

Program EVALPLOT
(Version 2018-1)

by

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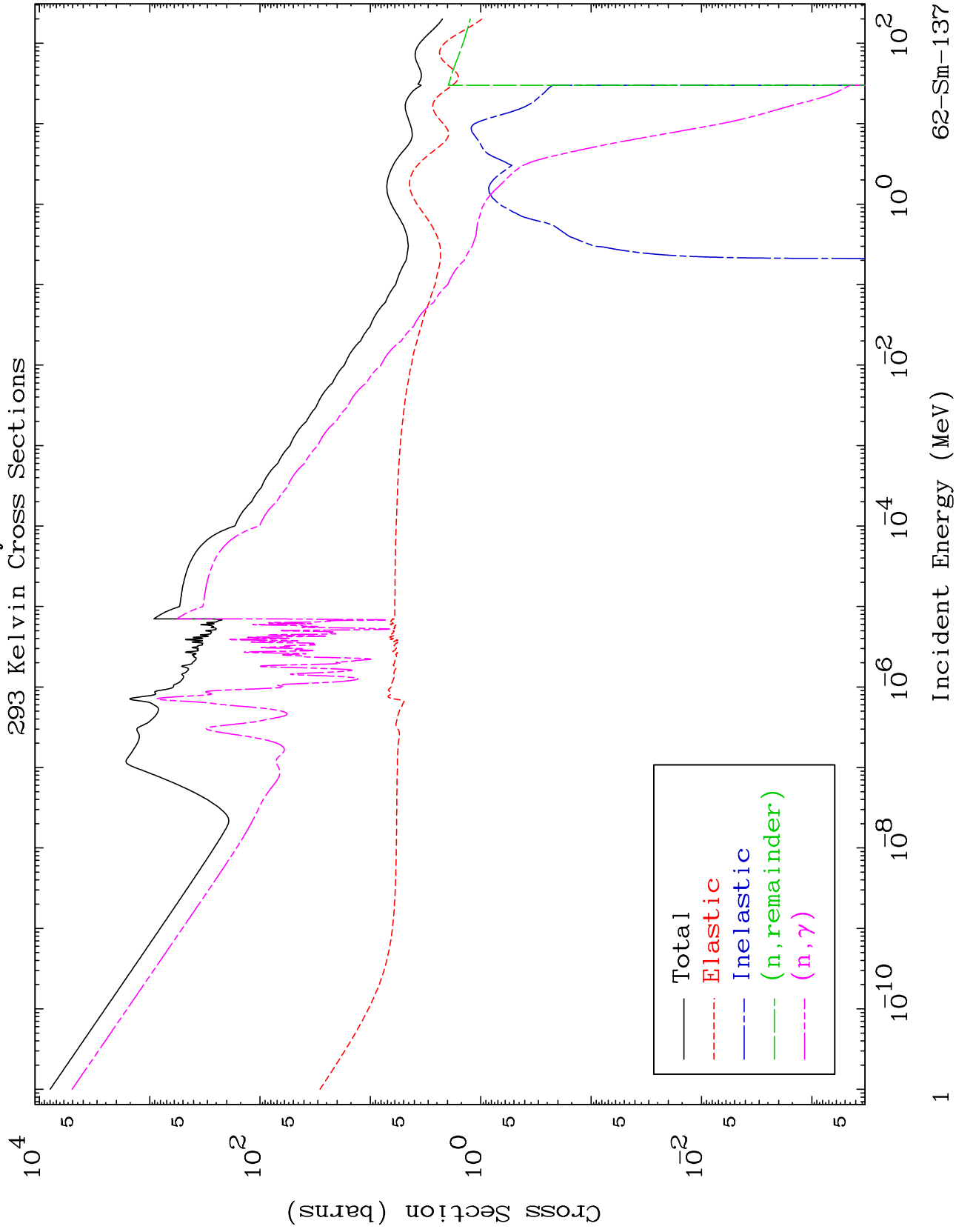
Press Mouse Button to Start

MAT 6204

Major

293 Kelvin Cross Sections

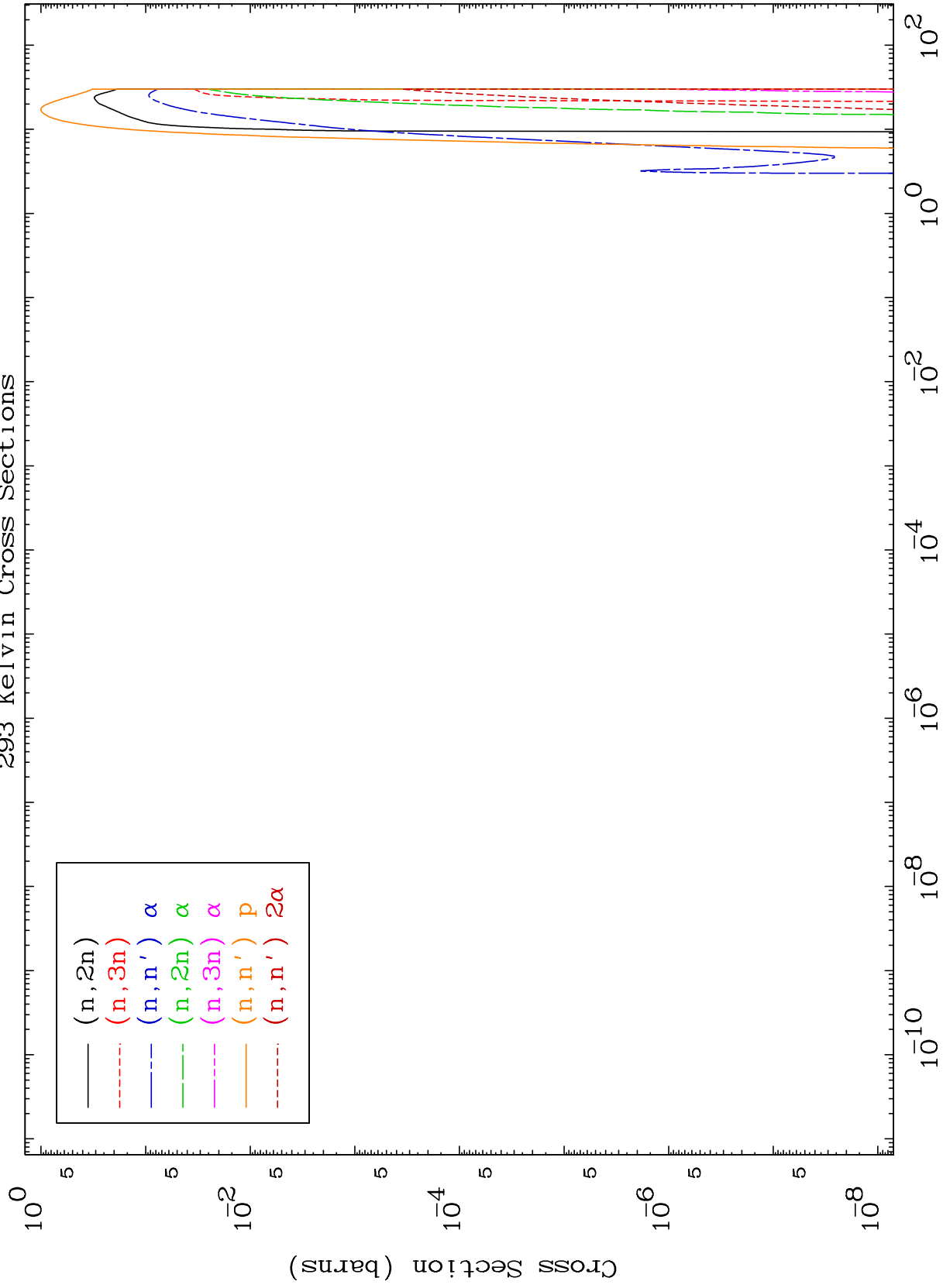
62-Sm-137



MAT 6204

Neutron Production
293 Kelvin Cross Sections

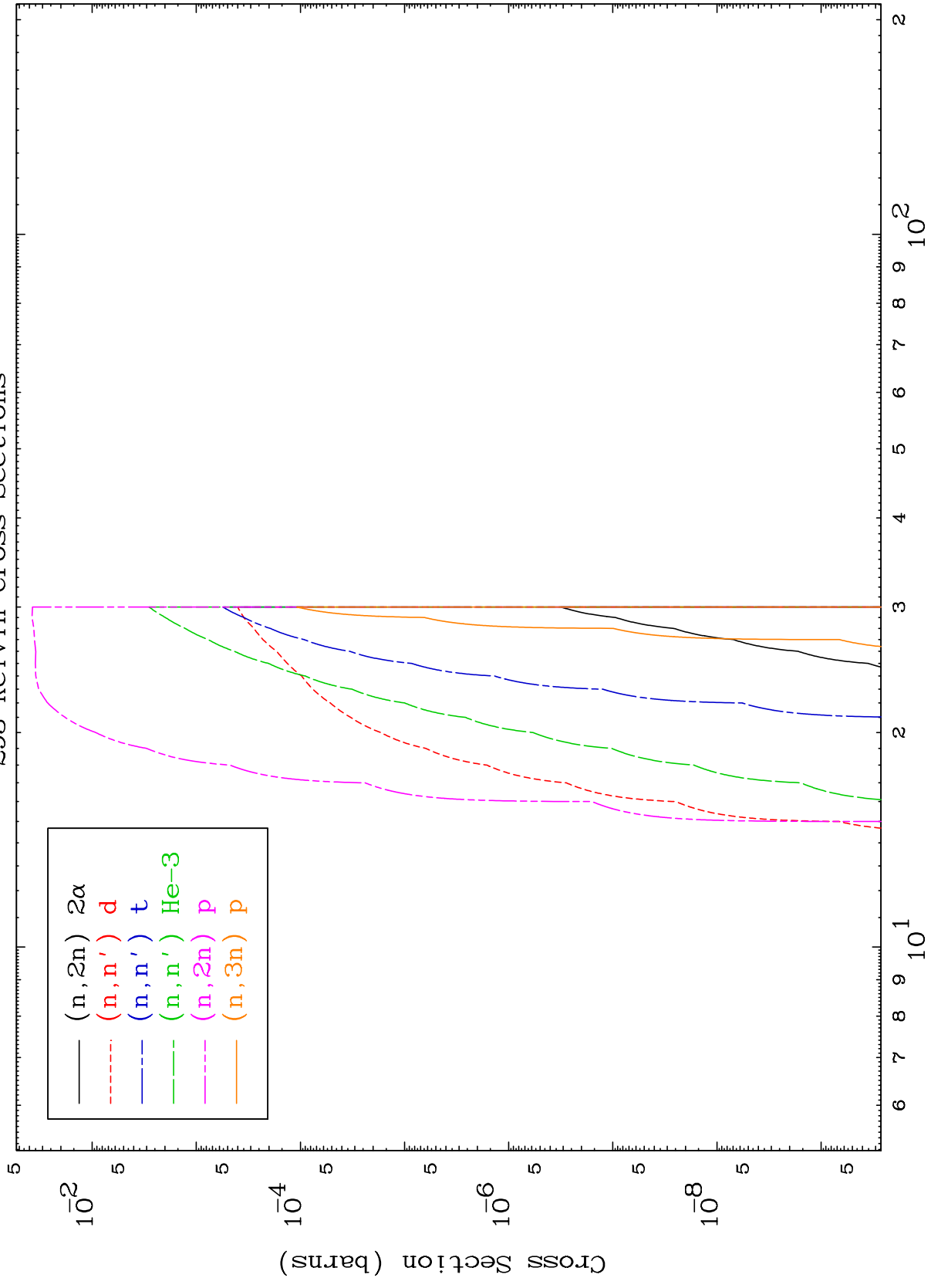
62-Sm-137



2

Incident Energy (MeV)

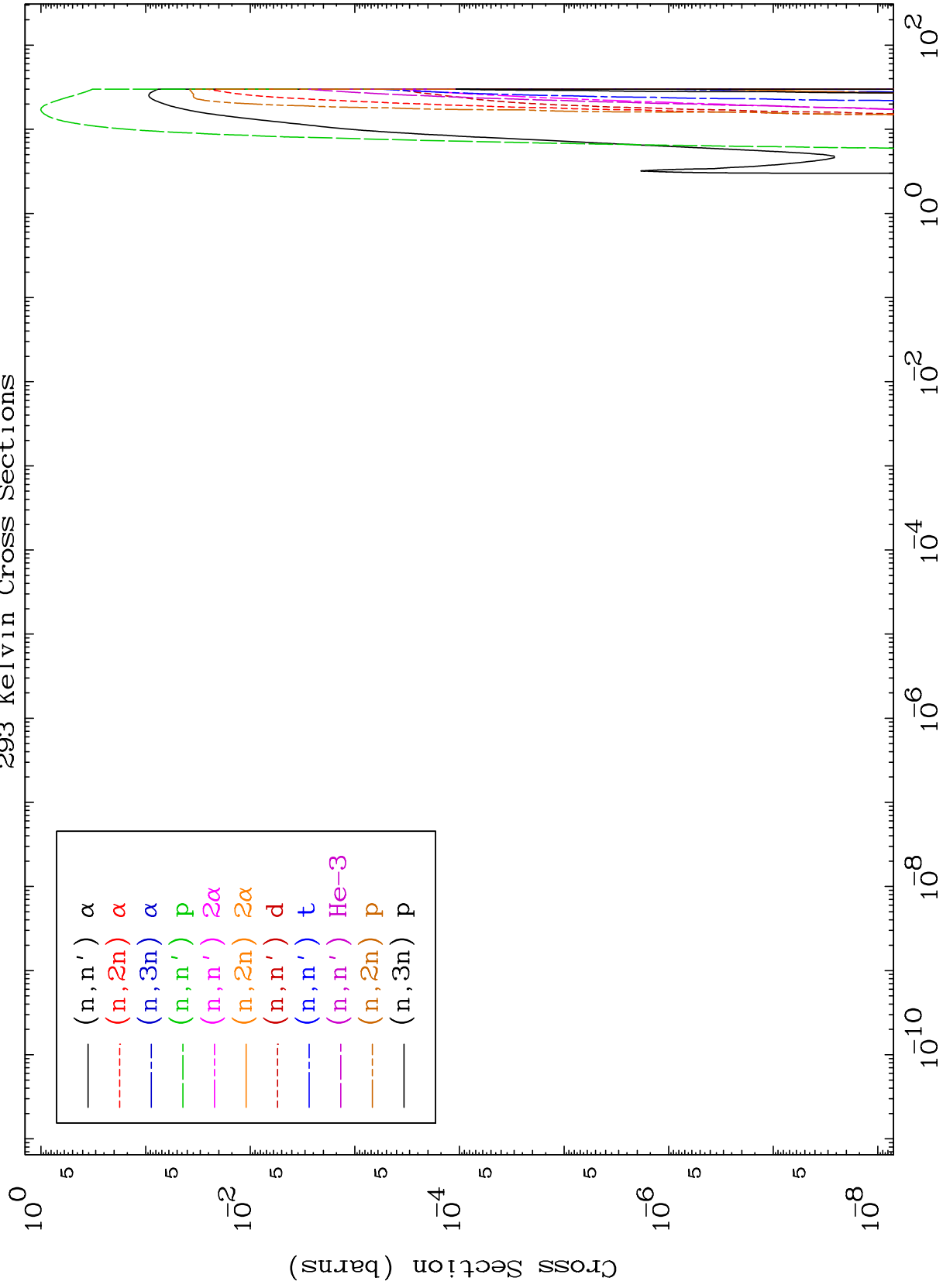
62-Sm-137



MAT 6204

Charged Particle
293 Kelvin Cross Sections

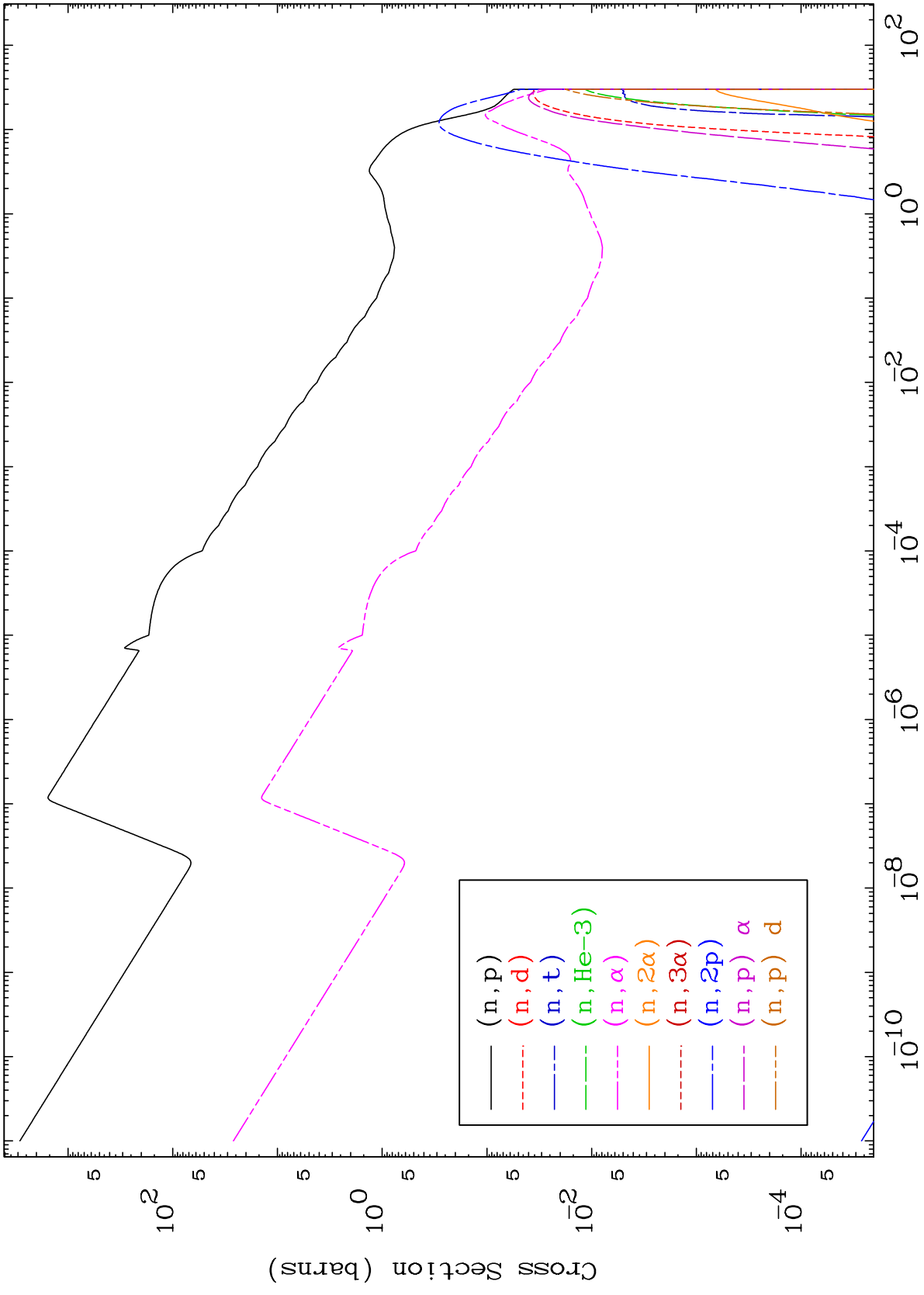
62-Sm-137



MAT 6204

293 Kelvin Cross Sections

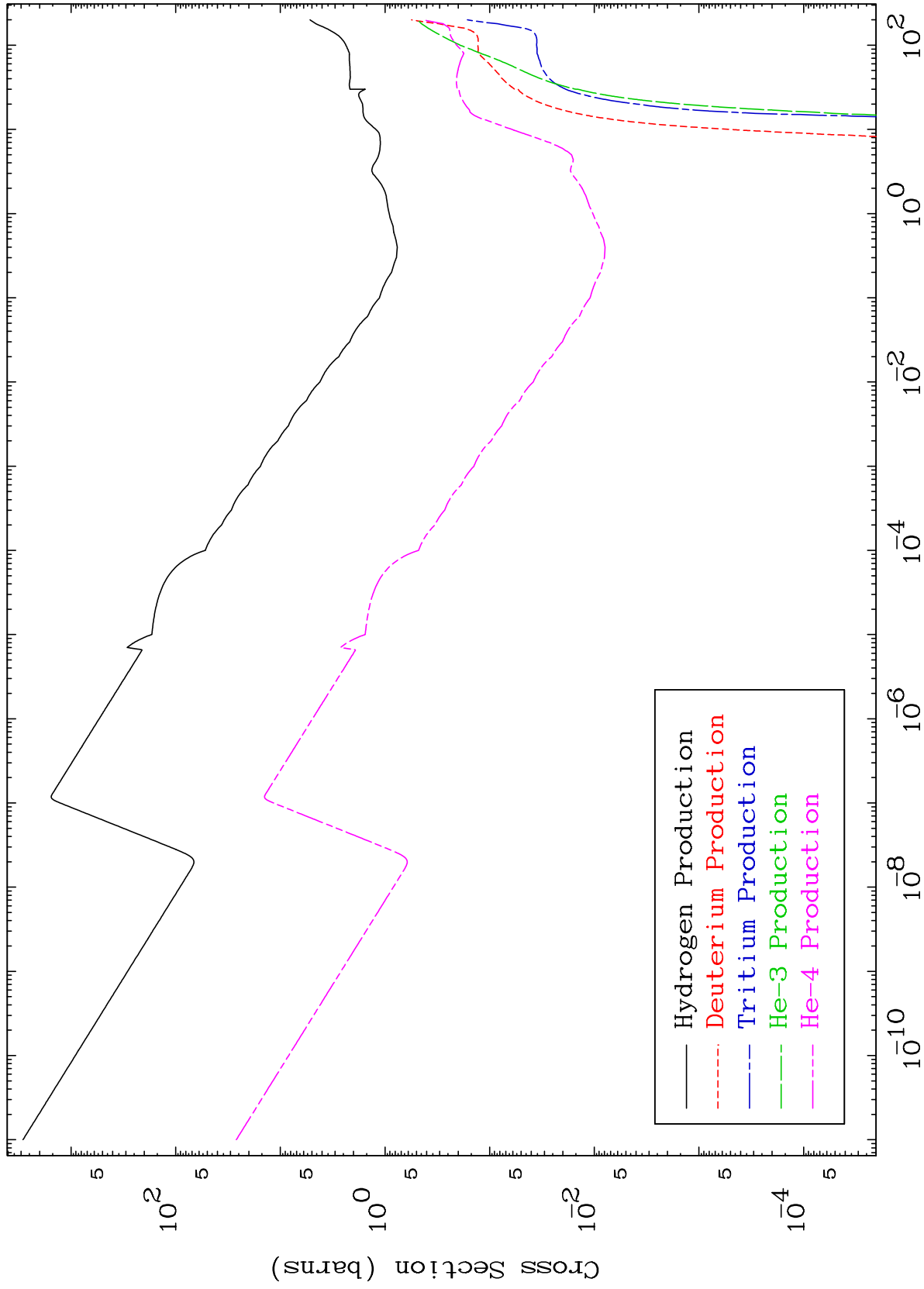
62-Sm-137



5

Incident Energy (MeV)

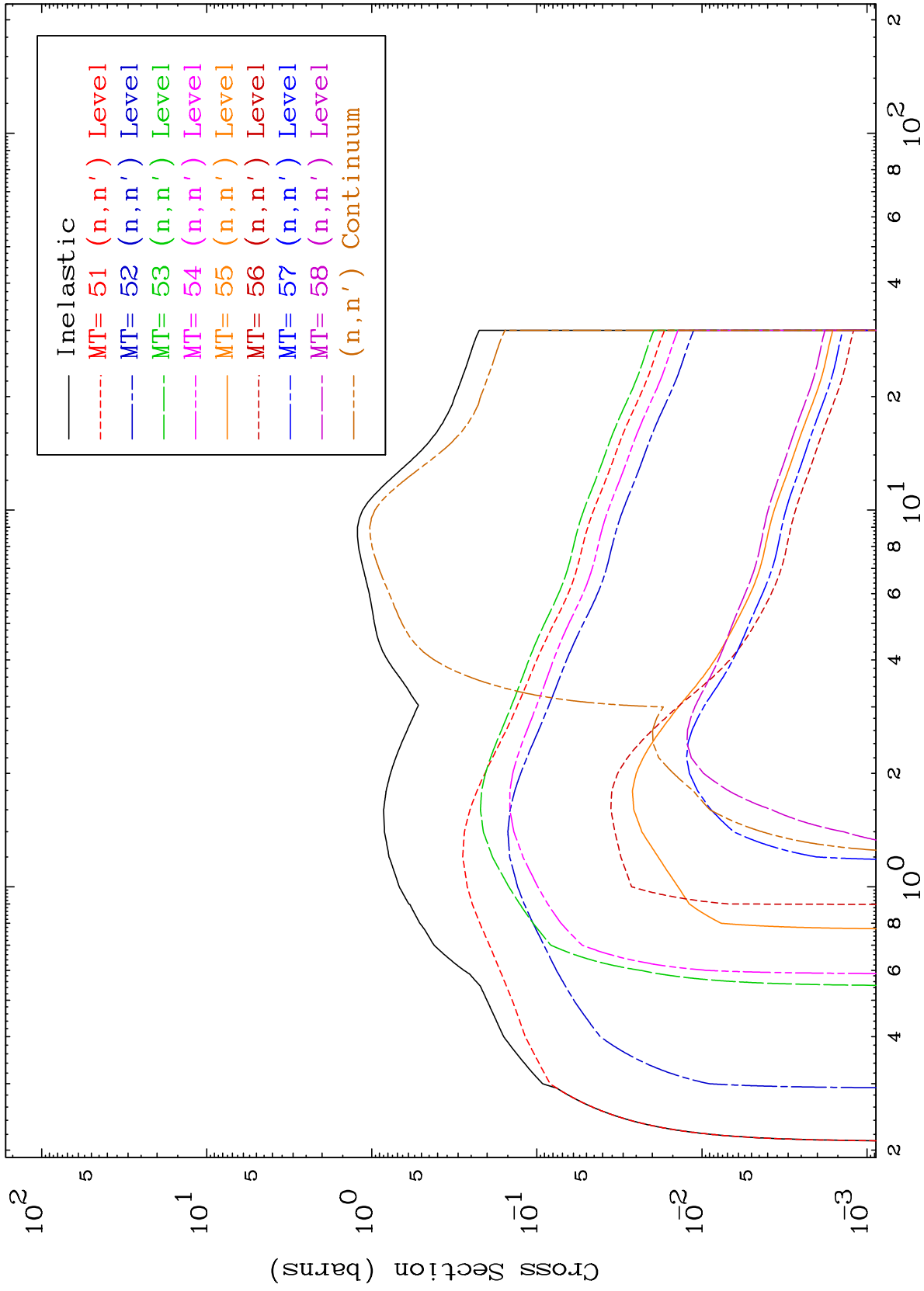
62-Sm-137



MAT 6204

(n,n') Level
293 Kelvin Cross Sections

62-Sm-137



7

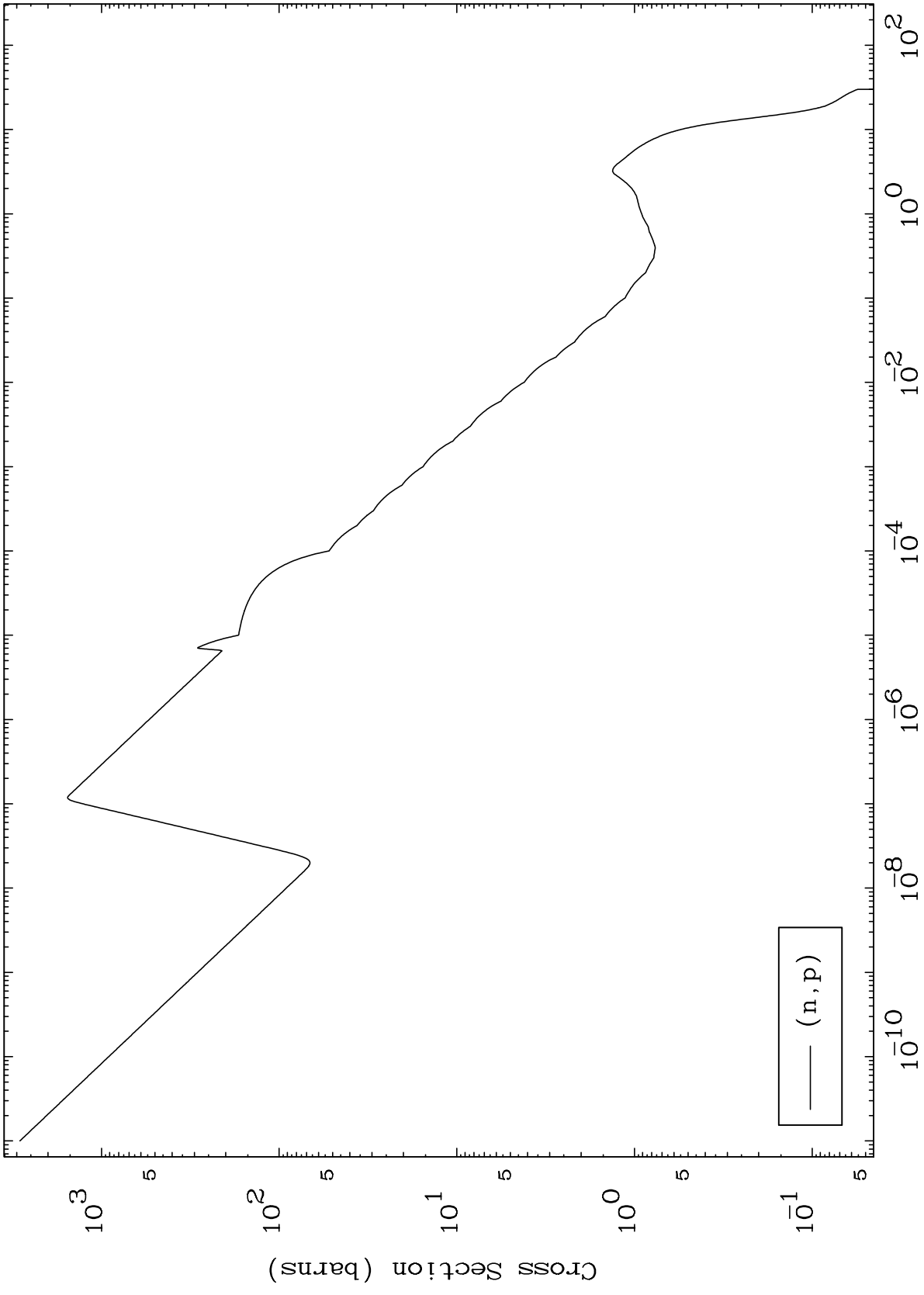
Incident Energy (MeV)

62-Sm-137

MAT 6204

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-137

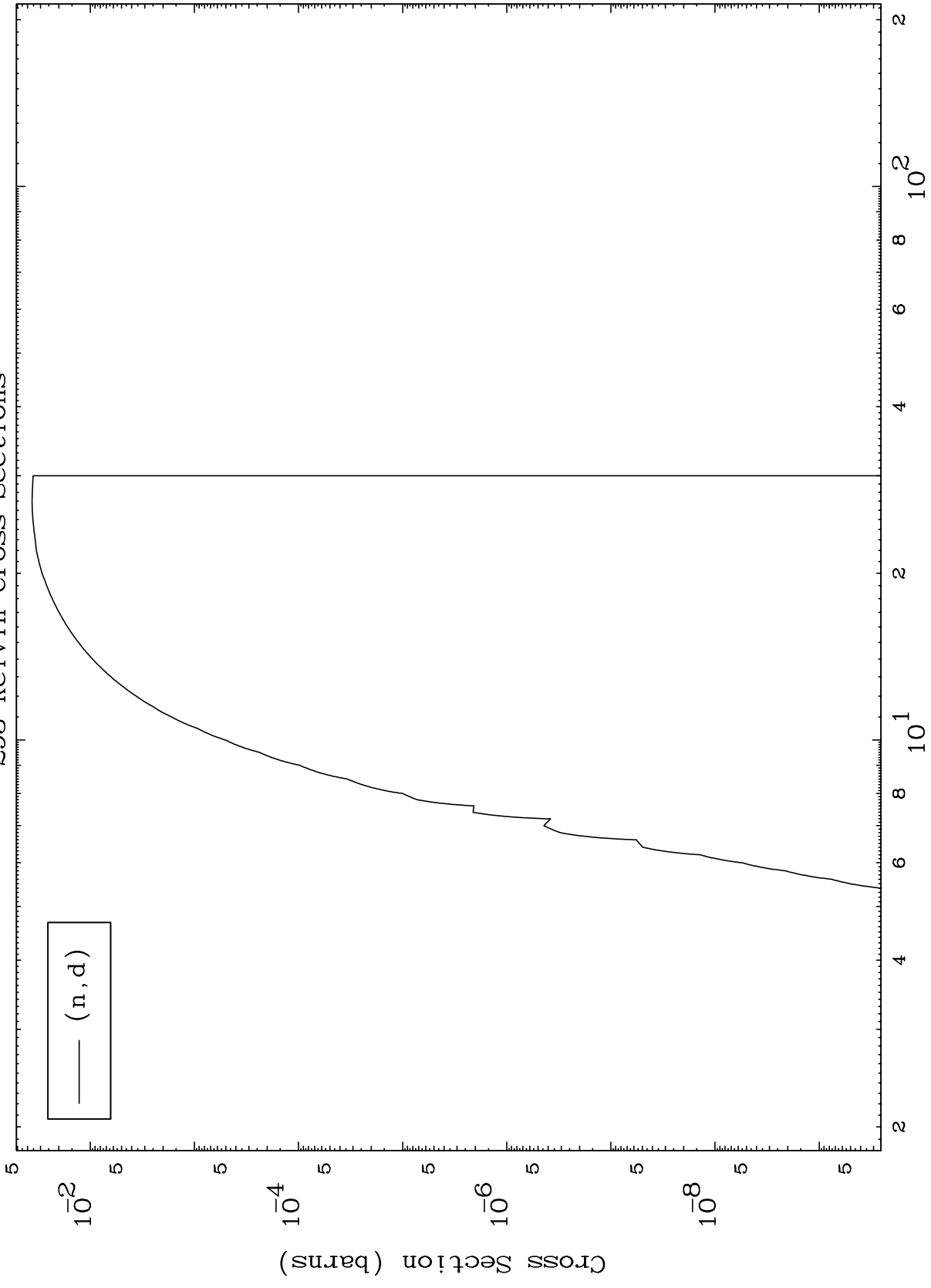


62-Sm-137

MAT 6204

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-137



9

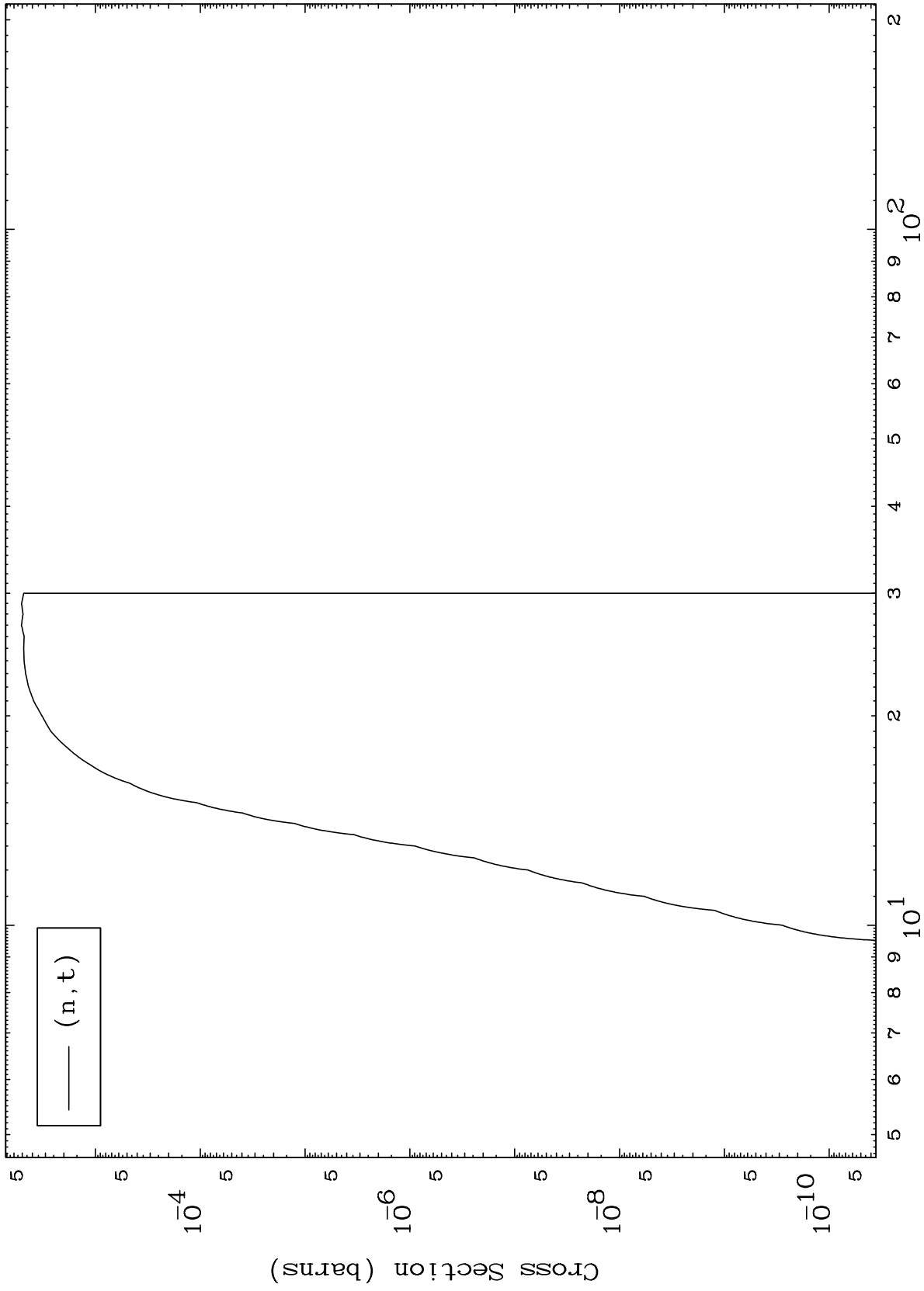
Incident Energy (MeV)

62-Sm-137

MAT 6204

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-137



10

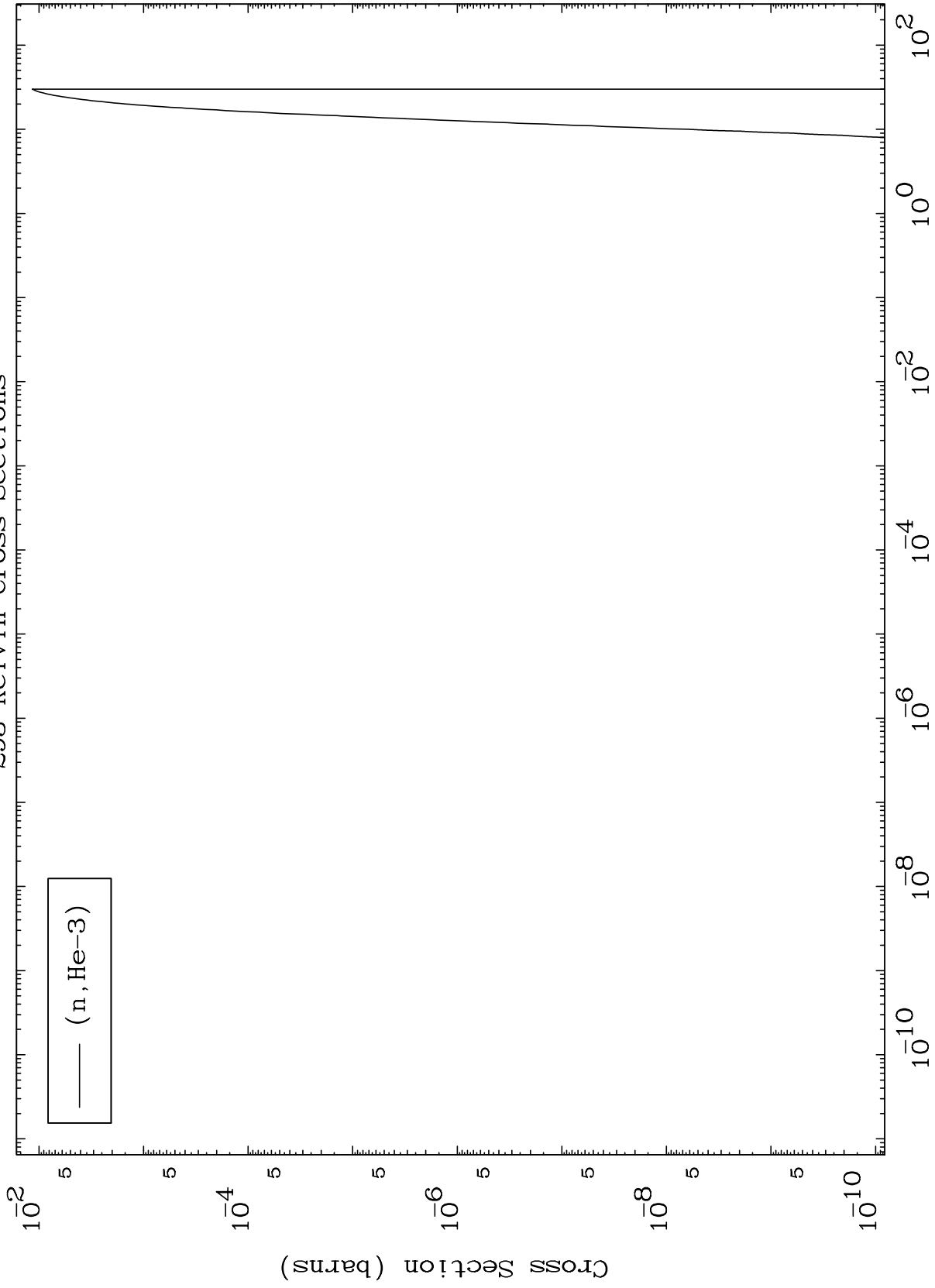
Incident Energy (MeV)

62-Sm-137

MAT 6204

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-137

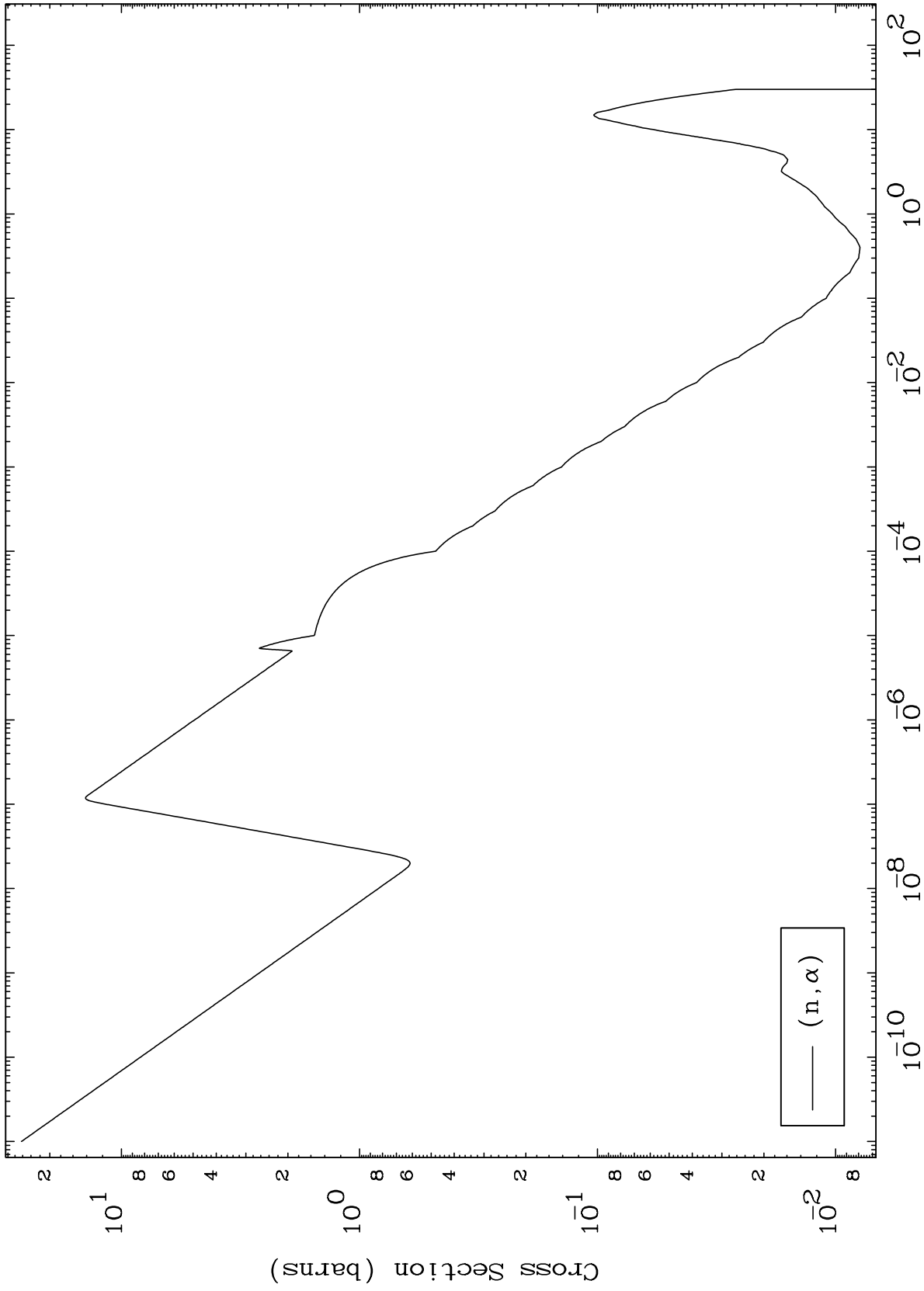


(n, He-3)

MAT 6204

(n,α) Levels
293 Kelvin Cross Sections

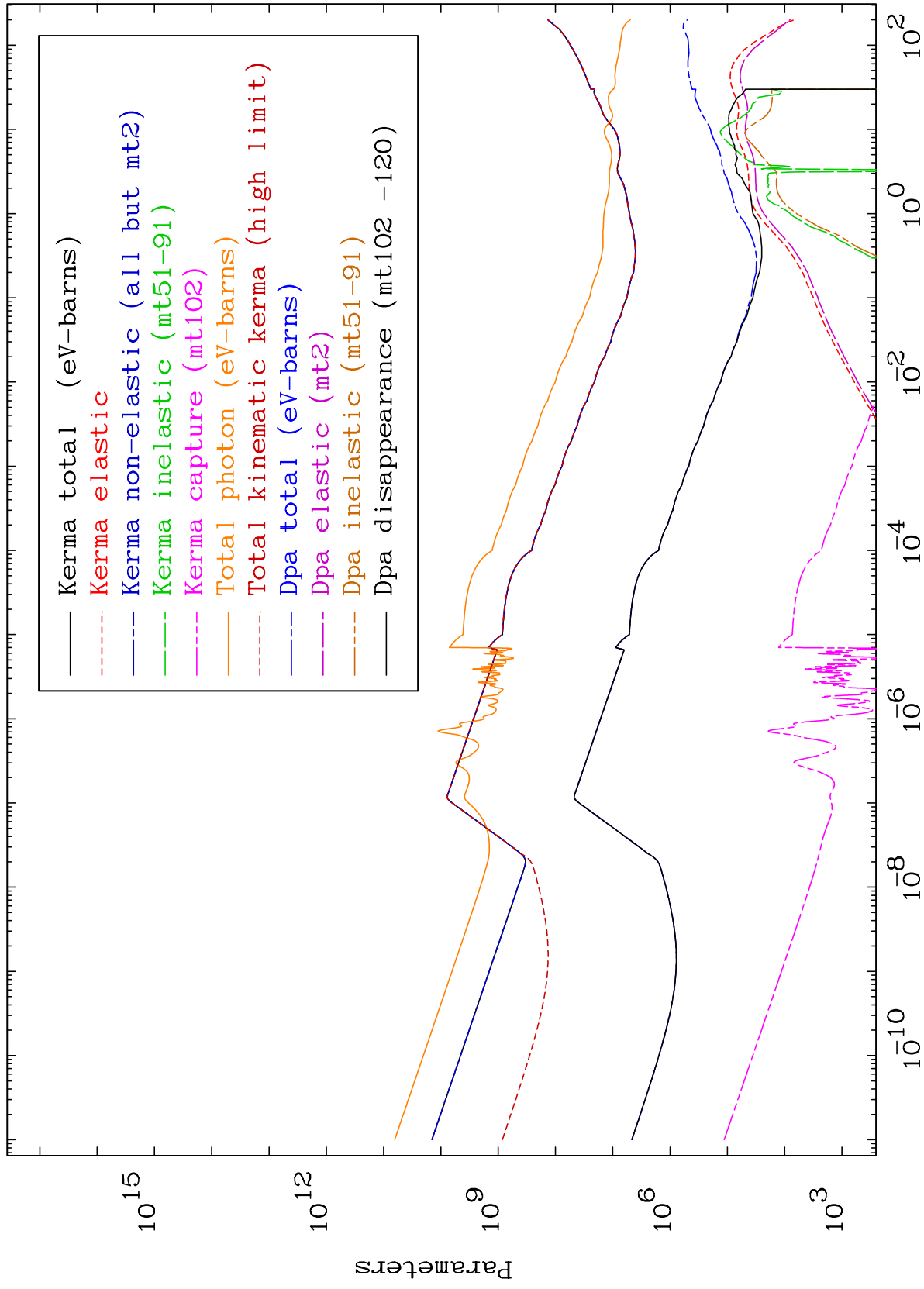
62-Sm-137



12

Incident Energy (MeV)

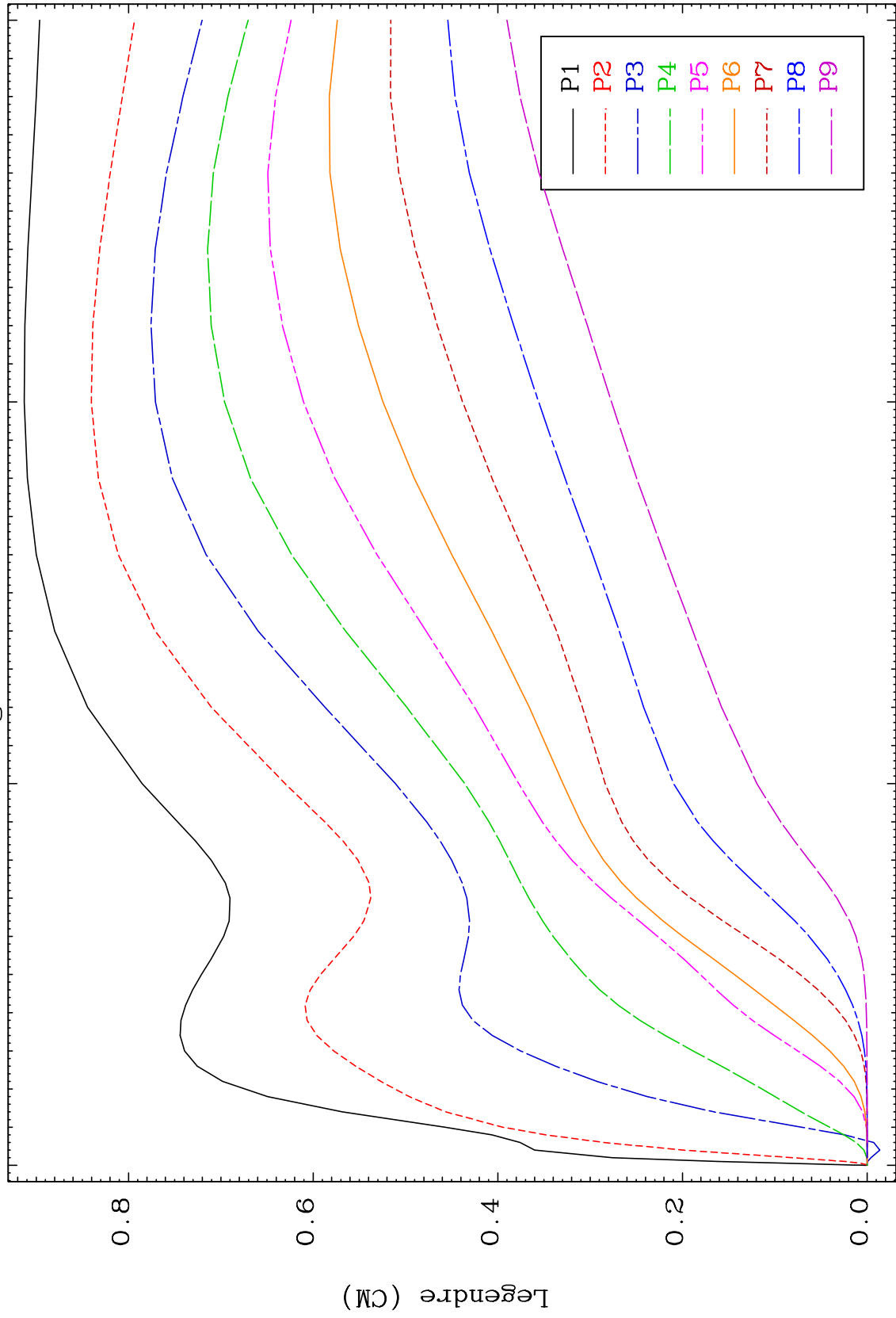
62-Sm-137



MAT 6204

Elastic Legendre Coefficients

62-Sm-137



14

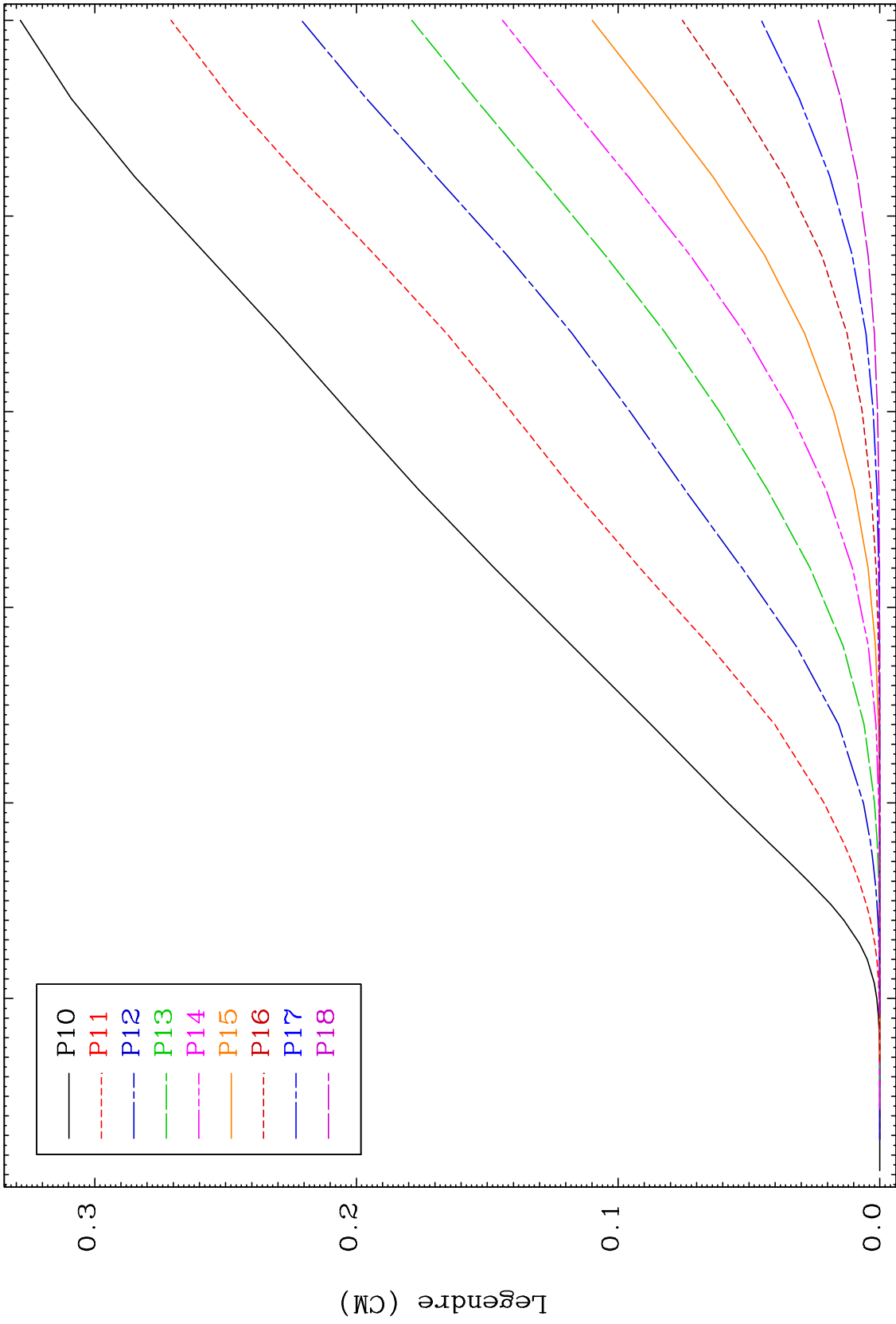
Incident Energy (MeV)

62-Sm-137

MAT 6204

Elastic Legendre Coefficients

62-Sm-137



15

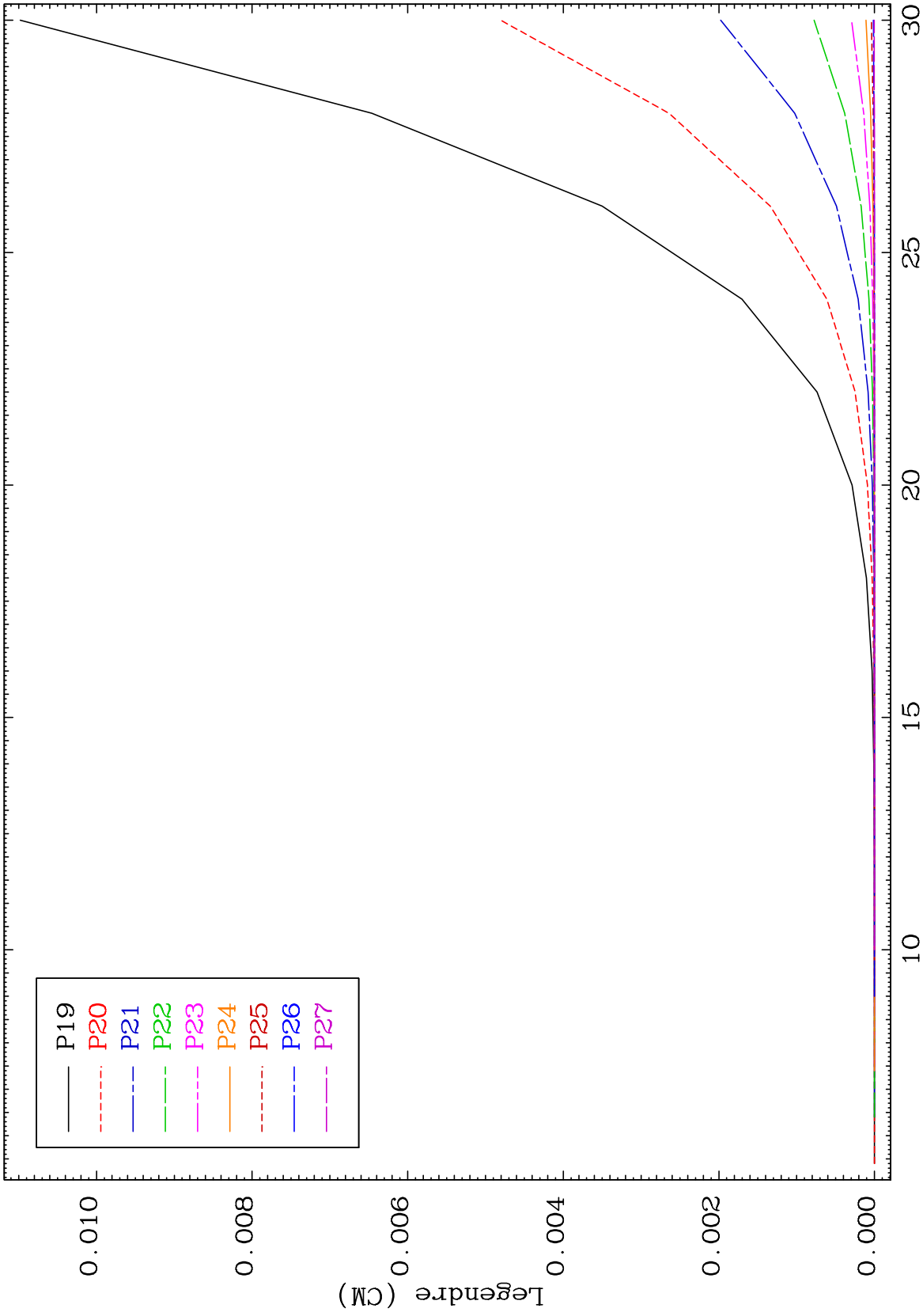
Incident Energy (MeV)

62-Sm-137

MAT 6204

Elastic Legendre Coefficients

$^{62}\text{Sm-137}$



16

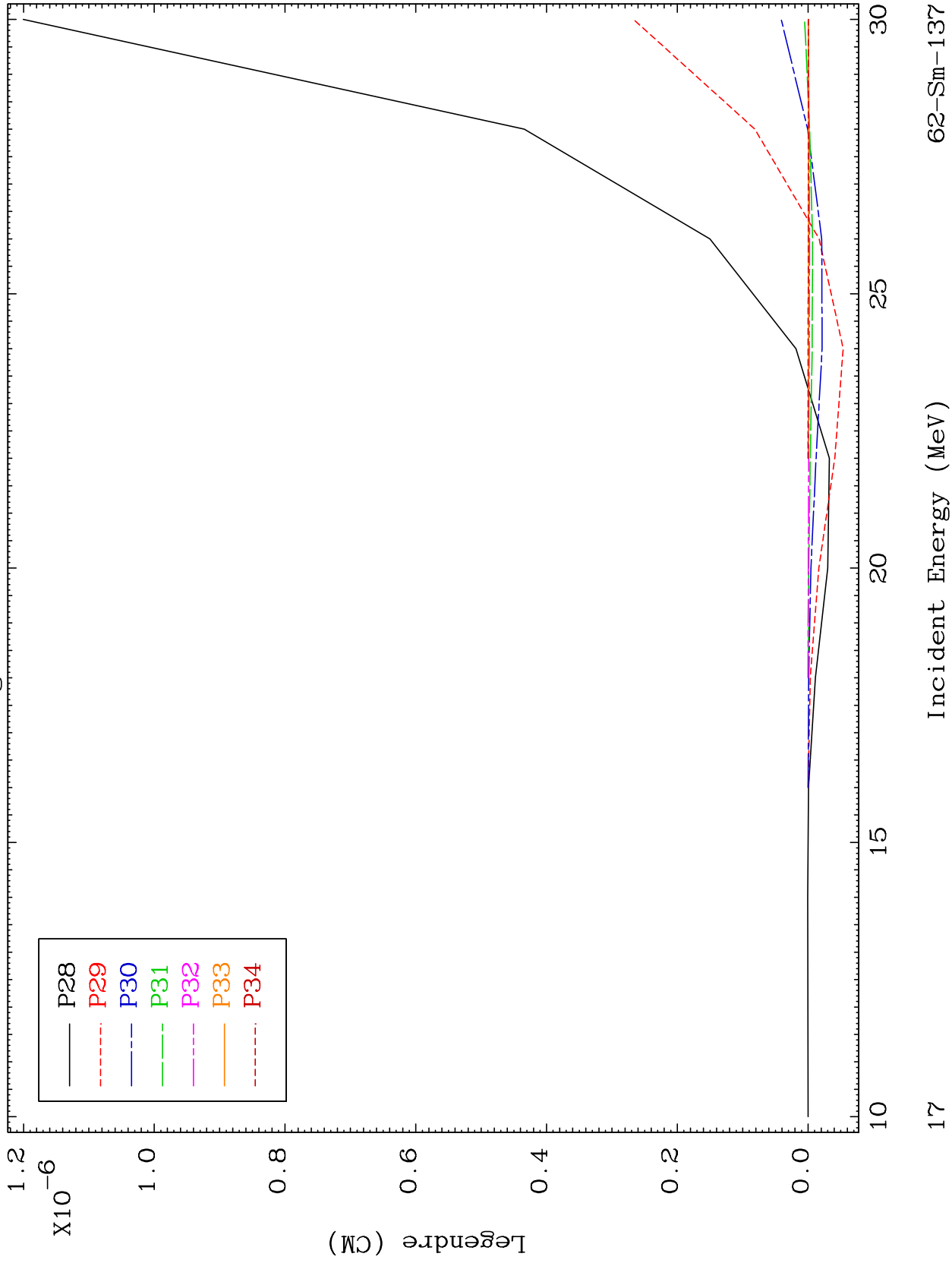
Incident Energy (MeV)

$^{62}\text{Sm-137}$

MAT 6204

Elastic Legendre Coefficients

62-Sm-137



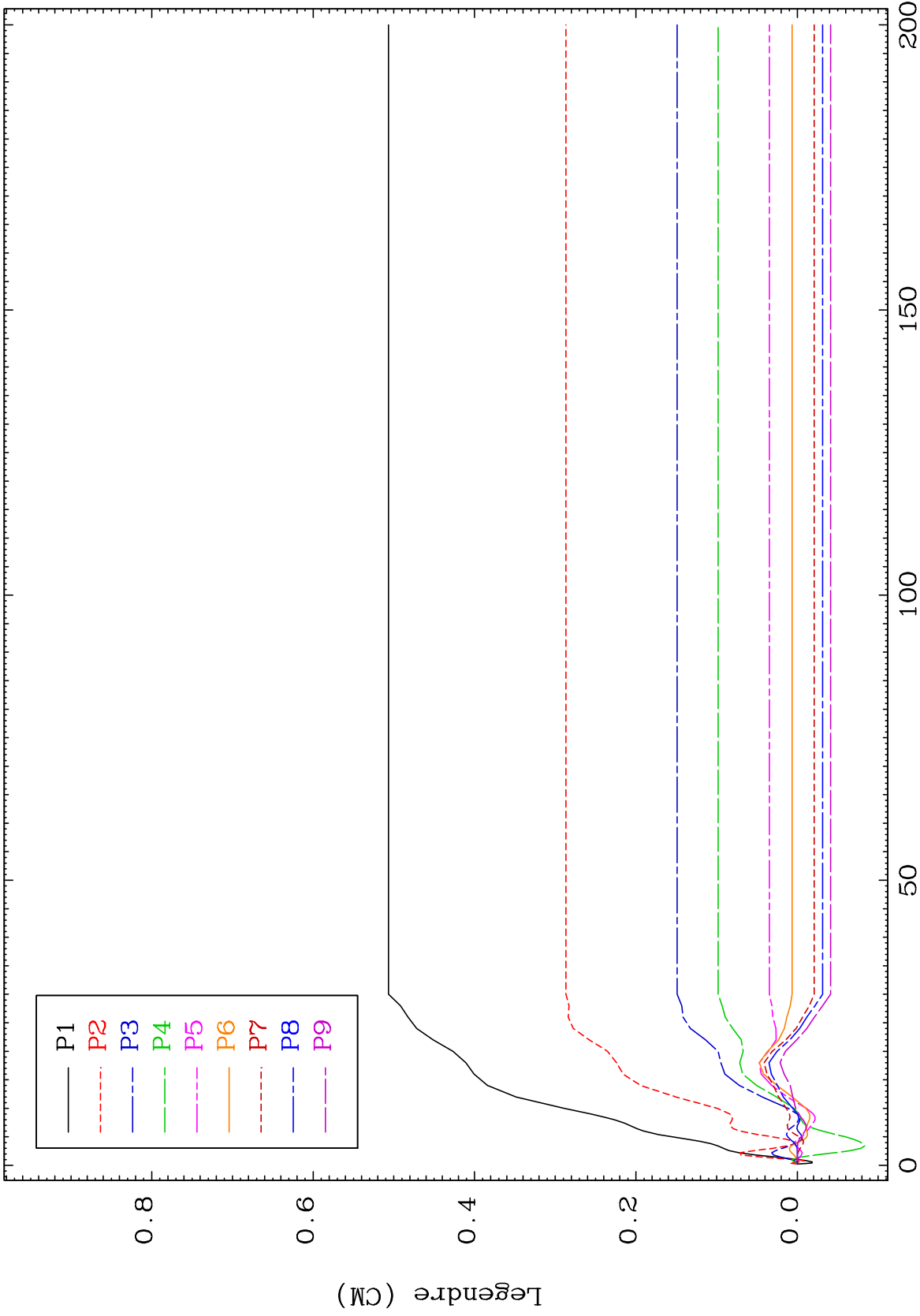
17

62-Sm-137

MAT 6204

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

62-Sm-137



18

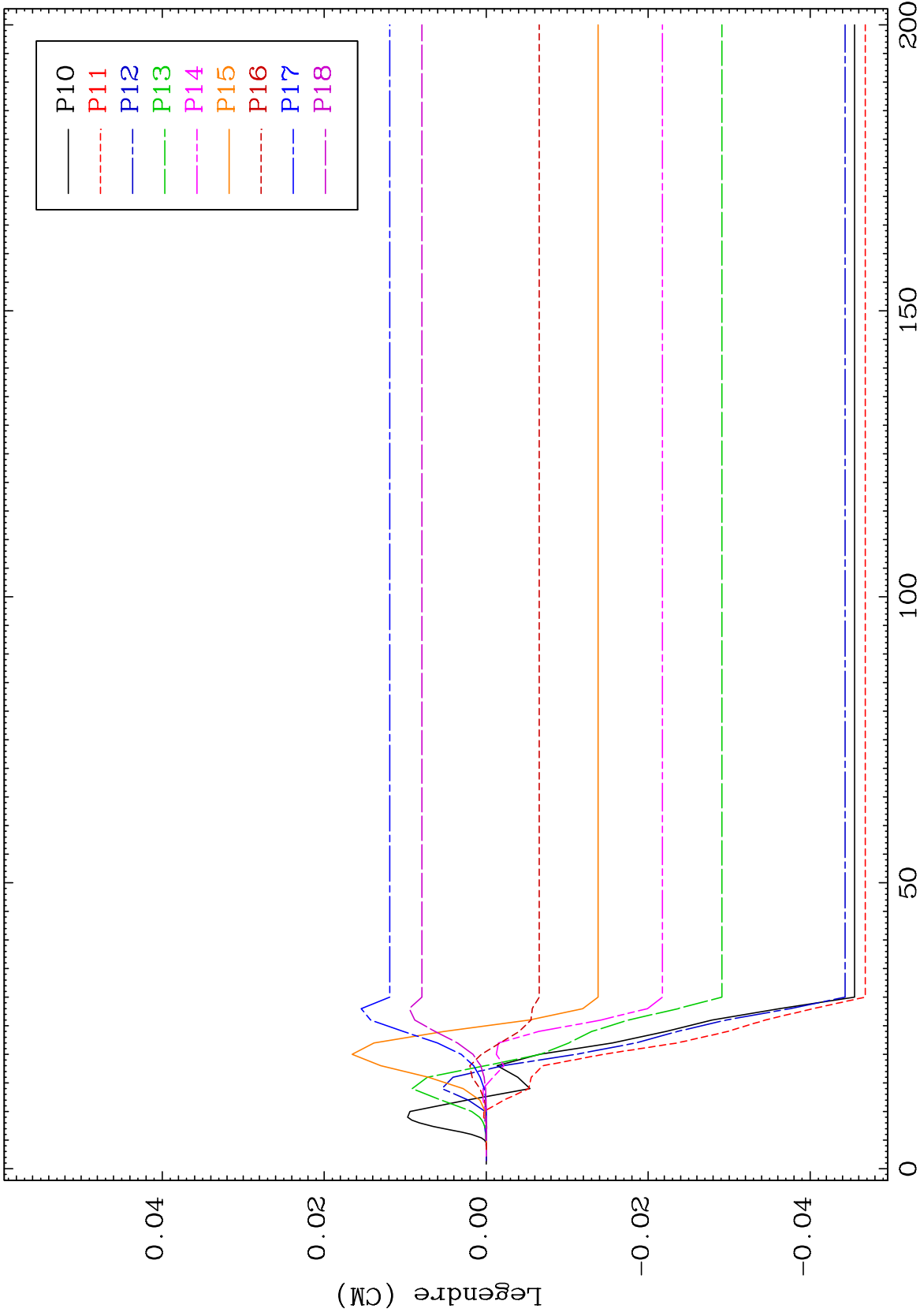
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



19

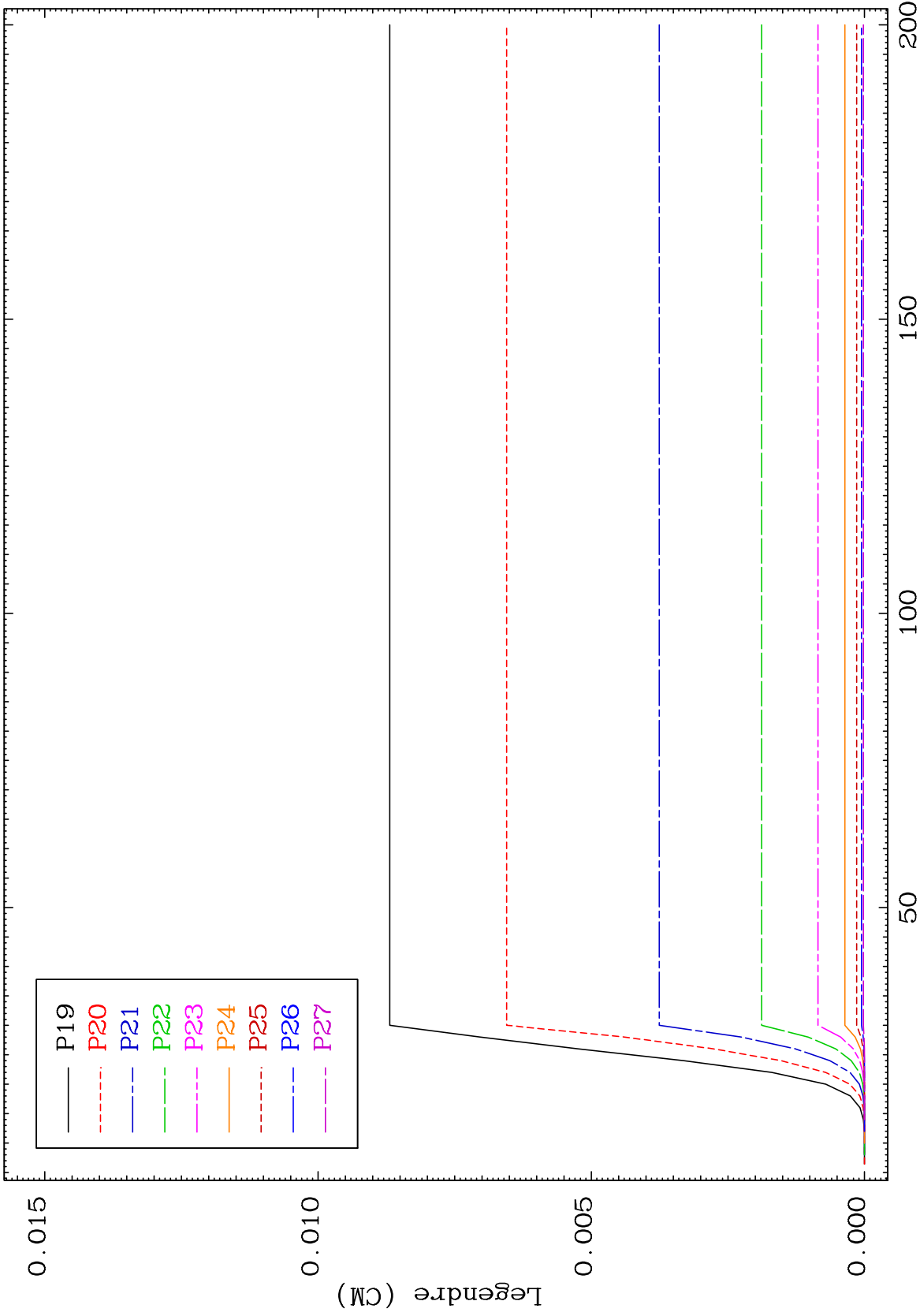
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



20

50

100

150

200

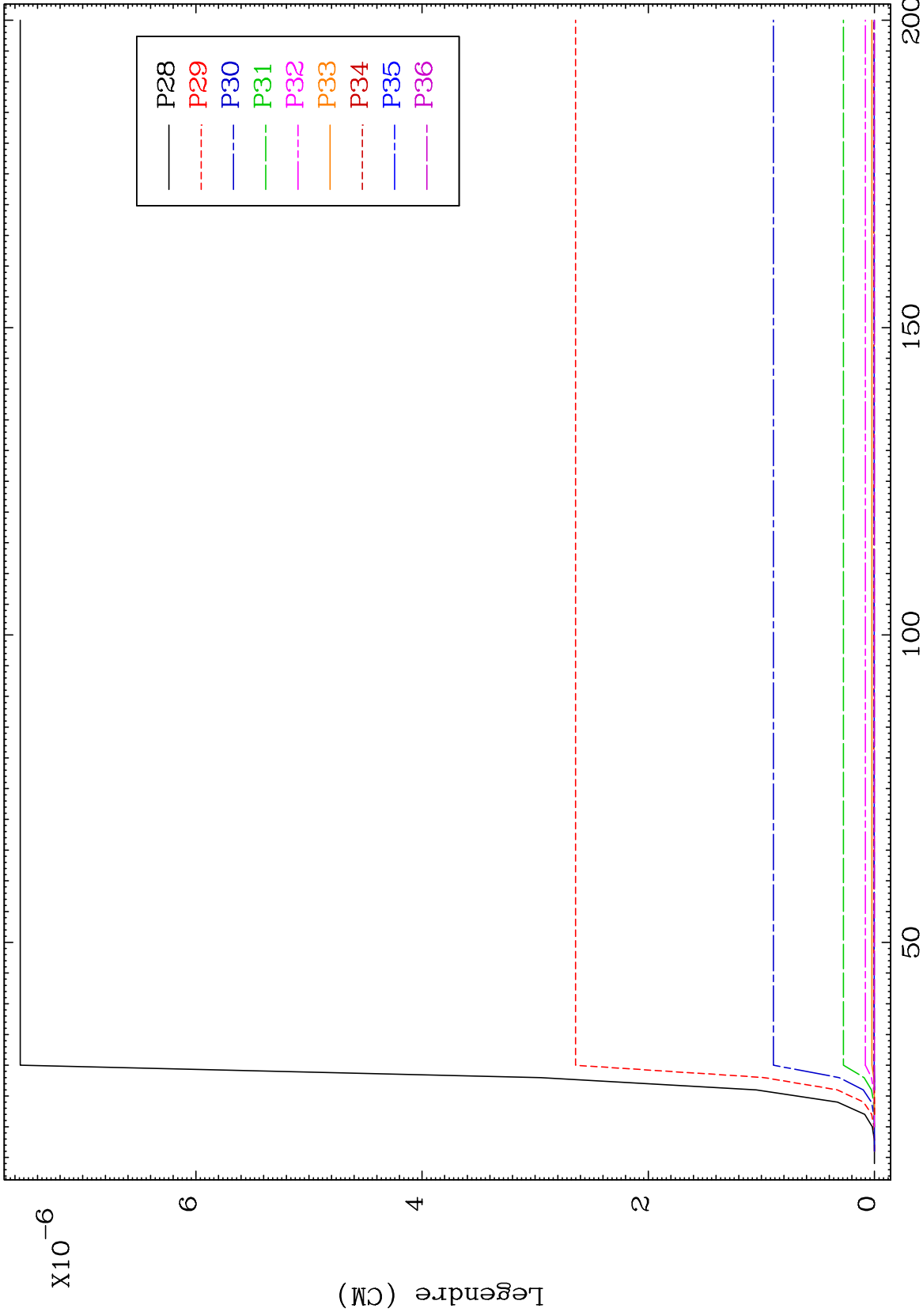
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



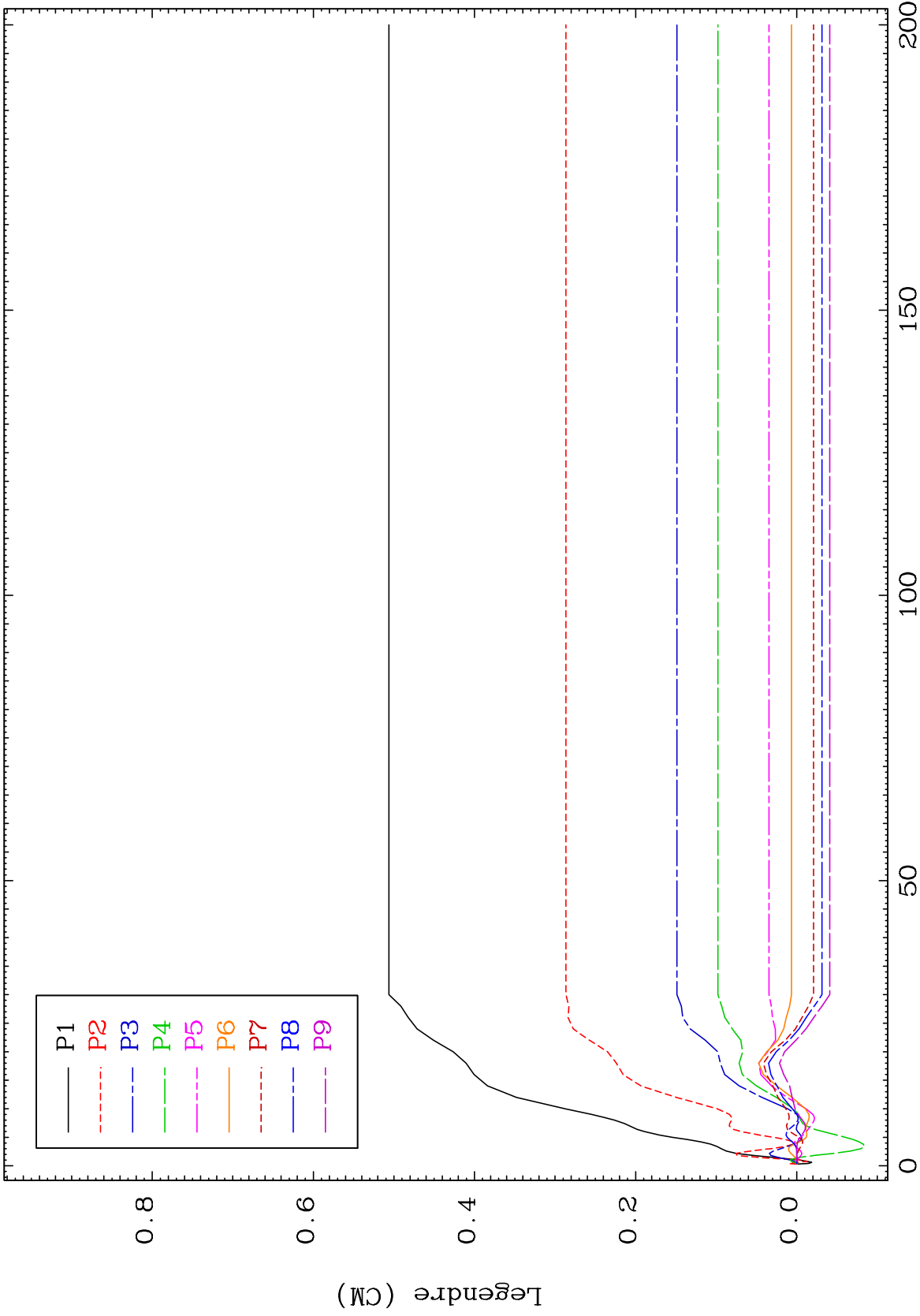
21

62-Sm-137

MAT 6204

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

62-Sm-137



22

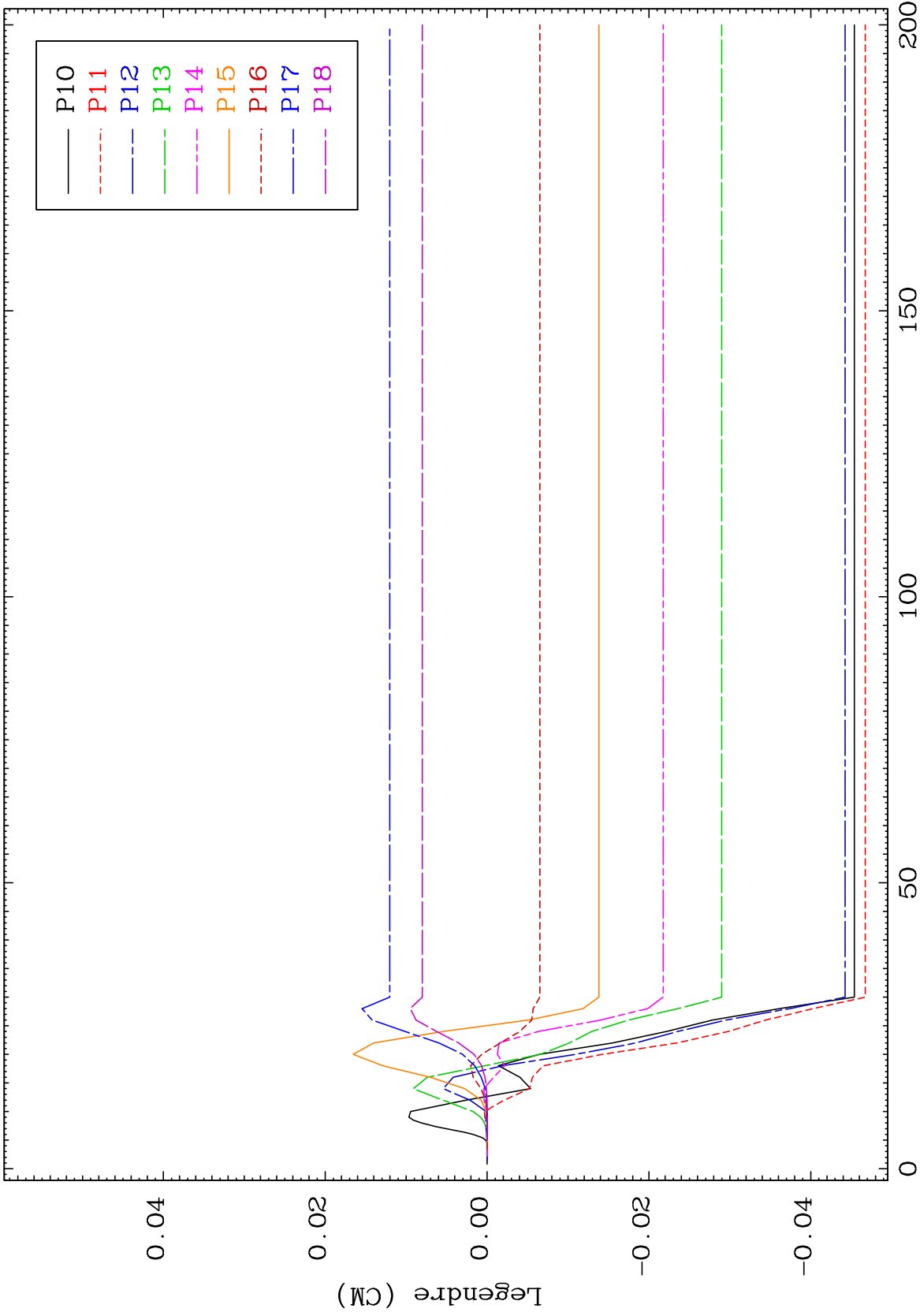
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



23

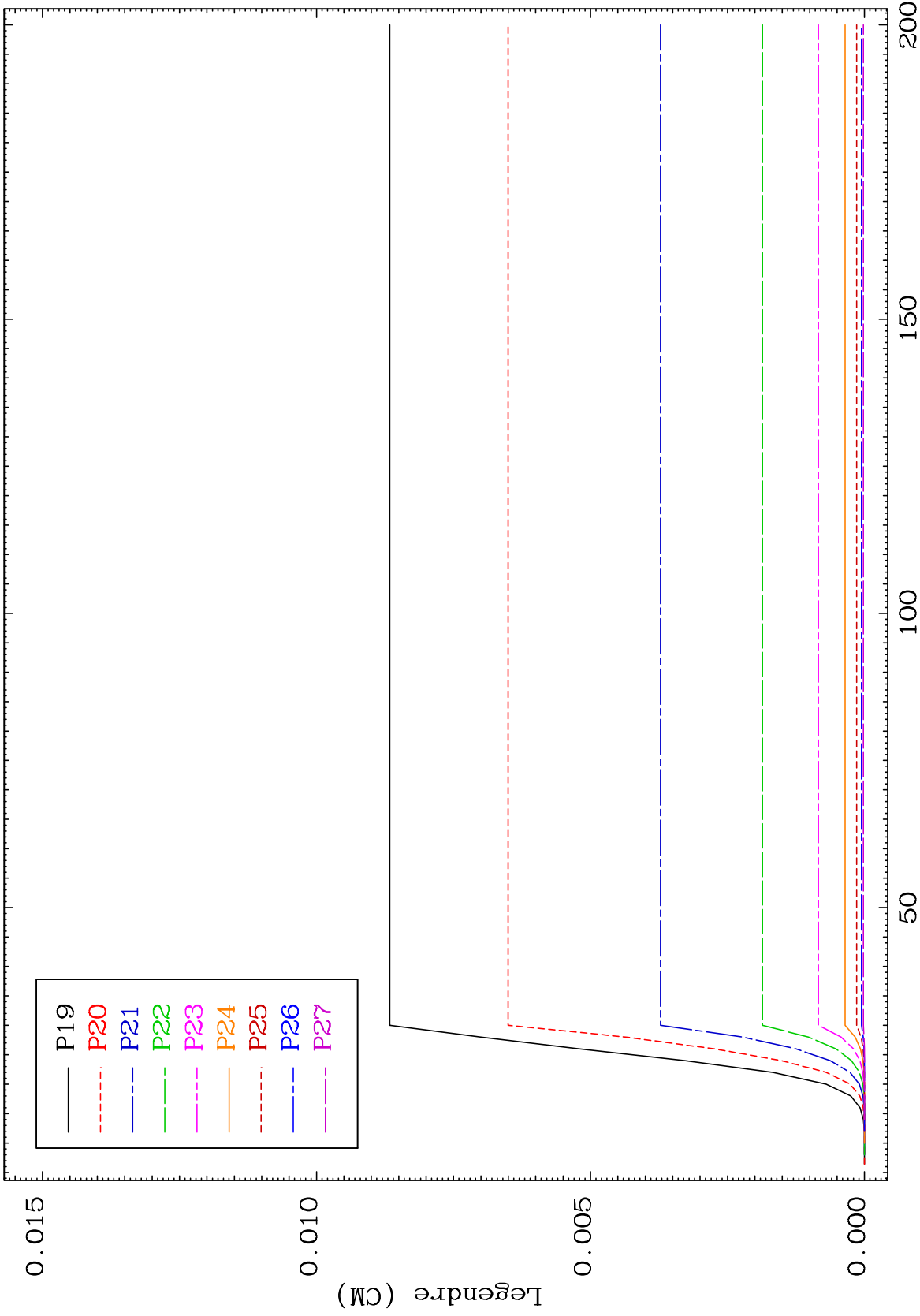
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



24

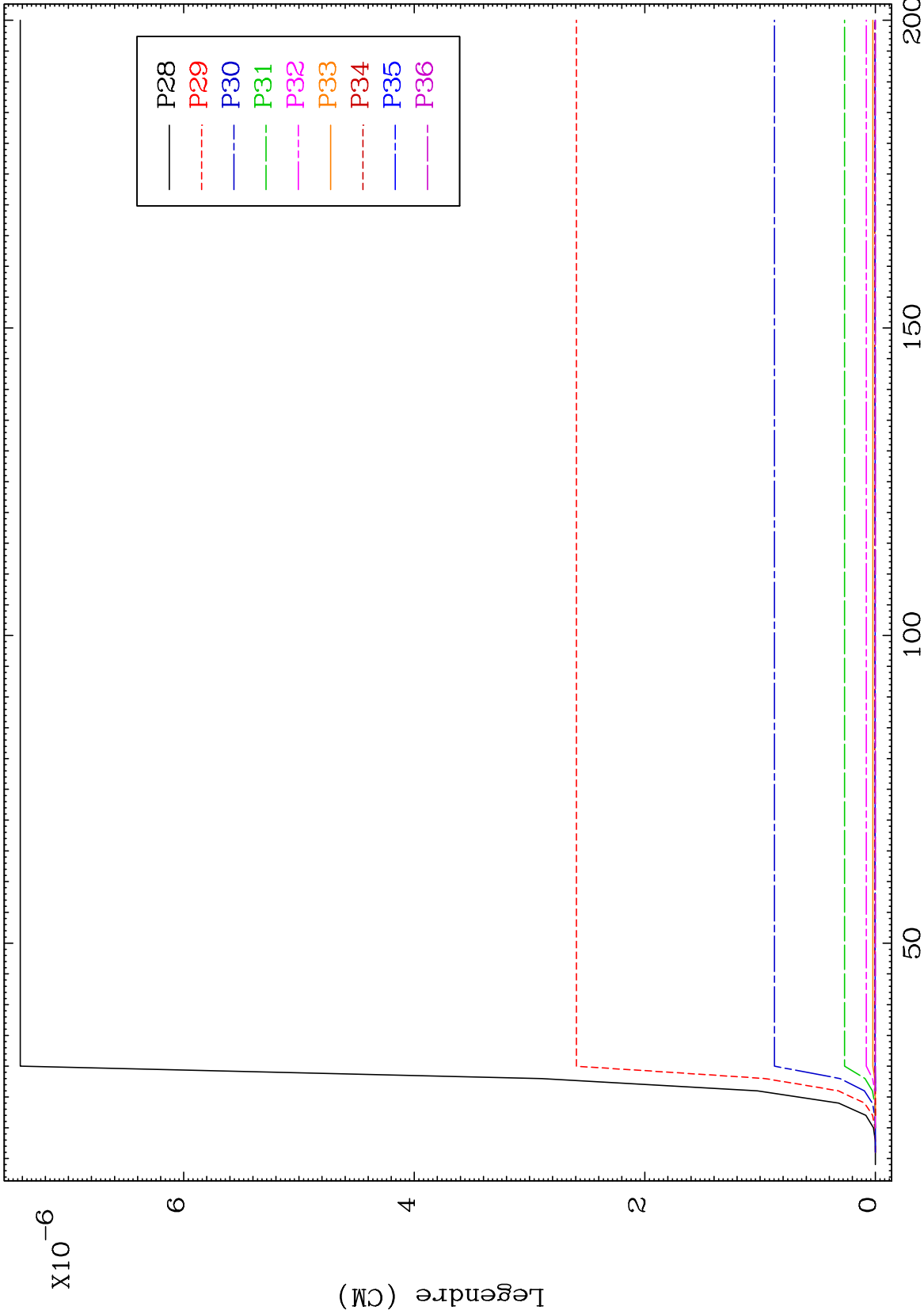
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



25

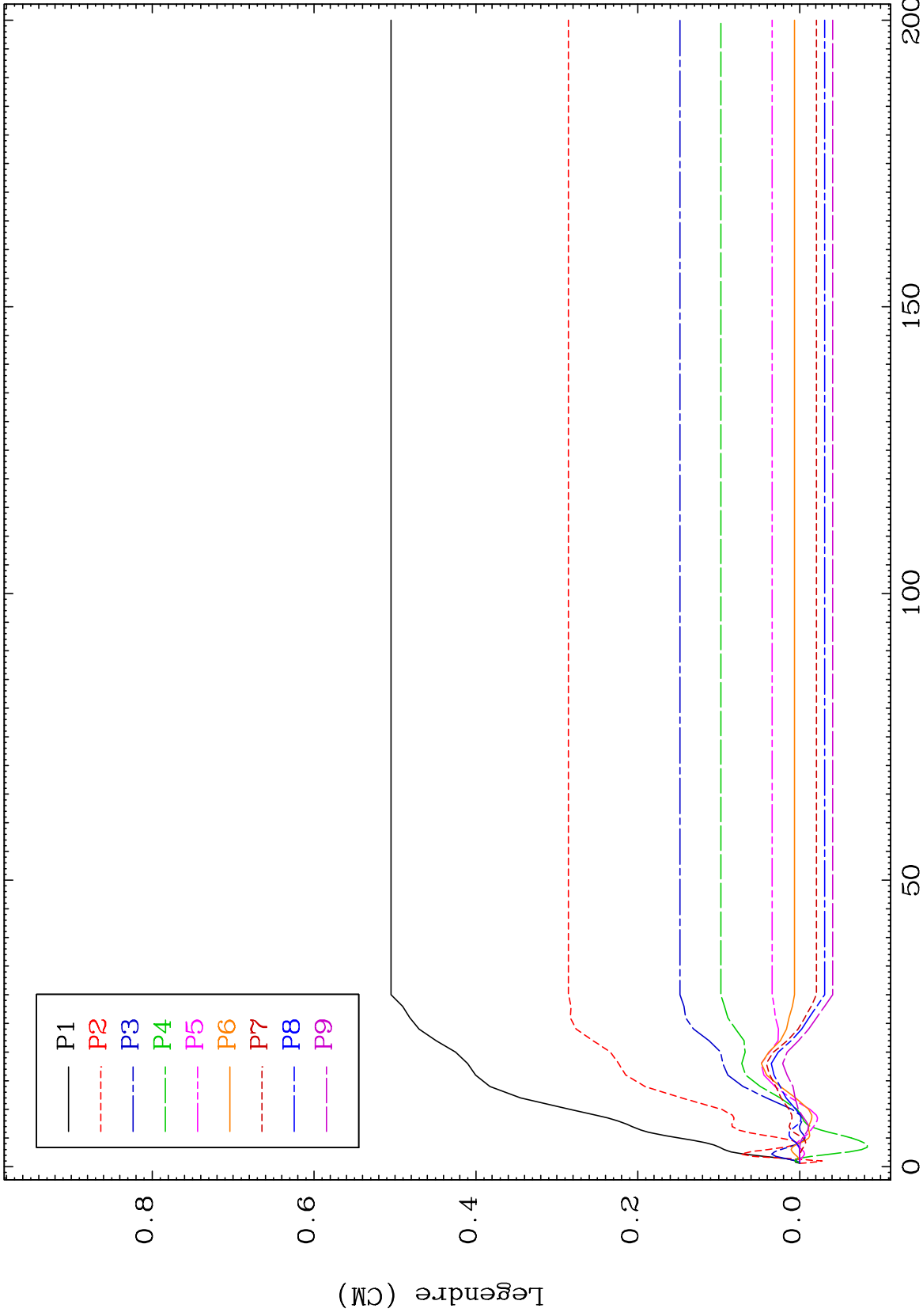
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



26

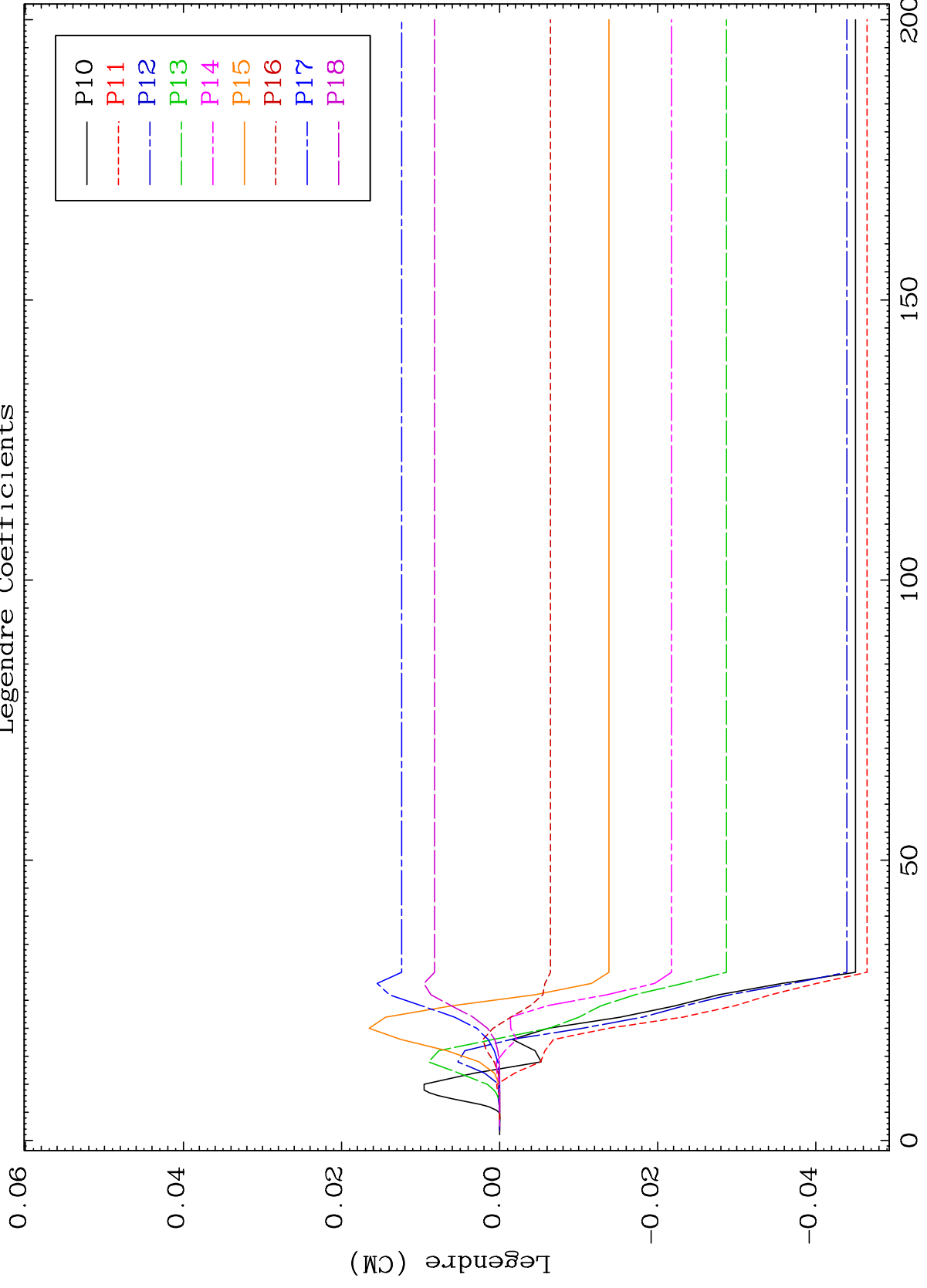
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



27

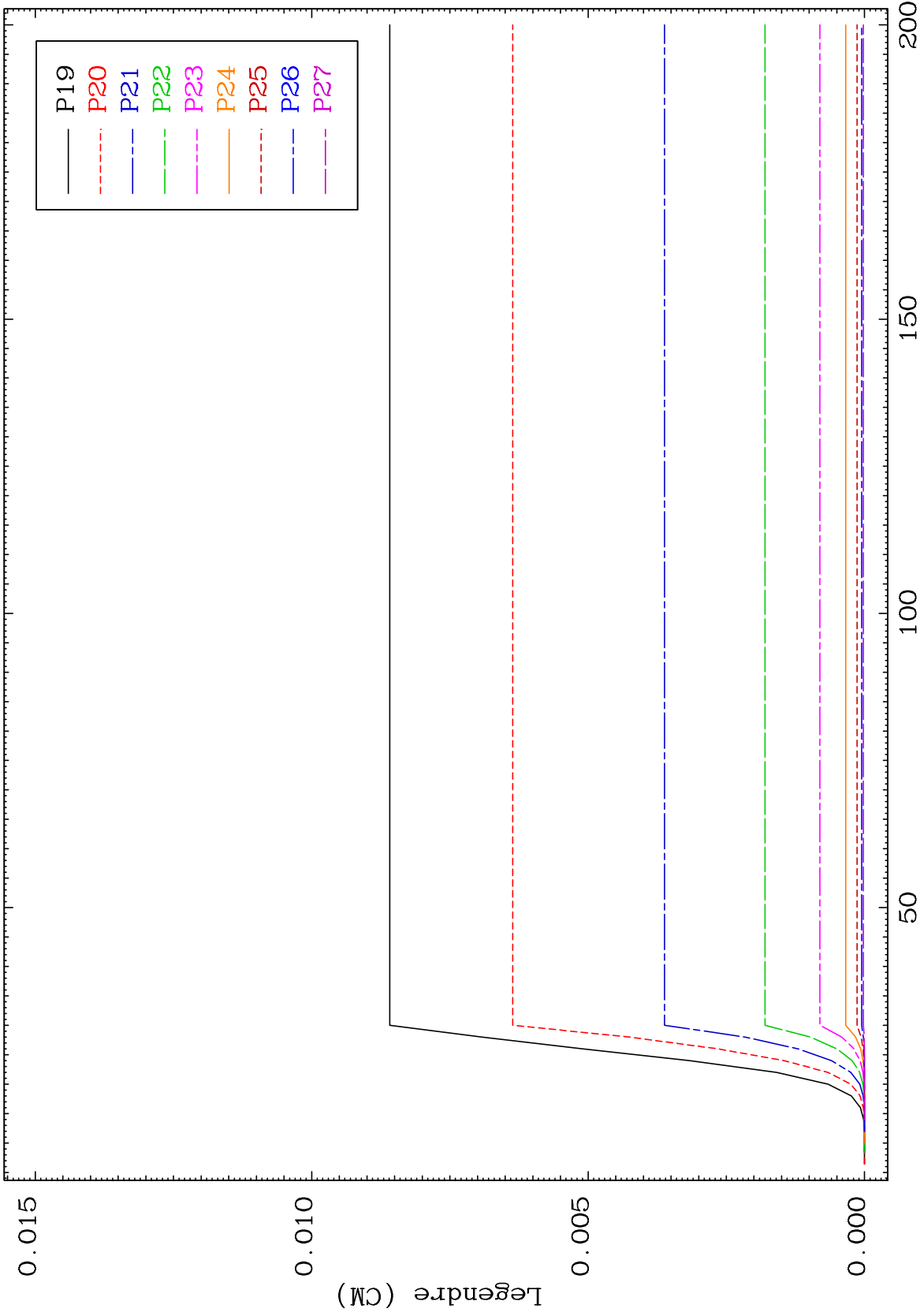
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



28

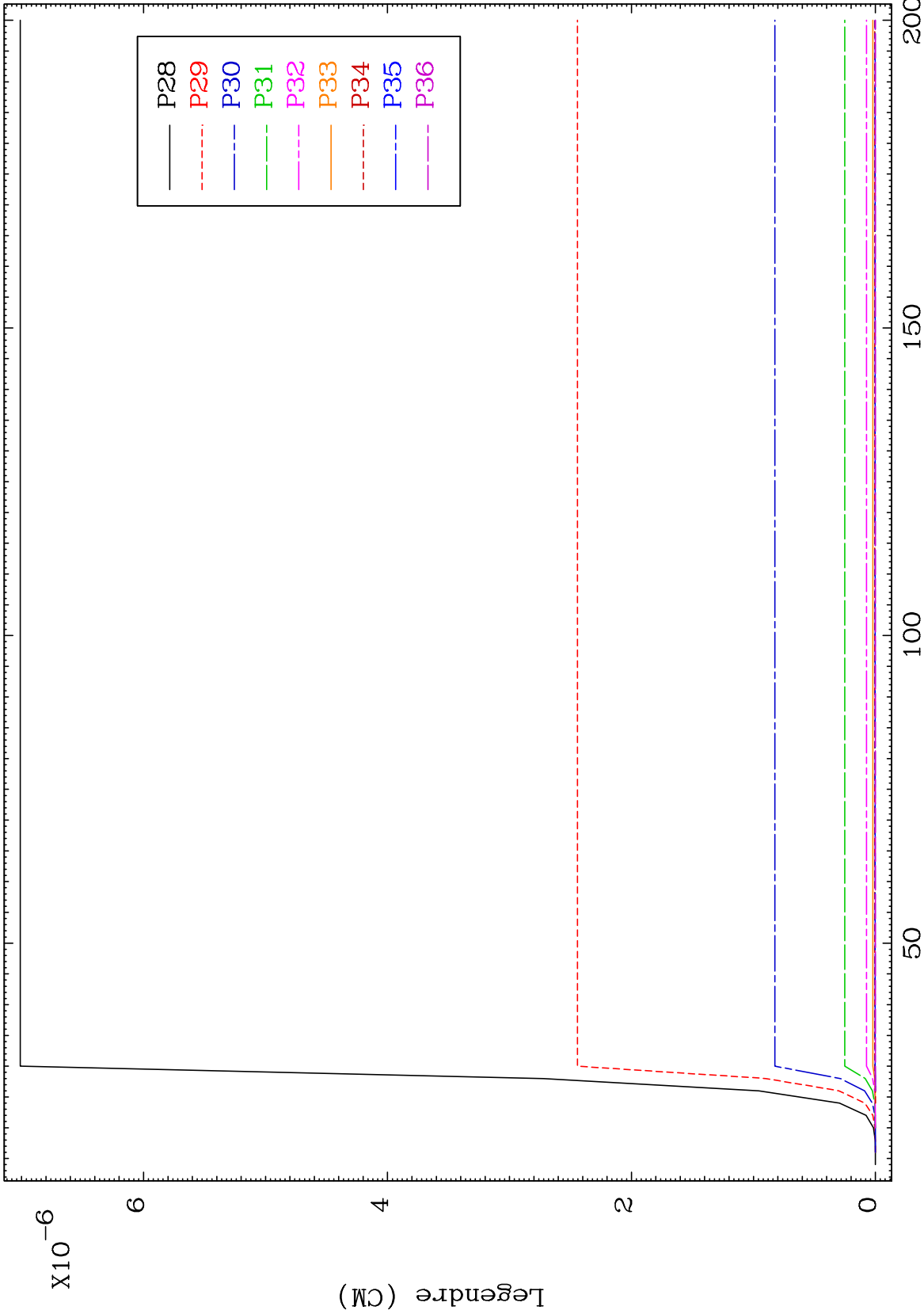
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



29

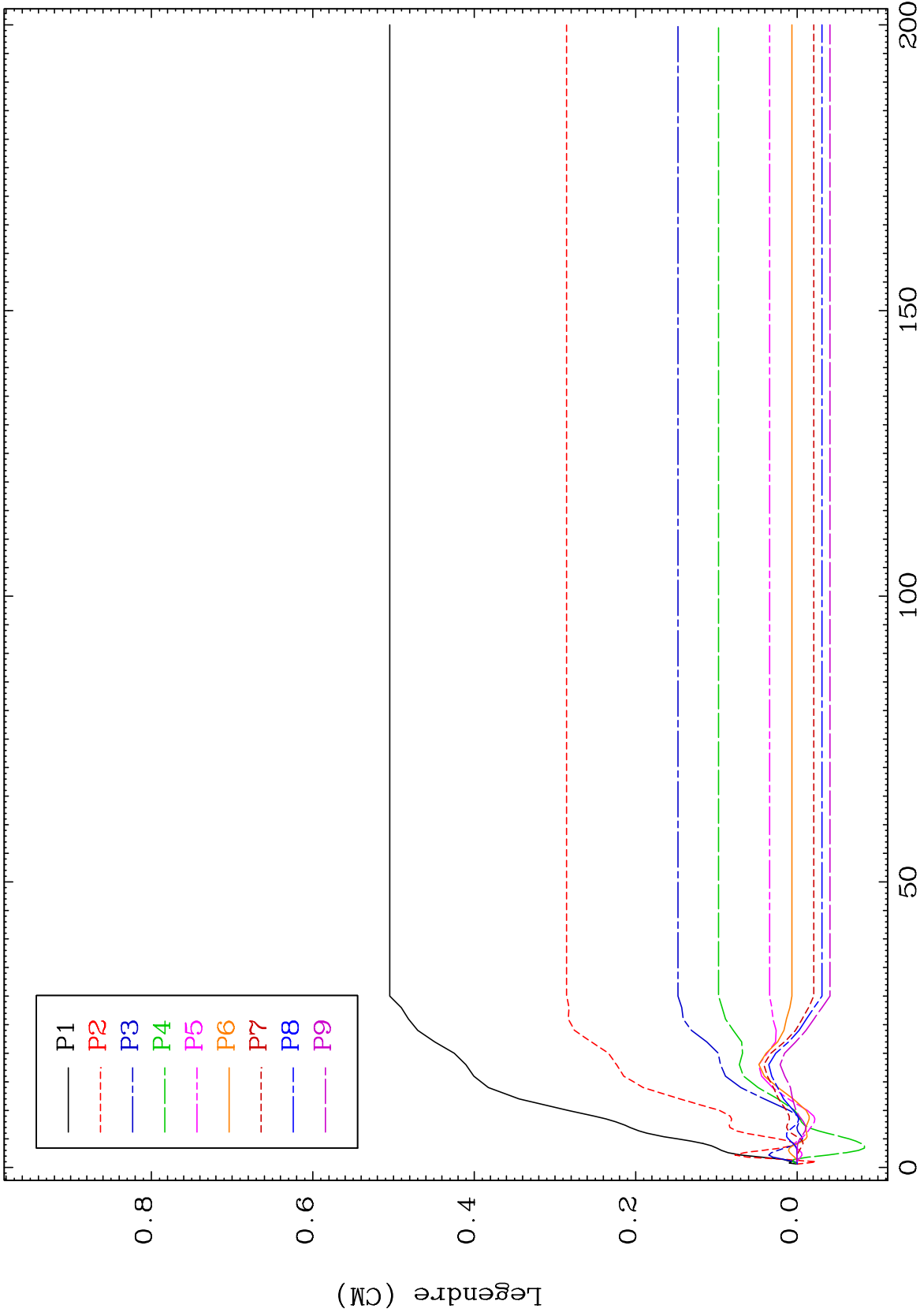
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



30

50

100

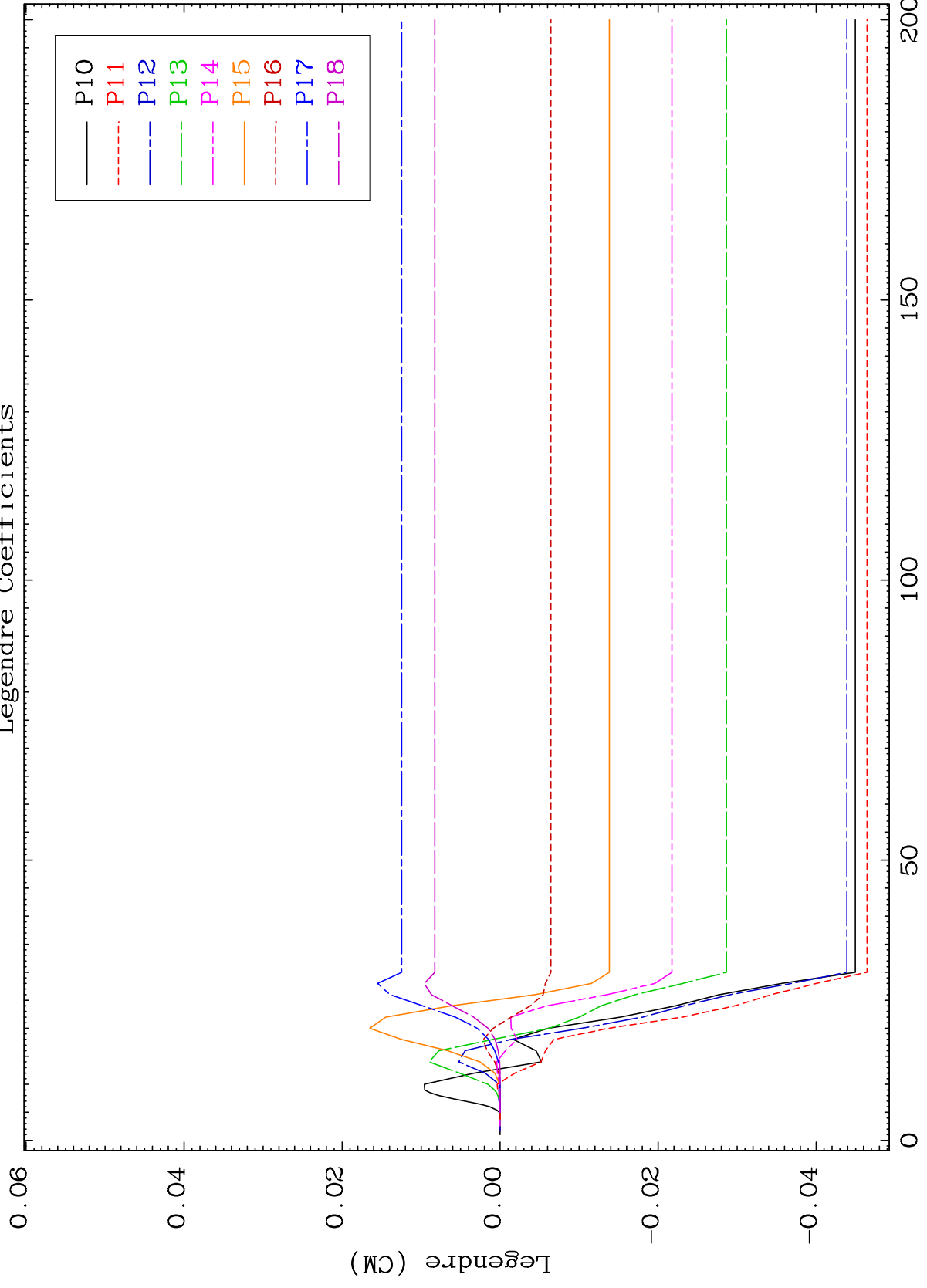
150

200

Incident Energy (MeV)

62-Sm-137

MAT 6204 MT= 54 (n,n') Level Legendre Coefficients 62-Sm-137

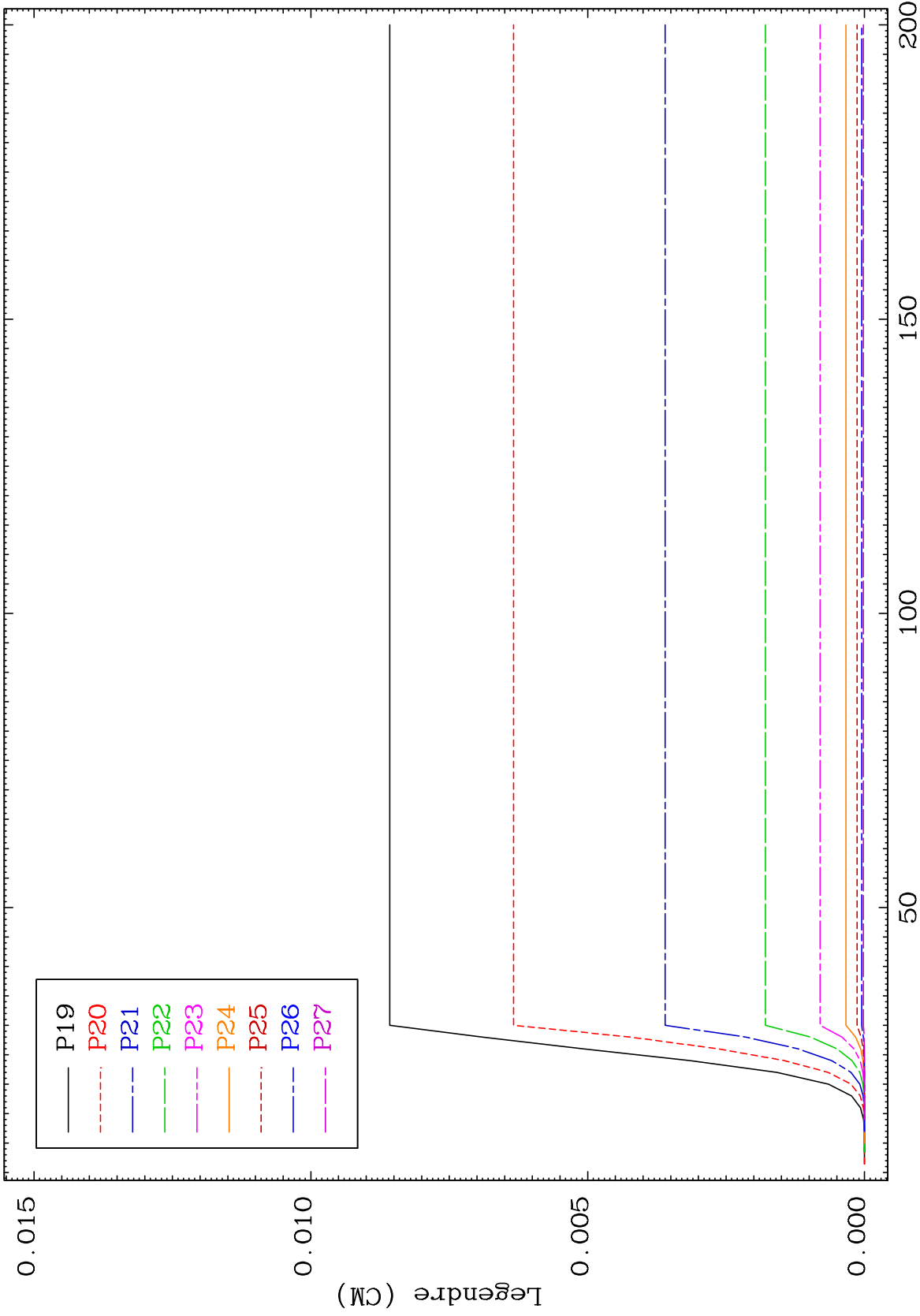


31 62-Sm-137

MAT 6204

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

62-Sm-137



32

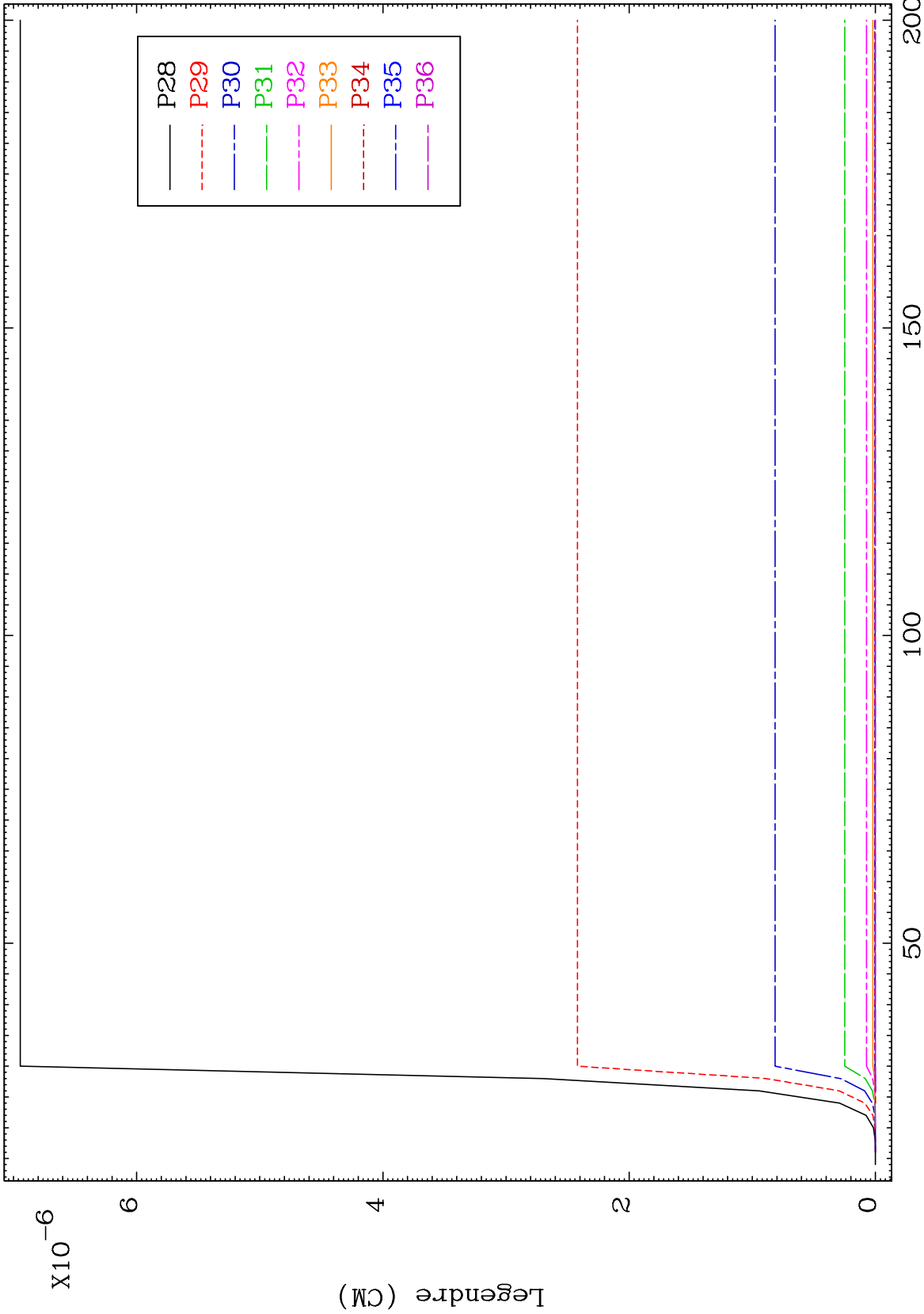
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



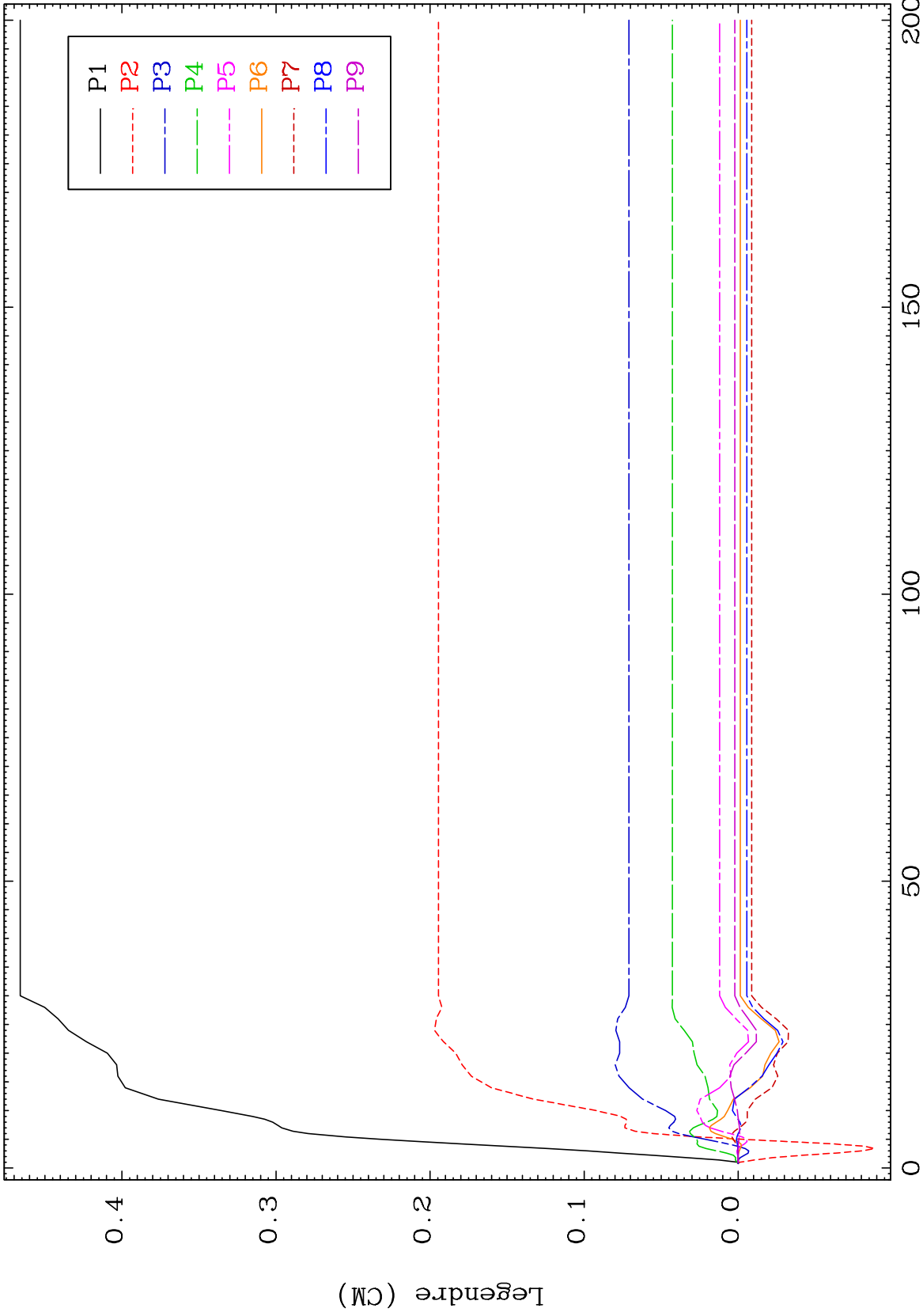
33

62-Sm-137

MAT 6204

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

62-Sm-137



34

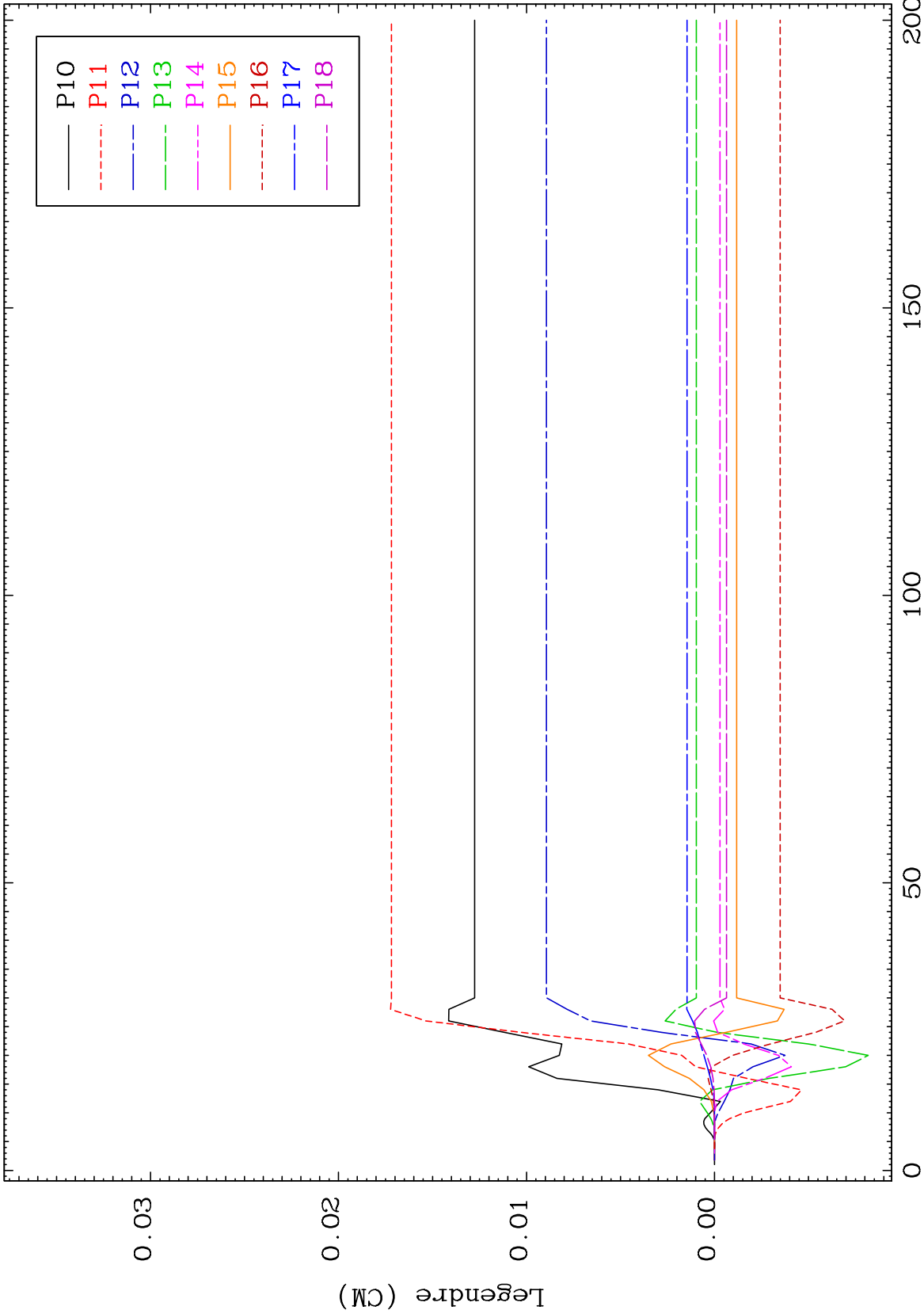
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



35

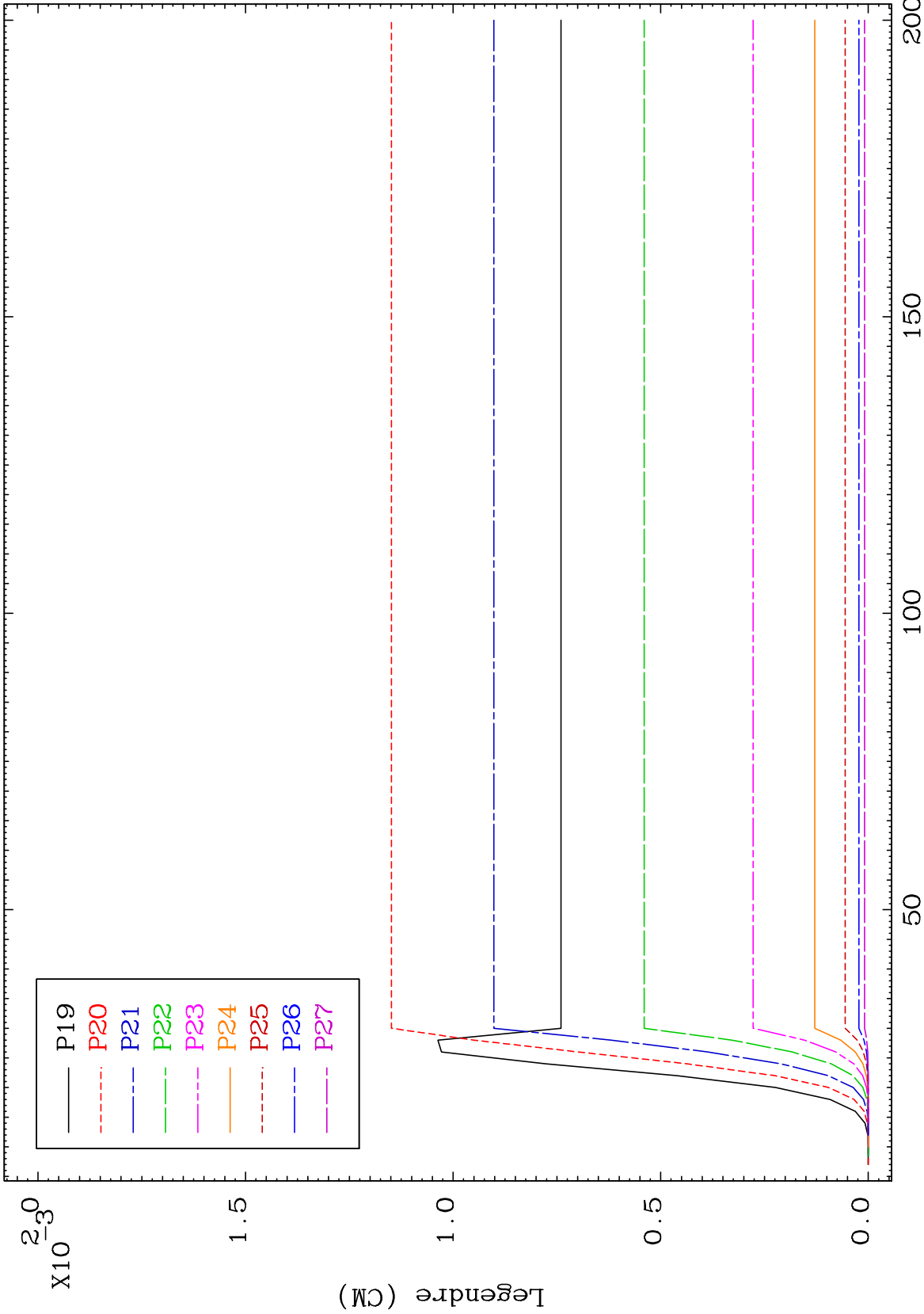
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



36

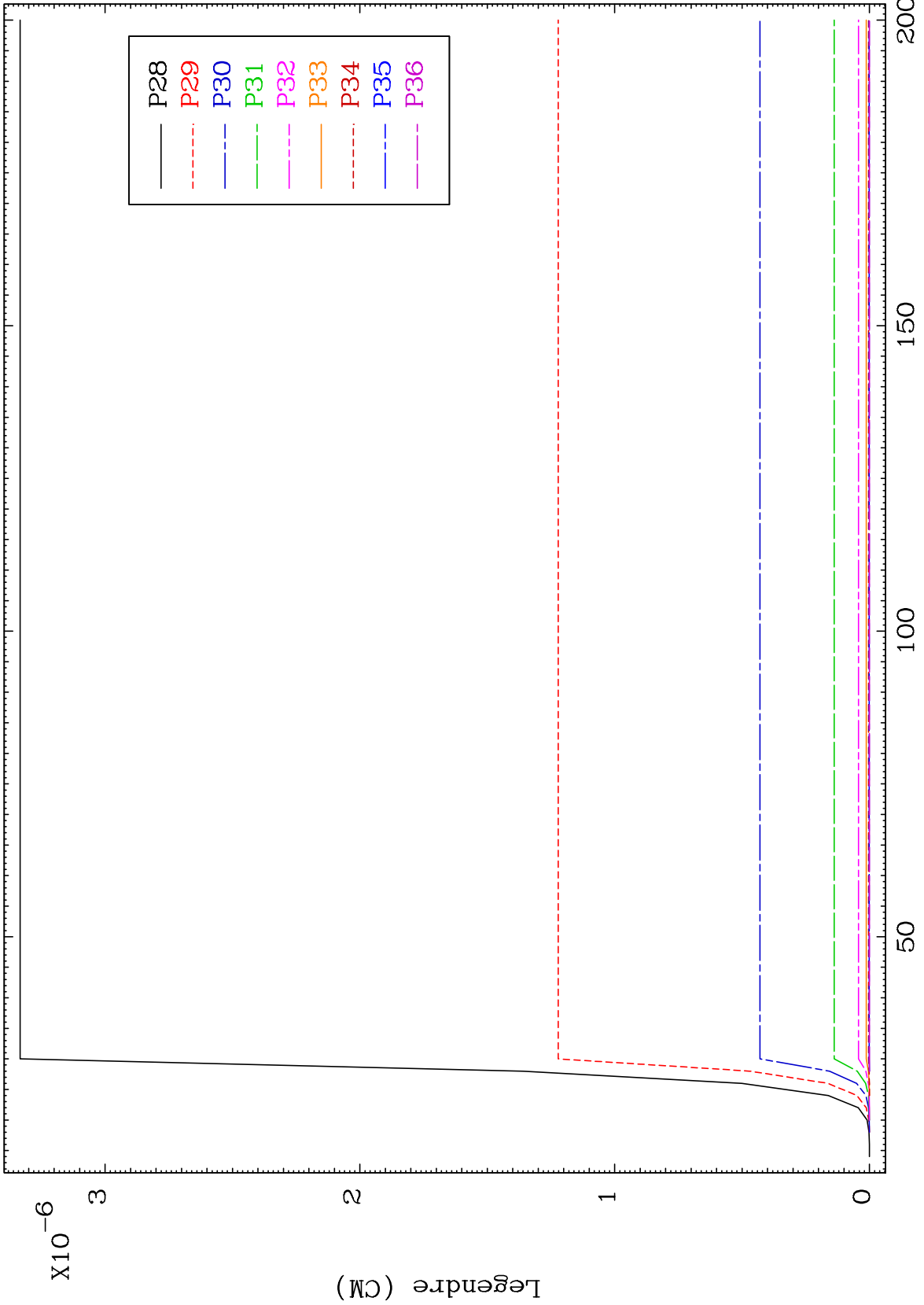
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



37

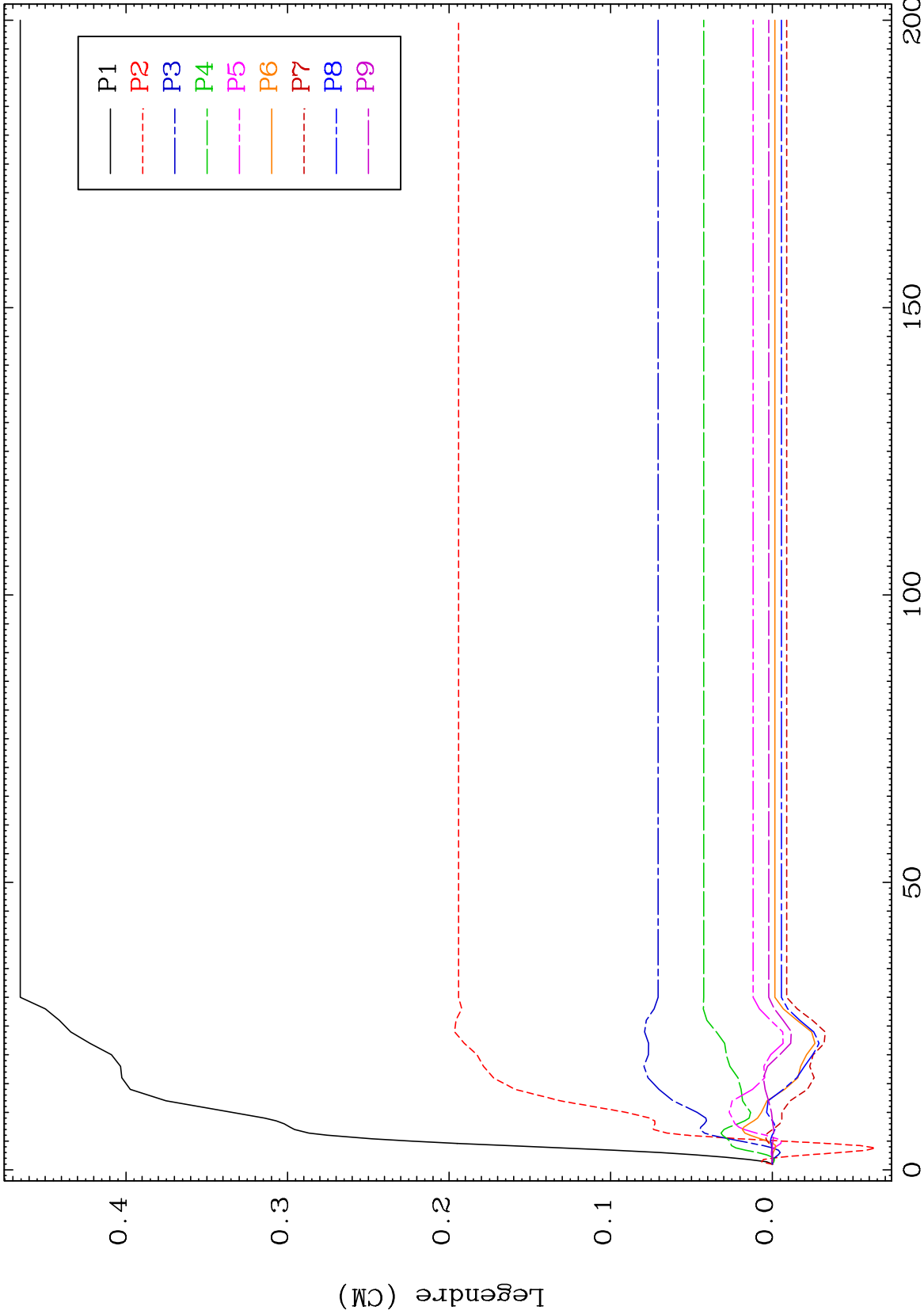
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



38

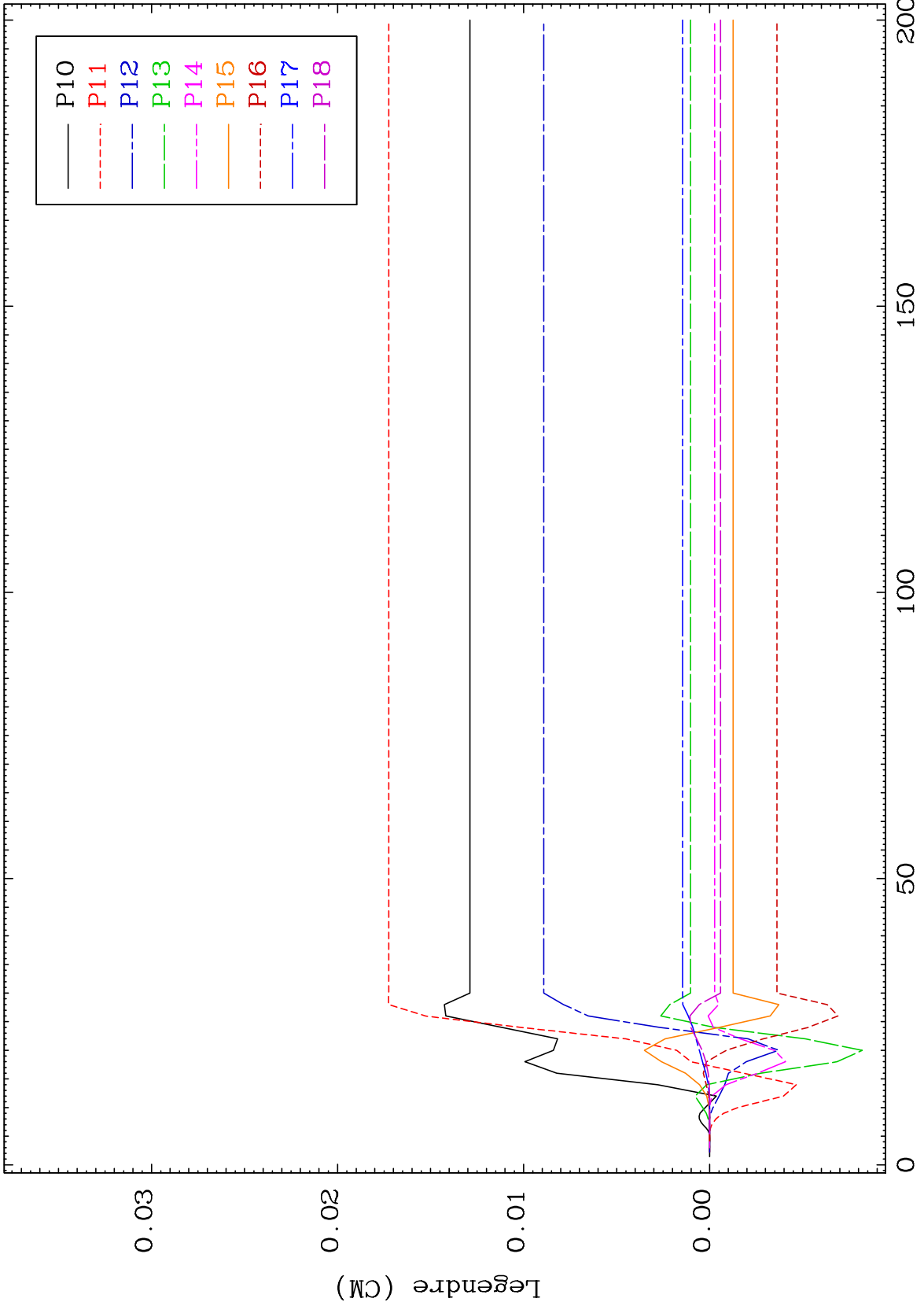
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



39

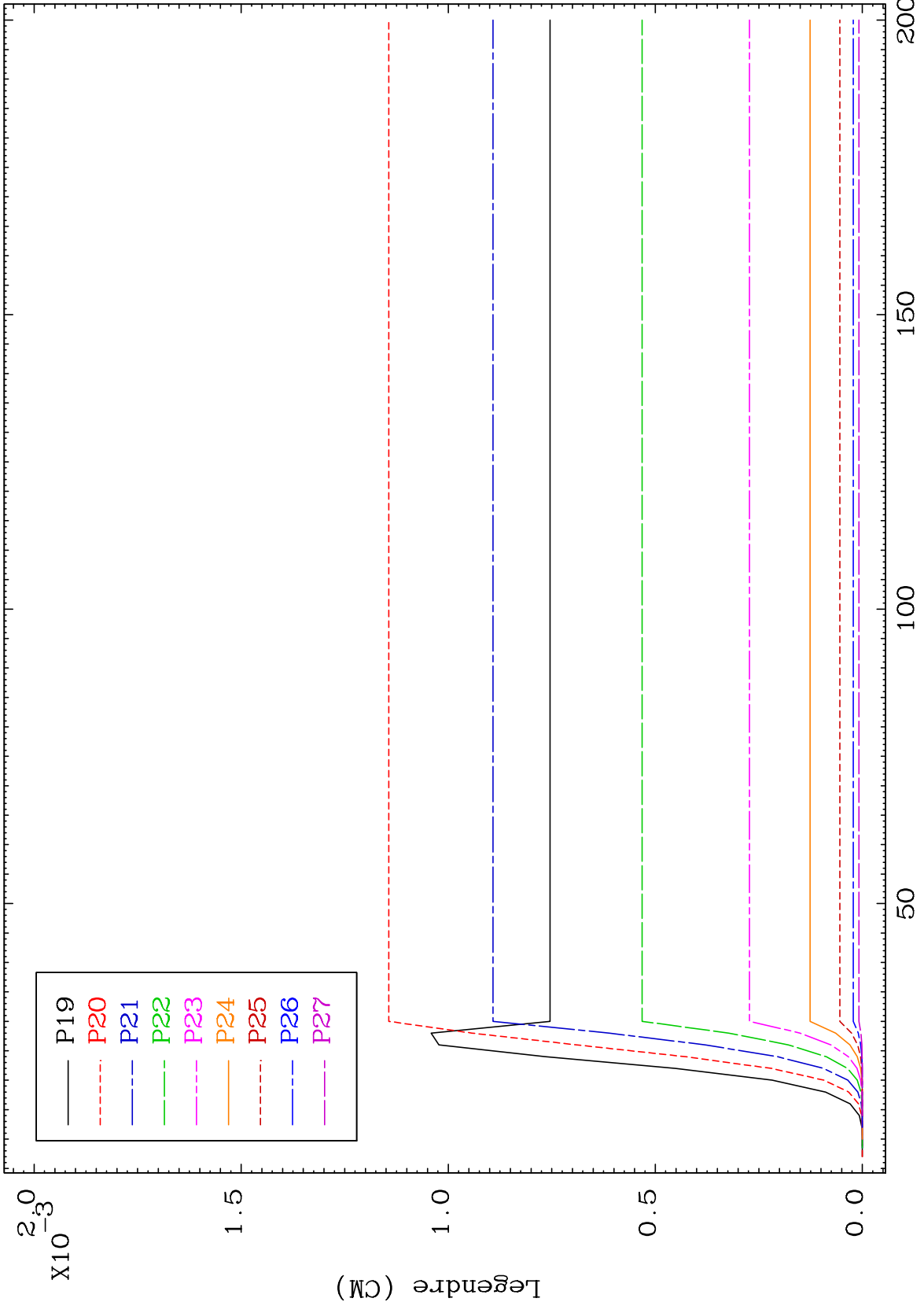
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



40

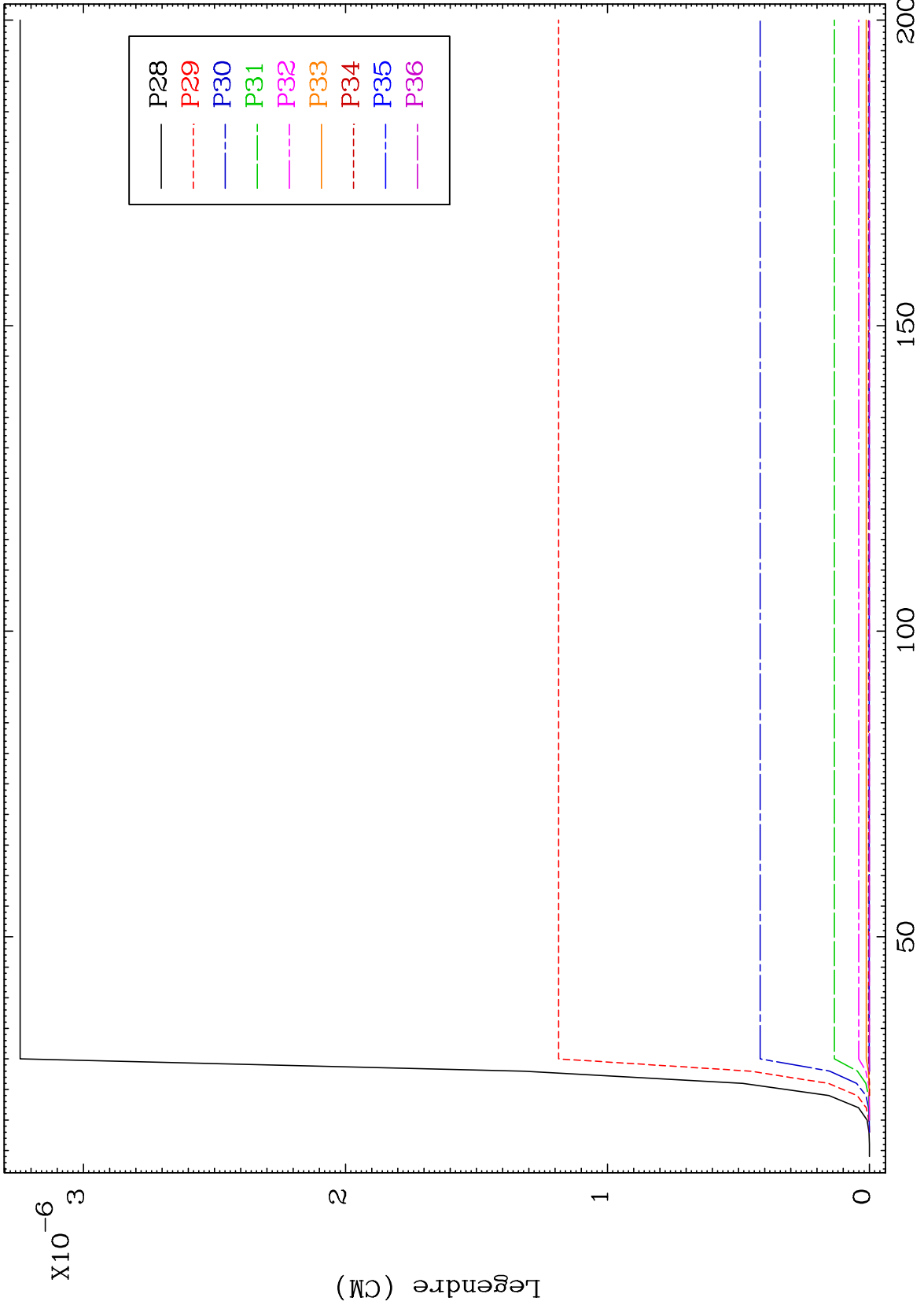
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



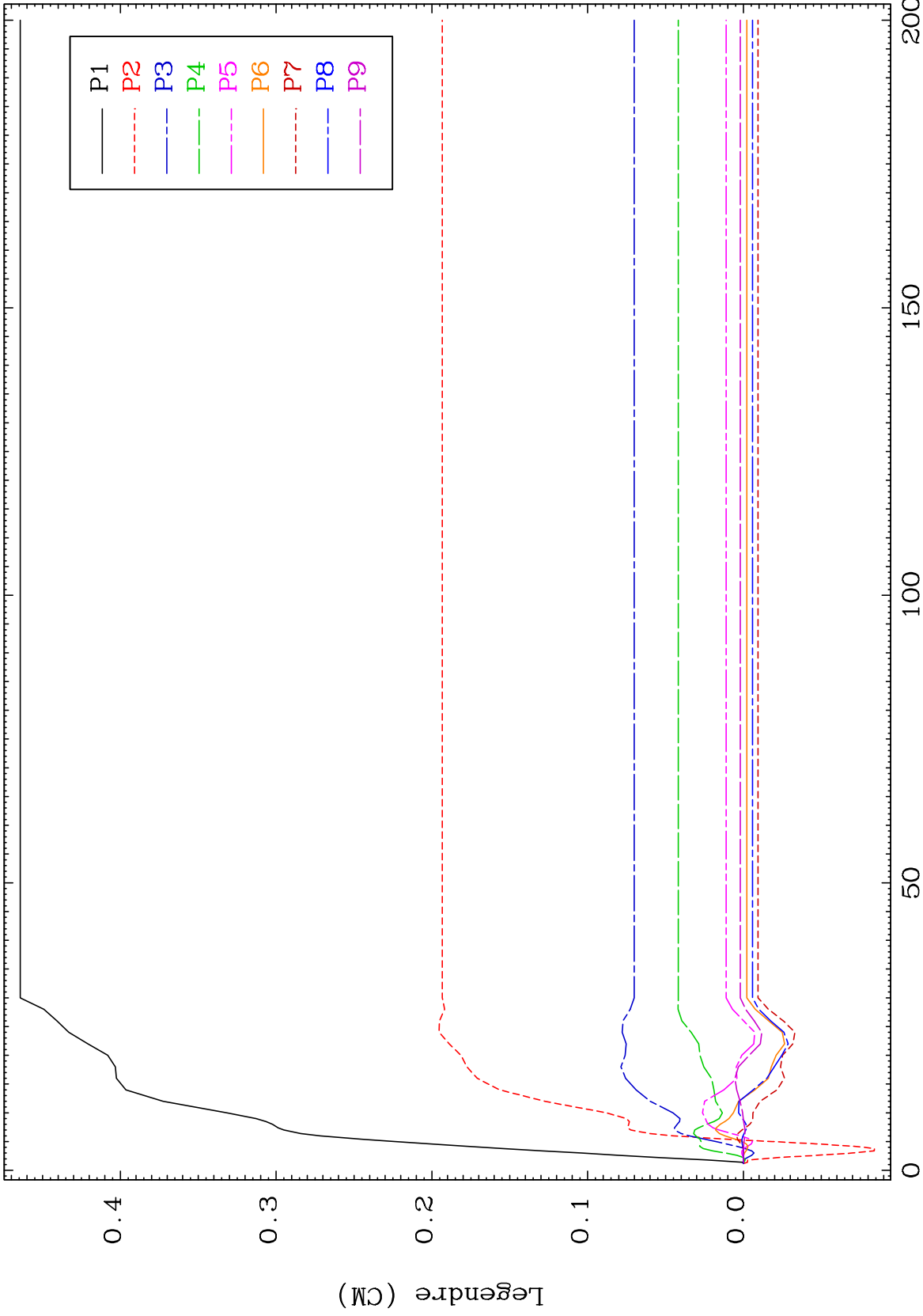
41

62-Sm-137

MAT 6204

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

62-Sm-137



42

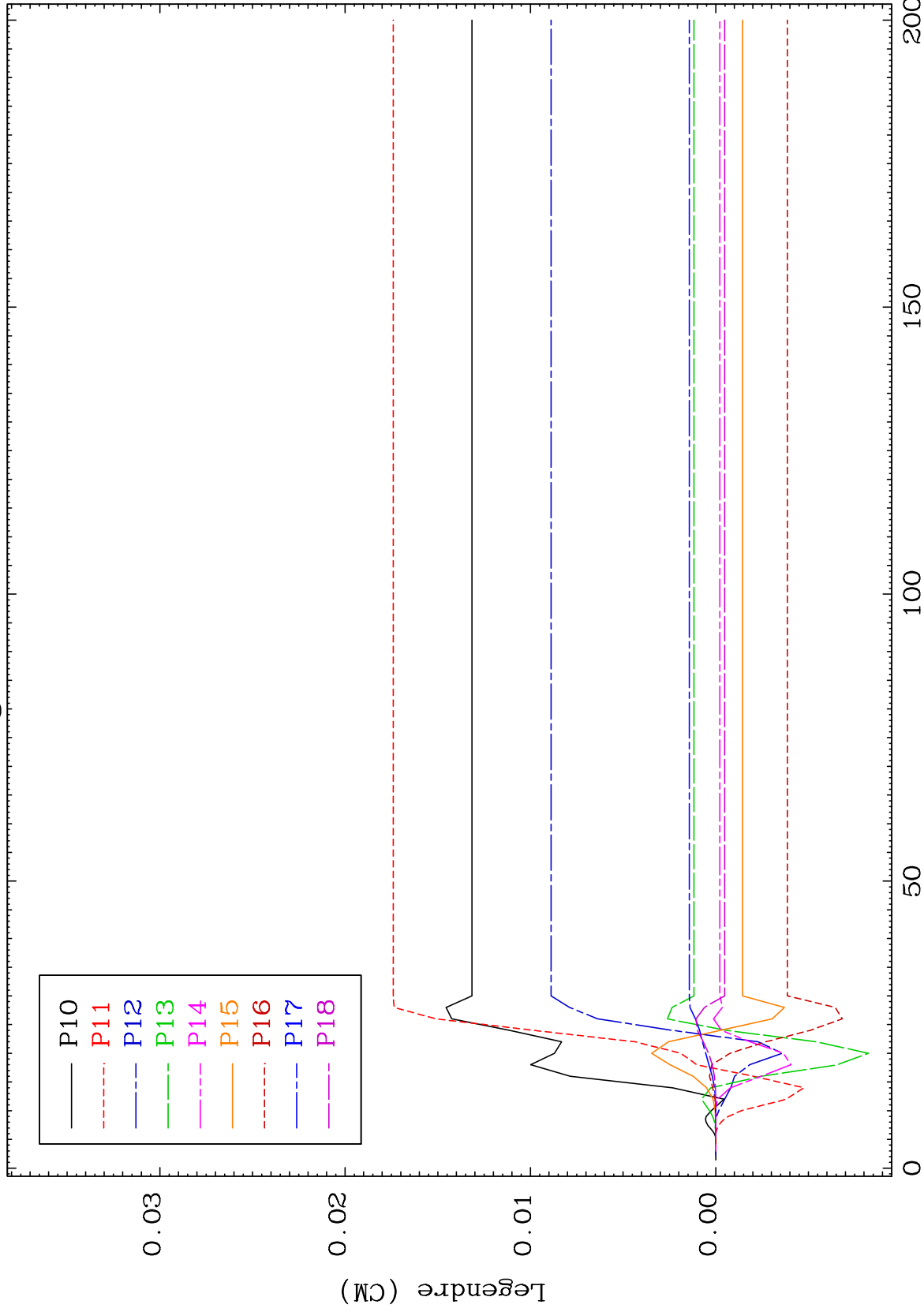
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



43

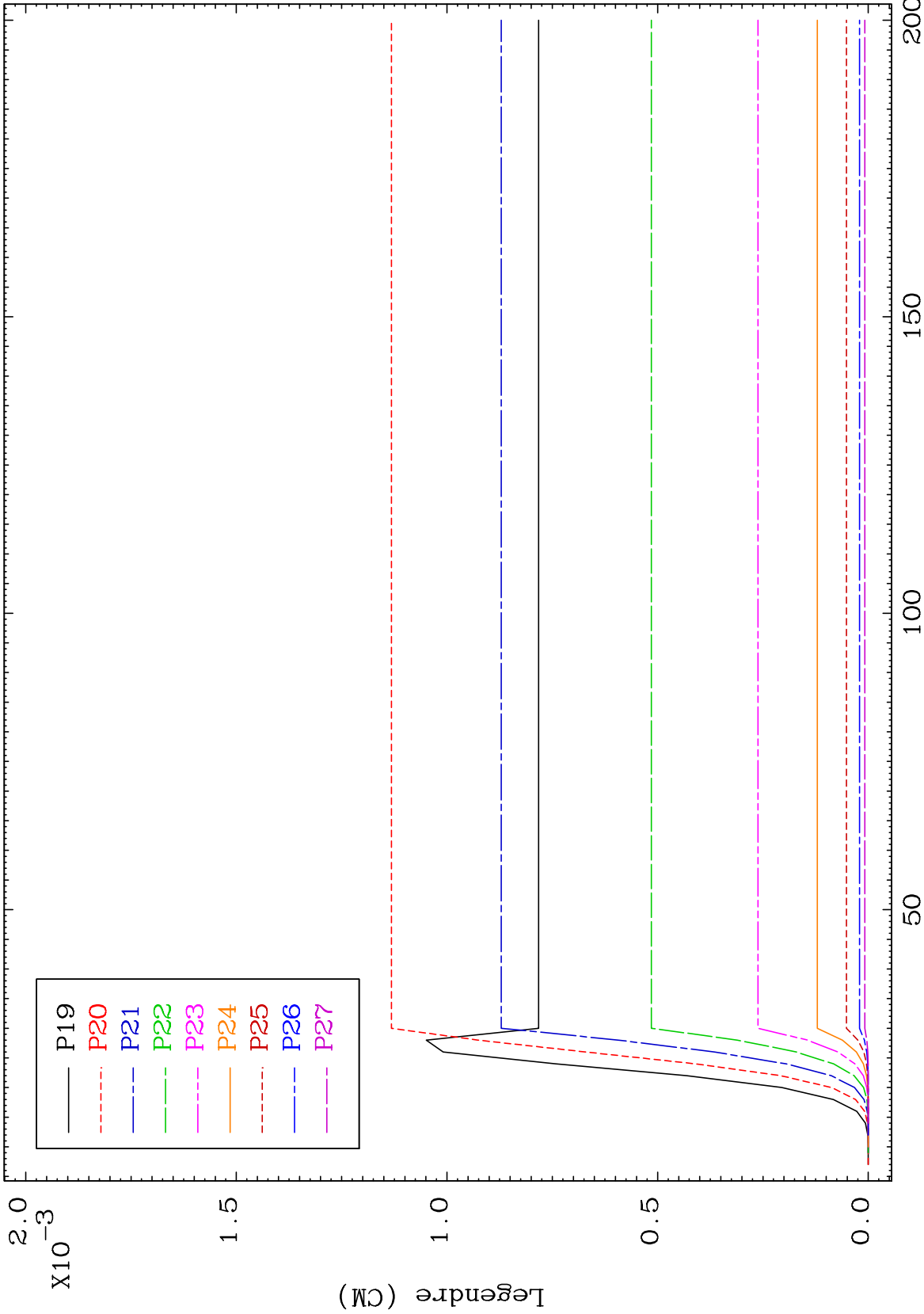
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

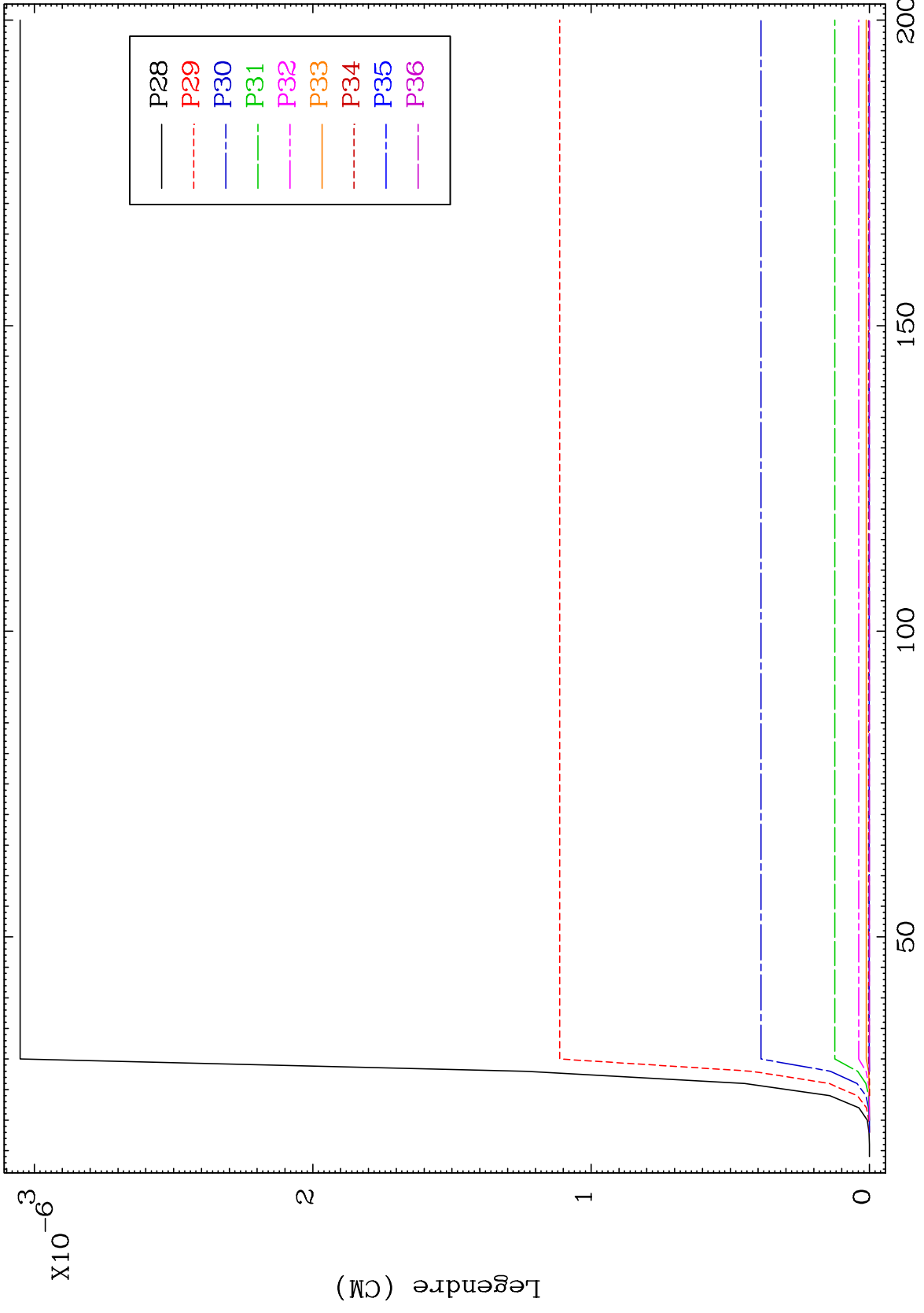
62-Sm-137



MAT 6204

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

62-Sm-137



45

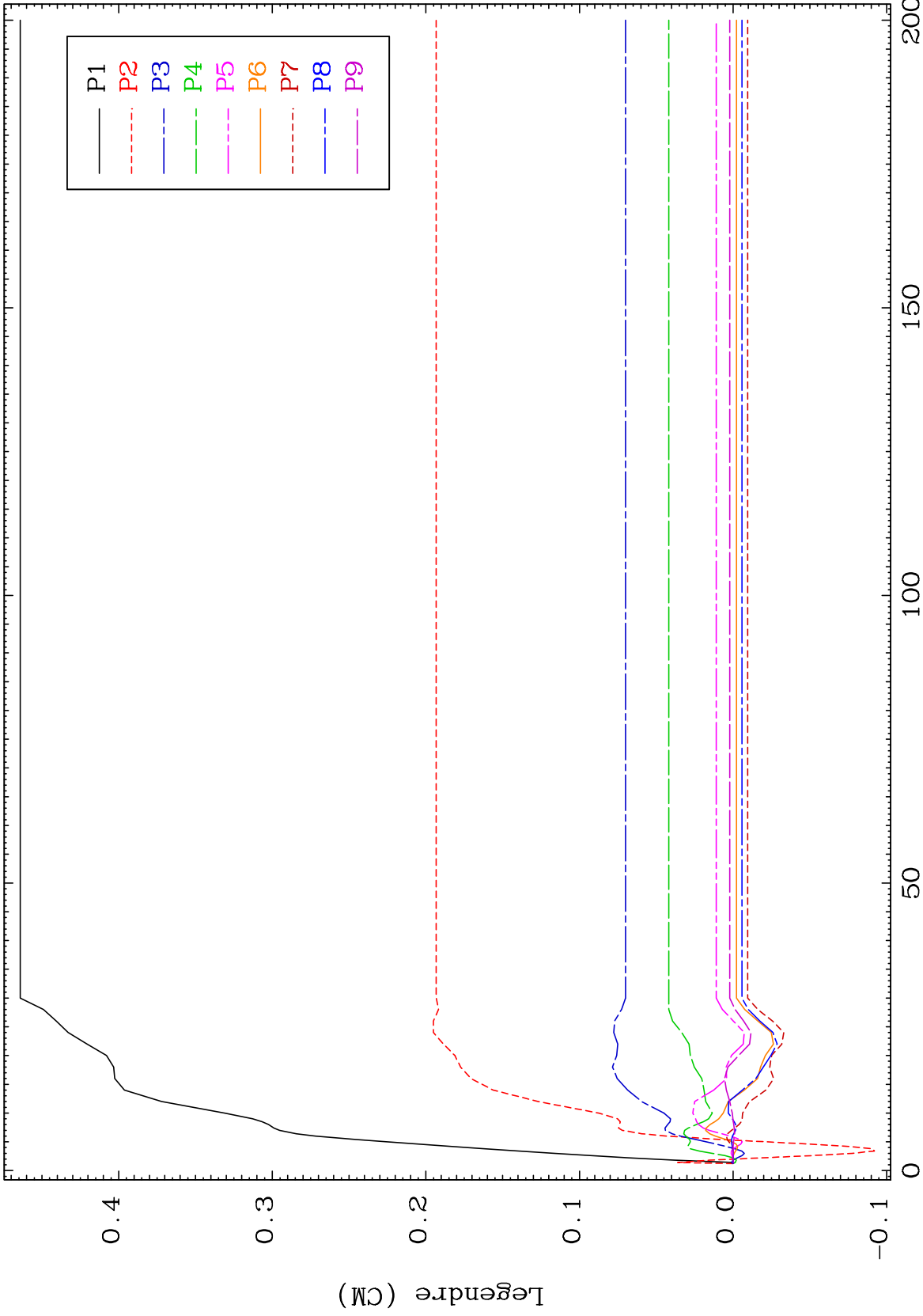
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



46

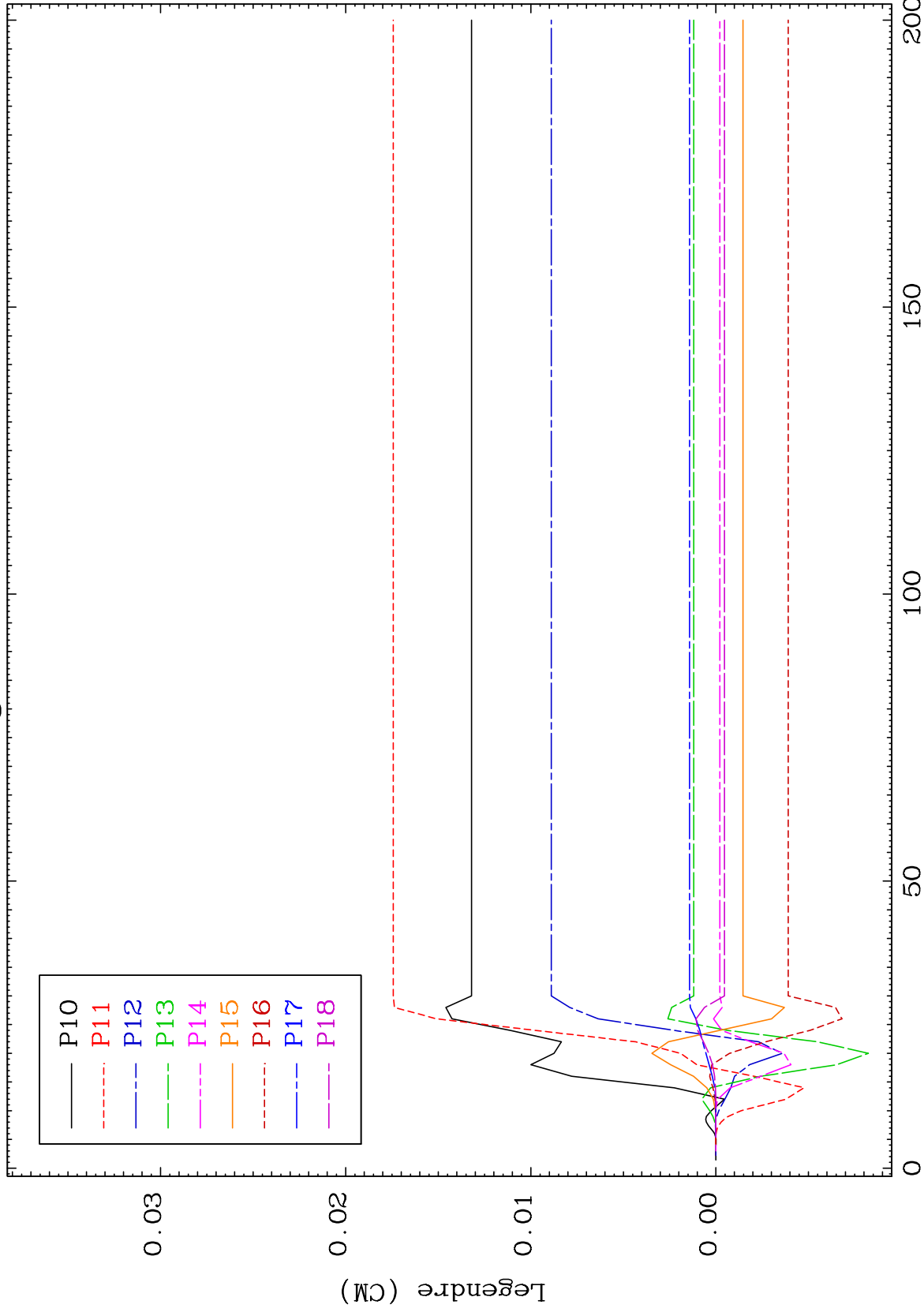
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



47

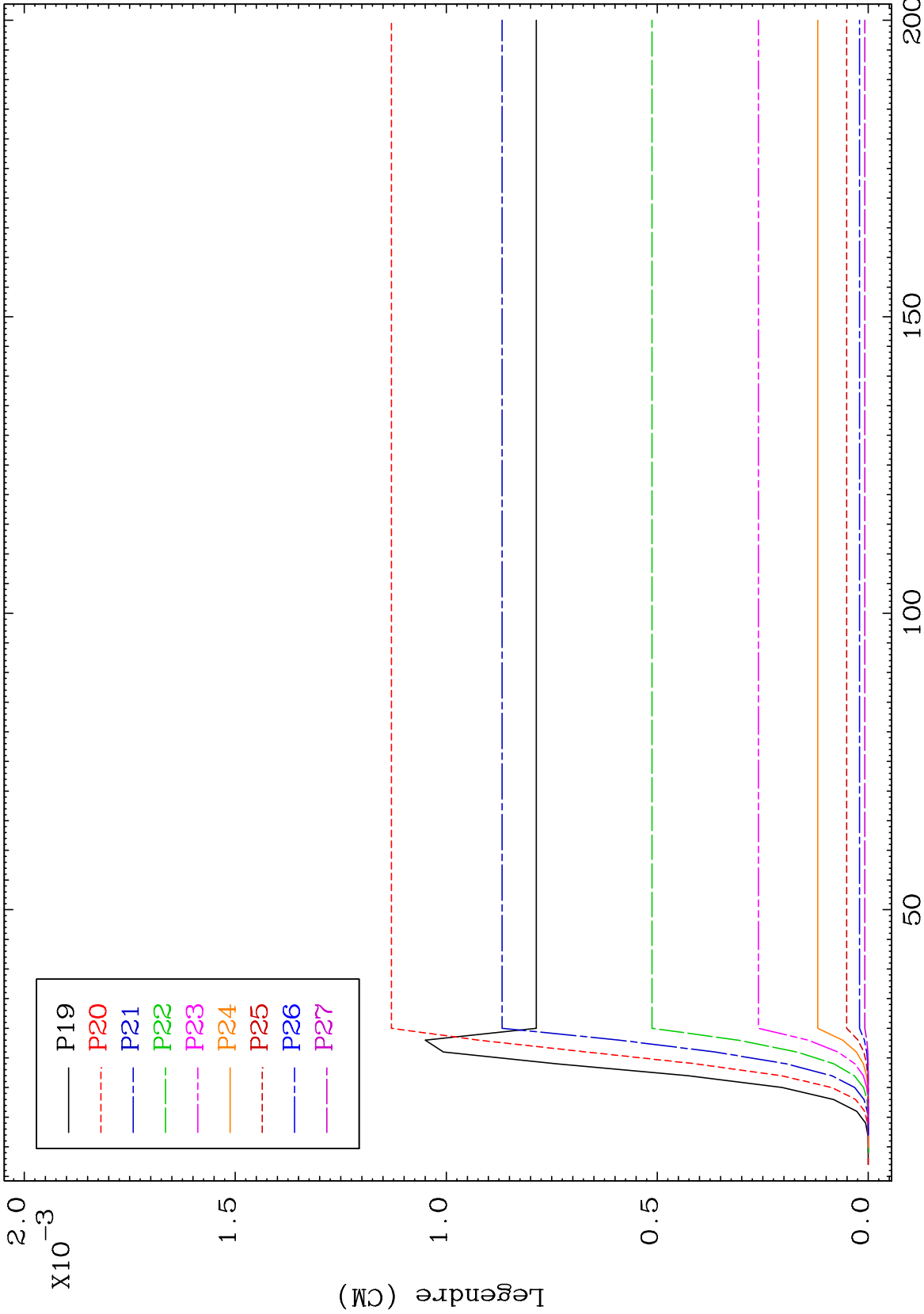
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



48

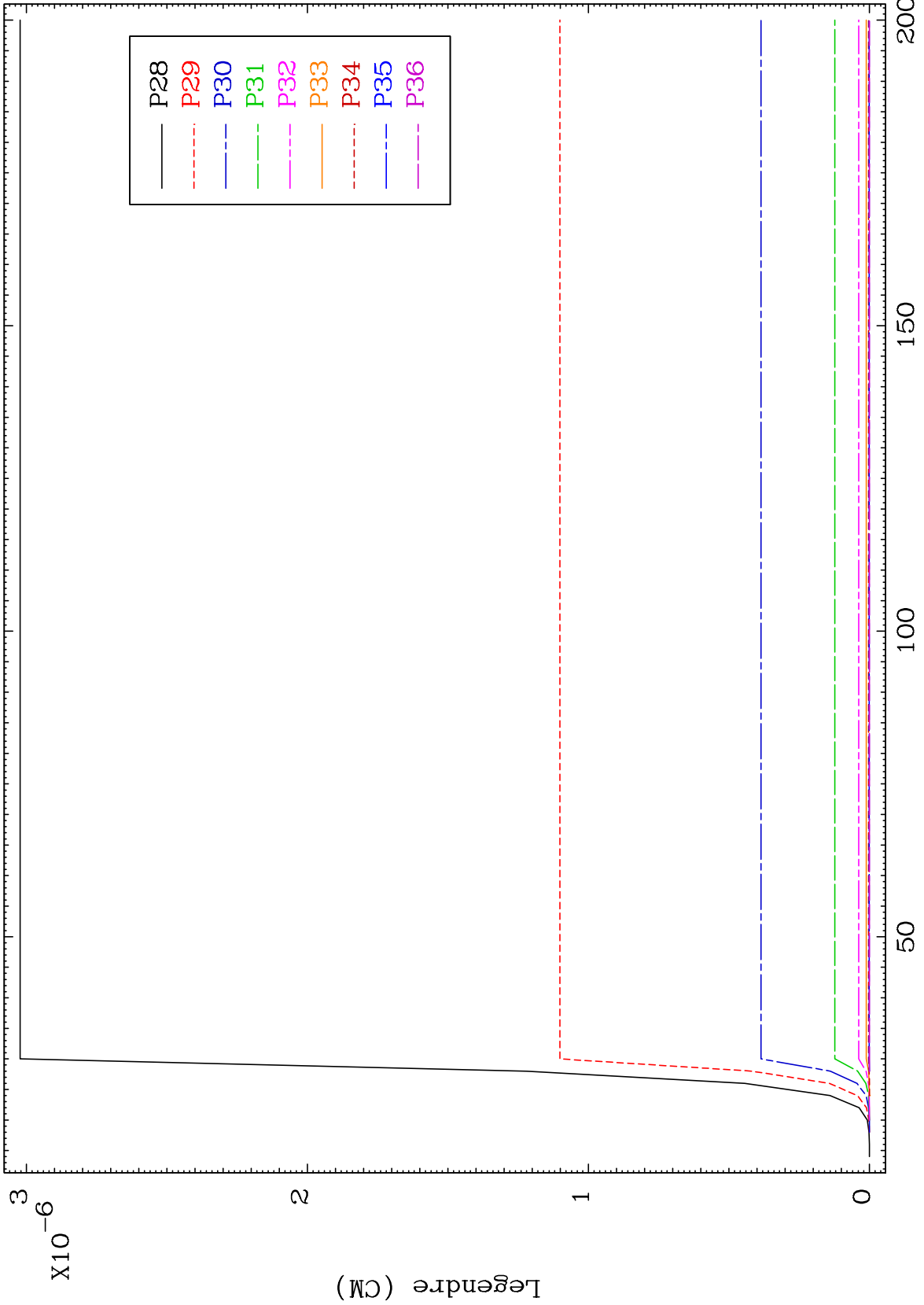
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



49

Incident Energy (MeV)

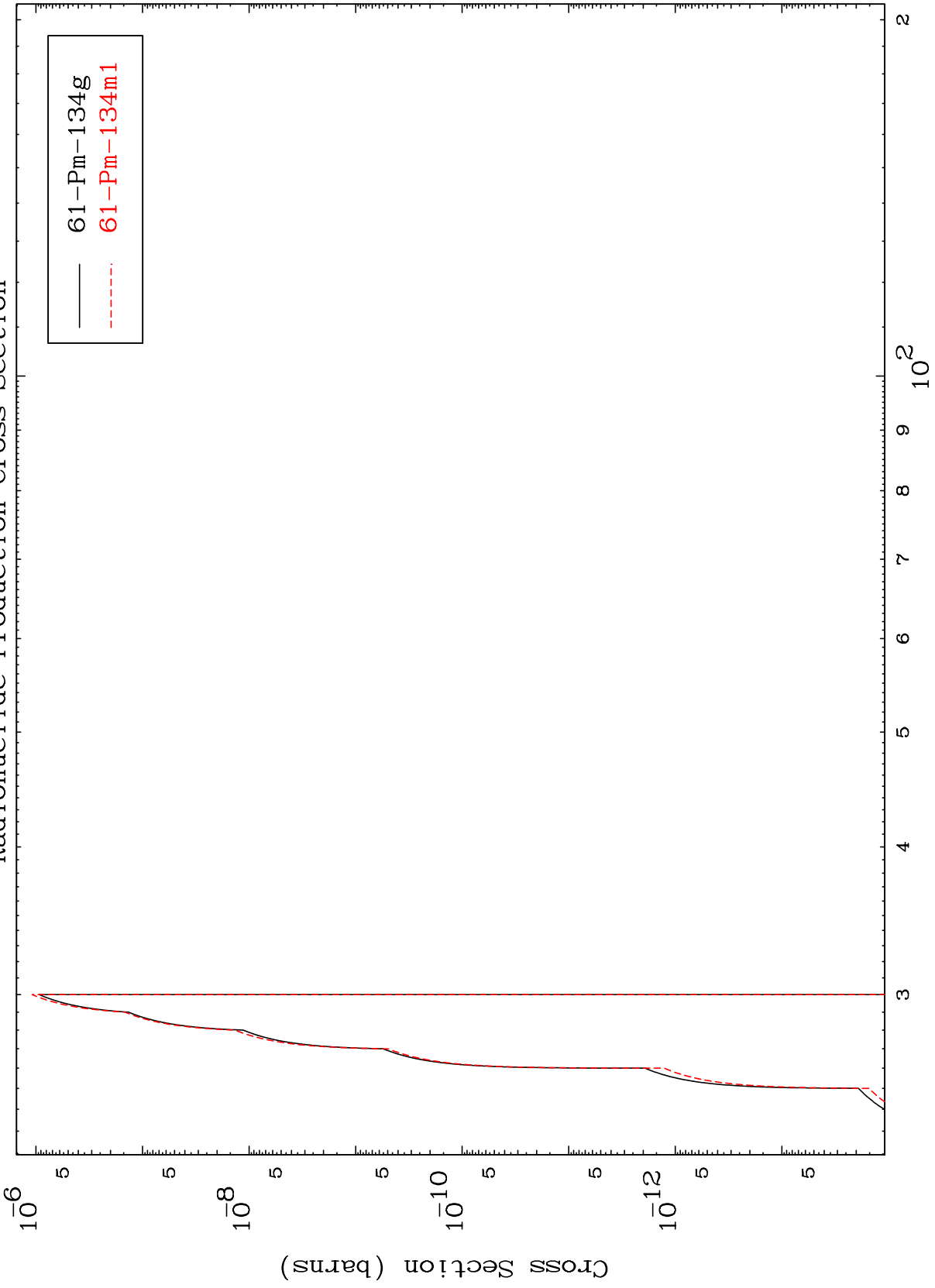
62-Sm-137

MAT 6204

(n,2n) d

62-Sm-137

Radionuclide Production Cross Section



50

Incident Energy (MeV)

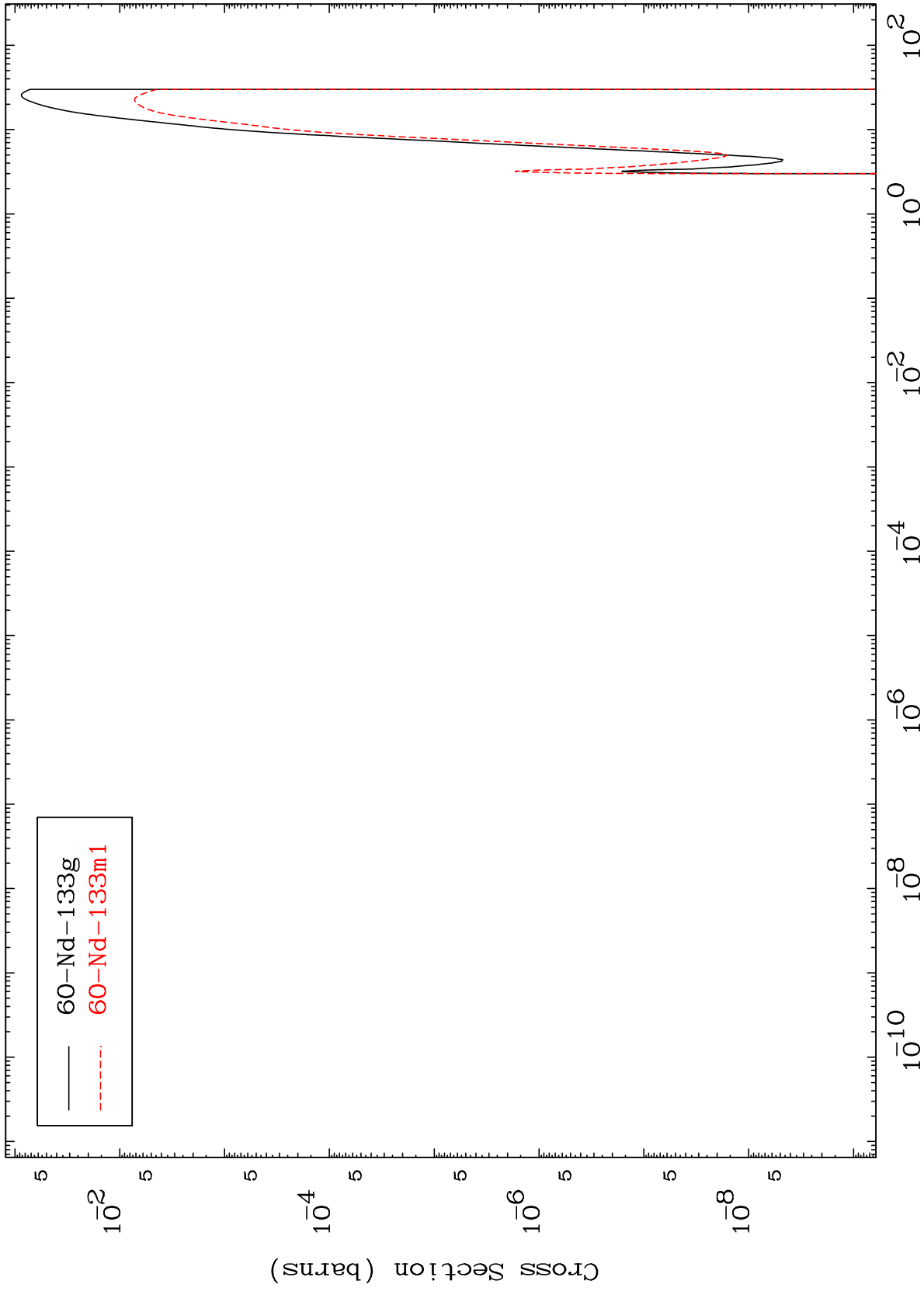
62-Sm-137

MAT 6204

(n, n') α

62-Sm-137

Radionuclide Production Cross Section



51

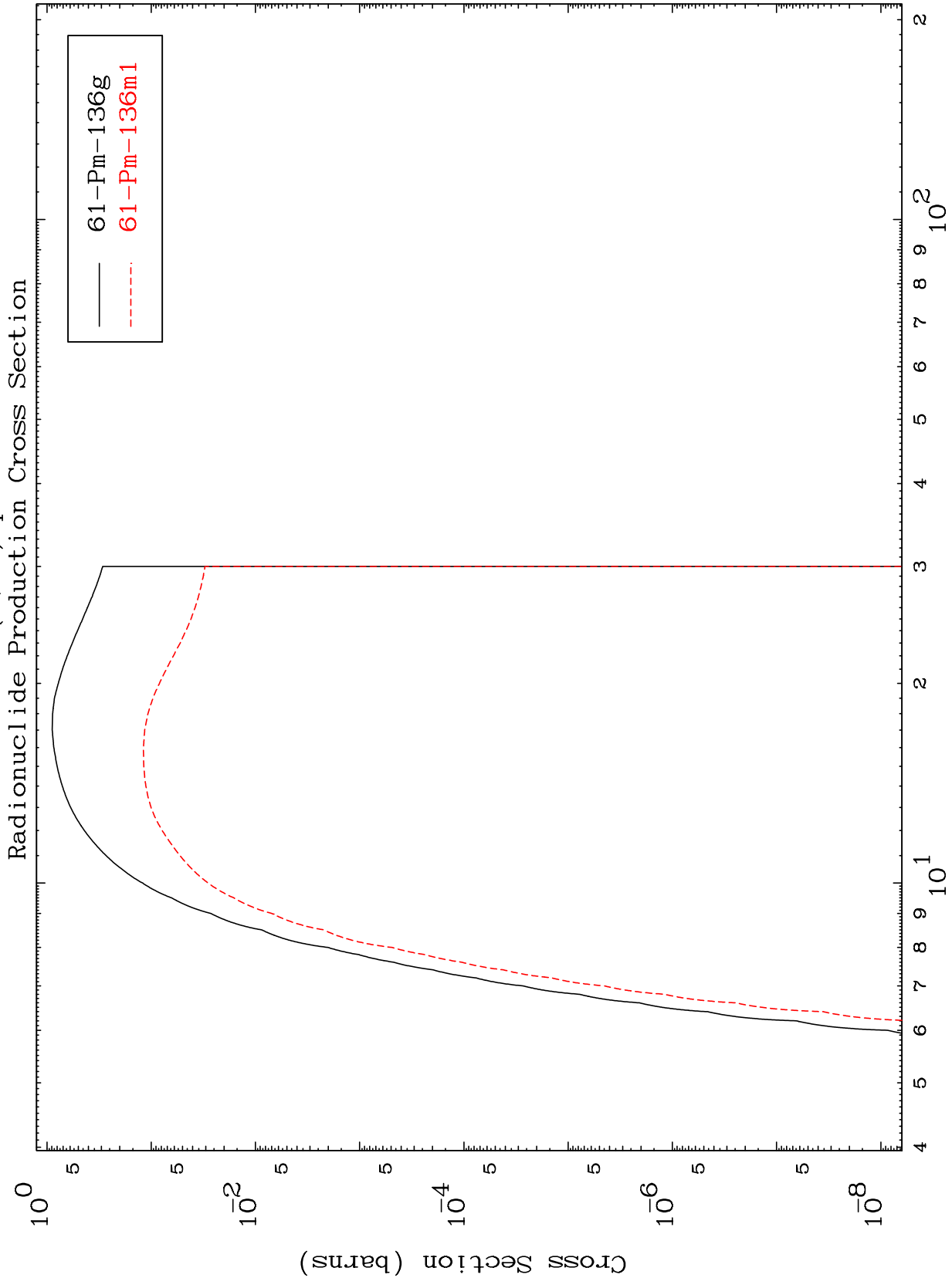
Incident Energy (MeV)

62-Sm-137

MAT 6204

(n,n') p

62-Sm-137



52

Incident Energy (MeV)

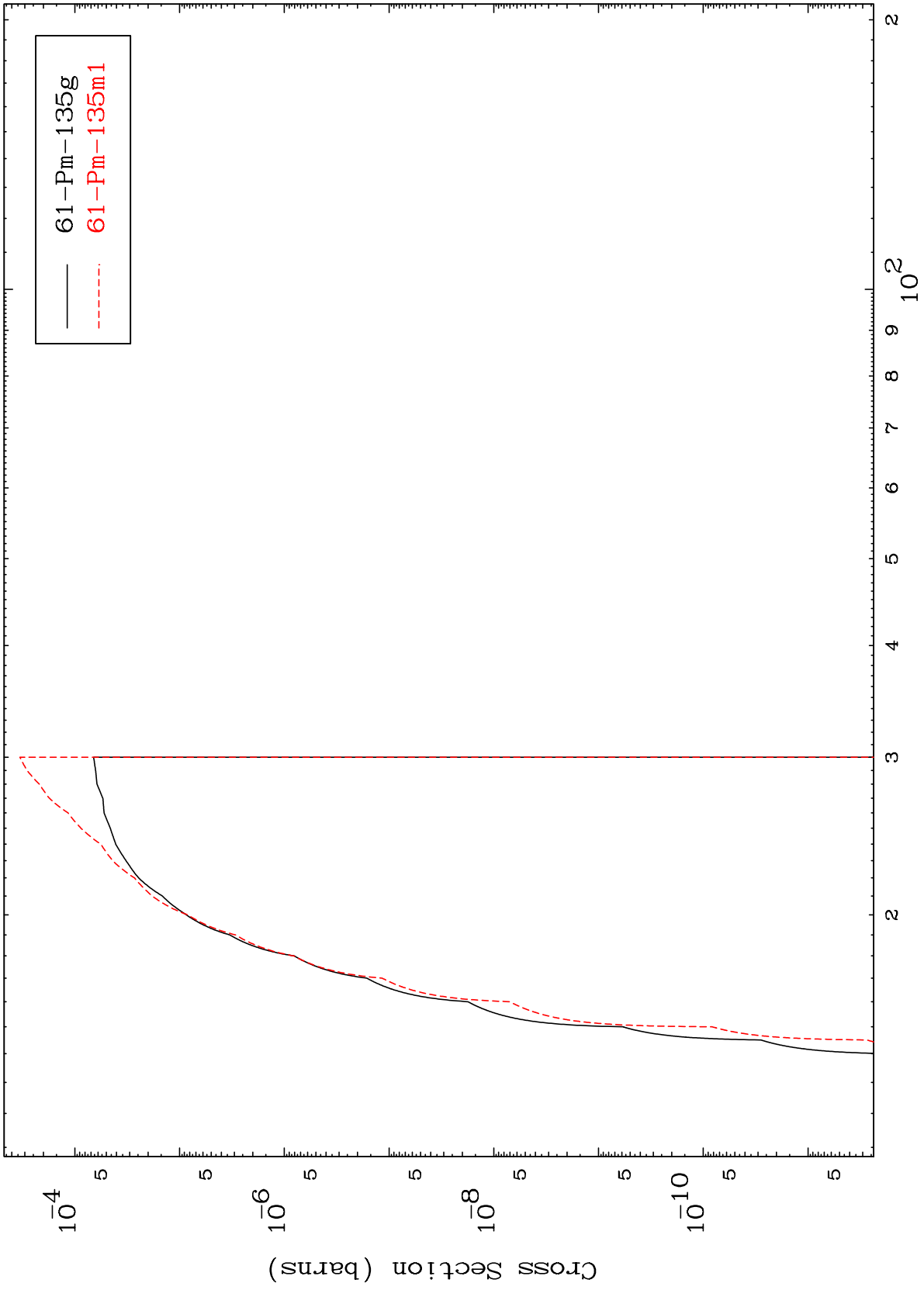
62-Sm-137

MAT 6204

(n,n') d

62-Sm-137

Radionuclide Production Cross Section



53

Incident Energy (MeV)

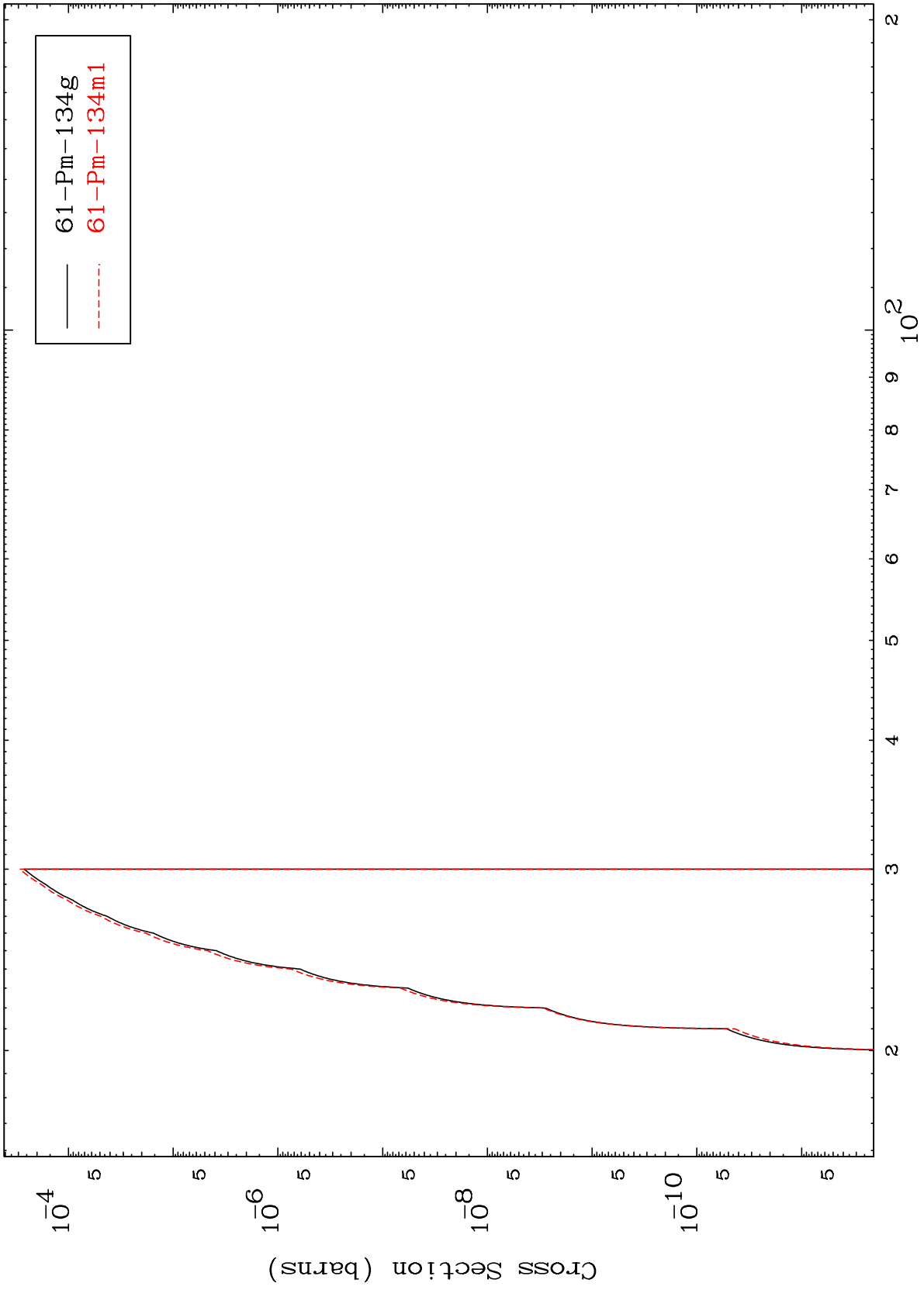
62-Sm-137

MAT 6204

(n,n') t

62-Sm-137

Radionuclide Production Cross Section



54

Incident Energy (MeV)

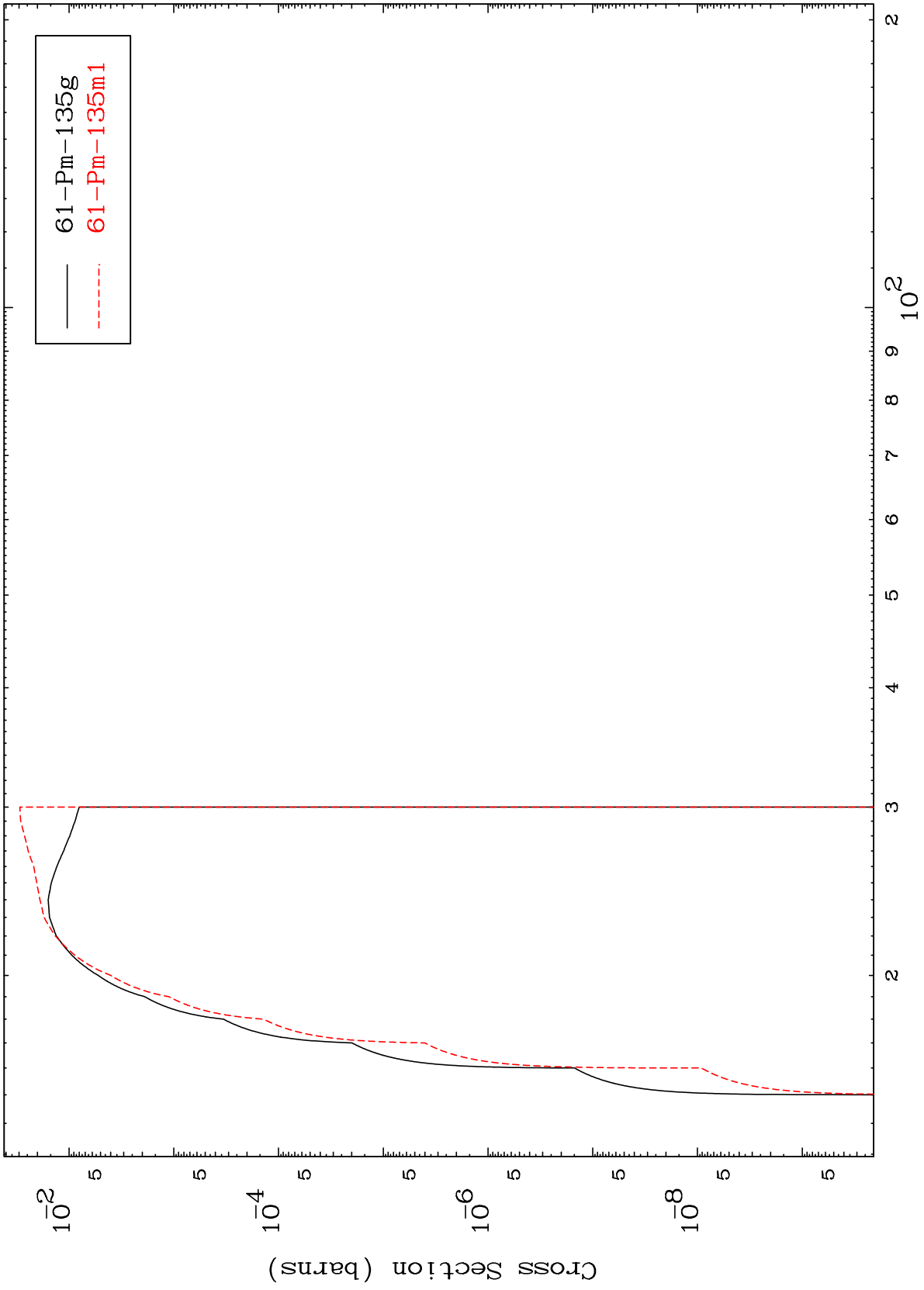
62-Sm-137

MAT 6204

(n,2n) p

62-Sm-137

Radionuclide Production Cross Section



55

Incident Energy (MeV)

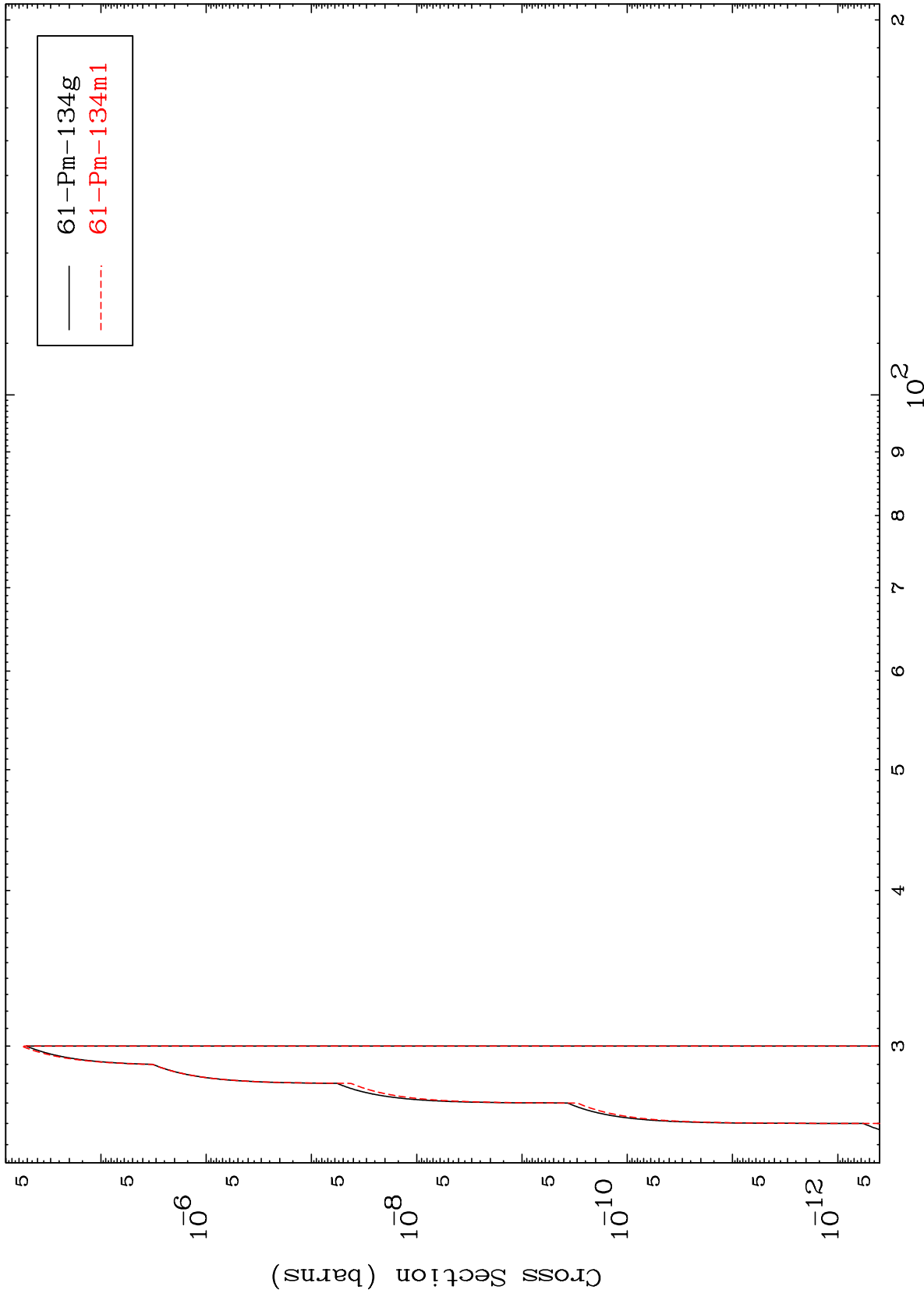
62-Sm-137

MAT 6204

(n,3n) p

62-Sm-137

Radionuclide Production Cross Section



56

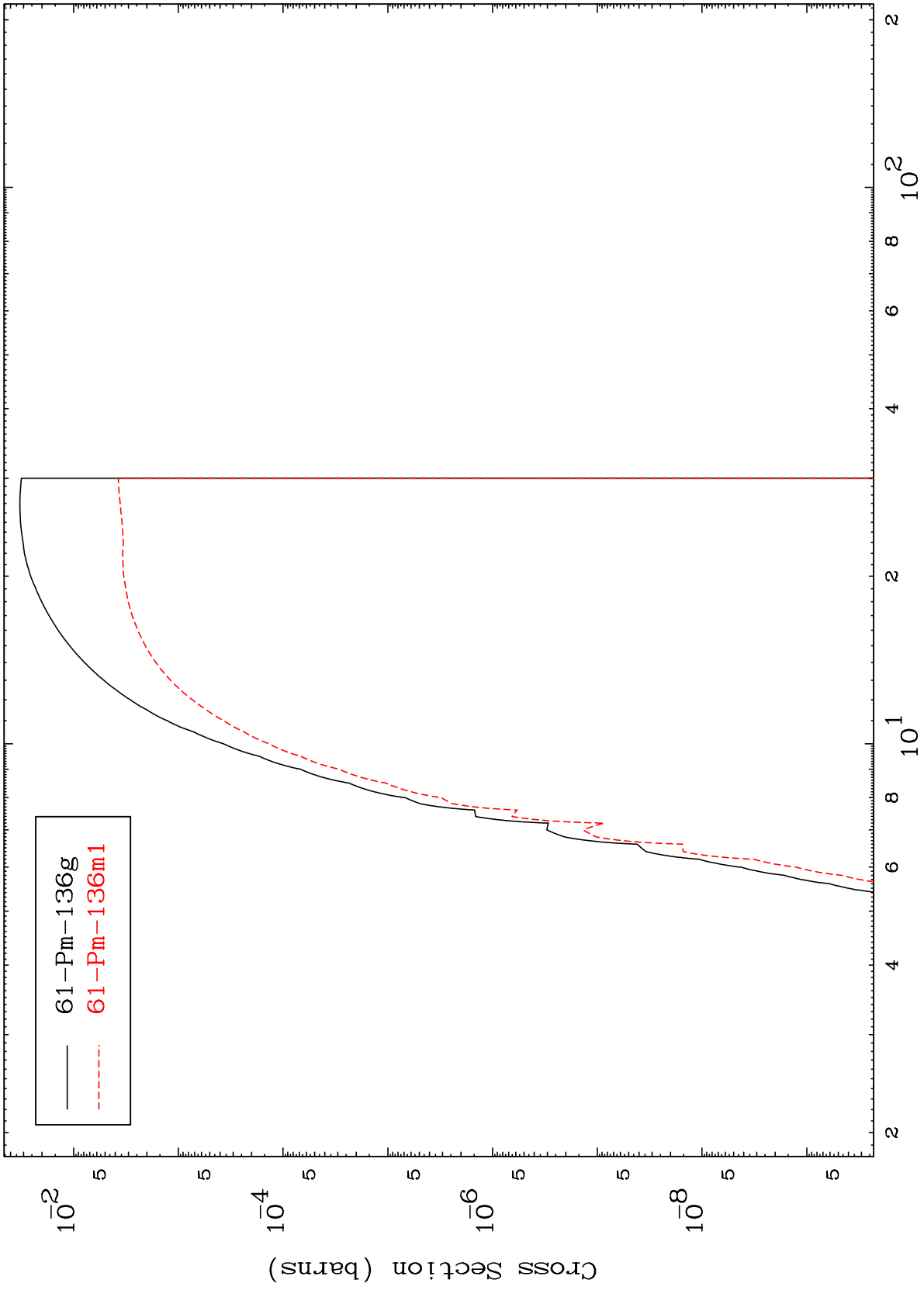
Incident Energy (MeV)

62-Sm-137

MAT 6204

(n,d)
Radionuclide Production Cross Section

62-Sm-137



57

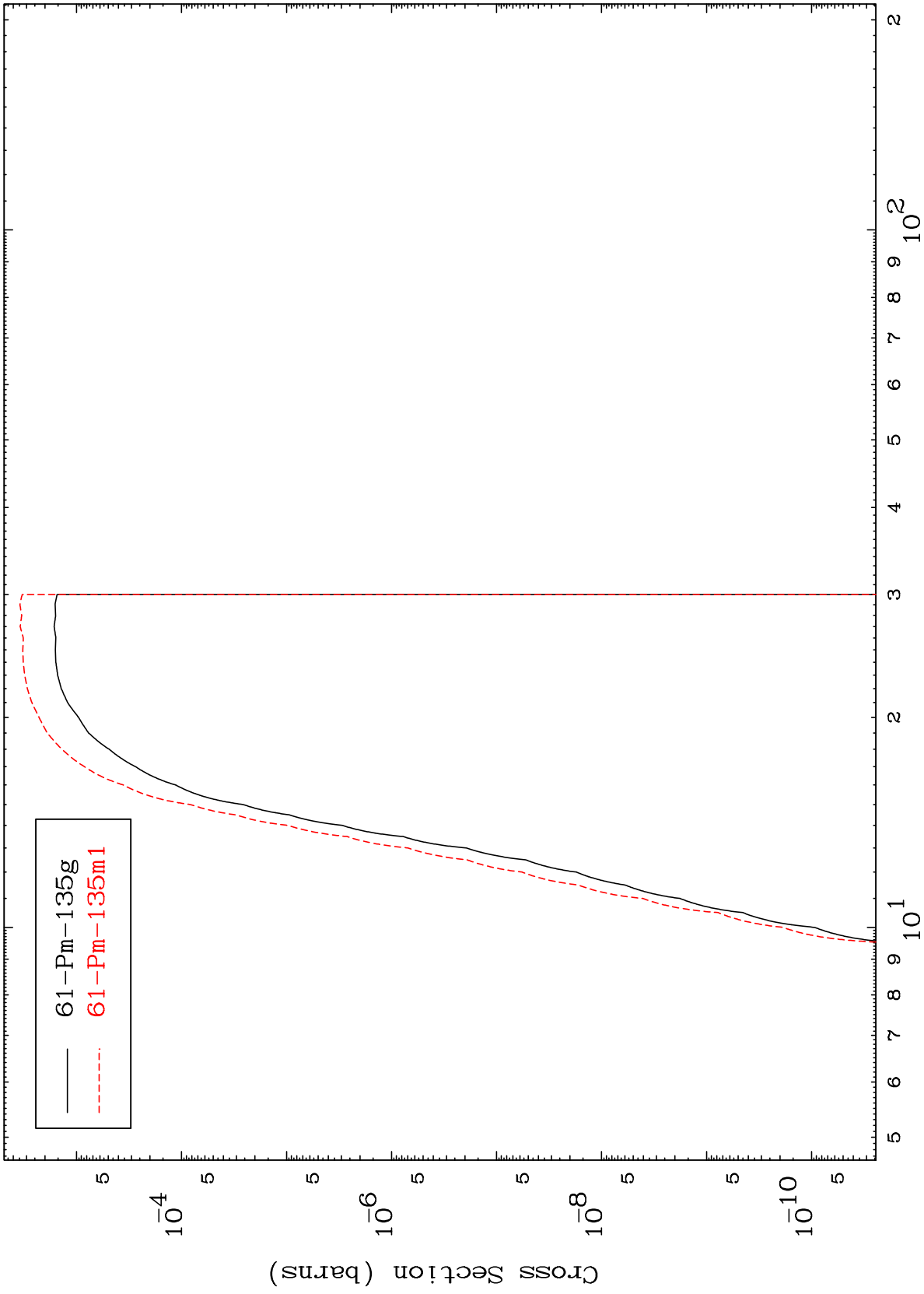
Incident Energy (MeV)

62-Sm-137

MAT 6204

62-Sm-137

(n, t)
Radionuclide Production Cross Section



58

Incident Energy (MeV)

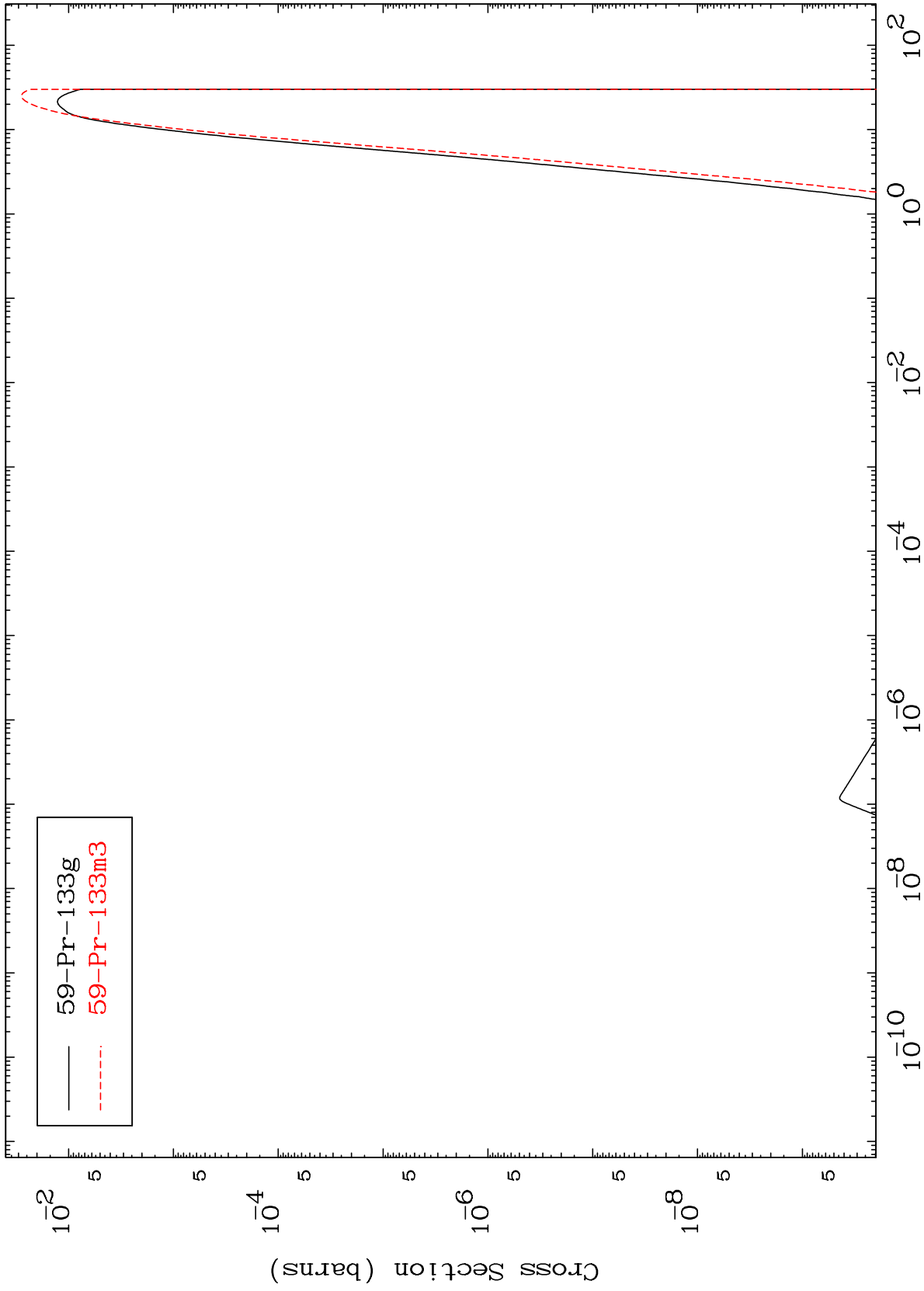
62-Sm-137

MAT 6204

(n,p) α

$^{62}\text{Sm-137}$

Radionuclide Production Cross Section



59

Incident Energy (MeV)

$^{62}\text{Sm-137}$