

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

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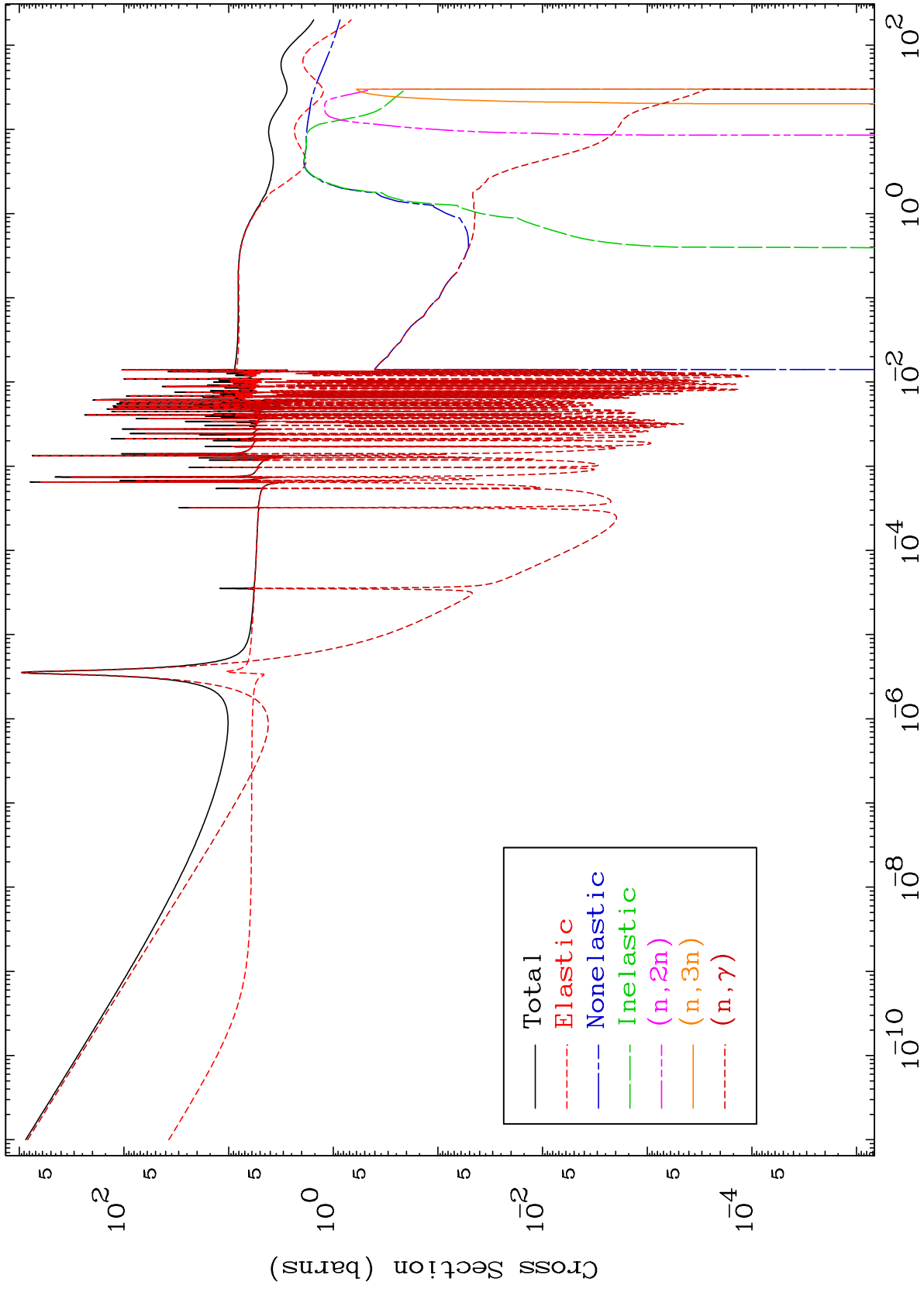
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3834

Neutron Major
293 Kelvin Cross Sections

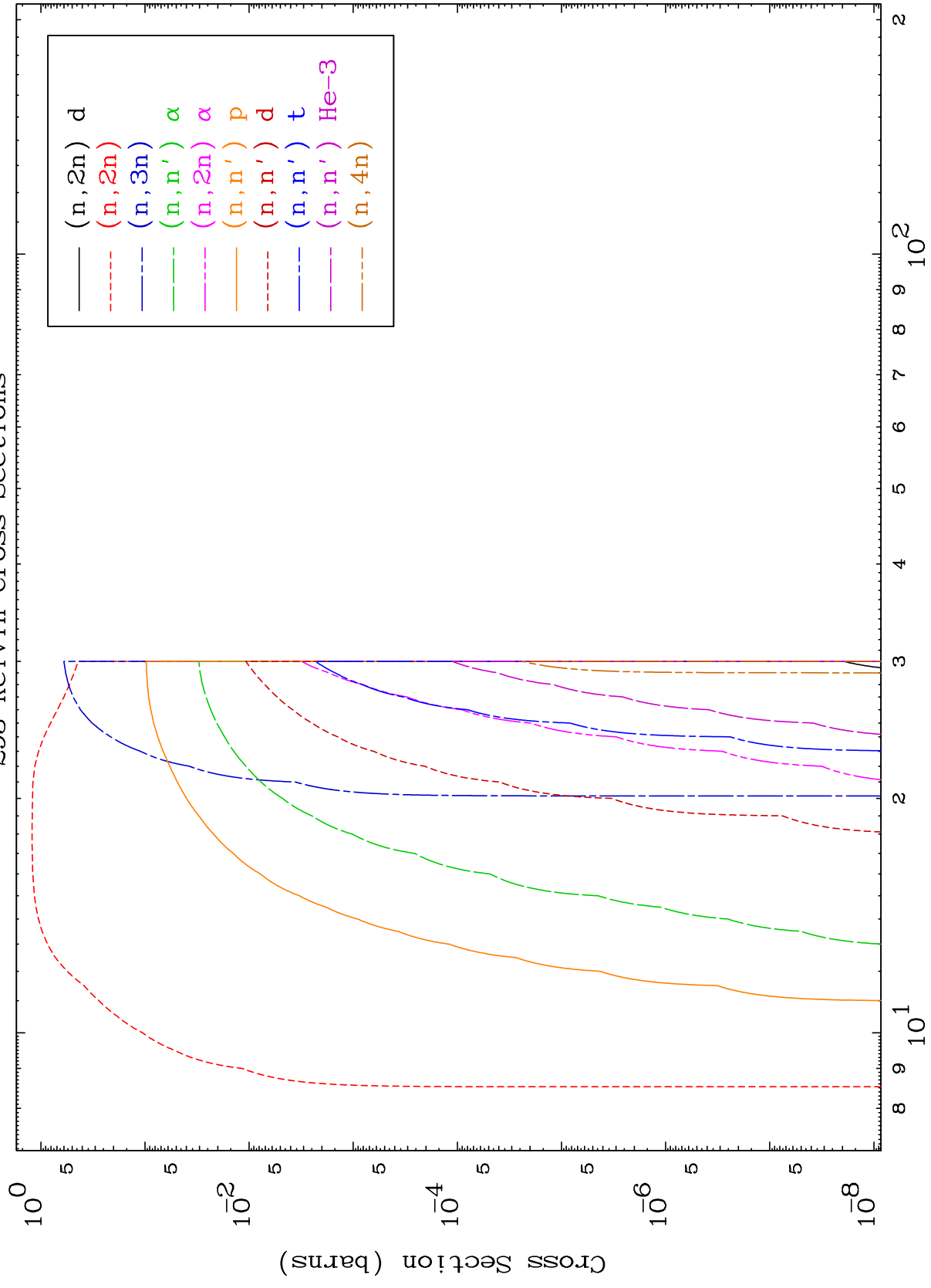
38-Sr-87



MAT 3834

Neutron Absorption
293 Kelvin Cross Sections

38-Sr-87



2

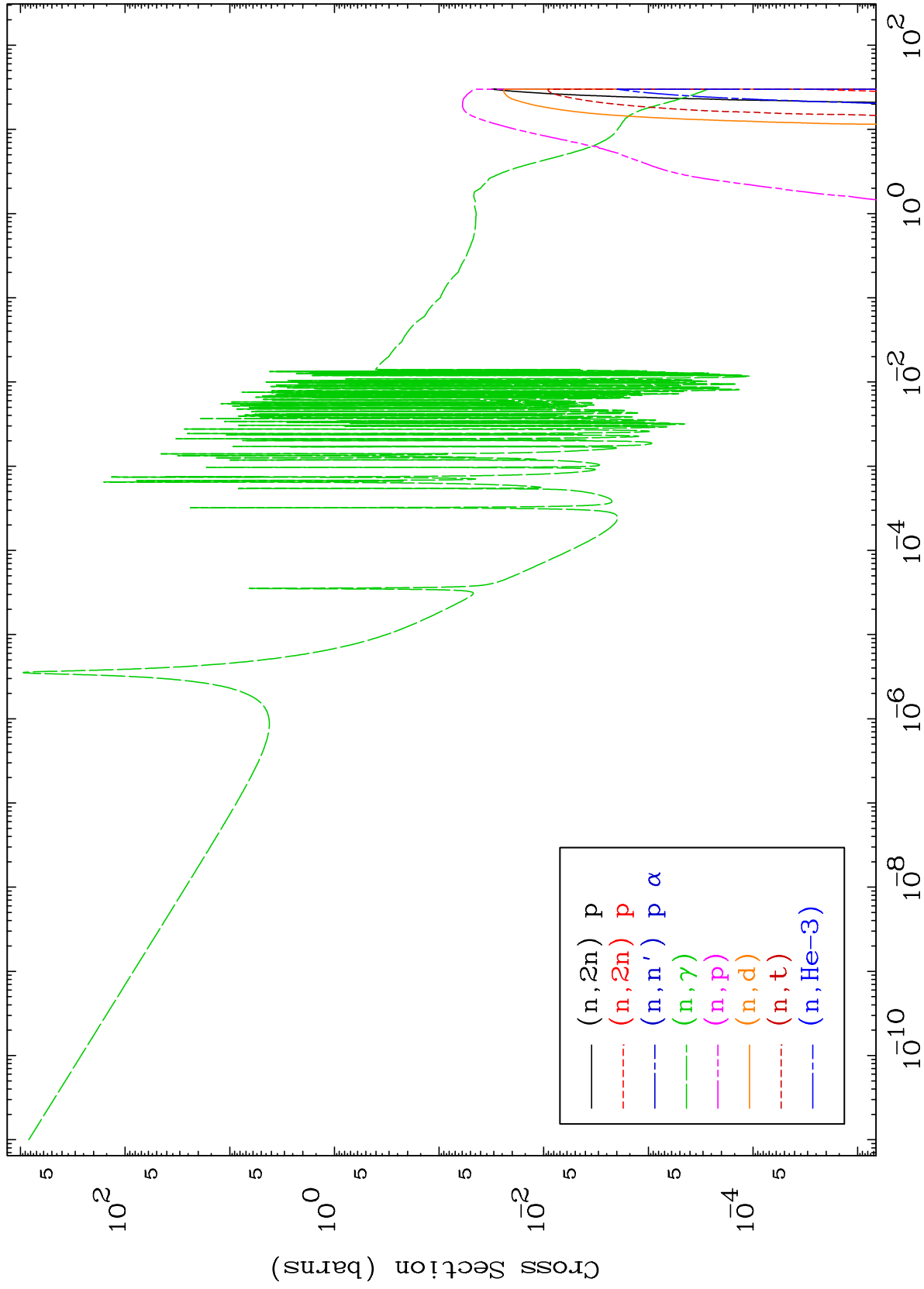
Incident Energy (MeV)

38-Sr-87

MAT 3834

Neutron Absorption
293 Kelvin Cross Sections

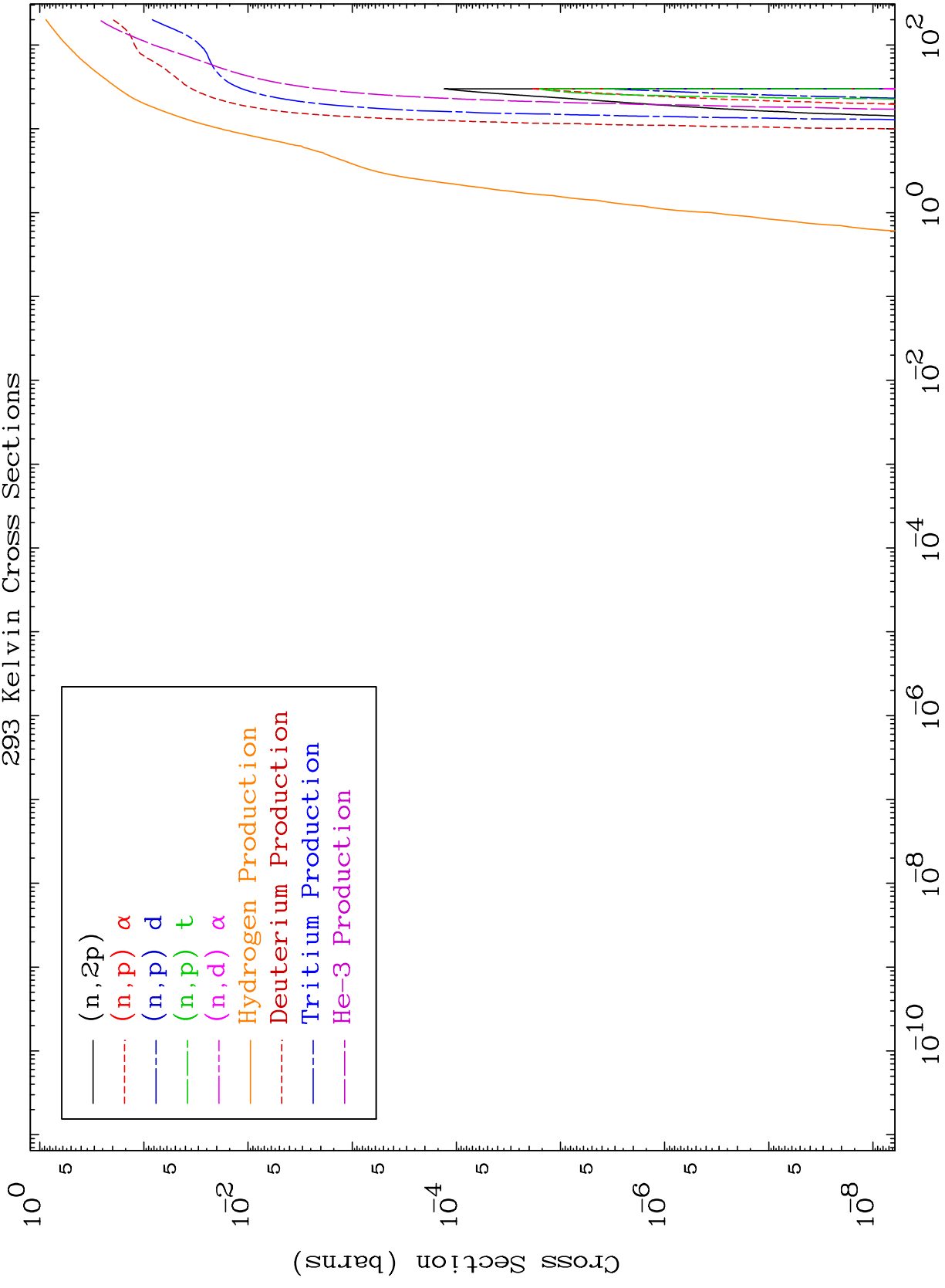
38-Sr-87



MAT 3834

Neutron Absorption
293 Kelvin Cross Sections

38-Sr-87

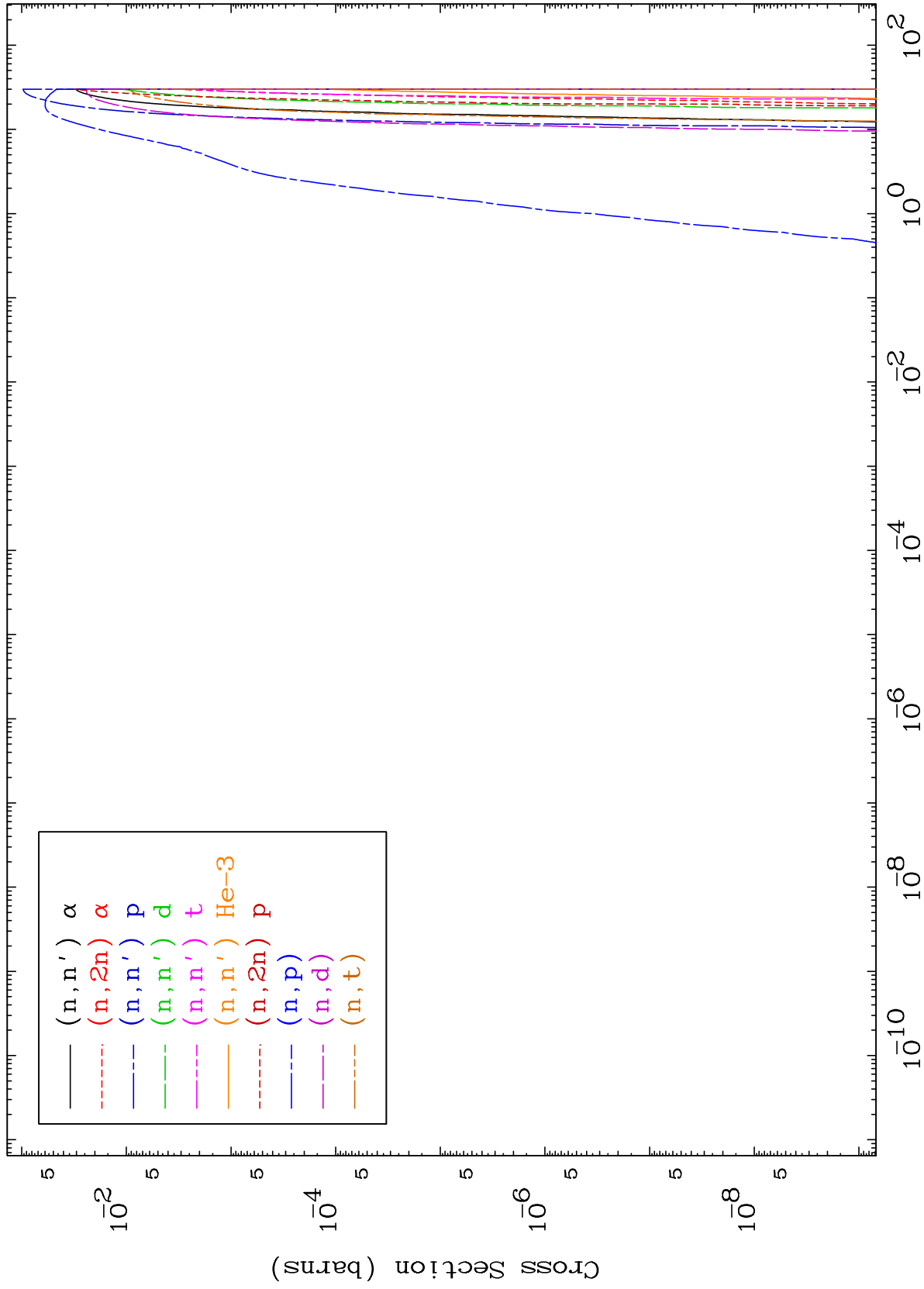


38-Sr-87

MAT 3834

Charged Particle
293 Kelvin Cross Sections

38-Sr-87



5

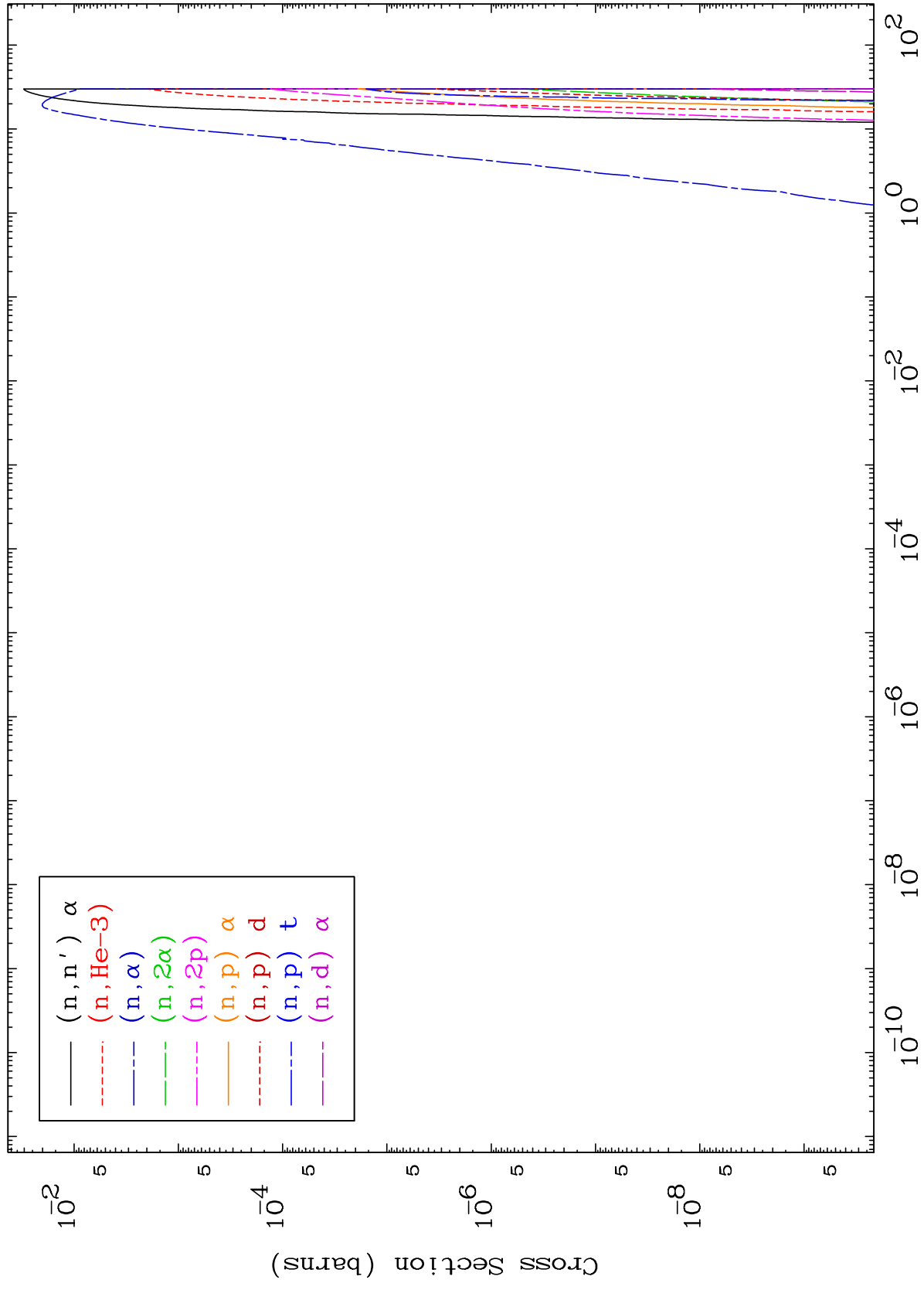
Incident Energy (MeV)

38-Sr-87

MAT 3834

Charged Particle
293 Kelvin Cross Sections

38-Sr-87



6

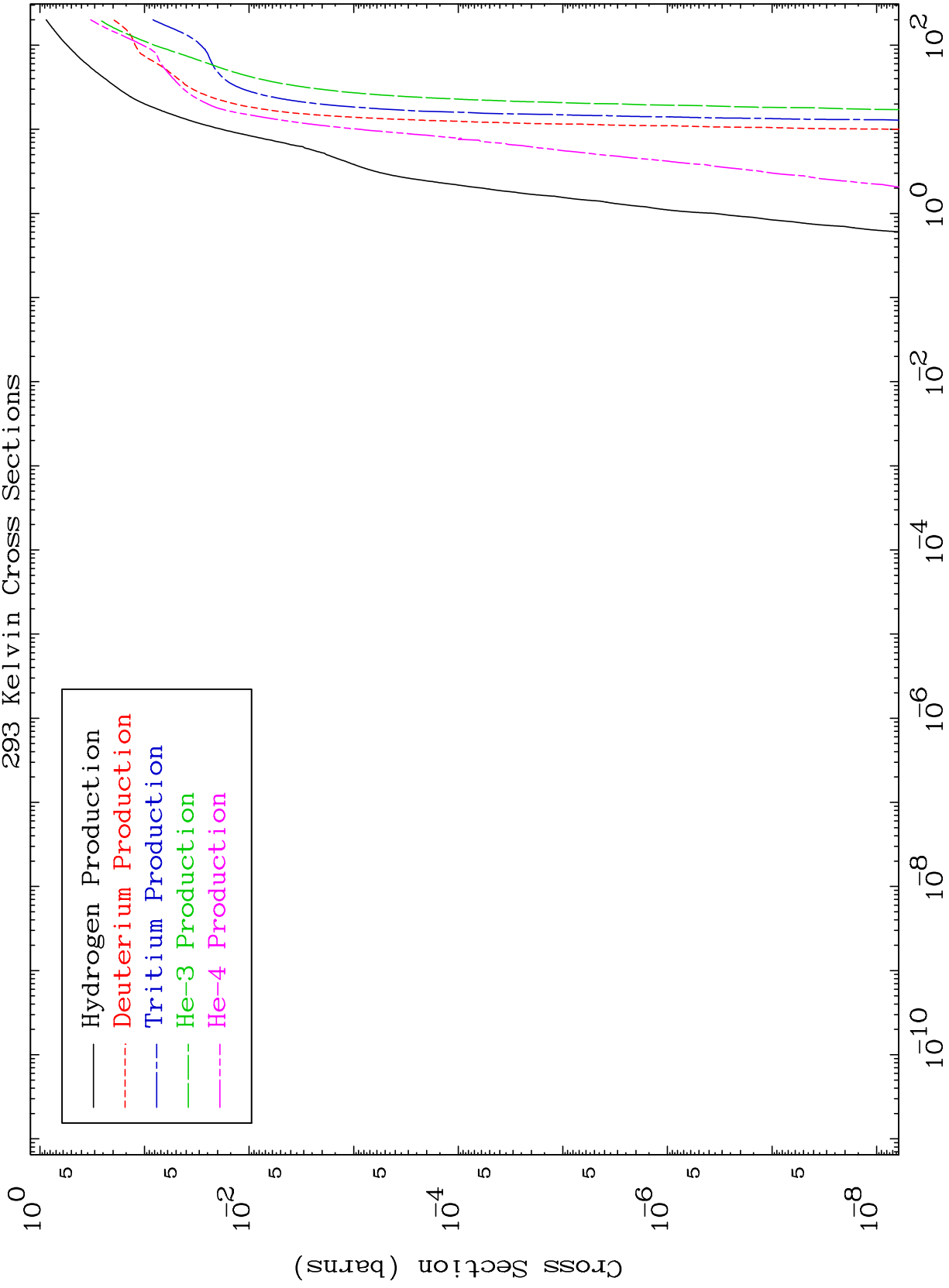
Incident Energy (MeV)

38-Sr-87

MAT 3834

Particle Production
293 Kelvin Cross Sections

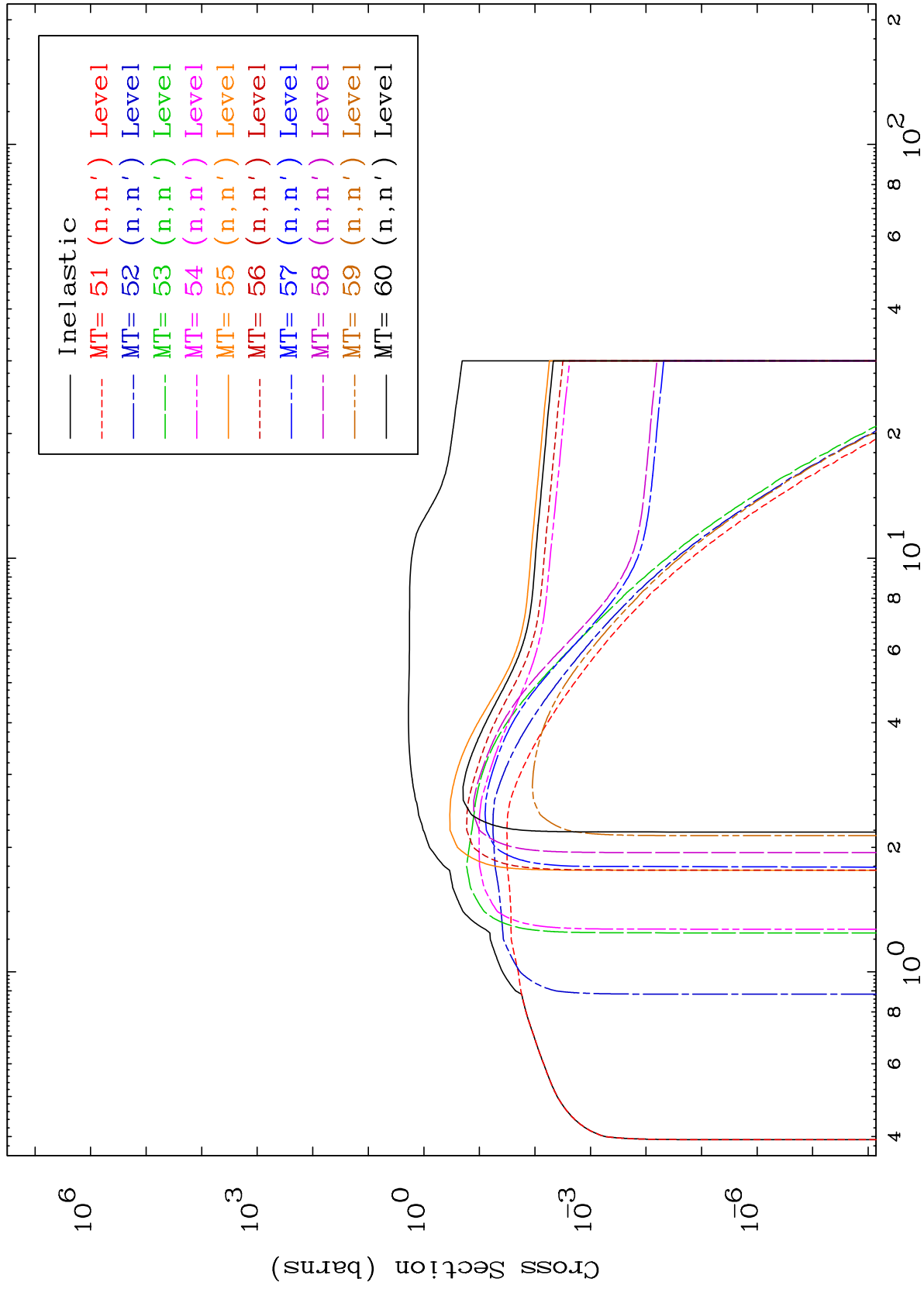
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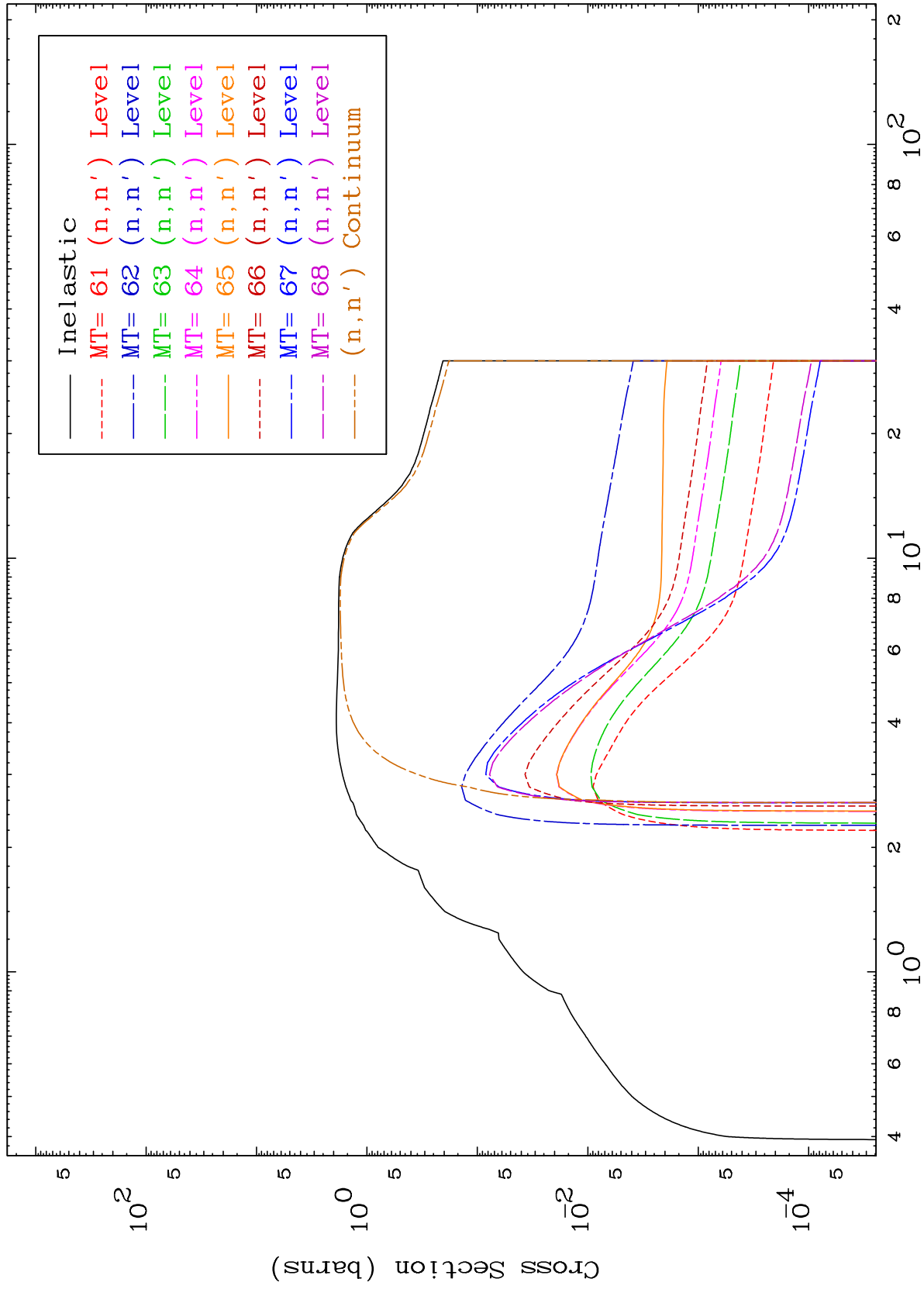


7

Incident Energy (MeV)

38-Sr-87

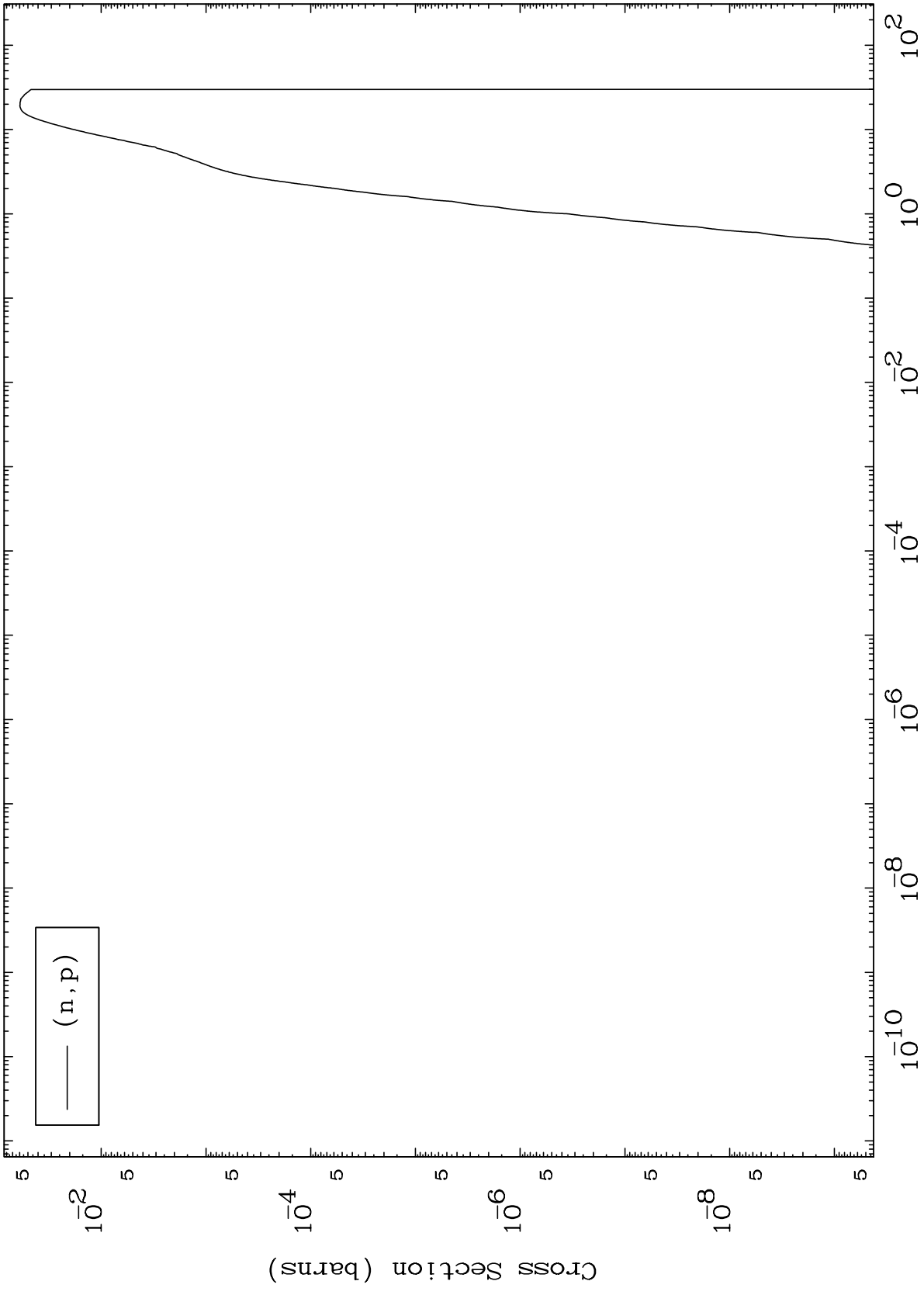




MAT 3834

(n,p) Levels
293 Kelvin Cross Sections

38-Sr-87



10

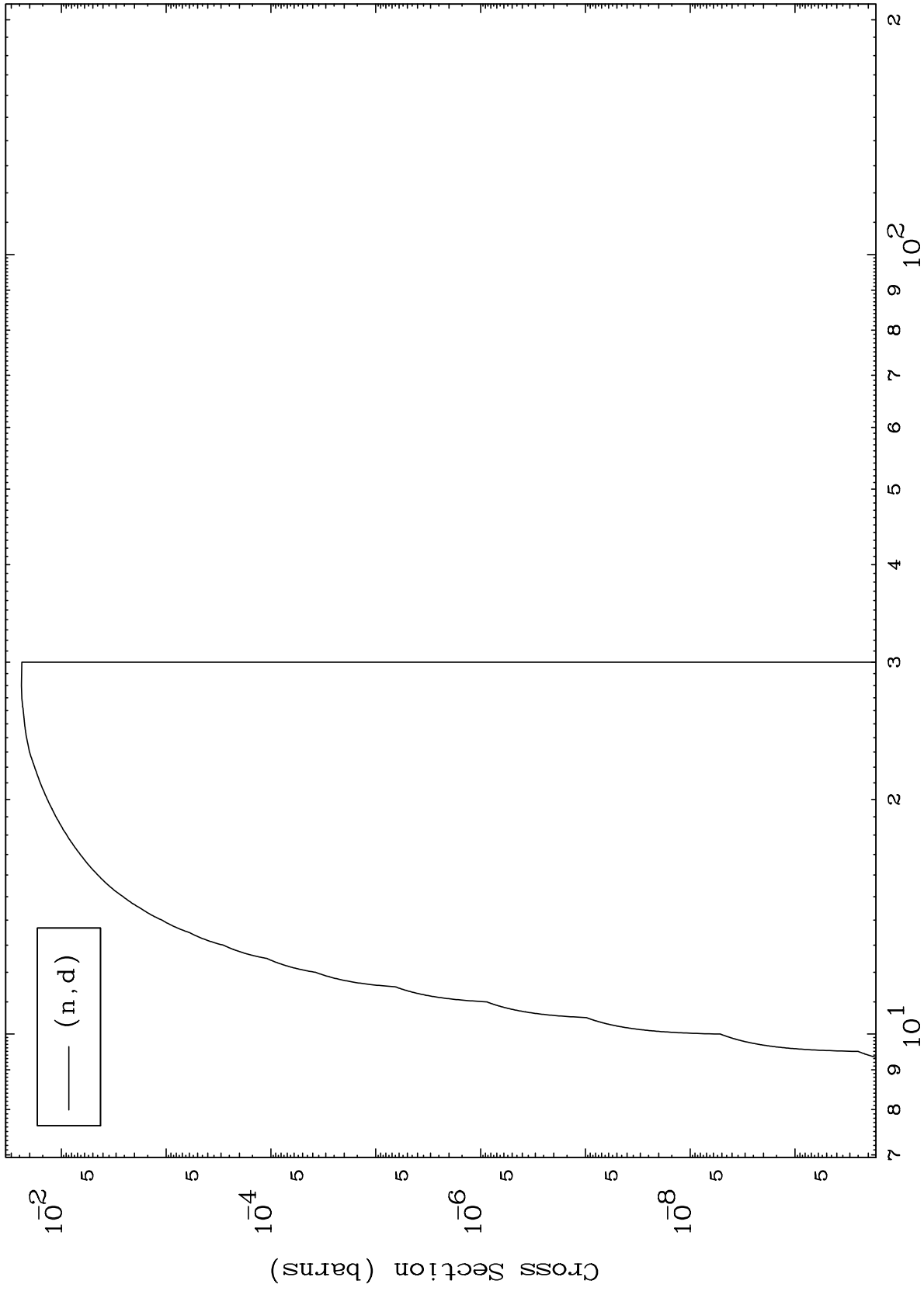
Incident Energy (MeV)

38-Sr-87

MAT 3834

(n,d) Levels
293 Kelvin Cross Sections

38-Sr-87



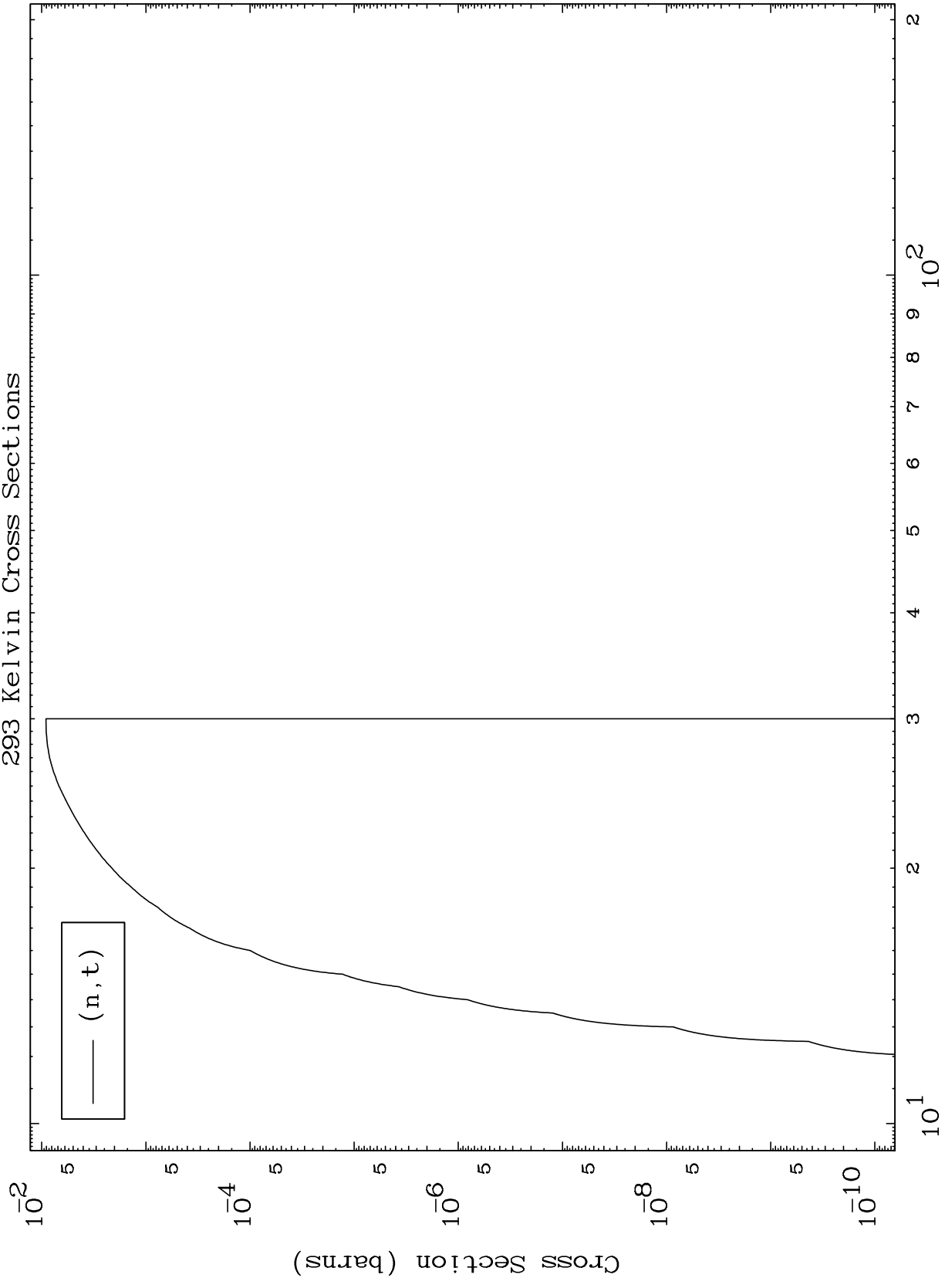
11

38-Sr-87

MAT 3834

(n,t) Levels
293 Kelvin Cross Sections

38-Sr-87



12

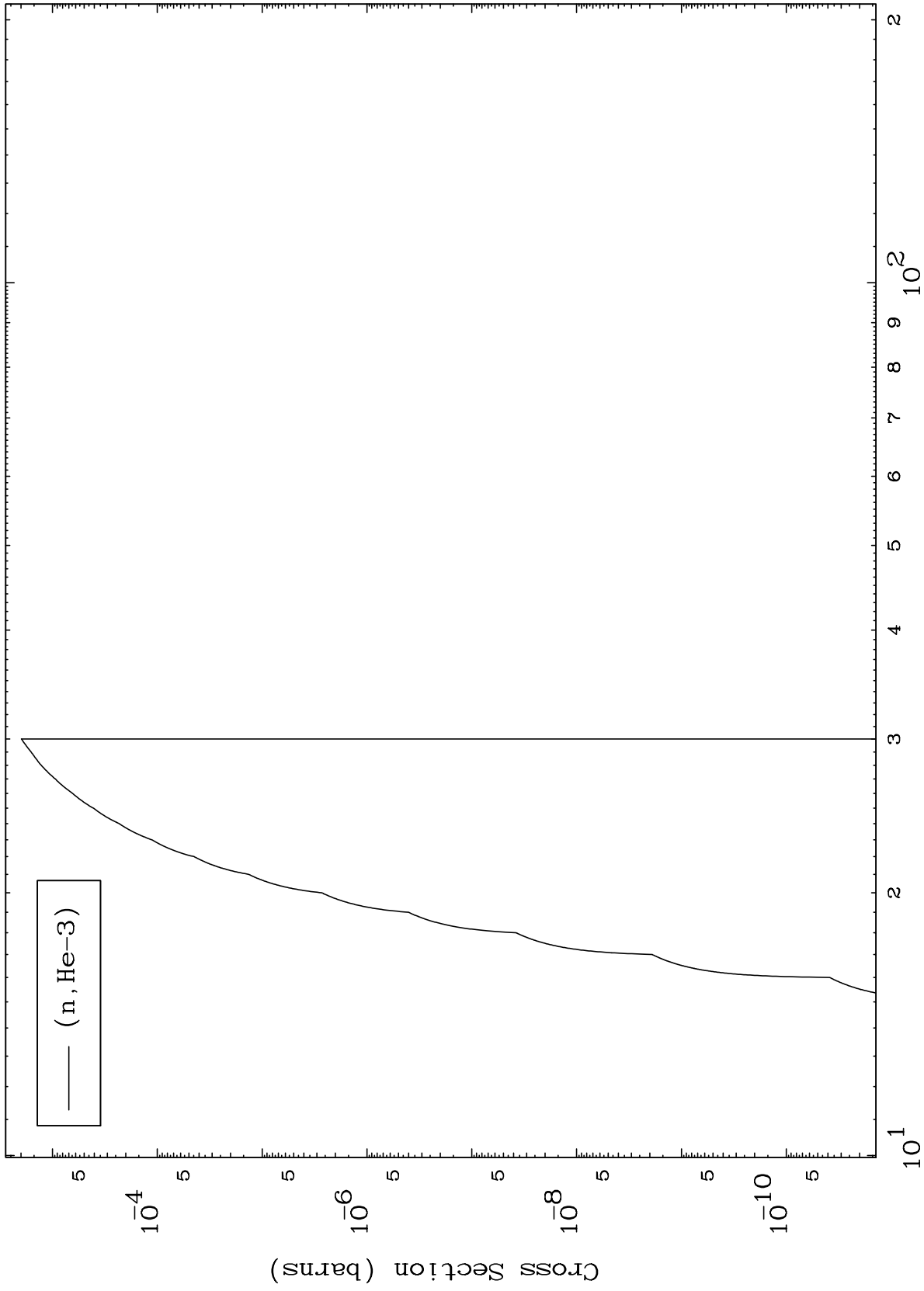
Incident Energy (MeV)

38-Sr-87

MAT 3834

(n,He3) Levels
293 Kelvin Cross Sections

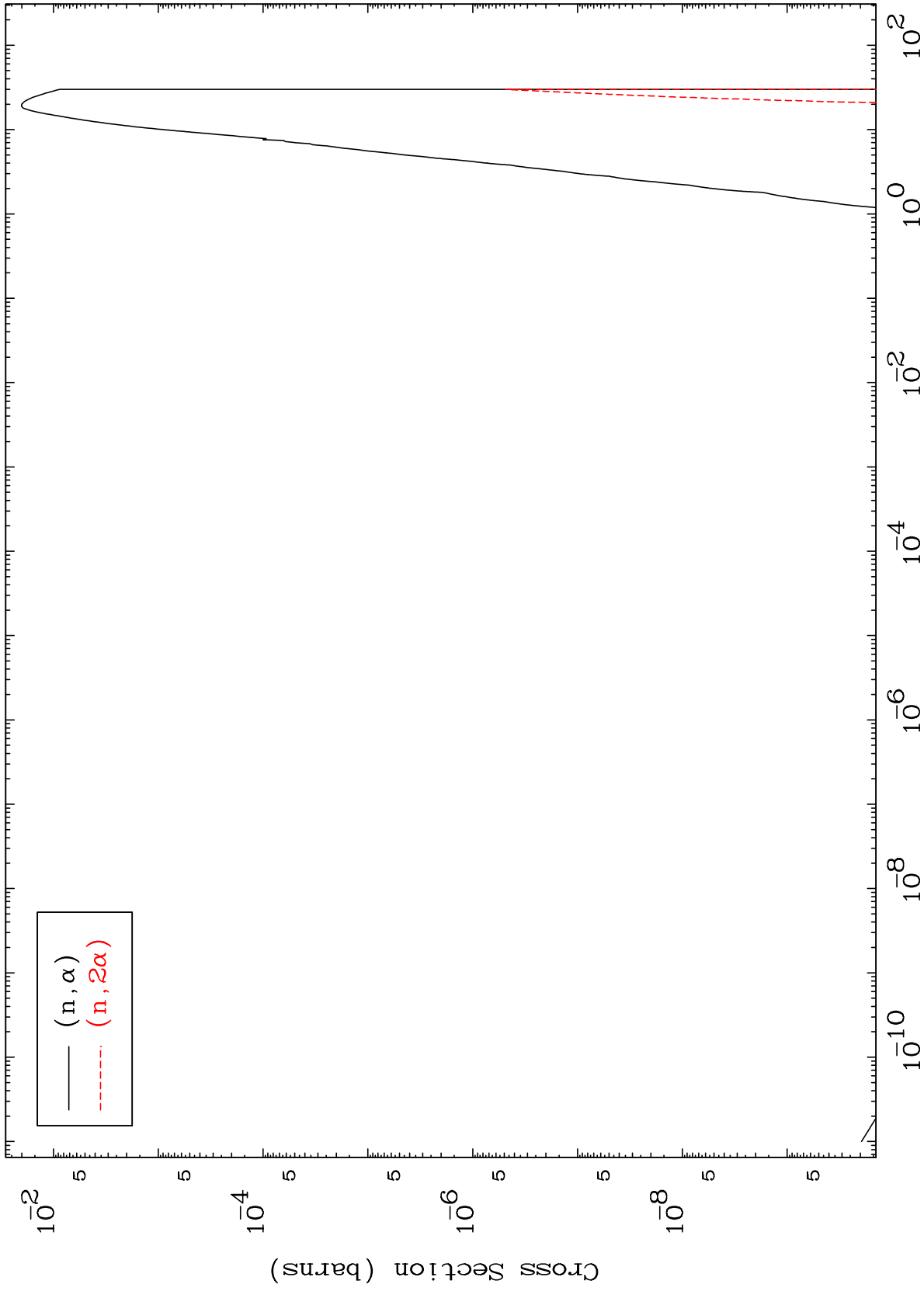
38-Sr-87



MAT 3834

(n,α) Levels
293 Kelvin Cross Sections

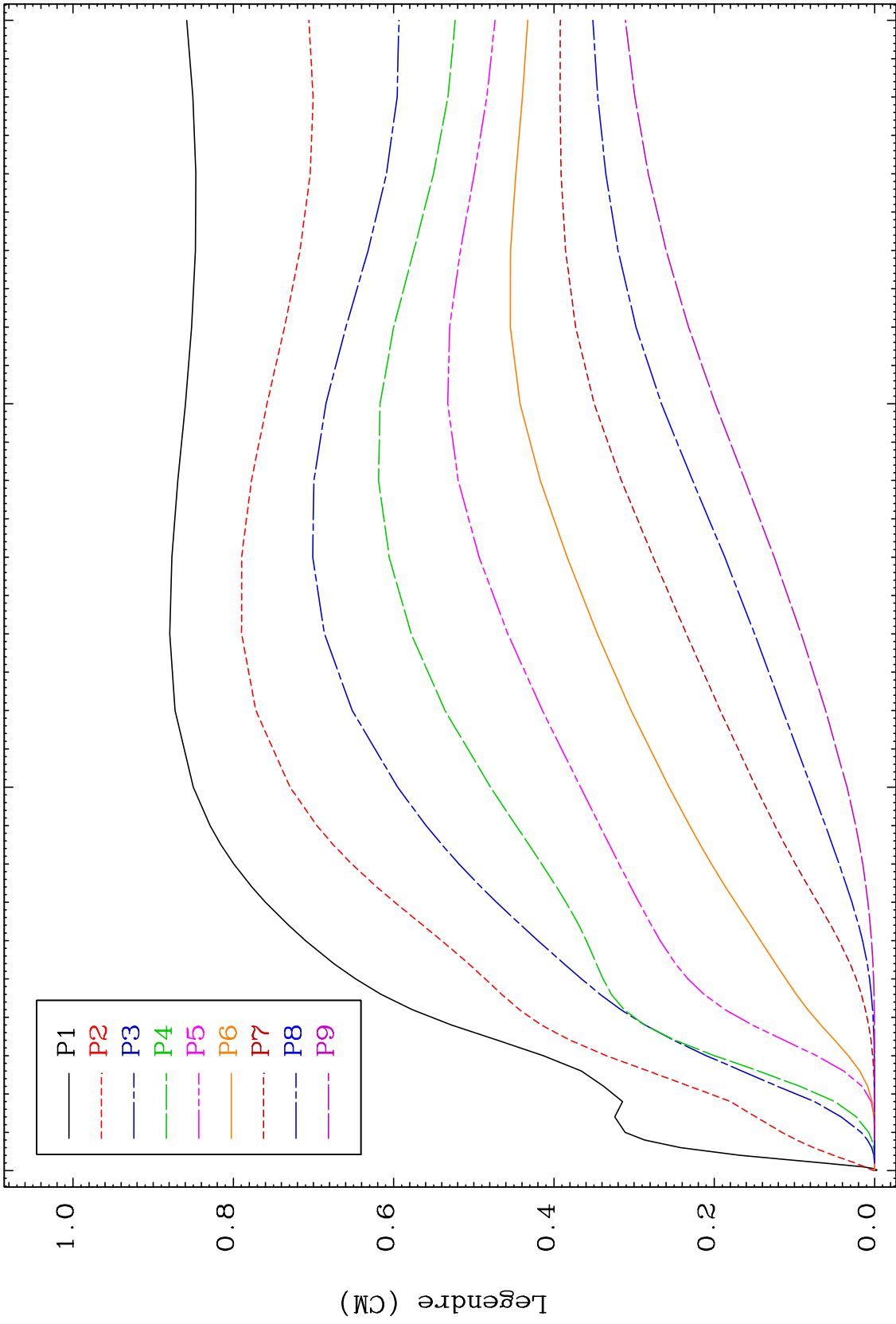
38-Sr-87



MAT 3834

Elastic Legendre Coefficients

38-Sr-87



15

0

10

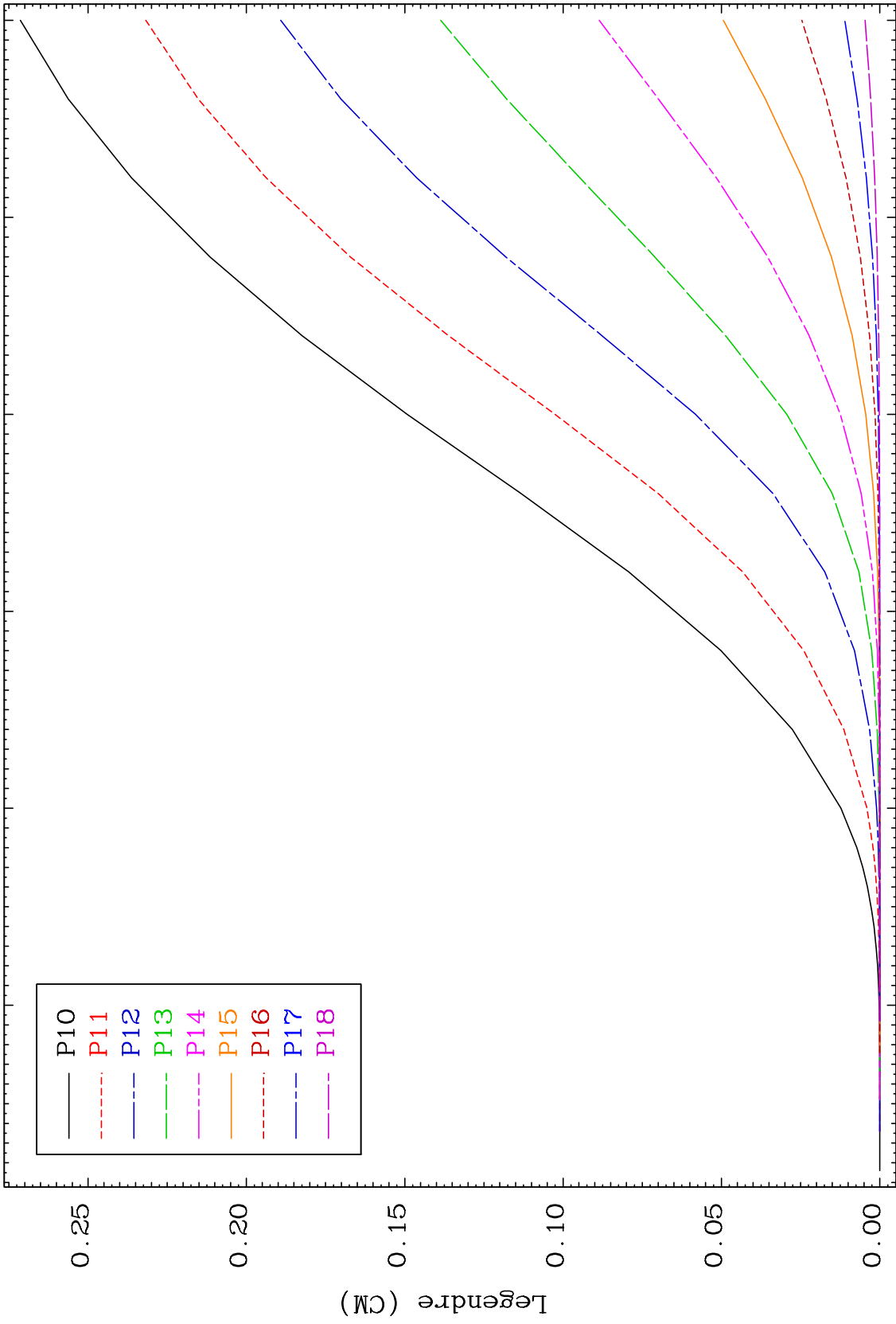
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30

MAT 3834

Elastic Legendre Coefficients

38-Sr-87



16

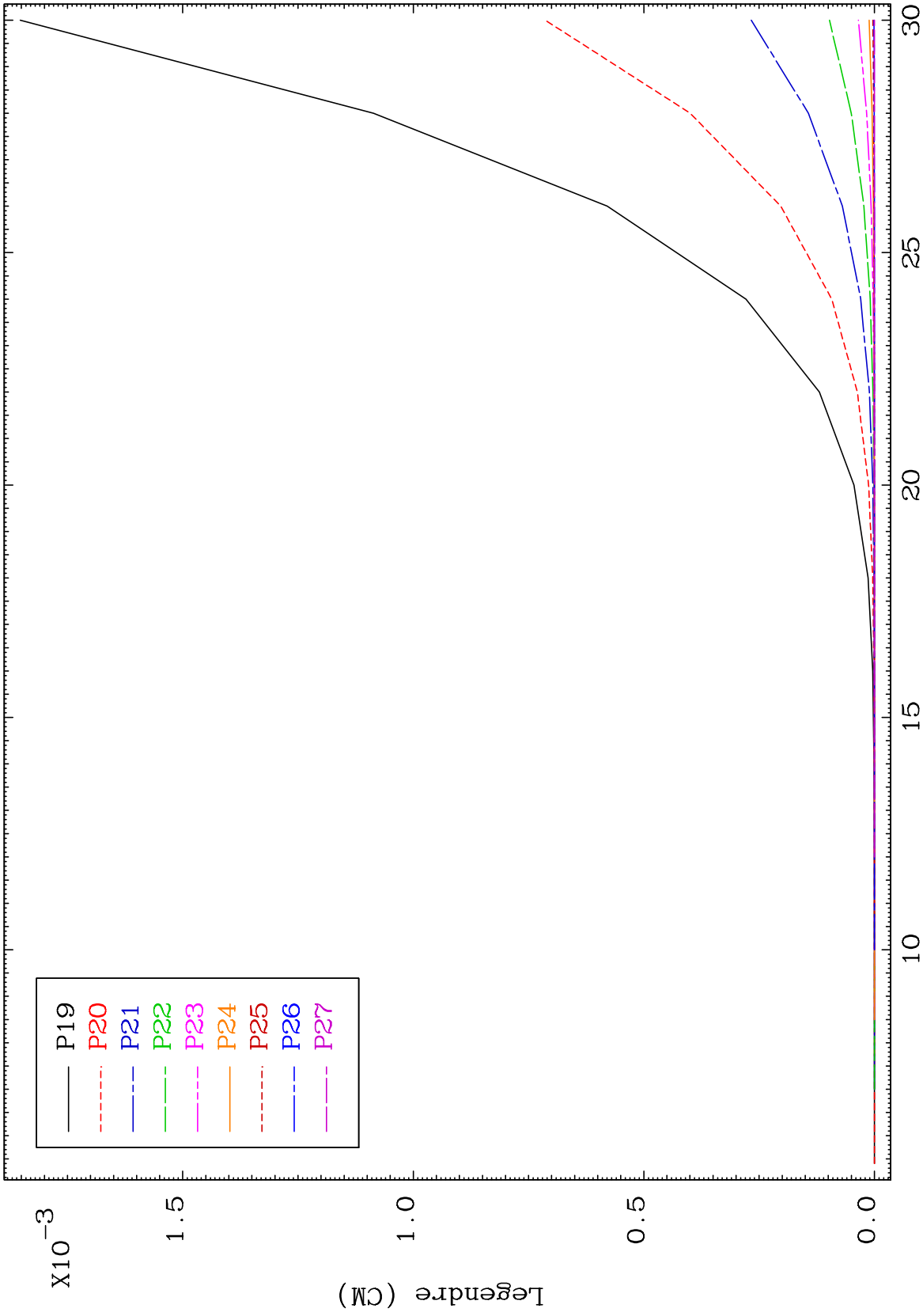
Incident Energy (MeV)

38-Sr-87

MAT 3834

Elastic Legendre Coefficients

38-Sr-87



17

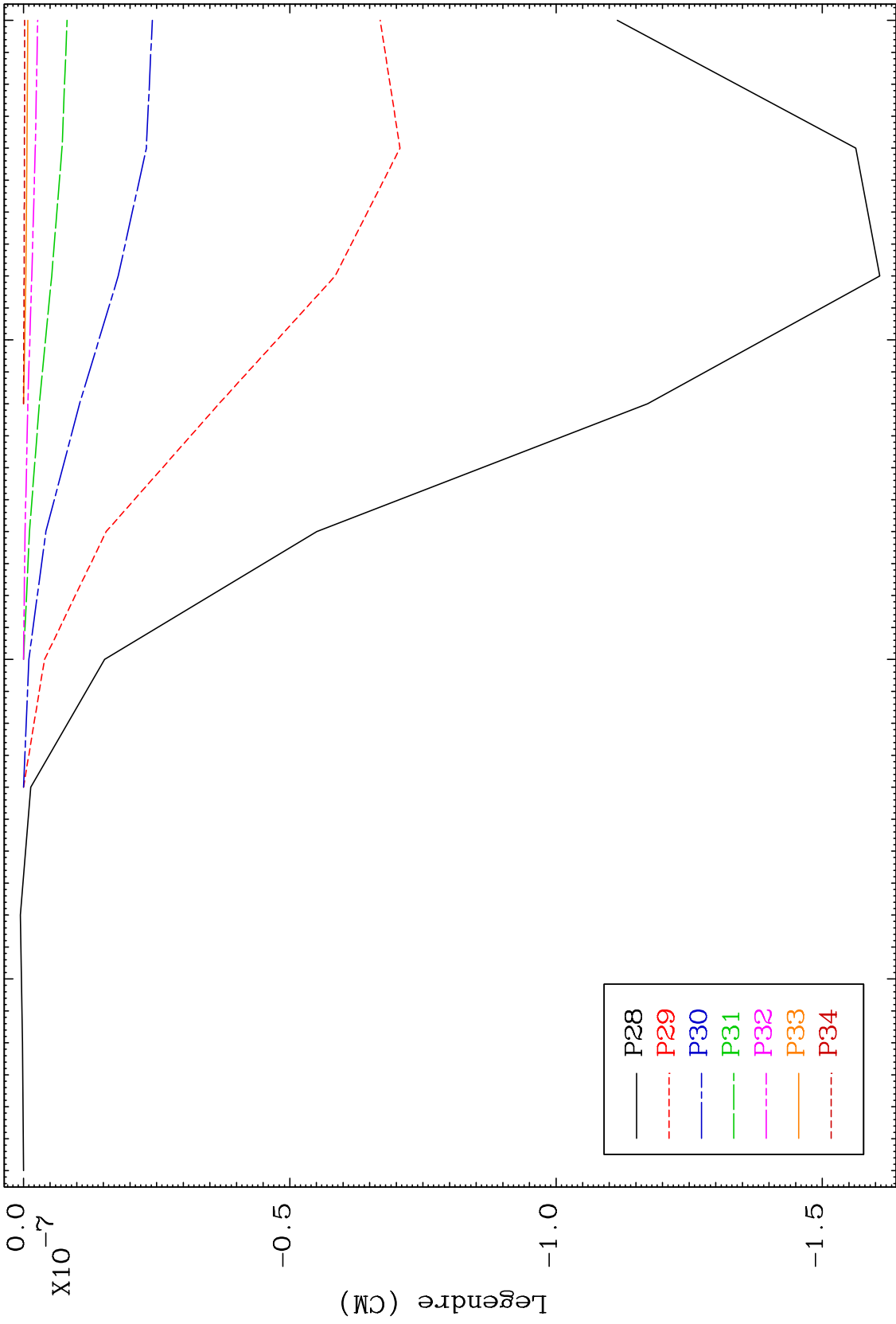
Incident Energy (MeV)

38-Sr-87

MAT 3834

38-Sr-87

Elastic Legendre Coefficients



18

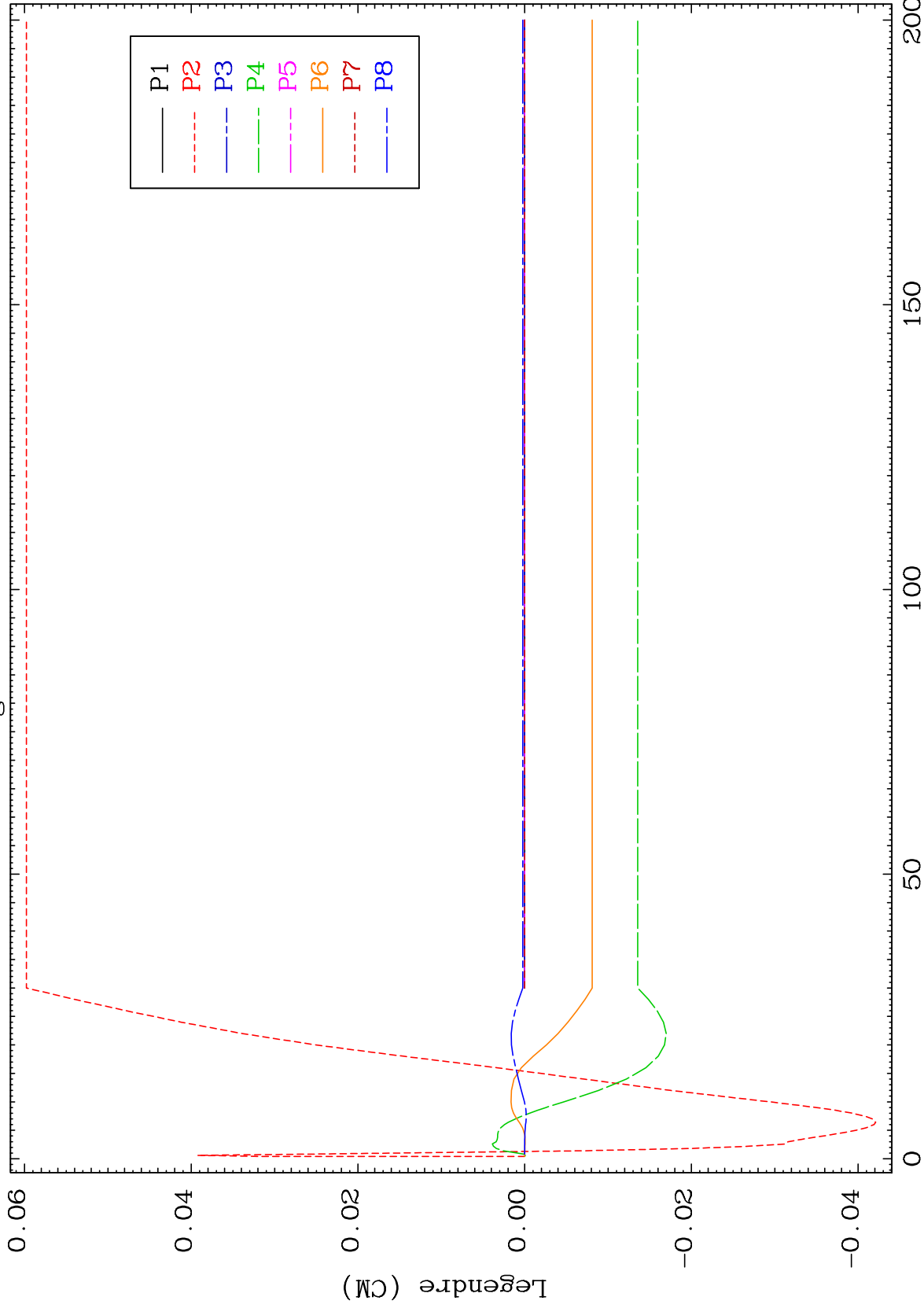
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



19

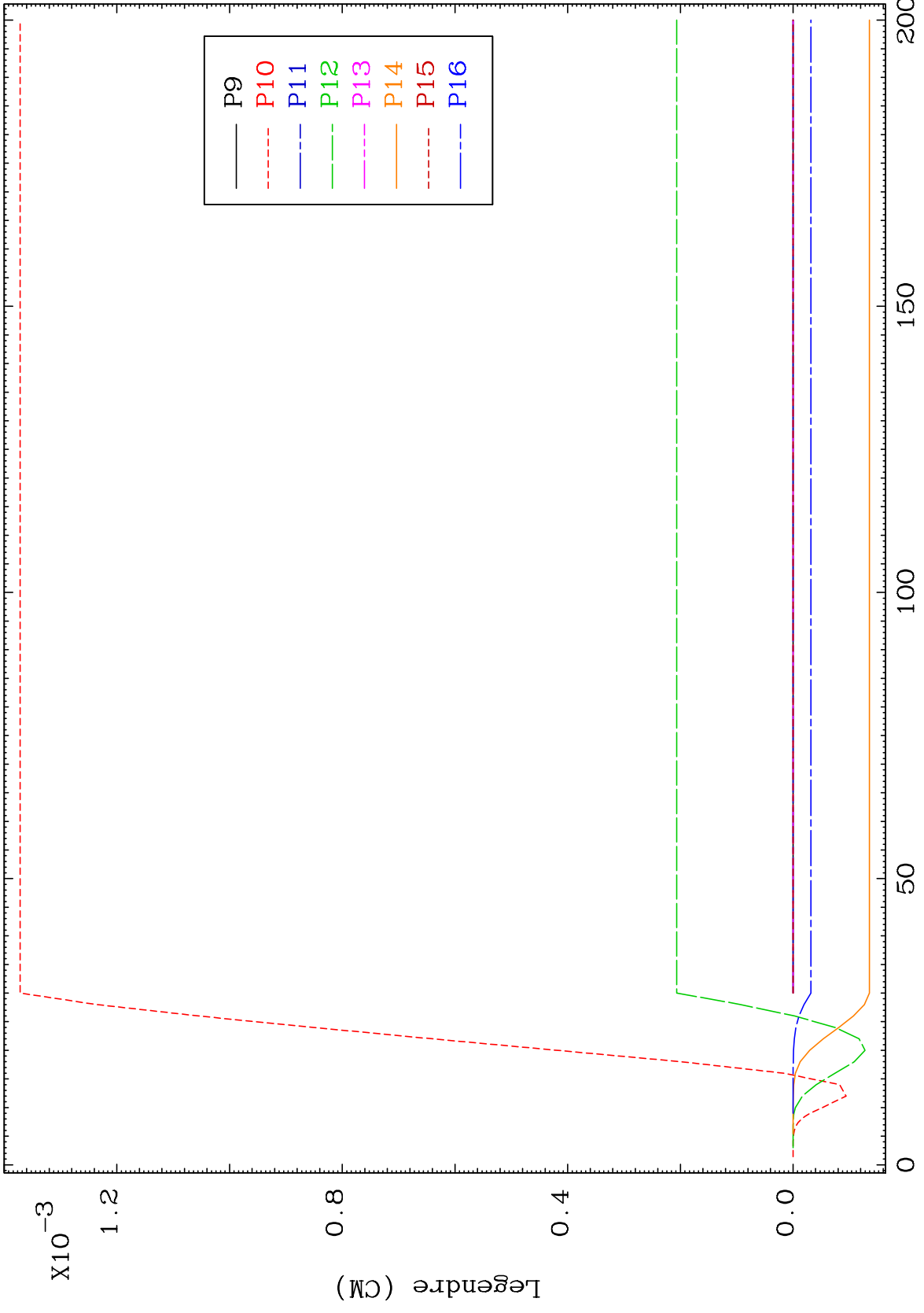
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



38-Sr-87

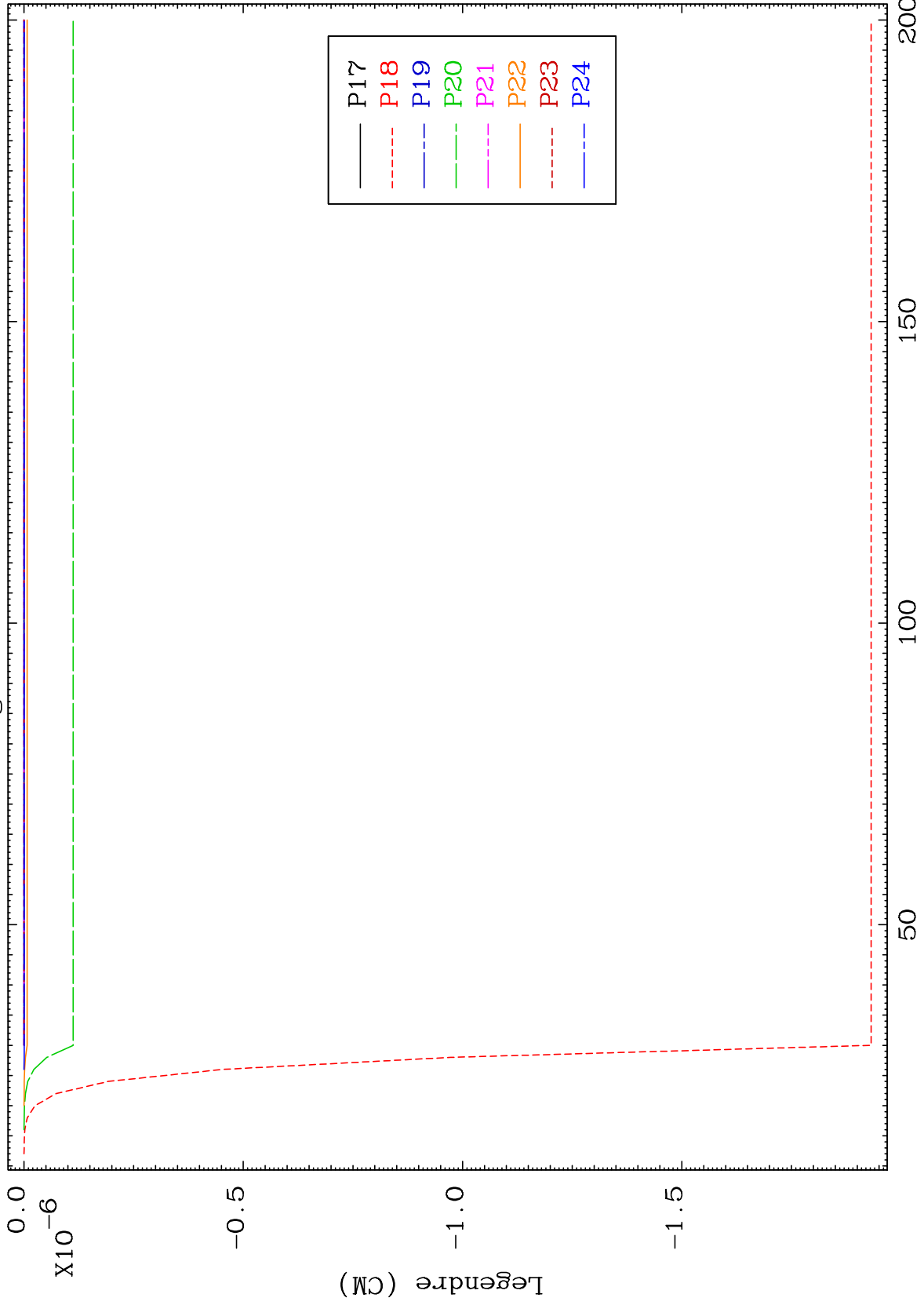
Incident Energy (MeV)

20

MAT 3834

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

38-Sr-87

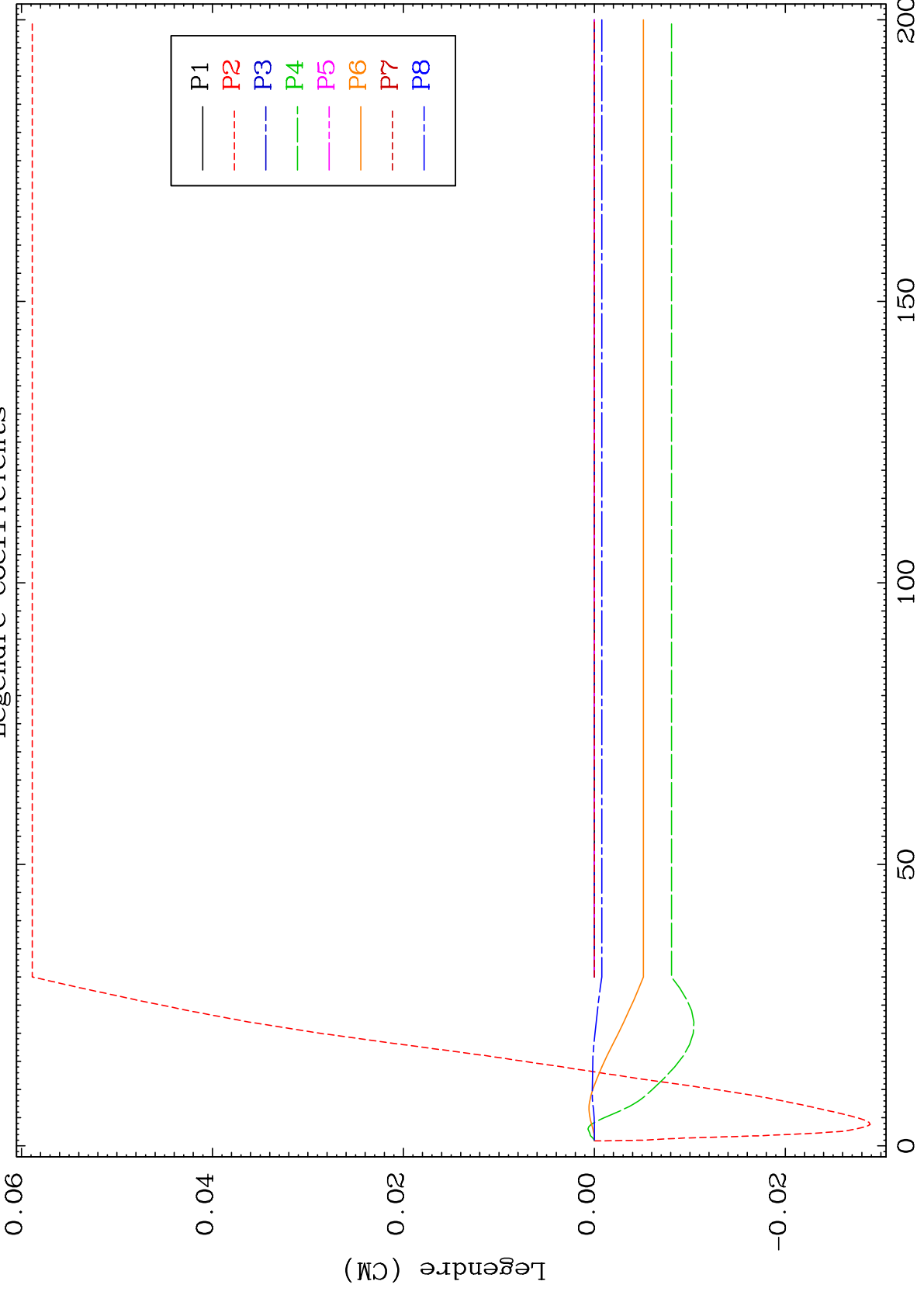


38-Sr-87

Incident Energy (MeV)

21

MAT 3834 MT= 52 (n,n') Level Legendre Coefficients 38-Sr-87

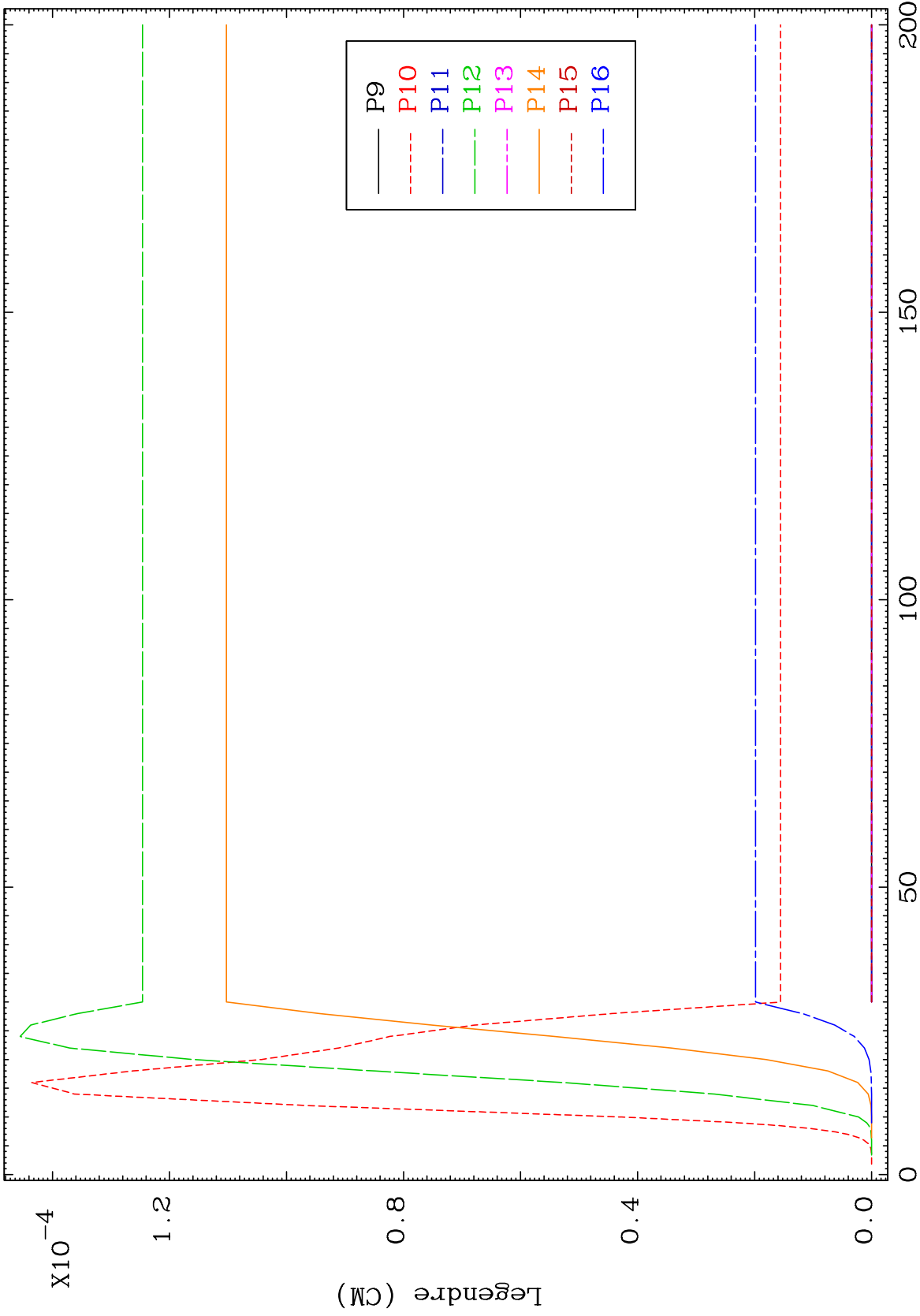


38-Sr-87

MAT 3834

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

38-Sr-87



23

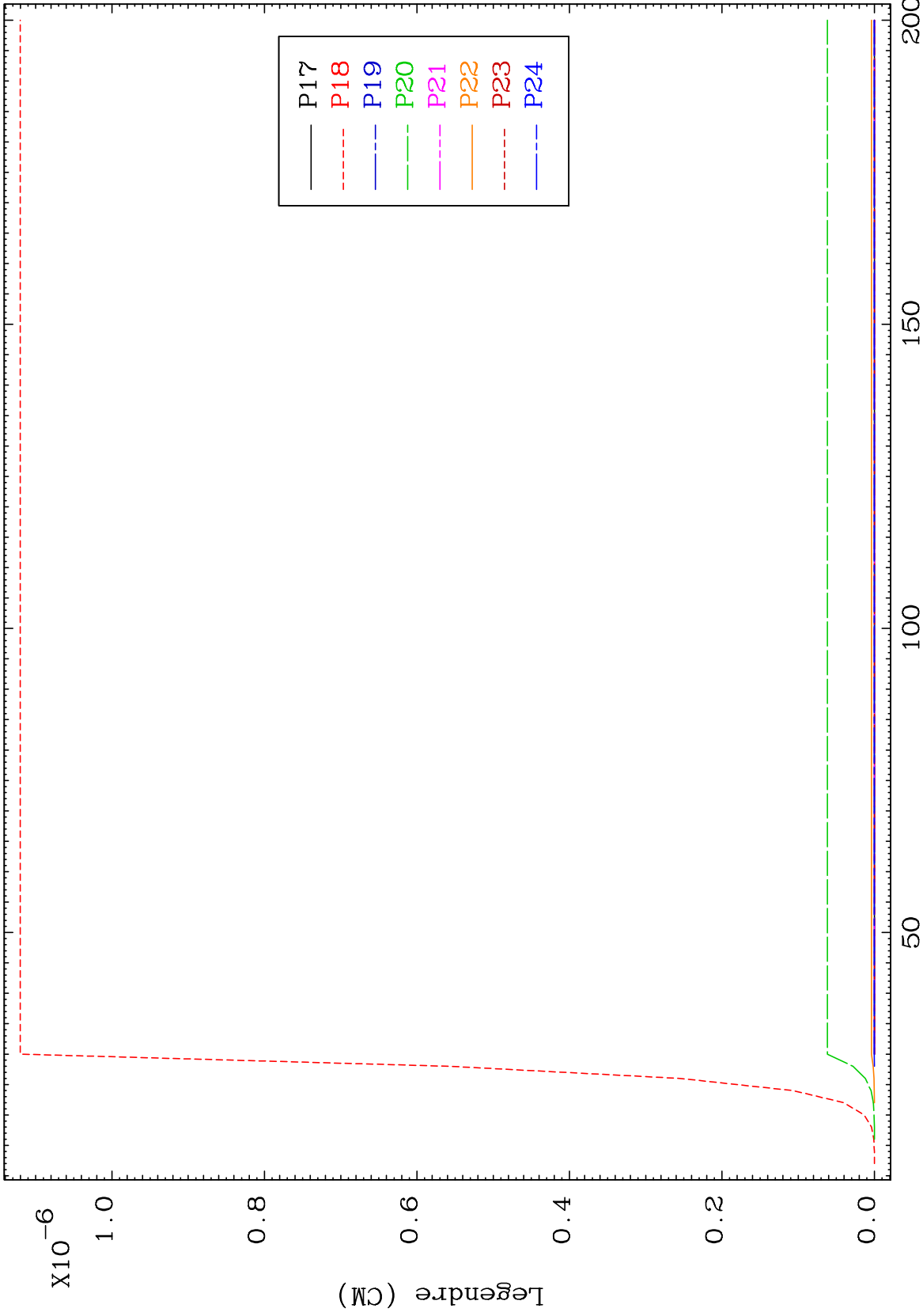
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



24

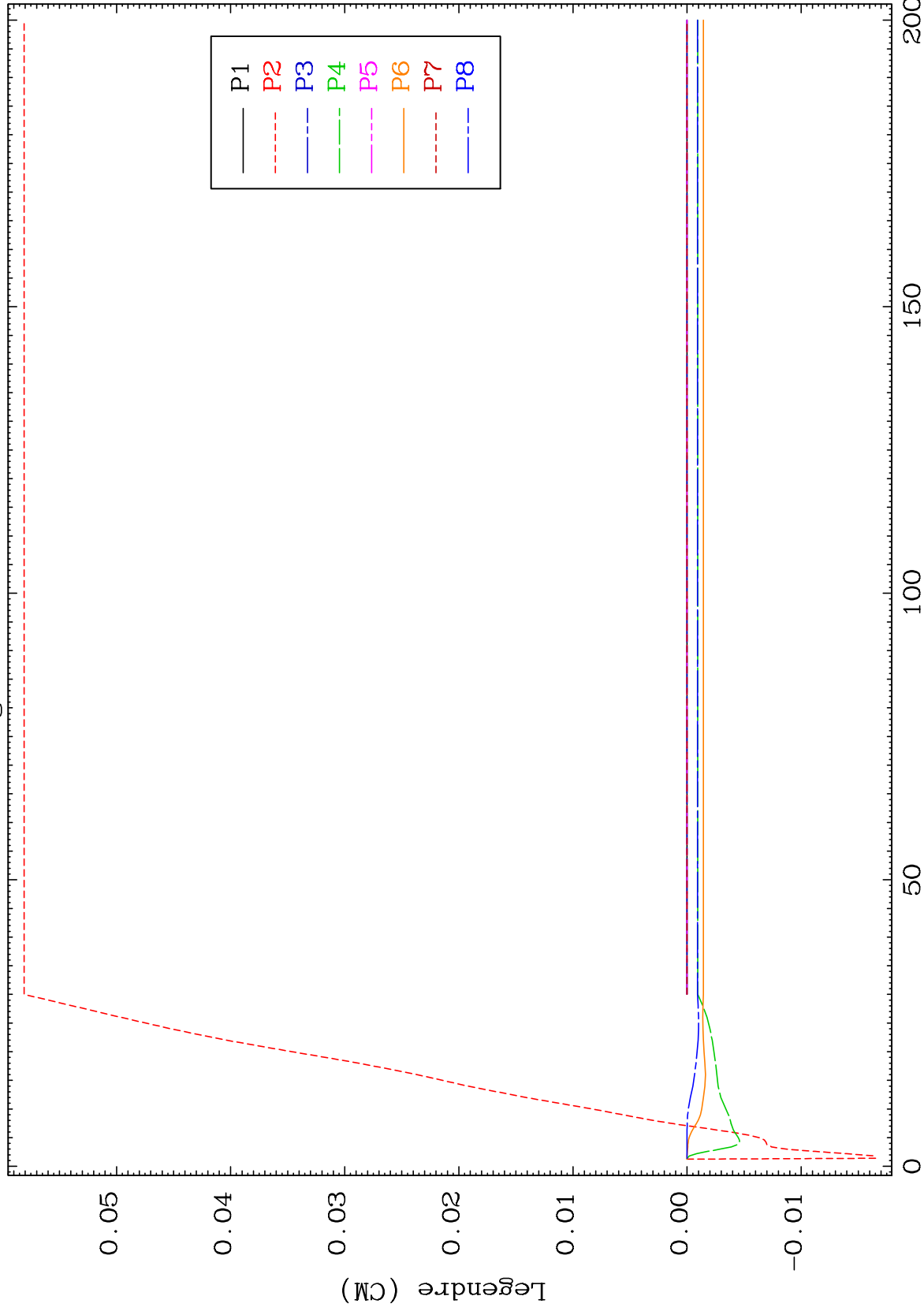
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



25

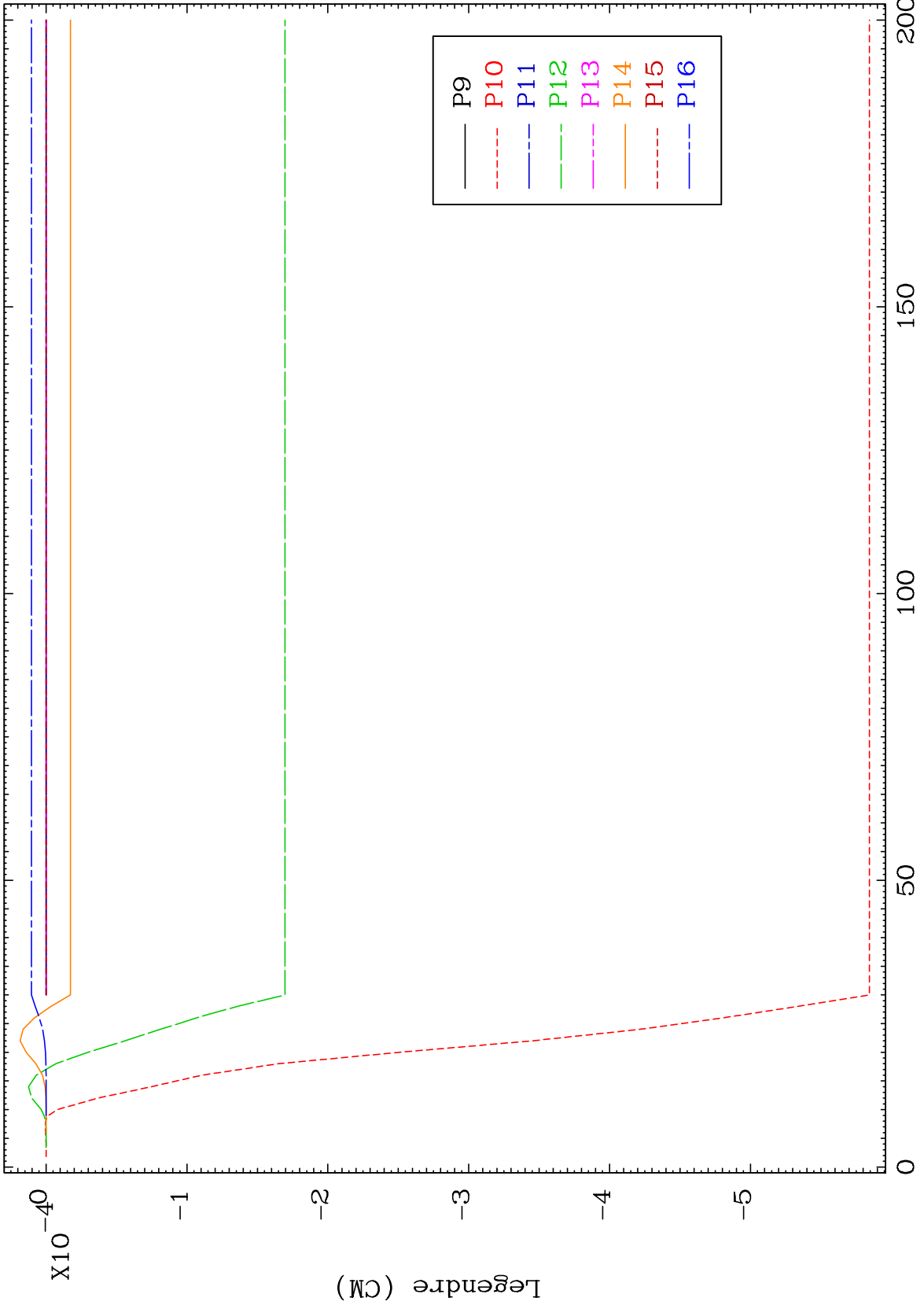
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



26

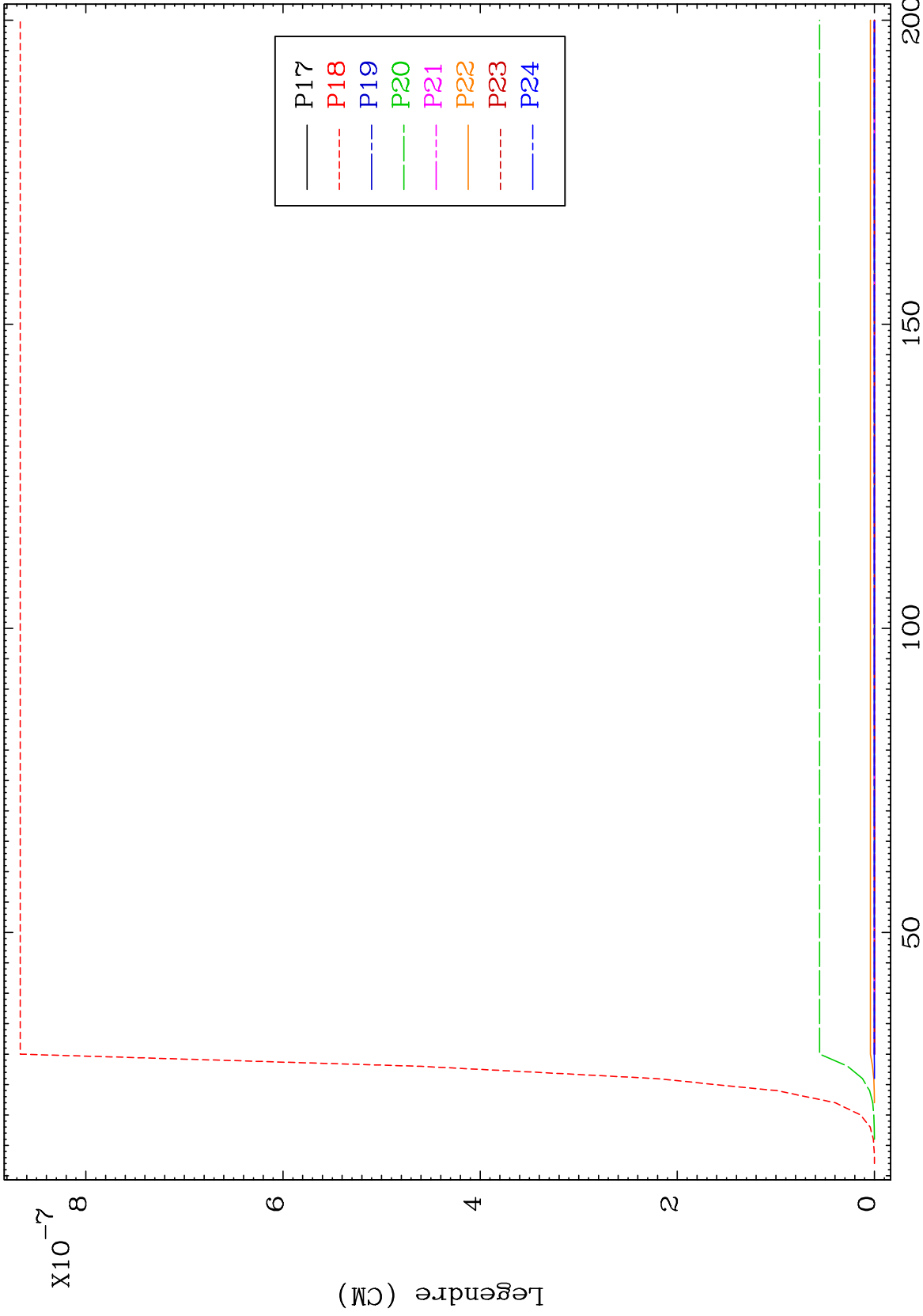
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



27

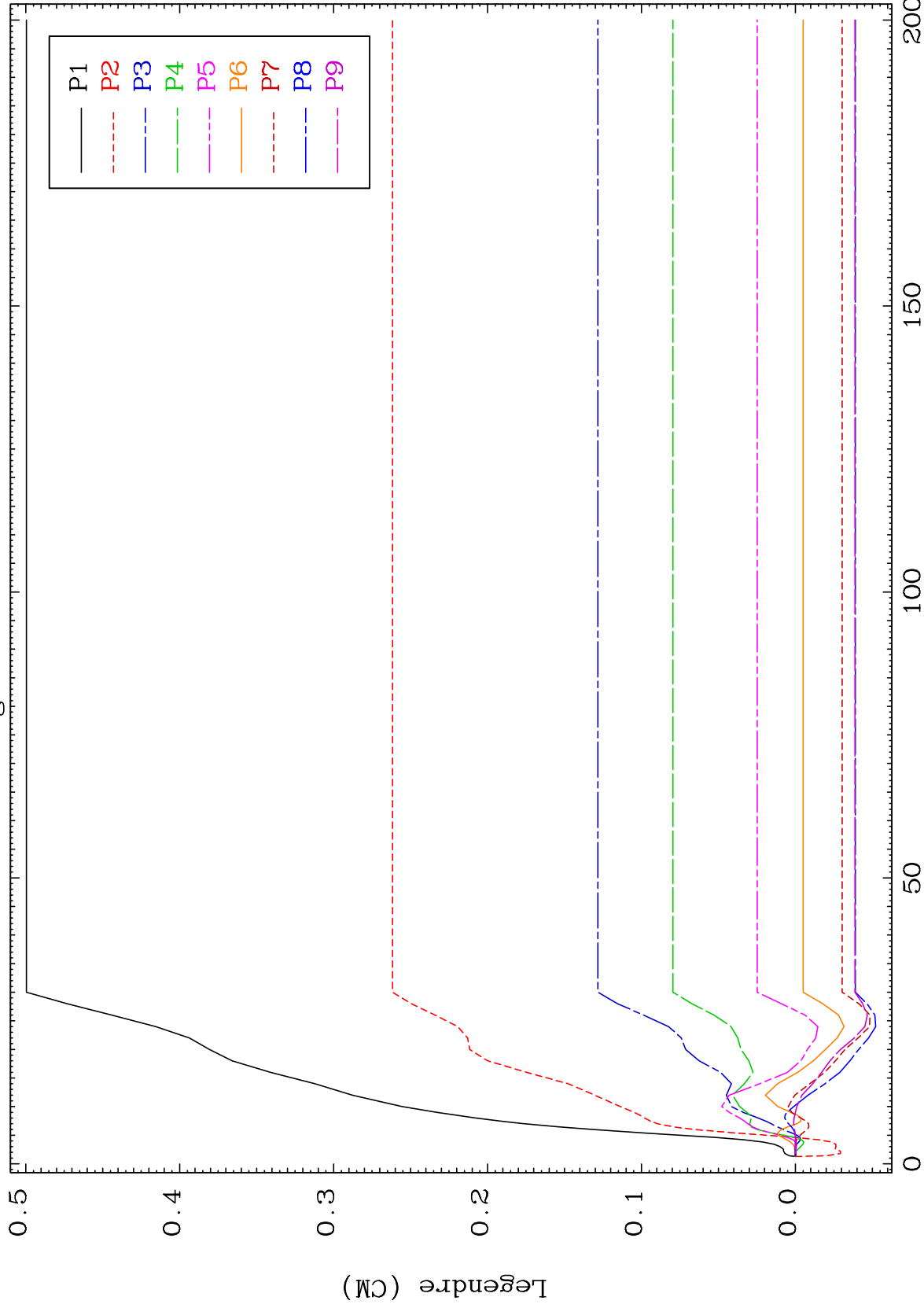
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



38

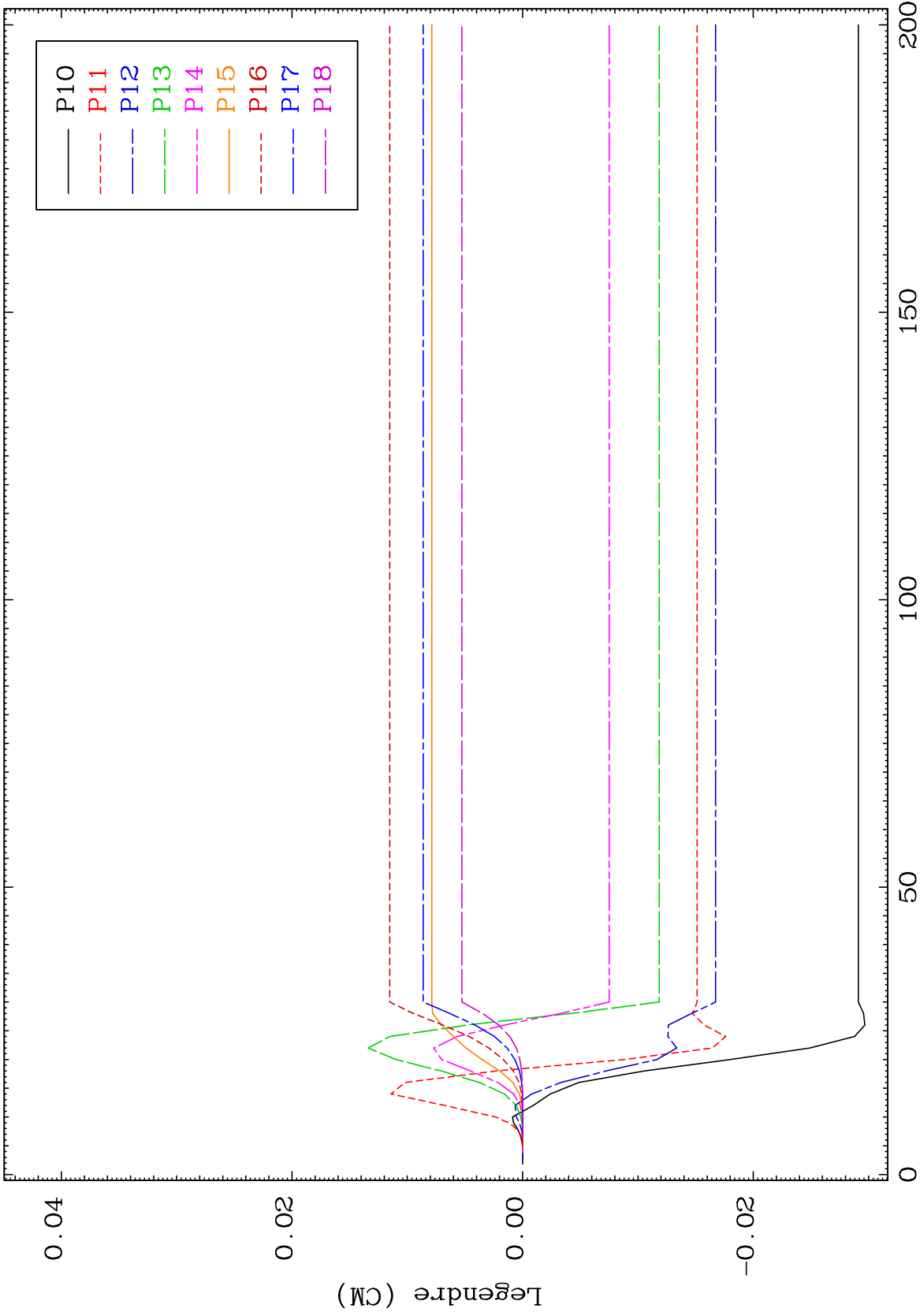
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



29

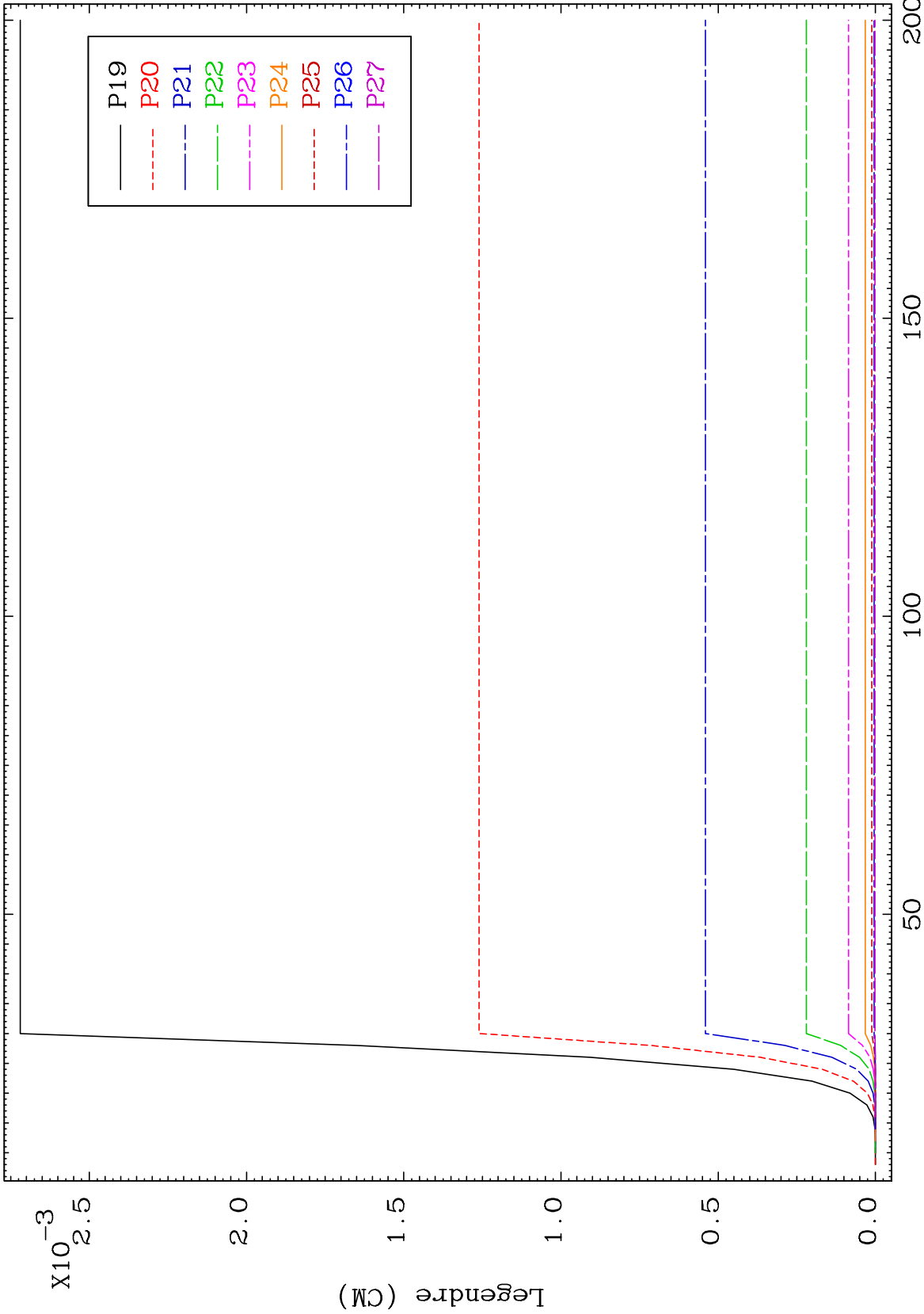
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



30

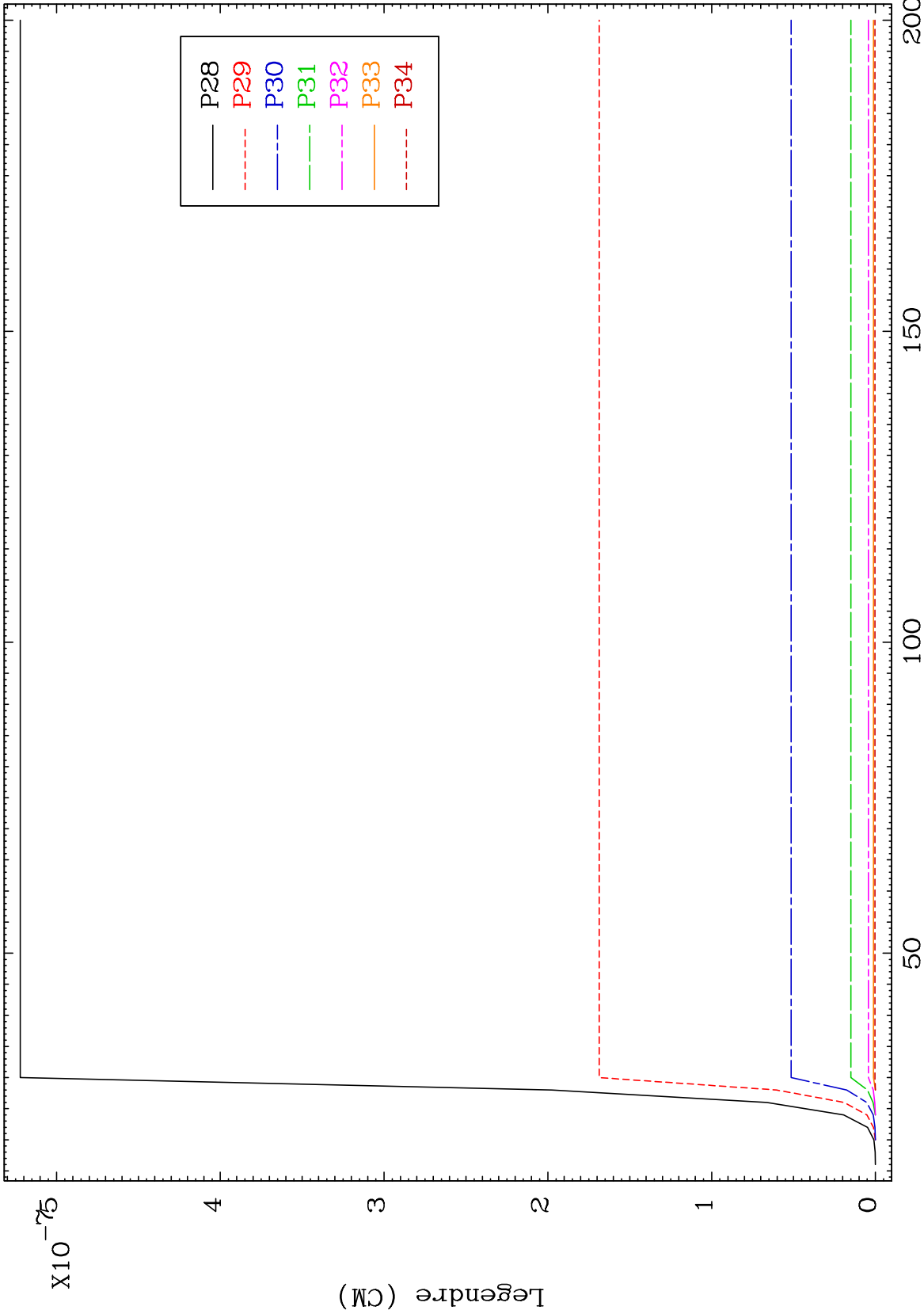
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



31

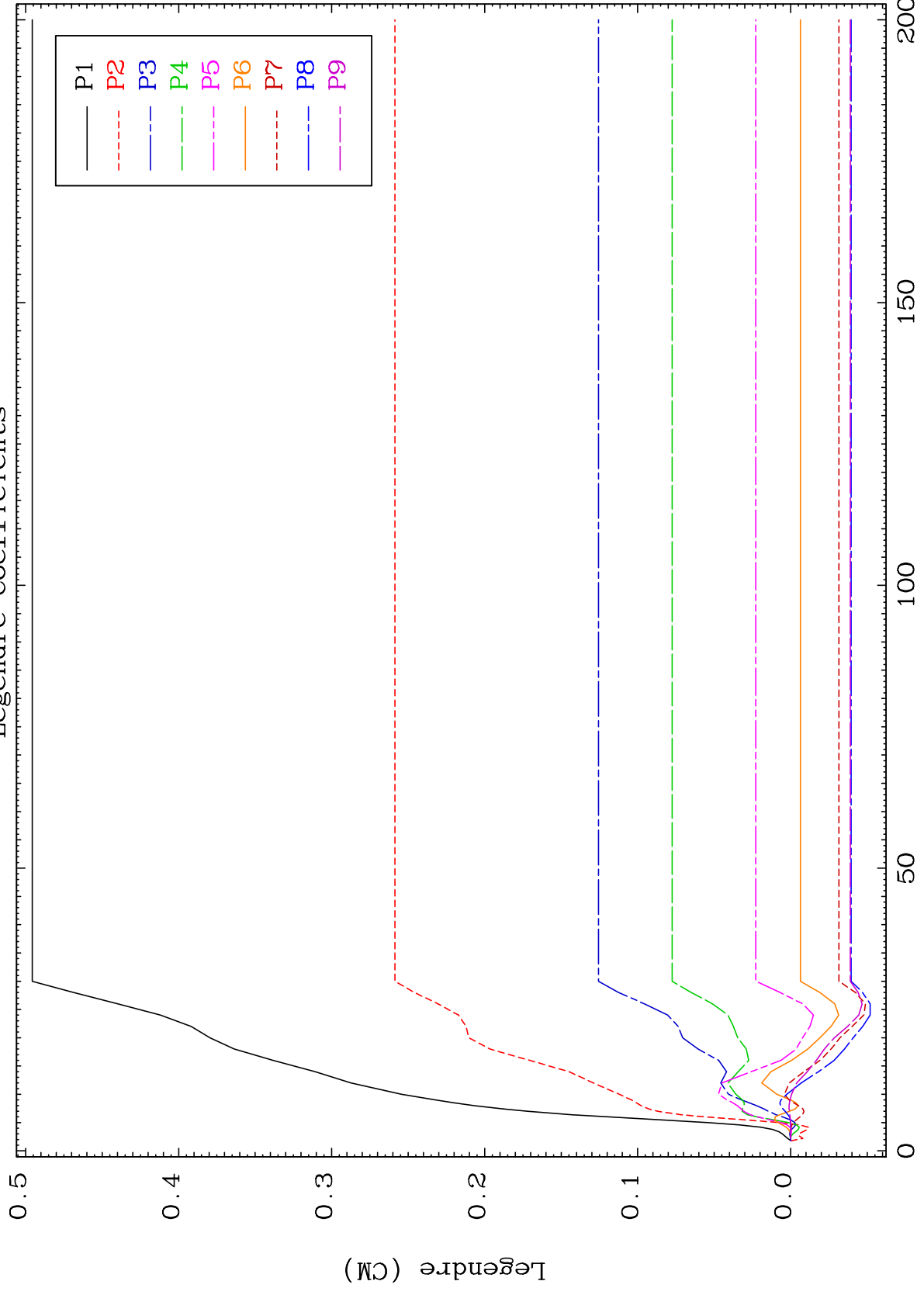
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



32

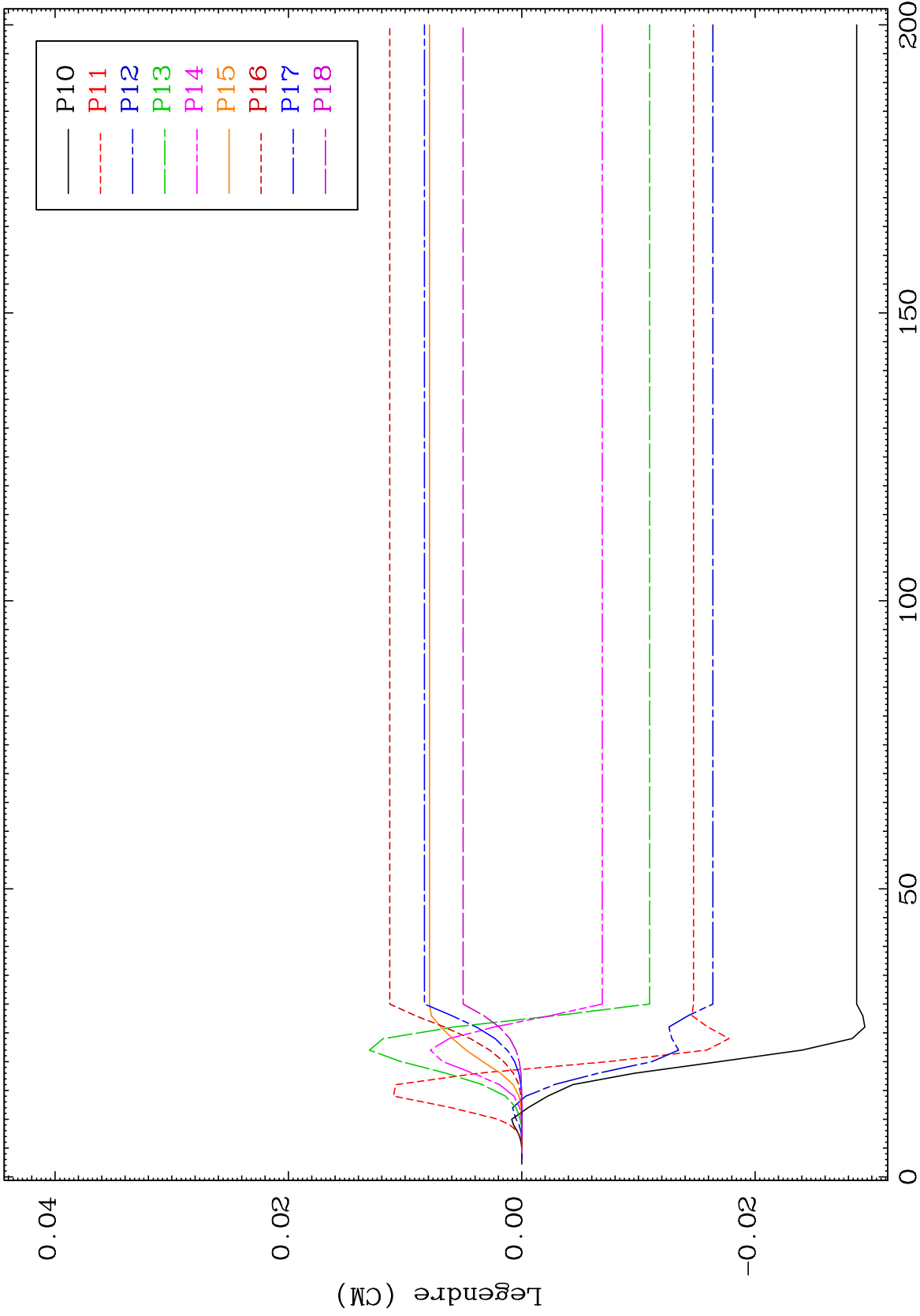
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



33

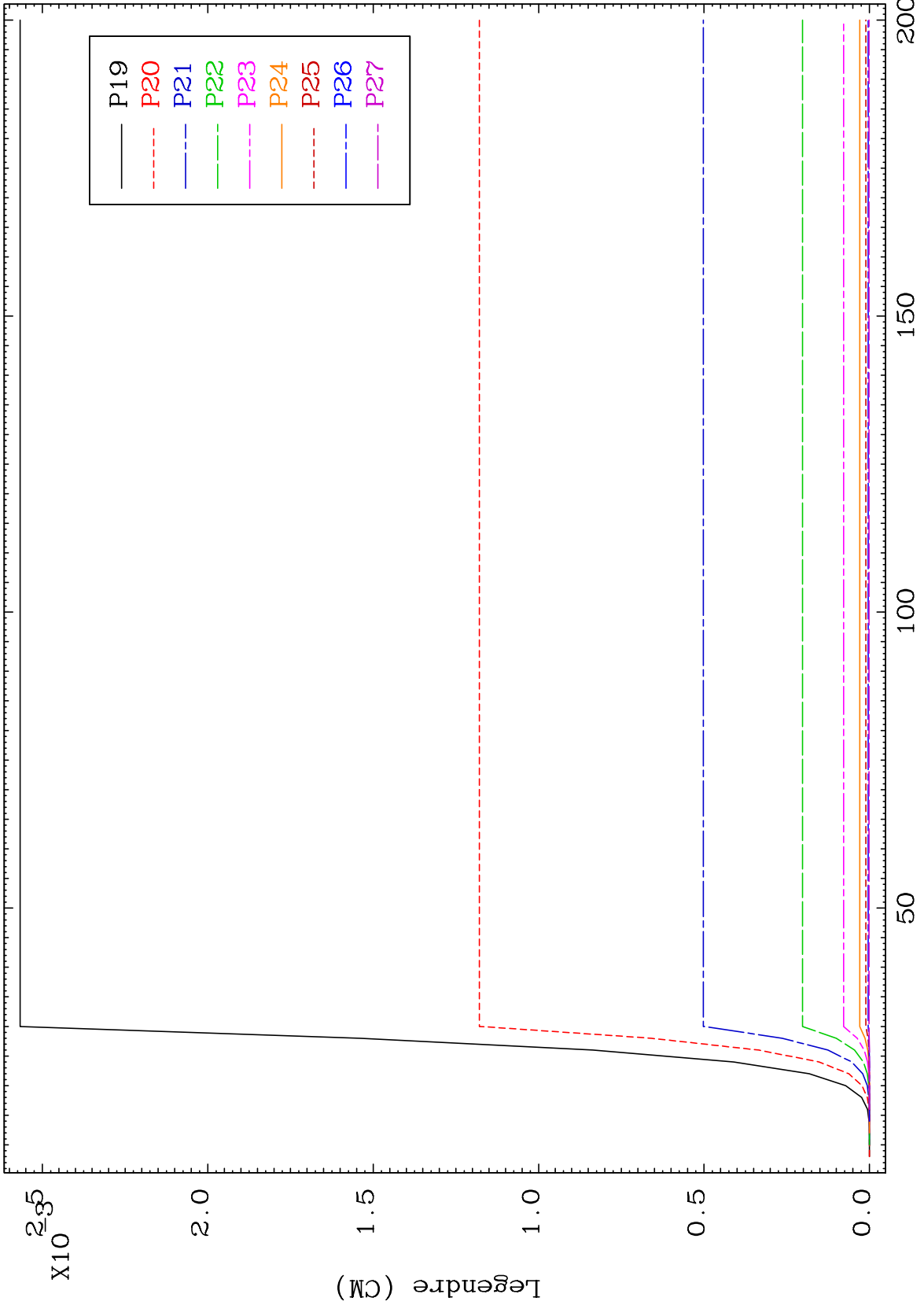
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



34

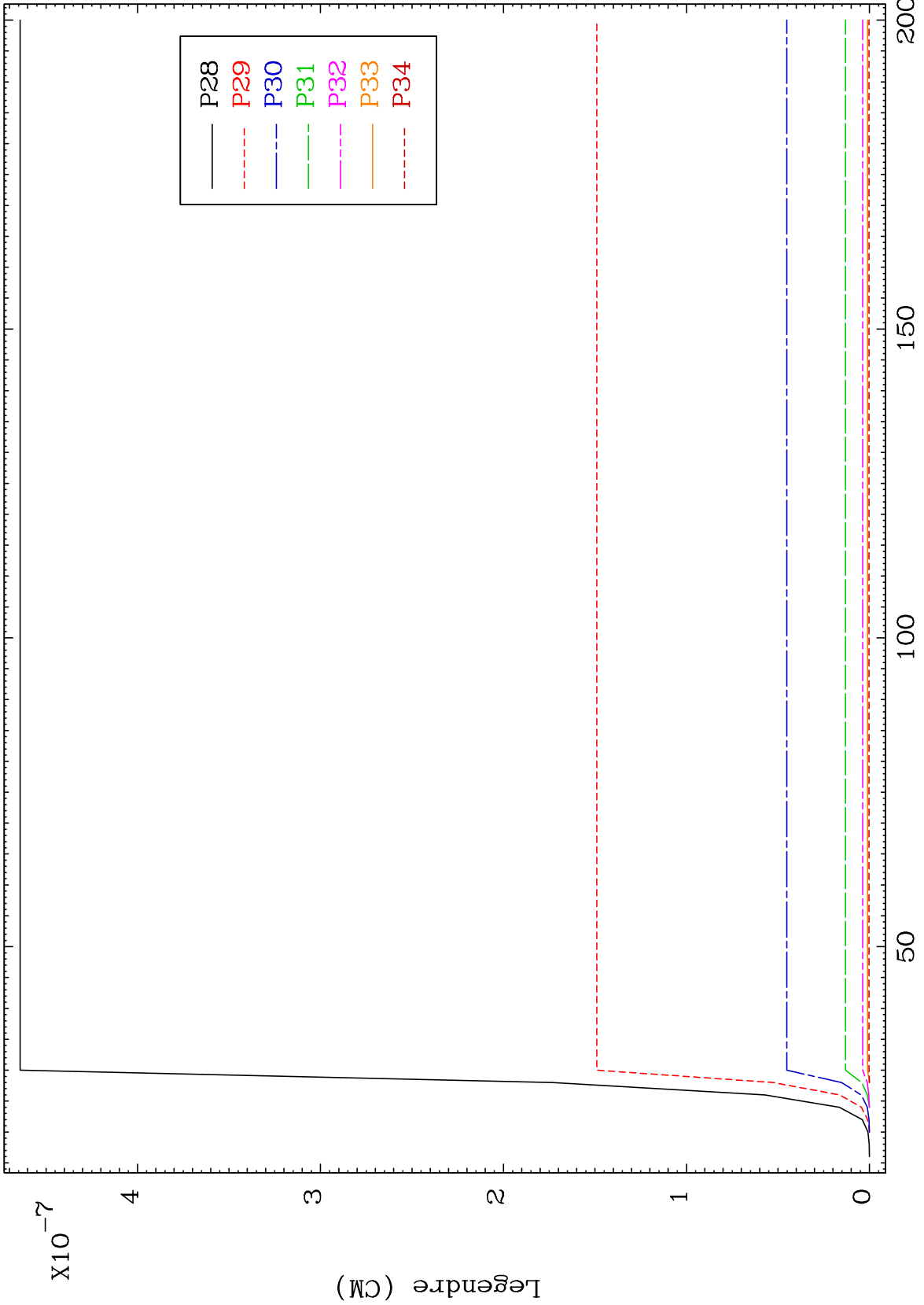
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87

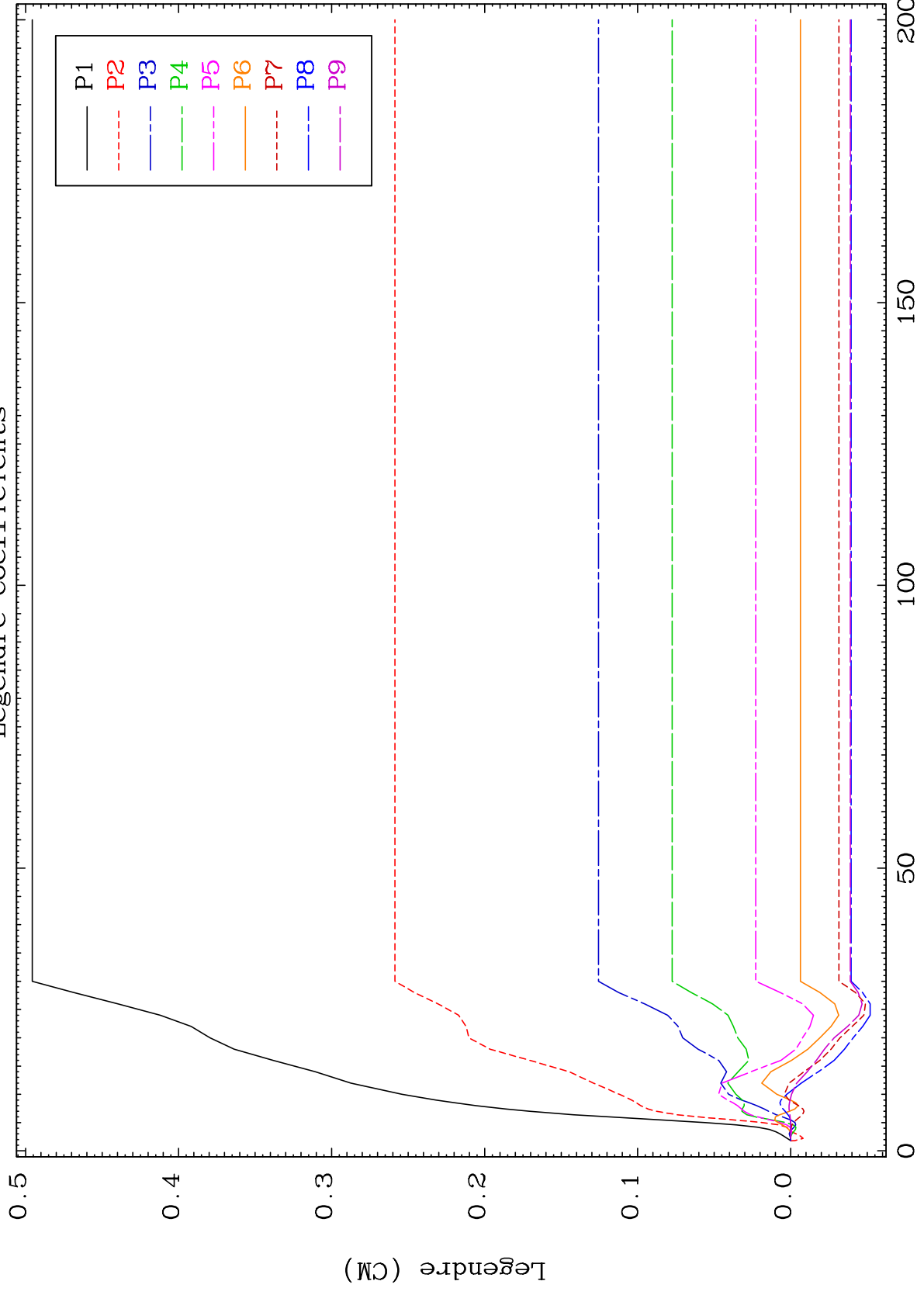


35

Incident Energy (MeV)

38-Sr-87

MAT 3834 MT= 56 (n,n') Level Legendre Coefficients 38-Sr-87

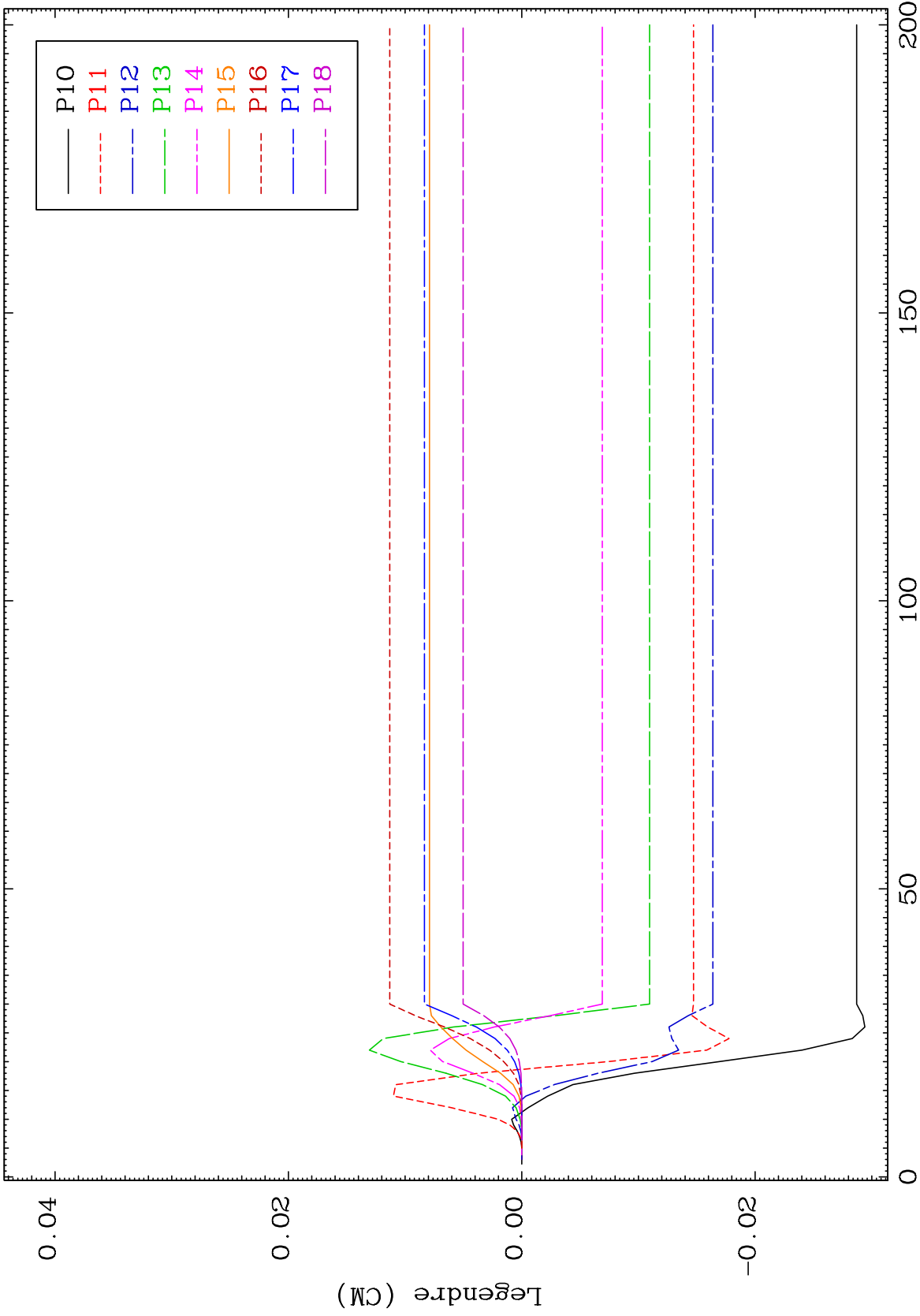


36 38-Sr-87

MAT 3834

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

38-Sr-87



37

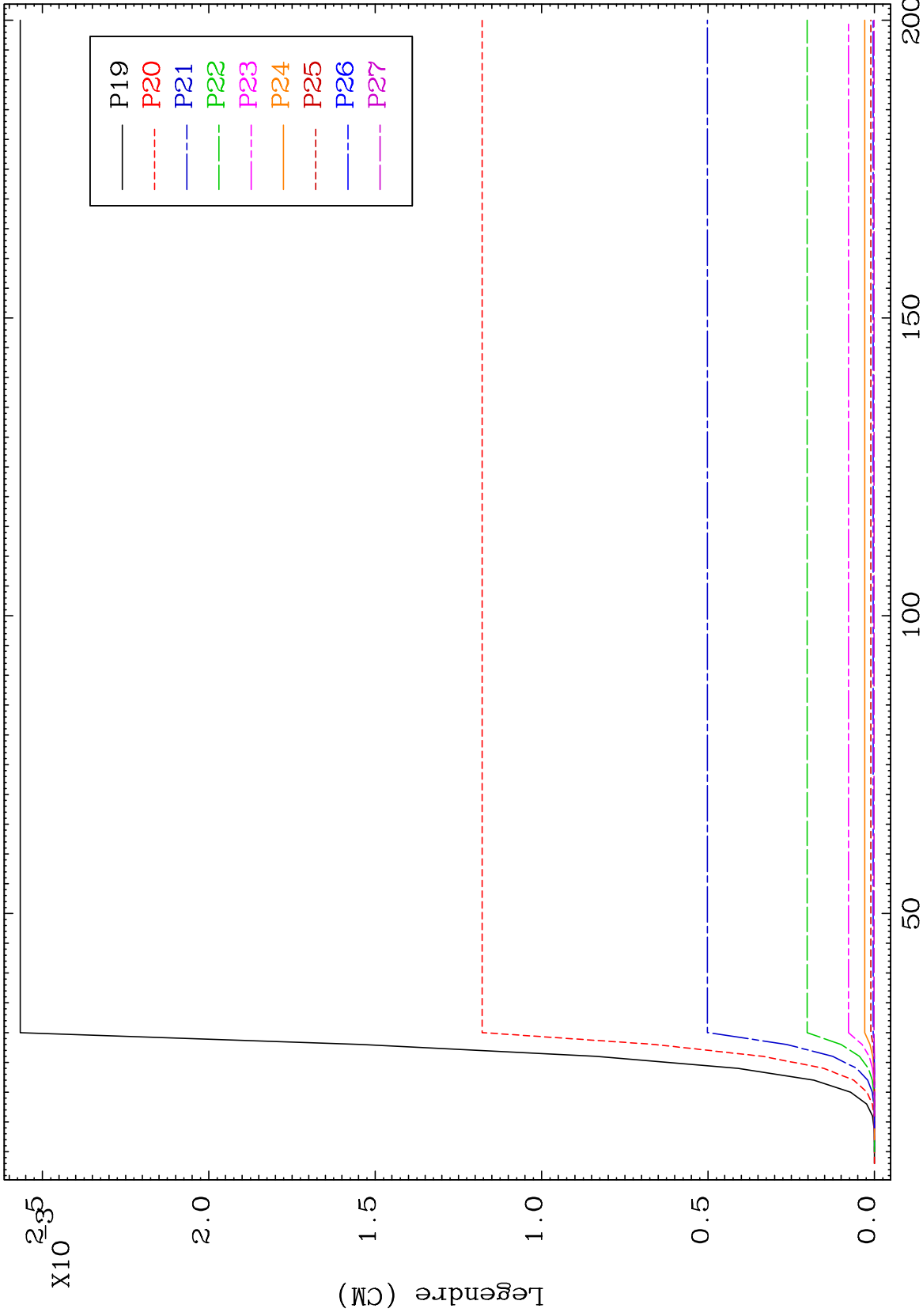
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



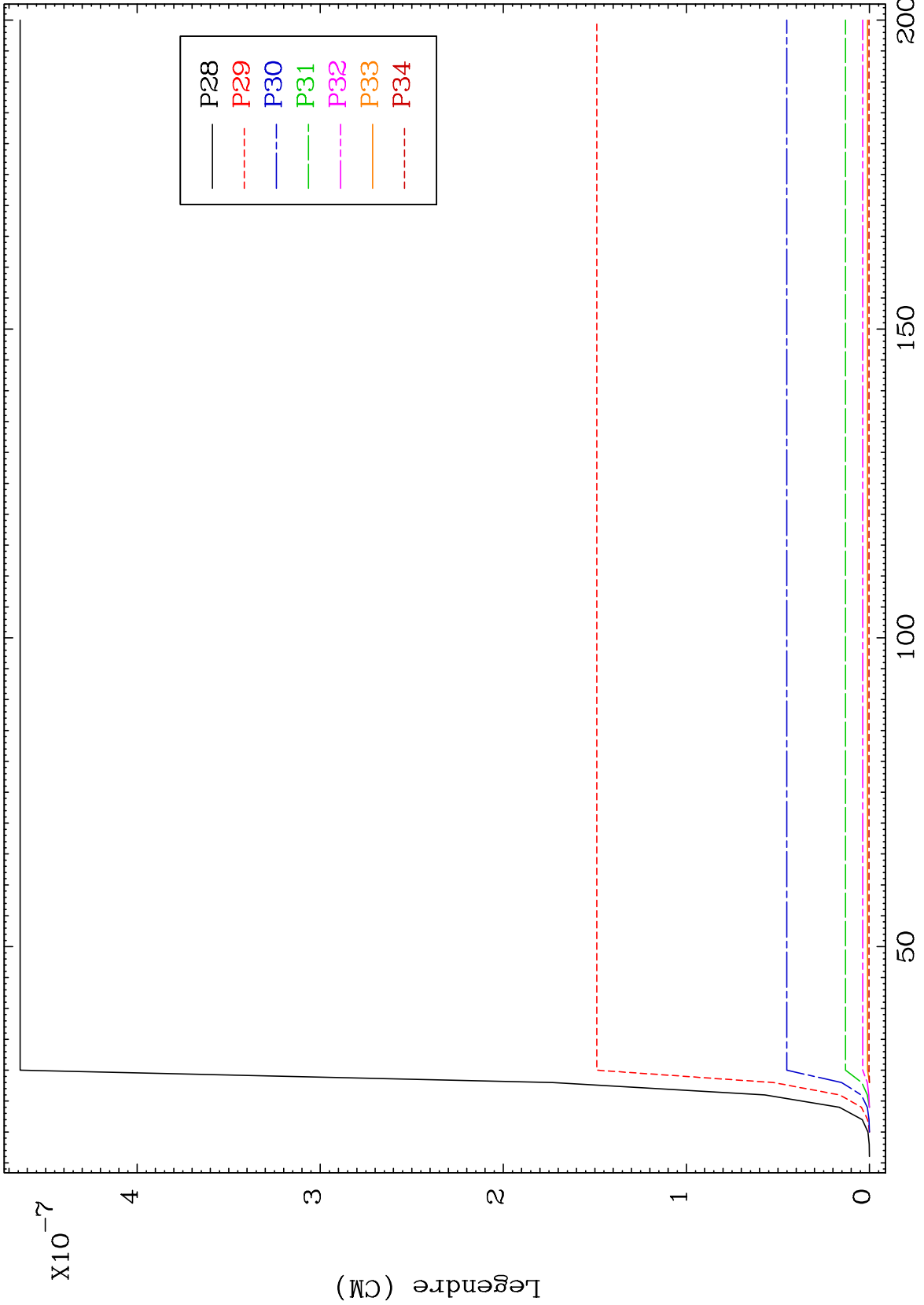
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38-Sr-87

MAT 3834

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

38-Sr-87



39

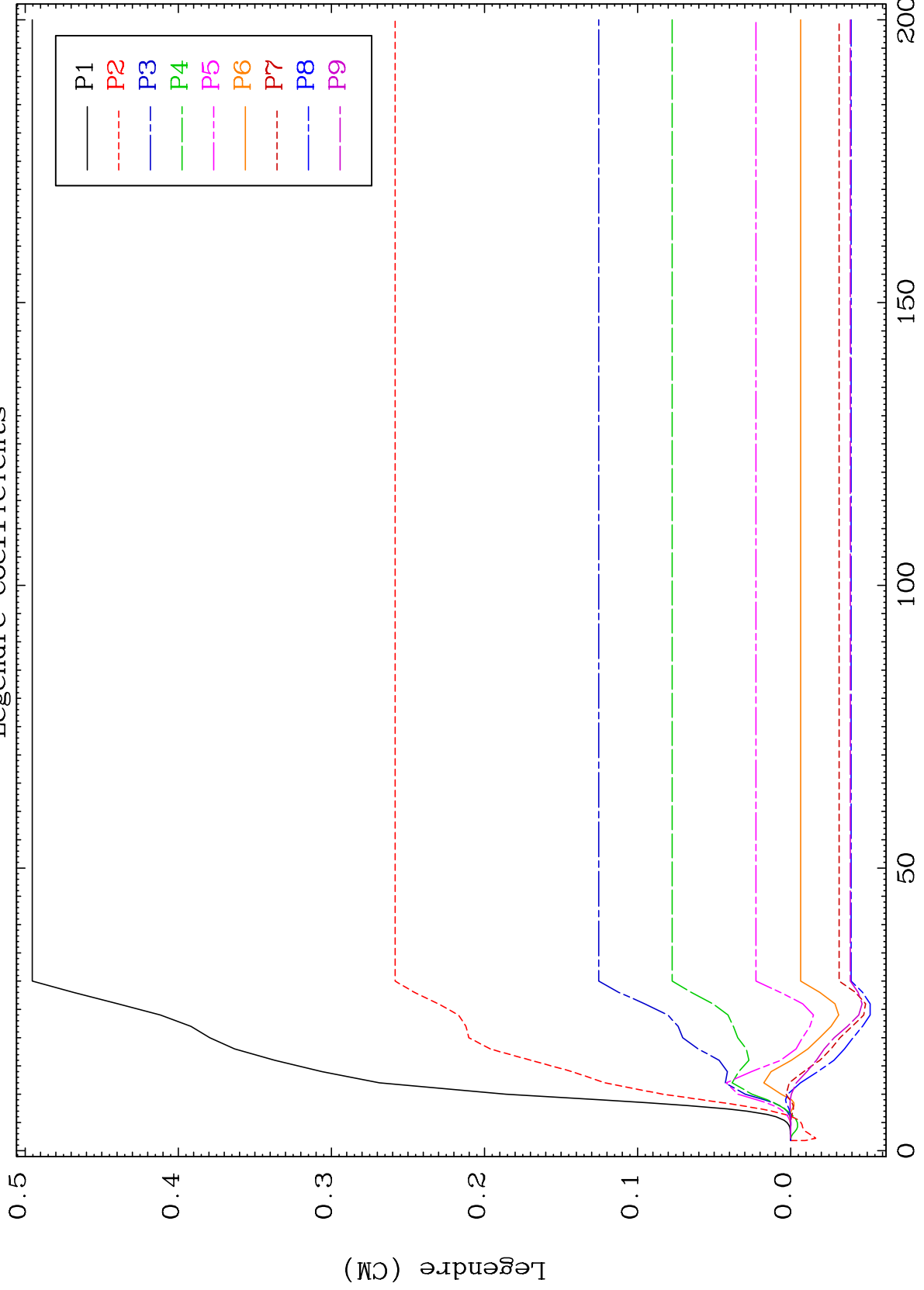
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



38-Sr-87

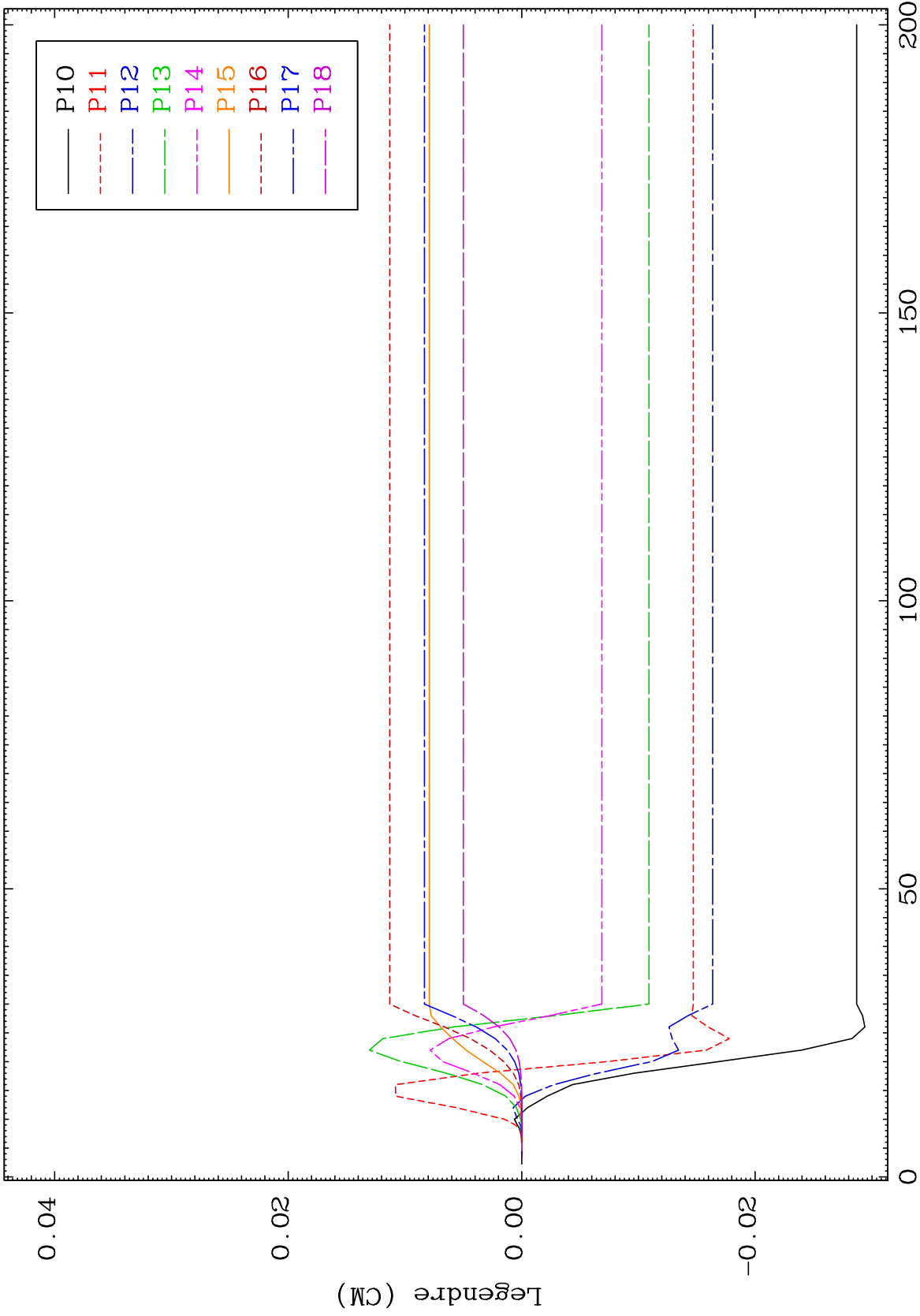
Incident Energy (MeV)

Legendre (CM)

MAT 3834

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

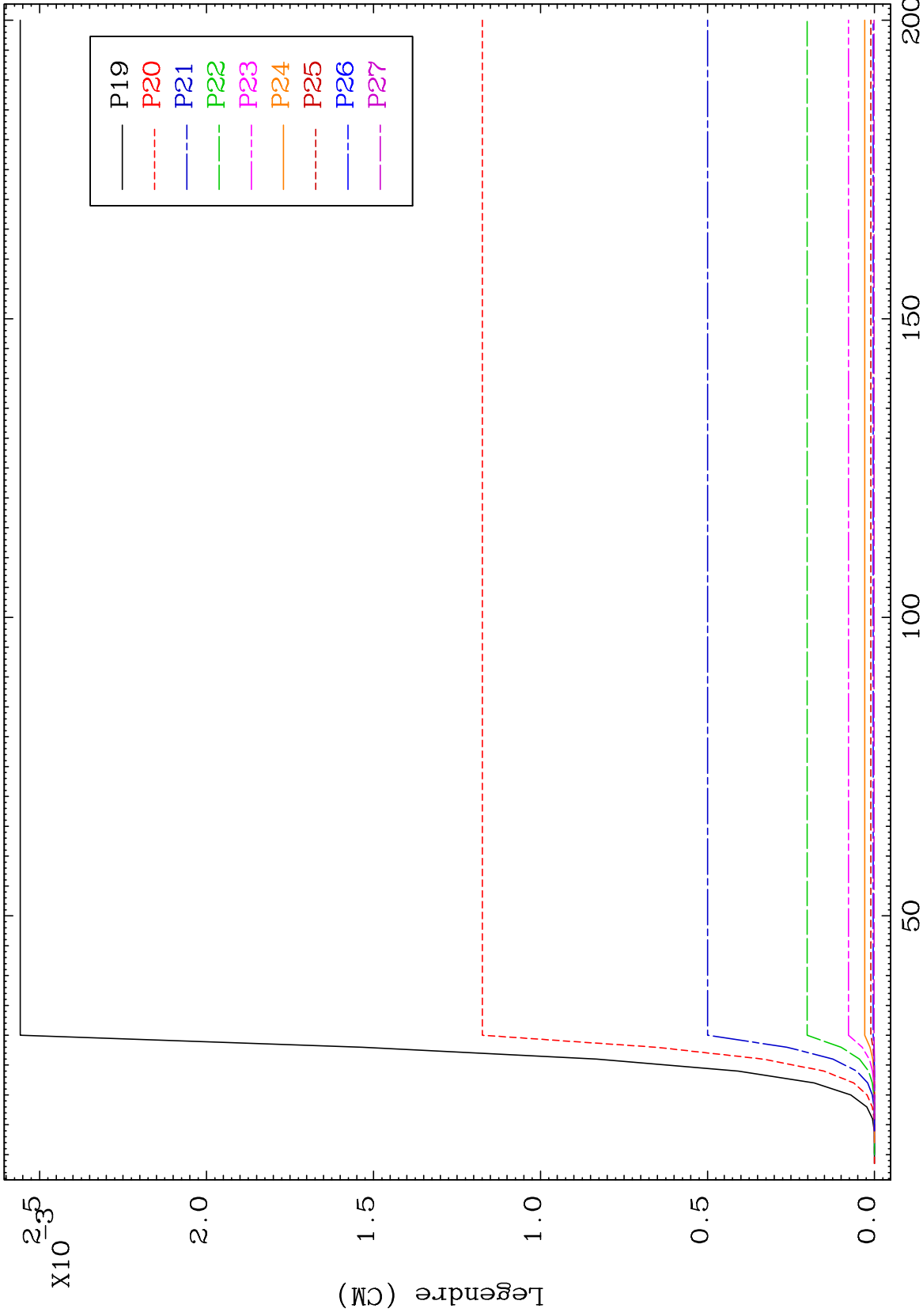
38-Sr-87



41

Incident Energy (MeV)

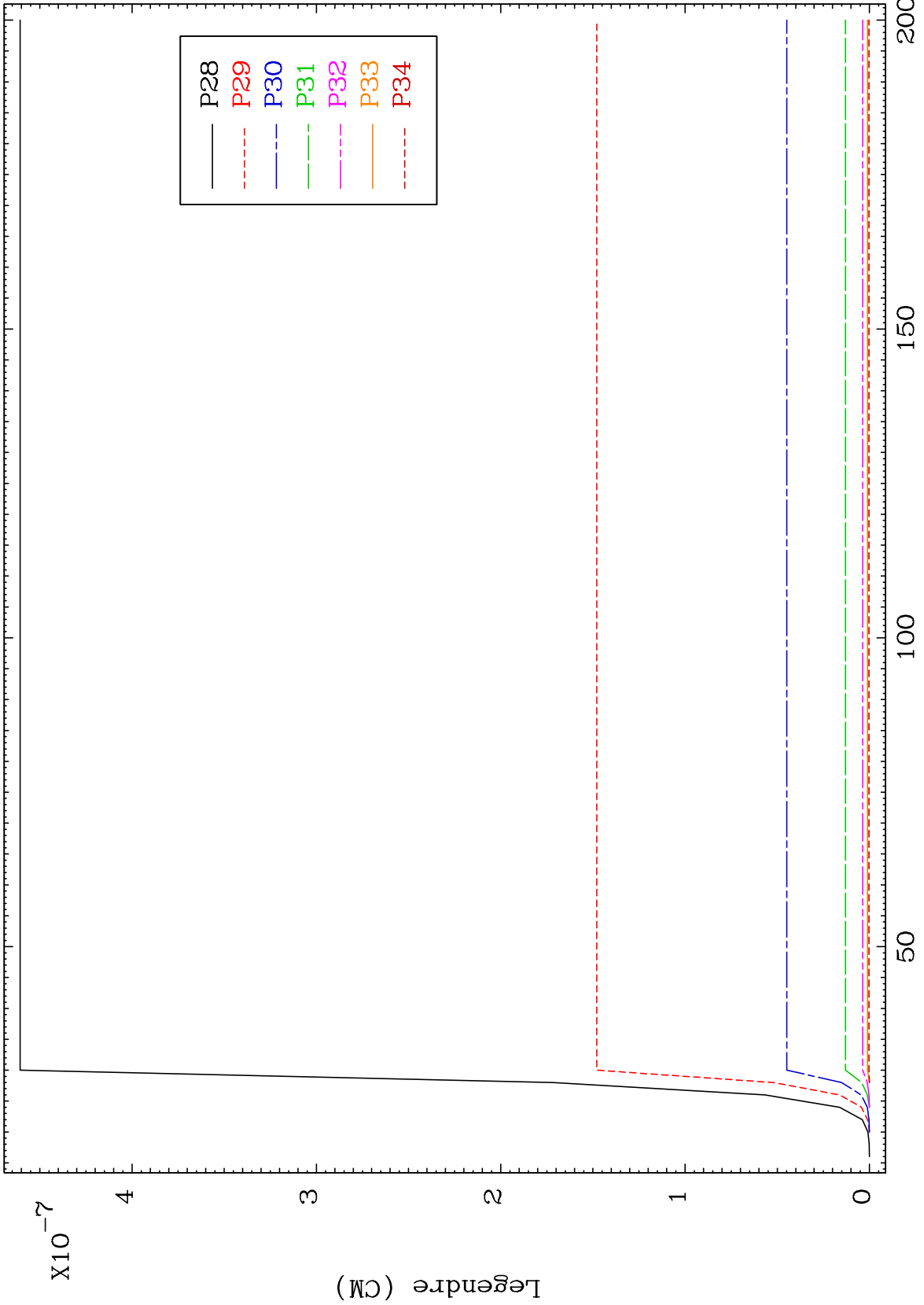
38-Sr-87



MAT 3834

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

38-Sr-87

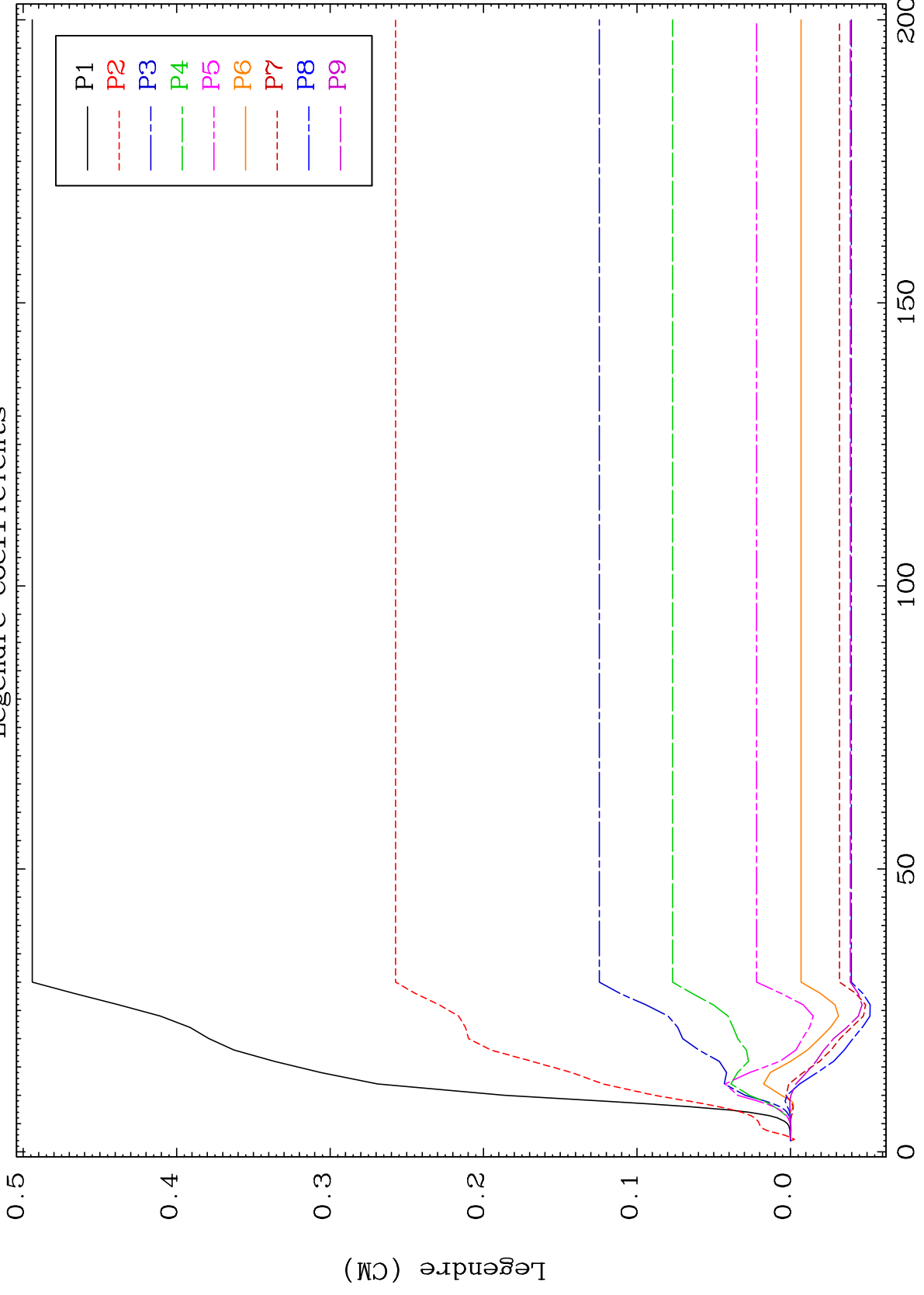


43

Incident Energy (MeV)

38-Sr-87

MAT 3834 MT= 58 (n,n') Level Legendre Coefficients 38-Sr-87

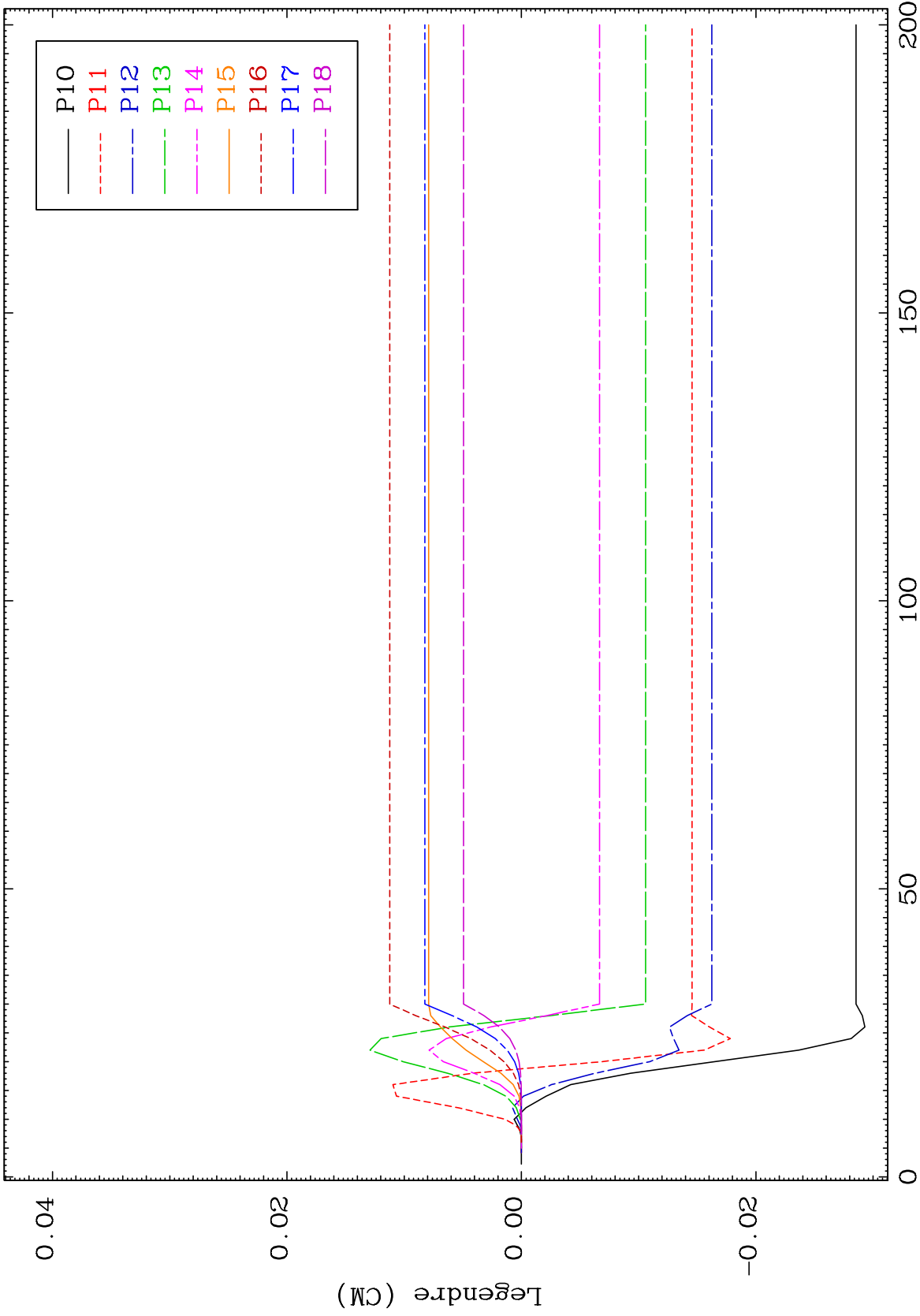


44 38-Sr-87

MAT 3834

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

38-Sr-87



45

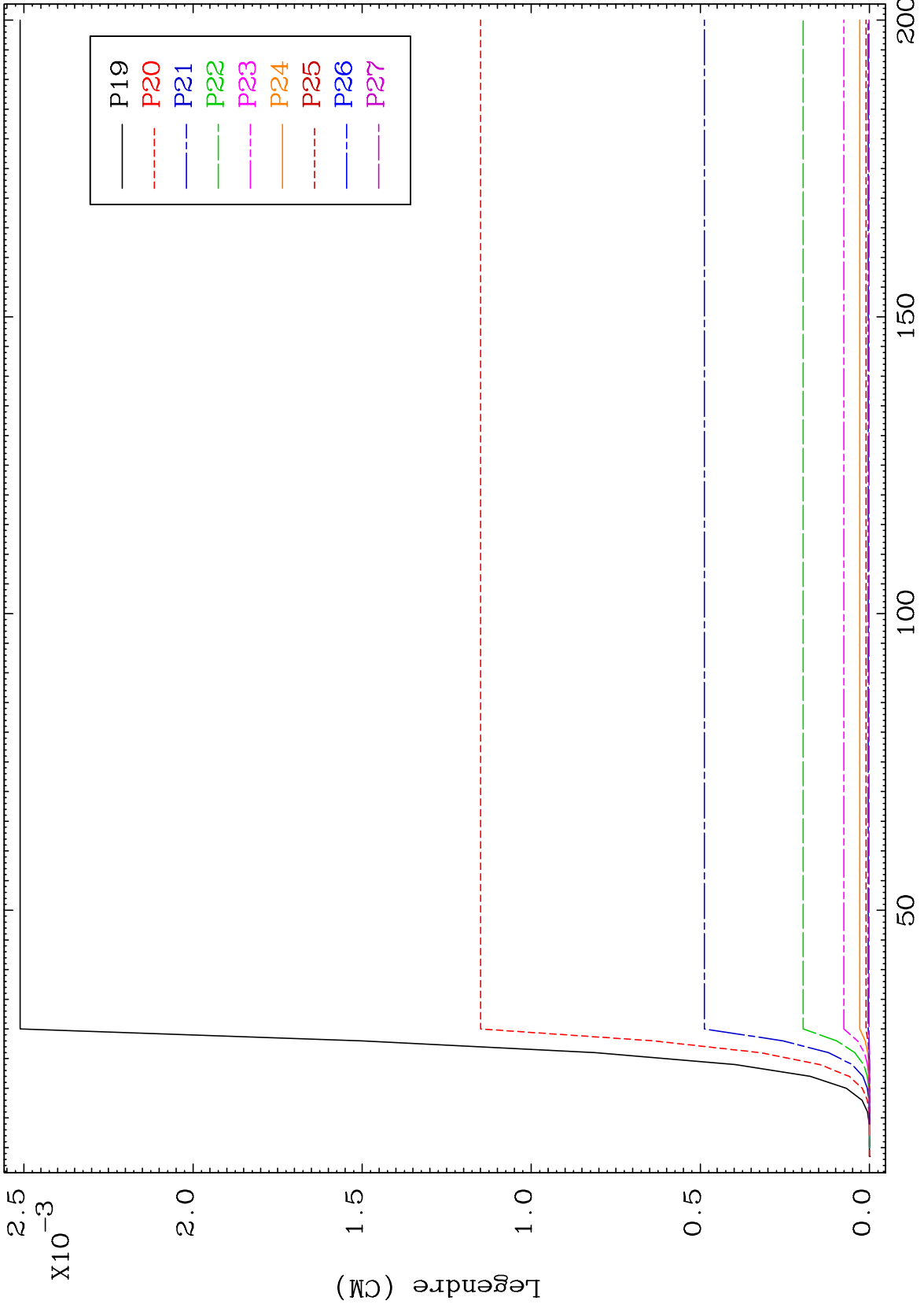
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



46

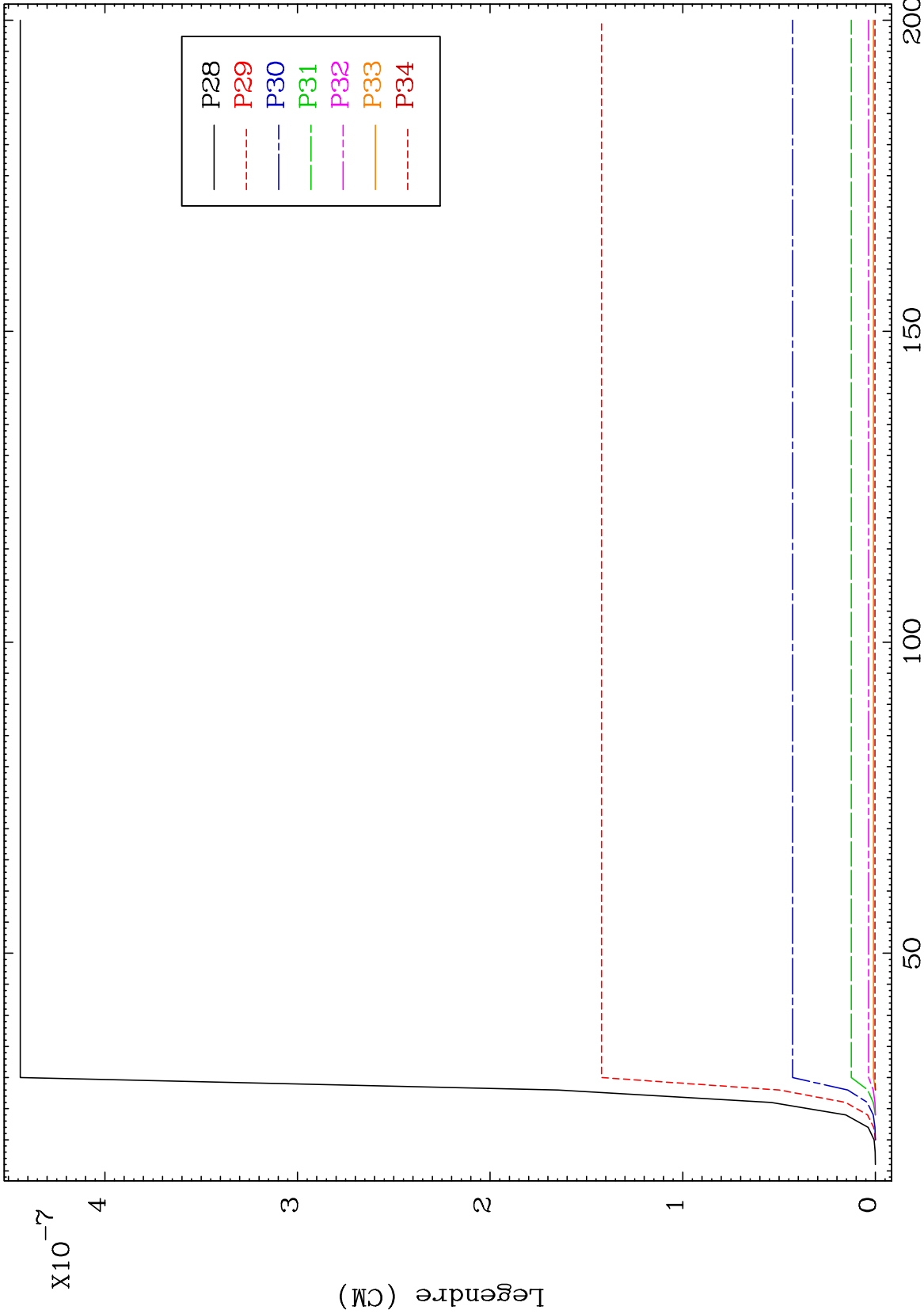
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



47

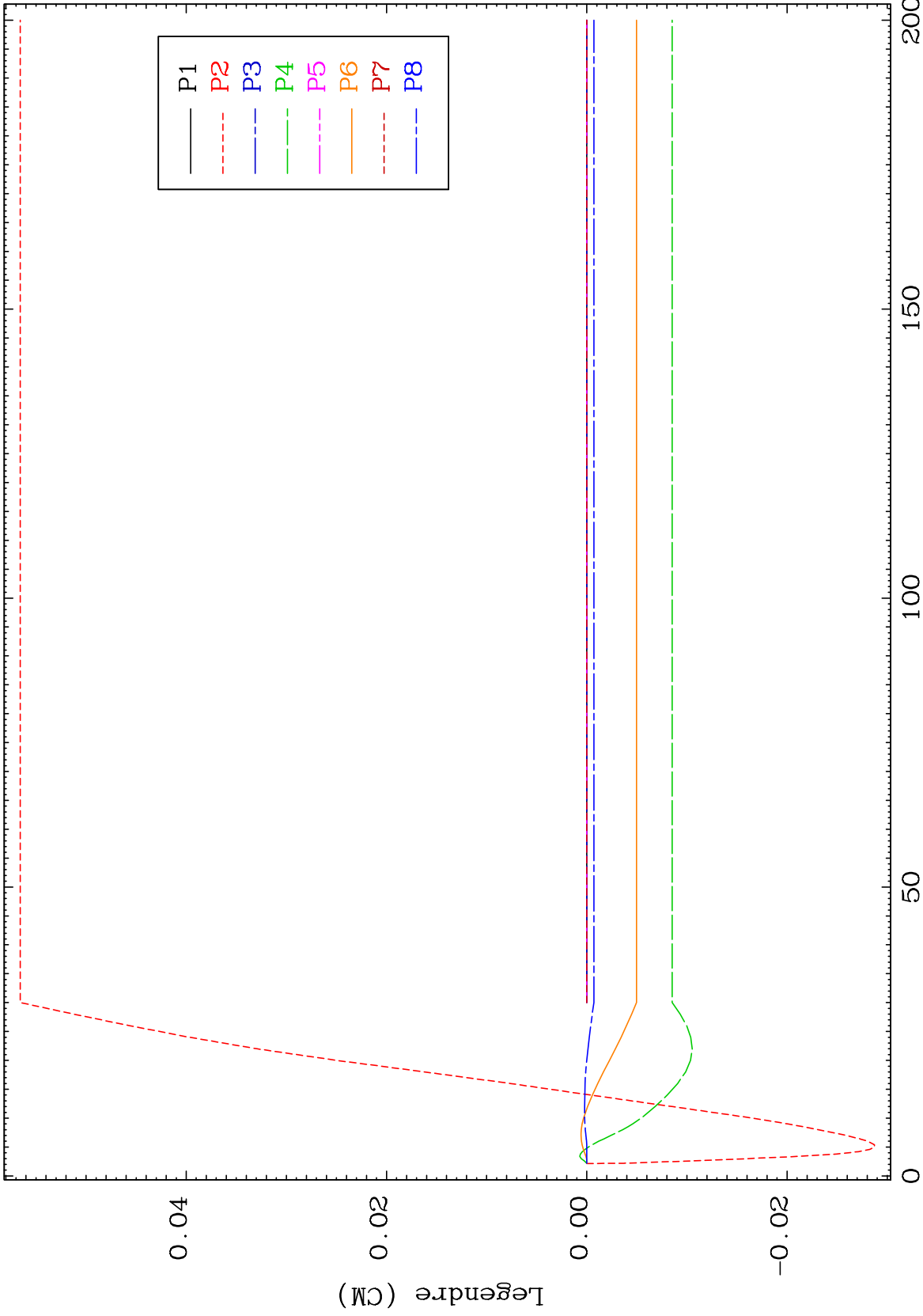
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



48

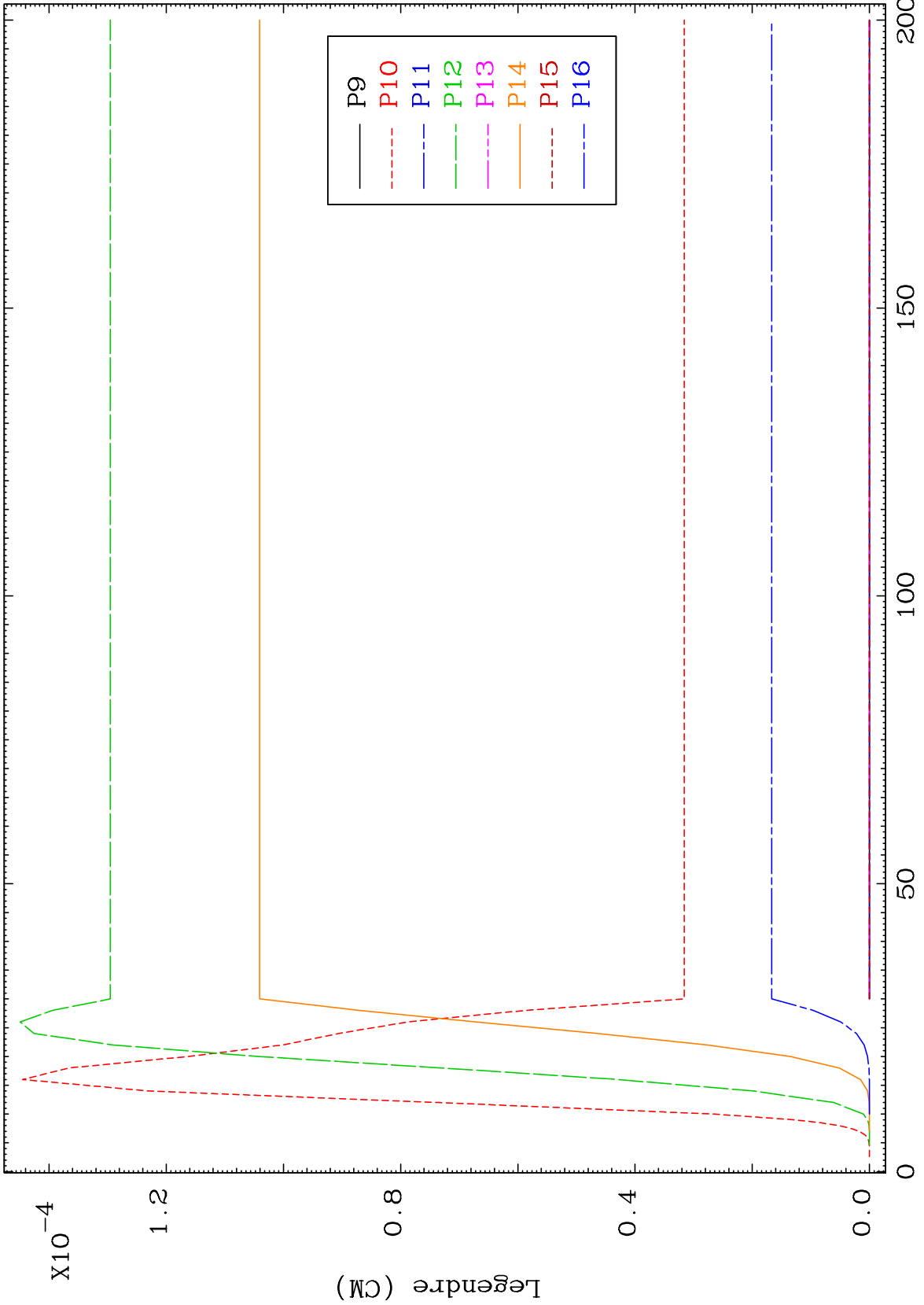
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



49

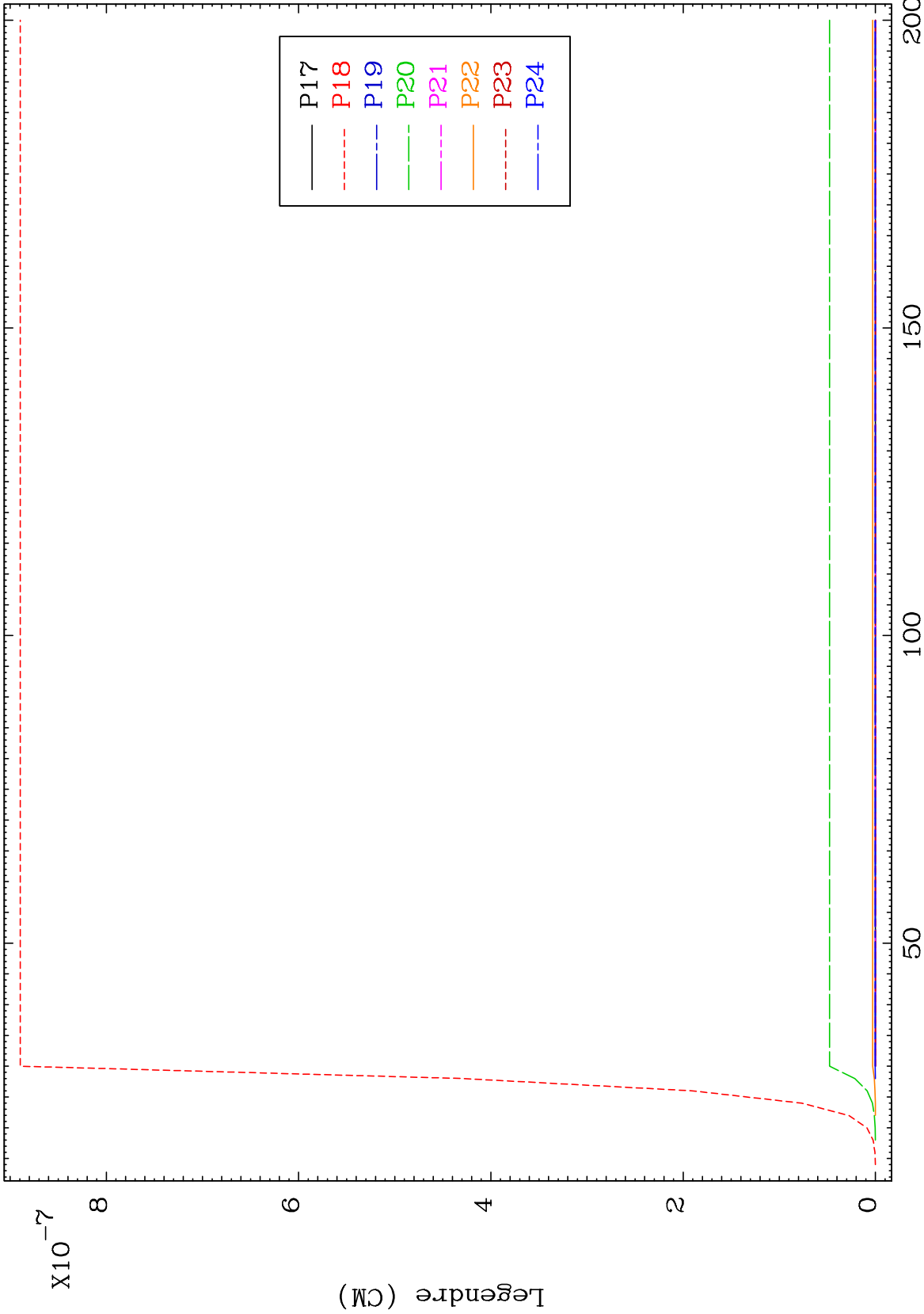
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



50

50

100

150

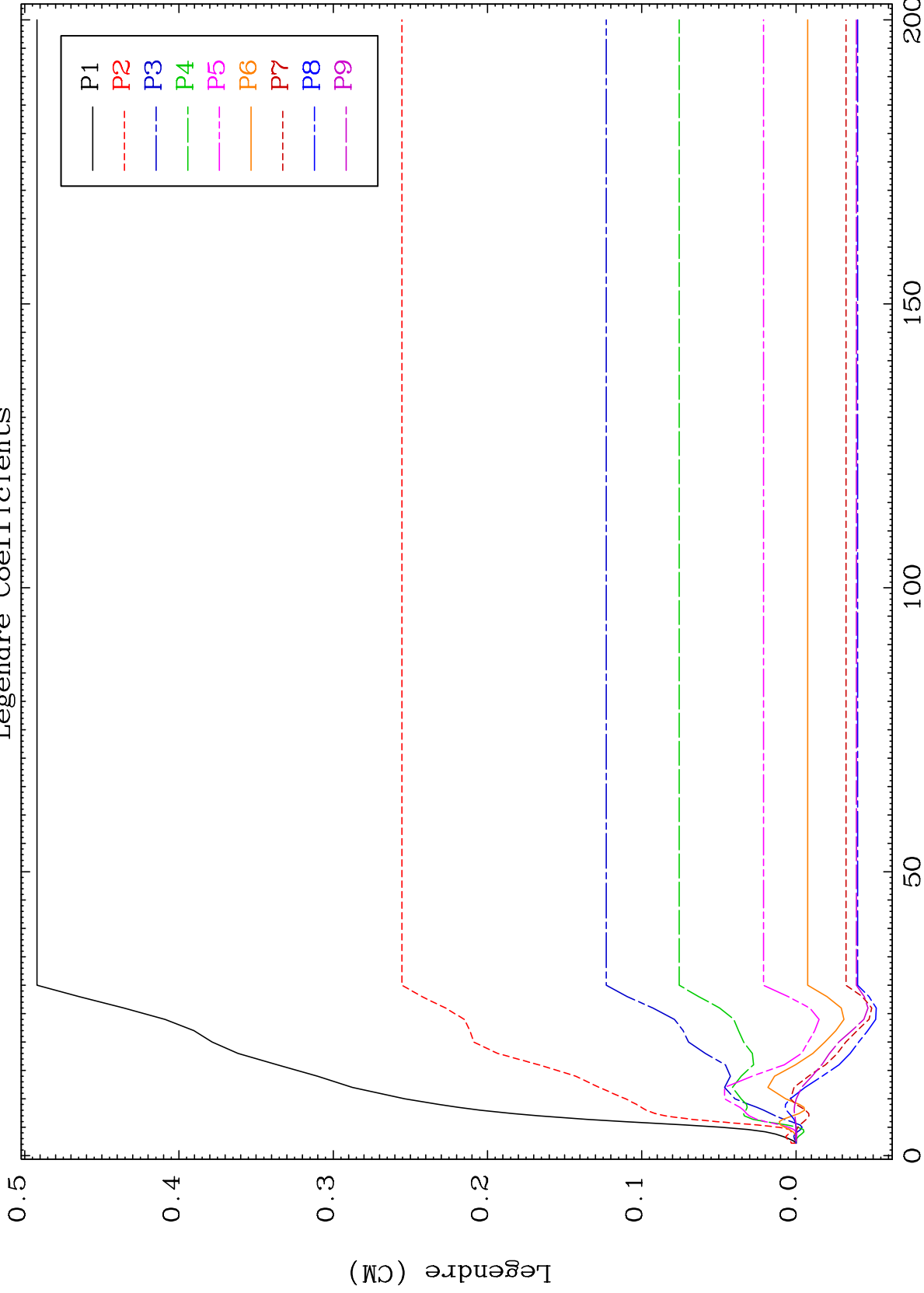
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38-Sr-87

MAT 3834

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

38-Sr-87



51

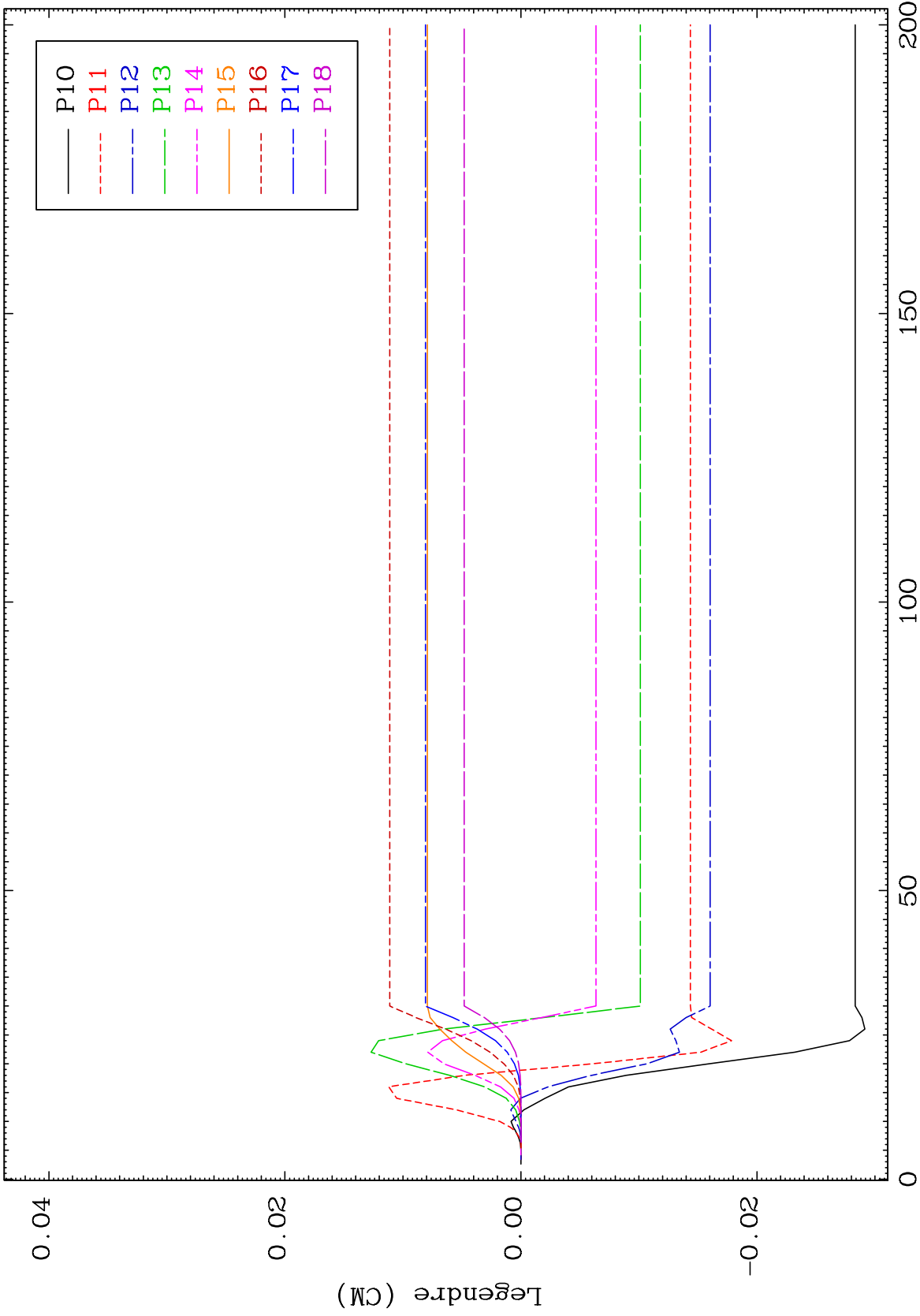
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



52

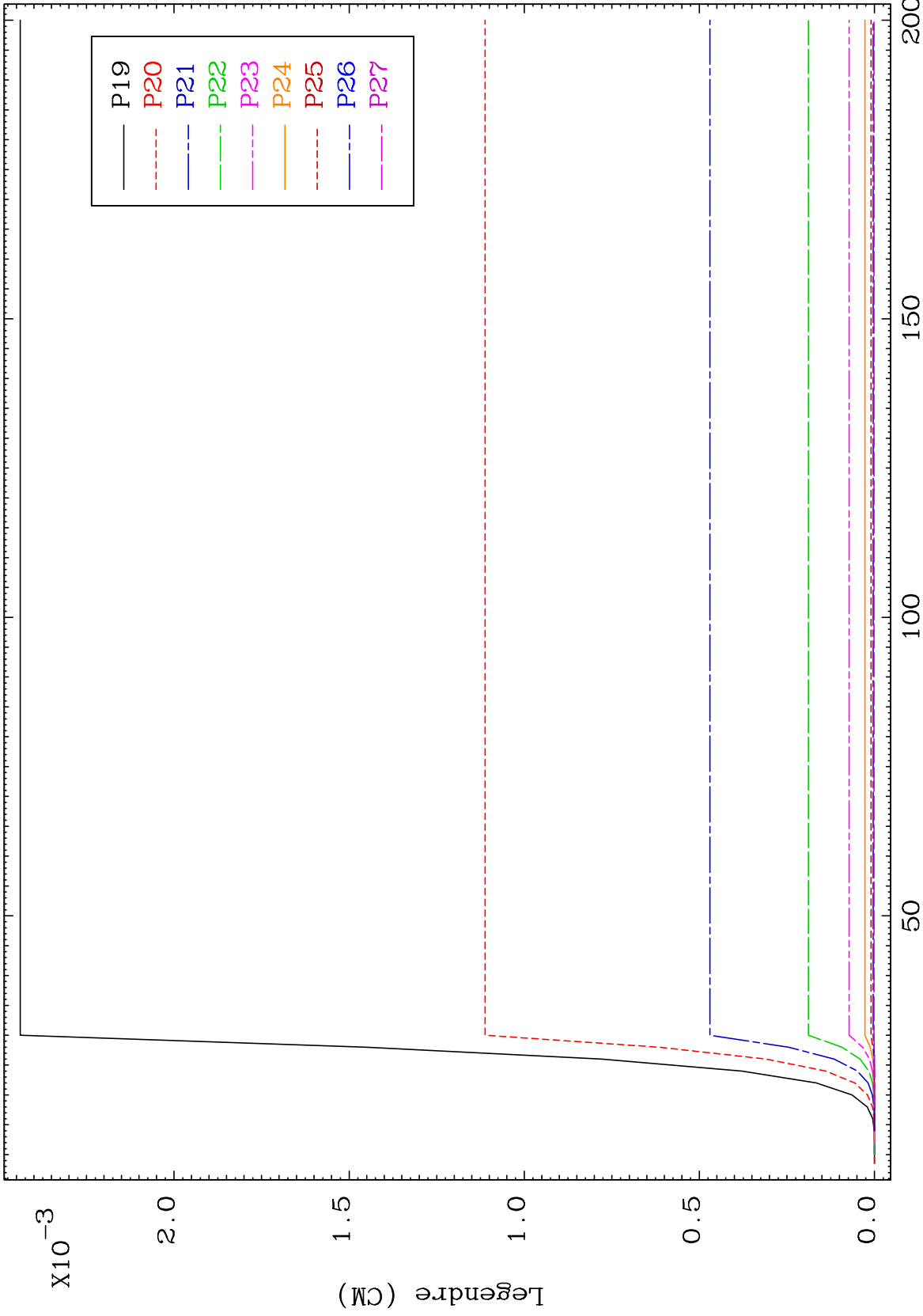
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



53

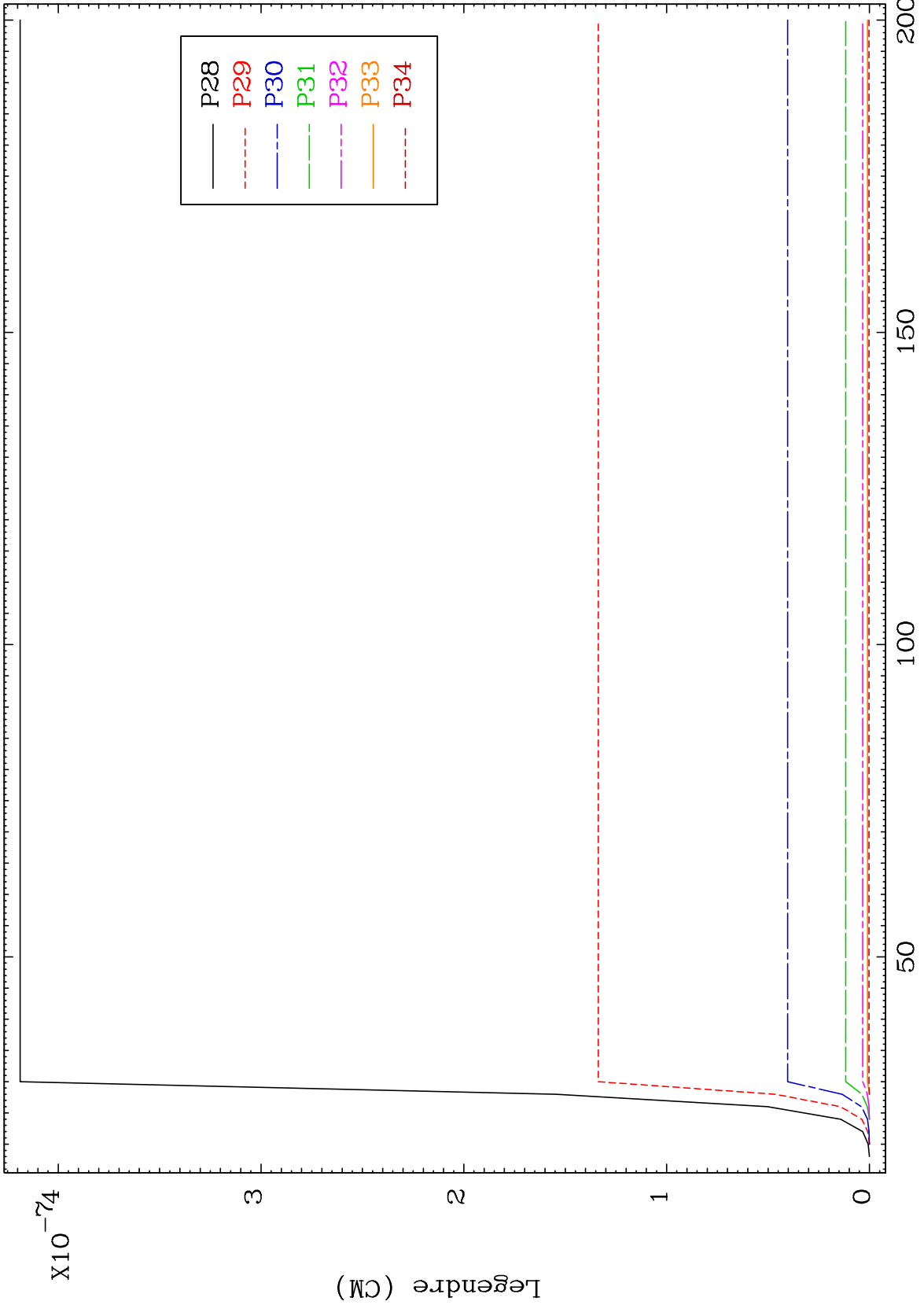
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

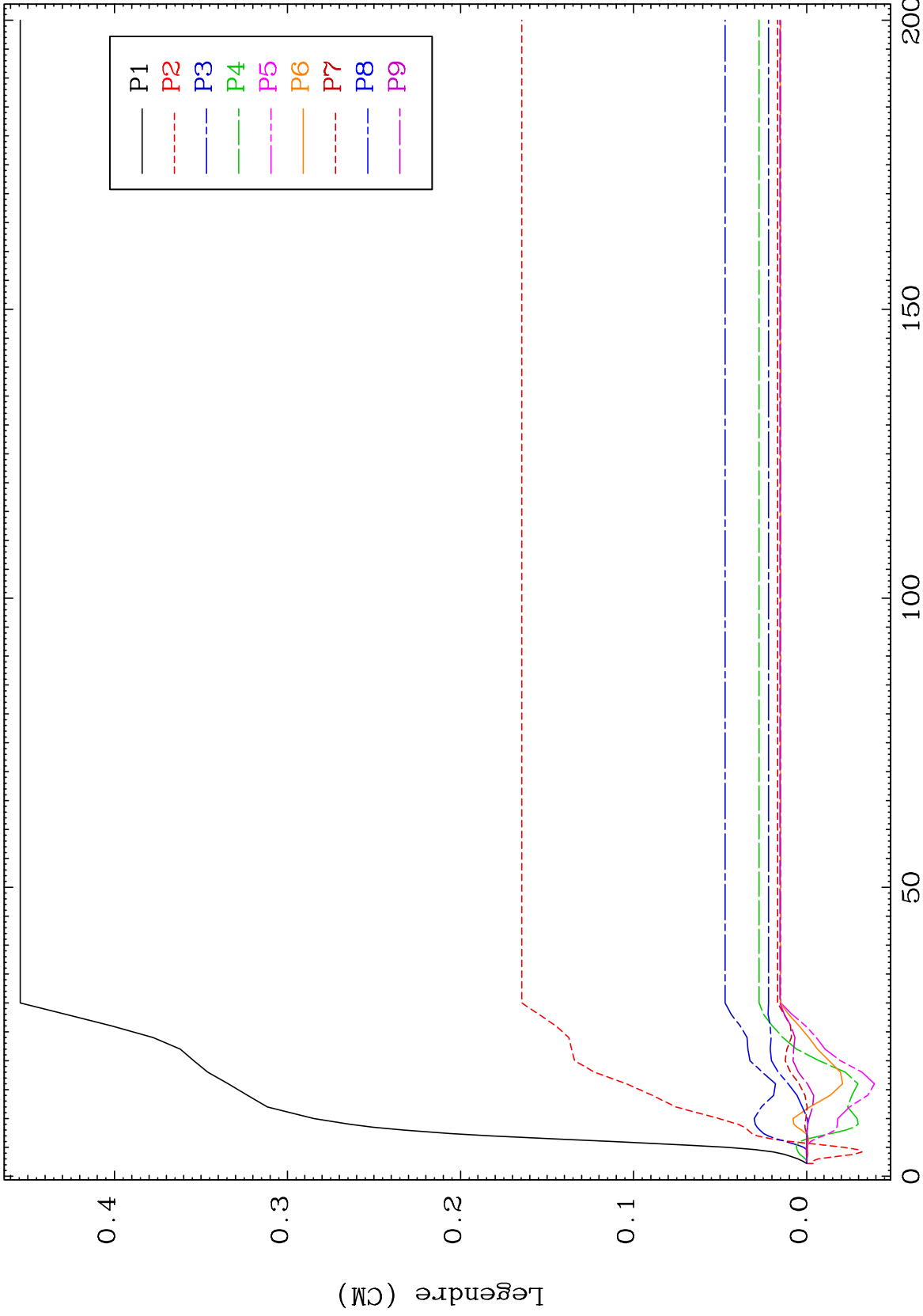
38-Sr-87



MAT 3834

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

38-Sr-87



55

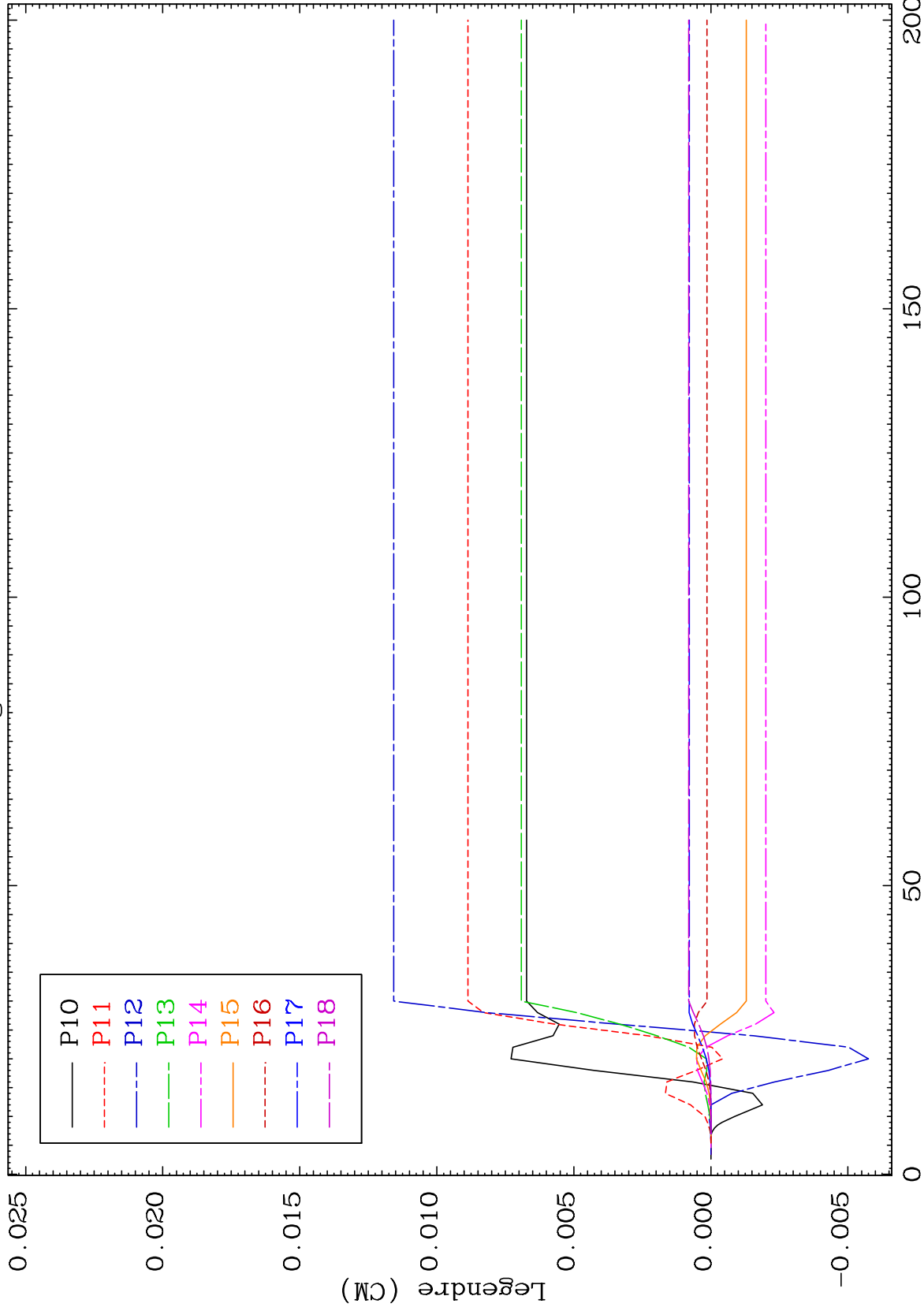
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



56

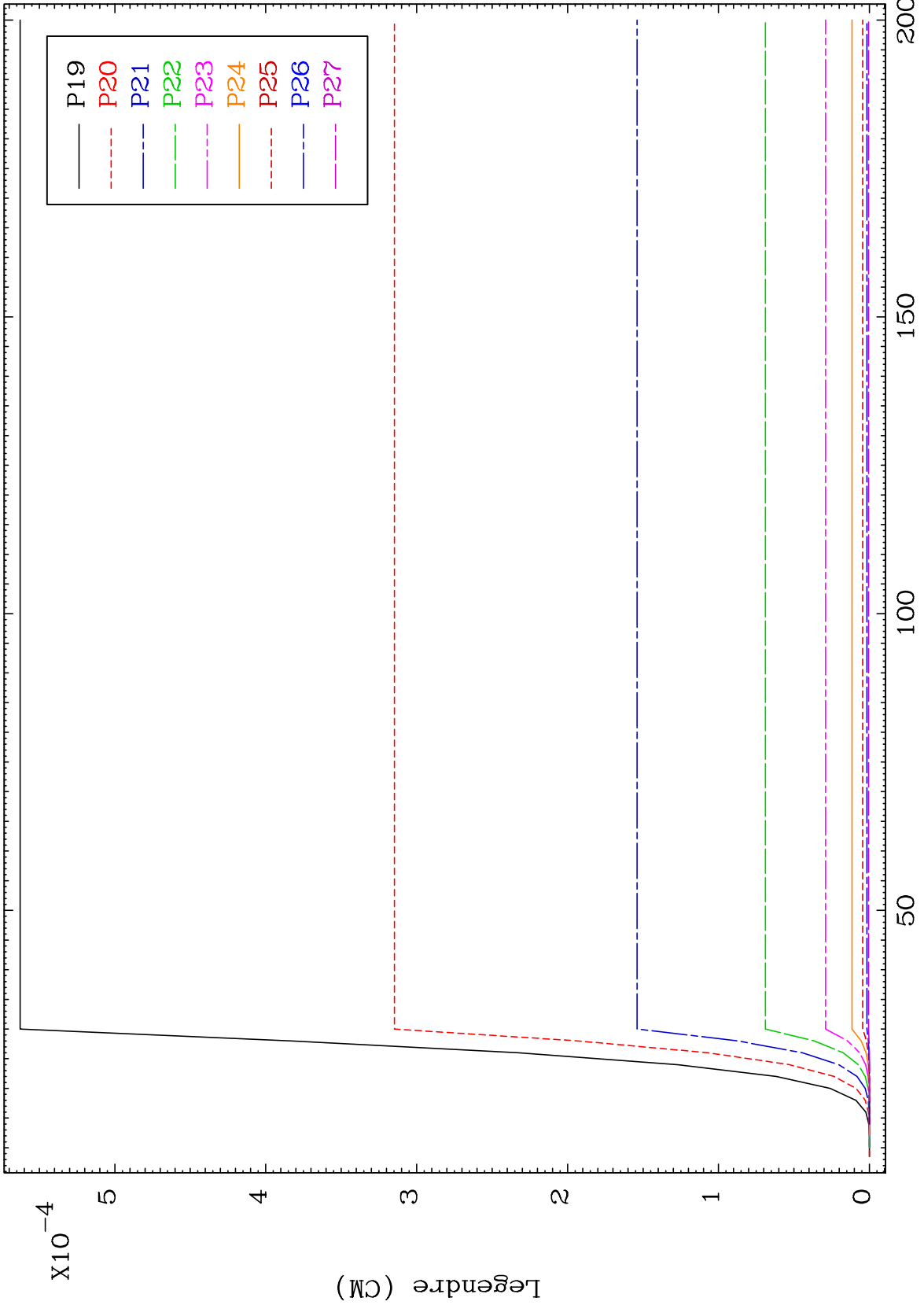
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



57

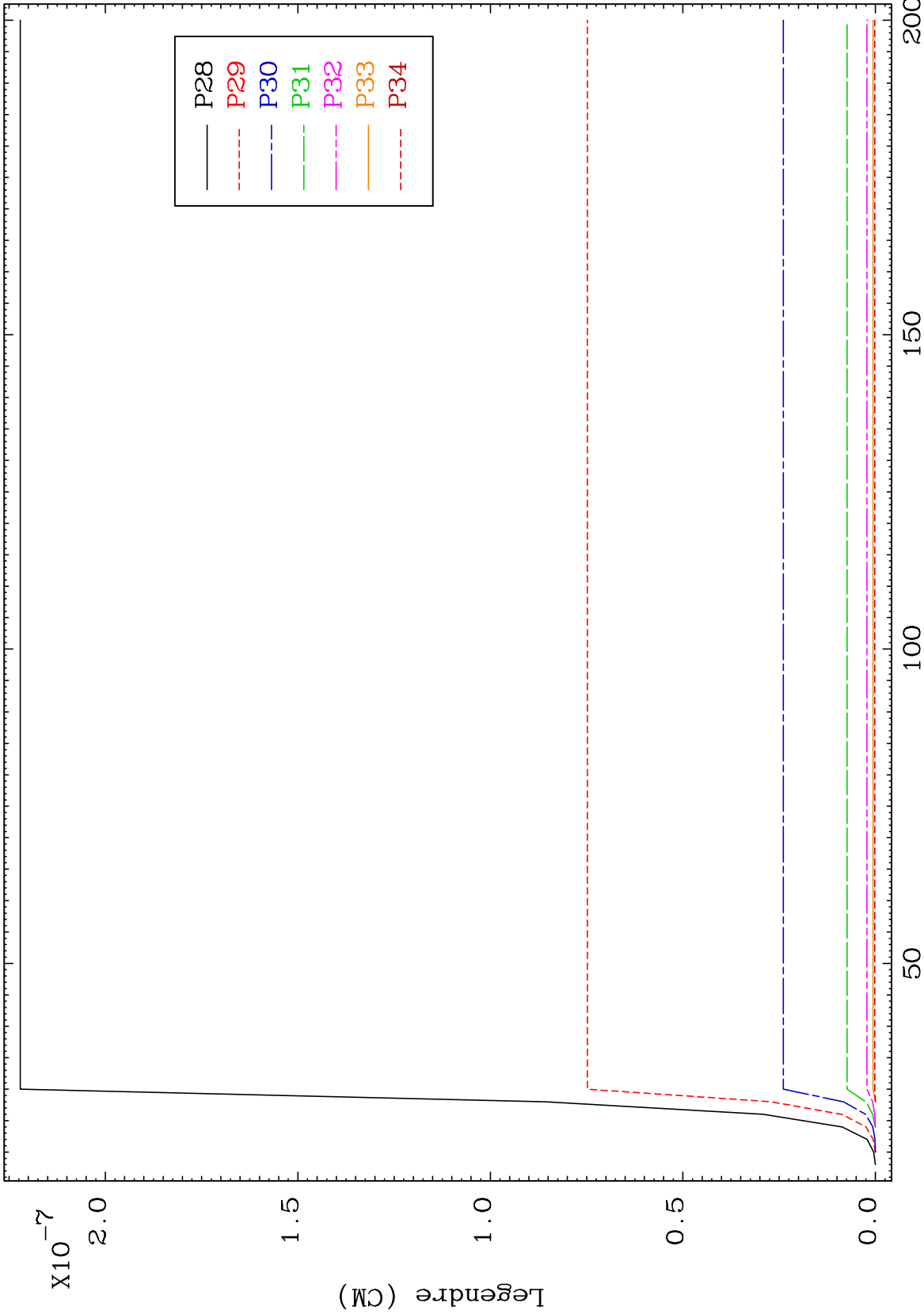
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



58

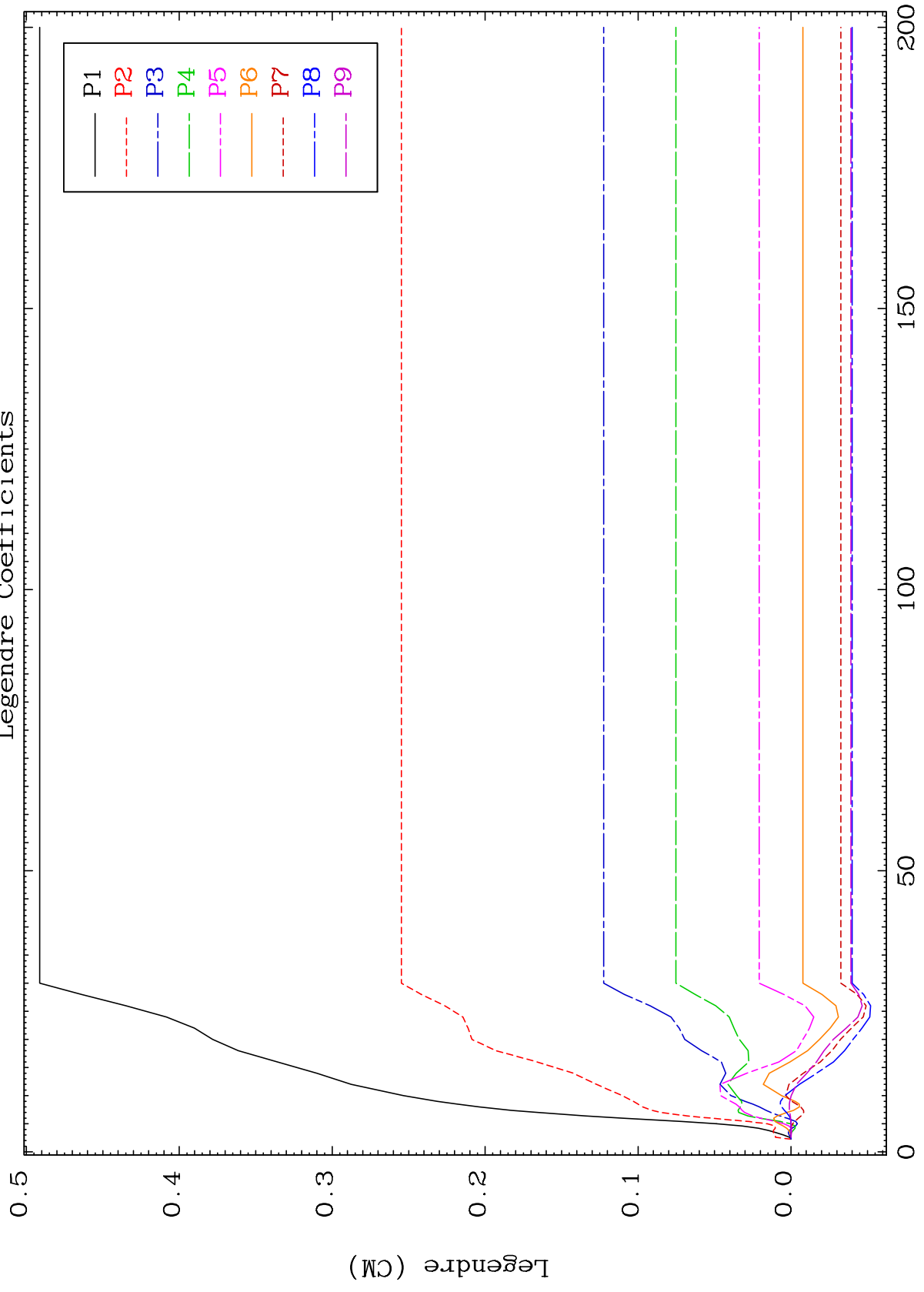
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



59

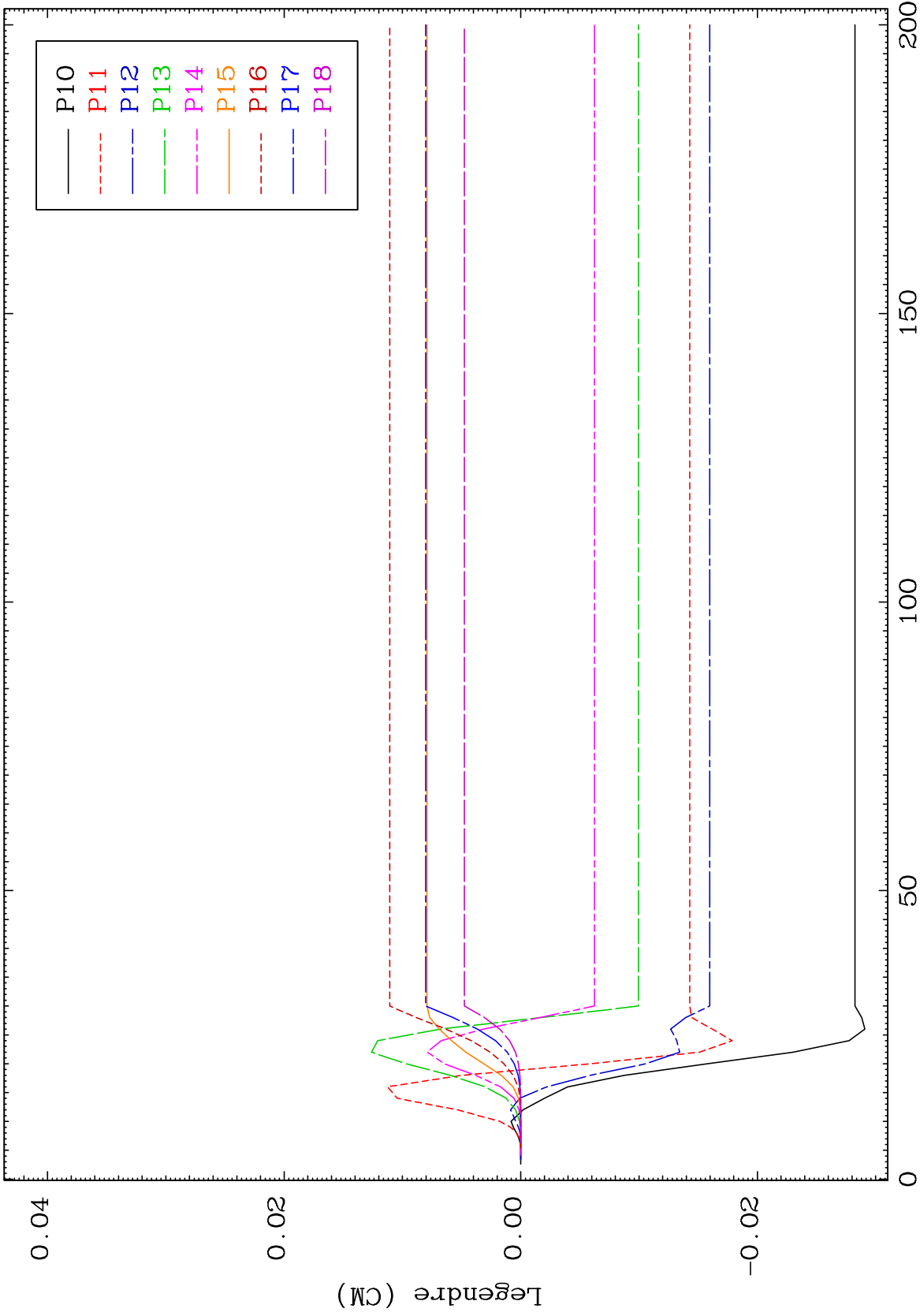
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



60

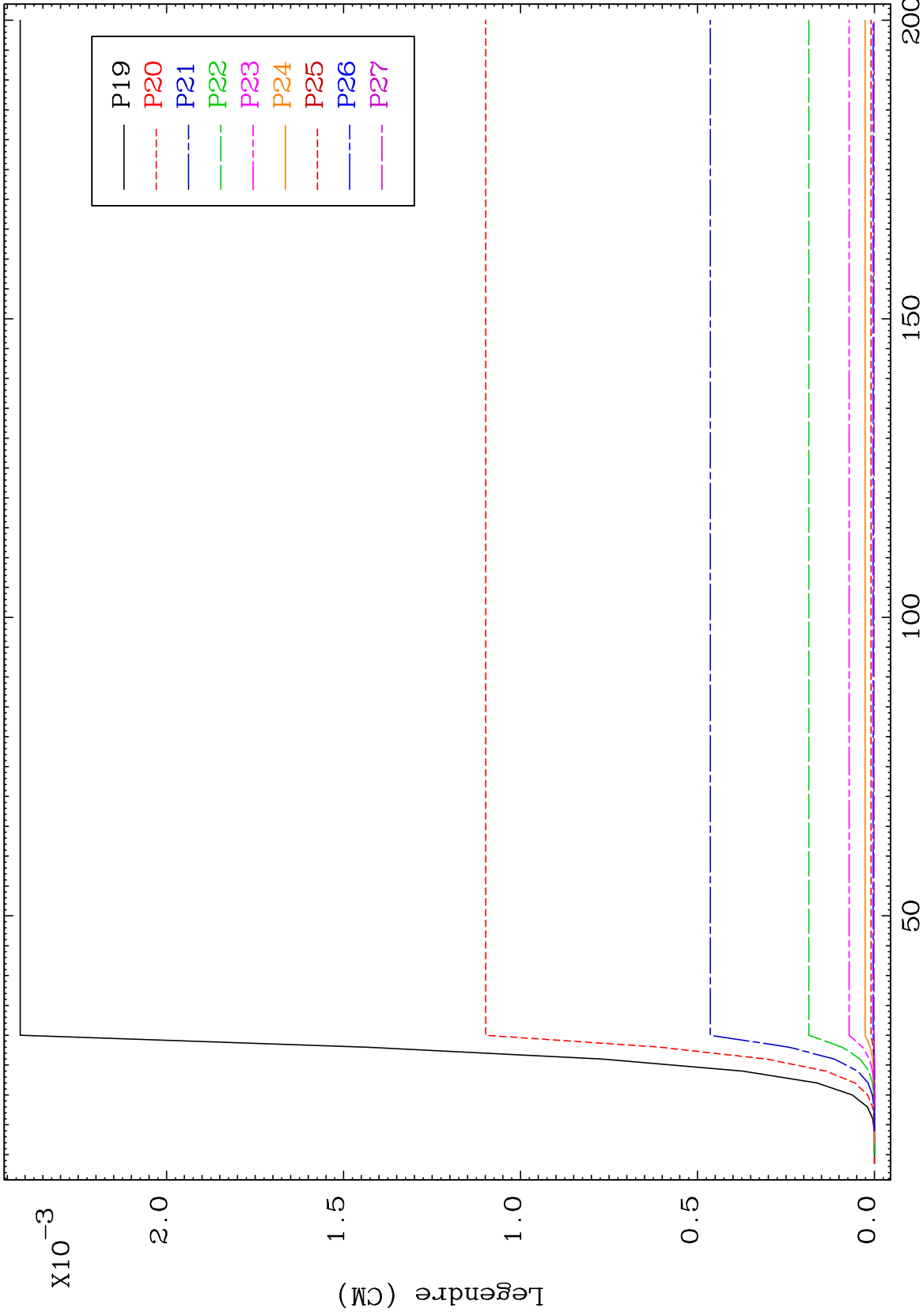
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



61

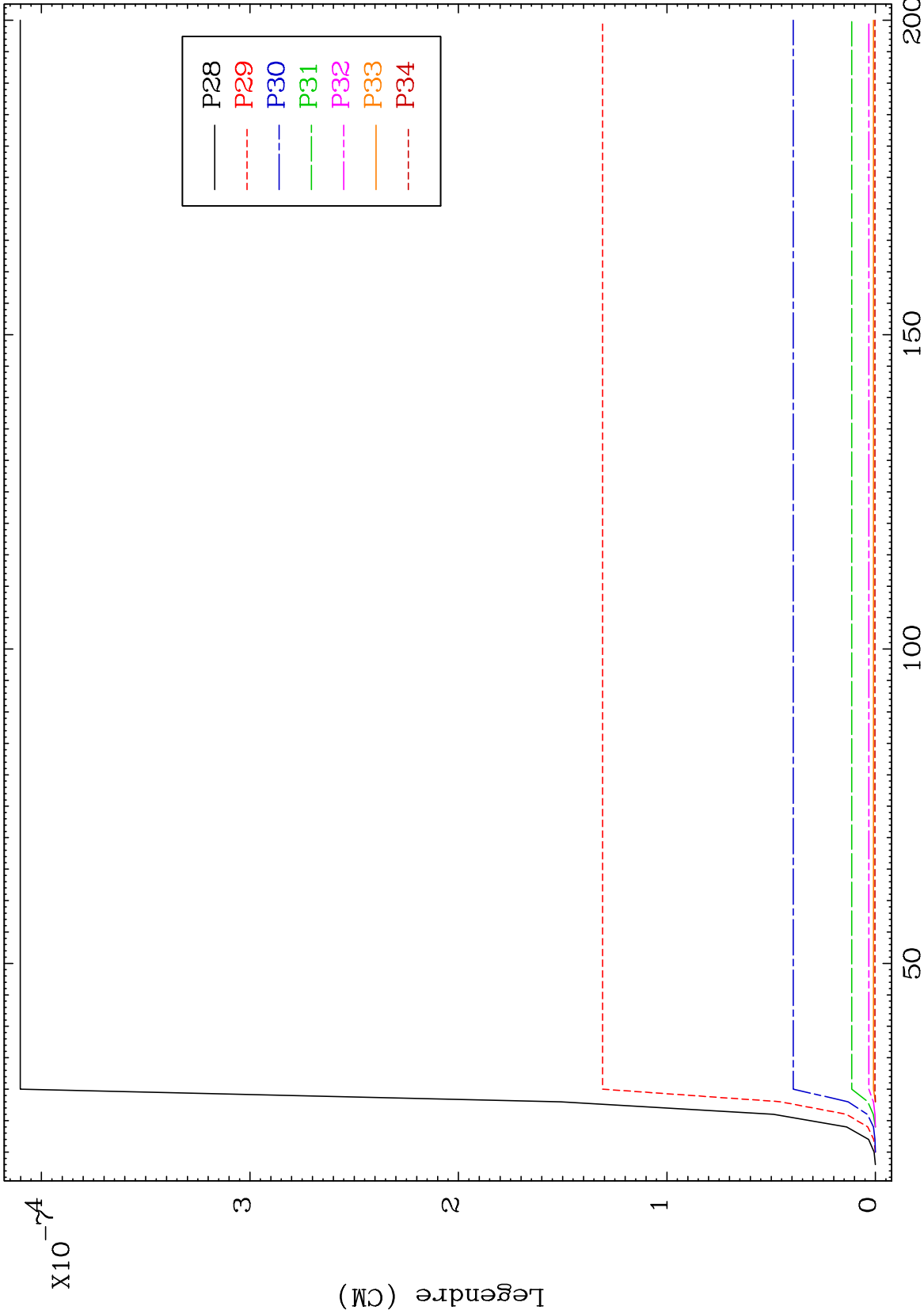
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



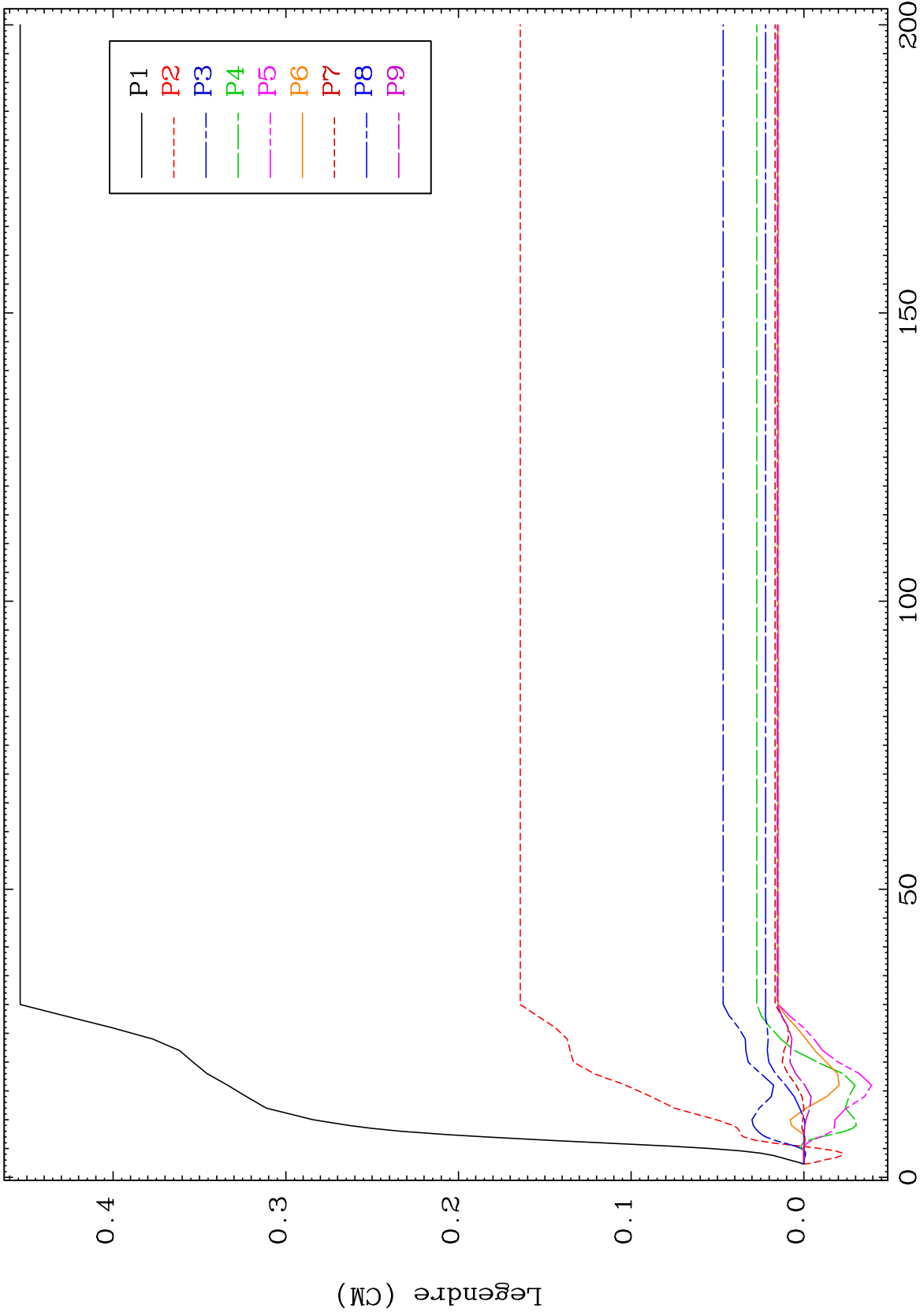
62

38-Sr-87

MAT 3834

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

38-Sr-87



63

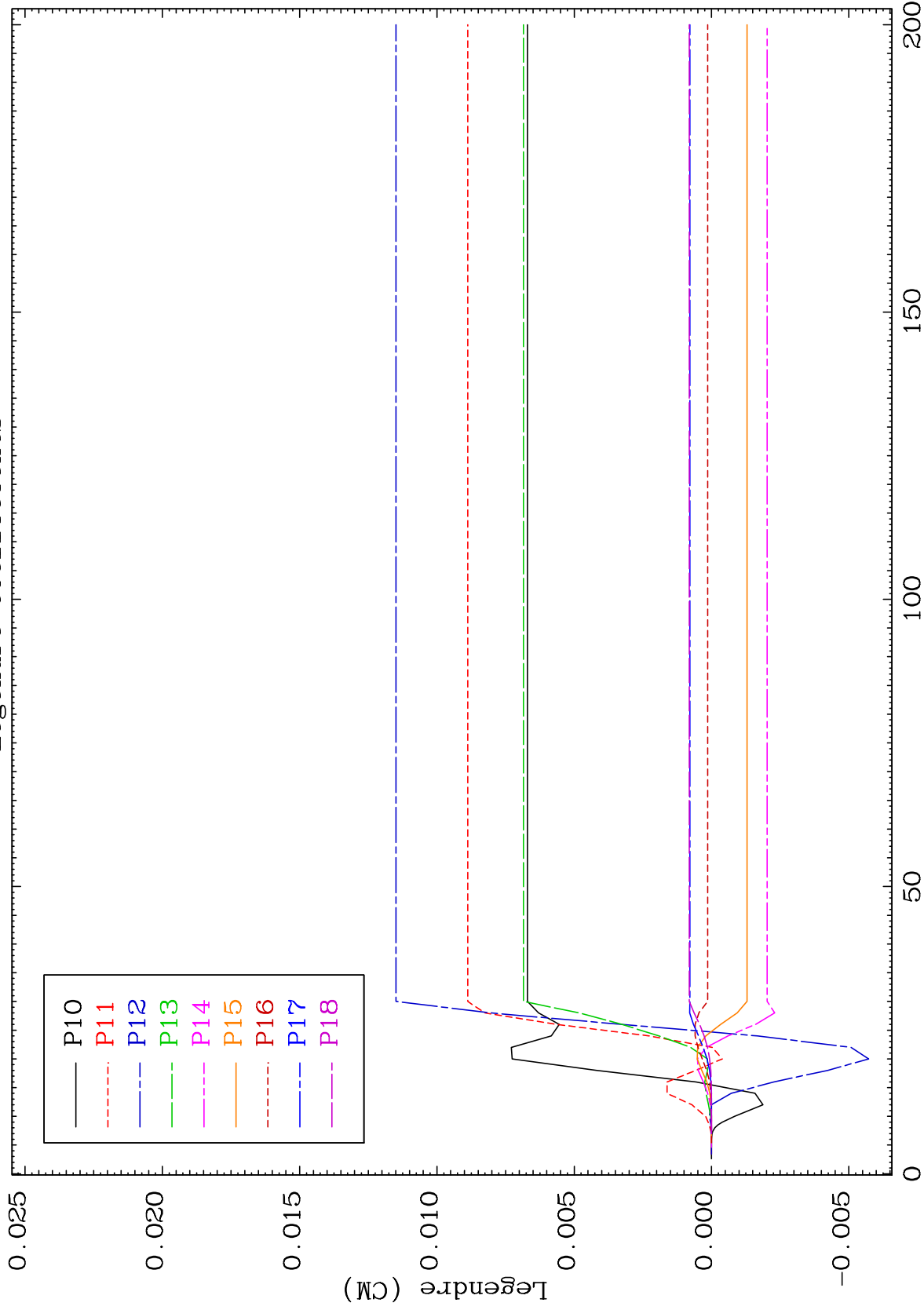
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

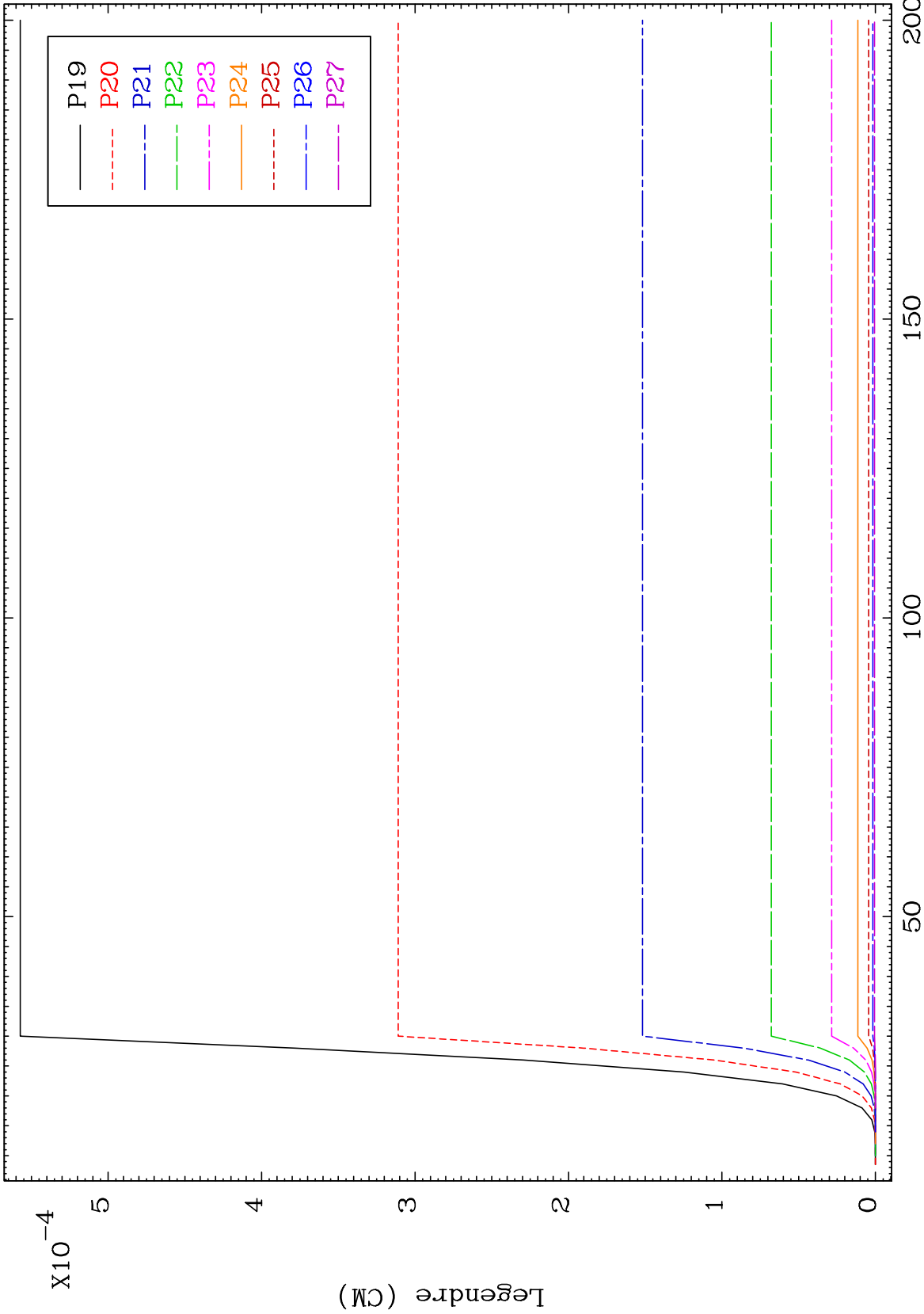
38-Sr-87



MAT 3834

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

38-Sr-87



65

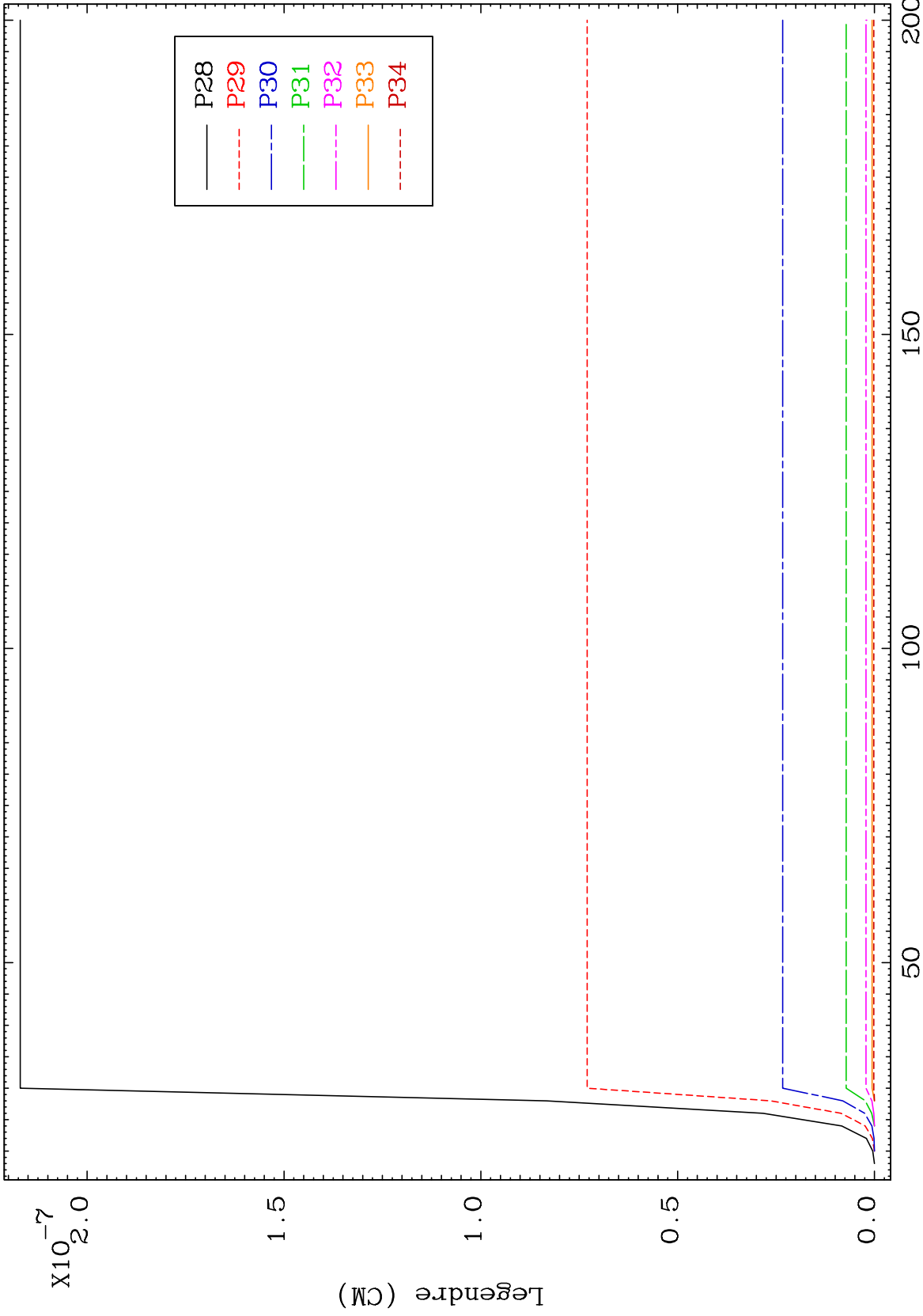
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



66

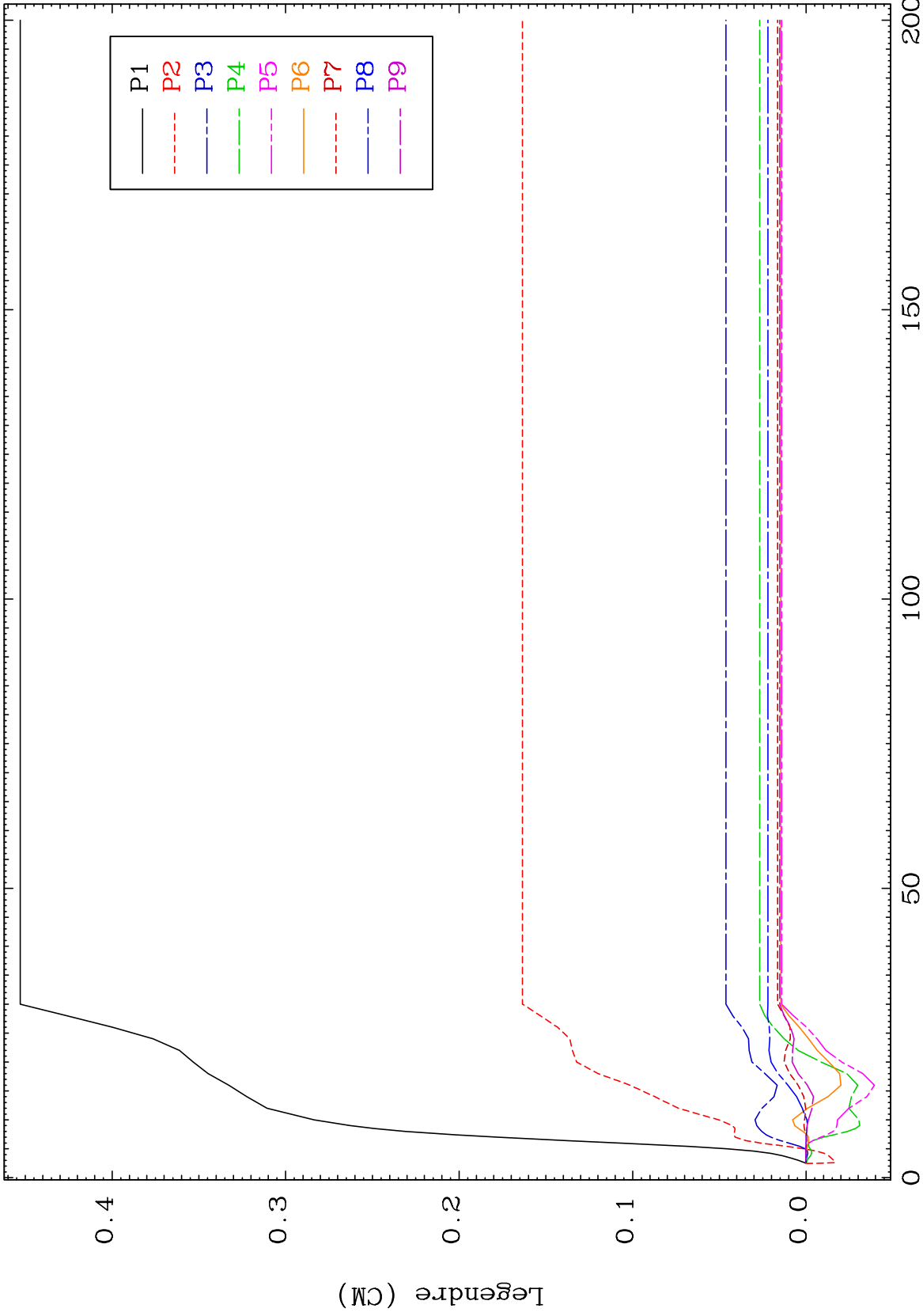
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



67

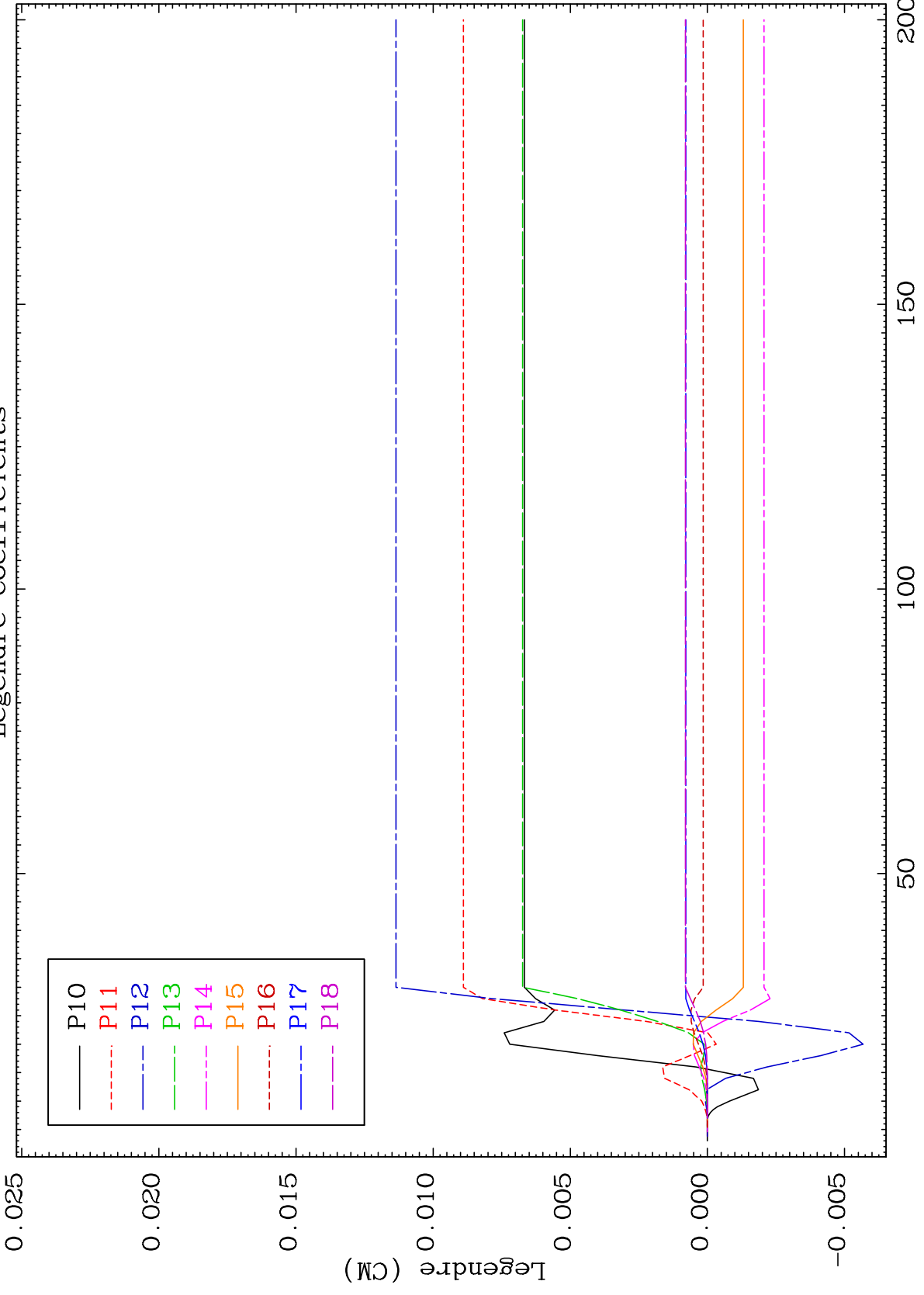
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



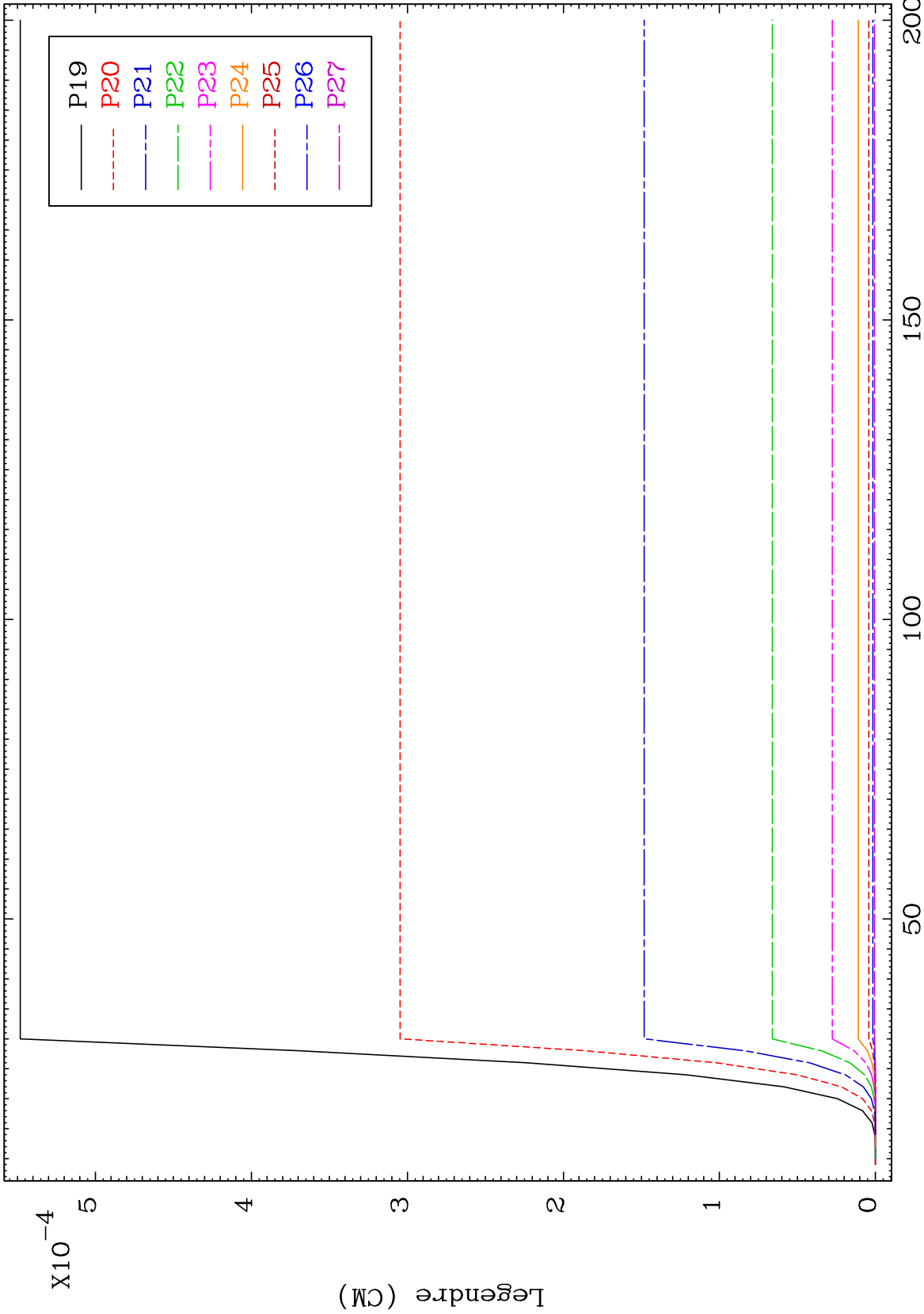
68

38-Sr-87

MAT 3834

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

38-Sr-87



69

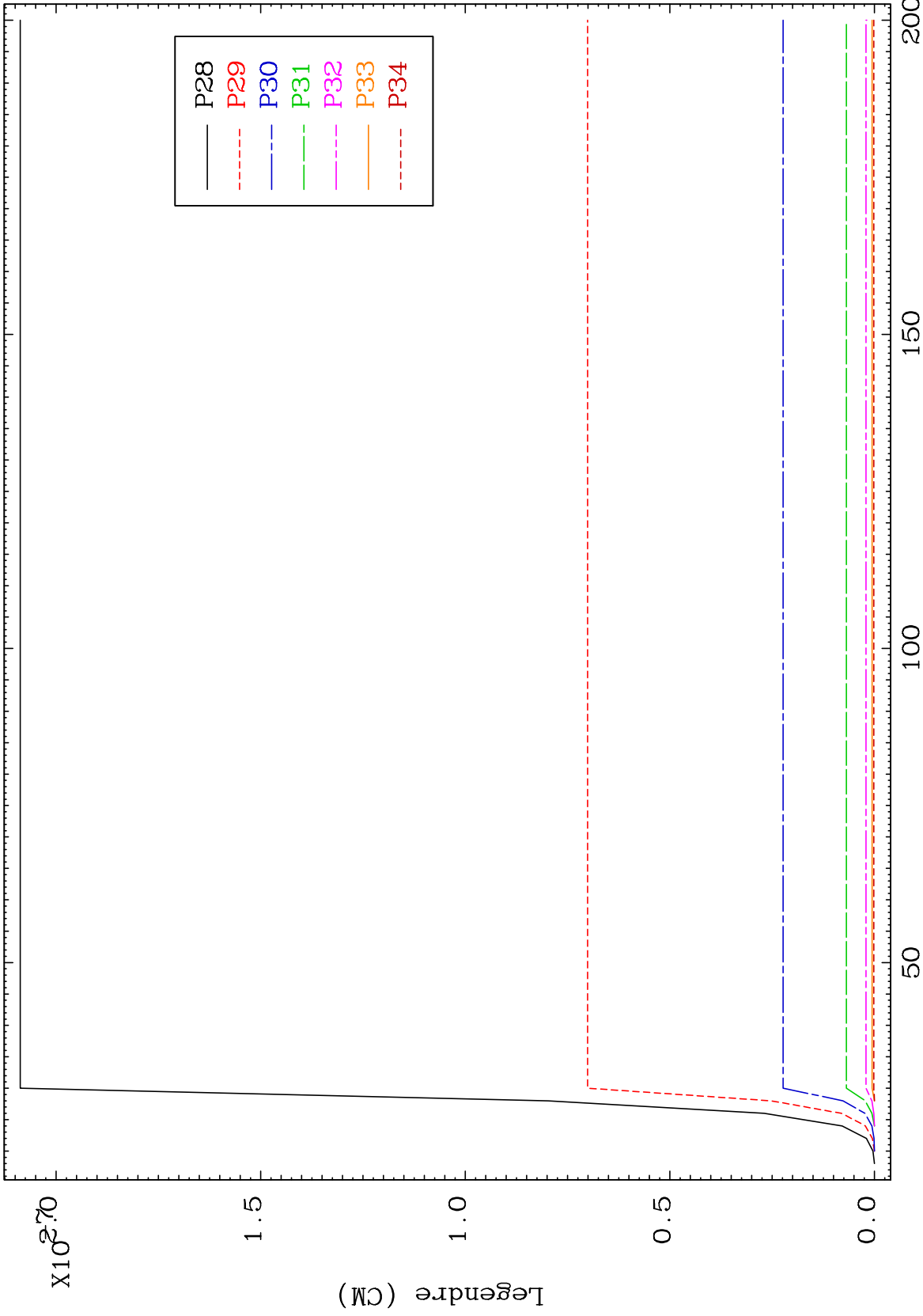
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



70

Incident Energy (MeV)

150

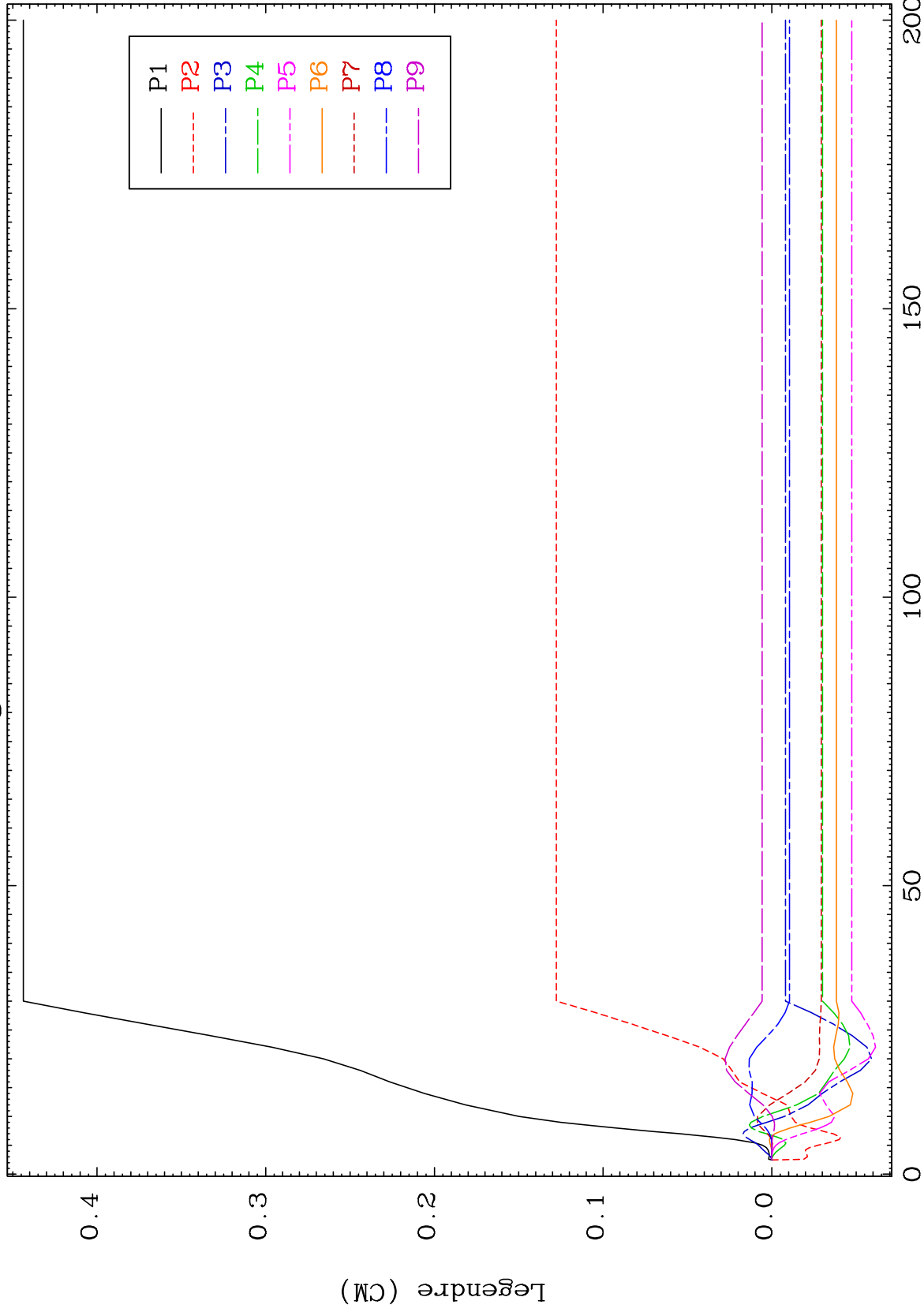
200

38-Sr-87

MAT 3834

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

38-Sr-87



71

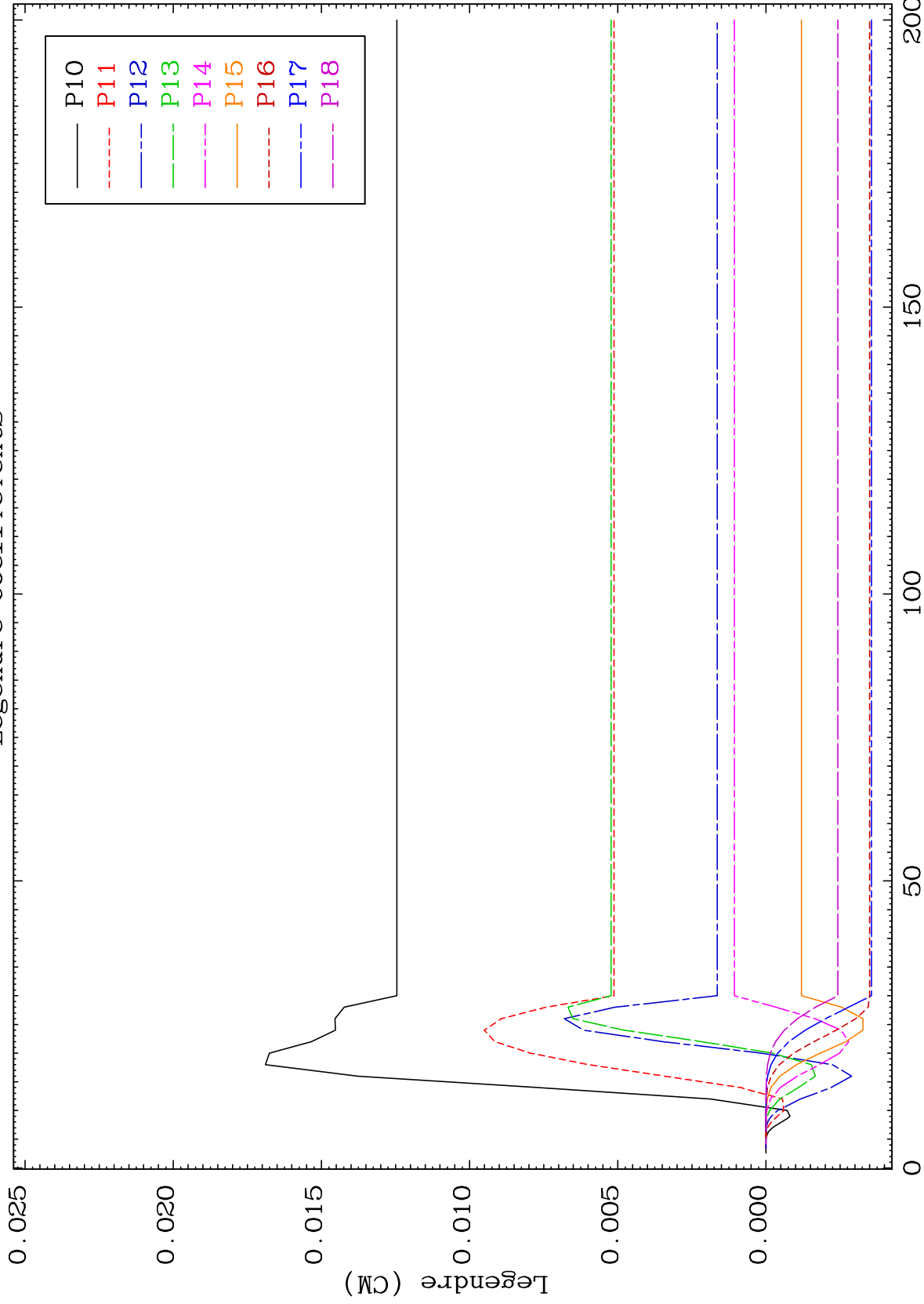
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



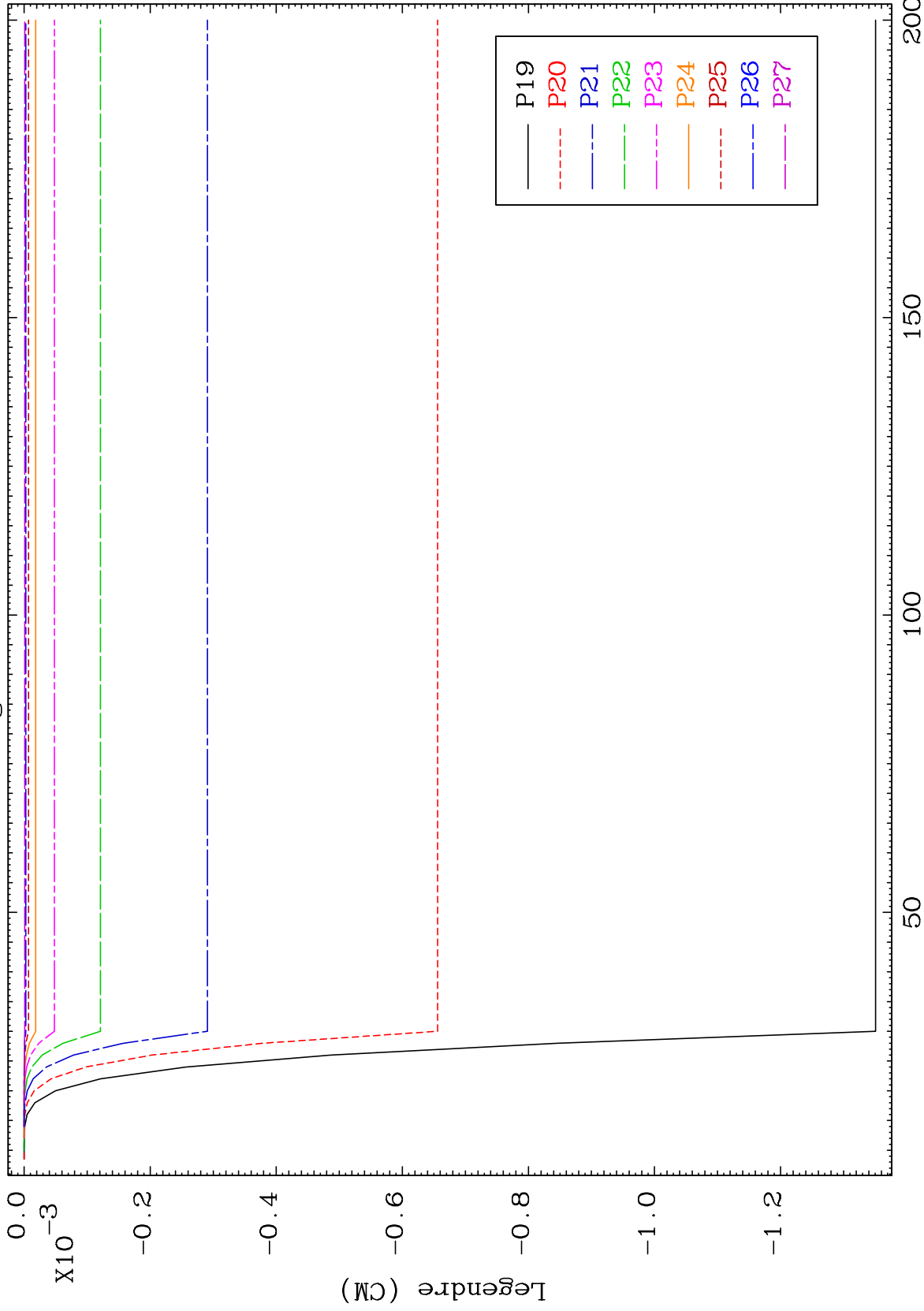
72

38-Sr-87

MAT 3834

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

38-Sr-87



73

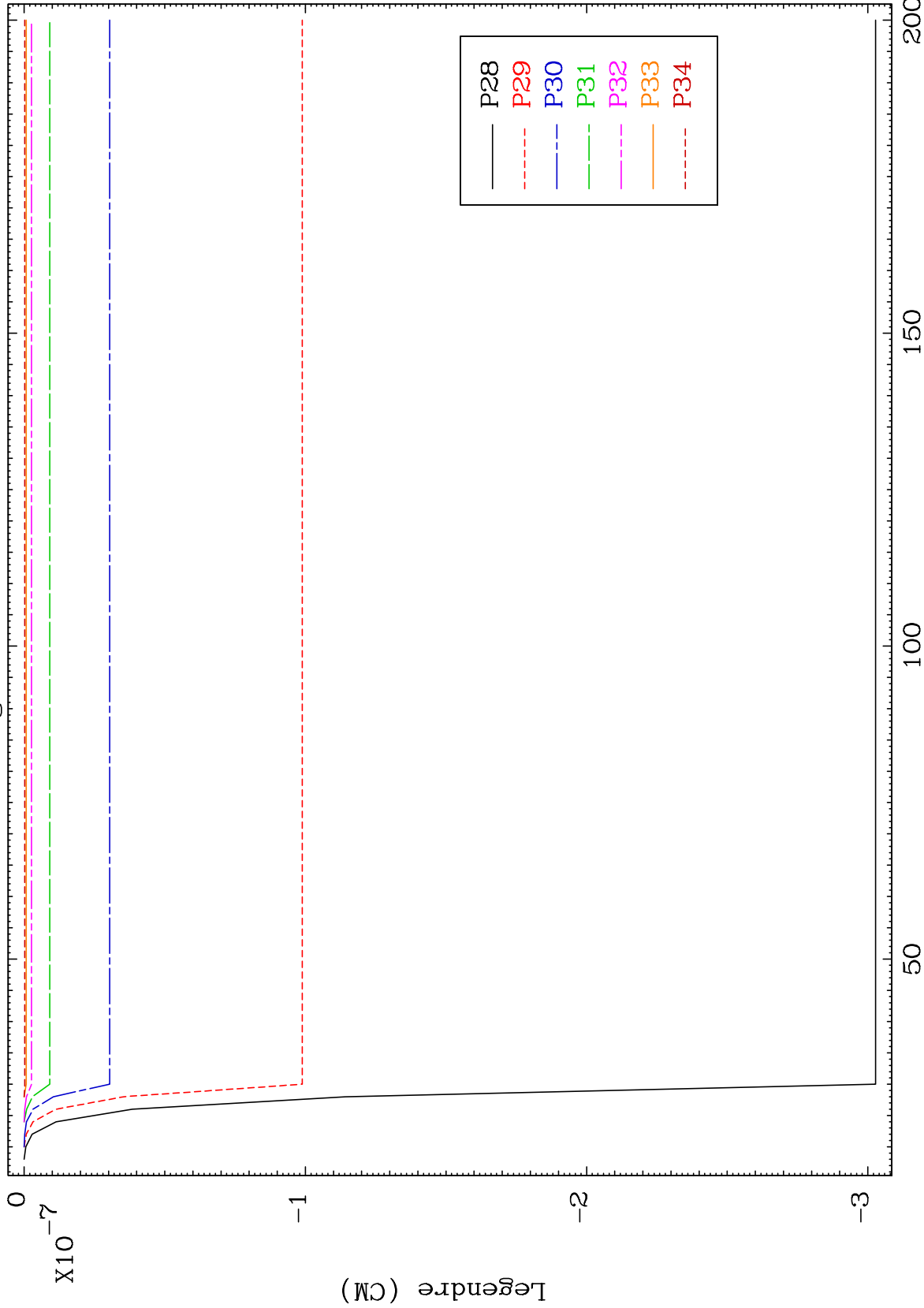
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



74

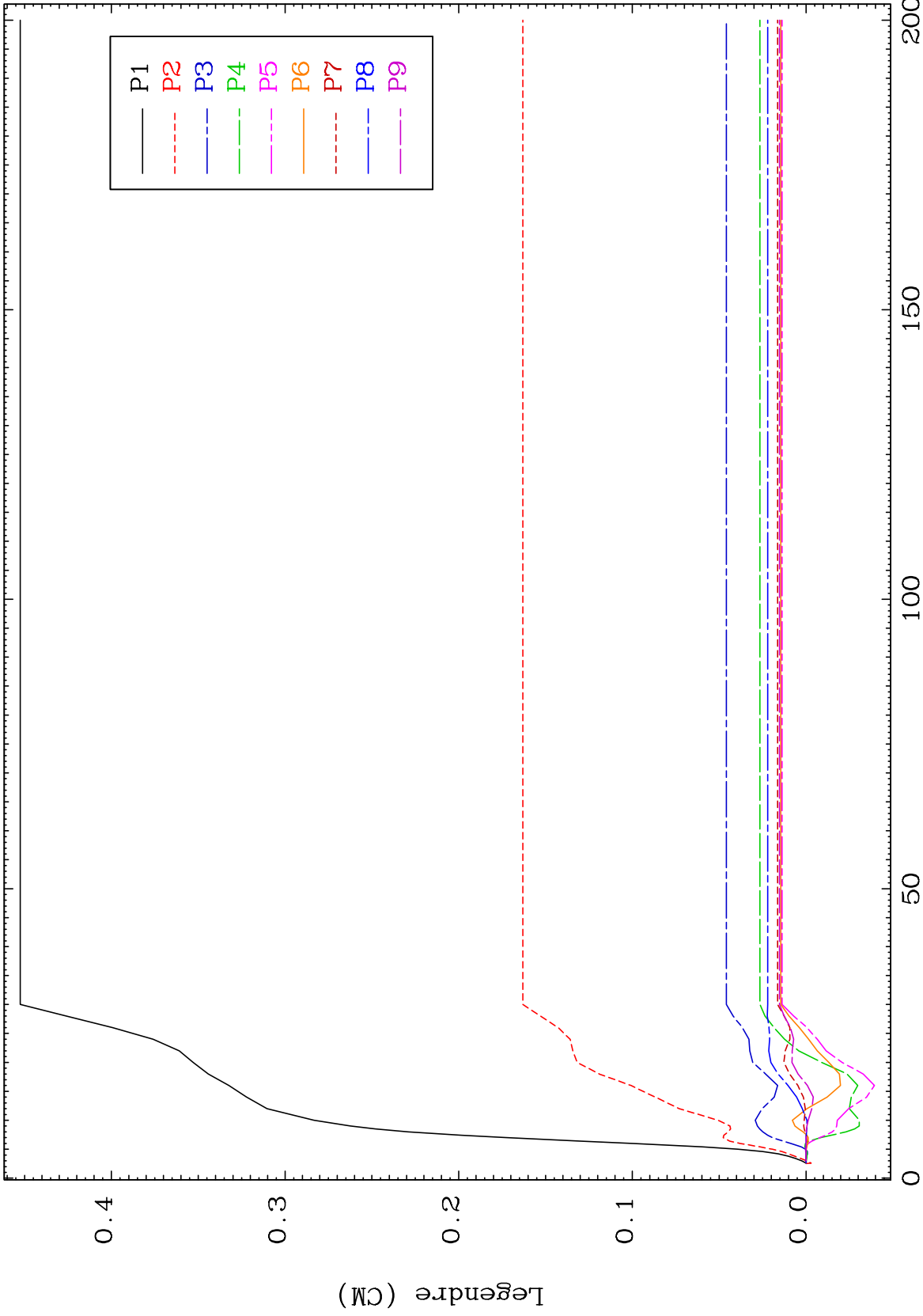
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

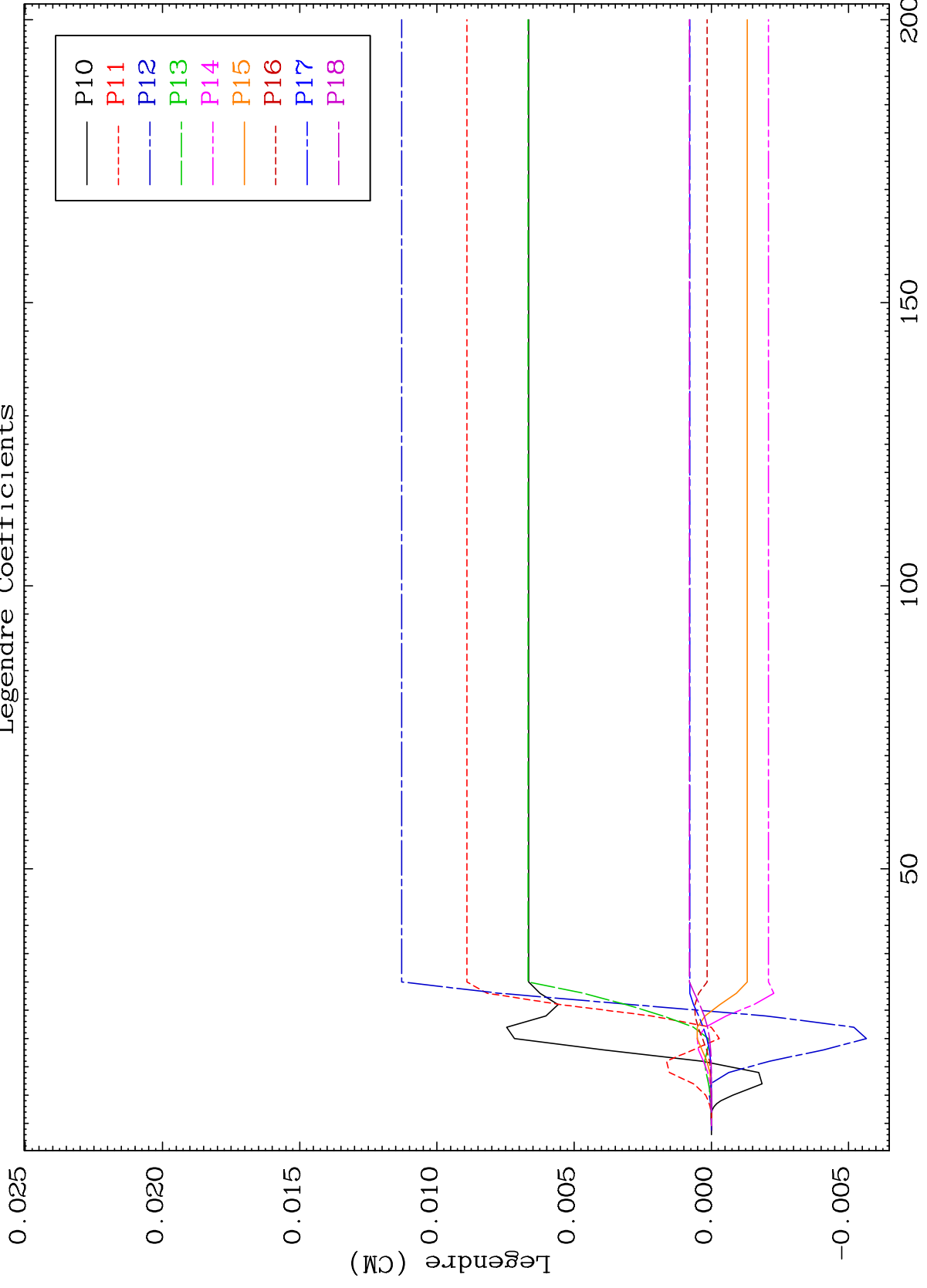
38-Sr-87



75

Incident Energy (MeV)

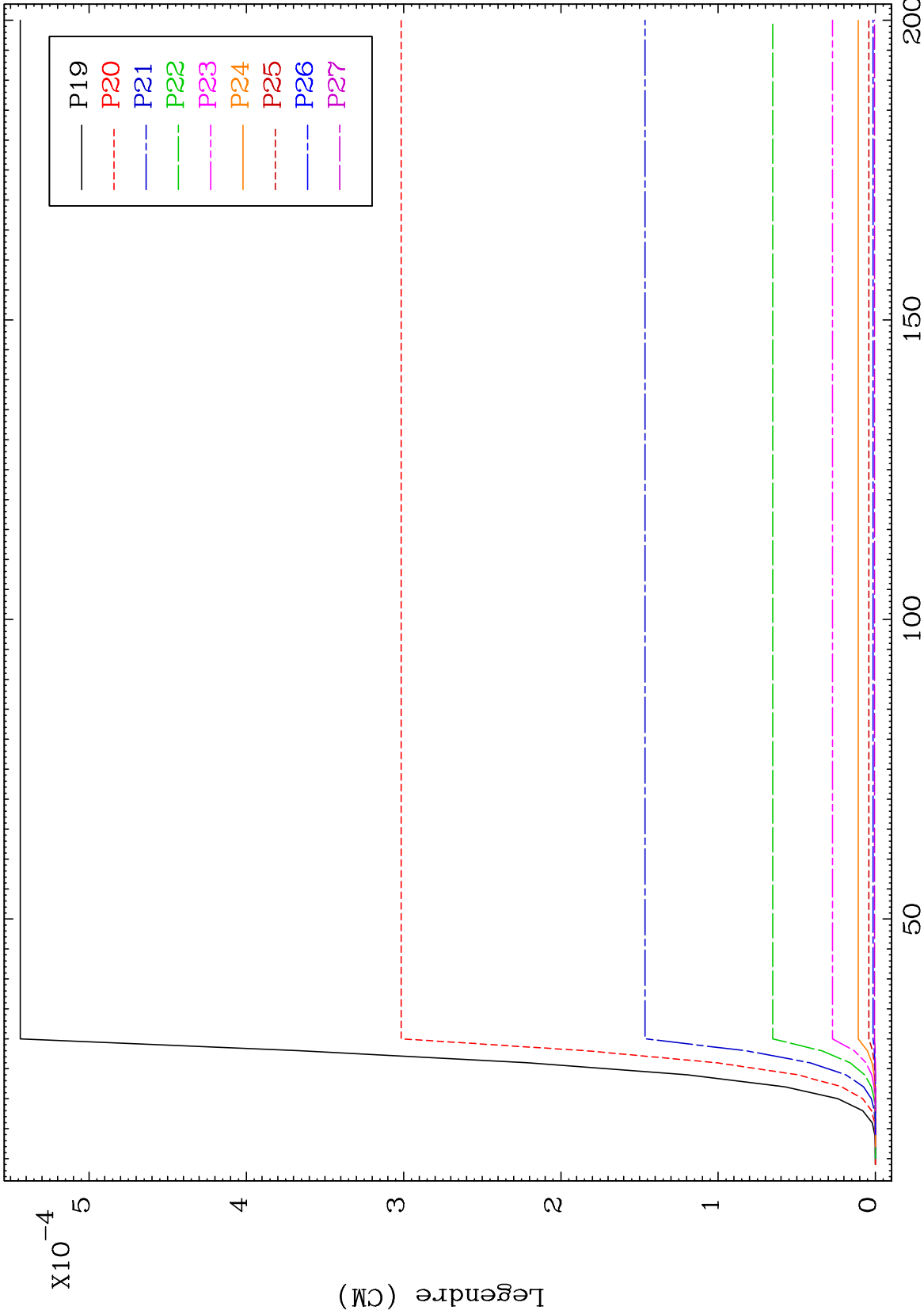
38-Sr-87



MAT 3834

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

38-Sr-87



77

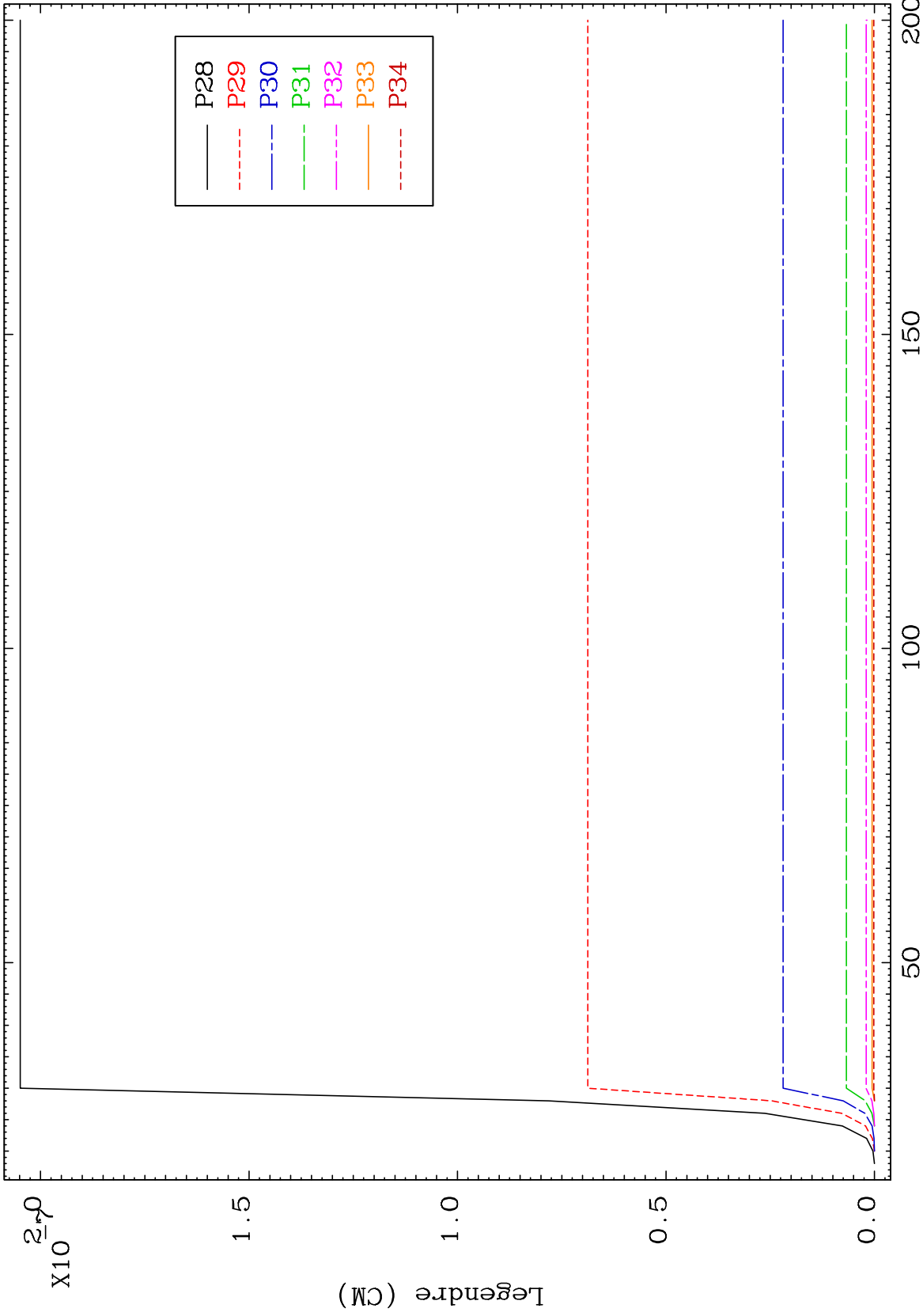
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



78

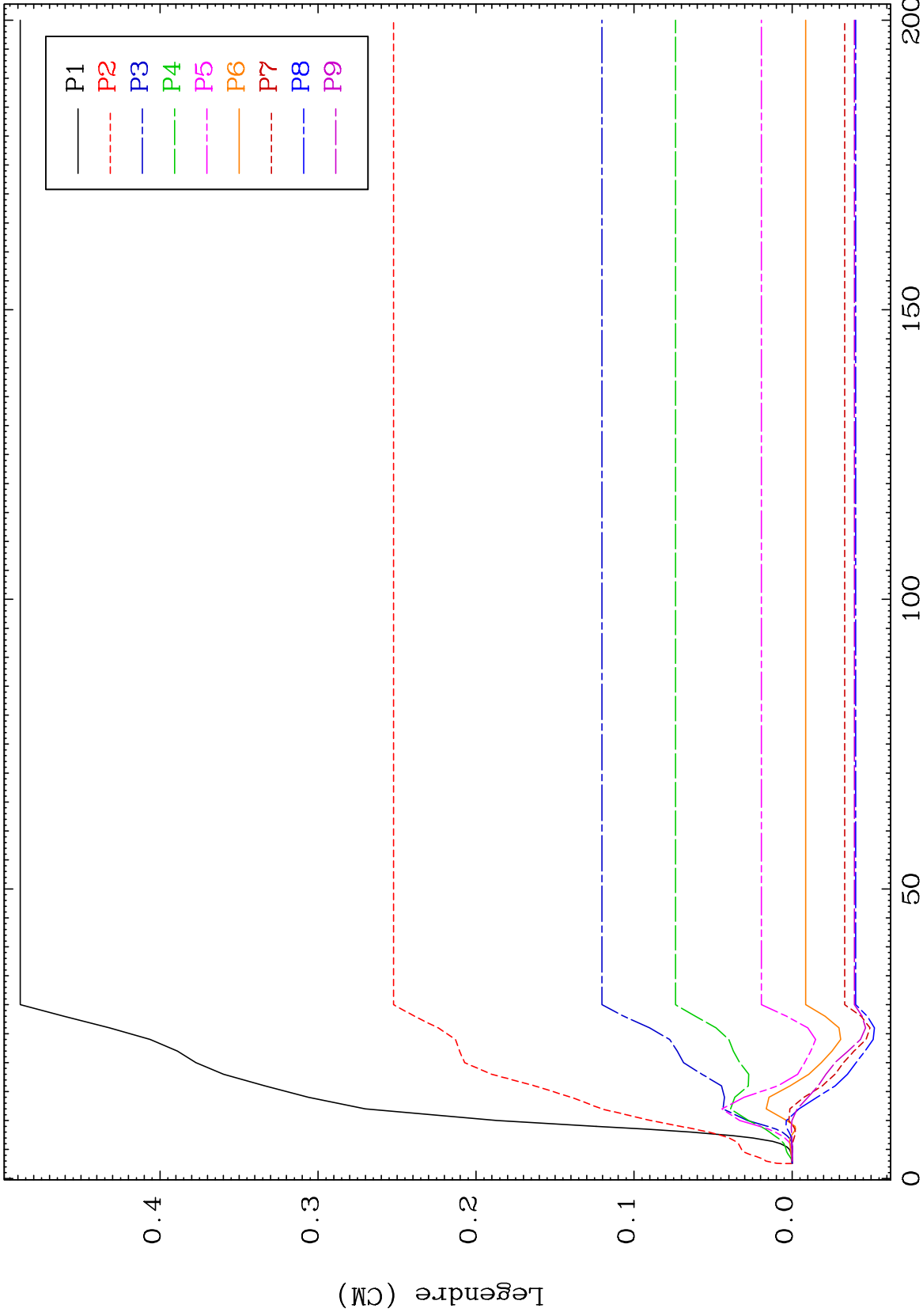
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



79

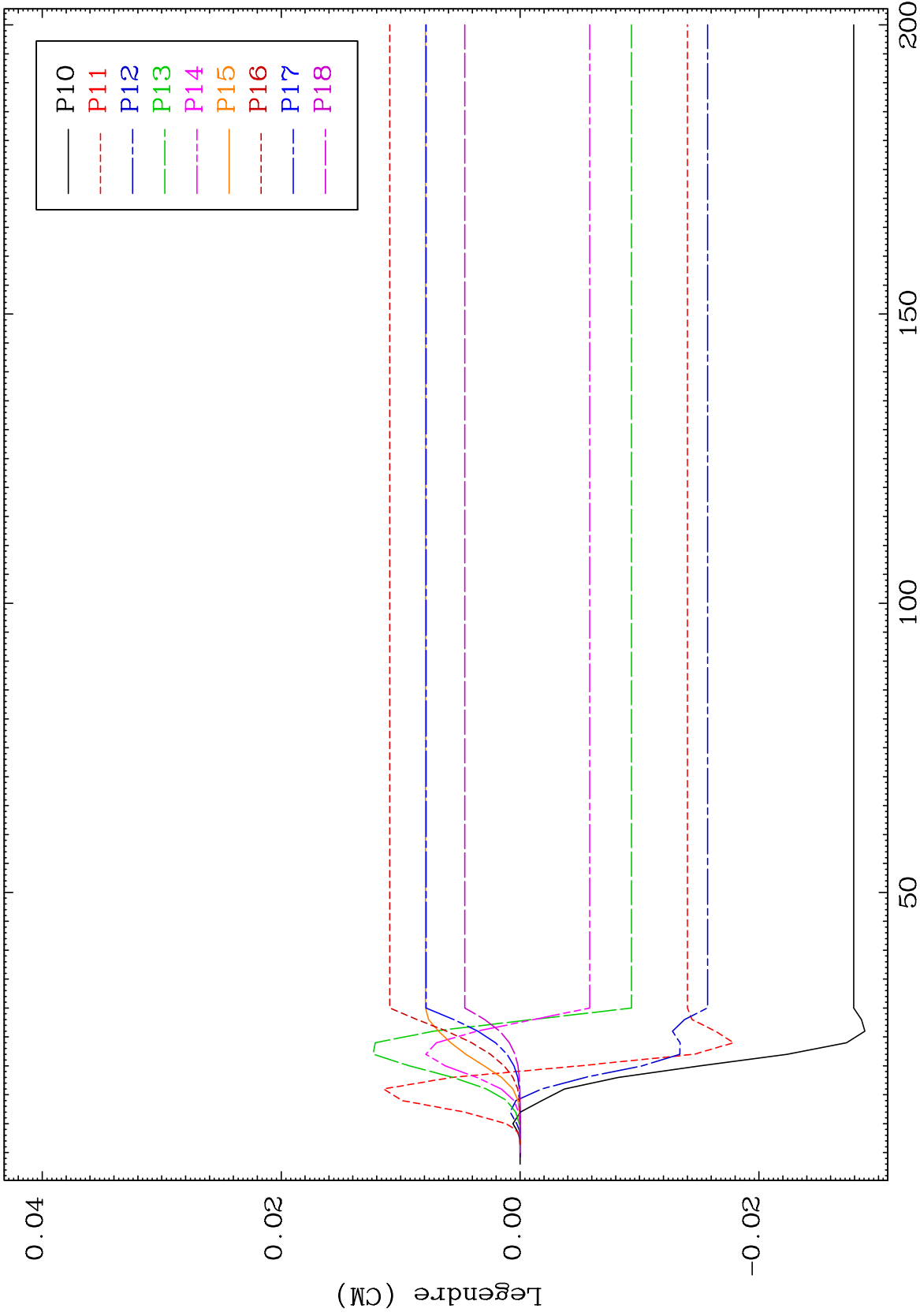
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



80

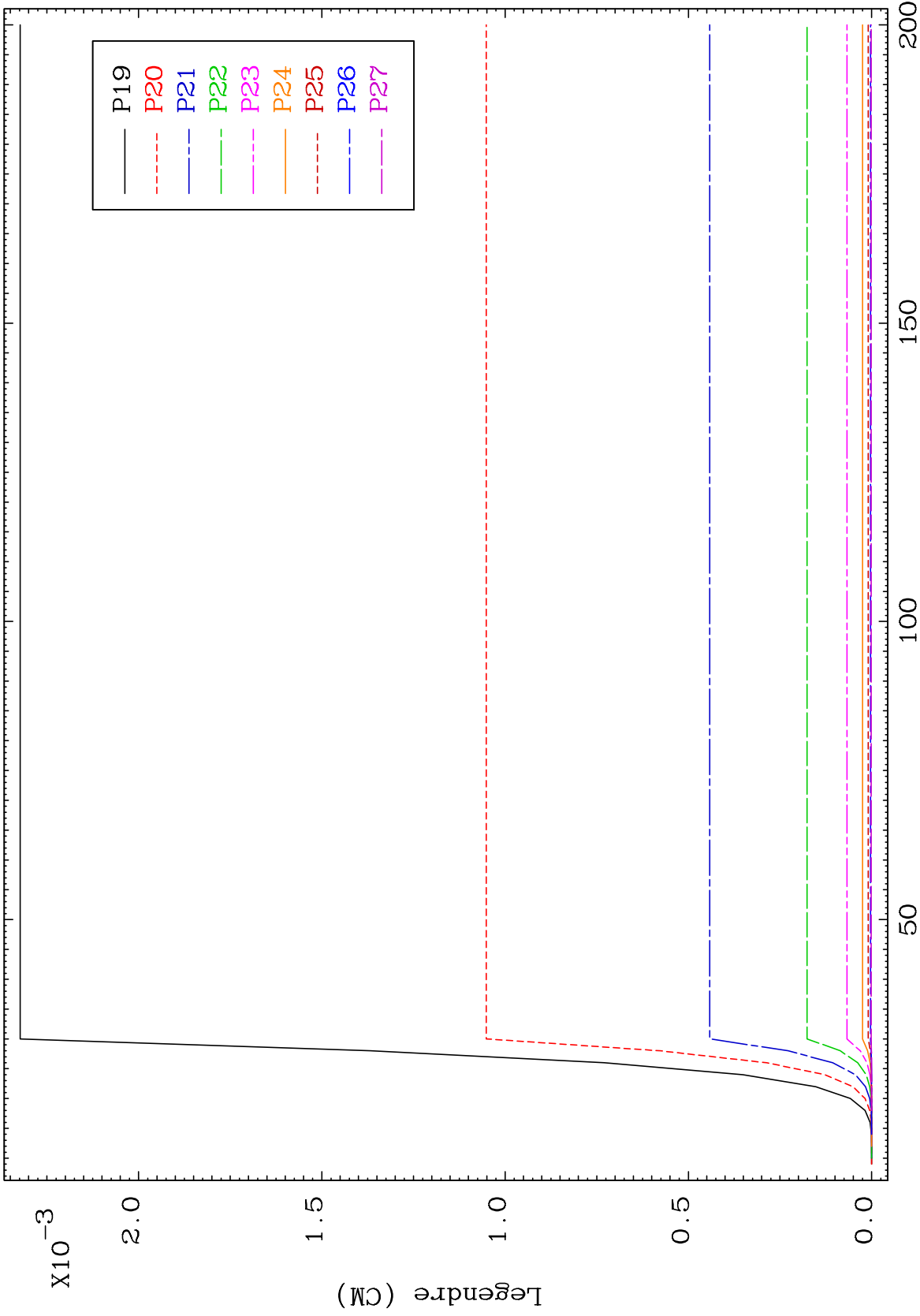
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



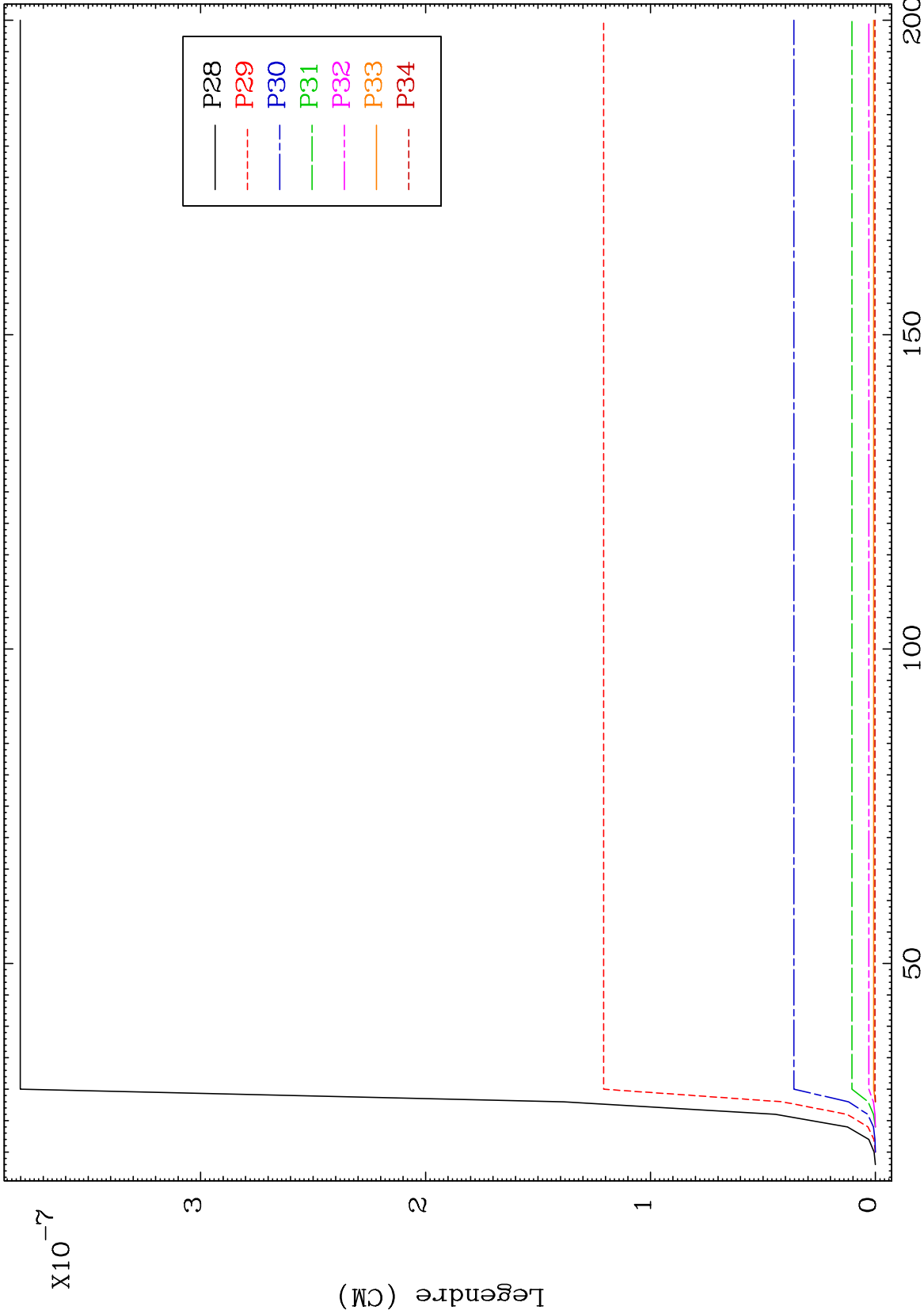
81

38-Sr-87

MAT 3834

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

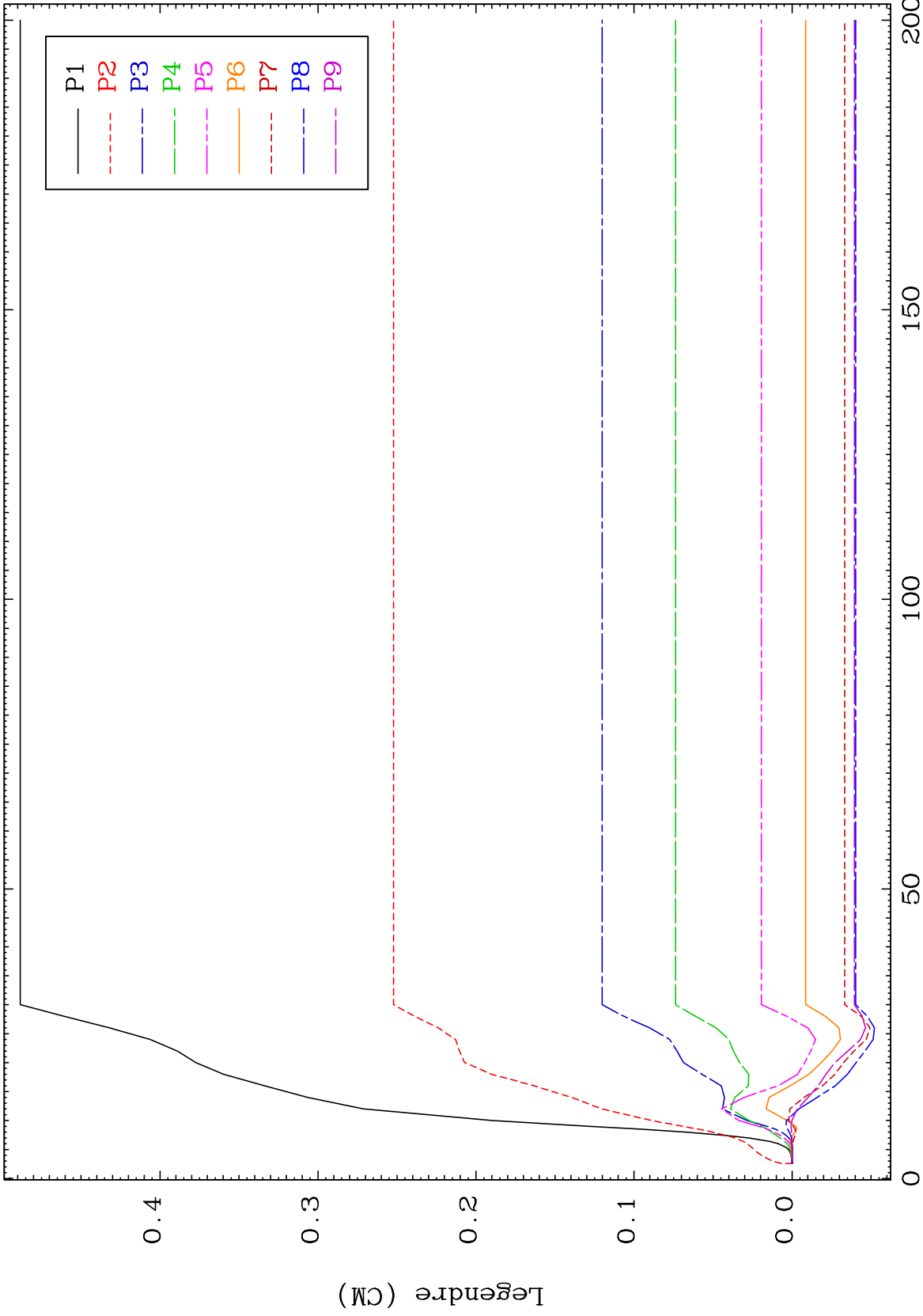
38-Sr-87



MAT 3834

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

38-Sr-87



83

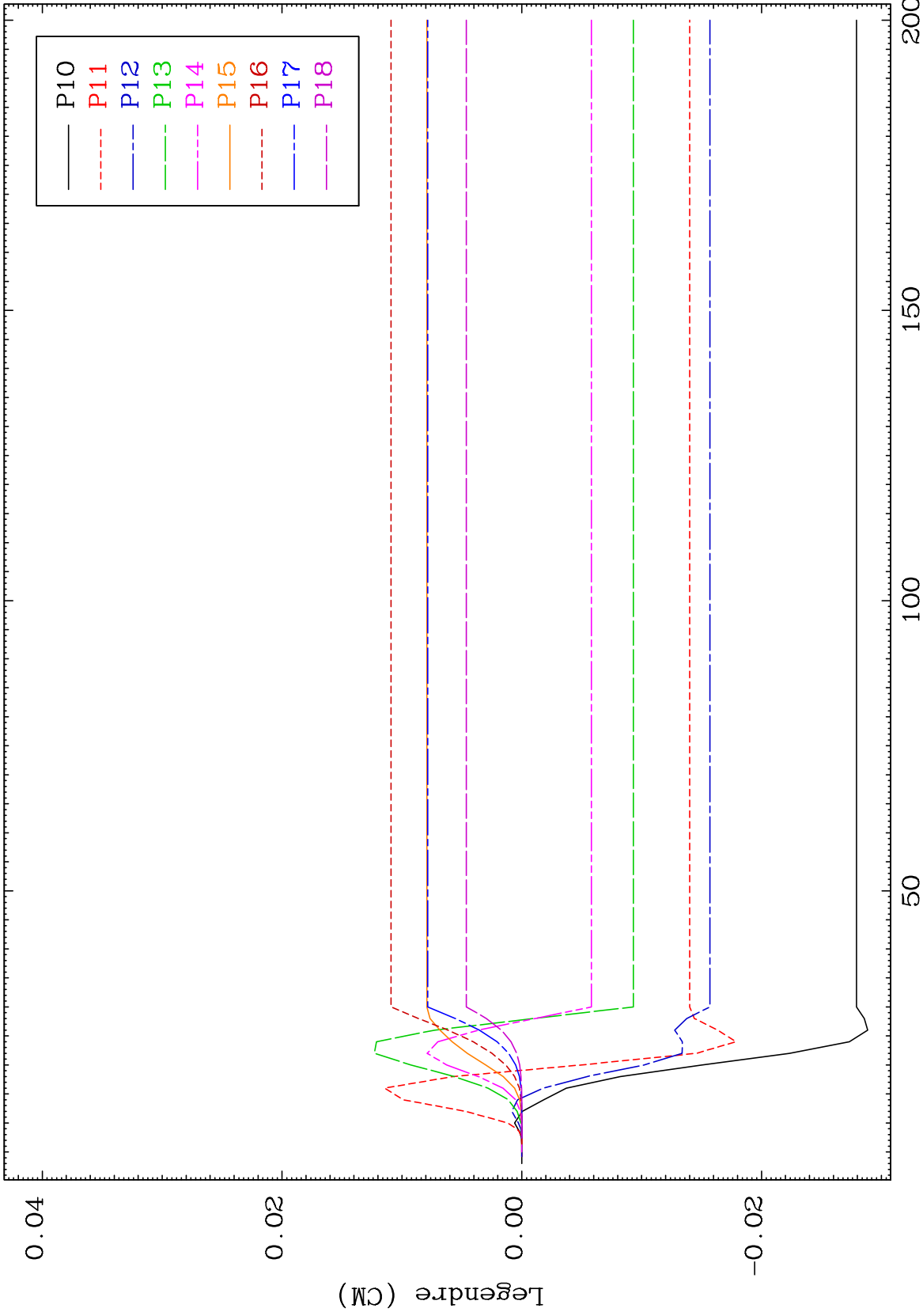
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



84

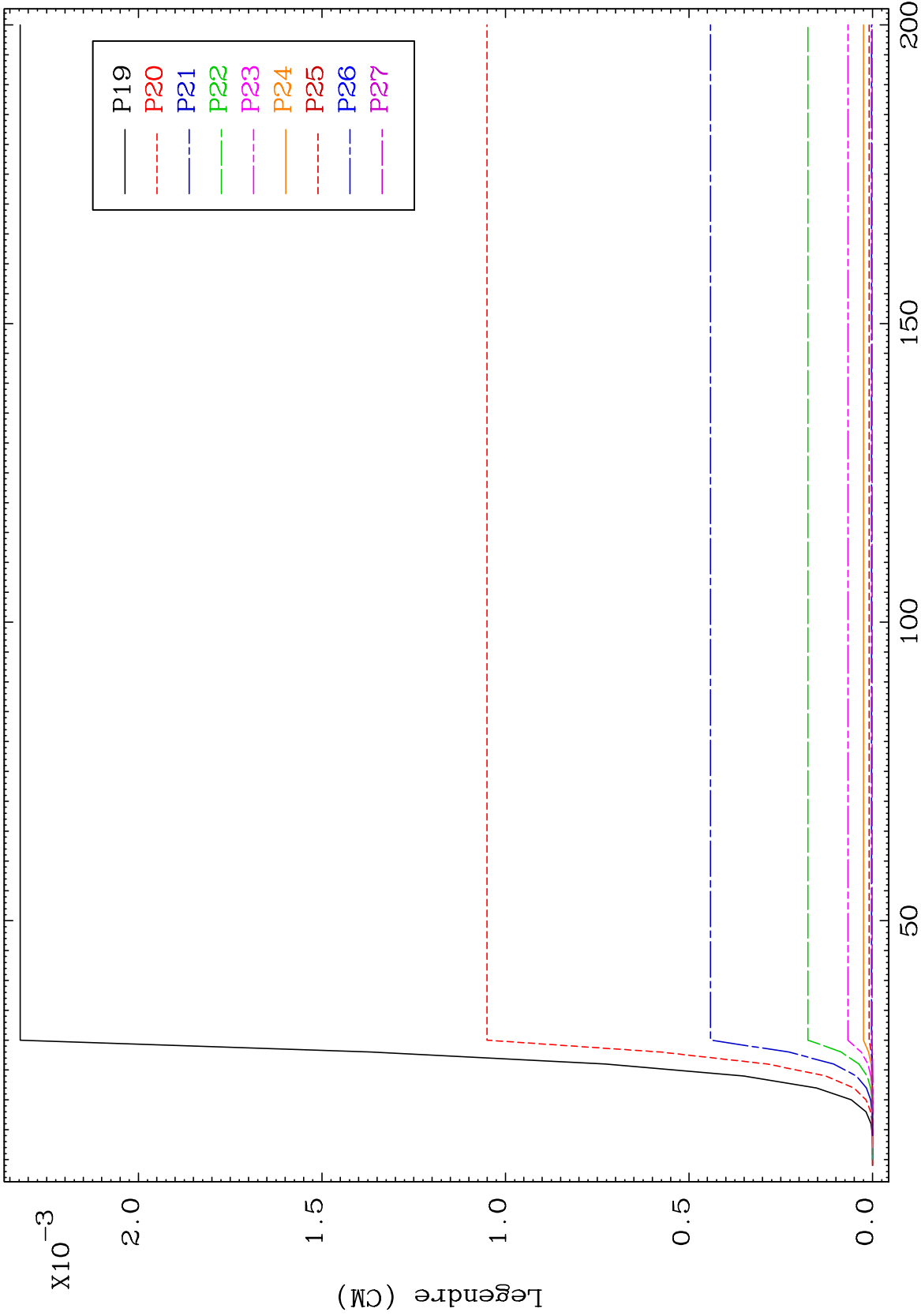
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



85

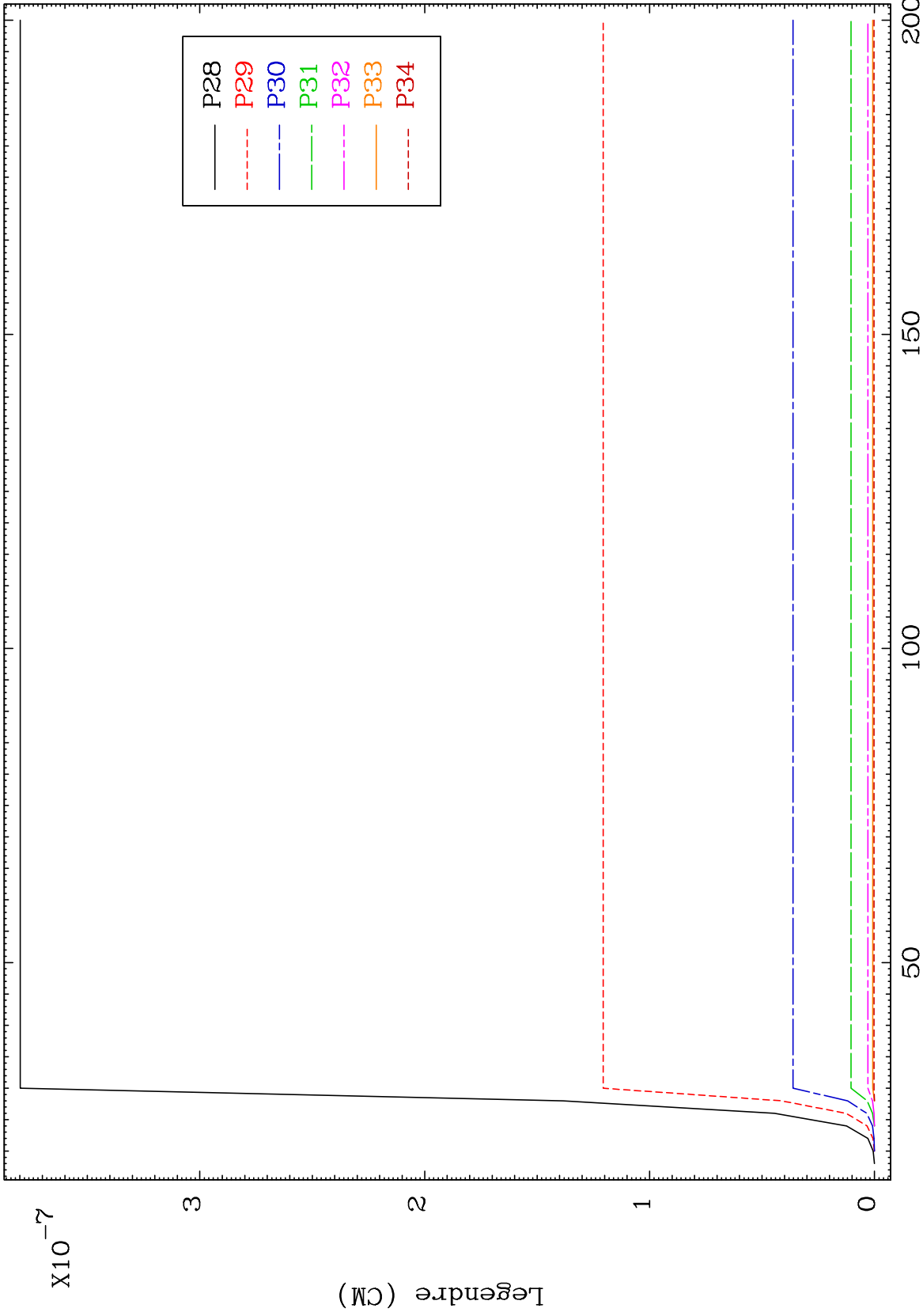
Incident Energy (MeV)

38-Sr-87

MAT 3834

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

38-Sr-87



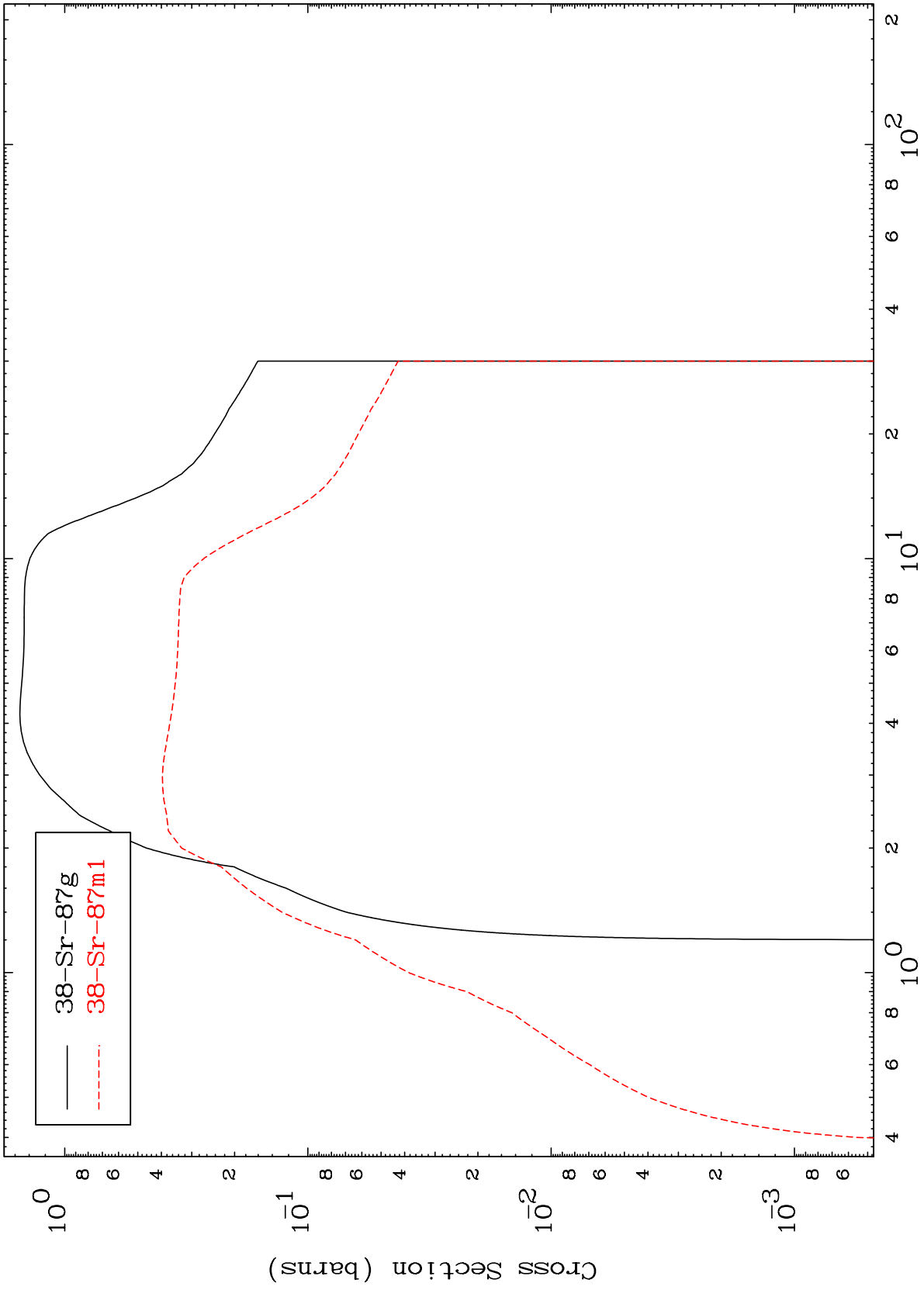
86

38-Sr-87

MAT 3834

38-Sr-87

Inelastic
Radionuclide Production Cross Section



87

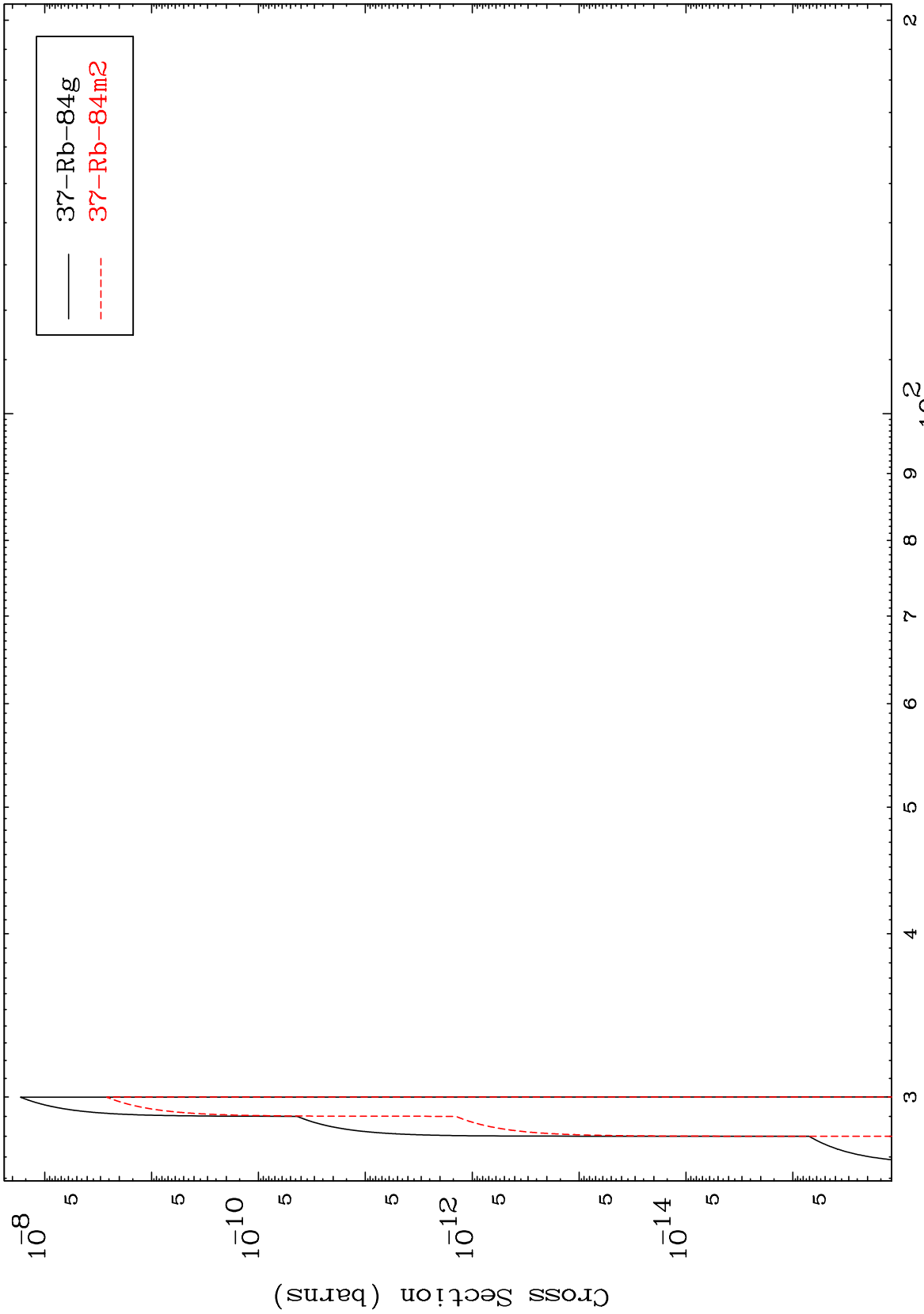
38-Sr-87

MAT 3834

(n,2n) d

38-Sr-87

Radionuclide Production Cross Section



37-Rb-84g
37-Rb-84m2

88

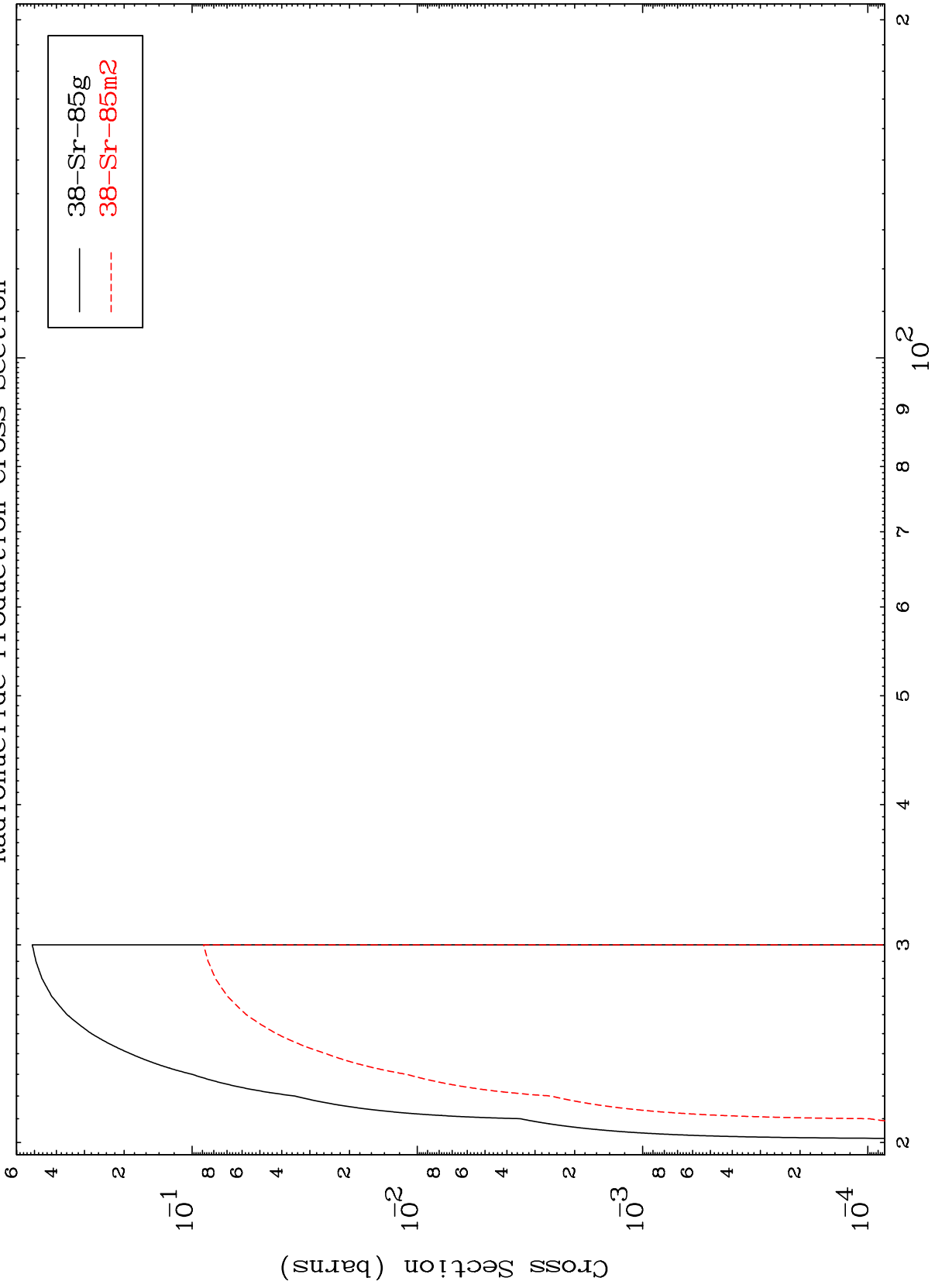
Incident Energy (MeV)

38-Sr-87

MAT 3834

38-Sr-87

(n,3n)
Radionuclide Production Cross Section



89

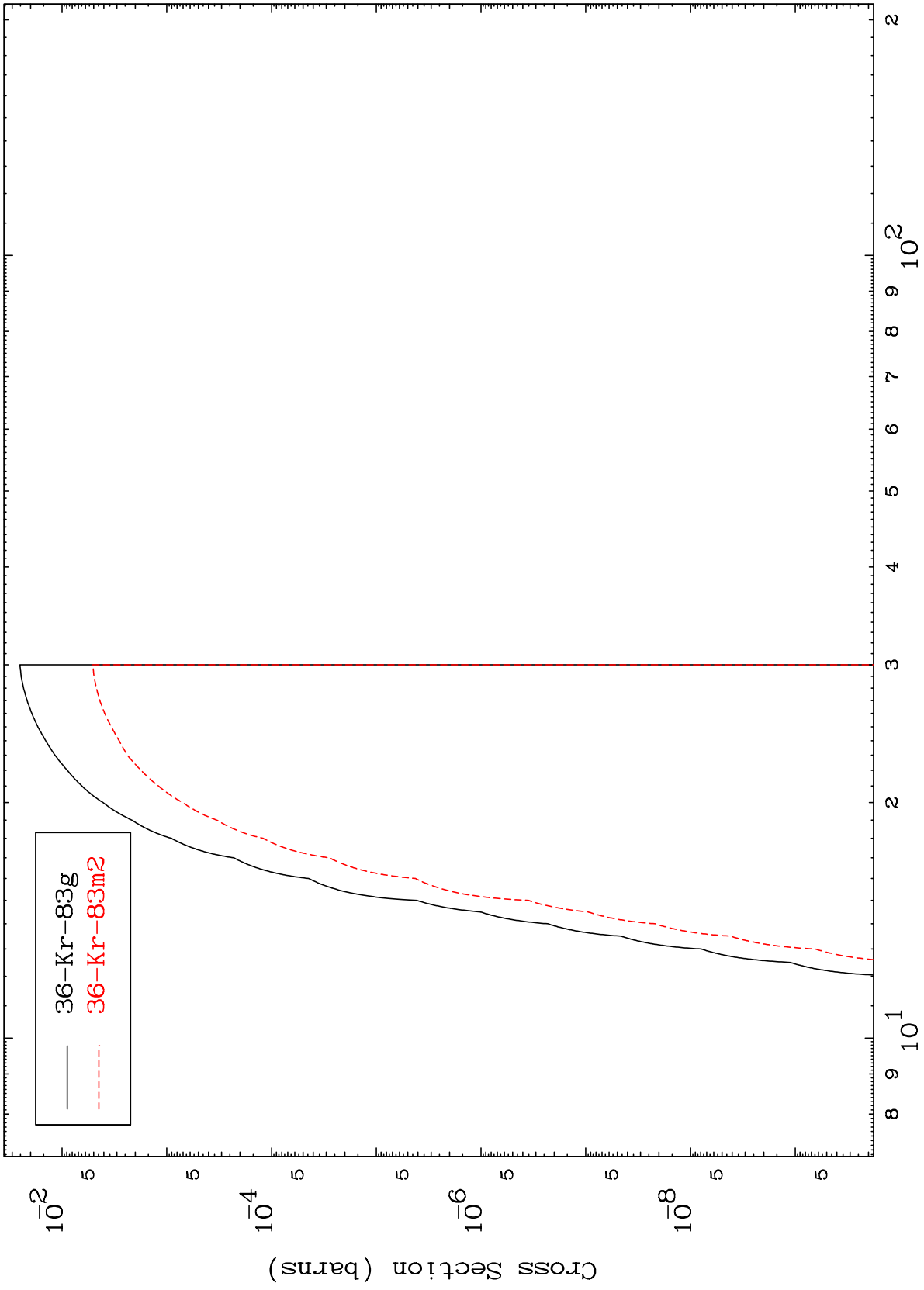
Incident Energy (MeV)

38-Sr-87

MAT 3834

38-Sr-87

(n,n') α
Radionuclide Production Cross Section



90

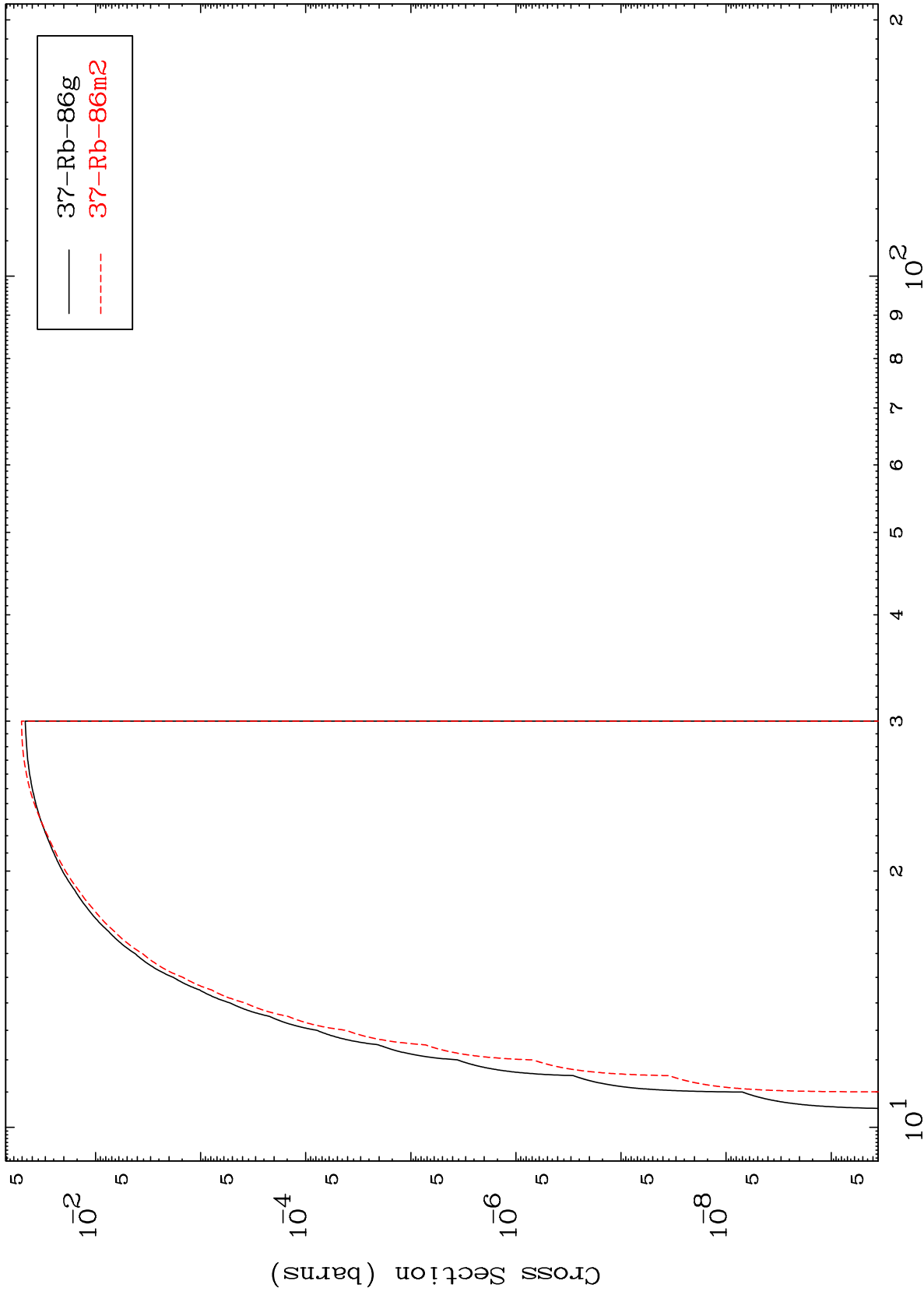
38-Sr-87

MAT 3834

(n,n') p

38-Sr-87

Radionuclide Production Cross Section



91

Incident Energy (MeV)

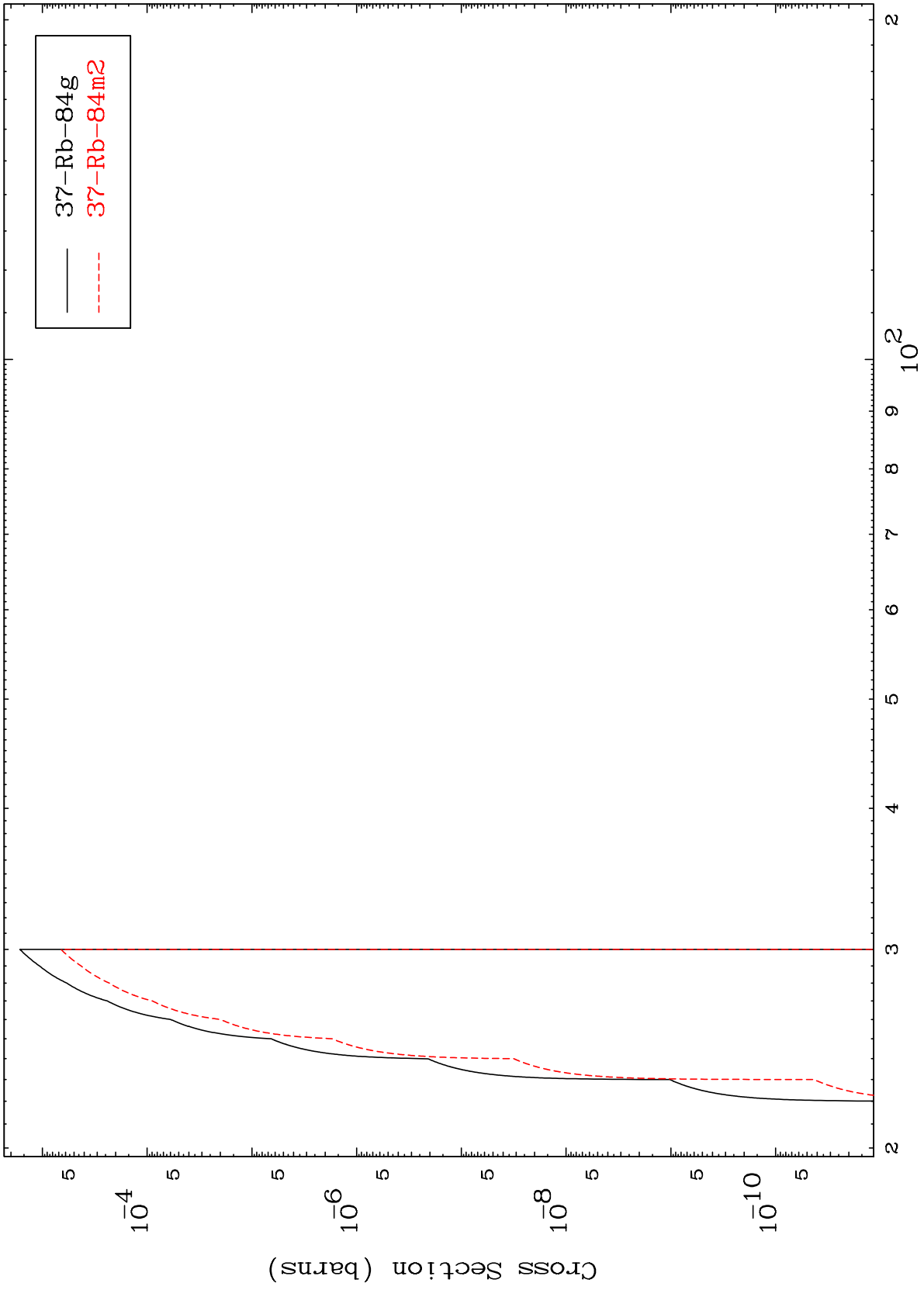
38-Sr-87

MAT 3834

(n,n') t

38-Sr-87

Radionuclide Production Cross Section



92

Incident Energy (MeV)

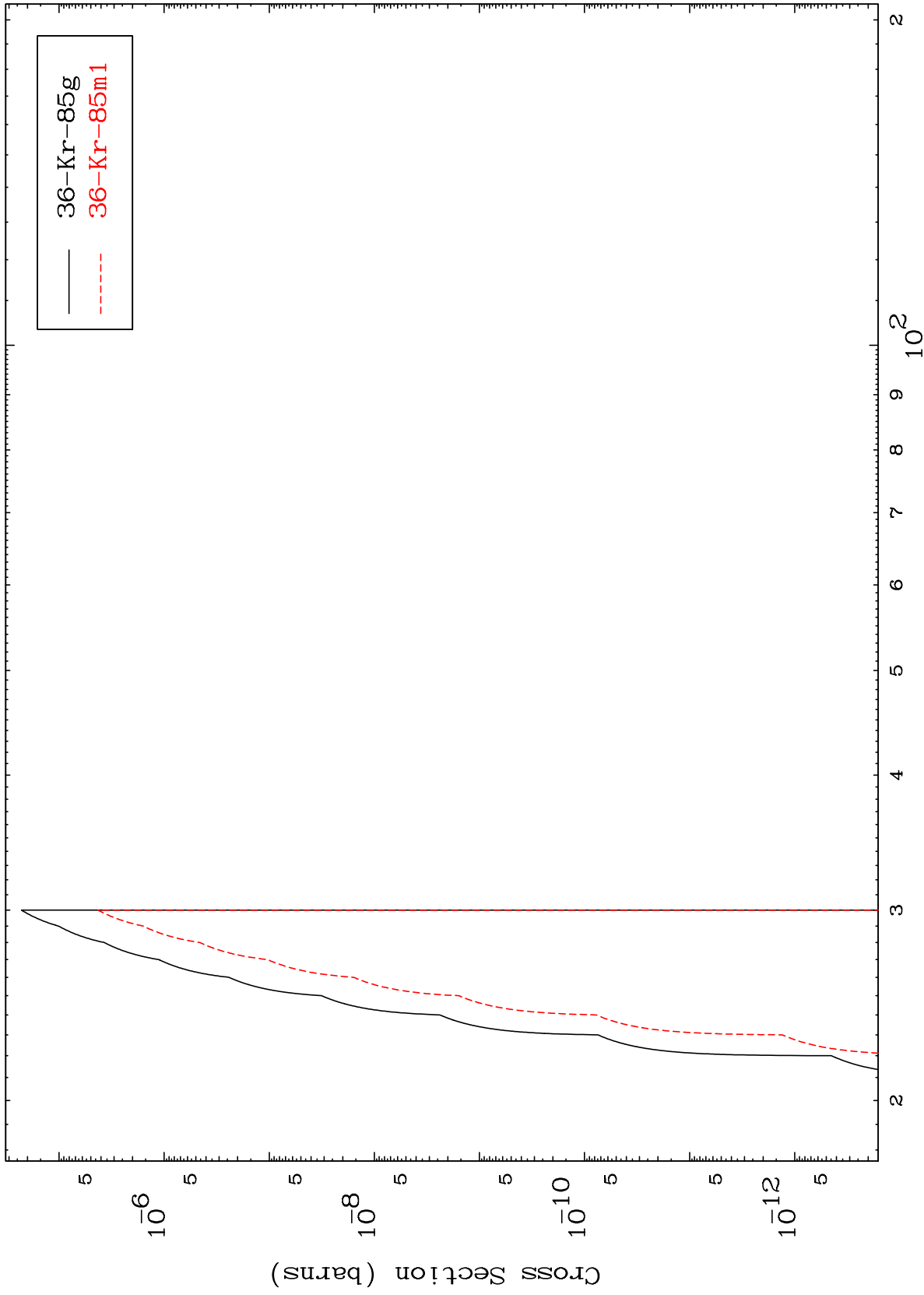
38-Sr-87

MAT 3834

(n,2n) p

38-Sr-87

Radionuclide Production Cross Section

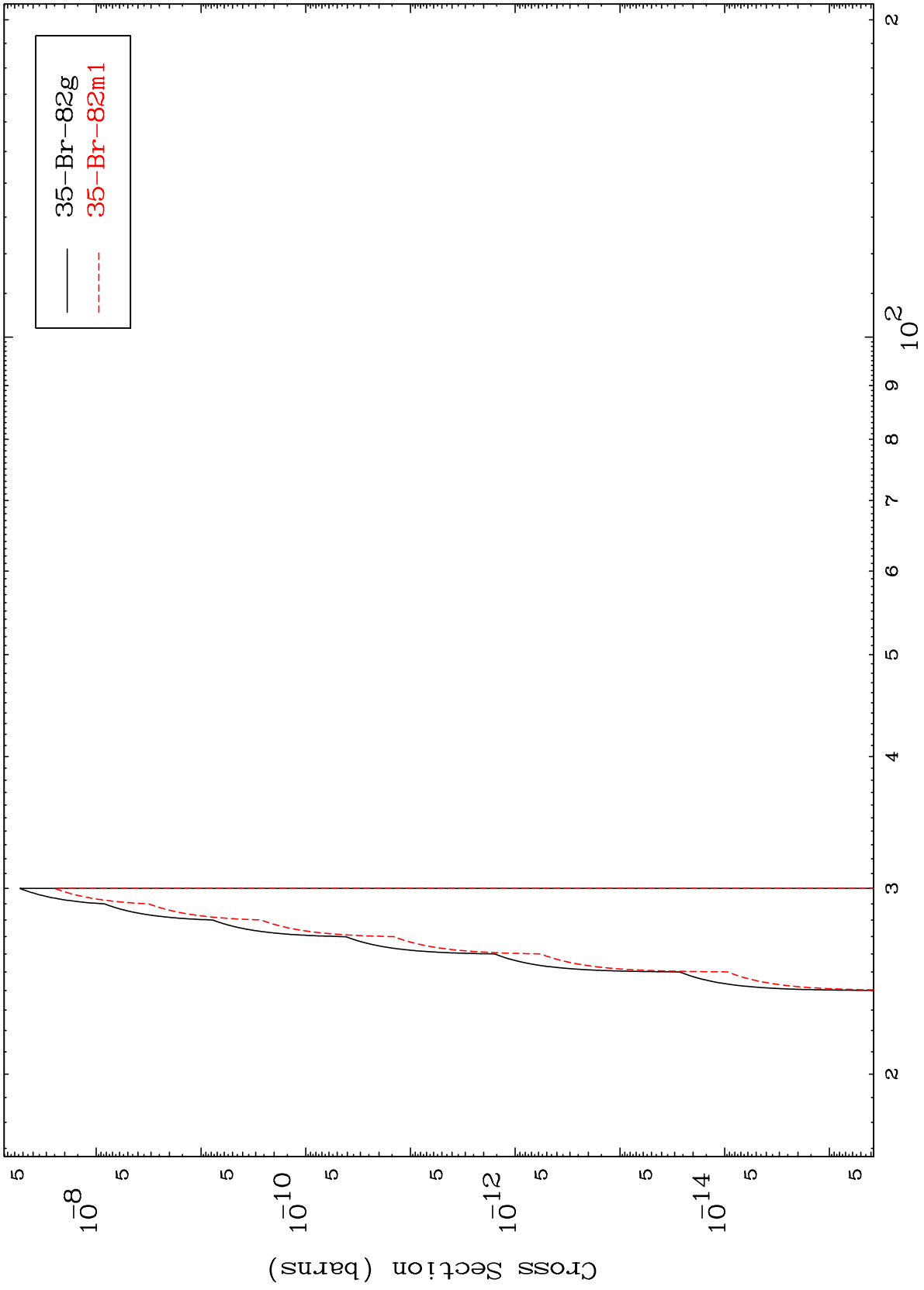


93

Incident Energy (MeV)

38-Sr-87

(n,n') p α
Radionuclide Production Cross Section

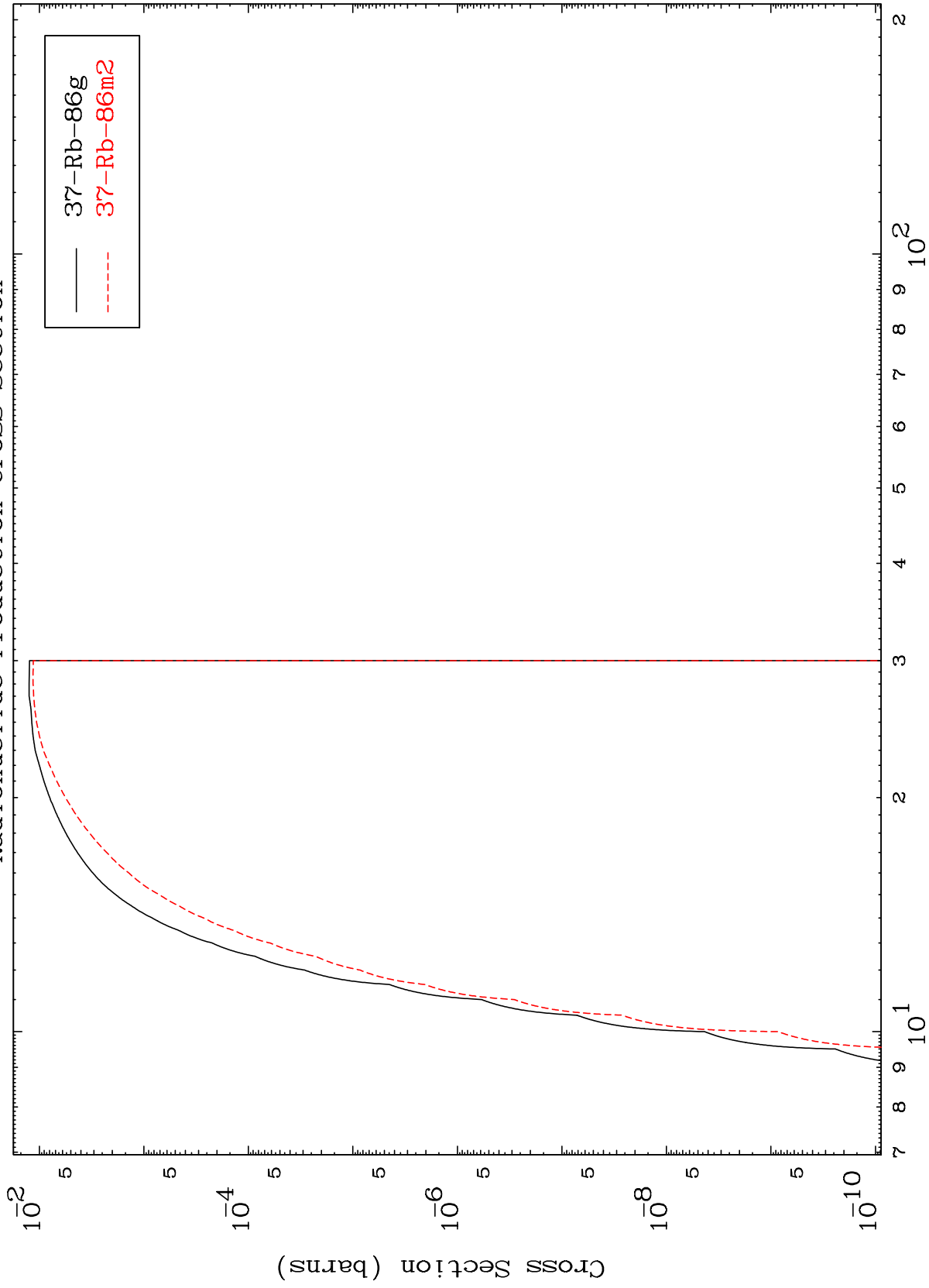


MAT 3834

(n,d)

38-Sr-87

Radionuclide Production Cross Section



95

Incident Energy (MeV)

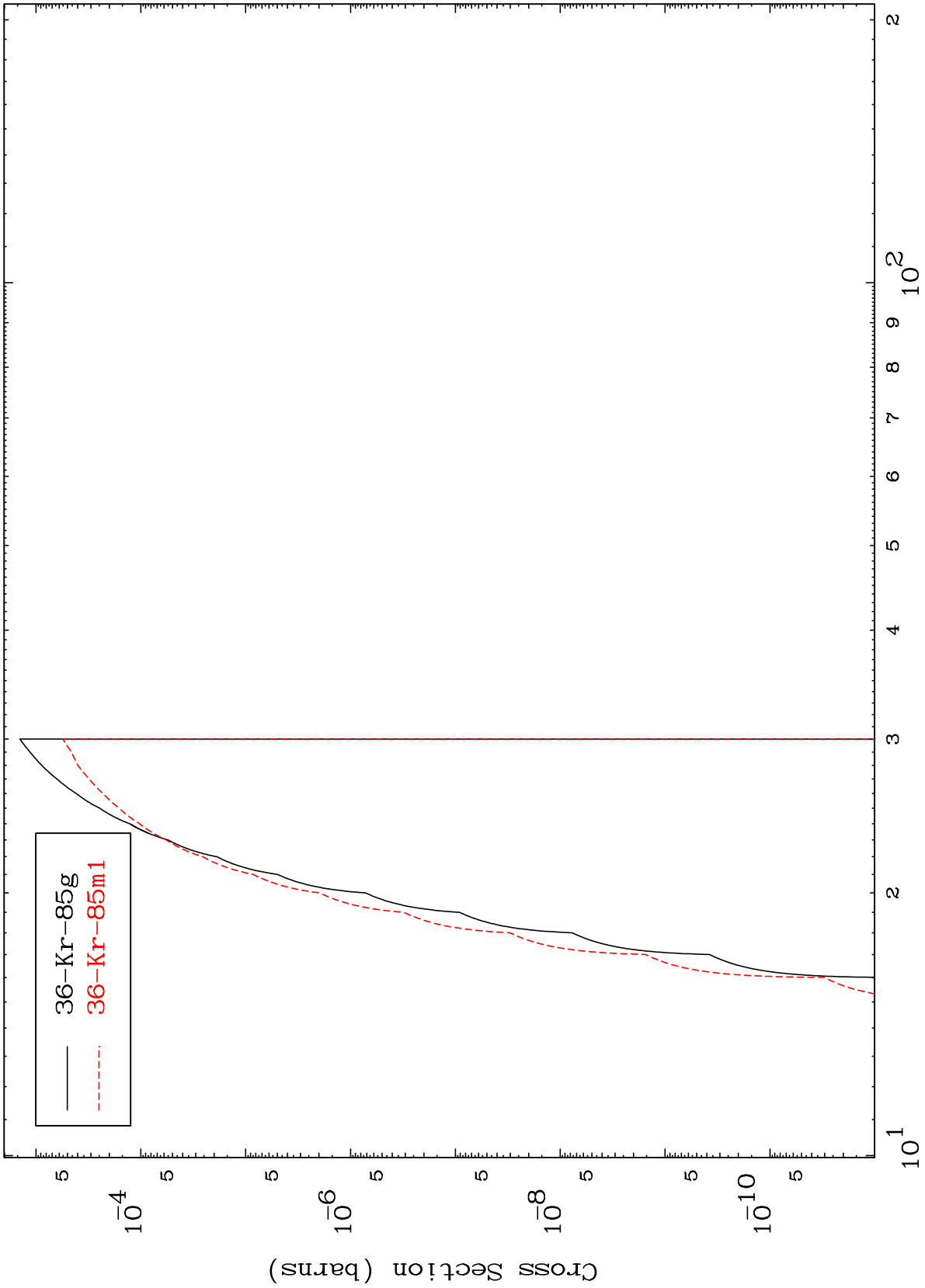
38-Sr-87

MAT 3834

(n,He-3)

38-Sr-87

Radionuclide Production Cross Section



96

Incident Energy (MeV)

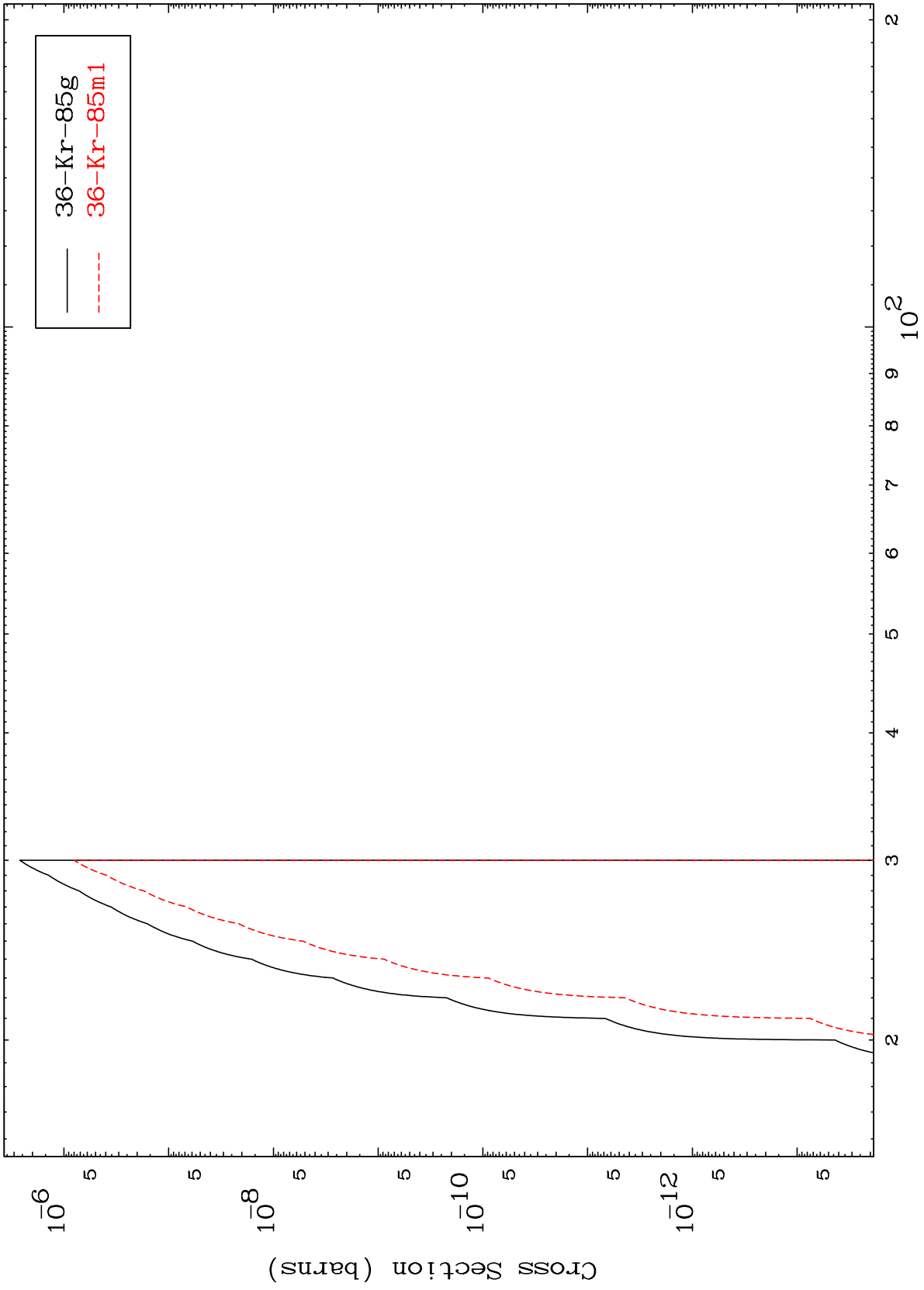
38-Sr-87

MAT 3834

(n,p) d

38-Sr-87

Radionuclide Production Cross Section



97

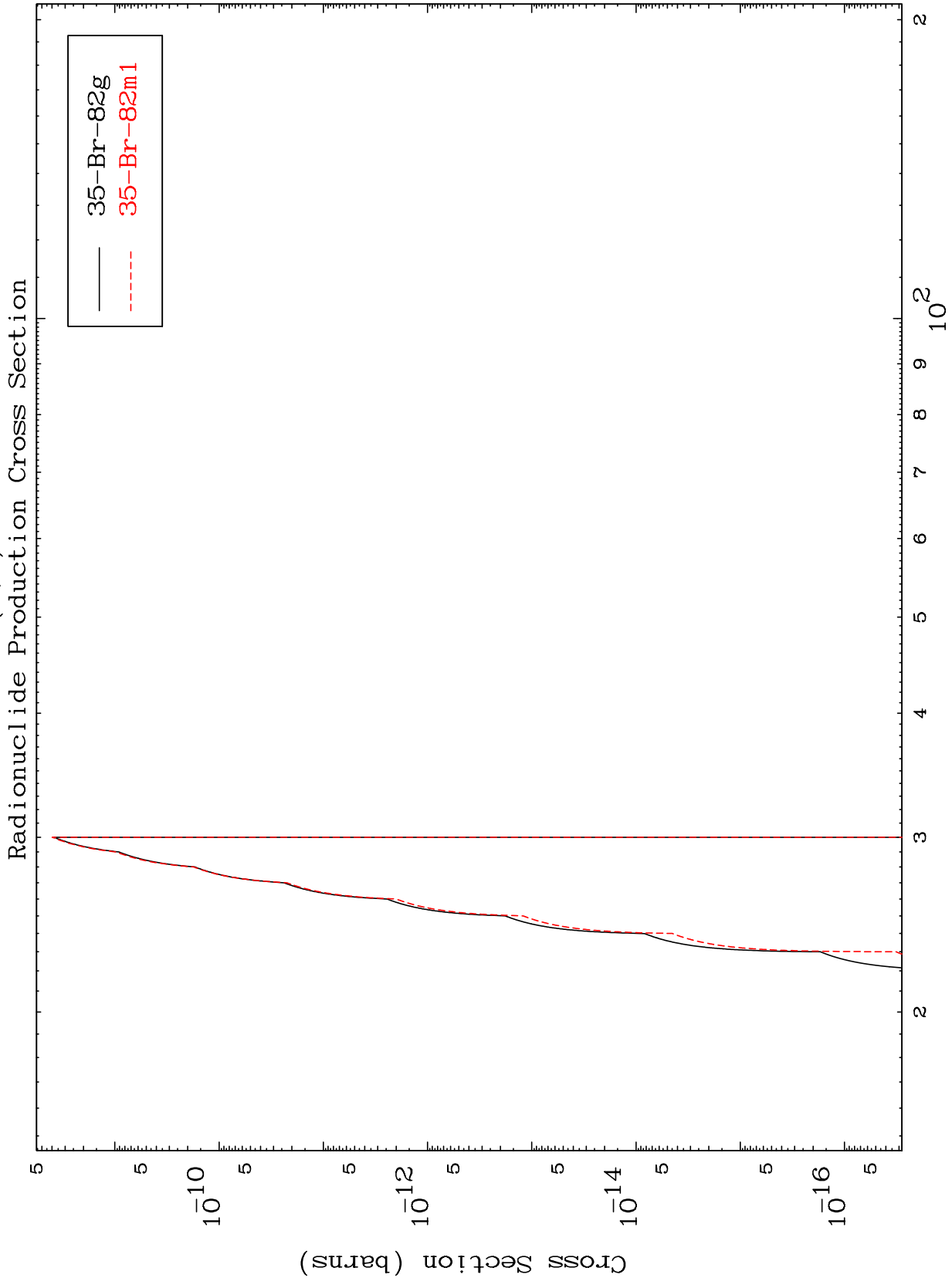
Incident Energy (MeV)

38-Sr-87

MAT 3834

(n,d) α

38-Sr-87



98

Incident Energy (MeV)

38-Sr-87