

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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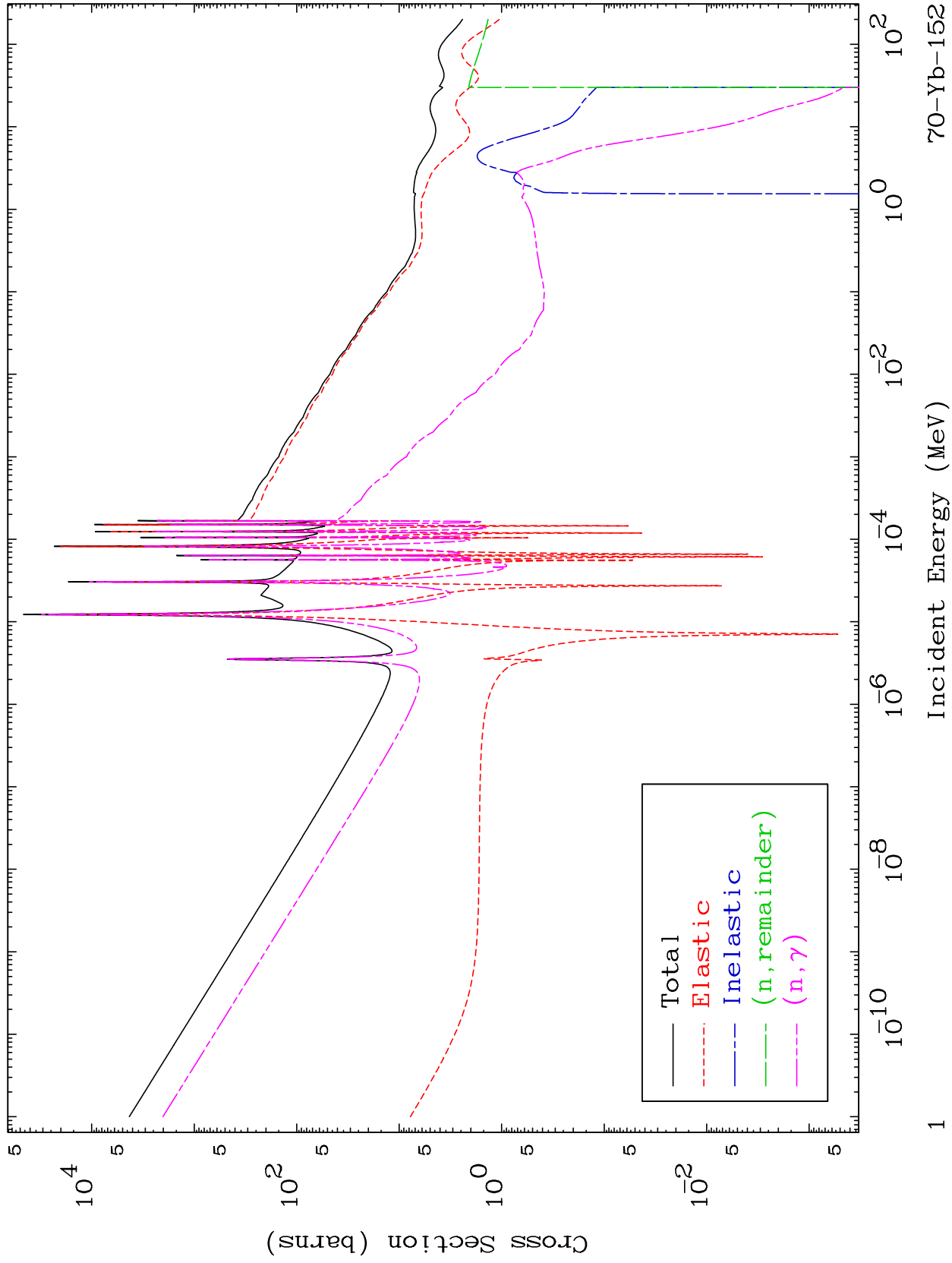
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6977

Major
293 Kelvin Cross Sections

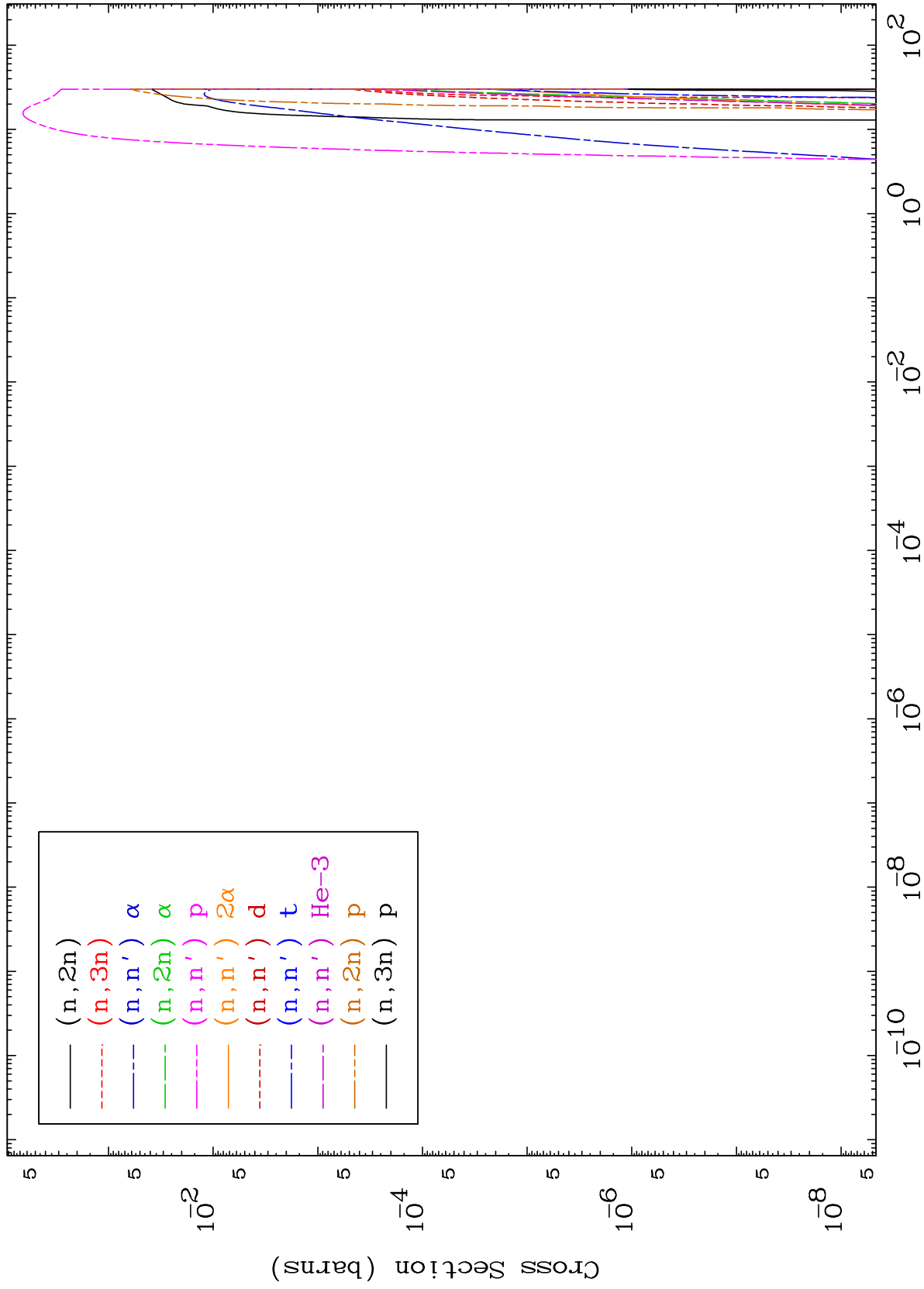
70-Yb-152



MAT 6977

Neutron Production
293 Kelvin Cross Sections

70-Yb-152



2

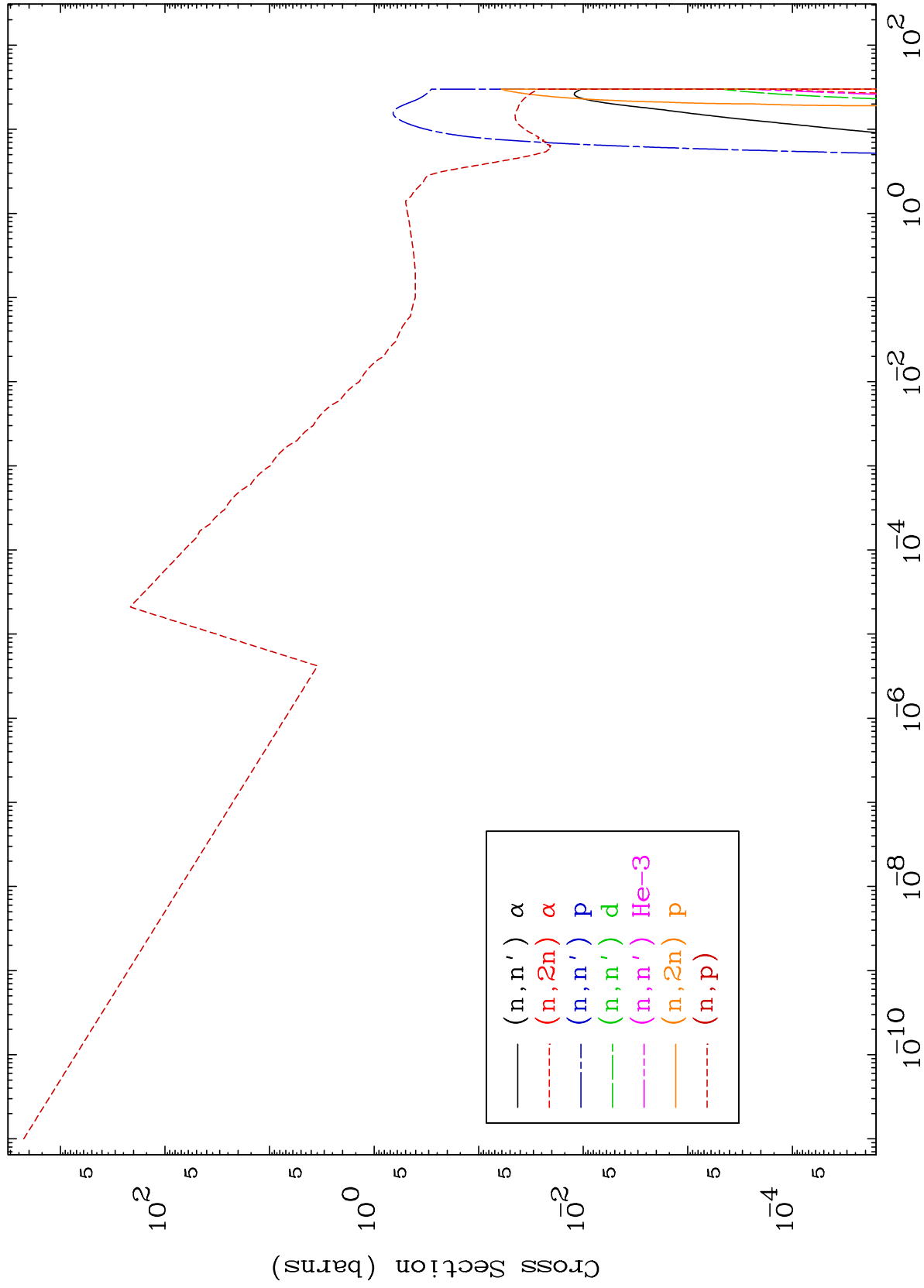
Incident Energy (MeV)

70-Yb-152

MAT 6977

Charged Particle
293 Kelvin Cross Sections

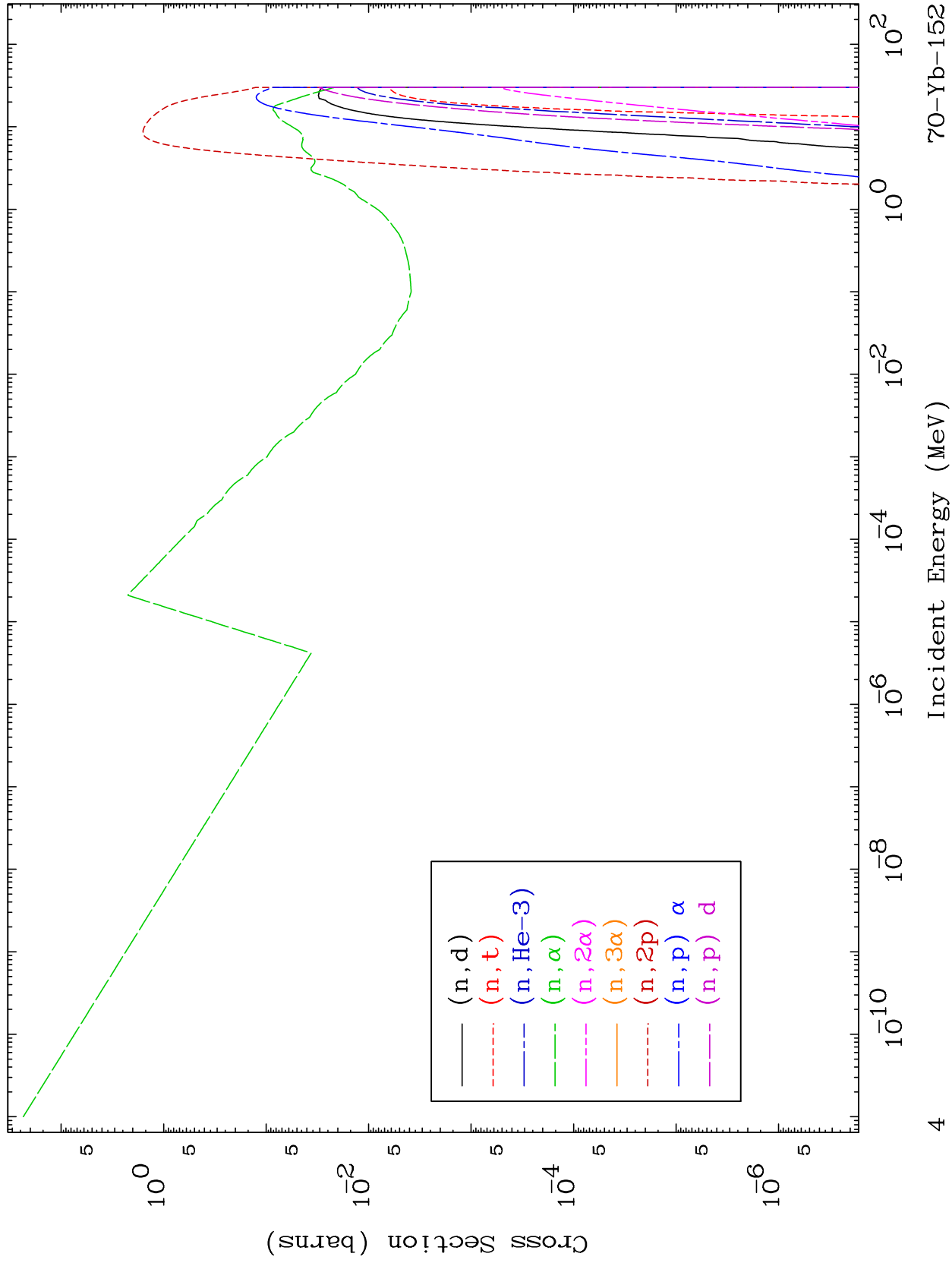
70-Yb-152



MAT 6977

Charged Particle
293 Kelvin Cross Sections

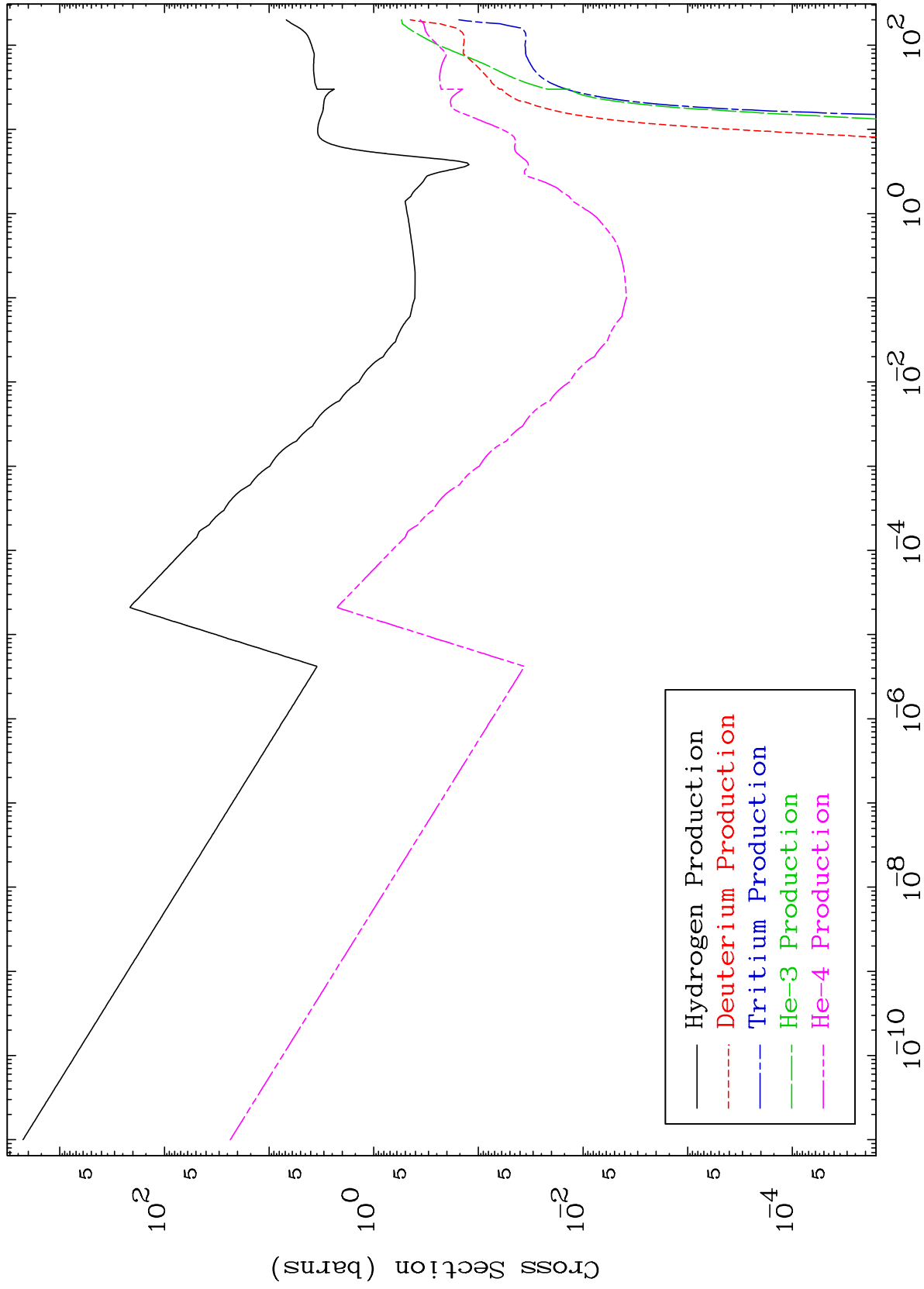
70-Yb-152



MAT 6977

Particle Production
293 Kelvin Cross Sections

70-Yb-152

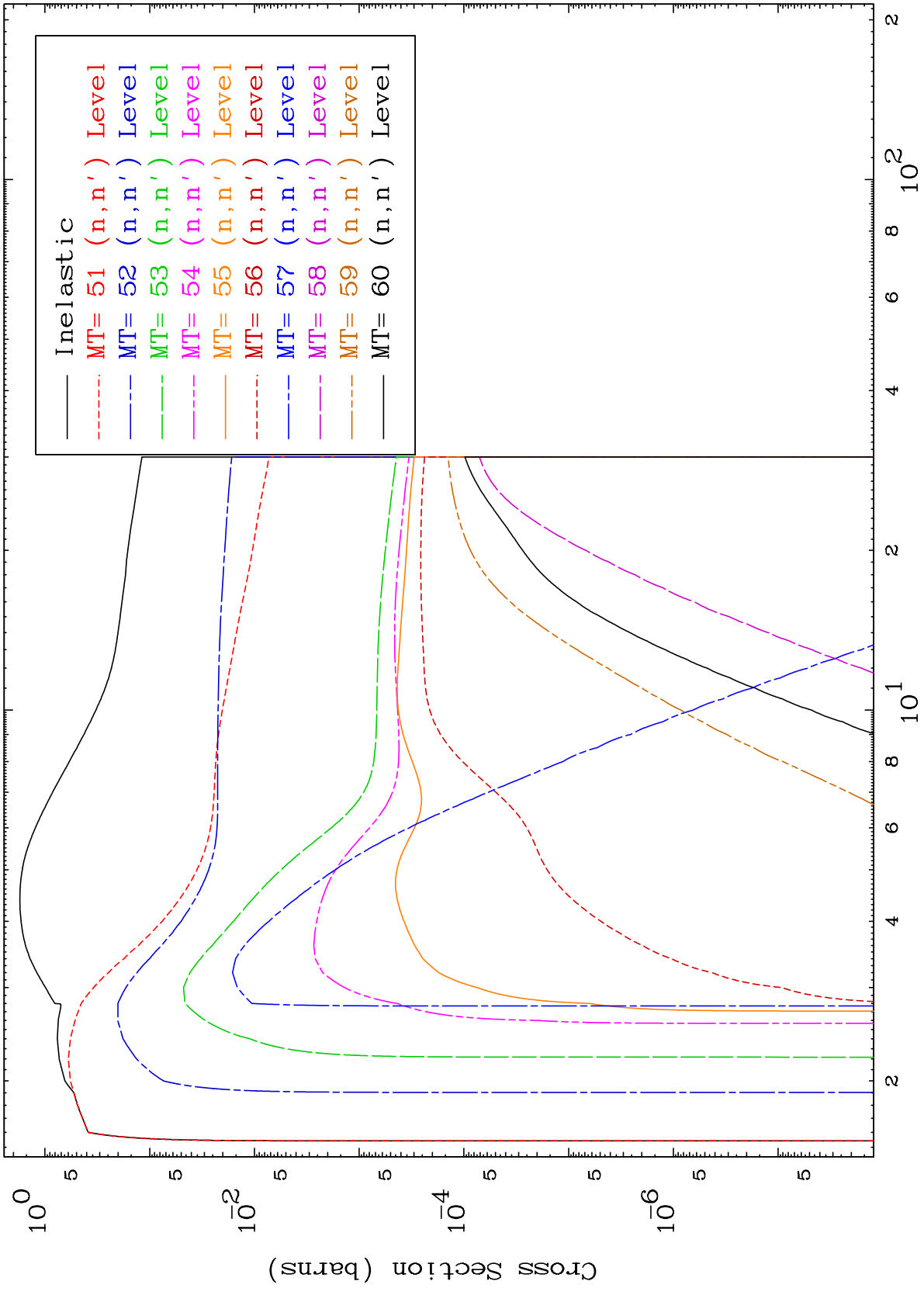


MAT 6977

(n,n') Level

70-Yb-152

293 Kelvin Cross Sections



6

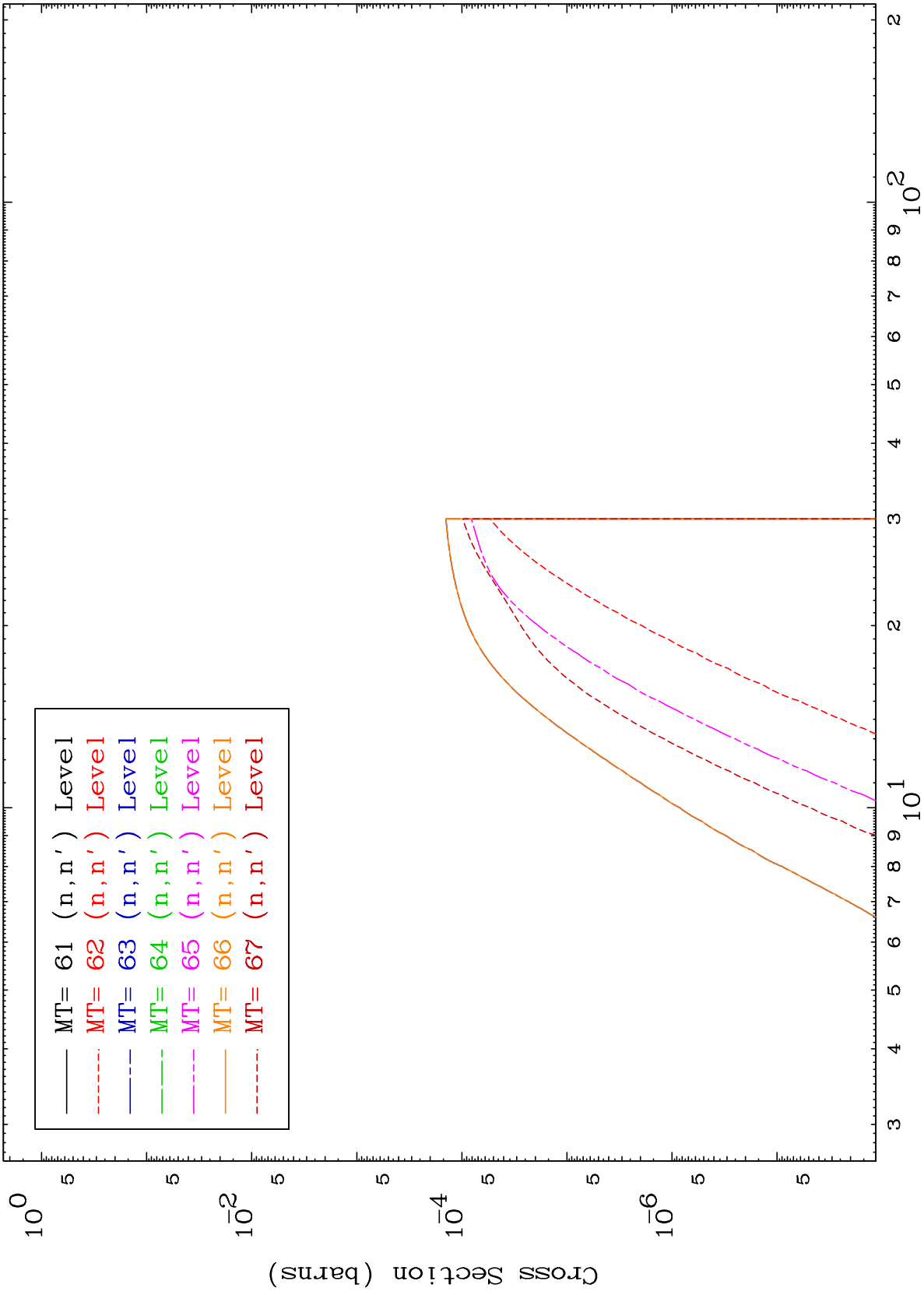
Incident Energy (MeV)

70-Yb-152

MAT 6977

(n,n') Level
293 Kelvin Cross Sections

70-Yb-152



7

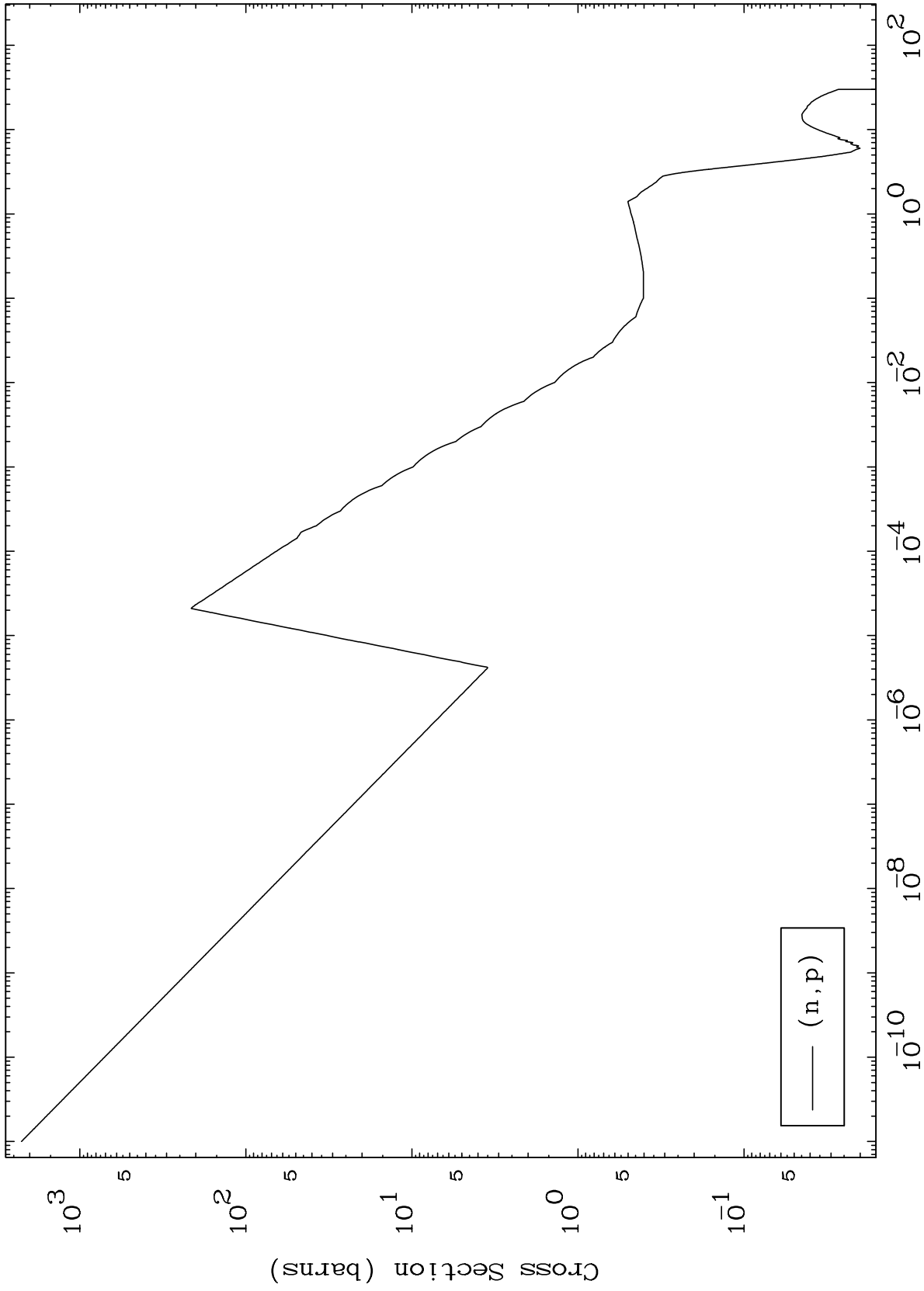
Incident Energy (MeV)

70-Yb-152

MAT 6977

(n,p) Levels
293 Kelvin Cross Sections

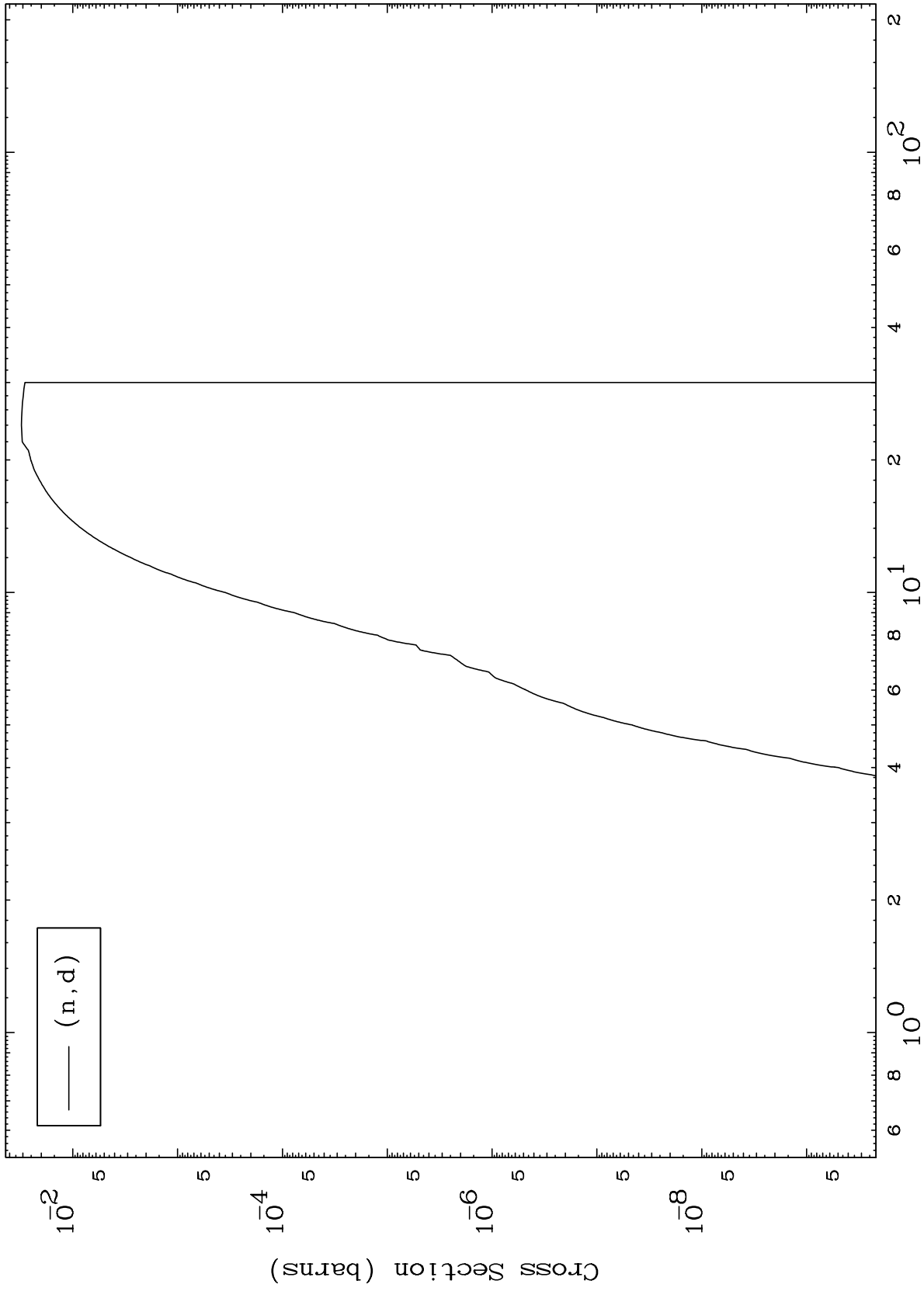
70-Yb-152



MAT 6977

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-152



9

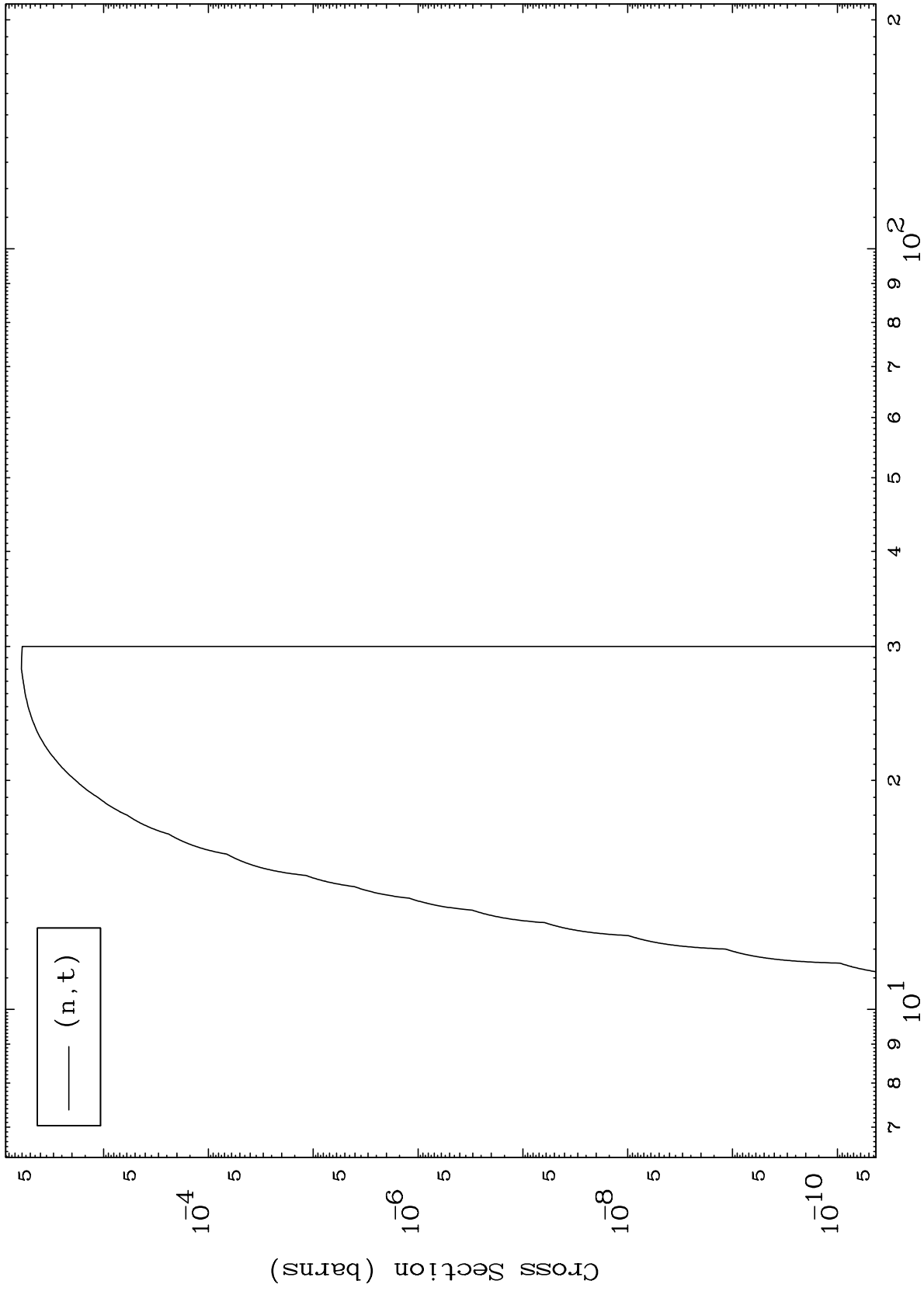
Incident Energy (MeV)

70-Yb-152

MAT 6977

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-152



10

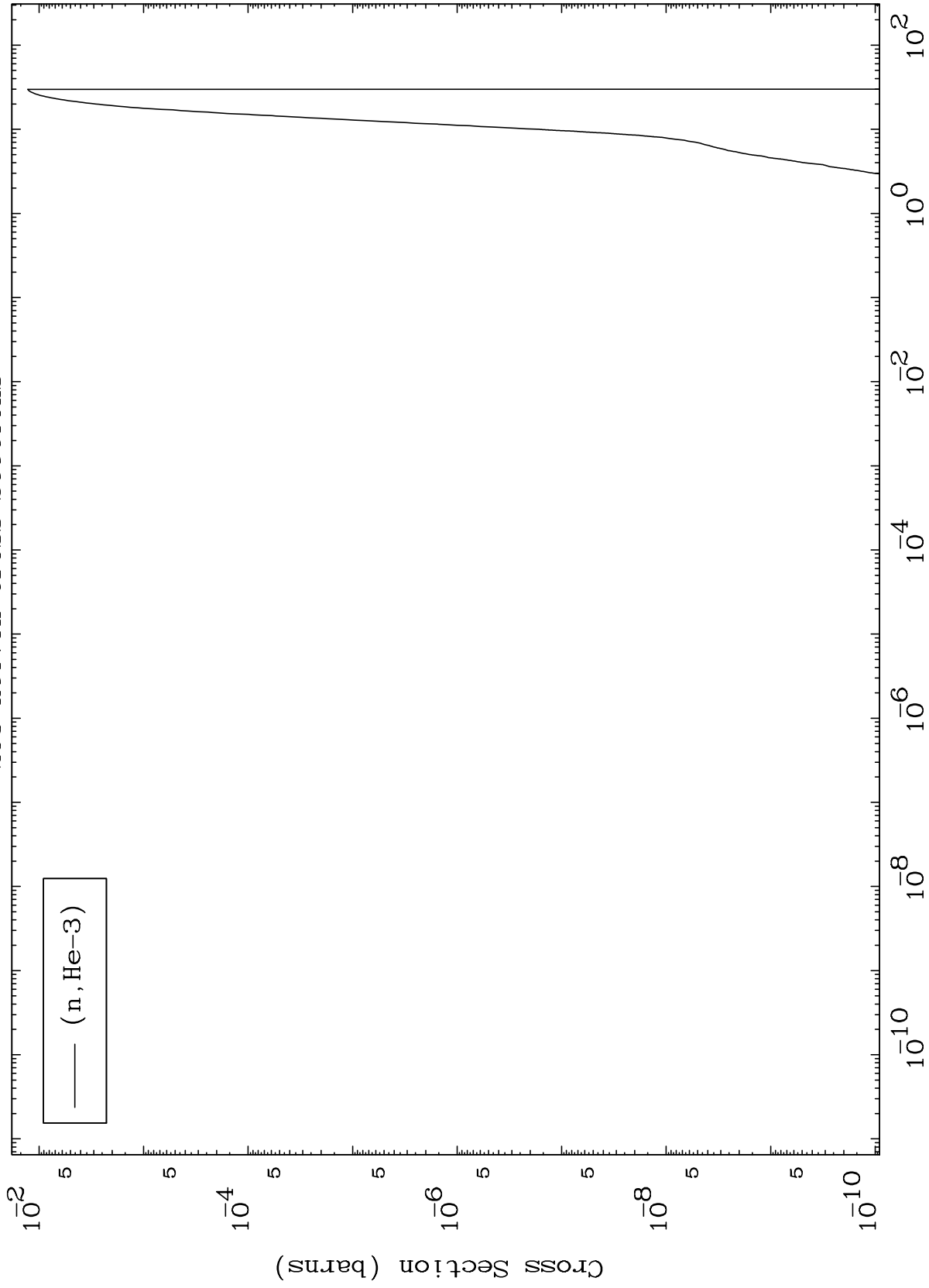
Incident Energy (MeV)

70-Yb-152

MAT 6977

(n,He3) Levels
293 Kelvin Cross Sections

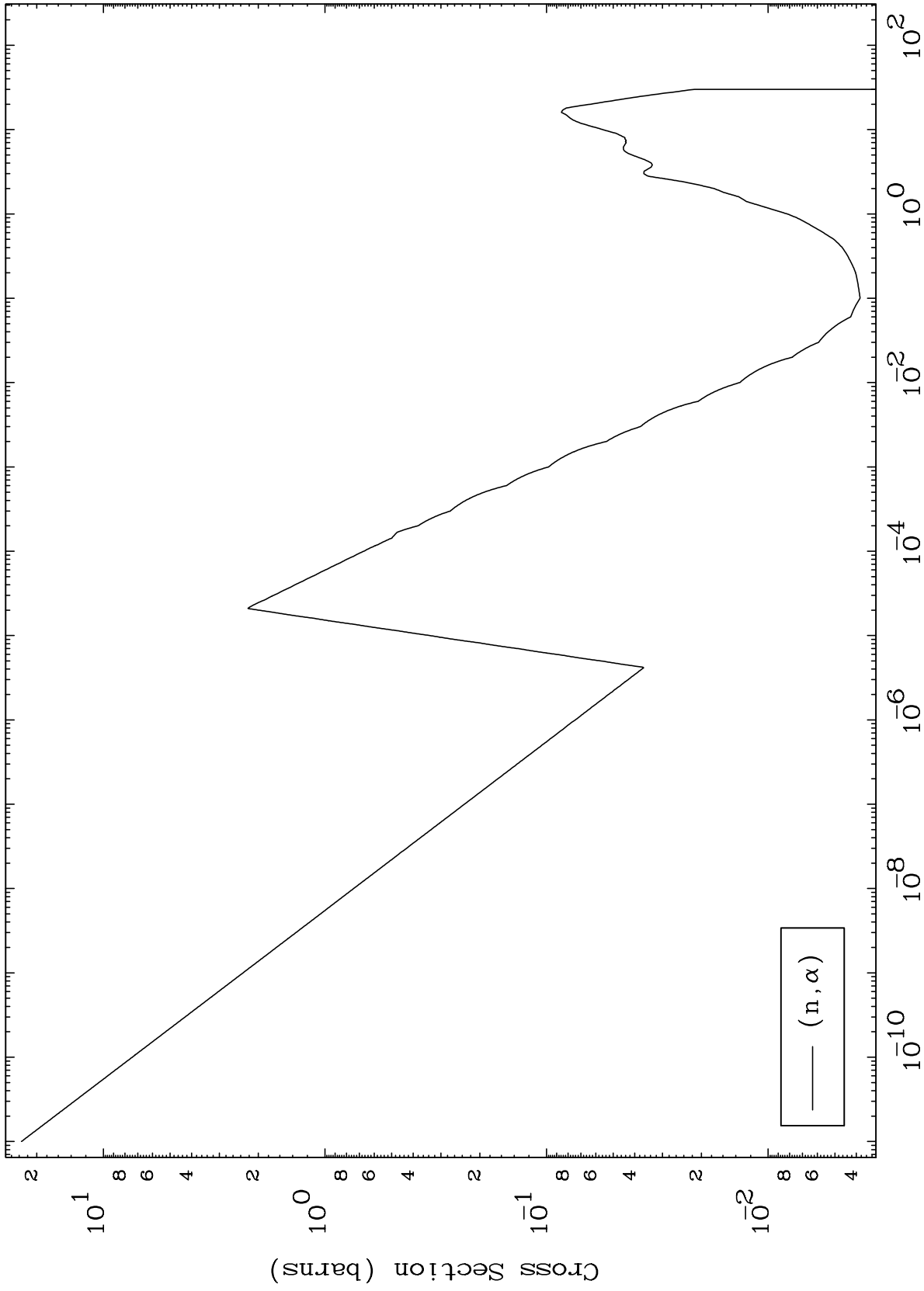
70-Yb-152



MAT 6977

(n, α) Levels
293 Kelvin Cross Sections

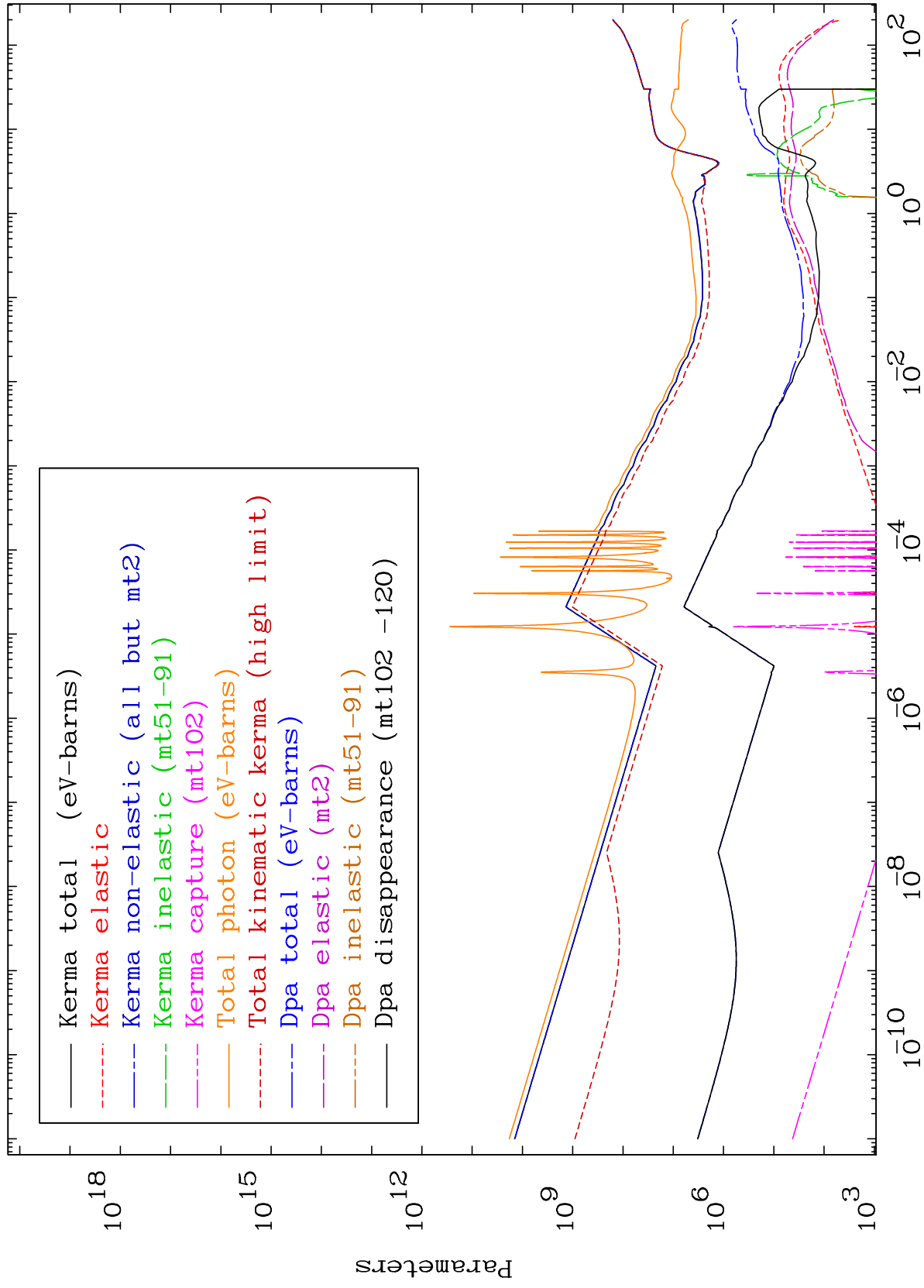
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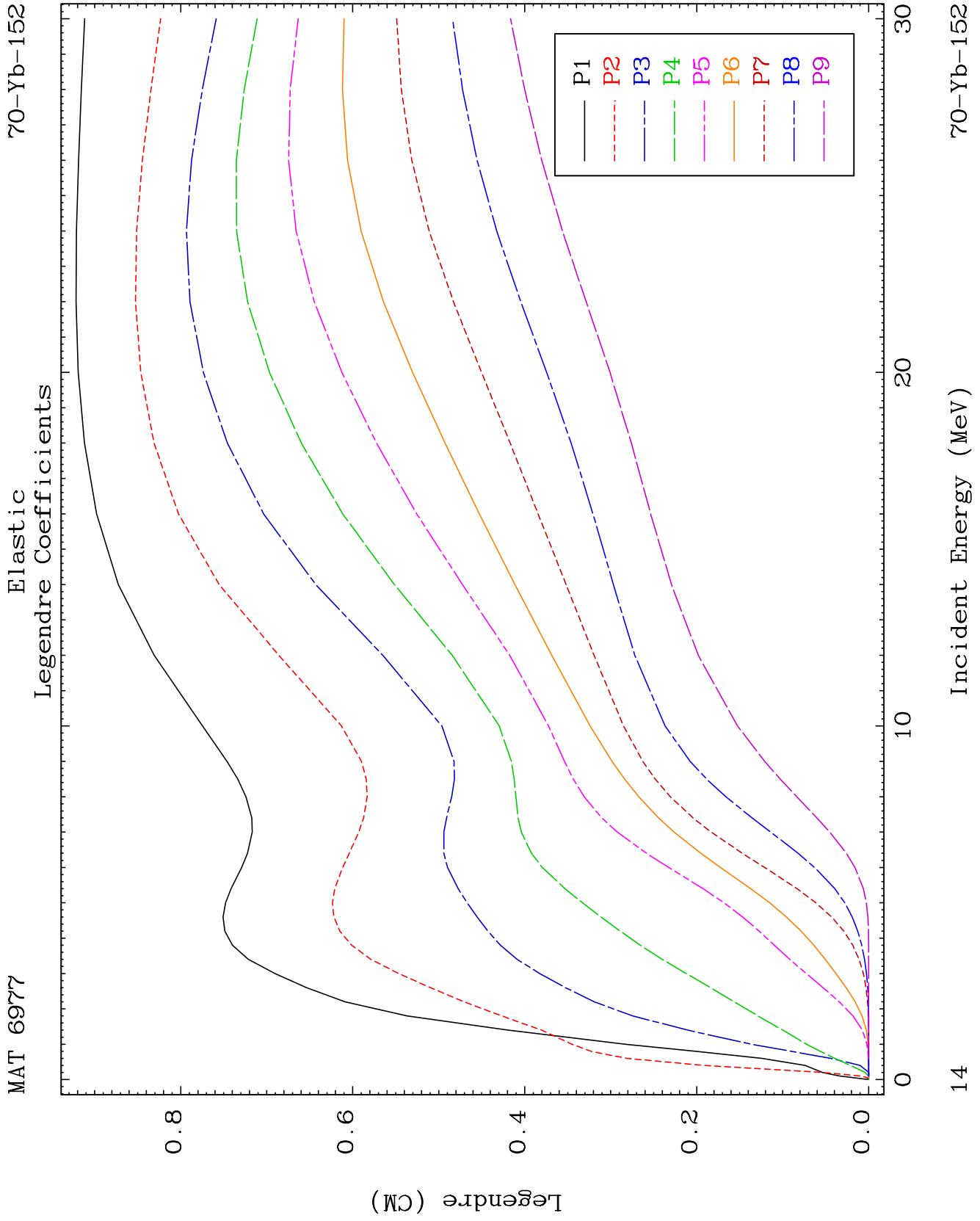


12

Incident Energy (MeV)

70-Yb-152

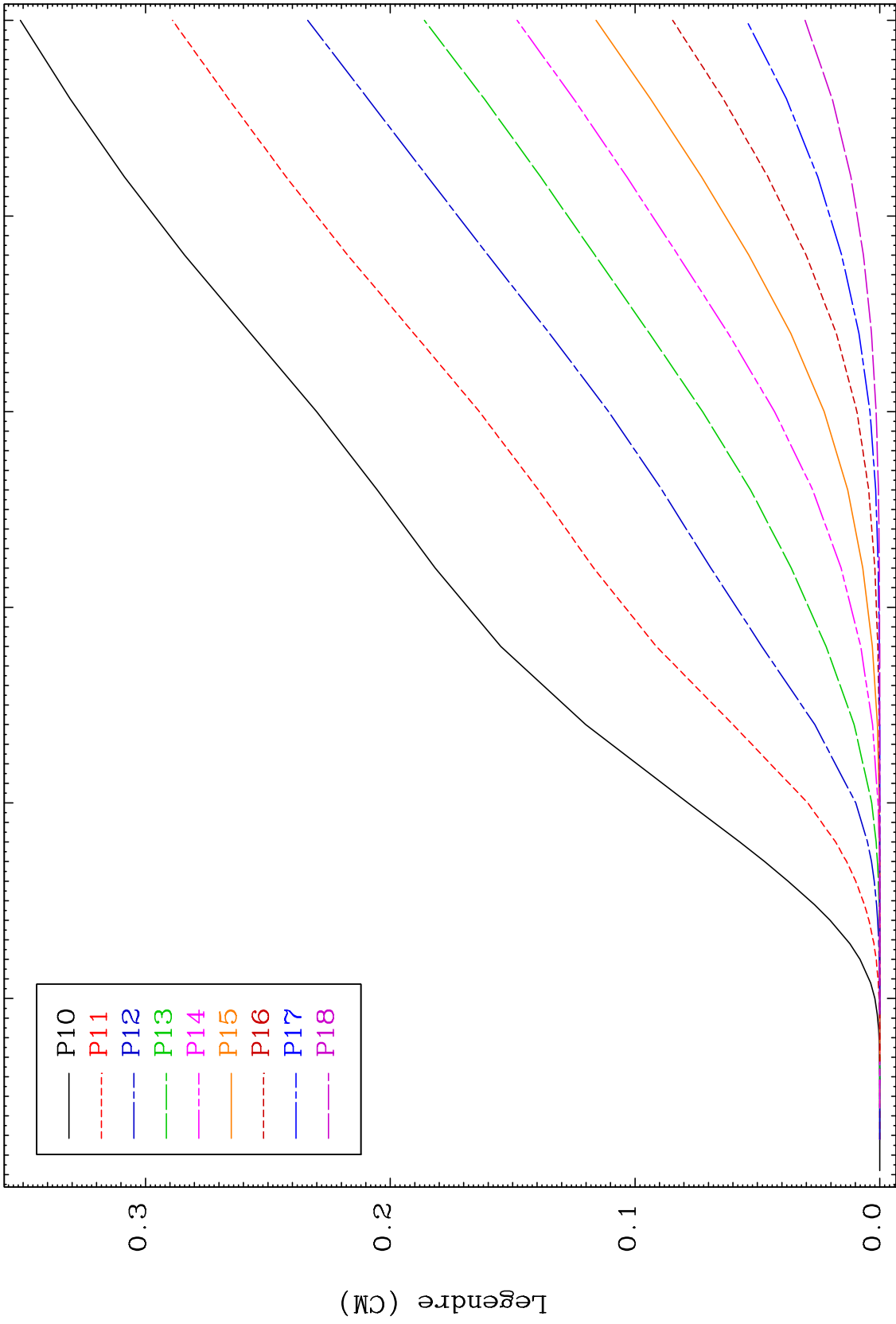




MAT 6977

Elastic
Legendre Coefficients

70-Yb-152



15

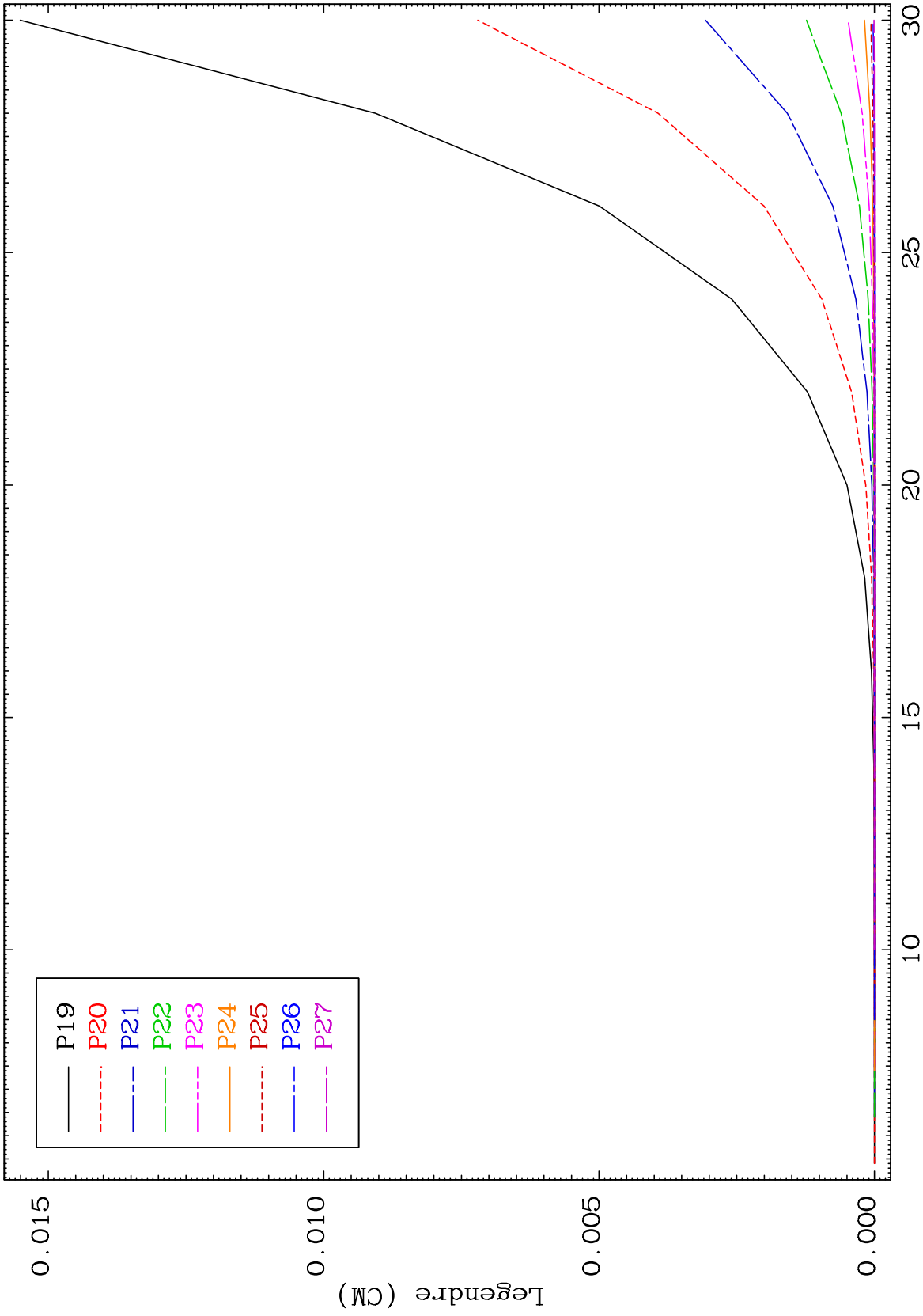
Incident Energy (MeV)

70-Yb-152

MAT 6977

Elastic Legendre Coefficients

70-Yb-152



16

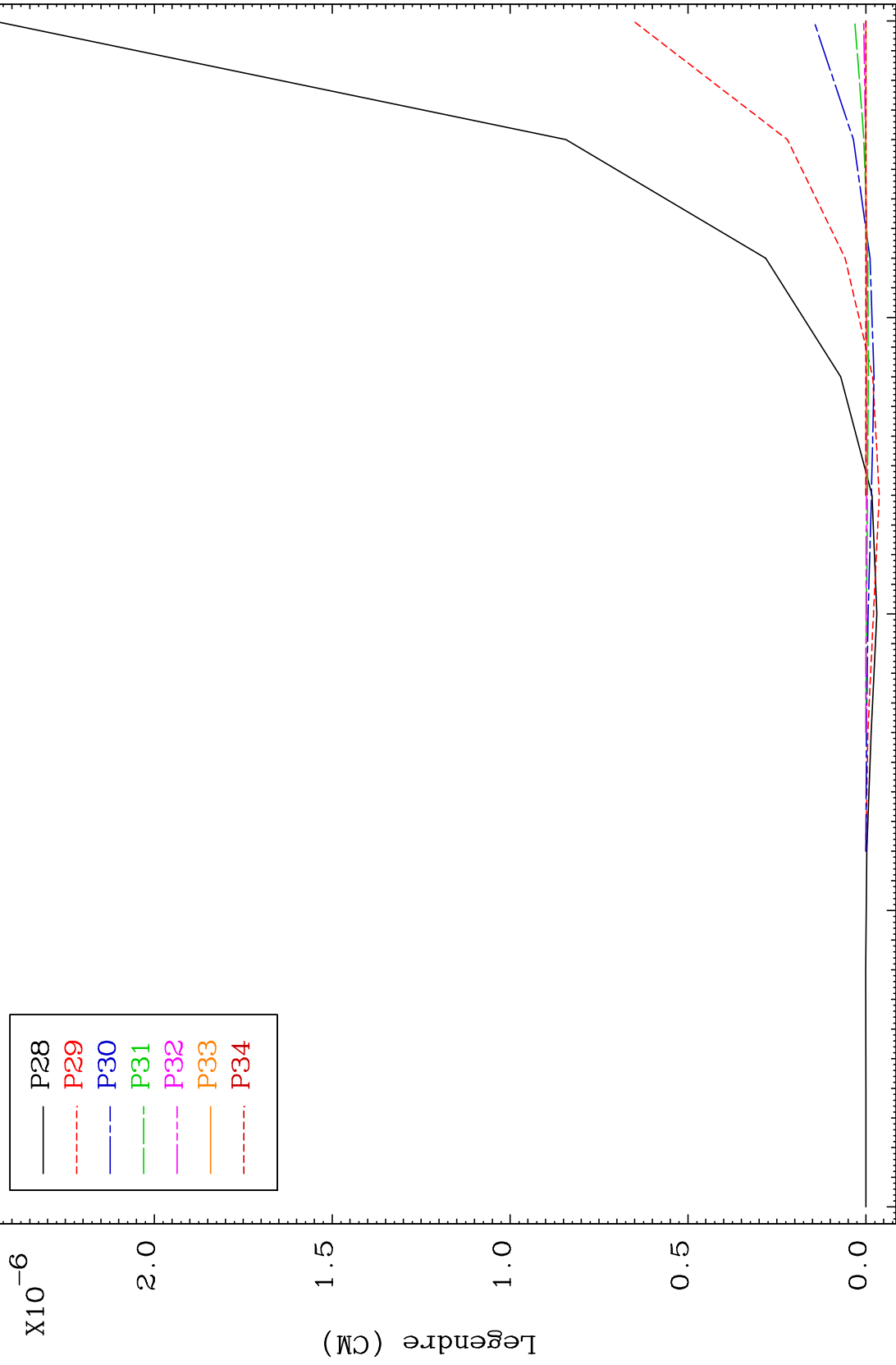
Incident Energy (MeV)

70-Yb-152

MAT 6977

Elastic Legendre Coefficients

70-Yb-152



17

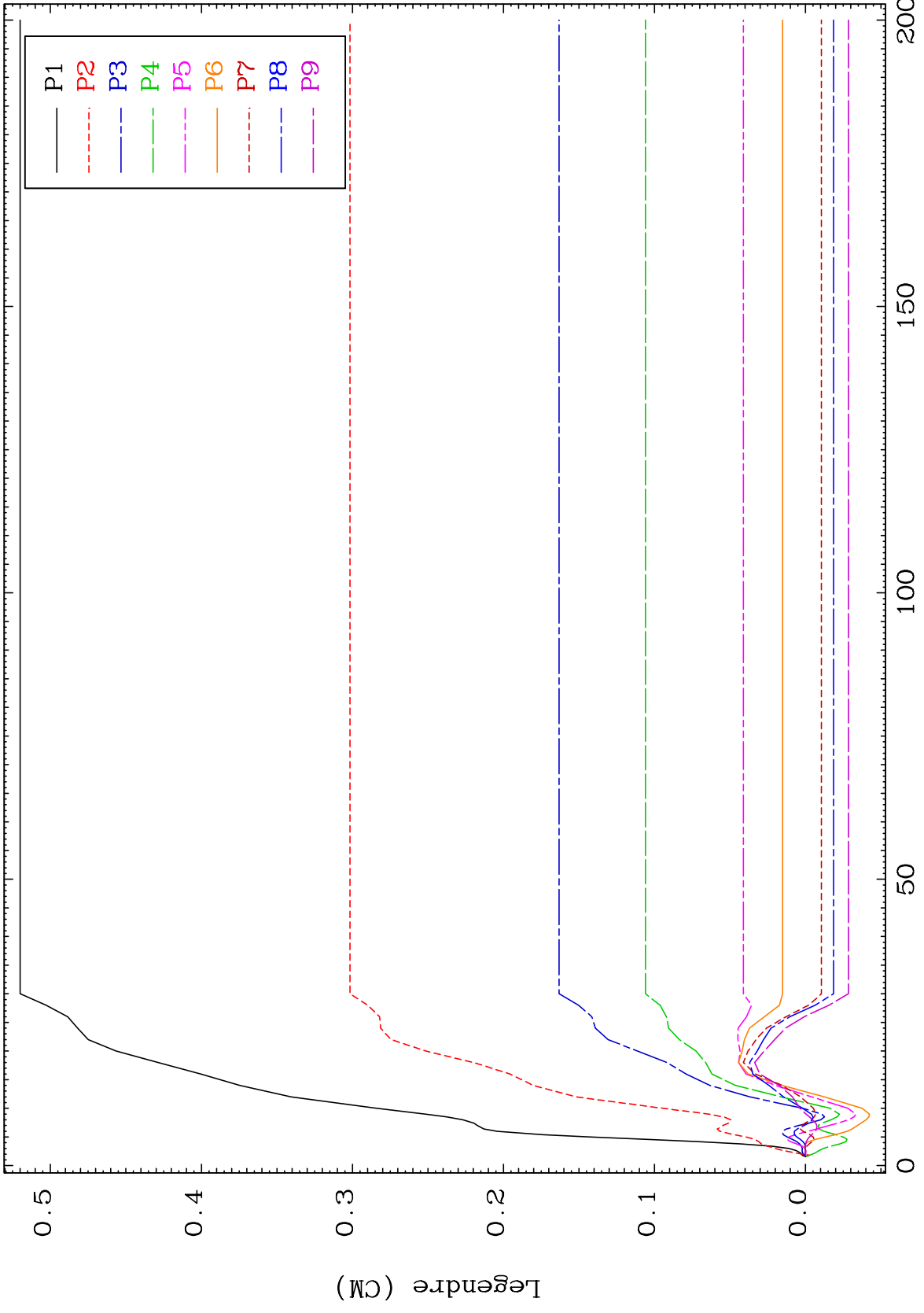
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



18

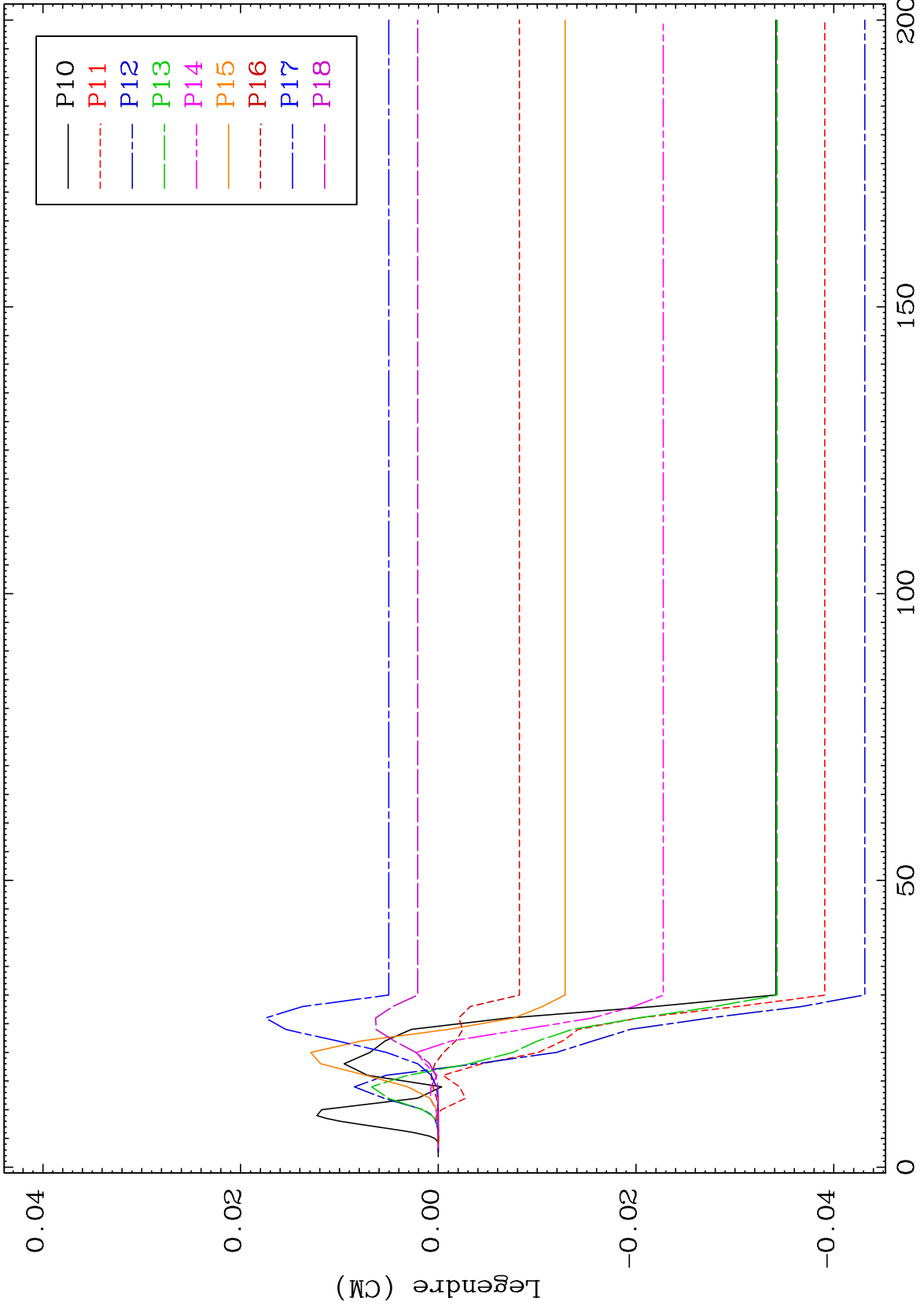
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



19

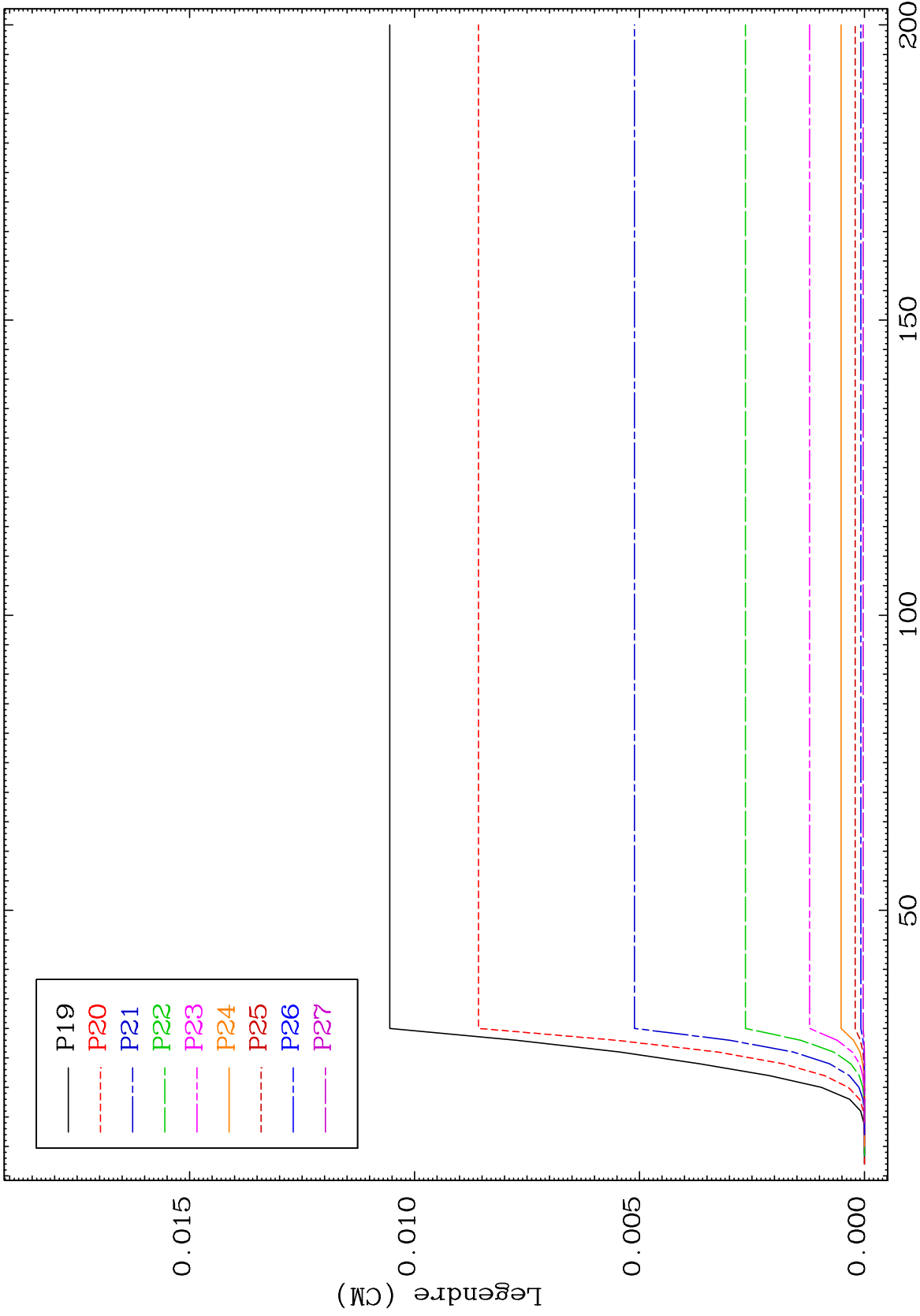
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



20

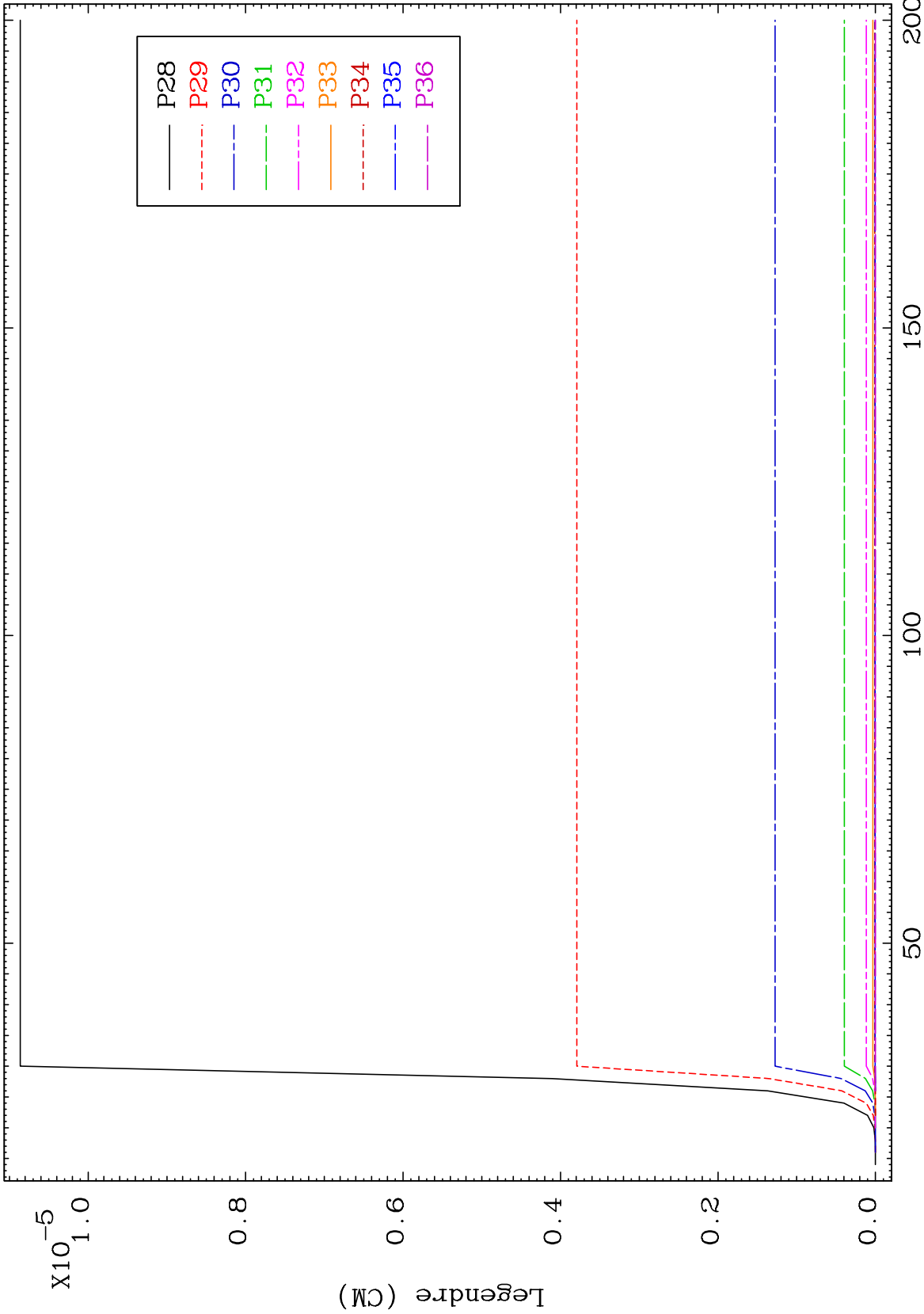
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



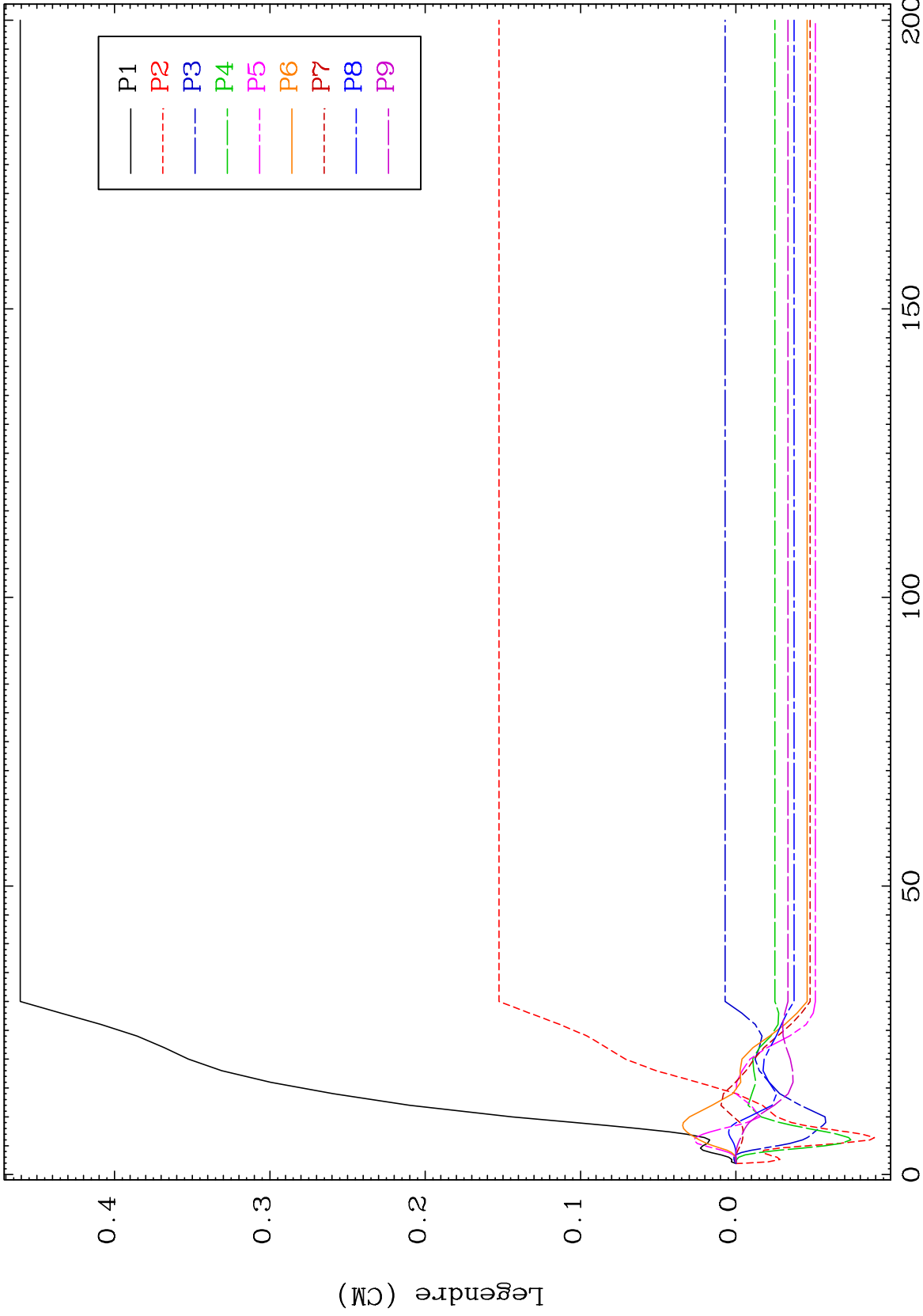
21

70-Yb-152

MAT 6977

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

70-Yb-152



22

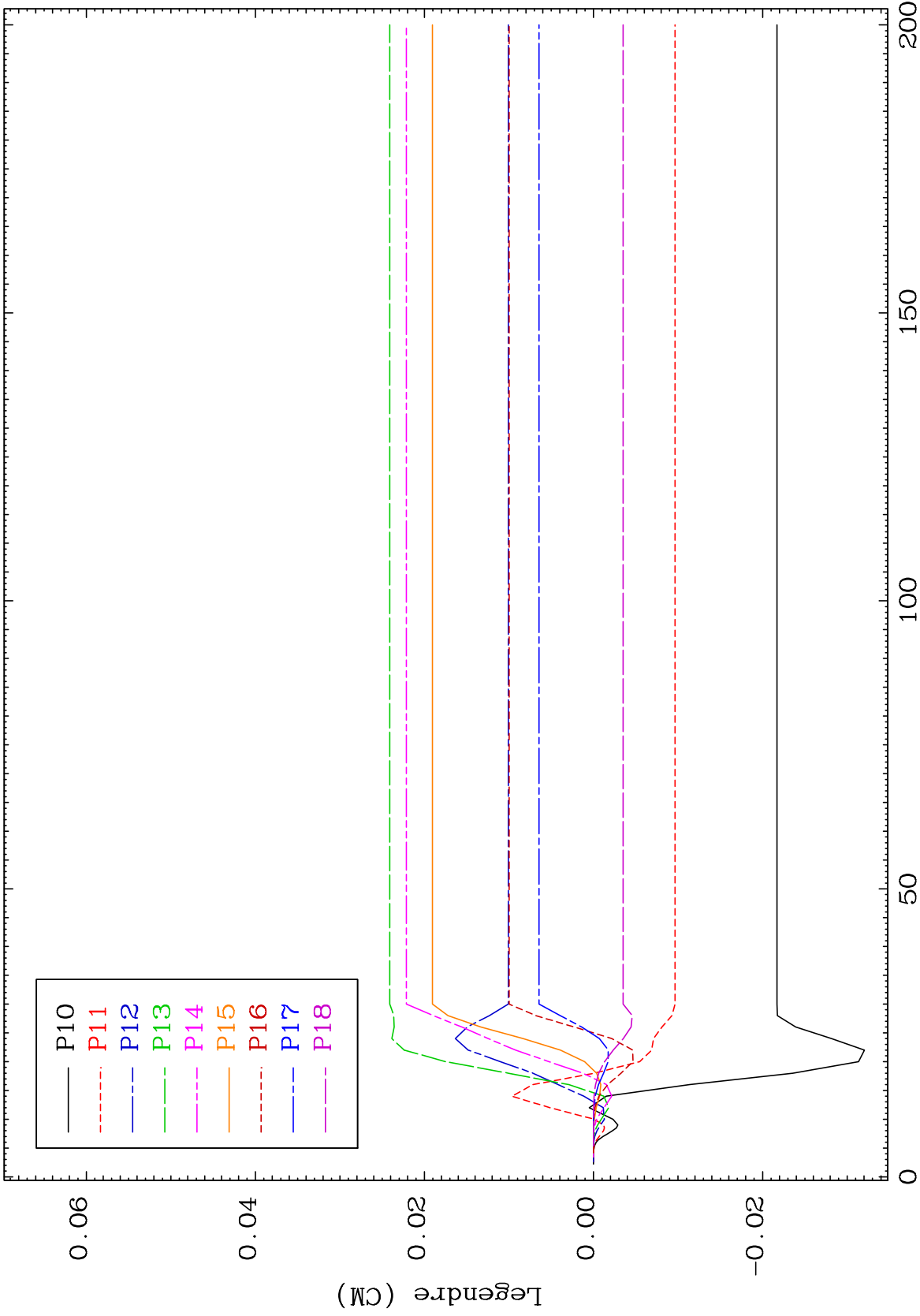
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



23

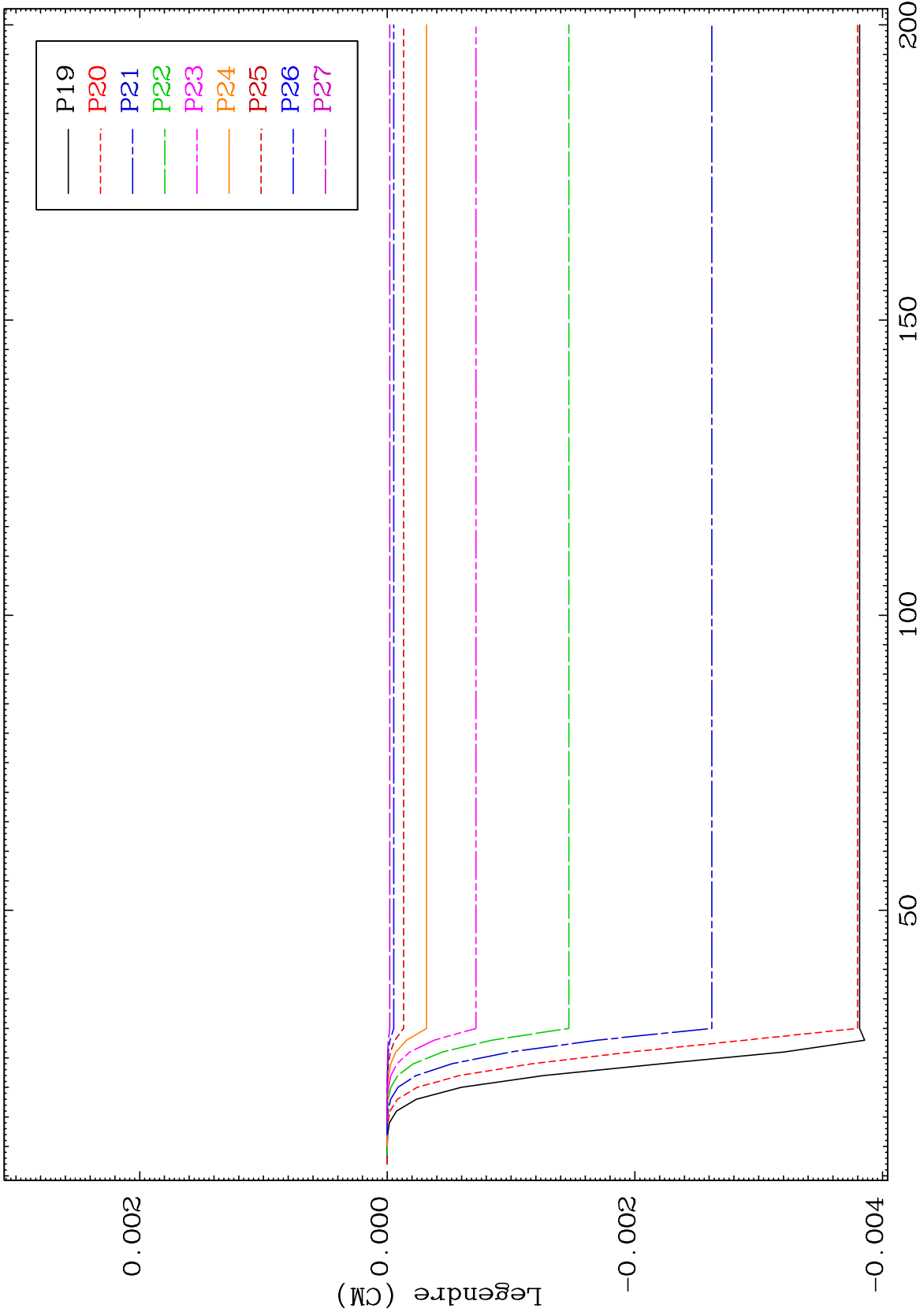
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152

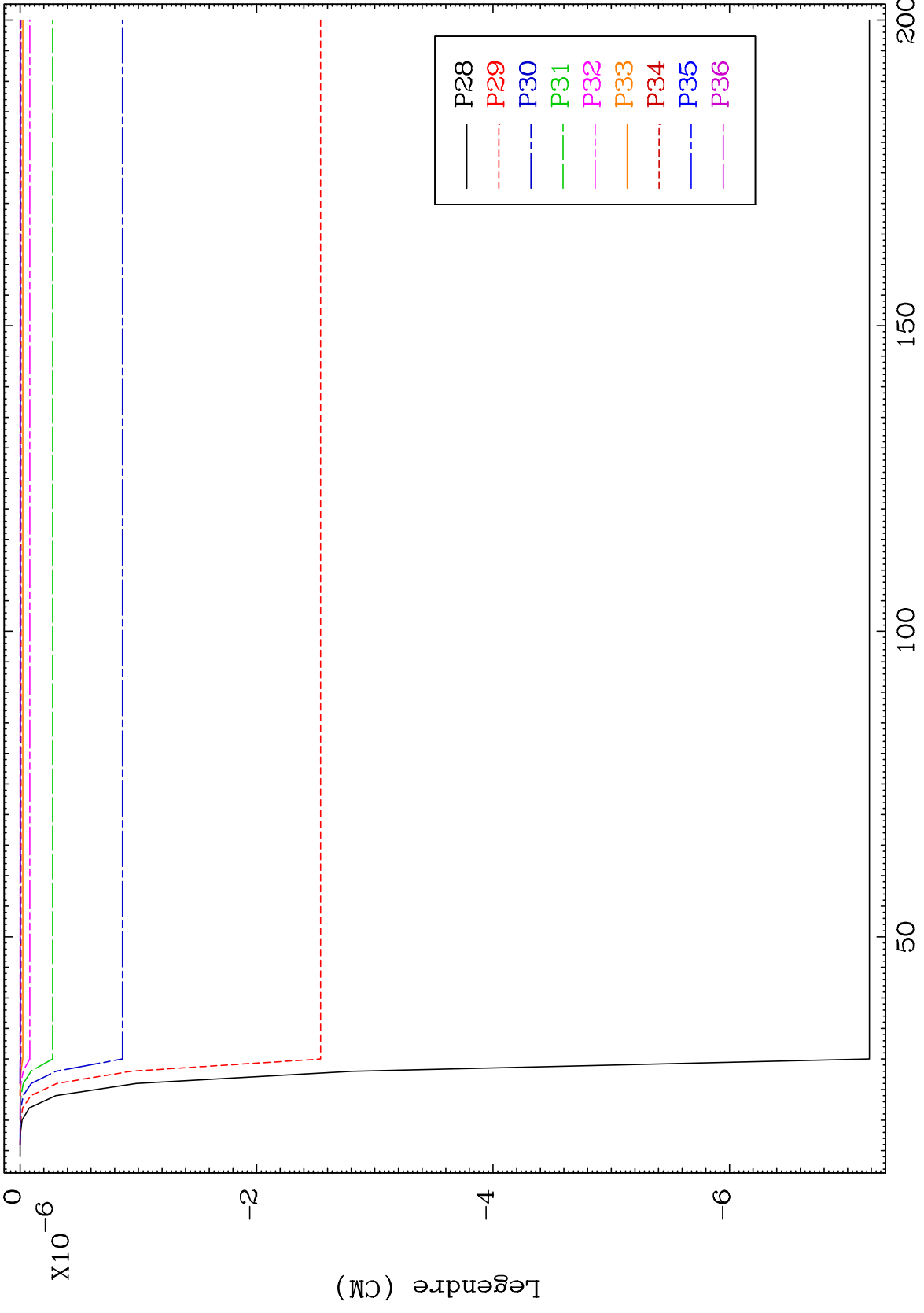


24

Incident Energy (MeV)

70-Yb-152

MAT 6977 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-152

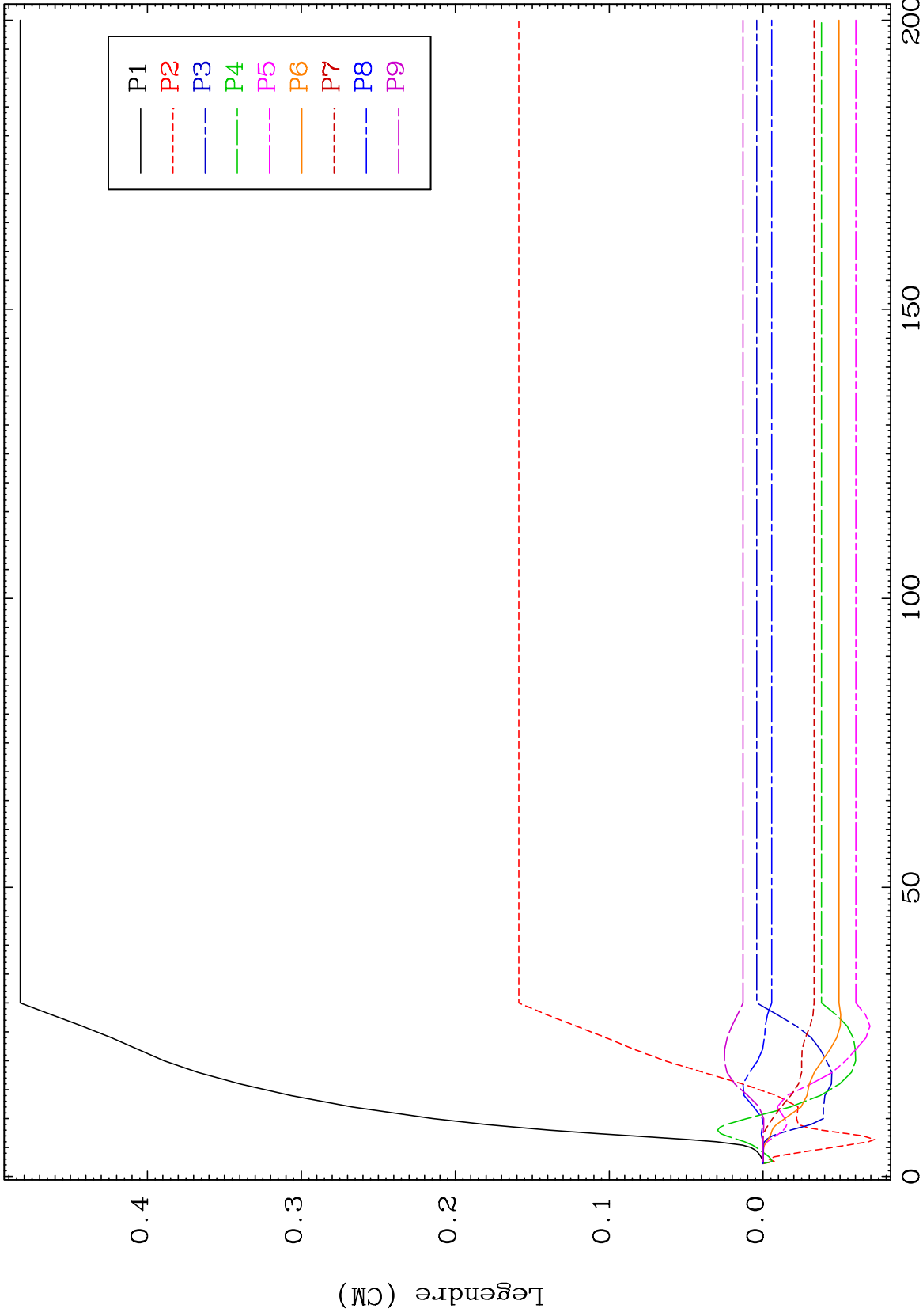


25 Incident Energy (MeV) 70-Yb-152

MAT 6977

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

70-Yb-152



26

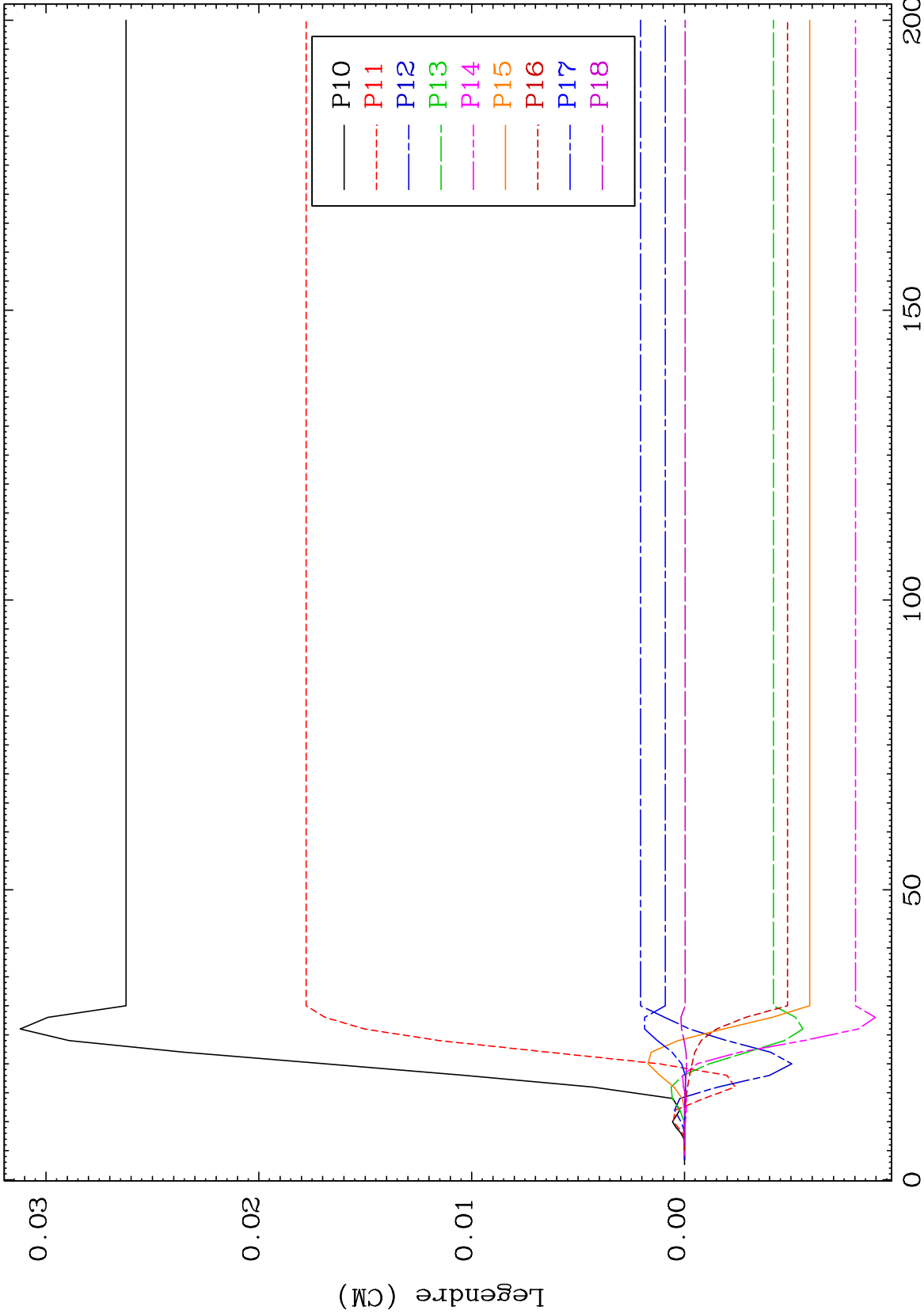
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



27

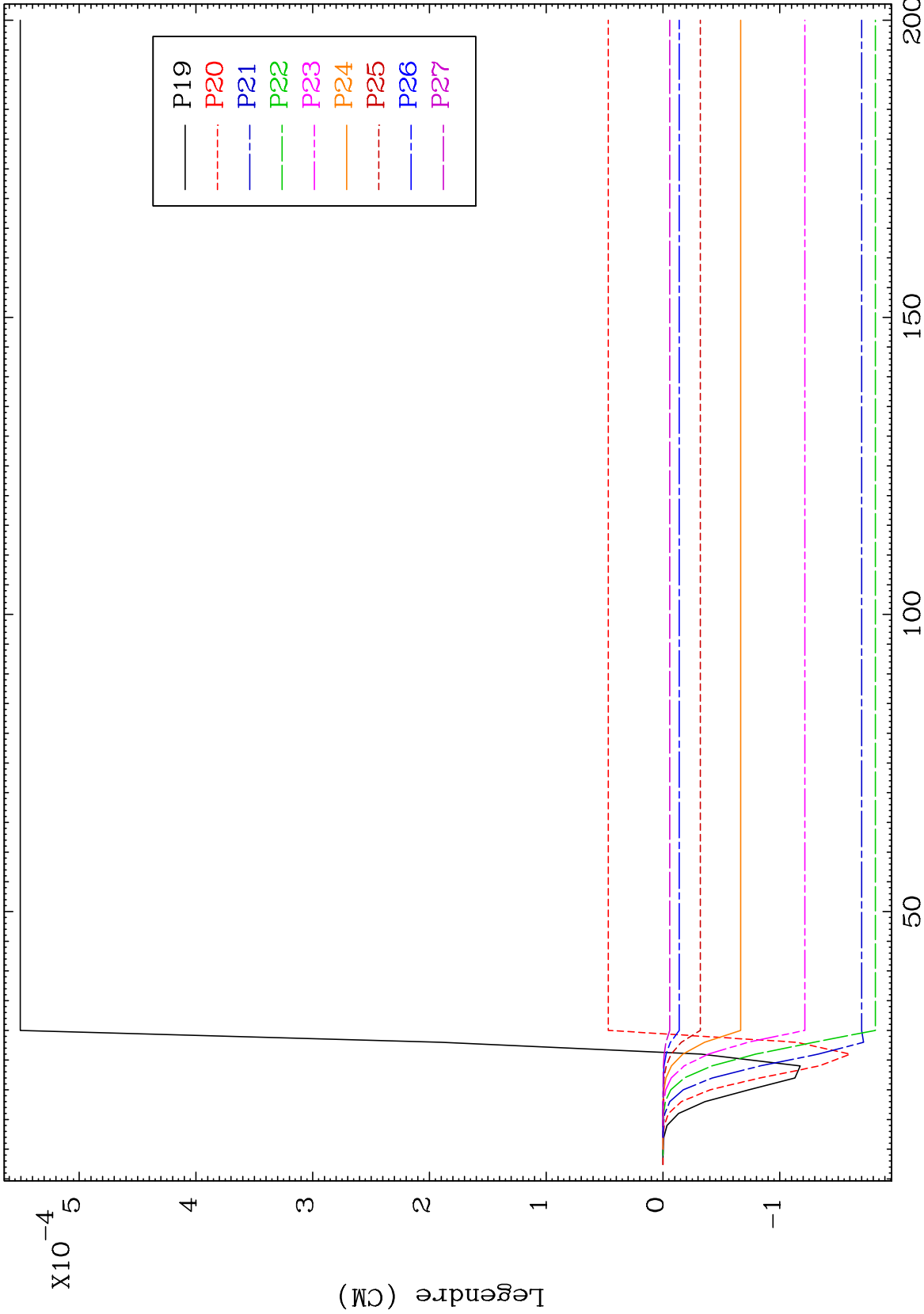
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



28

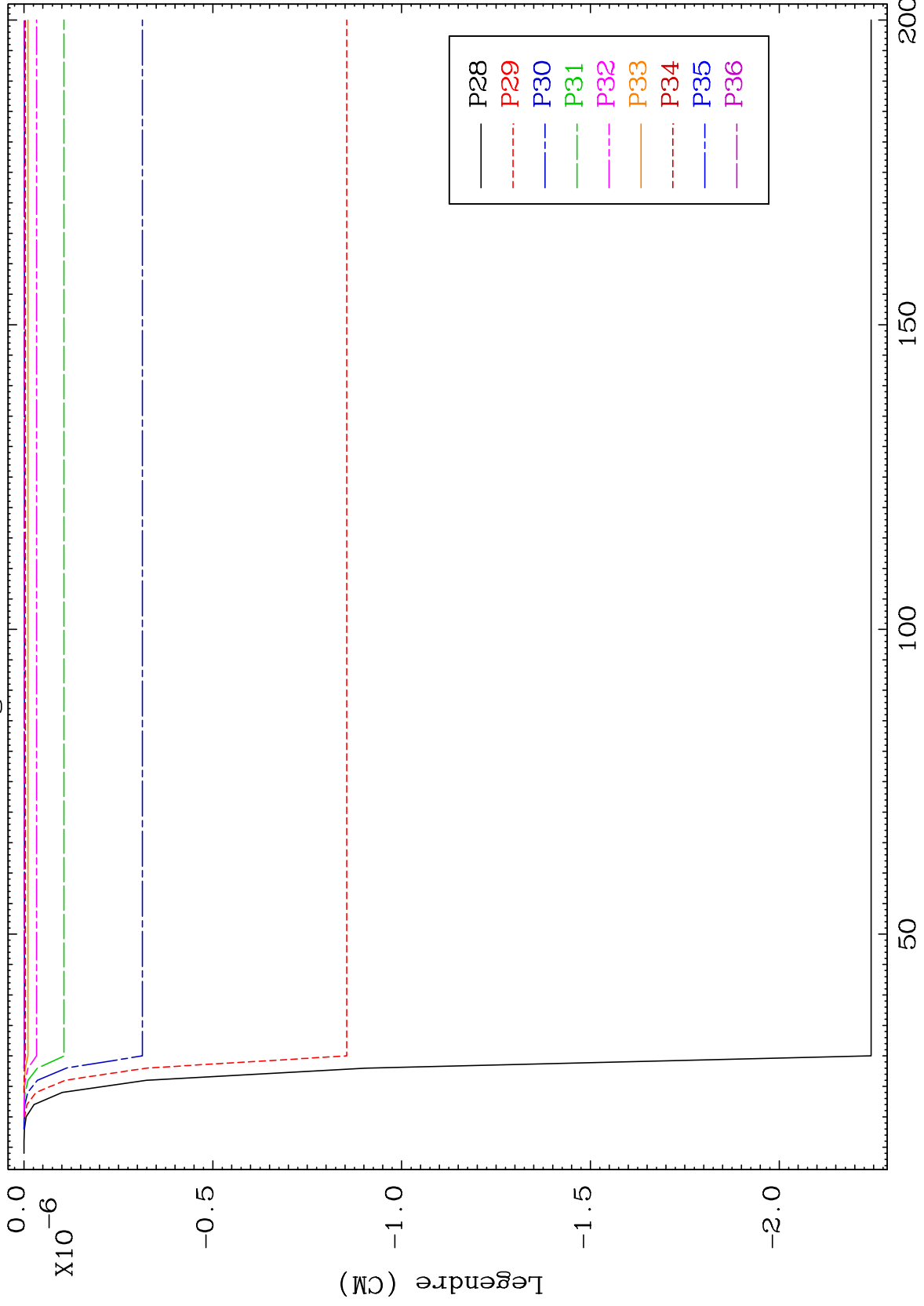
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



29

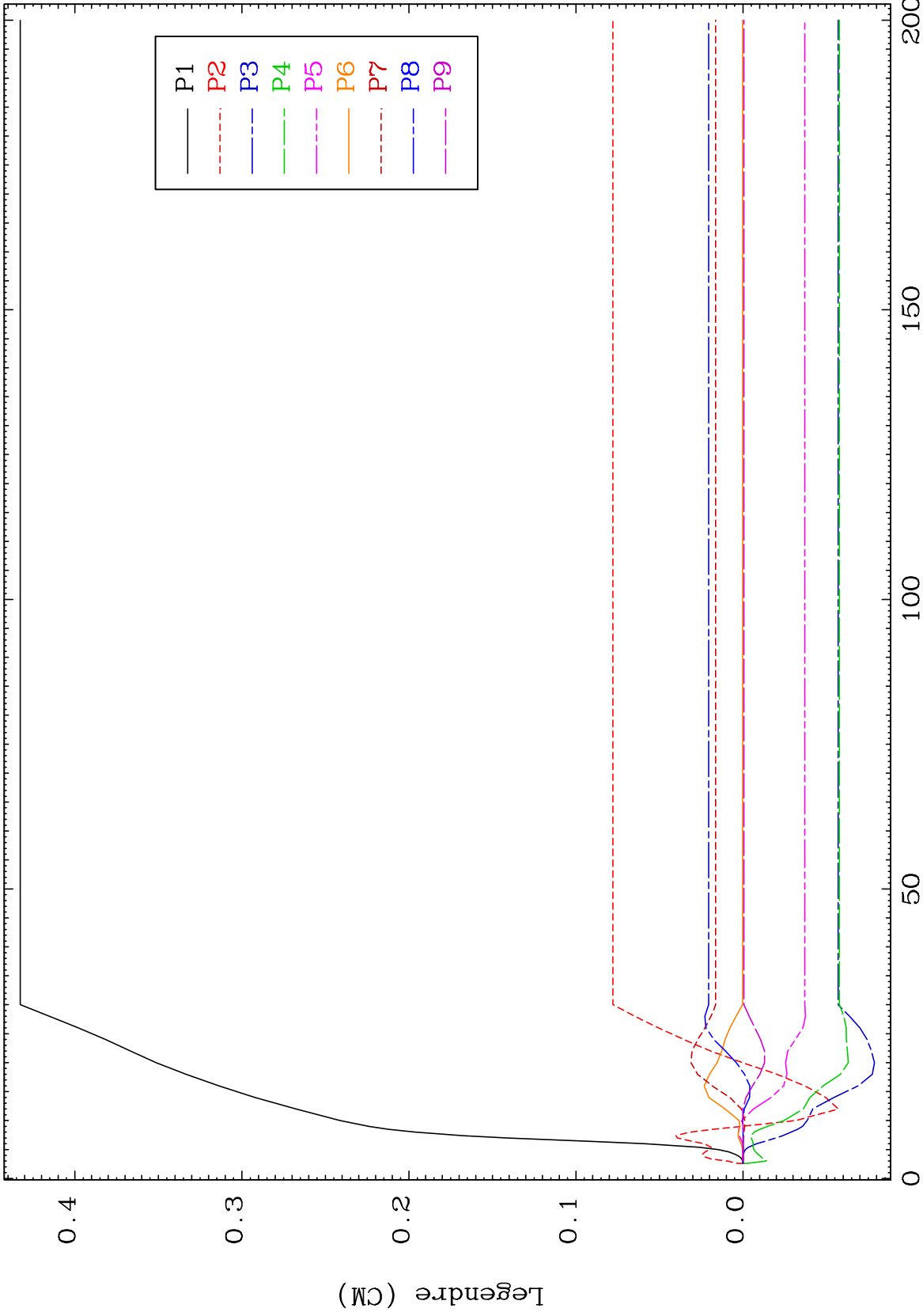
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



30

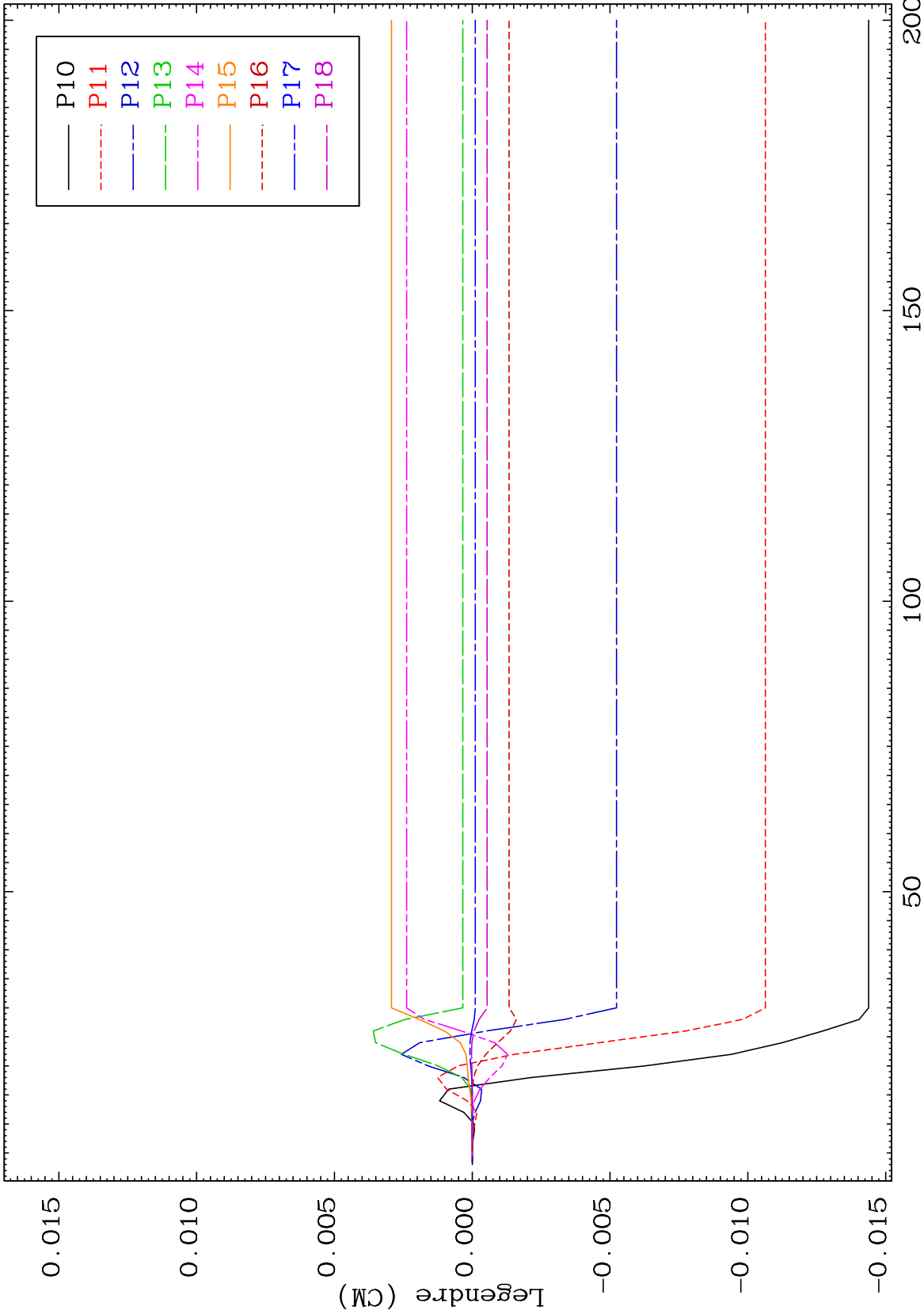
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

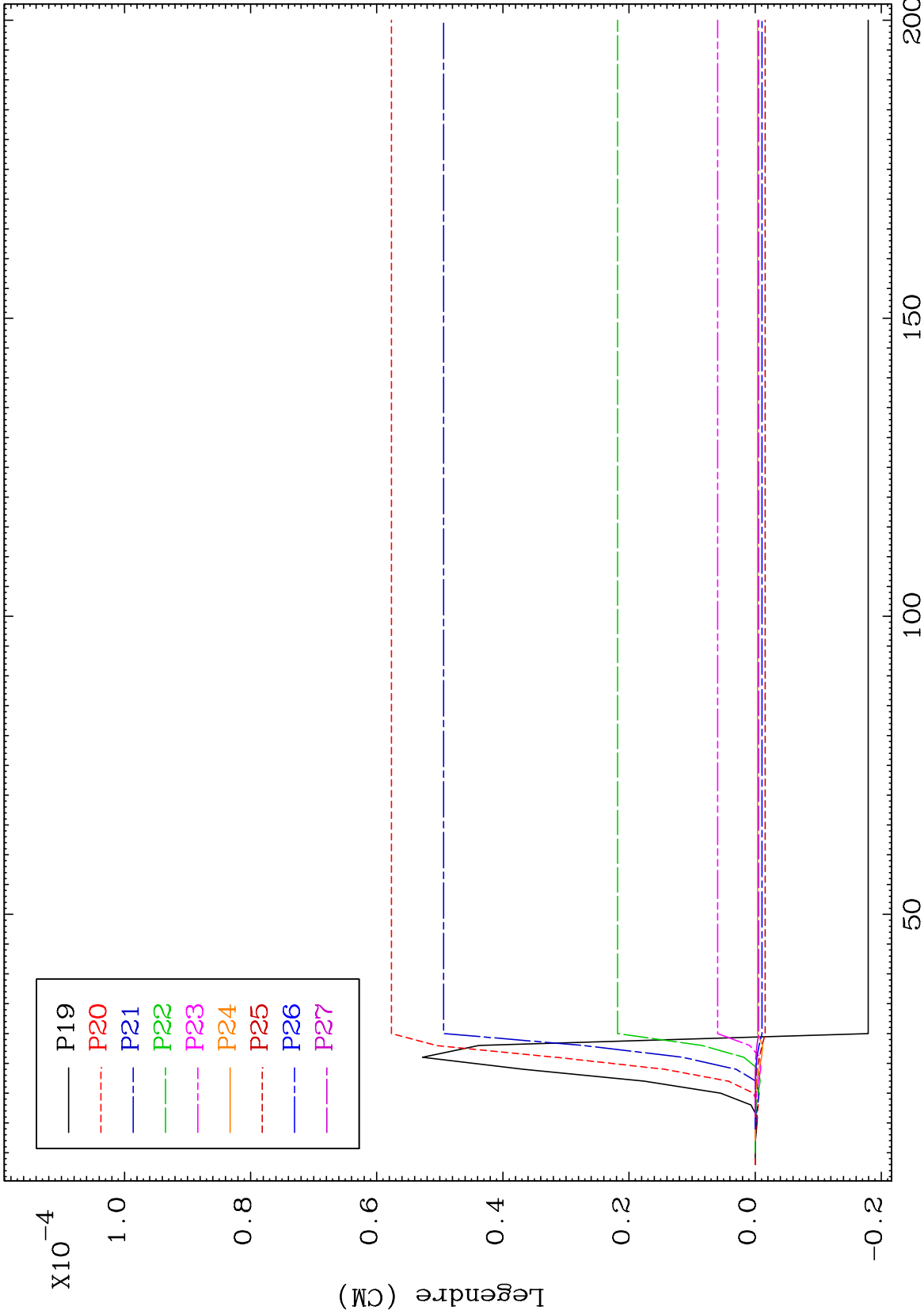
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MAT 6977

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

70-Yb-152



32

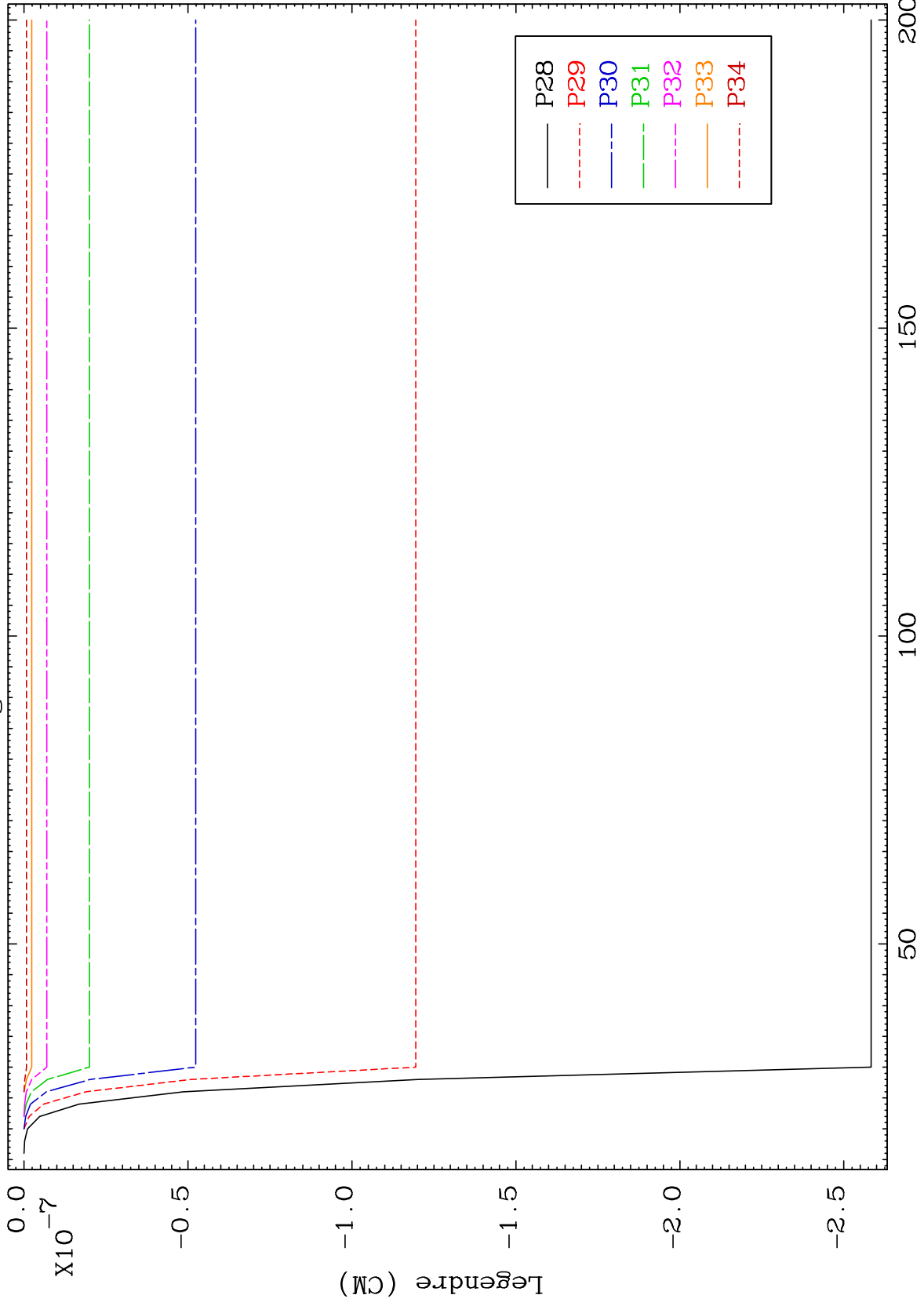
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



70-Yb-152

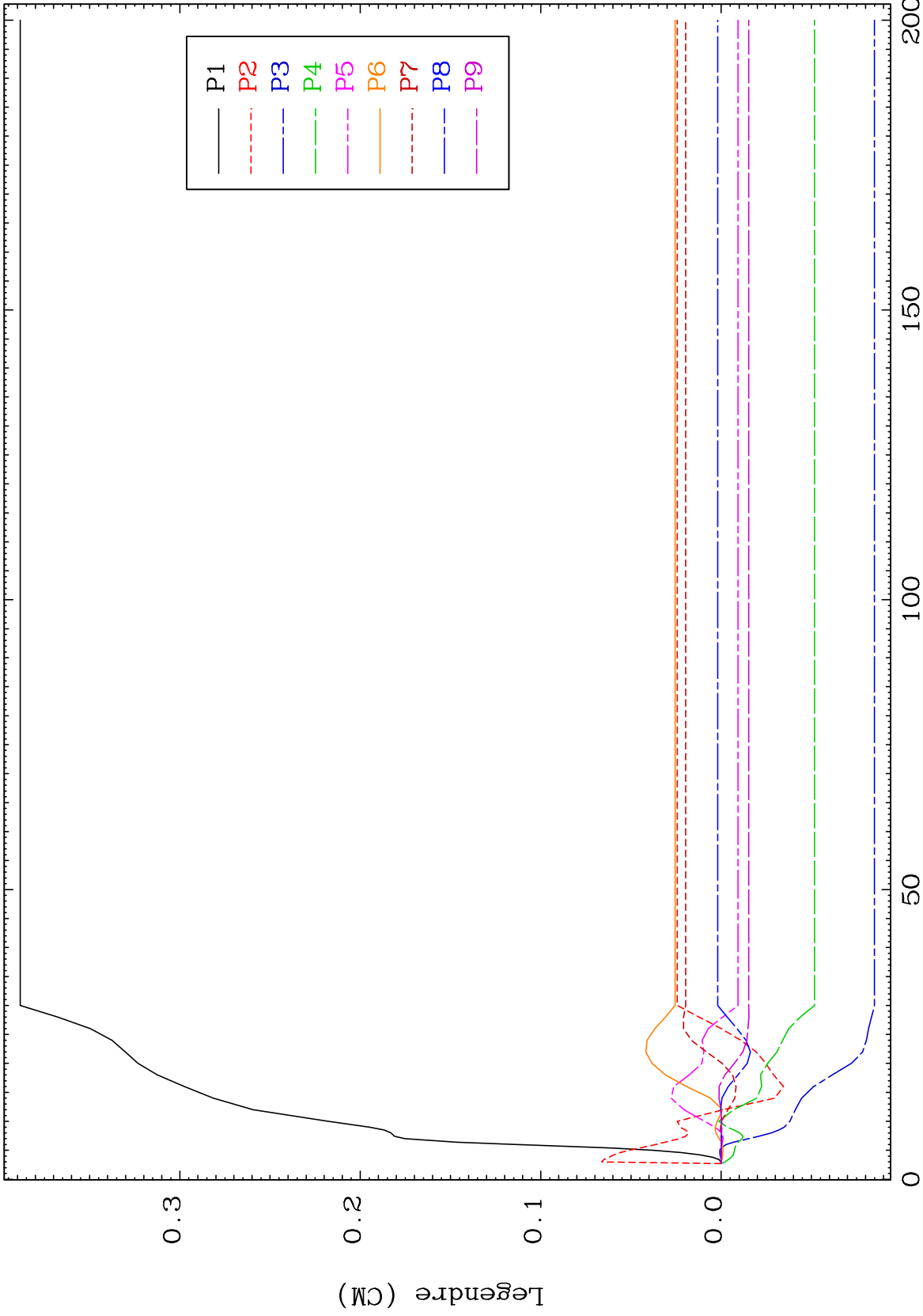
Incident Energy (MeV)

33

MAT 6977

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

70-Yb-152



34

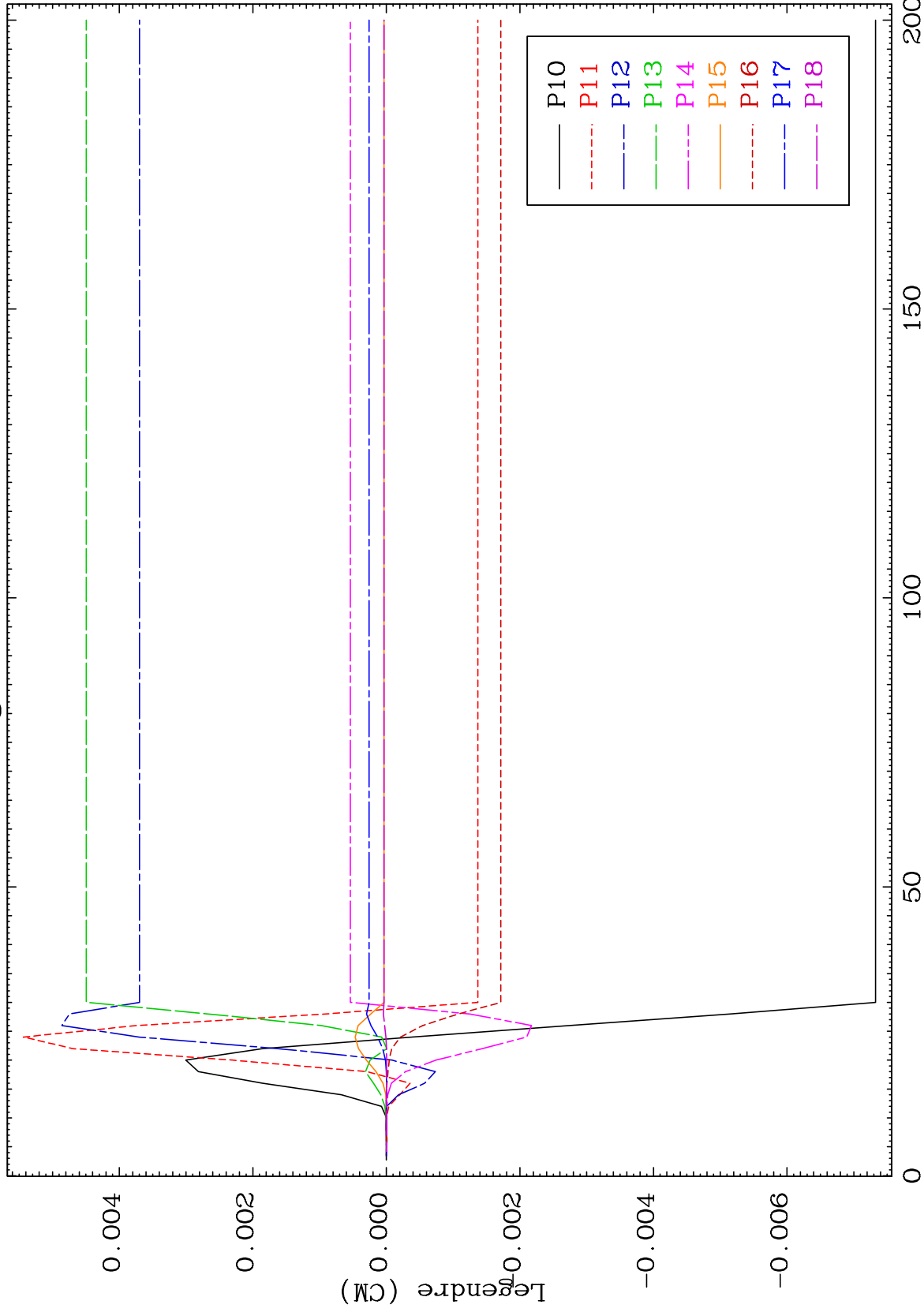
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



35

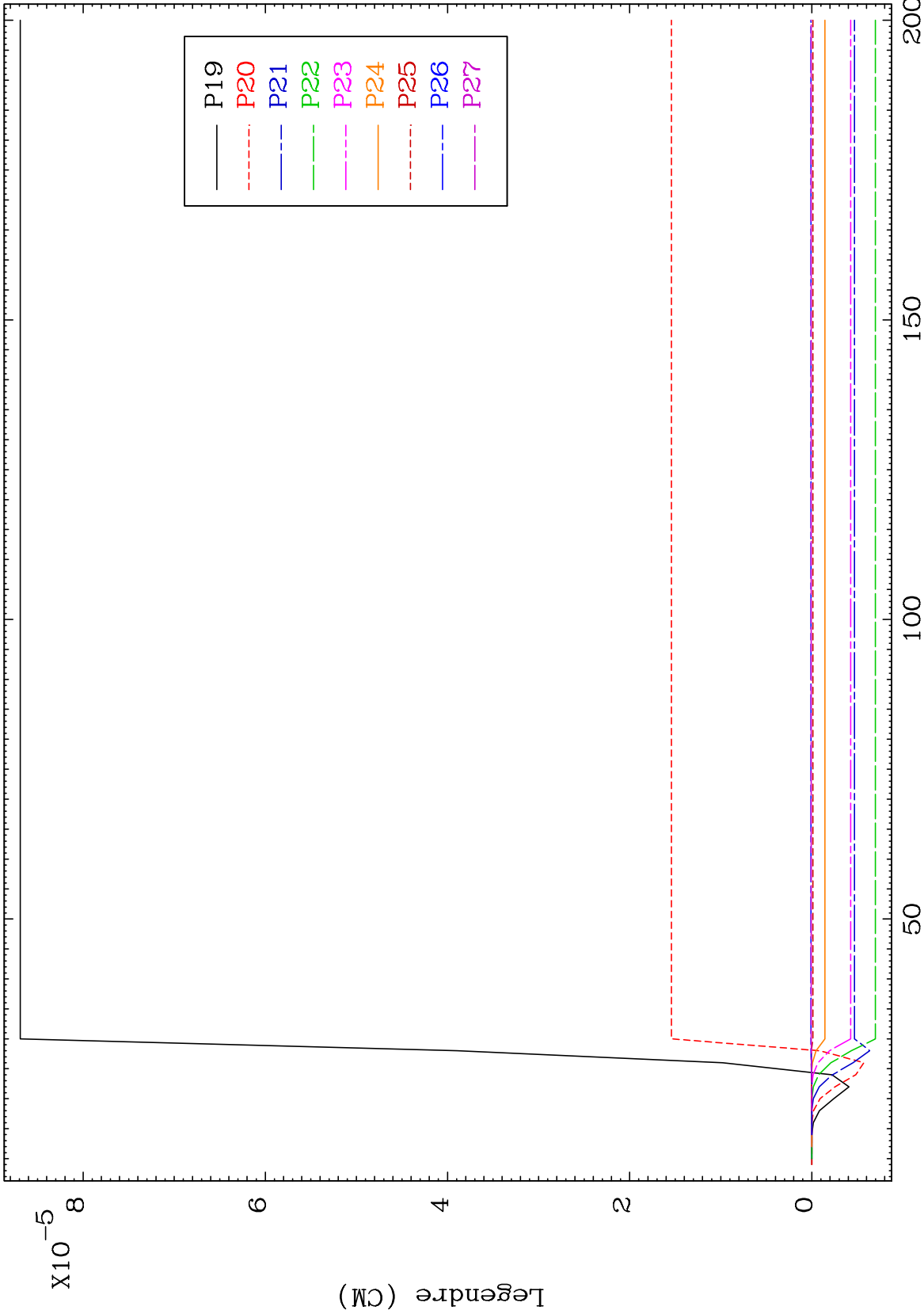
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



36

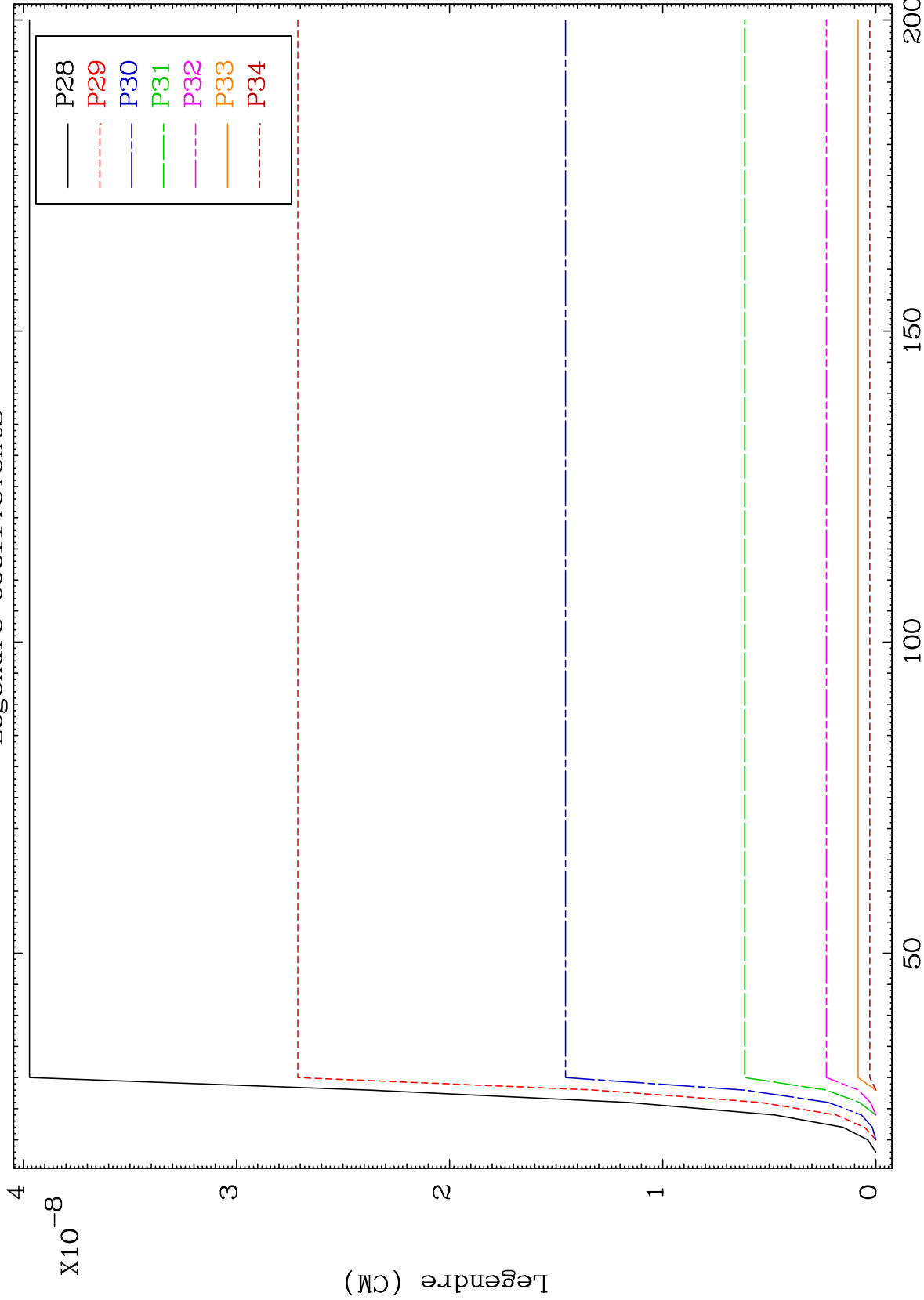
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



37

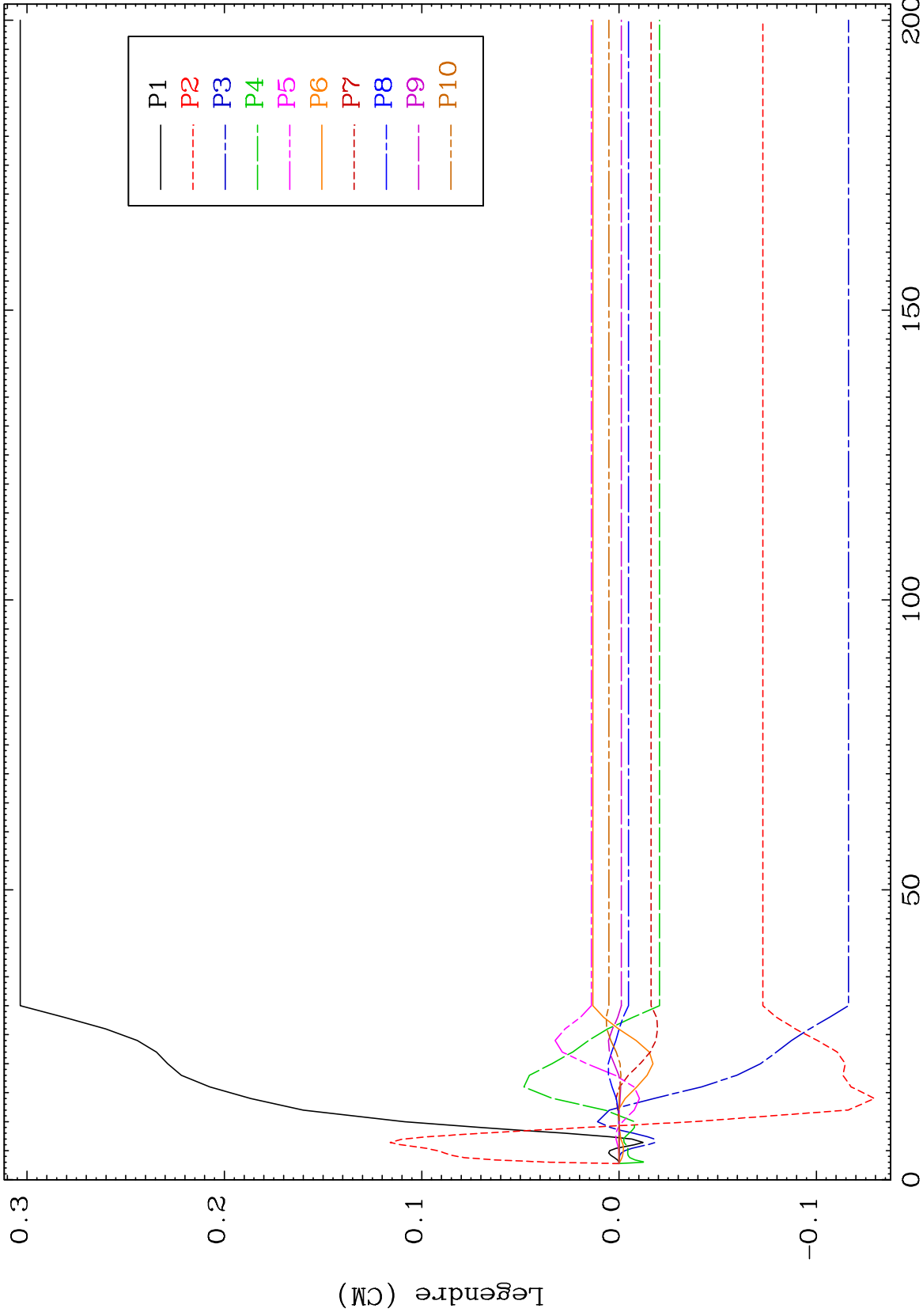
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



38

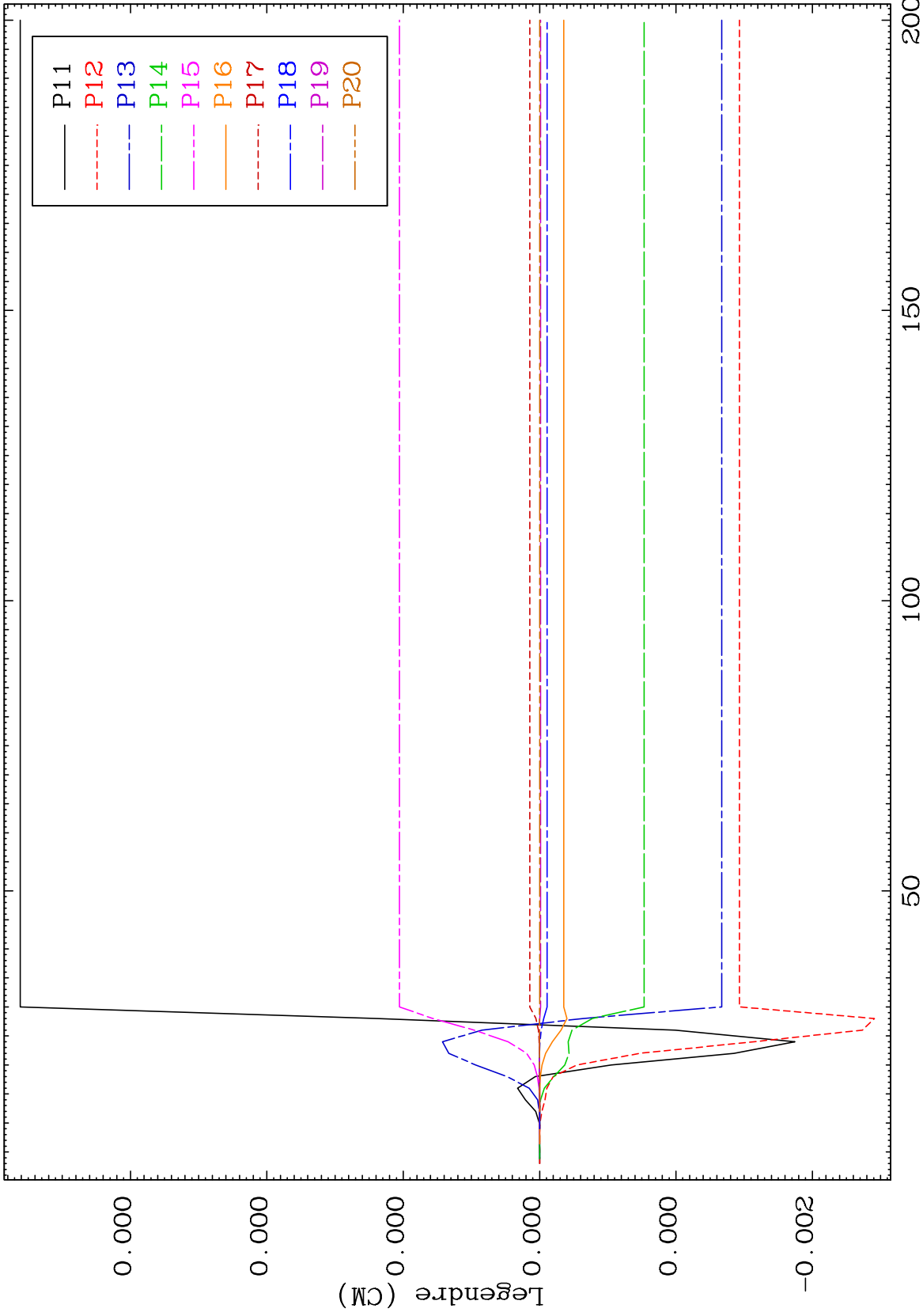
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



39

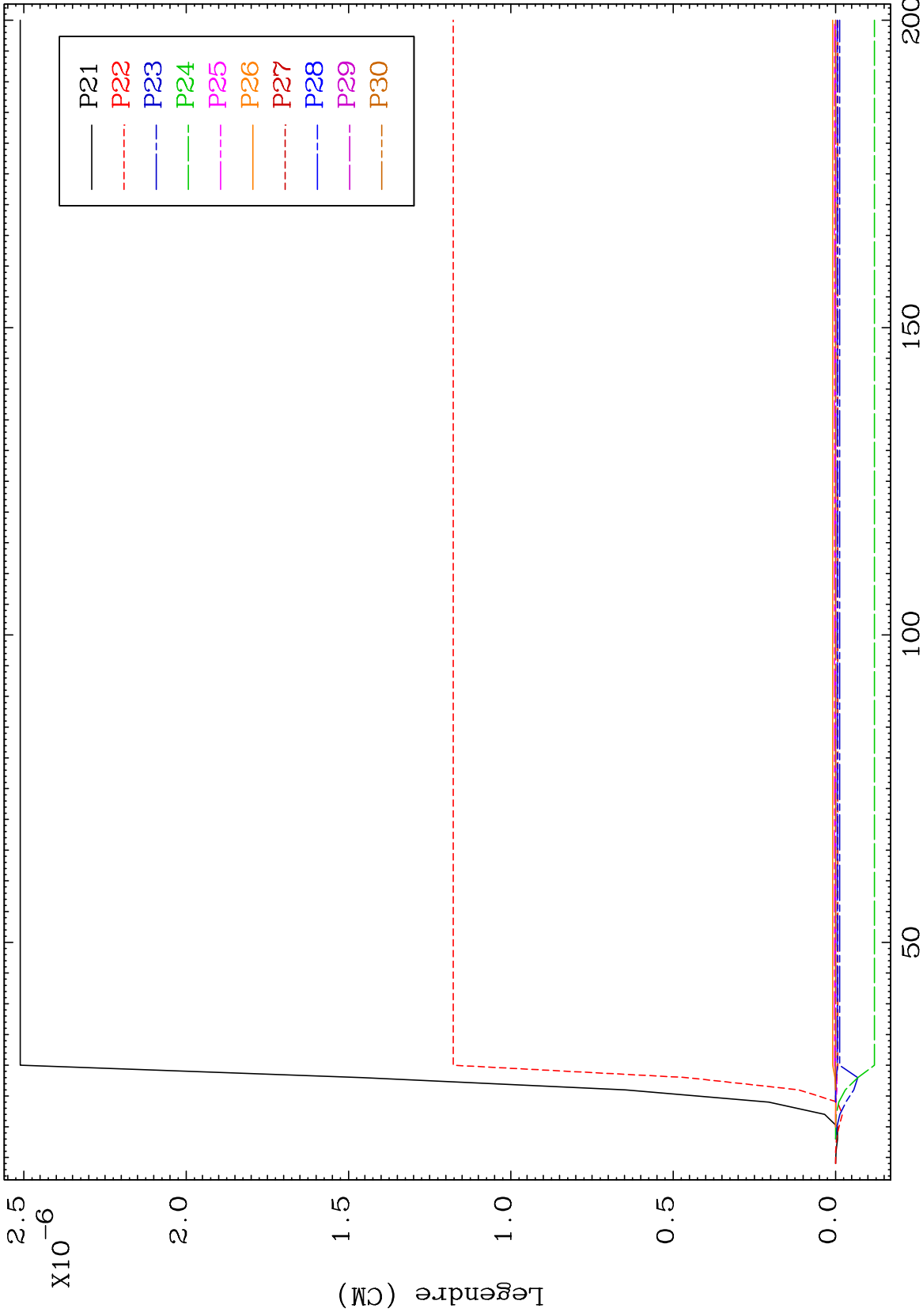
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

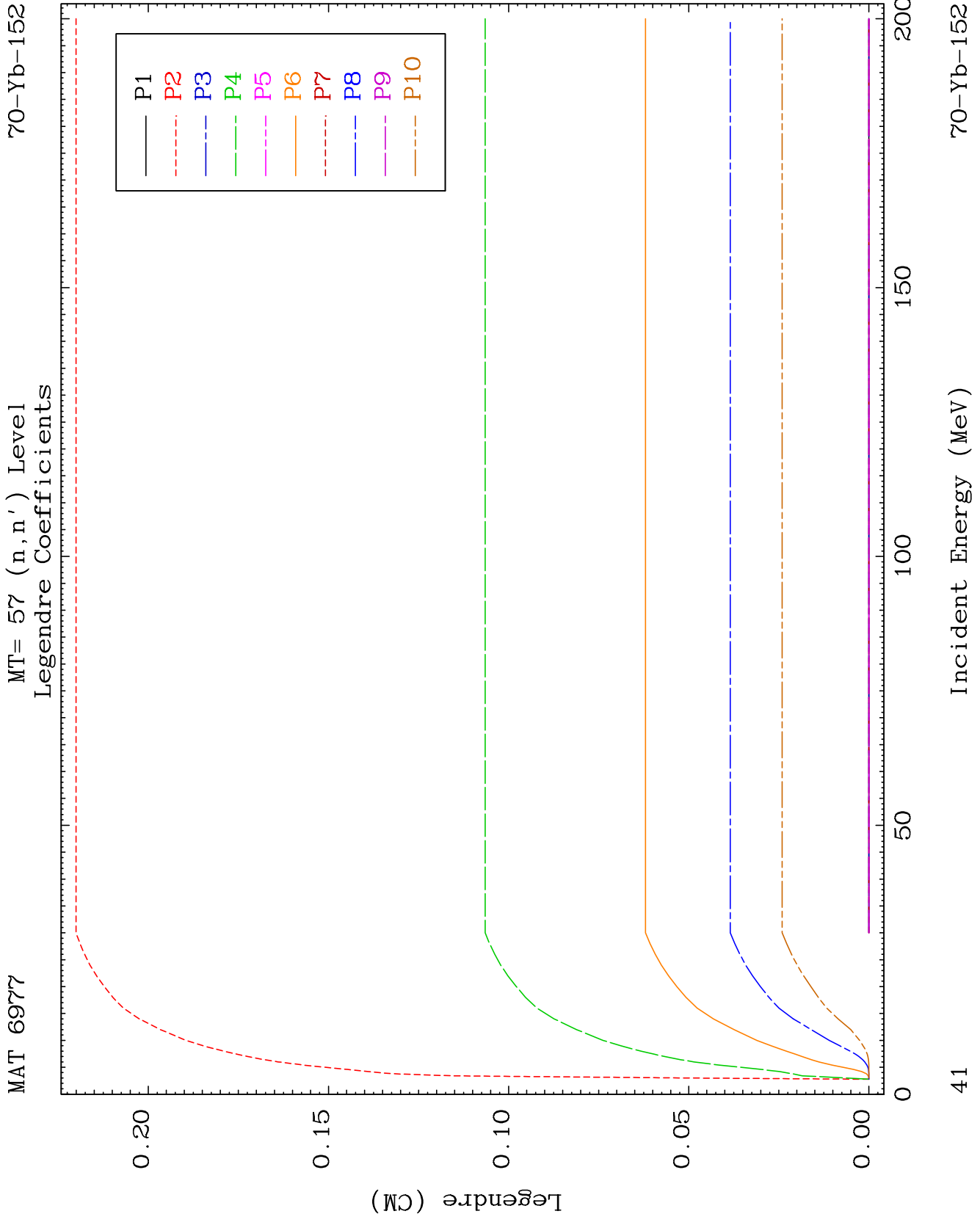
70-Yb-152



40

Incident Energy (MeV)

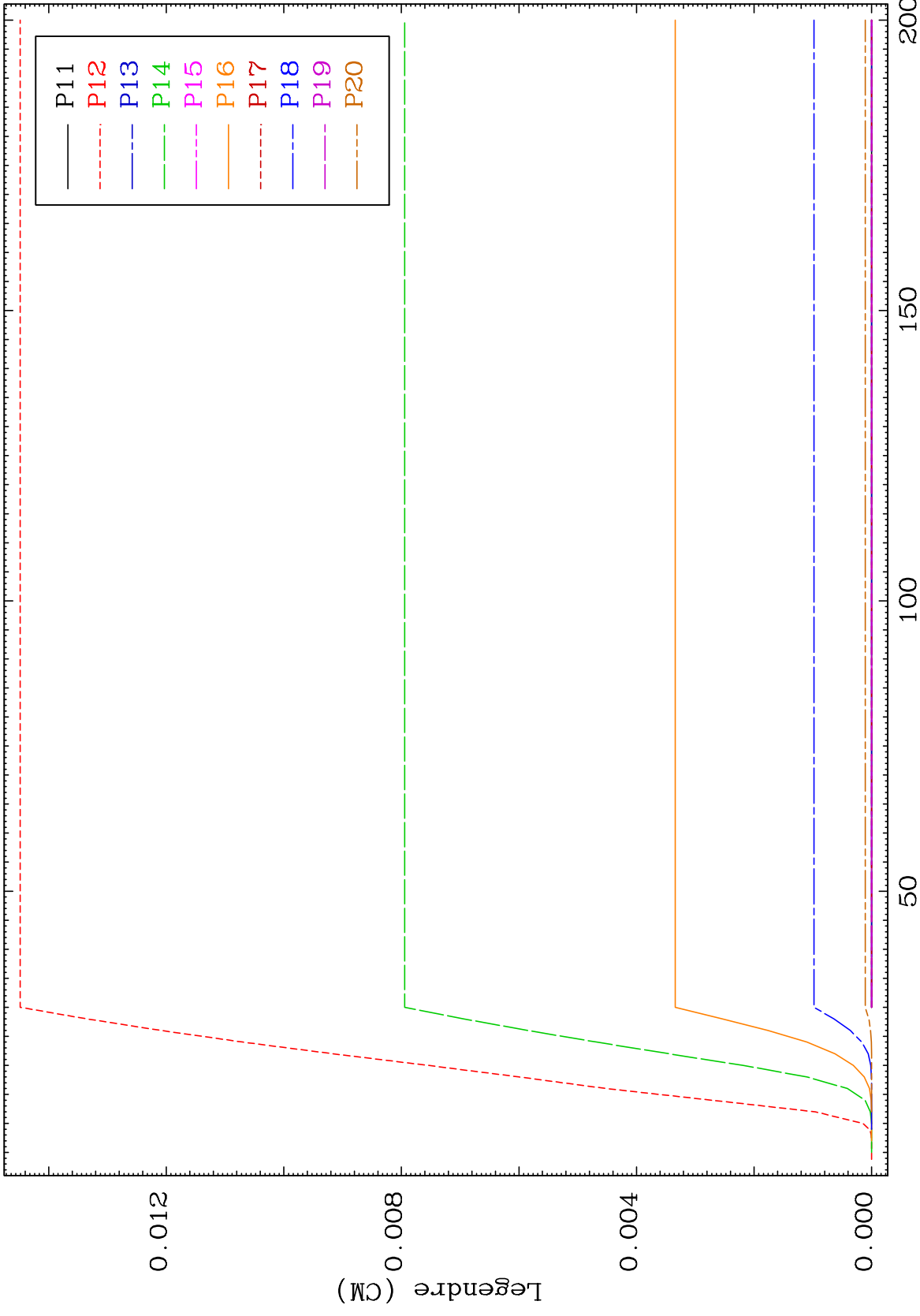
70-Yb-152



MAT 6977

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

70-Yb-152



42

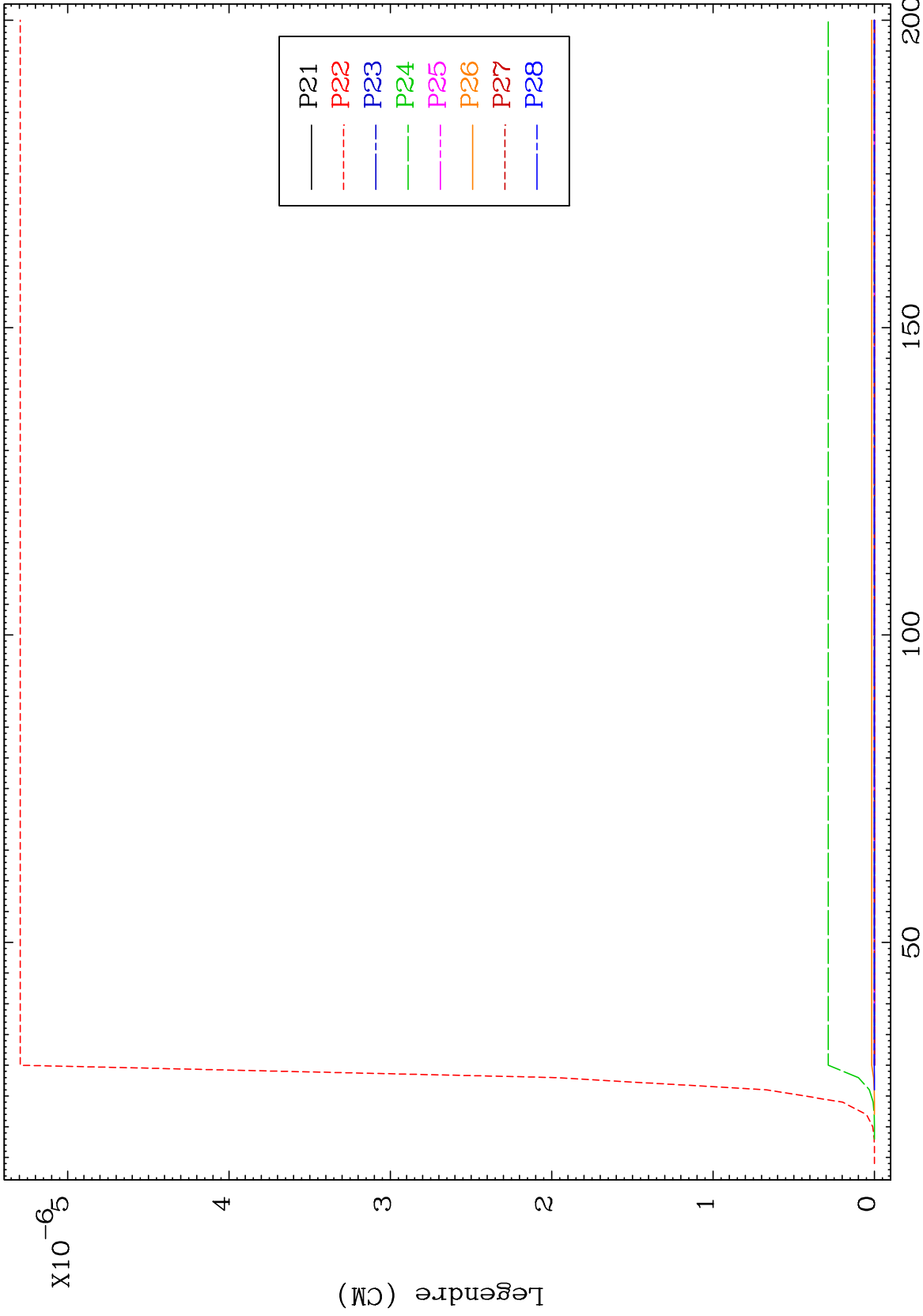
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



43

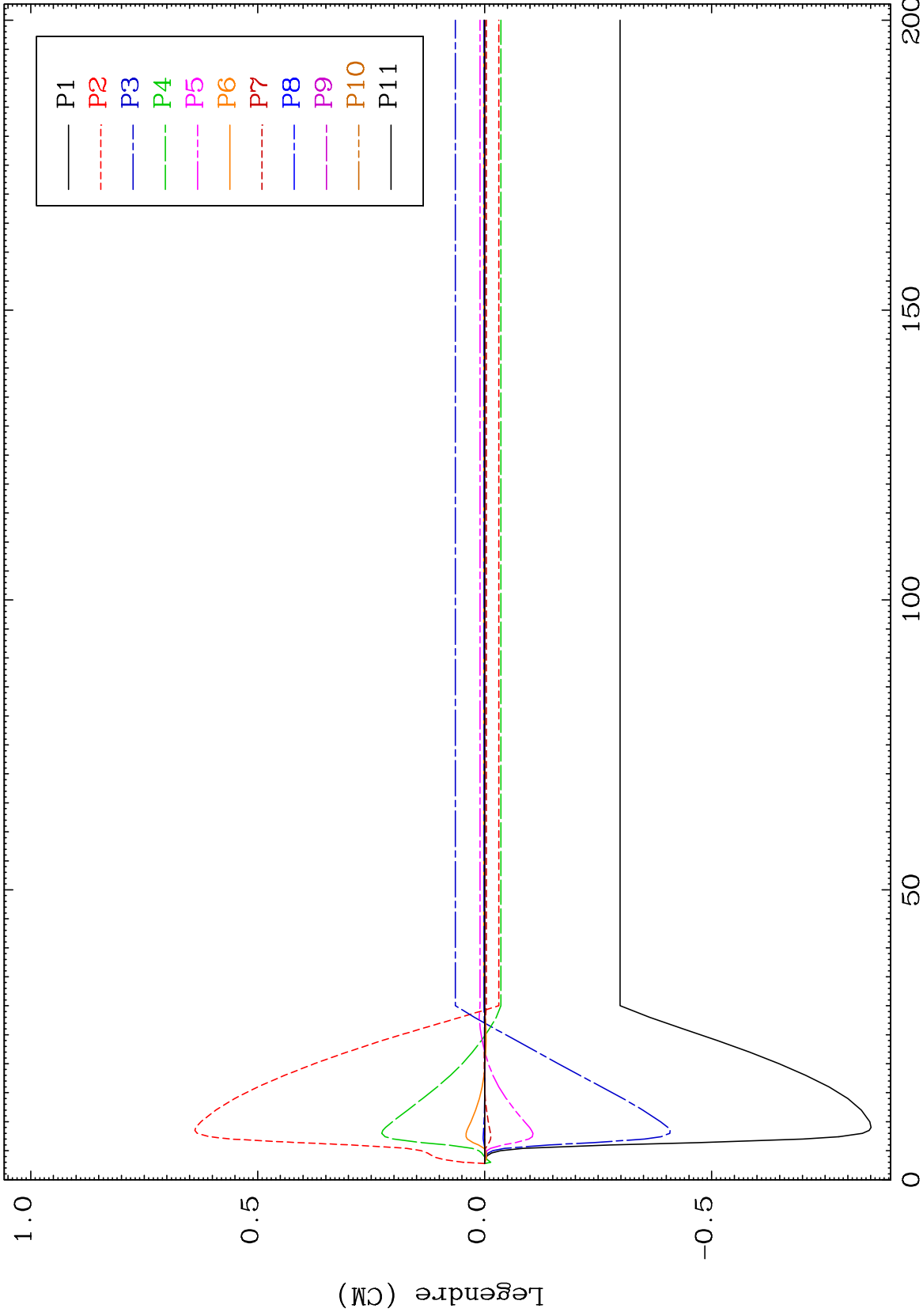
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



44

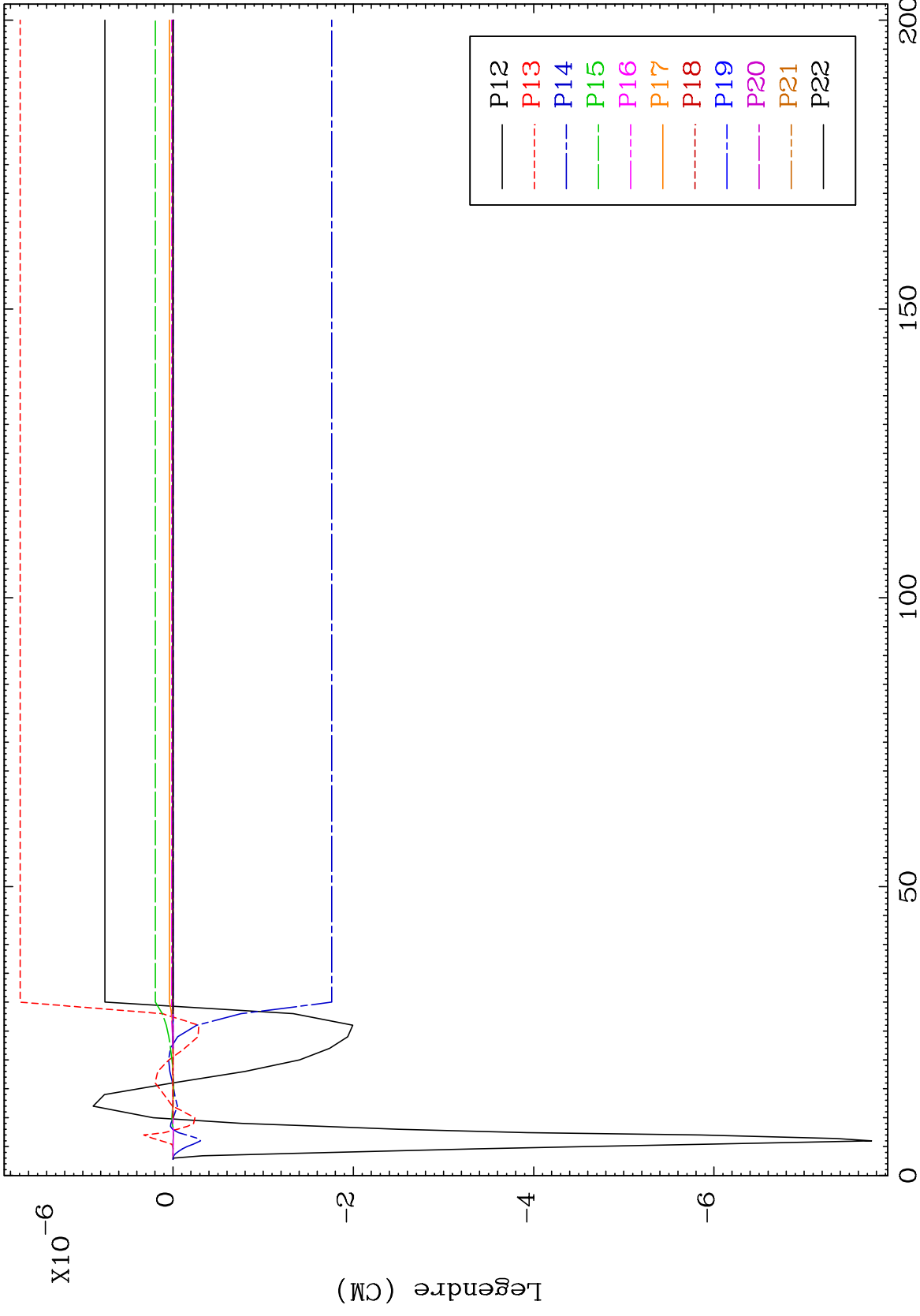
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



45

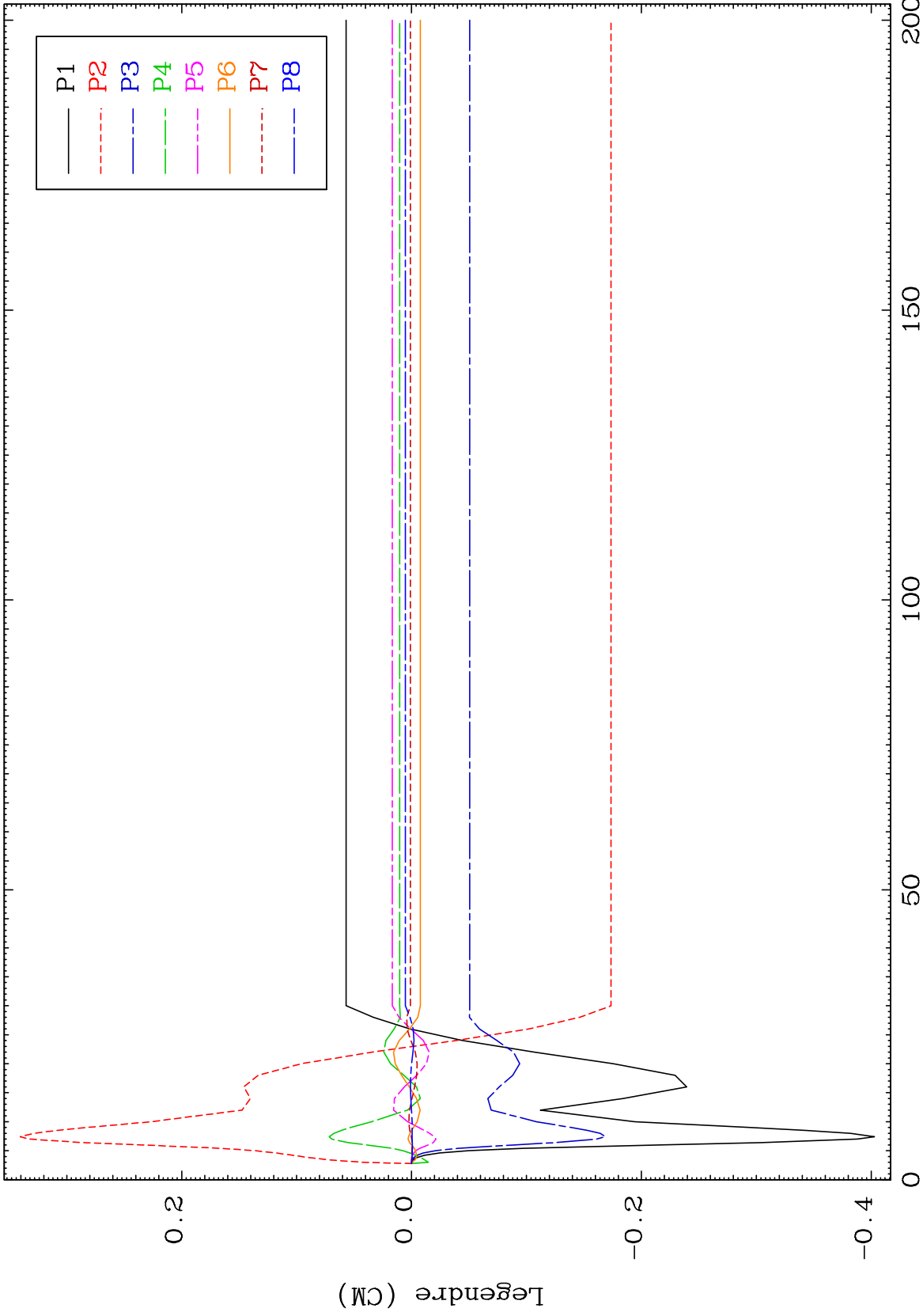
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



46

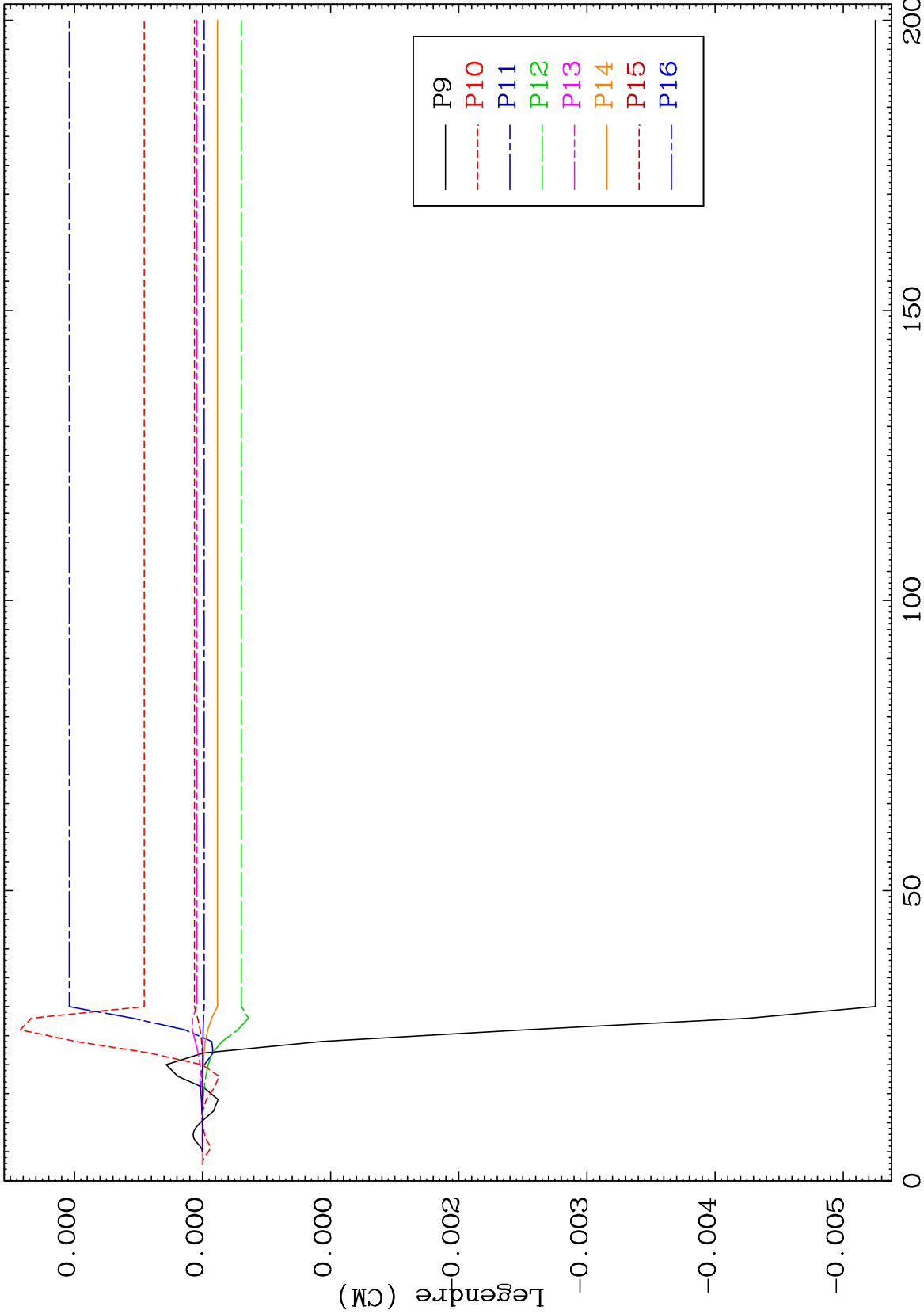
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



47

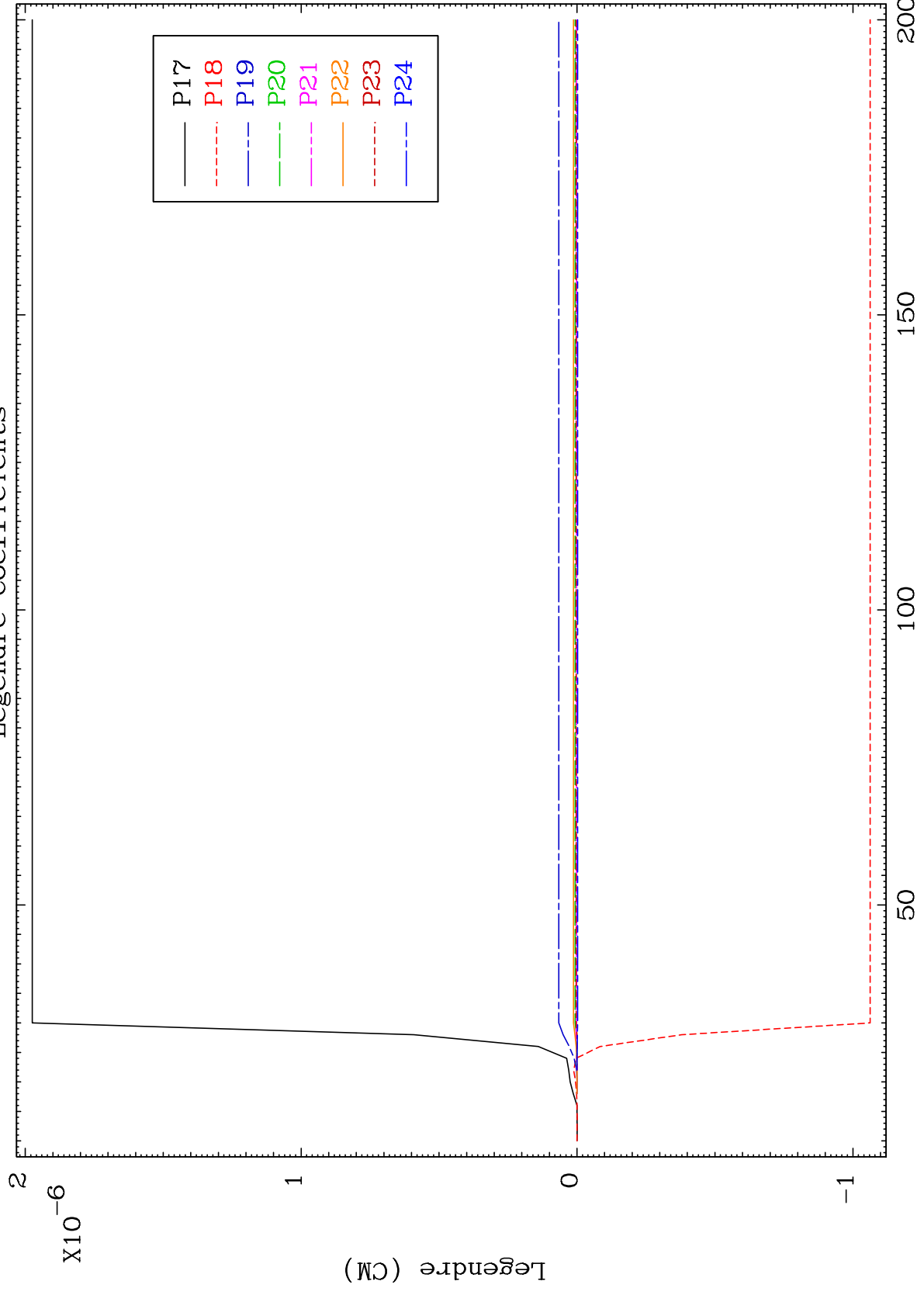
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



48

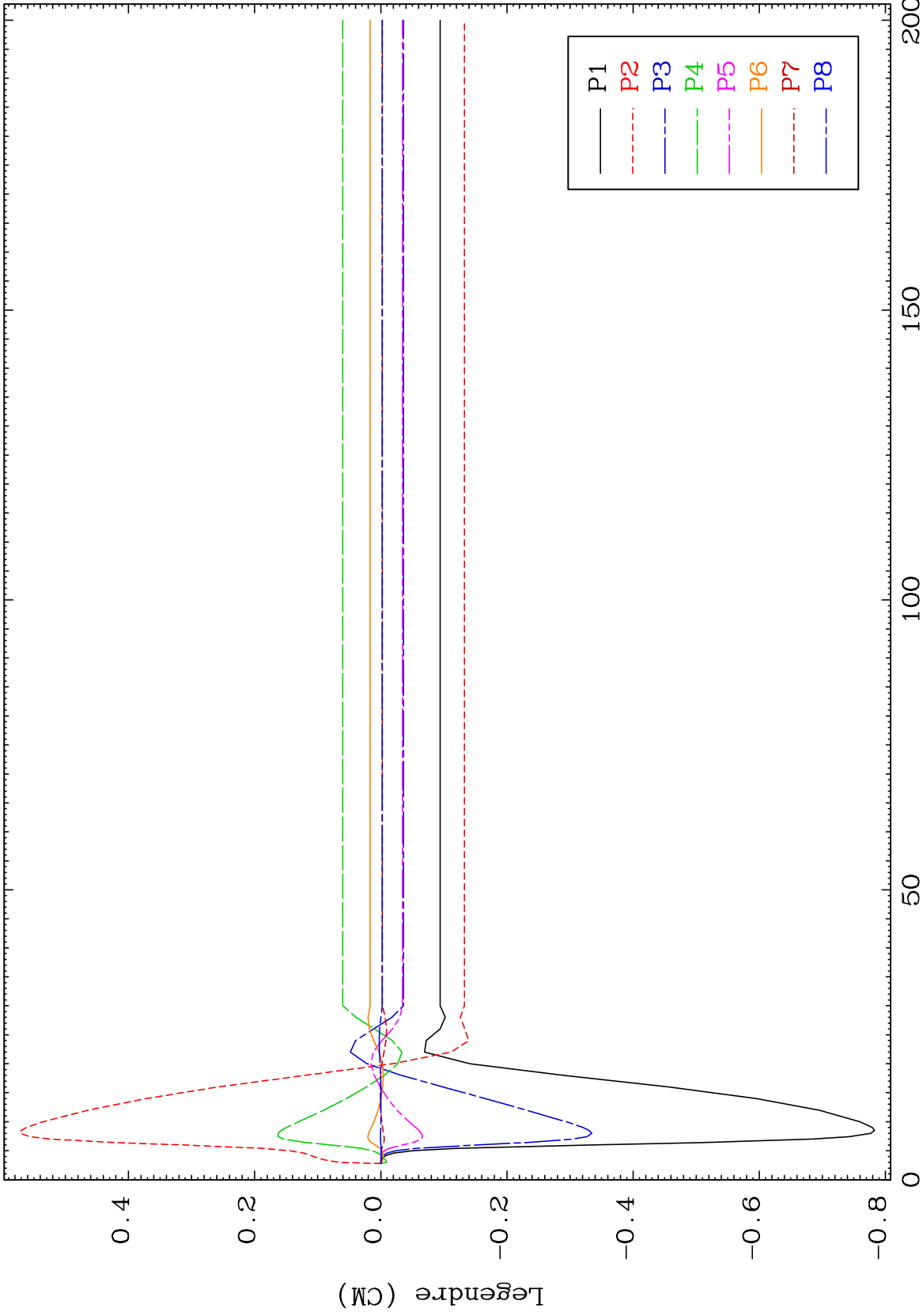
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



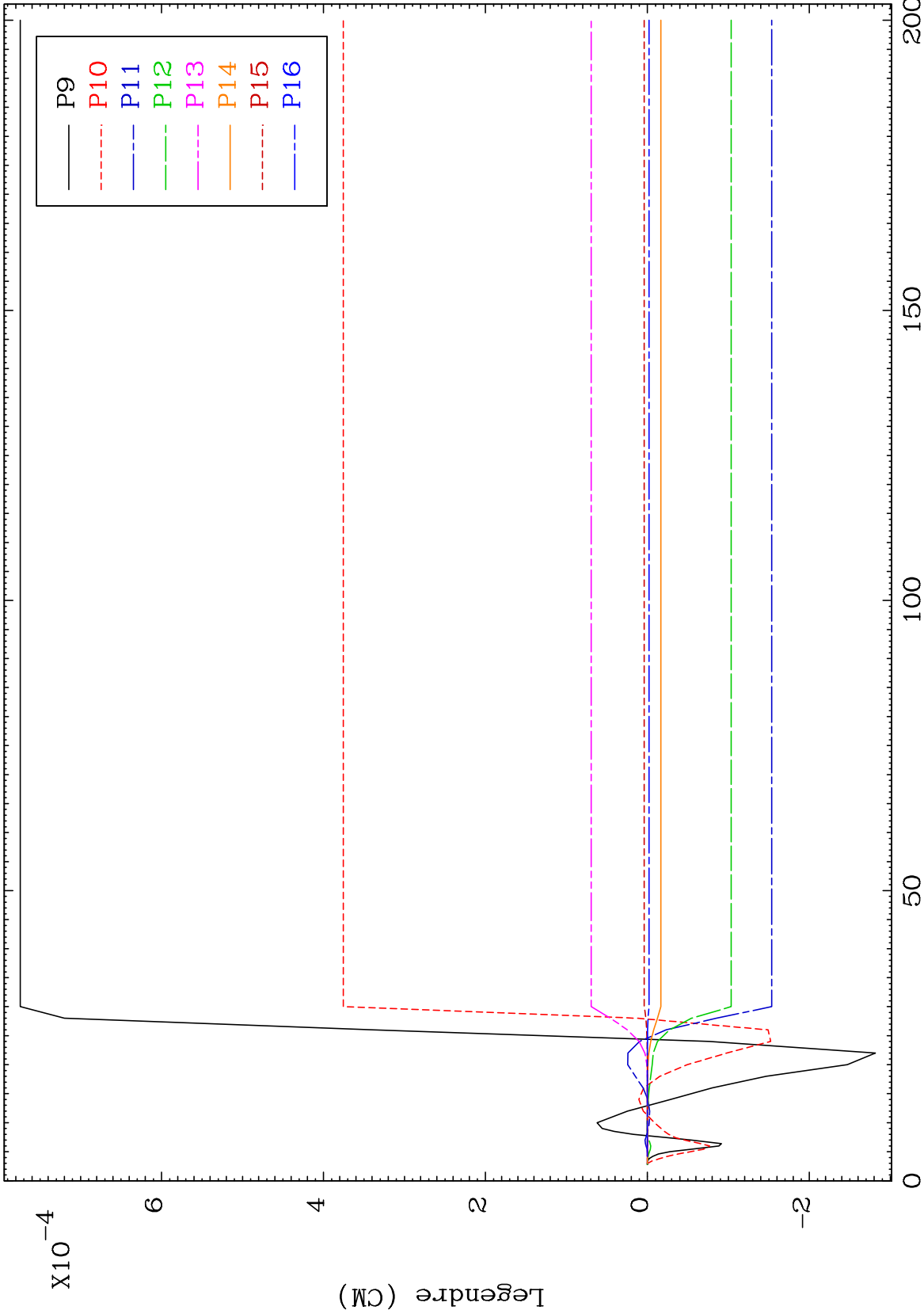
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70-Yb-152

MAT 6977

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

70-Yb-152



50

50

100

150

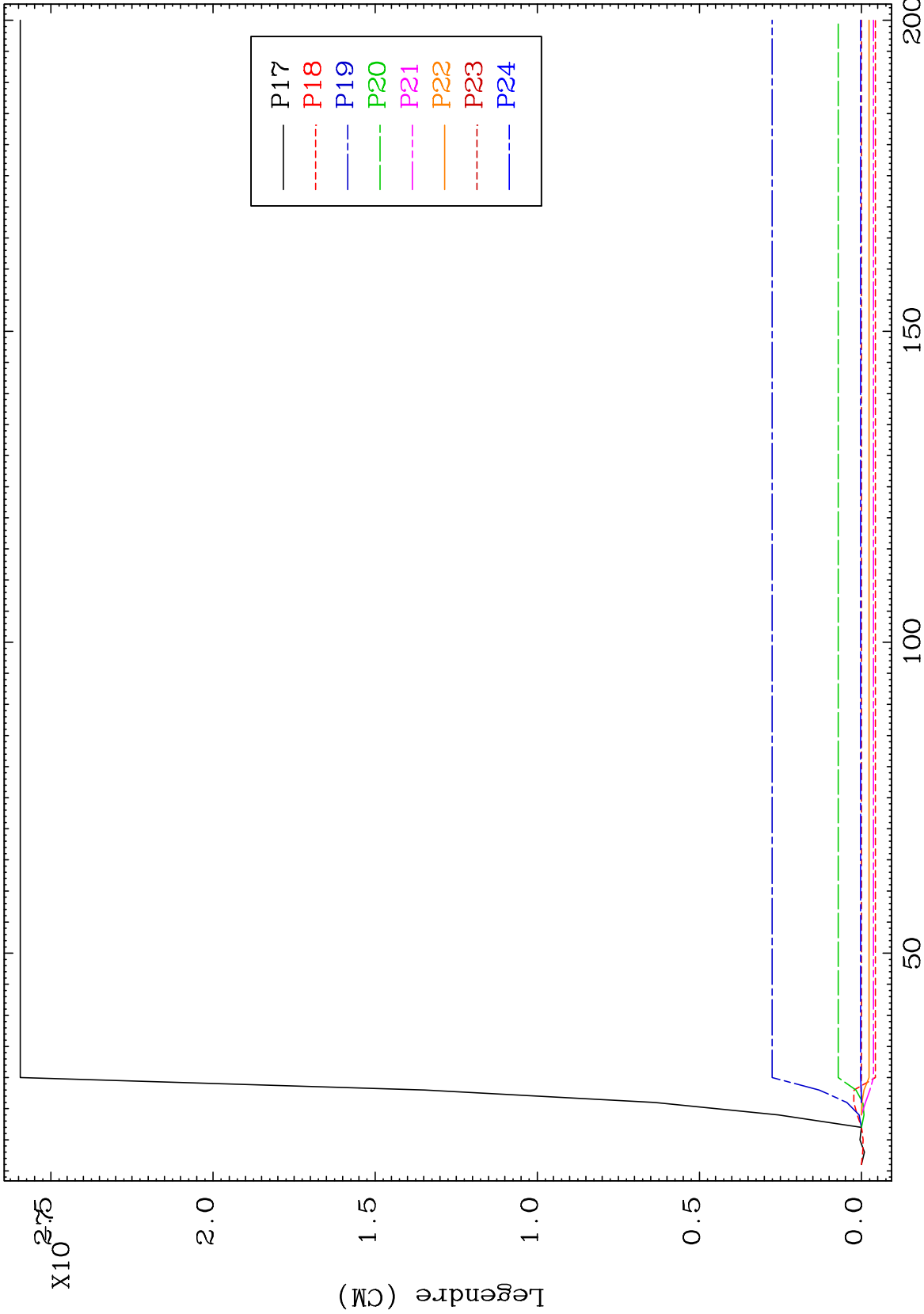
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70-Yb-152

MAT 6977

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

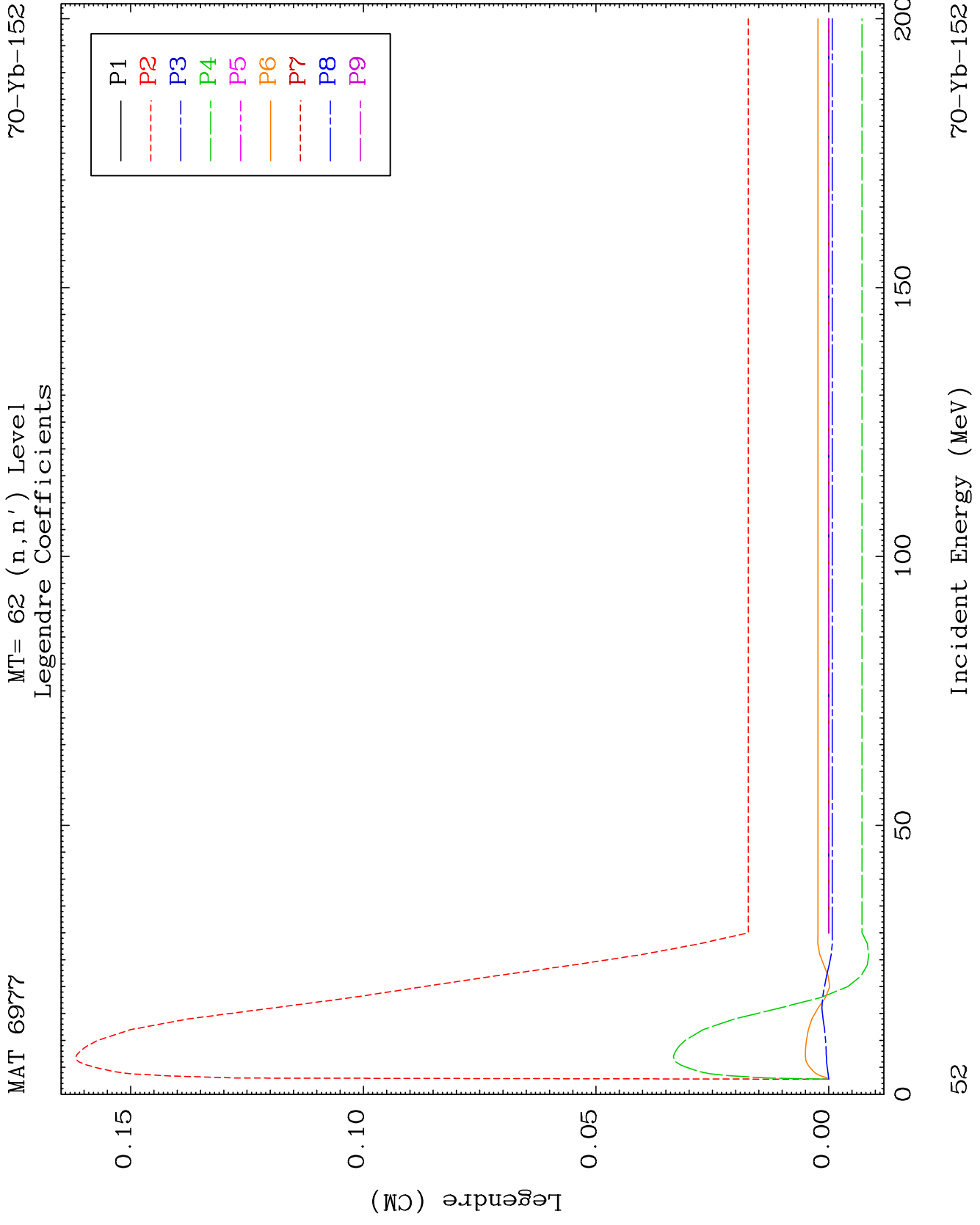
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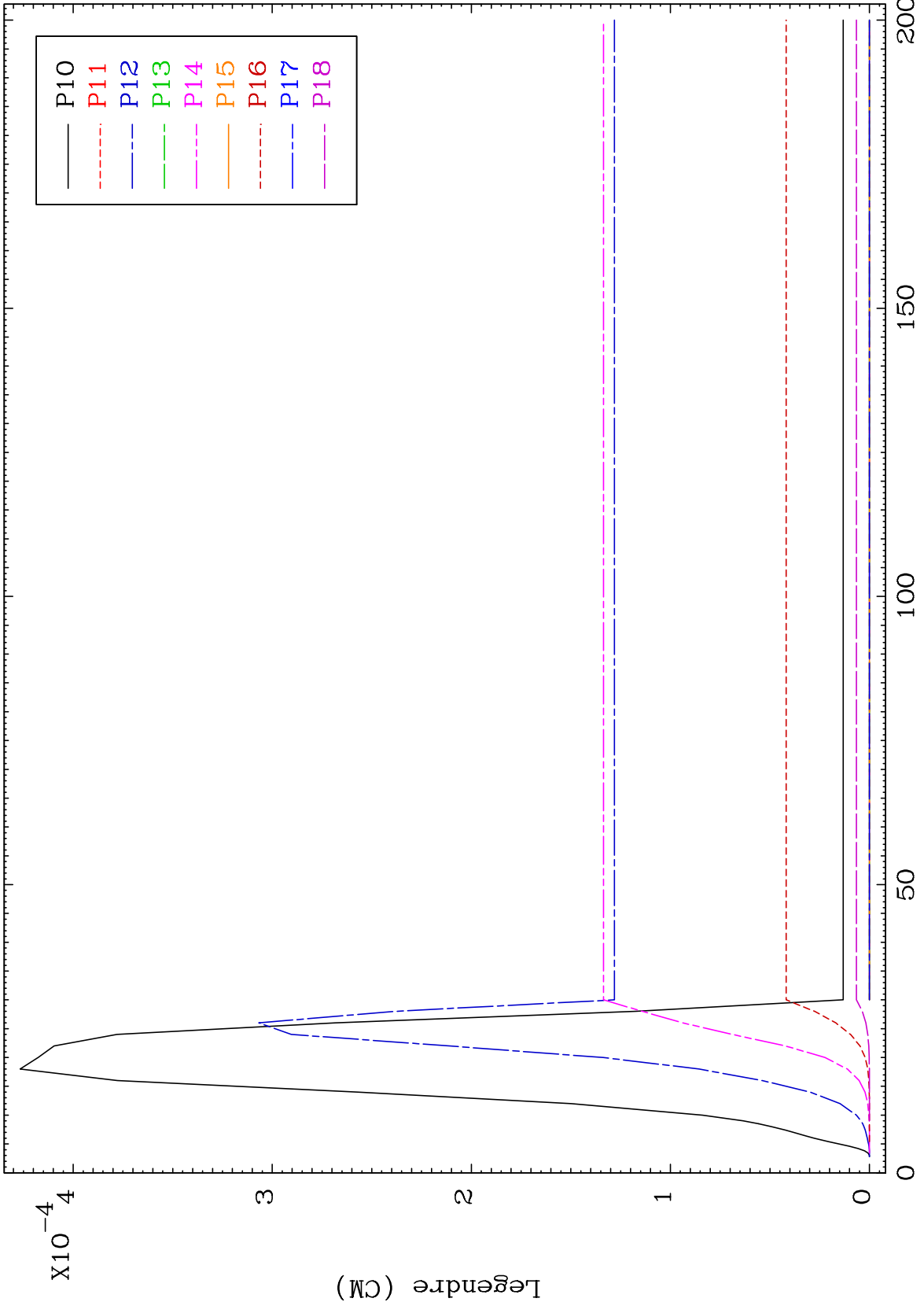
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Incident Energy (MeV)

70-Yb-152

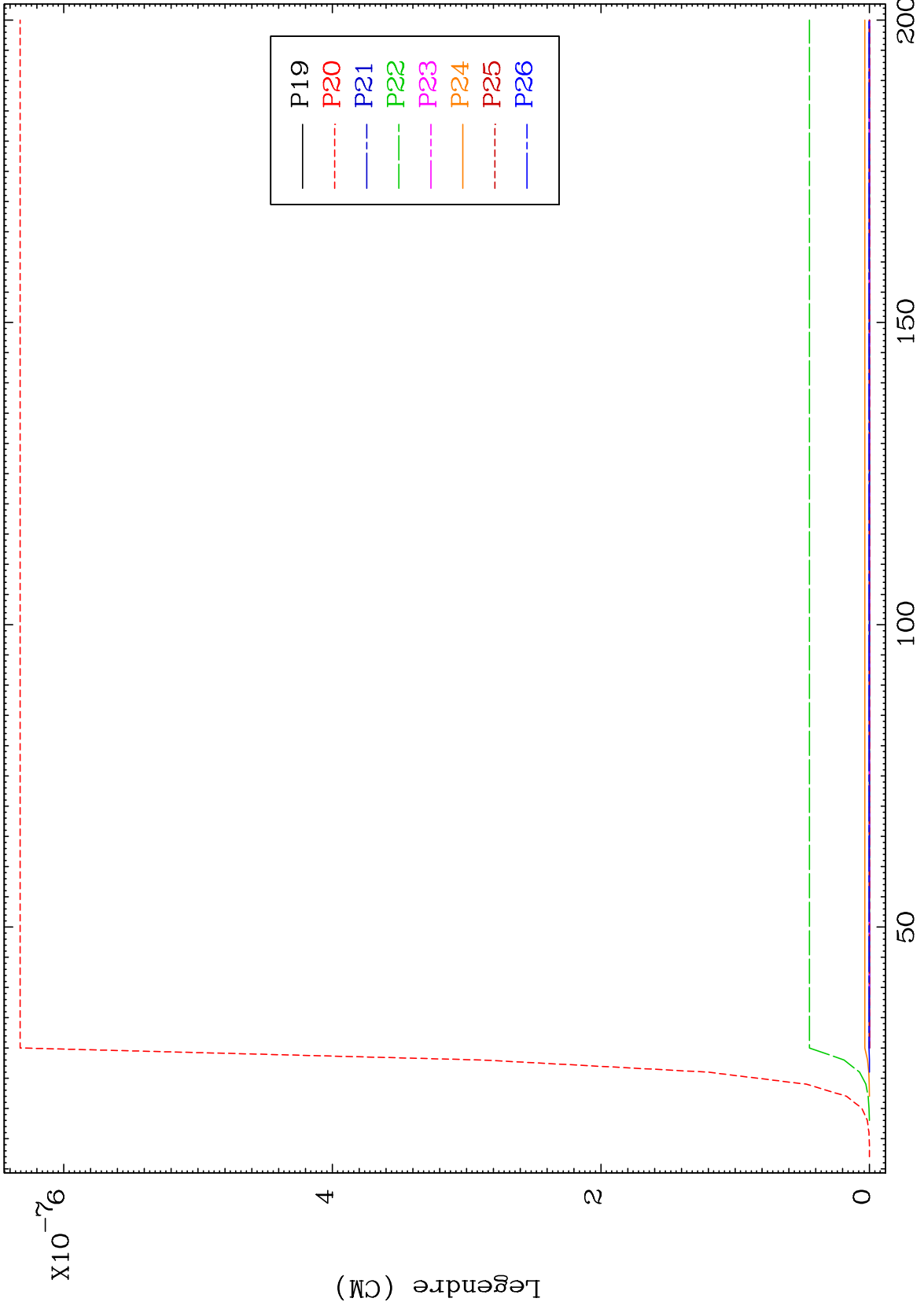


MAT 6977 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-152



53 70-Yb-152

MAT 6977 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-152

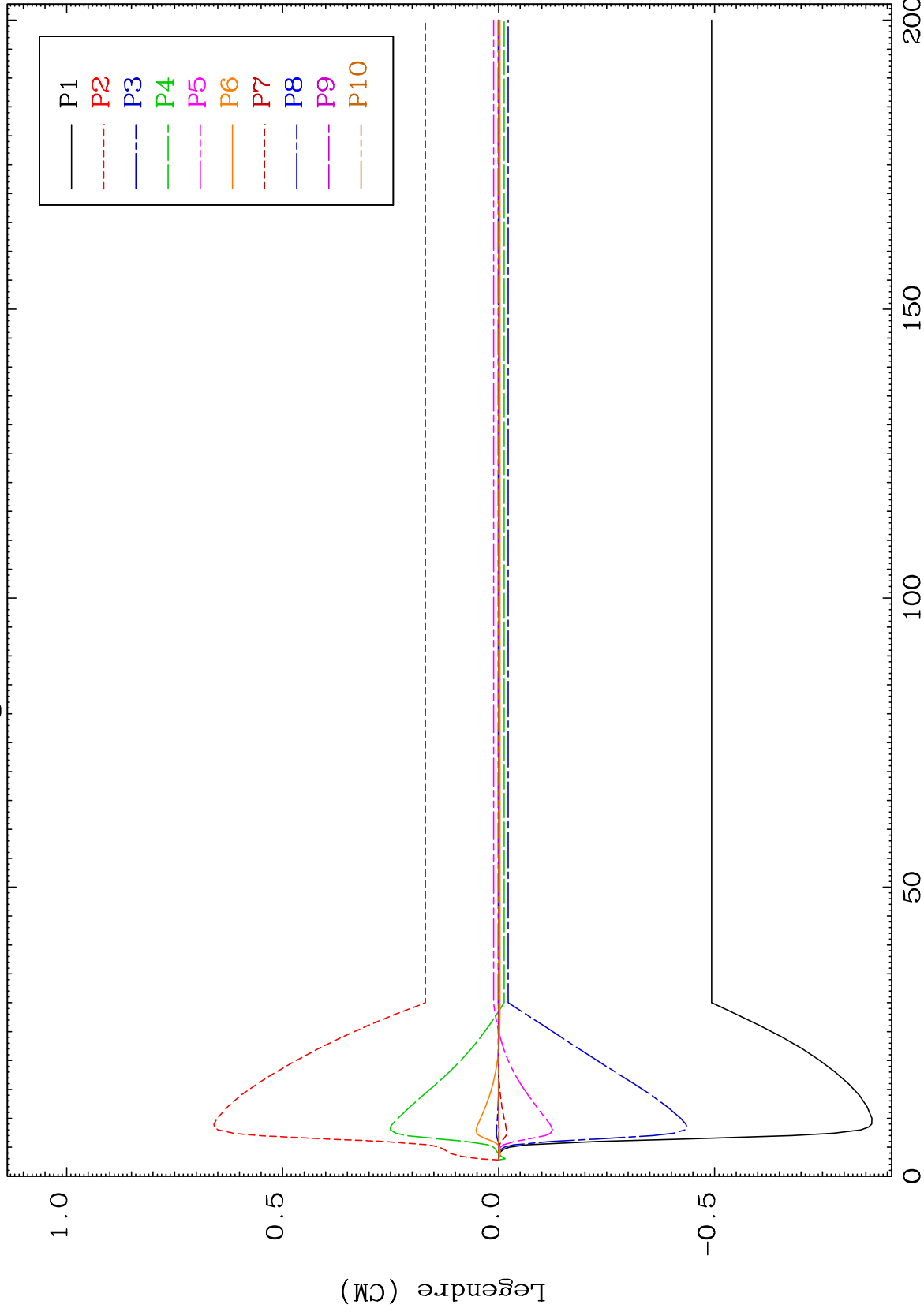


54 70-Yb-152

MAT 6977

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

70-Yb-152



55

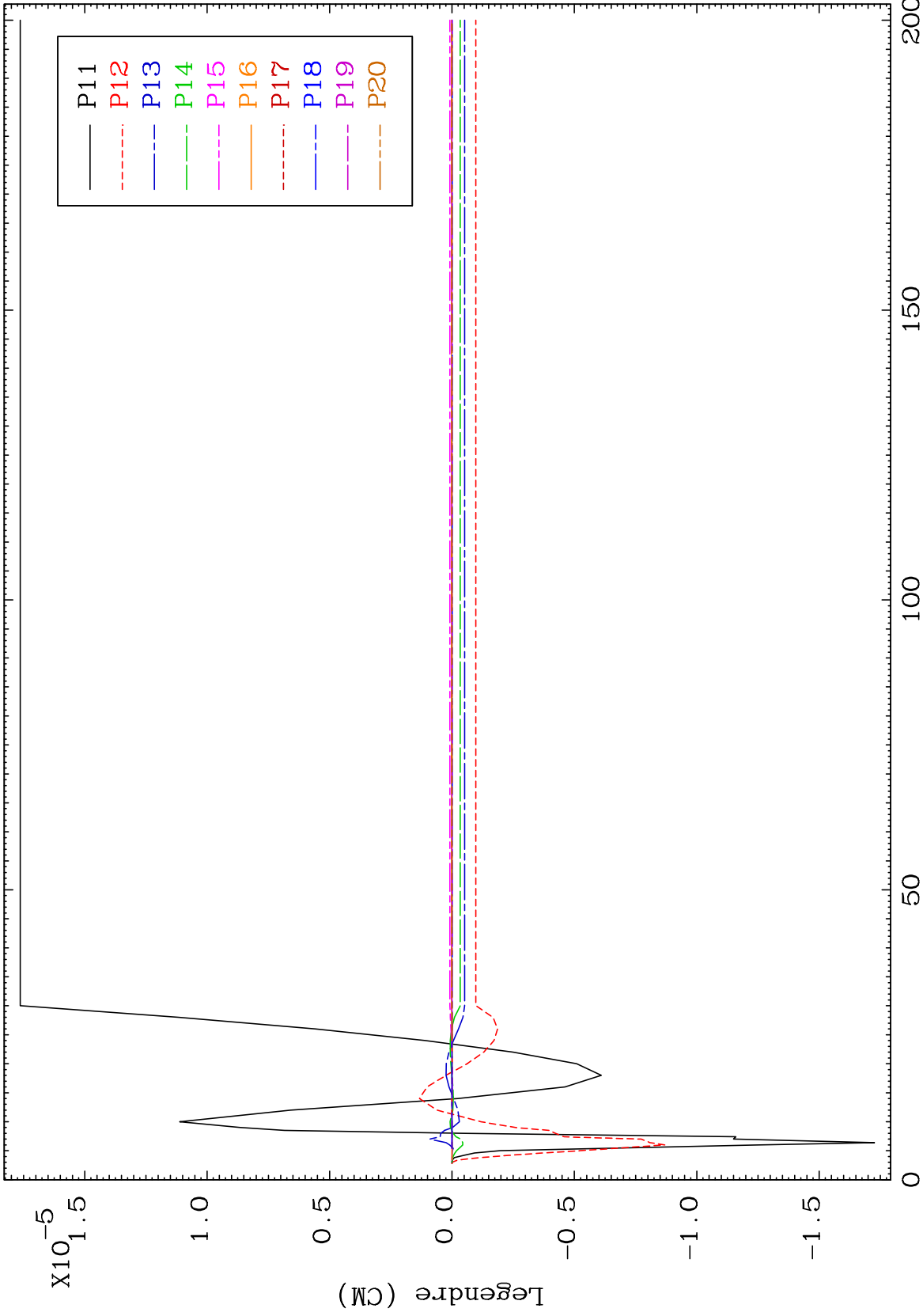
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



56

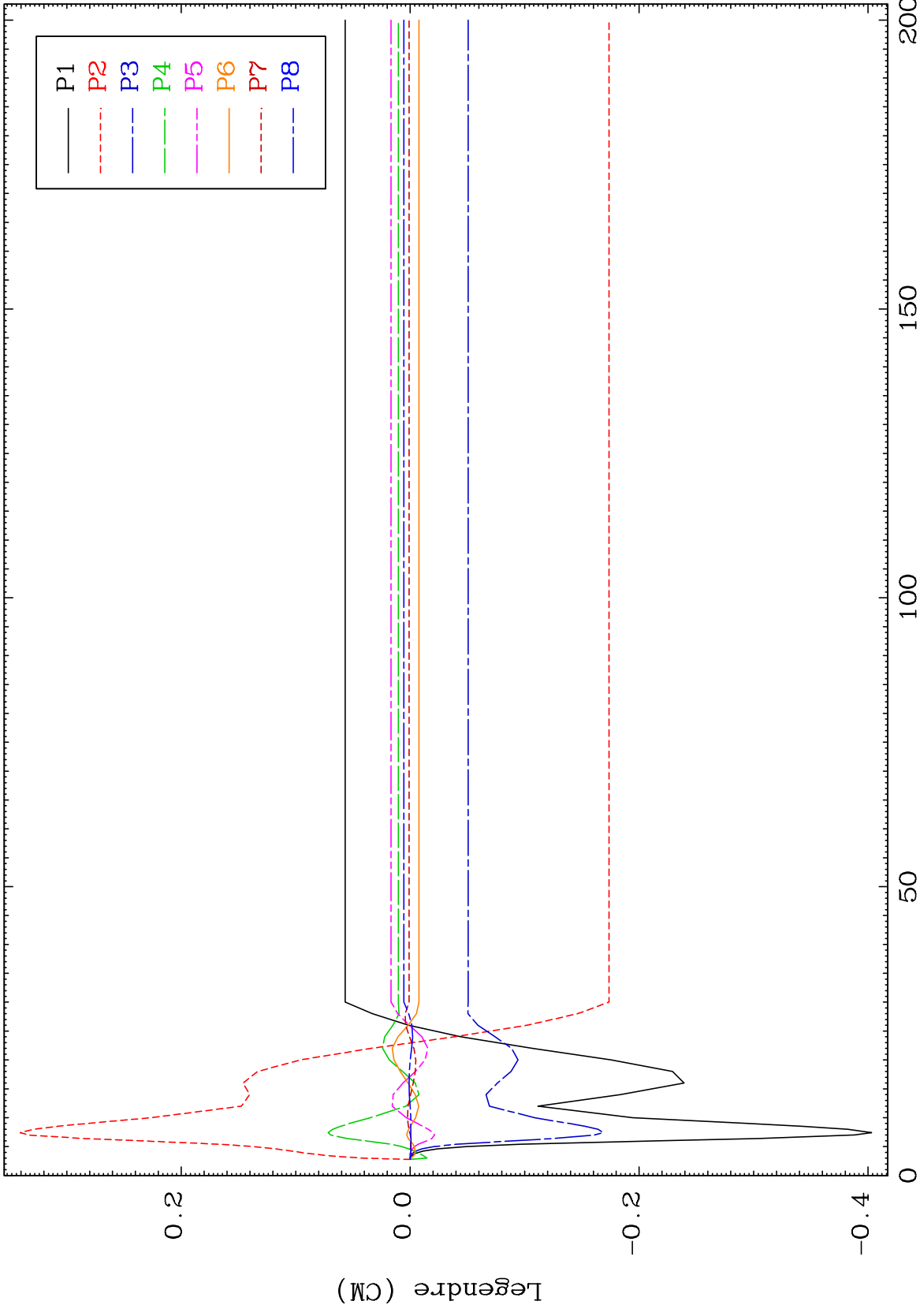
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



57

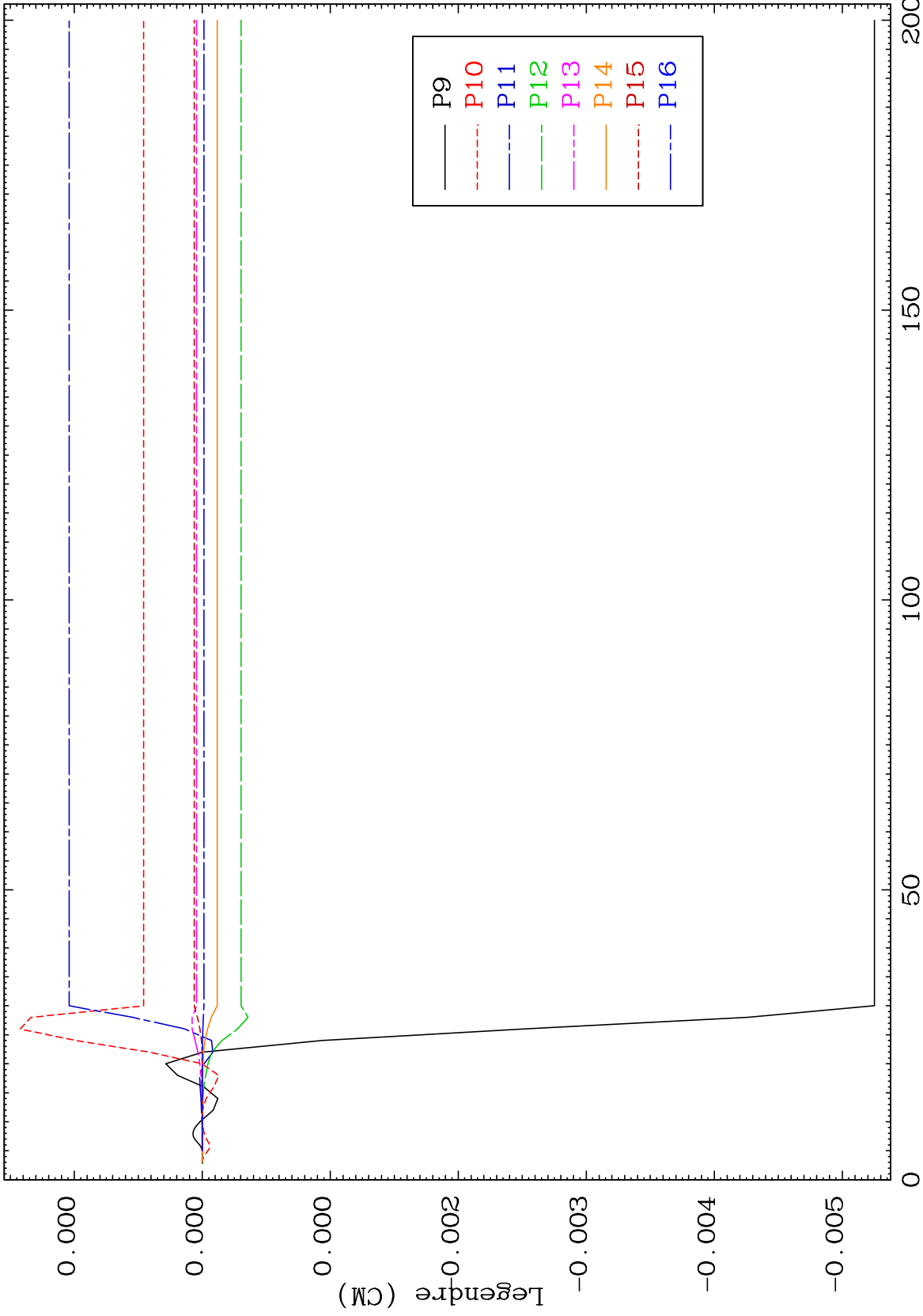
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



58

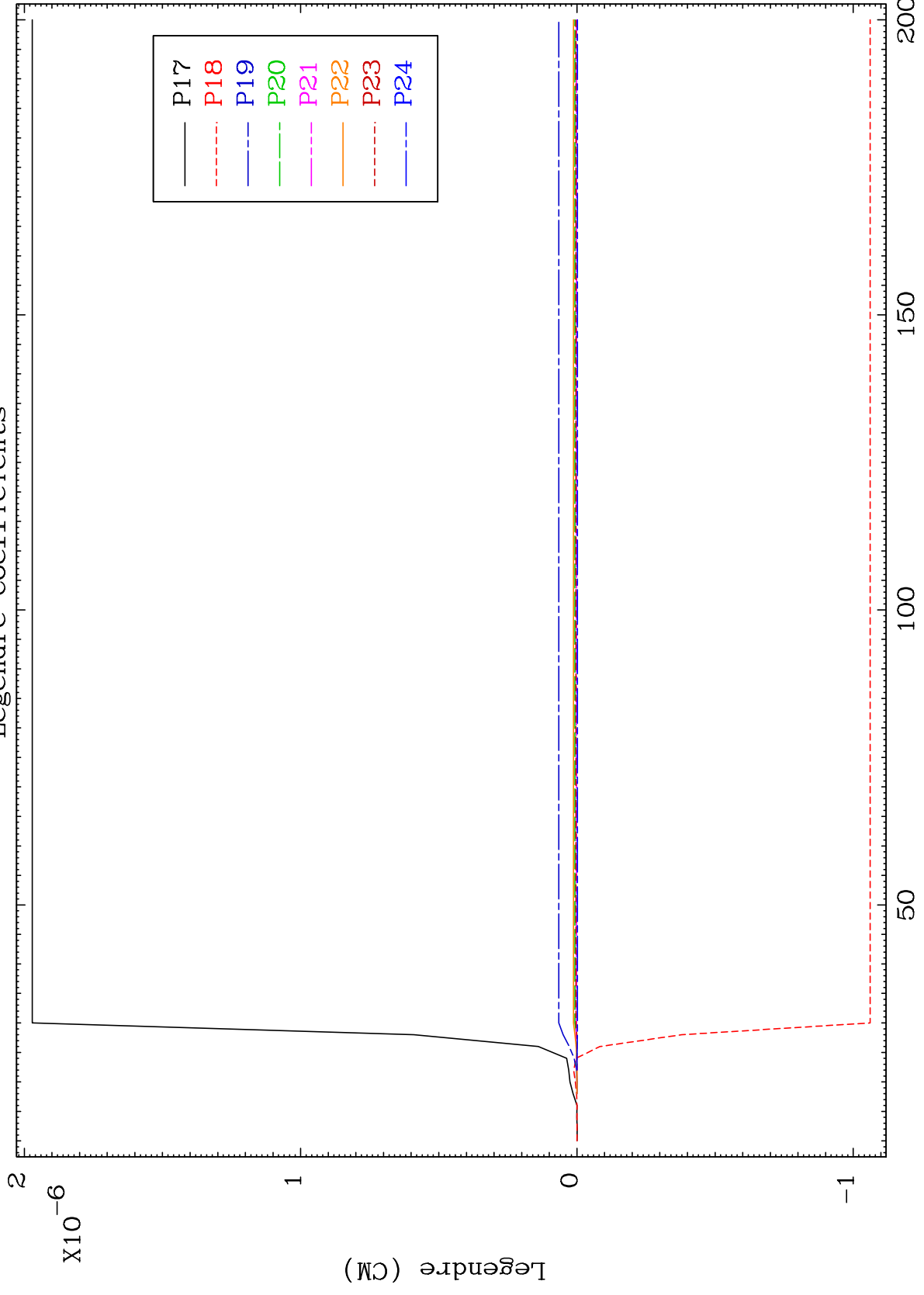
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

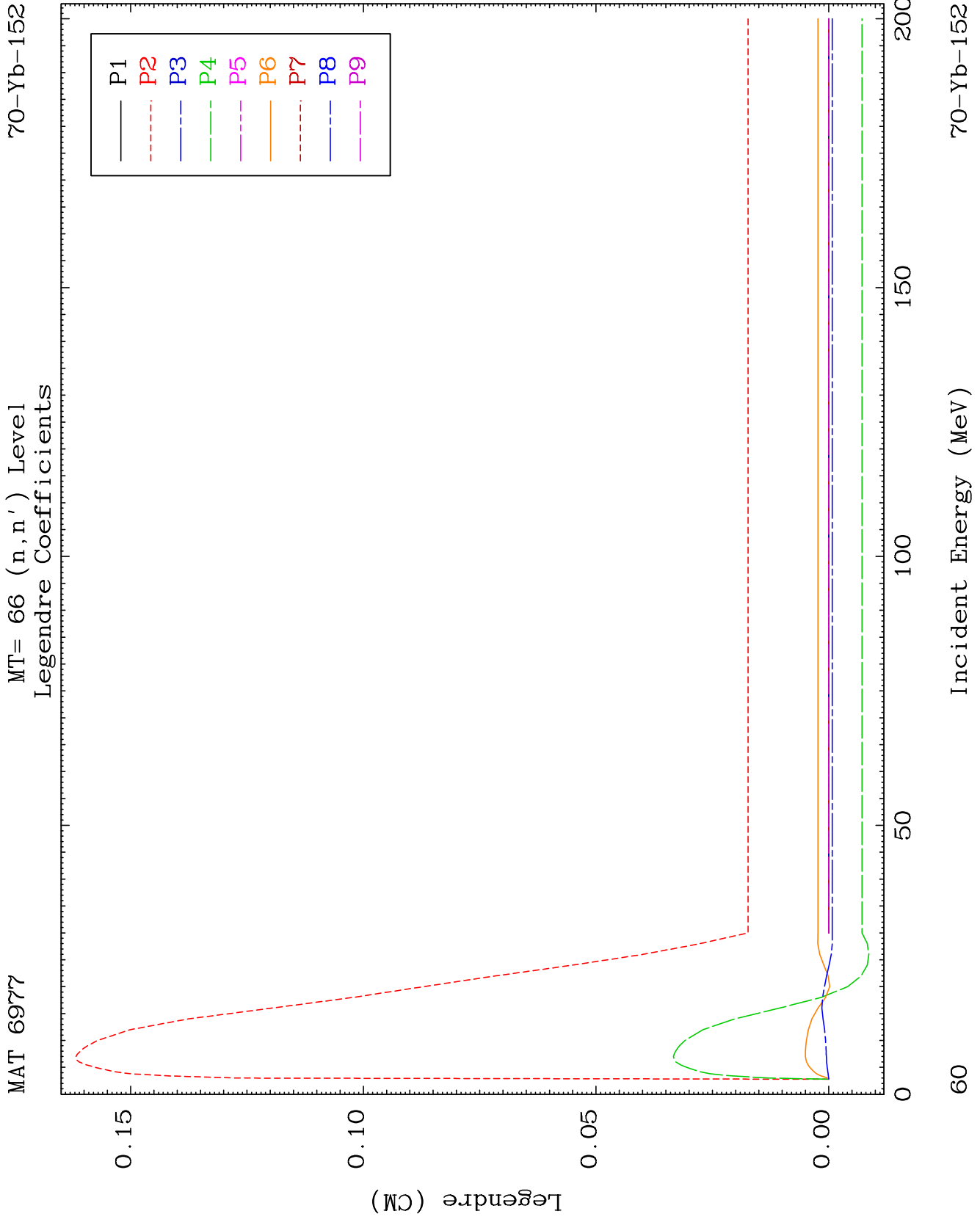
70-Yb-152



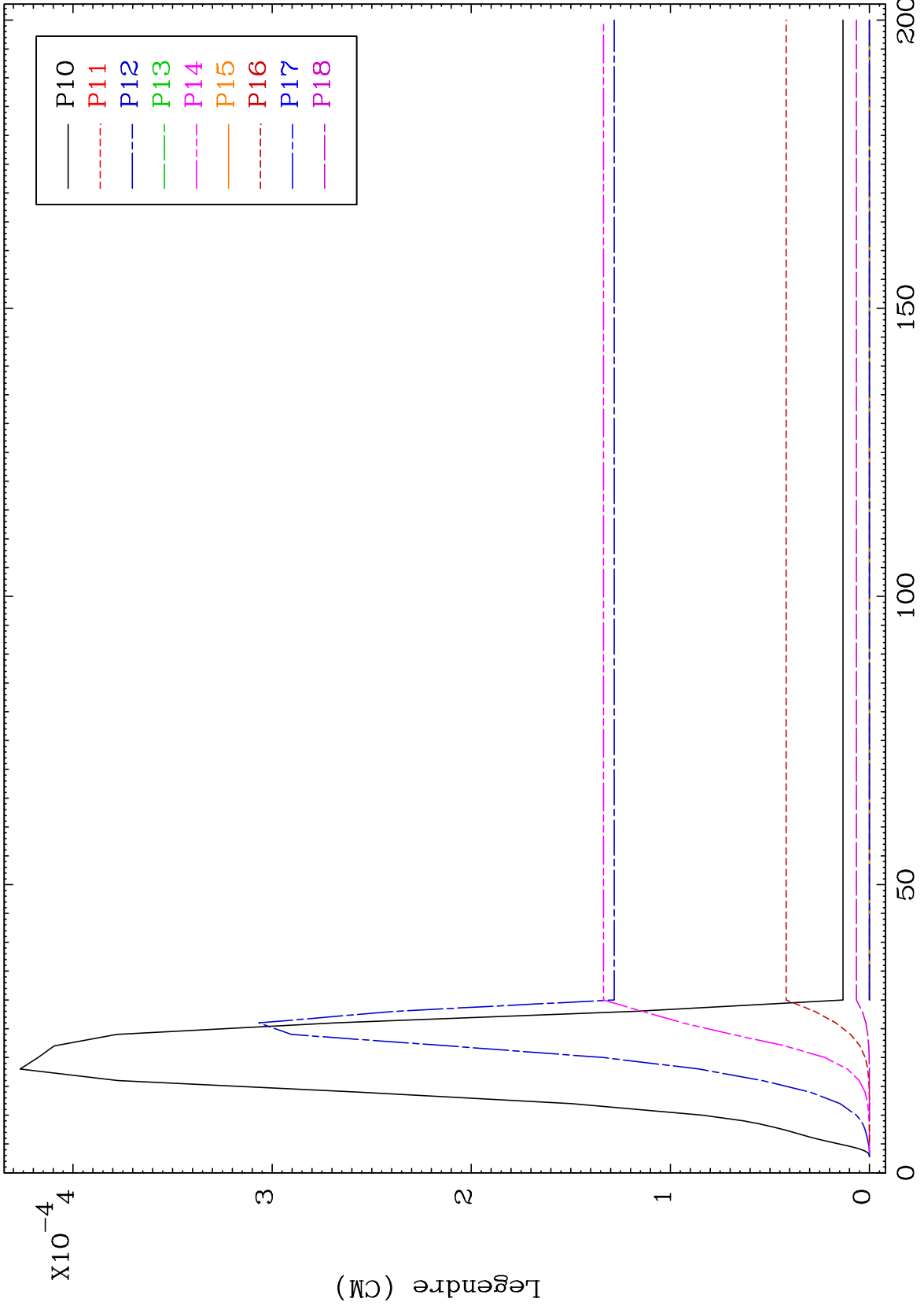
59

Incident Energy (MeV)

70-Yb-152

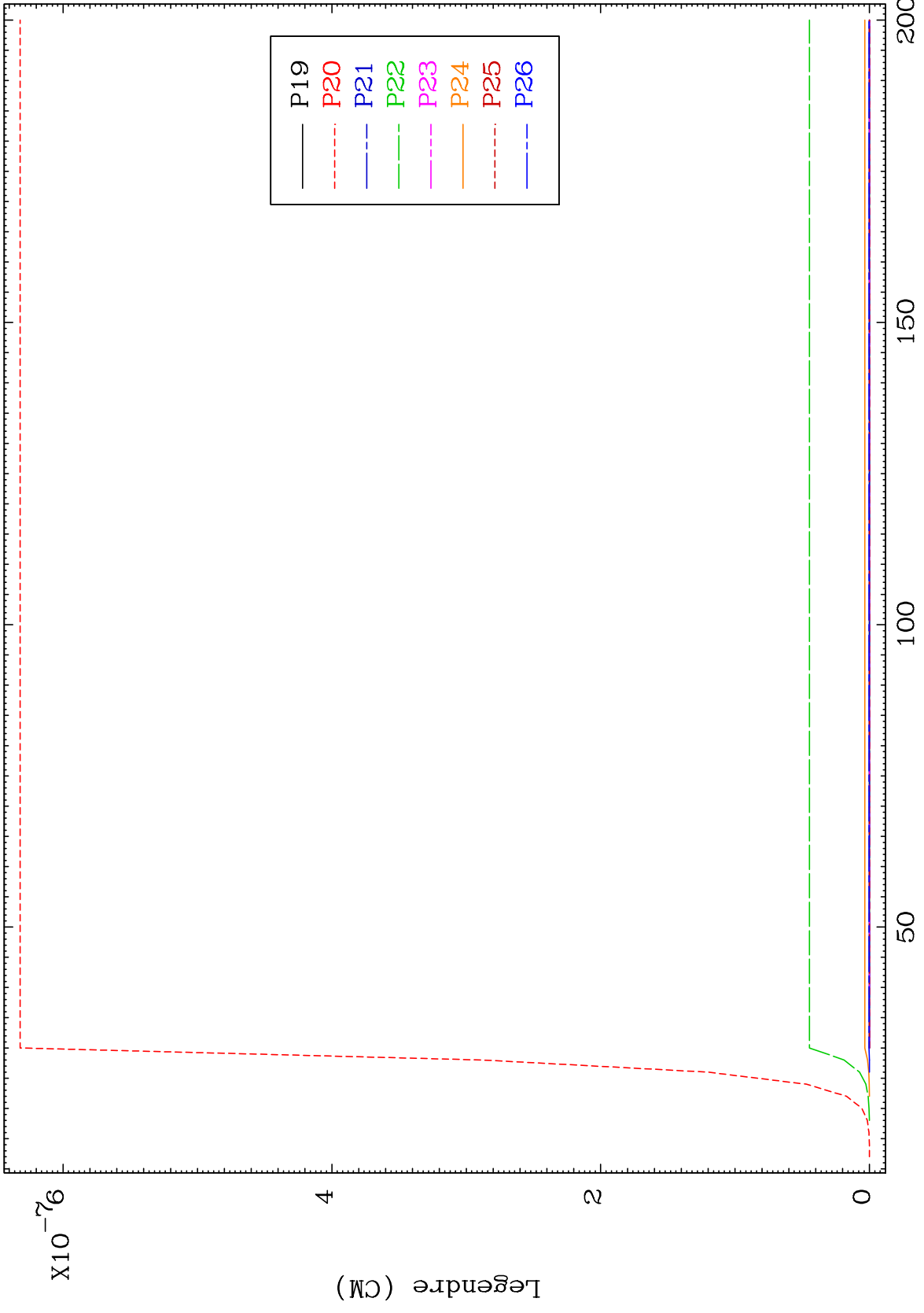


MAT 6977 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-152



61 70-Yb-152

MAT 6977 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-152

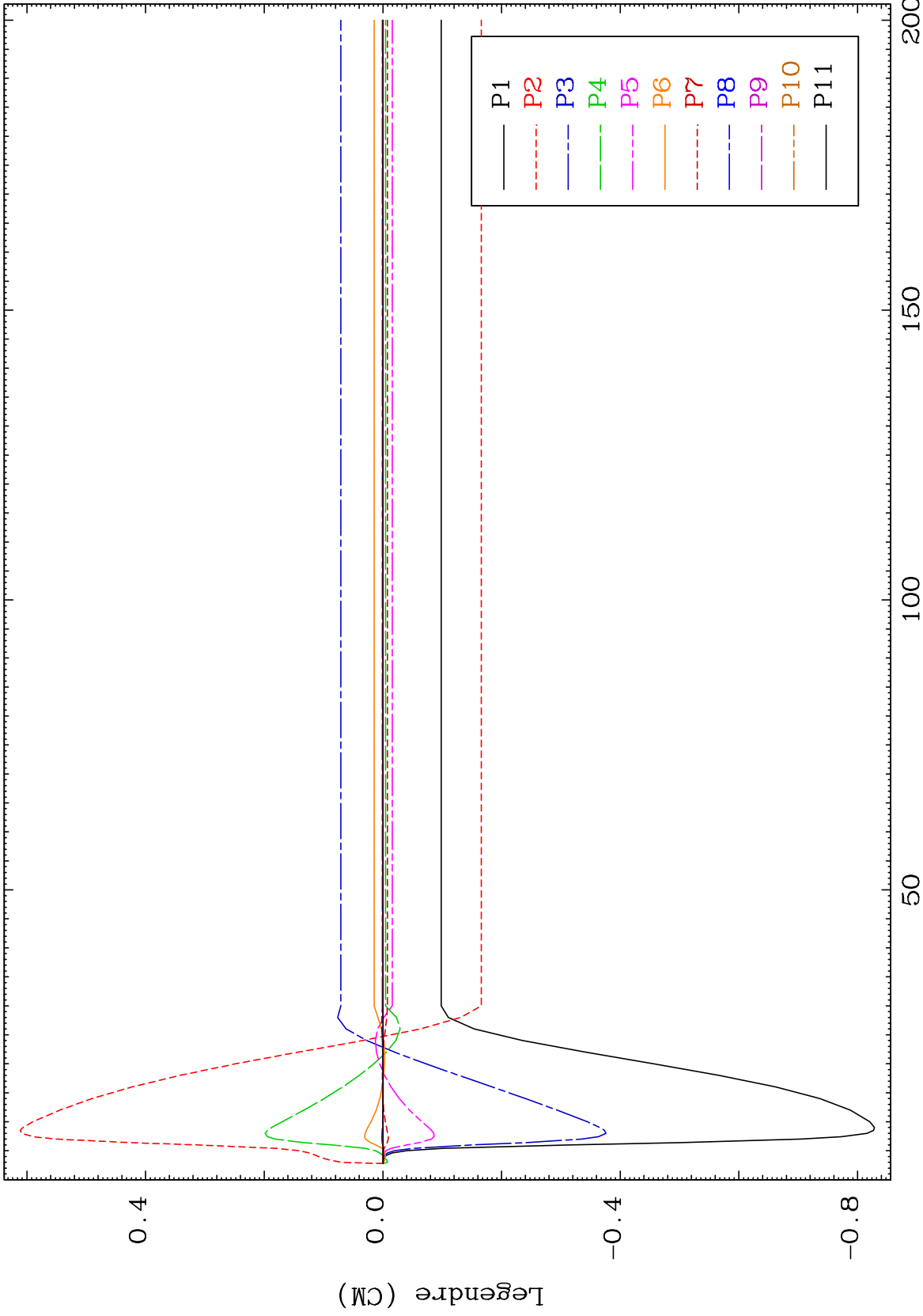


62 70-Yb-152

MAT 6977

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

70-Yb-152



63

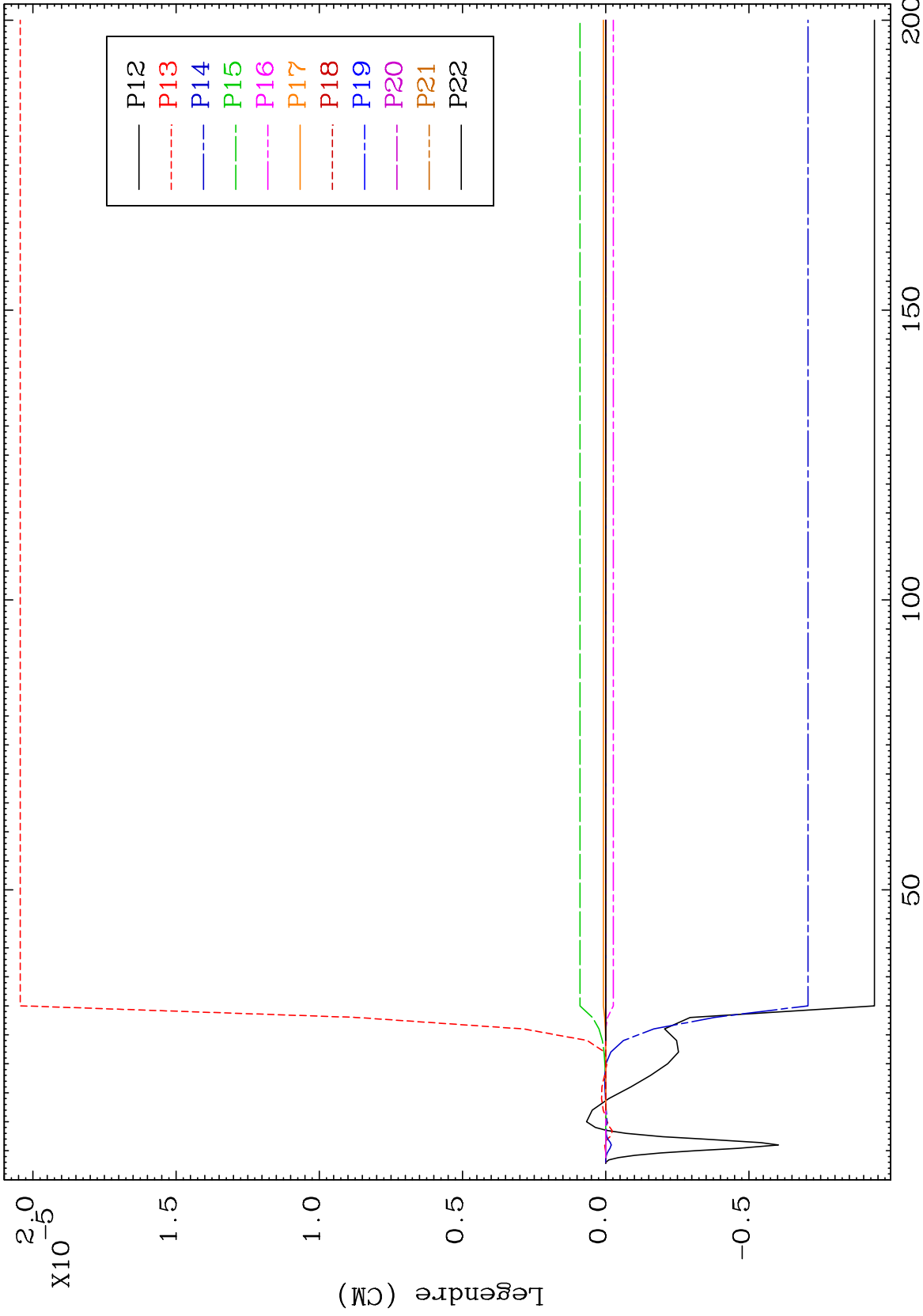
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



64

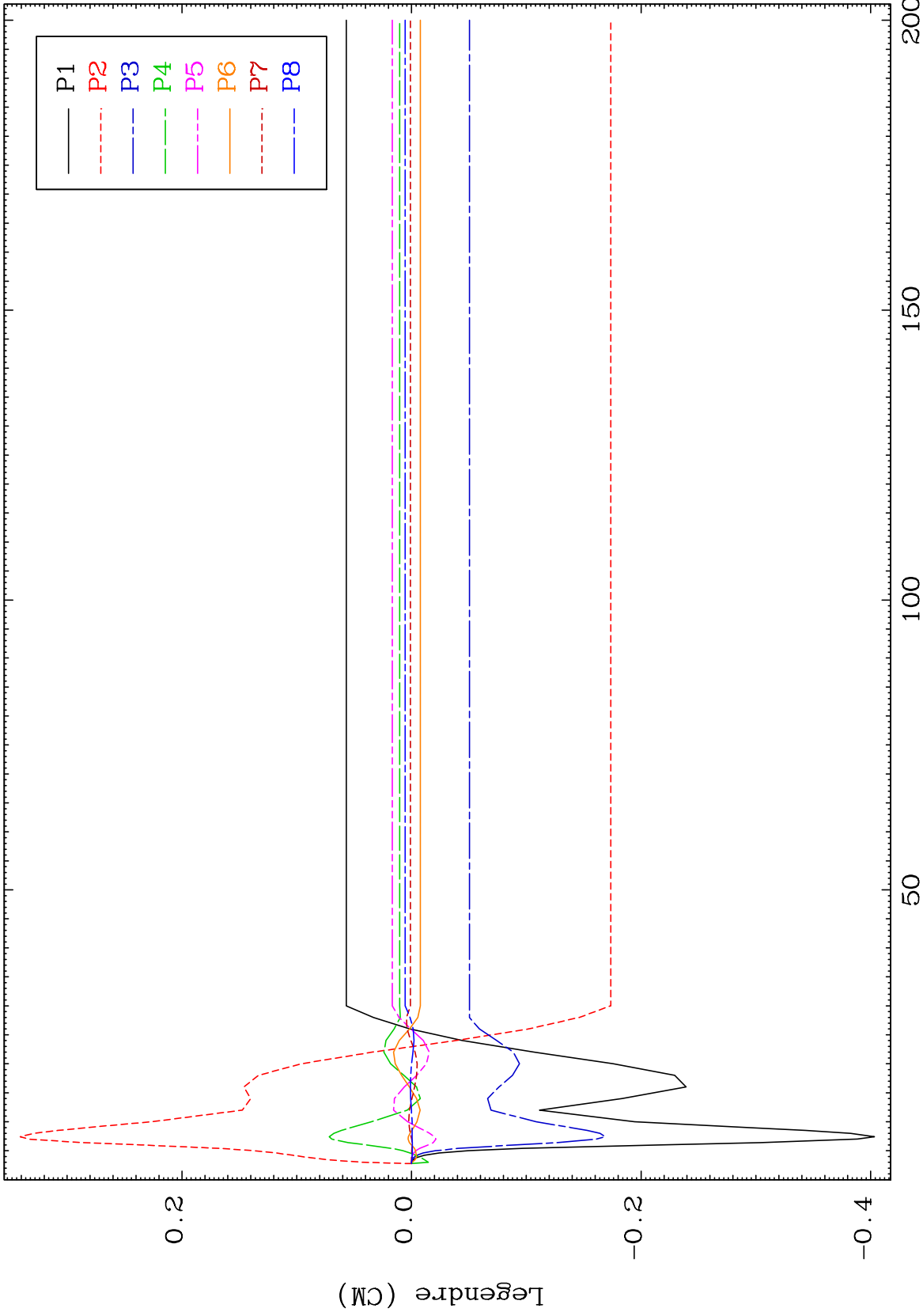
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



65

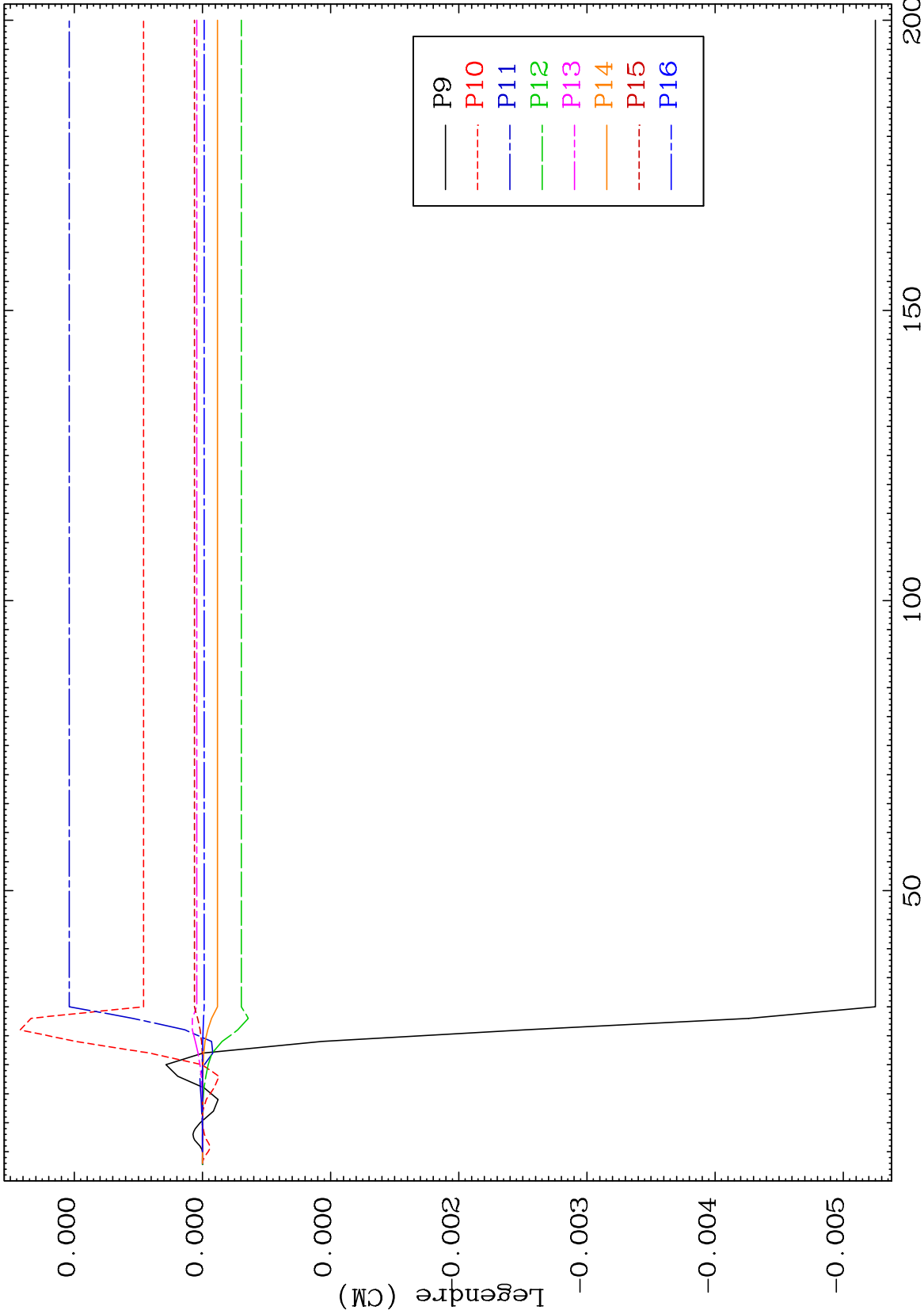
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



66

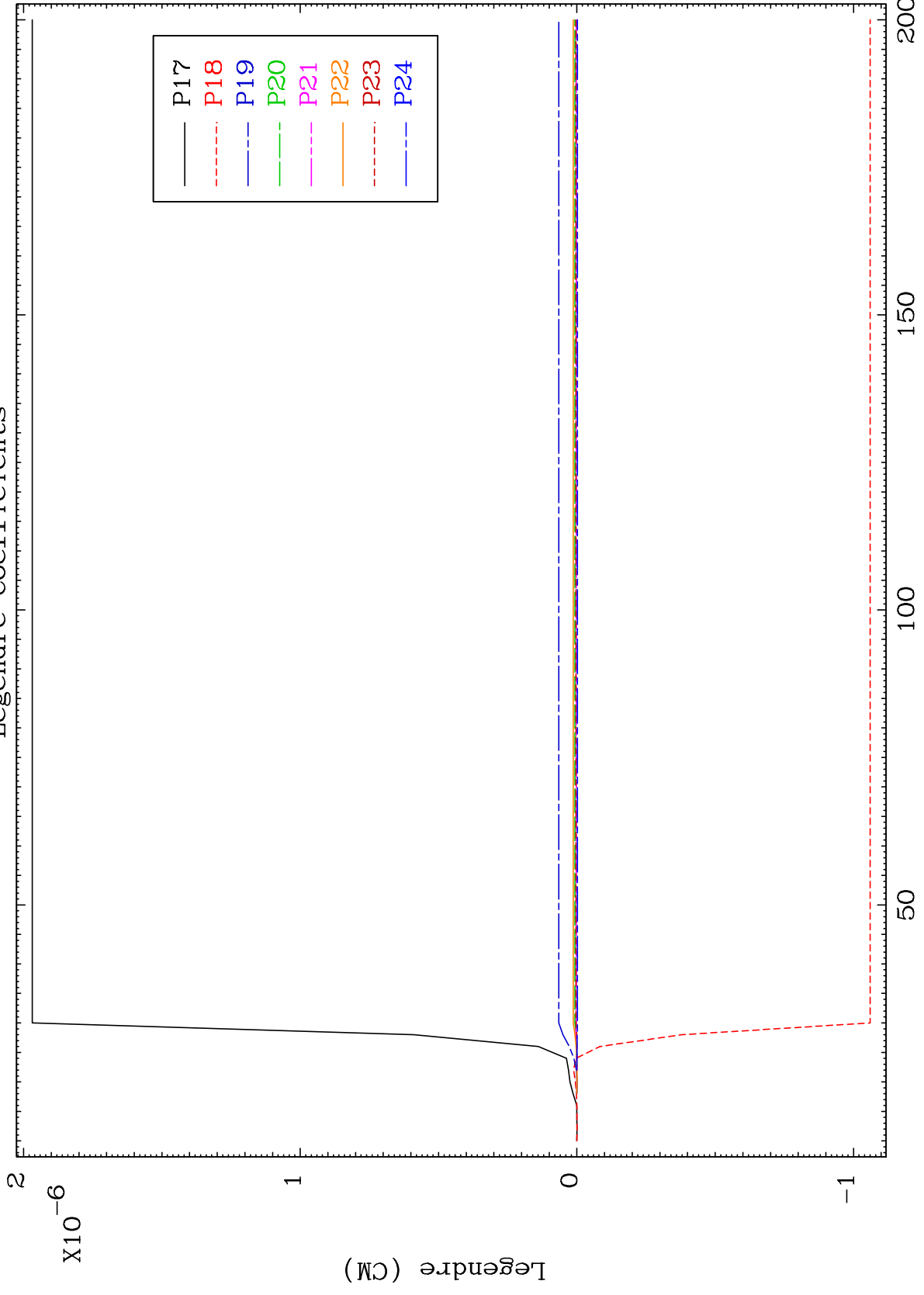
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



67

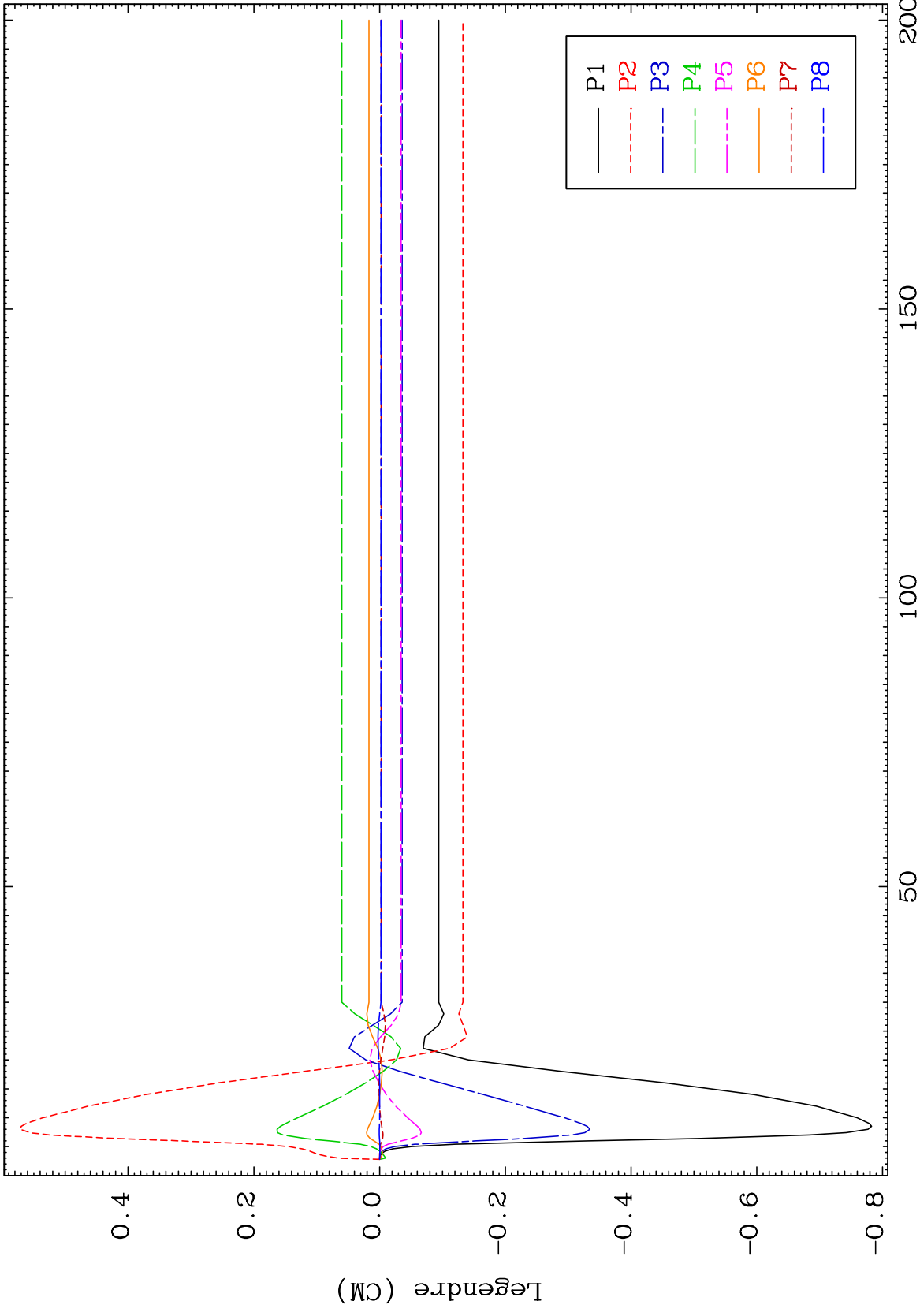
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



68

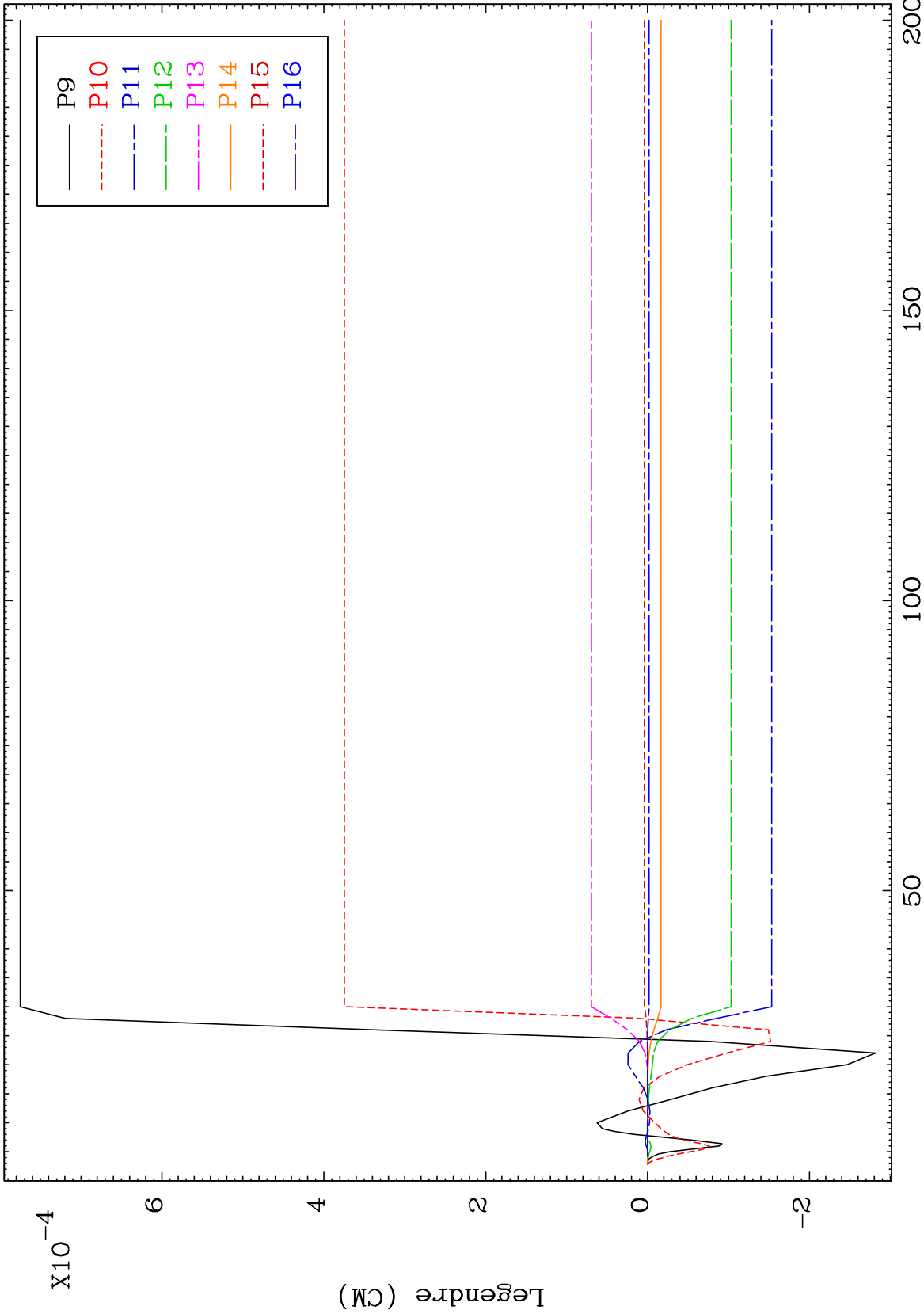
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



69

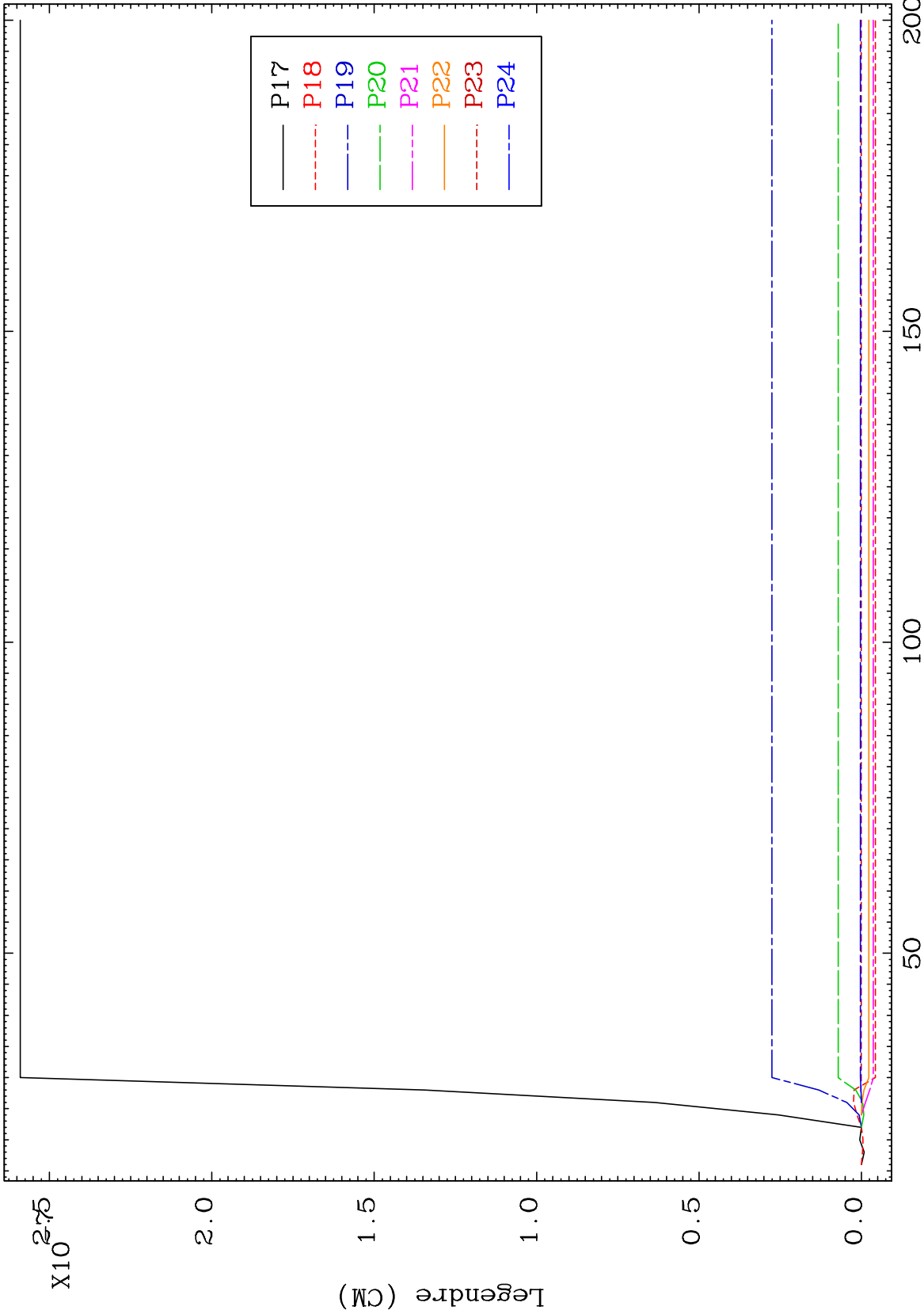
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



70

Incident Energy (MeV)

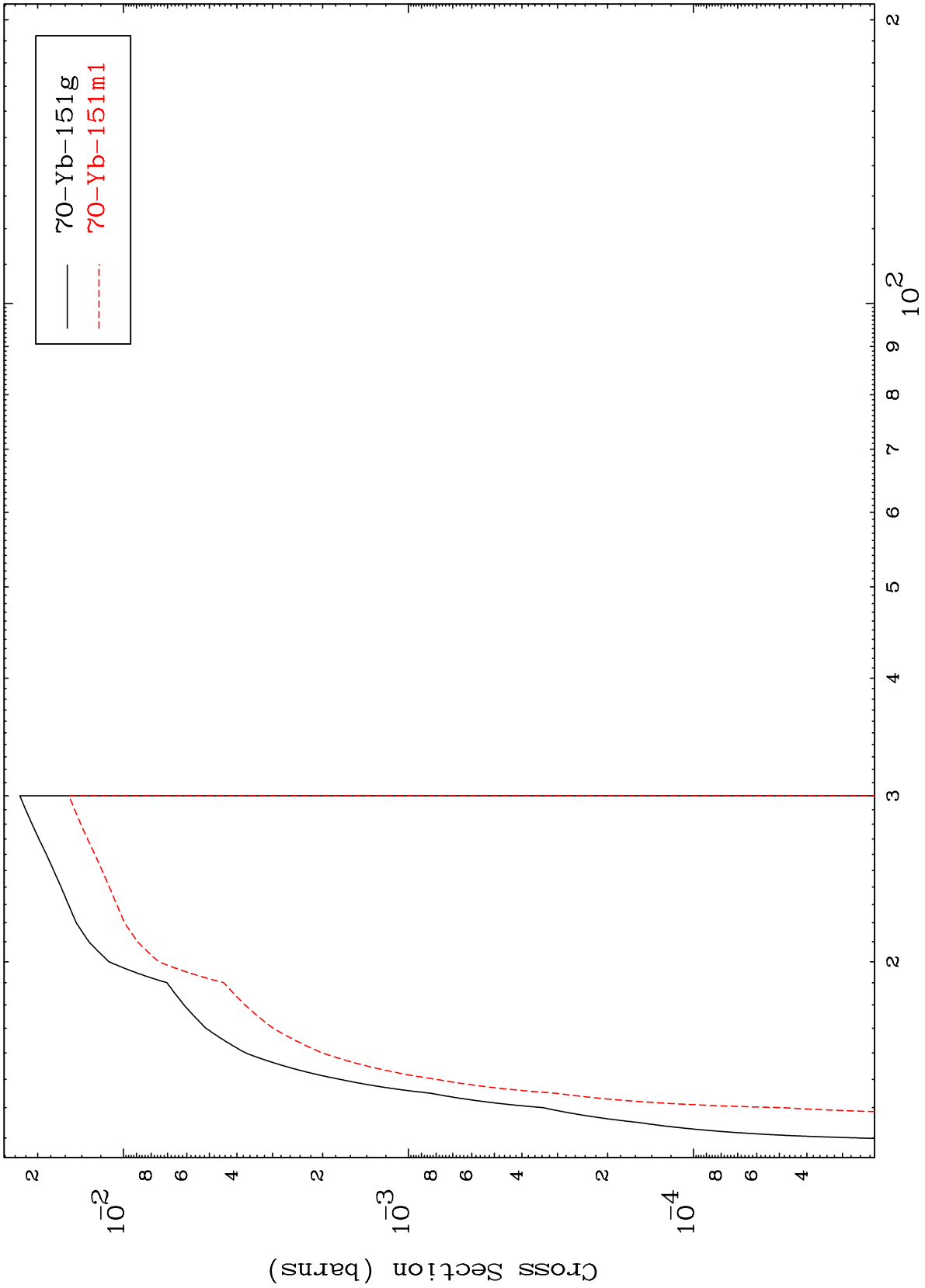
70-Yb-152

MAT 6977

(n,2n)

70-Yb-152

Radionuclide Production Cross Section



70-Yb-151g
70-Yb-151m1

71

Incident Energy (MeV)

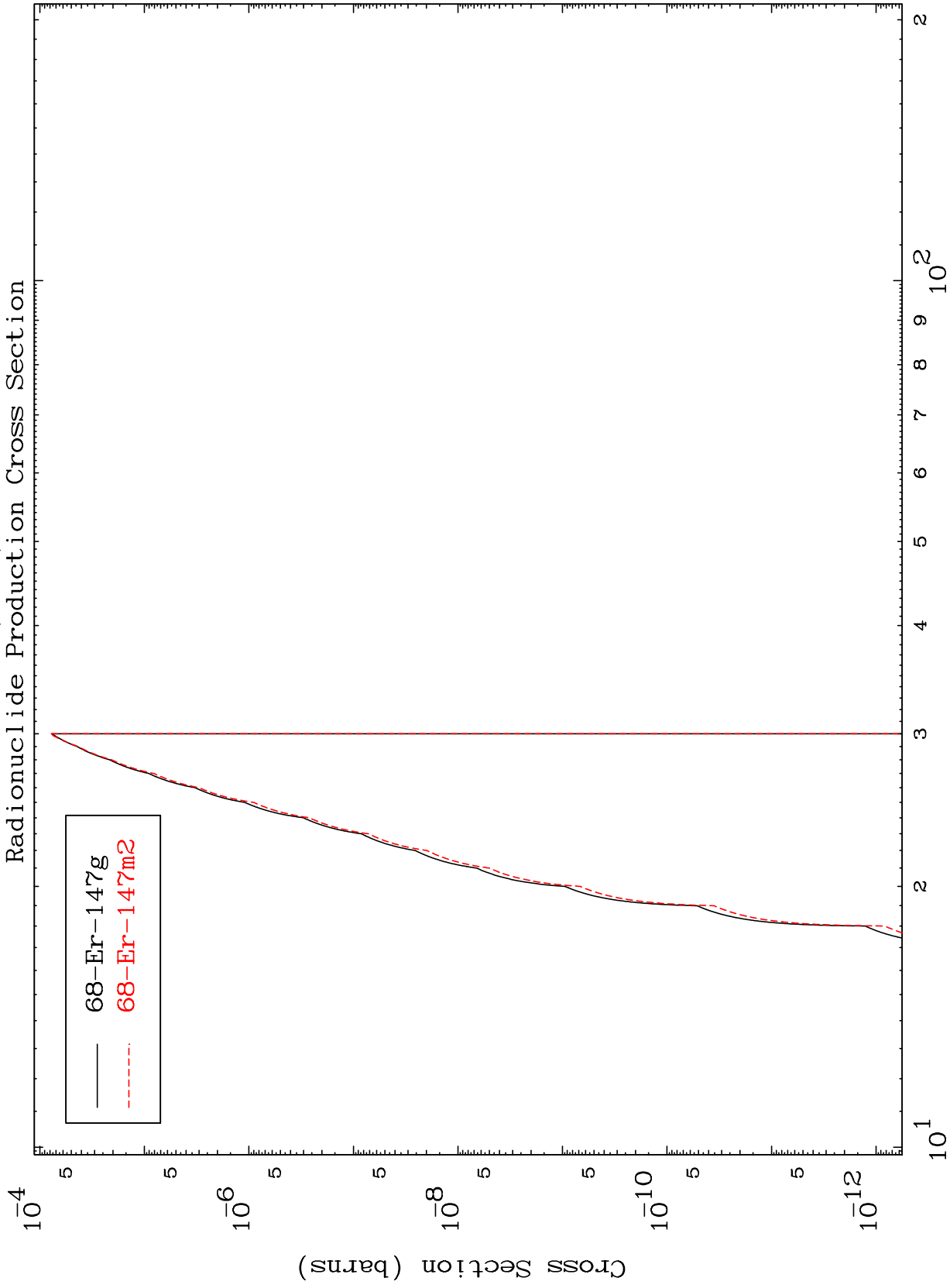
70-Yb-152

MAT 6977

(n,2n) α

70-Yb-152

Radionuclide Production Cross Section



72

Incident Energy (MeV)

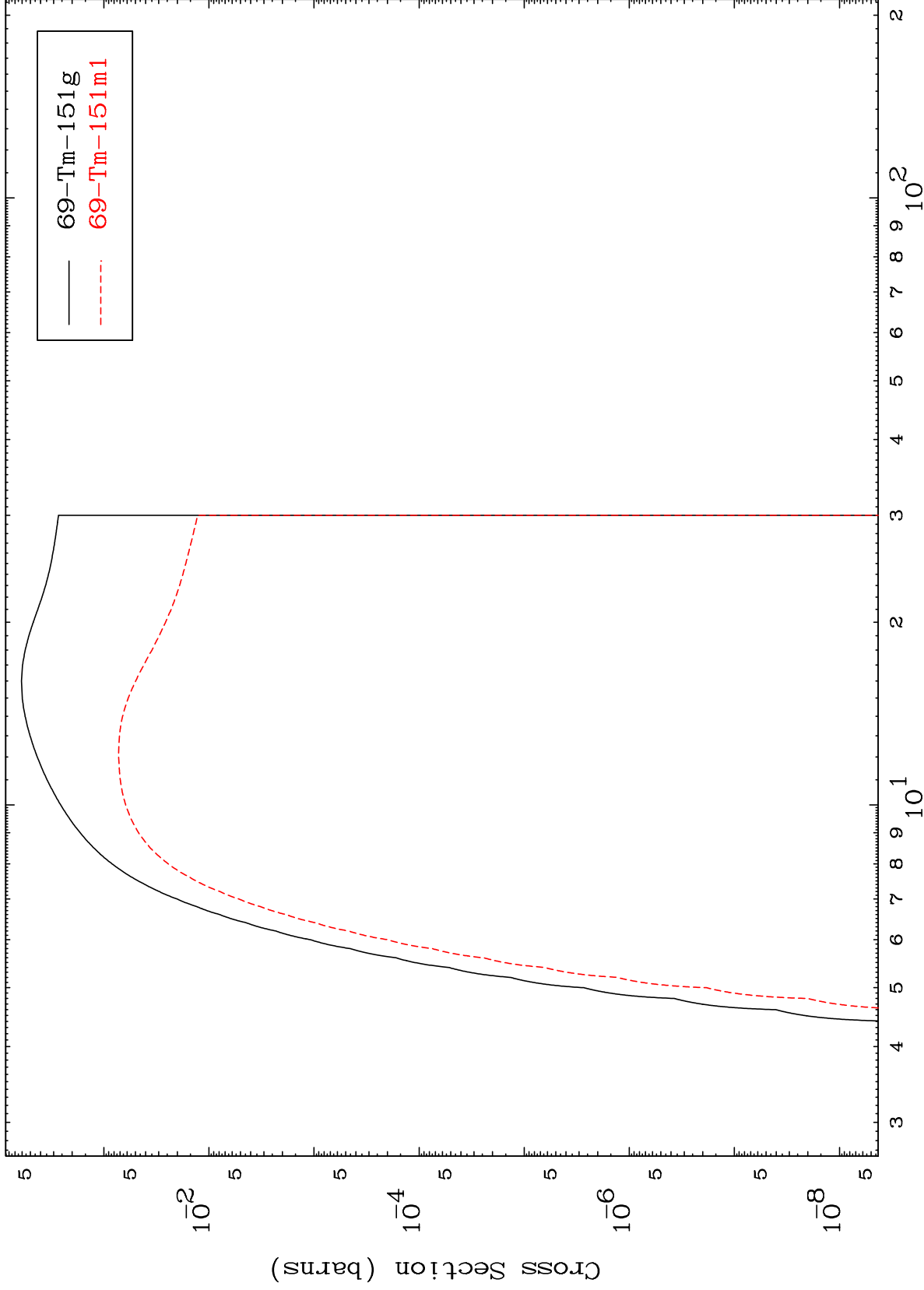
70-Yb-152

MAT 6977

(n,n') p

70-Yb-152

Radionuclide Production Cross Section



73

Incident Energy (MeV)

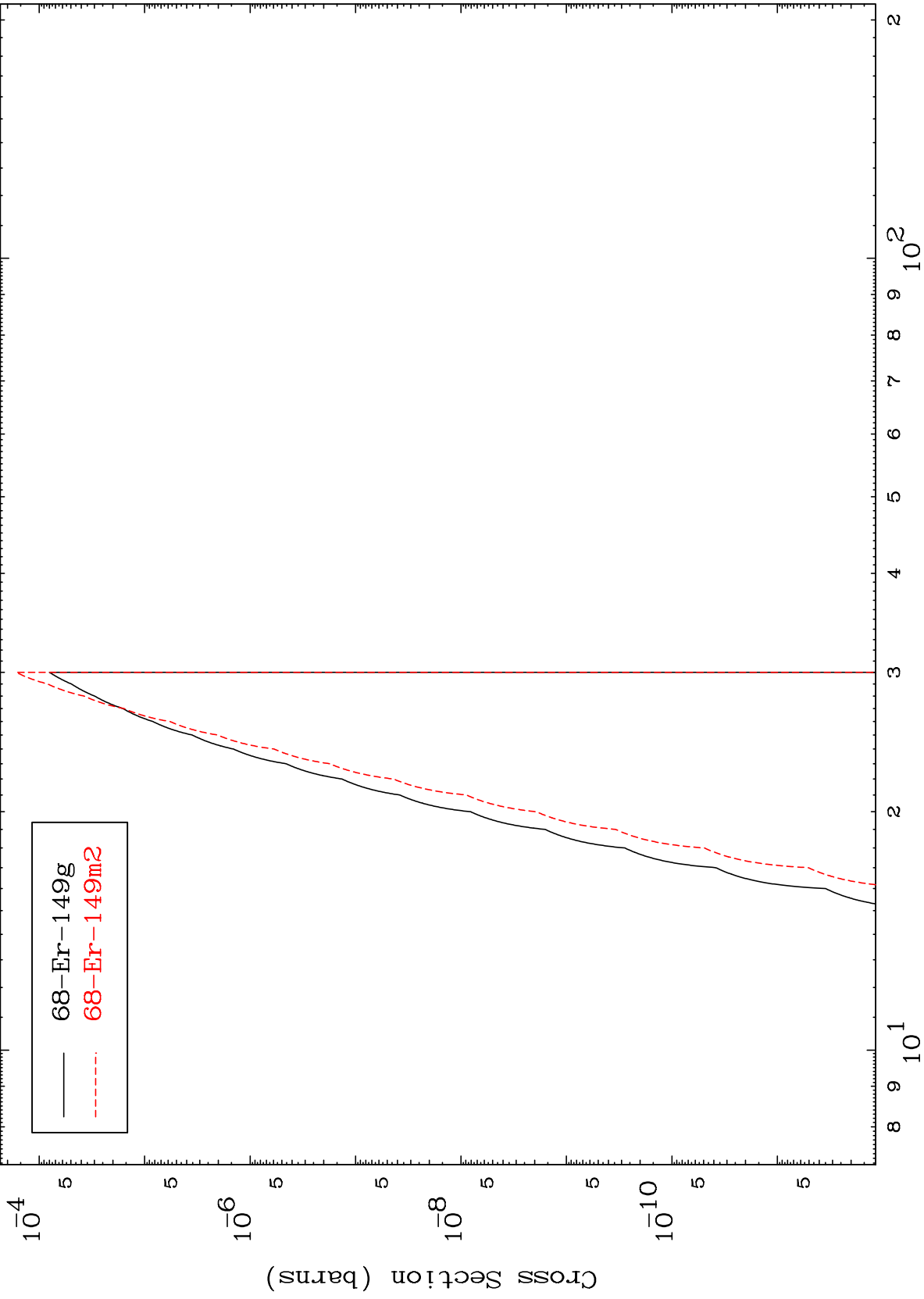
70-Yb-152

MAT 6977

(n, n') He-3

70-Yb-152

Radionuclide Production Cross Section



74

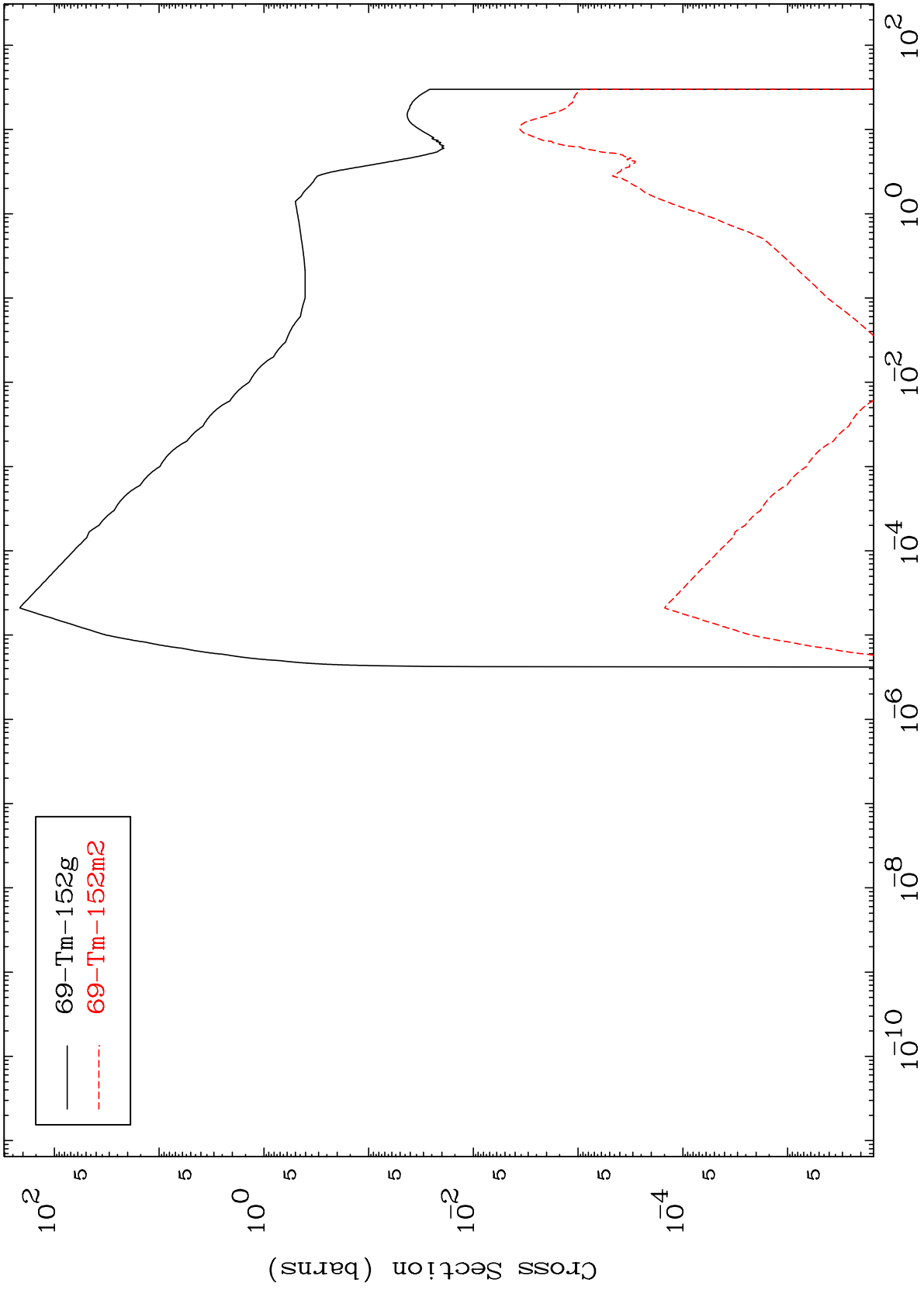
Incident Energy (MeV)

70-Yb-152

MAT 6977

(n,p)
Radionuclide Production Cross Section

70-Yb-152



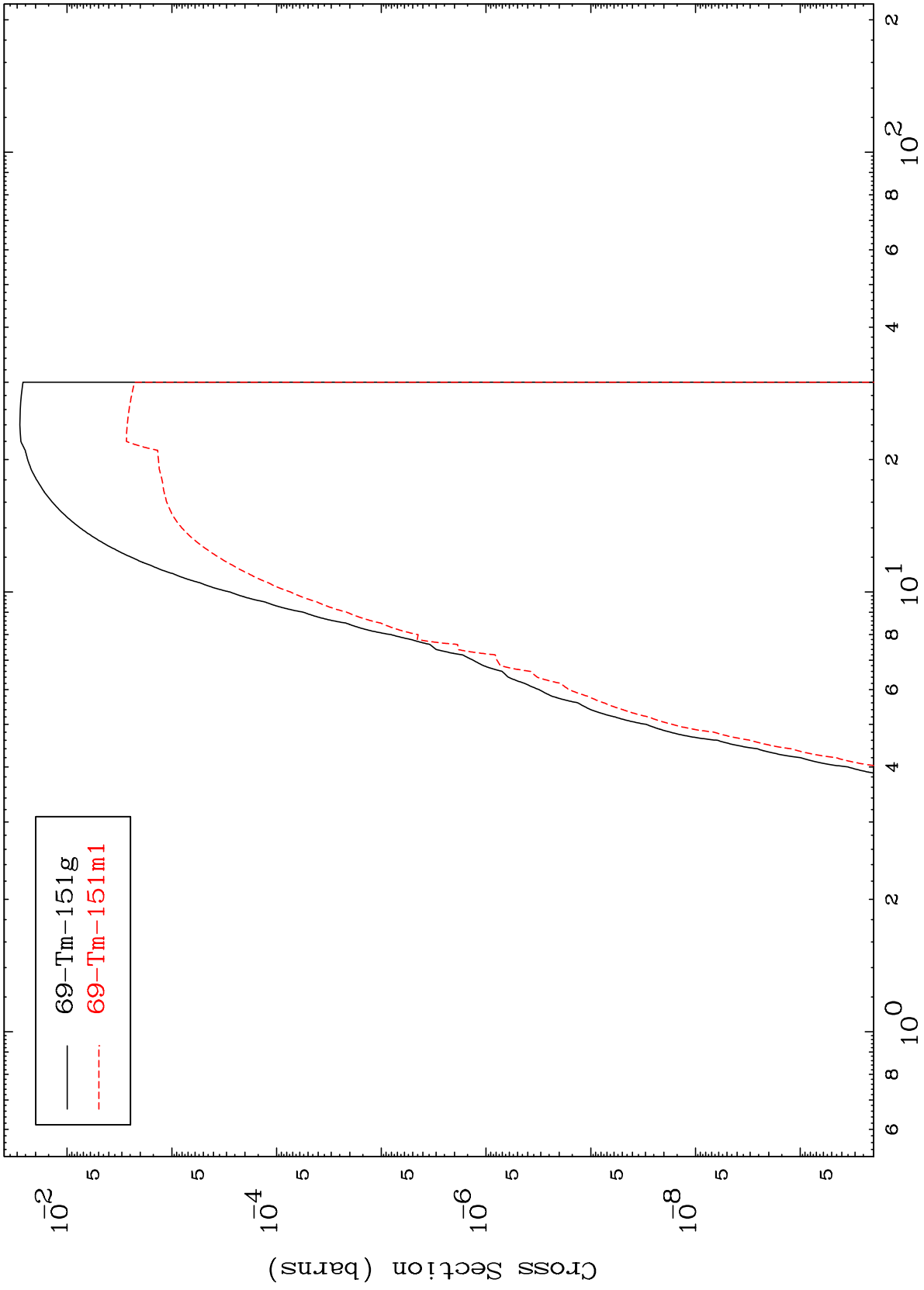
75

70-Yb-152

MAT 6977

(n,d)
Radionuclide Production Cross Section

70-Yb-152



76

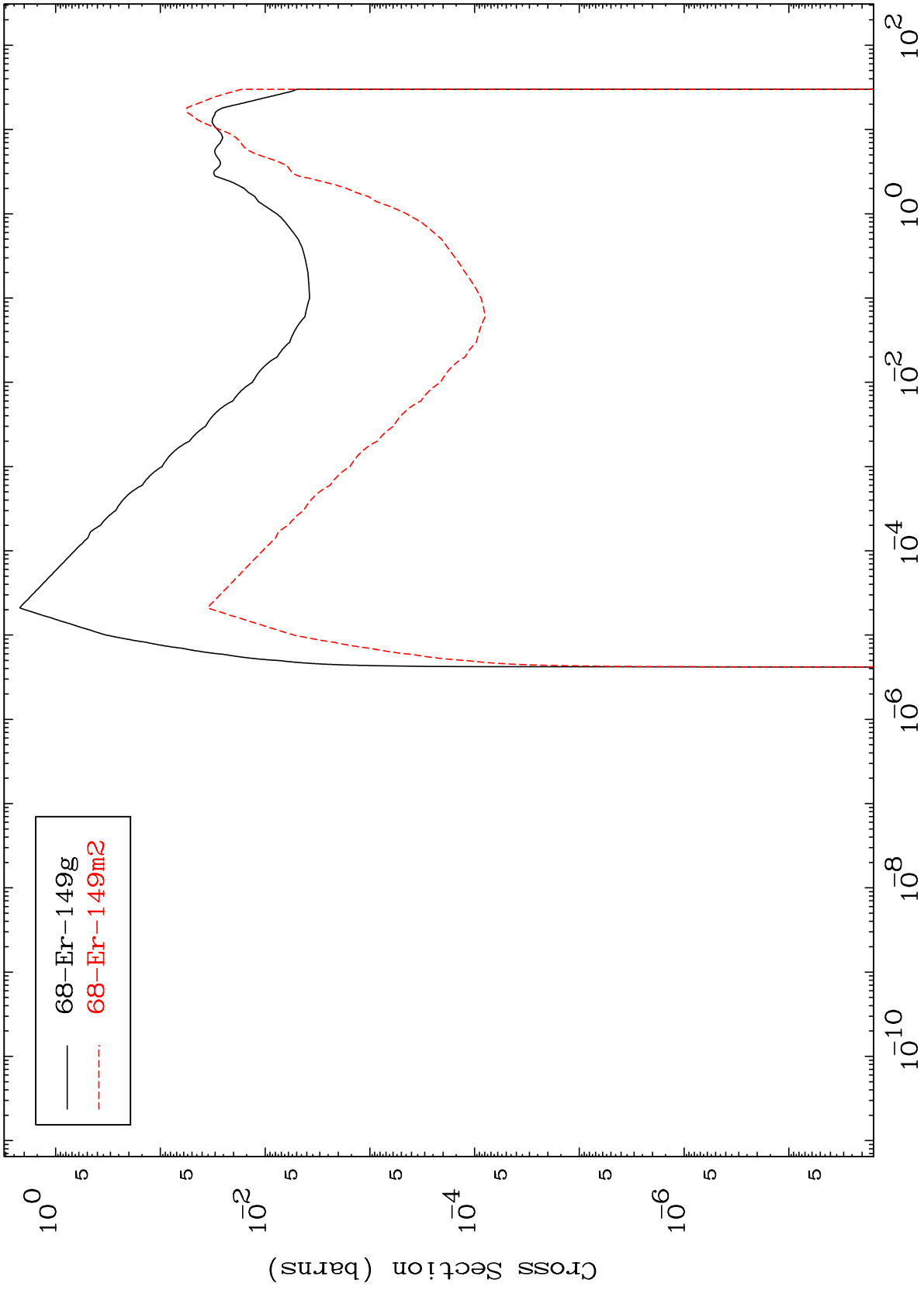
Incident Energy (MeV)

70-Yb-152

MAT 6977

Radionuclide Production Cross Section
(n, α)

70-Yb-152



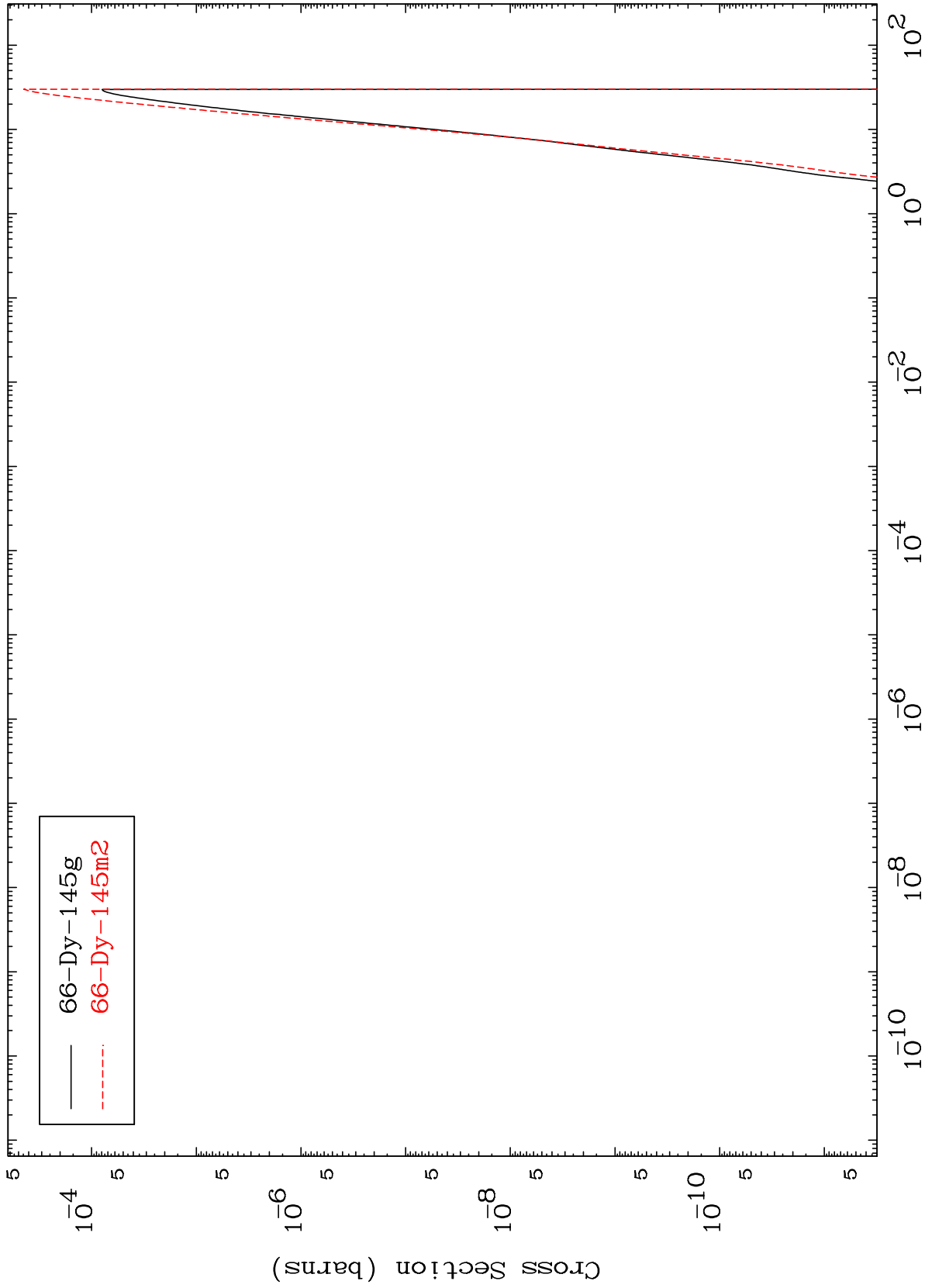
70-Yb-152

MAT 6977

(n,2α)

70-Yb-152

Radionuclide Production Cross Section



78

Incident Energy (MeV)

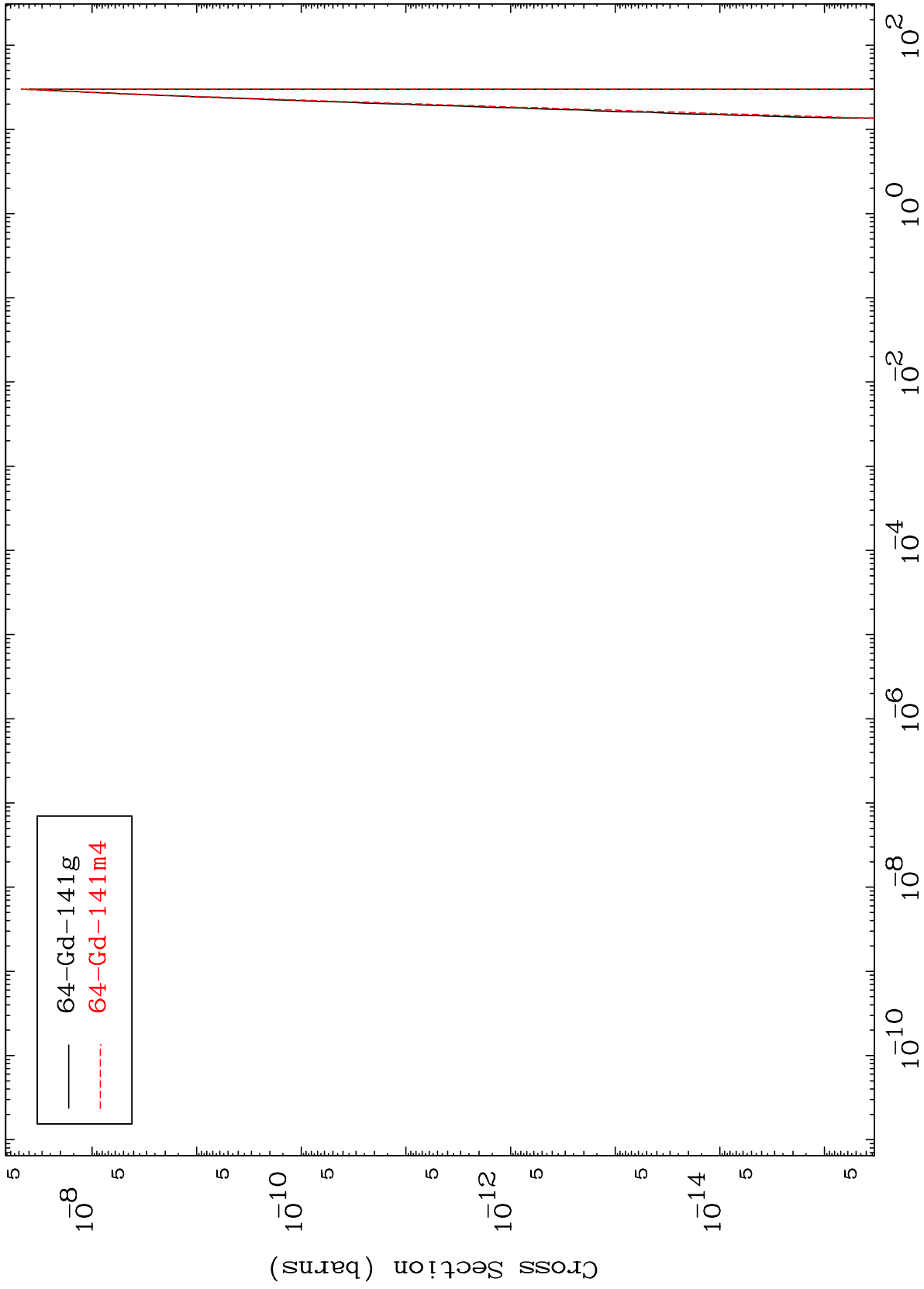
70-Yb-152

MAT 6977

(n,3α)

70-Yb-152

Radionuclide Production Cross Section



64-Gd-141g
64-Gd-141m4

79

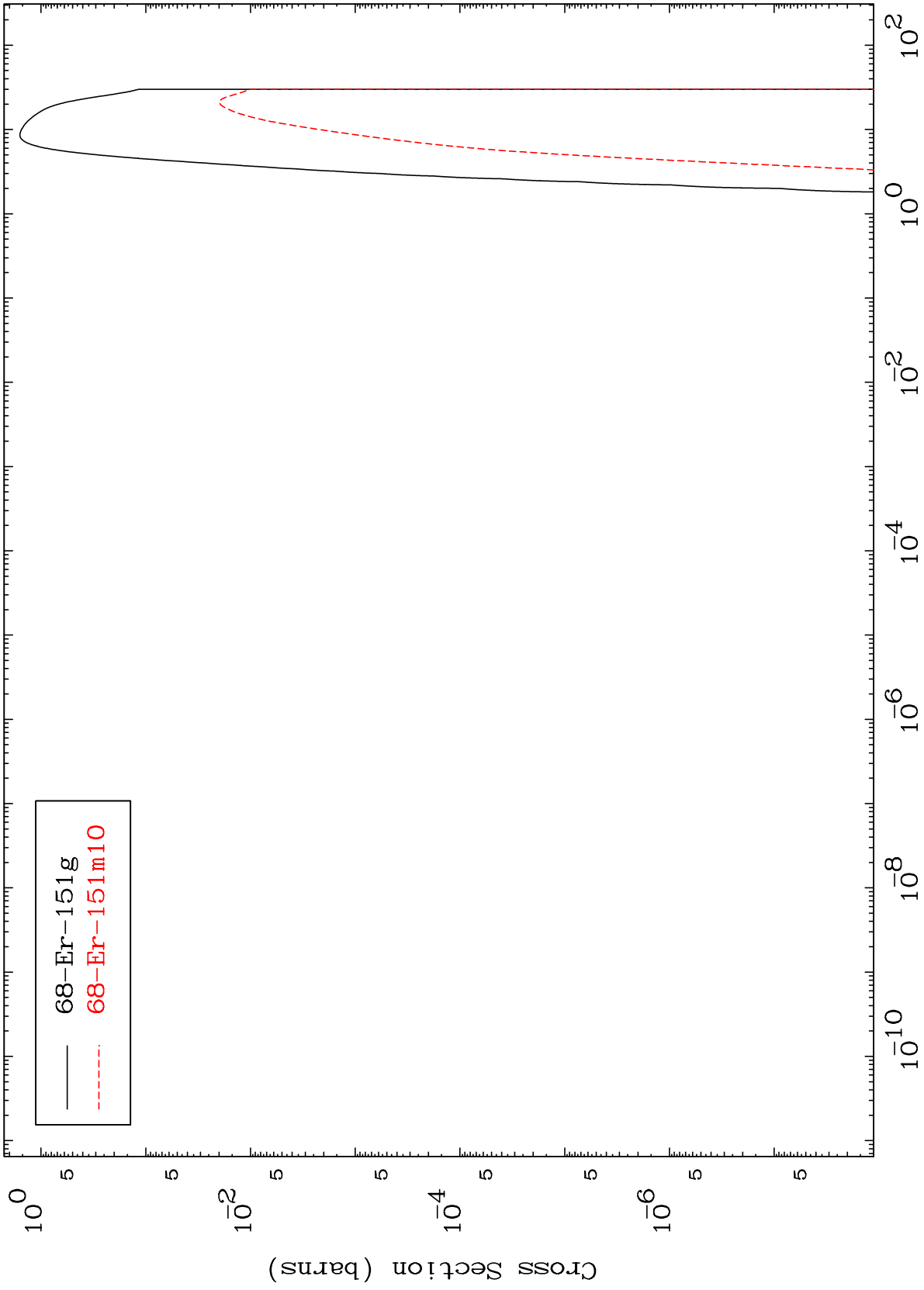
Incident Energy (MeV)

70-Yb-152

MAT 6977

Radionuclide Production Cross Section
(n,2p)

70-Yb-152



80

Incident Energy (MeV)

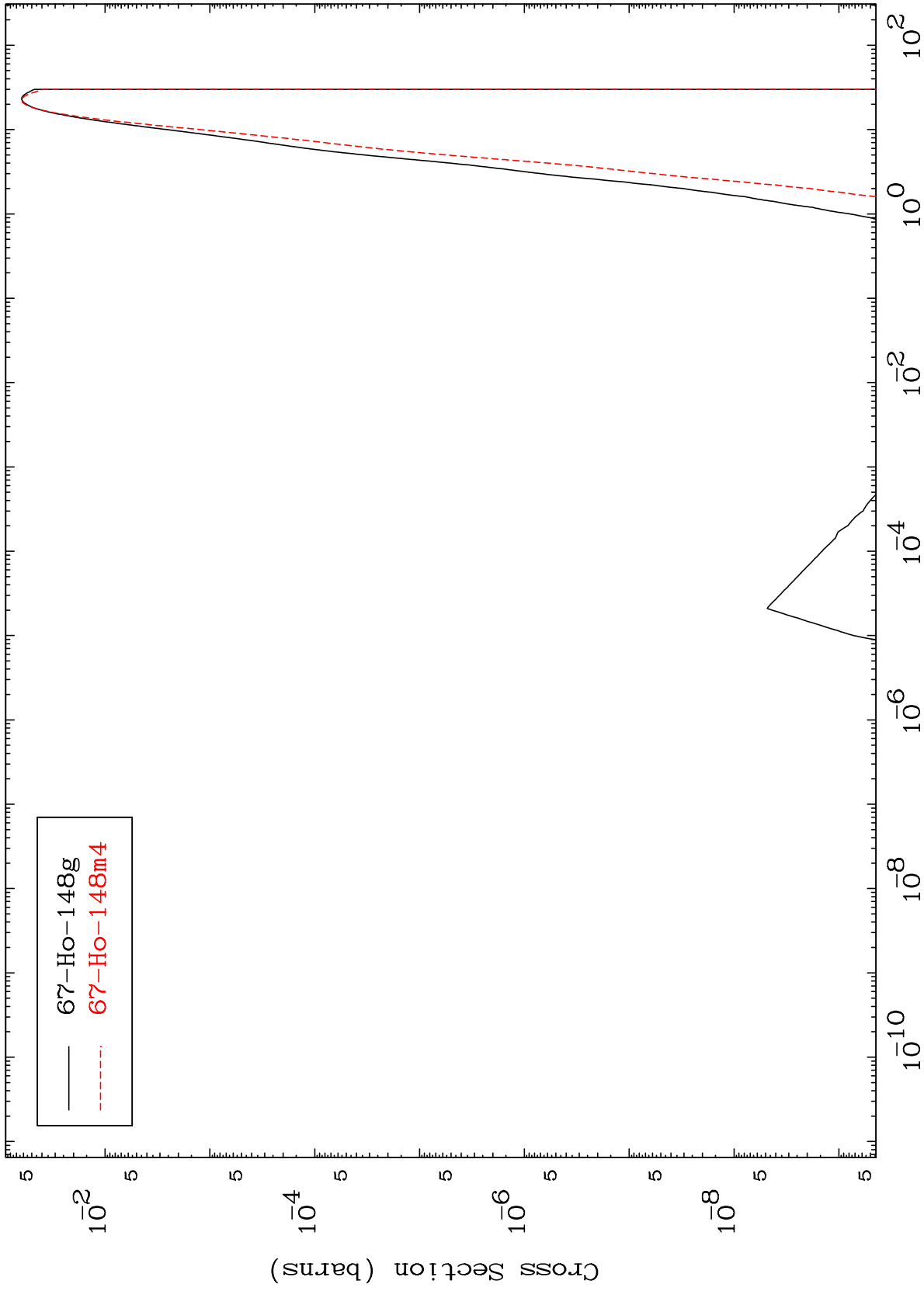
70-Yb-152

MAT 6977

(n,p) α

70-Yb-152

Radionuclide Production Cross Section

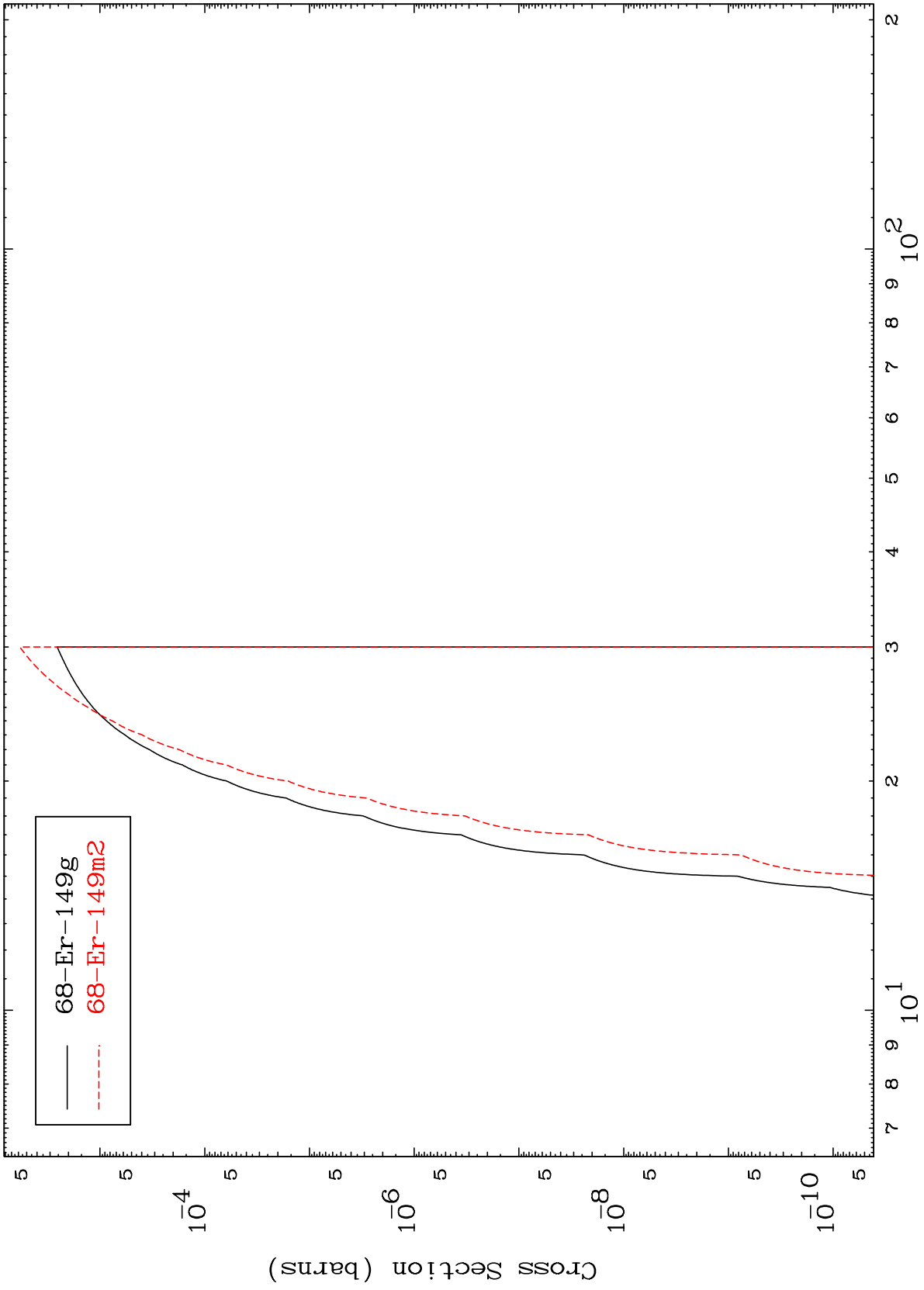


MAT 6977

(n,p) t

70-Yb-152

Radionuclide Production Cross Section



82

Incident Energy (MeV)

70-Yb-152