

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

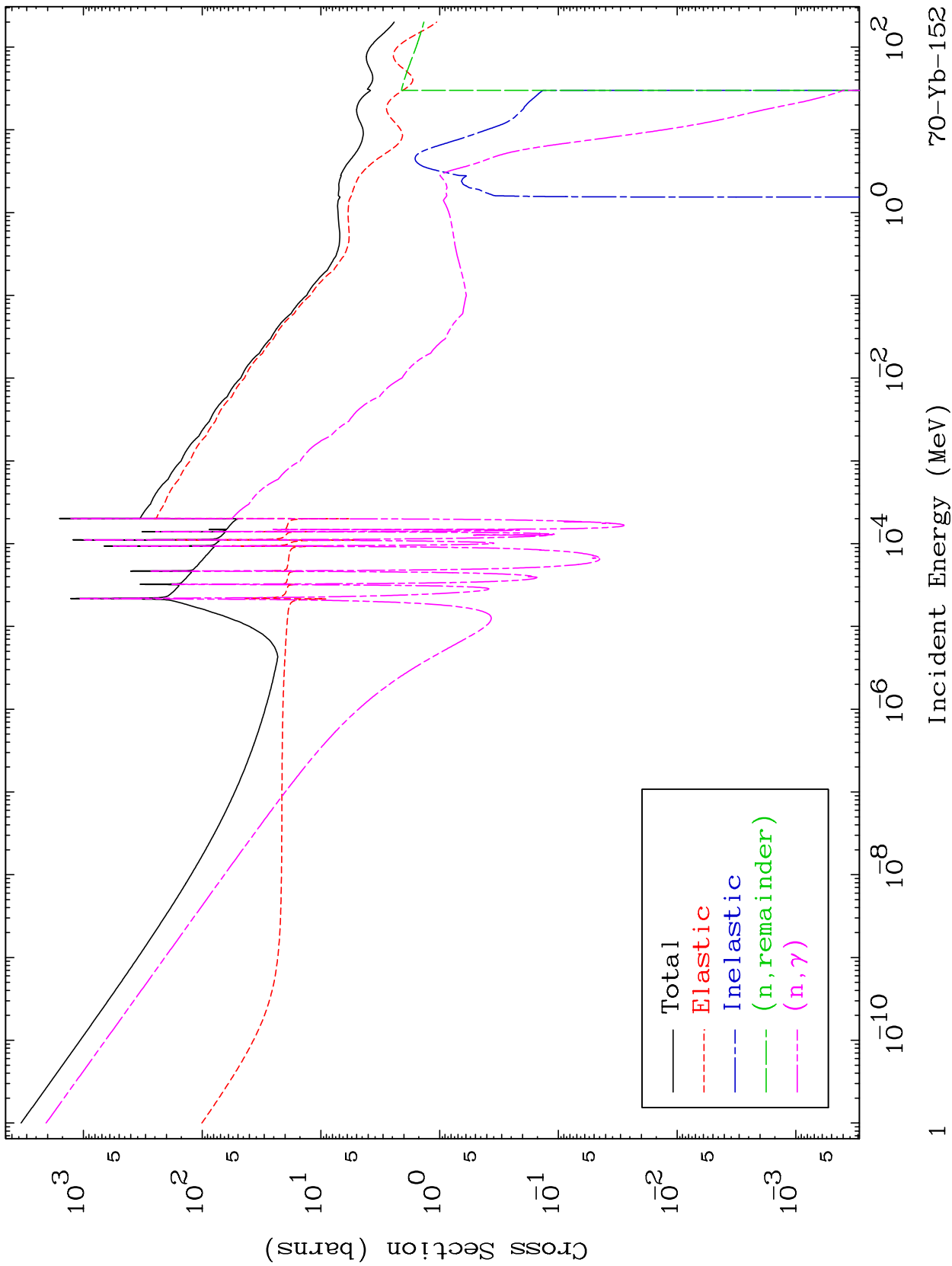
Press Mouse Button to Start

MAT 6977

Major

293 Kelvin Cross Sections

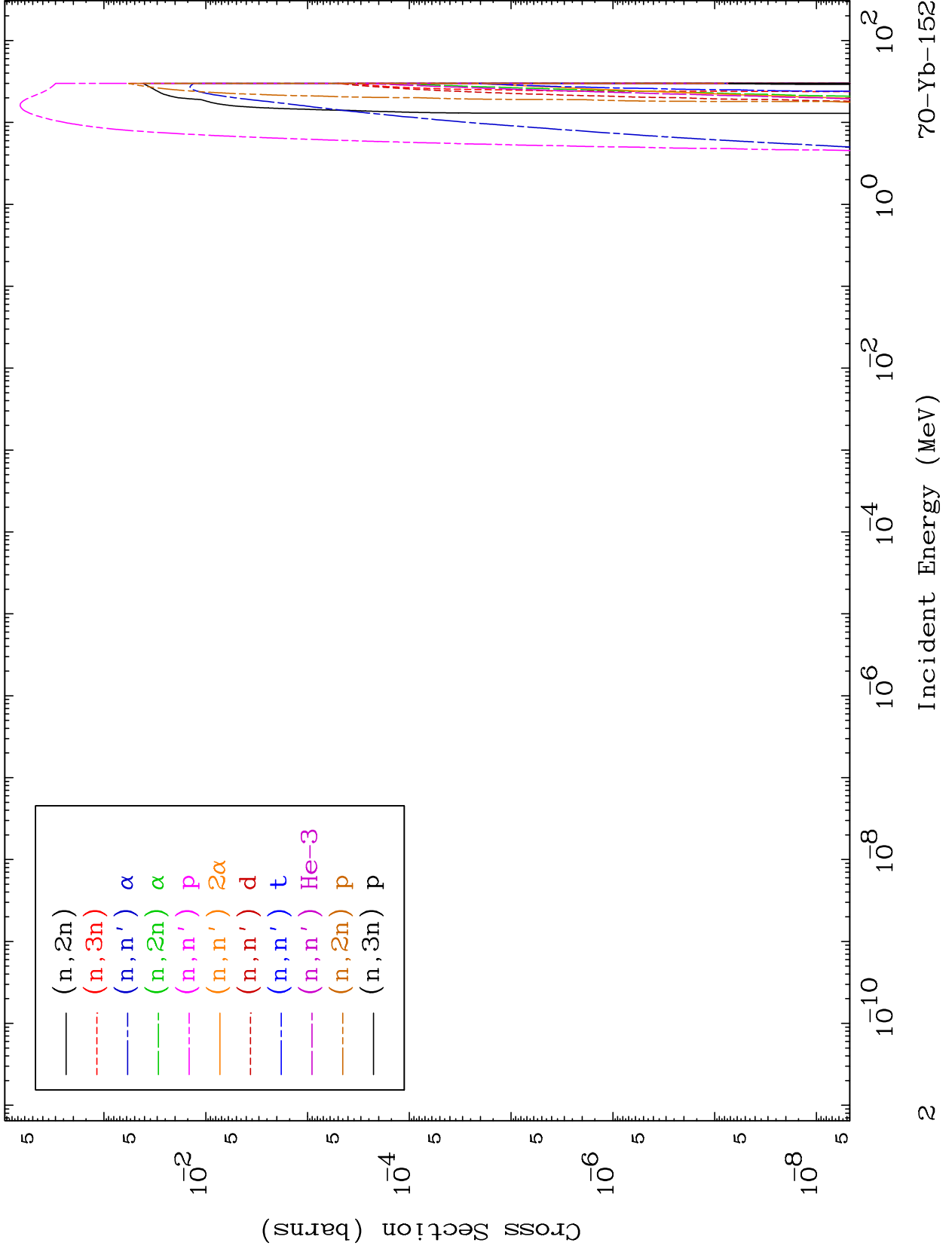
70-Yb-152



MAT 6977

Neutron Production
293 Kelvin Cross Sections

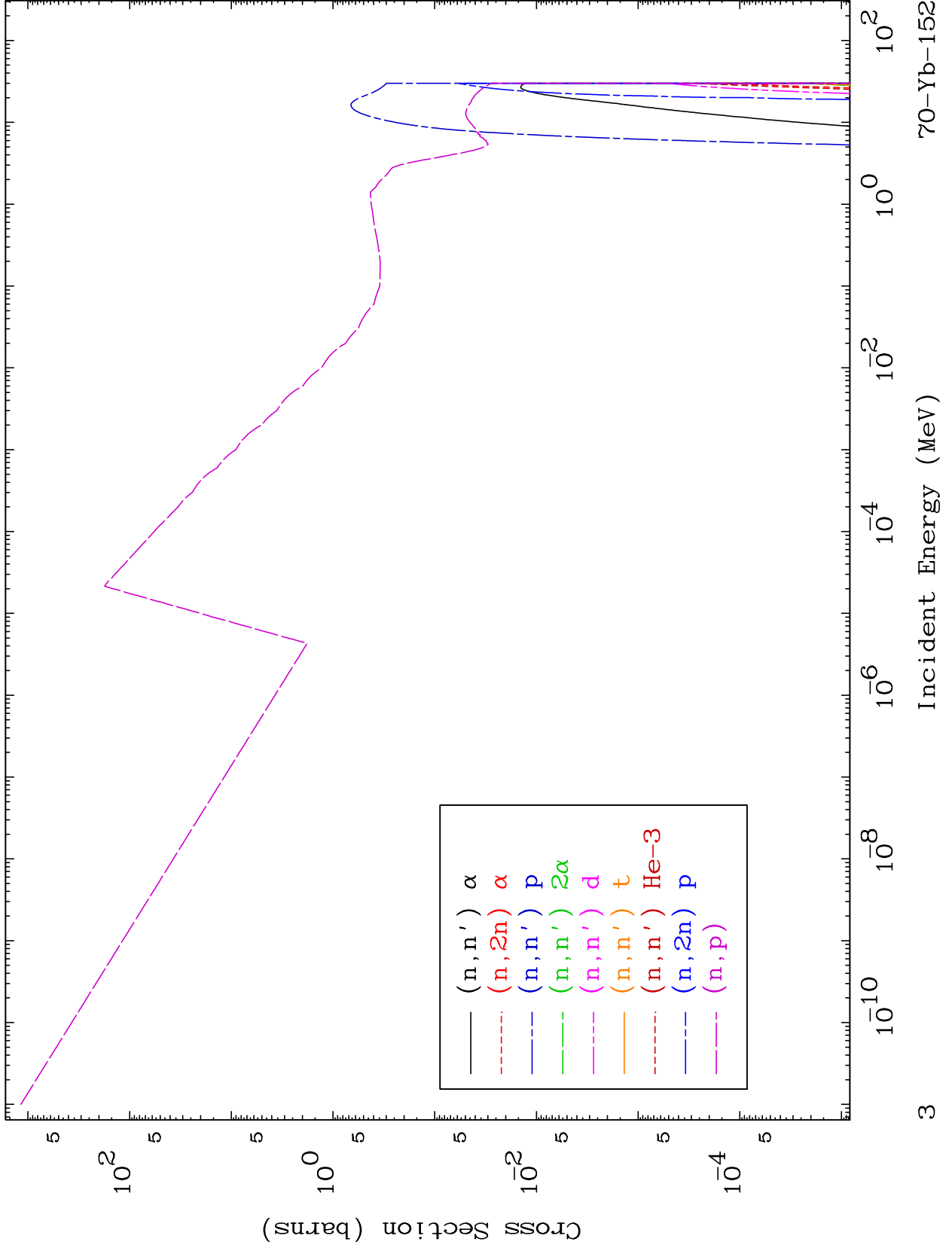
70-Yb-152



MAT 6977

Charged Particle
293 Kelvin Cross Sections

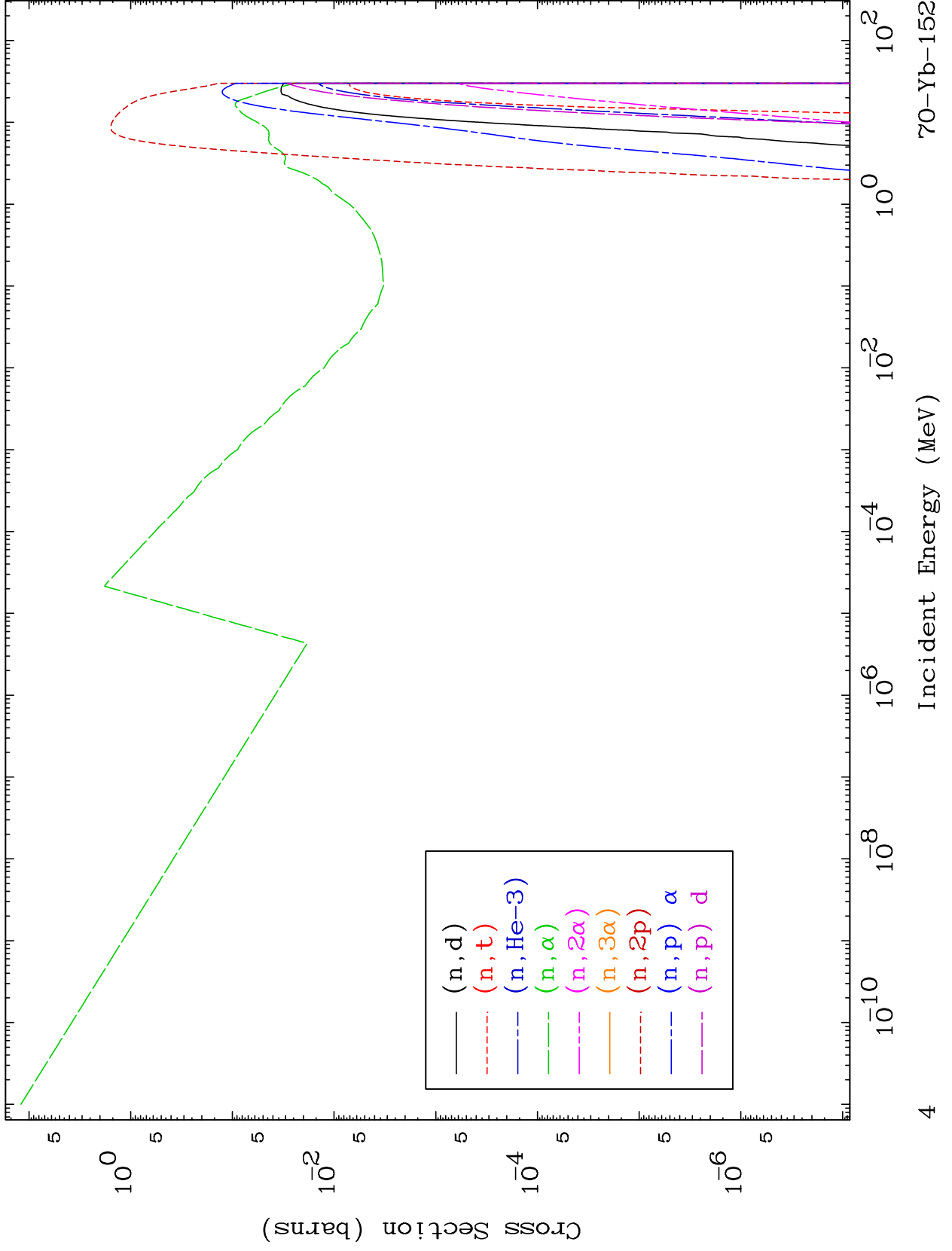
70-Yb-152



MAT 6977

Charged Particle
293 Kelvin Cross Sections

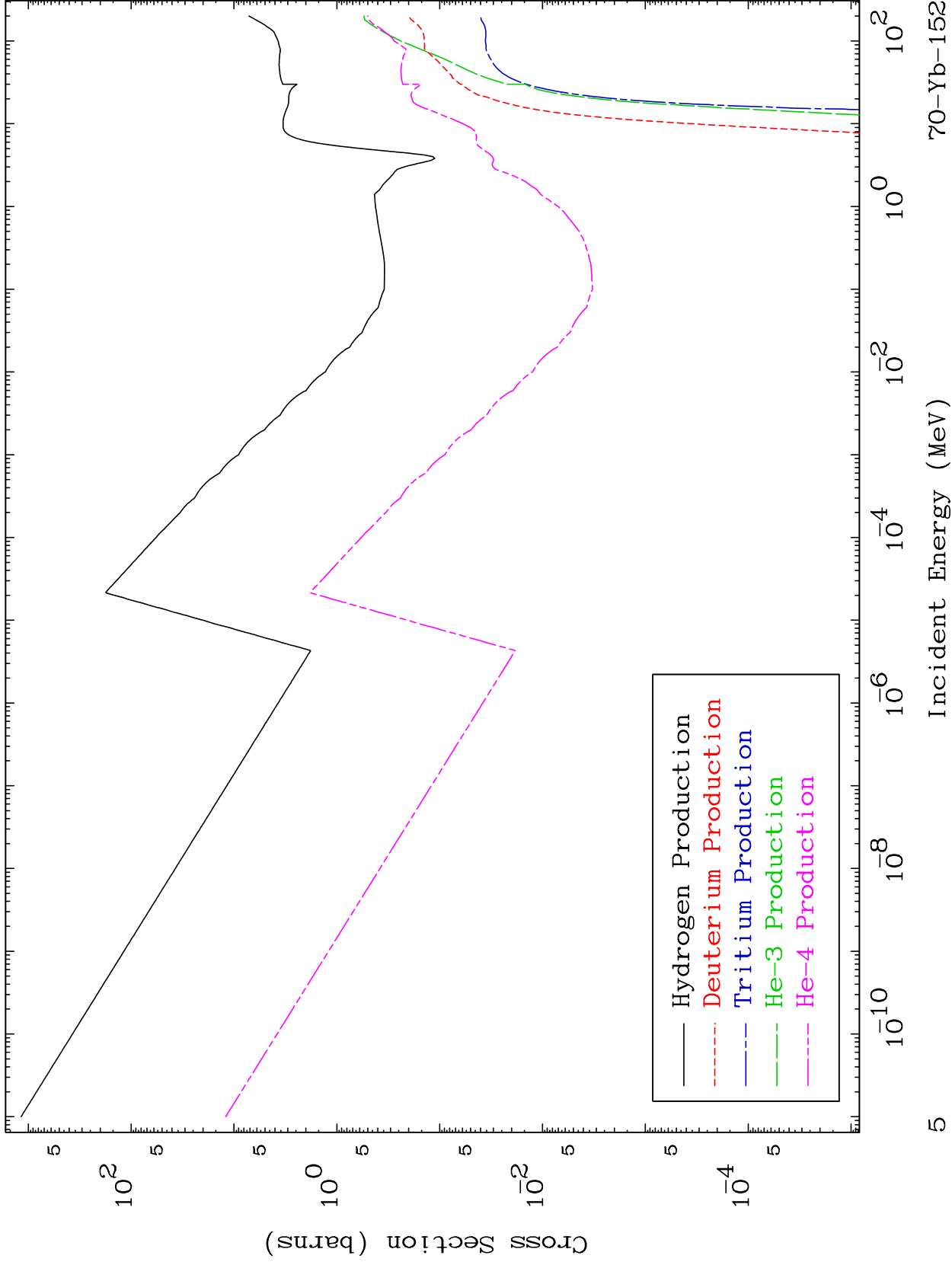
70-Yb-152



MAT 6977

Particle Production
293 Kelvin Cross Sections

70-Yb-152

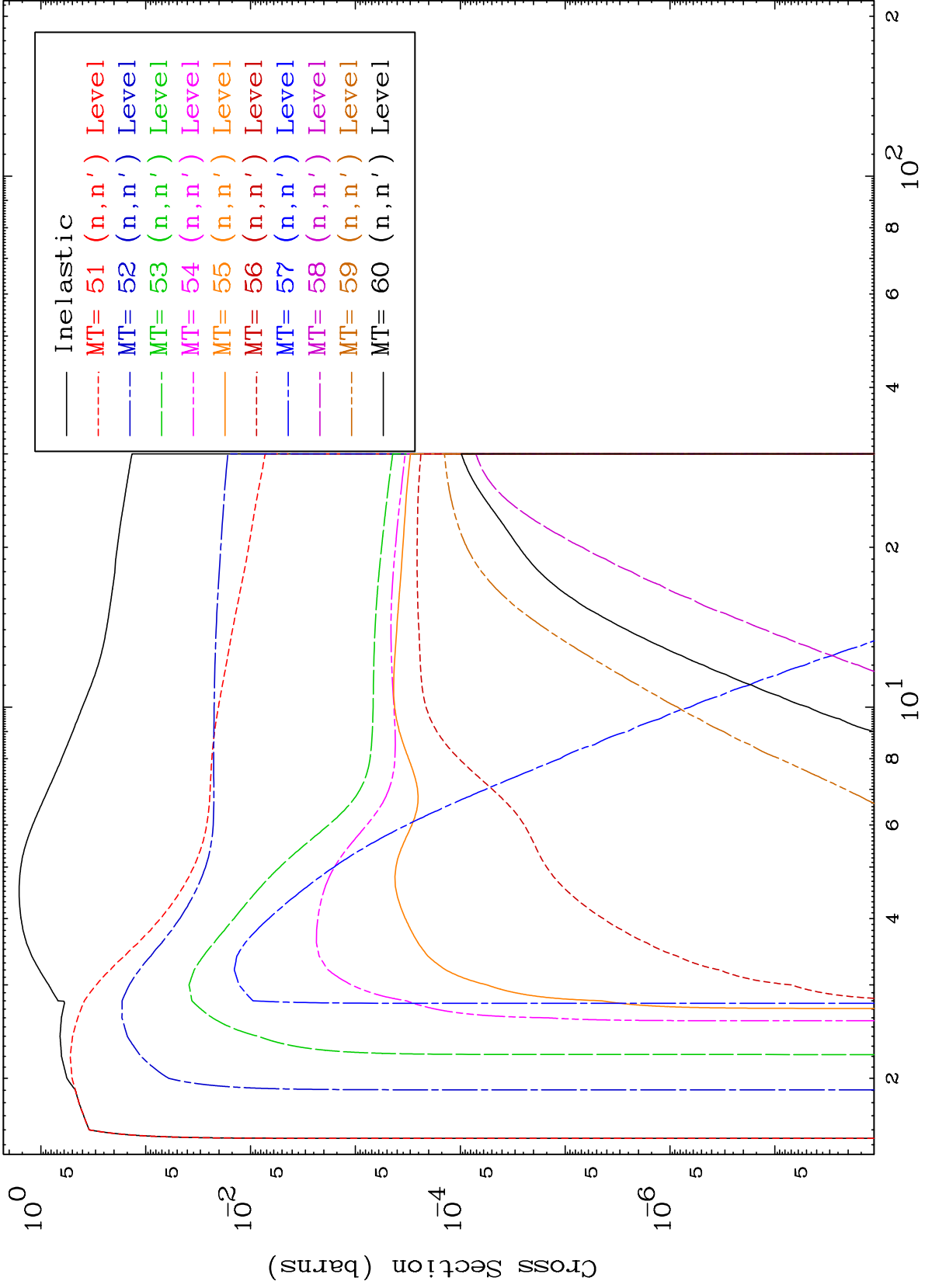


MAT 6977

(n,n') Level

70-Yb-152

293 Kelvin Cross Sections



6

Incident Energy (MeV)

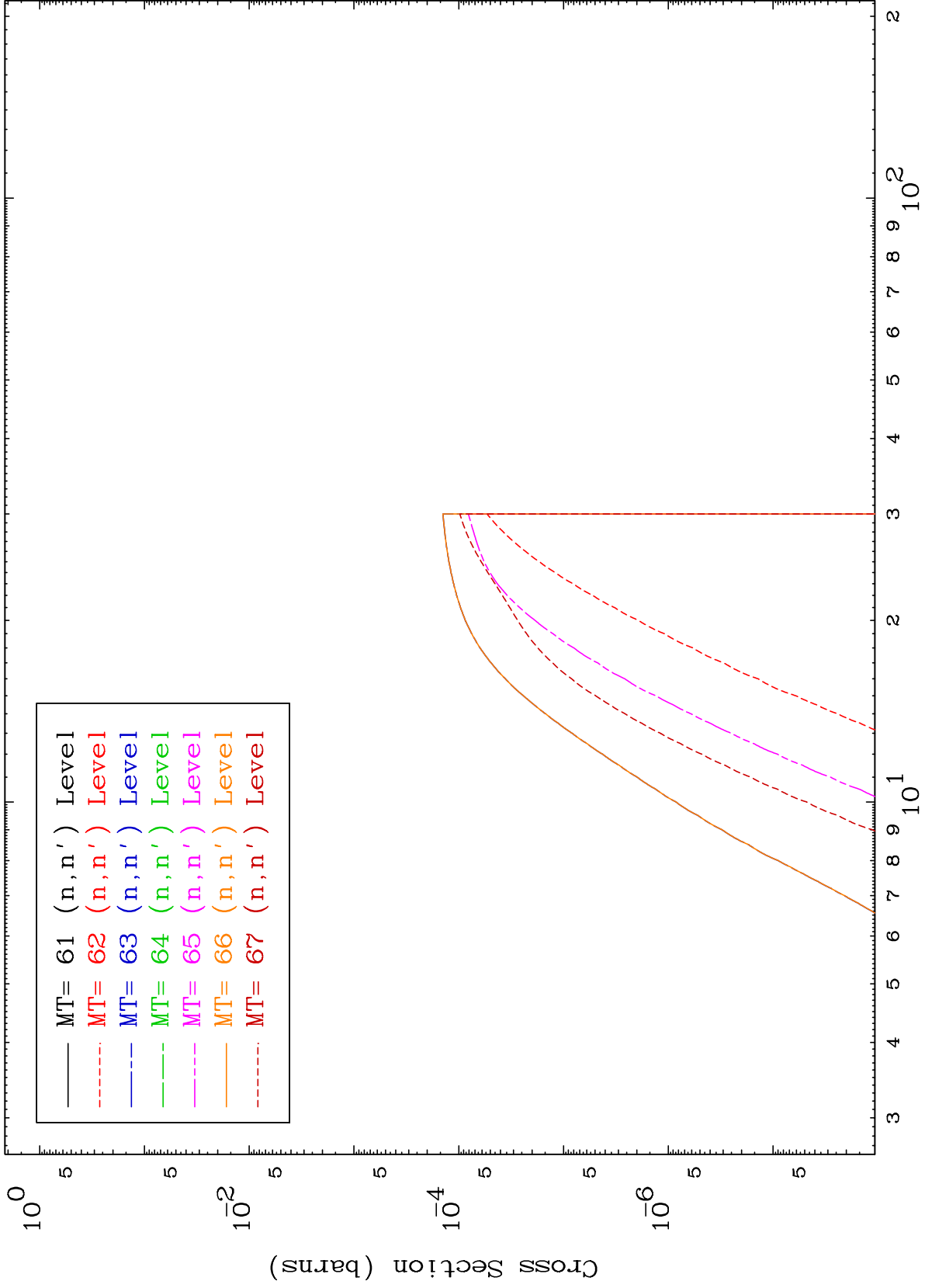
70-Yb-152

MAT 6977

(n,n') Level

70-Yb-152

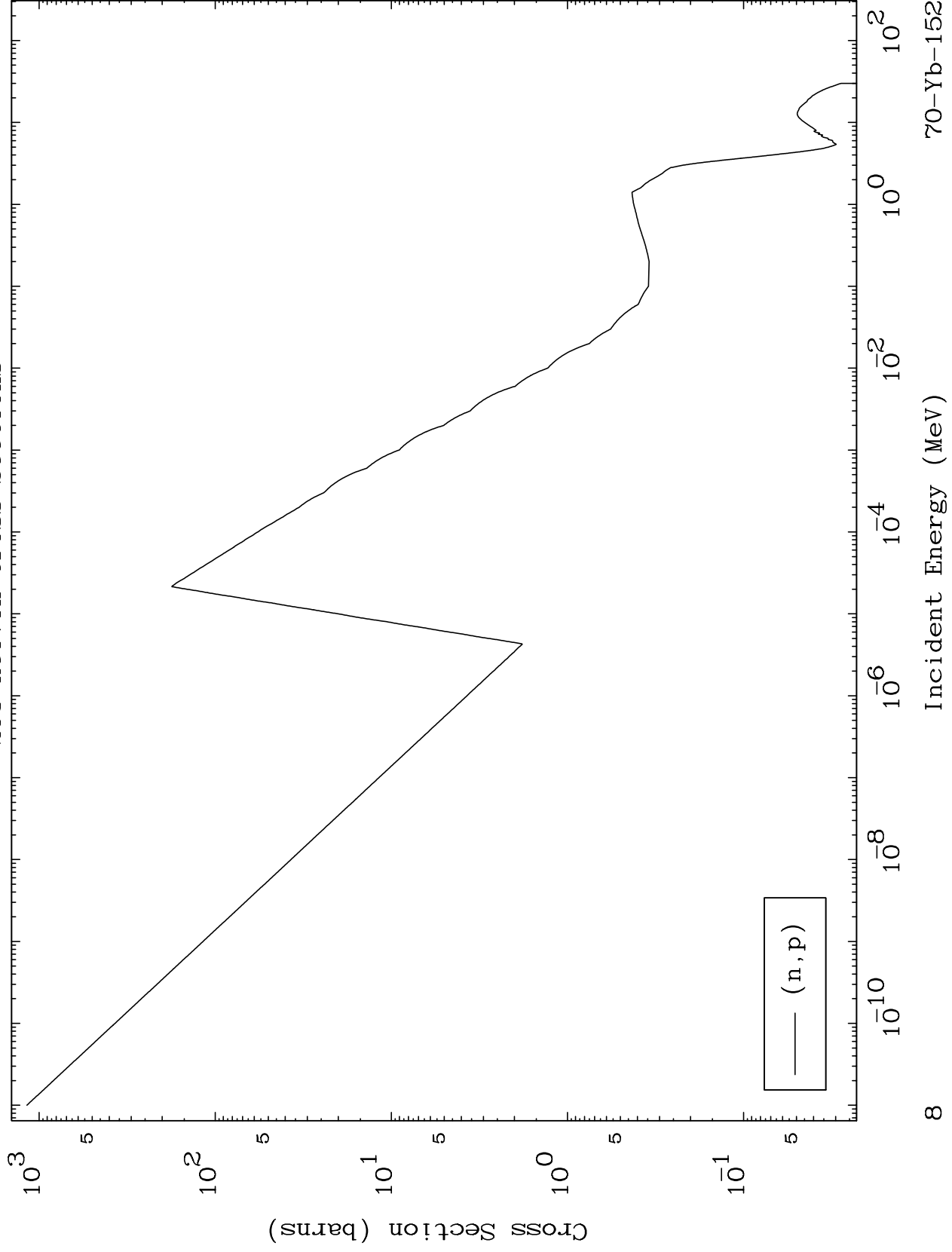
293 Kelvin Cross Sections



MAT 6977

(n,p) Levels
293 Kelvin Cross Sections

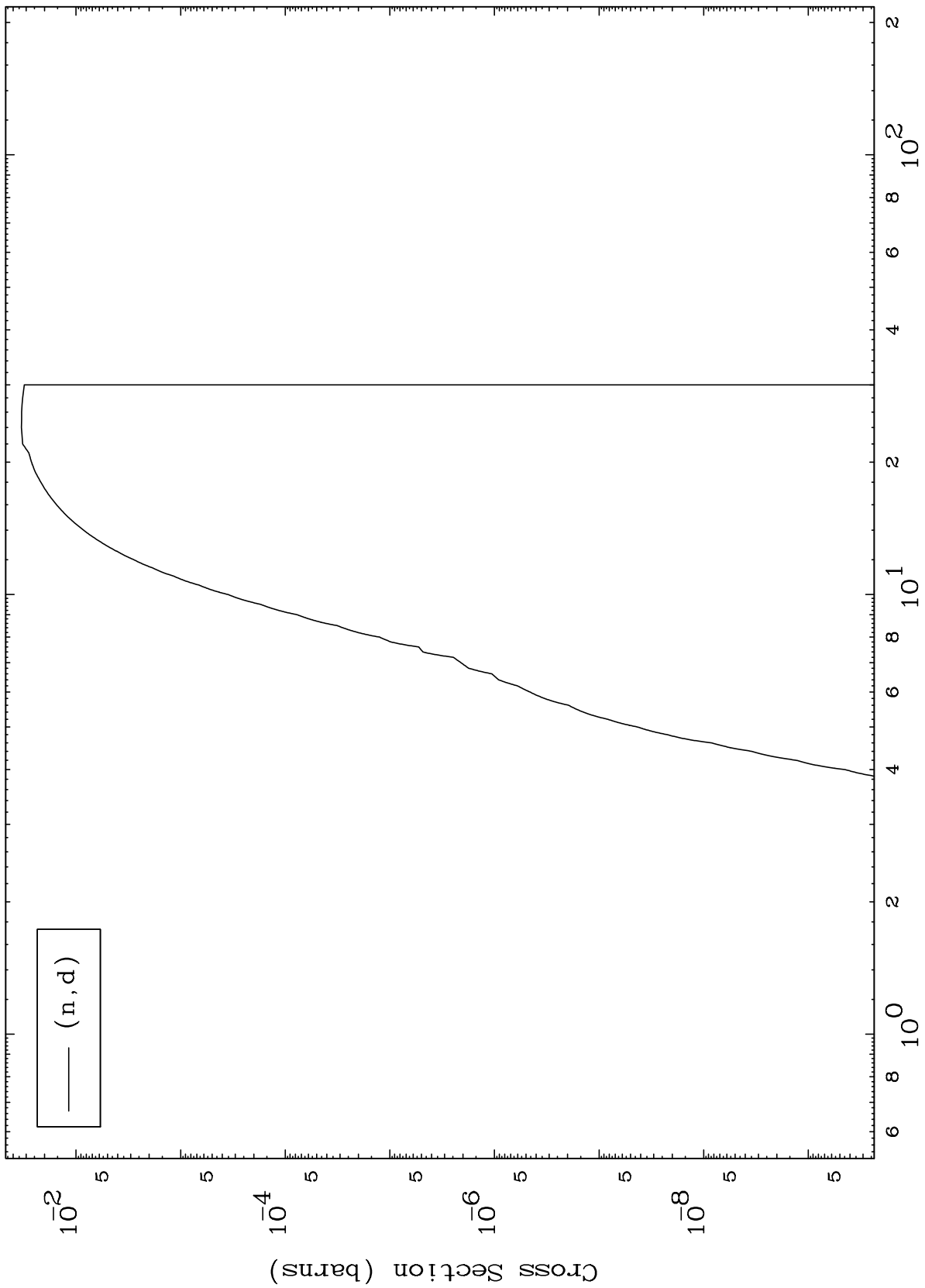
70-Yb-152



MAT 6977

(n,d) Levels
293 Kelvin Cross Sections

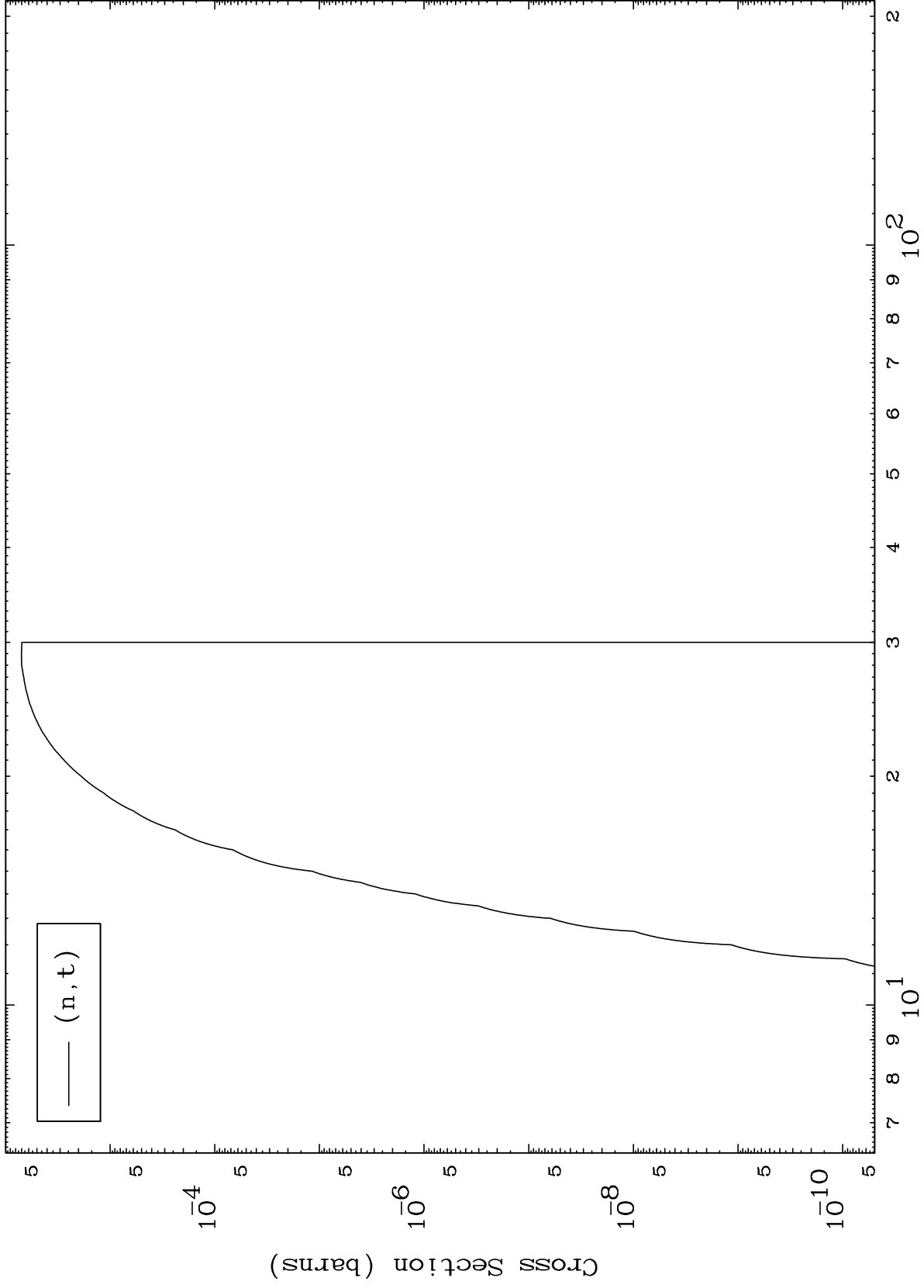
70-Yb-152



MAT 6977

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-152



10

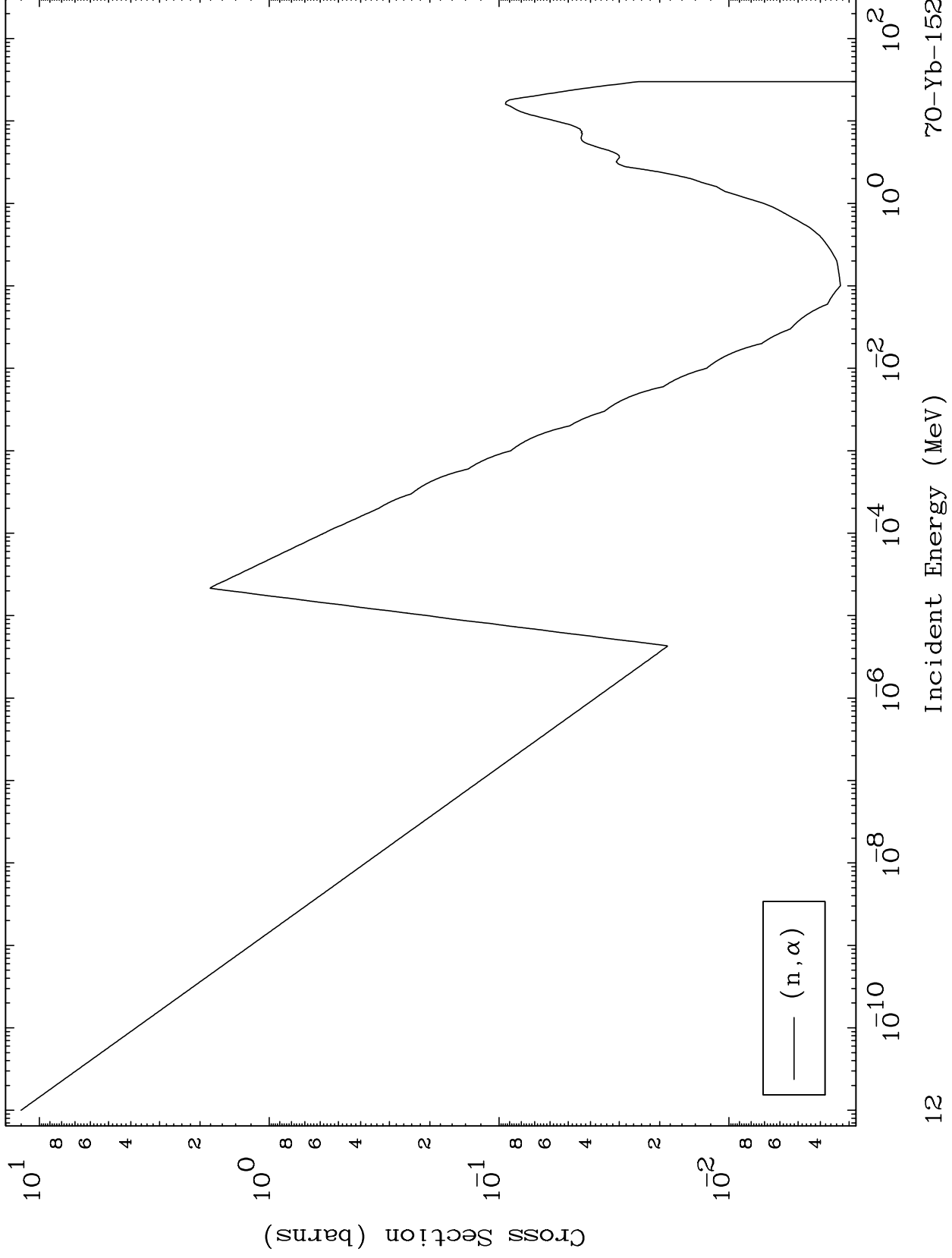
Incident Energy (MeV)

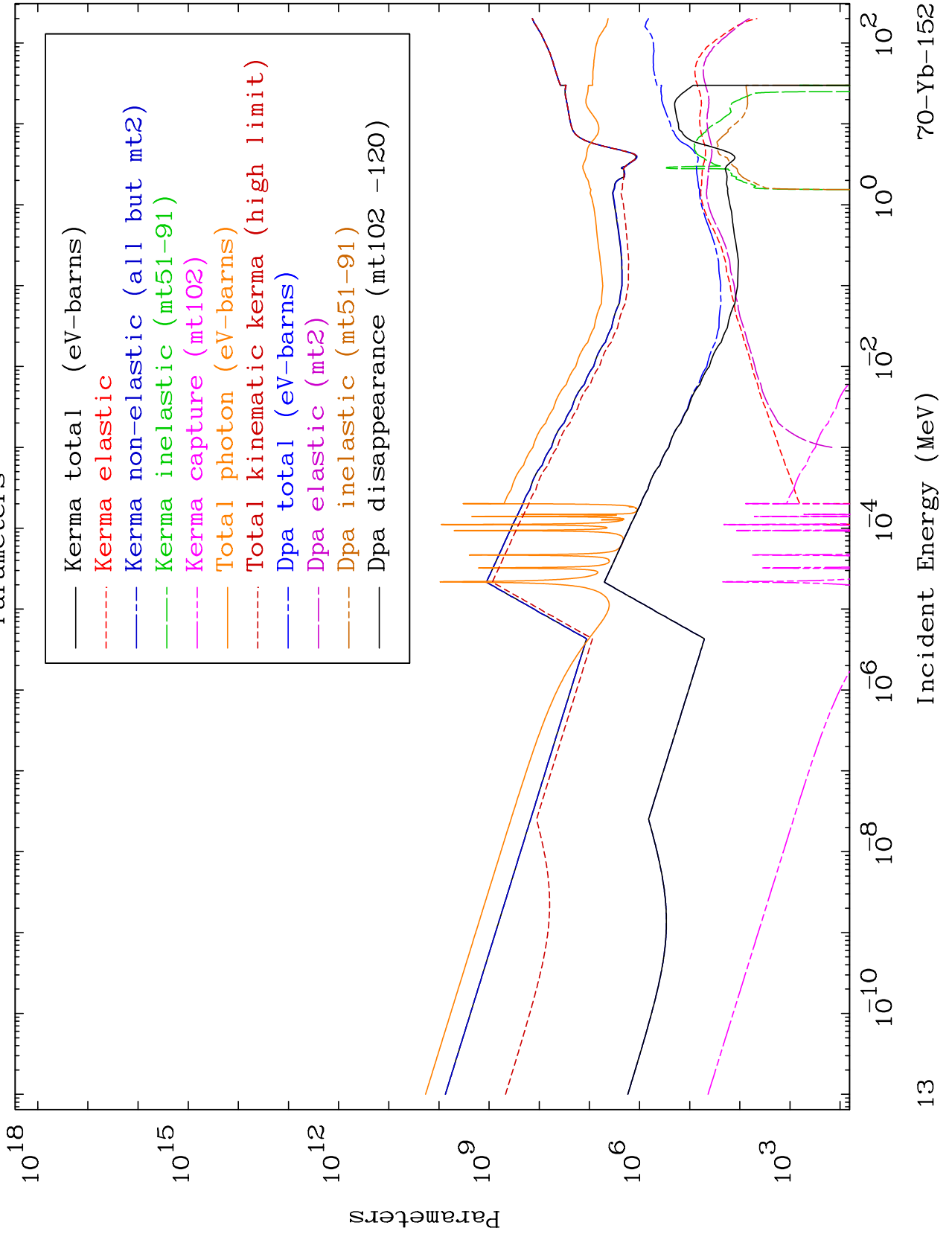
70-Yb-152

MAT 6977

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-152

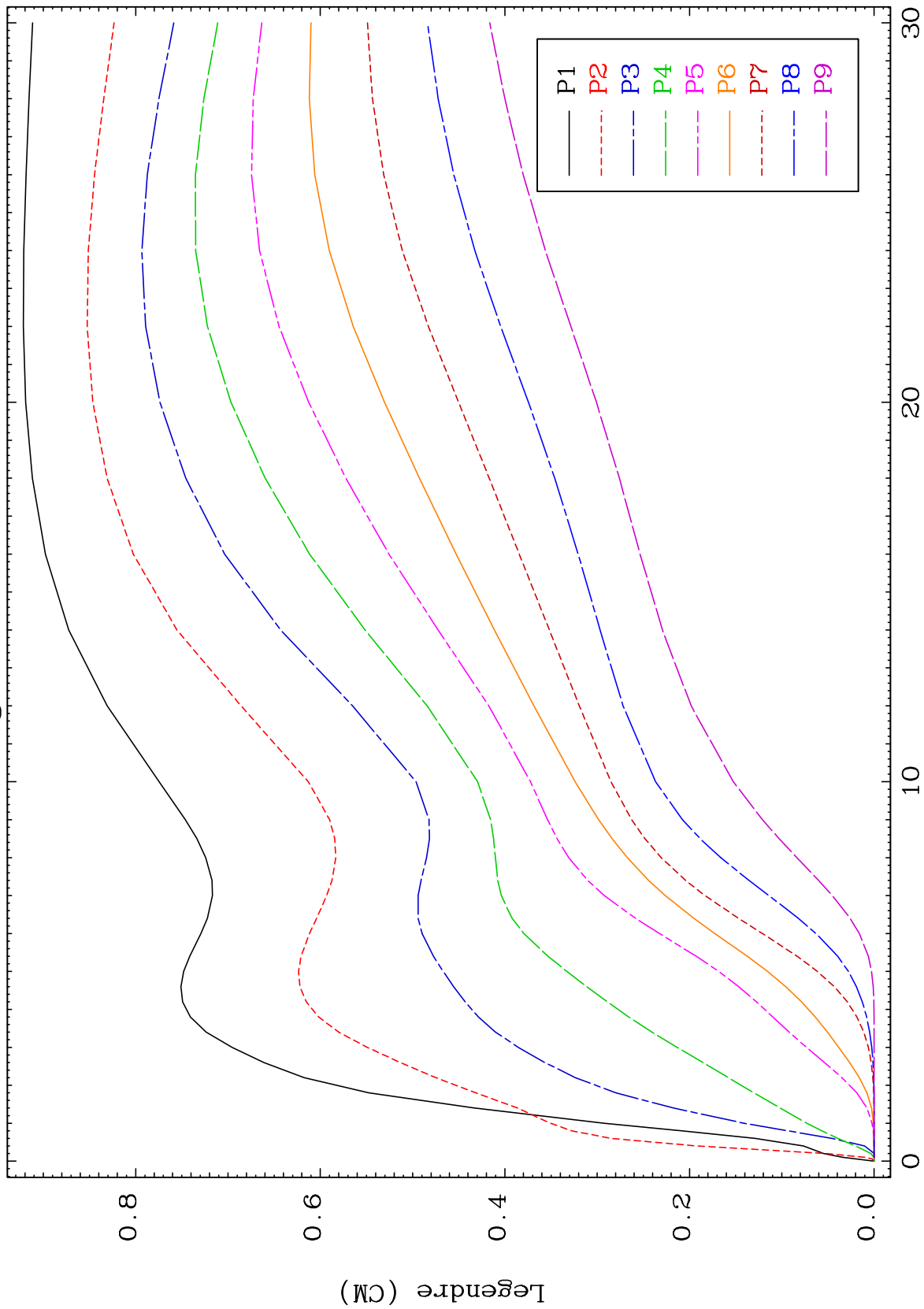




MAT 6977

Elastic Legendre Coefficients

70-Yb-152



14

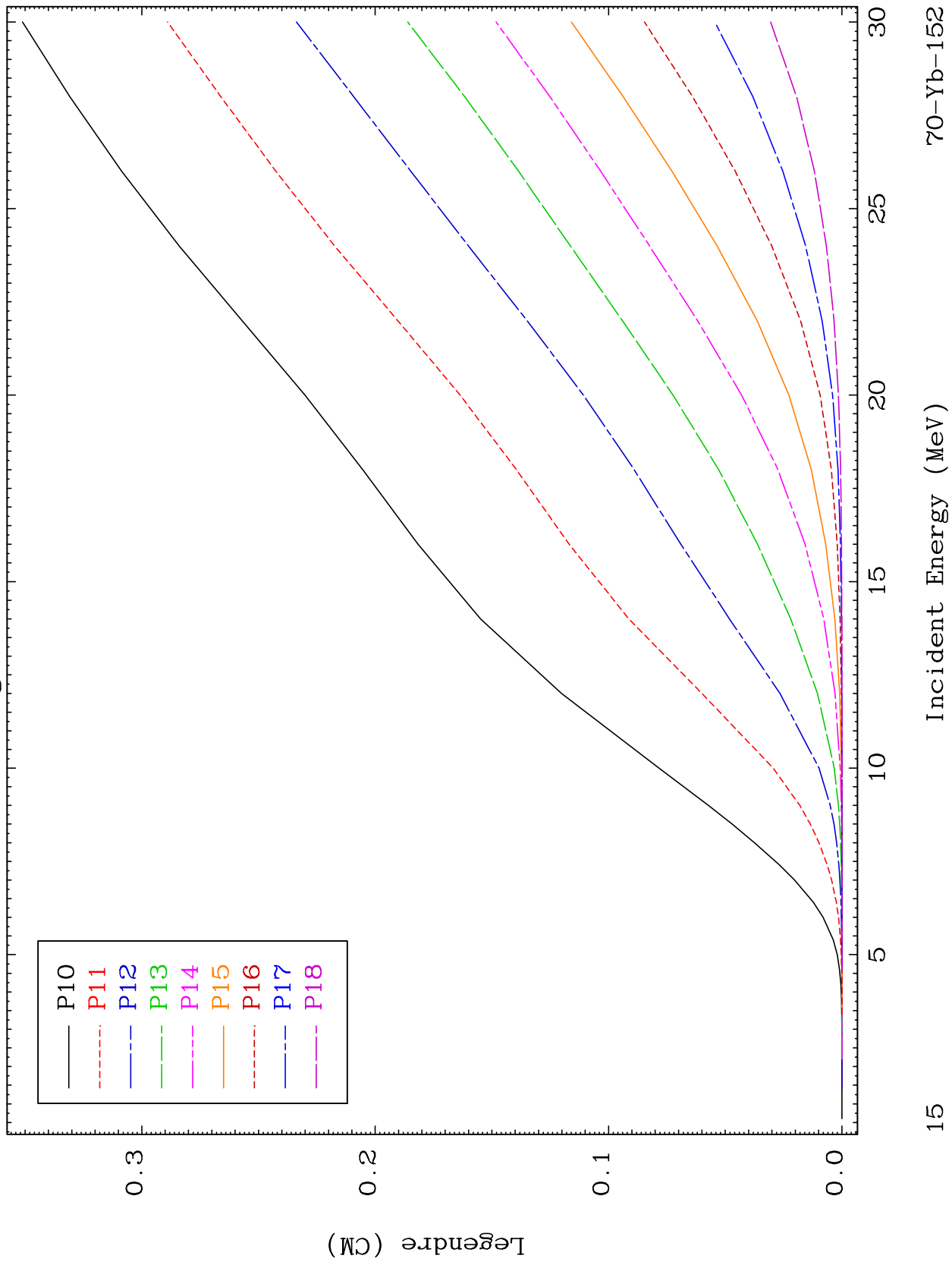
Incident Energy (MeV)

70-Yb-152

MAT 6977

Elastic Legendre Coefficients

70-Yb-152



15

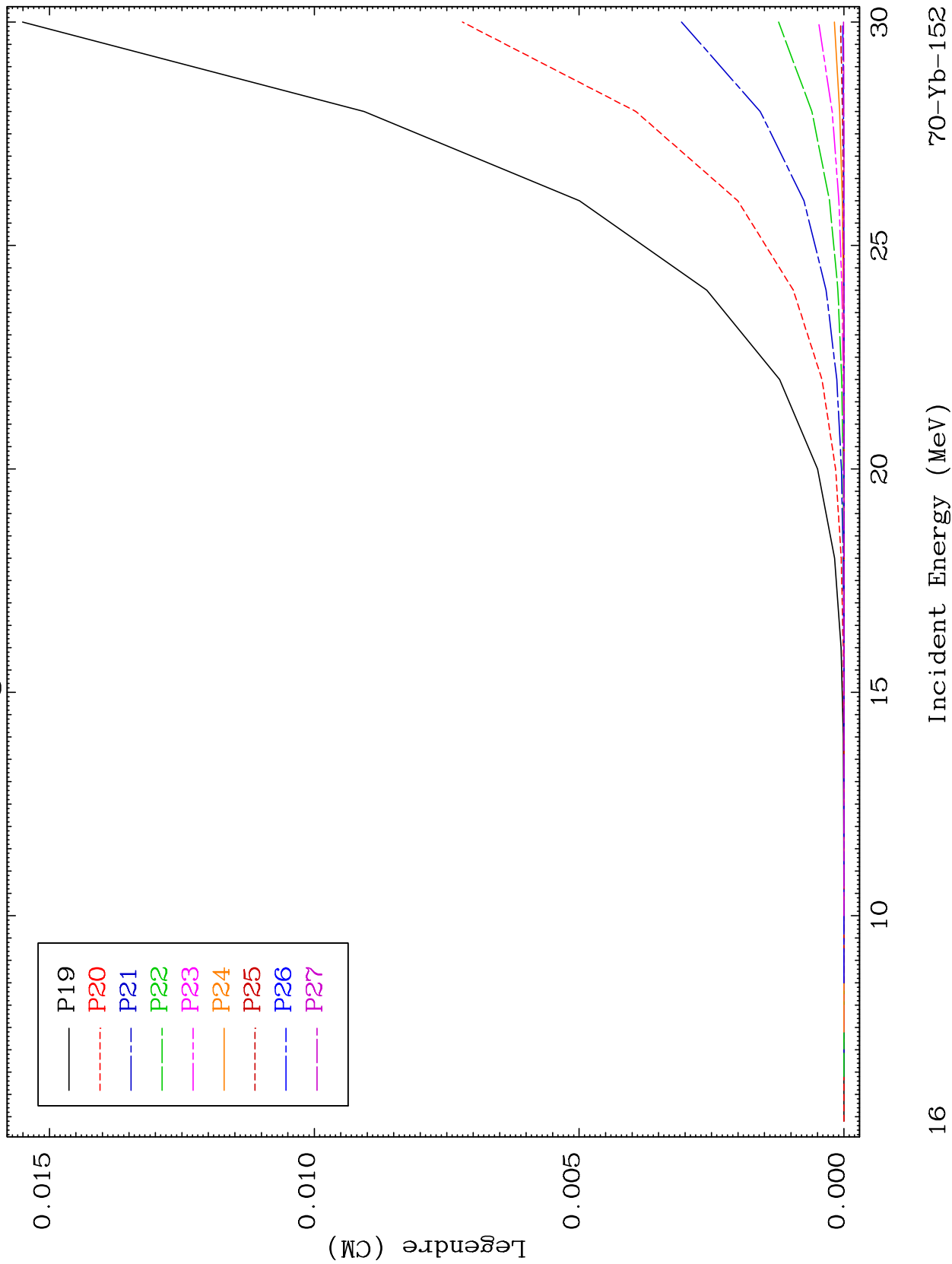
Incident Energy (MeV)

70-Yb-152

MAT 6977

Elastic Legendre Coefficients

70-Yb-152



16

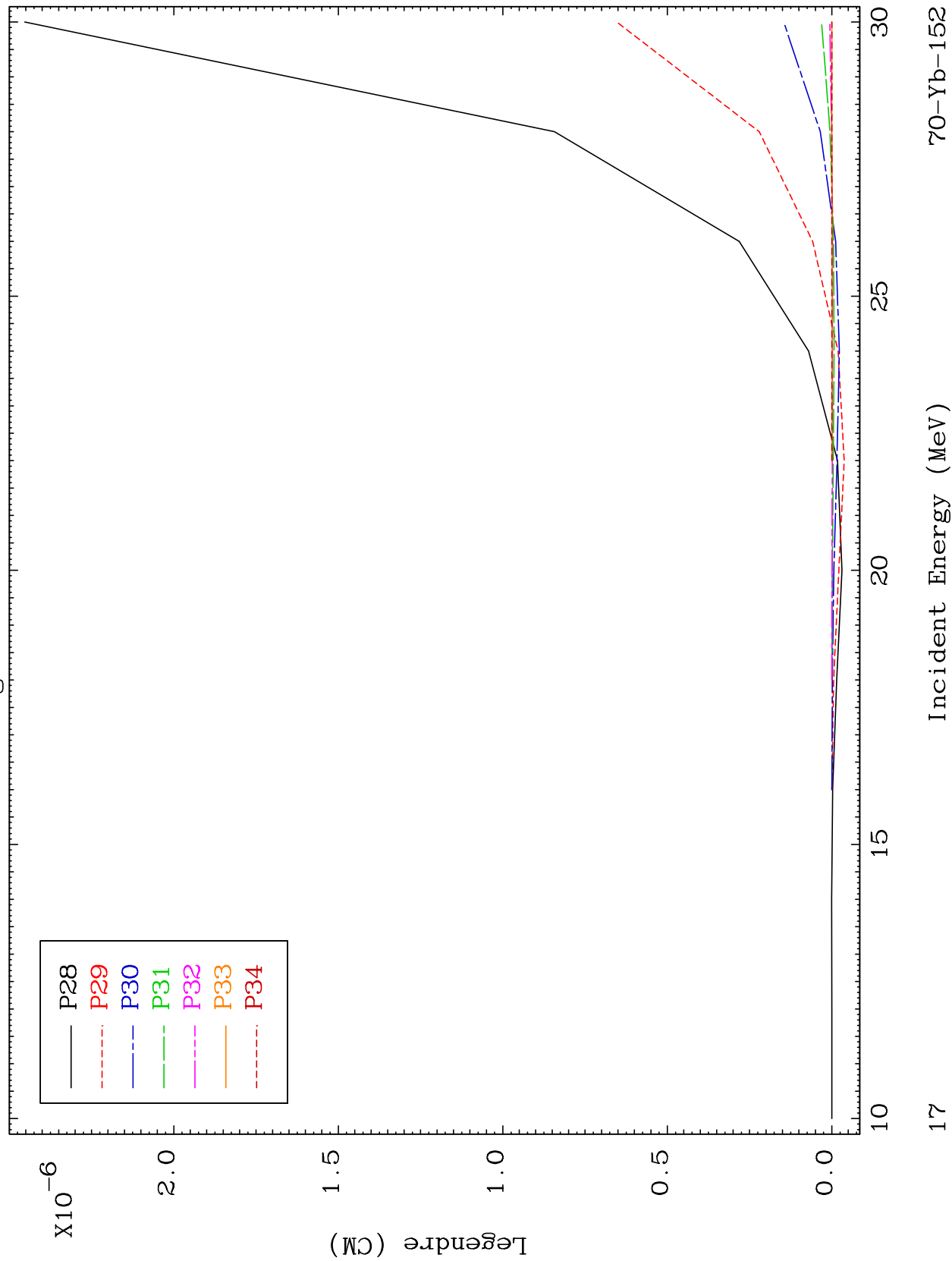
Incident Energy (MeV)

70-Yb-152

MAT 6977

Elastic Legendre Coefficients

70-Yb-152



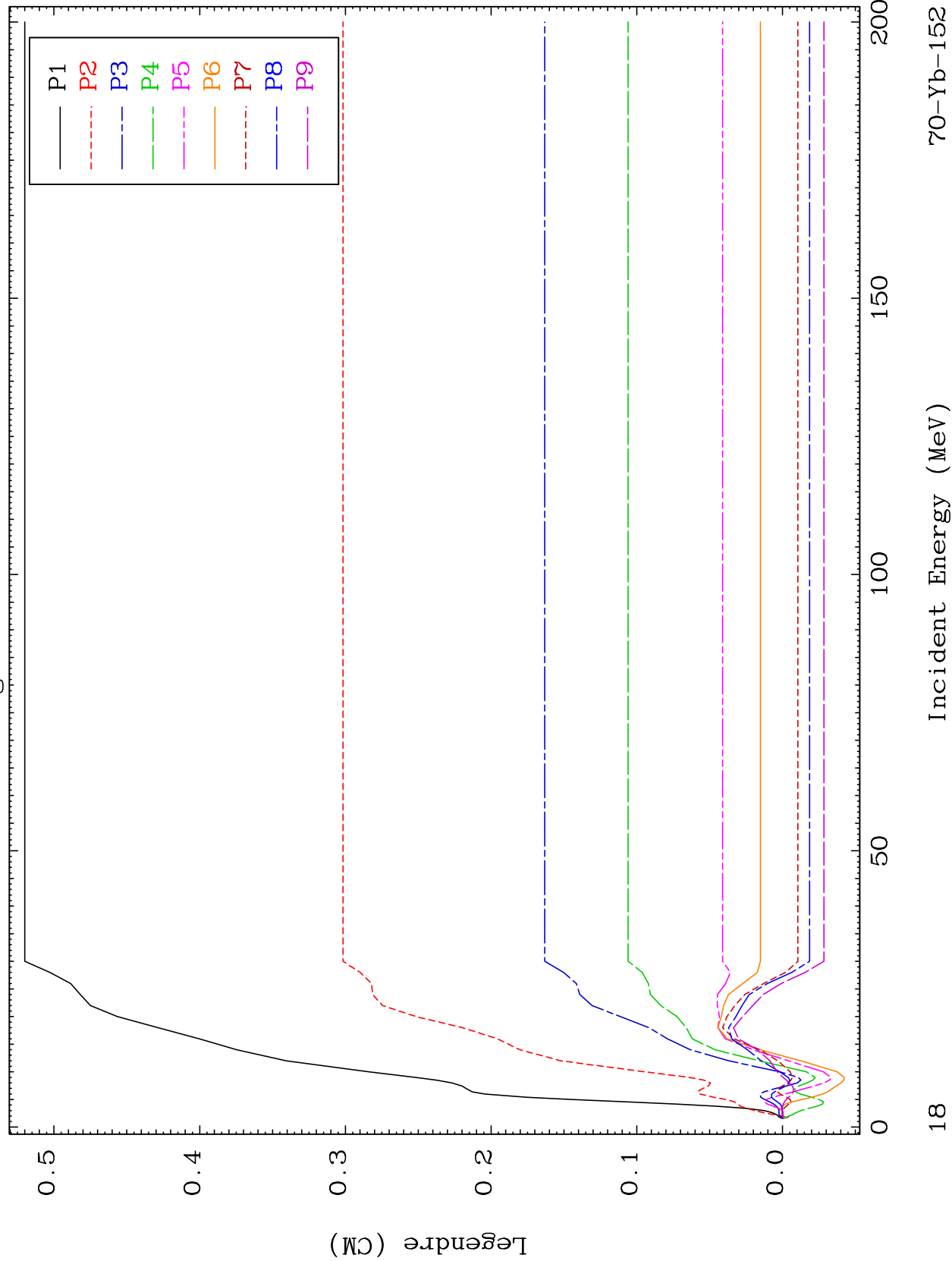
17

70-Yb-152

MAT 6977

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

70-Yb-152



18

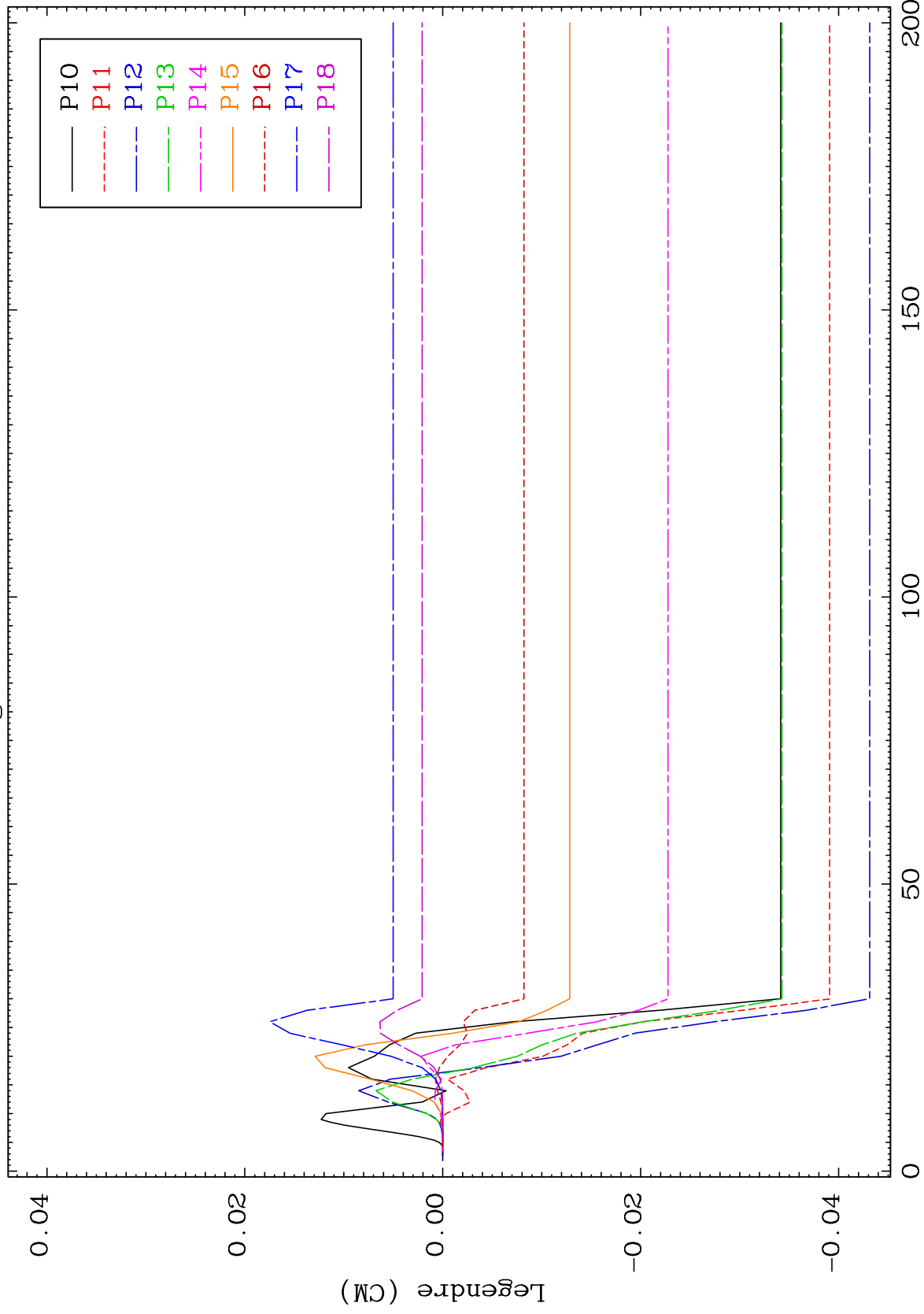
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



19

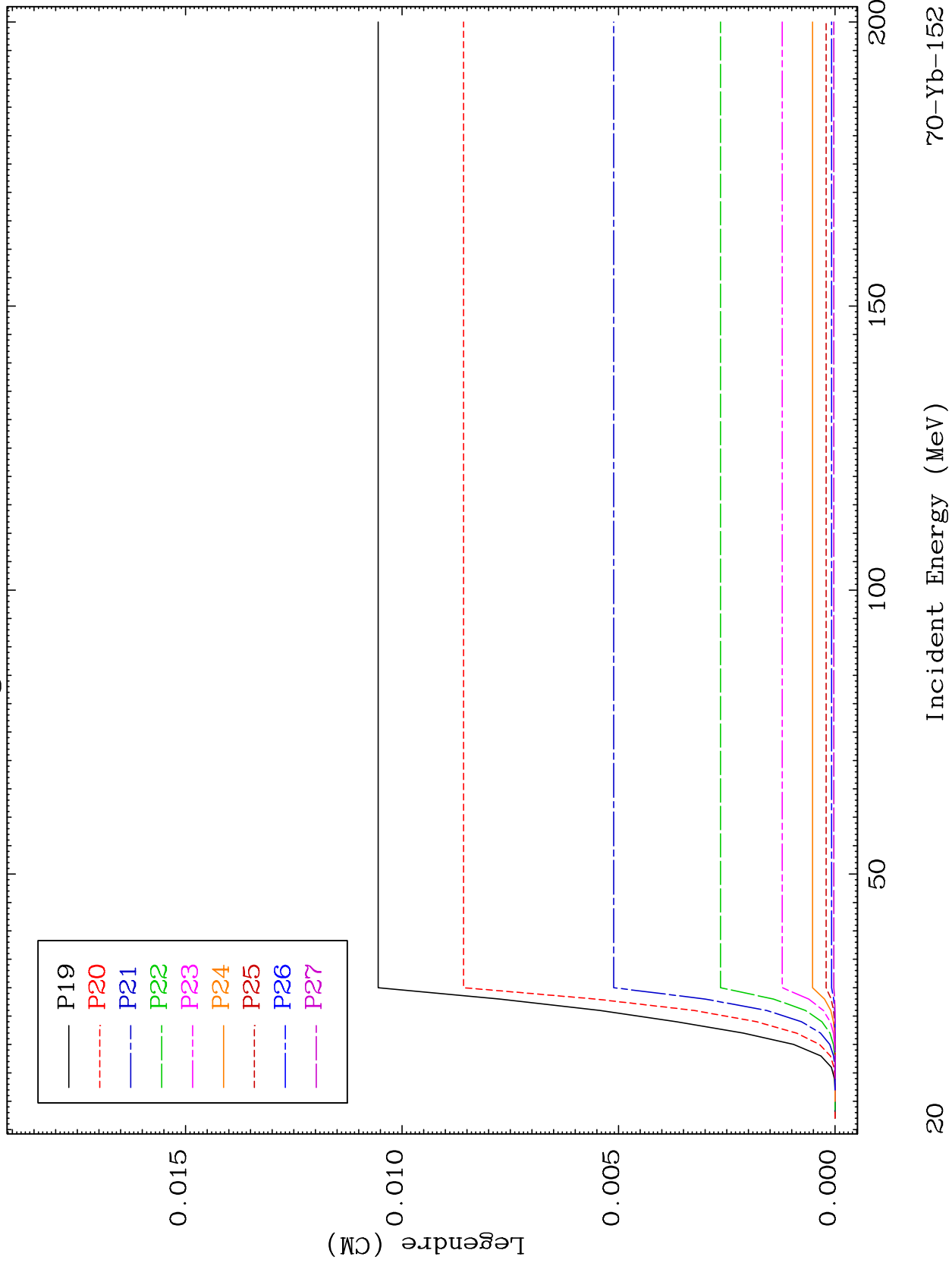
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



20

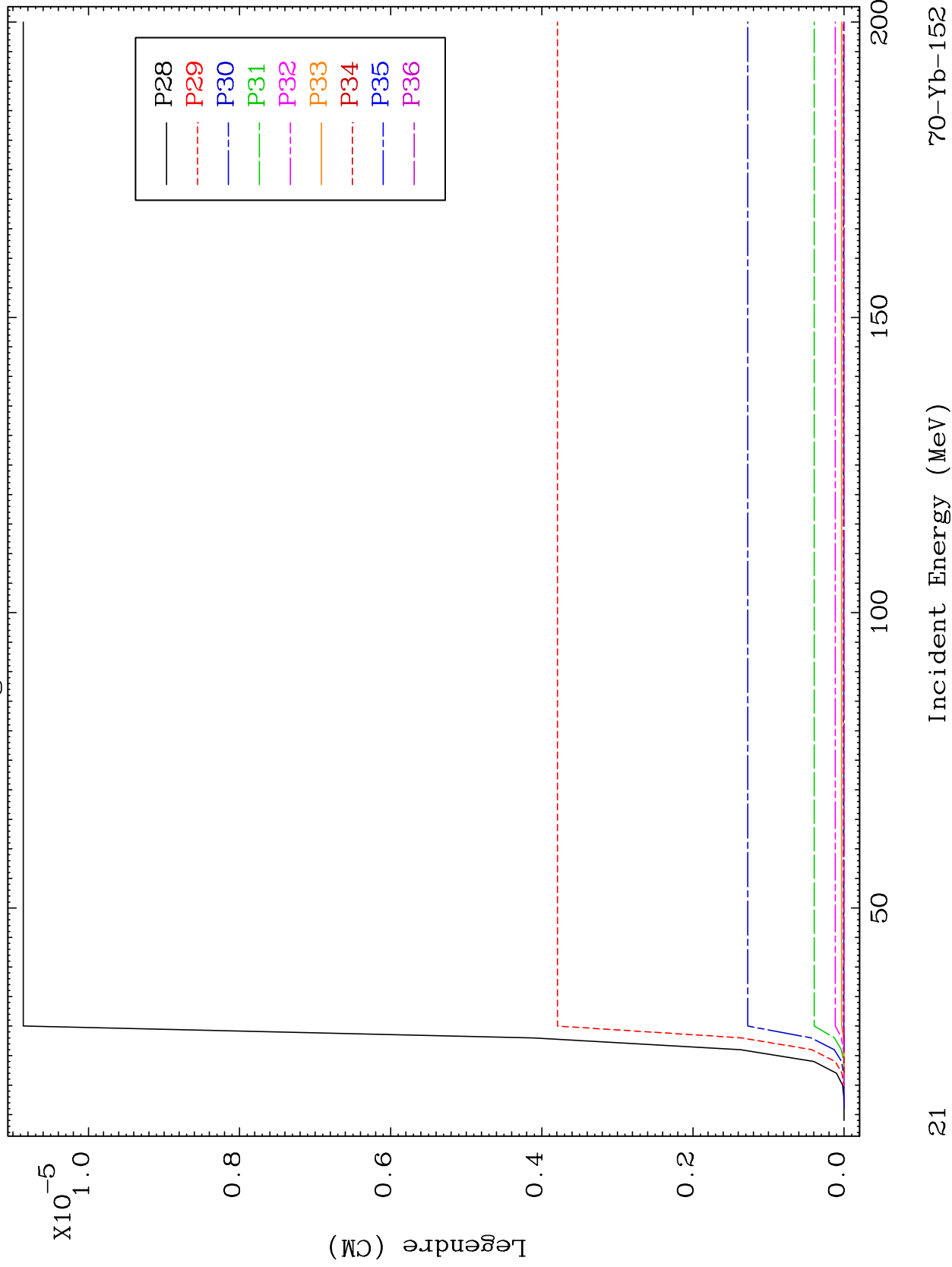
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152

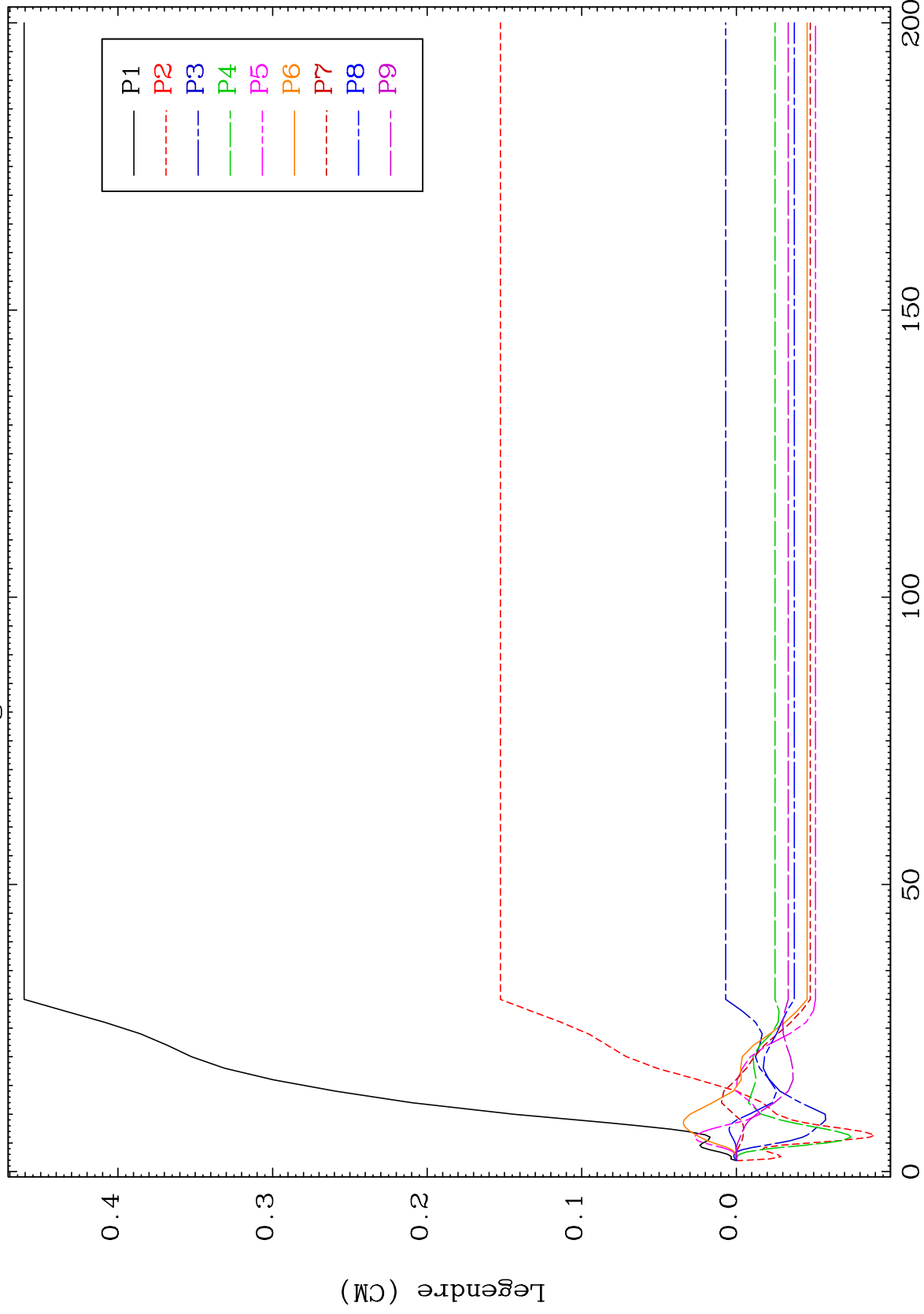


21

MAT 69777

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

70-Yb-152



22

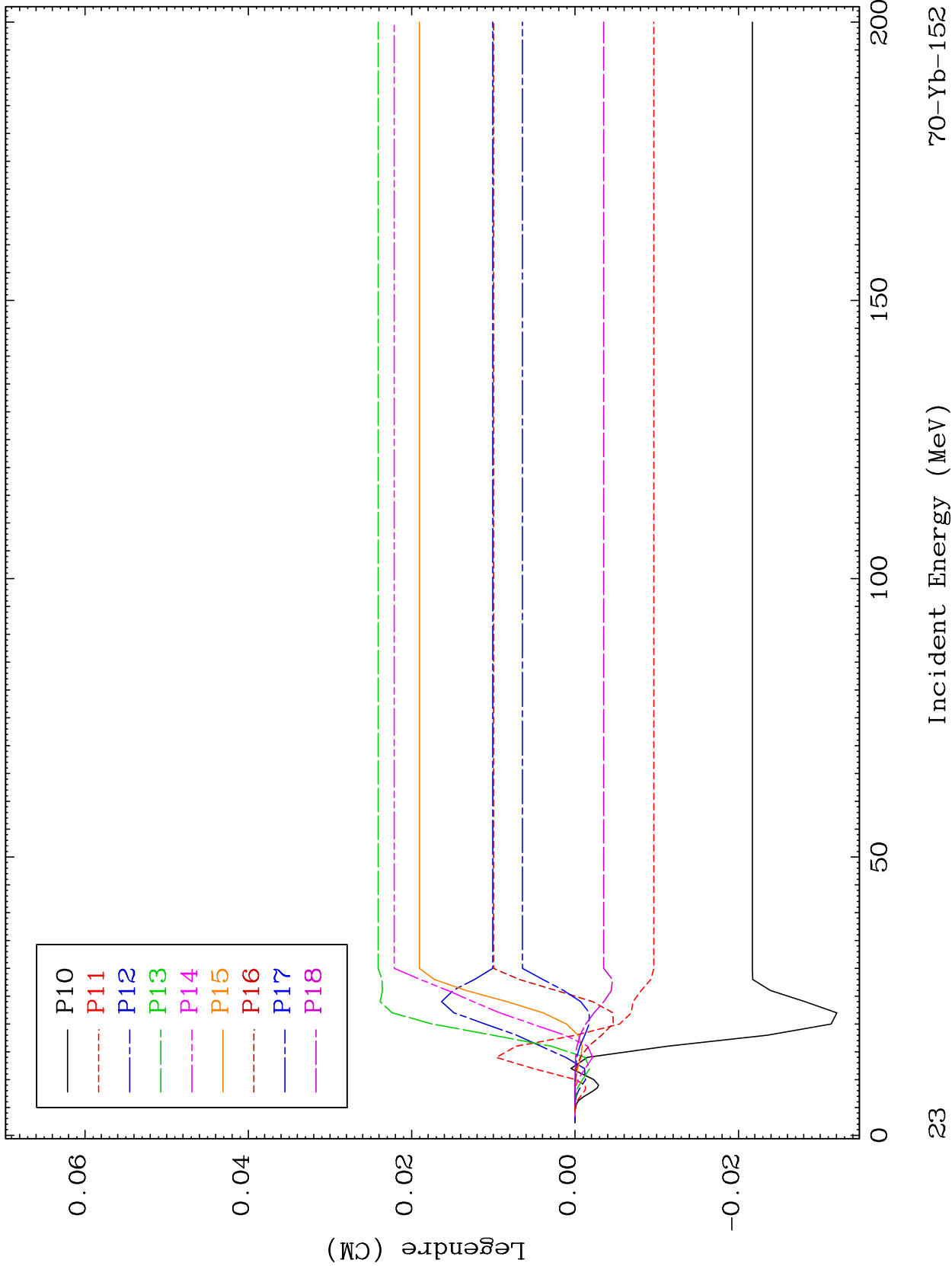
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

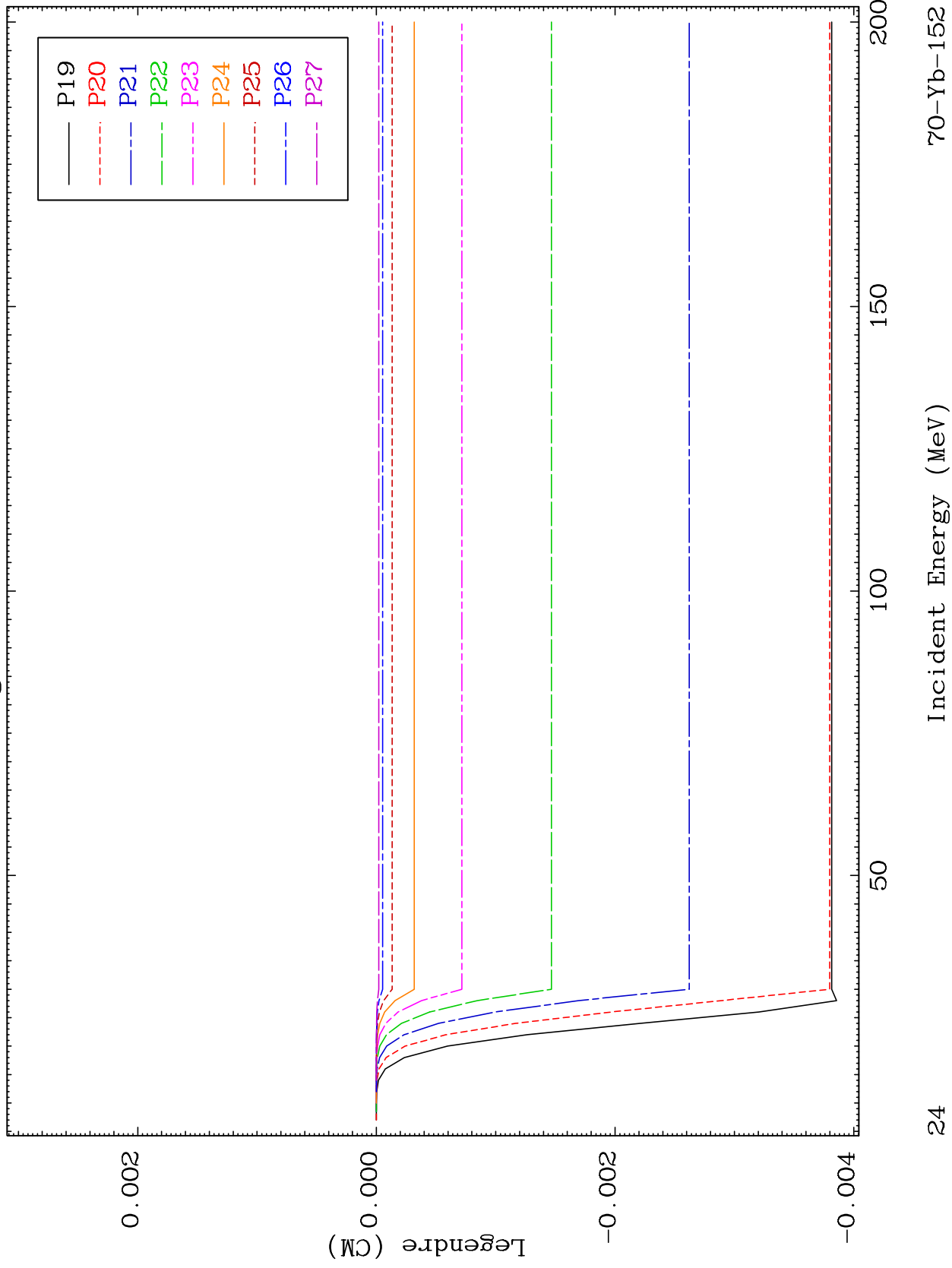
70-Yb-152



MAT 6977

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

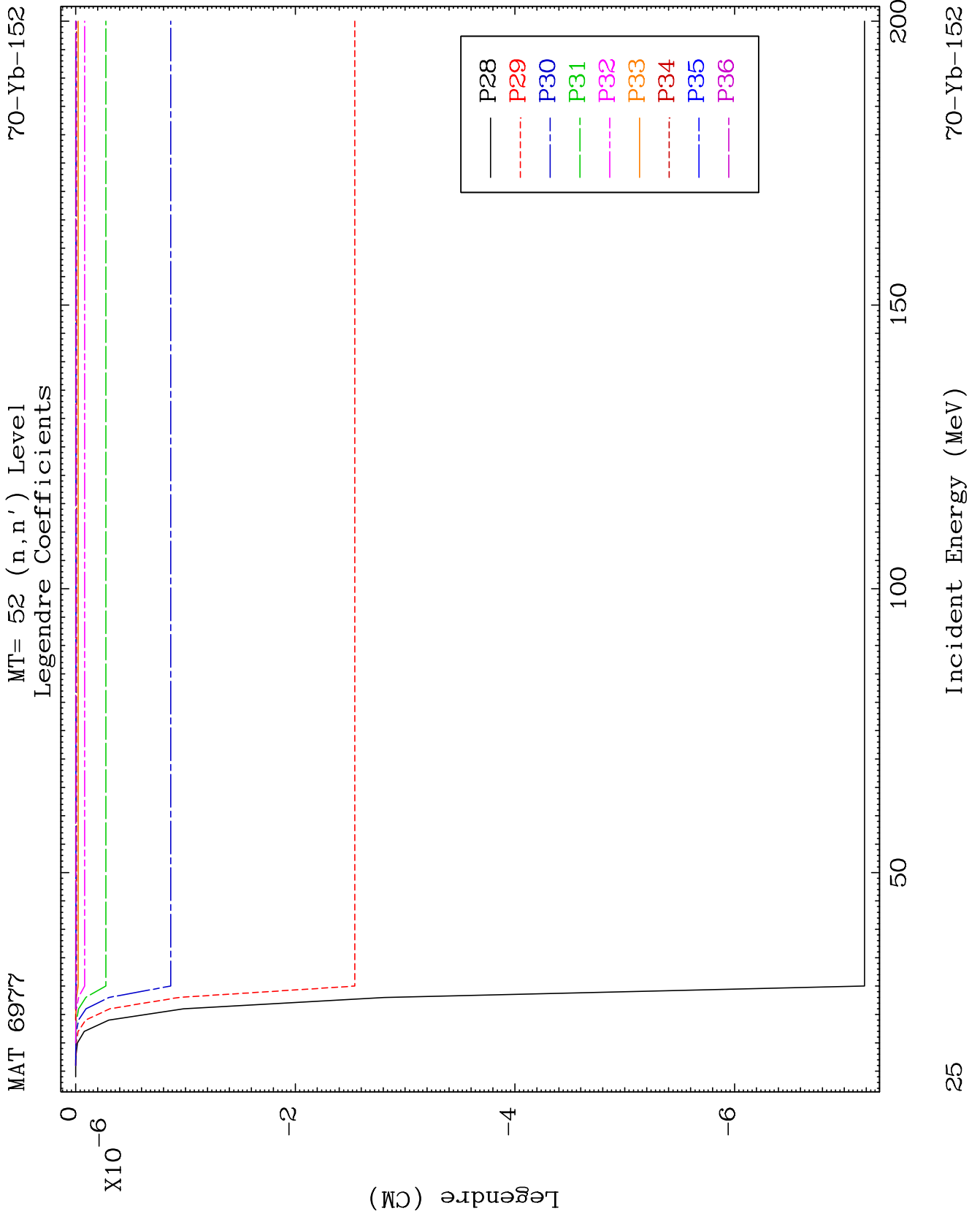
70-Yb-152



24

Incident Energy (MeV)

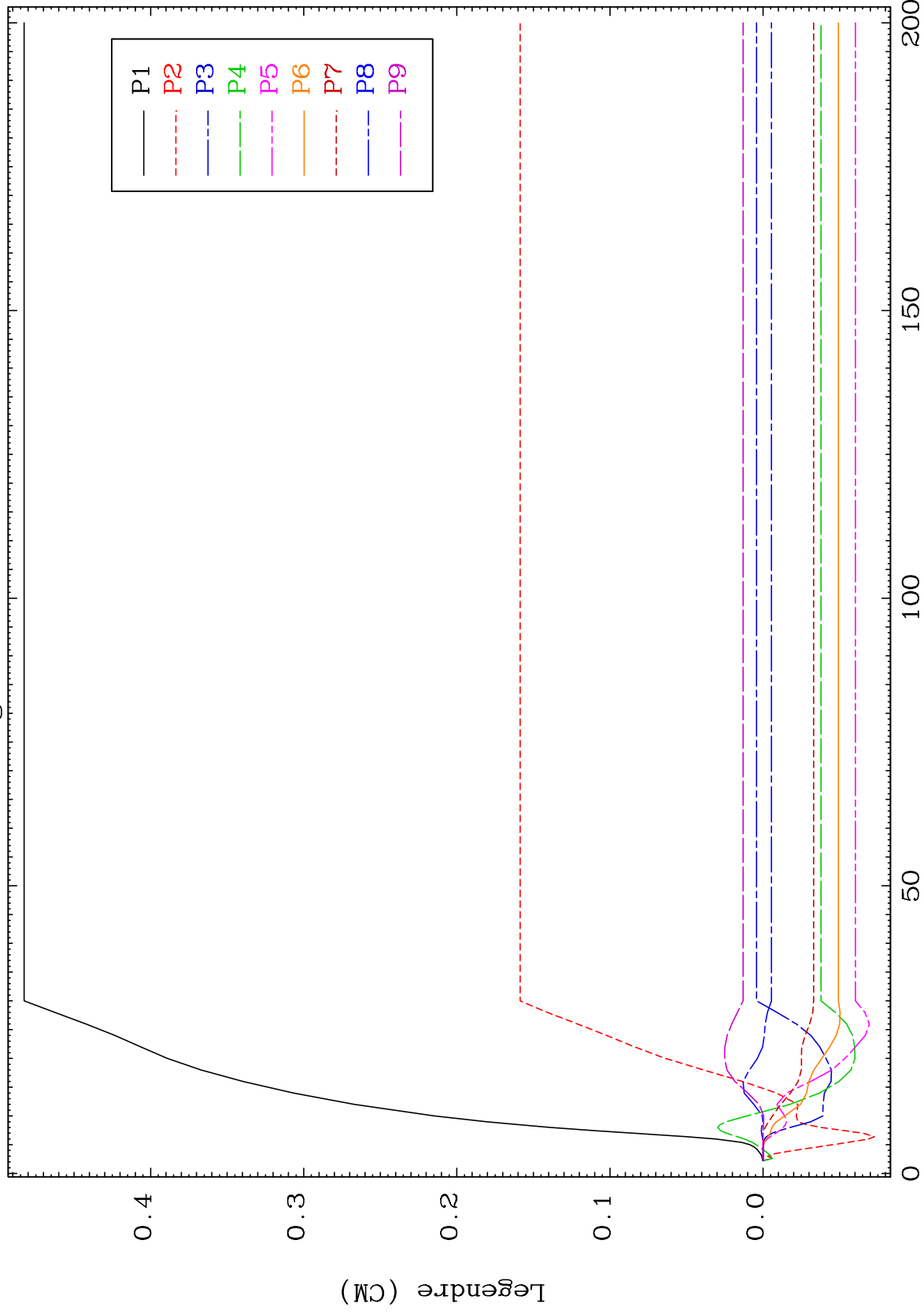
70-Yb-152



MAT 6977

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

70-Yb-152



26

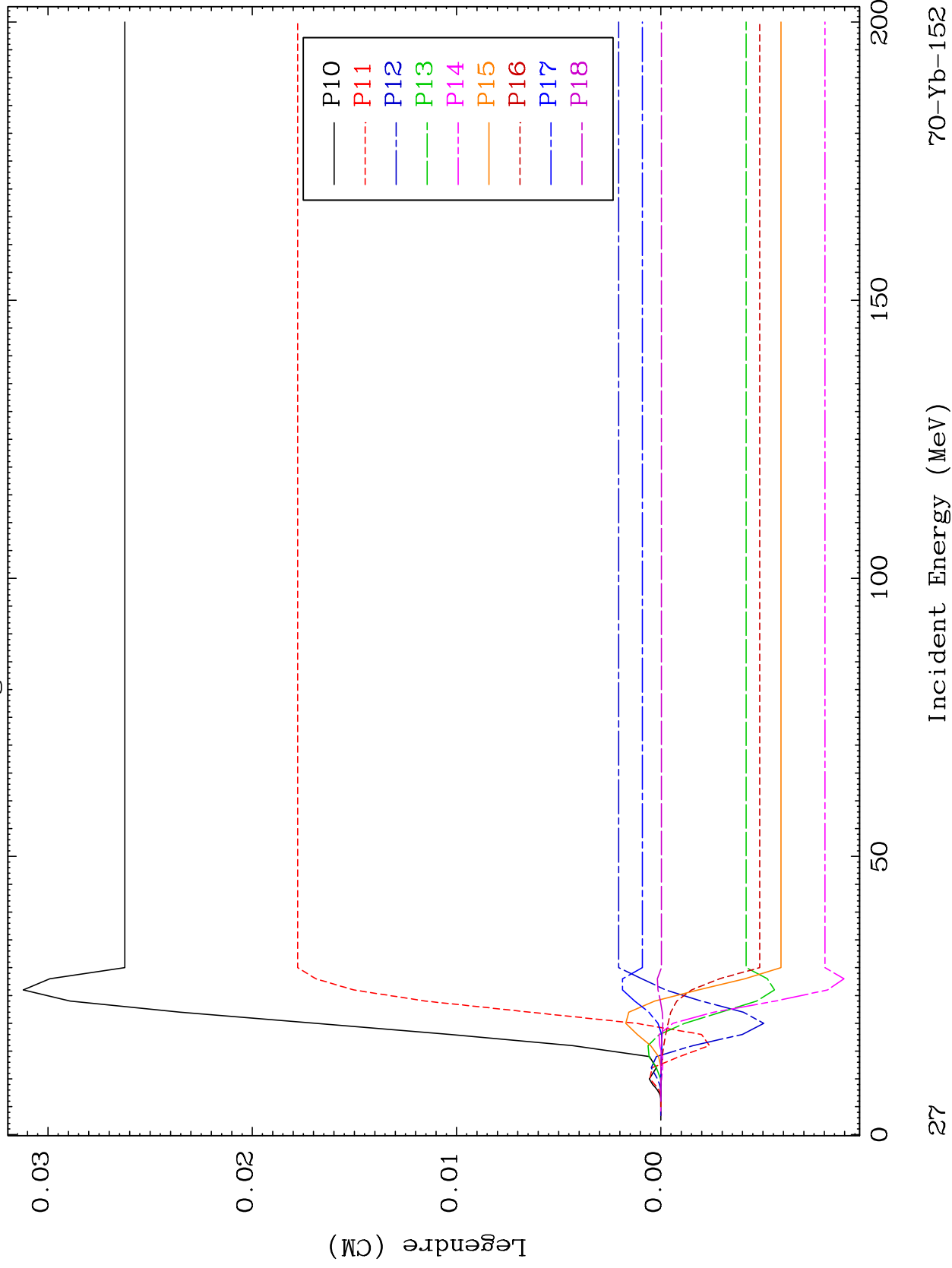
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



27

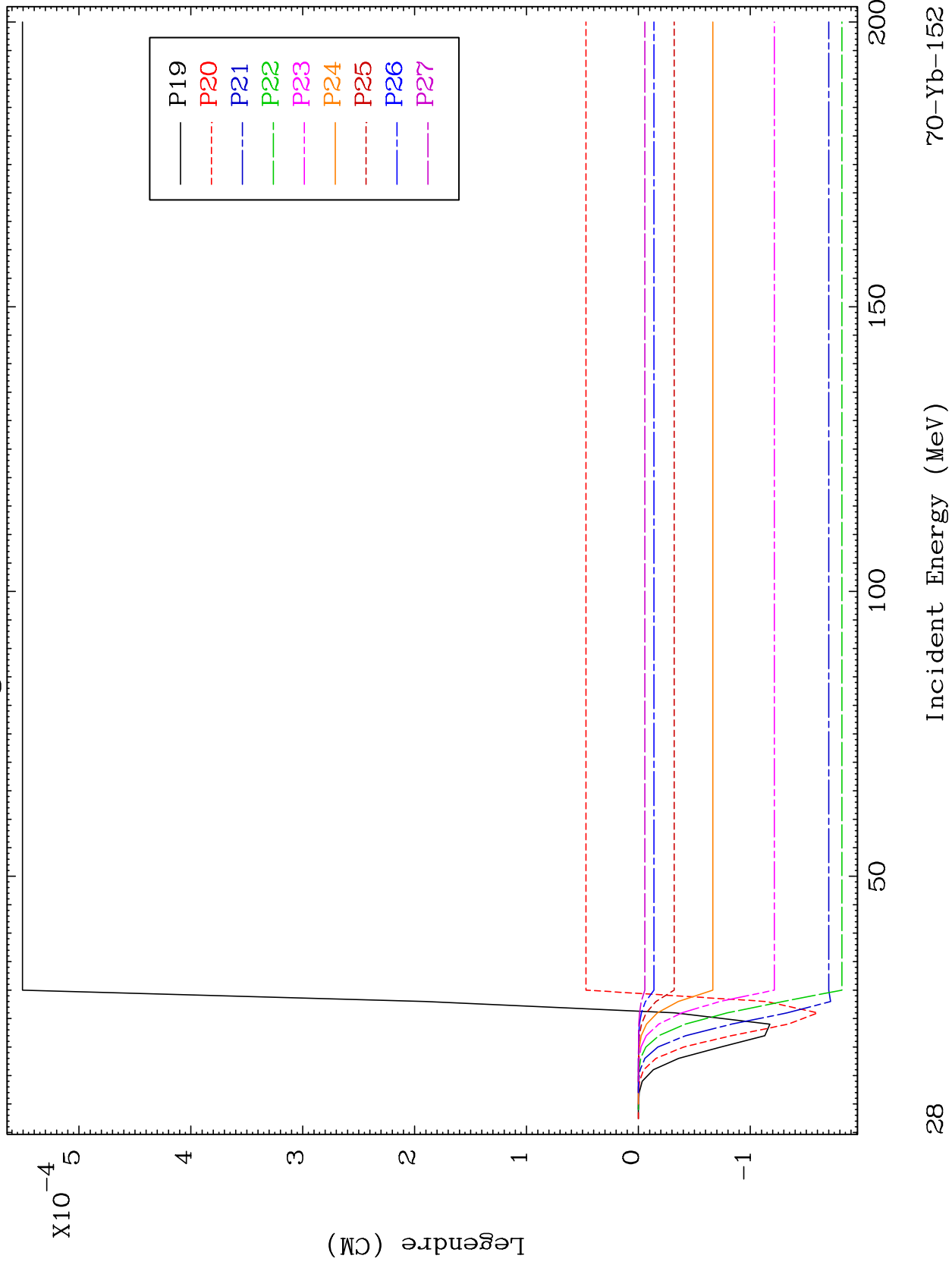
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

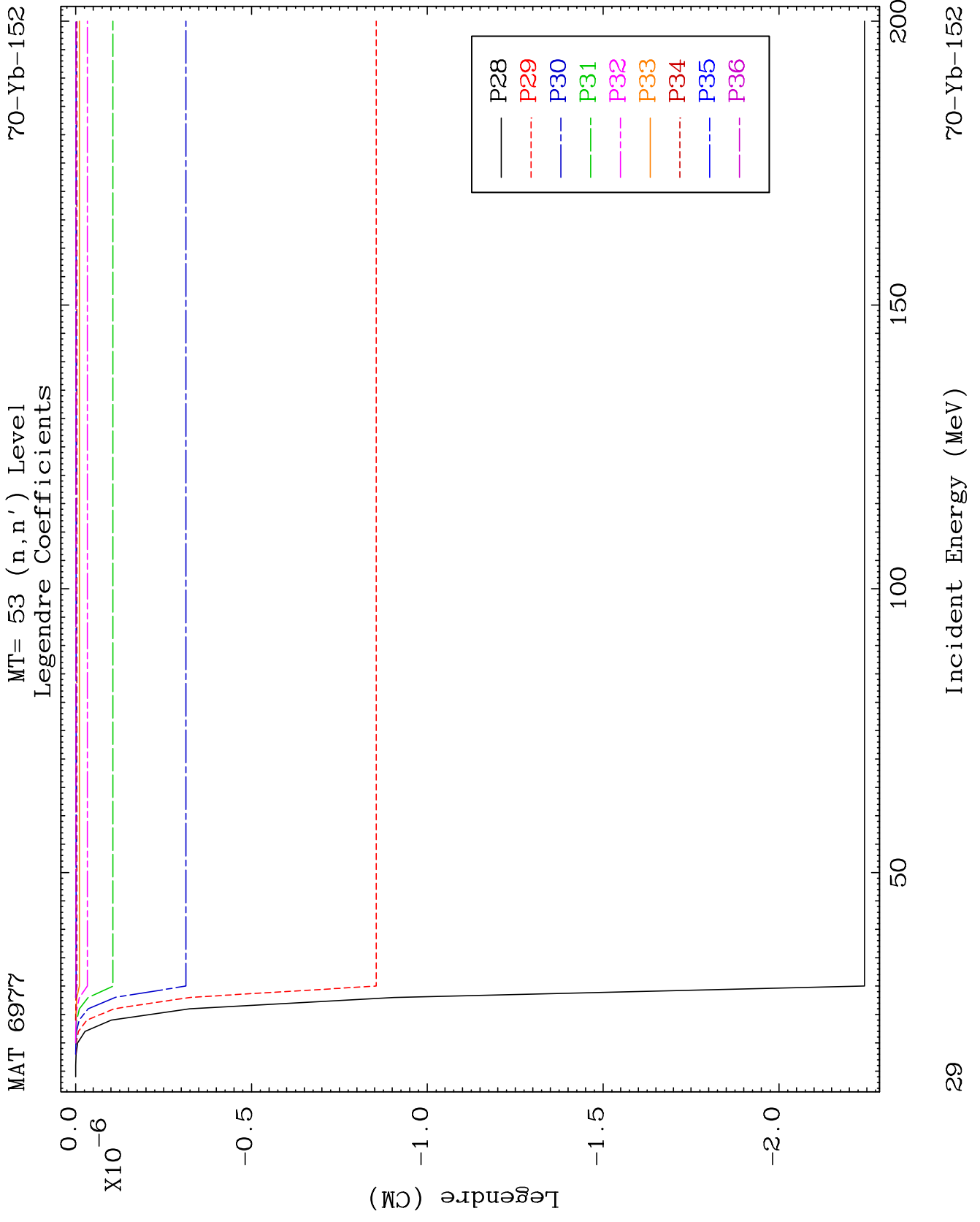
70-Yb-152



28

Incident Energy (MeV)

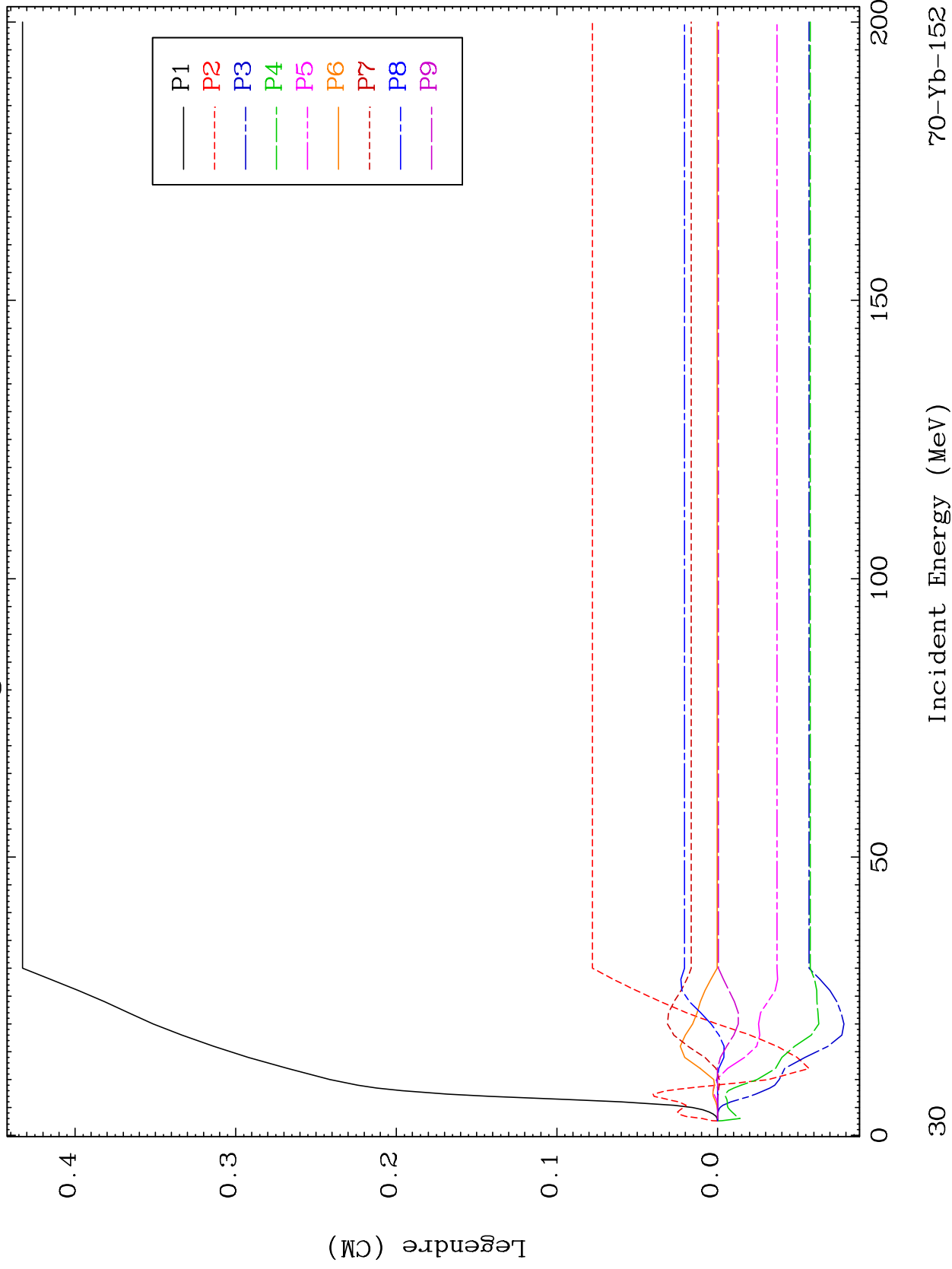
70-Yb-152



MAT 6977

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

70-Yb-152



70-Yb-152

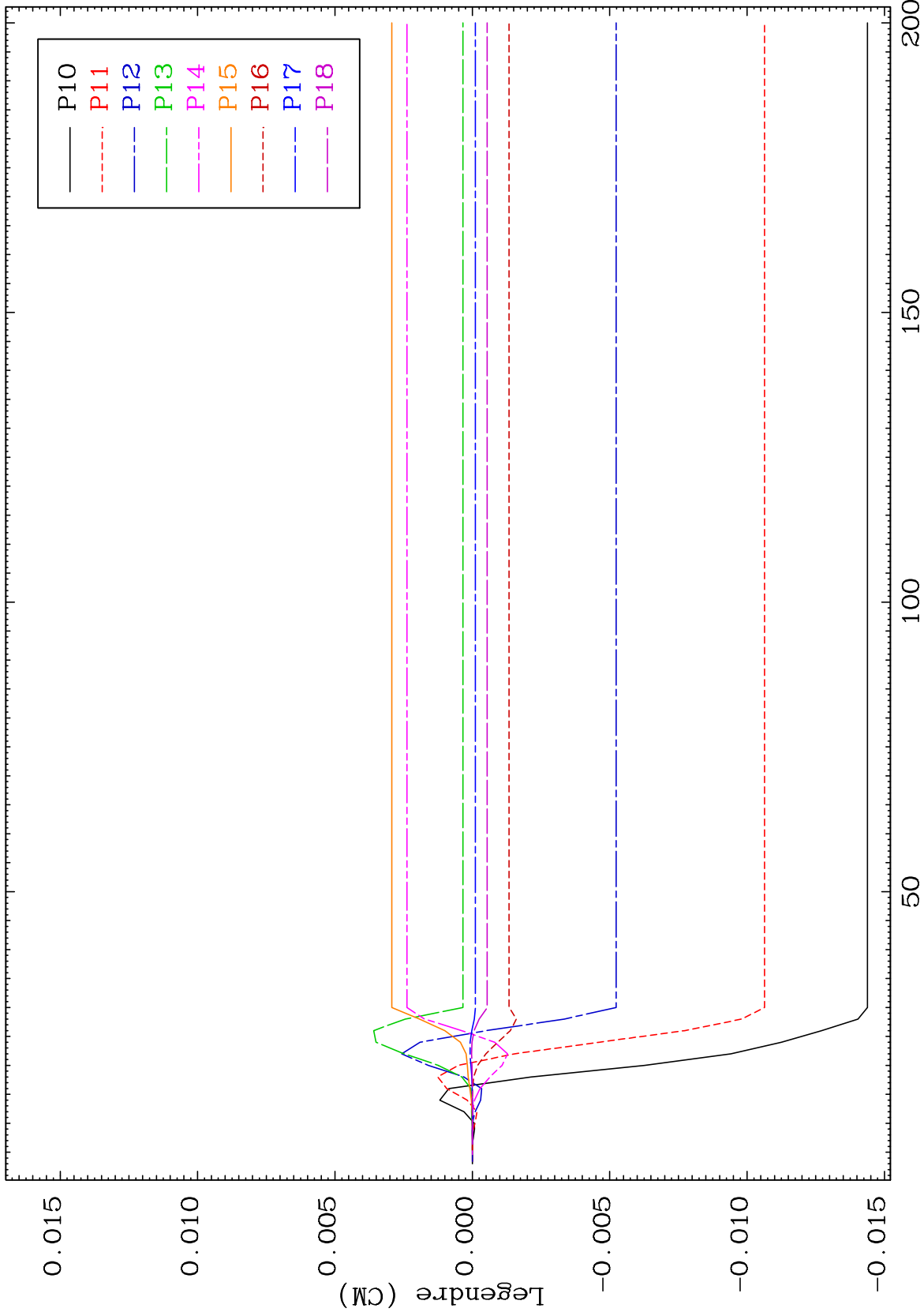
Incident Energy (MeV)

30

MAT 6977

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

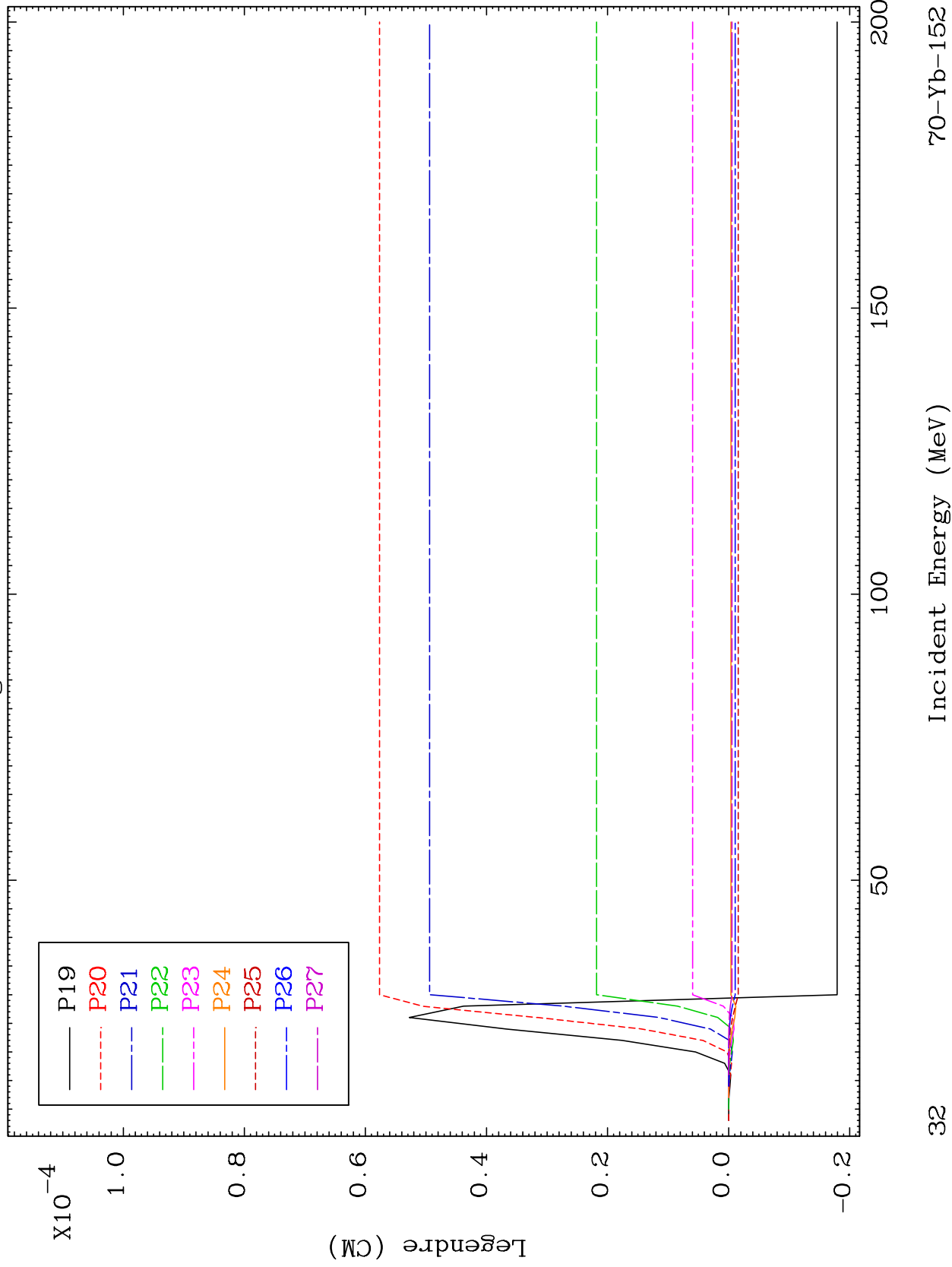
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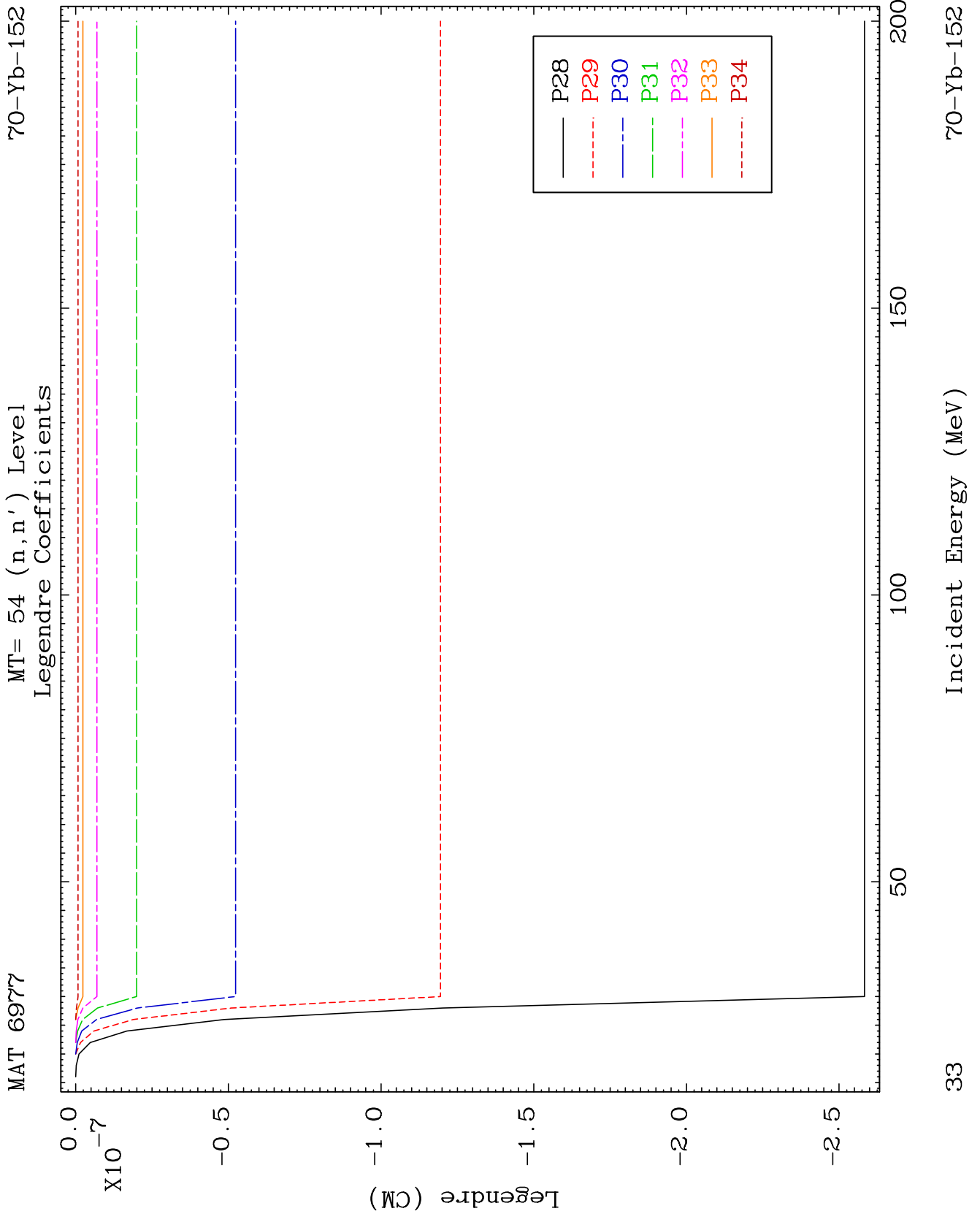


MAT 6977

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

70-Yb-152

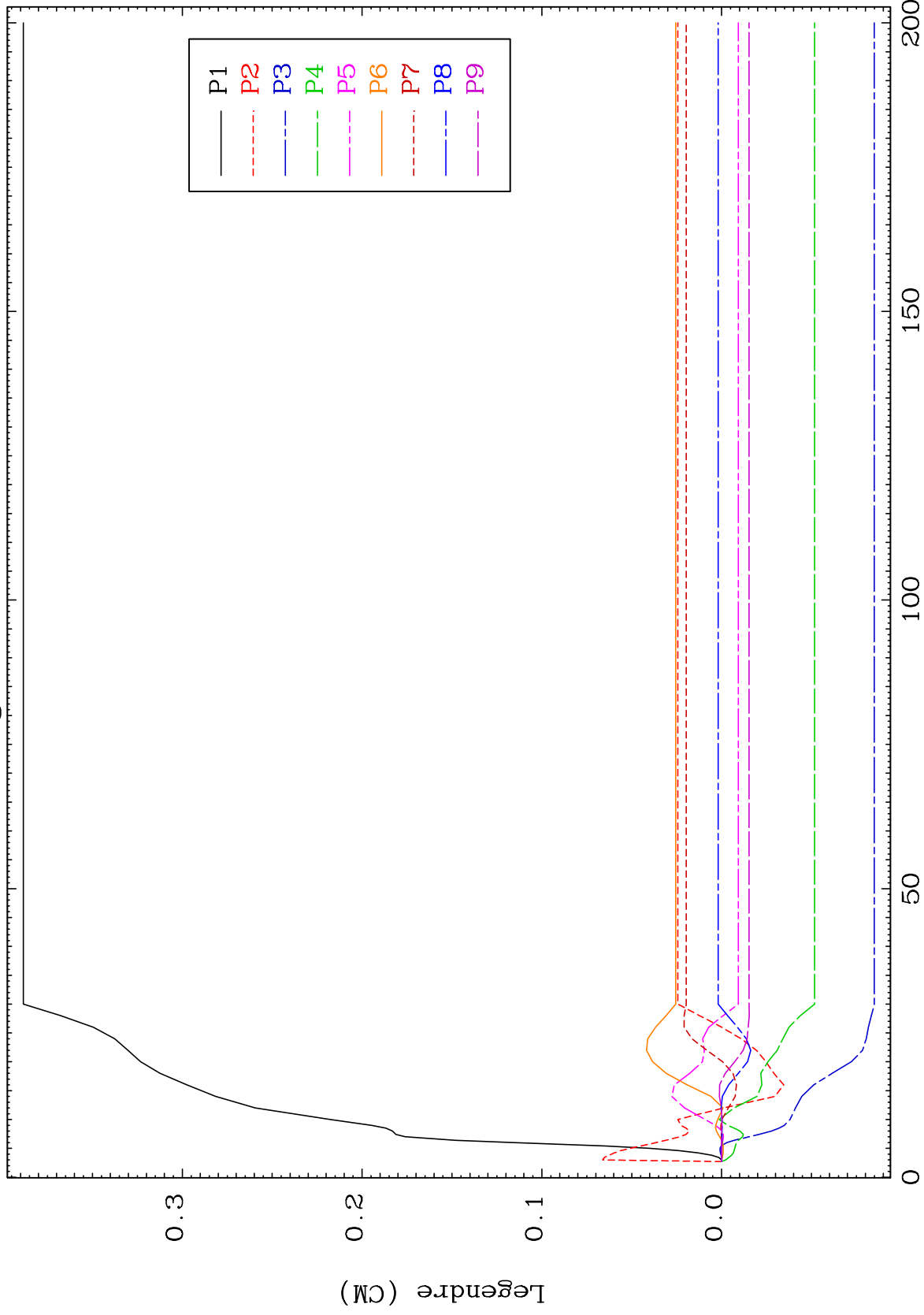




MAT 6977

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

70-Yb-152



34

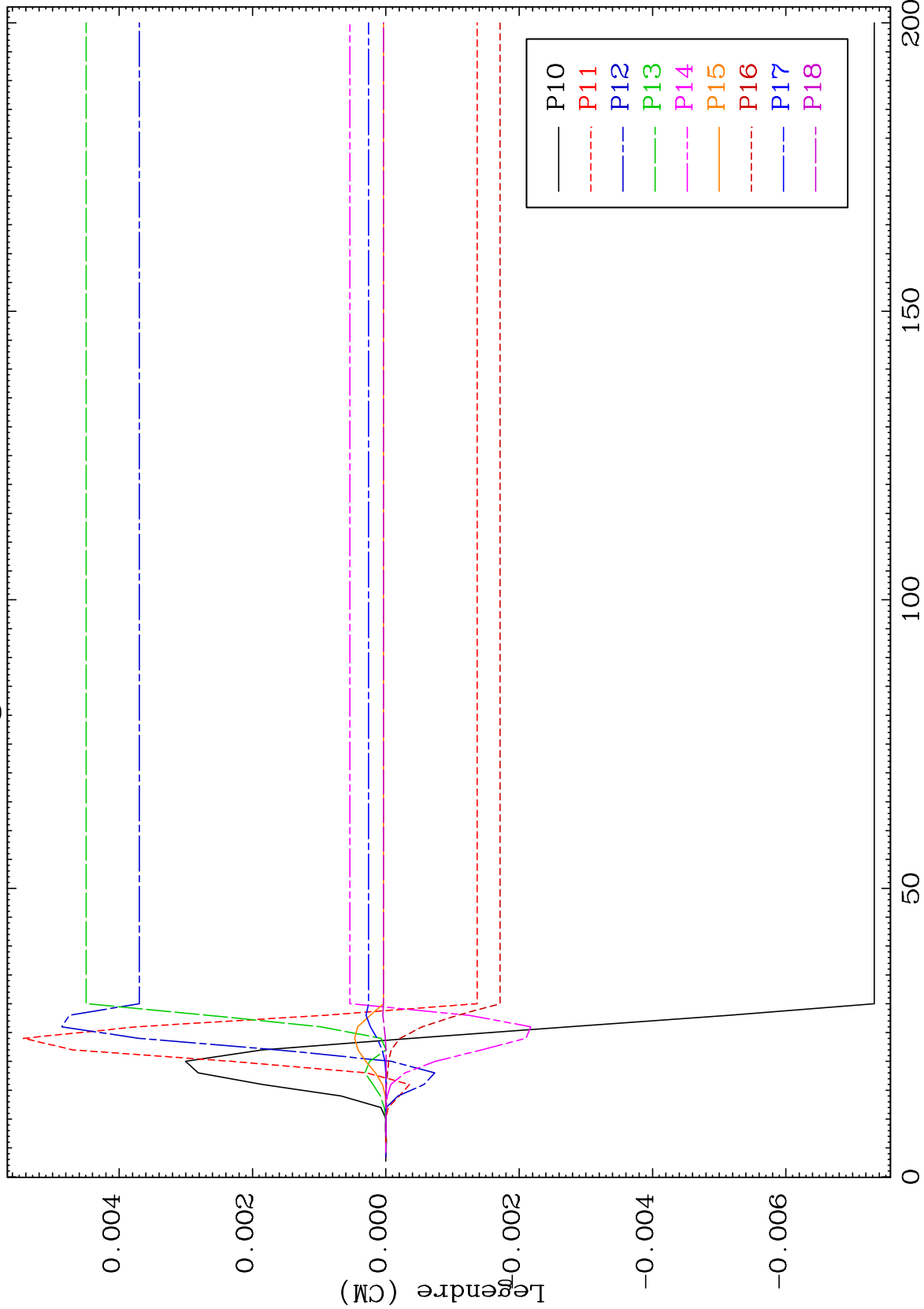
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



35

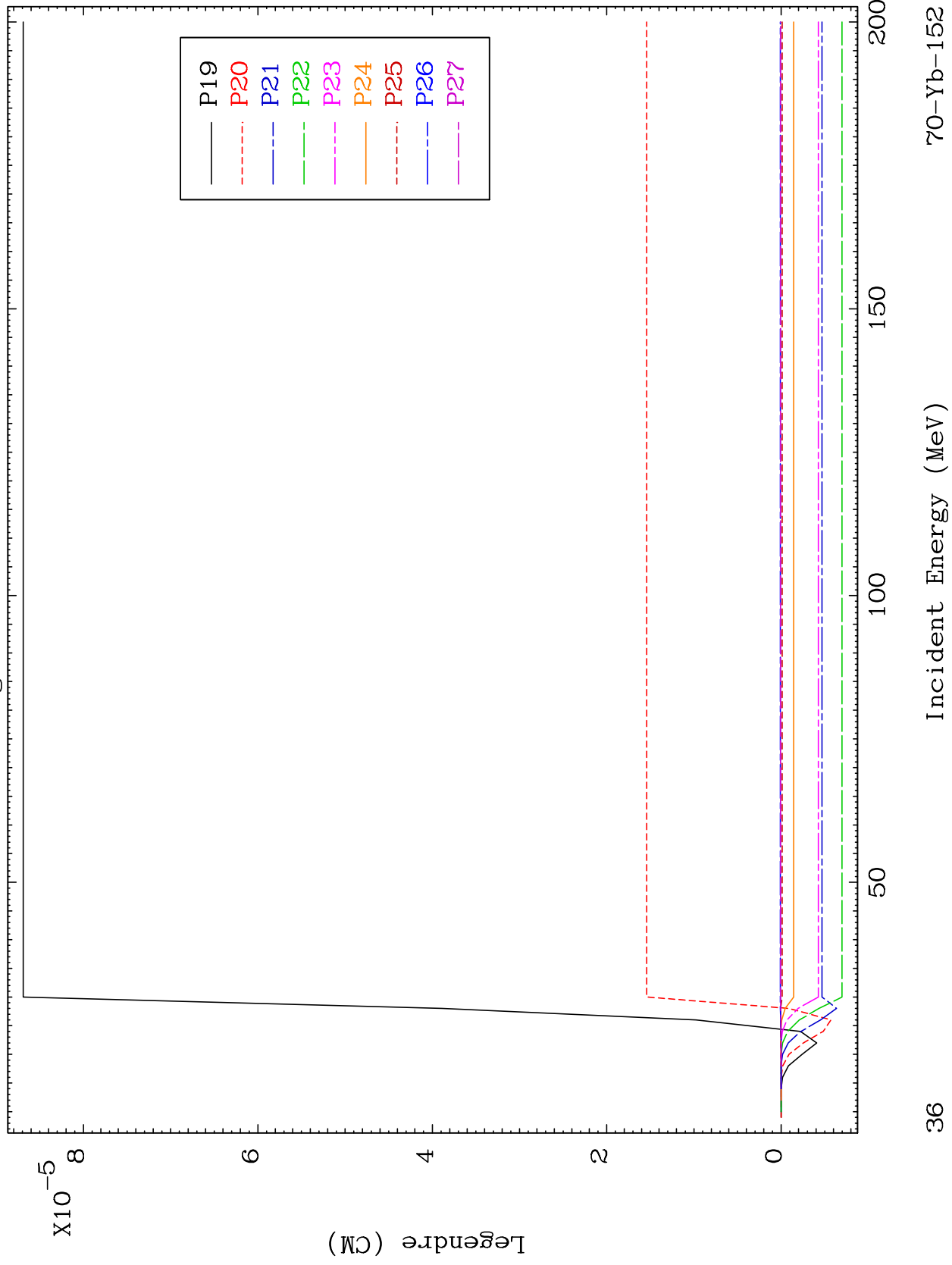
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

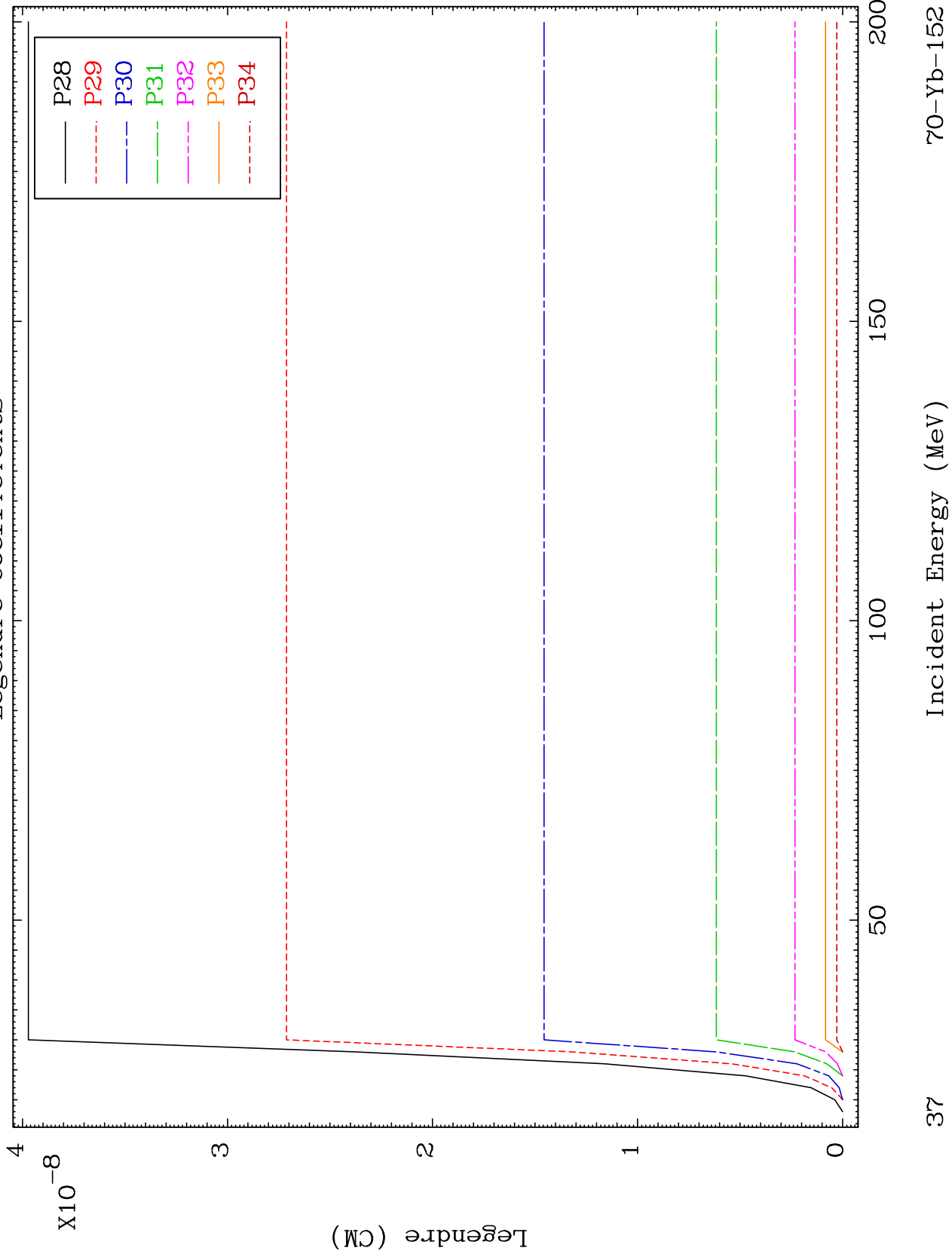
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MAT 6977

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

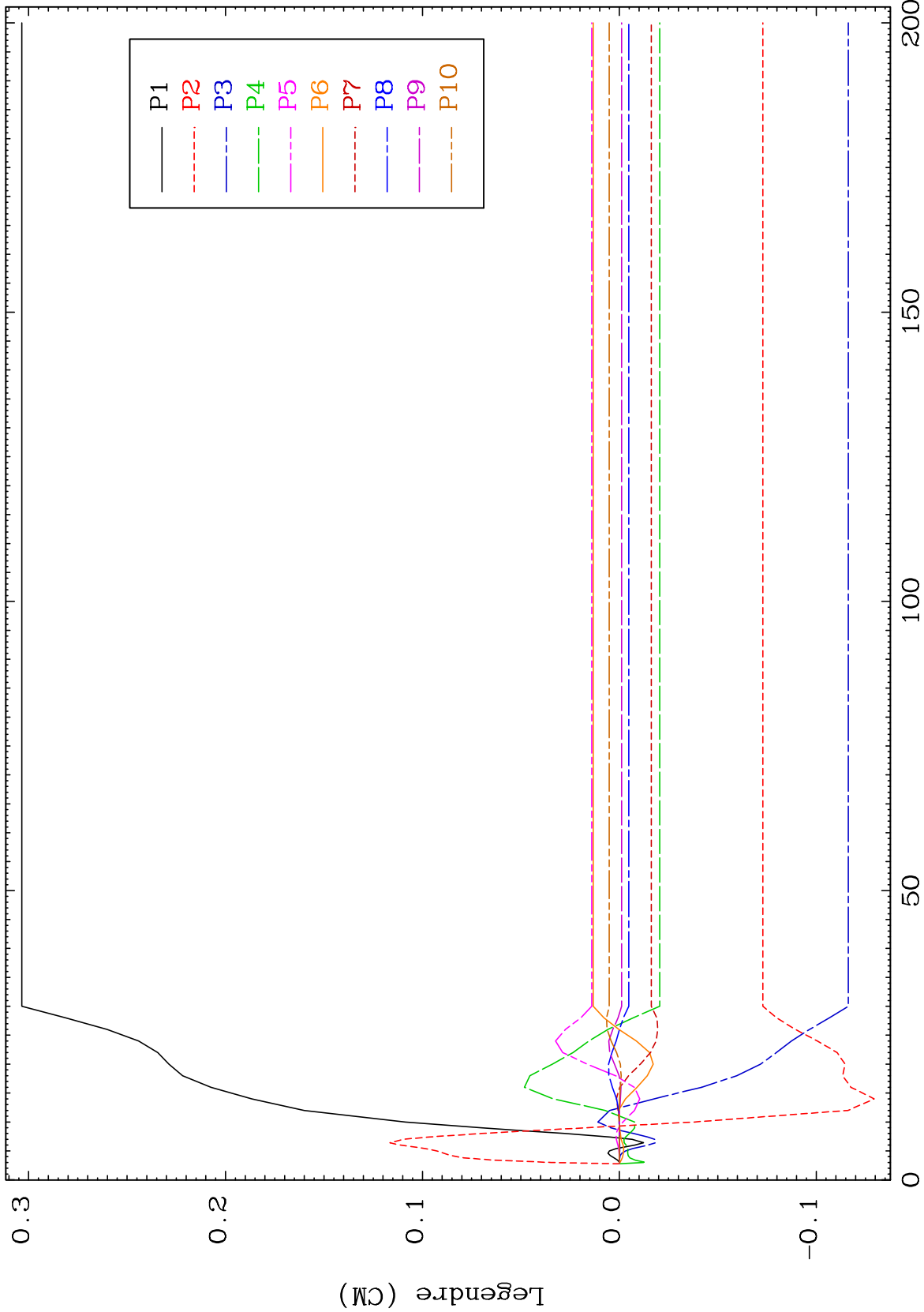
70-Yb-152



MAT 6977

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

70-Yb-152



38

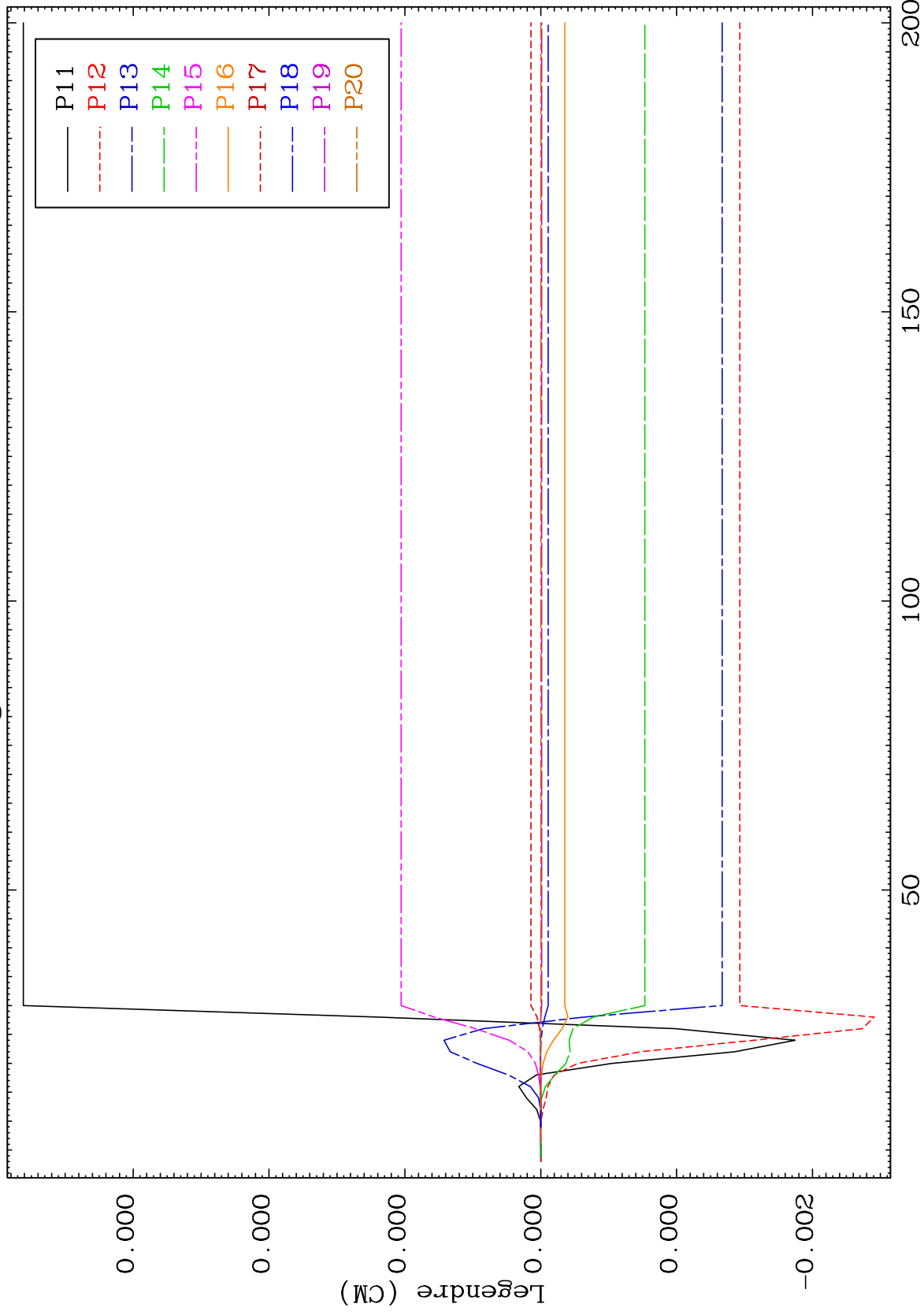
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

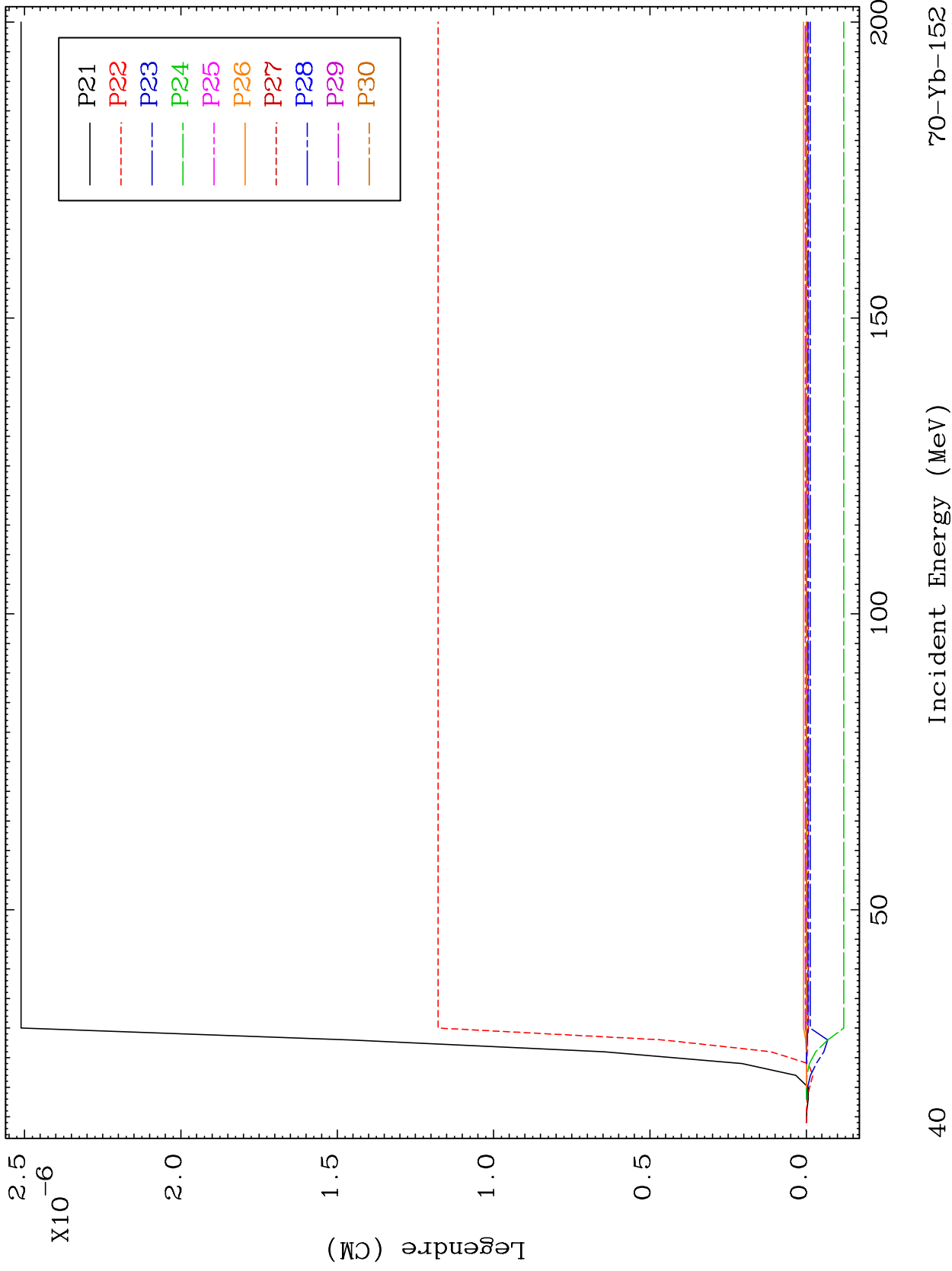
70-Yb-152



MAT 6977

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

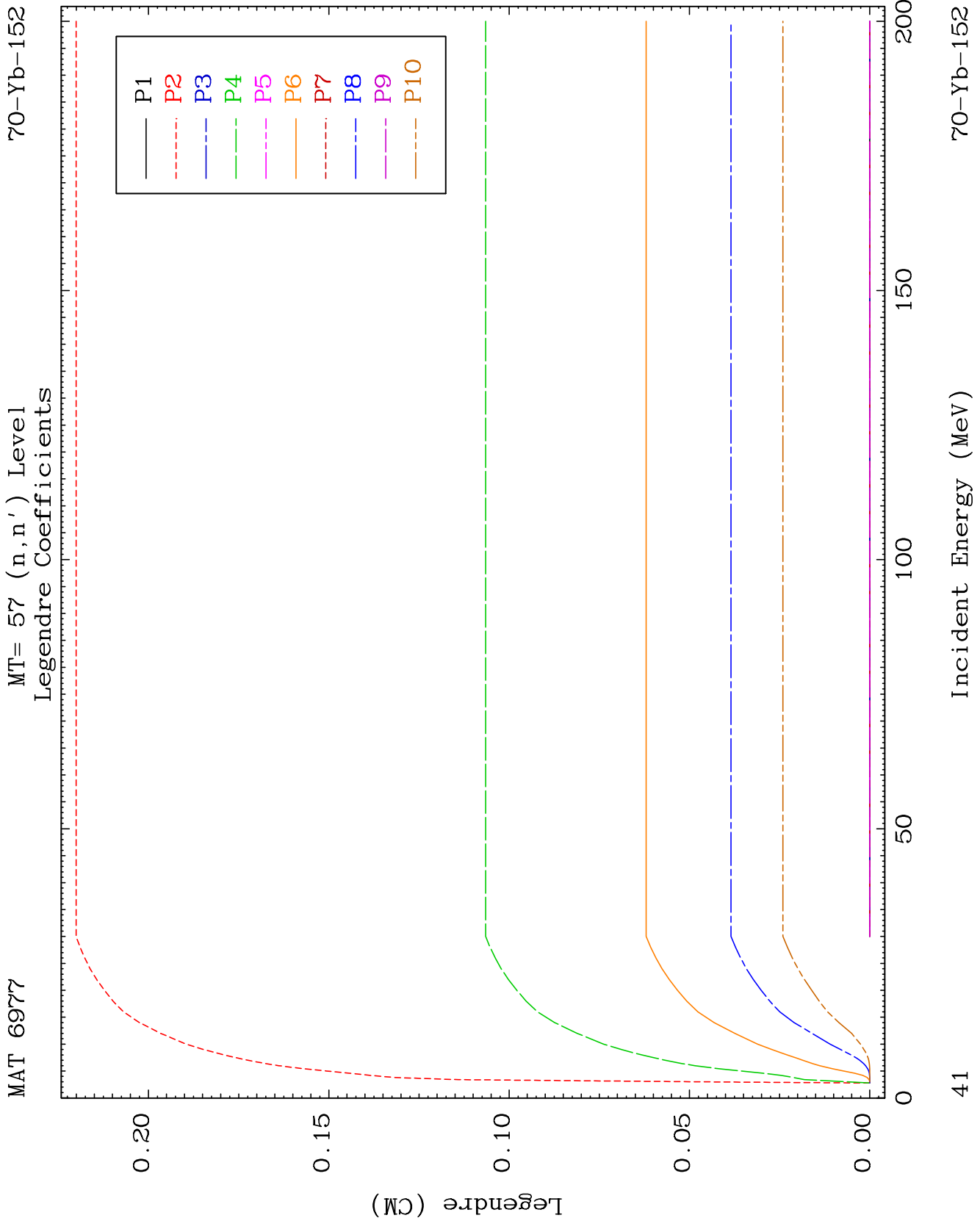
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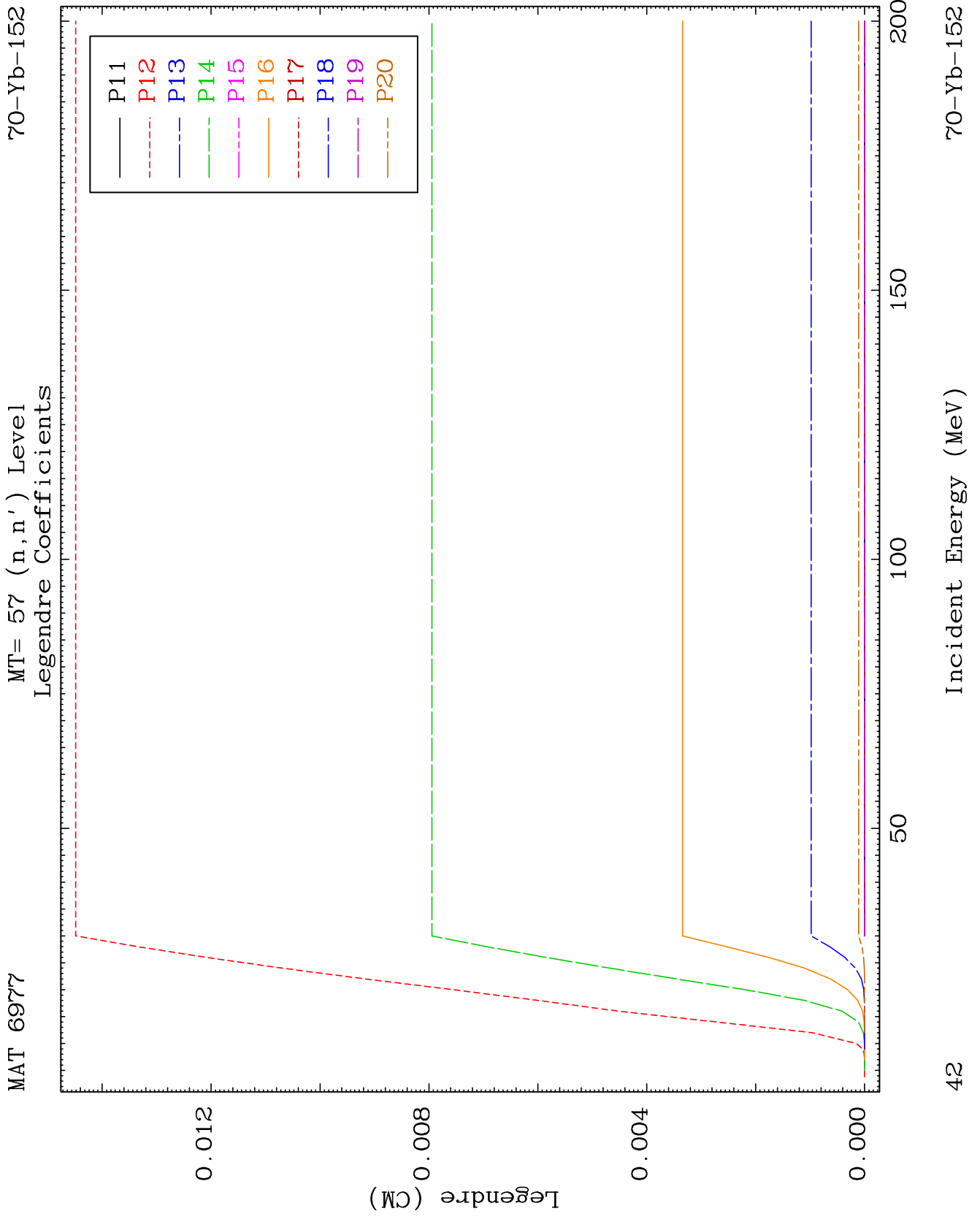


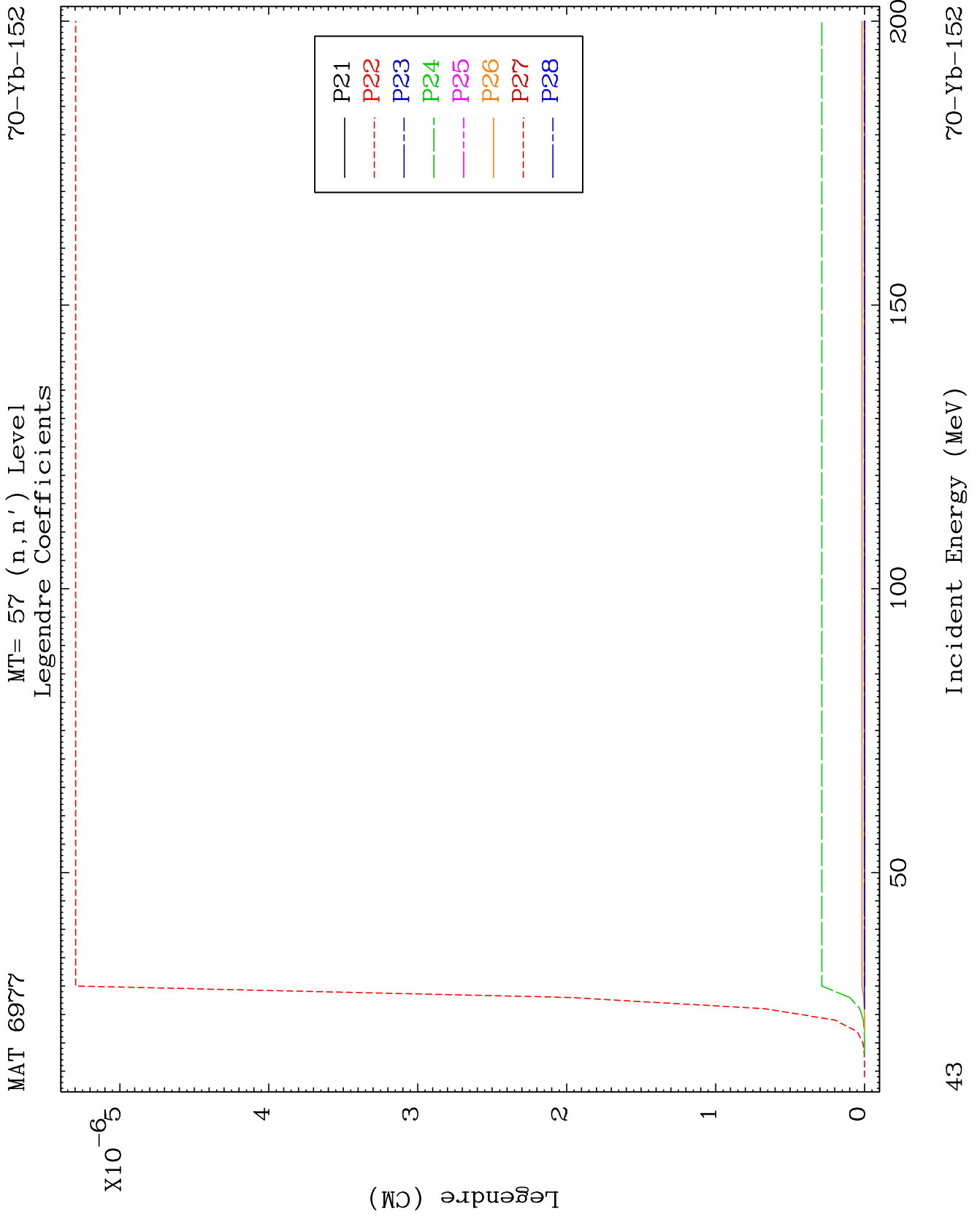
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Incident Energy (MeV)

70-Yb-152



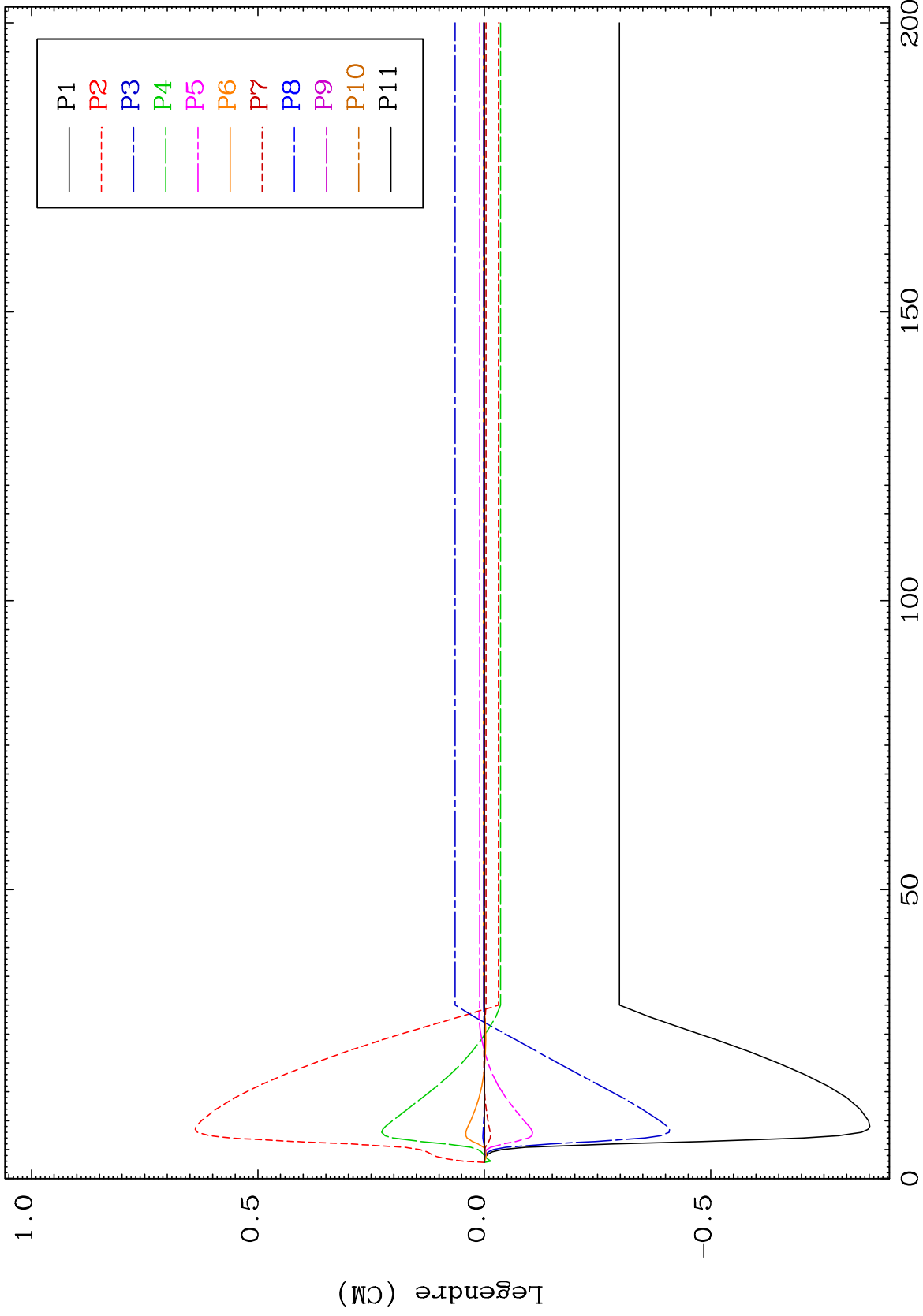




MAT 6977

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

70-Yb-152



44

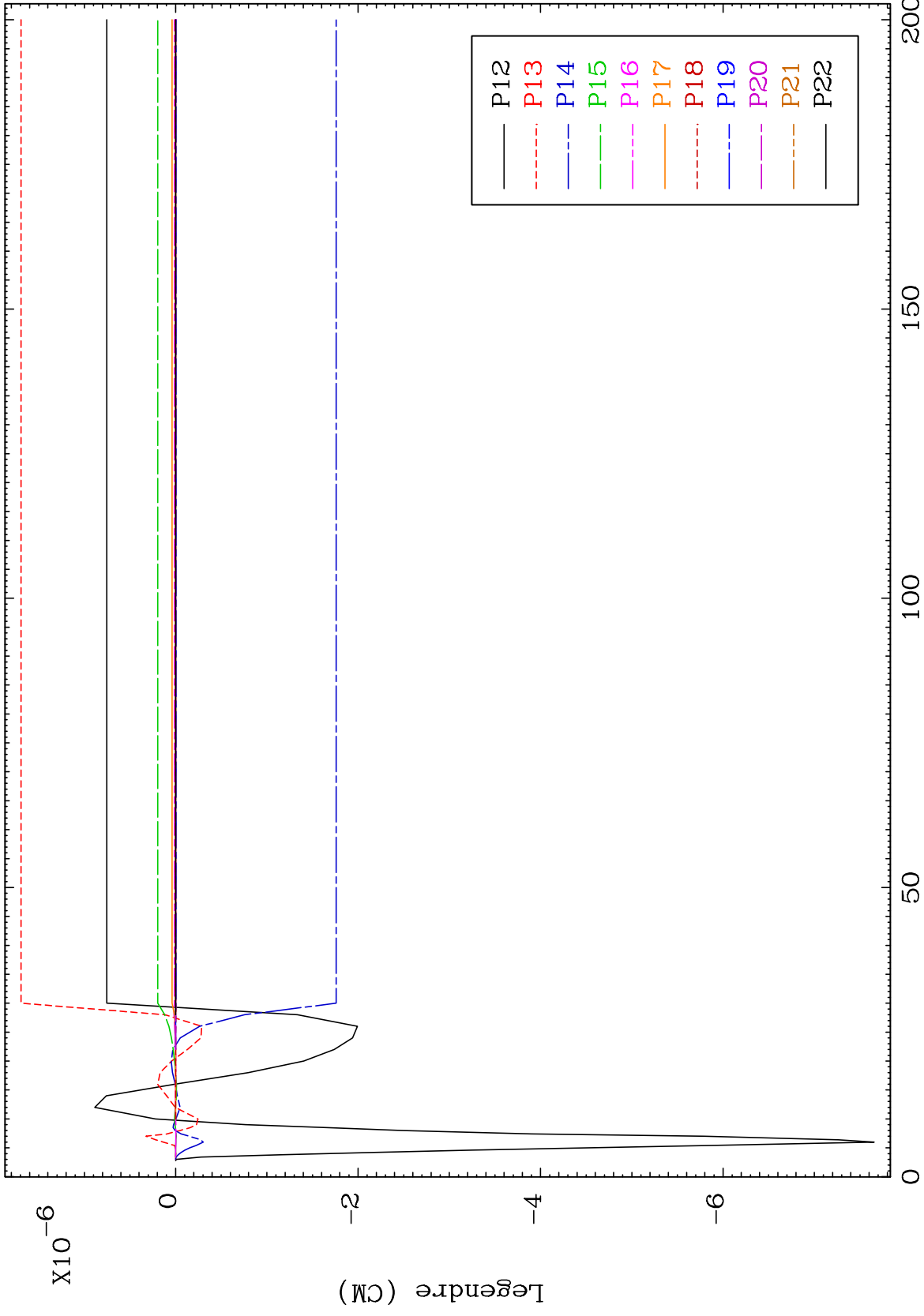
Incident Energy (MeV)

70-Yb-152

MAT 69777

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

70-Yb-152



45

Incident Energy (MeV)

70-Yb-152

200

150

100

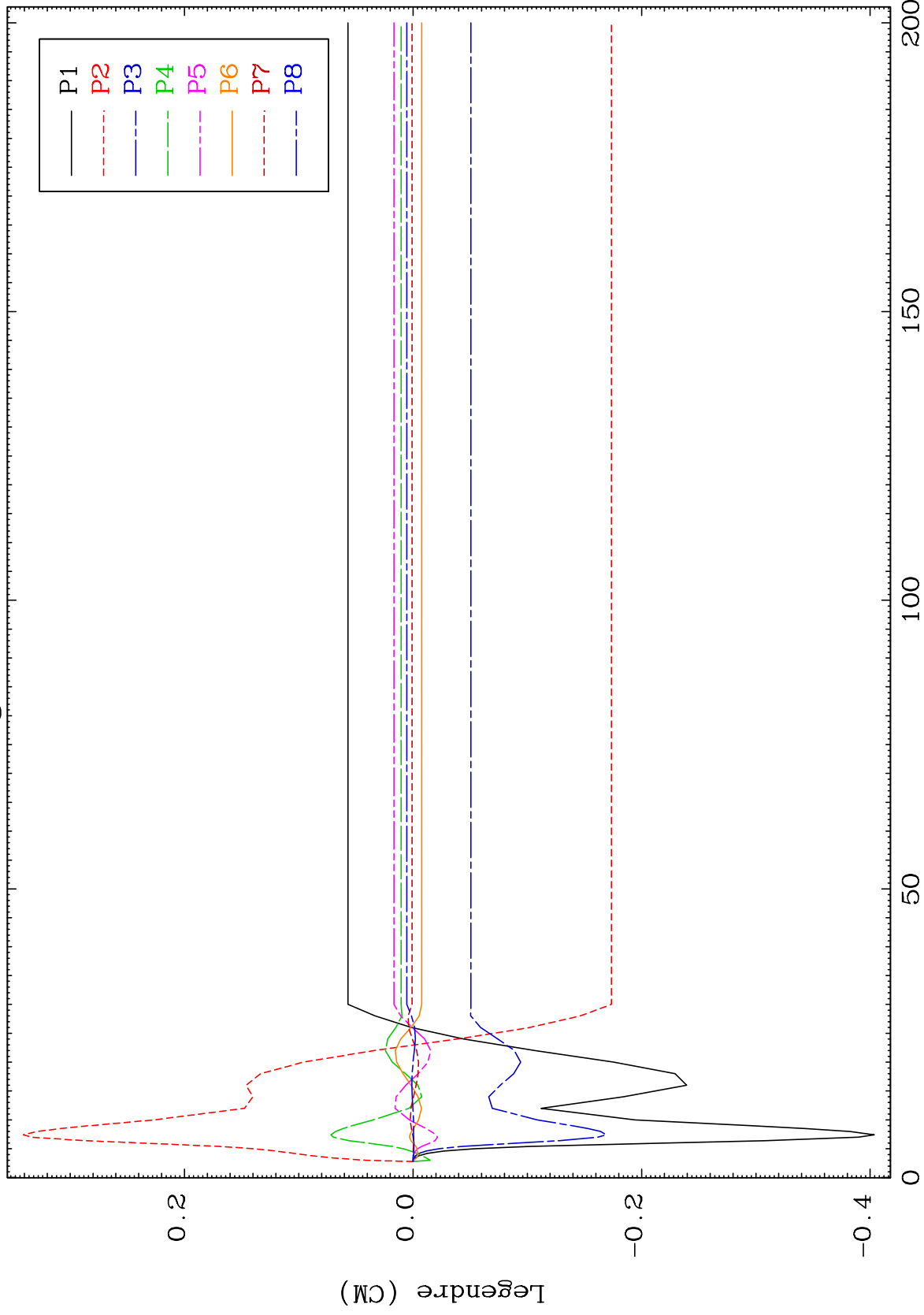
50

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MAT 69777

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

70-Yb-152



46

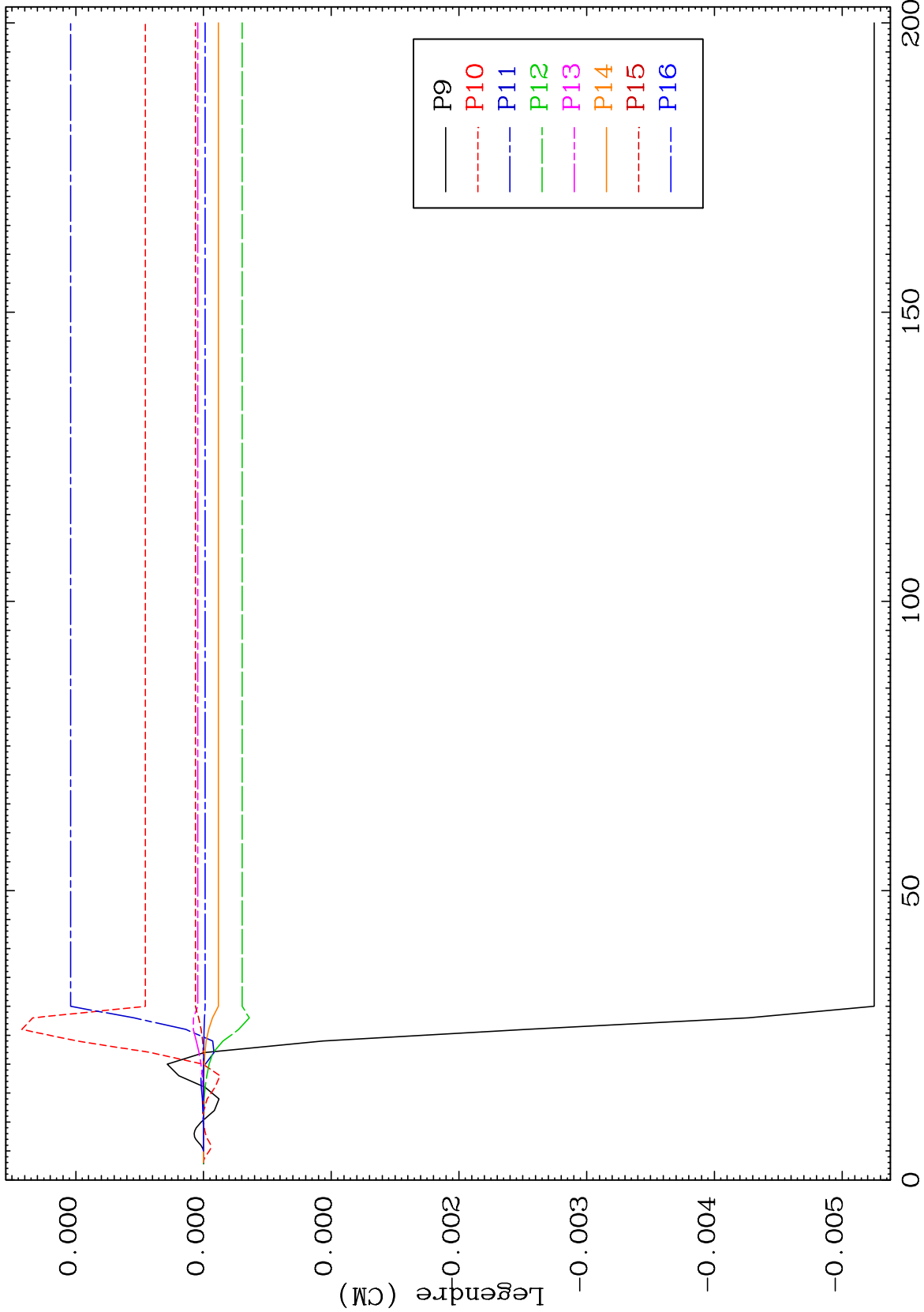
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

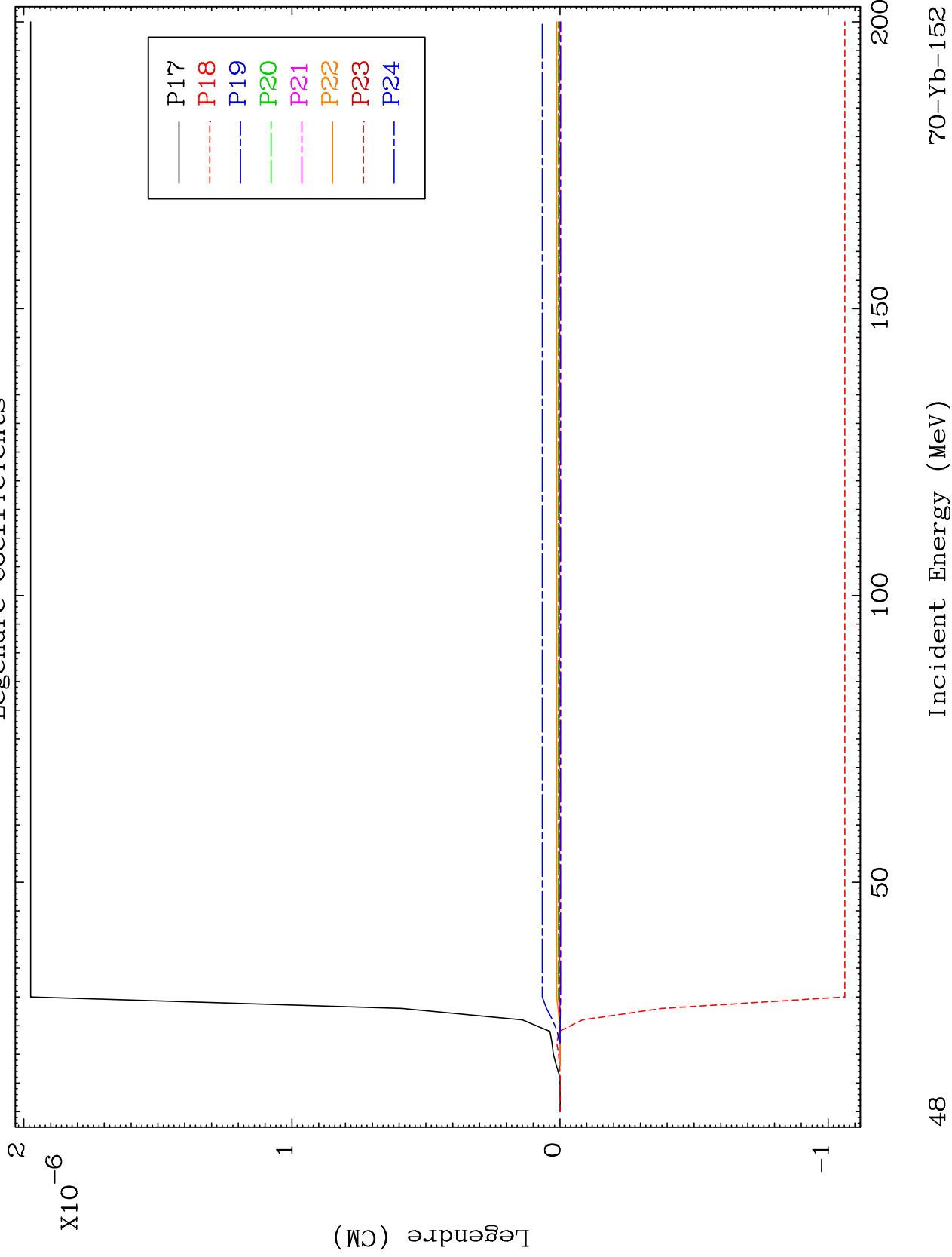
70-Yb-152



MAT 6977

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

70-Yb-152



48

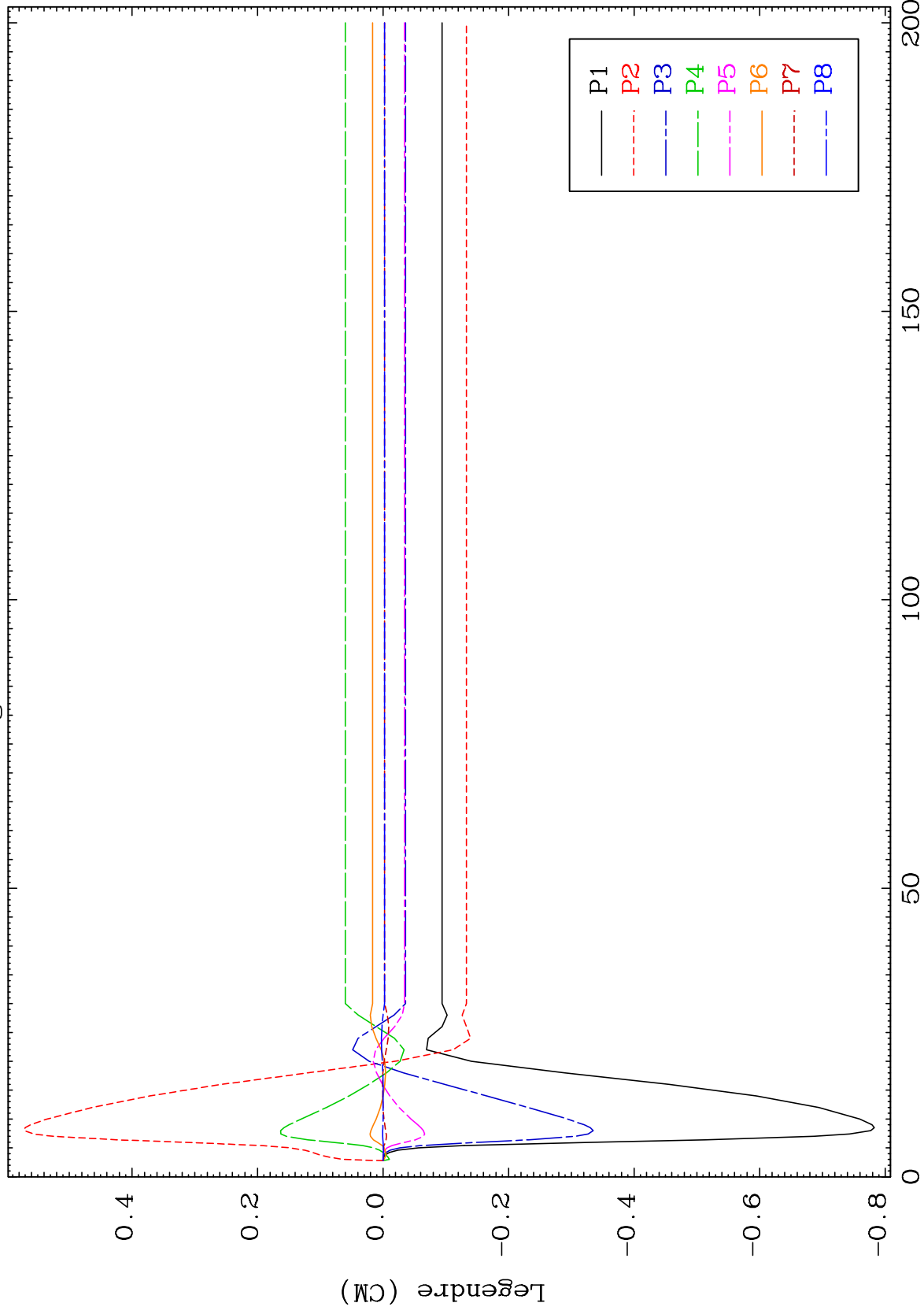
Incident Energy (MeV)

70-Yb-152

MAT 69777

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

70-Yb-152



70-Yb-152

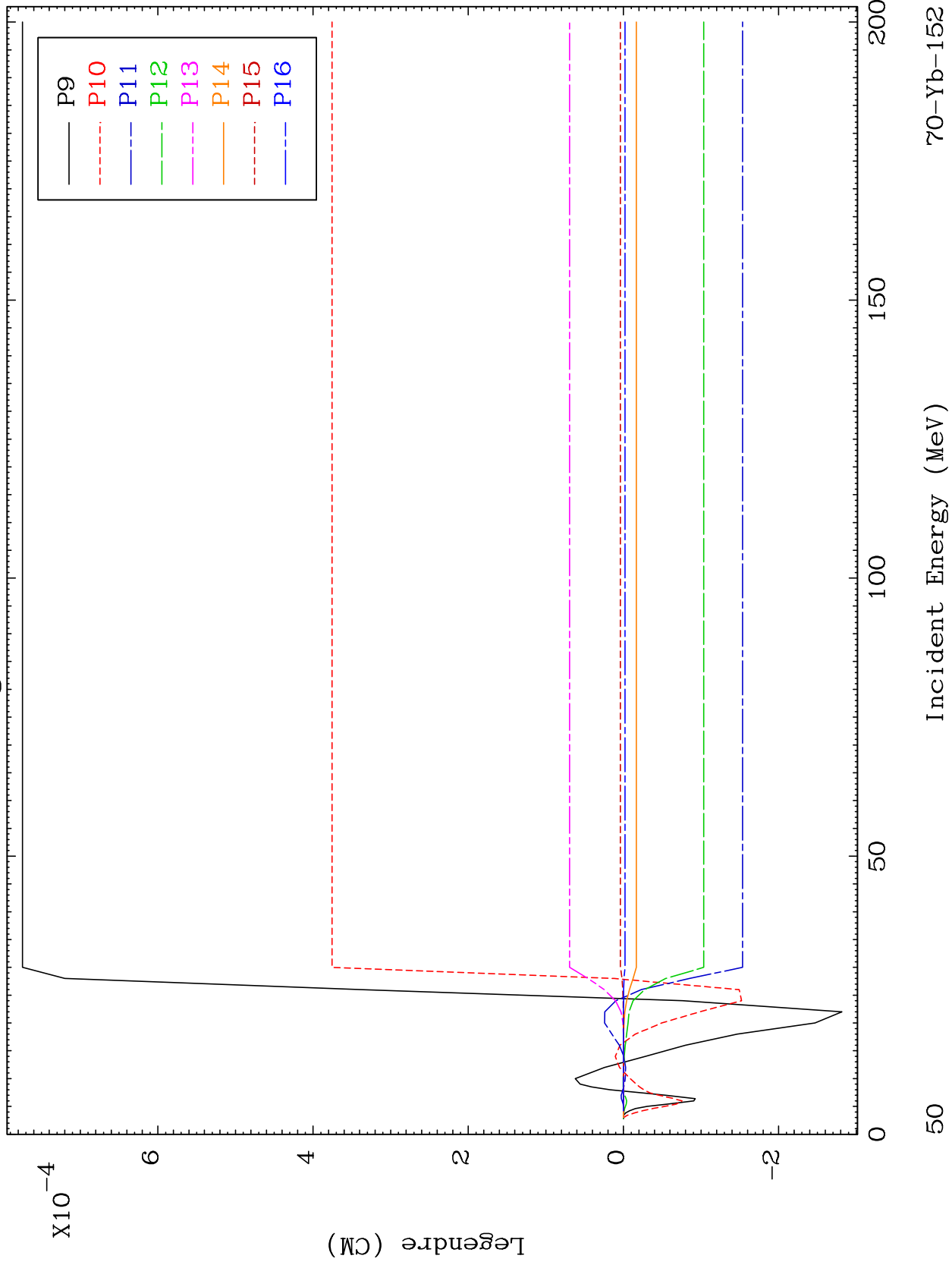
Incident Energy (MeV)

49

MAT 6977

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

70-Yb-152



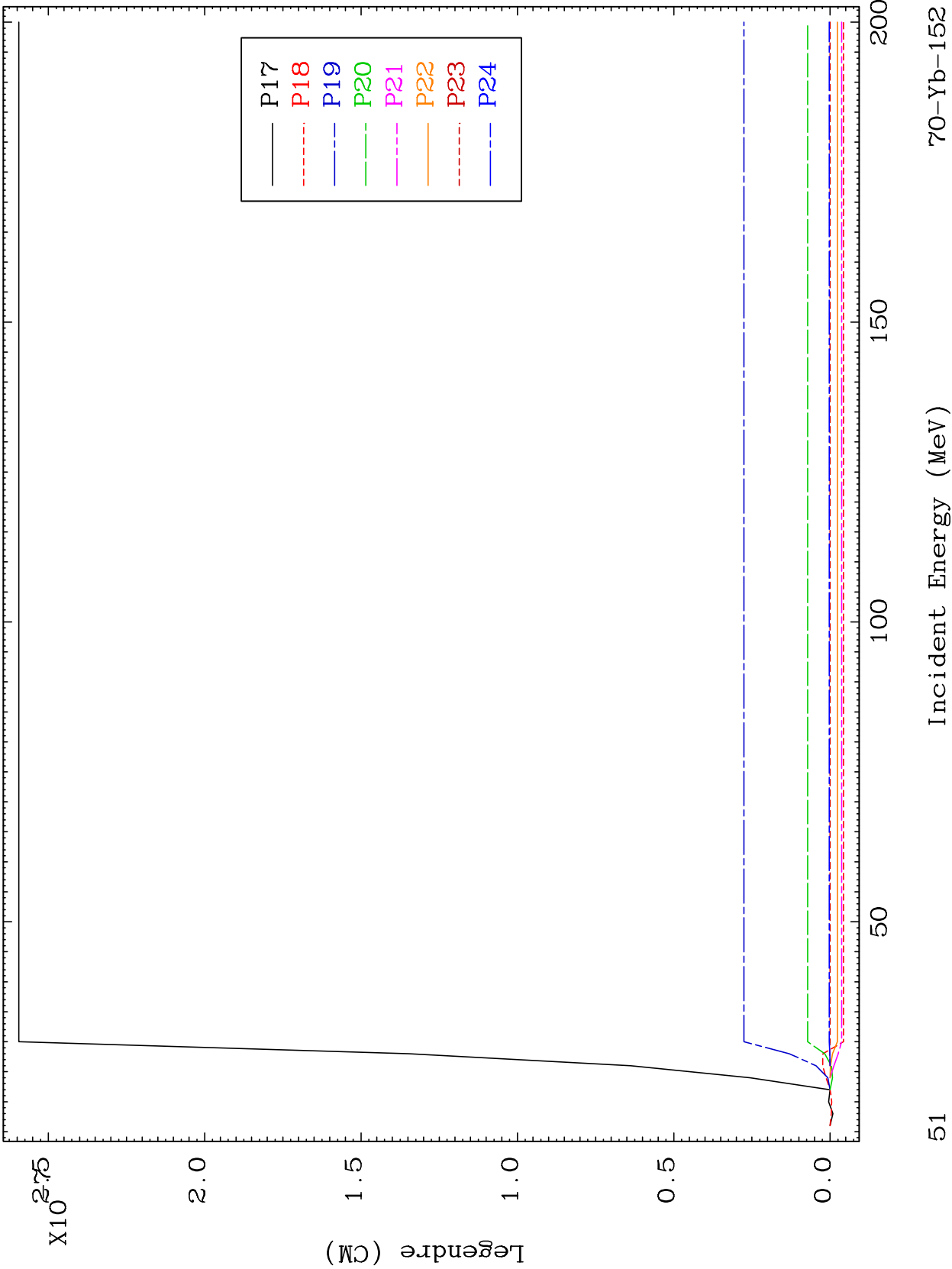
70-Yb-152

Incident Energy (MeV)

MAT 6977

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

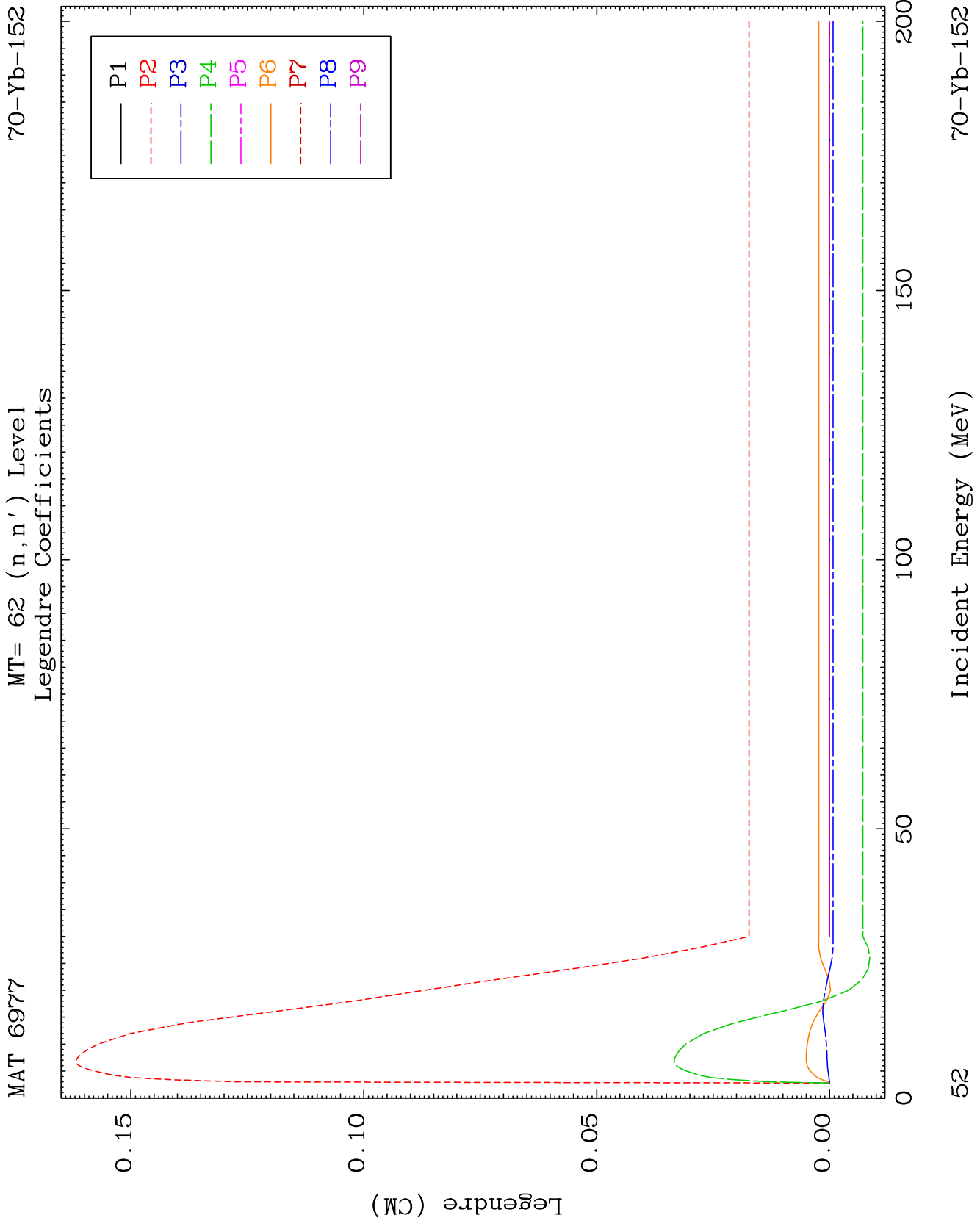
70-Yb-152



51

Incident Energy (MeV)

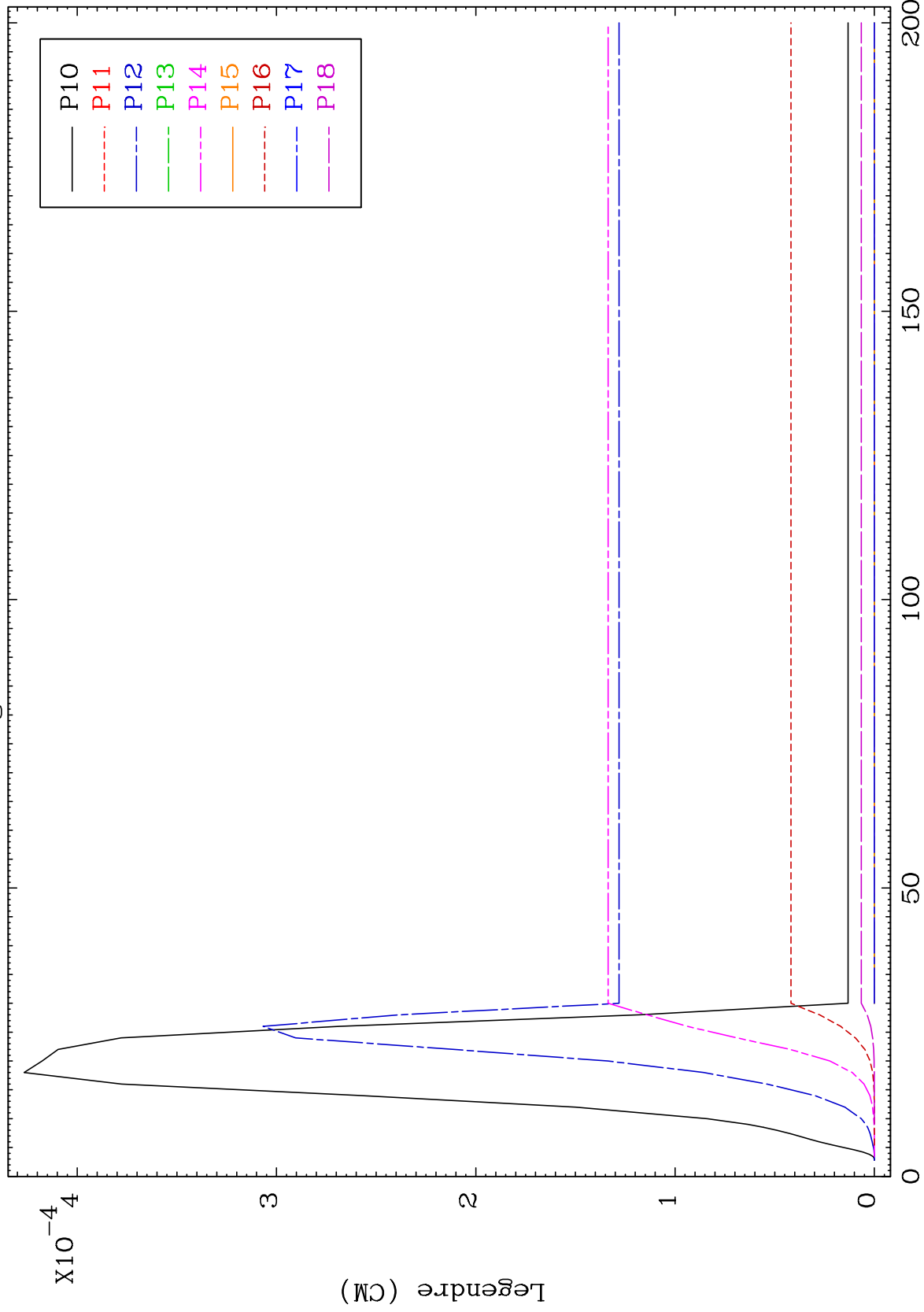
70-Yb-152



MAT 6977

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

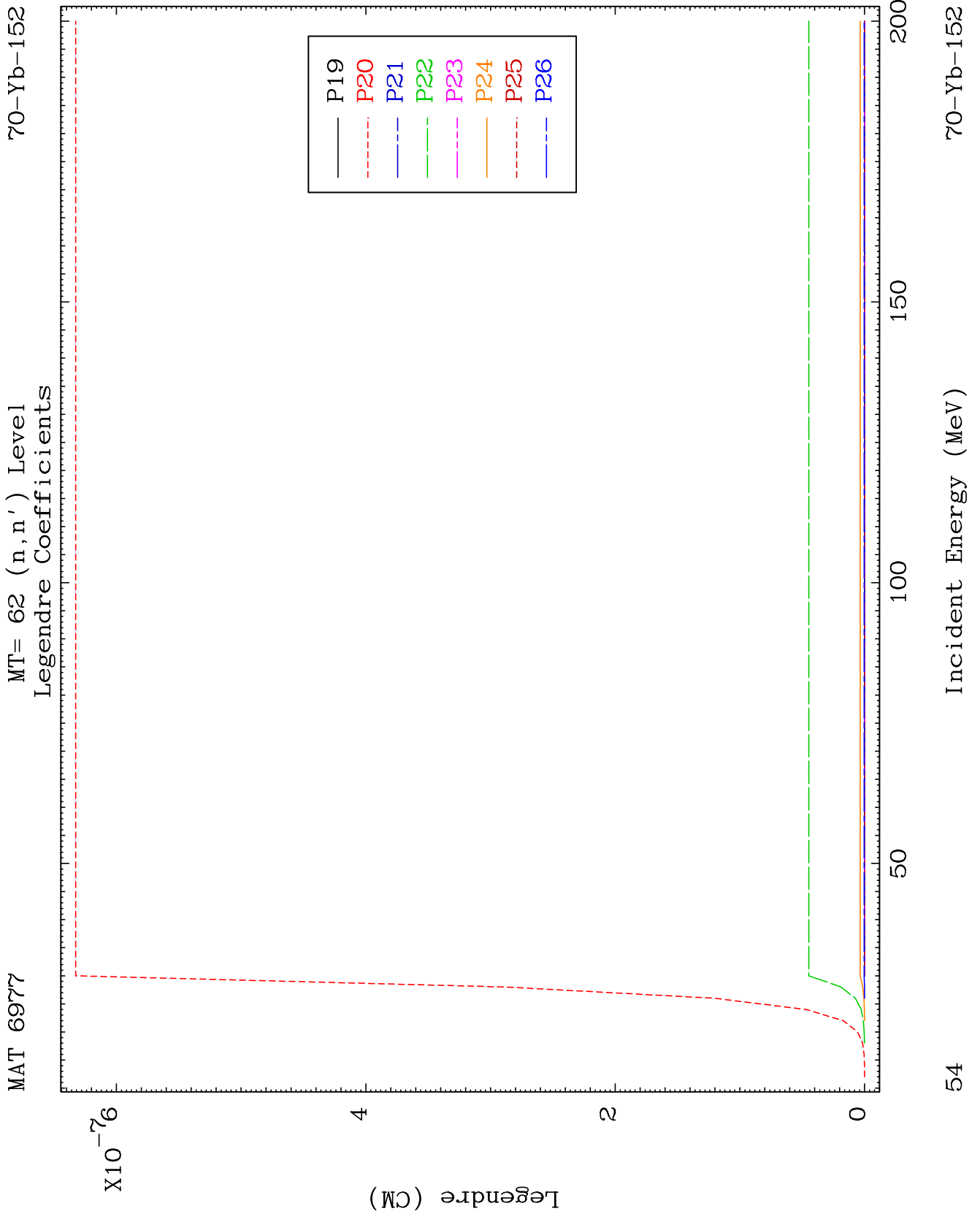
70-Yb-152



53

Incident Energy (MeV)

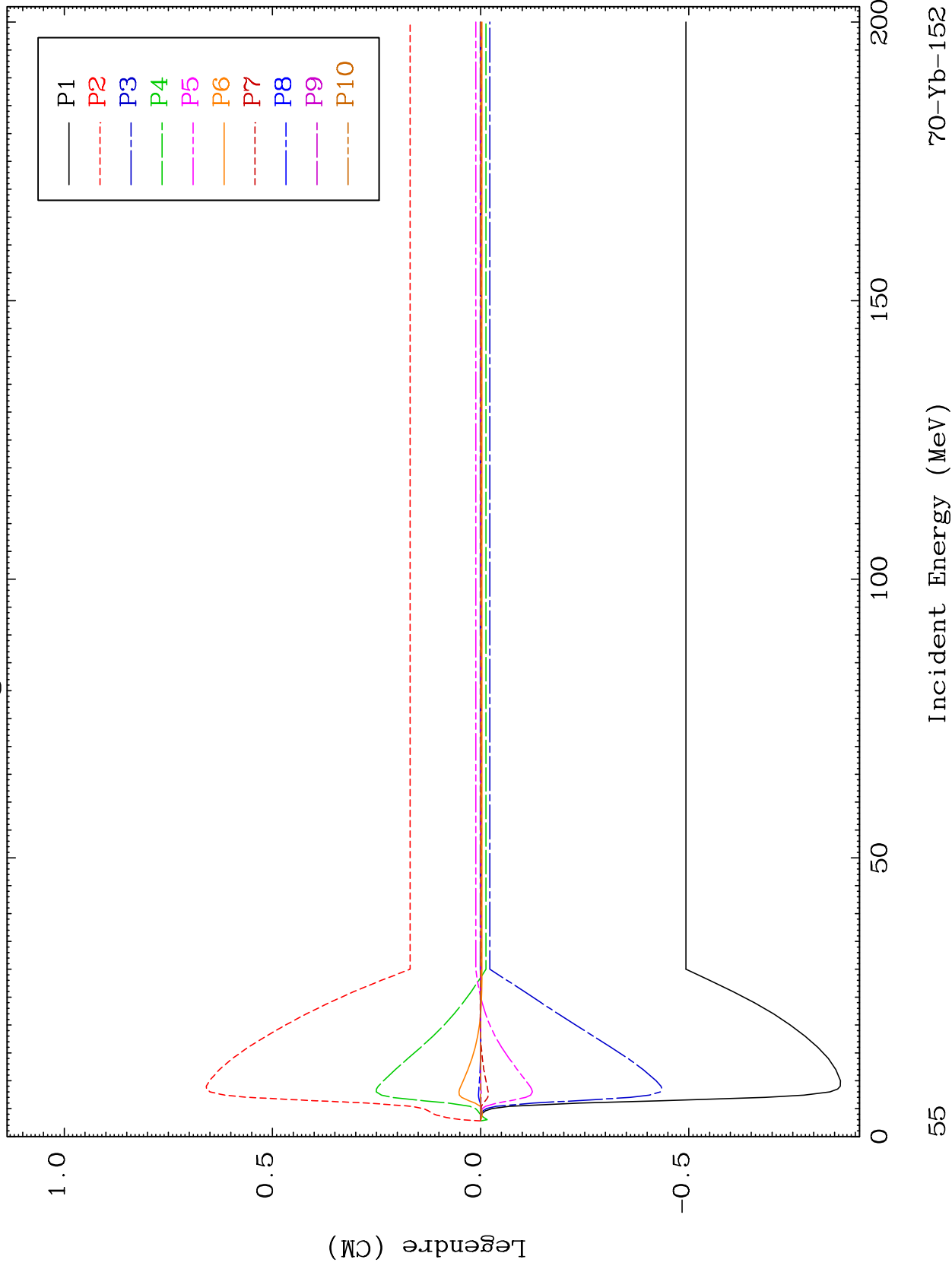
70-Yb-152



MAT 6977

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

70-Yb-152



55

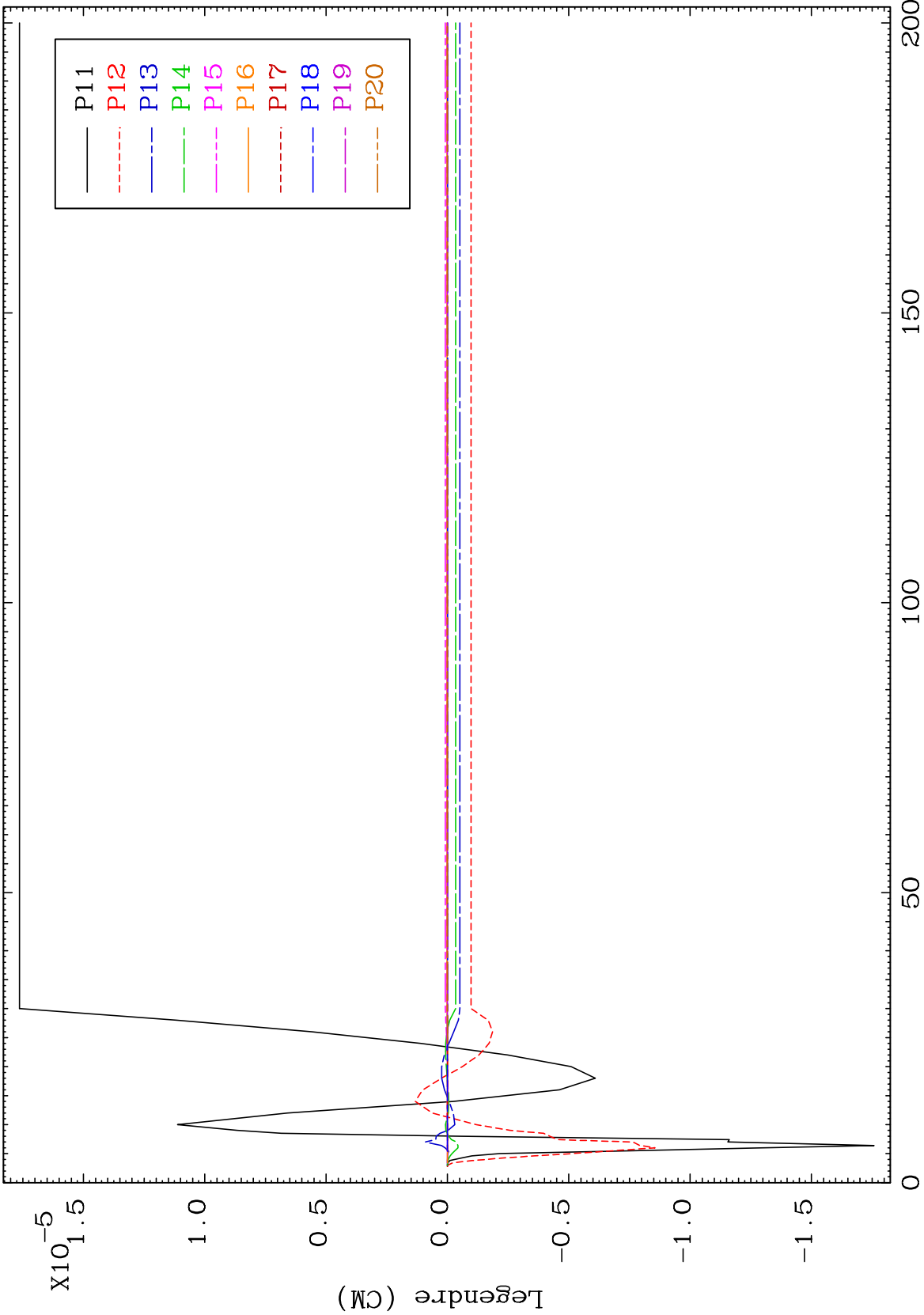
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



56

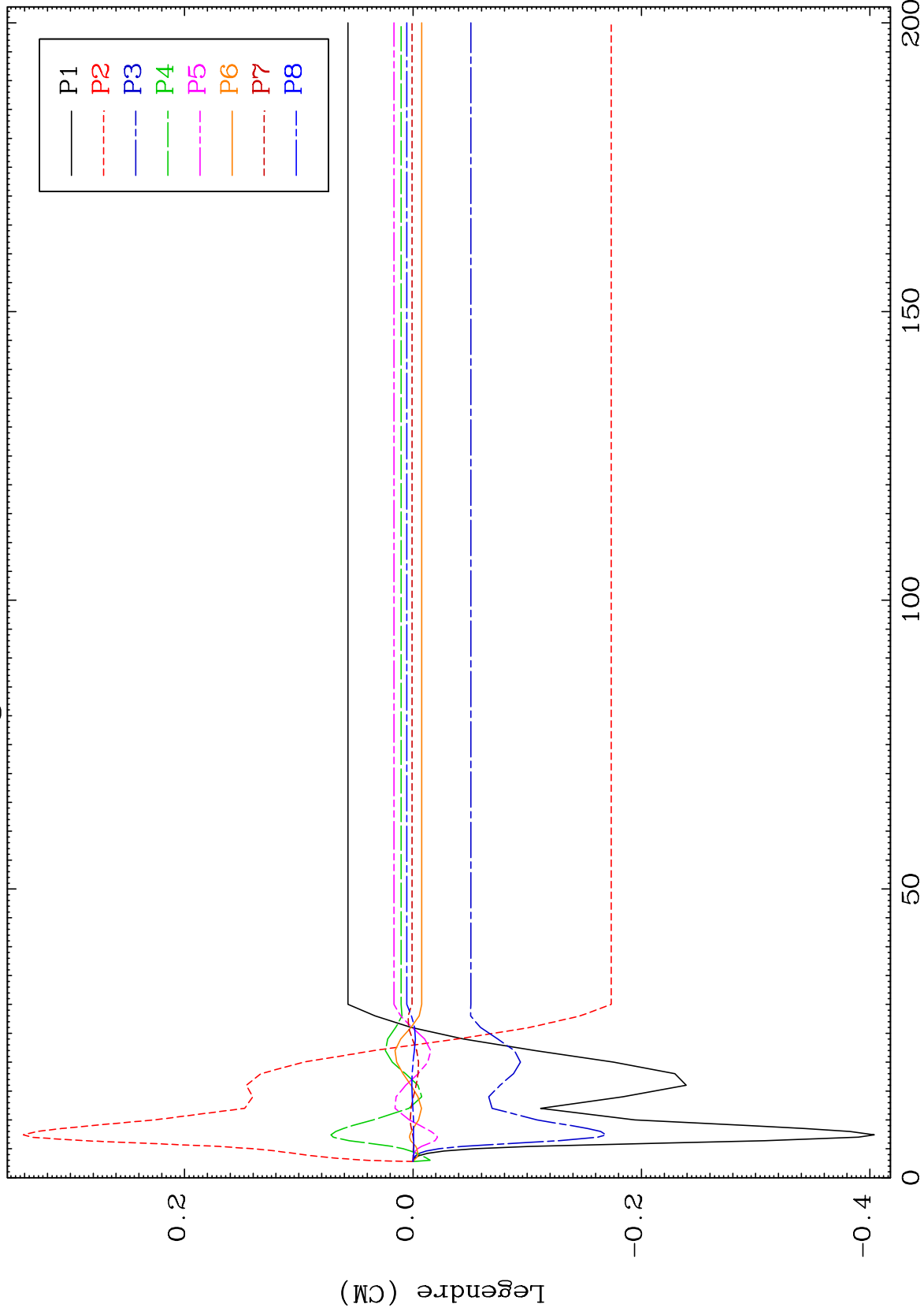
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



57

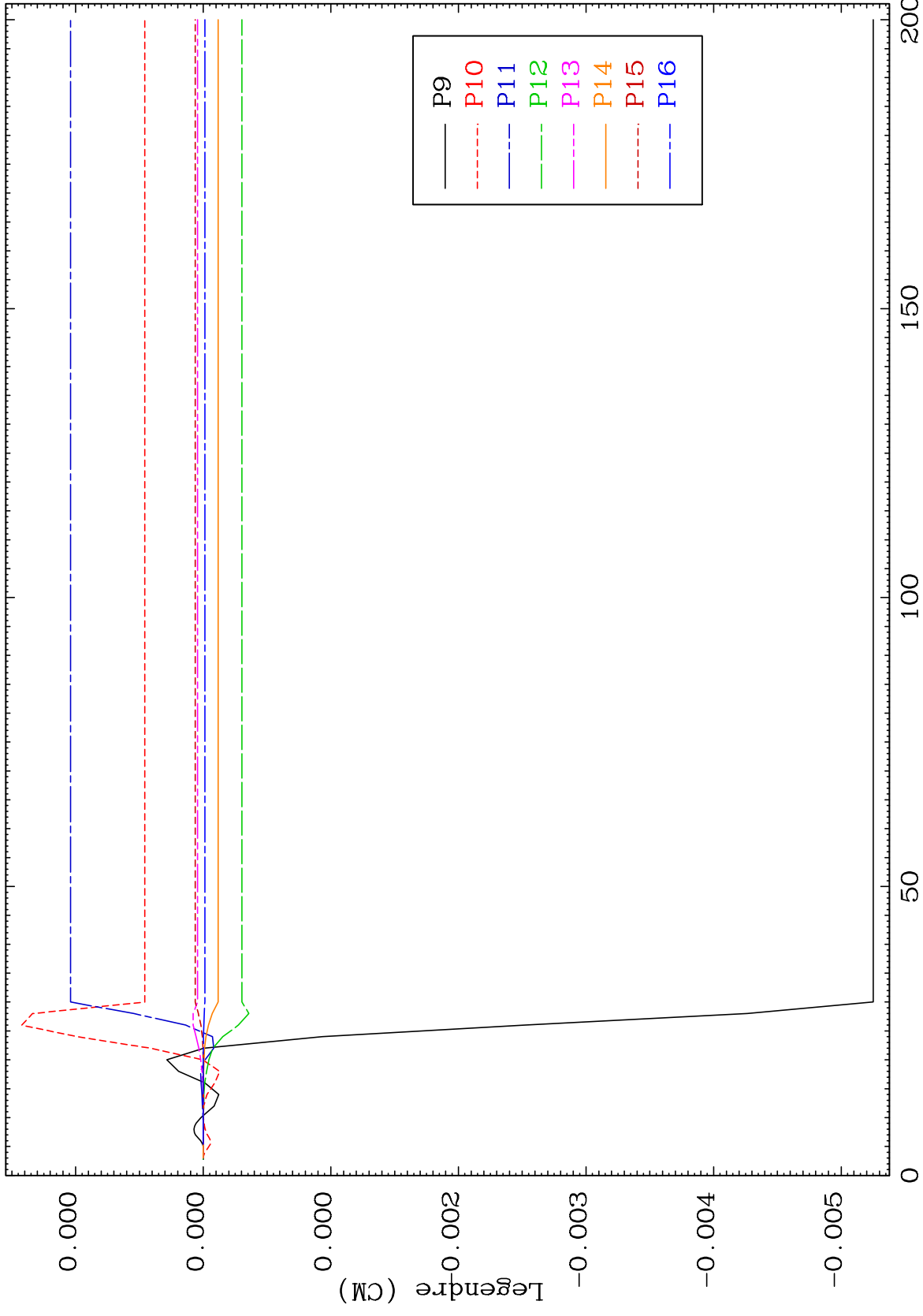
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

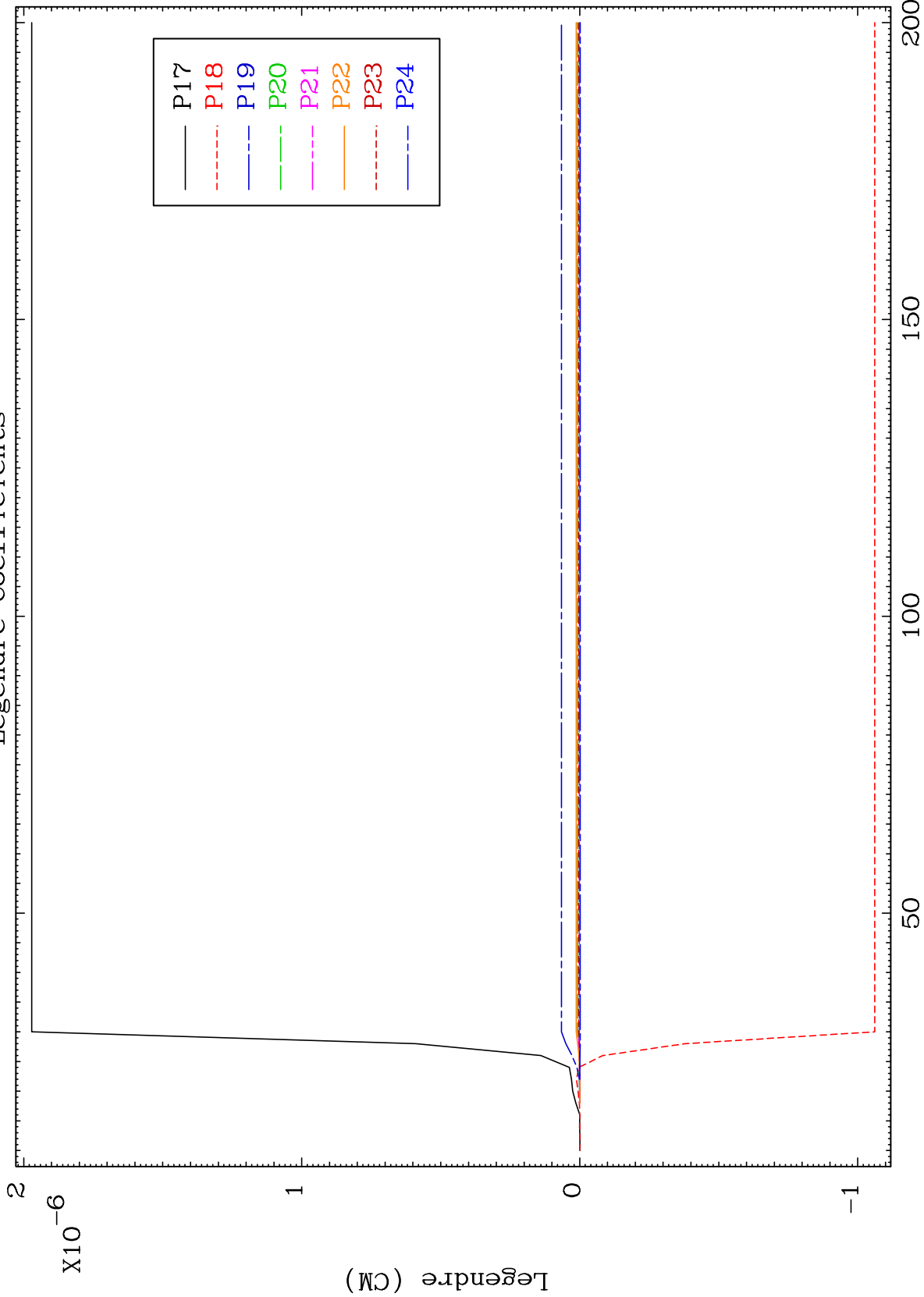
70-Yb-152



MAT 69777

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

70-Yb-152



59

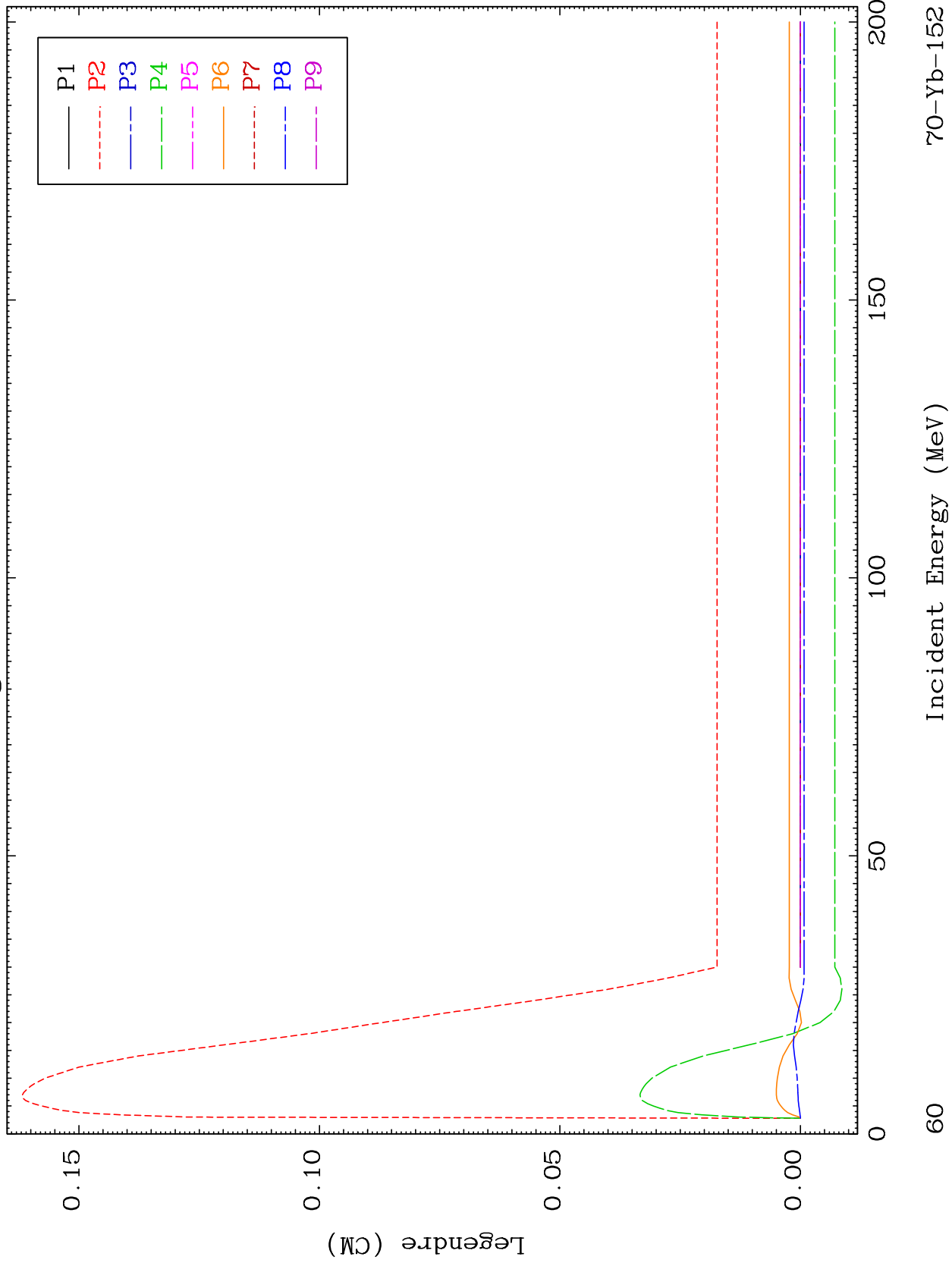
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

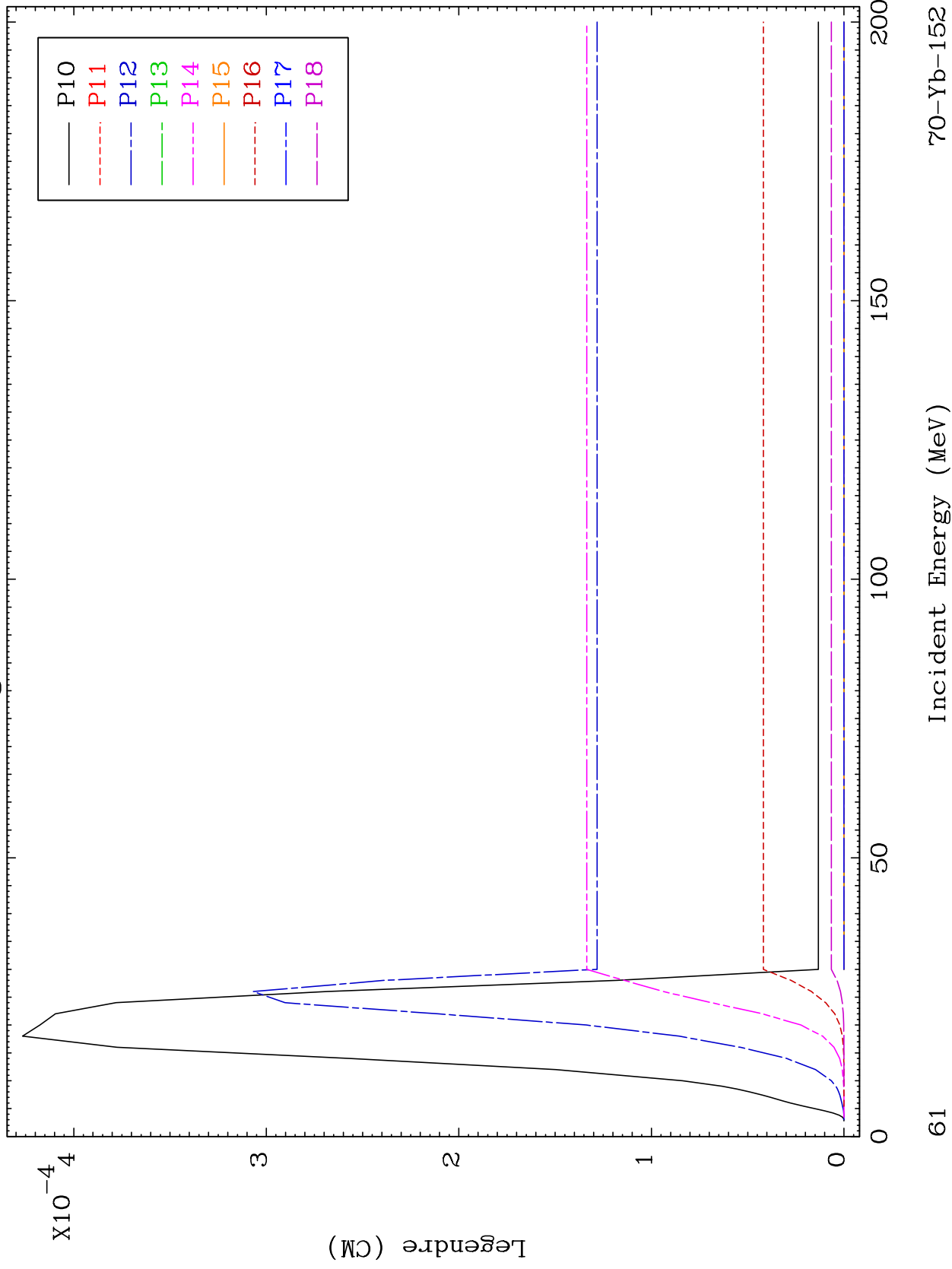
70-Yb-152

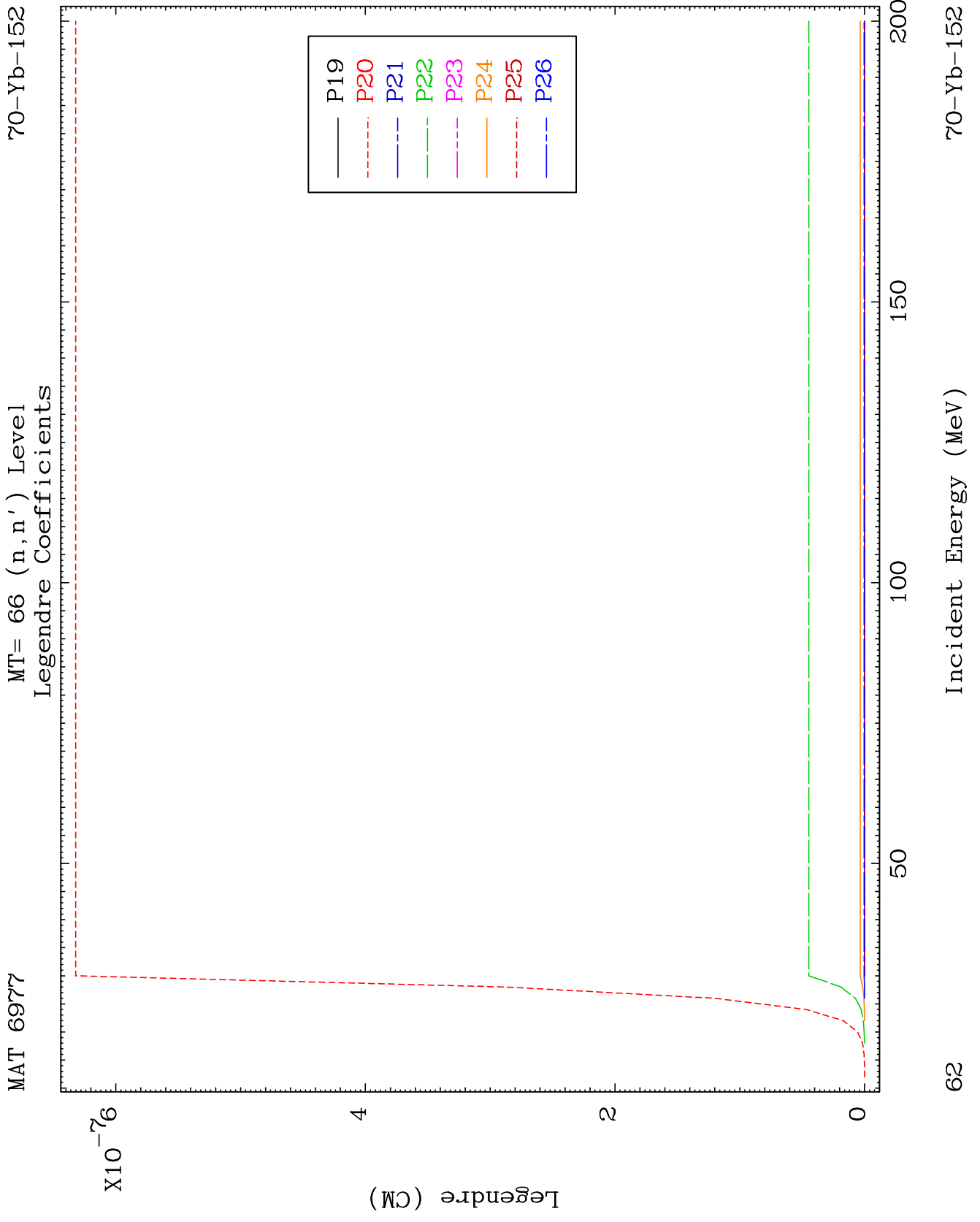


MAT 6977

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

70-Yb-152

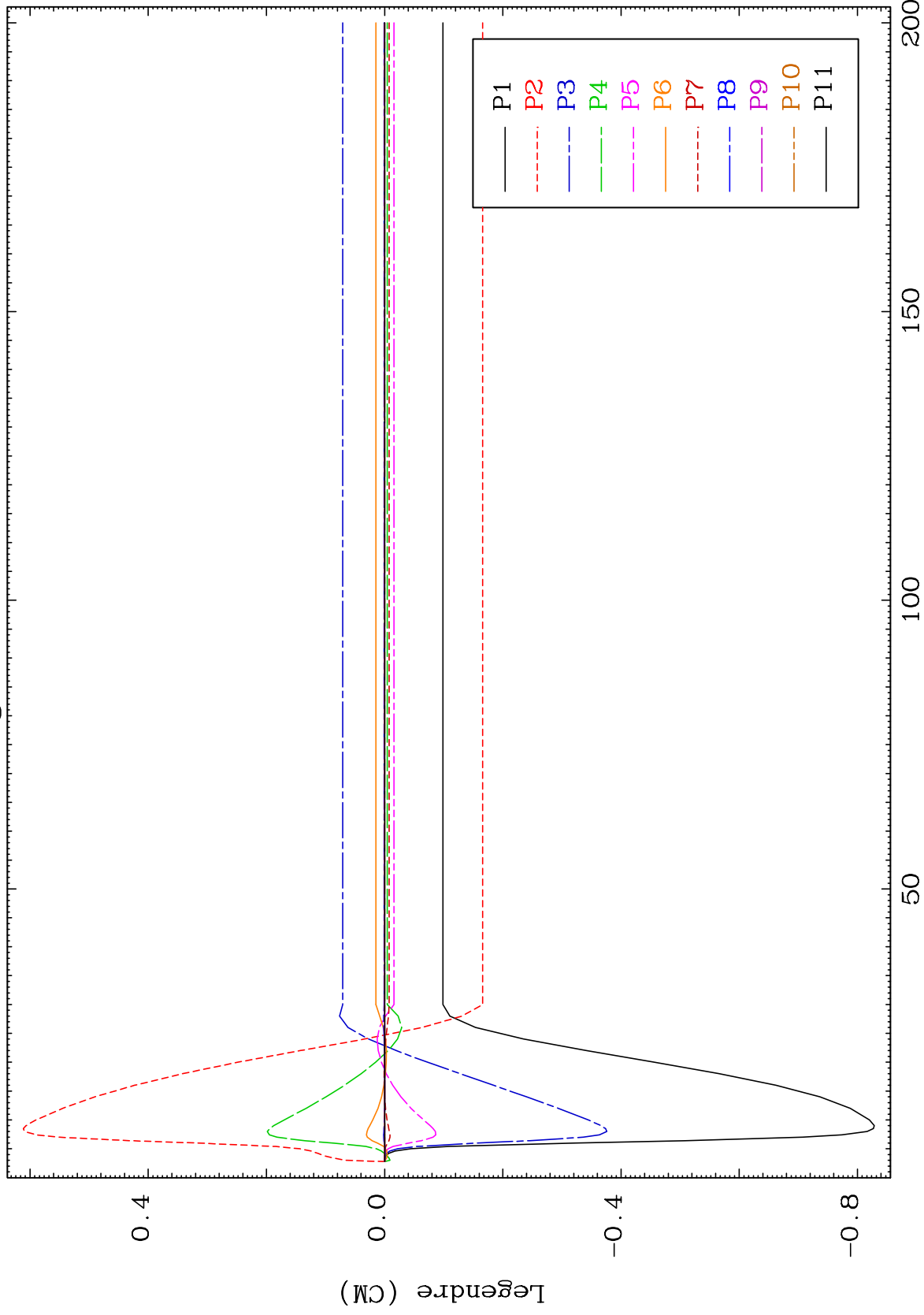




MAT 6977

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

70-Yb-152



63

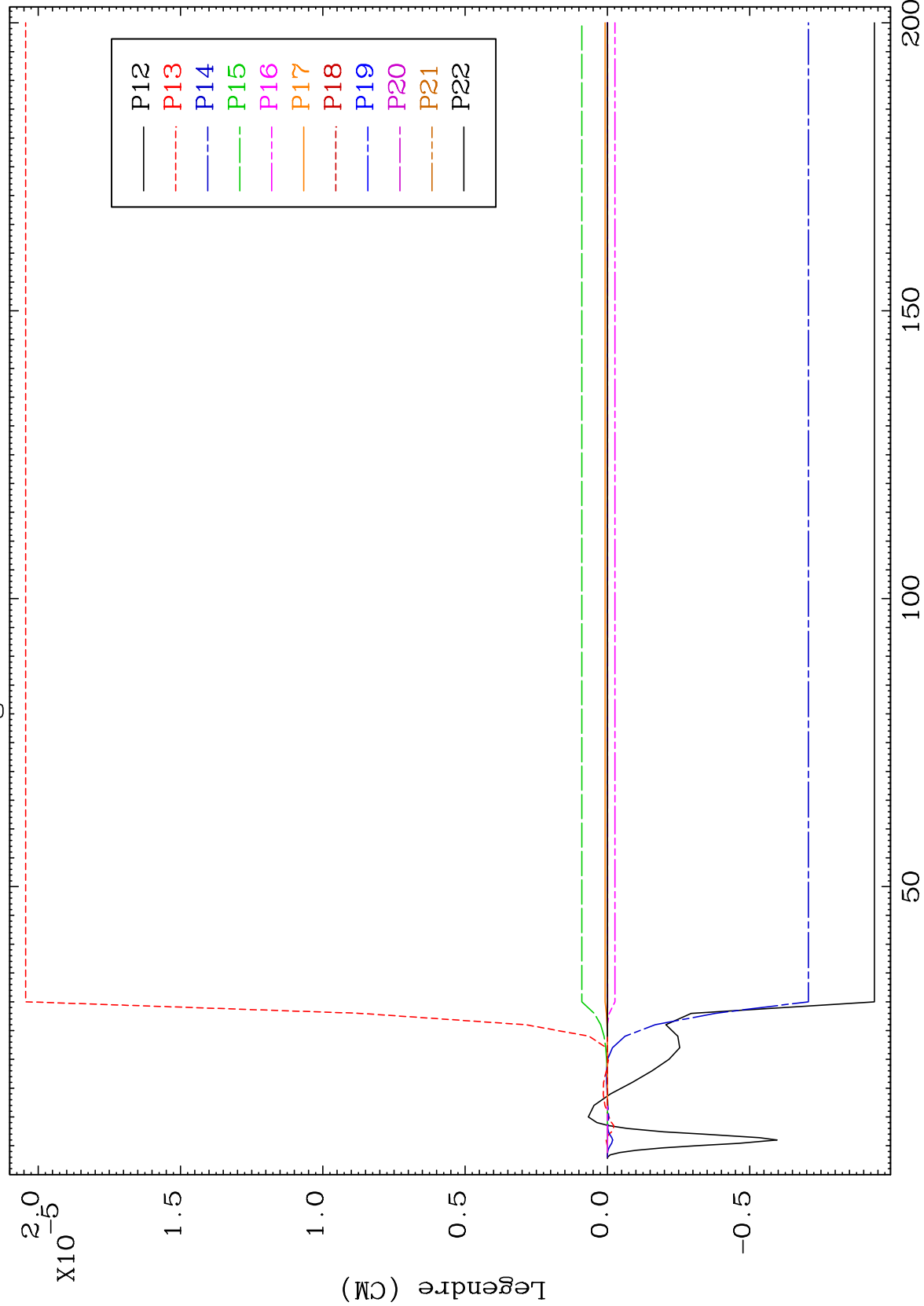
Incident Energy (MeV)

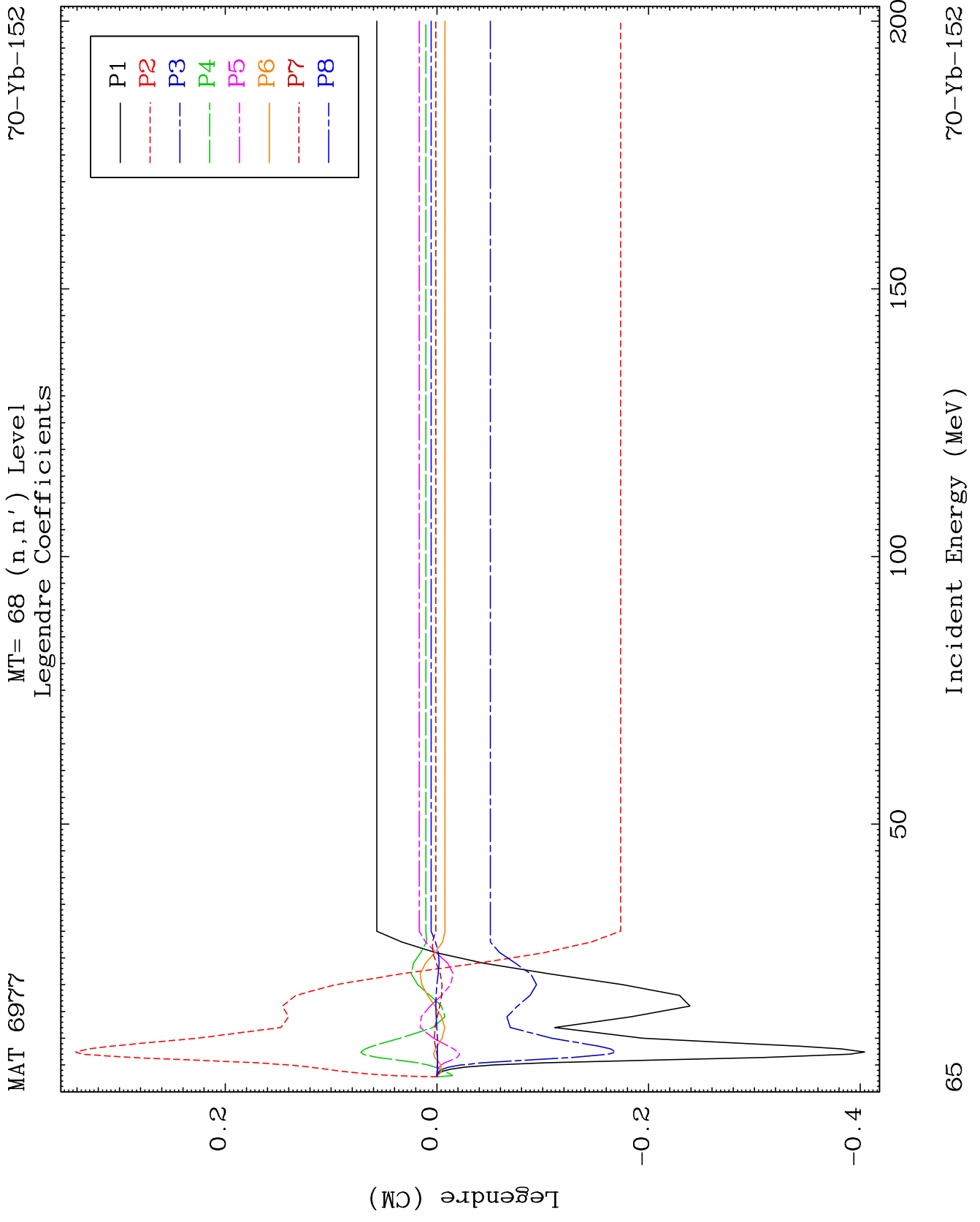
70-Yb-152

MAT 6977

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

70-Yb-152

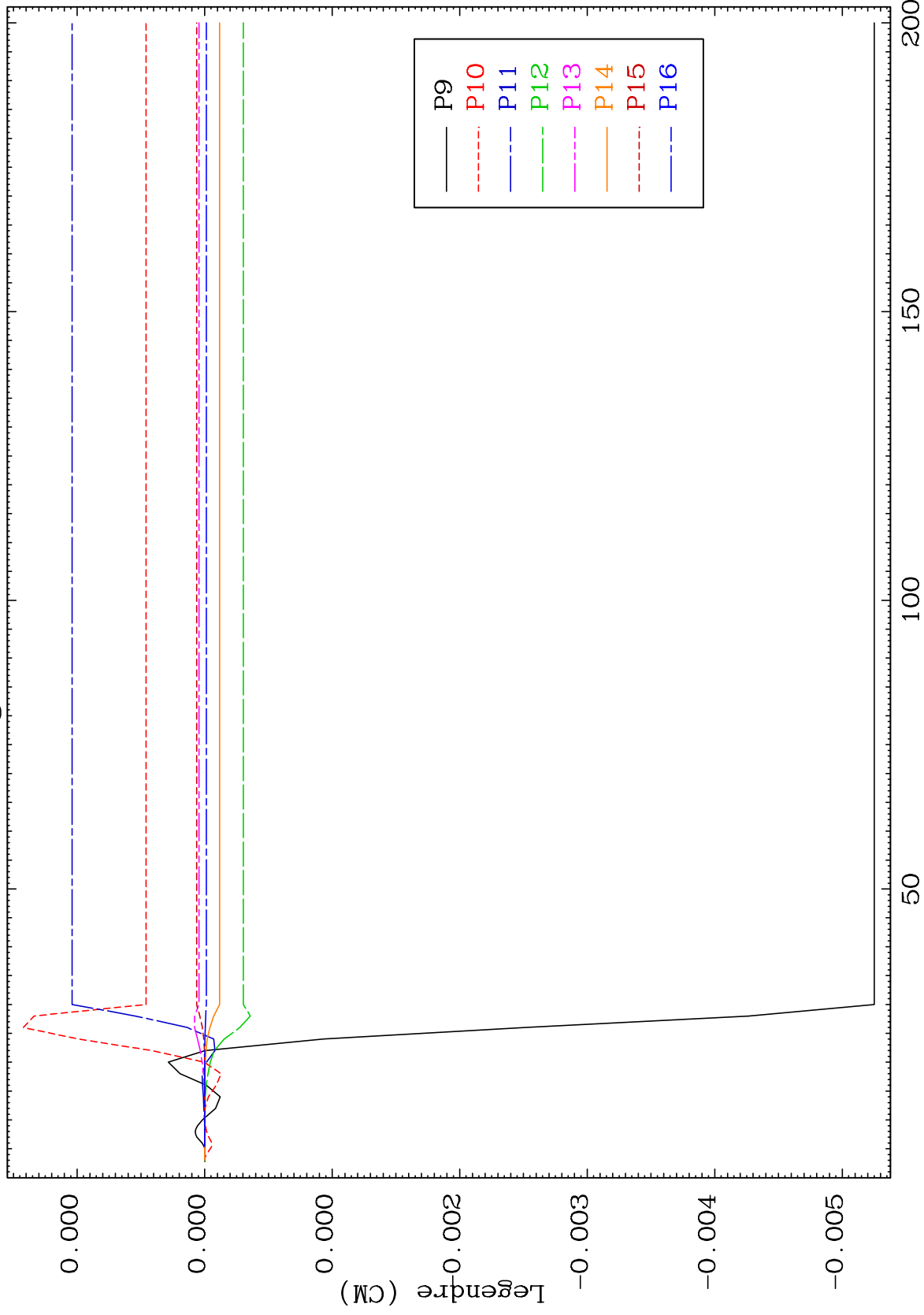




MAT 6977

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

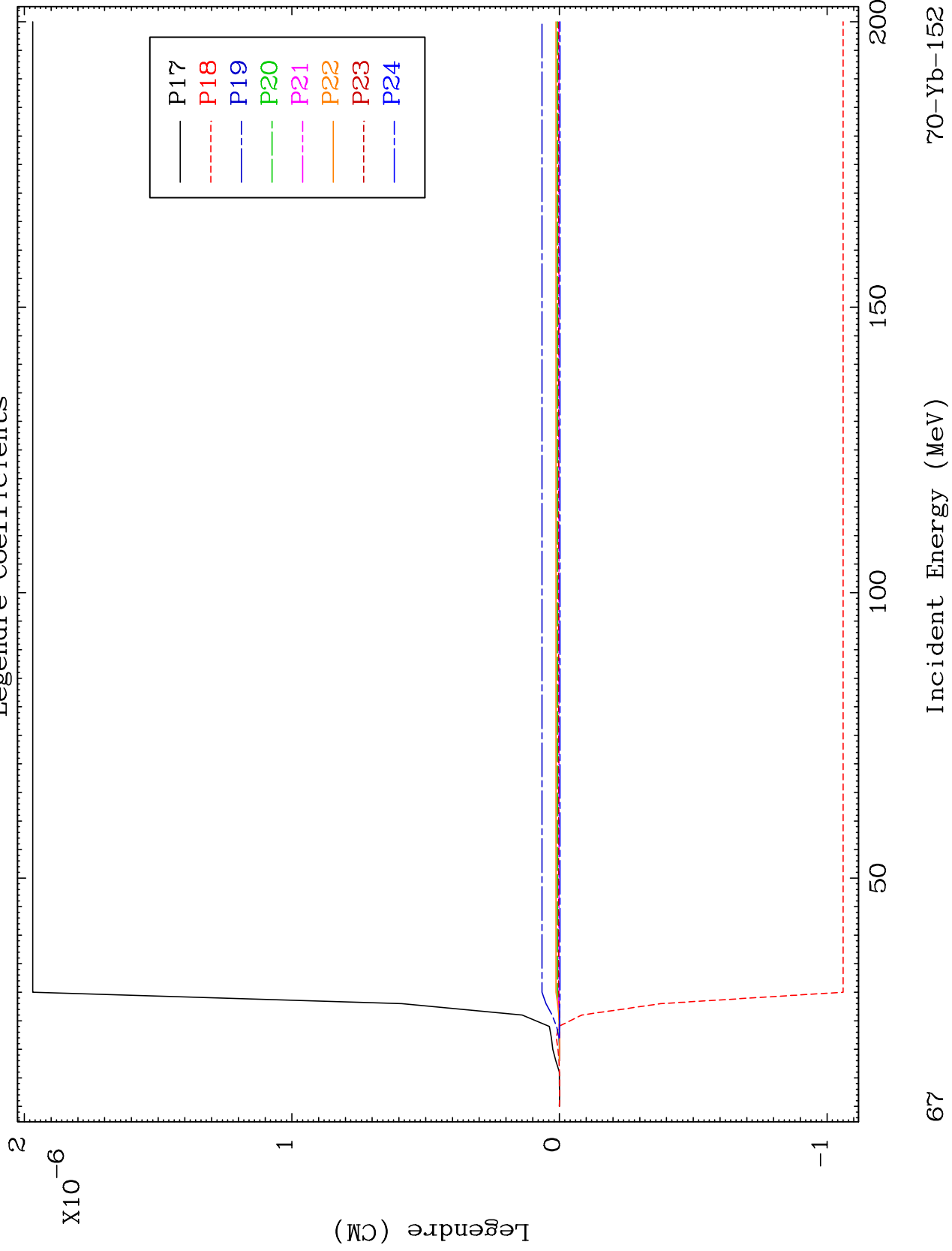
70-Yb-152



MAT 6977

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

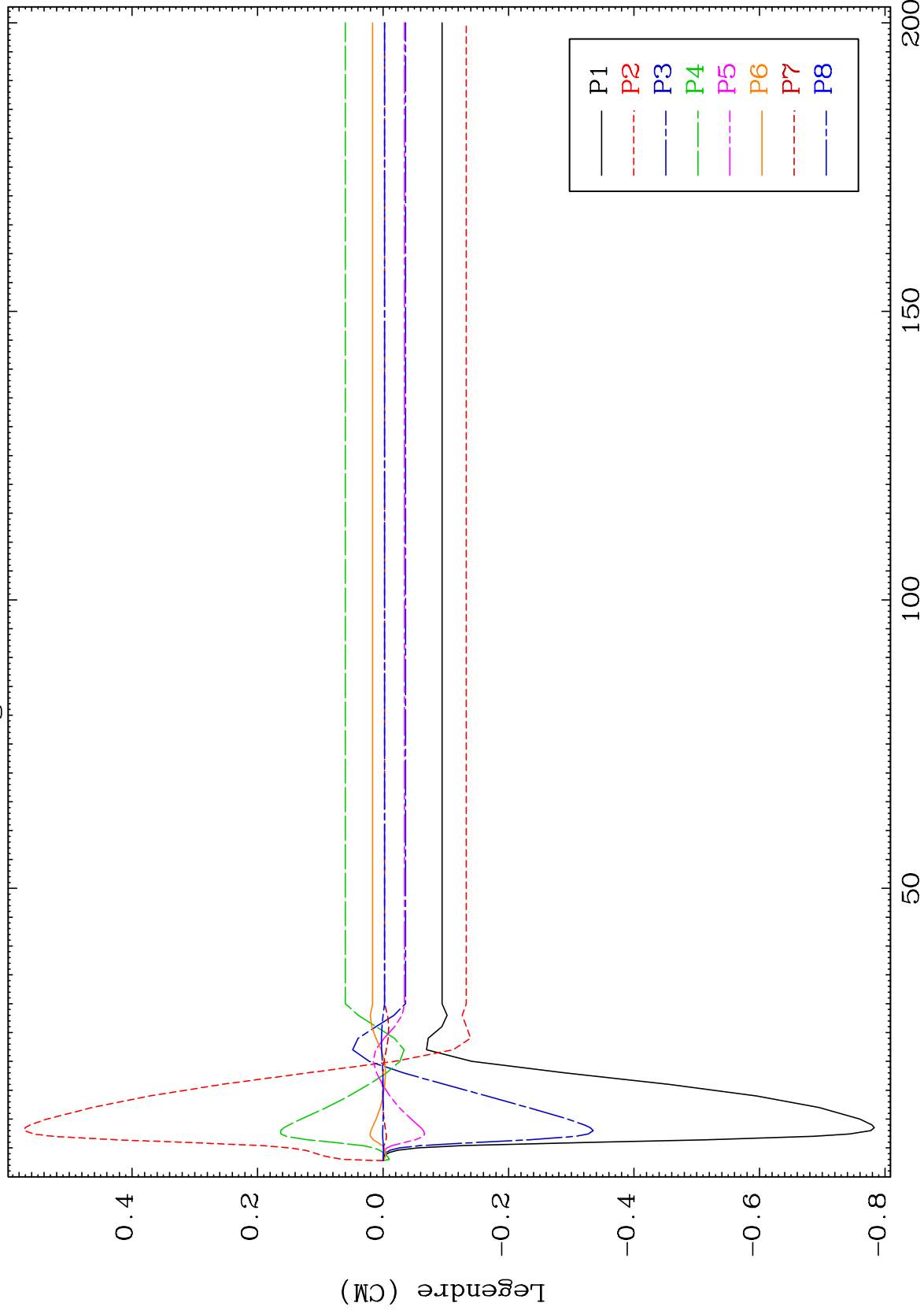
70-Yb-152



MAT 69777

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

70-Yb-152



68

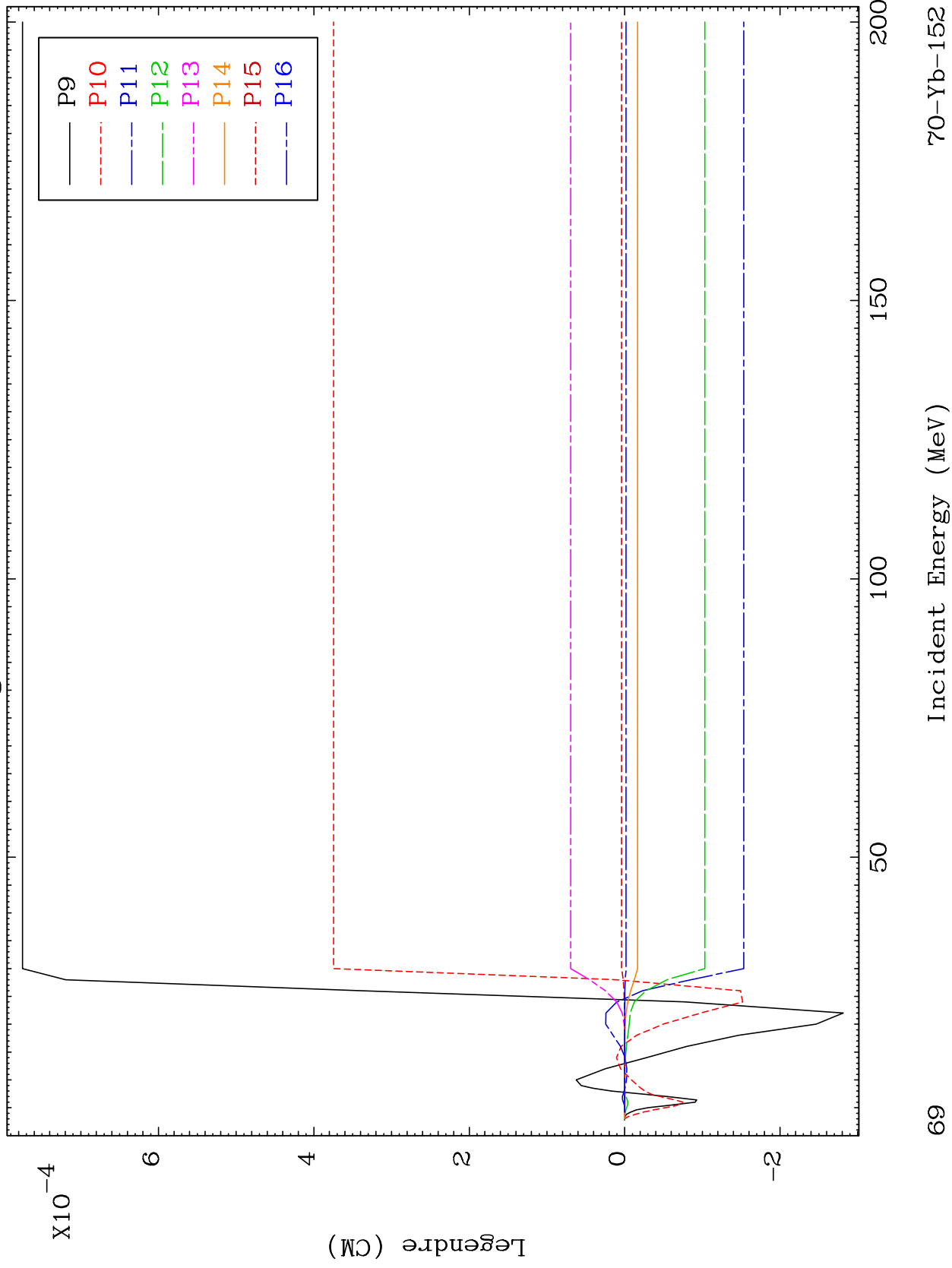
Incident Energy (MeV)

70-Yb-152

MAT 6977

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

70-Yb-152



69

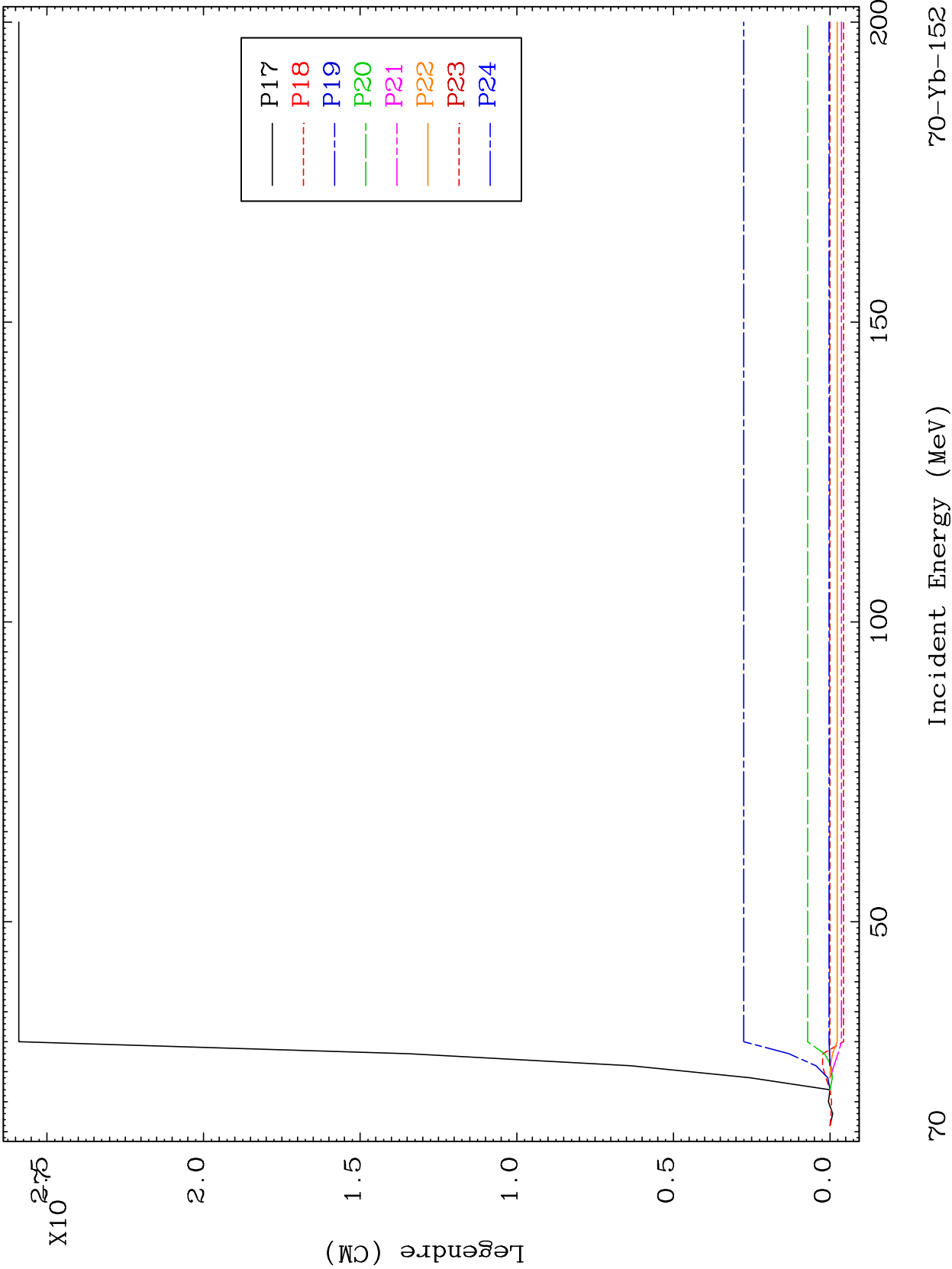
Incident Energy (MeV)

70-Yb-152

MAT 69777

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

70-Yb-152



70-Yb-152

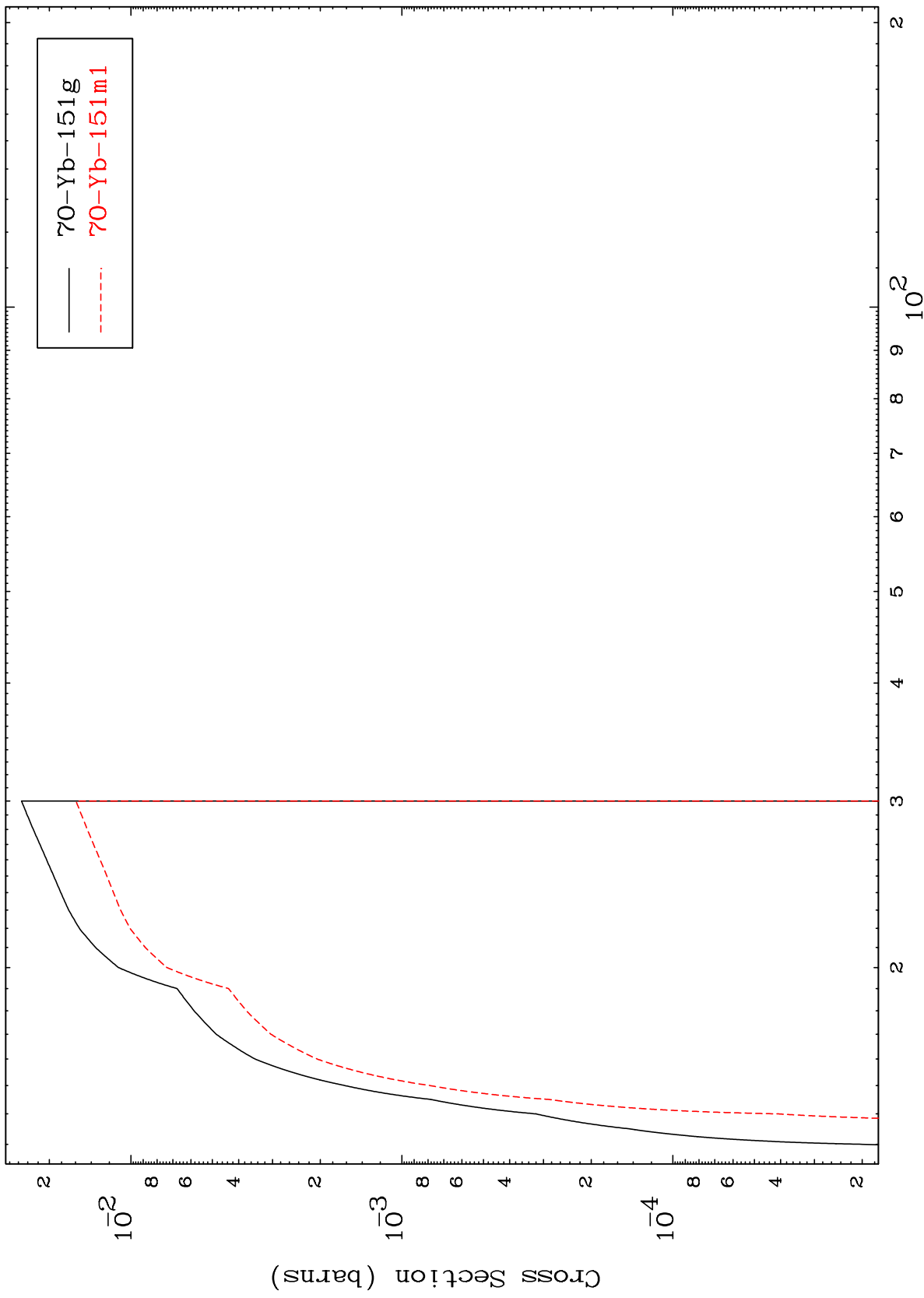
Incident Energy (MeV)

70

MAT 69777

70-Yb-152

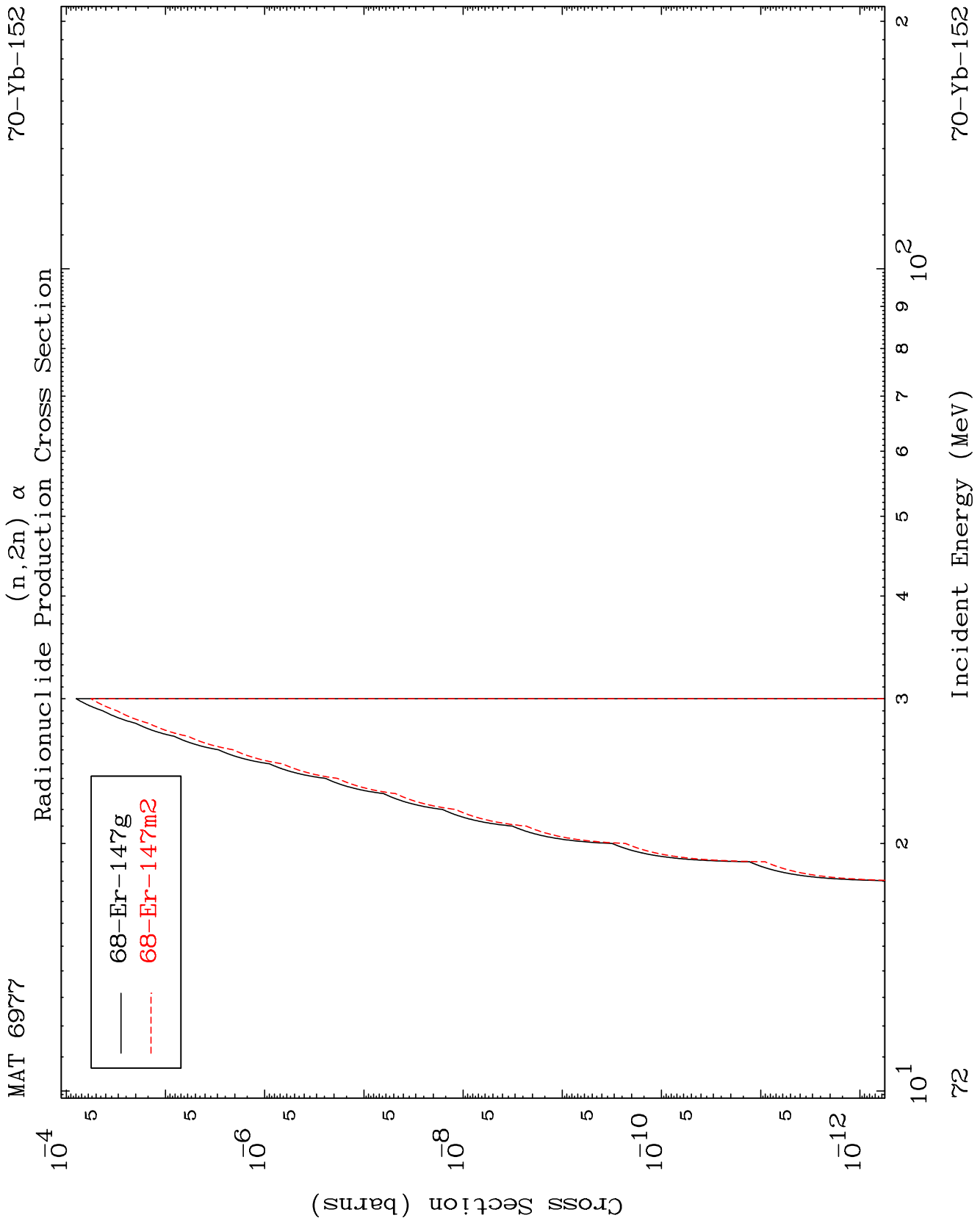
(n,2n)
Radionuclide Production Cross Section



71

Incident Energy (MeV)

70-Yb-152

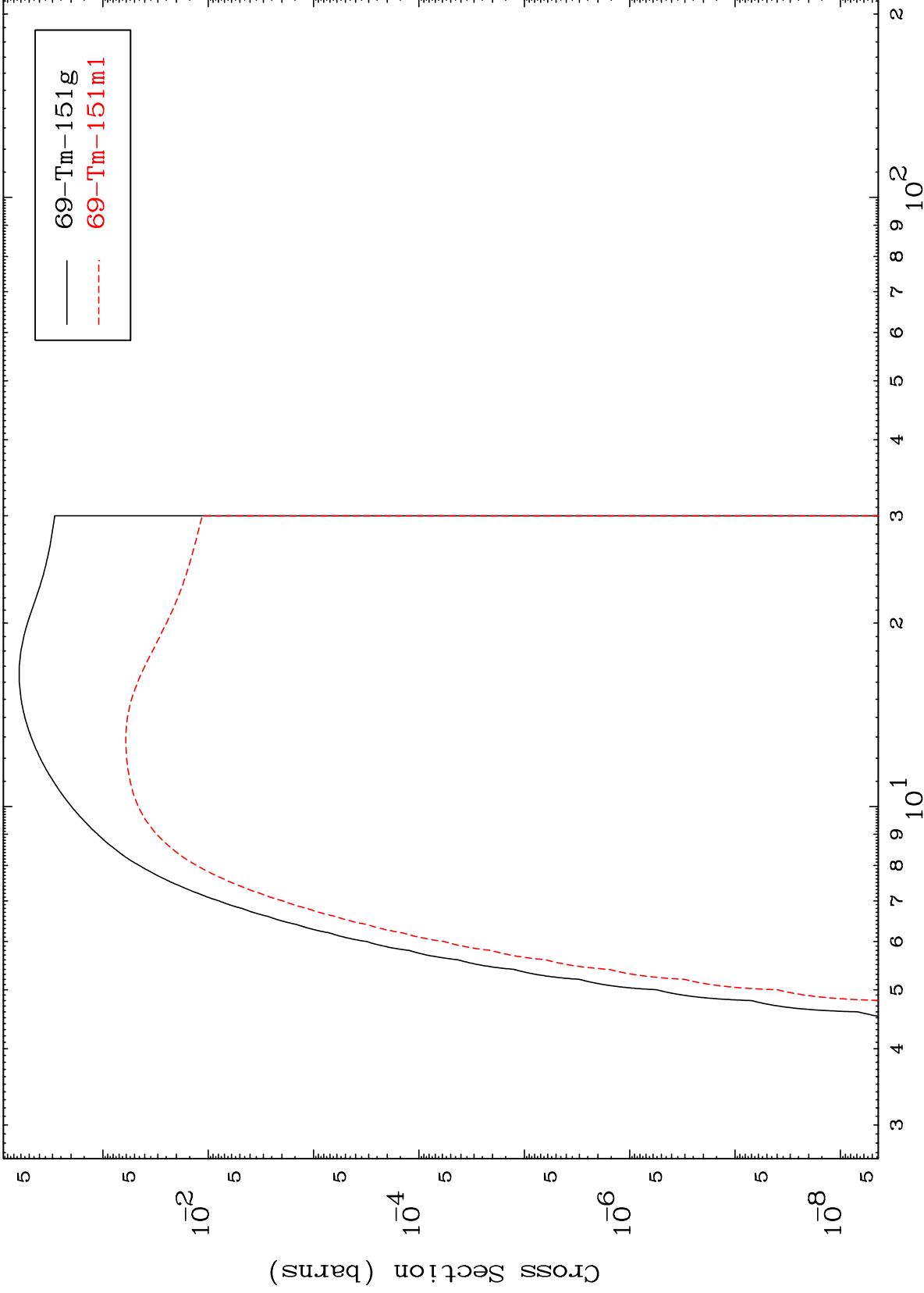


MAT 6977

(n,n') p

70-Yb-152

Radionuclide Production Cross Section



73

Incident Energy (MeV)

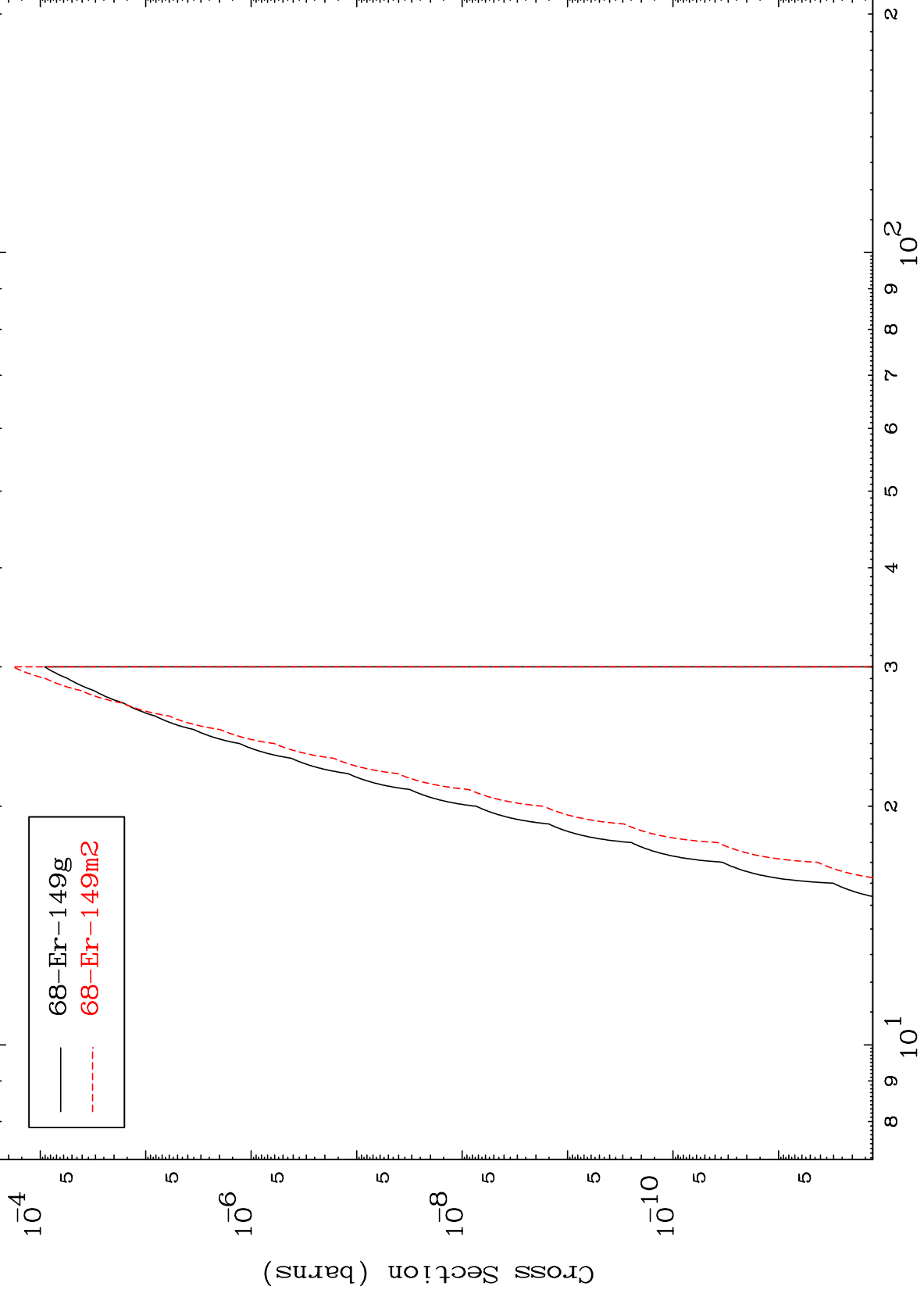
70-Yb-152

MAT 6977

(n,n') He-3

70-Yb-152

Radionuclide Production Cross Section



68-Er-149g
68-Er-149m2

74

Incident Energy (MeV)

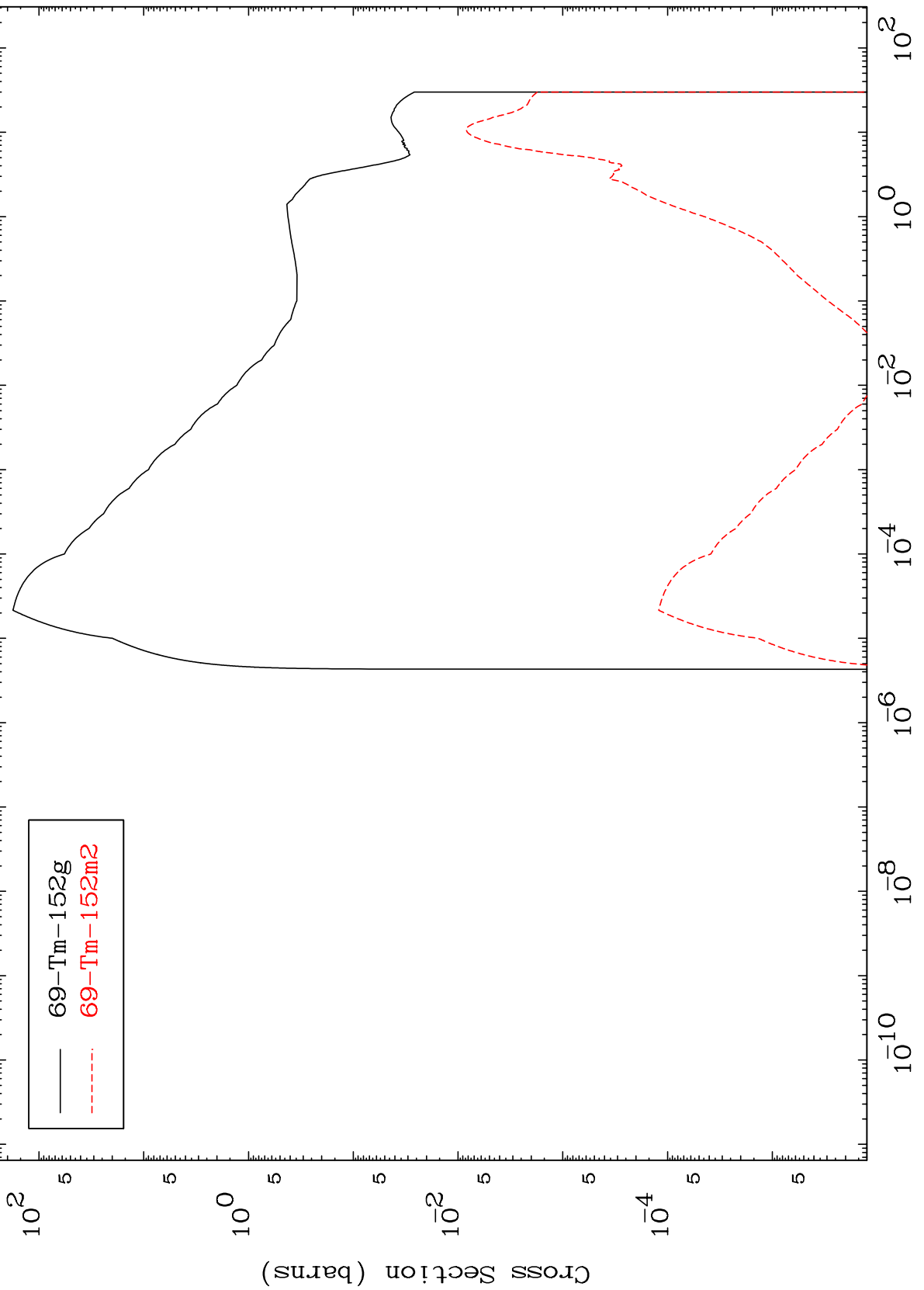
70-Yb-152

MAT 6977

(n,p)

70-Yb-152

Radionuclide Production Cross Section



75

Incident Energy (MeV)

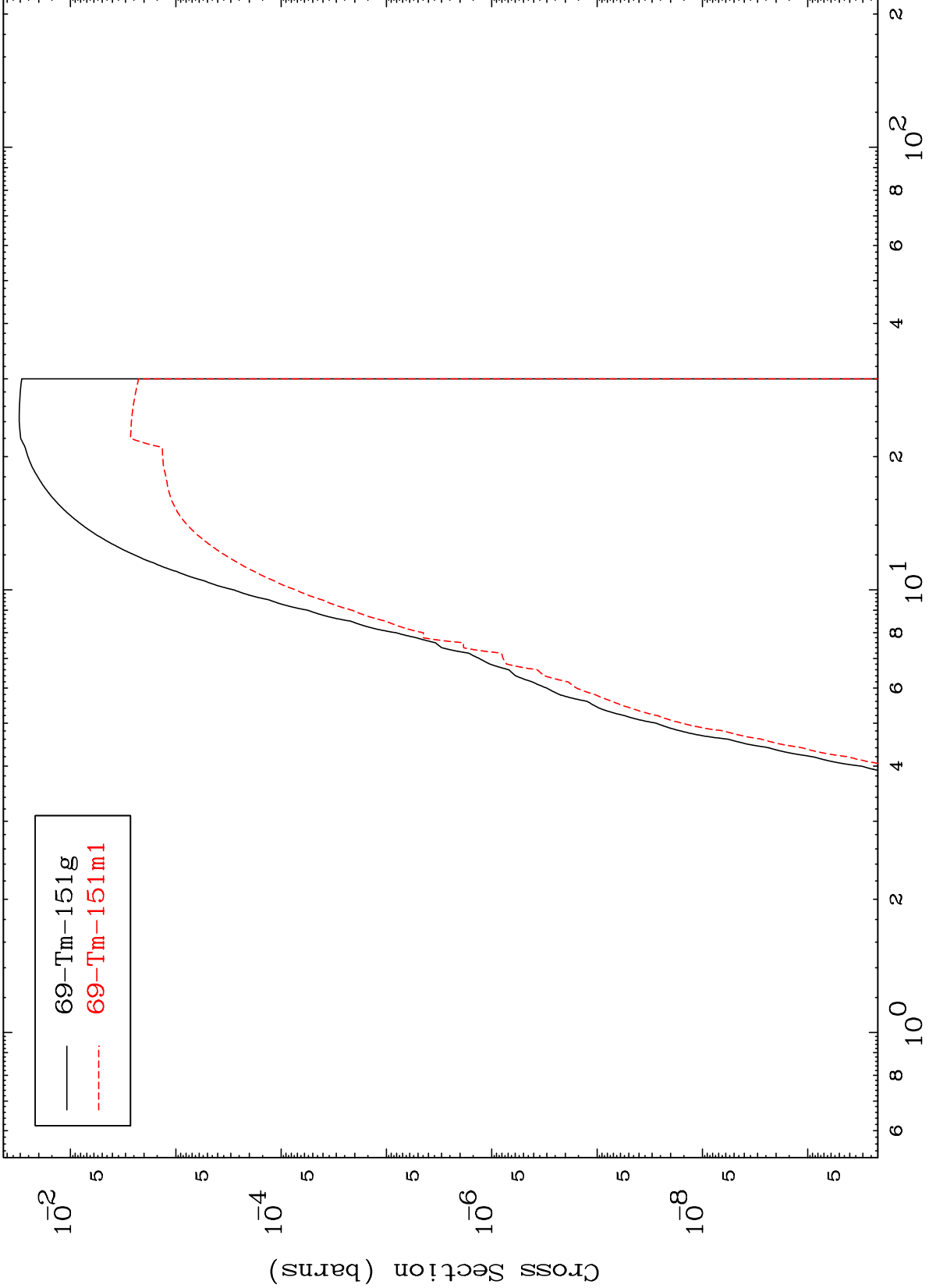
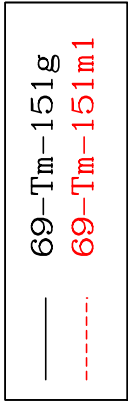
70-Yb-152

MAT 6977

(n,d)

70-Yb-152

Radionuclide Production Cross Section



76

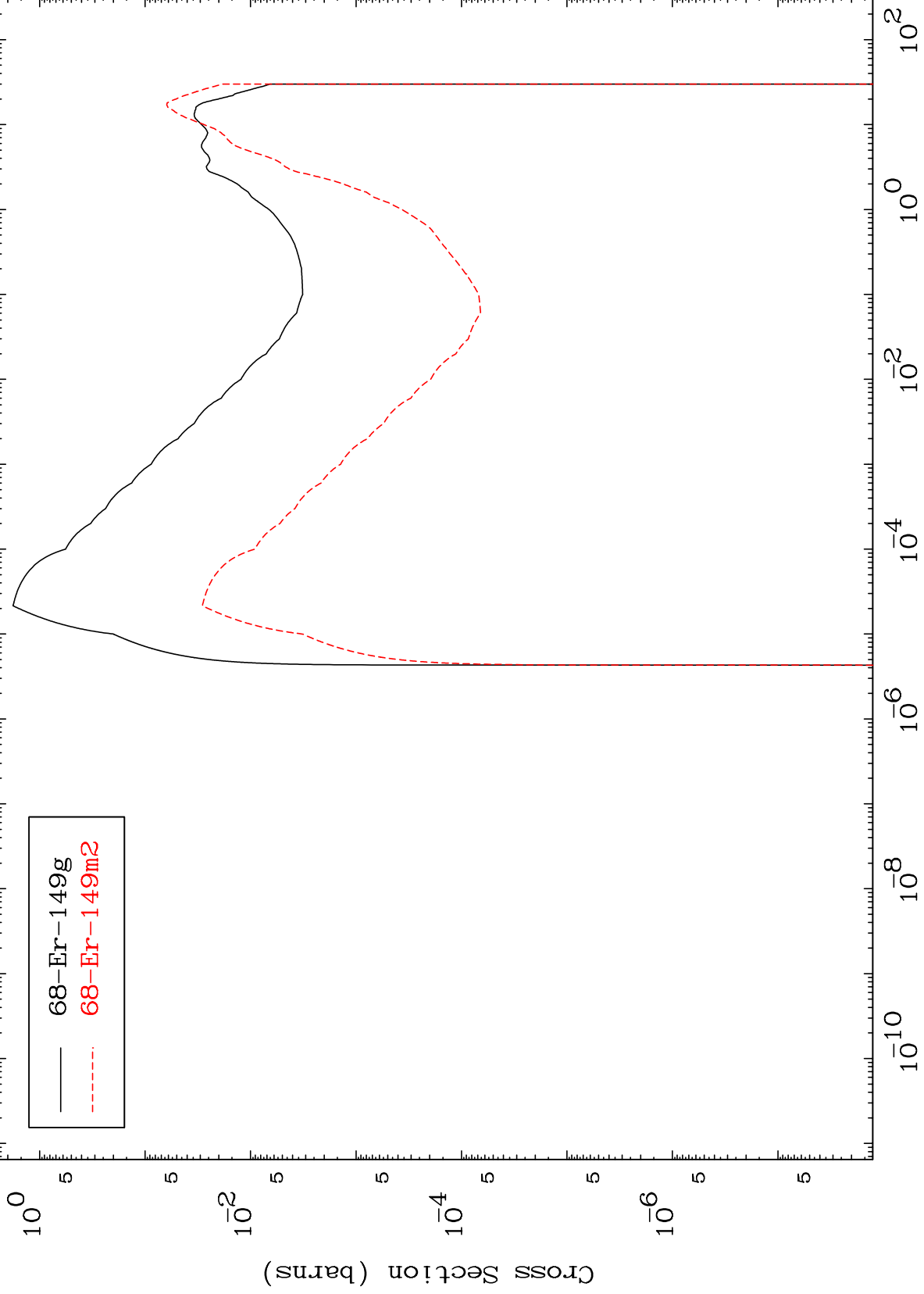
Incident Energy (MeV)

70-Yb-152

MAT 6977

70-Yb-152

Radionuclide Production Cross Section



77

Incident Energy (MeV)

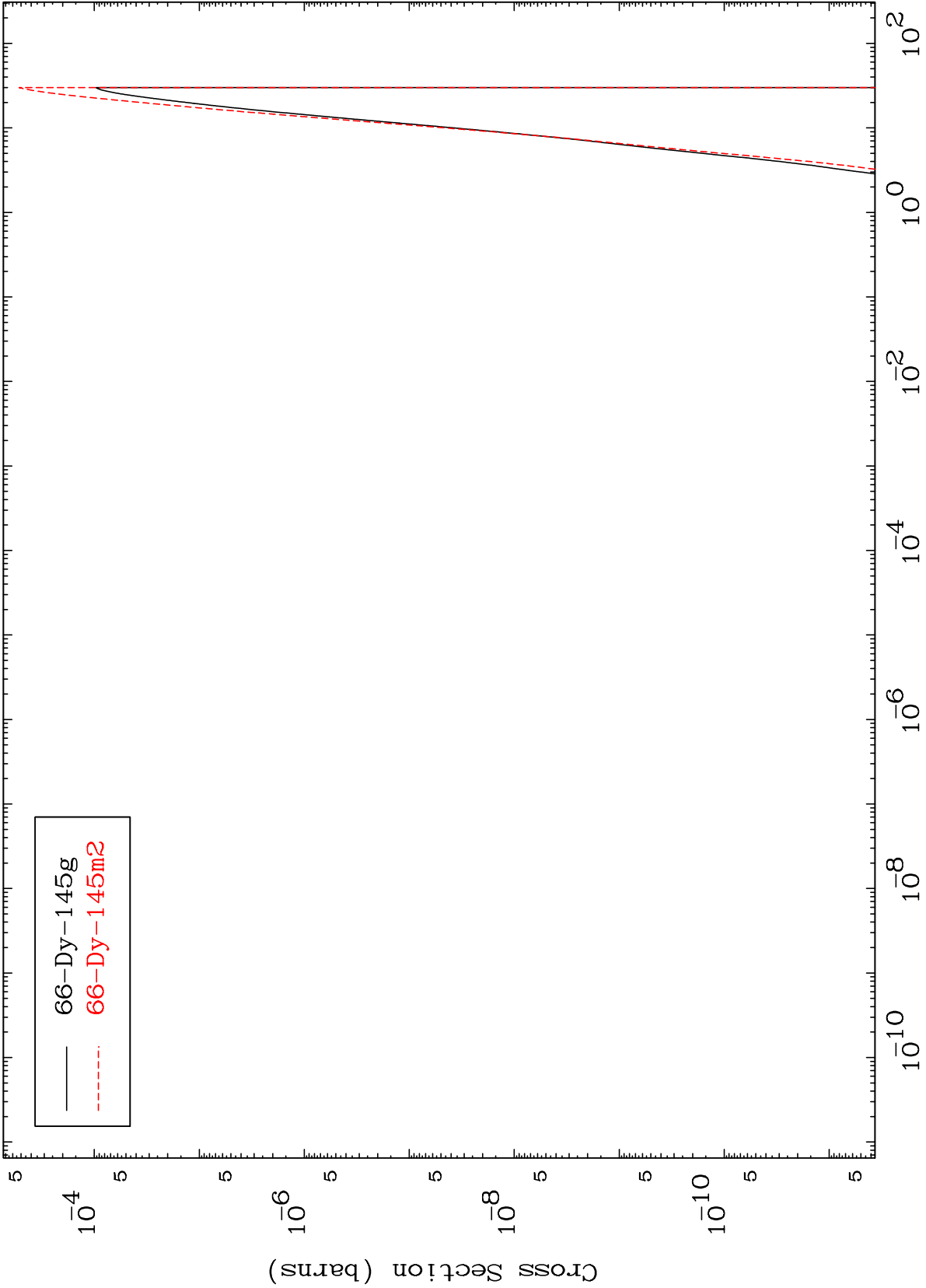
70-Yb-152

MAT 6977

(n,2α)

70-Yb-152

Radionuclide Production Cross Section



66-Dy-145g
66-Dy-145m2

Incident Energy (MeV)

70-Yb-152

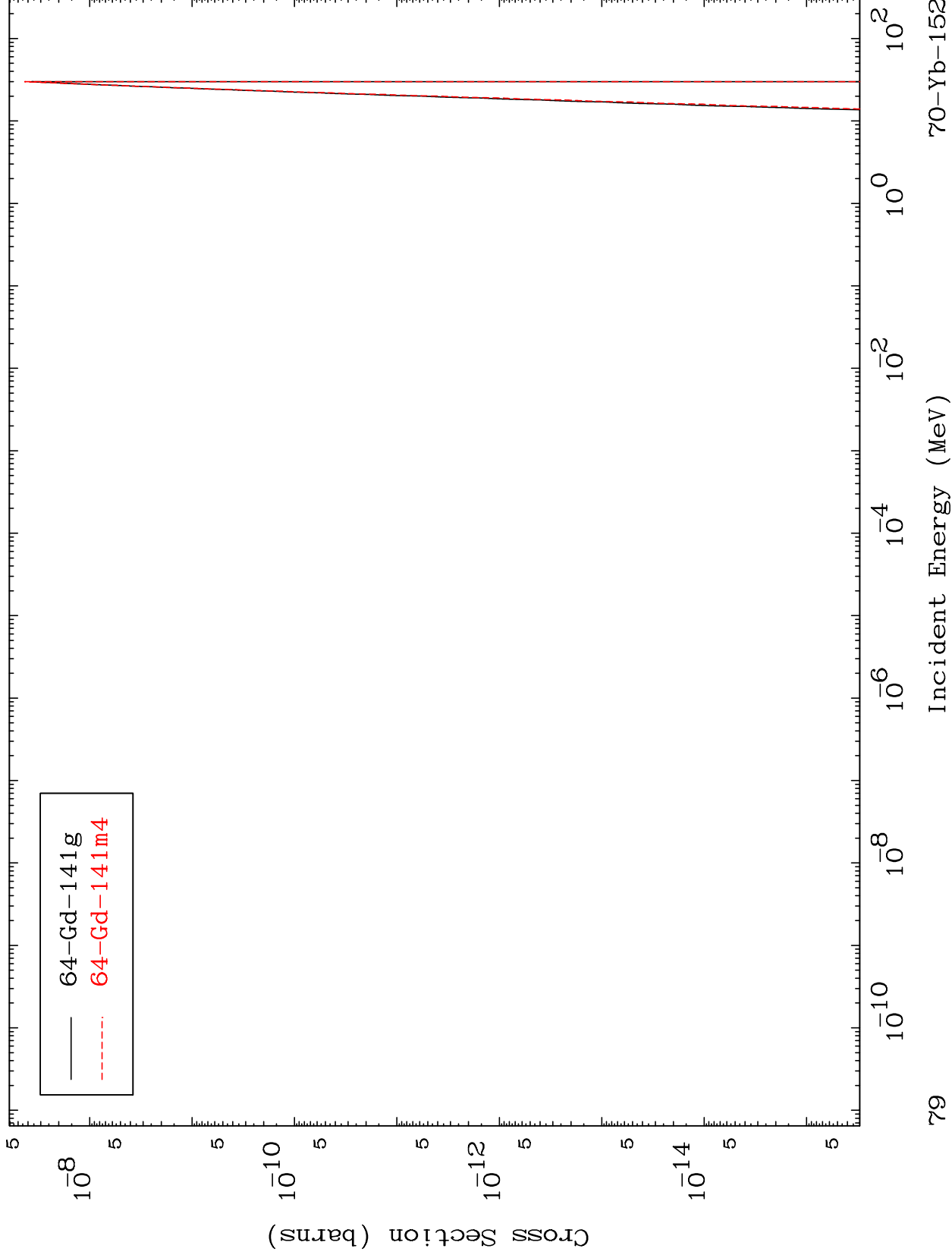
78

MAT 6977

(n,3 α)

70-Yb-152

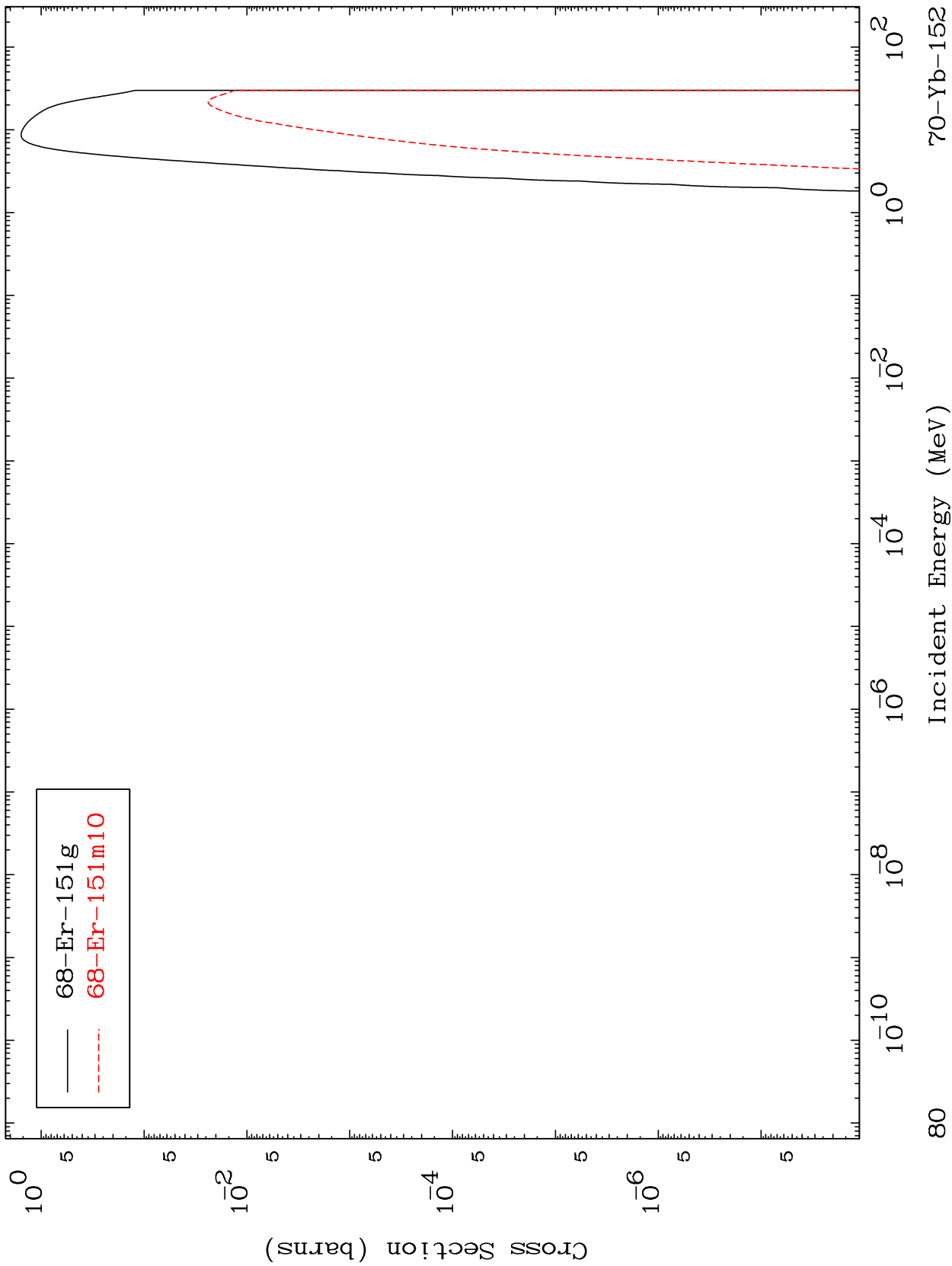
Radionuclide Production Cross Section



MAT 6977

70-Yb-152

(n,2p)
Radionuclide Production Cross Section

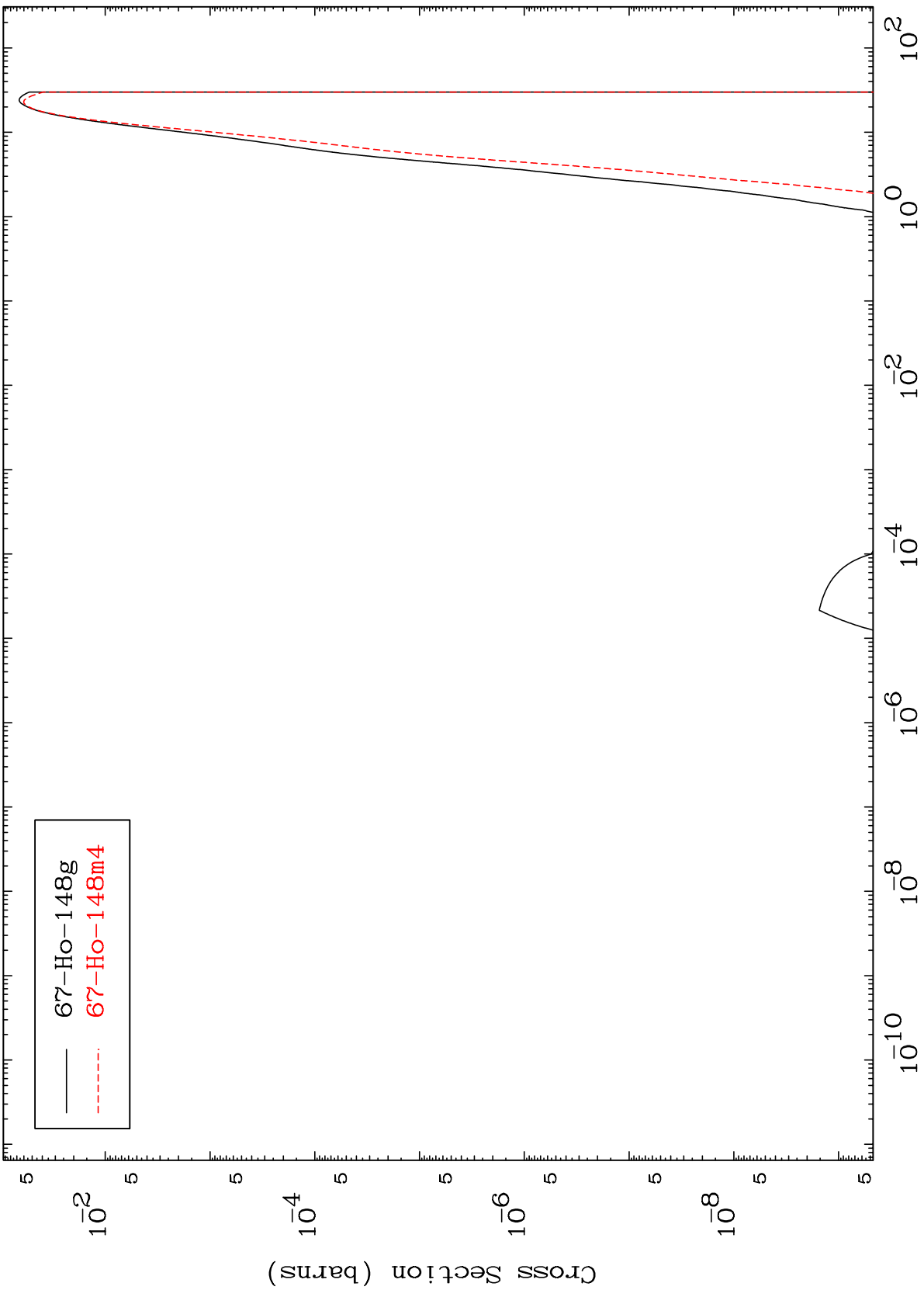


MAT 6977

(n,p) α

70-Yb-152

Radionuclide Production Cross Section

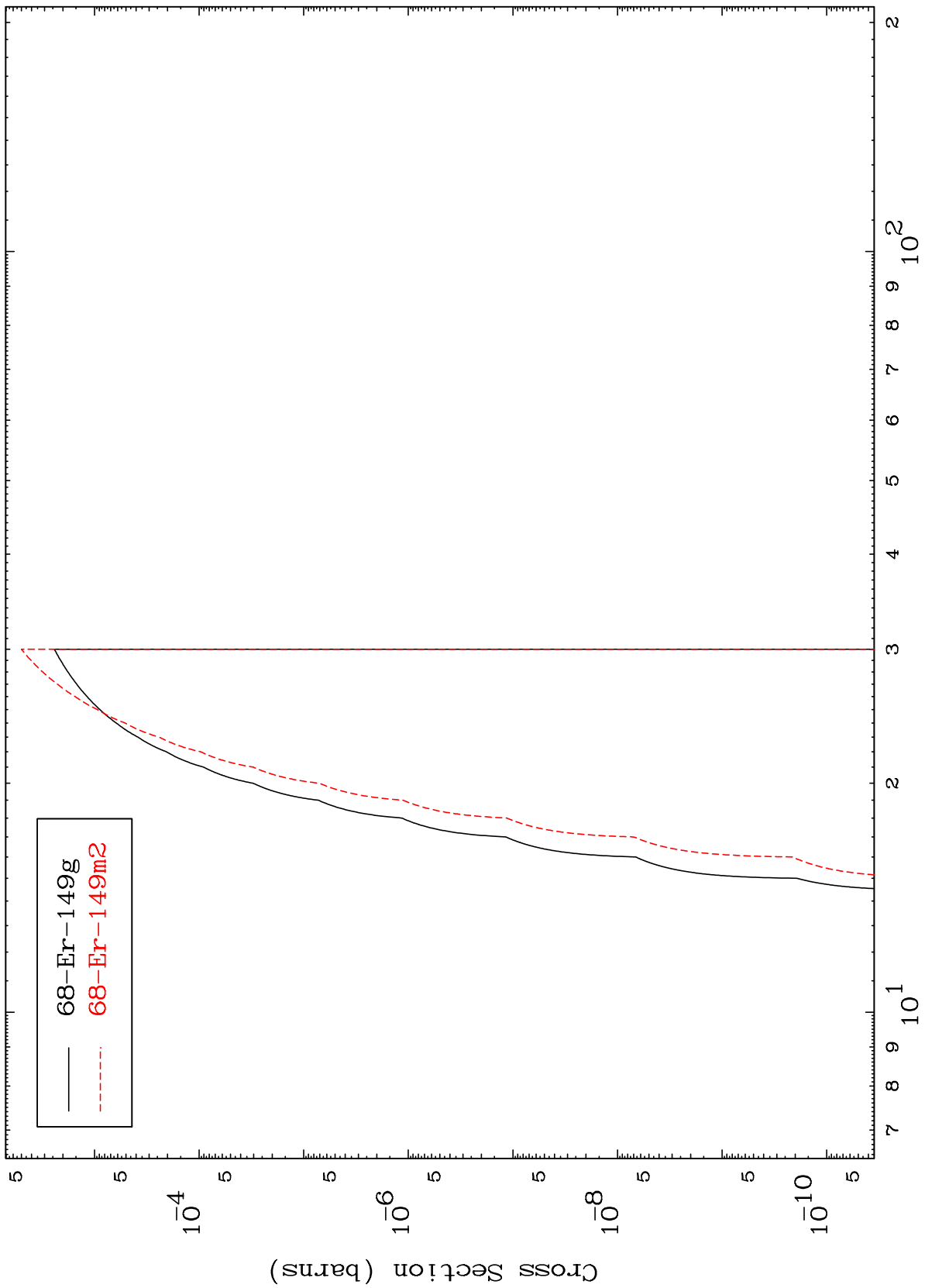


MAT 6977

(n,p) t

70-Yb-152

Radionuclide Production Cross Section



82

Incident Energy (MeV)

70-Yb-152