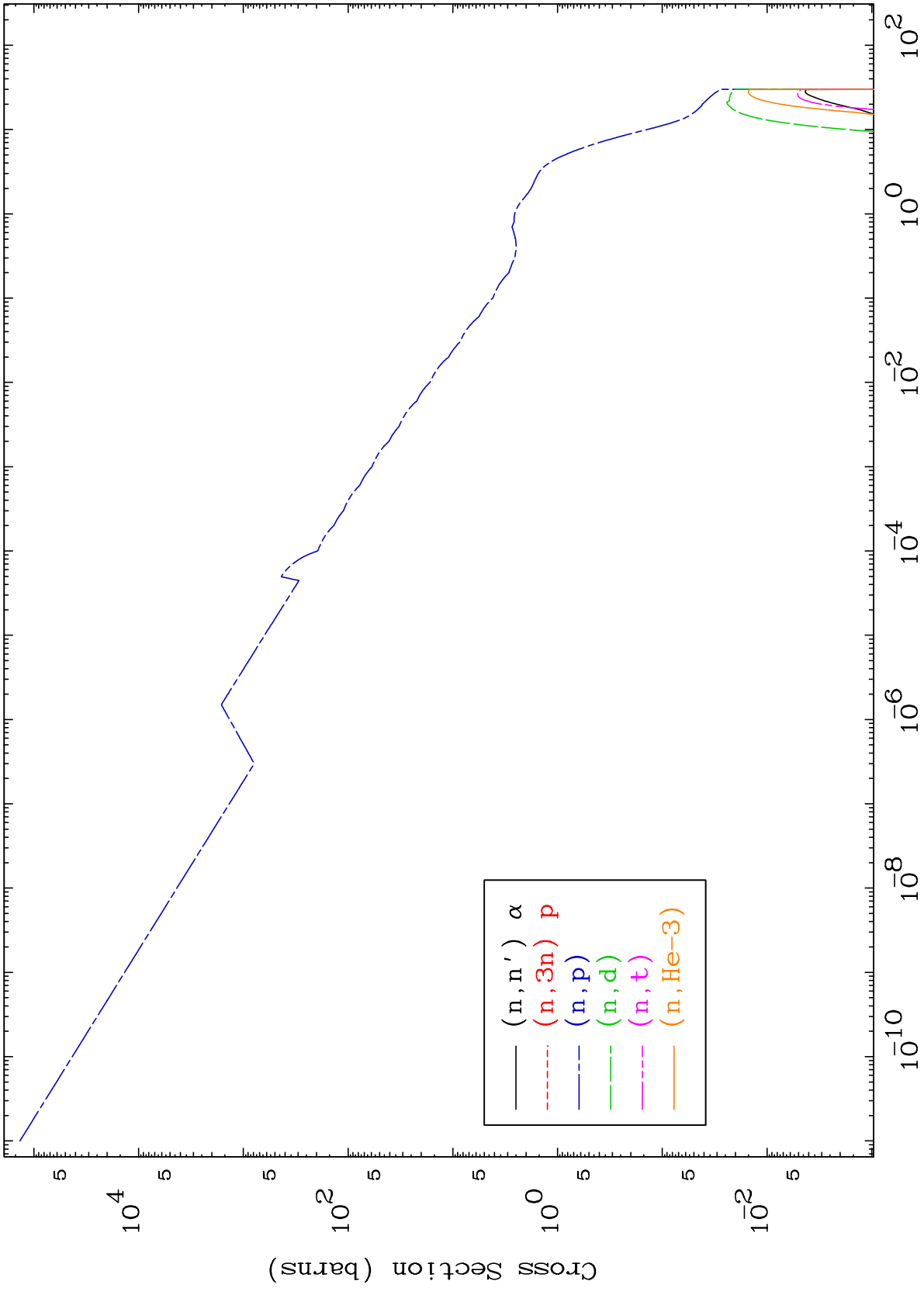
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64-Gd-136

MAT 6377

Charged Particle  
293 Kelvin Cross Sections

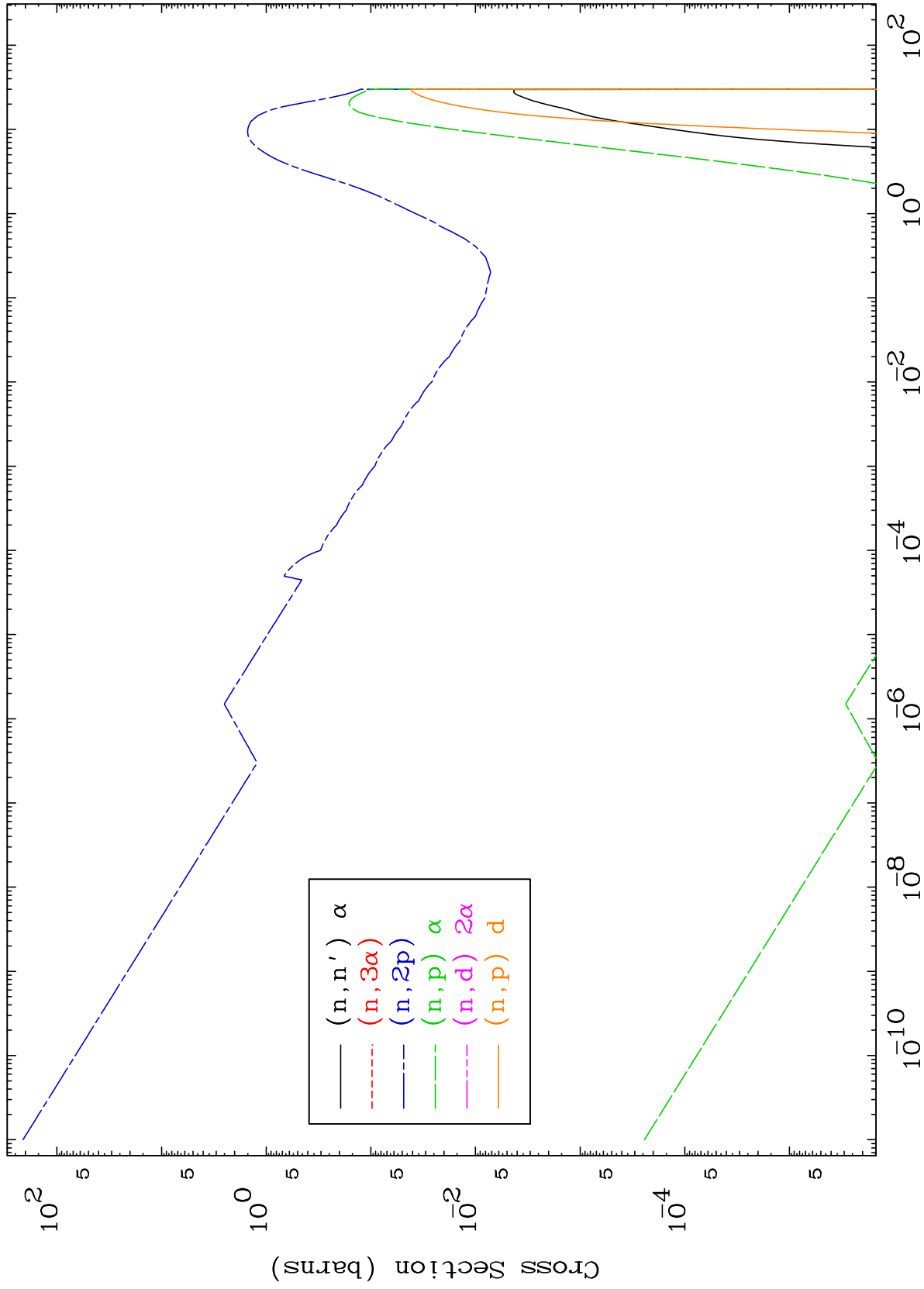
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MAT 6377

Charged Particle  
293 Kelvin Cross Sections

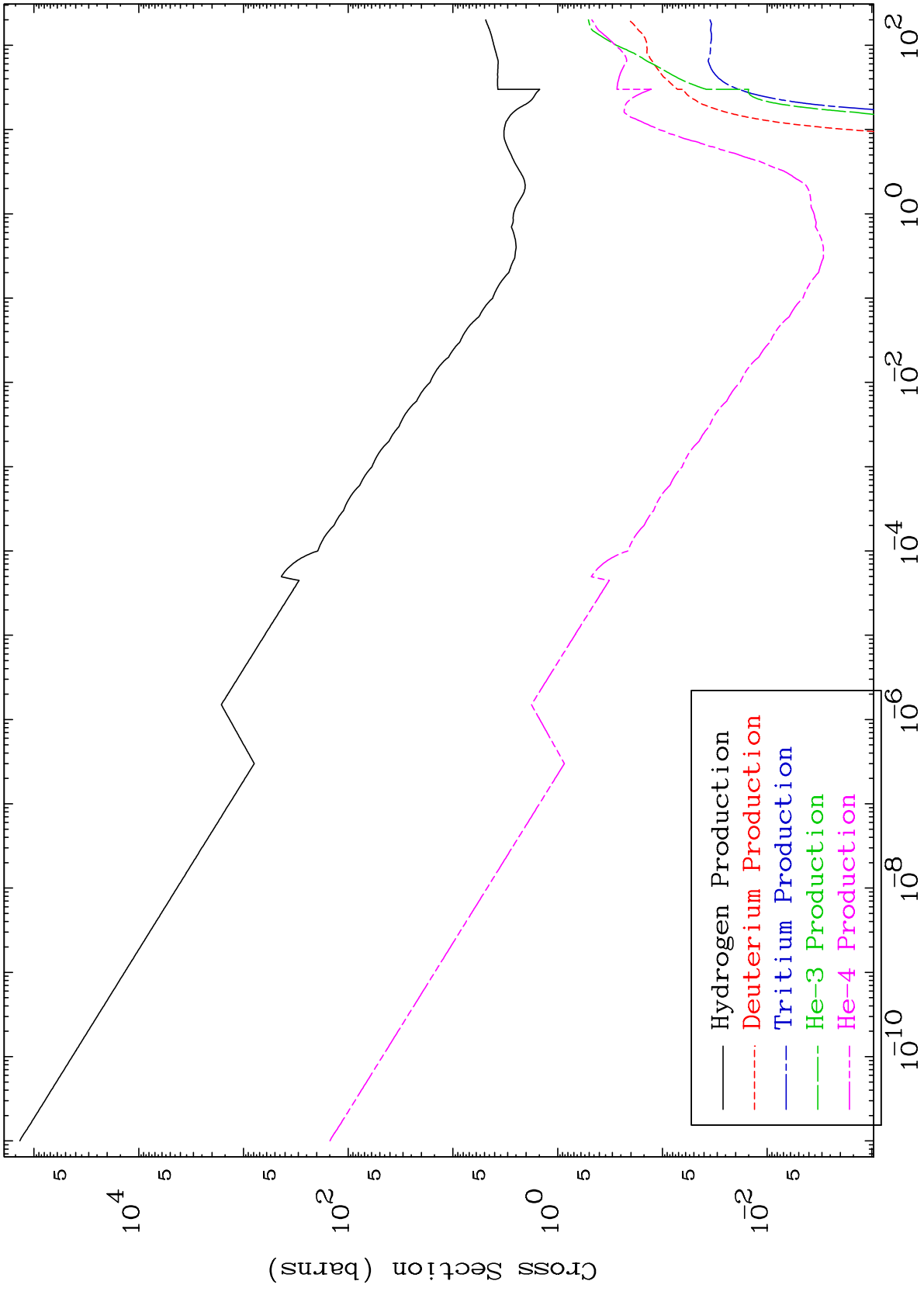
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MAT 6377

Particle Production  
293 Kelvin Cross Sections

64-Gd-136



64-Gd-136

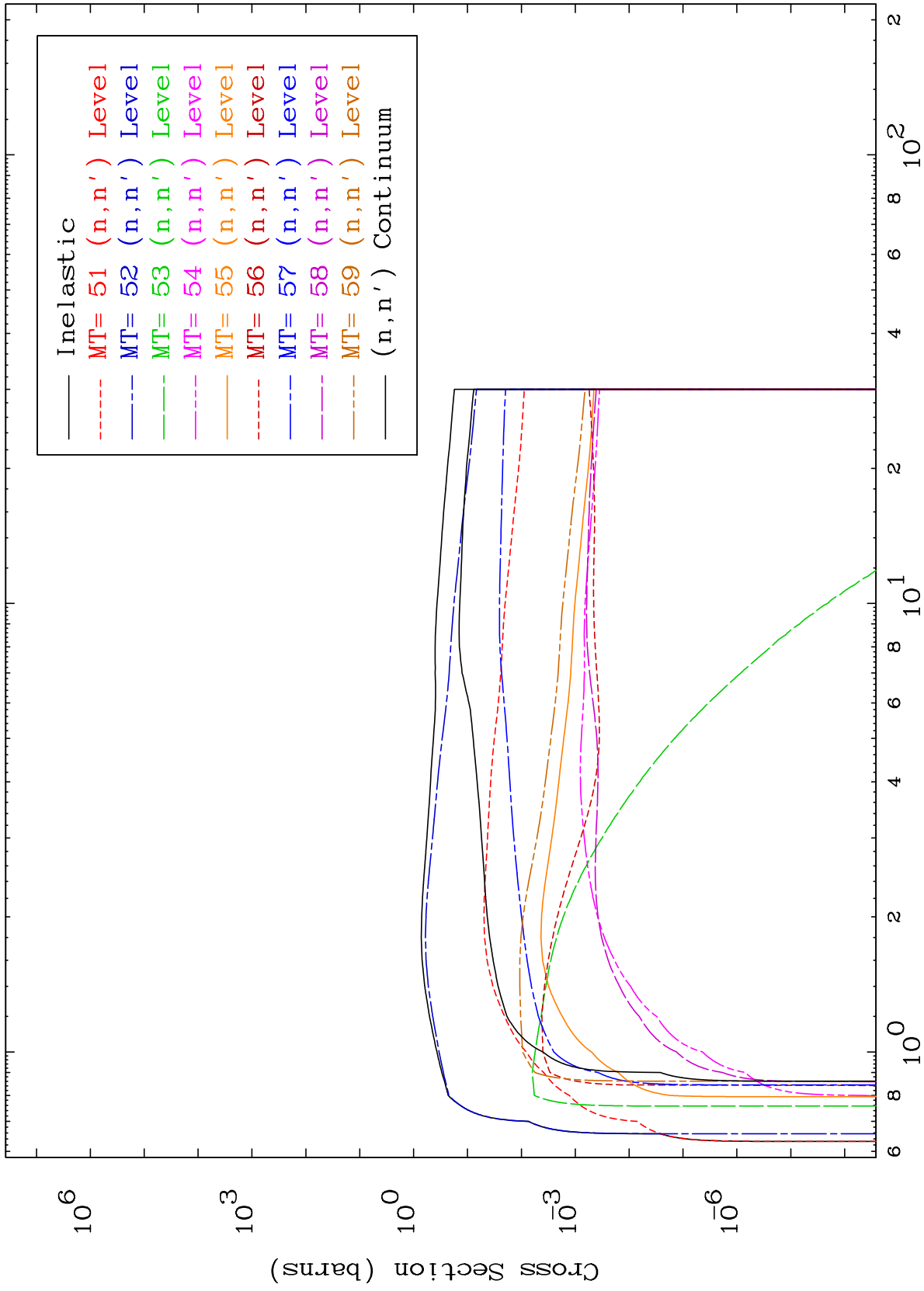
Incident Energy (MeV)

MAT 6377

(n,n') Levels

64-Gd-136

293 Kelvin Cross Sections



9

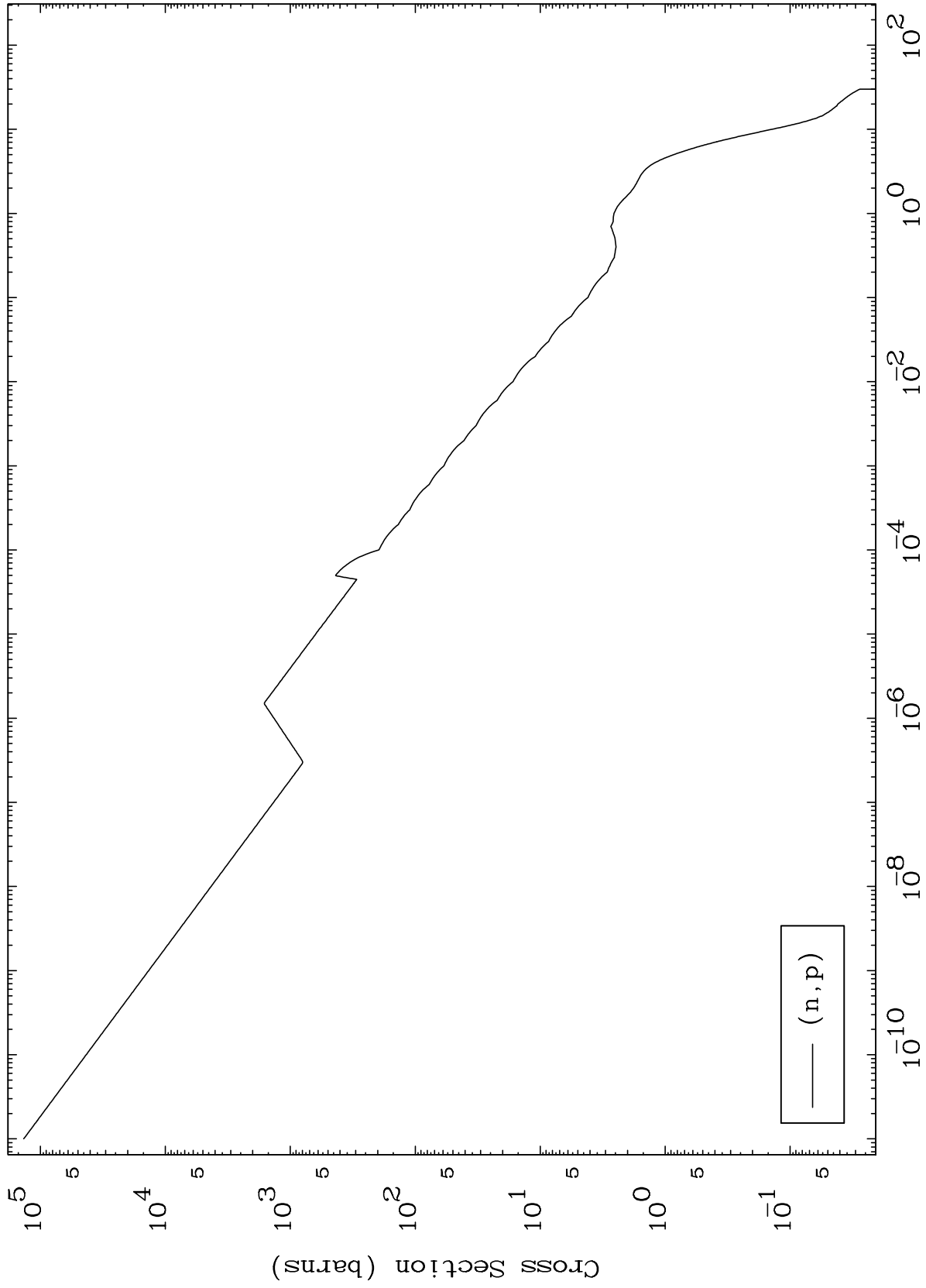
Incident Energy (MeV)

64-Gd-136

MAT 6377

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-136



10

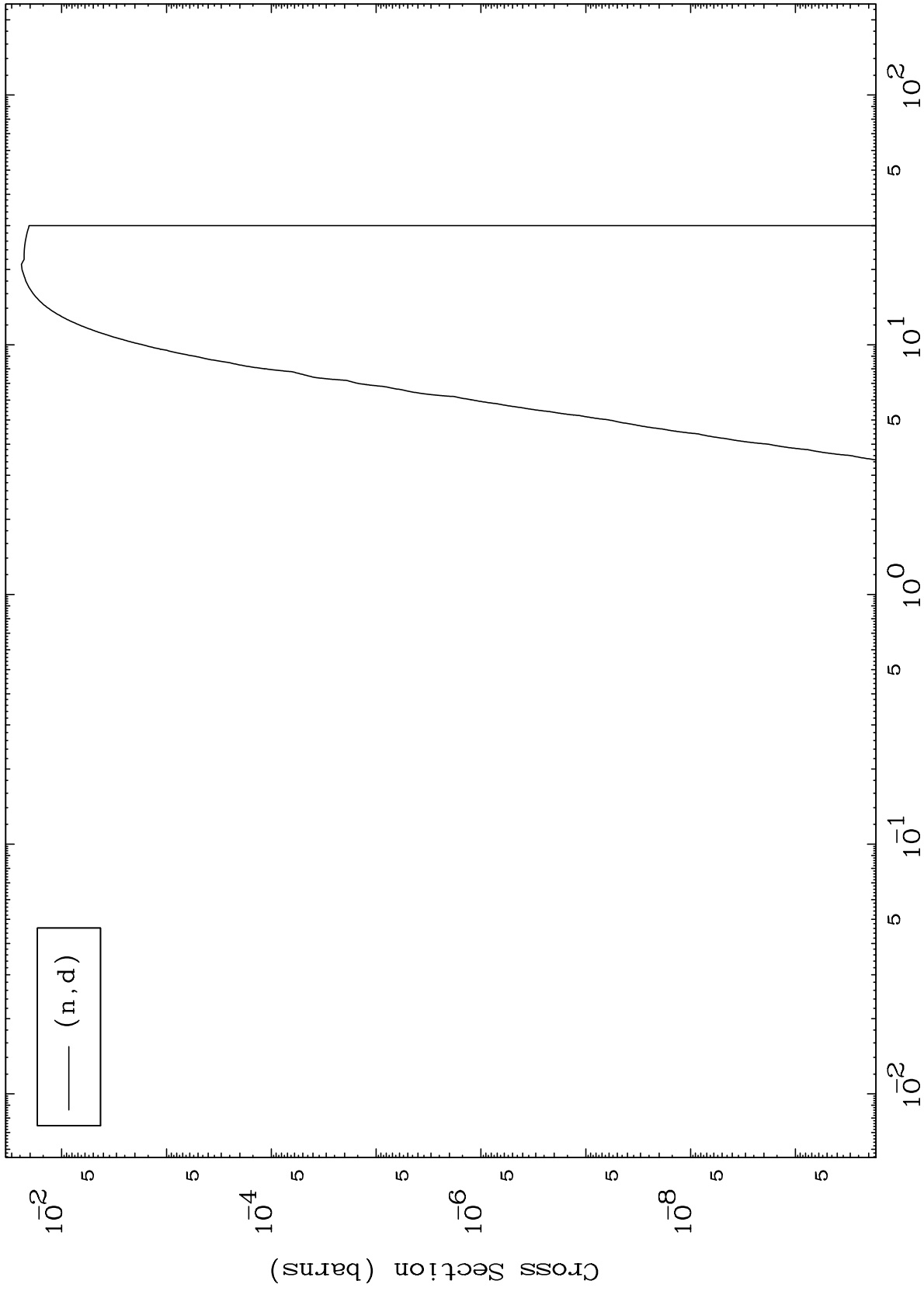
Incident Energy (MeV)

64-Gd-136

MAT 6377

(n,d) Levels  
293 Kelvin Cross Sections

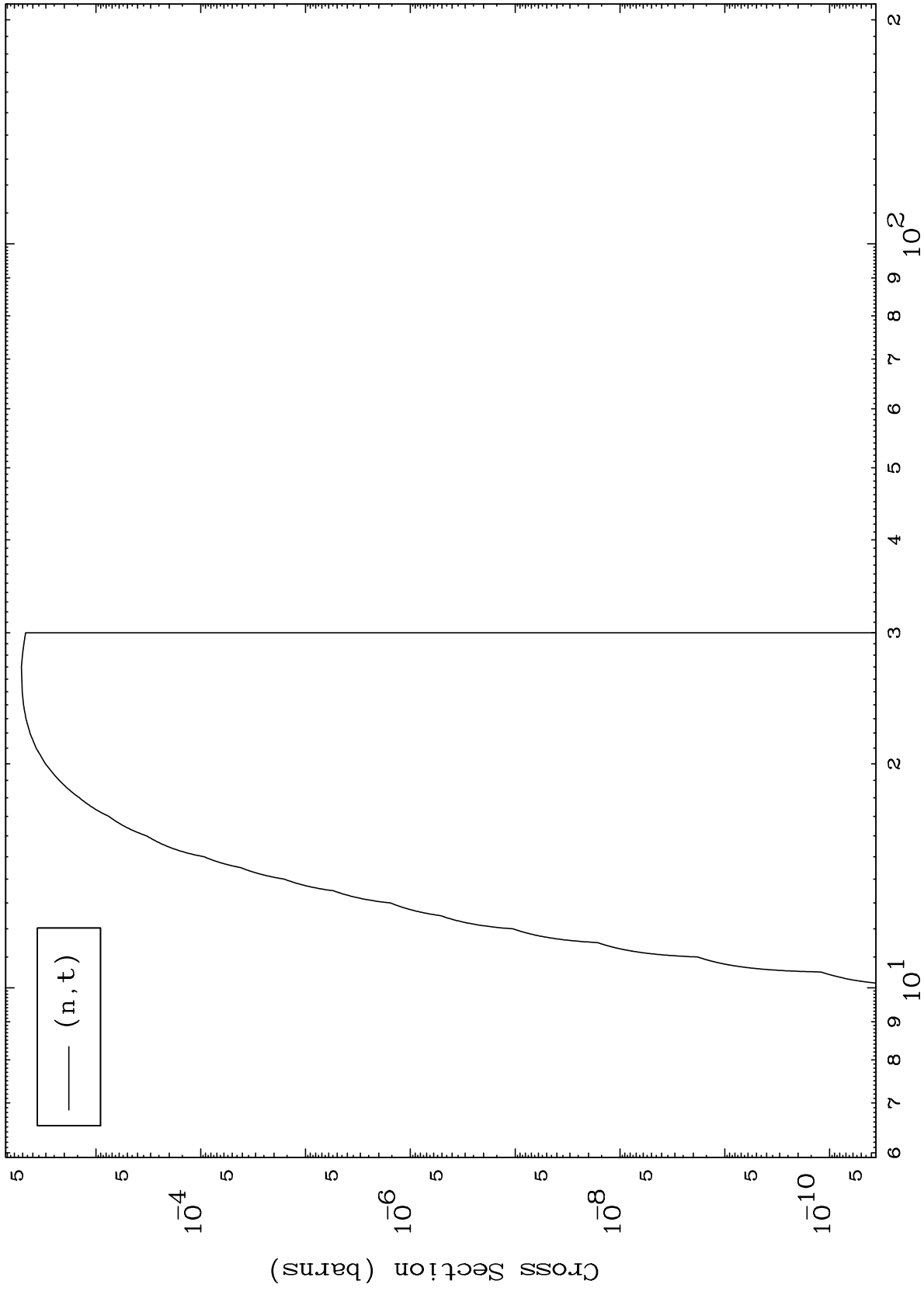
64-Gd-136



MAT 6377

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-136



12

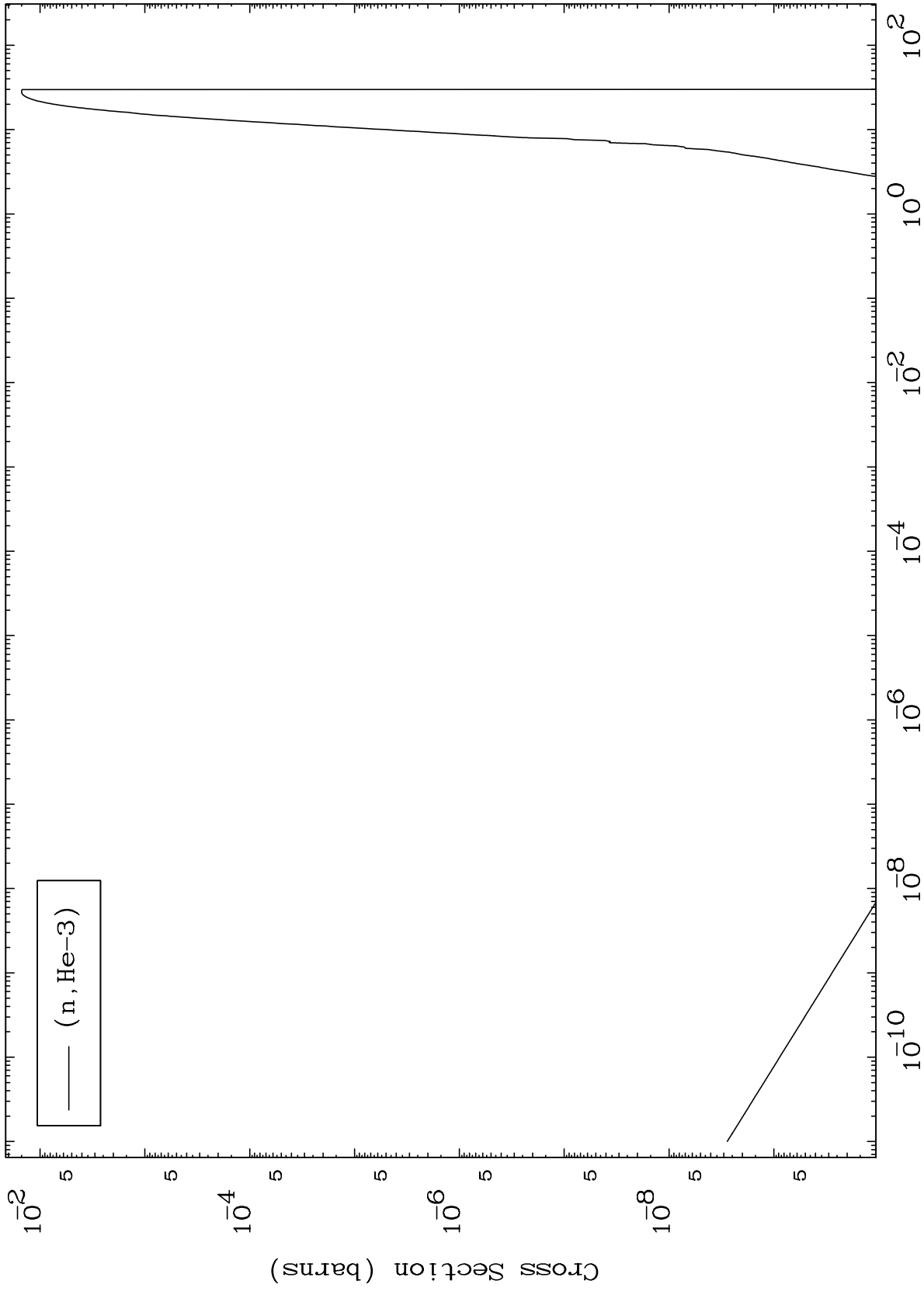
Incident Energy (MeV)

64-Gd-136

MAT 6377

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-136



13

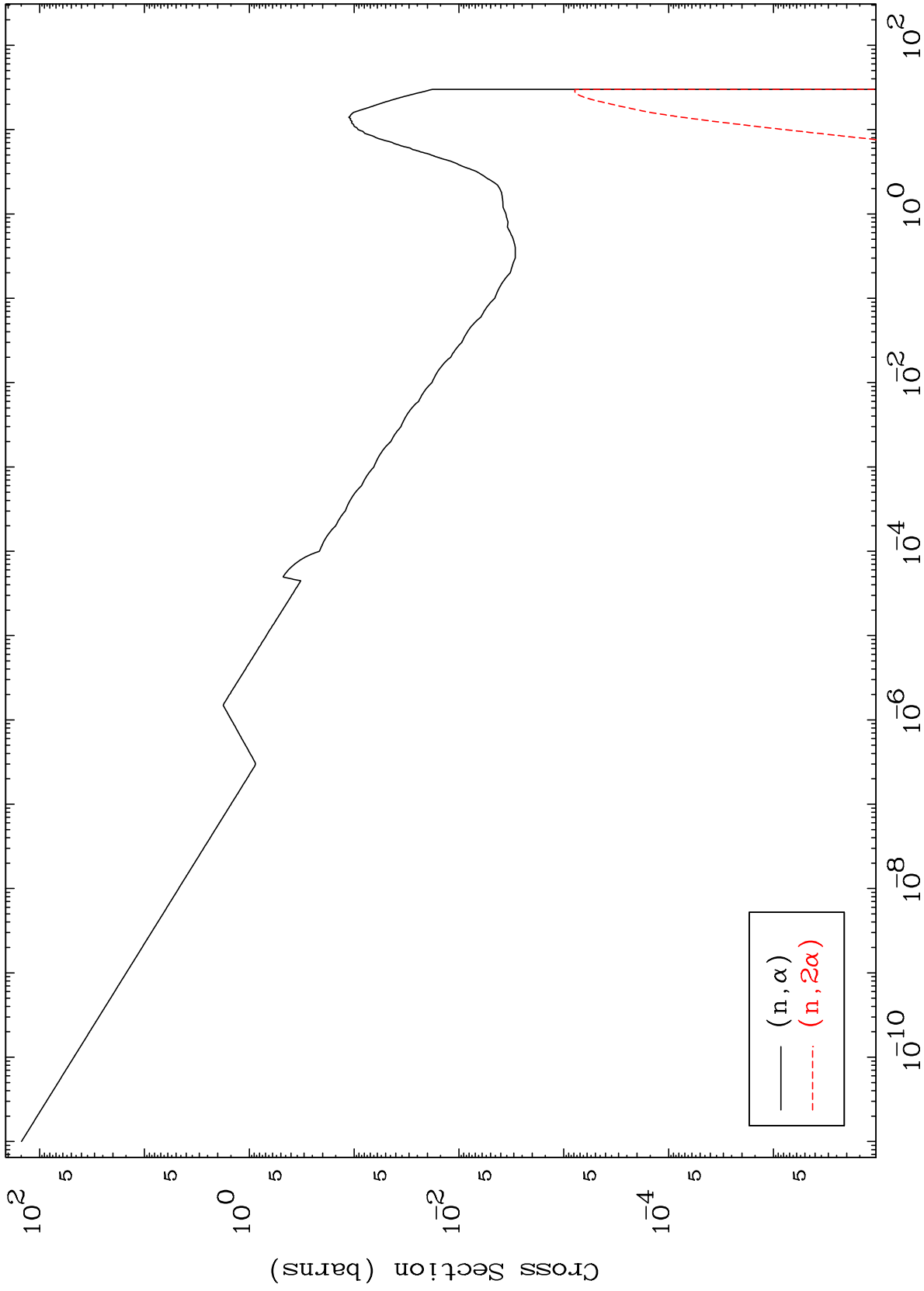
Incident Energy (MeV)

64-Gd-136

MAT 6377

(n,α) Levels  
293 Kelvin Cross Sections

64-Gd-136



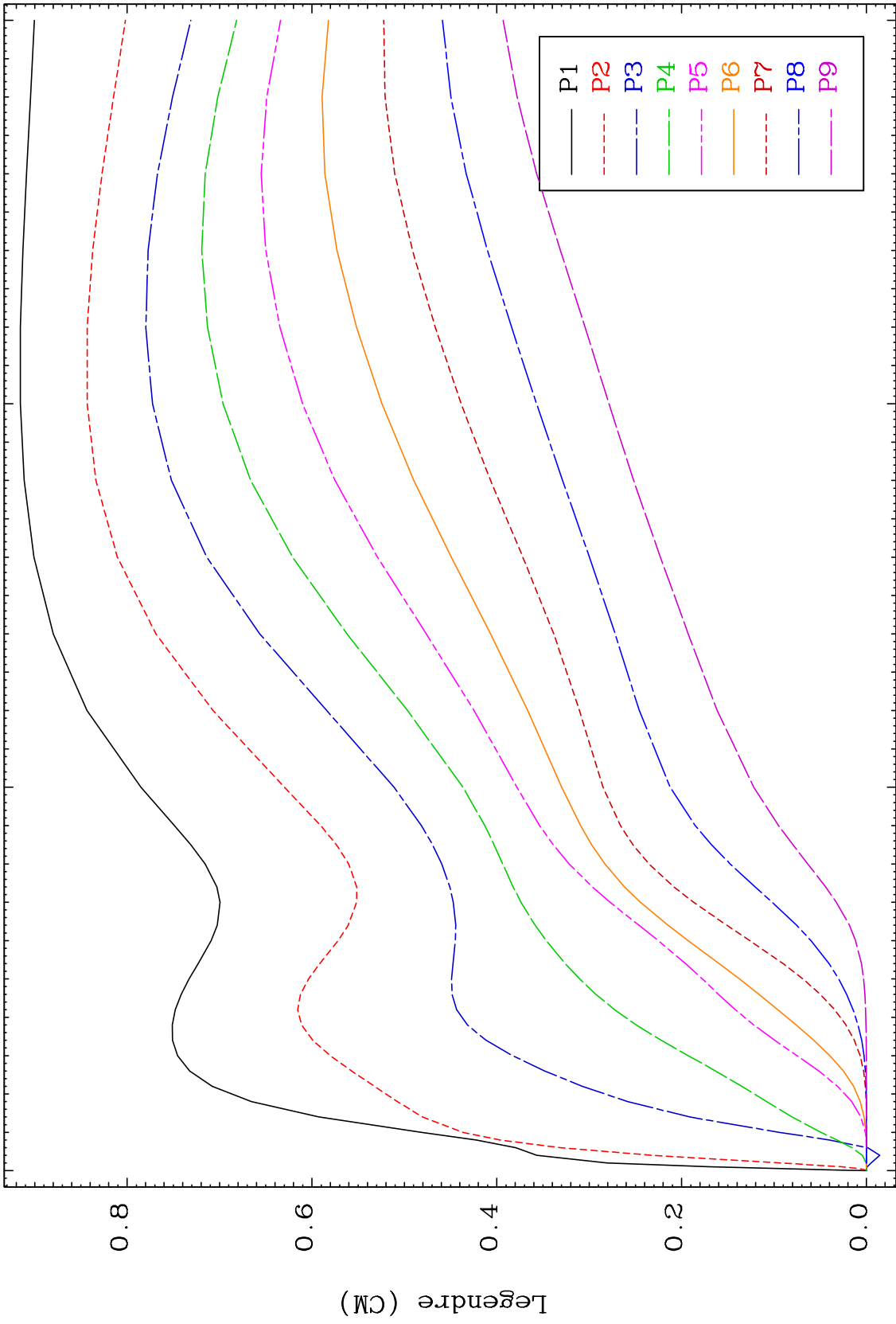
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64-Gd-136

MAT 6377

Elastic Legendre Coefficients

64-Gd-136



15

Incident Energy (MeV)

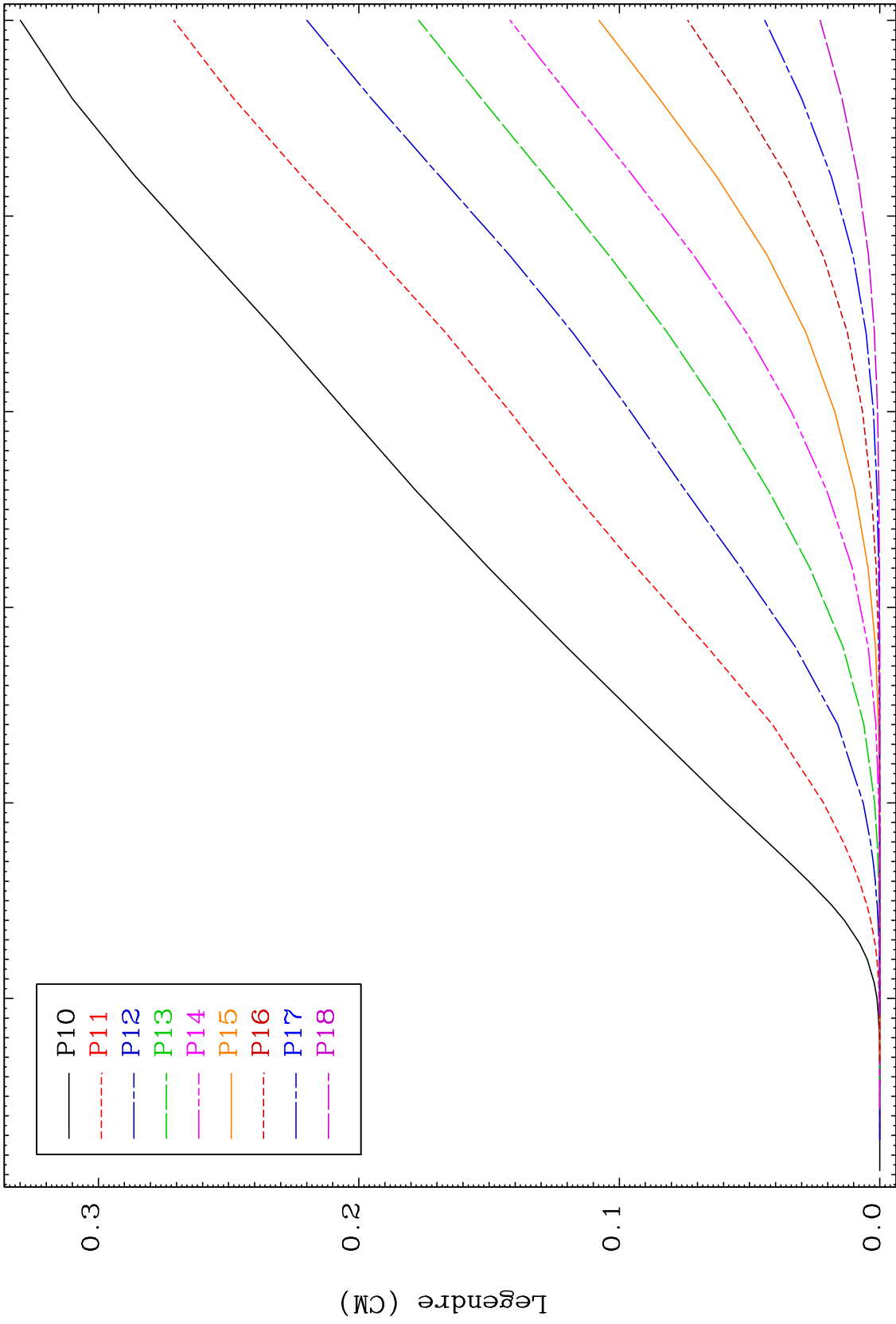
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MAT 6377

Elastic Legendre Coefficients

64-Gd-136



16

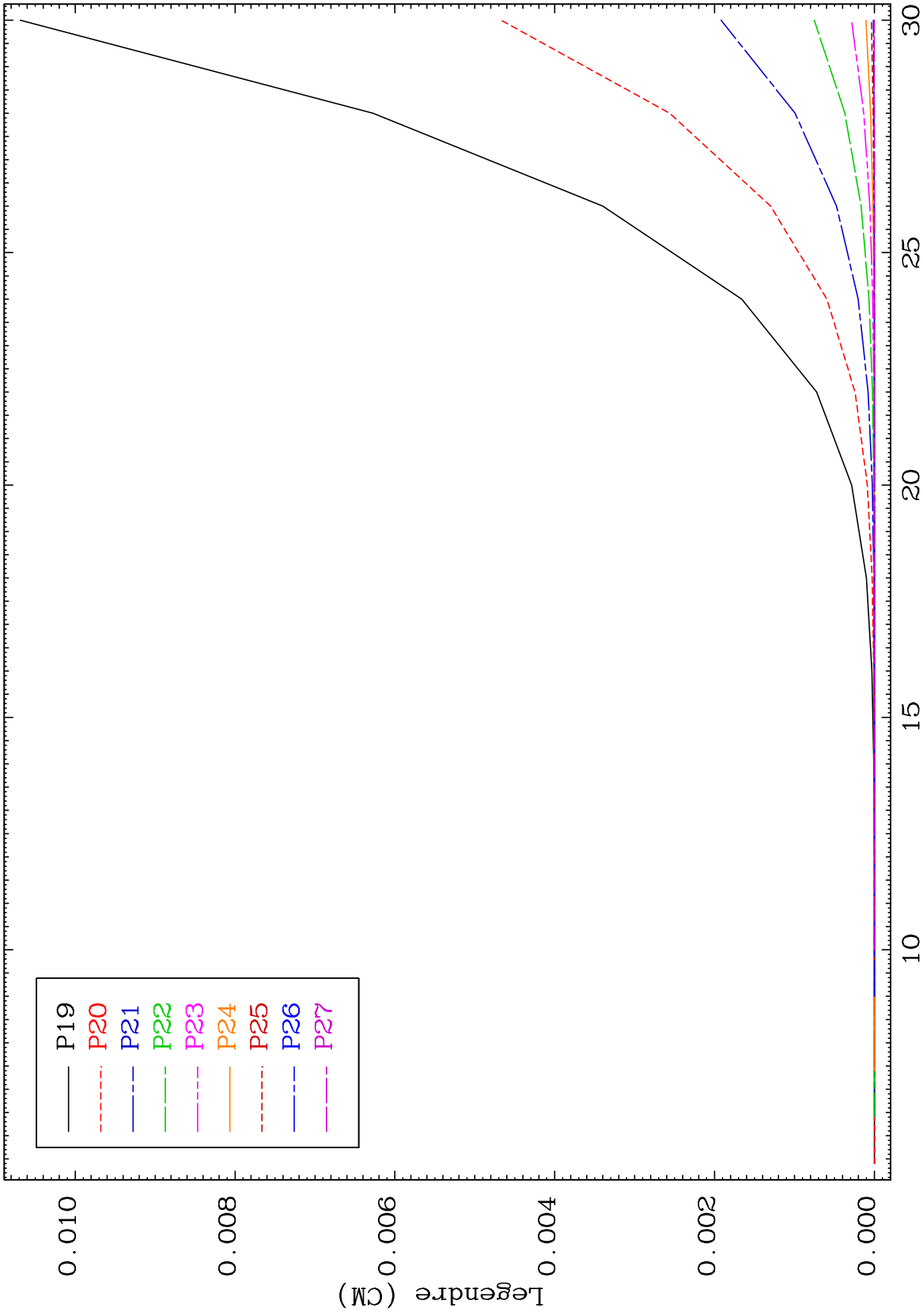
Incident Energy (MeV)

64-Gd-136

MAT 6377

### Elastic Legendre Coefficients

64-Gd-136



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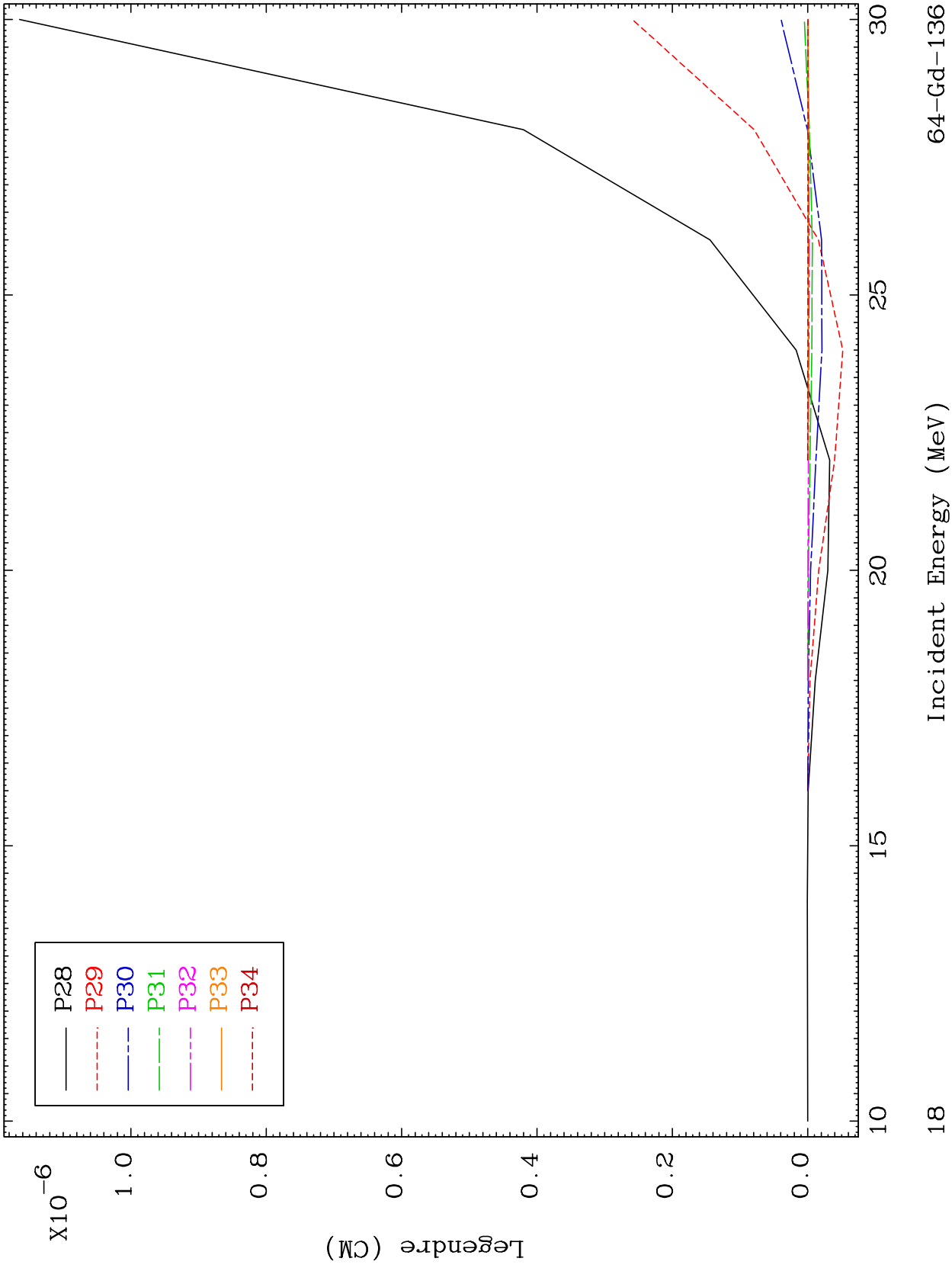
Incident Energy (MeV)

64-Gd-136

MAT 6377

Elastic Legendre Coefficients

64-Gd-136



18

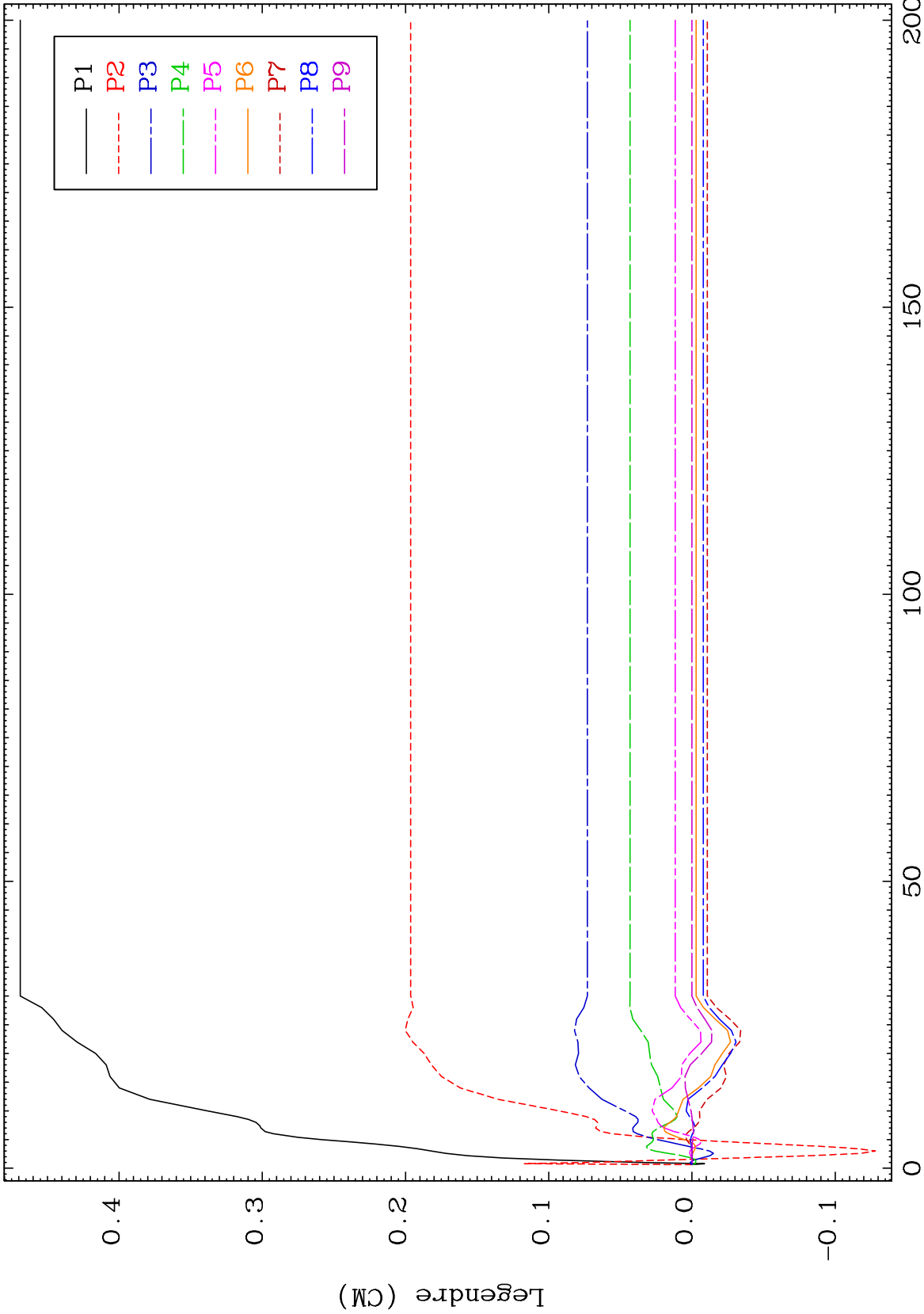
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



19

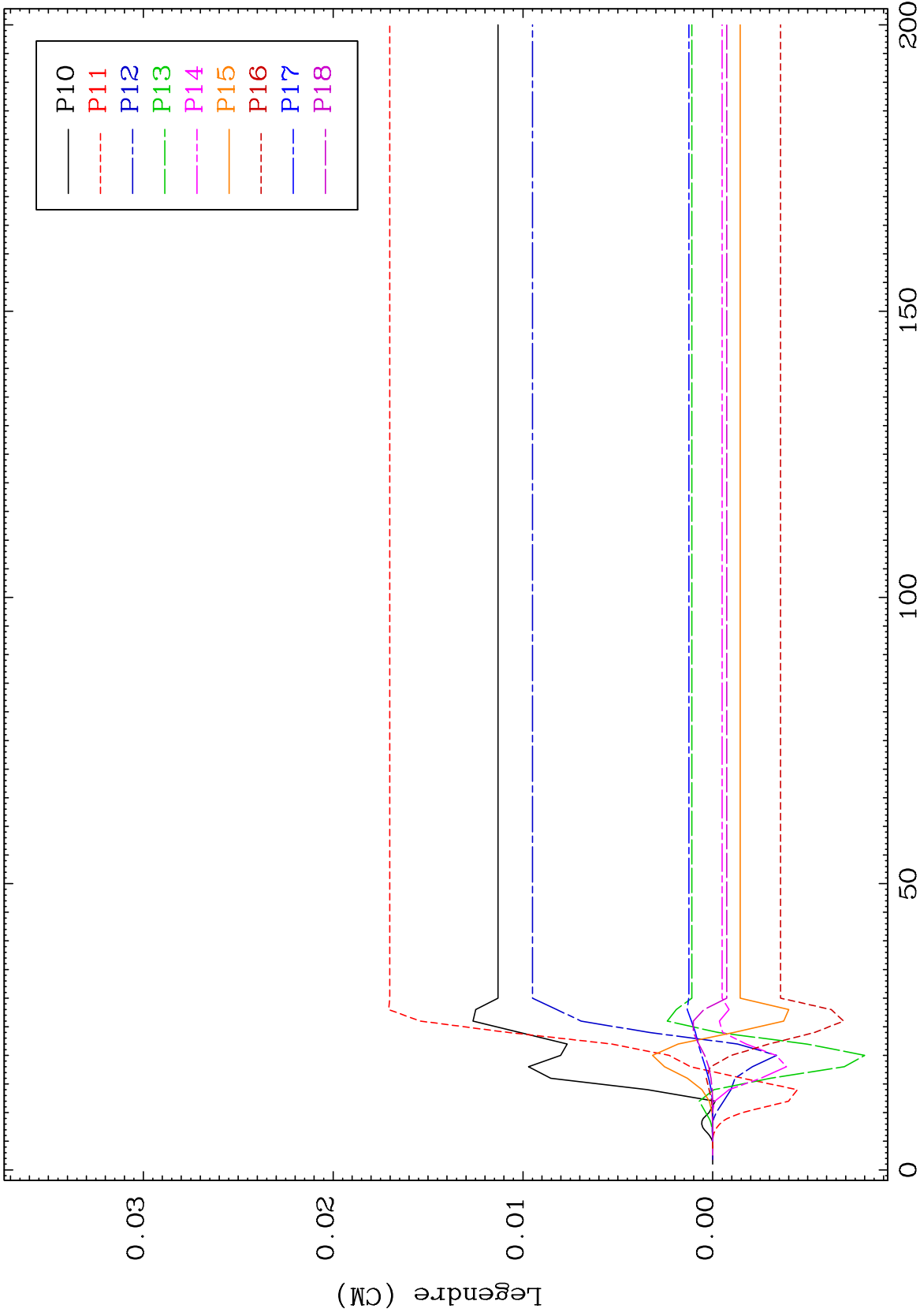
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



64-Gd-136

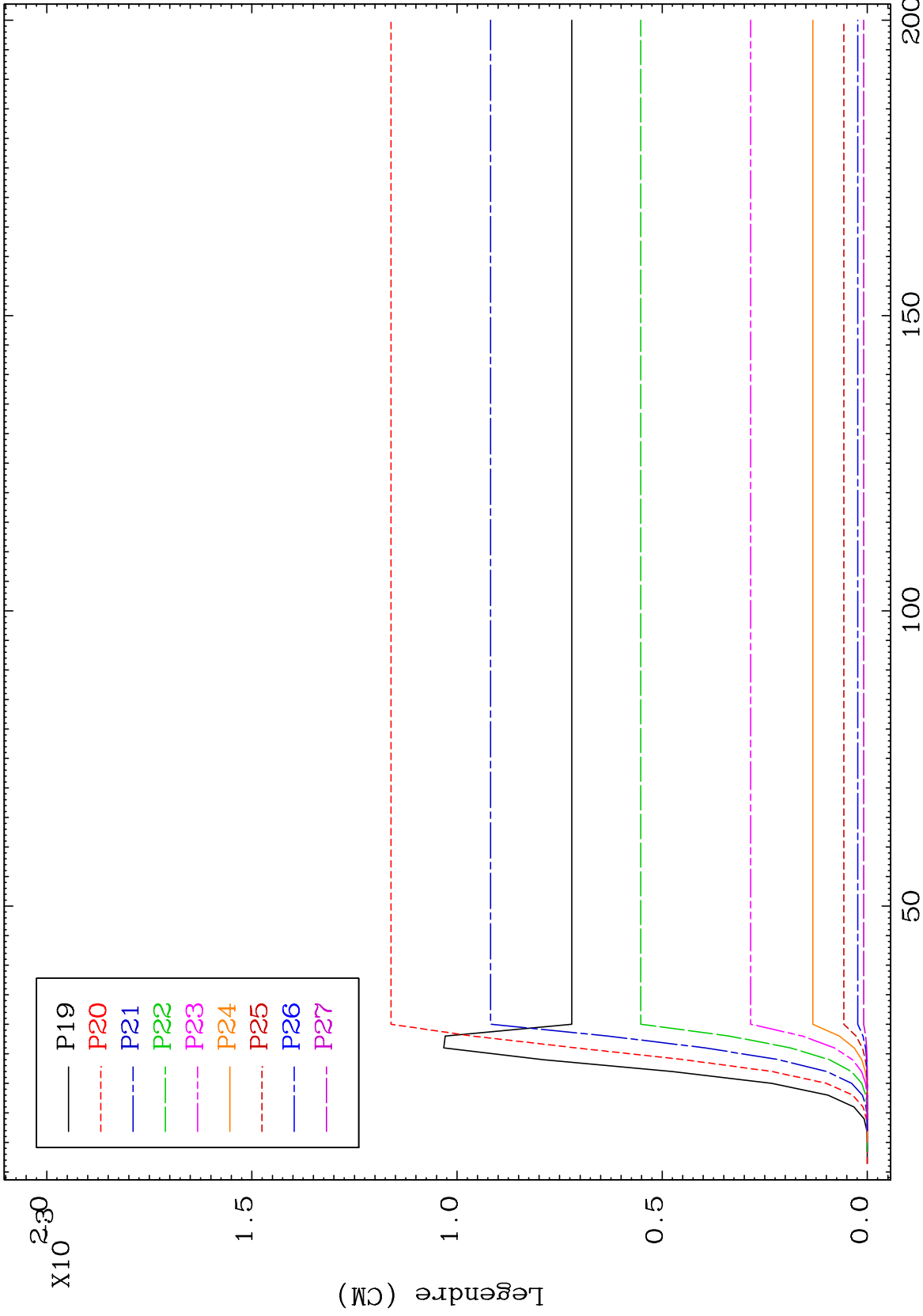
Incident Energy (MeV)

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MAT 6377

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

64-Gd-136



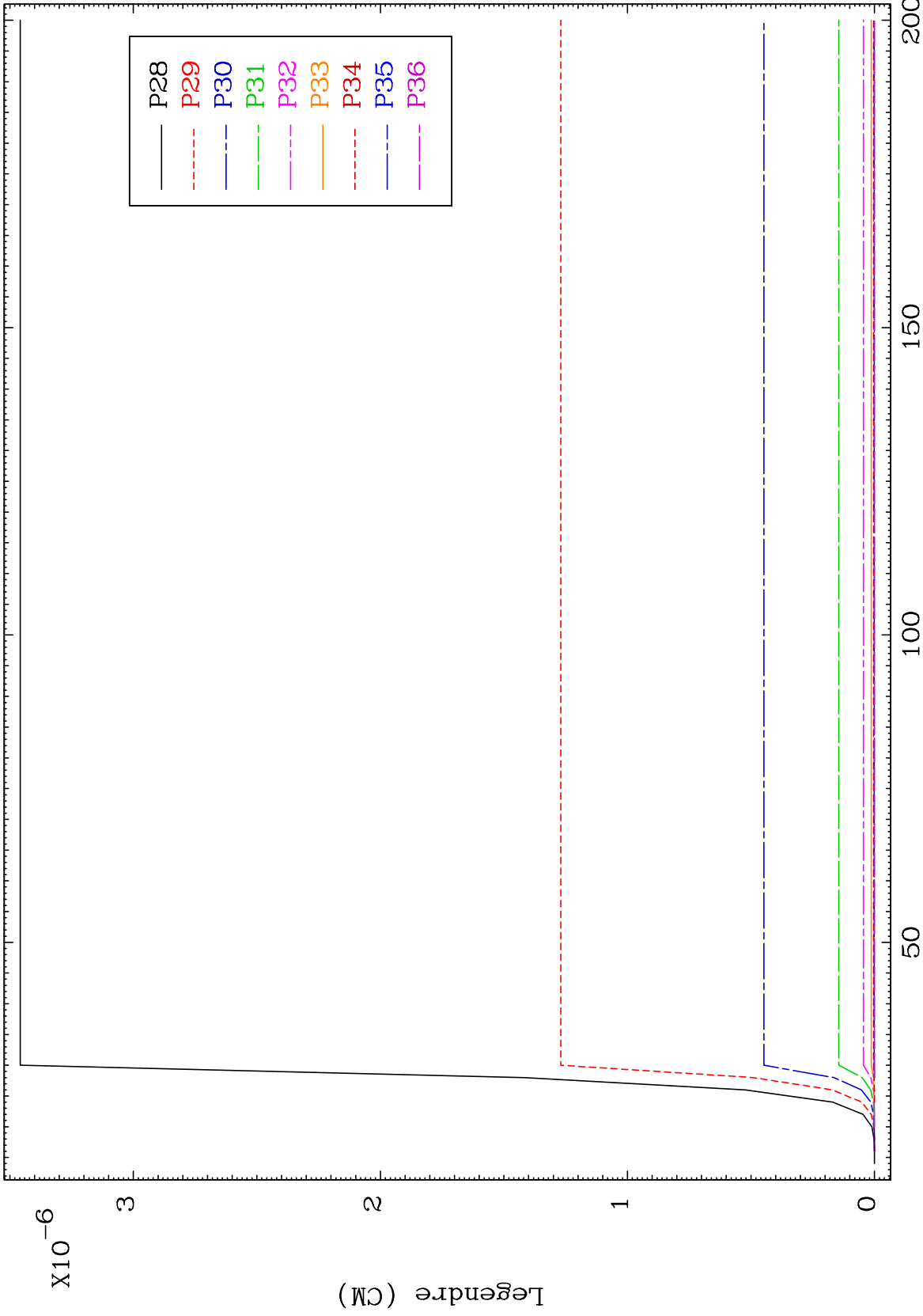
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64-Gd-136

MAT 6377

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

64-Gd-136



22

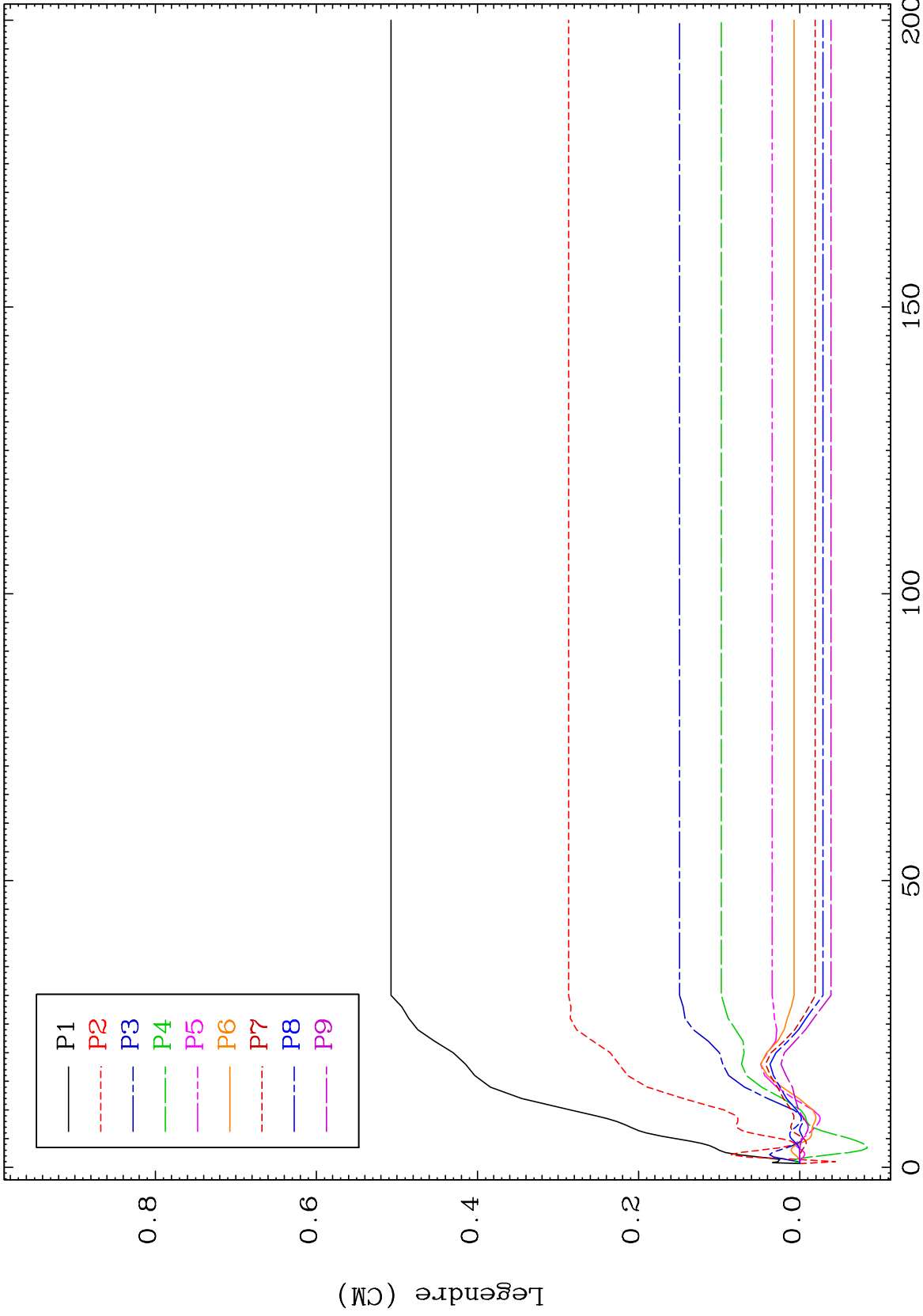
64-Gd-136

64-Gd-136

MAT 6377

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

64-Gd-136



23

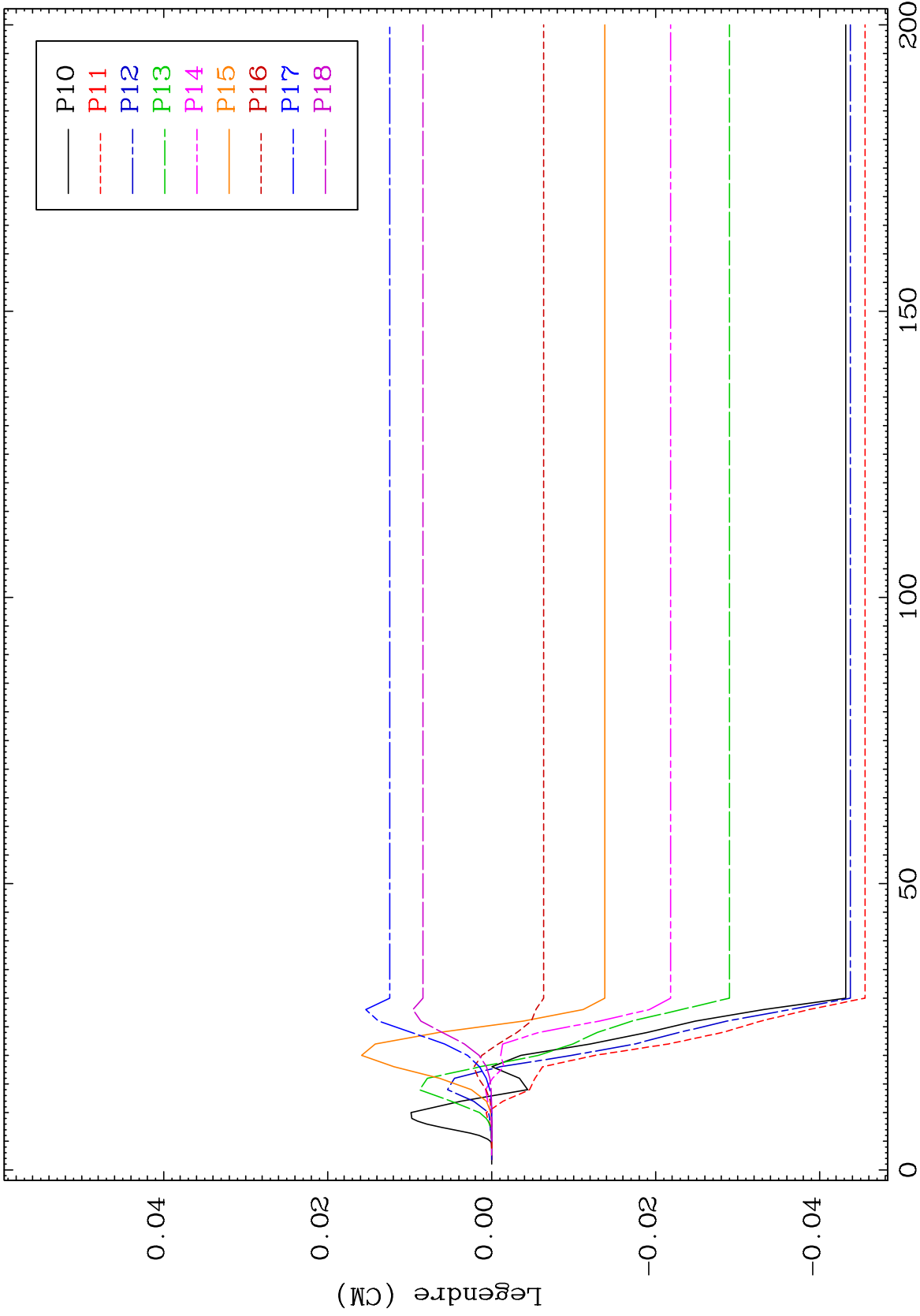
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



24

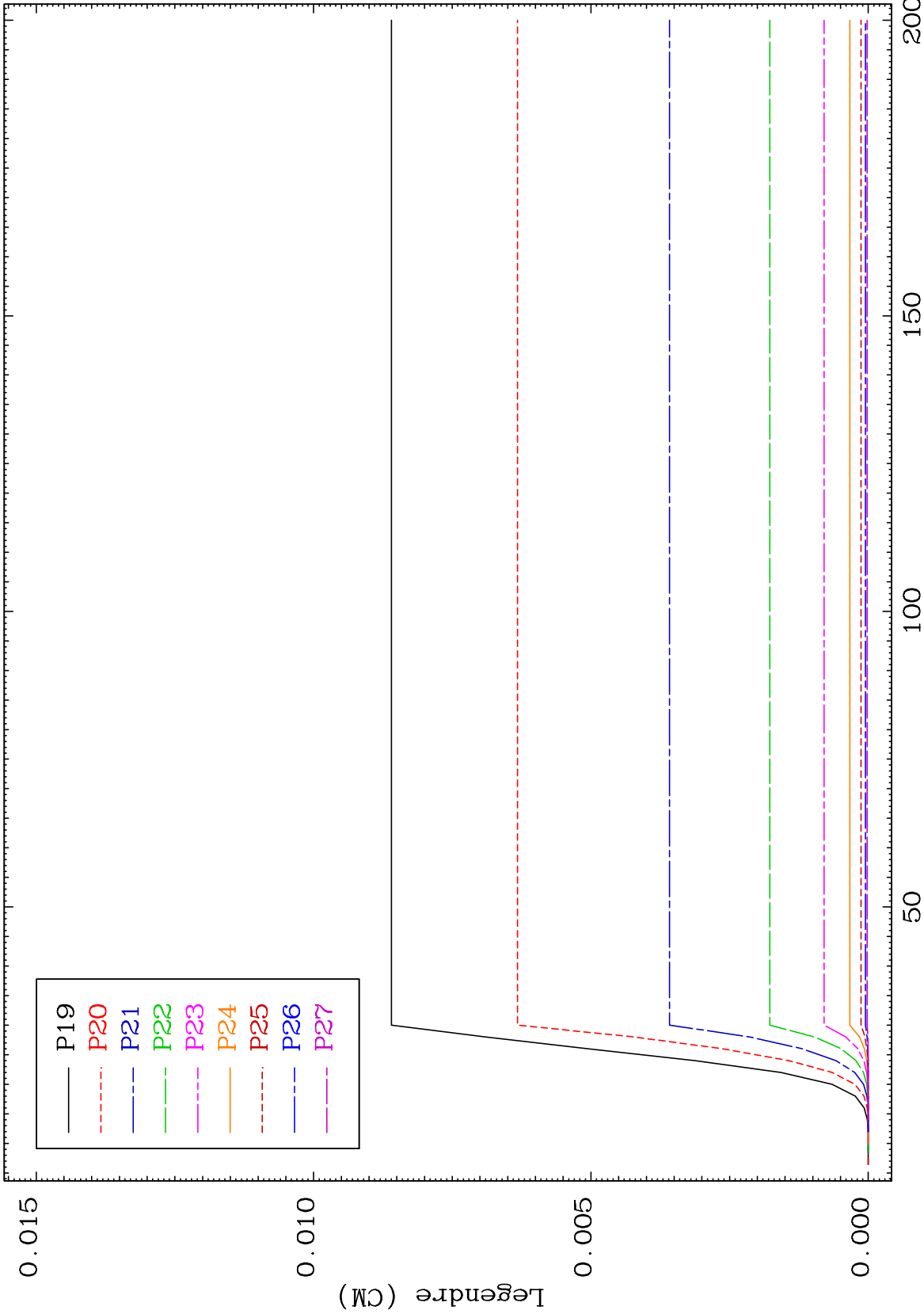
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



25

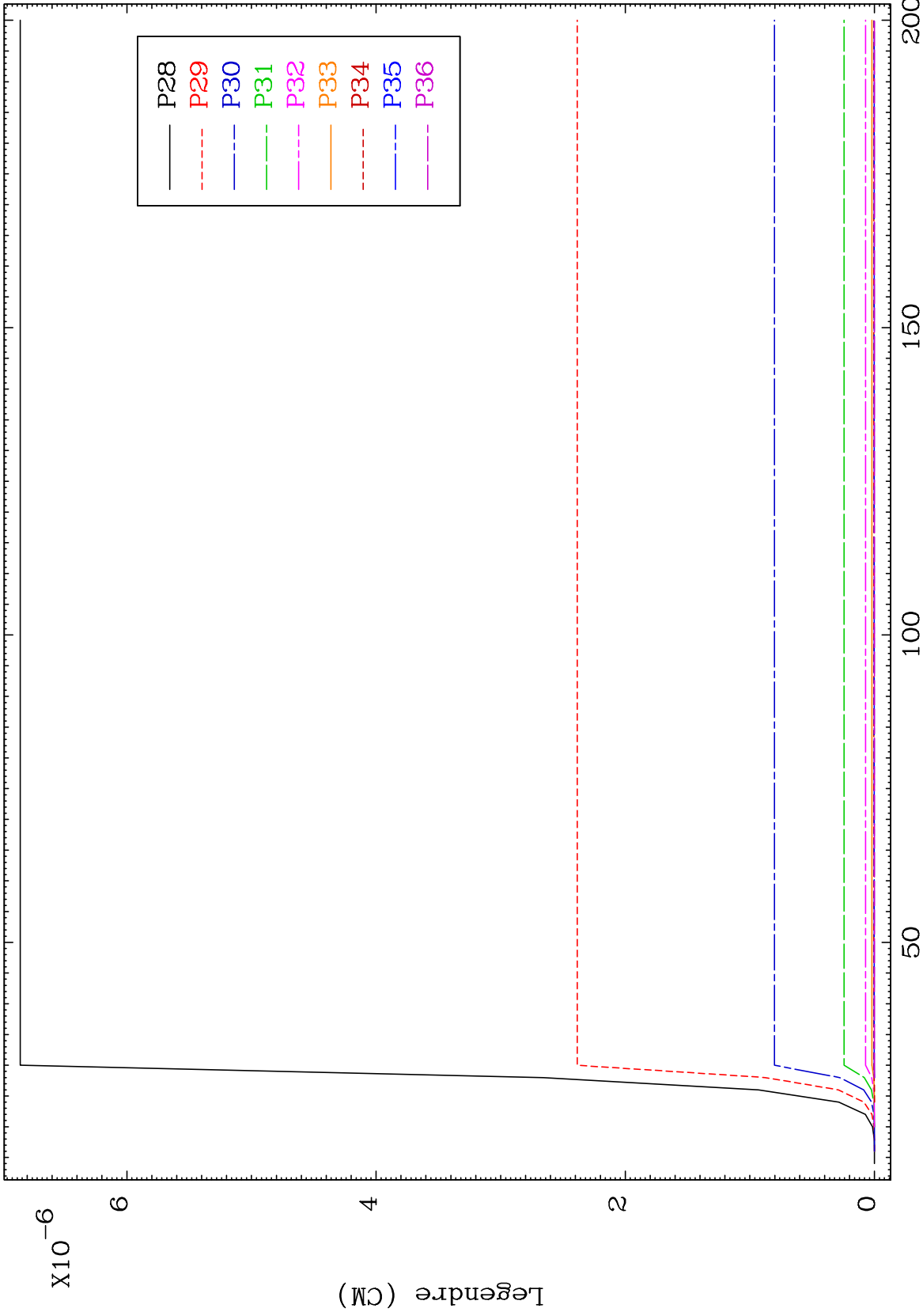
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



26

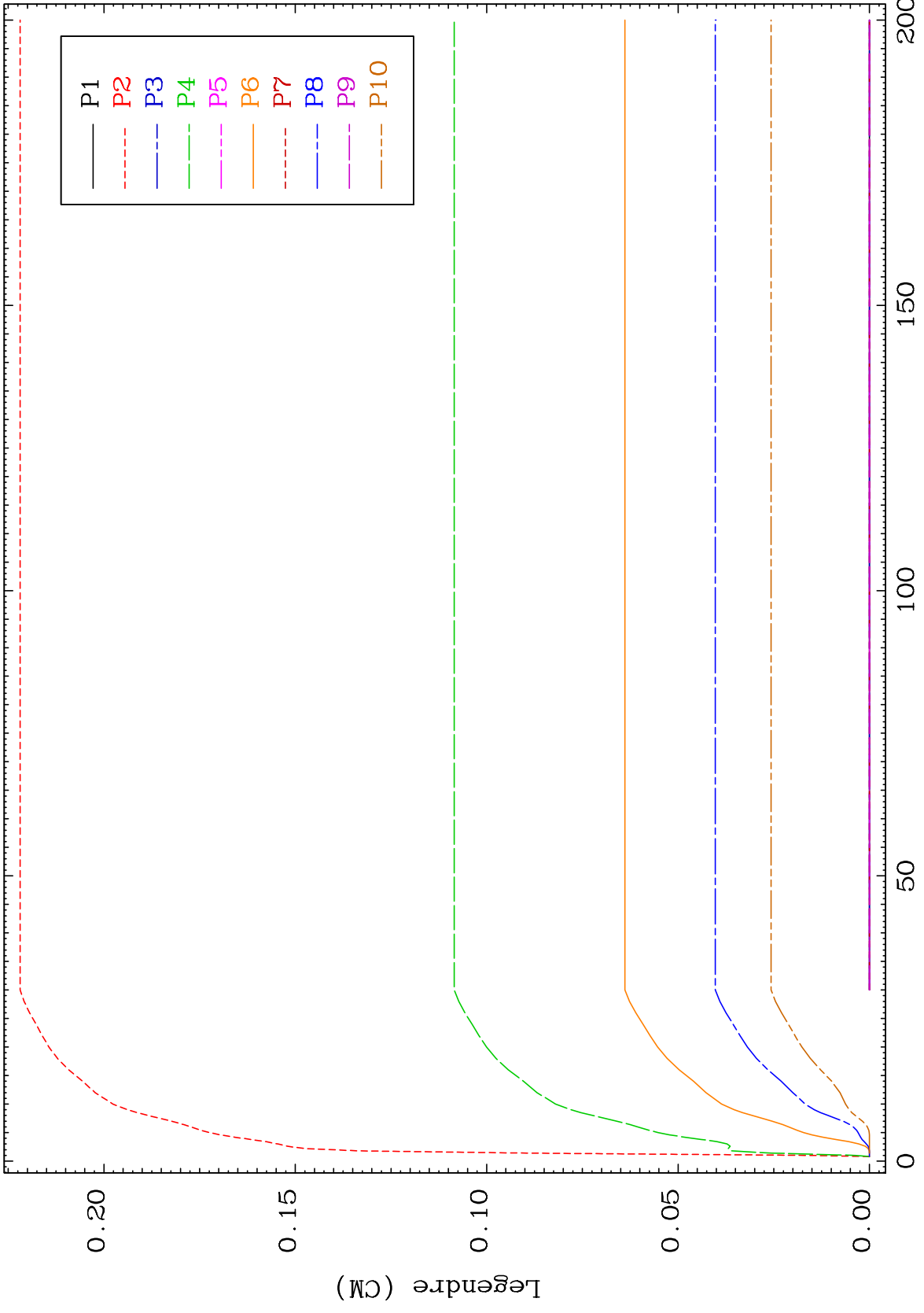
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



27

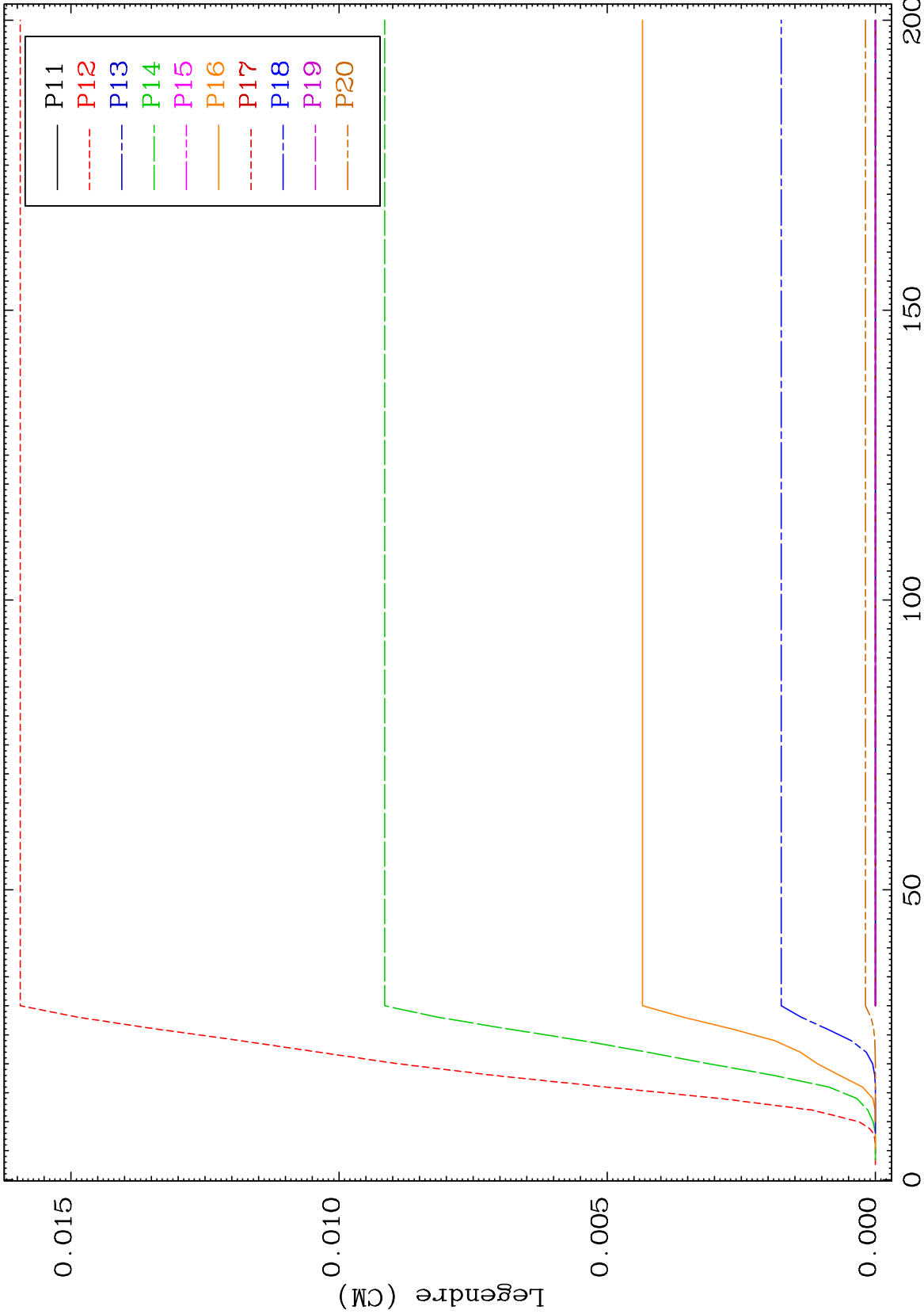
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



28

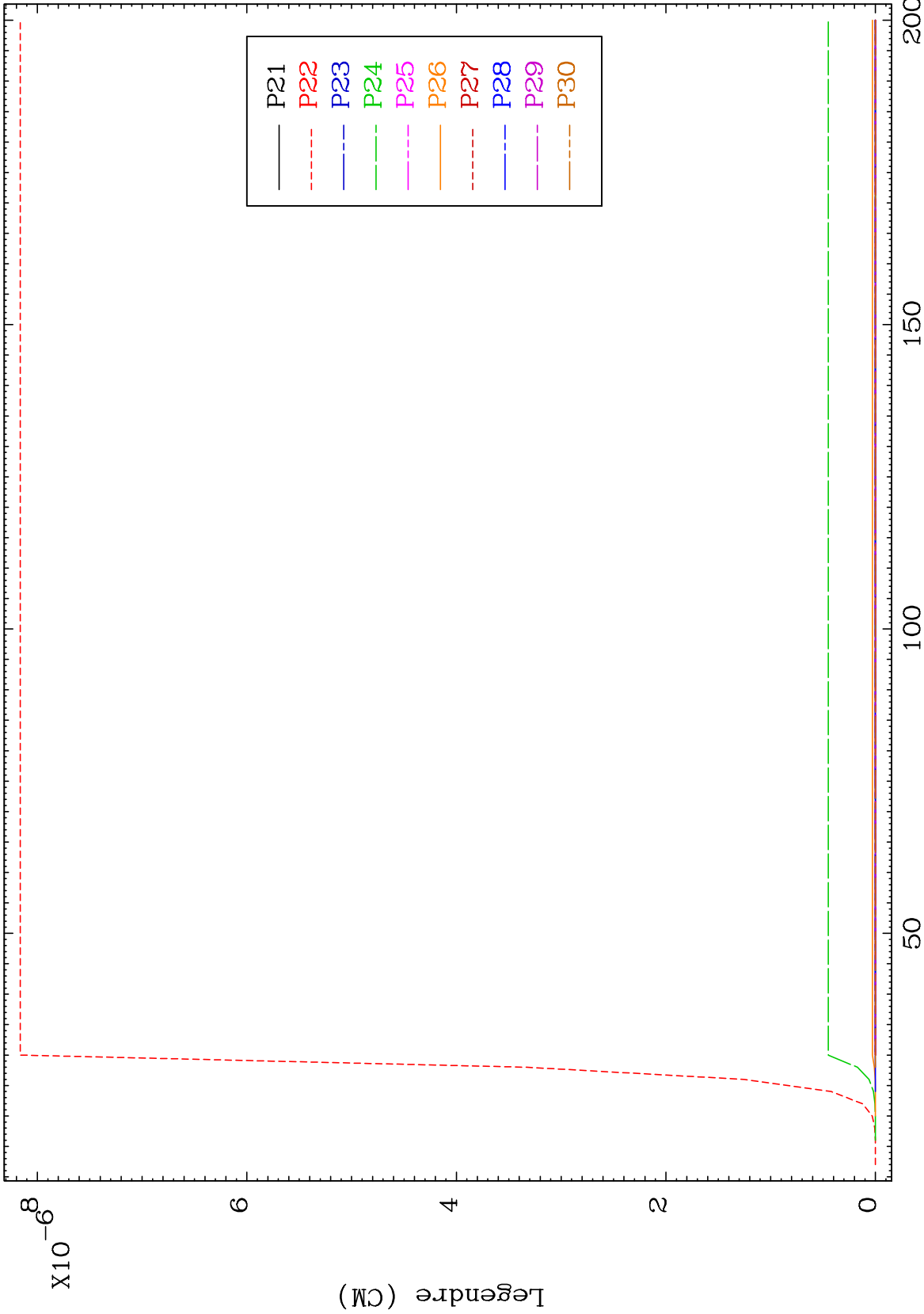
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



29

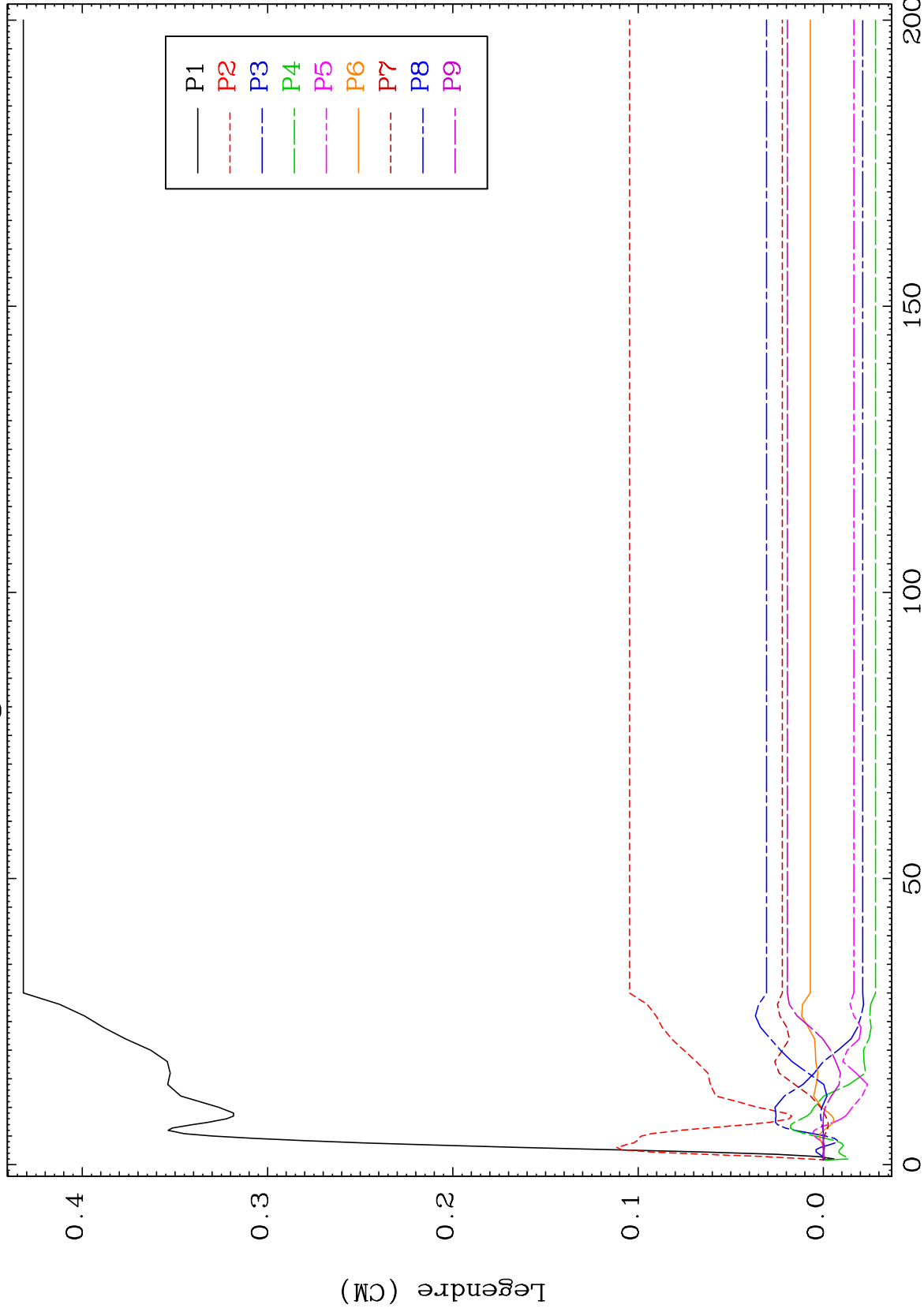
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



30

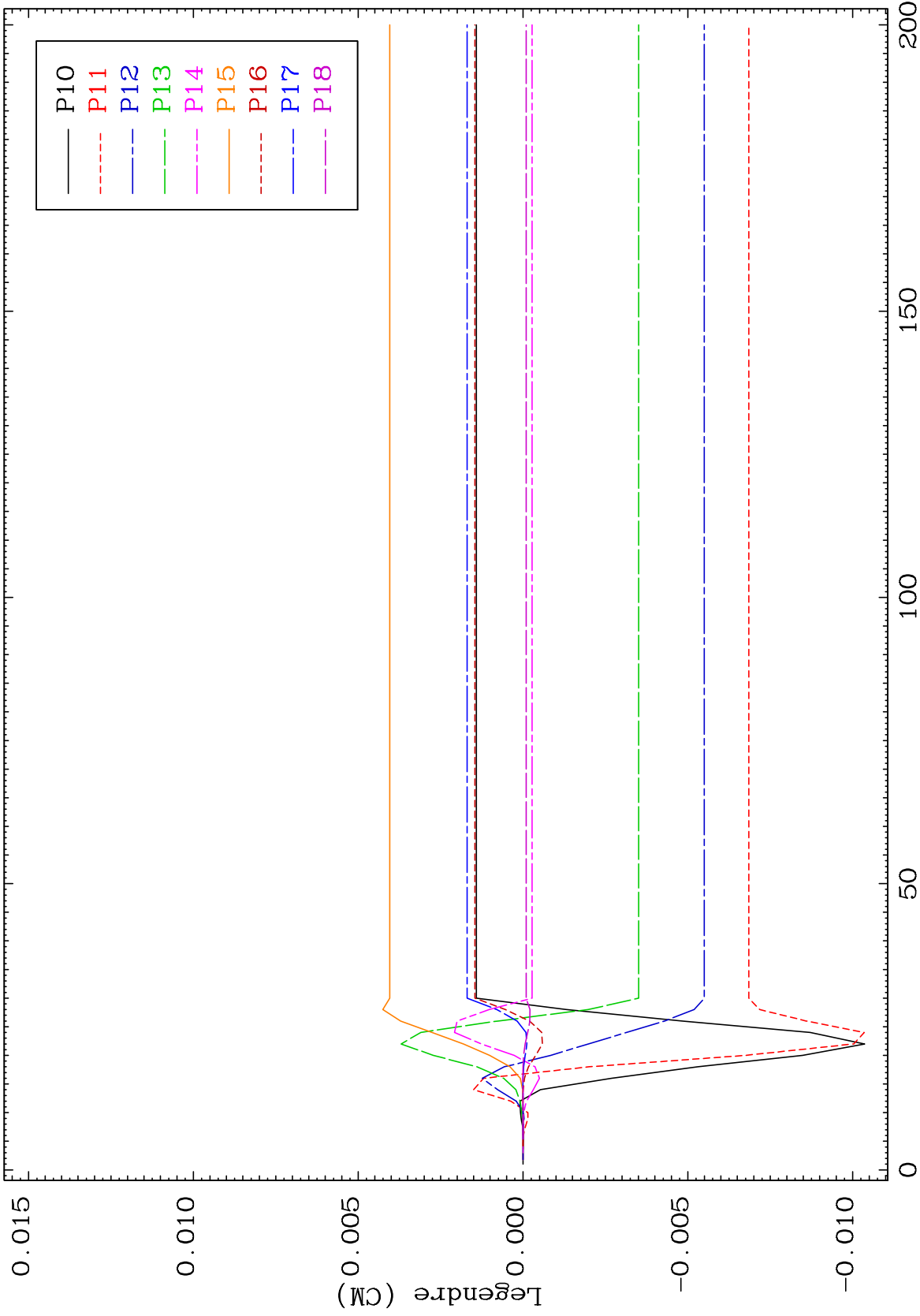
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



31

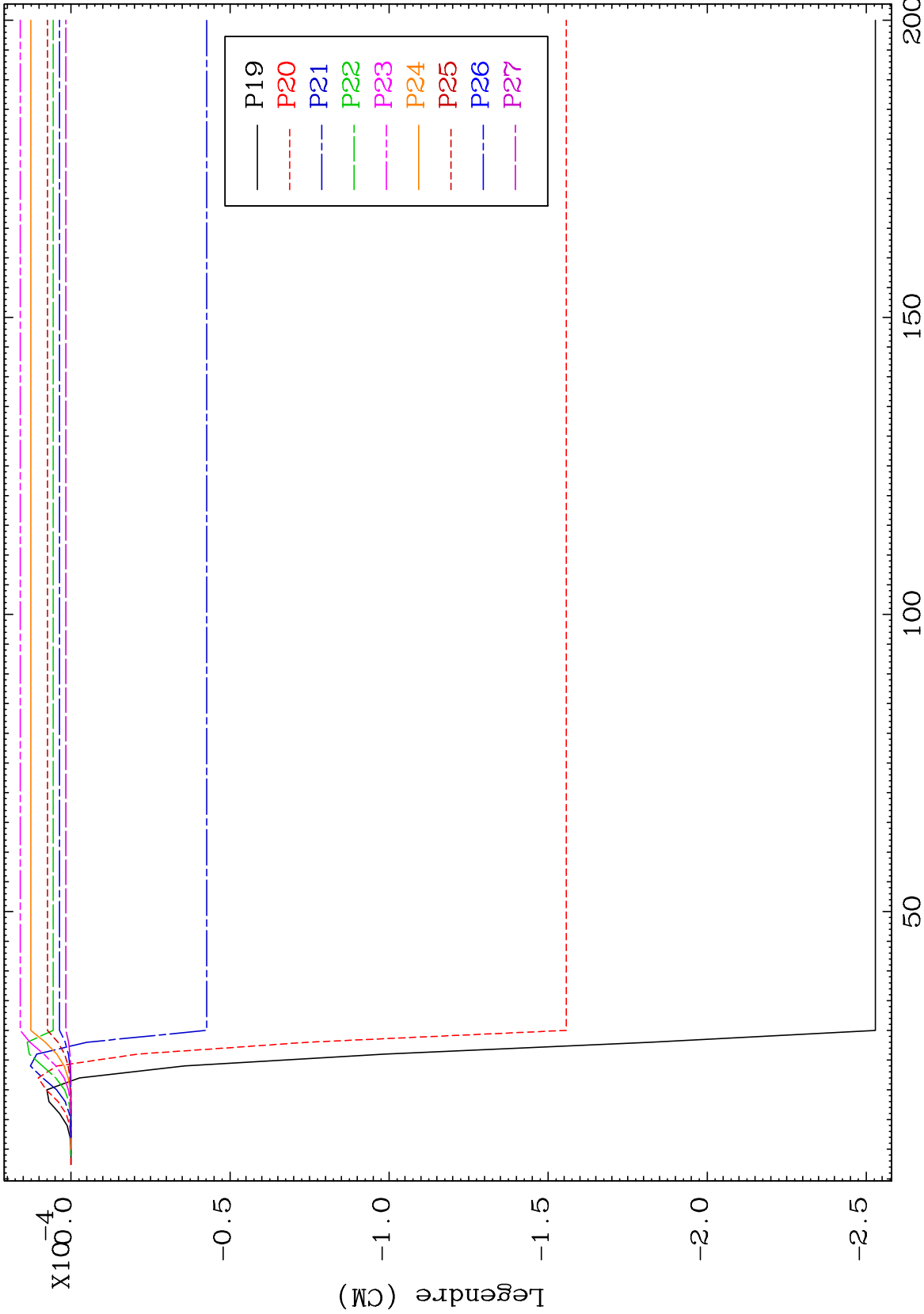
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



32

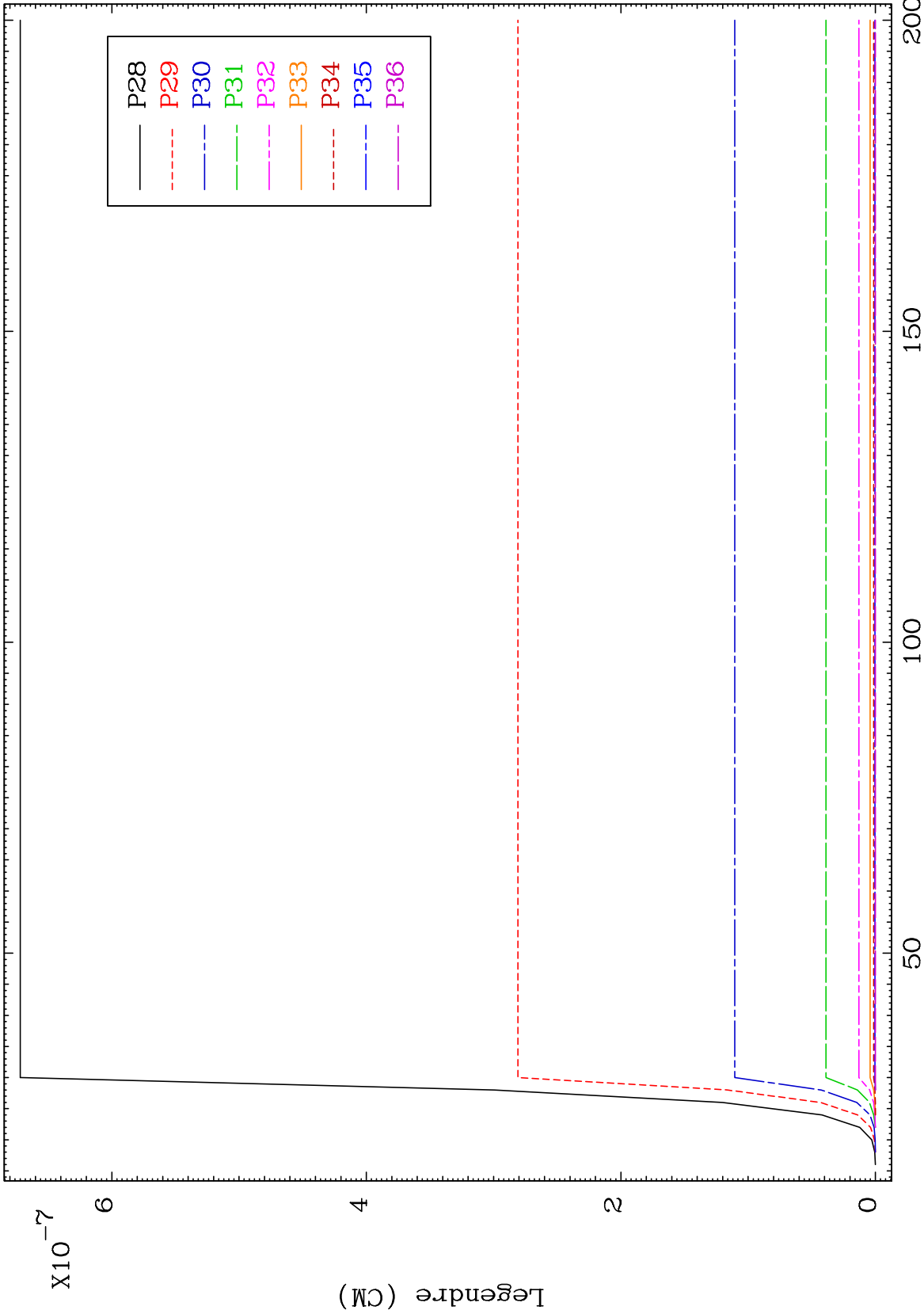
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



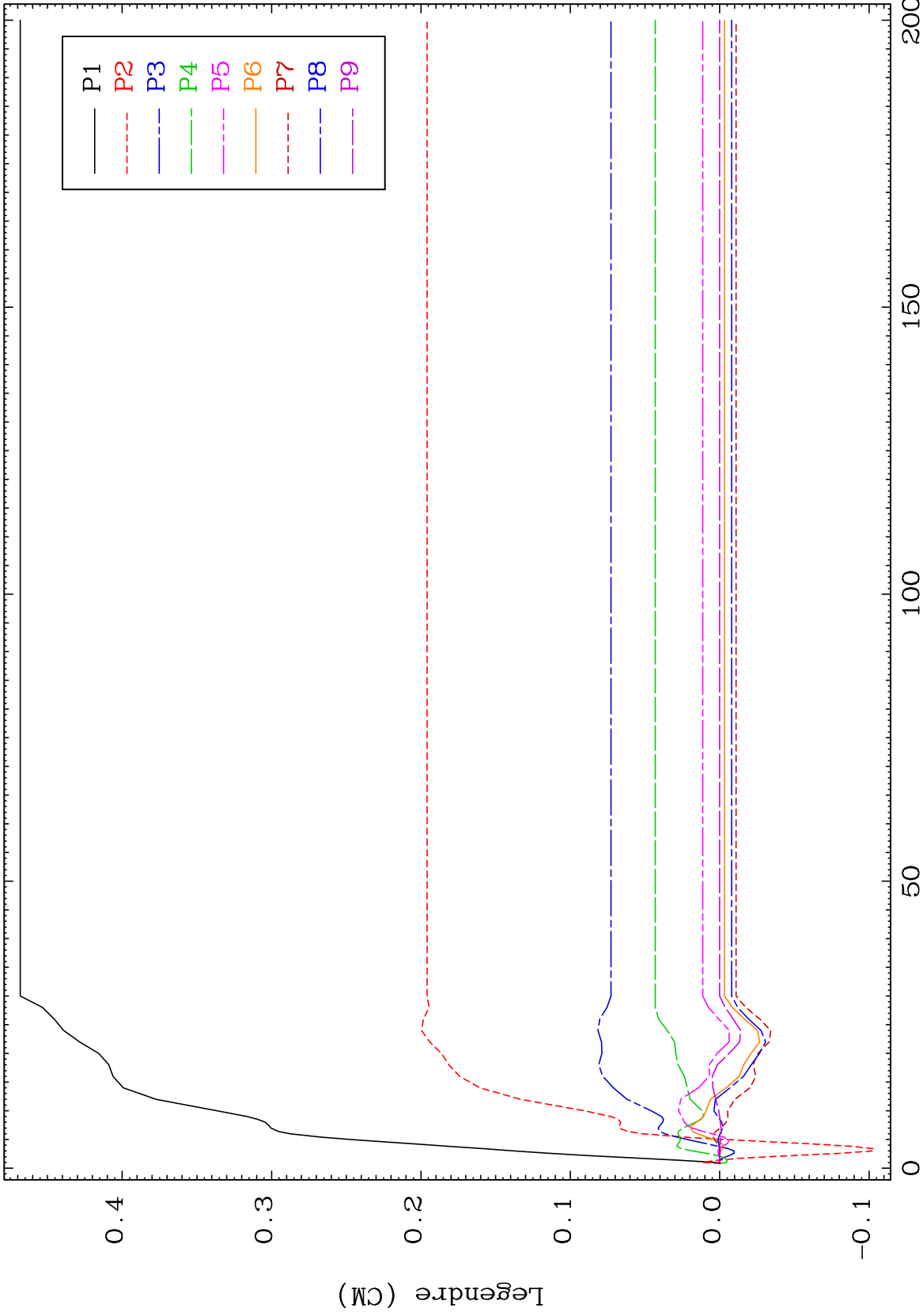
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64-Gd-136

MAT 6377

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

64-Gd-136



34

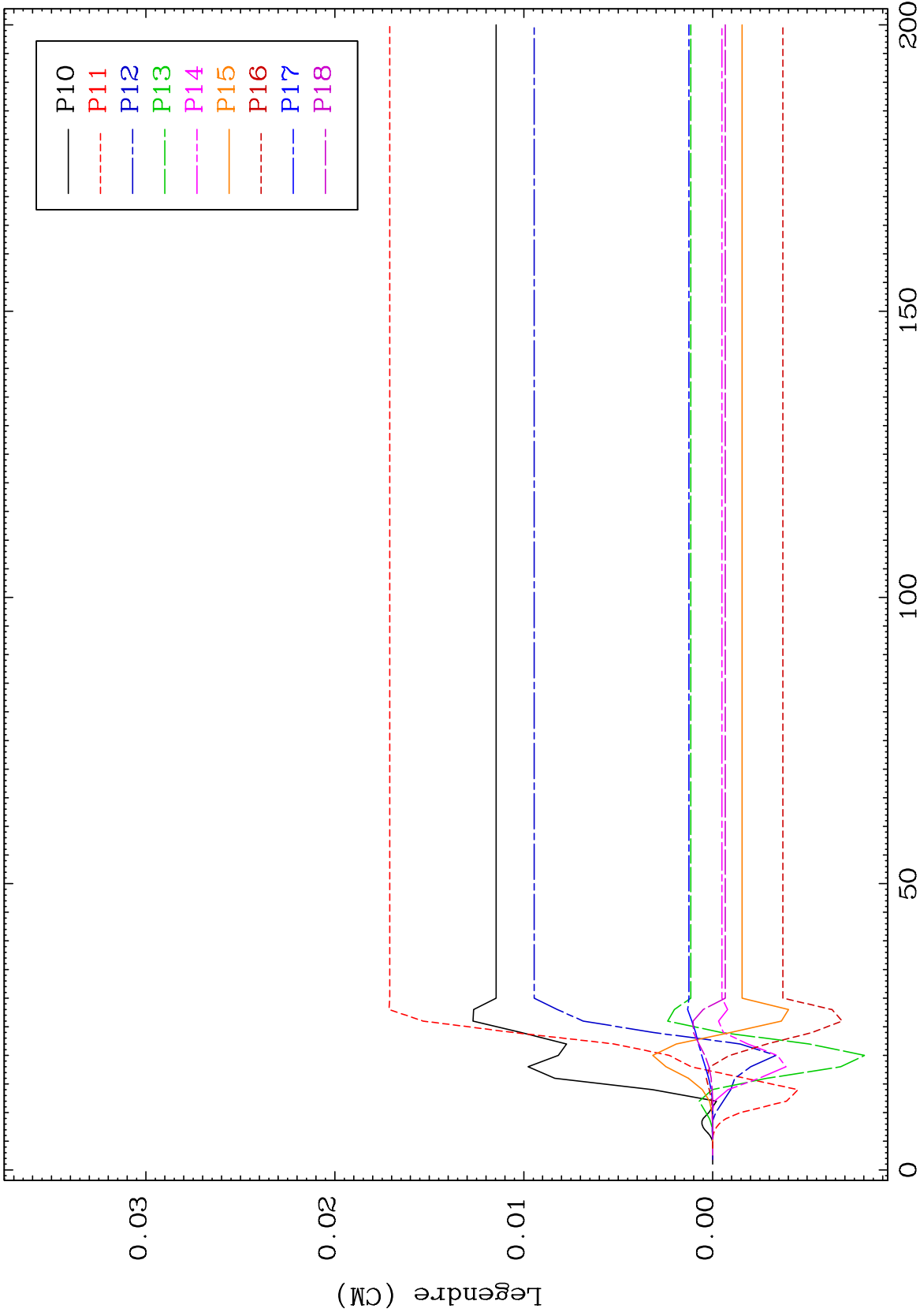
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



35

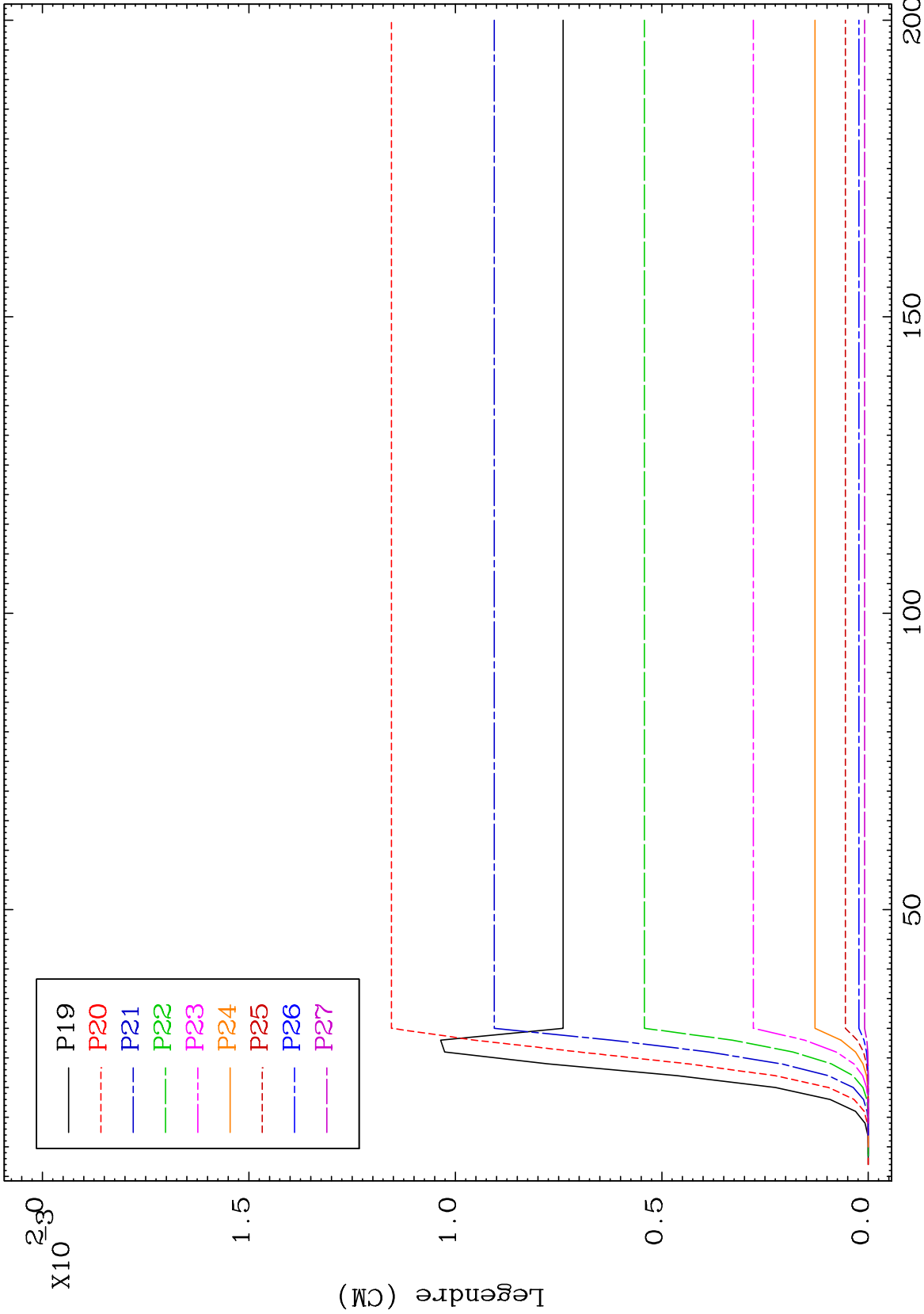
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



36

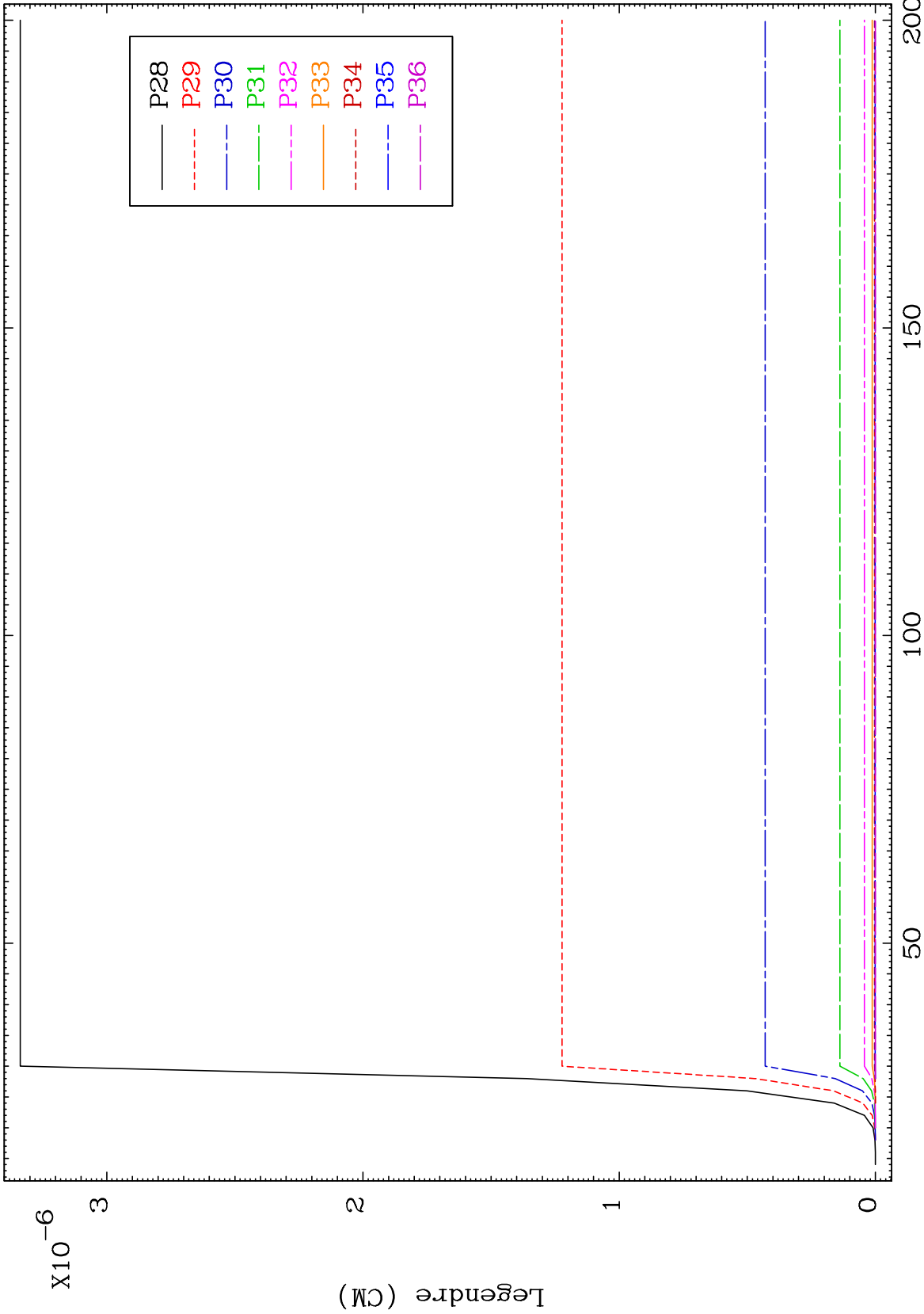
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



37

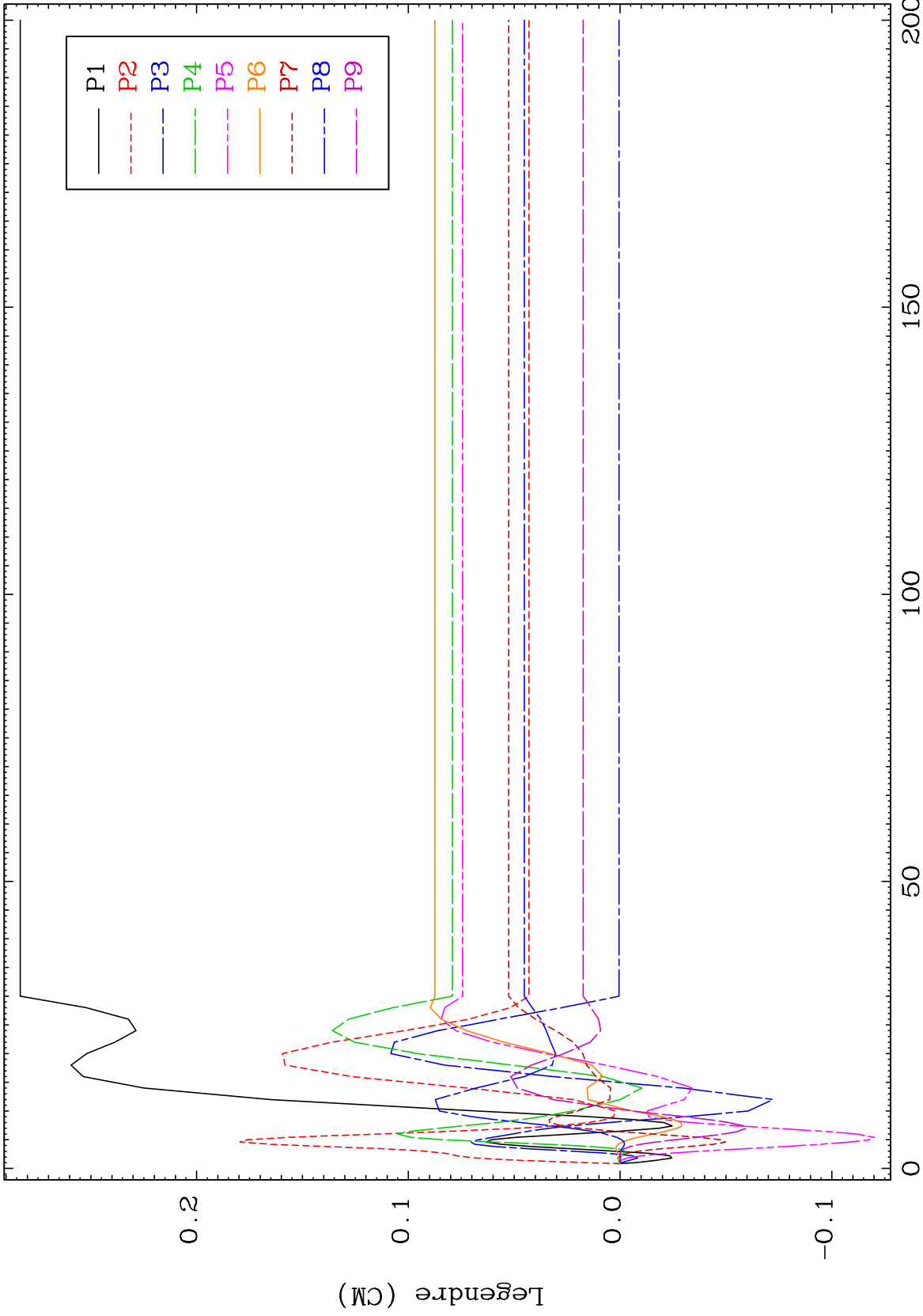
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



38

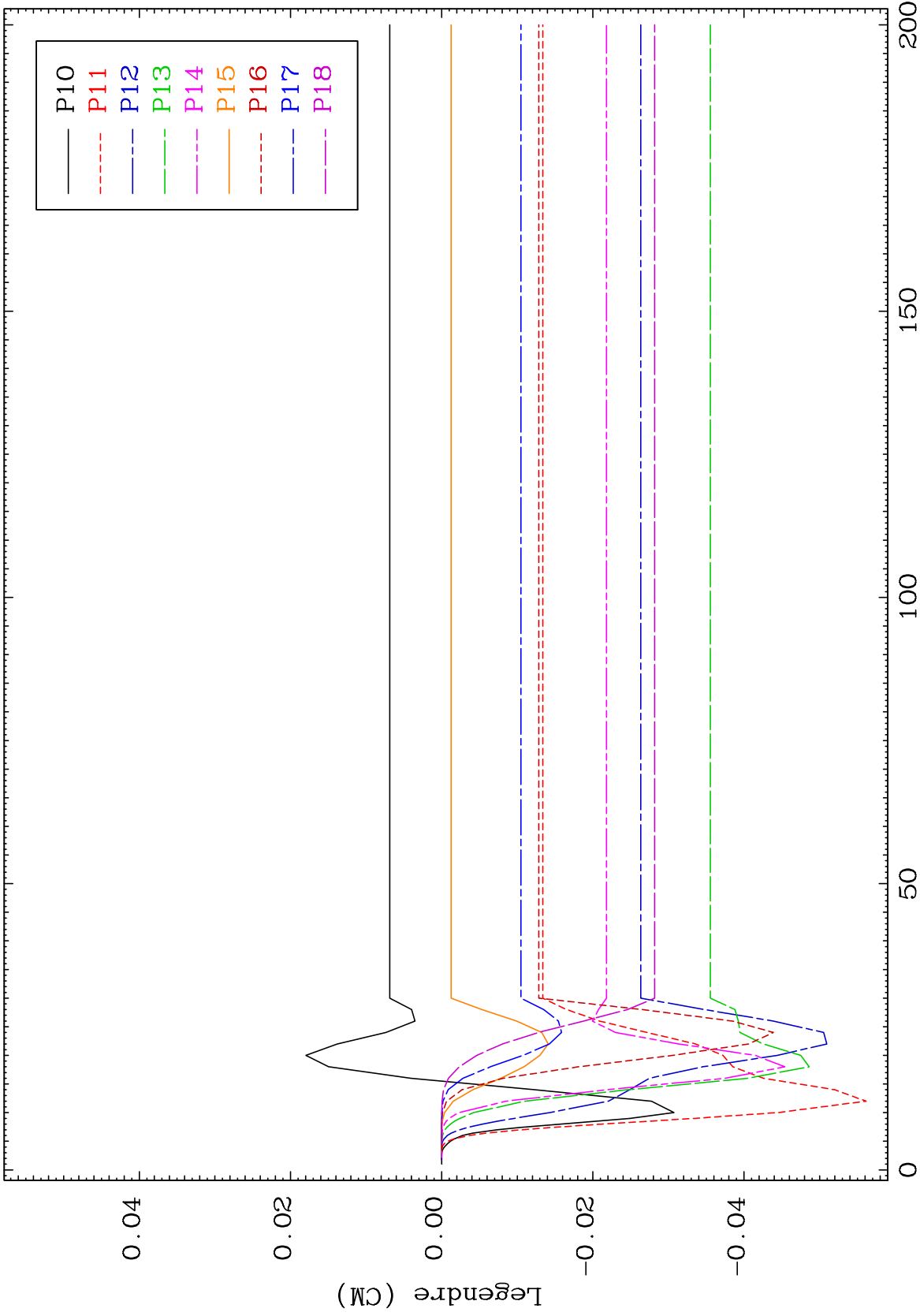
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136

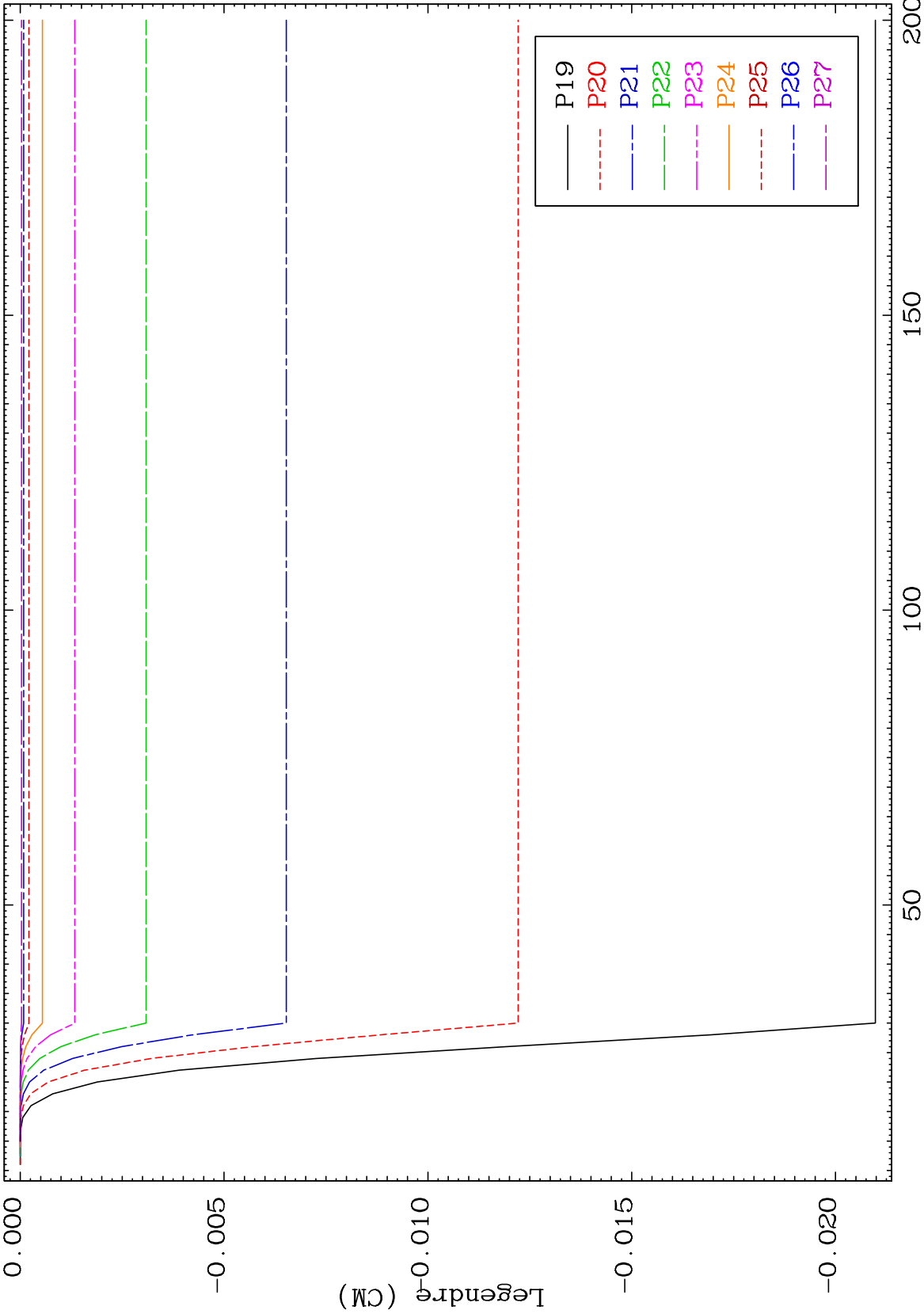


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Incident Energy (MeV)

64-Gd-136

MAT 6377 MT= 56 (n,n') Level Legendre Coefficients 64-Gd-136

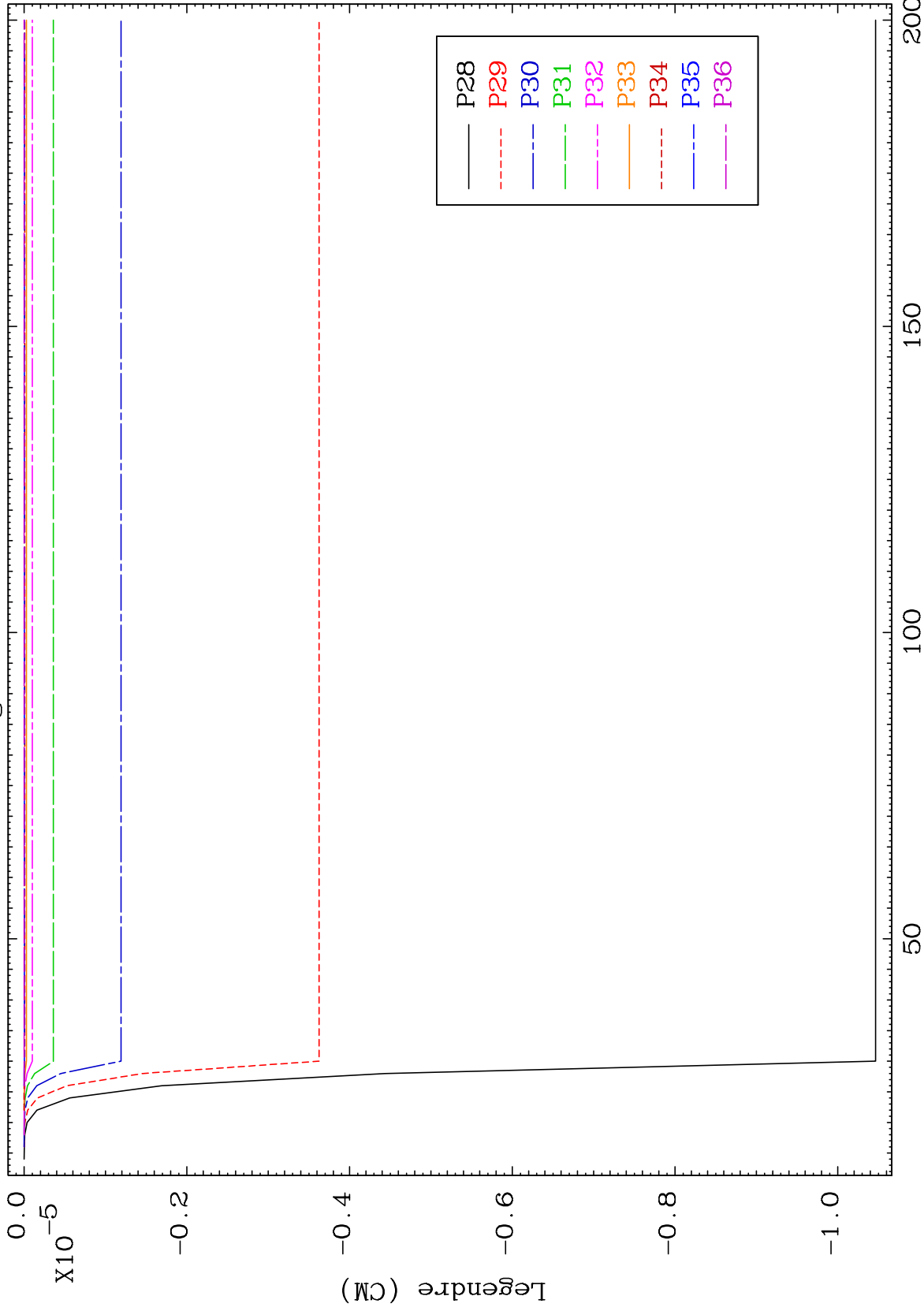


40 Incident Energy (MeV) 64-Gd-136

MAT 6377

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

64-Gd-136



41

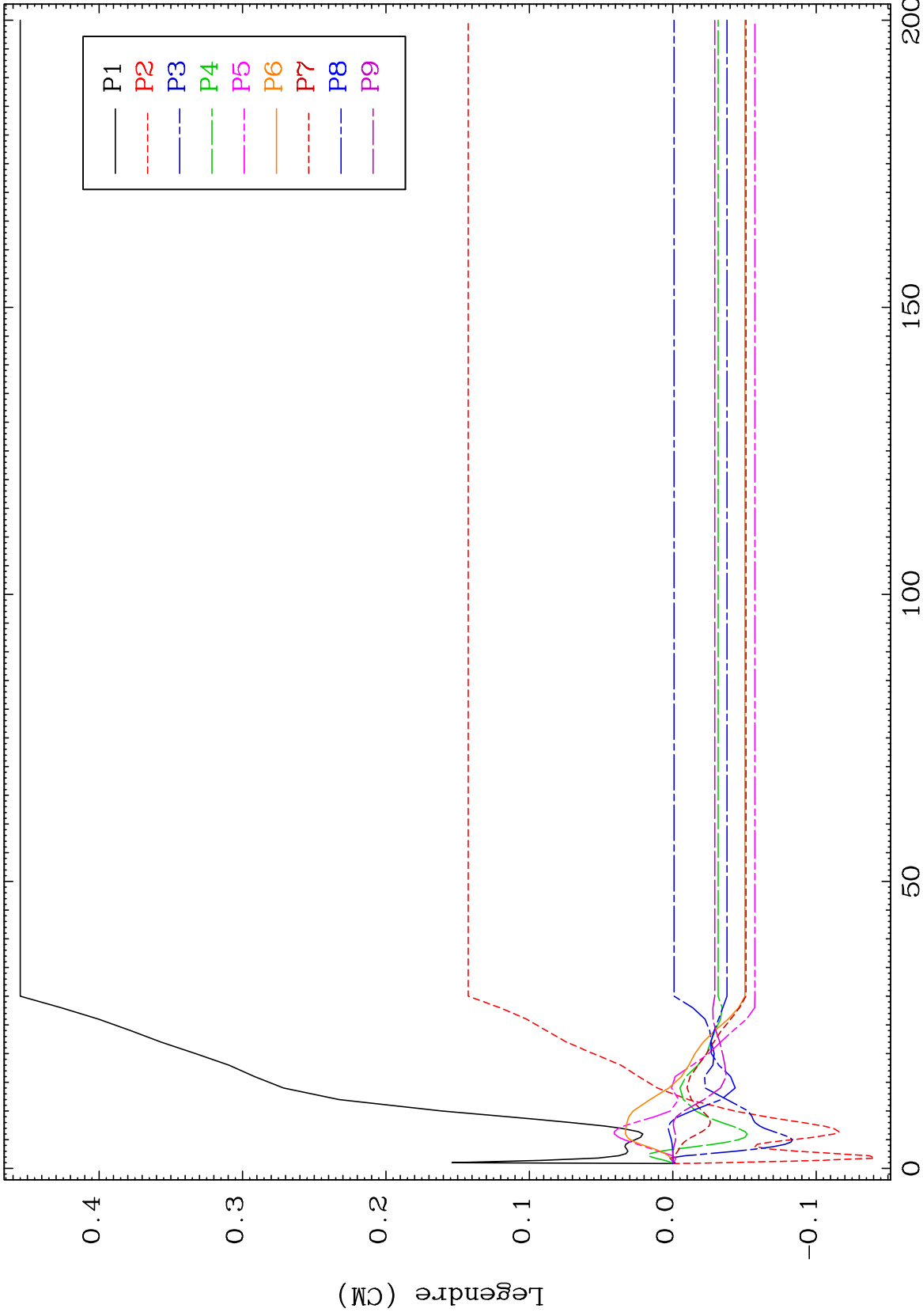
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



42

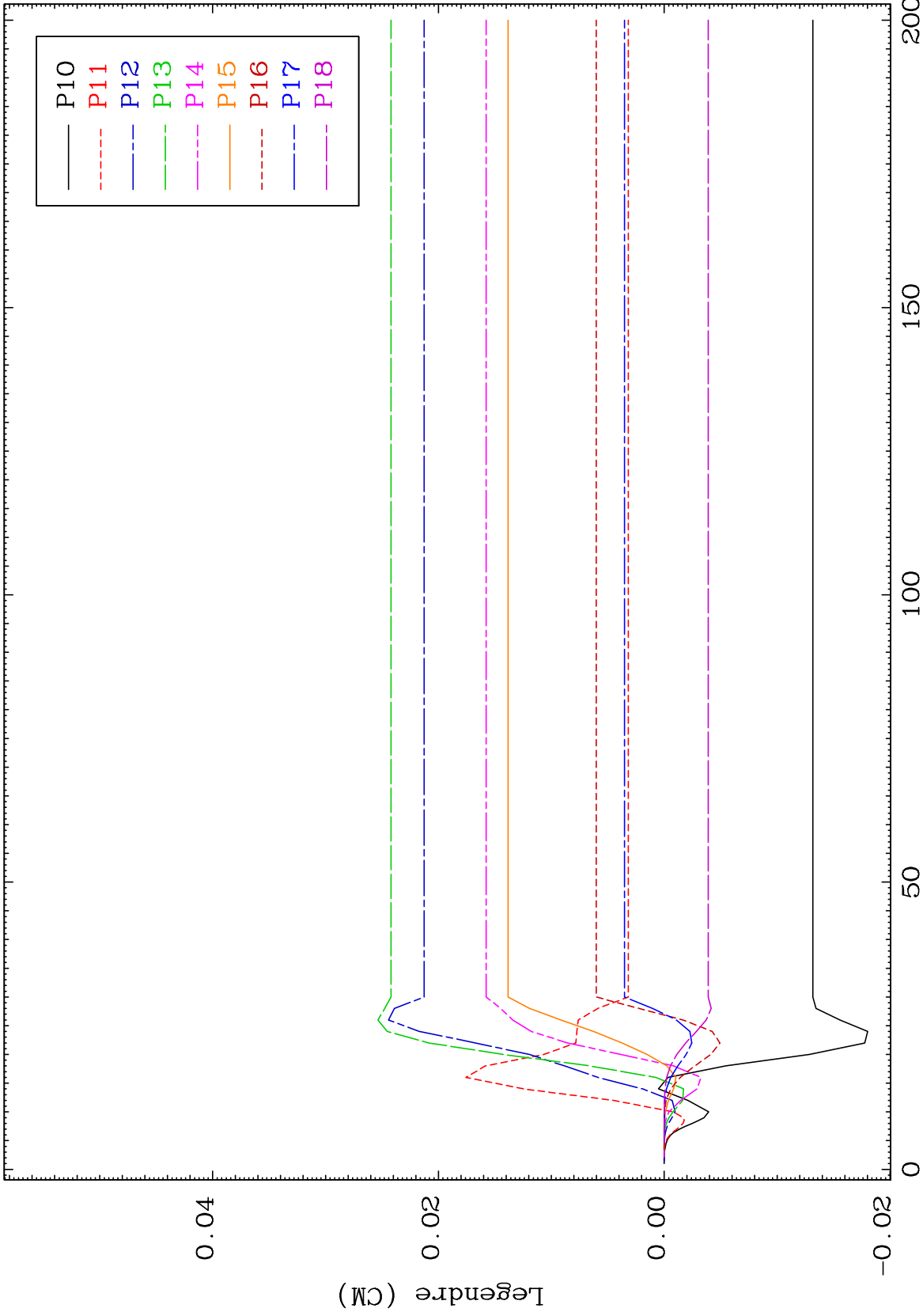
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



43

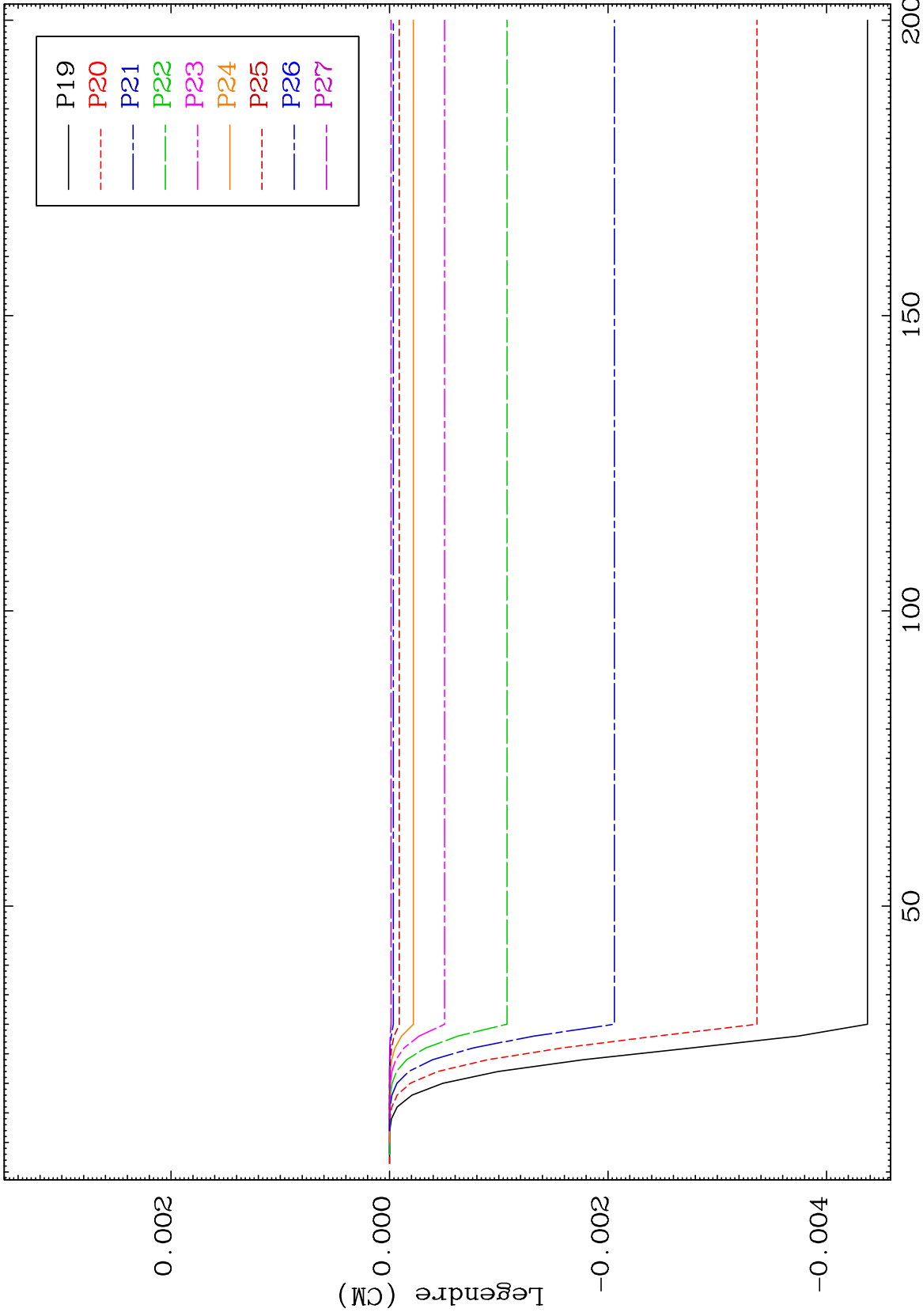
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



44

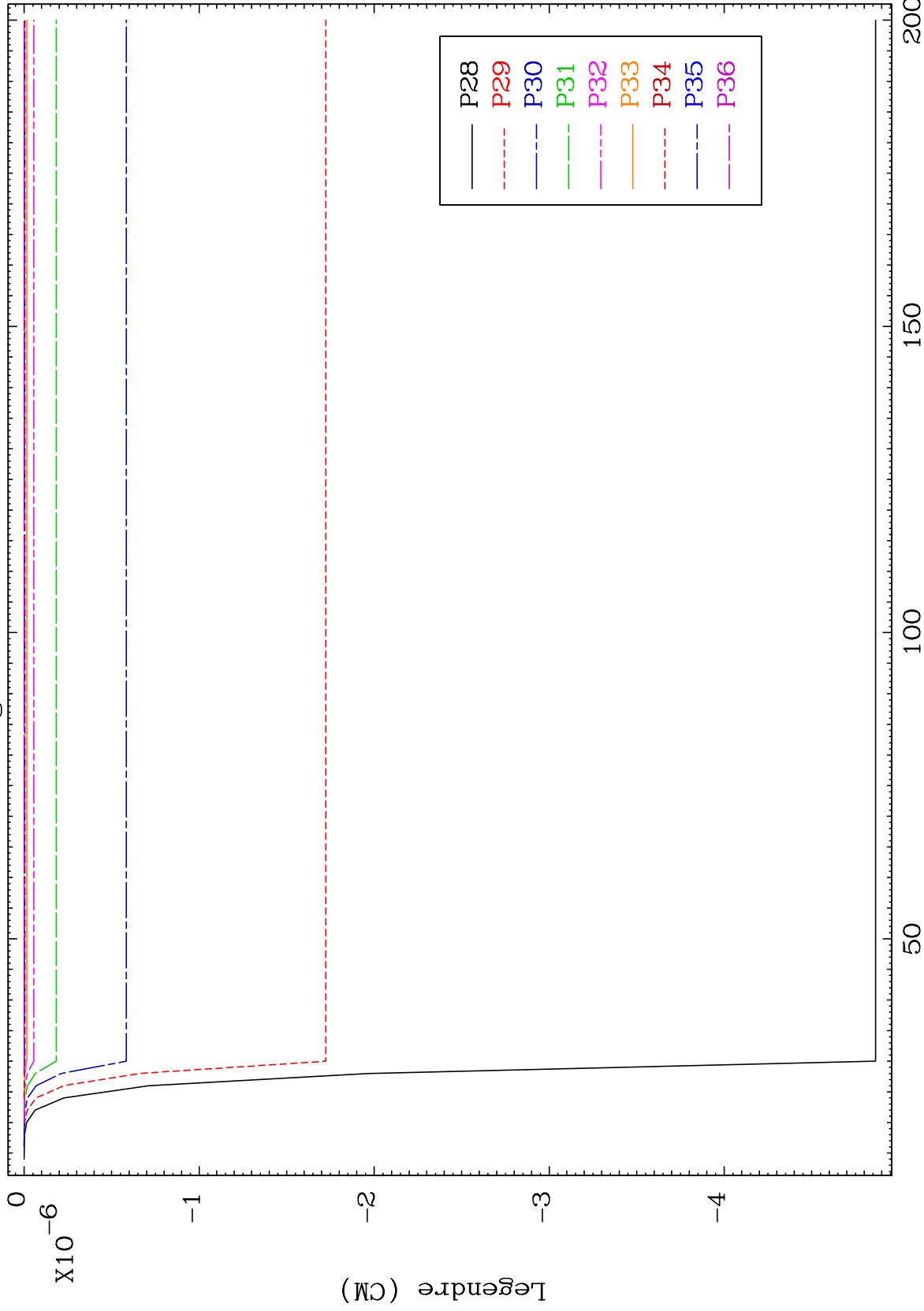
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



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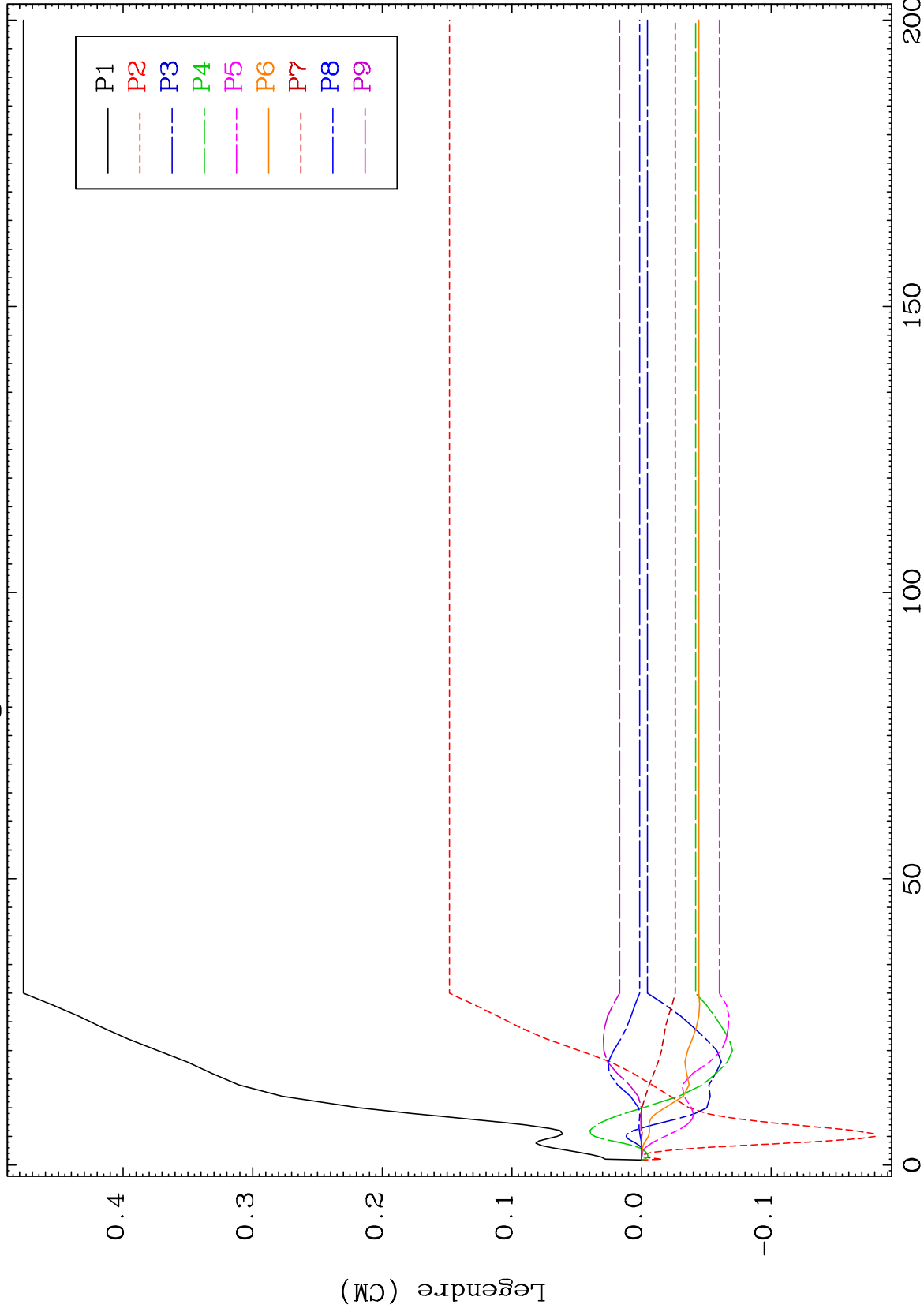
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



46

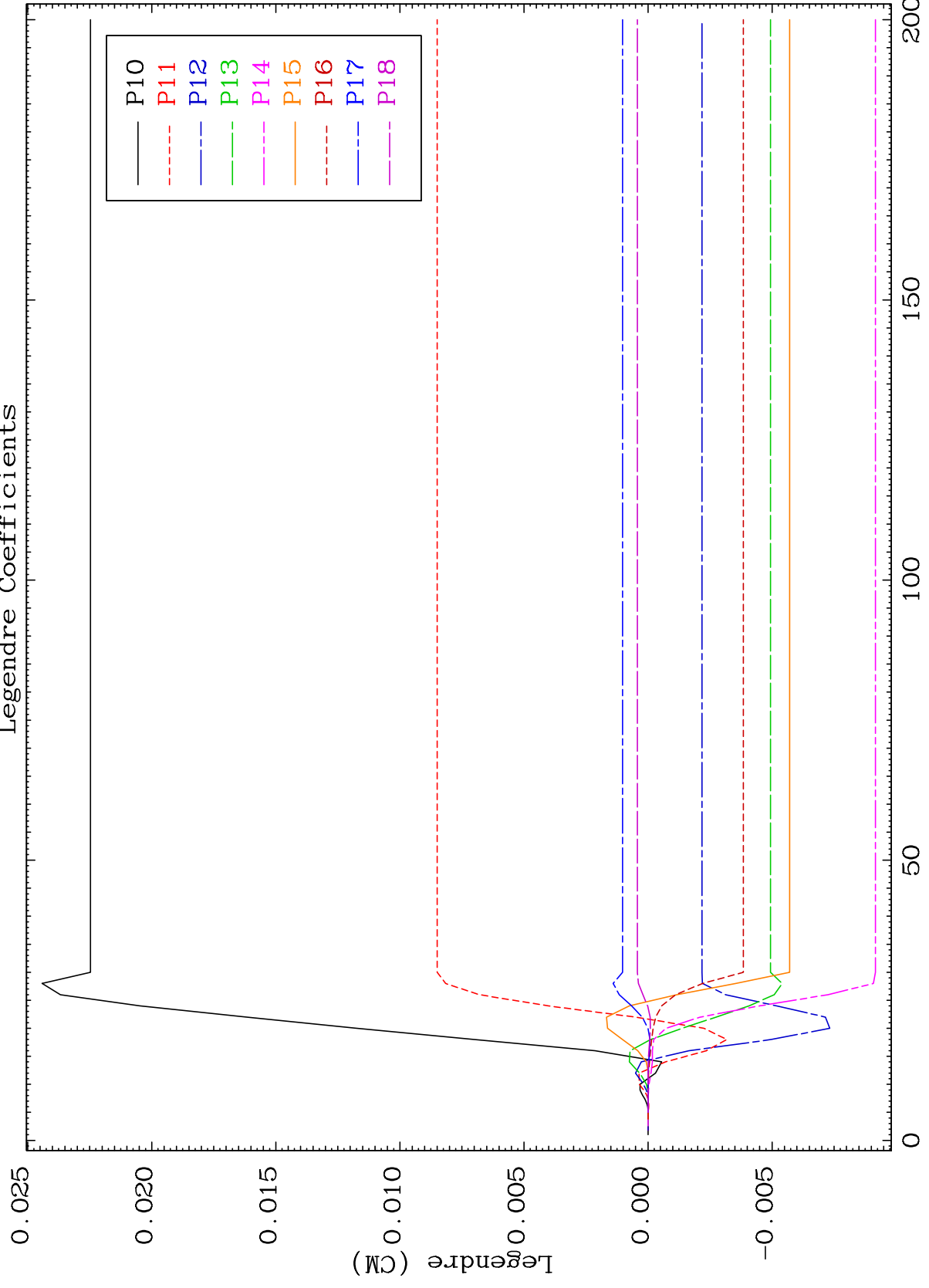
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



47

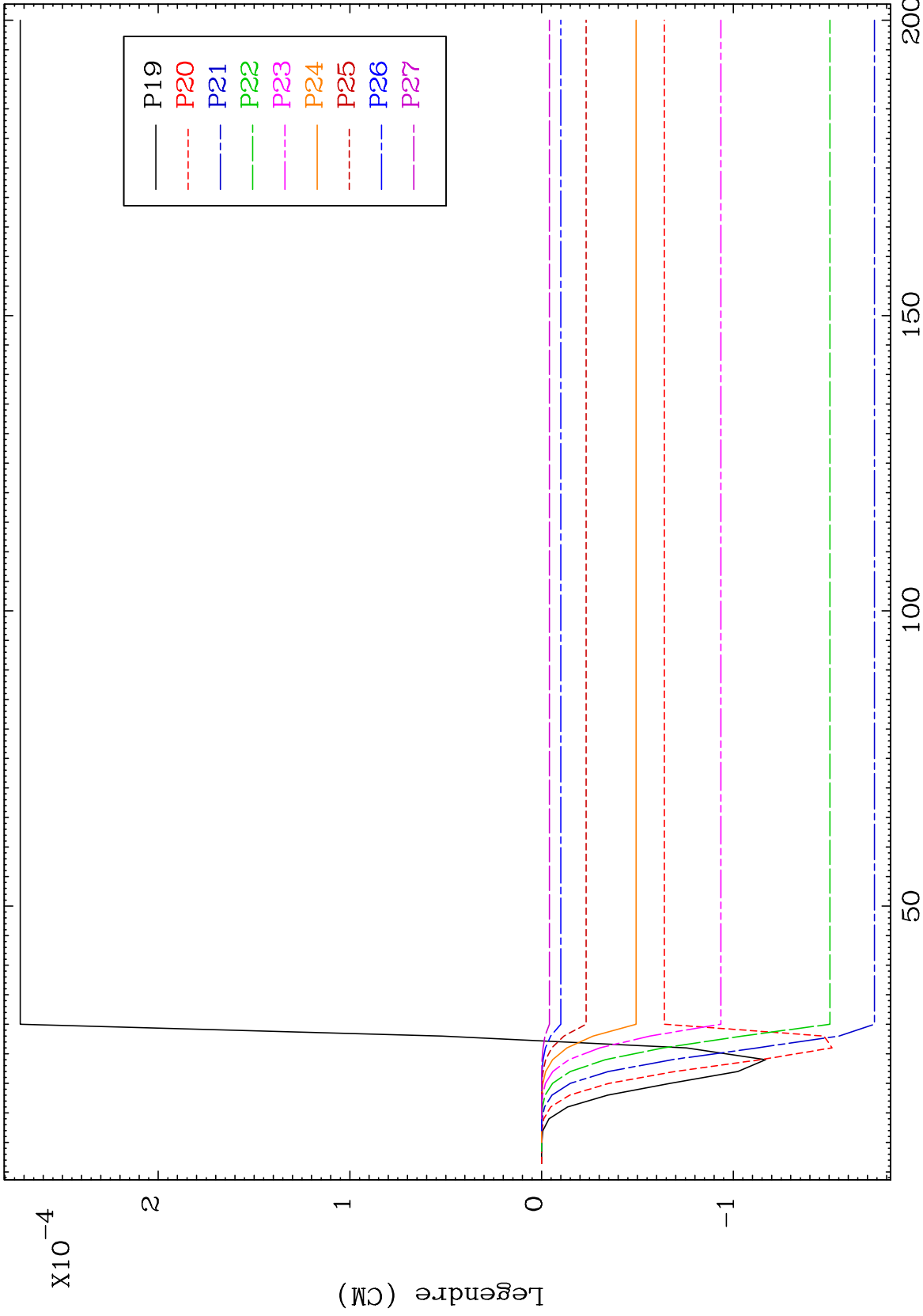
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



48

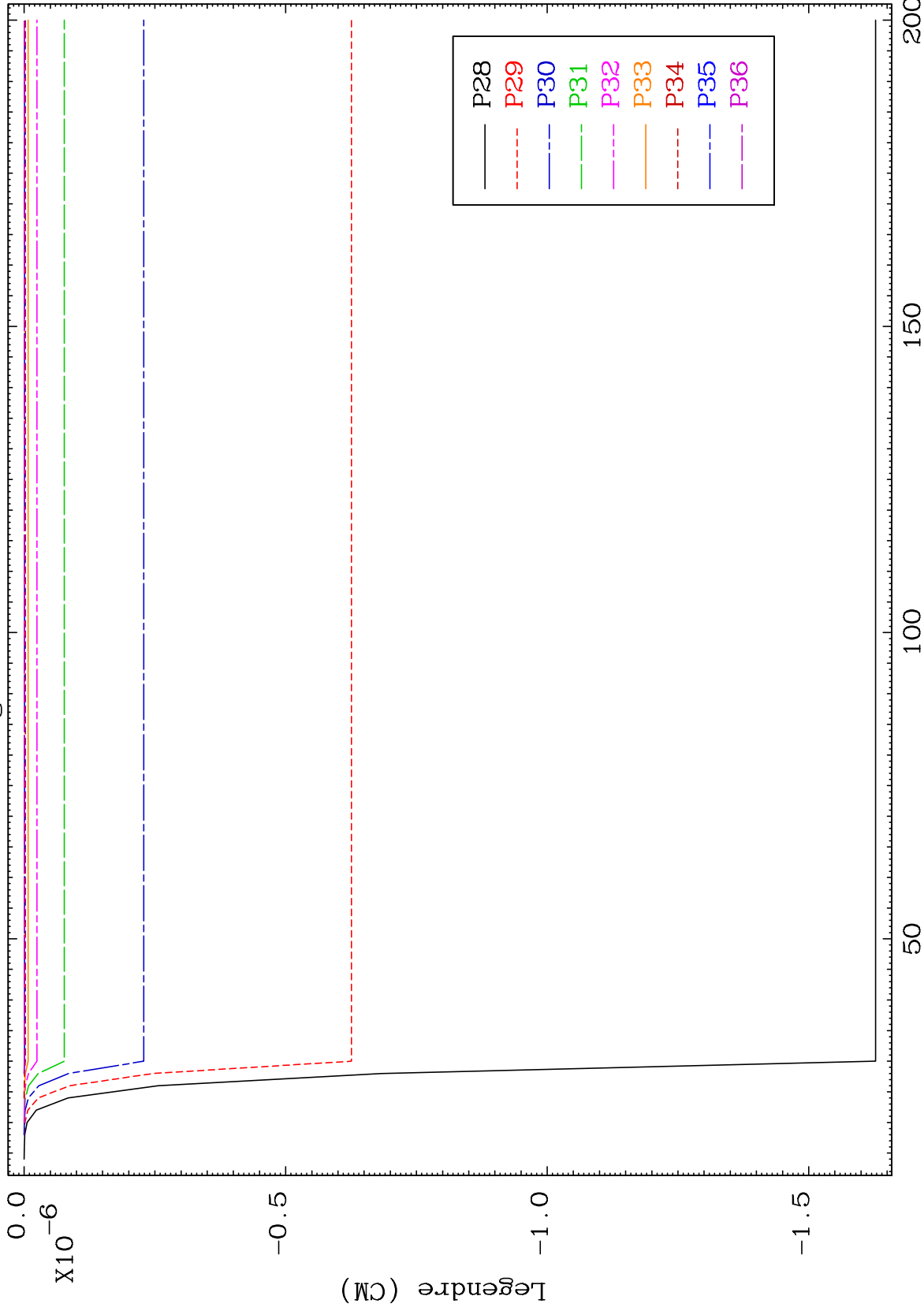
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



64-Gd-136

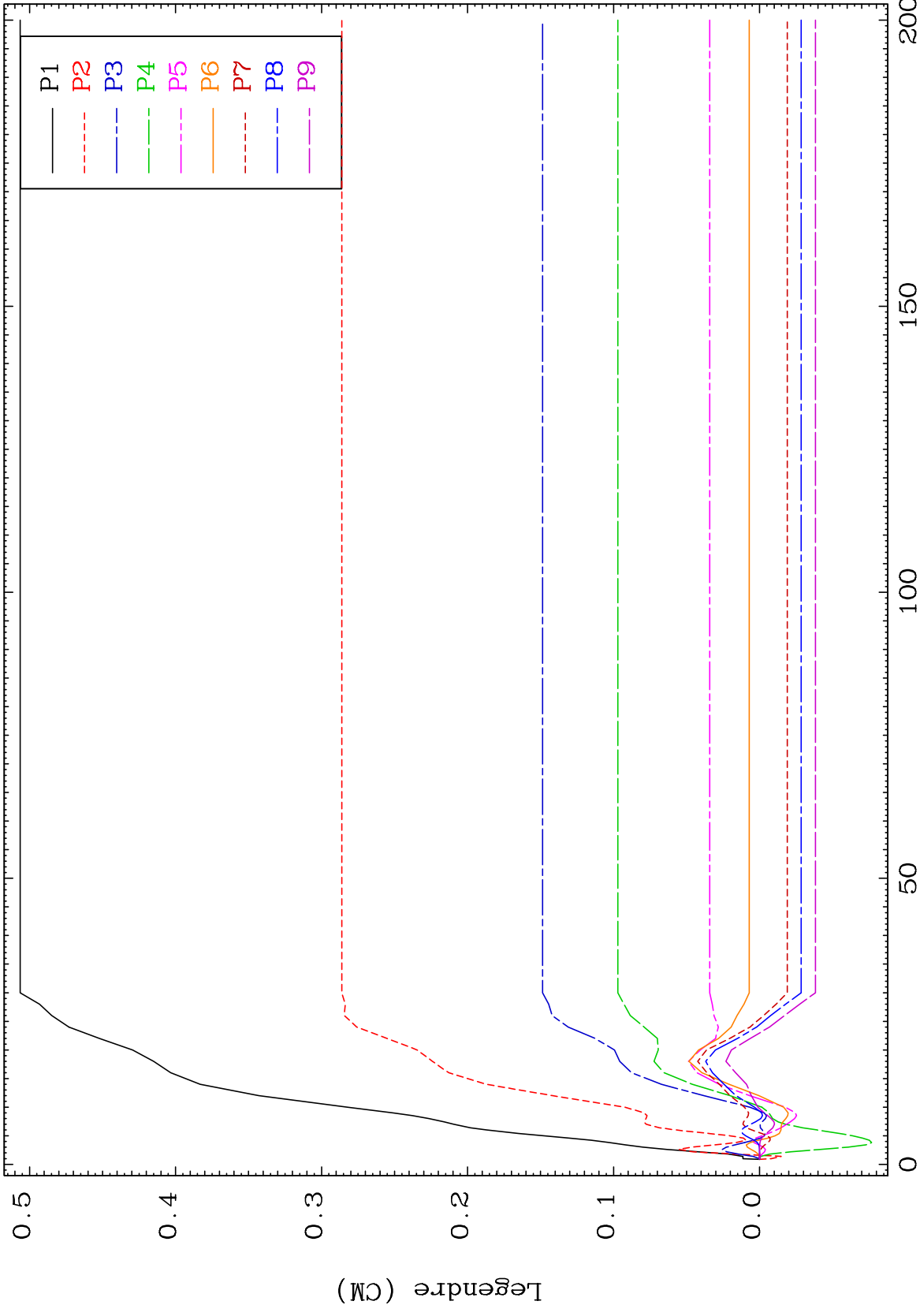
Incident Energy (MeV)

49

MAT 6377

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

64-Gd-136



64-Gd-136

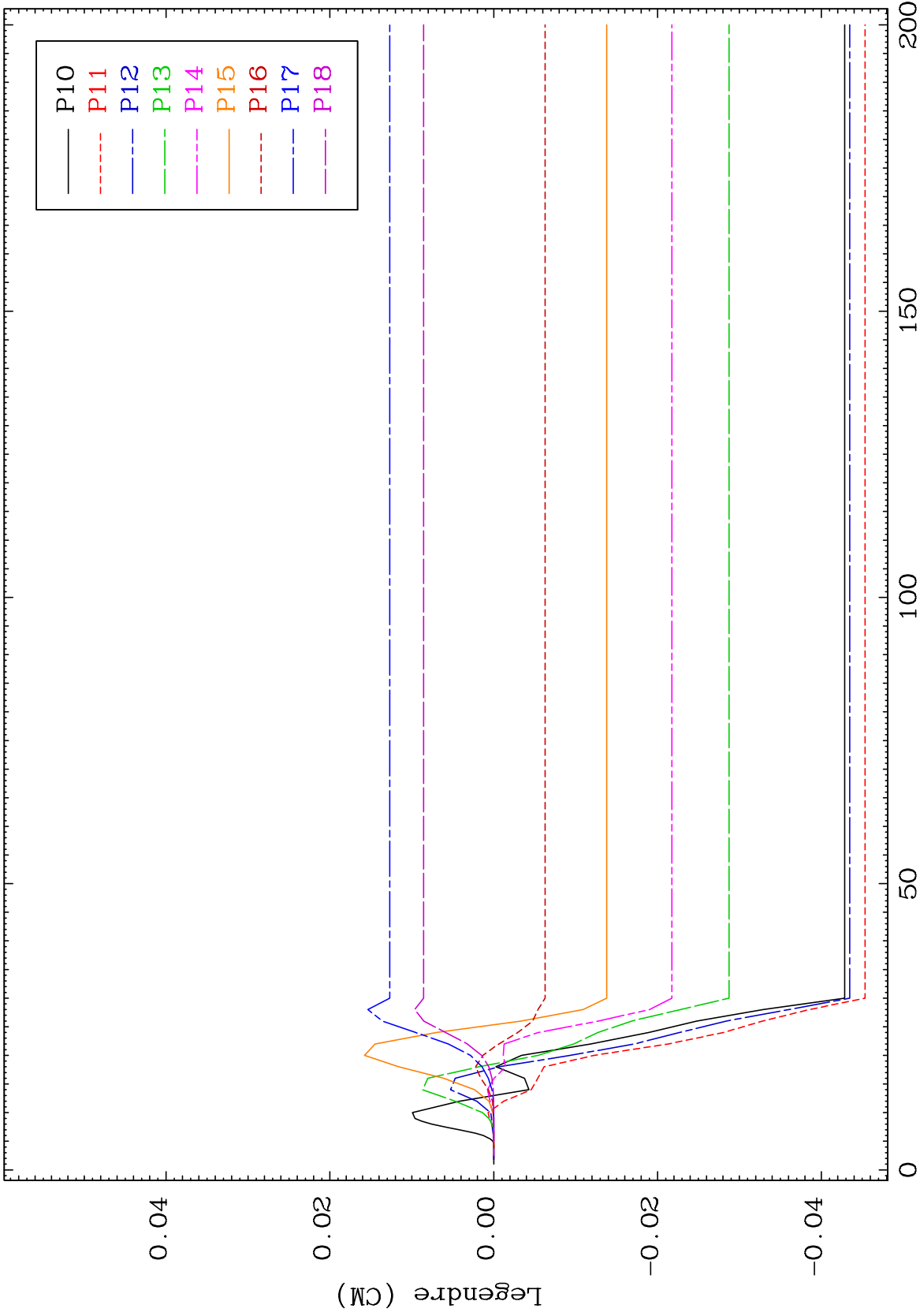
Incident Energy (MeV)

Legendre (CM)

MAT 6377

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

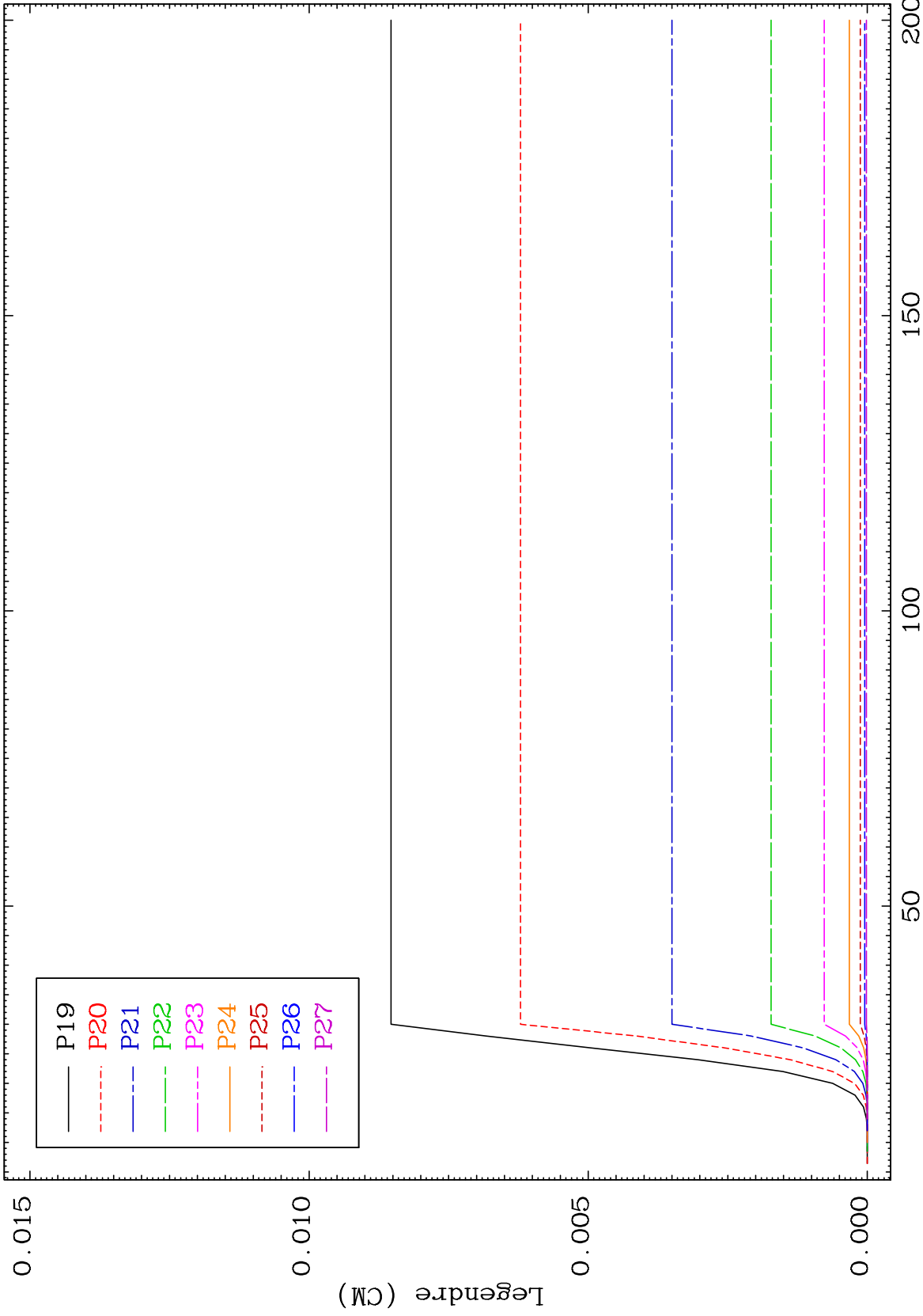
64-Gd-136



51

Incident Energy (MeV)

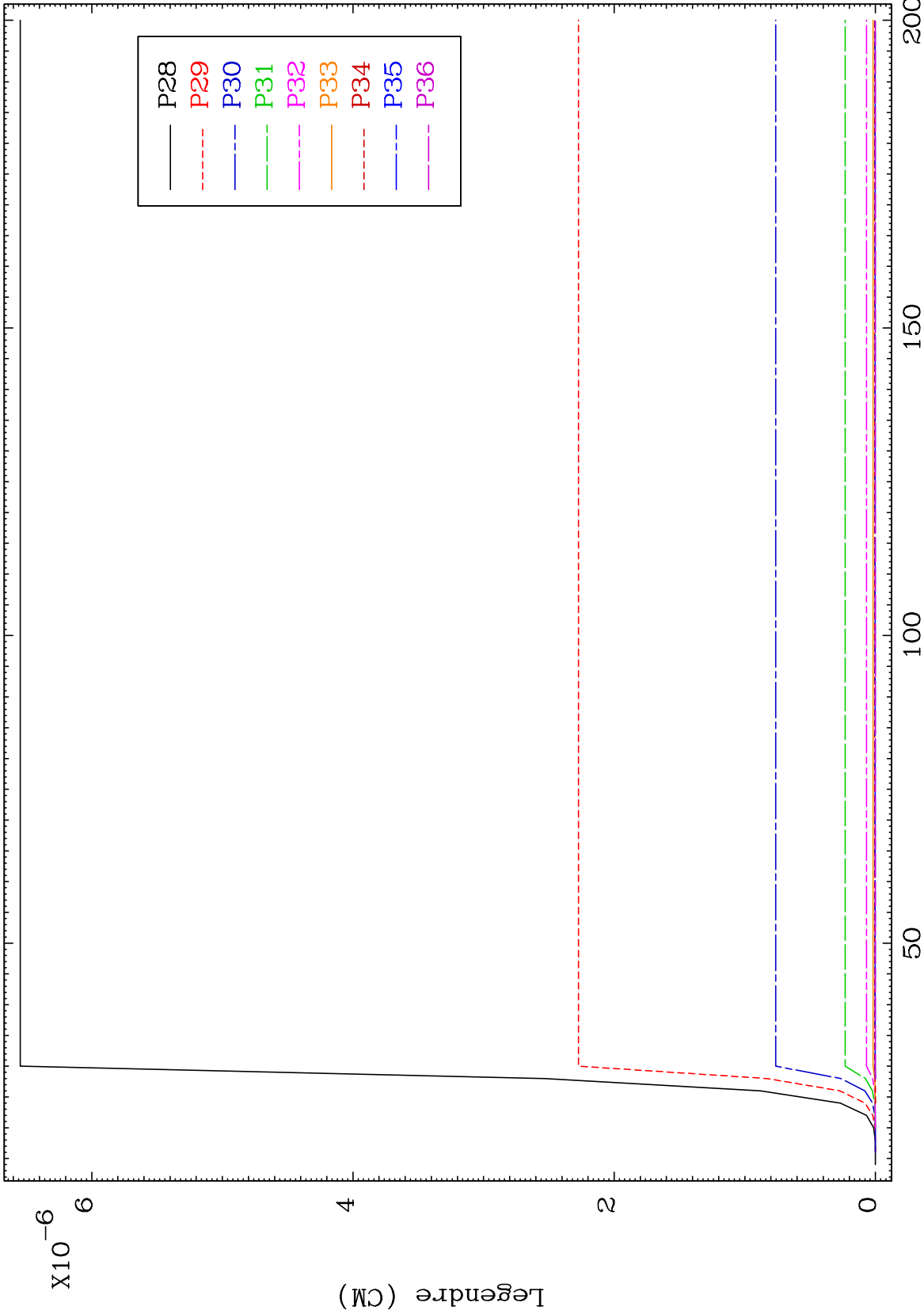
64-Gd-136



MAT 6377

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

64-Gd-136



53

Incident Energy (MeV)

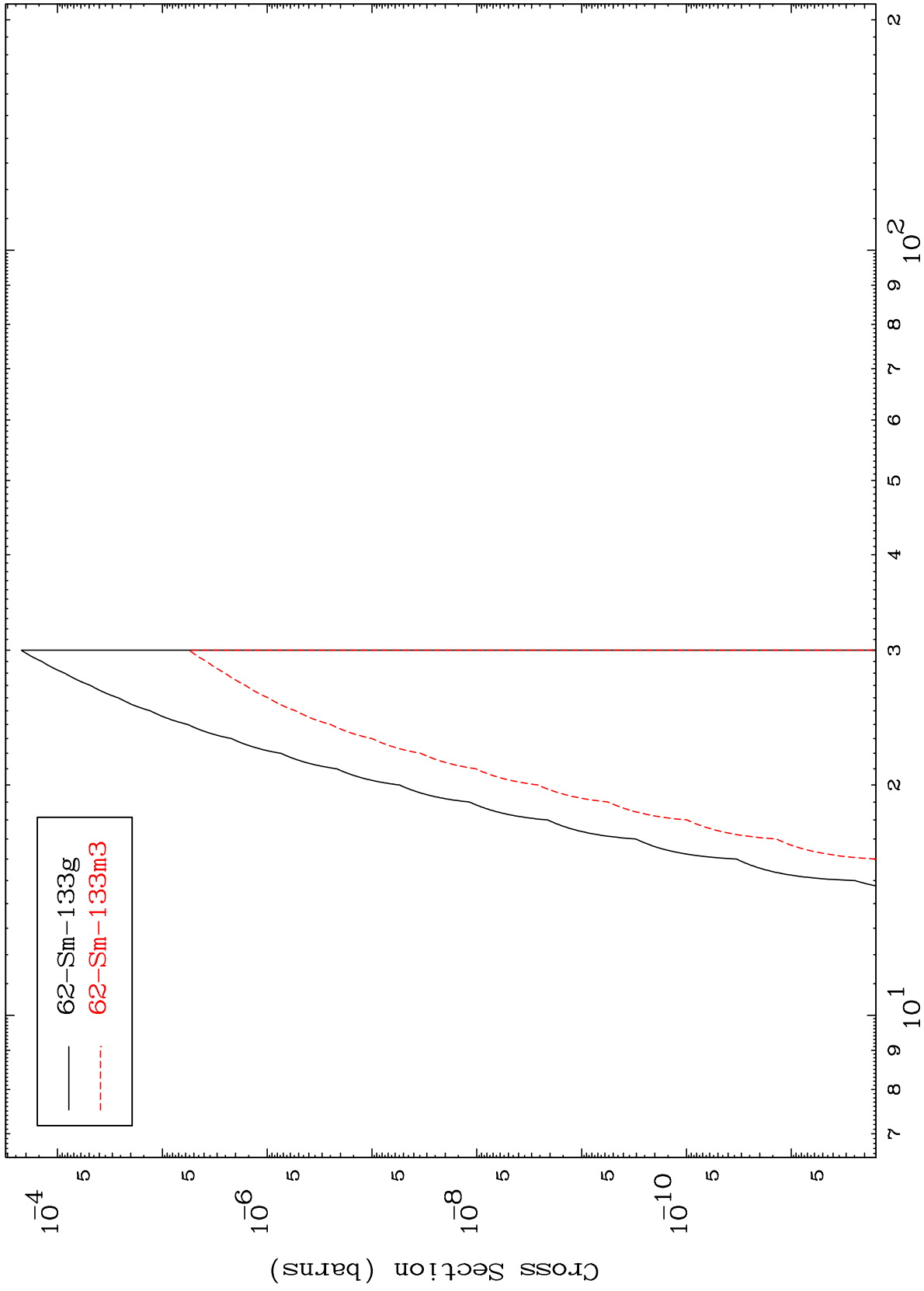
64-Gd-136

MAT 6377

(n, n') He-3

64-Gd-136

Radionuclide Production Cross Section



54

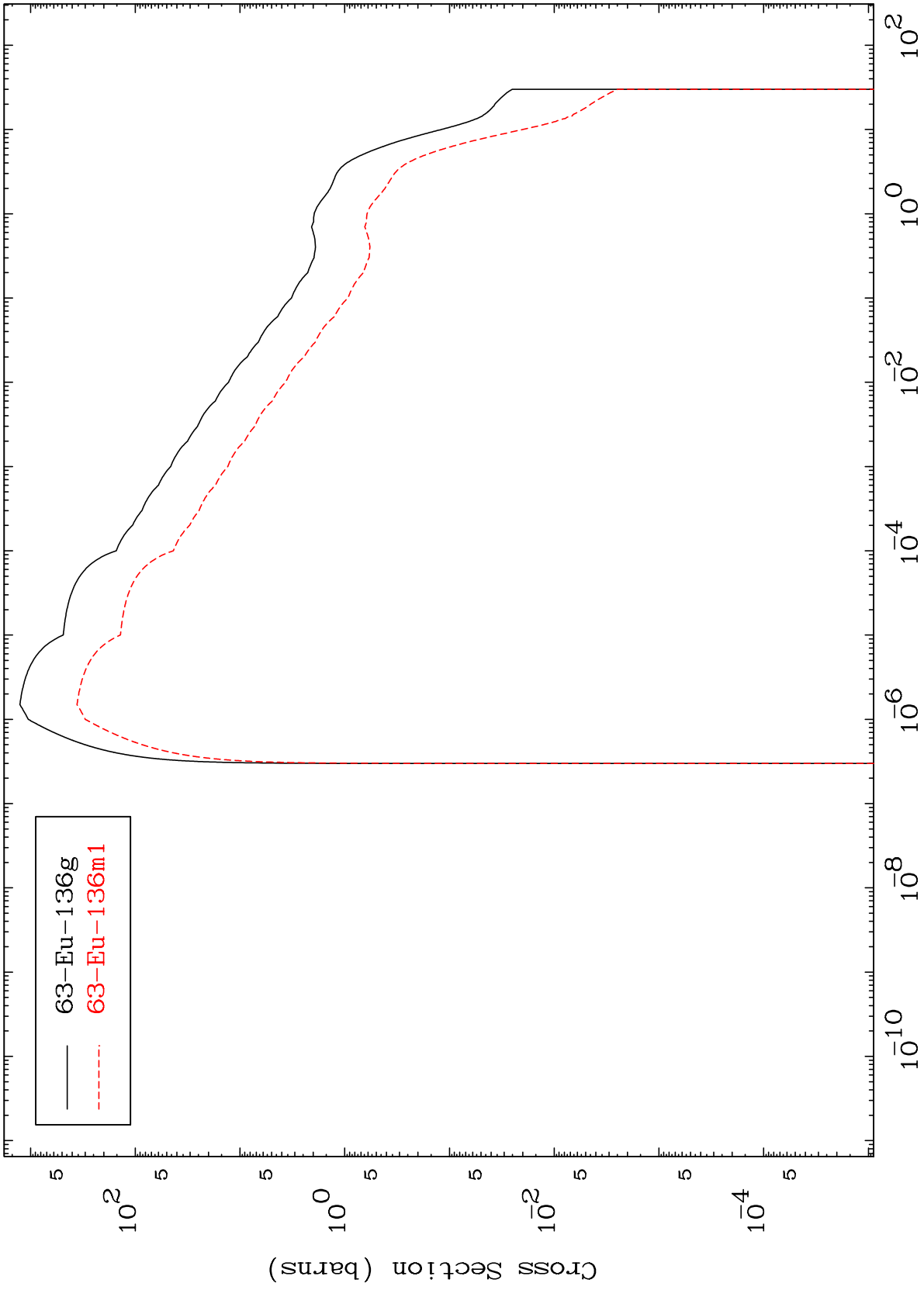
Incident Energy (MeV)

64-Gd-136

MAT 6377

64-Gd-136

Radionuclide Production Cross Section (n,p)



63-Eu-136g  
63-Eu-136m1

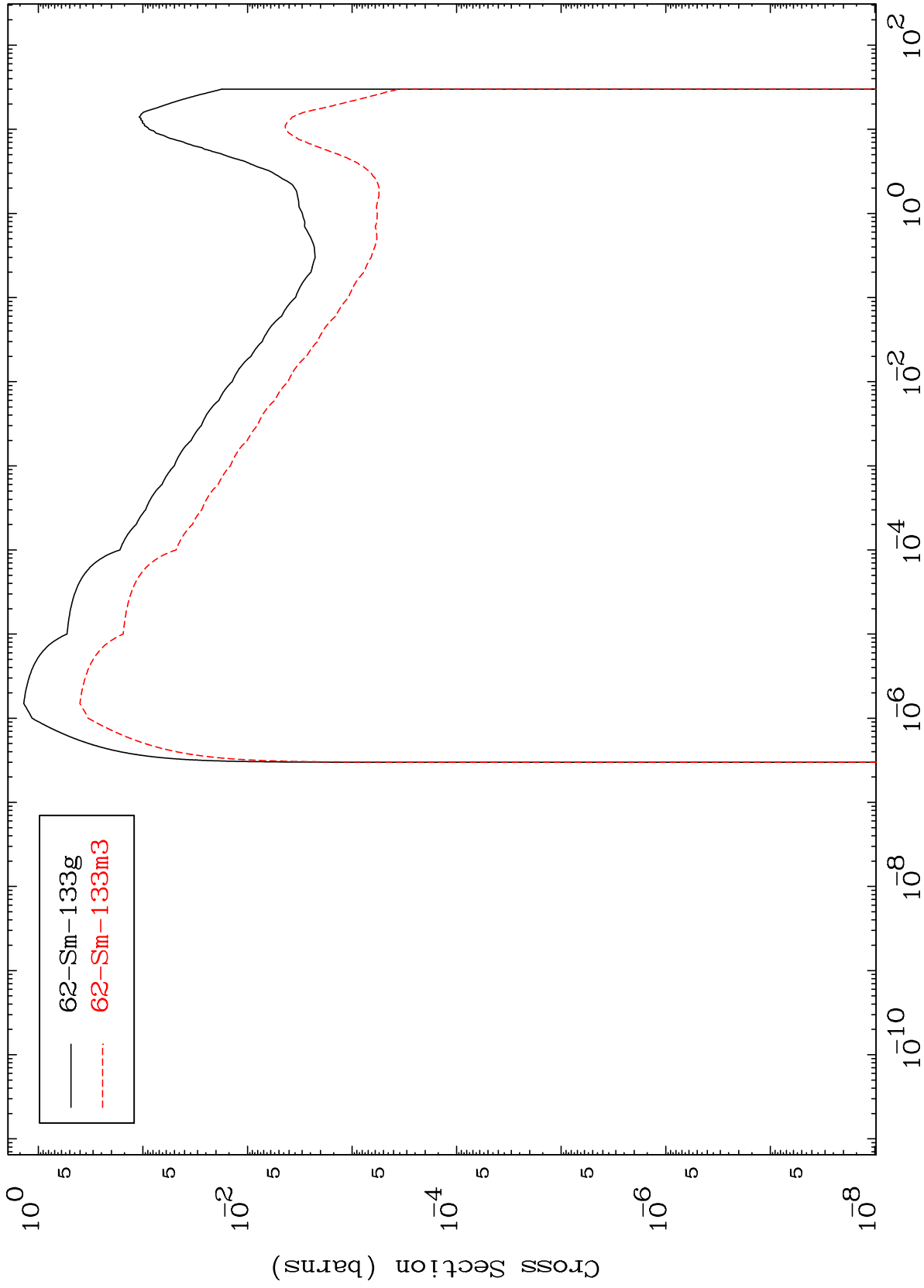
55

64-Gd-136

MAT 6377

64-Gd-136

Radionuclide Production Cross Section  
(n,  $\alpha$ )



56

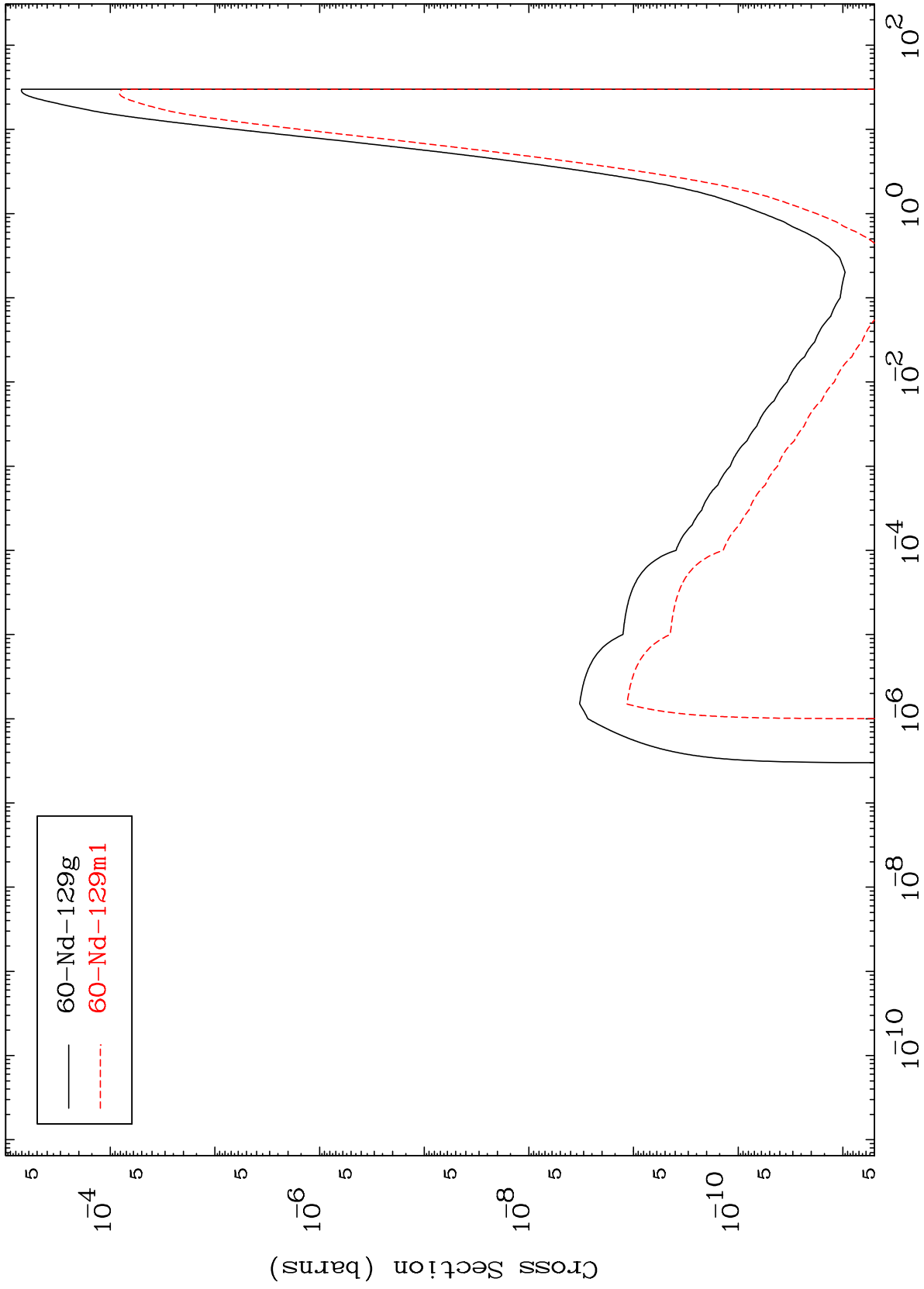
64-Gd-136

MAT 6377

(n,2α)

64-Gd-136

Radionuclide Production Cross Section

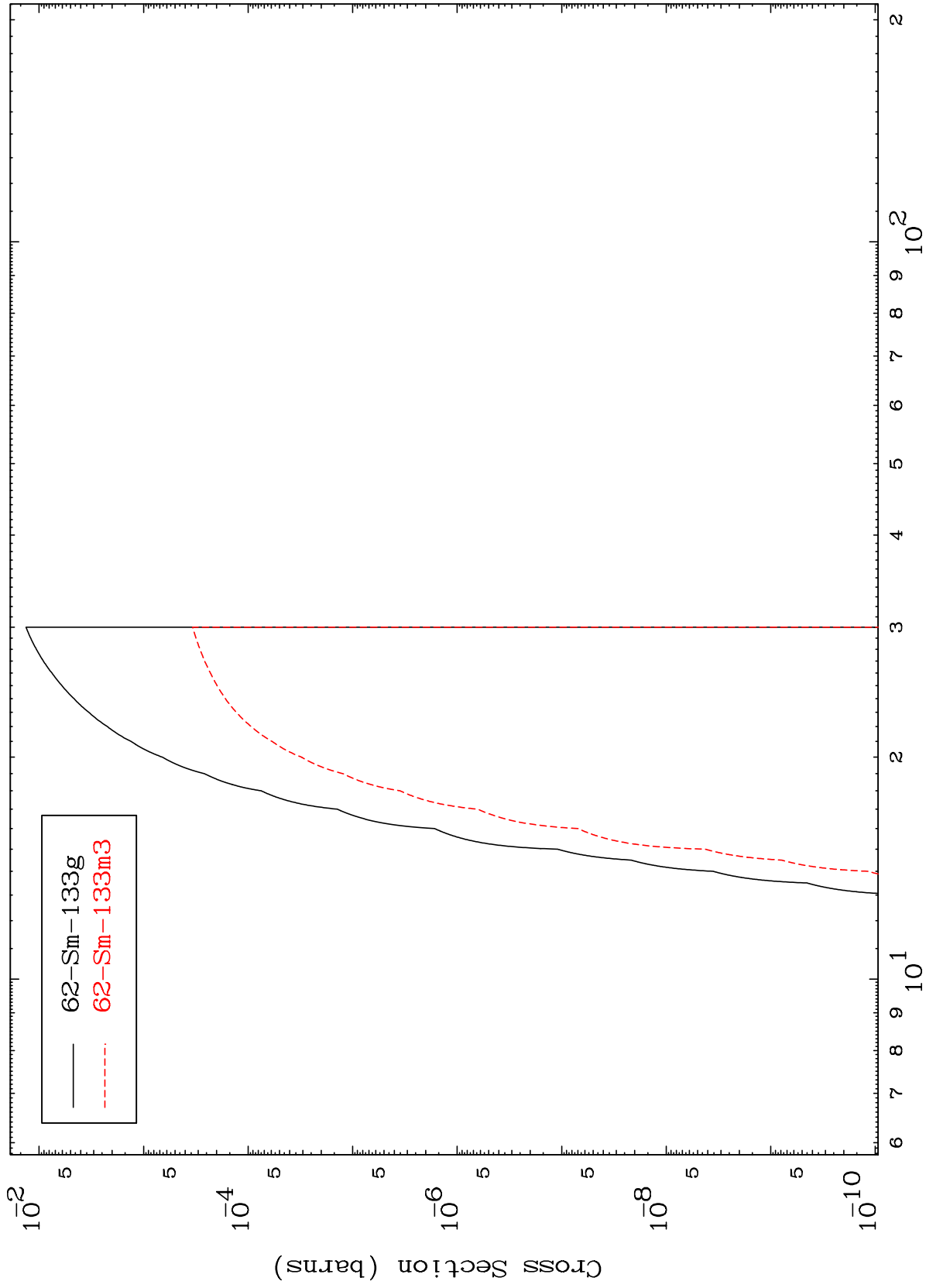


MAT 6377

(n,p) t

64-Gd-136

Radionuclide Production Cross Section



58

Incident Energy (MeV)

64-Gd-136