

Program EVALPLOT
(Version 2021-1)

by

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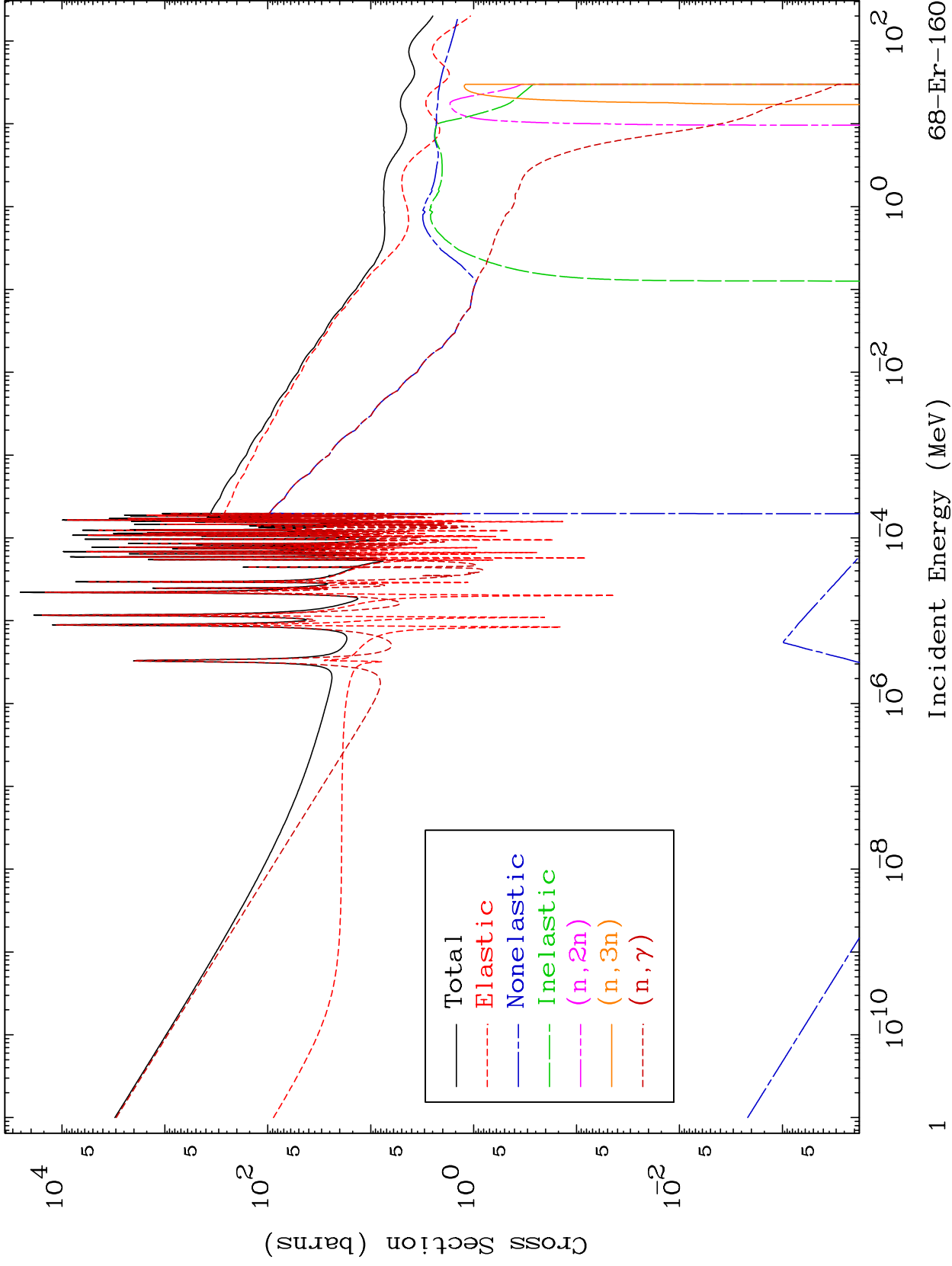
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6819

Neutron Major
293 Kelvin Cross Sections

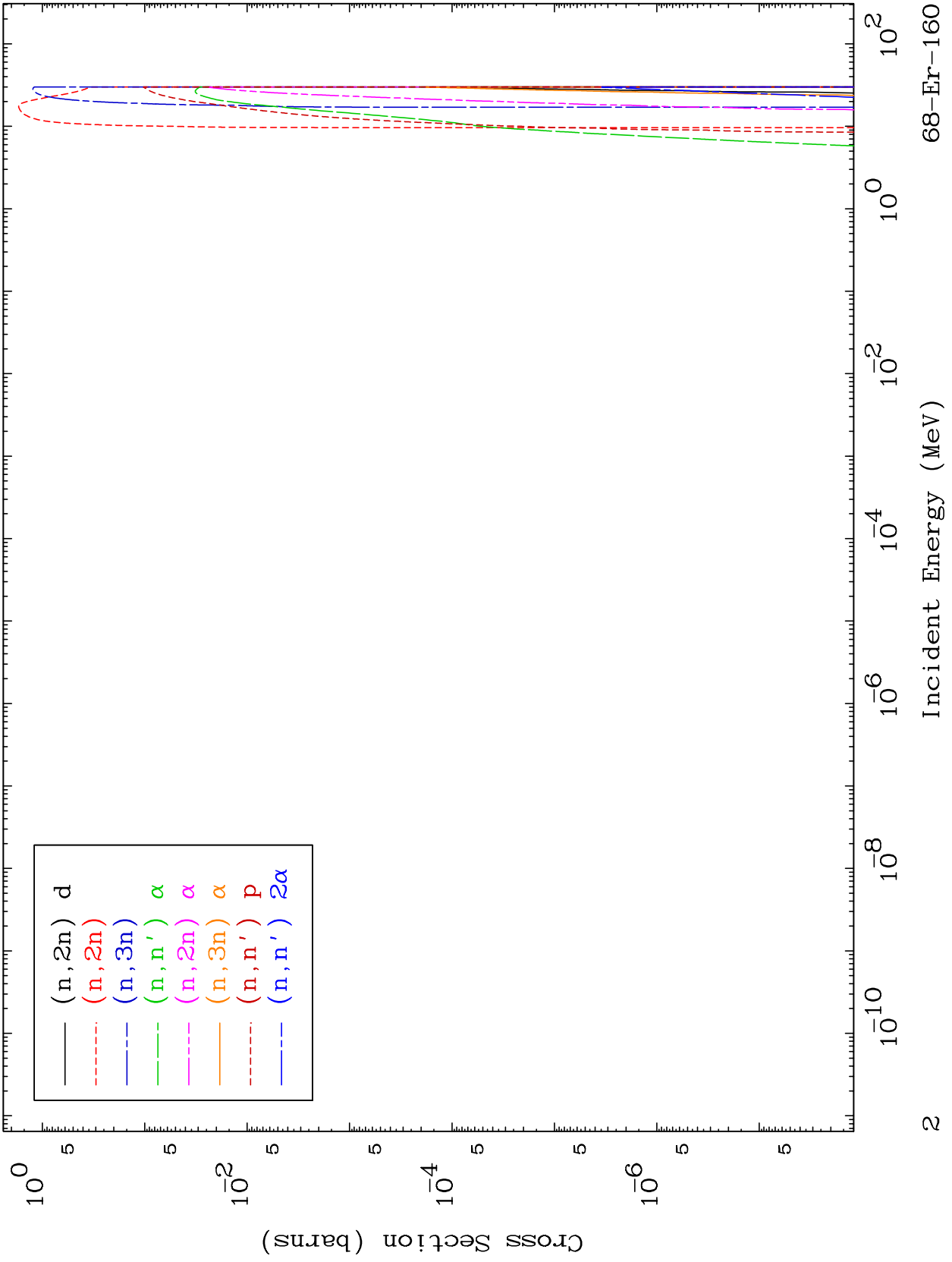
68-Er-160



MAT 6819

Neutron Absorption
293 Kelvin Cross Sections

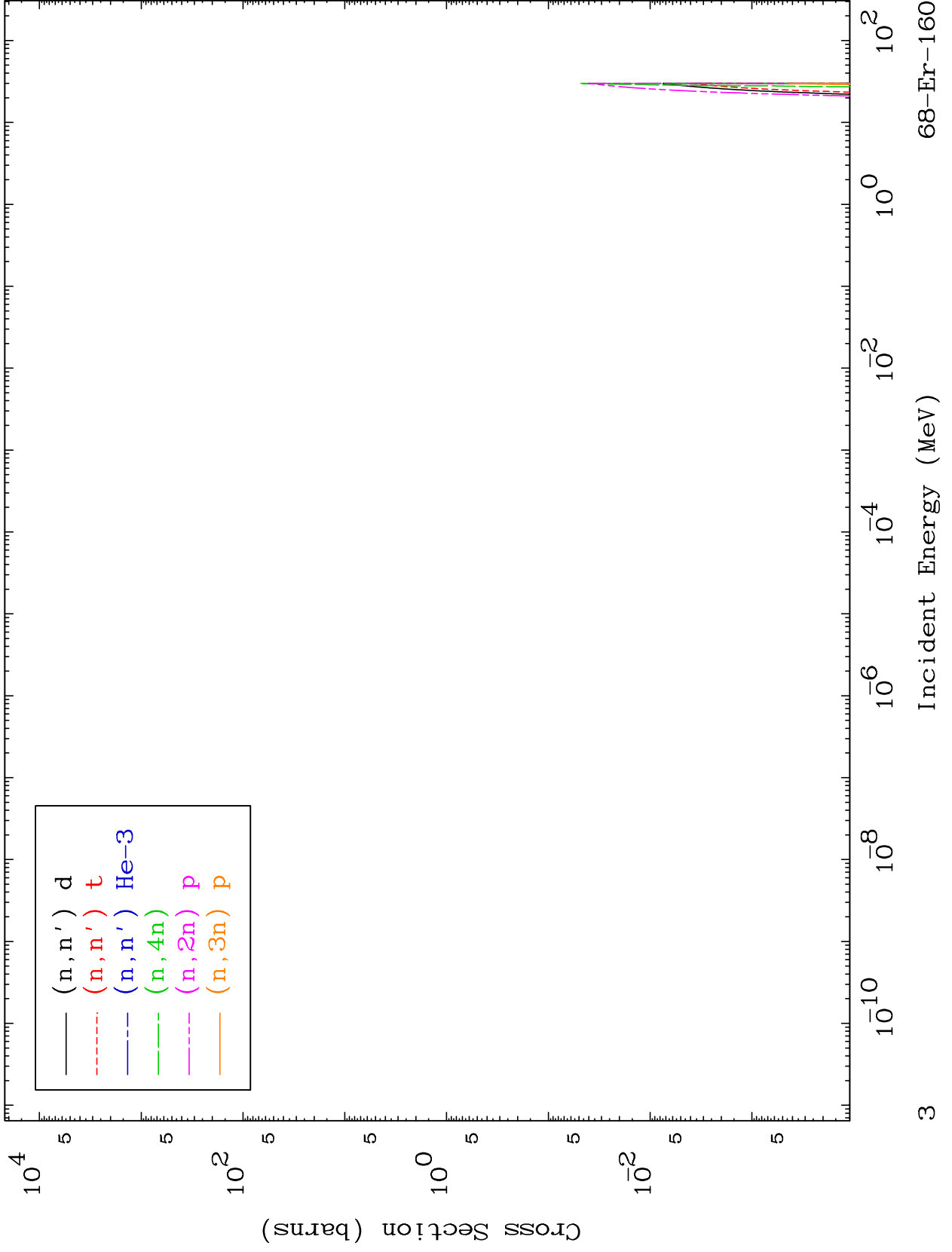
68-Er-160



MAT 6819

Neutron Absorption
293 Kelvin Cross Sections

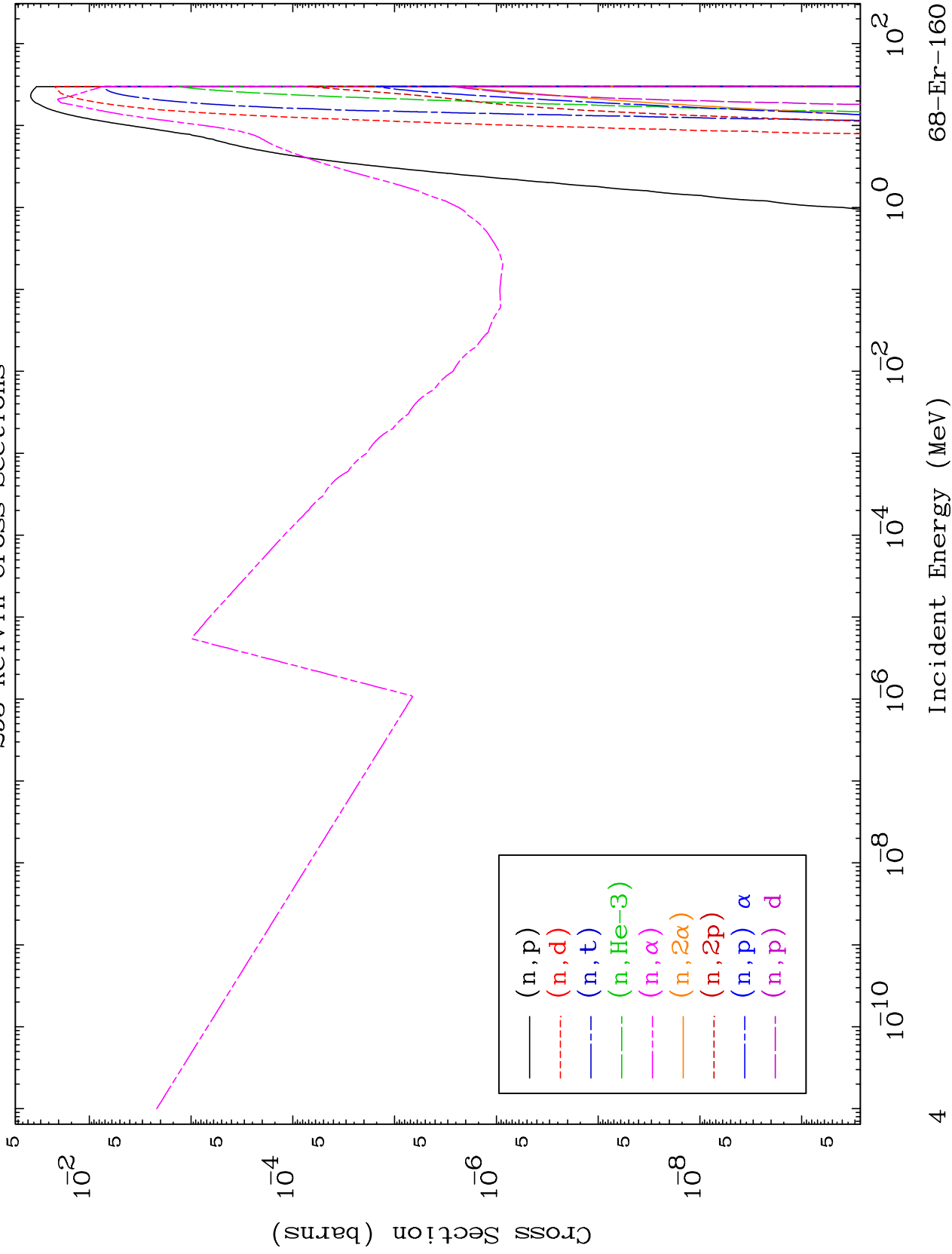
68-Er-160

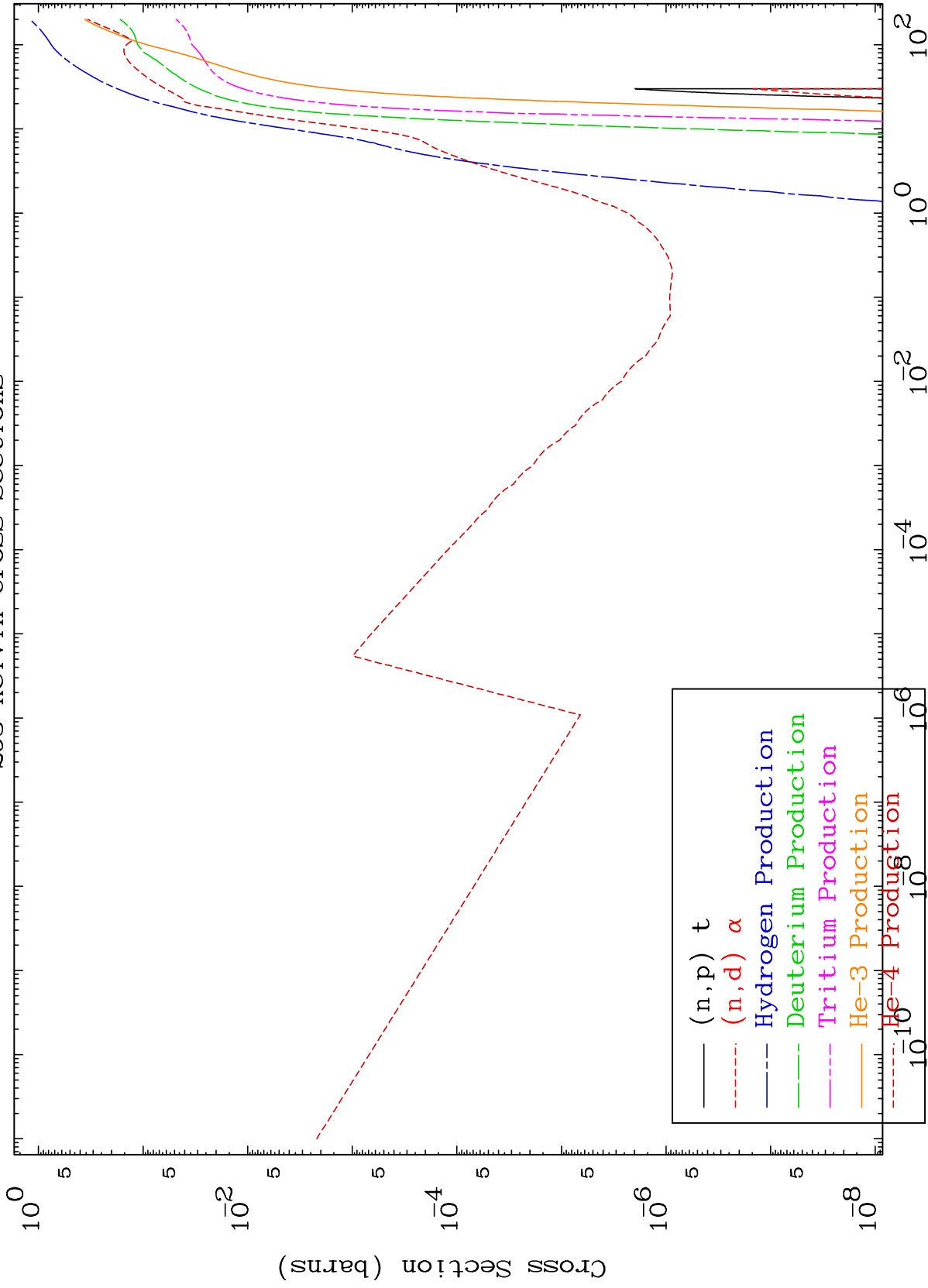


MAT 6819

Neutron Absorption
293 Kelvin Cross Sections

68-Er-160

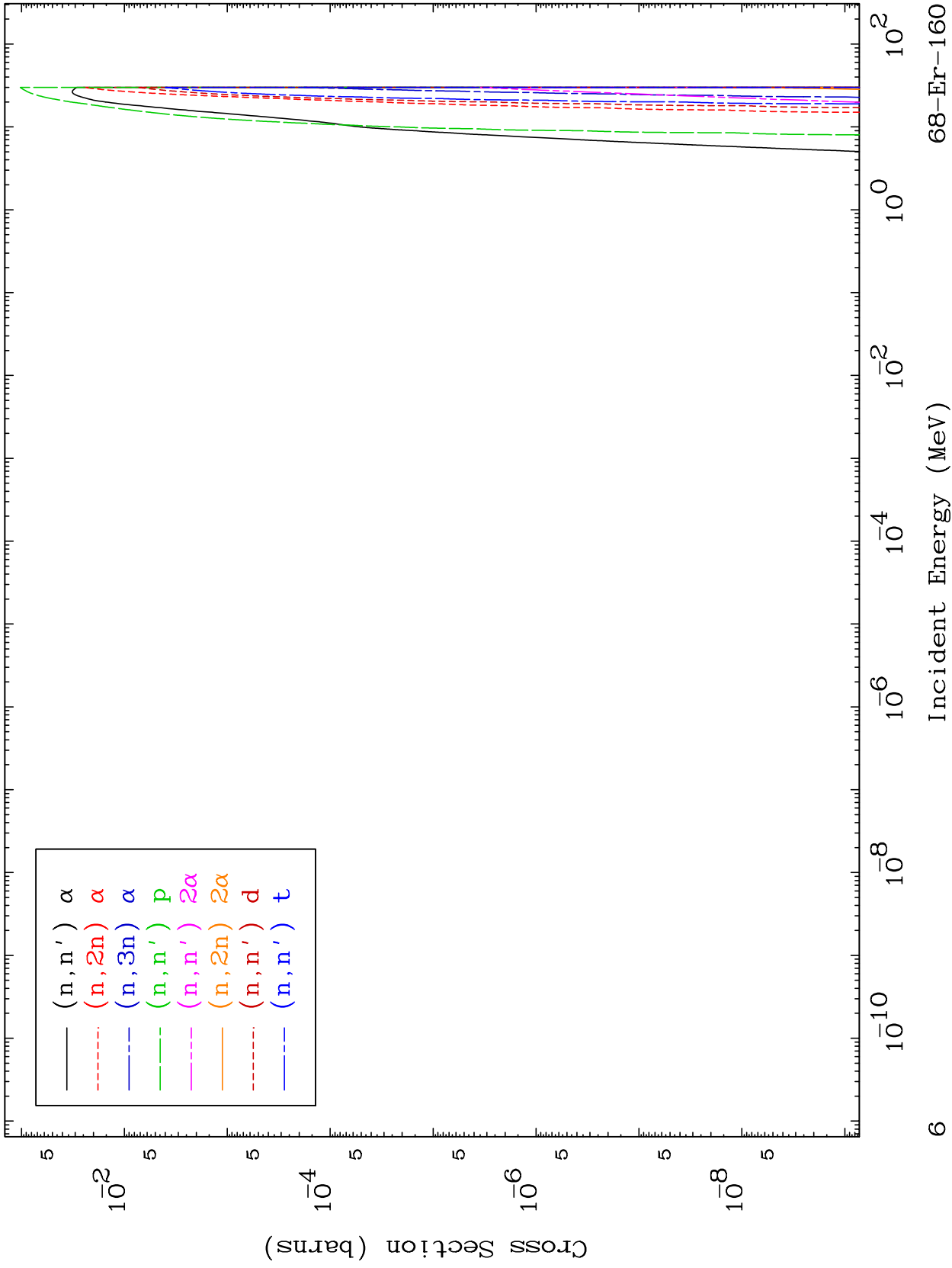




MAT 6819

Charged Particle
293 Kelvin Cross Sections

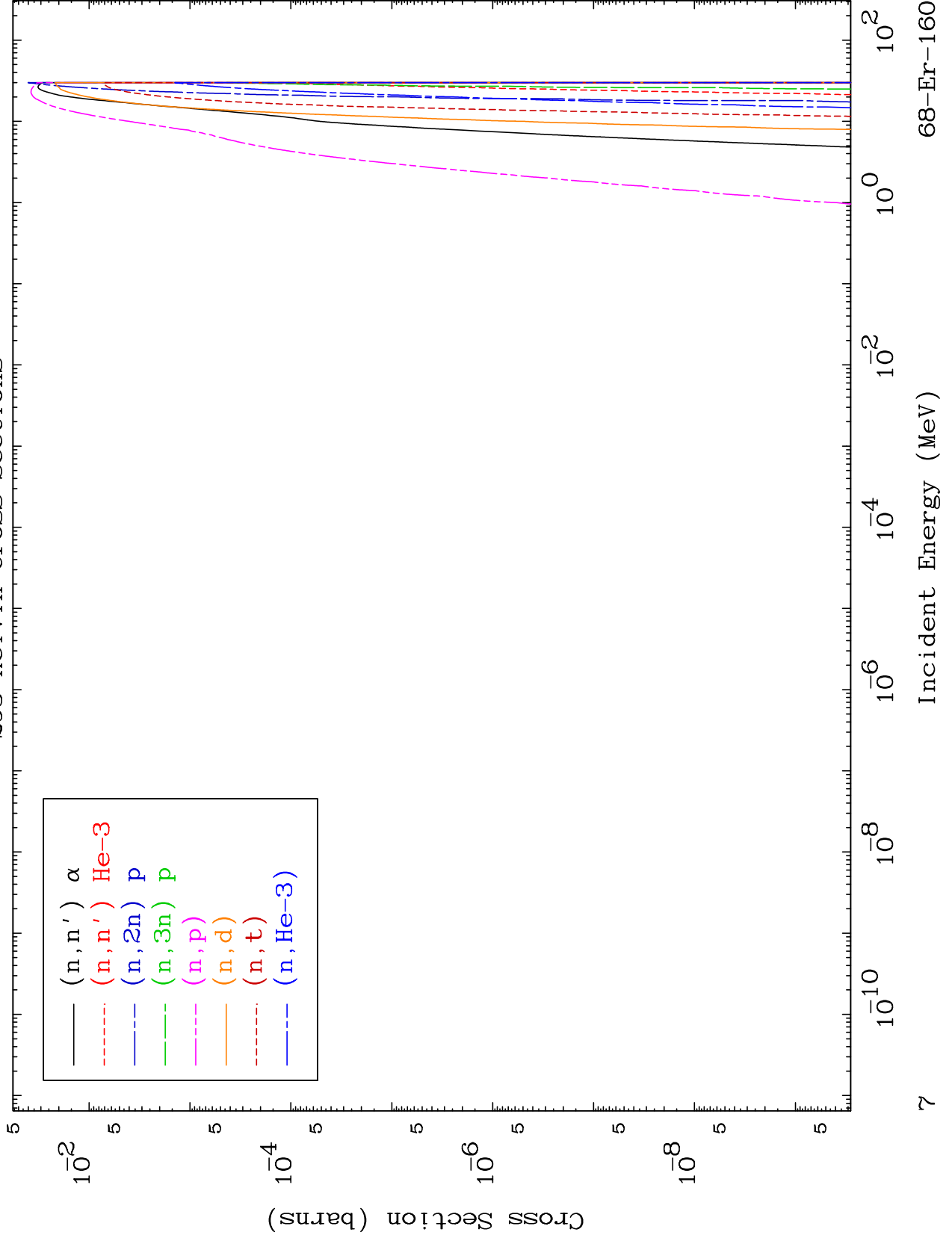
68-Er-160



MAT 6819

Charged Particle
293 Kelvin Cross Sections

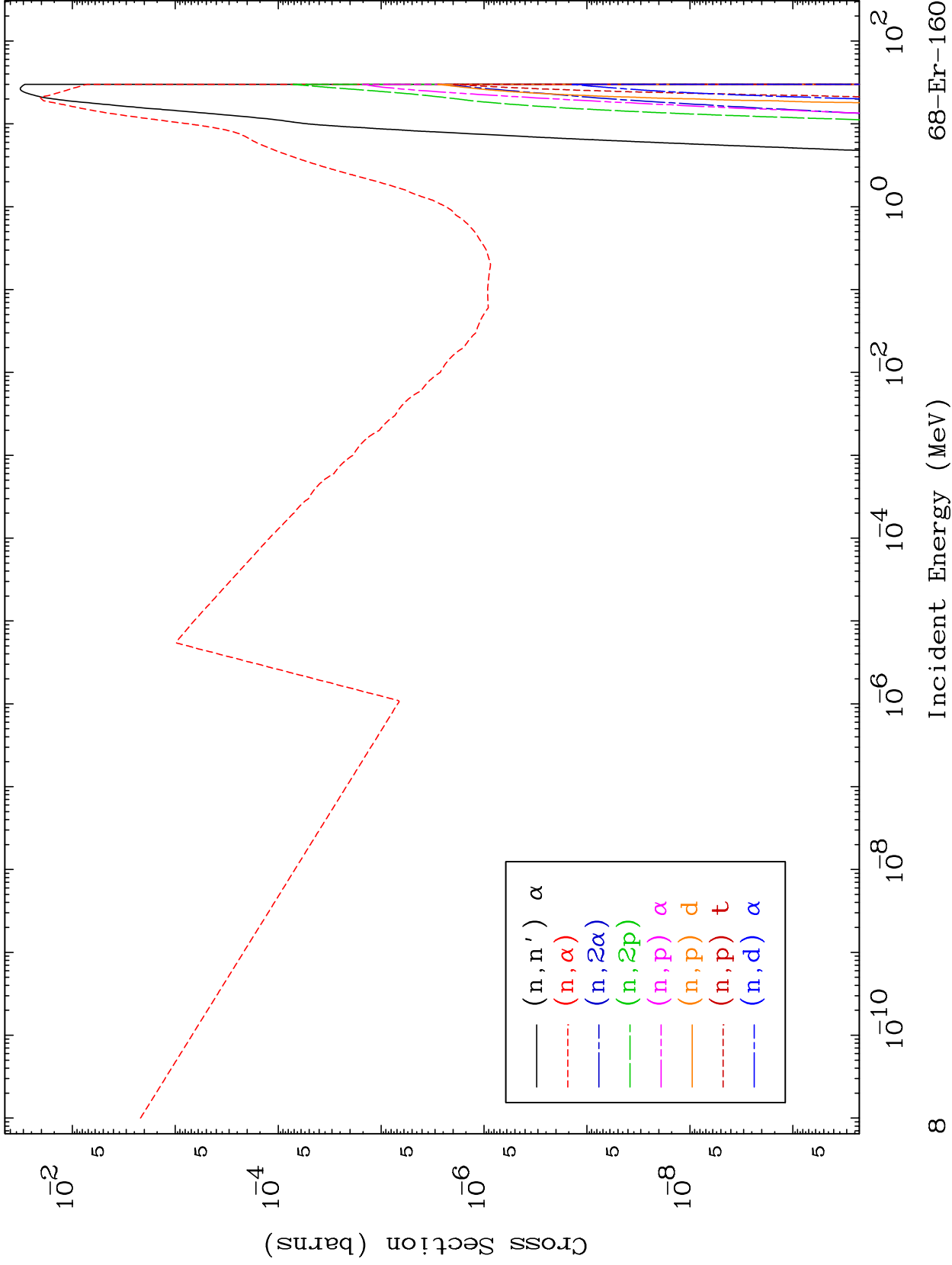
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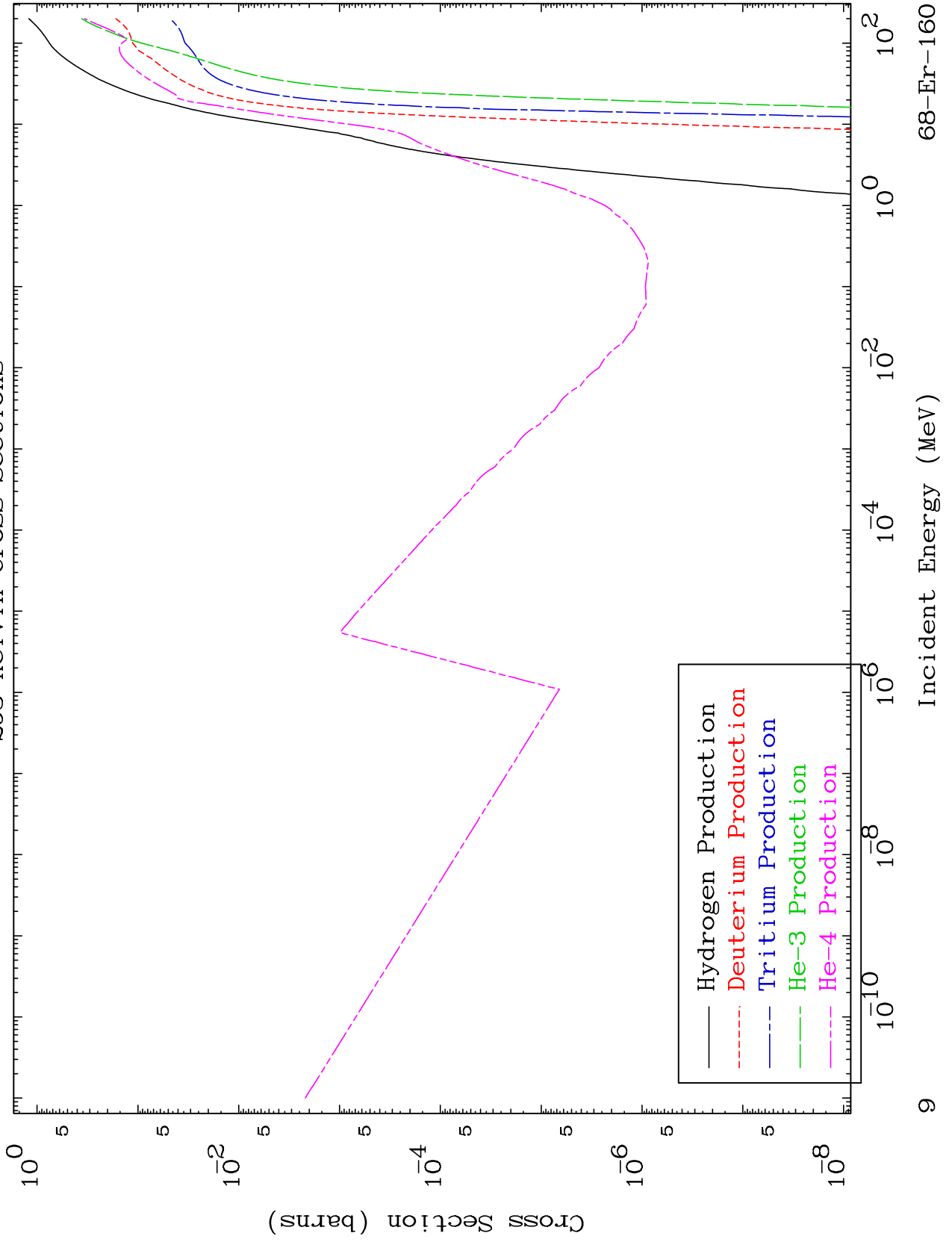


MAT 6819

Charged Particle
293 Kelvin Cross Sections

68-Er-160



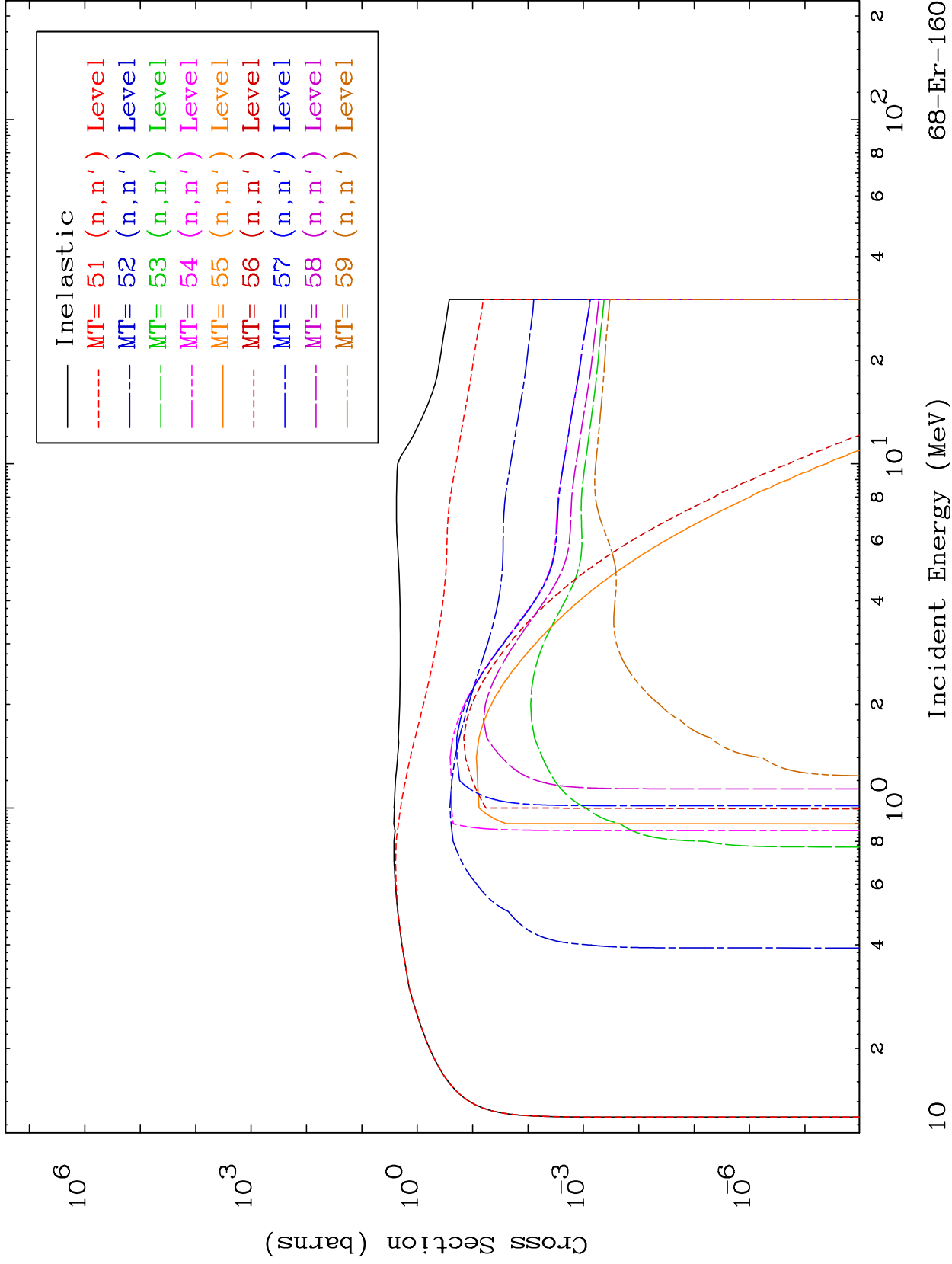


MAT 6819

(n,n') Levels

68-Er-160

293 Kelvin Cross Sections

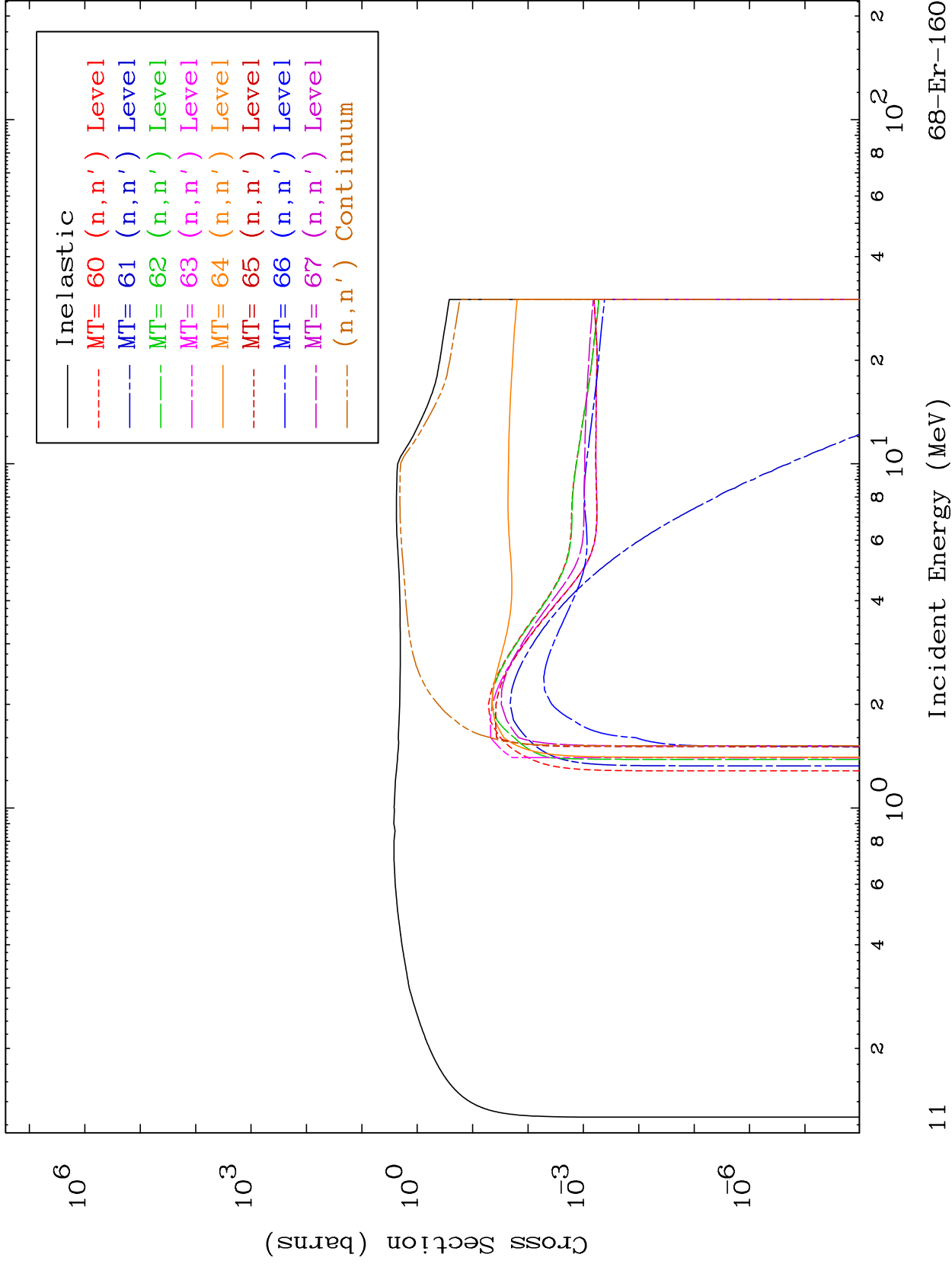


10

Incident Energy (MeV)

68-Er-160

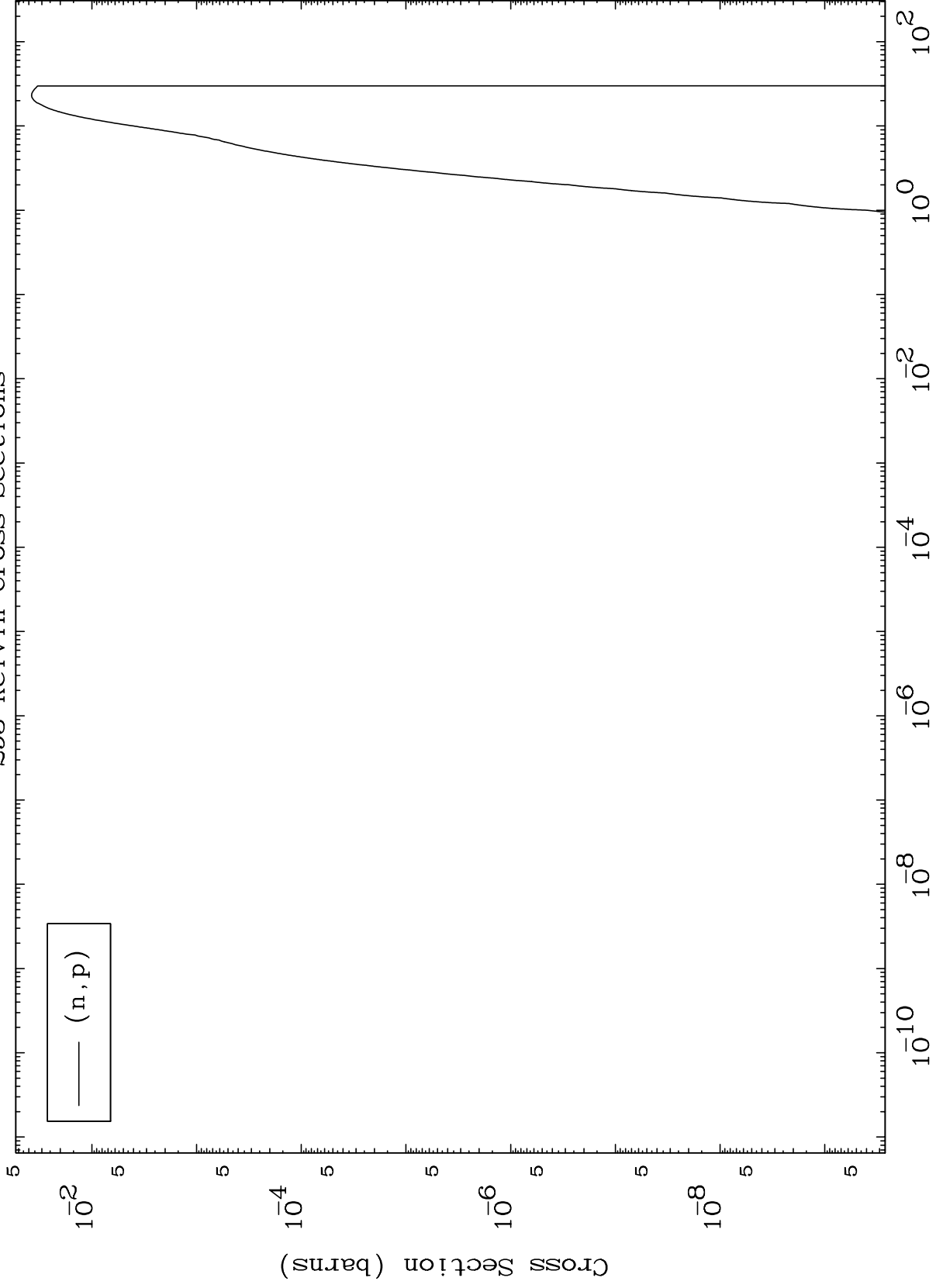
293 Kelvin Cross Sections



MAT 6819

(n,p) Levels
293 Kelvin Cross Sections

68-Er-160



12

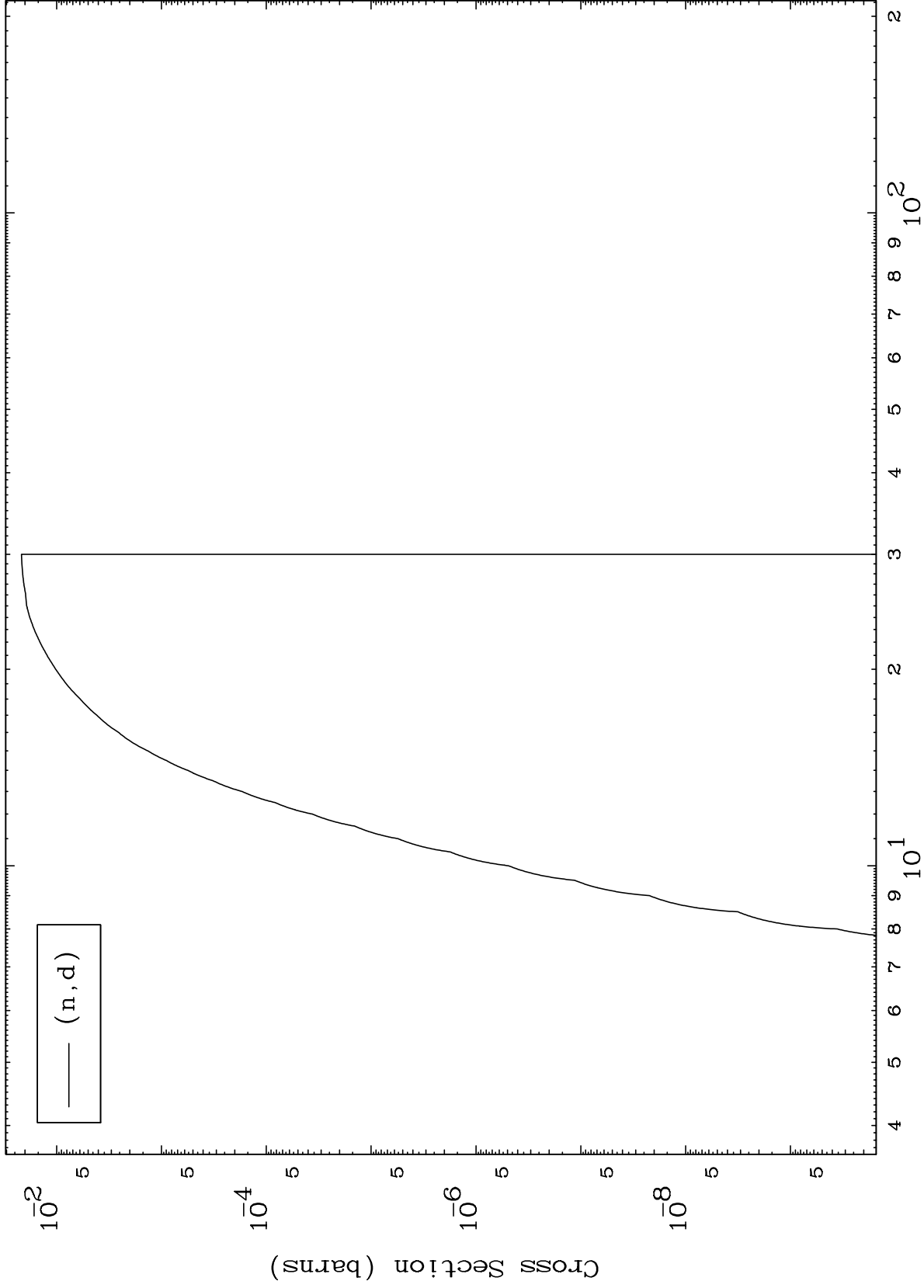
Incident Energy (MeV)

68-Er-160

MAT 6819

(n,d) Levels
293 Kelvin Cross Sections

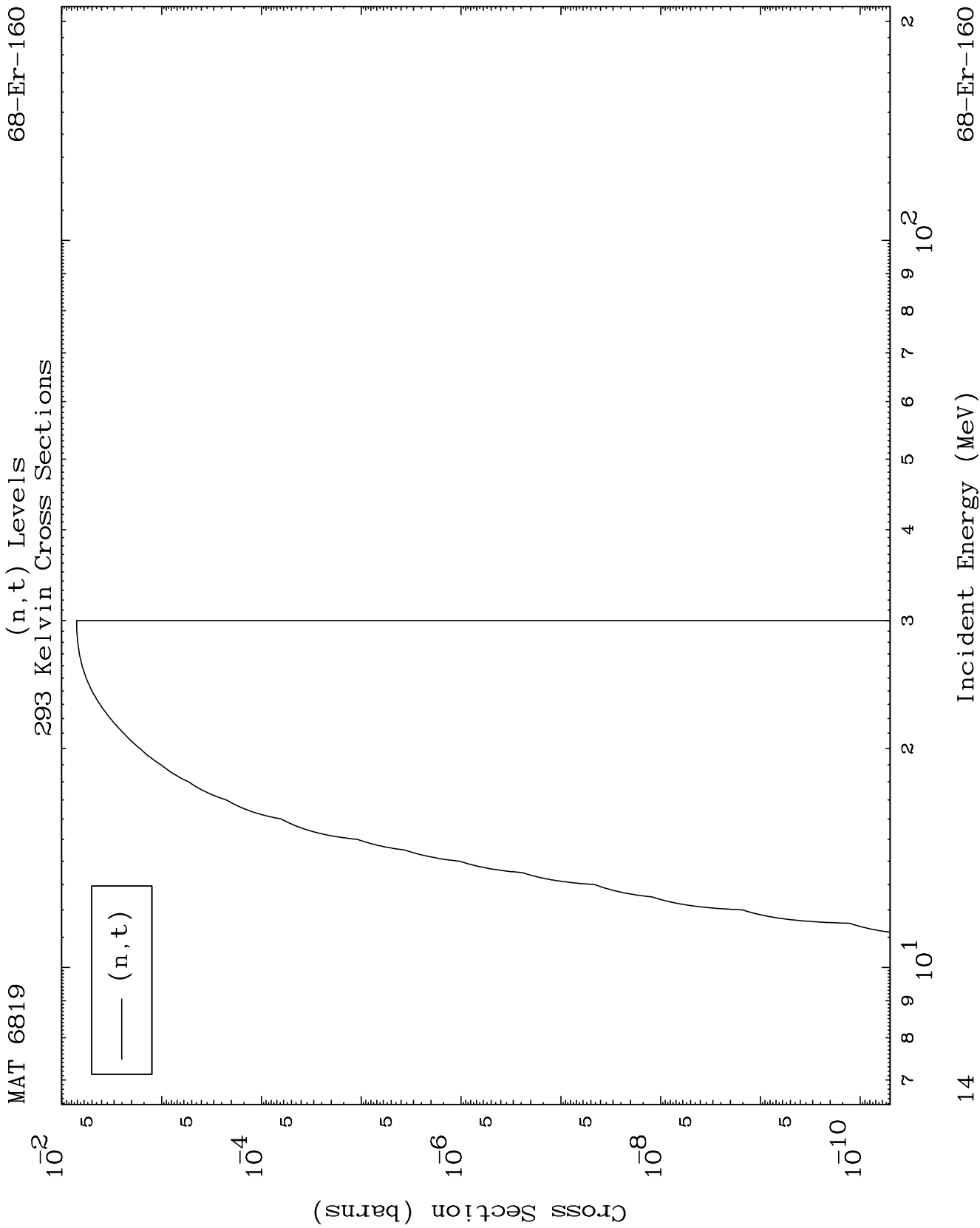
68-Er-160



13

Incident Energy (MeV)

68-Er-160



(n,t)

Cross Section (barns)

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

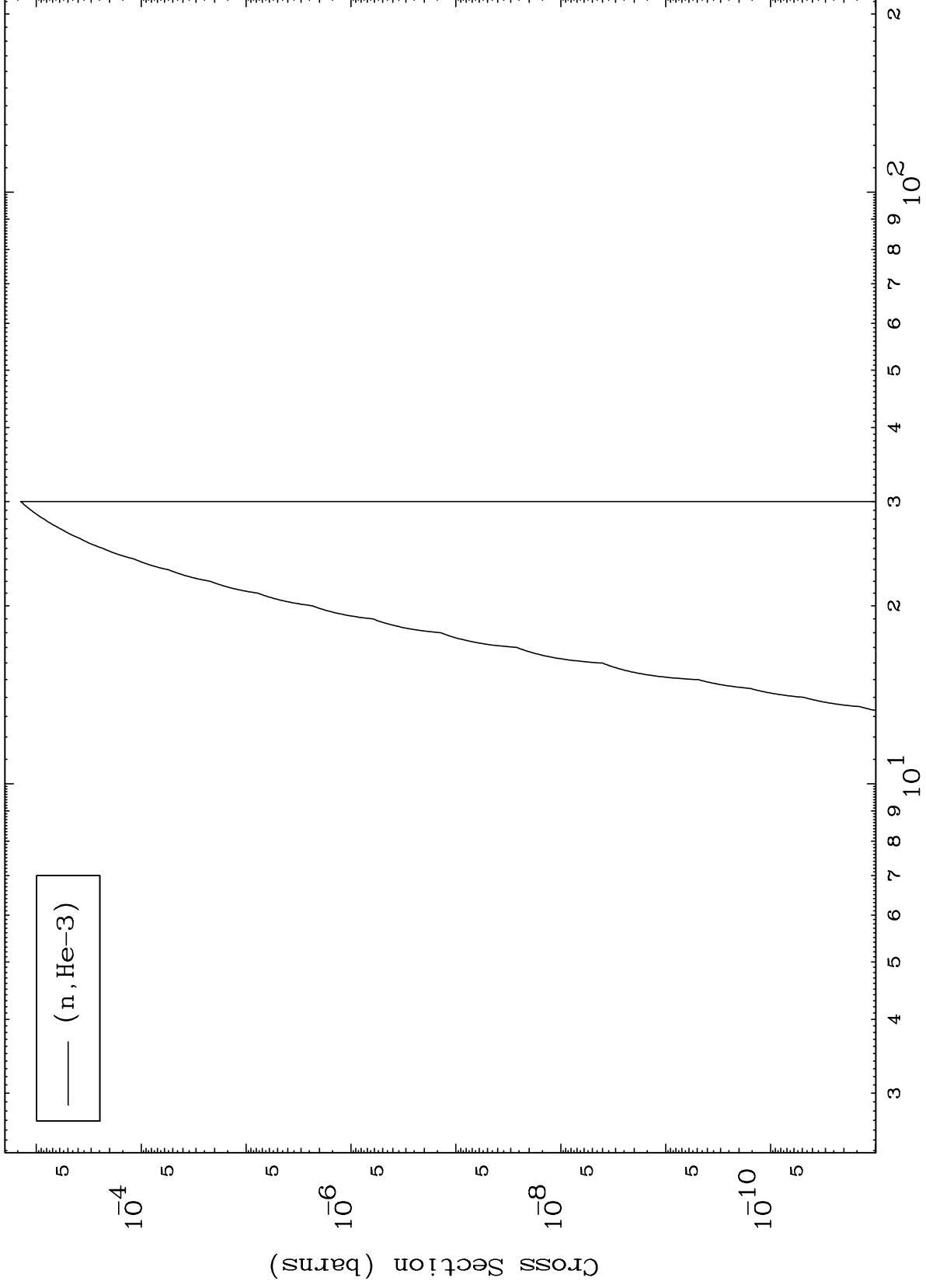
10¹

10²

MAT 6819

(n,He3) Levels
293 Kelvin Cross Sections

68-Er-160



15

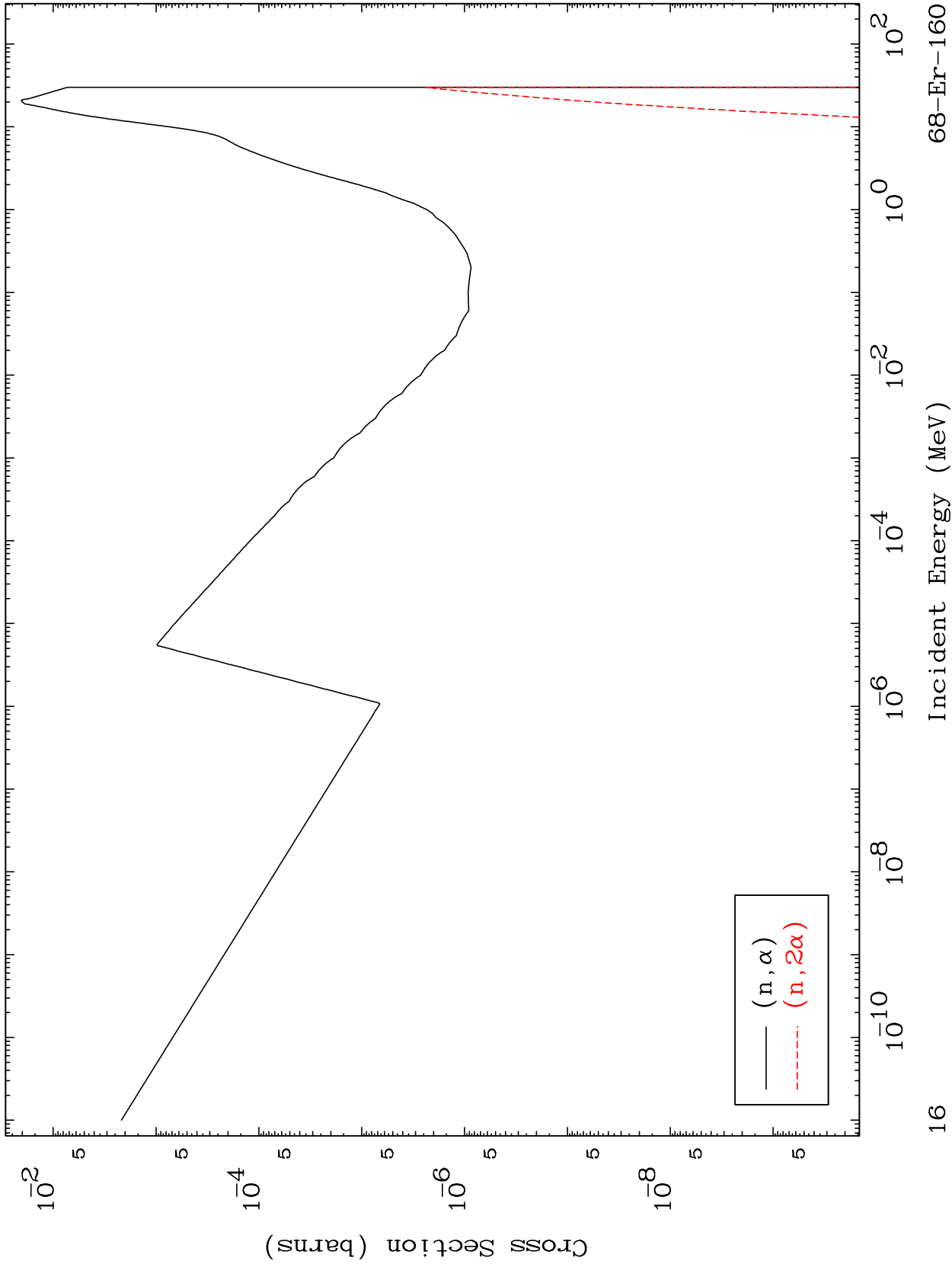
Incident Energy (MeV)

68-Er-160

MAT 6819

(n, α) Levels
293 Kelvin Cross Sections

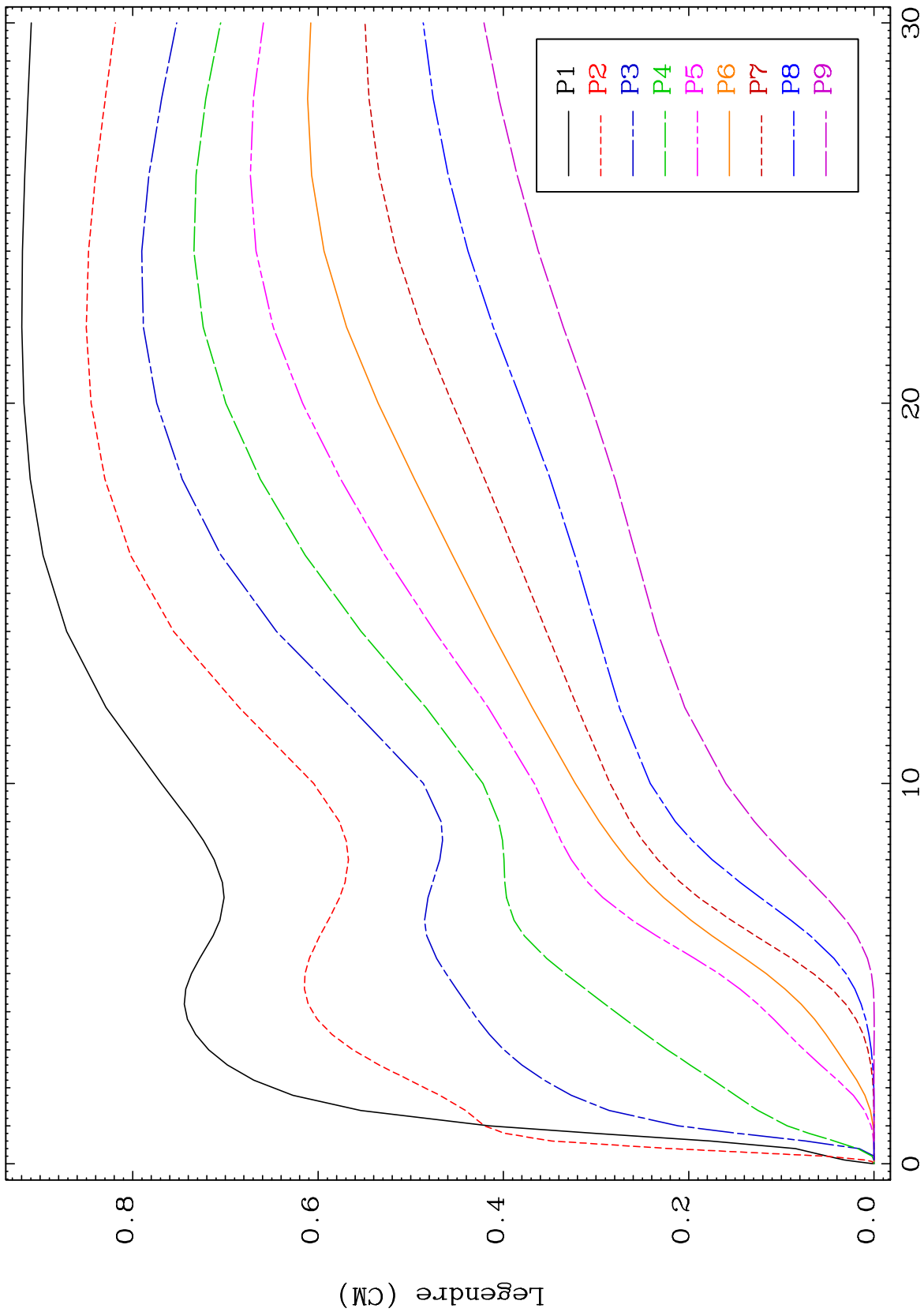
68-Er-160



MAT 6819

68-Er-160

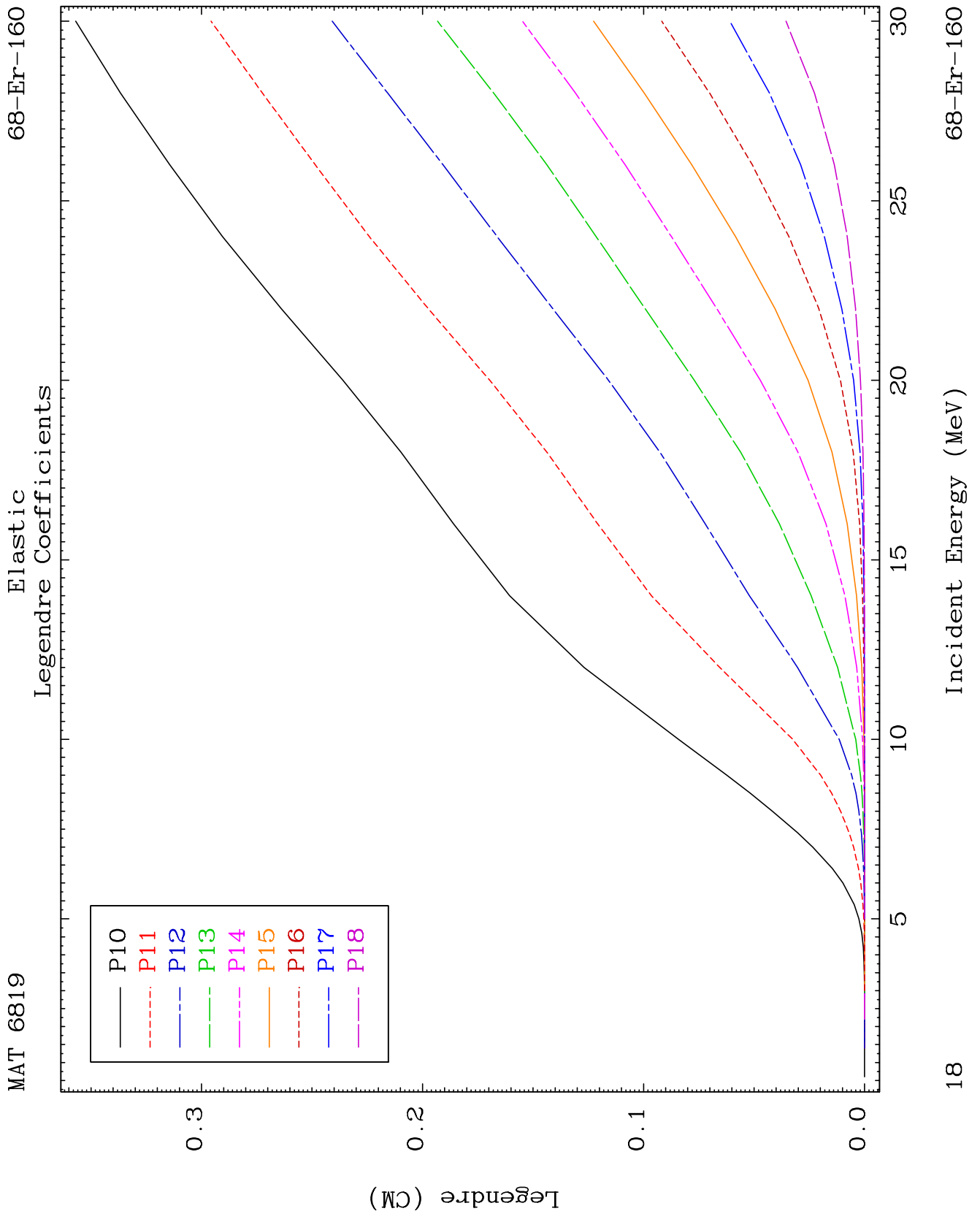
Elastic Legendre Coefficients



17

Incident Energy (MeV)

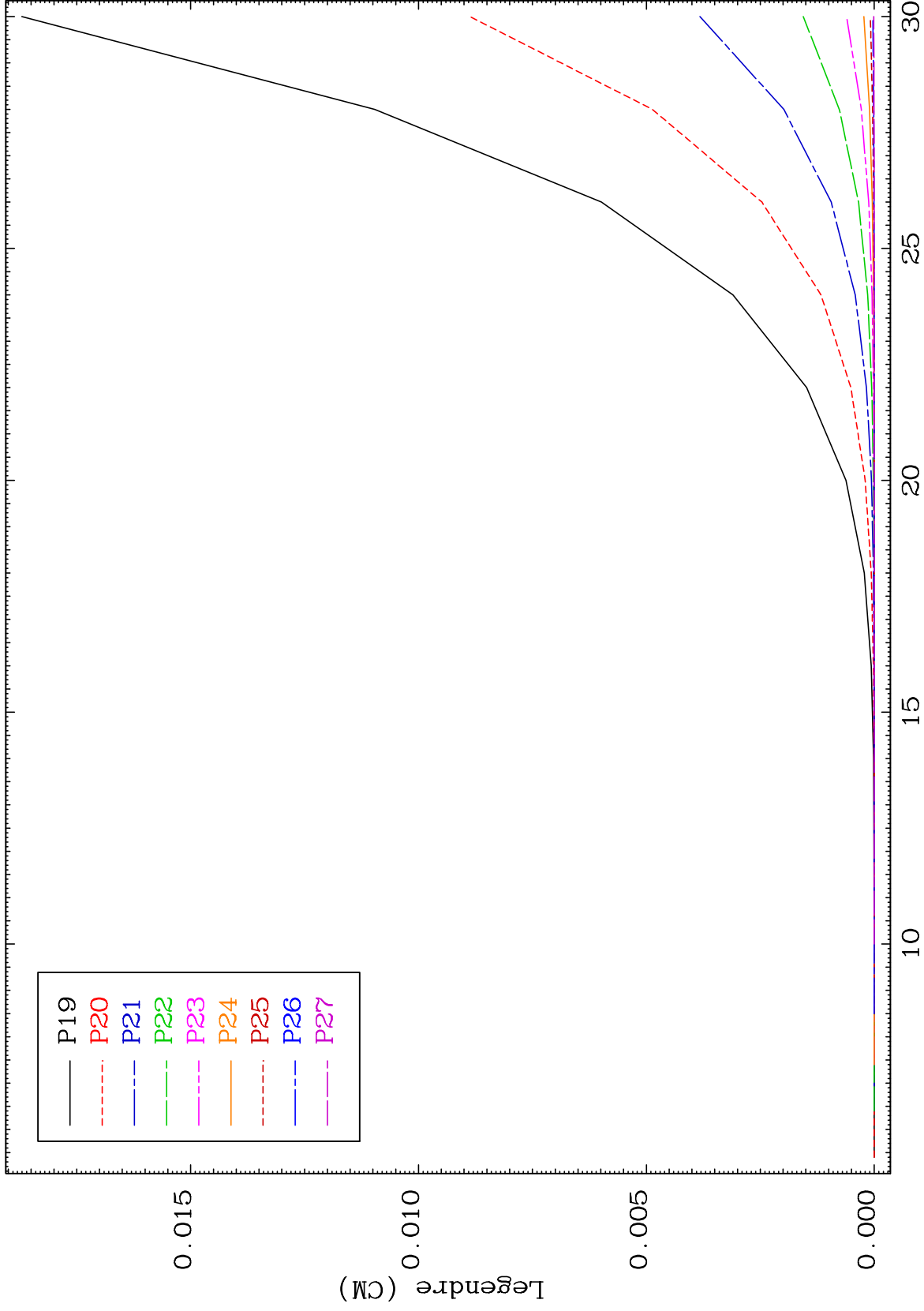
68-Er-160



MAT 6819

Elastic
Legendre Coefficients

68-Er-160



19

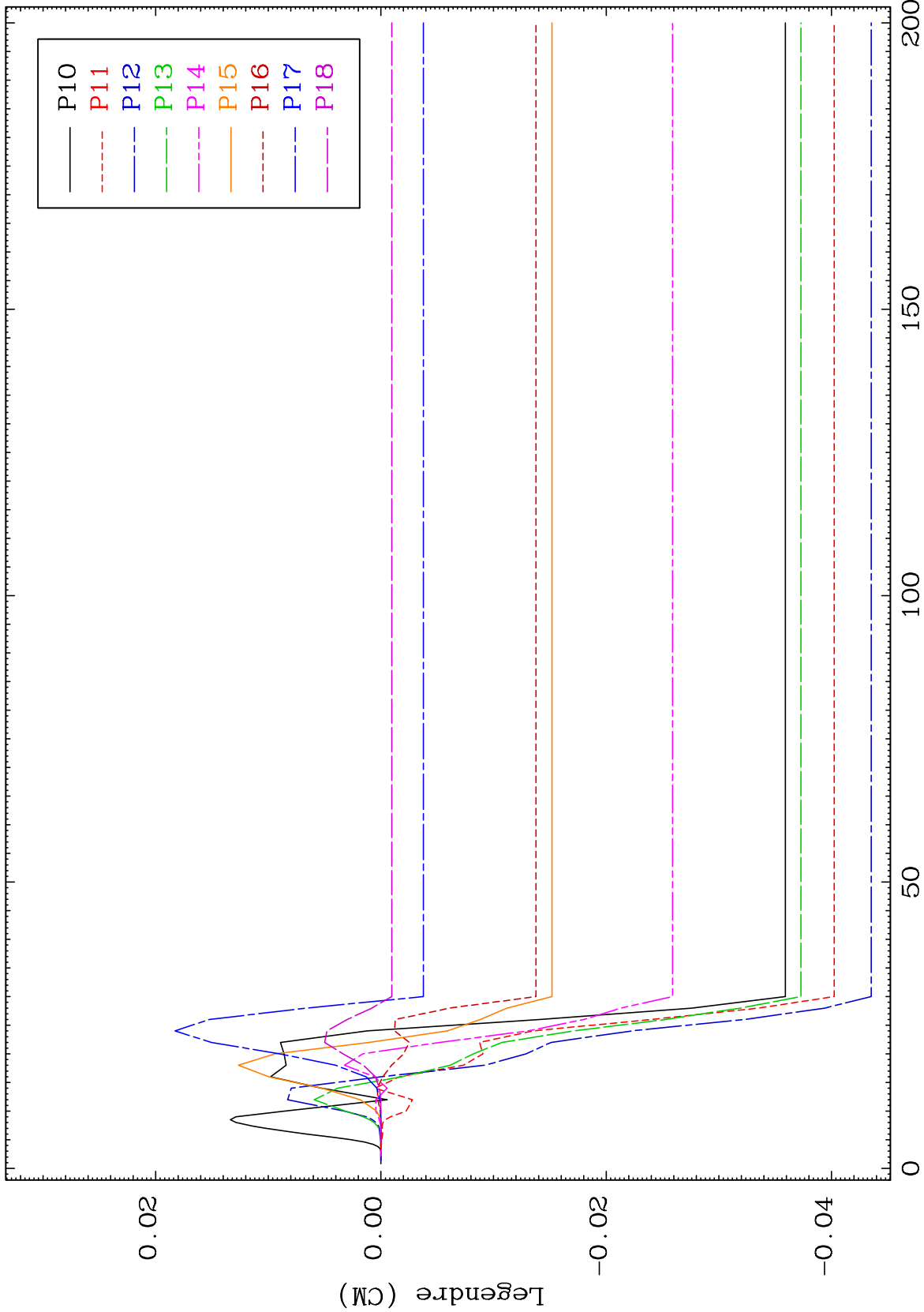
Incident Energy (MeV)

68-Er-160

MAT 6819

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

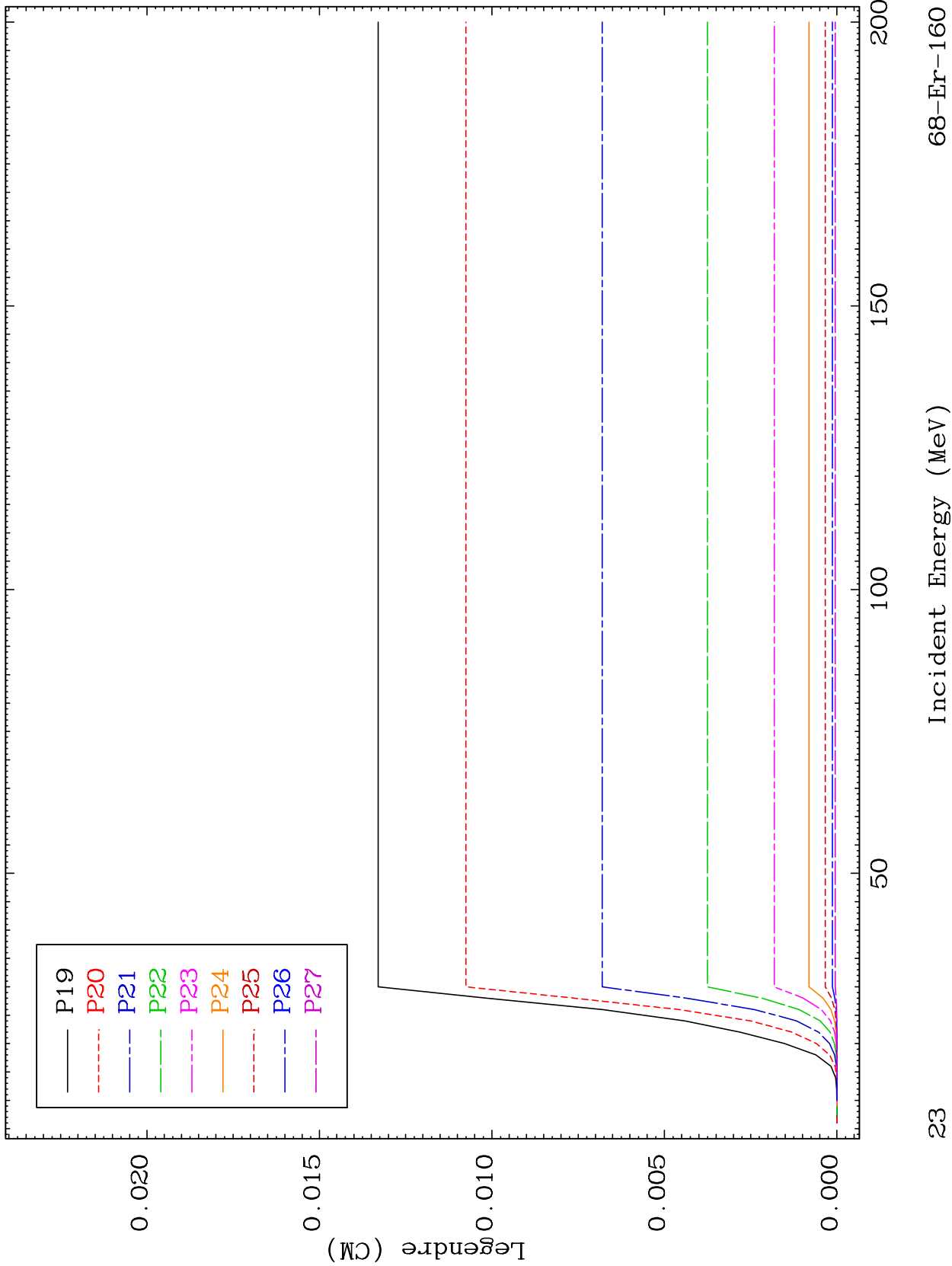
68-Er-160



22

Incident Energy (MeV)

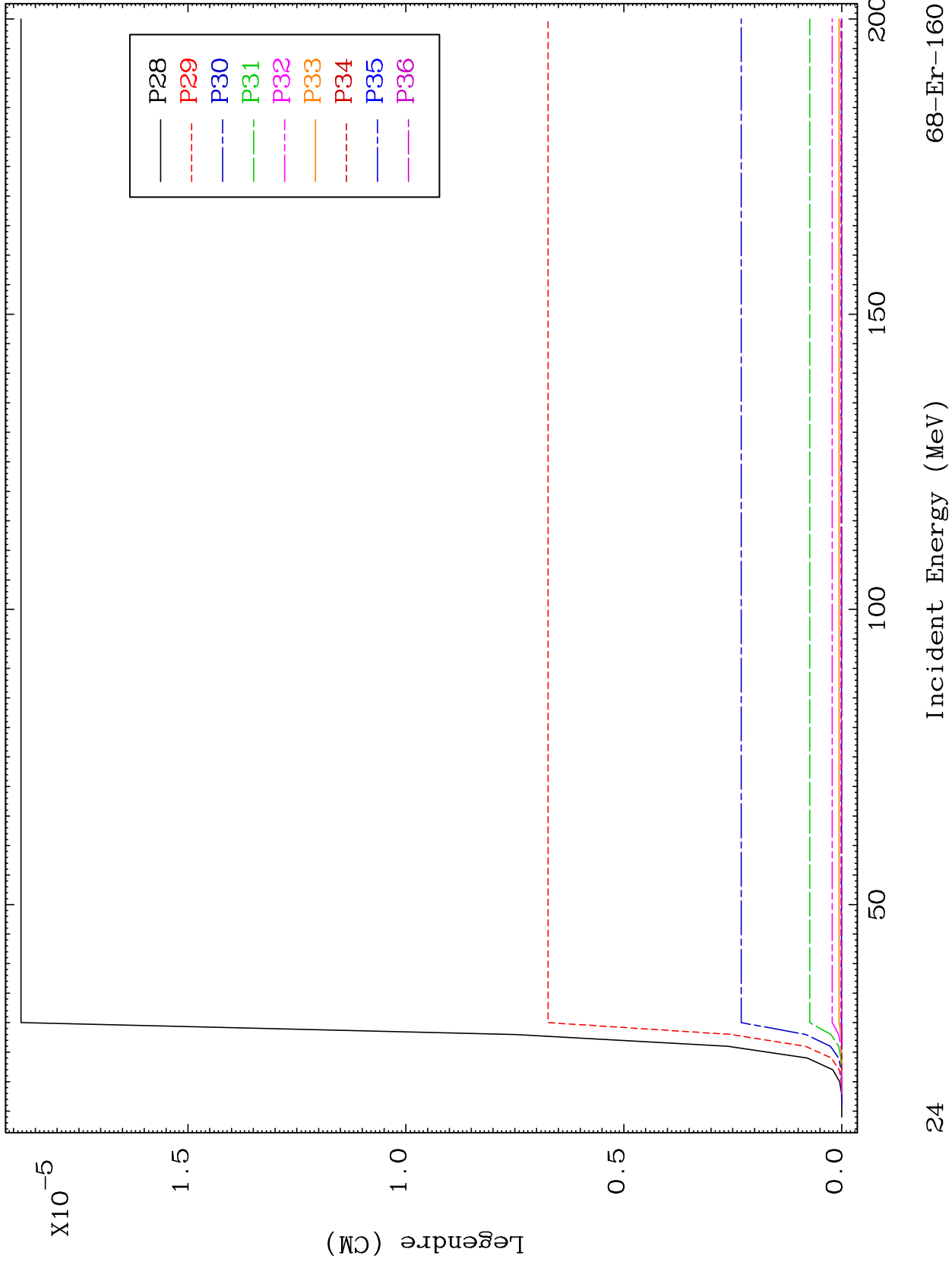
68-Er-160



MAT 6819

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

68-Er-160



24

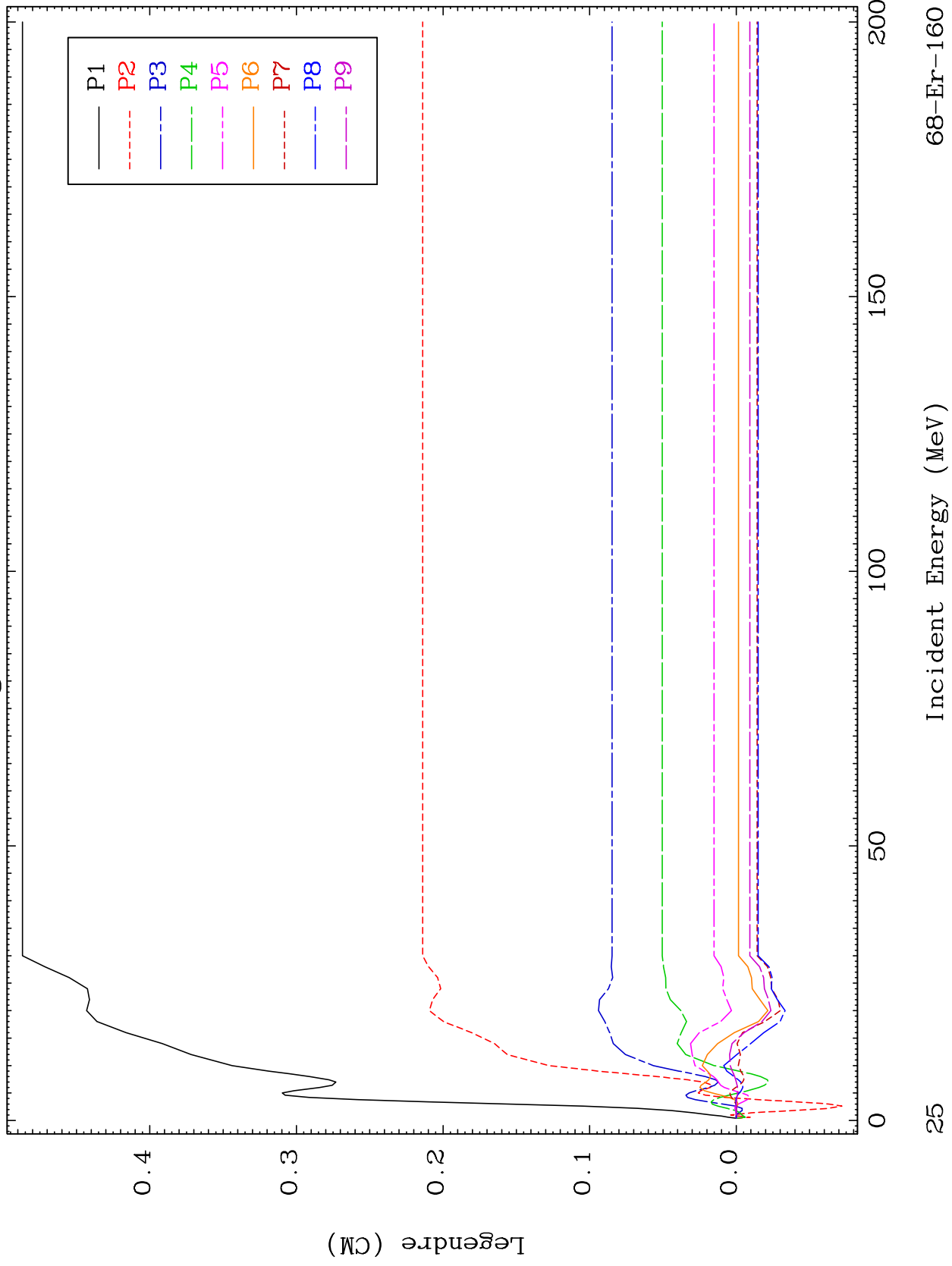
Incident Energy (MeV)

68-Er-160

MAT 6819

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

68-Er-160



68-Er-160

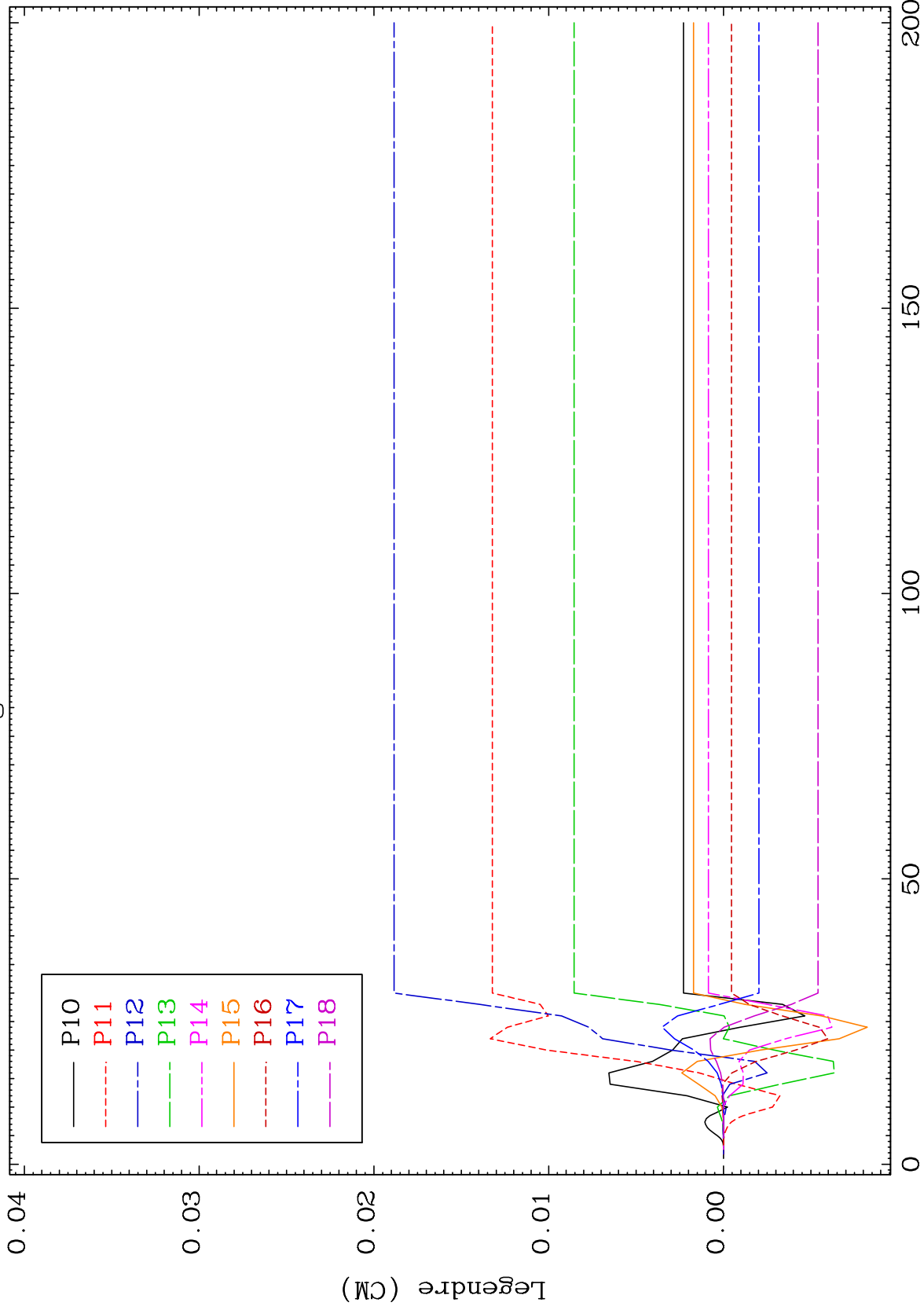
Incident Energy (MeV)

25

MAT 6819

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

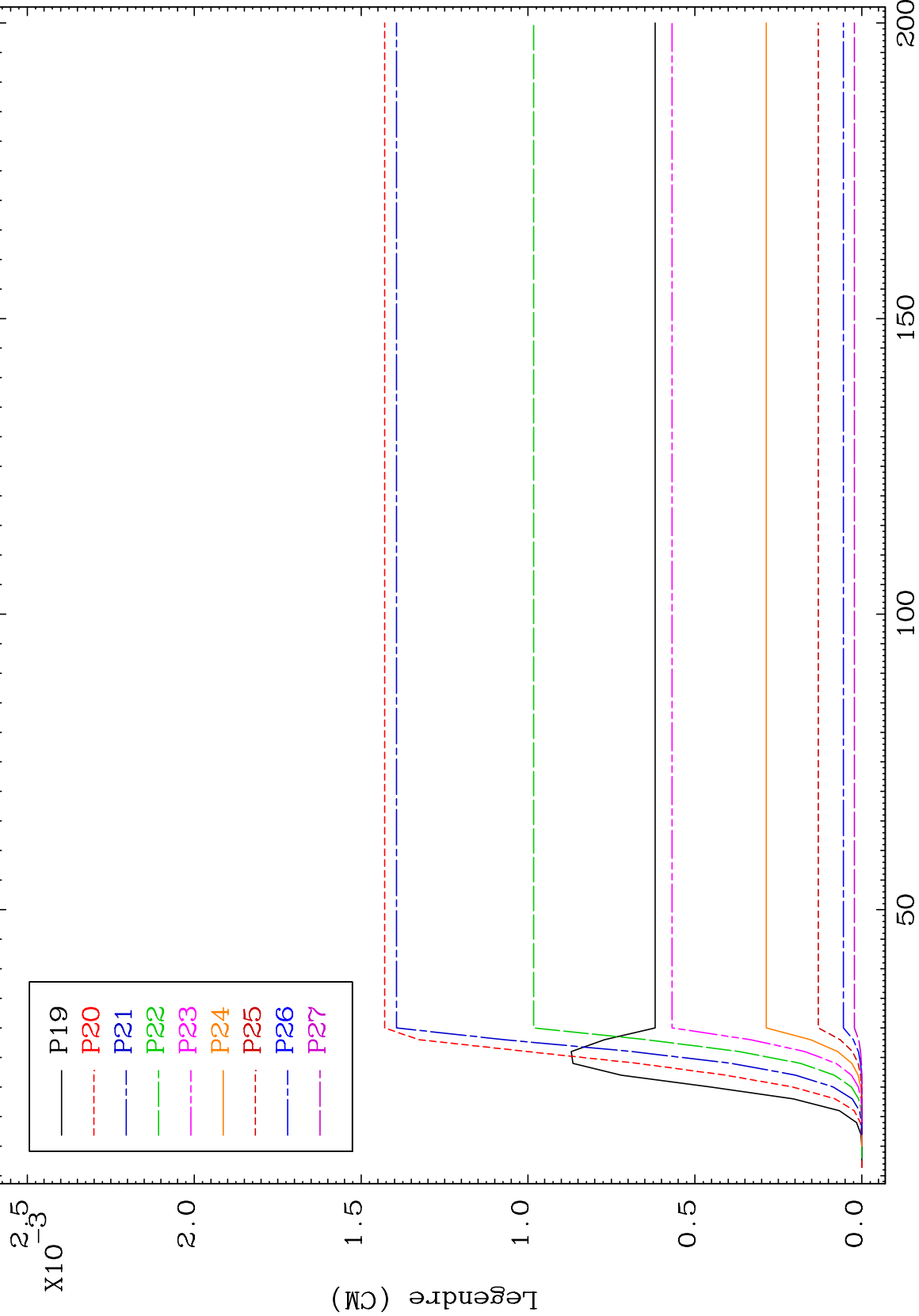
68-Er-160



26

Incident Energy (MeV)

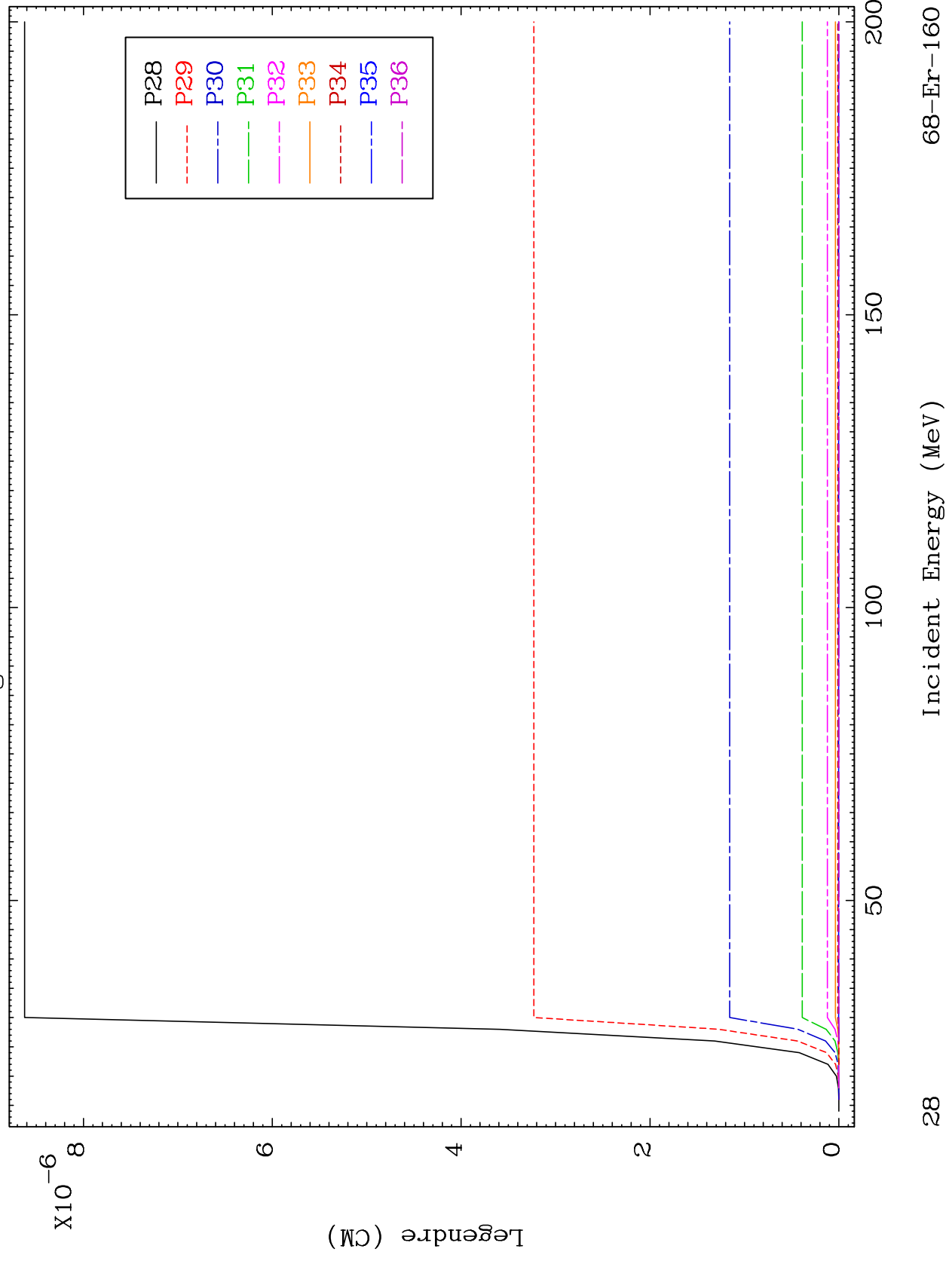
68-Er-160



MAT 6819

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

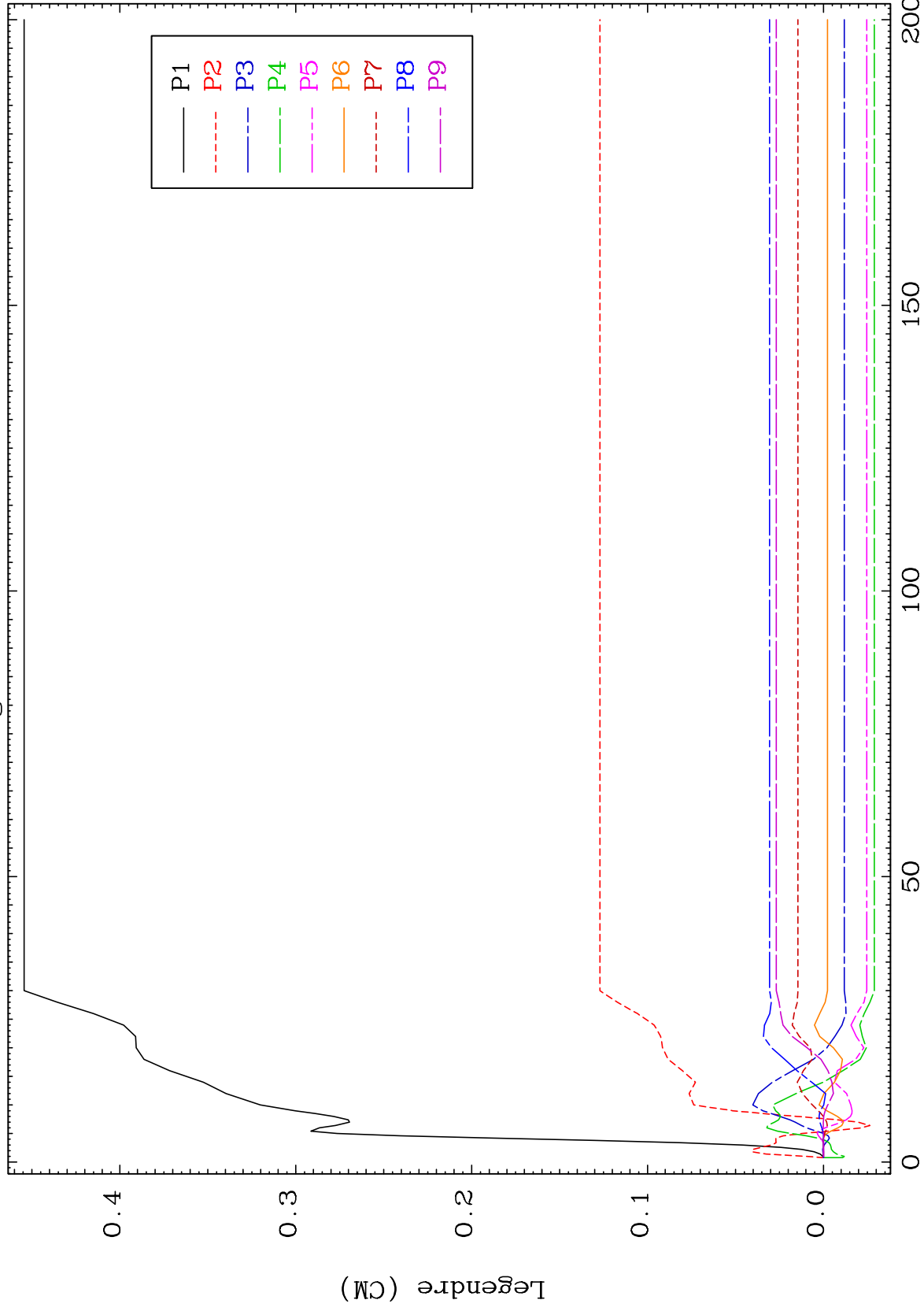
68-Er-160



MAT 6819

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

68-Er-160



29

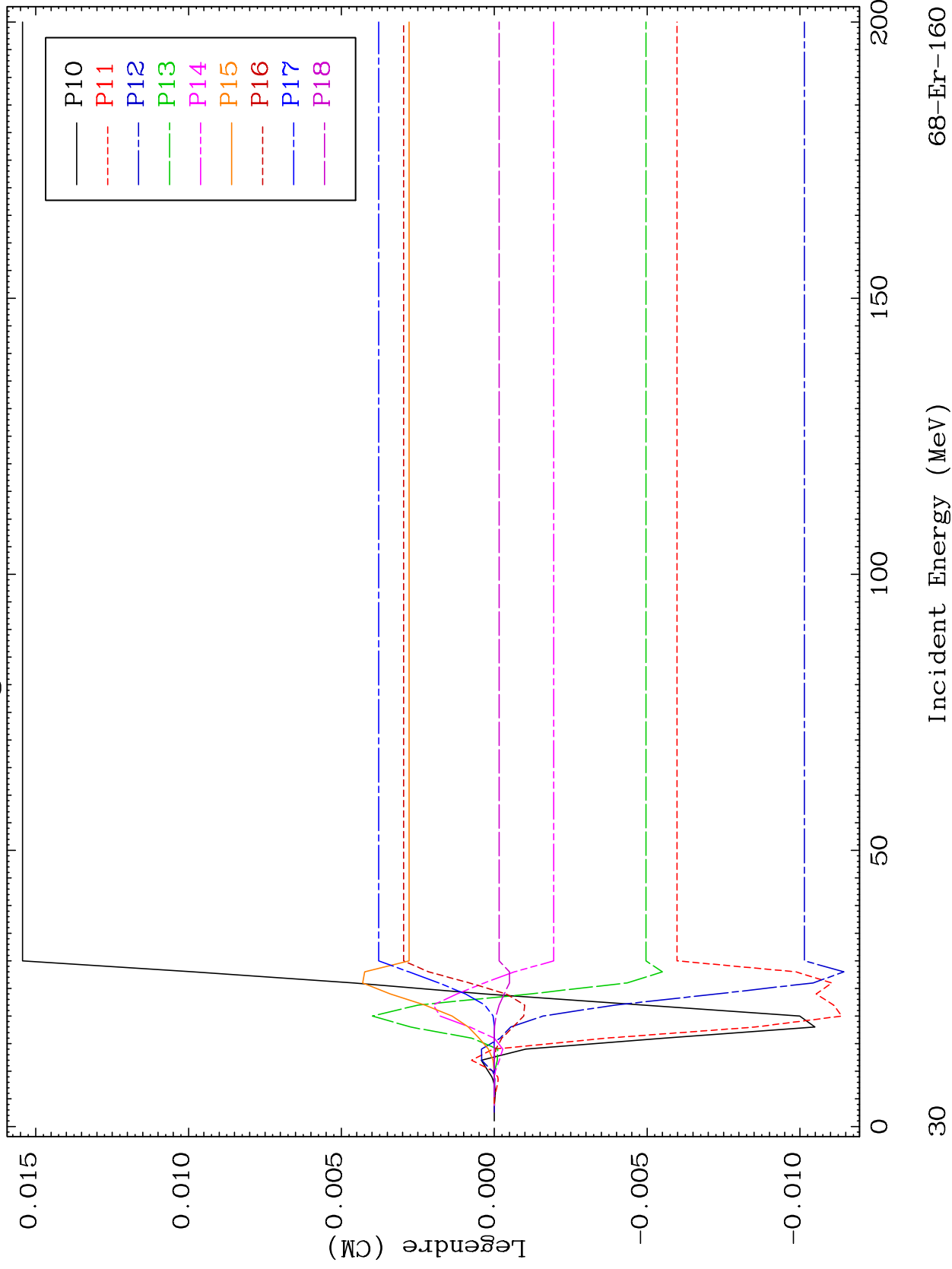
Incident Energy (MeV)

68-Er-160

MAT 6819

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

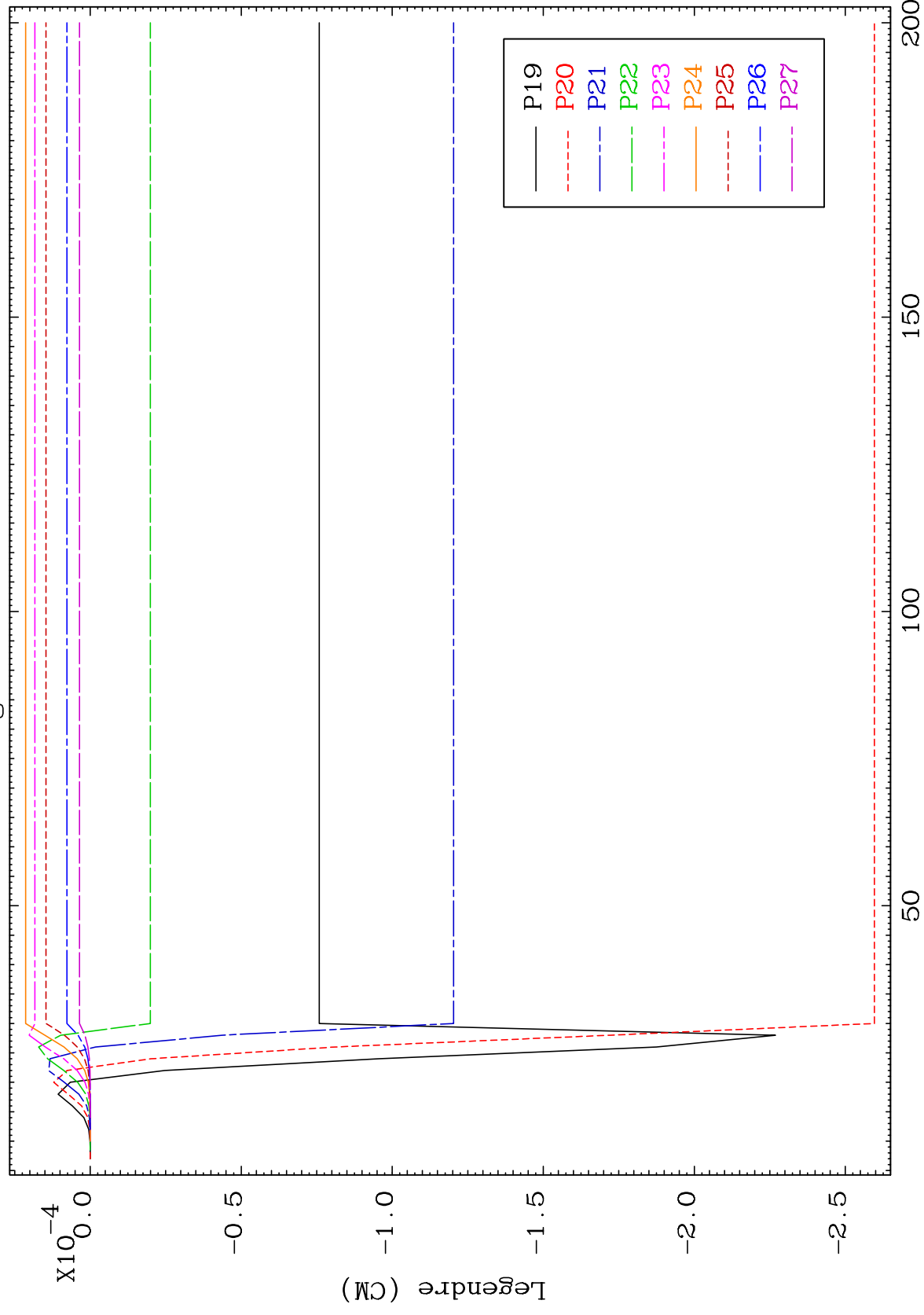
68-Er-160



MAT 6819

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

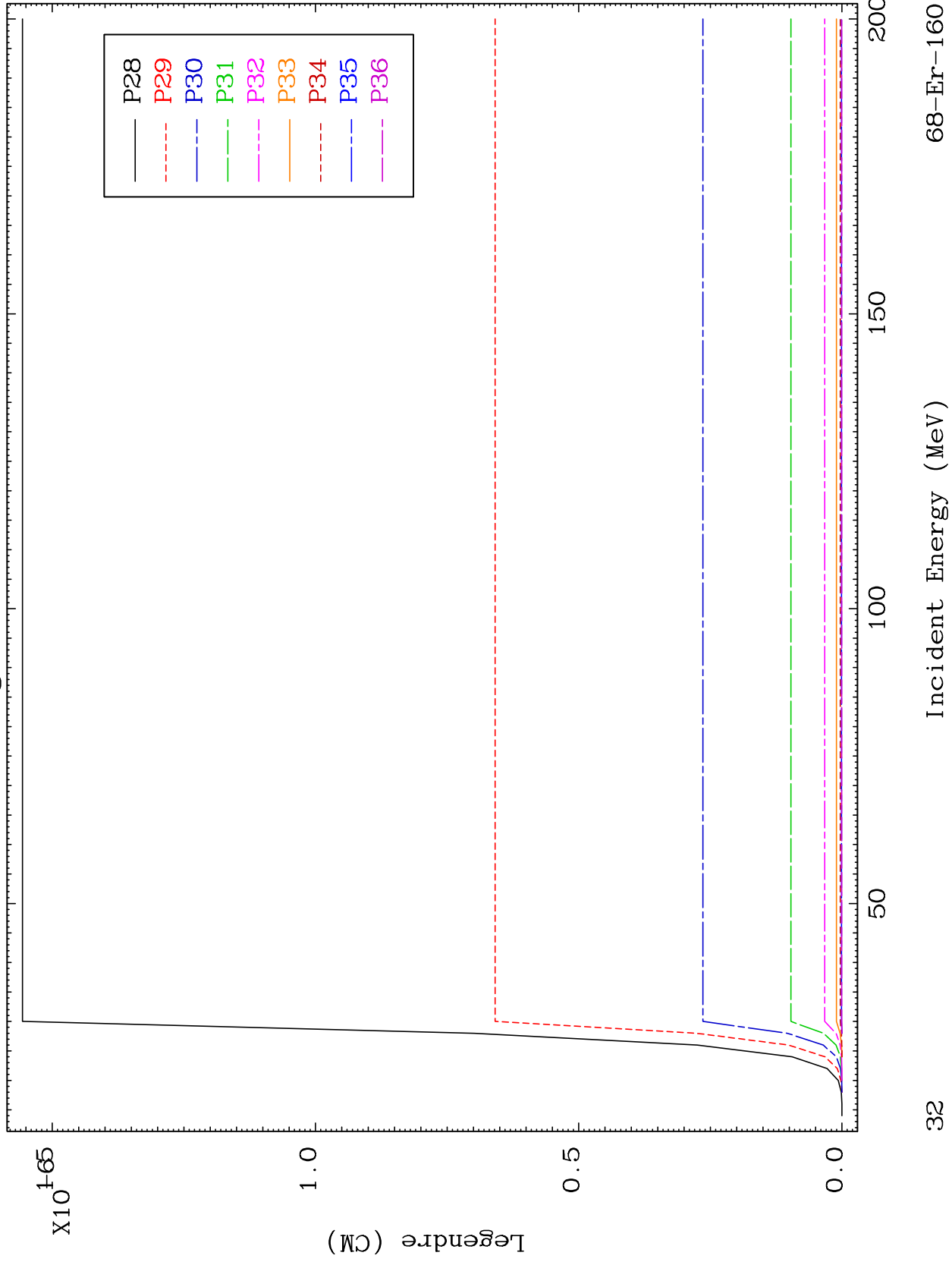
68-Er-160



MAT 6819

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

68-Er-160



32

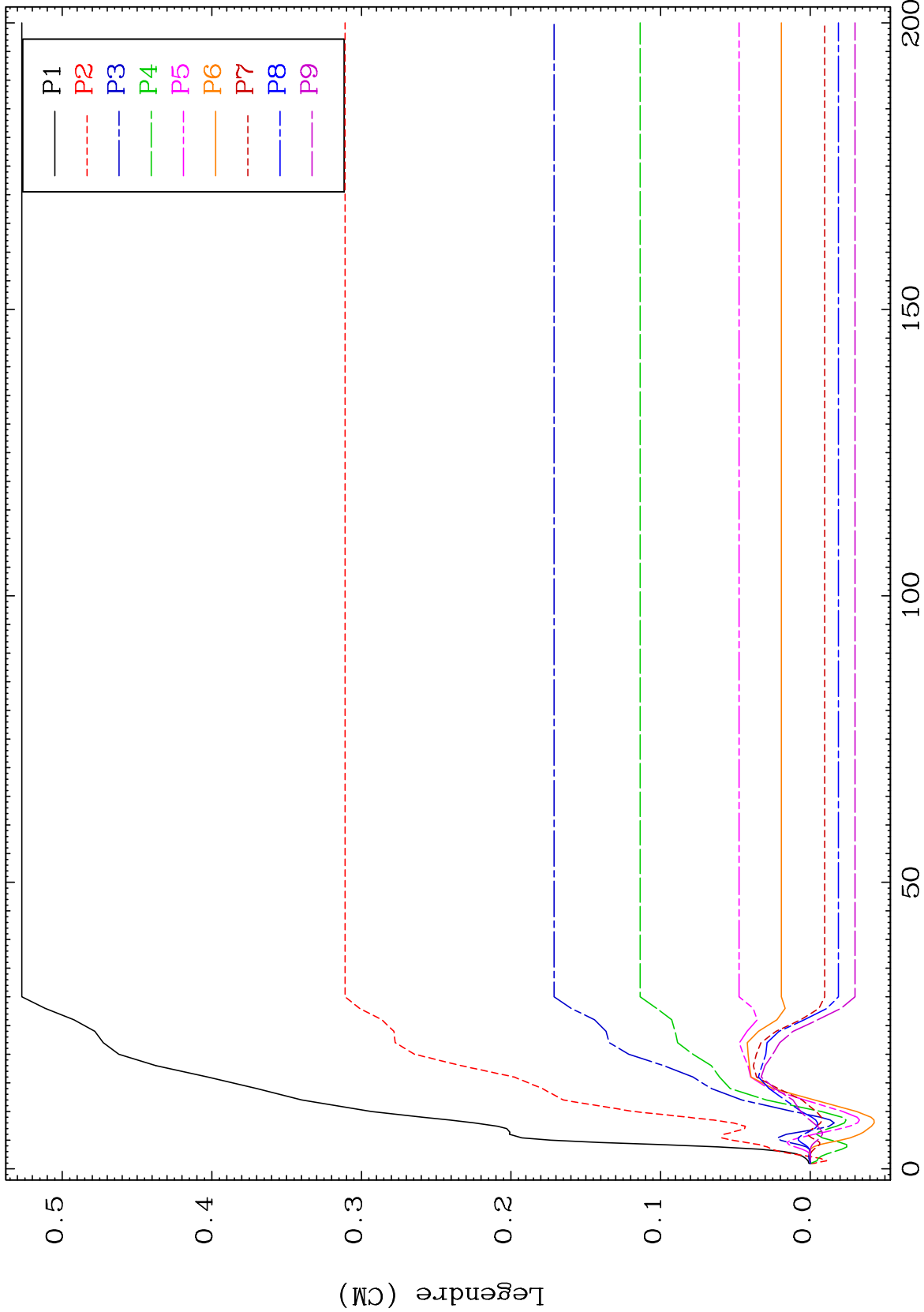
Incident Energy (MeV)

68-Er-160

MAT 6819

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

68-Er-160



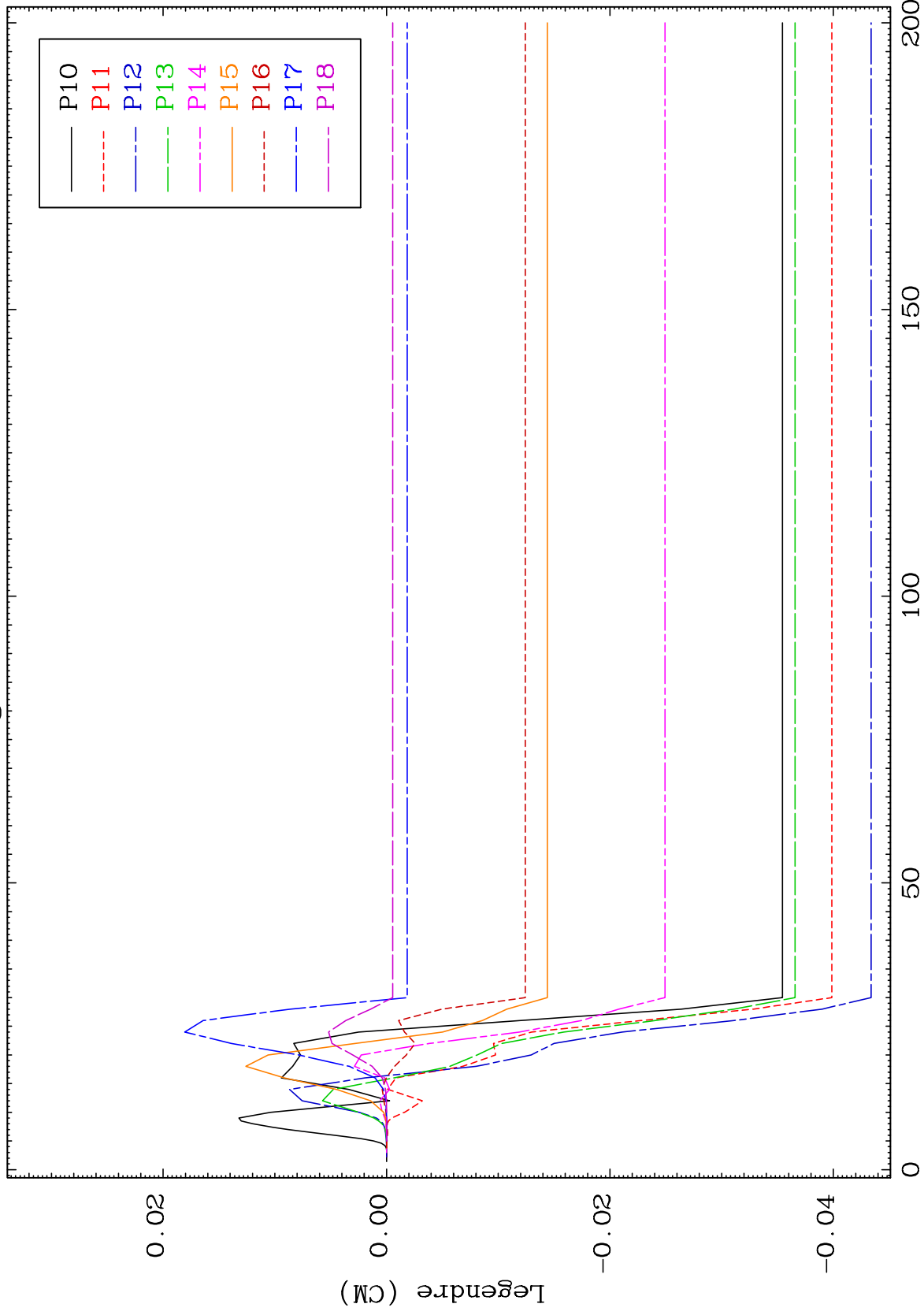
33

68-Er-160

MAT 6819

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

68-Er-160



34

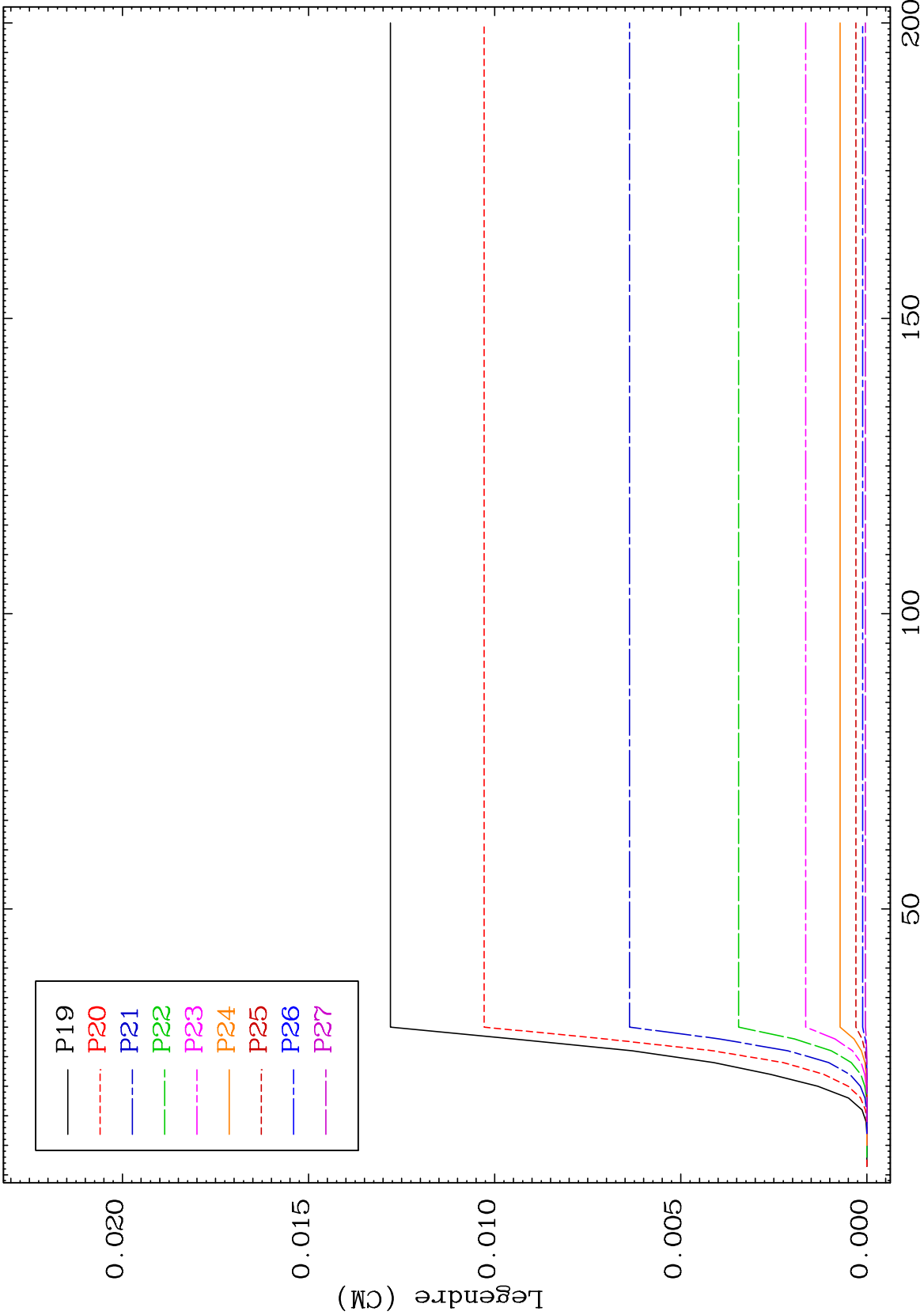
Incident Energy (MeV)

68-Er-160

MAT 6819

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

68-Er-160



35

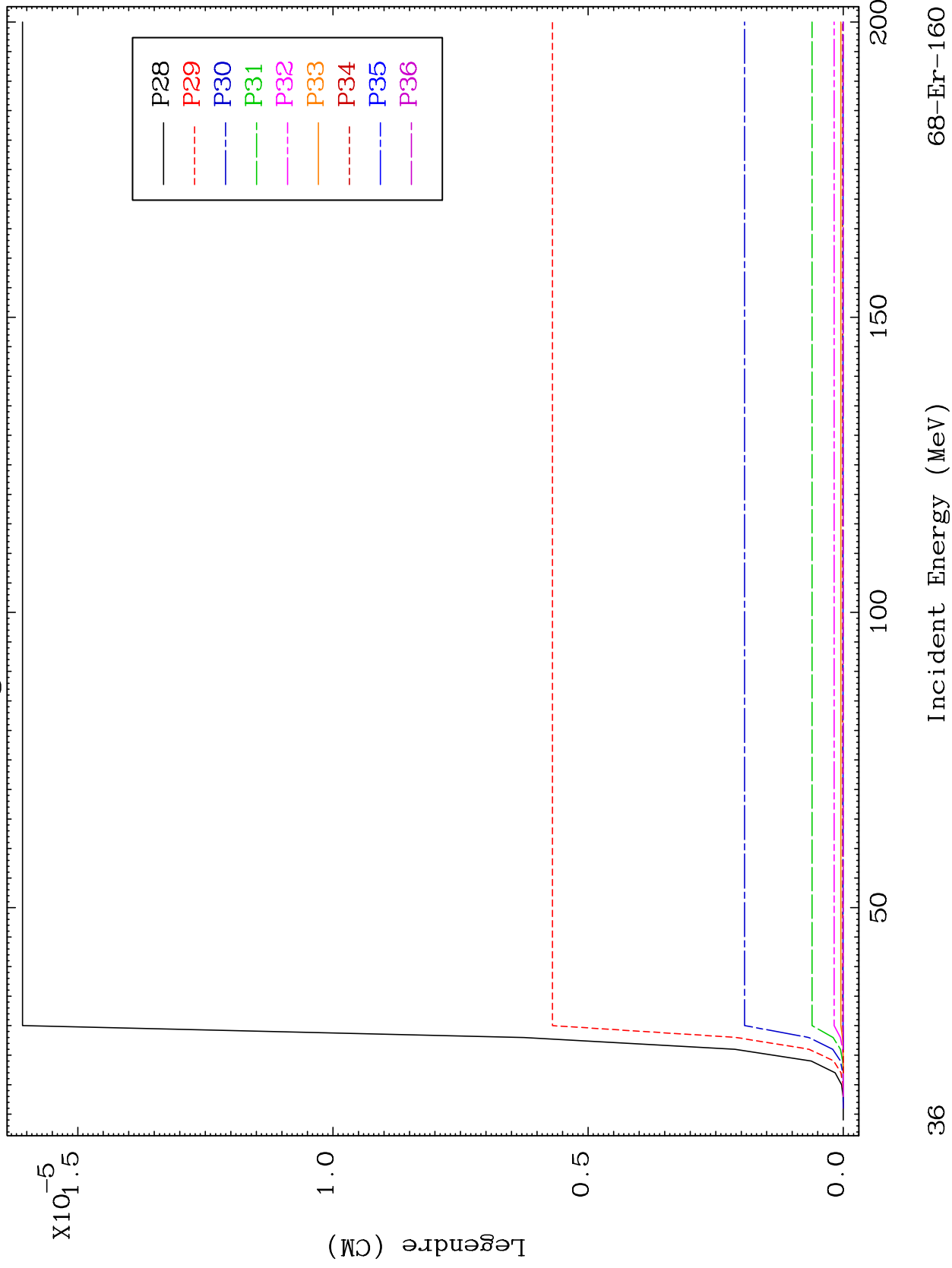
Incident Energy (MeV)

68-Er-160

MAT 6819

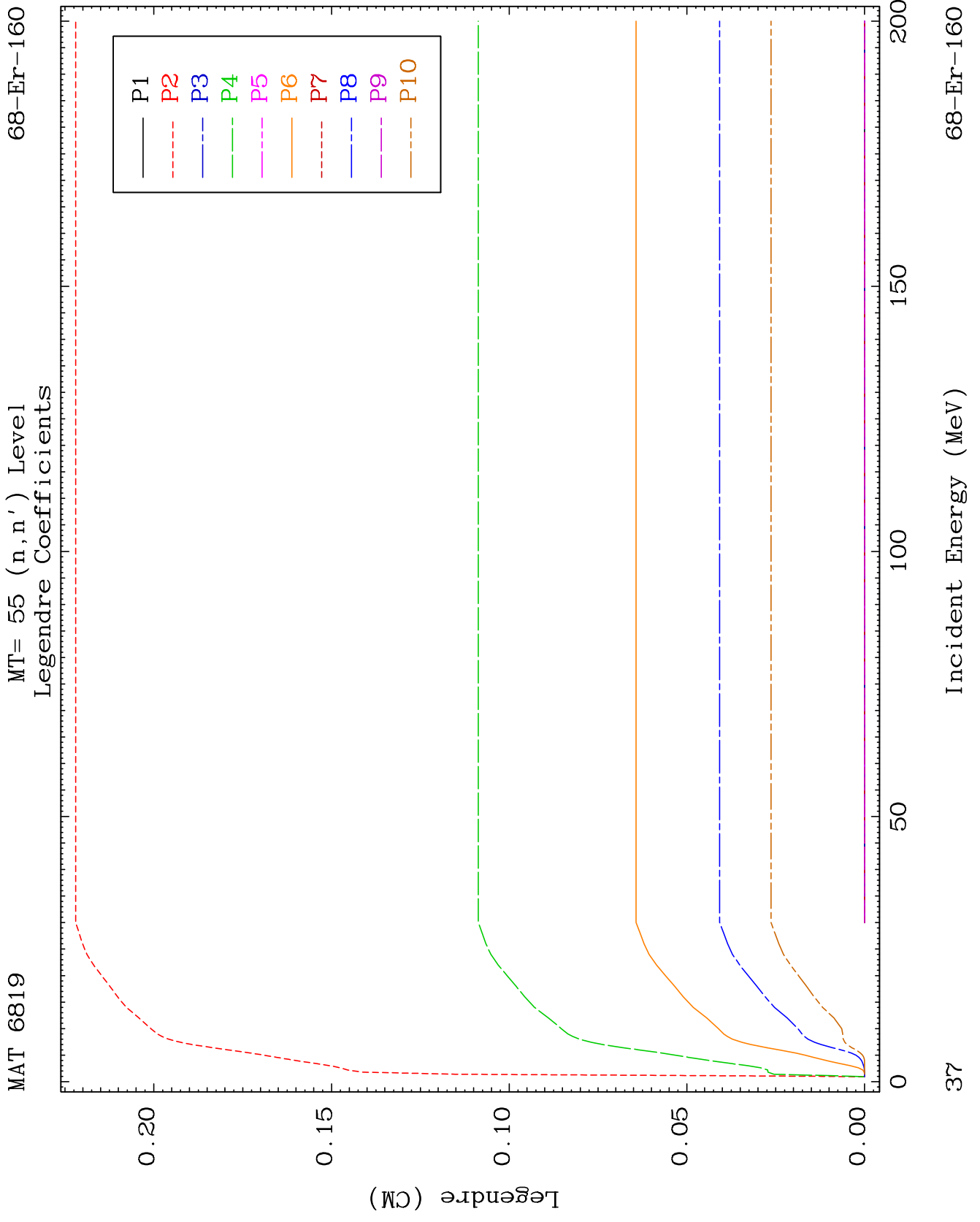
MT= 54 (n,n') Level
Legendre Coefficients

68-Er-160



36

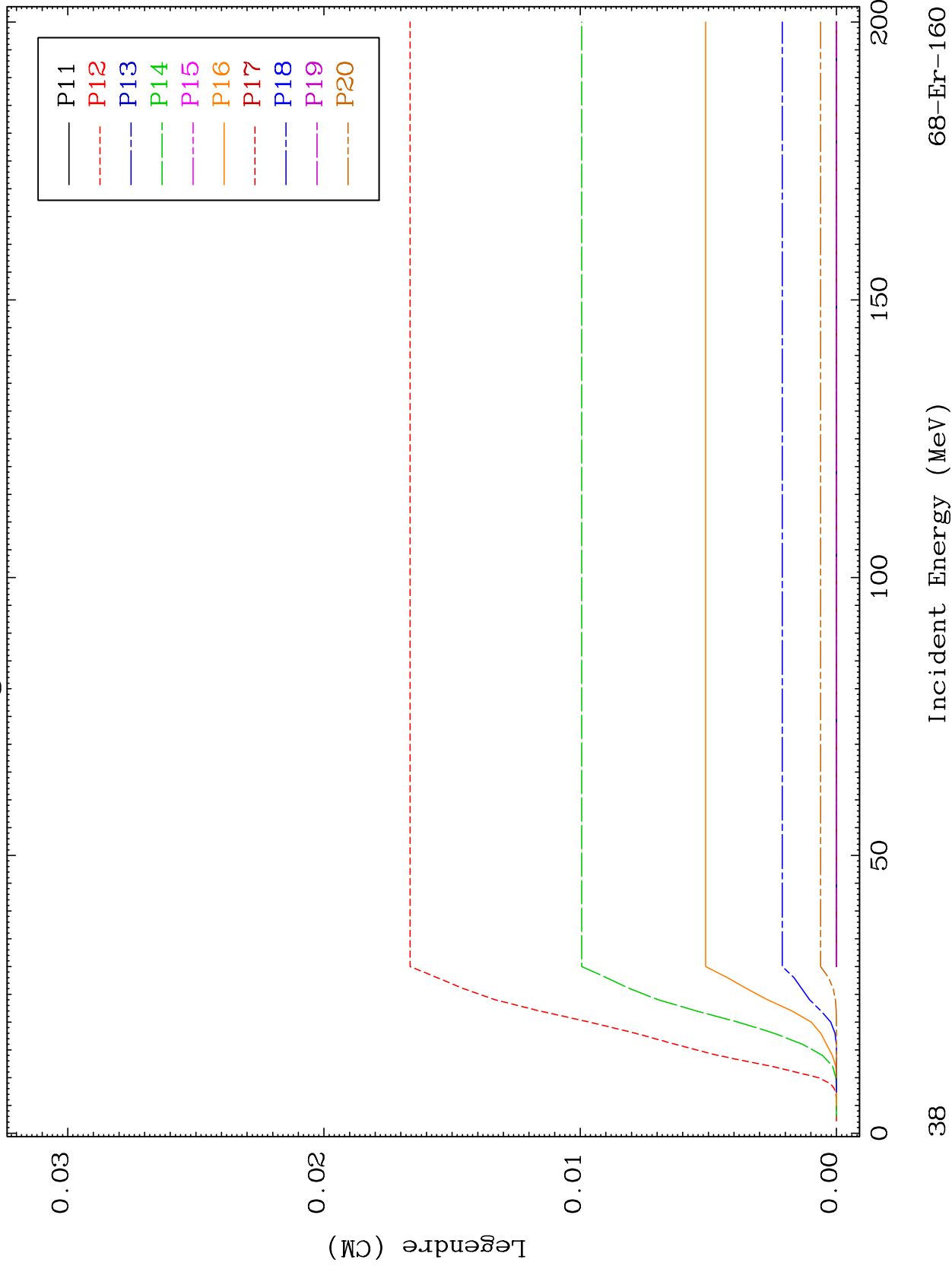
68-Er-160



MAT 6819

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

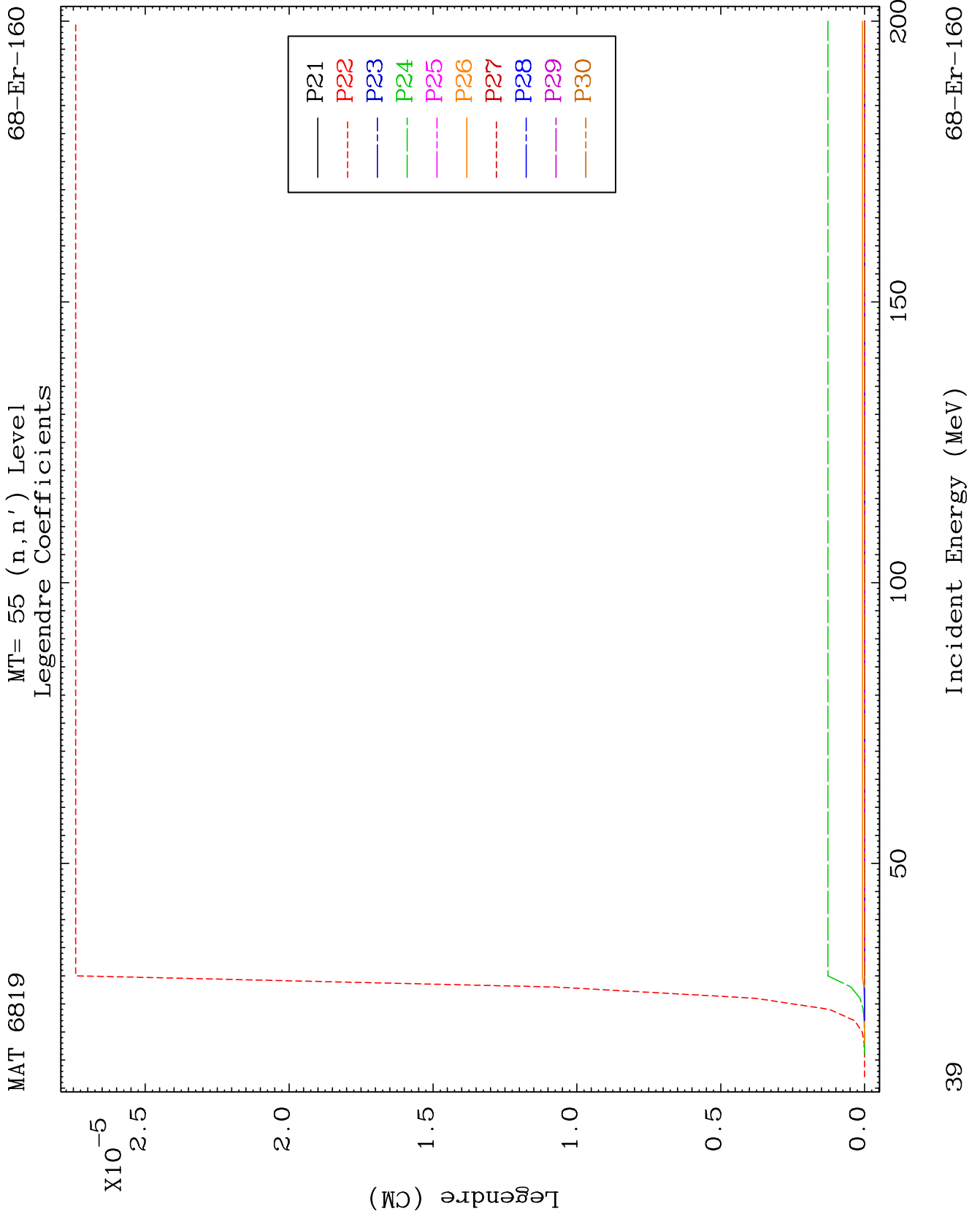
68-Er-160



68-Er-160

Incident Energy (MeV)

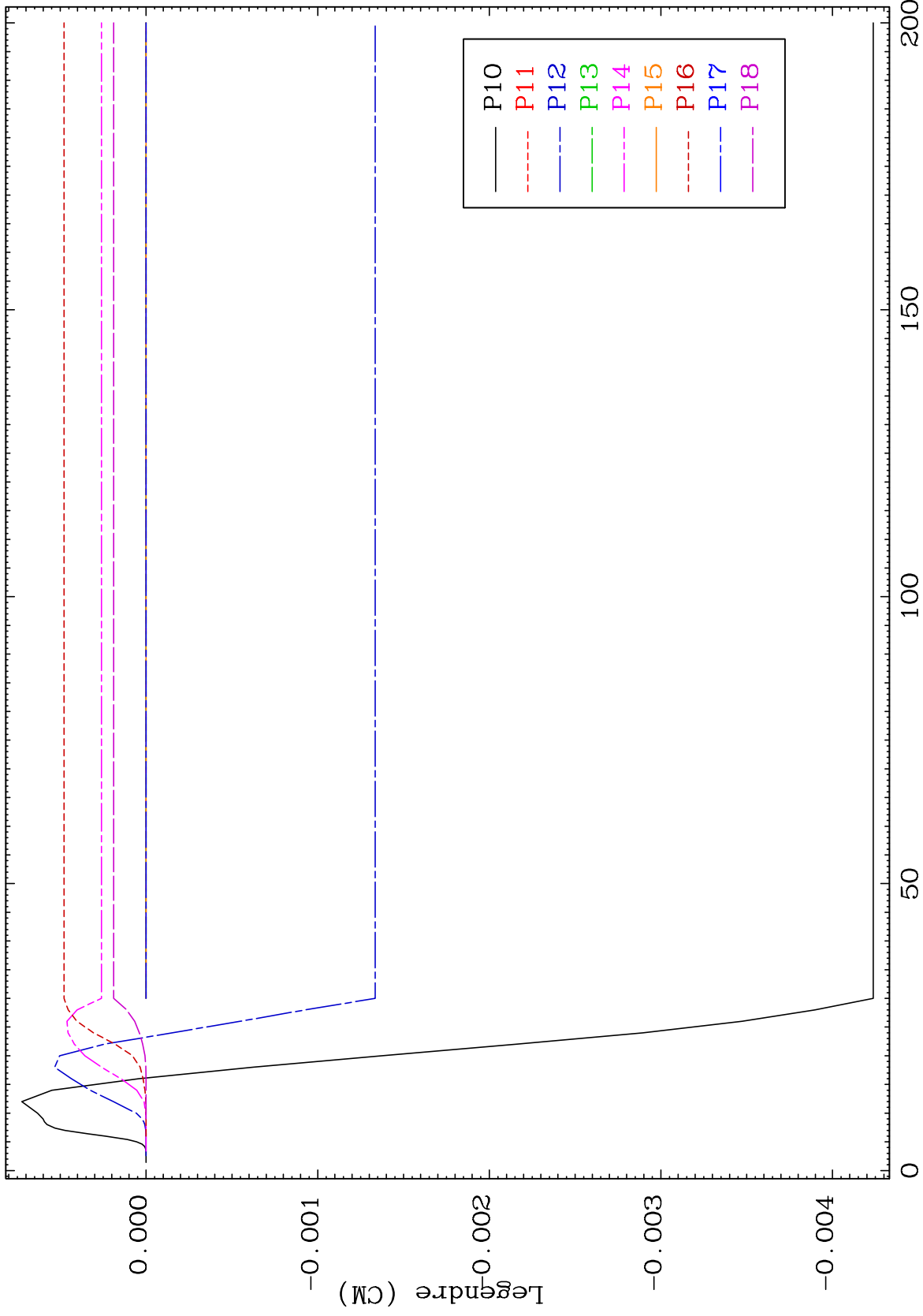
38



MAT 6819

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

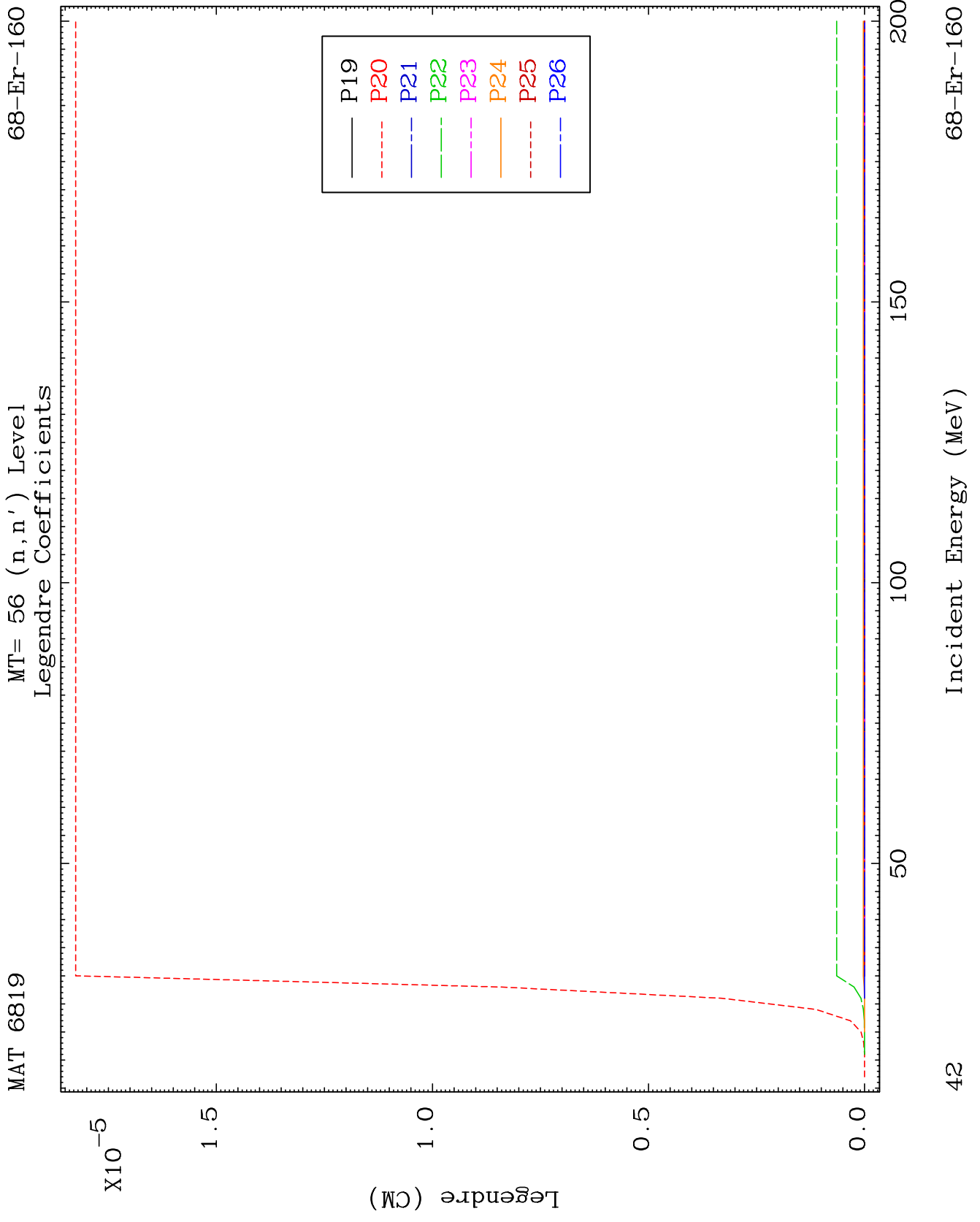
68-Er-160



41

Incident Energy (MeV)

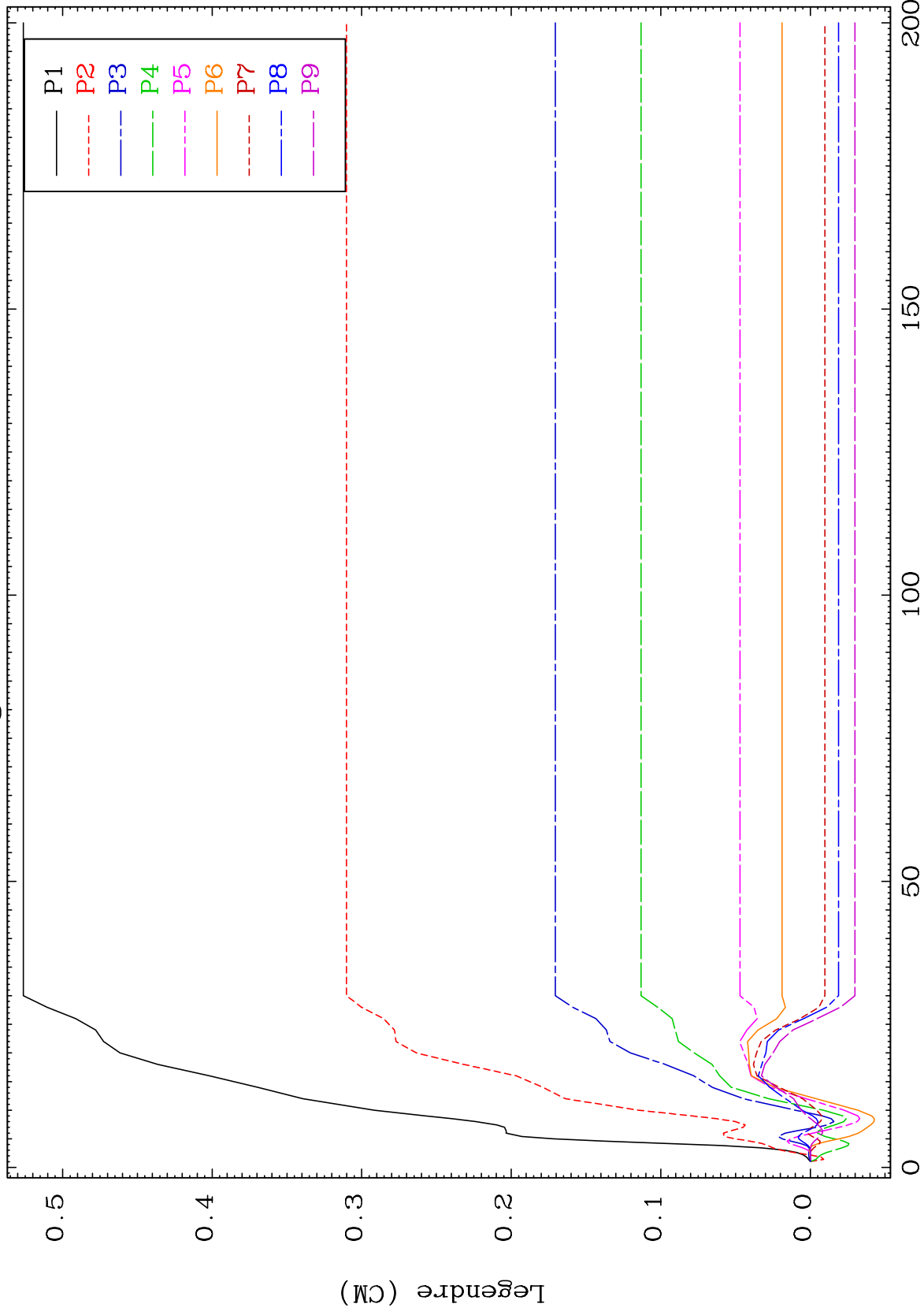
68-Er-160



MAT 6819

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

68-Er-160



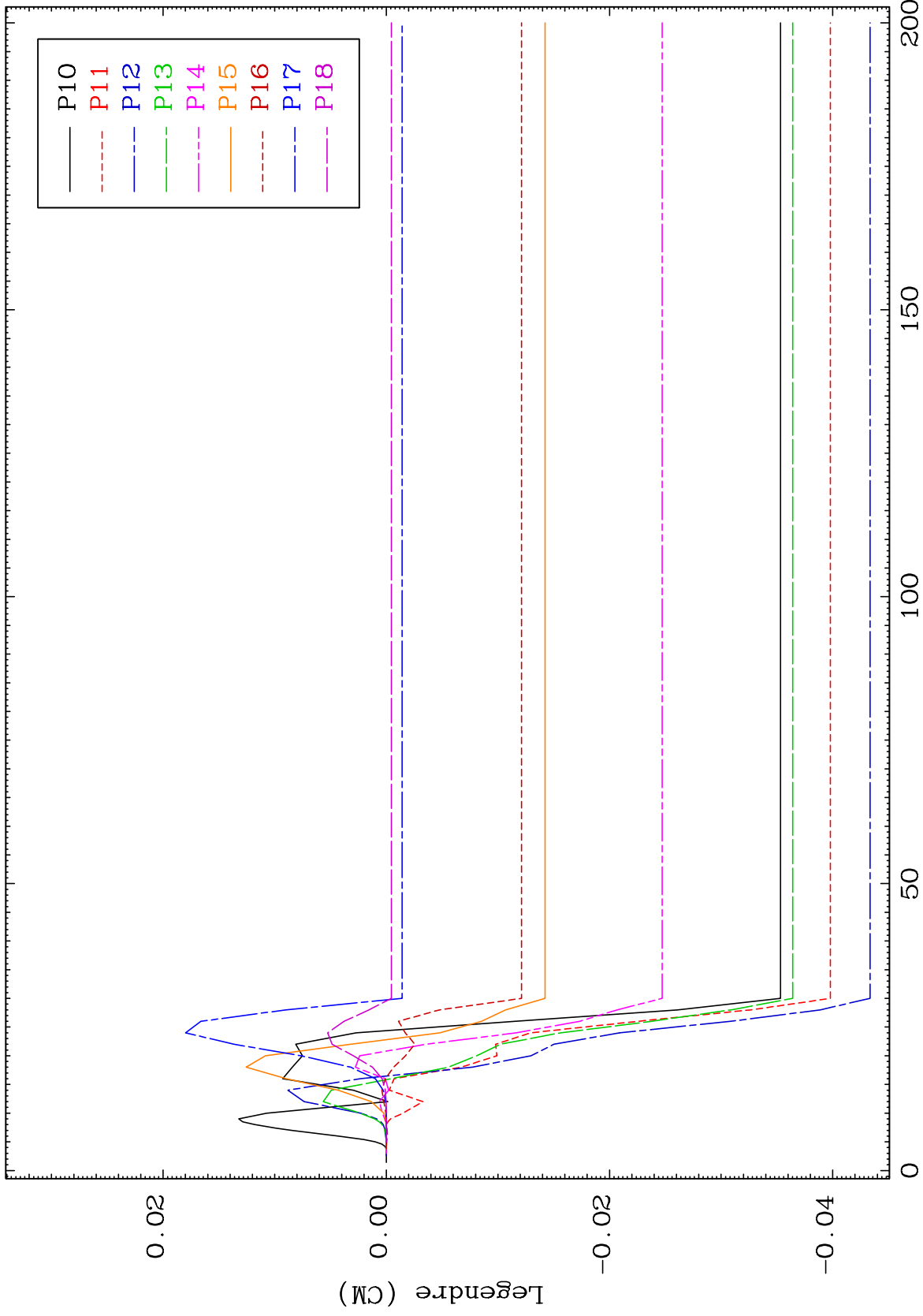
43

68-Er-160

MAT 6819

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

68-Er-160



44

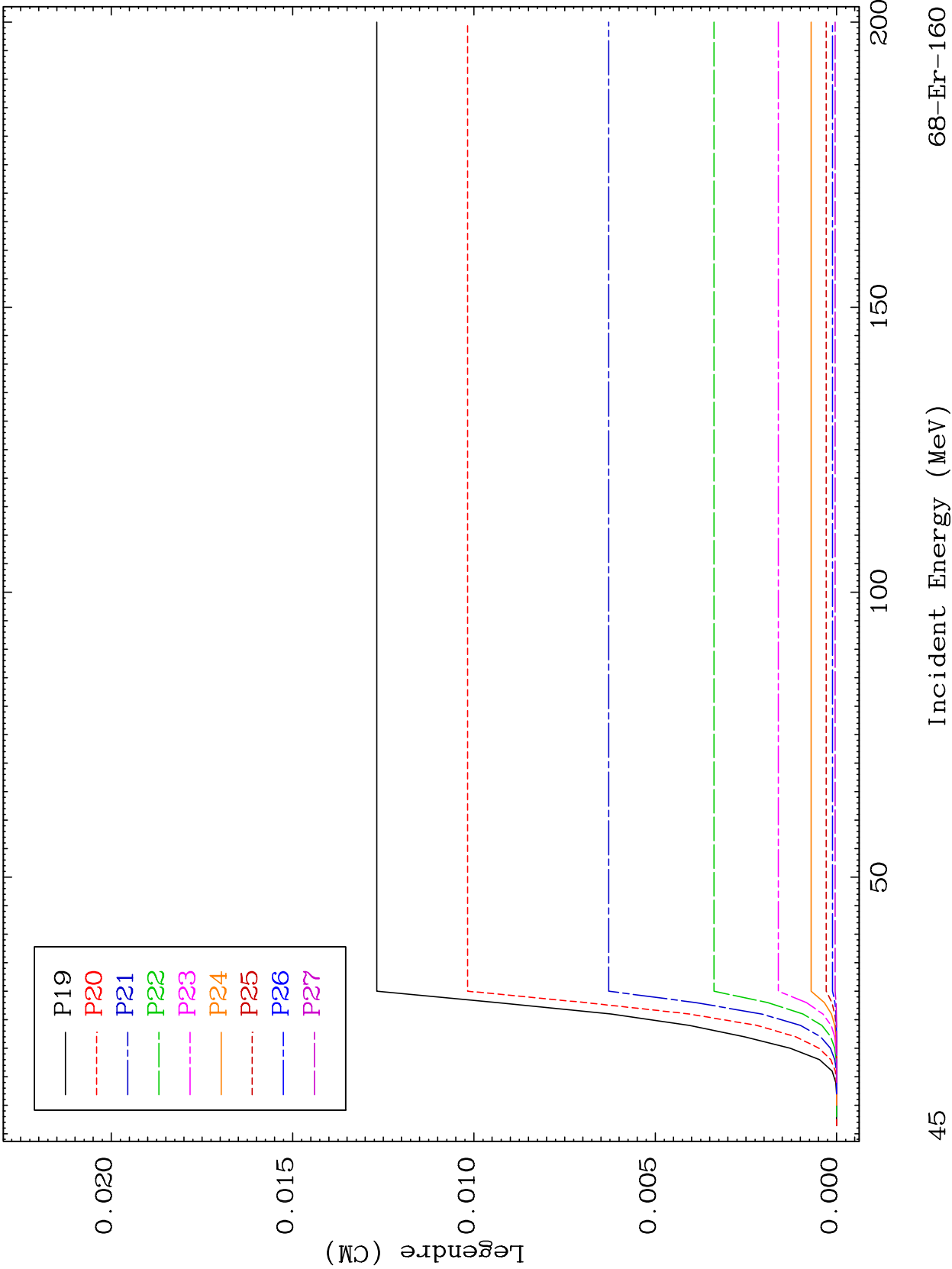
Incident Energy (MeV)

68-Er-160

MAT 6819

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

68-Er-160



45

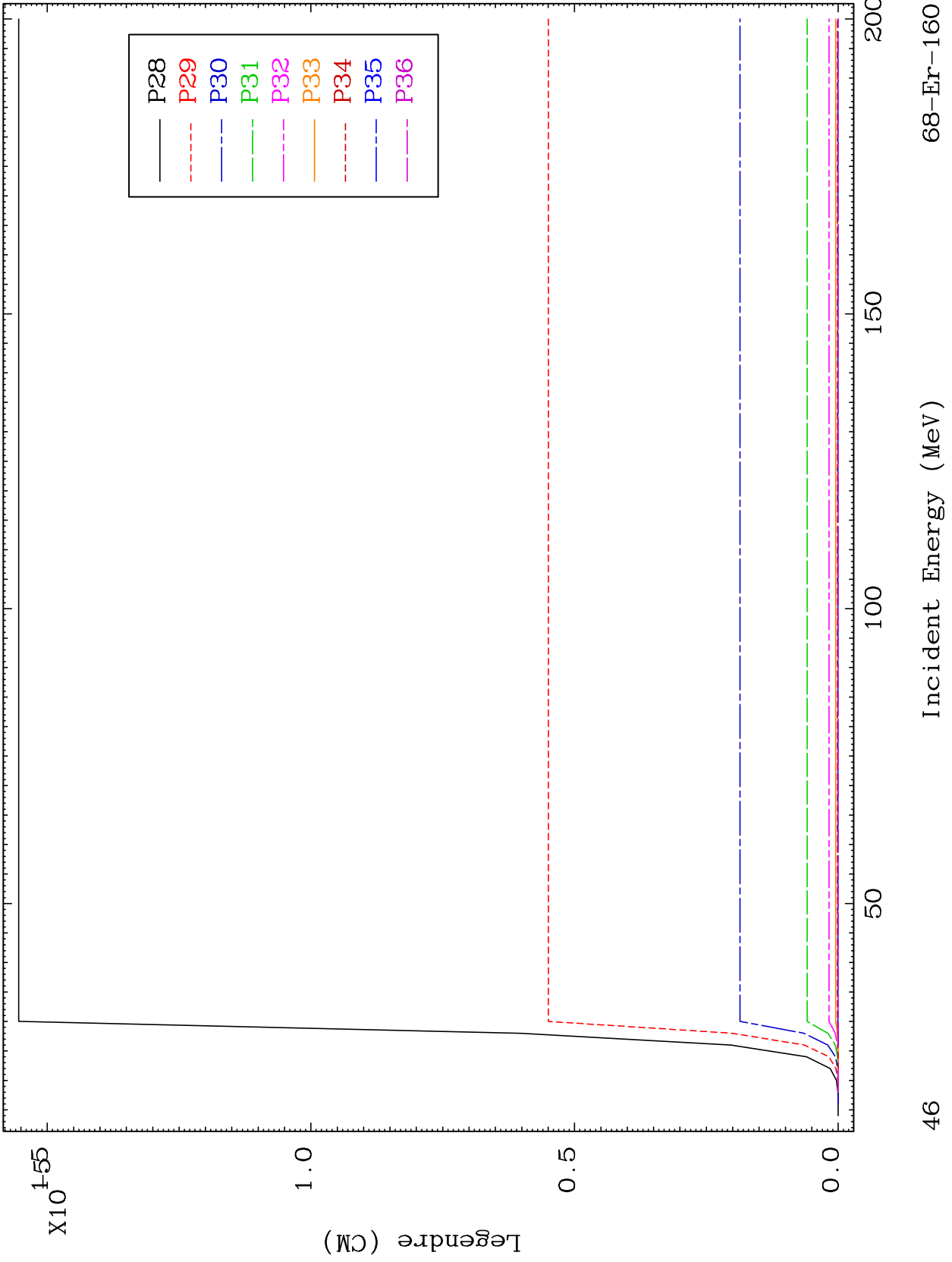
Incident Energy (MeV)

68-Er-160

MAT 6819

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

68-Er-160



46

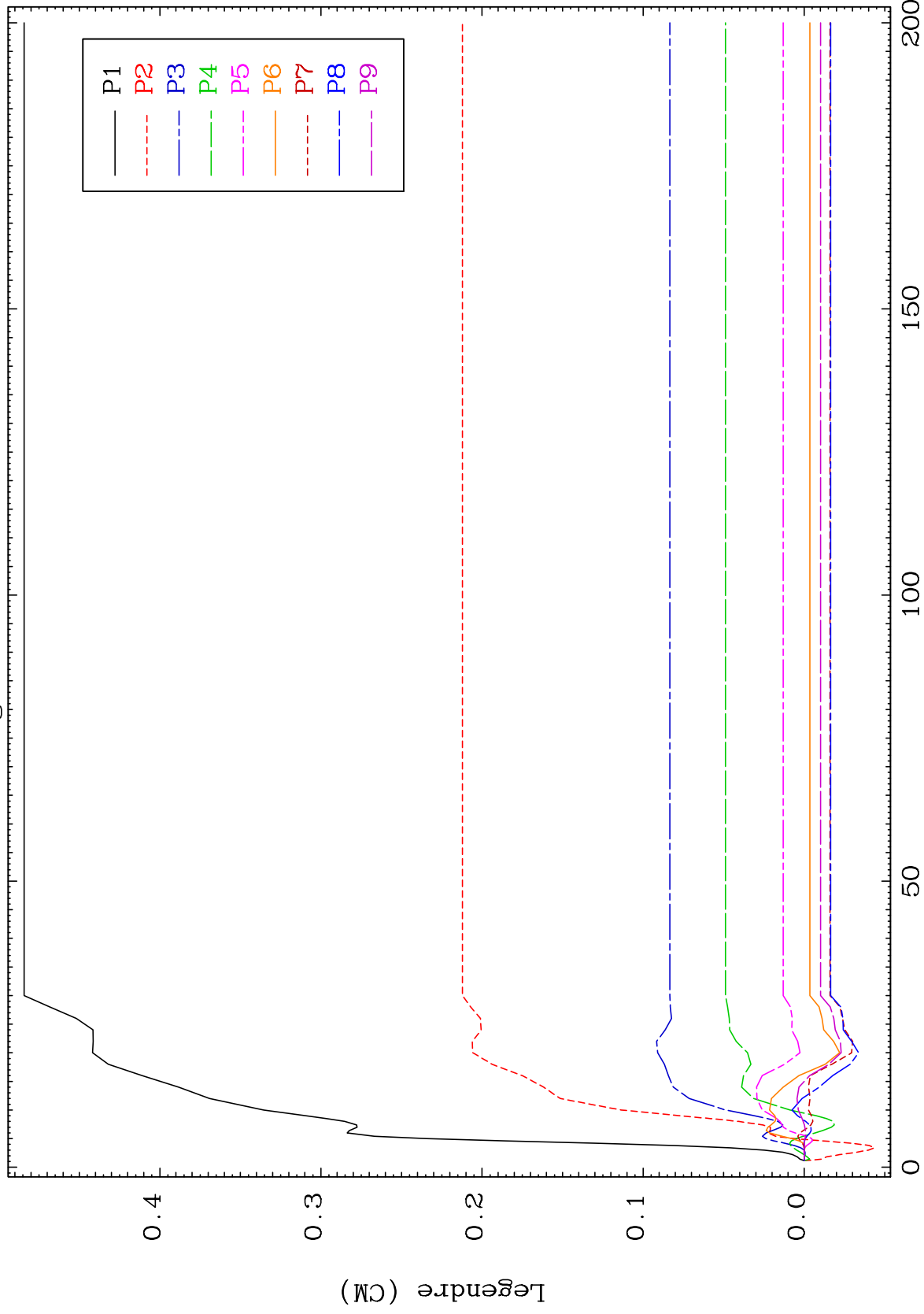
Incident Energy (MeV)

68-Er-160

MAT 6819

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

68-Er-160



47

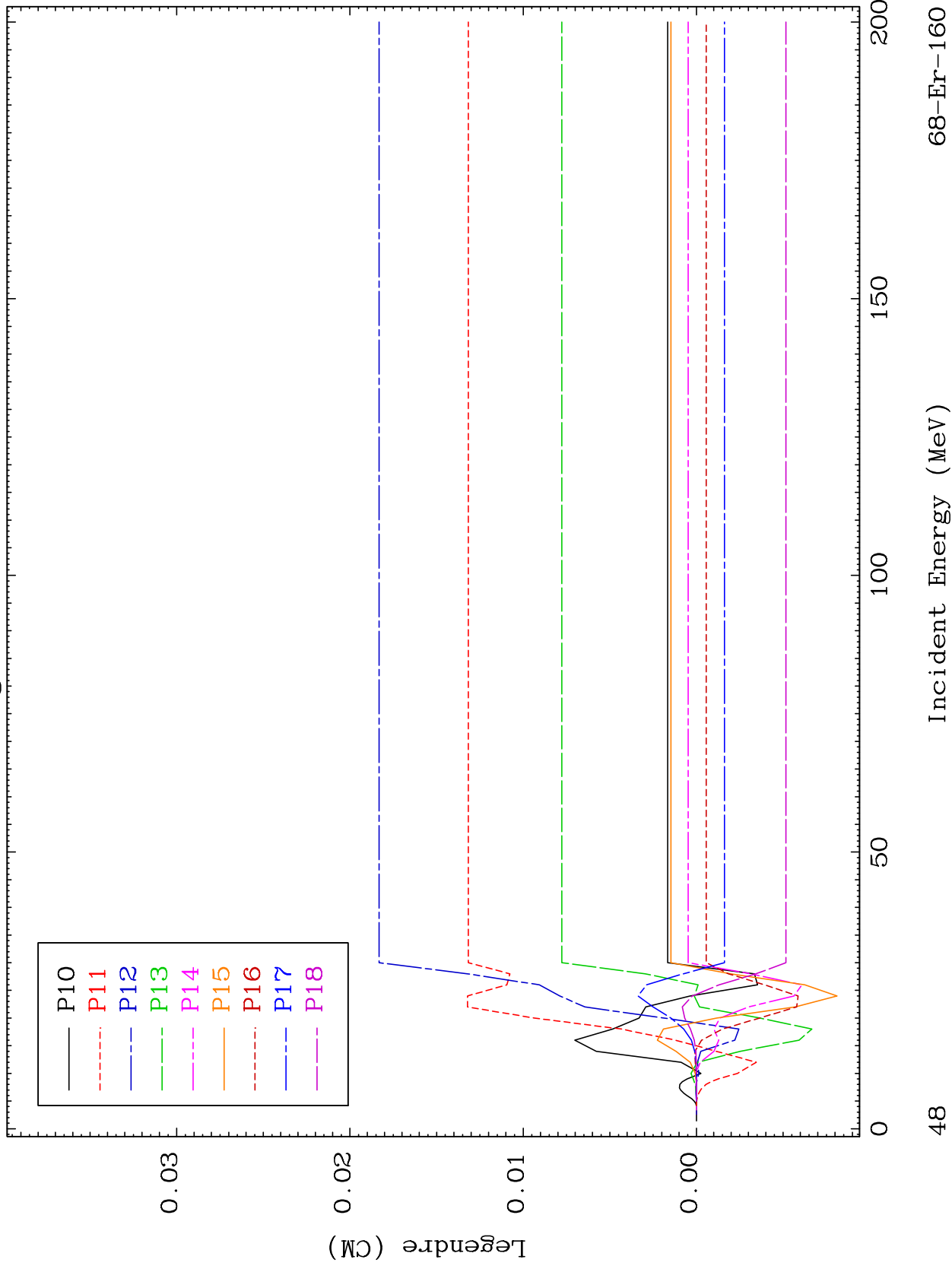
Incident Energy (MeV)

68-Er-160

MAT 6819

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

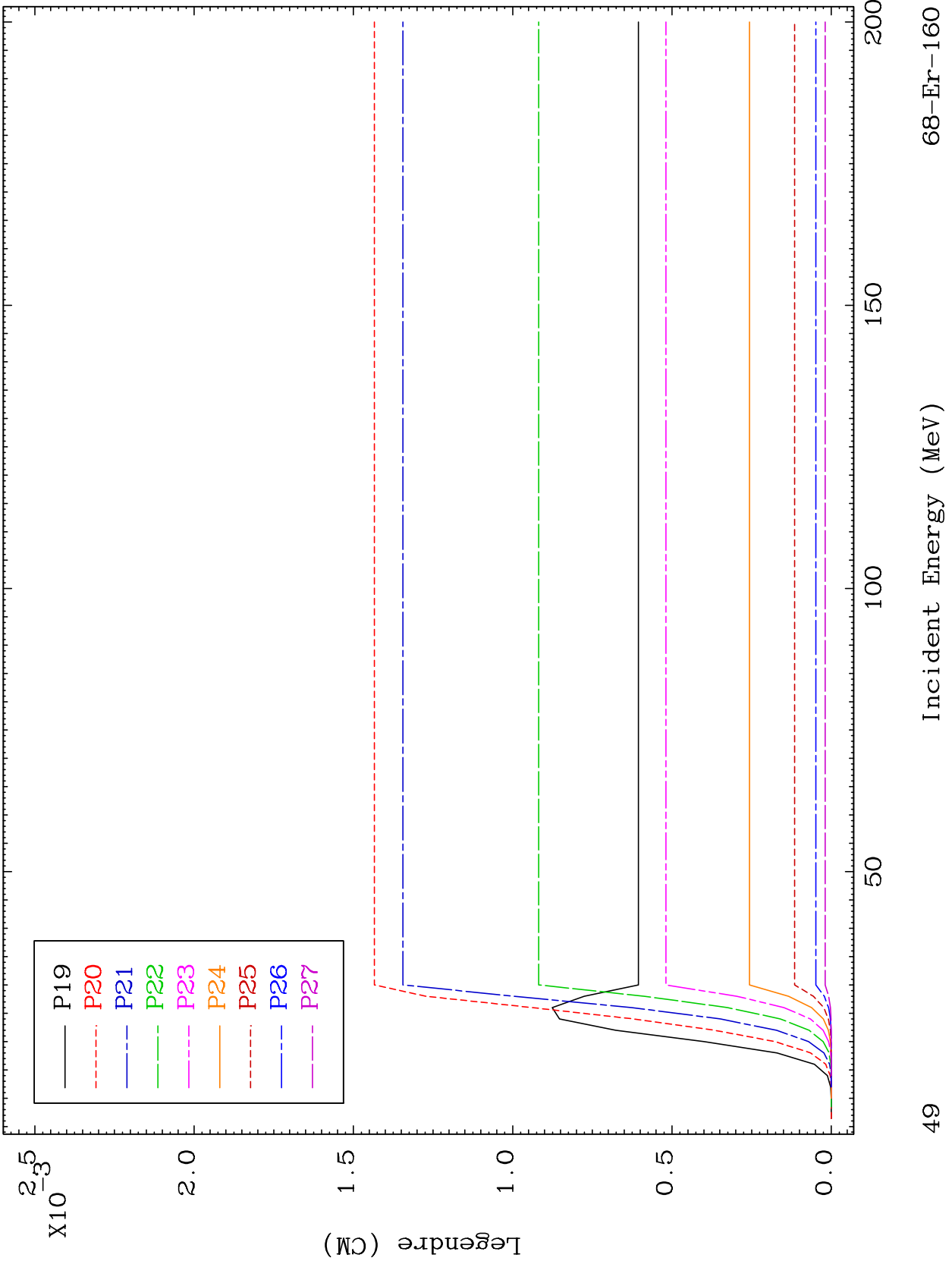
68-Er-160



68-Er-160

Incident Energy (MeV)

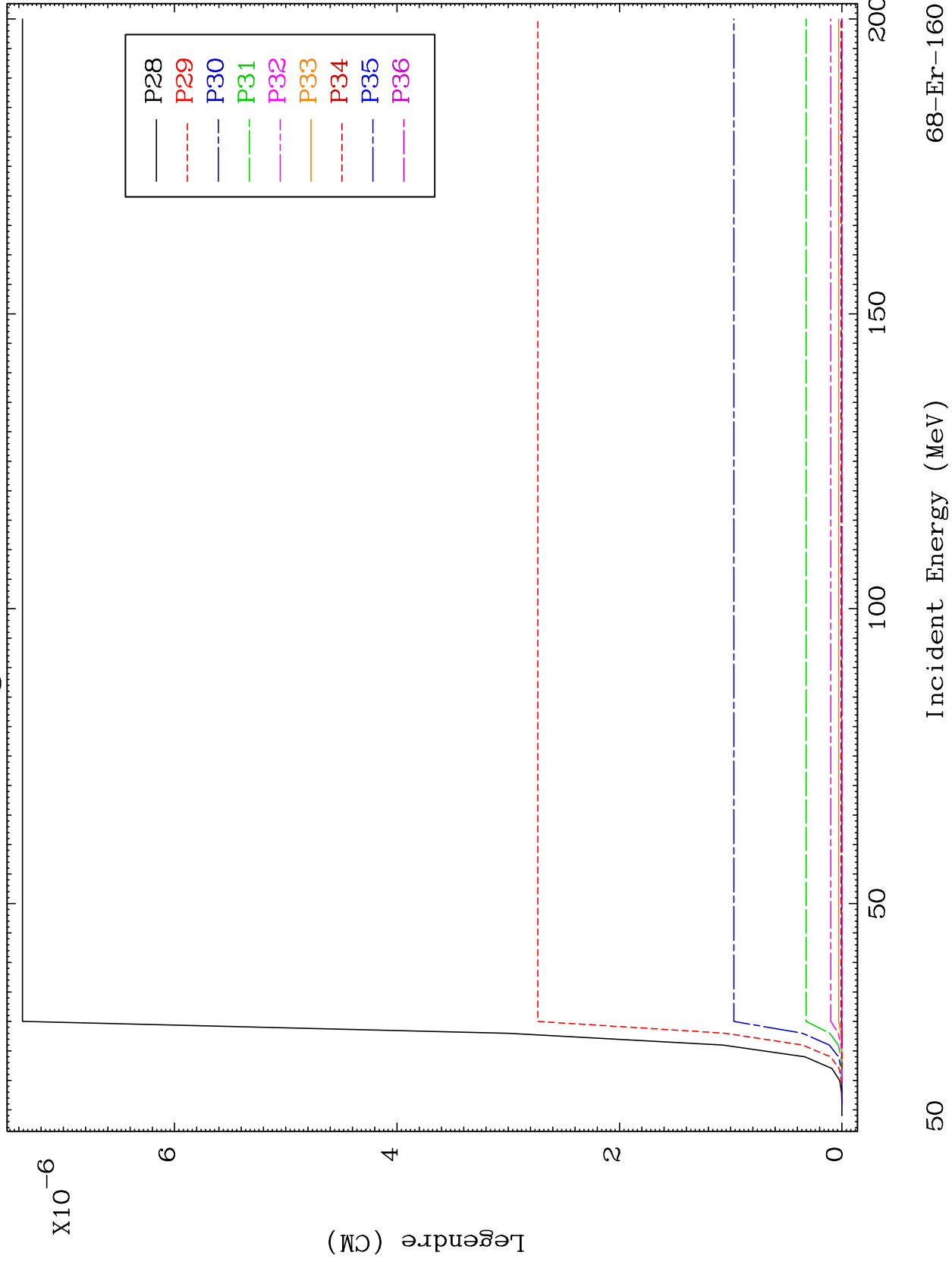
48



MAT 6819

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

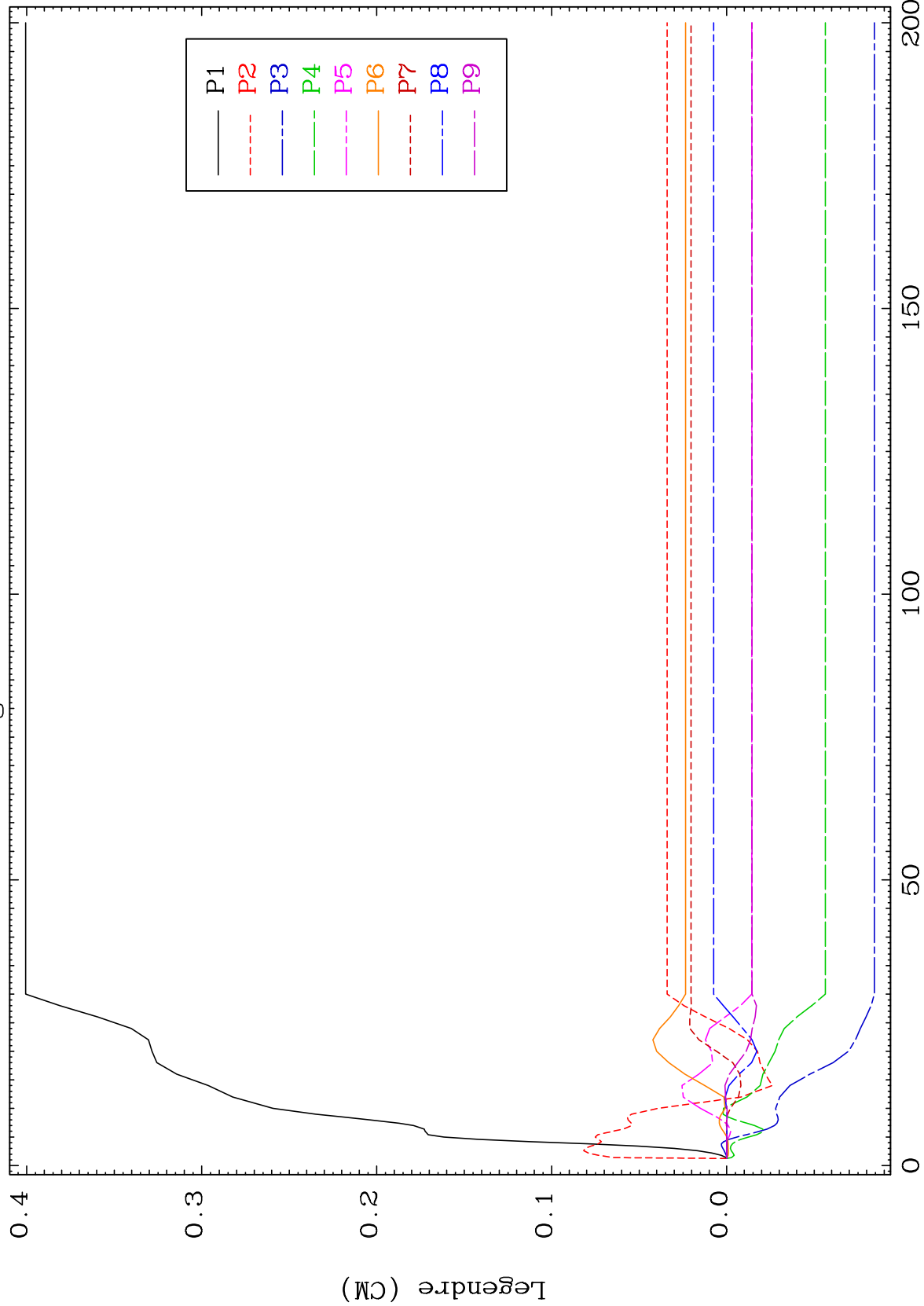
68-Er-160



MAT 6819

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

68-Er-160



51

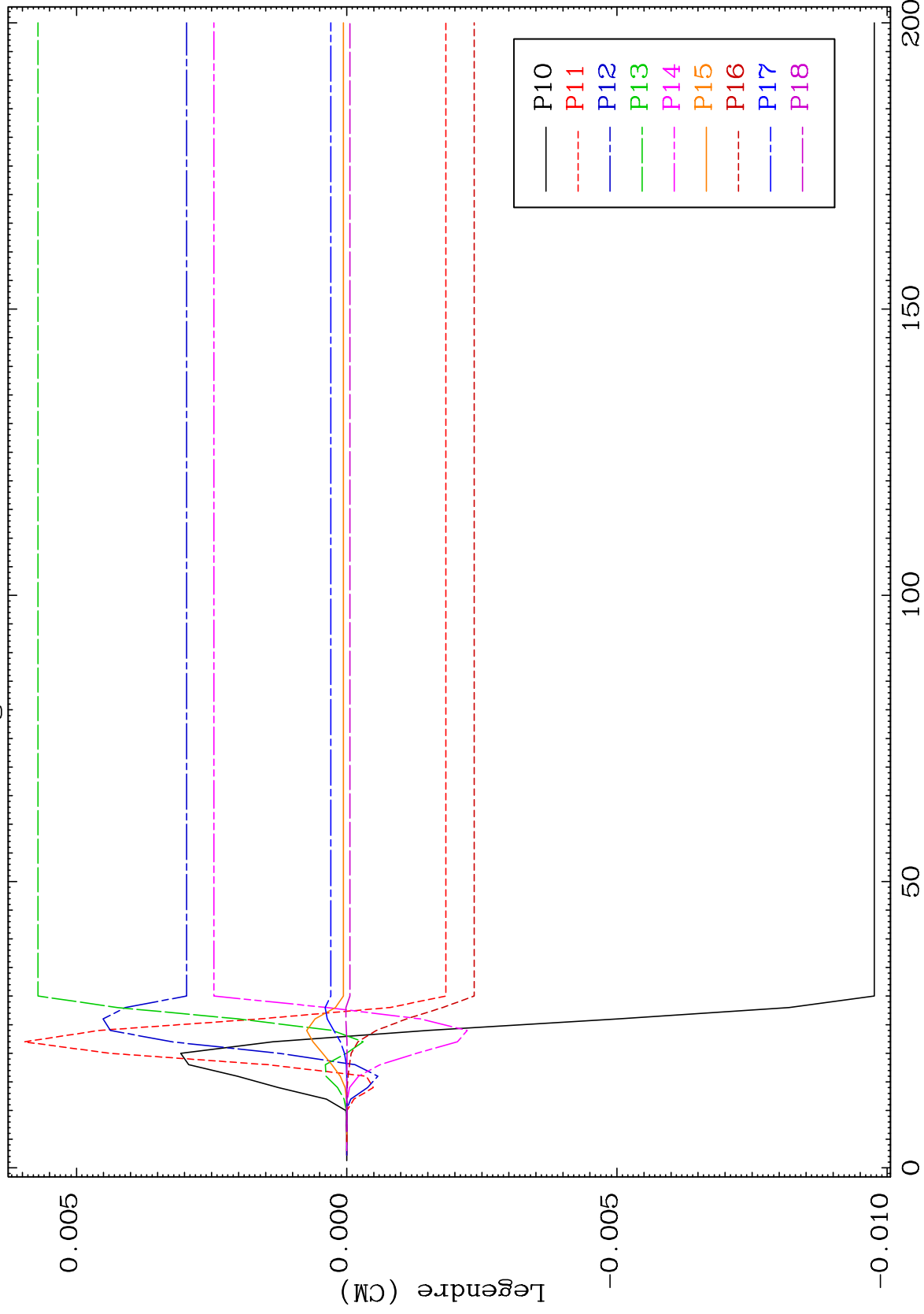
Incident Energy (MeV)

68-Er-160

MAT 6819

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

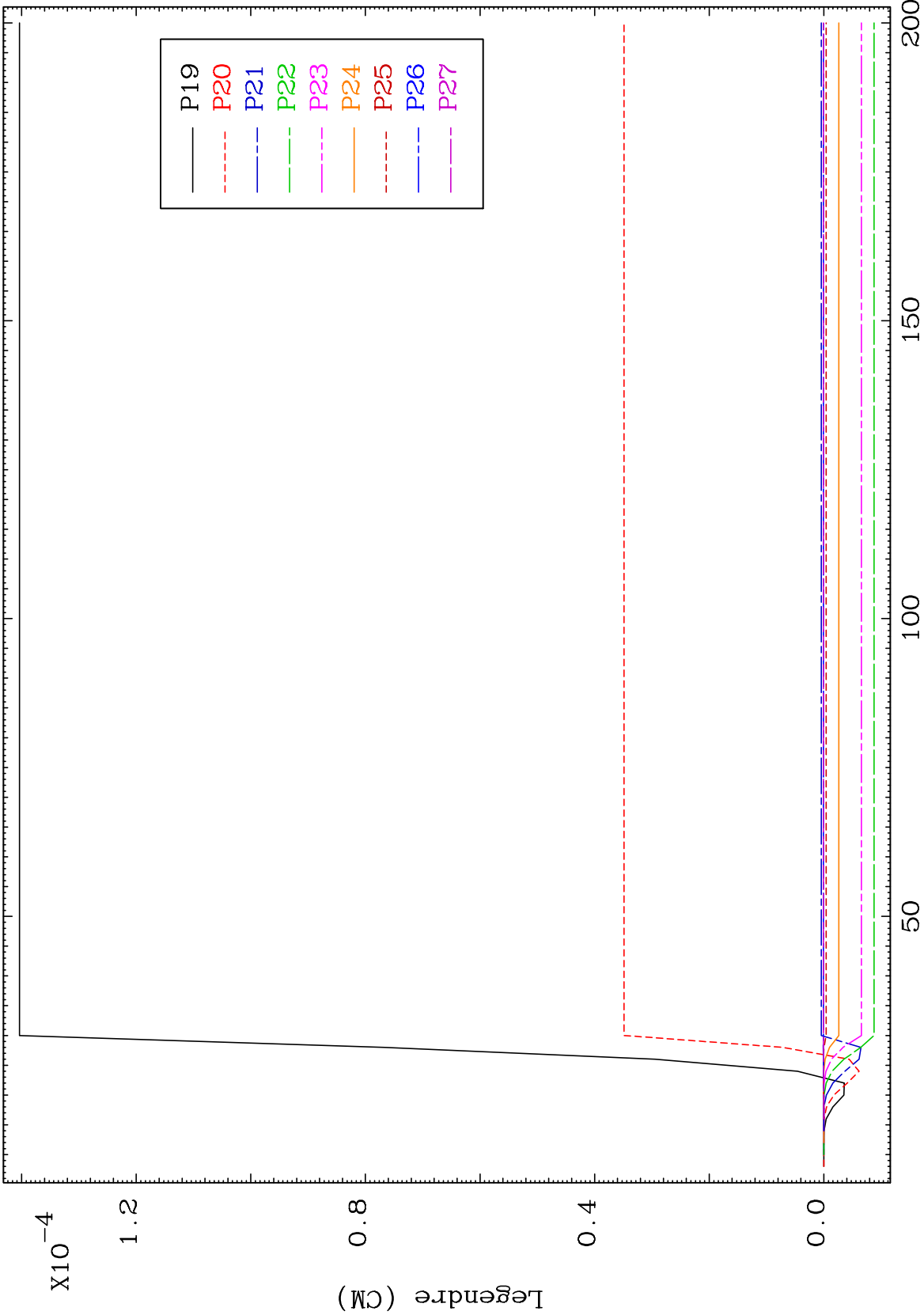
68-Er-160



52

Incident Energy (MeV)

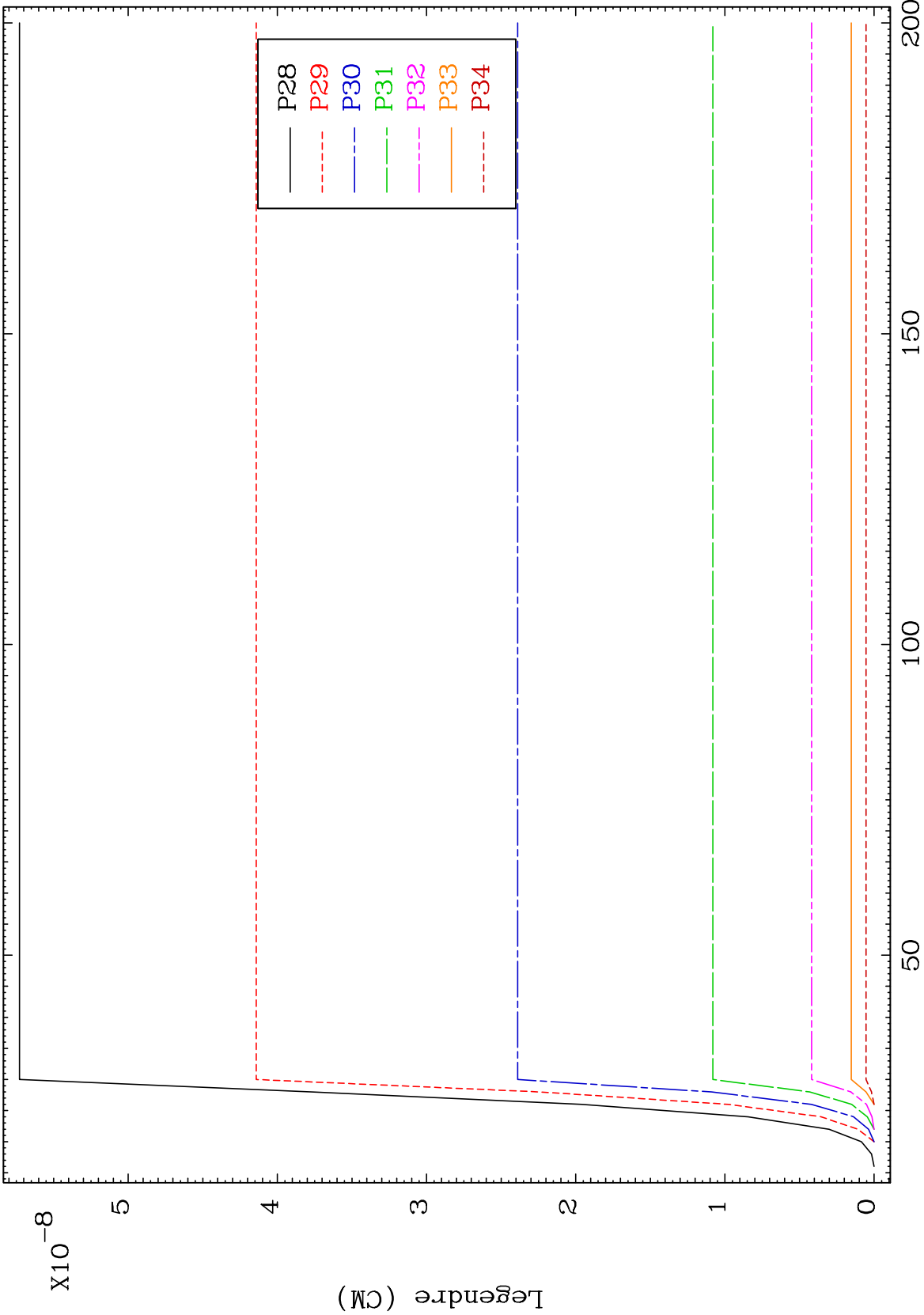
68-Er-160



MAT 6819

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

68-Er-160



54

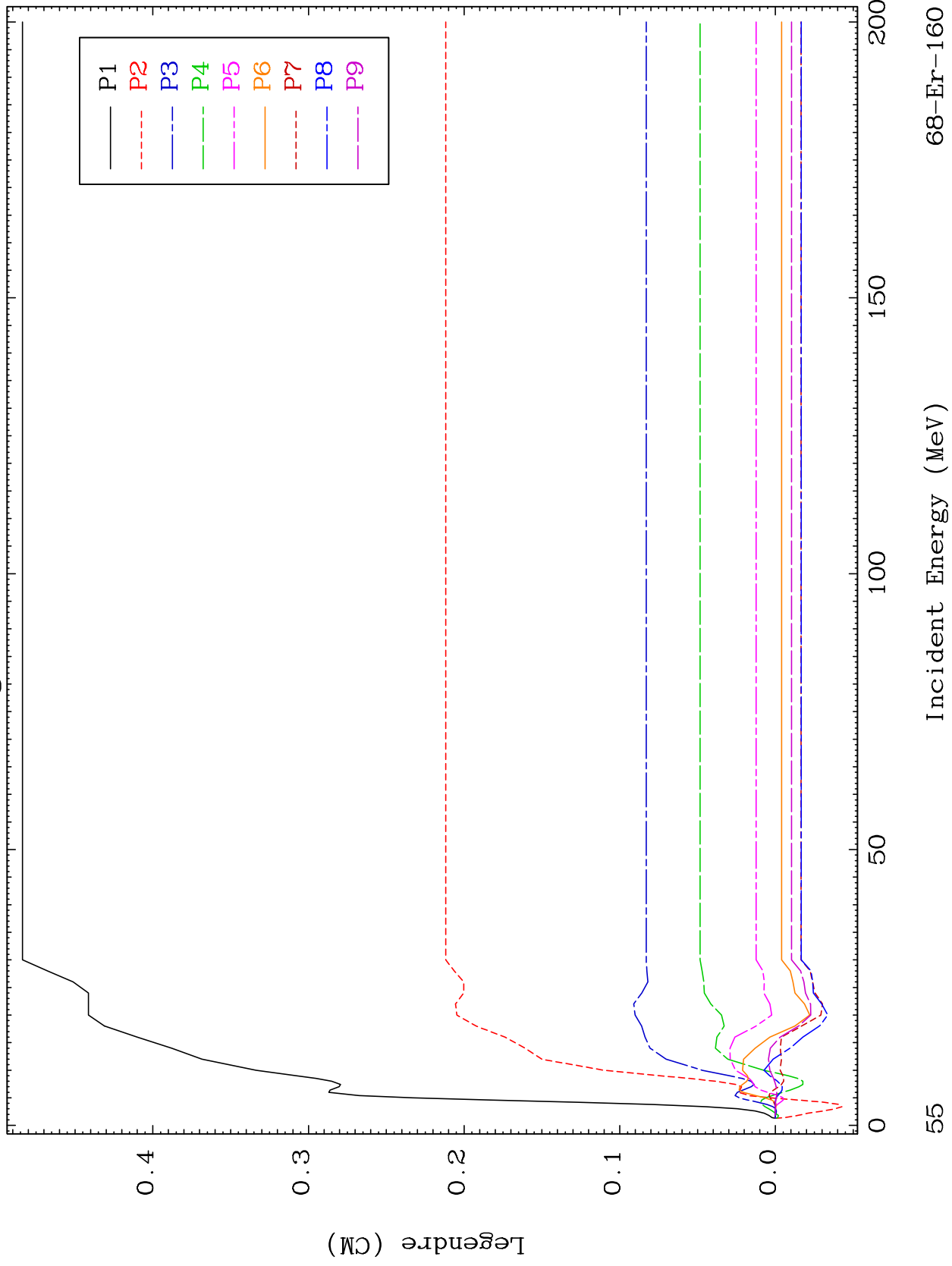
Incident Energy (MeV)

68-Er-160

MAT 6819

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

68-Er-160



68-Er-160

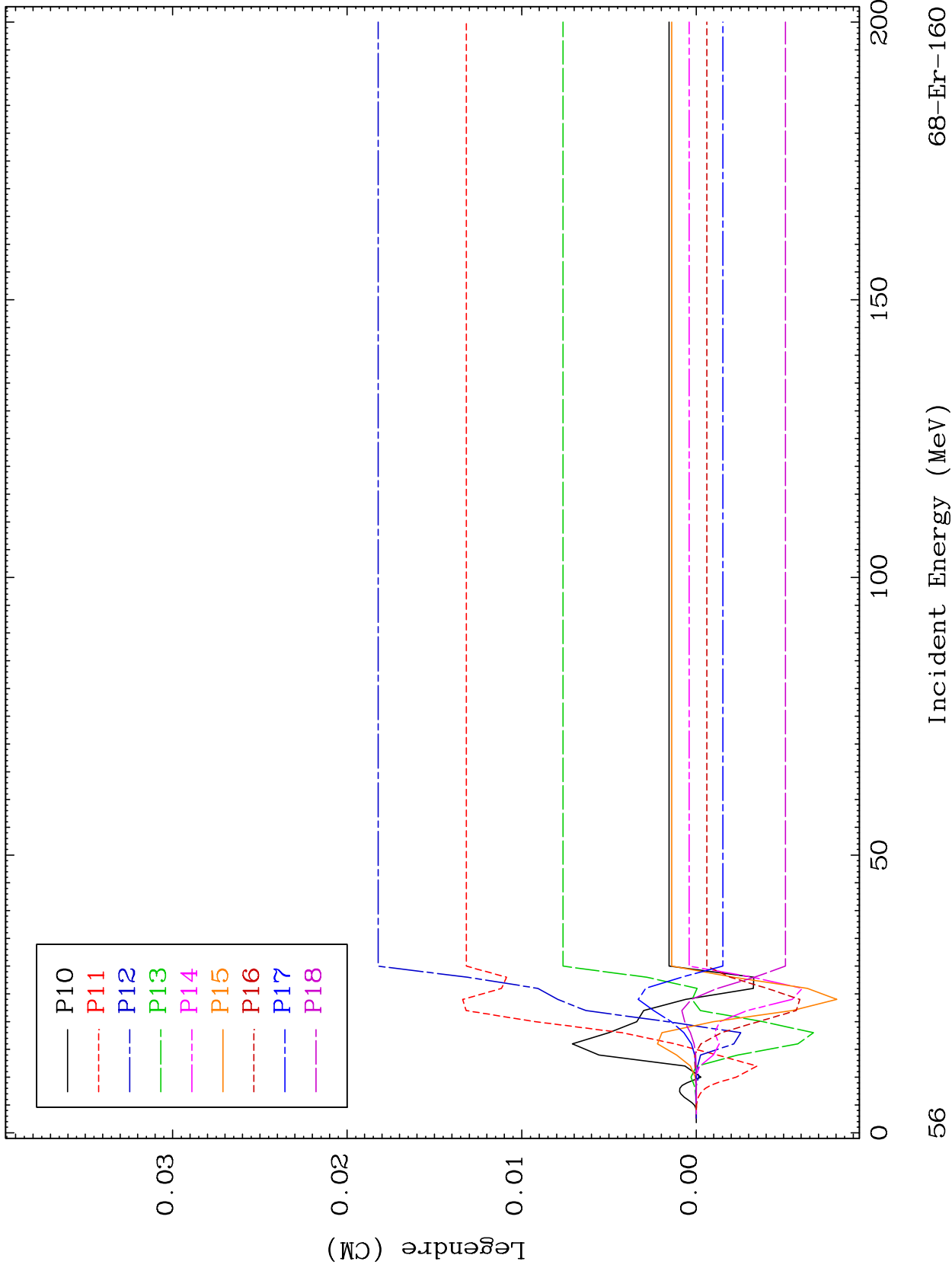
Incident Energy (MeV)

55

MAT 6819

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

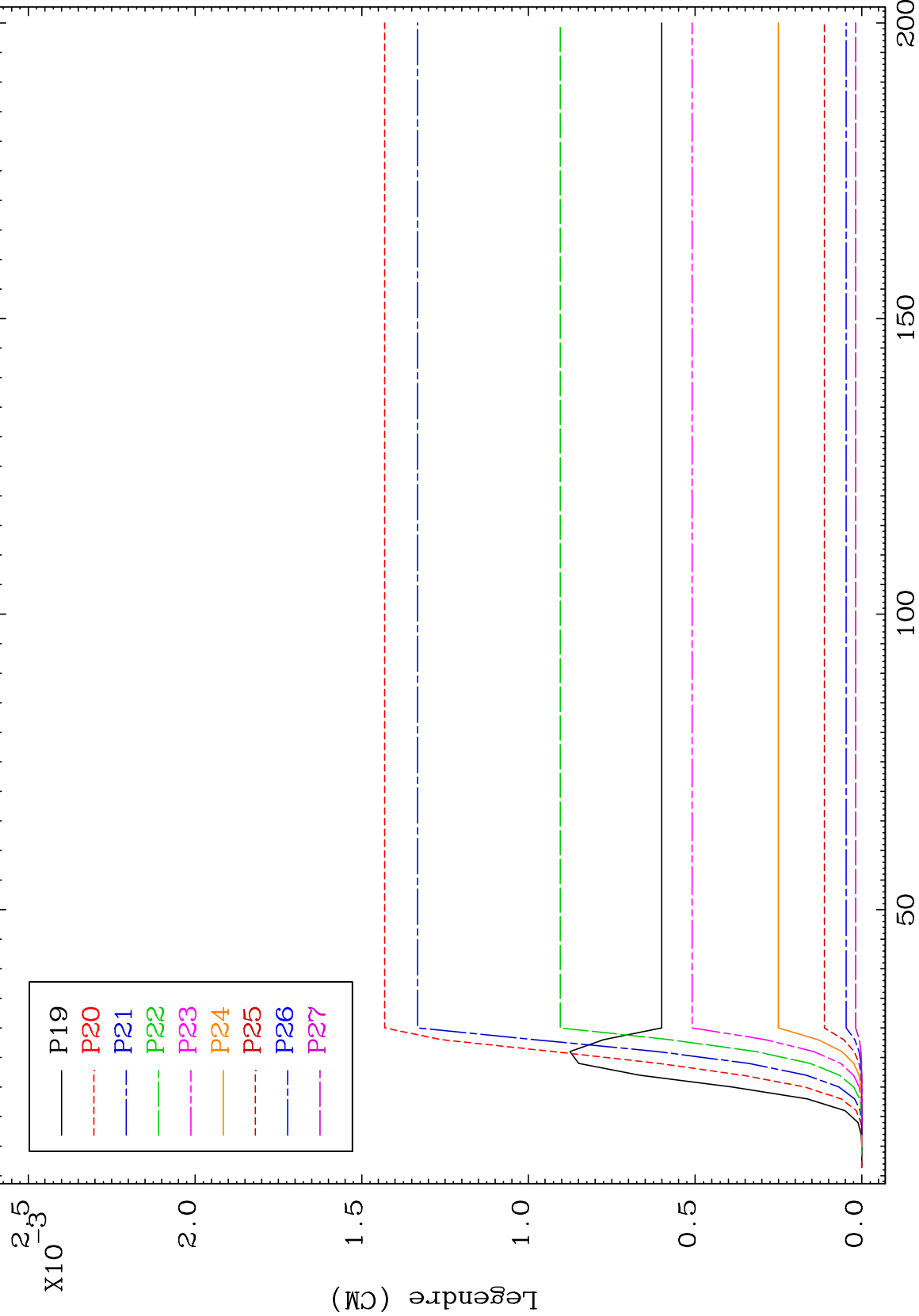
68-Er-160



56

Incident Energy (MeV)

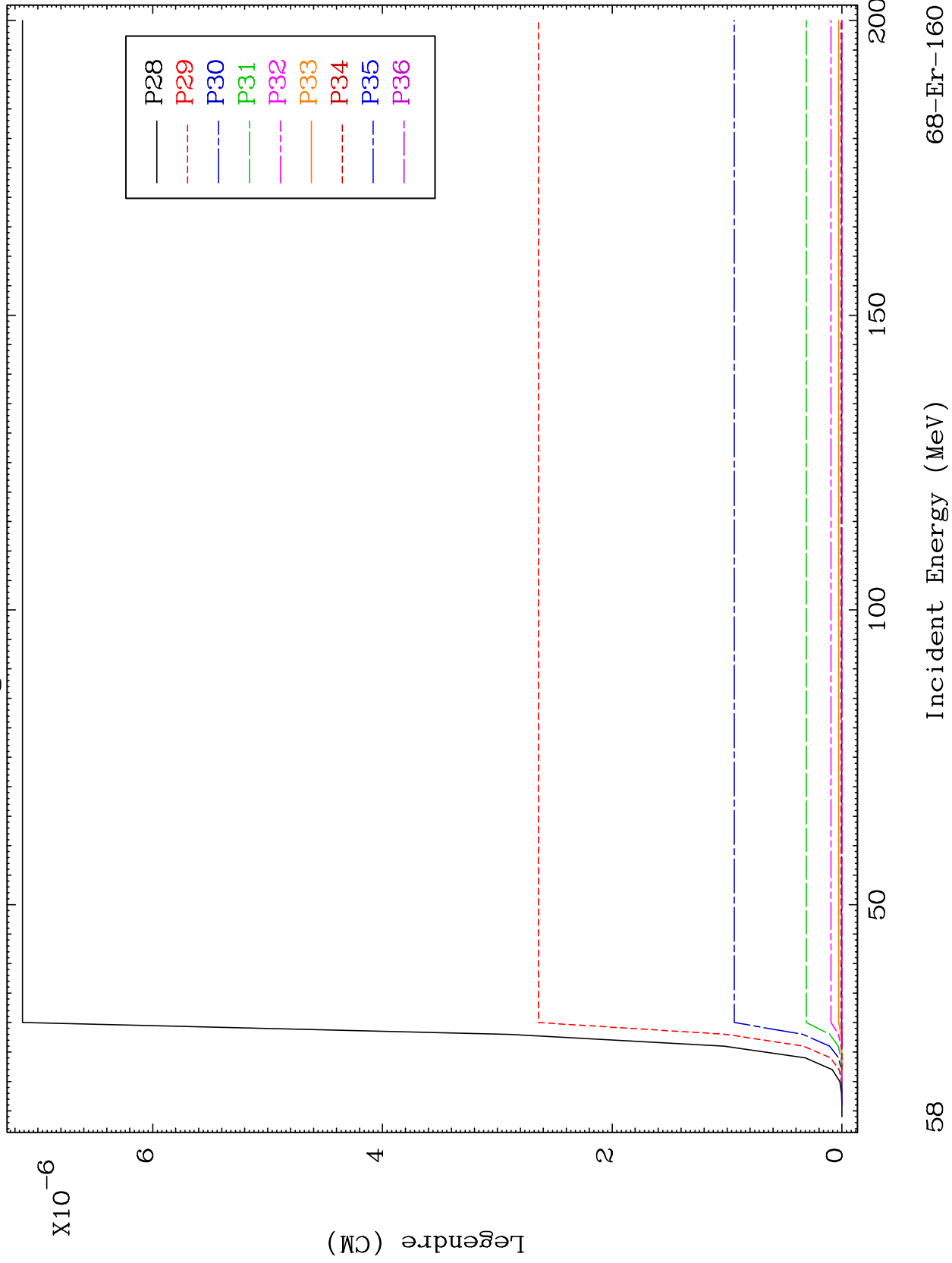
68-Er-160



MAT 6819

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

68-Er-160



58

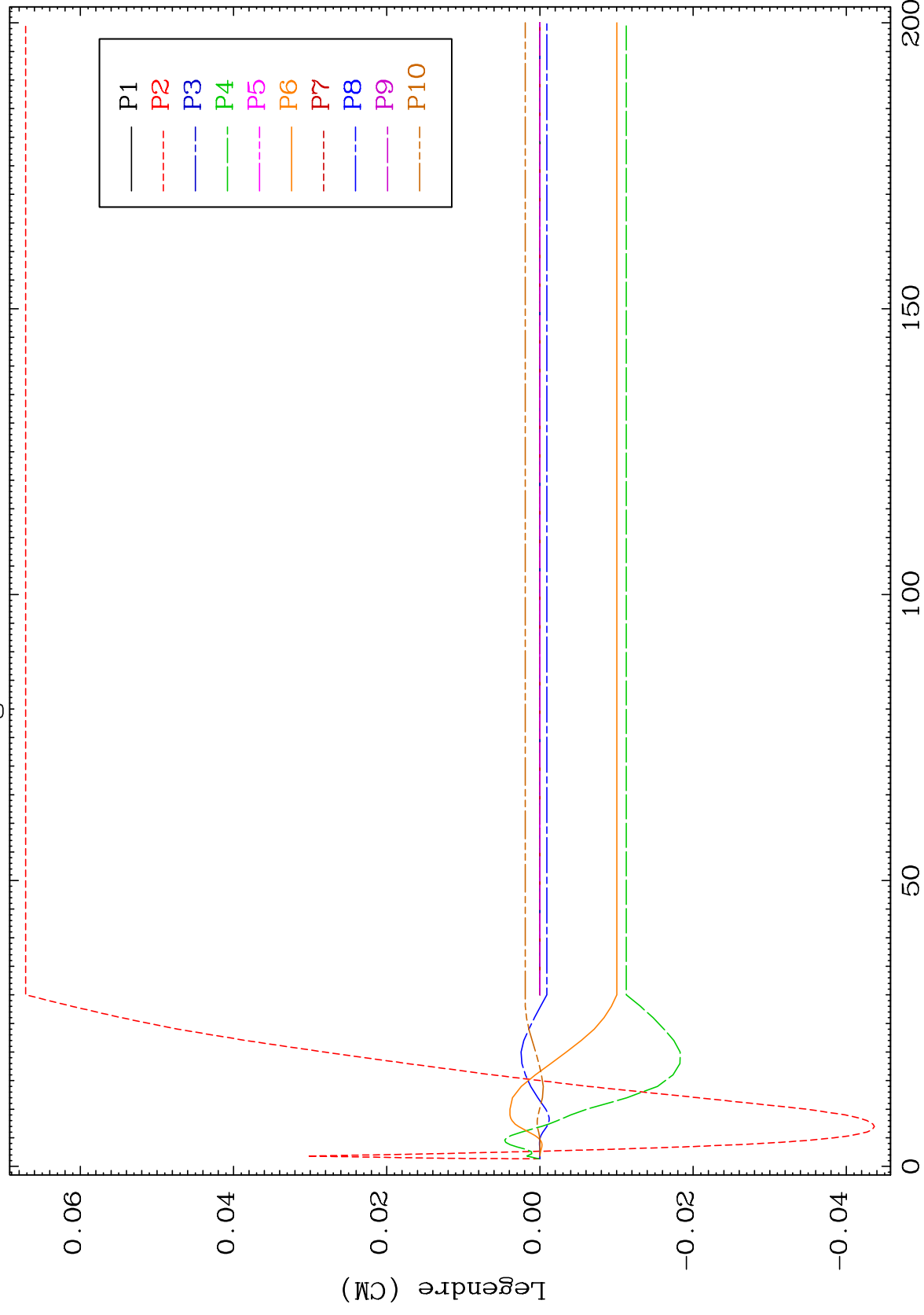
Incident Energy (MeV)

68-Er-160

MAT 6819

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

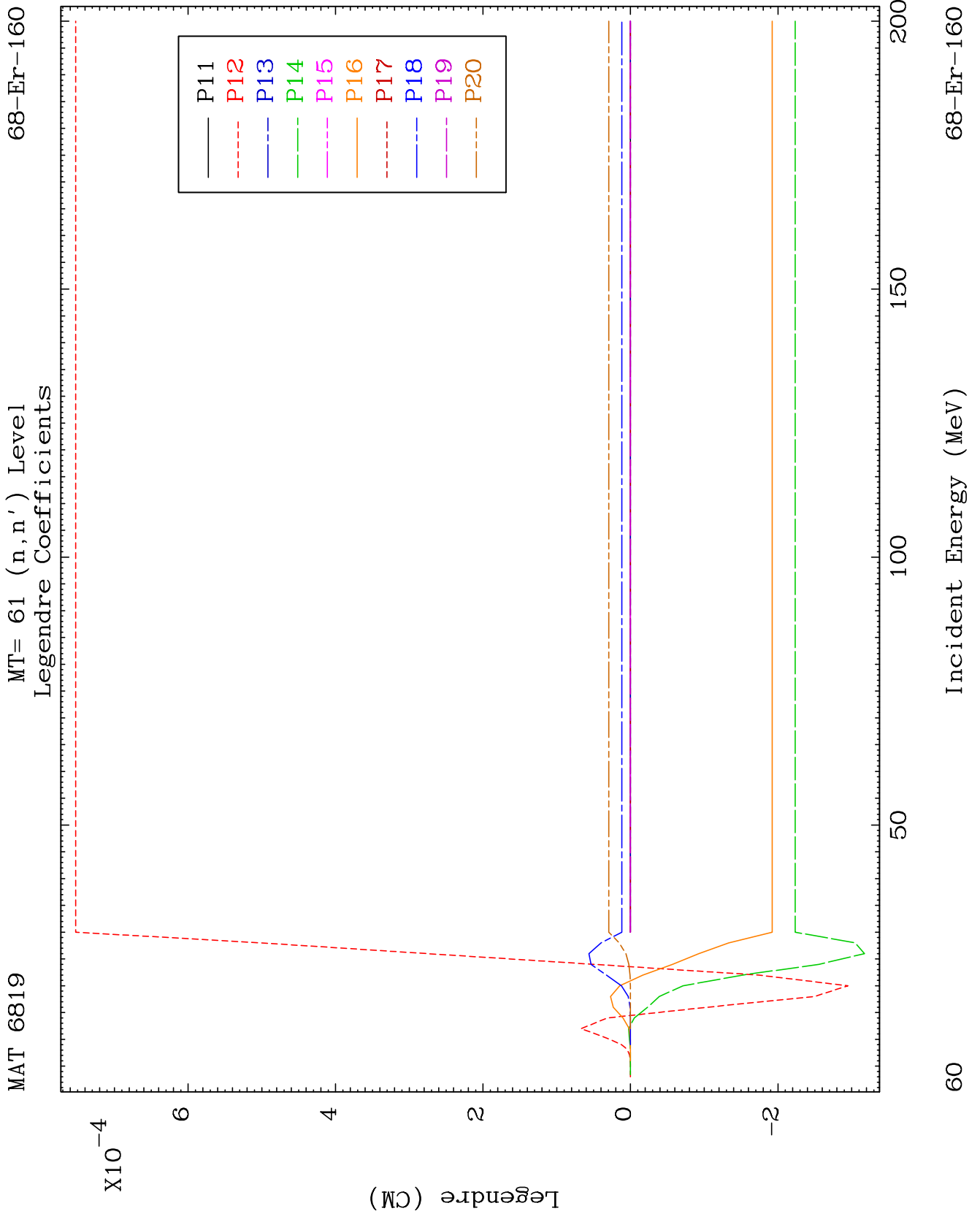
68-Er-160



68-Er-160

Incident Energy (MeV)

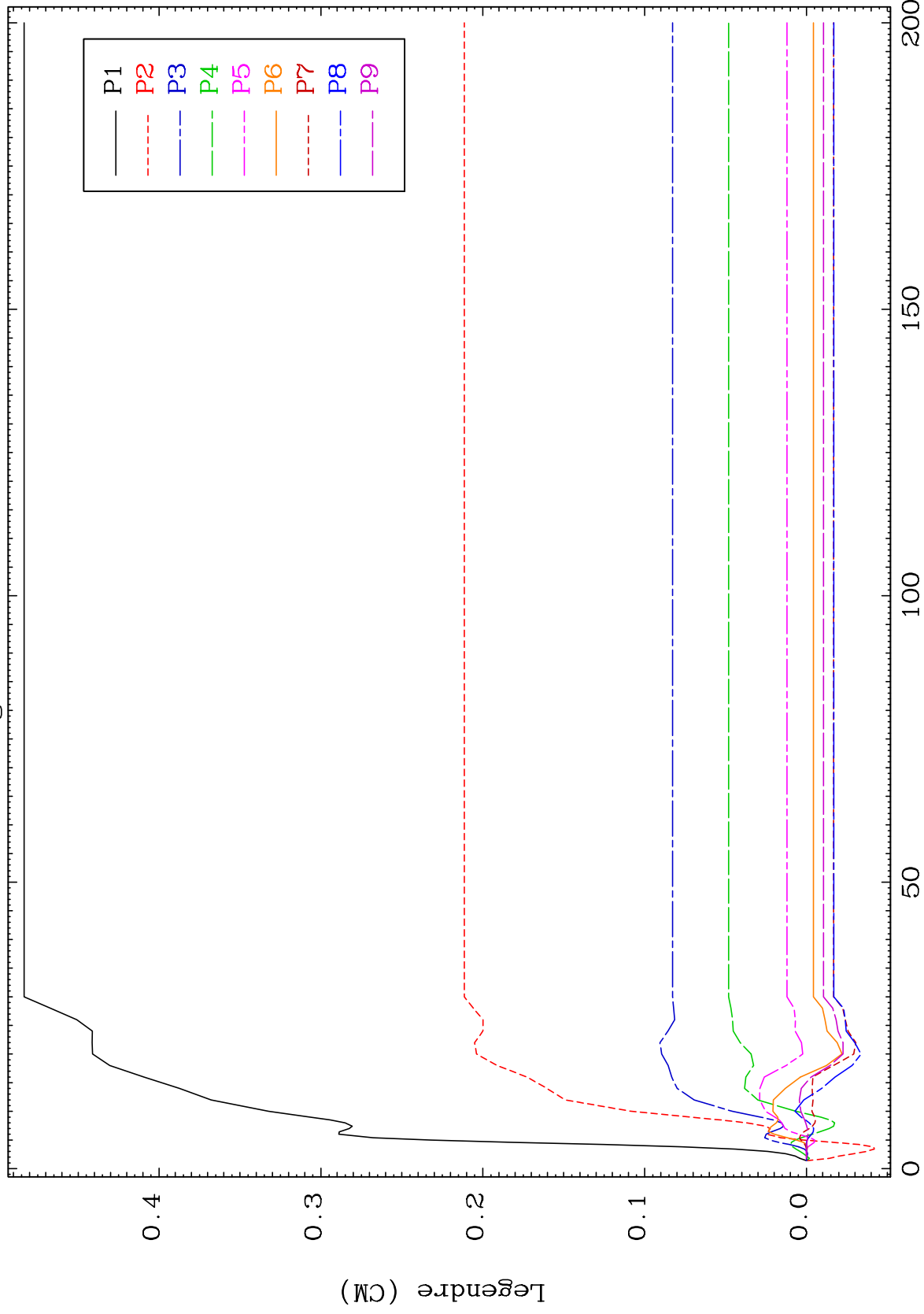
59



MAT 6819

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

68-Er-160



62

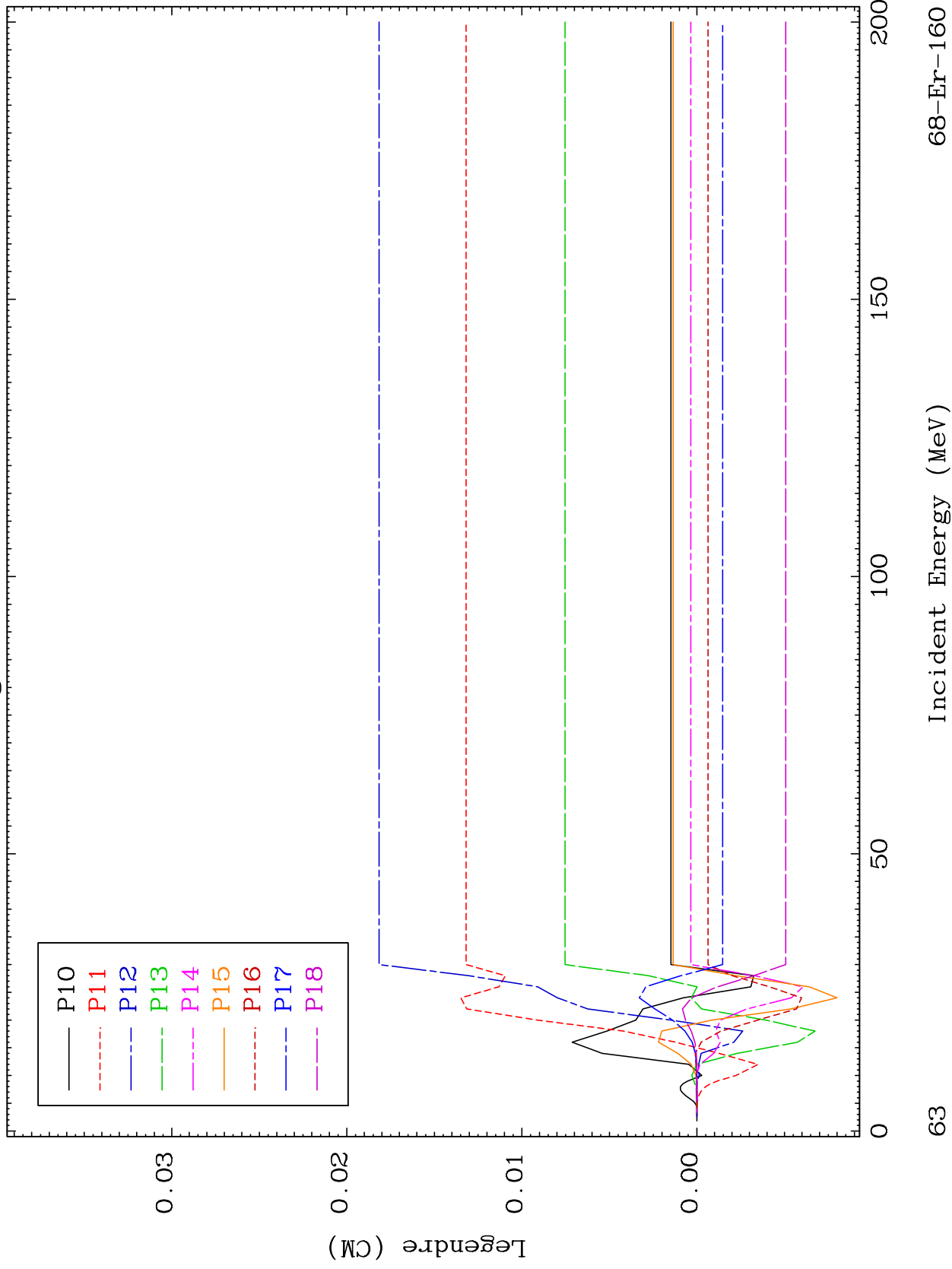
Incident Energy (MeV)

68-Er-160

MAT 6819

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

68-Er-160



68-Er-160

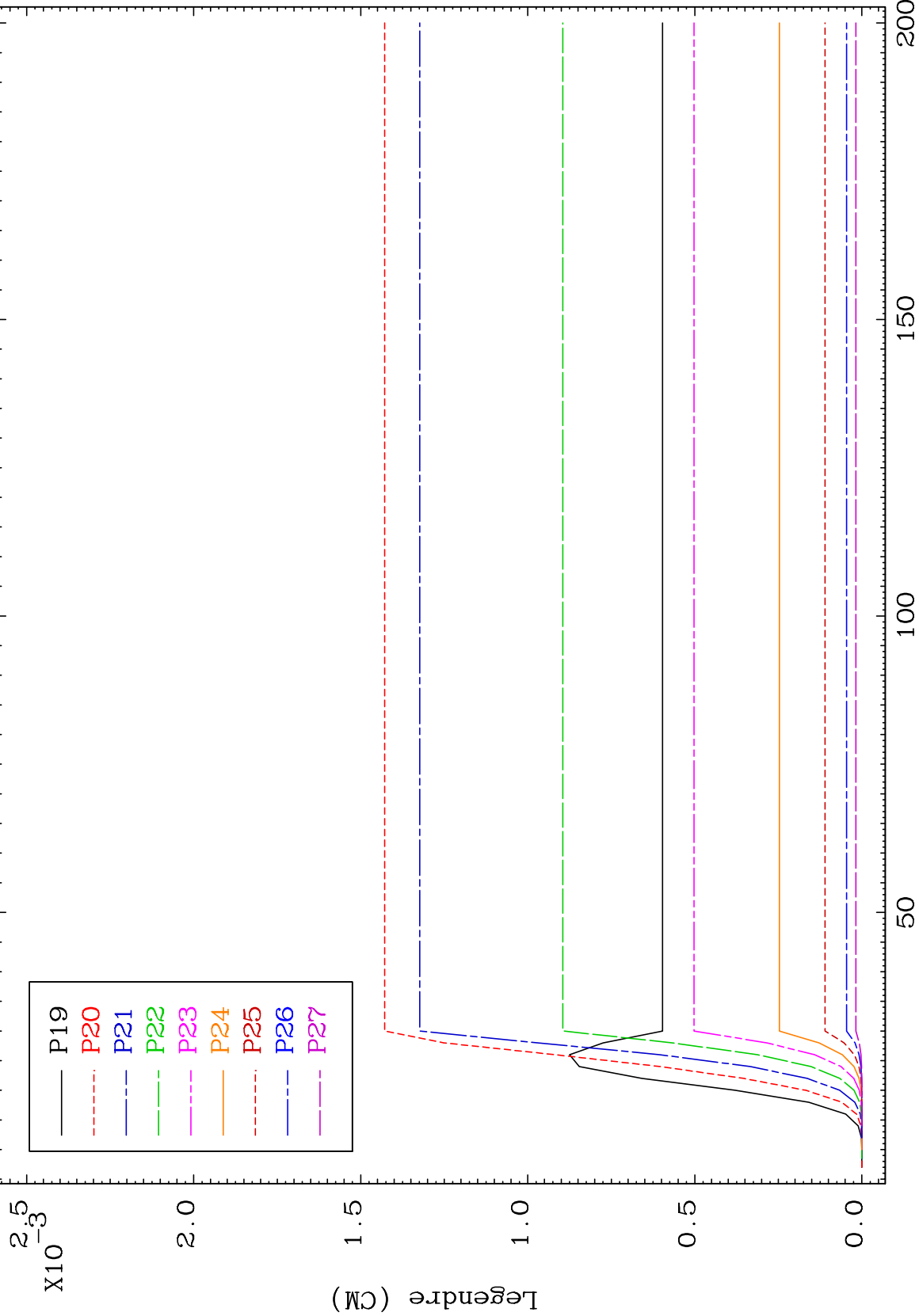
Incident Energy (MeV)

63

MAT 6819

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

68-Er-160



64

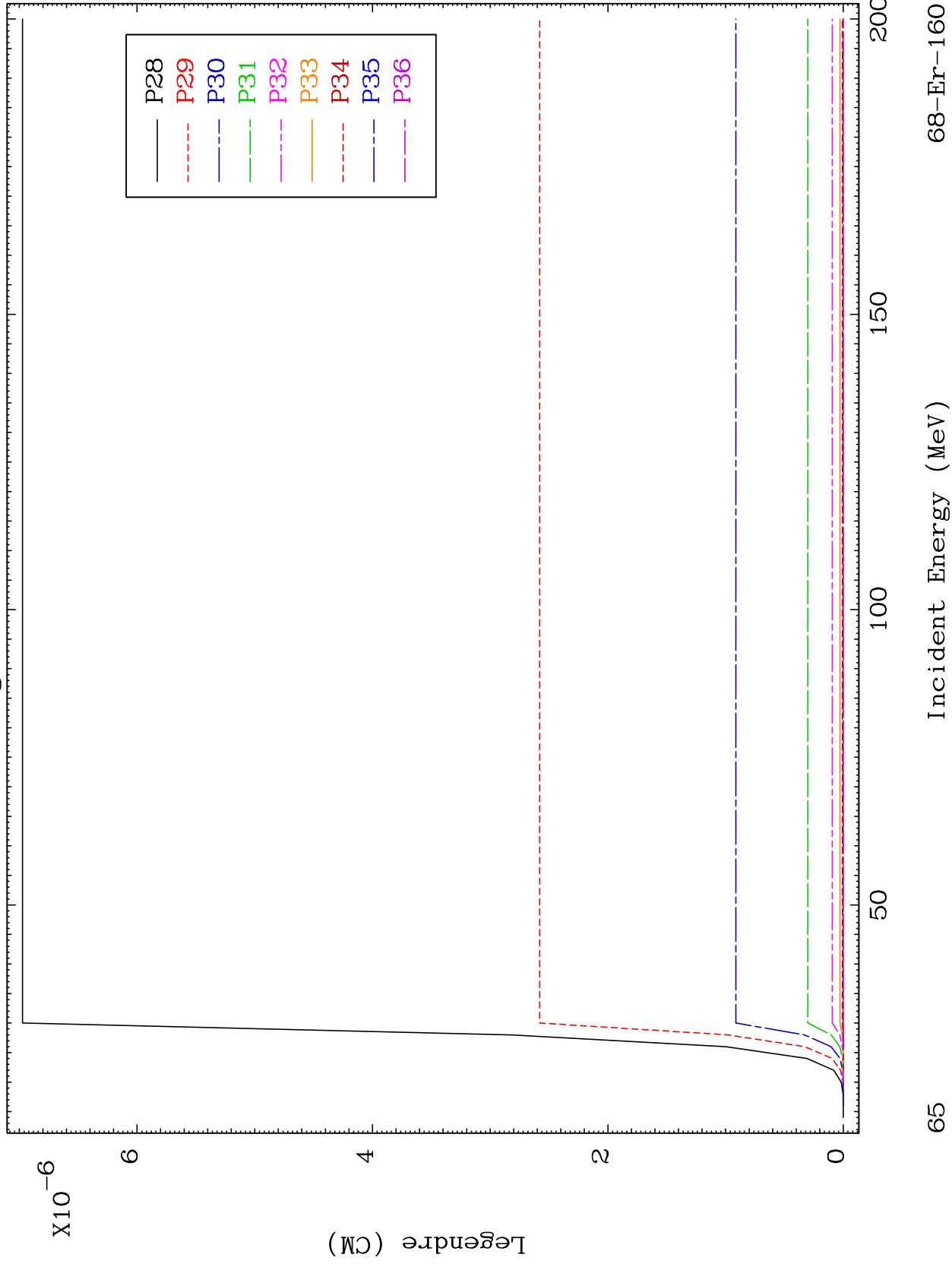
Incident Energy (MeV)

68-Er-160

MAT 6819

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

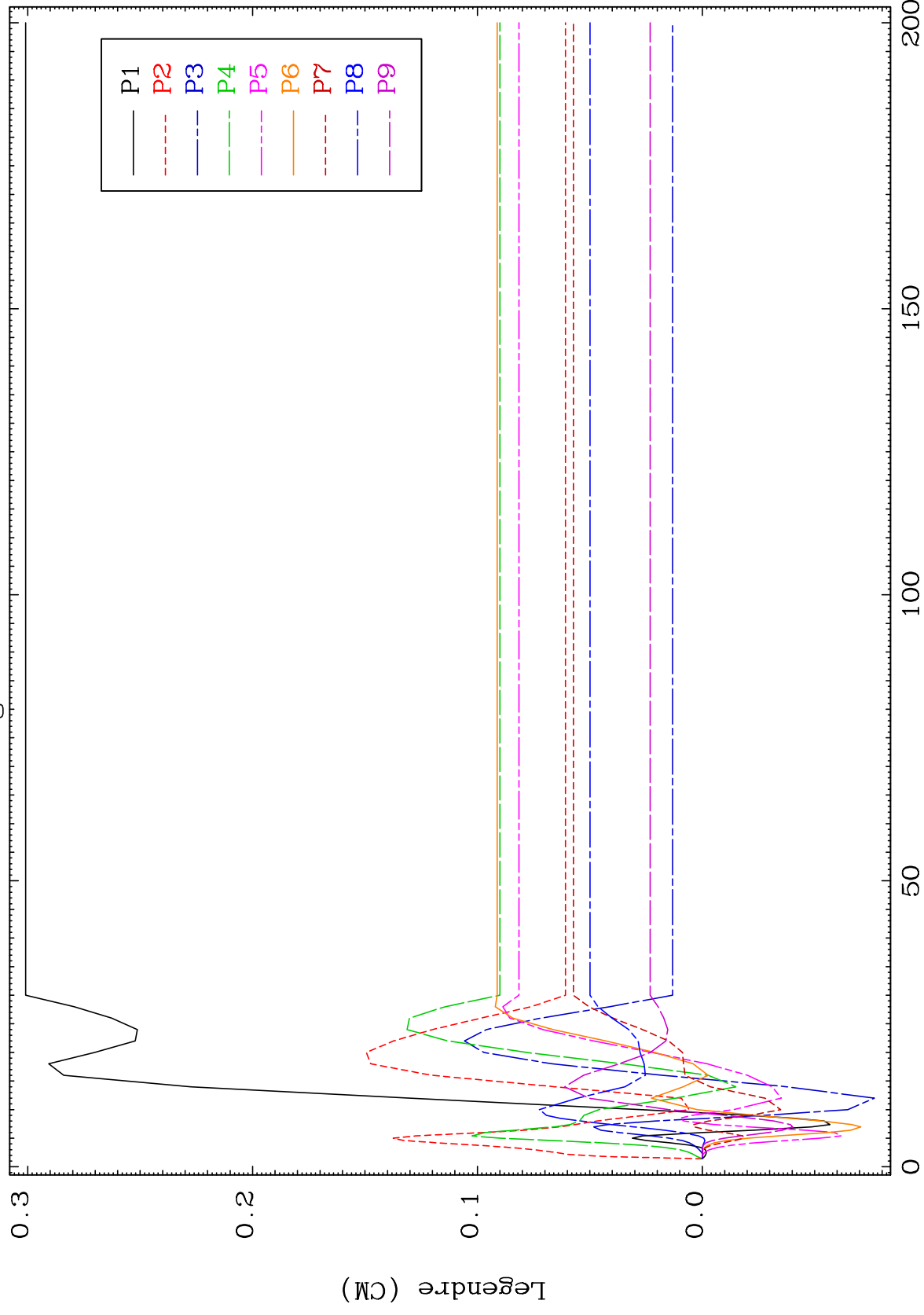
68-Er-160



MAT 6819

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

68-Er-160



66

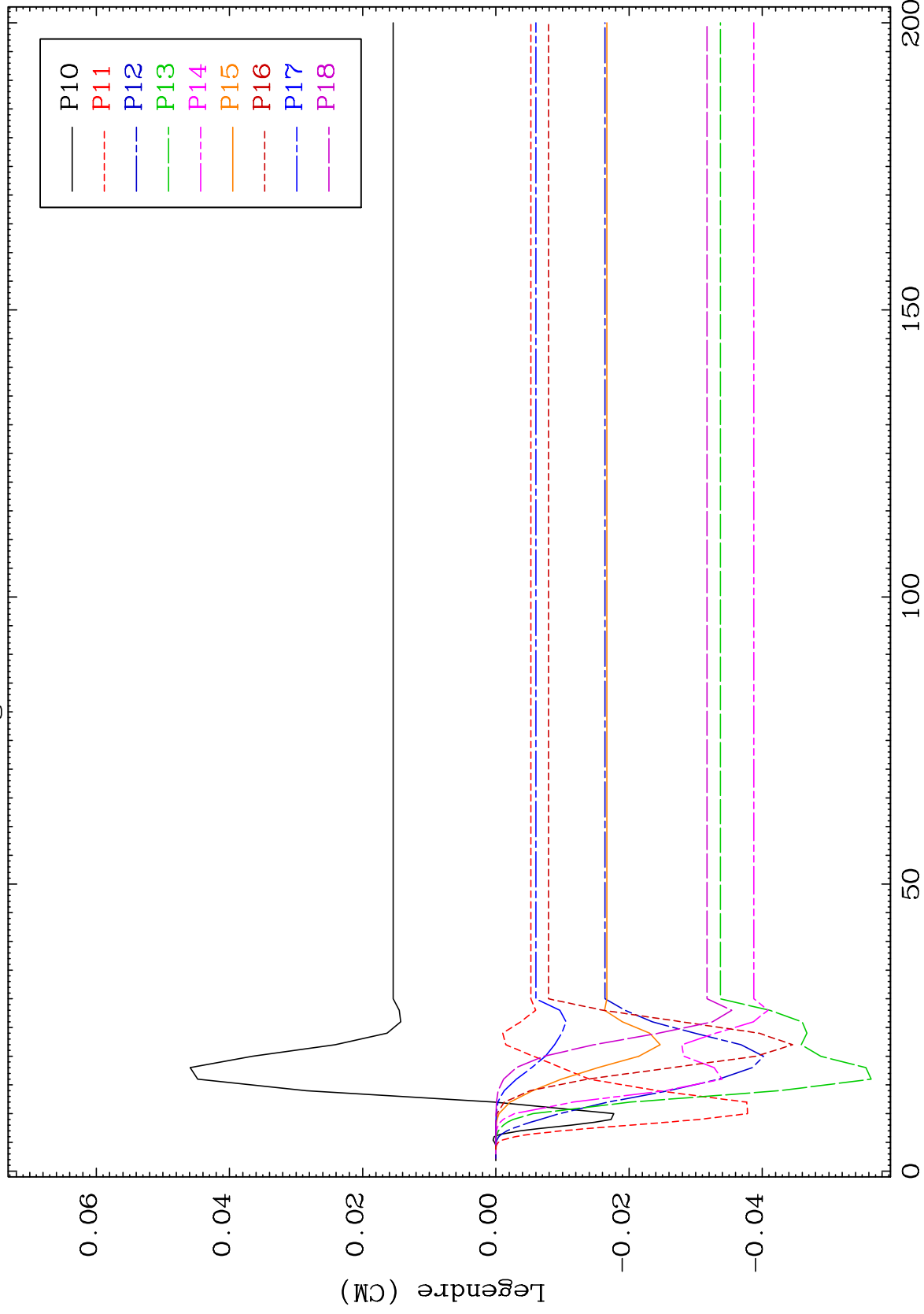
68-Er-160

68-Er-160

MAT 6819

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

68-Er-160



67

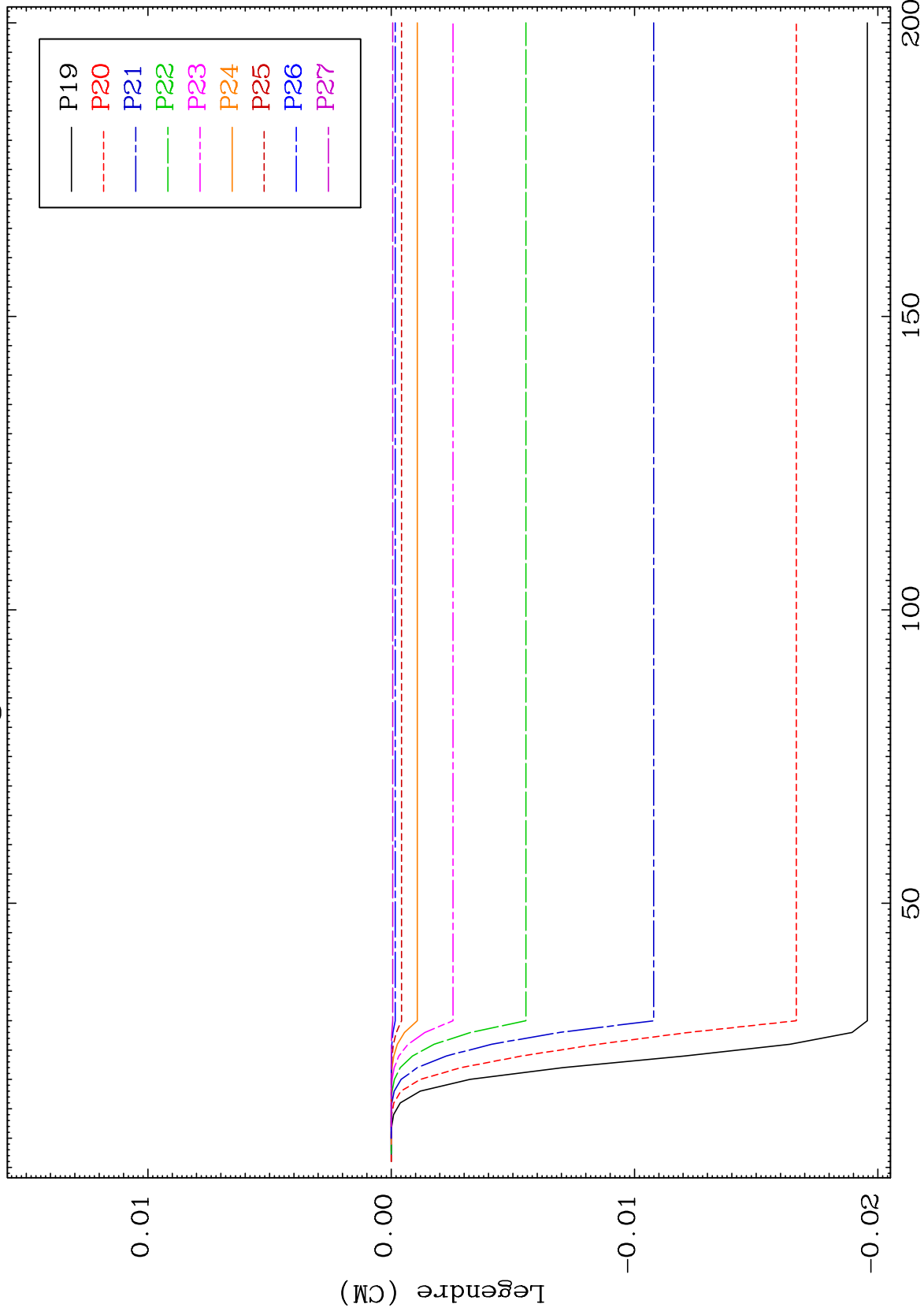
Incident Energy (MeV)

68-Er-160

MAT 6819

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

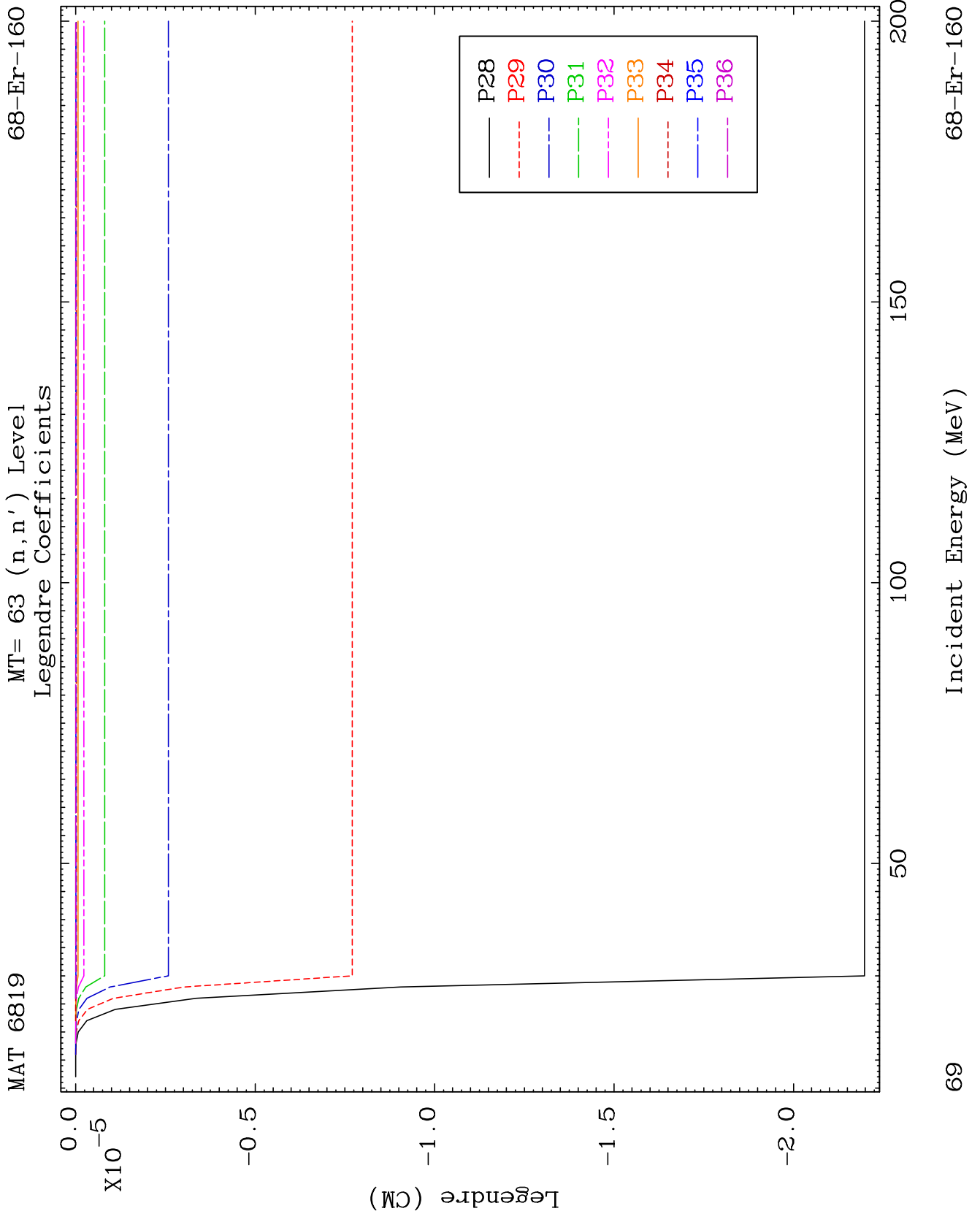
68-Er-160



68

Incident Energy (MeV)

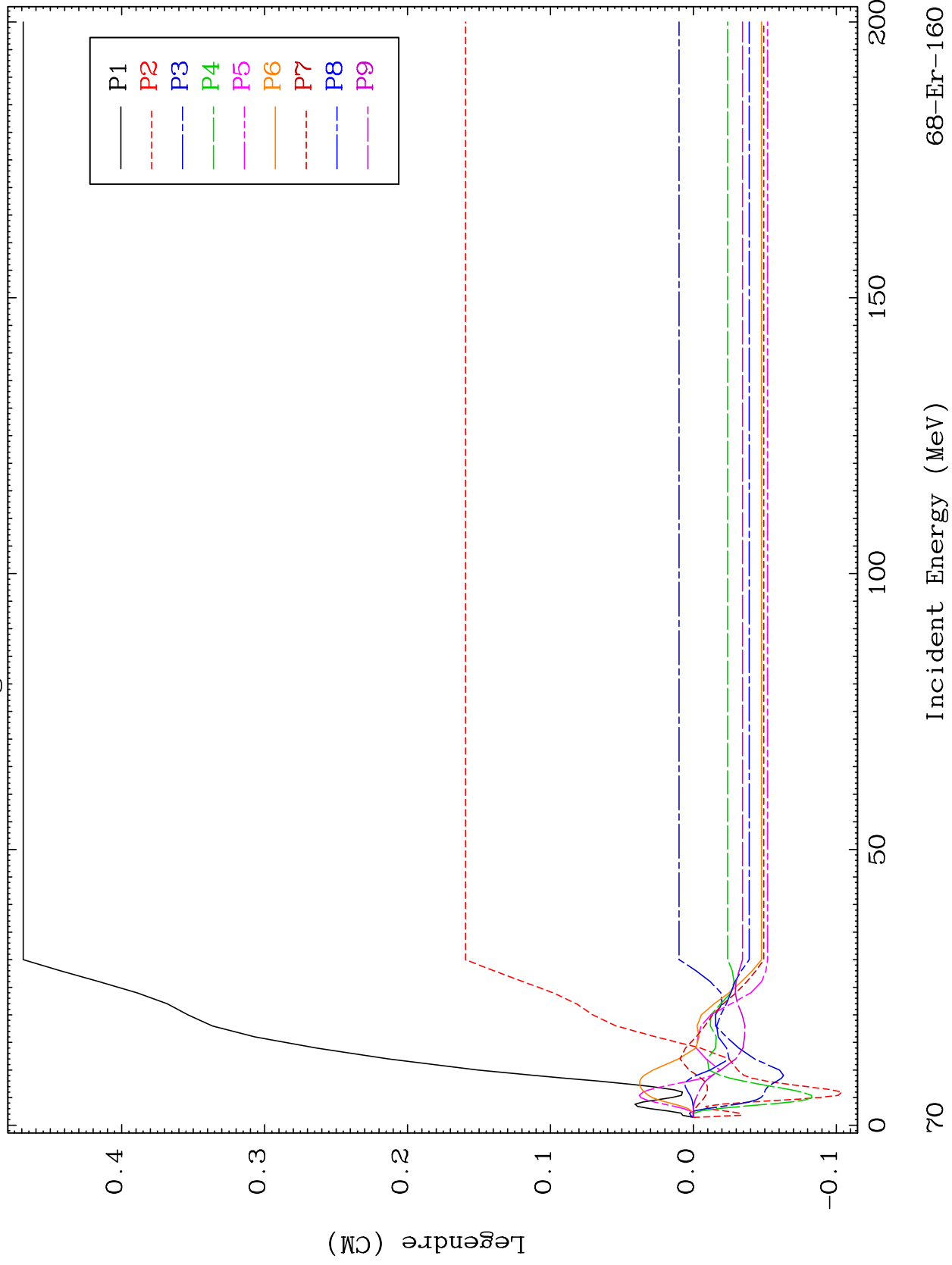
68-Er-160



MAT 6819

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

68-Er-160



68-Er-160

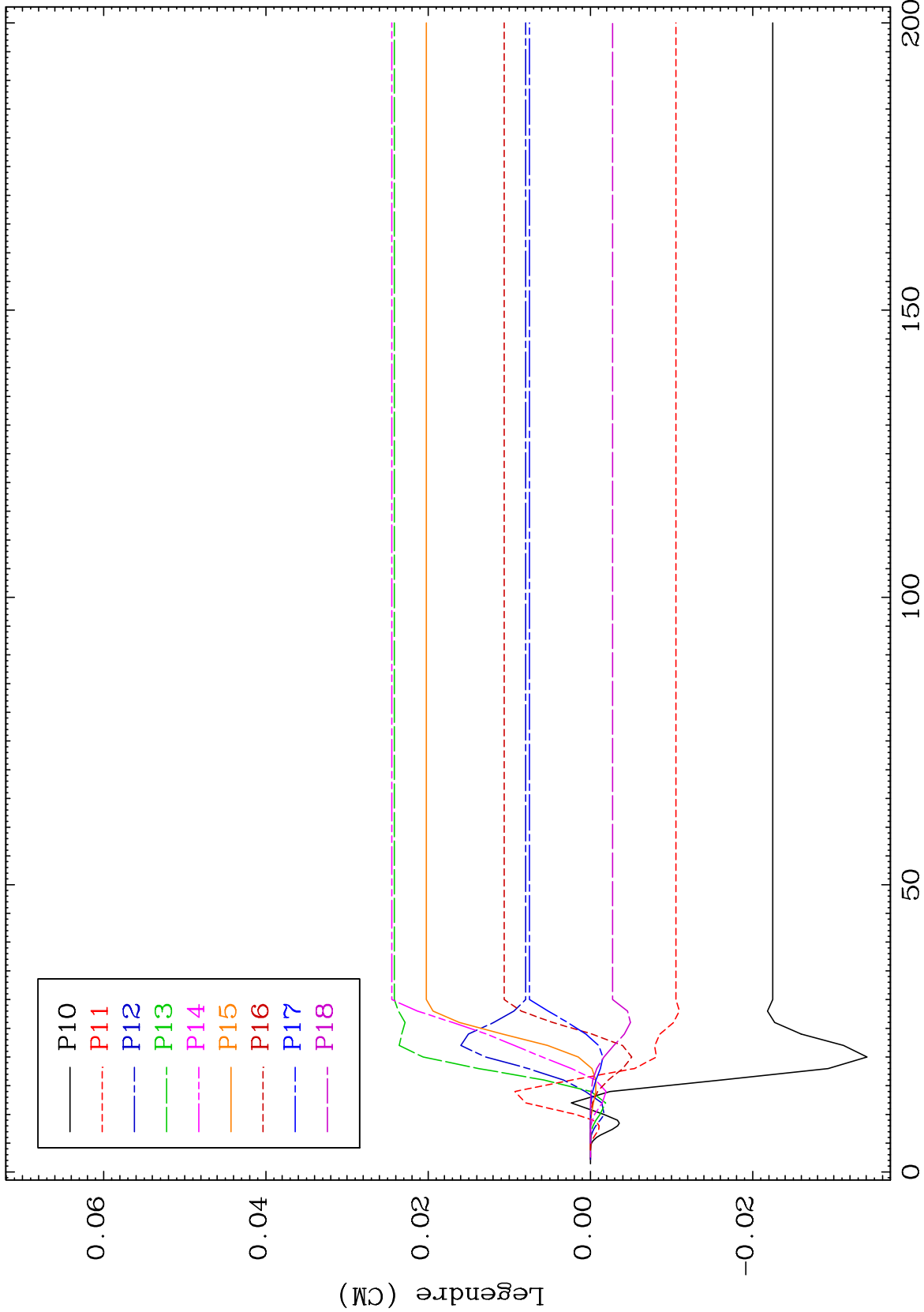
Incident Energy (MeV)

70

MAT 6819

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

68-Er-160



71

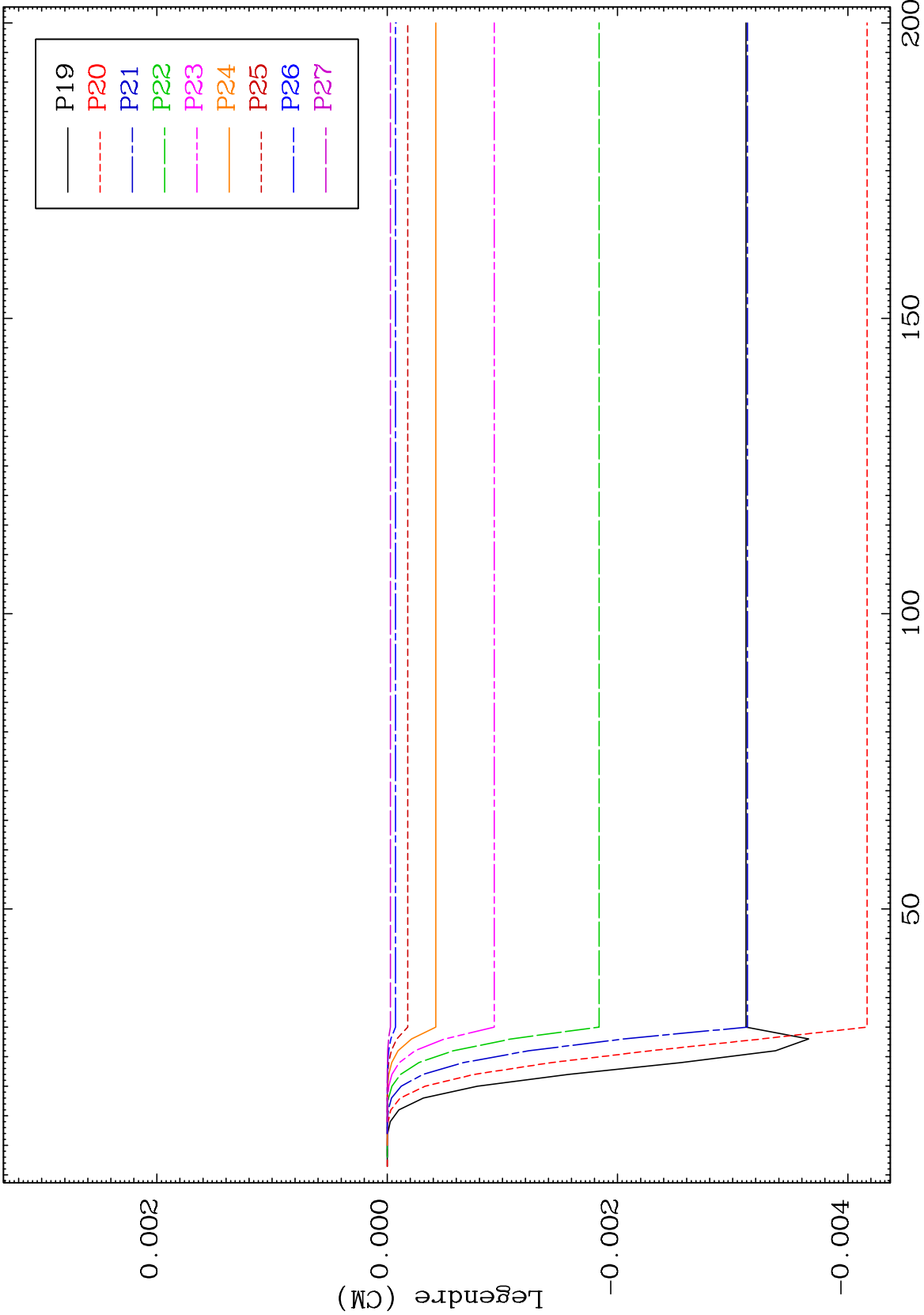
Incident Energy (MeV)

68-Er-160

MAT 6819

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

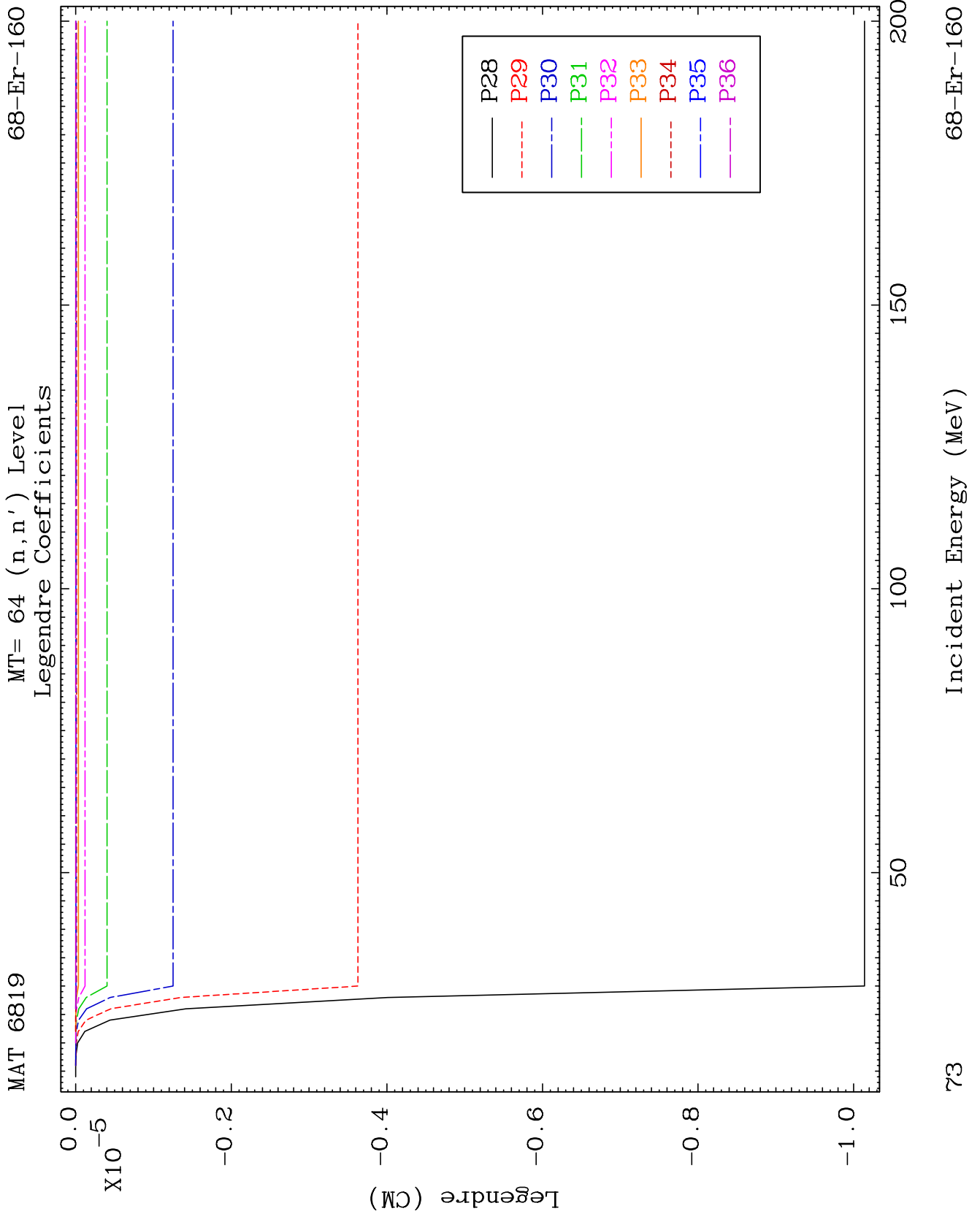
68-Er-160



72

Incident Energy (MeV)

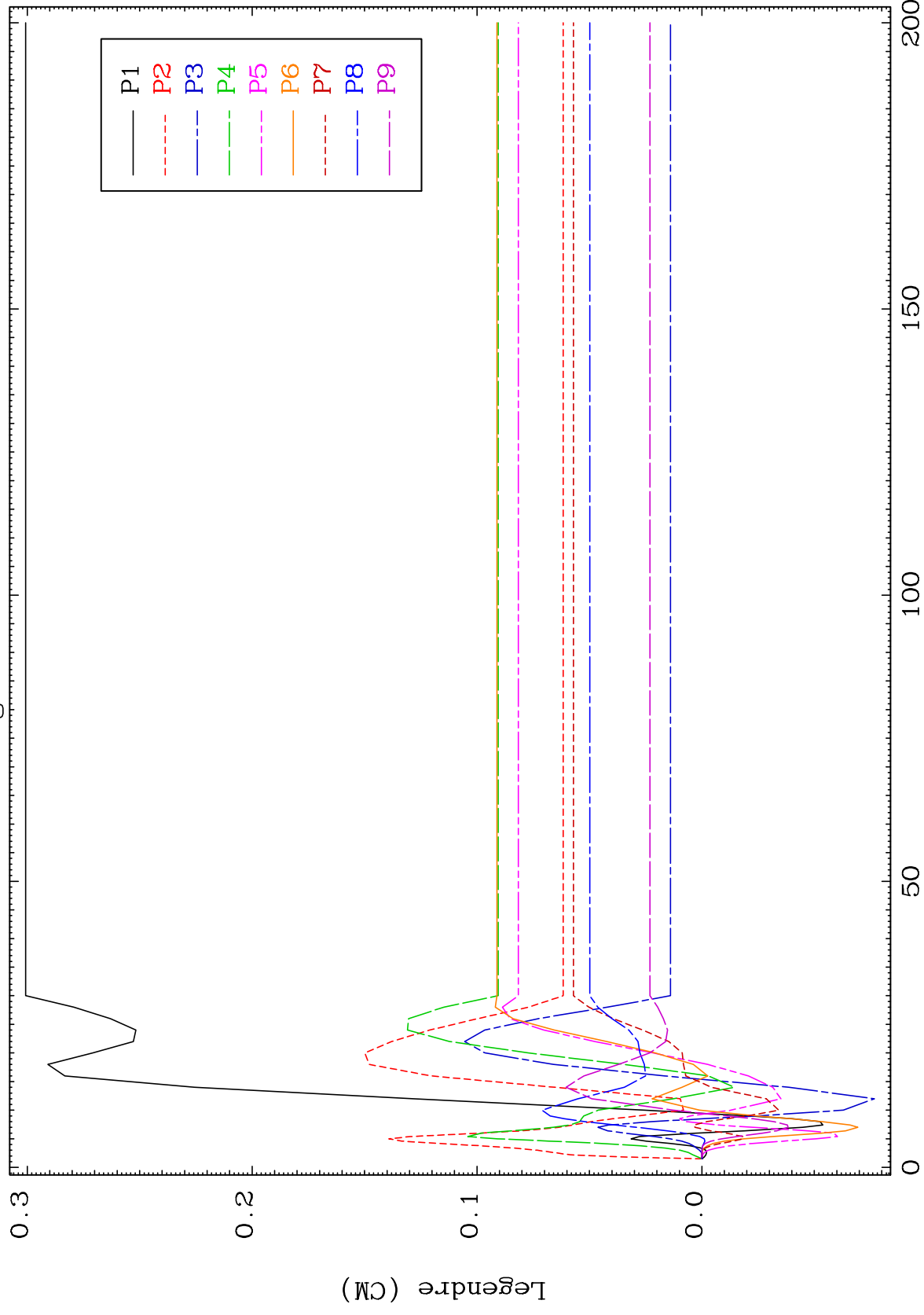
68-Er-160



MAT 6819

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

68-Er-160



74

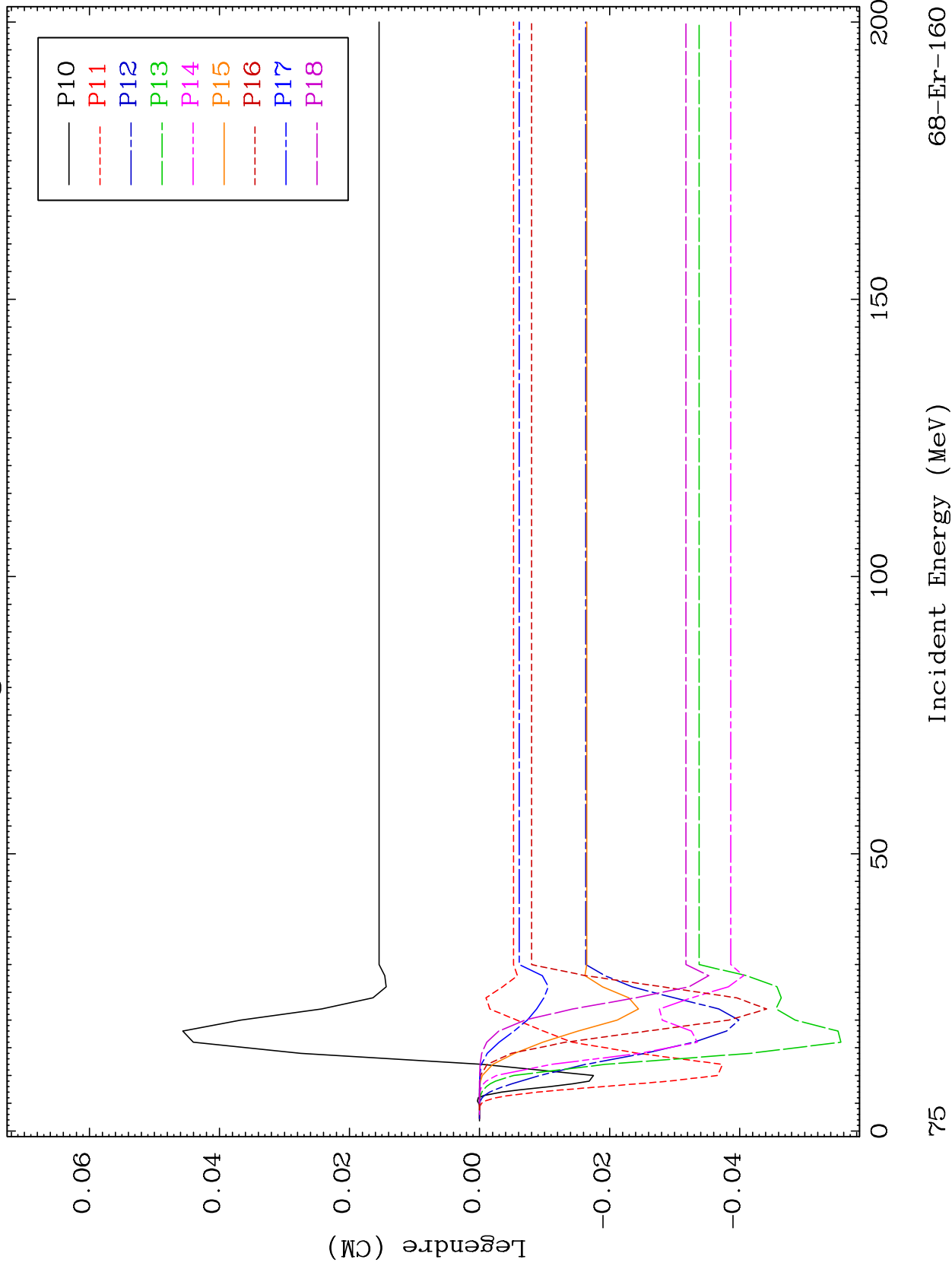
Incident Energy (MeV)

68-Er-160

MAT 6819

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

68-Er-160



68-Er-160

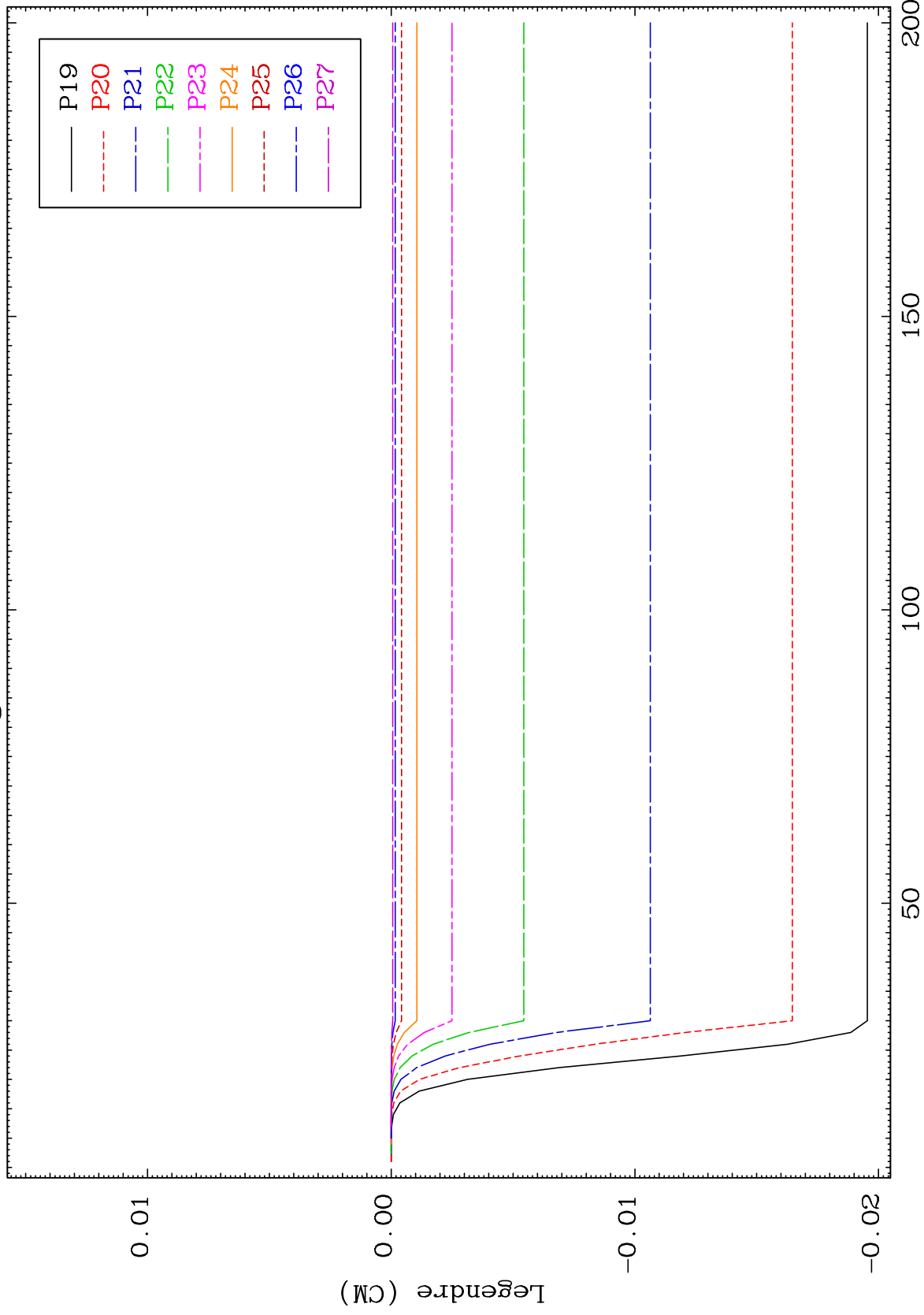
Incident Energy (MeV)

75

MAT 6819

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

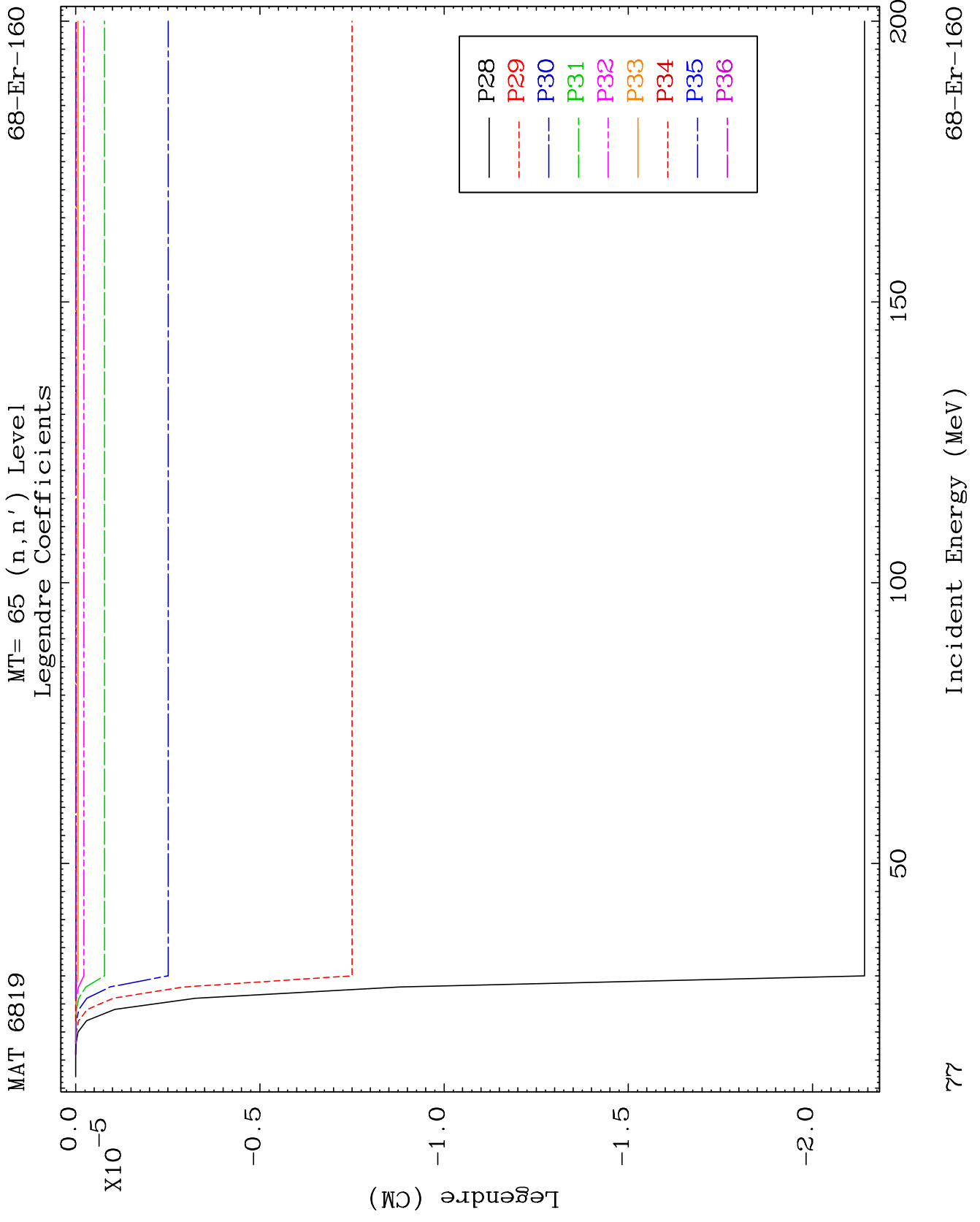
68-Er-160



76

Incident Energy (MeV)

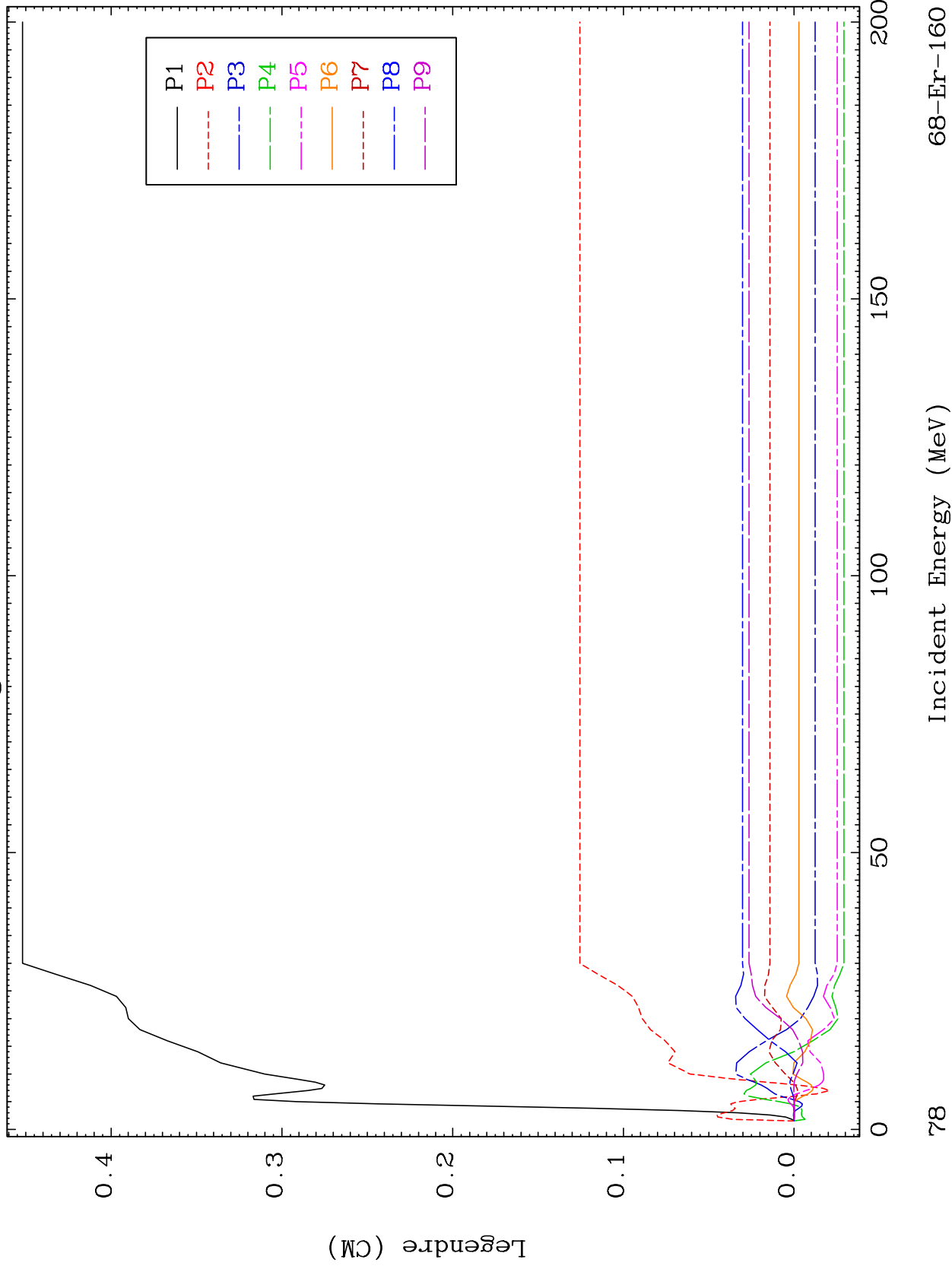
68-Er-160



MAT 6819

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

68-Er-160

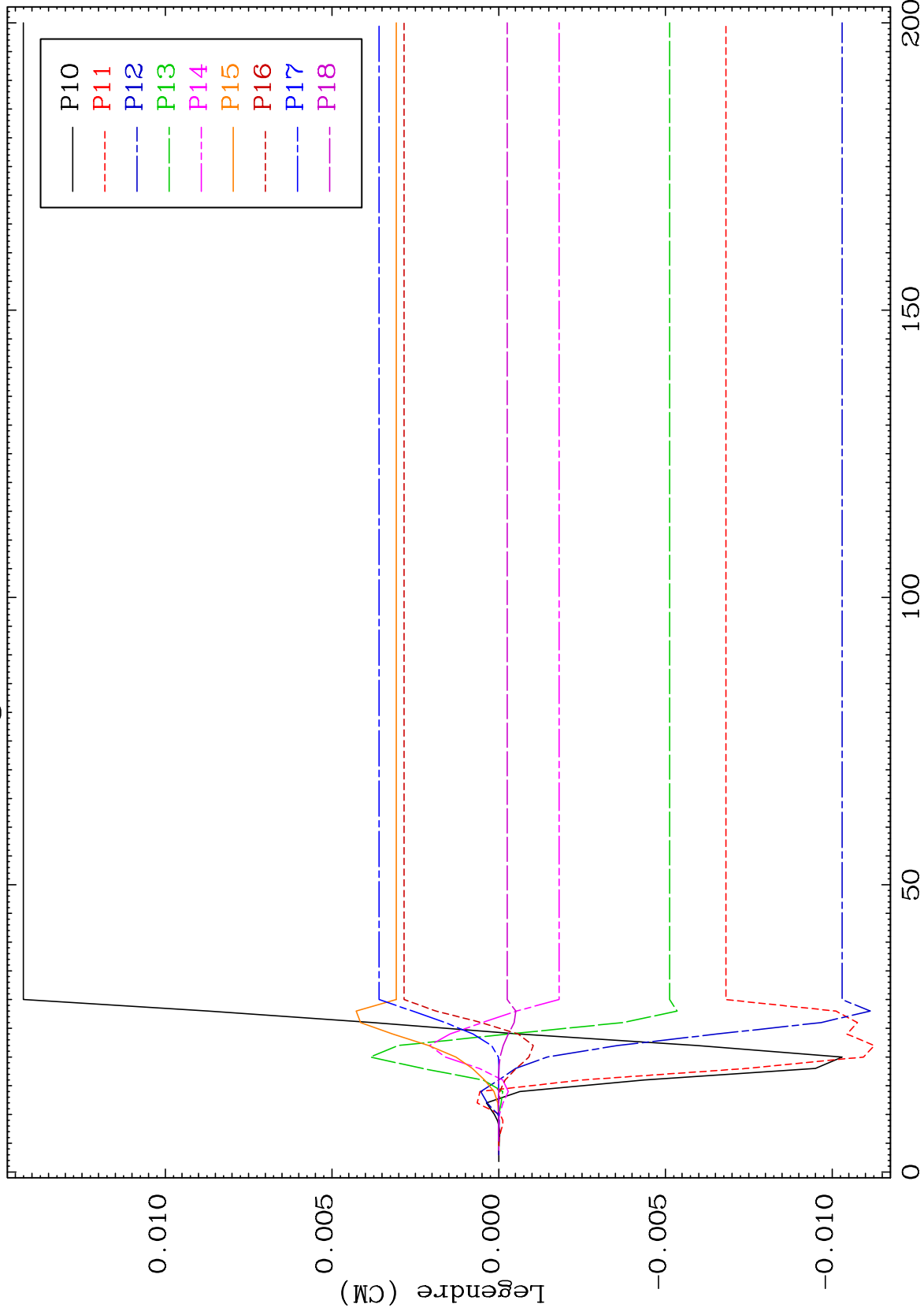


78

MAT 6819

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

68-Er-160



79

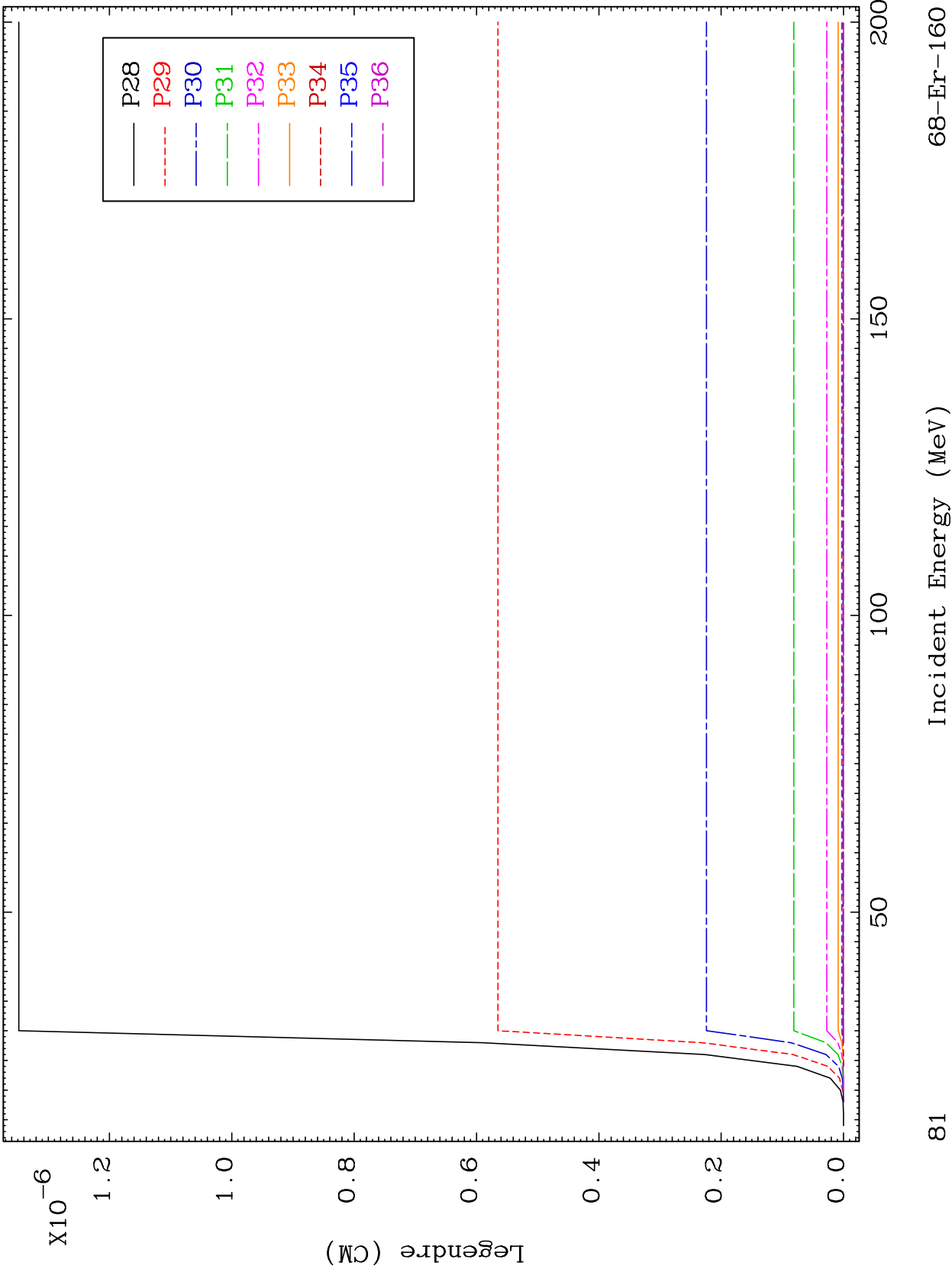
Incident Energy (MeV)

68-Er-160

MAT 6819

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

68-Er-160



81

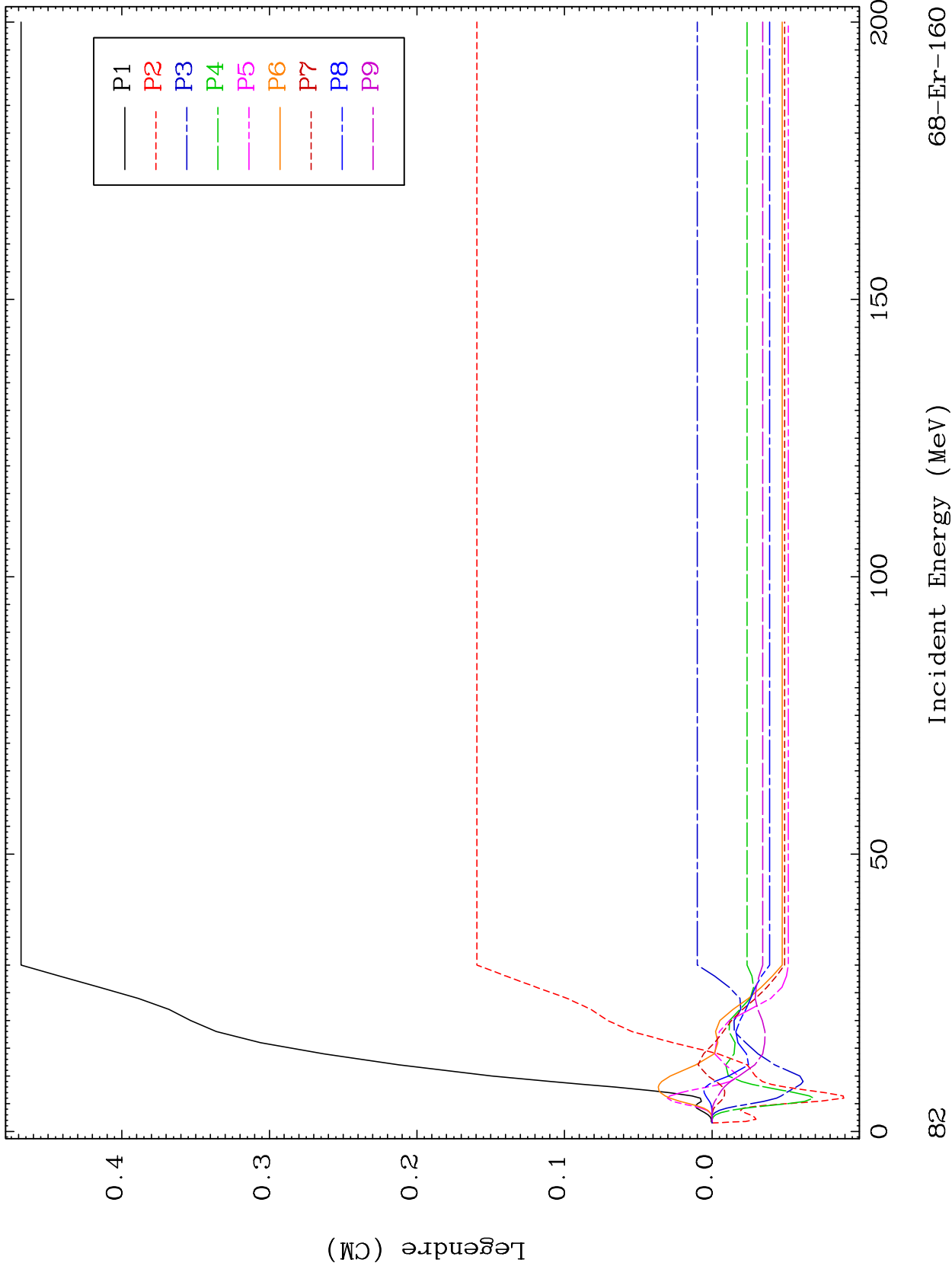
Incident Energy (MeV)

68-Er-160

MAT 6819

MT= 67 (n,n') Level
Legendre Coefficients

68-Er-160



68-Er-160

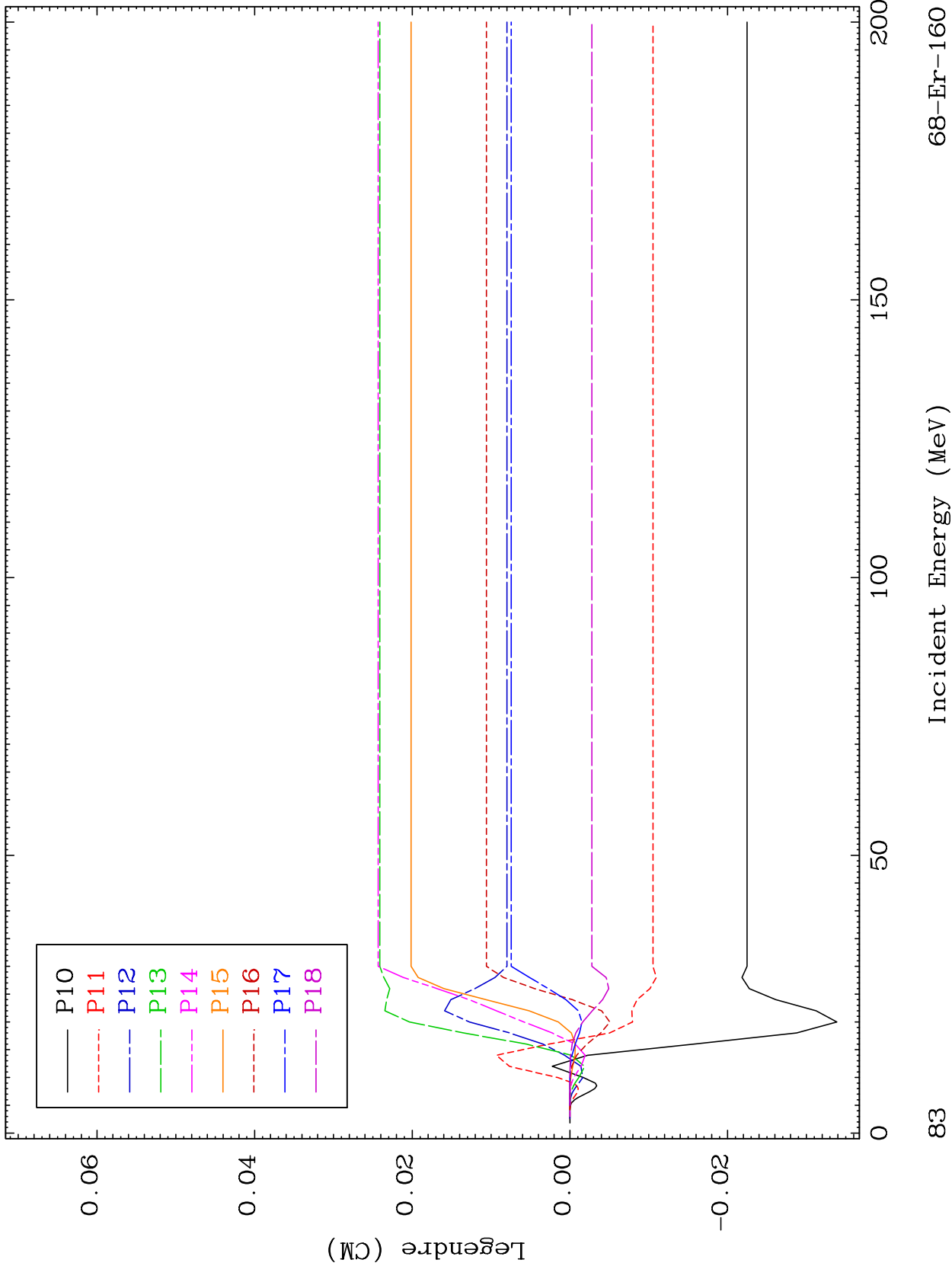
Incident Energy (MeV)

82

MAT 6819

MT= 67 (n,n') Level
Legendre Coefficients

68-Er-160



83

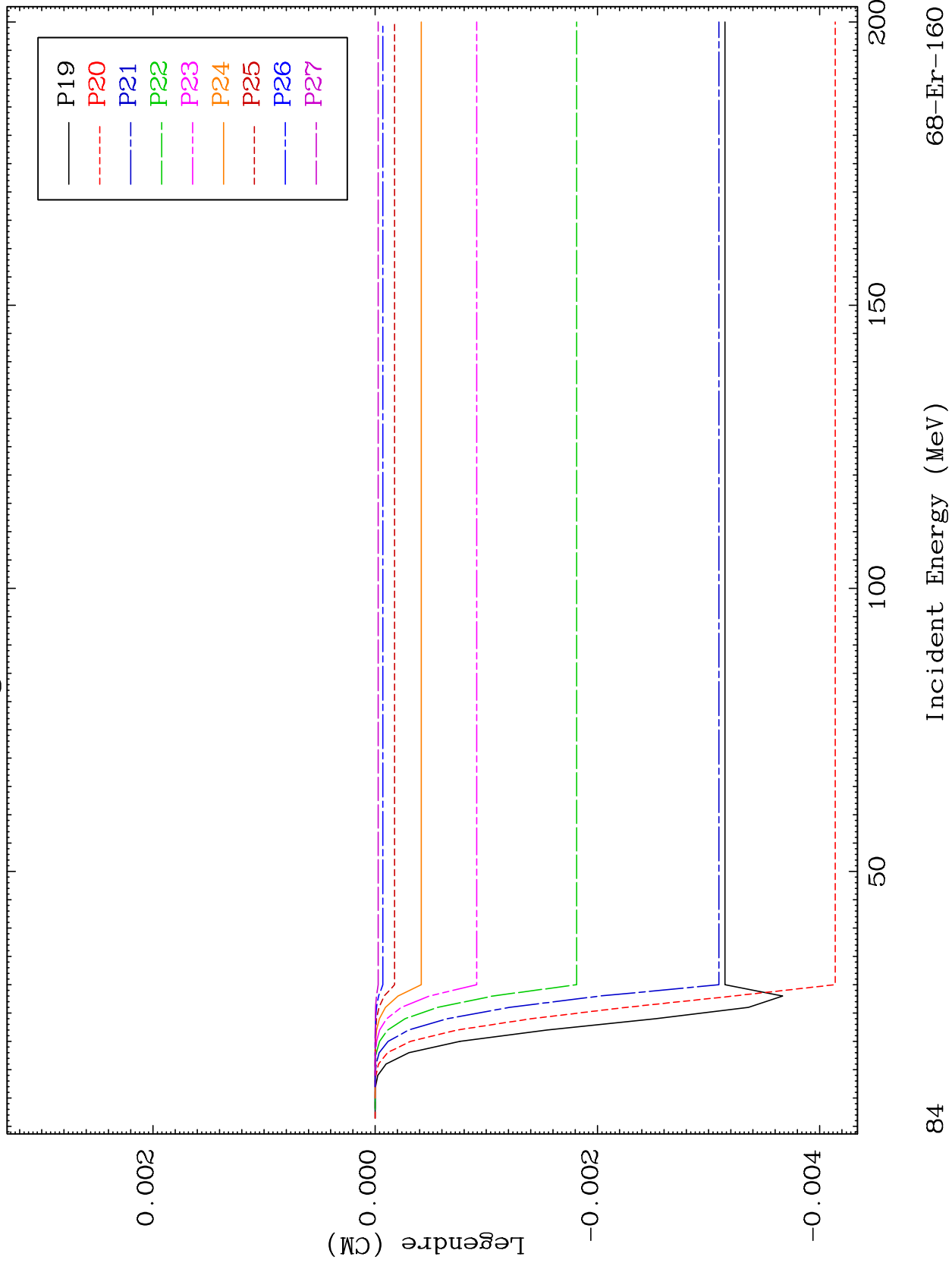
Incident Energy (MeV)

68-Er-160

MAT 6819

MT= 67 (n,n') Level
Legendre Coefficients

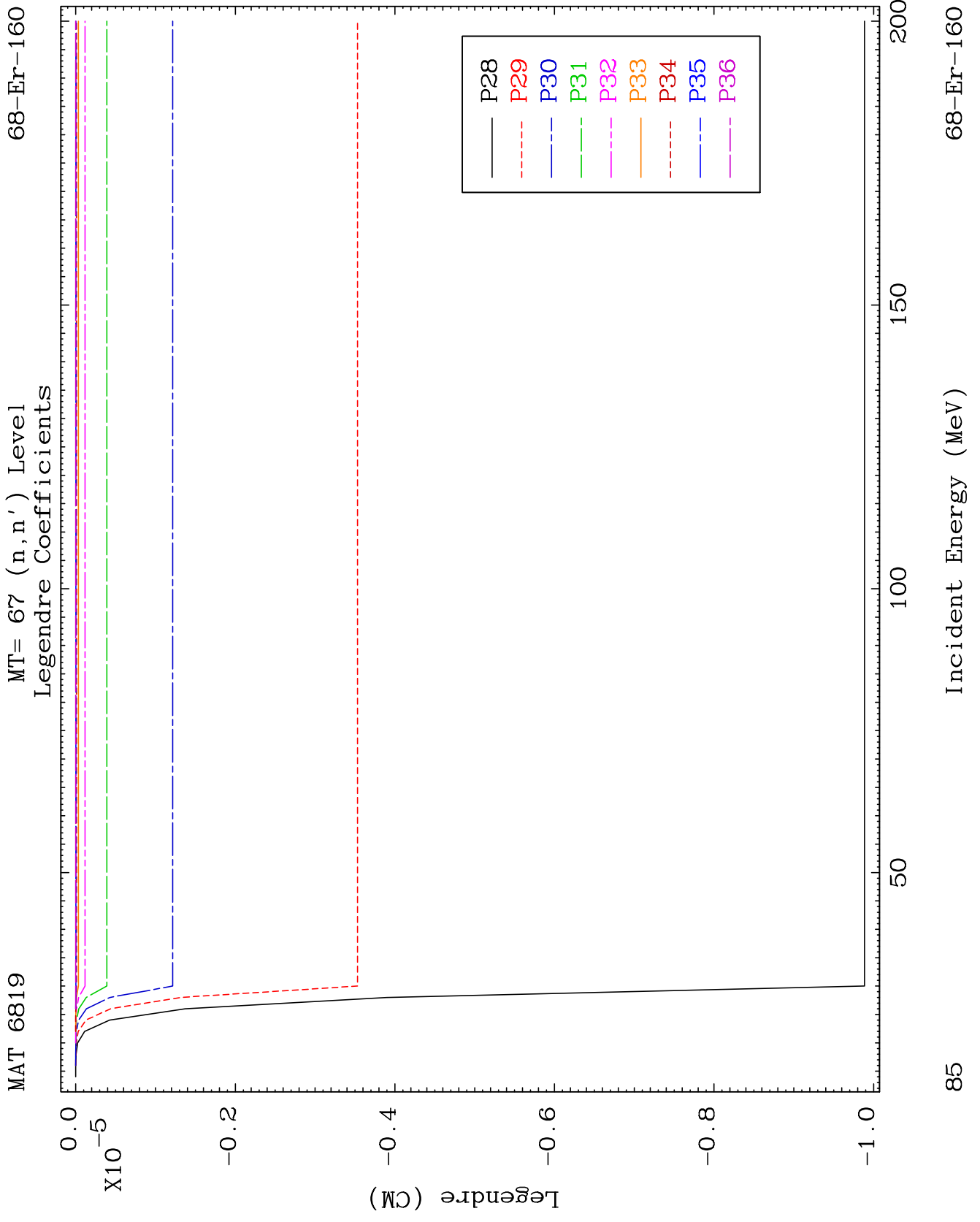
68-Er-160



84

Incident Energy (MeV)

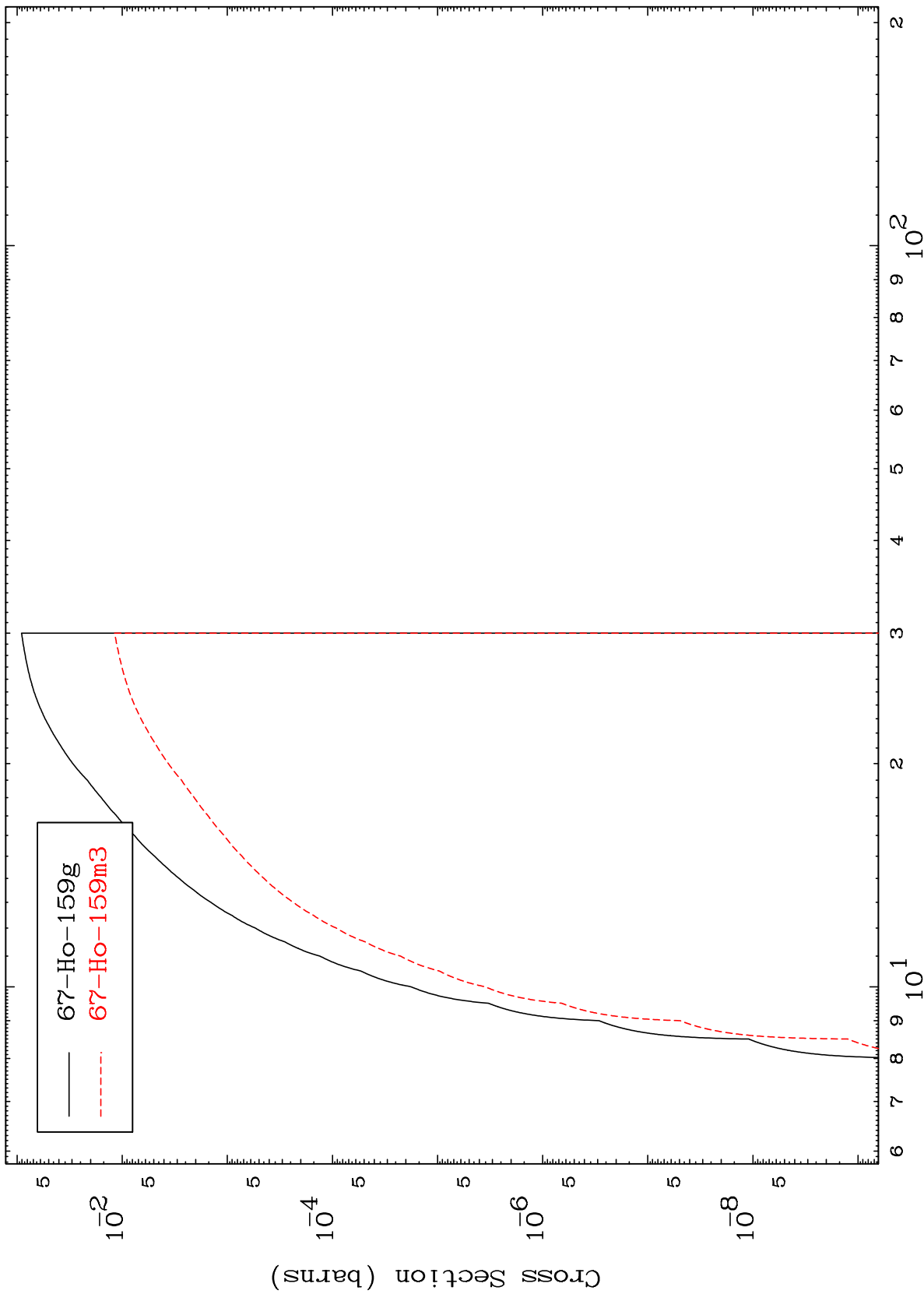
68-Er-160



MAT 6819

68-Er-160

(n,n') p
Radionuclide Production Cross Section



86

Incident Energy (MeV)

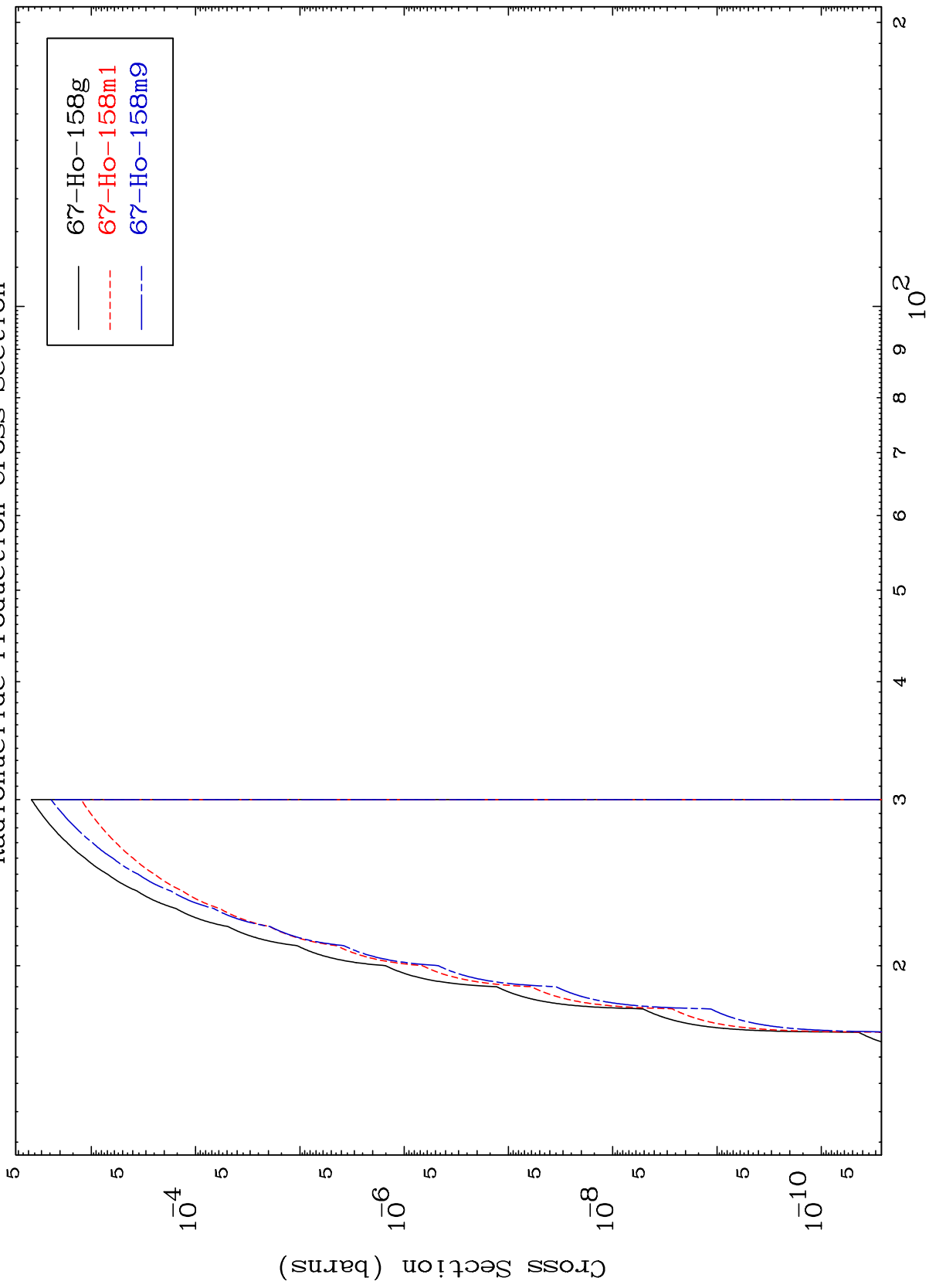
68-Er-160

MAT 6819

(n,n') d

68-Er-160

Radionuclide Production Cross Section

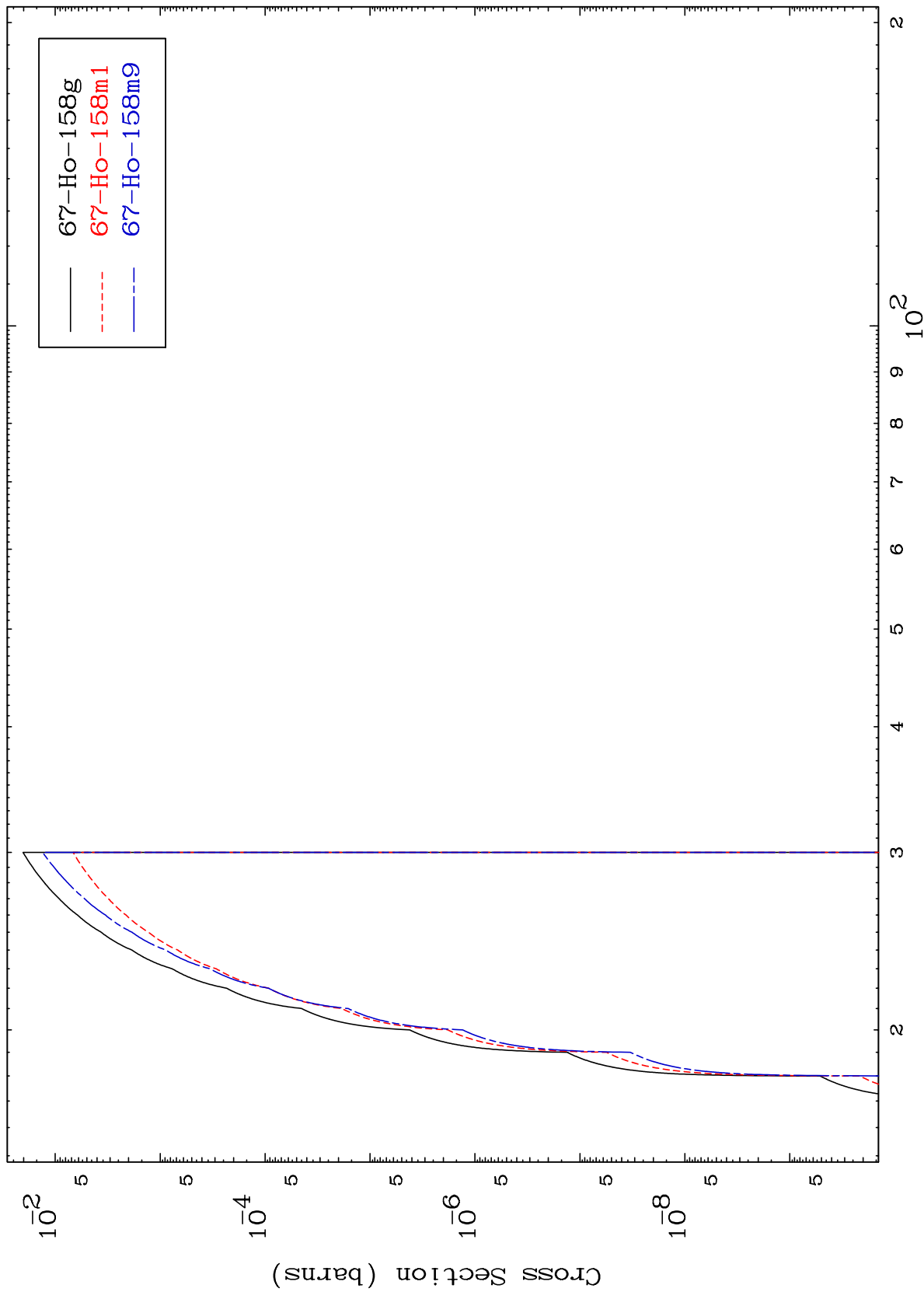


87

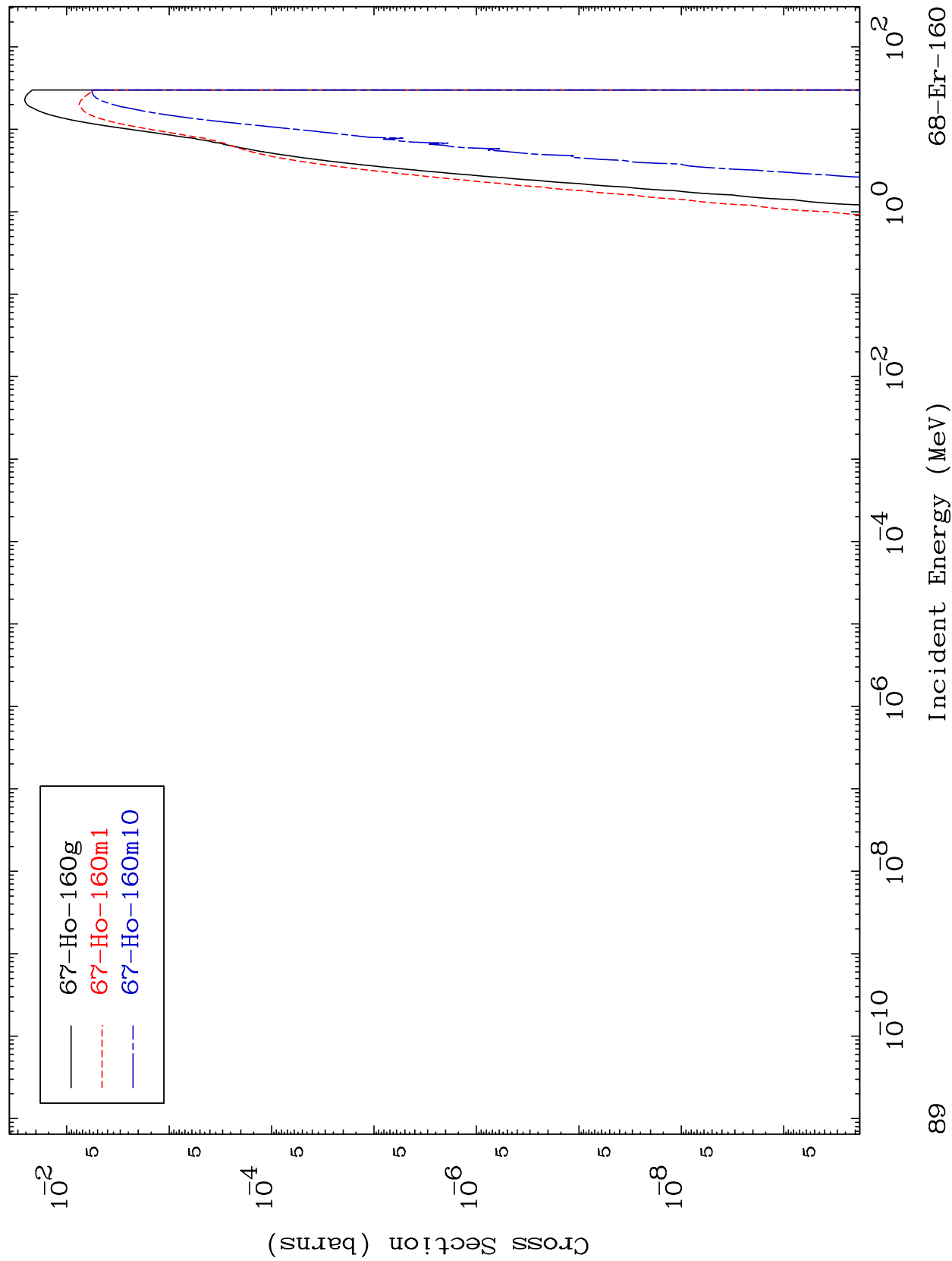
Incident Energy (MeV)

68-Er-160

Radionuclide Production Cross Section



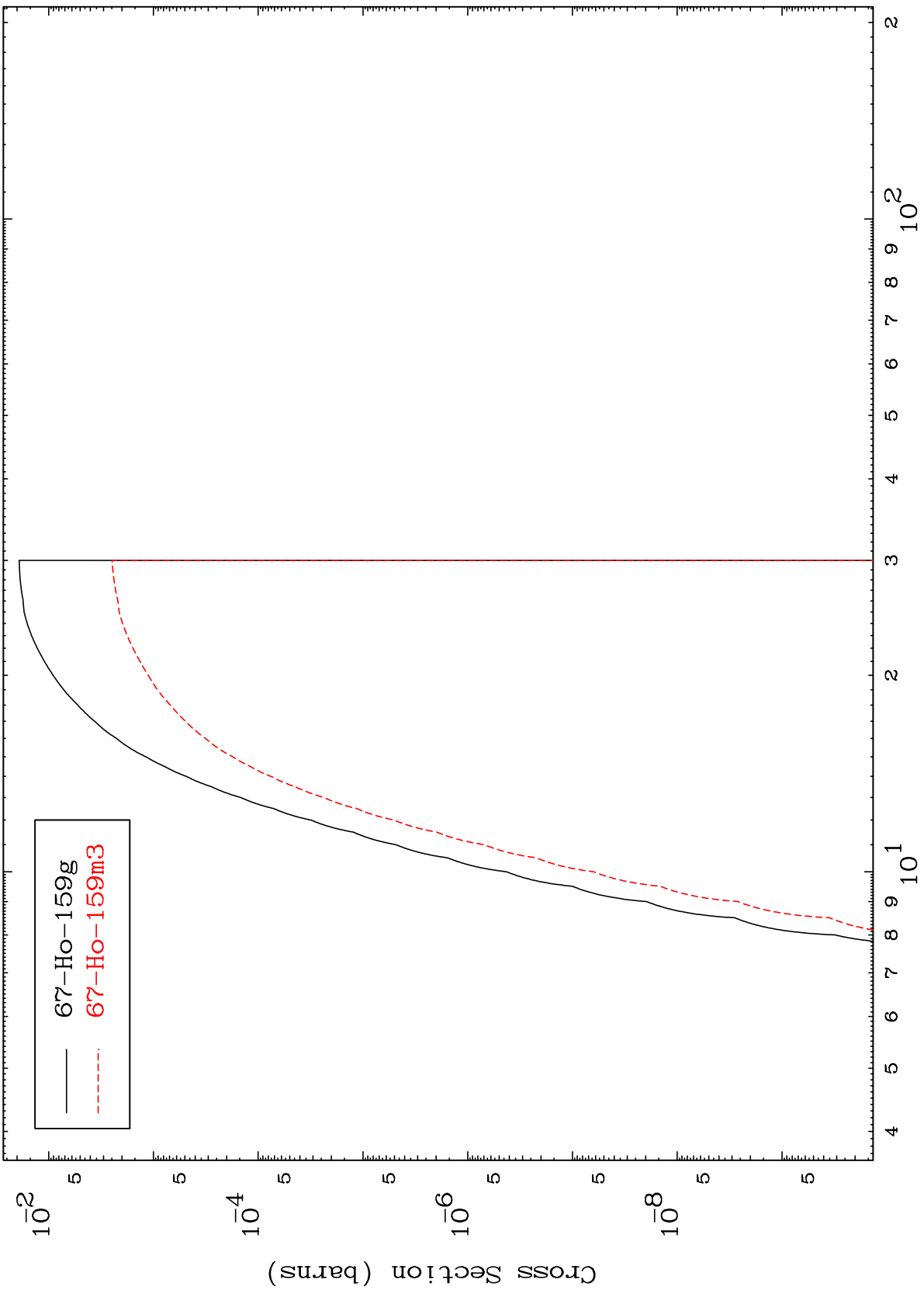
Radionuclide Production Cross Section



MAT 6819

68-Er-160

(n,d)
Radionuclide Production Cross Section



90

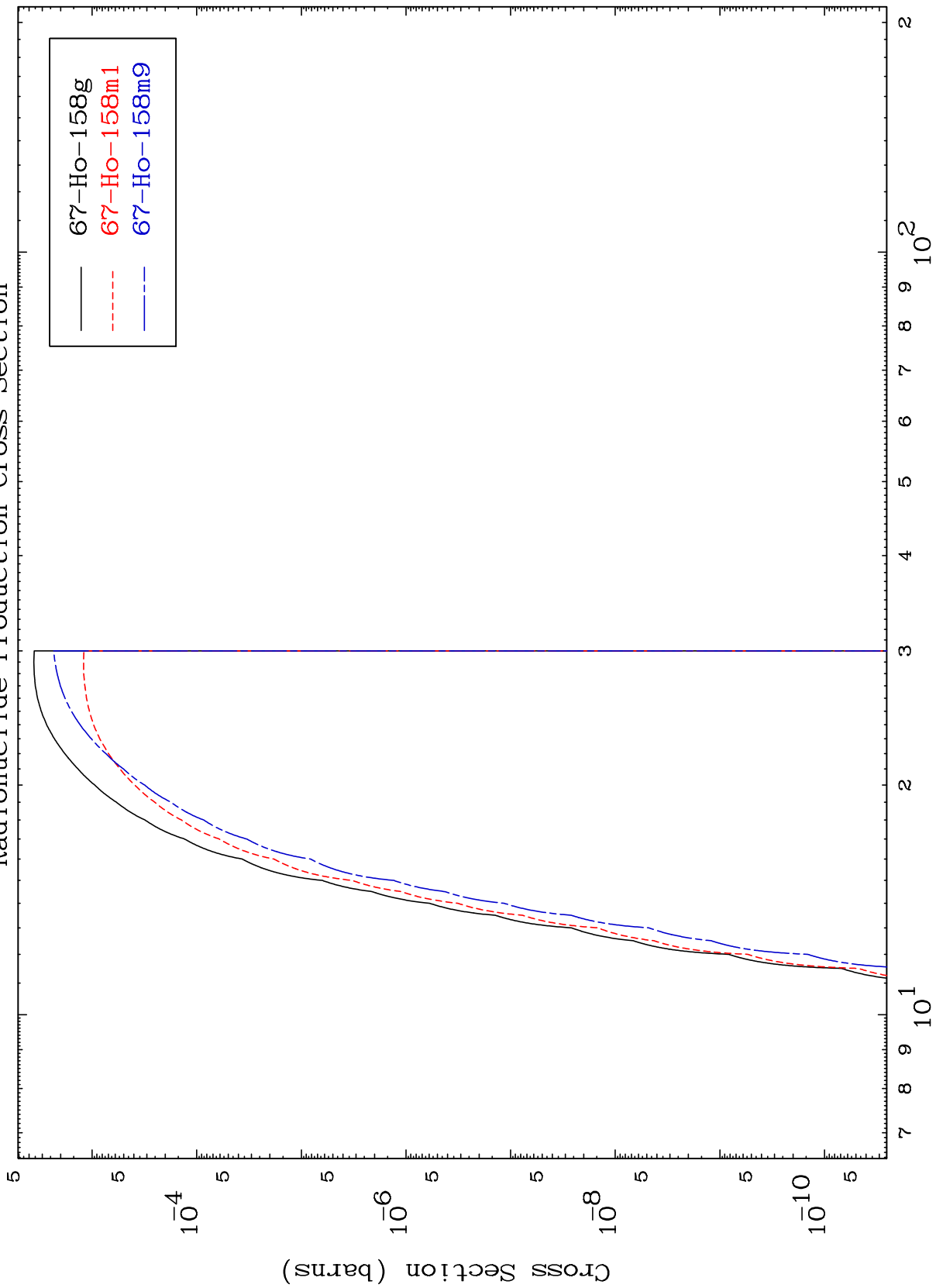
Incident Energy (MeV)

68-Er-160

MAT 6819

68-Er-160

(n, t)
Radionuclide Production Cross Section



91

Incident Energy (MeV)

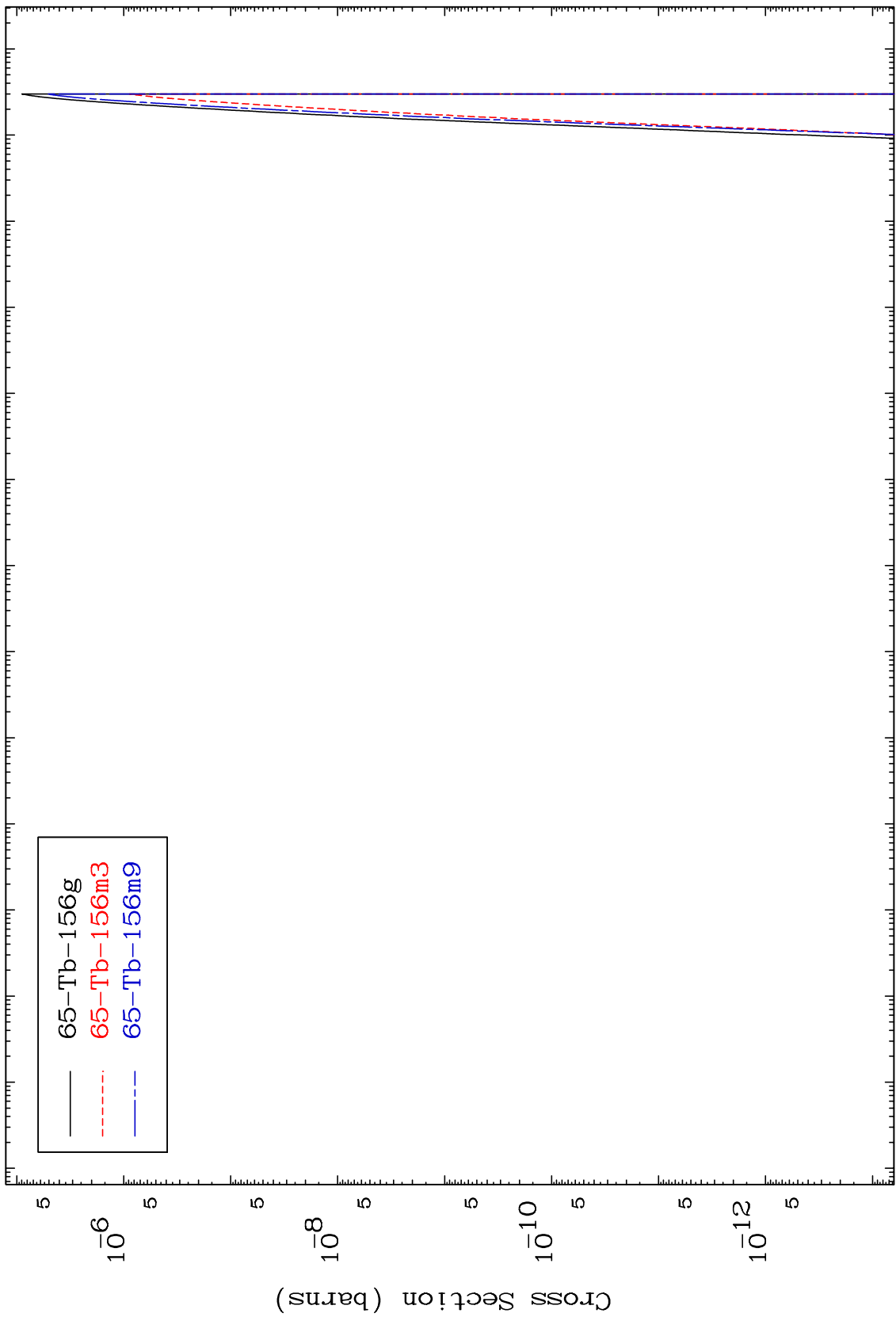
68-Er-160

MAT 6819

(n,p) α

68-Er-160

Radionuclide Production Cross Section



68-Er-160

10^0

10^{-2}

10^{-4}

10^{-6}

10^{-8}

10^{-10}

10^{-12}

Incident Energy (MeV)

68-Er-160

92