

Program EVALPLOT
(Version 2018-1)

by

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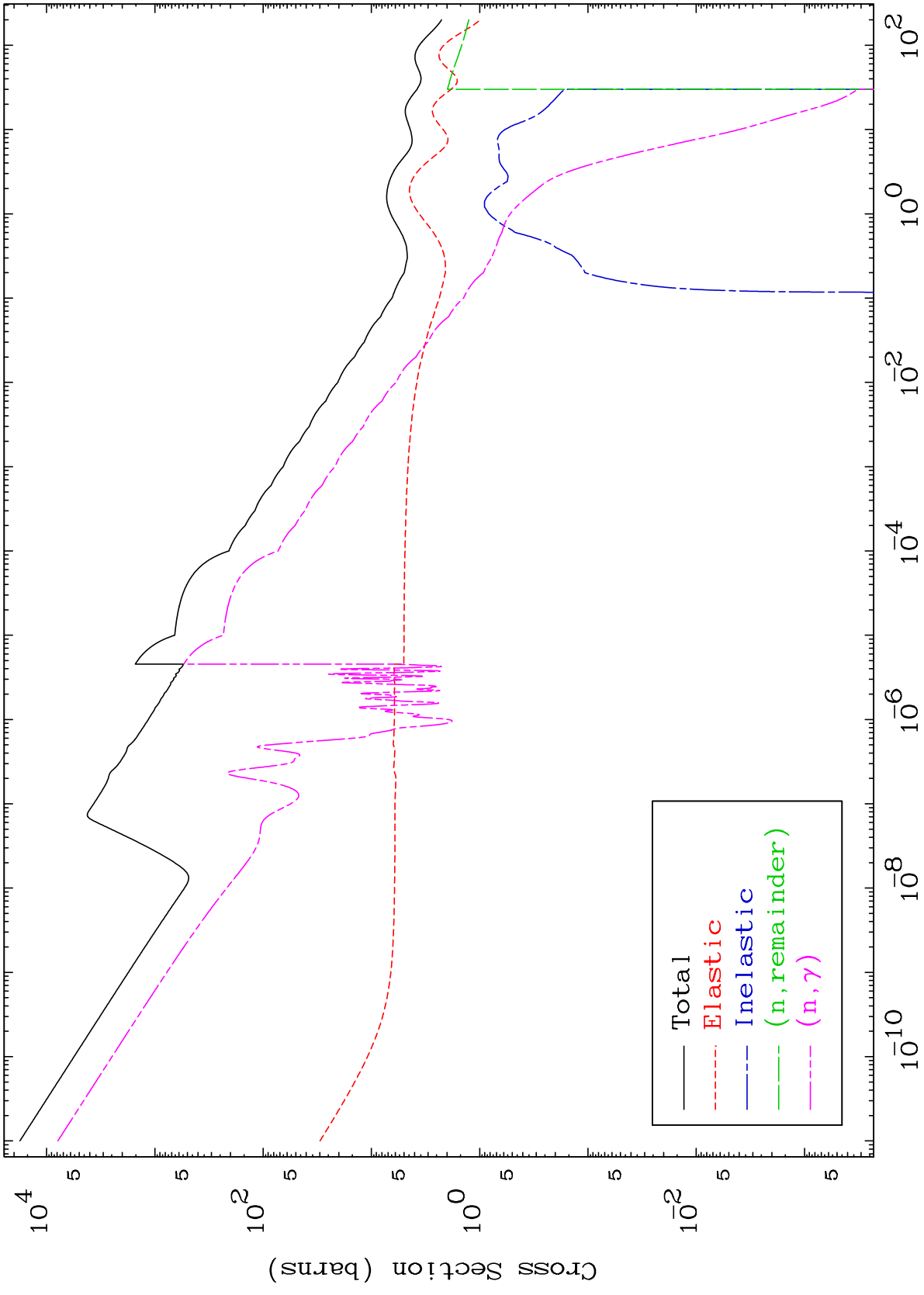
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6289

Major
293 Kelvin Cross Sections

63-Eu-139

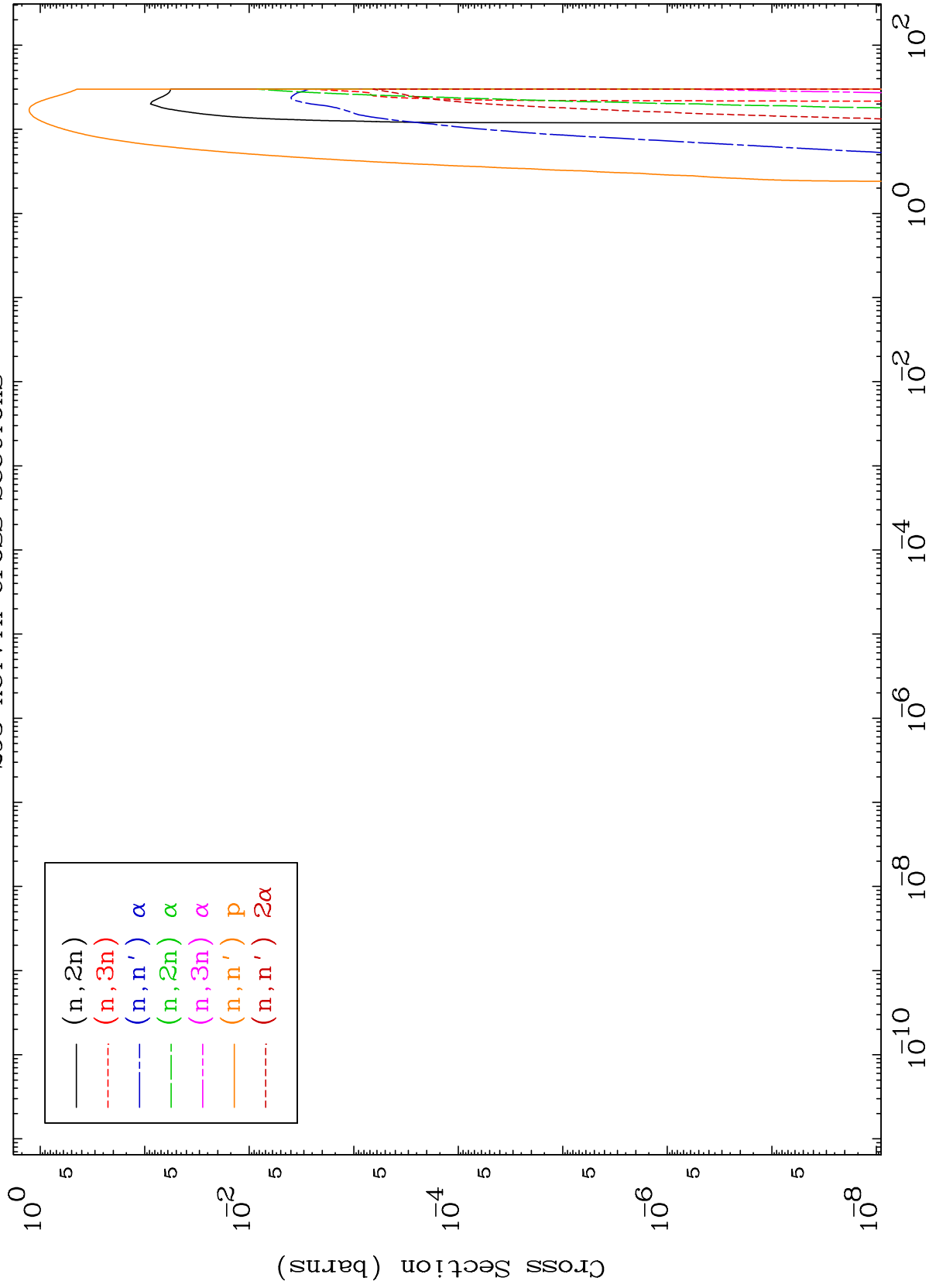


63-Eu-139

MAT 6289

Neutron Production
293 Kelvin Cross Sections

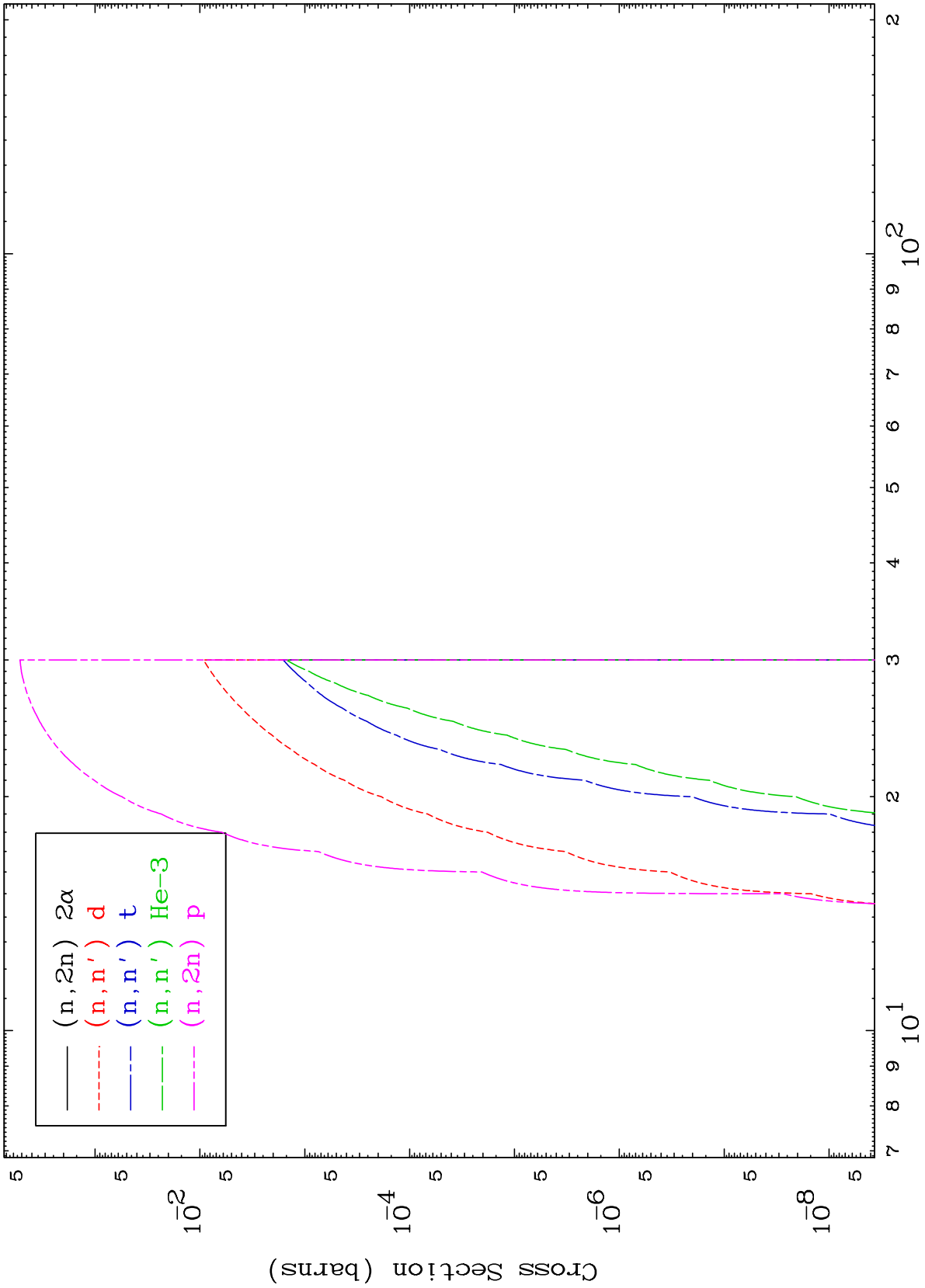
63-Eu-139



2

Incident Energy (MeV)

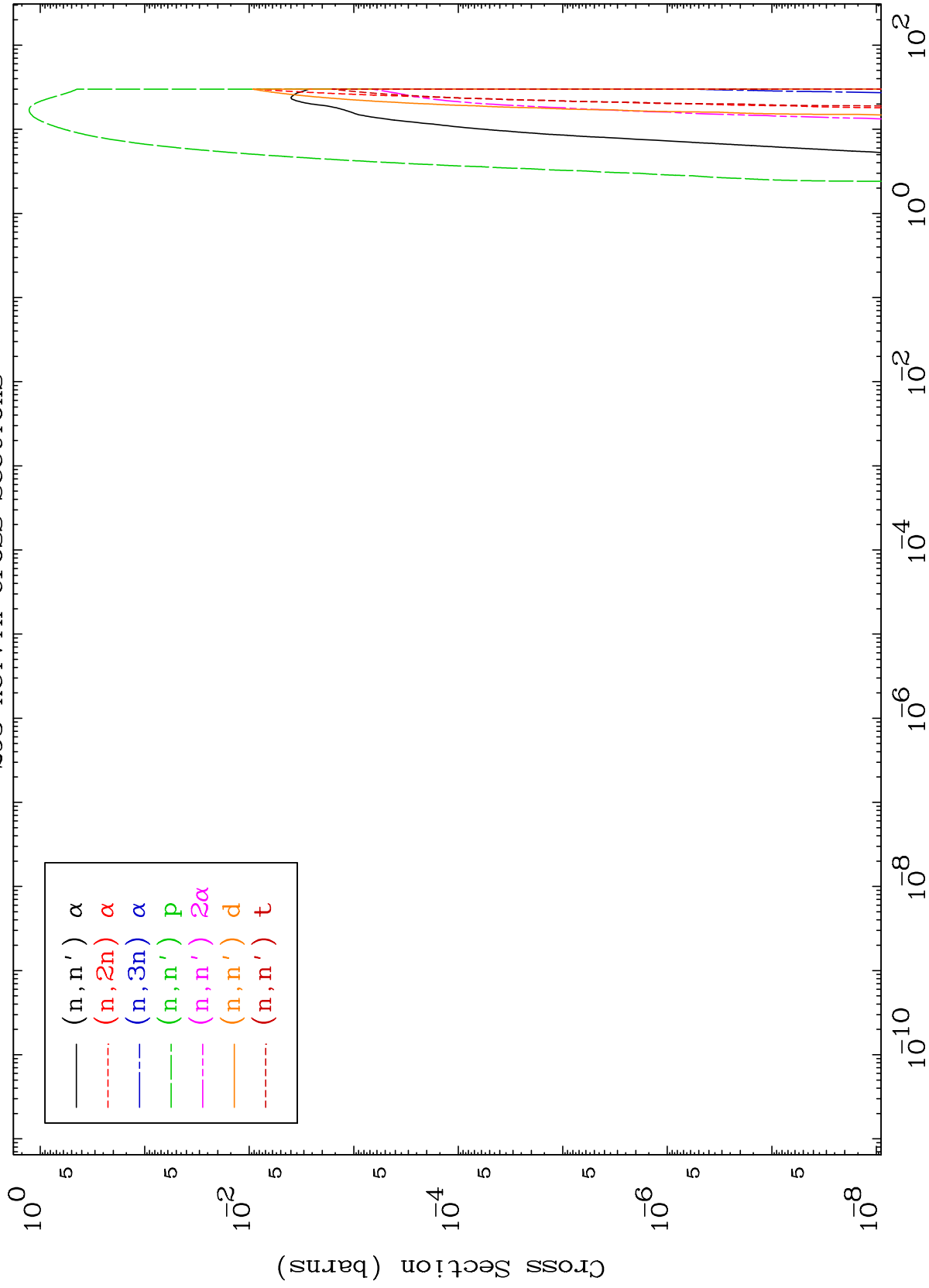
63-Eu-139



MAT 6289

Charged Particle
293 Kelvin Cross Sections

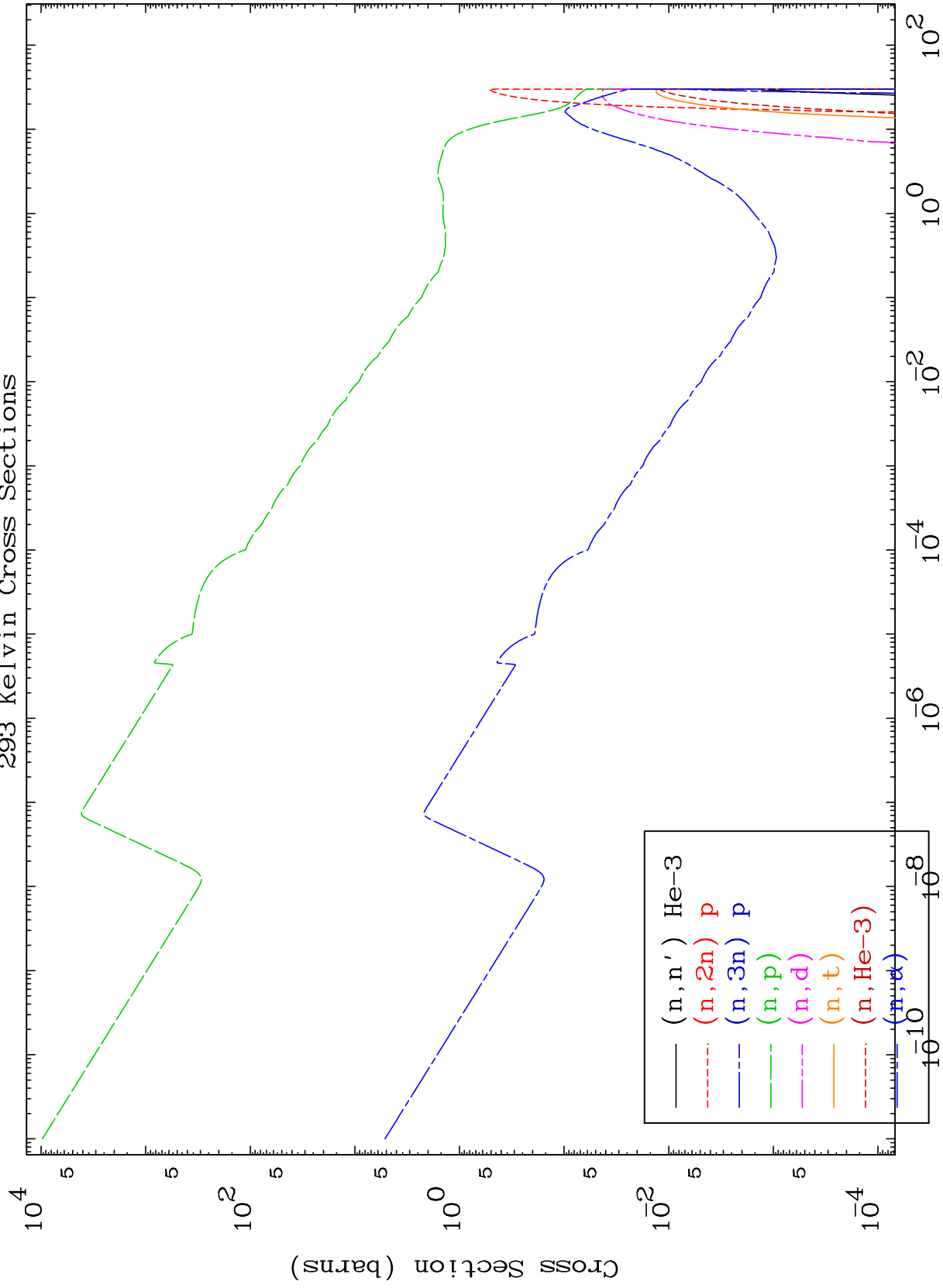
63-Eu-139



MAT 6289

Charged Particle
293 Kelvin Cross Sections

63-Eu-139



5

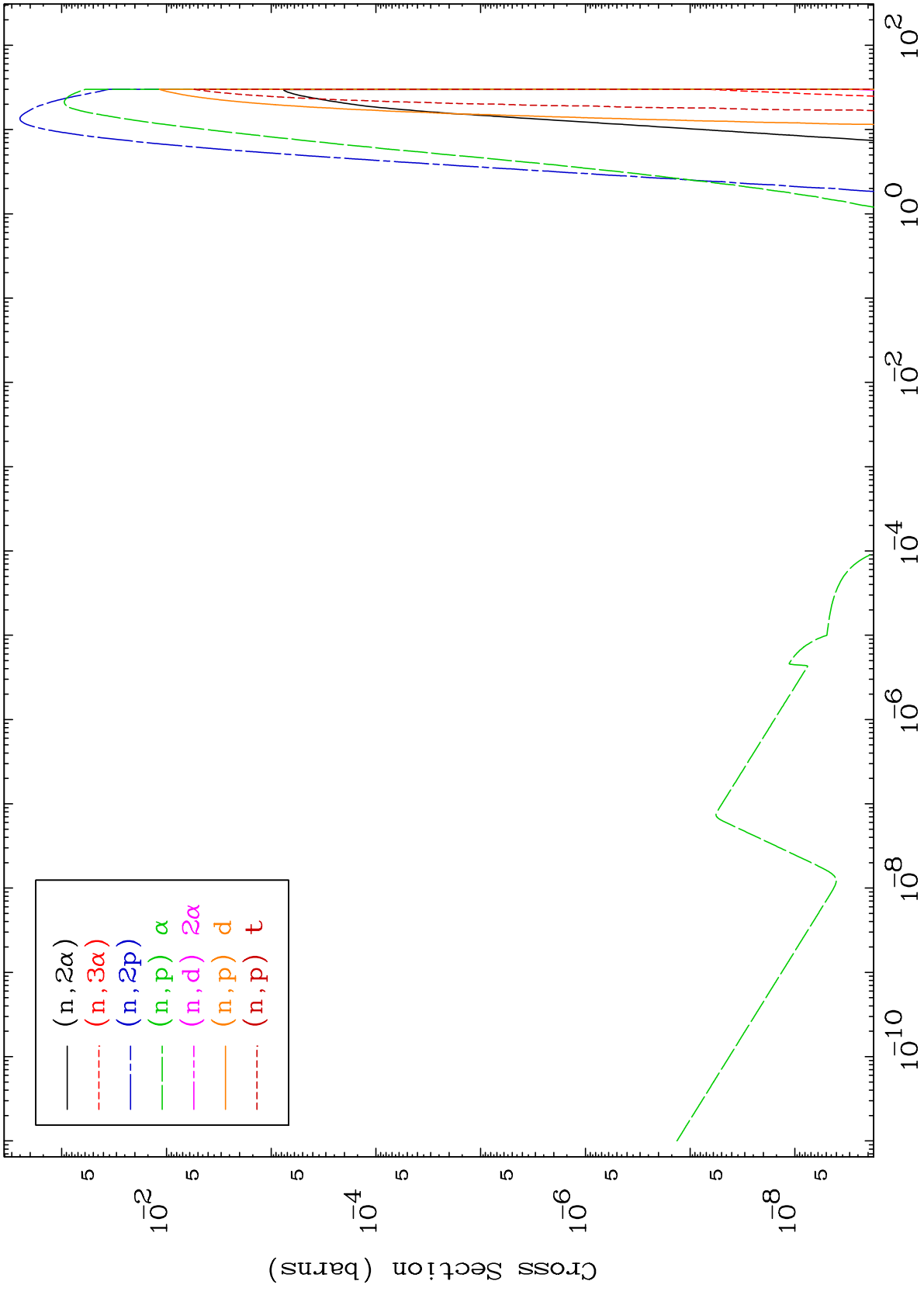
Incident Energy (MeV)

63-Eu-139

MAT 6289

Charged Particle
293 Kelvin Cross Sections

63-Eu-139

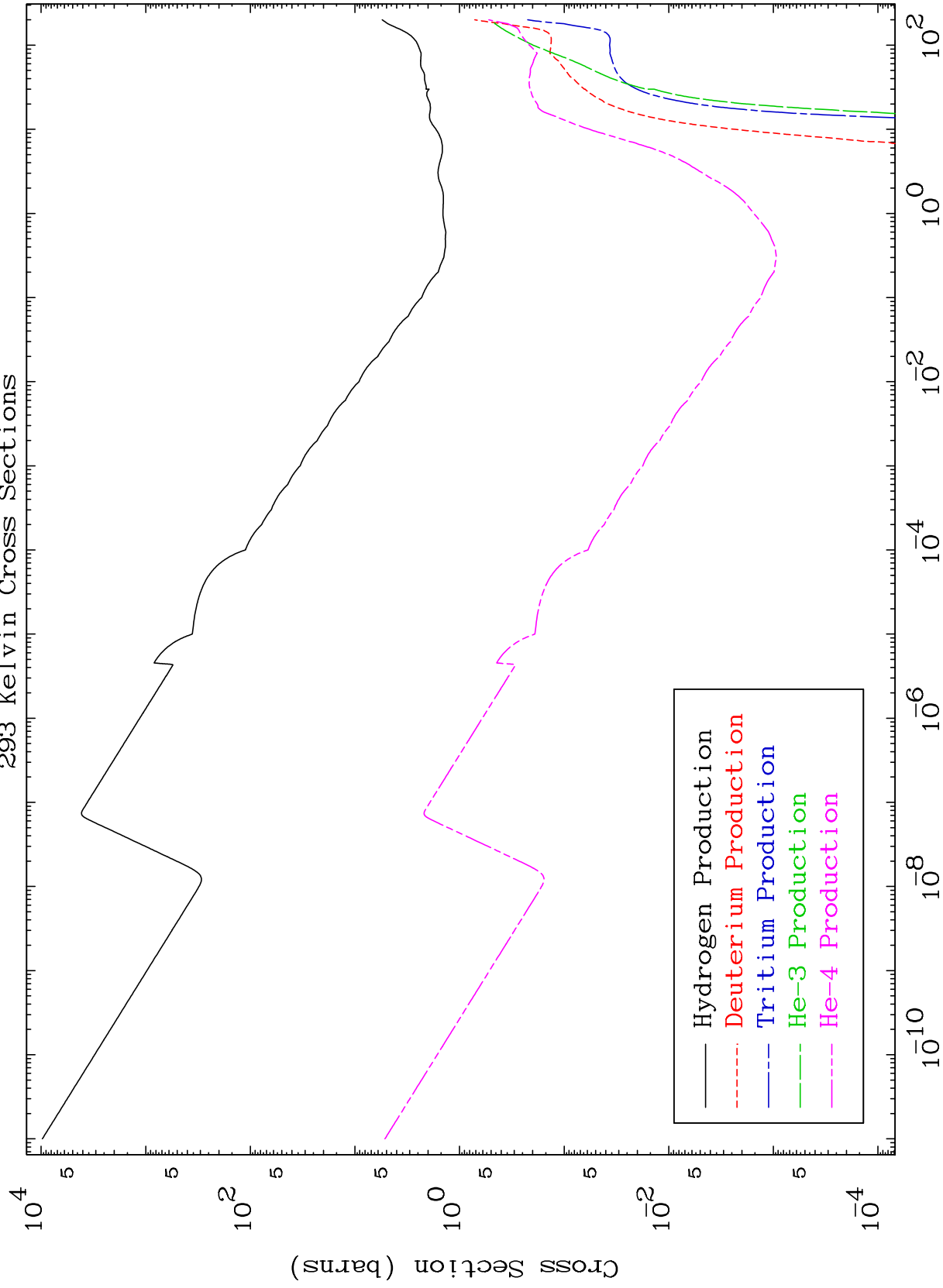


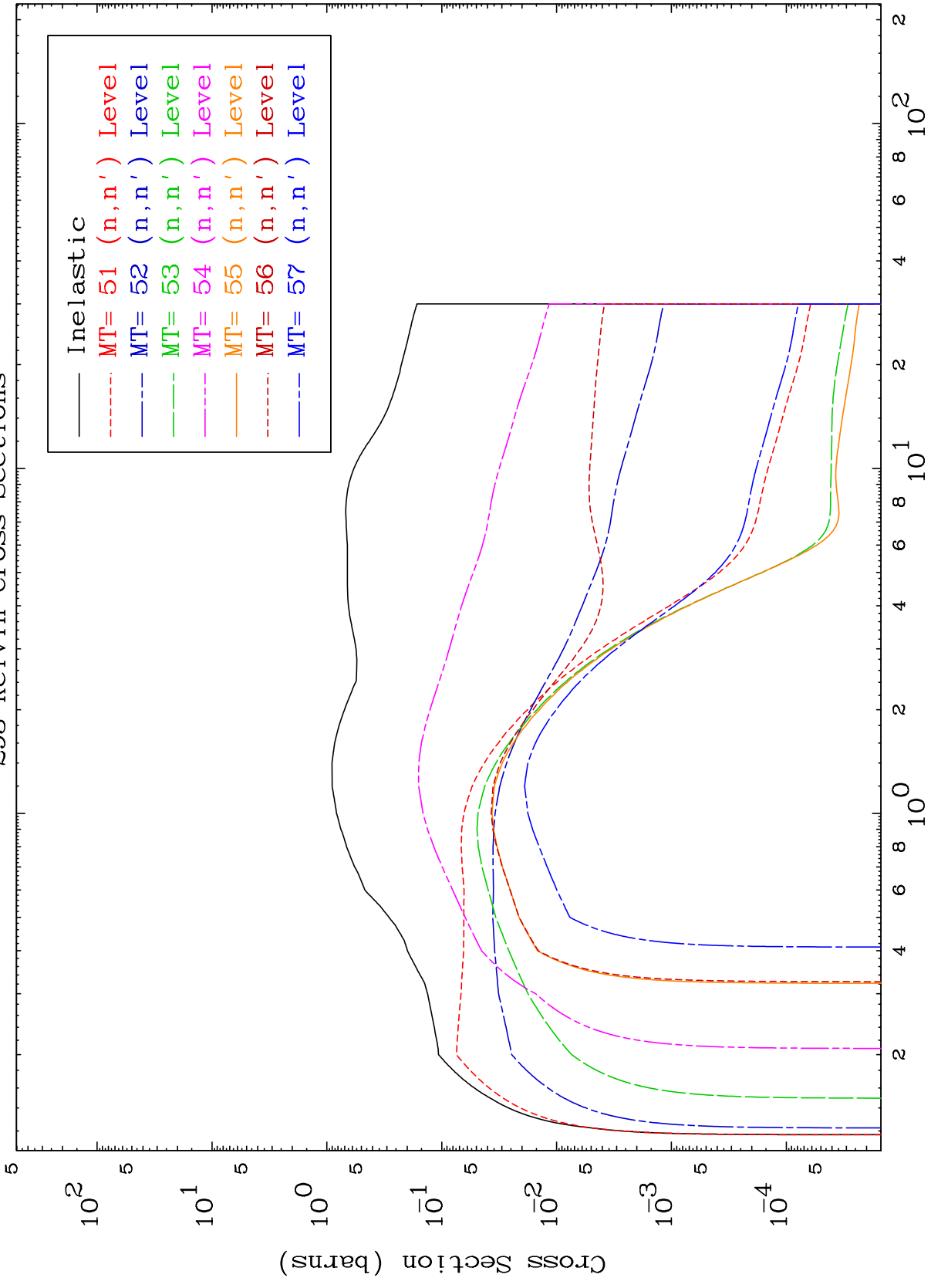
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MAT 6289

Particle Production
293 Kelvin Cross Sections

63-Eu-139



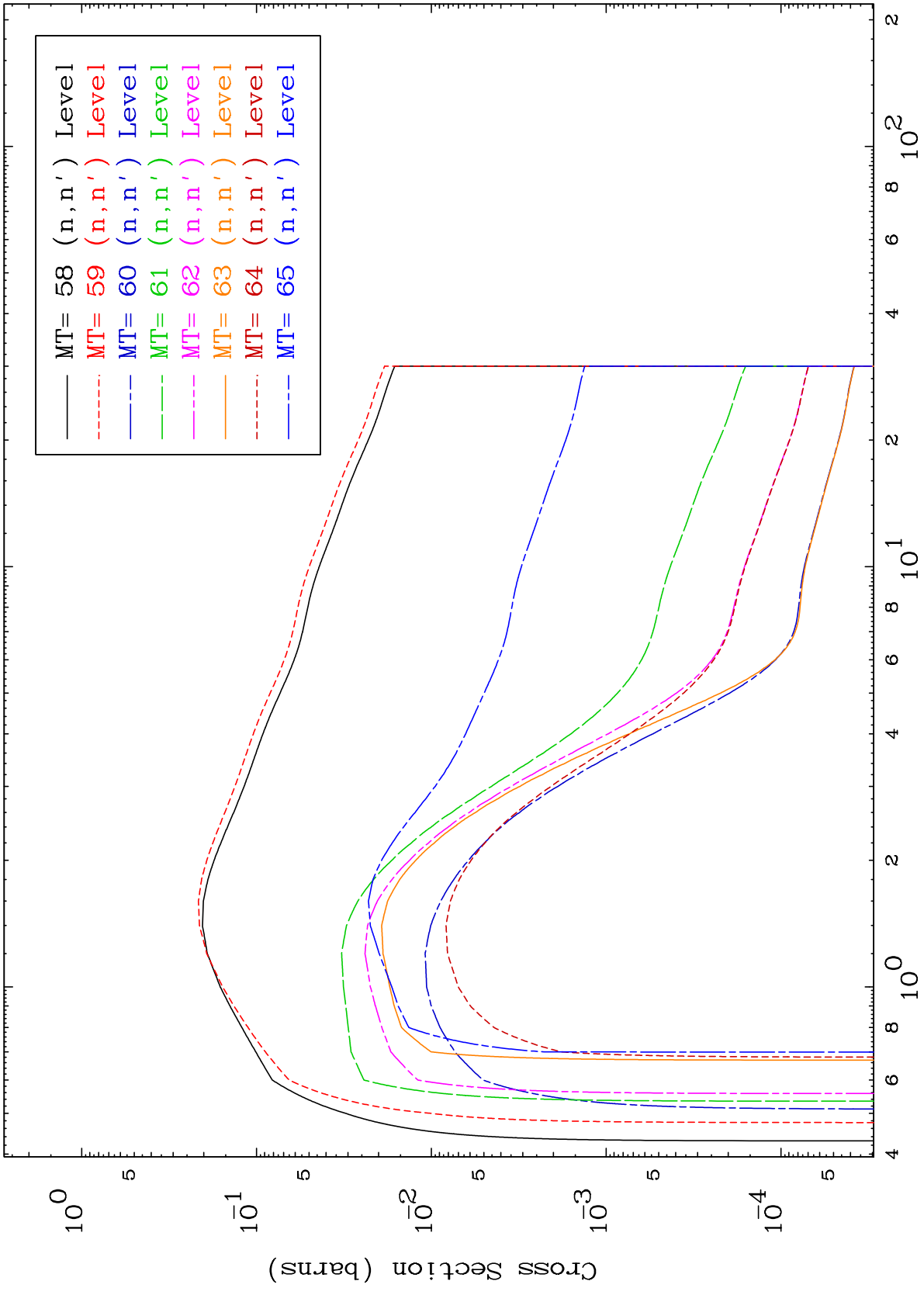


MAT 6289

(n,n') Level

63-Eu-139

293 Kelvin Cross Sections



9

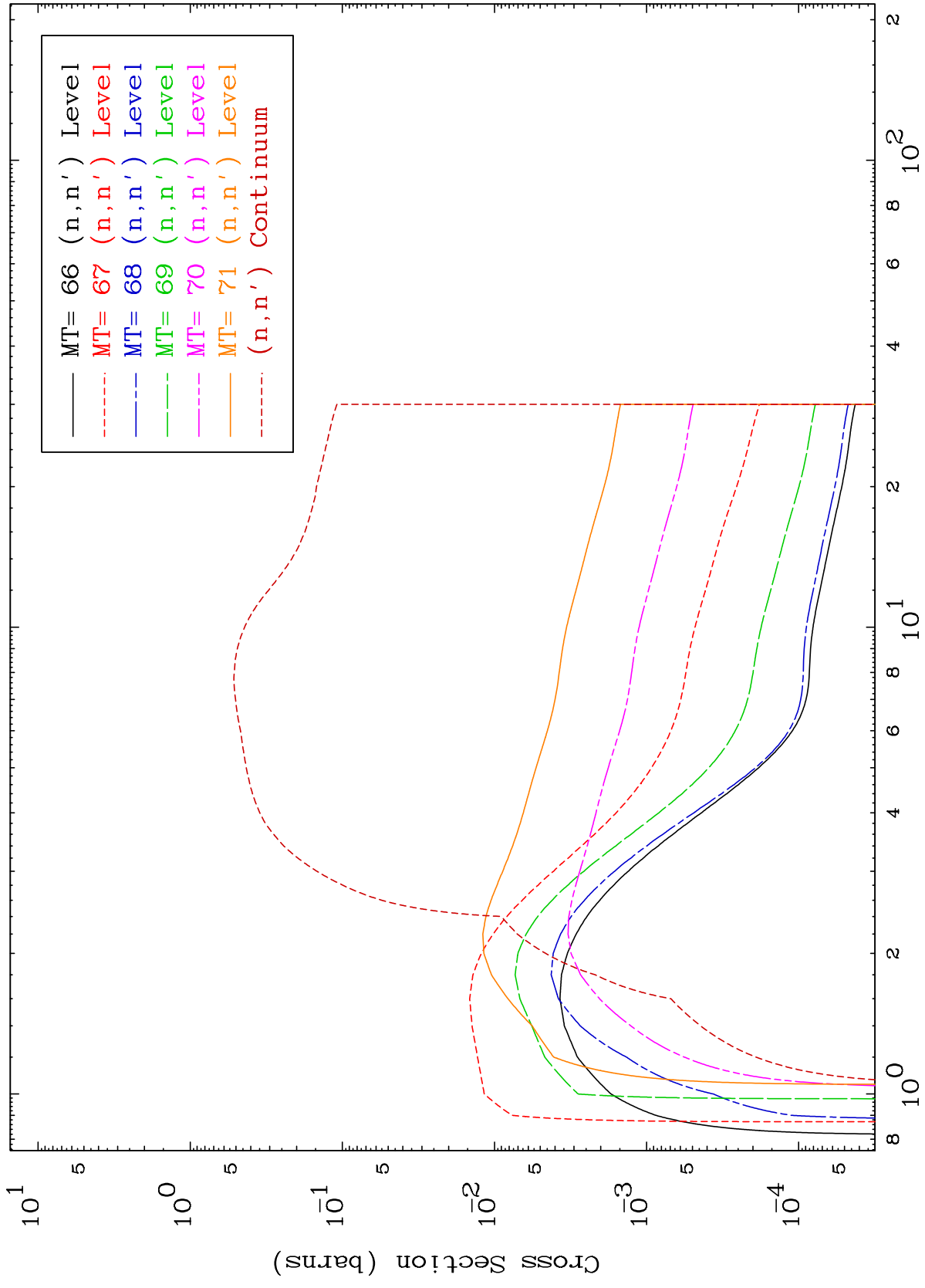
Incident Energy (MeV)

63-Eu-139

MAT 6289

(n,n') Level
293 Kelvin Cross Sections

63-Eu-139



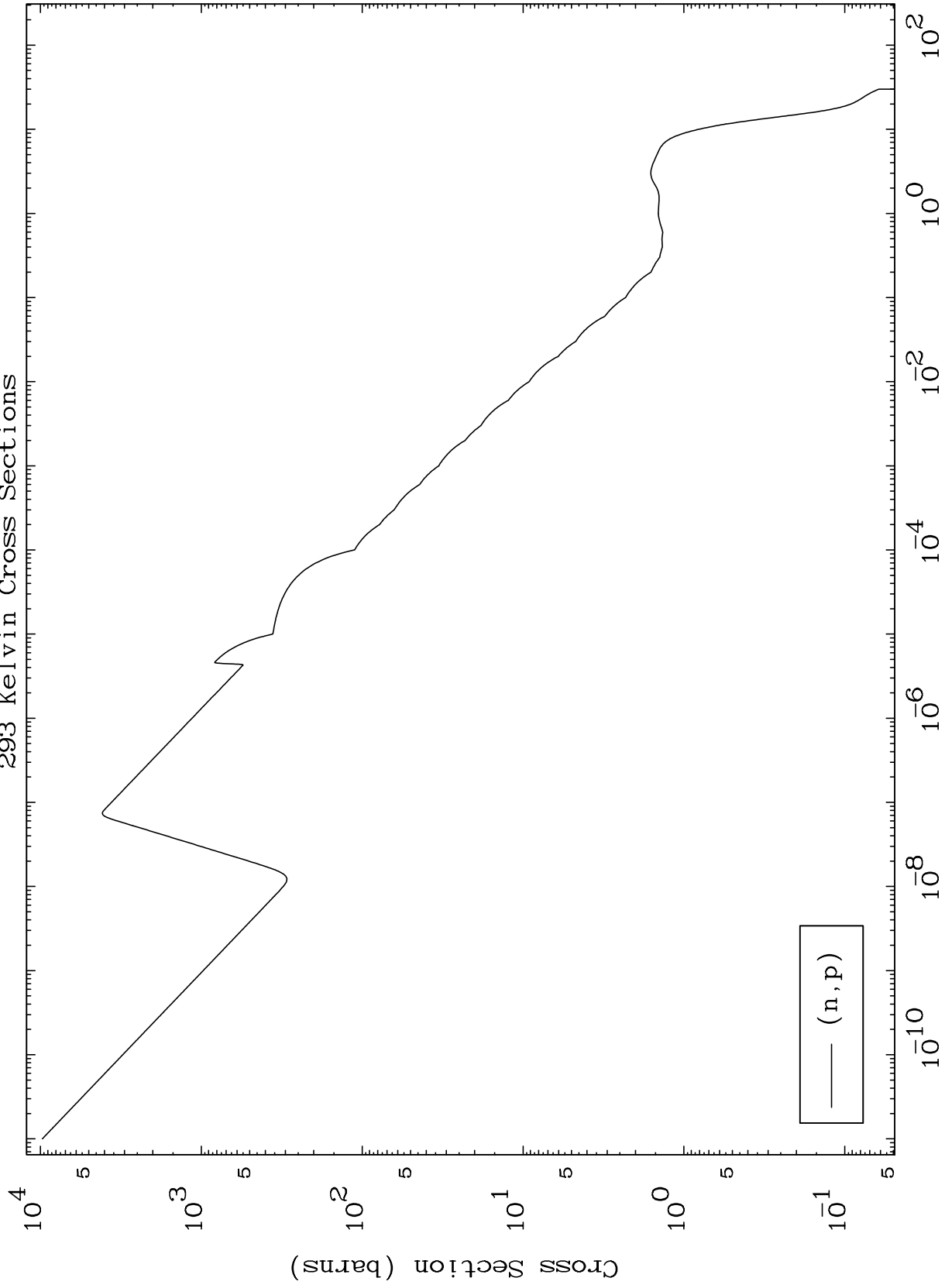
Incident Energy (MeV)

63-Eu-139

MAT 6289

(n,p) Levels
293 Kelvin Cross Sections

63-Eu-139



11

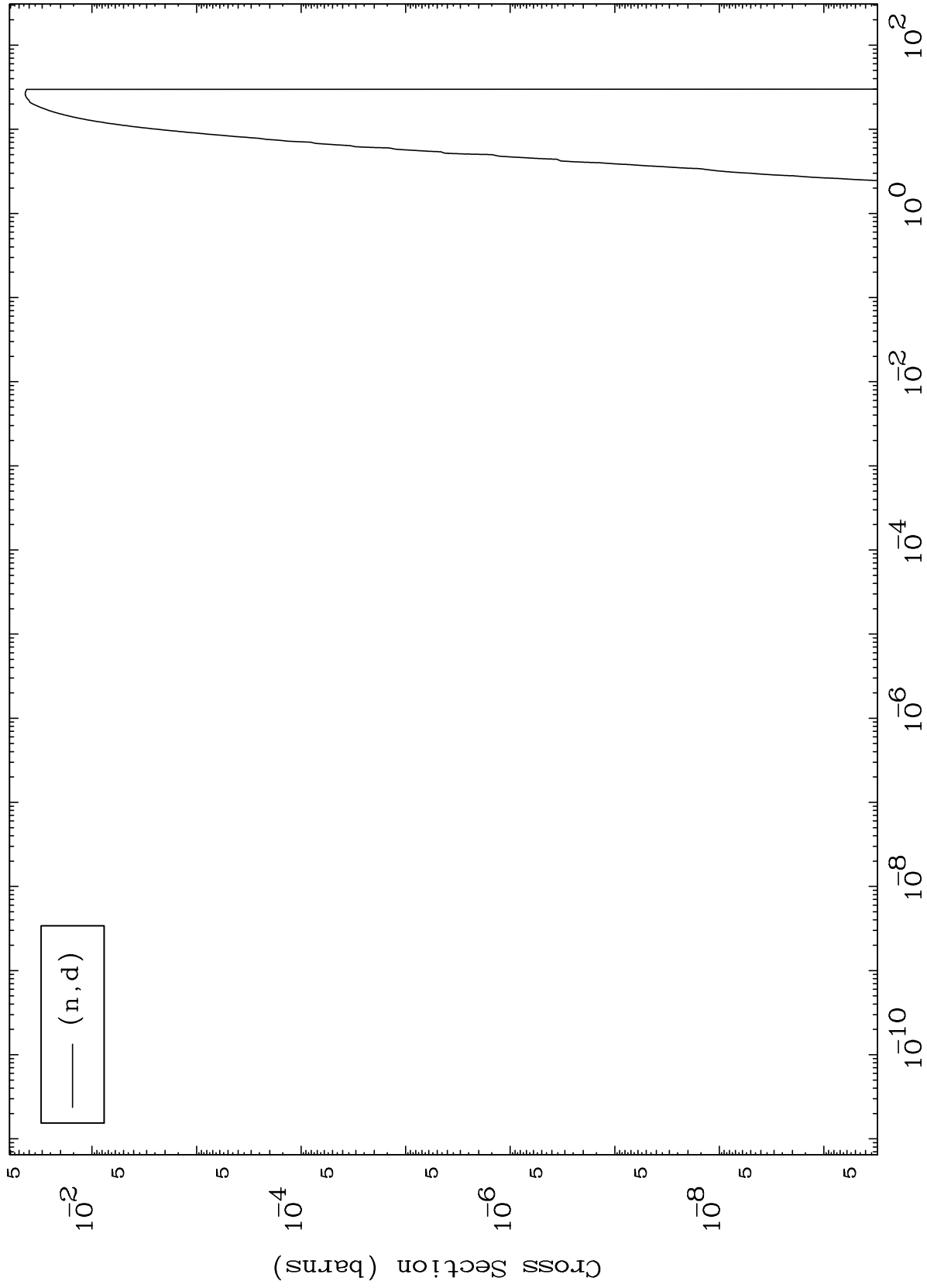
Incident Energy (MeV)

63-Eu-139

MAT 6289

(n,d) Levels
293 Kelvin Cross Sections

63-Eu-139



12

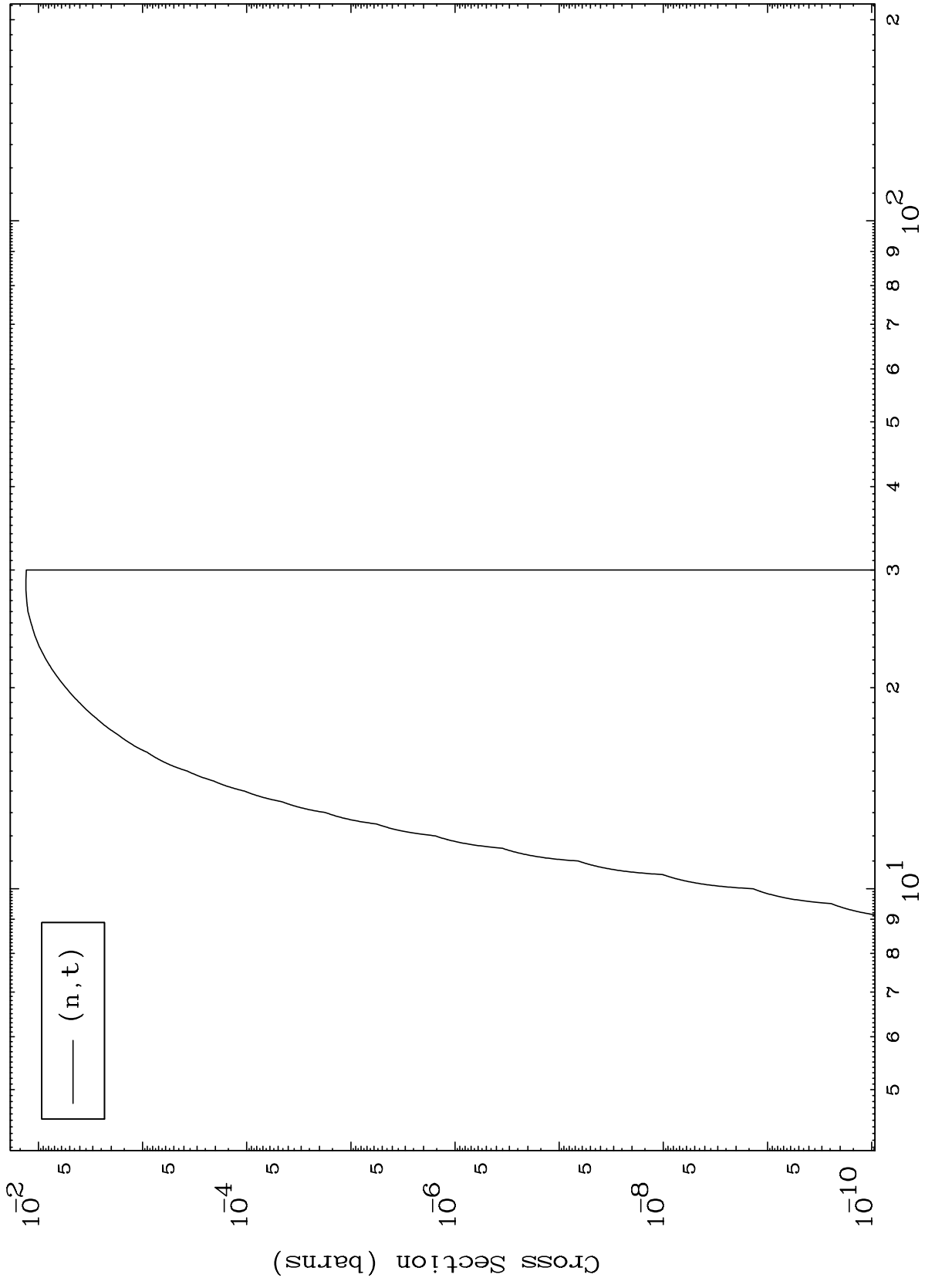
Incident Energy (MeV)

63-Eu-139

MAT 6289

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-139



13

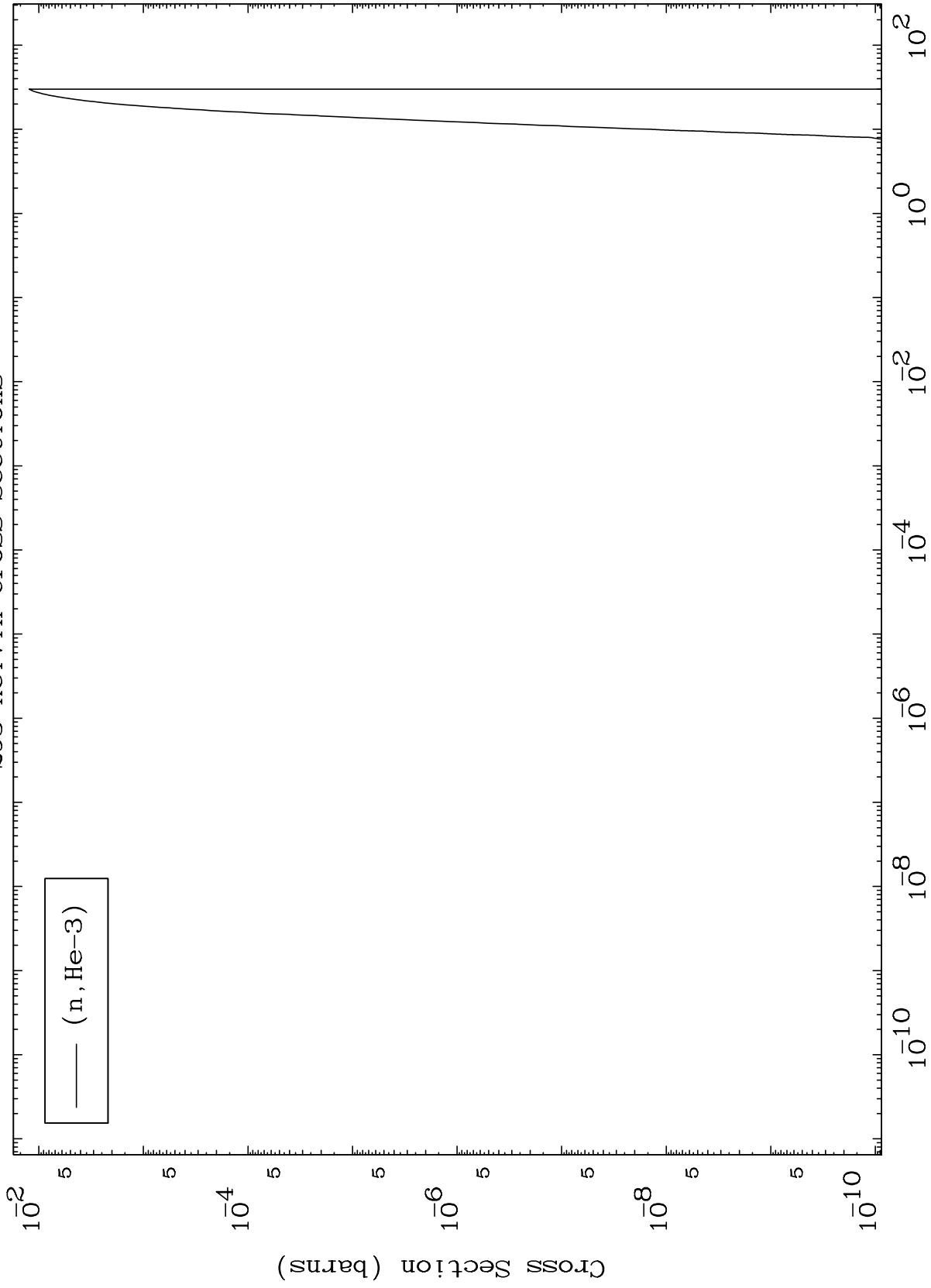
Incident Energy (MeV)

63-Eu-139

MAT 6289

(n,He3) Levels
293 Kelvin Cross Sections

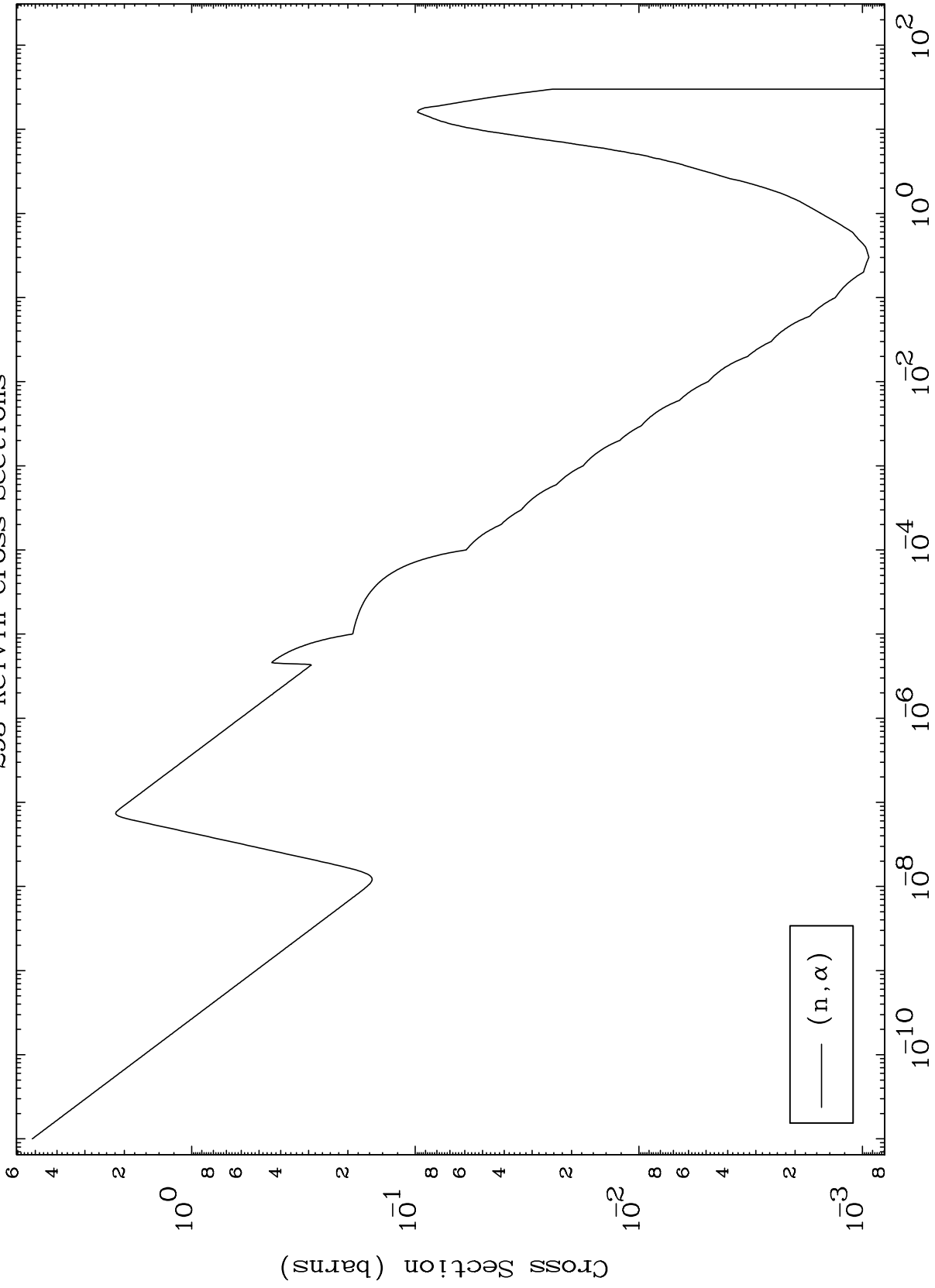
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MAT 6289

(n,α) Levels
293 Kelvin Cross Sections

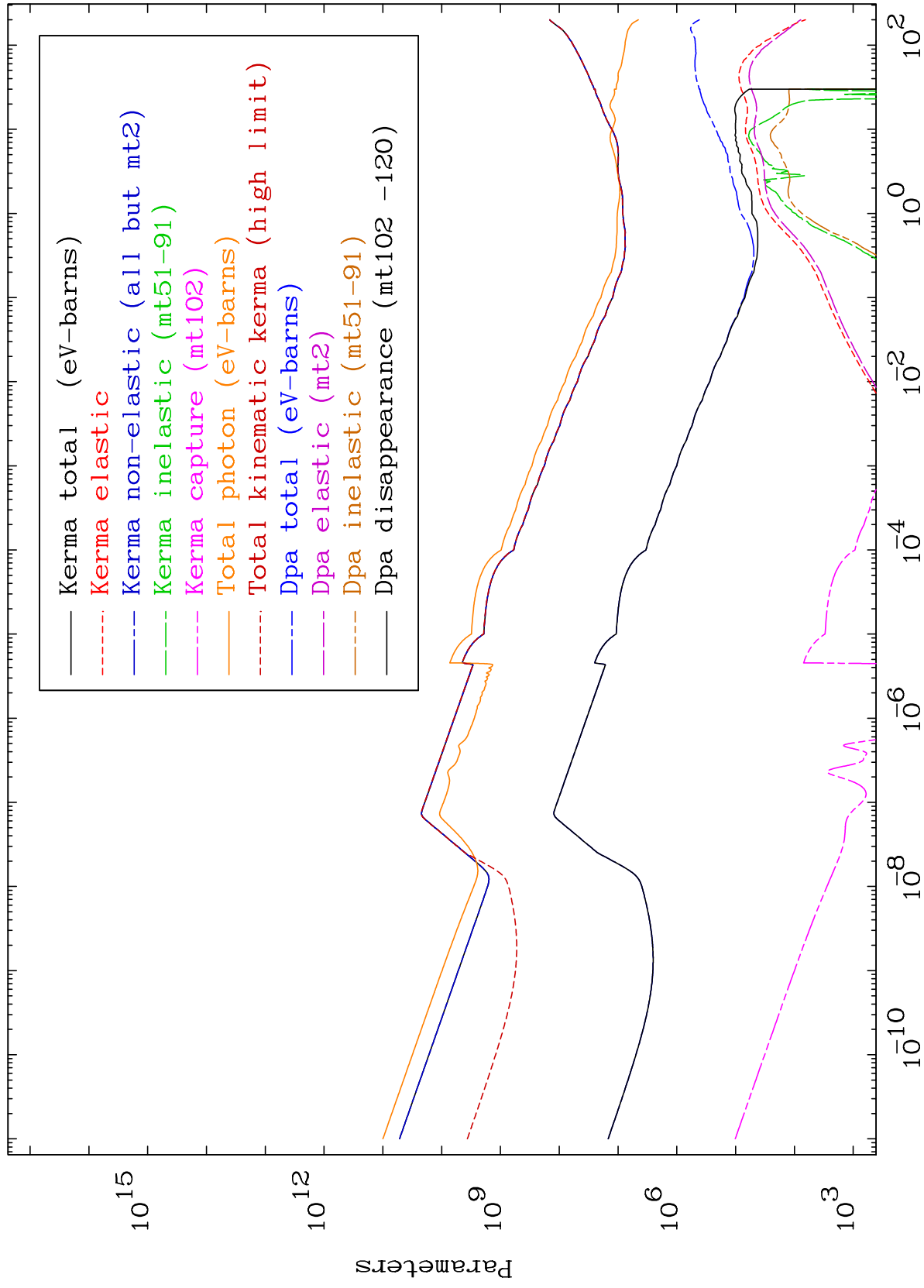
63-Eu-139



15

Incident Energy (MeV)

63-Eu-139



MAT 6289

Elastic Legendre Coefficients

63-Eu-139



17

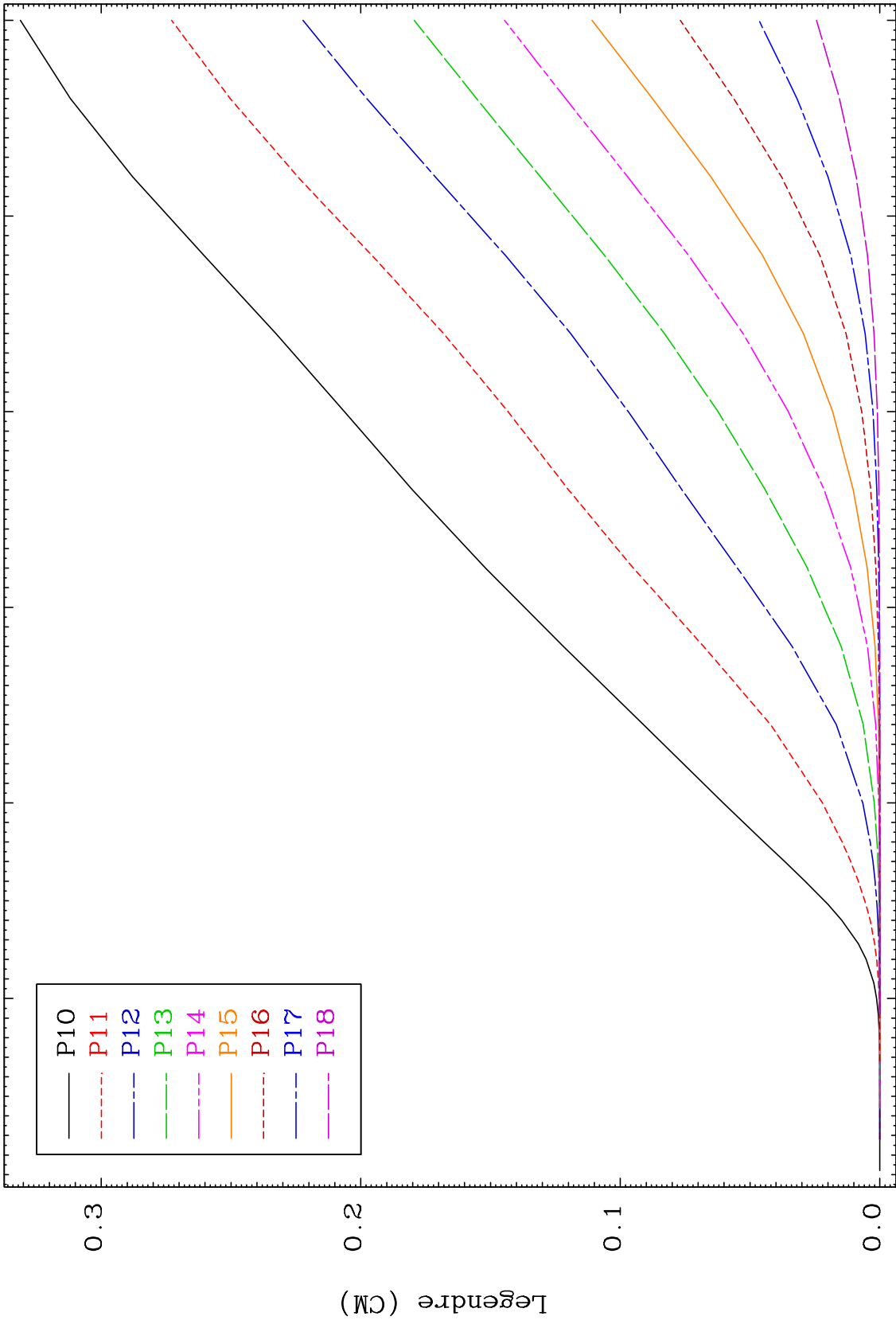
Incident Energy (MeV)

63-Eu-139

MAT 6289

Elastic Legendre Coefficients

63-Eu-139



18

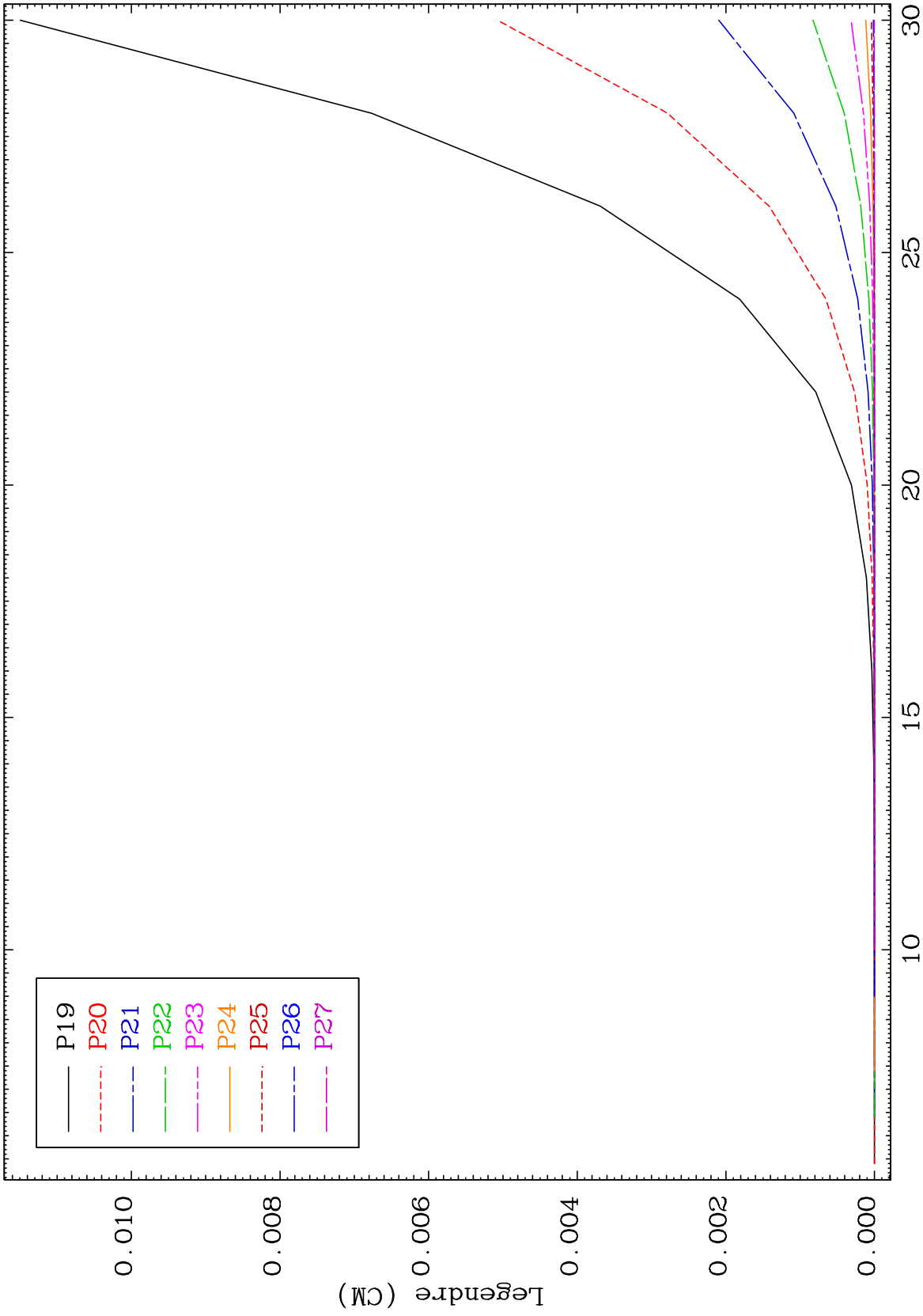
Incident Energy (MeV)

63-Eu-139

MAT 6289

Elastic Legendre Coefficients

63-Eu-139



19

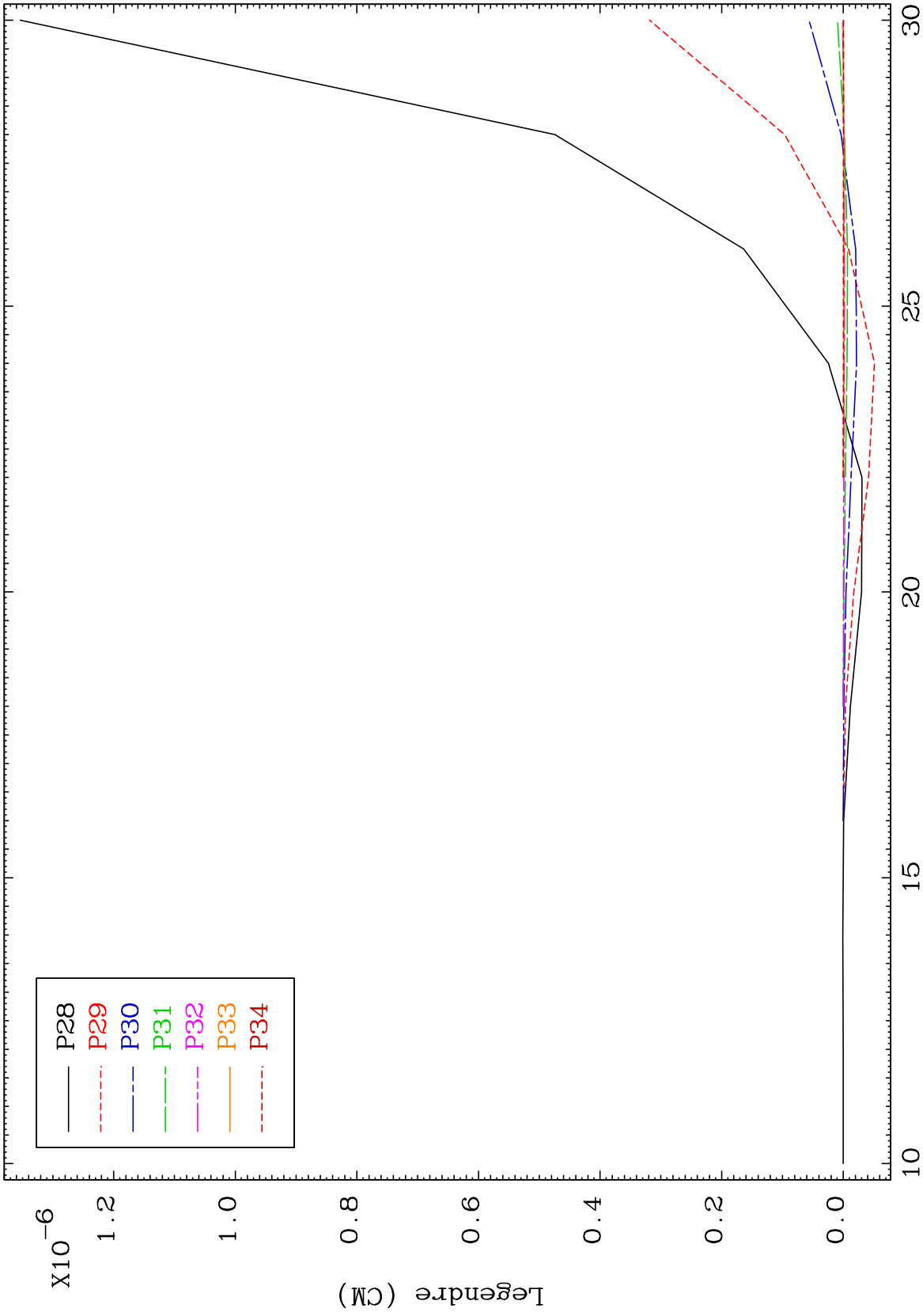
Incident Energy (MeV)

63-Eu-139

MAT 6289

Elastic Legendre Coefficients

63-Eu-139



20

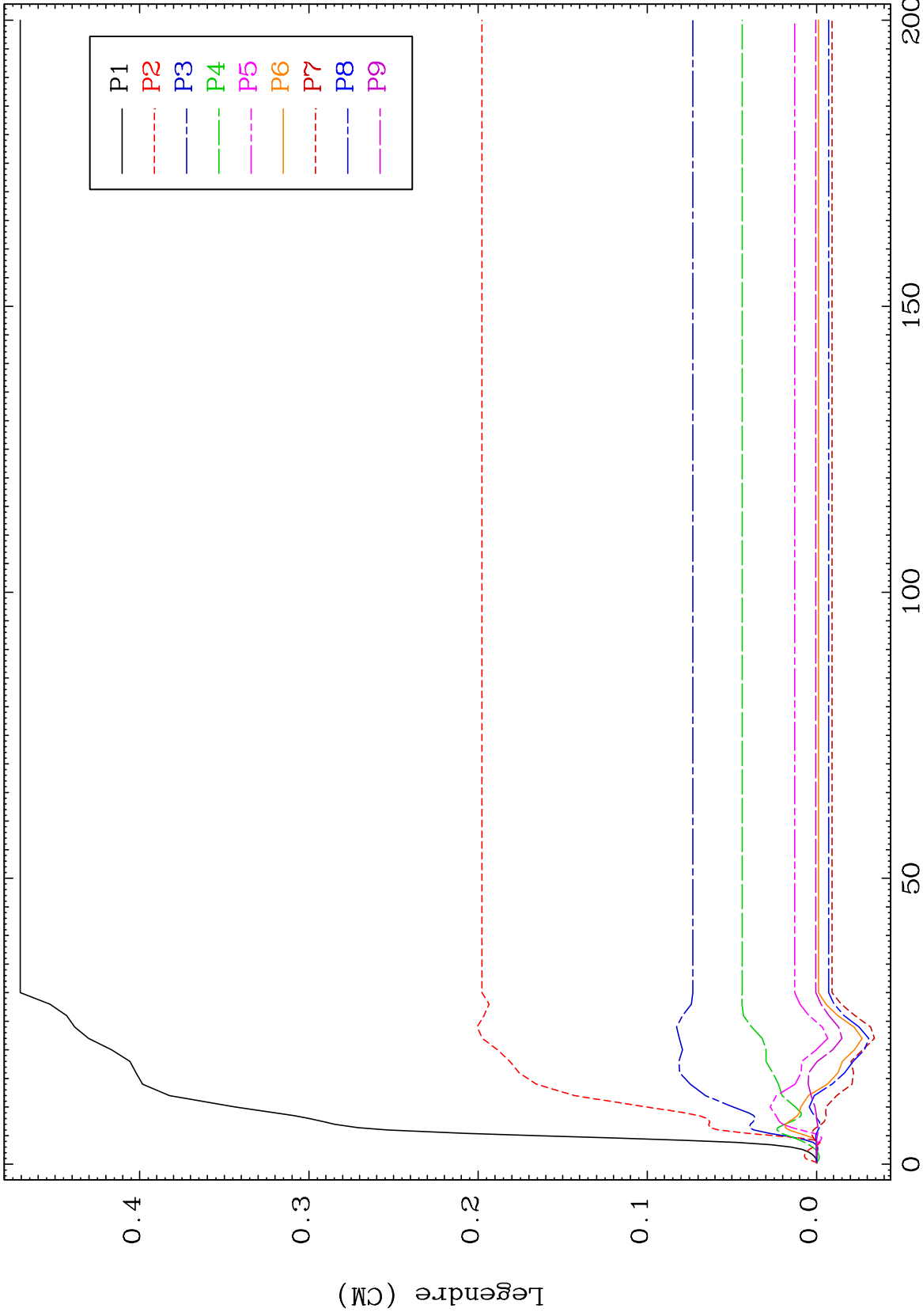
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



21

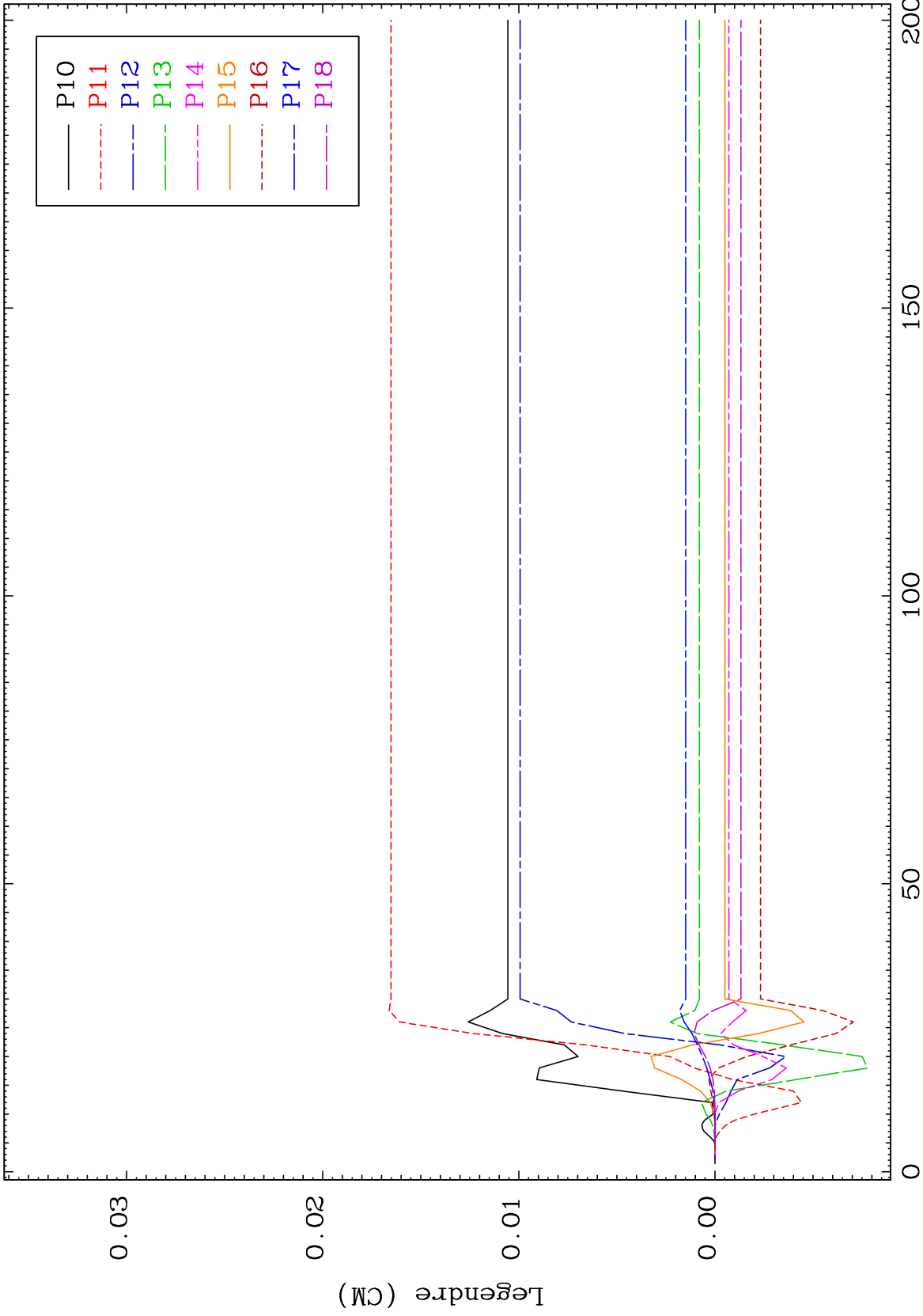
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



22

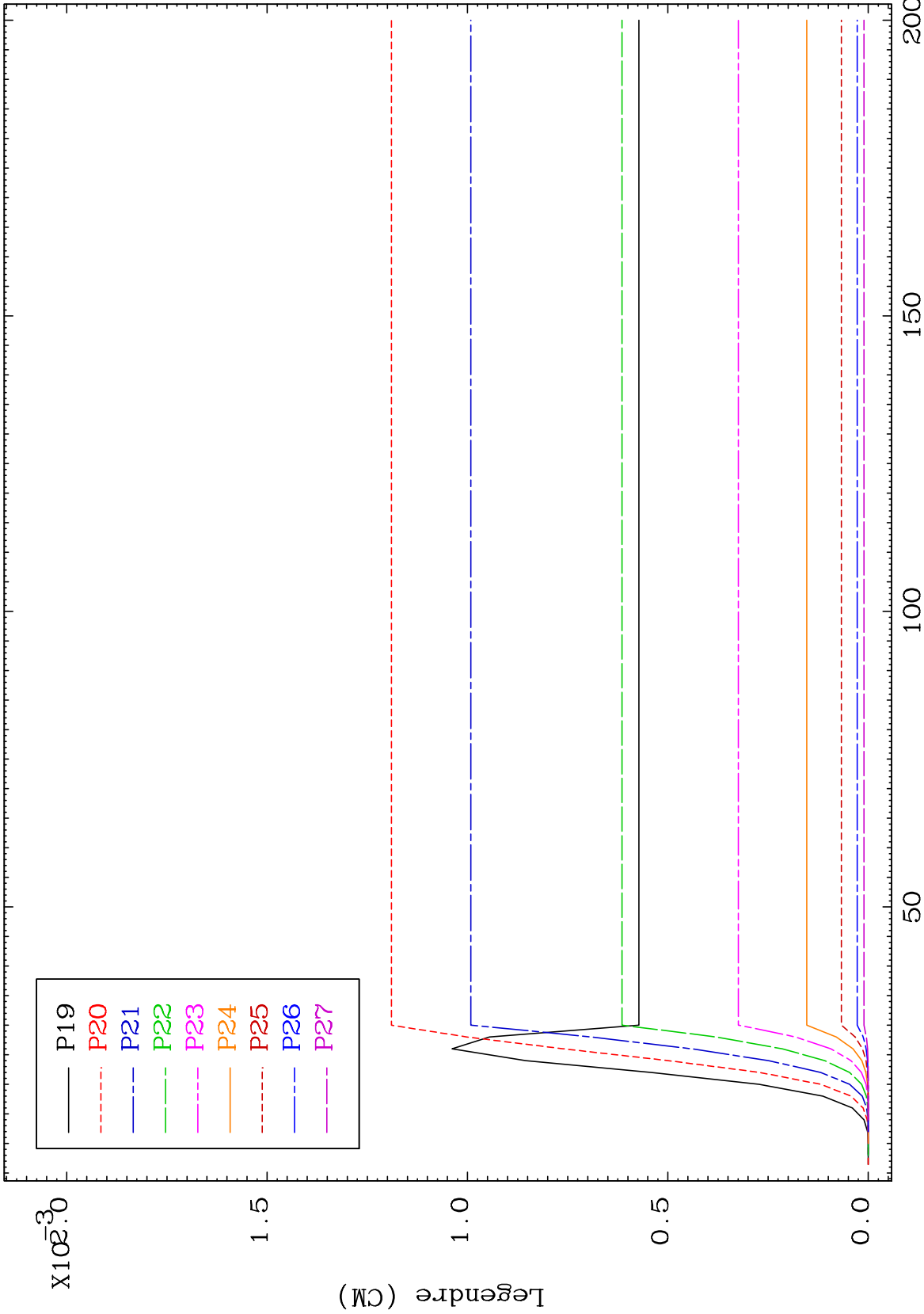
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



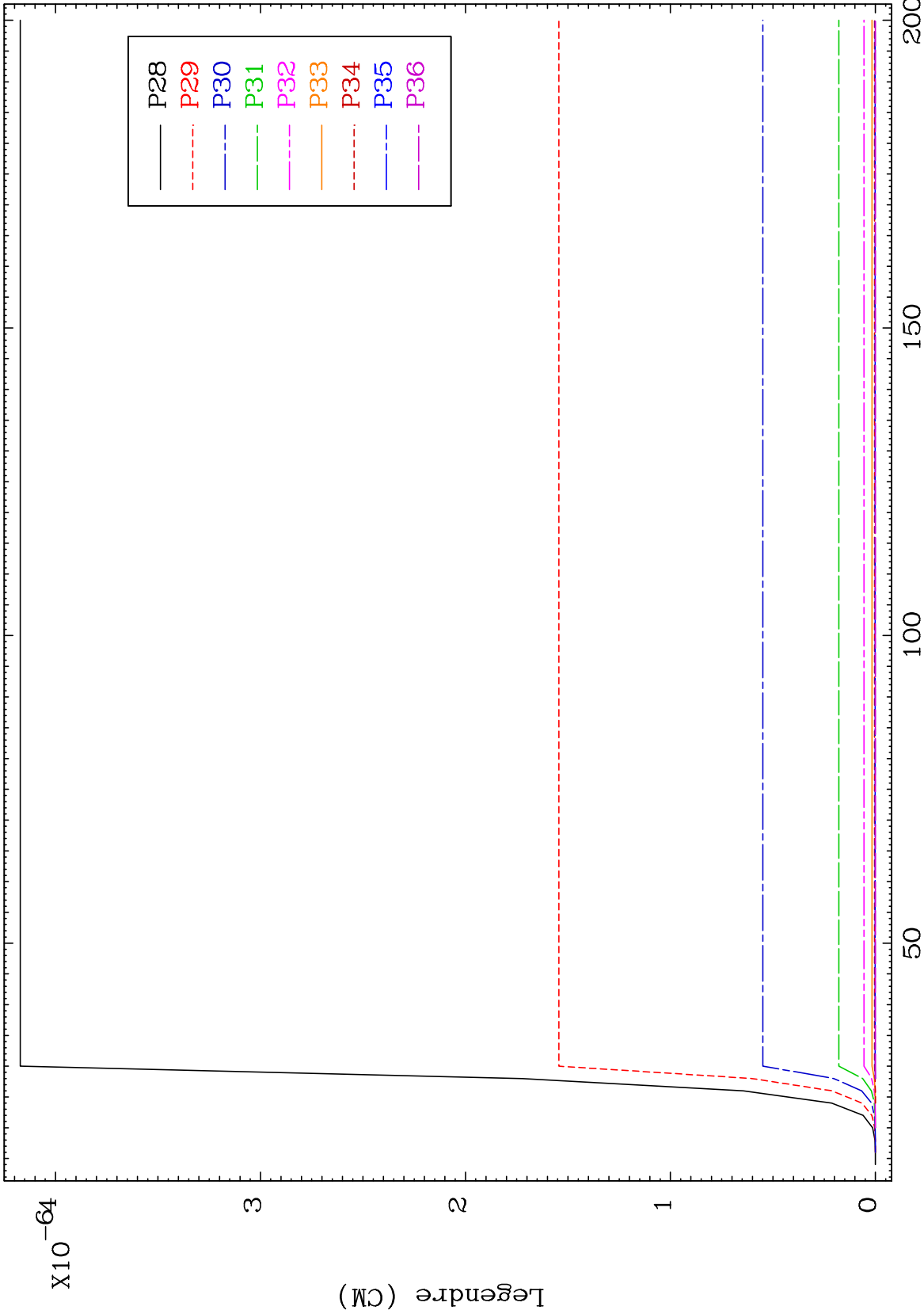
23

63-Eu-139

MAT 6289

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

63-Eu-139



24

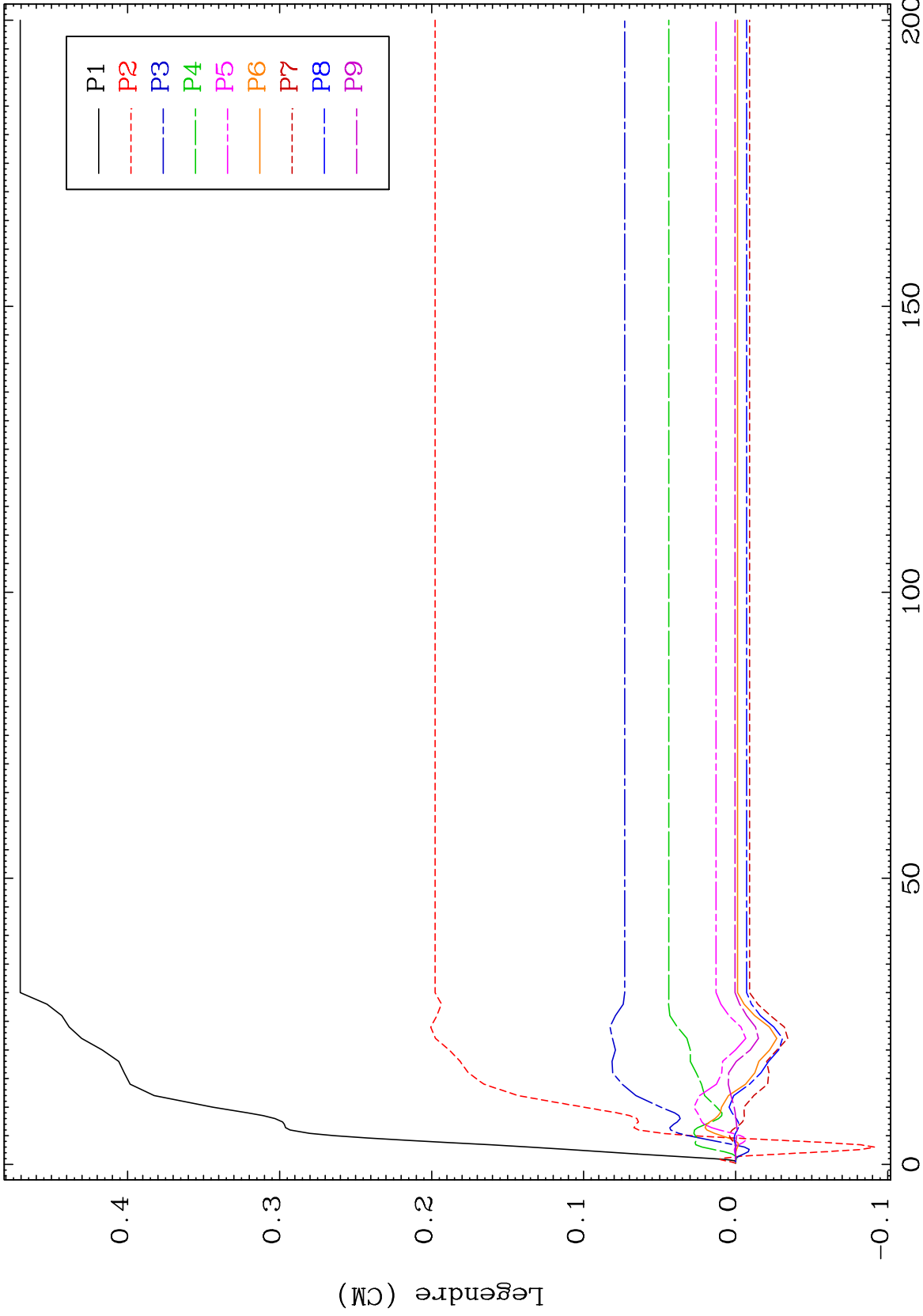
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



63-Eu-139

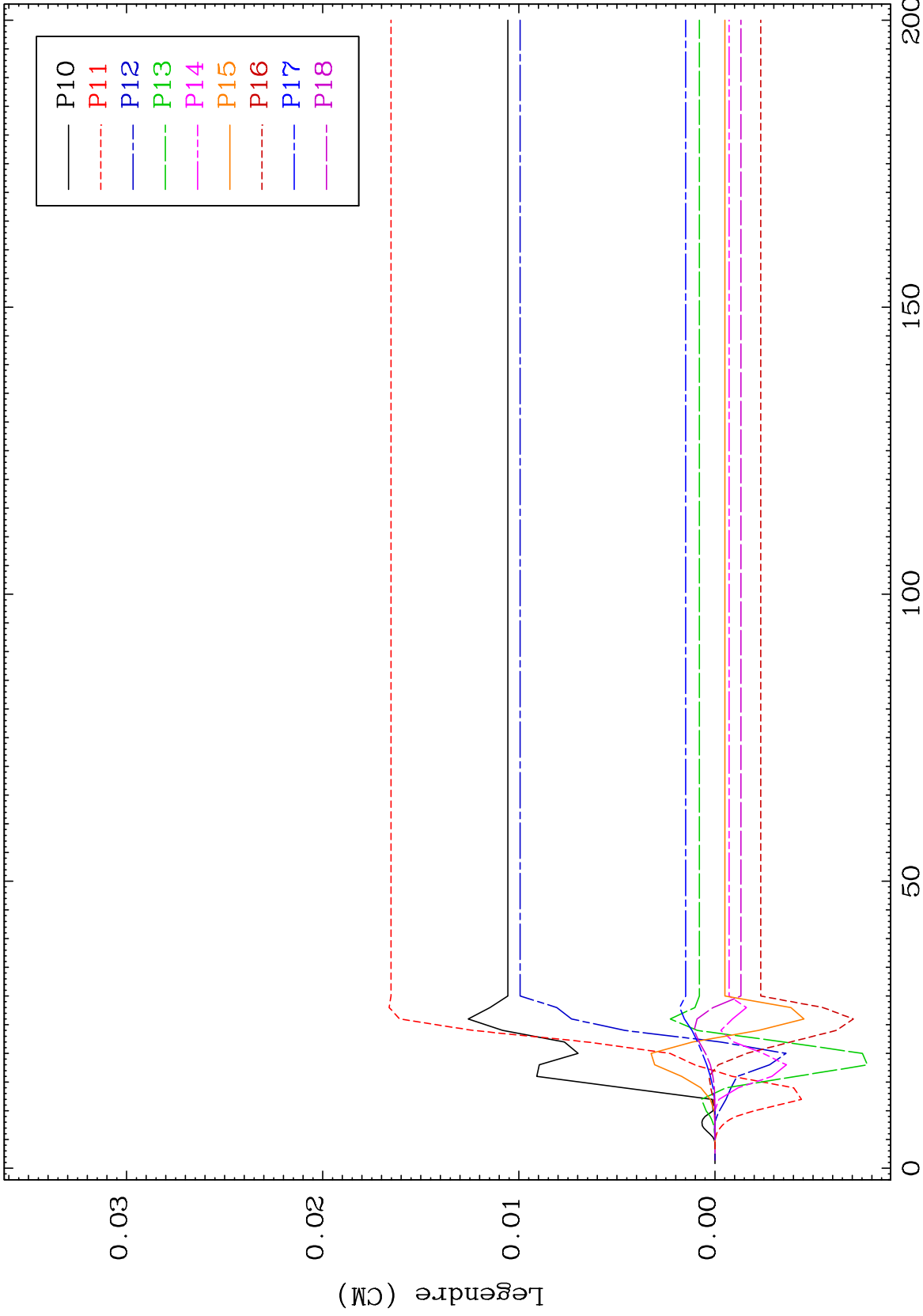
Incident Energy (MeV)

25

MAT 6289

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

63-Eu-139



26

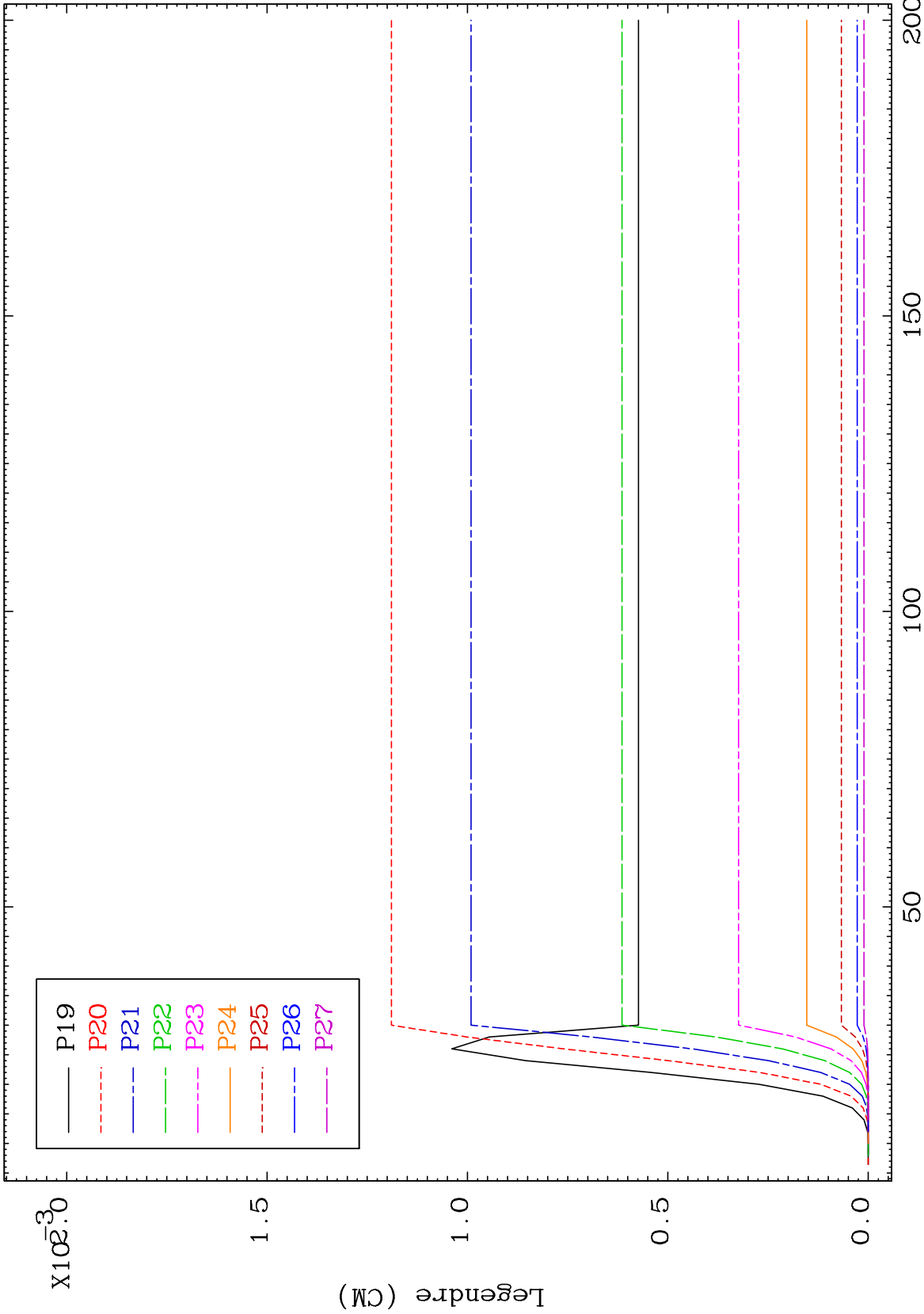
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



27

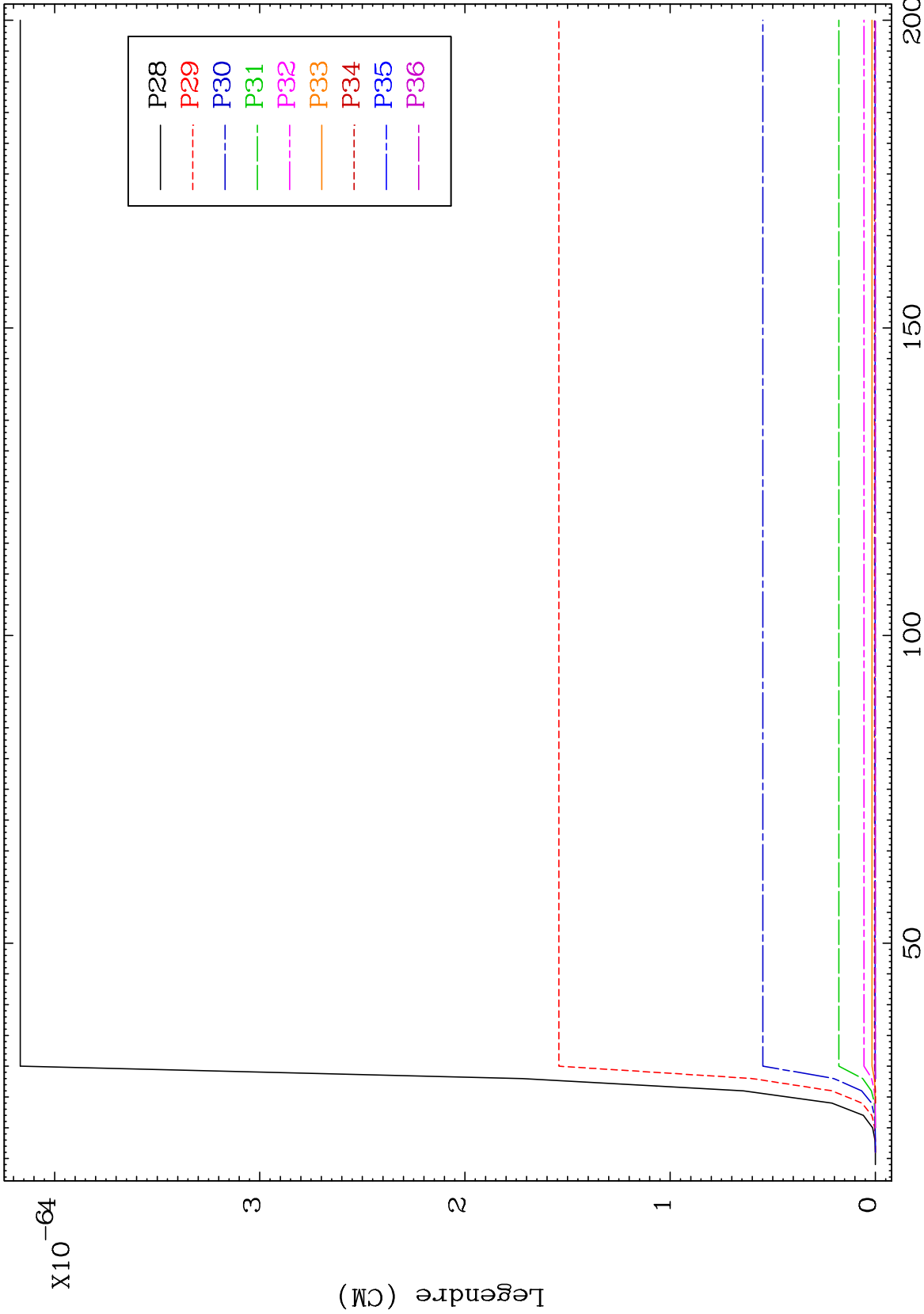
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



28

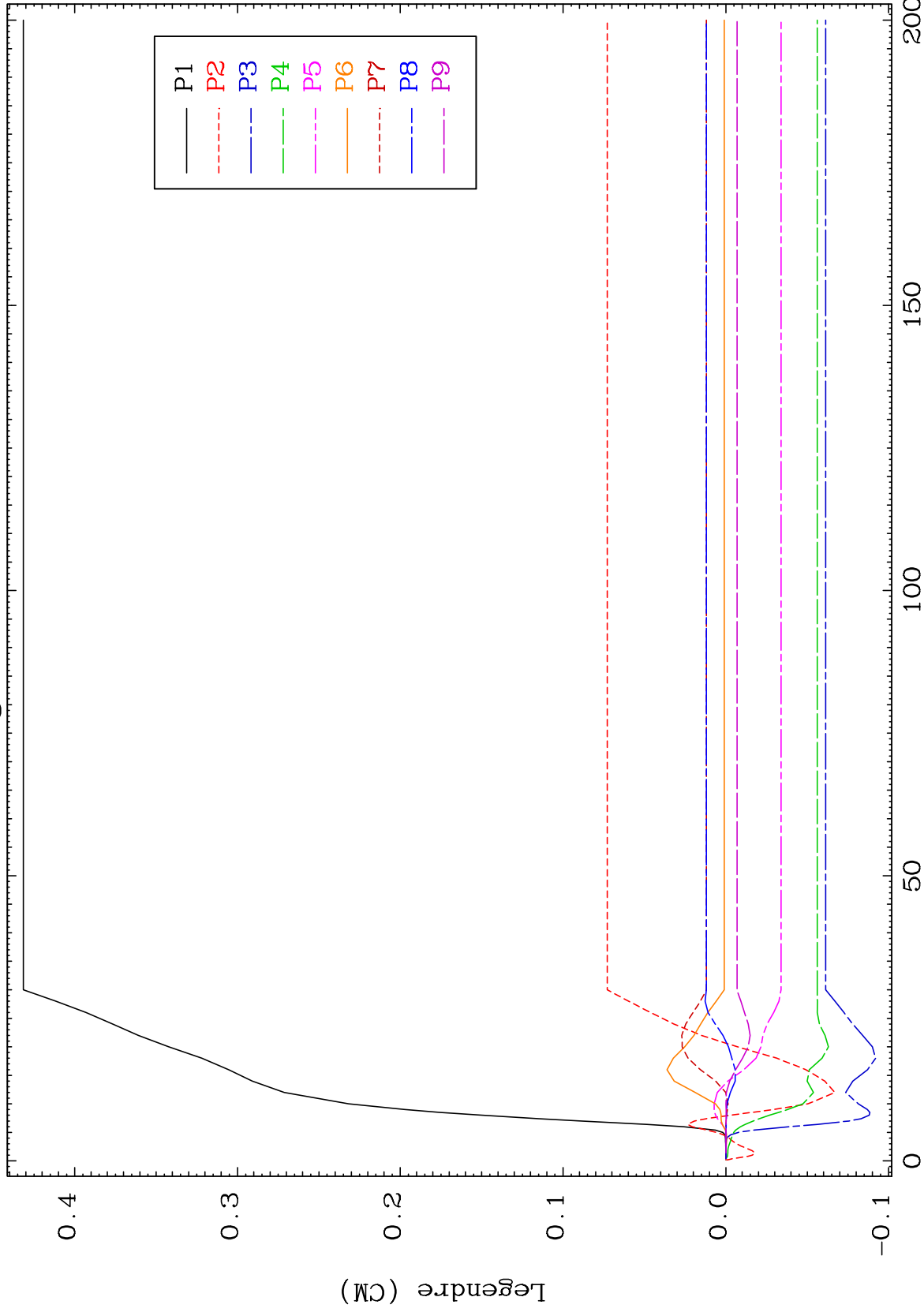
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



29

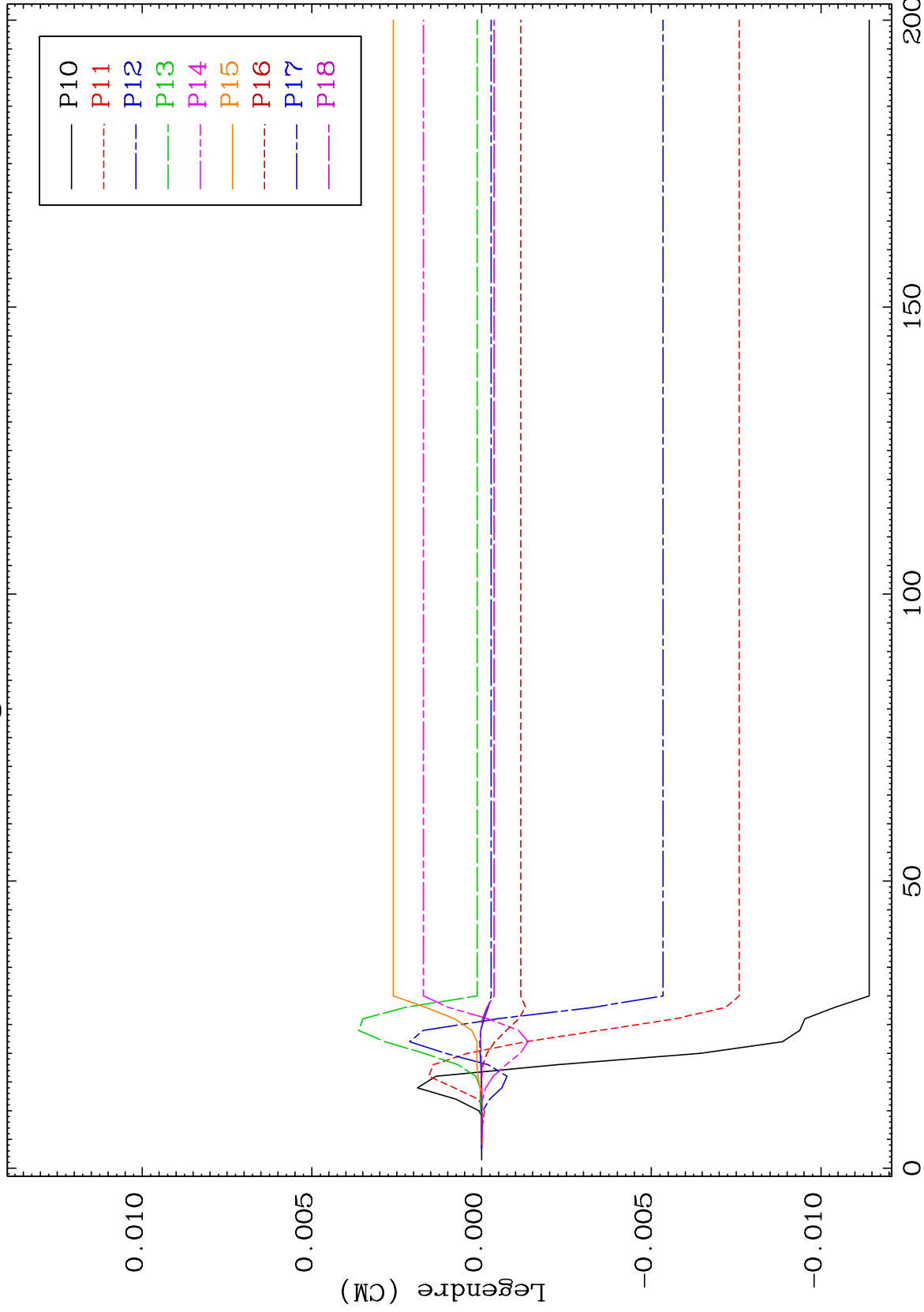
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

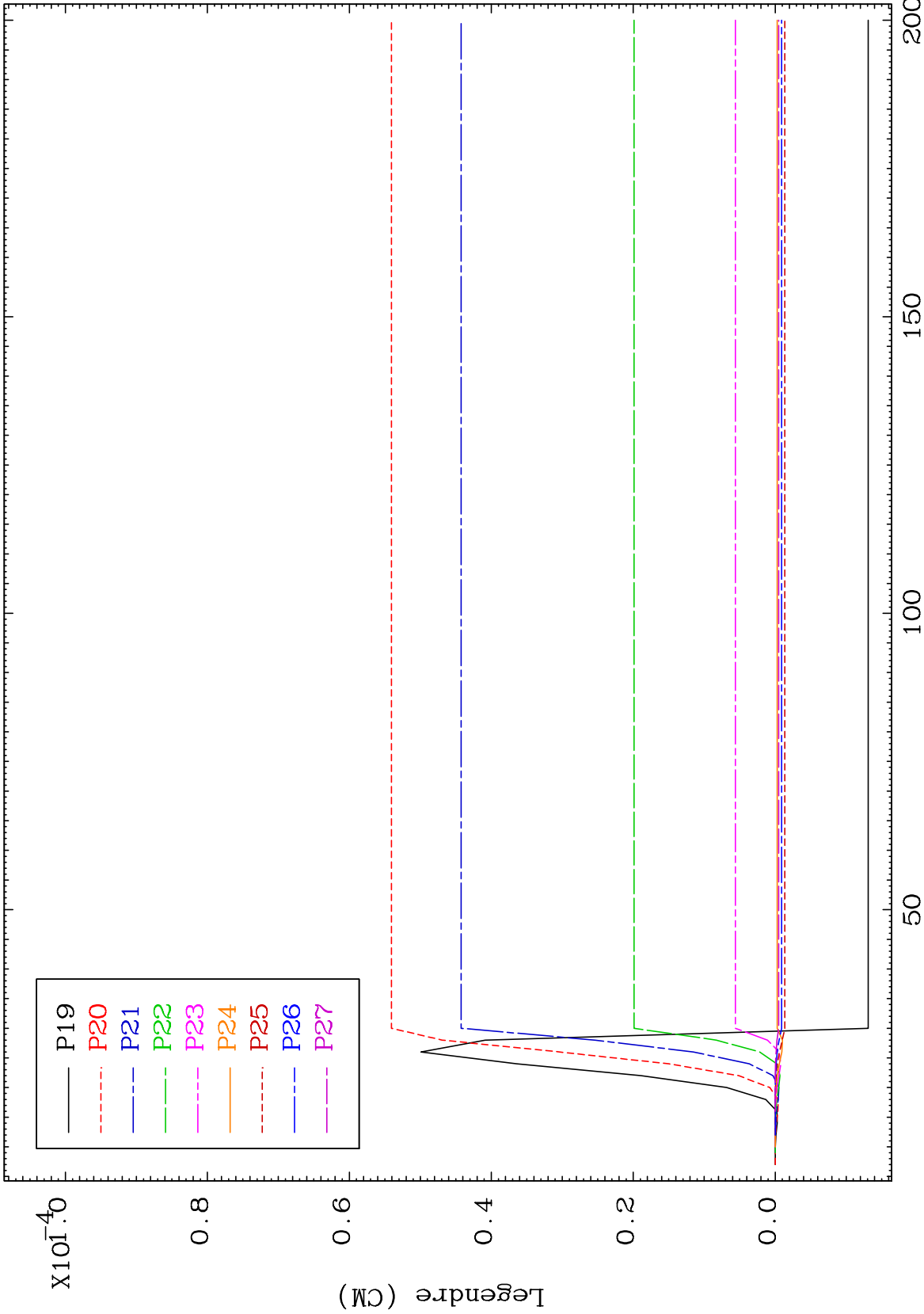
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30

Incident Energy (MeV)

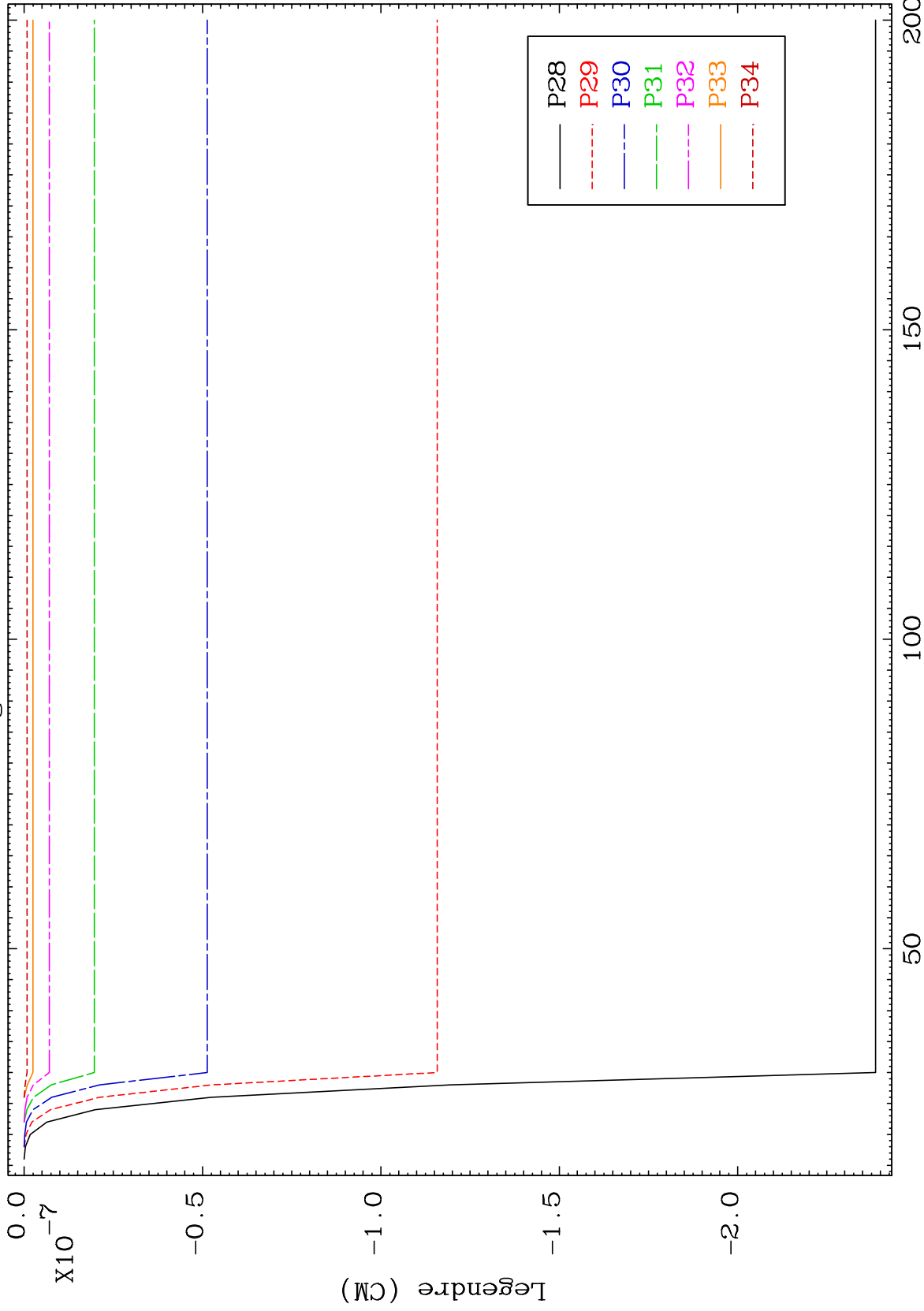
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MAT 6289

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

63-Eu-139



32

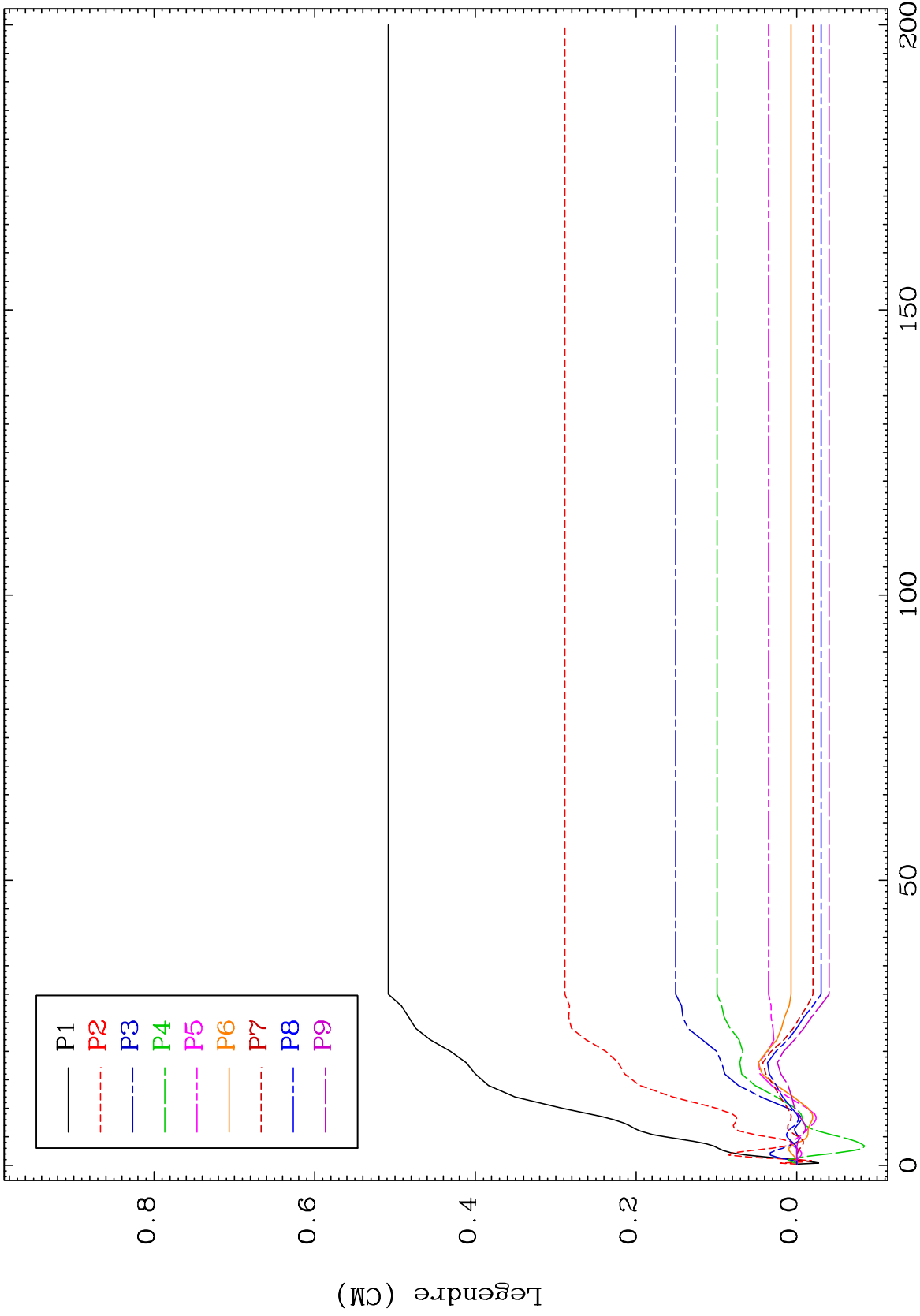
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



33

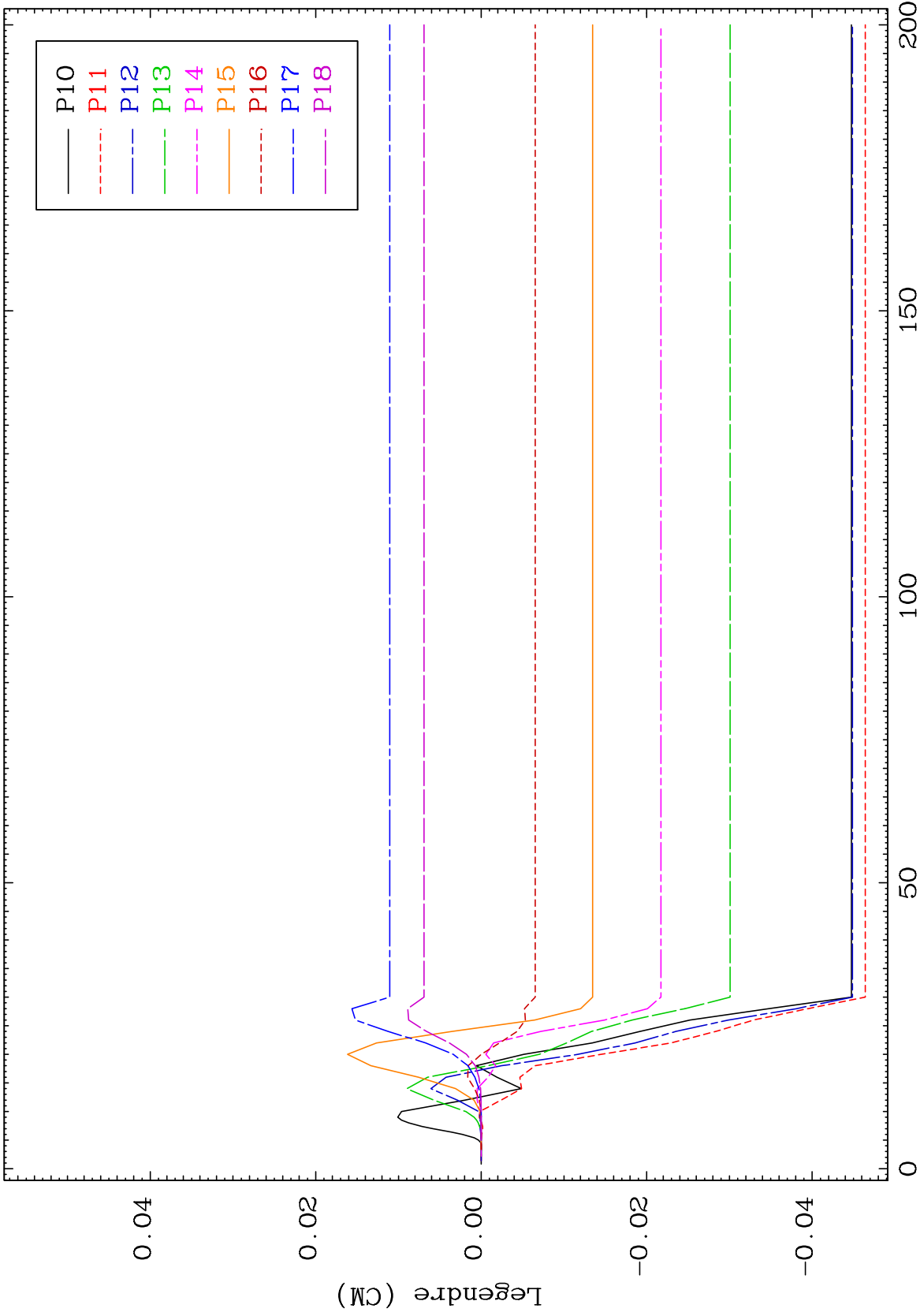
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



34

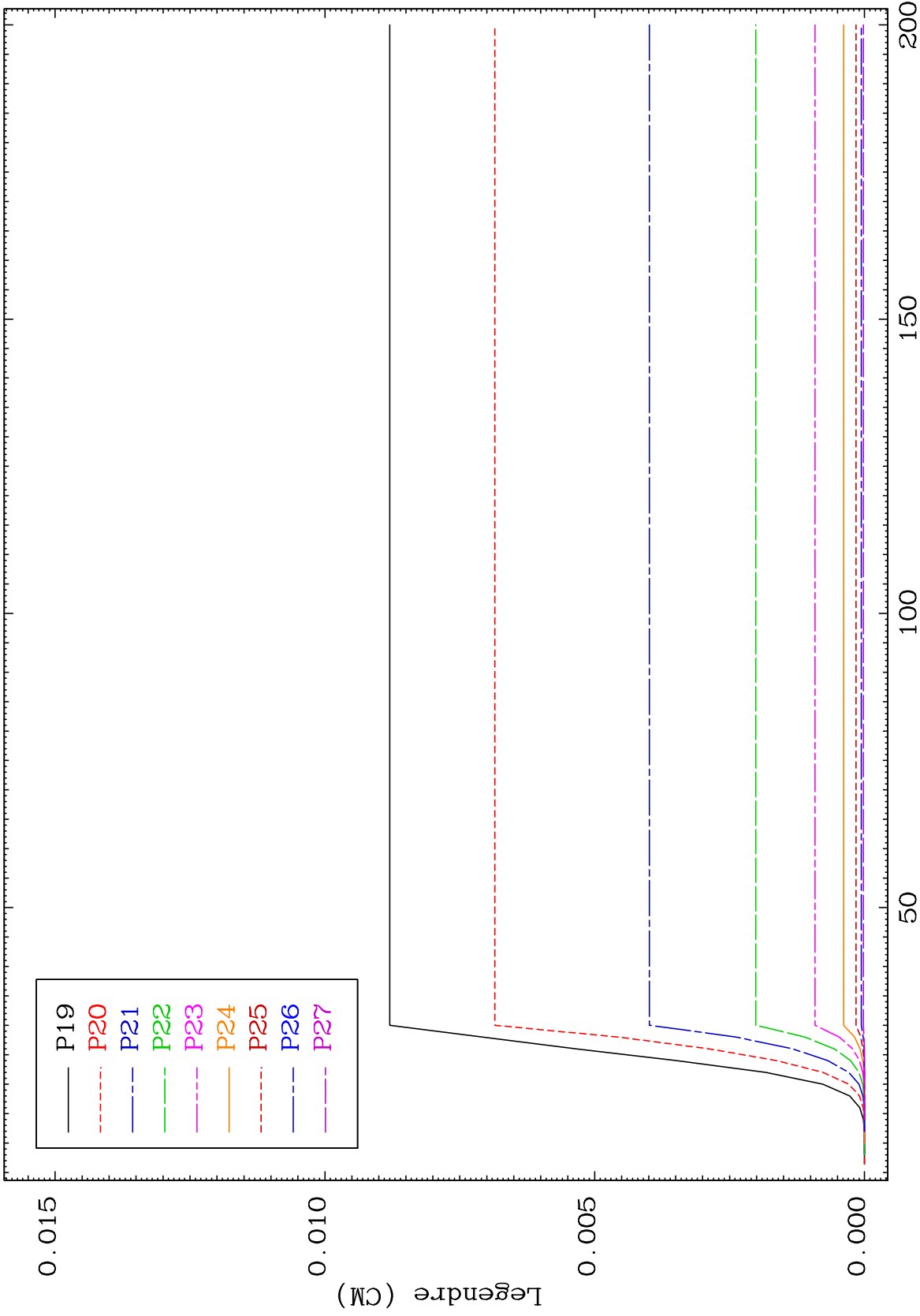
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



35

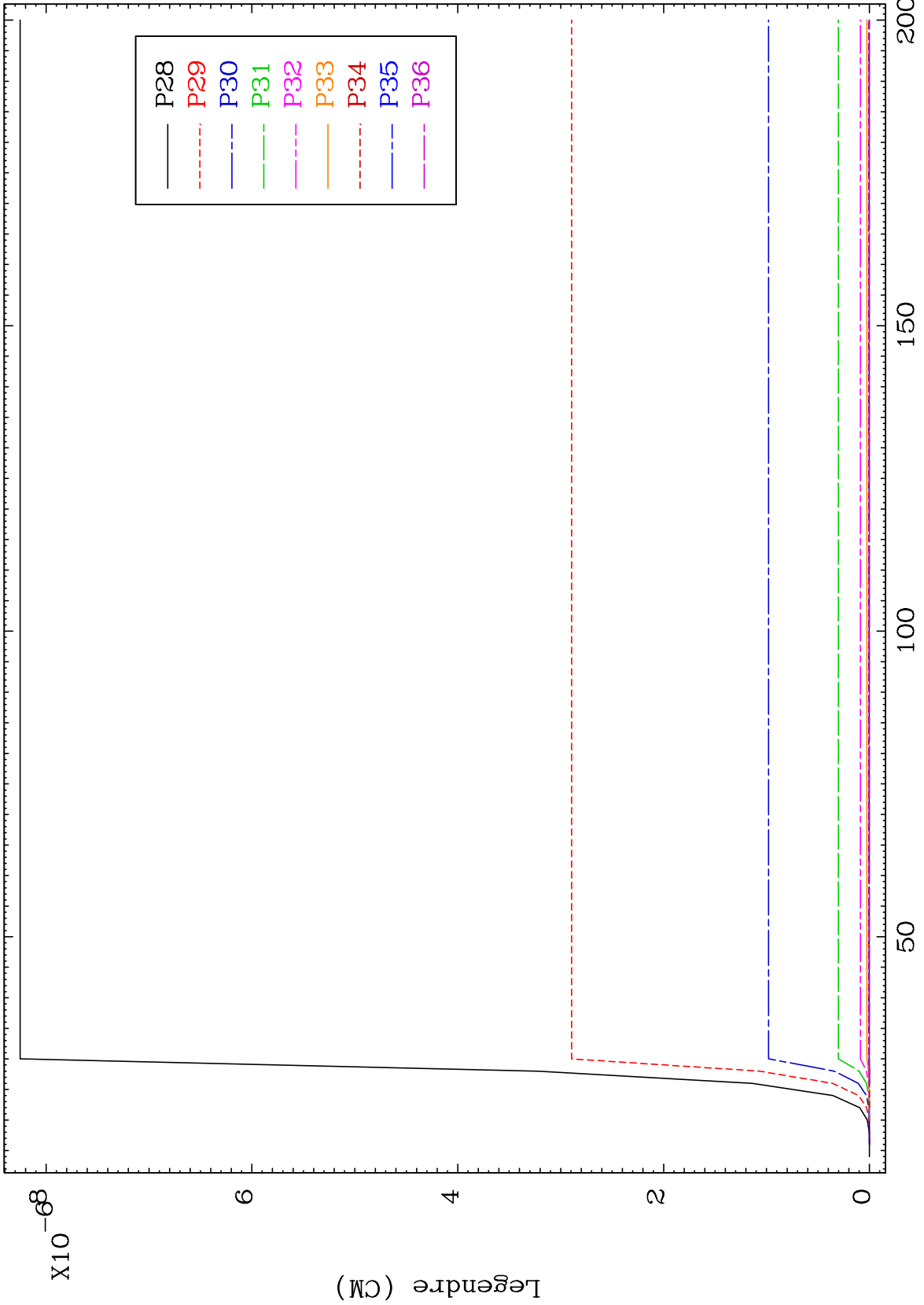
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



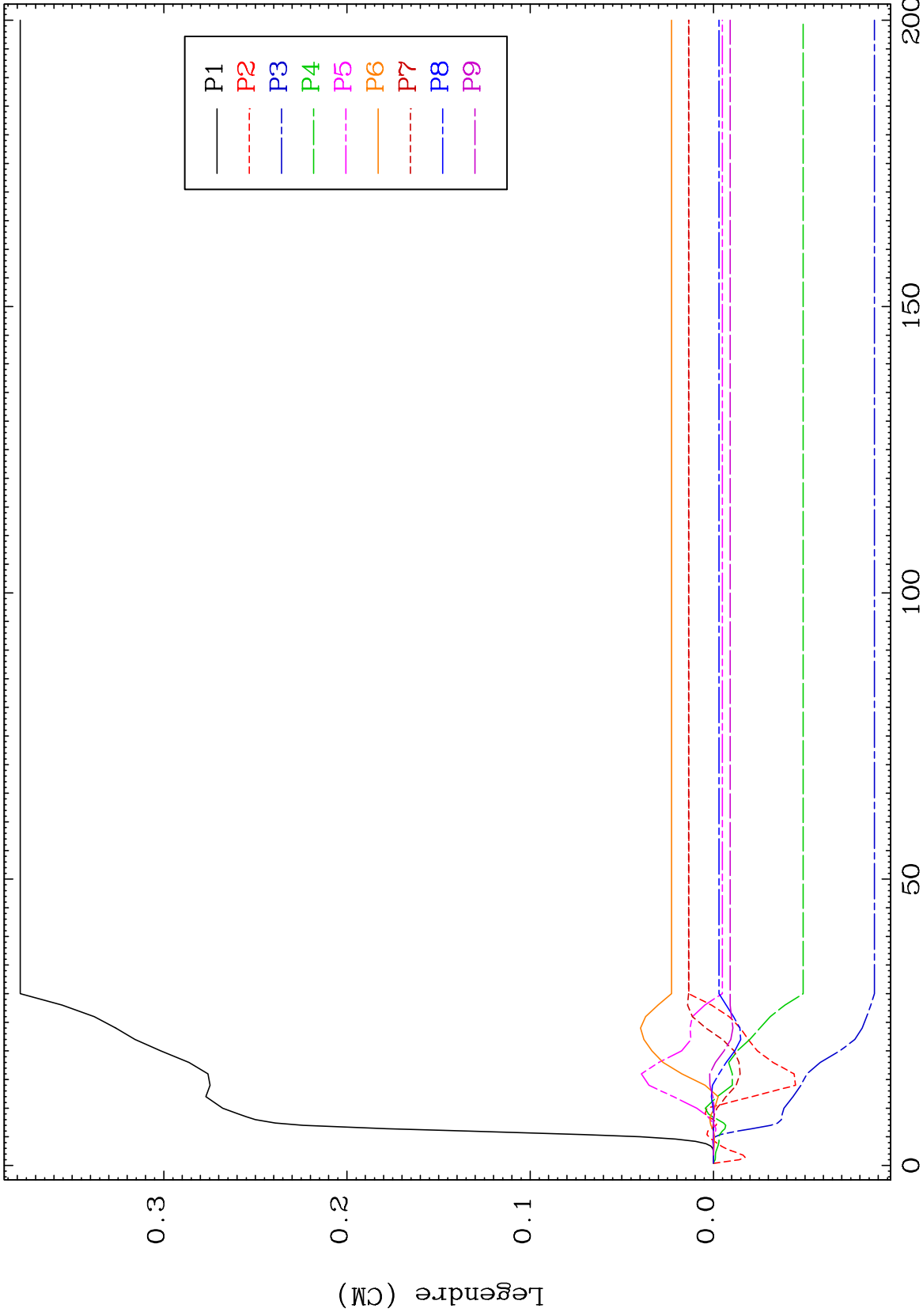
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63-Eu-139

MAT 6289

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

63-Eu-139



37

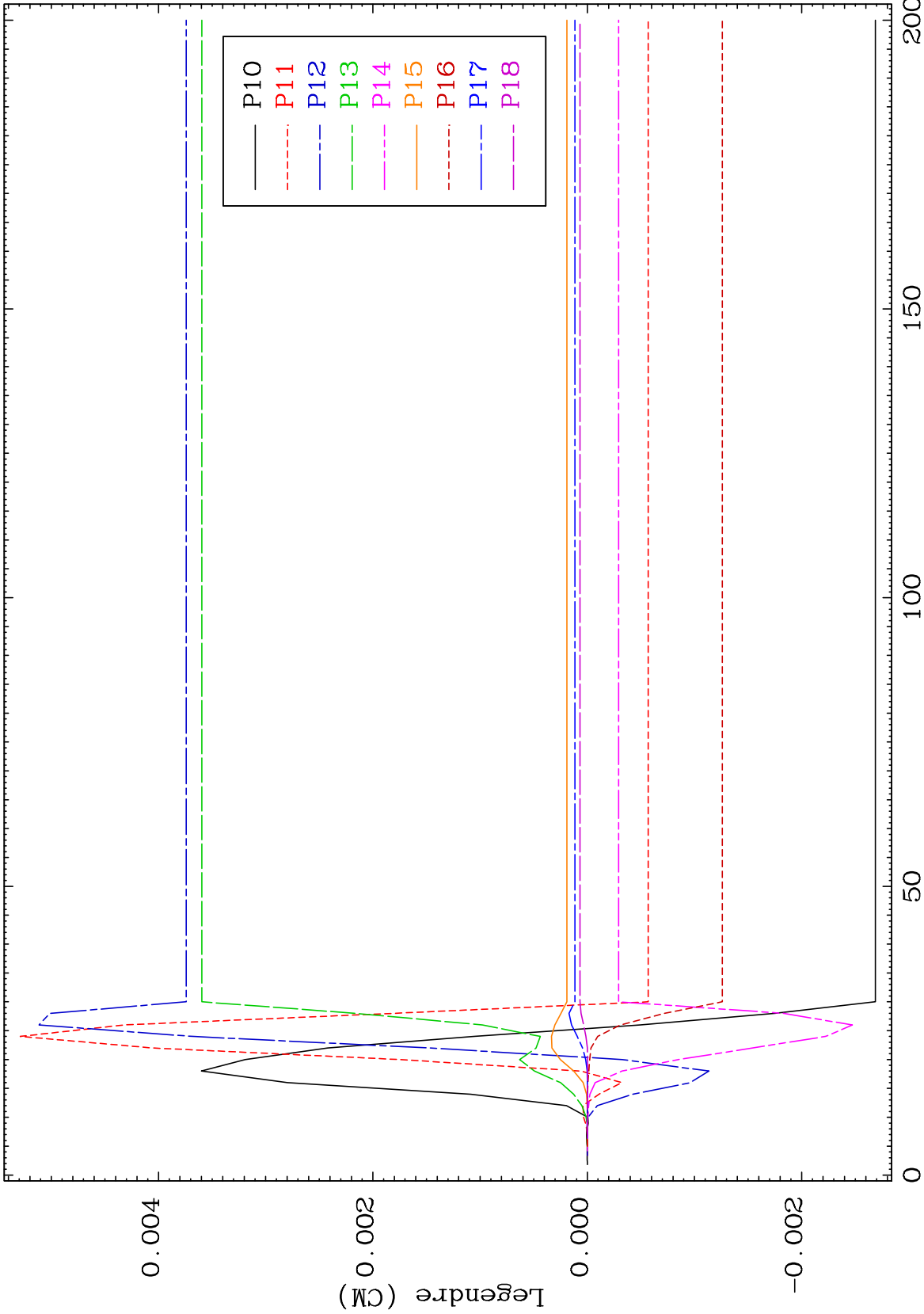
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



38

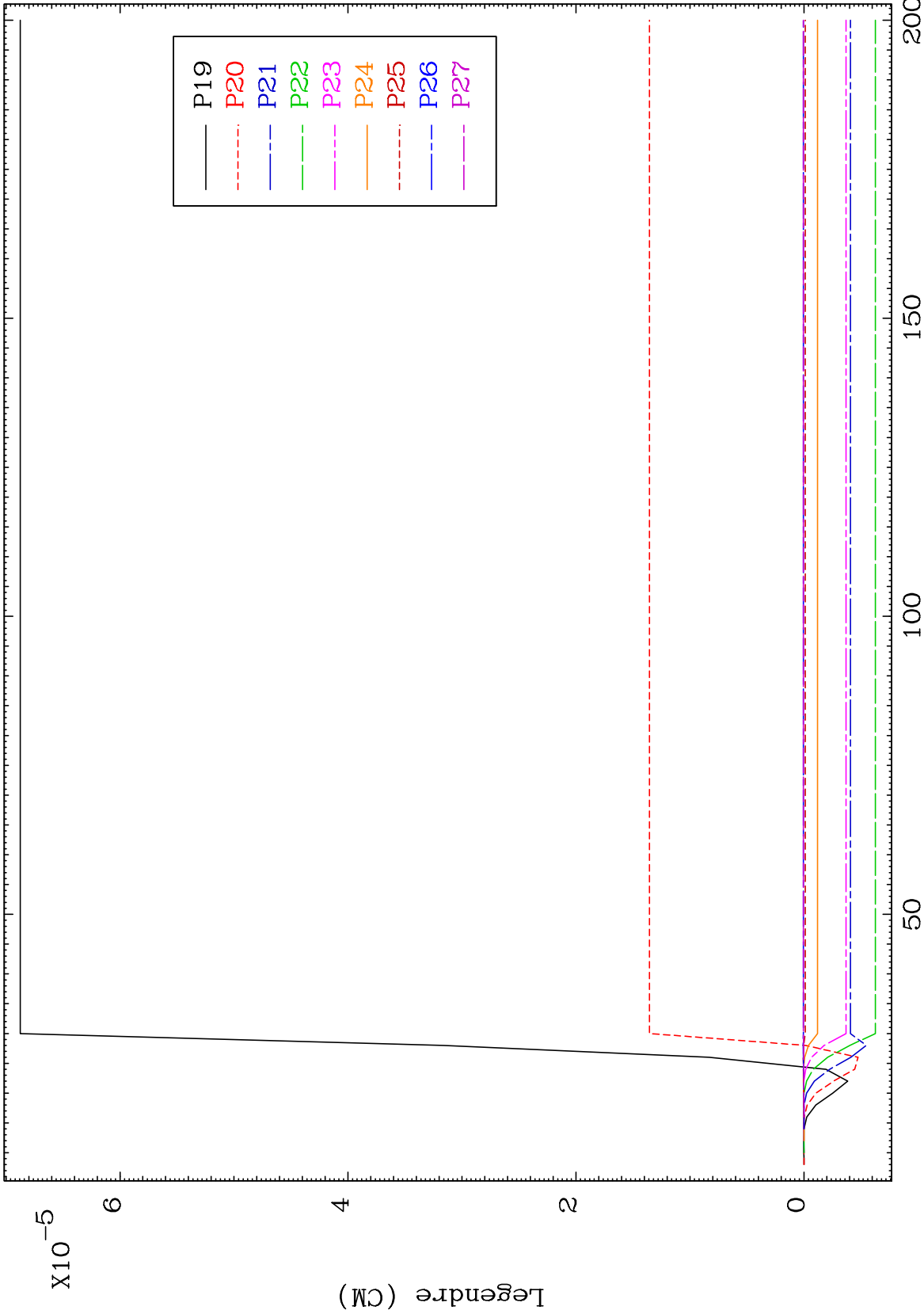
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



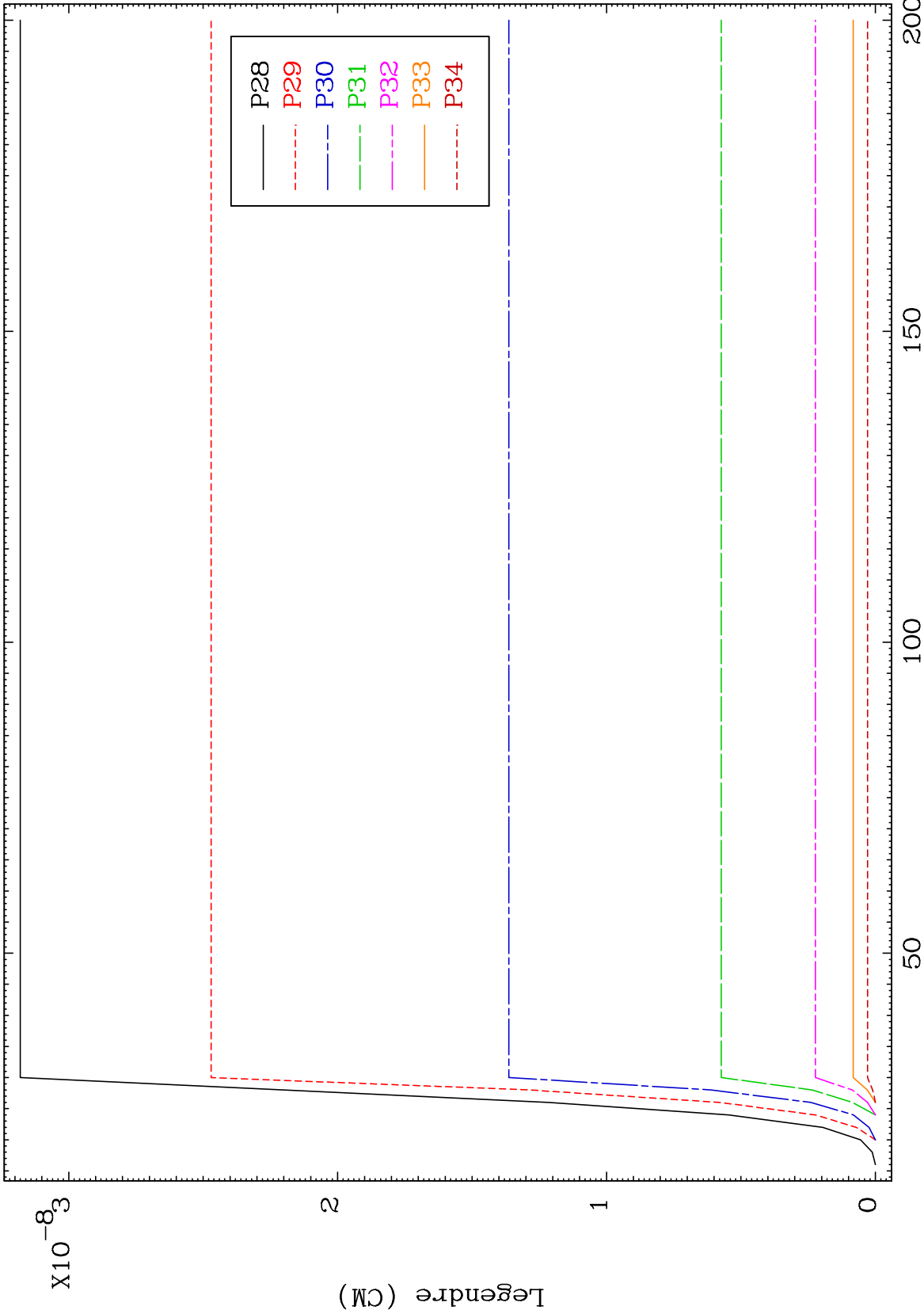
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63-Eu-139

MAT 6289

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

63-Eu-139



40

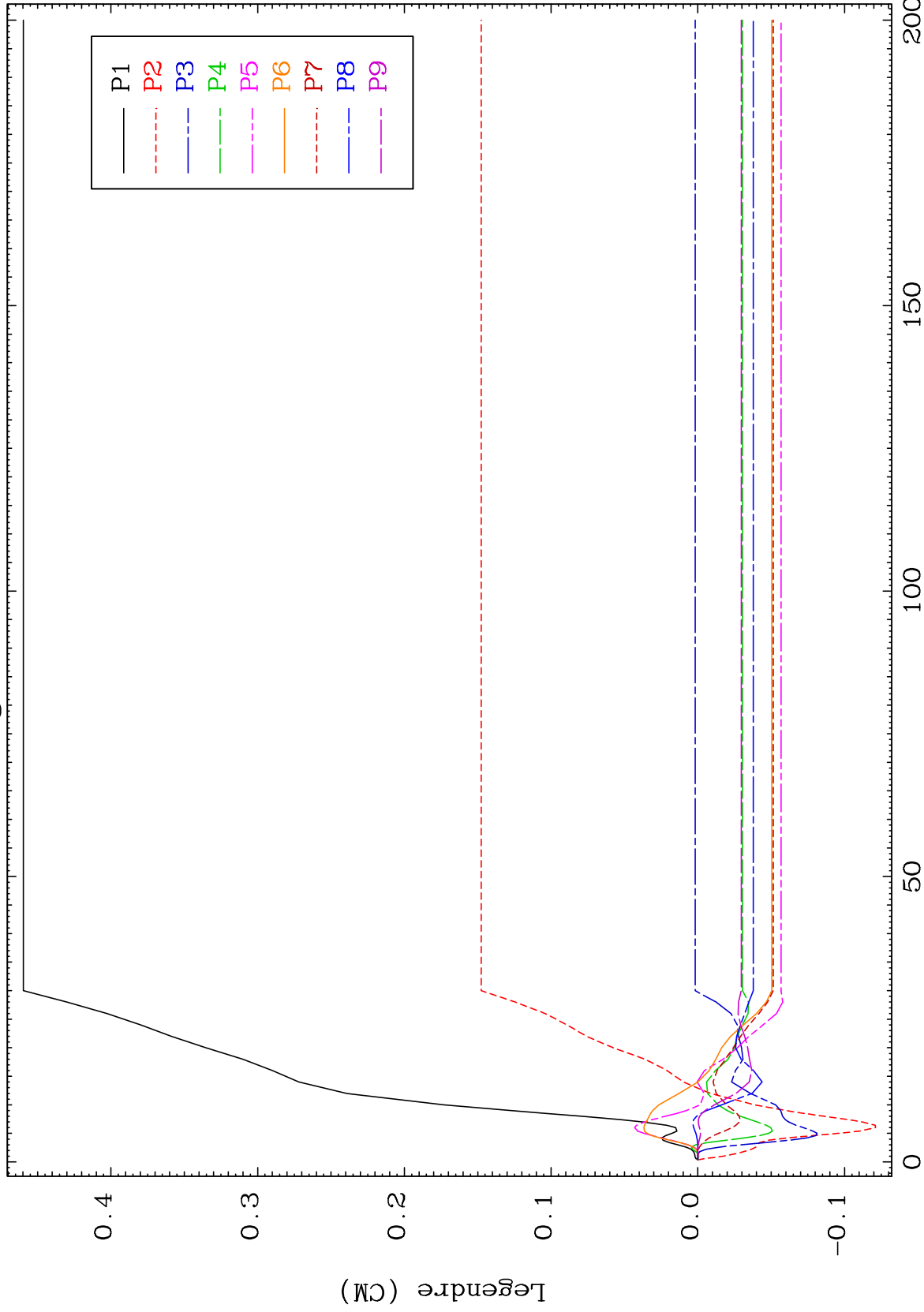
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



41

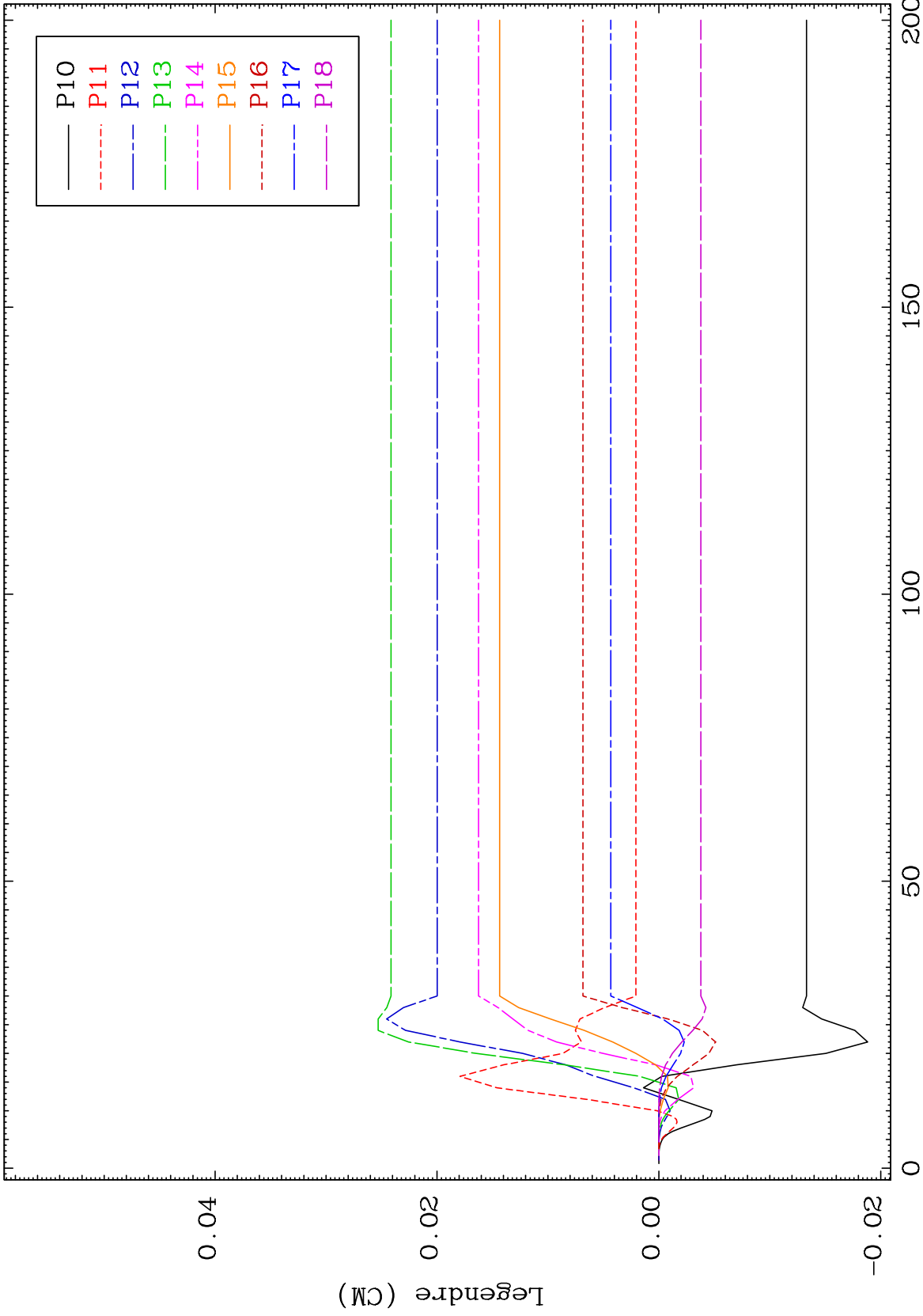
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



42

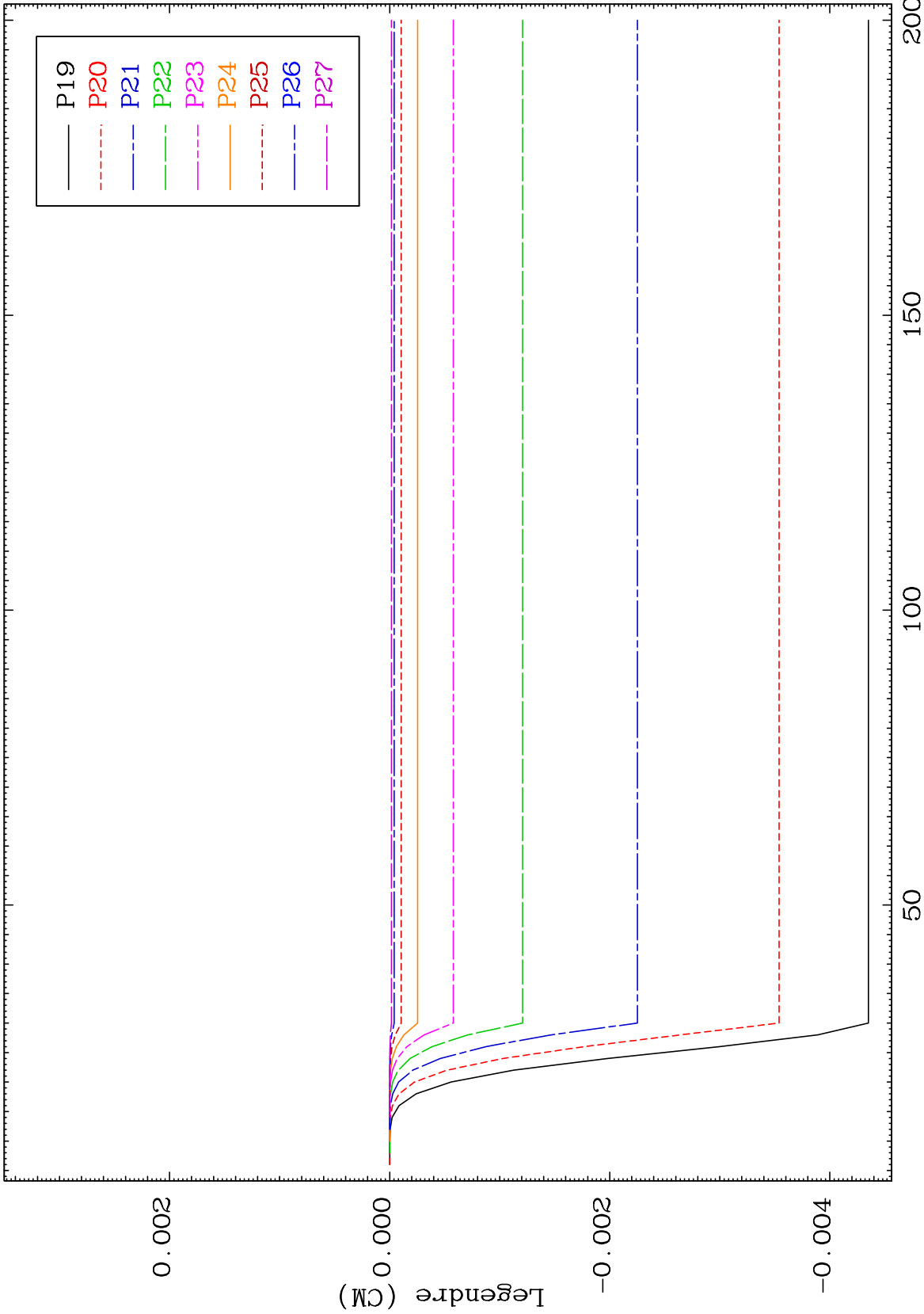
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



43

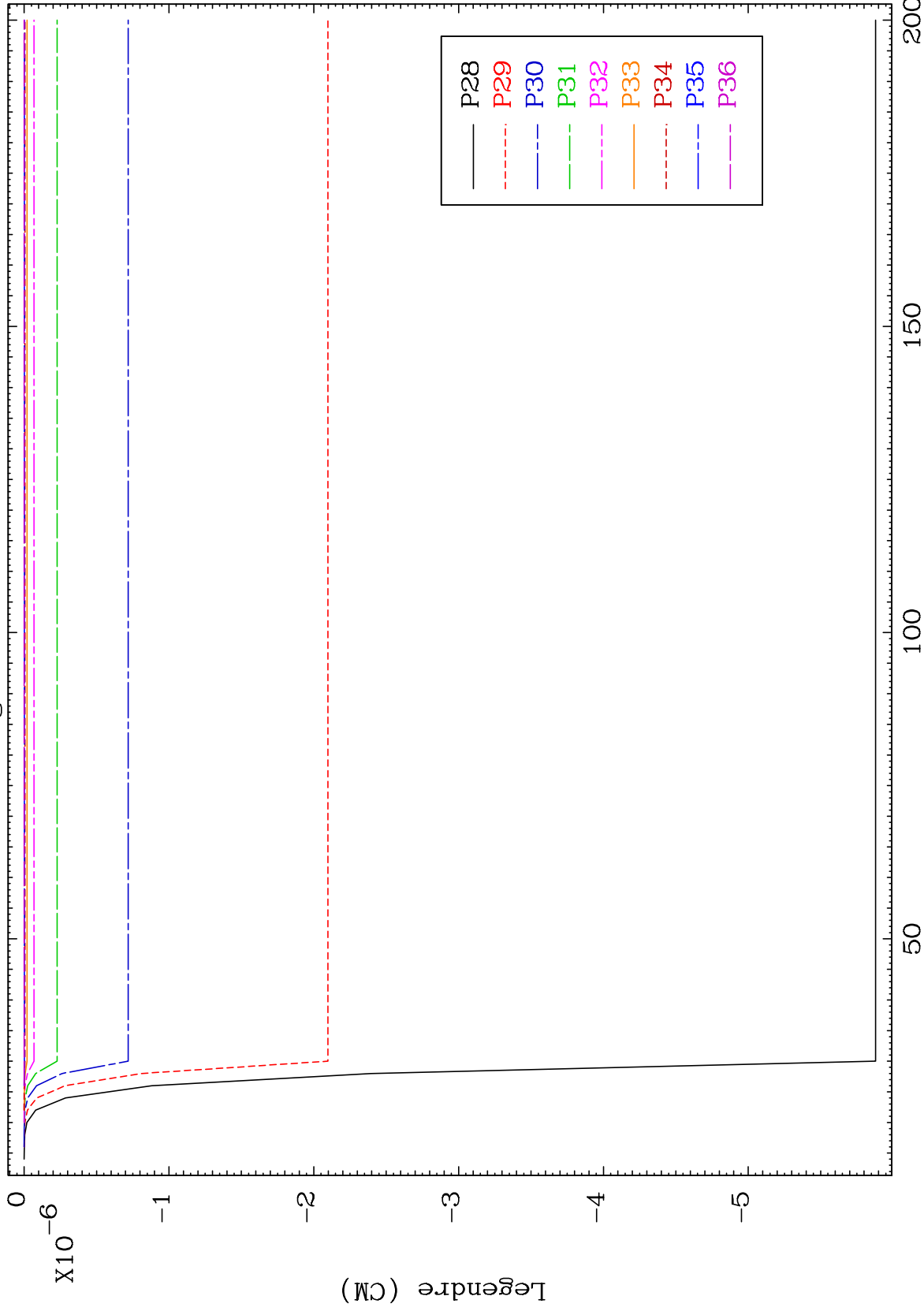
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



63-Eu-139

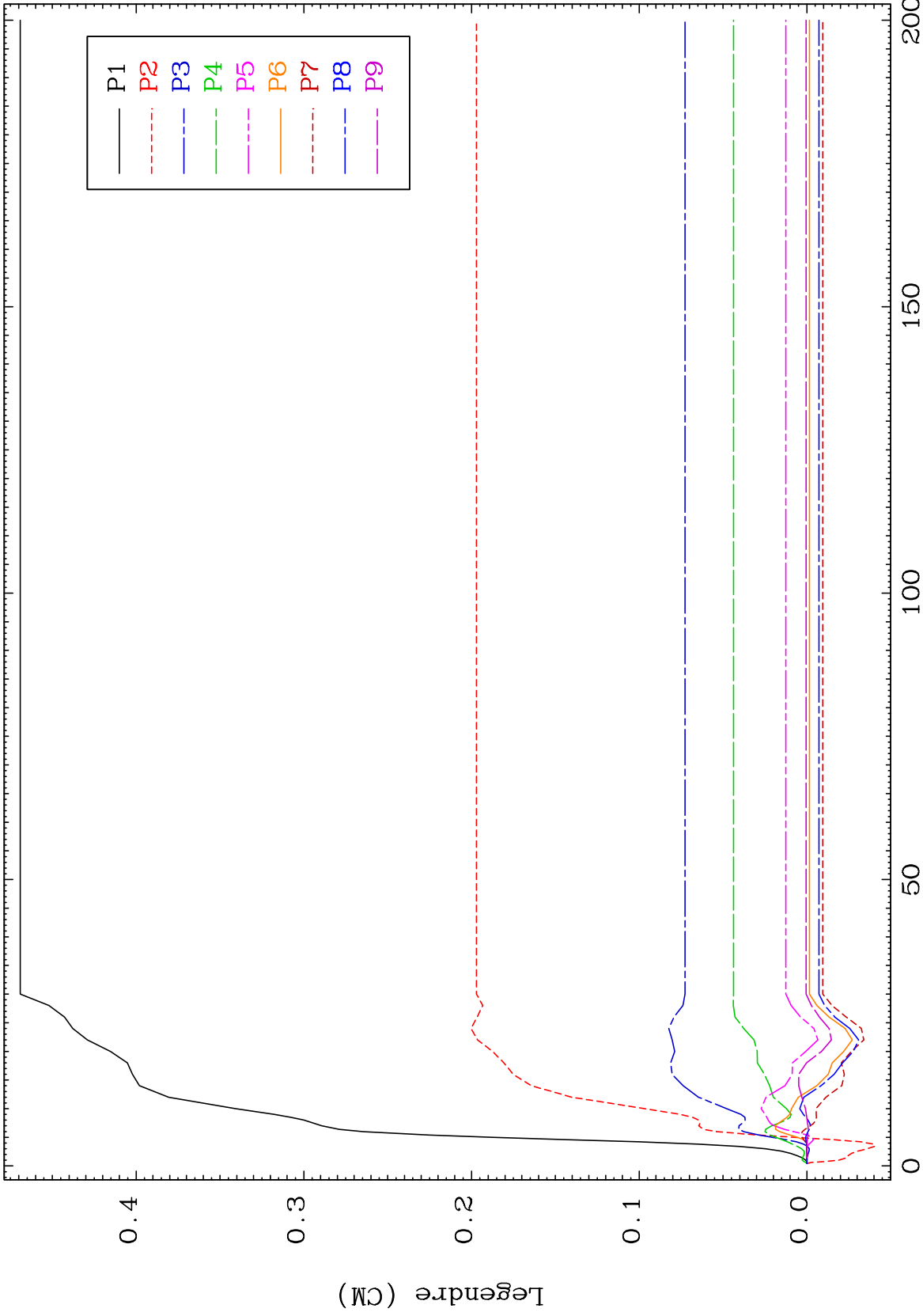
Incident Energy (MeV)

44

MAT 6289

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

63-Eu-139



45

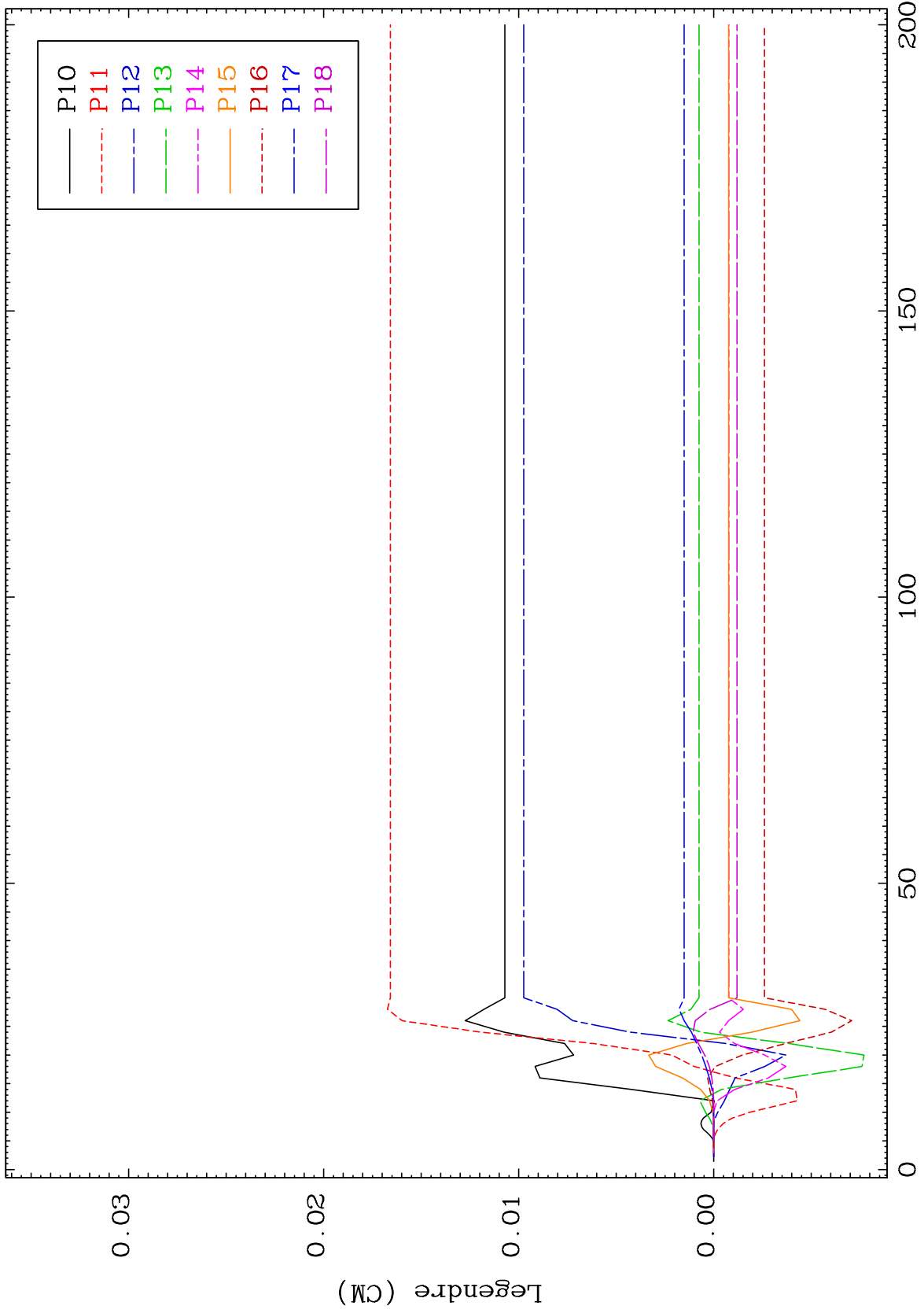
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



46

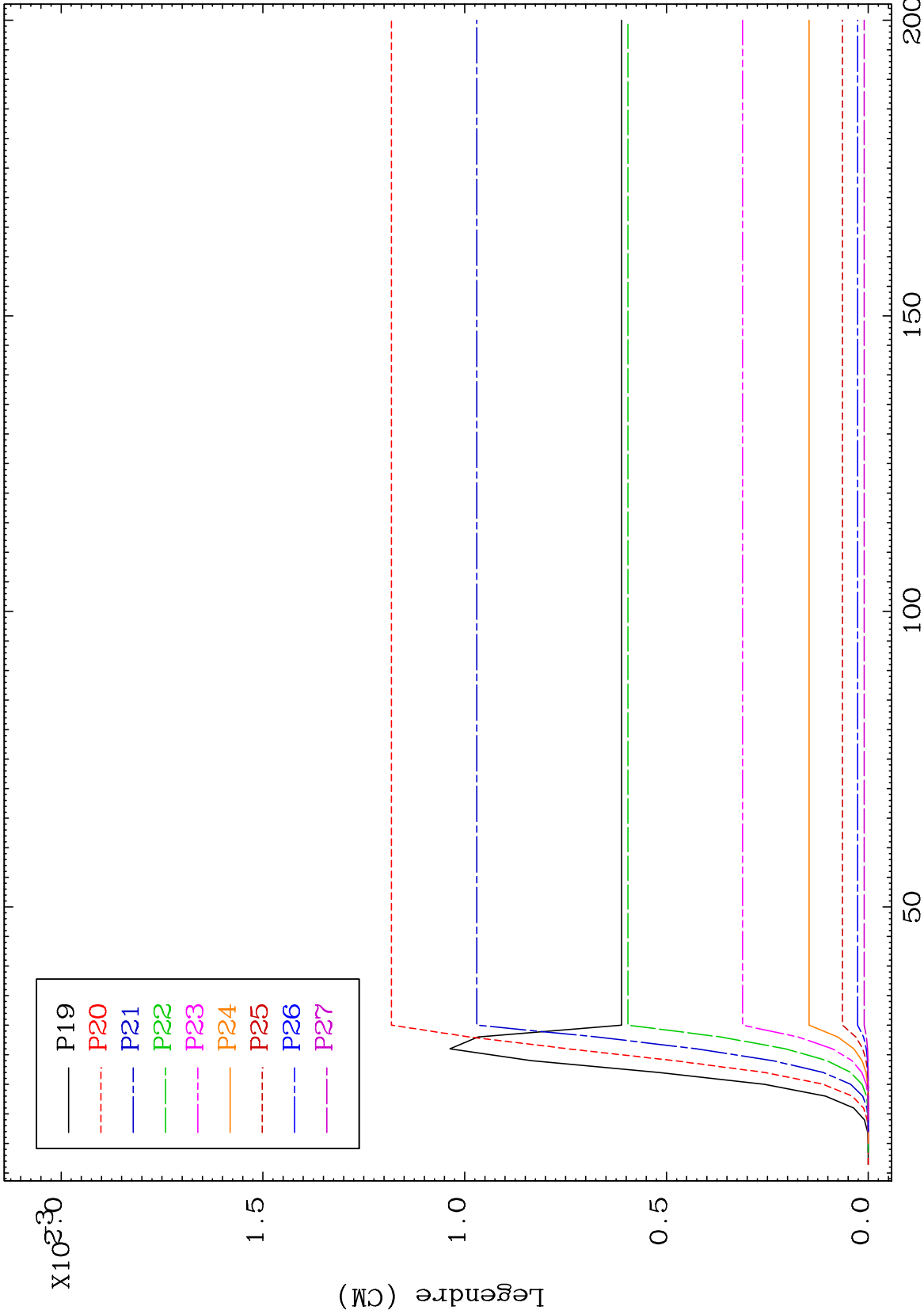
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



47

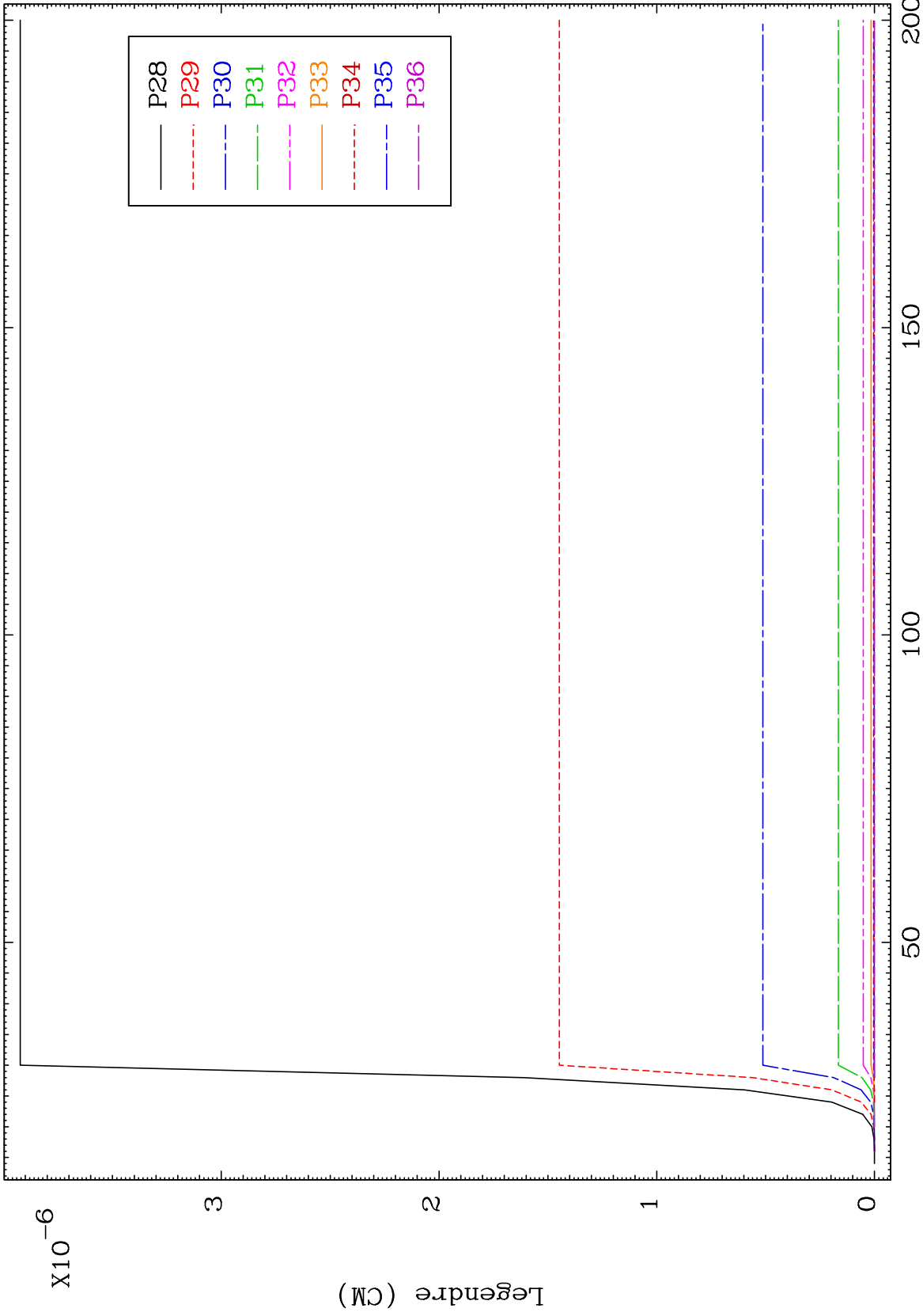
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



48

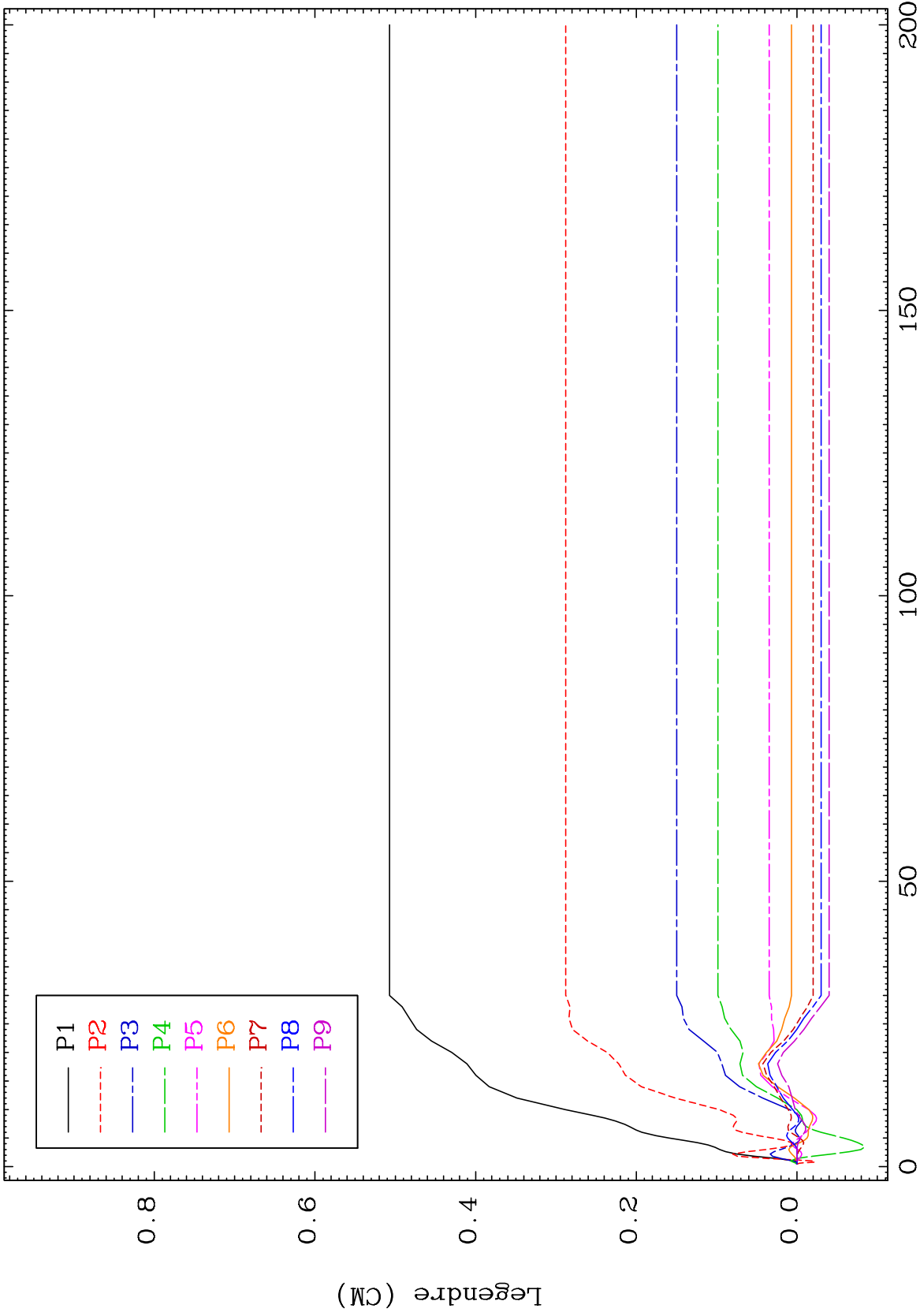
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



49

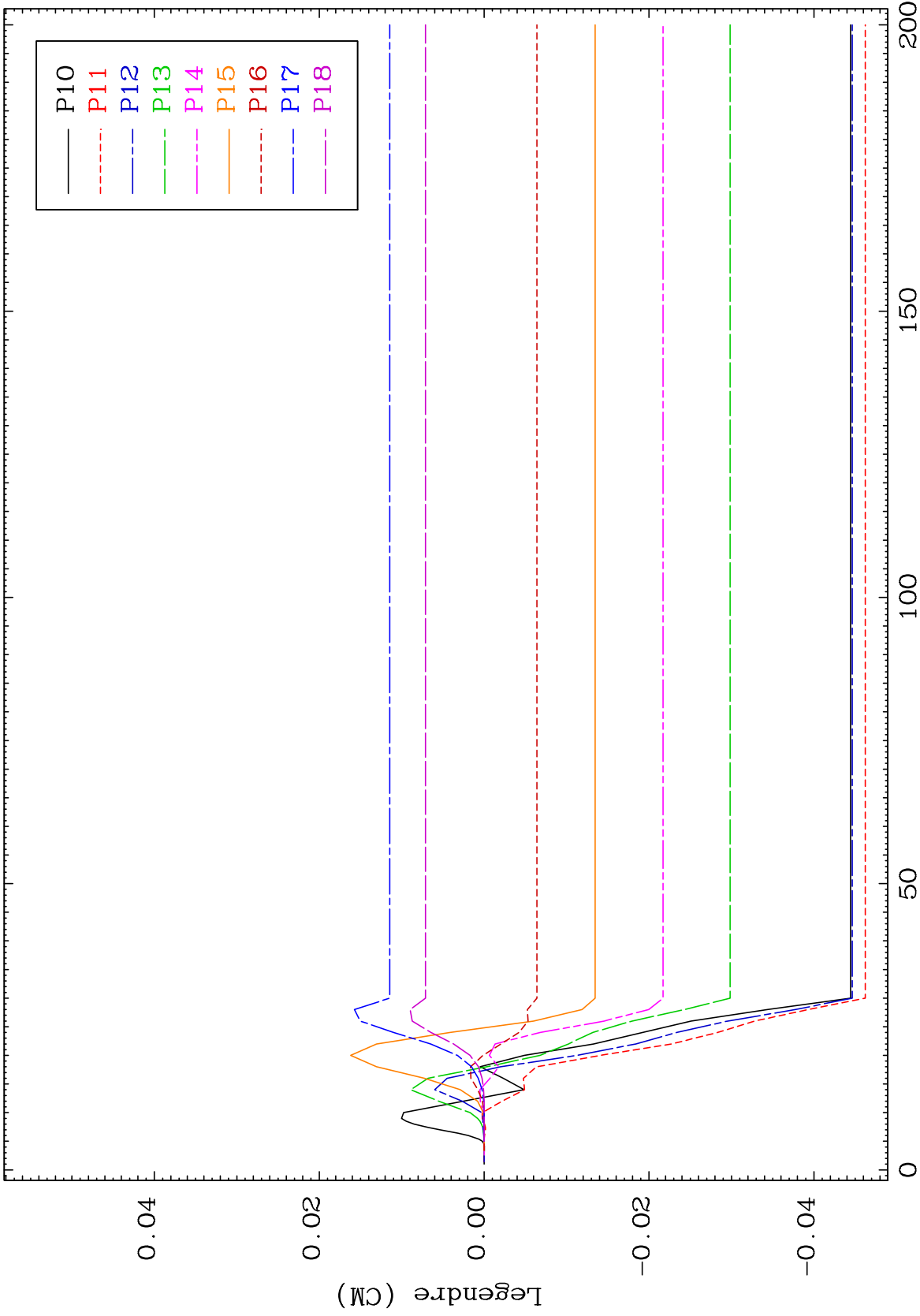
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



50

50

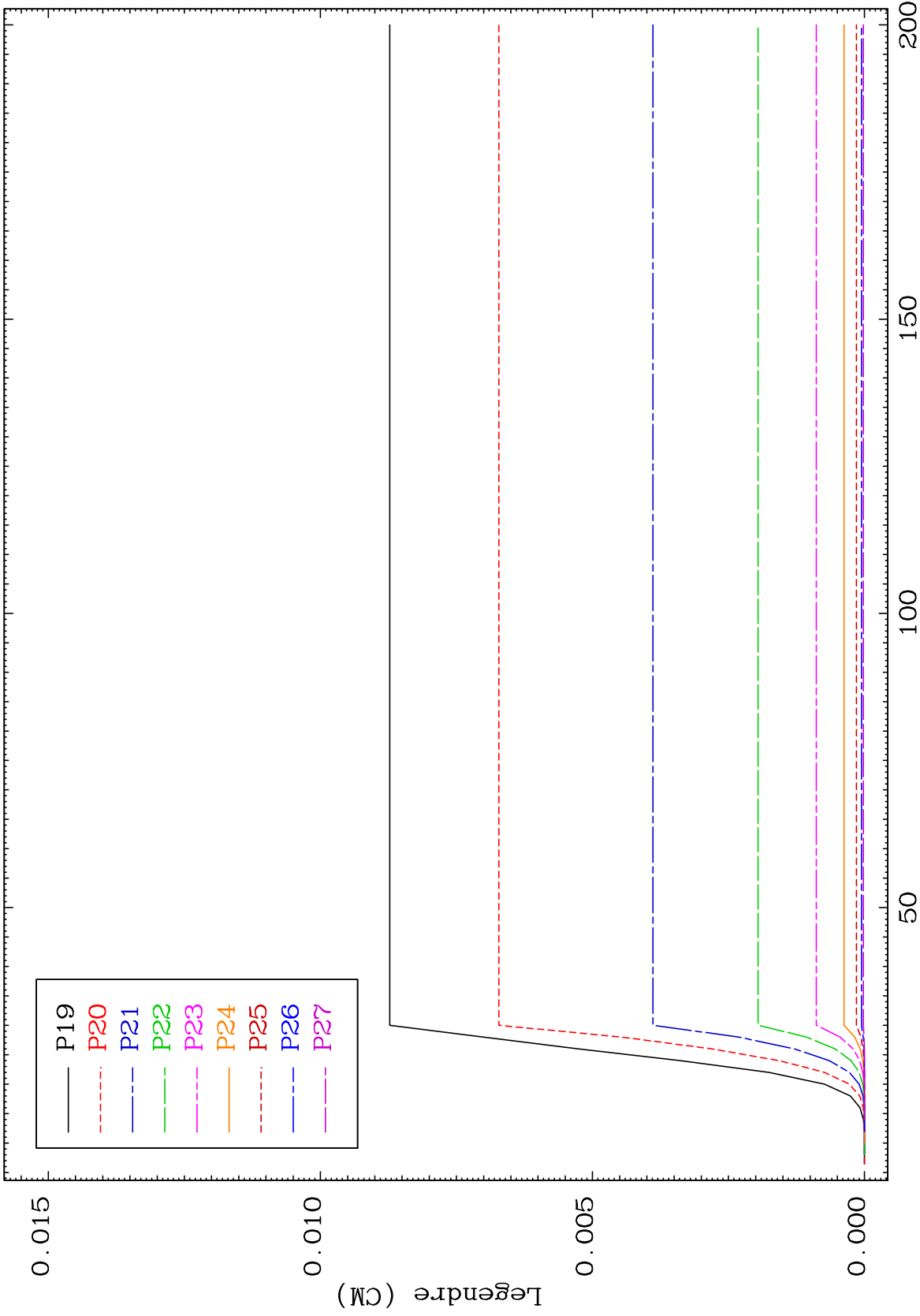
100

150

200

Incident Energy (MeV)

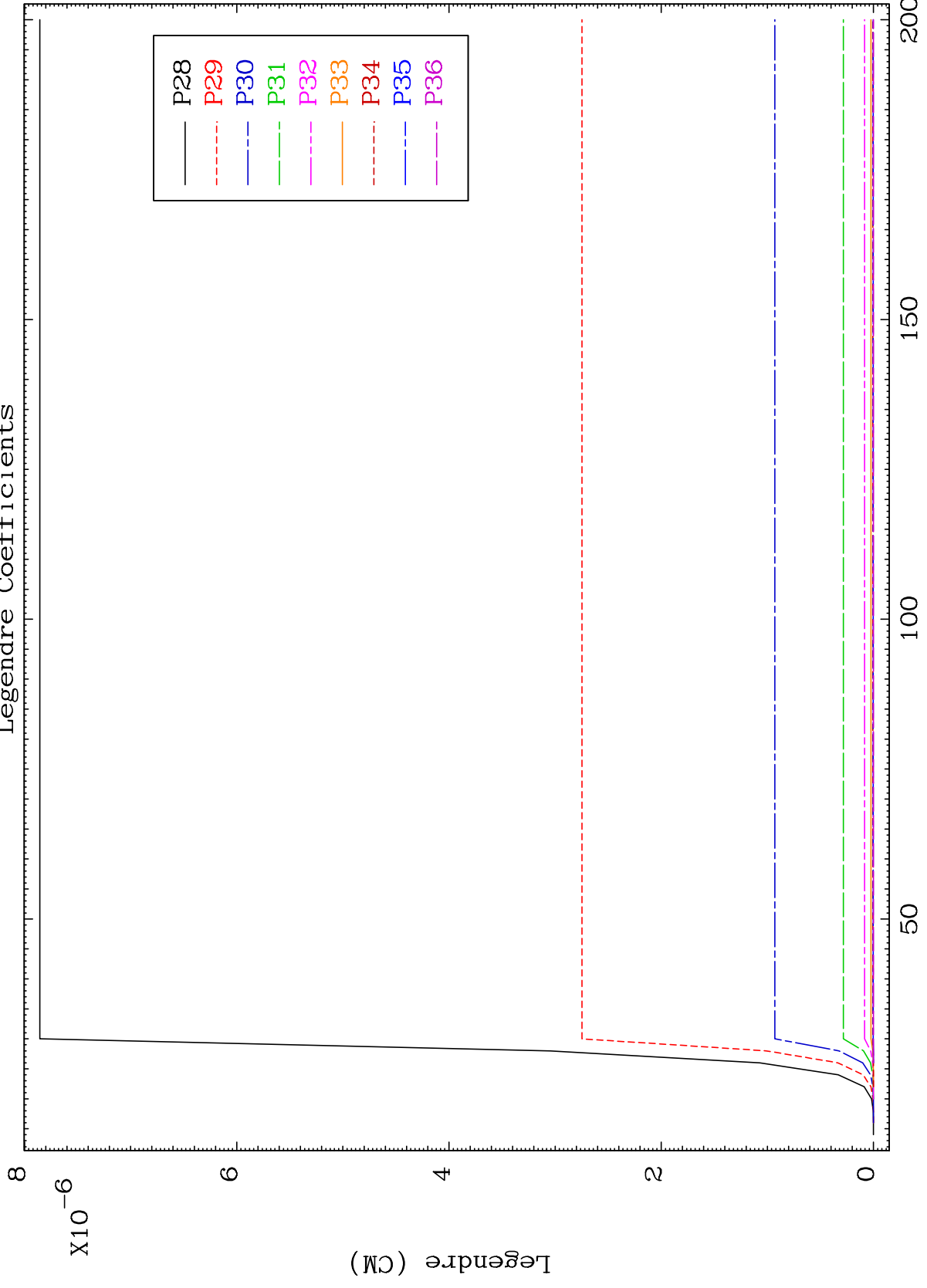
63-Eu-139



MAT 6289

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

63-Eu-139



52

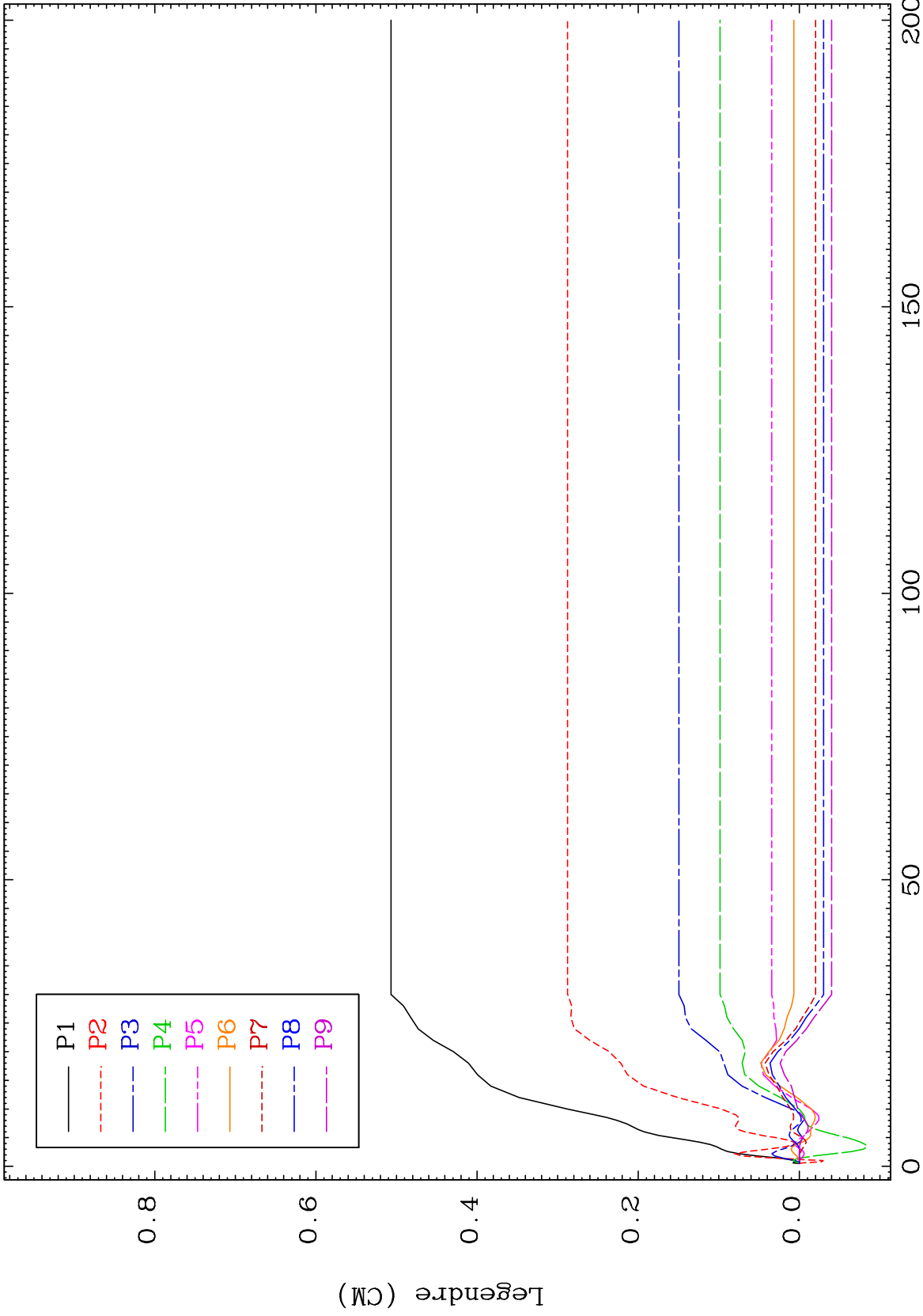
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



53

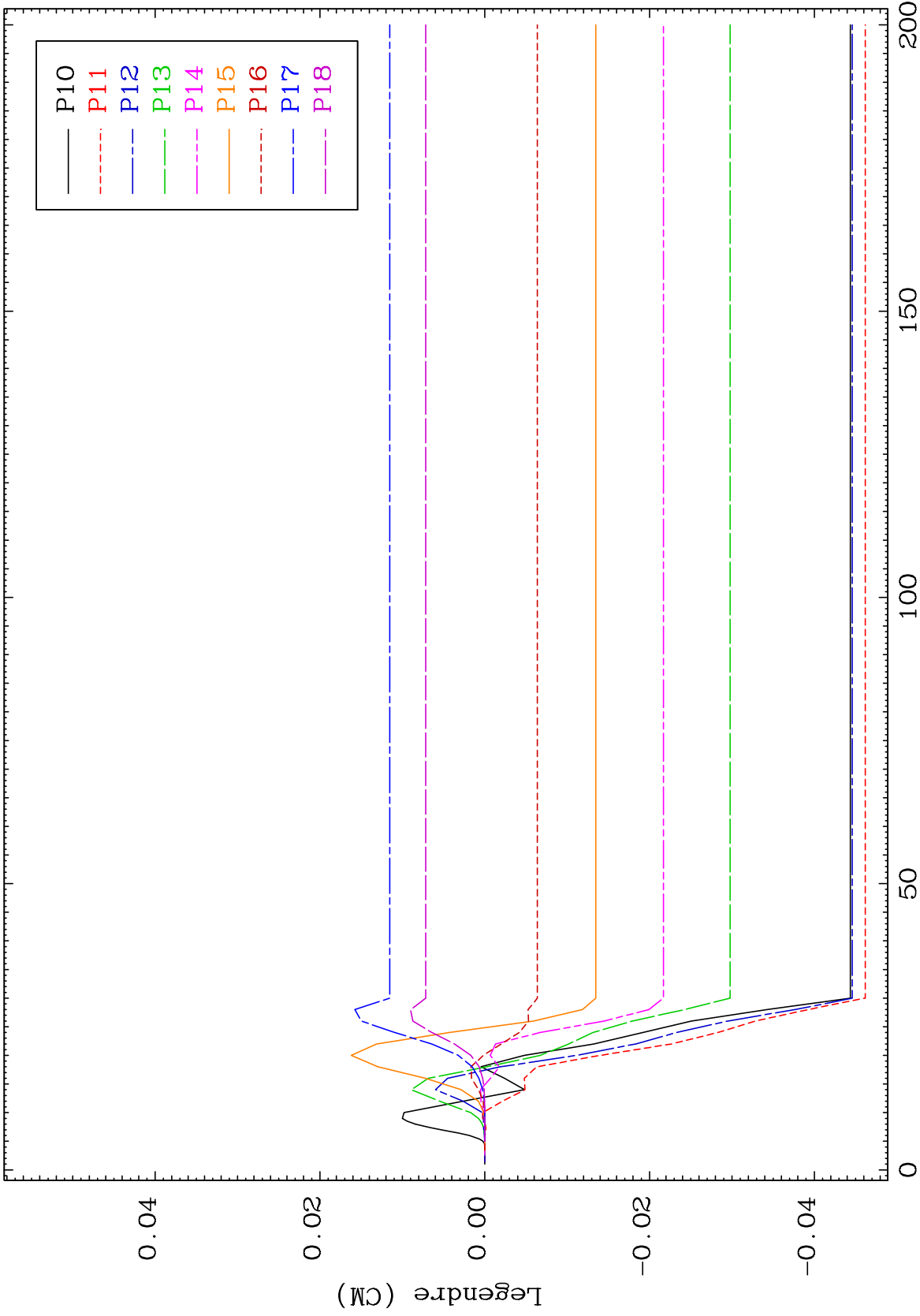
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



54

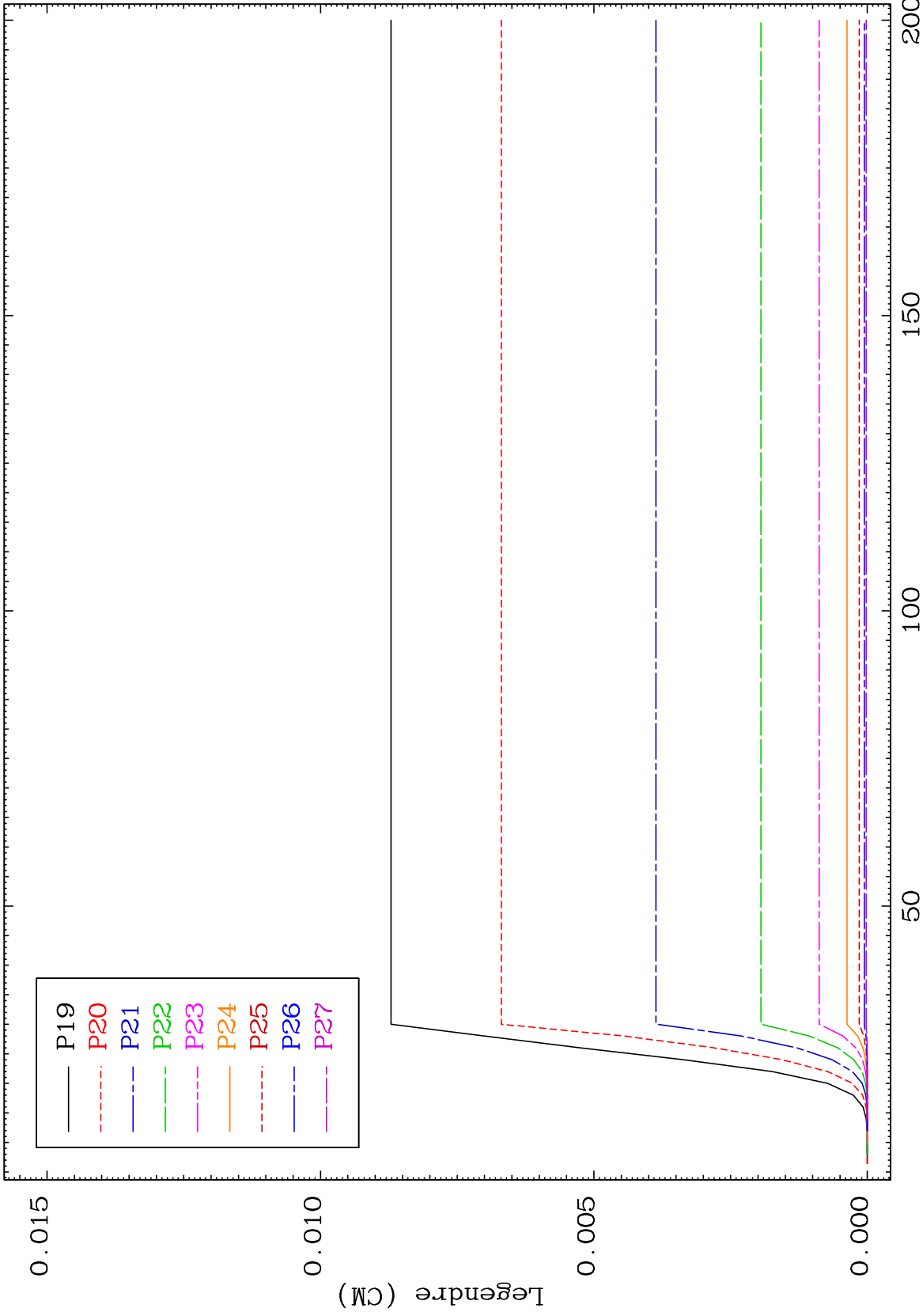
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



55

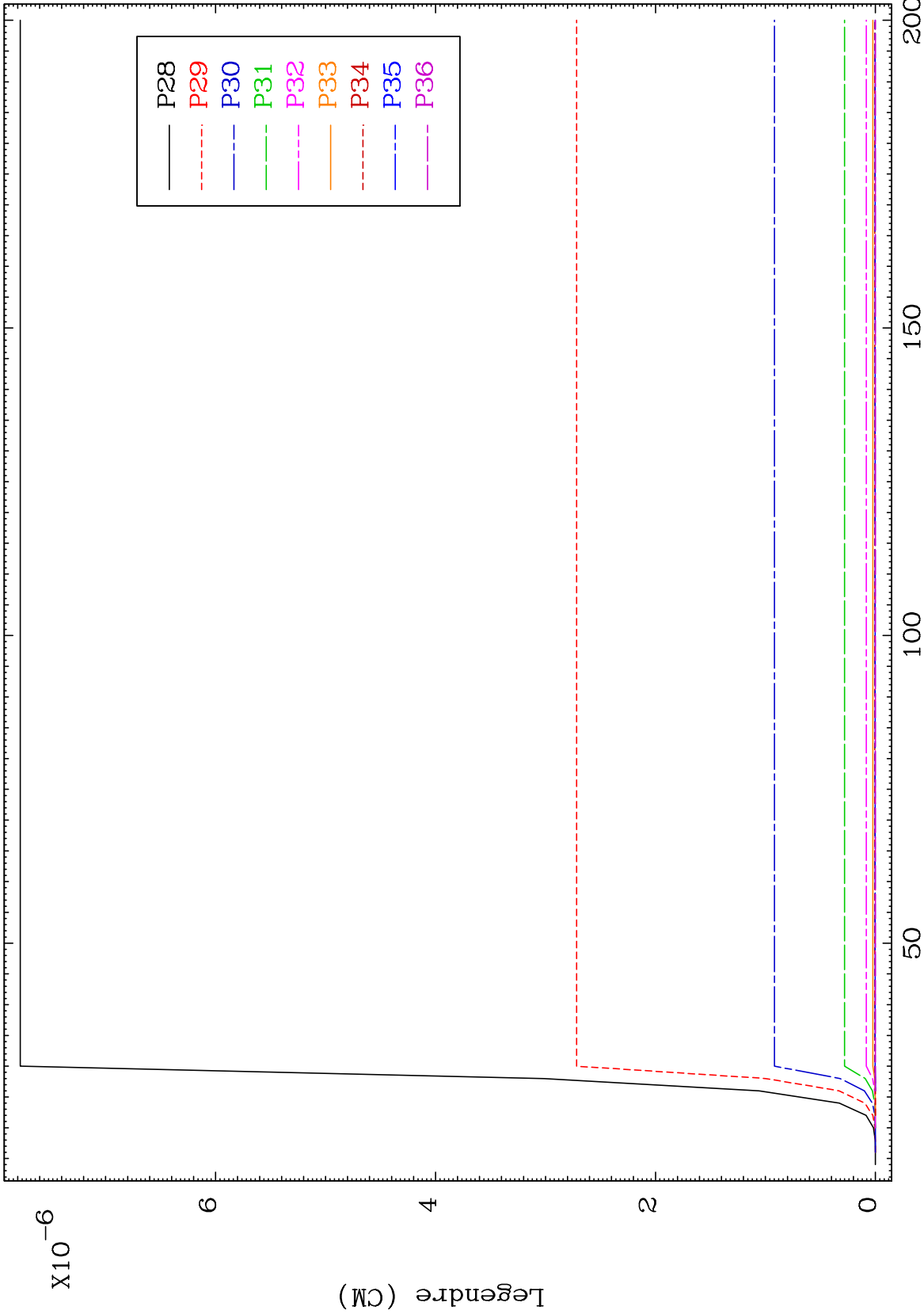
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



56

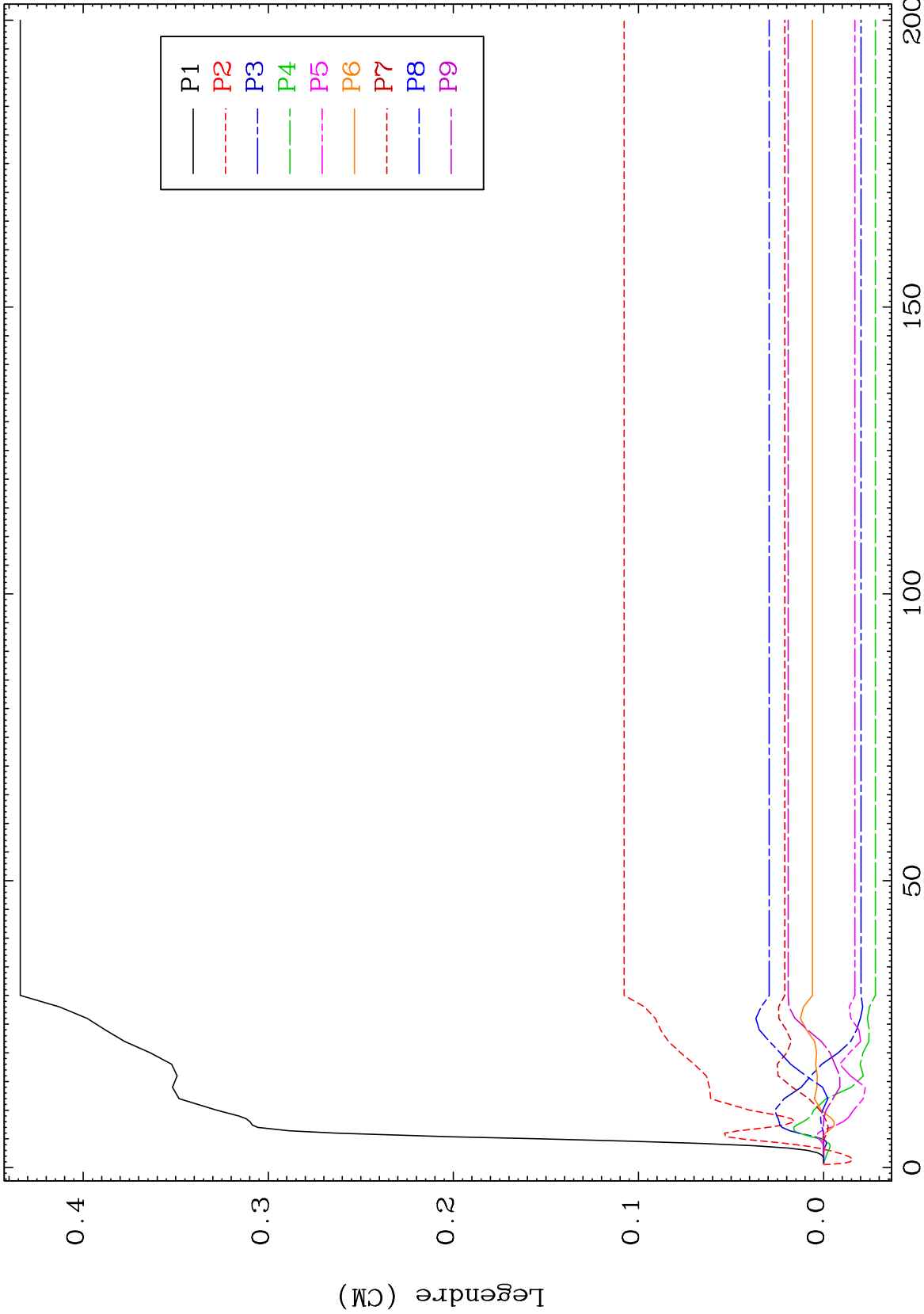
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



57

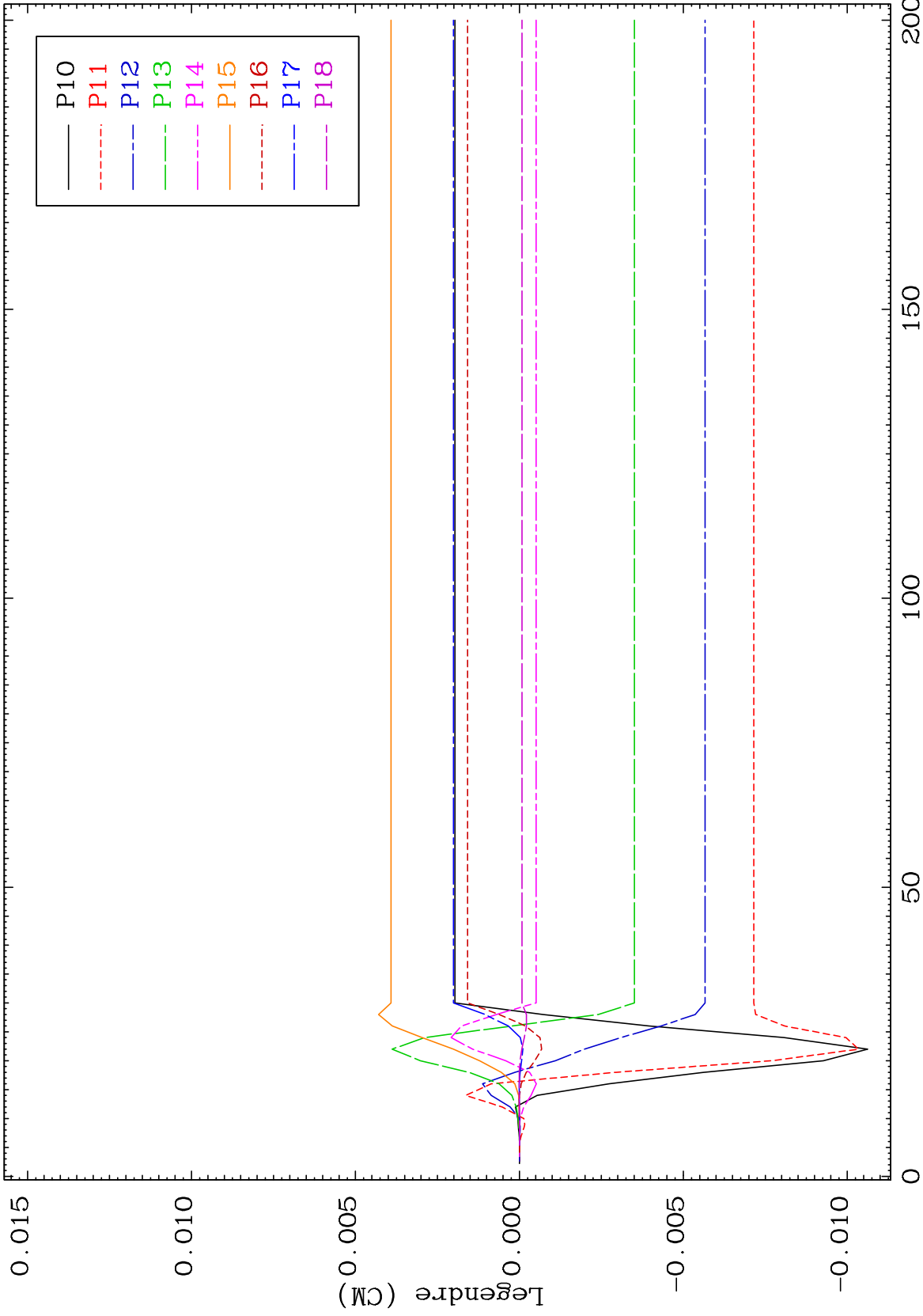
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



58

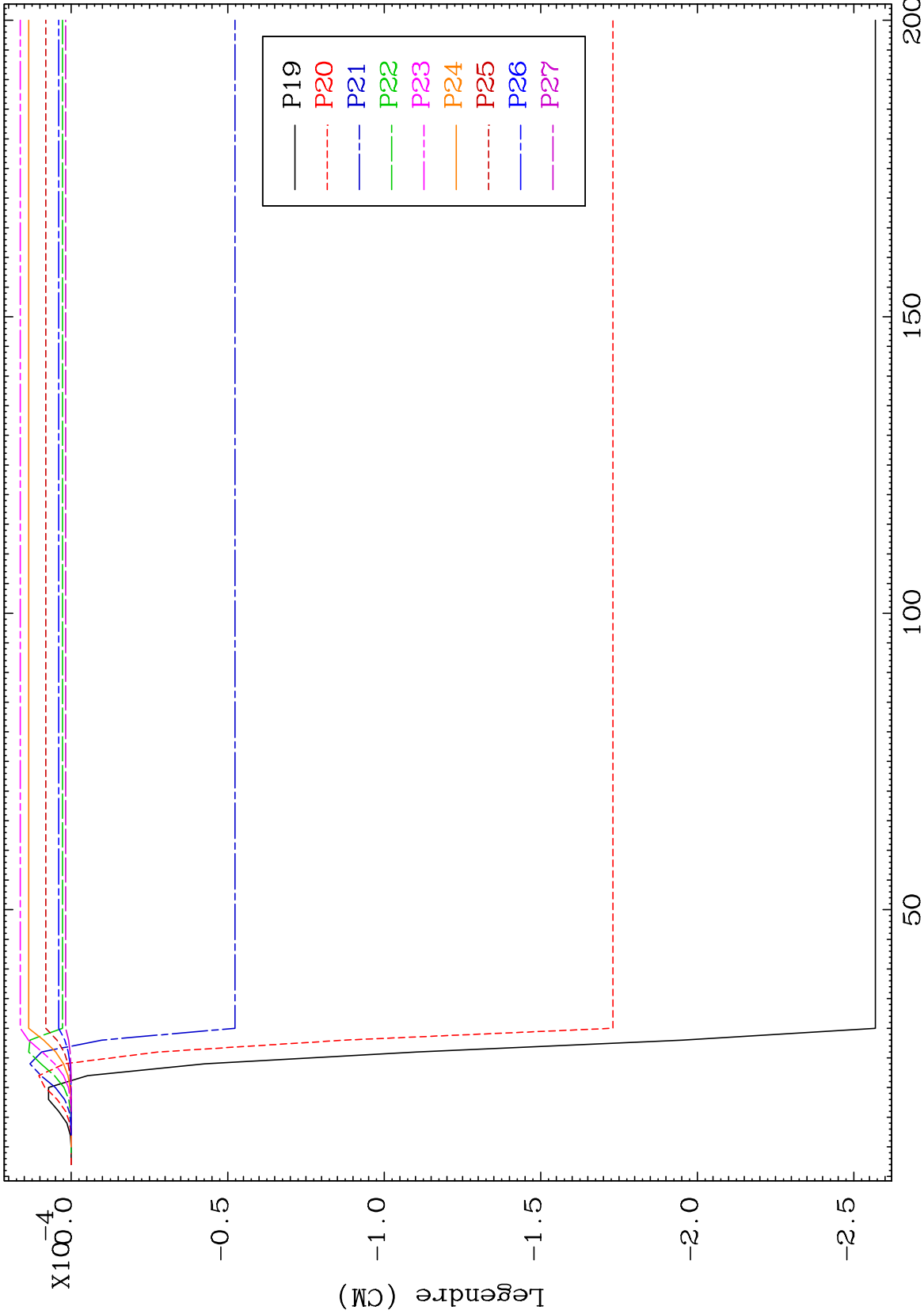
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



59

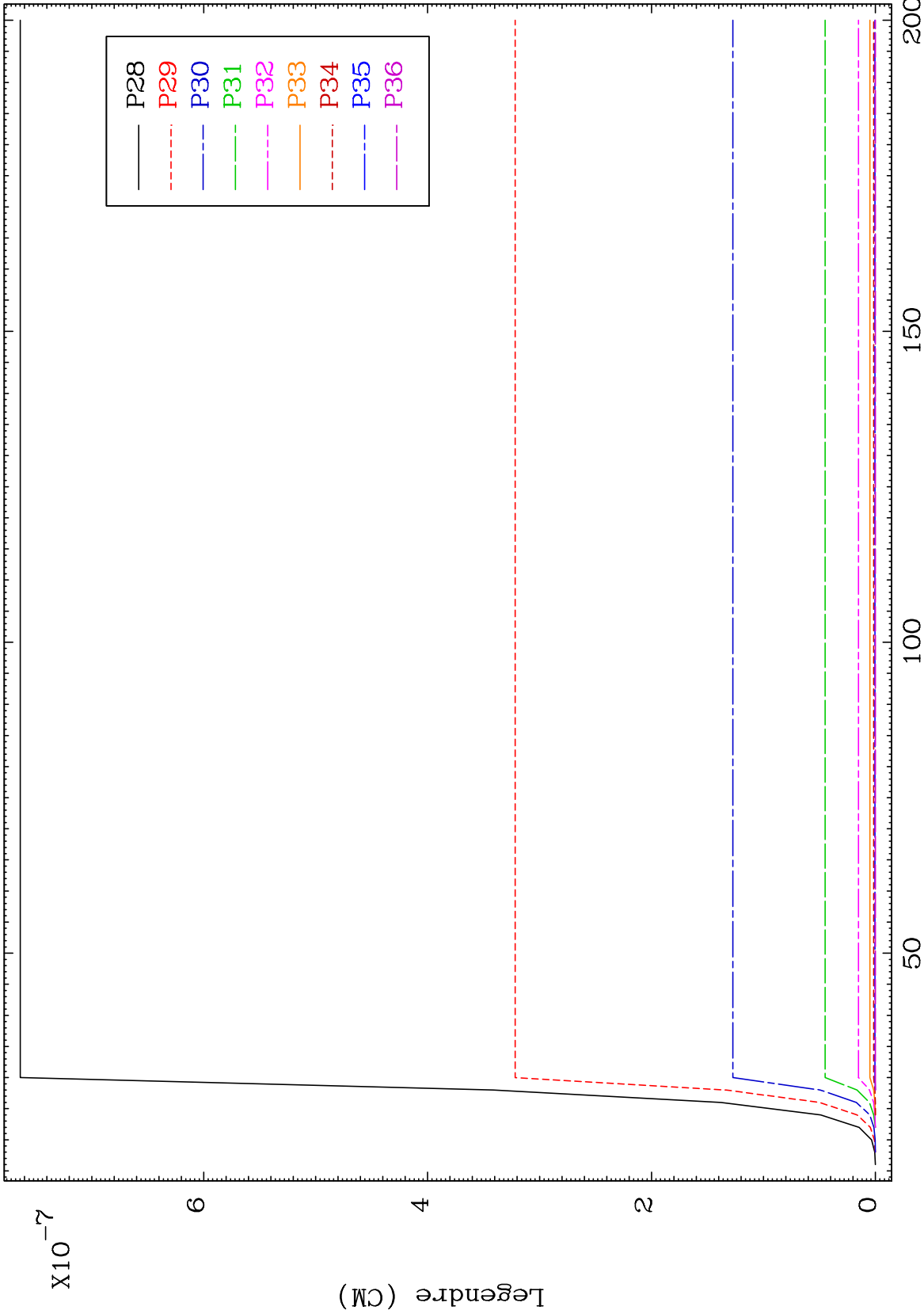
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139

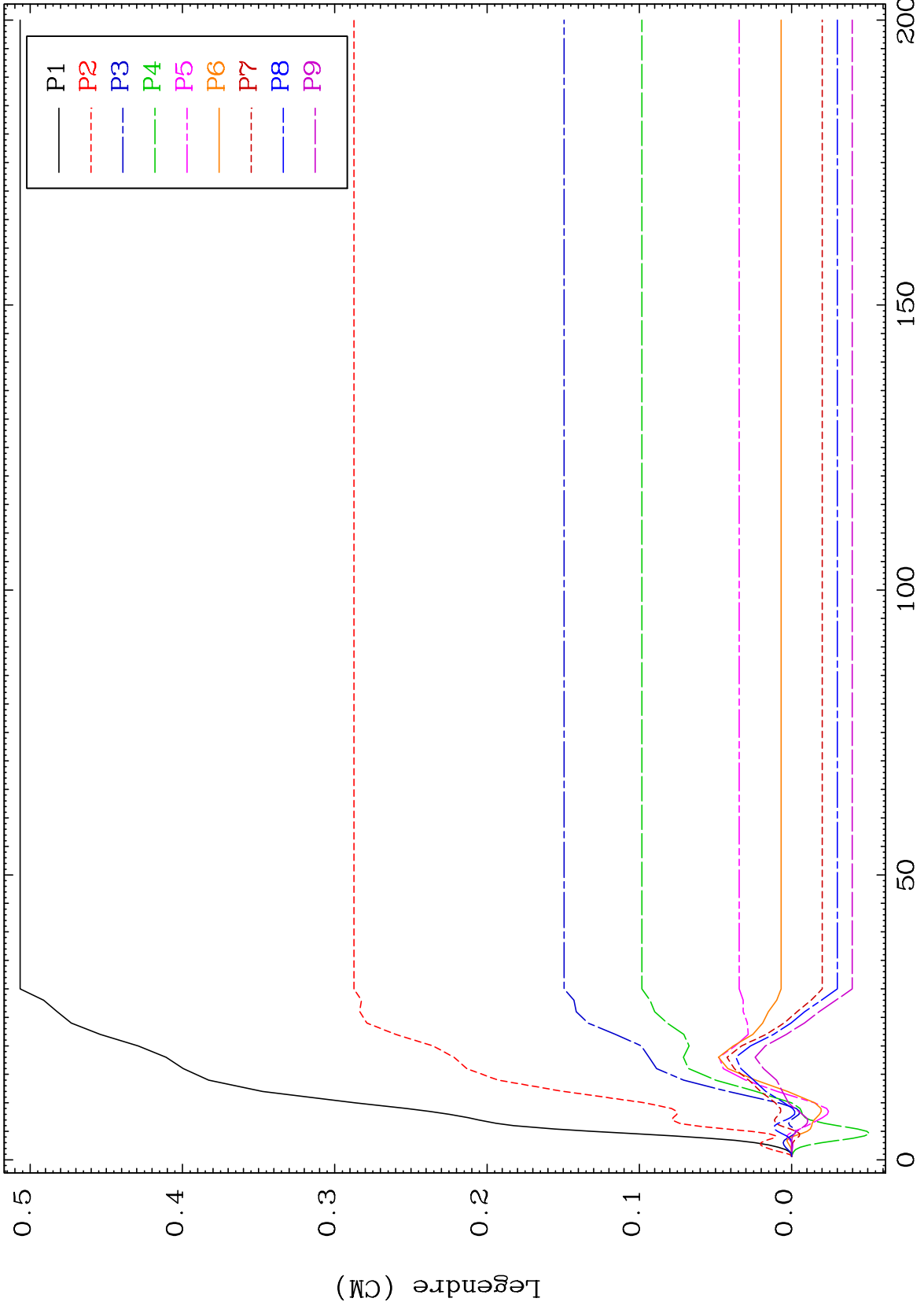


60

Incident Energy (MeV)

63-Eu-139

MAT 6289 MT= 61 (n,n') Level Legendre Coefficients 63-Eu-139

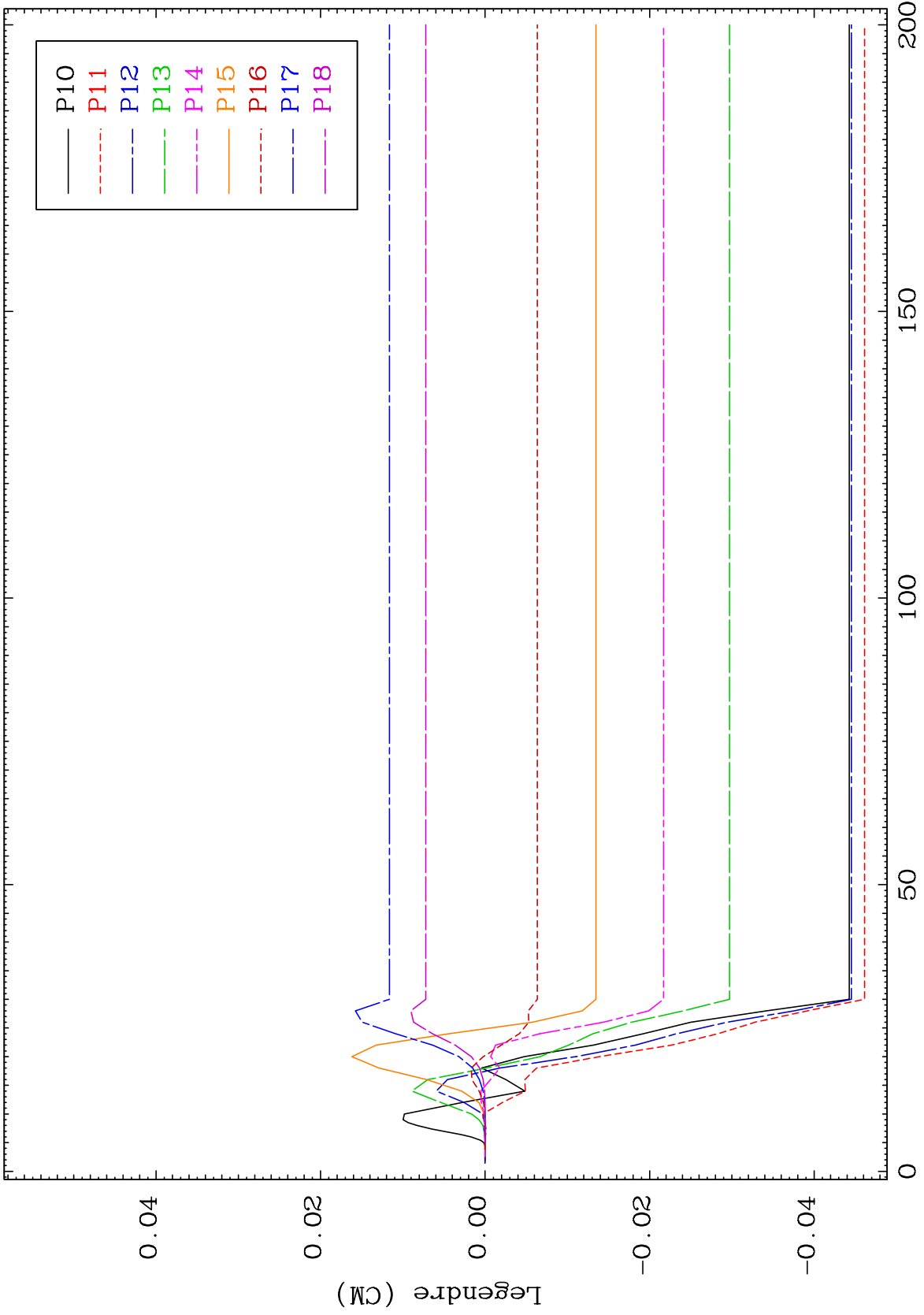


63-Eu-139

MAT 6289

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

63-Eu-139



62

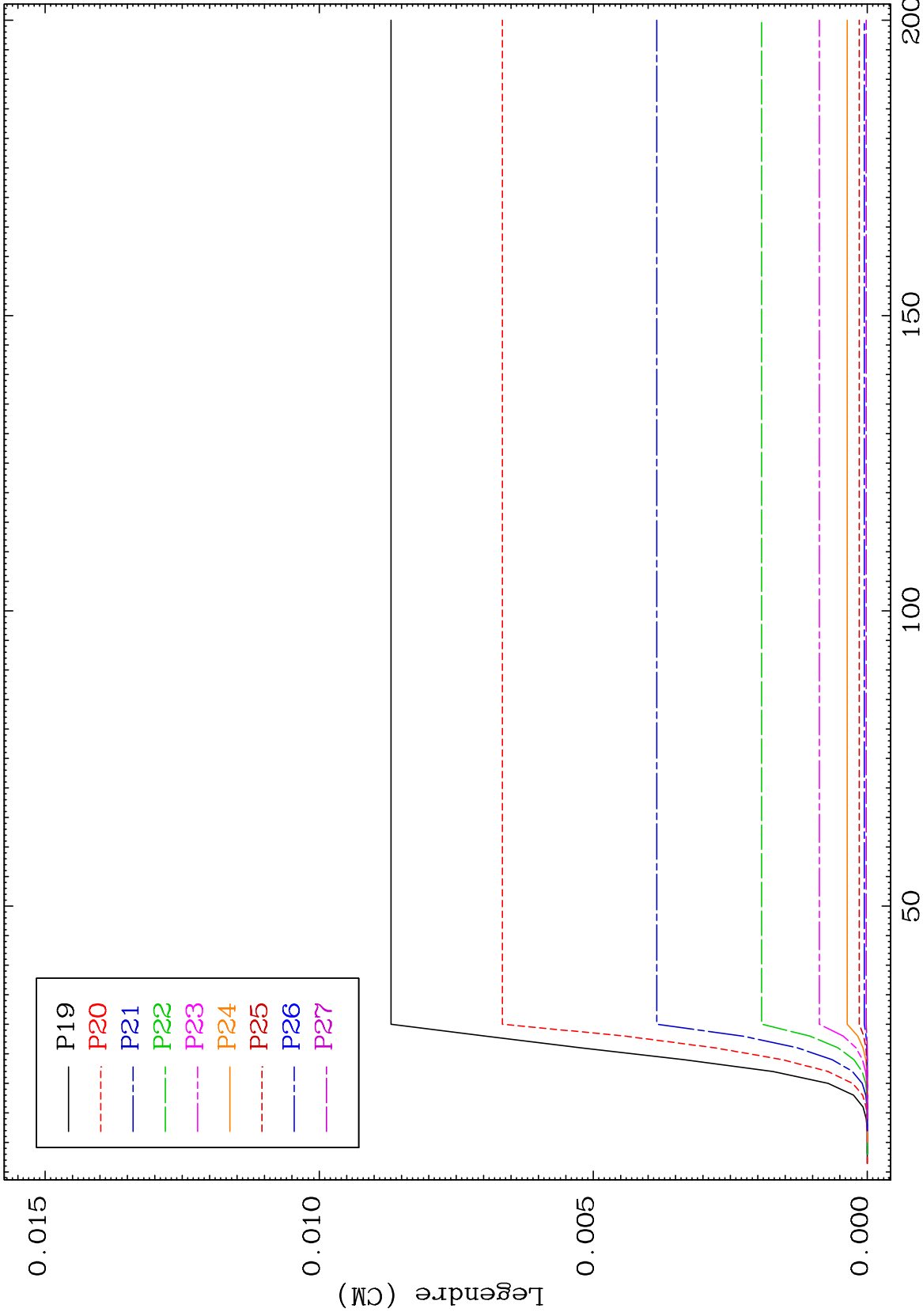
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

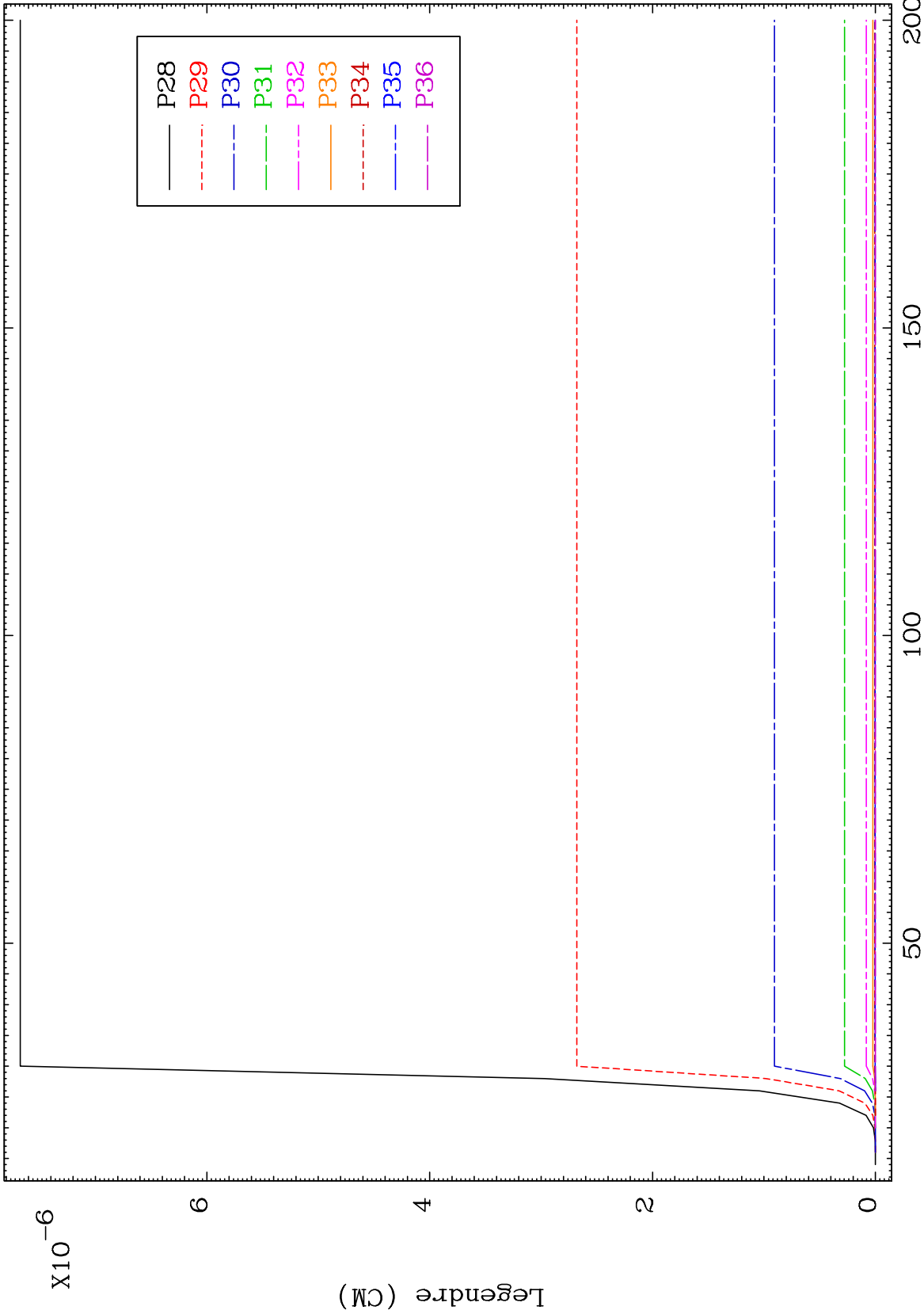
63-Eu-139



MAT 6289

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

63-Eu-139



64

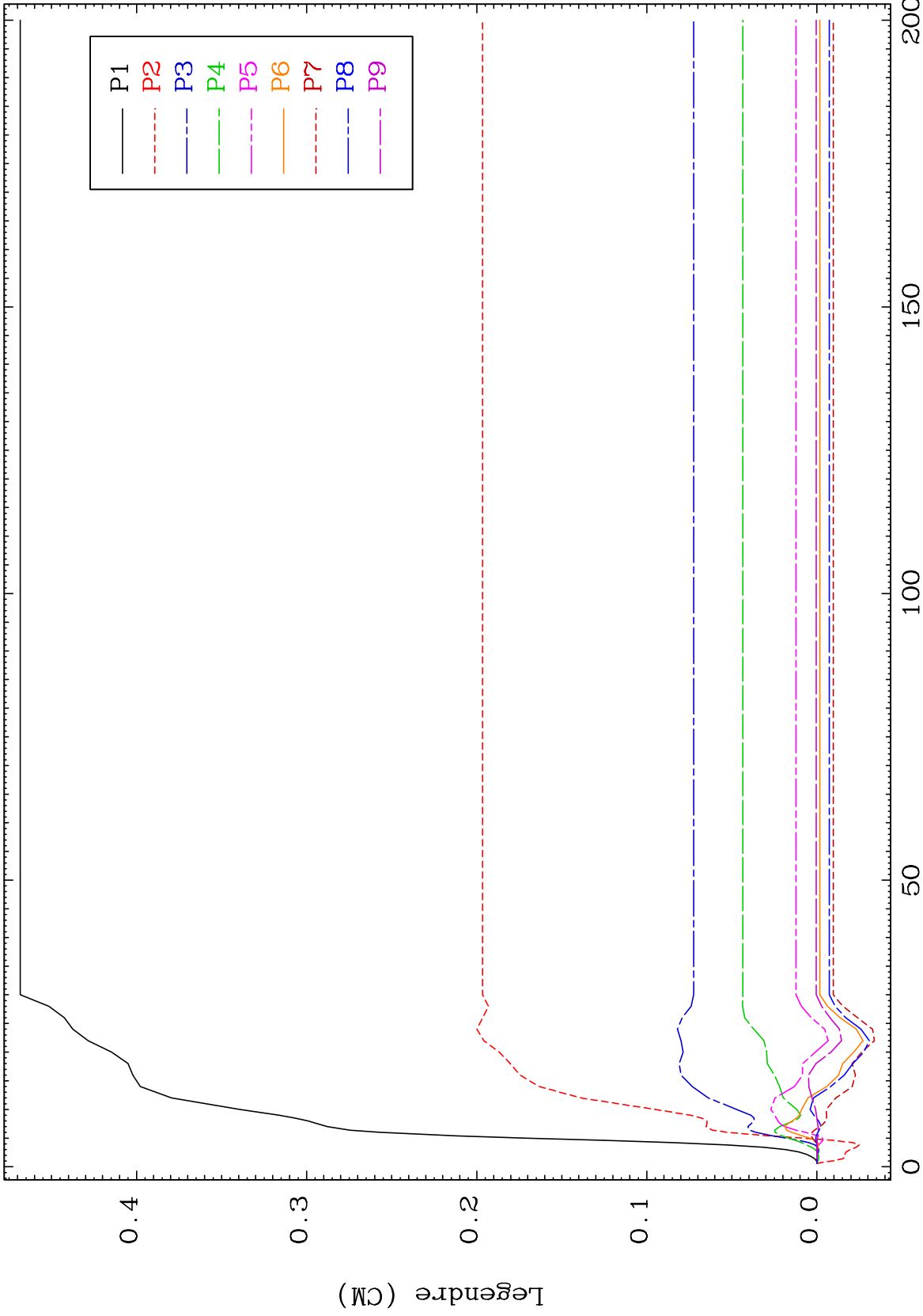
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



65

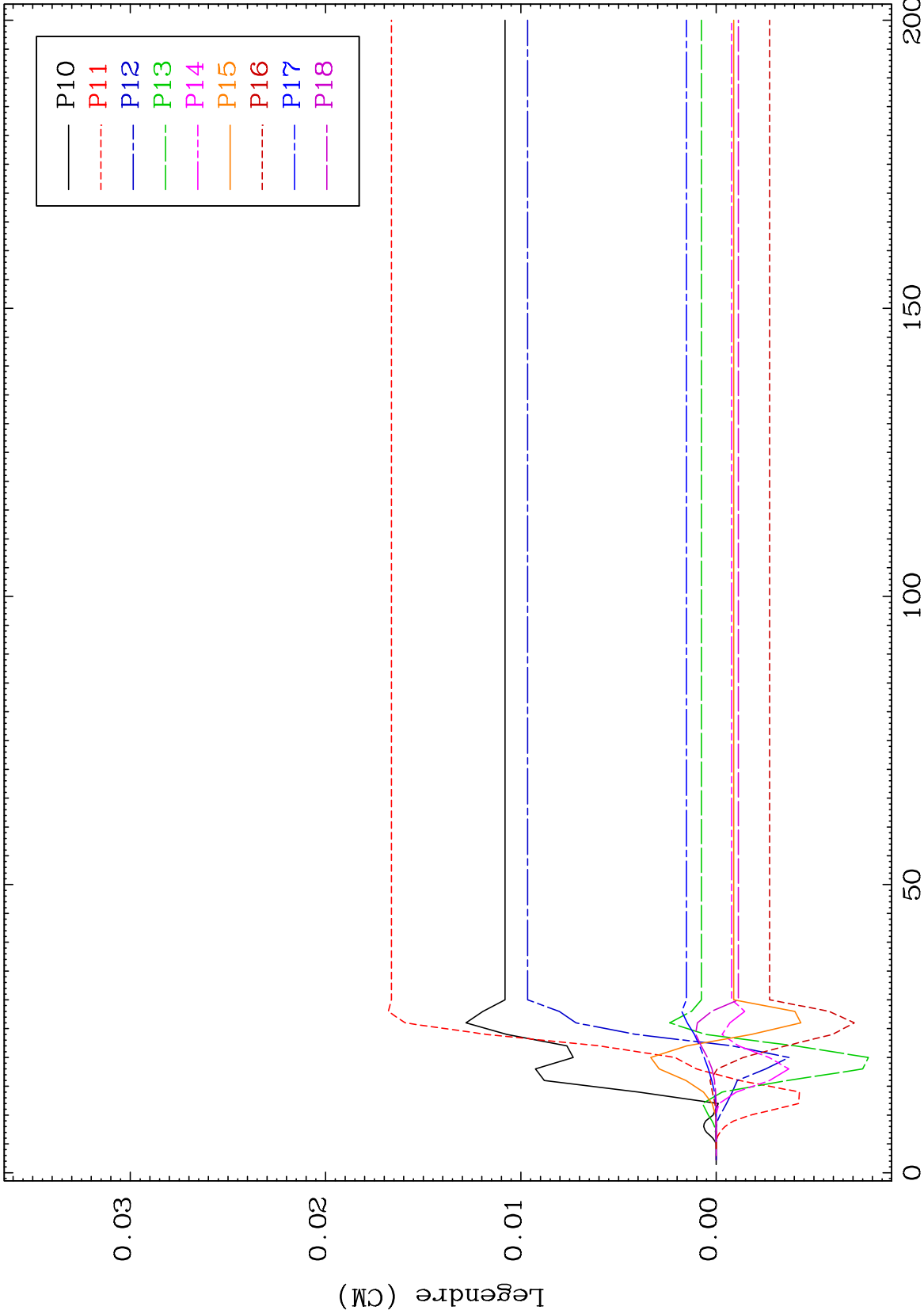
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



66

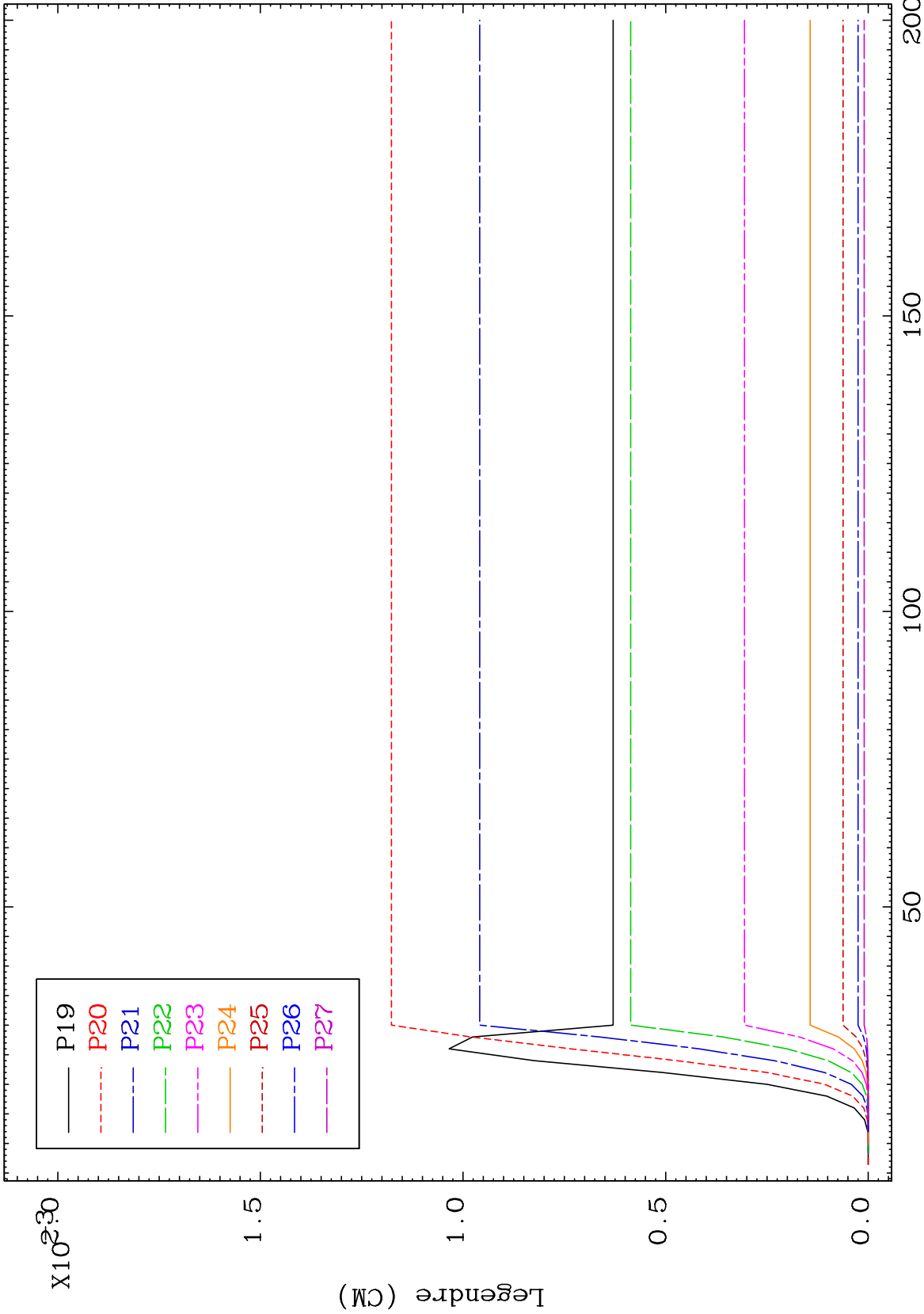
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



67

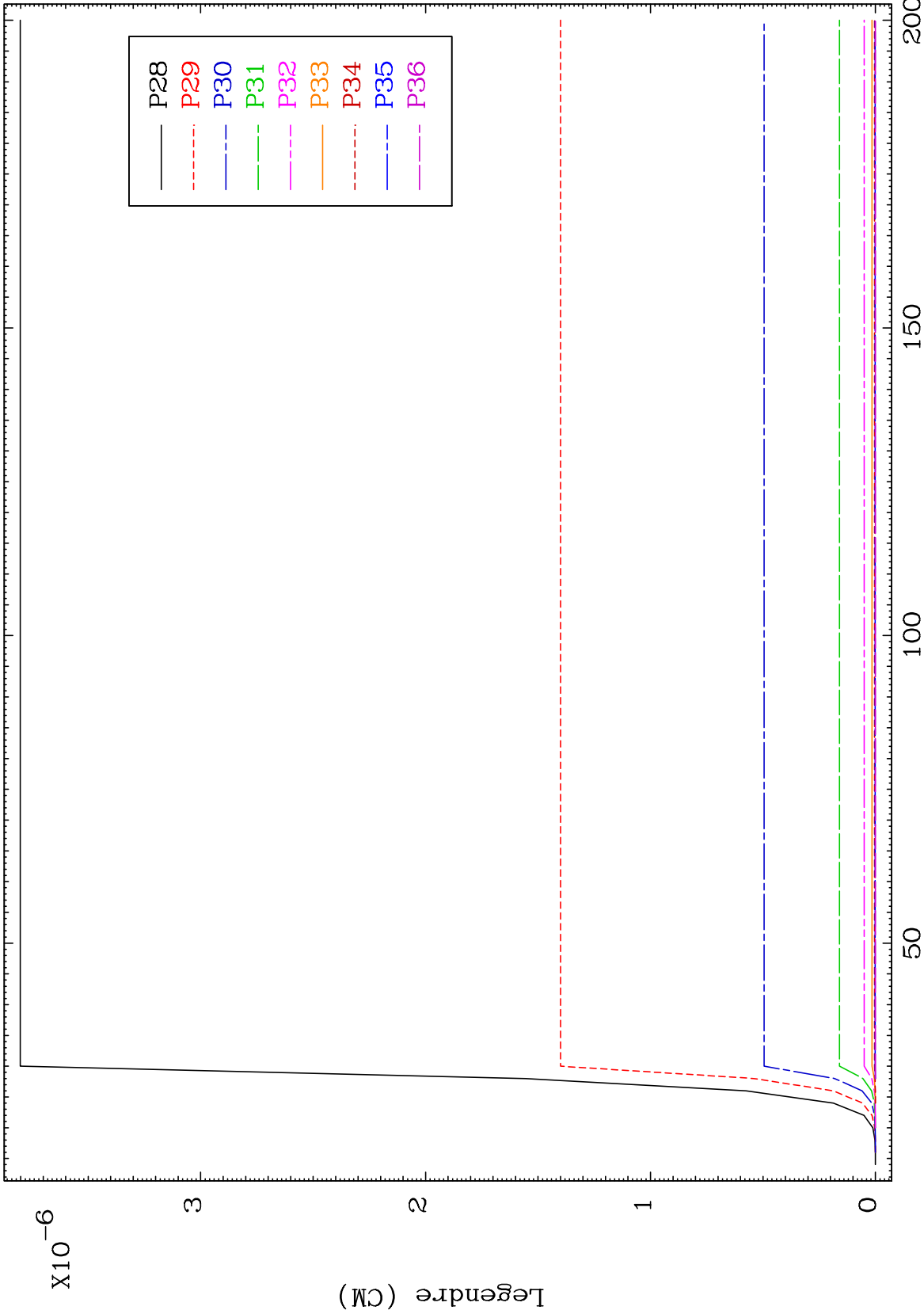
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



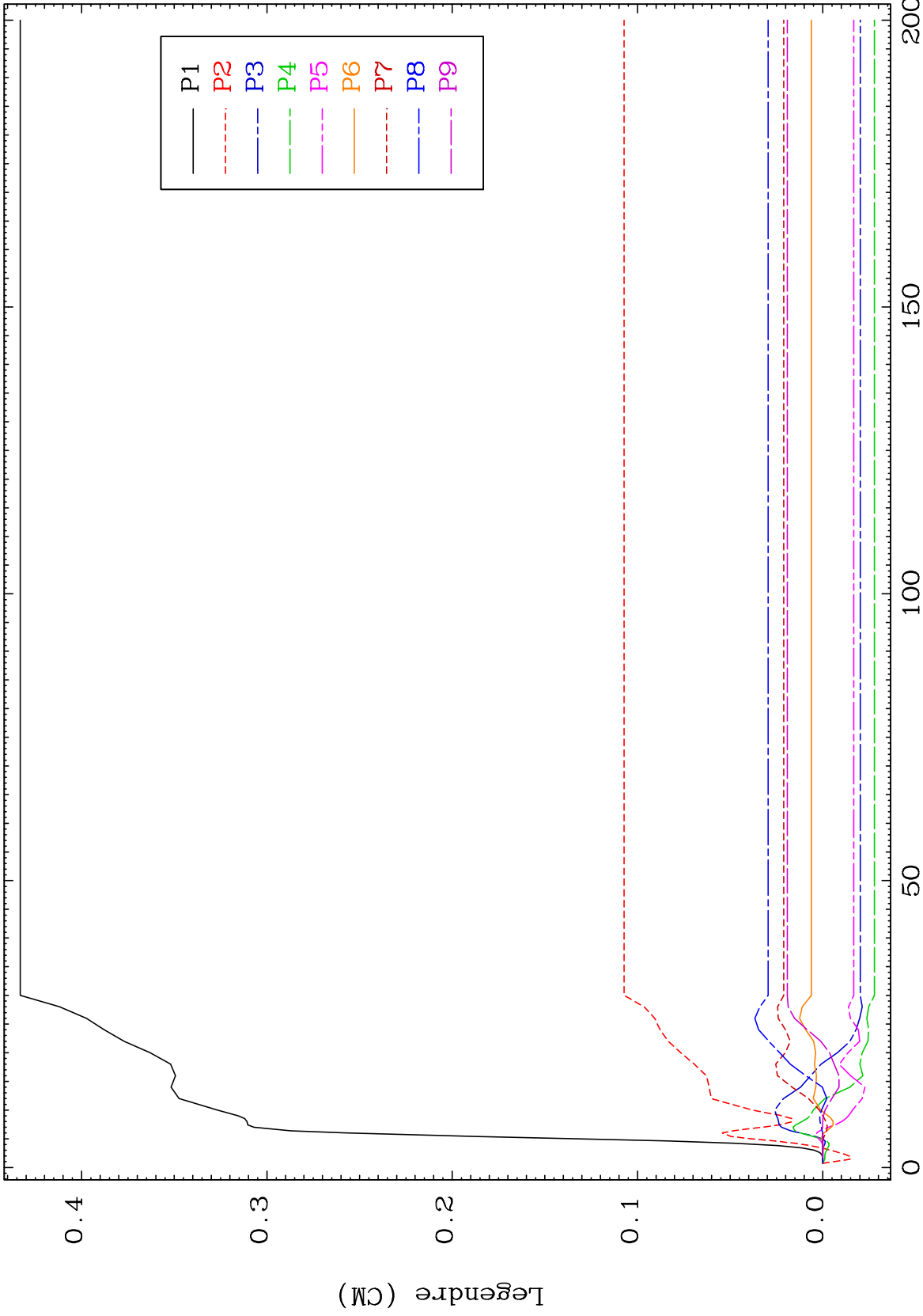
68

63-Eu-139

MAT 6289

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

63-Eu-139



69

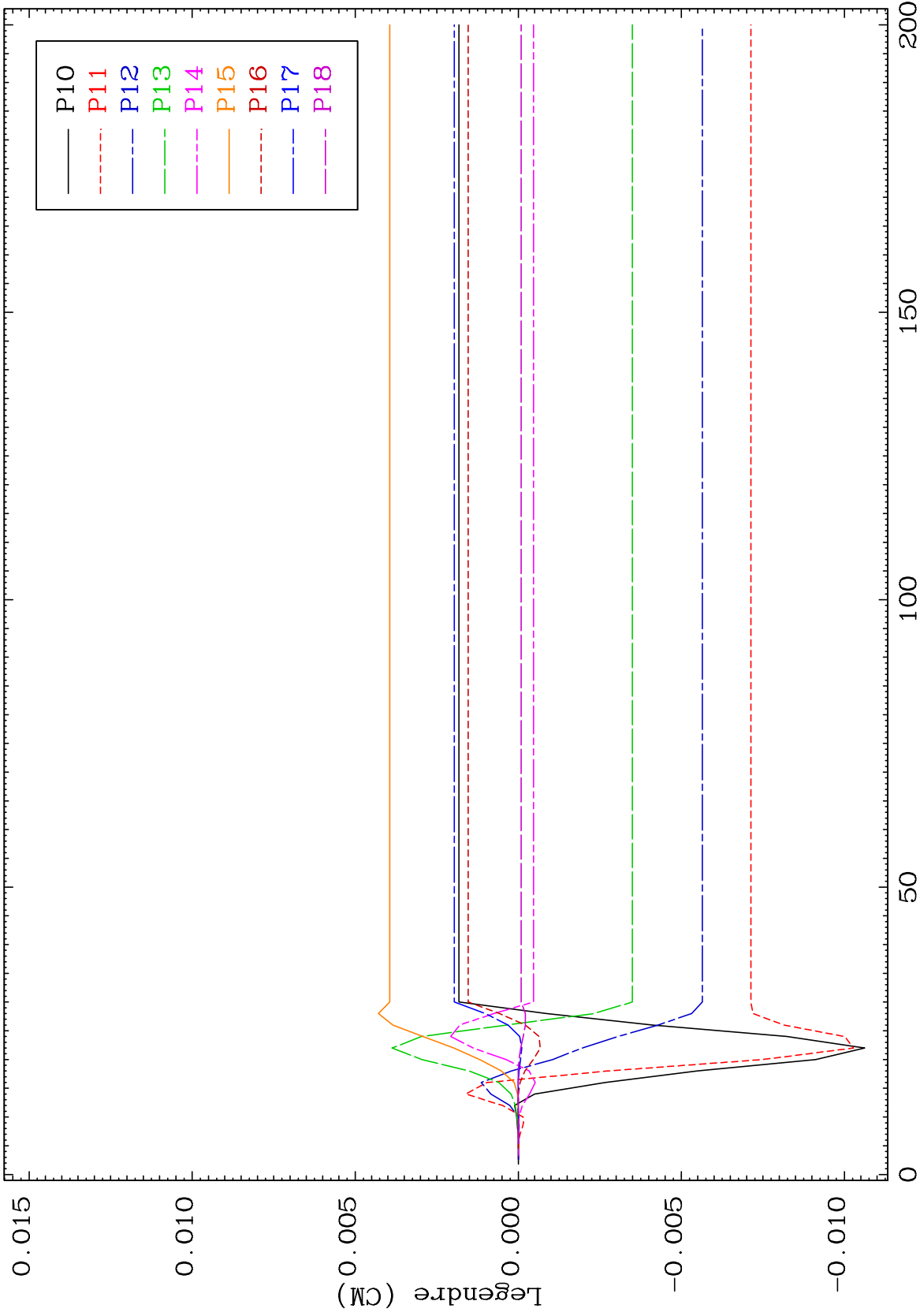
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



70

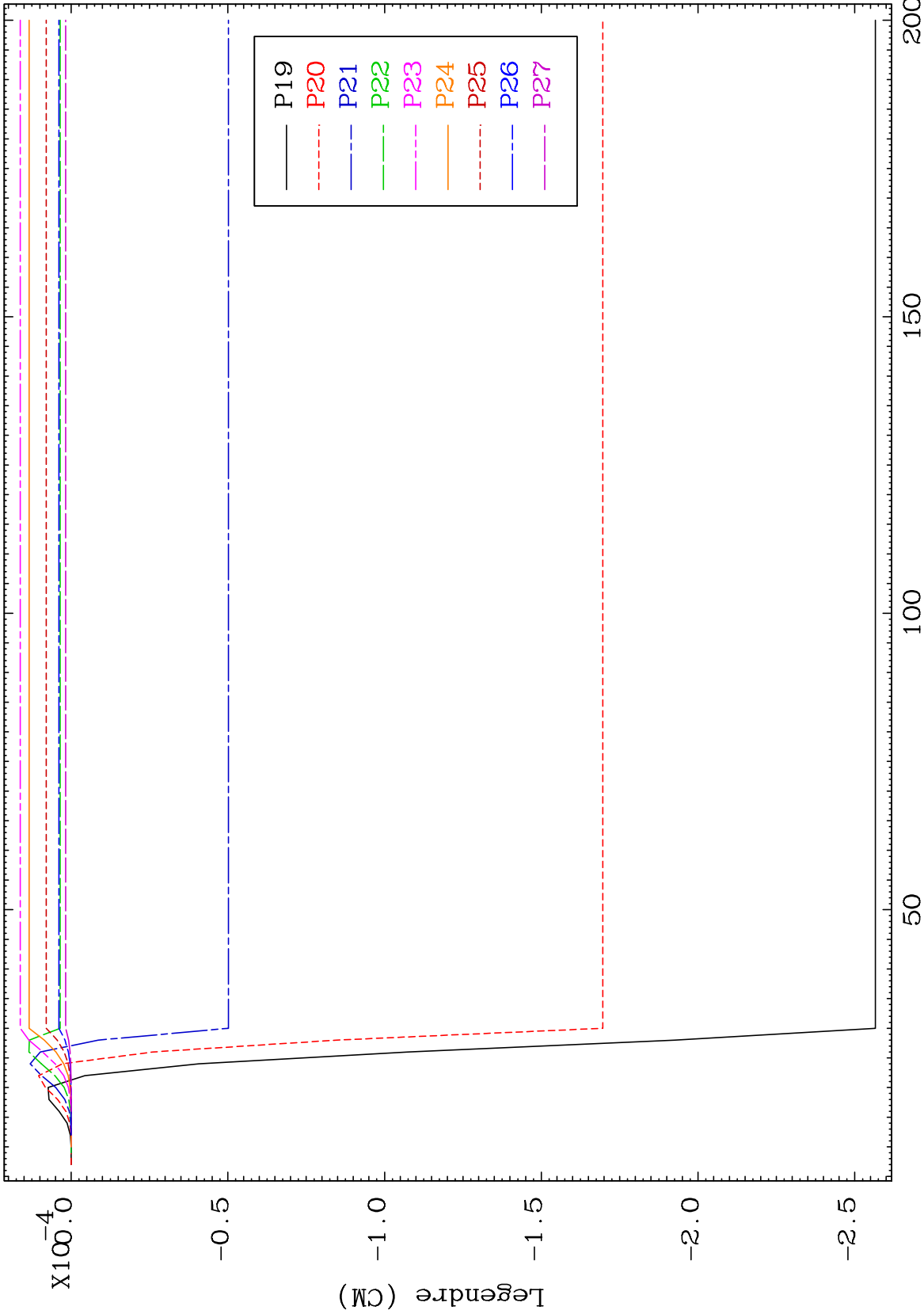
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



71

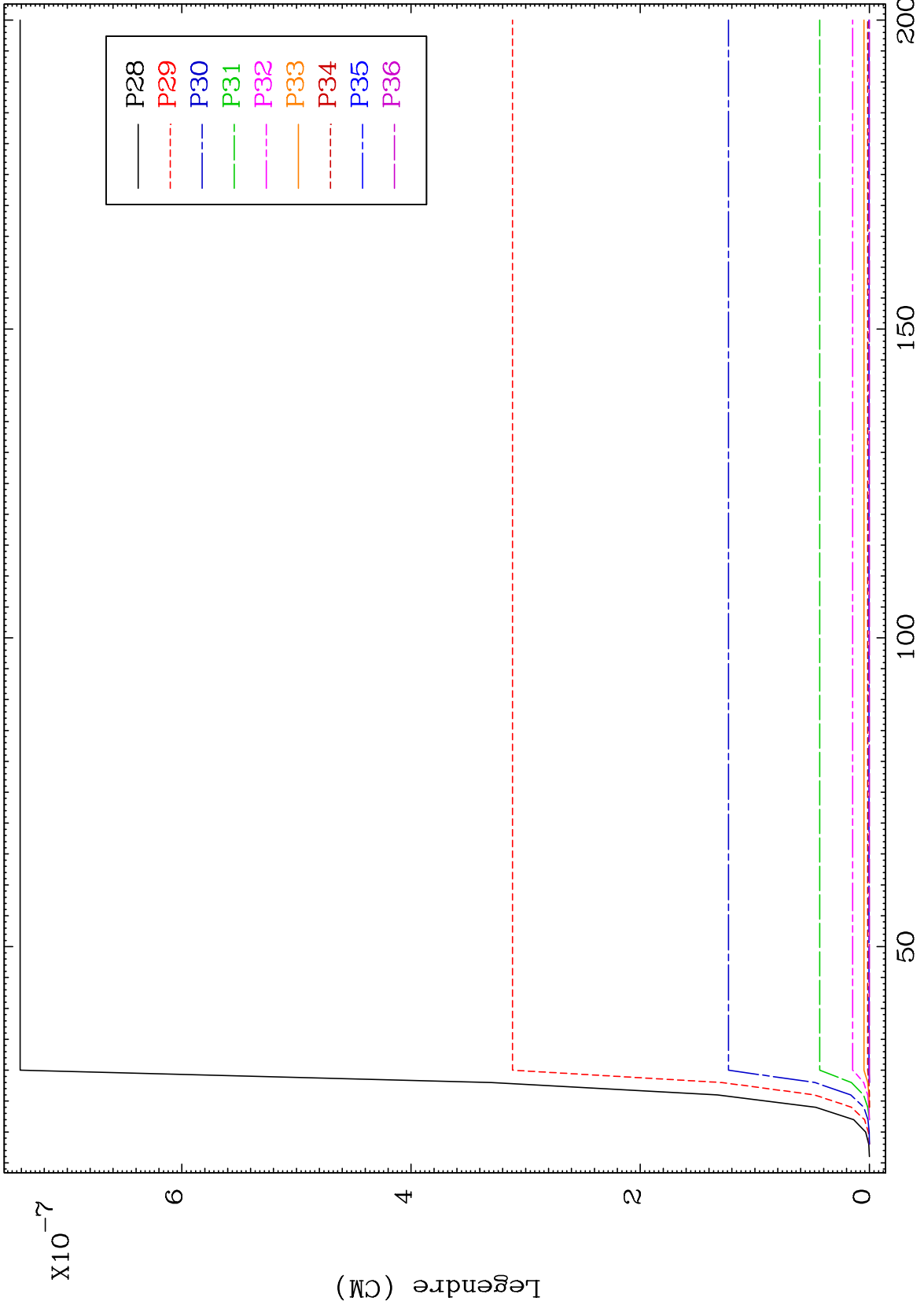
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



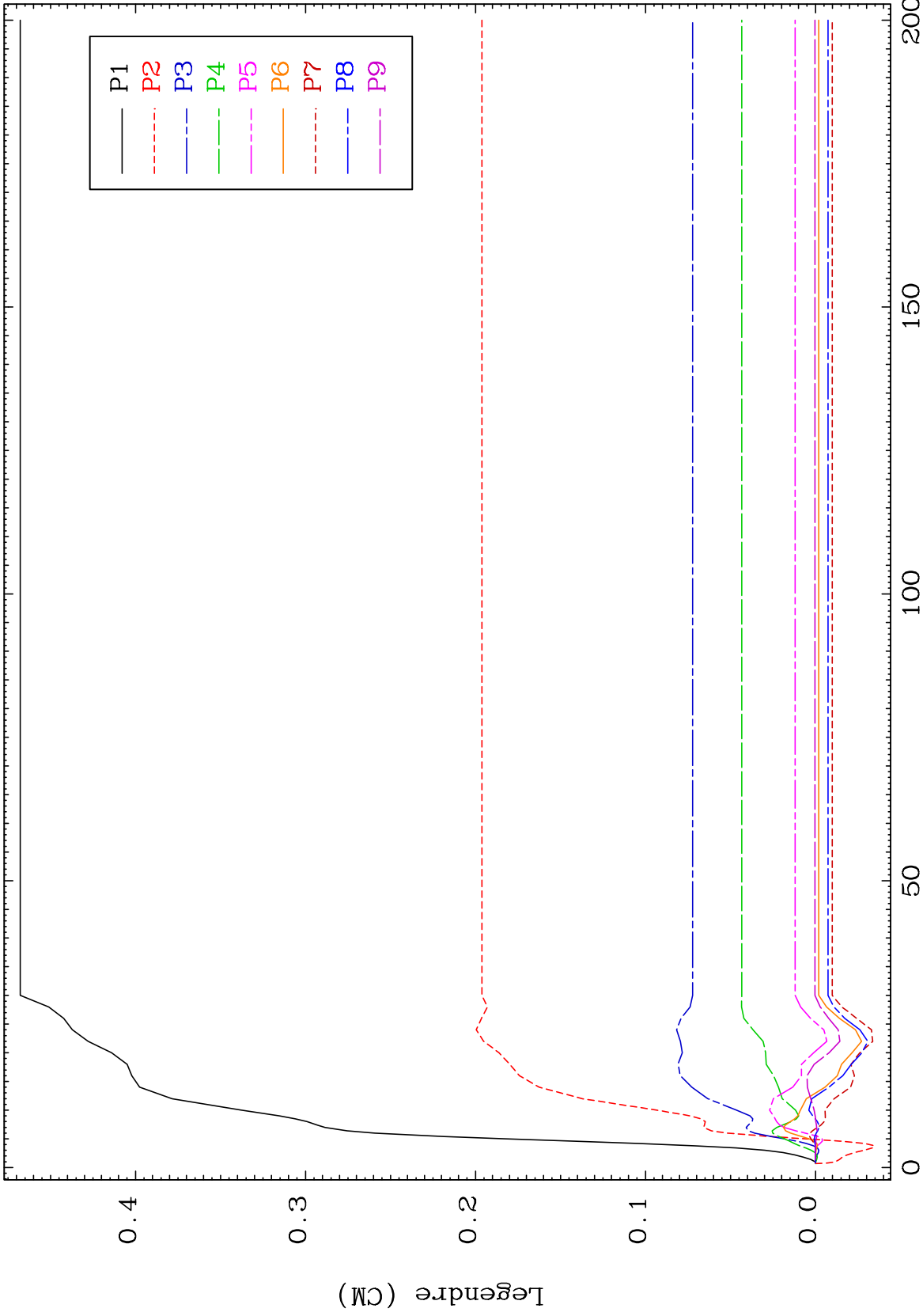
72

63-Eu-139

MAT 6289

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

63-Eu-139



73

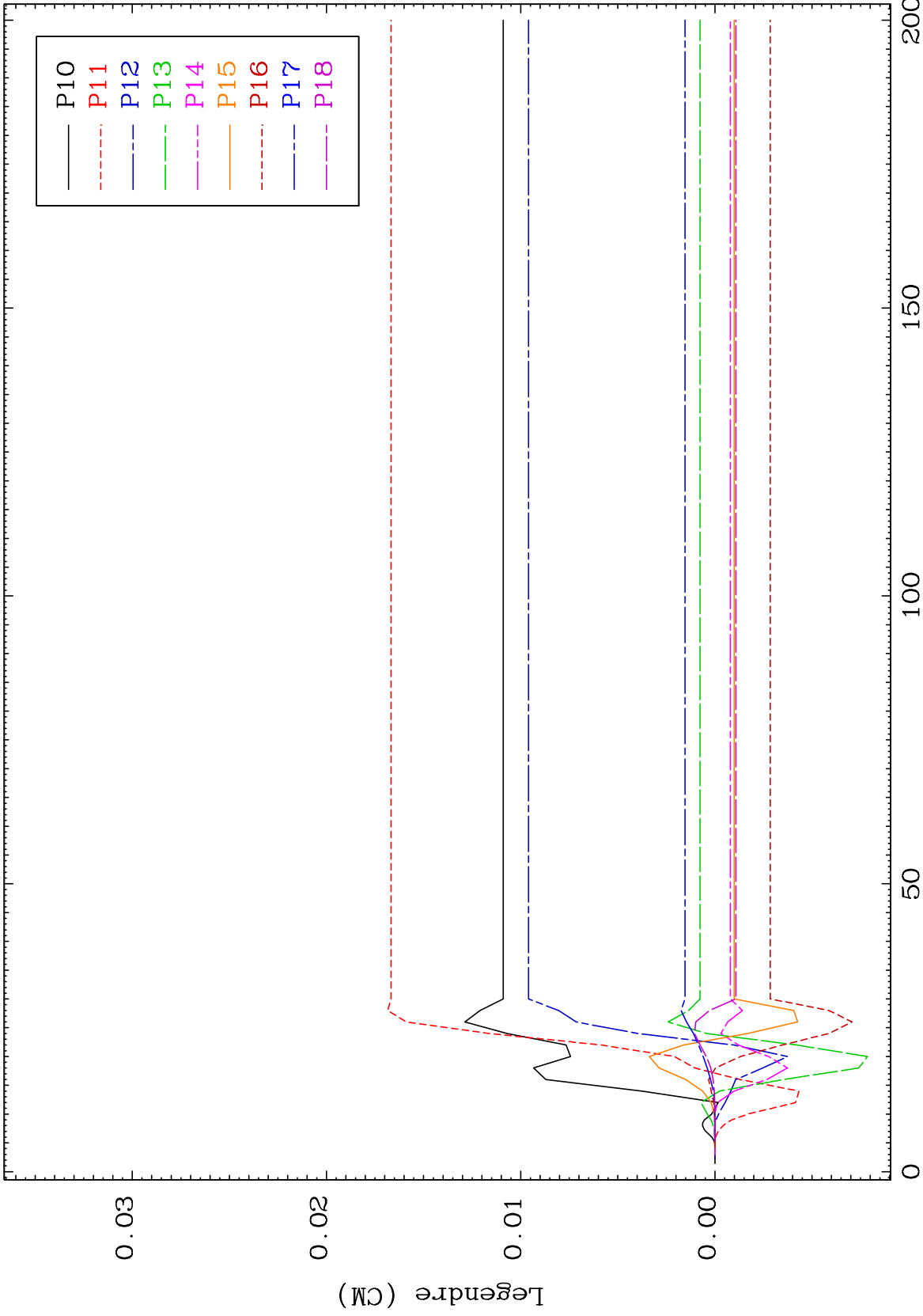
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



74

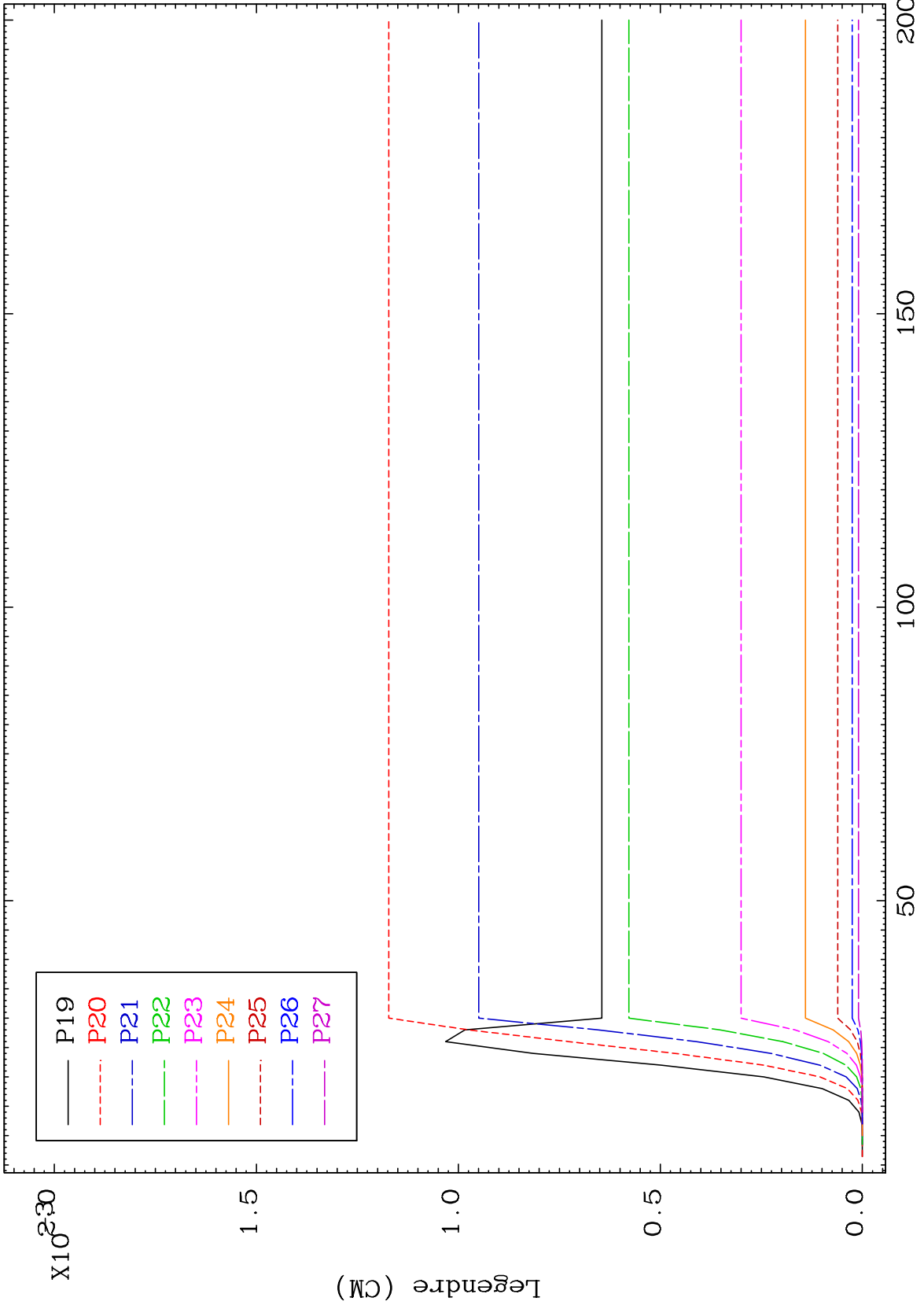
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



75

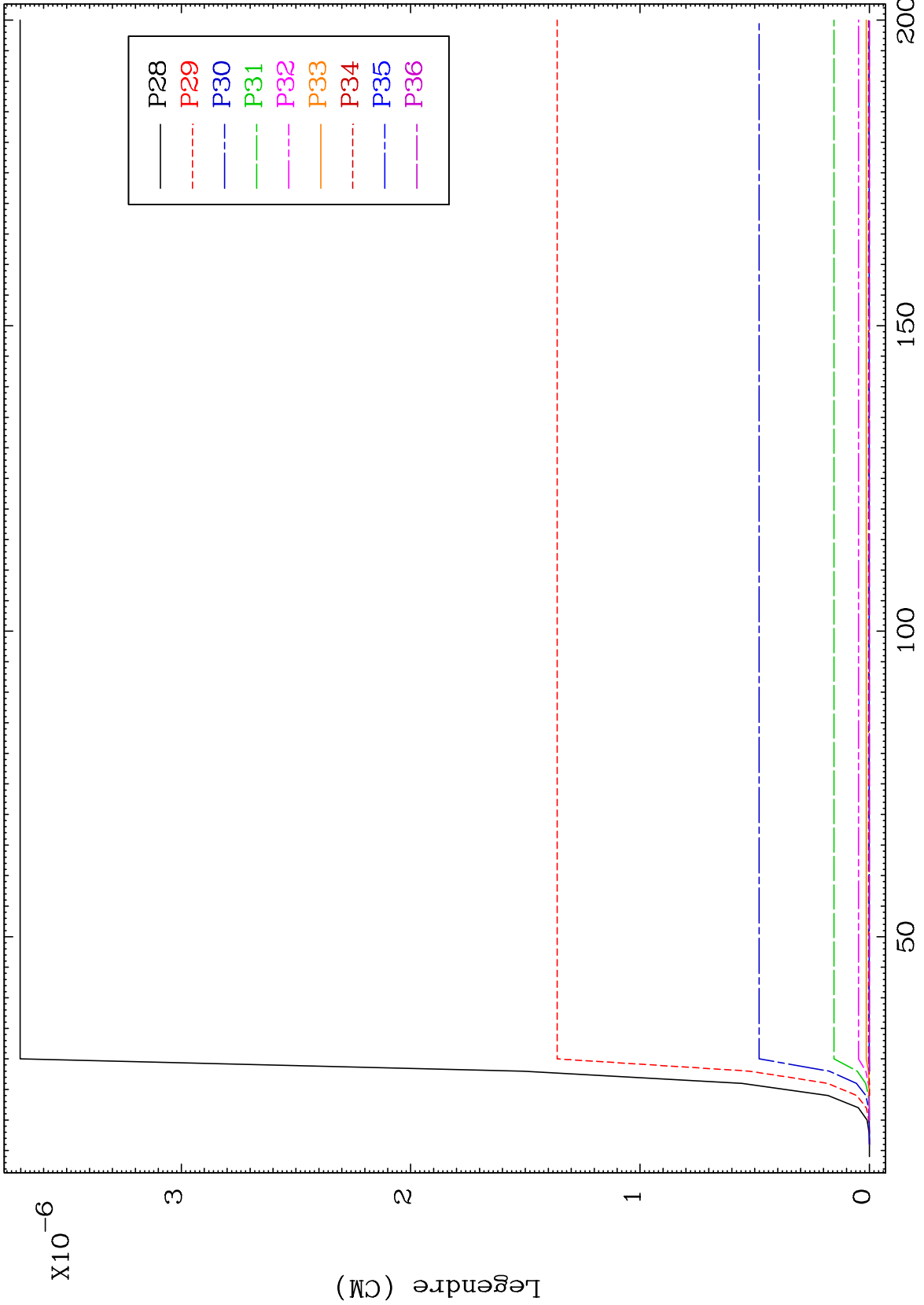
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



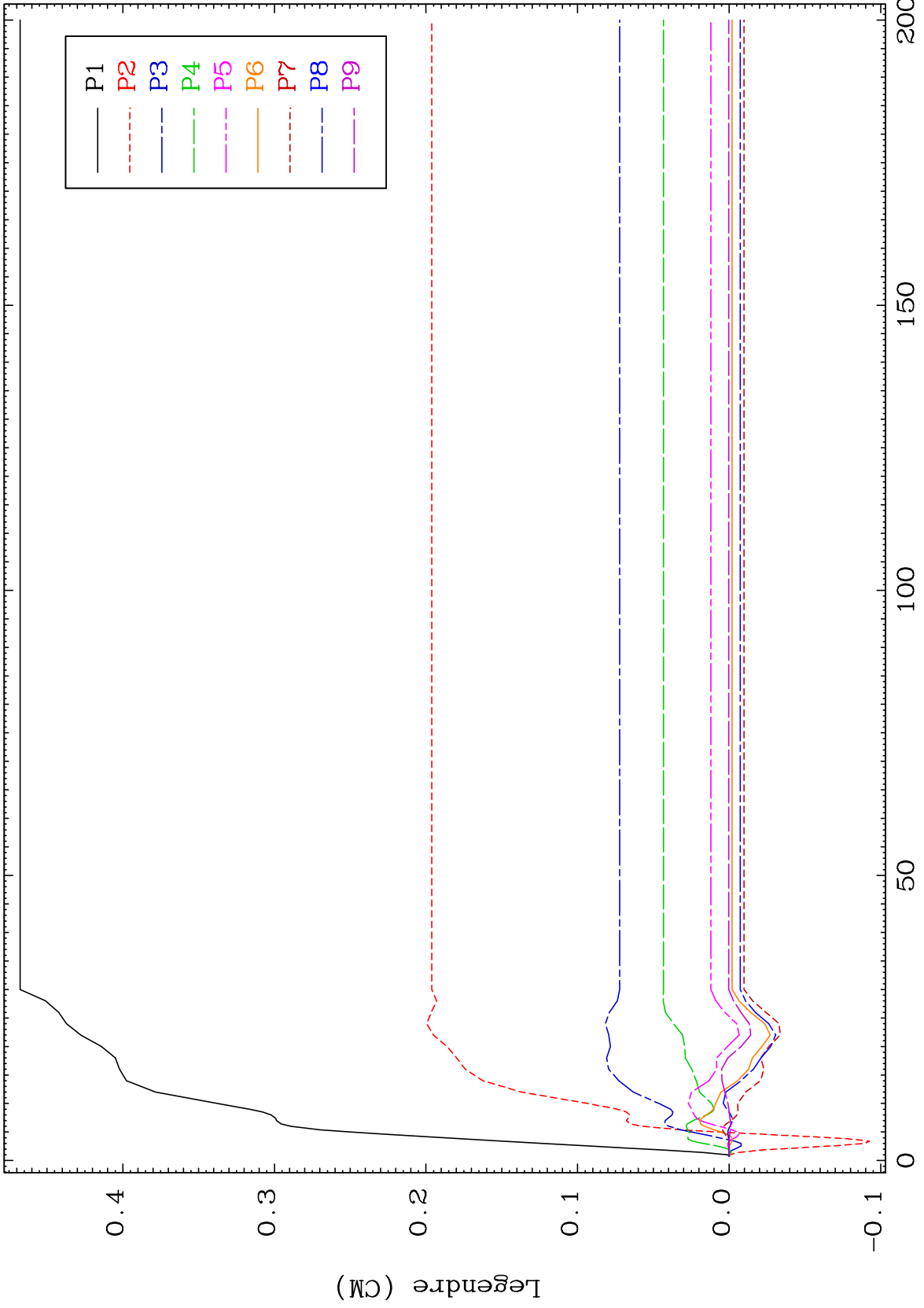
76

63-Eu-139

MAT 6289

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

63-Eu-139



77

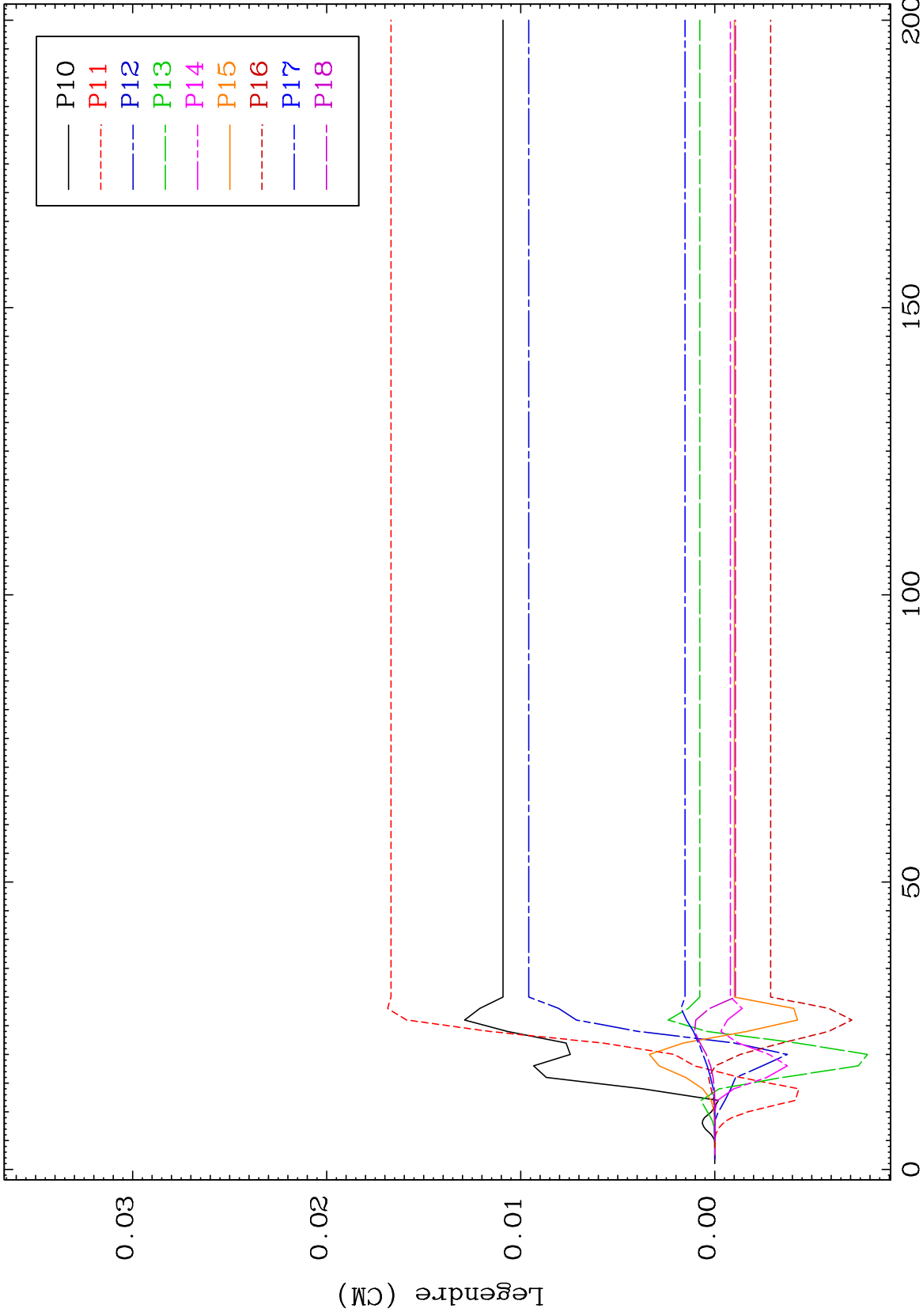
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



78

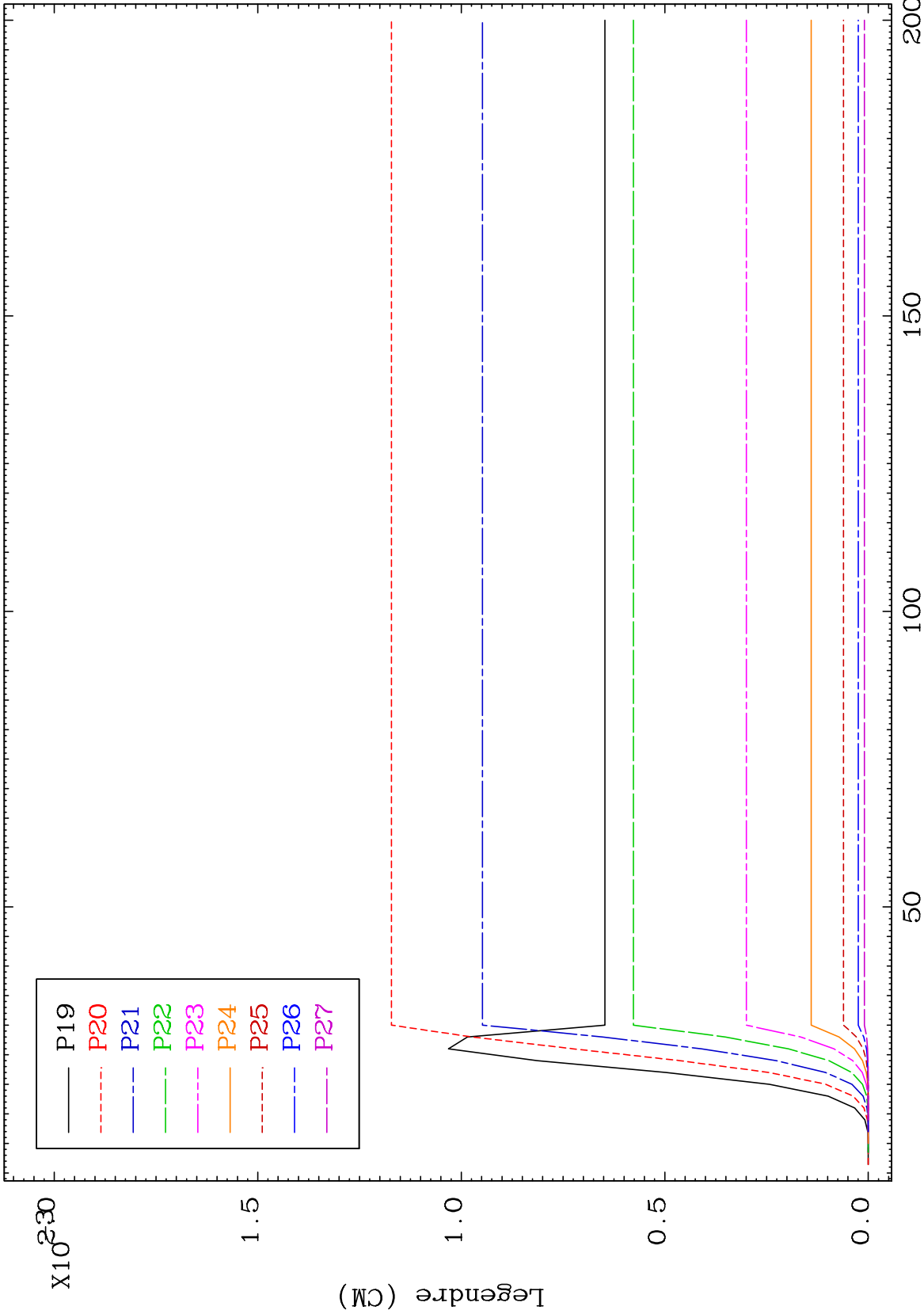
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



79

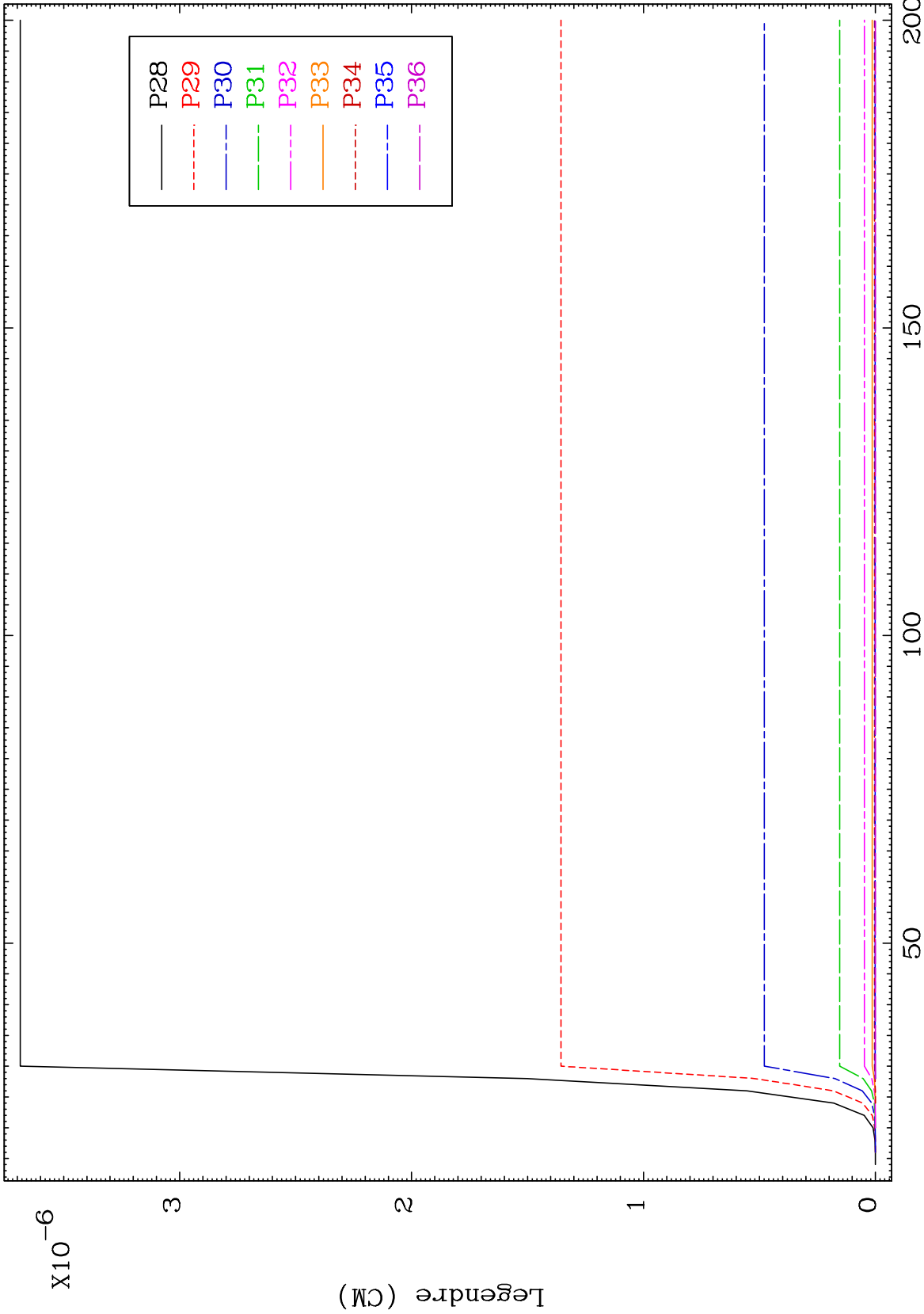
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



80

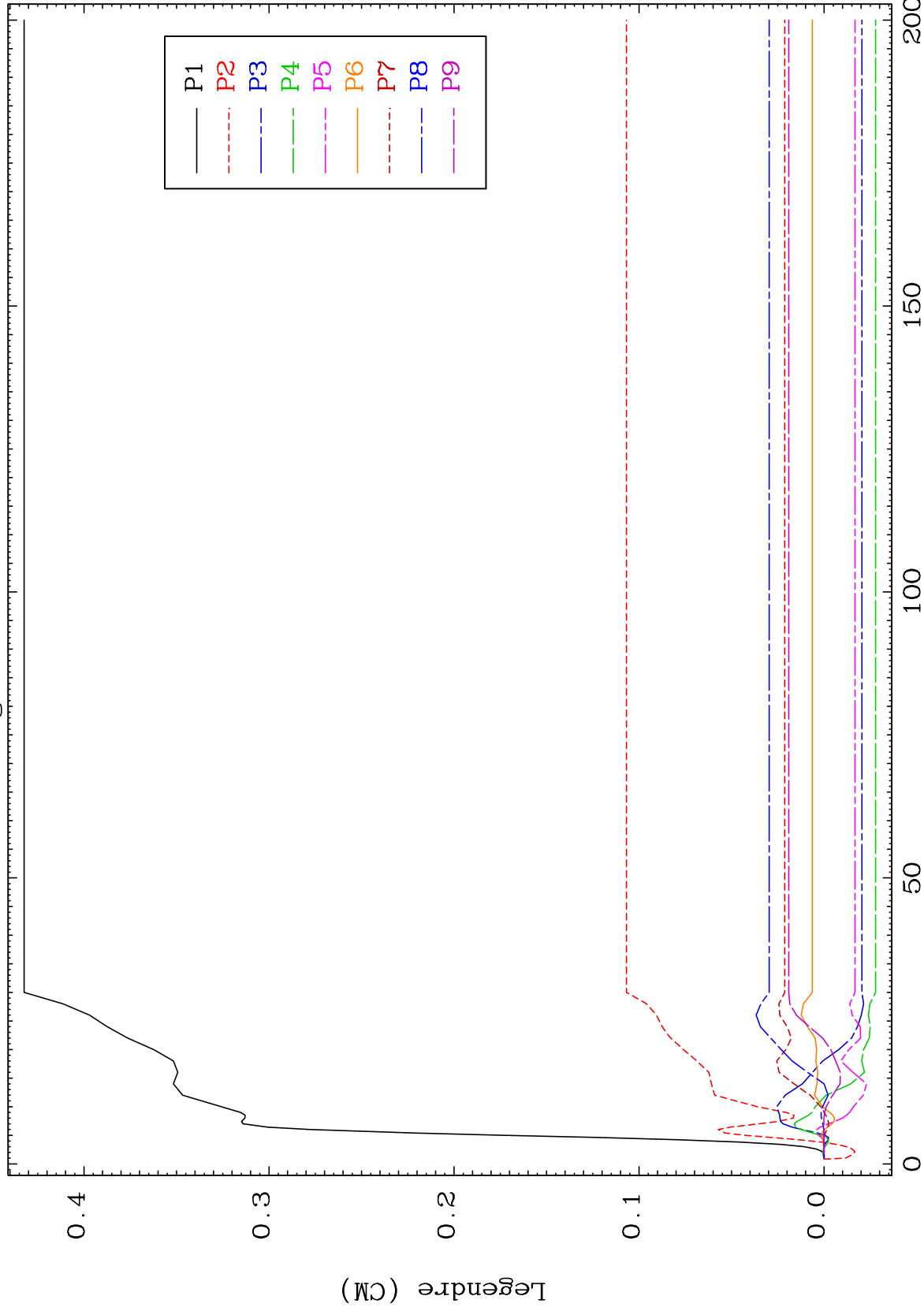
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



81

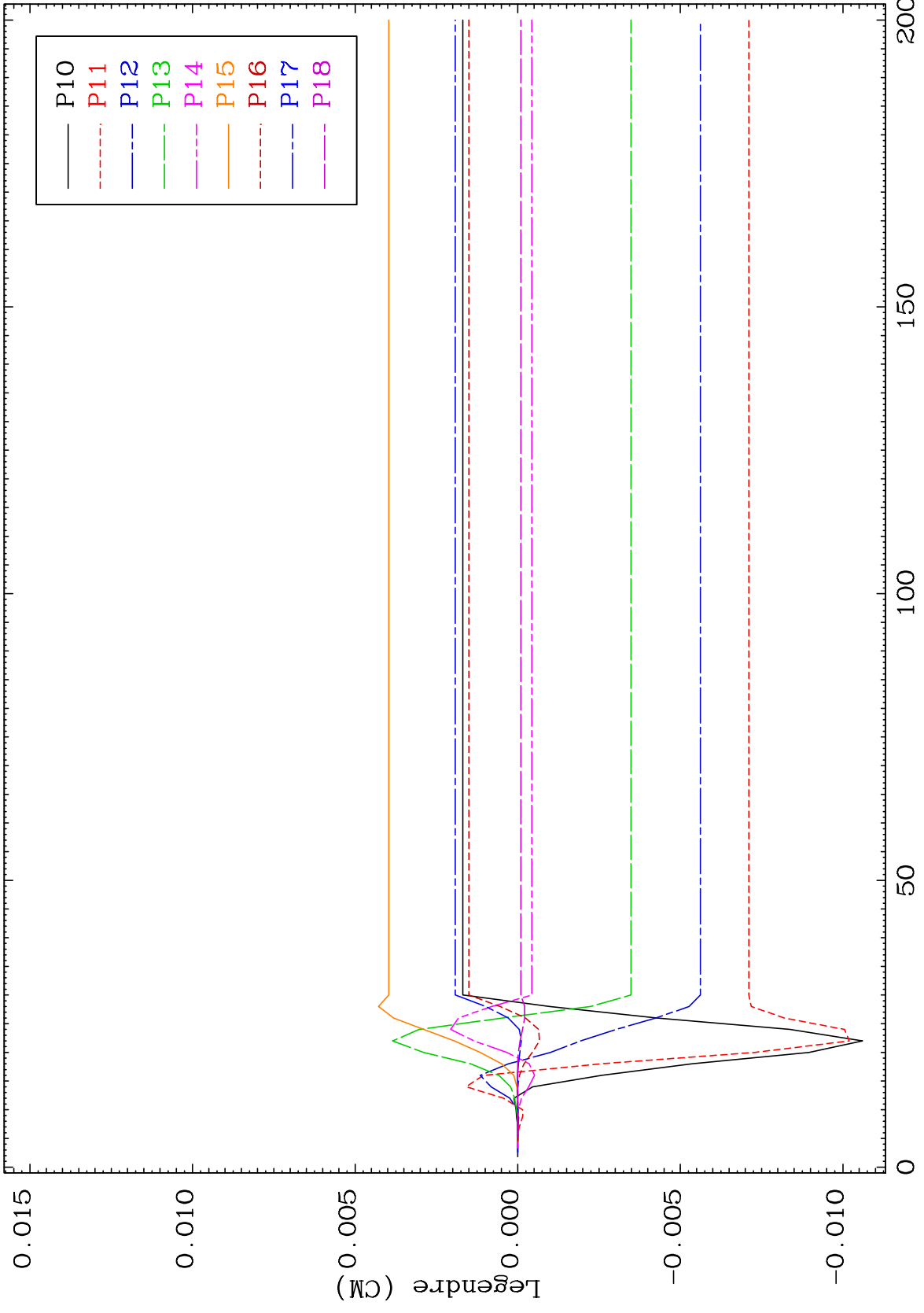
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



82

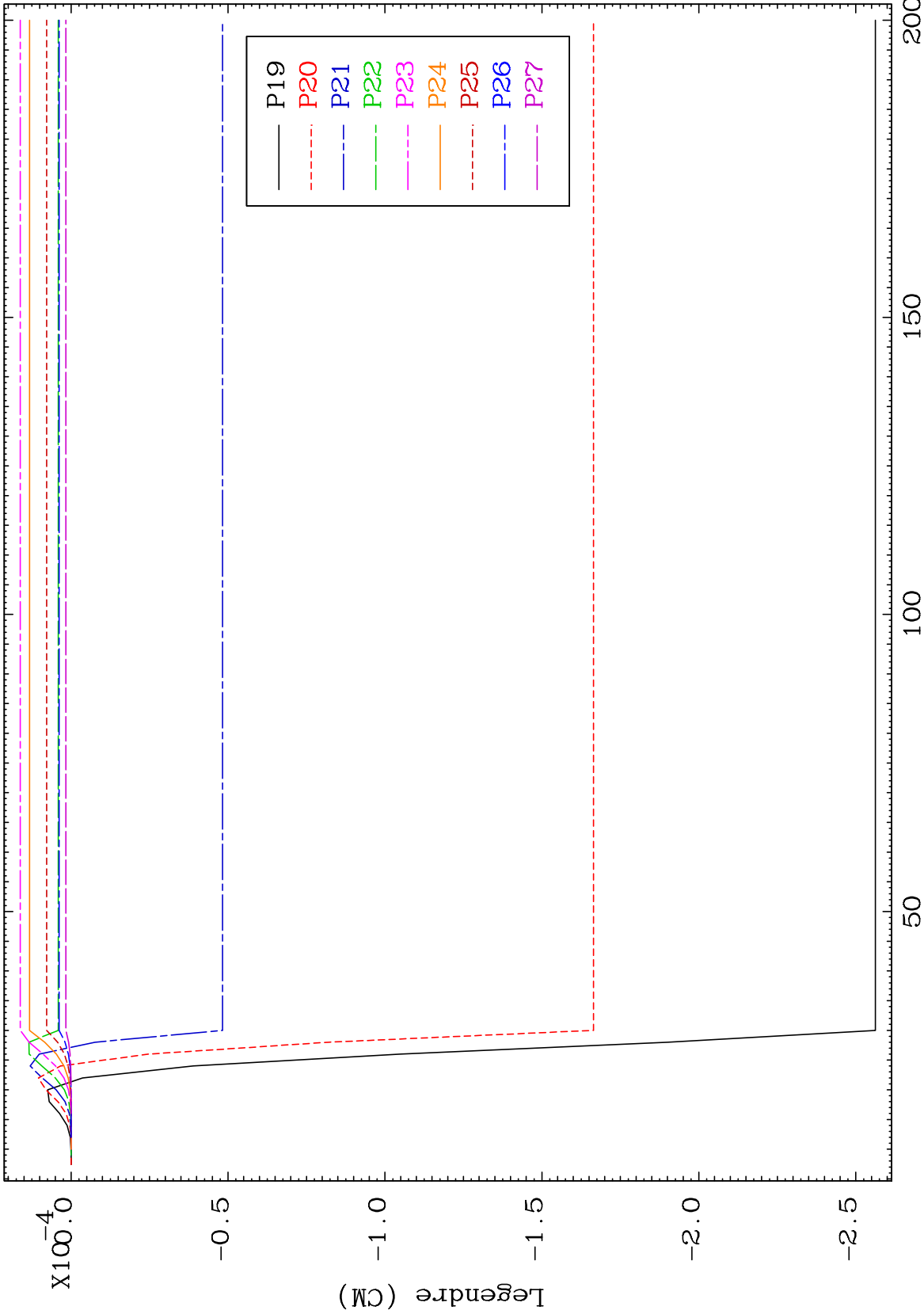
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



83

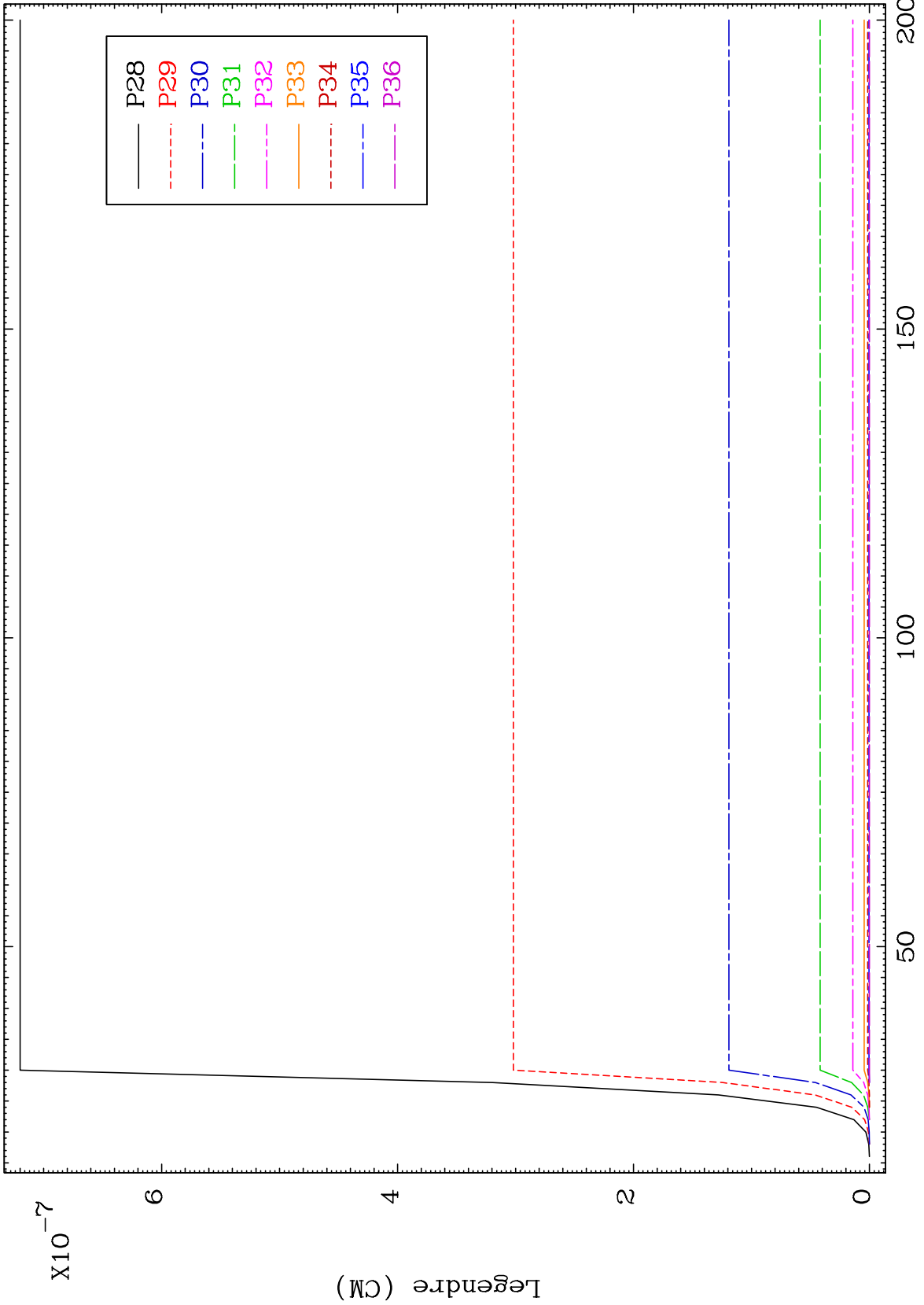
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



84

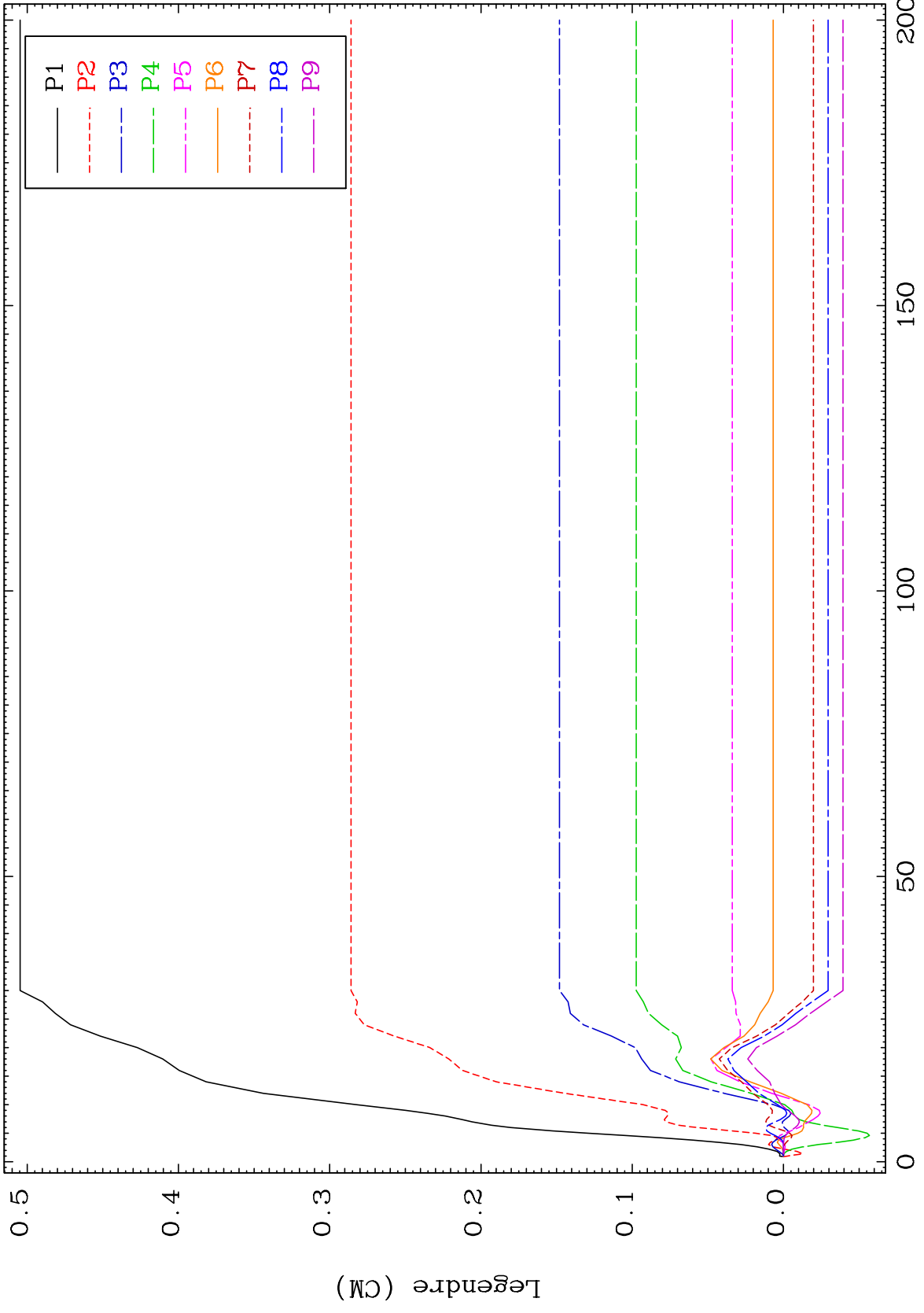
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



85

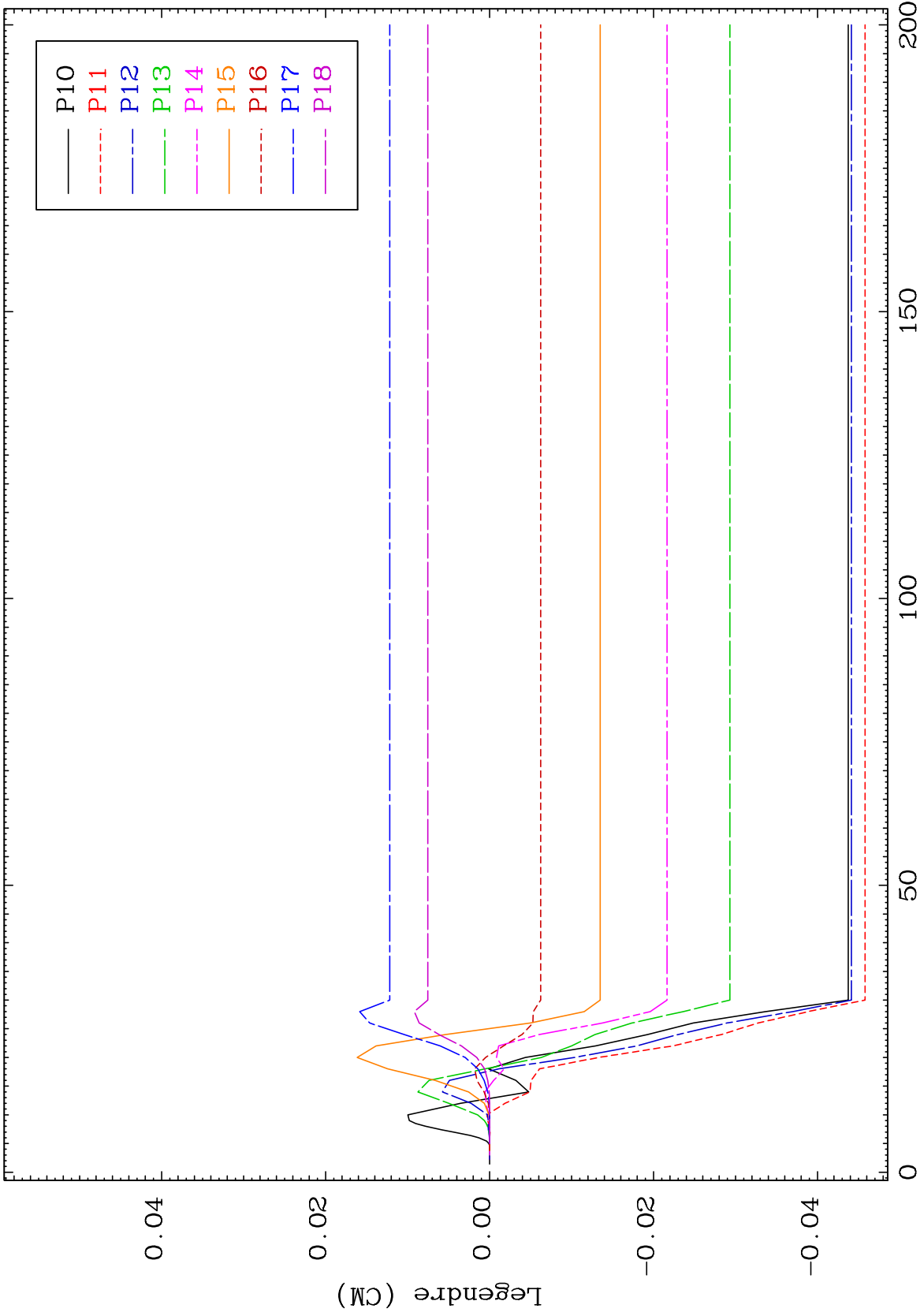
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

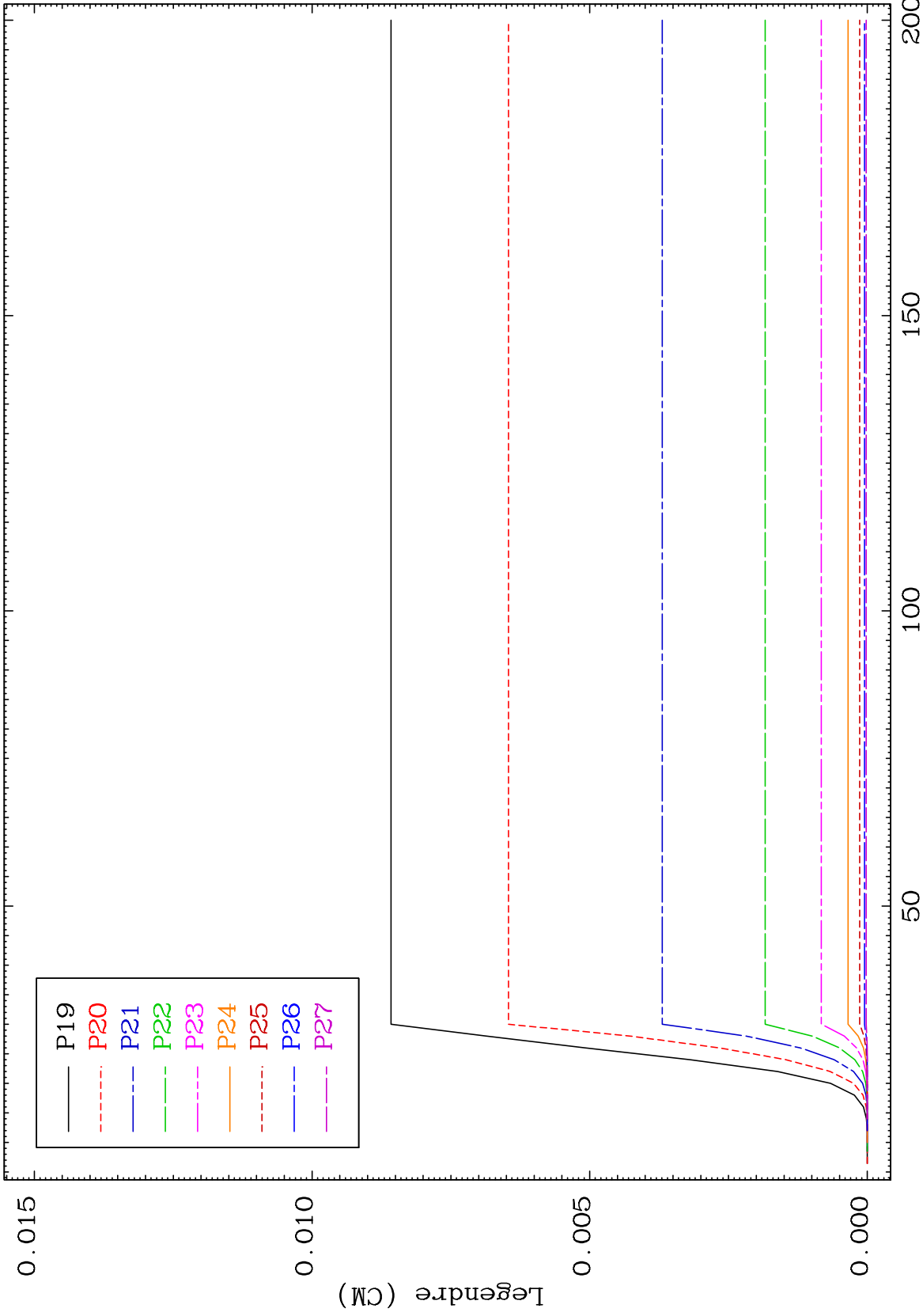
63-Eu-139



86

Incident Energy (MeV)

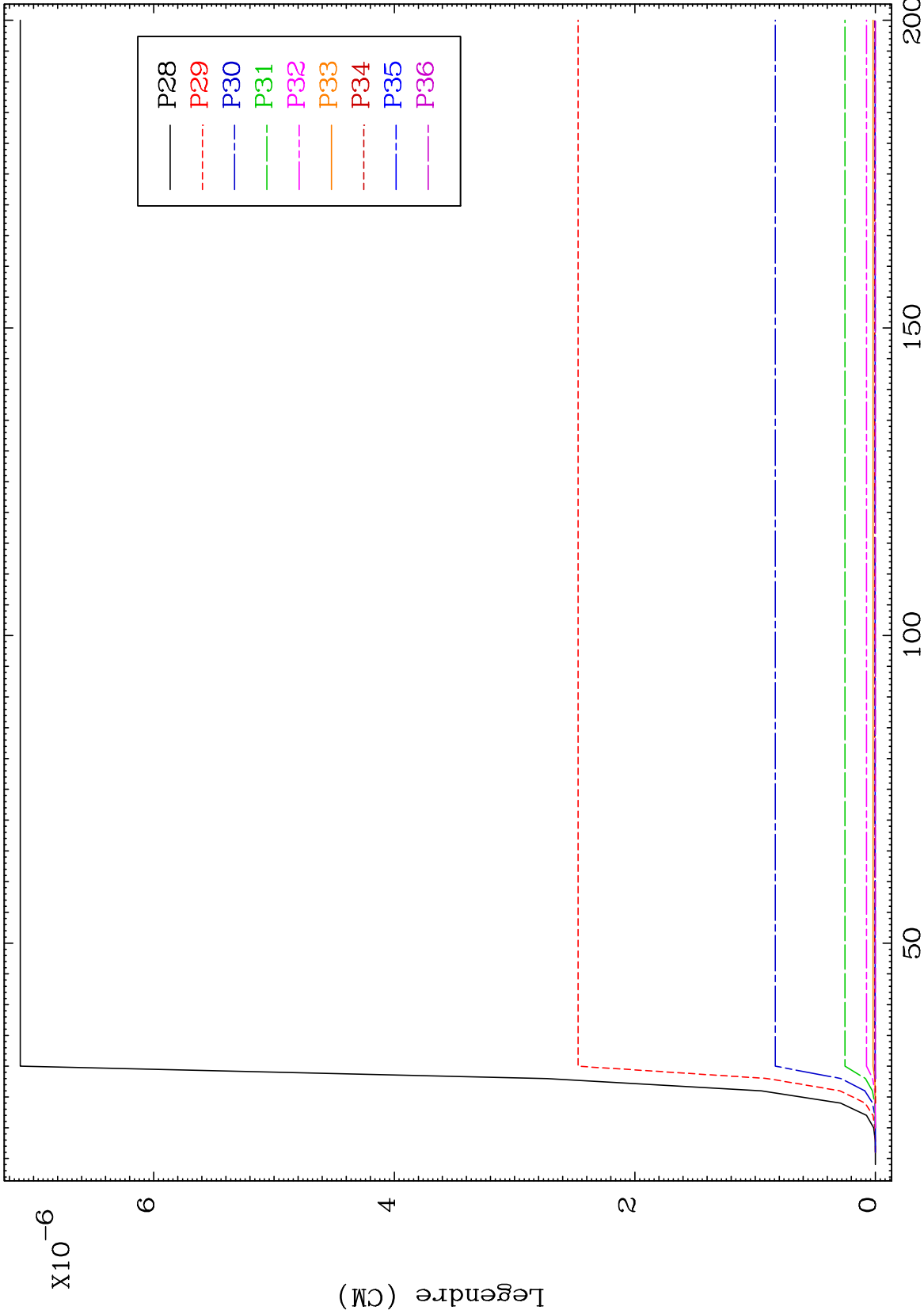
63-Eu-139



MAT 6289

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

63-Eu-139



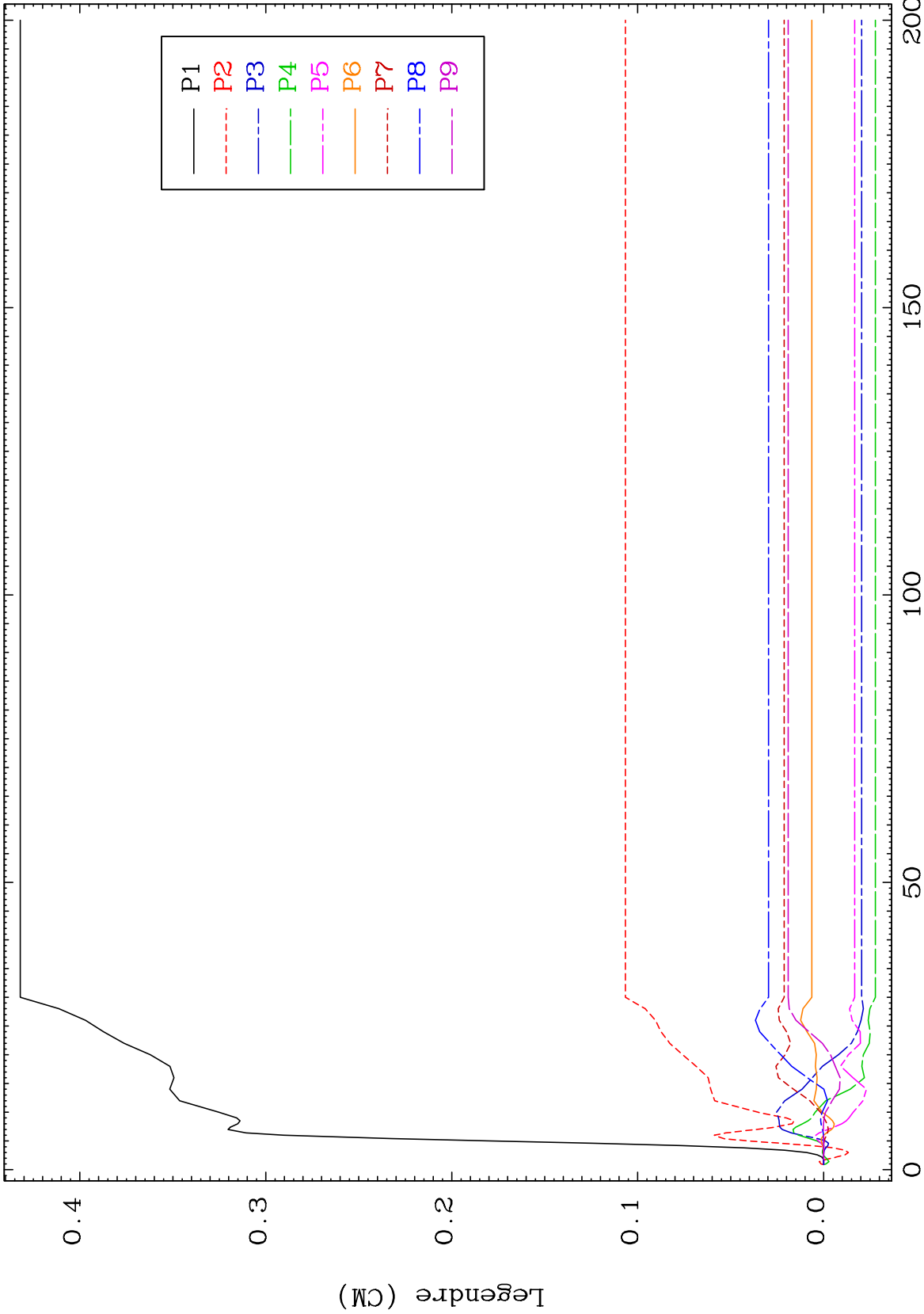
88

63-Eu-139

MAT 6289

MT= 68 (n,n') Level
Legendre Coefficients

63-Eu-139



89

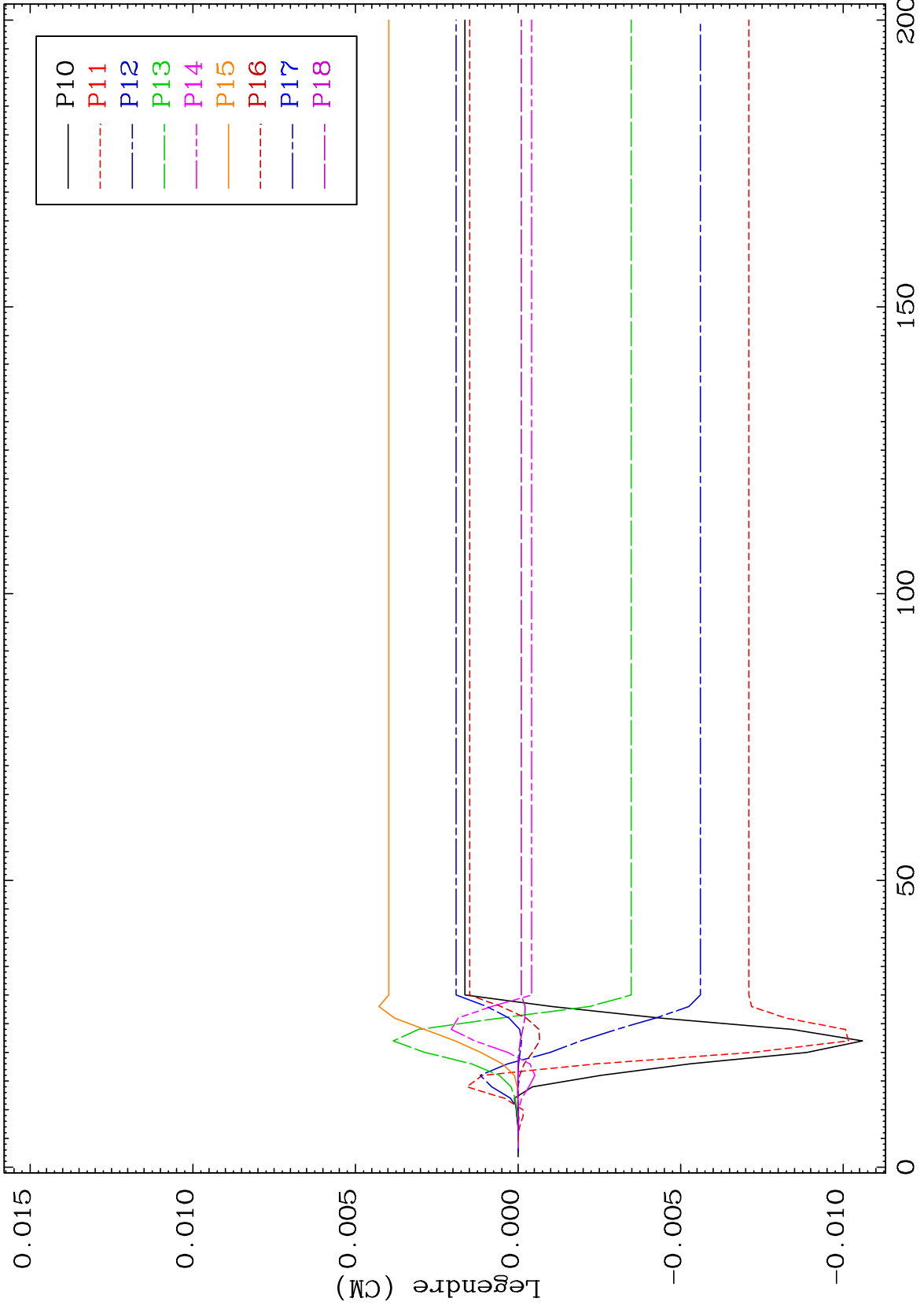
Incident Energy (MeV)

63-Eu-139

MAT 6289

MT= 68 (n,n') Level
Legendre Coefficients

63-Eu-139



90

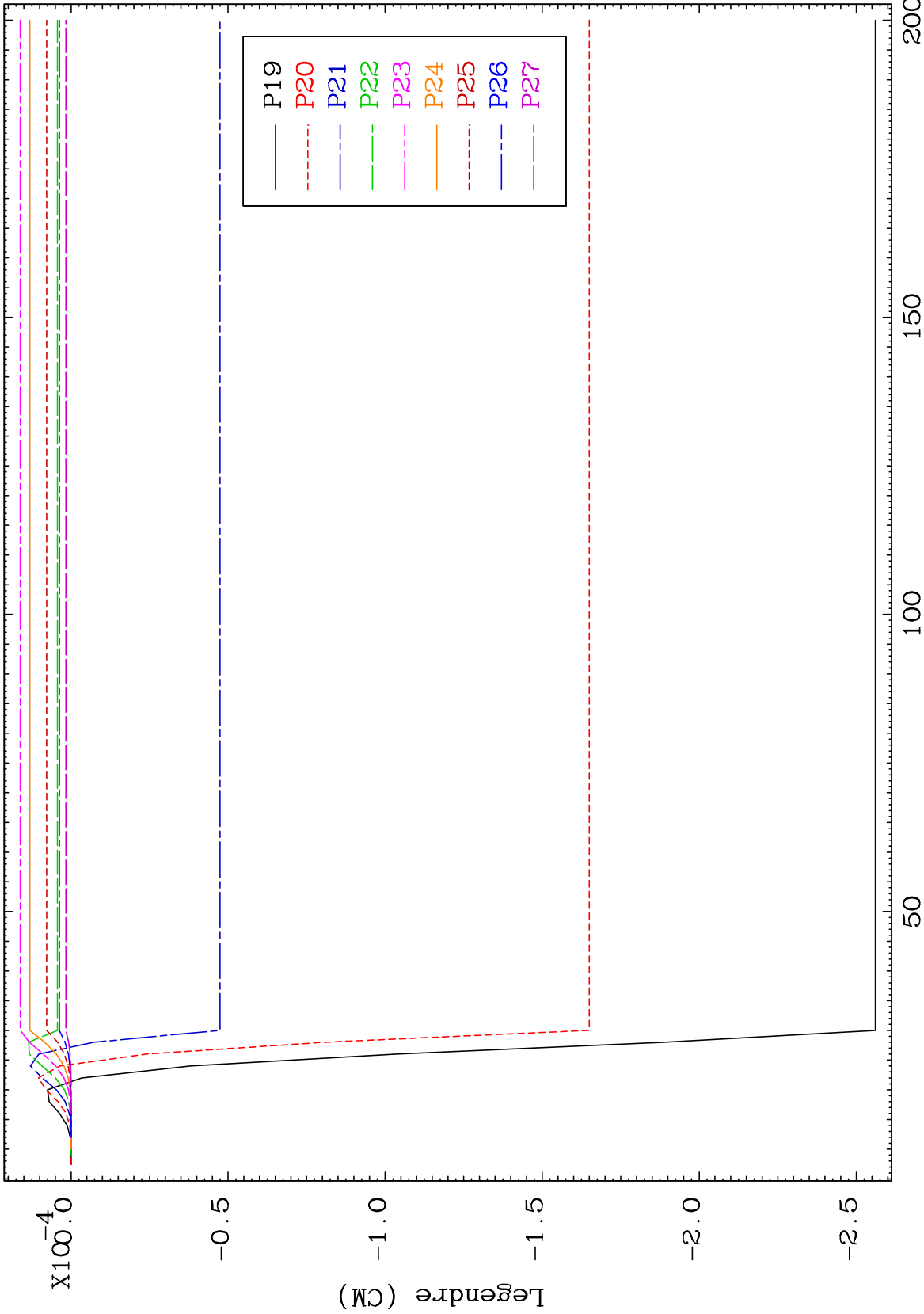
Incident Energy (MeV)

63-Eu-139

MAT 6289

MT= 68 (n,n') Level
Legendre Coefficients

63-Eu-139



91

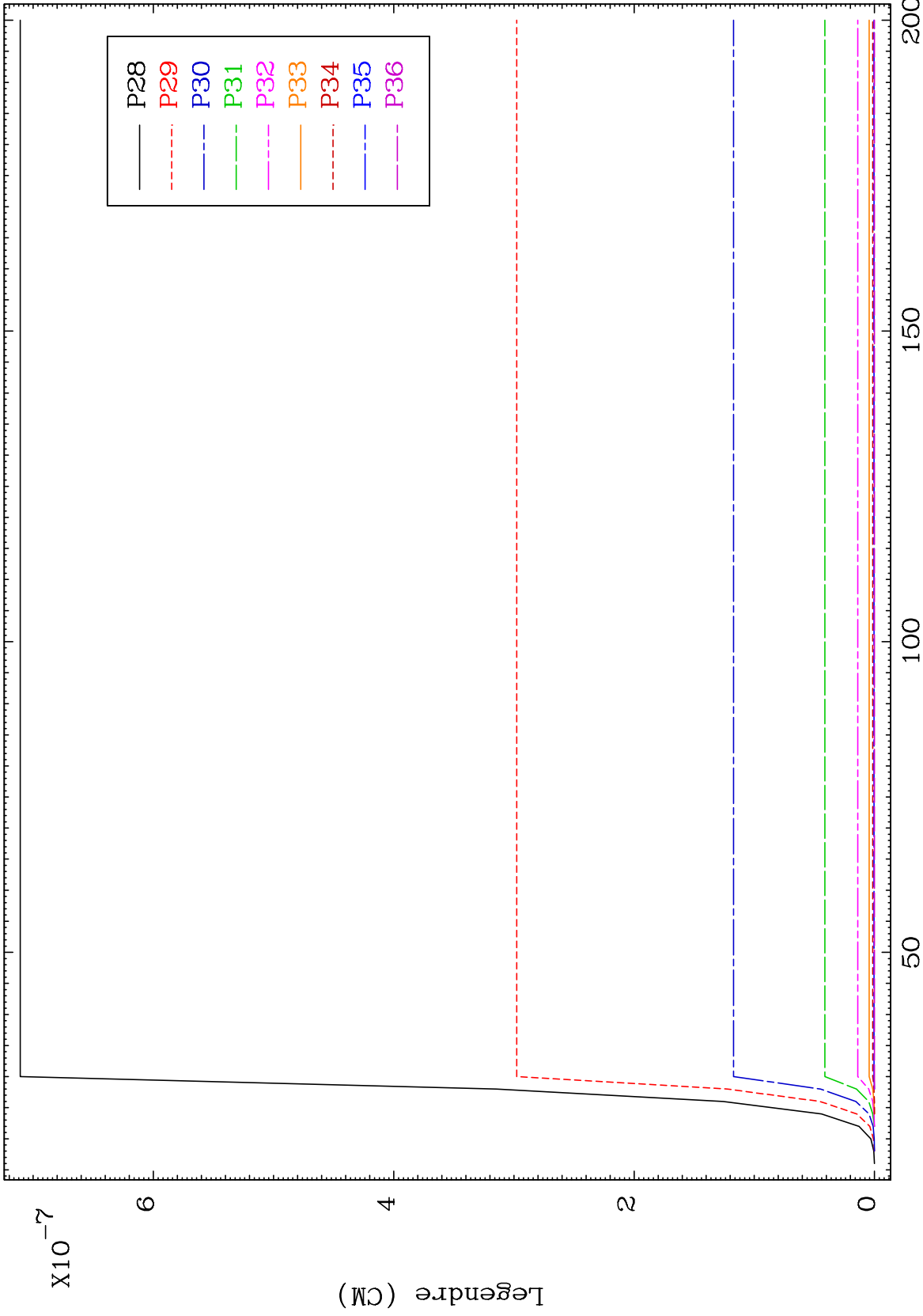
Incident Energy (MeV)

63-Eu-139

MAT 6289

MT= 68 (n,n') Level
Legendre Coefficients

63-Eu-139



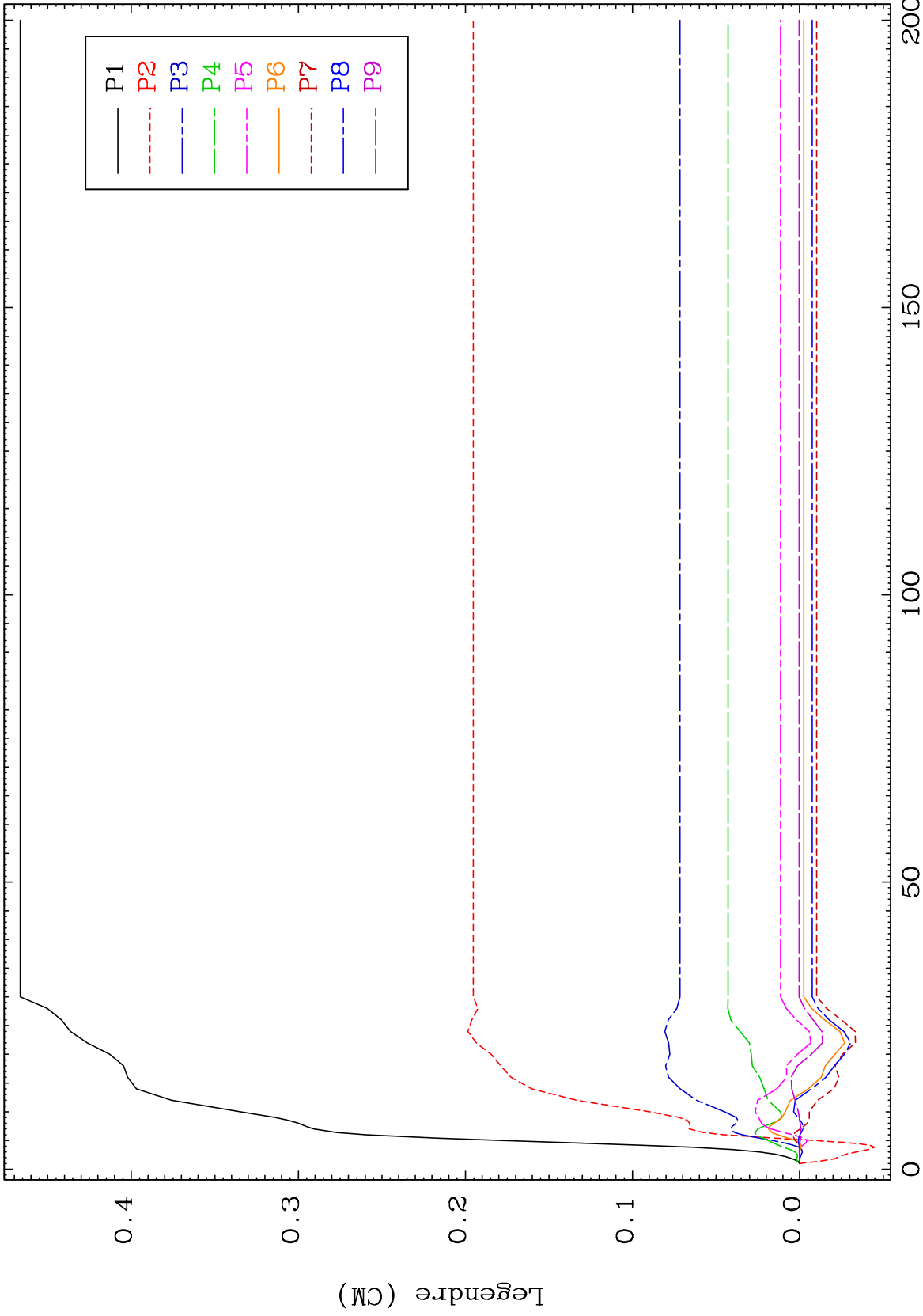
92

63-Eu-139

MAT 6289

MT= 69 (n,n') Level
Legendre Coefficients

63-Eu-139



93

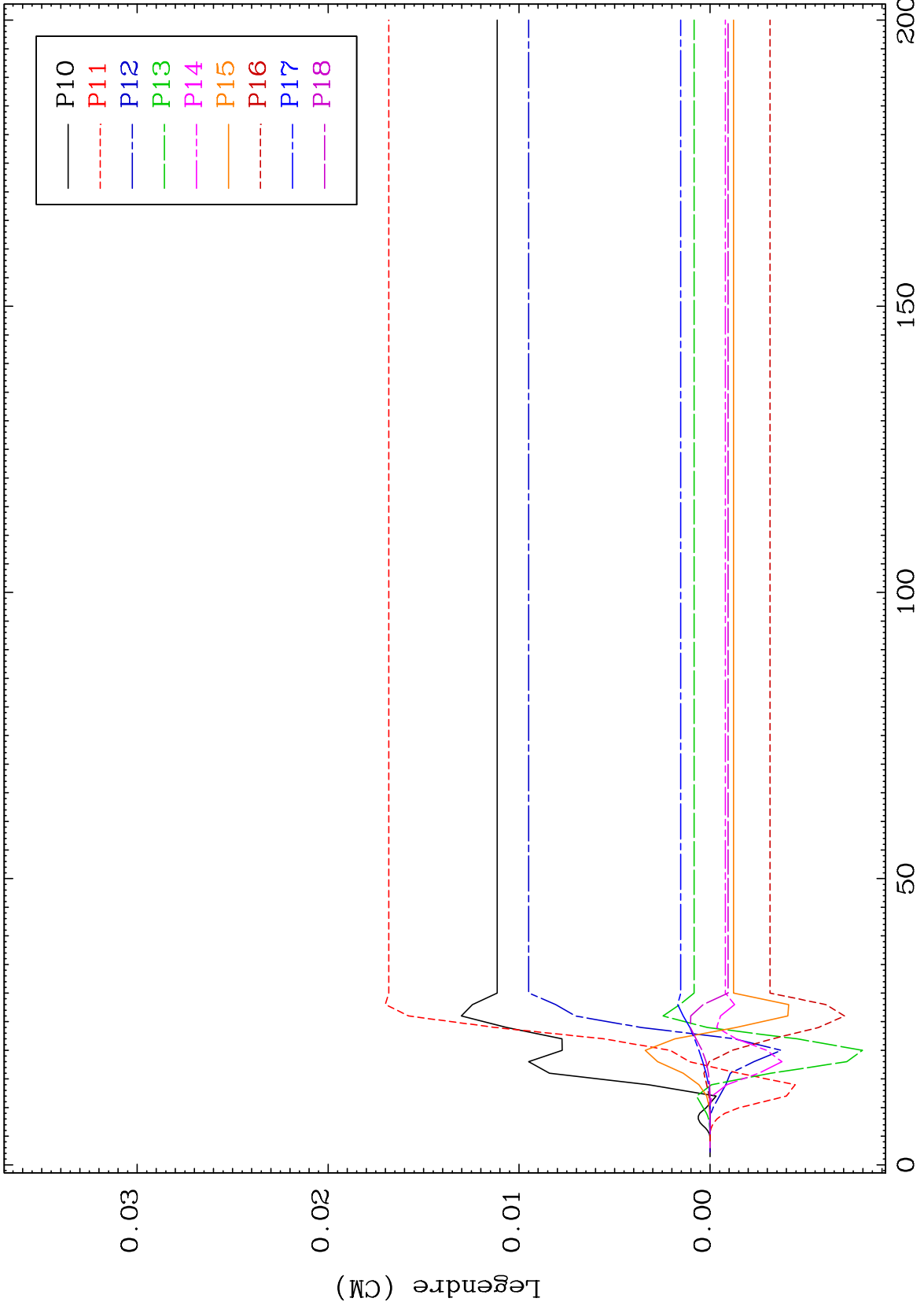
Incident Energy (MeV)

63-Eu-139

MAT 6289

MT= 69 (n,n') Level
Legendre Coefficients

63-Eu-139



94

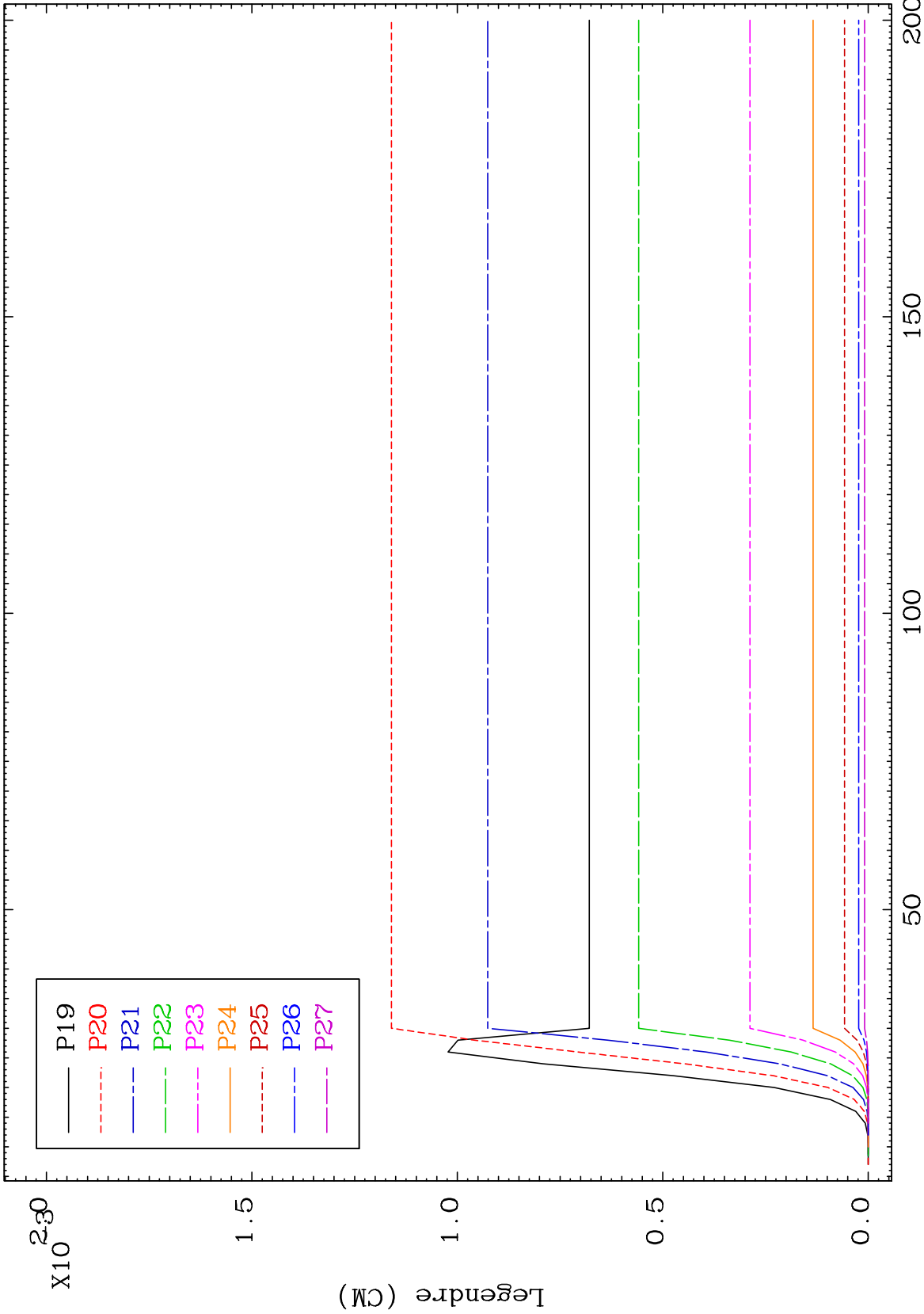
Incident Energy (MeV)

63-Eu-139

MAT 6289

MT= 69 (n,n') Level
Legendre Coefficients

63-Eu-139



95

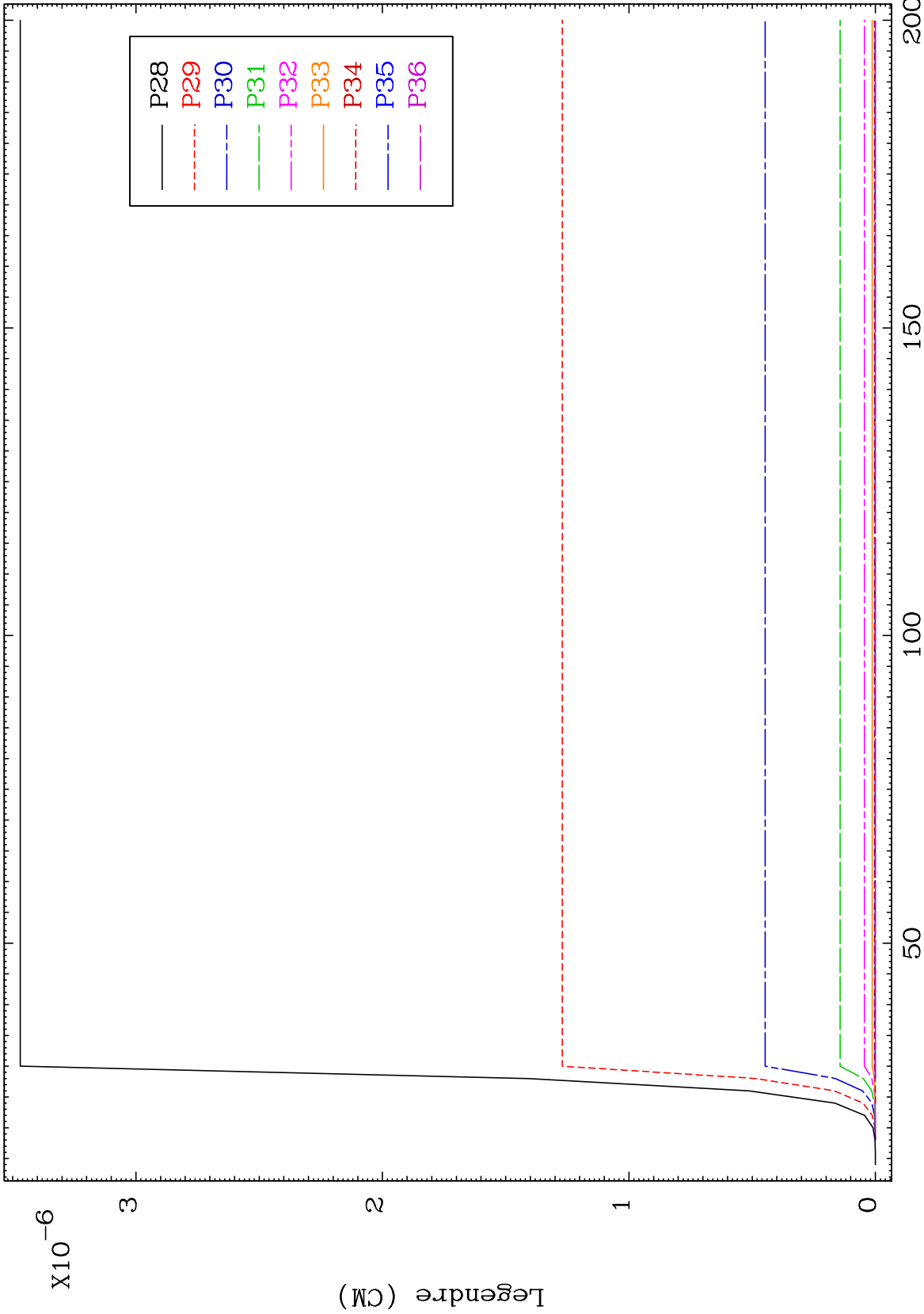
Incident Energy (MeV)

63-Eu-139

MAT 6289

MT= 69 (n,n') Level
Legendre Coefficients

63-Eu-139



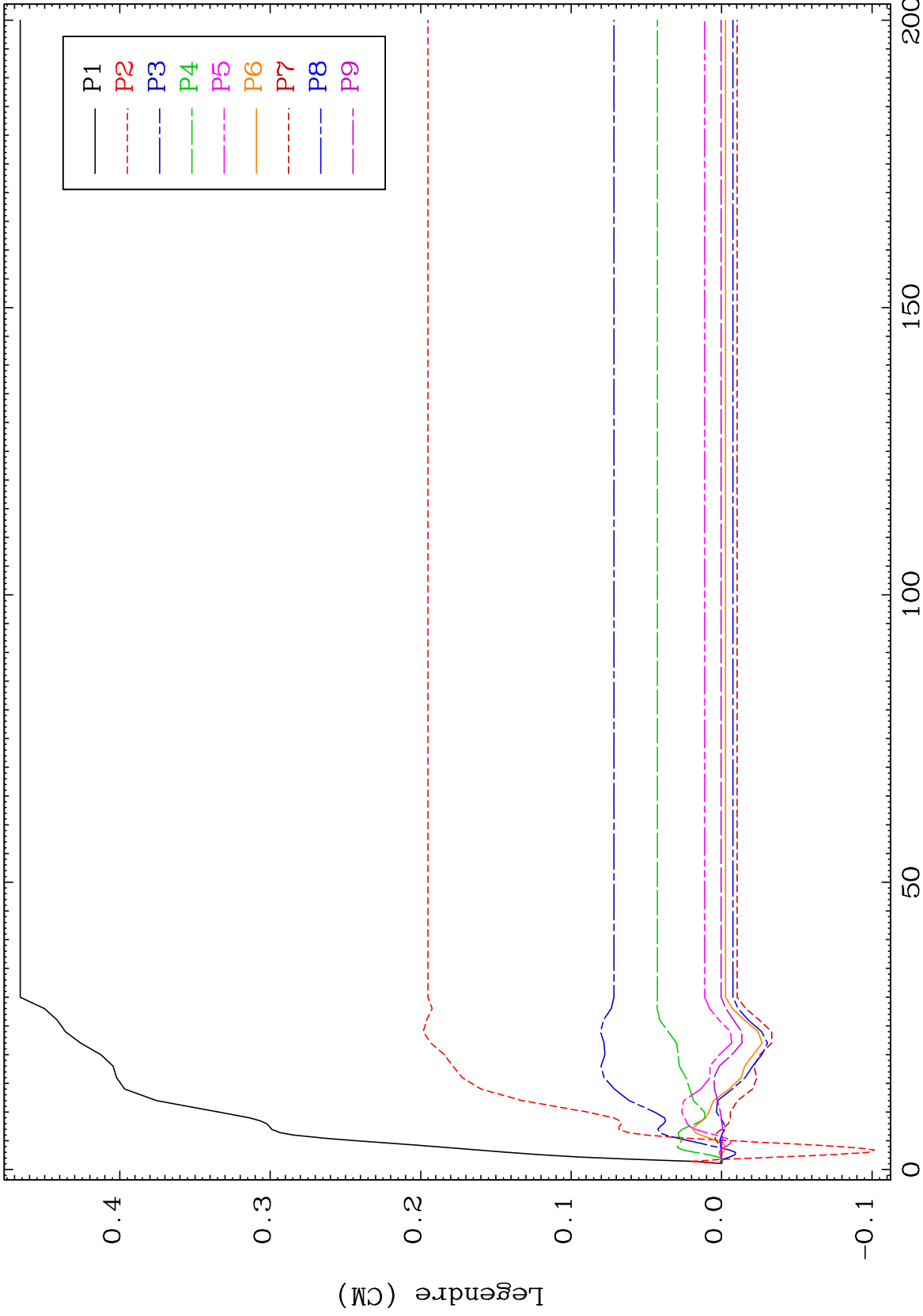
96

63-Eu-139

MAT 6289

MT= 70 (n,n') Level
Legendre Coefficients

63-Eu-139



97

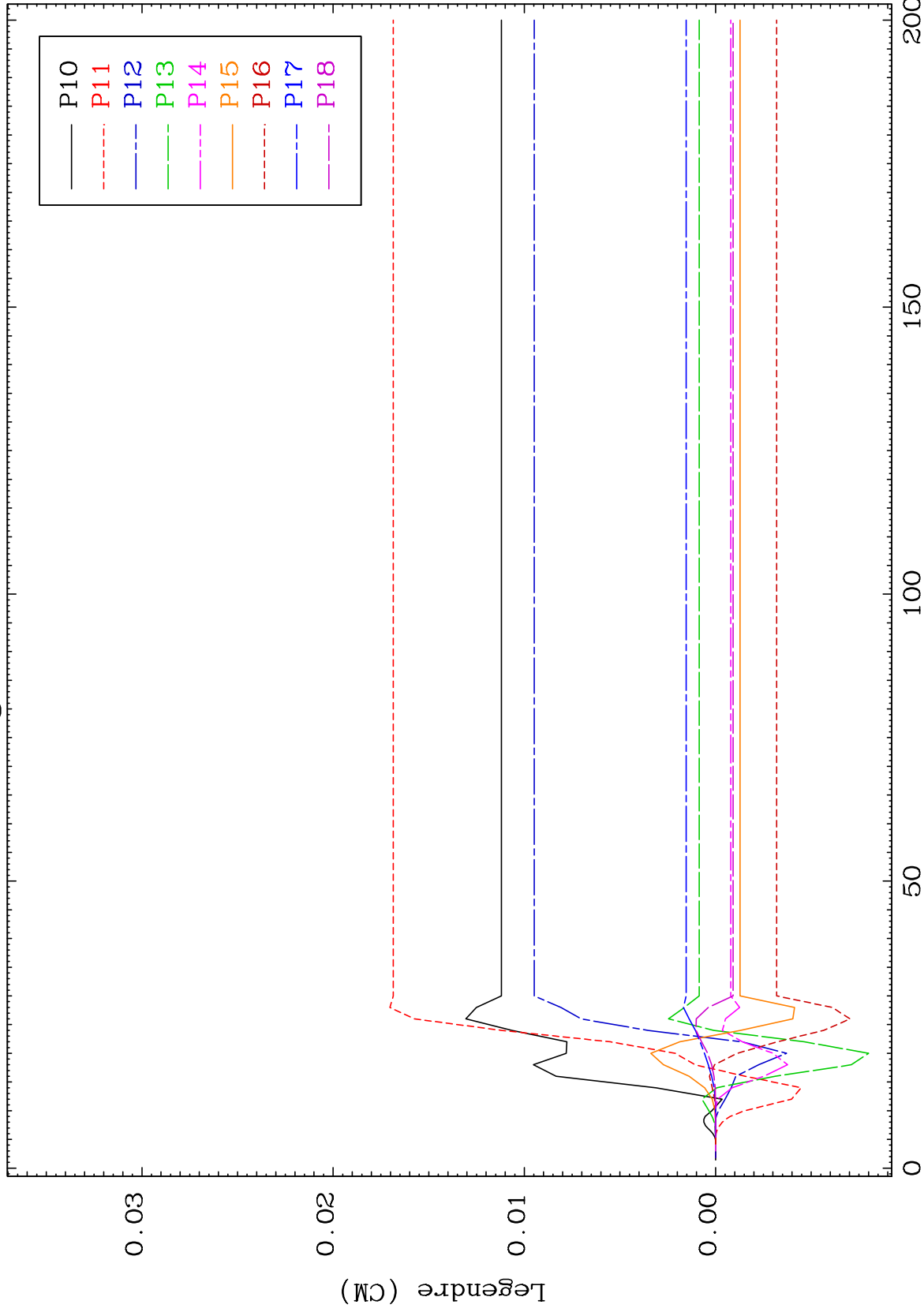
Incident Energy (MeV)

63-Eu-139

MAT 6289

MT= 70 (n,n') Level
Legendre Coefficients

63-Eu-139



98

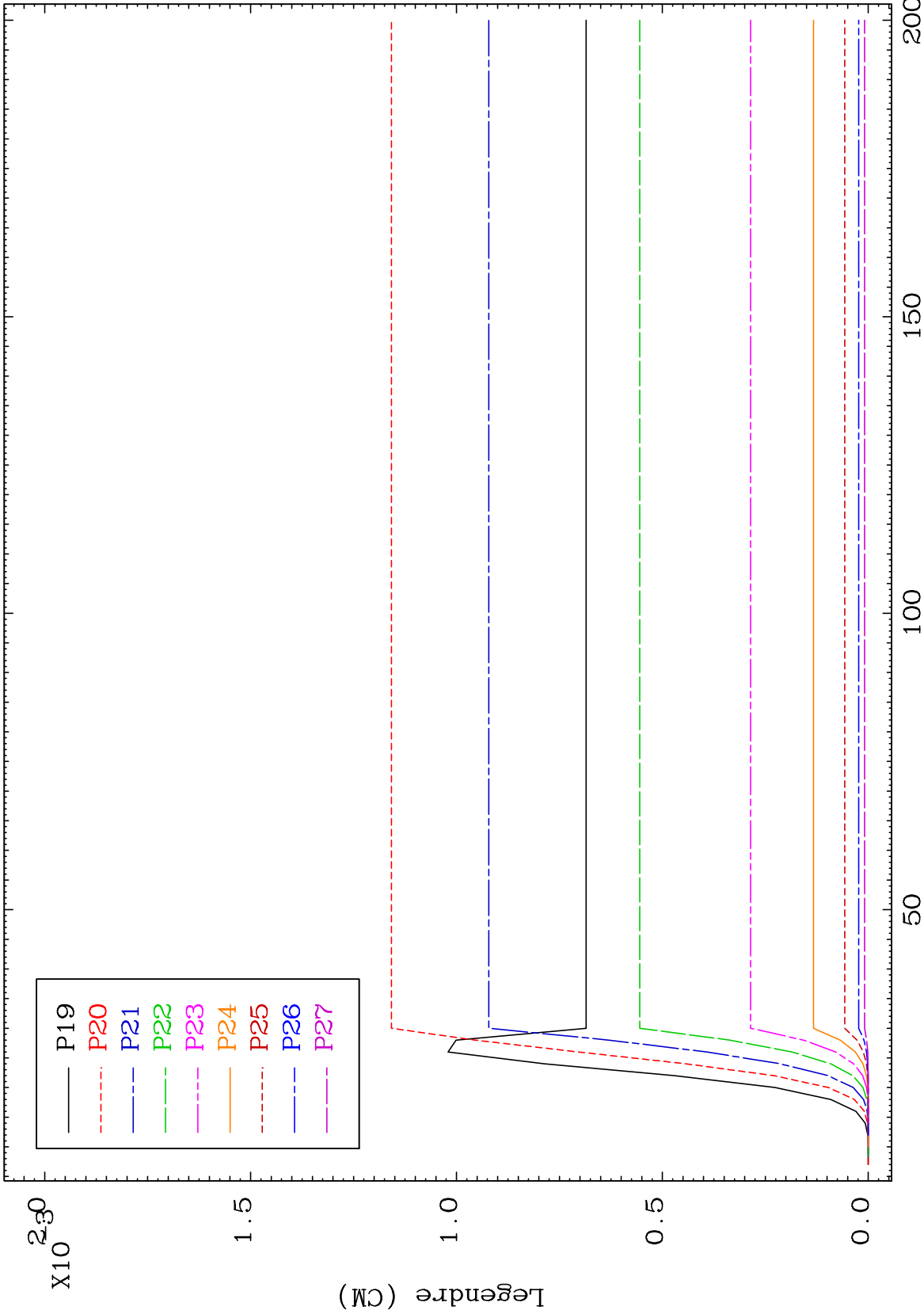
Incident Energy (MeV)

63-Eu-139

MAT 6289

MT= 70 (n,n') Level
Legendre Coefficients

63-Eu-139



99

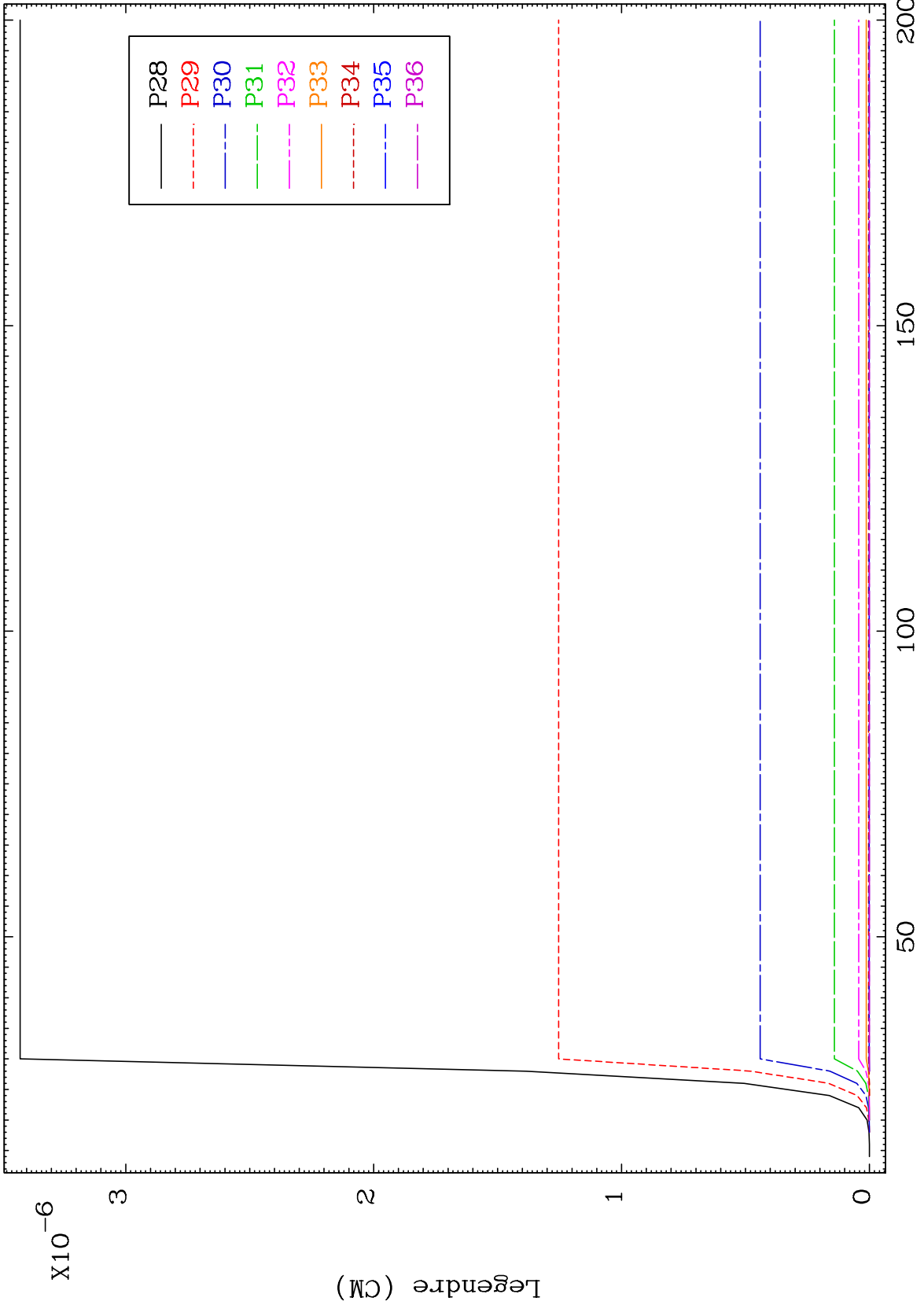
Incident Energy (MeV)

63-Eu-139

MAT 6289

MT= 70 (n,n') Level
Legendre Coefficients

63-Eu-139



100

50

100

150

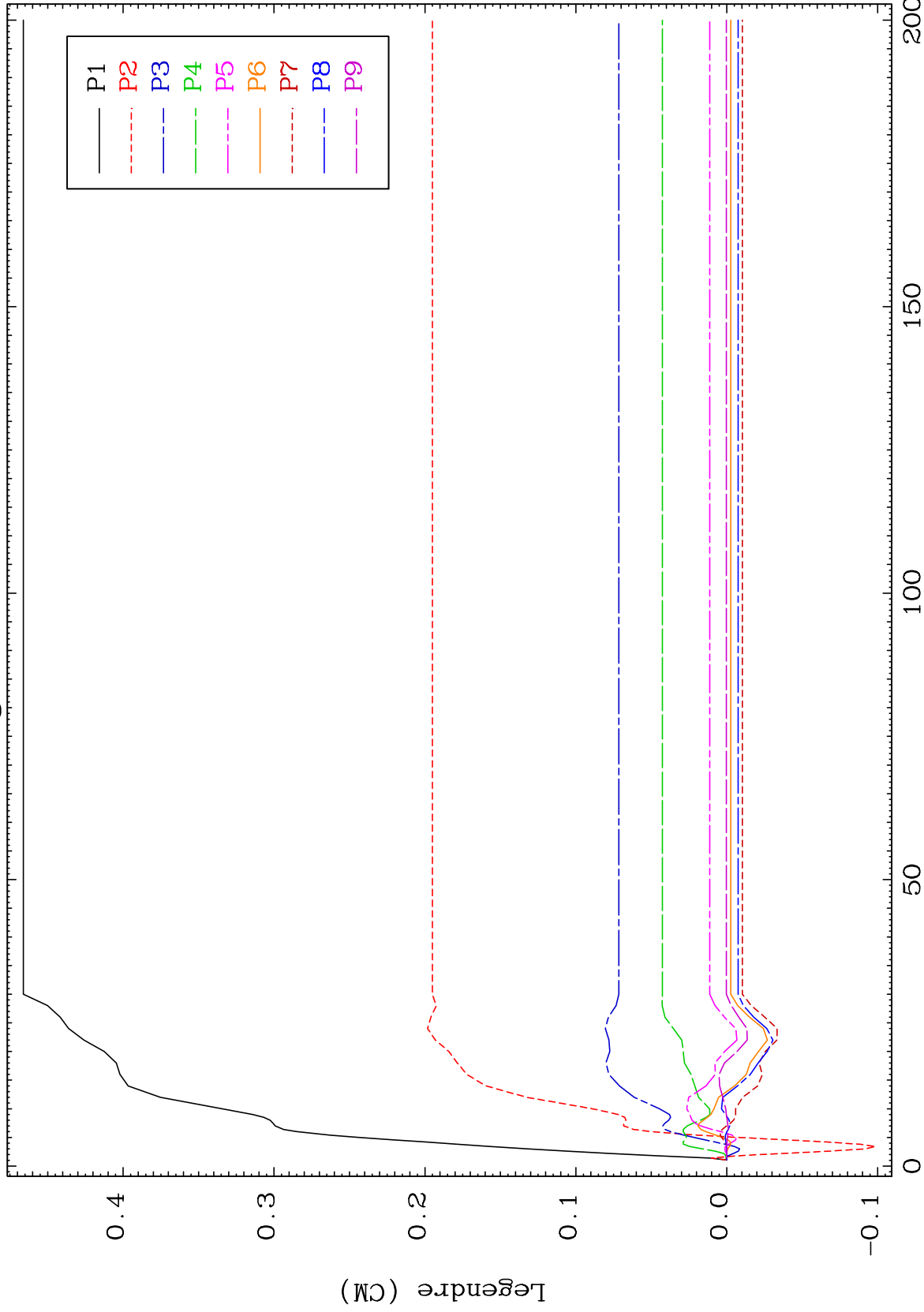
200

63-Eu-139

MAT 6289

MT= 71 (n,n') Level
Legendre Coefficients

63-Eu-139



63-Eu-139

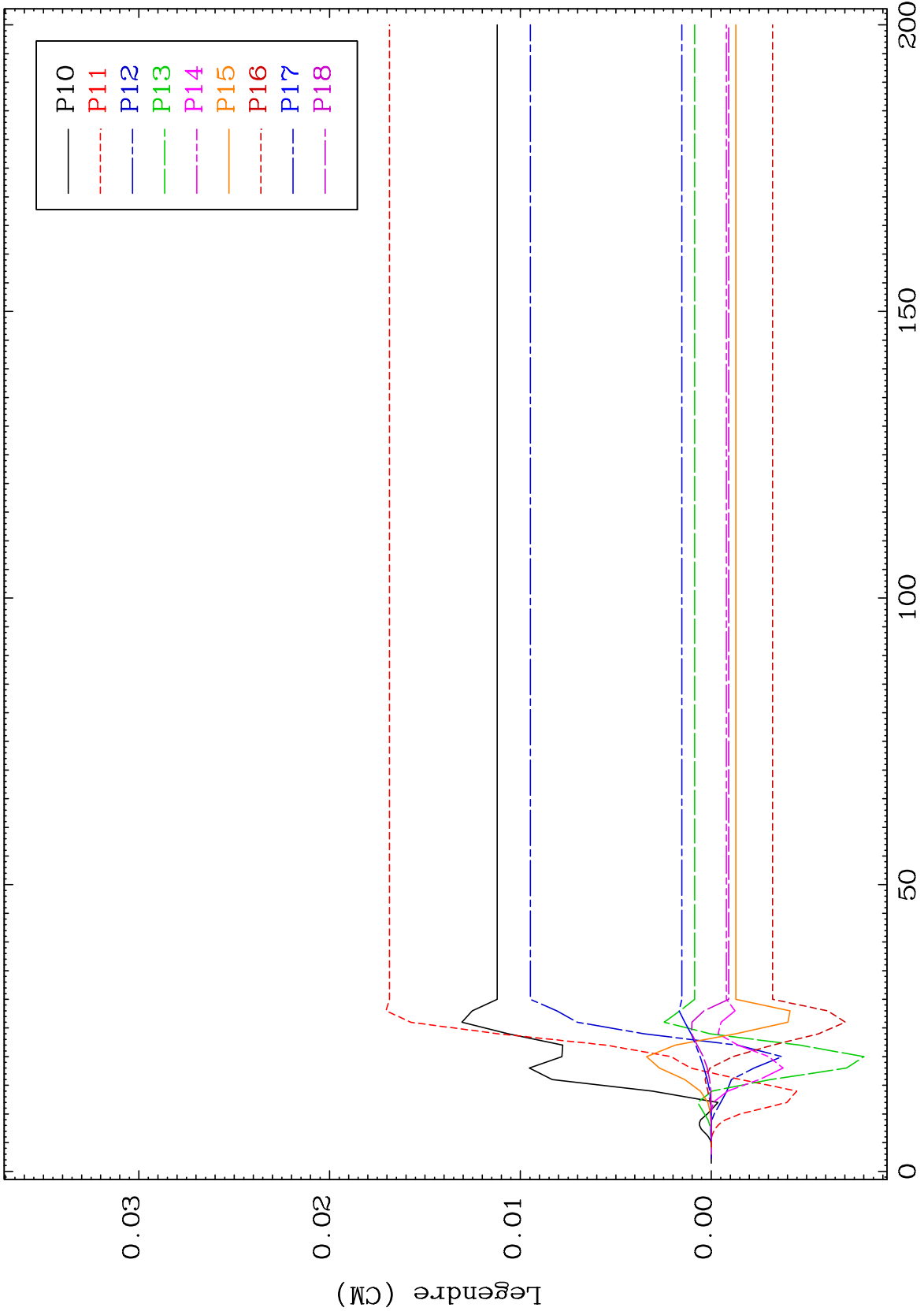
Incident Energy (MeV)

101

MAT 6289

MT= 71 (n,n') Level
Legendre Coefficients

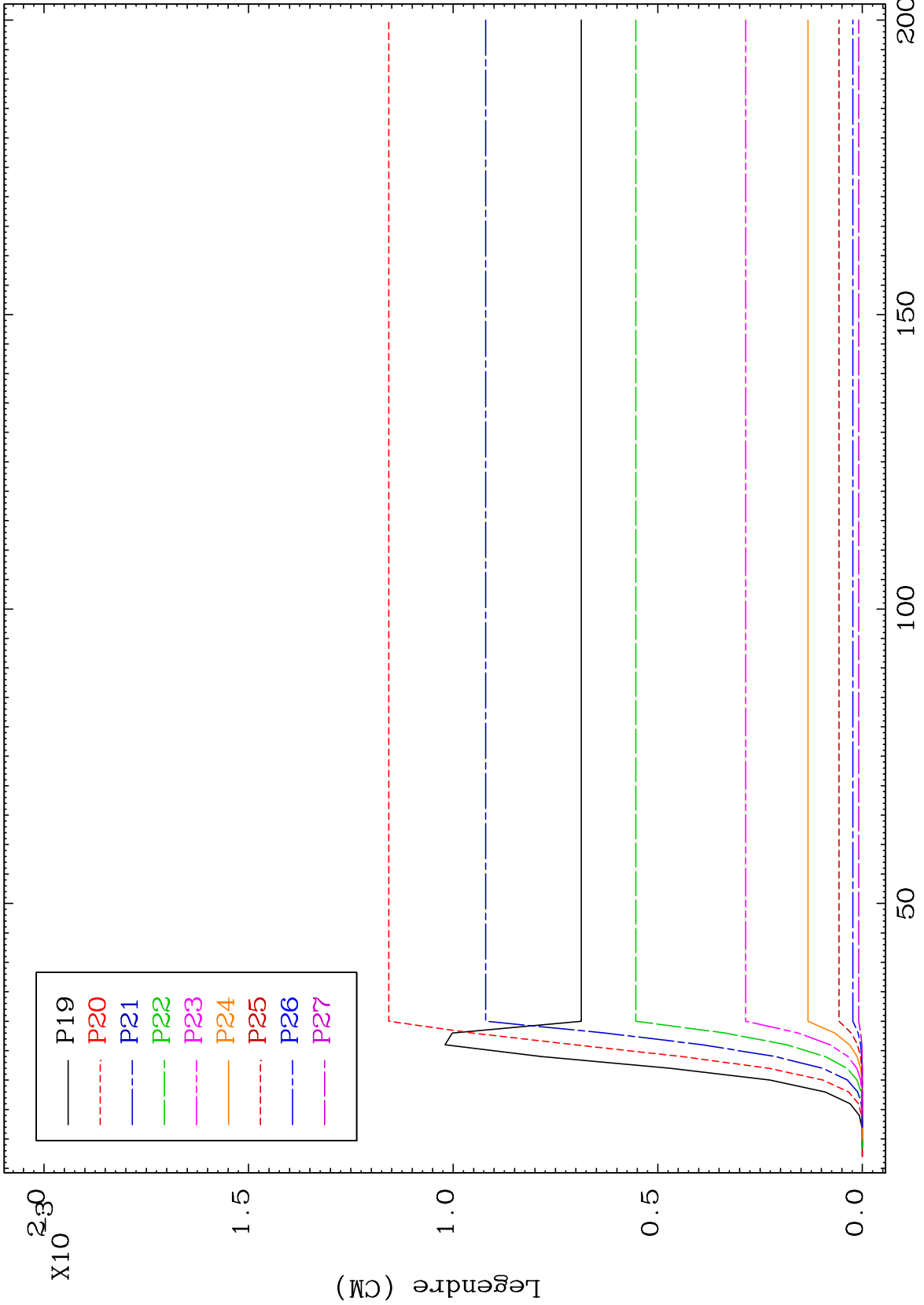
63-Eu-139



102

Incident Energy (MeV)

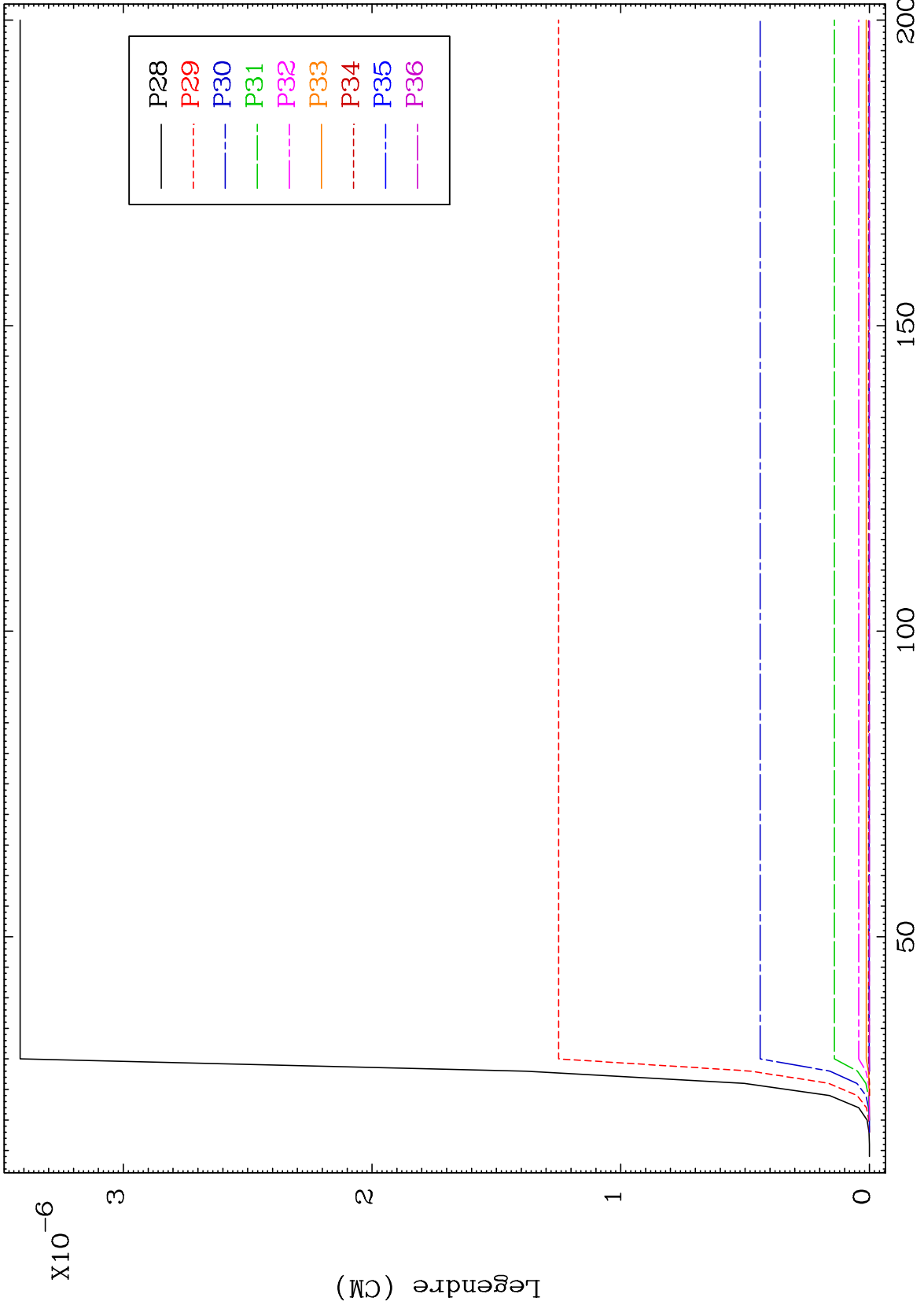
63-Eu-139



MAT 6289

MT= 71 (n,n') Level
Legendre Coefficients

63-Eu-139



104

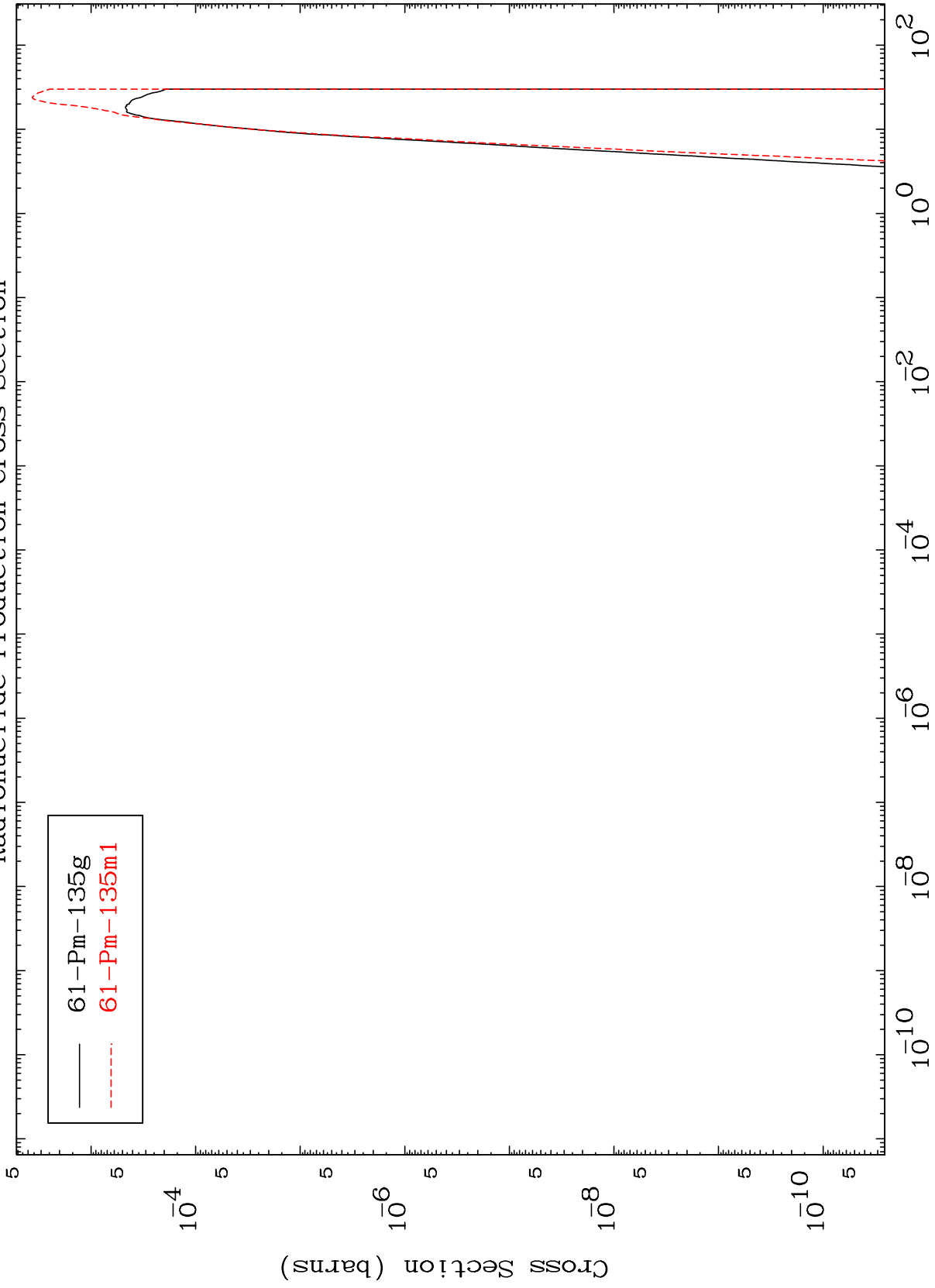
63-Eu-139

MAT 6289

(n,n') α

63-Eu-139

Radionuclide Production Cross Section



61-Pm-135g
61-Pm-135m1

105

Incident Energy (MeV)

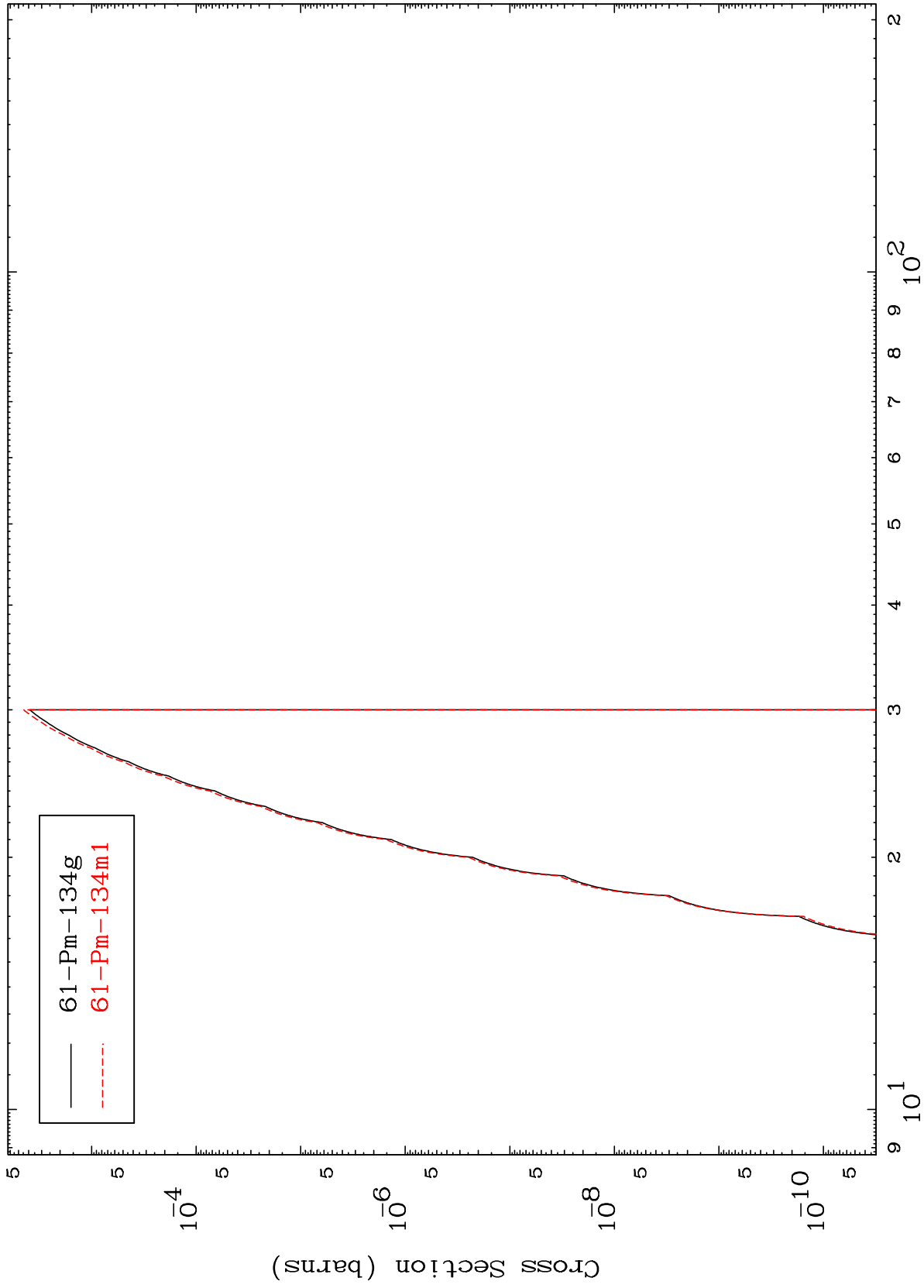
63-Eu-139

MAT 6289

(n,2n) α

63-Eu-139

Radionuclide Production Cross Section



106

Incident Energy (MeV)

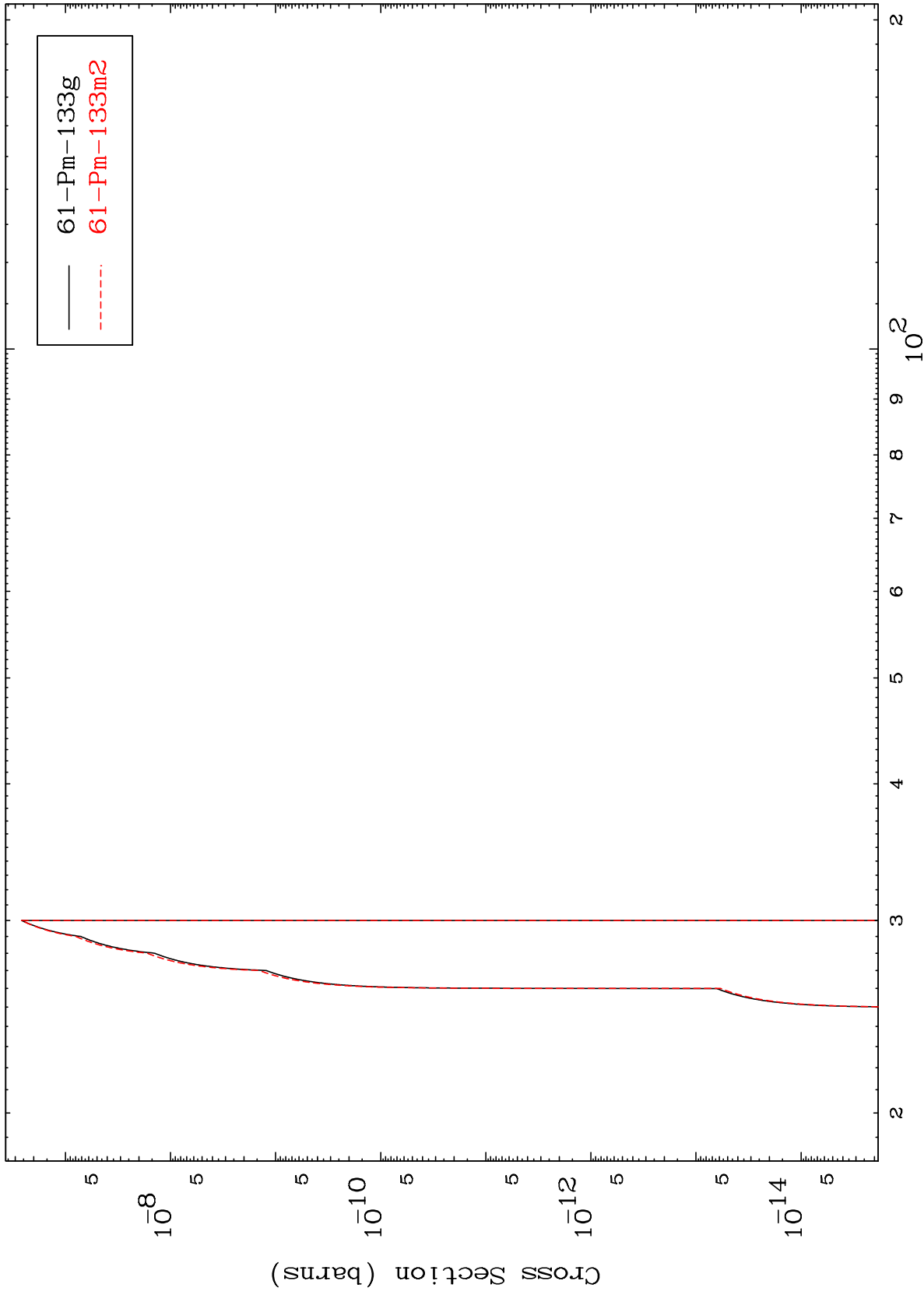
63-Eu-139

MAT 6289

(n,3n) α

63-Eu-139

Radionuclide Production Cross Section



107

Incident Energy (MeV)

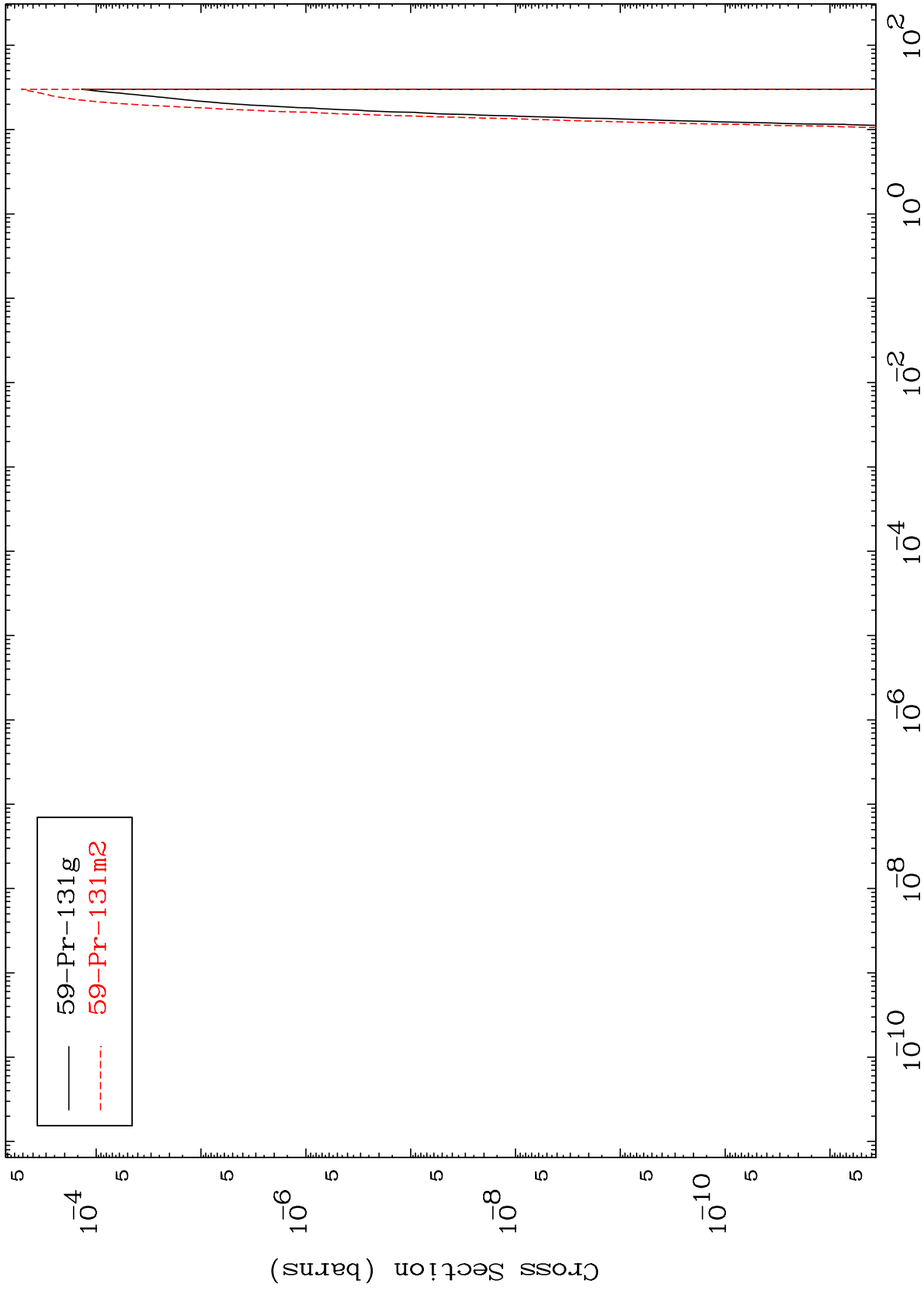
63-Eu-139

MAT 6289

(n,n') 2 α

63-Eu-139

Radionuclide Production Cross Section



108

Incident Energy (MeV)

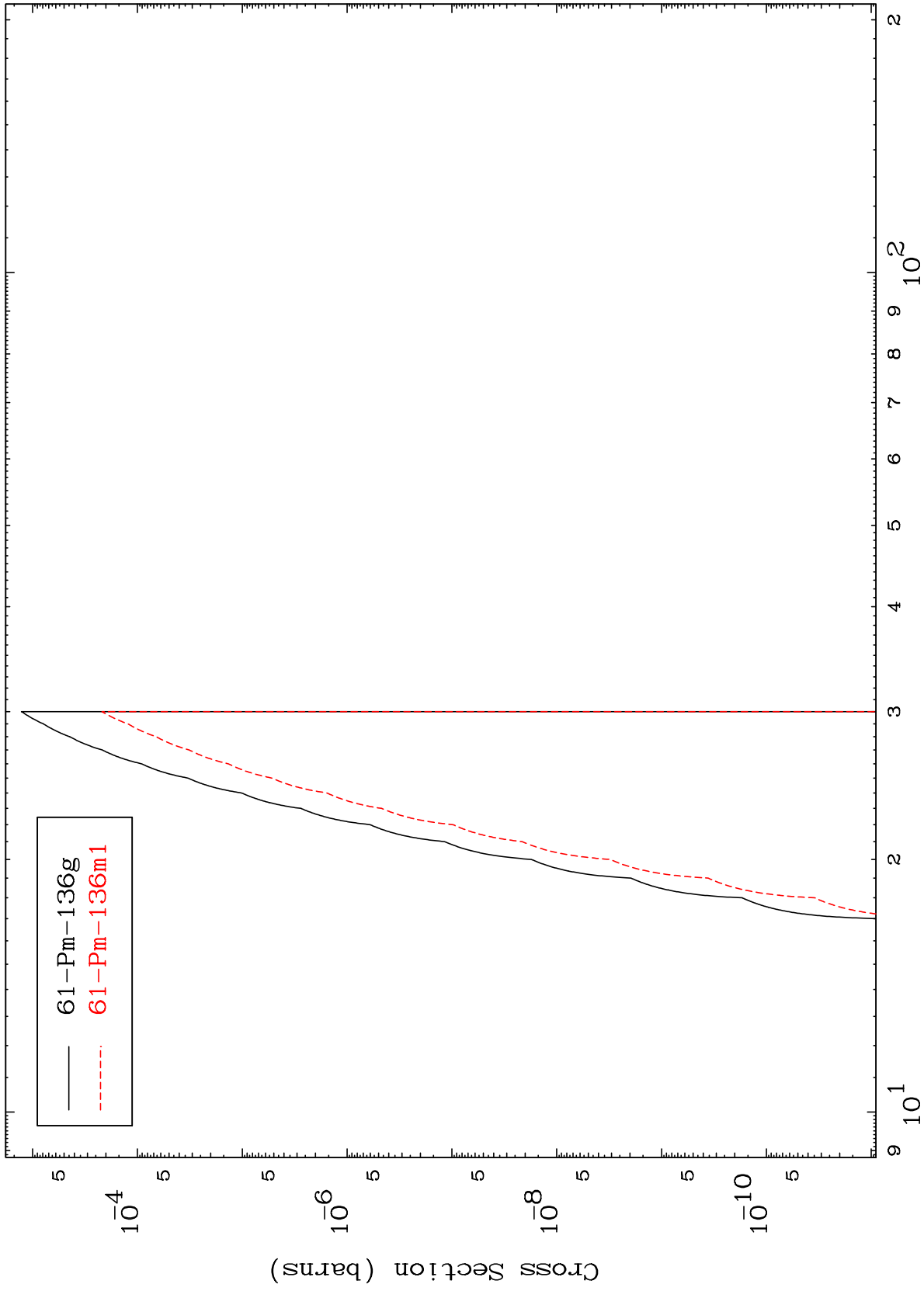
63-Eu-139

MAT 6289

(n, n') He-3

63-Eu-139

Radionuclide Production Cross Section



109

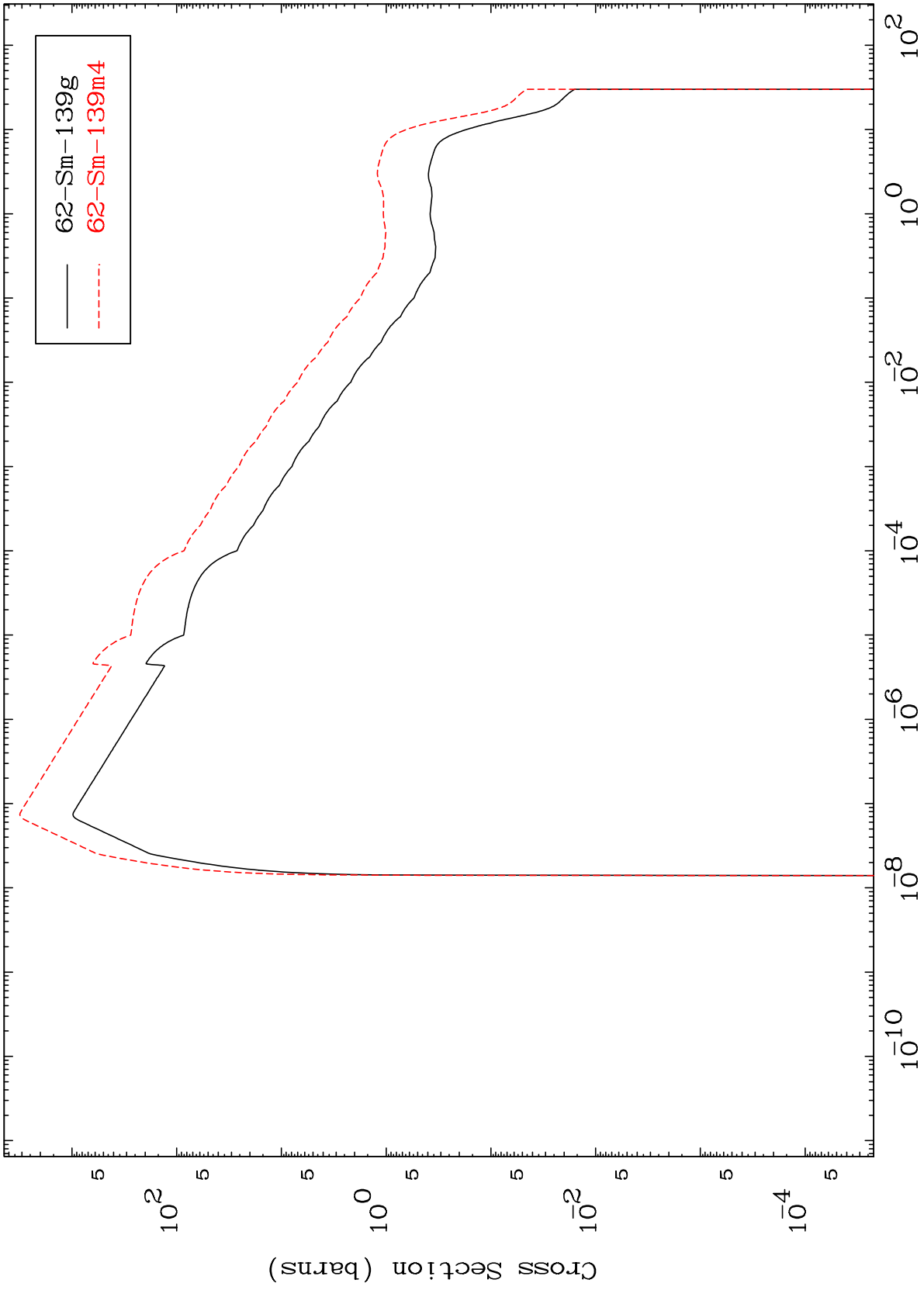
Incident Energy (MeV)

63-Eu-139

MAT 6289

63-Eu-139

(n,p)
Radionuclide Production Cross Section



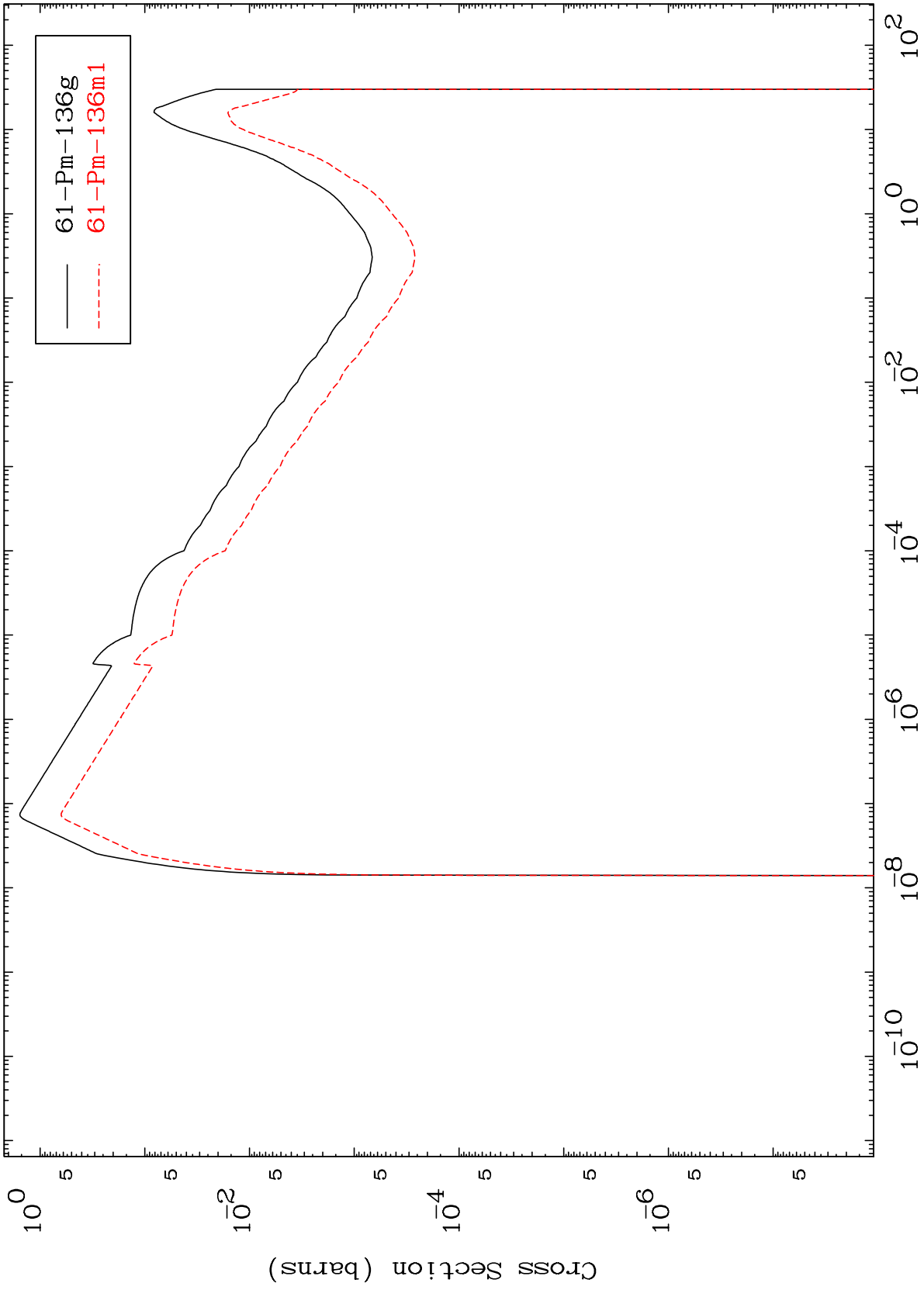
110

63-Eu-139

MAT 6289

63-Eu-139

(n, α)
Radionuclide Production Cross Section



111

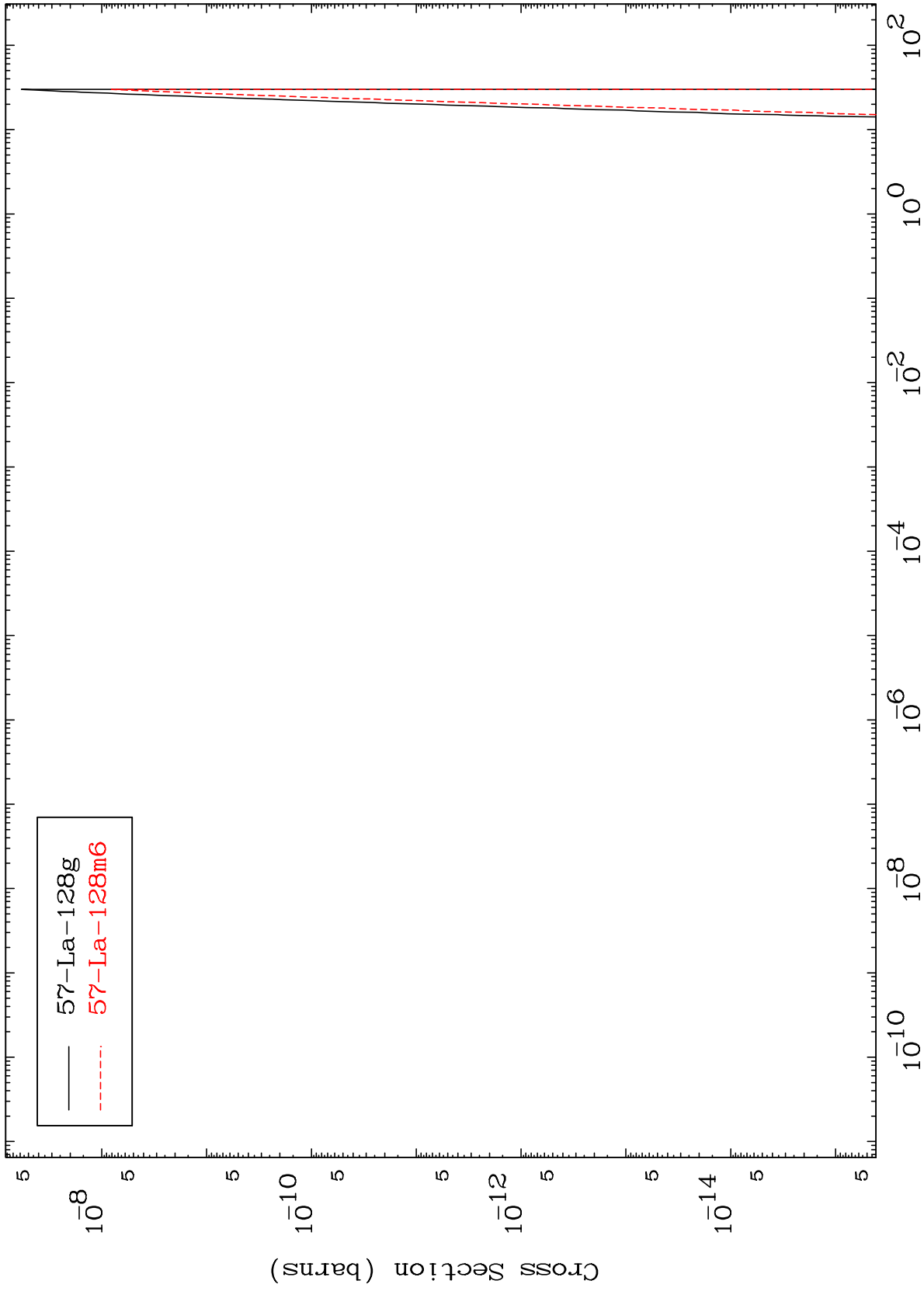
63-Eu-139

MAT 6289

(n,3α)

63-Eu-139

Radionuclide Production Cross Section



112

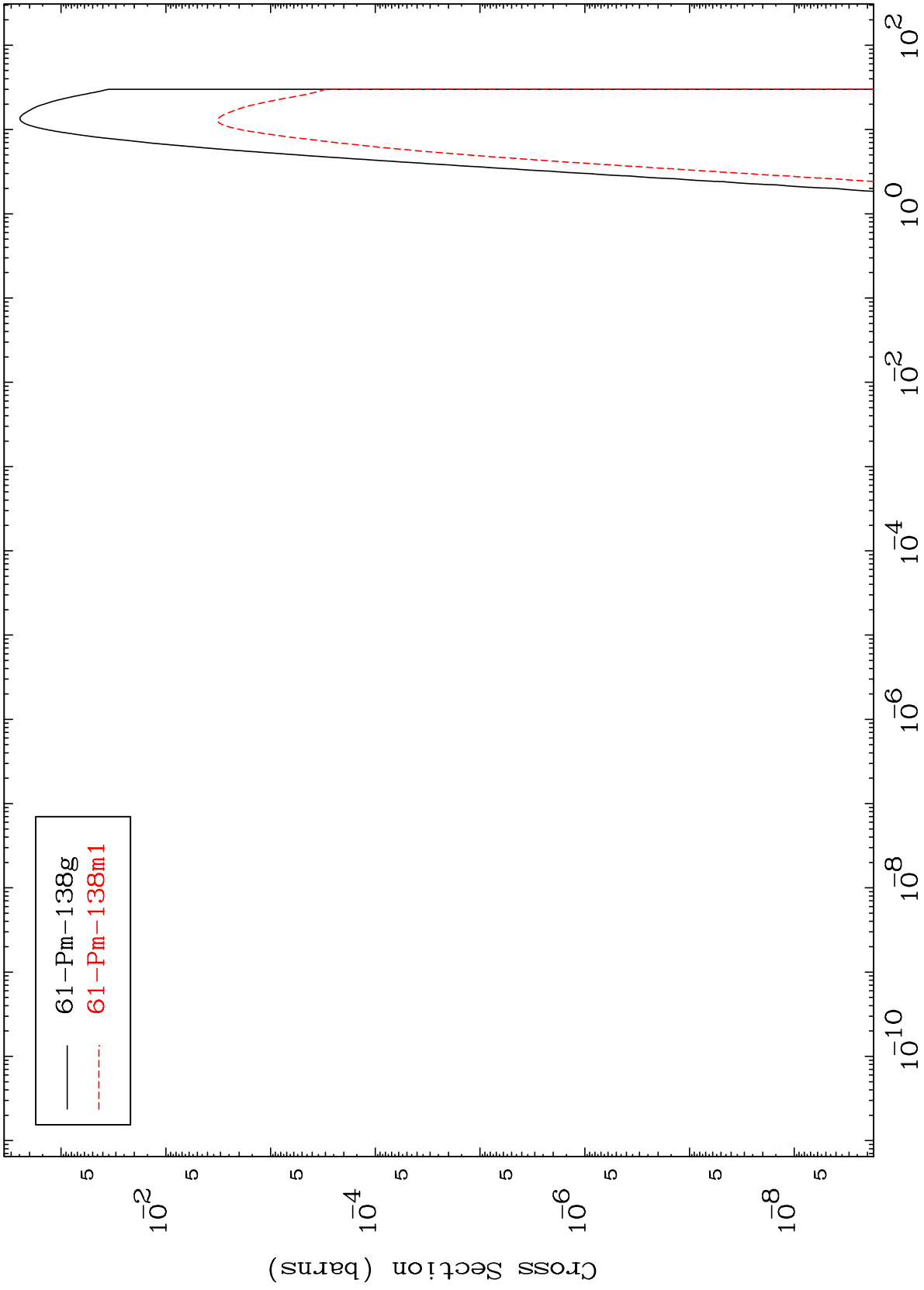
Incident Energy (MeV)

63-Eu-139

MAT 6289

Radionuclide Production Cross Section
(n,2p)

63-Eu-139



113

Incident Energy (MeV)

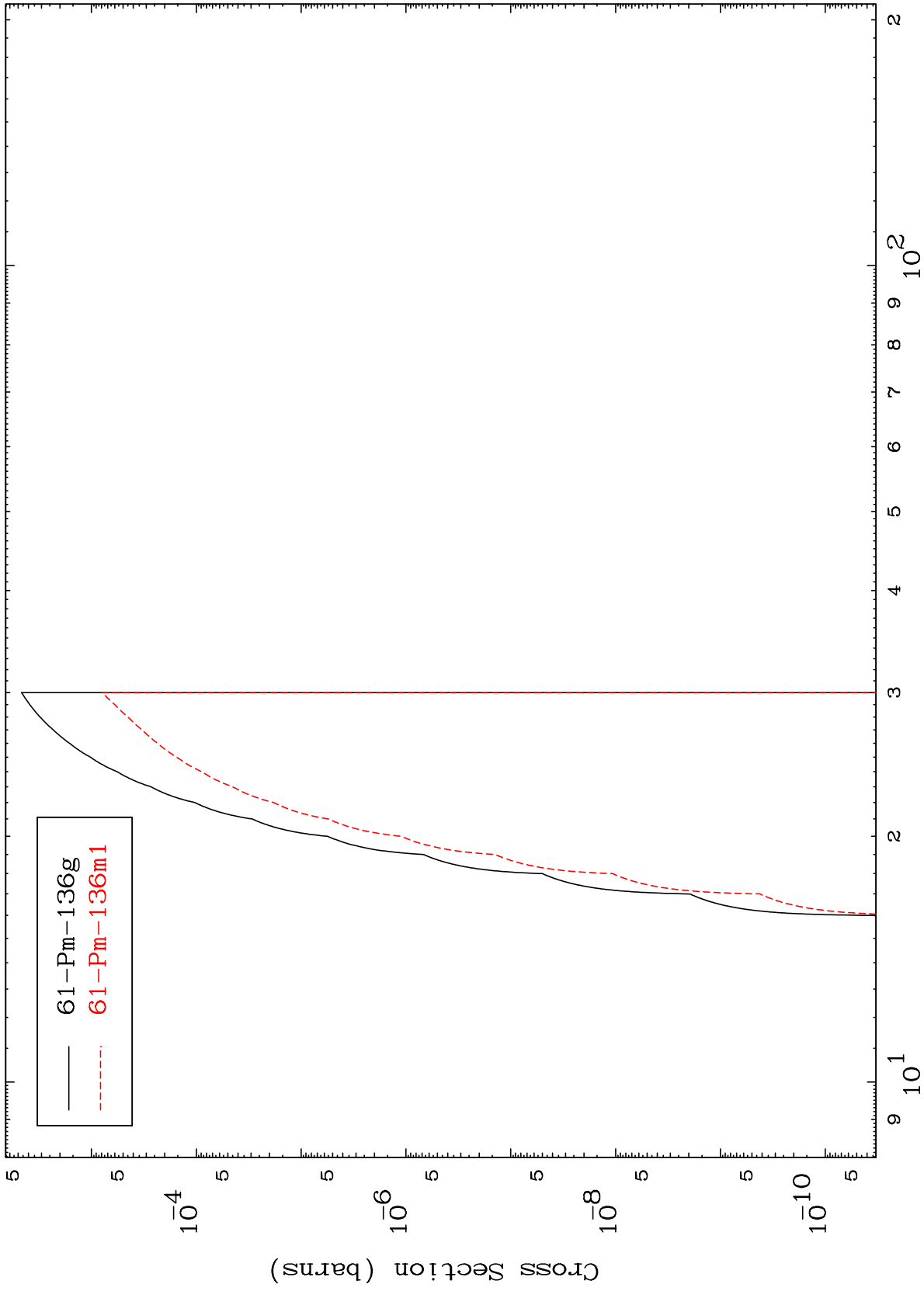
63-Eu-139

MAT 6289

(n,p) t

63-Eu-139

Radionuclide Production Cross Section



114

Incident Energy (MeV)

63-Eu-139