

Program EVALPLOT
(Version 2018-1)

by

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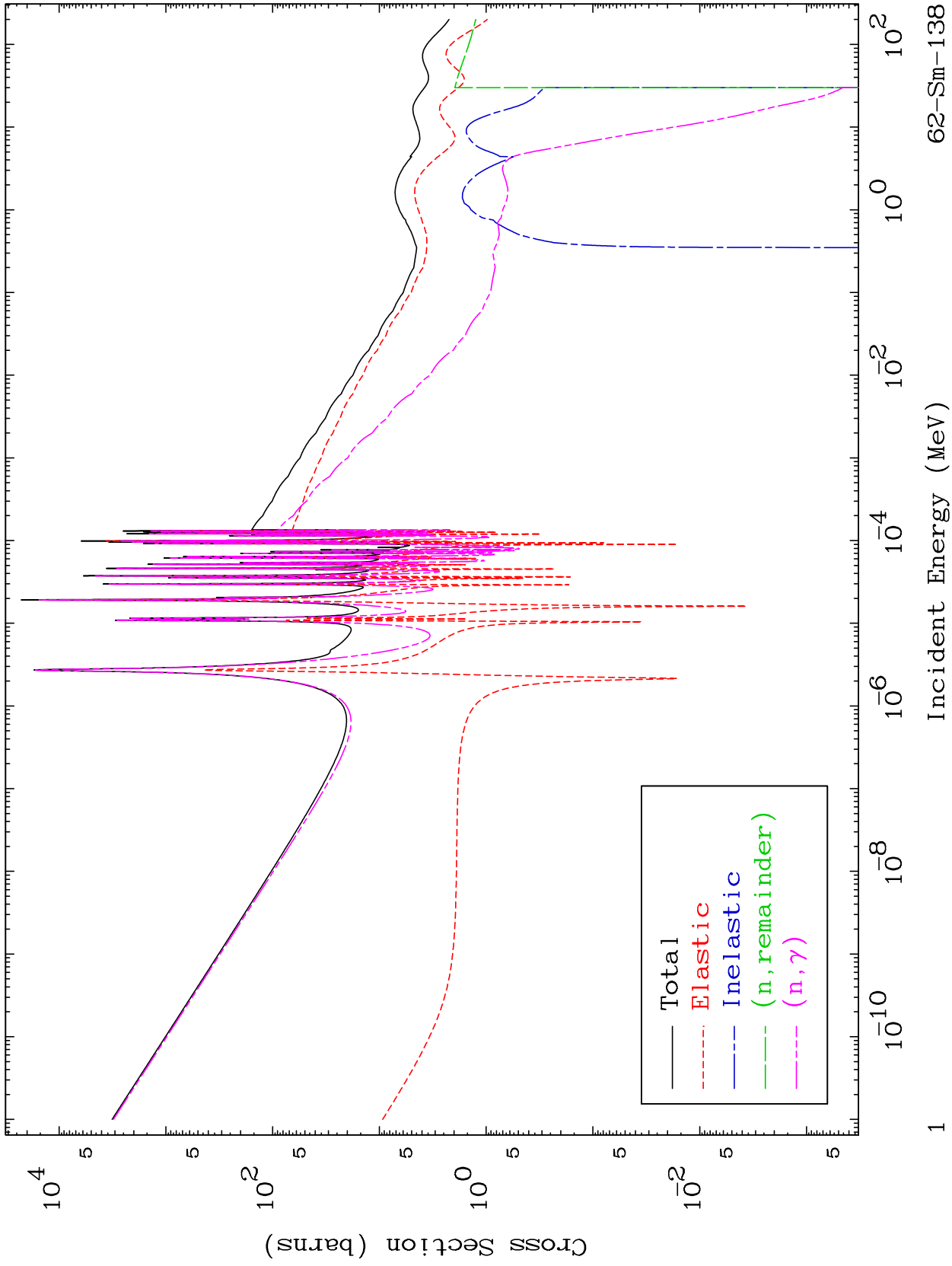
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6207

Major
293 Kelvin Cross Sections

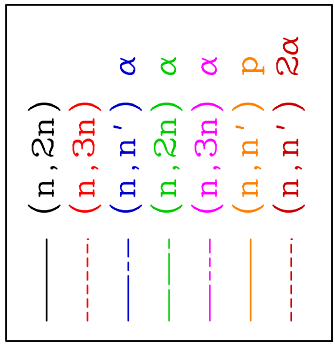
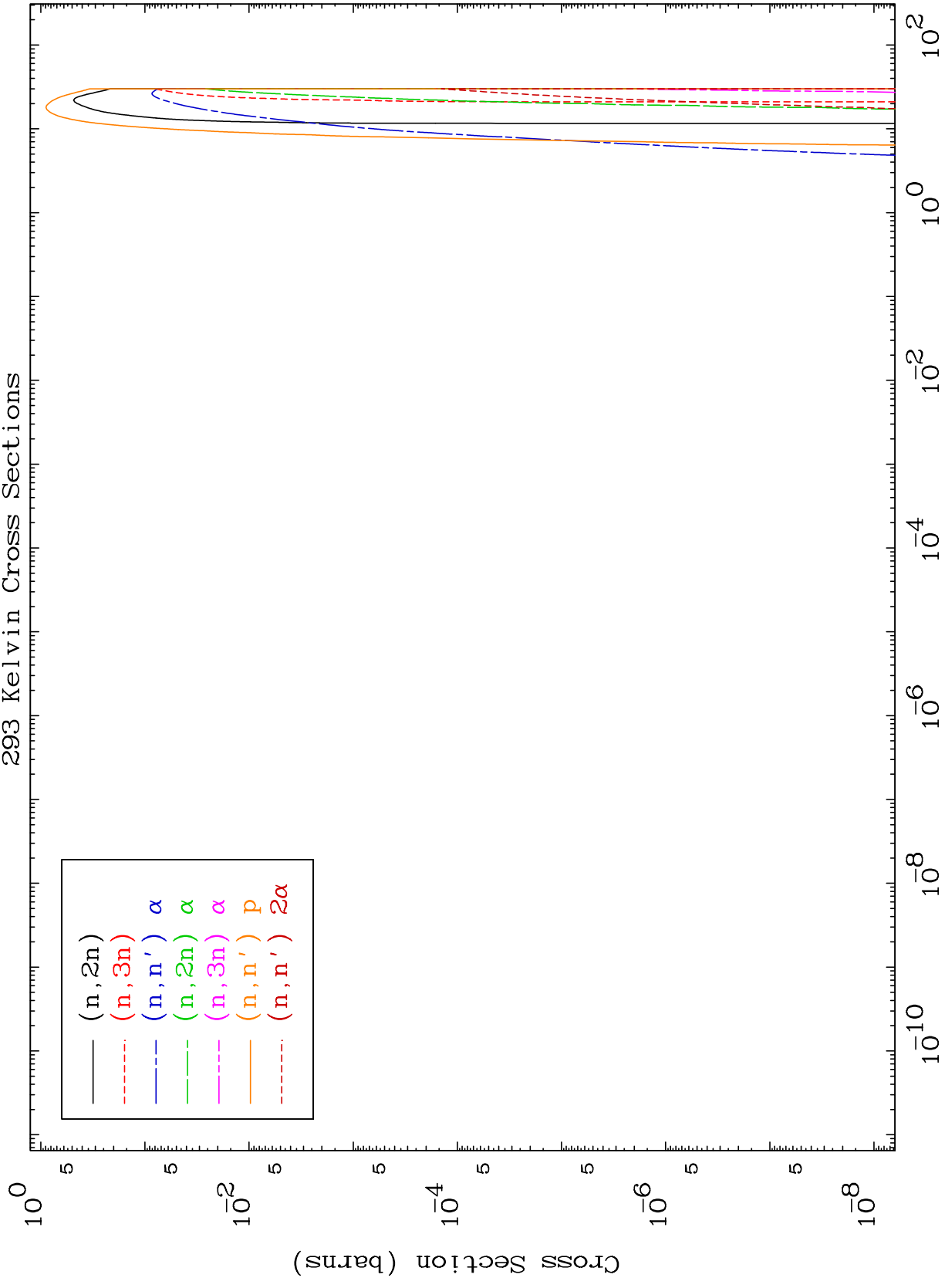
62-Sm-138

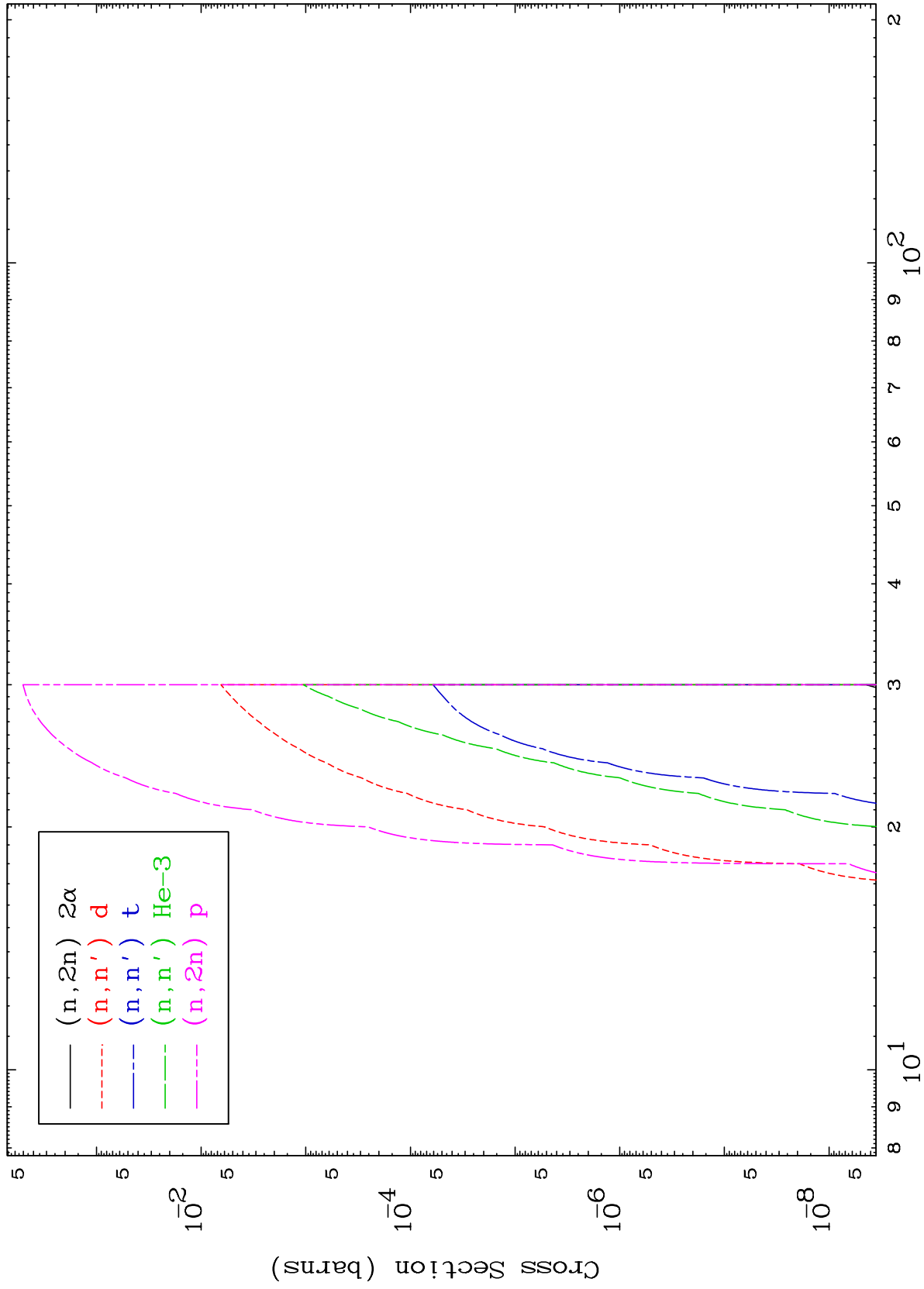


MAT 6207

Neutron Production
293 Kelvin Cross Sections

62-Sm-138

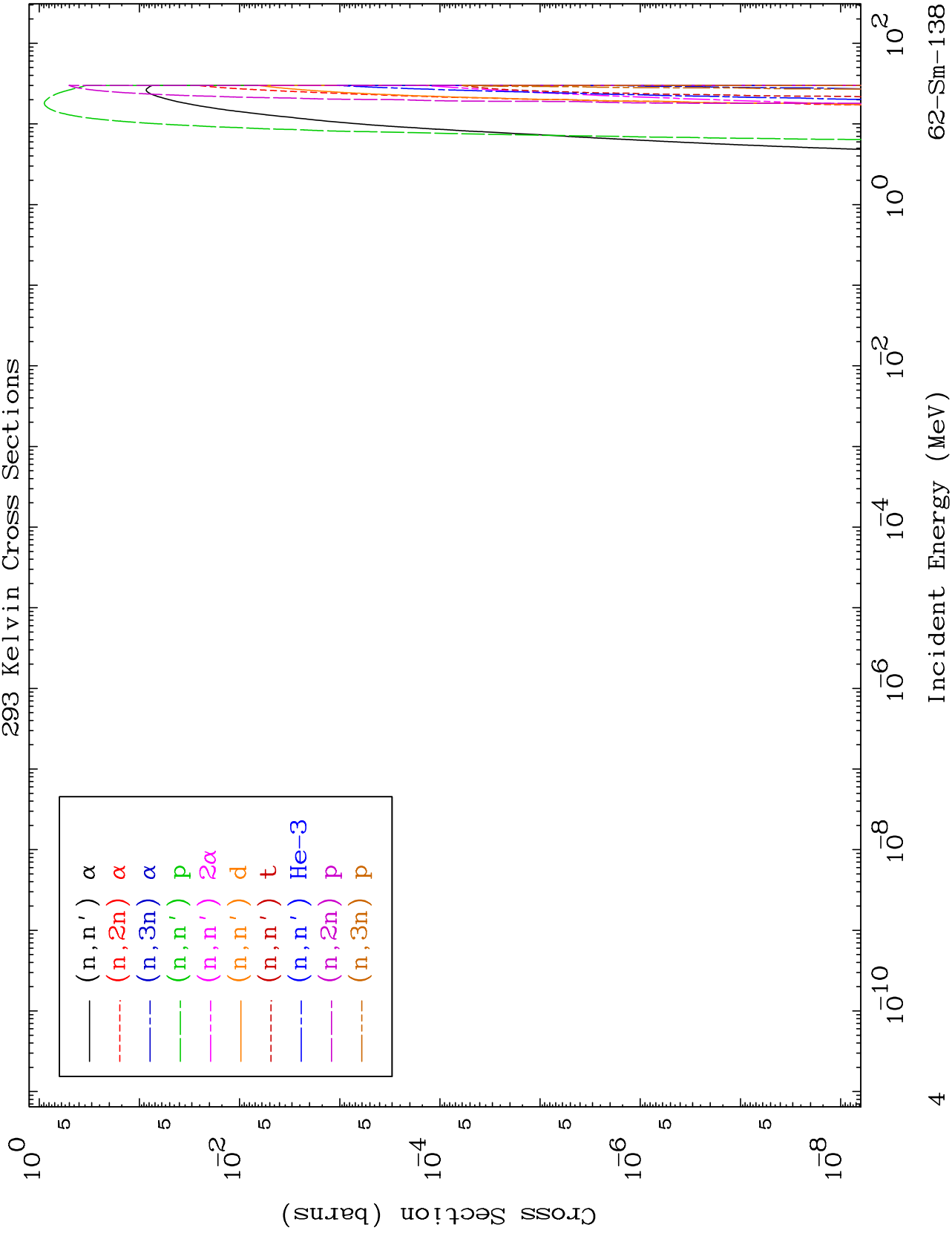




MAT 6207

Charged Particle
293 Kelvin Cross Sections

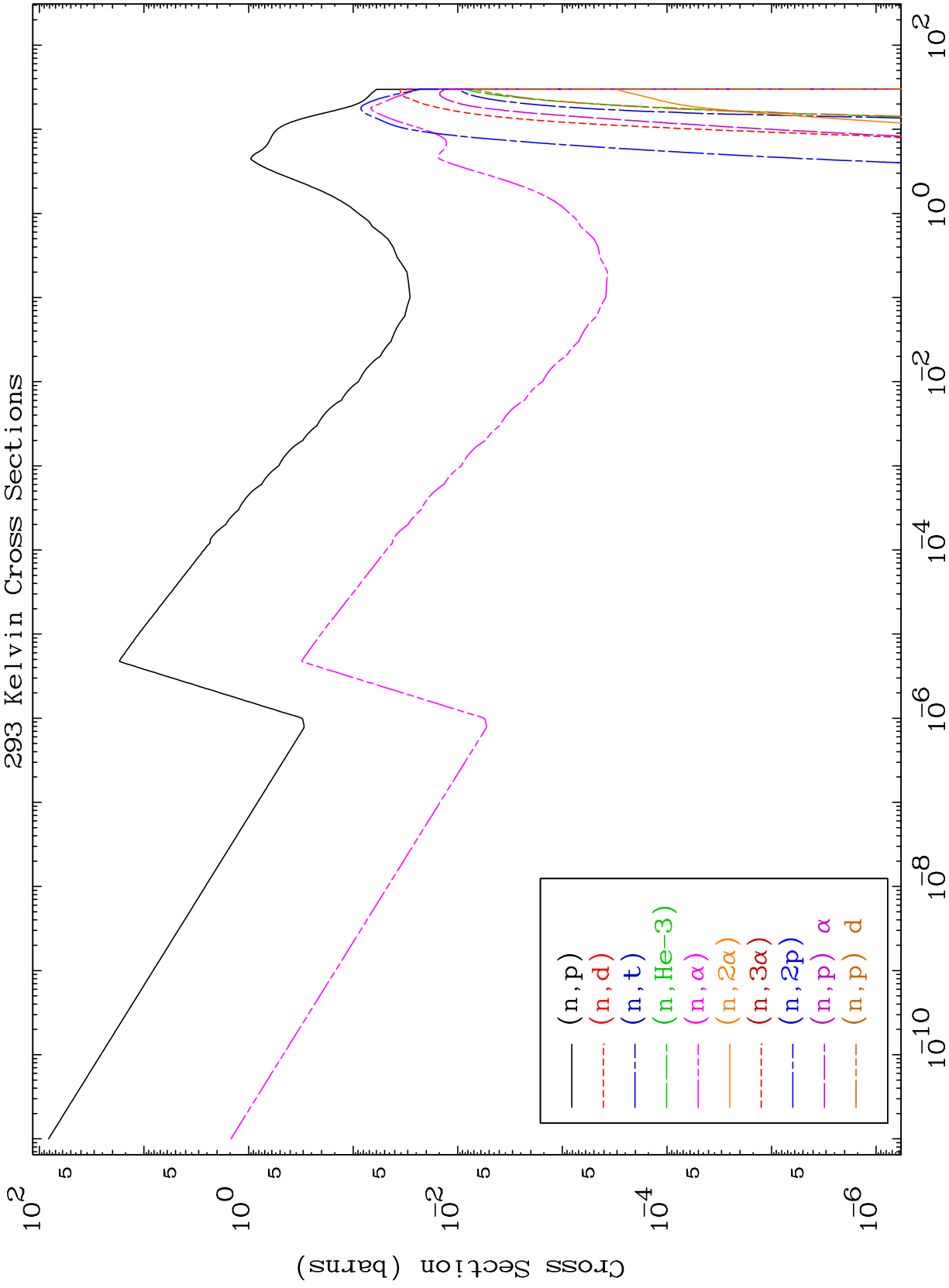
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MAT 6207

Charged Particle
293 Kelvin Cross Sections

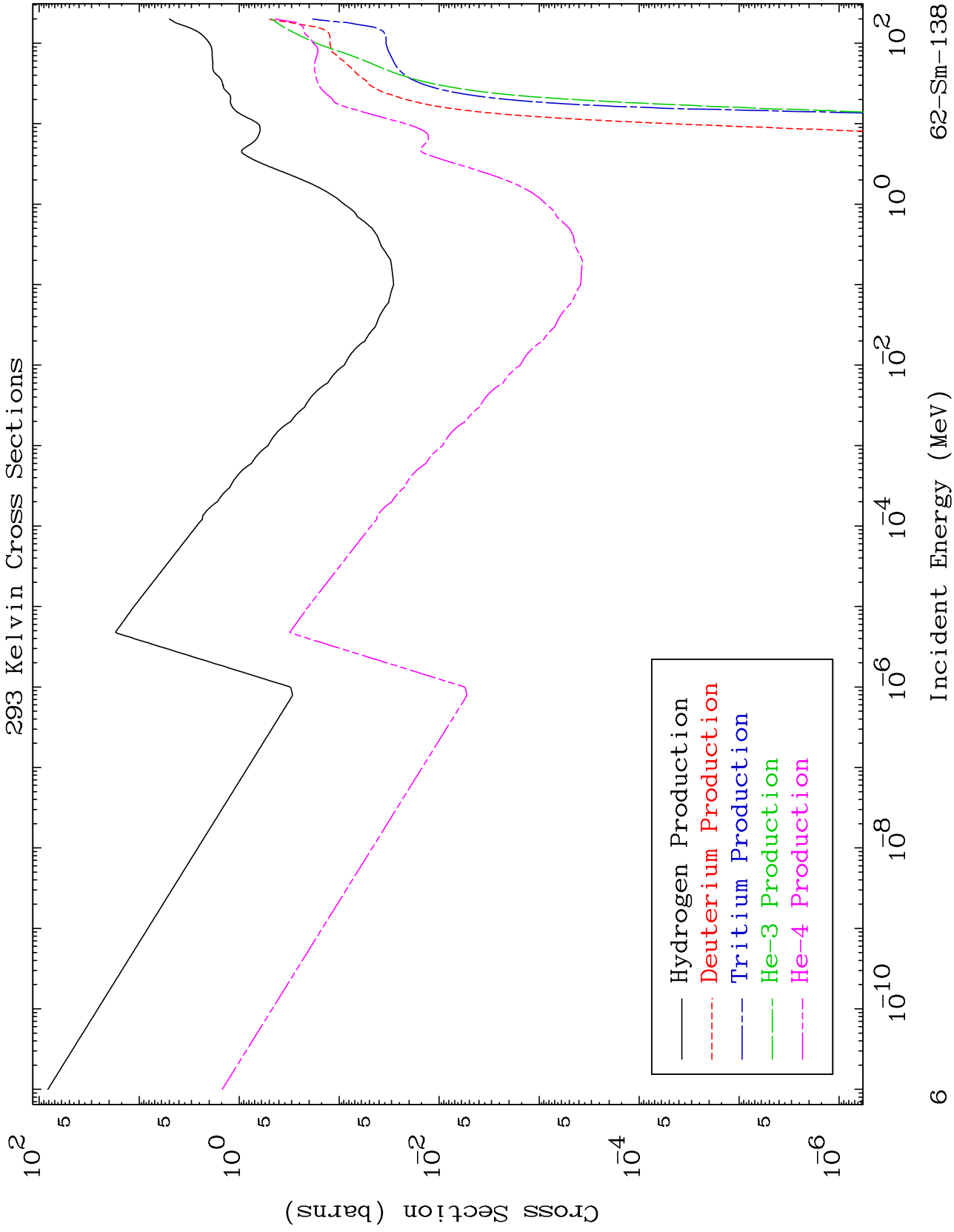
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MAT 6207

Particle Production
293 Kelvin Cross Sections

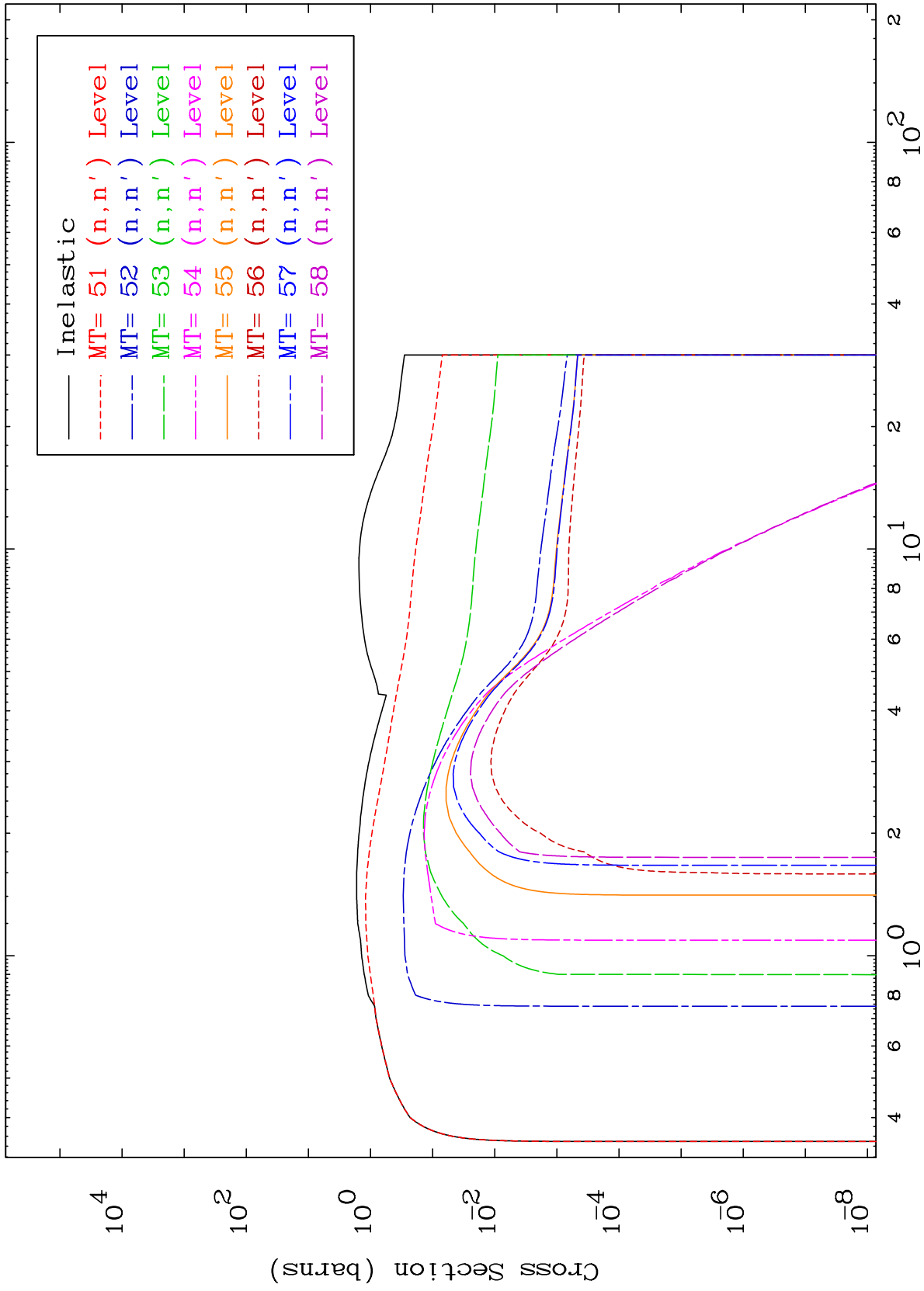
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MAT 6207

(n,n') Level
293 Kelvin Cross Sections

62-Sm-138



7

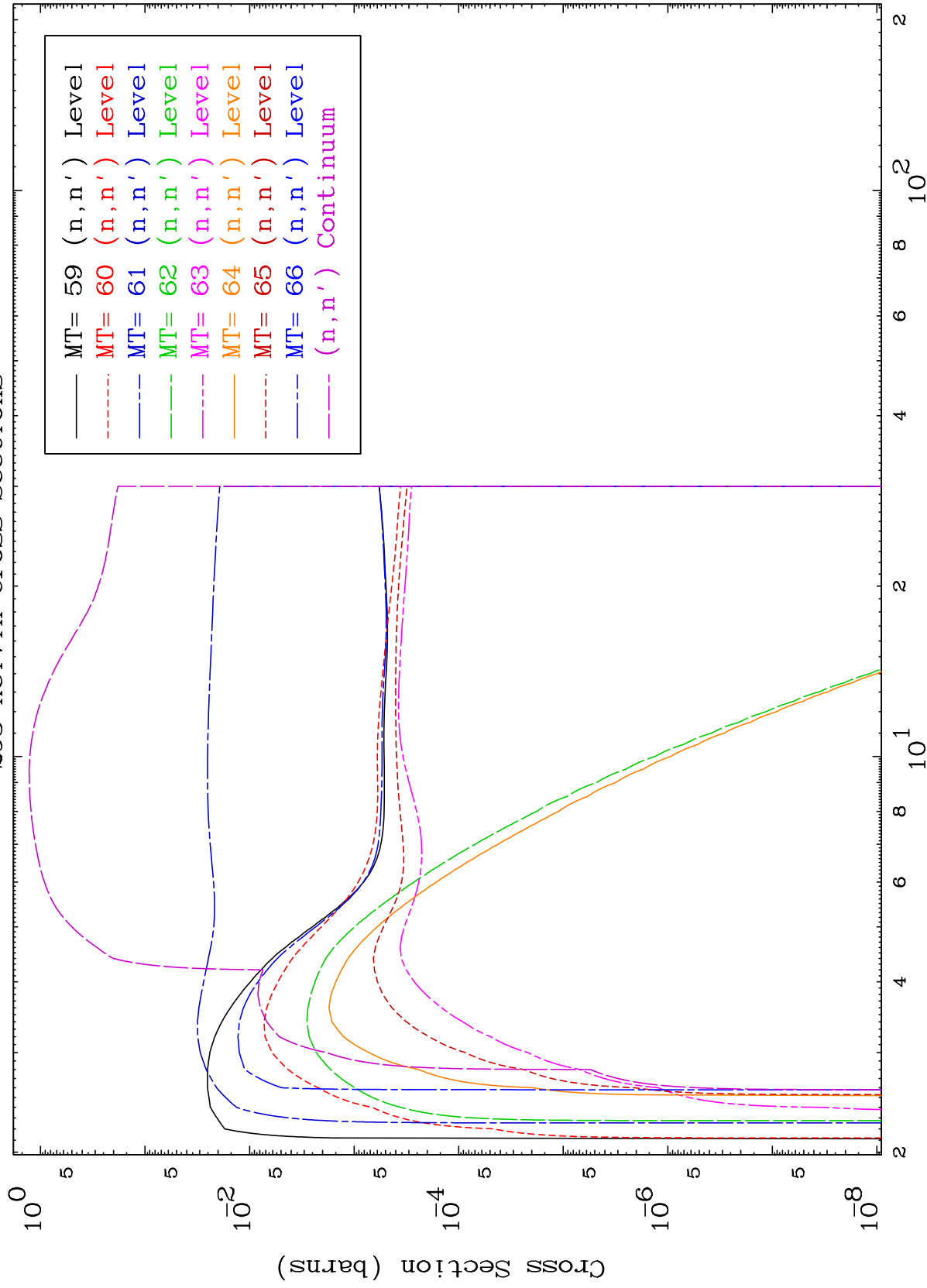
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,n') Level
293 Kelvin Cross Sections

62-Sm-138



8

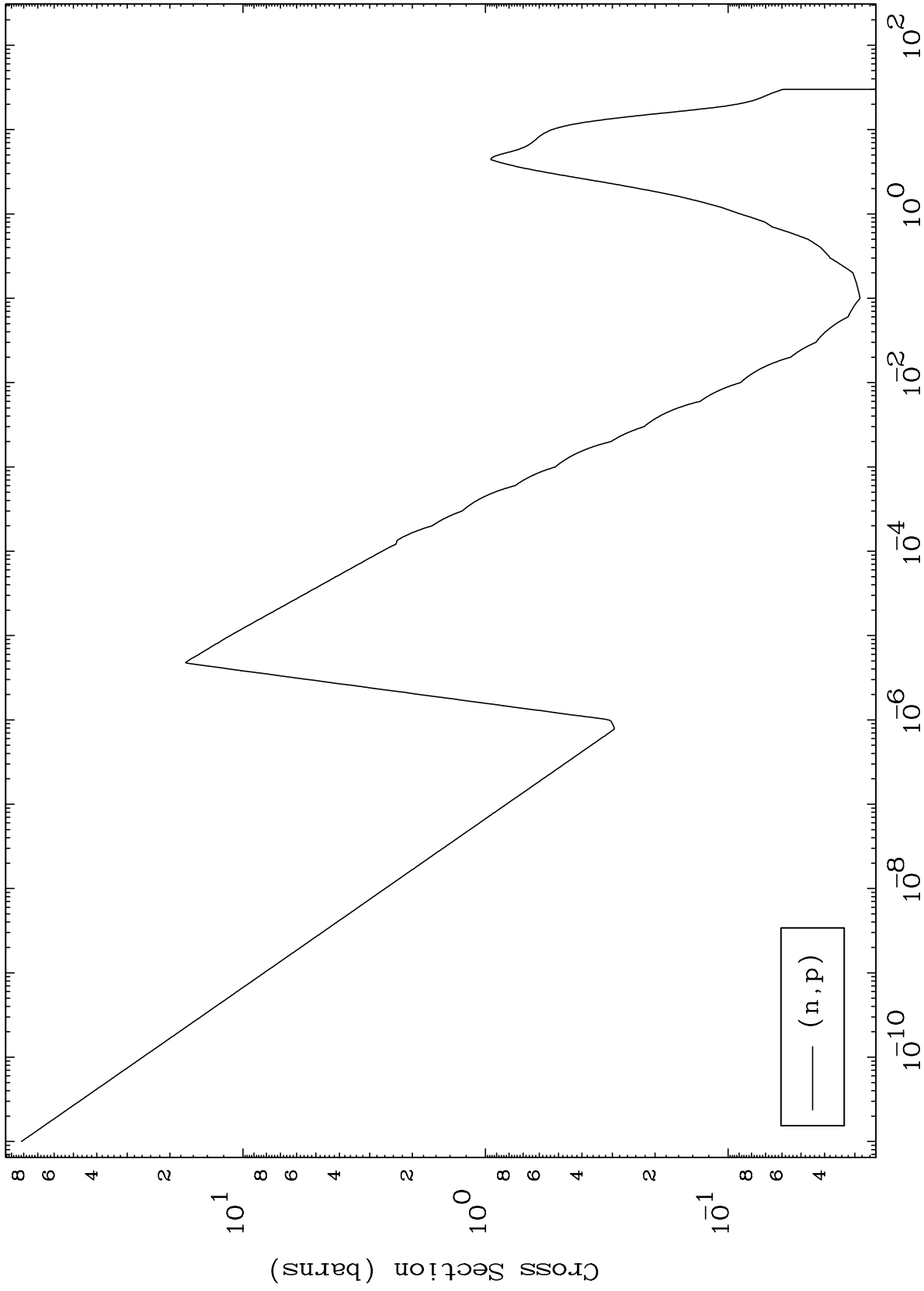
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,p) Levels
293 Kelvin Cross Sections

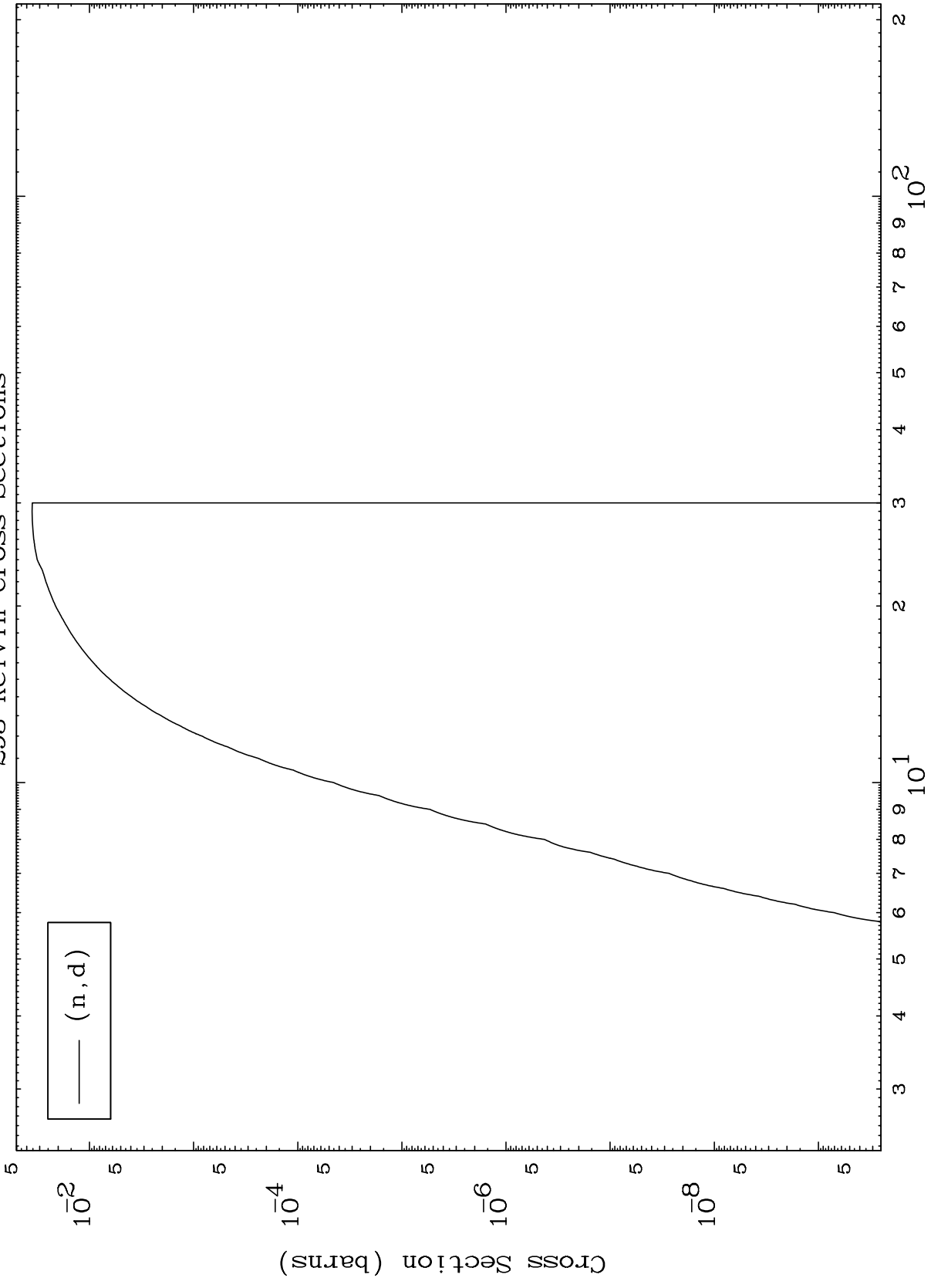
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MAT 6207

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-138



10

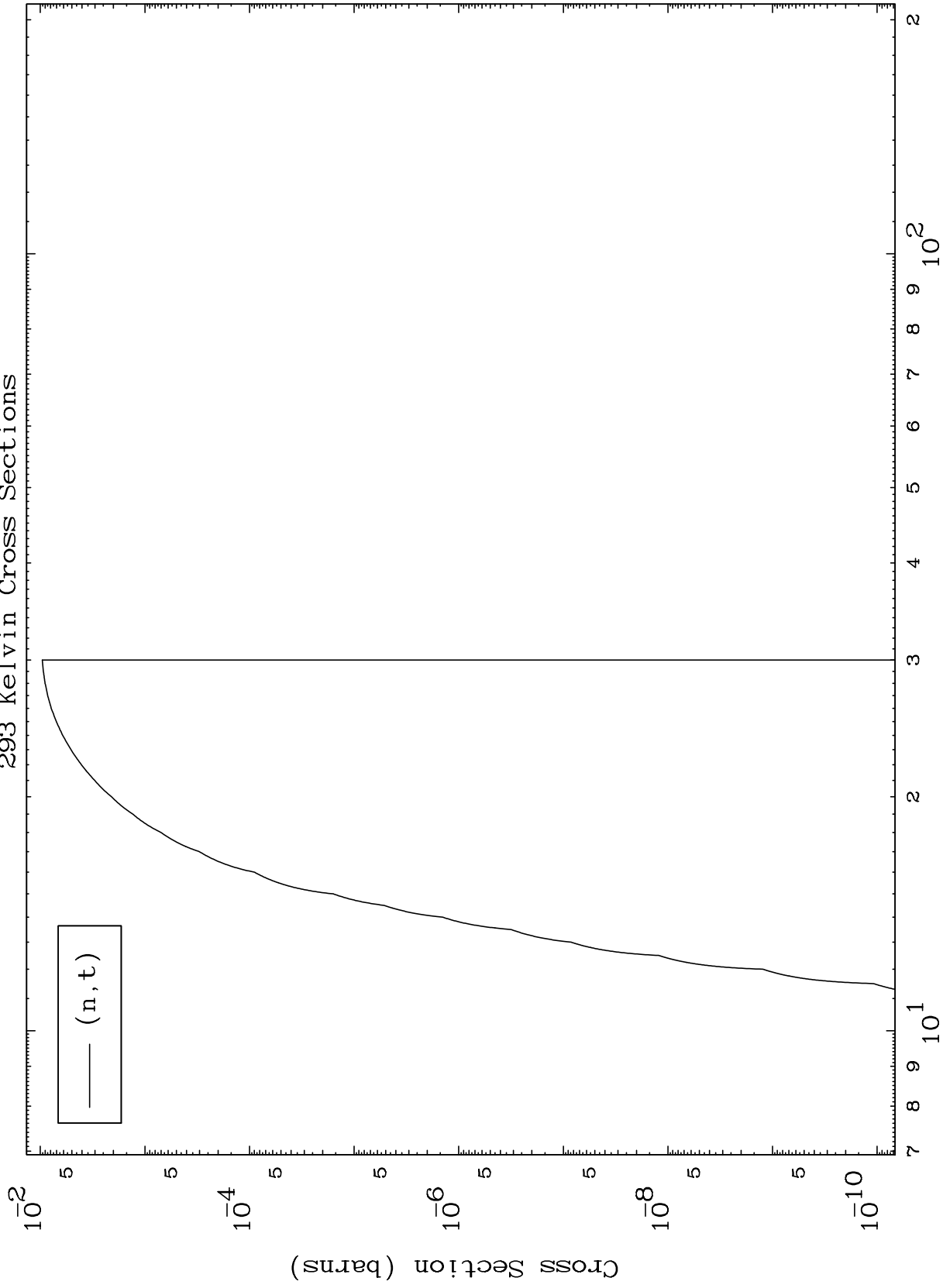
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,t) Levels
293 Kelvin Cross Sections

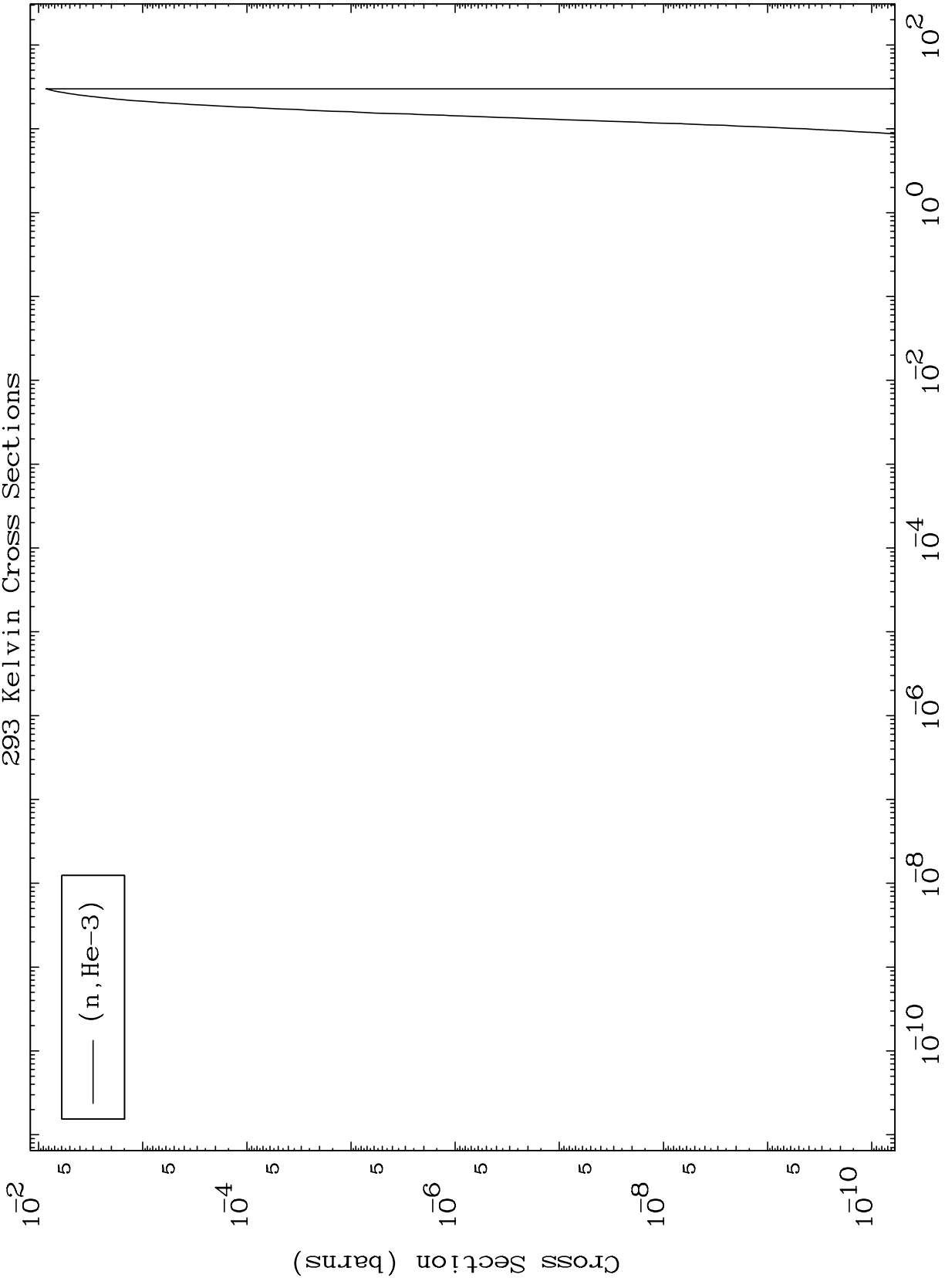
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MAT 6207

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-138



12

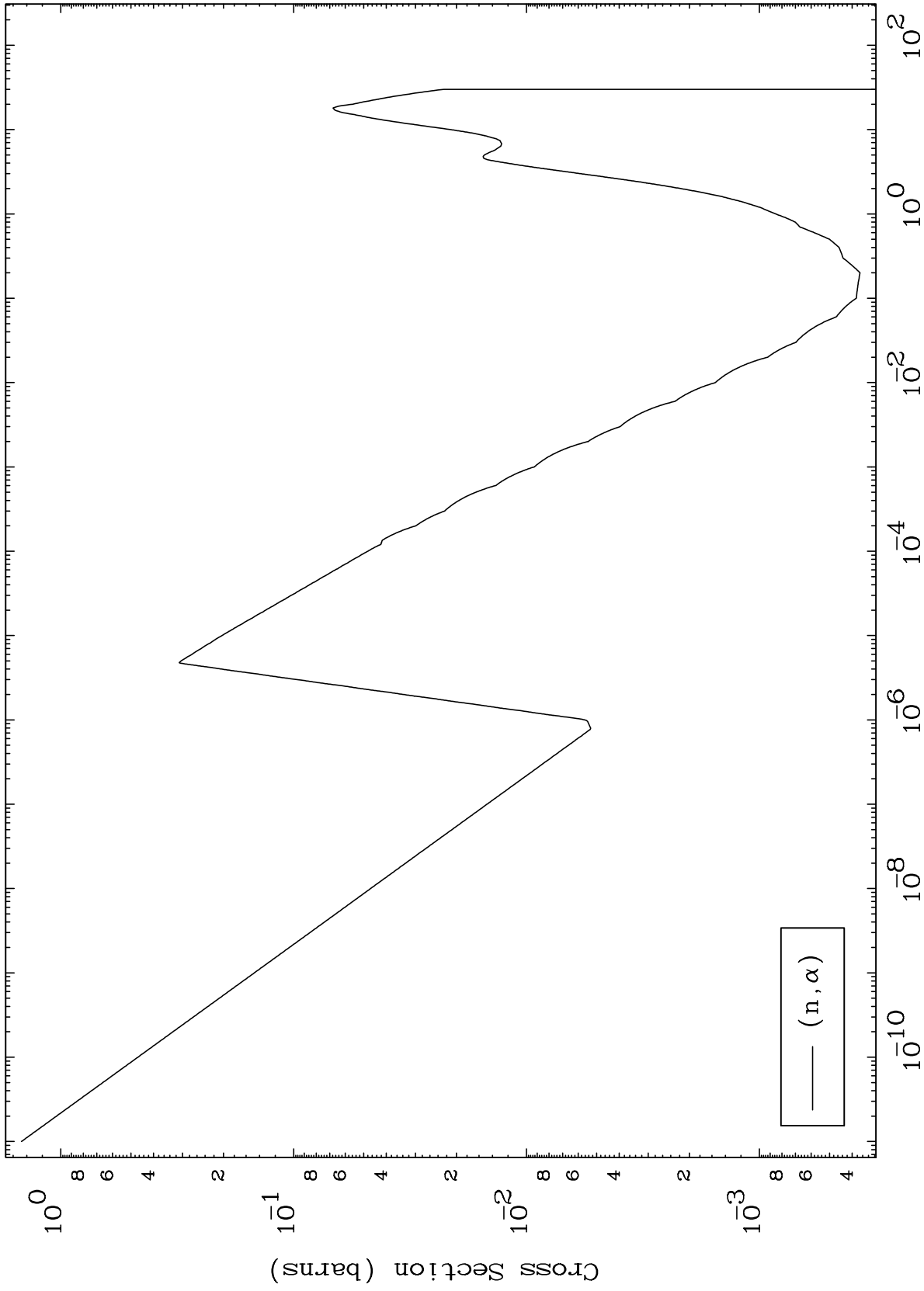
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,α) Levels
293 Kelvin Cross Sections

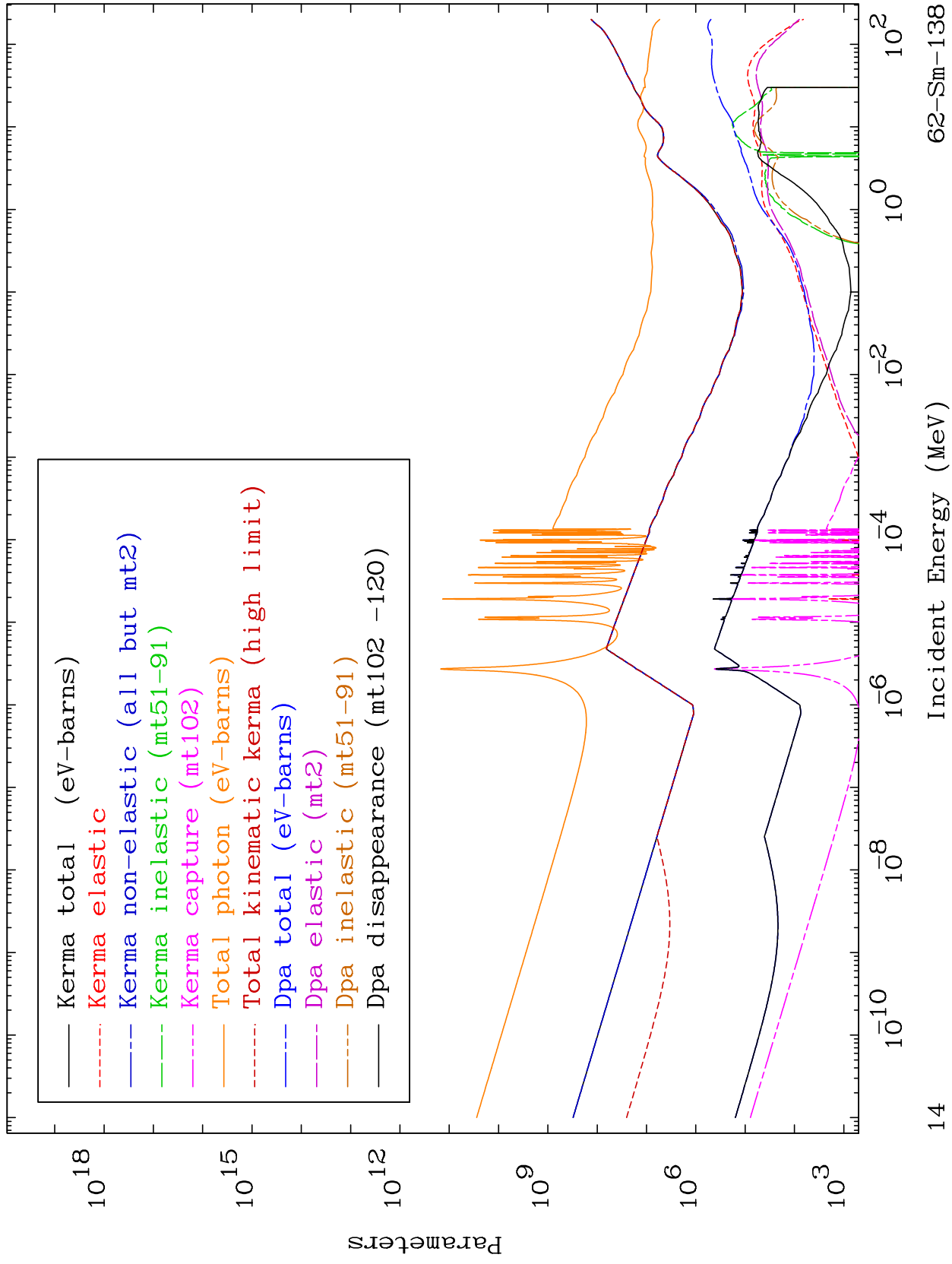
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13

Incident Energy (MeV)

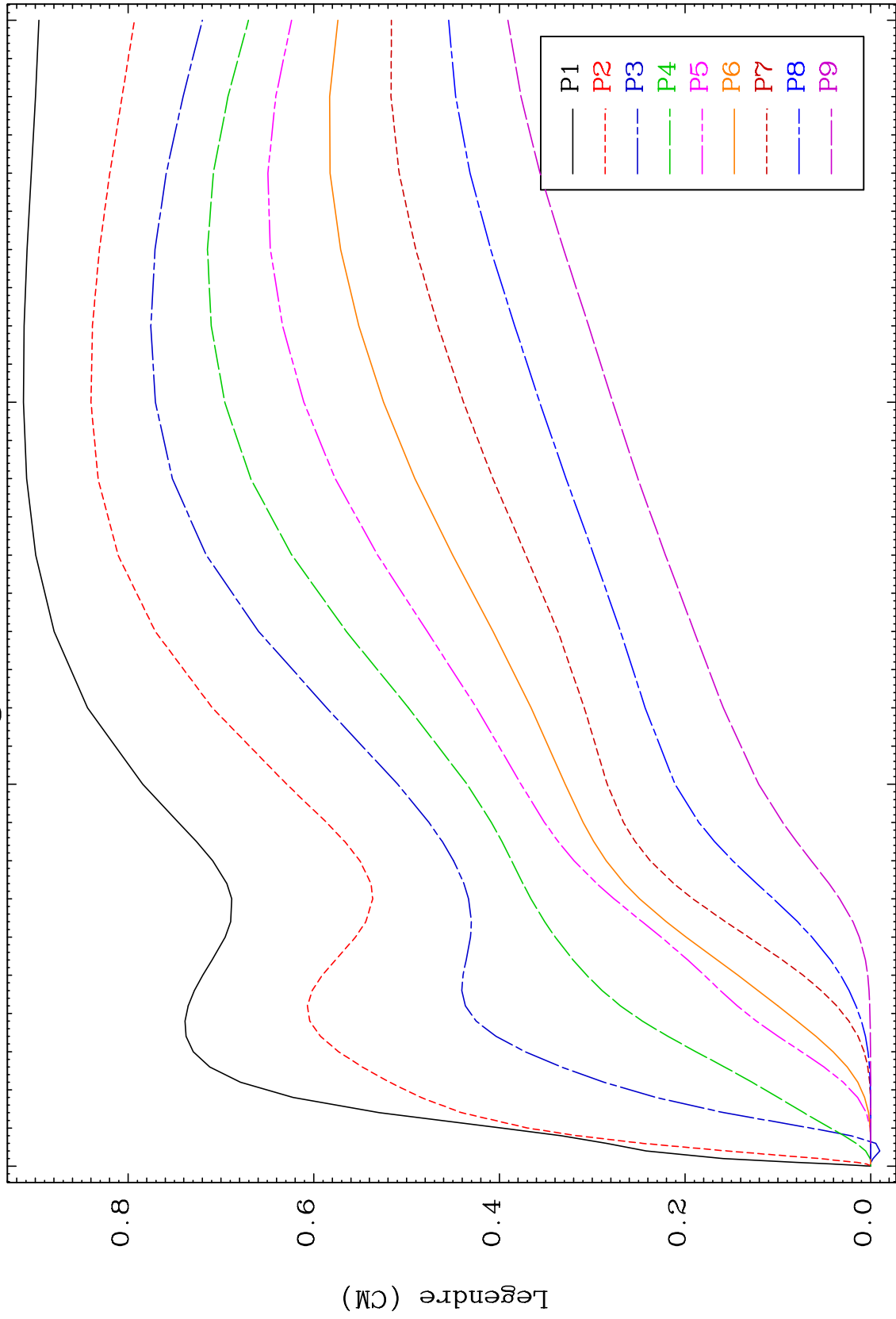
62-Sm-138



MAT 6207

Elastic Legendre Coefficients

62-Sm-138



0

15

10

20

30

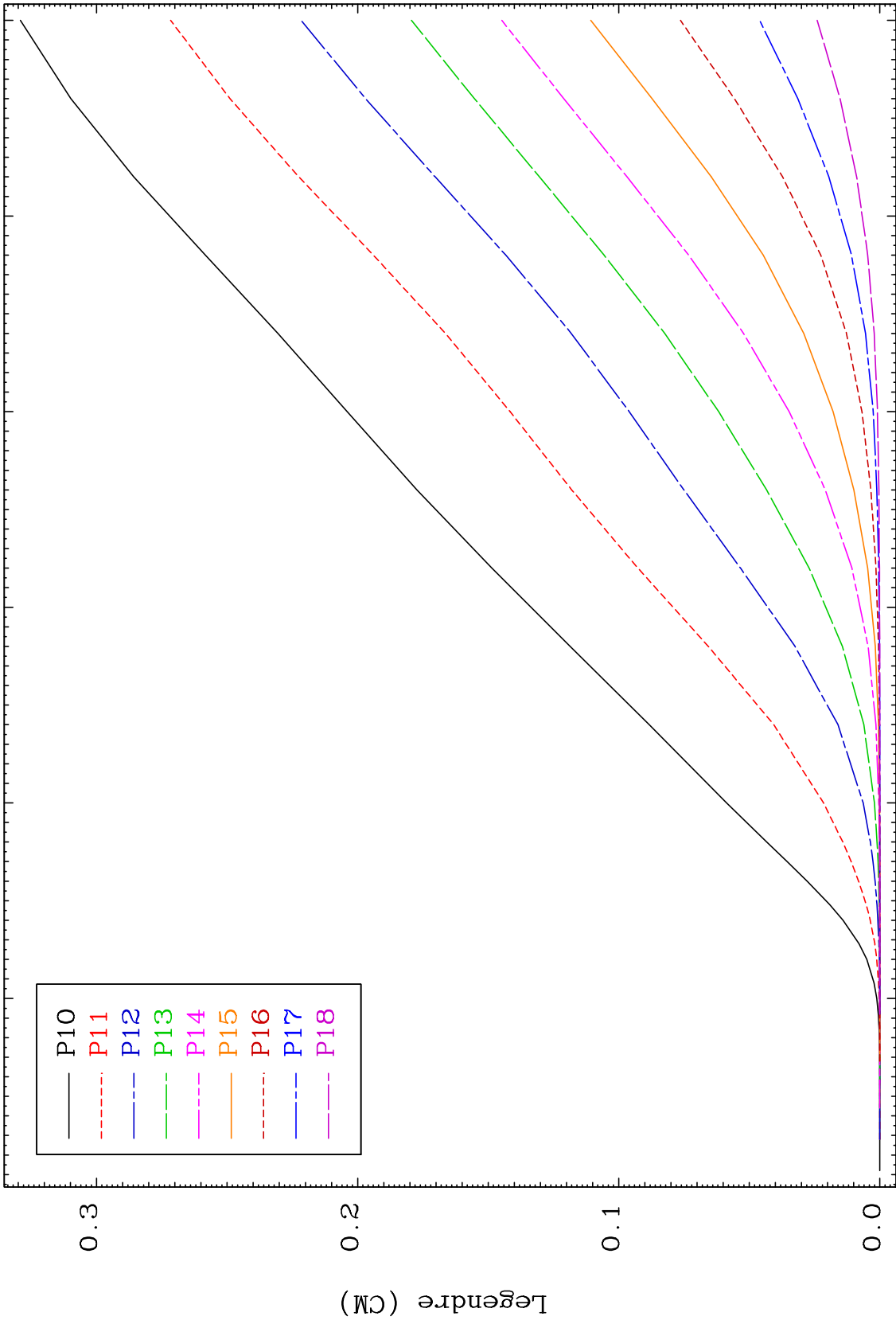
Incident Energy (MeV)

62-Sm-138

MAT 6207

Elastic Legendre Coefficients

62-Sm-138



16

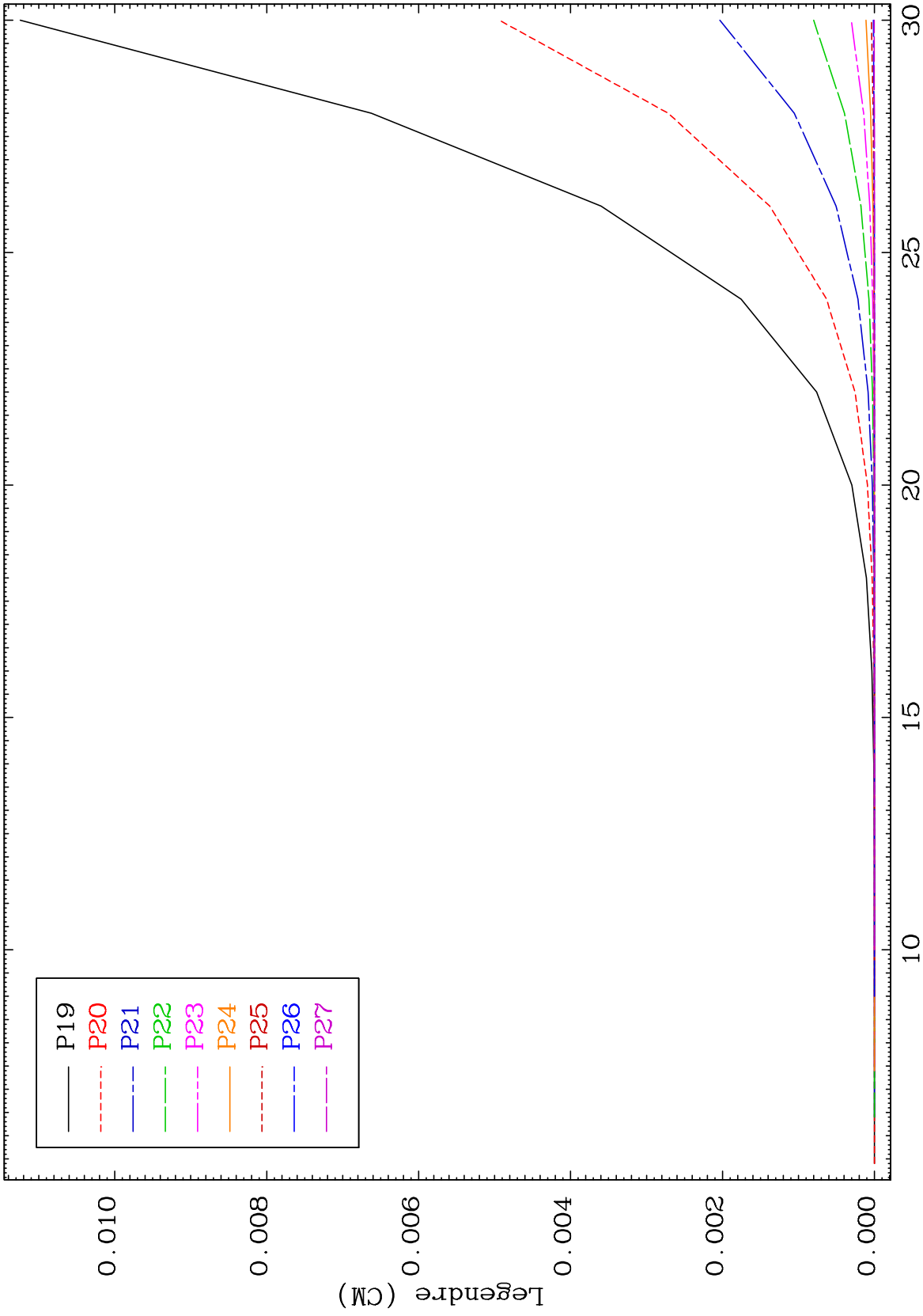
Incident Energy (MeV)

62-Sm-138

MAT 6207

Elastic Legendre Coefficients

62-Sm-138



17

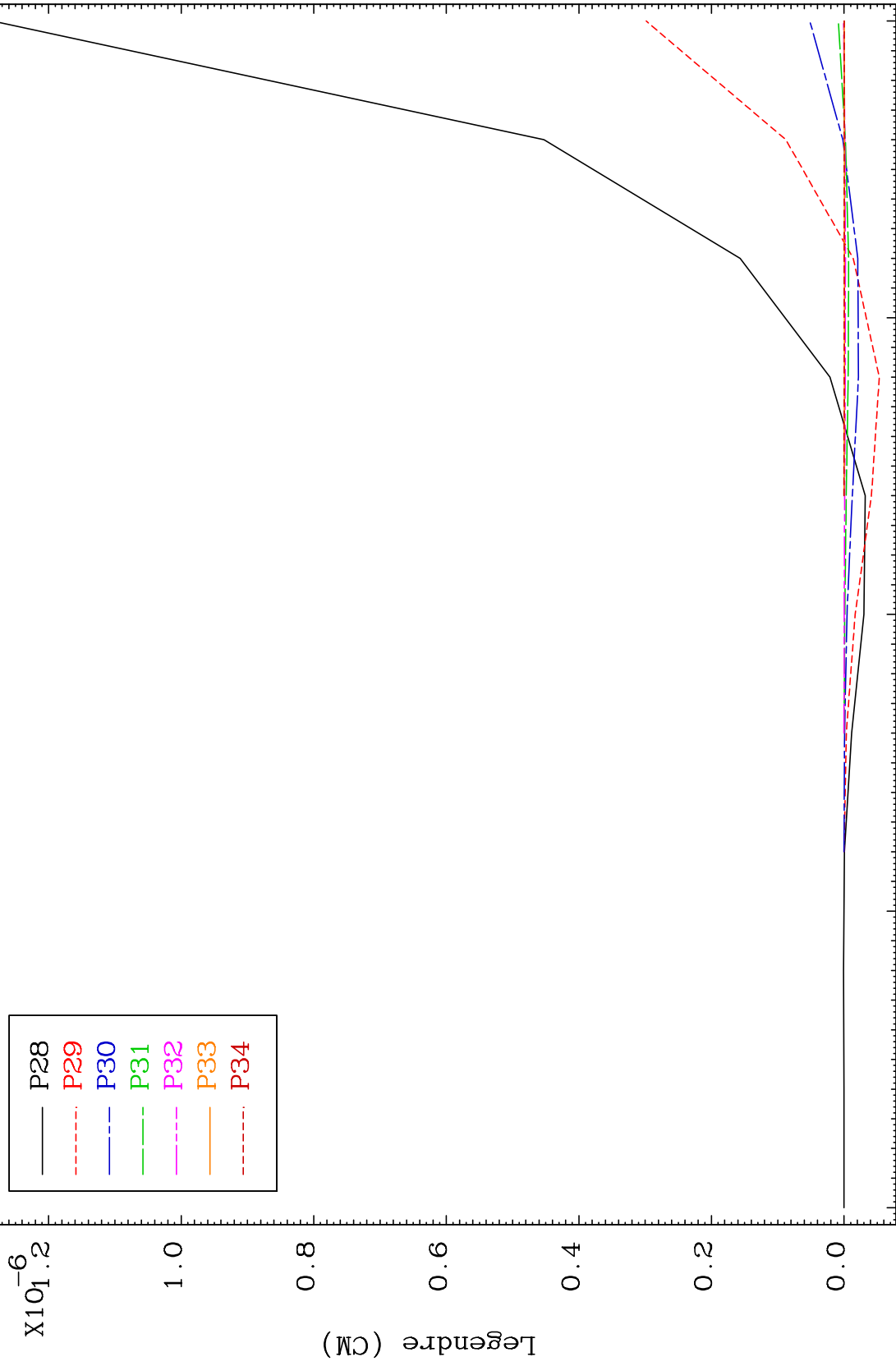
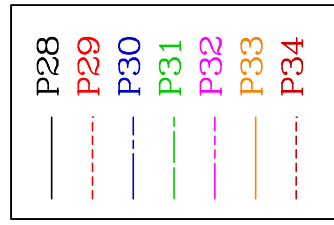
Incident Energy (MeV)

62-Sm-138

MAT 6207

Elastic Legendre Coefficients

62-Sm-138



10

15

20

25

30

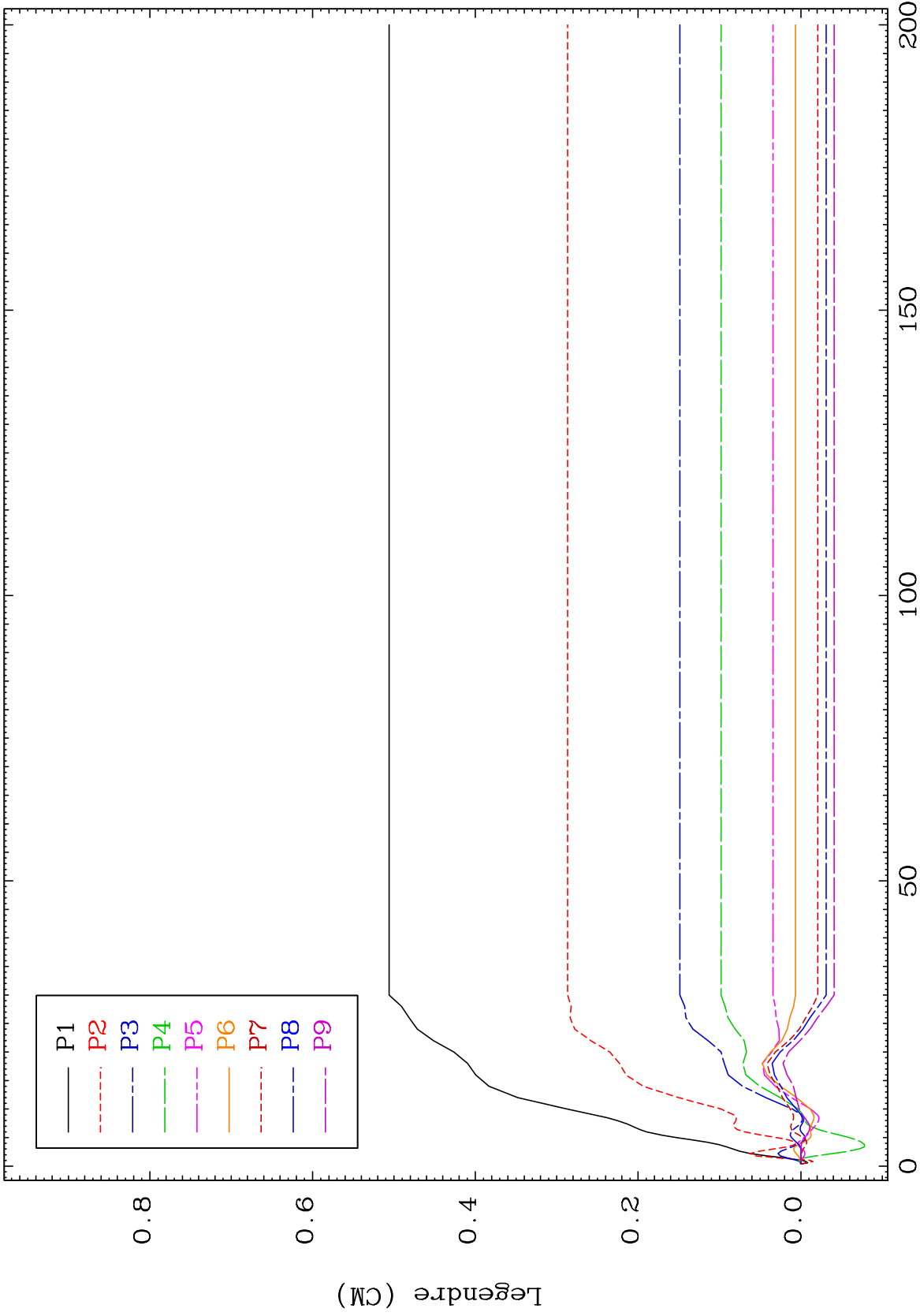
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



19

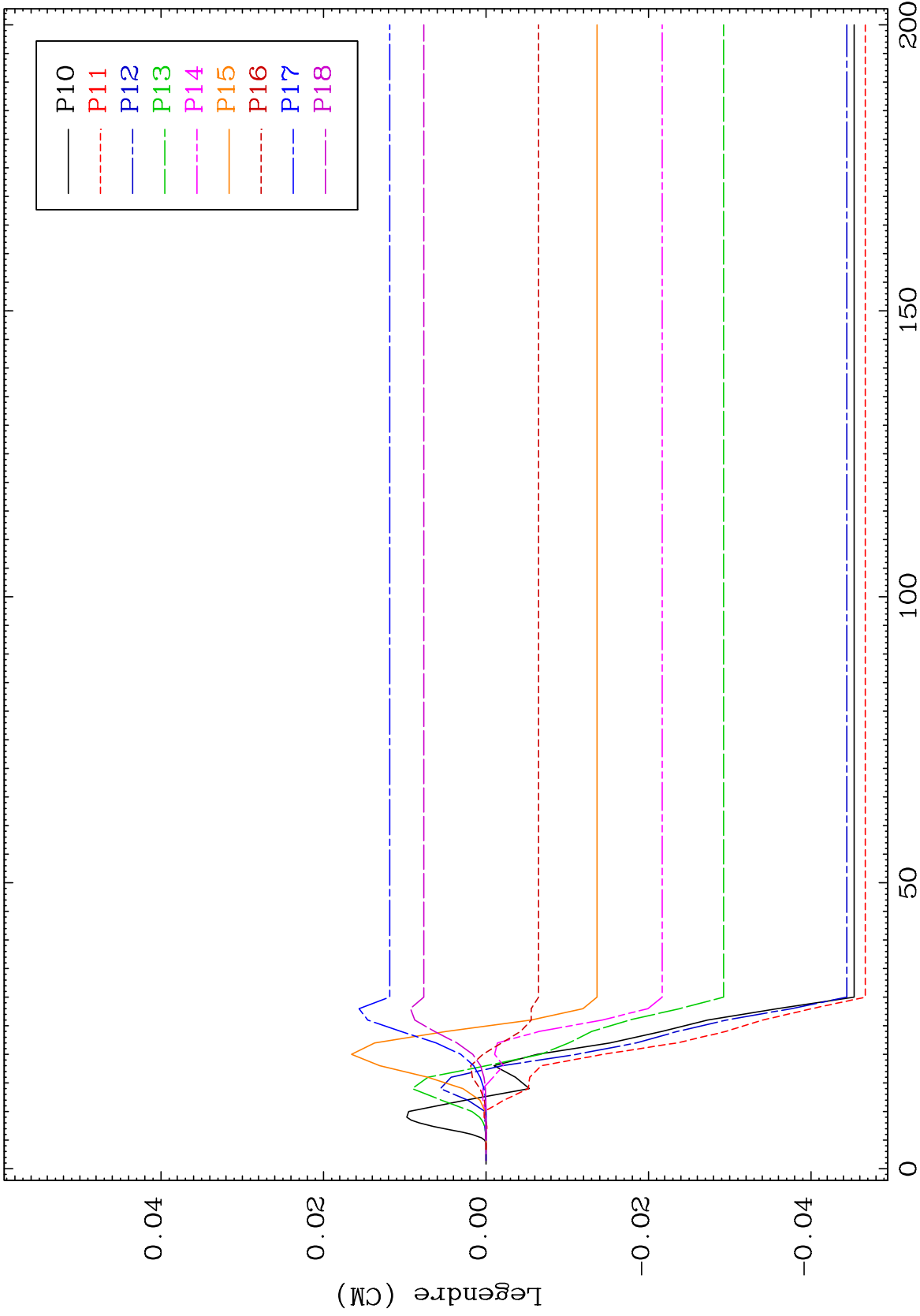
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



0

50

100

150

200

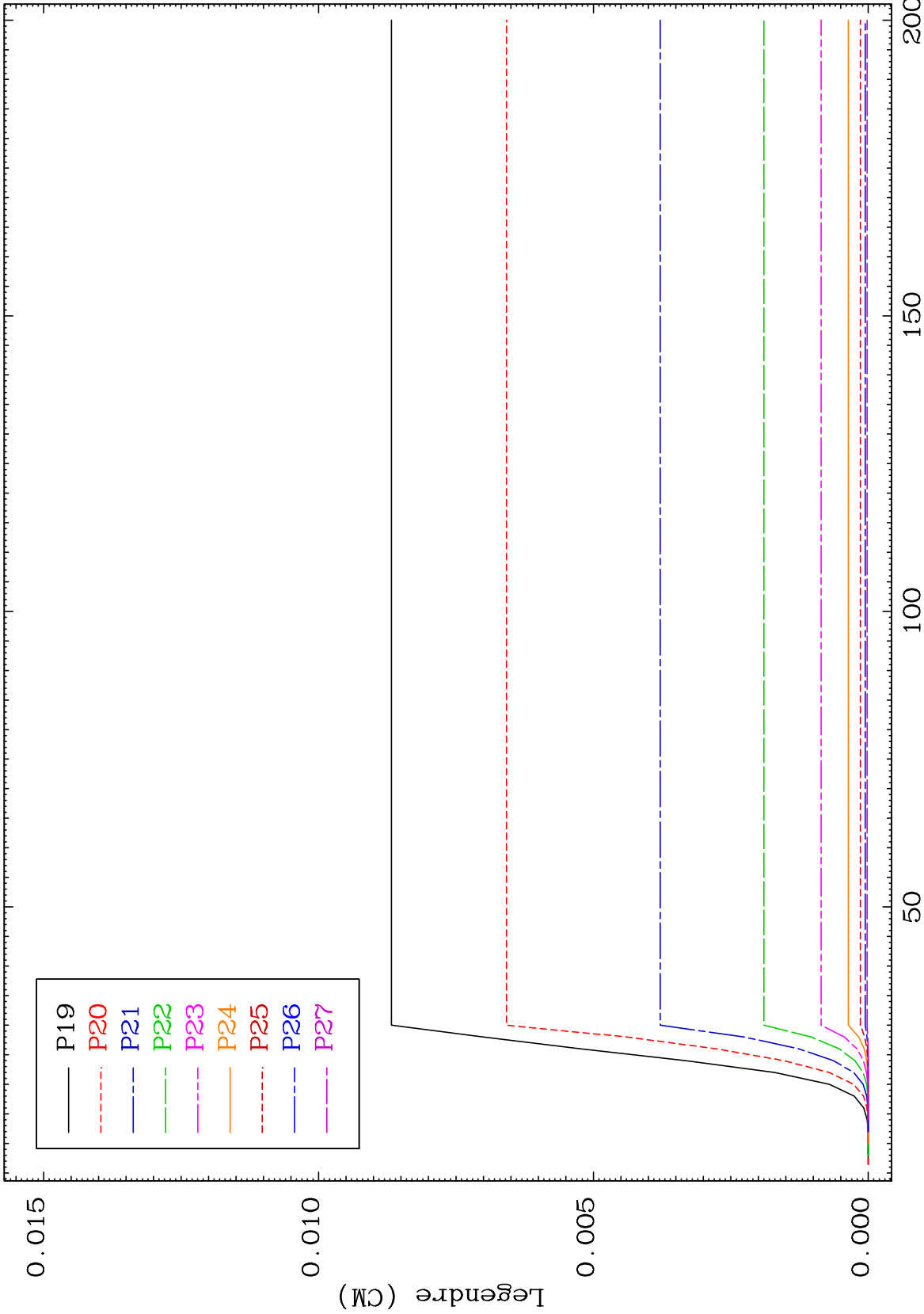
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

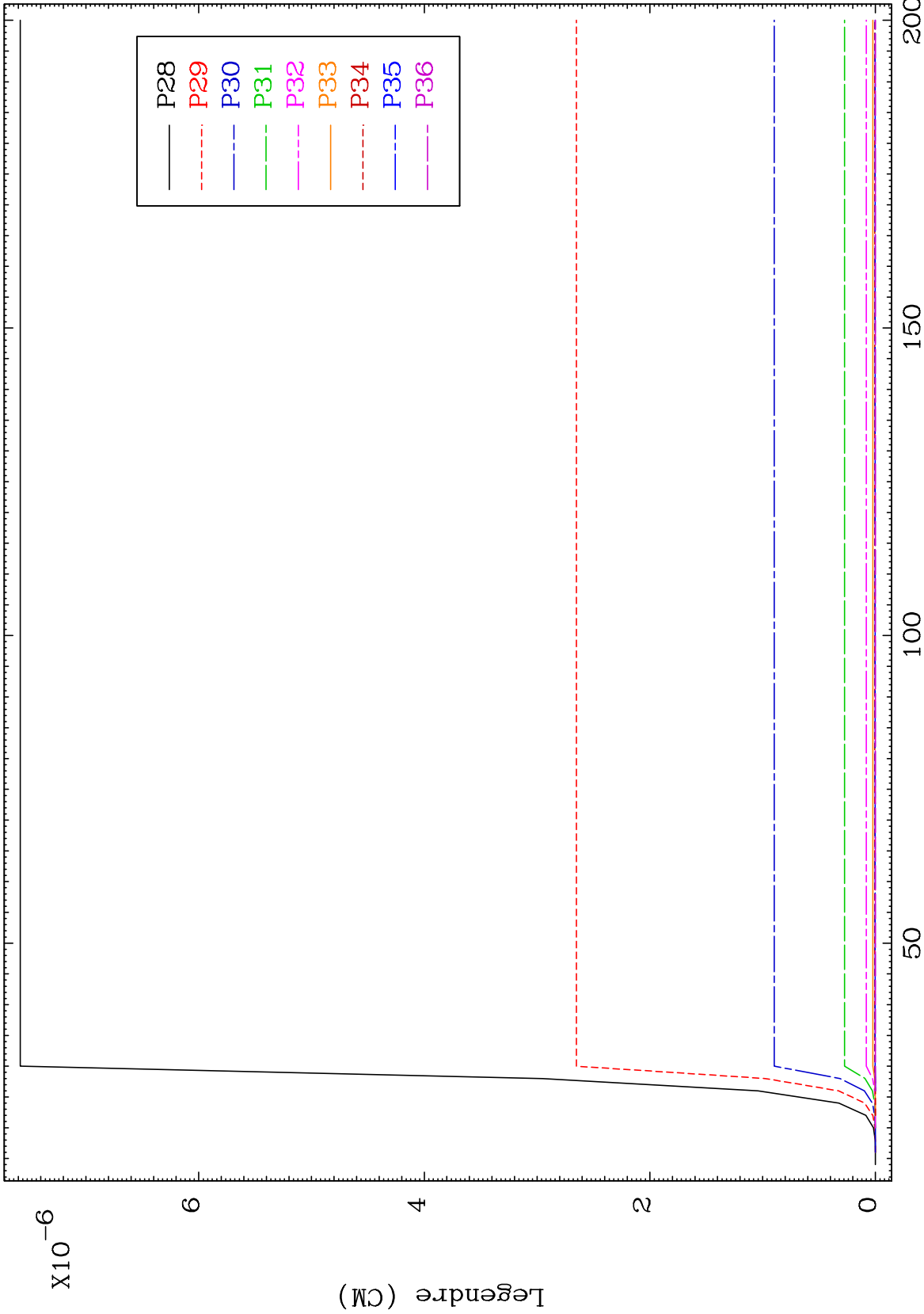
62-Sm-138



MAT 6207

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

62-Sm-138



22

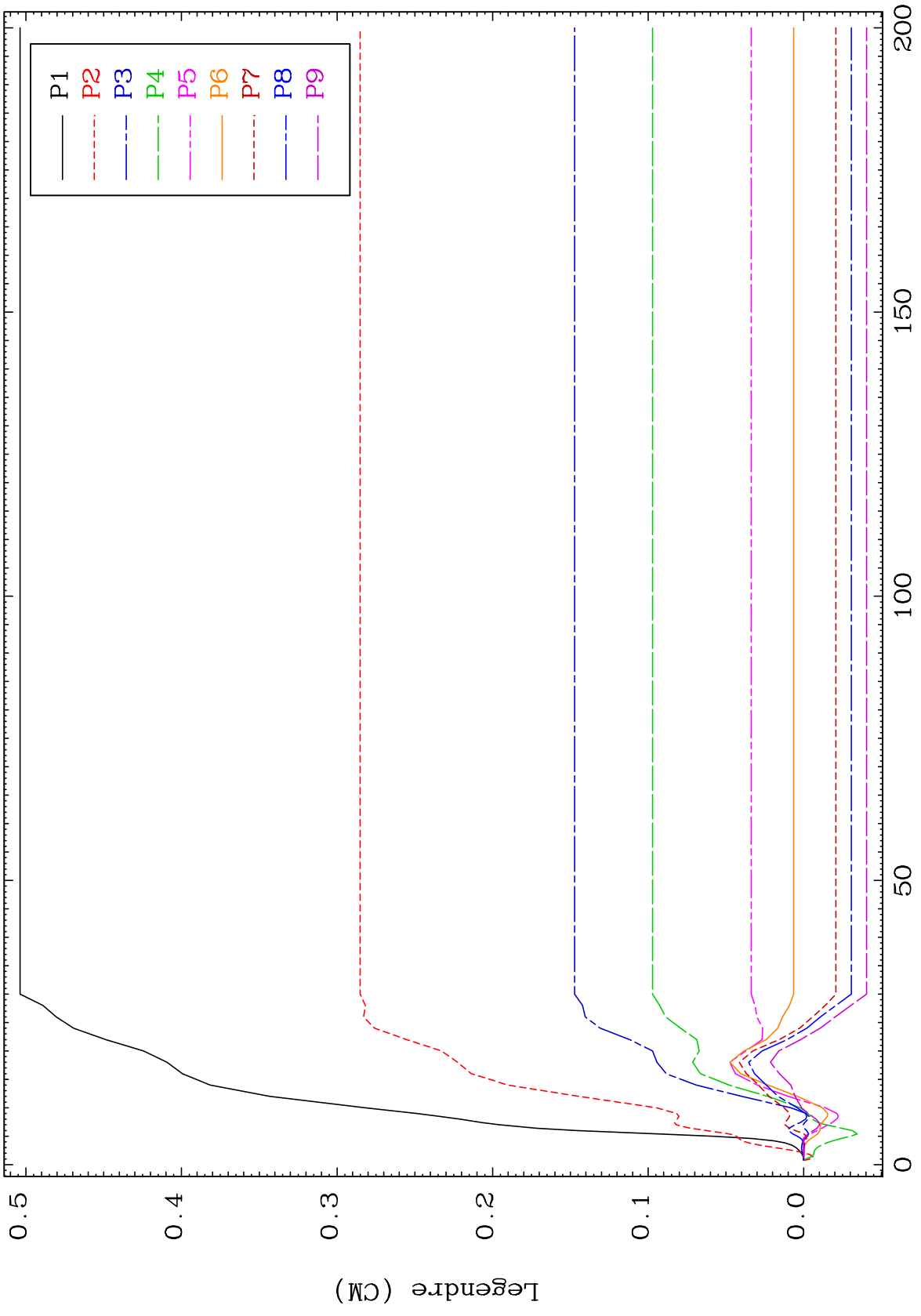
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138

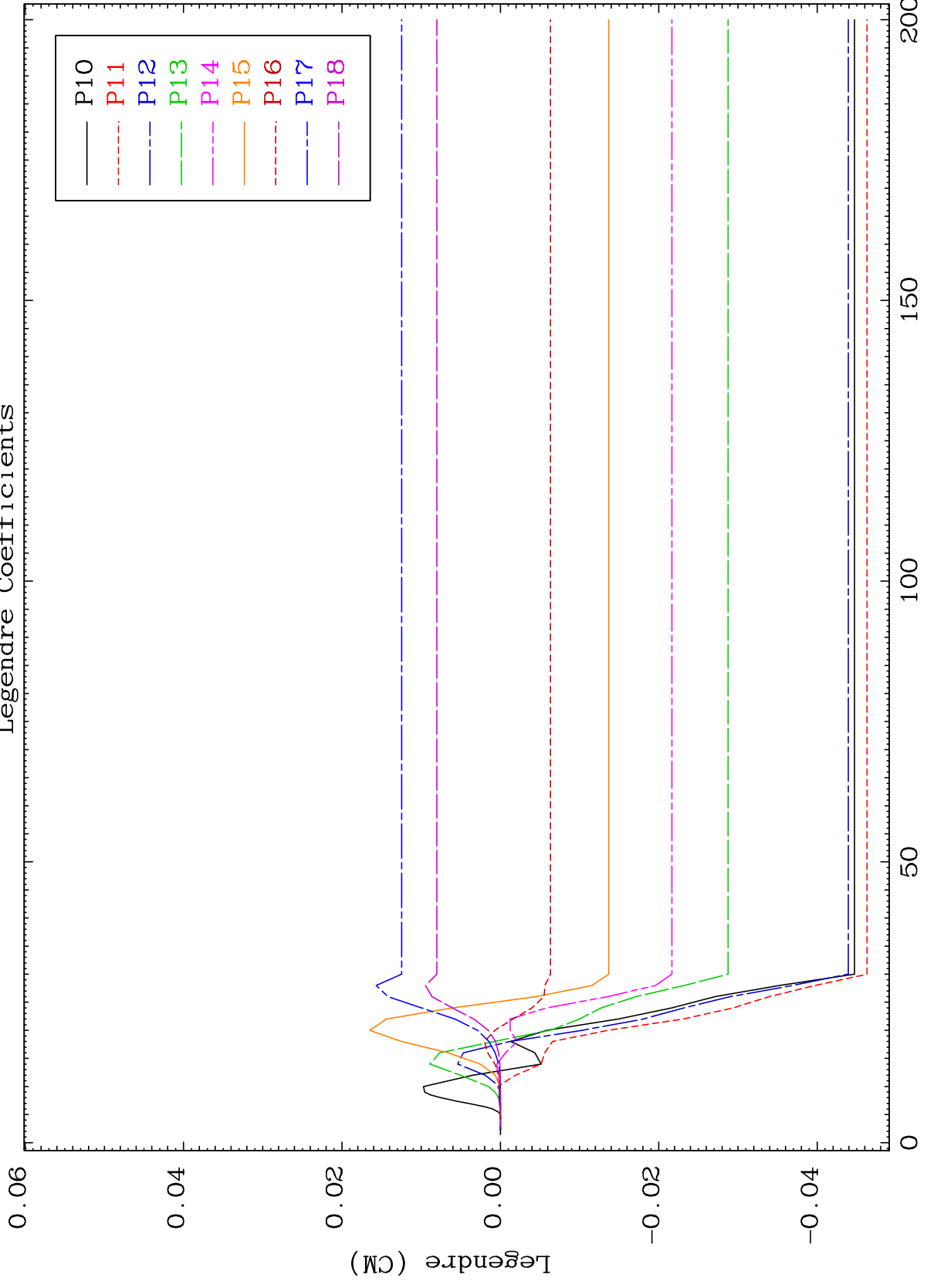


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Incident Energy (MeV)

62-Sm-138

MAT 6207 MT= 52 (n,n') Level Legendre Coefficients 62-Sm-138

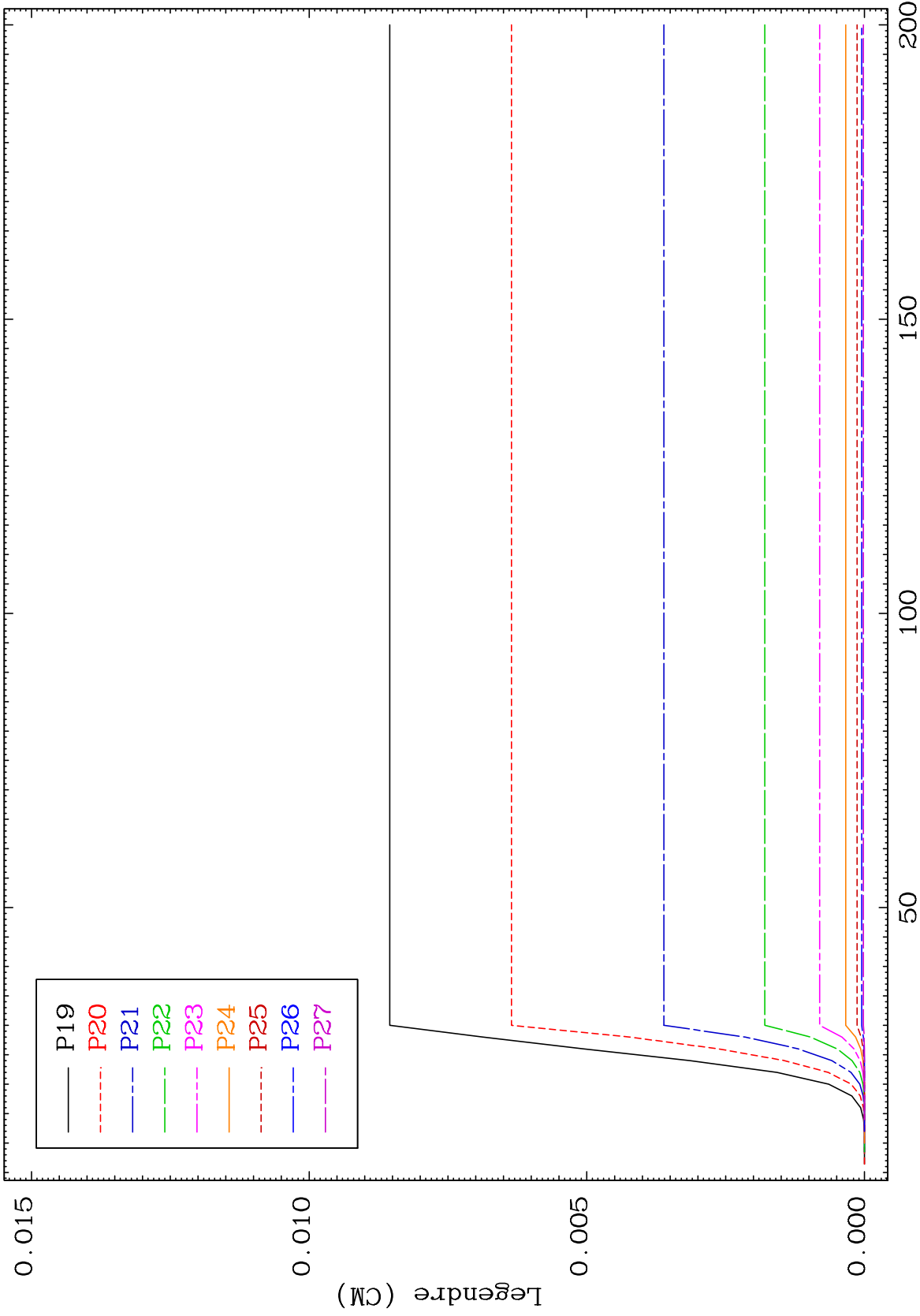


24 62-Sm-138

MAT 6207

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

62-Sm-138



25

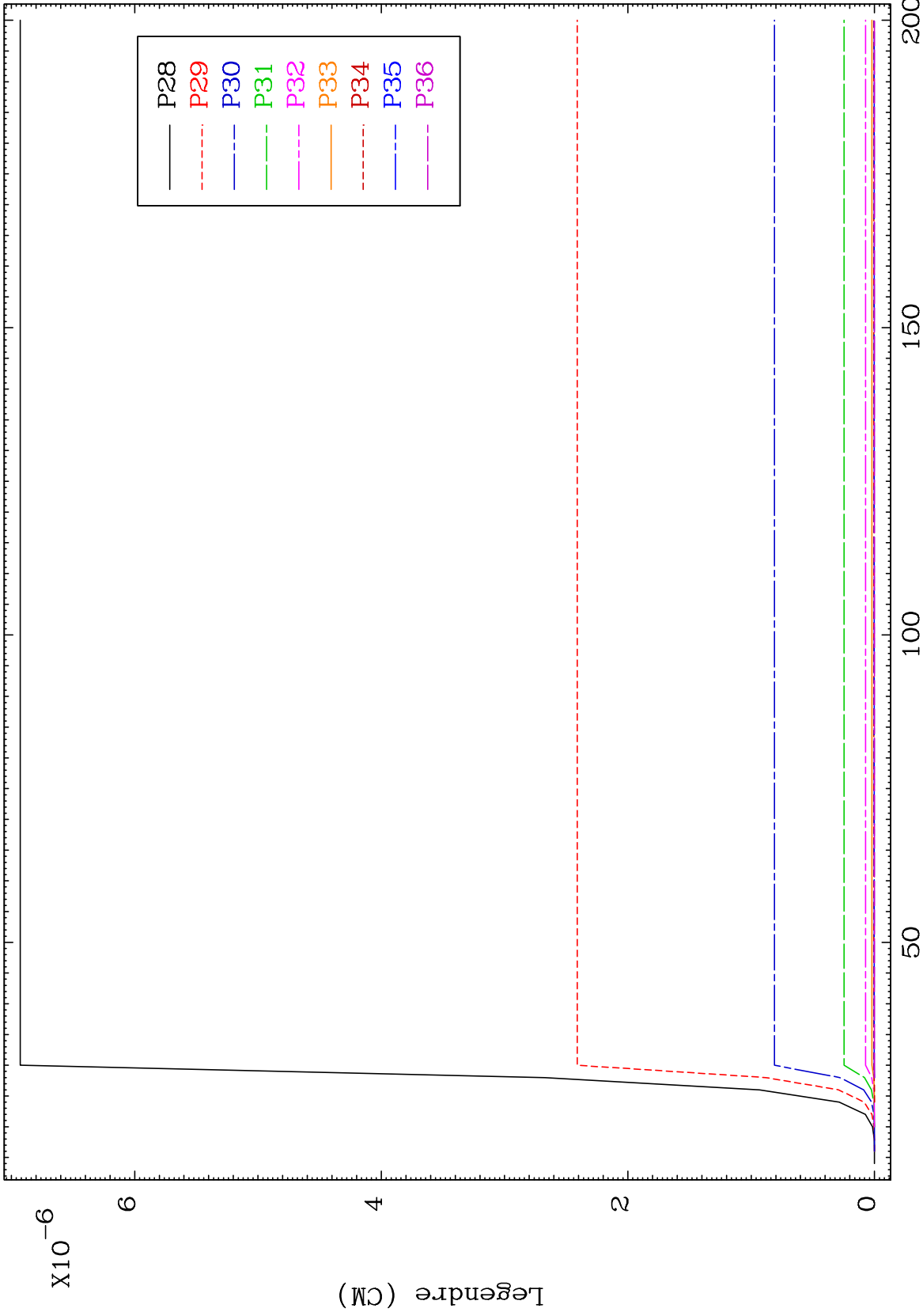
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



26

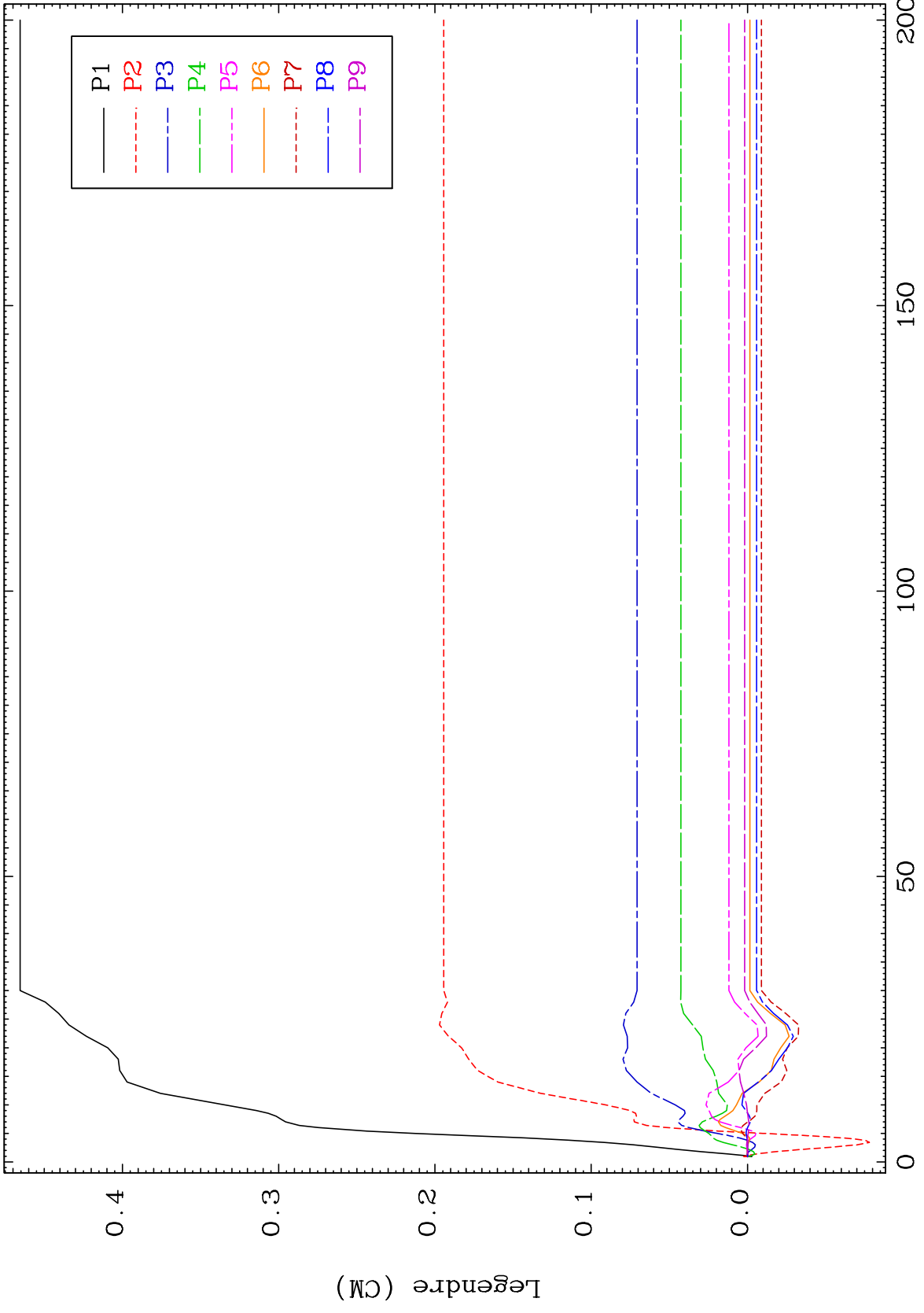
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



27

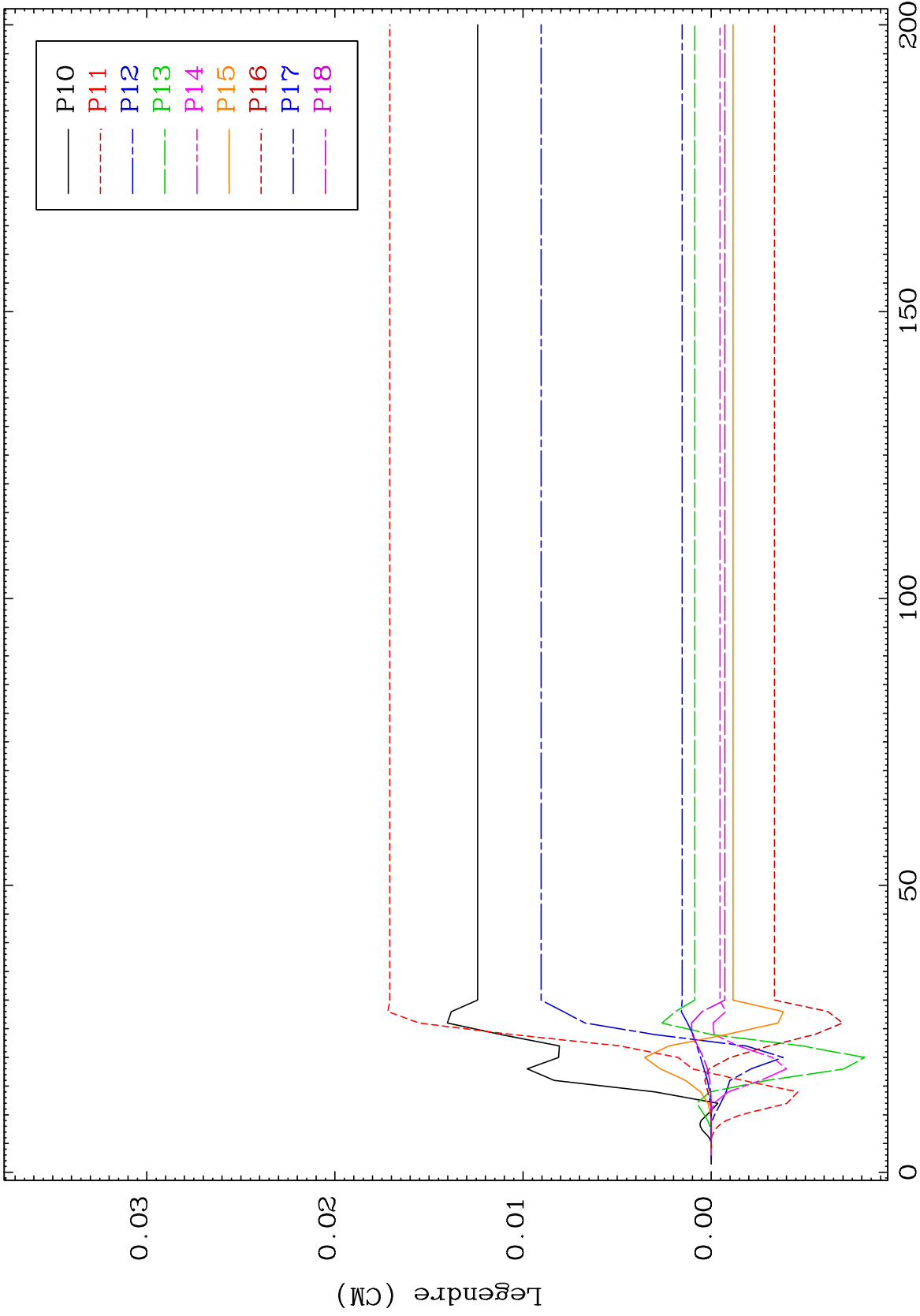
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



28

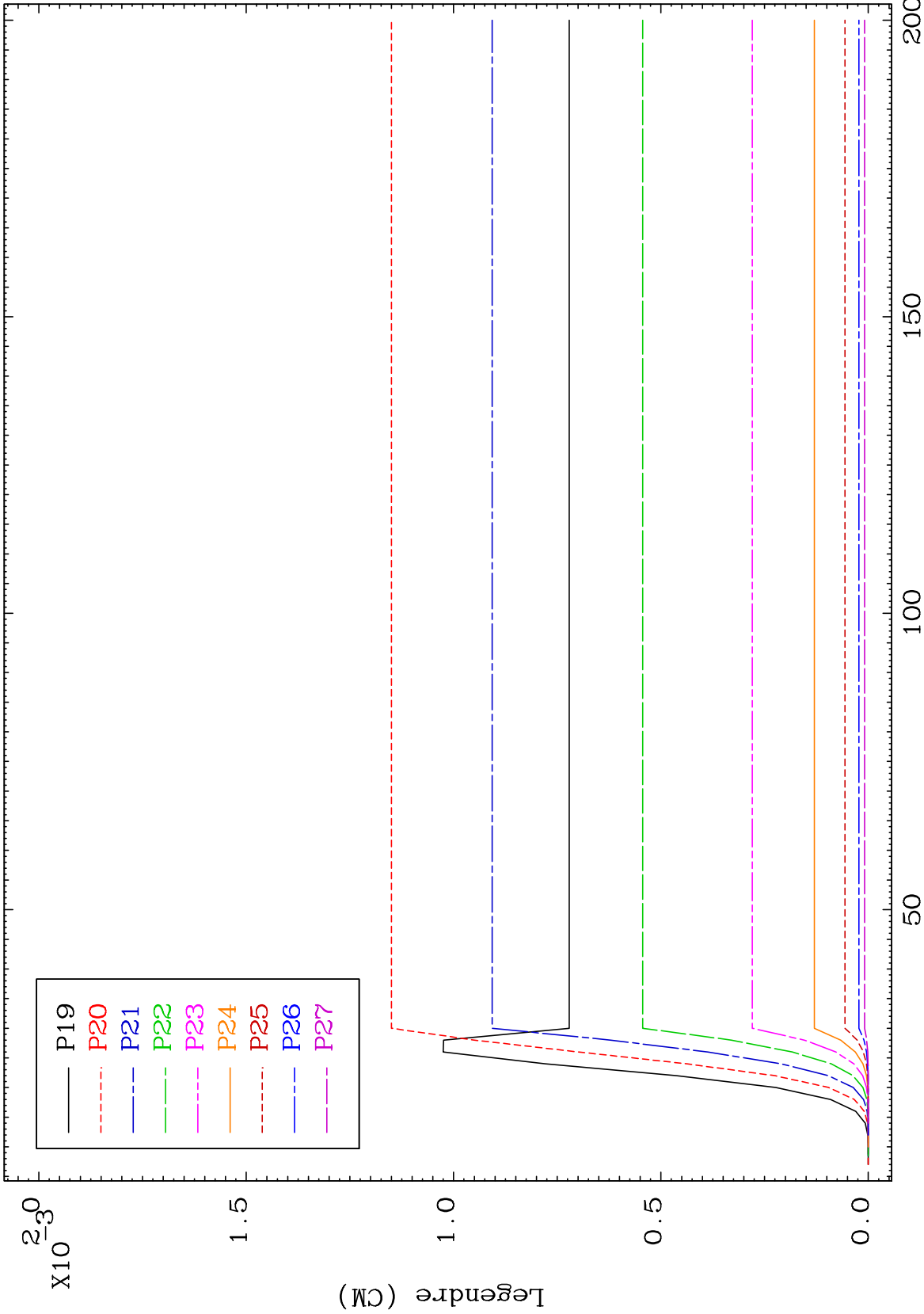
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



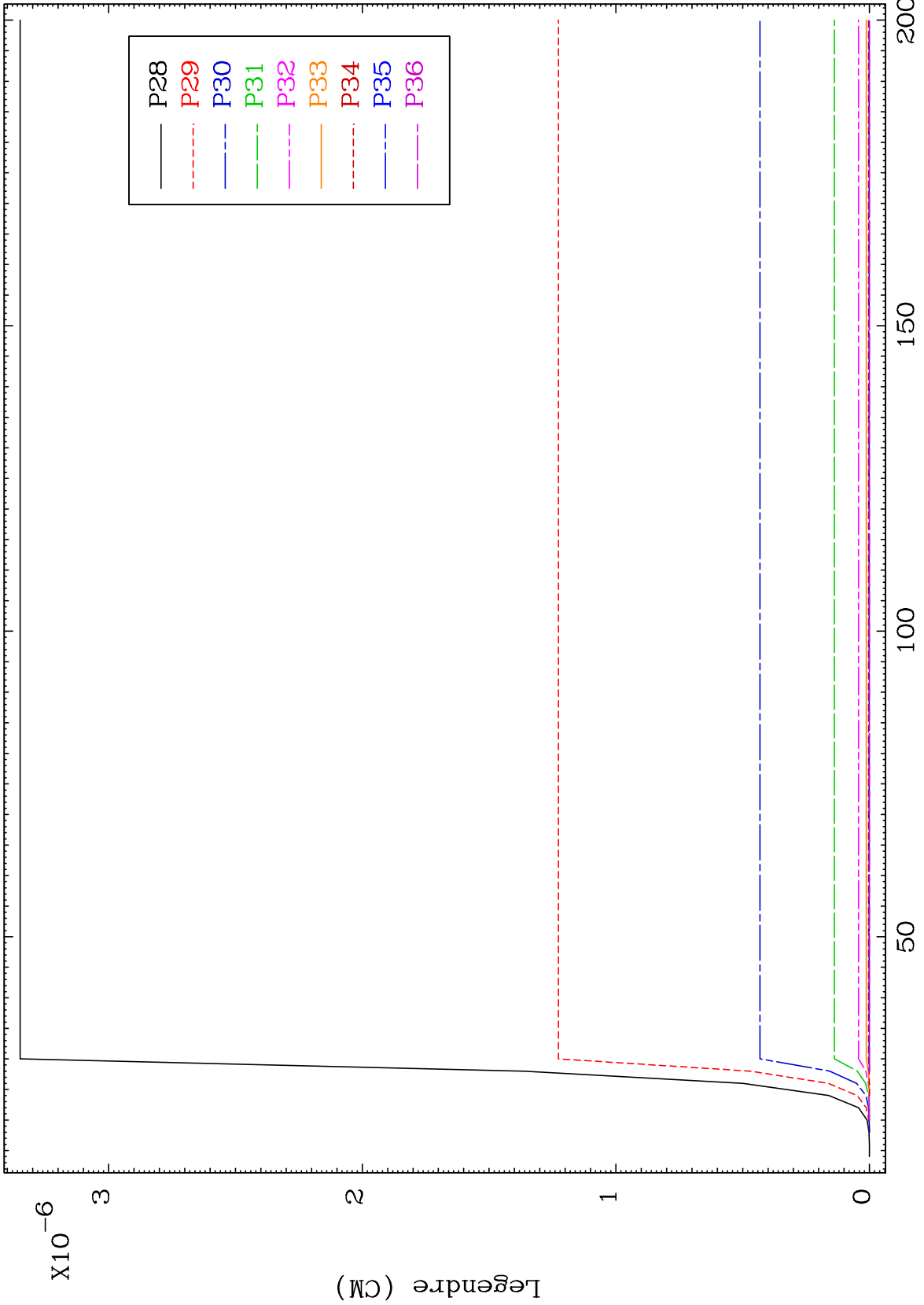
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62-Sm-138

MAT 6207

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

62-Sm-138



30

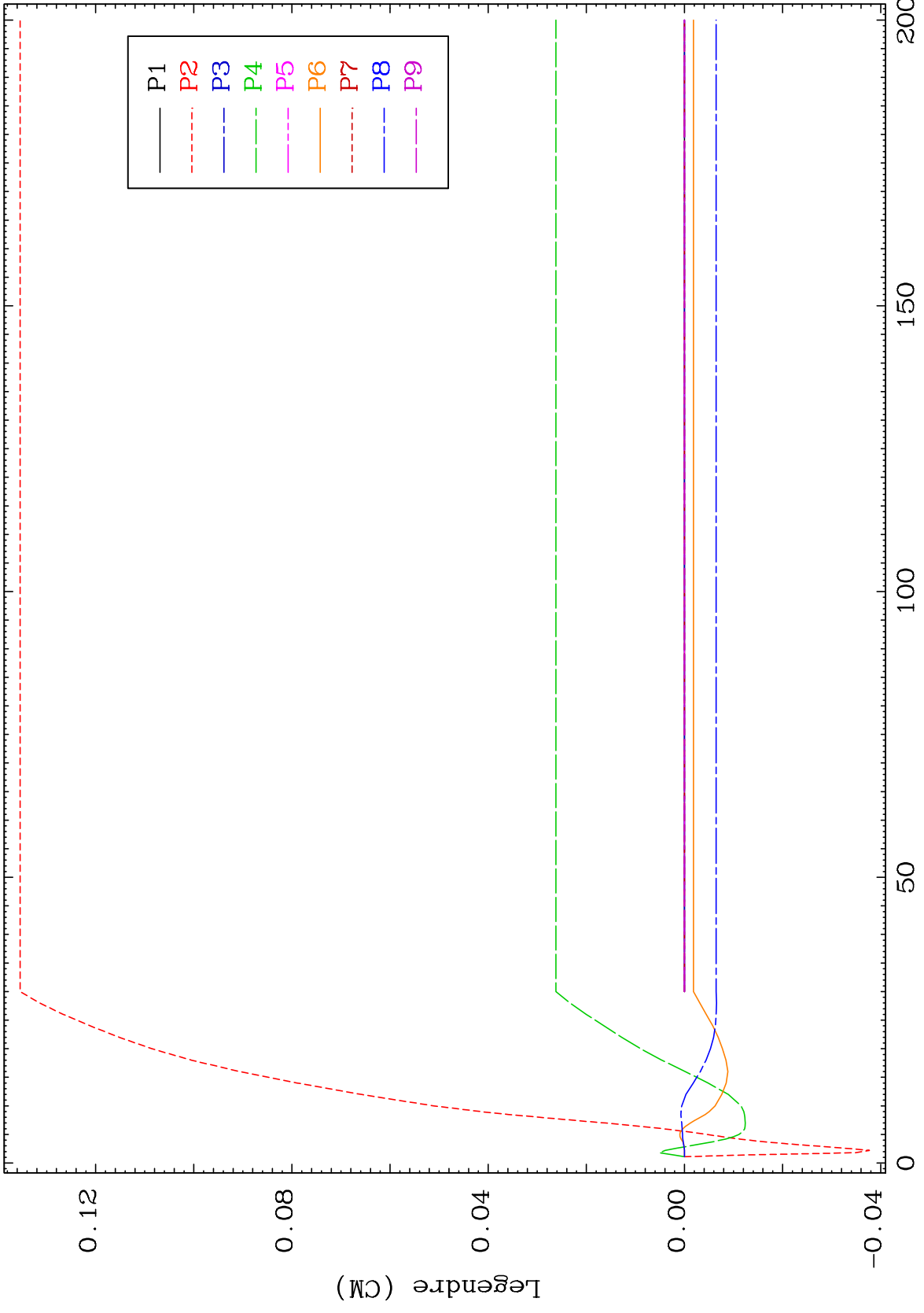
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



31

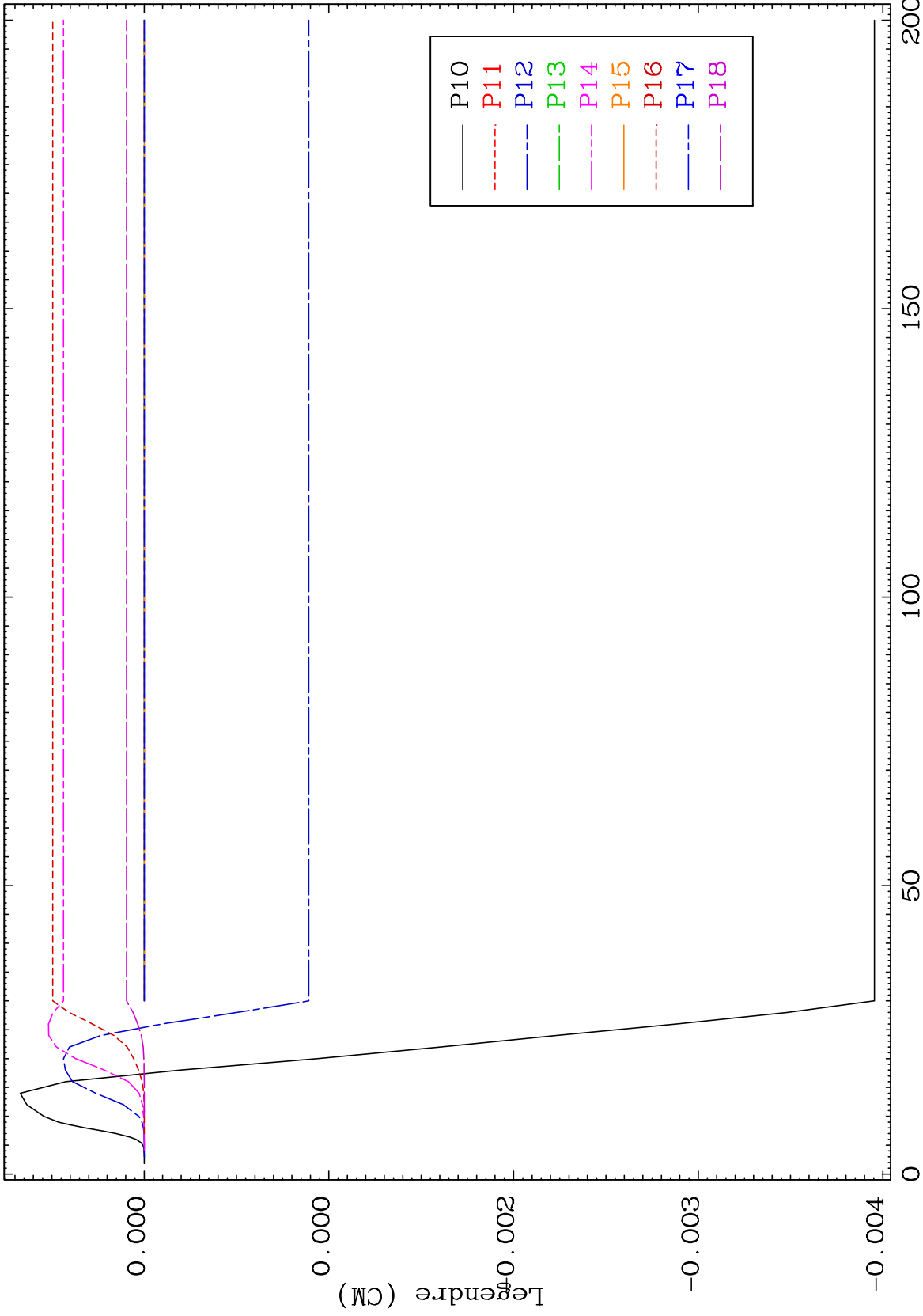
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



32

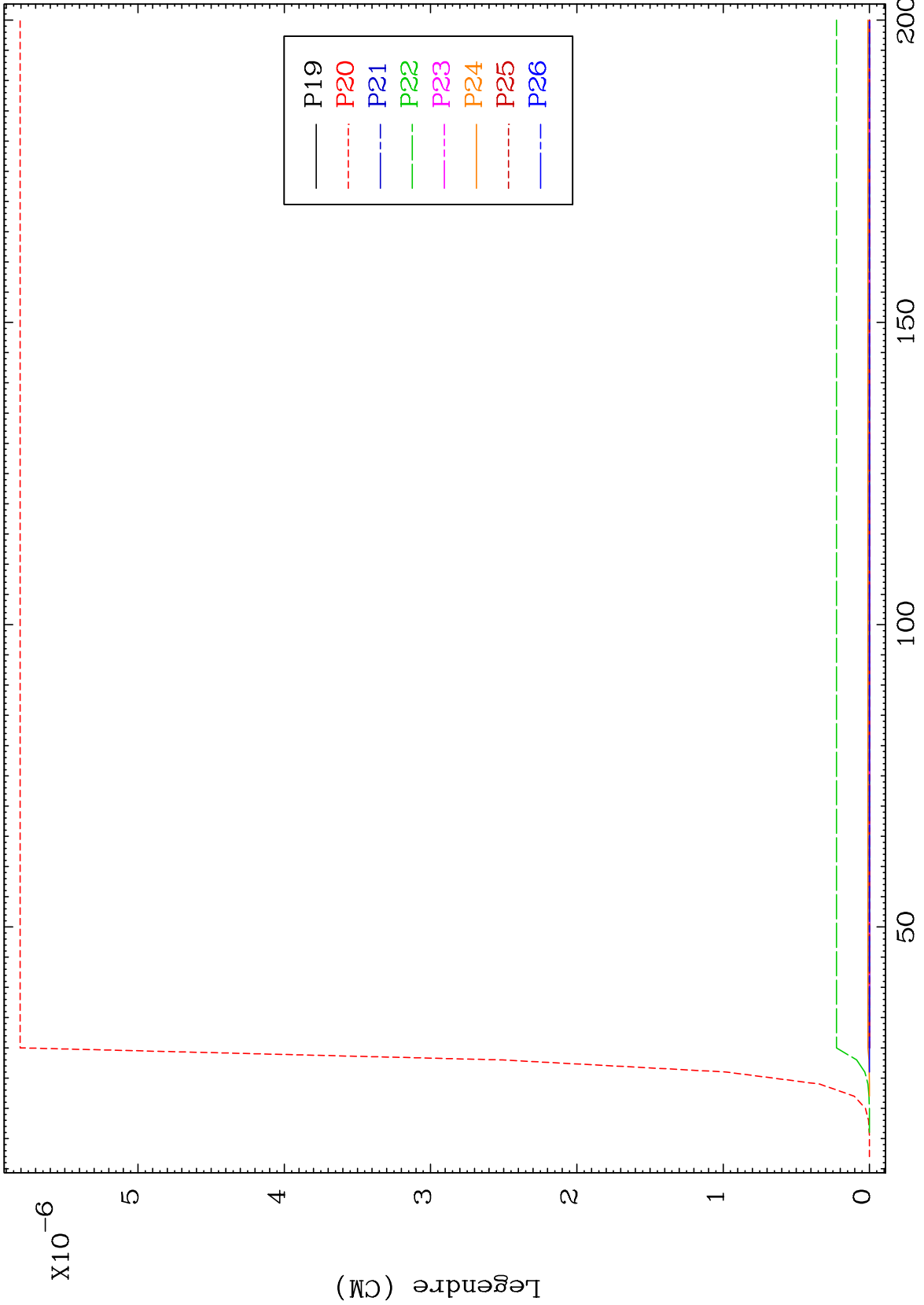
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



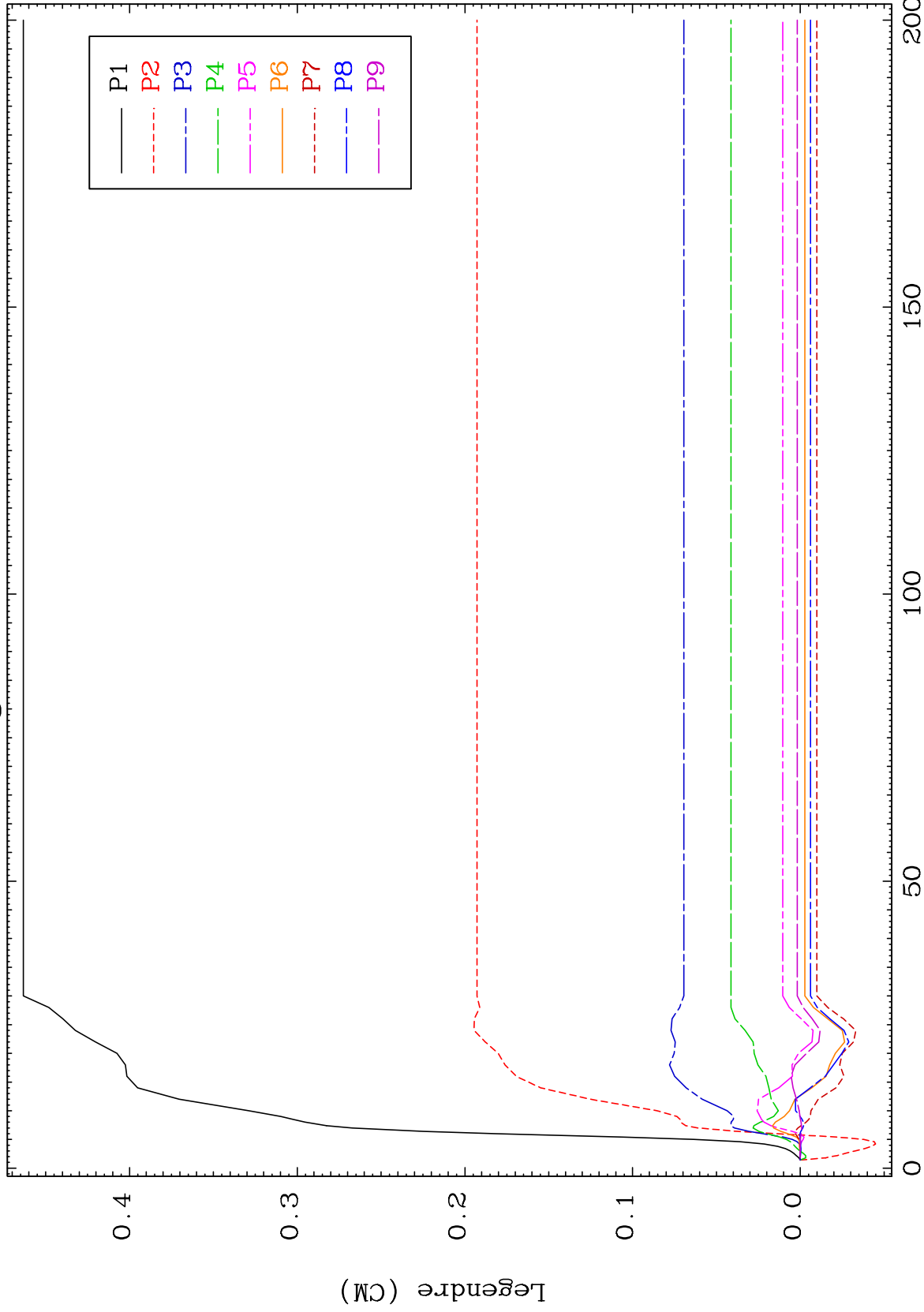
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62-Sm-138

MAT 6207

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

62-Sm-138



34

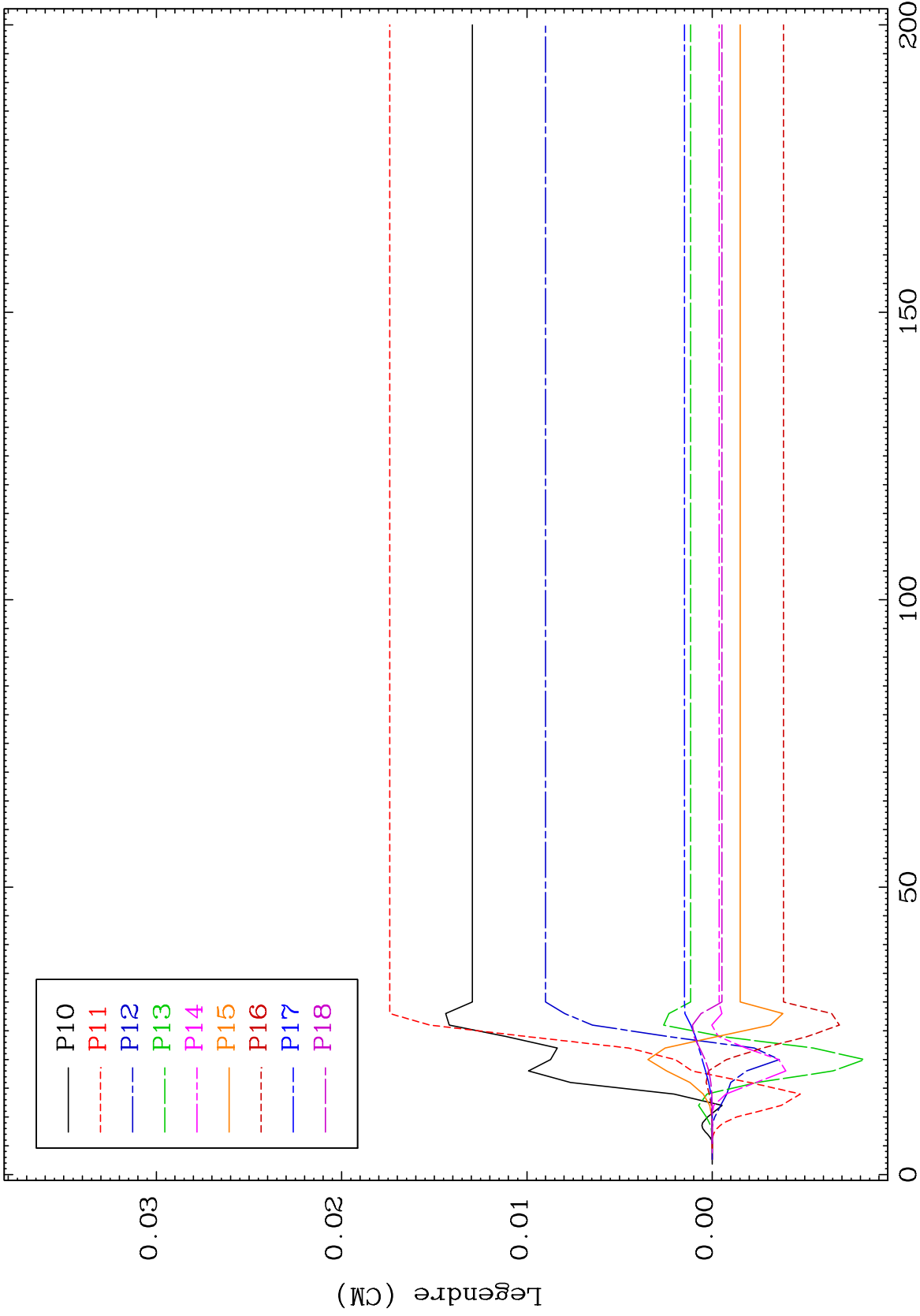
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



35

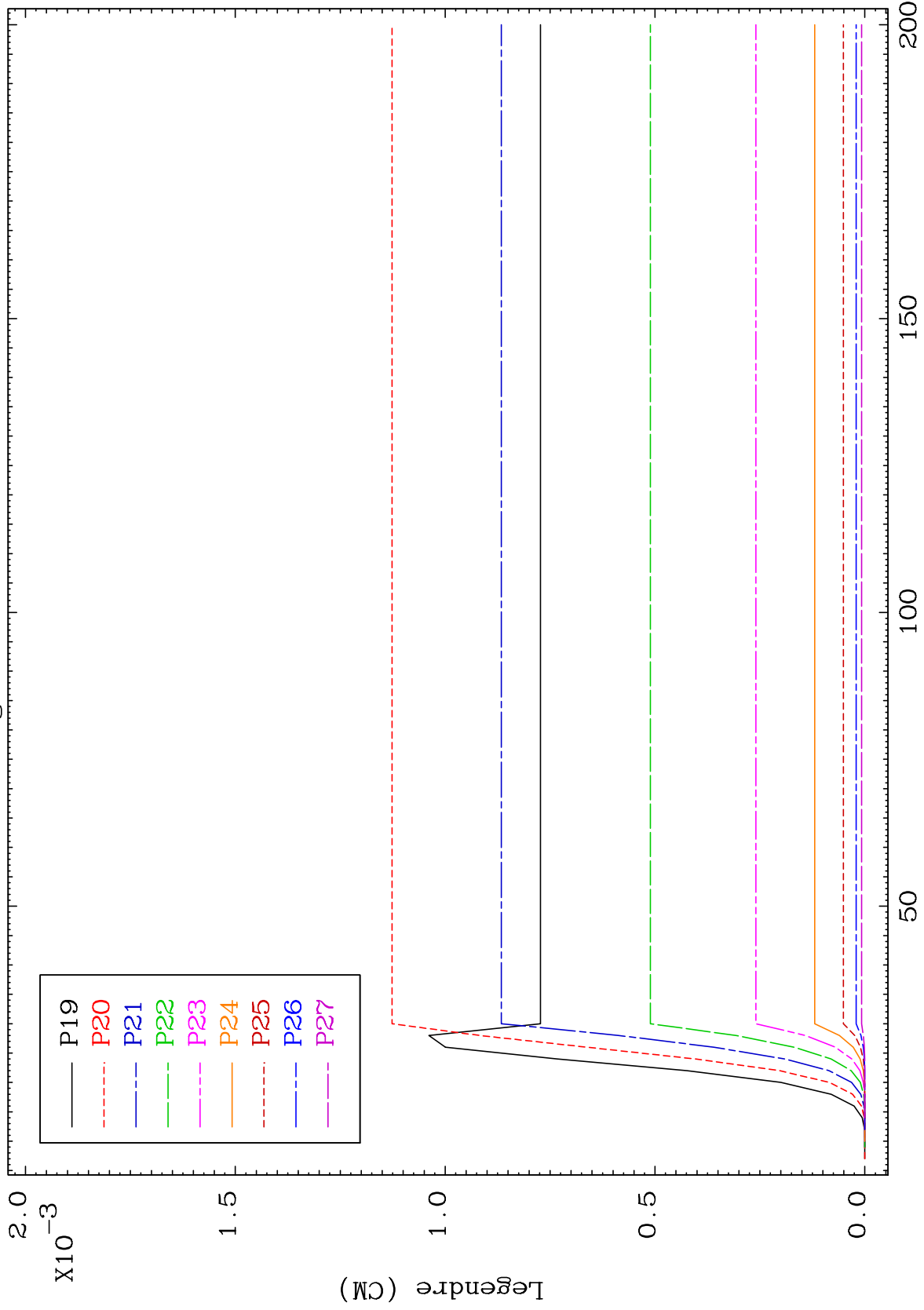
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



36

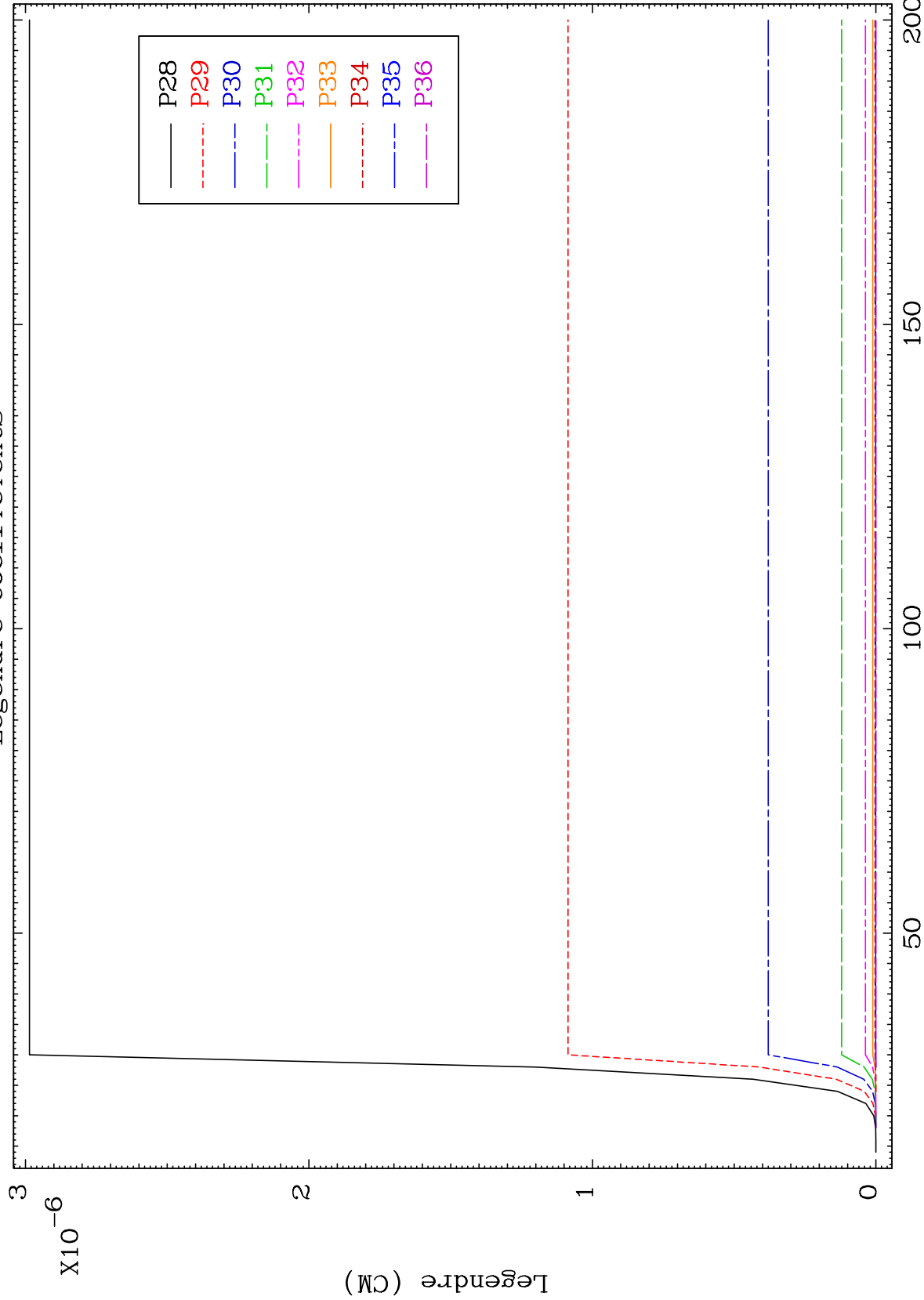
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



37

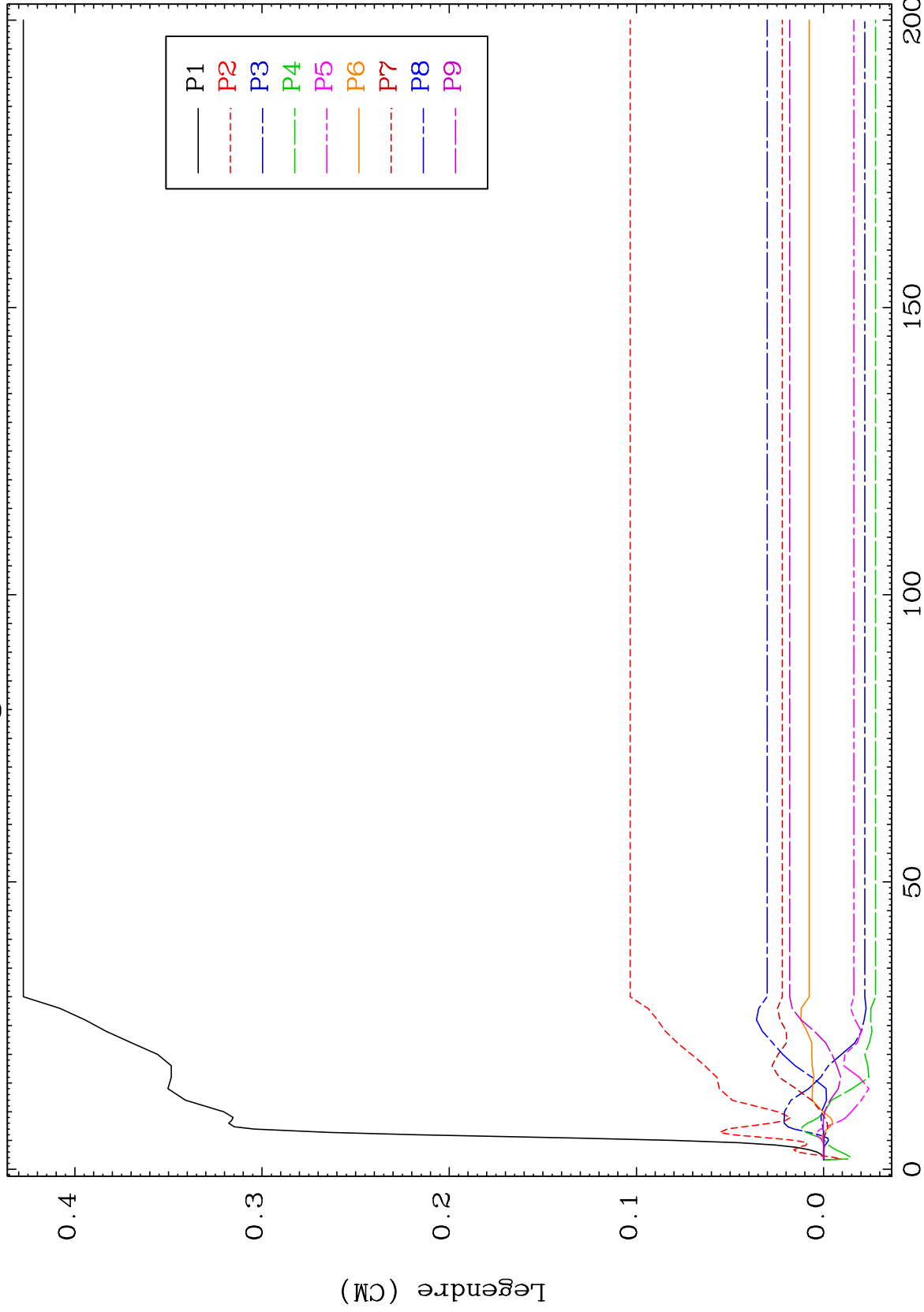
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



38

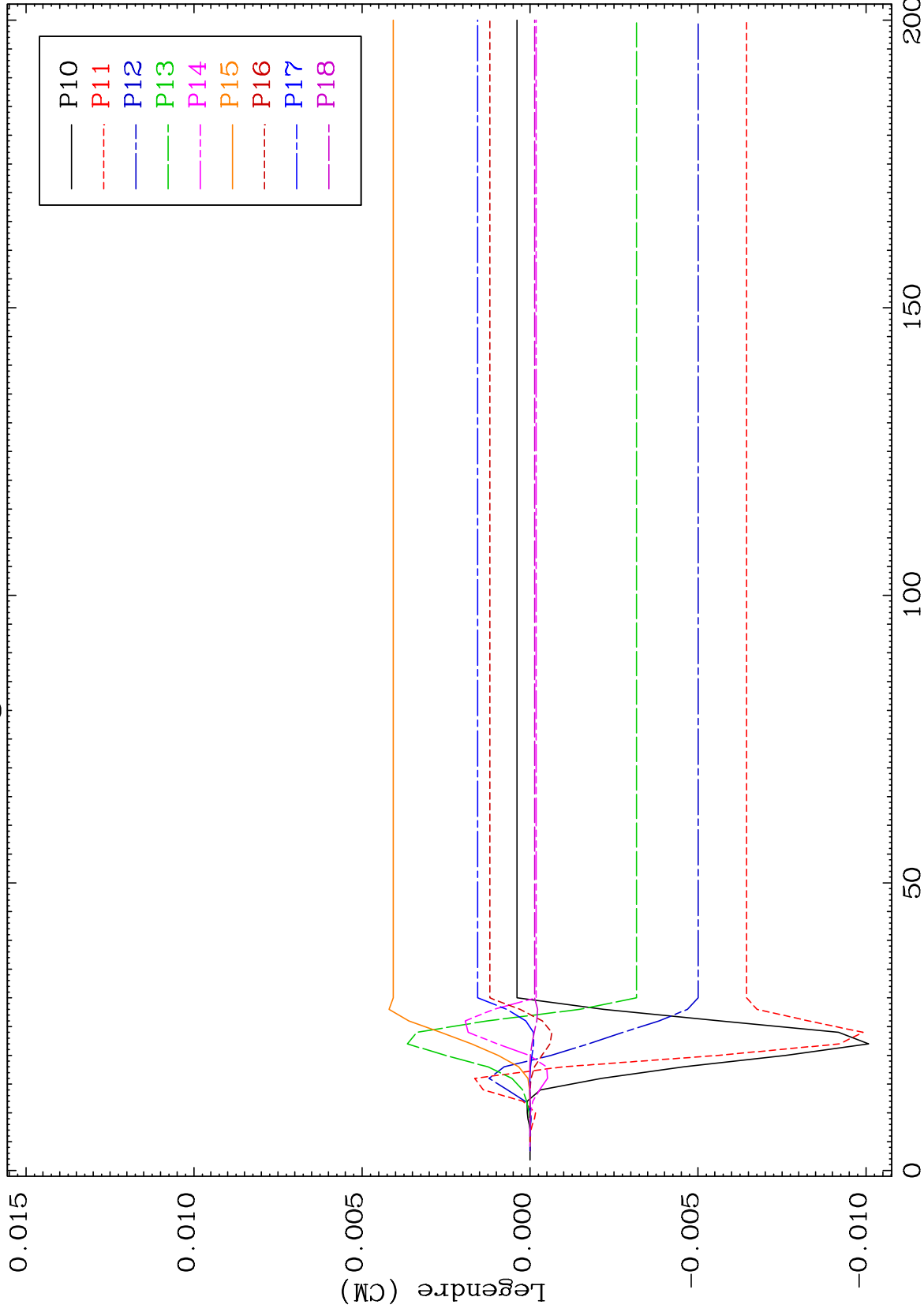
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



39

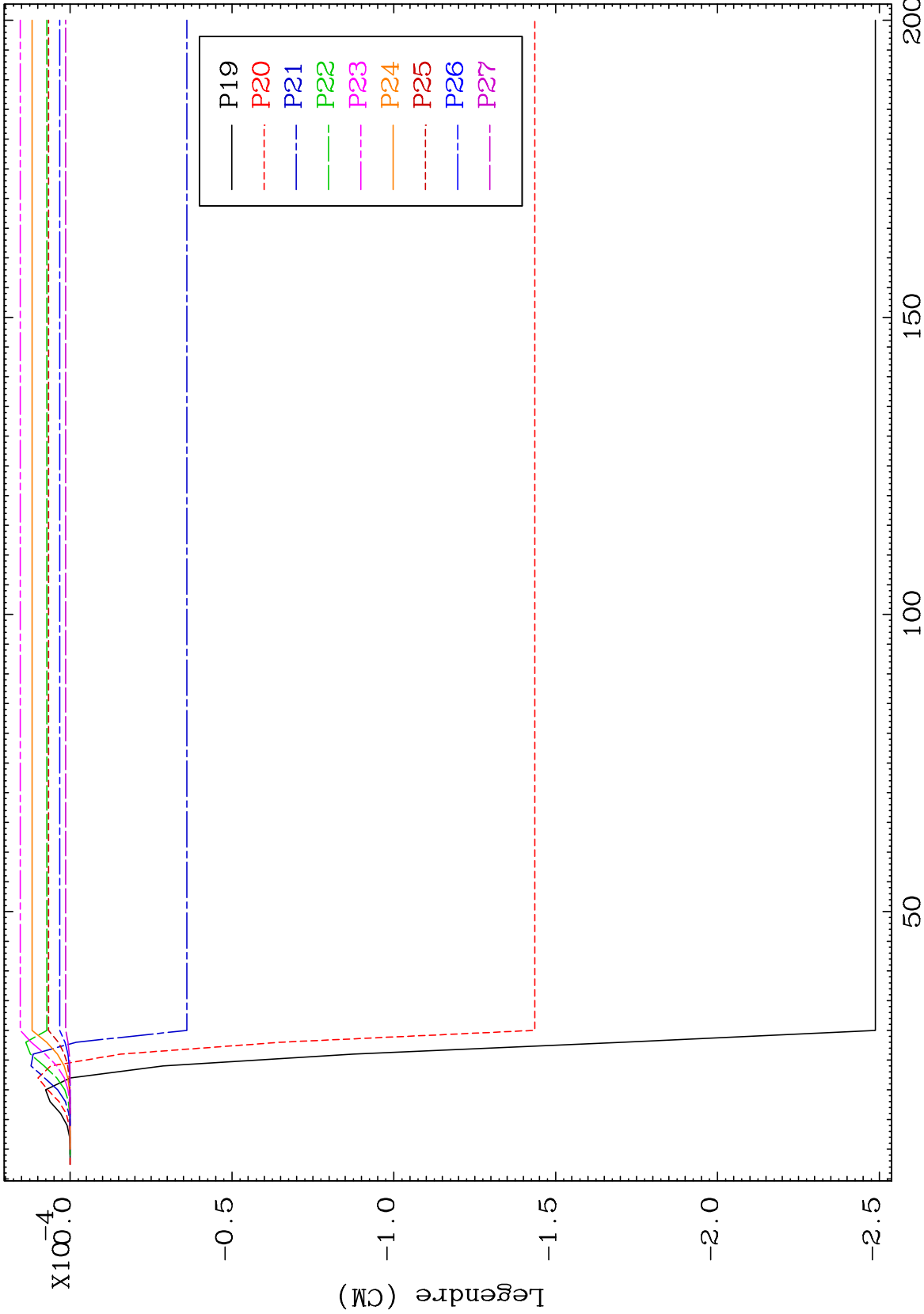
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



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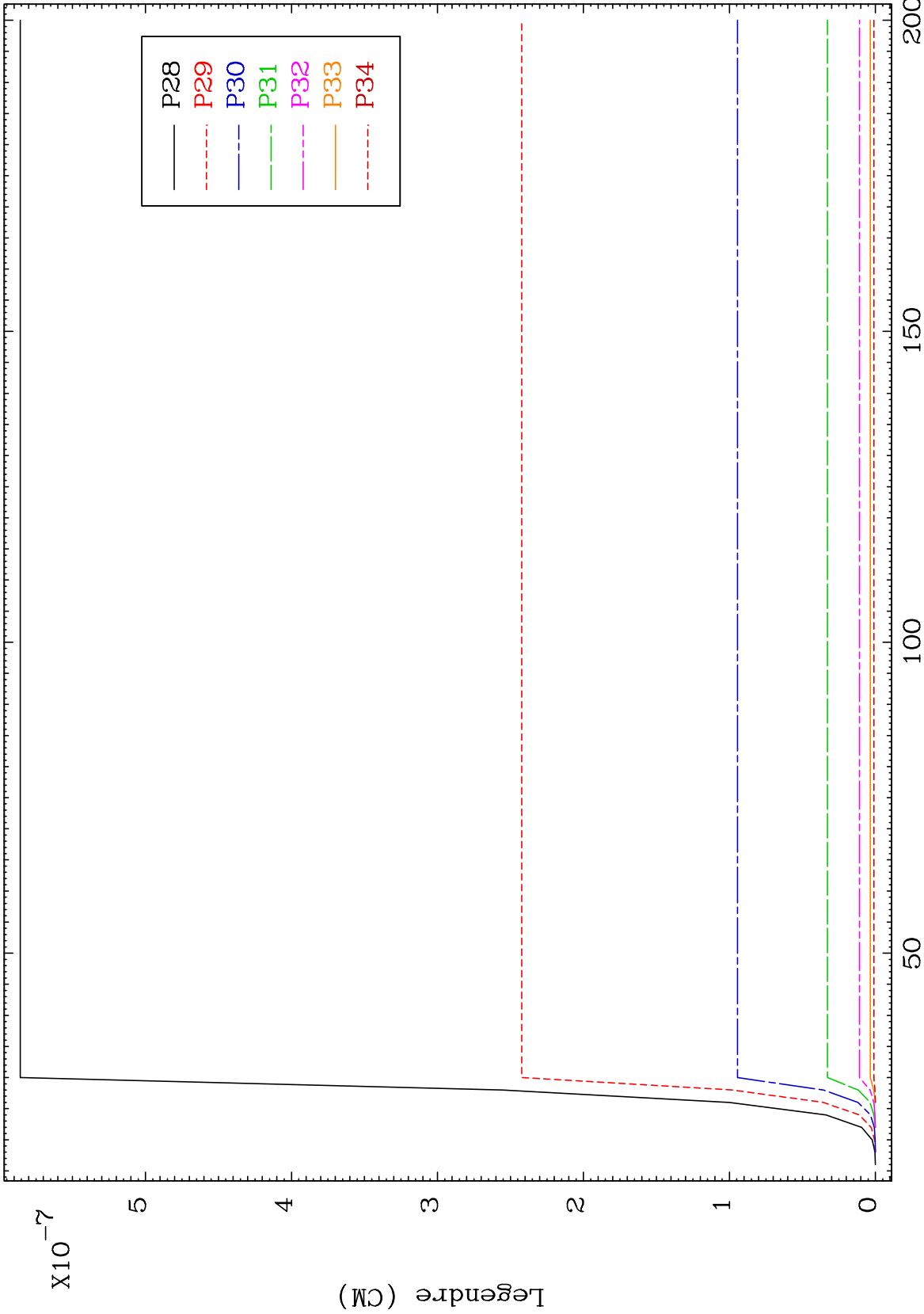
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



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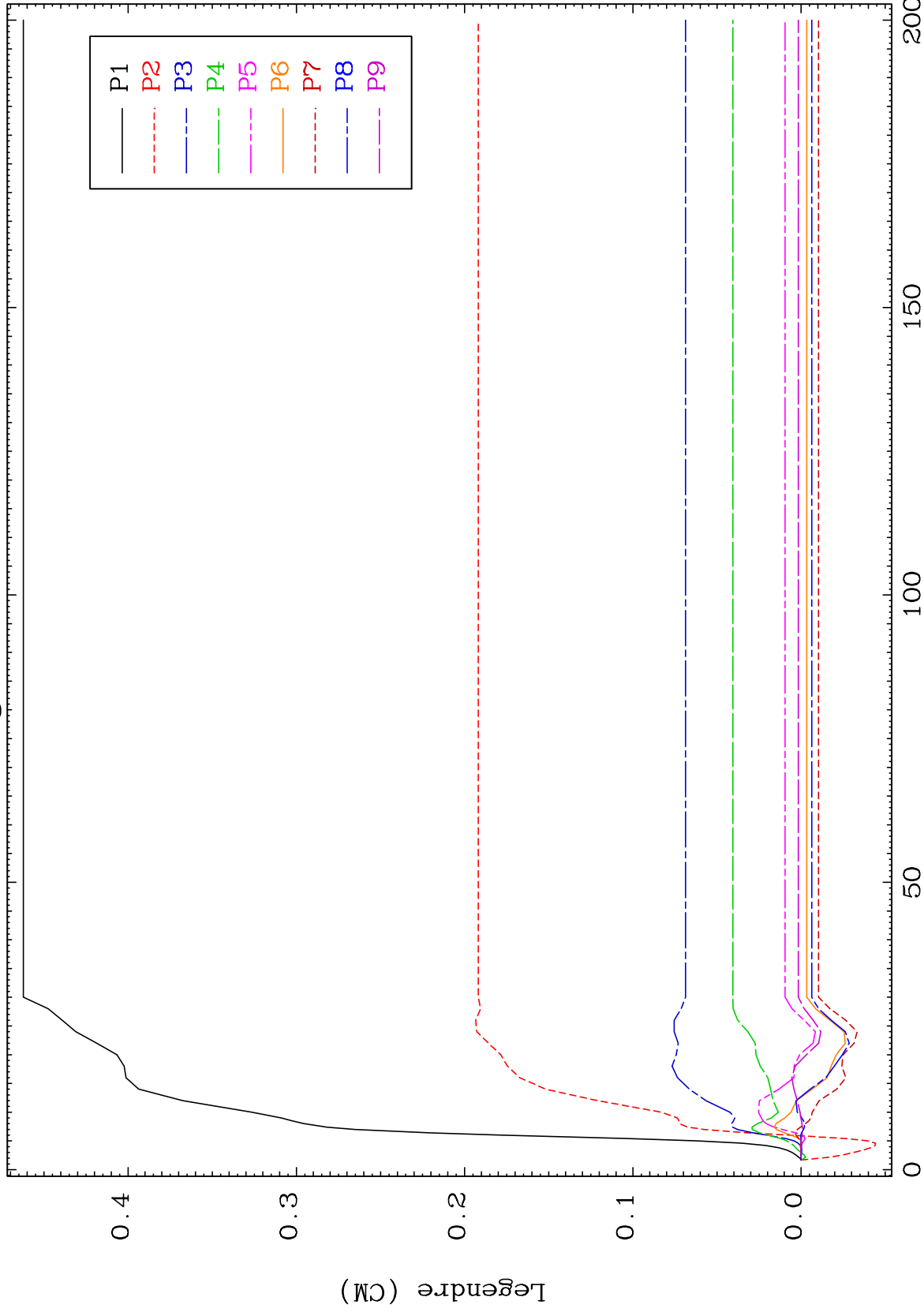
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



42

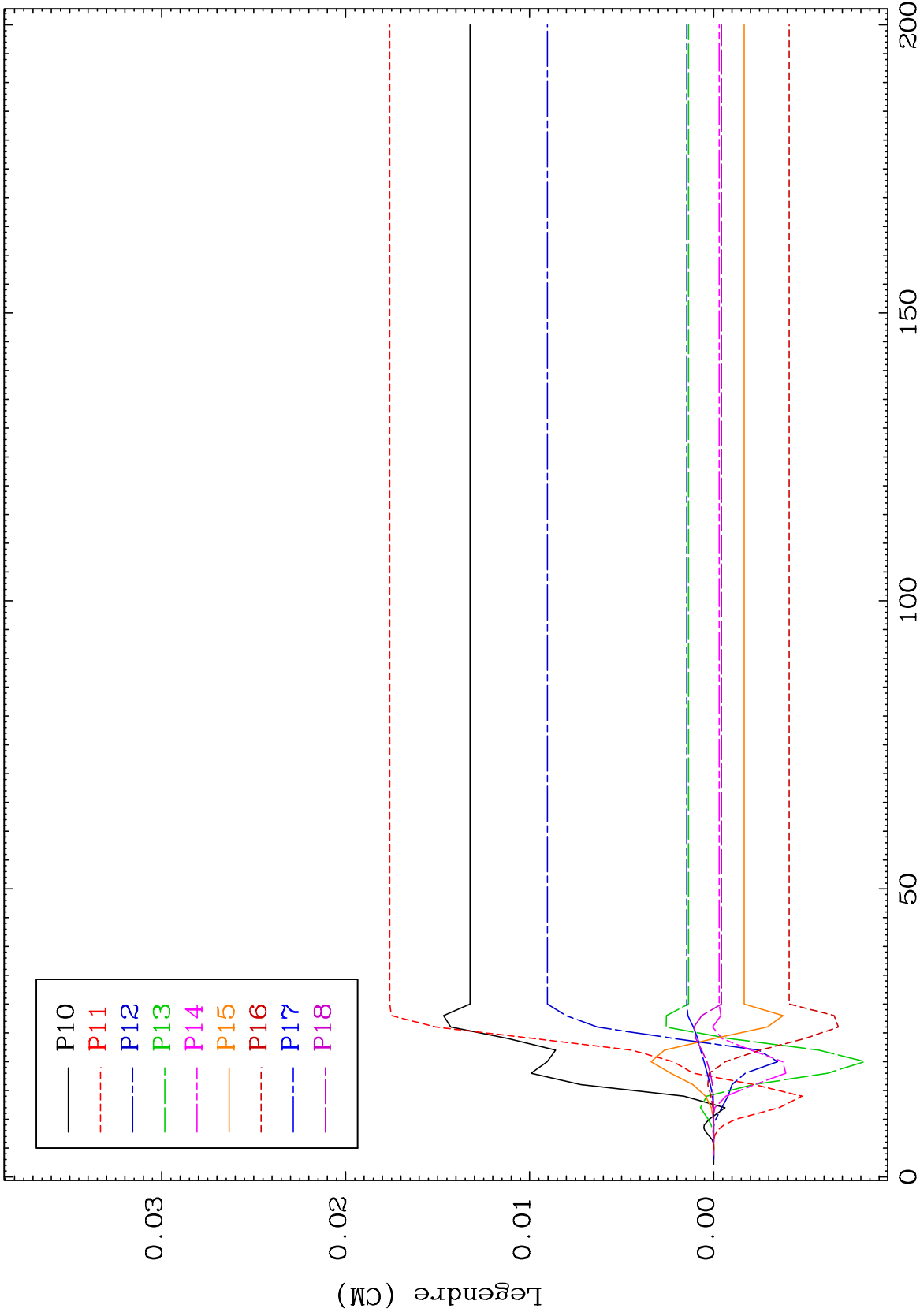
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



43

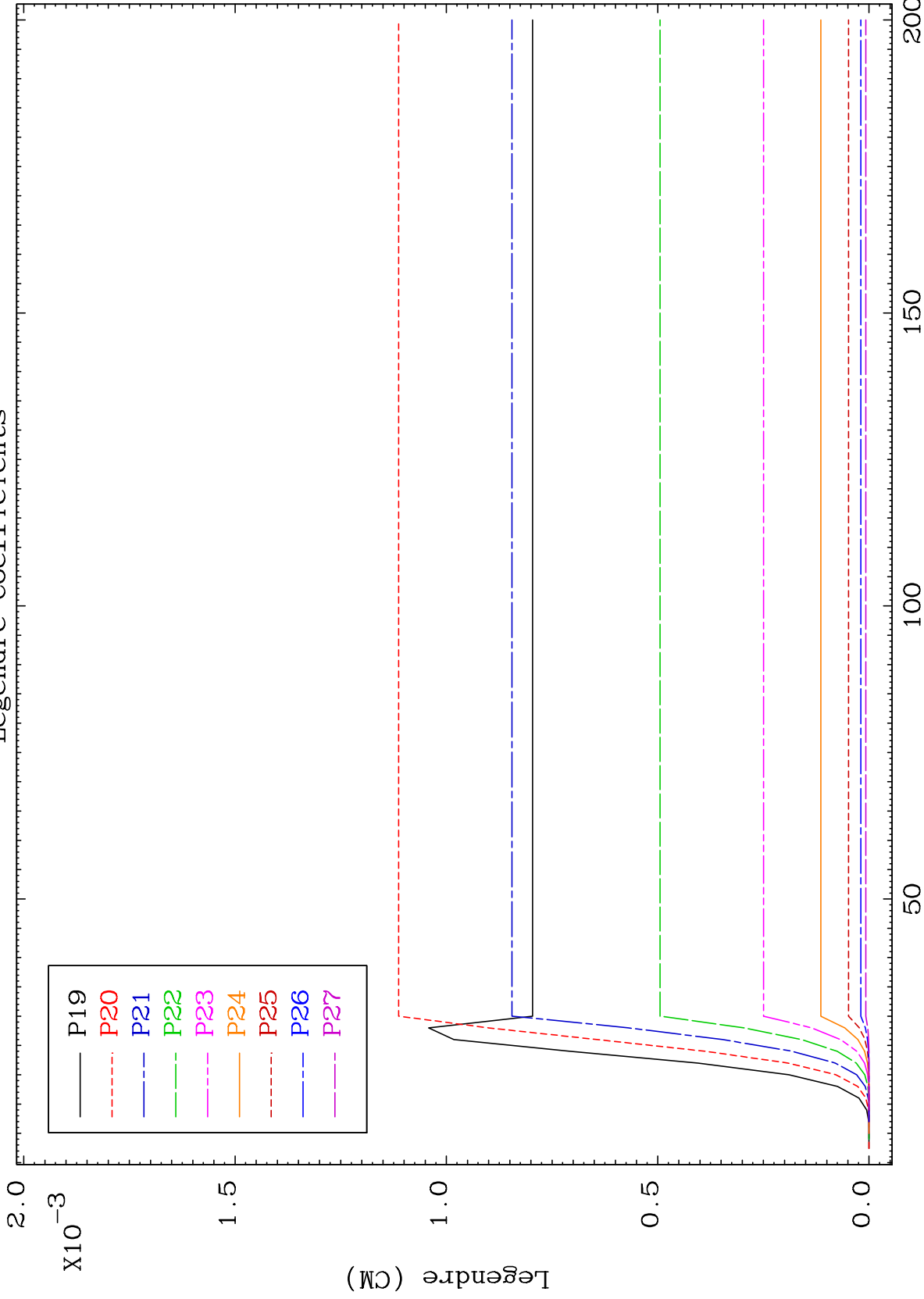
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



44

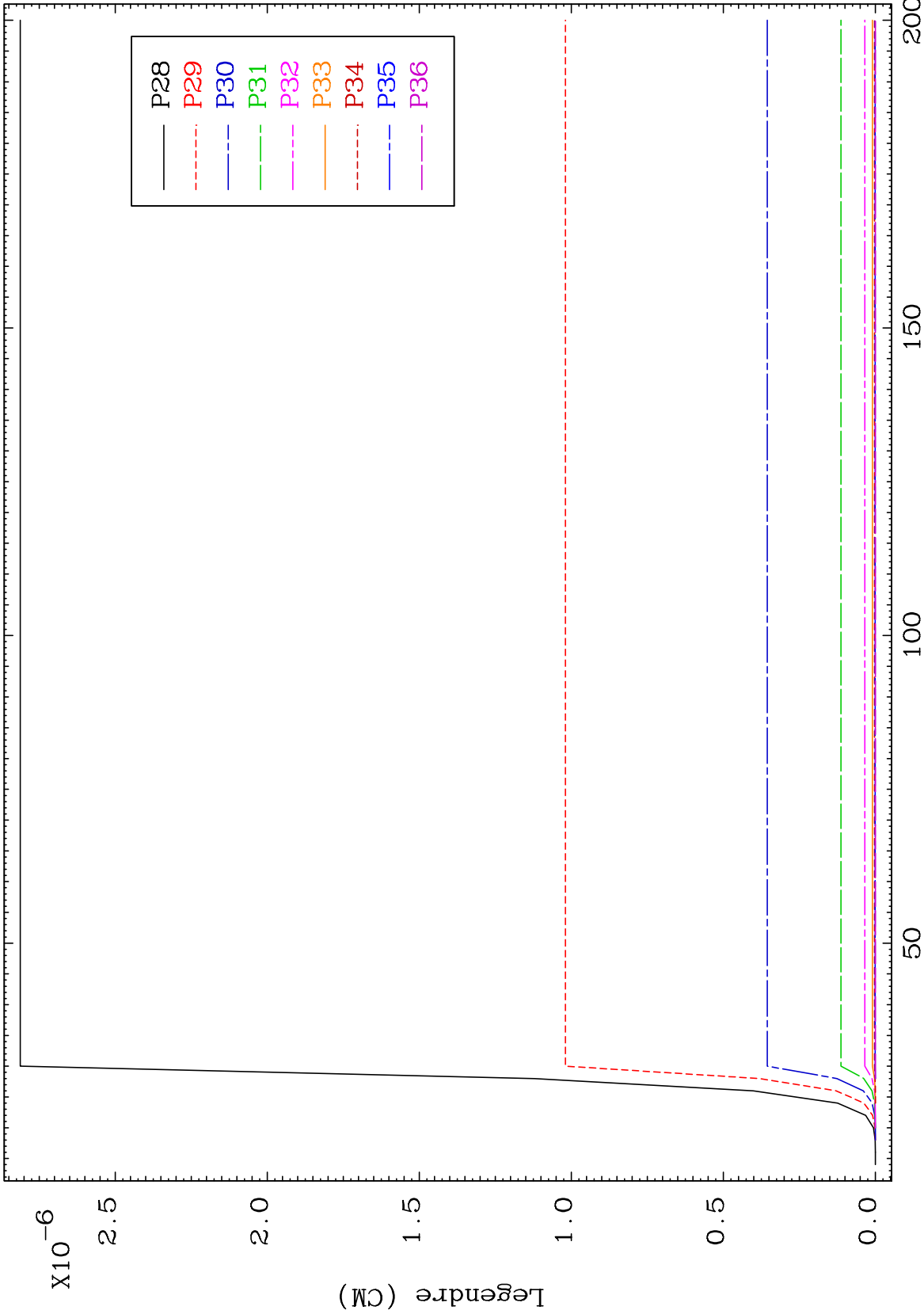
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138

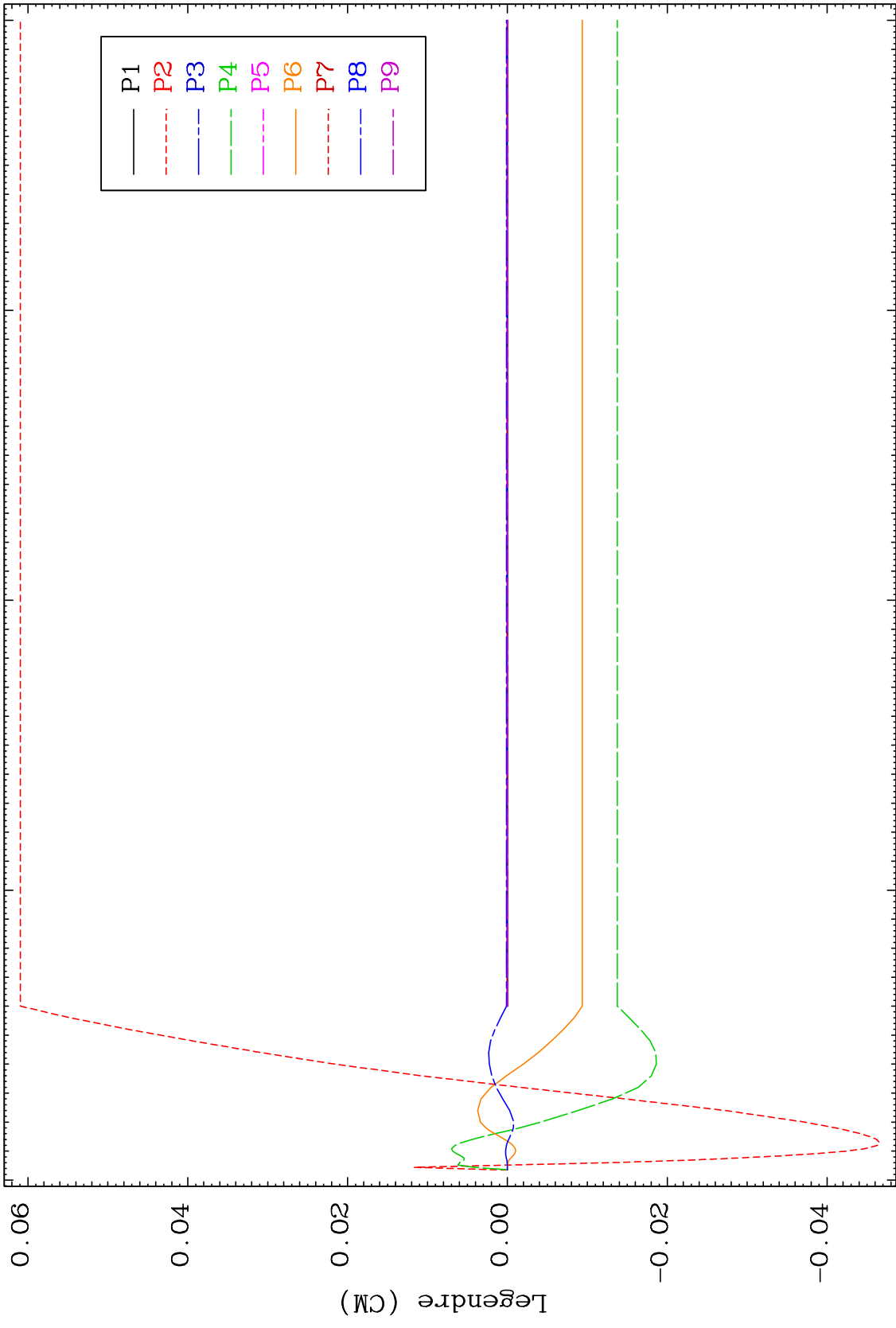


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Incident Energy (MeV)

62-Sm-138

MAT 6207 MT= 58 (n,n') Level Legendre Coefficients 62-Sm-138

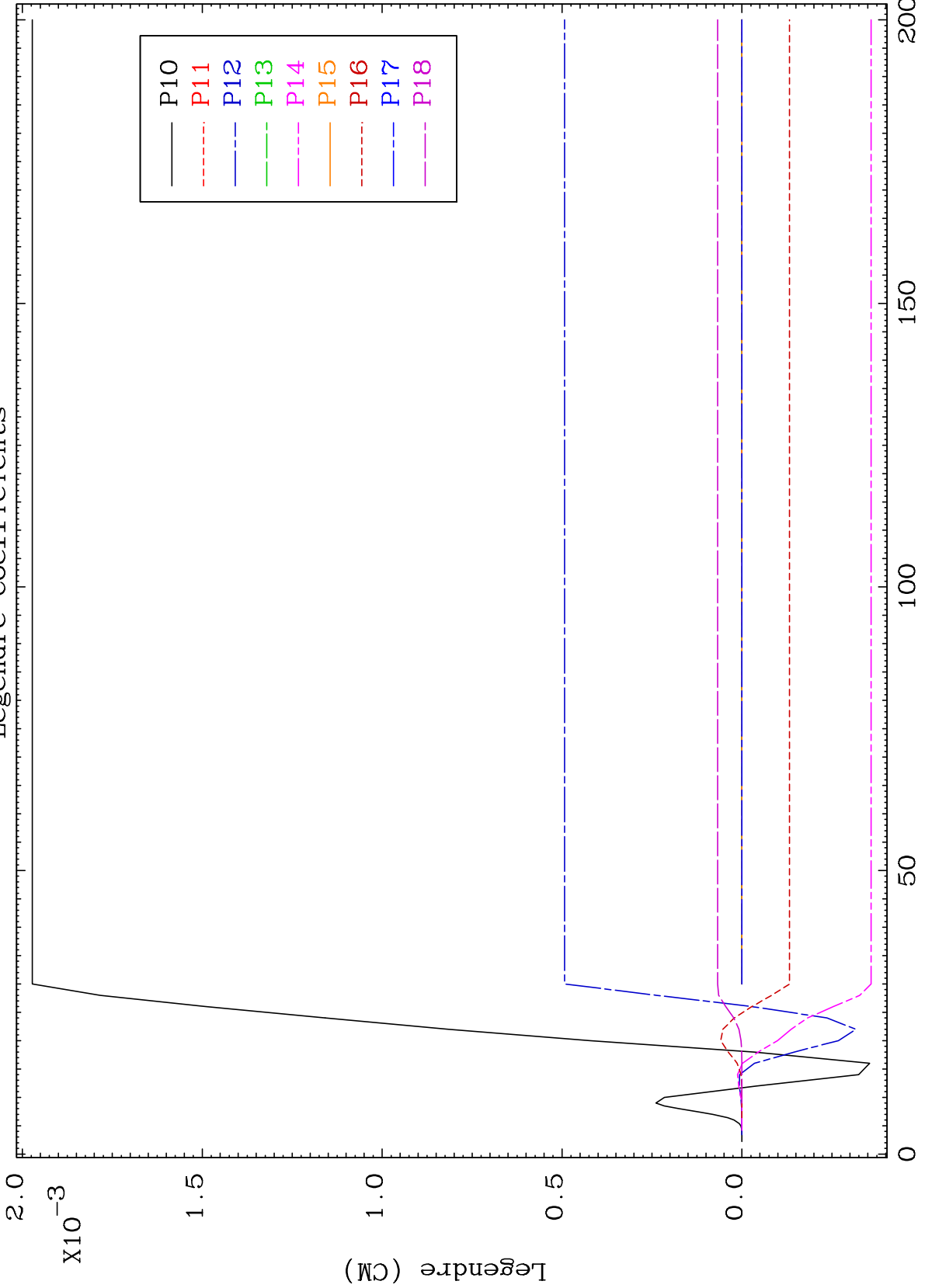


46 Incident Energy (MeV) 62-Sm-138

MAT 6207

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

62-Sm-138



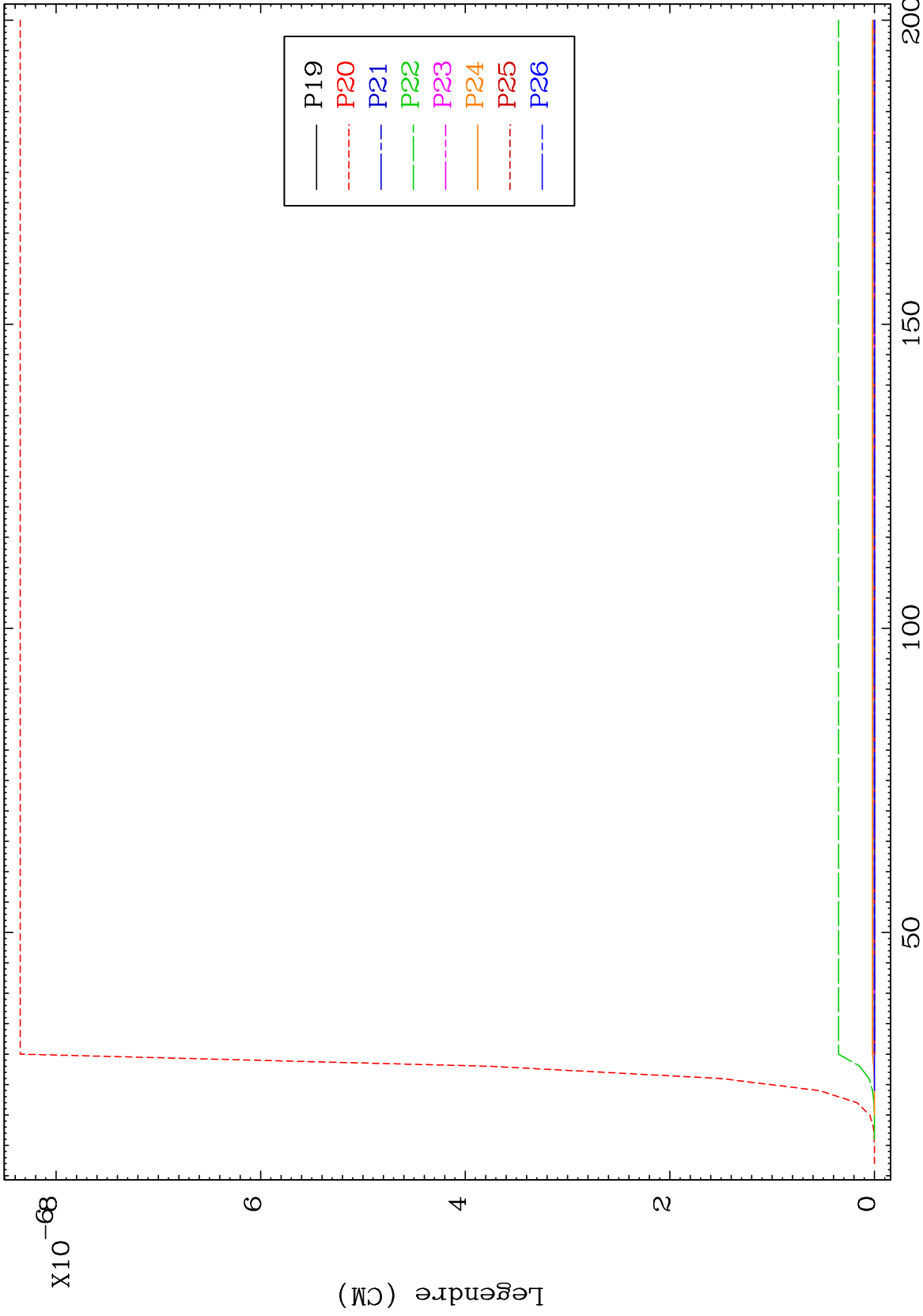
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62-Sm-138

MAT 6207

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

62-Sm-138



48

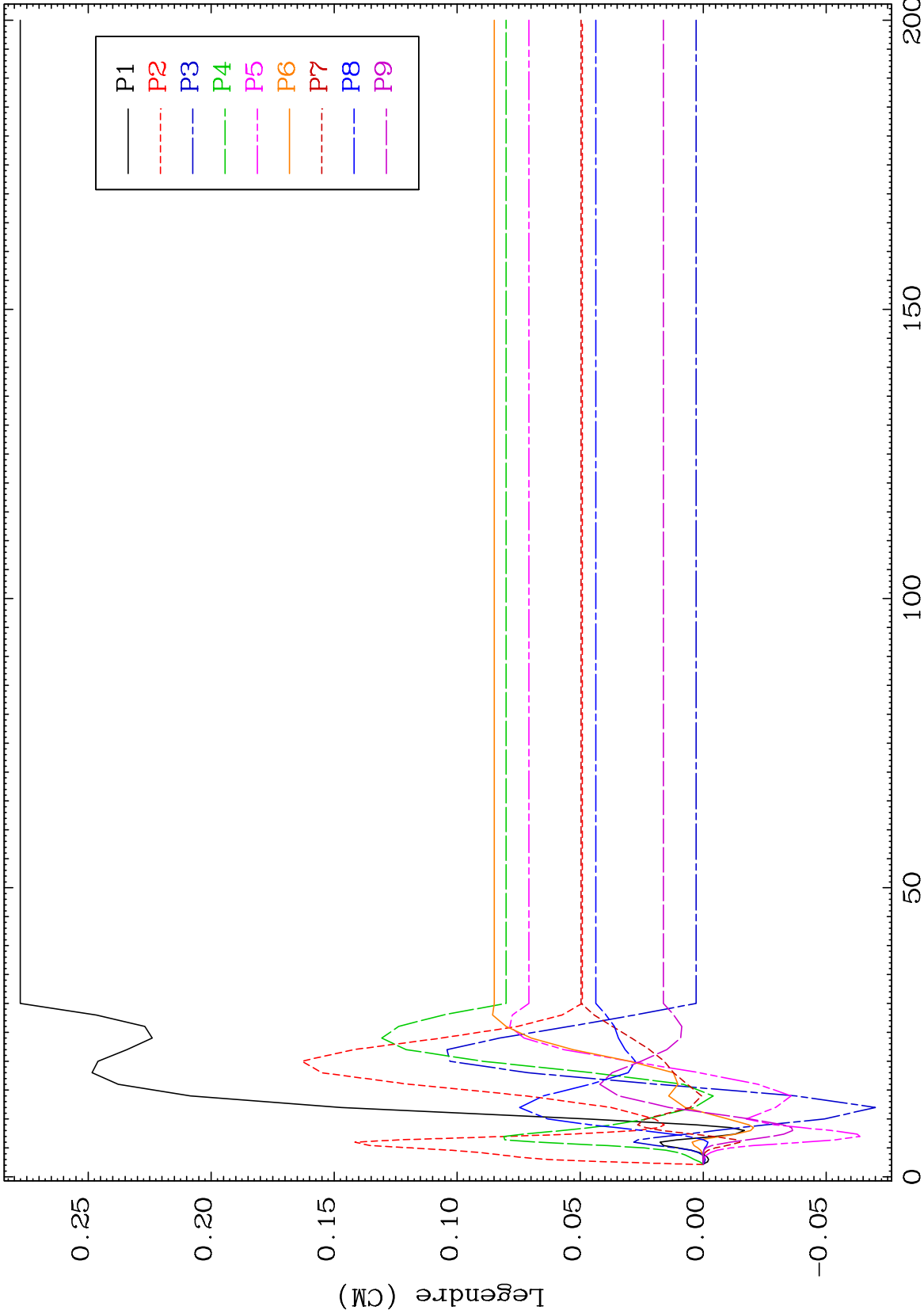
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



49

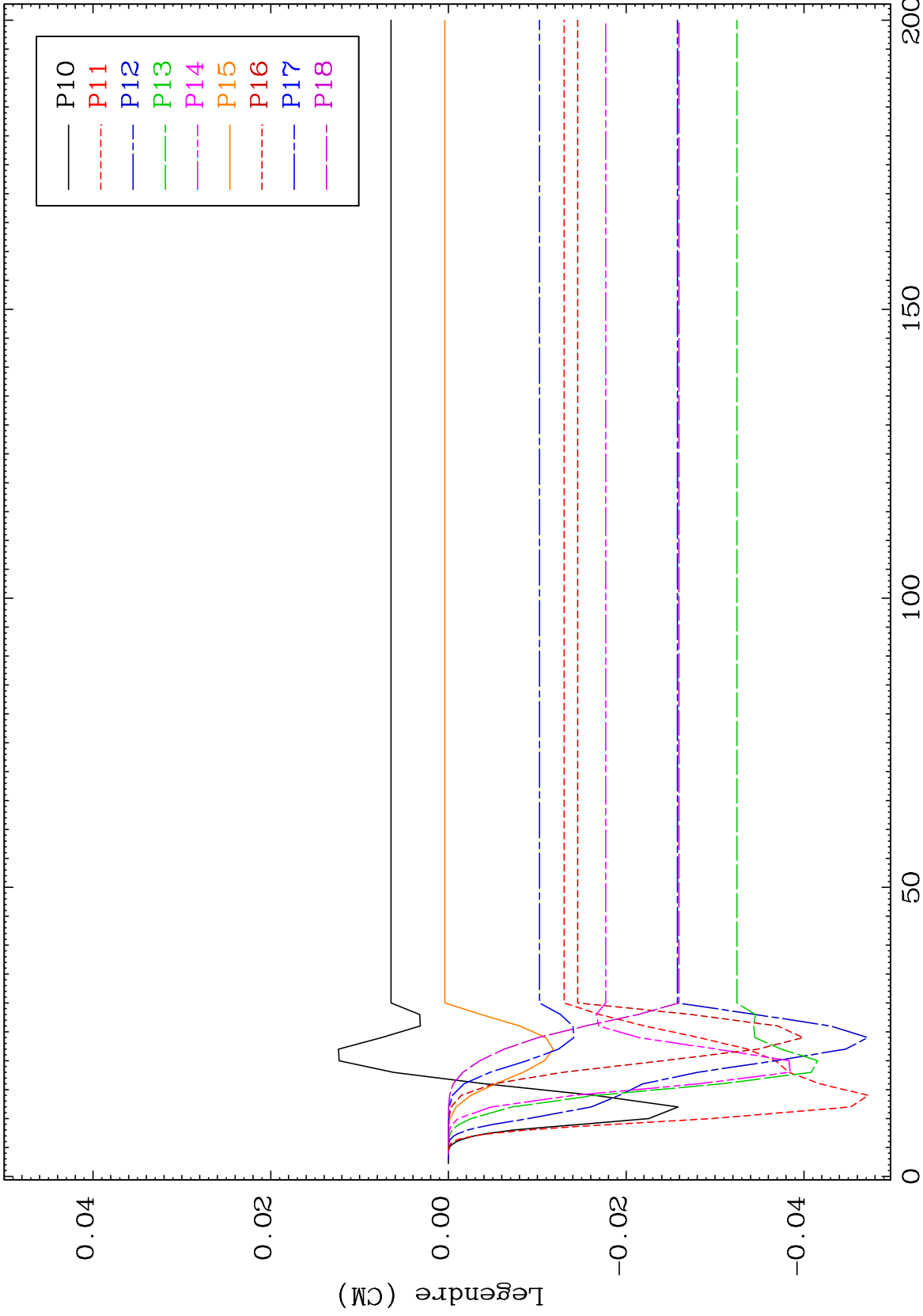
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



50

50

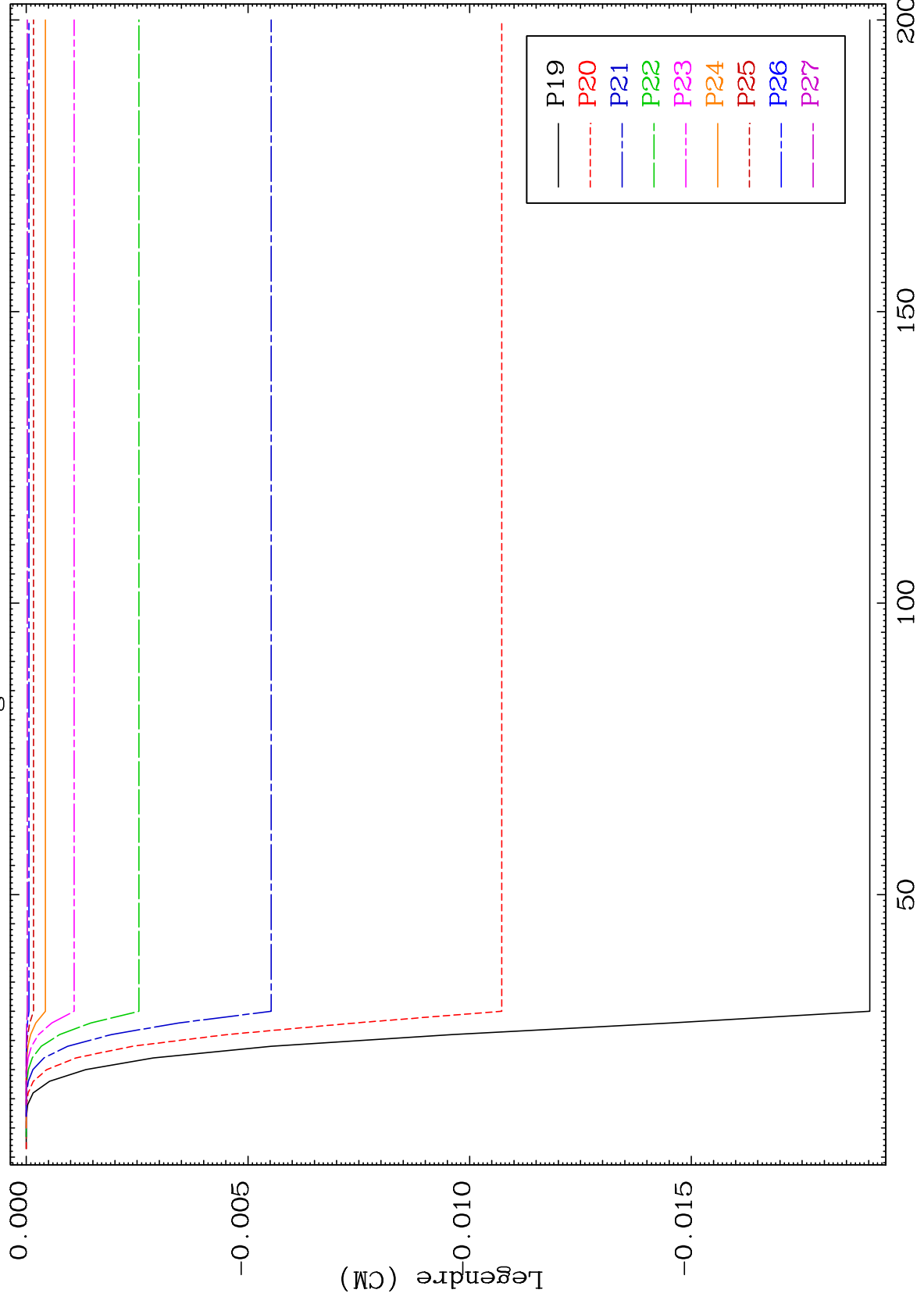
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150

200

62-Sm-138

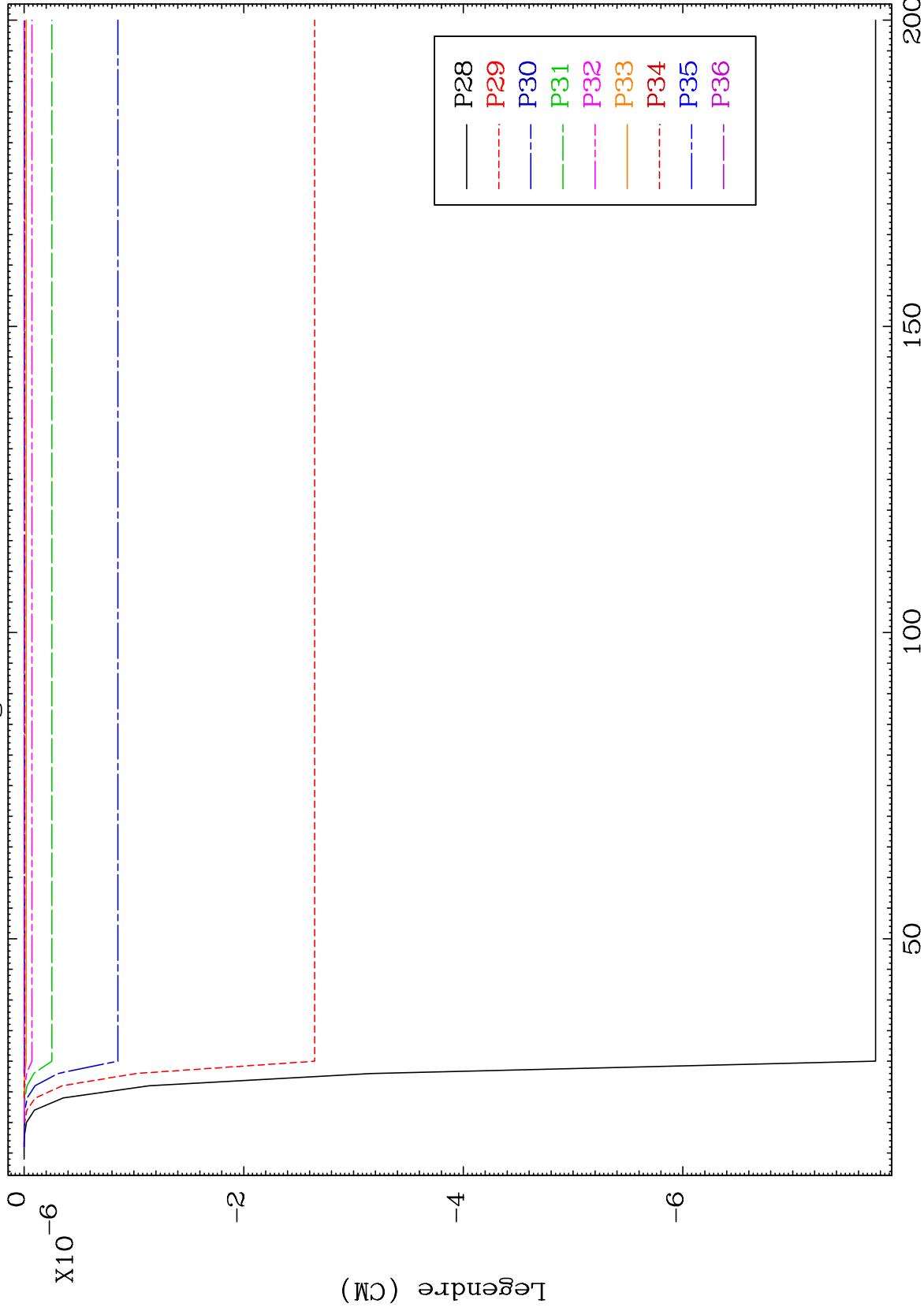
MAT 6207 MT= 59 (n,n') Level Legendre Coefficients 62-Sm-138



MAT 6207

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

62-Sm-138



62-Sm-138

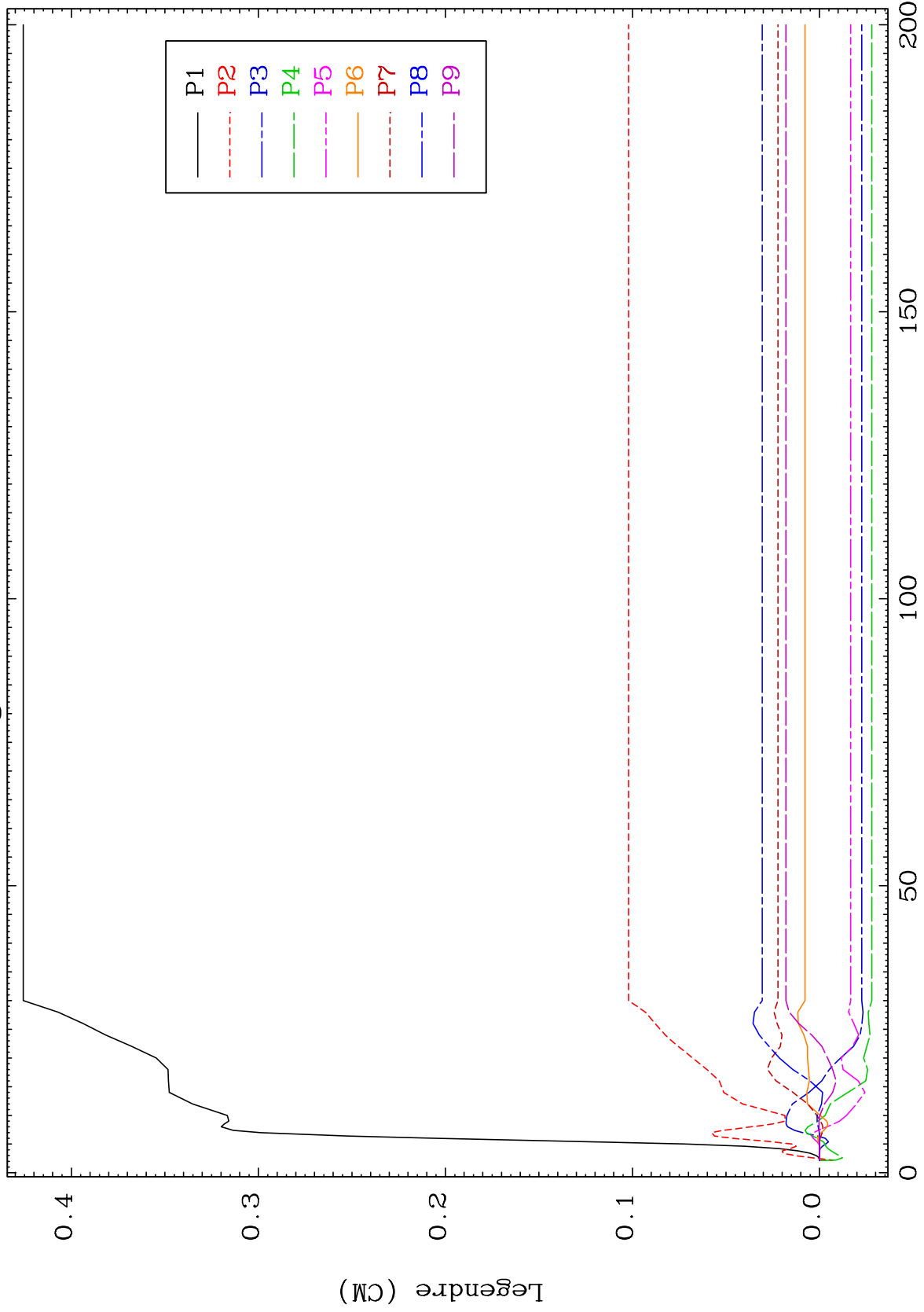
Incident Energy (MeV)

52

MAT 6207

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

62-Sm-138



53

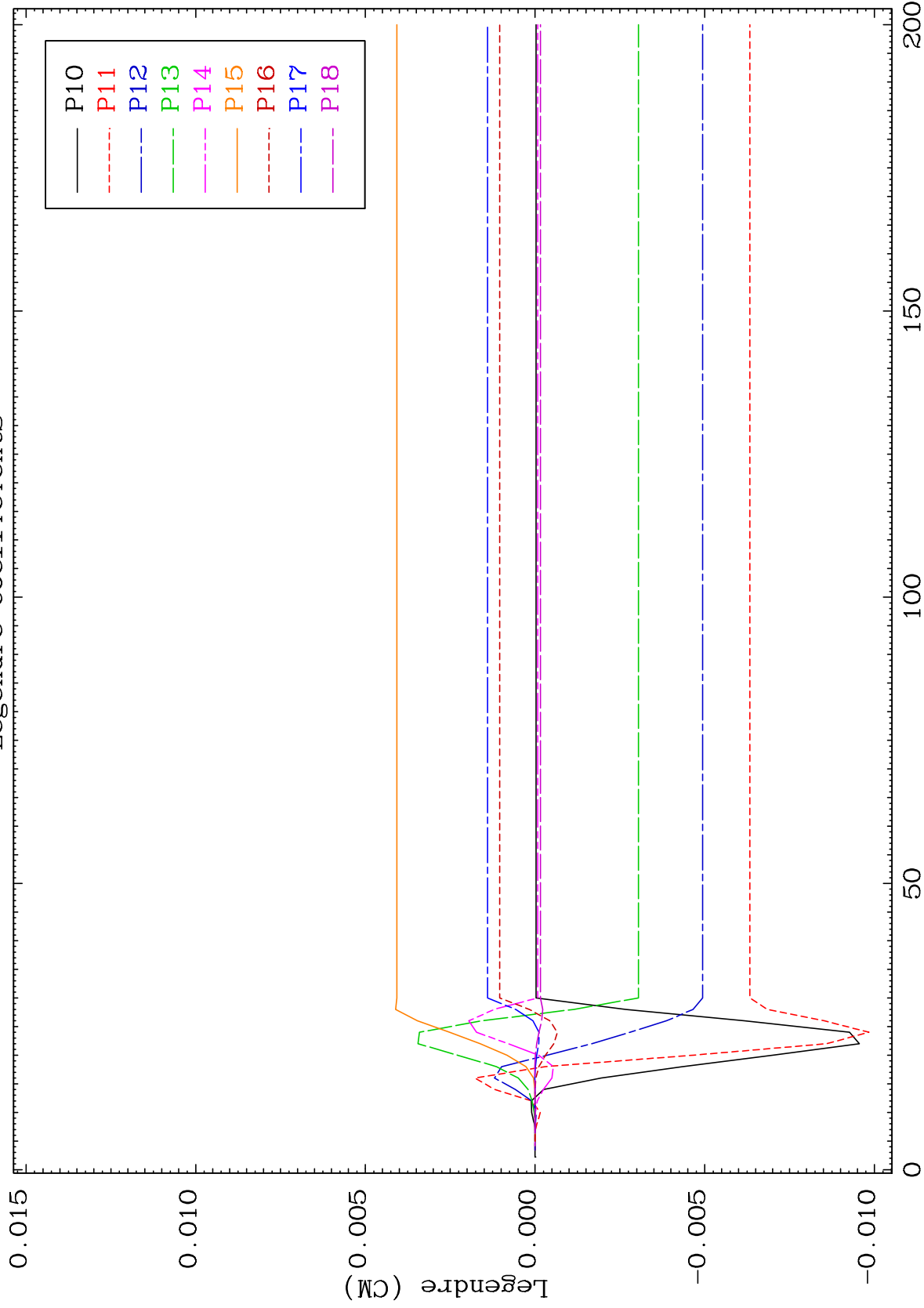
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



54

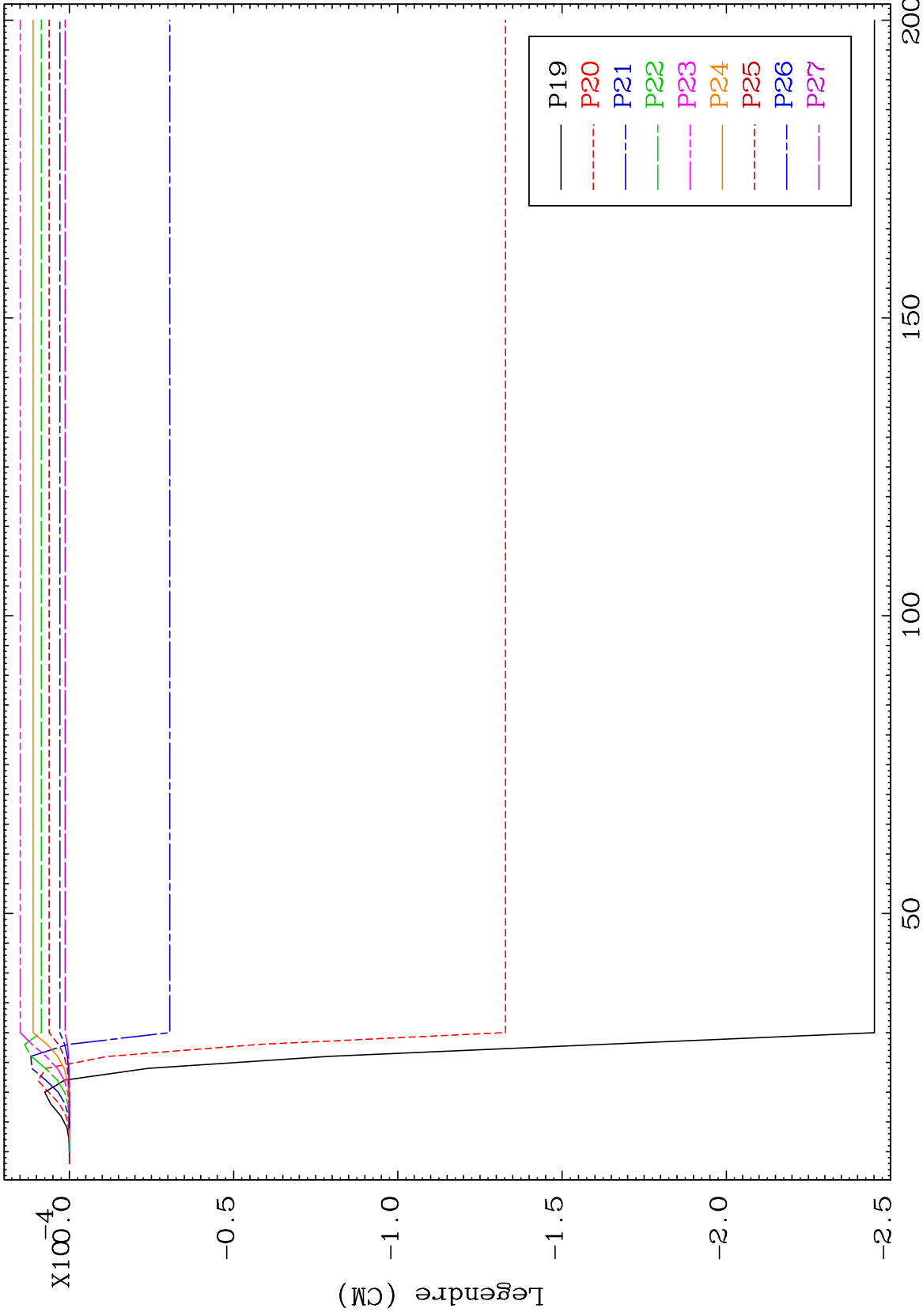
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



55

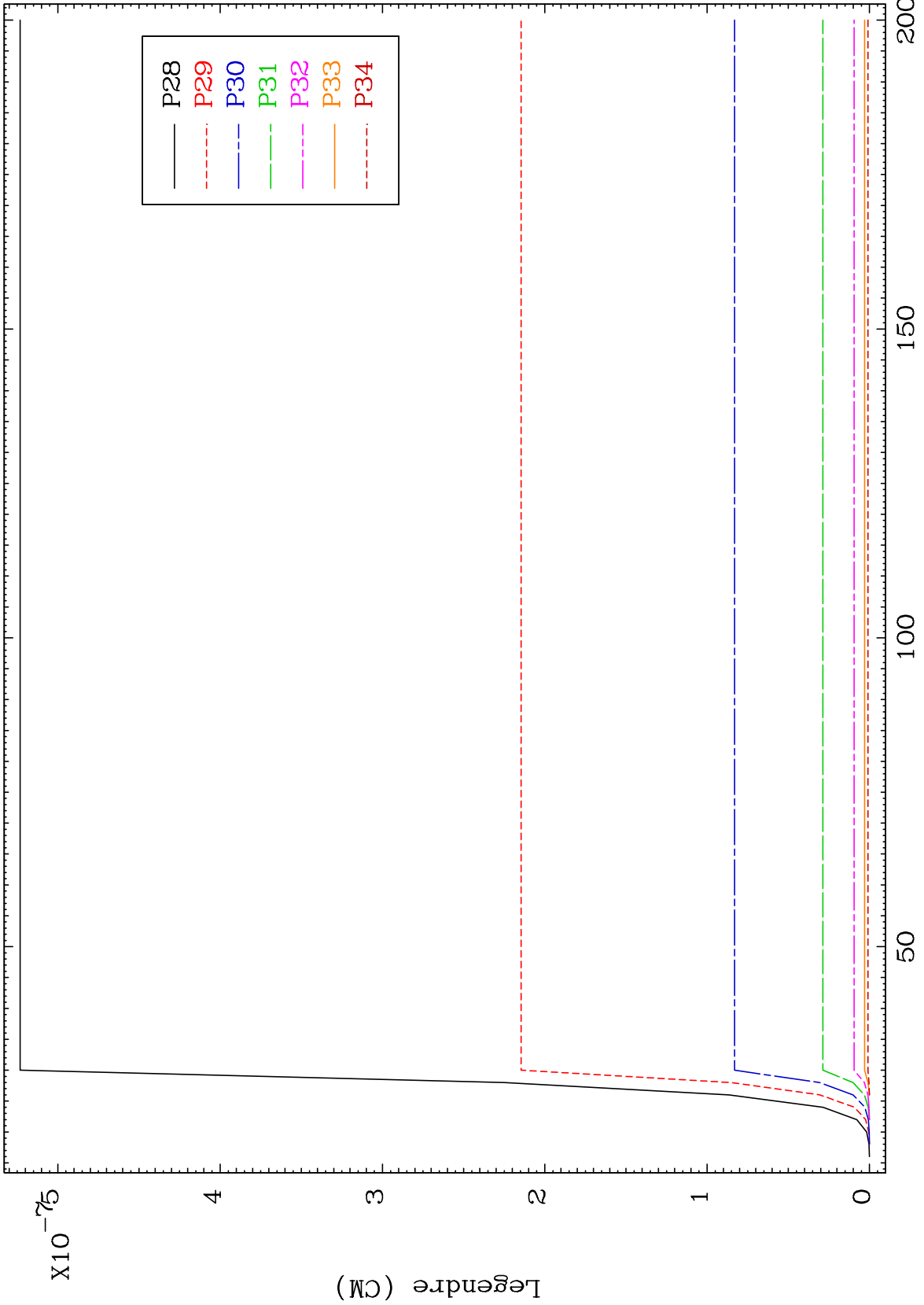
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



56

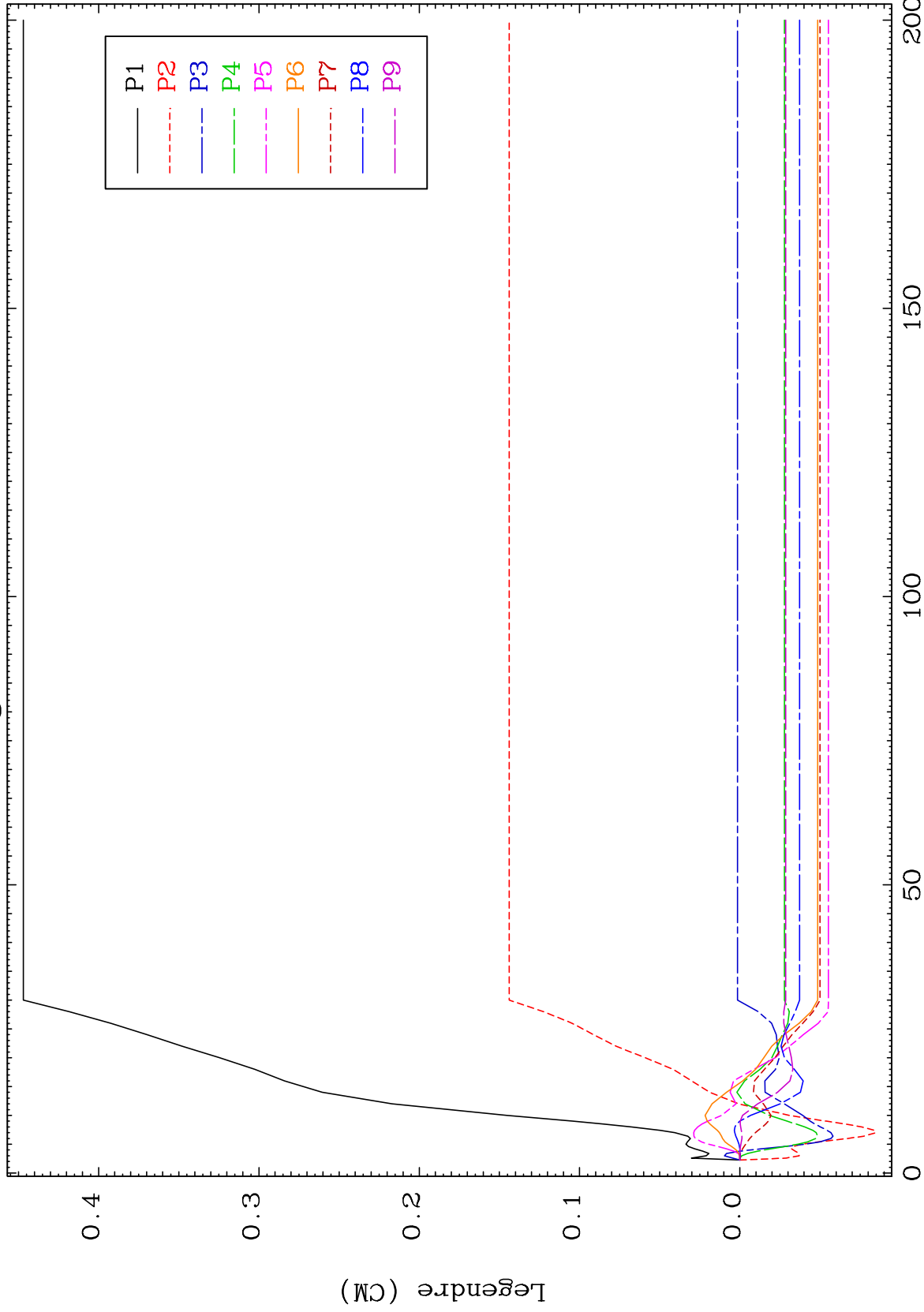
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



57

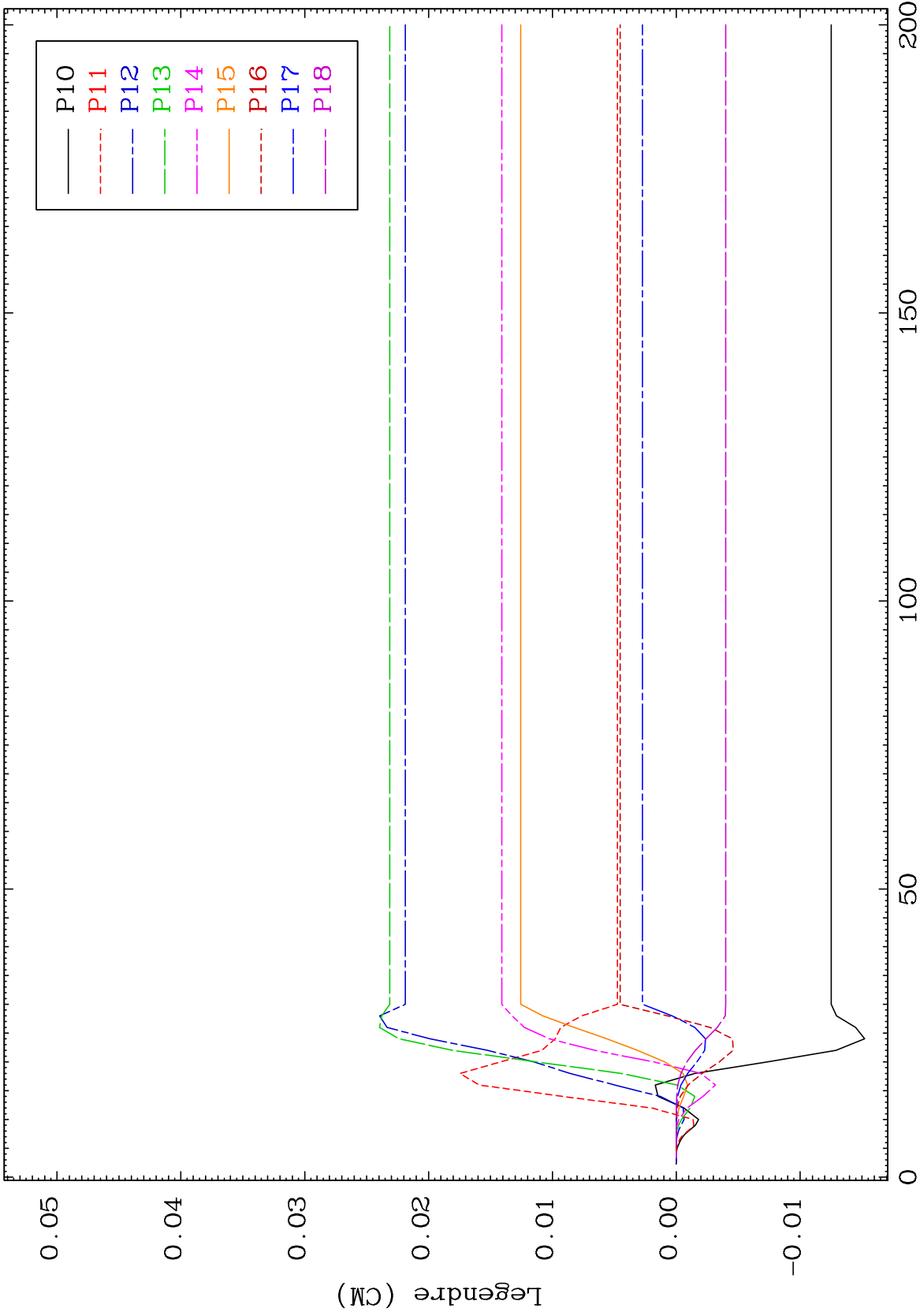
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



58

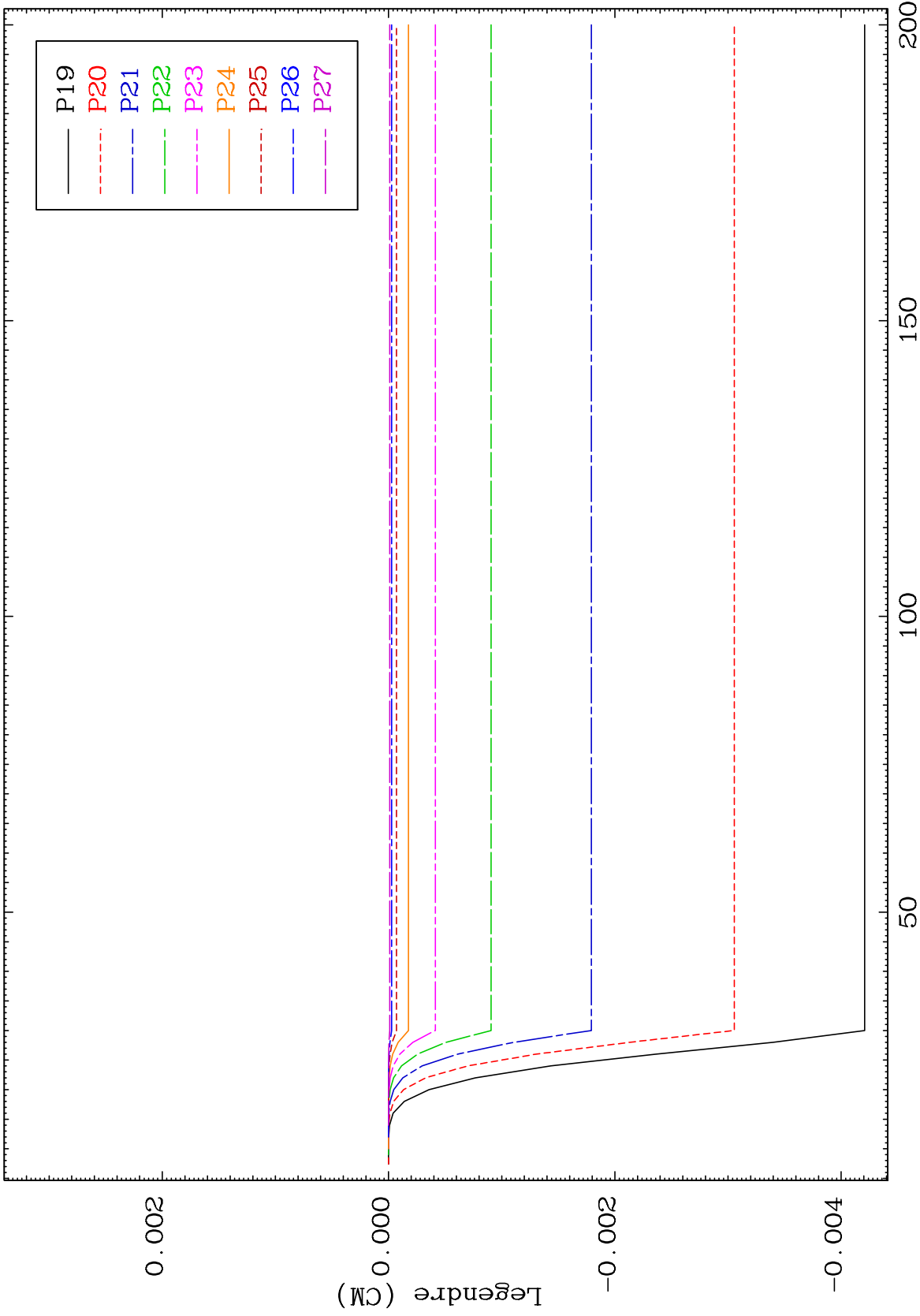
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



59

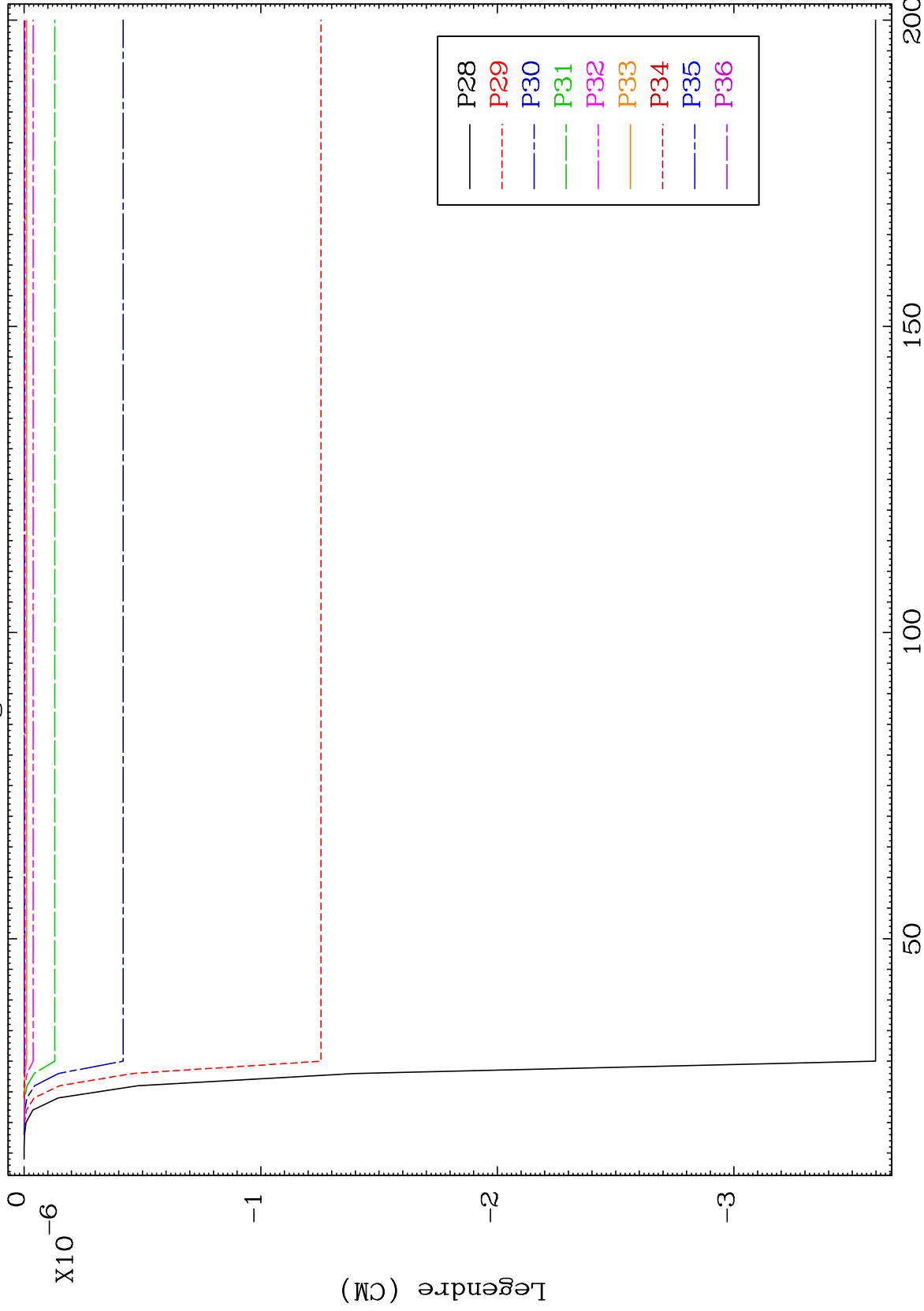
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



62-Sm-138

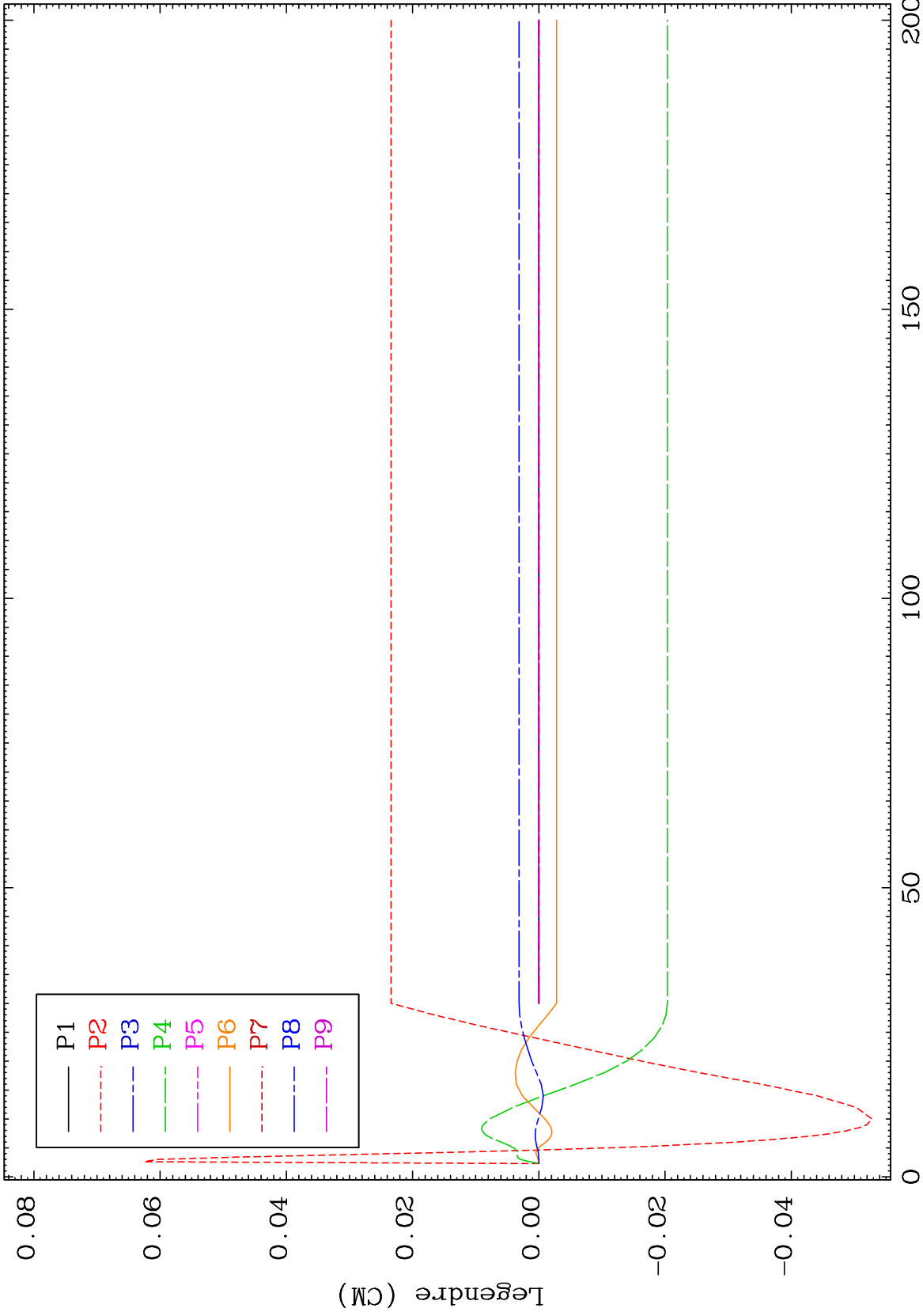
Incident Energy (MeV)

60

MAT 6207

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

62-Sm-138



61

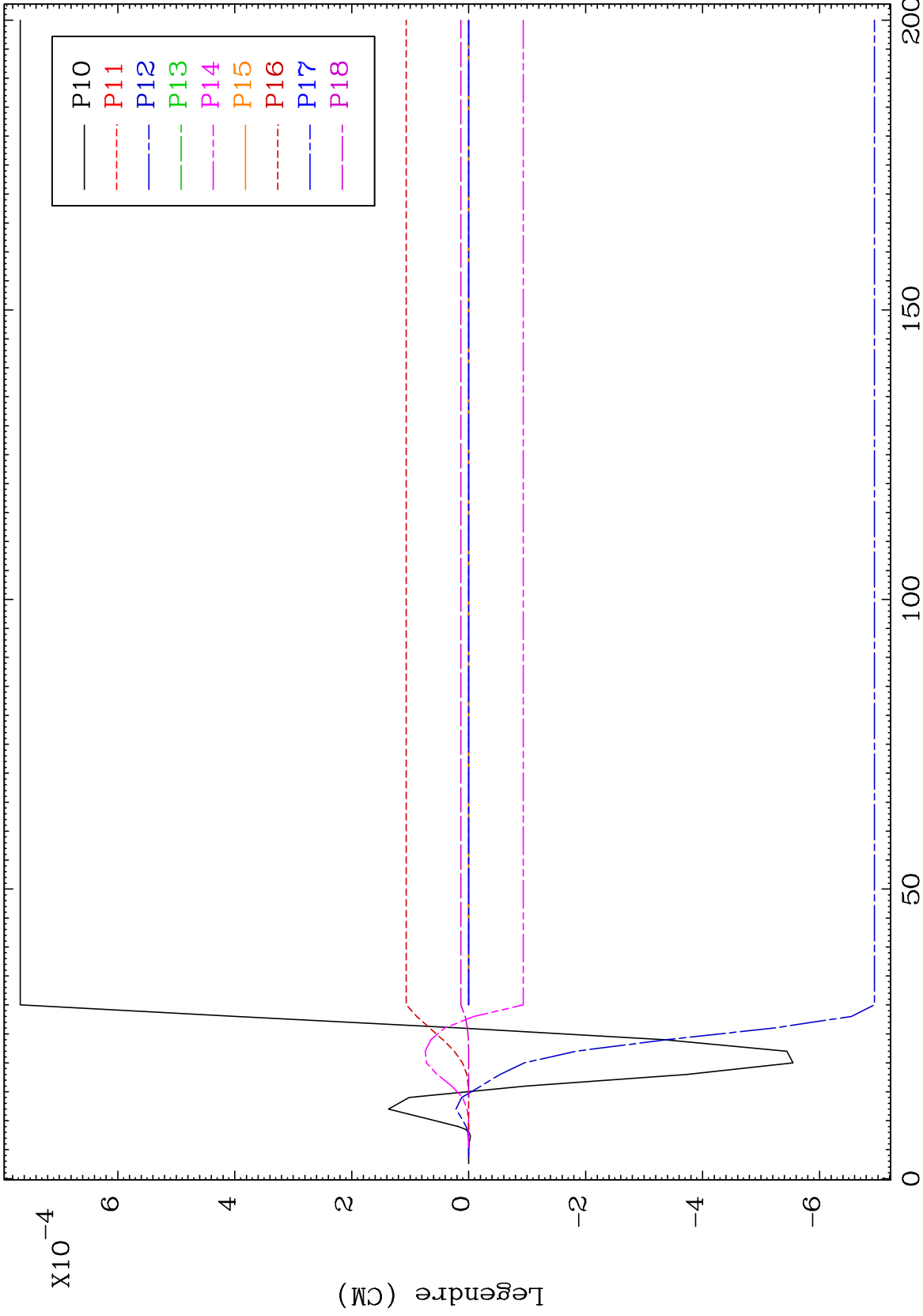
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



62

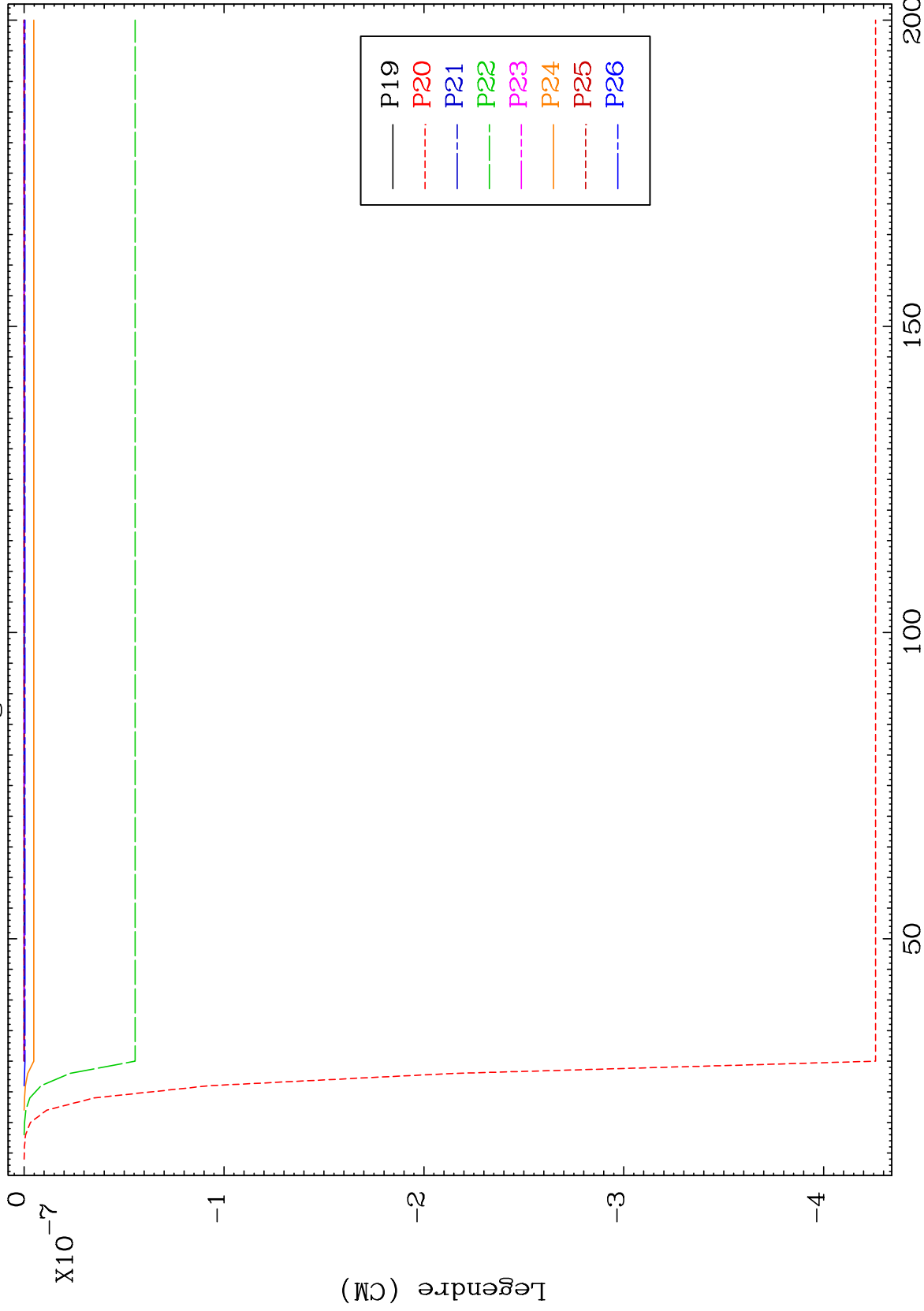
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



63

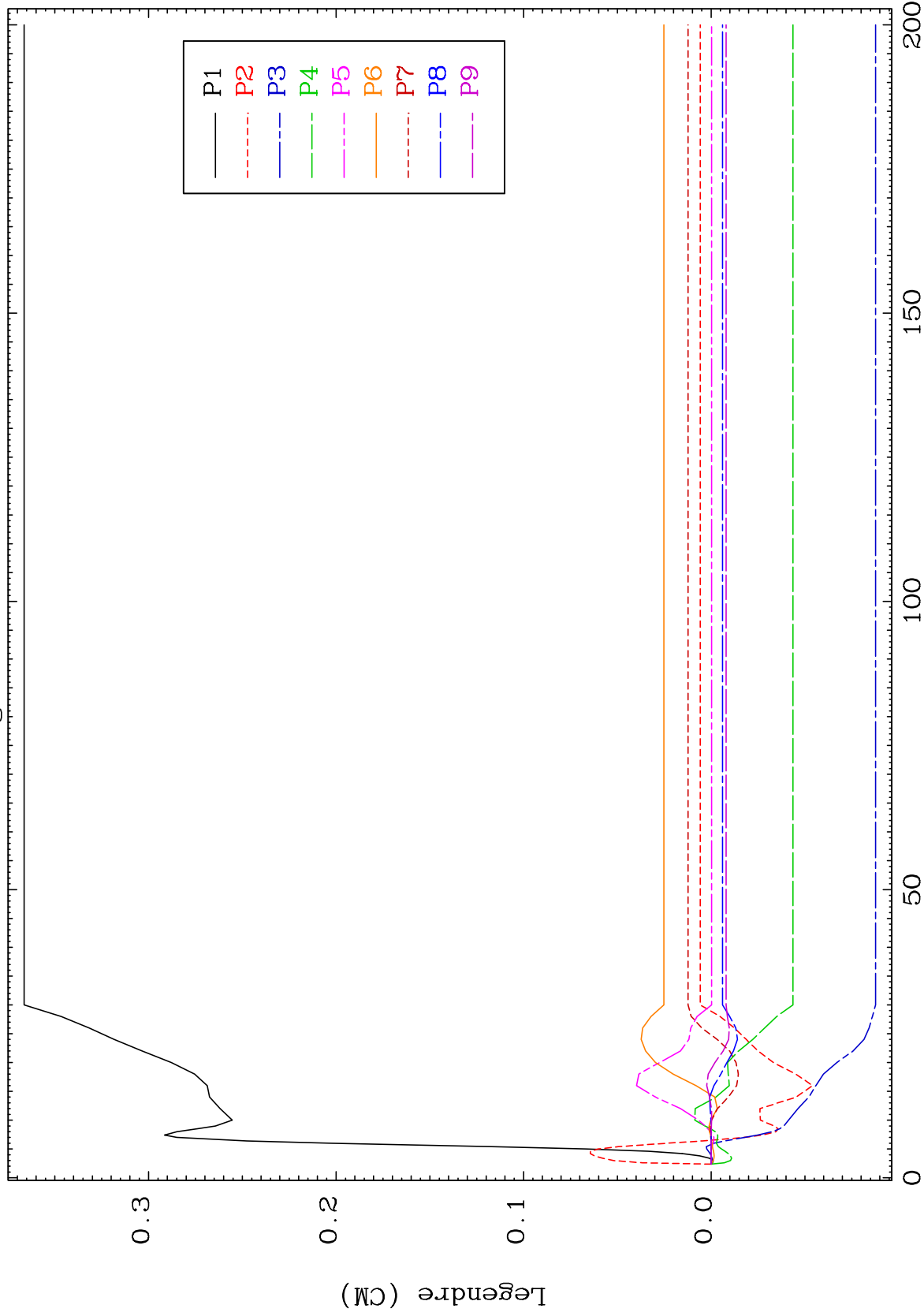
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



64

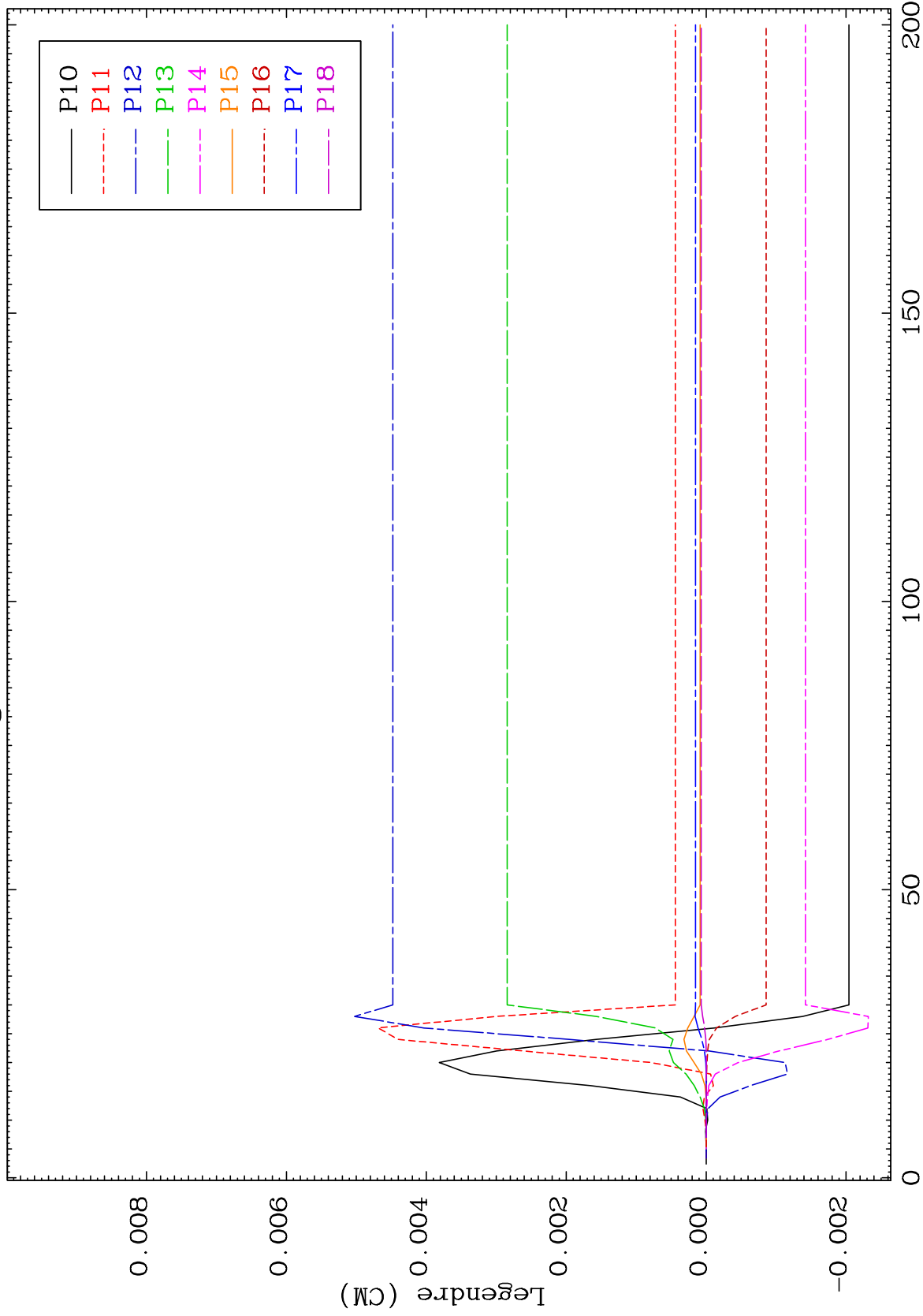
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

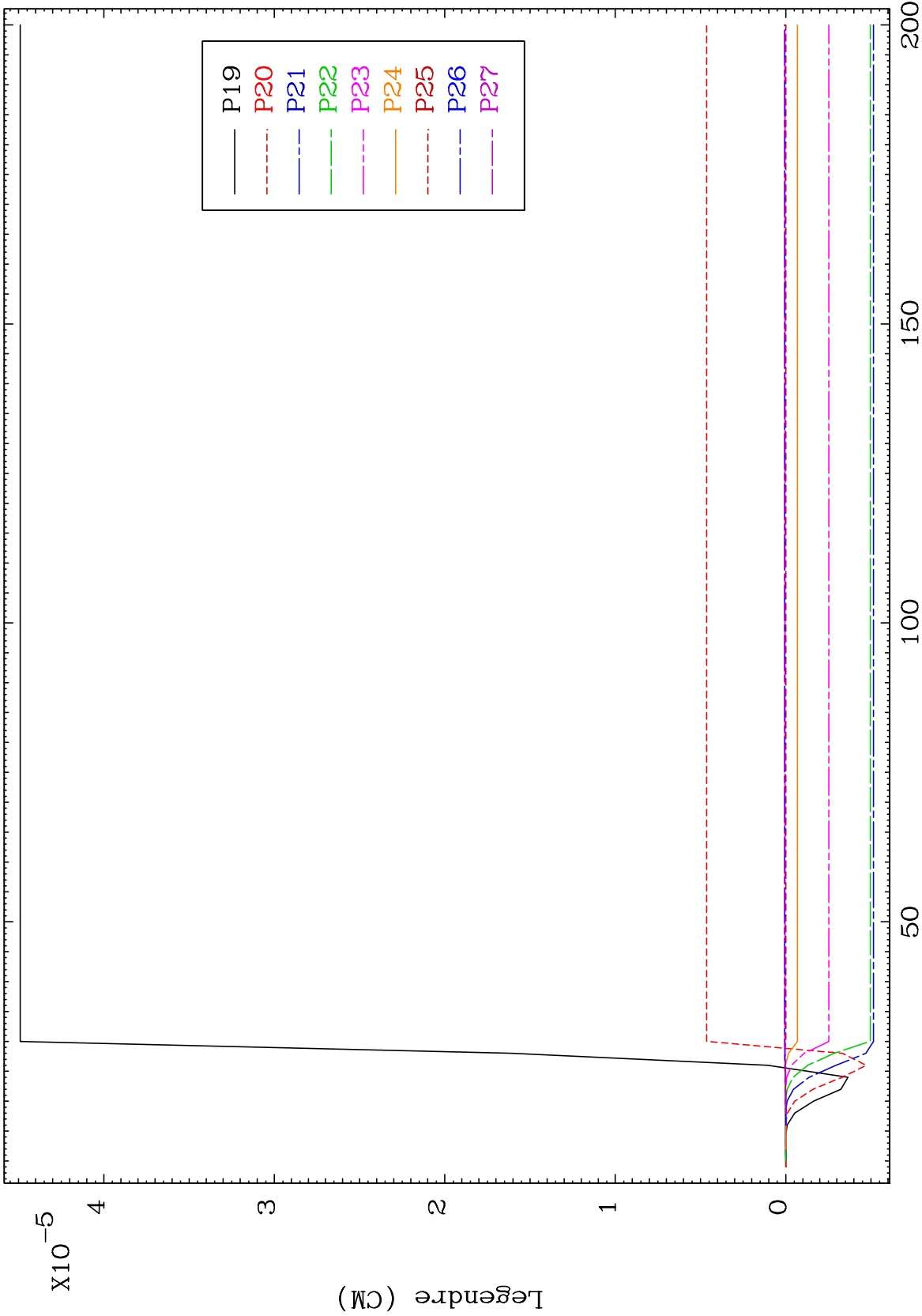
62-Sm-138



65

Incident Energy (MeV)

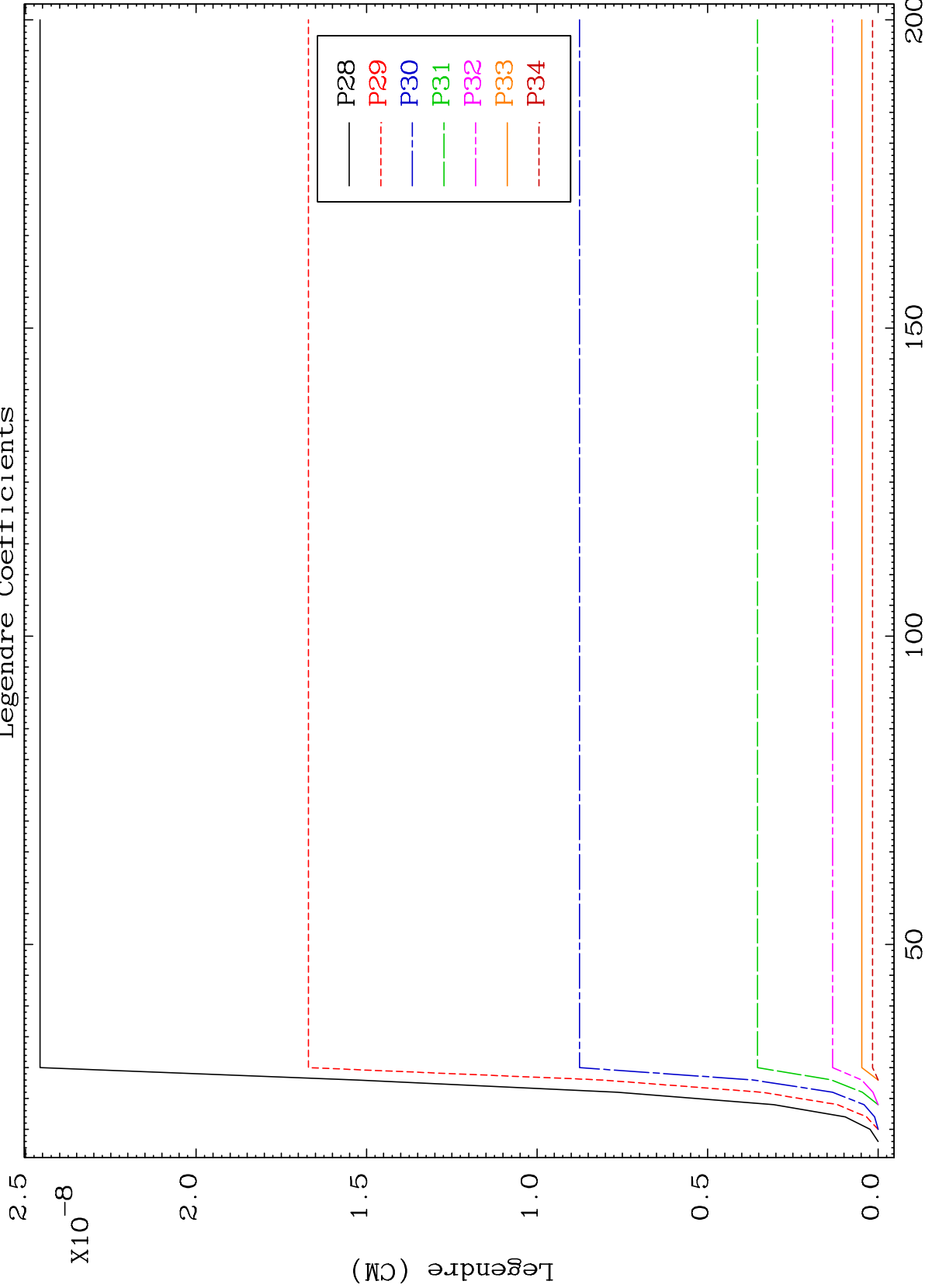
62-Sm-138



MAT 6207

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

62-Sm-138



67

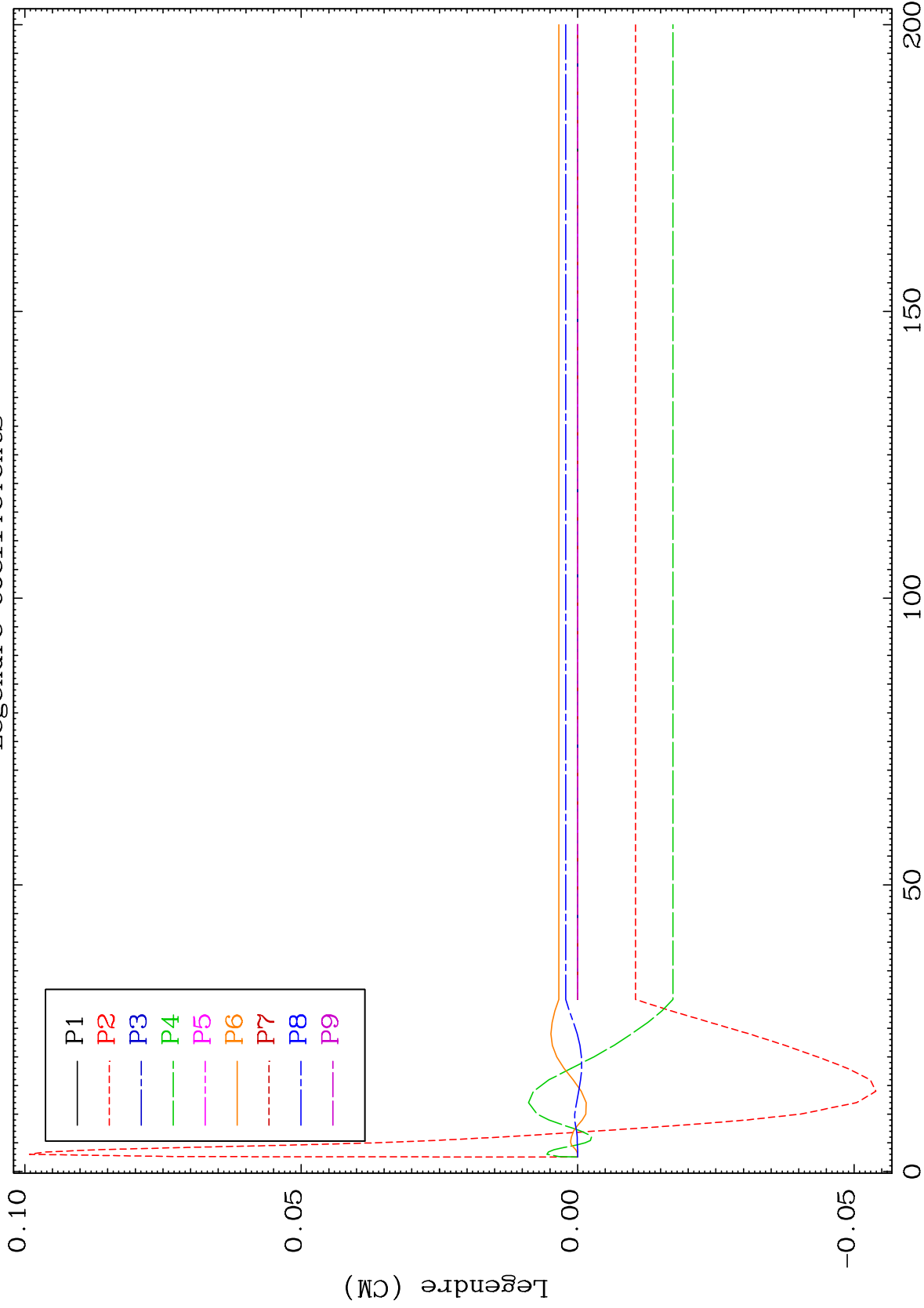
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



68

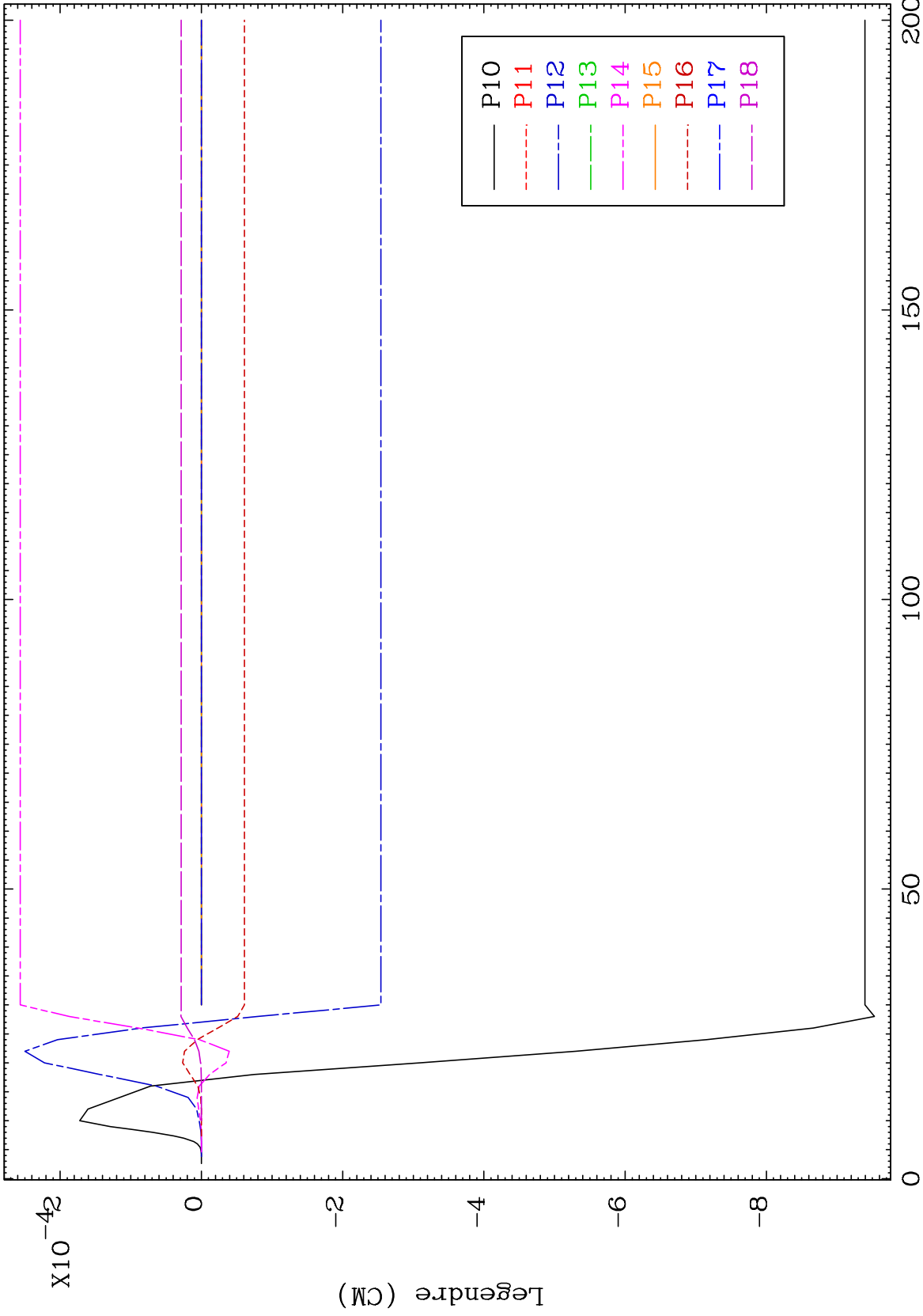
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



69

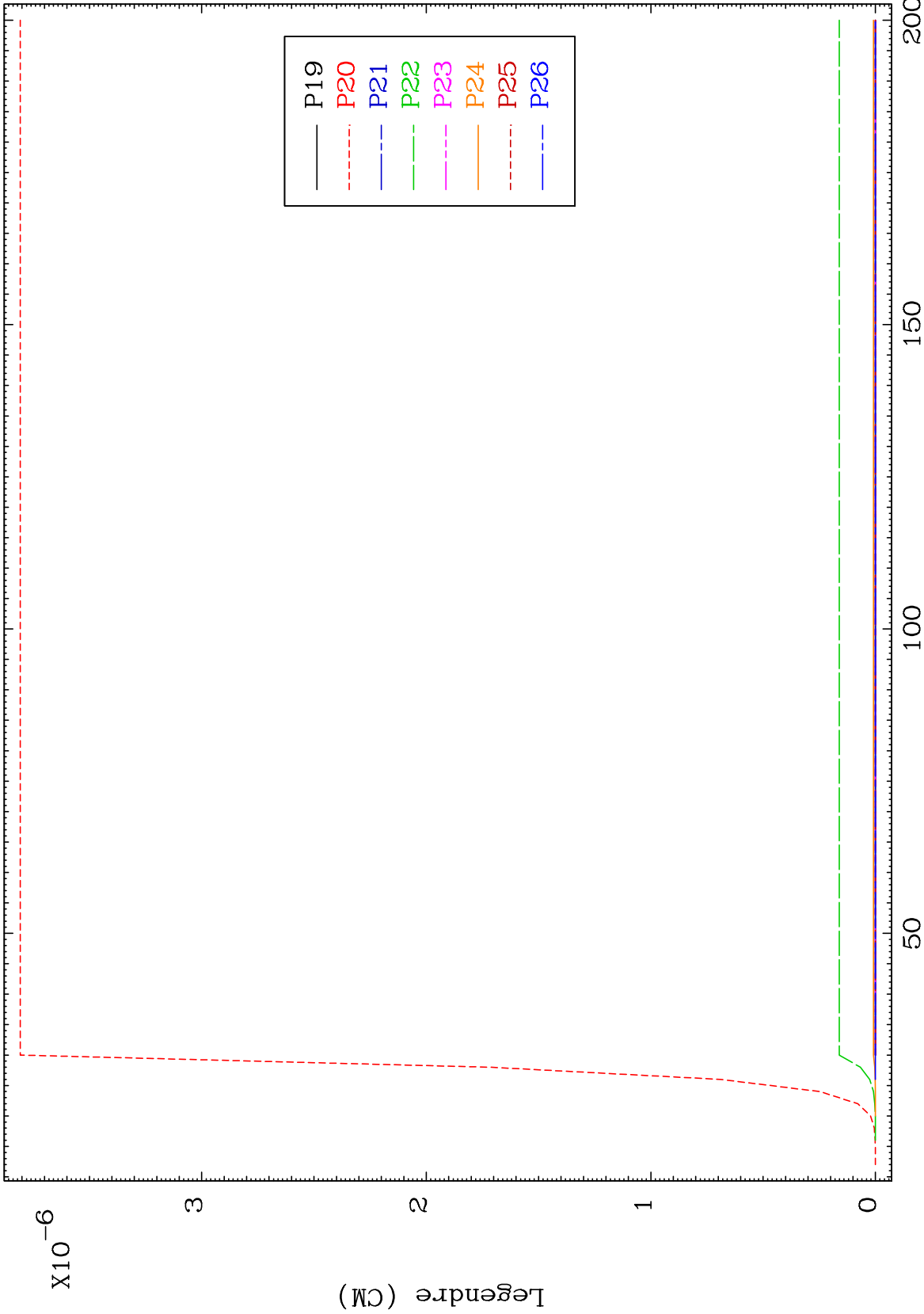
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



70

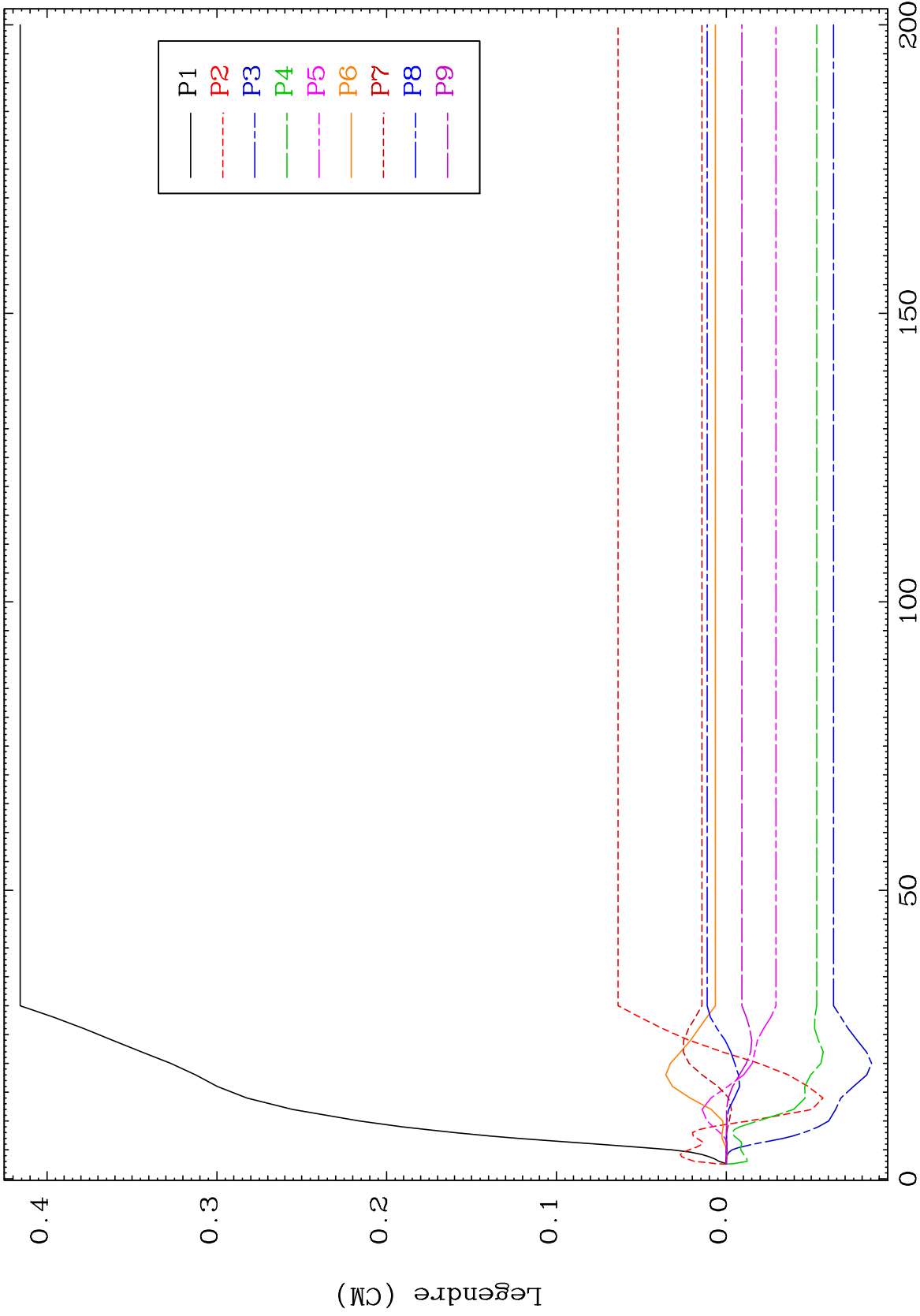
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



71

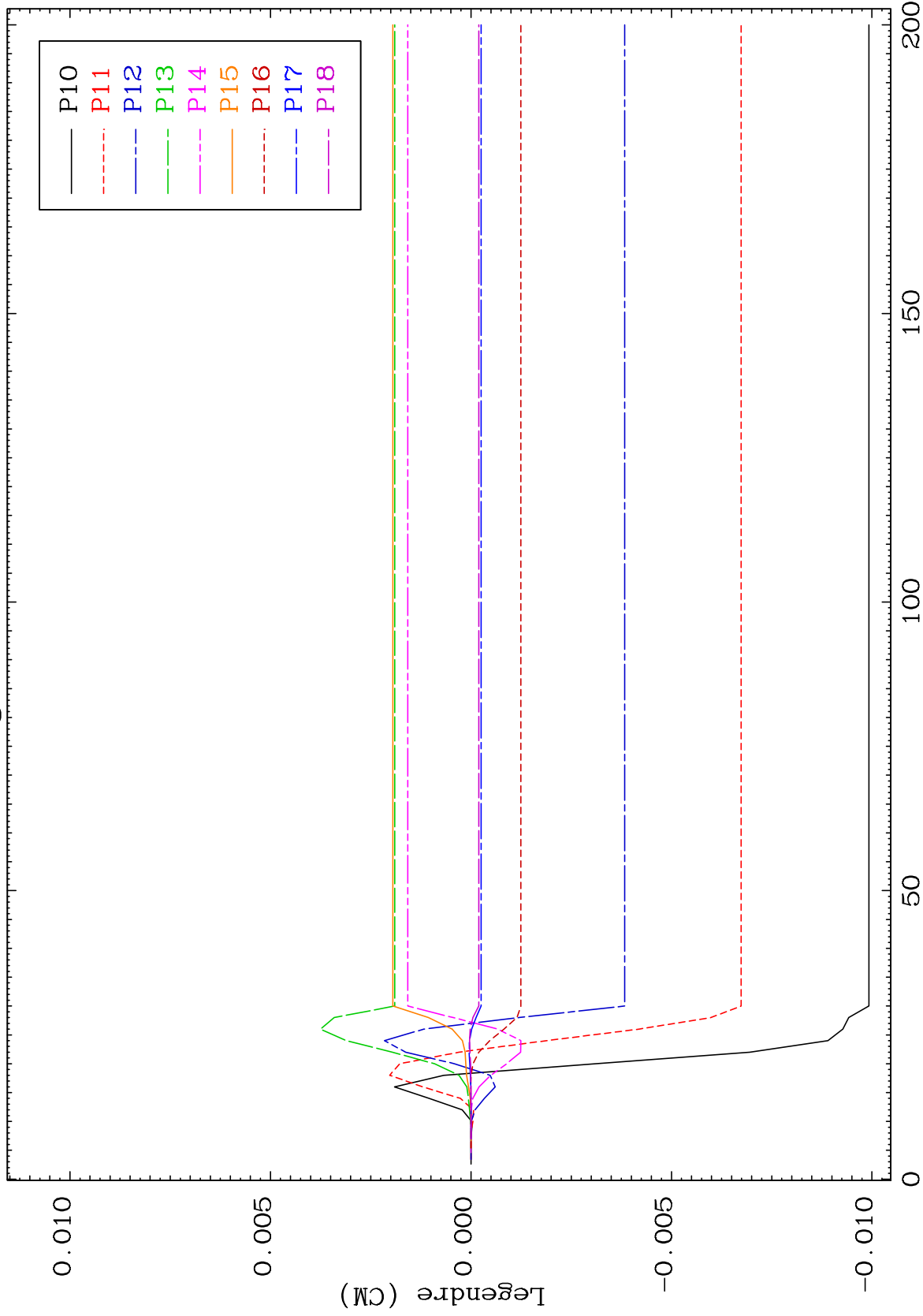
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



72

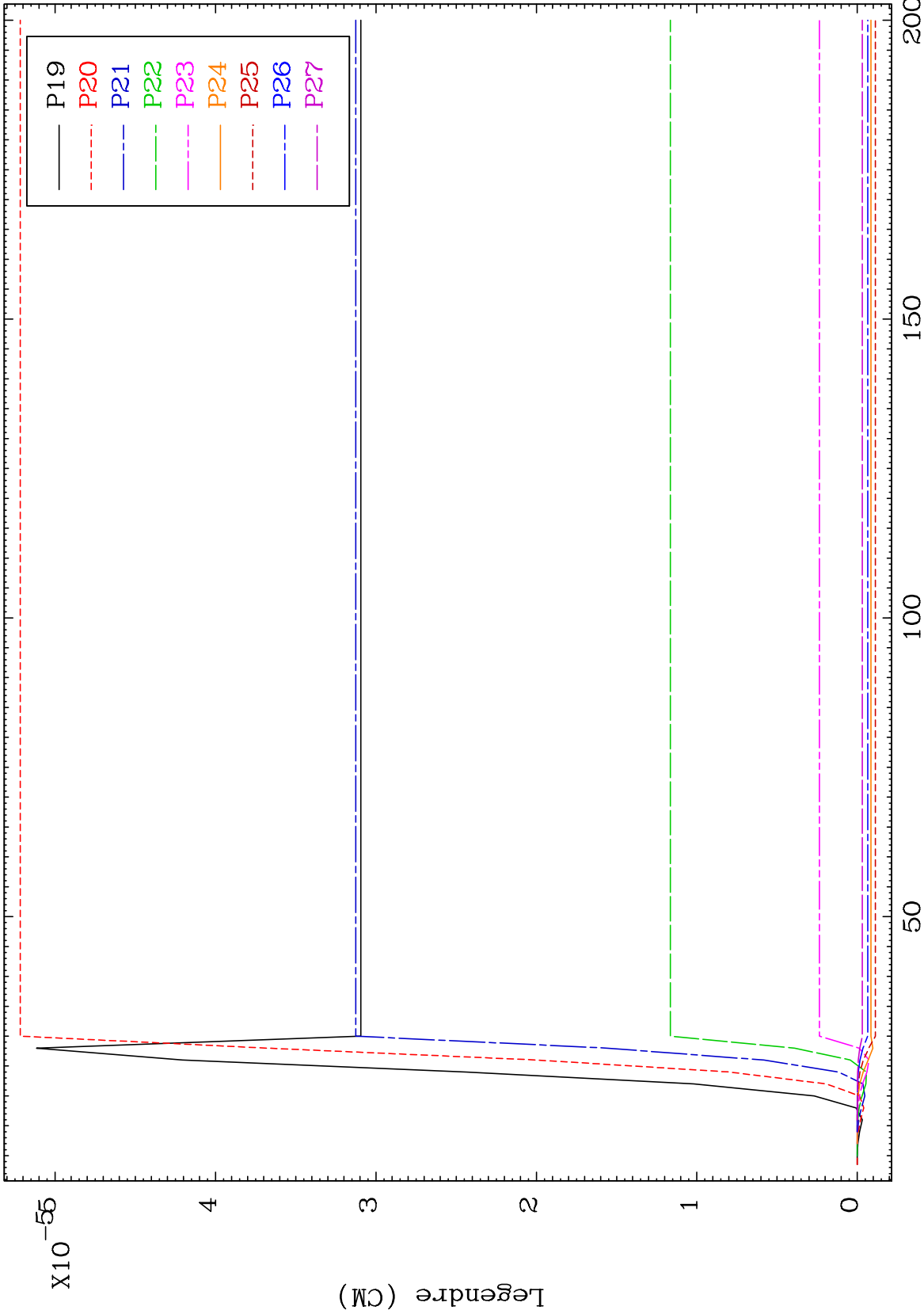
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



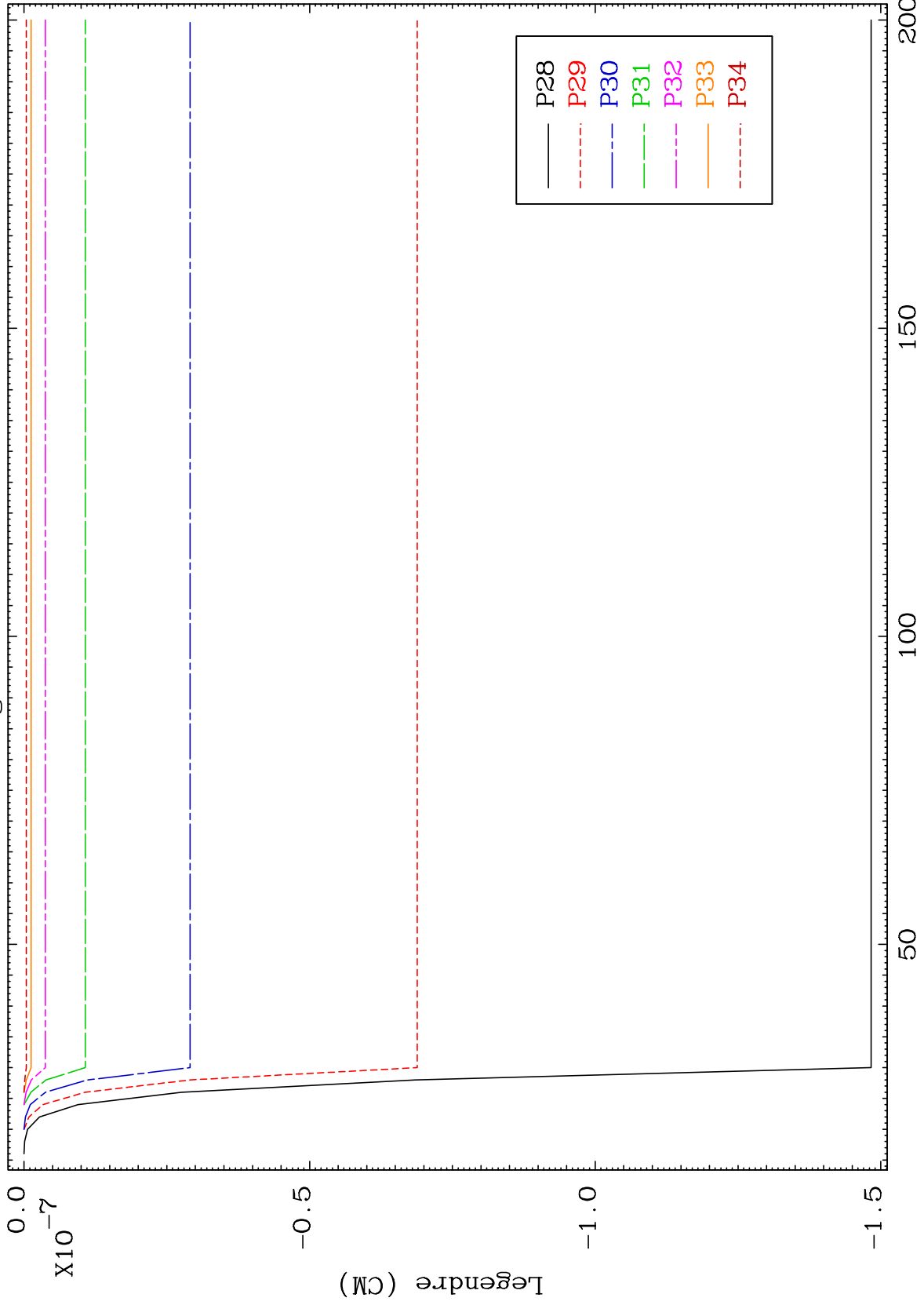
73

62-Sm-138

MAT 6207

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

62-Sm-138



62-Sm-138

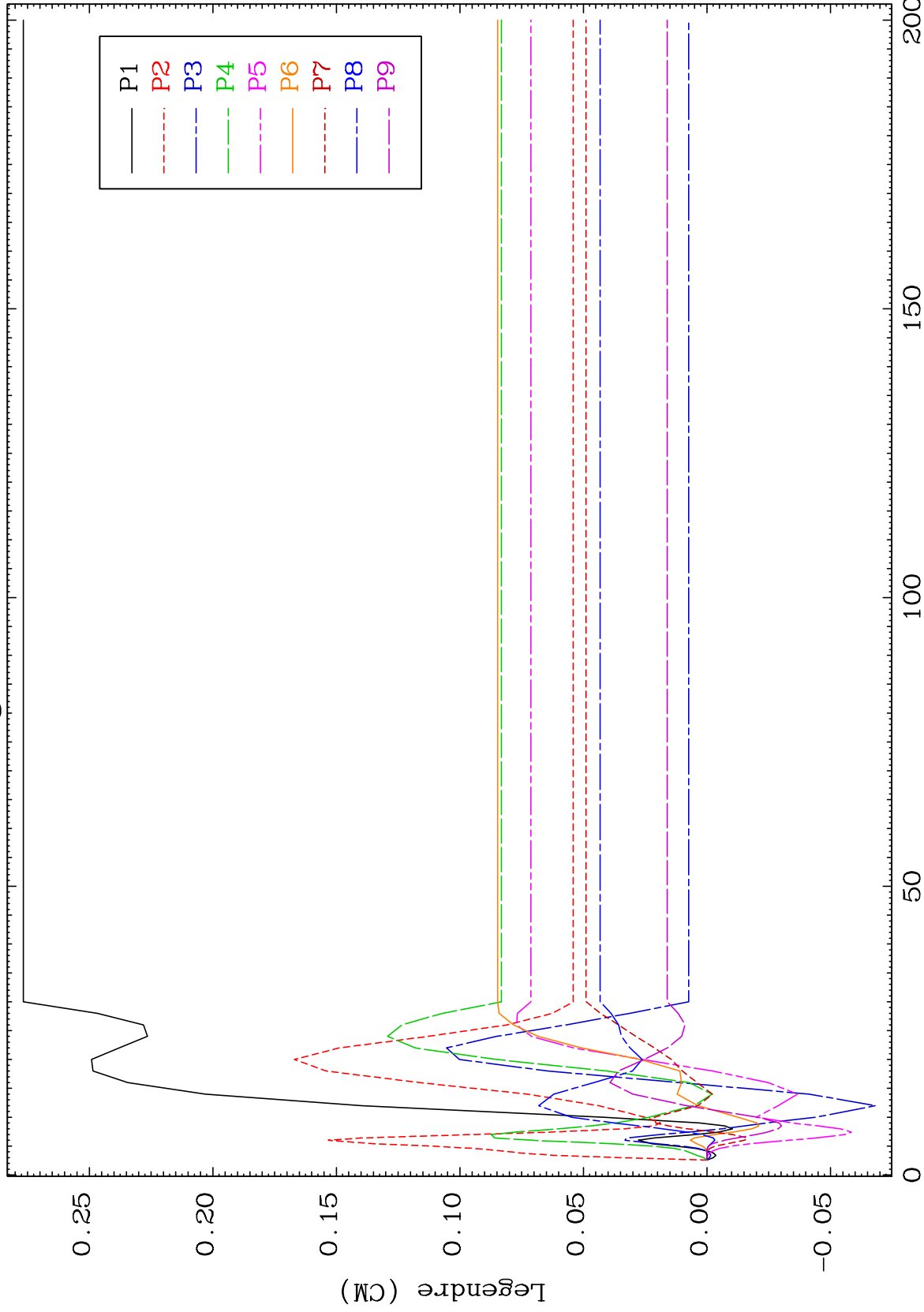
Incident Energy (MeV)

74

MAT 6207

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

62-Sm-138



75

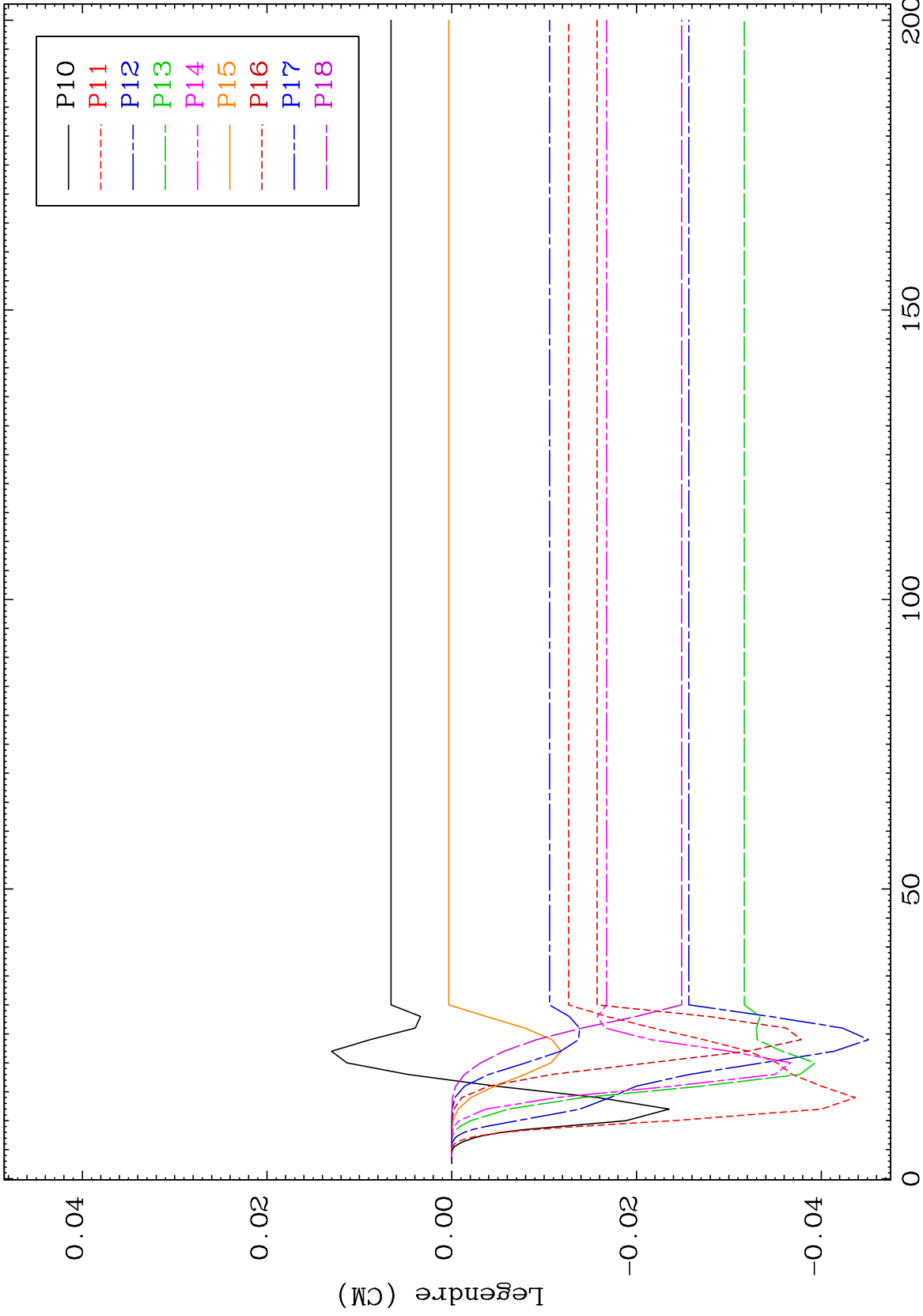
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138

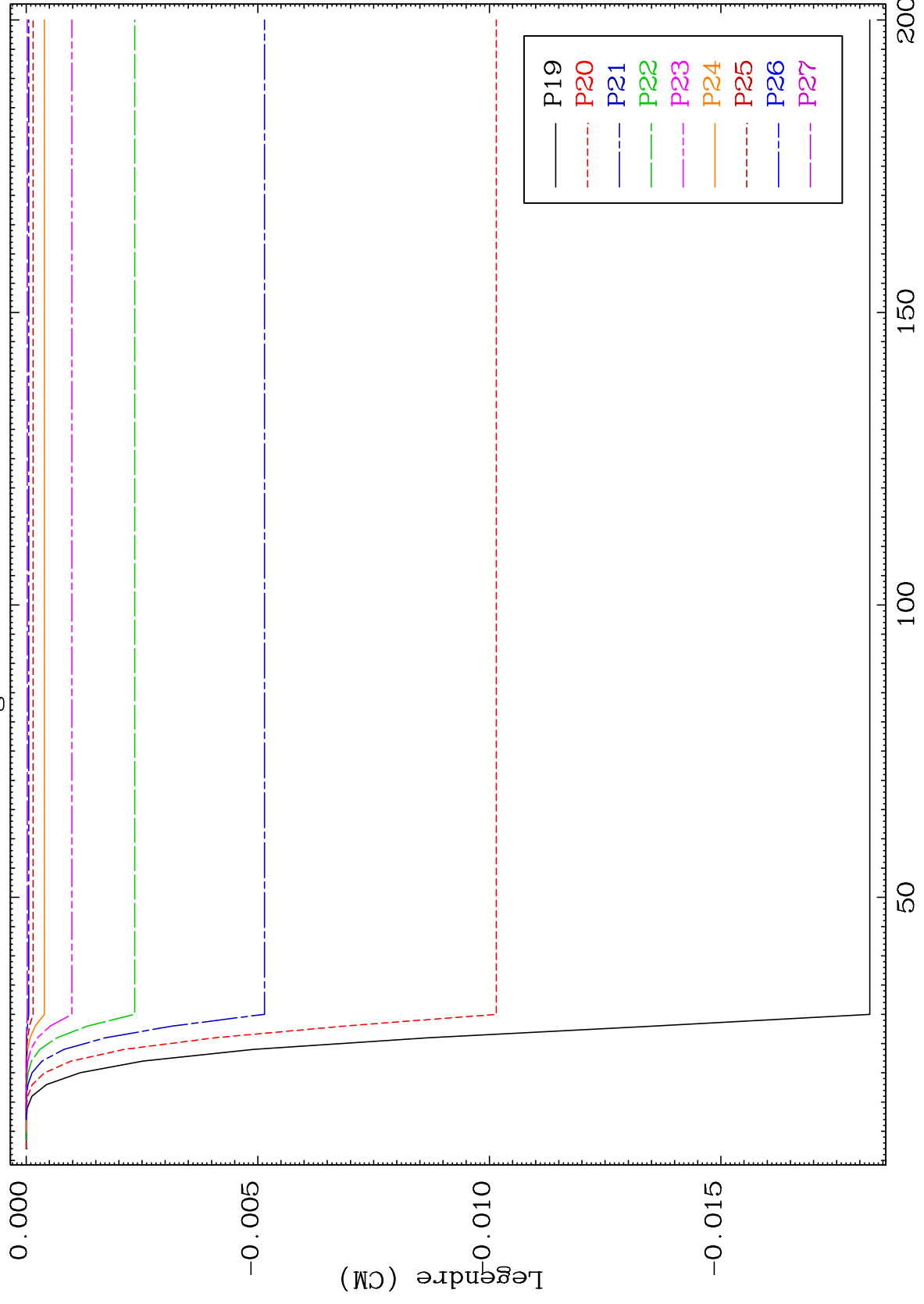


76

Incident Energy (MeV)

62-Sm-138

MAT 6207 MT= 66 (n,n') Level Legendre Coefficients 62-Sm-138

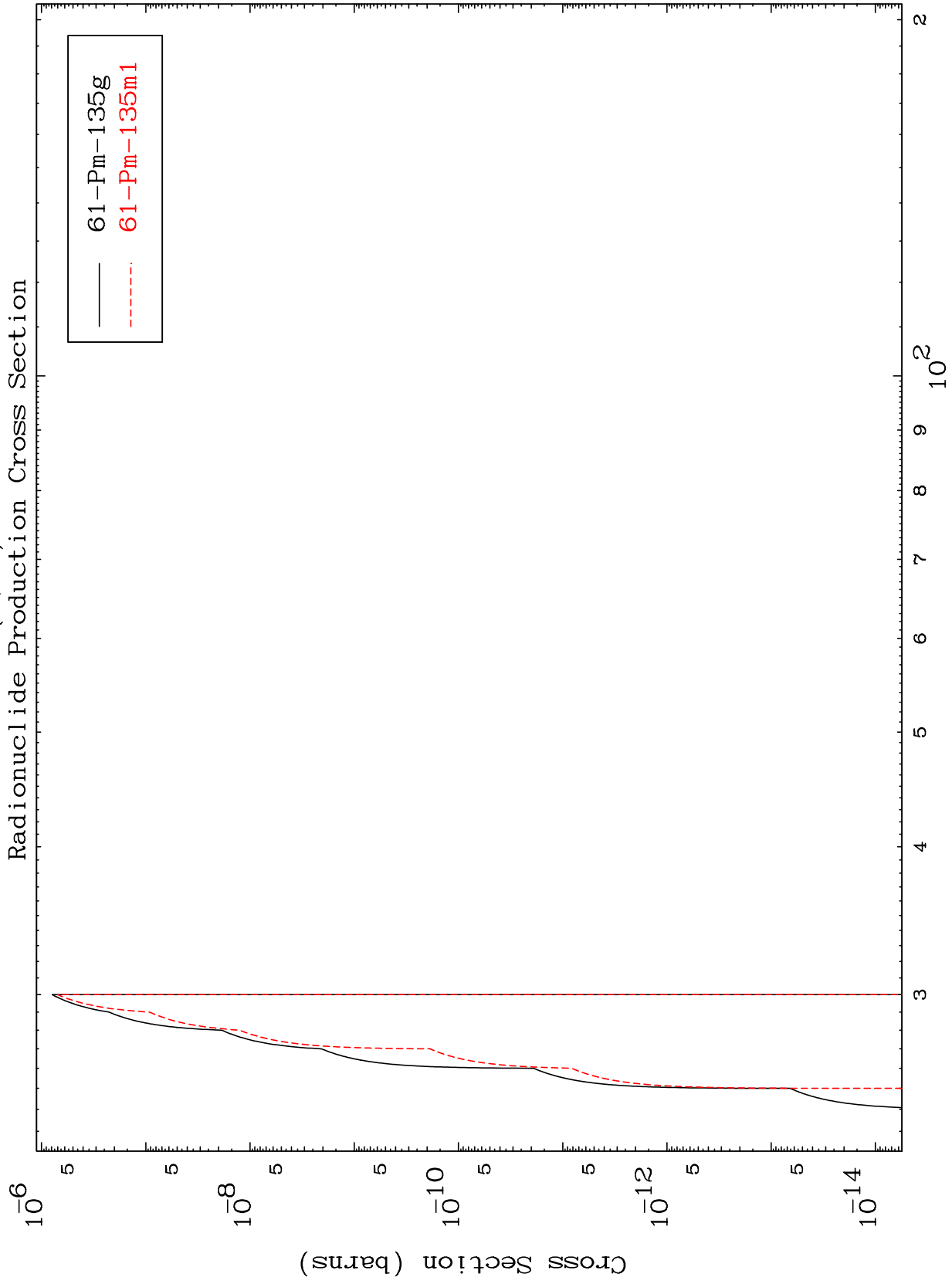


77 62-Sm-138

MAT 6207

(n,2n) d

62-Sm-138



79

Incident Energy (MeV)

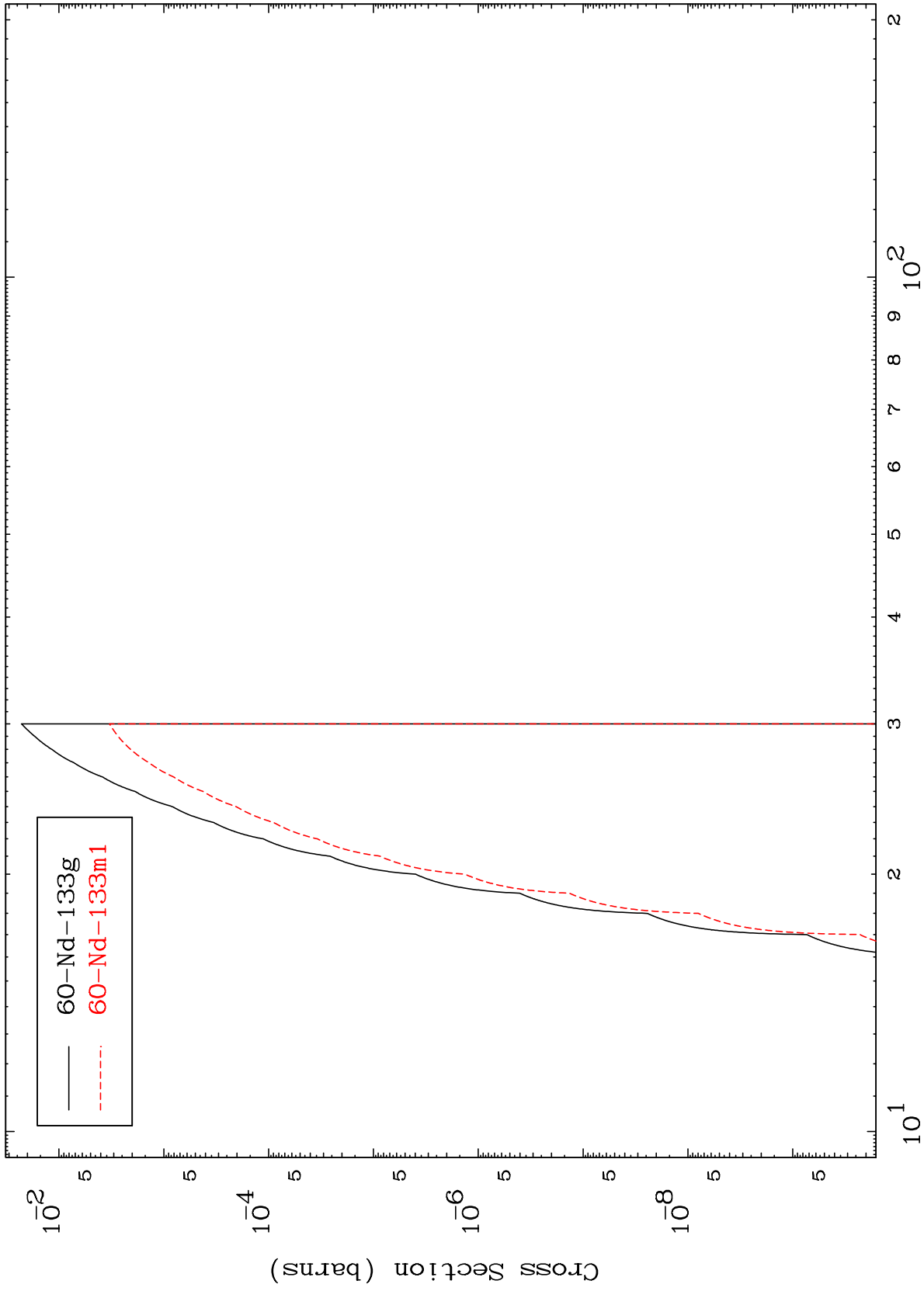
62-Sm-138

MAT 6207

(n,2n) α

62-Sm-138

Radionuclide Production Cross Section



80

Incident Energy (MeV)

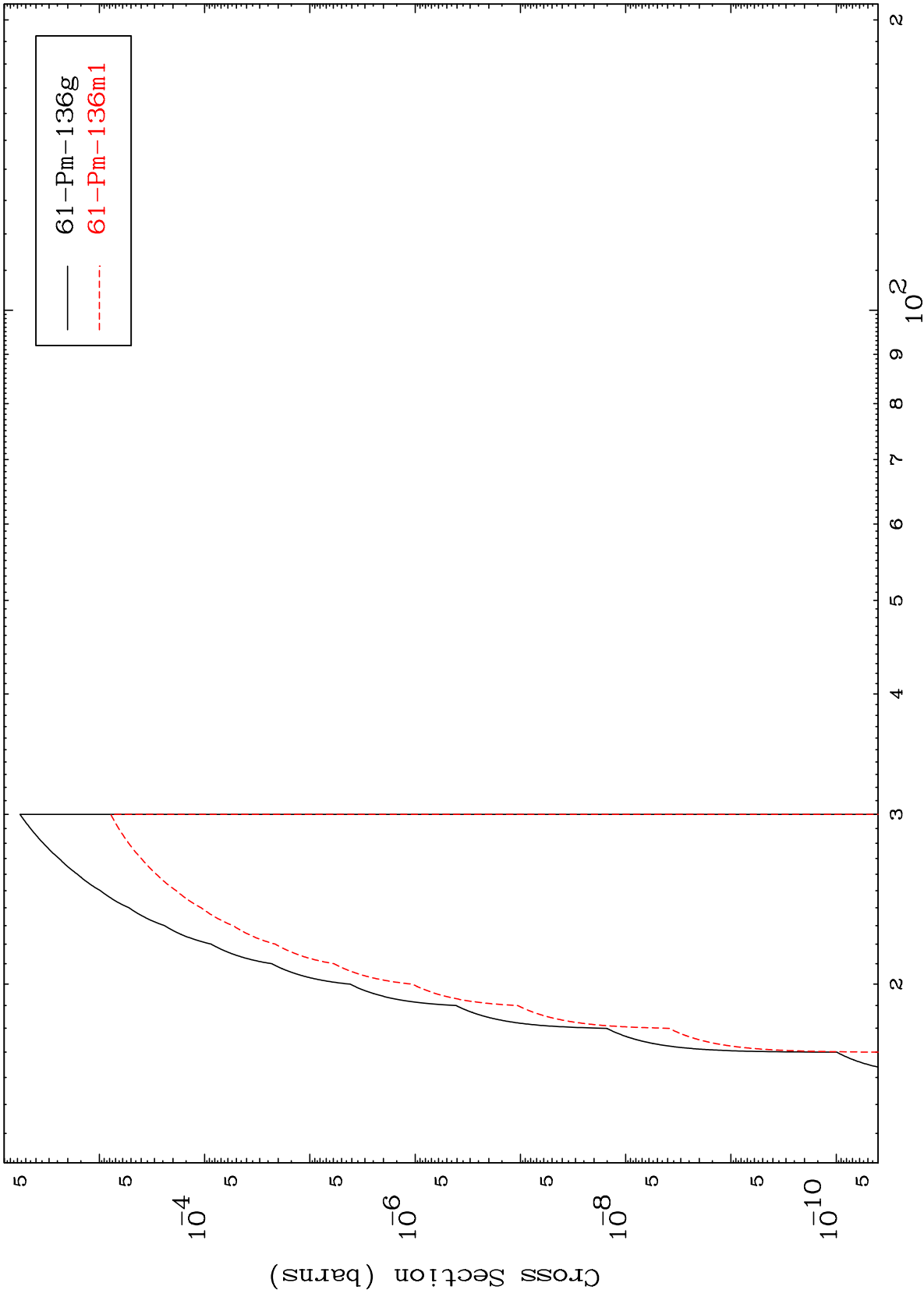
62-Sm-138

MAT 6207

(n,n') d

62-Sm-138

Radionuclide Production Cross Section



81

Incident Energy (MeV)

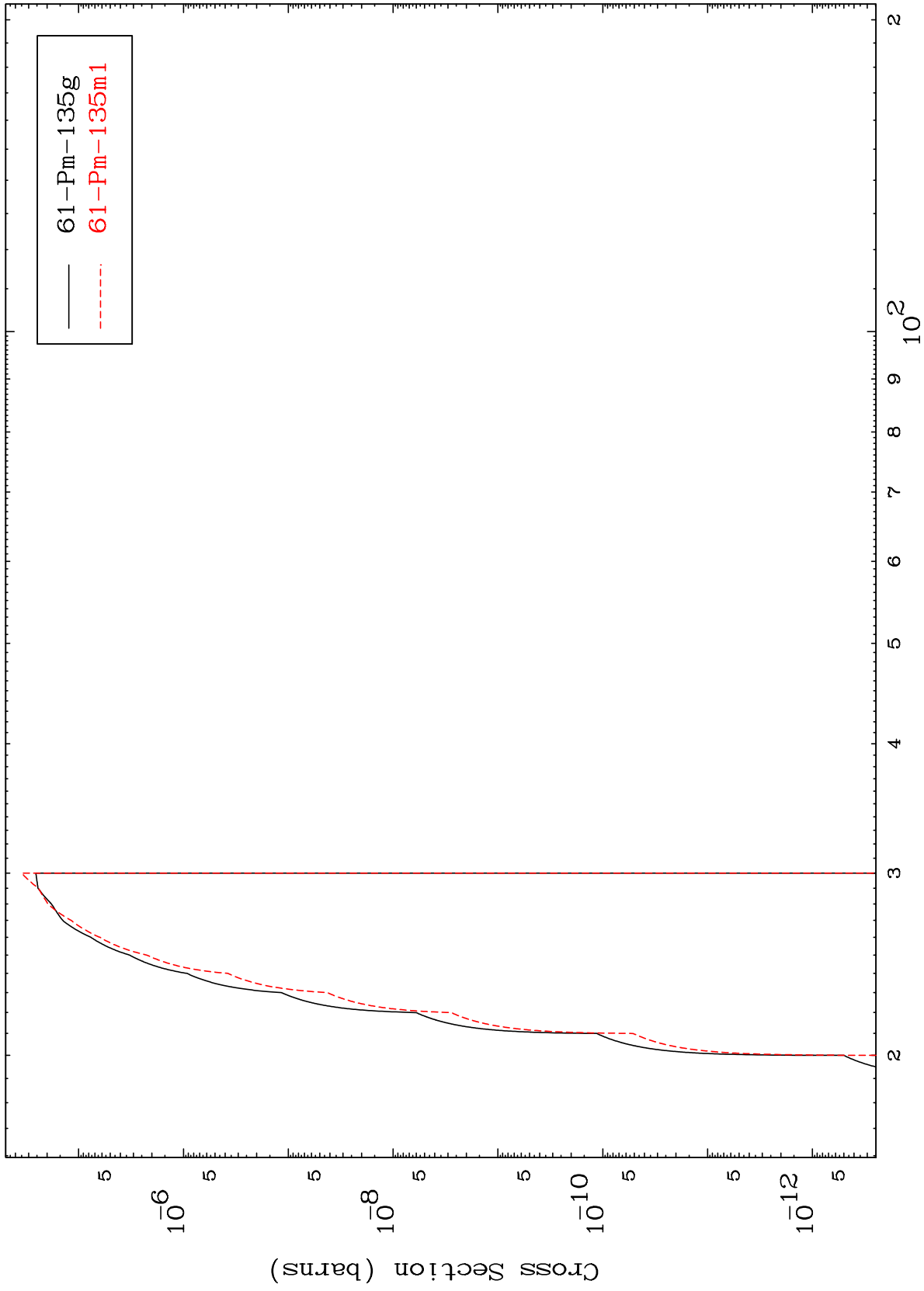
62-Sm-138

MAT 6207

(n,n') t

62-Sm-138

Radionuclide Production Cross Section



82

Incident Energy (MeV)

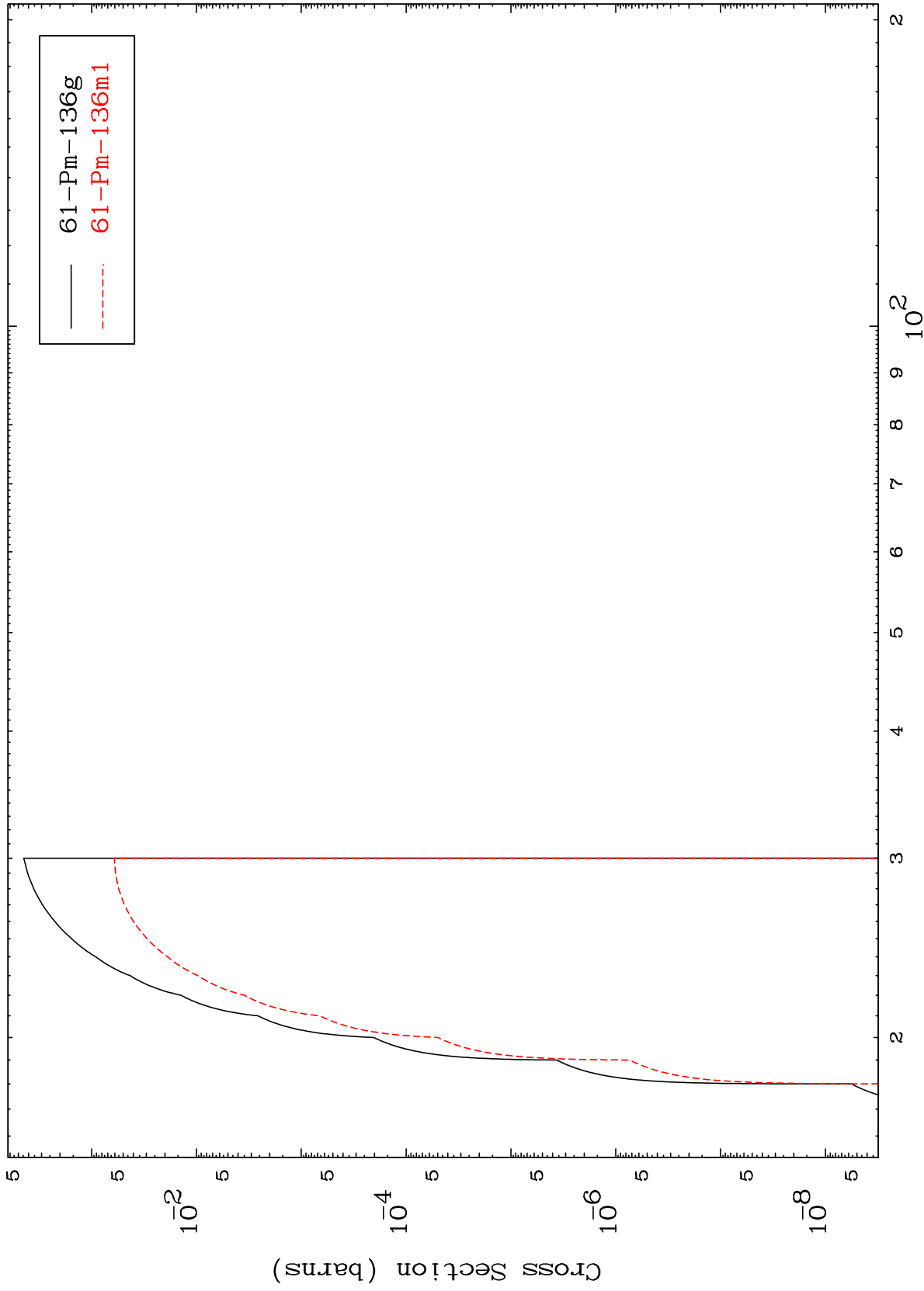
62-Sm-138

MAT 6207

(n,2n) p

62-Sm-138

Radionuclide Production Cross Section



83

Incident Energy (MeV)

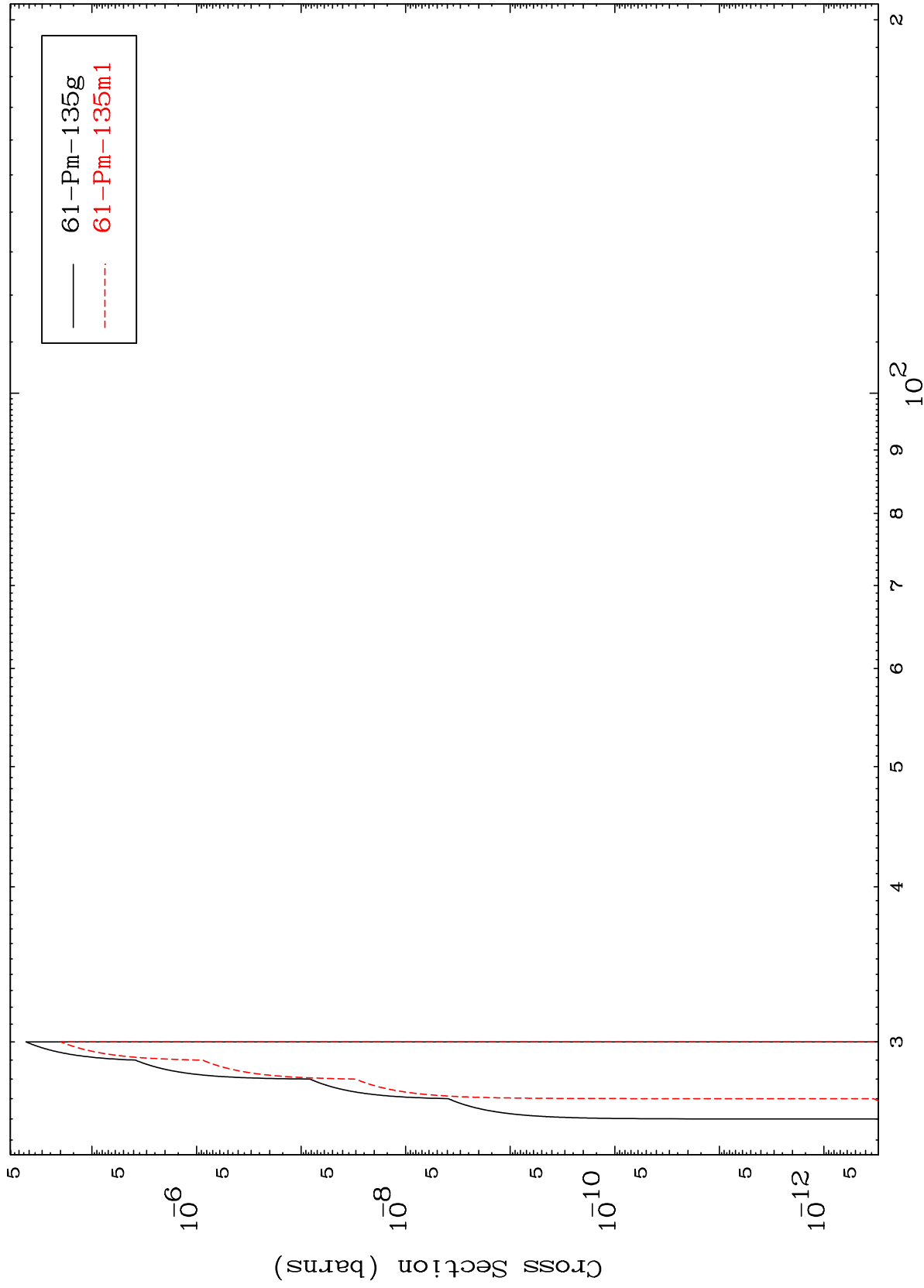
62-Sm-138

MAT 6207

(n,3n) p

62-Sm-138

Radionuclide Production Cross Section



84

Incident Energy (MeV)

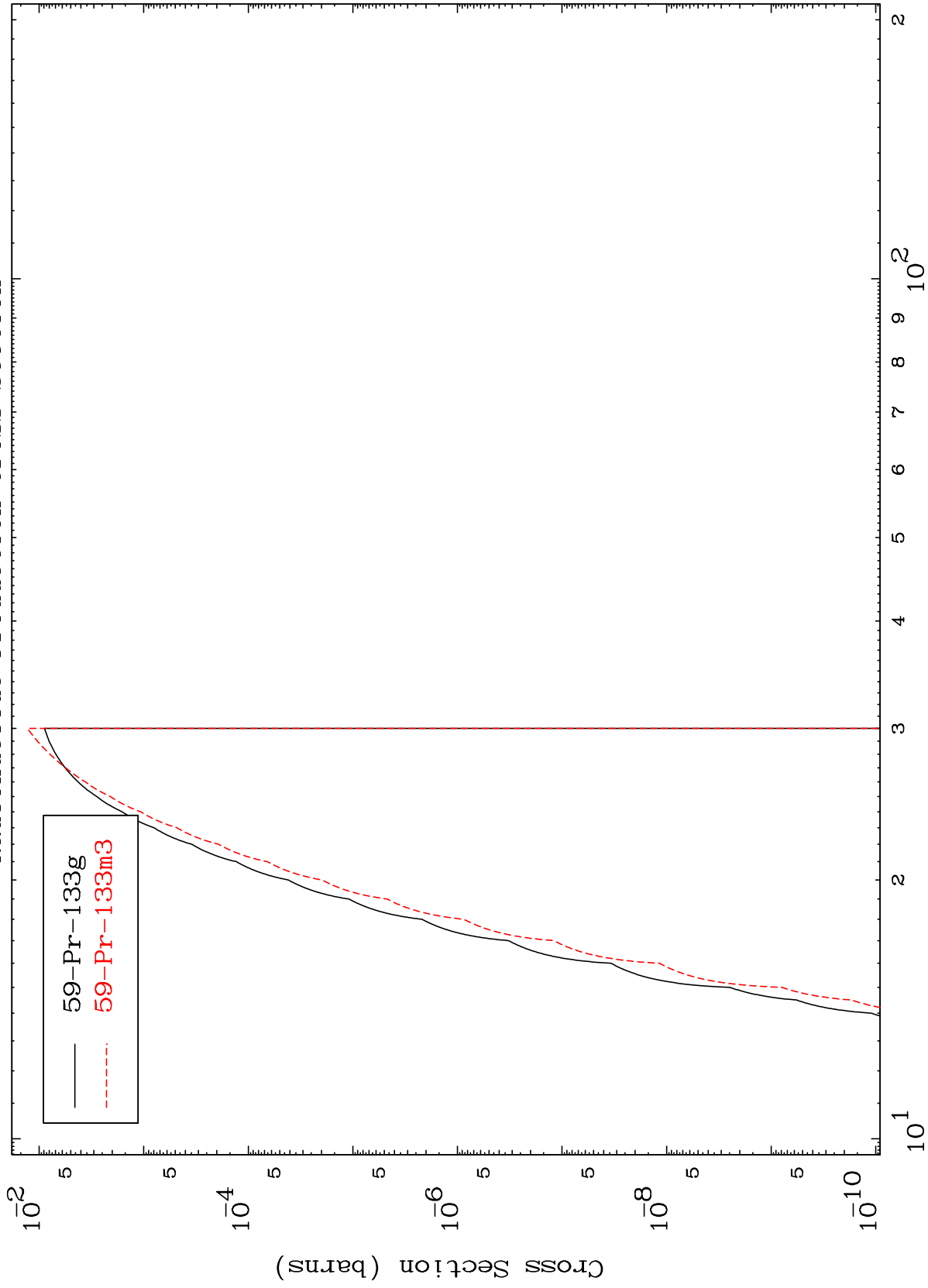
62-Sm-138

MAT 6207

(n,n') p α

62-Sm-138

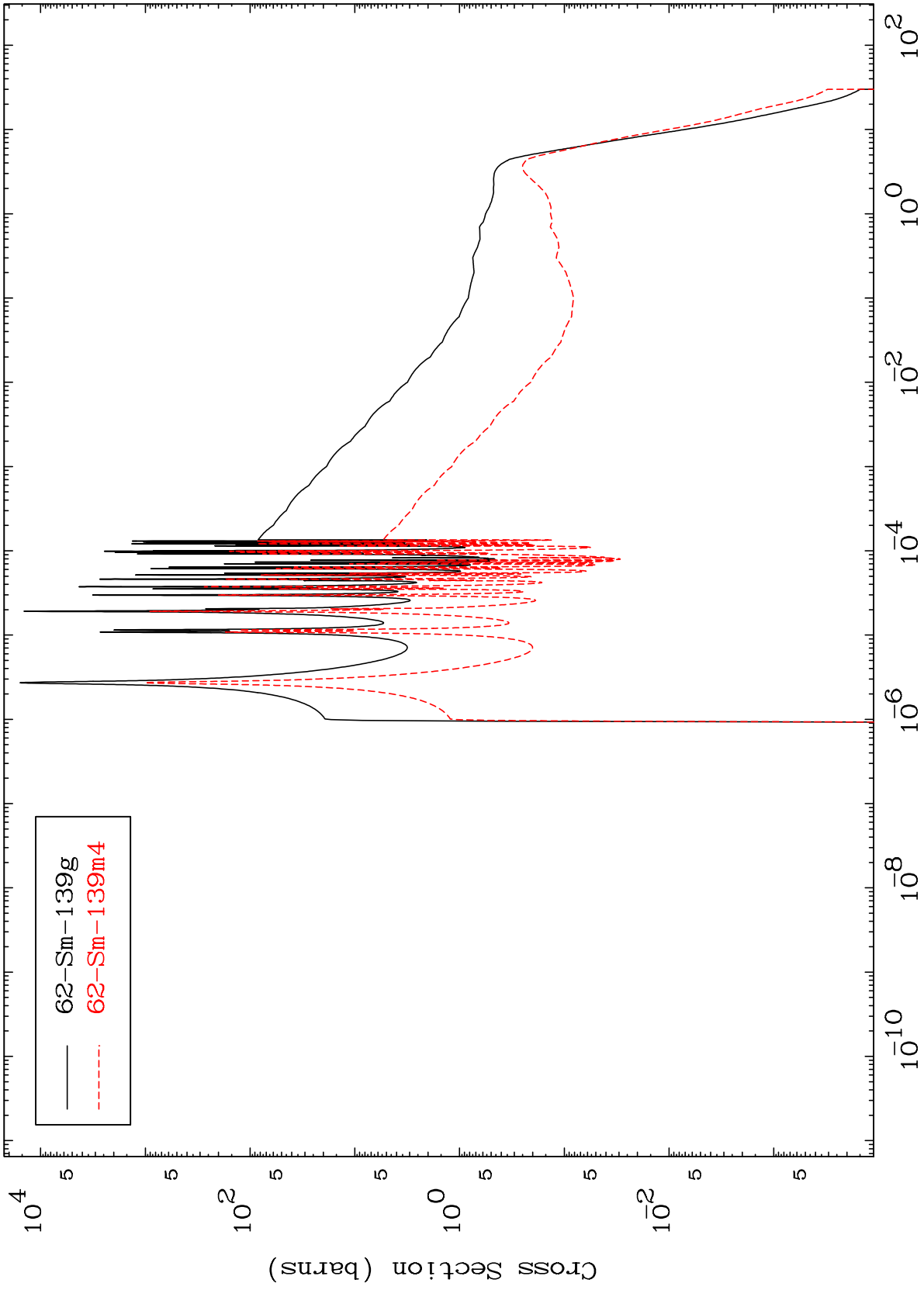
Radionuclide Production Cross Section



MAT 6207

62-Sm-138

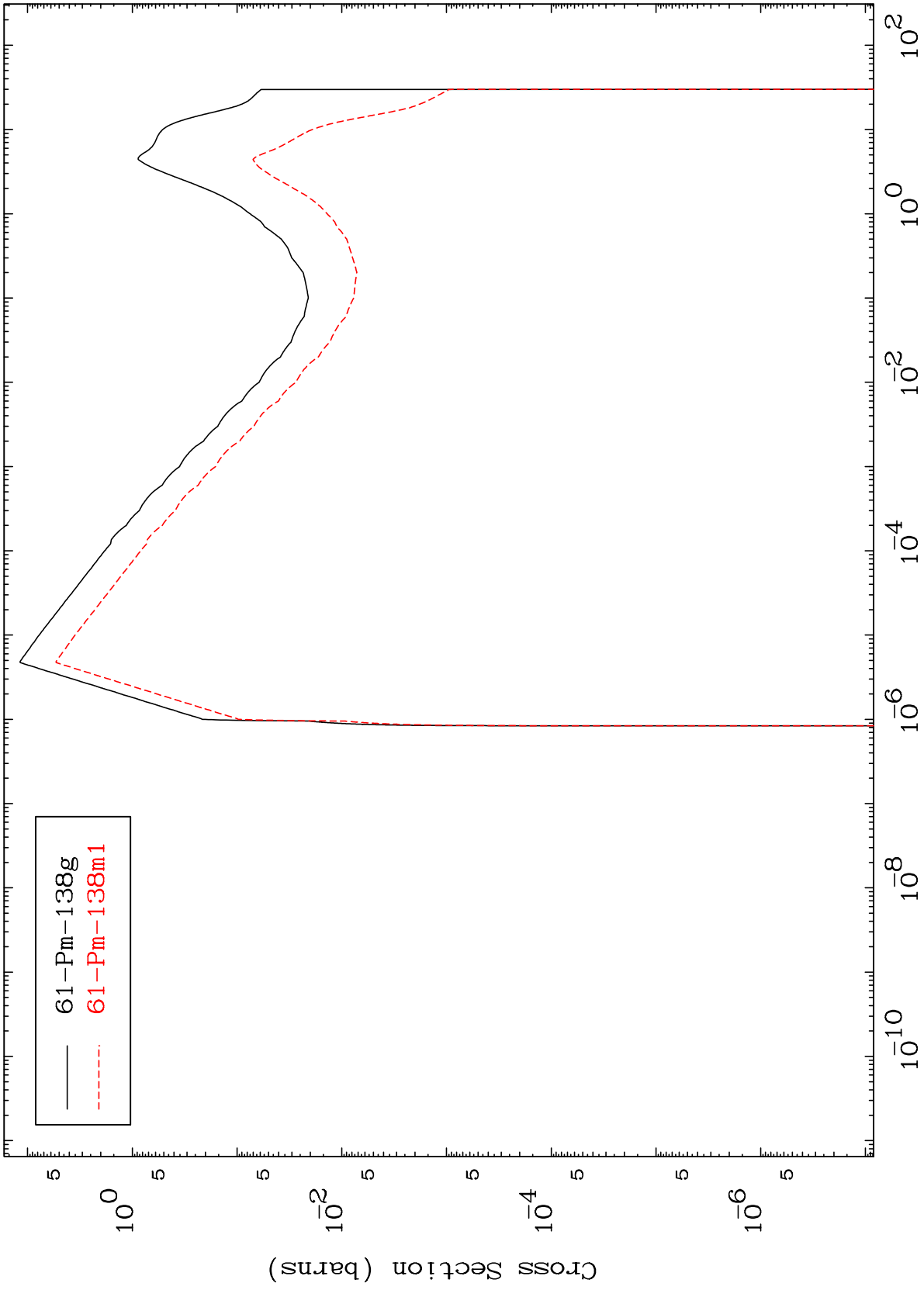
Radionuclide Production Cross Section



MAT 6207

62-Sm-138

Radionuclide Production Cross Section (n,p)

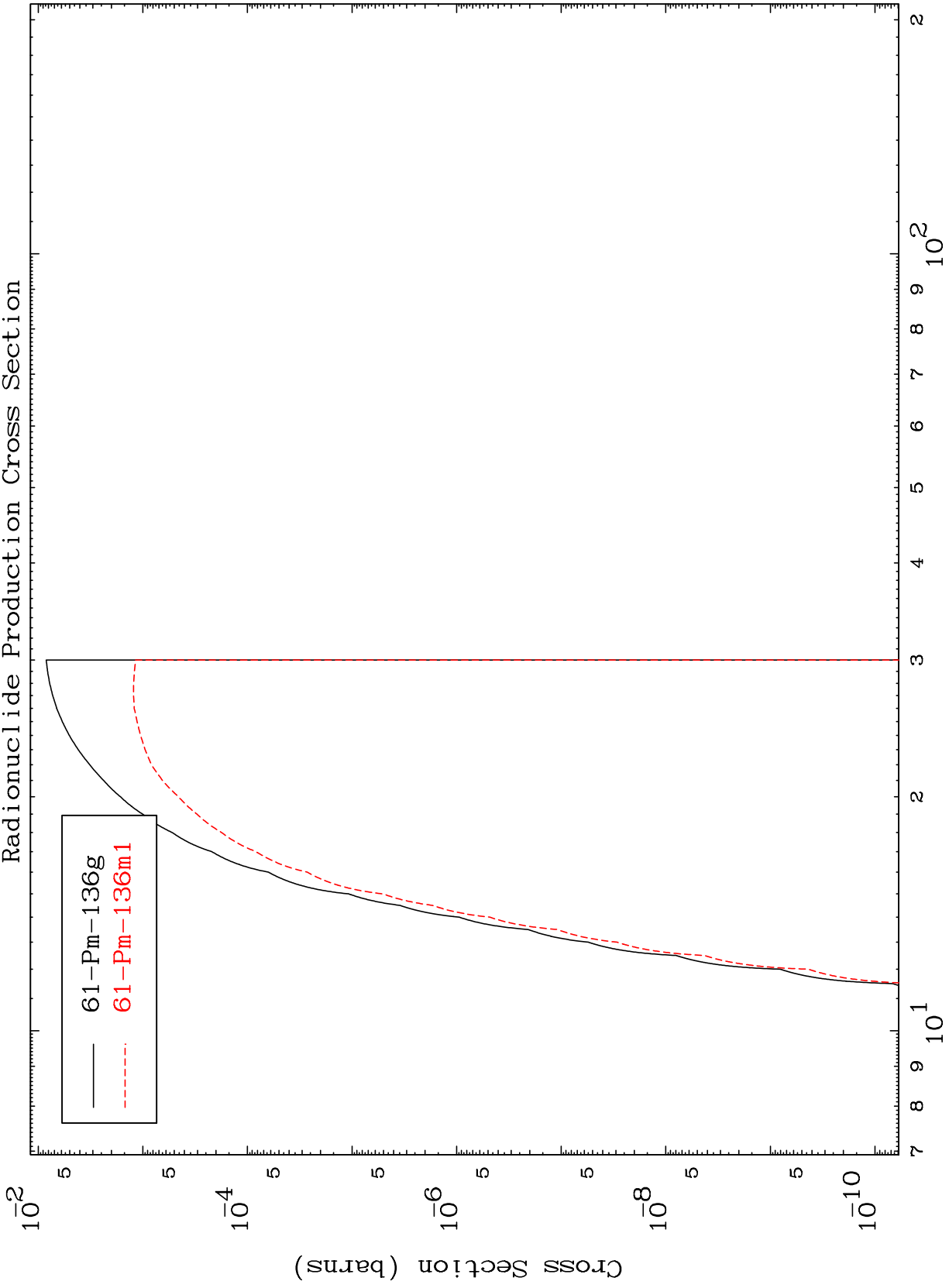


61-Pm-138g
61-Pm-138m1

MAT 6207

62-Sm-138

(n, t)
Radionuclide Production Cross Section



88

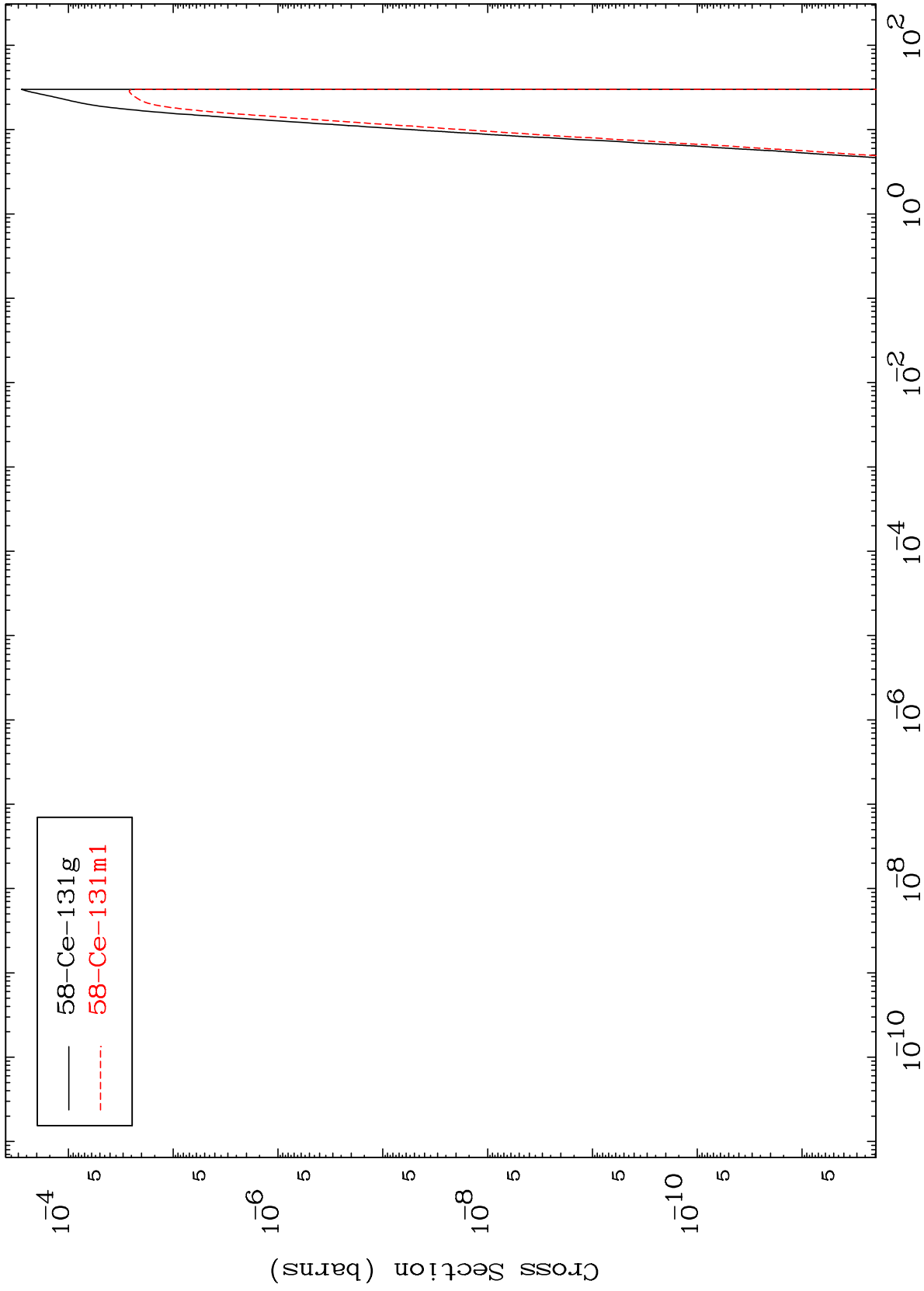
62-Sm-138

MAT 6207

(n,2α)

62-Sm-138

Radionuclide Production Cross Section



89

Incident Energy (MeV)

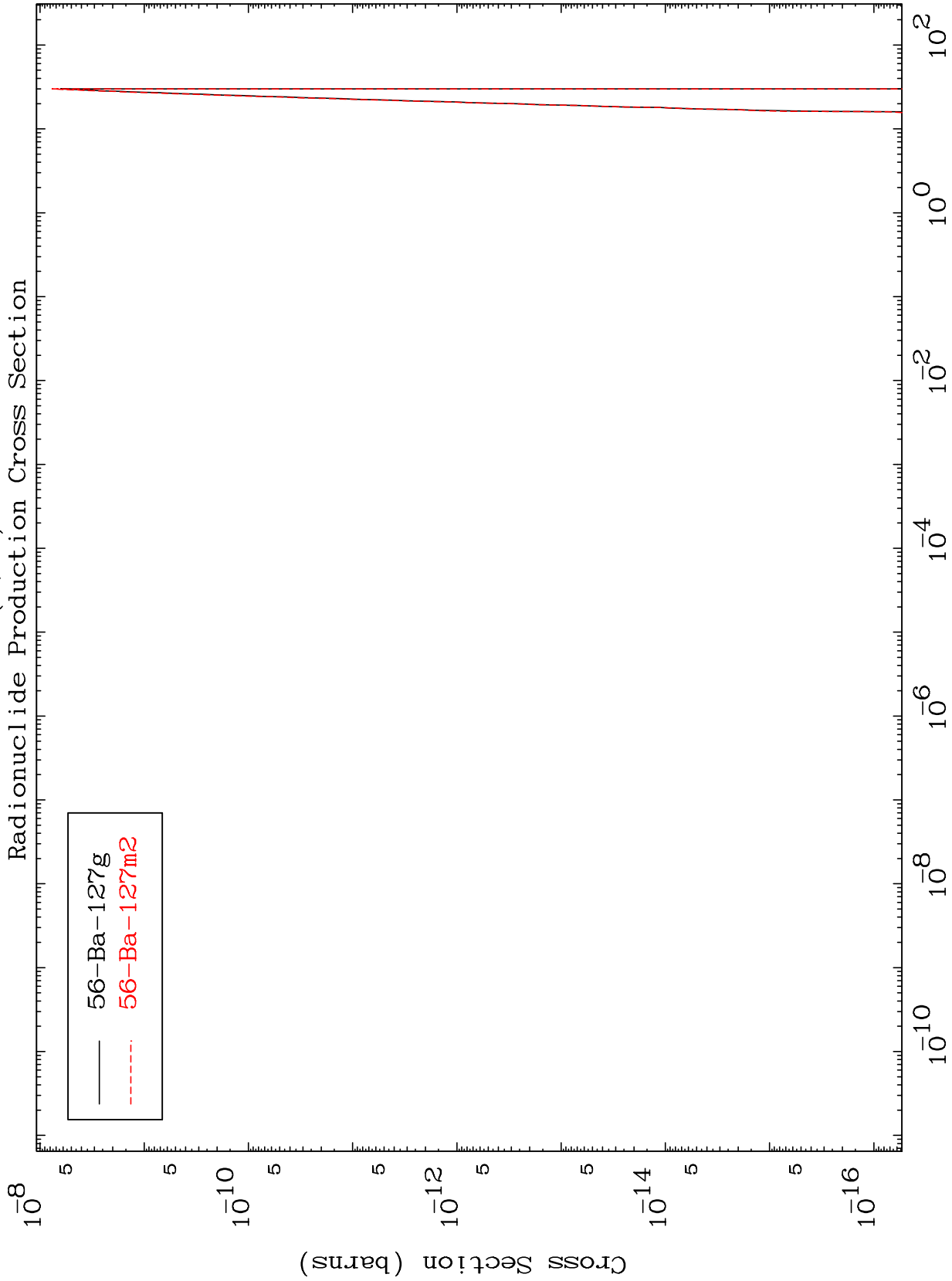
62-Sm-138

MAT 6207

(n,3α)

62-Sm-138

Radionuclide Production Cross Section



90

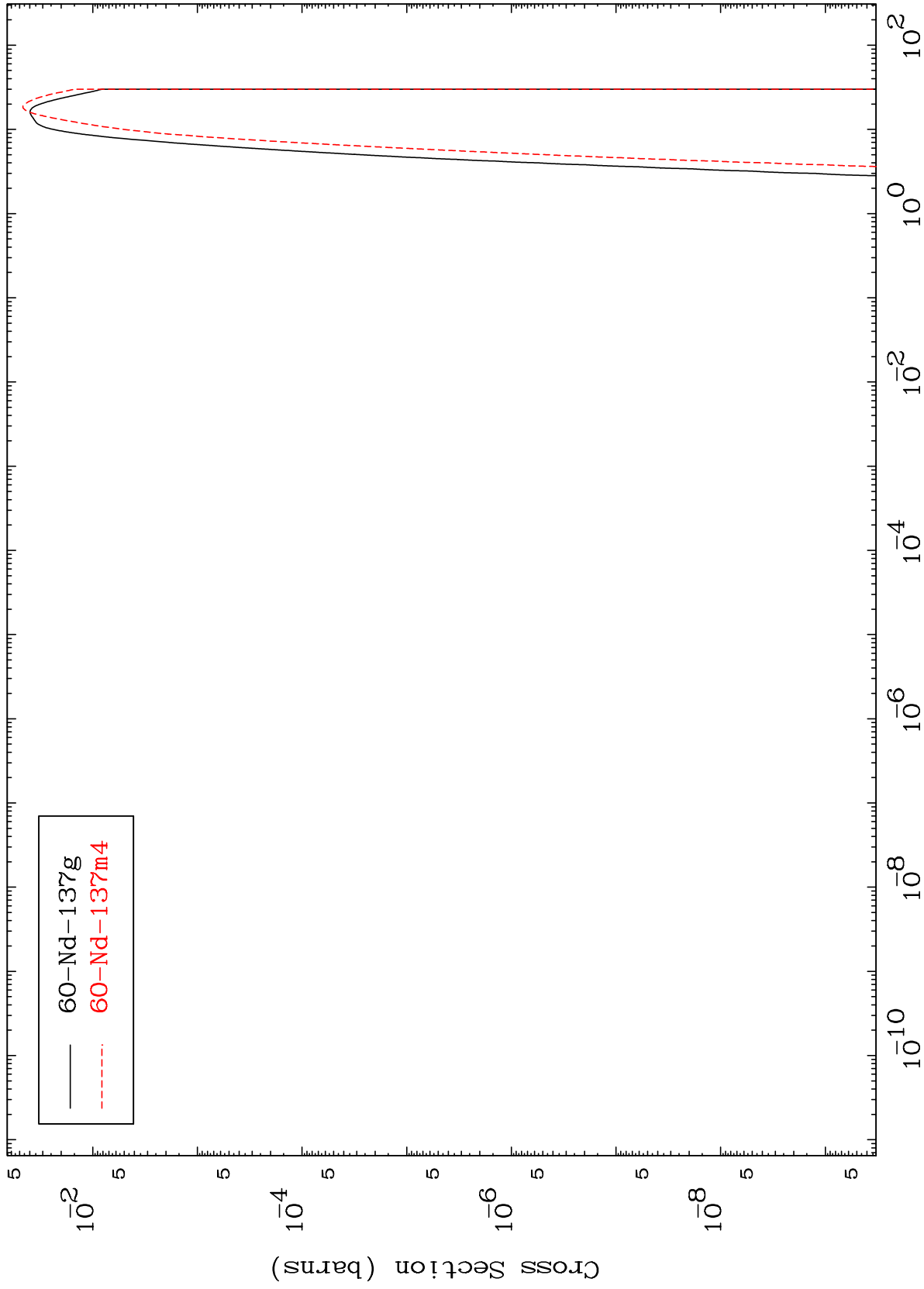
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,2p)
Radionuclide Production Cross Section

62-Sm-138

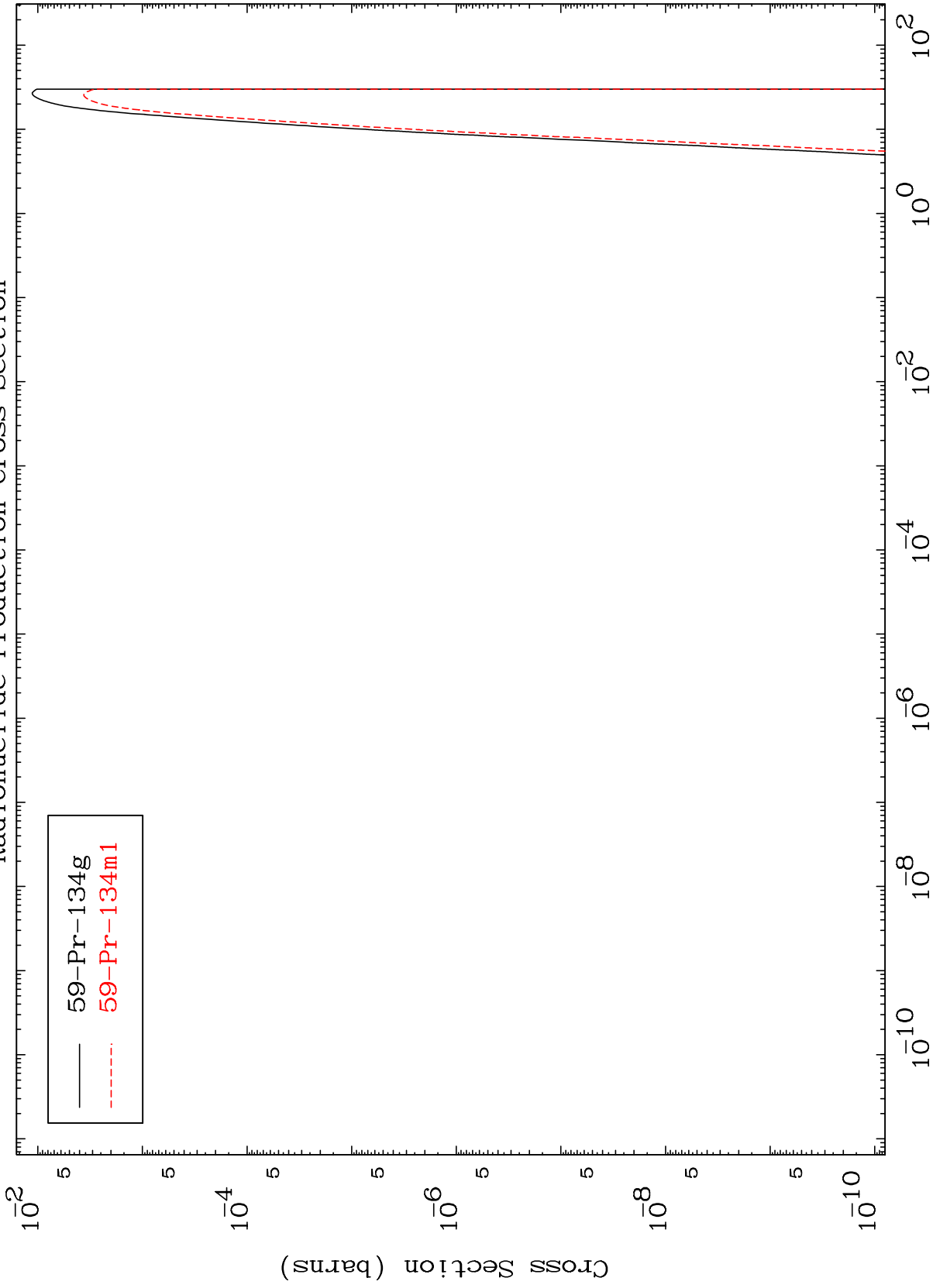


MAT 6207

(n,p) α

62-Sm-138

Radionuclide Production Cross Section



92

Incident Energy (MeV)

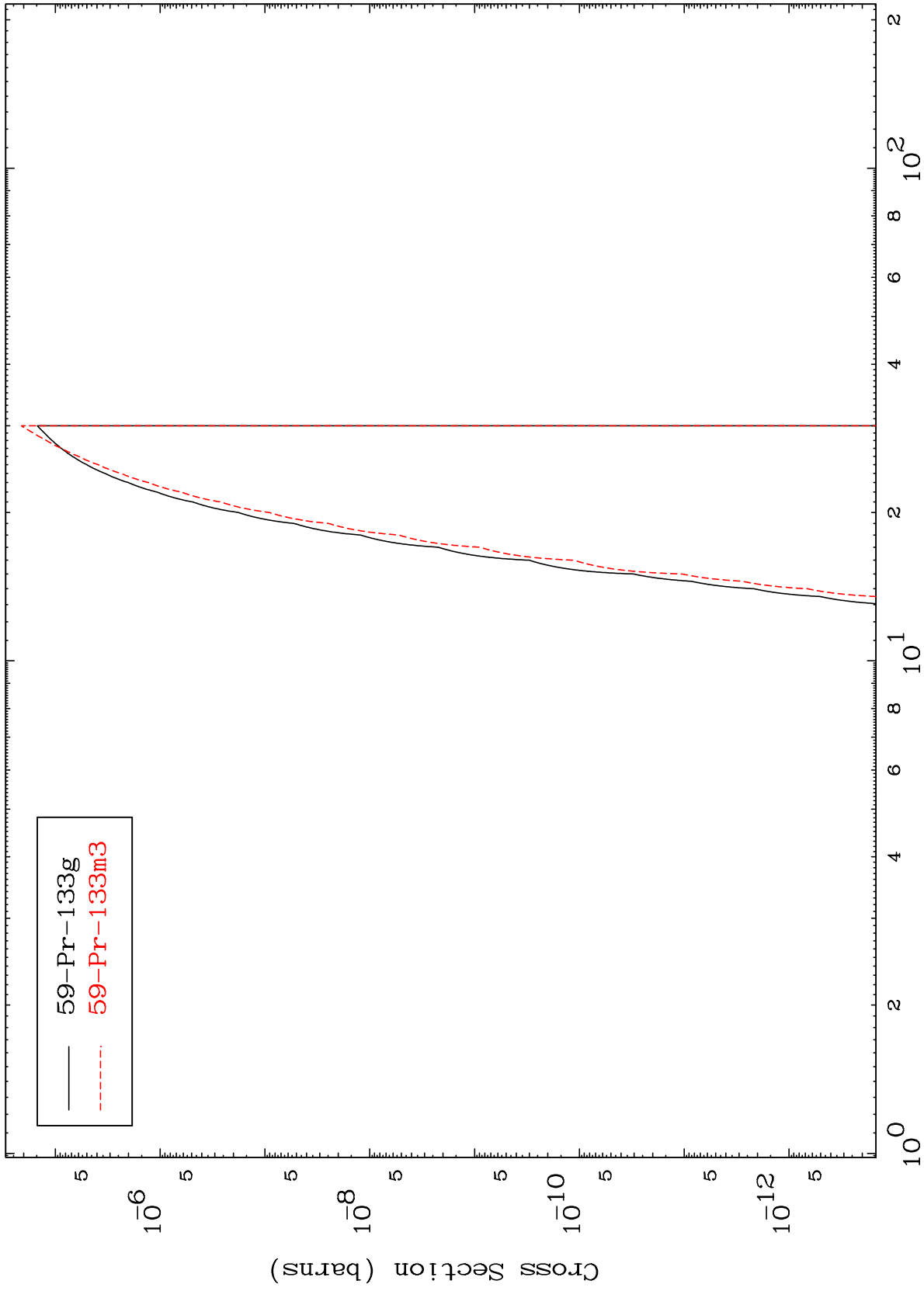
62-Sm-138

MAT 6207

(n,d) α

62-Sm-138

Radionuclide Production Cross Section



93

Incident Energy (MeV)

62-Sm-138