

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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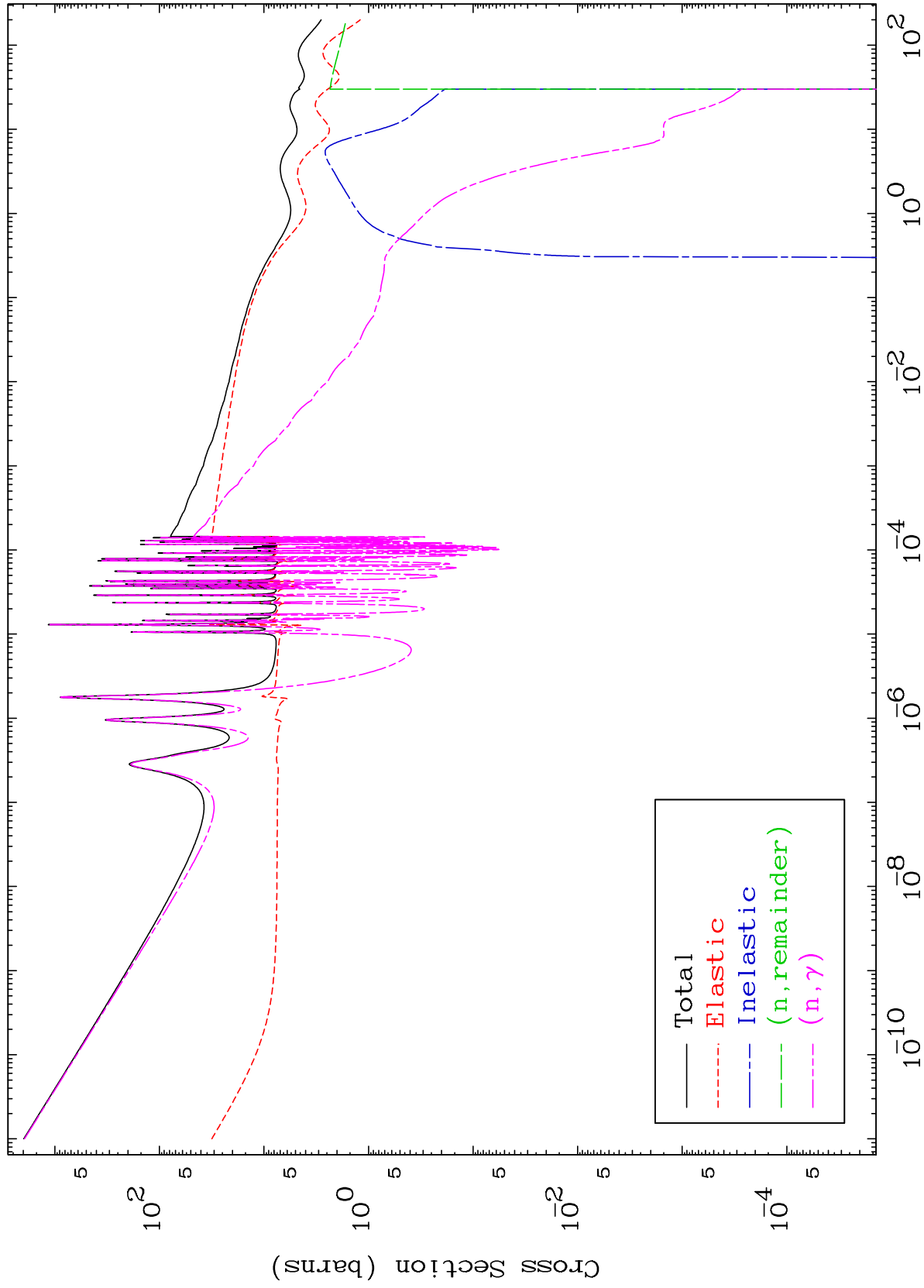
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7546

Major
293 Kelvin Cross Sections

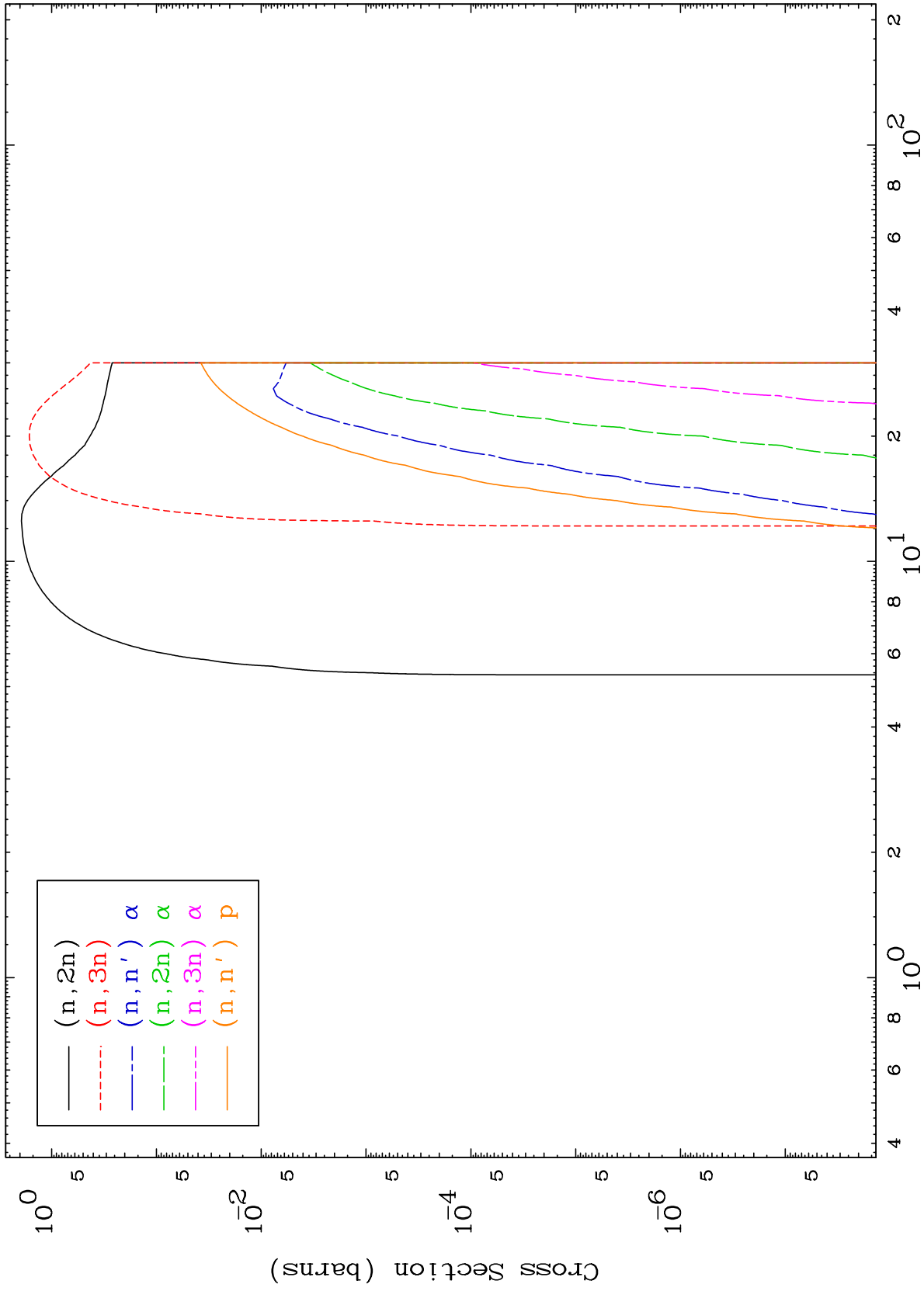
75-Re-192



MAT 7546

Neutron Production
293 Kelvin Cross Sections

75-Re-192



2

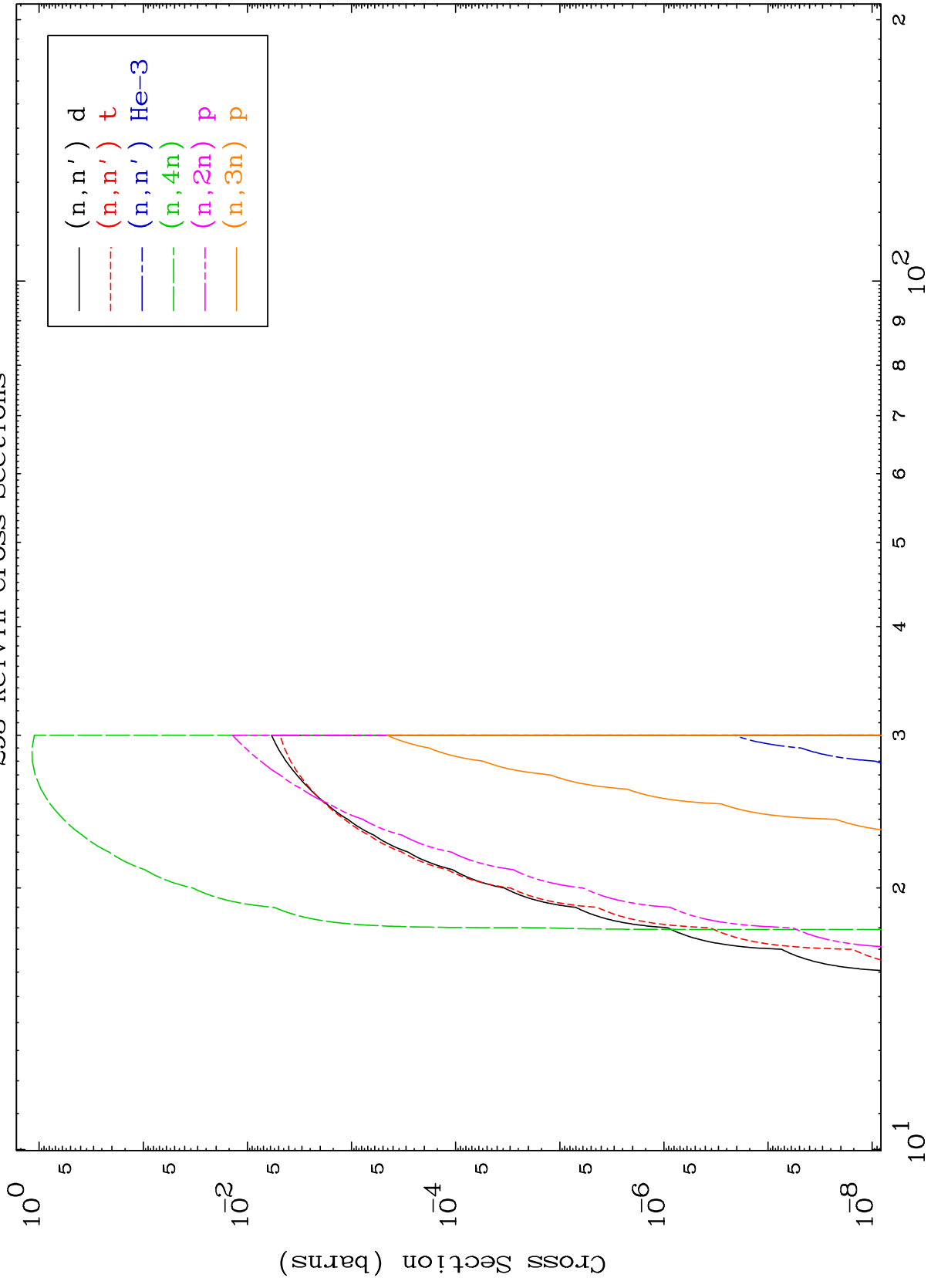
Incident Energy (MeV)

75-Re-192

MAT 7546

Neutron Production
293 Kelvin Cross Sections

75-Re-192



75-Re-192

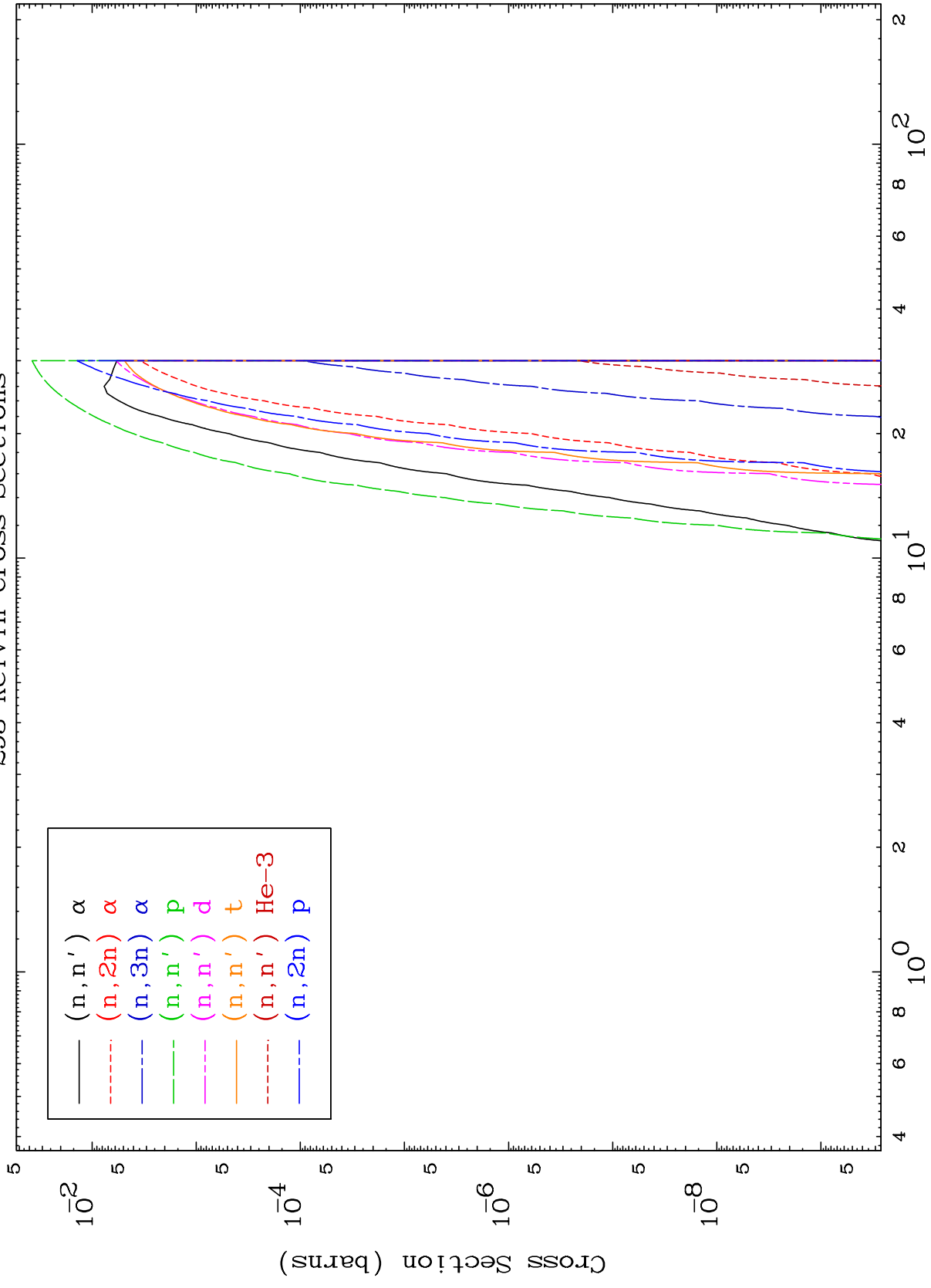
Incident Energy (MeV)

3

MAT 7546

293 Kelvin Cross Sections

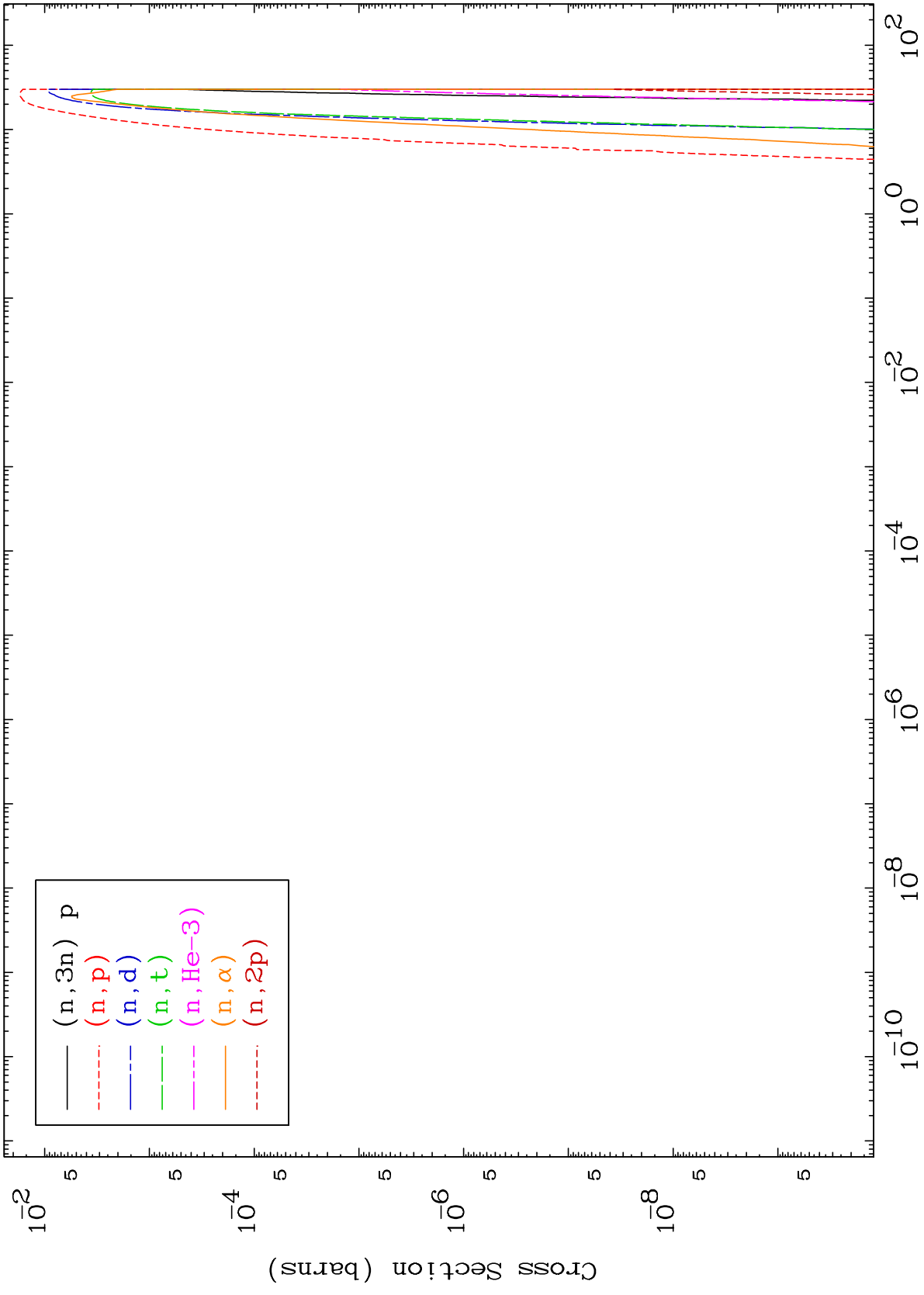
75-Re-192



MAT 7546

Charged Particle
293 Kelvin Cross Sections

75-Re-192

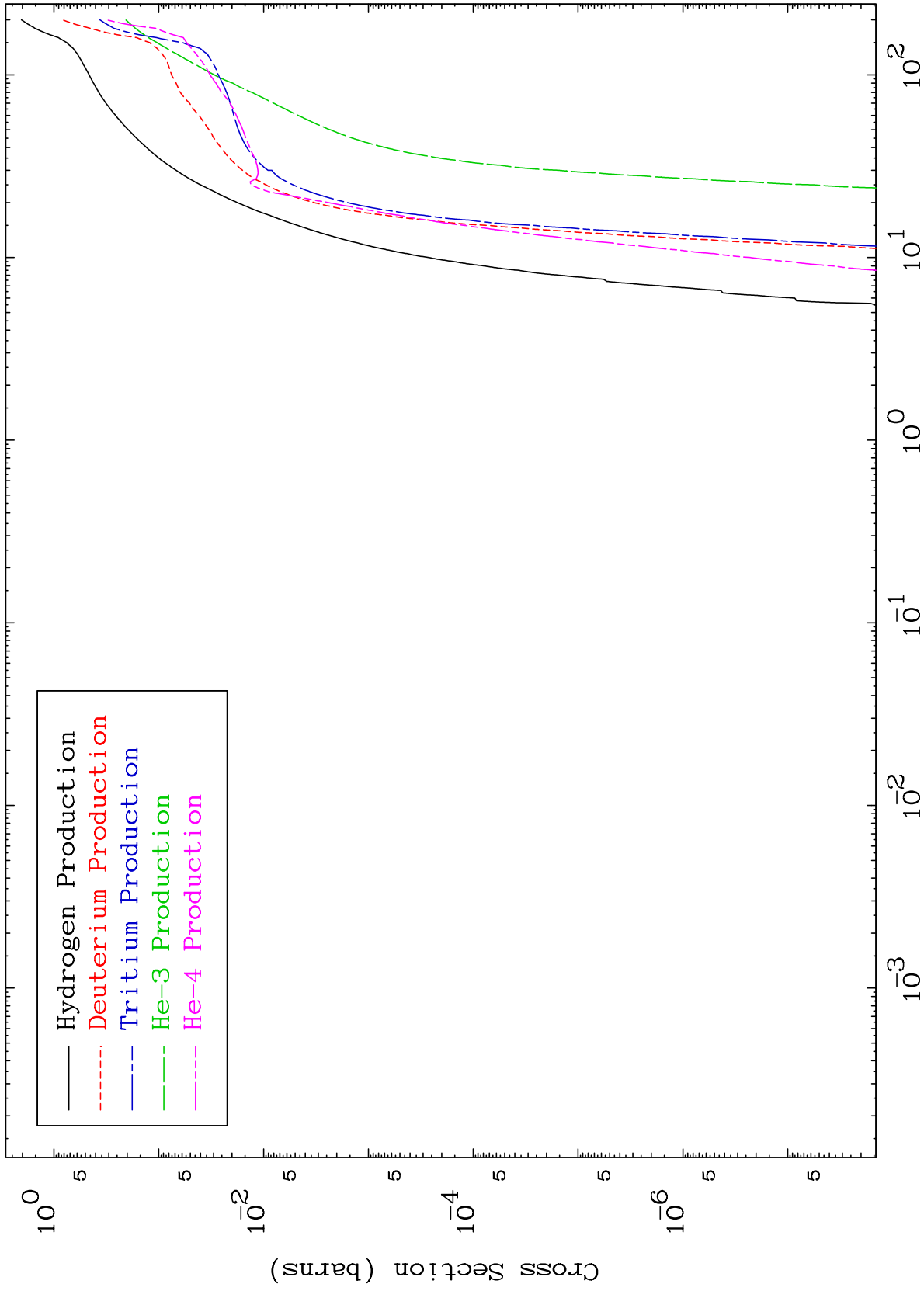


75-Re-192

MAT 7546

Particle Production
293 Kelvin Cross Sections

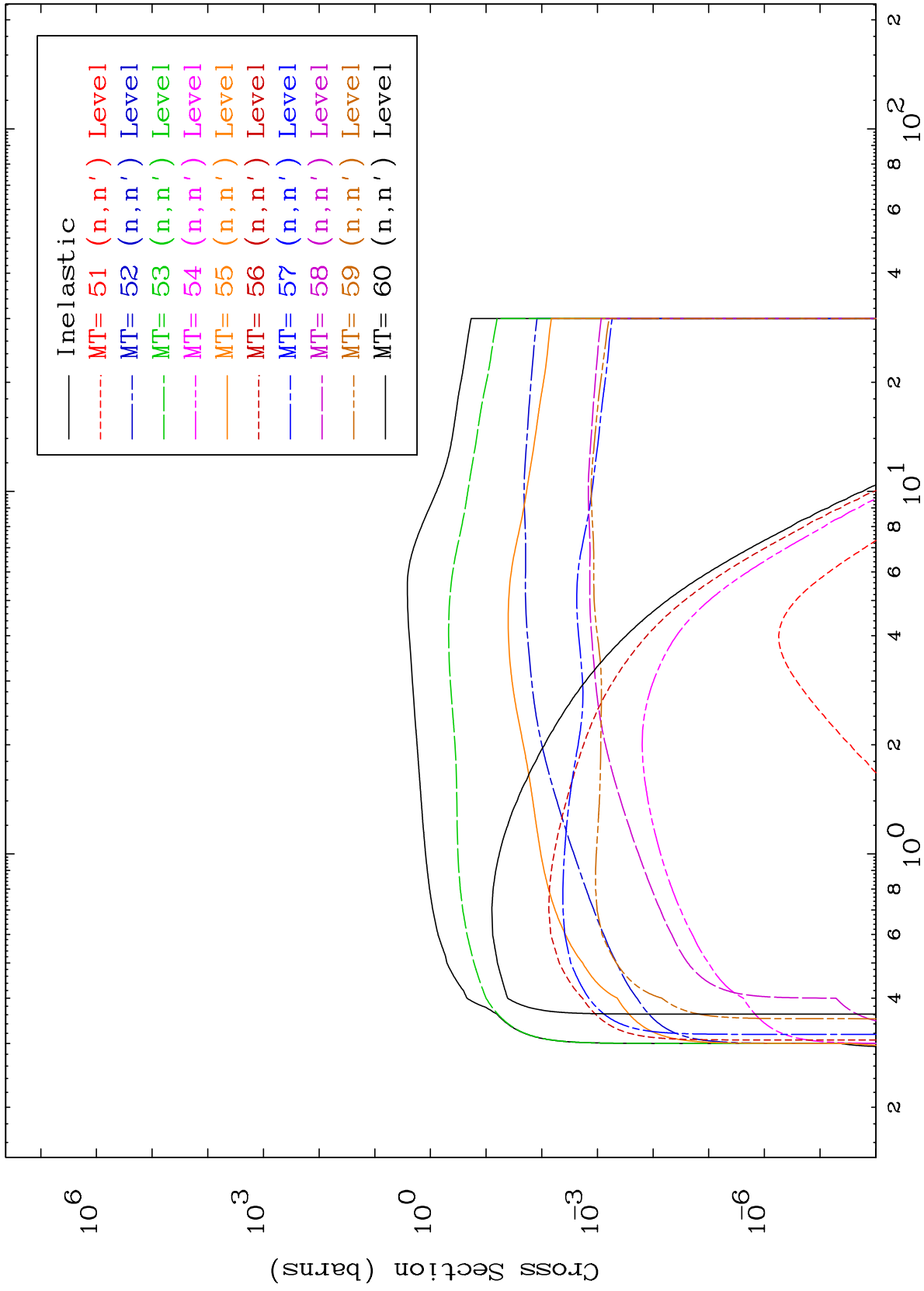
75-Re-192



MAT 7546

(n,n') Level
293 Kelvin Cross Sections

75-Re-192



7

Incident Energy (MeV)

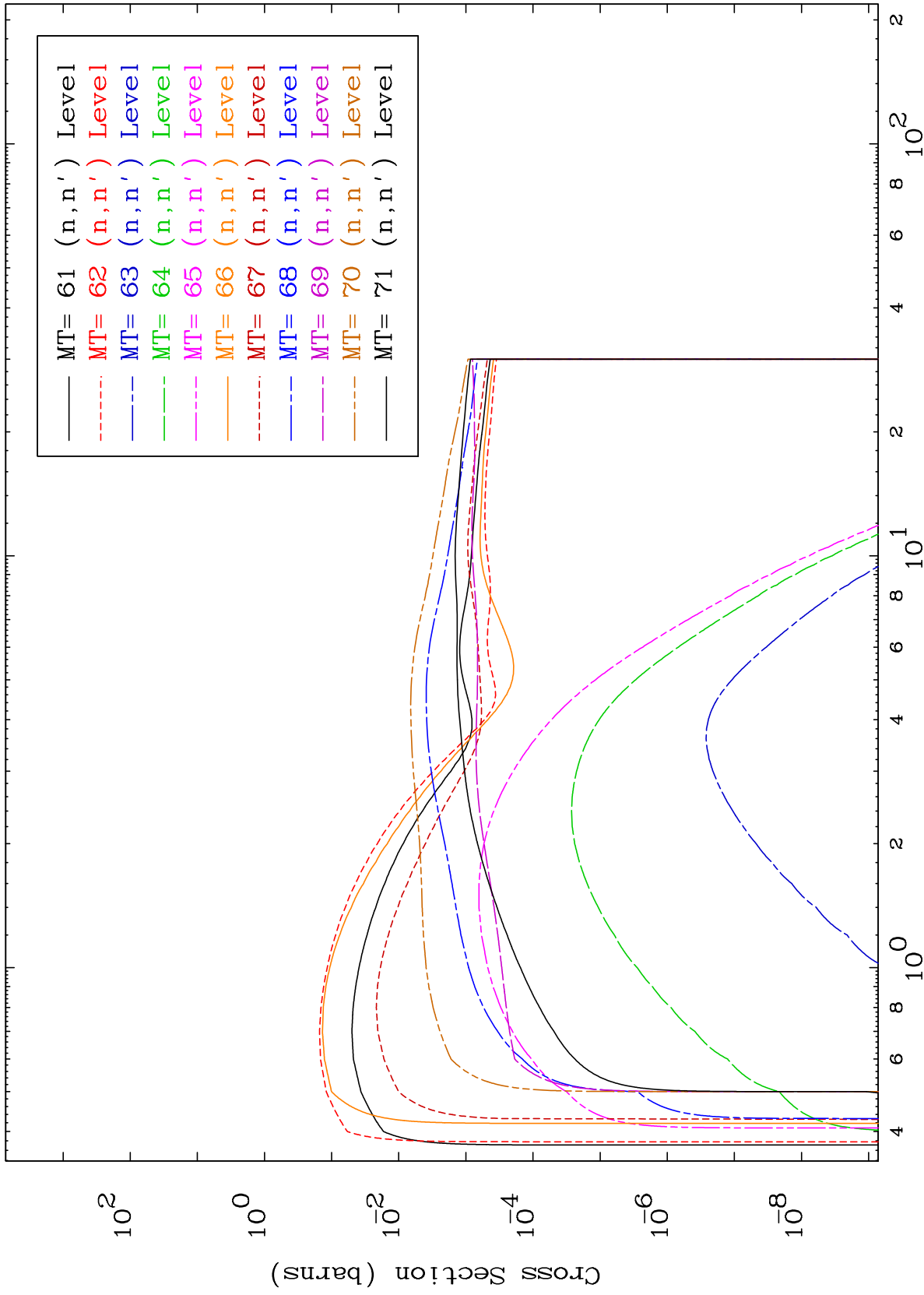
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MAT 7546

(n,n') Level

75-Re-192

293 Kelvin Cross Sections



8

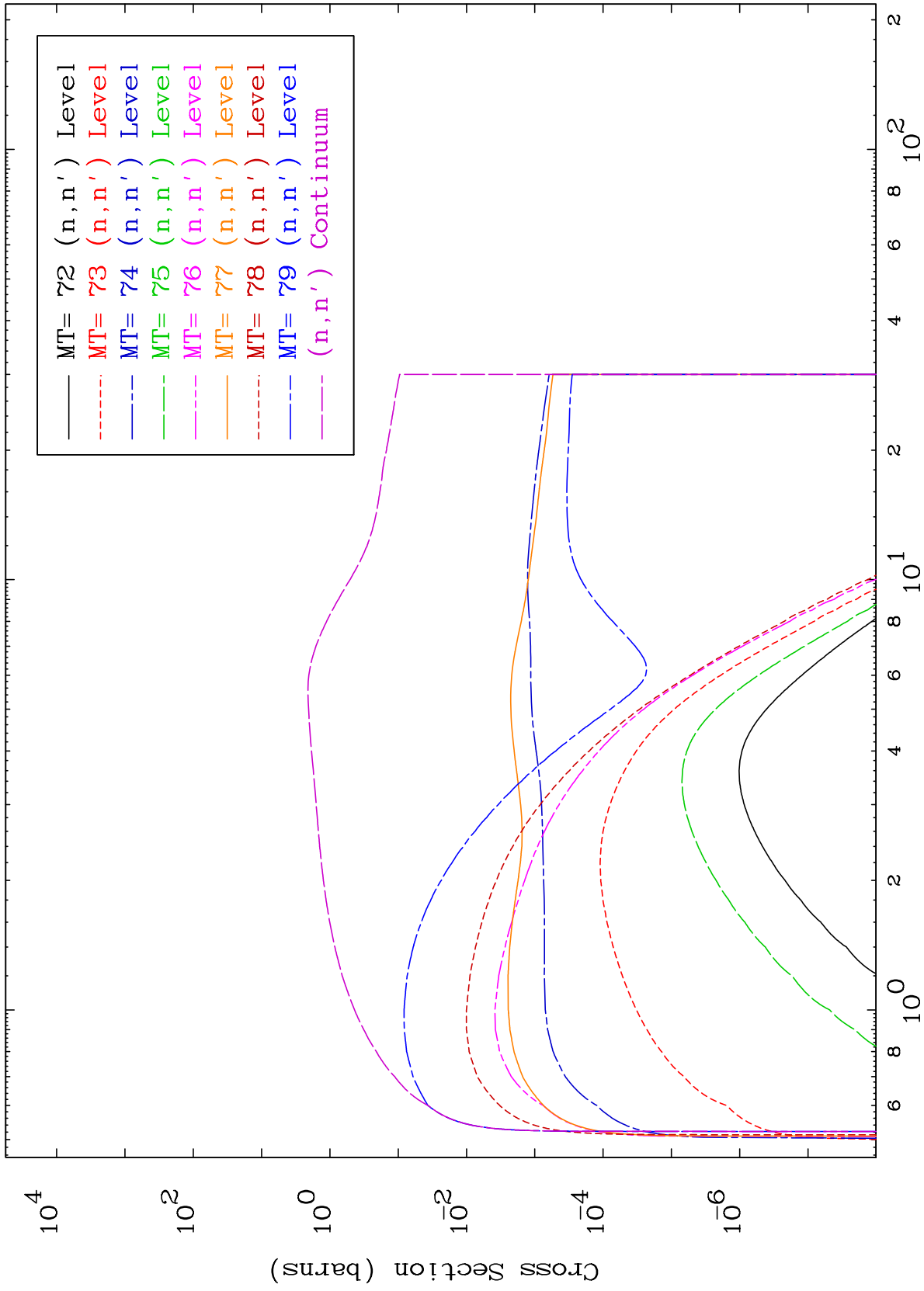
Incident Energy (MeV)

75-Re-192

MAT 7546

(n,n') Level
293 Kelvin Cross Sections

75-Re-192



9

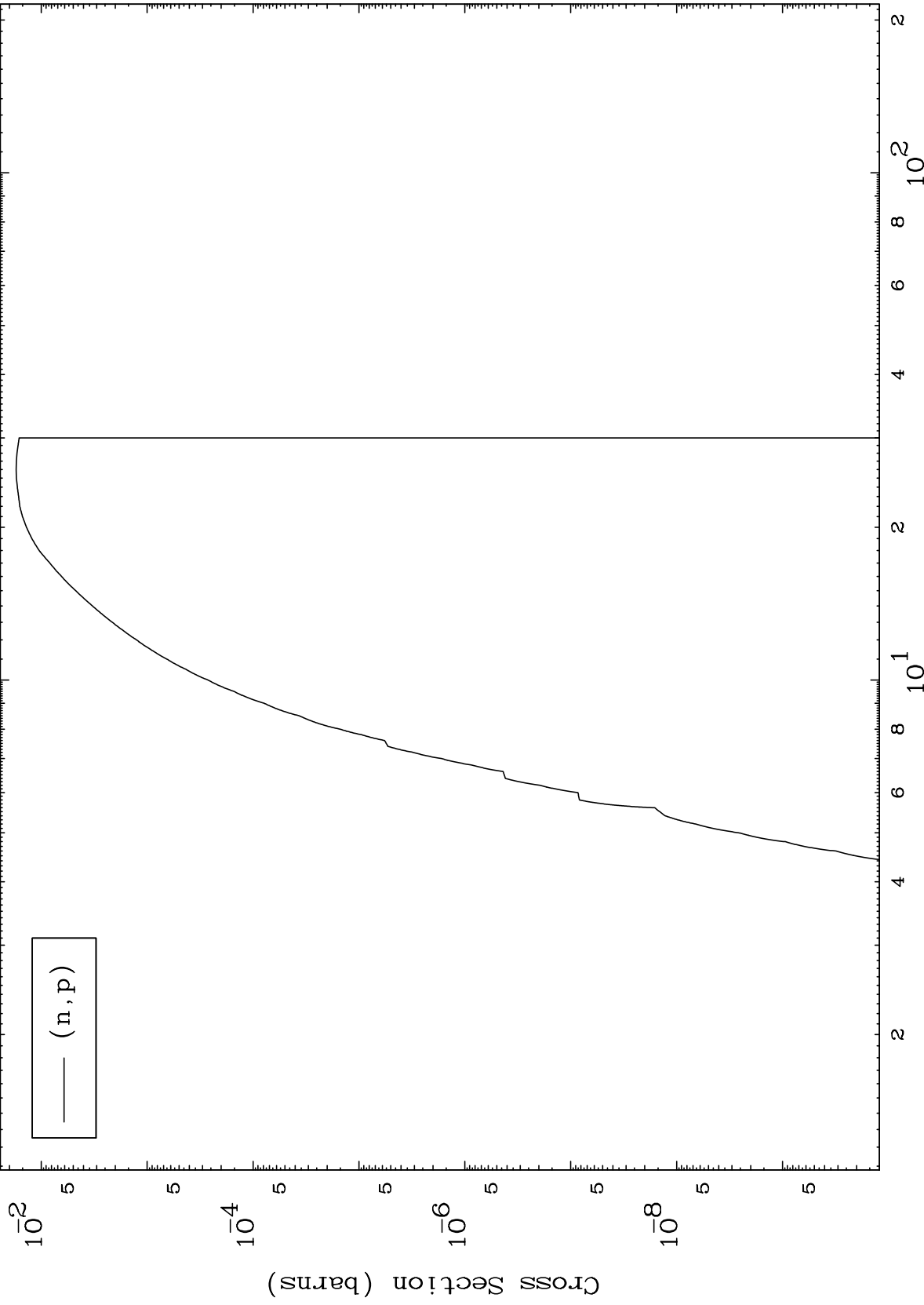
Incident Energy (MeV)

75-Re-192

MAT 7546

(n,p) Levels
293 Kelvin Cross Sections

75-Re-192



10

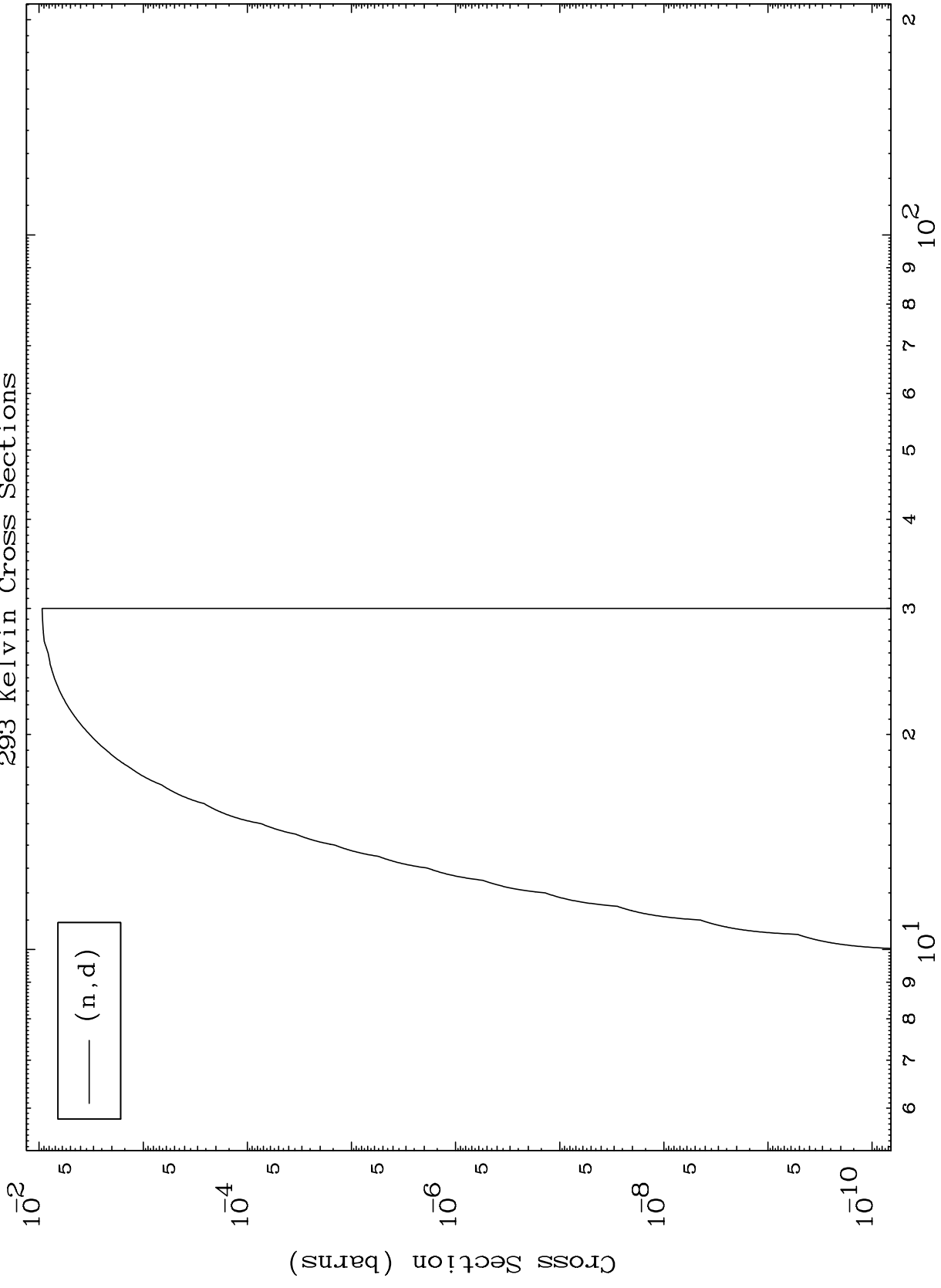
Incident Energy (MeV)

75-Re-192

MAT 7546

(n,d) Levels
293 Kelvin Cross Sections

75-Re-192



11

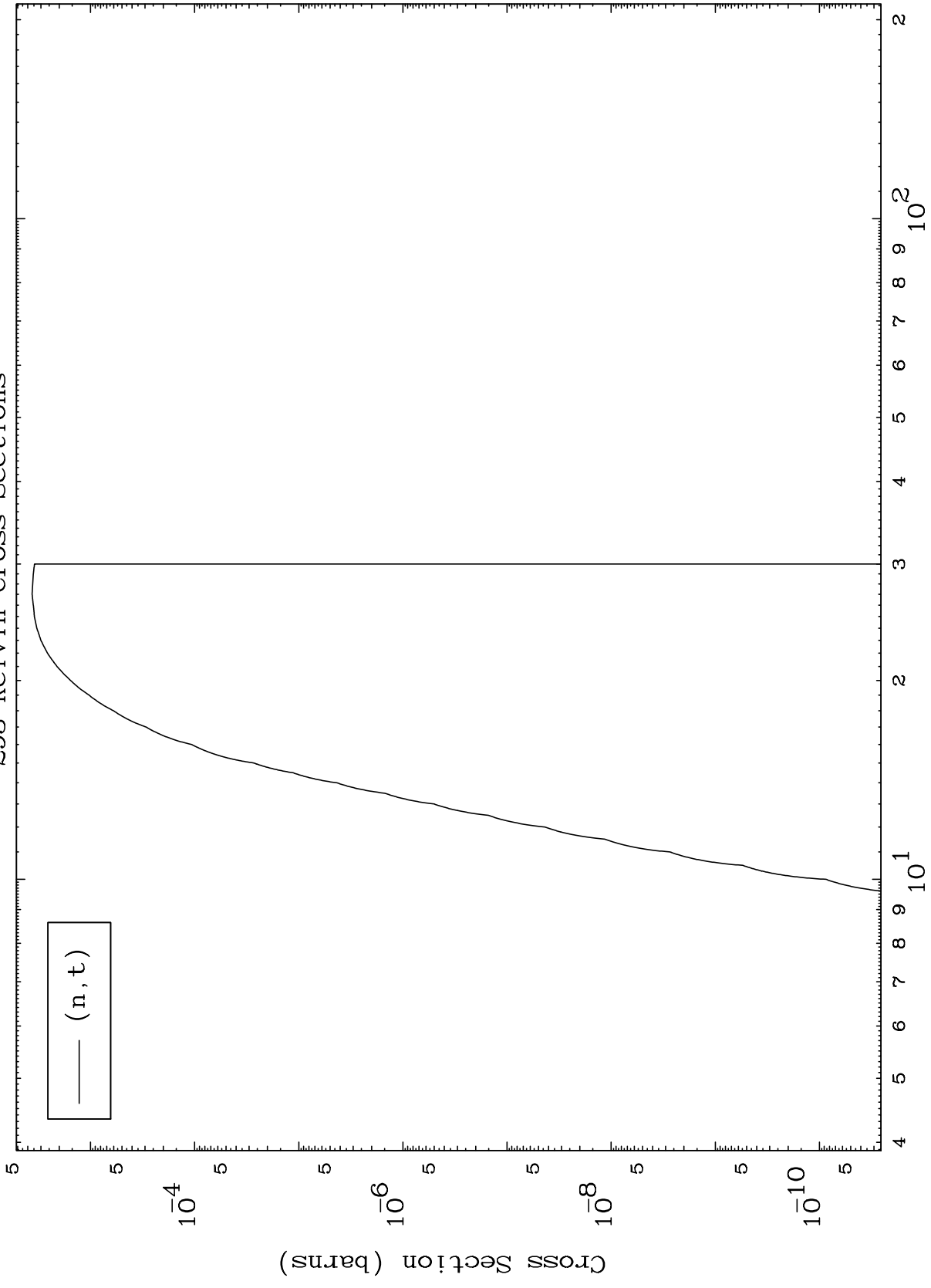
Incident Energy (MeV)

75-Re-192

MAT 7546

(n,t) Levels
293 Kelvin Cross Sections

75-Re-192



12

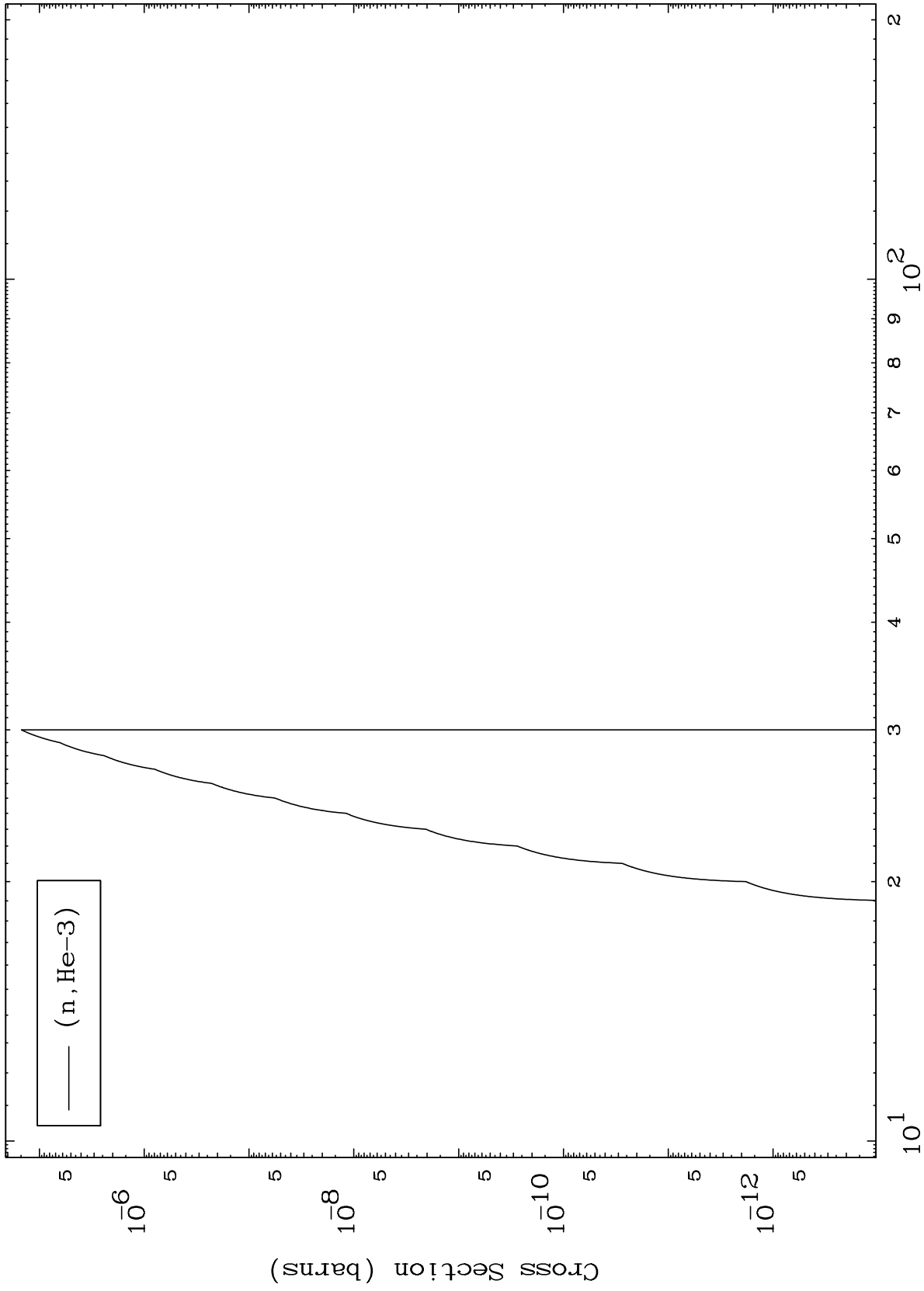
Incident Energy (MeV)

75-Re-192

MAT 7546

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-192



13

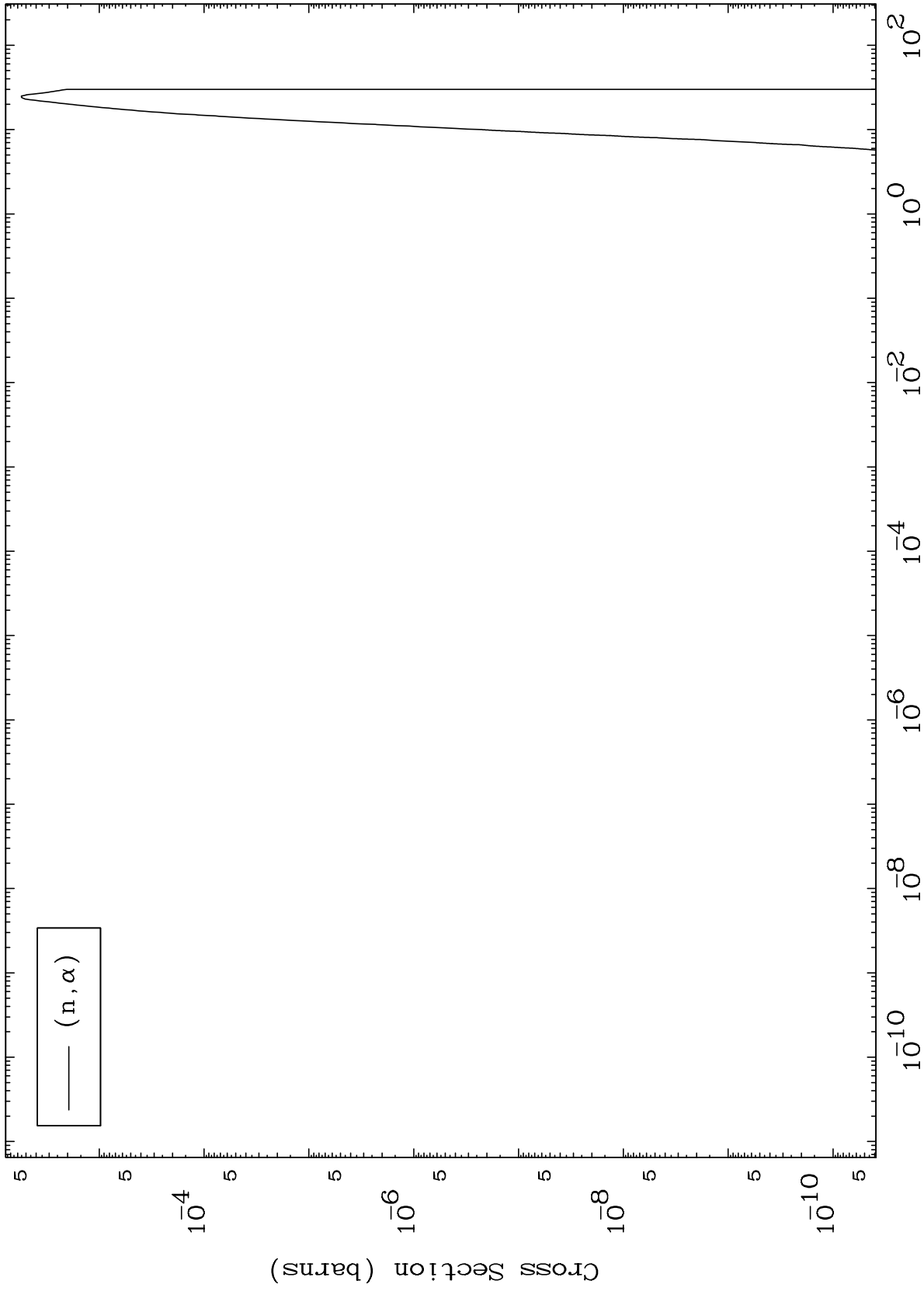
Incident Energy (MeV)

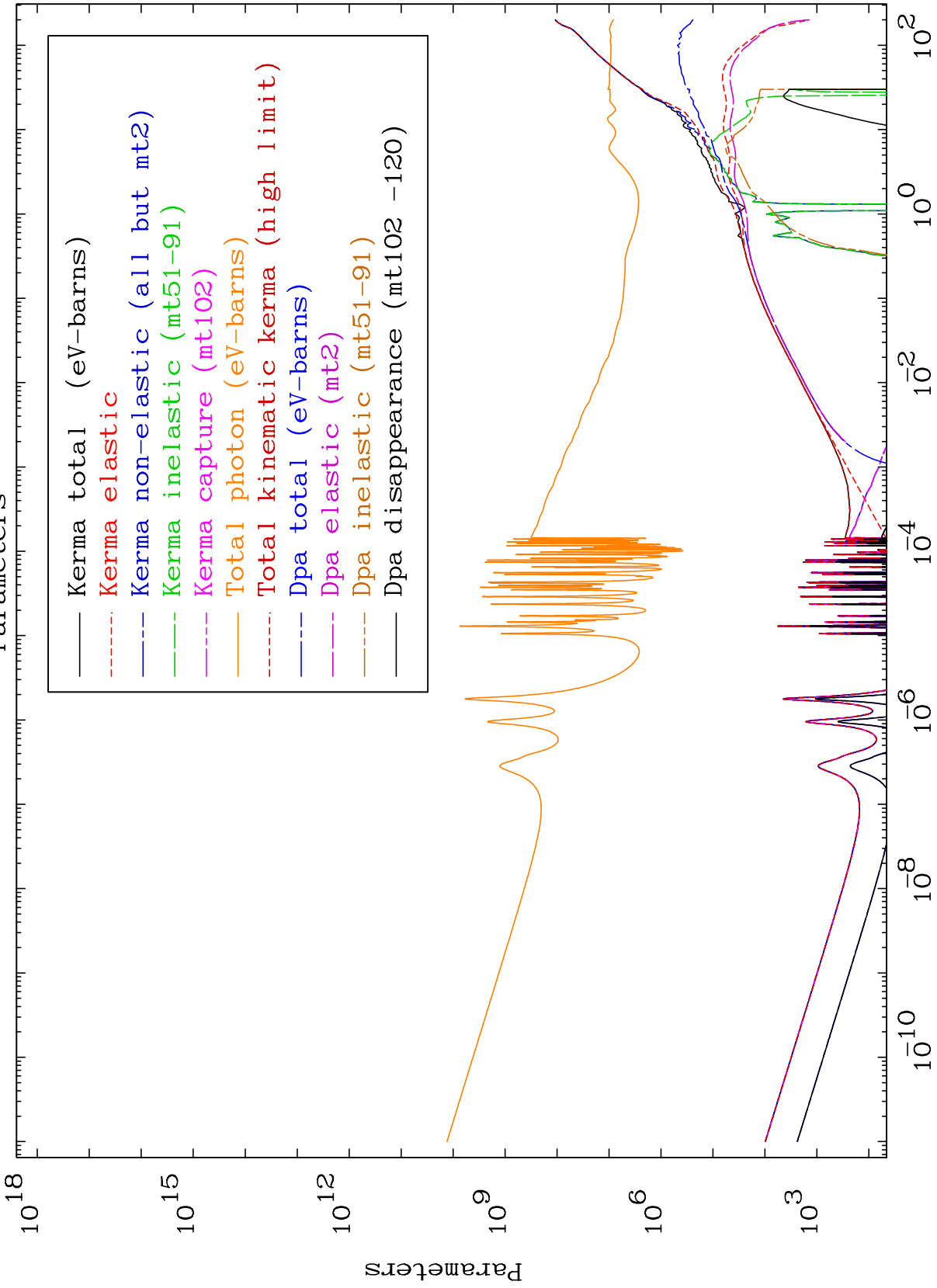
75-Re-192

MAT 7546

(n,α) Levels
293 Kelvin Cross Sections

75-Re-192

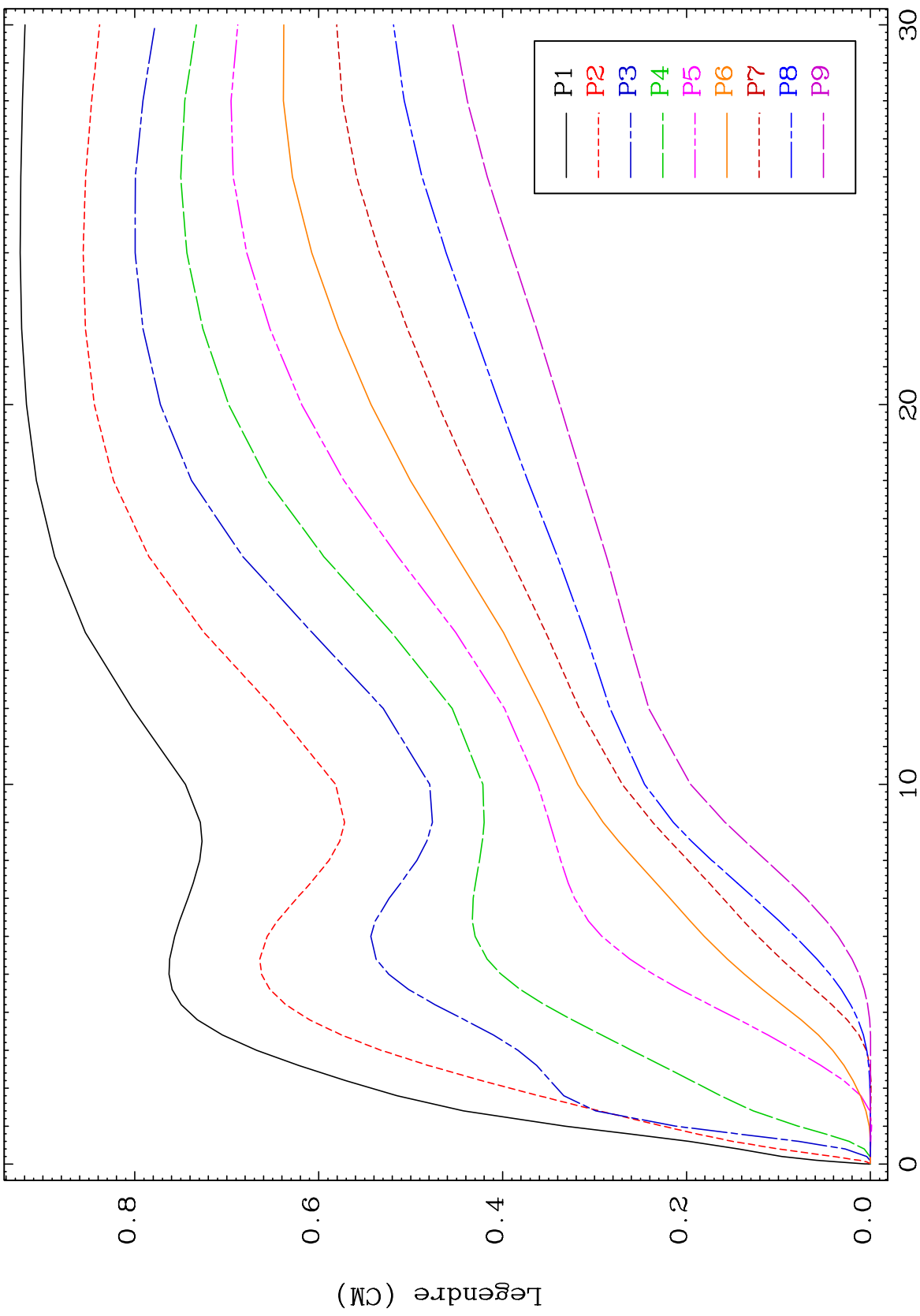




MAT 7546

Elastic Legendre Coefficients

75-Re-192



16

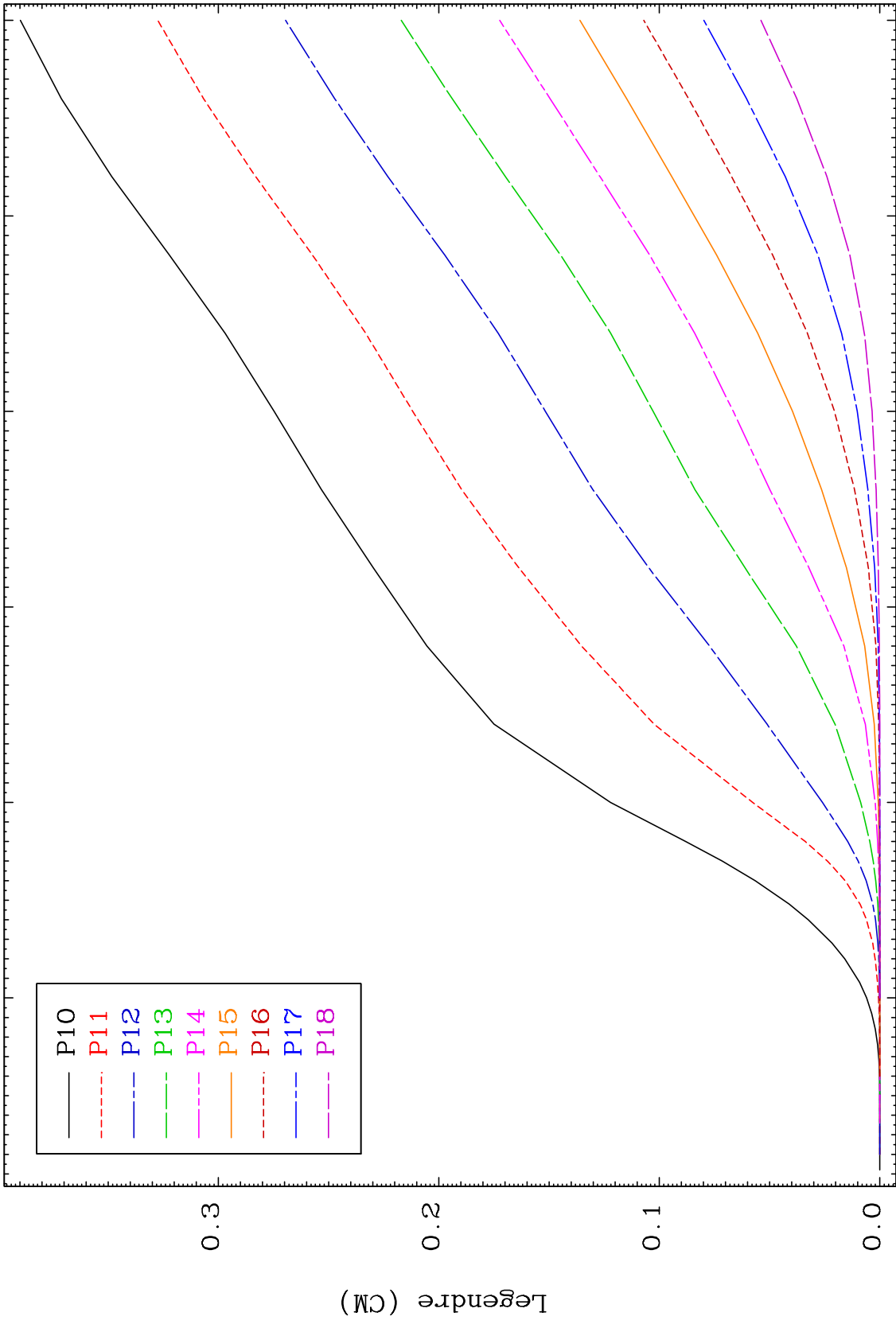
Incident Energy (MeV)

75-Re-192

MAT 7546

Elastic Legendre Coefficients

75-Re-192



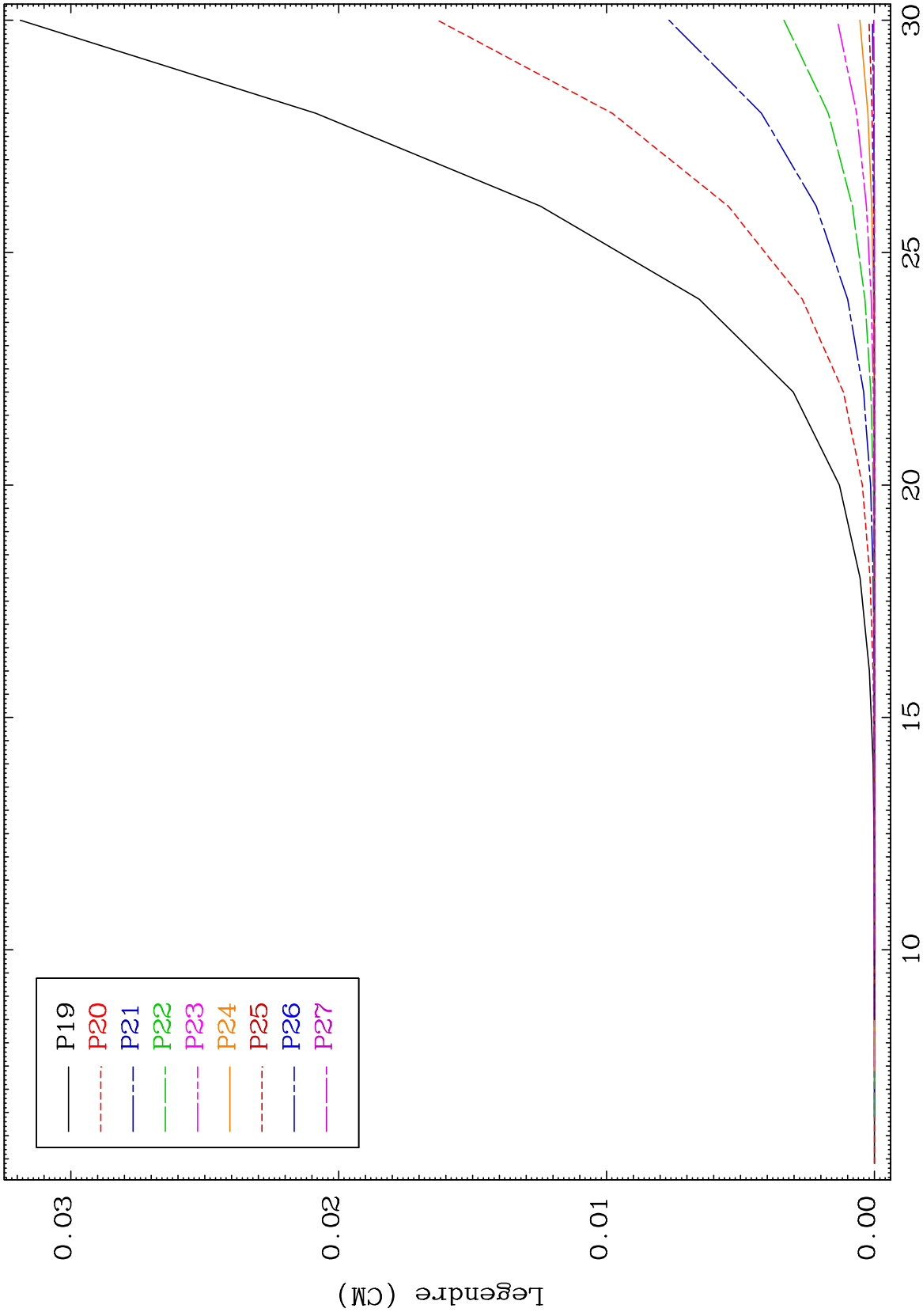
17

75-Re-192

MAT 7546

Elastic Legendre Coefficients

75-Re-192



18

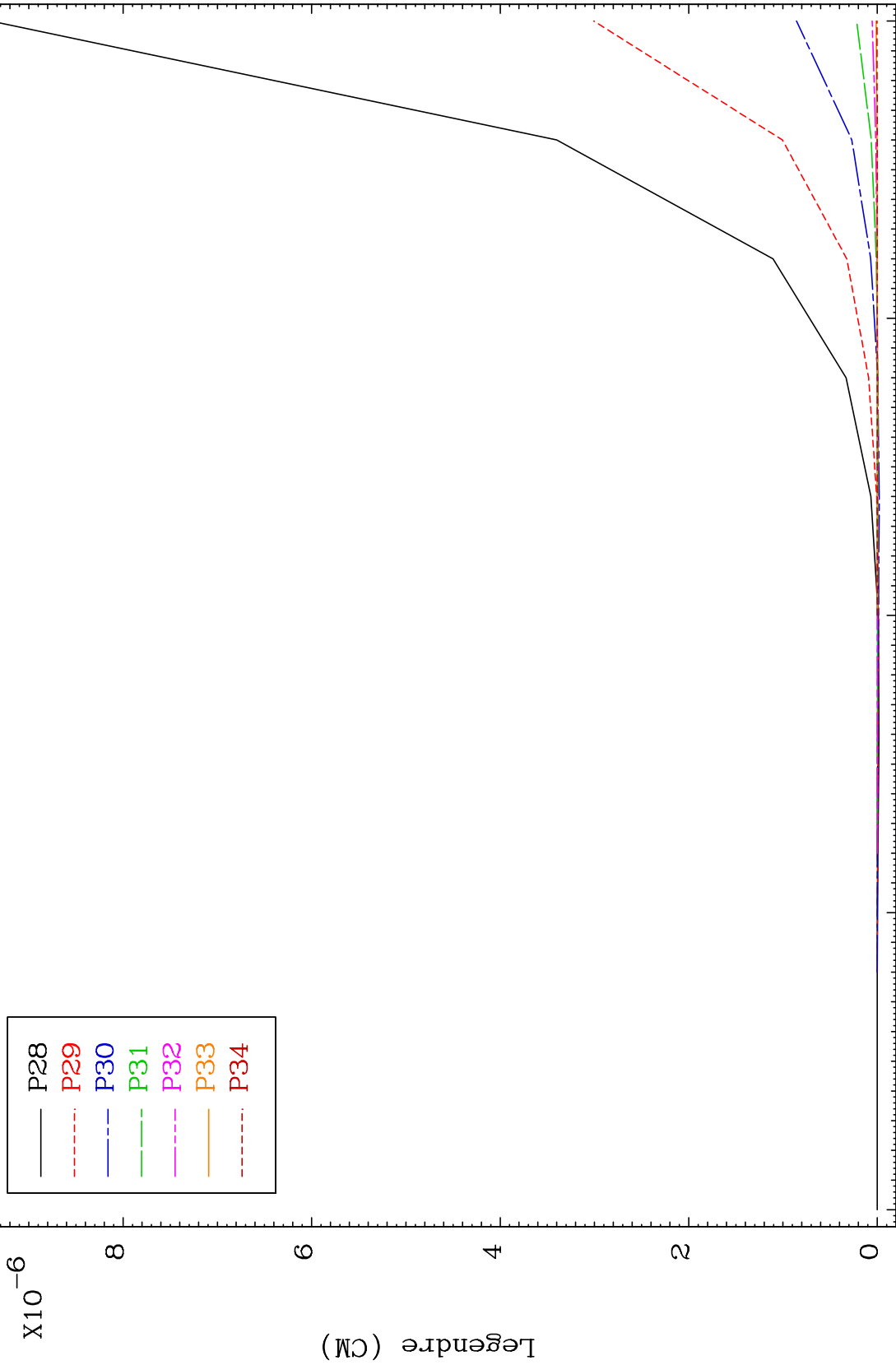
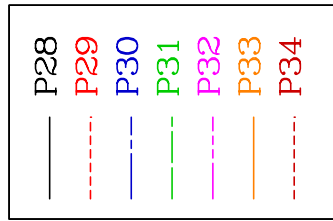
Incident Energy (MeV)

75-Re-192

MAT 7546

Elastic Legendre Coefficients

75-Re-192



19

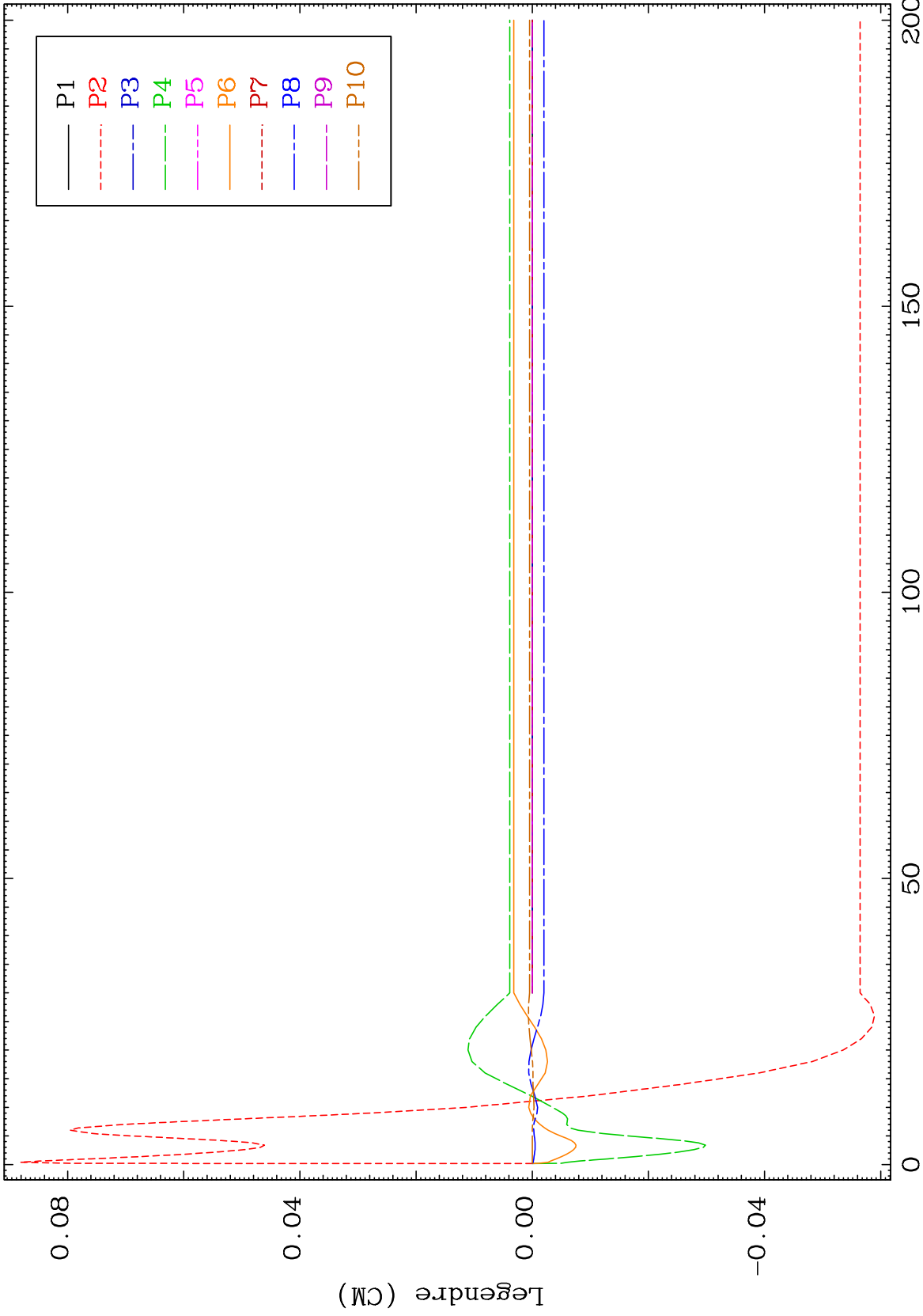
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



75-Re-192

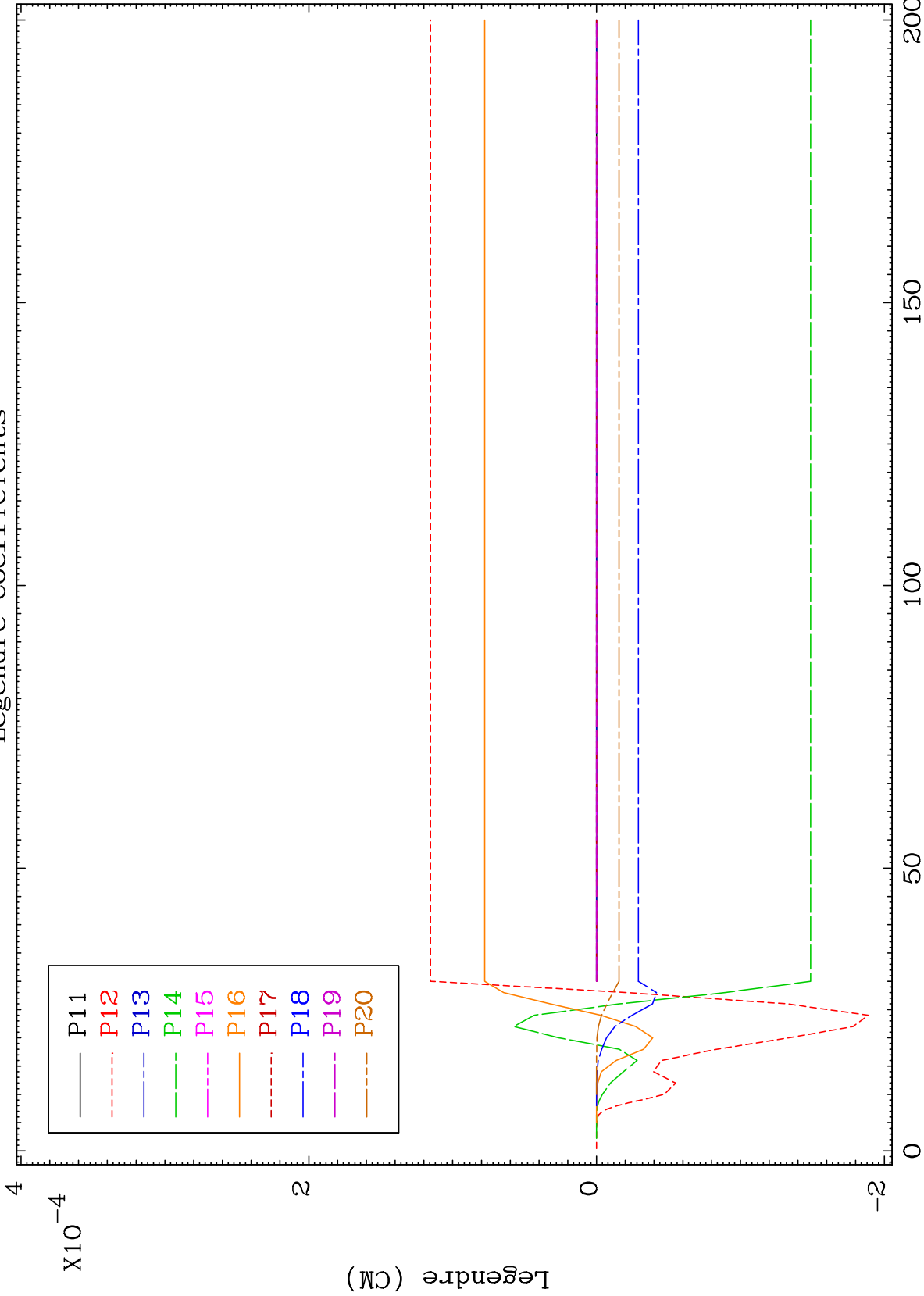
Incident Energy (MeV)

20

MAT 7546

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

75-Re-192



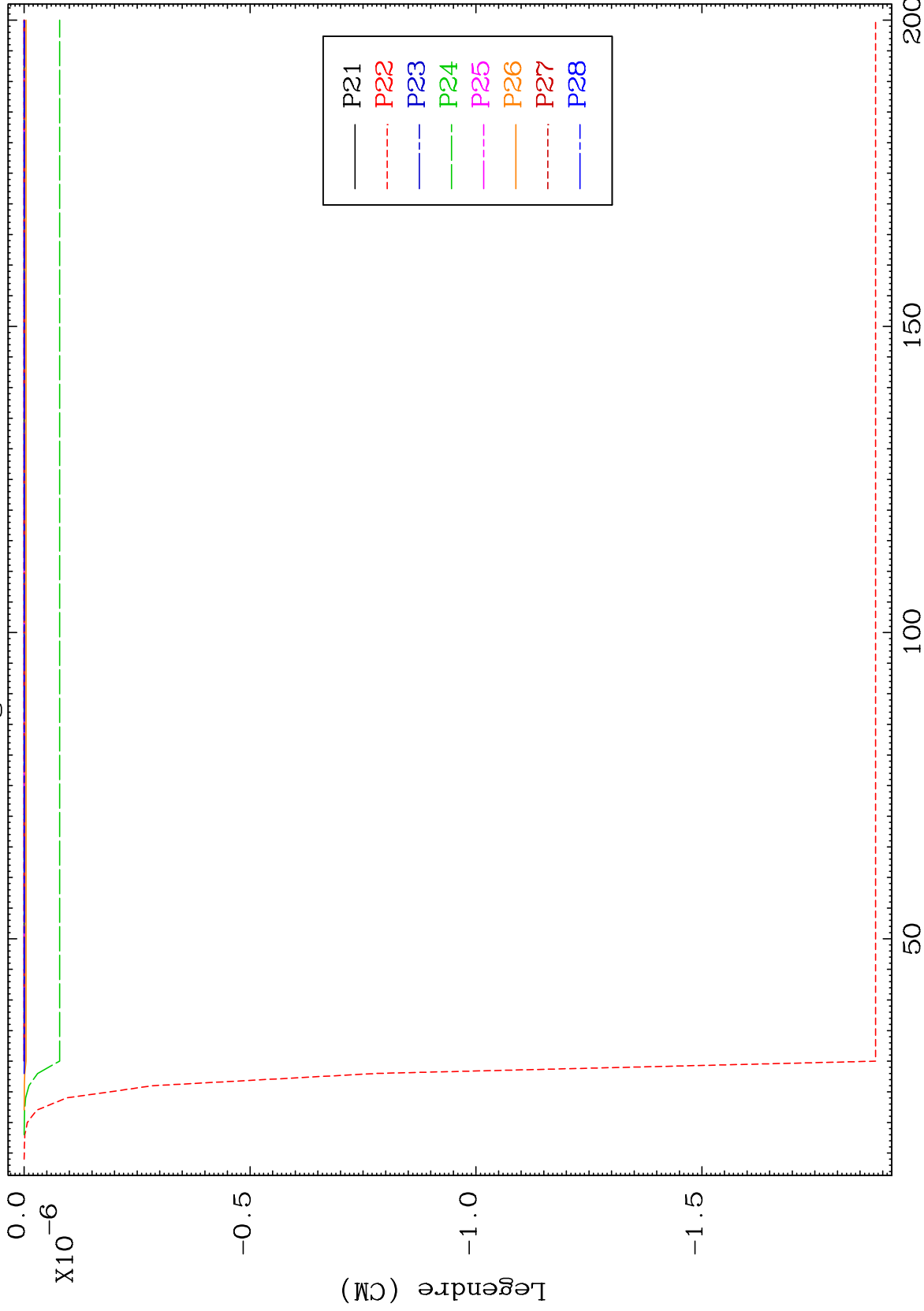
21

Incident Energy (MeV)

75-Re-192

MAT 7546 MT= 51 (n,n') Level 75-Re-192

Legendre Coefficients



75-Re-192

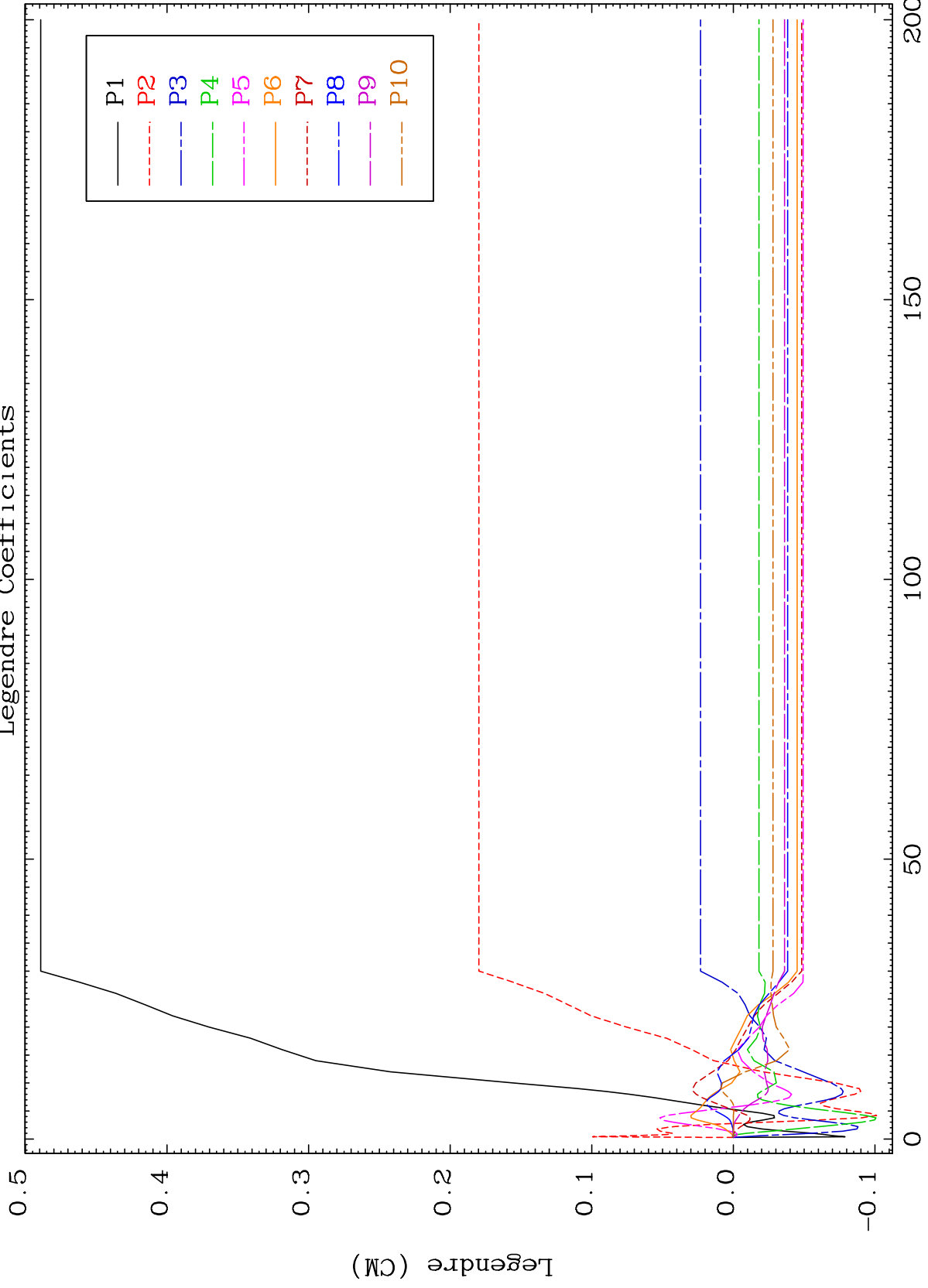
Incident Energy (MeV)

22

MAT 7546

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

75-Re-192



23

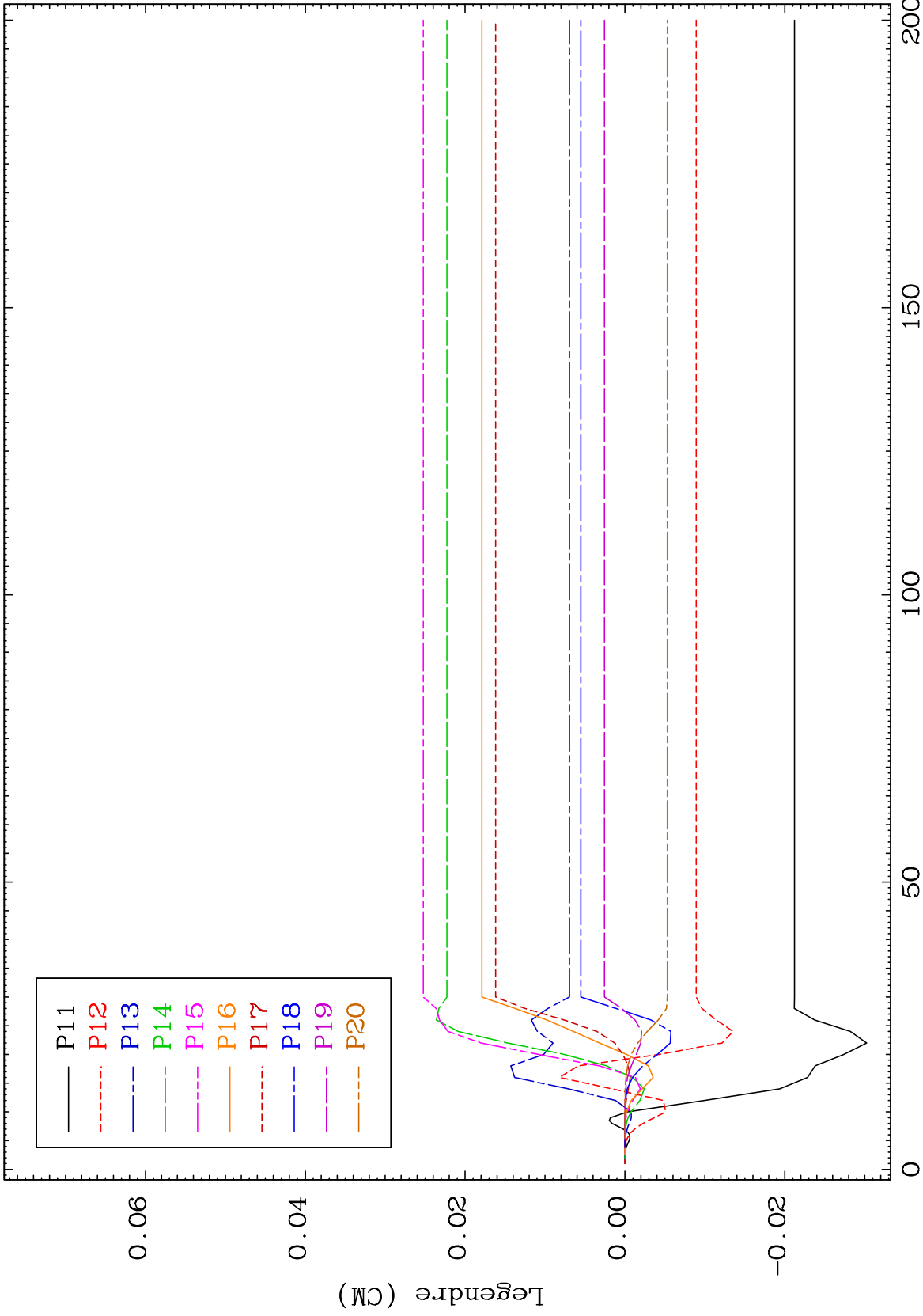
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



24

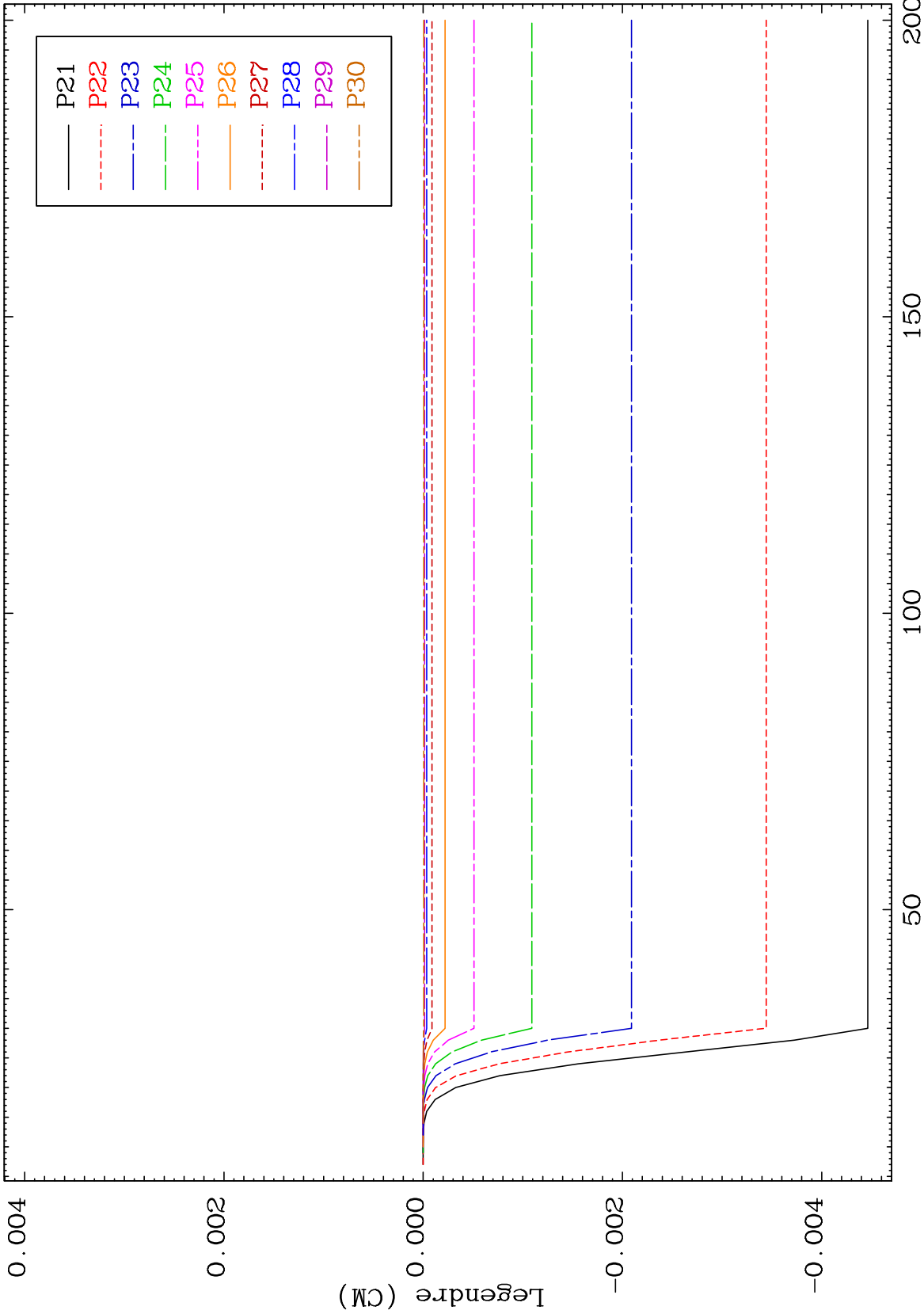
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192

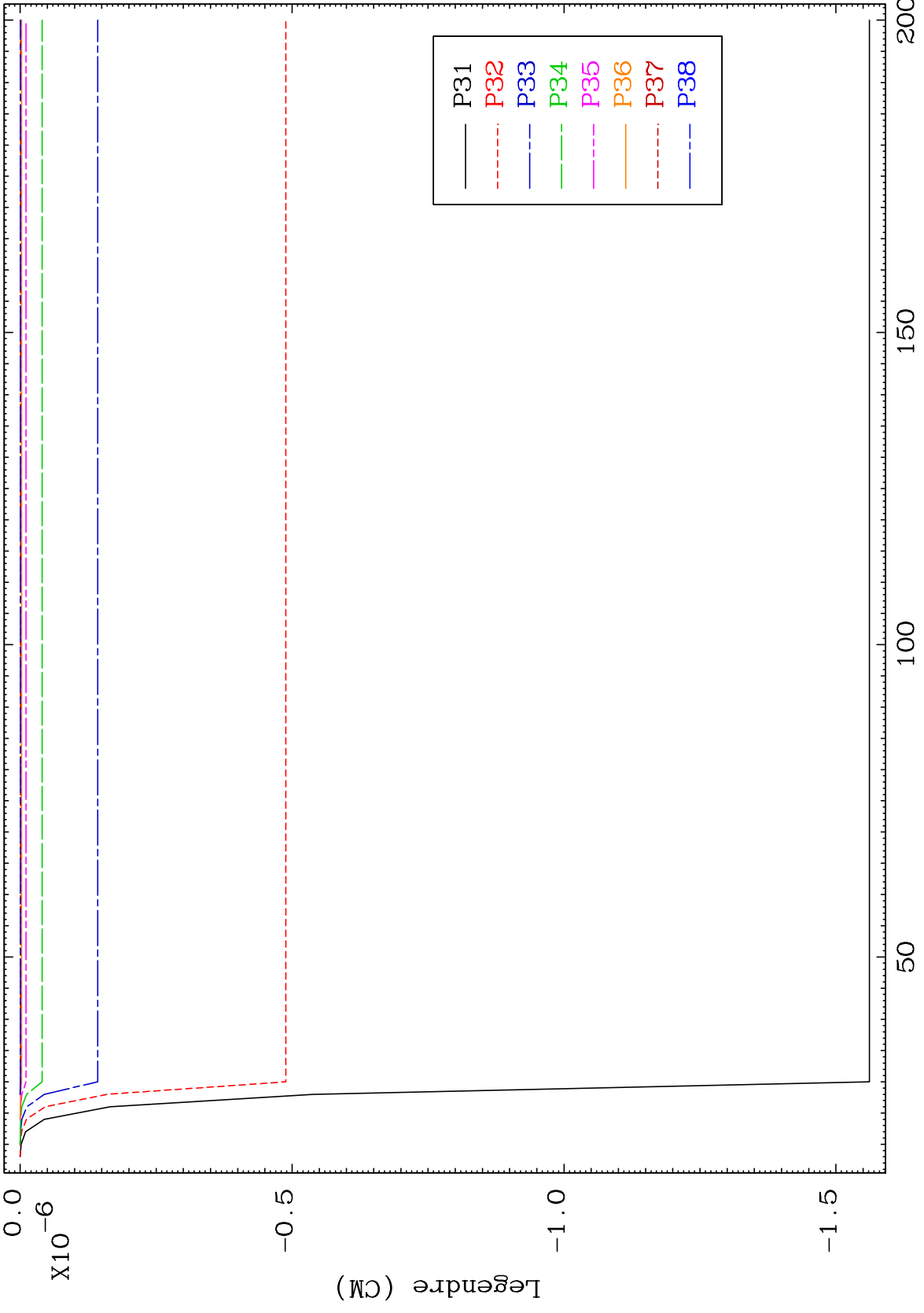


25

Incident Energy (MeV)

75-Re-192

MAT 7546 MT= 52 (n,n') Level Legendre Coefficients 75-Re-192

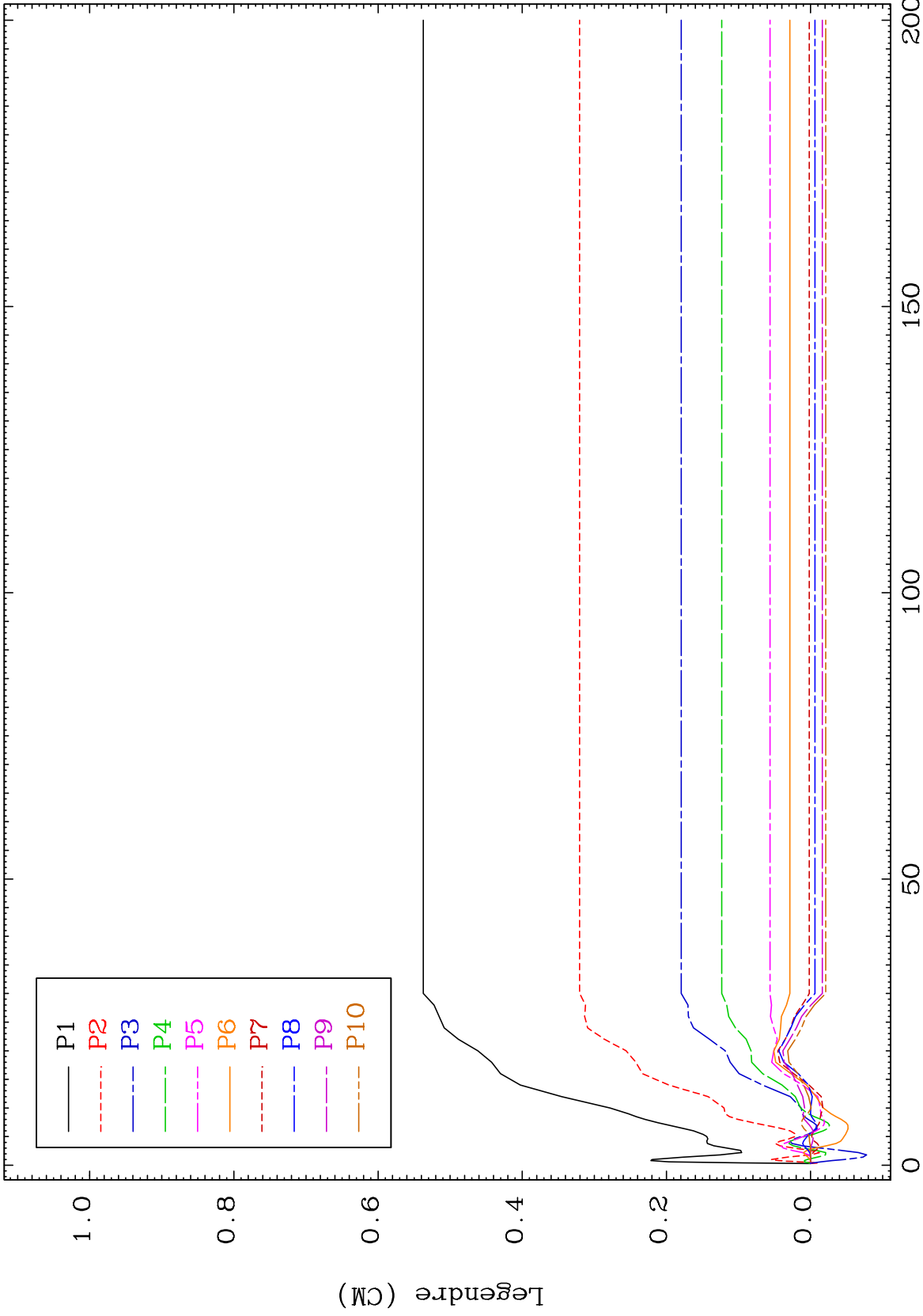


26 Incident Energy (MeV) 75-Re-192

MAT 7546

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

75-Re-192



27

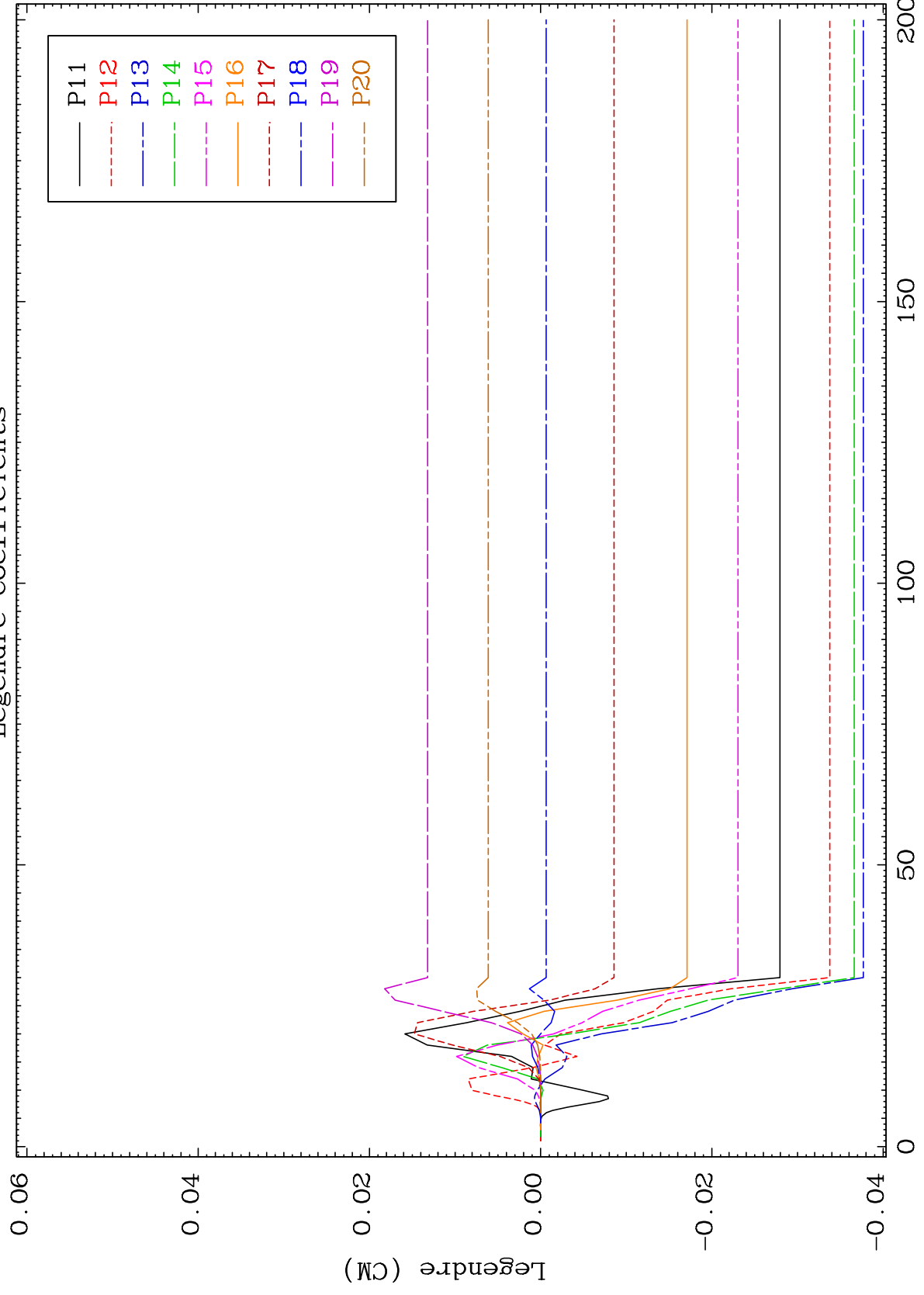
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



28

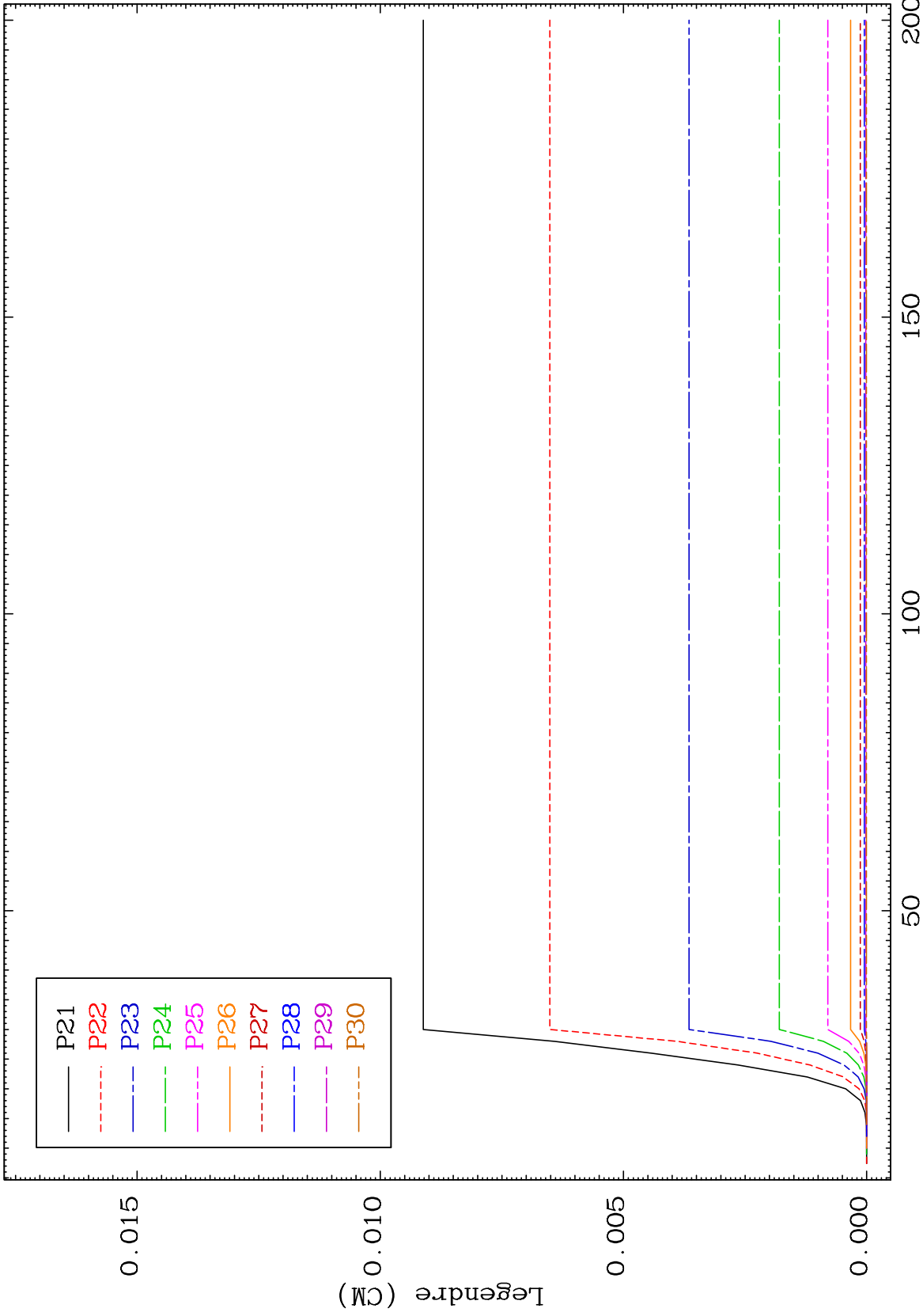
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



29

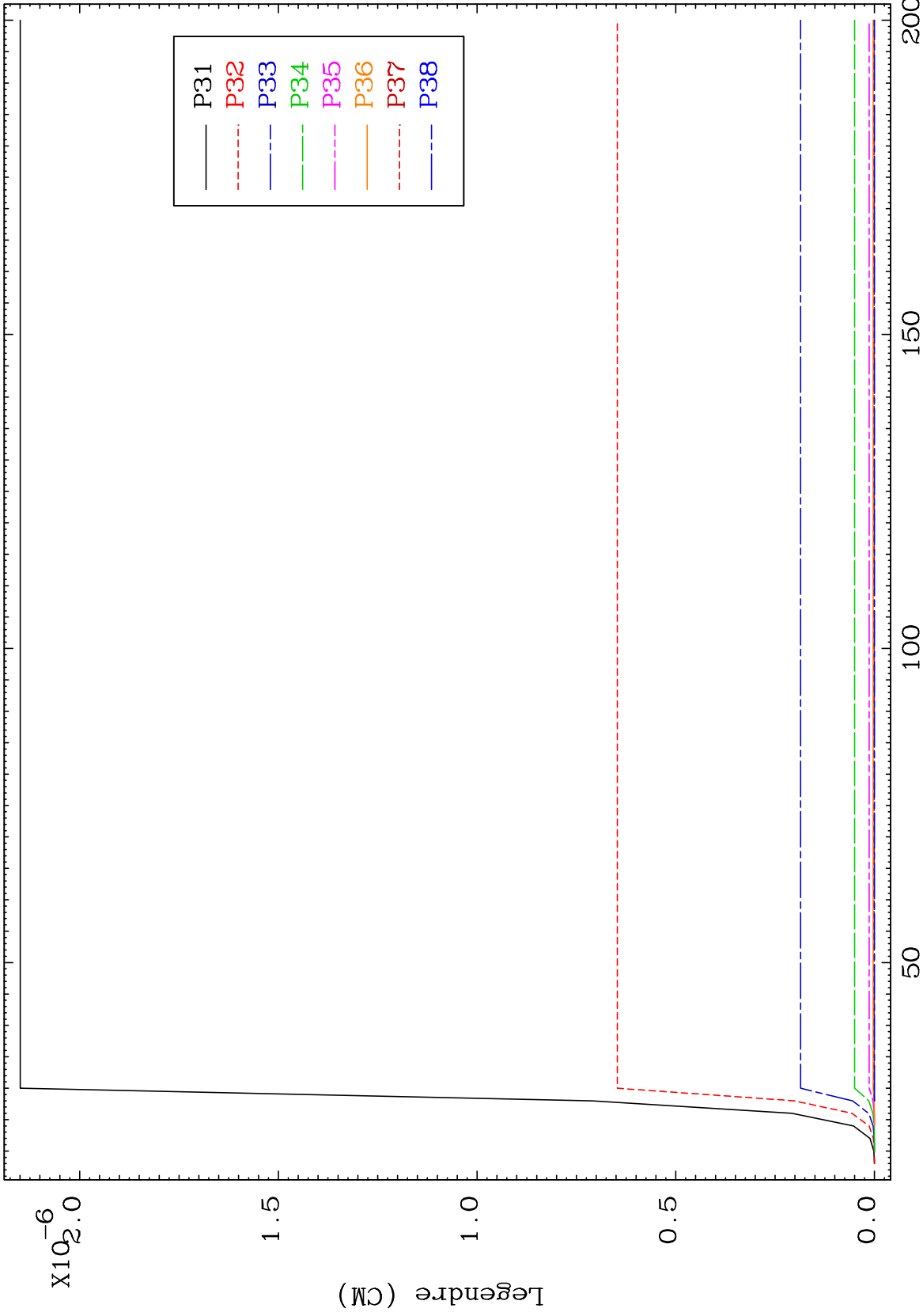
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



30

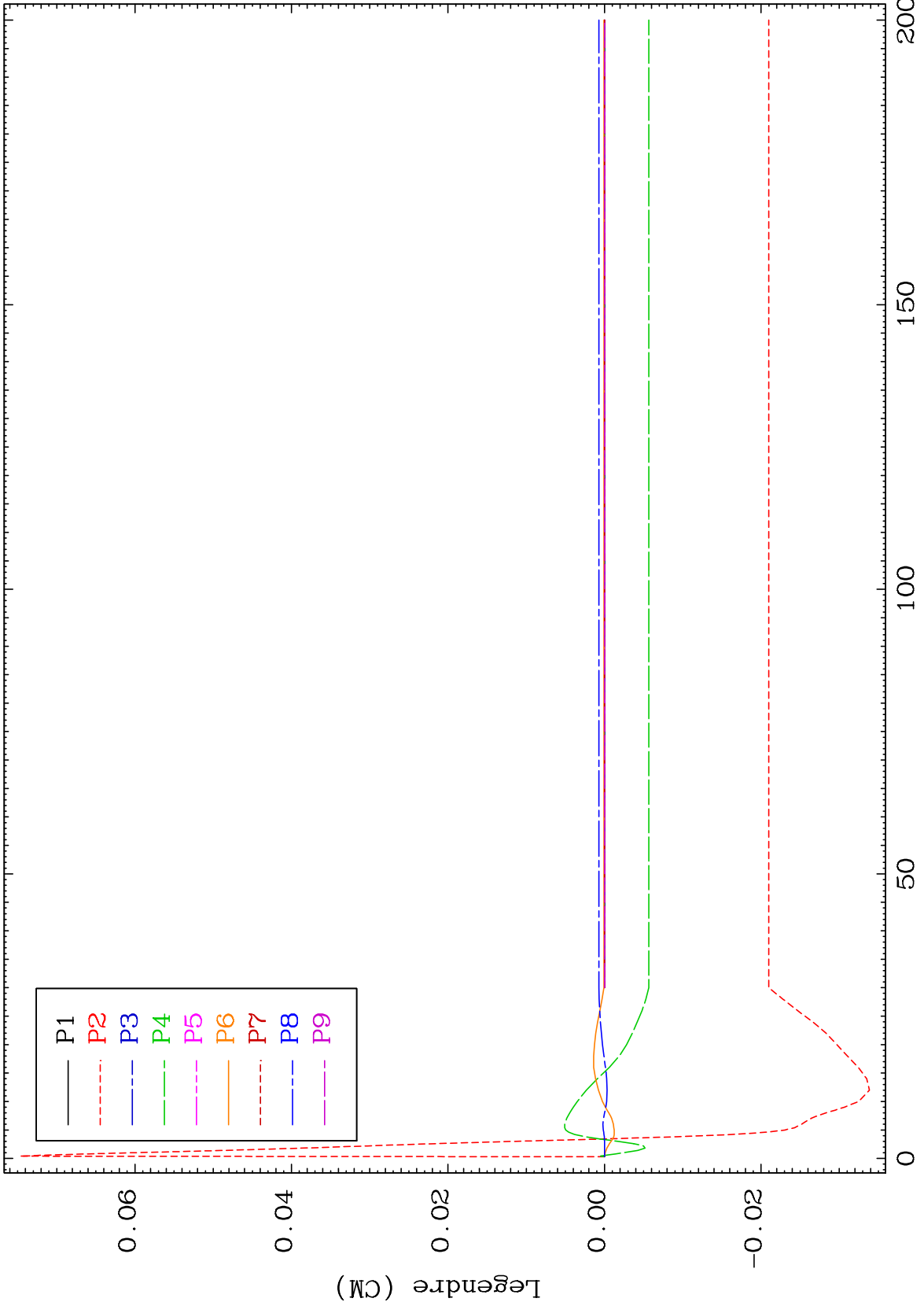
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



31

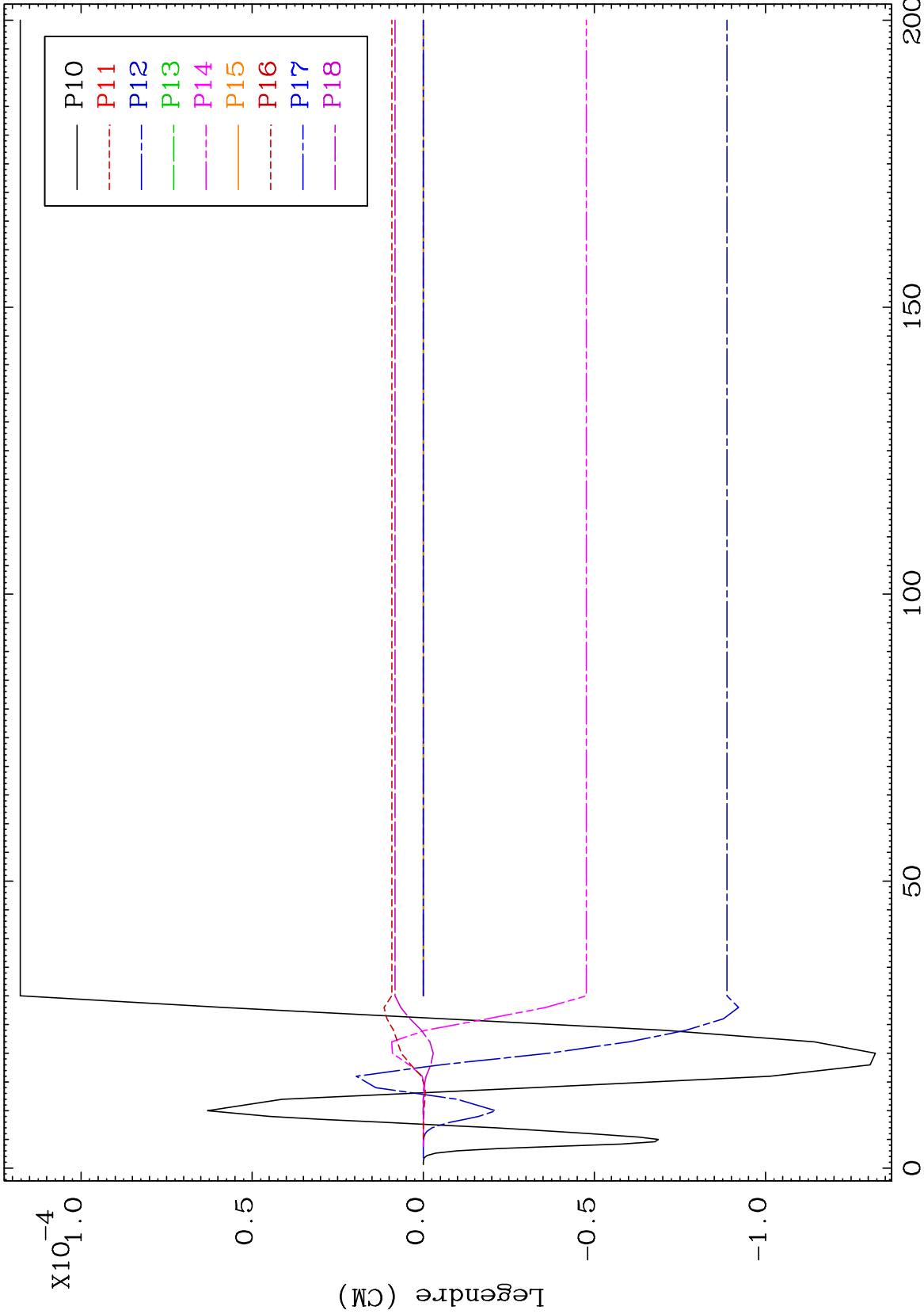
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



32

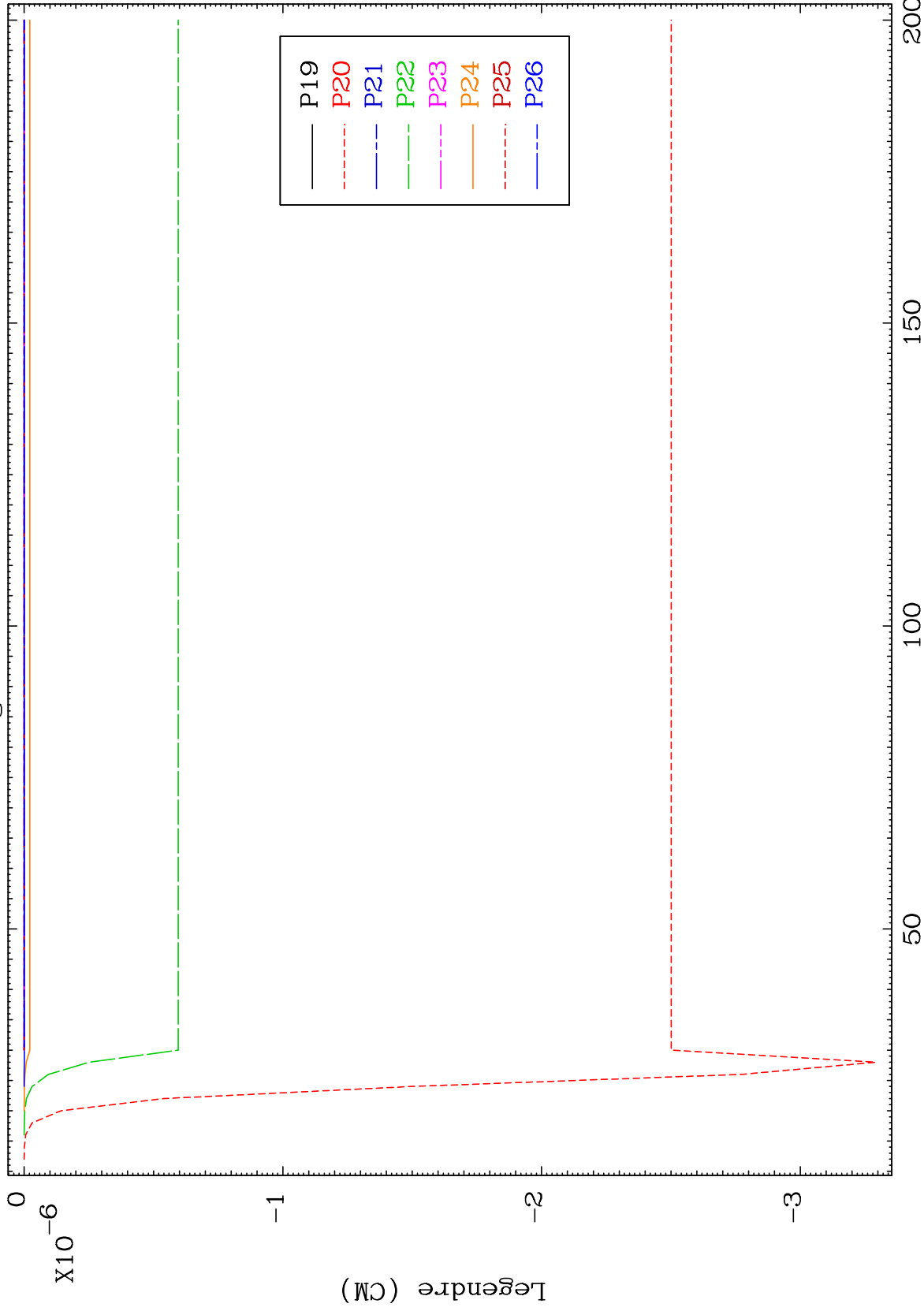
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



33

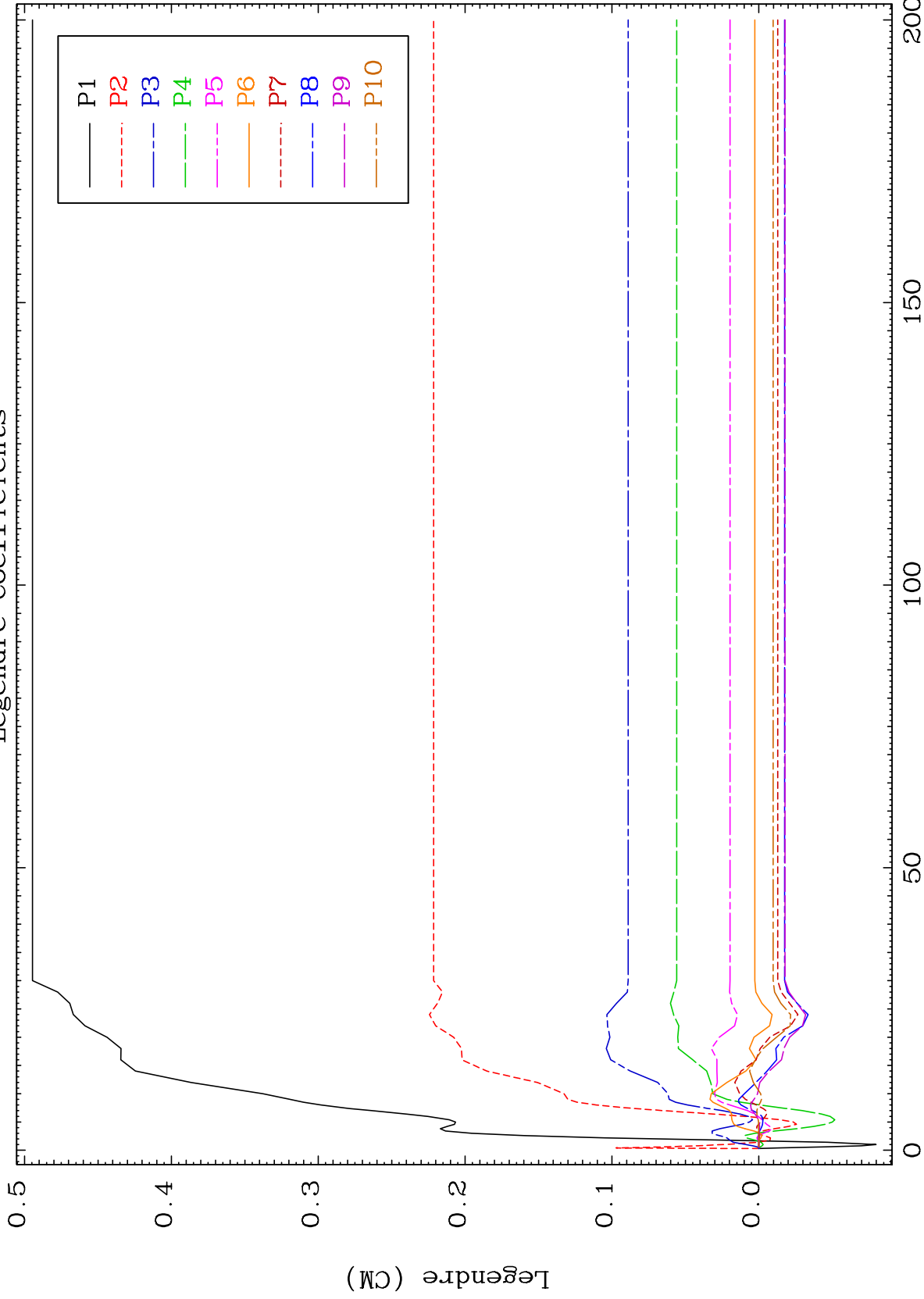
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



34

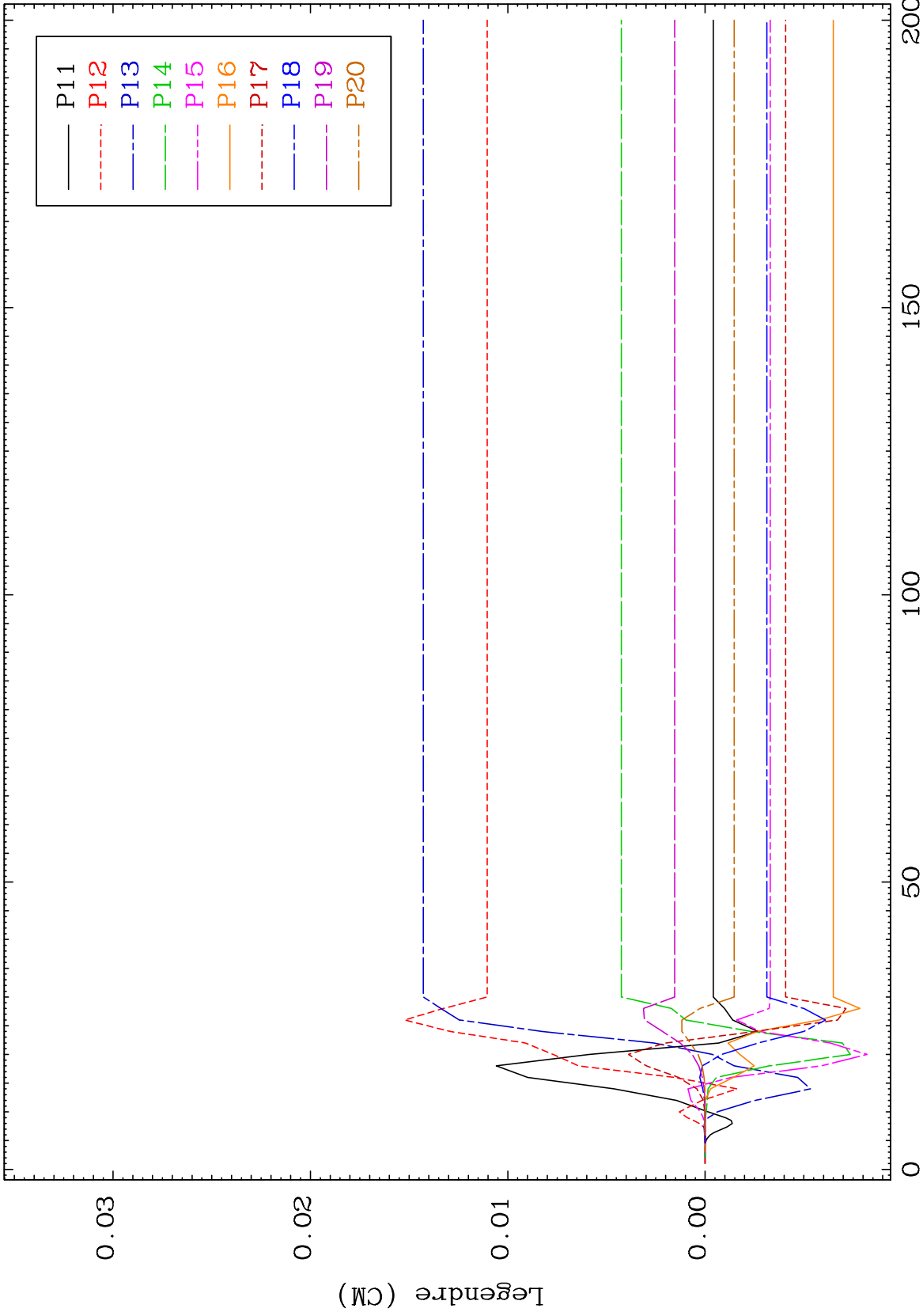
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



35

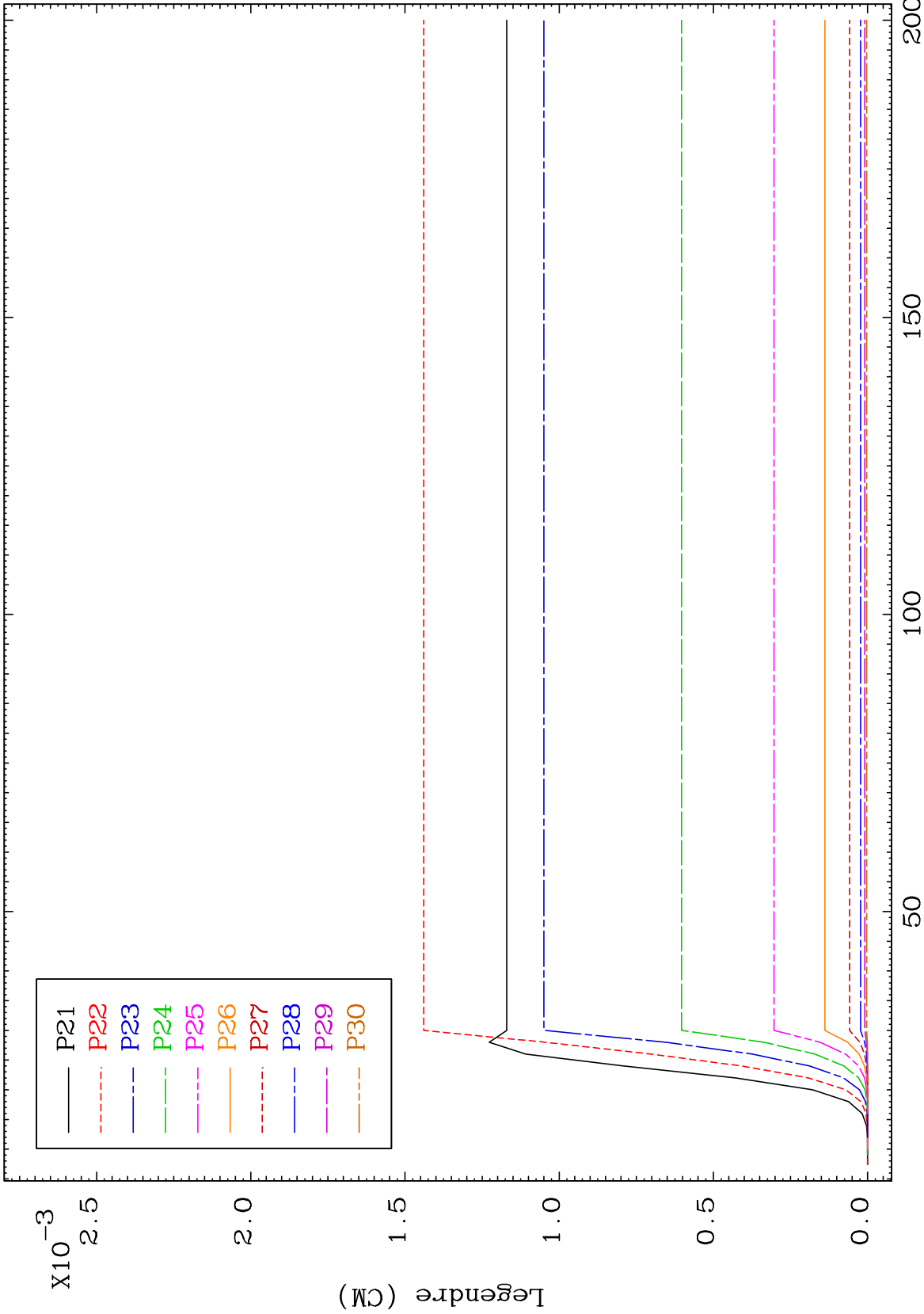
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



36

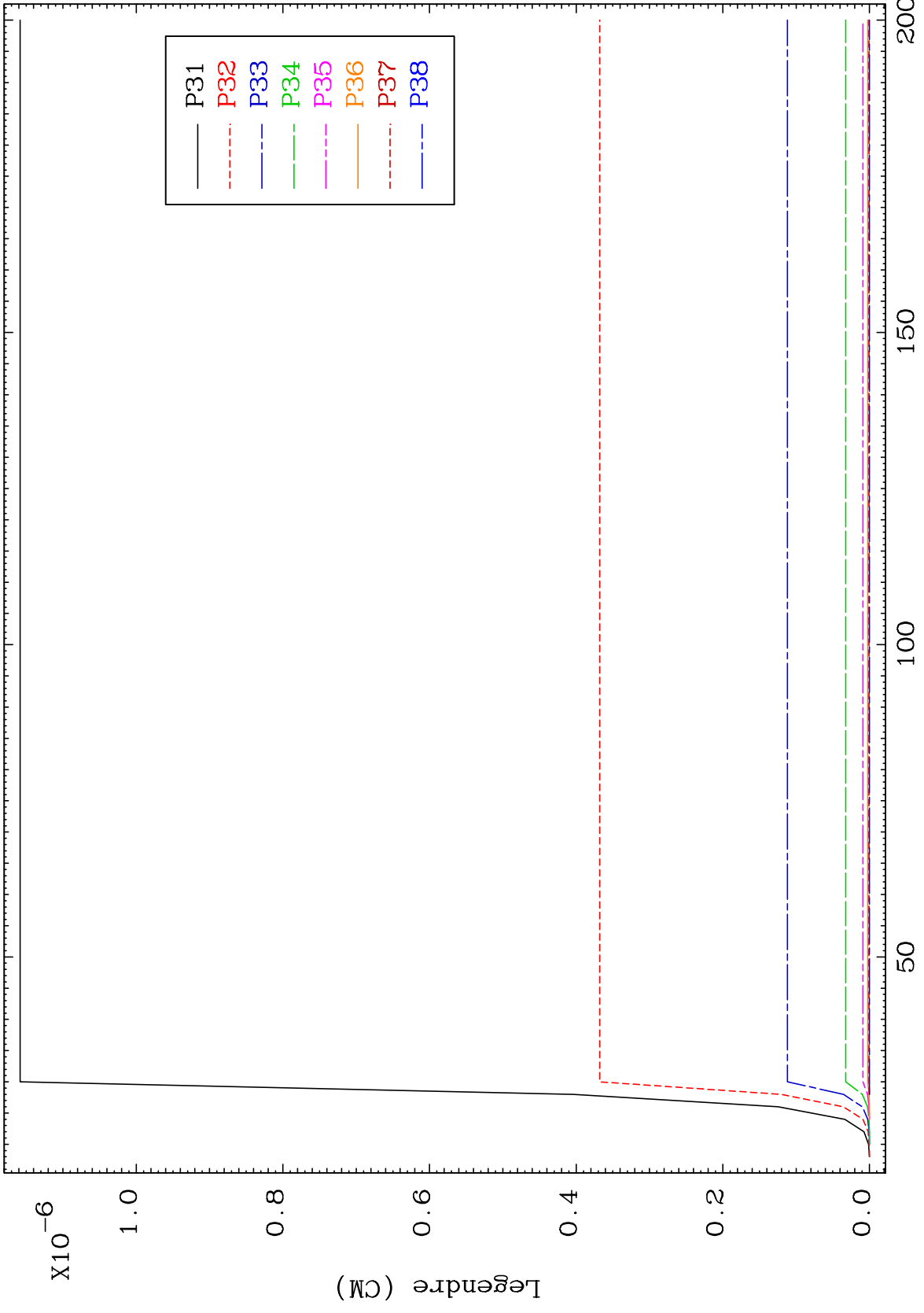
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



37

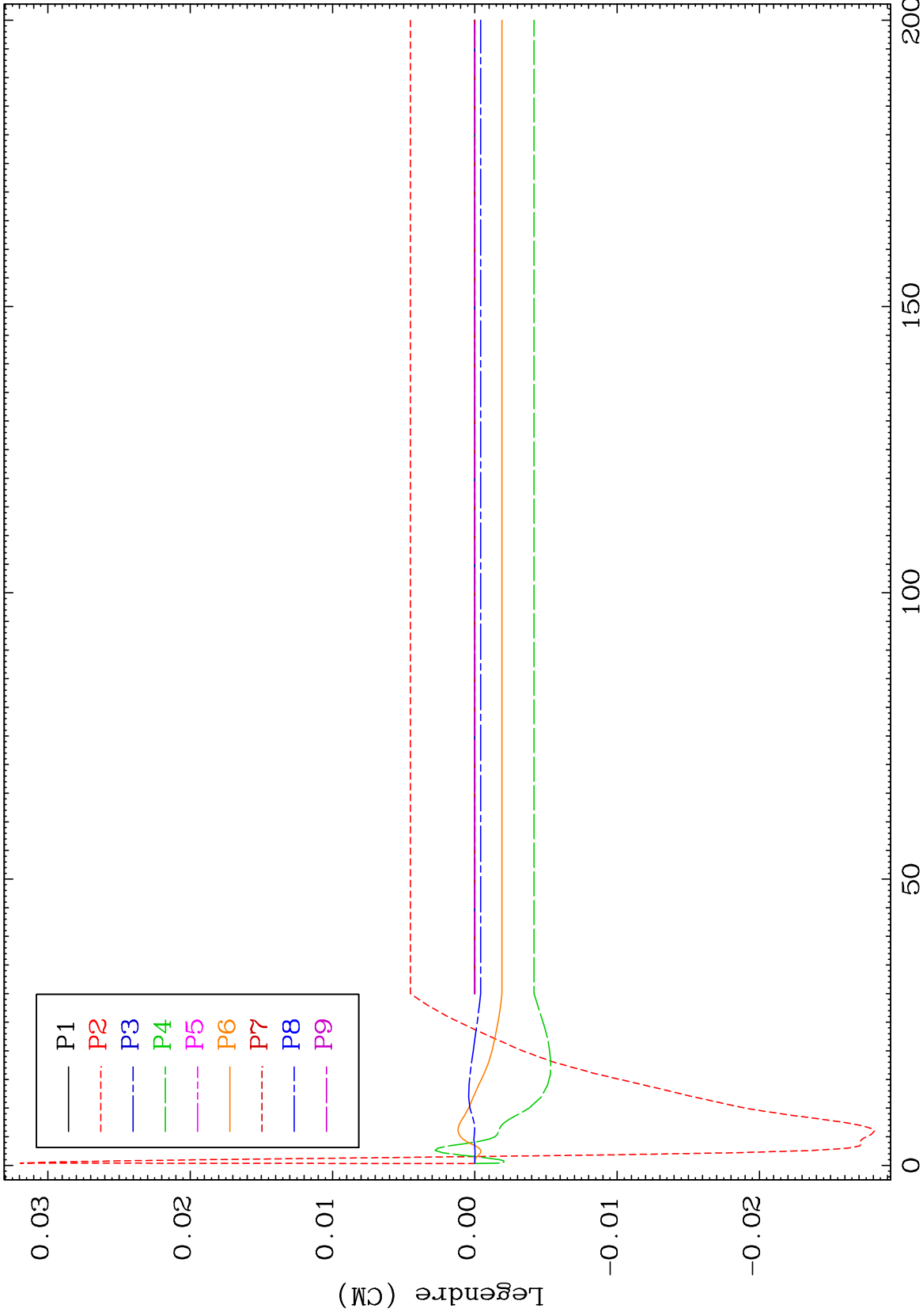
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



38

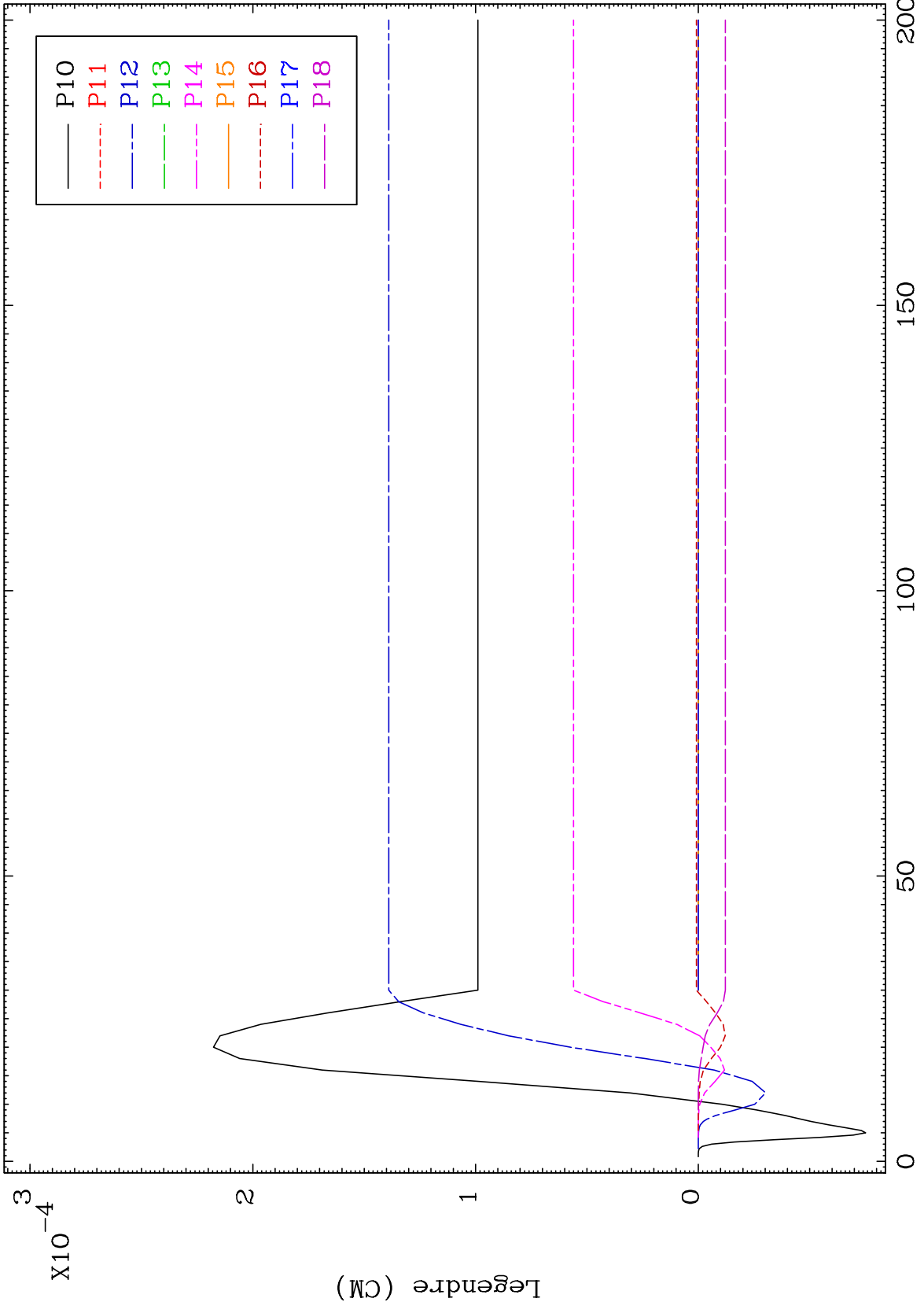
Incident Energy (MeV)

75-Re-192

MAT 7546

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

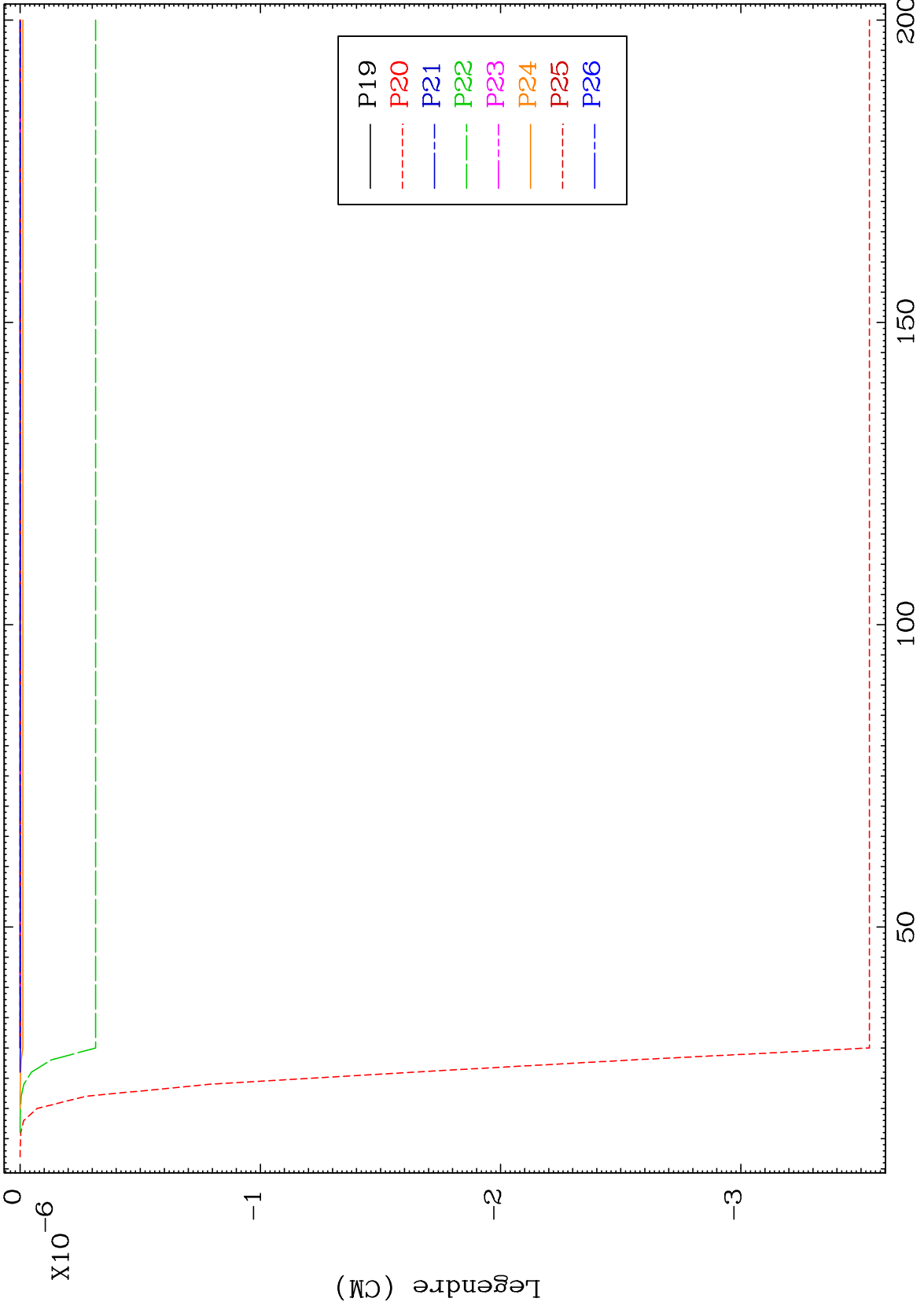
75-Re-192



39

75-Re-192

MAT 7546 MT= 56 (n,n') Level Legendre Coefficients 75-Re-192

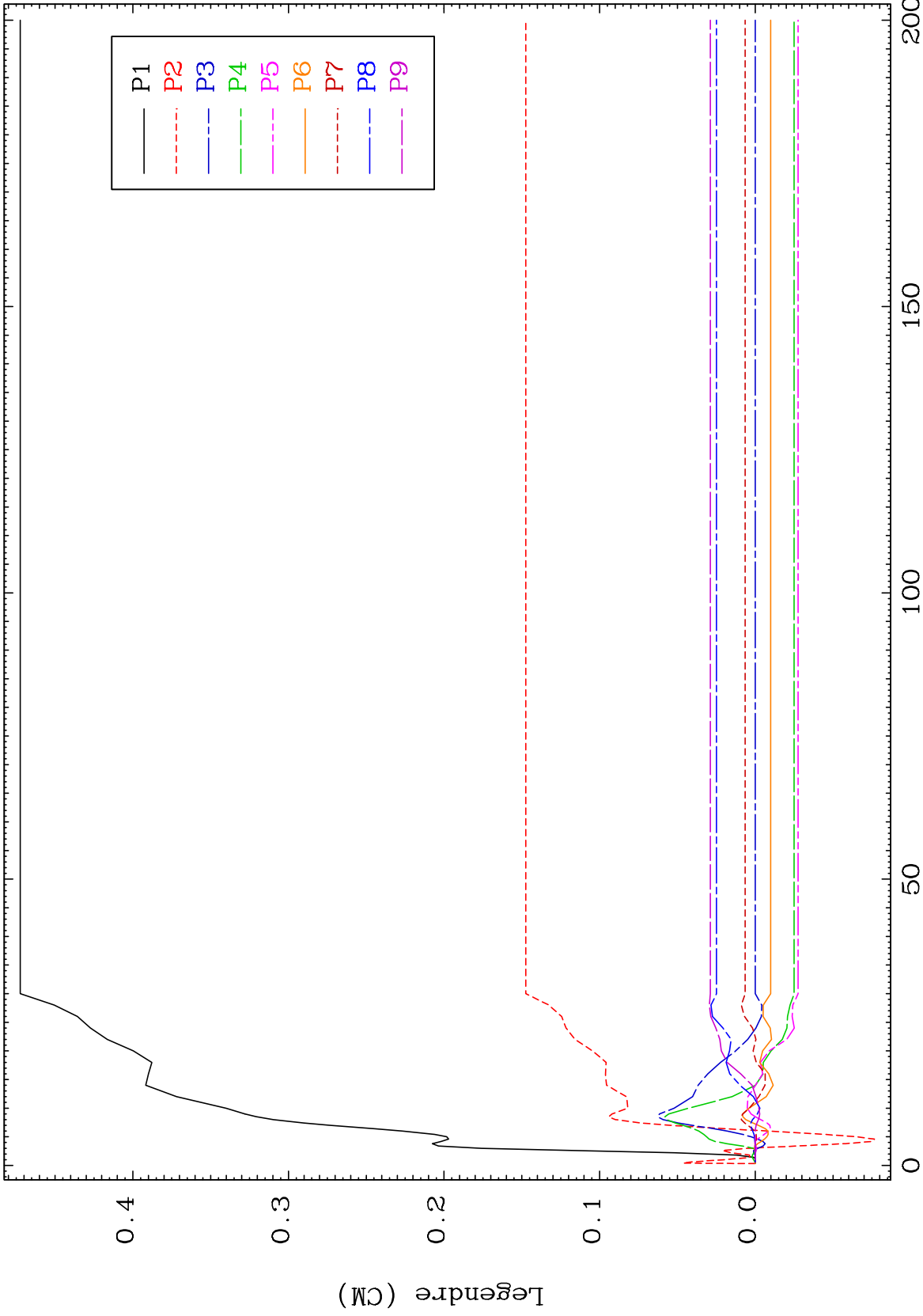


40 Incident Energy (MeV) 75-Re-192

MAT 7546

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

75-Re-192



41

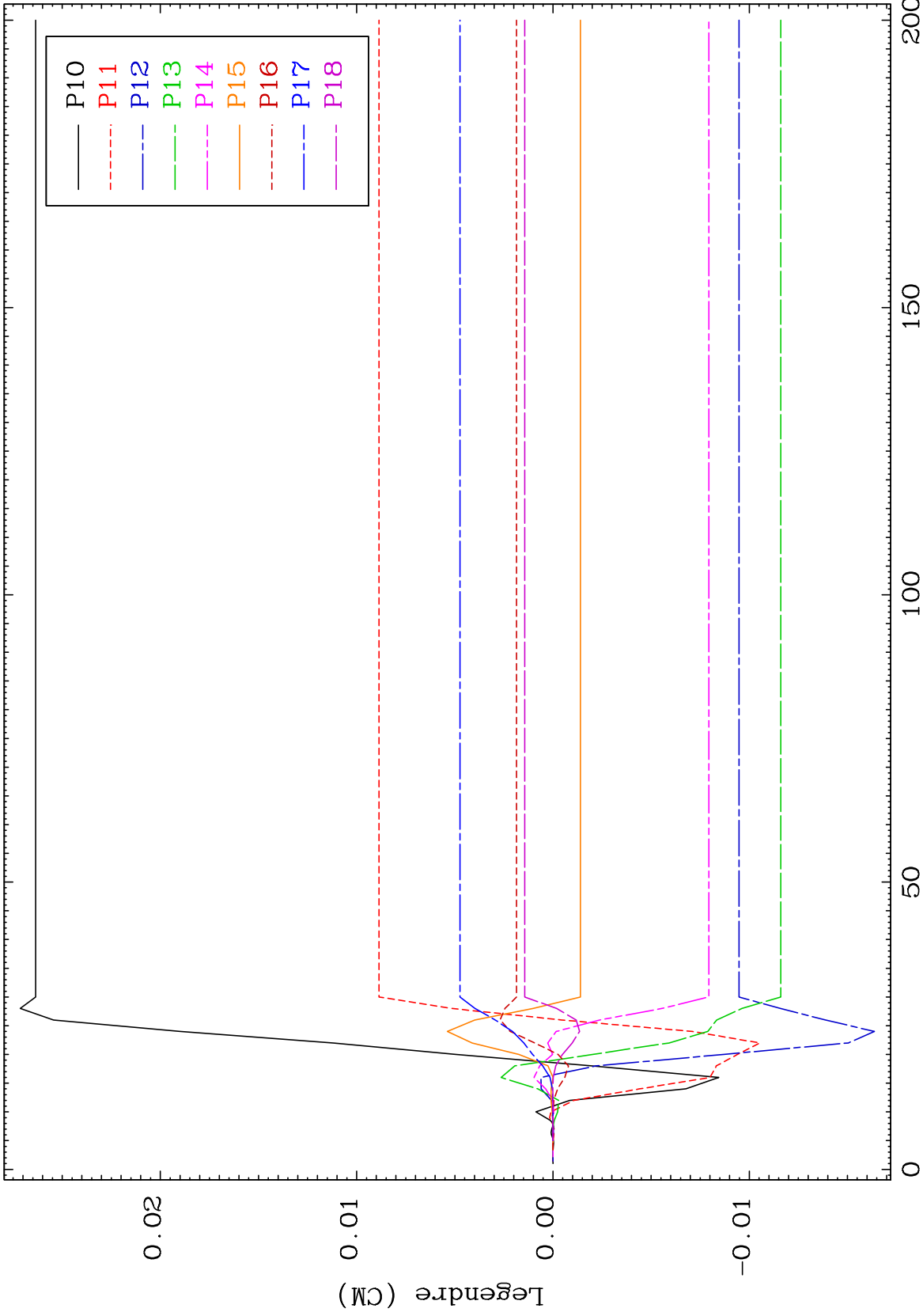
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



42

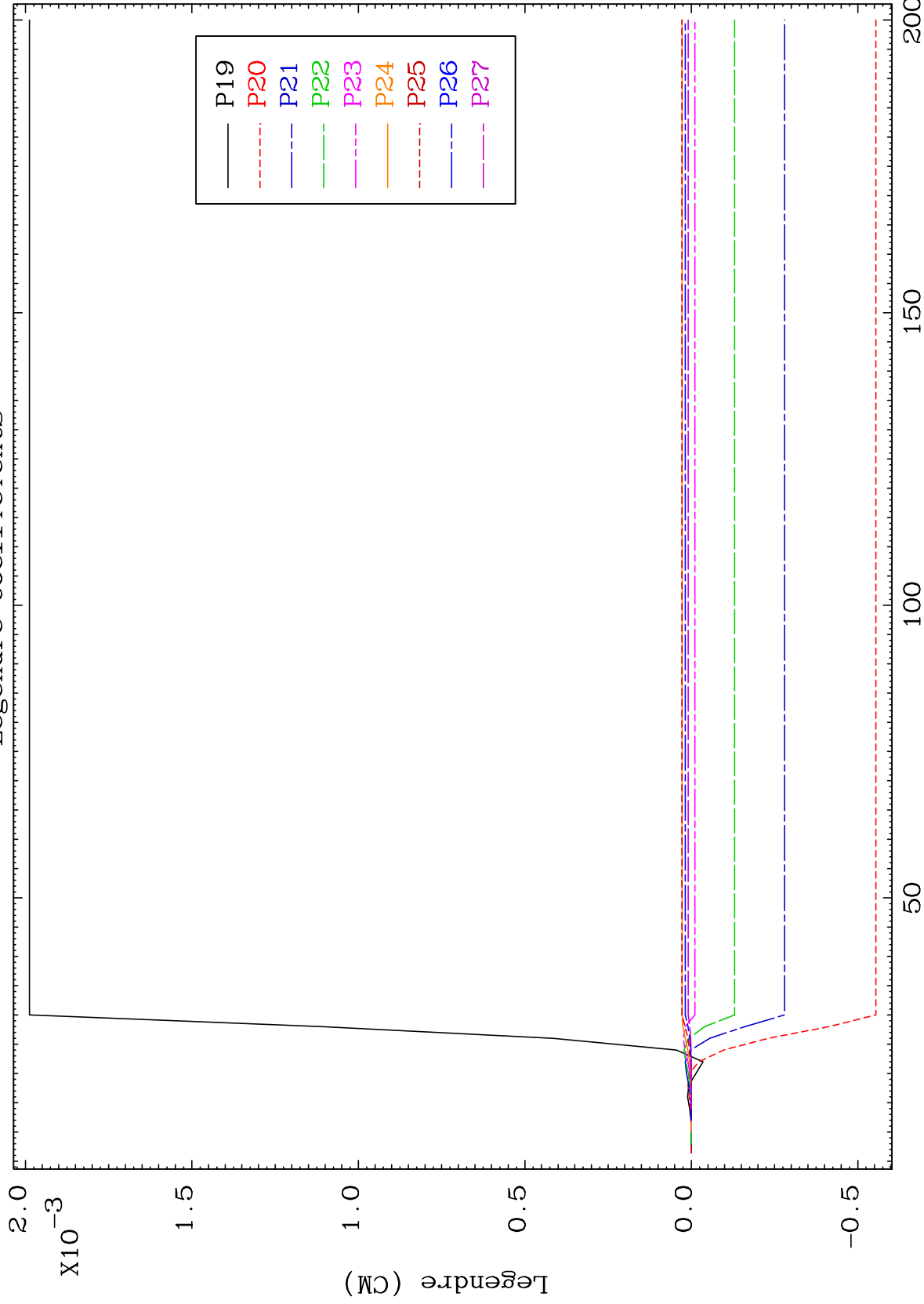
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



43

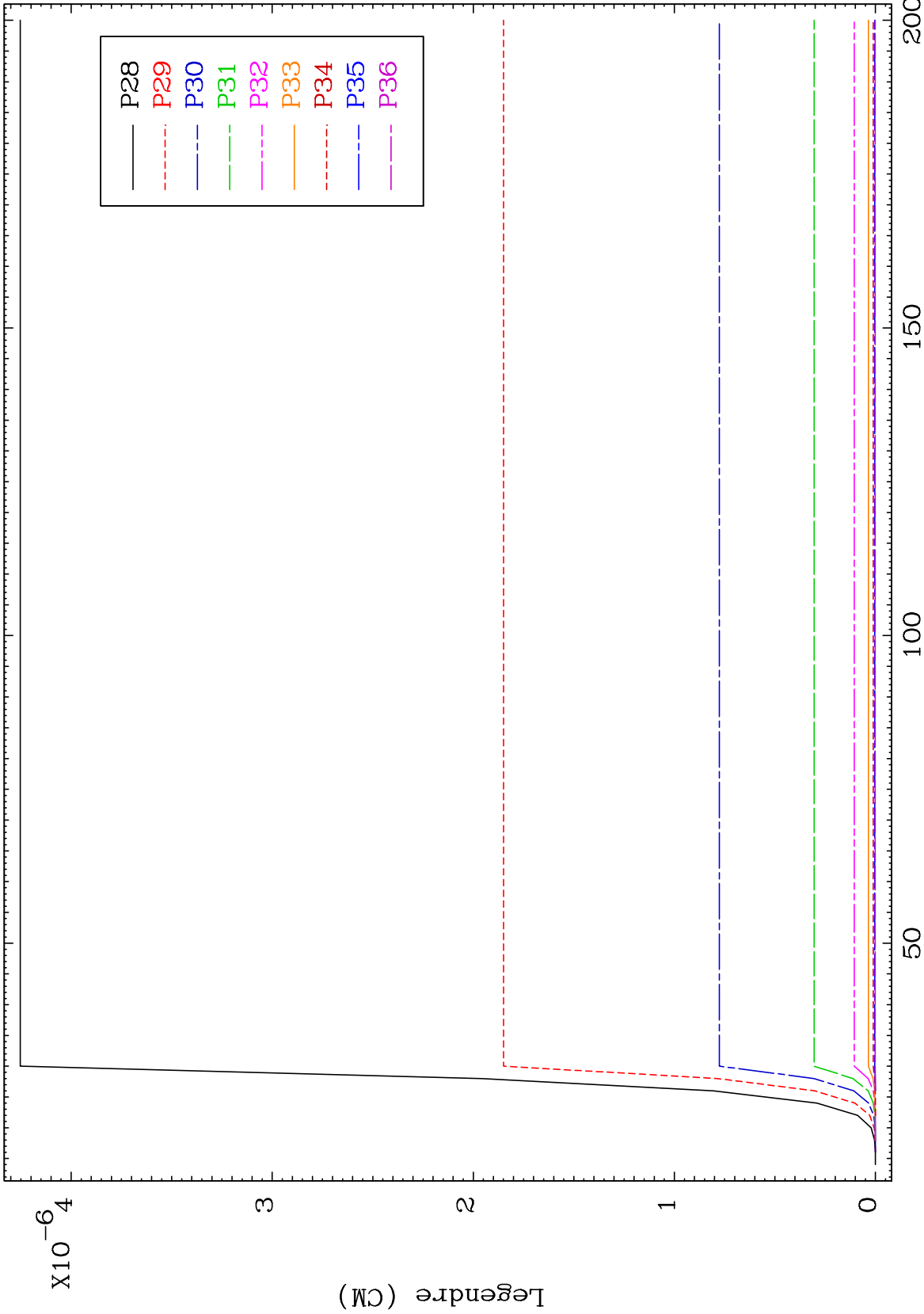
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



44

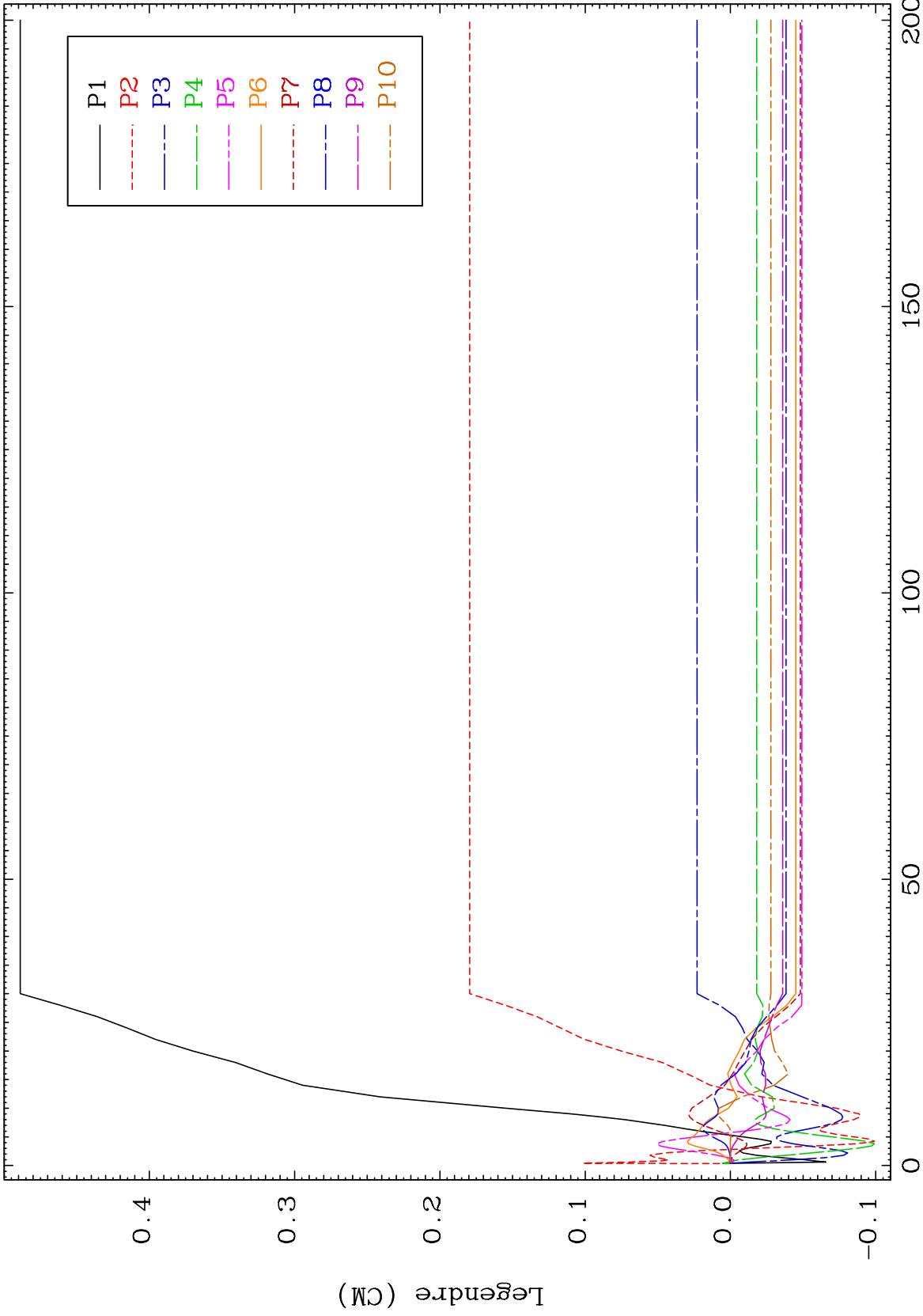
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



75-Re-192

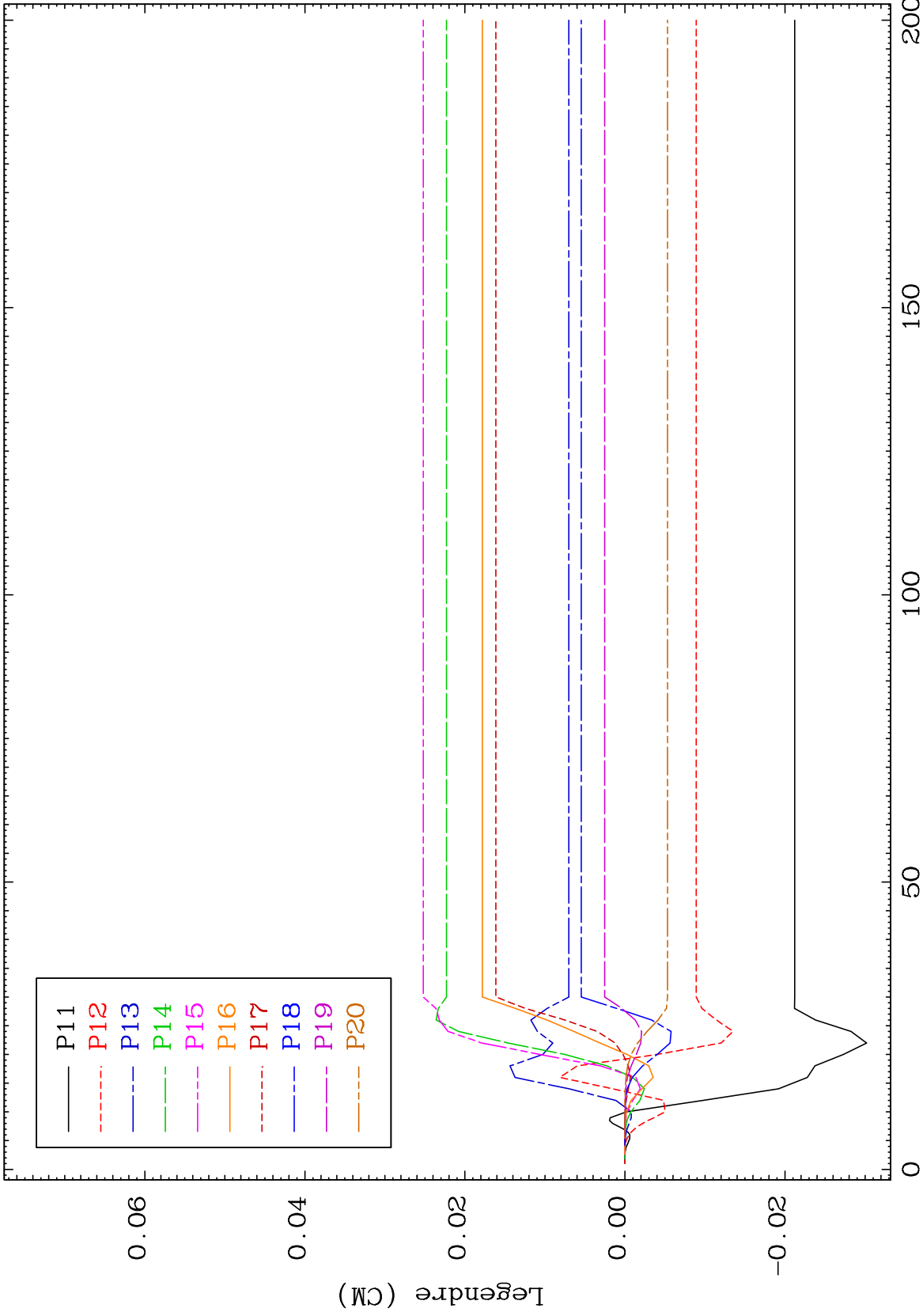
Incident Energy (MeV)

45

MAT 7546

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

75-Re-192



46

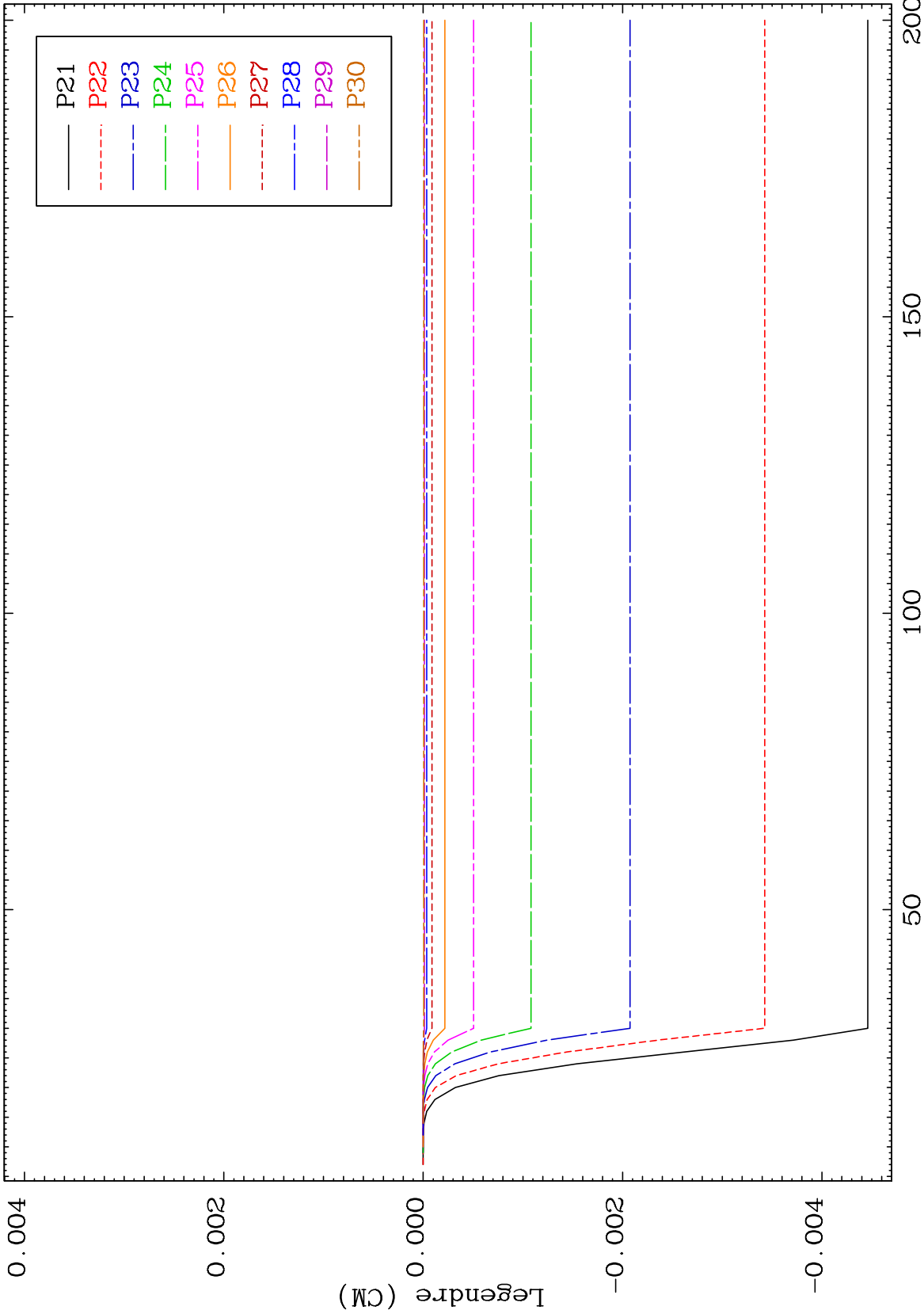
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



47

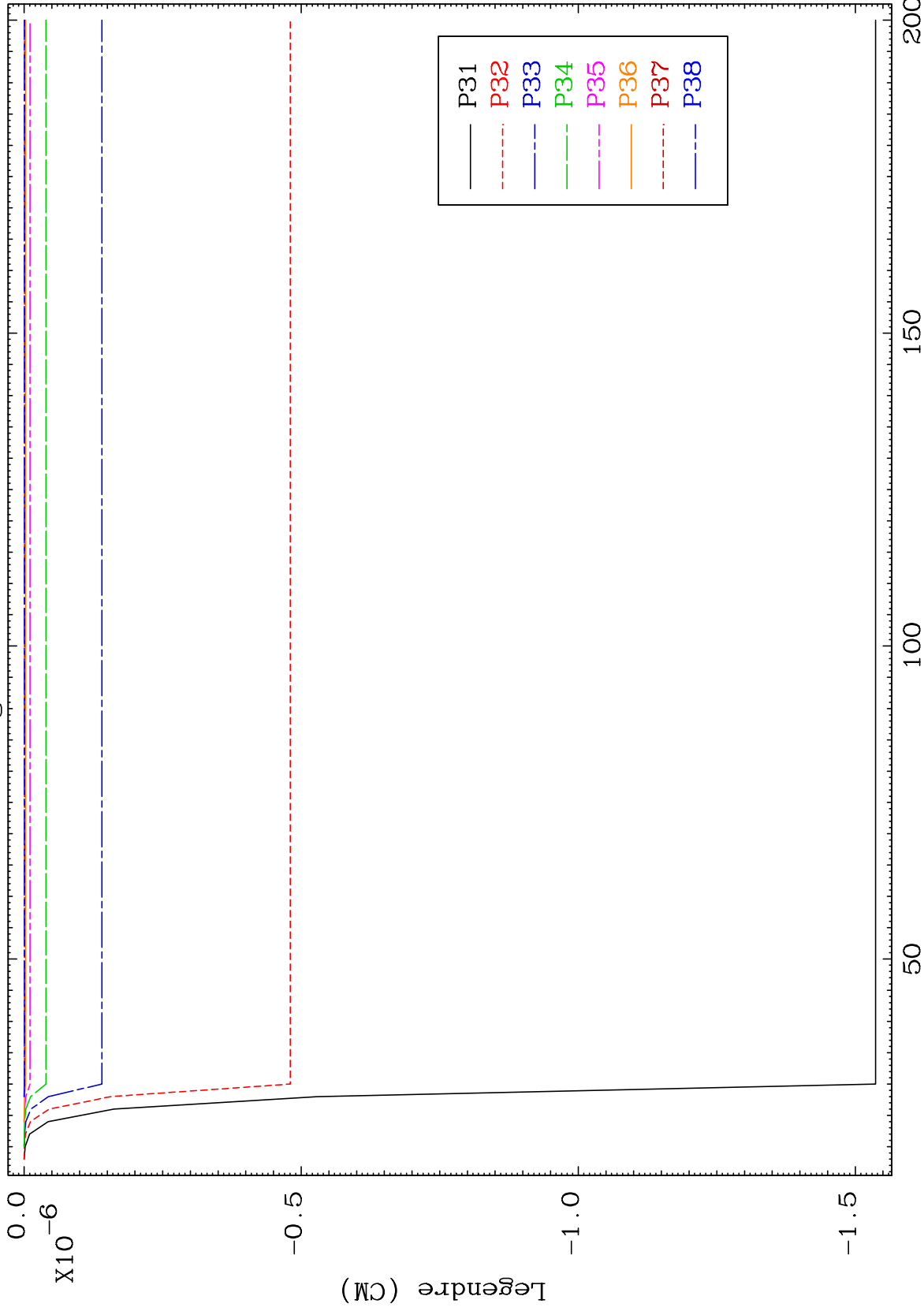
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



75-Re-192

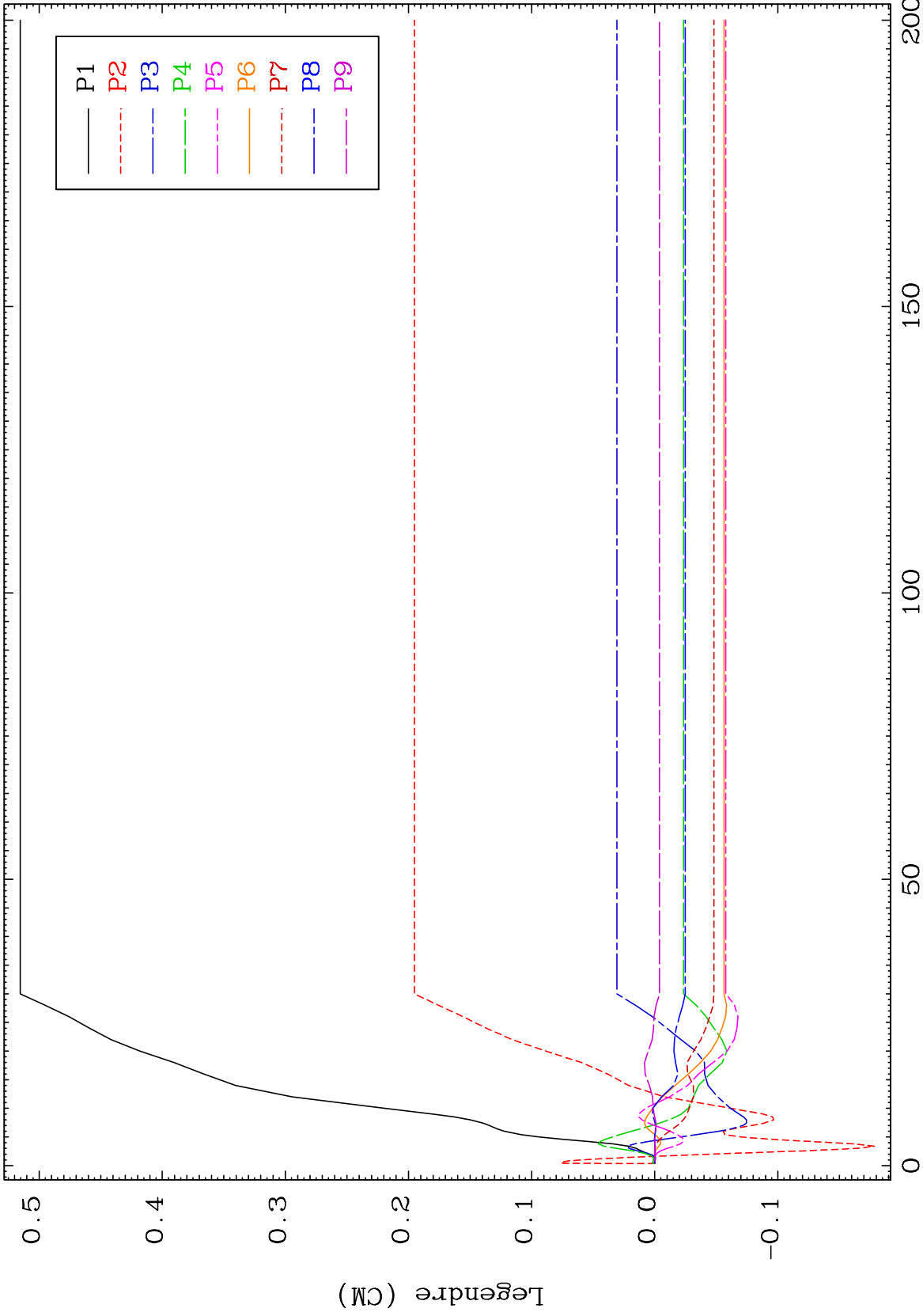
Incident Energy (MeV)

48

MAT 7546

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

75-Re-192



49

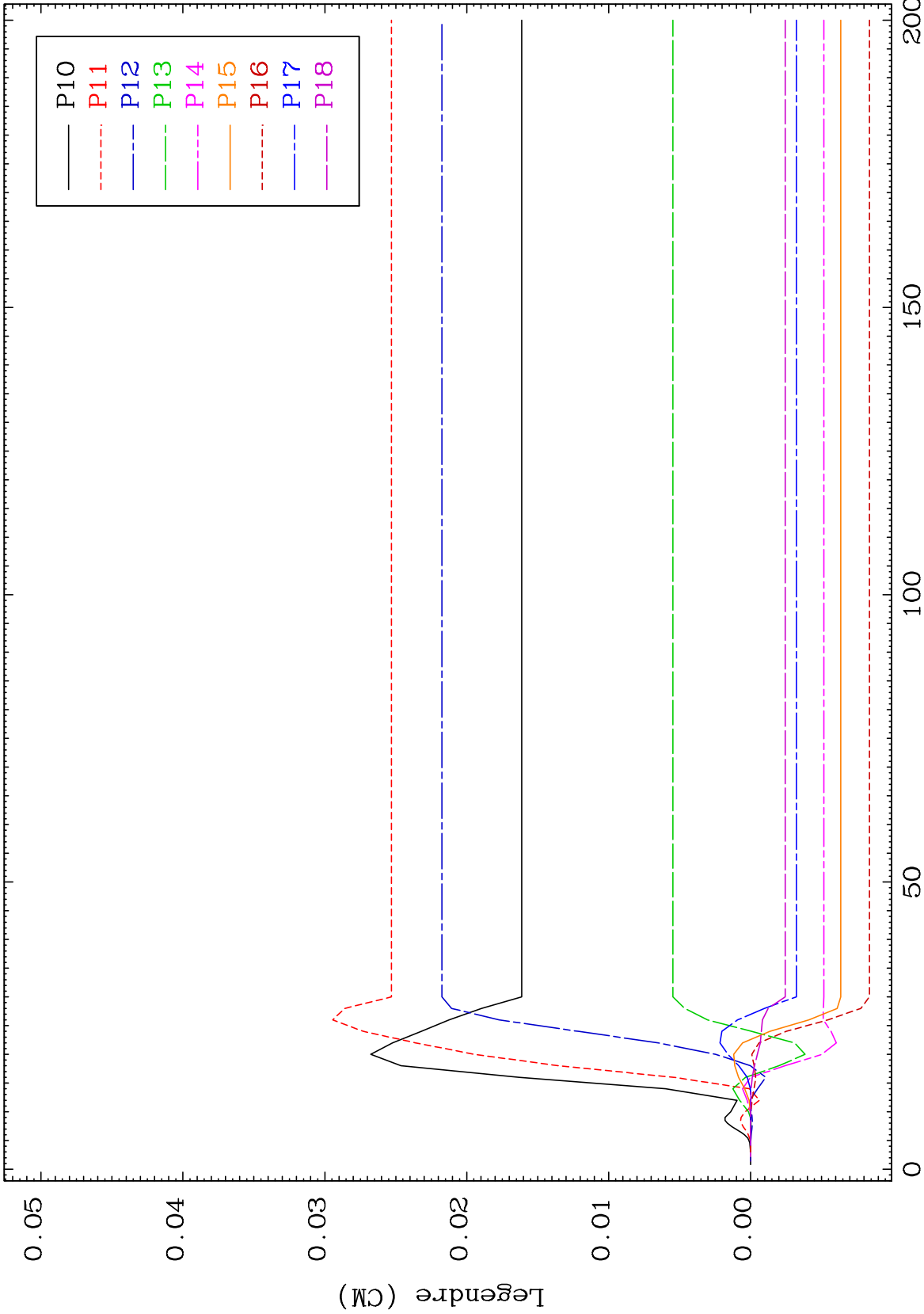
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



75-Re-192

Incident Energy (MeV)

0

50

100

200

0.05

0.04

0.03

0.02

0.01

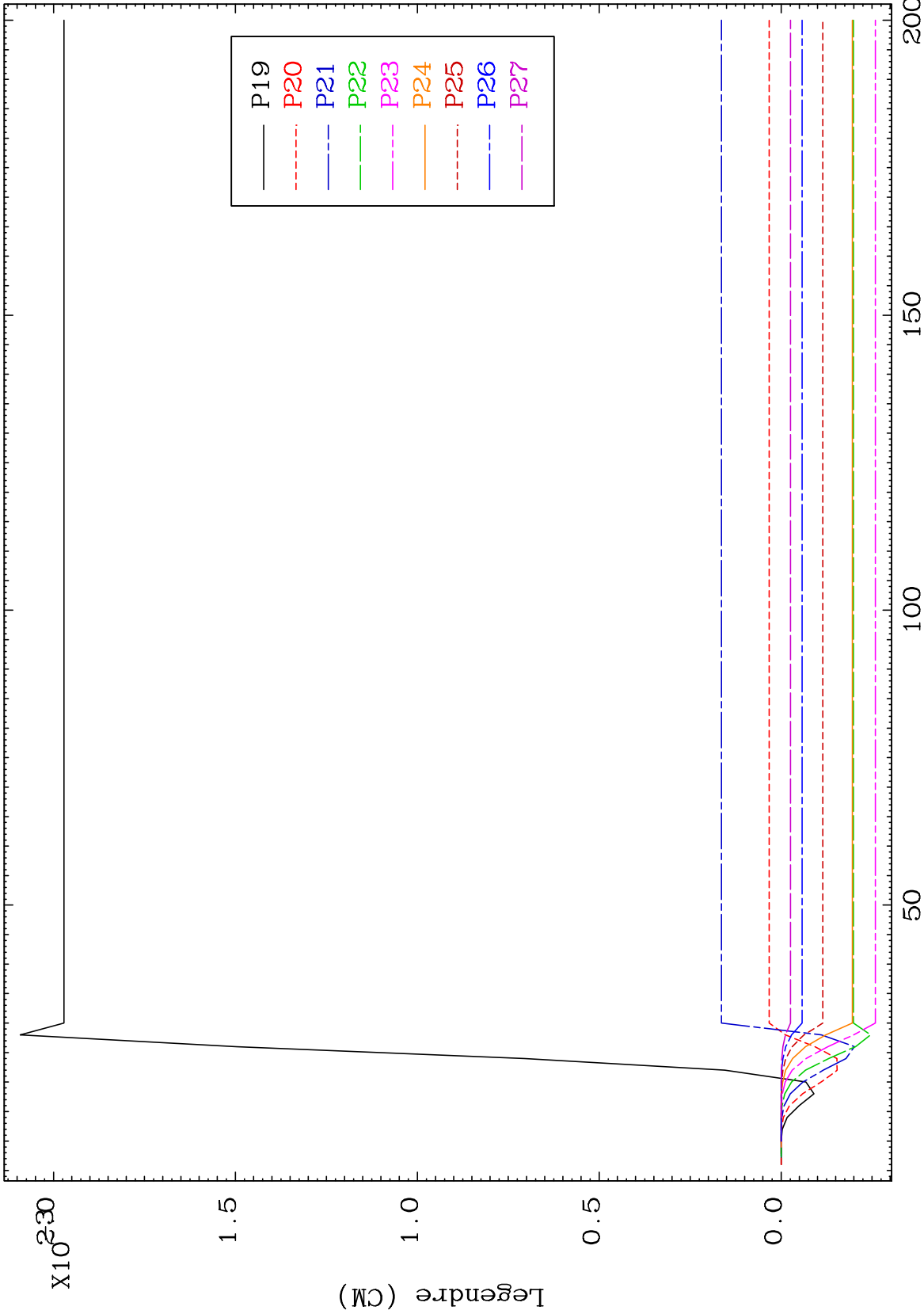
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Legendre (CM)

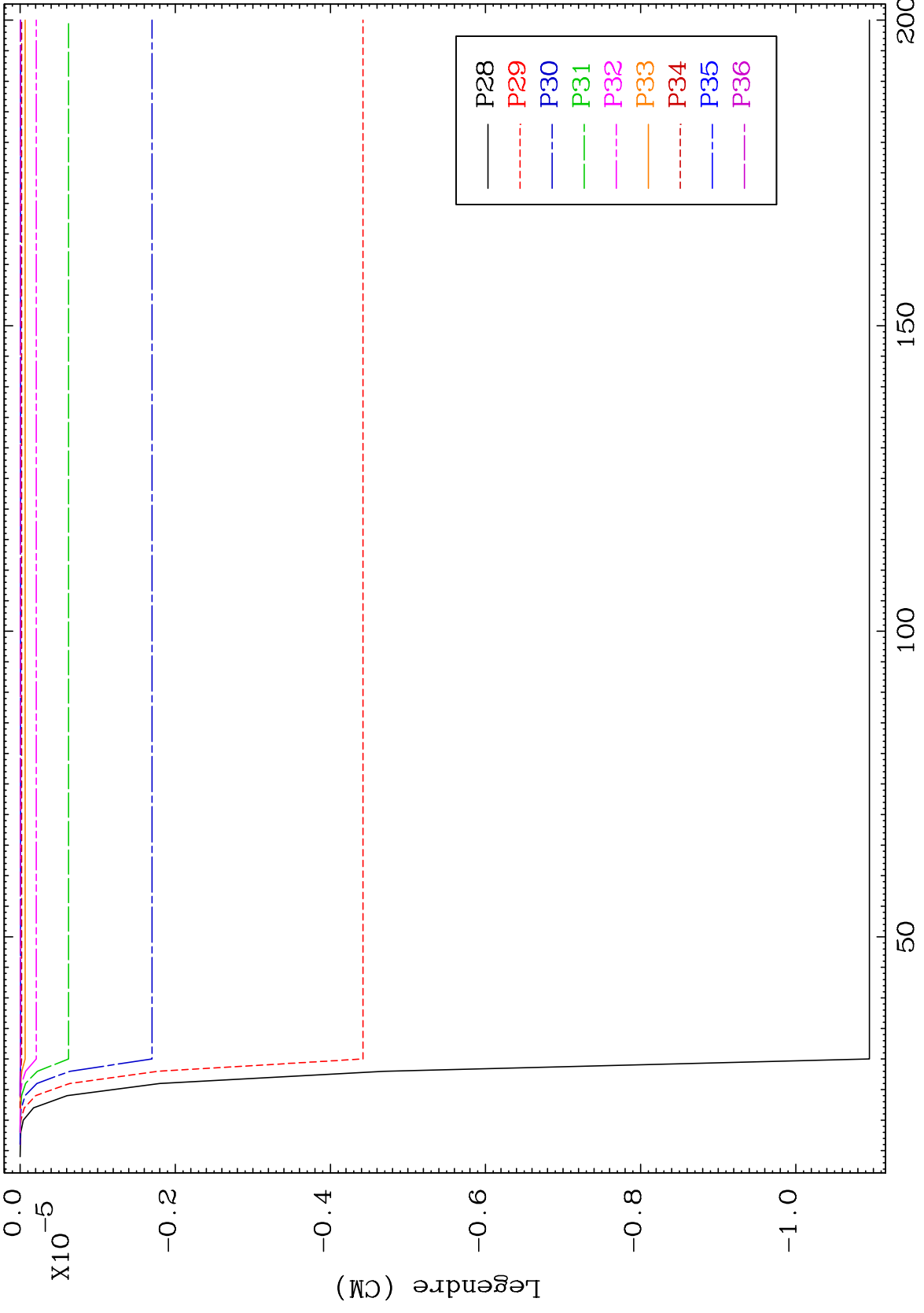
MAT 7546

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

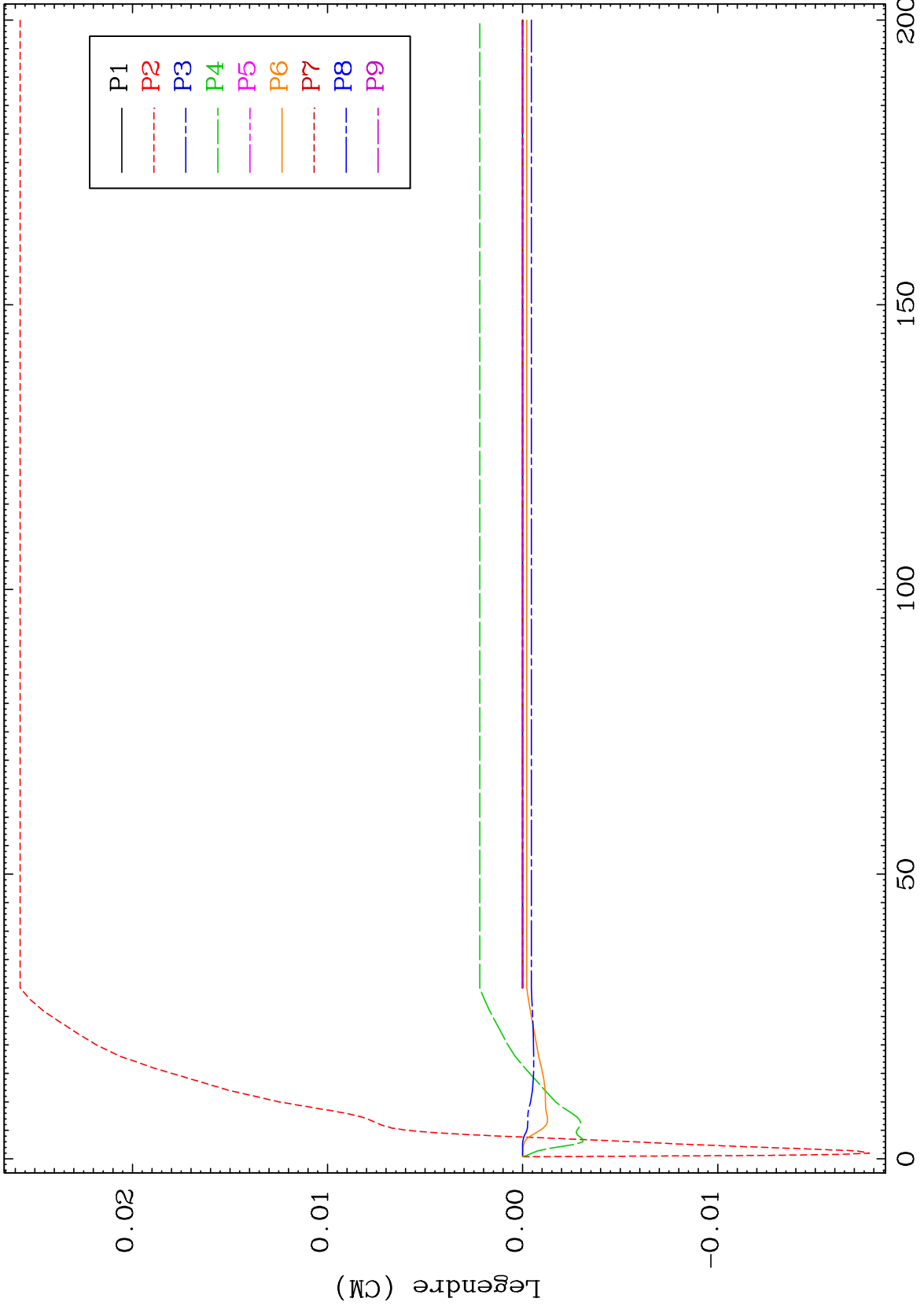
75-Re-192



MAT 7546 MT= 59 (n,n') Level Legendre Coefficients 75-Re-192



MAT 7546 MT= 60 (n,n') Level Legendre Coefficients 75-Re-192

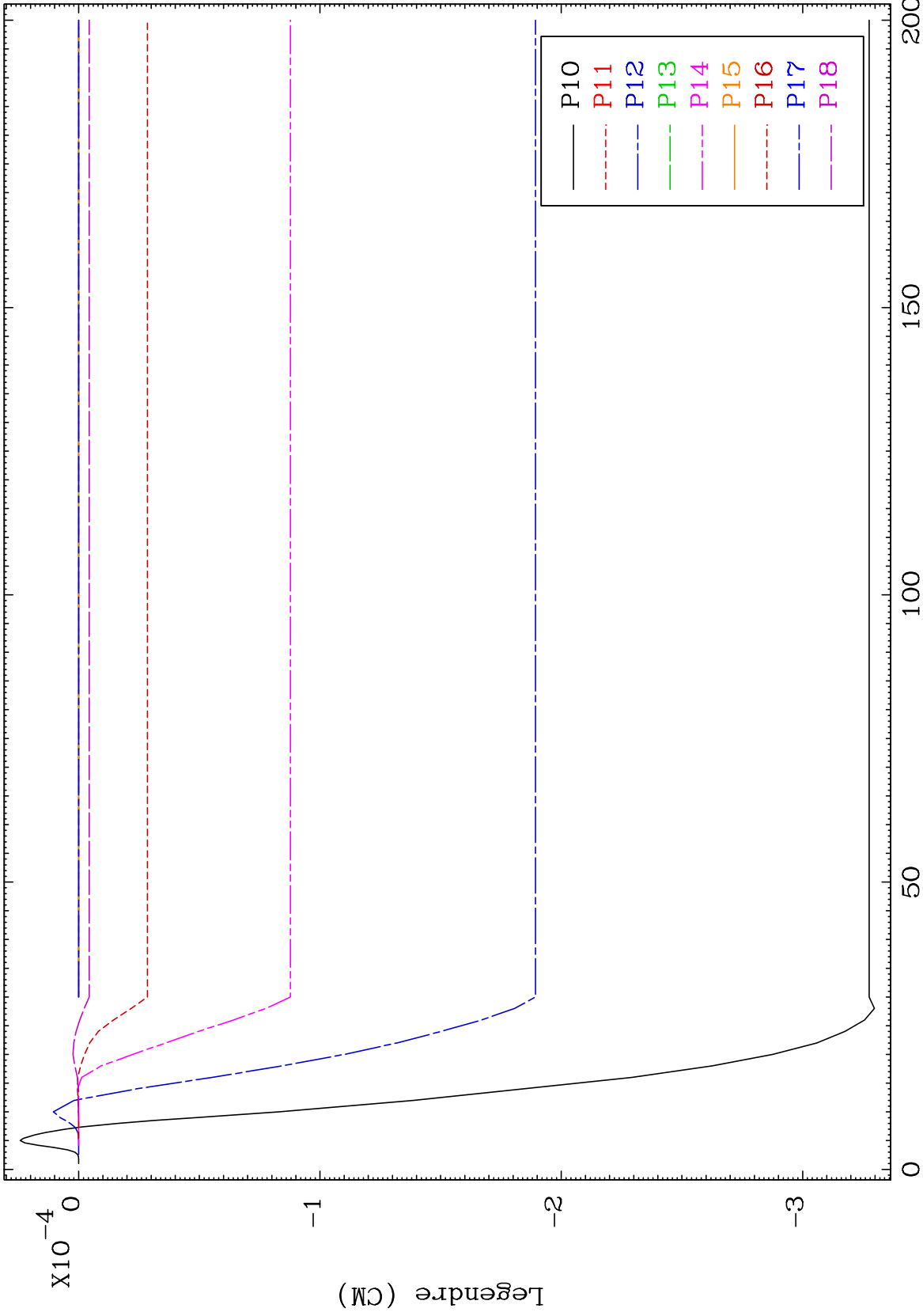


53 75-Re-192

MAT 7546

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

75-Re-192

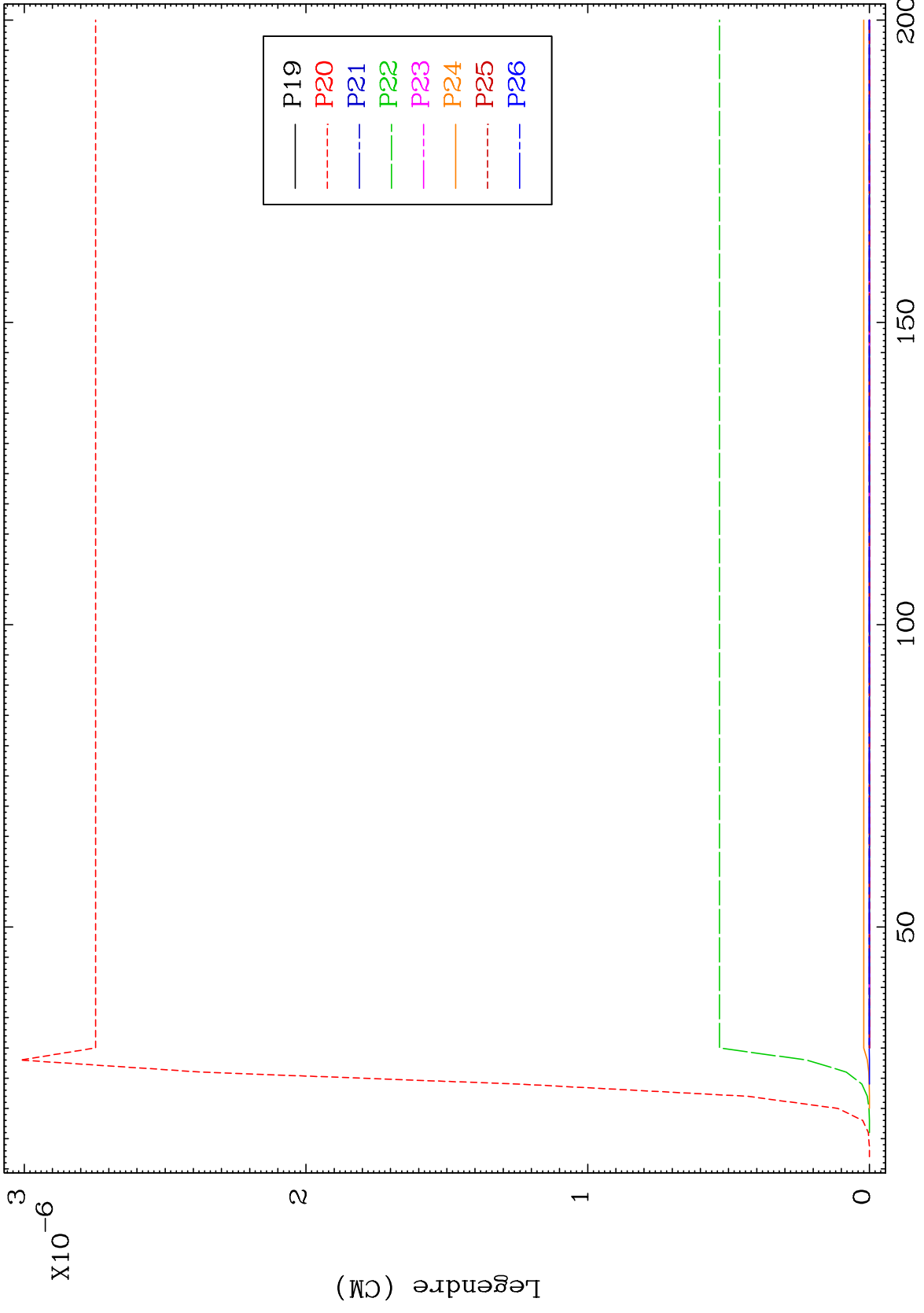


54

Incident Energy (MeV)

75-Re-192

MAT 7546 MT= 60 (n,n') Level Legendre Coefficients 75-Re-192

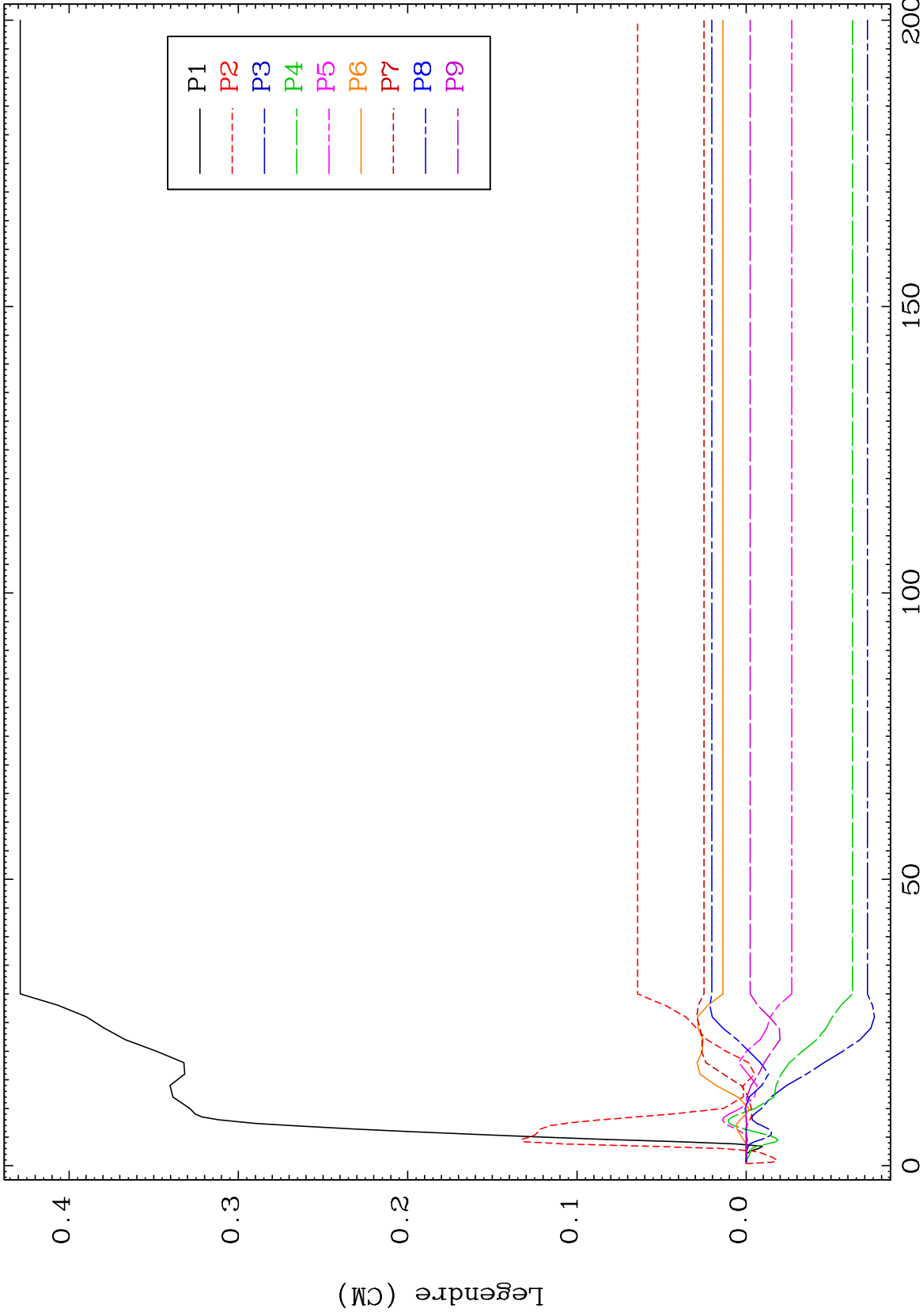


55 Incident Energy (MeV) 75-Re-192

MAT 7546

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

75-Re-192



56

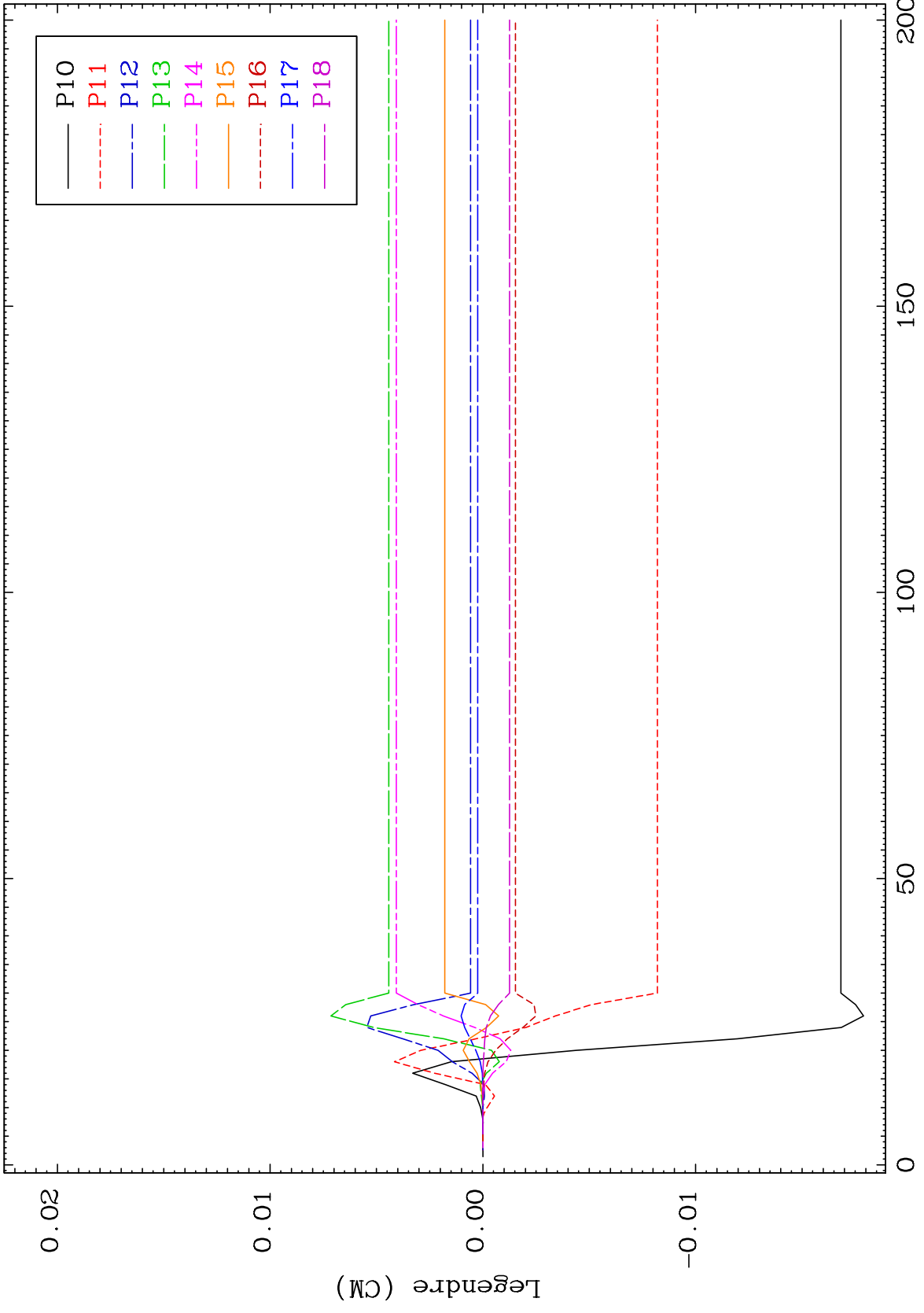
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



57

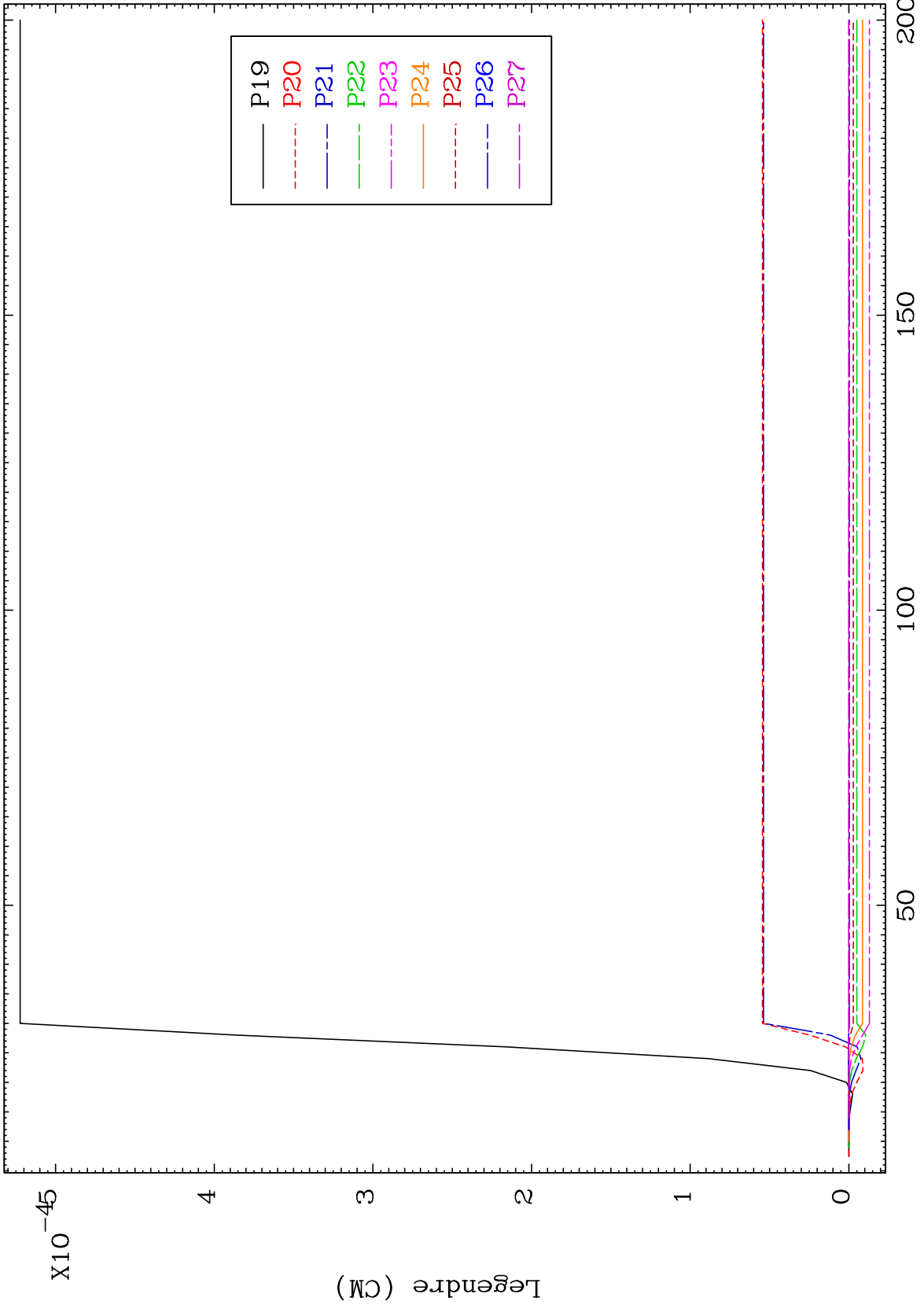
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



58

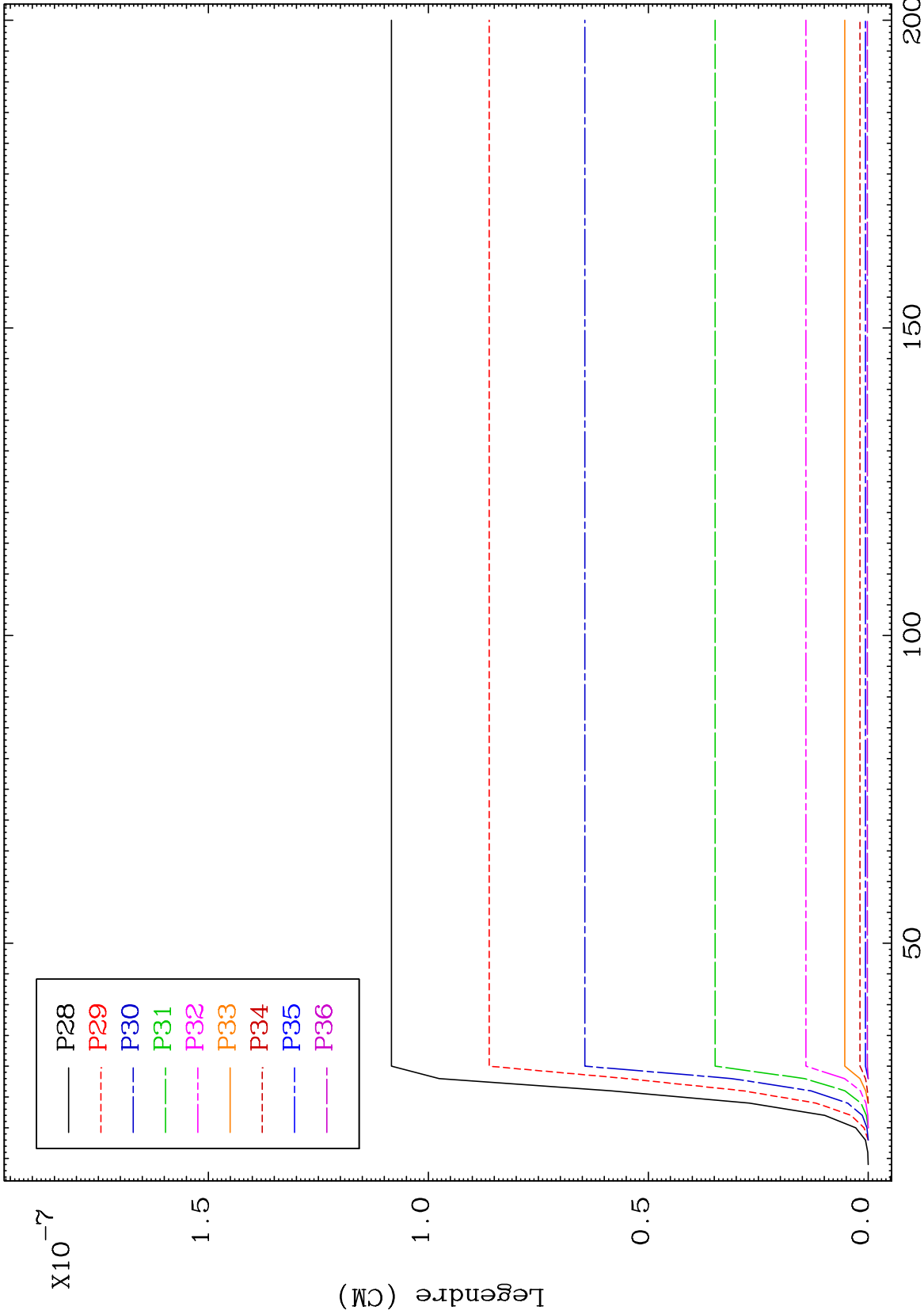
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



59

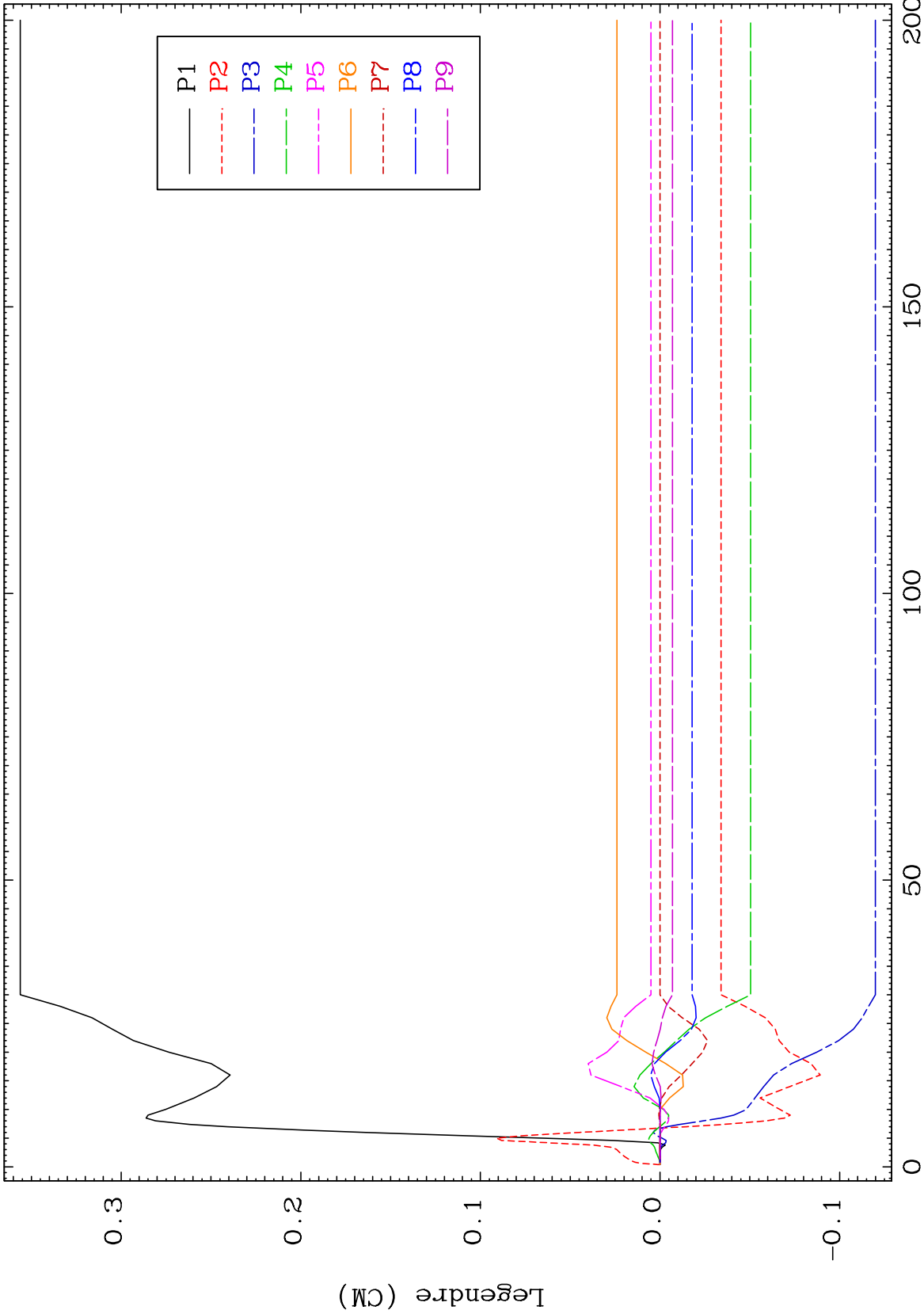
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



75-Re-192

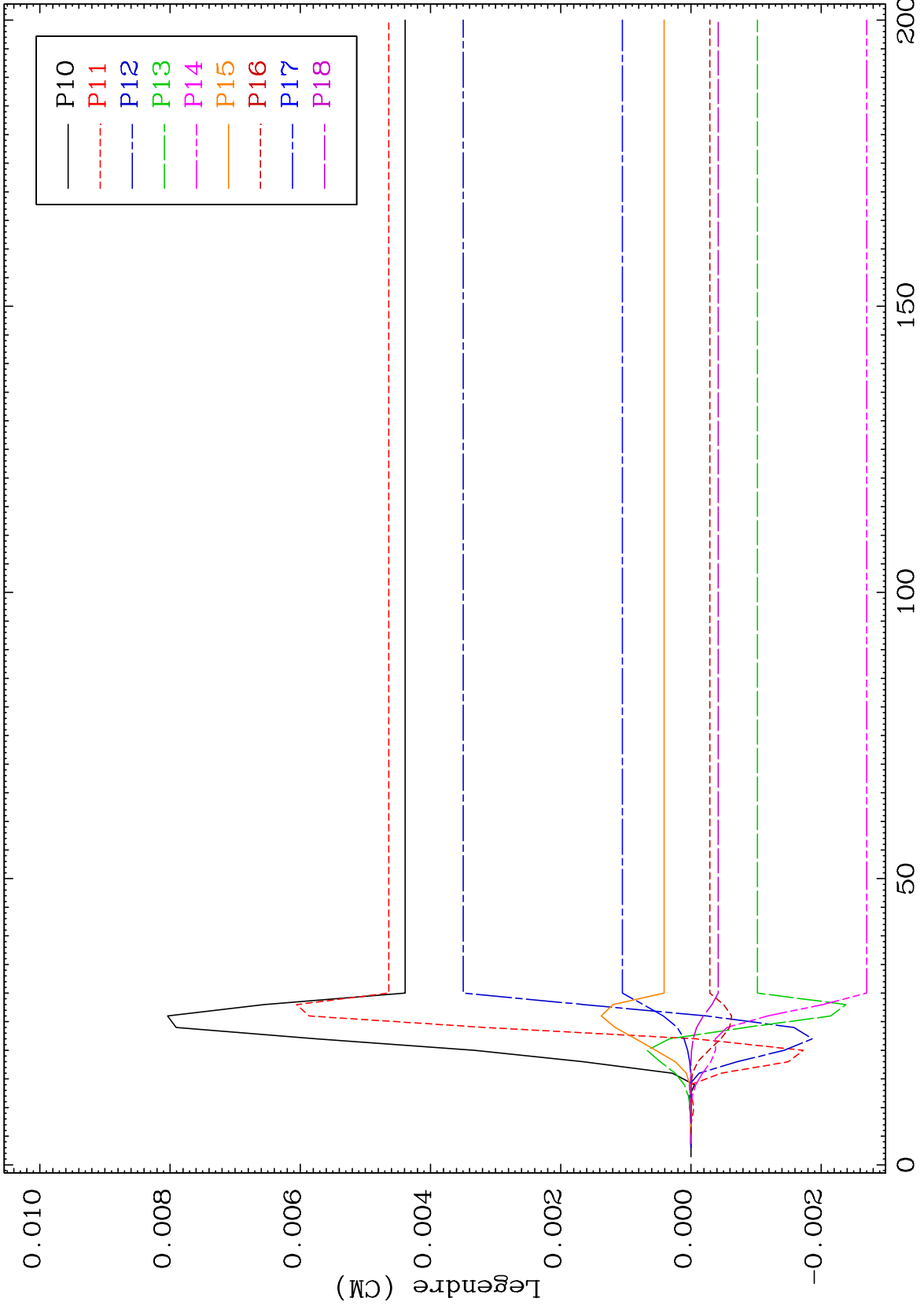
Incident Energy (MeV)

60

MAT 7546

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

75-Re-192



61

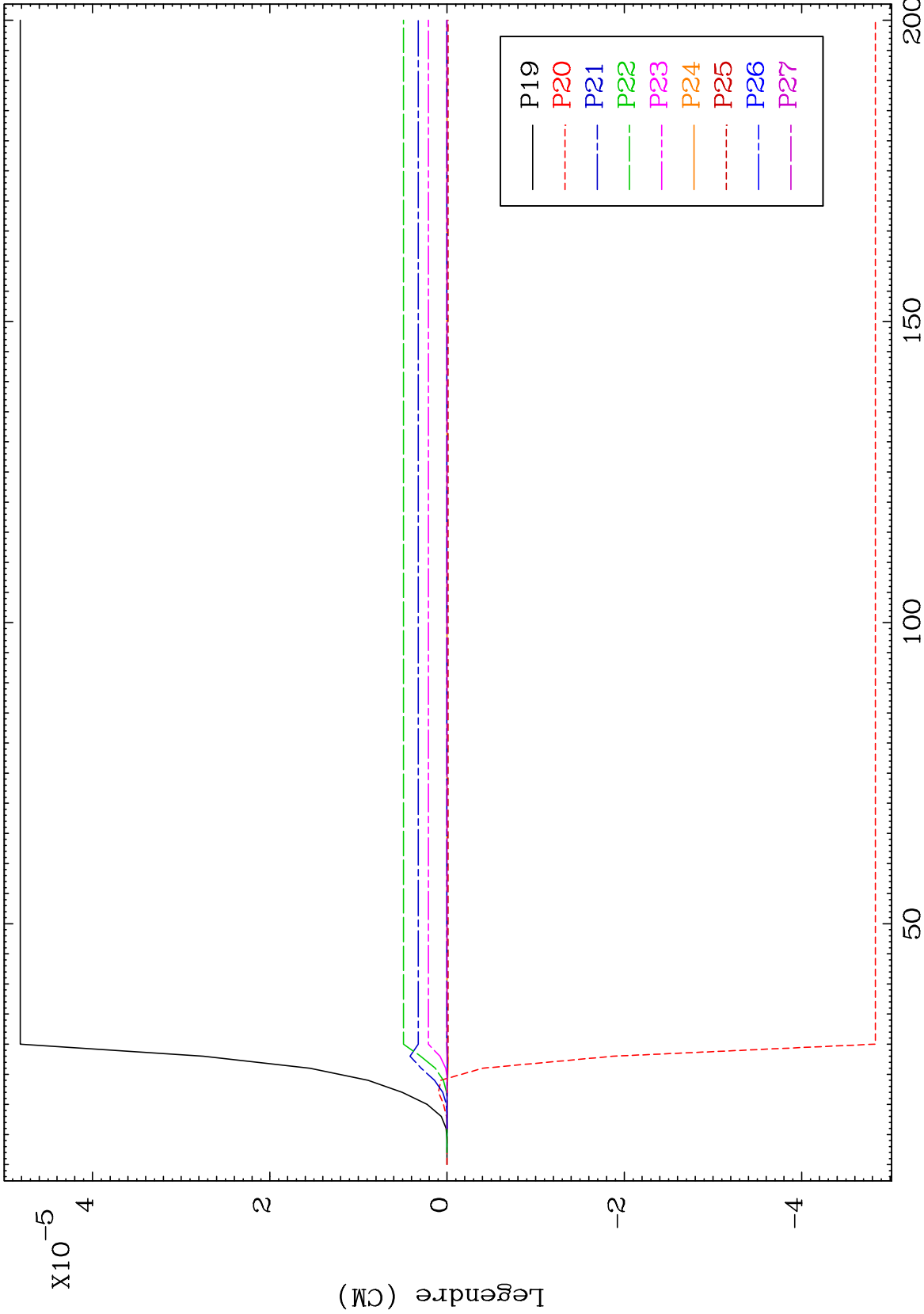
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



62

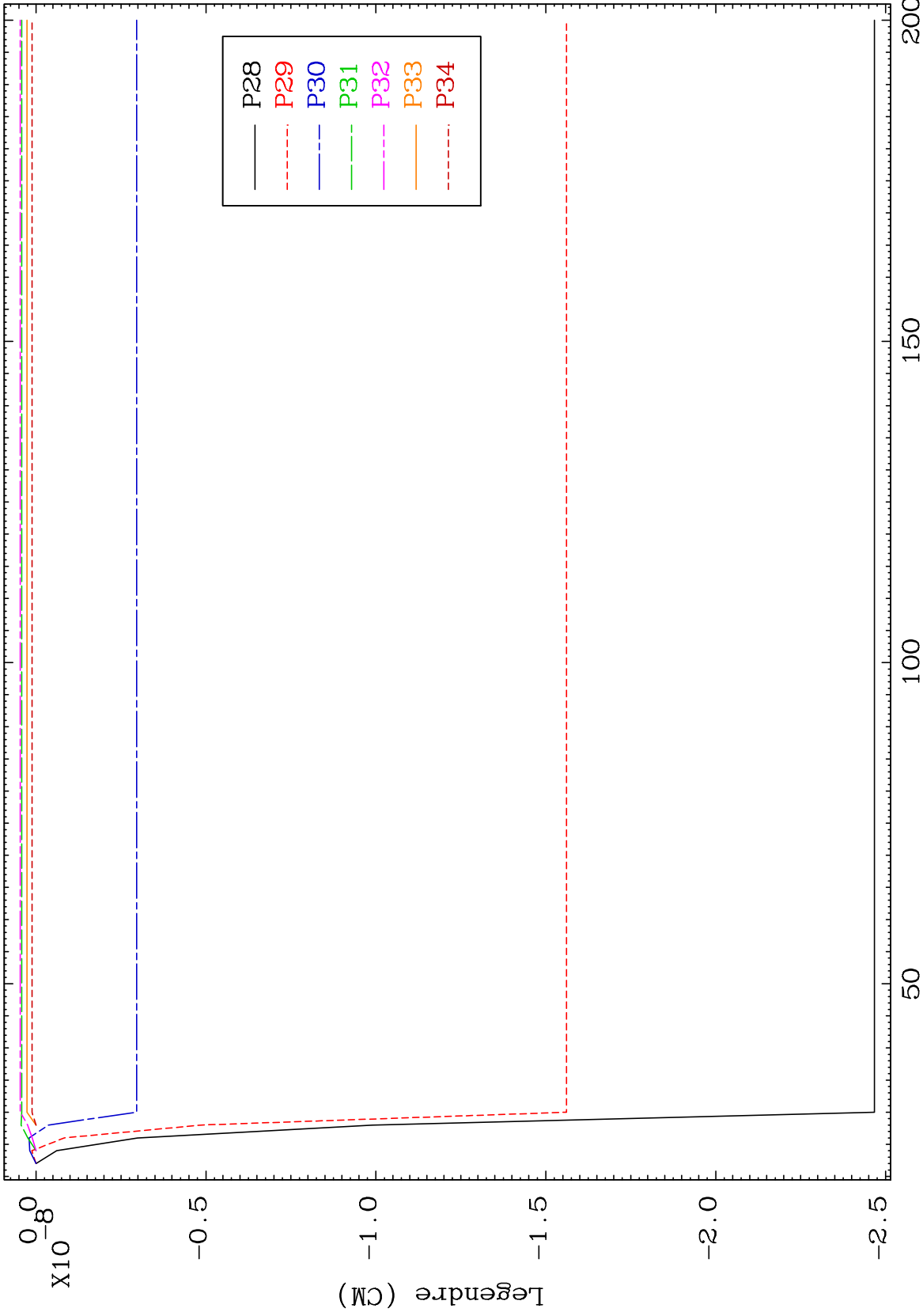
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



63

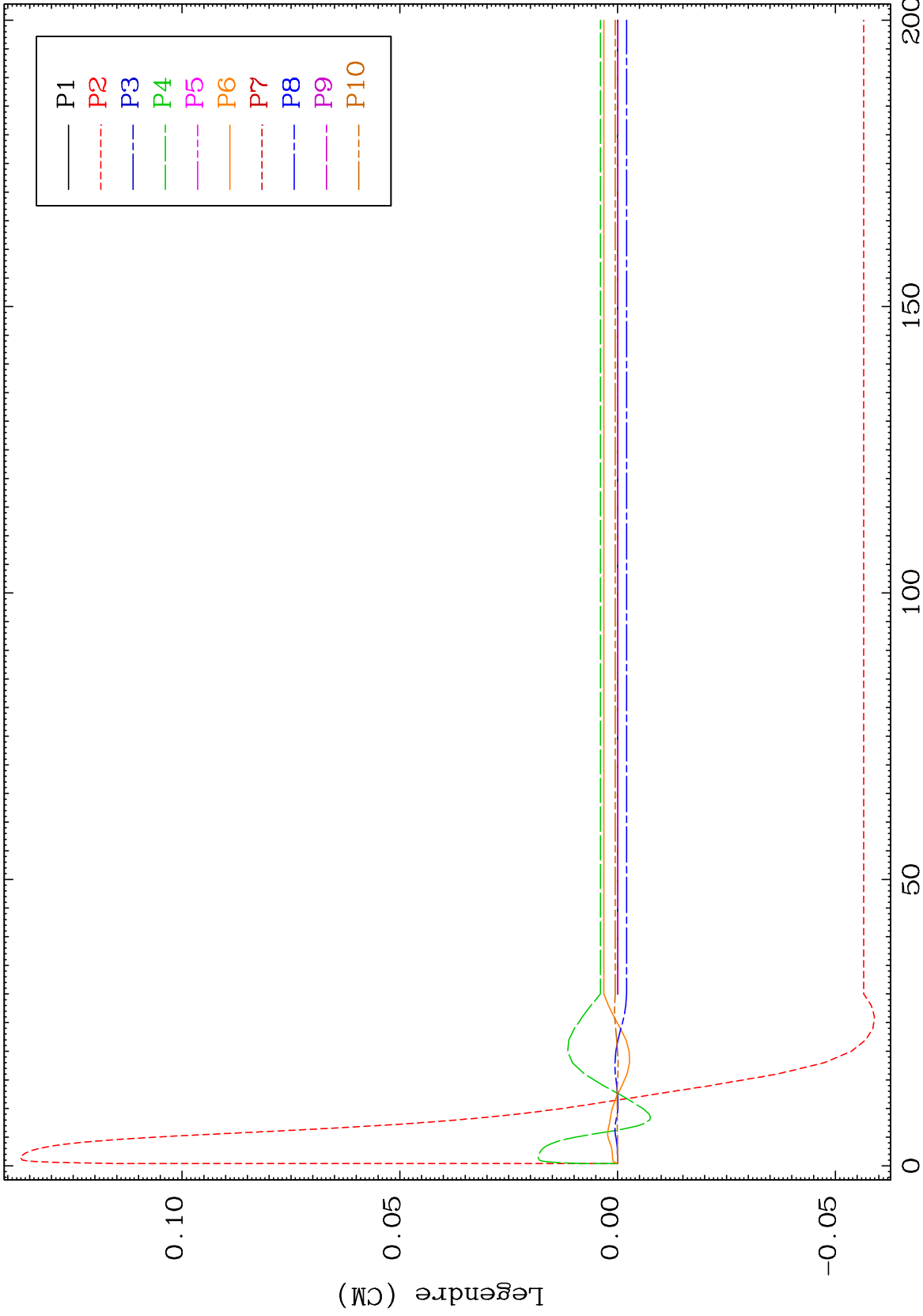
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



64

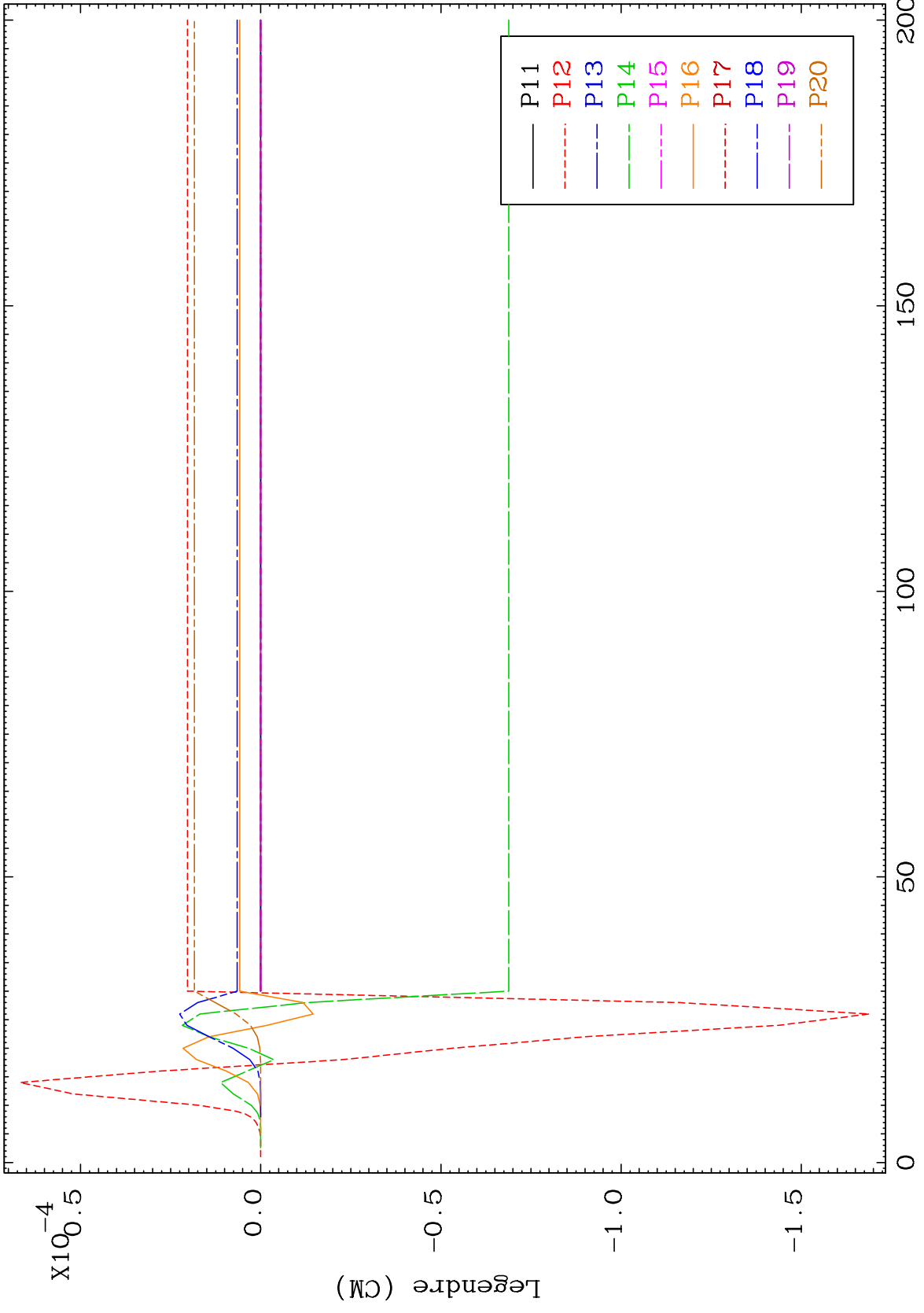
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



65

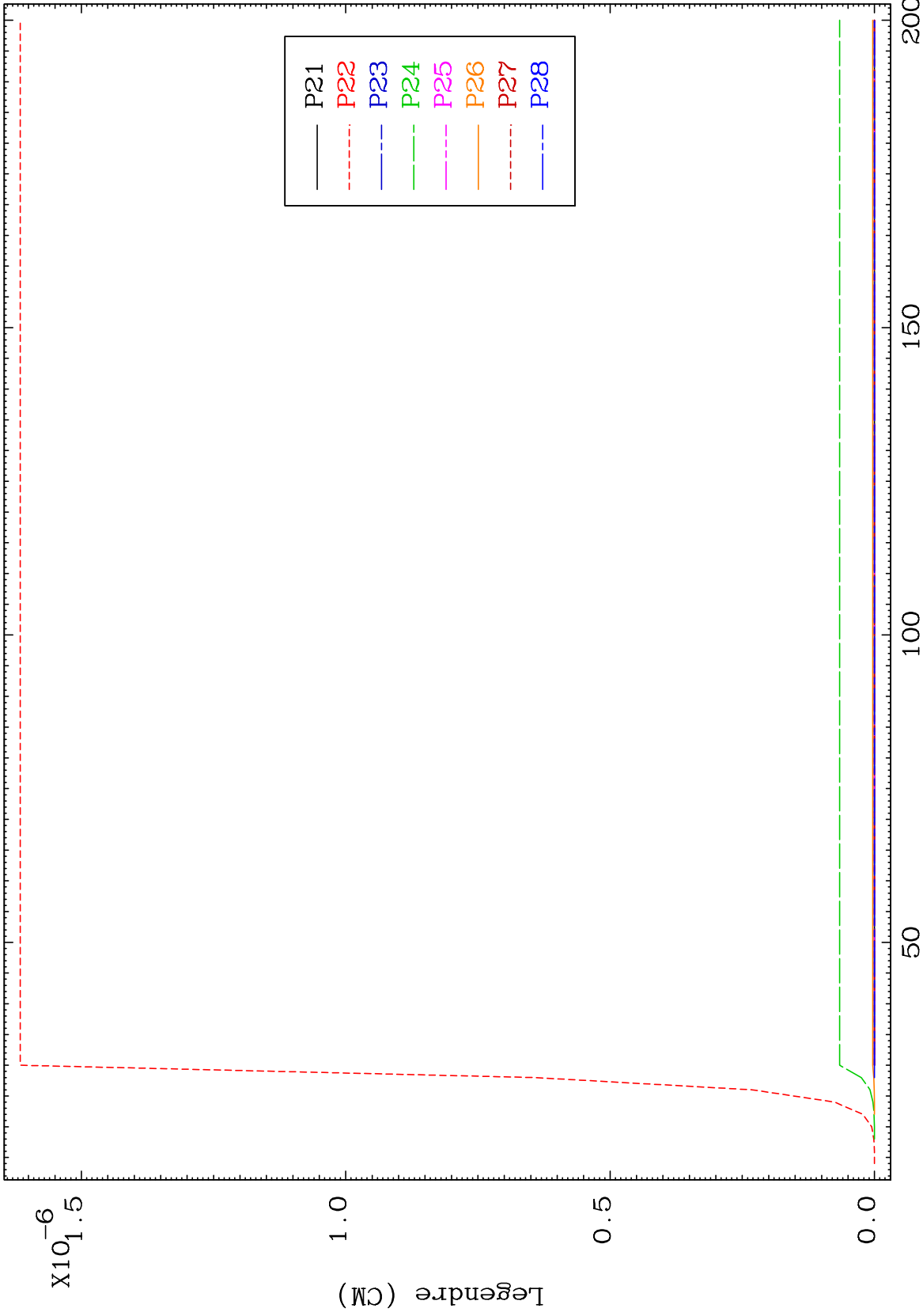
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



66

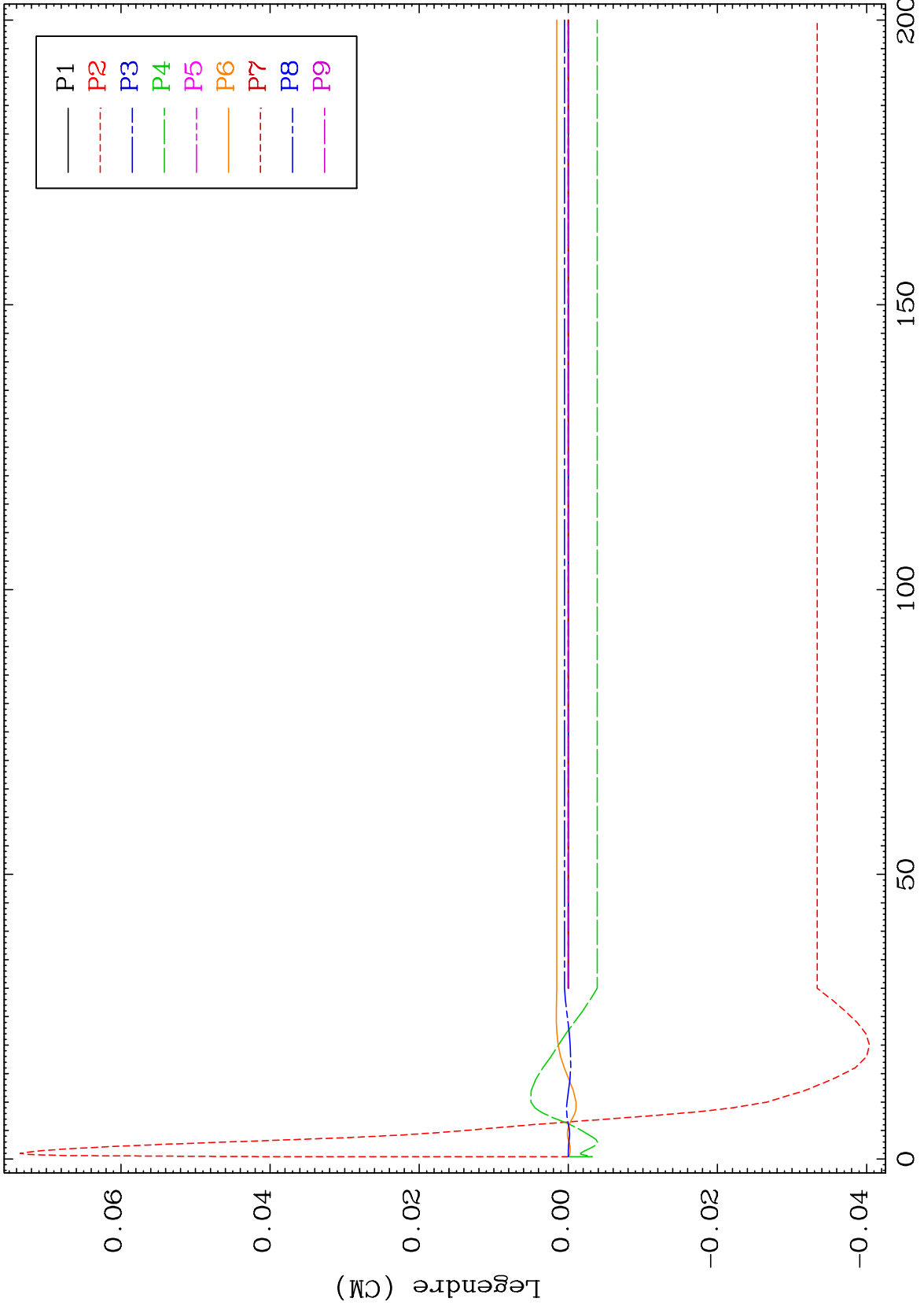
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



67

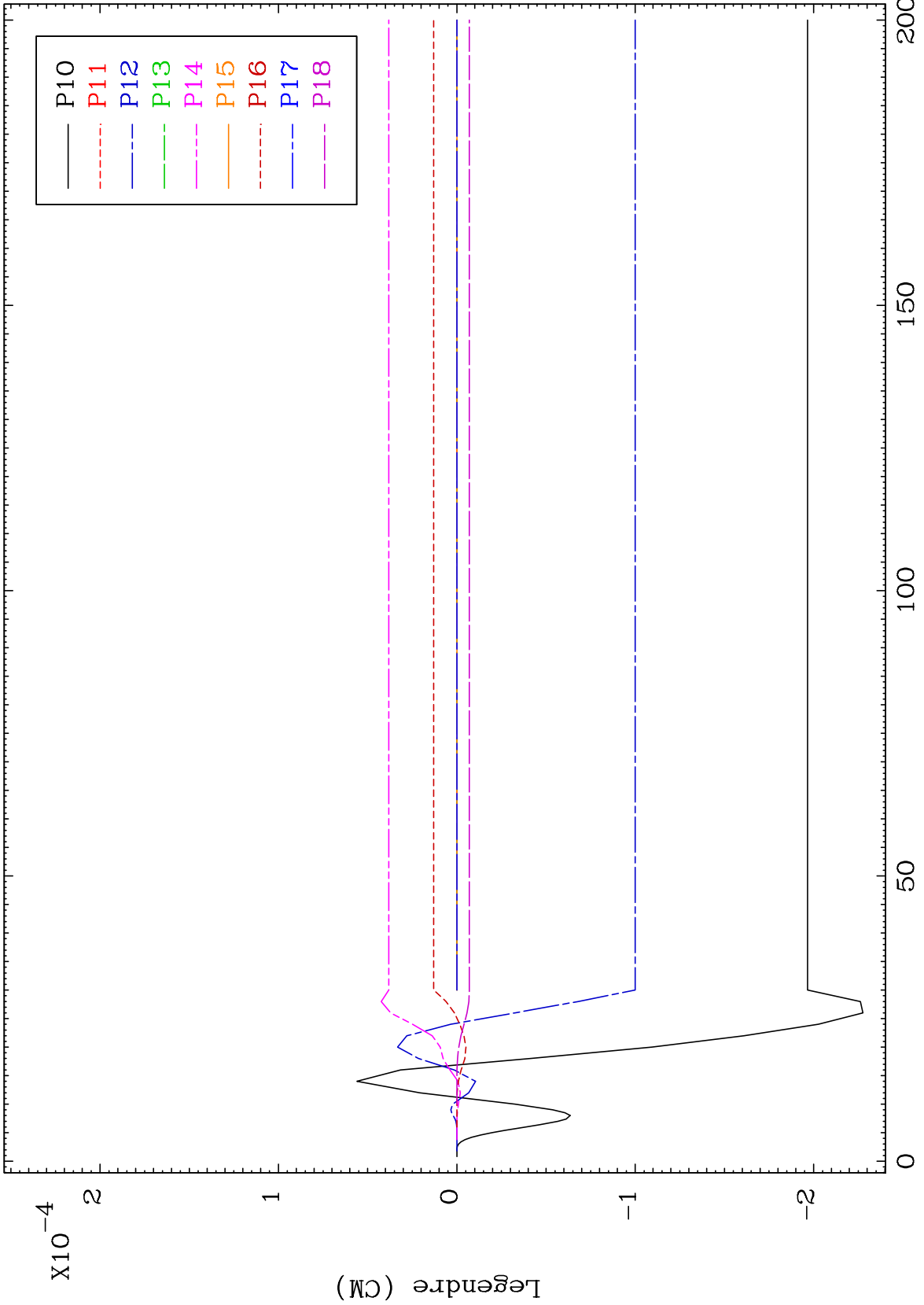
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192

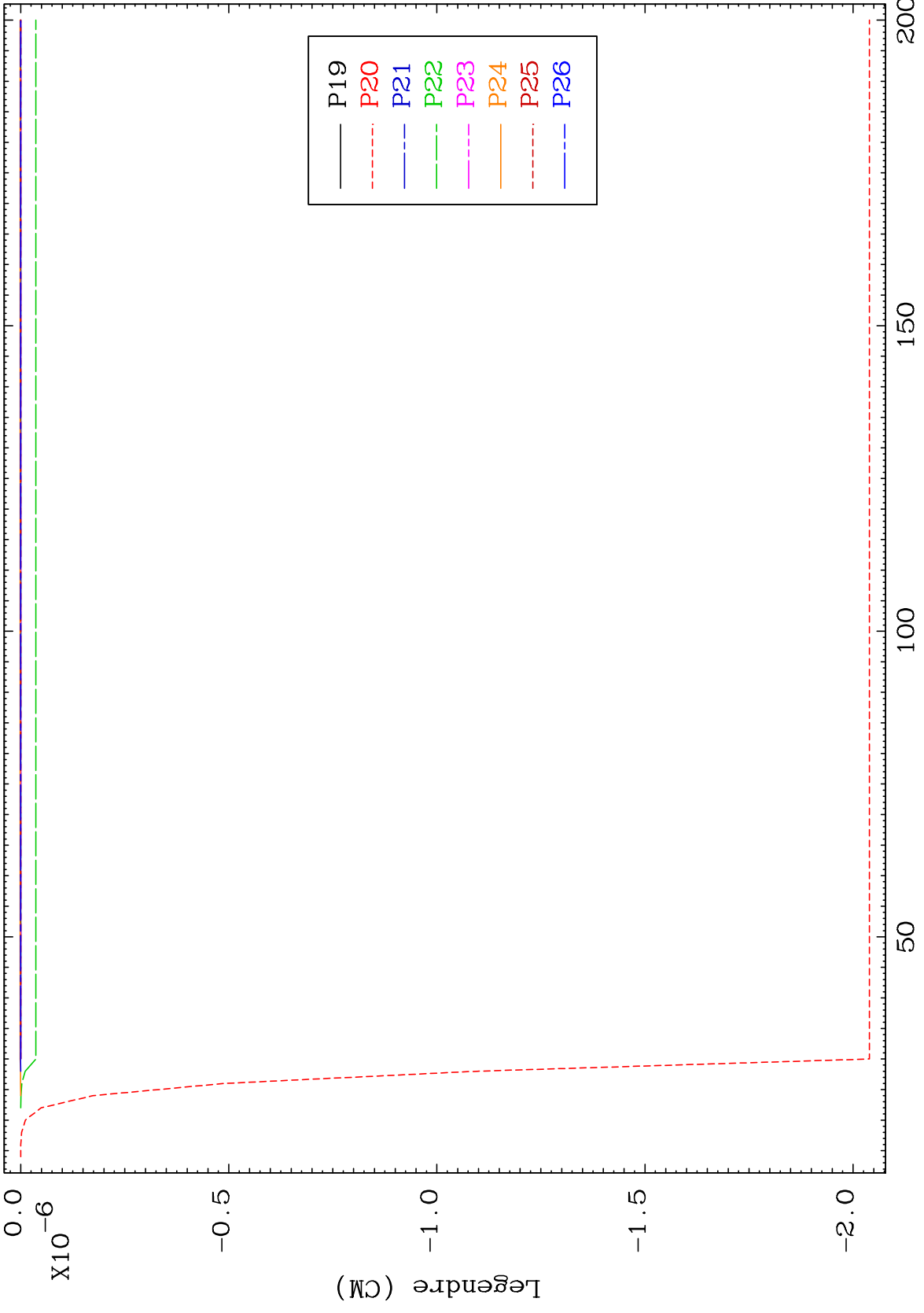


68

Incident Energy (MeV)

75-Re-192

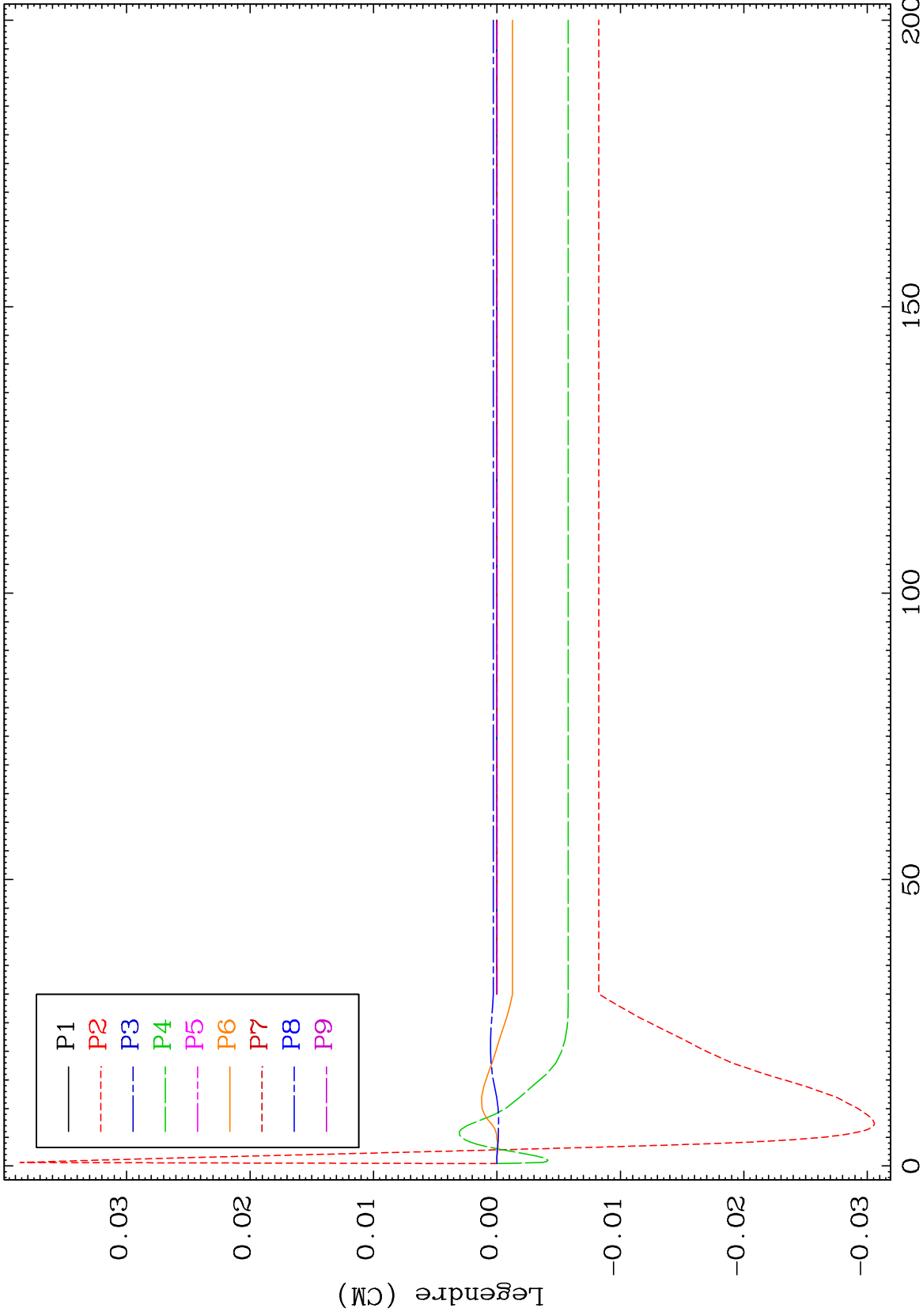
MAT 7546 MT= 64 (n,n') Level Legendre Coefficients 75-Re-192



MAT 7546

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

75-Re-192



70

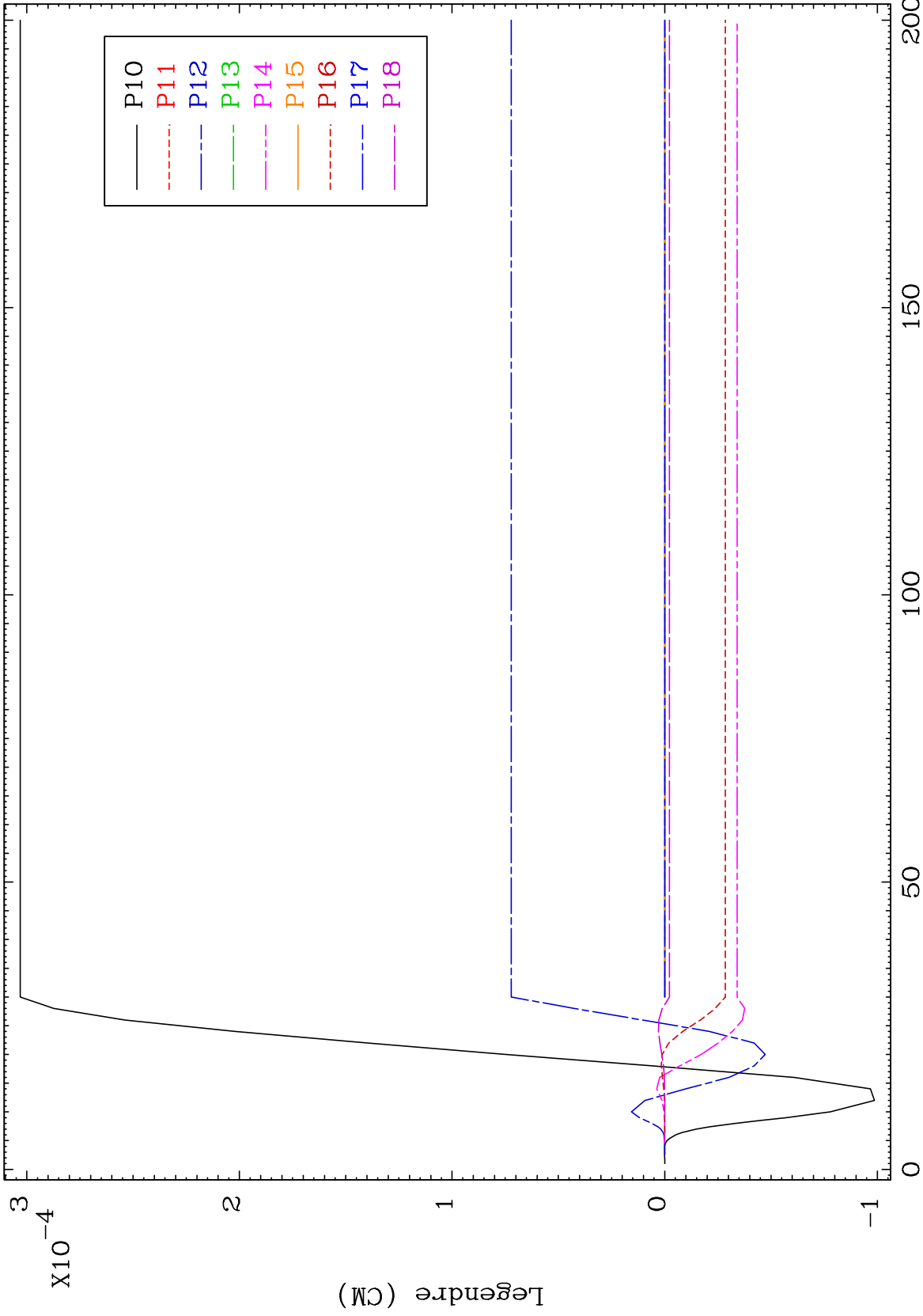
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192

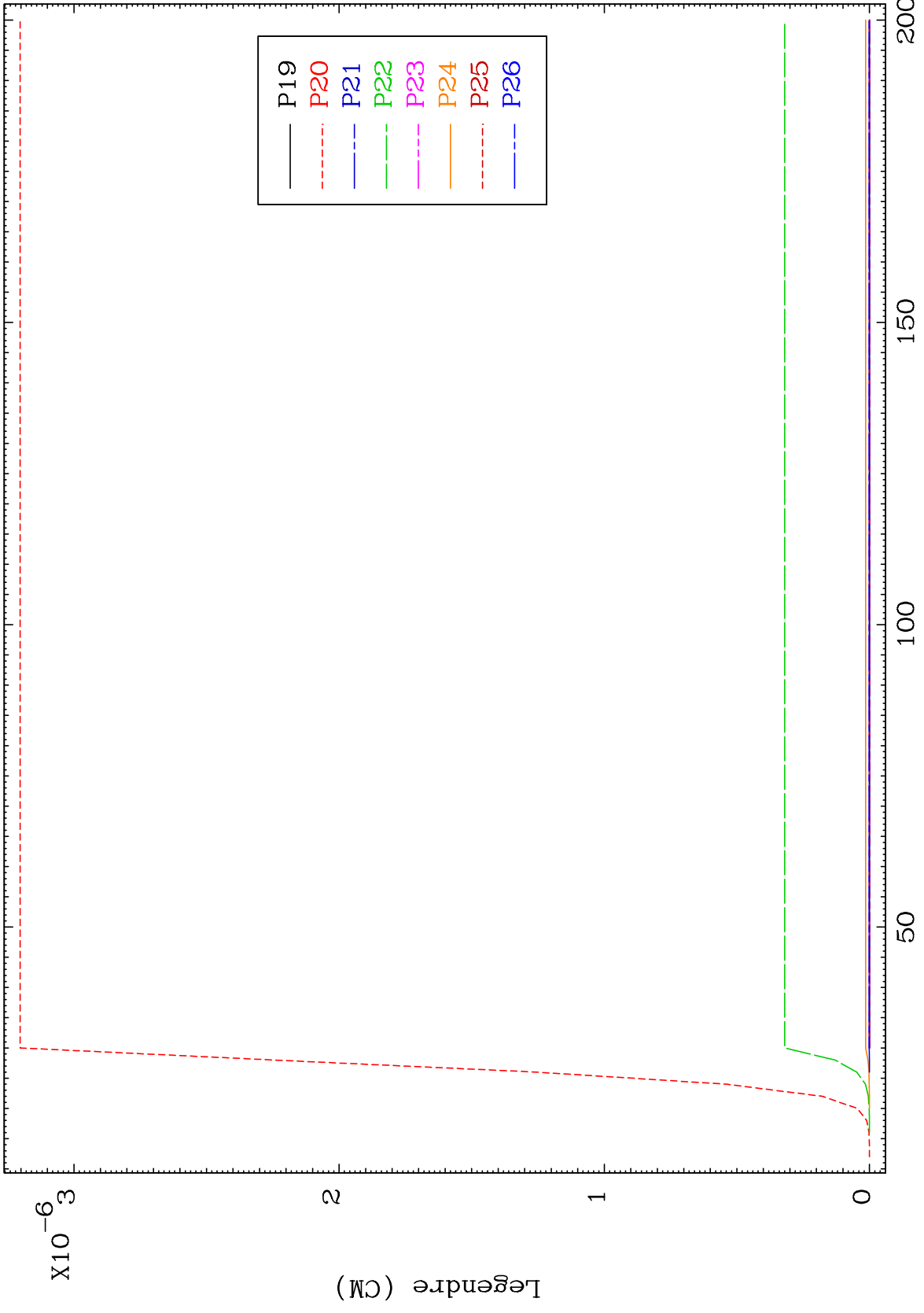


71

Incident Energy (MeV)

75-Re-192

MAT 7546 MT= 65 (n,n') Level Legendre Coefficients 75-Re-192

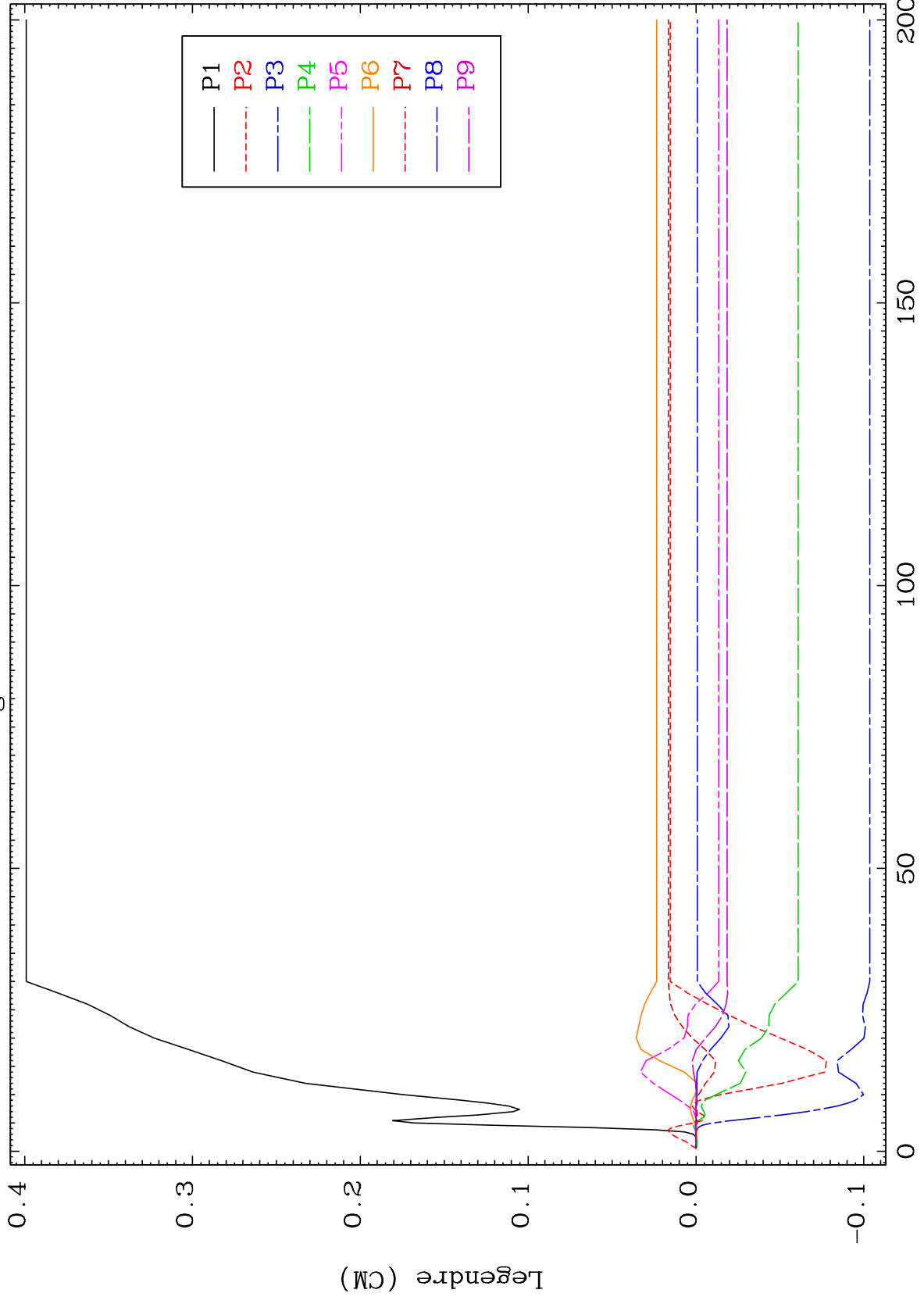


72 75-Re-192

MAT 7546

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

75-Re-192



73

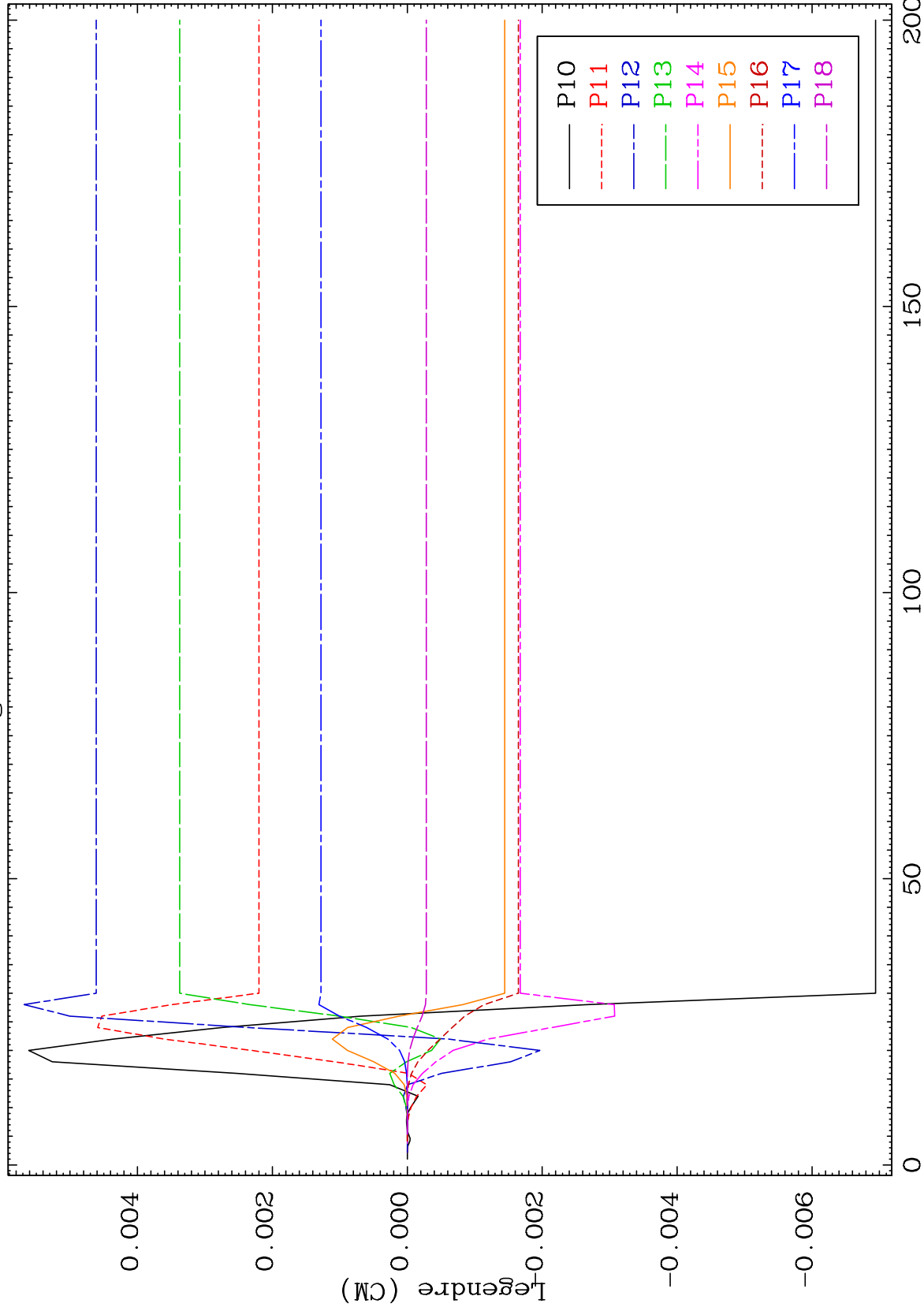
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



74

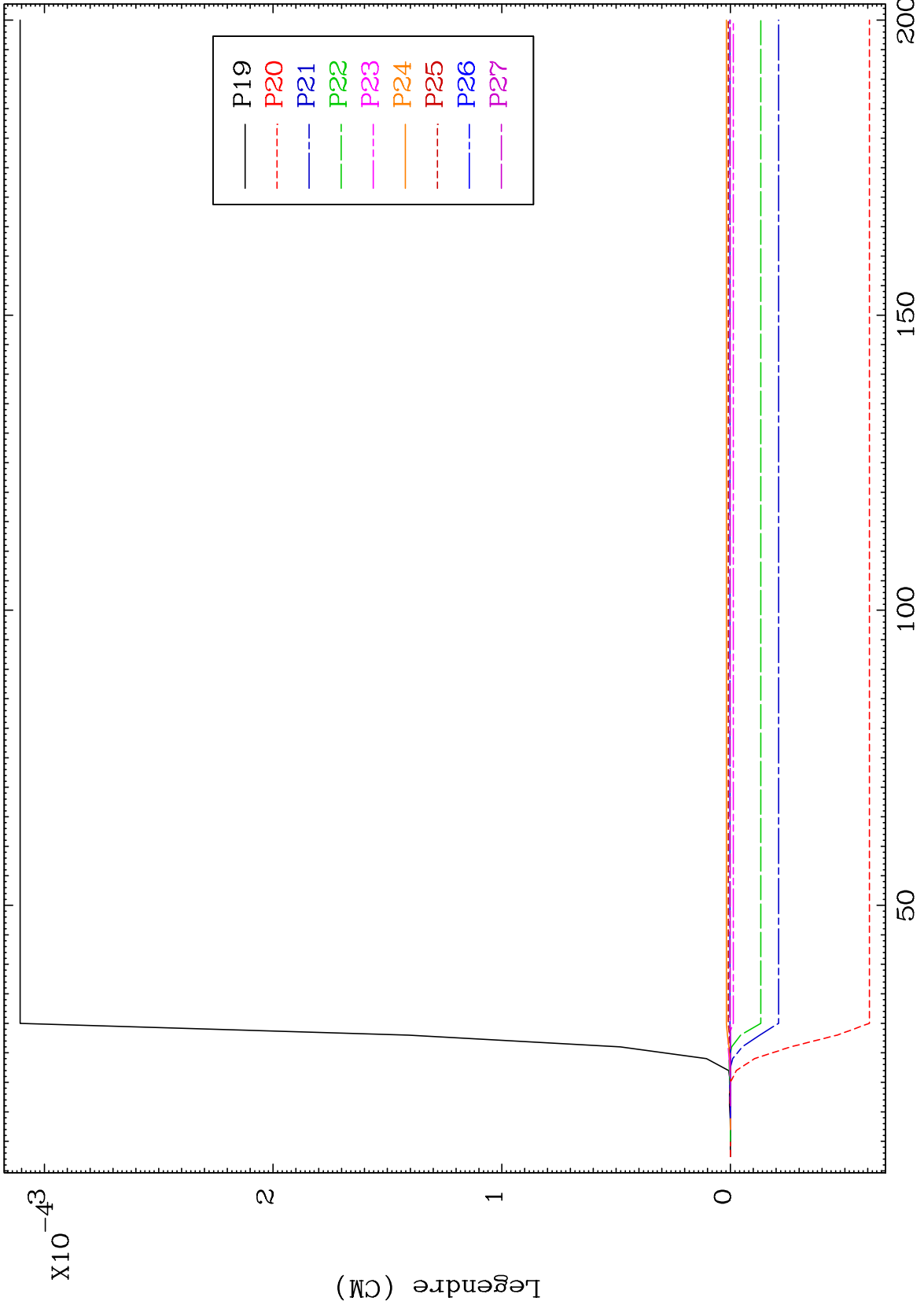
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



75

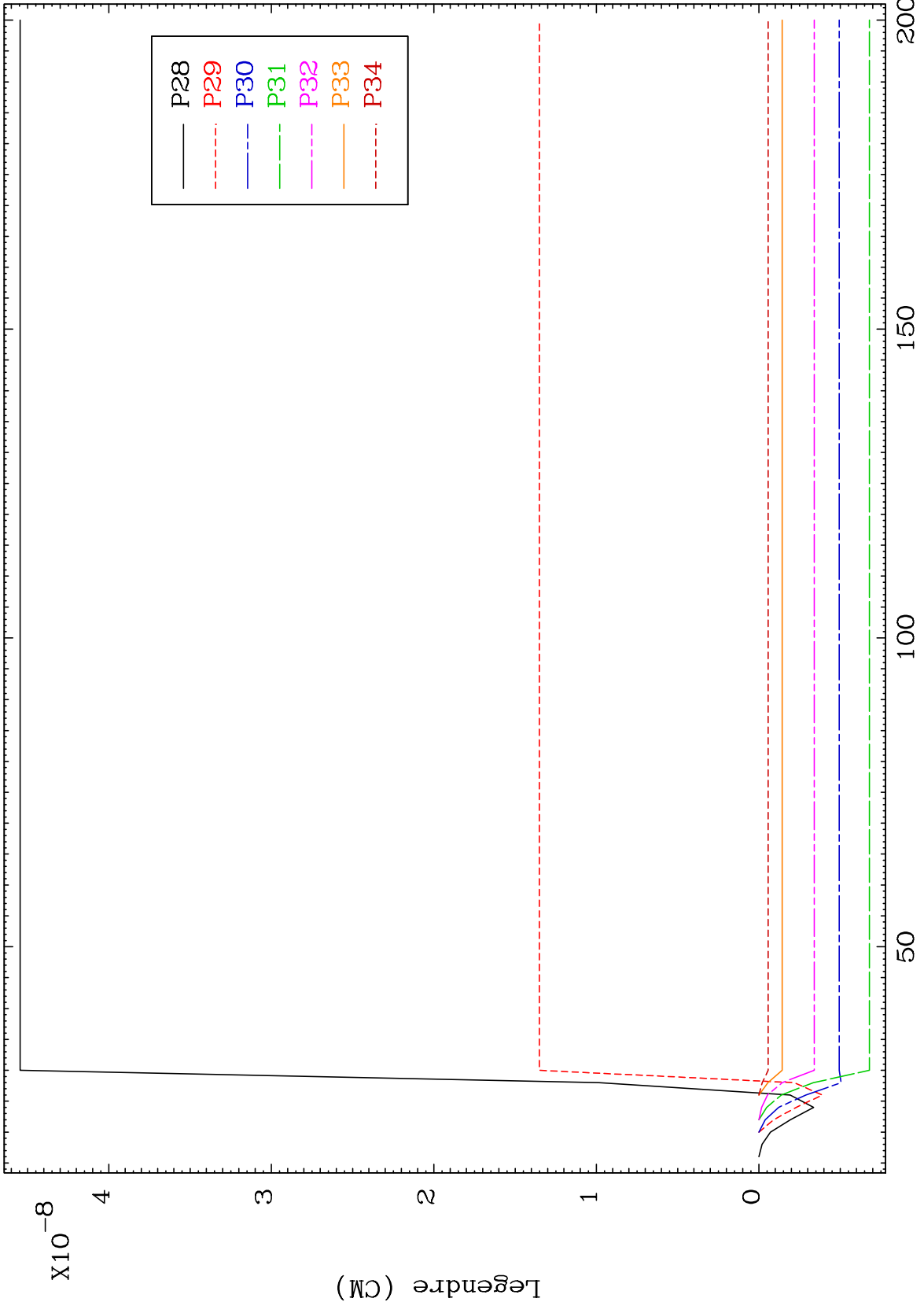
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



76

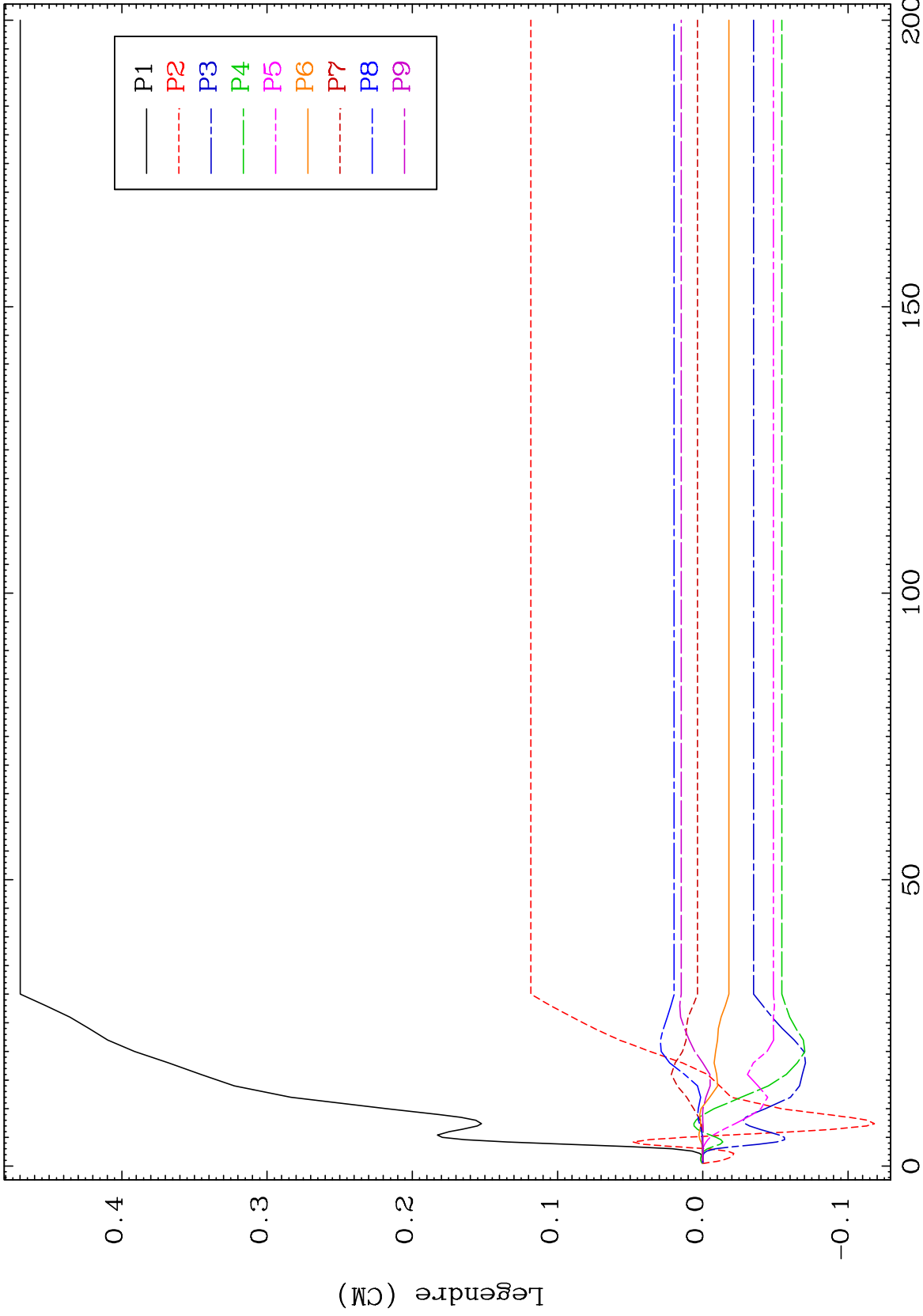
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



77

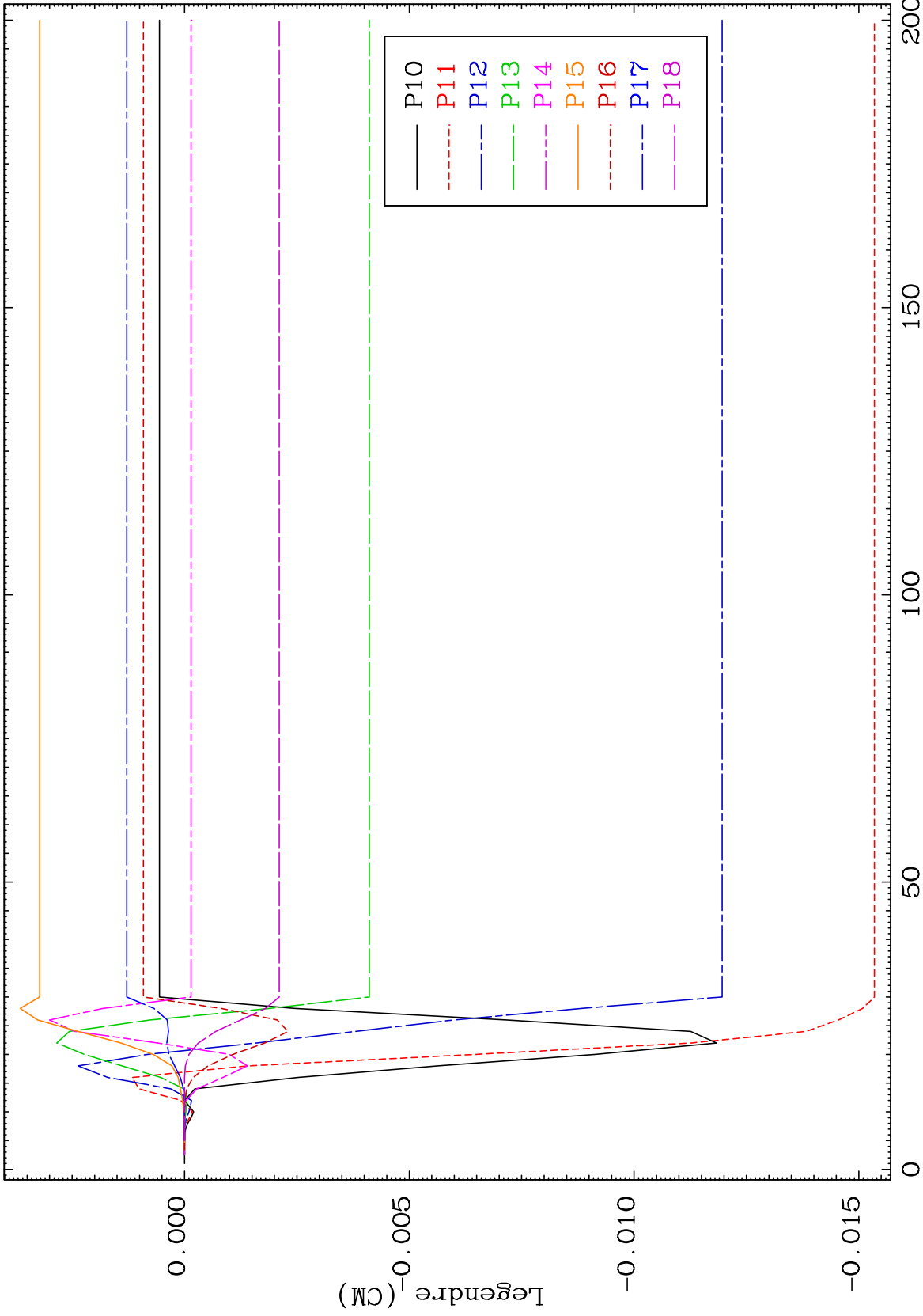
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



78

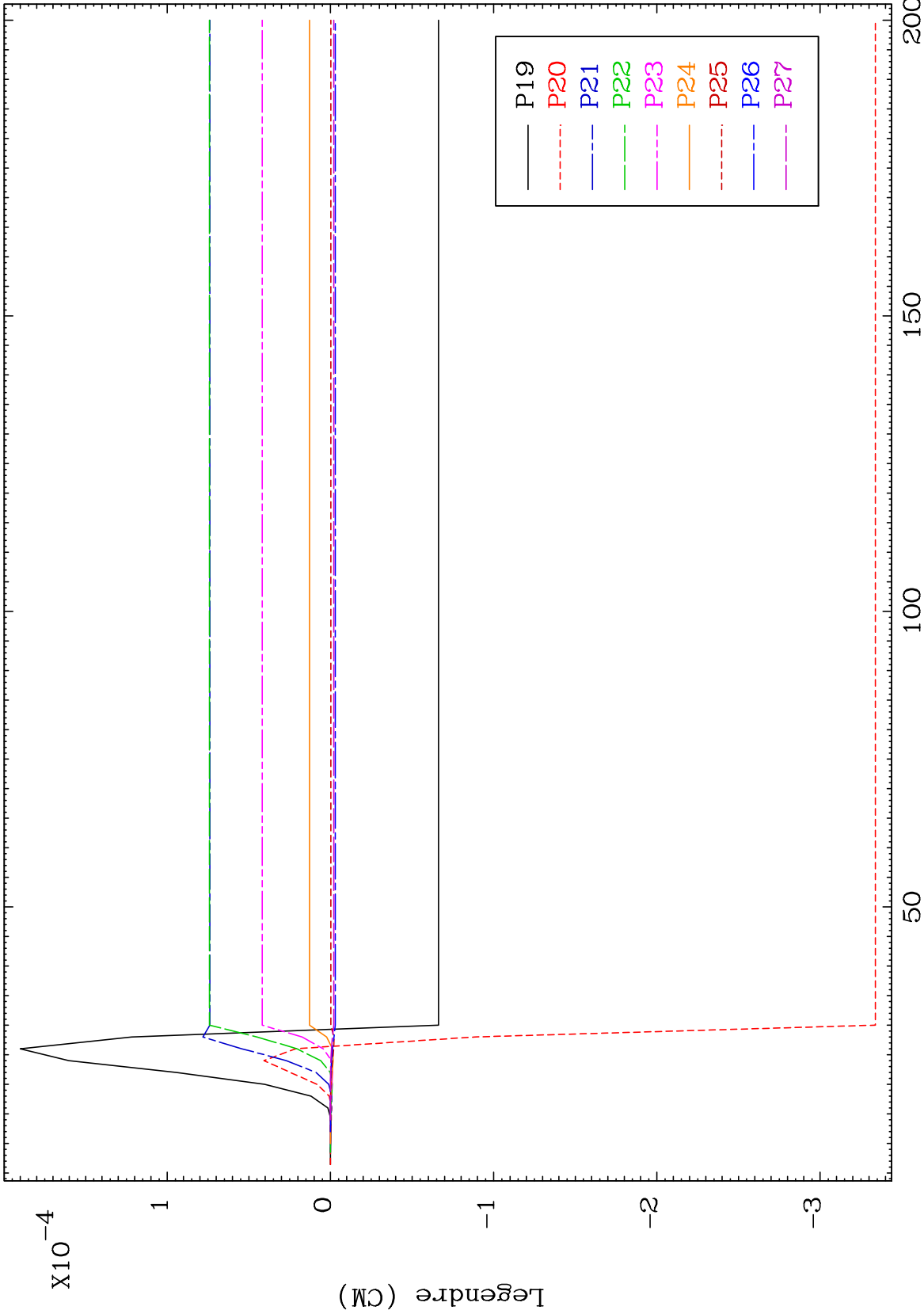
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192

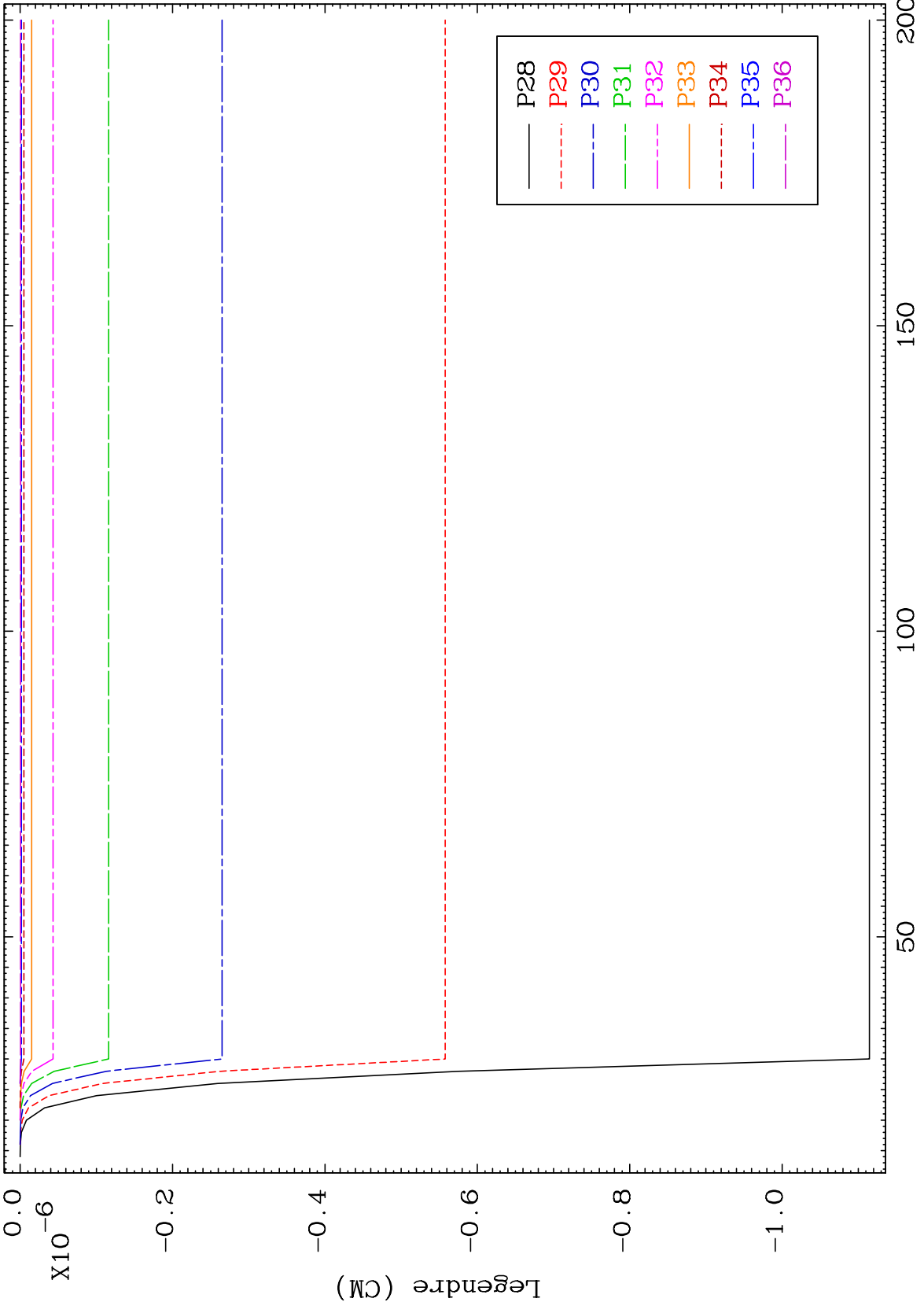


79

Incident Energy (MeV)

75-Re-192

MAT 7546 MT= 67 (n,n') Level Legendre Coefficients 75-Re-192

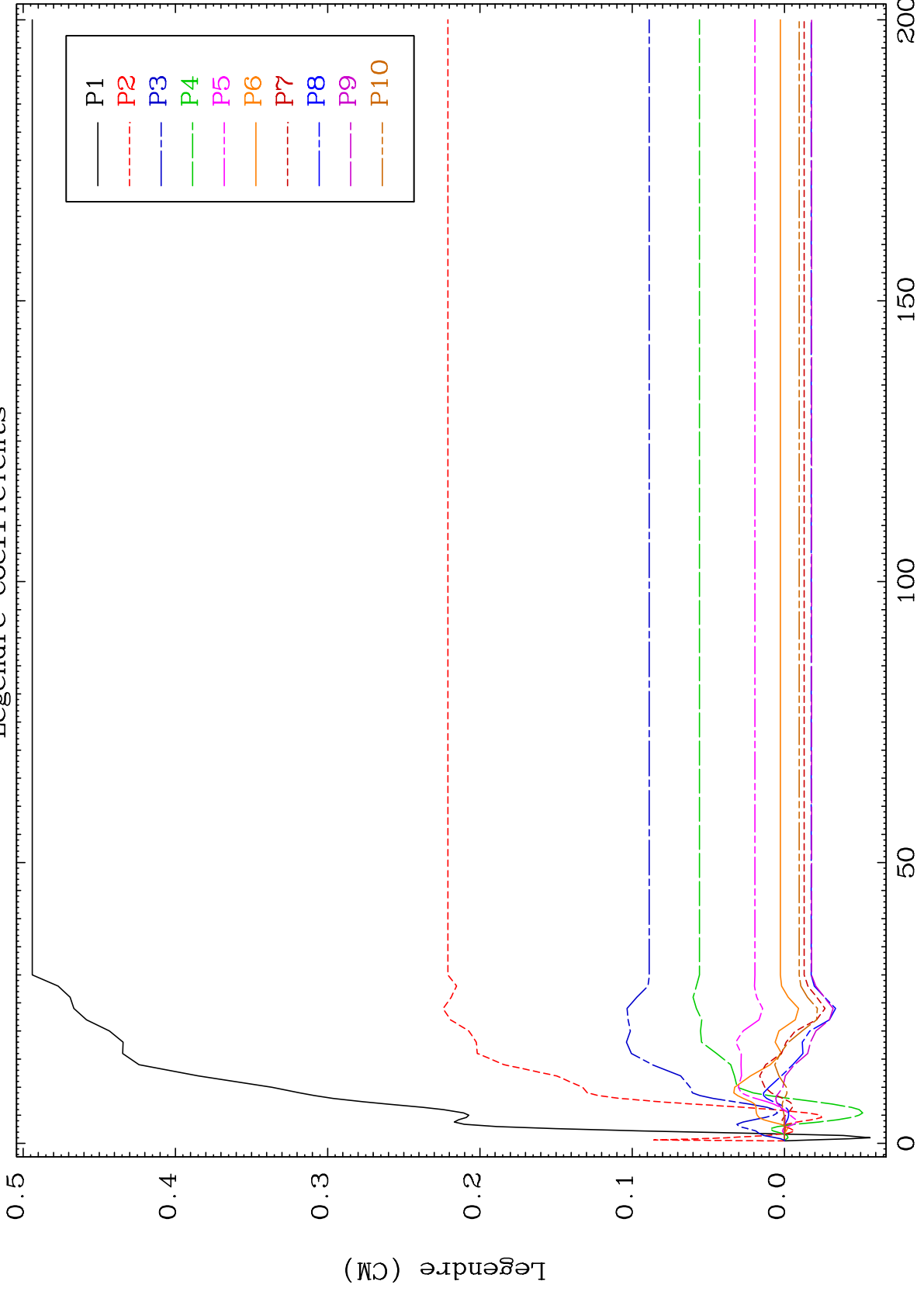


80 Incident Energy (MeV) 75-Re-192

MAT 7546

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

75-Re-192



81

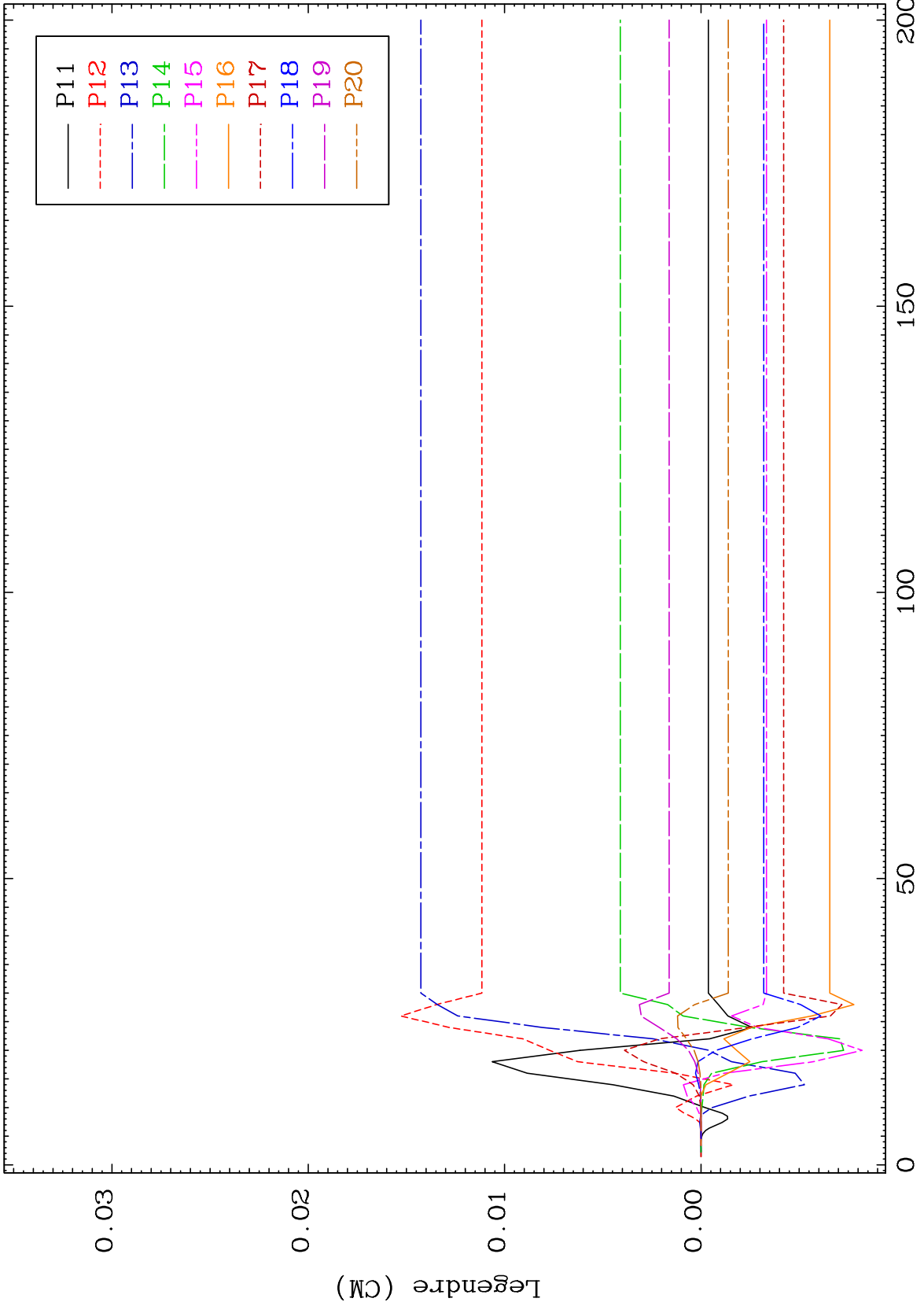
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



82

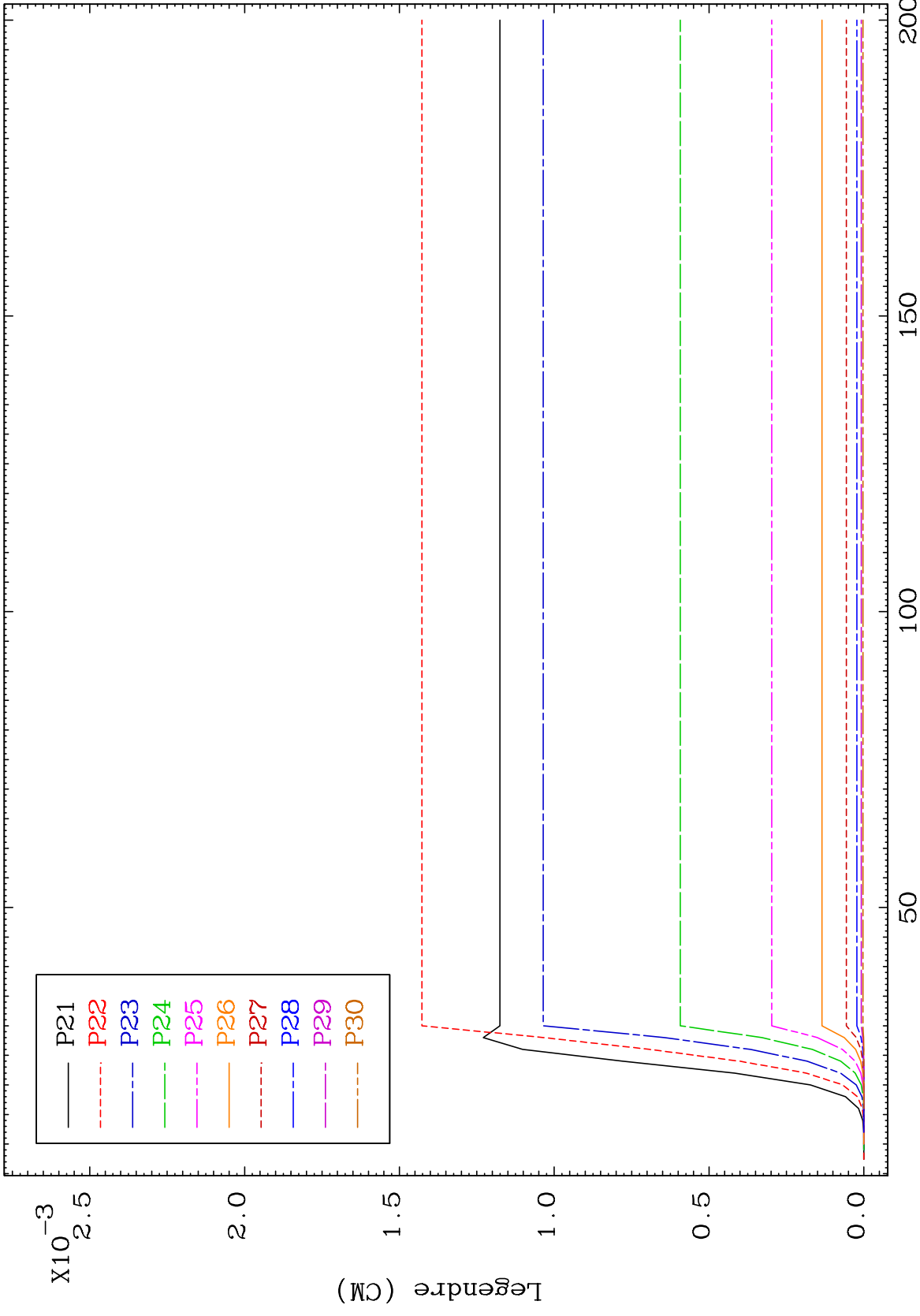
Incident Energy (MeV)

75-Re-192

MAT 7546

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

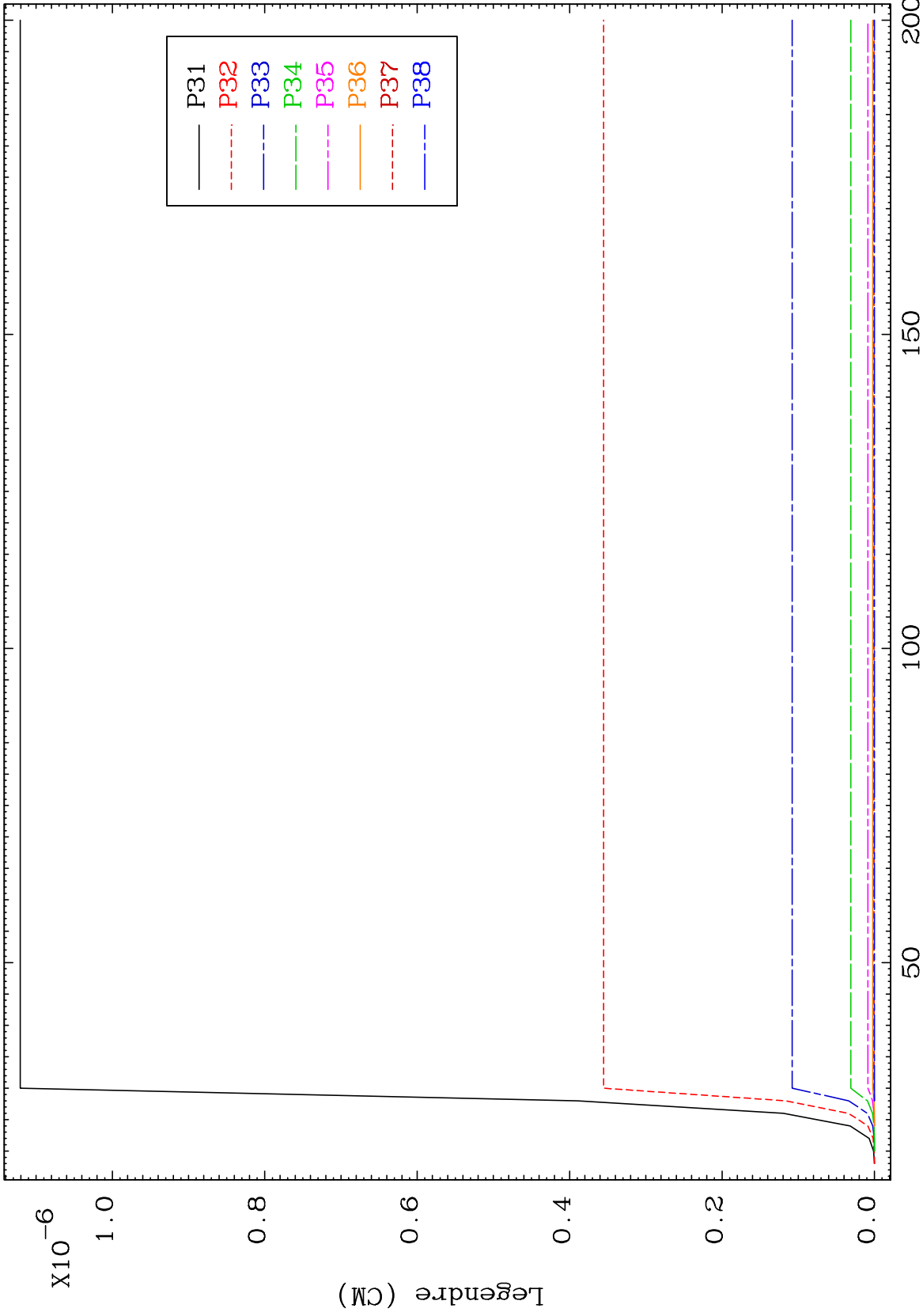
75-Re-192



MAT 7546

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

75-Re-192



84

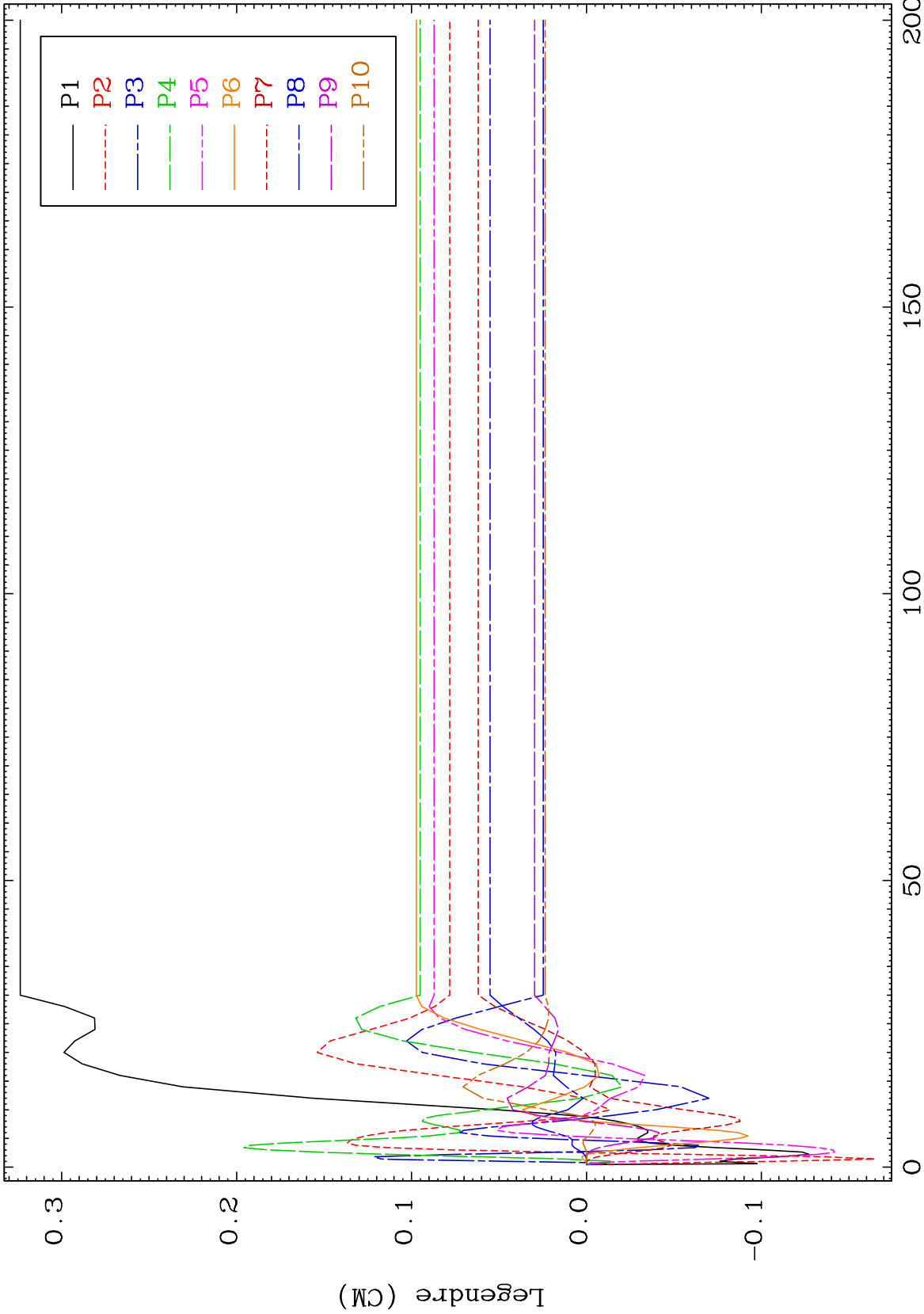
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



85

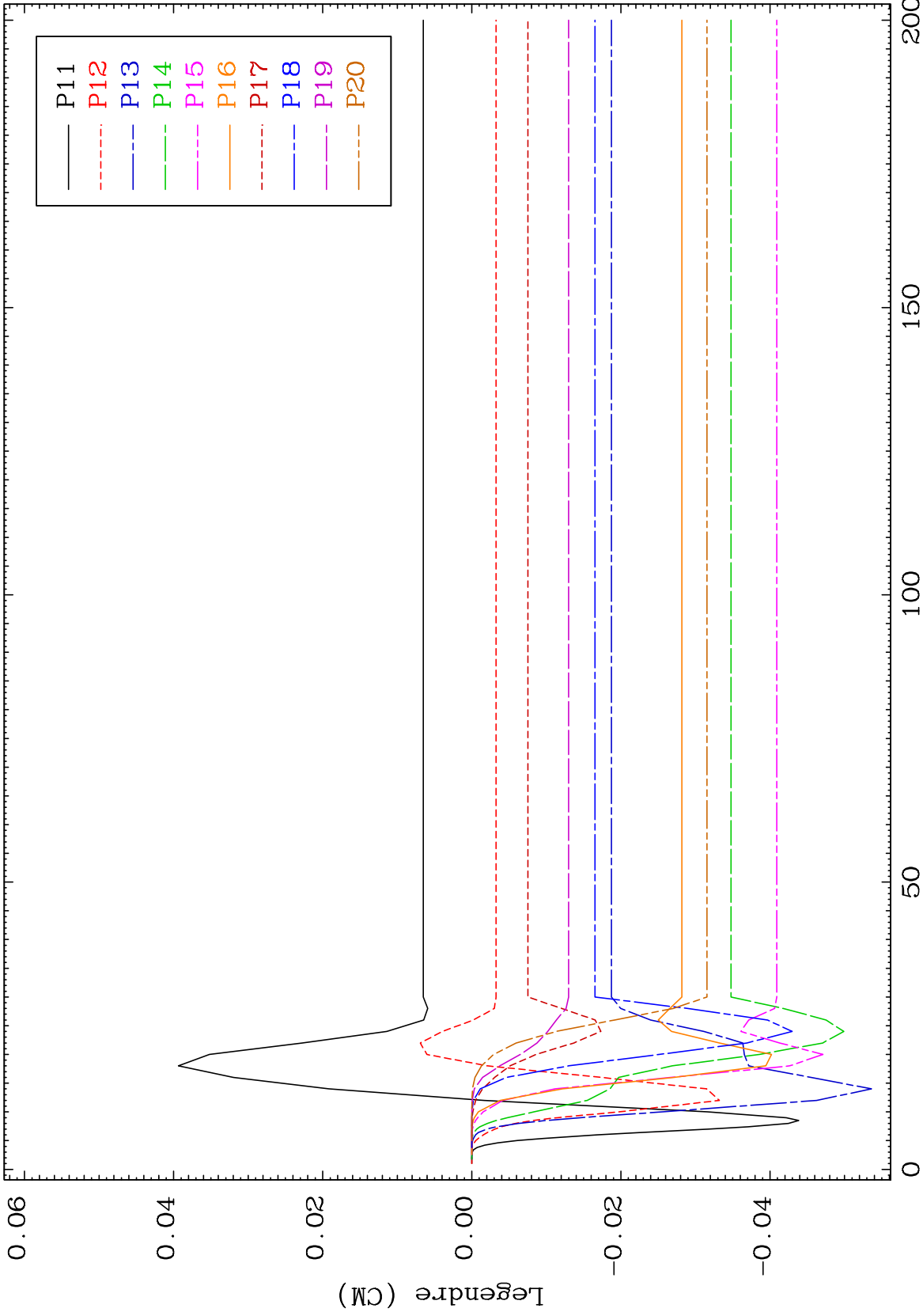
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



86

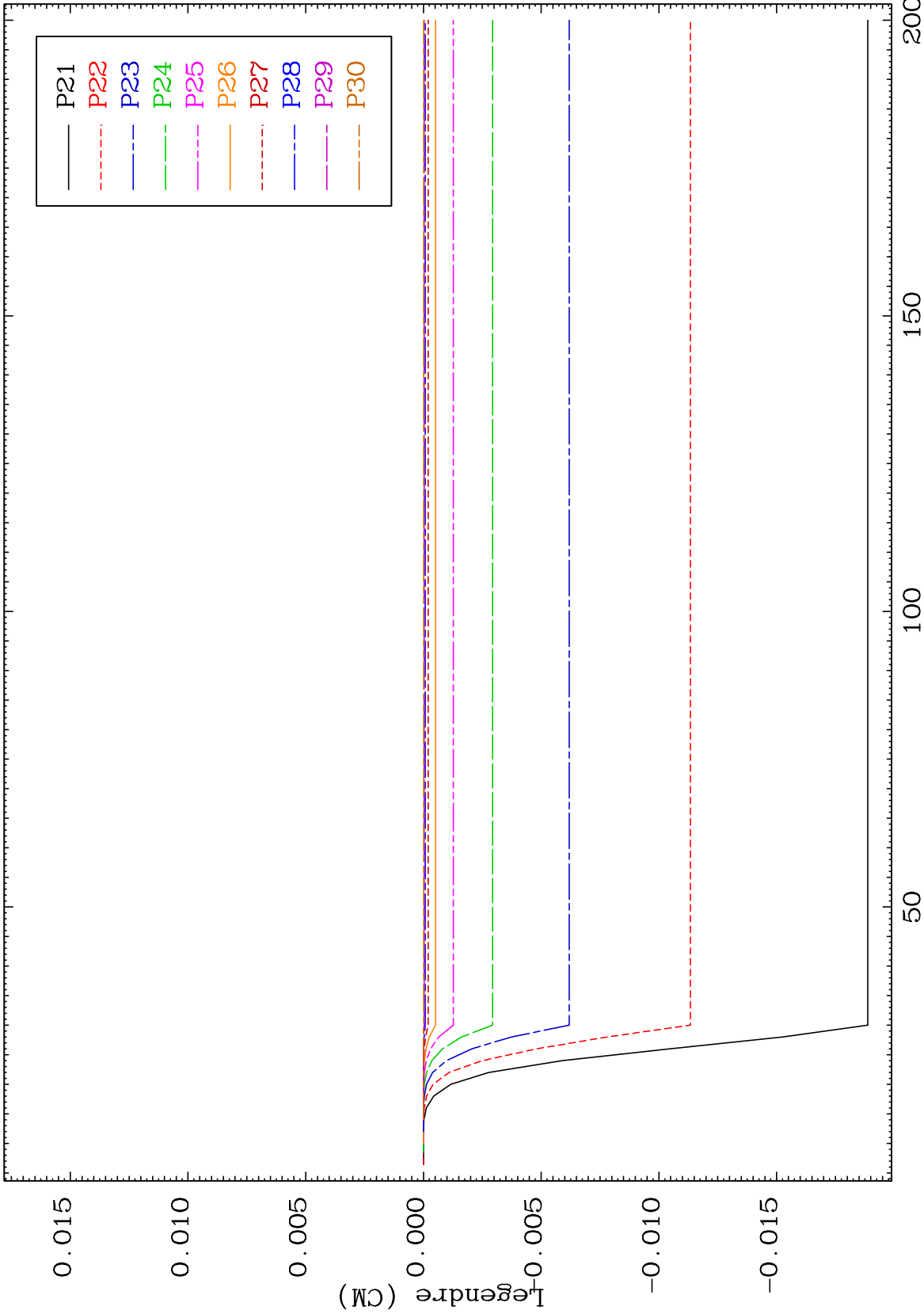
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



87

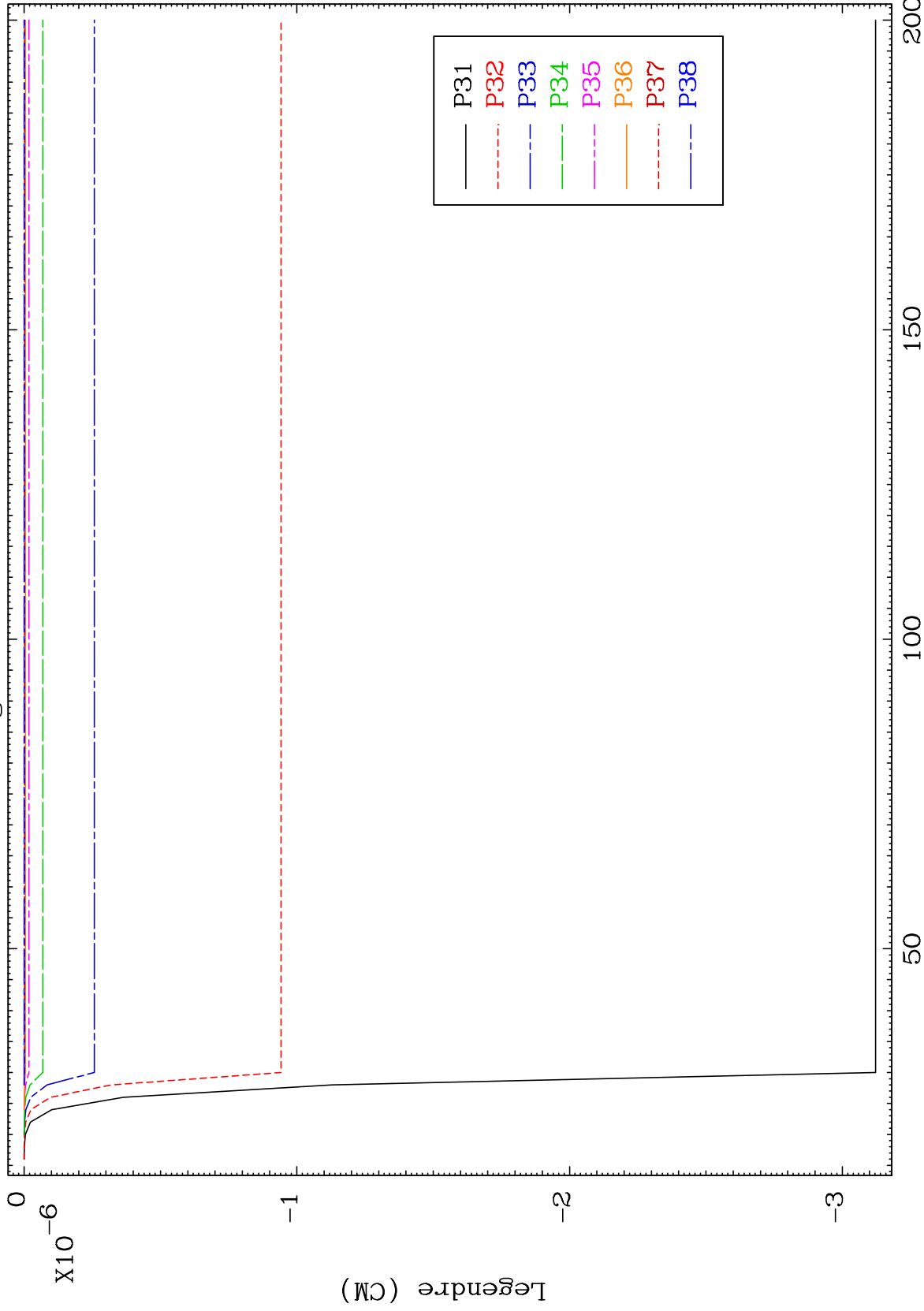
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



75-Re-192

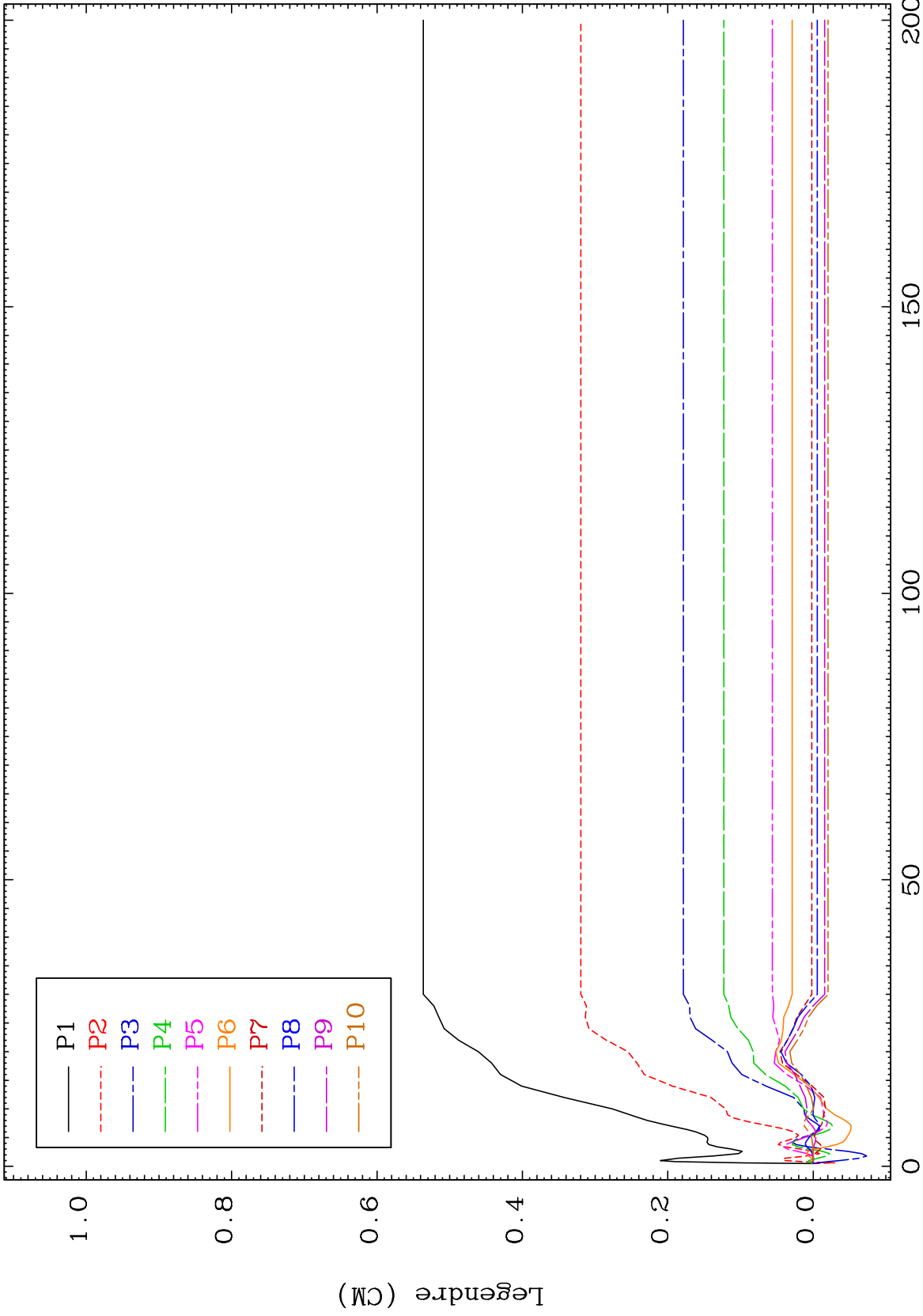
Incident Energy (MeV)

88

MAT 7546

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

75-Re-192



89

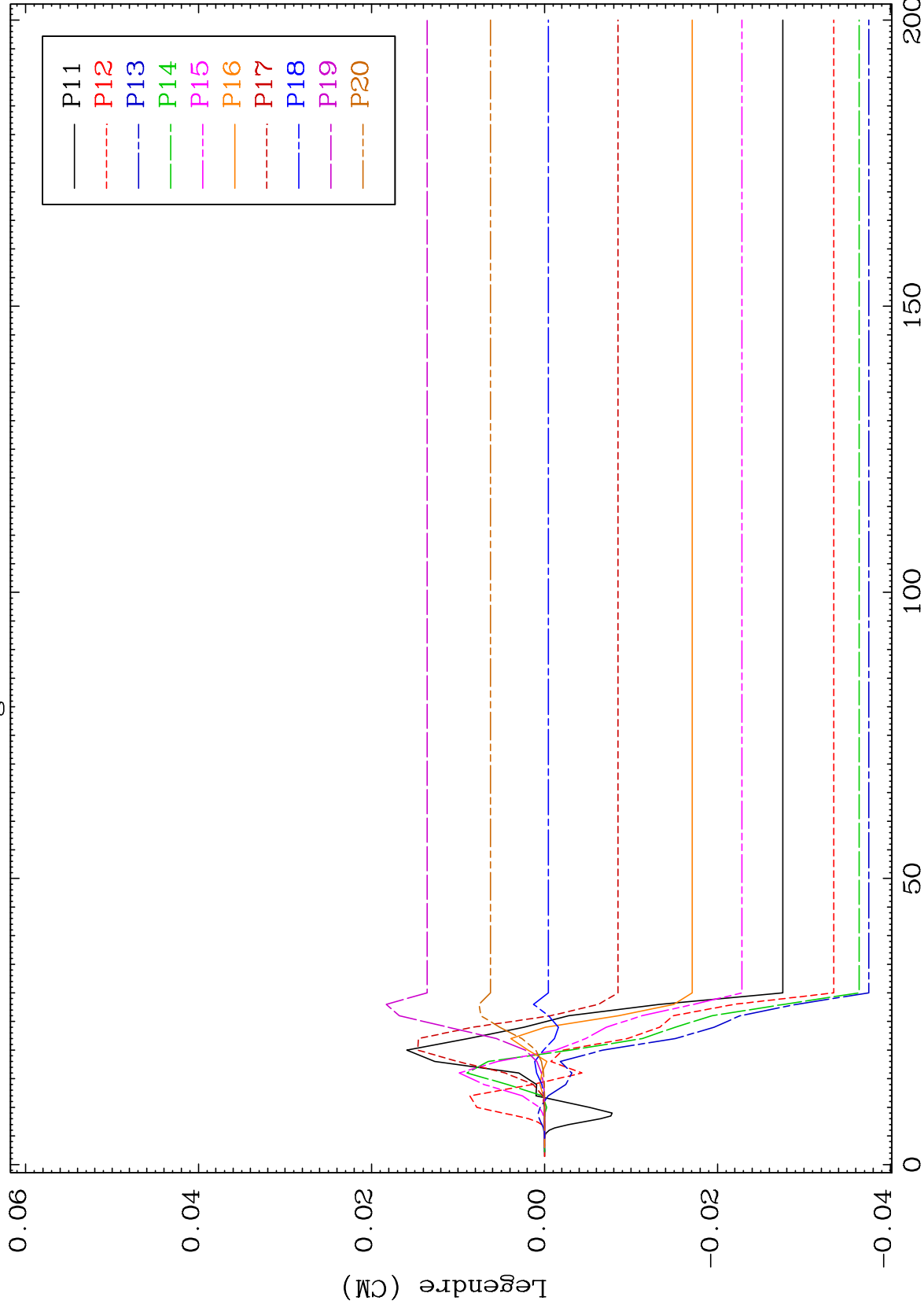
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



90

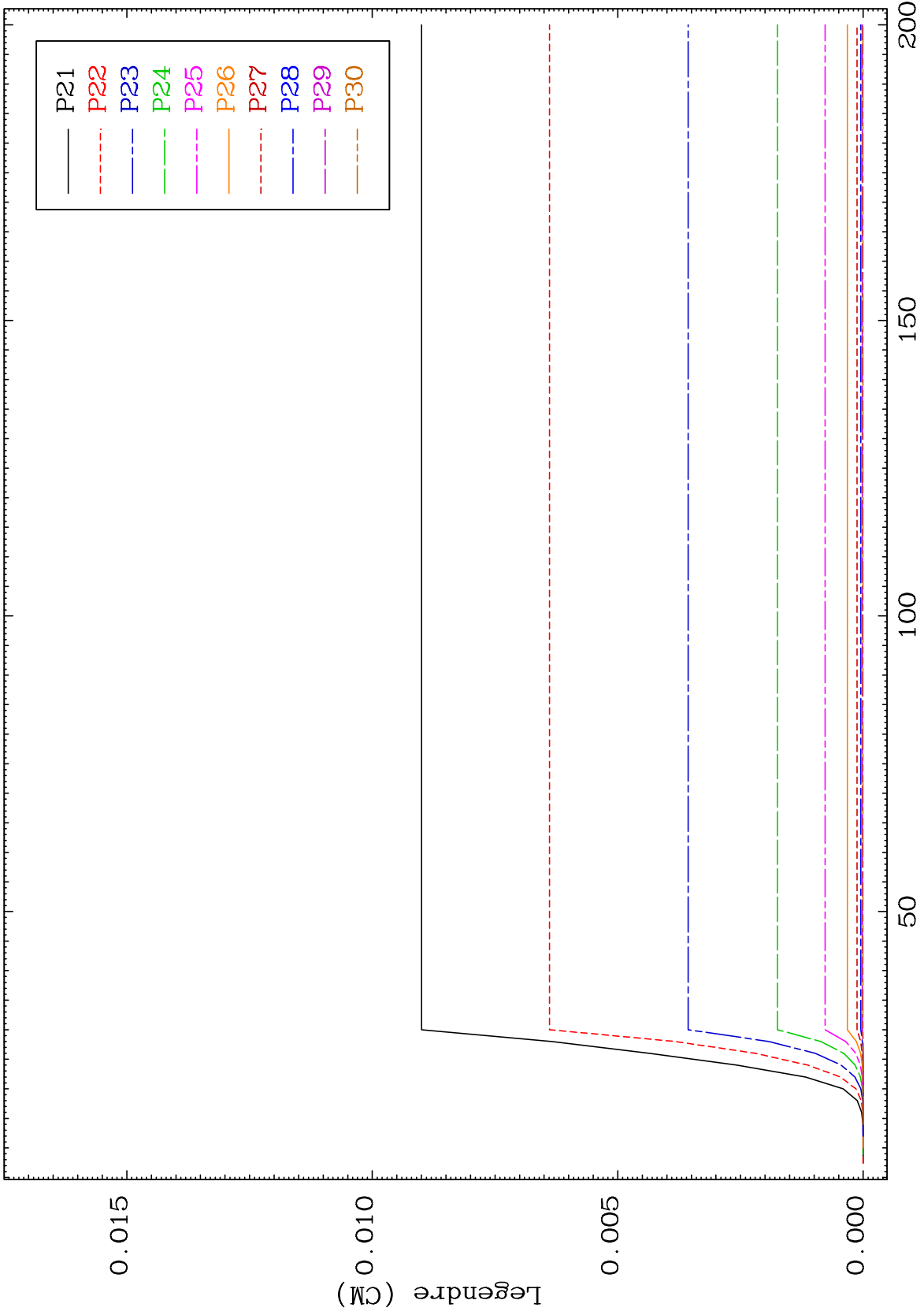
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



91

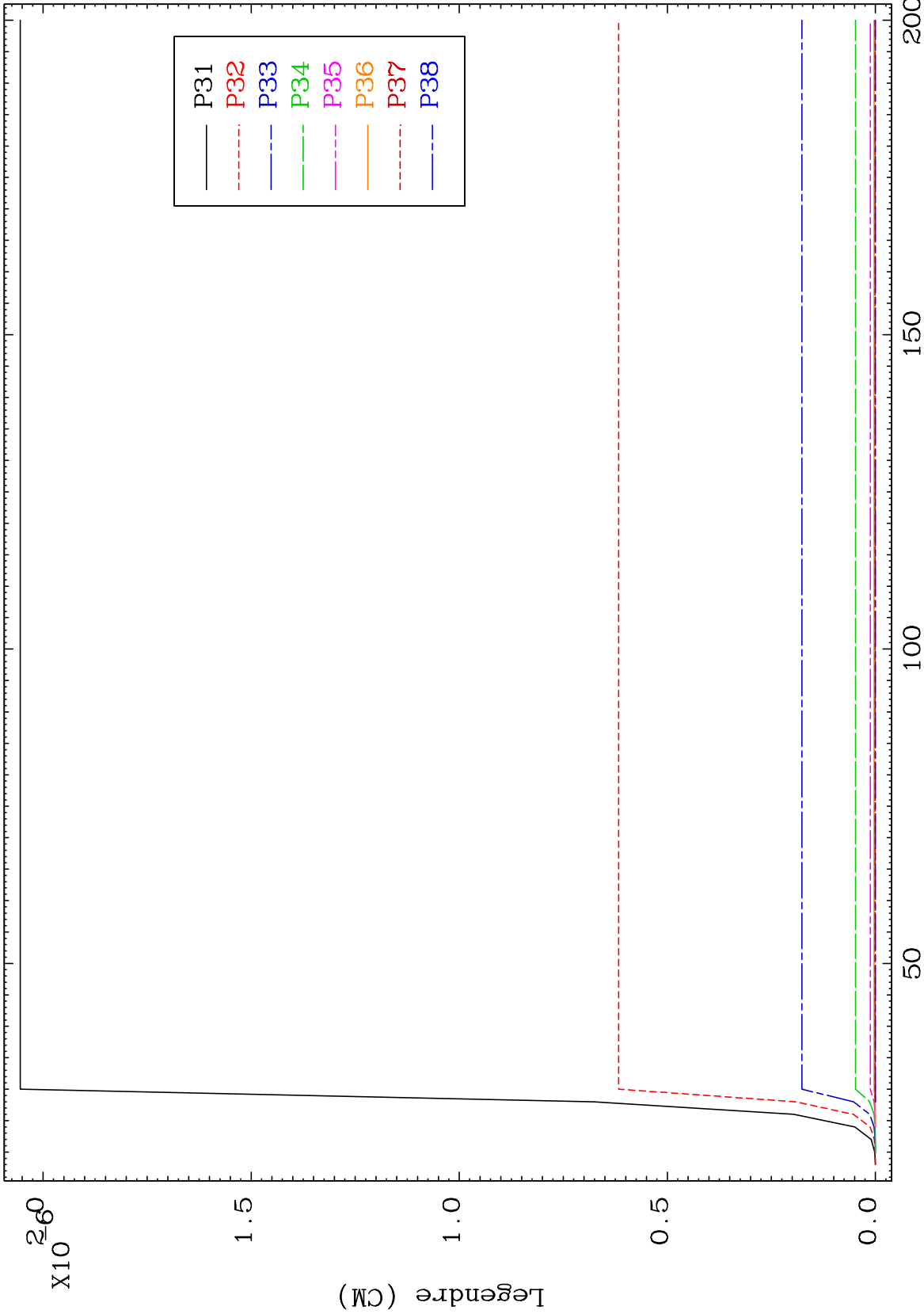
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



92

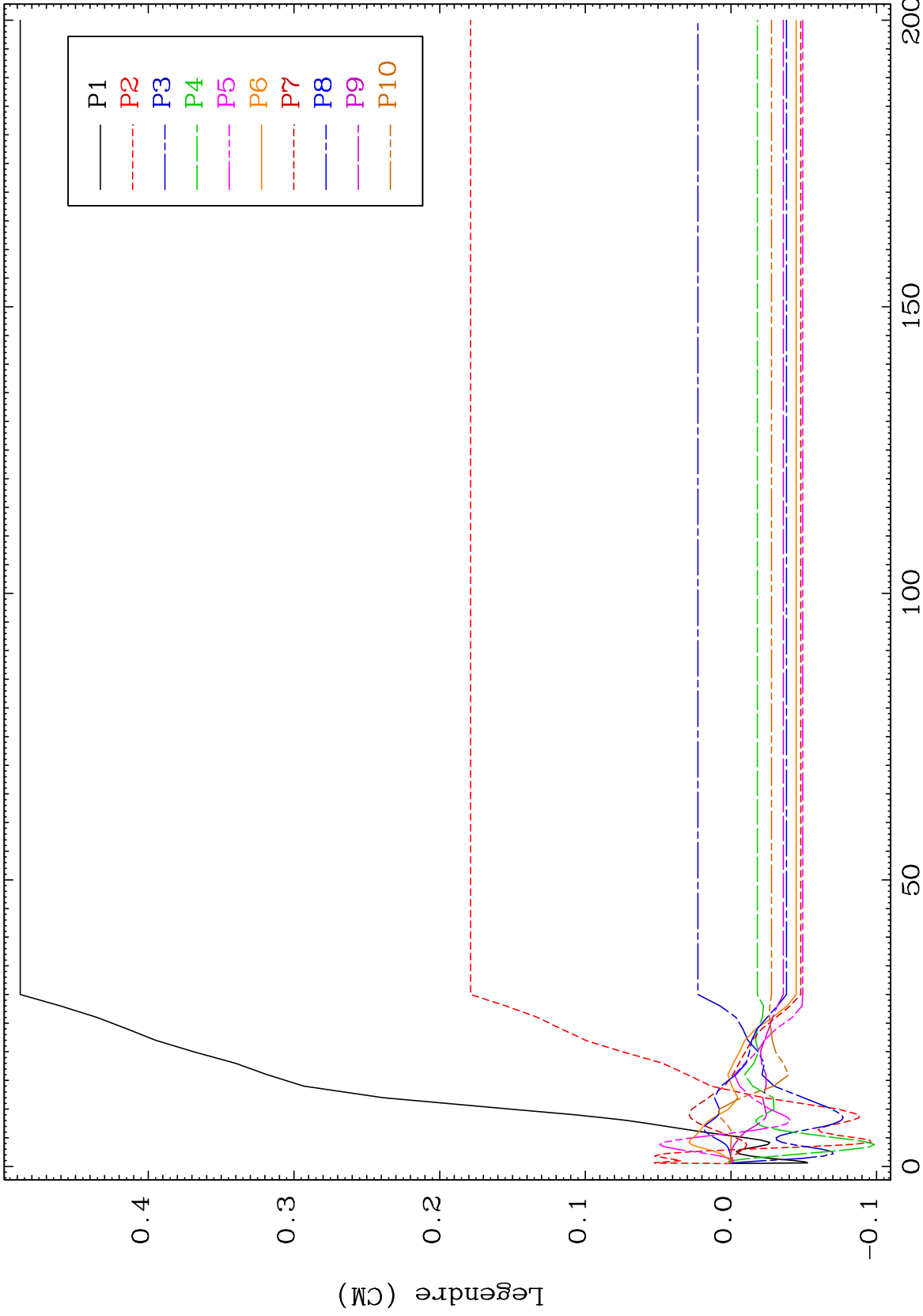
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



93

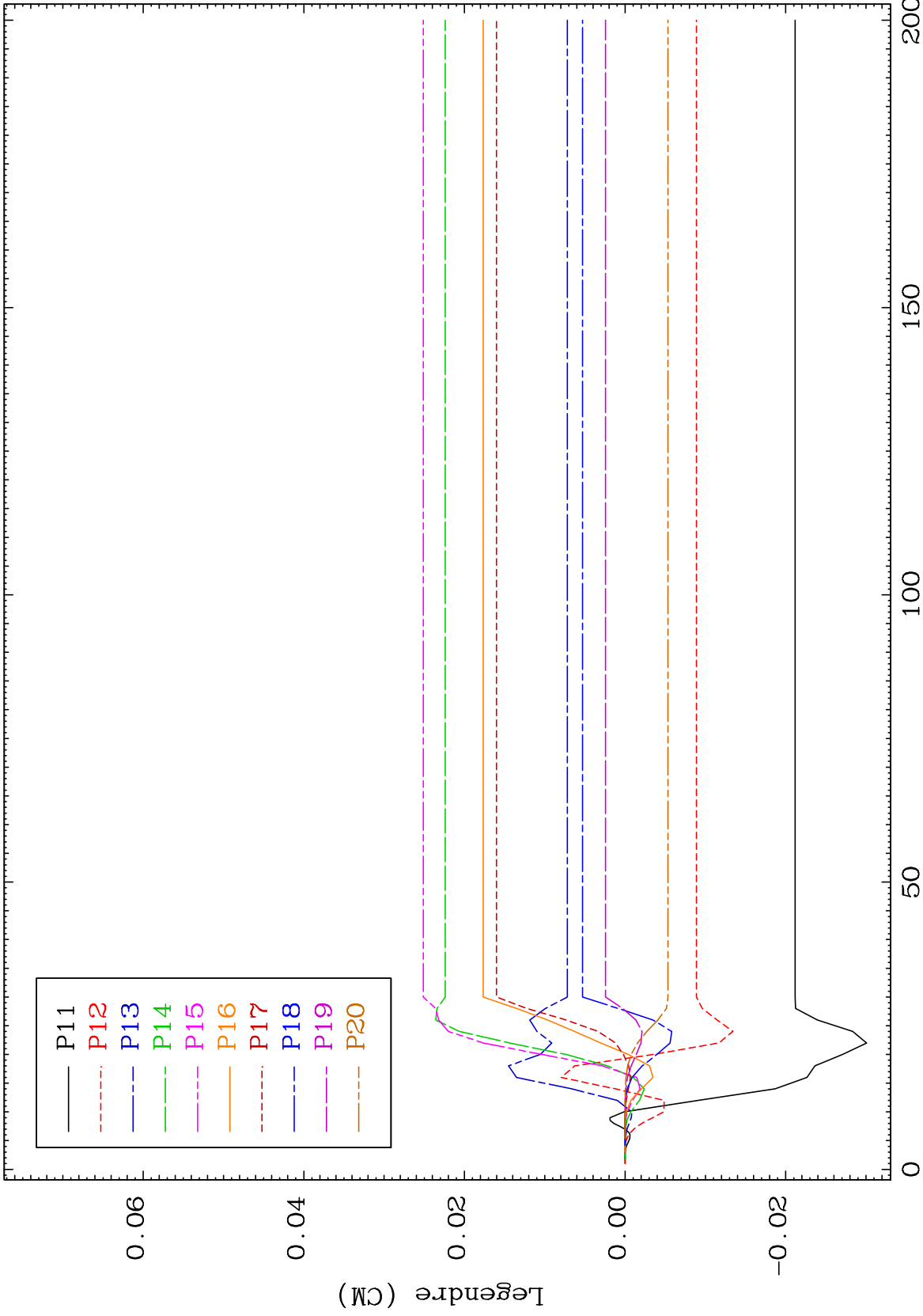
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192



94

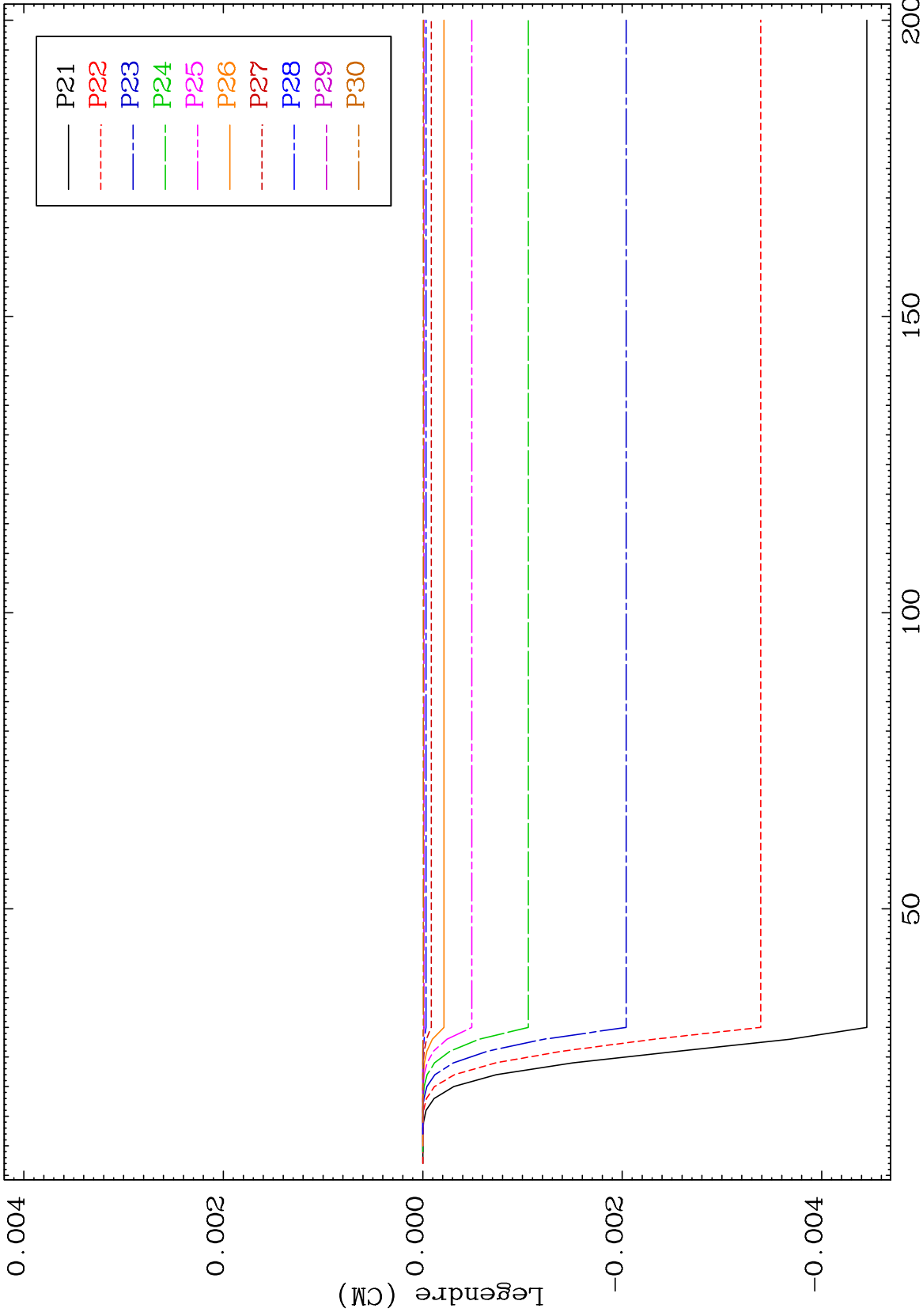
Incident Energy (MeV)

75-Re-192

MAT 7546

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

75-Re-192

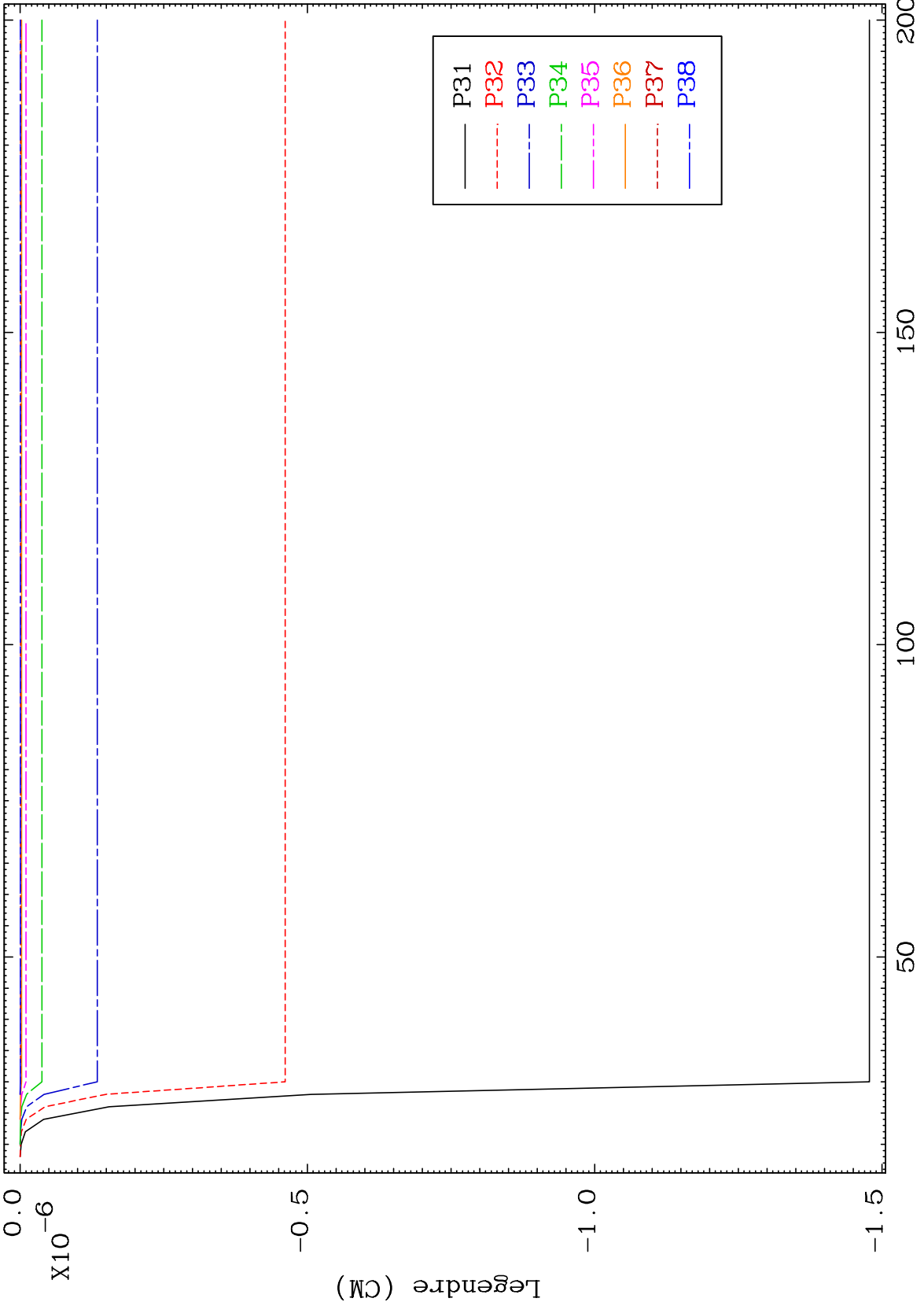


95

Incident Energy (MeV)

75-Re-192

MAT 7546 MT= 71 (n,n') Level Legendre Coefficients 75-Re-192

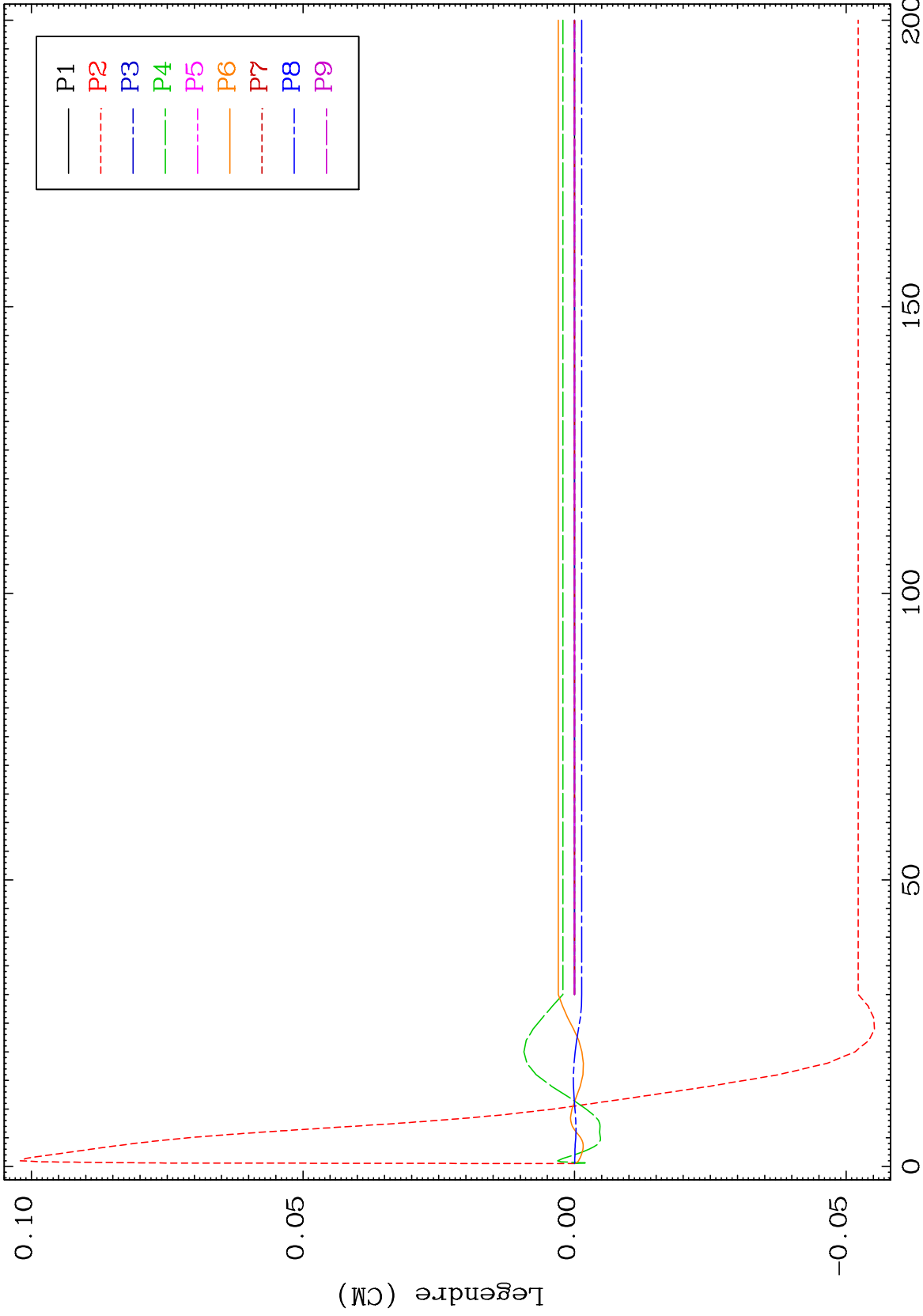


96 75-Re-192

MAT 7546

MT= 72 (n,n') Level
Legendre Coefficients

75-Re-192



97

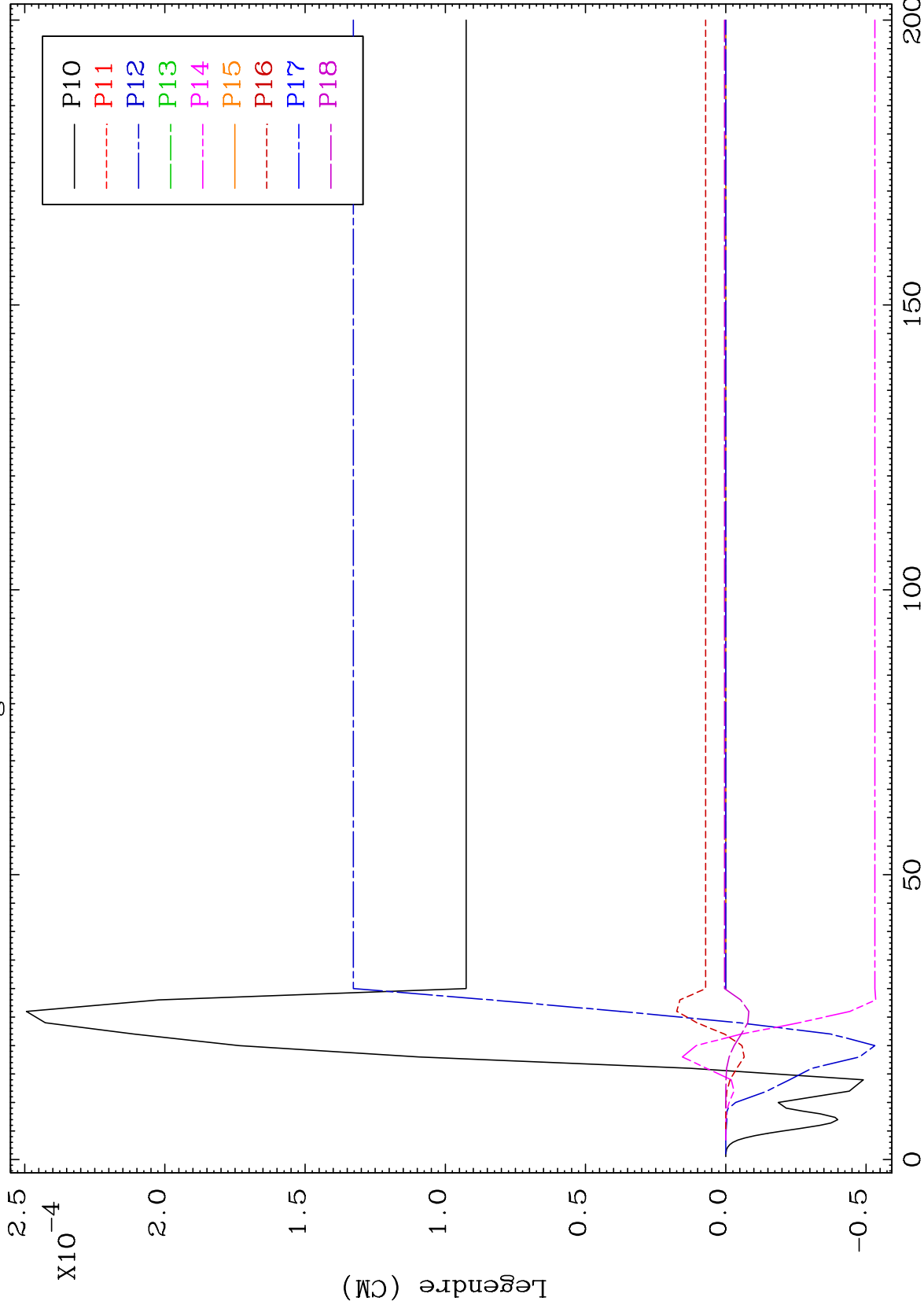
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 72 (n,n') Level
Legendre Coefficients

75-Re-192

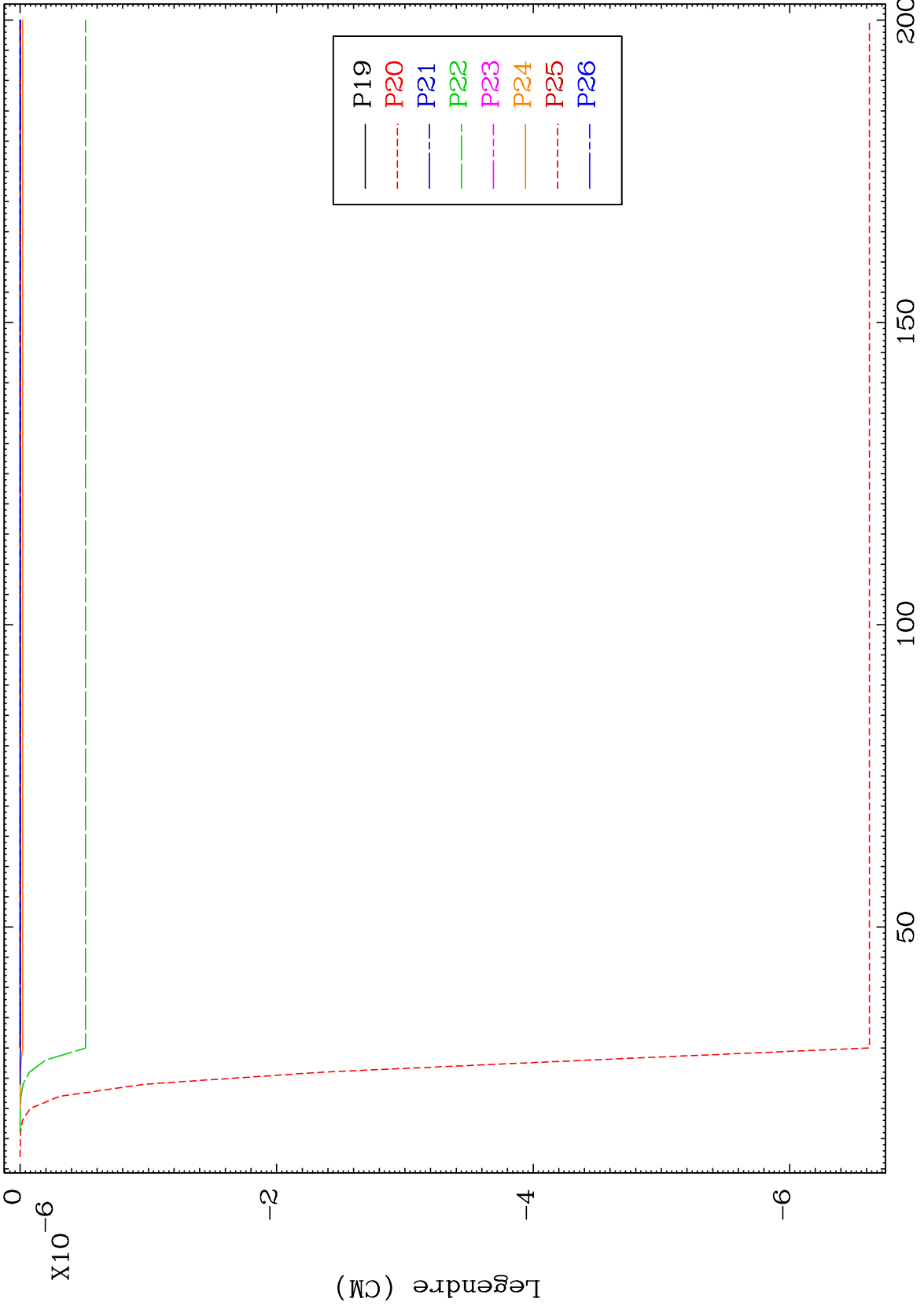


98

Incident Energy (MeV)

75-Re-192

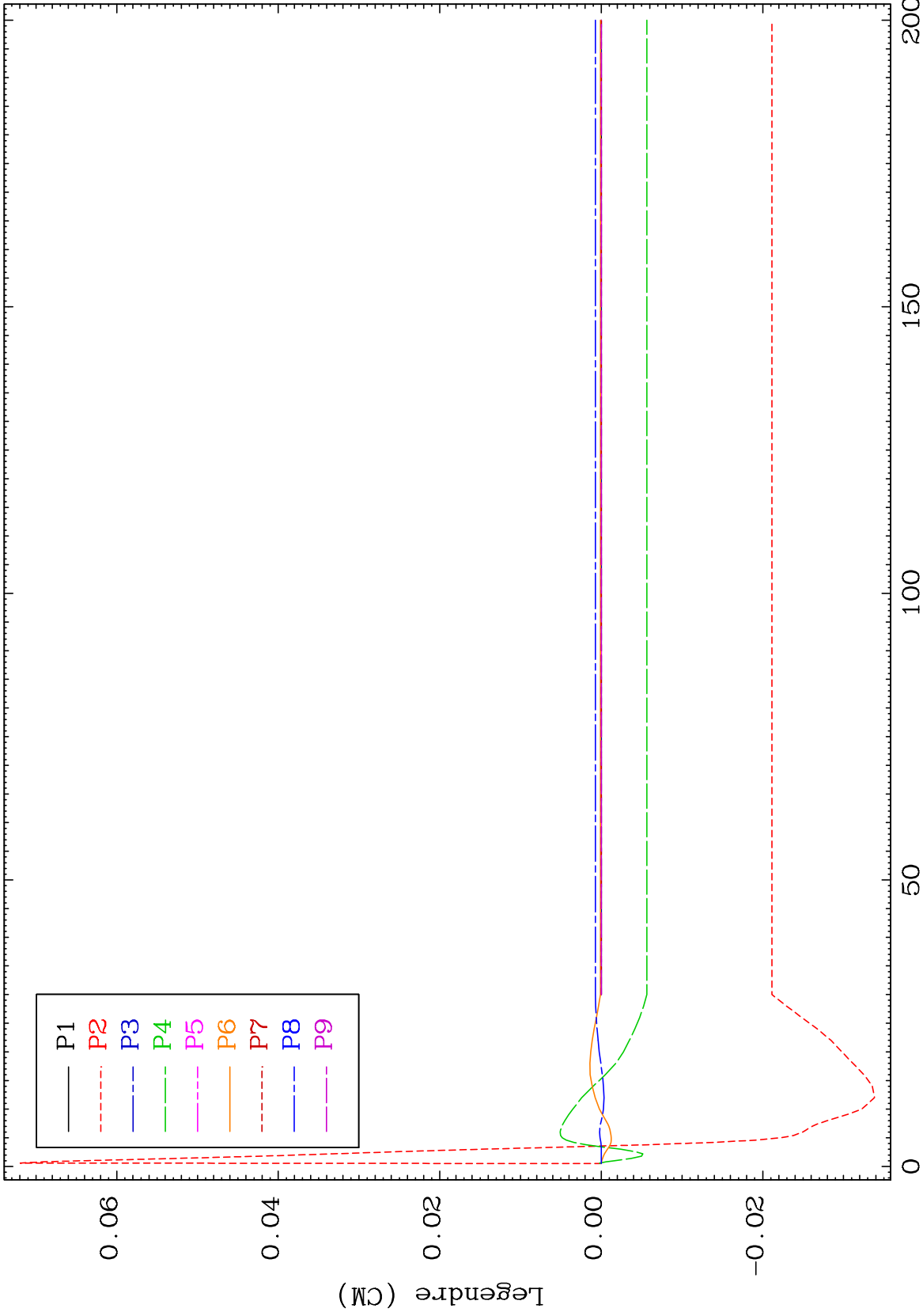
MAT 7546 MT= 72 (n,n') Level Legendre Coefficients 75-Re-192



MAT 7546

MT= 73 (n,n') Level
Legendre Coefficients

75-Re-192



75-Re-192

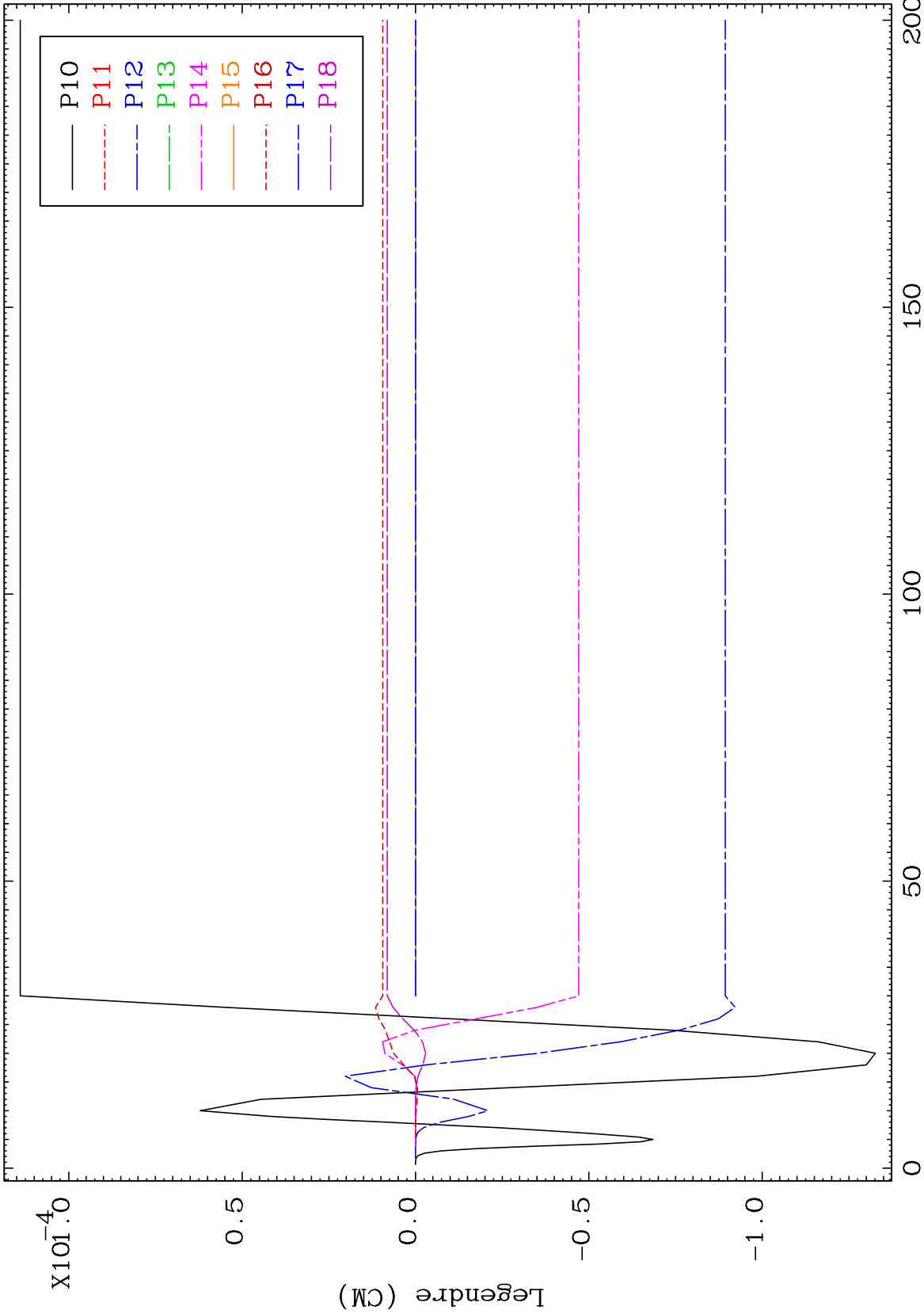
Incident Energy (MeV)

100

MAT 7546

MT= 73 (n,n') Level
Legendre Coefficients

75-Re-192



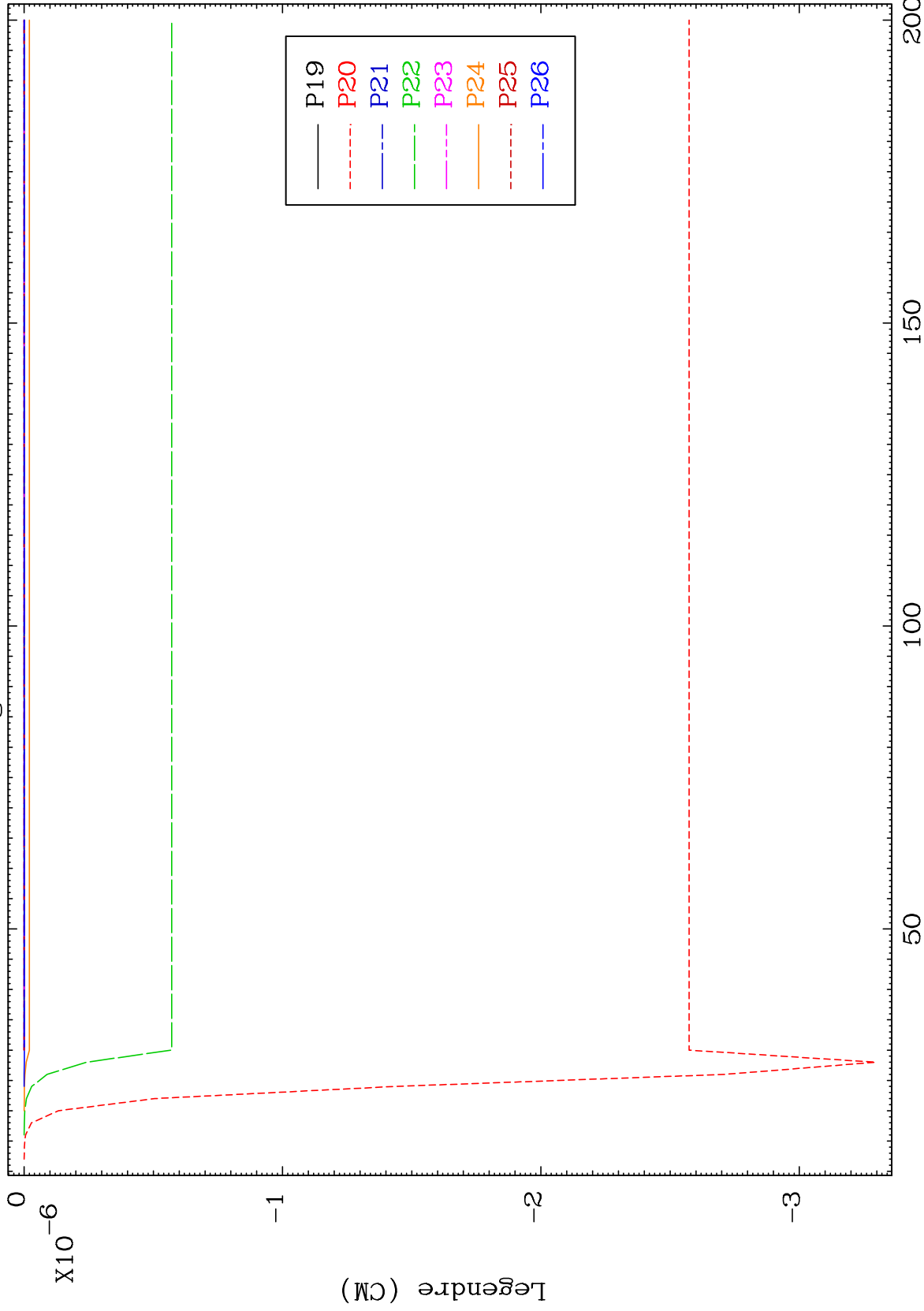
101

75-Re-192

MAT 7546

MT= 73 (n,n') Level
Legendre Coefficients

75-Re-192



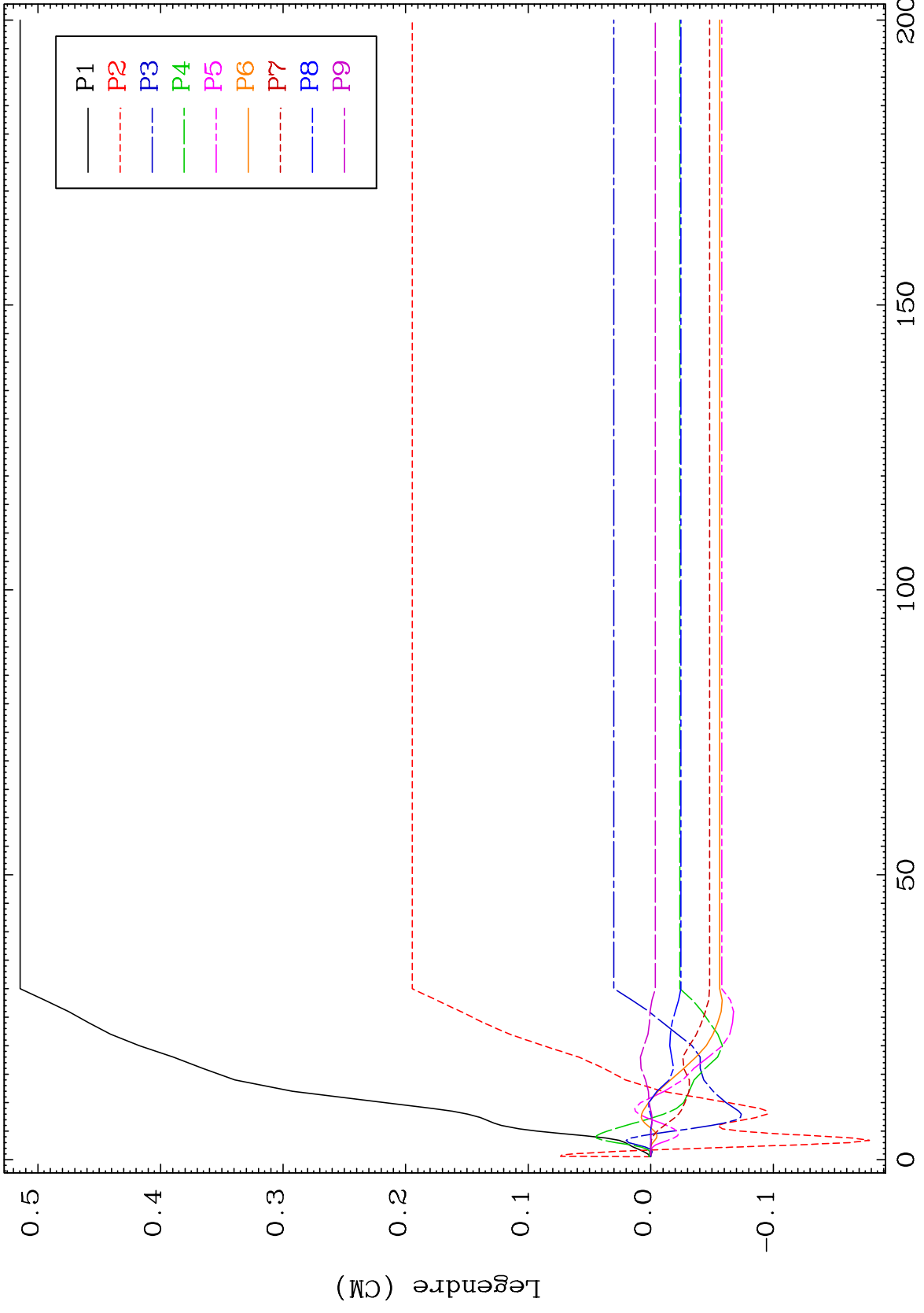
102

75-Re-192

MAT 7546

MT= 74 (n,n') Level
Legendre Coefficients

75-Re-192



103

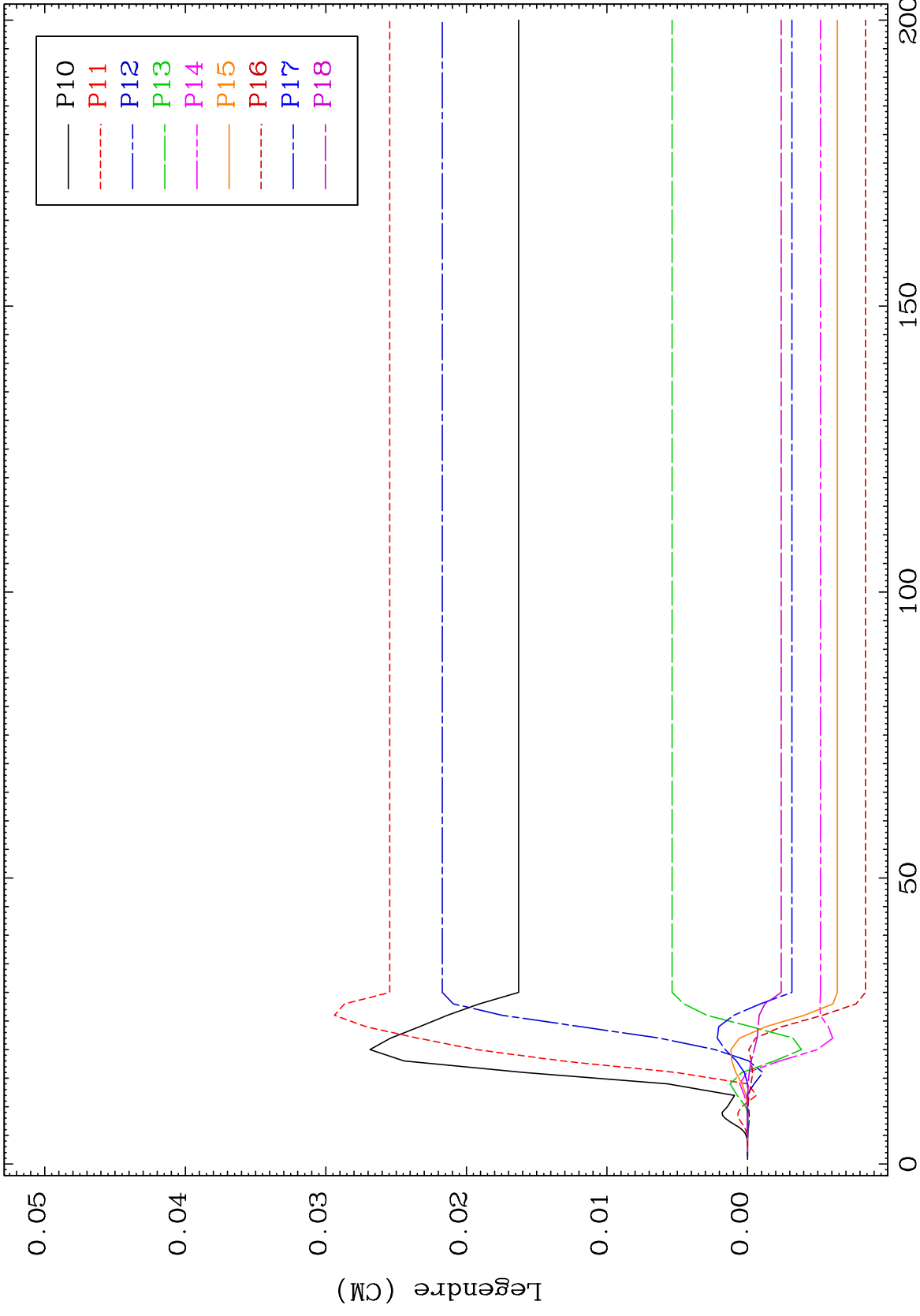
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 74 (n,n') Level
Legendre Coefficients

75-Re-192



104

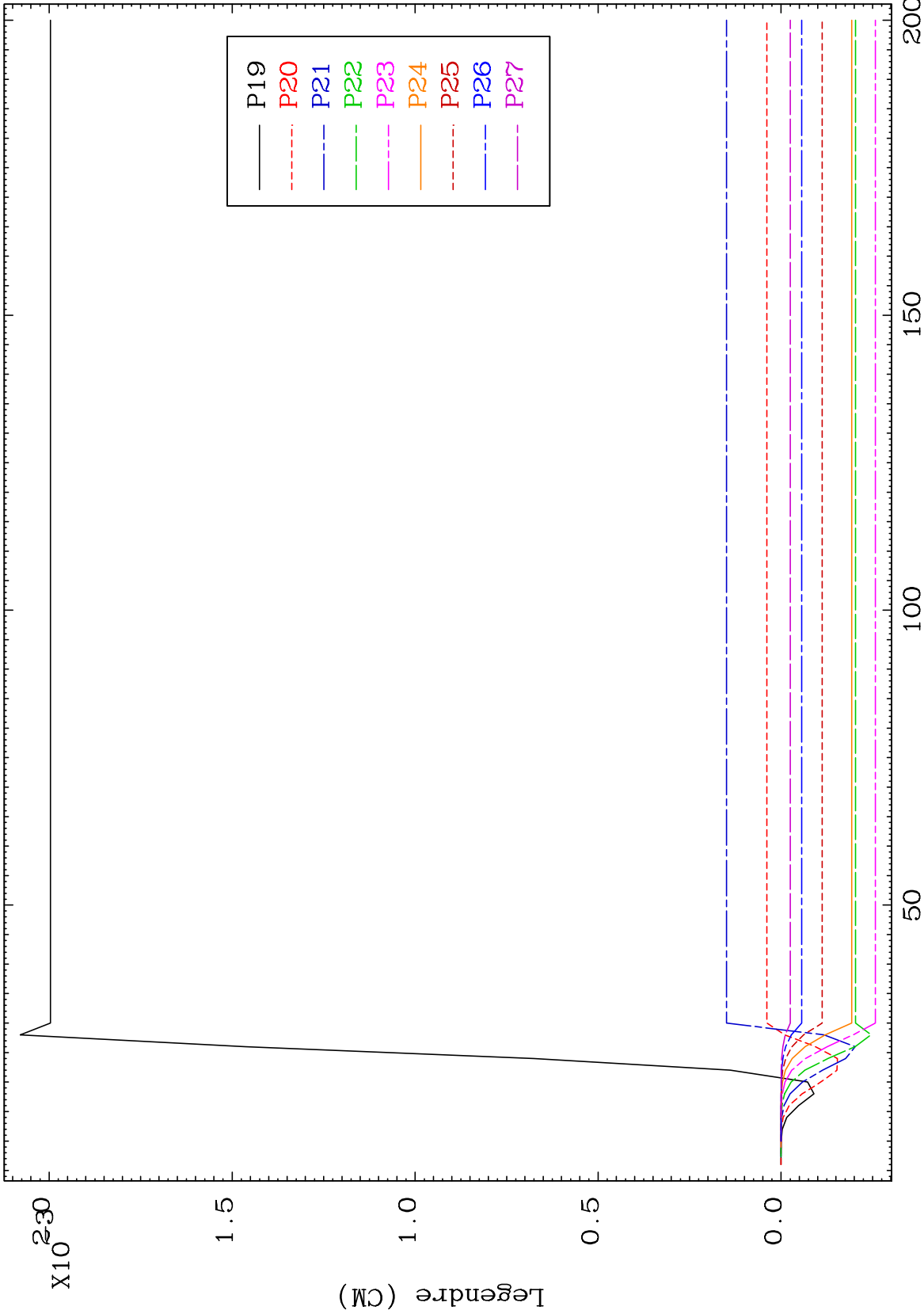
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 74 (n,n') Level
Legendre Coefficients

75-Re-192

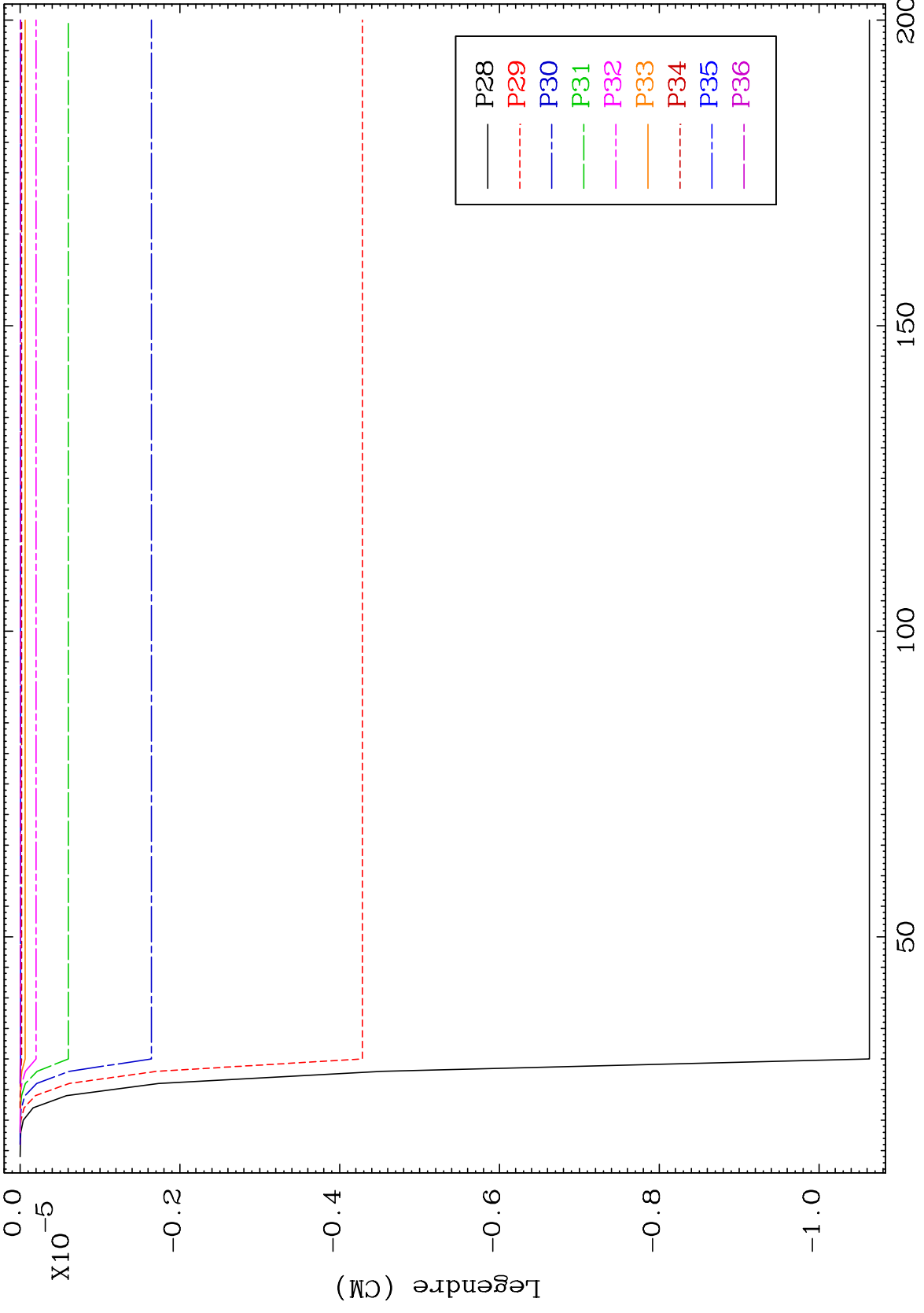


105

Incident Energy (MeV)

75-Re-192

MAT 7546 MT= 74 (n,n') Level Legendre Coefficients 75-Re-192

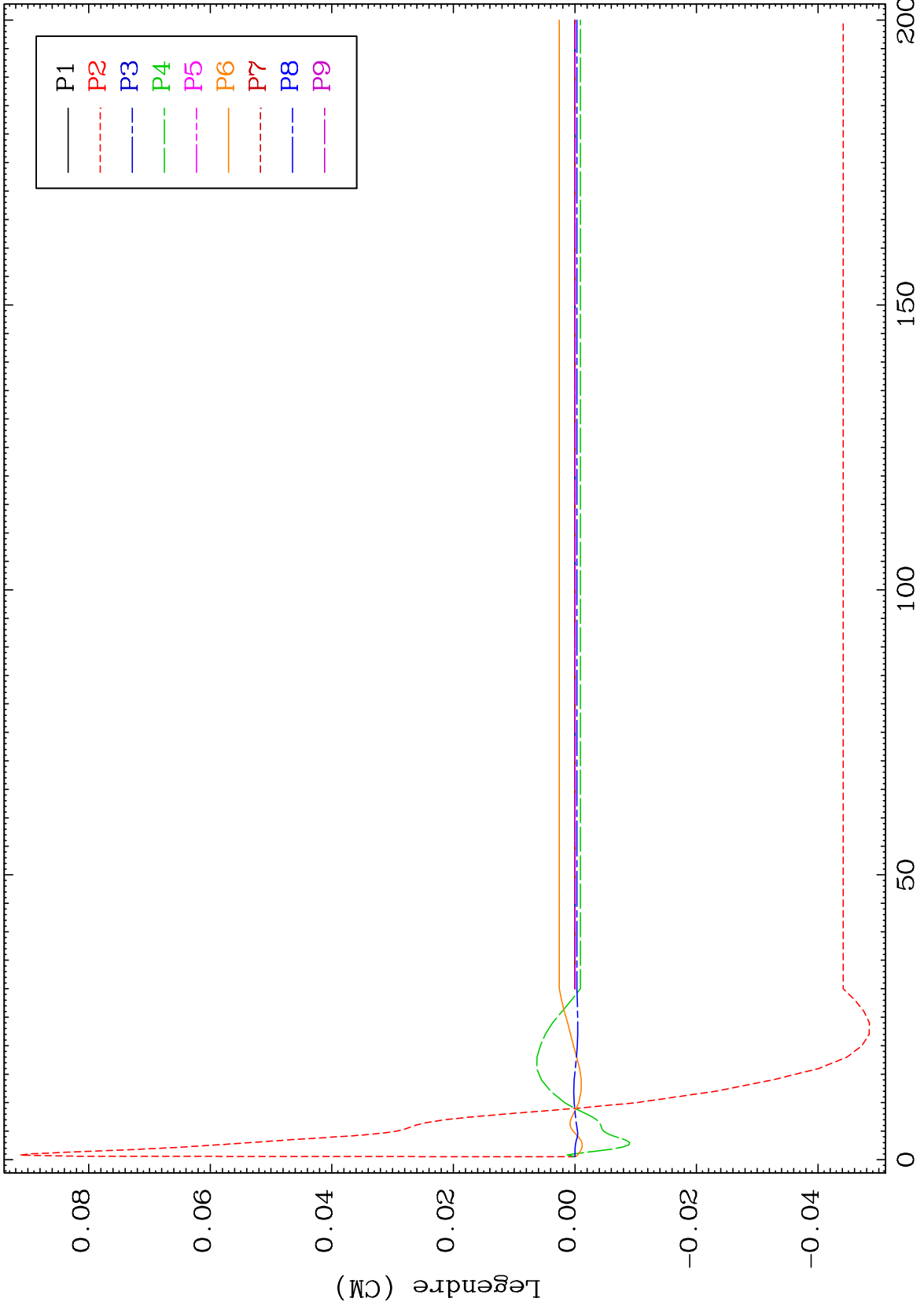


106 75-Re-192

MAT 7546

MT= 75 (n,n') Level
Legendre Coefficients

75-Re-192



107

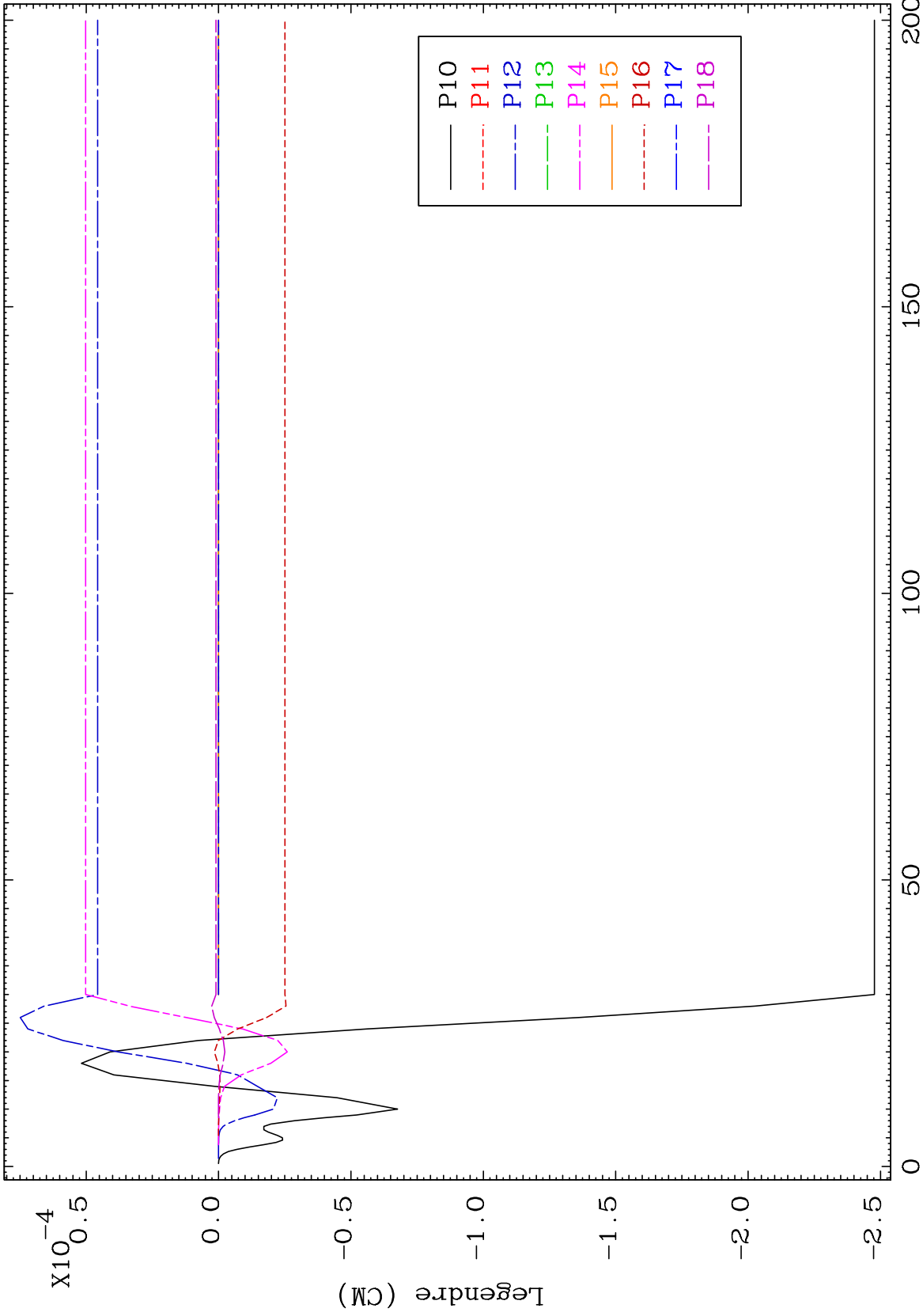
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 75 (n,n') Level
Legendre Coefficients

75-Re-192



108

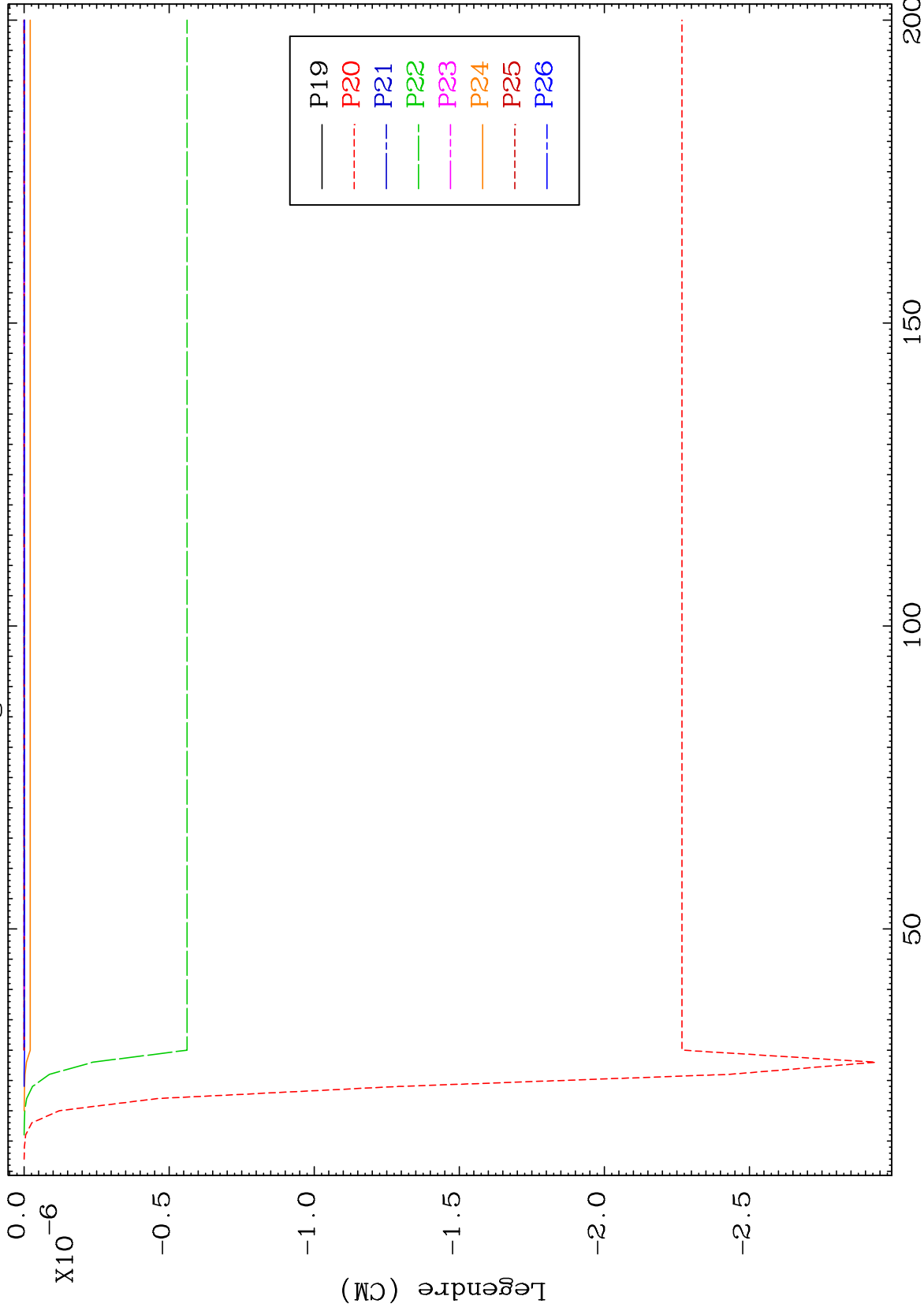
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 75 (n,n') Level
Legendre Coefficients

75-Re-192



109

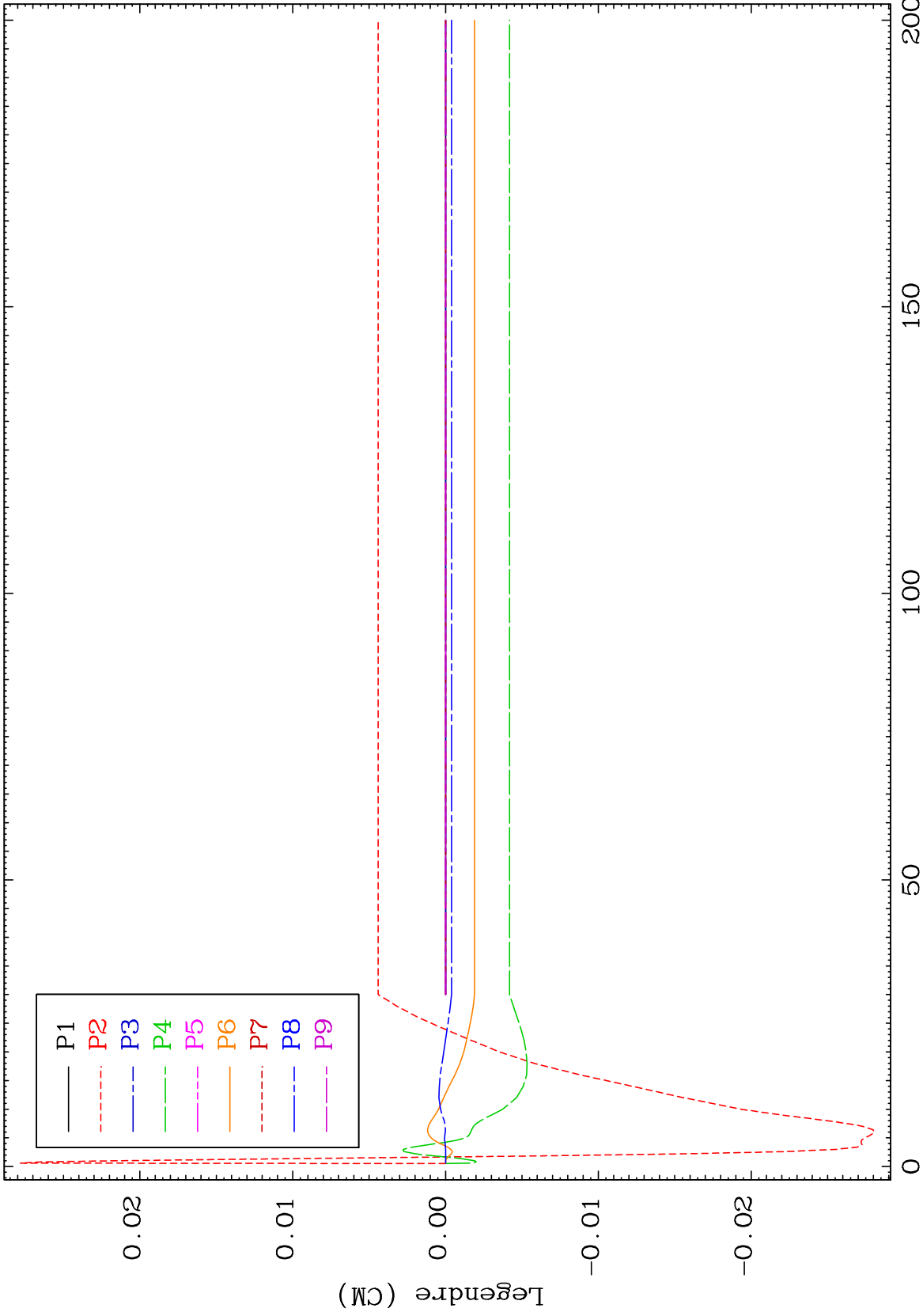
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 76 (n,n') Level
Legendre Coefficients

75-Re-192



110

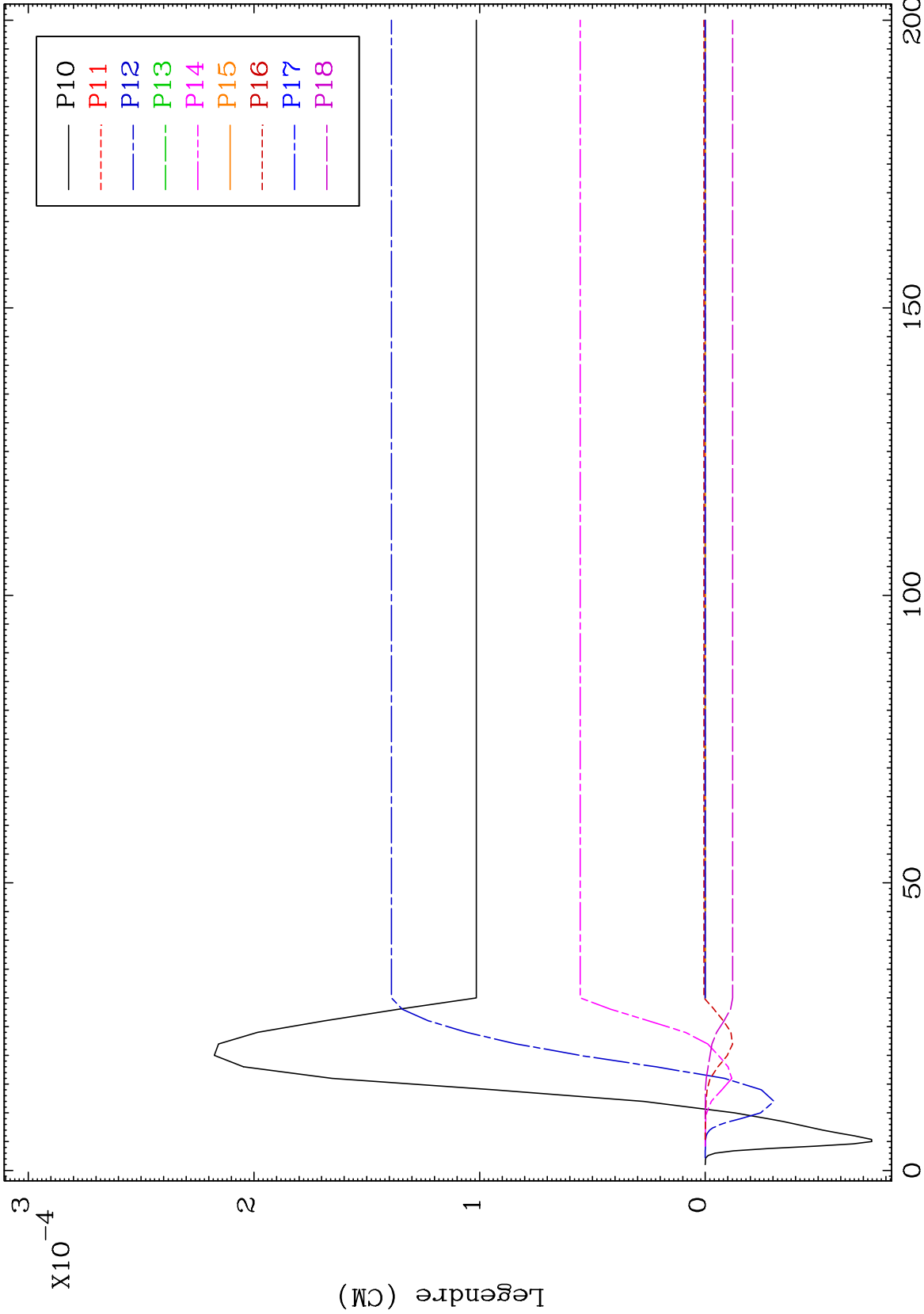
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 76 (n,n') Level
Legendre Coefficients

75-Re-192

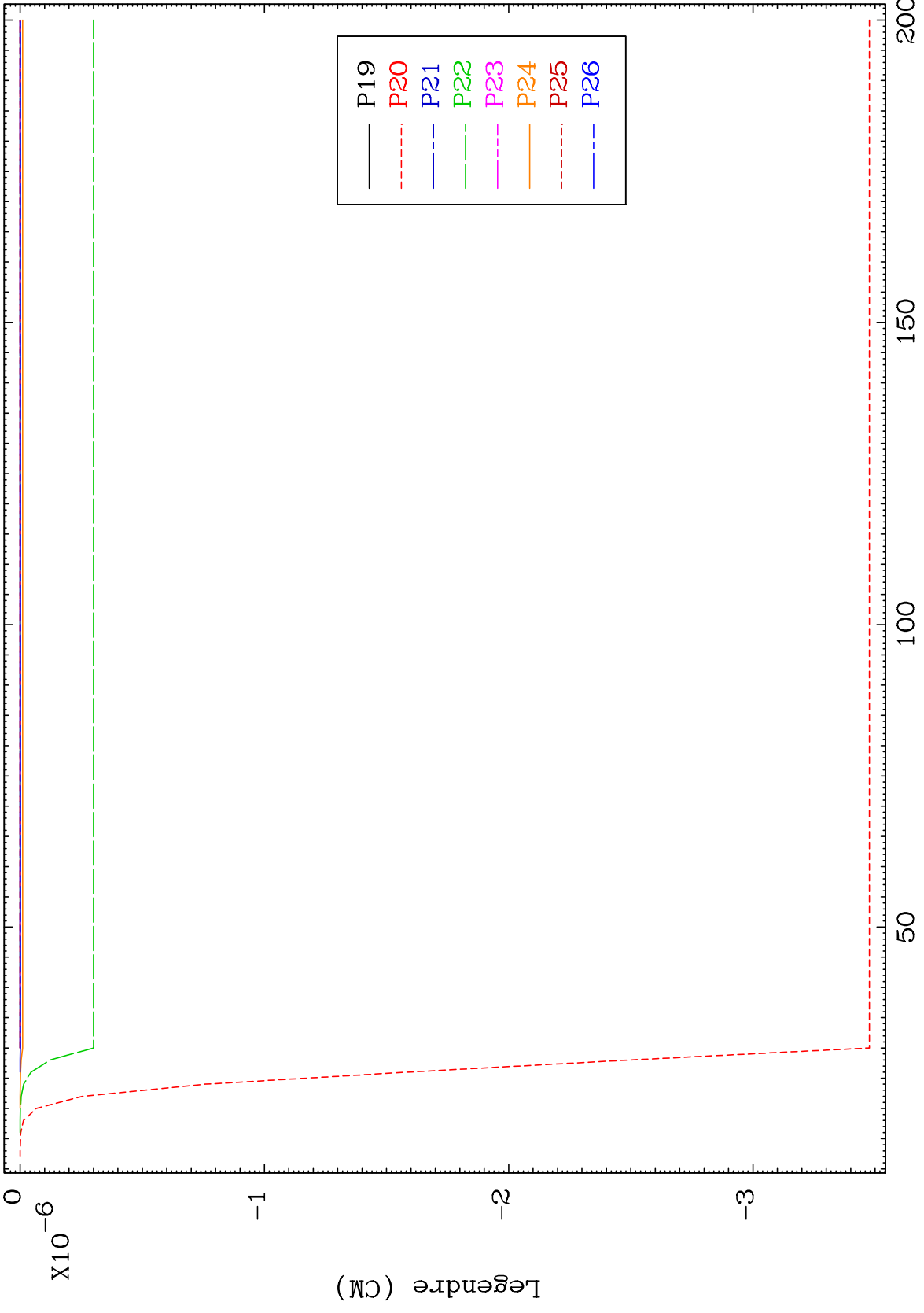


111

Incident Energy (MeV)

75-Re-192

MAT 7546 MT= 76 (n,n') Level Legendre Coefficients 75-Re-192

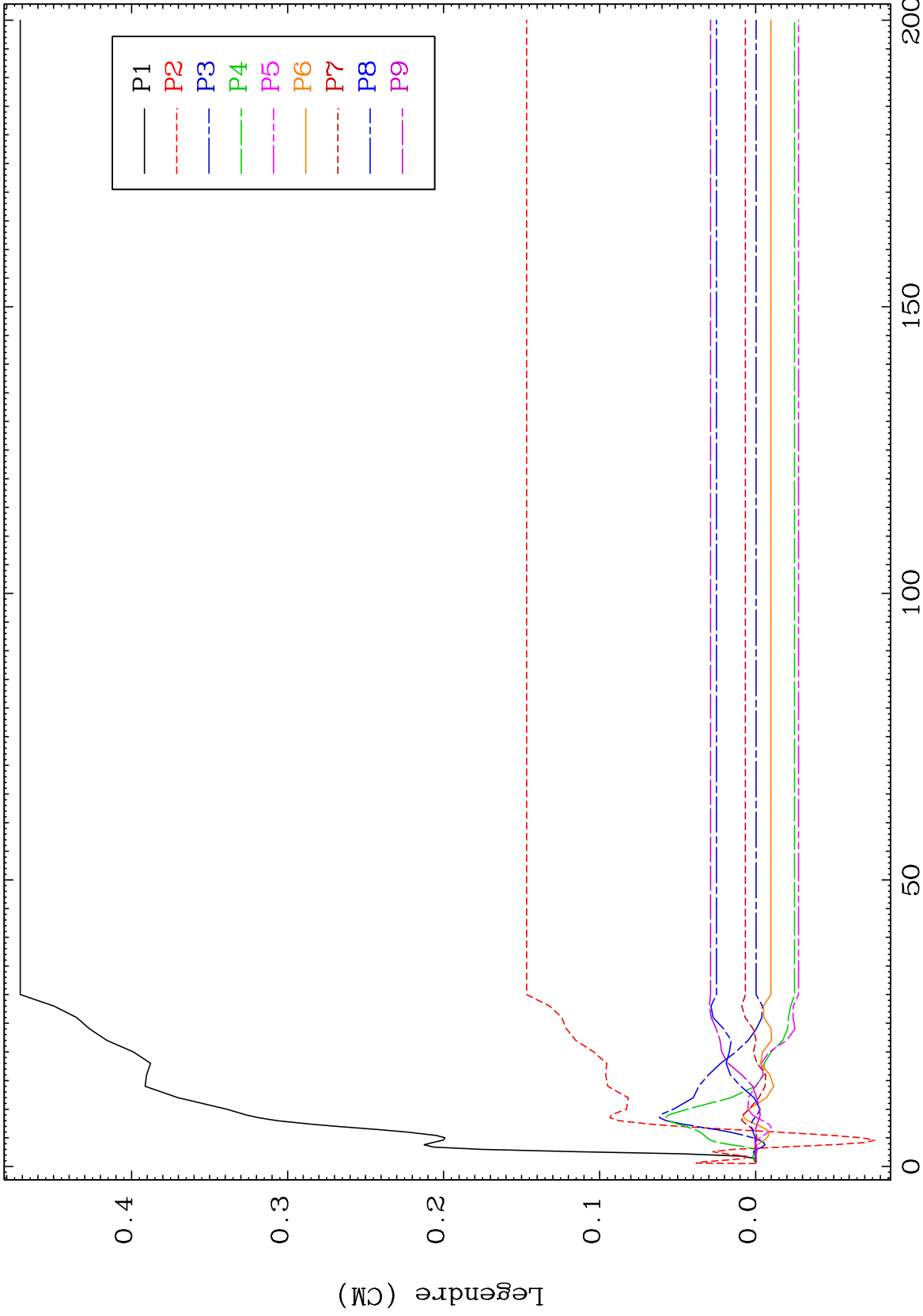


112 75-Re-192

MAT 7546

MT= 77 (n,n') Level
Legendre Coefficients

75-Re-192



113

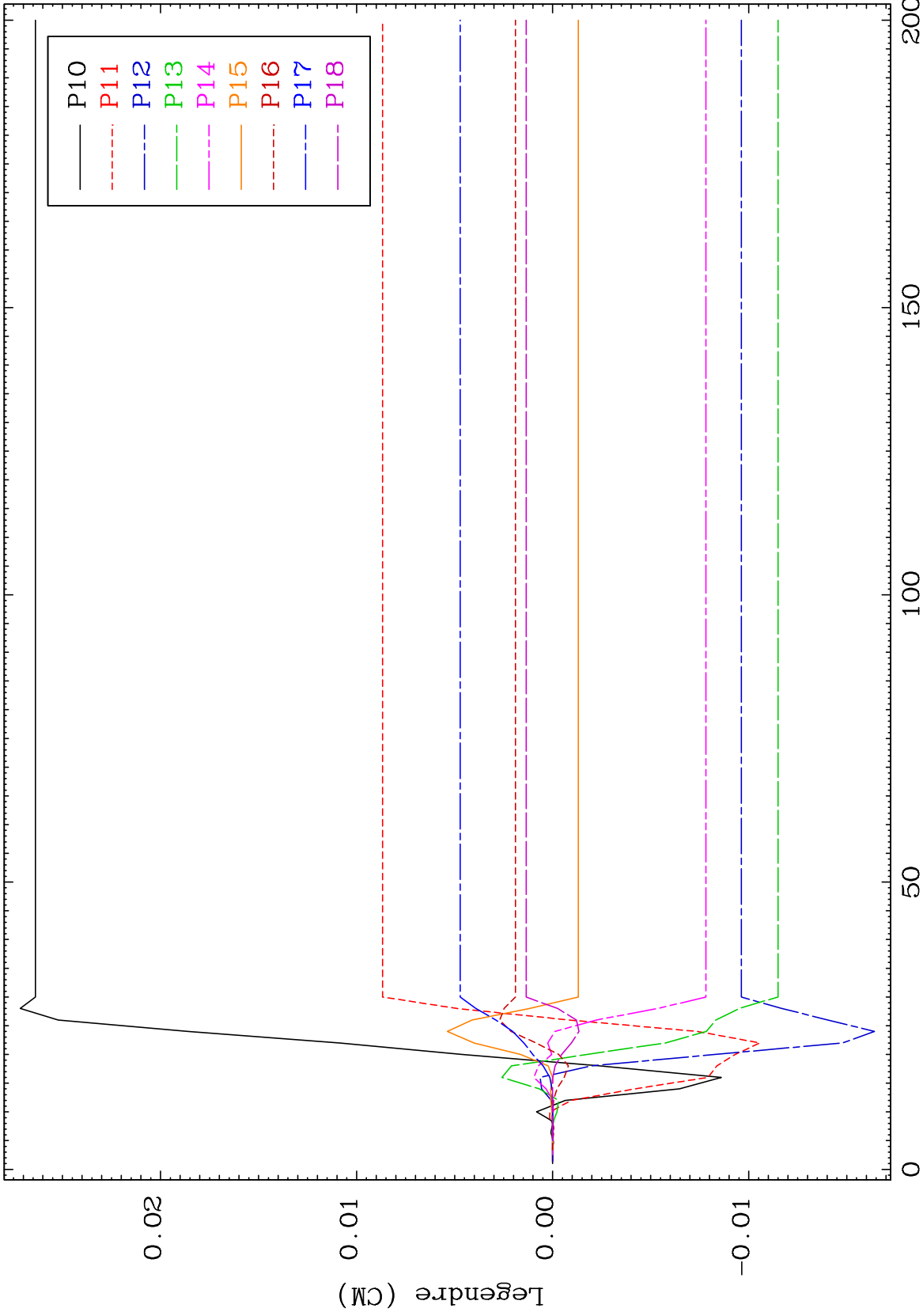
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 77 (n,n') Level
Legendre Coefficients

75-Re-192



114

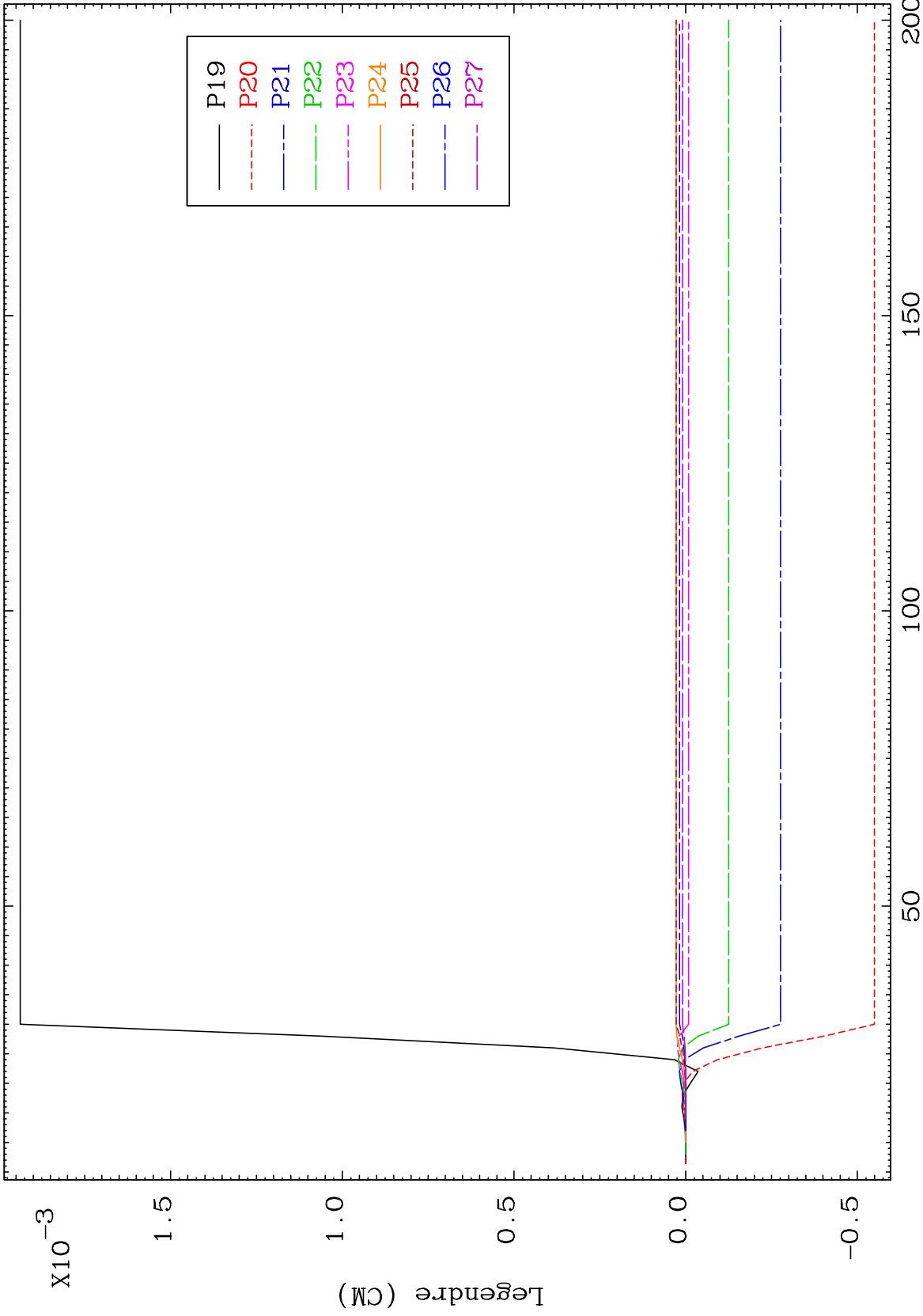
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 77 (n,n') Level
Legendre Coefficients

75-Re-192



115

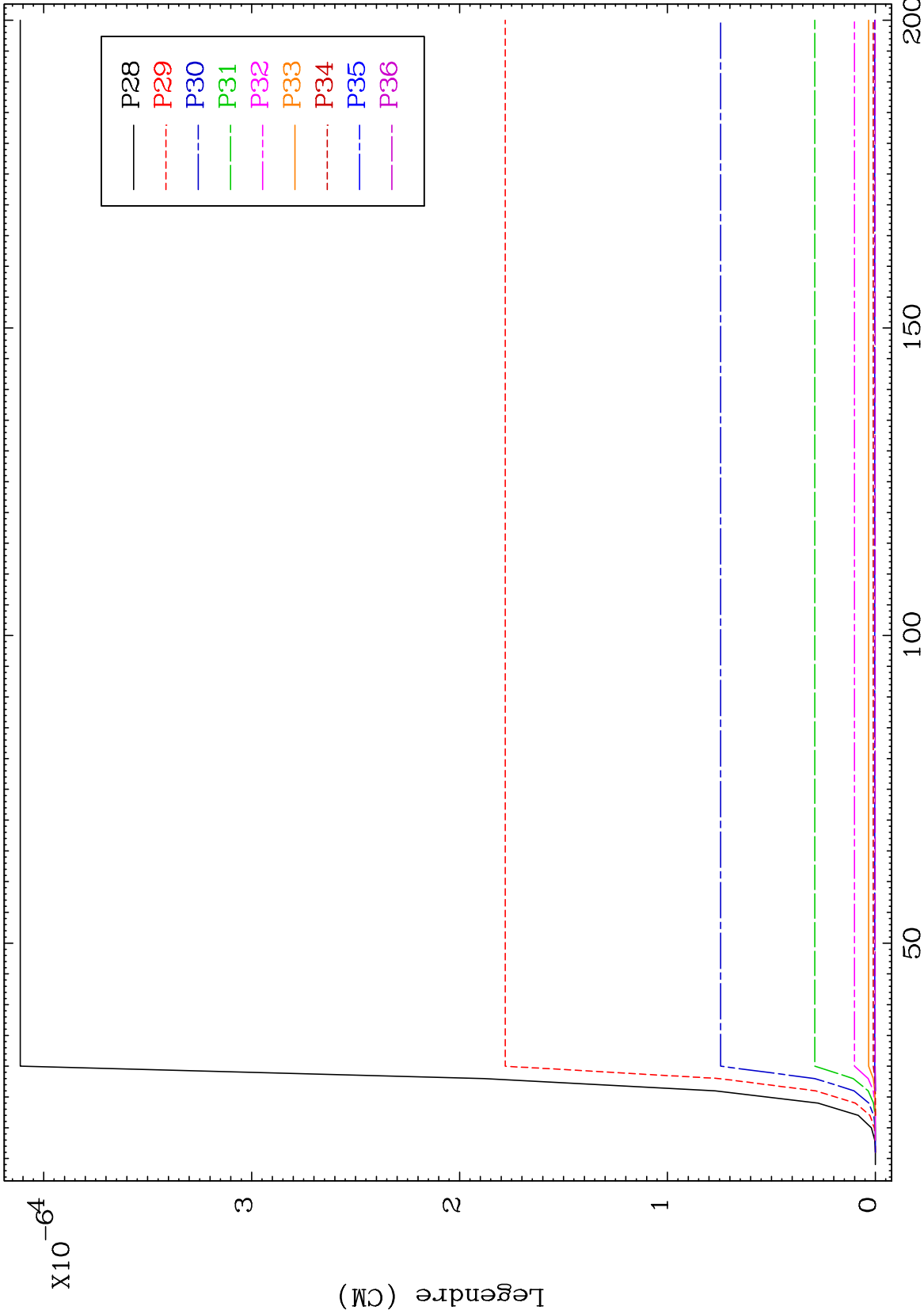
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 77 (n,n') Level
Legendre Coefficients

75-Re-192



116

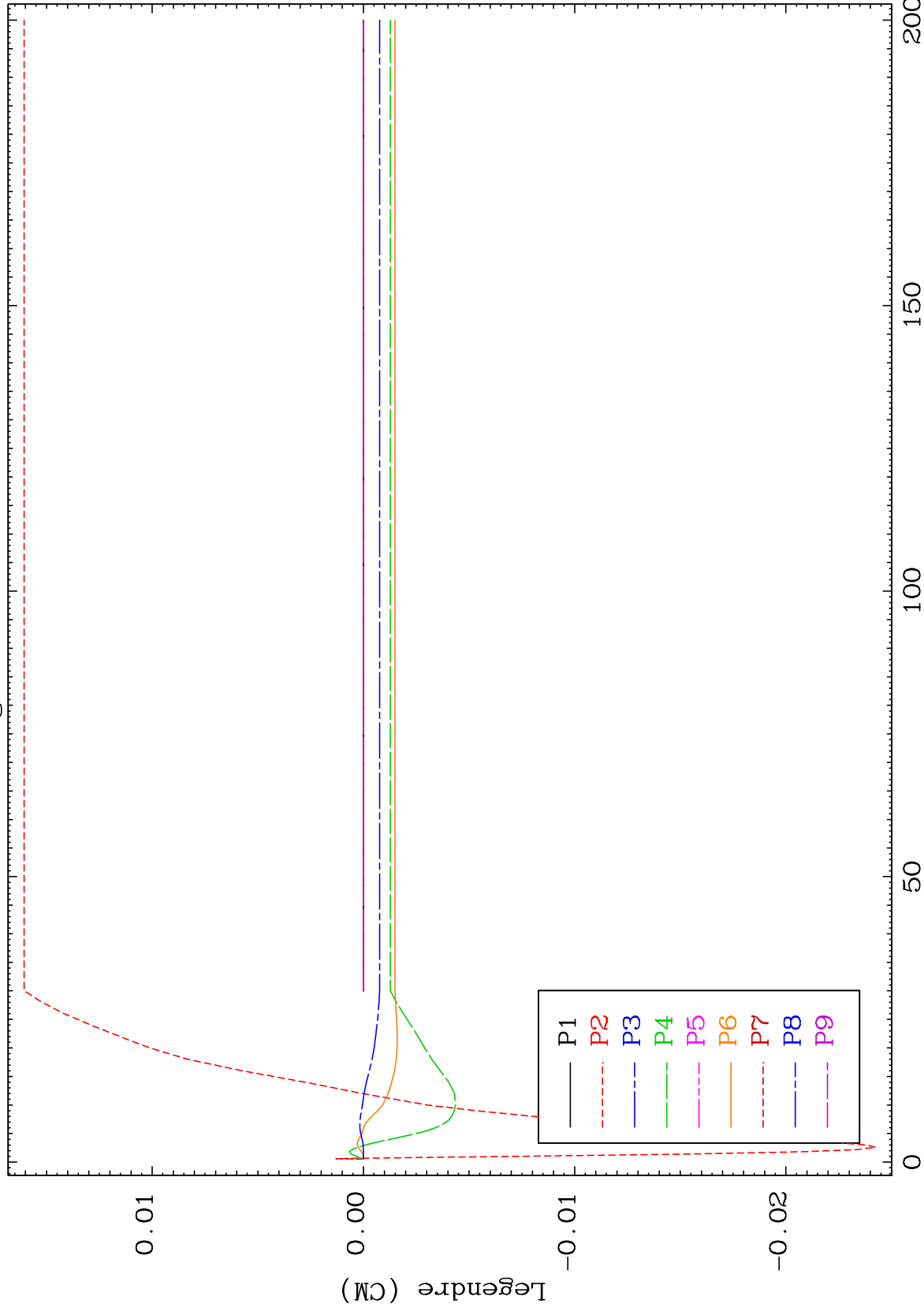
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 78 (n,n') Level
Legendre Coefficients

75-Re-192



117

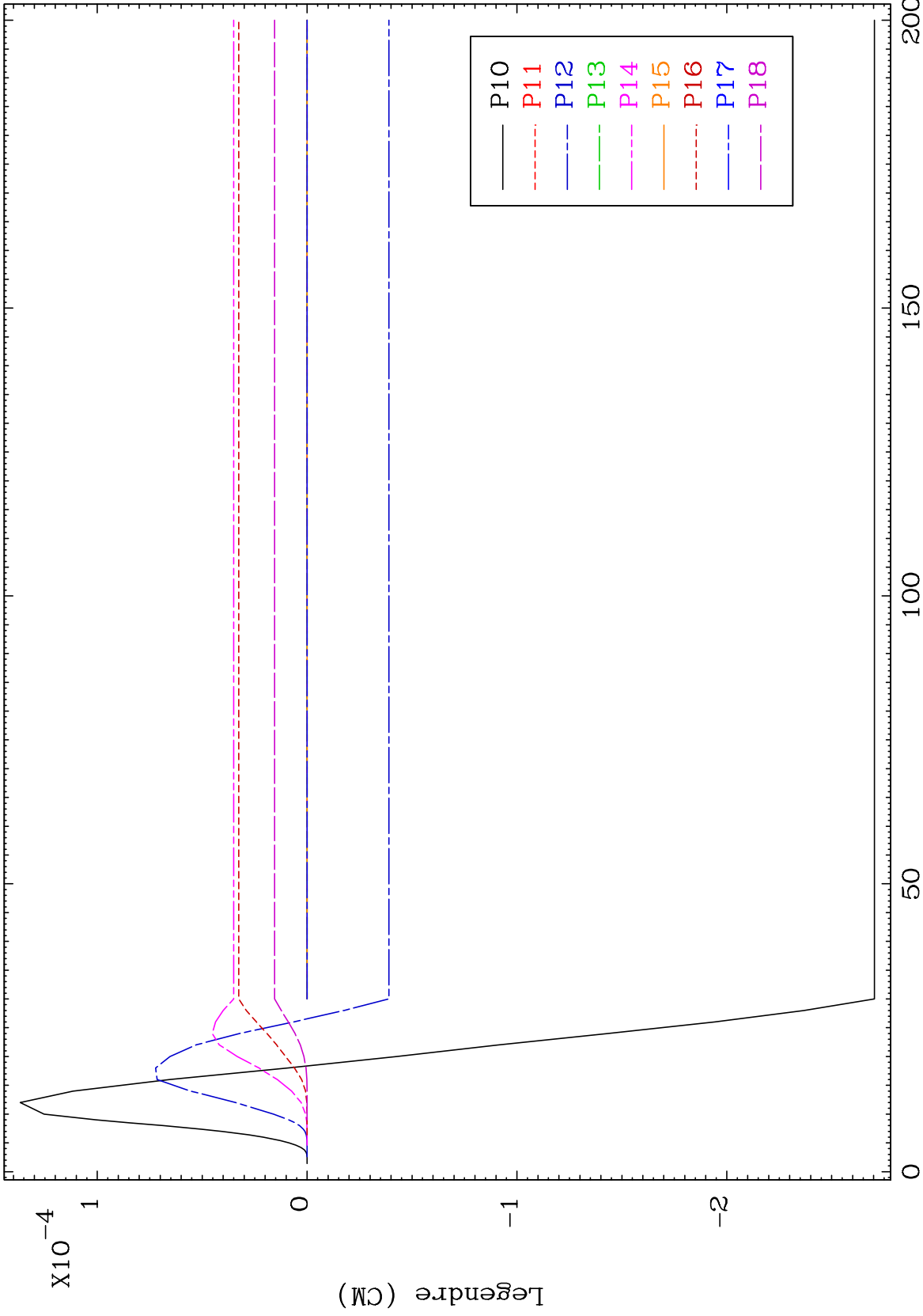
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 78 (n,n') Level
Legendre Coefficients

75-Re-192

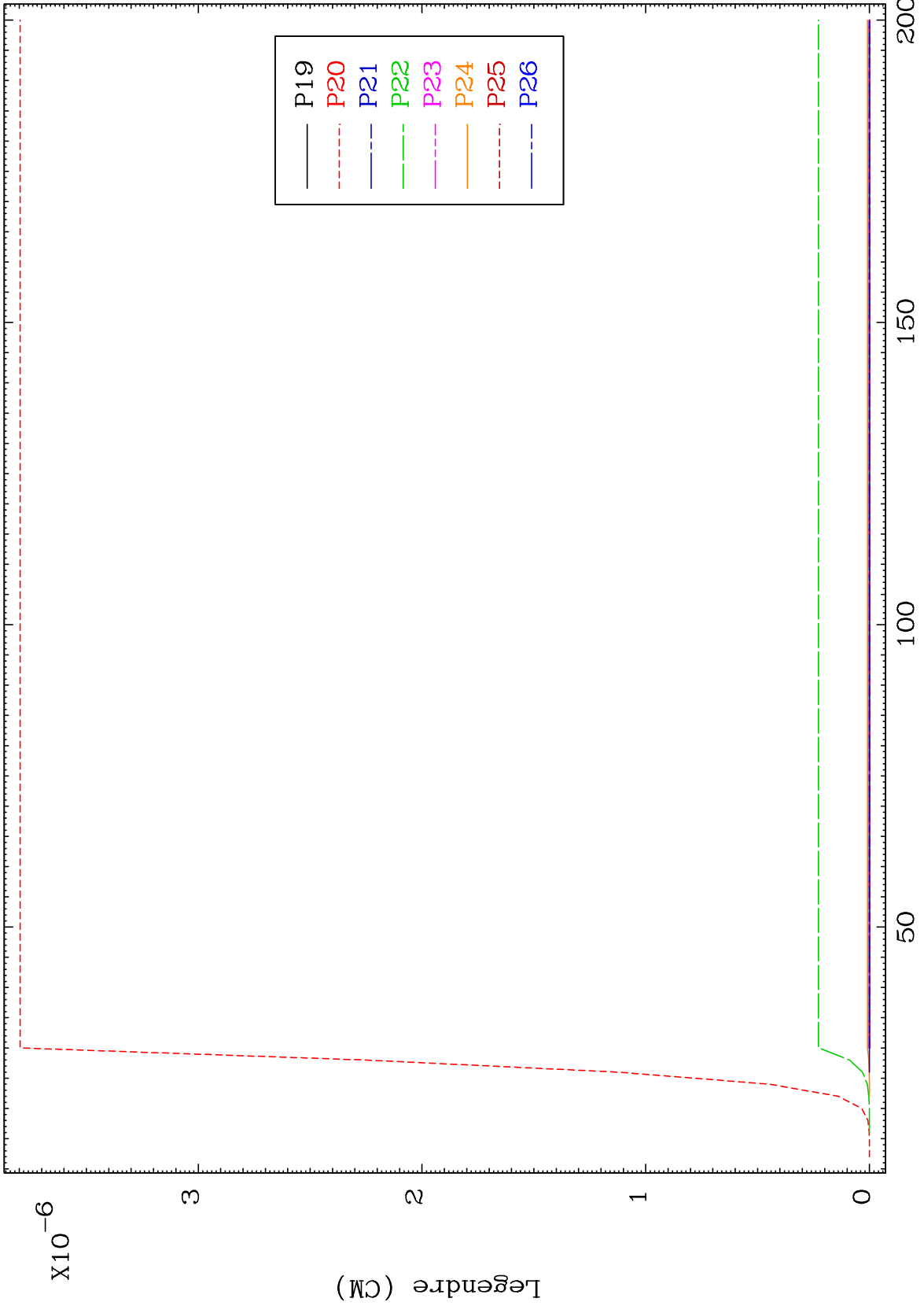


118

Incident Energy (MeV)

75-Re-192

MAT 7546 MT= 78 (n,n') Level Legendre Coefficients 75-Re-192

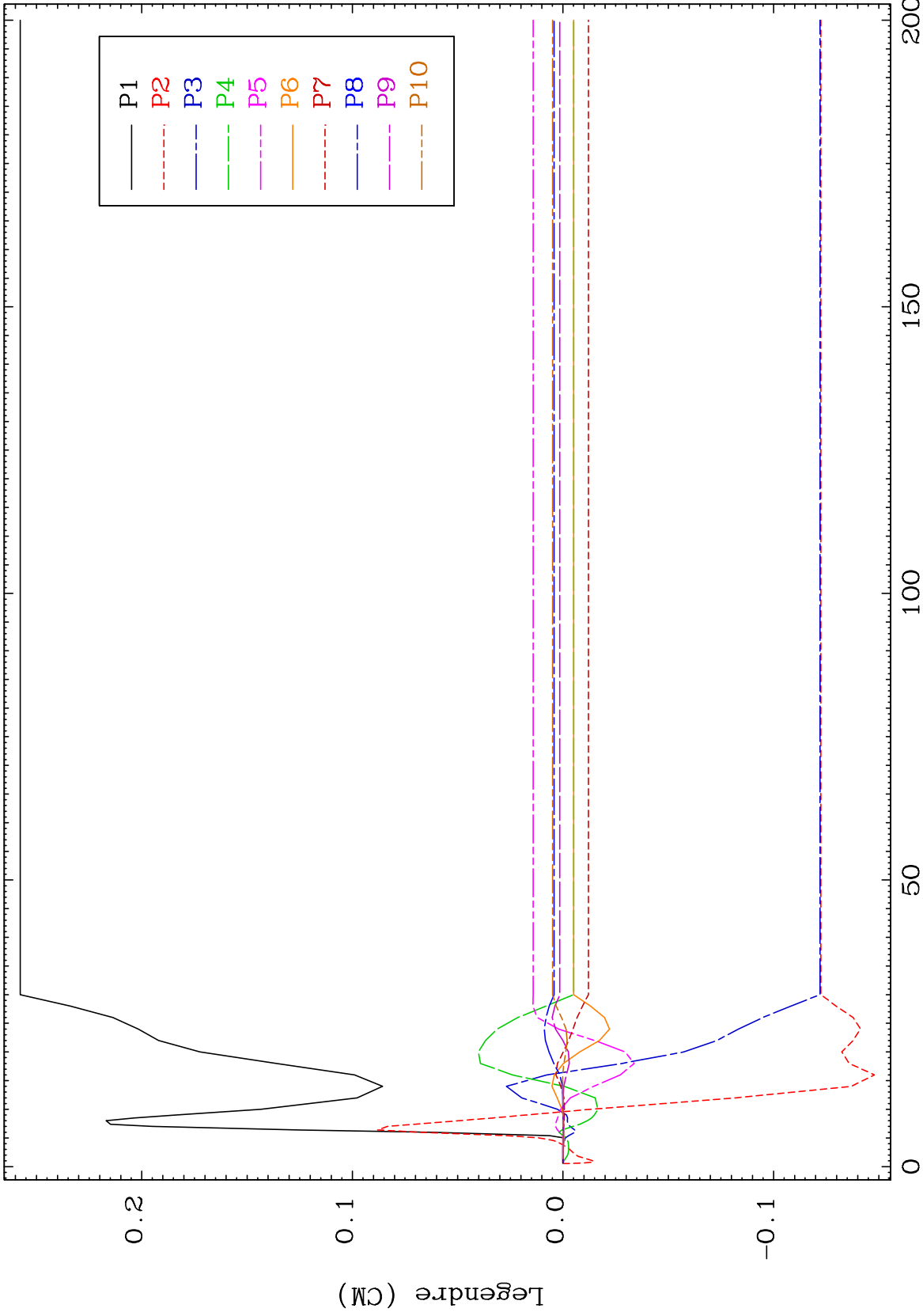


119 75-Re-192

MAT 7546

MT= 79 (n,n') Level
Legendre Coefficients

75-Re-192



120

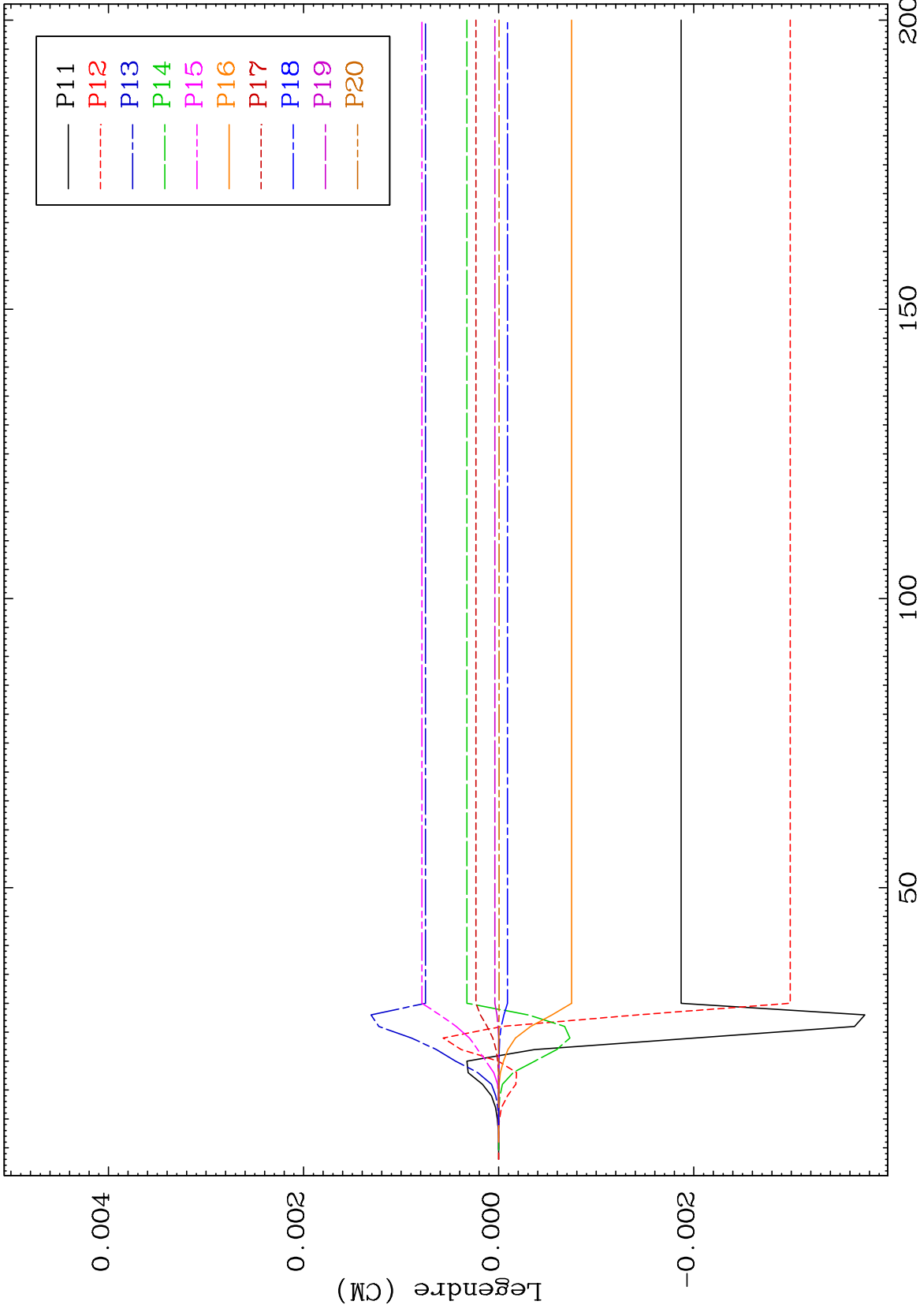
Incident Energy (MeV)

75-Re-192

MAT 7546

MT= 79 (n,n') Level
Legendre Coefficients

75-Re-192



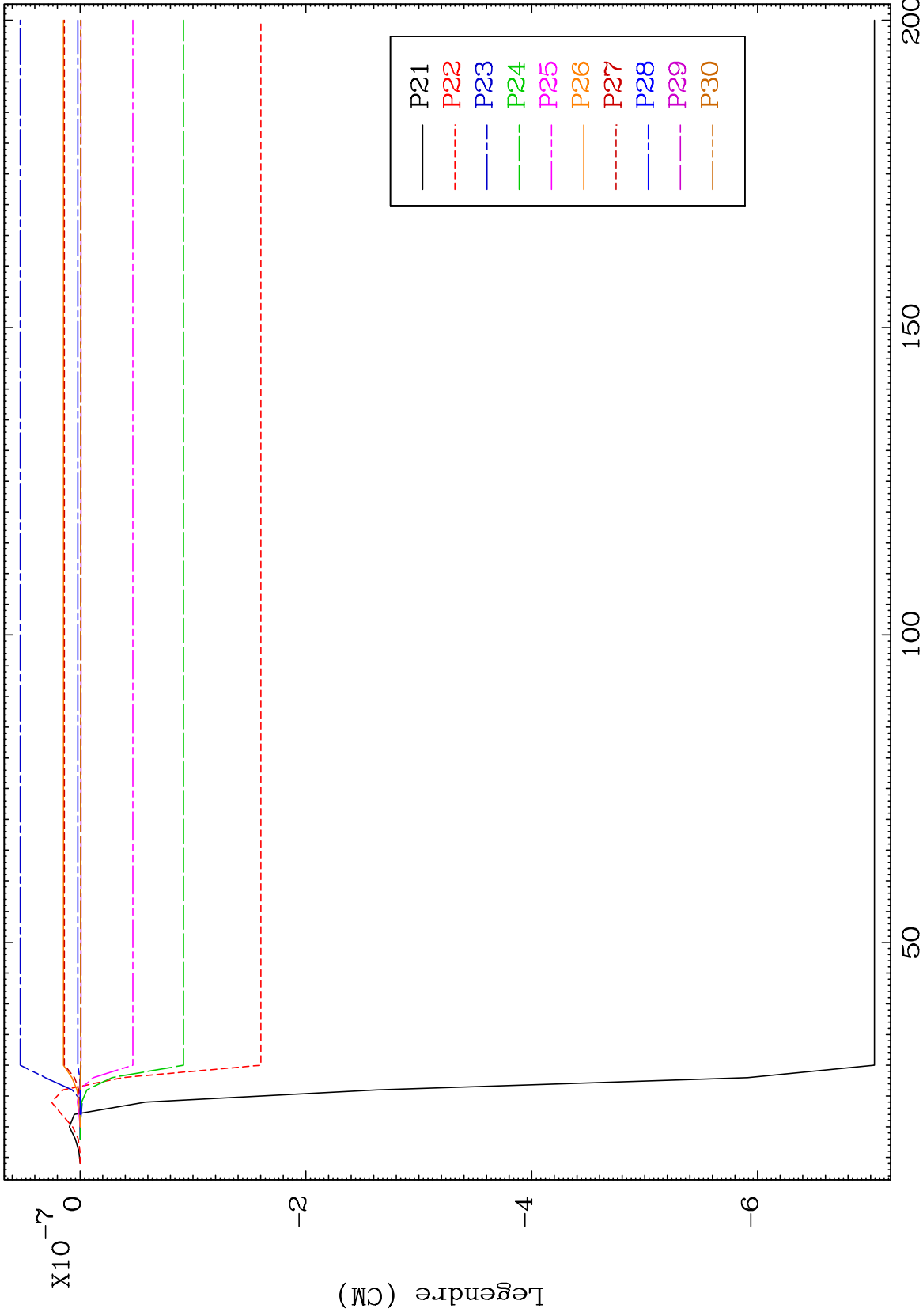
121

75-Re-192

MAT 7546

MT= 79 (n,n') Level
Legendre Coefficients

75-Re-192



122

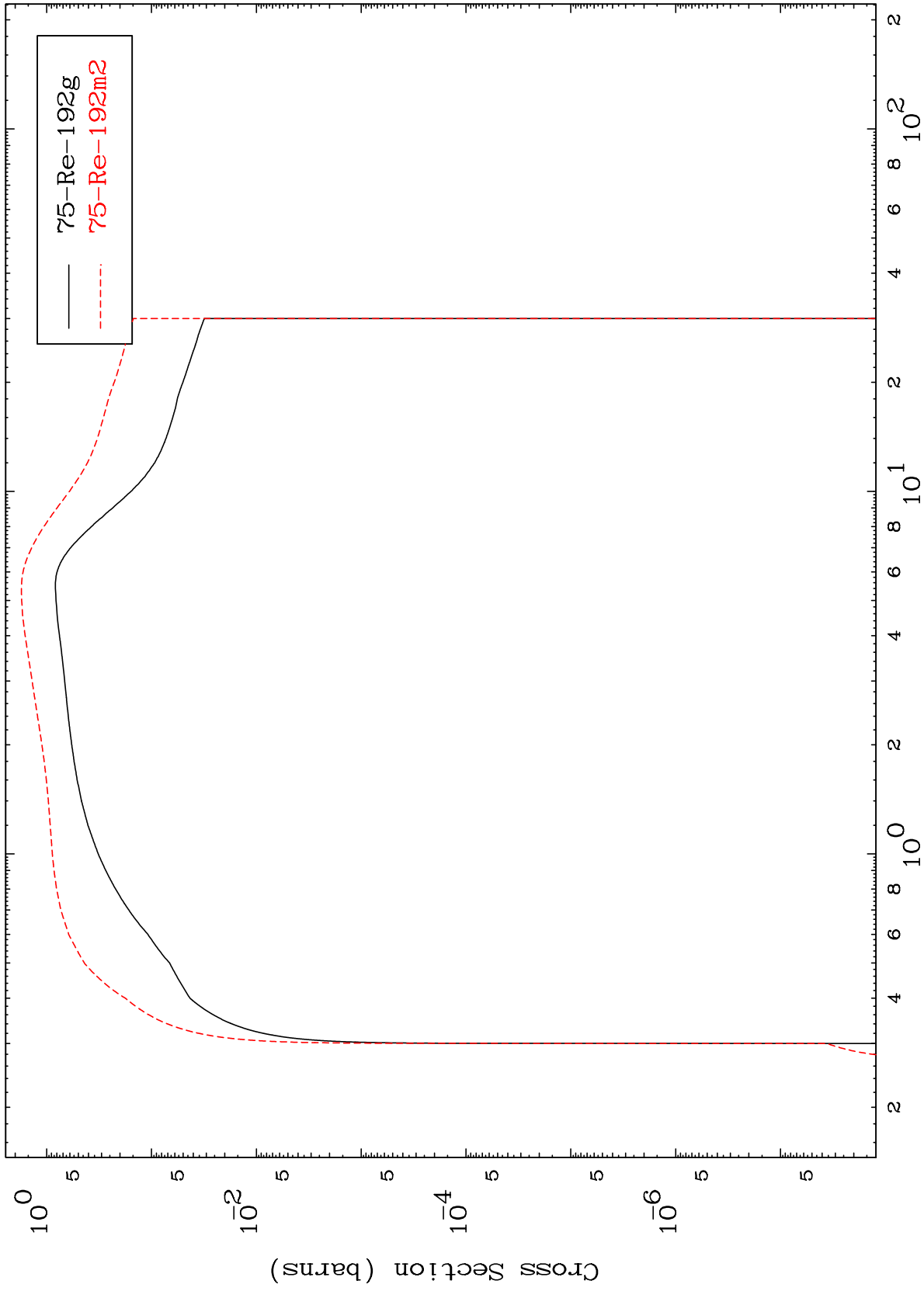
Incident Energy (MeV)

75-Re-192

MAT 7546

75-Re-192

Inelastic
Radionuclide Production Cross Section



123

Incident Energy (MeV)

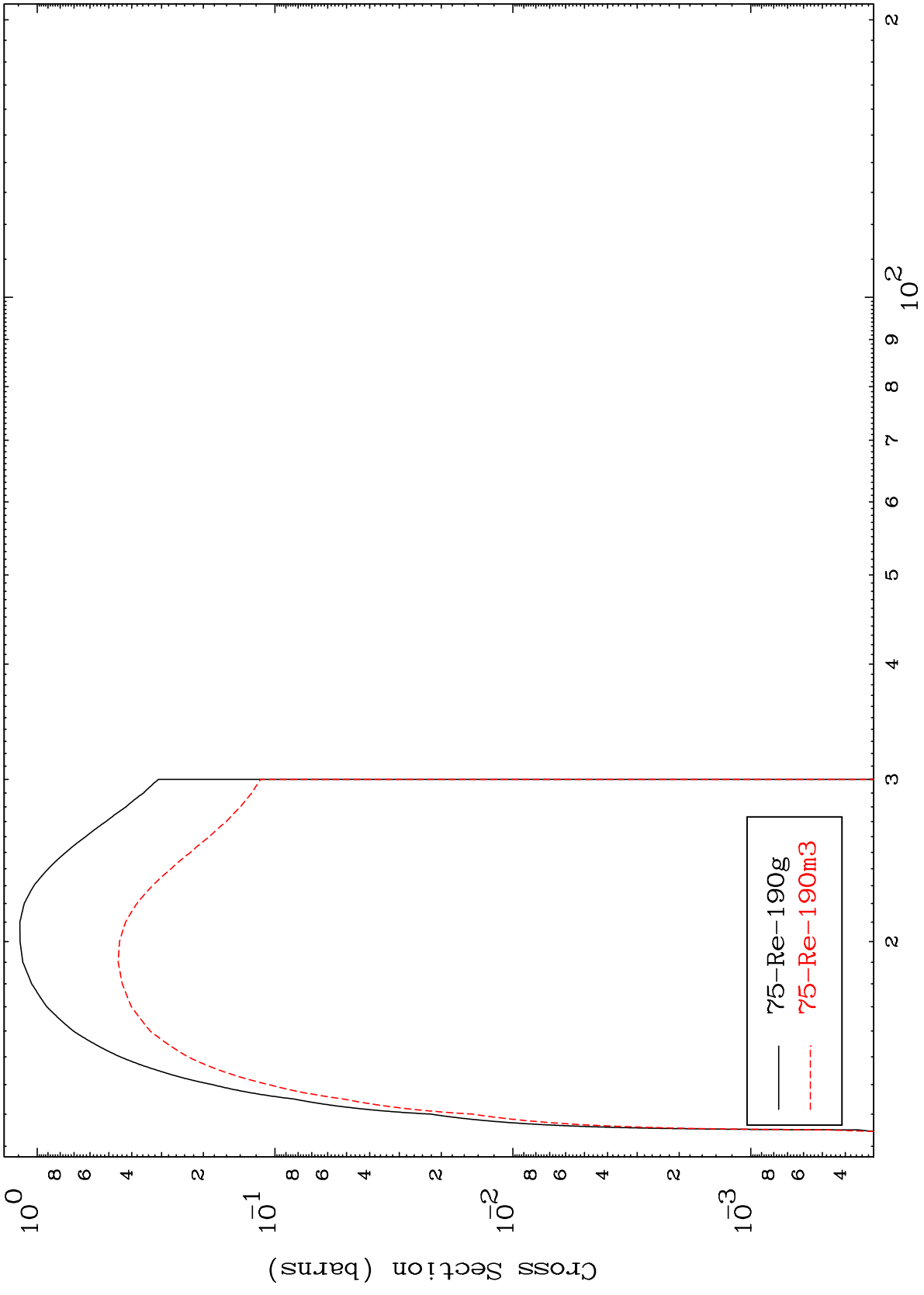
75-Re-192

MAT 7546

(n,3n)

75-Re-192

Radionuclide Production Cross Section



124

Incident Energy (MeV)

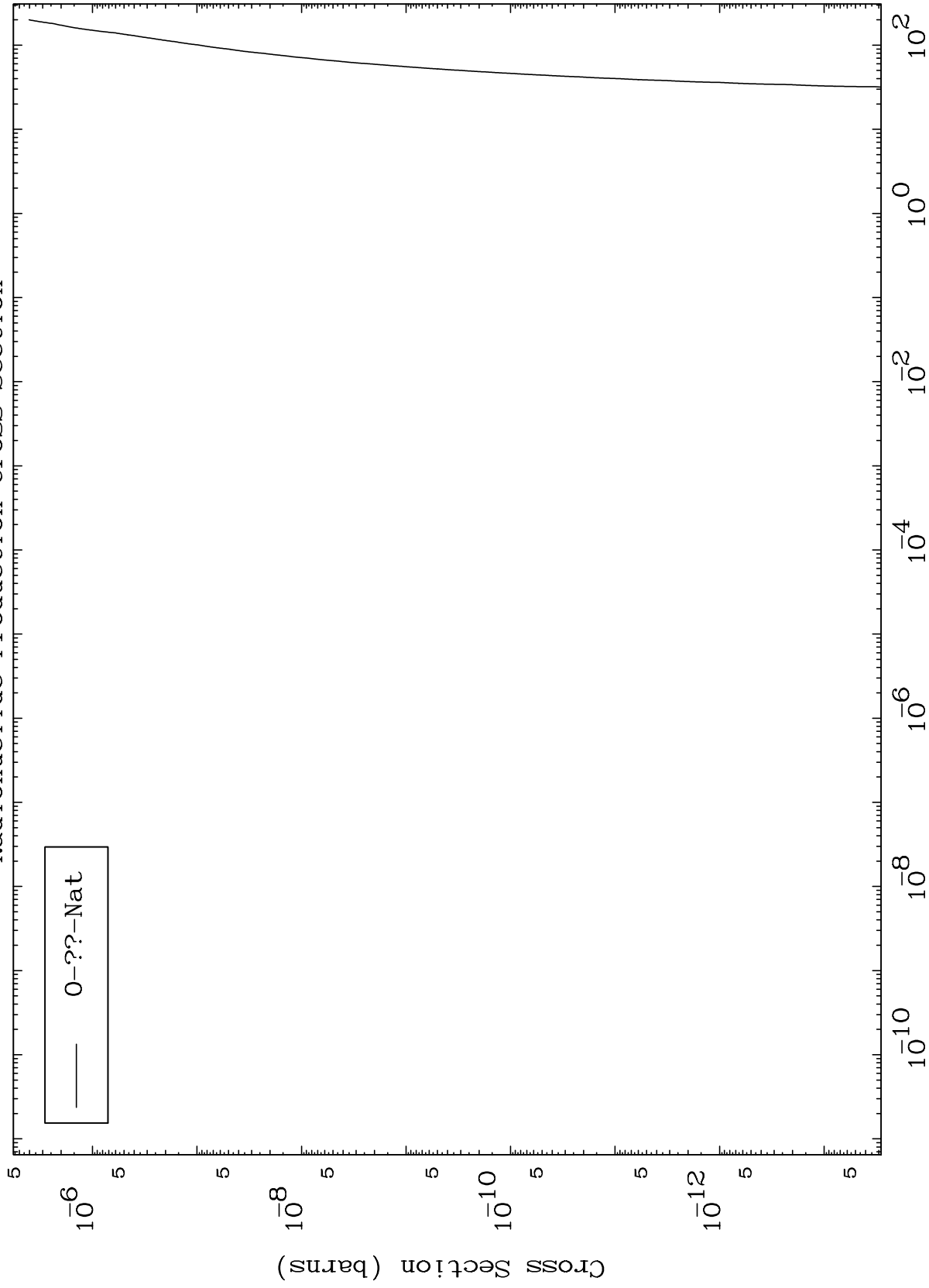
75-Re-192

MAT 7546

Fission

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Radionuclide Production Cross Section



125

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