

Program EVALPLOT
(Version 2021-1)

by

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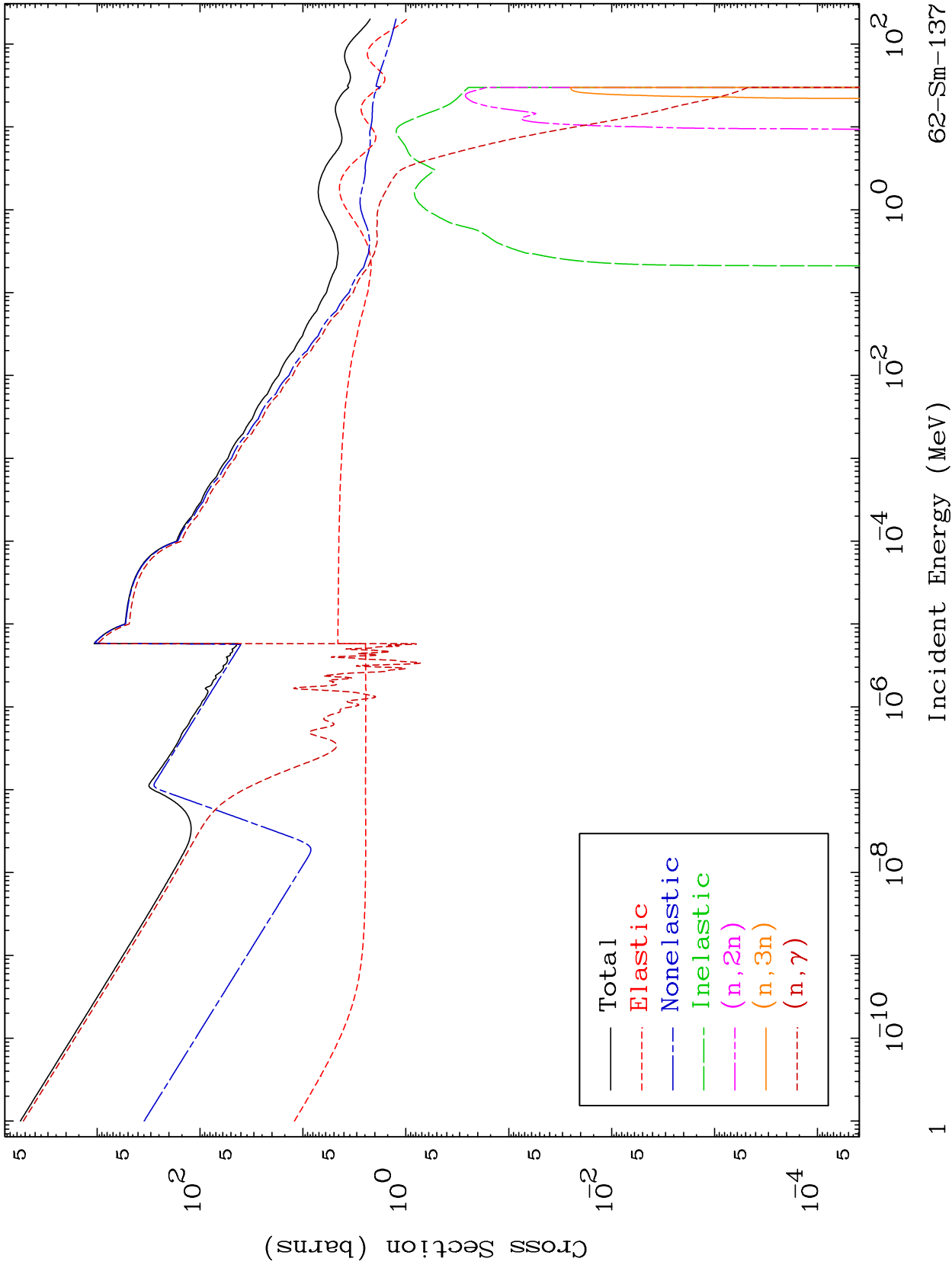
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Press Mouse Button to Start

MAT 6204

Neutron Major
293 Kelvin Cross Sections

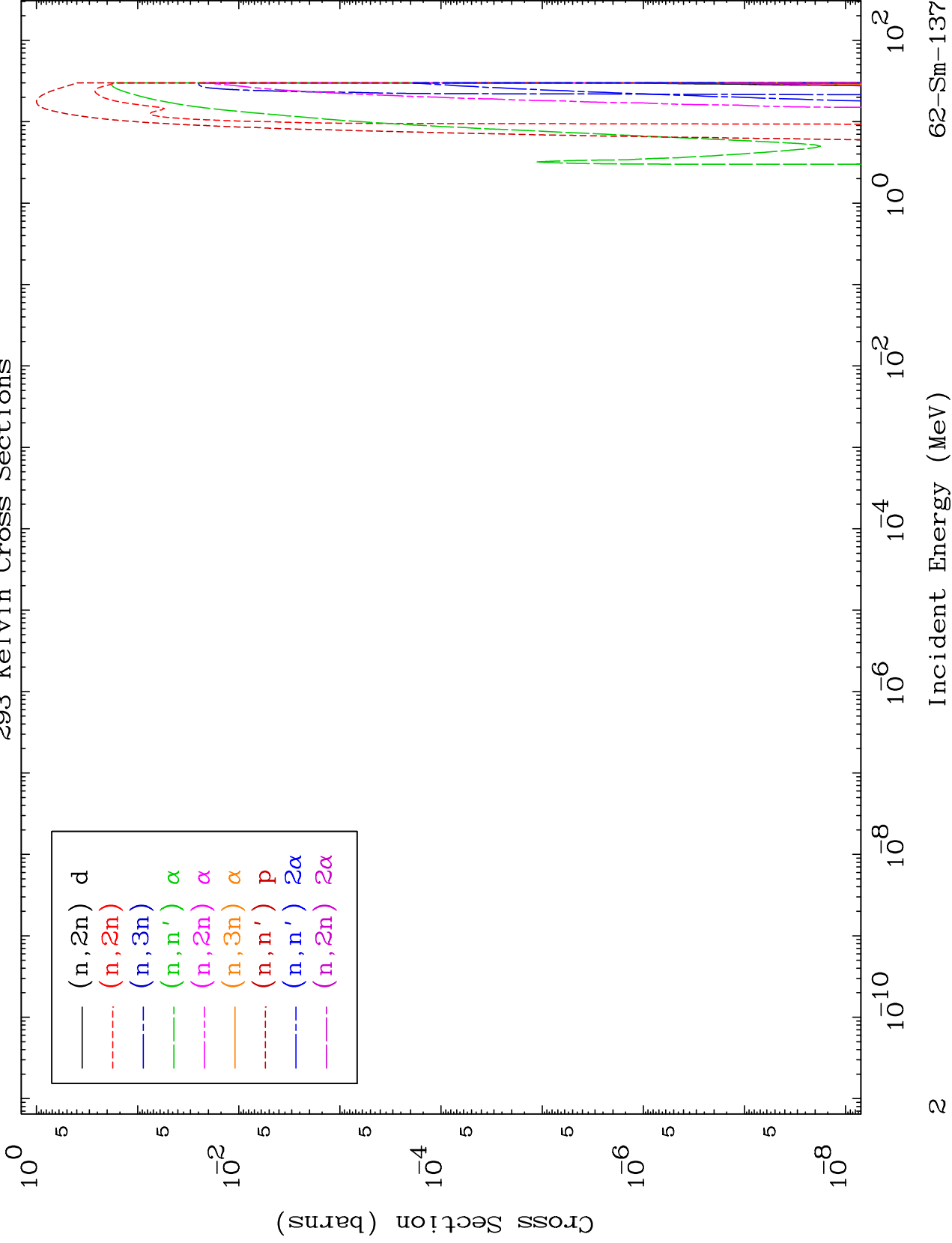
62-Sm-137



MAT 6204

Neutron Absorption
293 Kelvin Cross Sections

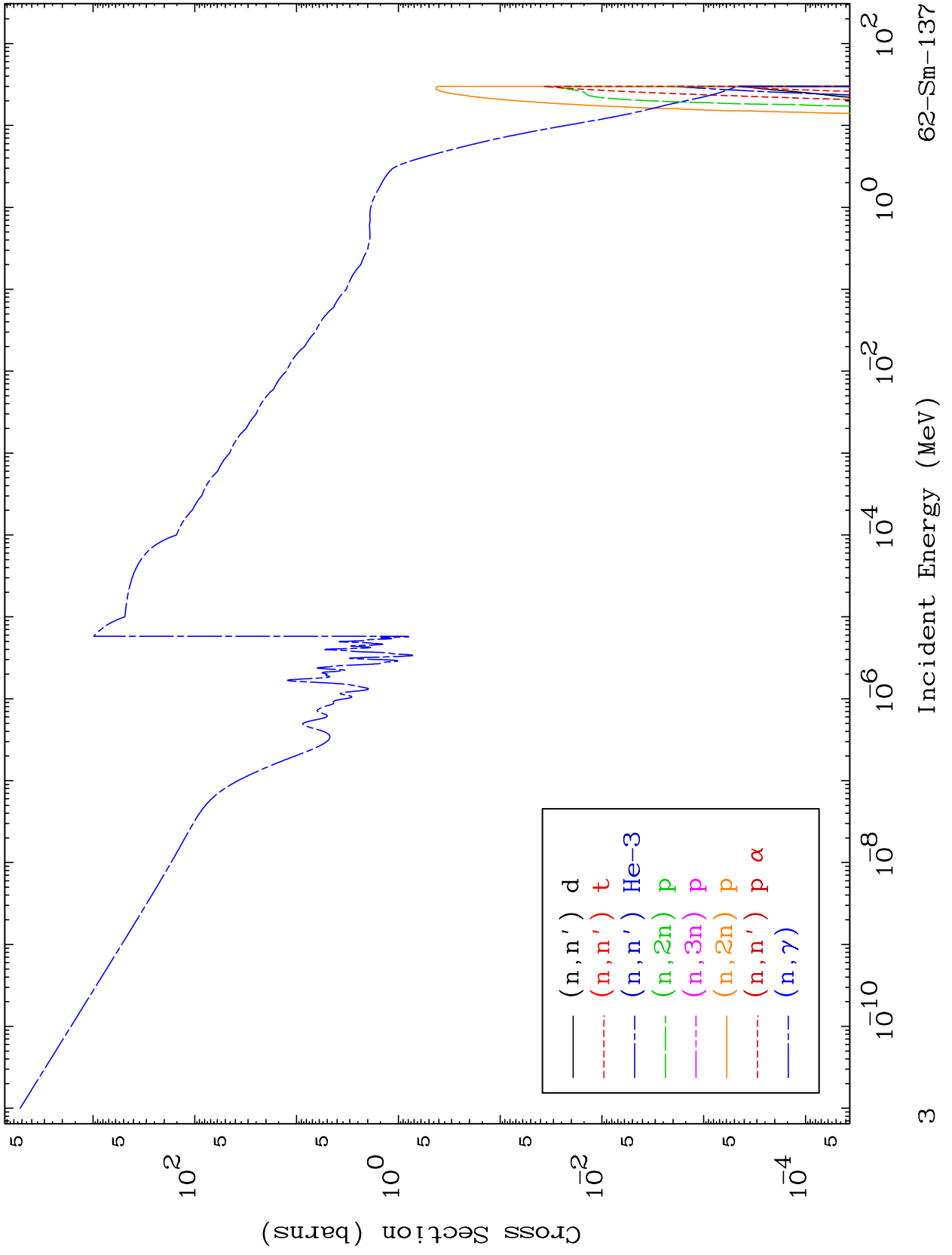
62-Sm-137



MAT 6204

Neutron Absorption
293 Kelvin Cross Sections

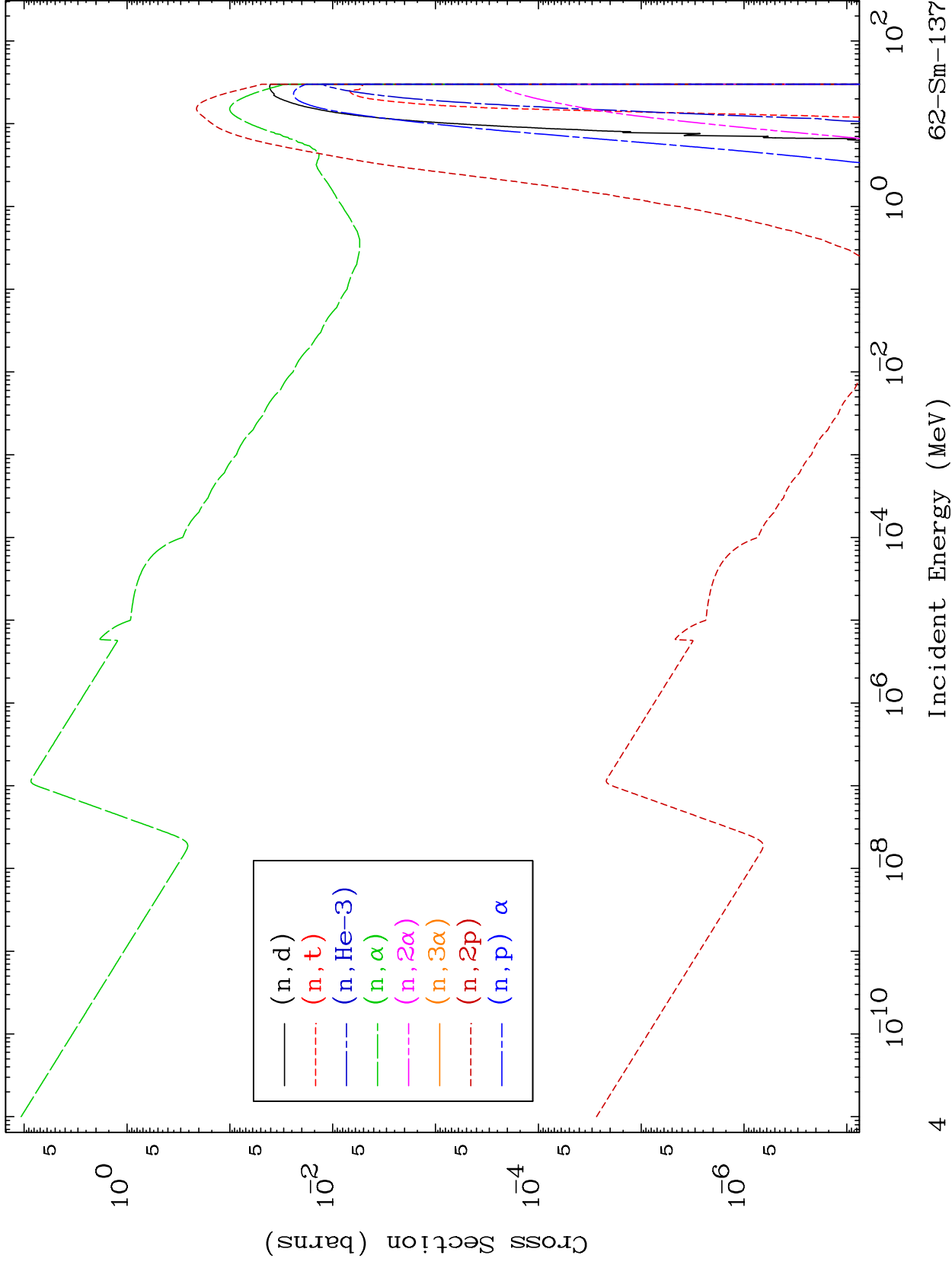
62-Sm-137

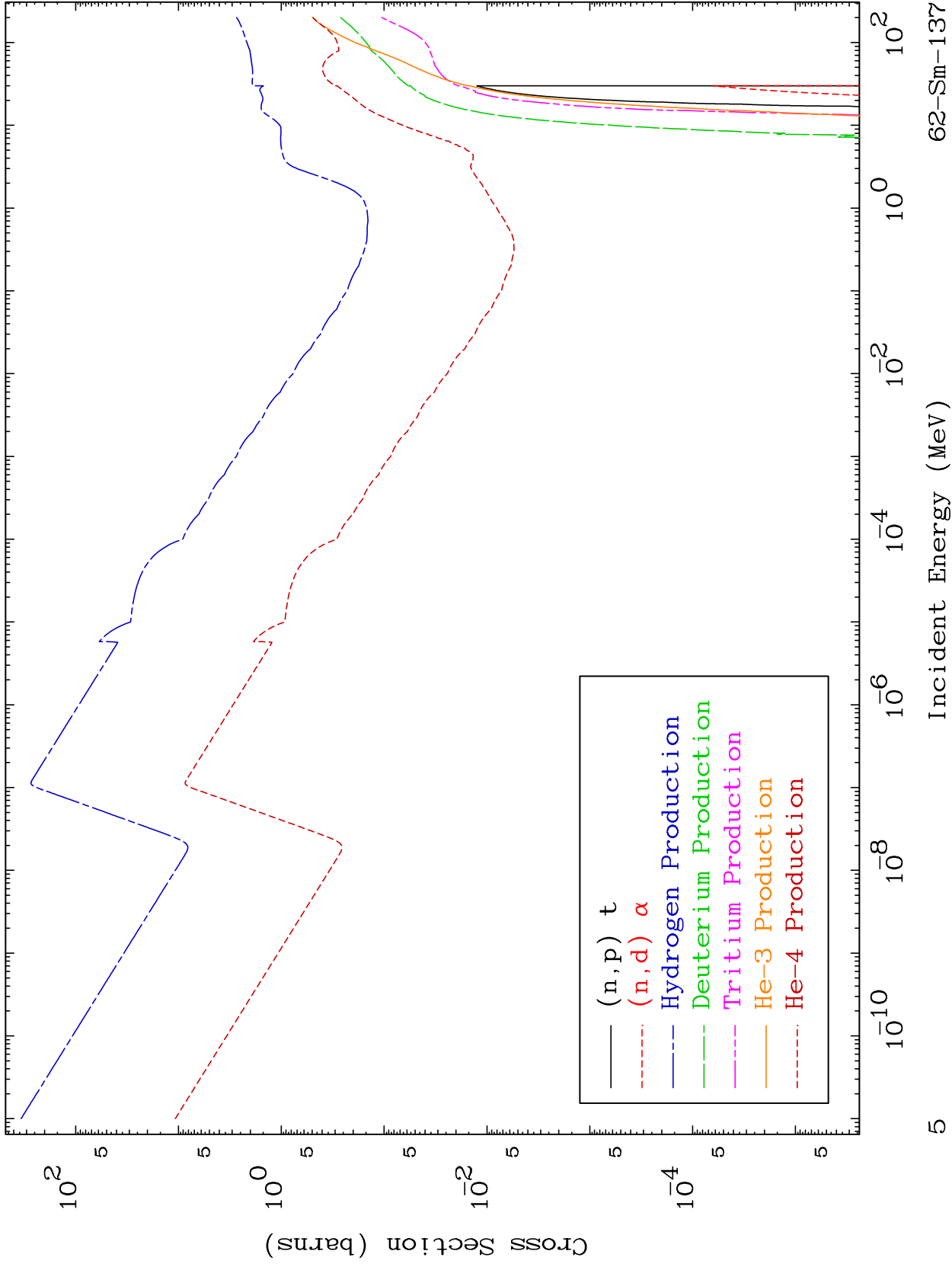


MAT 6204

Neutron Absorption
293 Kelvin Cross Sections

62-Sm-137

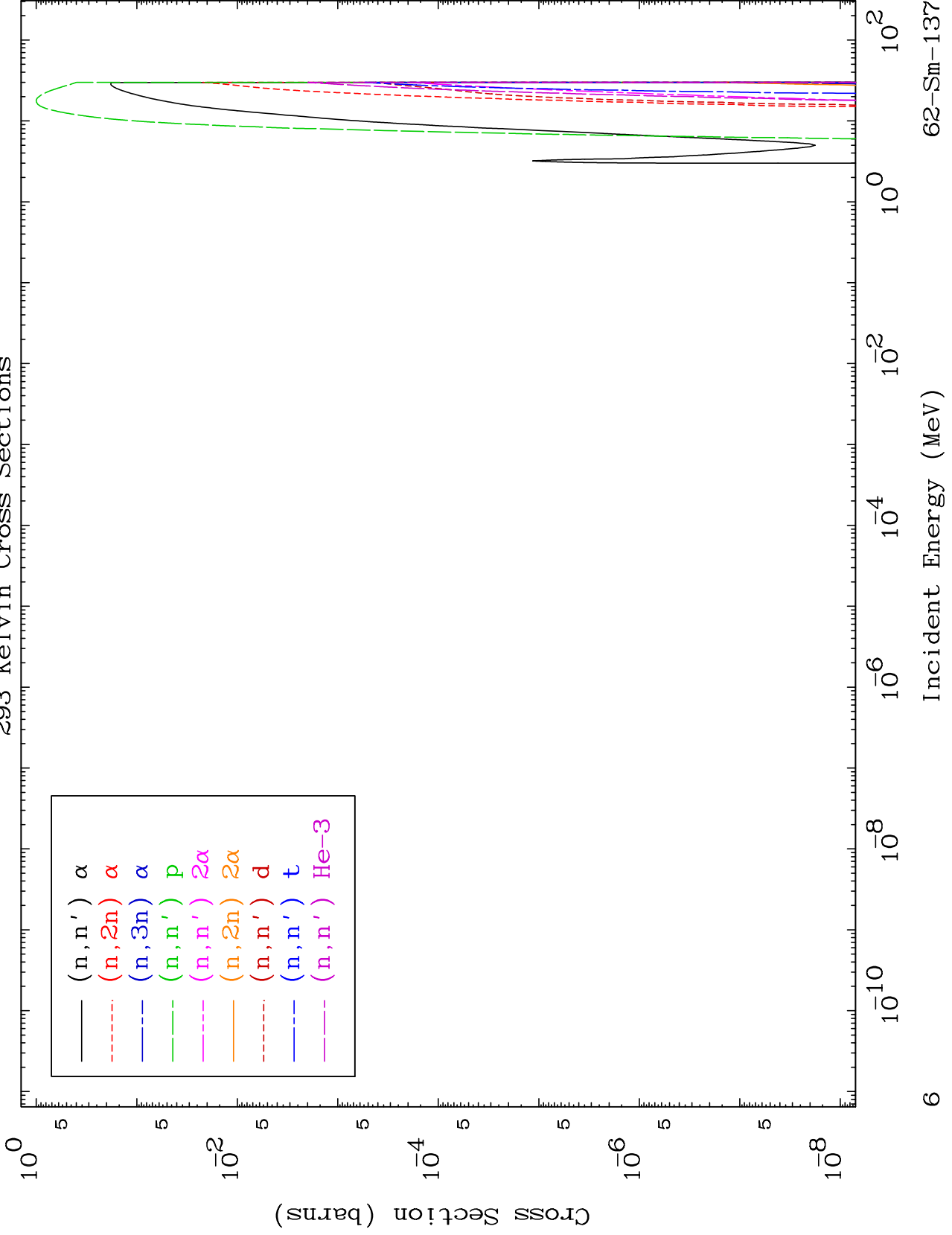




MAT 6204

Charged Particle
293 Kelvin Cross Sections

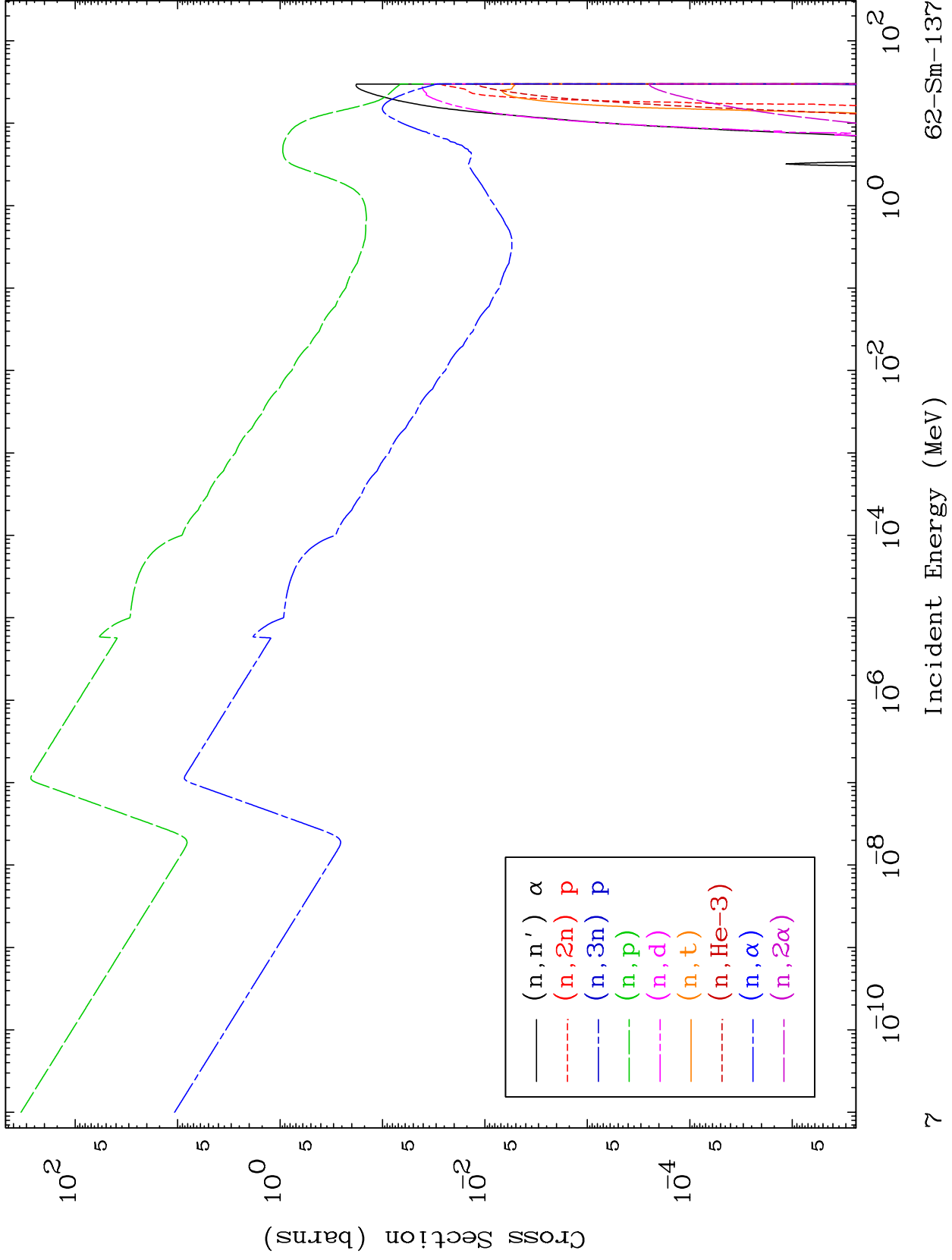
62-Sm-137



MAT 6204

Charged Particle
293 Kelvin Cross Sections

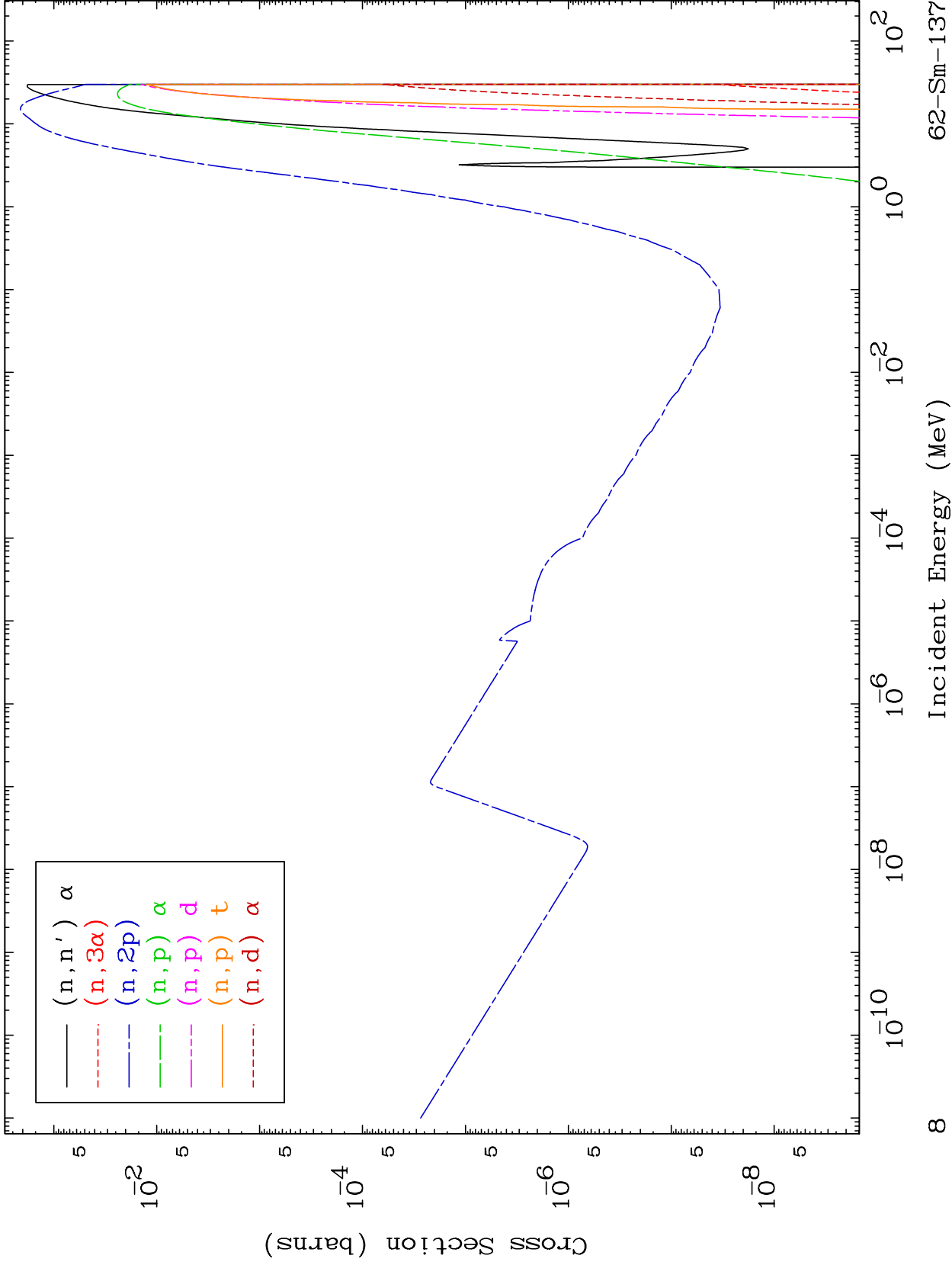
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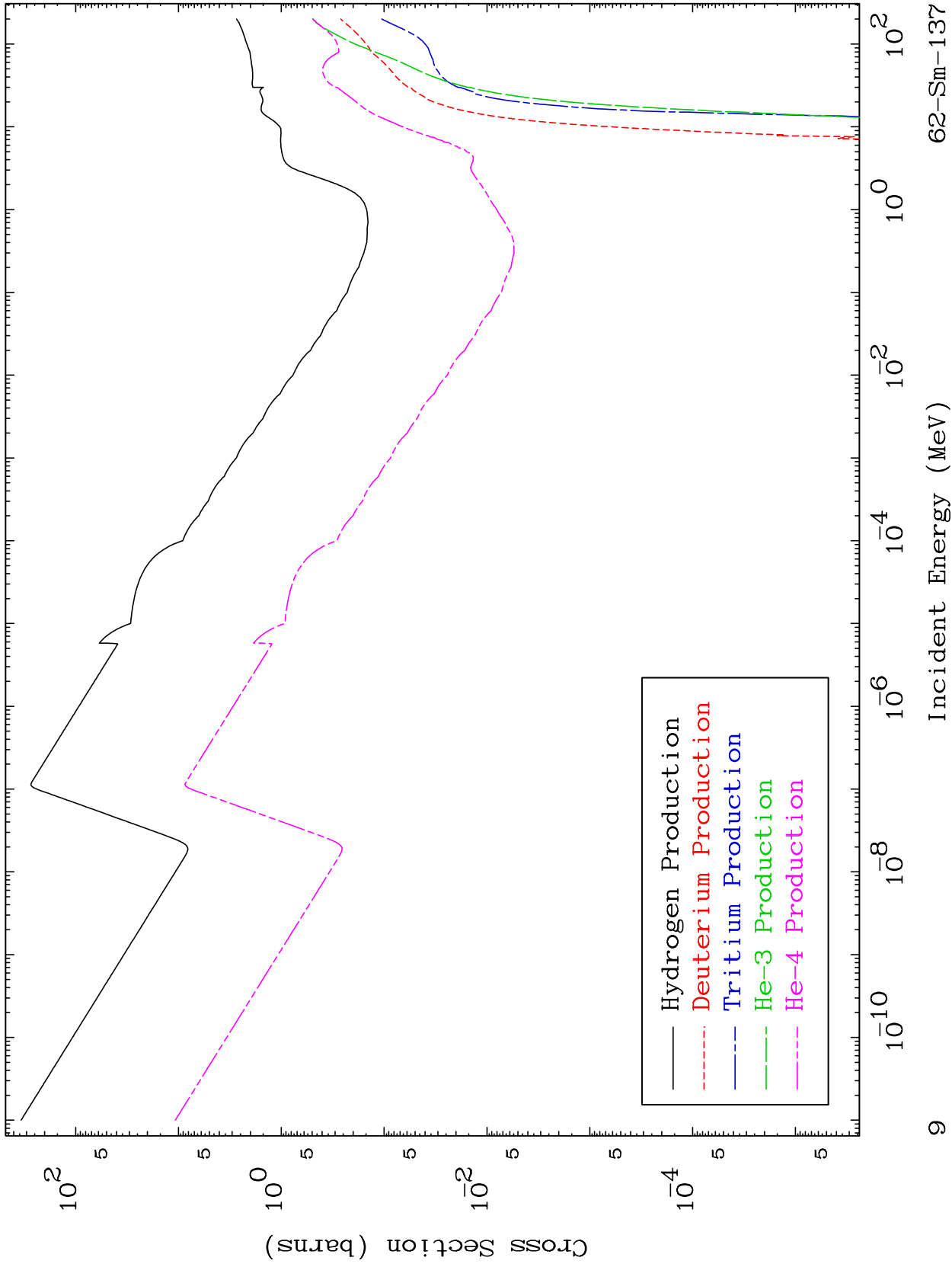


MAT 6204

Charged Particle
293 Kelvin Cross Sections

62-Sm-137

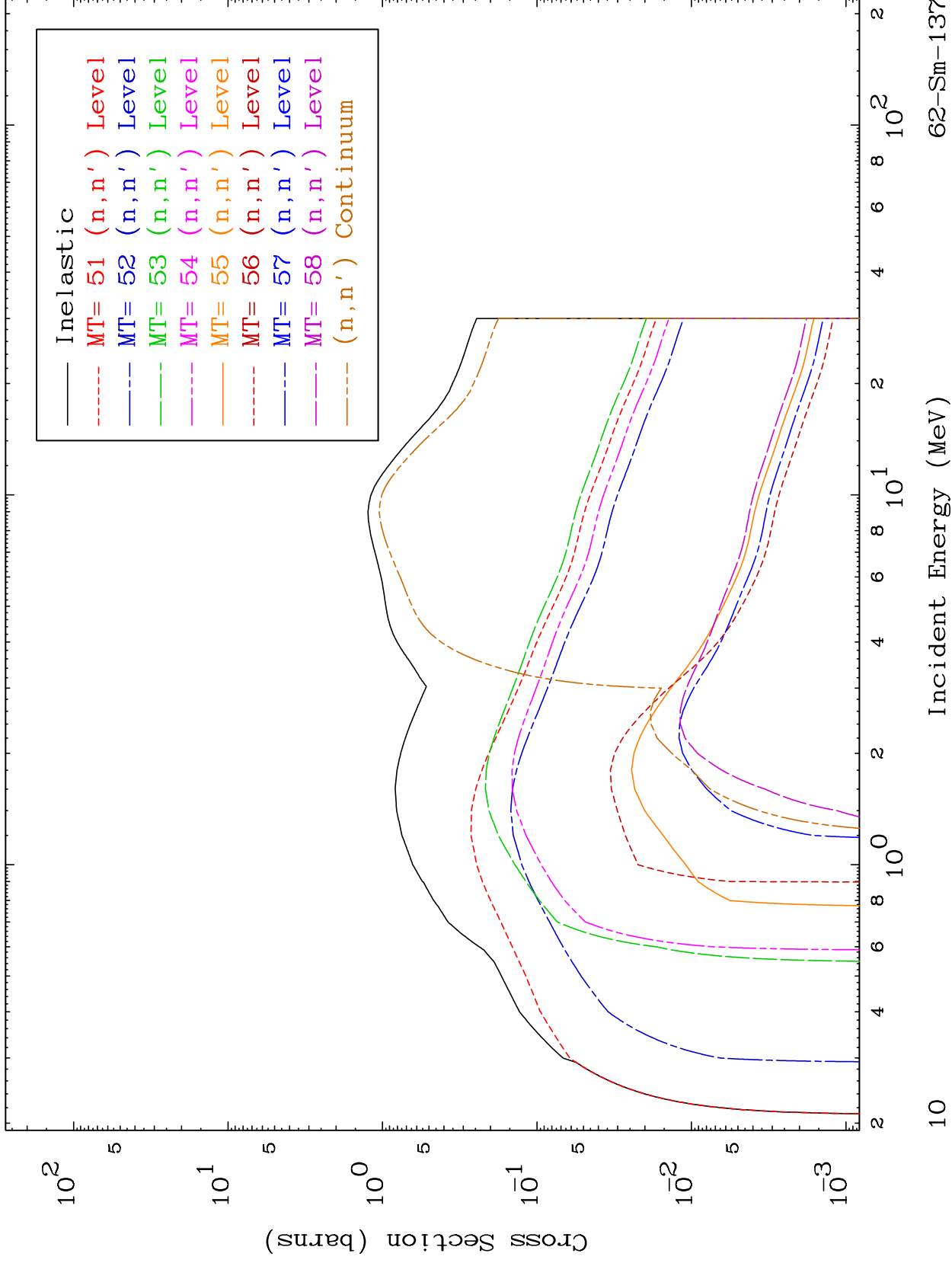




MAT 6204

(n,n') Levels
293 Kelvin Cross Sections

62-Sm-137



62-Sm-137

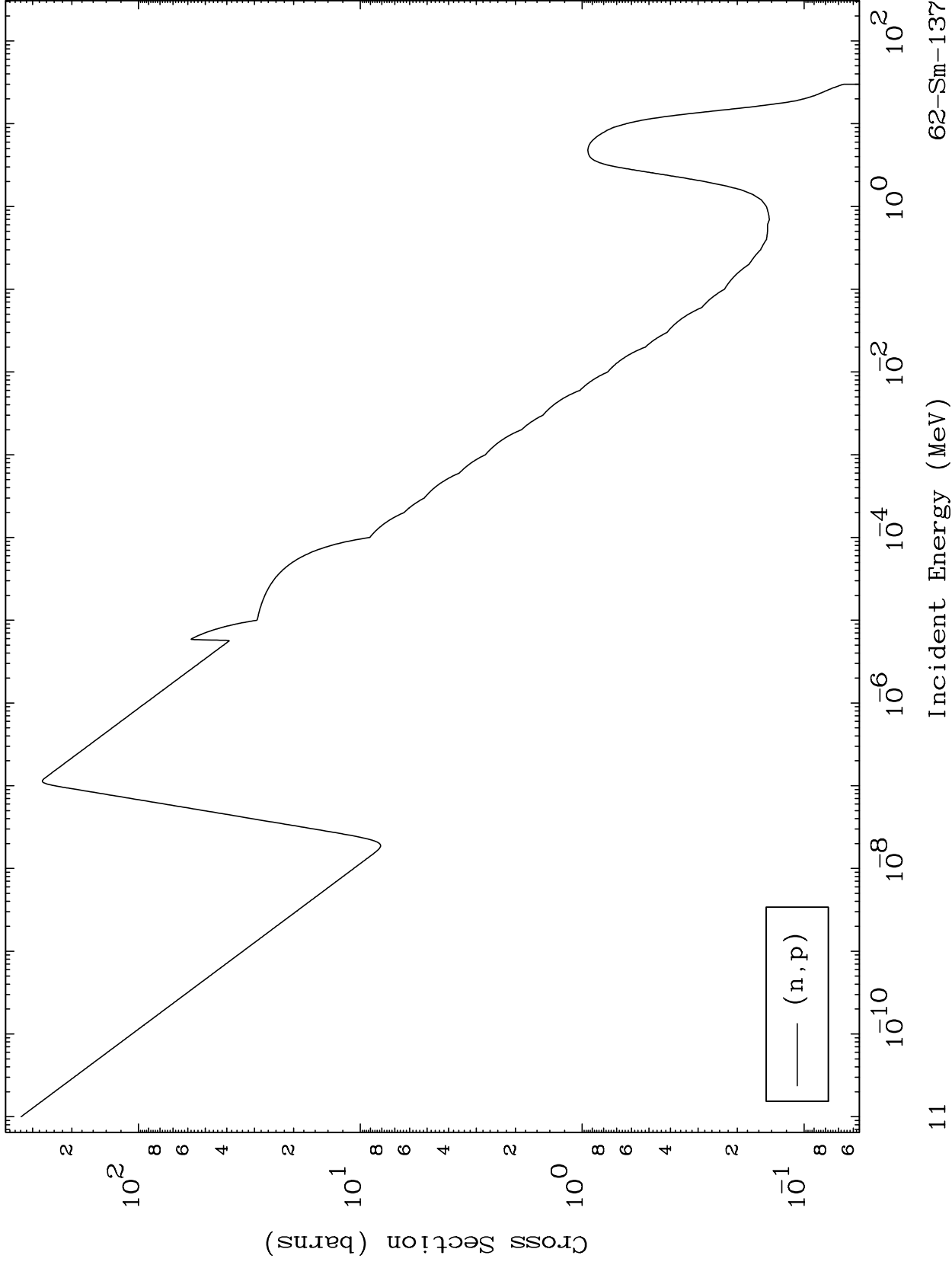
Incident Energy (MeV)

10

MAT 6204

(n,p) Levels
293 Kelvin Cross Sections

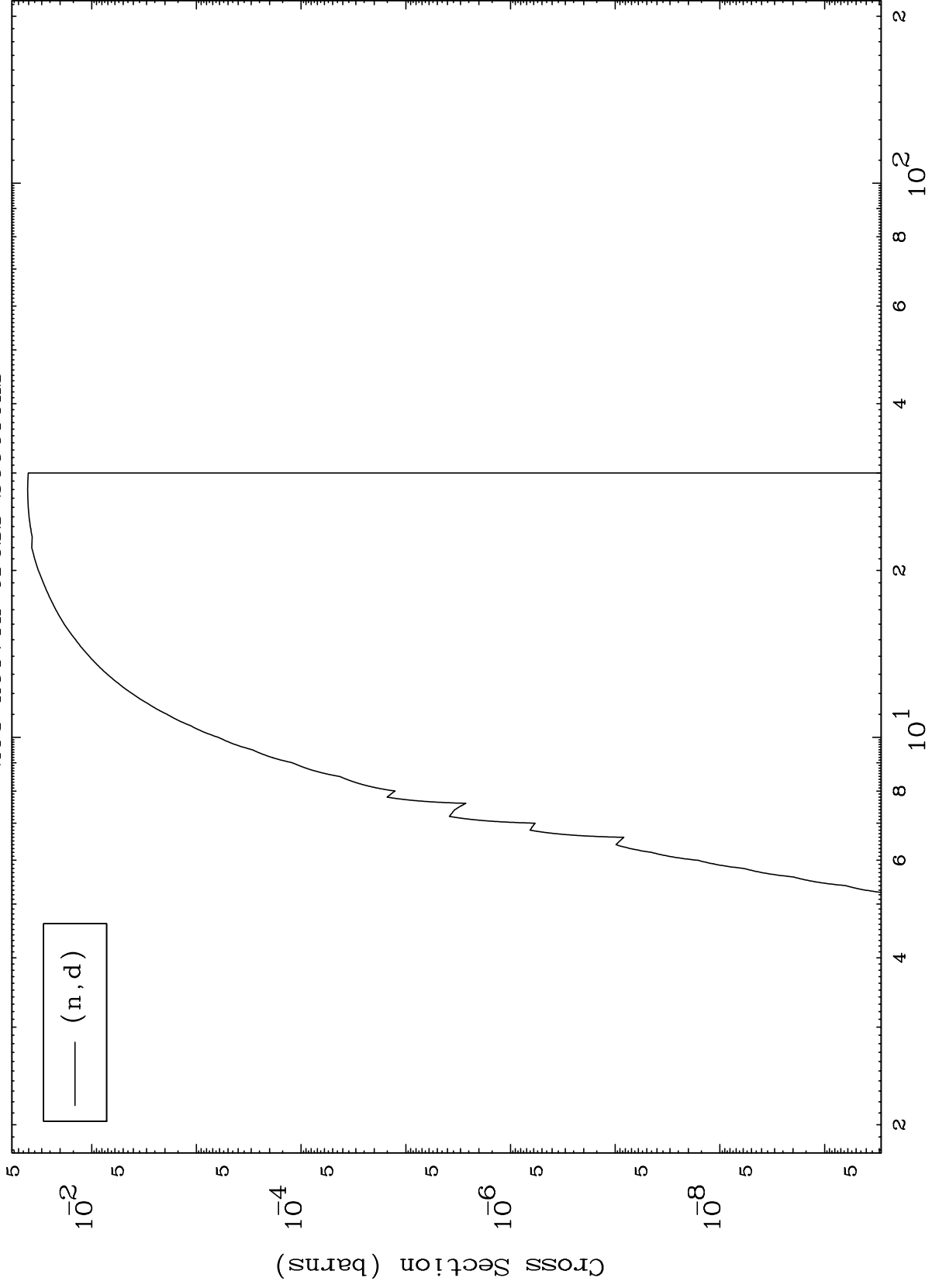
62-Sm-137



MAT 6204

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-137



12

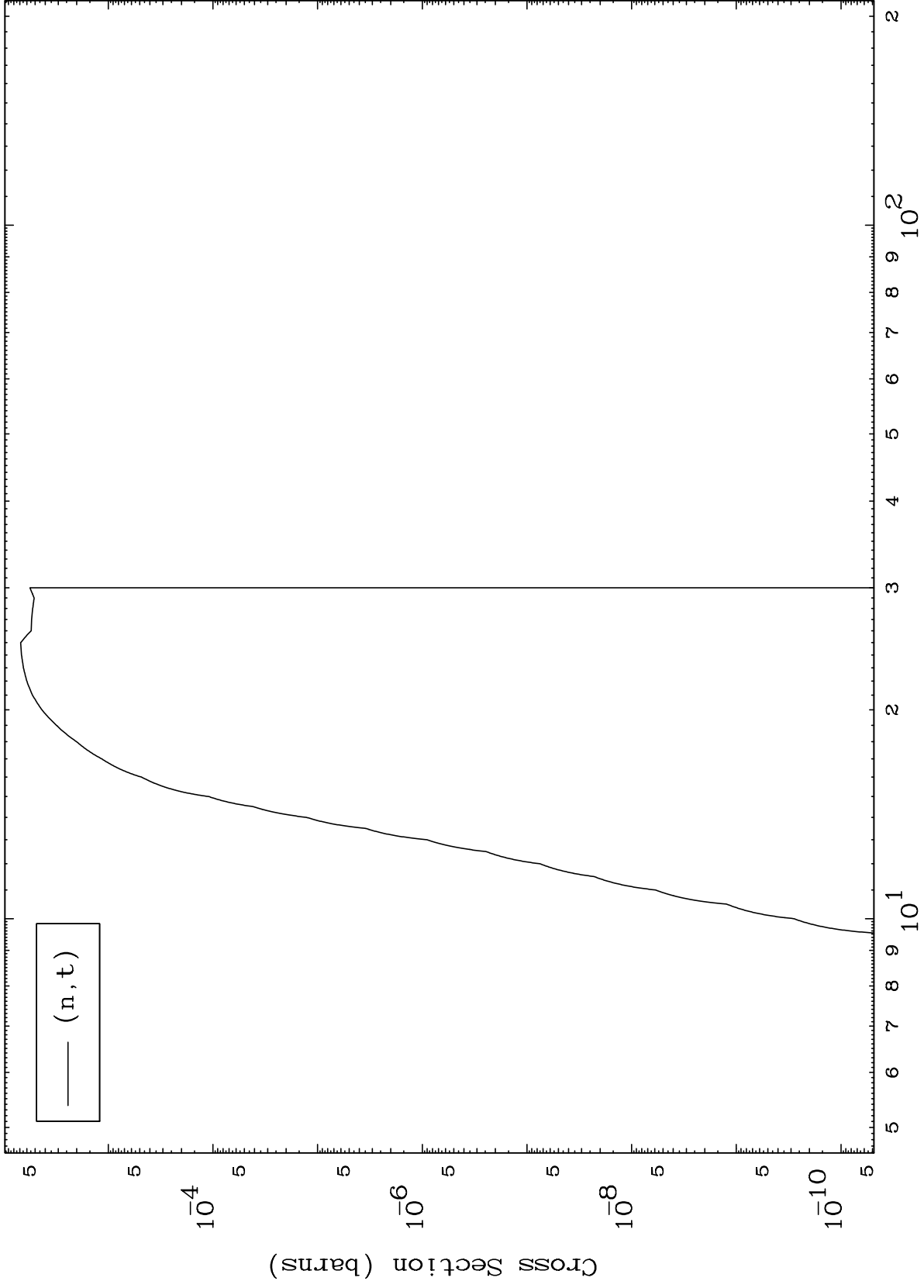
Incident Energy (MeV)

62-Sm-137

MAT 6204

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-137



13

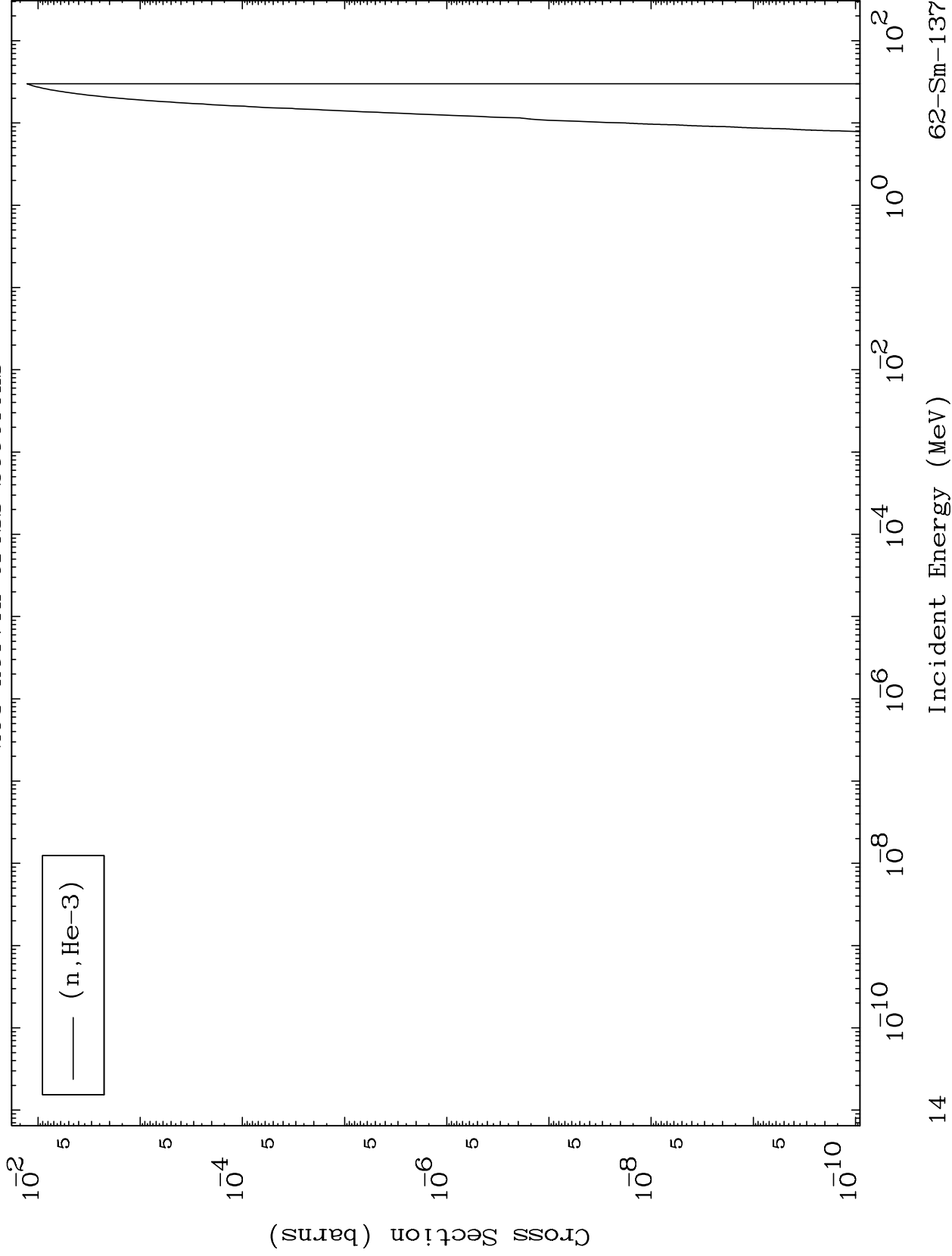
Incident Energy (MeV)

62-Sm-137

MAT 6204

(n,He3) Levels
293 Kelvin Cross Sections

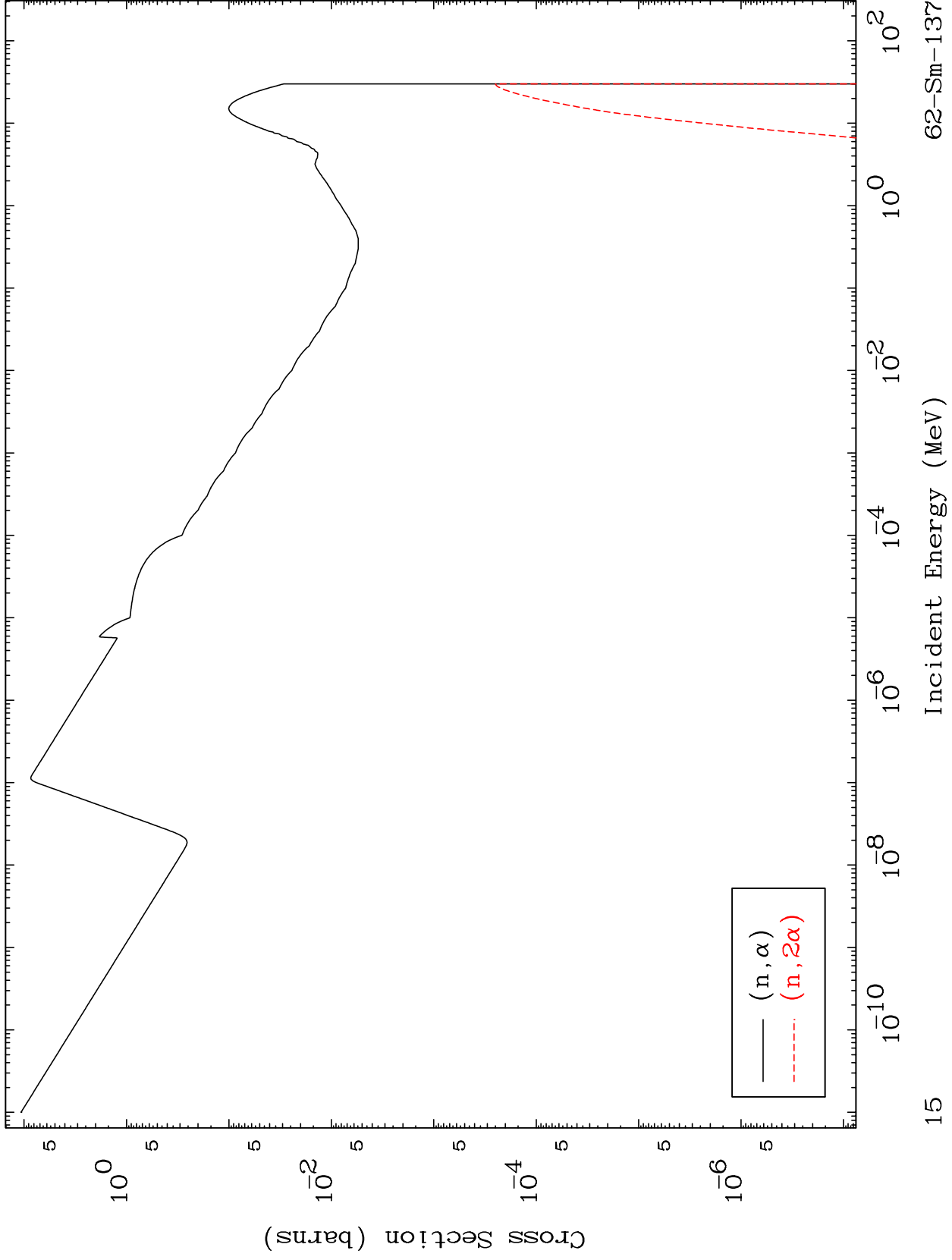
62-Sm-137



MAT 6204

(n,α) Levels
293 Kelvin Cross Sections

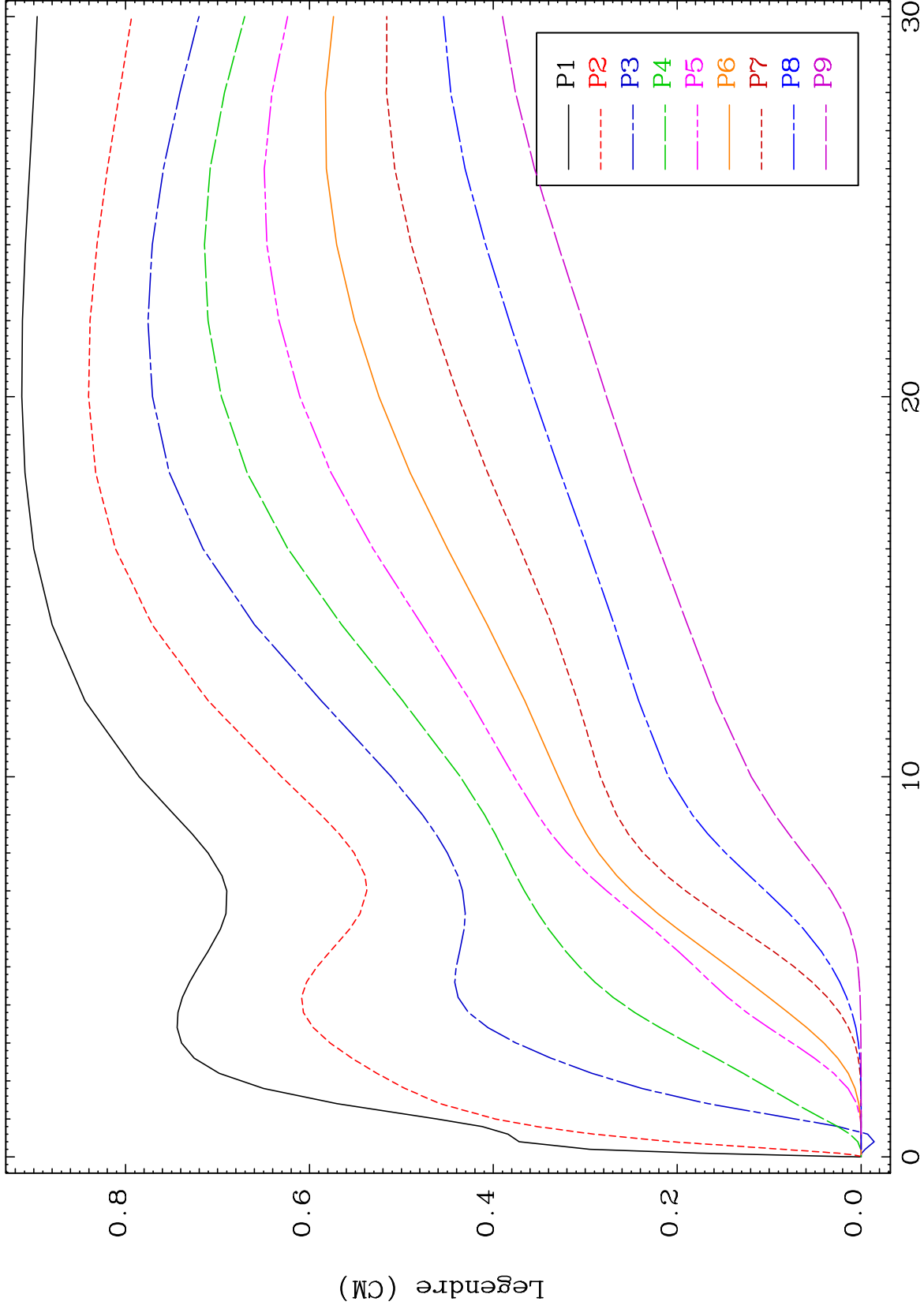
62-Sm-137



MAT 6204

Elastic Legendre Coefficients

62-Sm-137



16

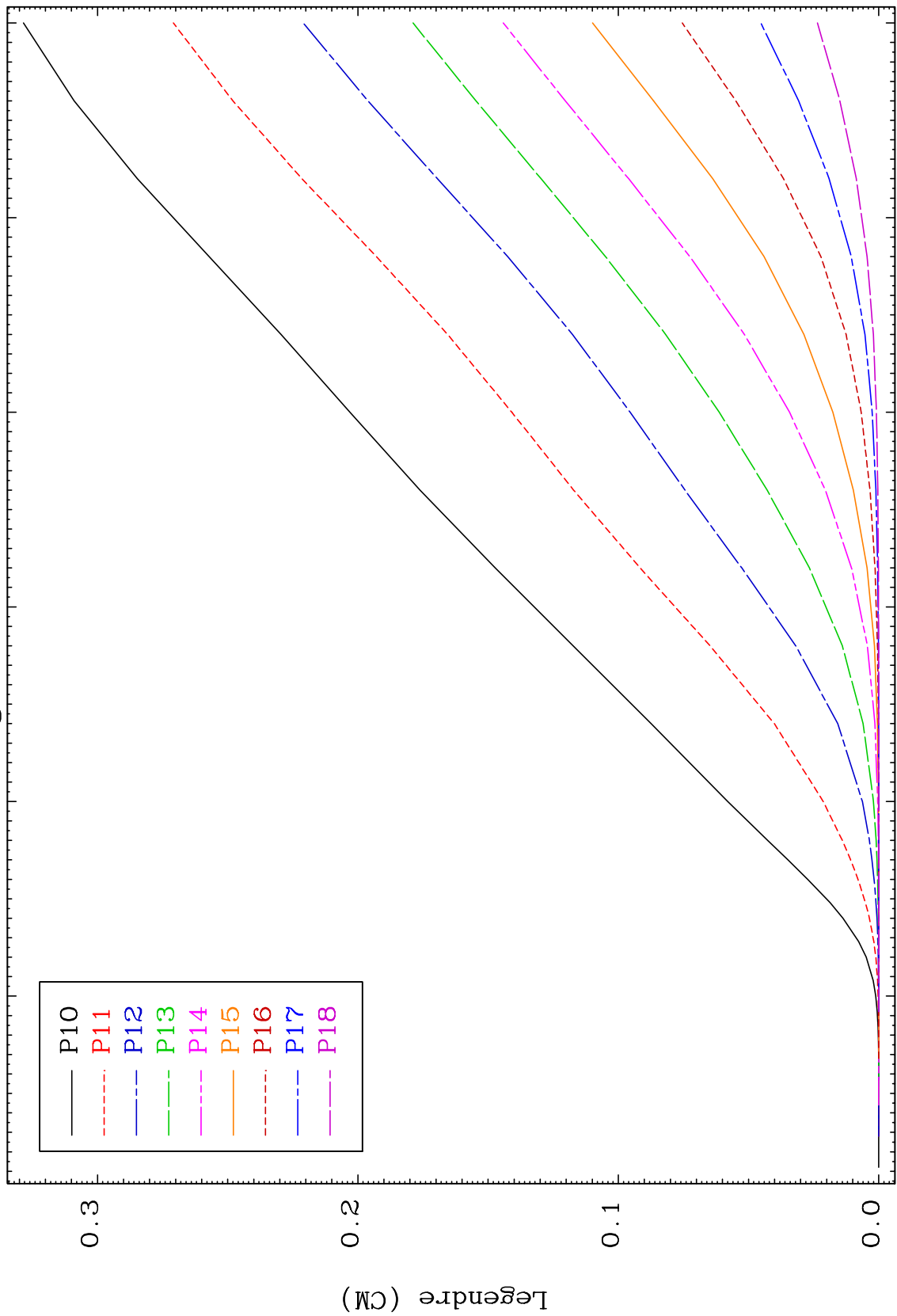
Incident Energy (MeV)

62-Sm-137

MAT 6204

Elastic Legendre Coefficients

62-Sm-137



17

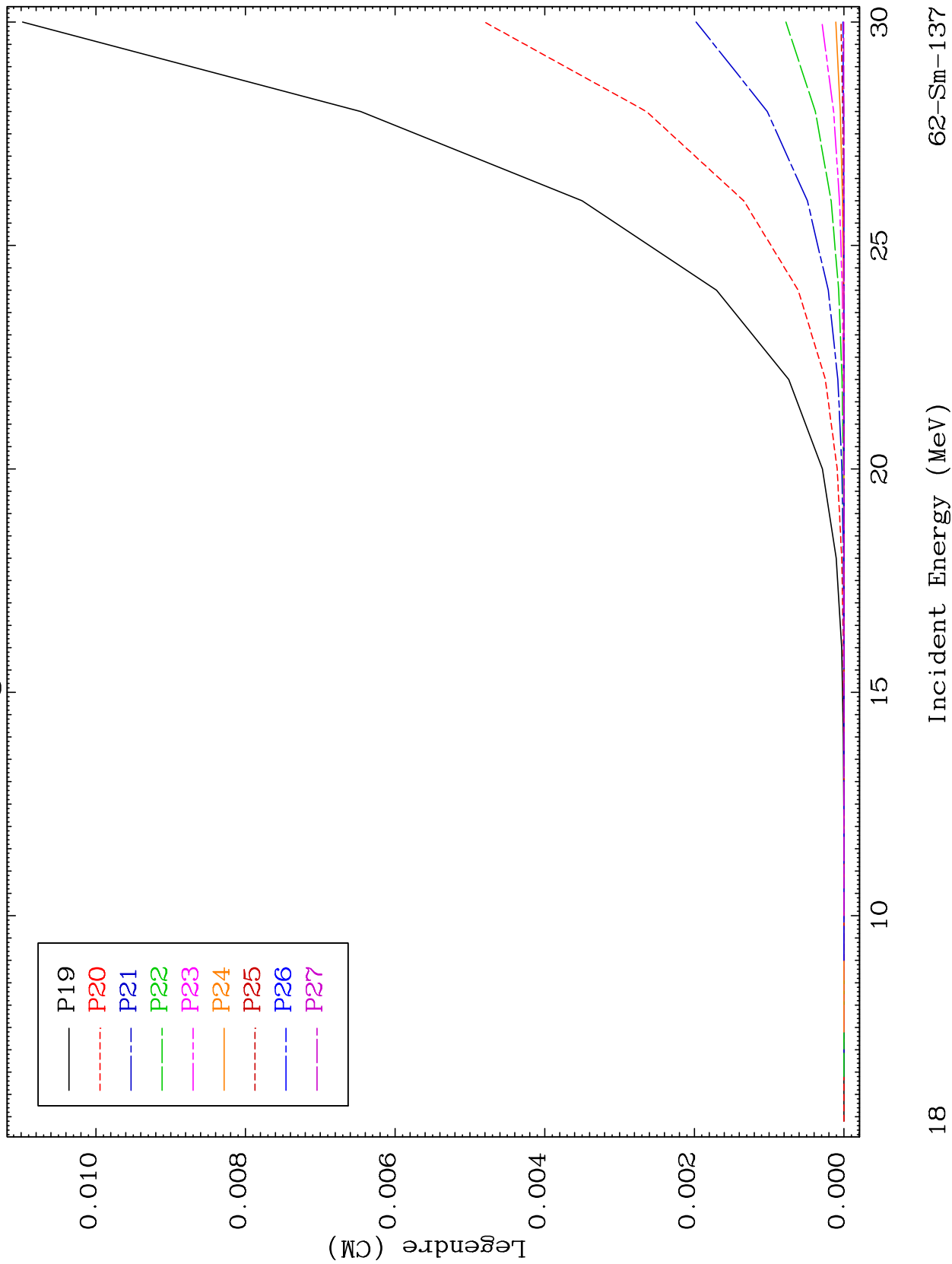
Incident Energy (MeV)

62-Sm-137

MAT 6204

Elastic Legendre Coefficients

⁶²Sm-137



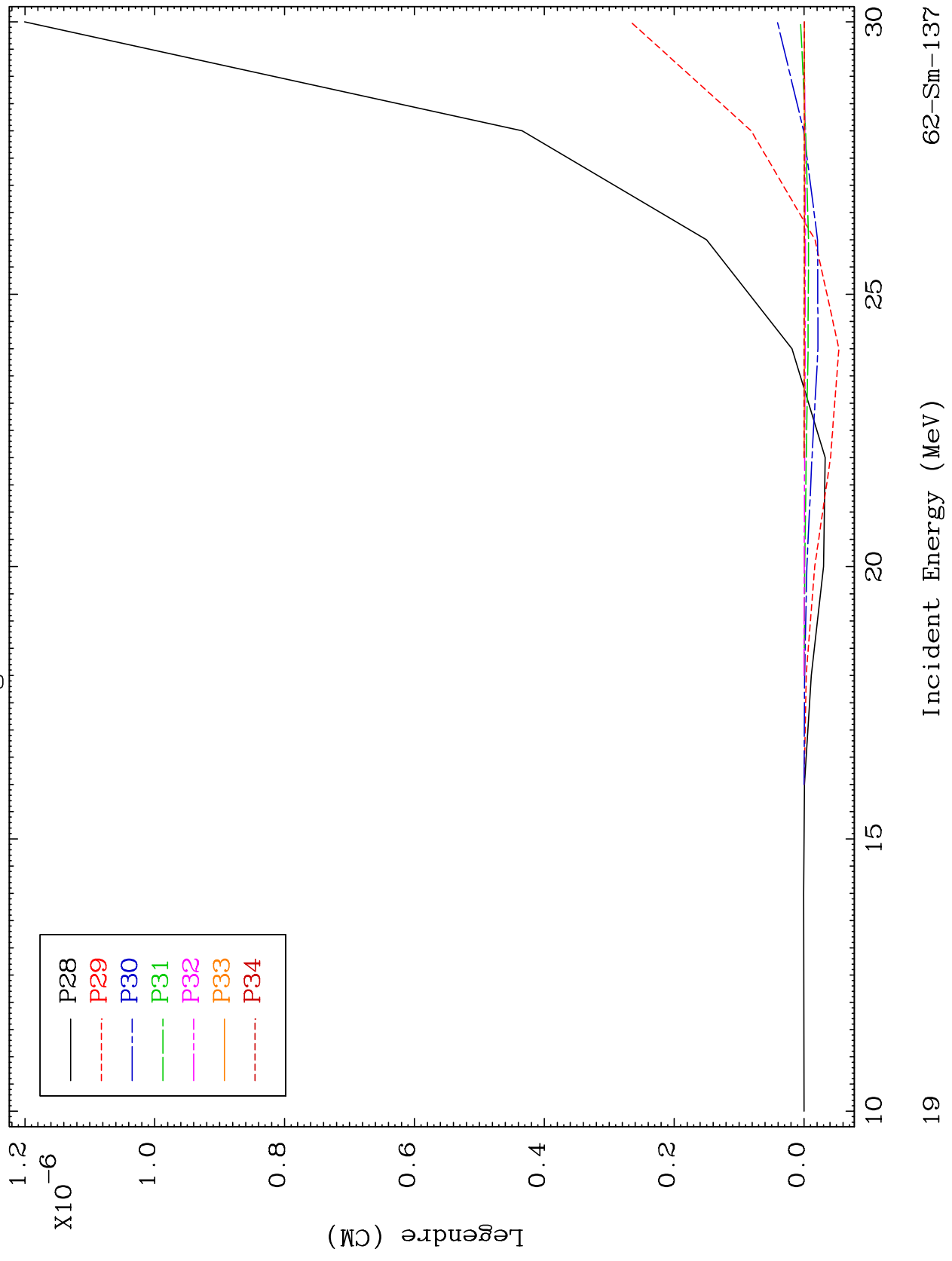
18

⁶²Sm-137

MAT 6204

Elastic Legendre Coefficients

⁶²Sm-137

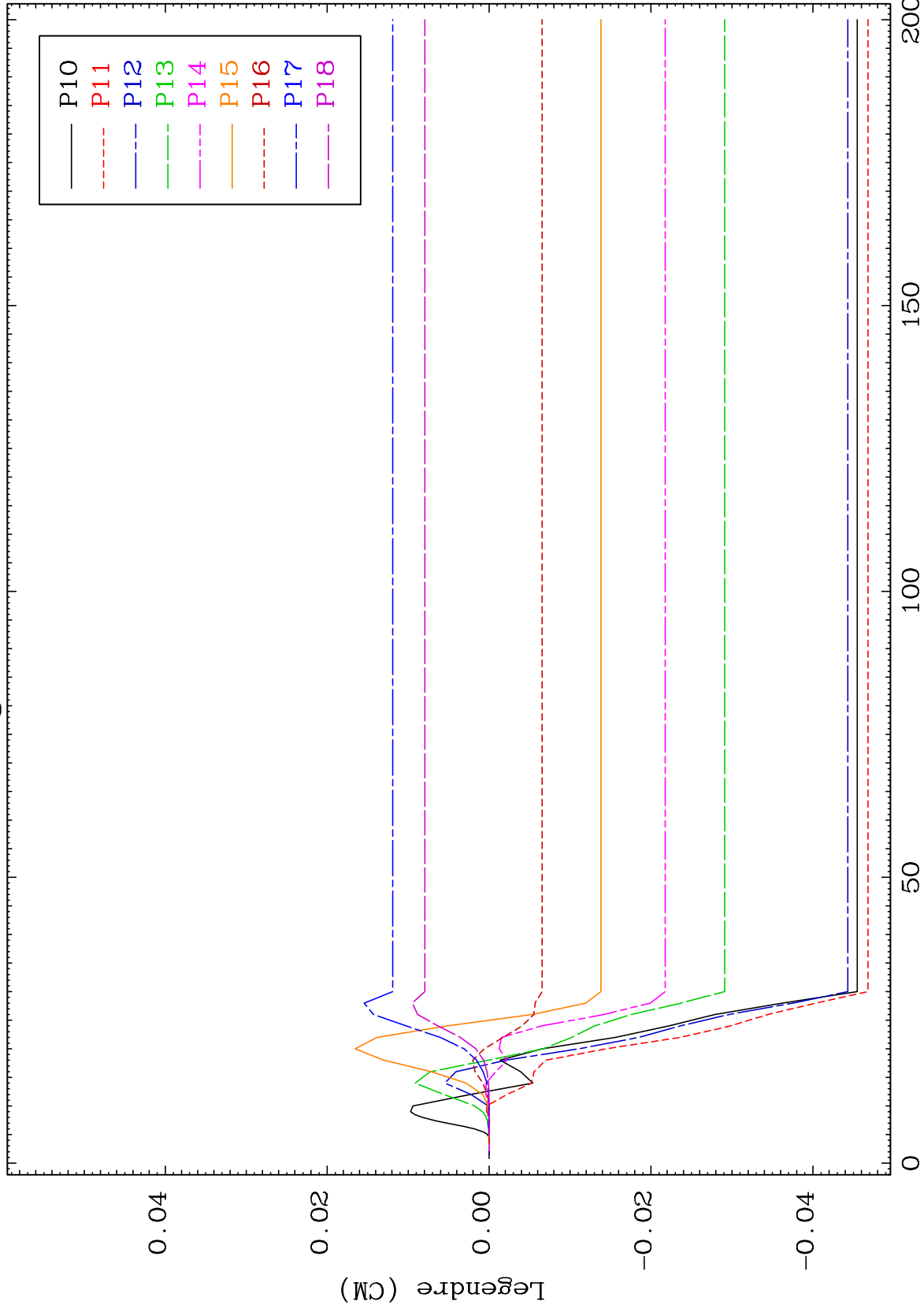


⁶²Sm-137

MAT 6204

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

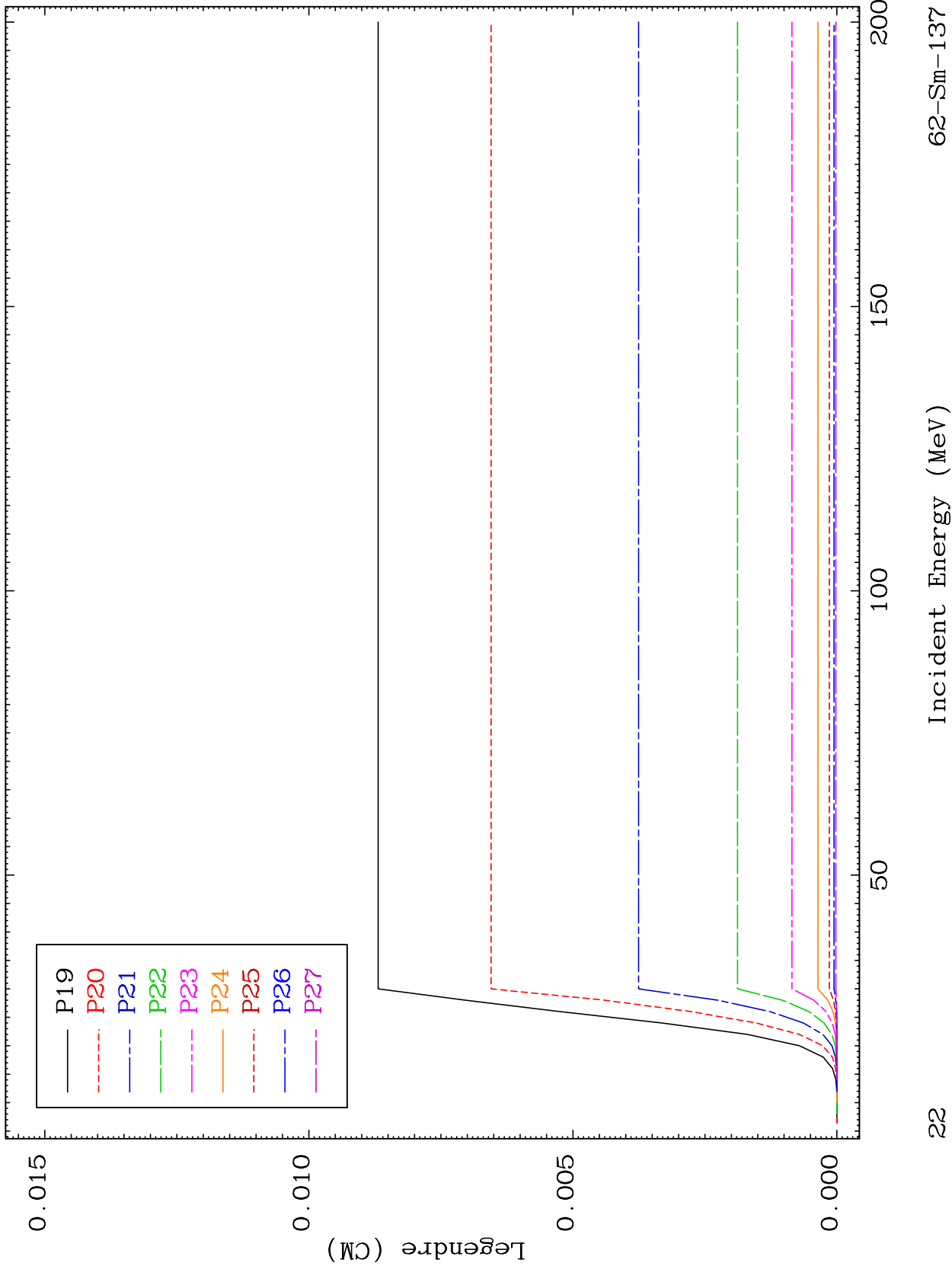
62-Sm-137



21

Incident Energy (MeV)

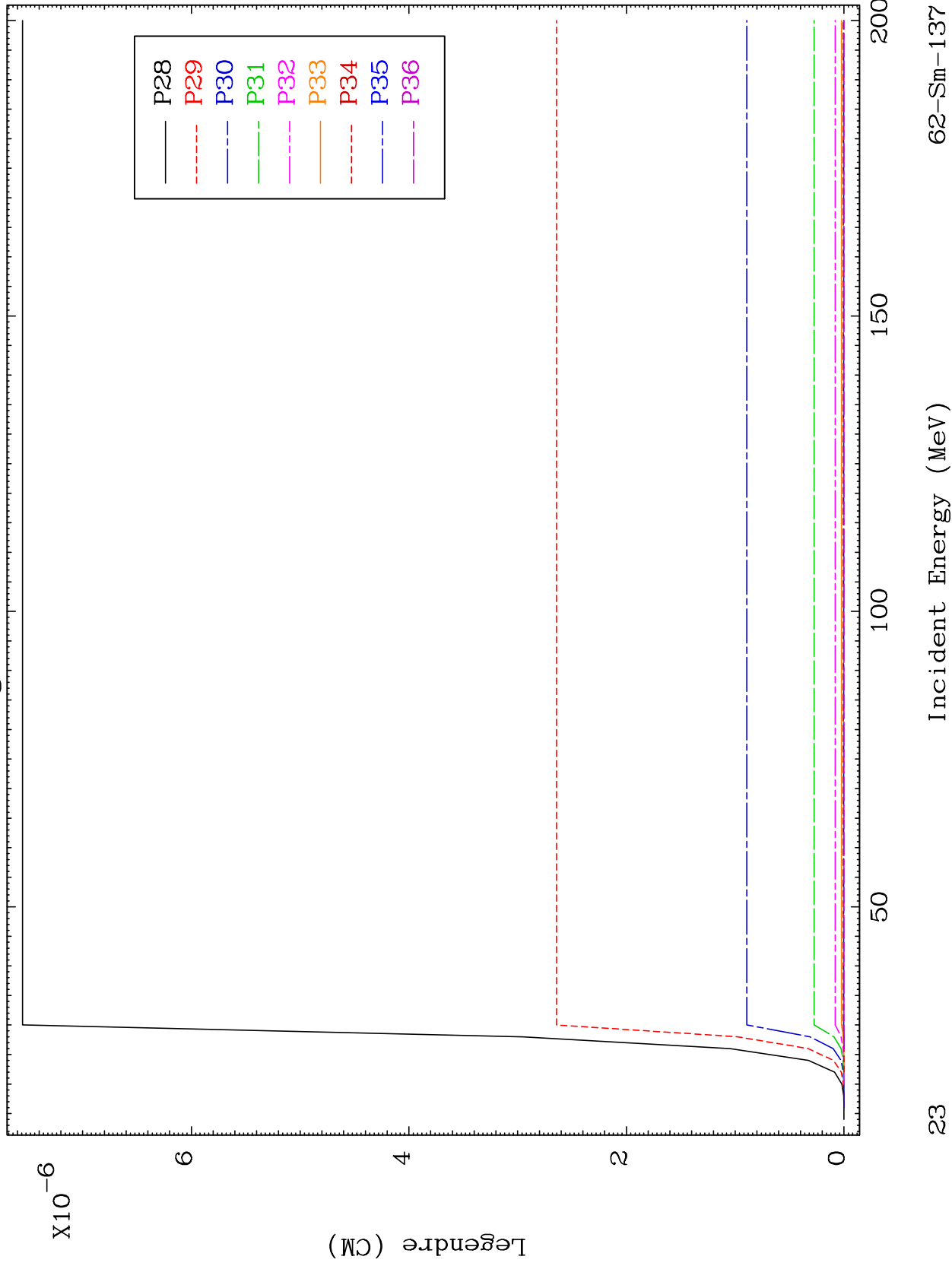
62-Sm-137



MAT 6204

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

62-Sm-137



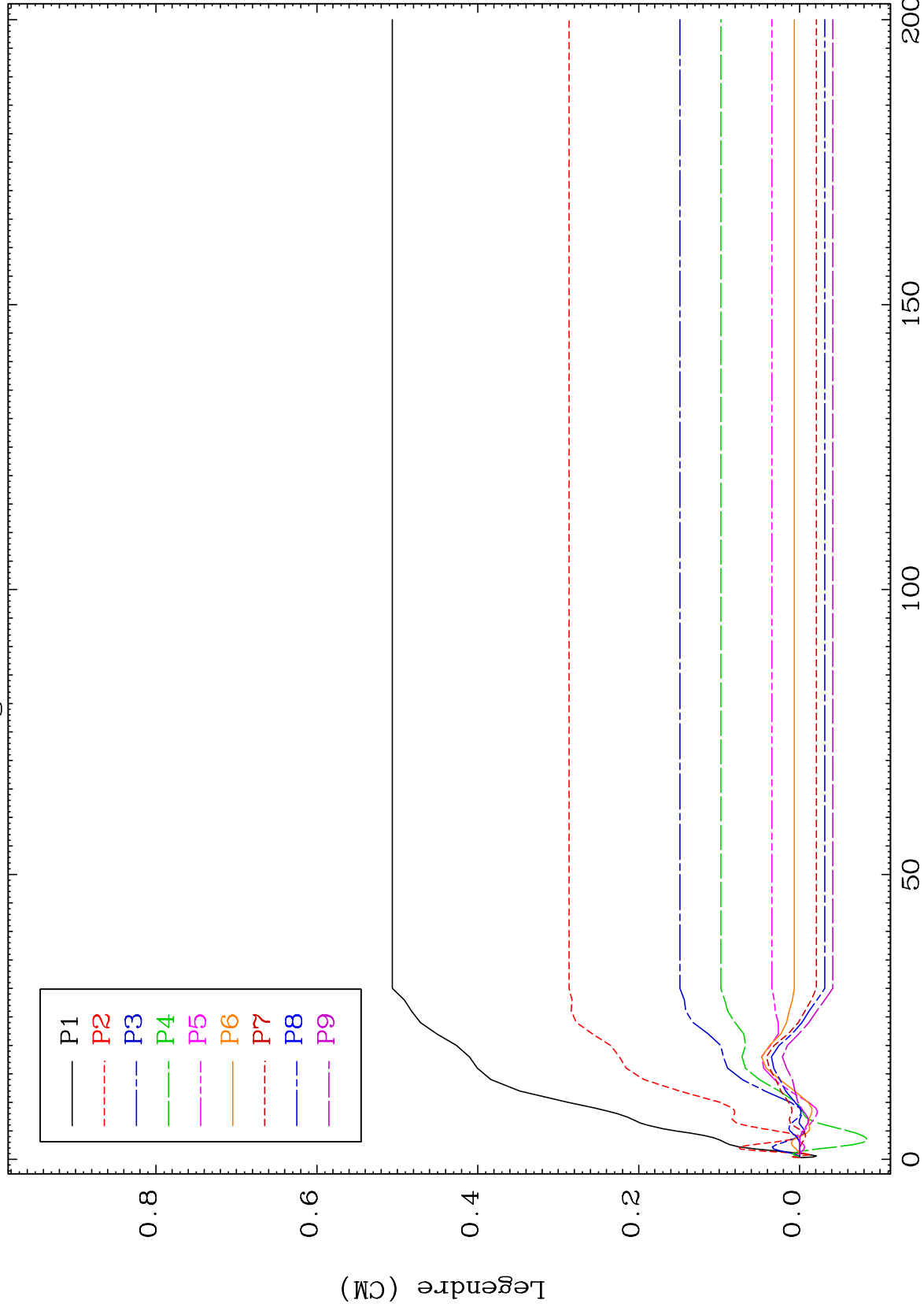
23

62-Sm-137

MAT 6204

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

62-Sm-137



62-Sm-137

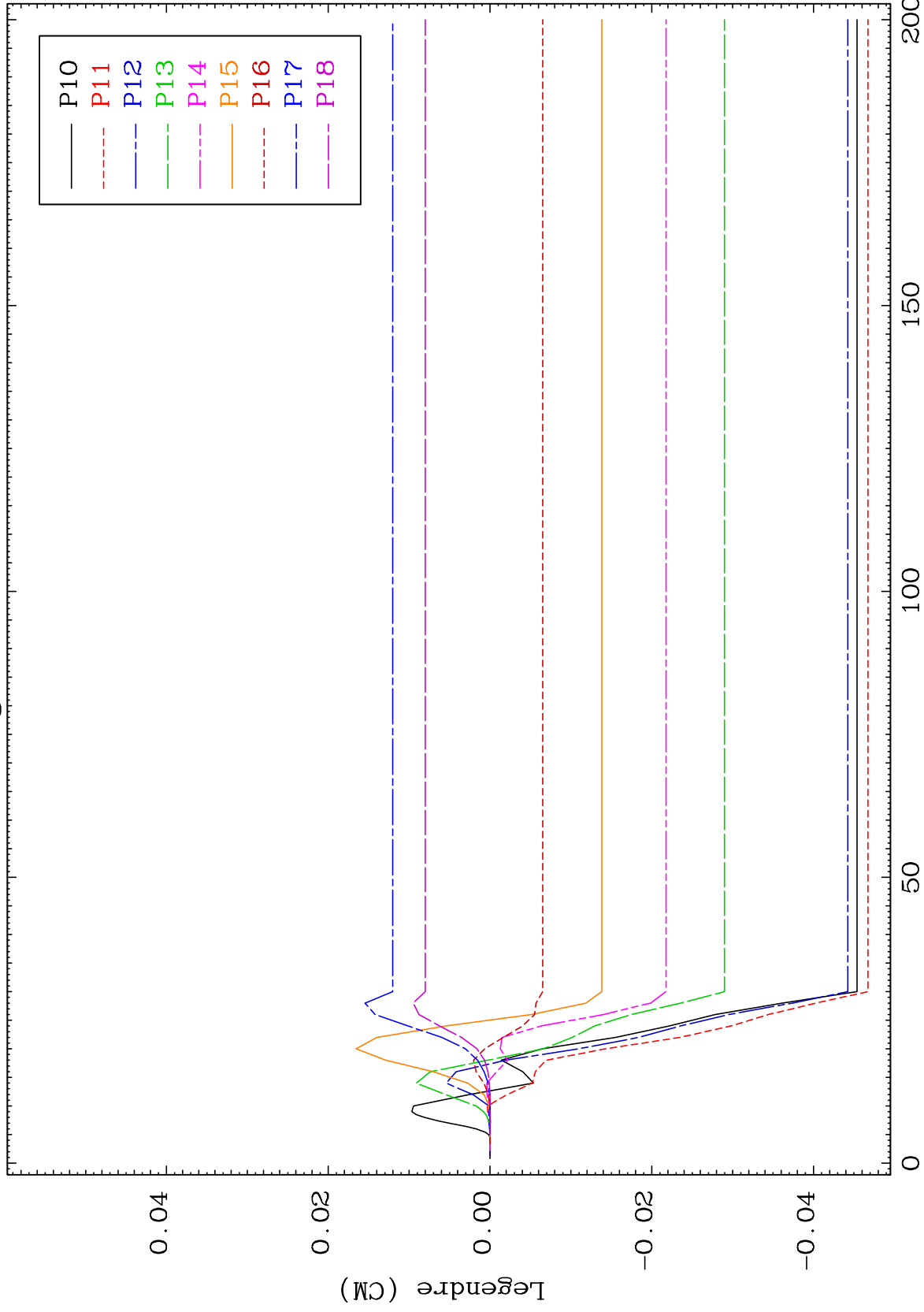
Incident Energy (MeV)

24

MAT 6204

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

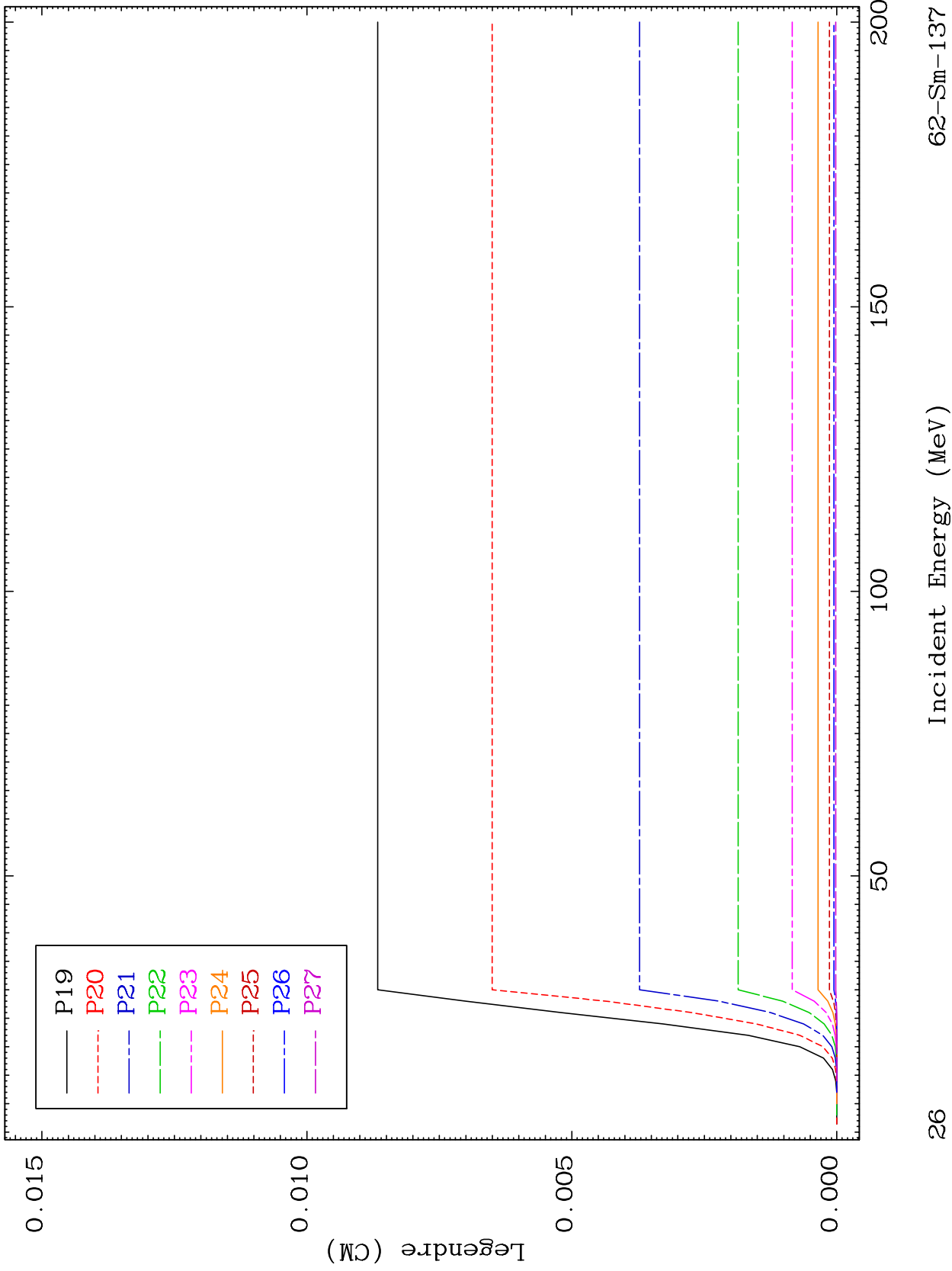
62-Sm-137



25

Incident Energy (MeV)

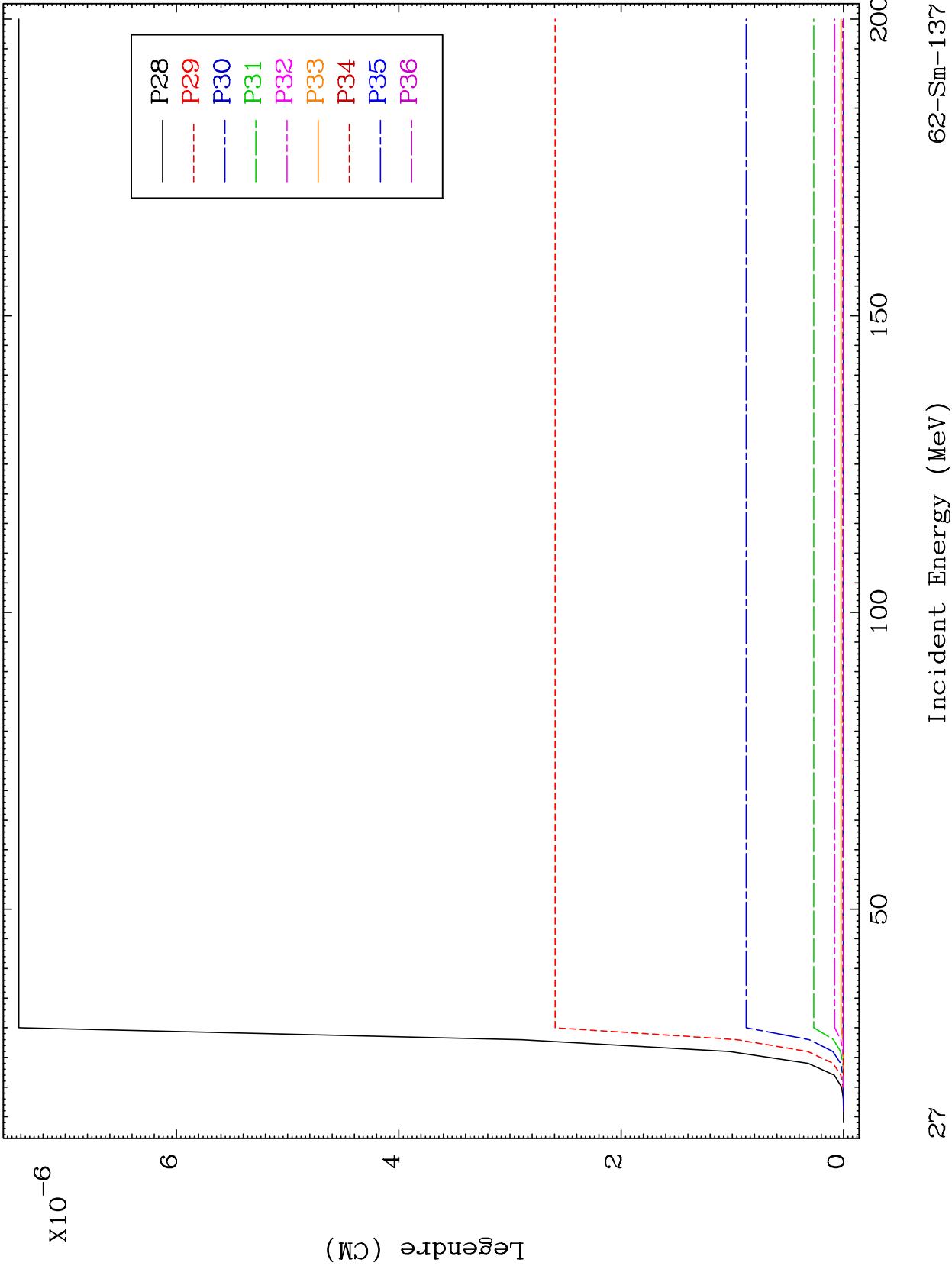
62-Sm-137



MAT 6204

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

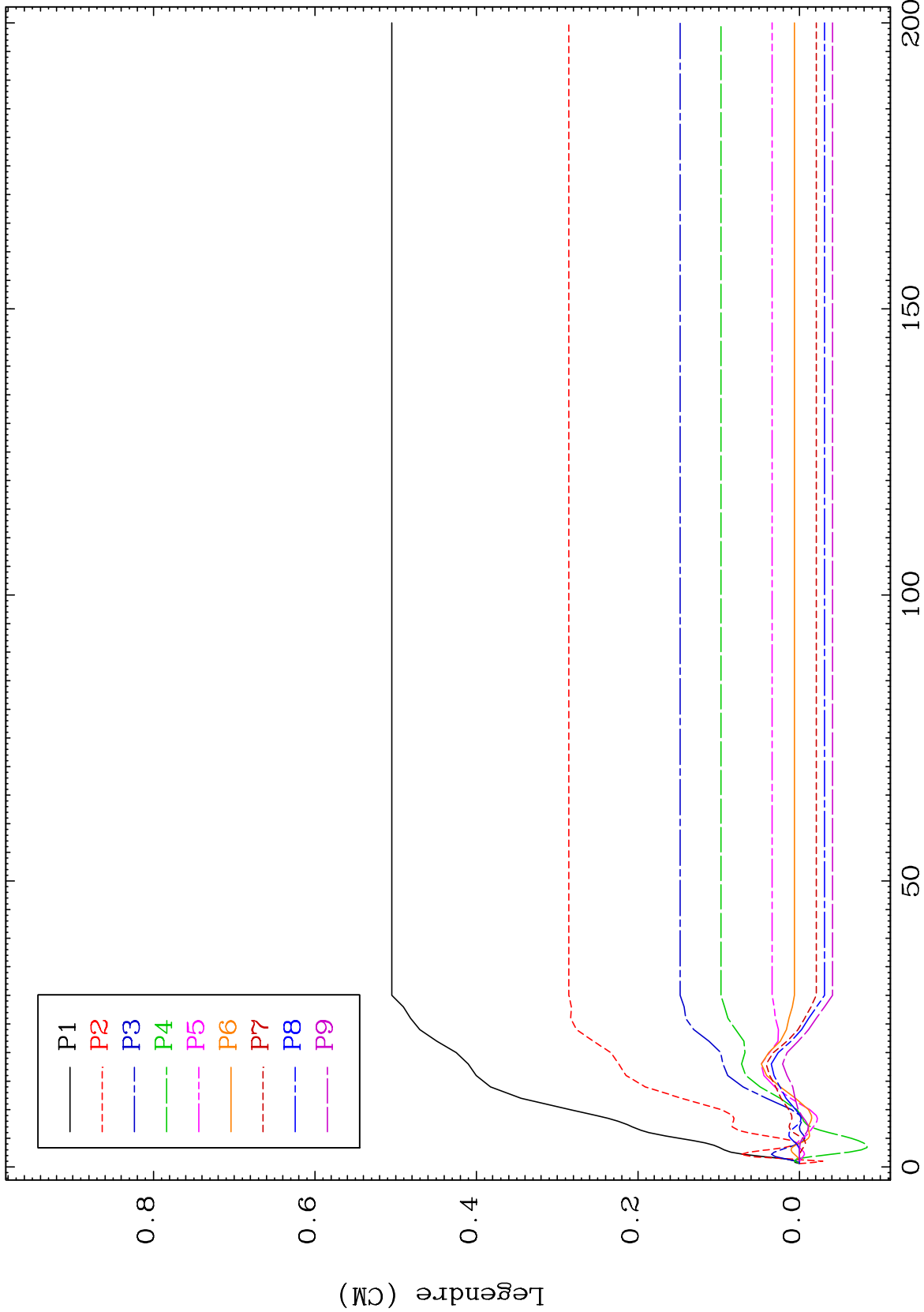
62-Sm-137



MAT 6204

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

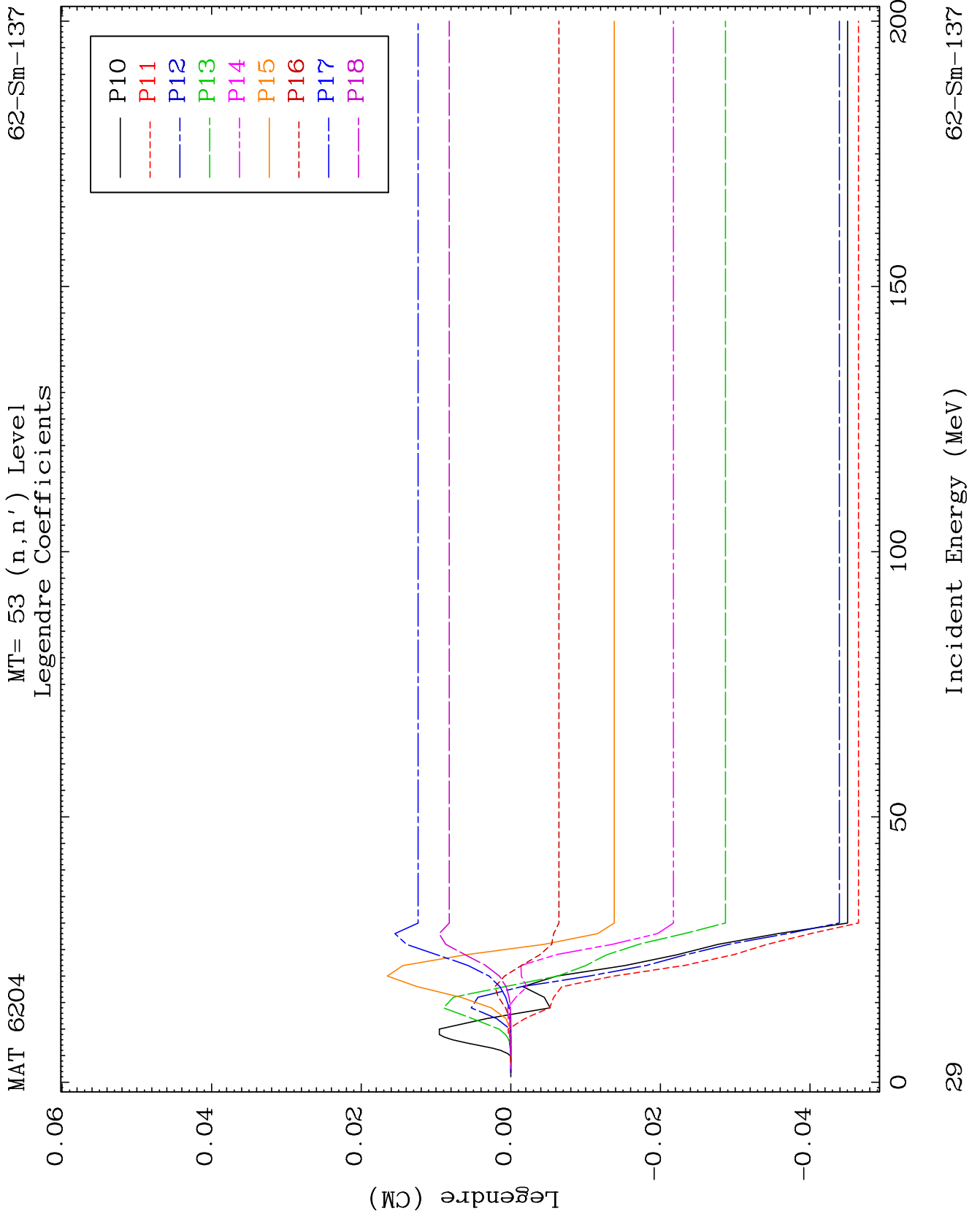
62-Sm-137



28

Incident Energy (MeV)

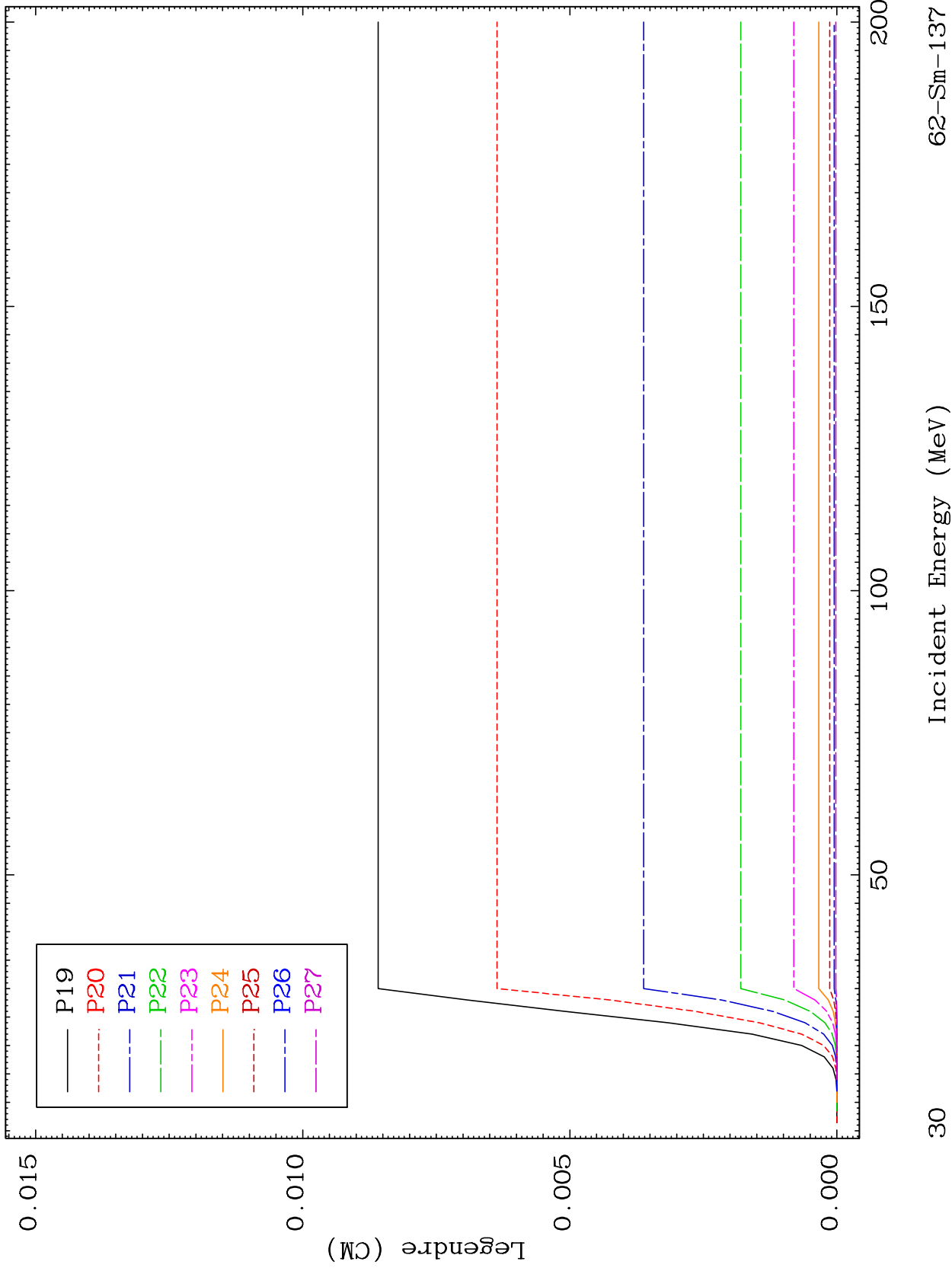
62-Sm-137



MAT 6204

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

62-Sm-137



30

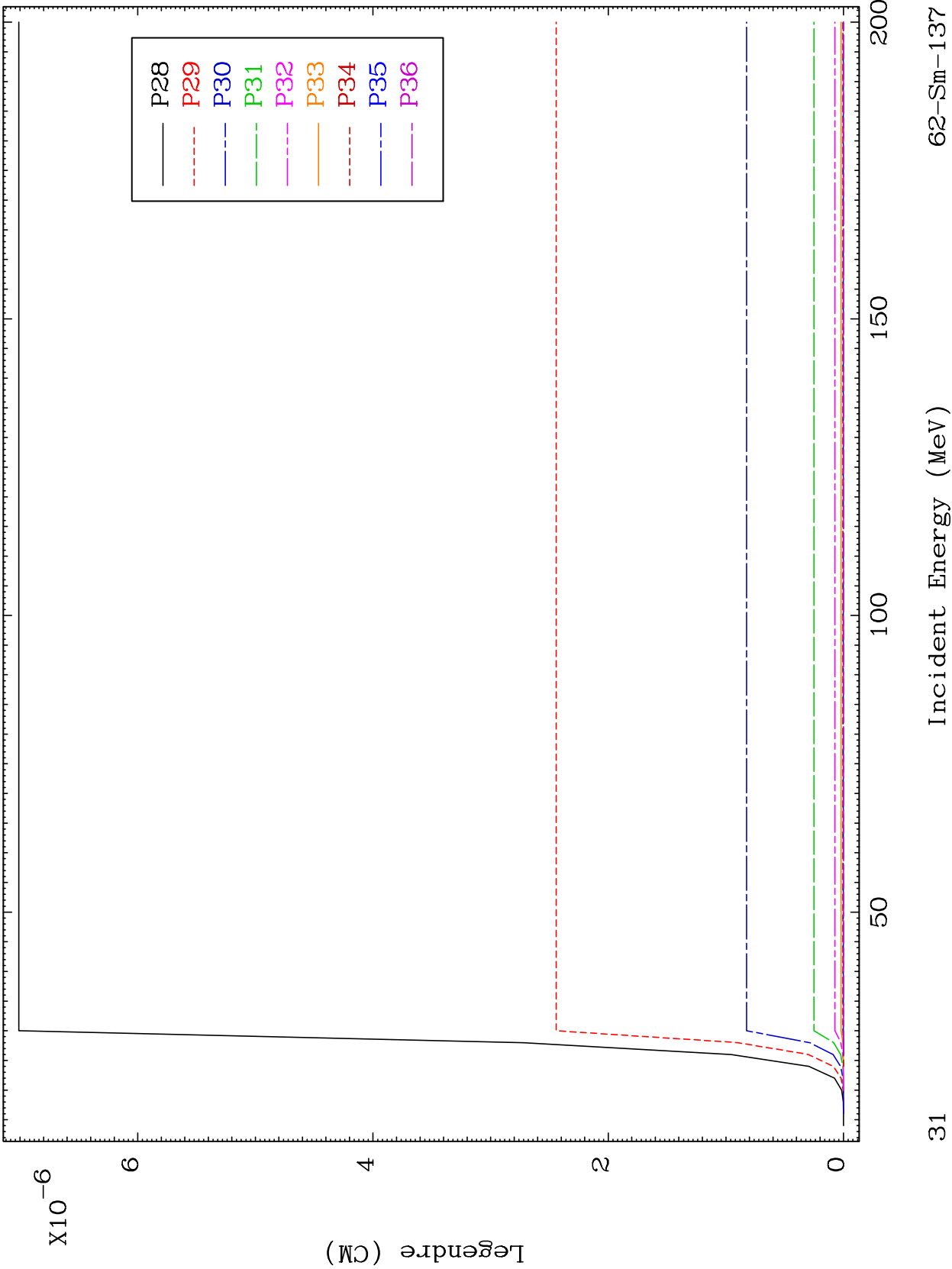
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137

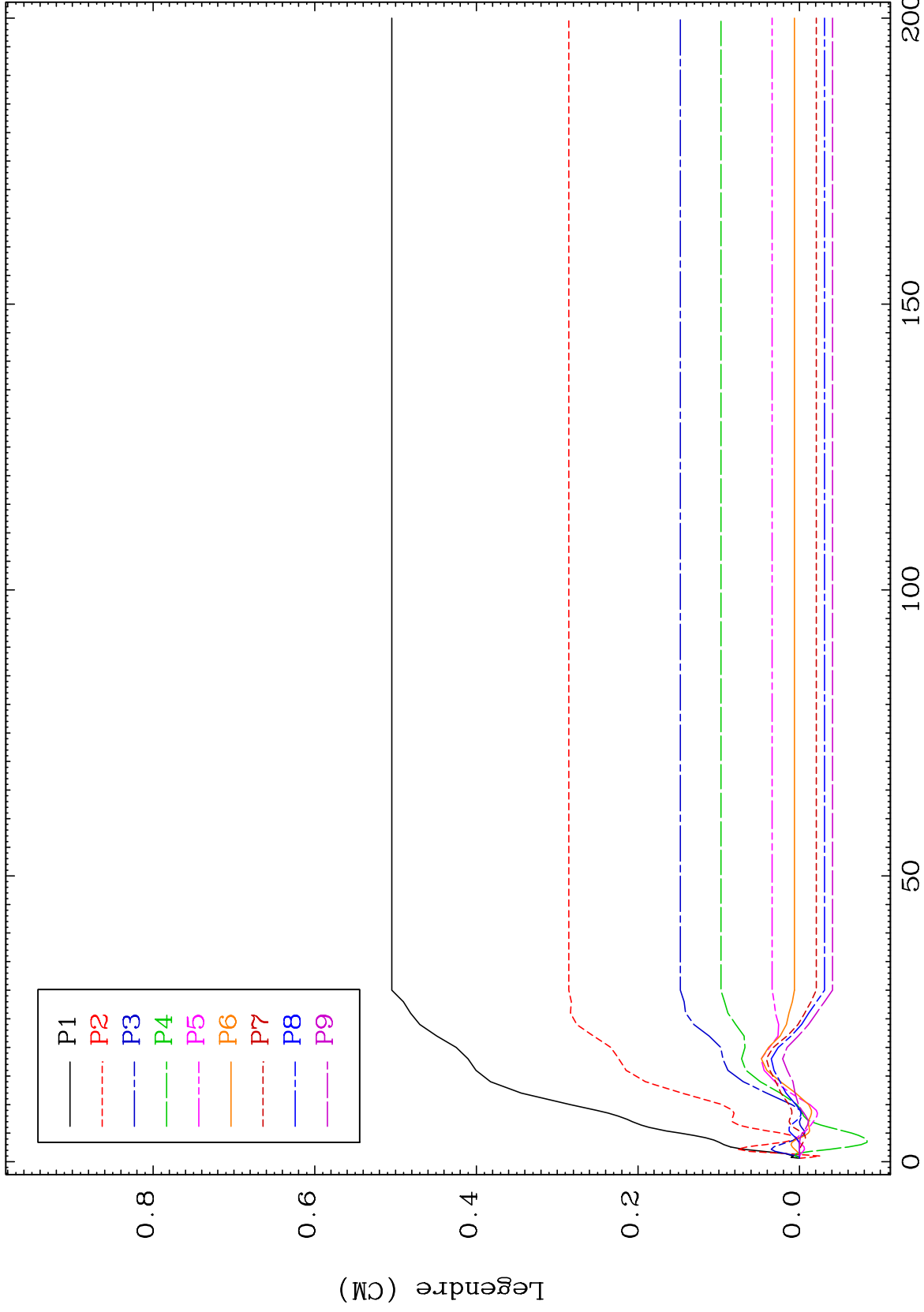


31

MAT 6204

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

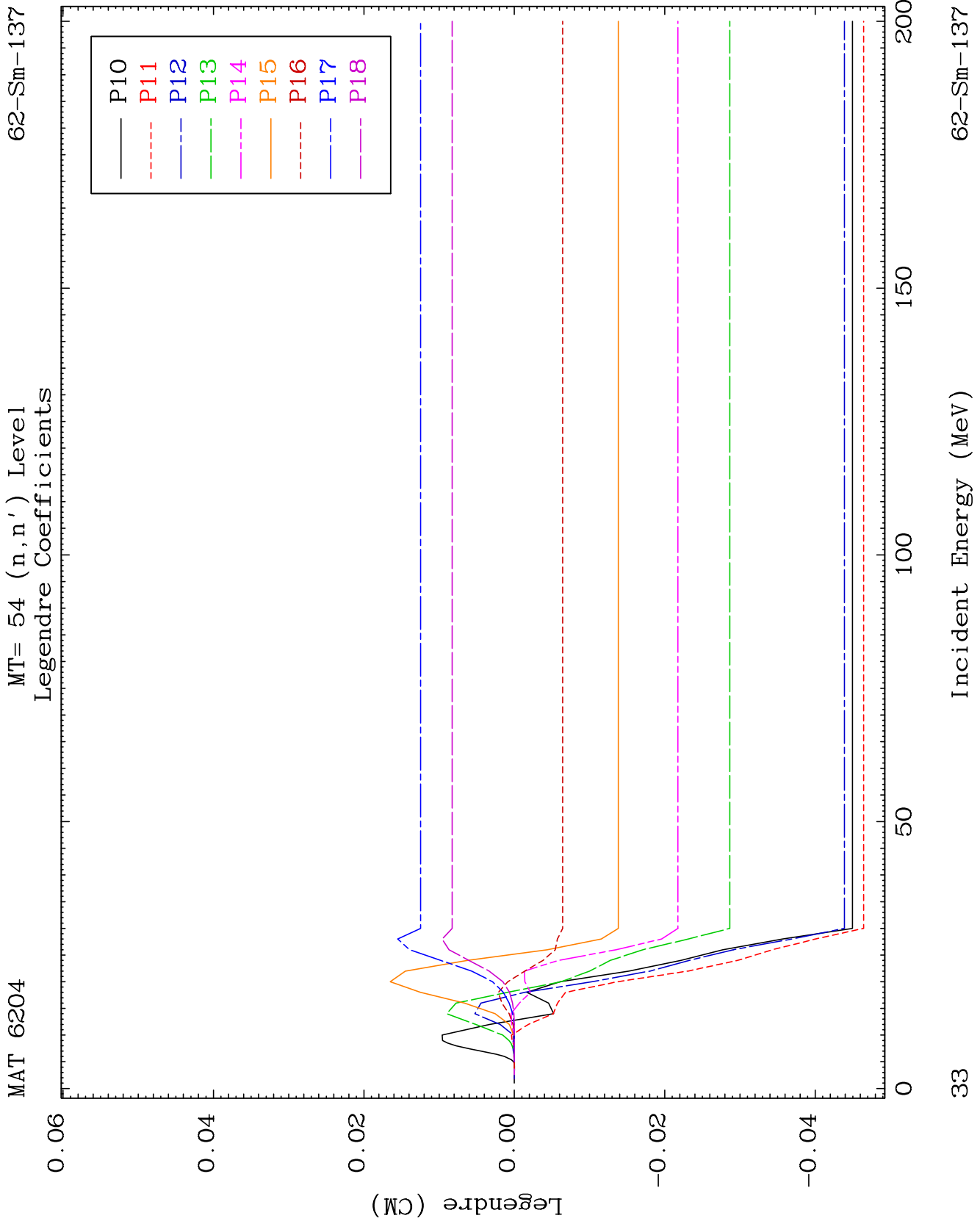
62-Sm-137



32

Incident Energy (MeV)

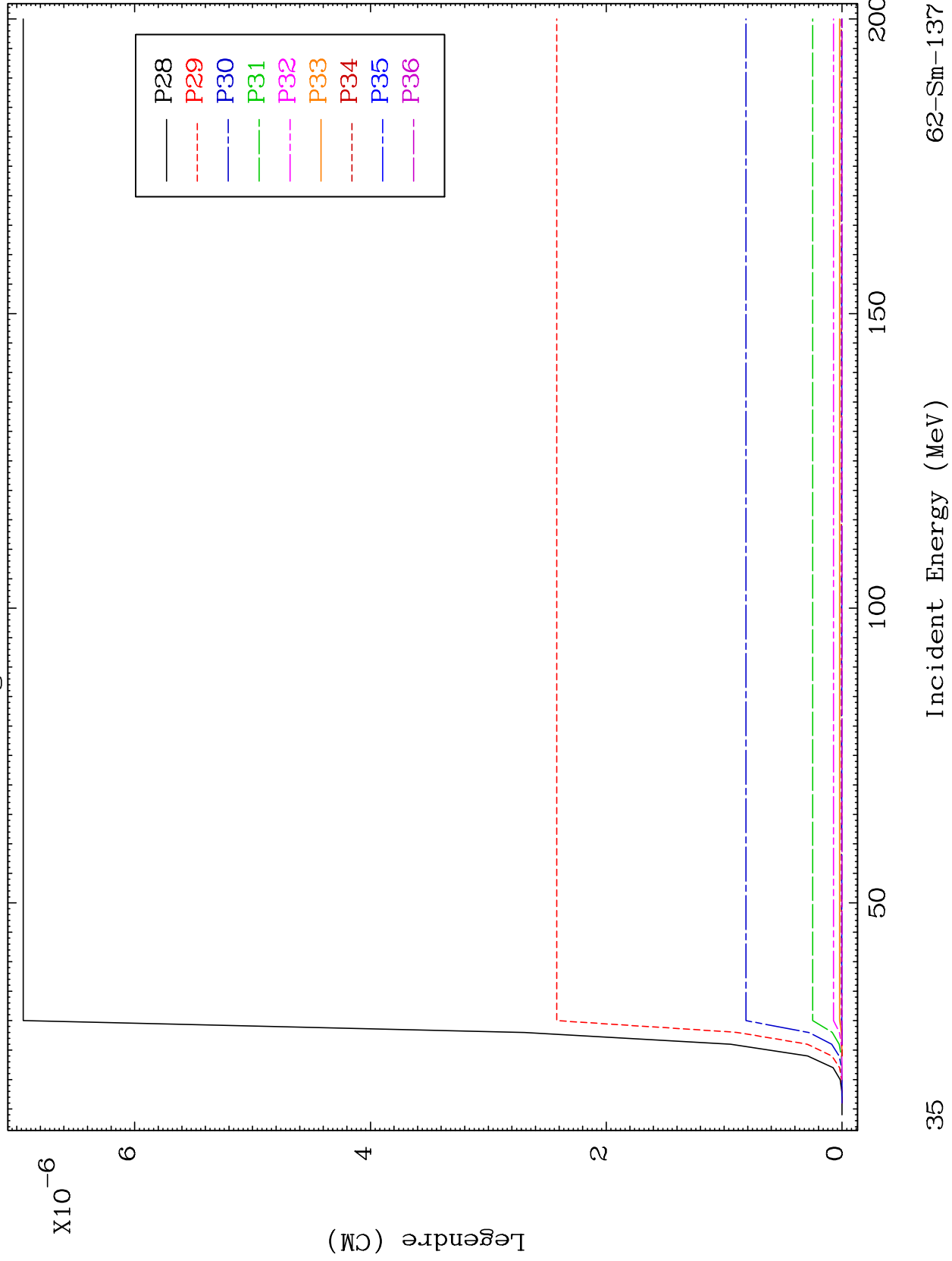
62-Sm-137



MAT 6204

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

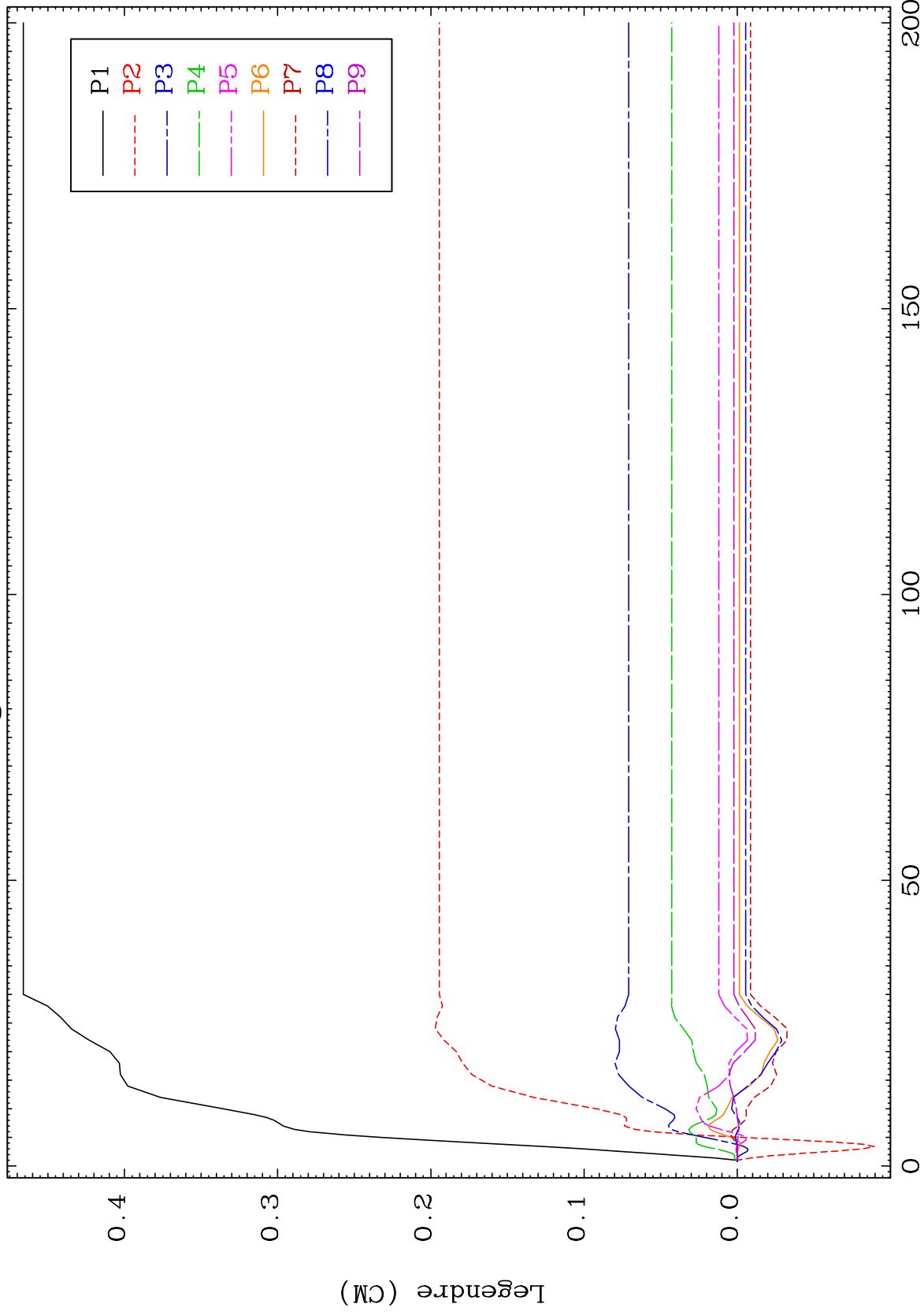
62-Sm-137



MAT 6204

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

62-Sm-137



62-Sm-137

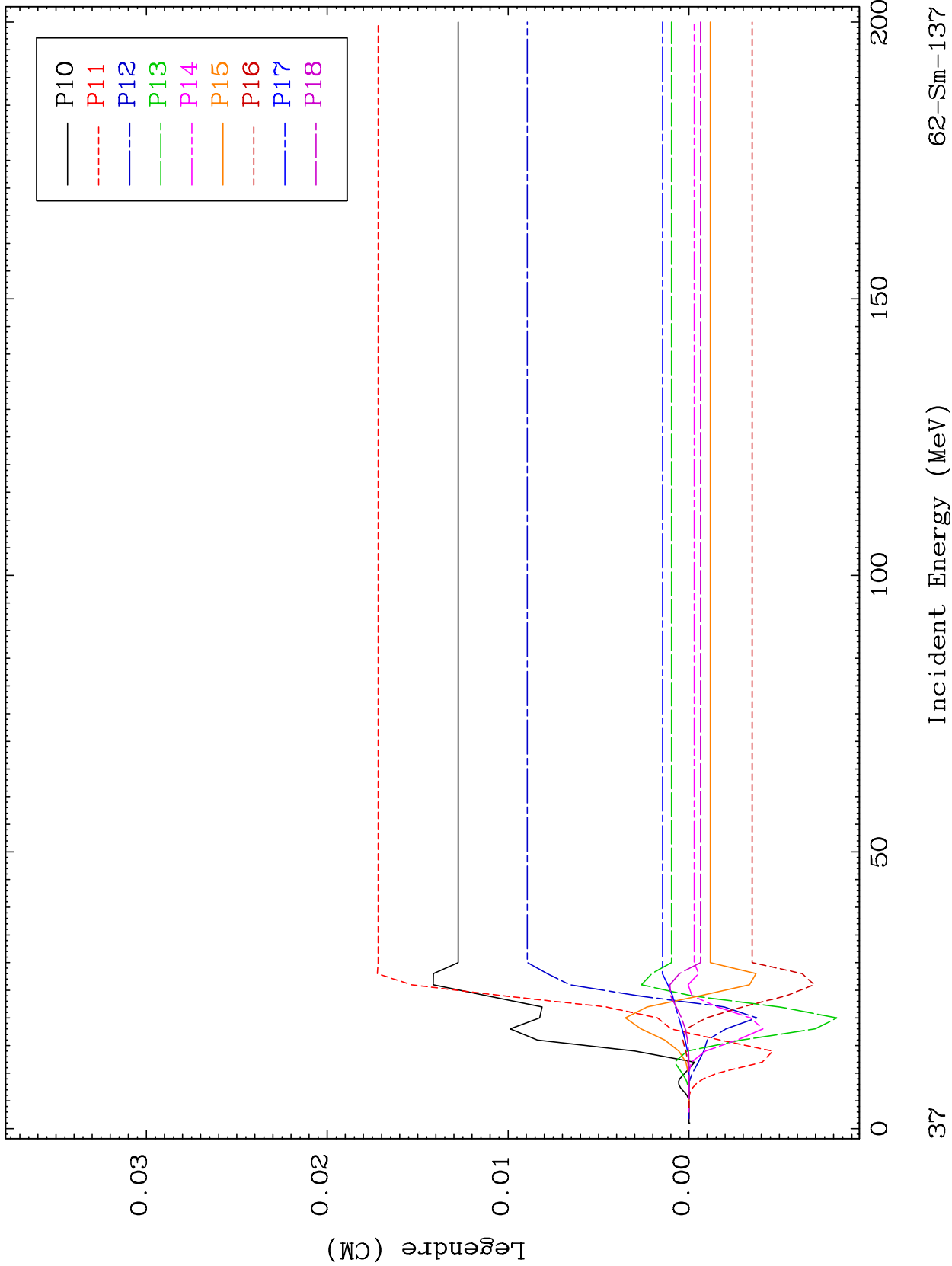
Incident Energy (MeV)

36

MAT 6204

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

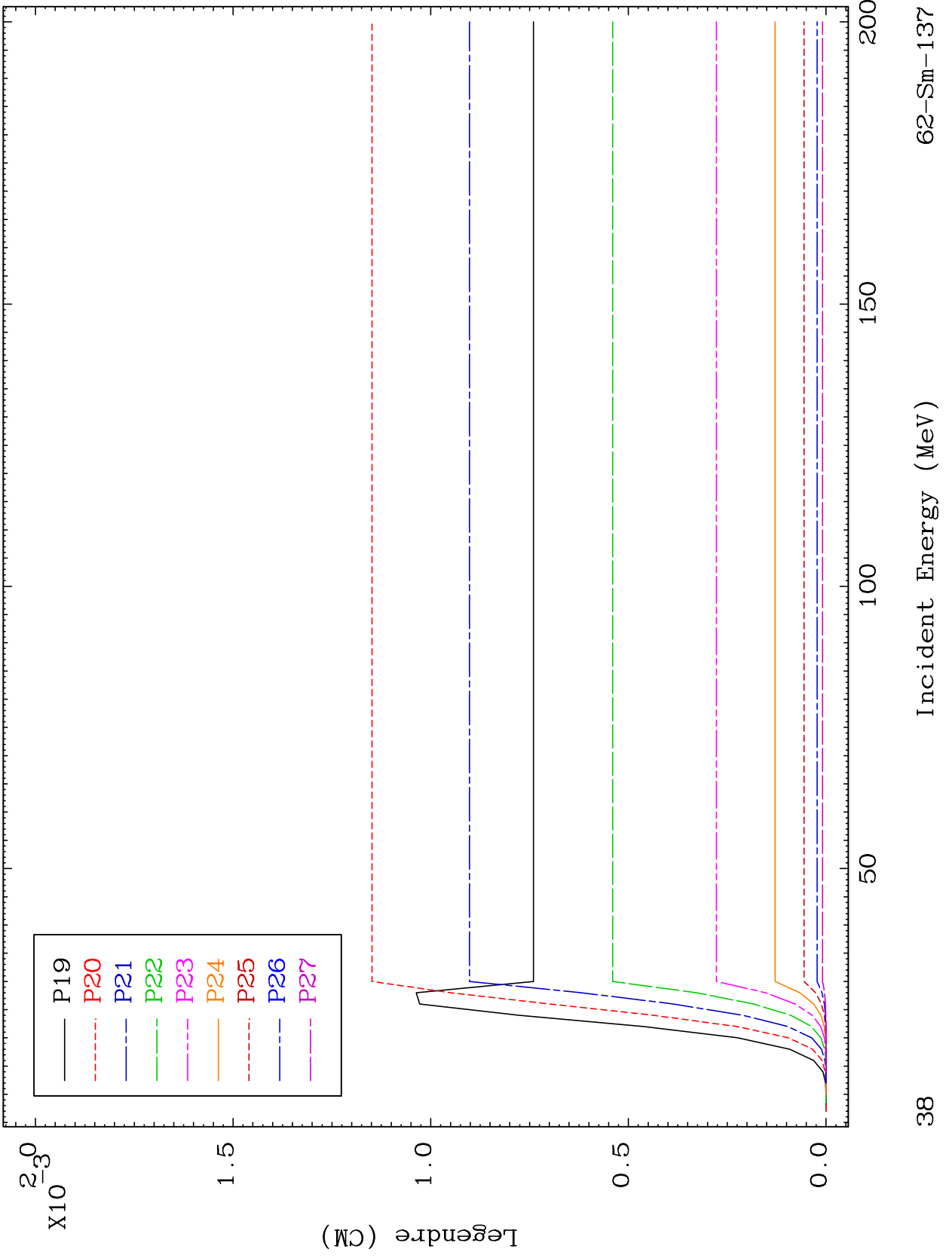
62-Sm-137



37

Incident Energy (MeV)

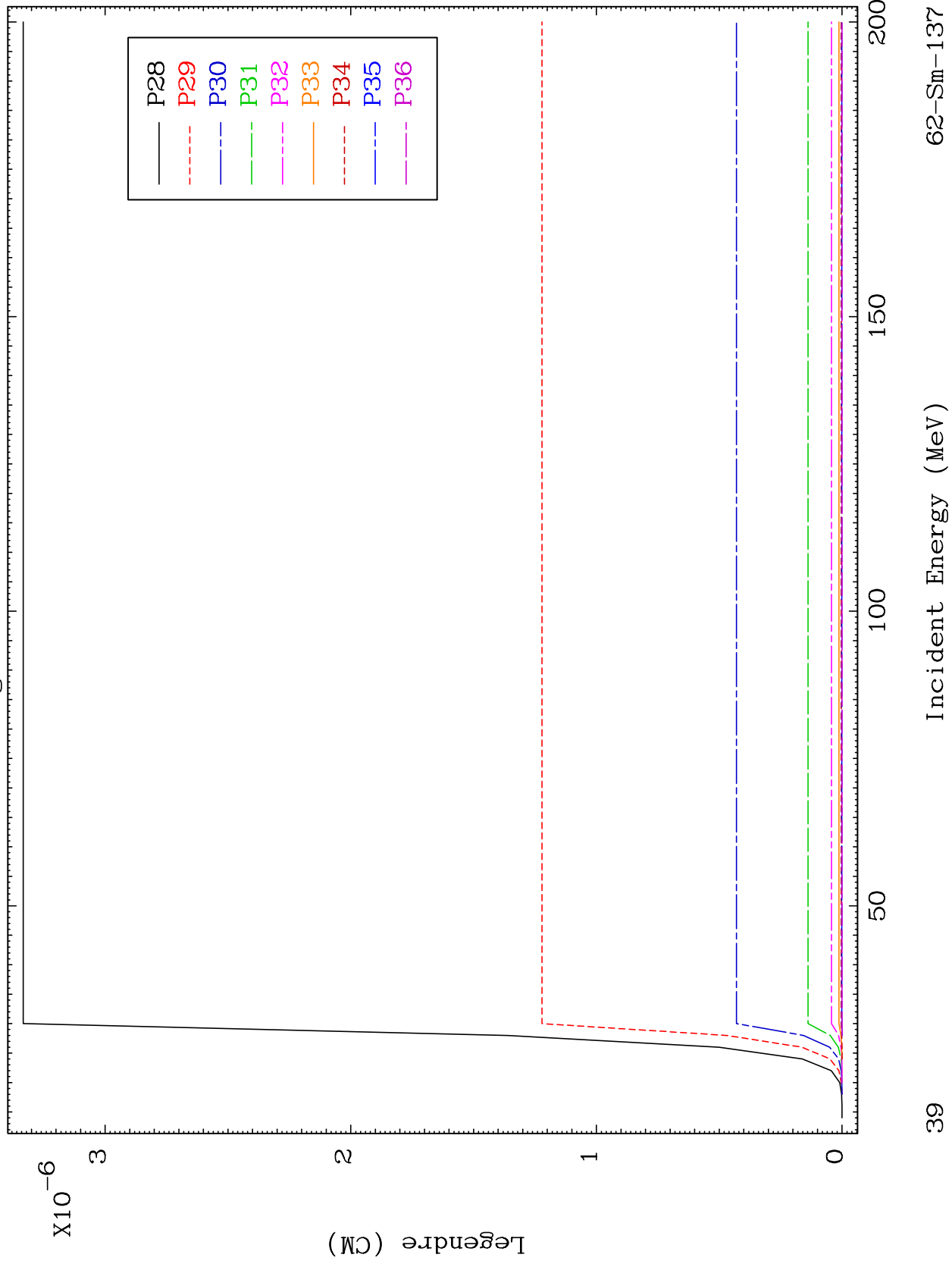
62-Sm-137



MAT 6204

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

62-Sm-137



39

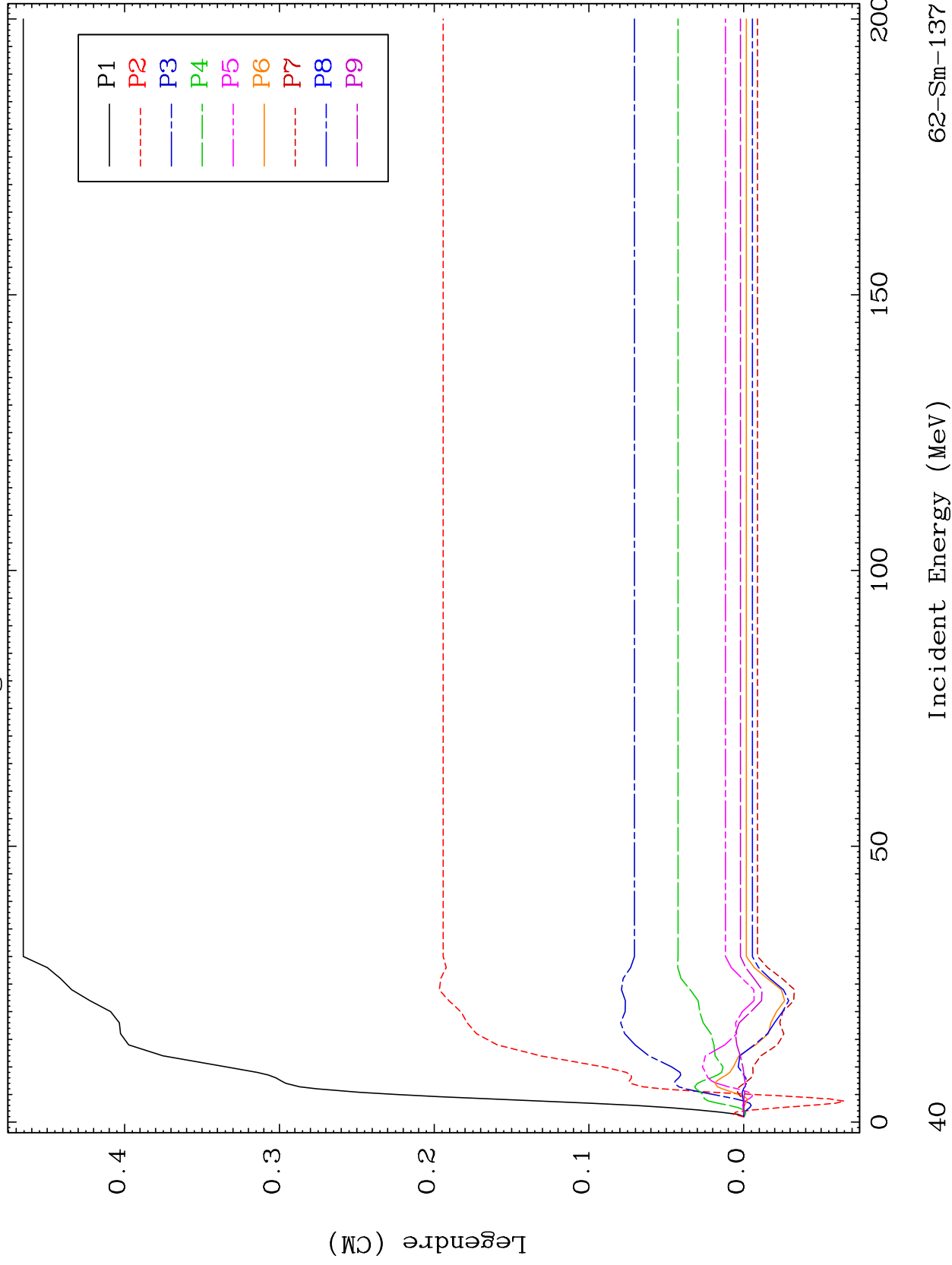
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



62-Sm-137

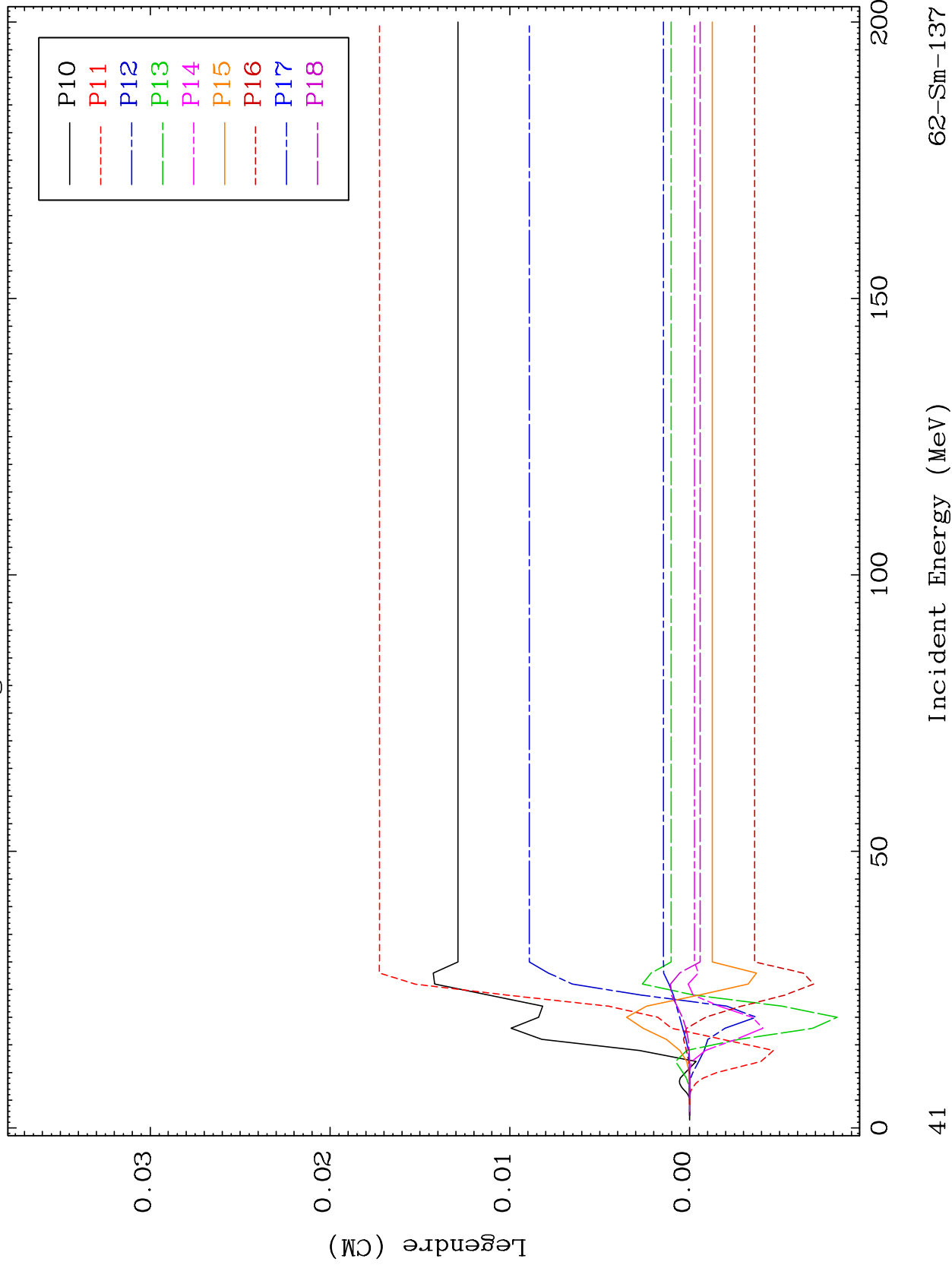
Incident Energy (MeV)

40

MAT 6204

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

62-Sm-137



41

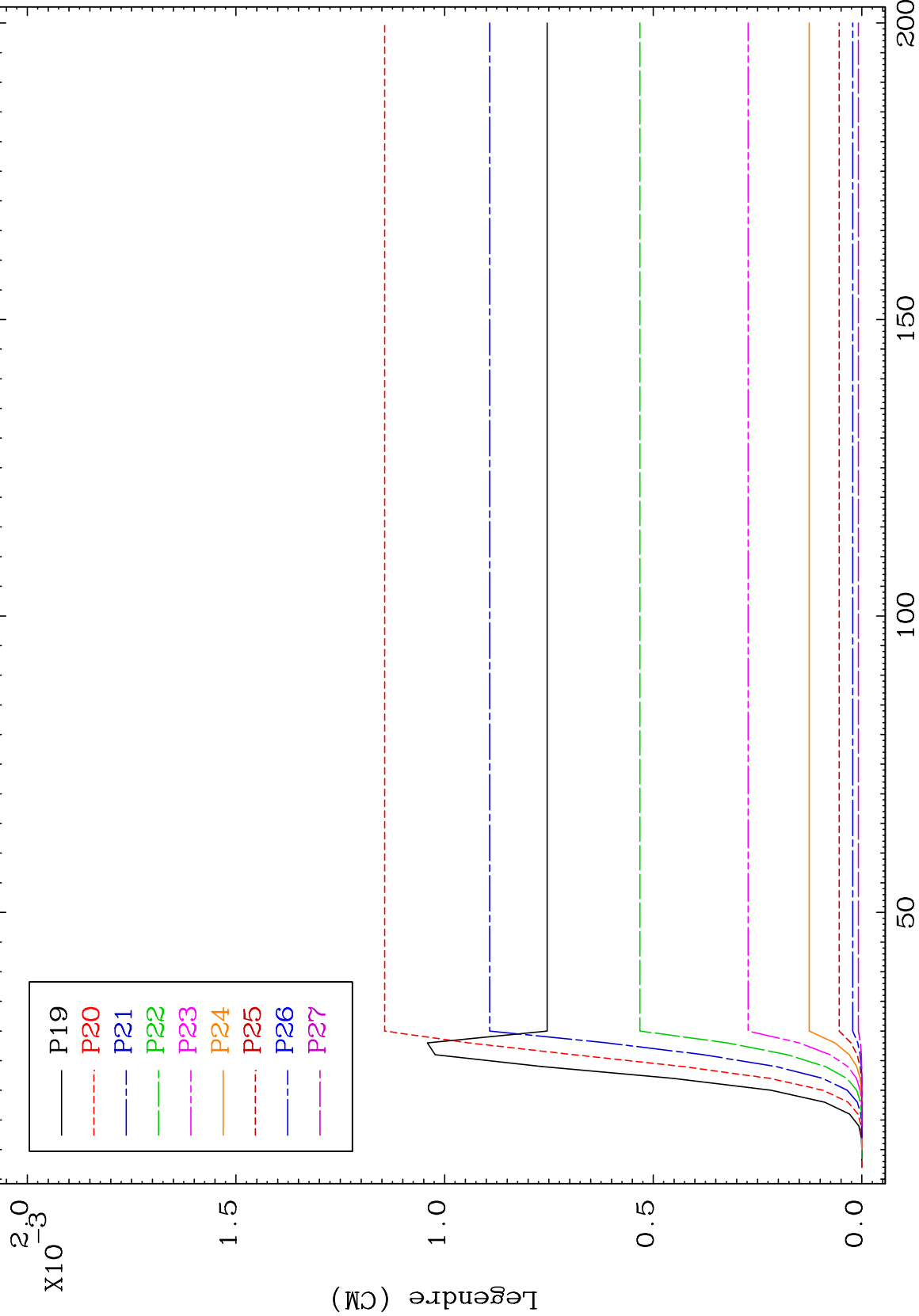
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



42

Incident Energy (MeV)

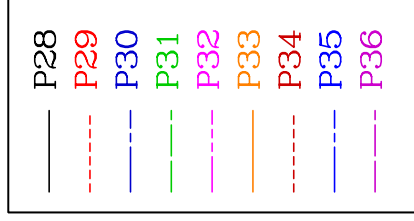
62-Sm-137

MAT 6204

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

62-Sm-137

$\times 10^{-6}$



Legendre (CM)

200

150

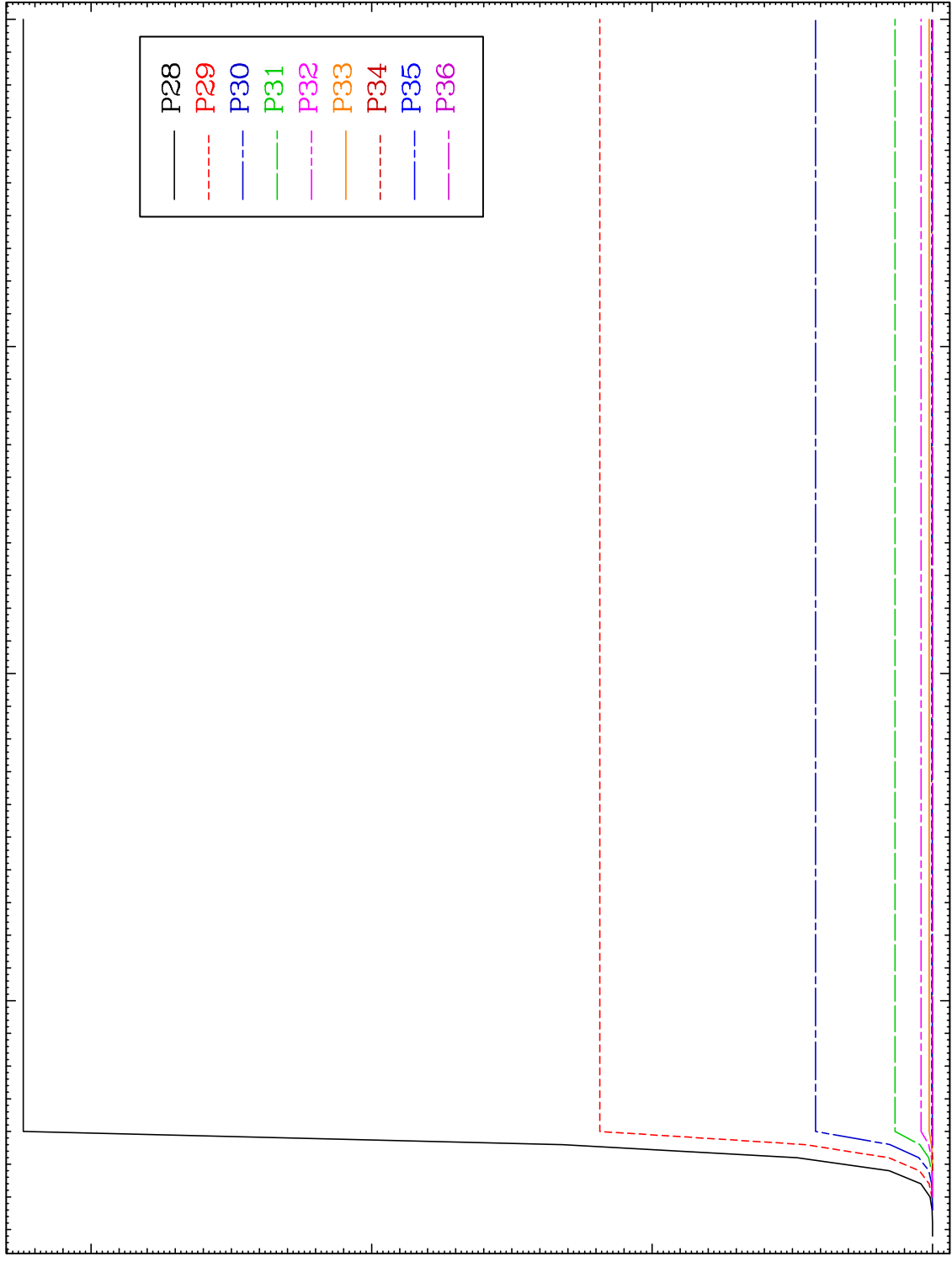
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50

43

Incident Energy (MeV)

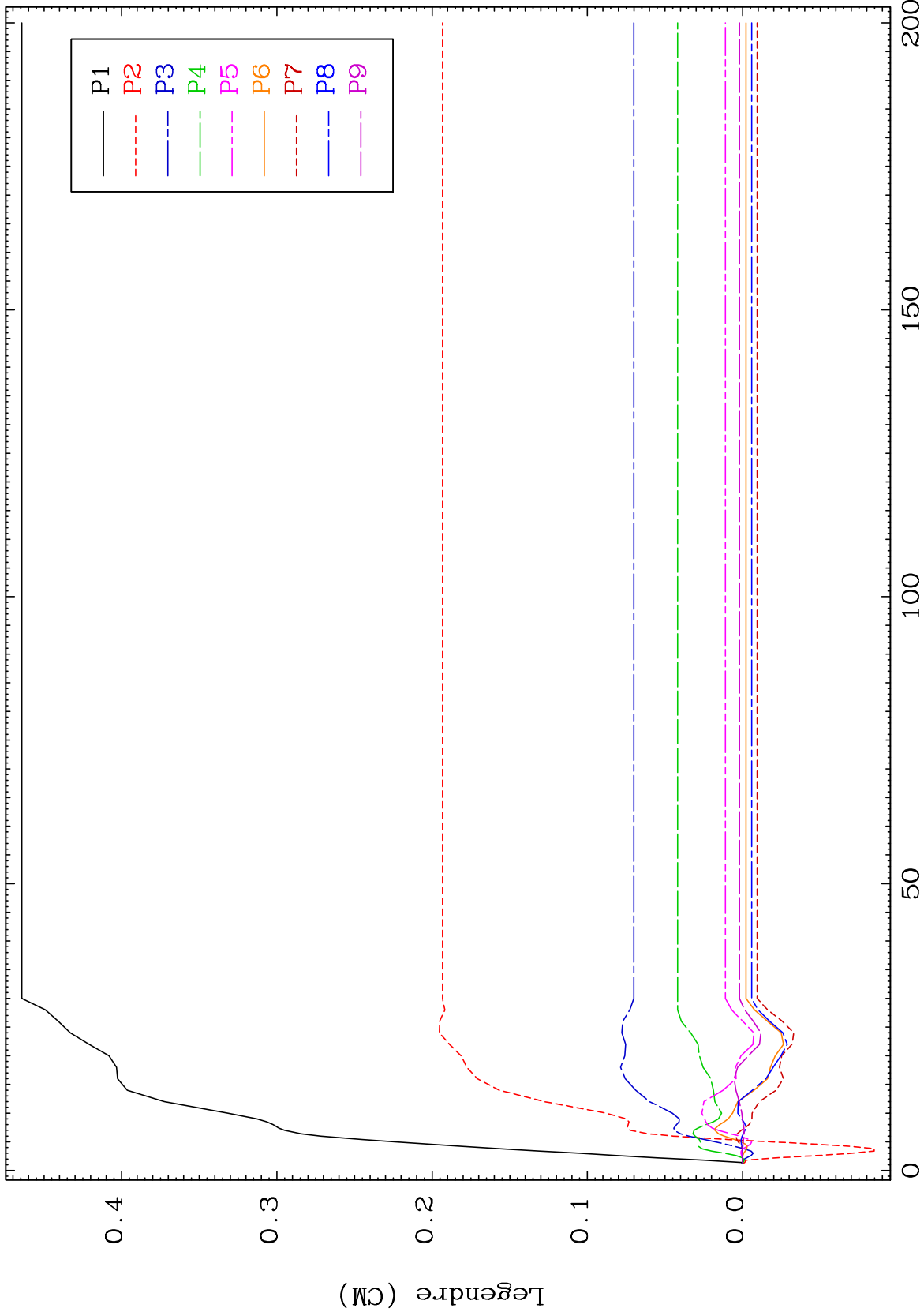
62-Sm-137



MAT 6204

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

62-Sm-137



44

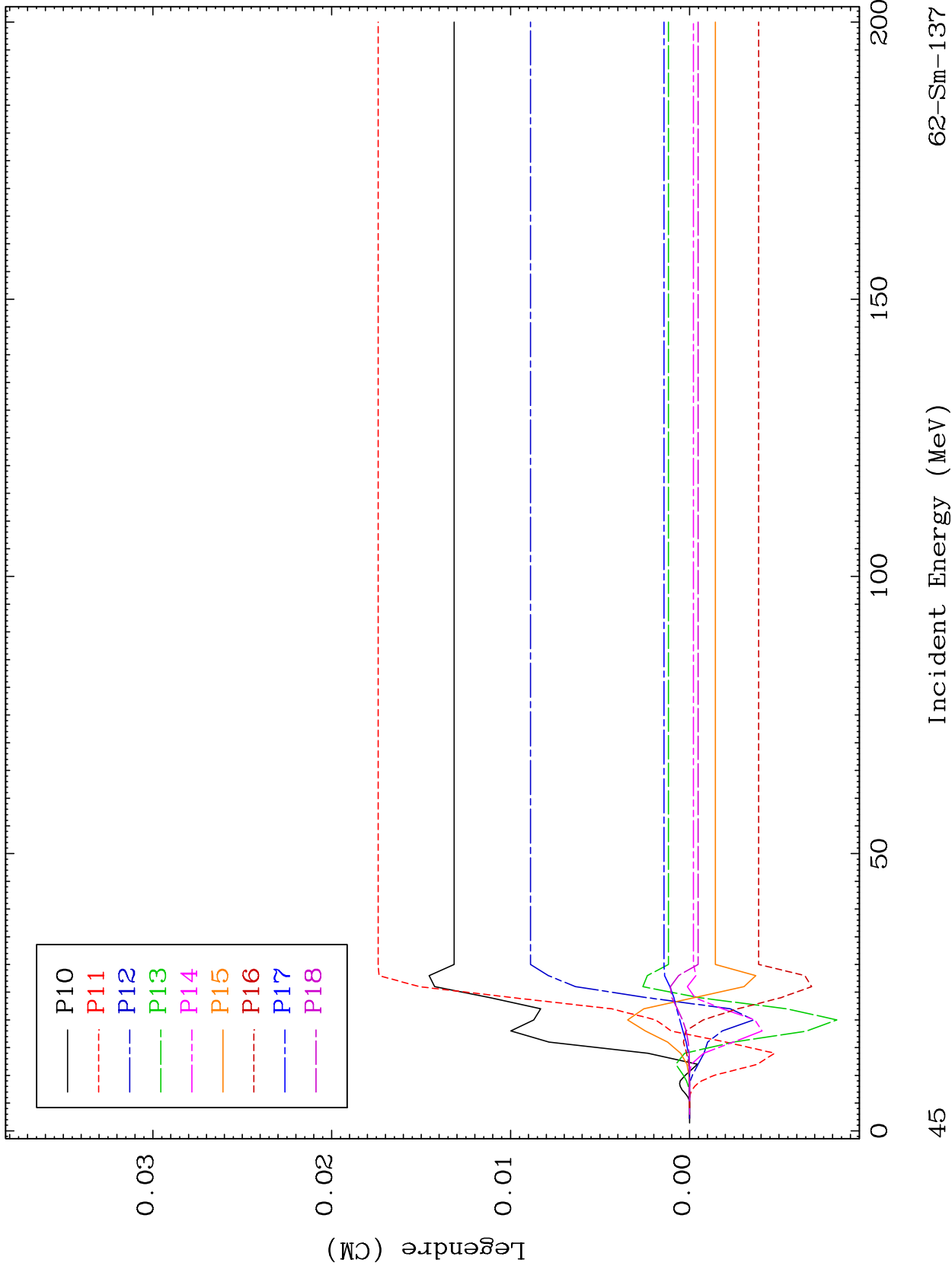
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

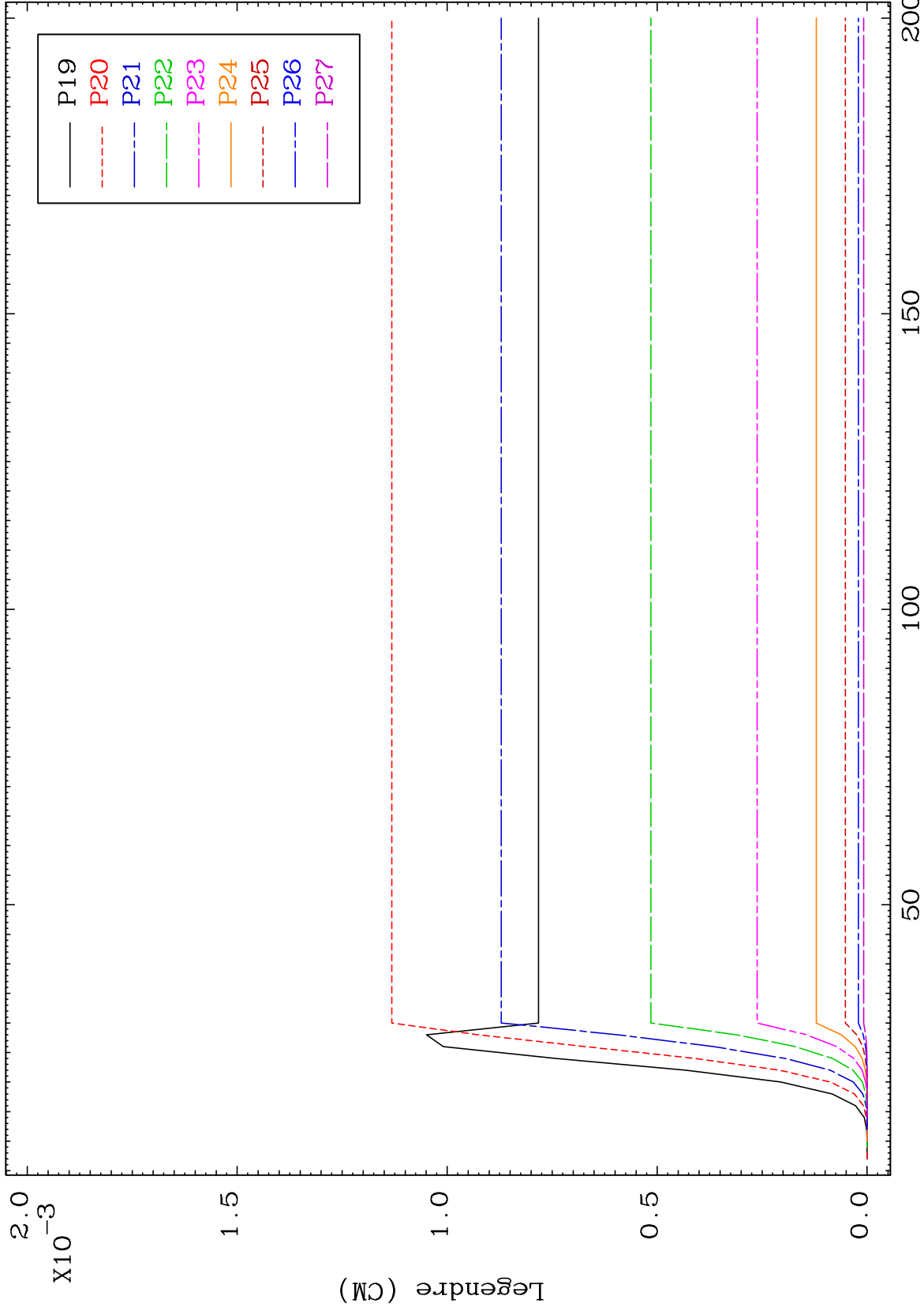
62-Sm-137



62-Sm-137

Incident Energy (MeV)

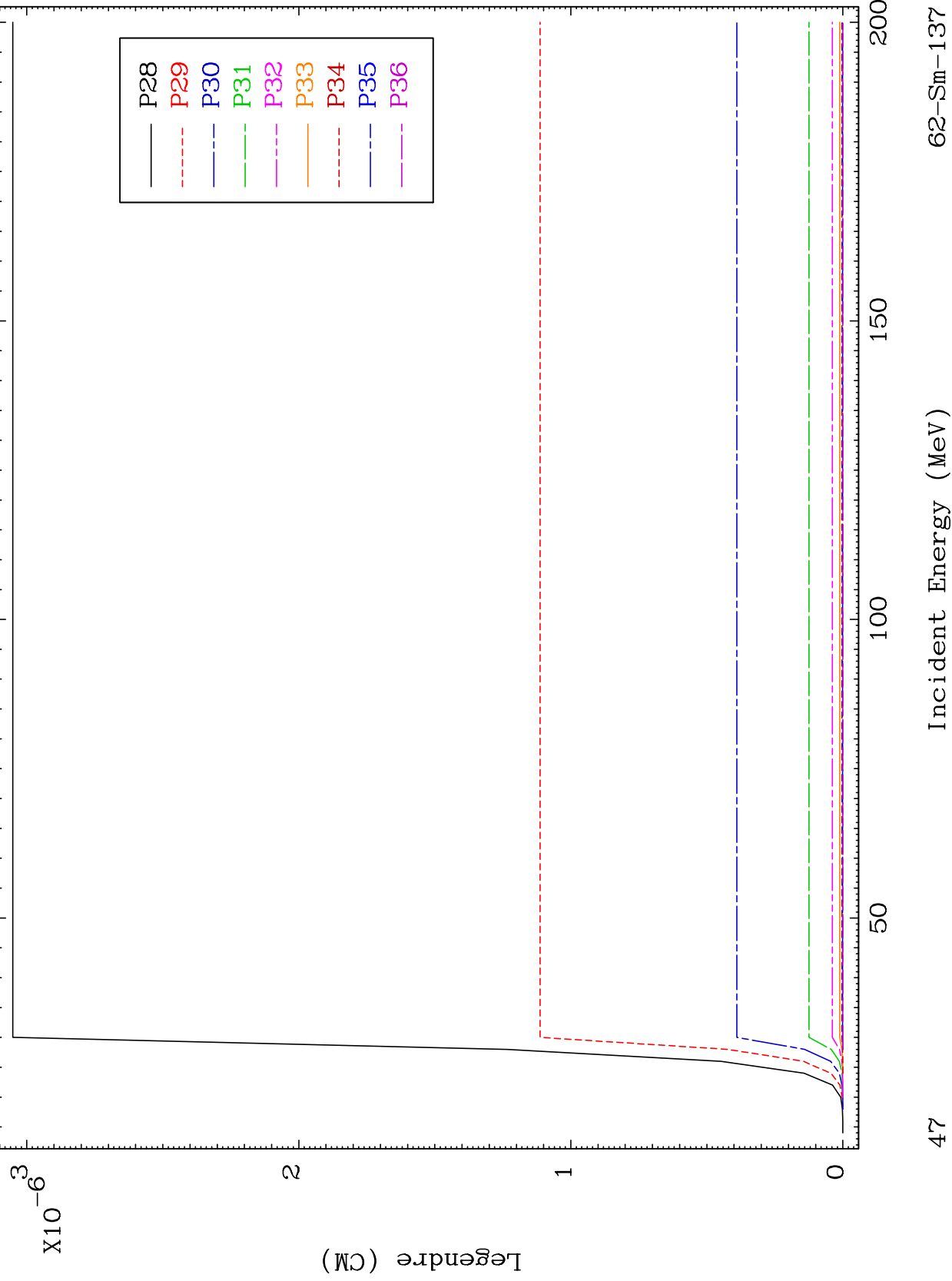
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MAT 6204

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

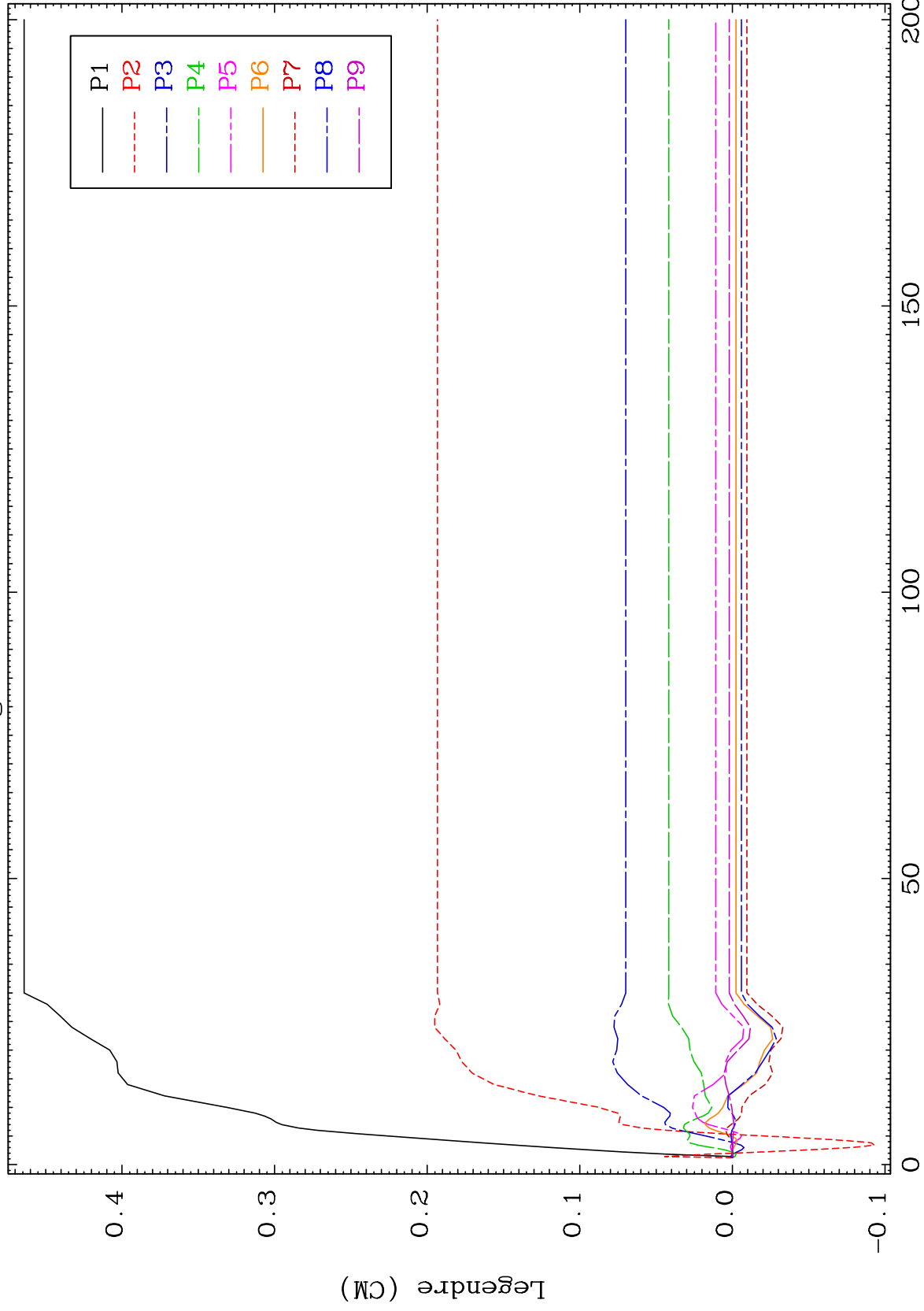
62-Sm-137



MAT 6204

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

62-Sm-137



48

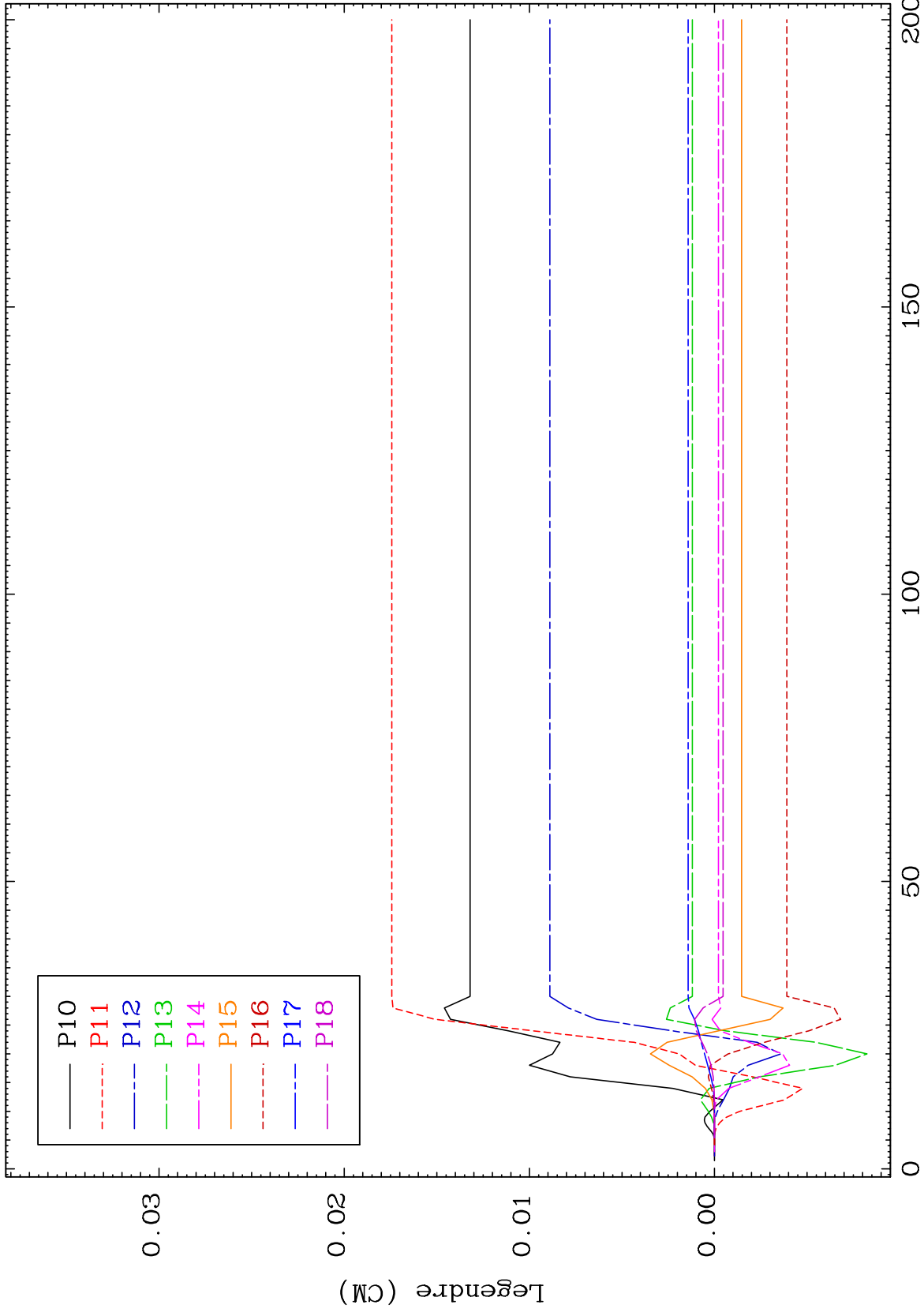
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

62-Sm-137



49

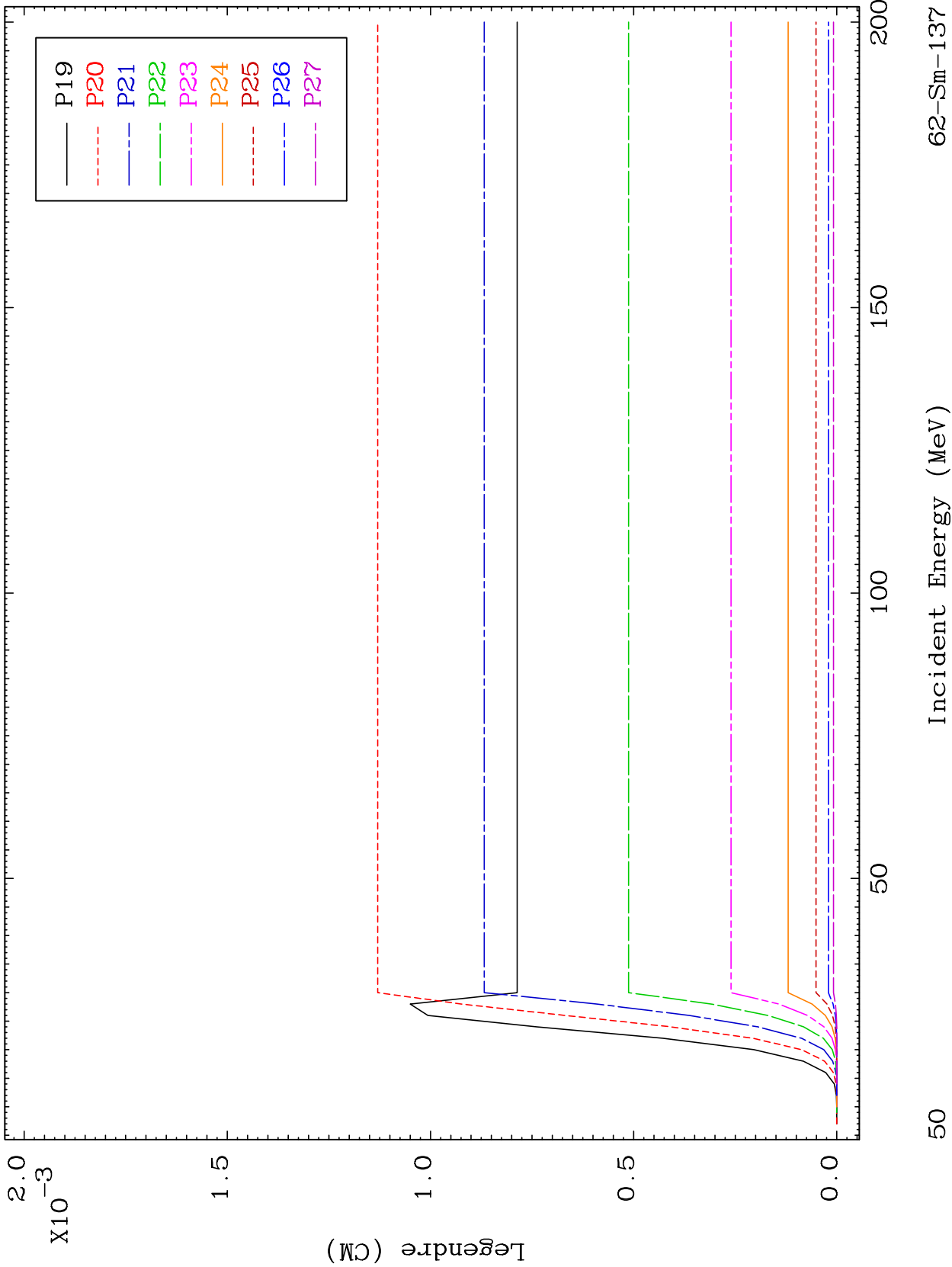
Incident Energy (MeV)

62-Sm-137

MAT 6204

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

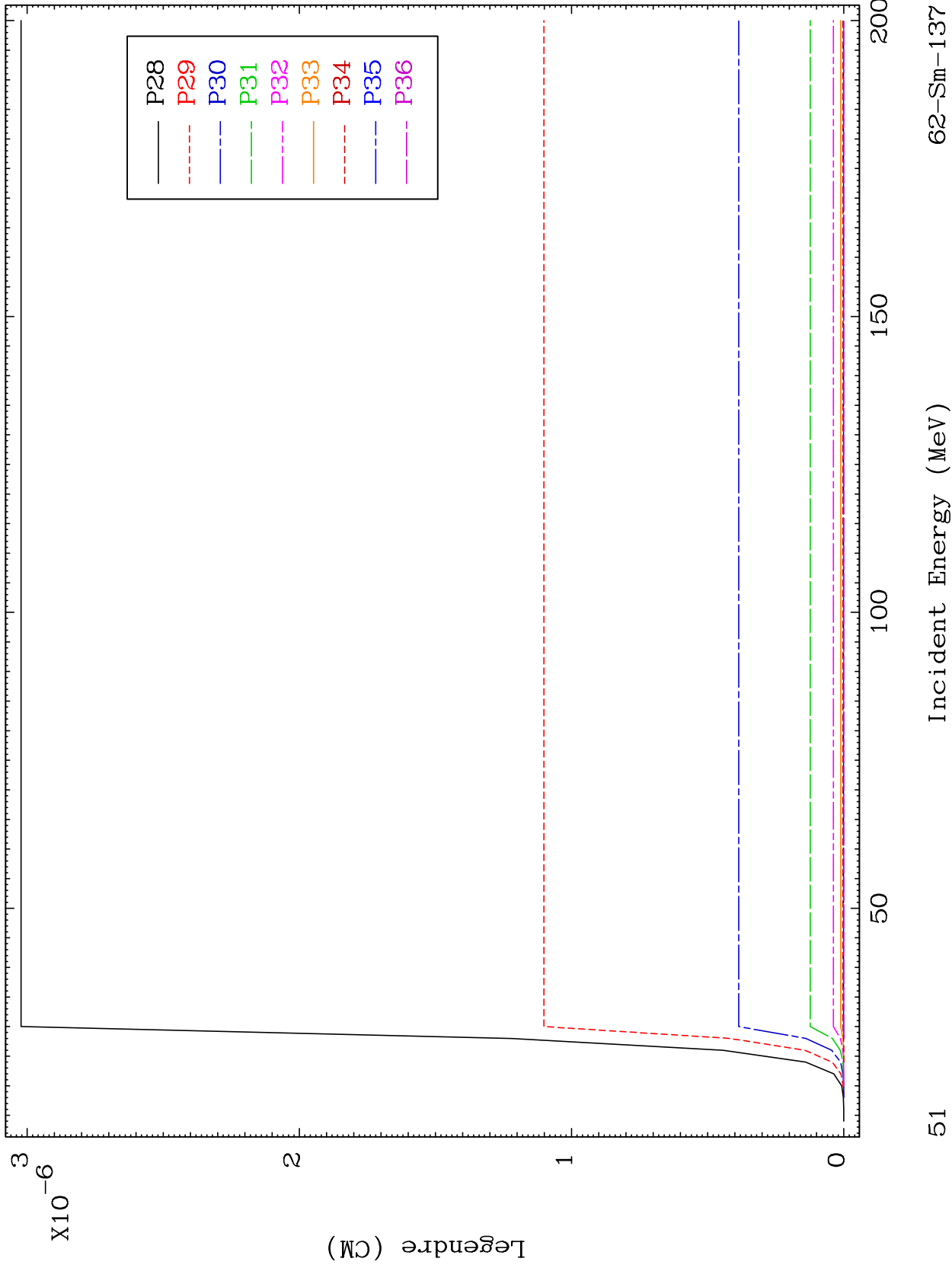
62-Sm-137



62-Sm-137

Incident Energy (MeV)

50

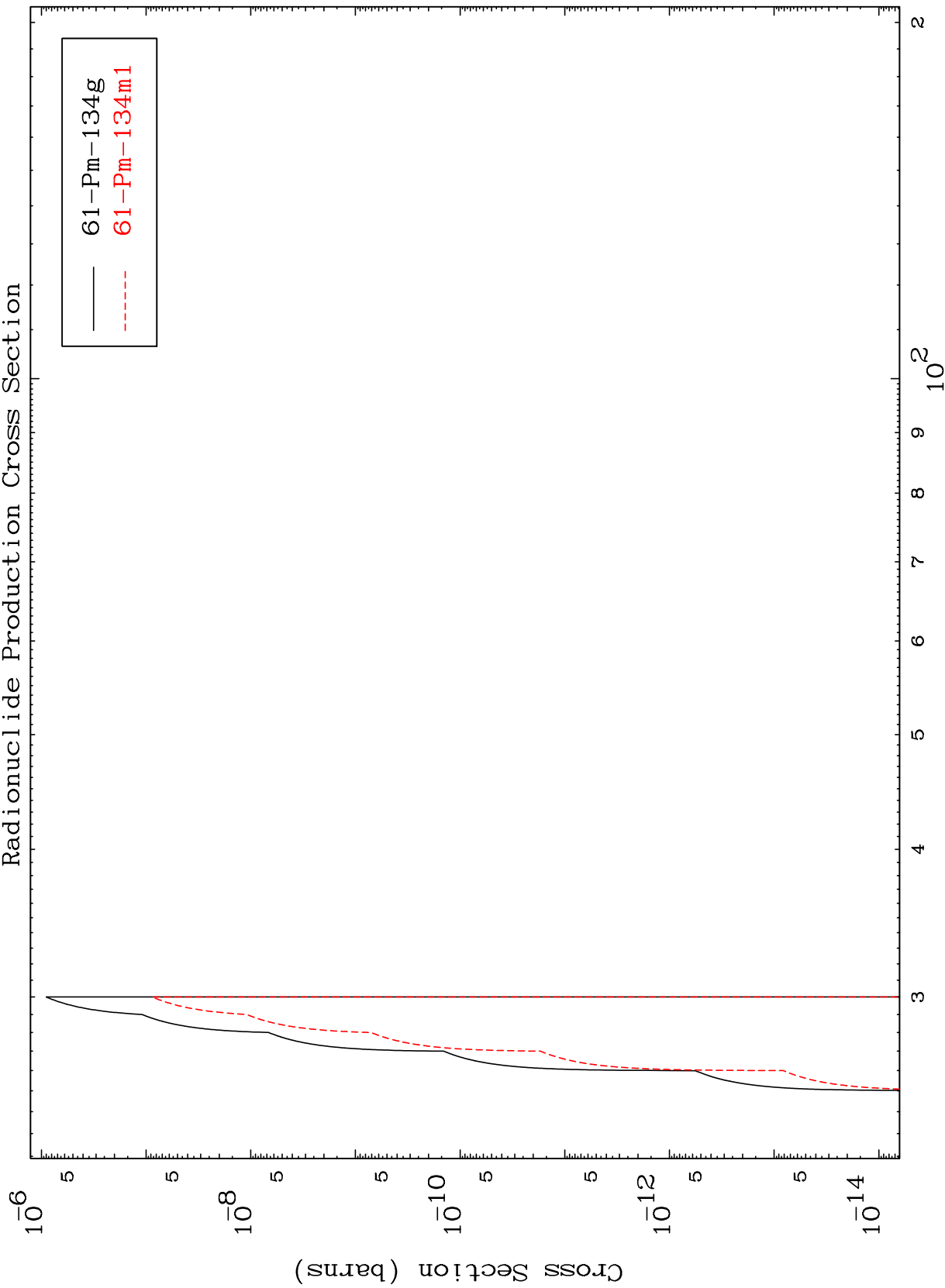


MAT 6204

(n,2n) d

62-Sm-137

Radionuclide Production Cross Section



52

Incident Energy (MeV)

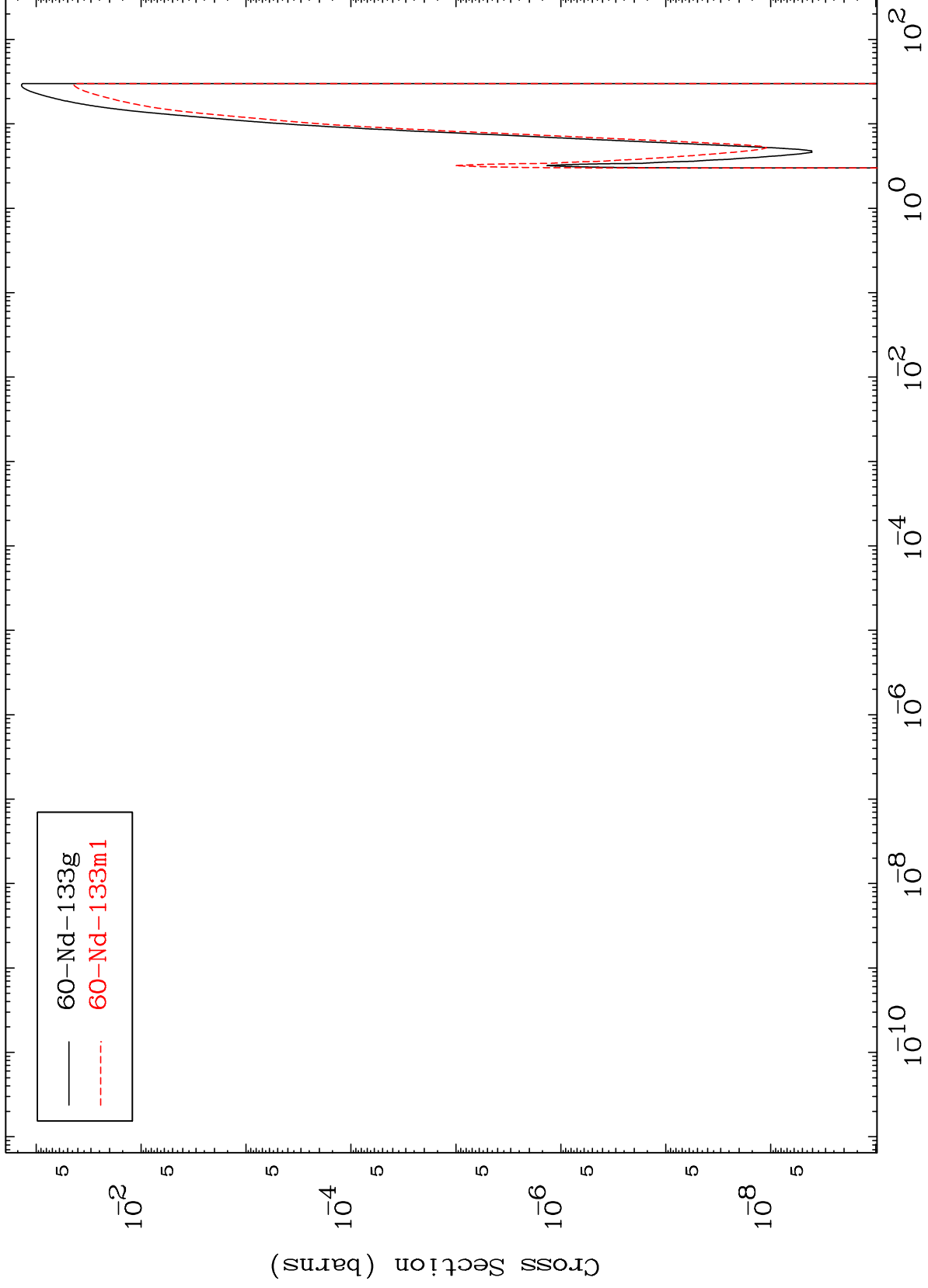
62-Sm-137

MAT 6204

(n, n') α

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

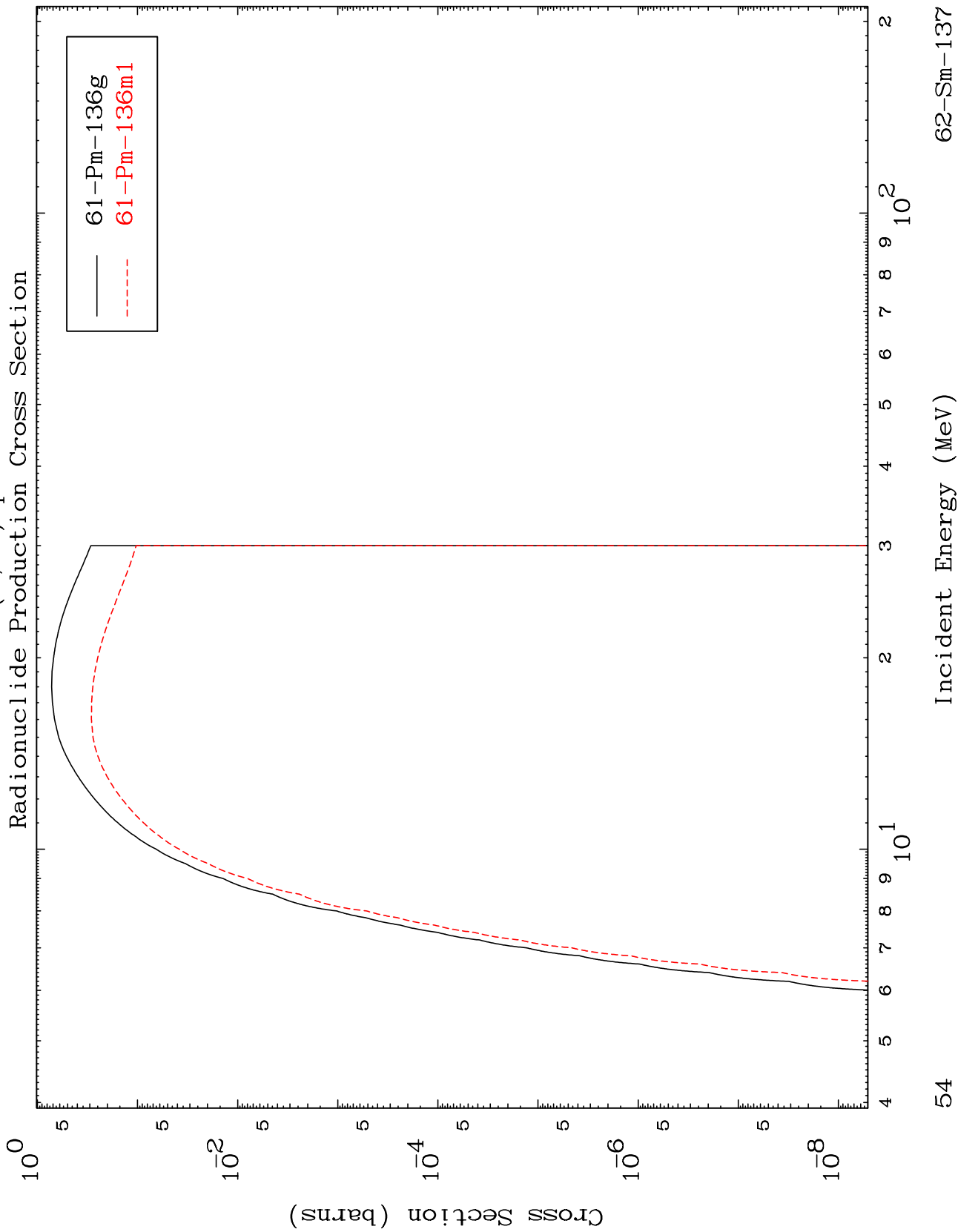
Radionuclide Production Cross Section



MAT 6204

(n,n') p

62-Sm-137

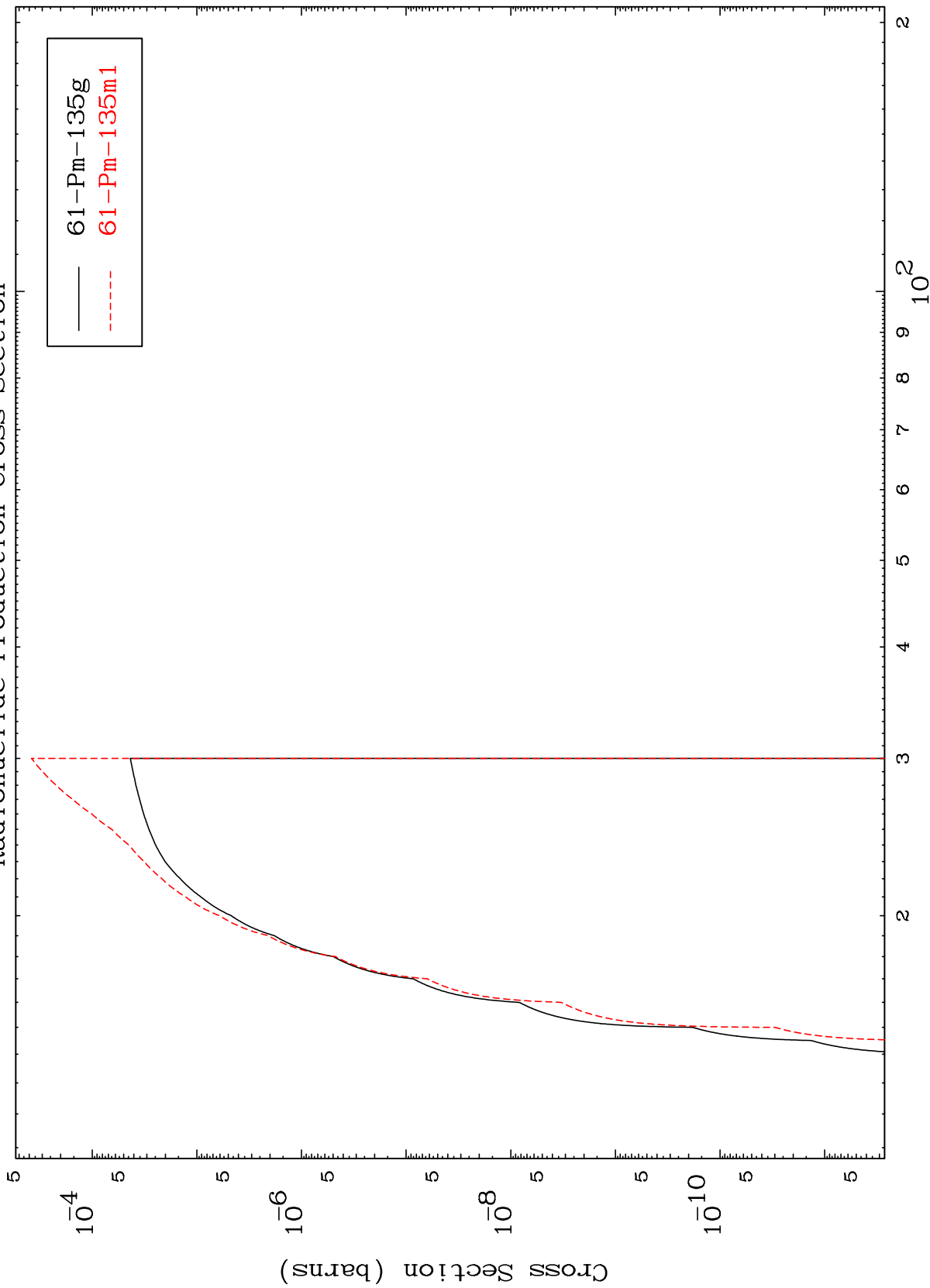


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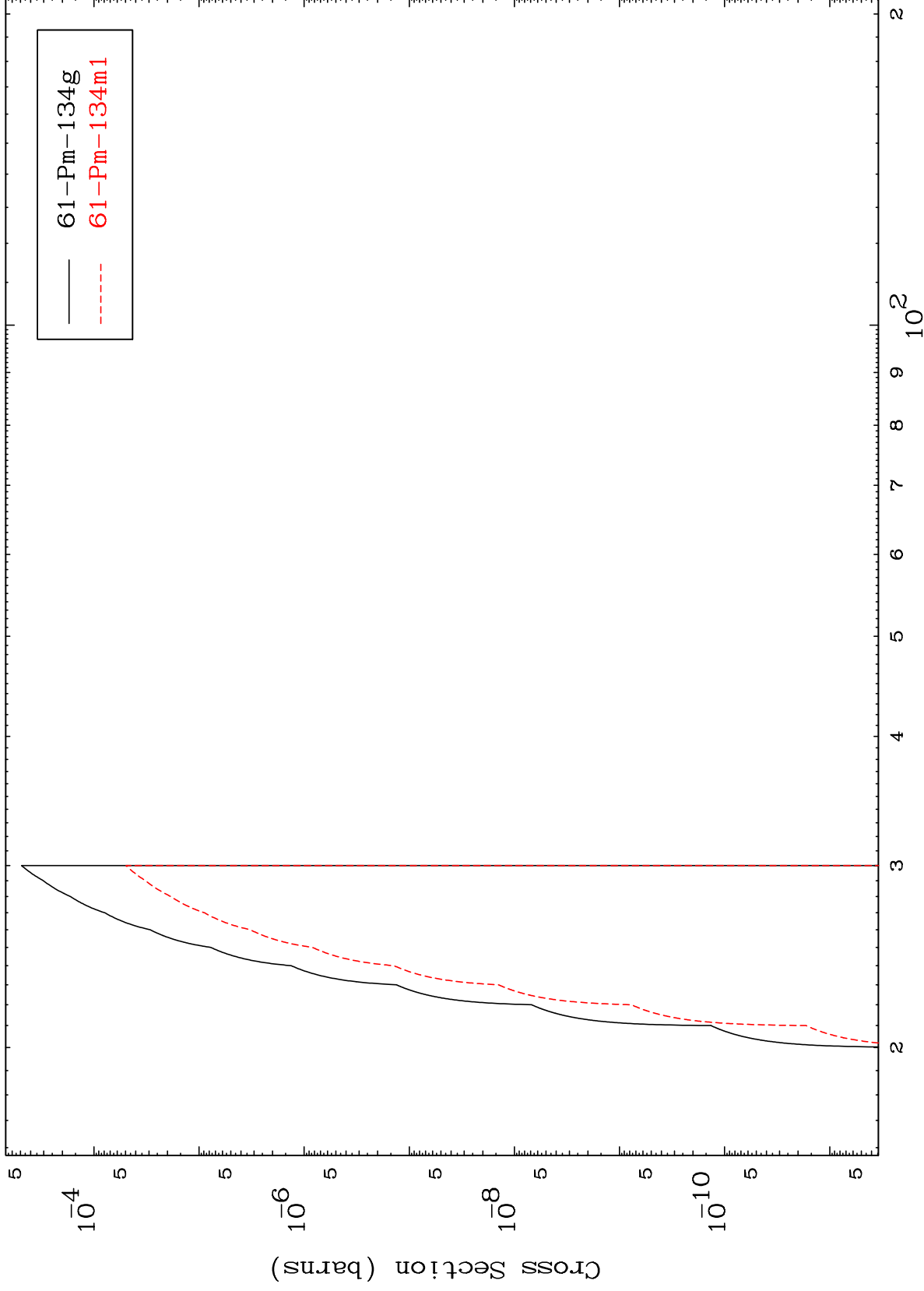
Incident Energy (MeV)

62-Sm-137

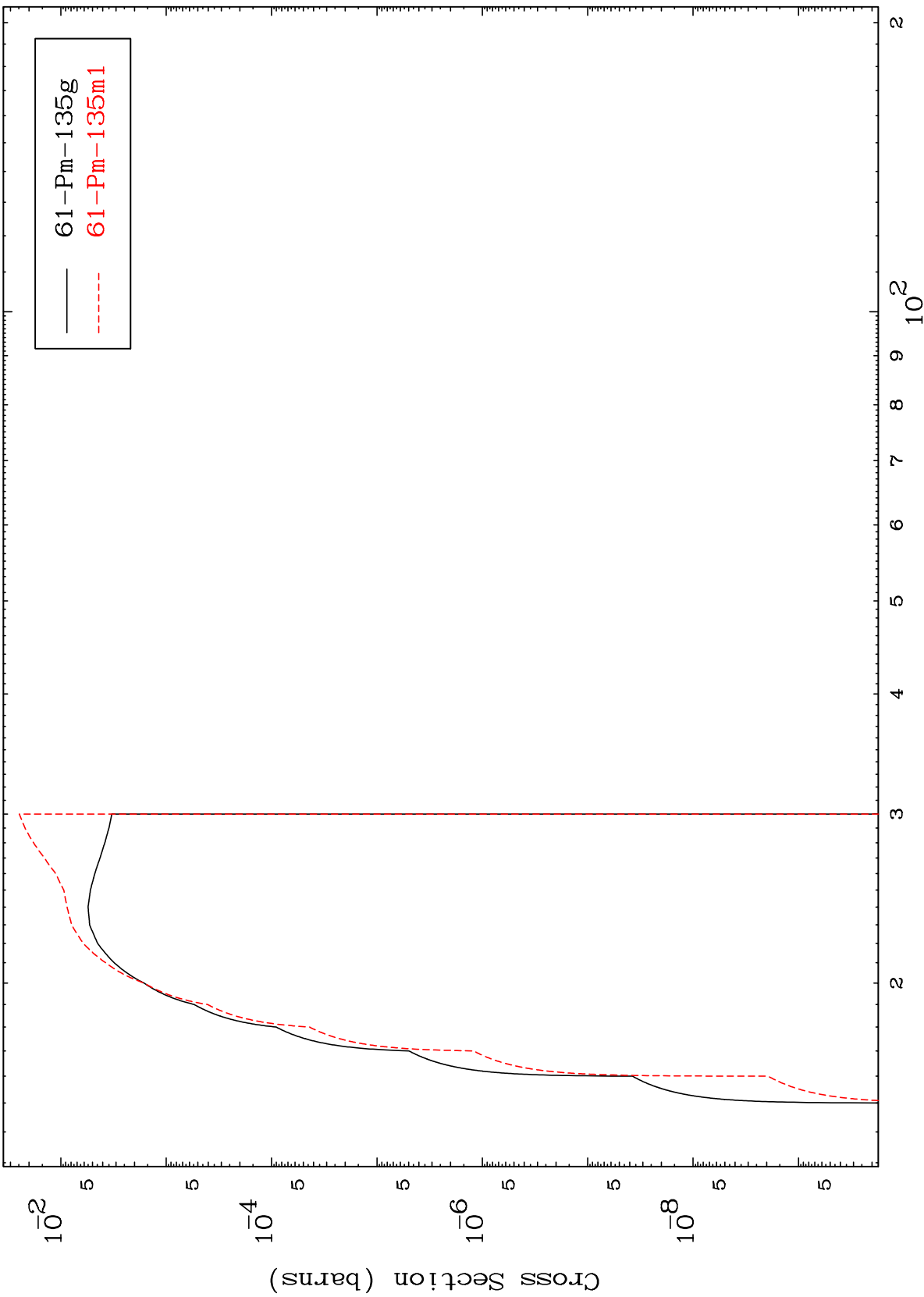
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

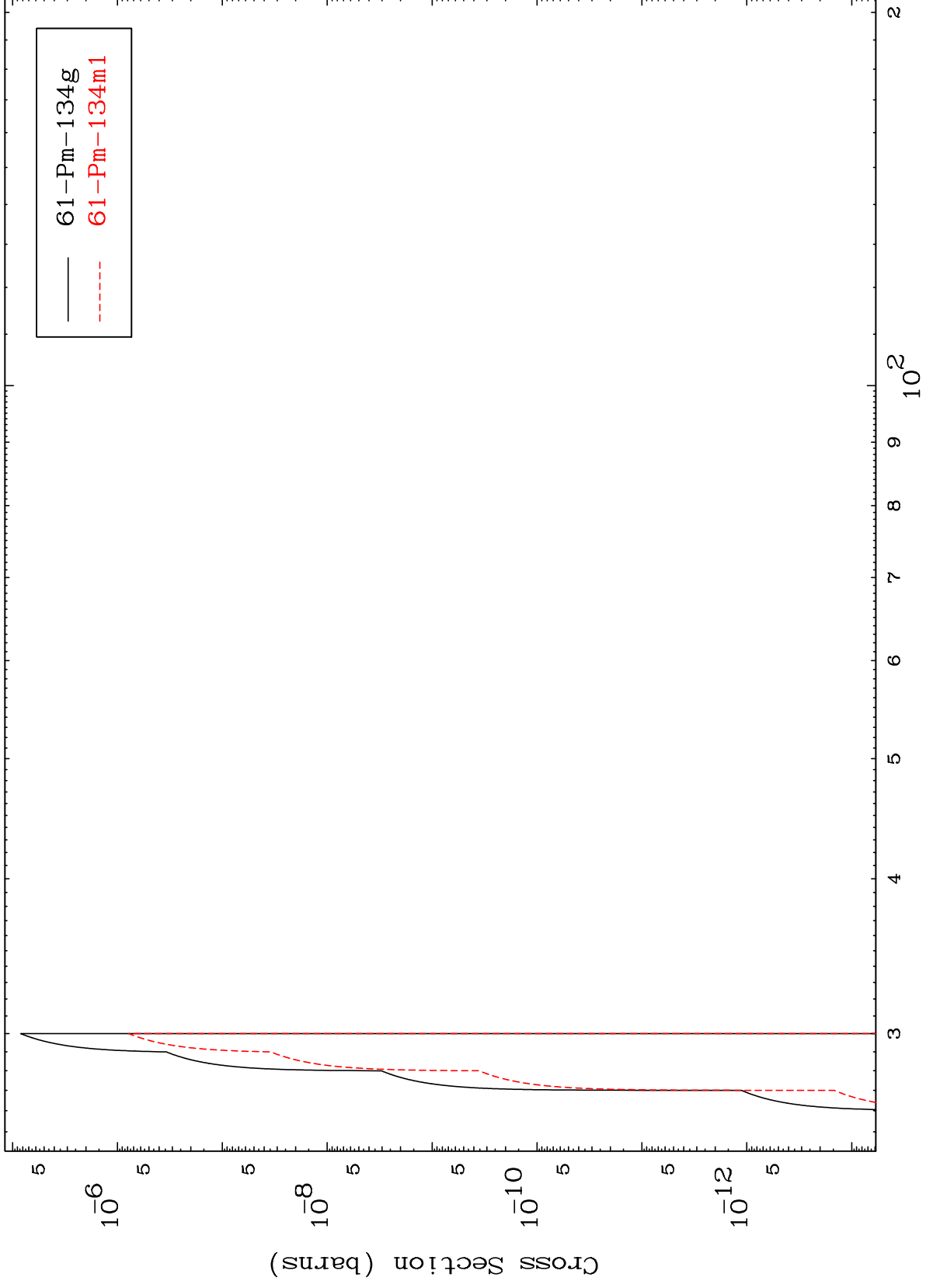


MAT 6204

(n,3n) p

62-Sm-137

Radionuclide Production Cross Section



58

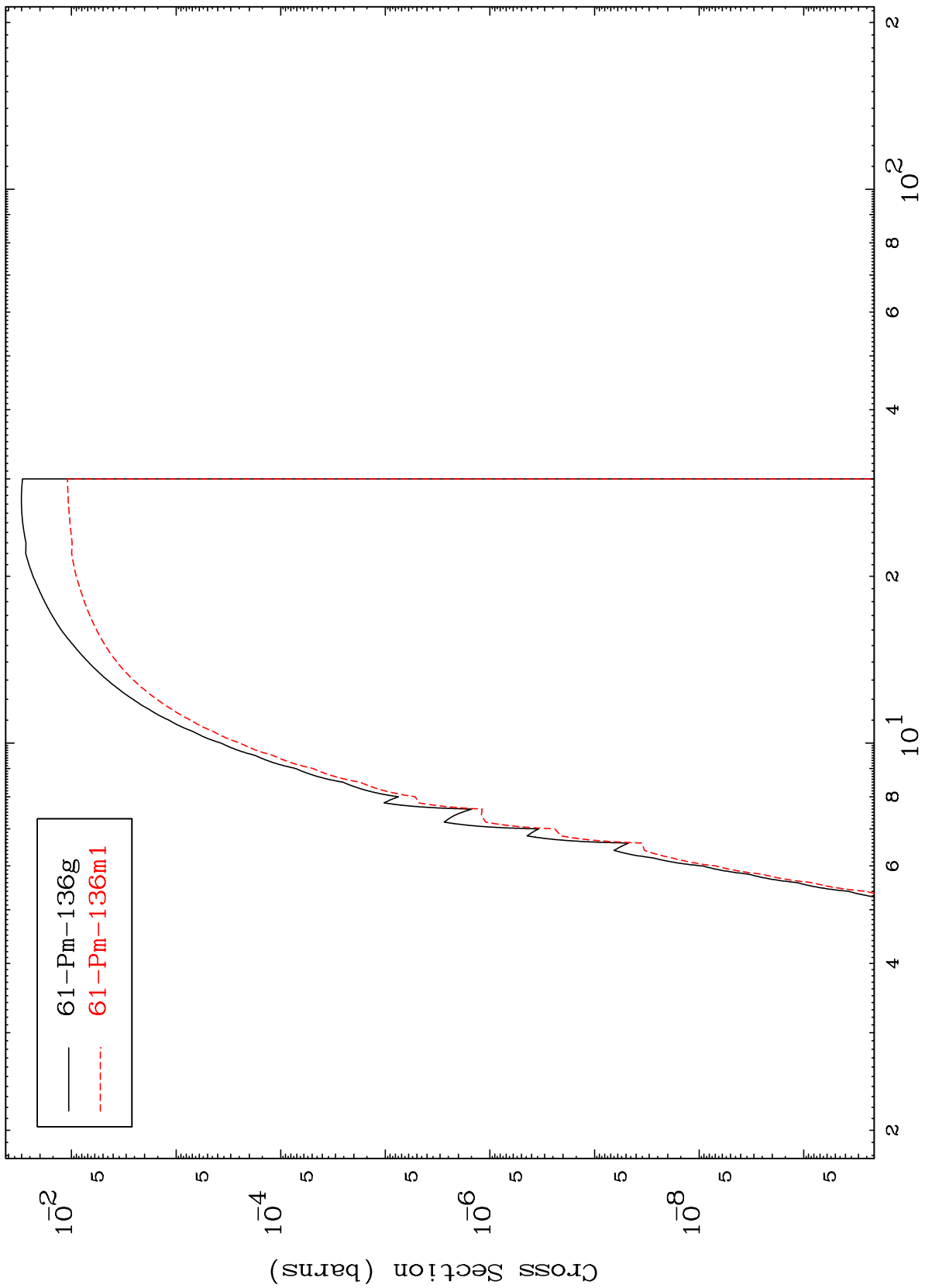
Incident Energy (MeV)

62-Sm-137

MAT 6204

62-Sm-137

(n,d)
Radionuclide Production Cross Section



59

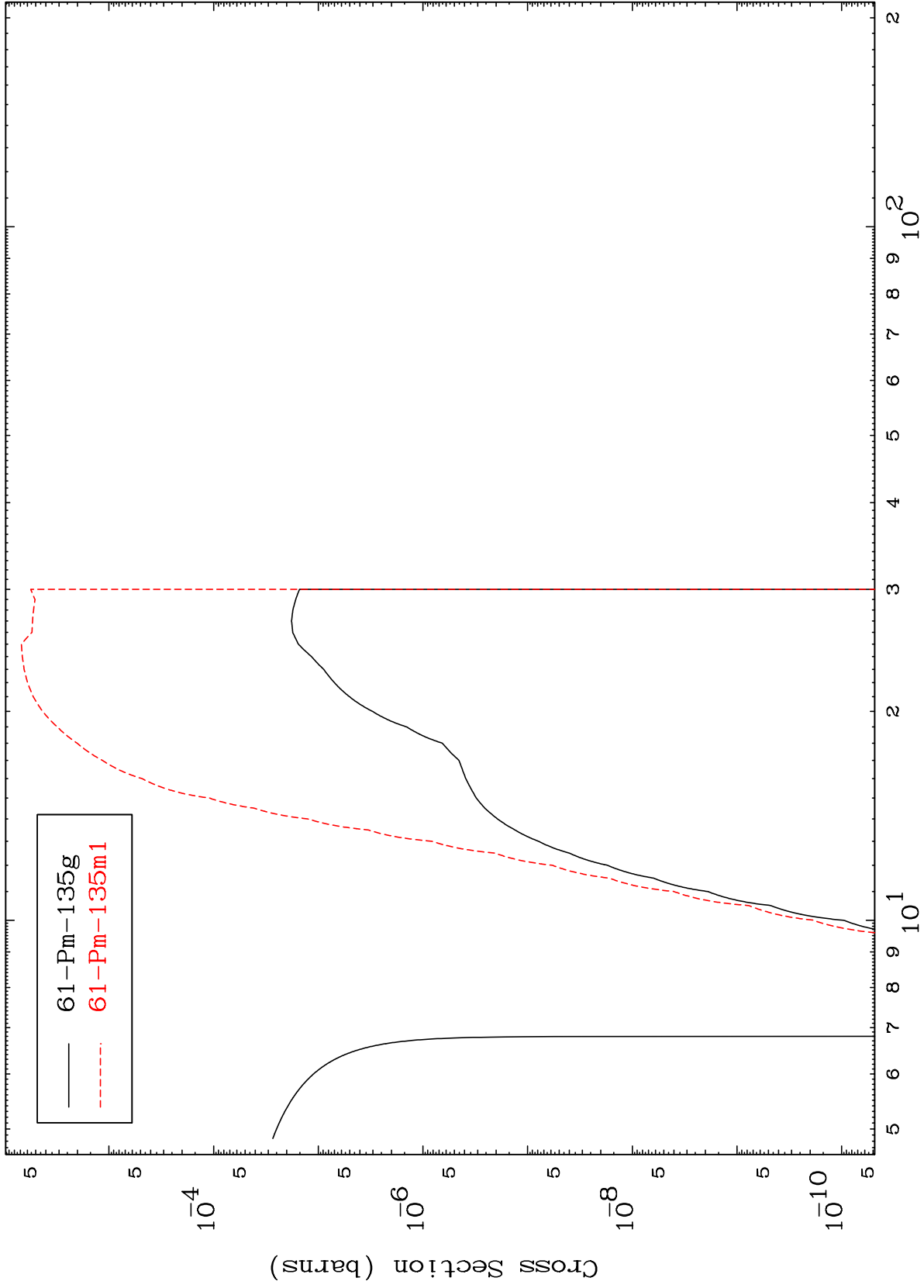
Incident Energy (MeV)

62-Sm-137

MAT 6204

62-Sm-137

(n, t)
Radionuclide Production Cross Section



60

Incident Energy (MeV)

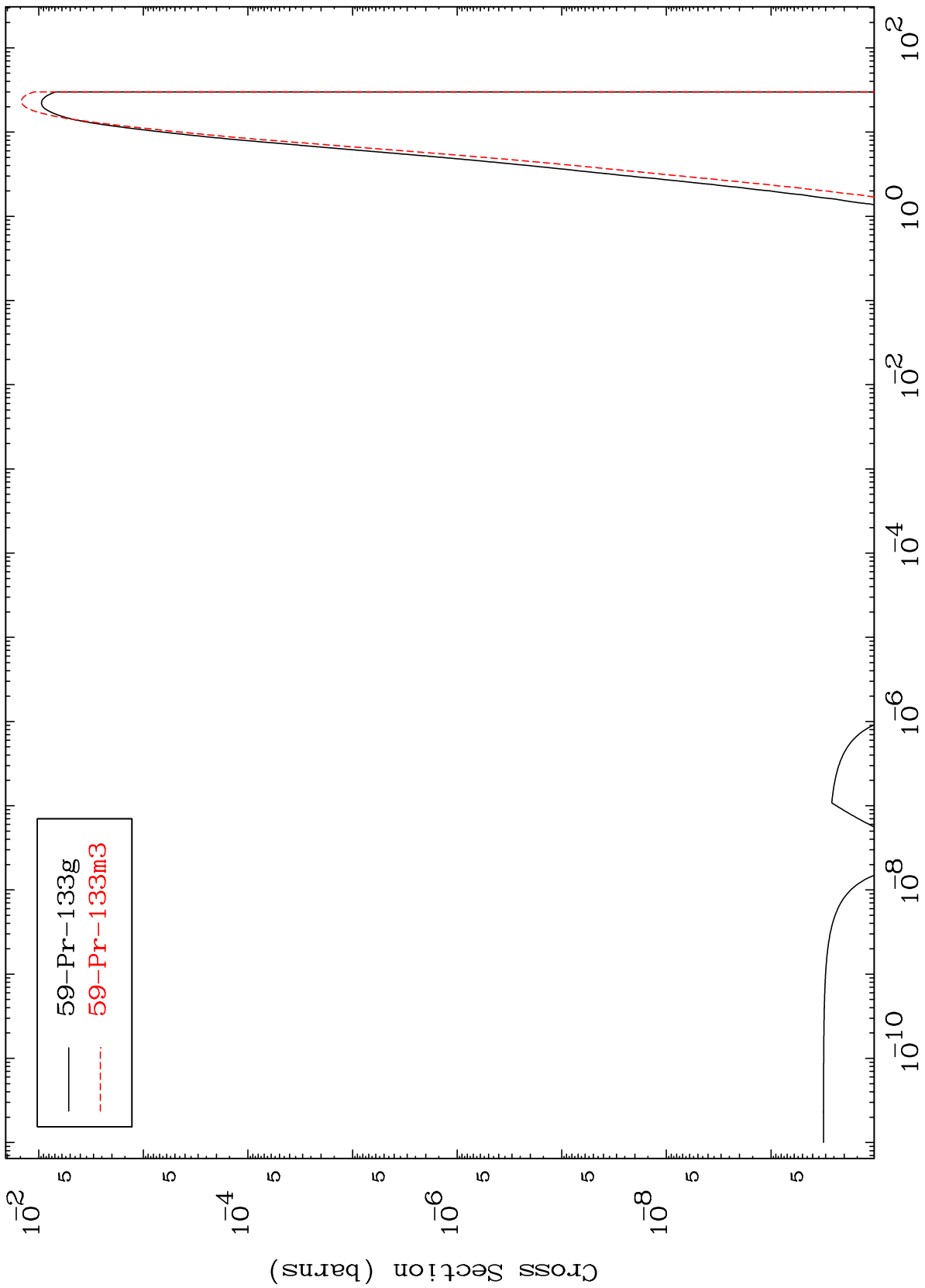
62-Sm-137

MAT 6204

(n,p) α

62-Sm-137

Radionuclide Production Cross Section



61

Incident Energy (MeV)

62-Sm-137