

Program EVALPLOT  
(Version 2021-1)

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

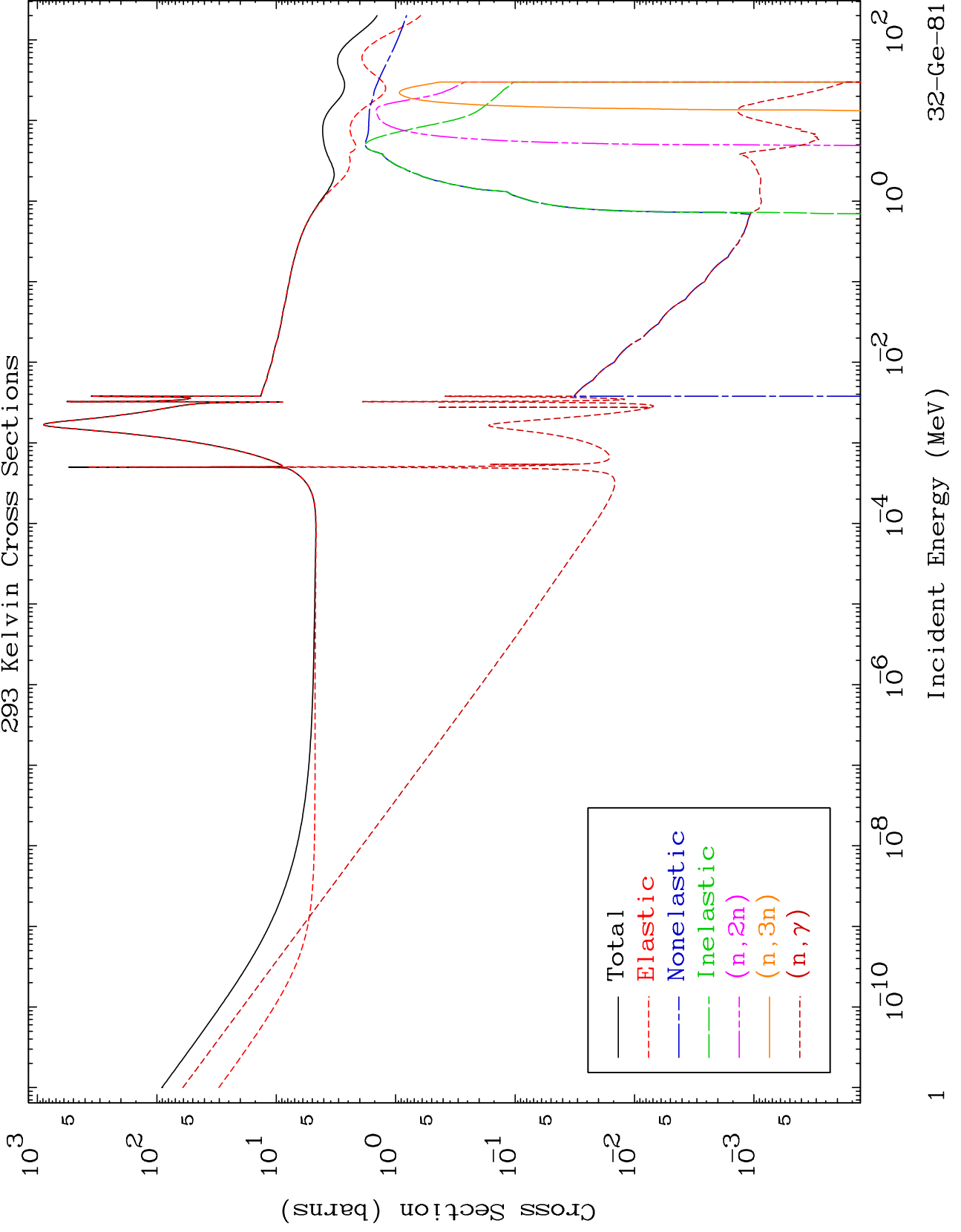
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3258

Neutron Major  
293 Kelvin Cross Sections

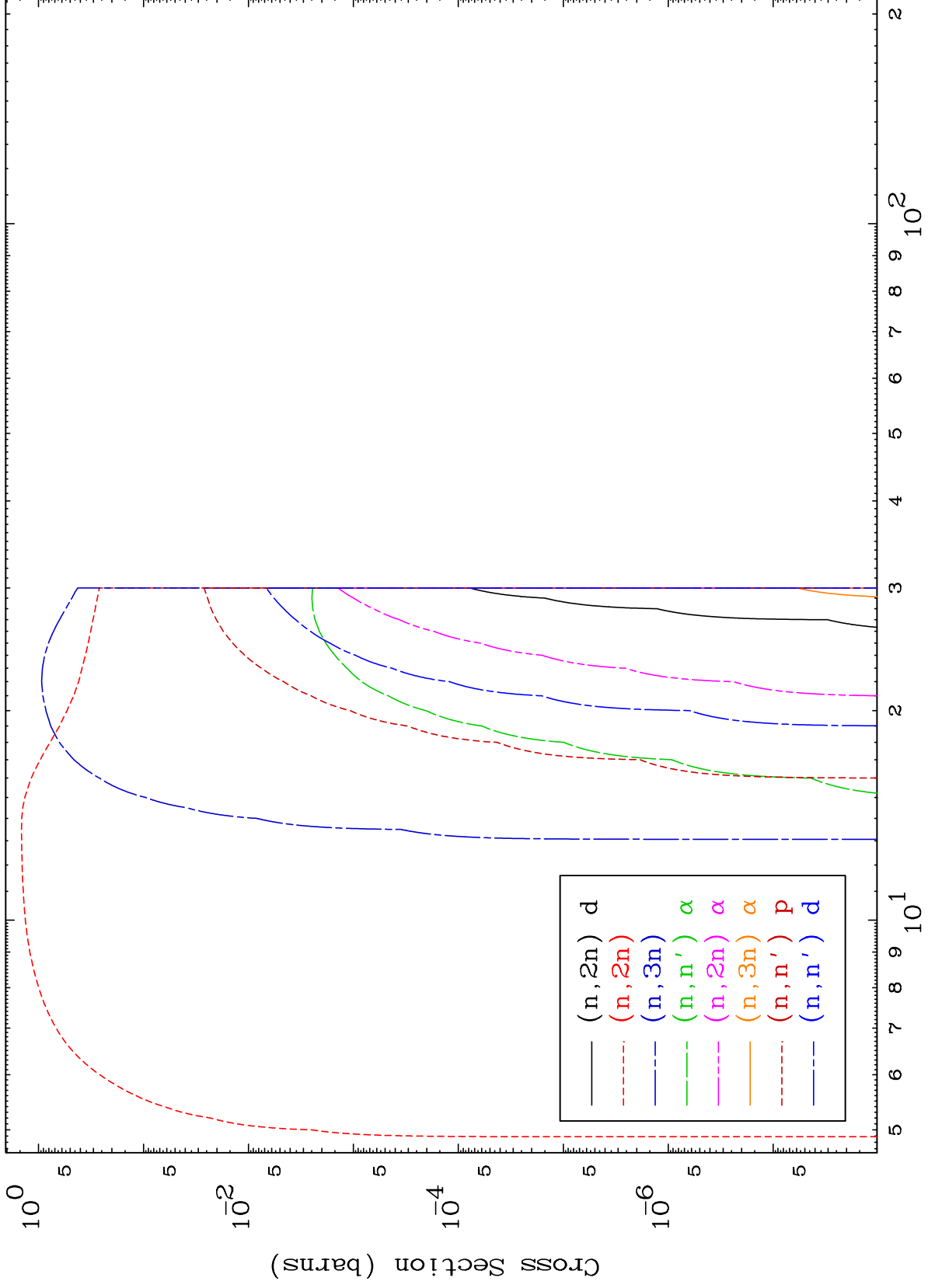
32-Ge-81



MAT 3258

Neutron Absorption  
293 Kelvin Cross Sections

<sup>32</sup>Ge-81



Incident Energy (MeV)

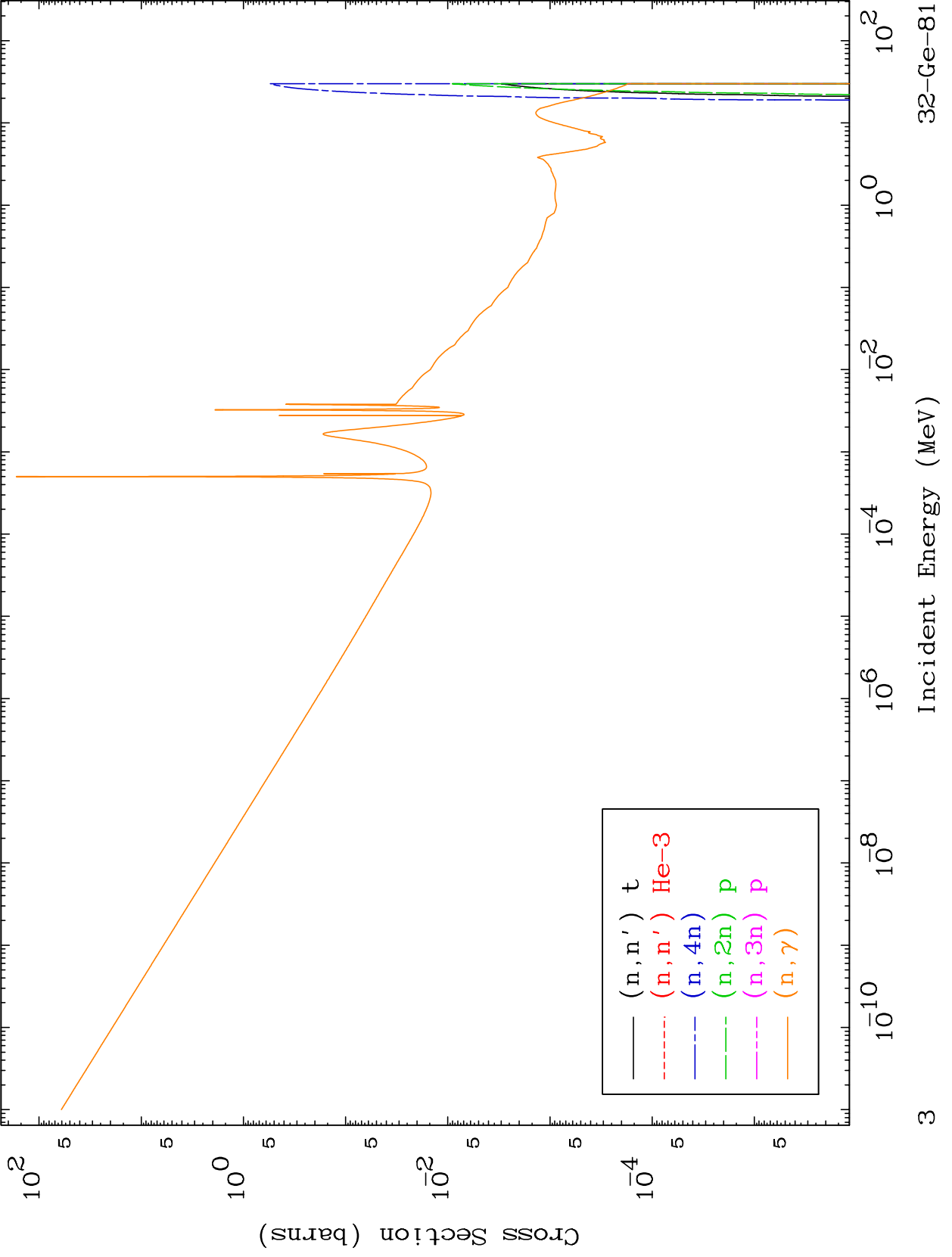
<sup>32</sup>Ge-81

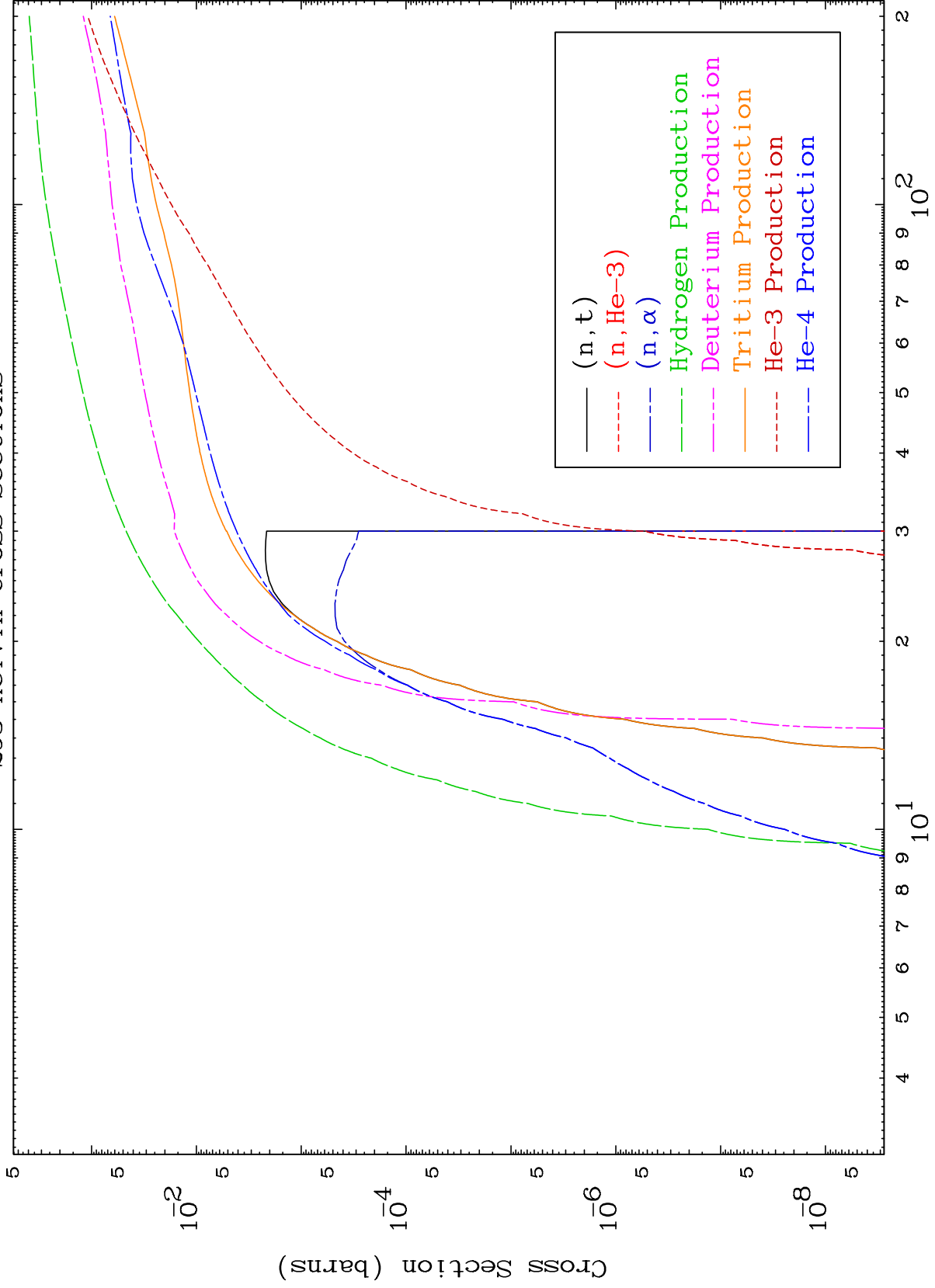
2

MAT 3258

Neutron Absorption  
293 Kelvin Cross Sections

32-Ge-81

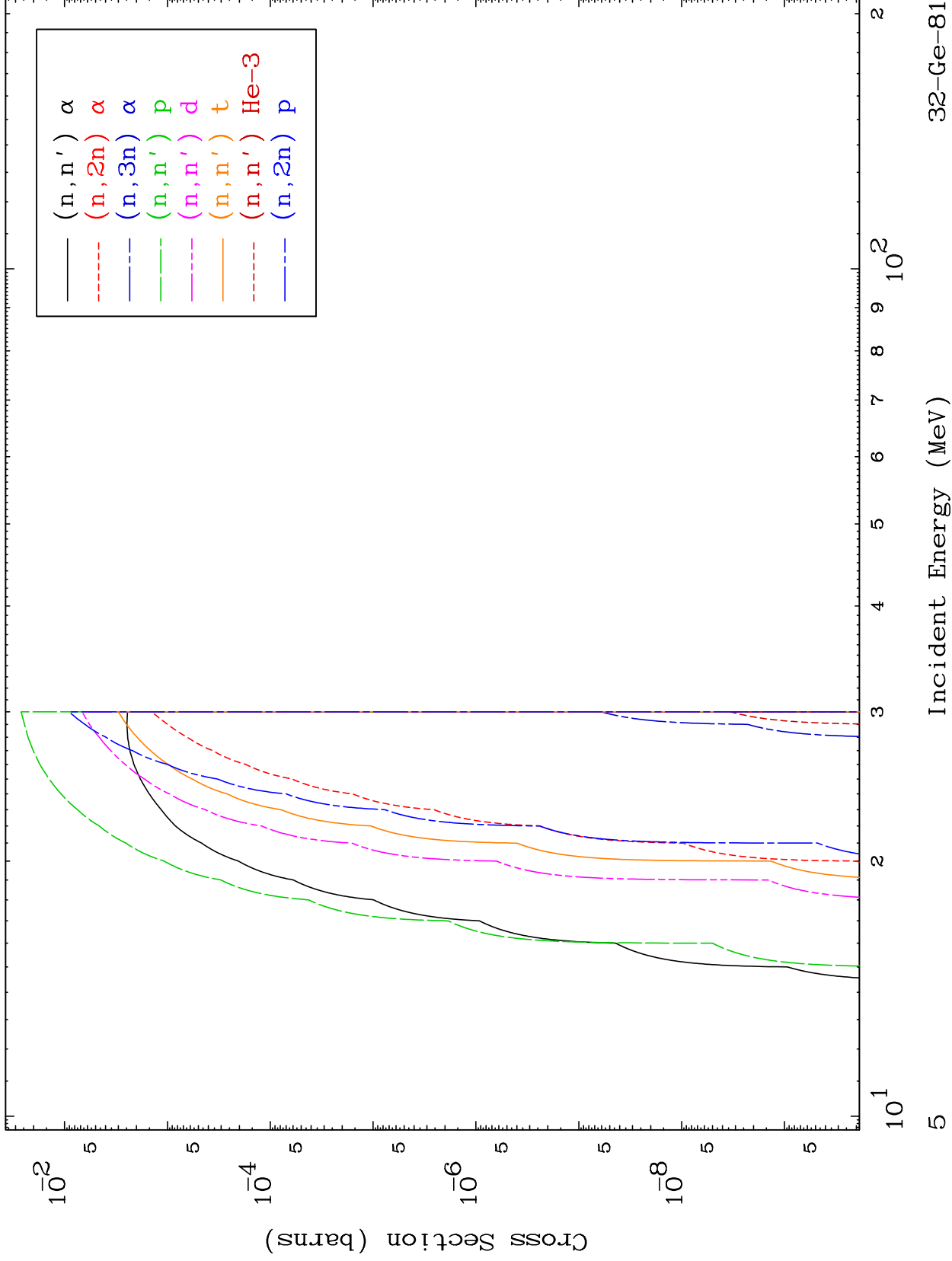




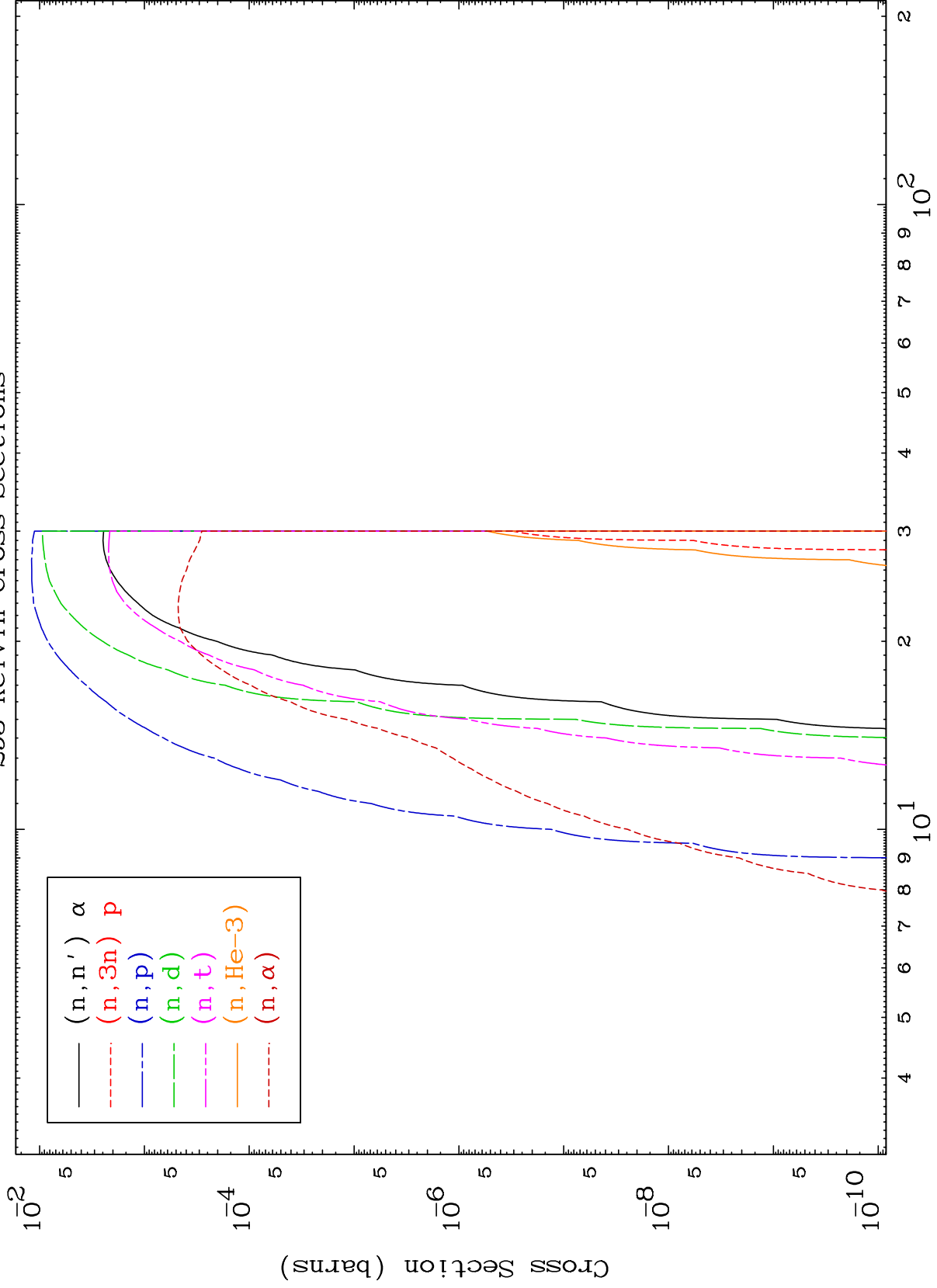
MAT 3258

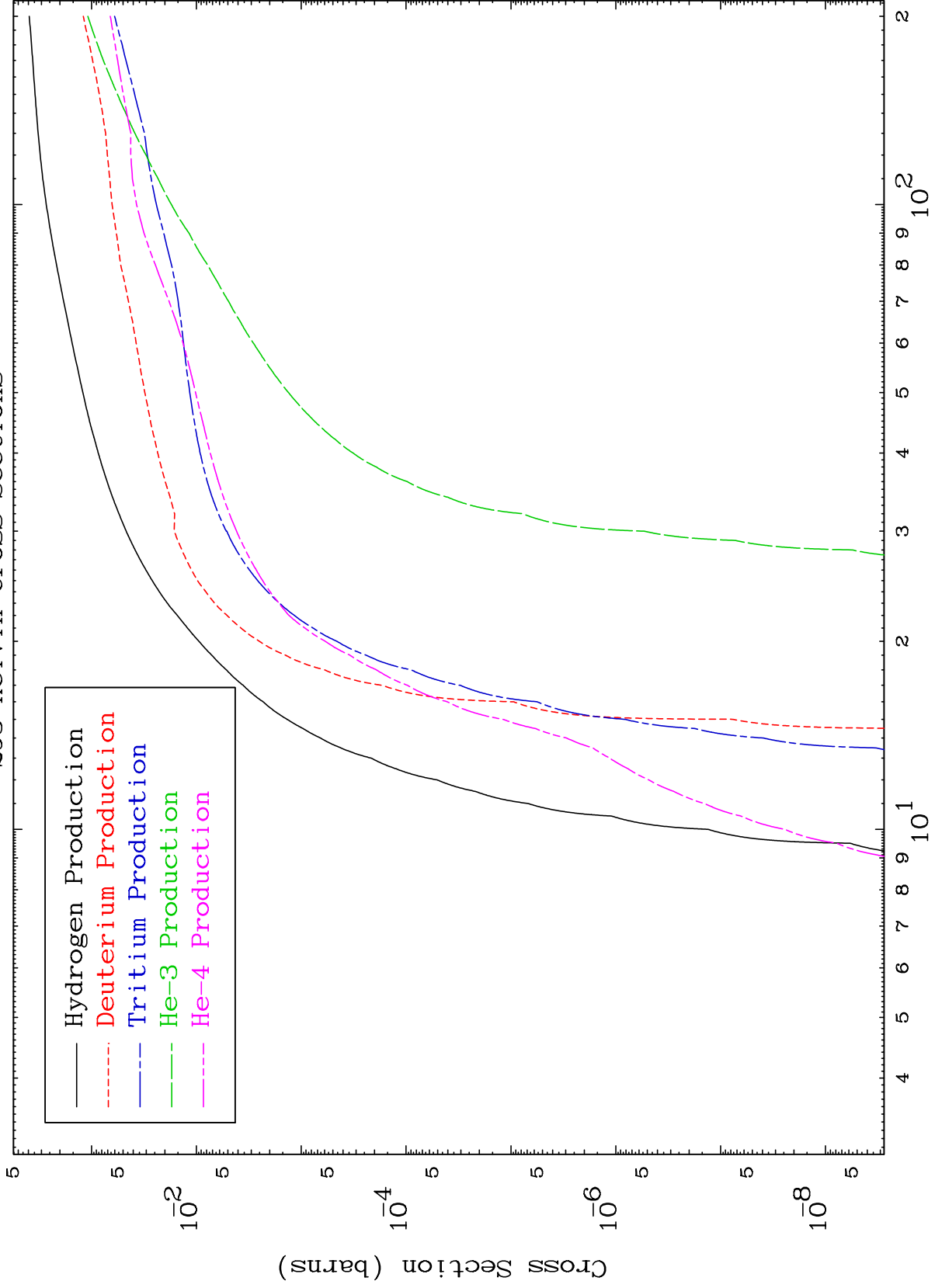
Charged Particle  
293 Kelvin Cross Sections

32-Ge-81



32-Ge-81





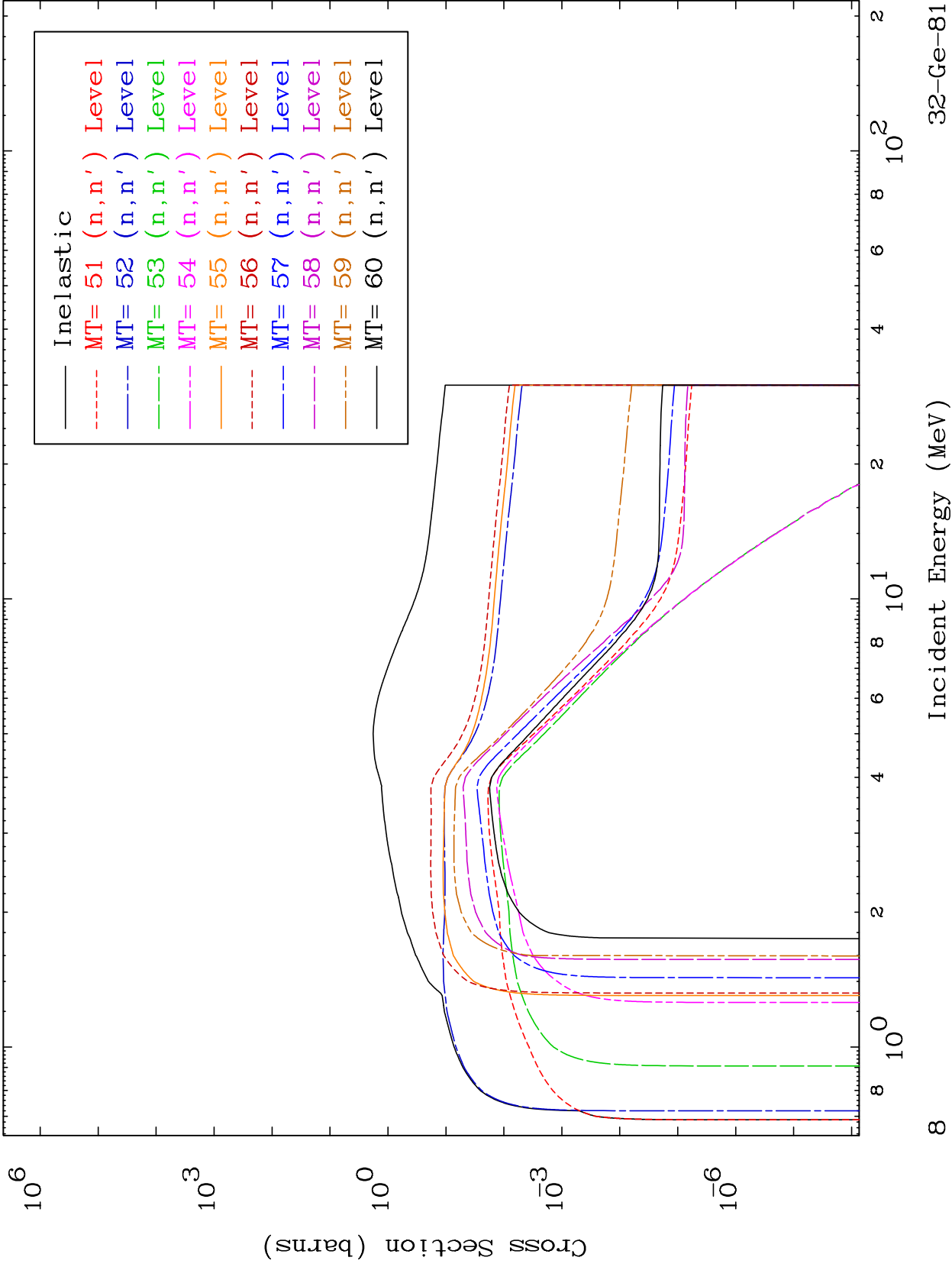


MAT 3258

(n,n') Levels

32-Ge-81

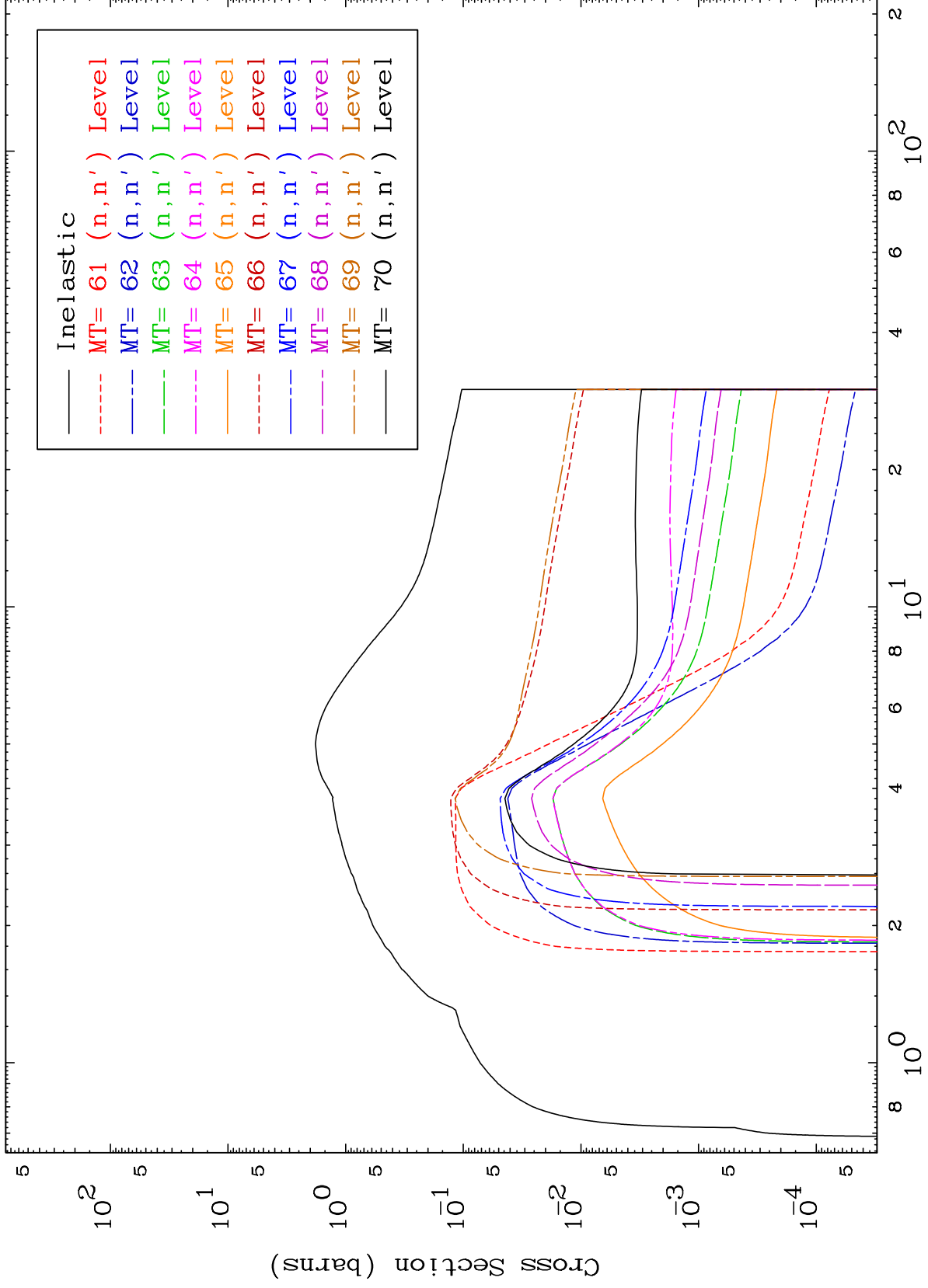
293 Kelvin Cross Sections



8

Incident Energy (MeV)

32-Ge-81

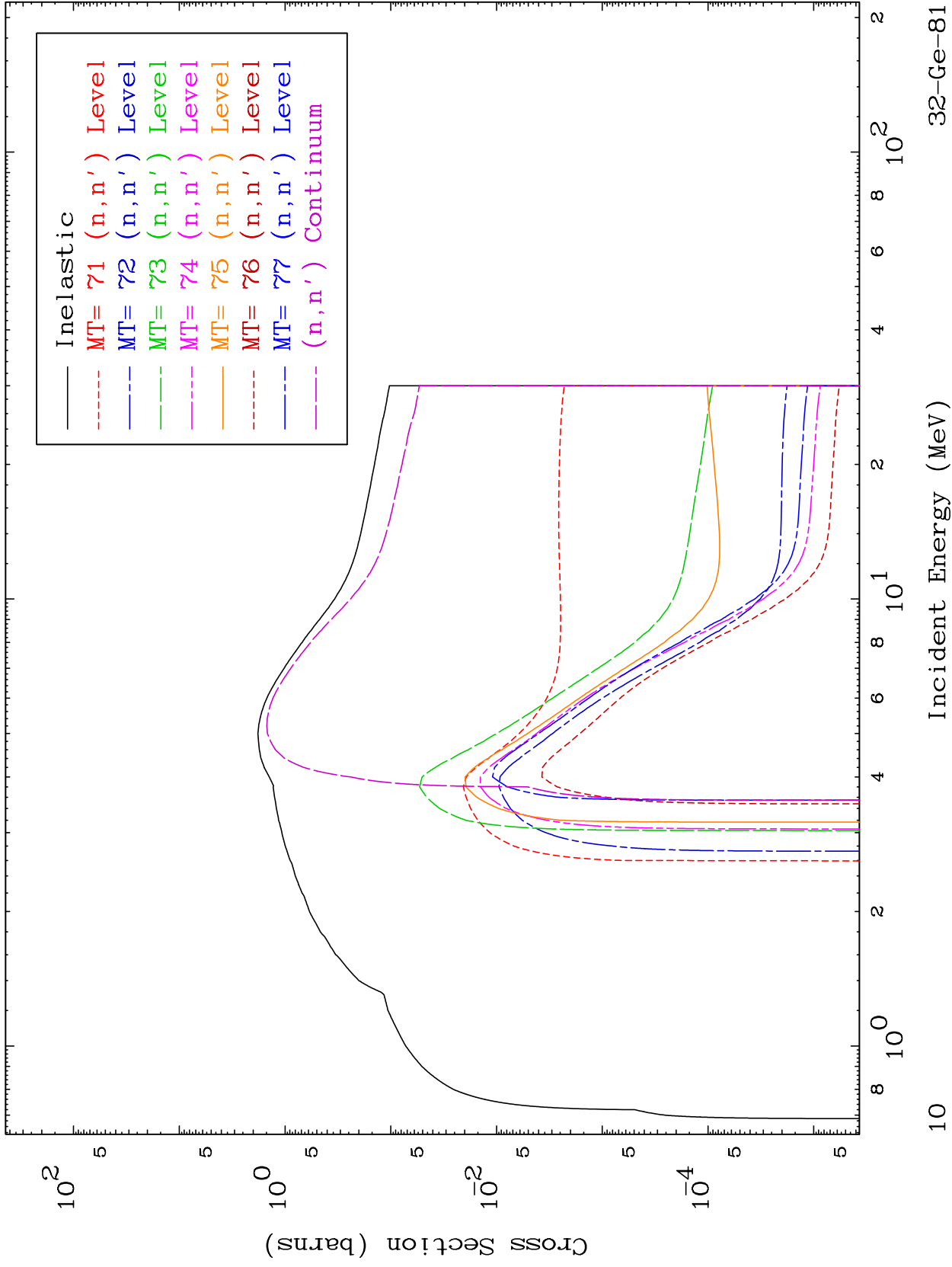


MAT 3258

(n,n') Levels

32-Ge-81

293 Kelvin Cross Sections



10

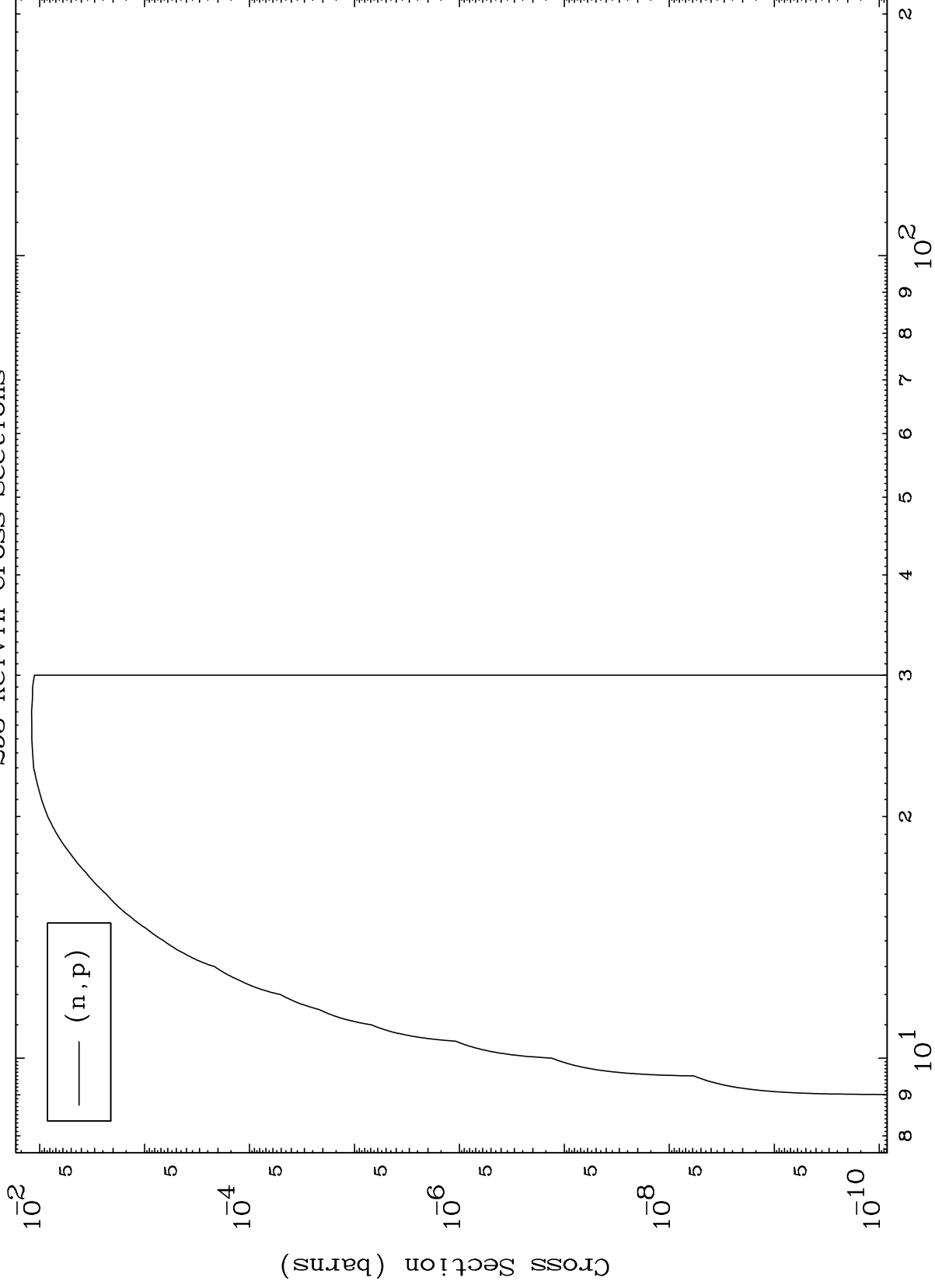
Incident Energy (MeV)

32-Ge-81

MAT 3258

(n,p) Levels  
293 Kelvin Cross Sections

<sup>32</sup>Ge-81



11

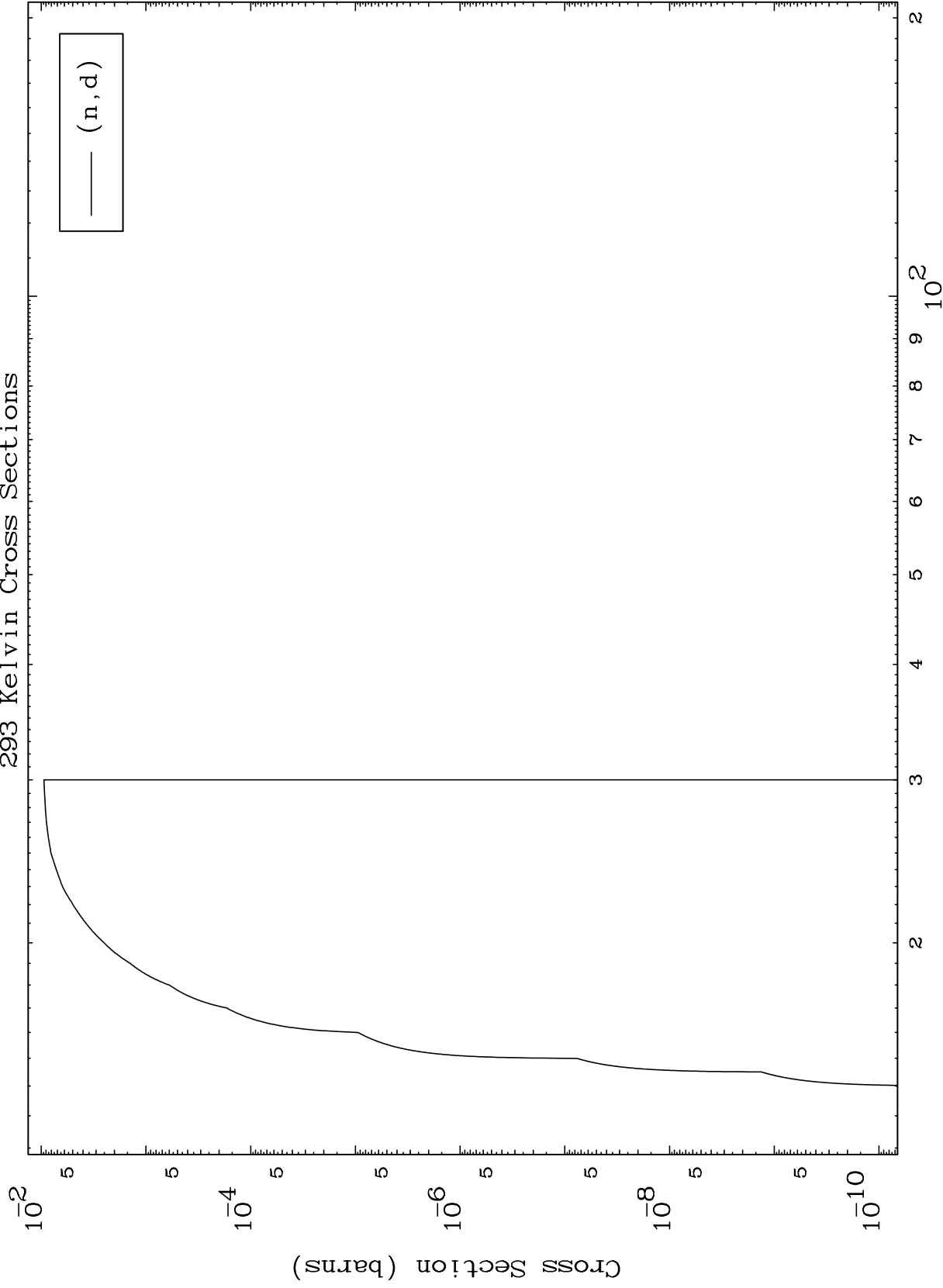
Incident Energy (MeV)

<sup>32</sup>Ge-81

MAT 3258

(n,d) Levels  
293 Kelvin Cross Sections

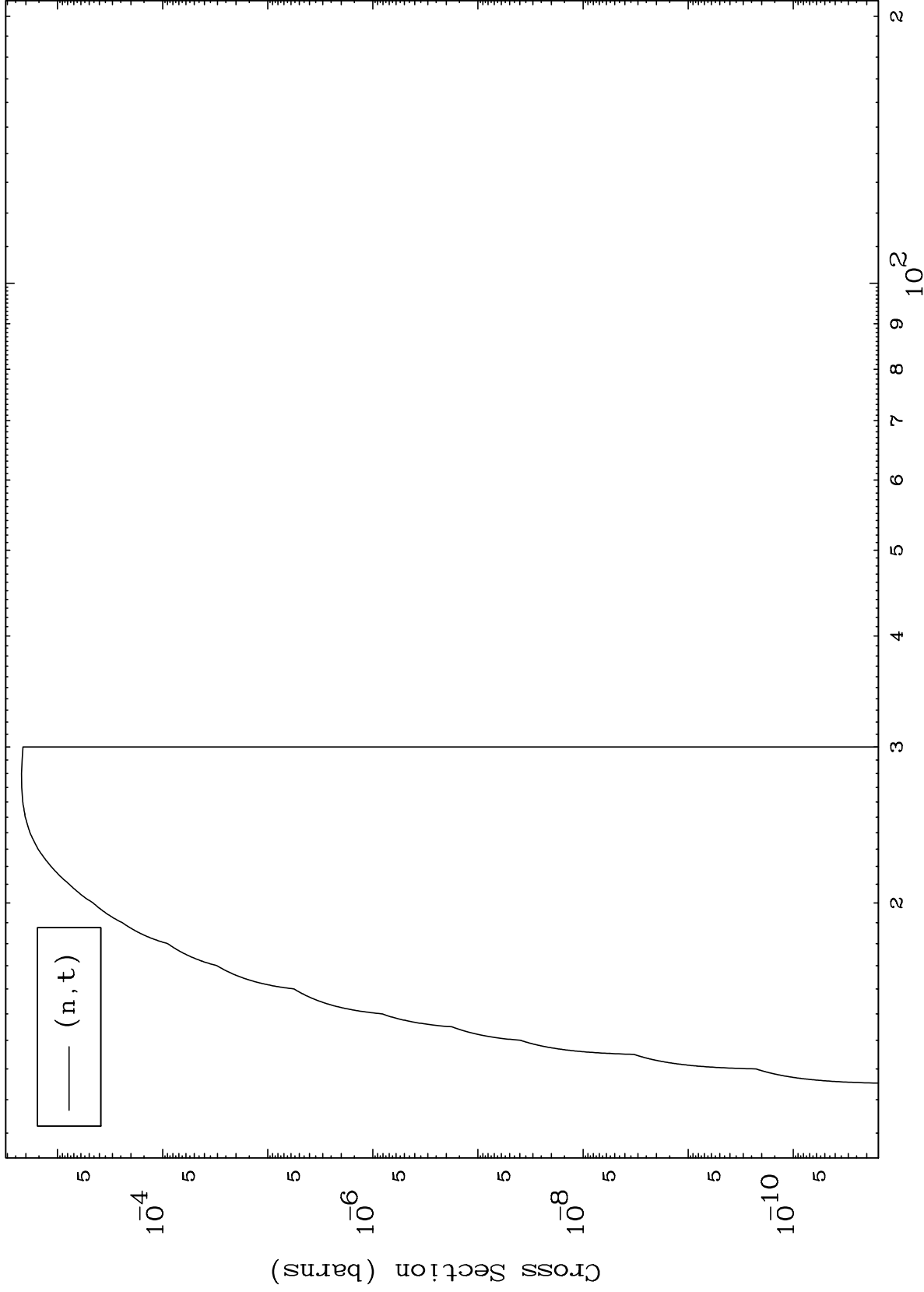
<sup>32</sup>Ge-81



12

Incident Energy (MeV)

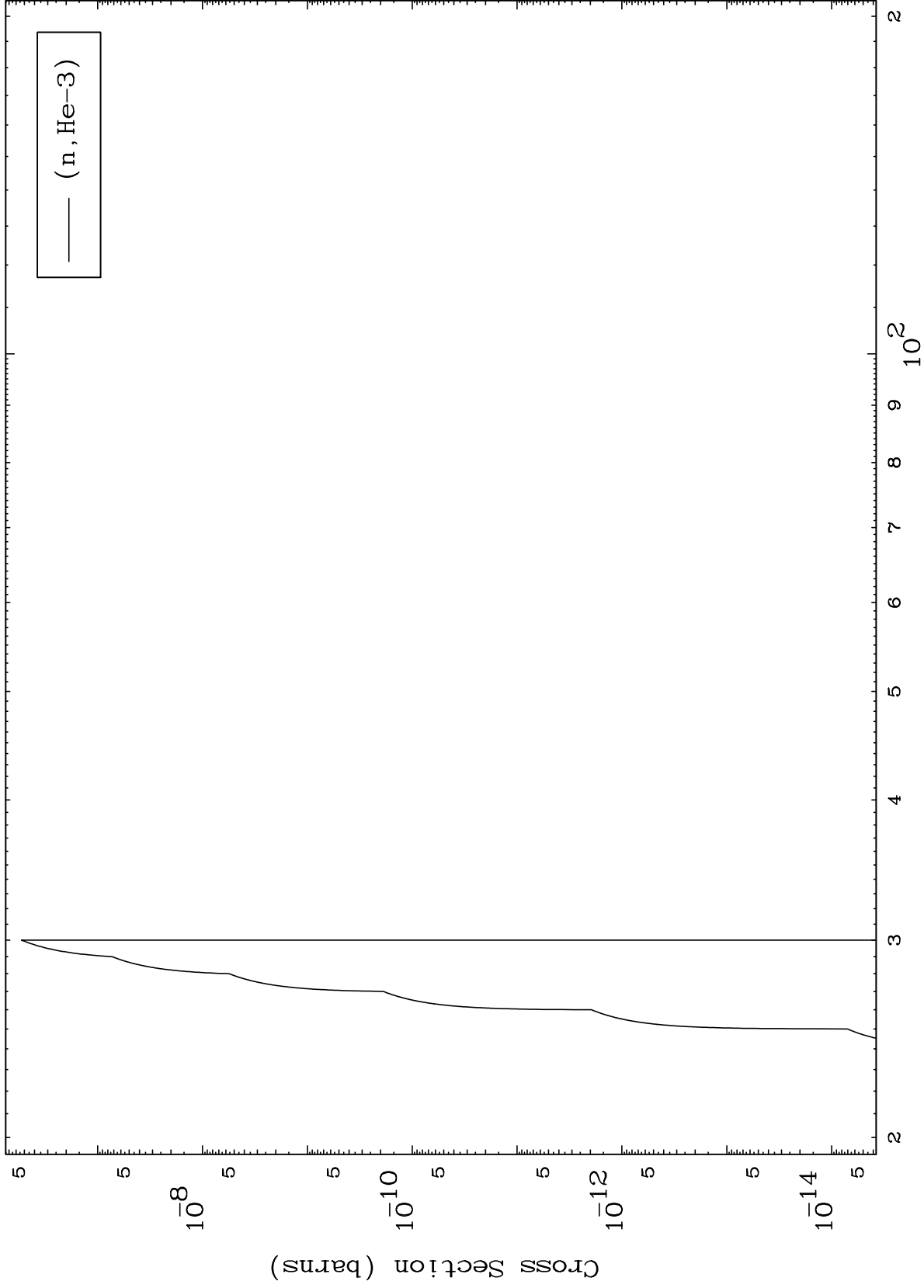
<sup>32</sup>Ge-81



MAT 3258

(n,He3) Levels  
293 Kelvin Cross Sections

32-Ge-81



14

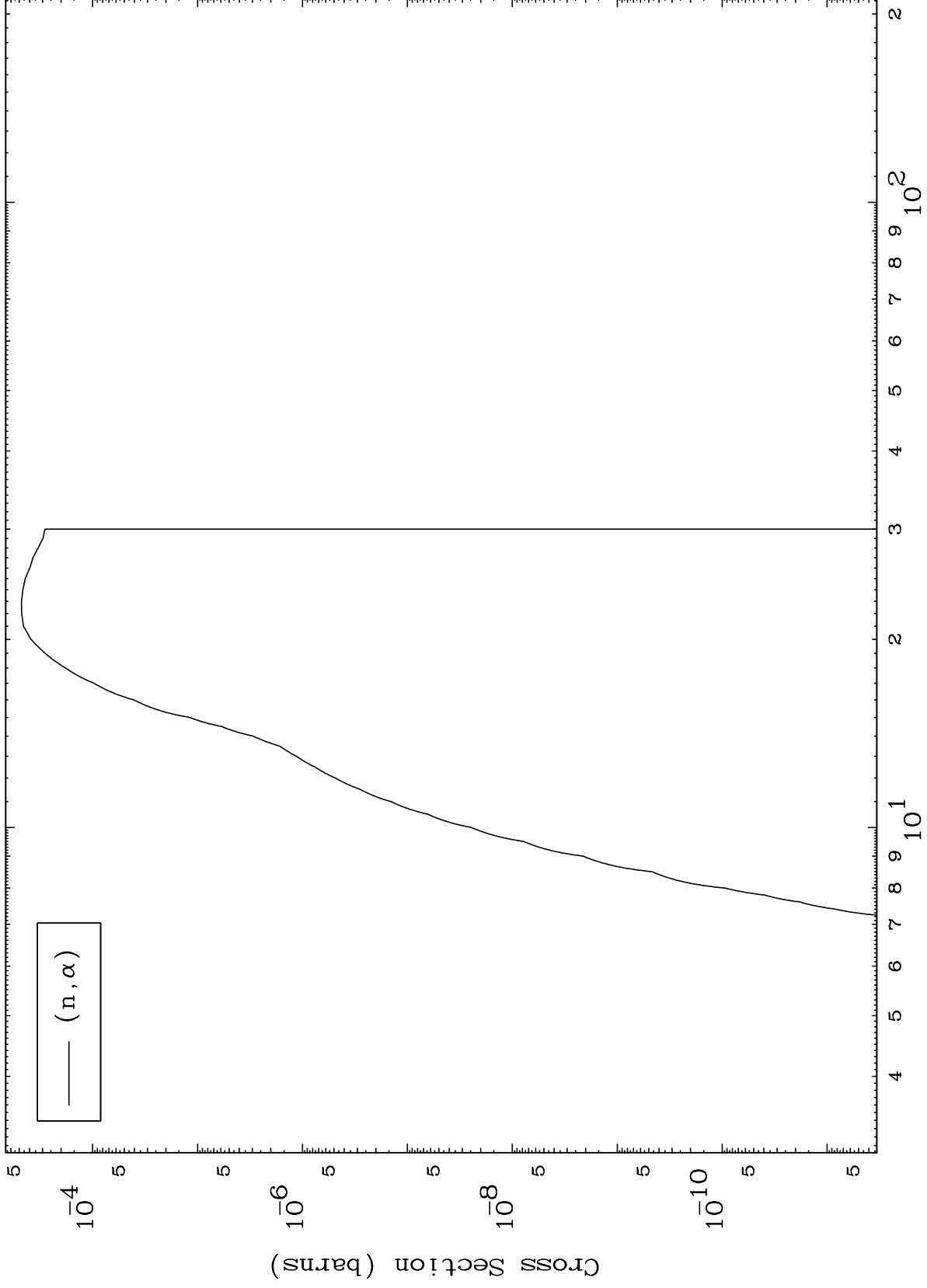
Incident Energy (MeV)

32-Ge-81

MAT 3258

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

<sup>32</sup>Ge-81



15

Incident Energy (MeV)

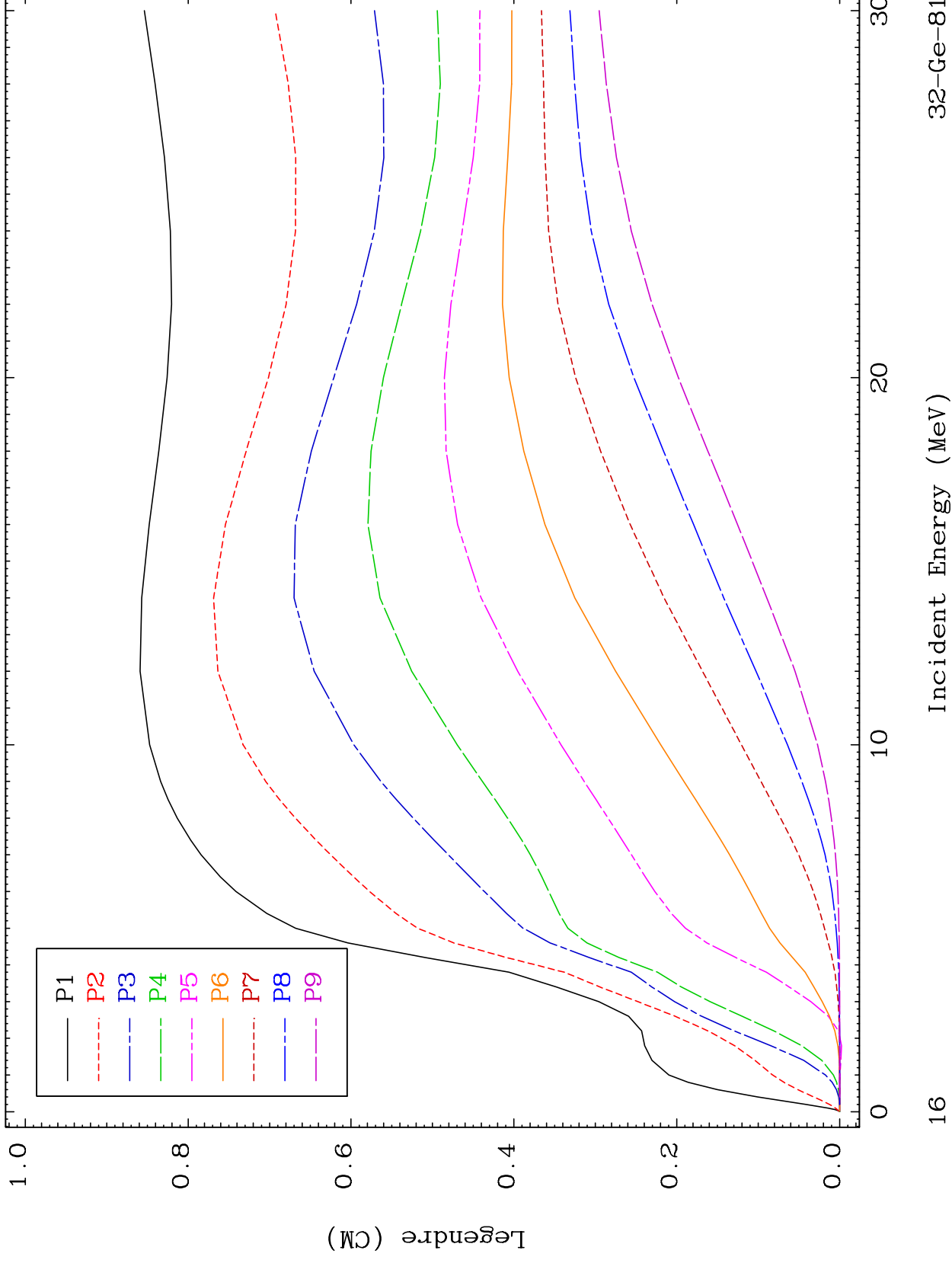
<sup>32</sup>Ge-81



MAT 3258

Elastic Legendre Coefficients

<sup>32</sup>Ge-81

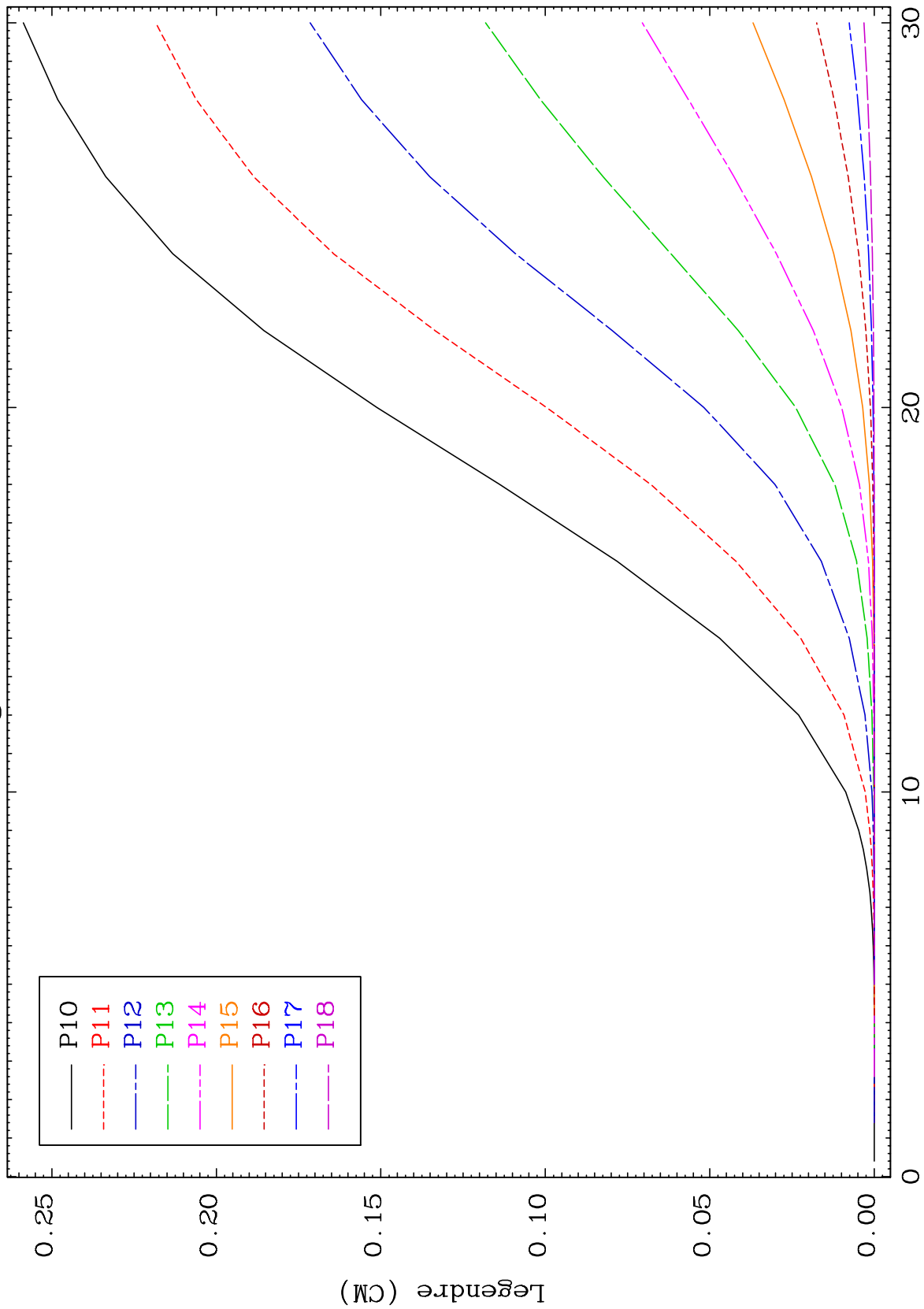


16

MAT 3258

Elastic Legendre Coefficients

<sup>32</sup>Ge-81



17

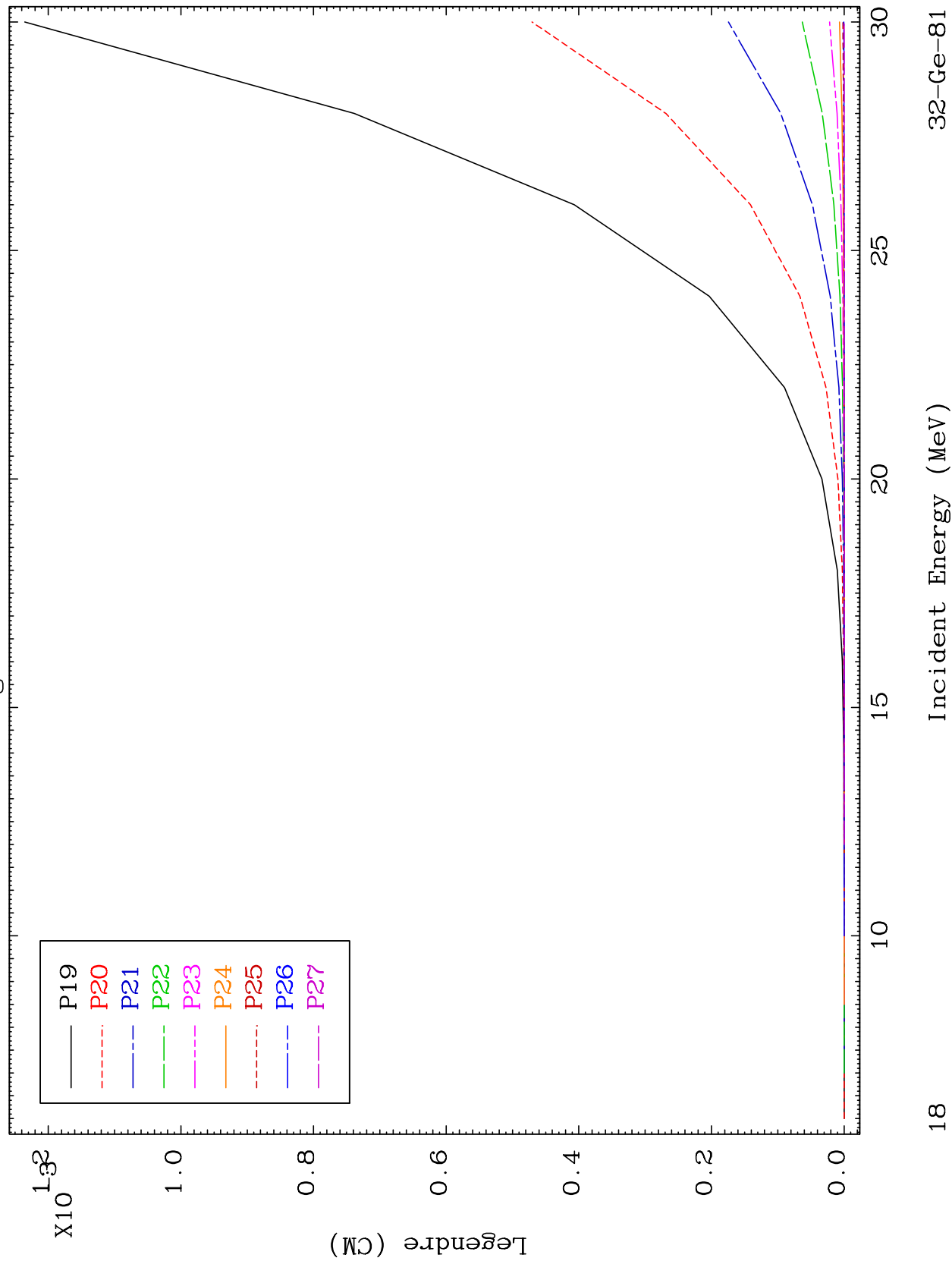
Incident Energy (MeV)

<sup>32</sup>Ge-81

MAT 3258

Elastic Legendre Coefficients

<sup>32</sup>Ge-81



18

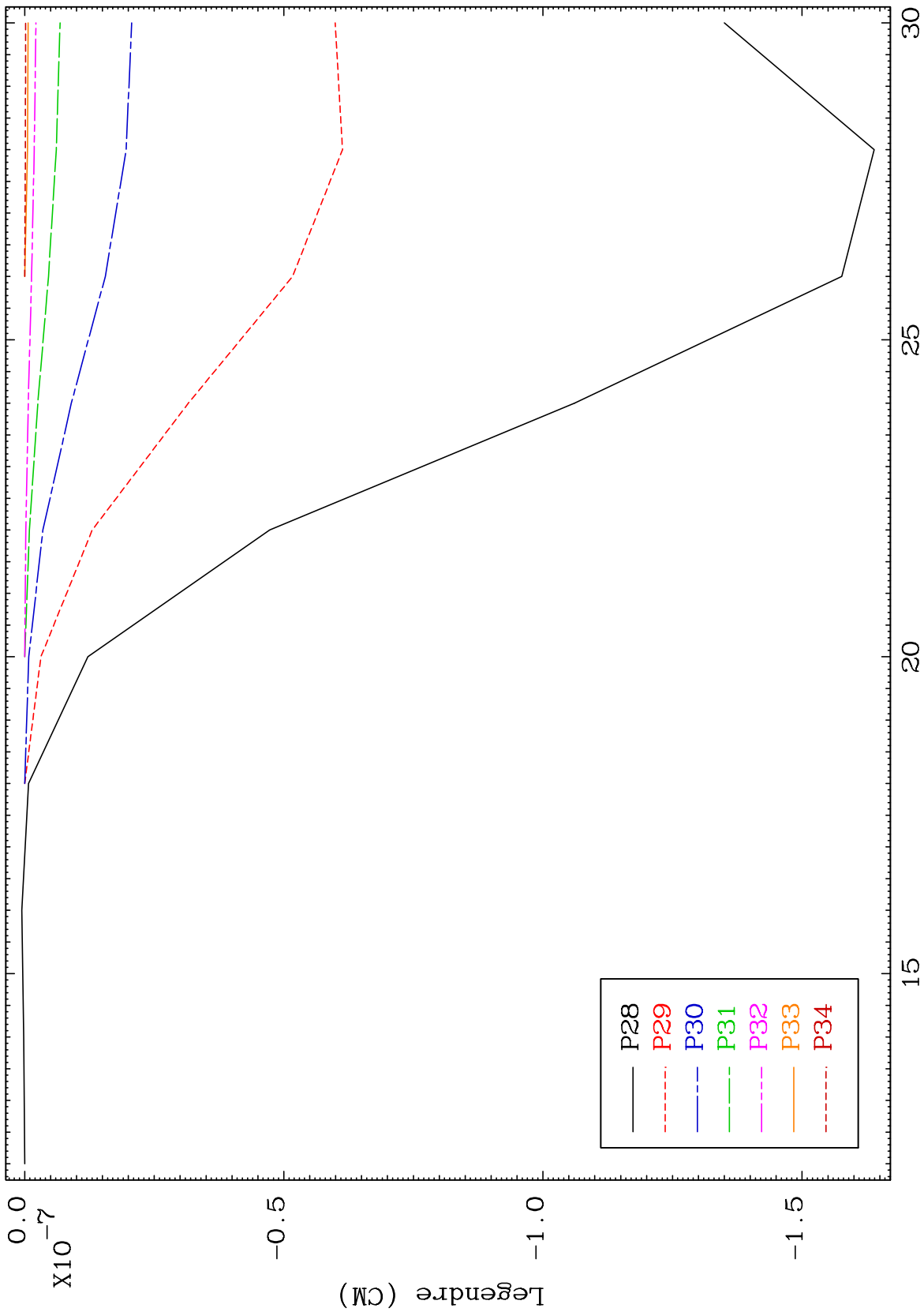
Incident Energy (MeV)

<sup>32</sup>Ge-81

MAT 3258

32-Ge-81

Elastic Legendre Coefficients



Legendre (CM)  
 $\times 10^{-7}$

19

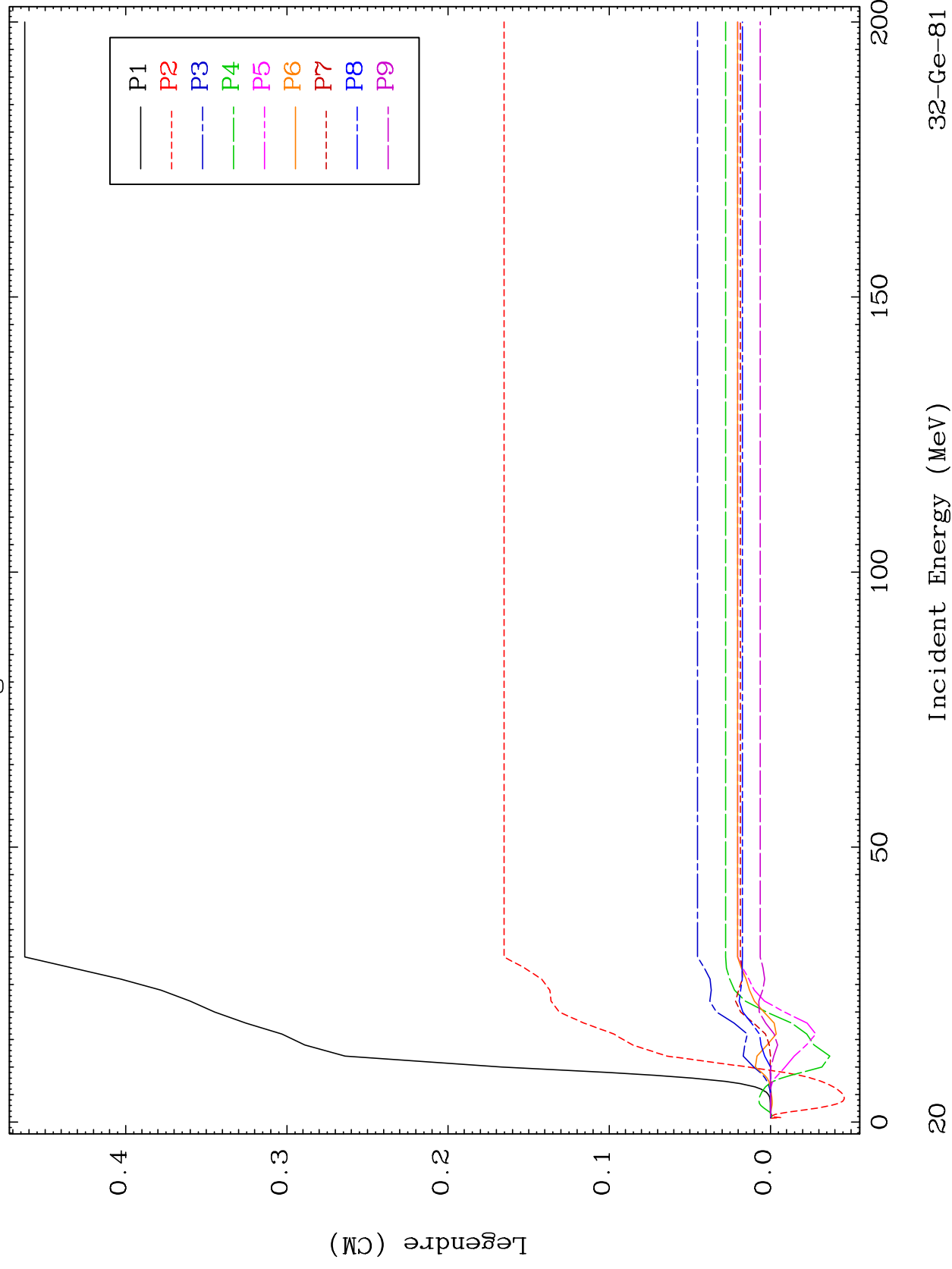
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



32-Ge-81

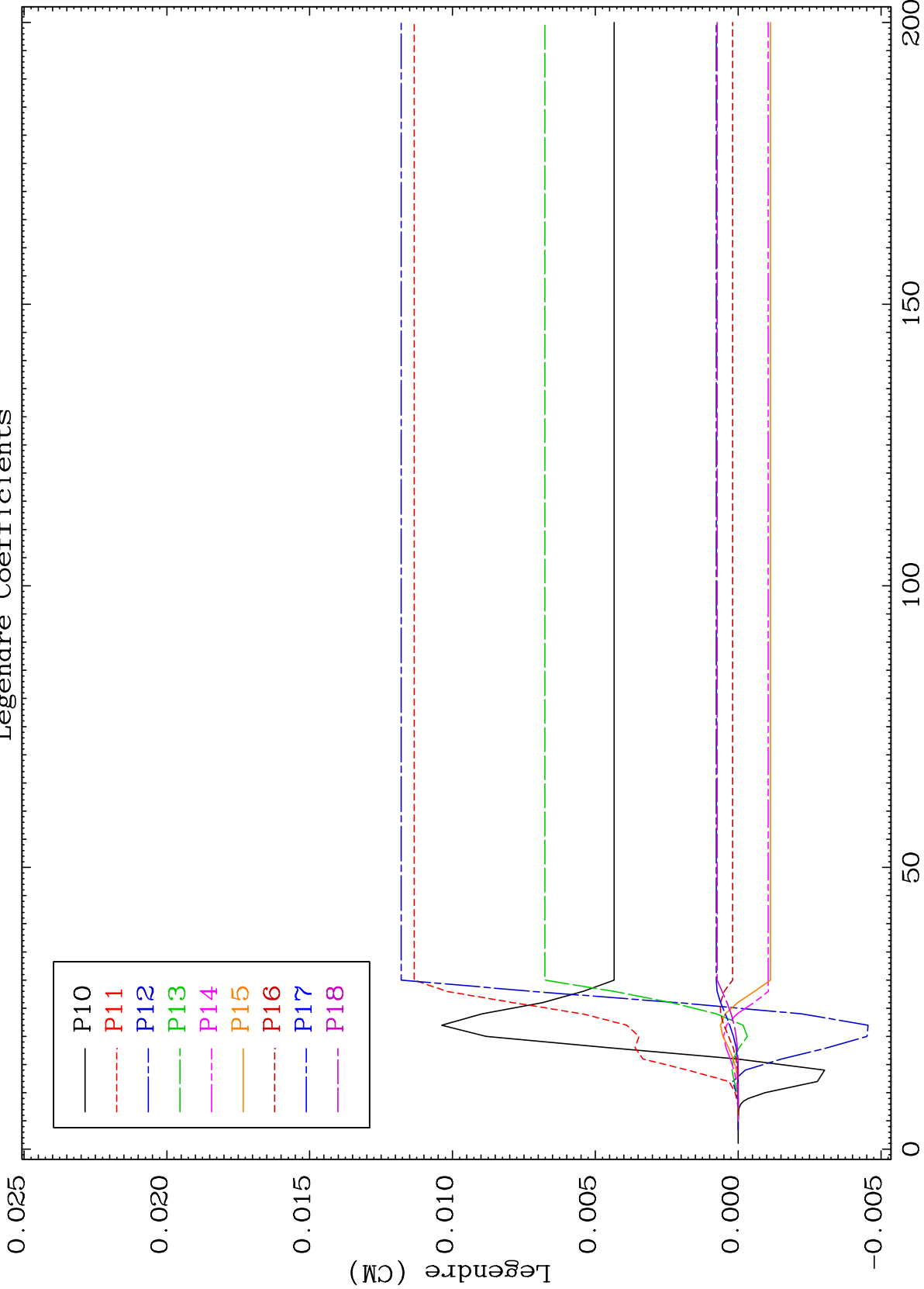
Incident Energy (MeV)

0

MAT 3258

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

32-Ge-81



21

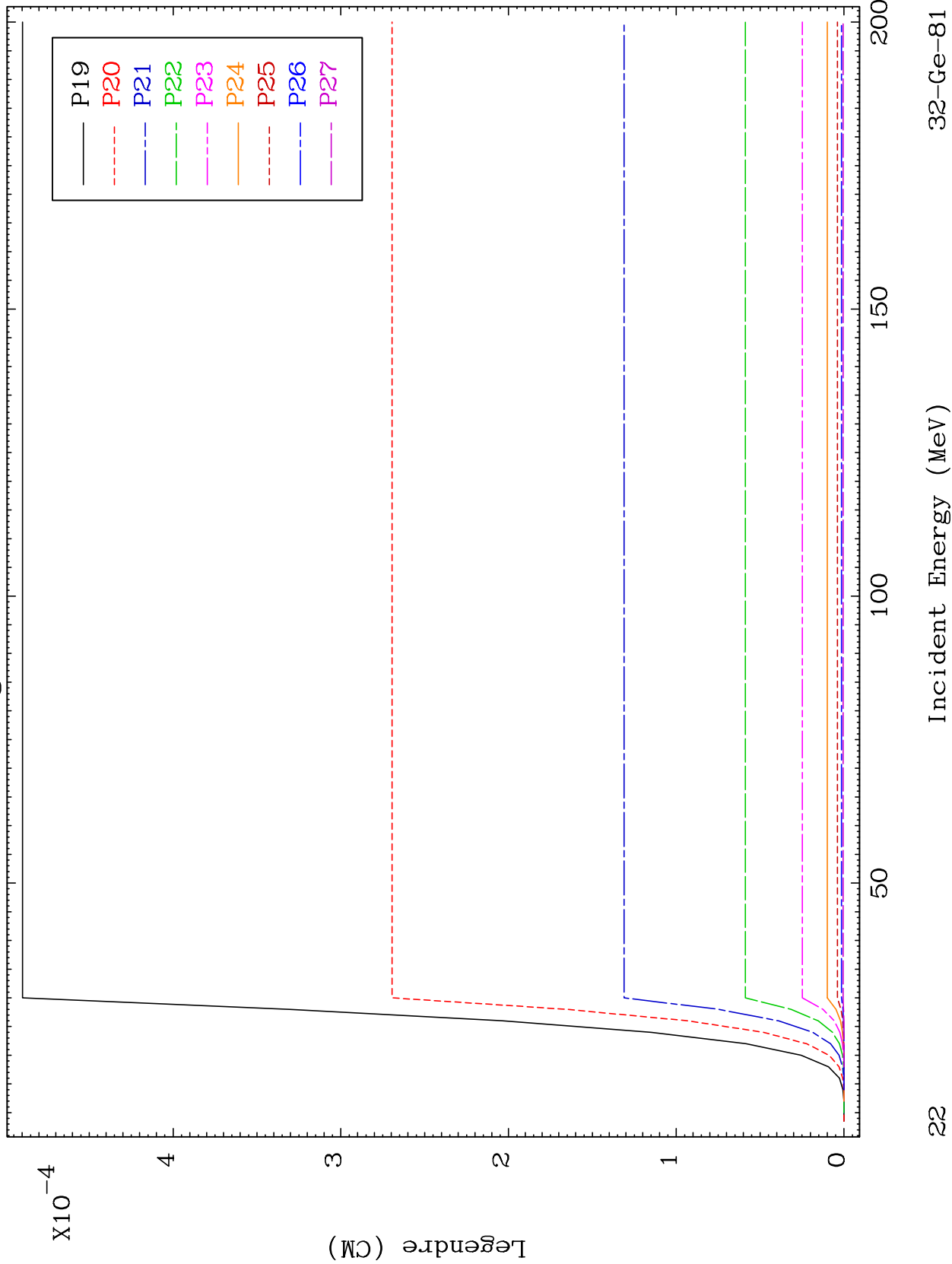
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



22

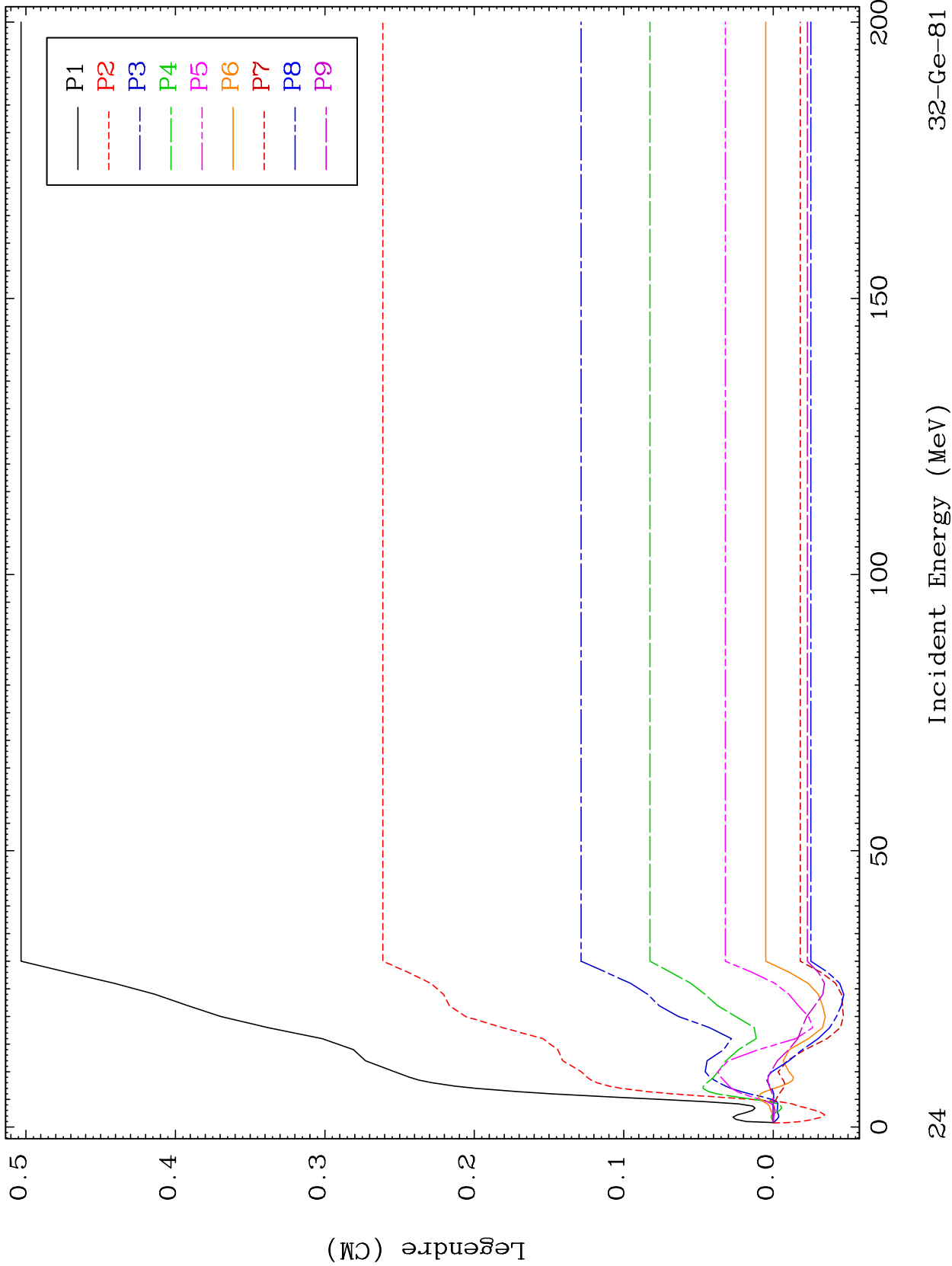




MAT 3258

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

32-Ge-81



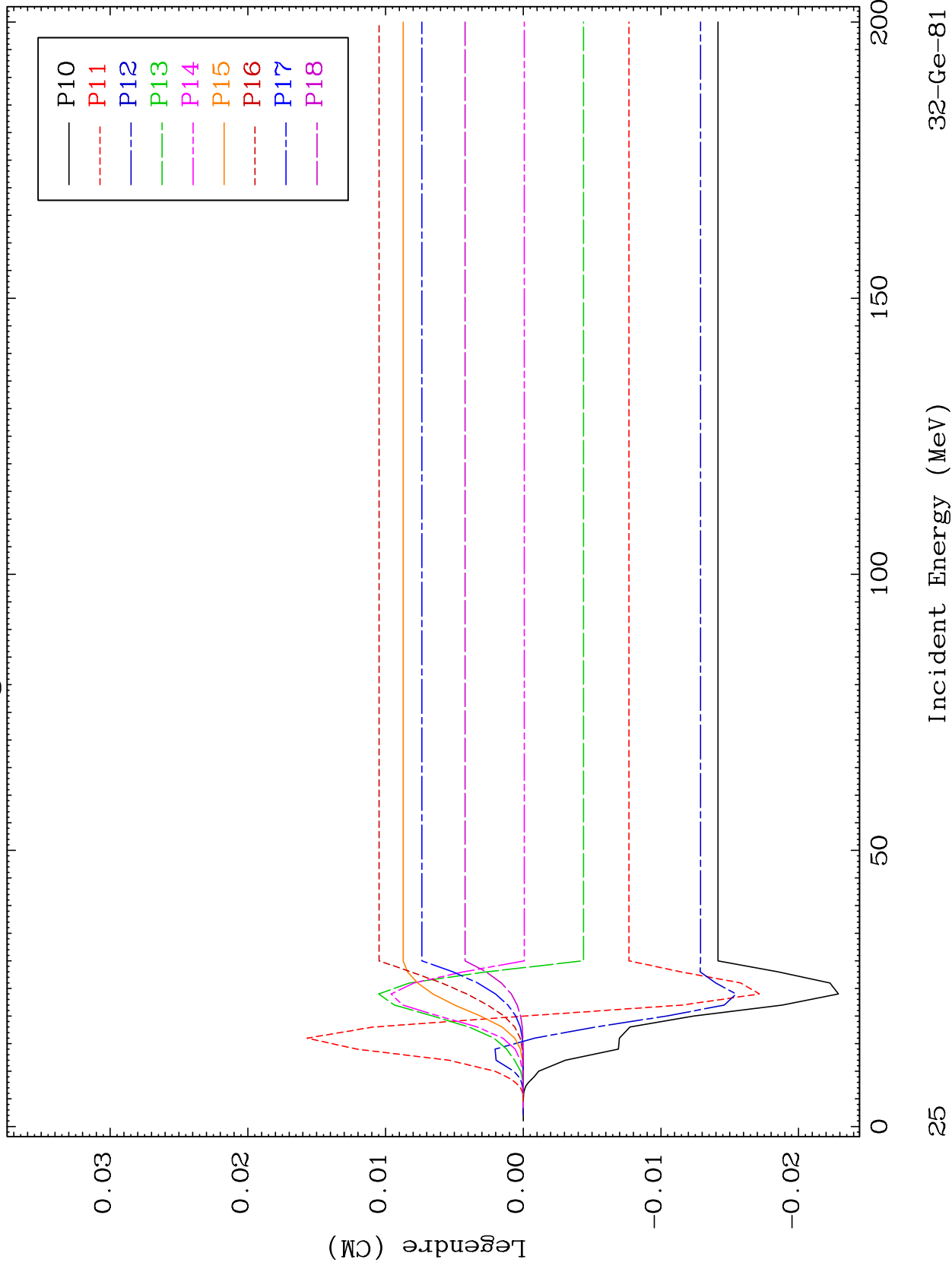
24

32-Ge-81

MAT 3258

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

32-Ge-81



32-Ge-81

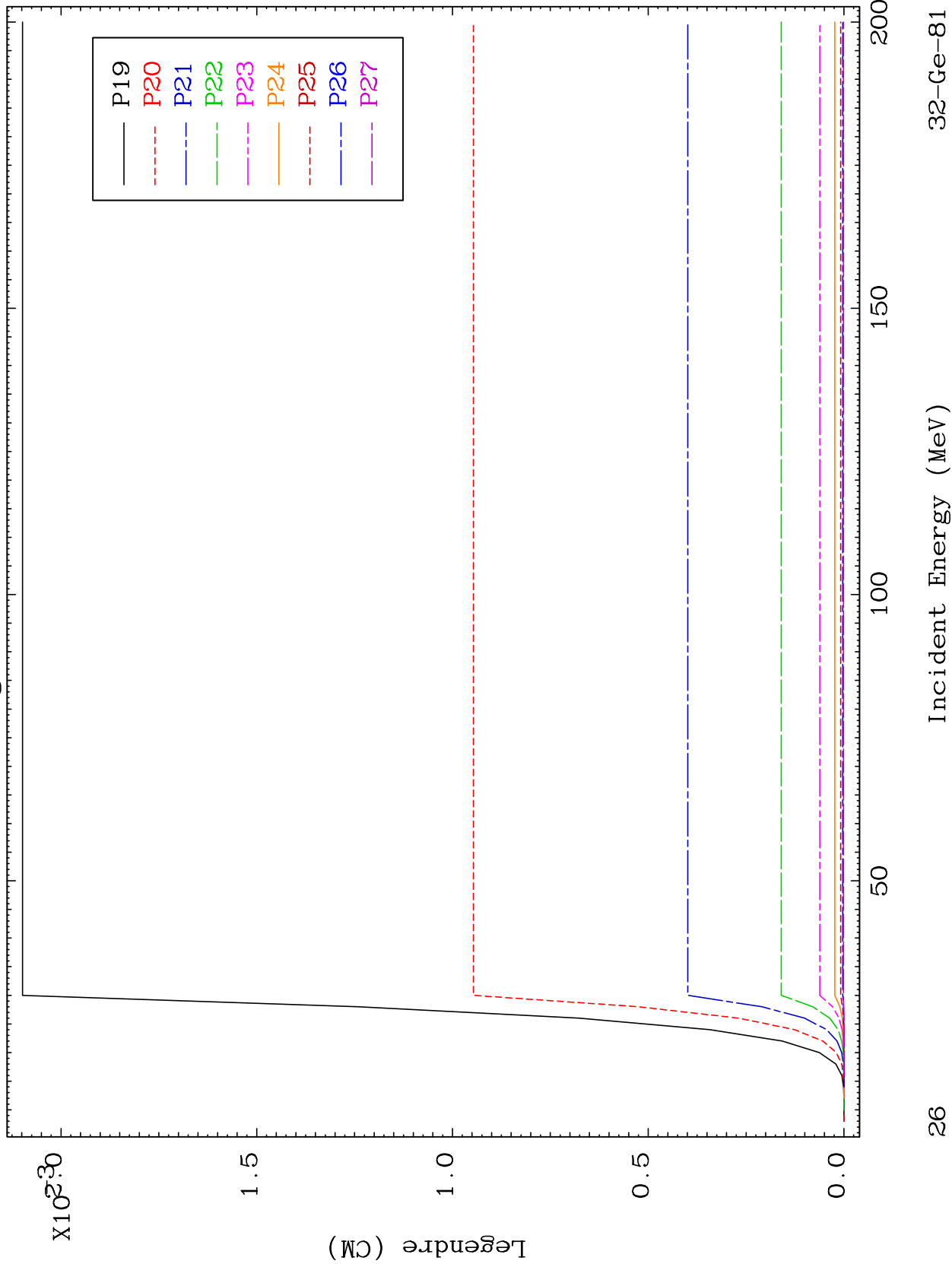
Incident Energy (MeV)

25

MAT 3258

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

32-Ge-81



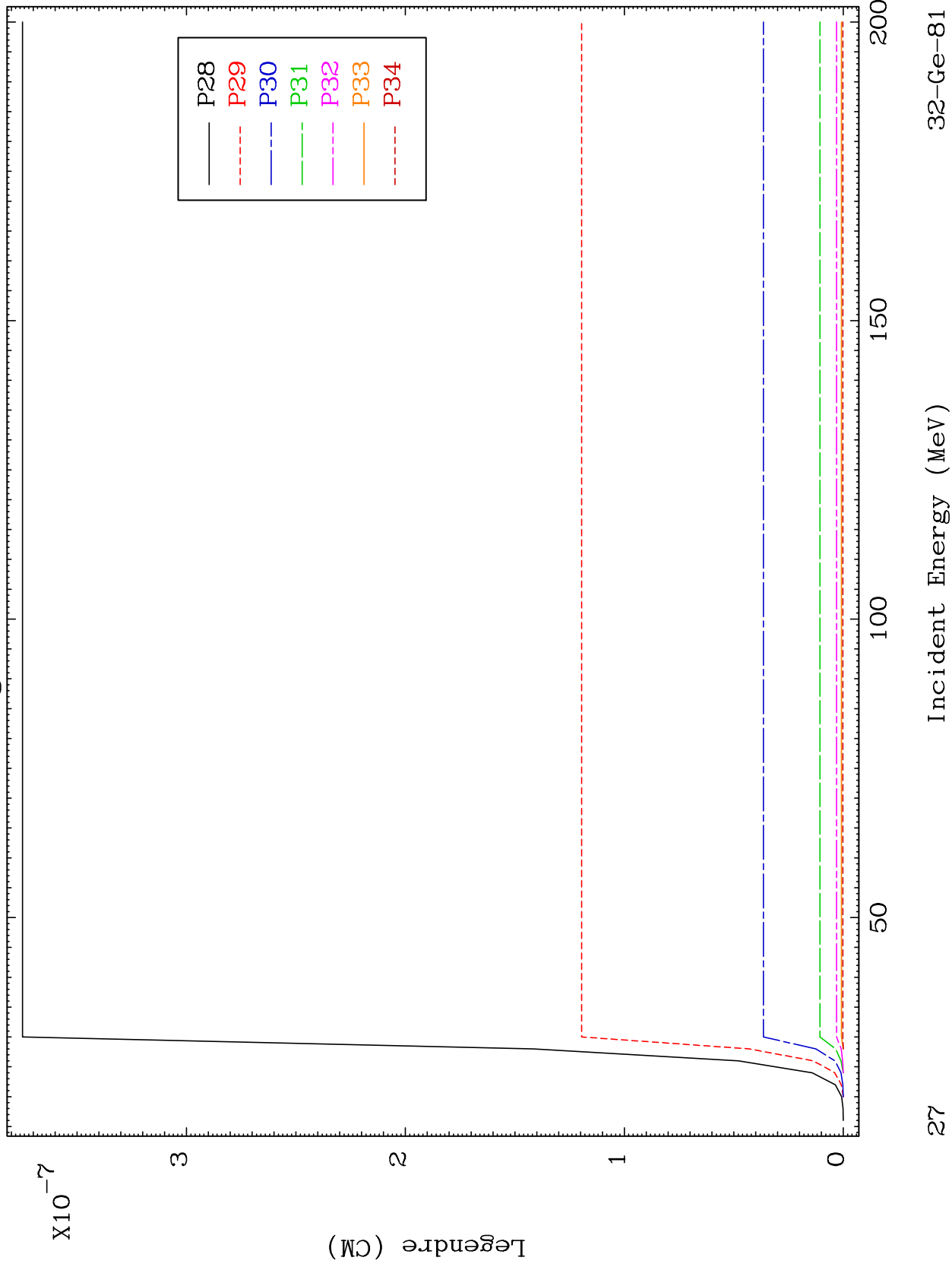
26

32-Ge-81

MAT 3258

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

32-Ge-81

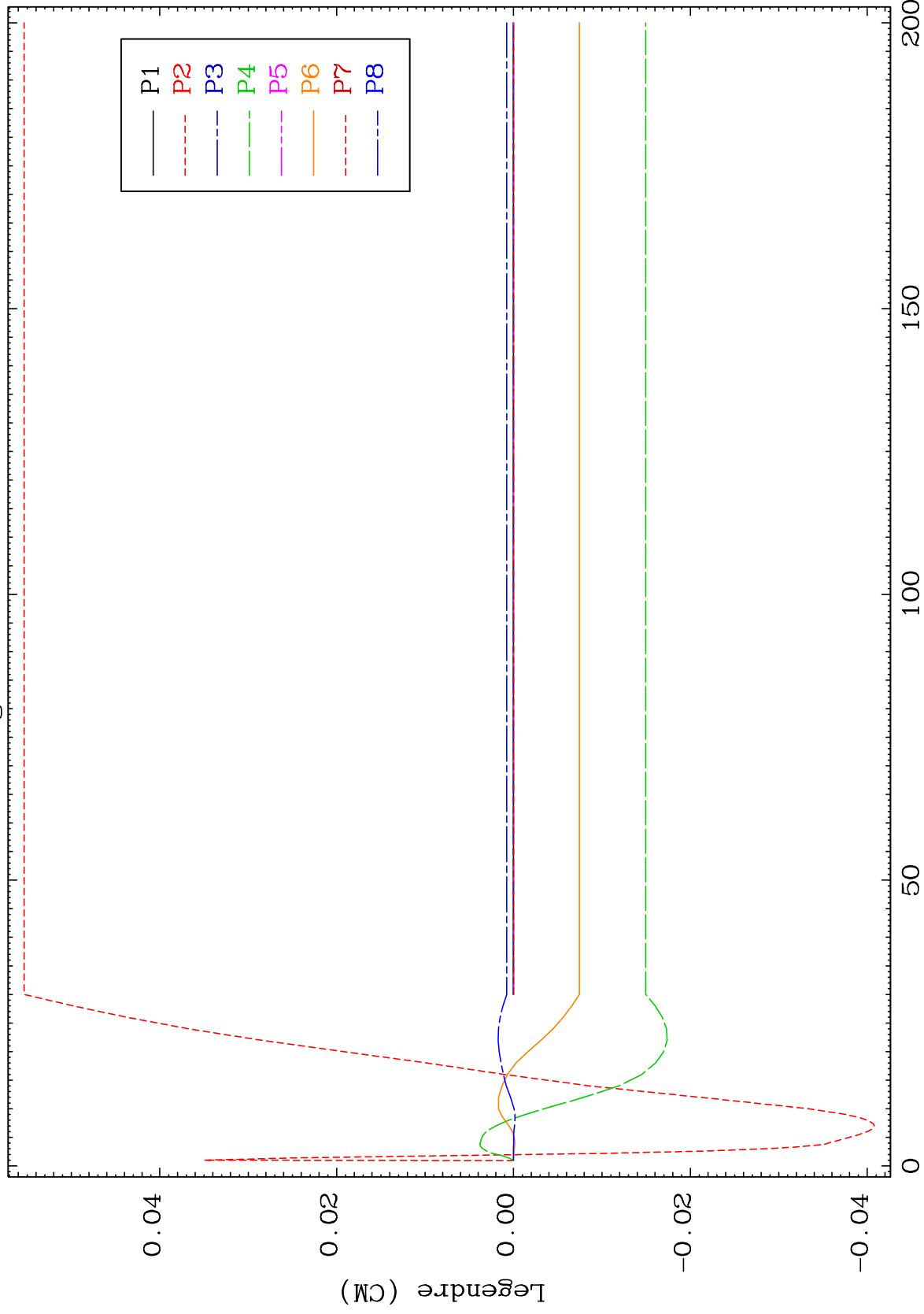


27

MAT 3258

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

32-Ge-81



32-Ge-81

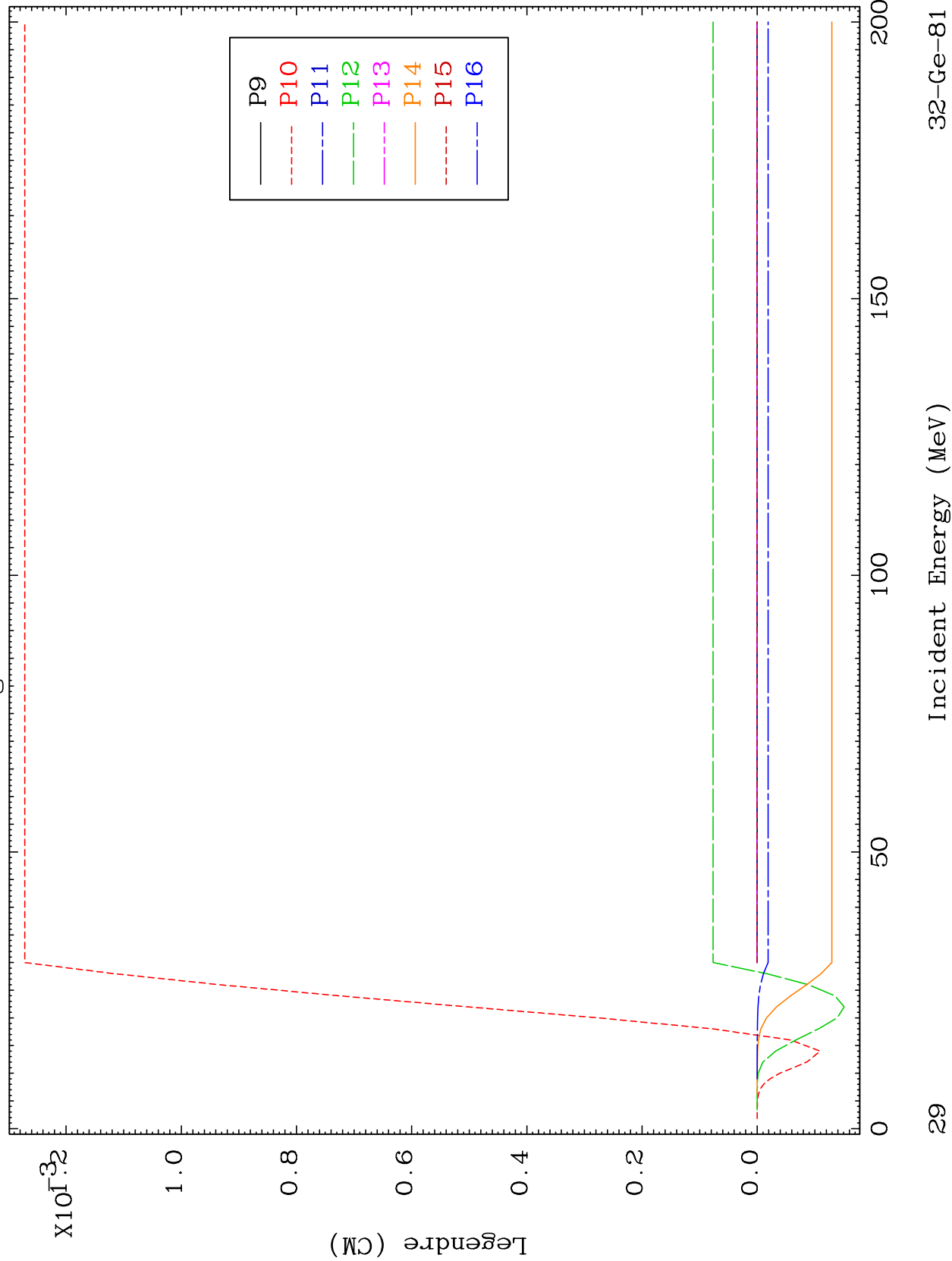
Incident Energy (MeV)

28

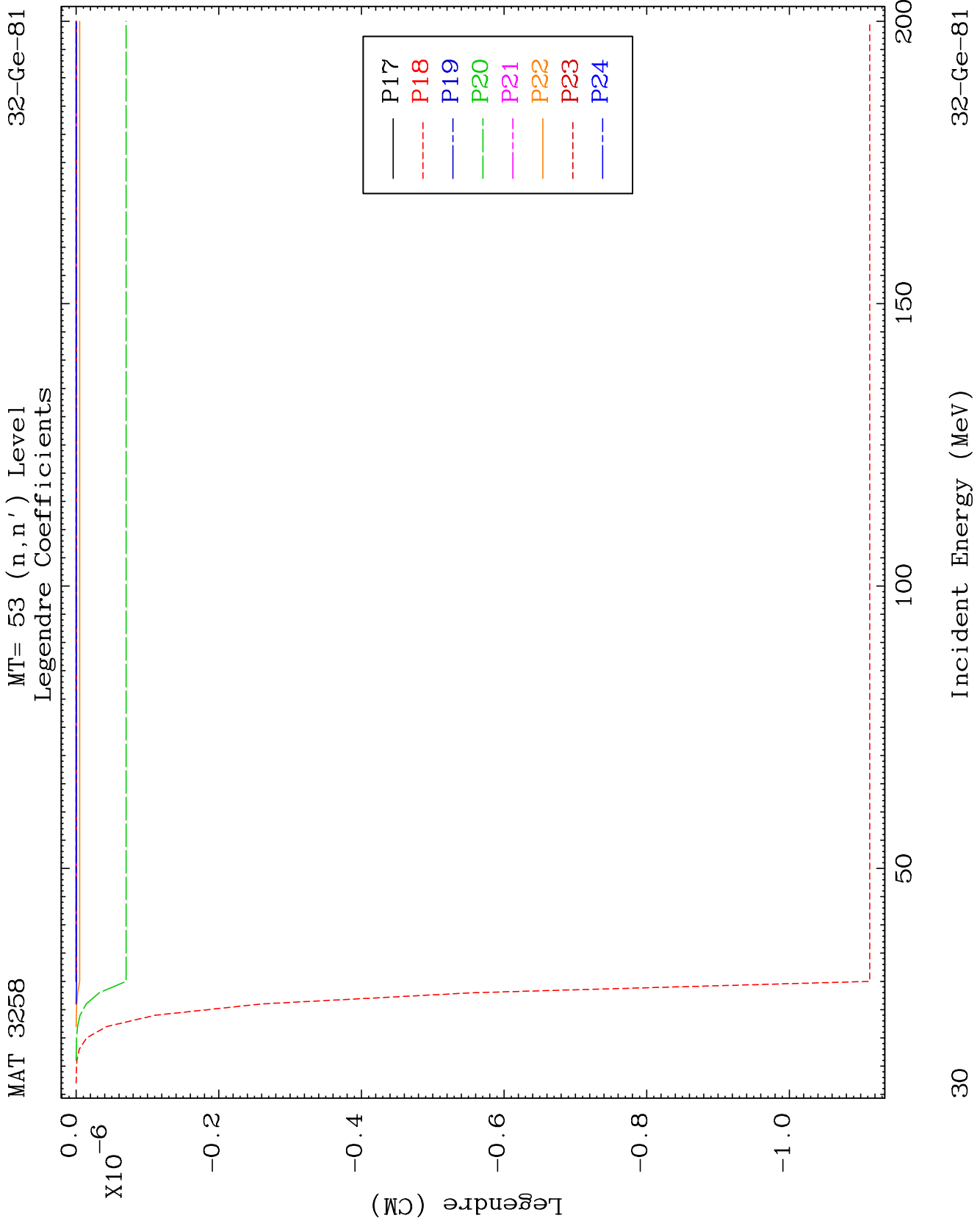
MAT 3258

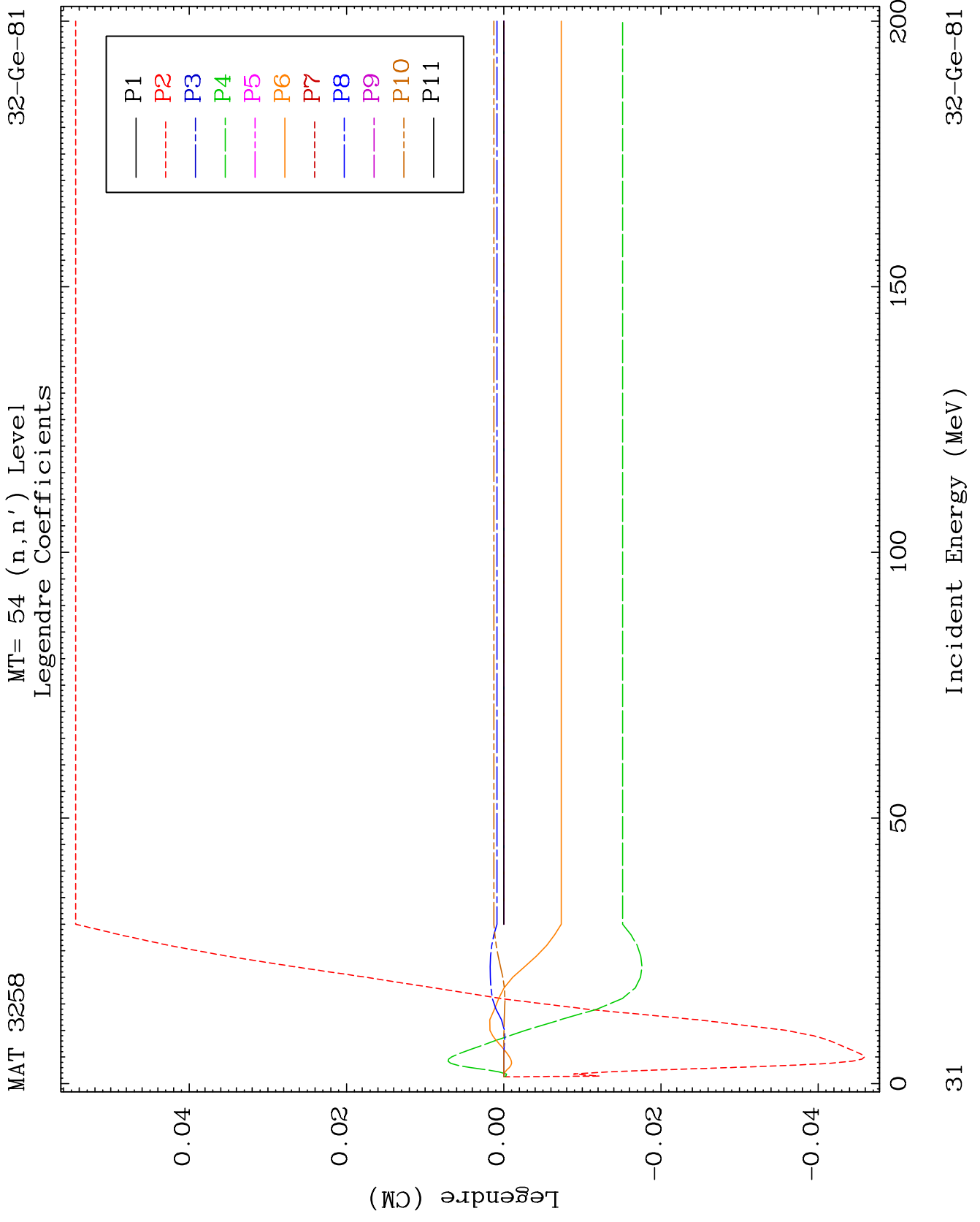
MT= 53 (n,n') Level  
Legendre Coefficients

32-Ge-81



29



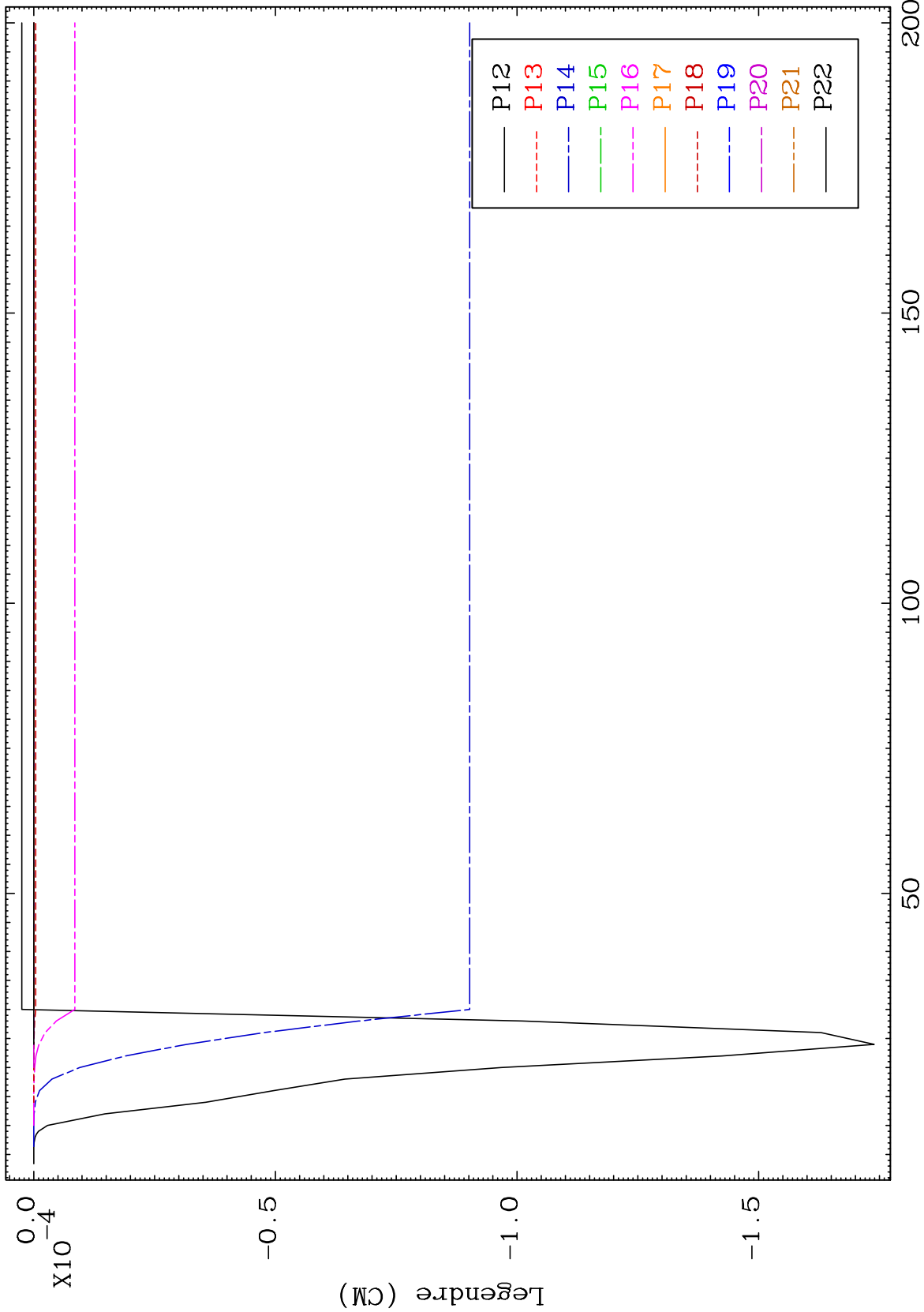




MAT 3258

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

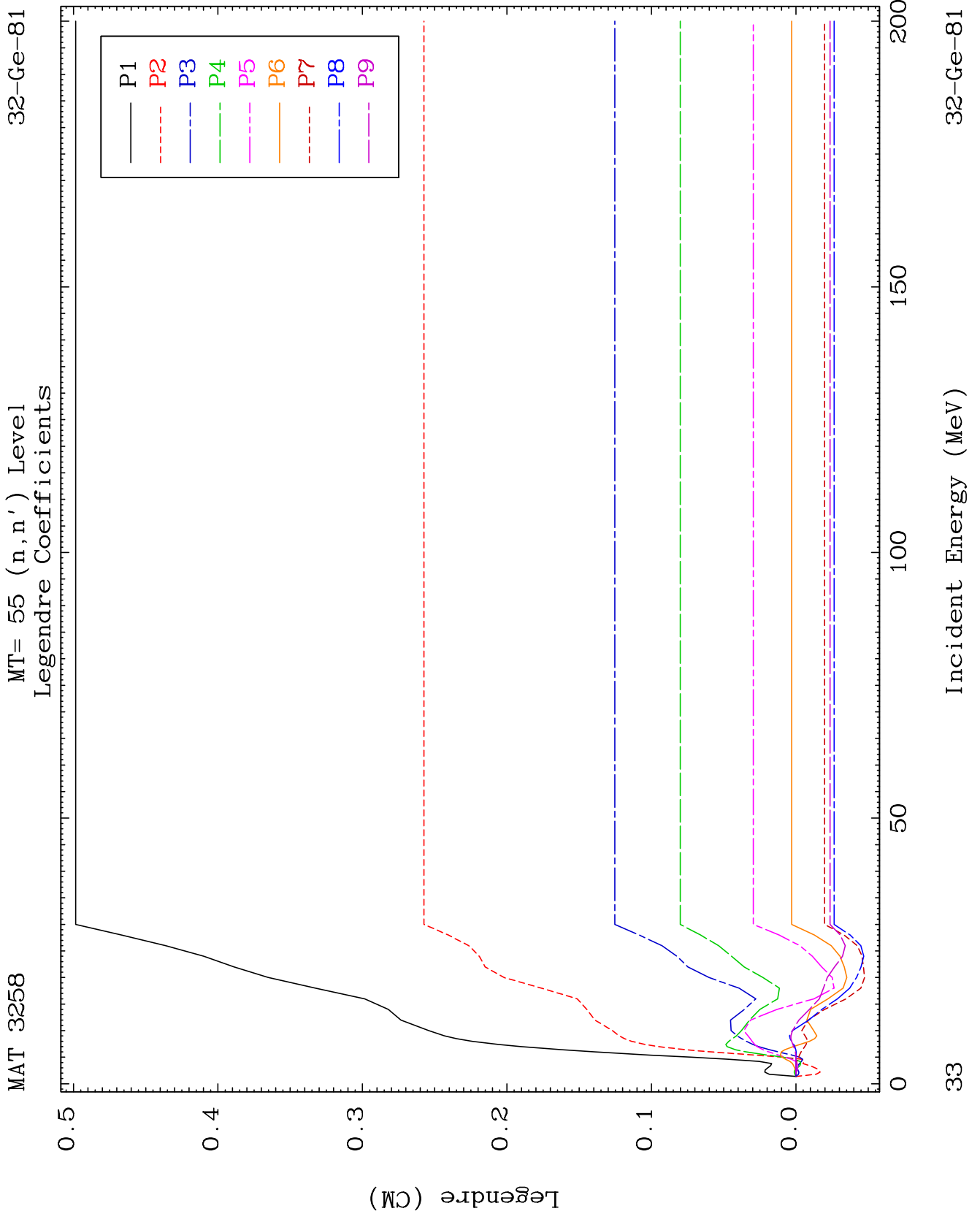
32-Ge-81



32

Incident Energy (MeV)

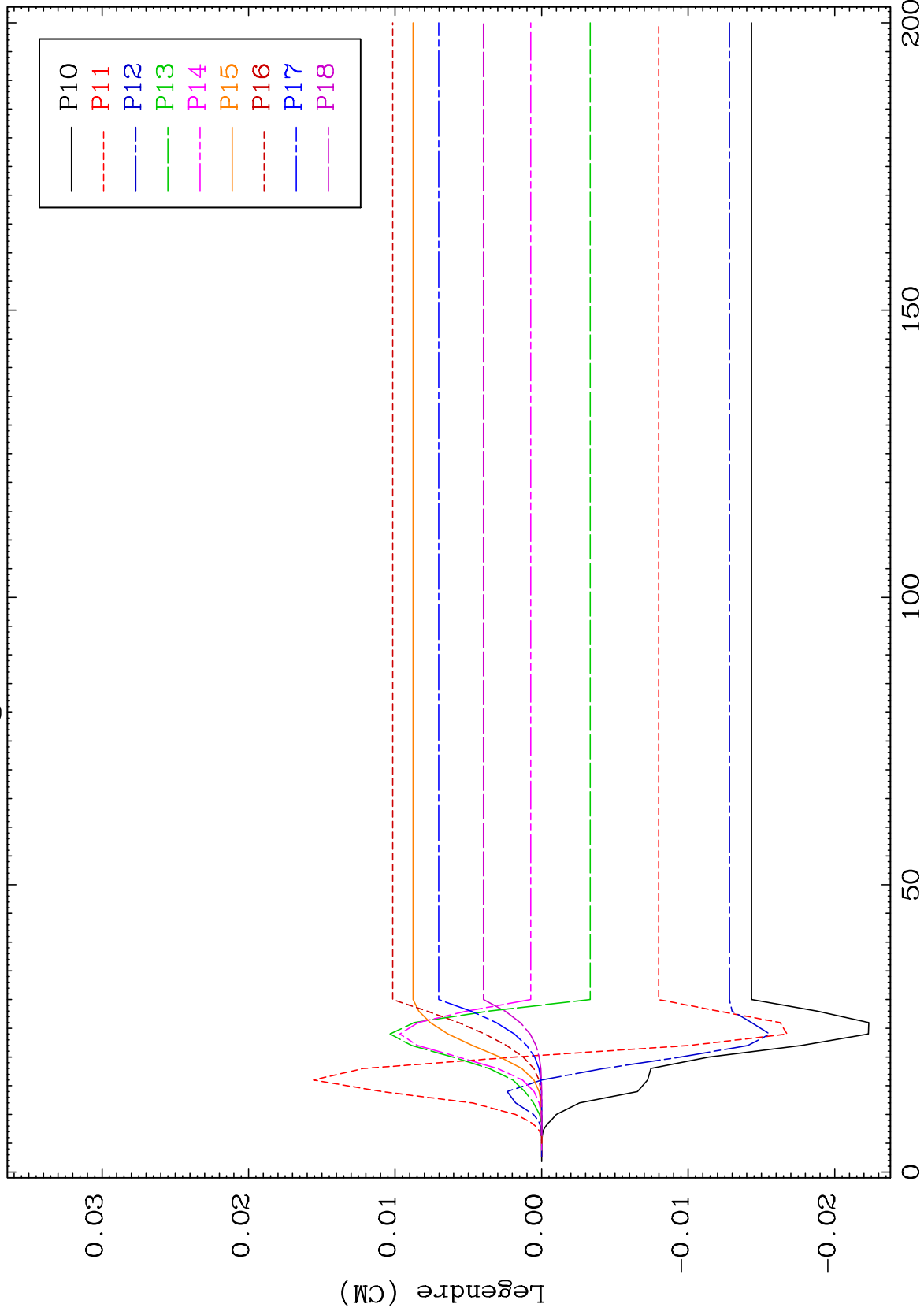
32-Ge-81



MAT 3258

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

32-Ge-81



34

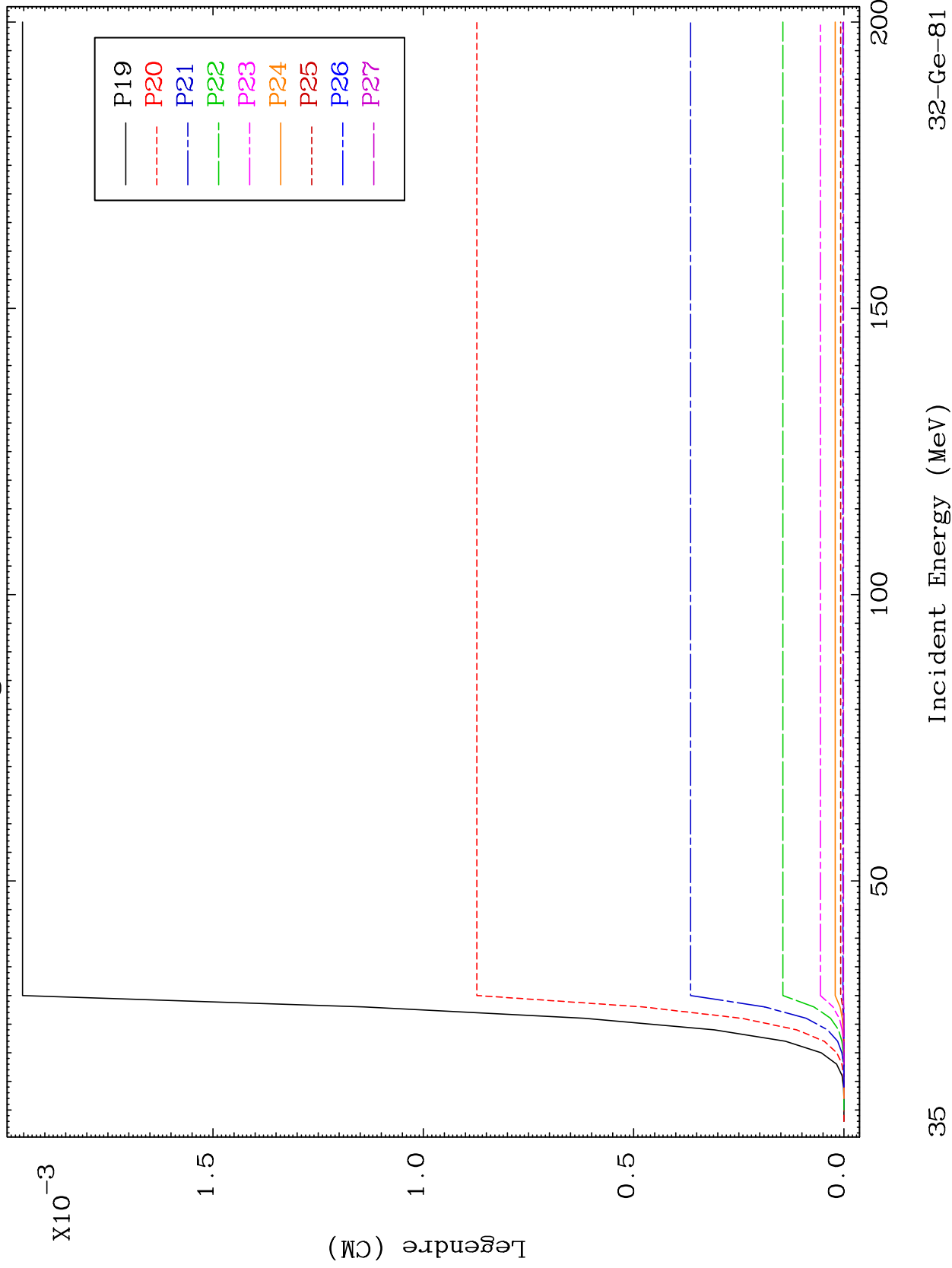
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

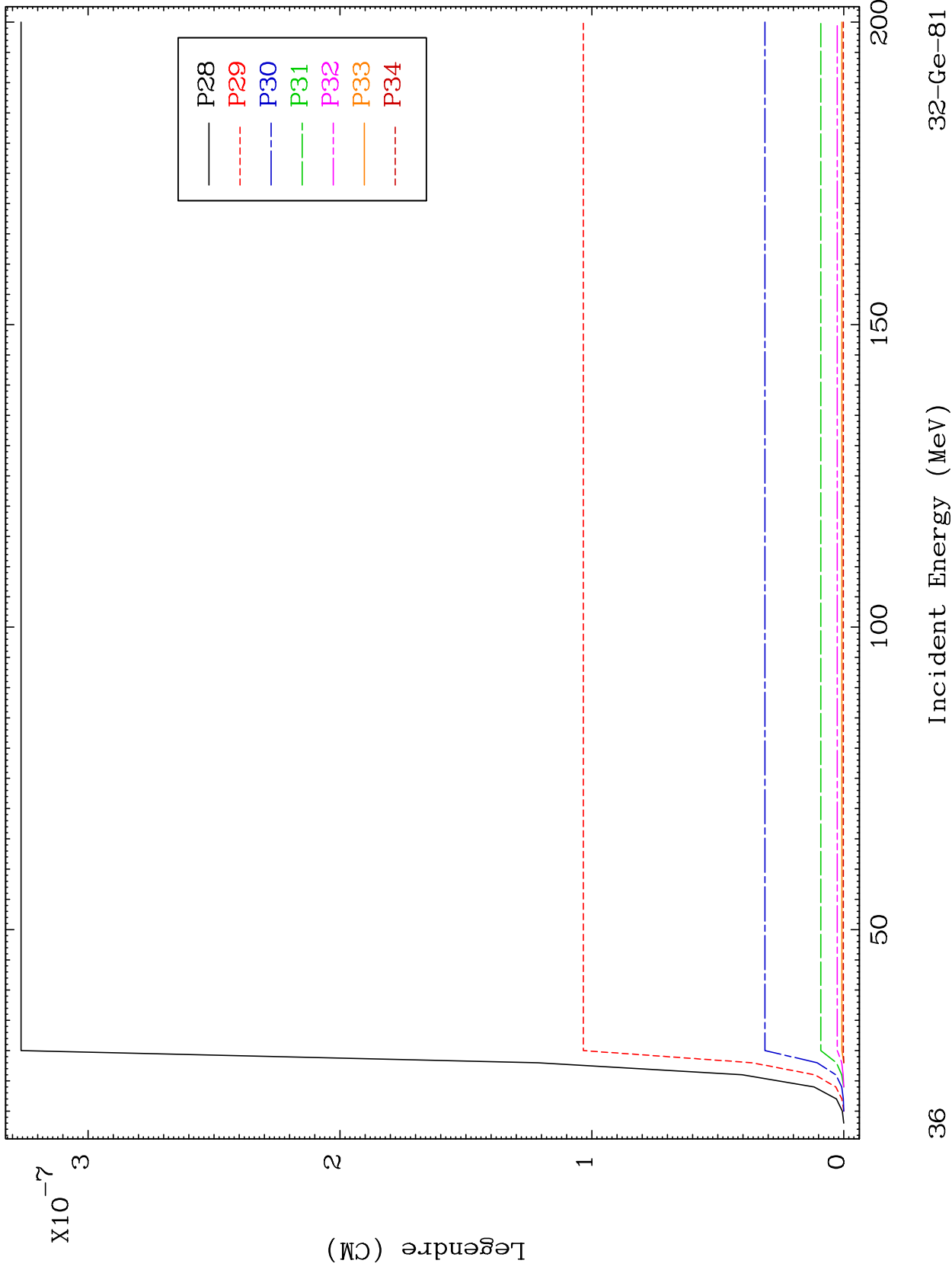
32-Ge-81



MAT 3258

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

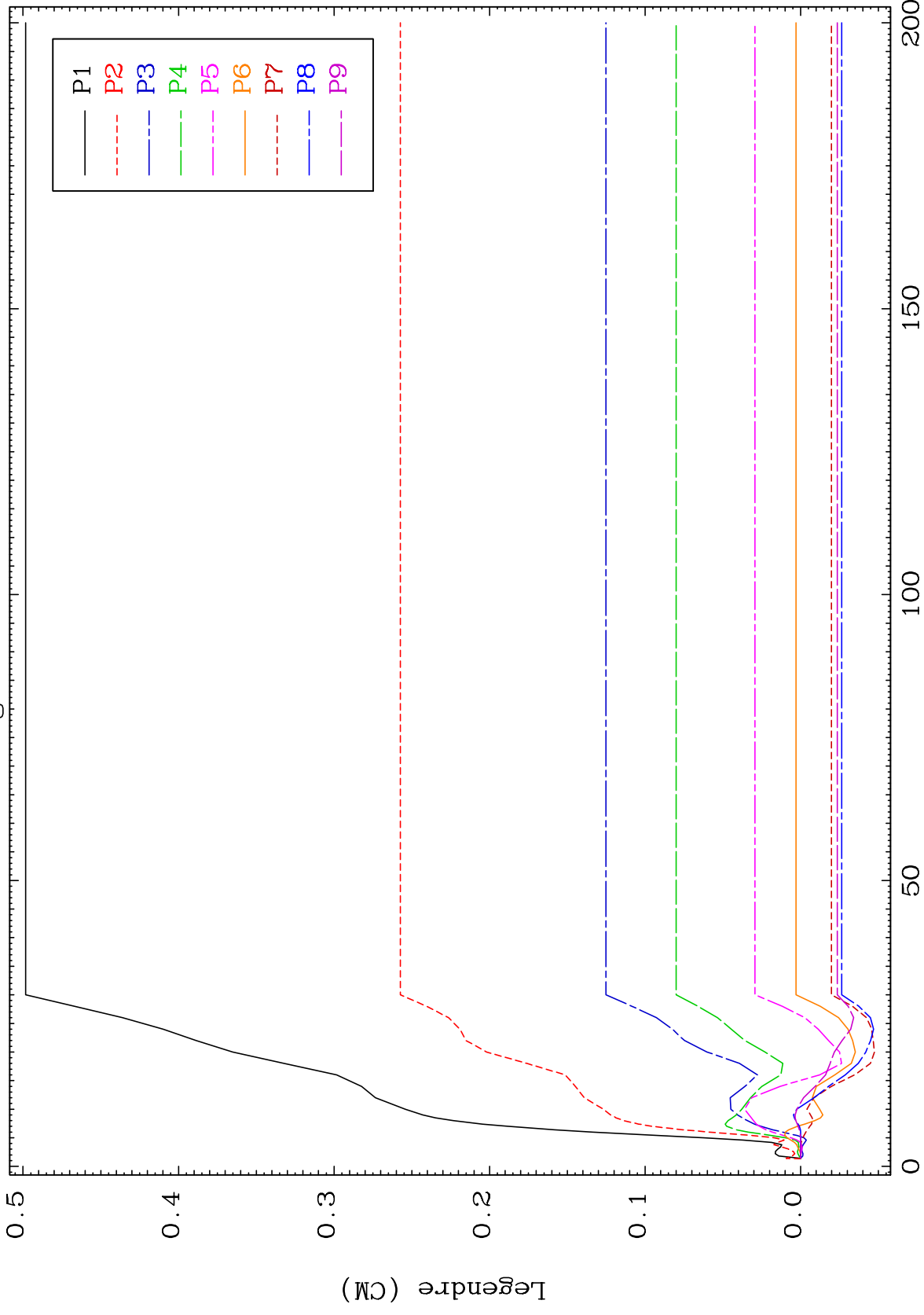
32-Ge-81



MAT 3258

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

32-Ge-81



37

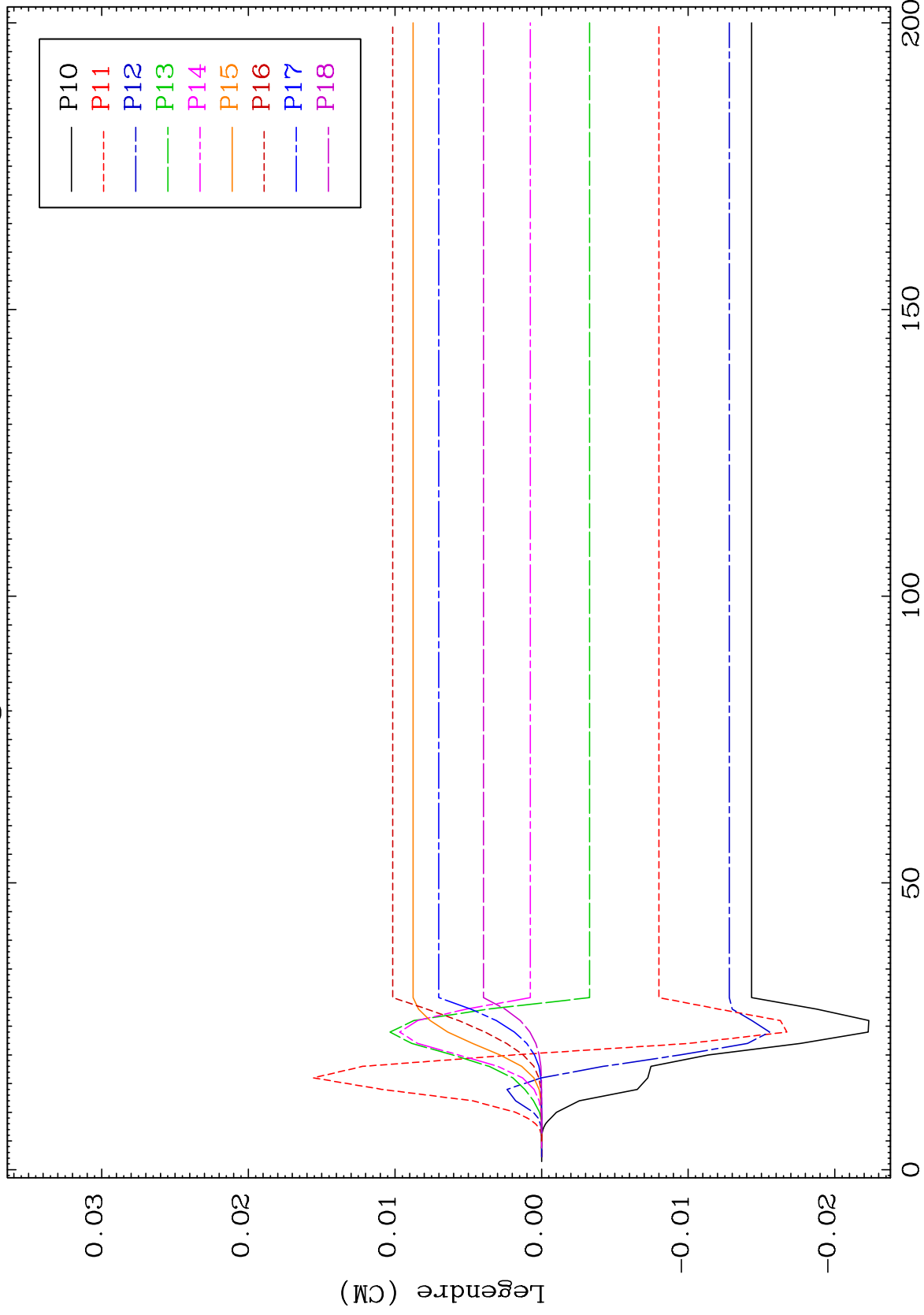
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



38

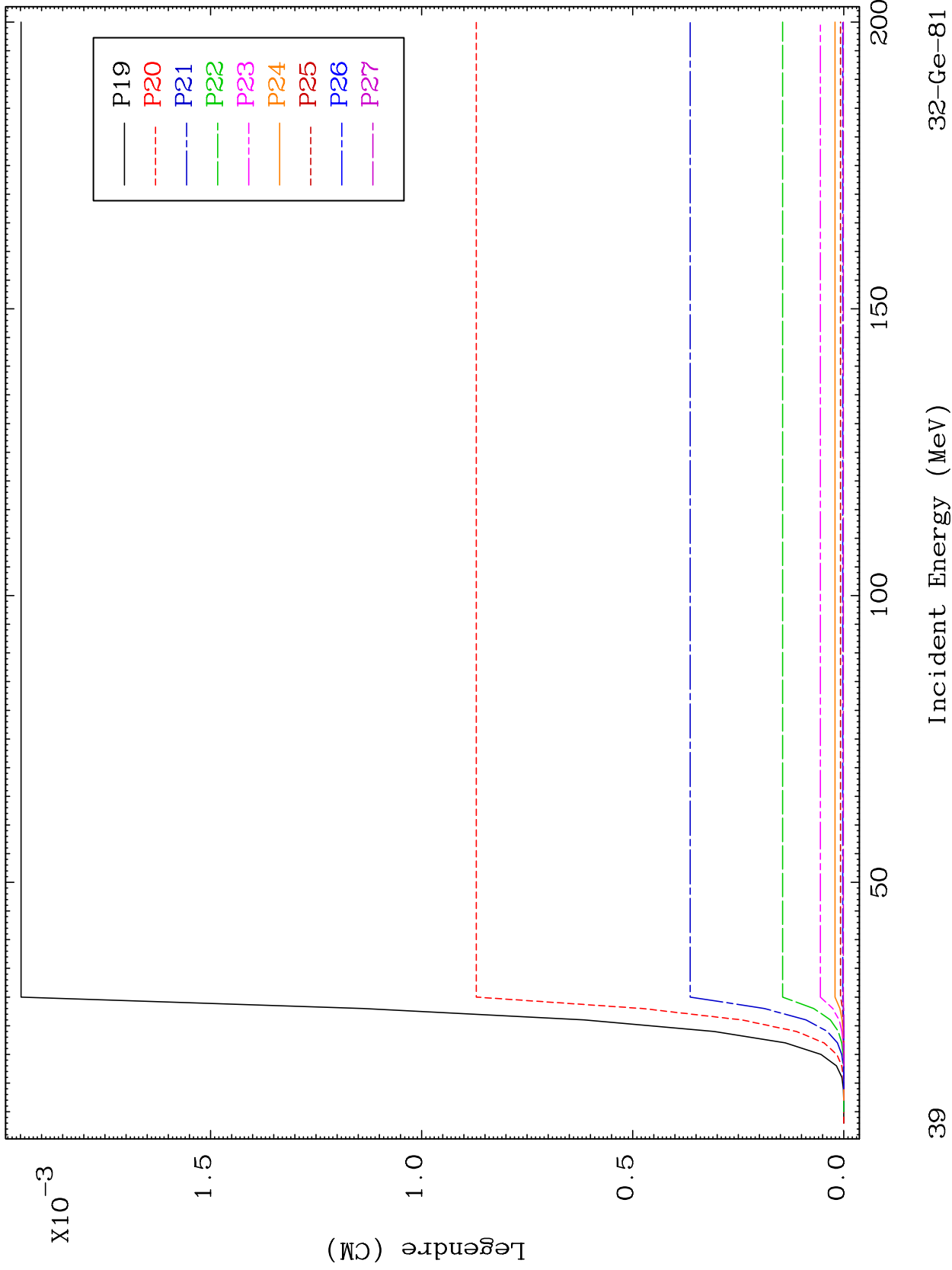
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



39

Incident Energy (MeV)

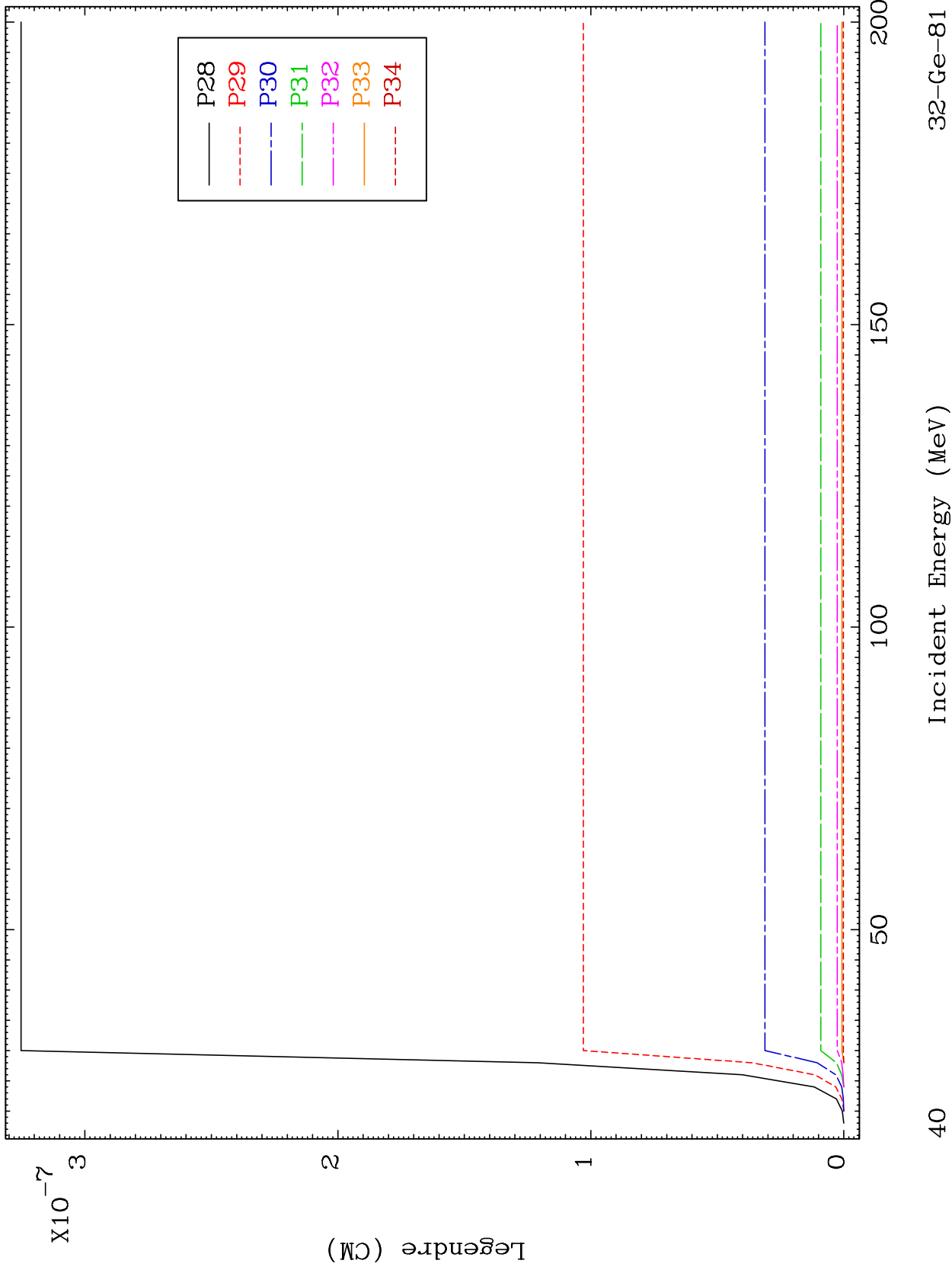
32-Ge-81



MAT 3258

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

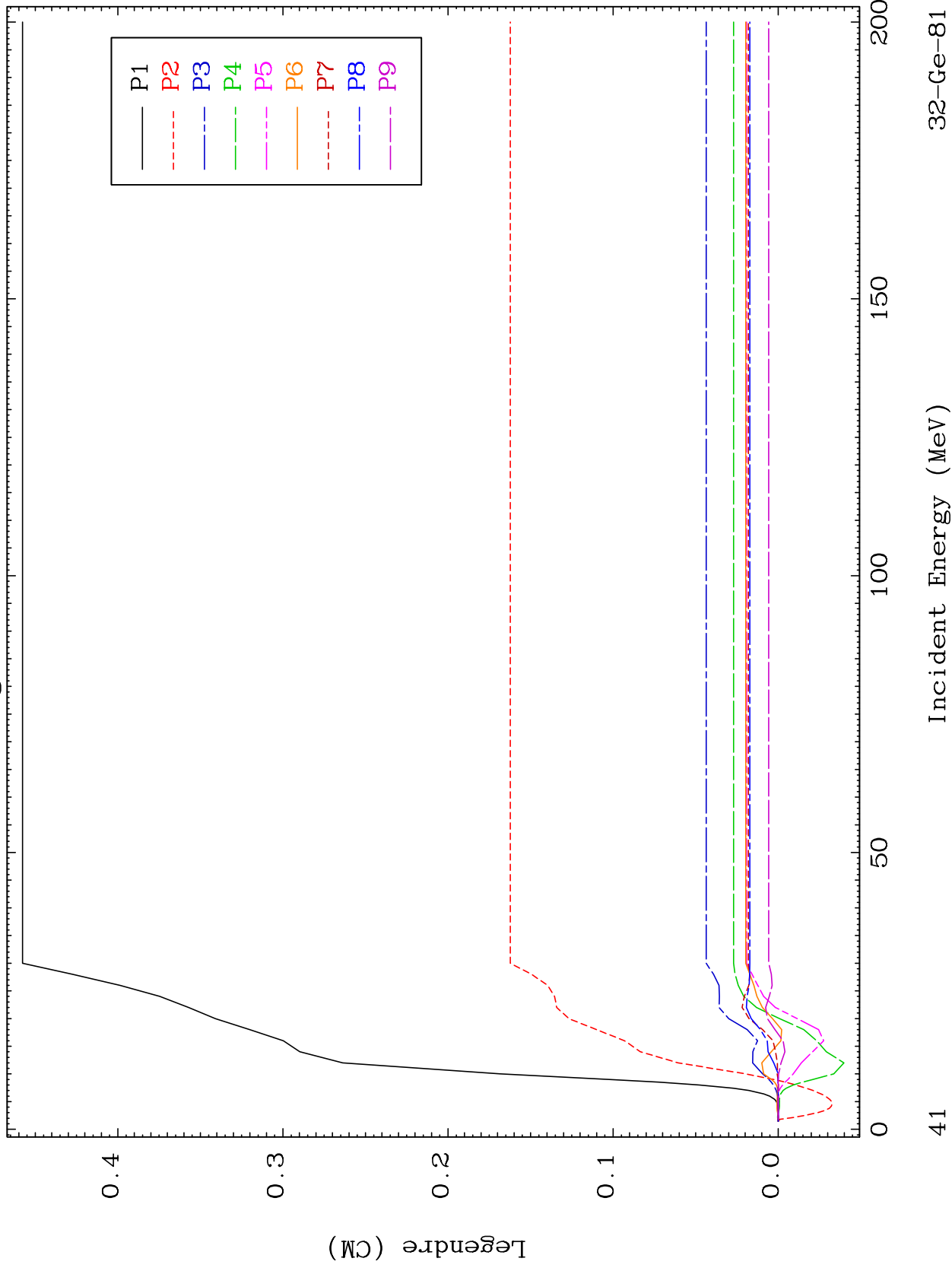
32-Ge-81



MAT 3258

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

32-Ge-81



32-Ge-81

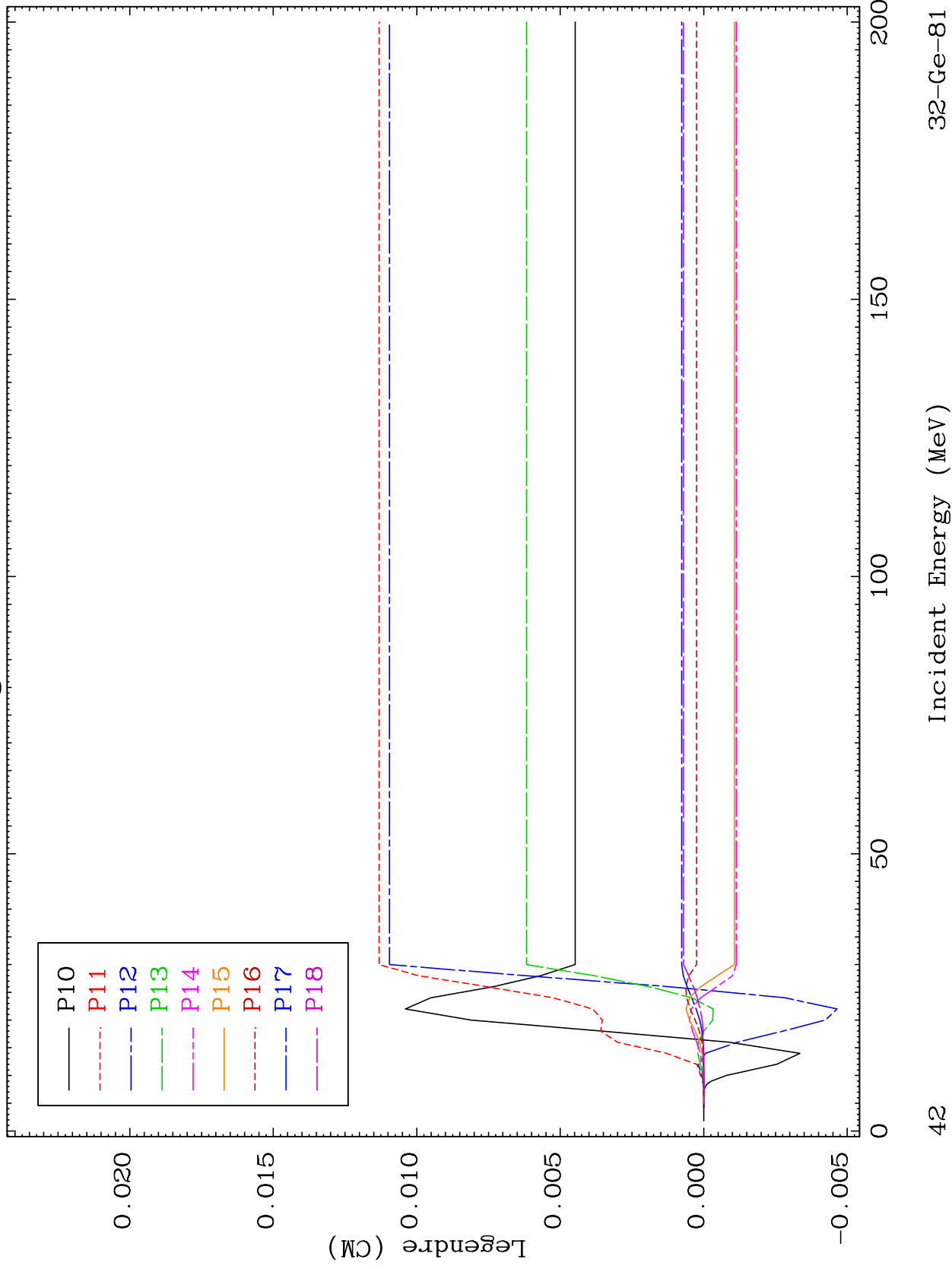
Incident Energy (MeV)

41

MAT 3258

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

32-Ge-81



42

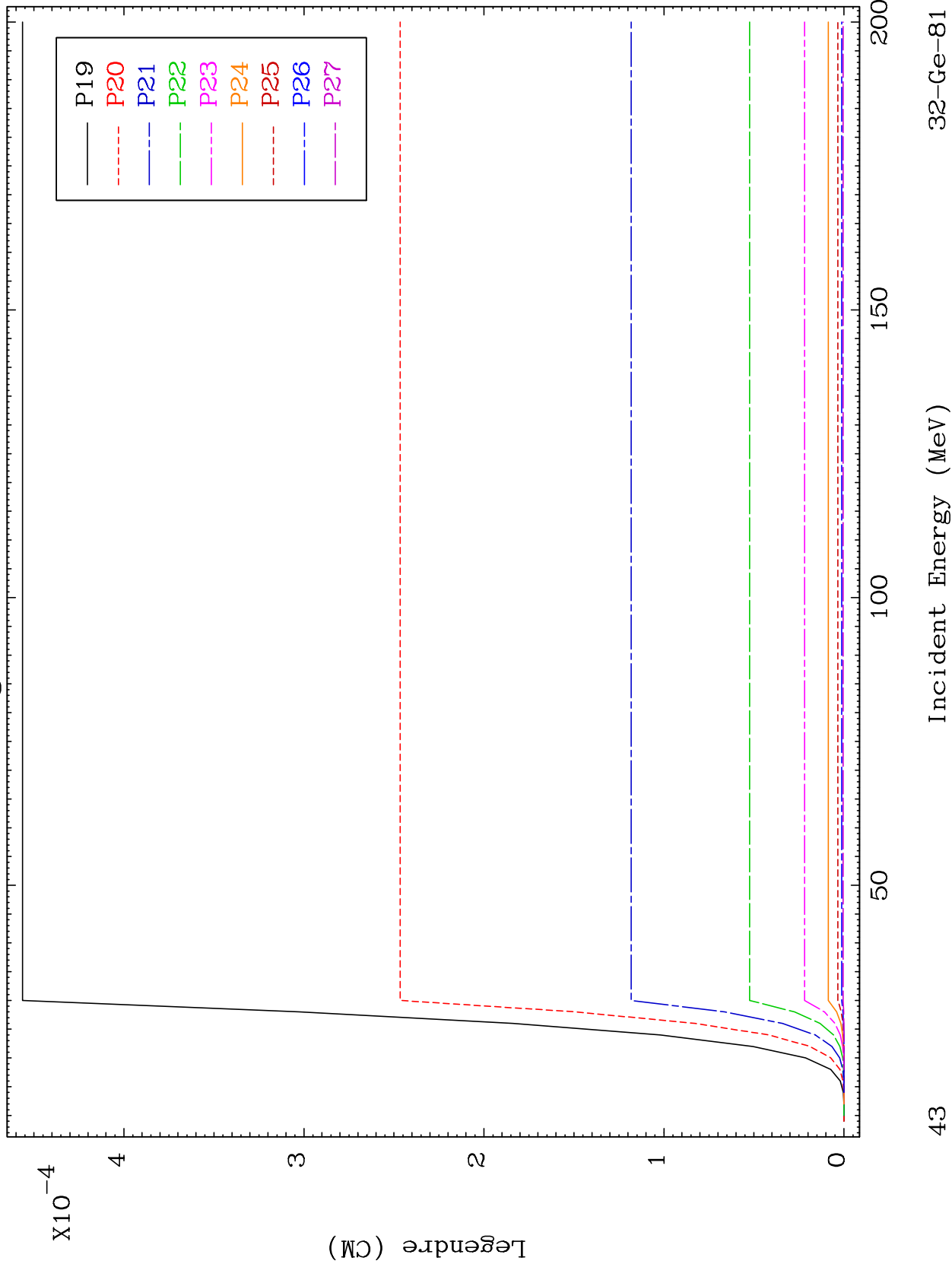
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

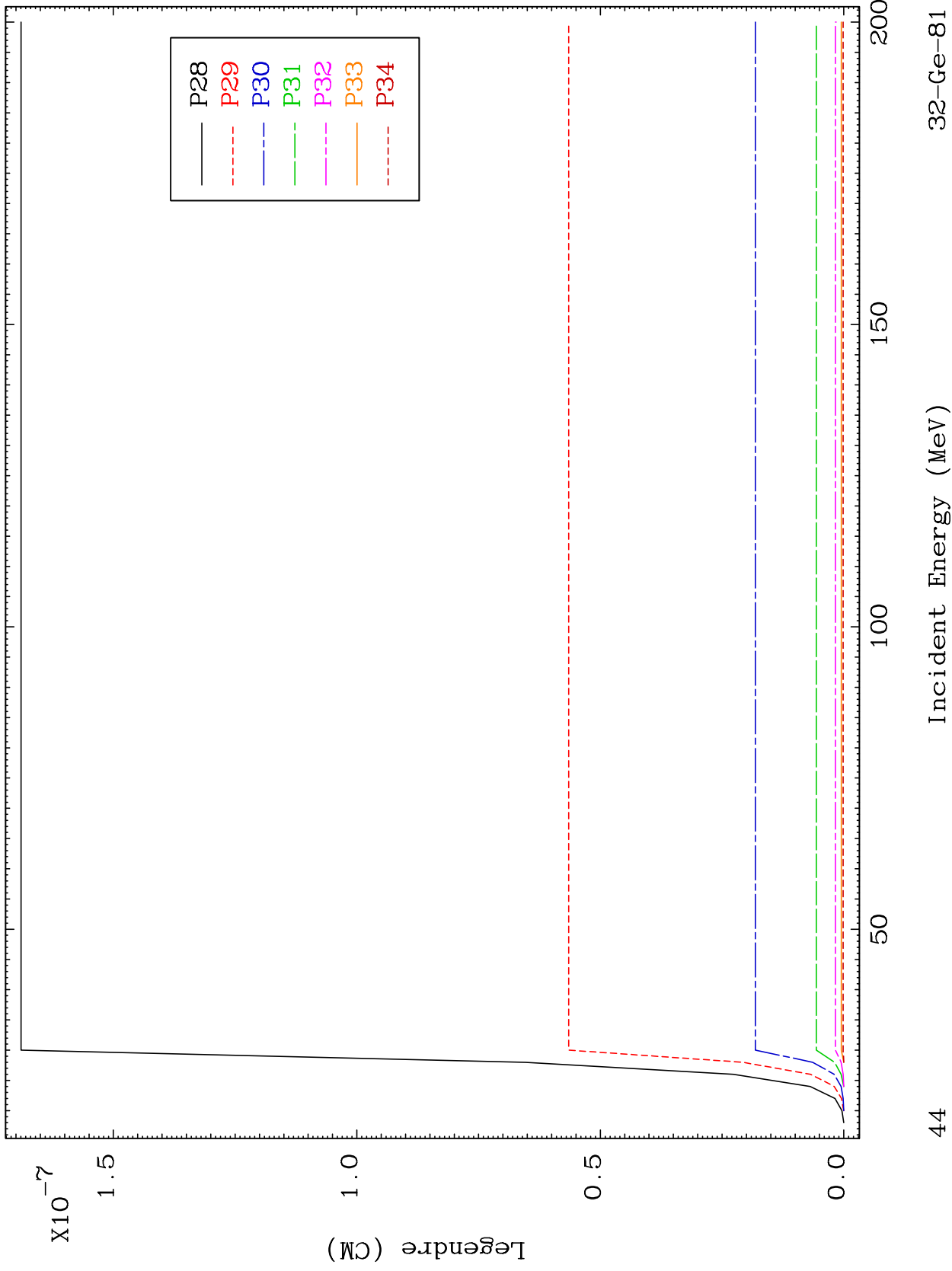
32-Ge-81



MAT 3258

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

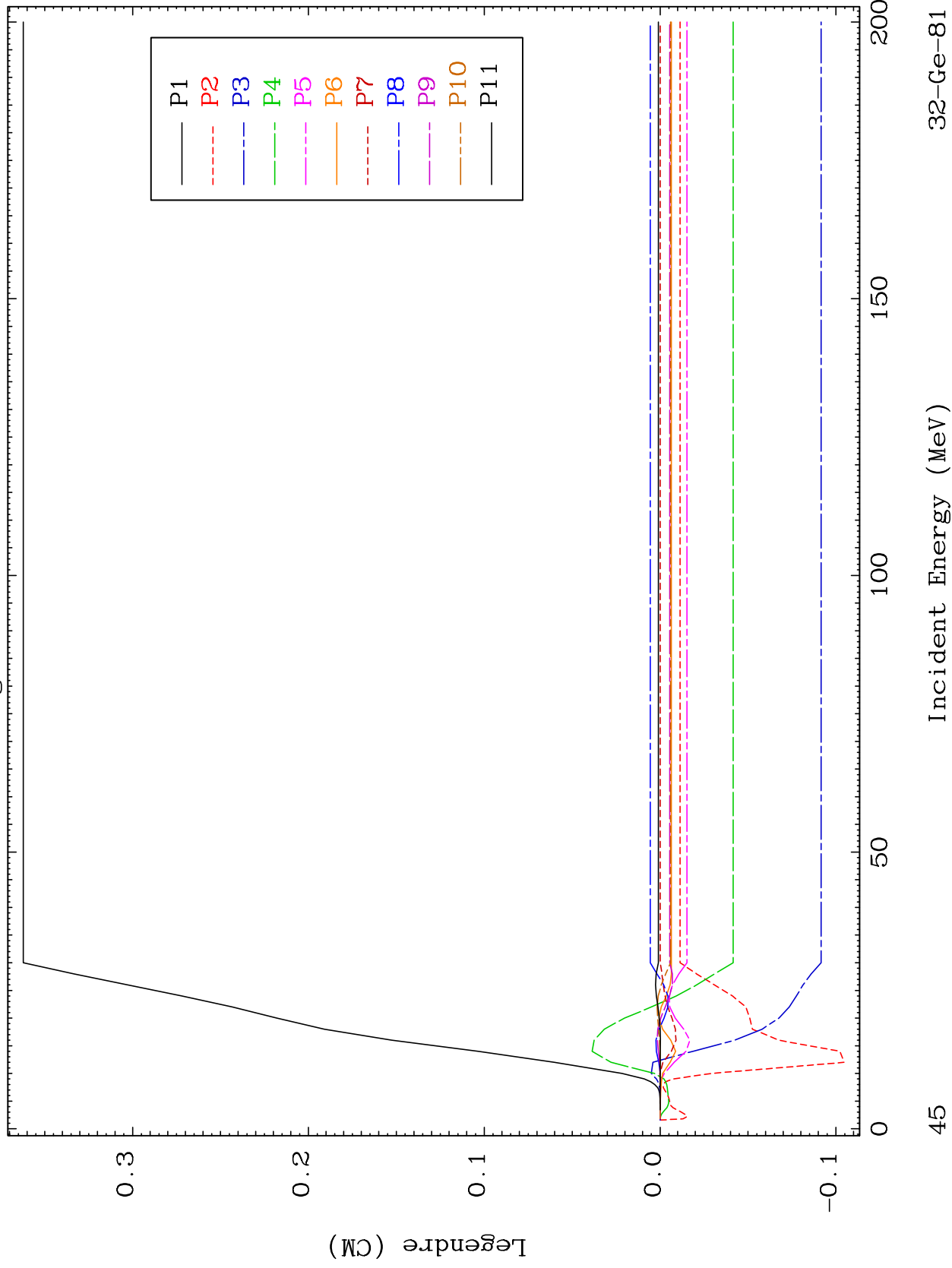
32-Ge-81



MAT 3258

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

32-Ge-81



32-Ge-81

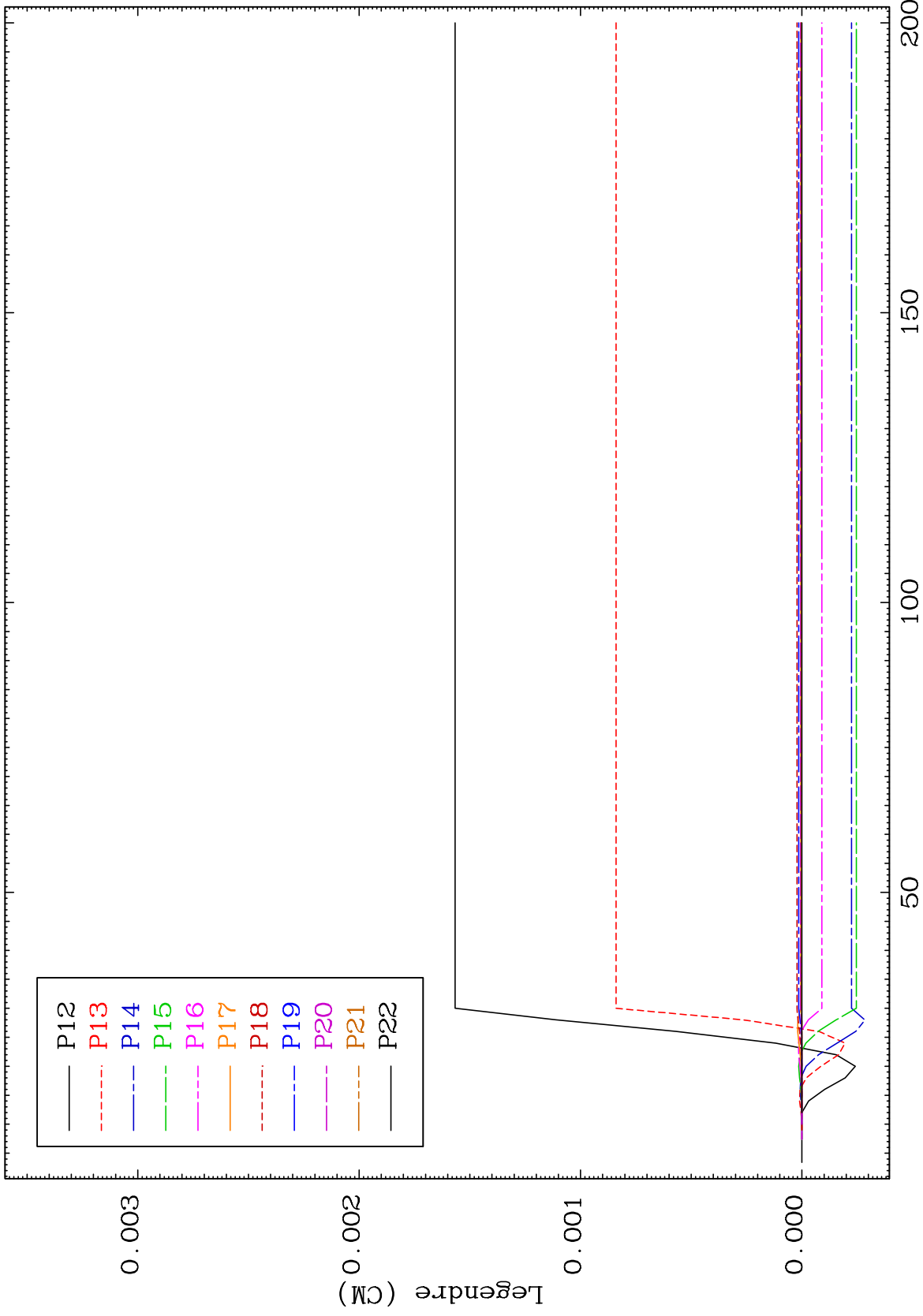
Incident Energy (MeV)

45

MAT 3258

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

32-Ge-81



46

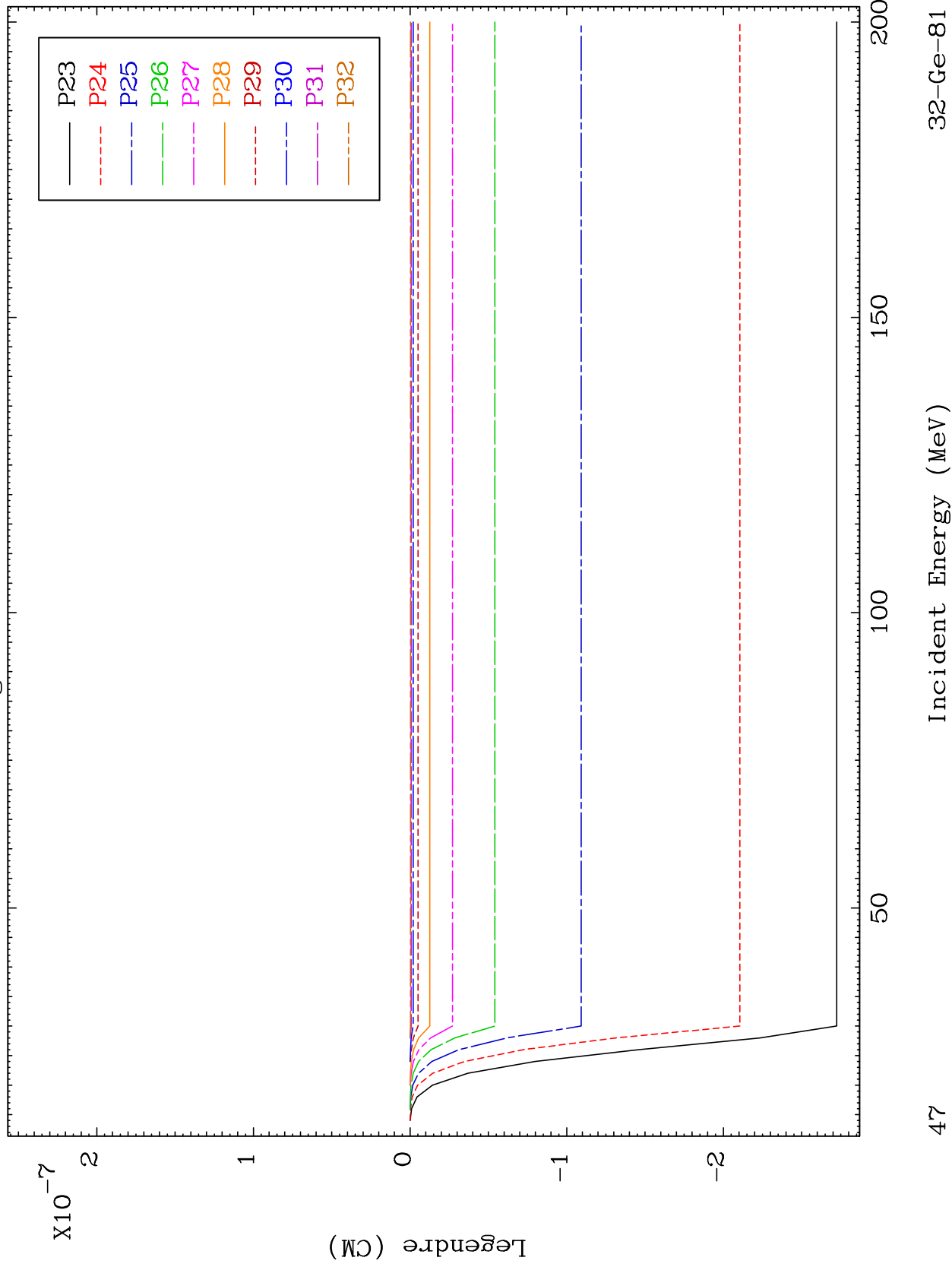
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



47

Incident Energy (MeV)

32-Ge-81

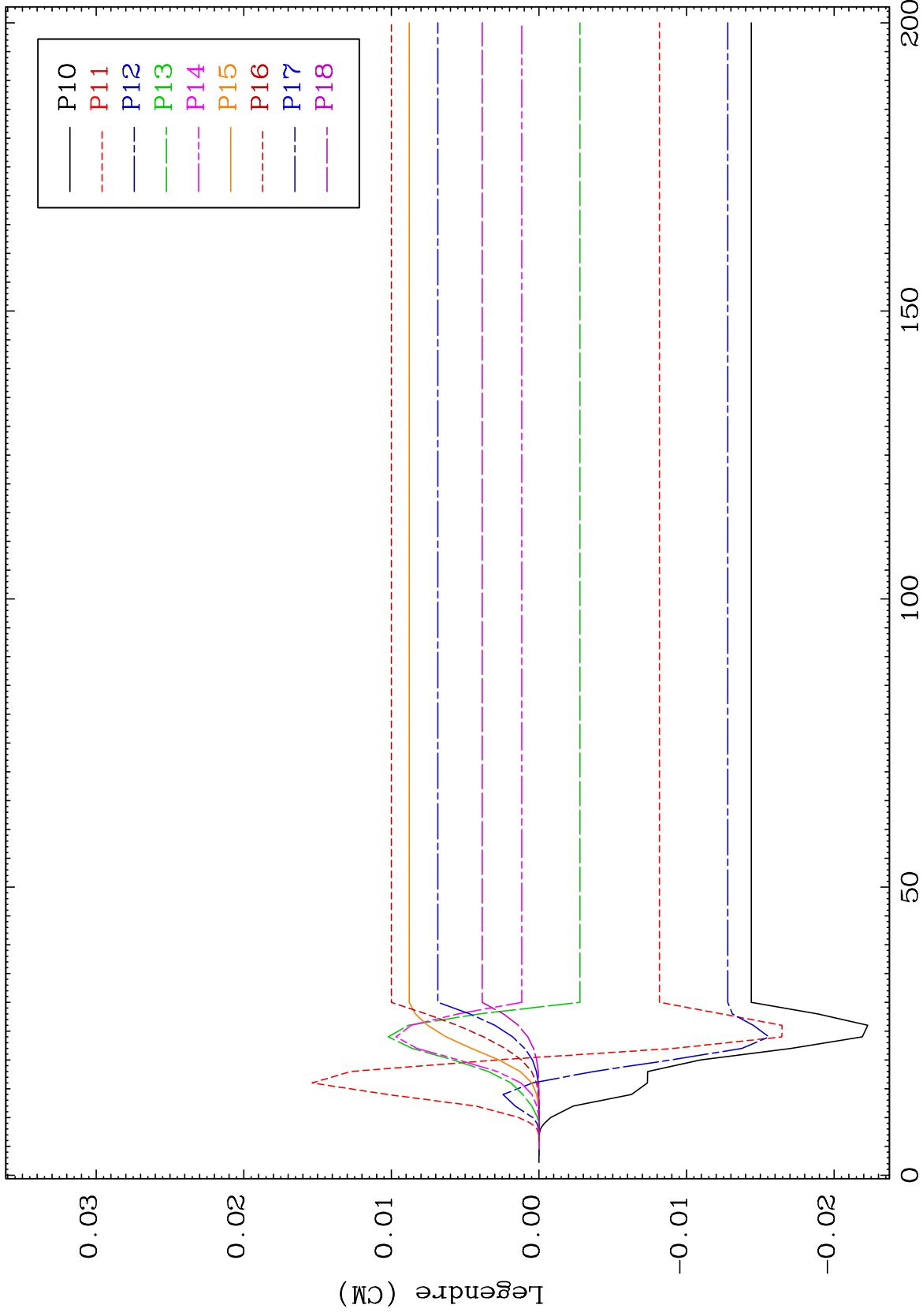




MAT 3258

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

32-Ge-81



49

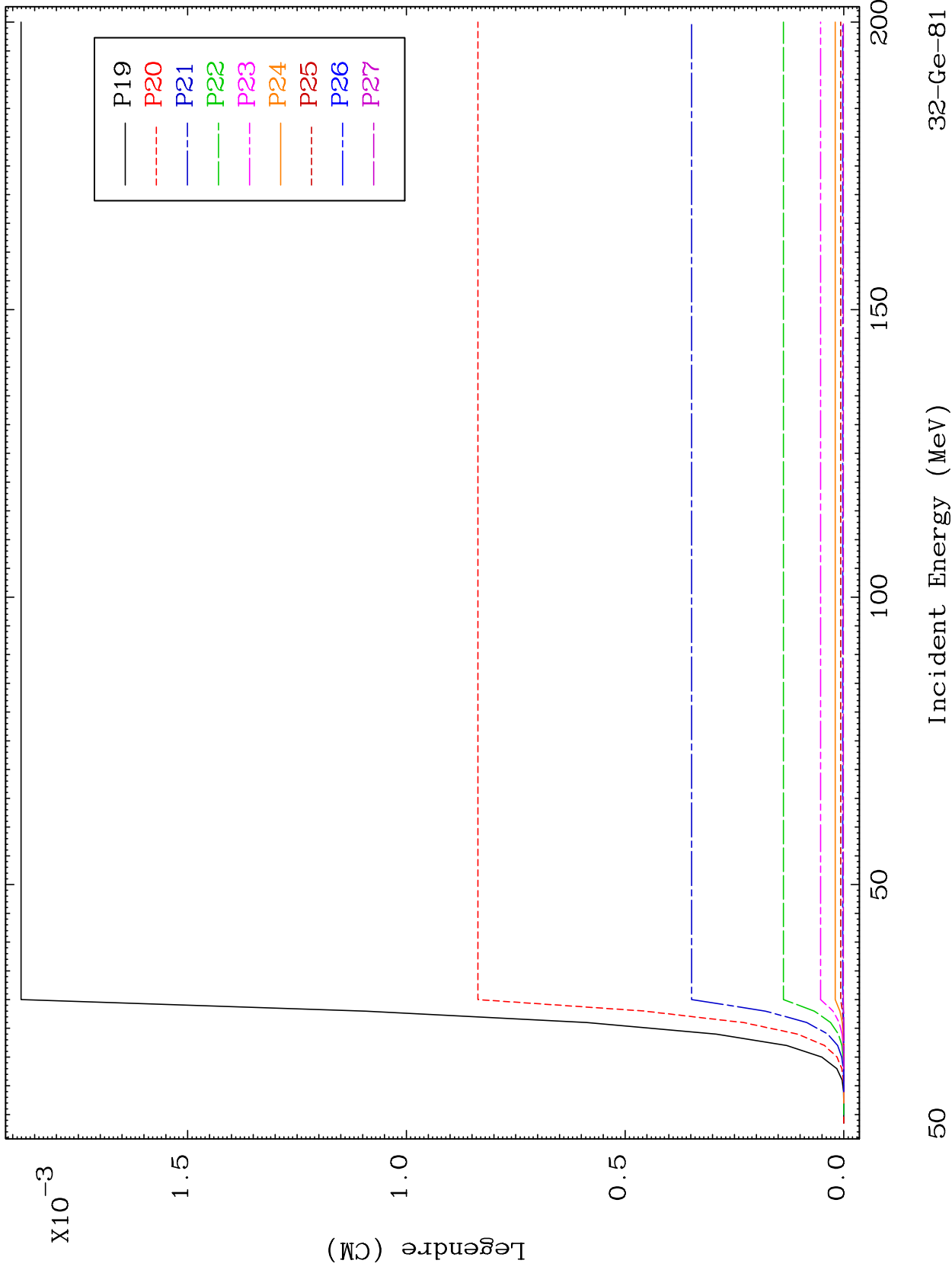
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

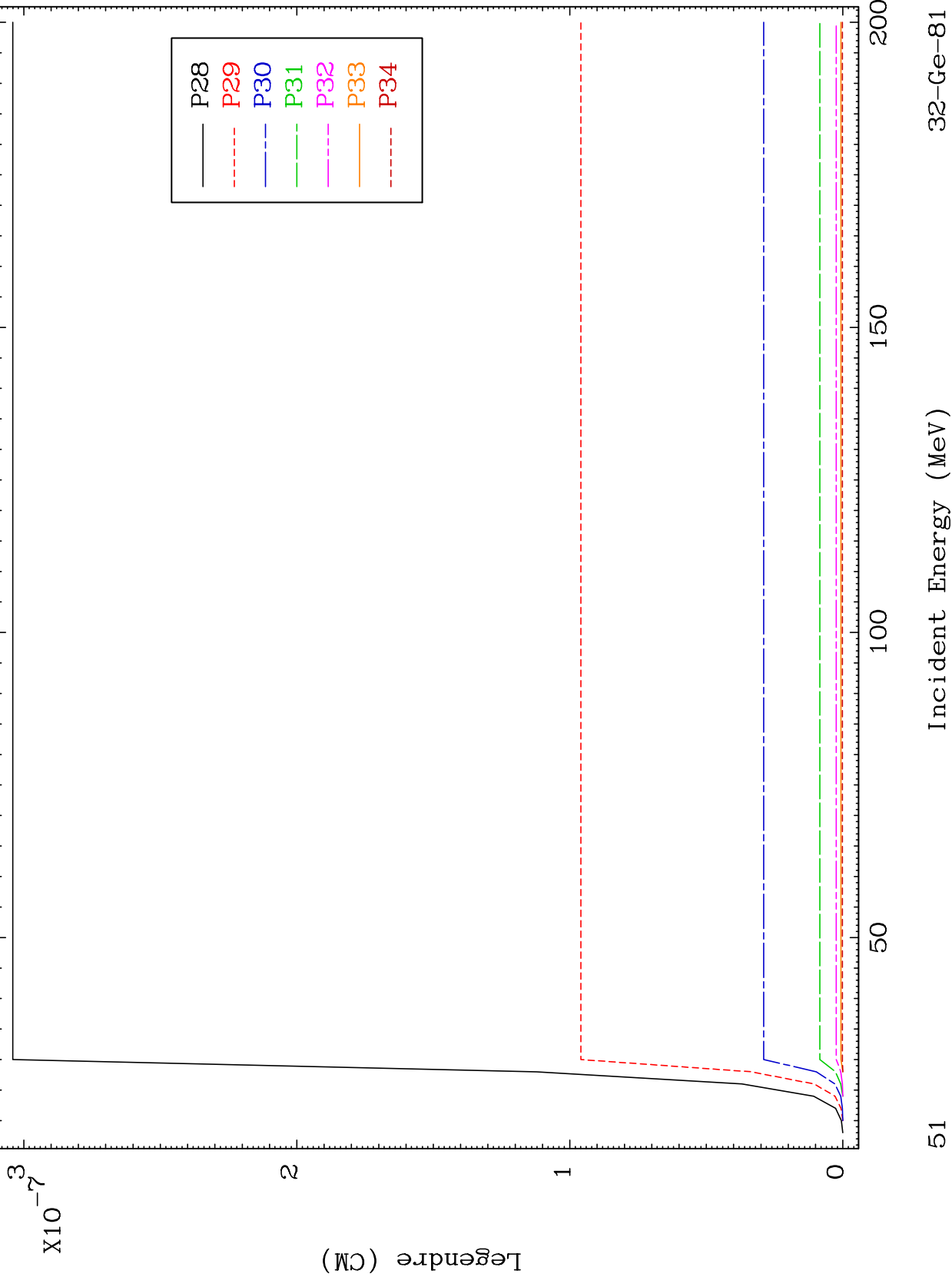
32-Ge-81



MAT 3258

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

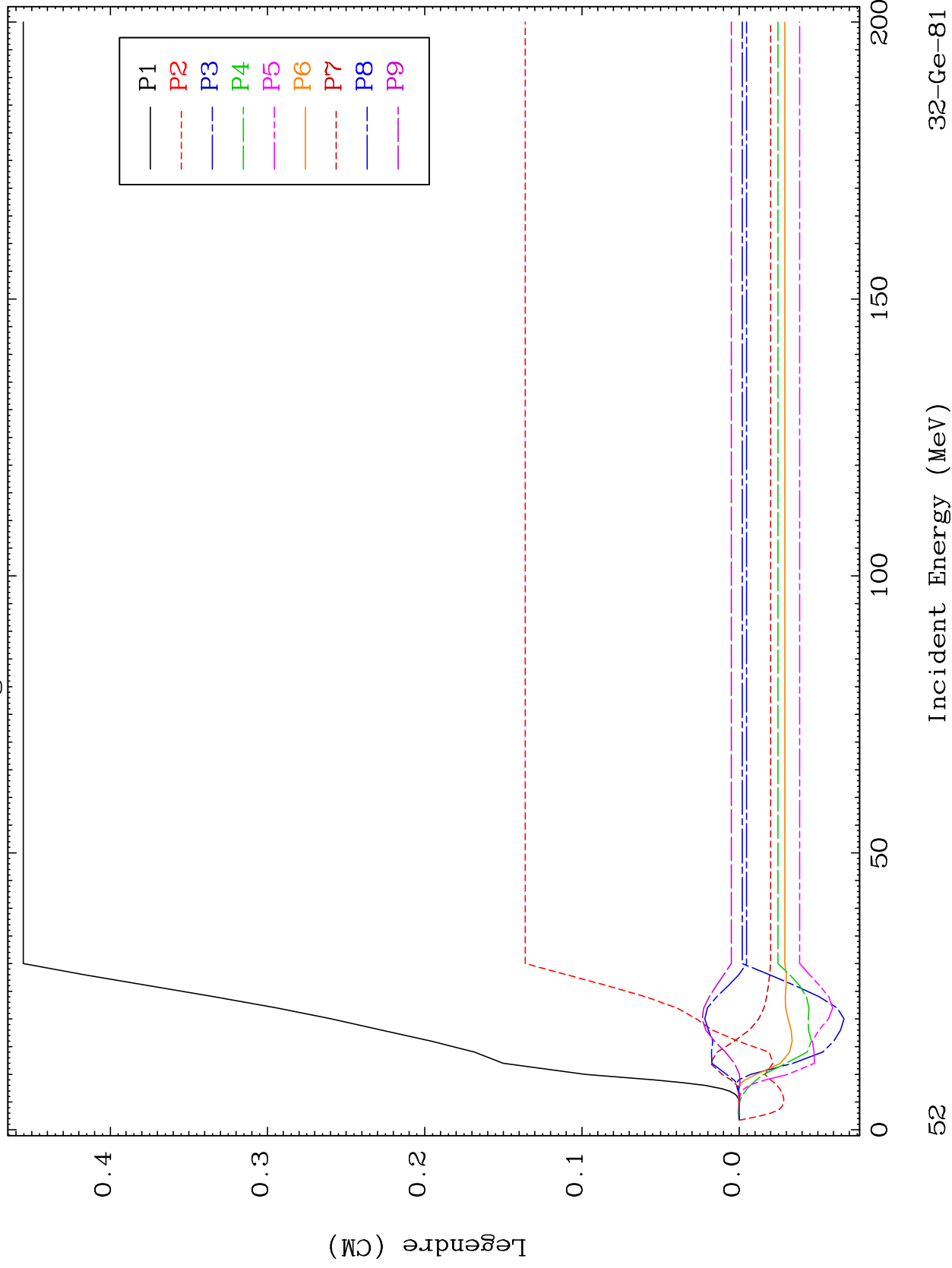
32-Ge-81



MAT 3258

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

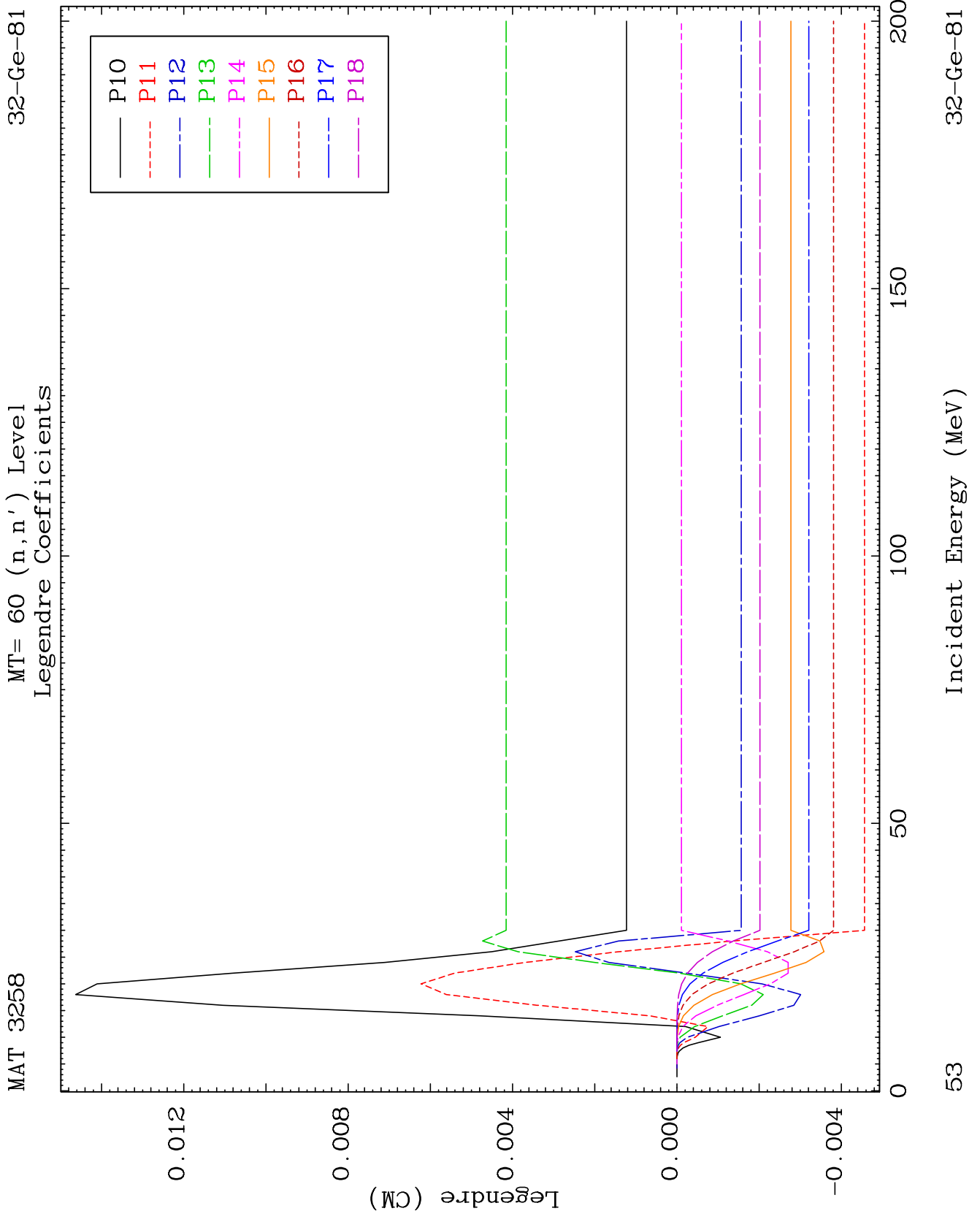
32-Ge-81

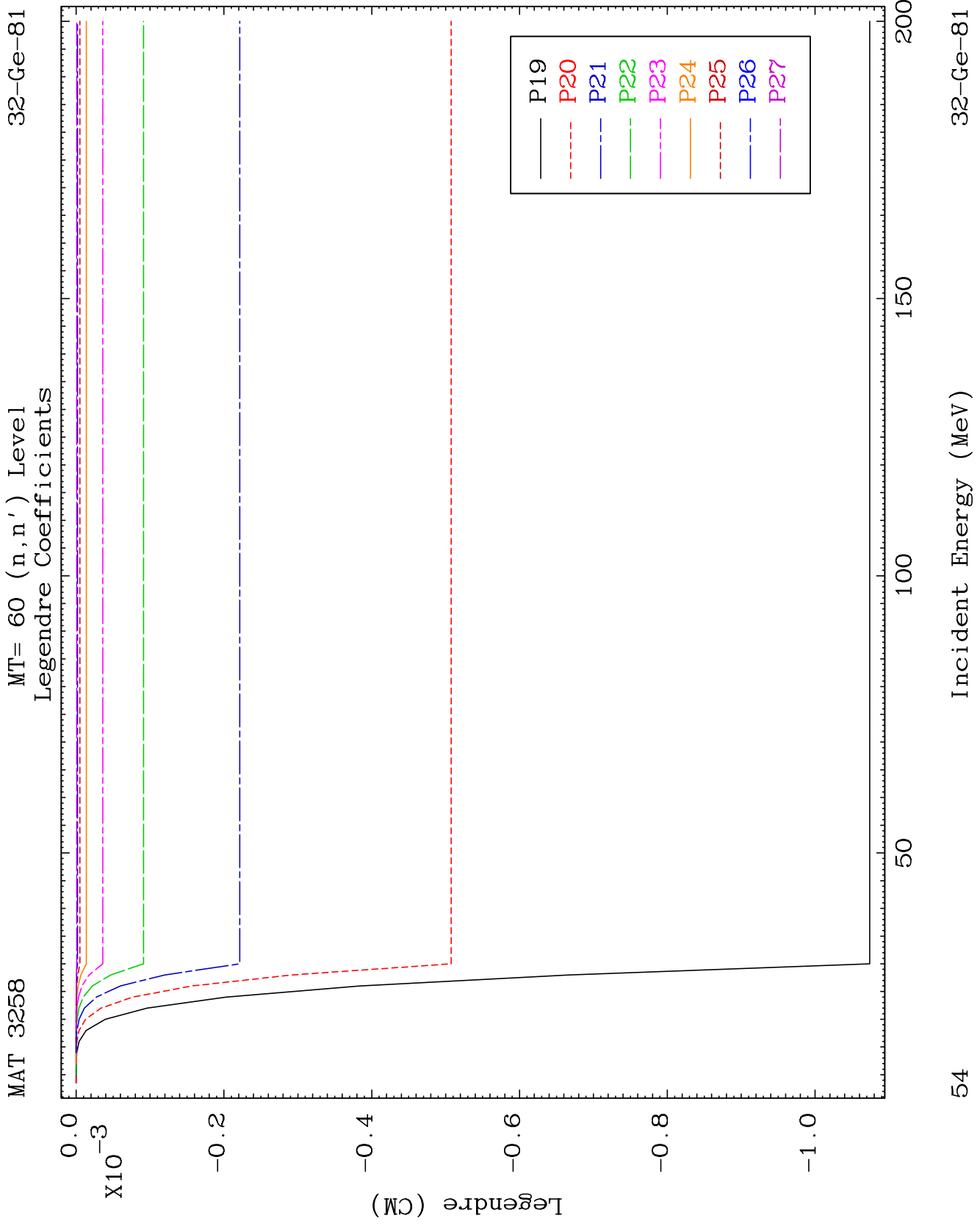


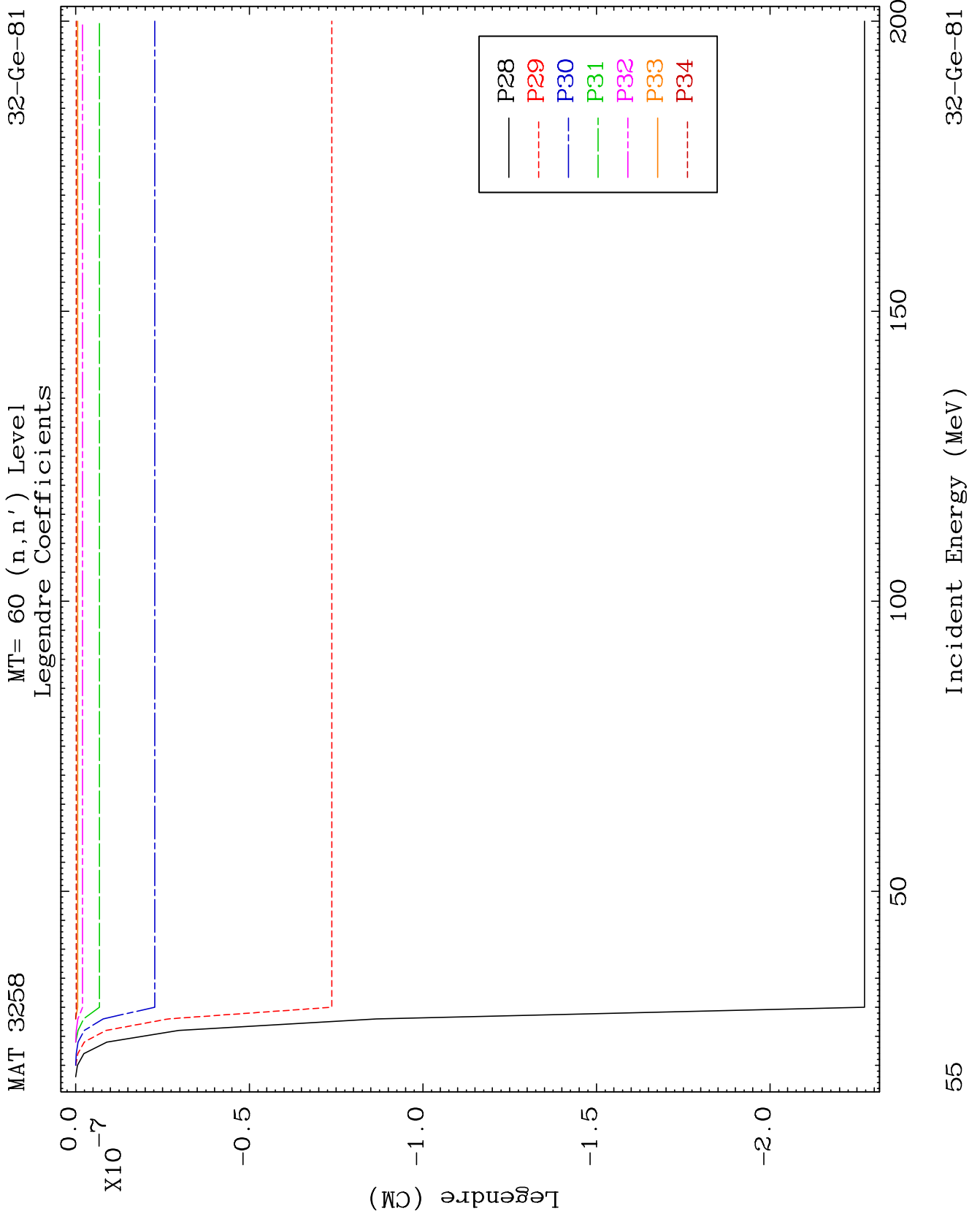
32-Ge-81

Incident Energy (MeV)

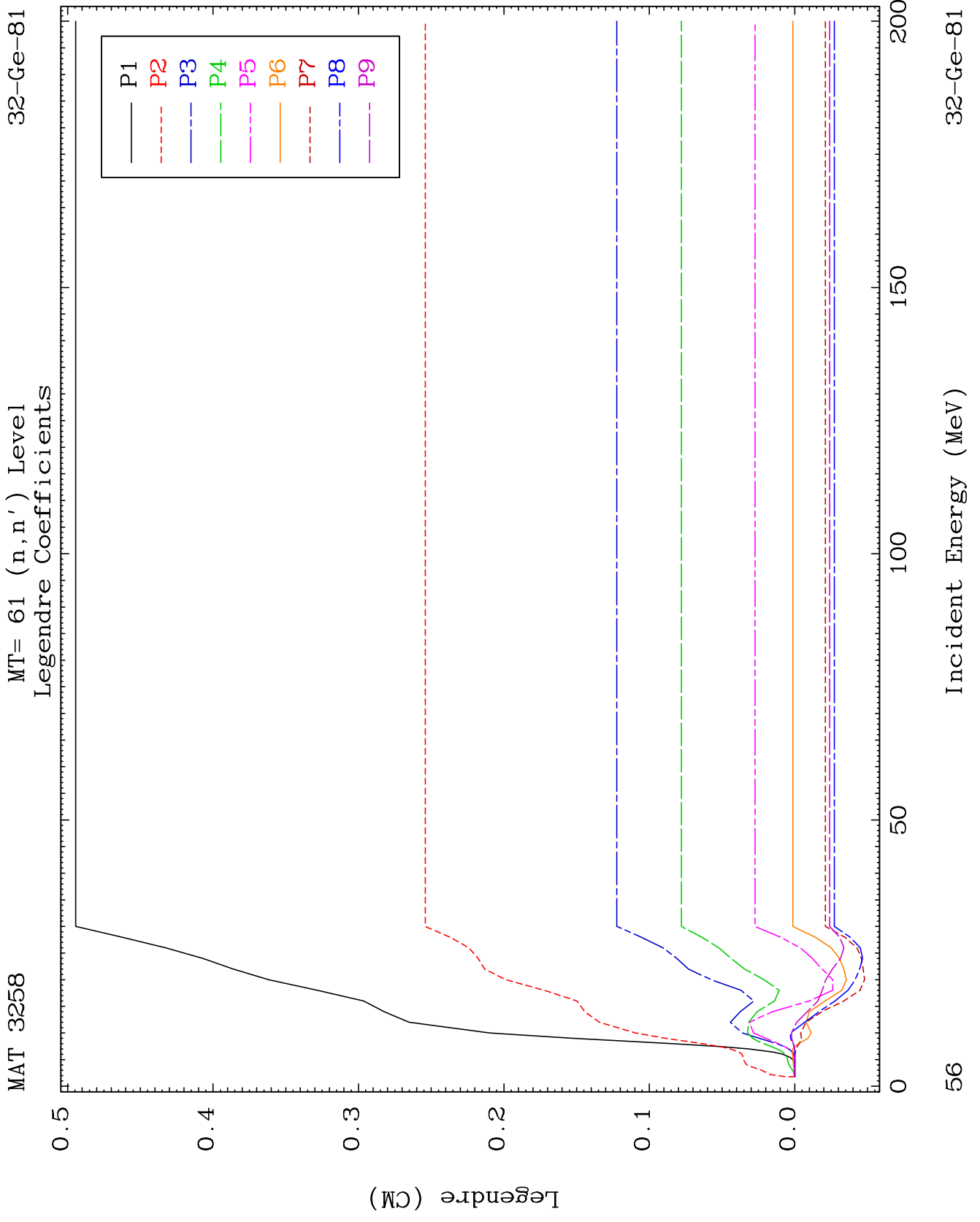
52







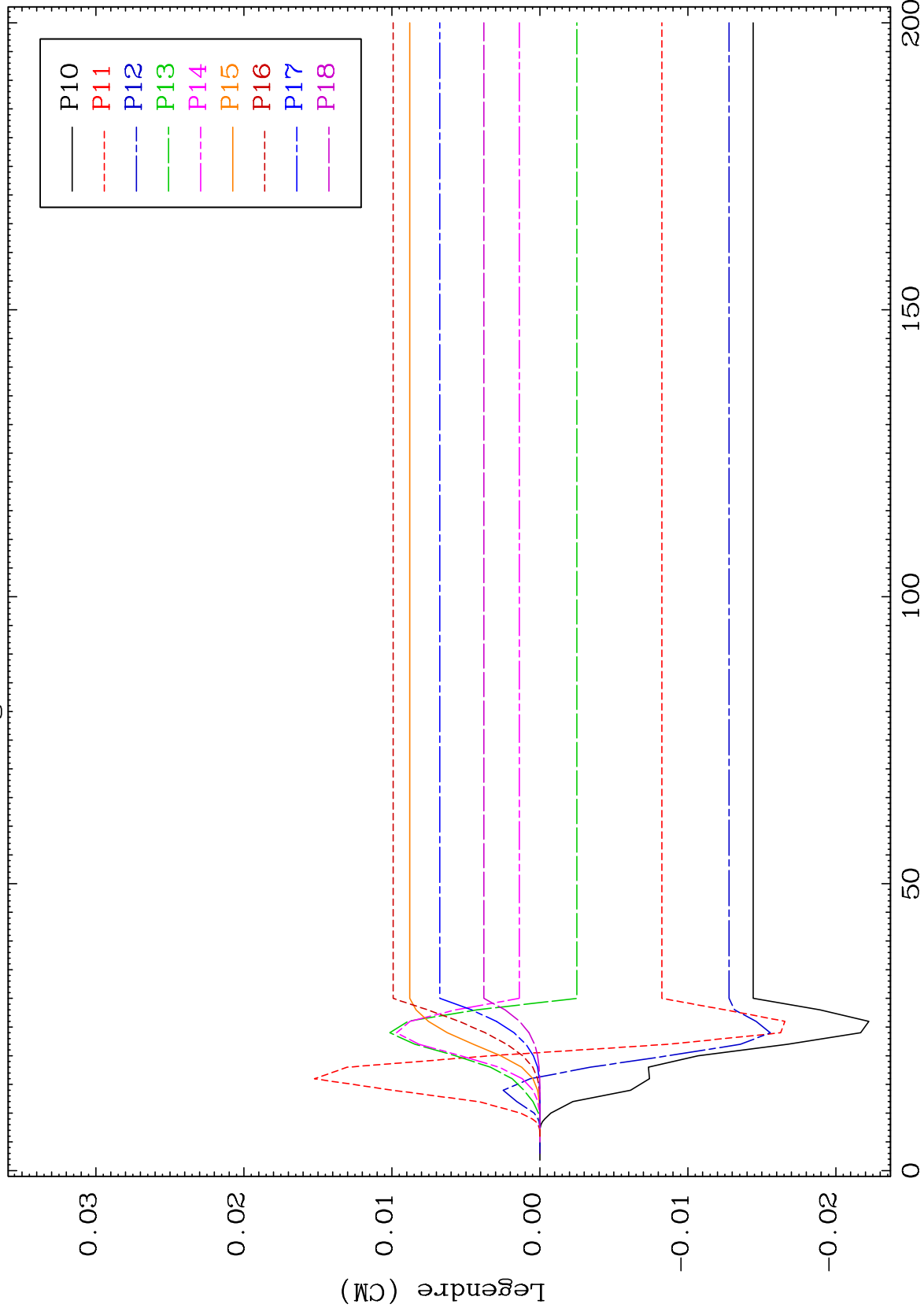




MAT 3258

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

32-Ge-81



57

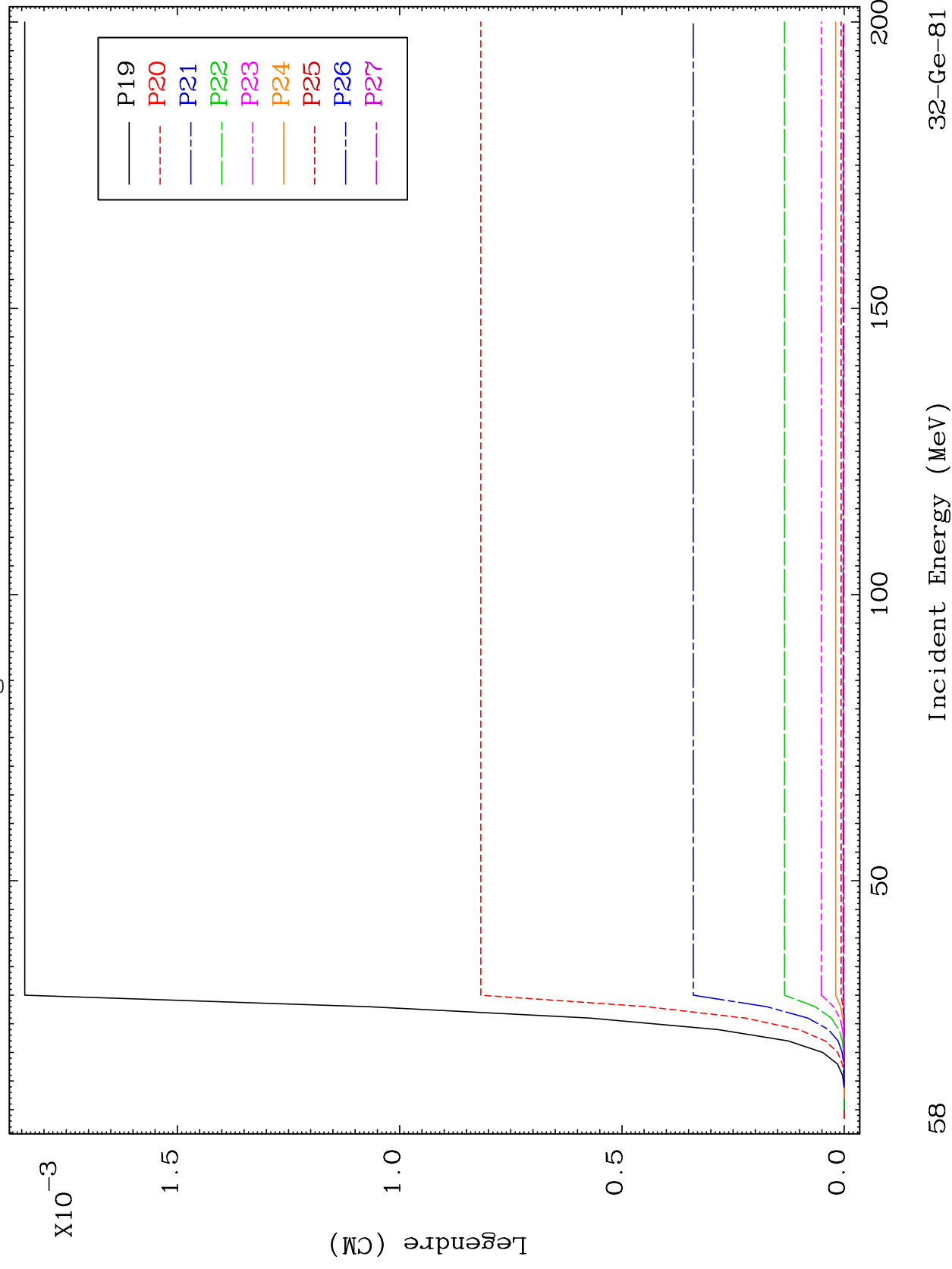
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



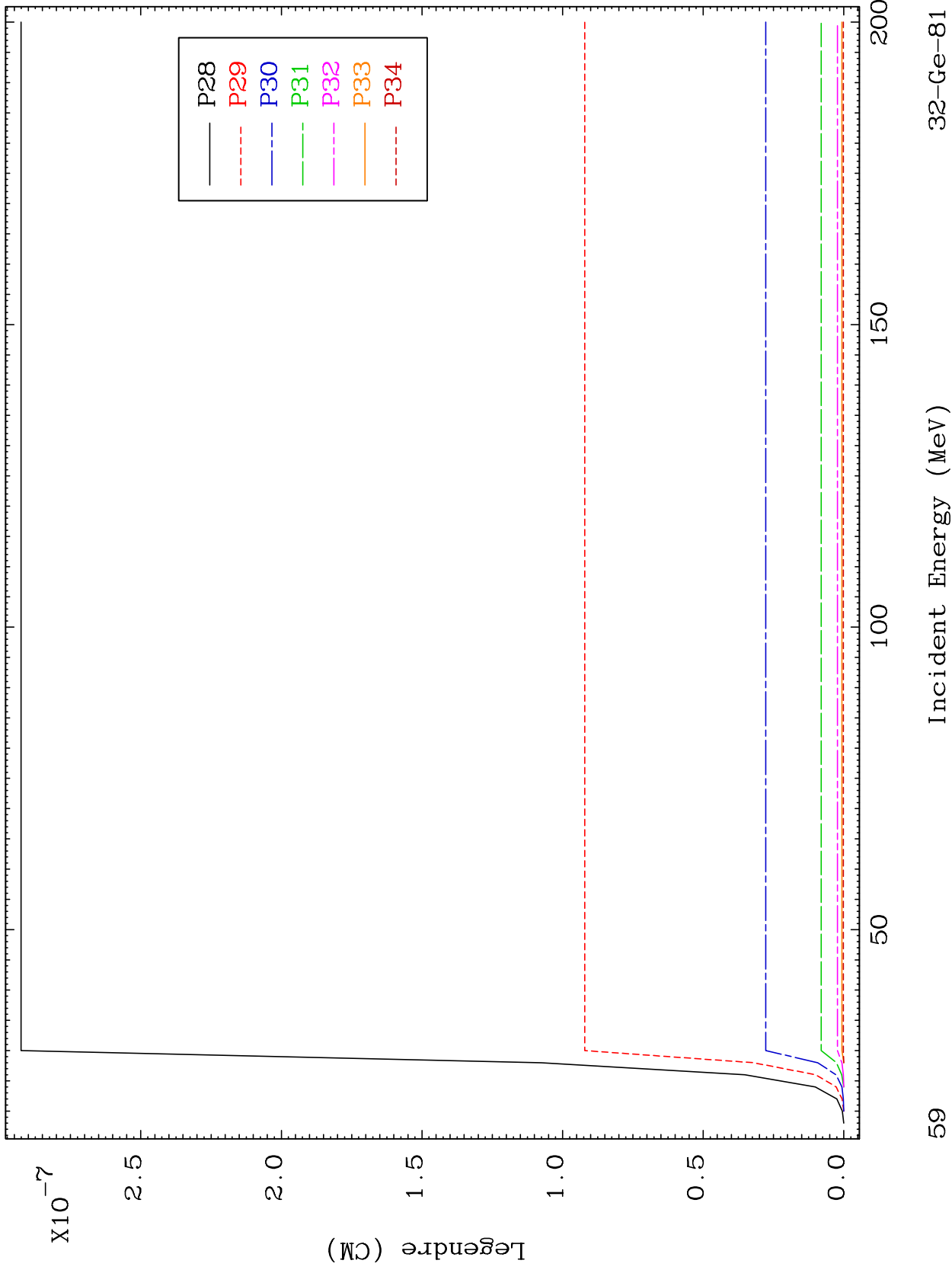
58

32-Ge-81

MAT 3258

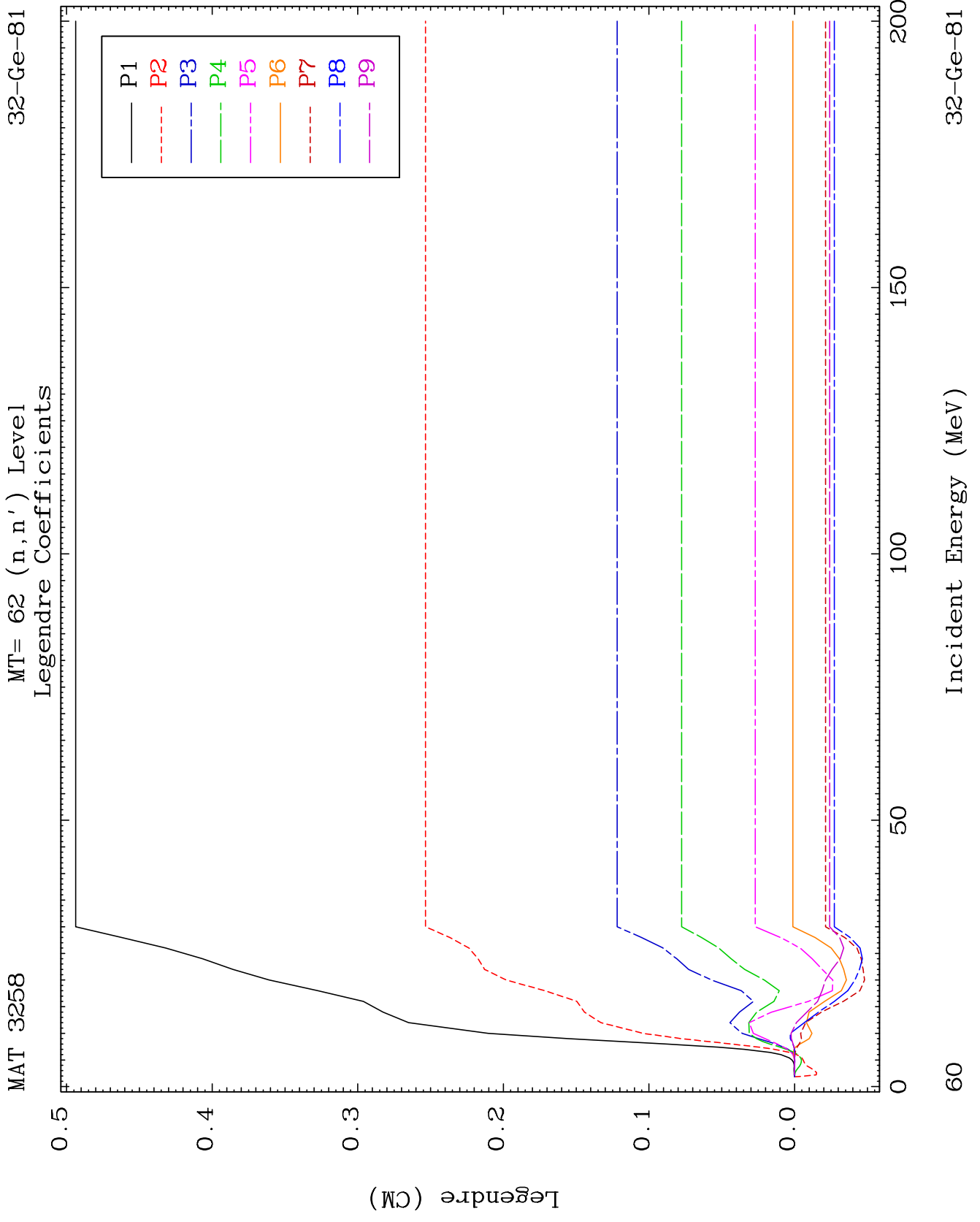
MT= 61 (n,n') Level  
Legendre Coefficients

32-Ge-81



59

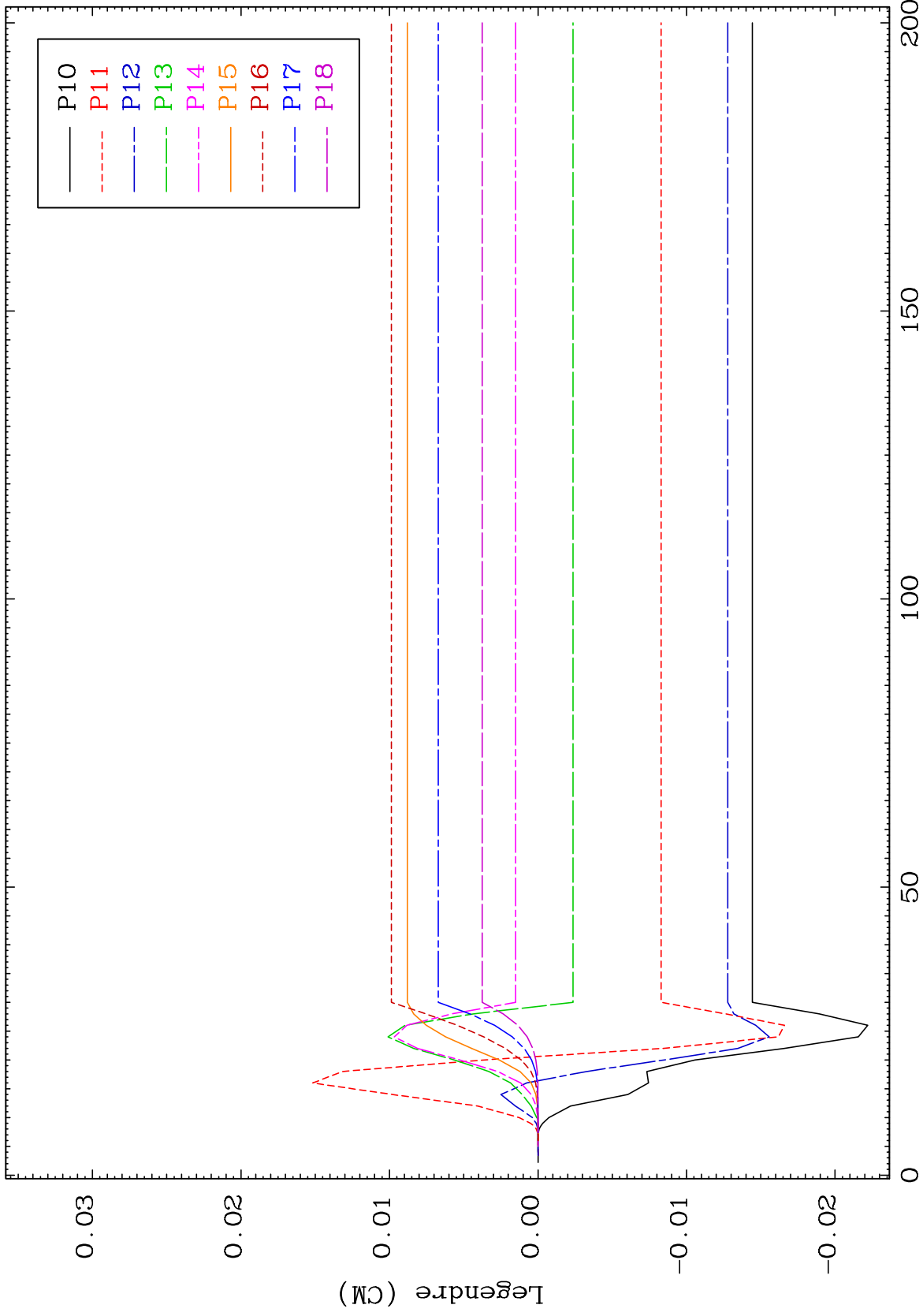
32-Ge-81



MAT 3258

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

32-Ge-81



61

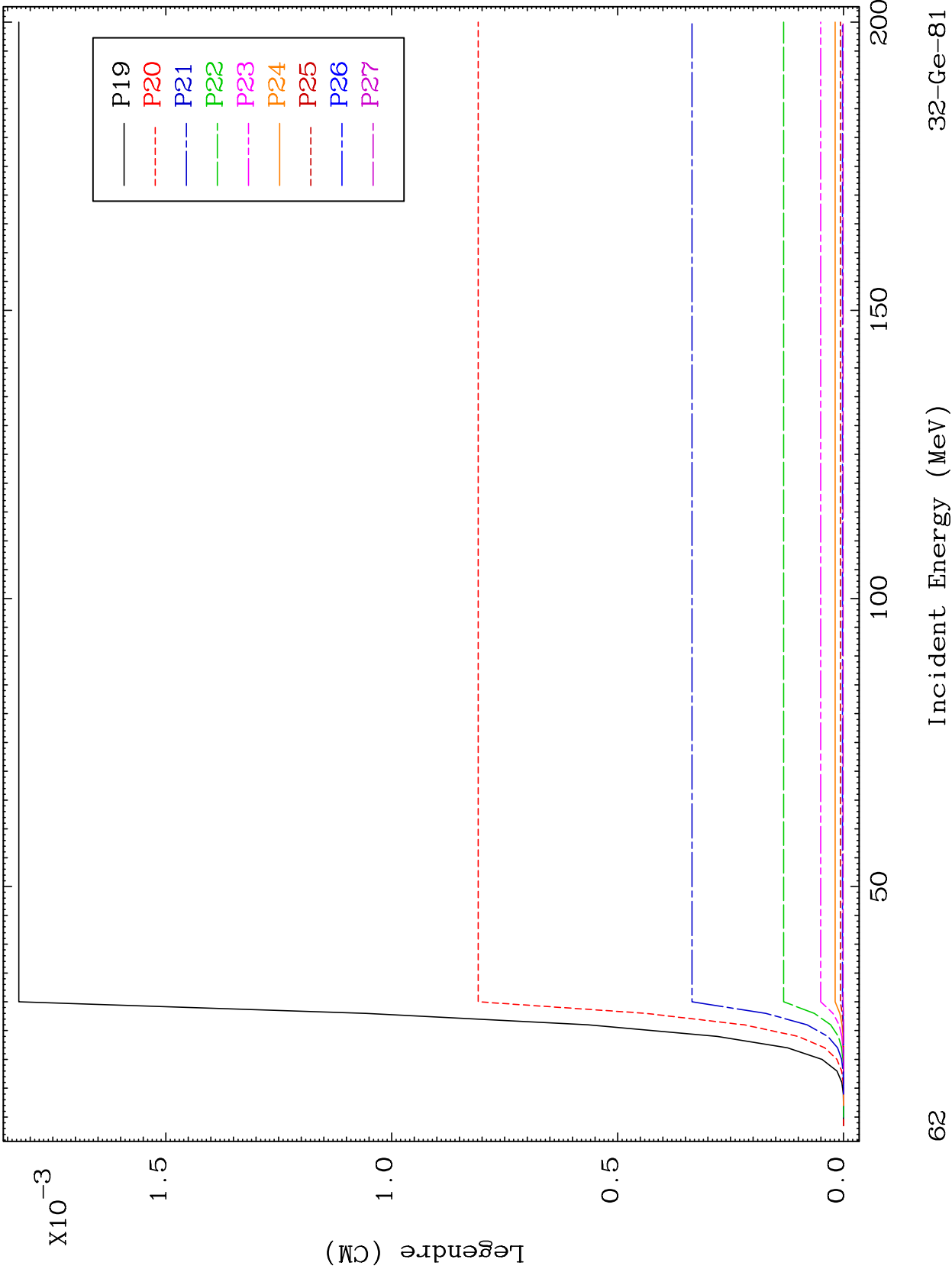
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



62

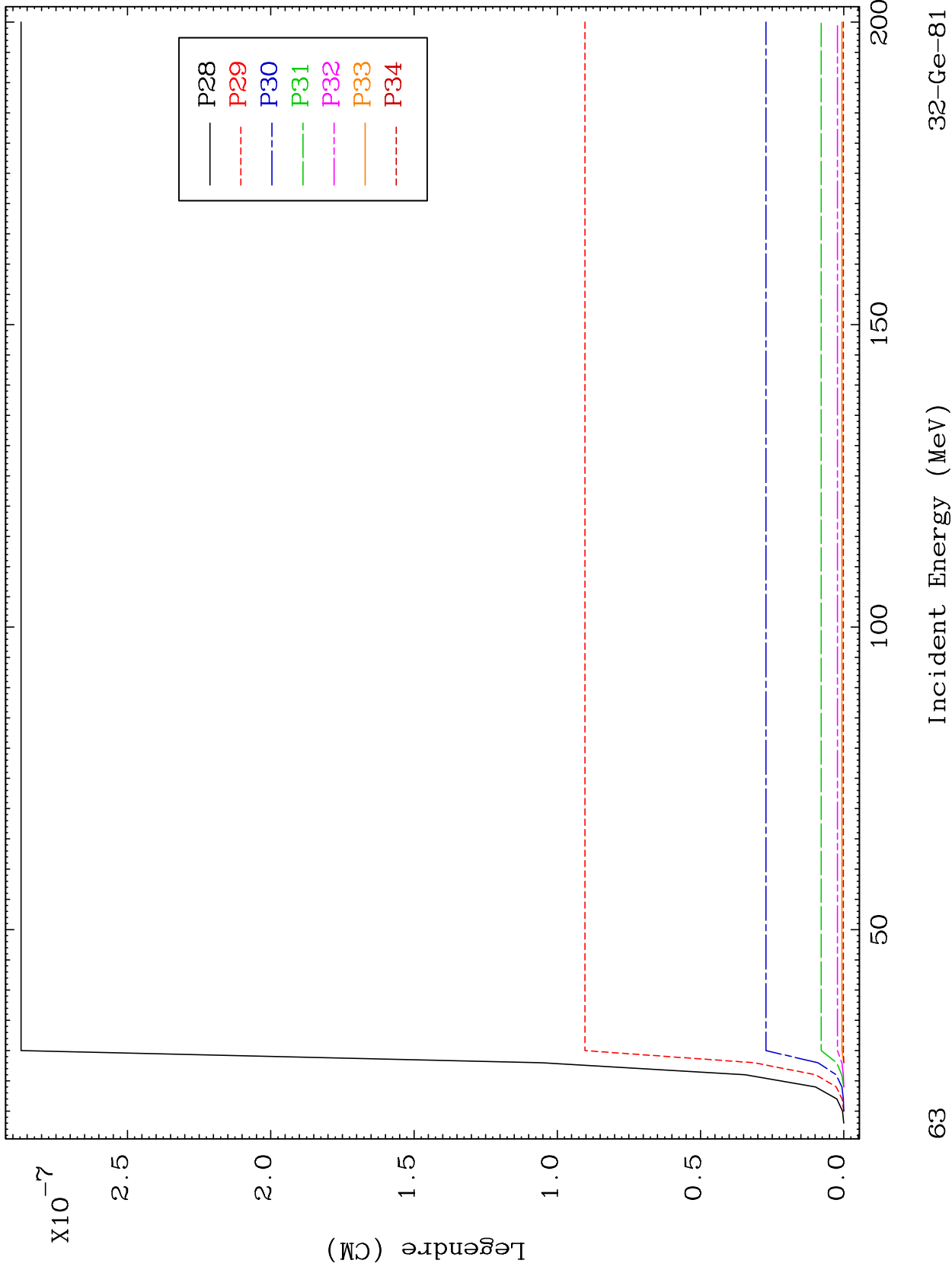
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81

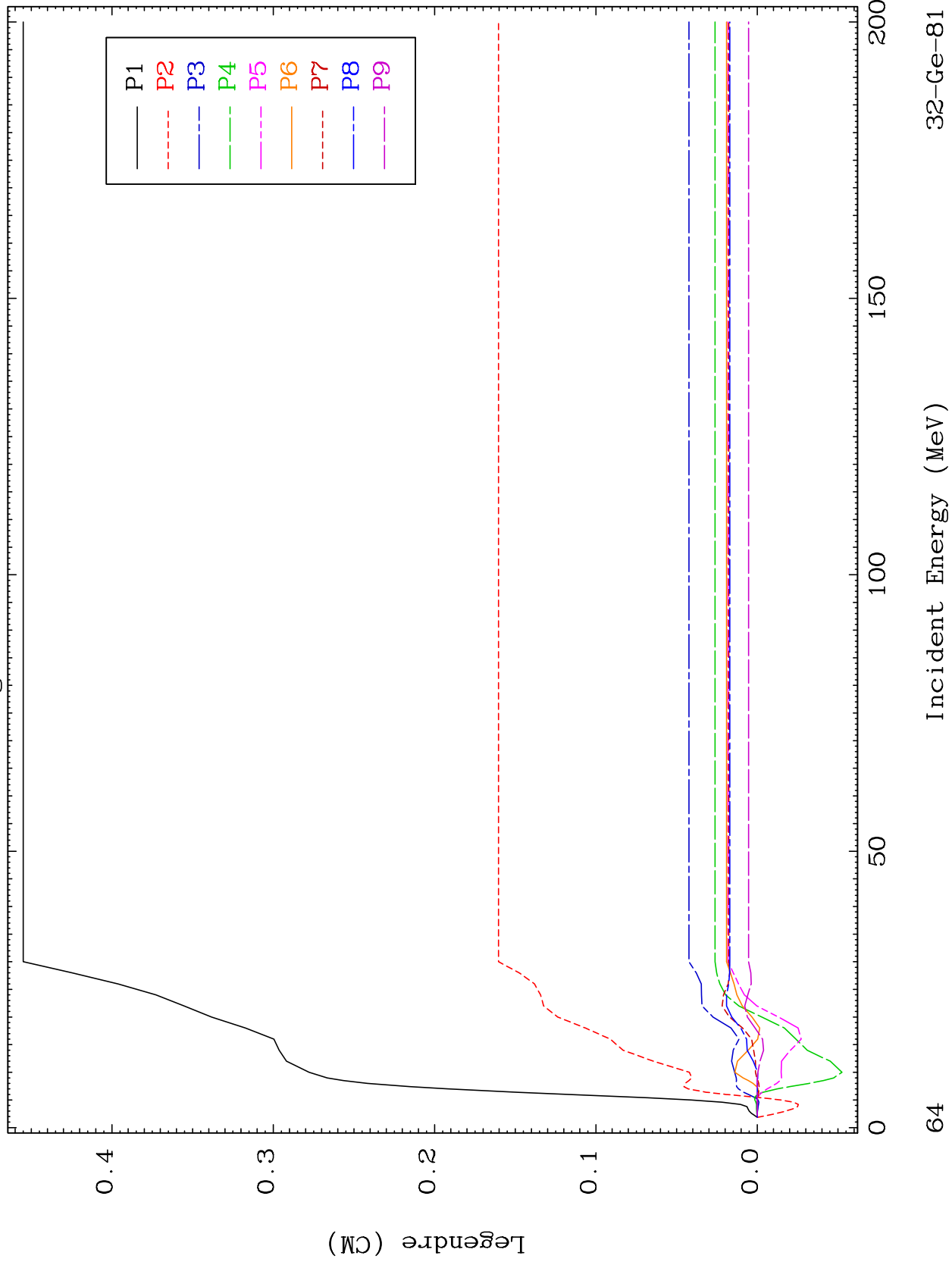




MAT 3258

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

32-Ge-81



32-Ge-81

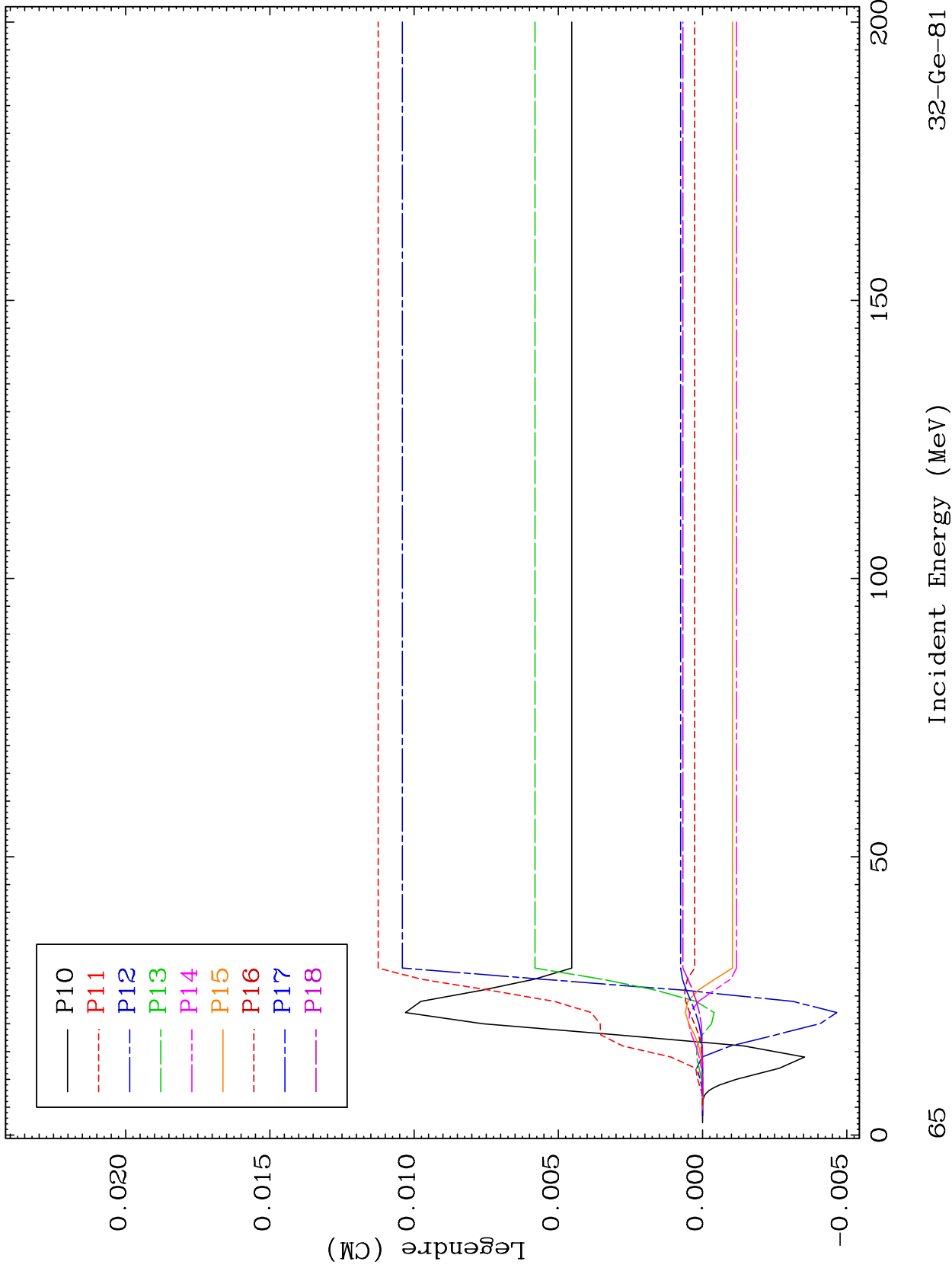
Incident Energy (MeV)

64

MAT 3258

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

32-Ge-81



65

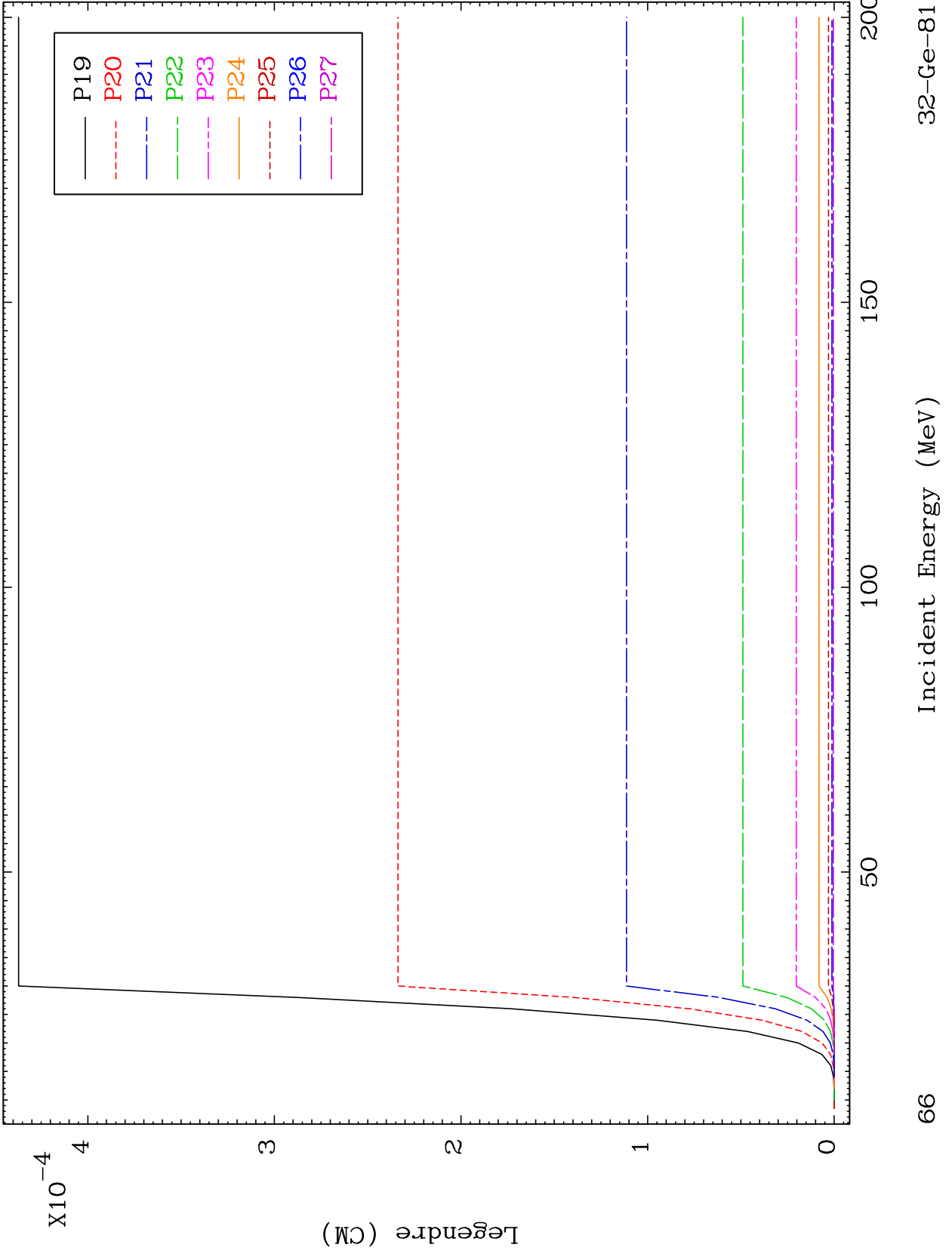
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81

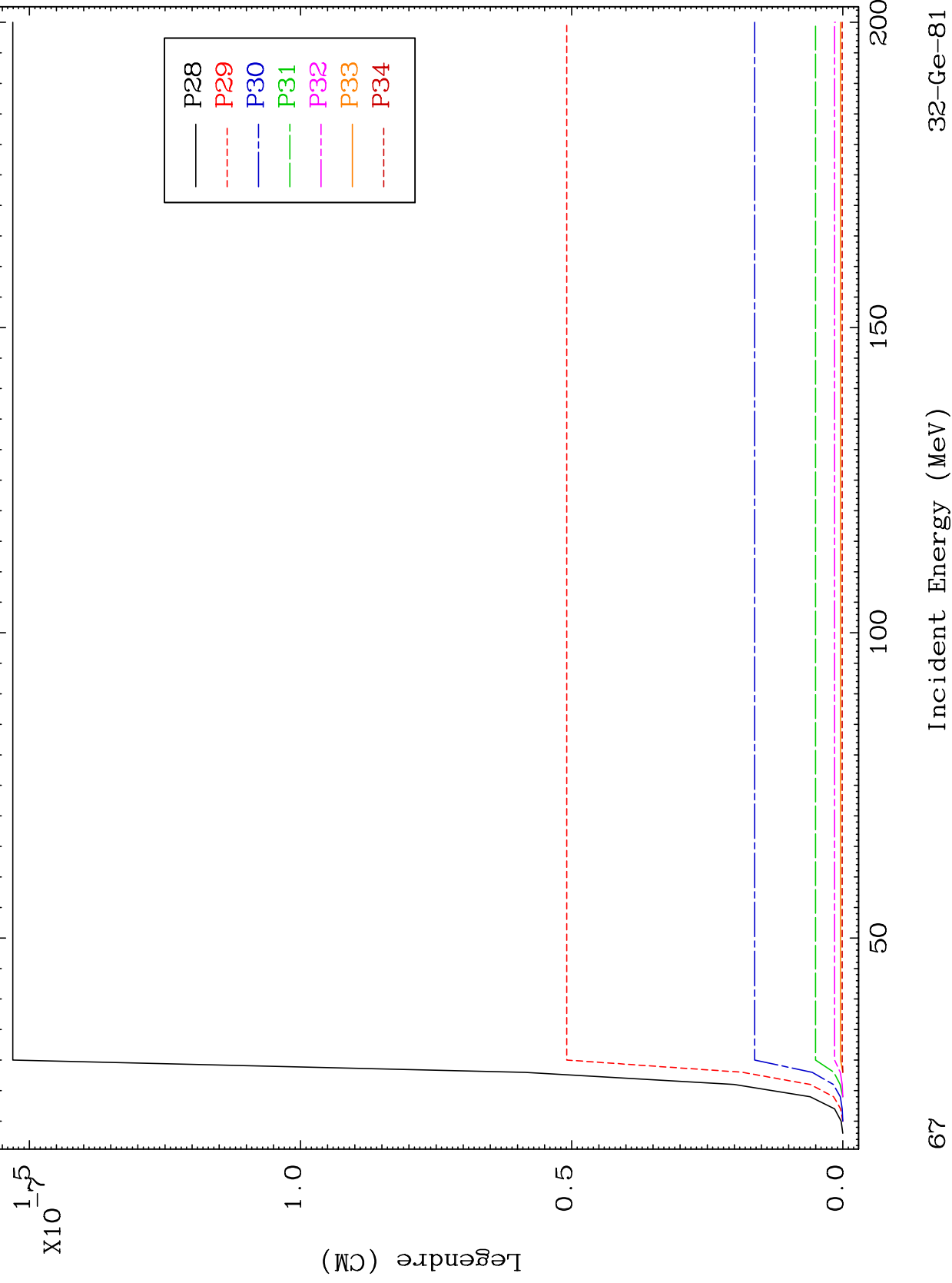


66

MAT 3258

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

32-Ge-81



67

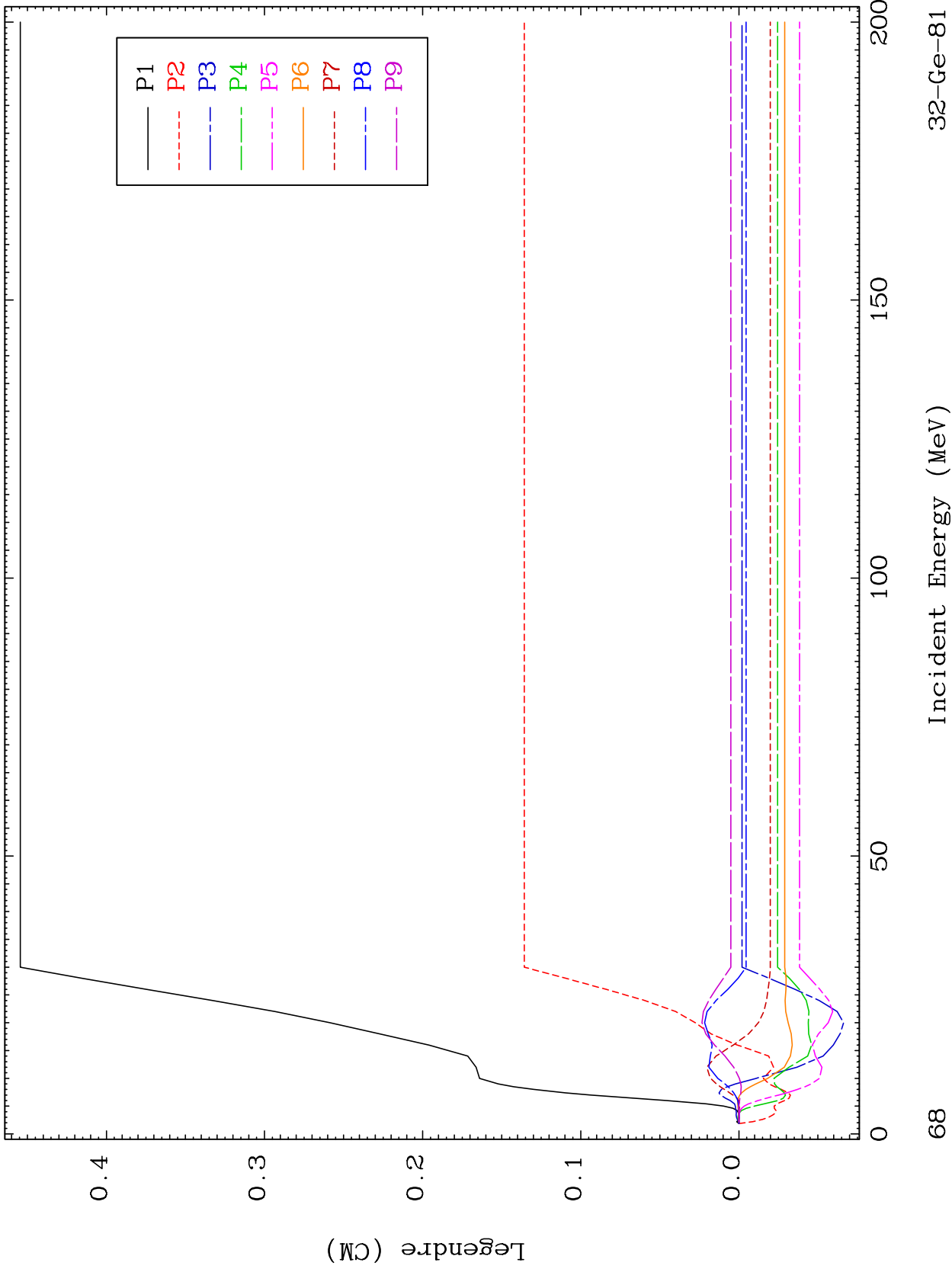
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

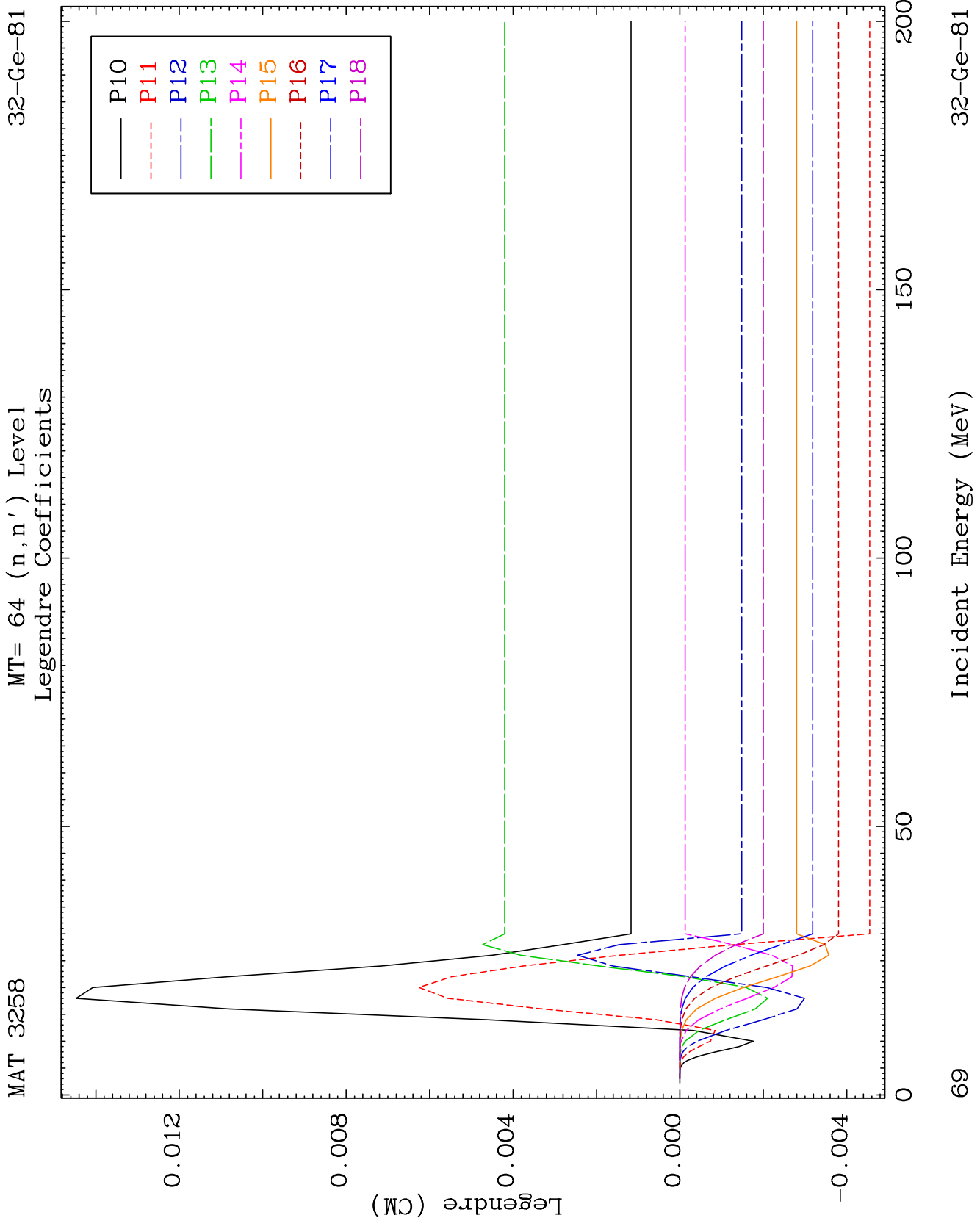
32-Ge-81

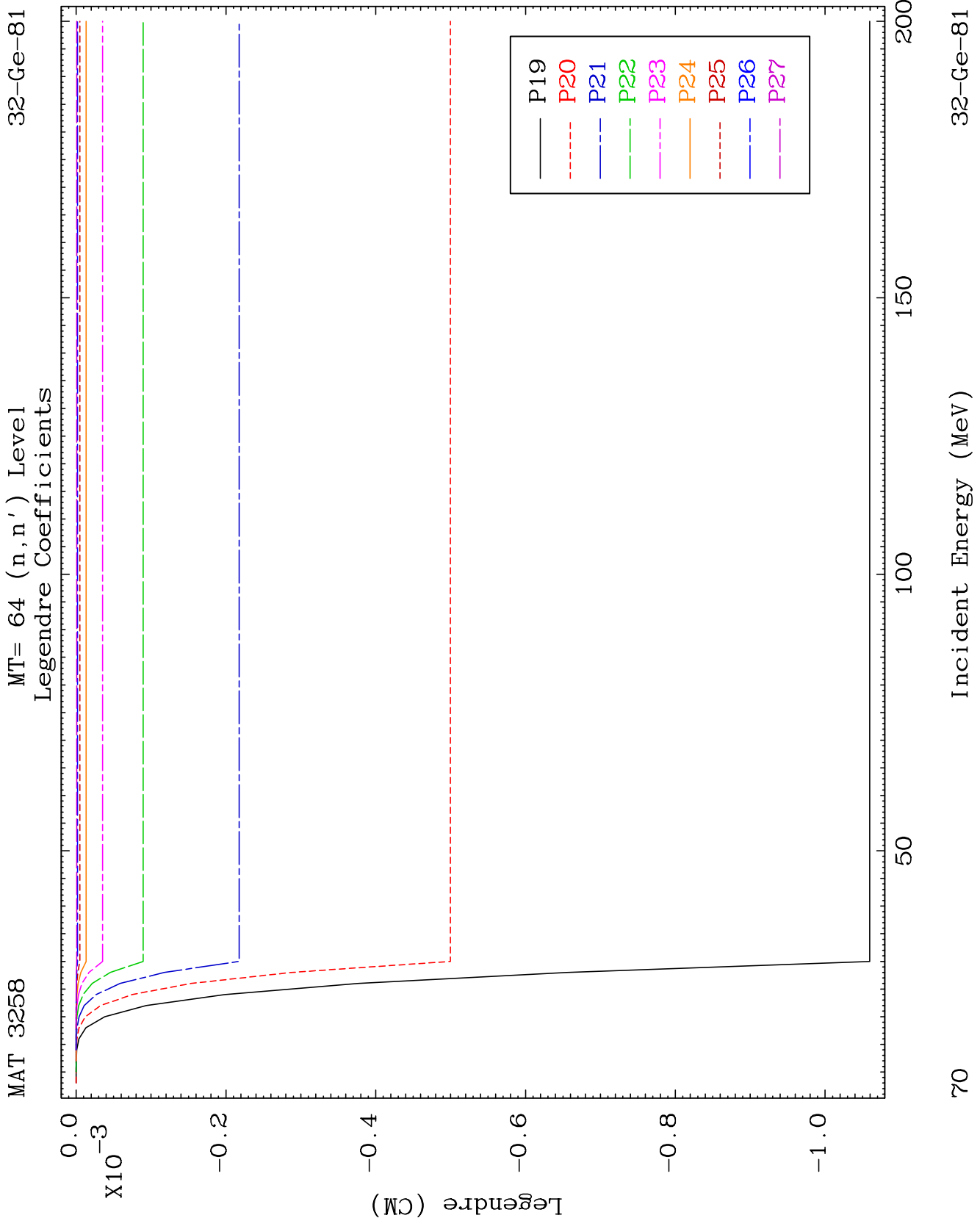


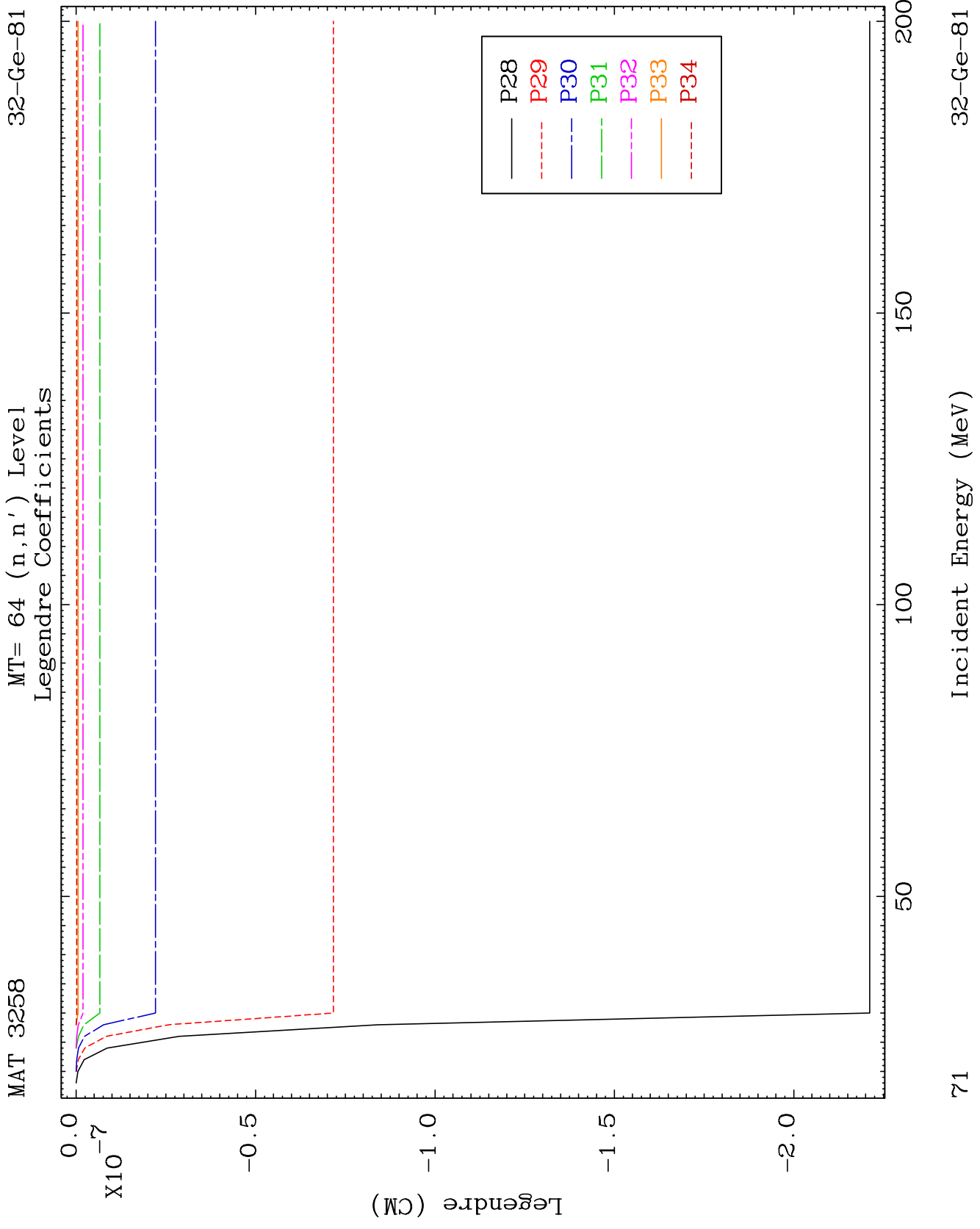
32-Ge-81

Incident Energy (MeV)

68





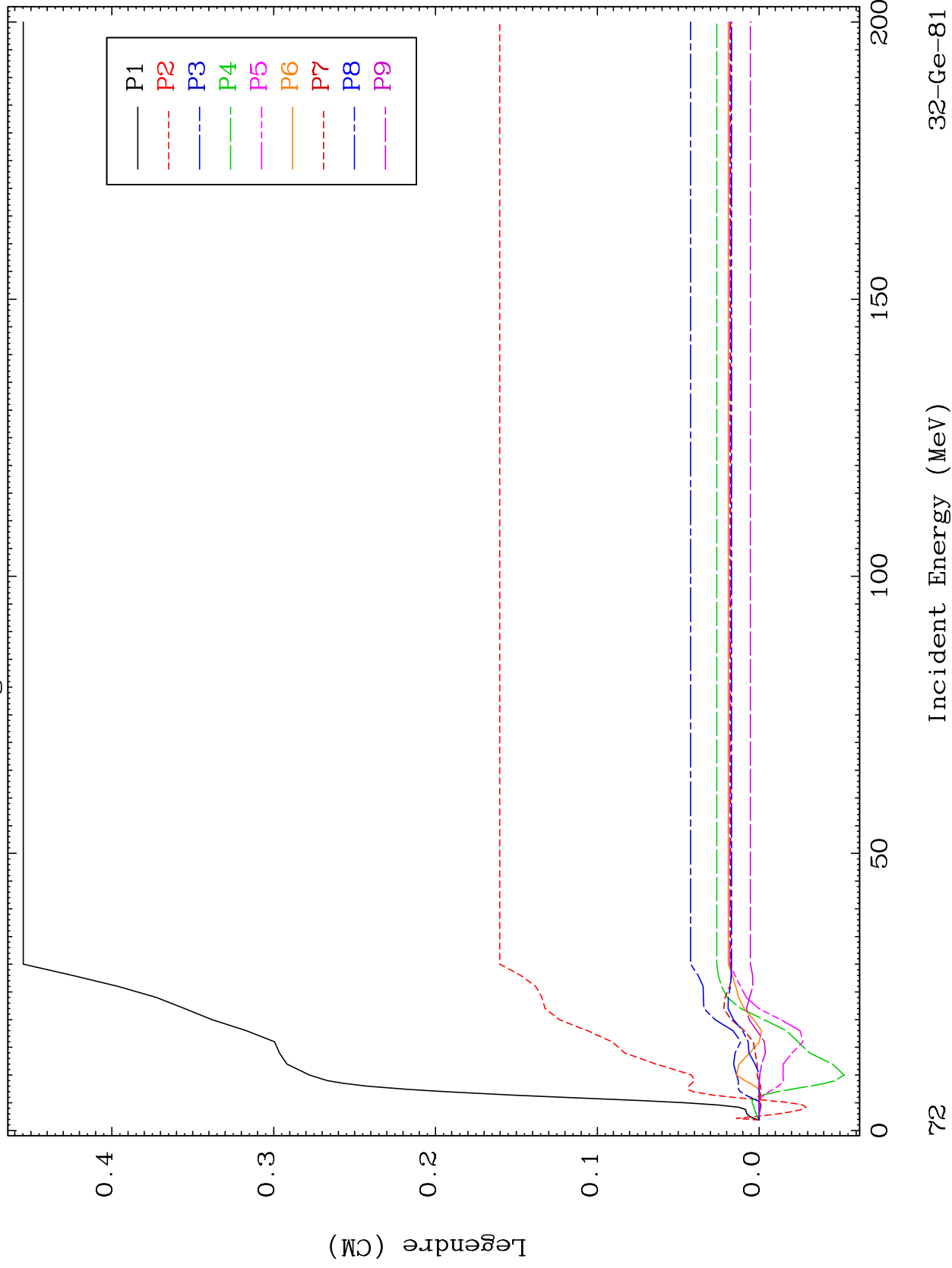




MAT 3258

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

32-Ge-81



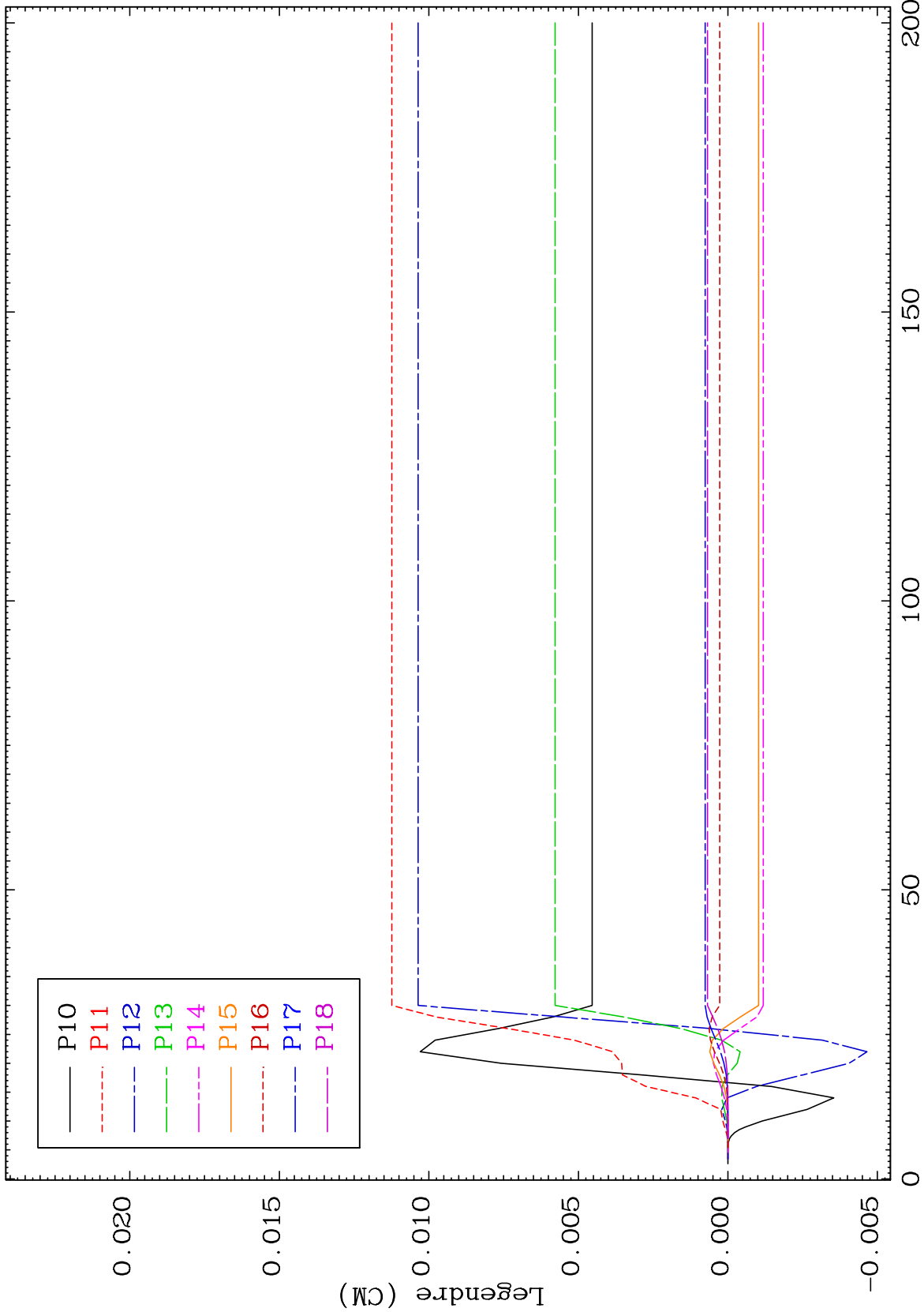
72

32-Ge-81

MAT 3258

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

32-Ge-81



73

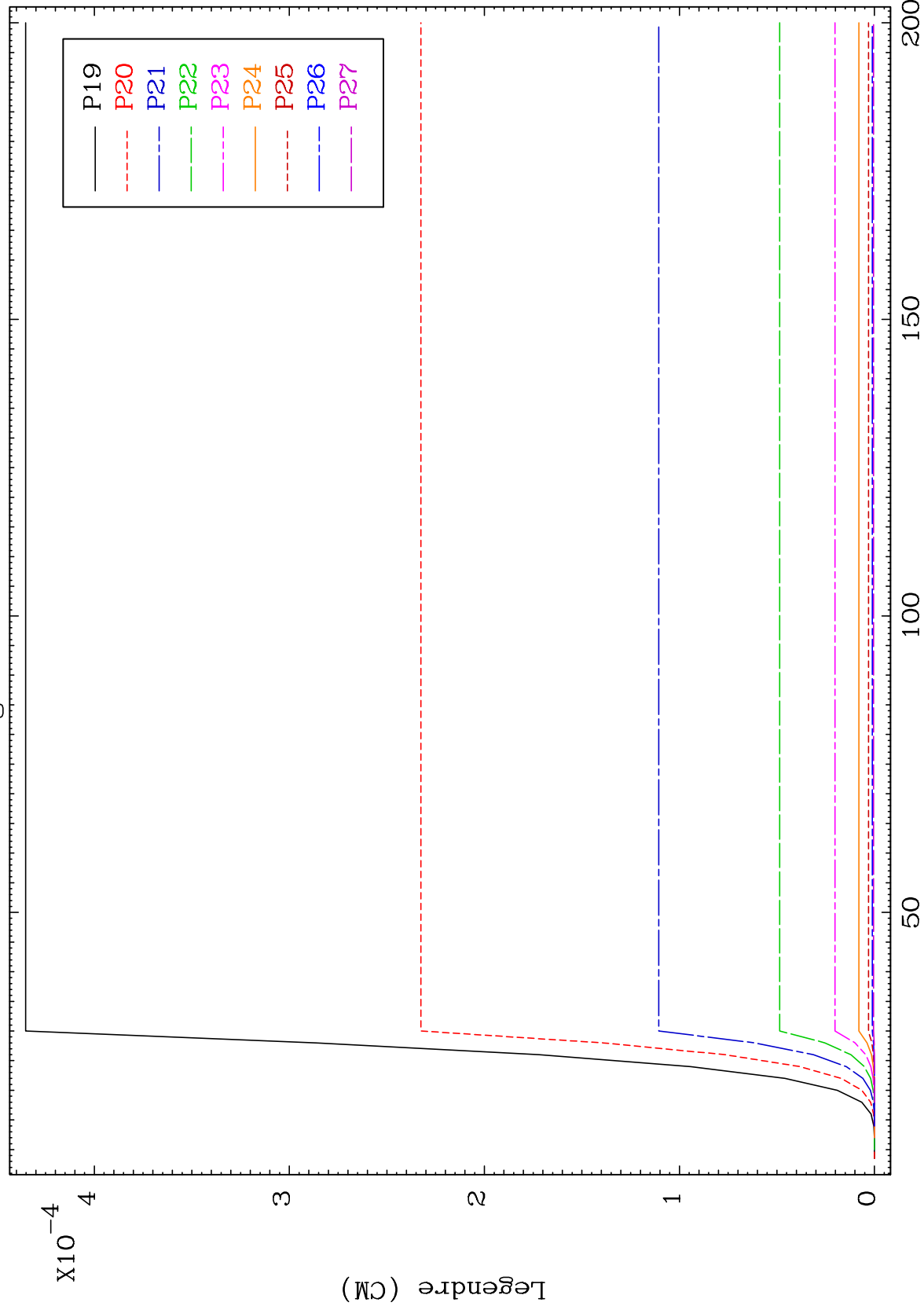
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



74

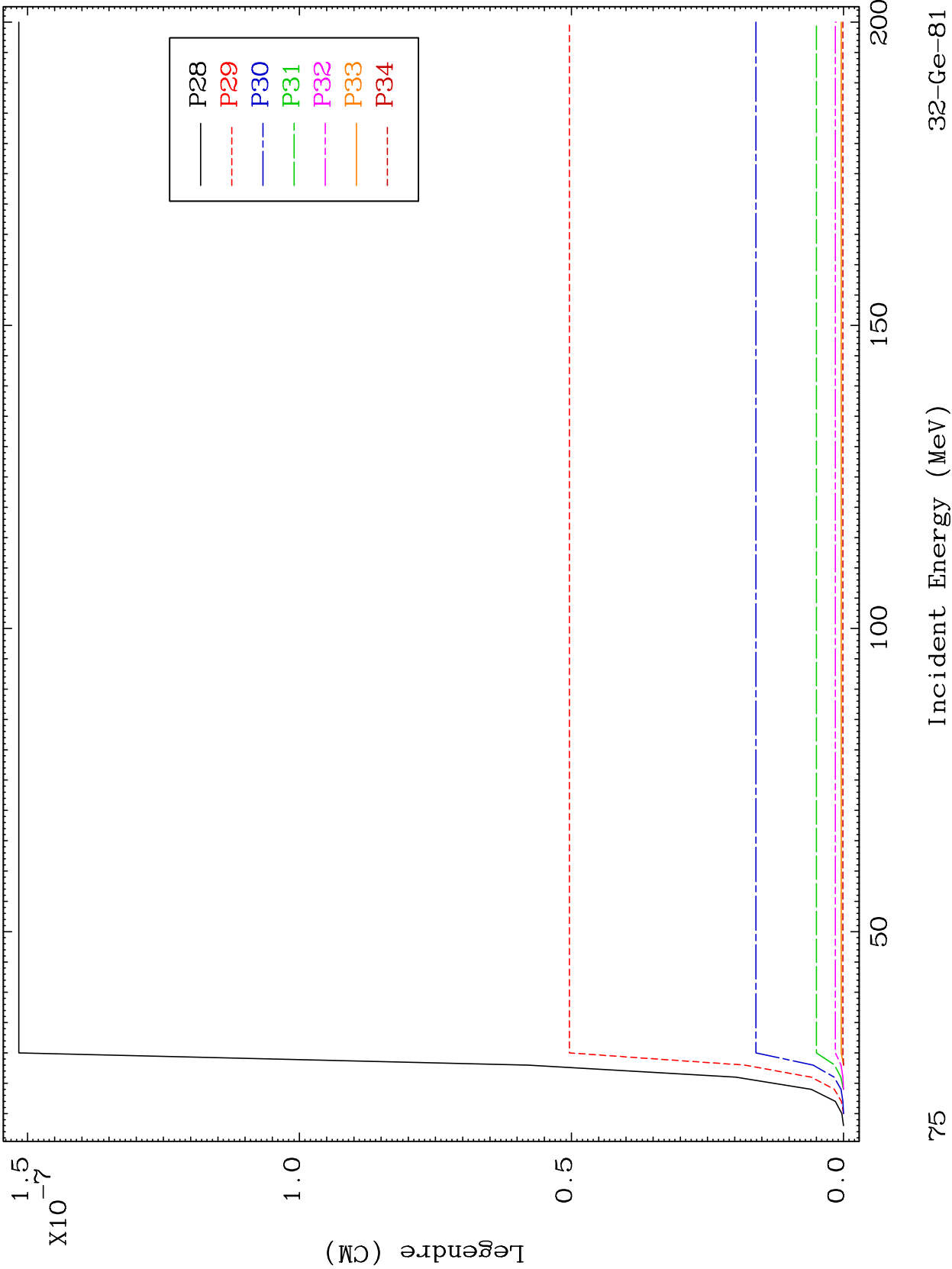
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81

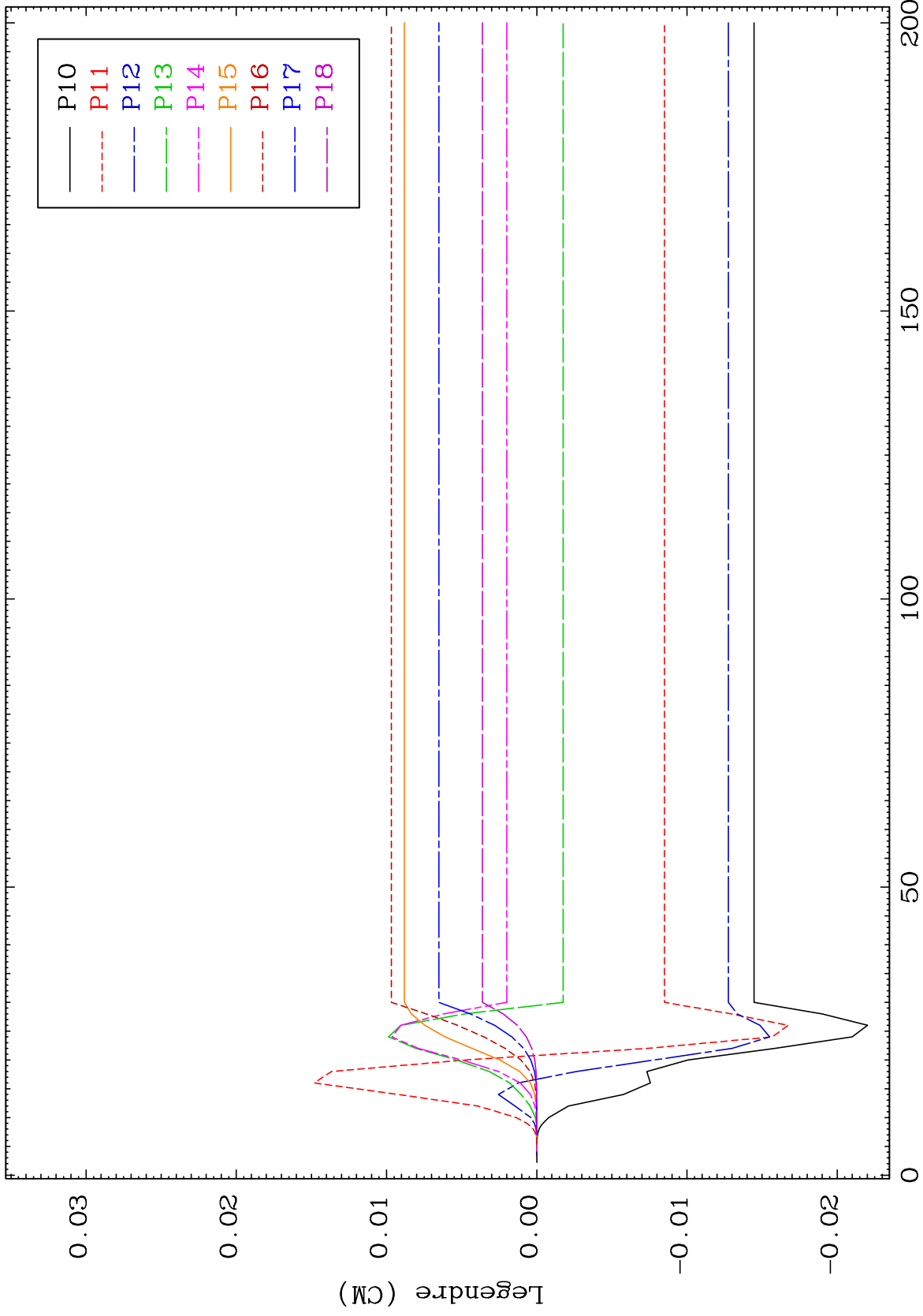




MAT 3258

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

32-Ge-81



77

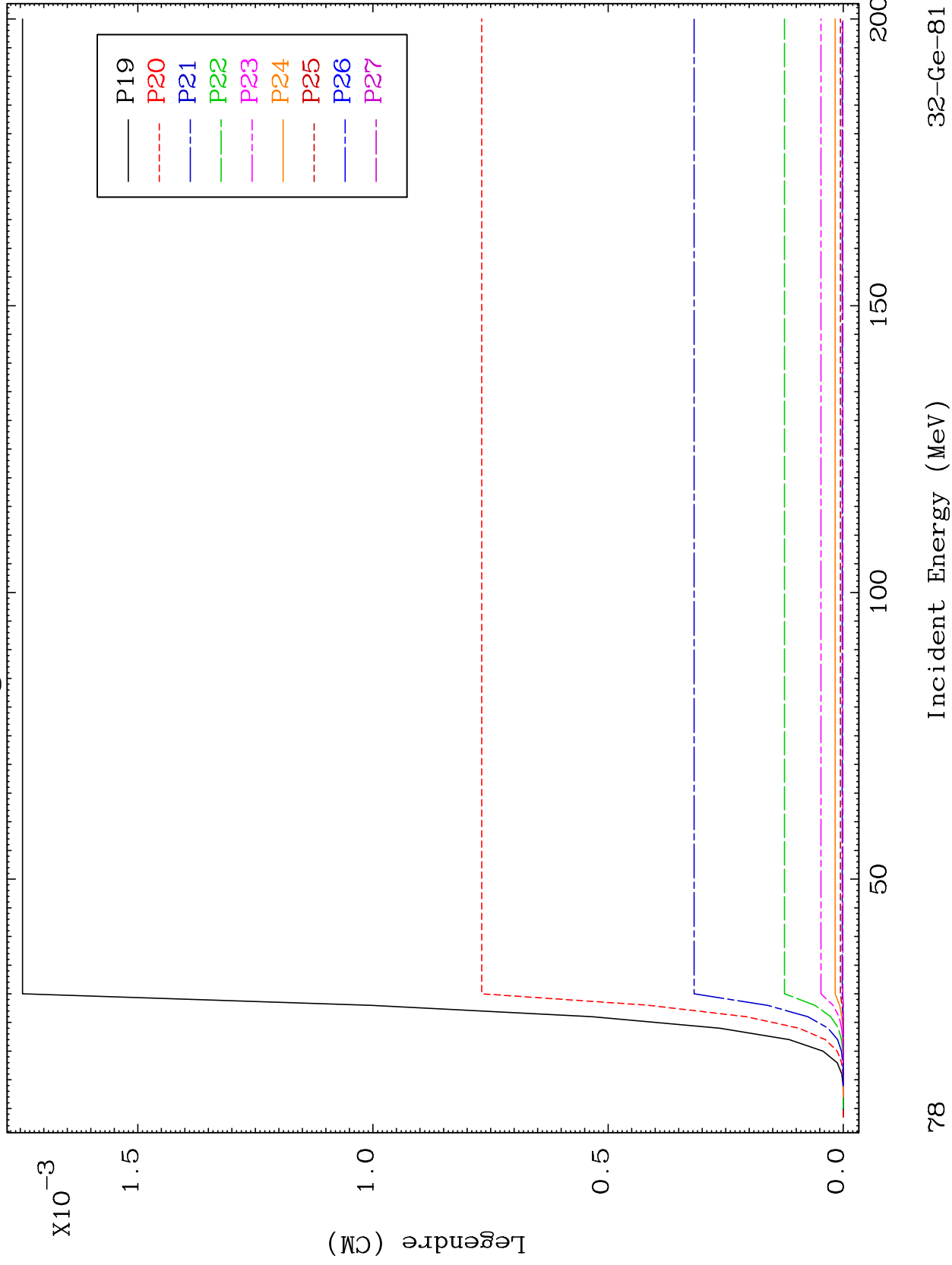
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



78

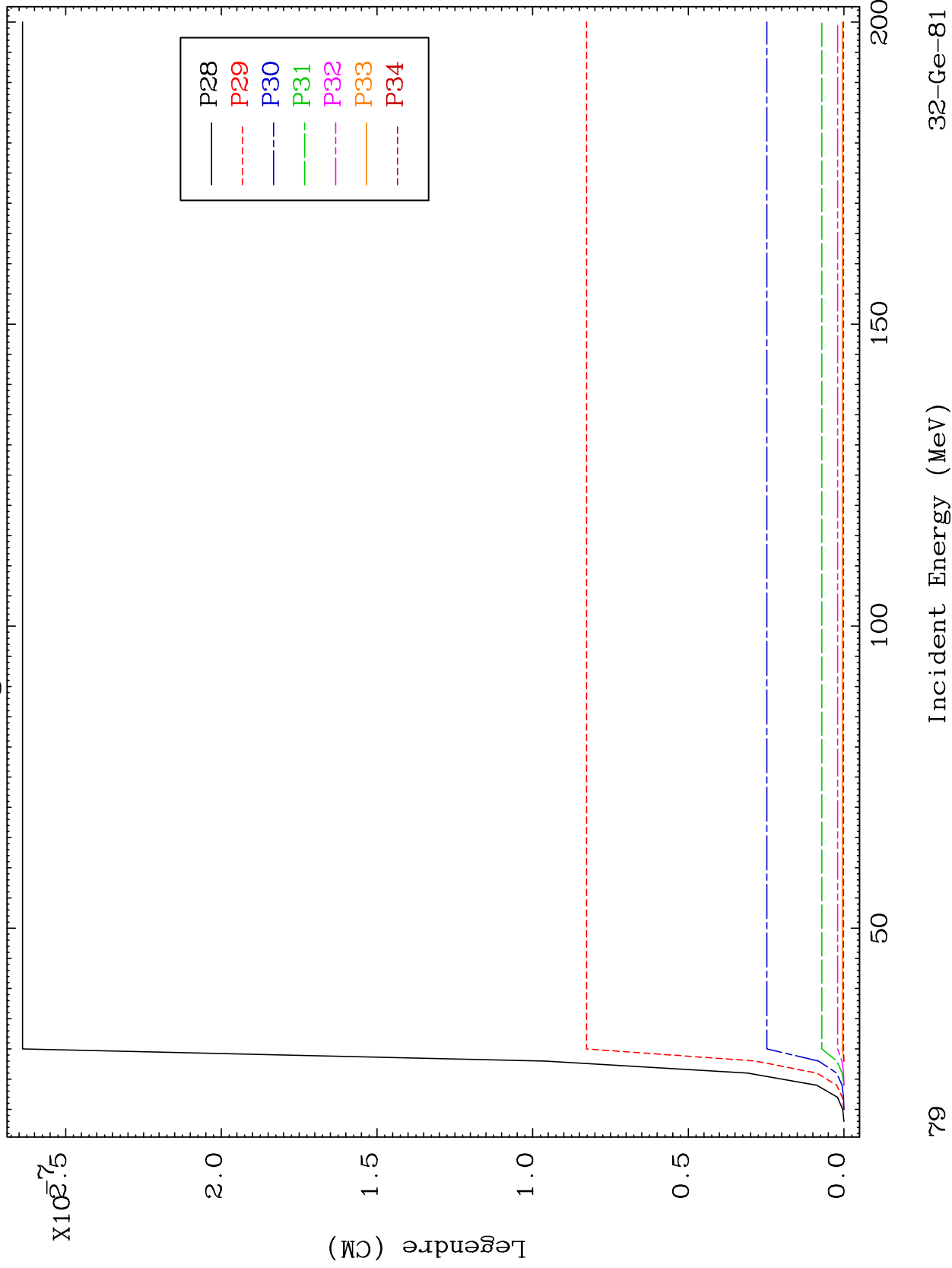
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



79

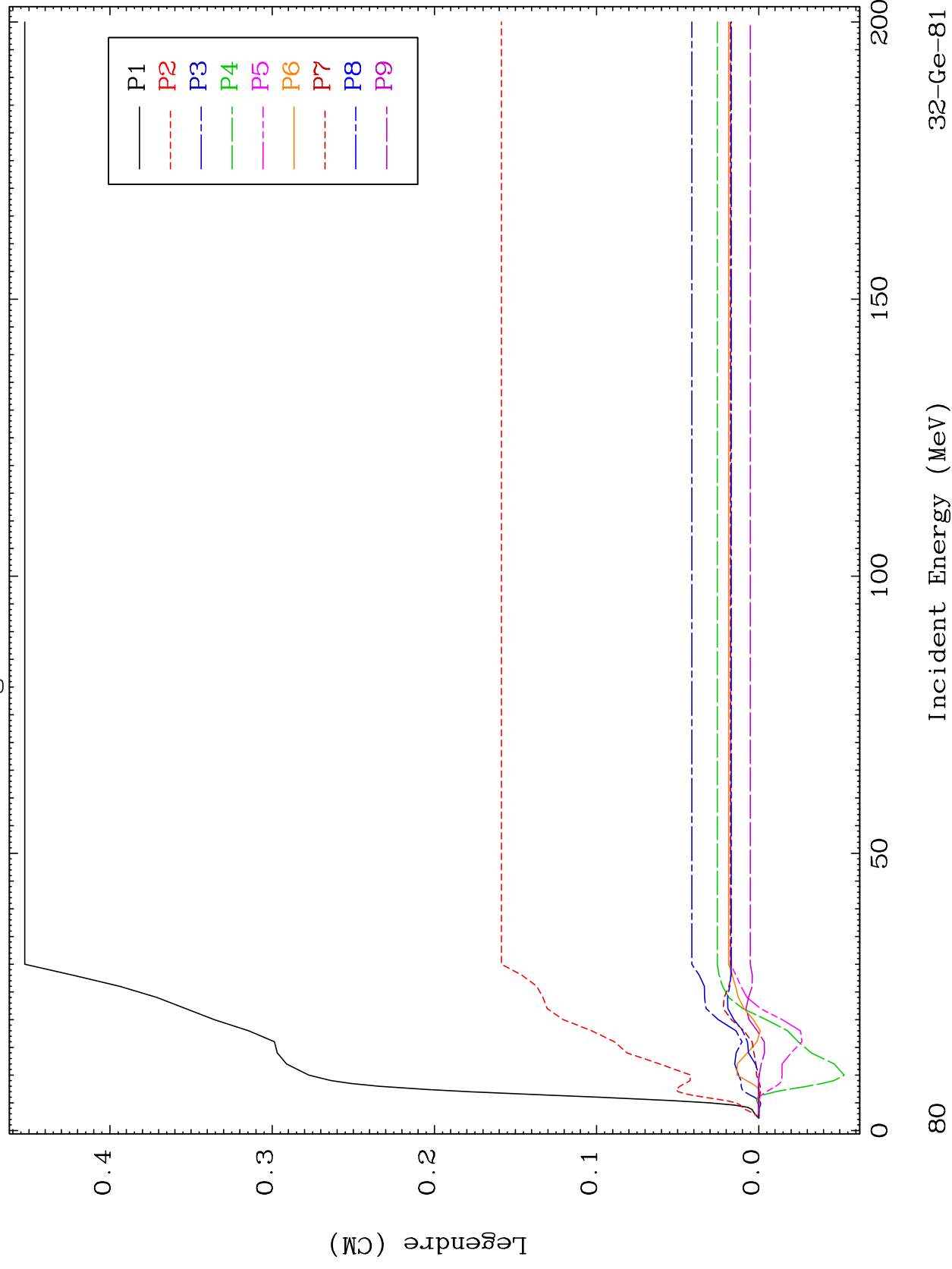
32-Ge-81



MAT 3258

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

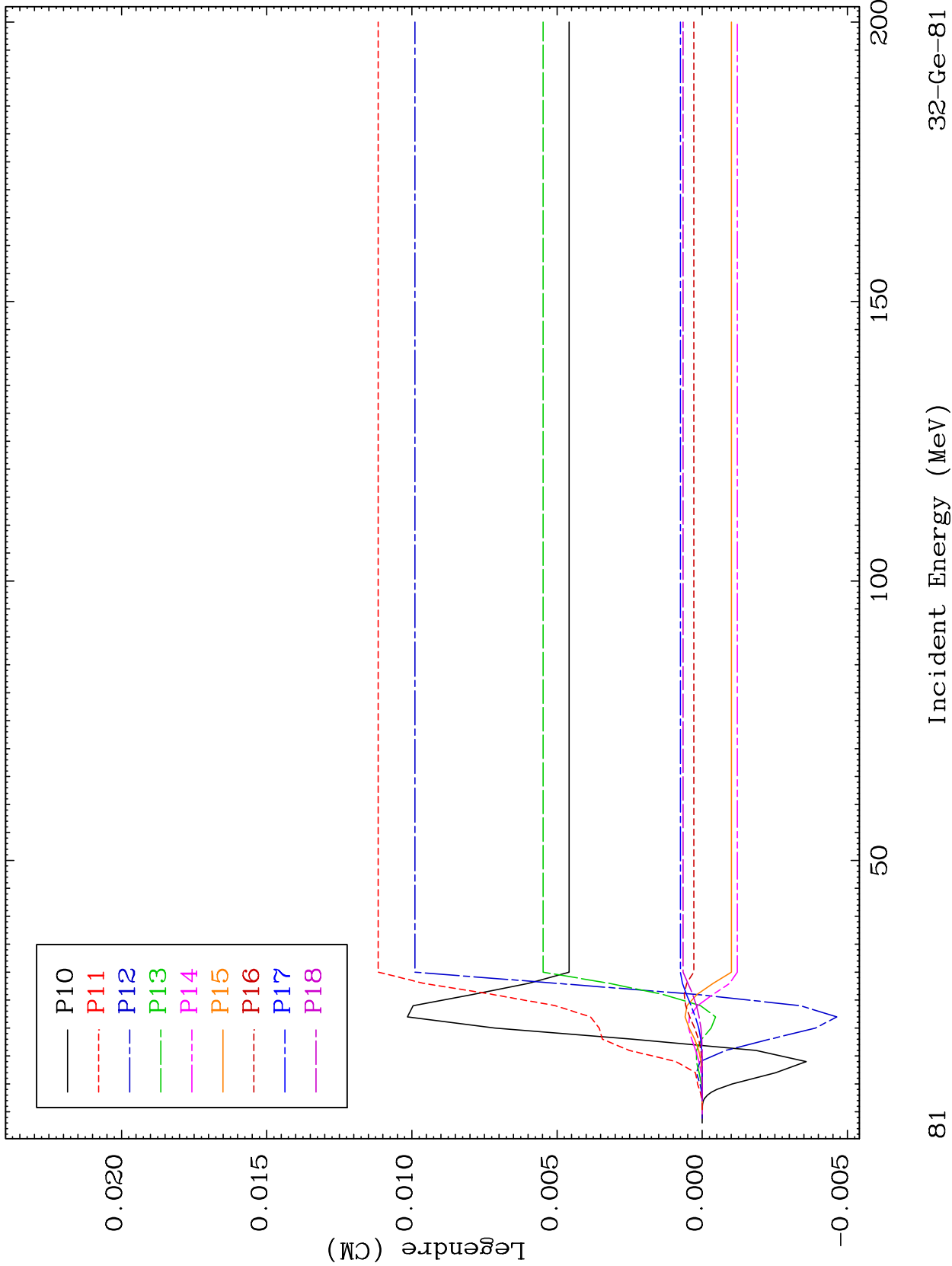
32-Ge-81



32-Ge-81

Incident Energy (MeV)

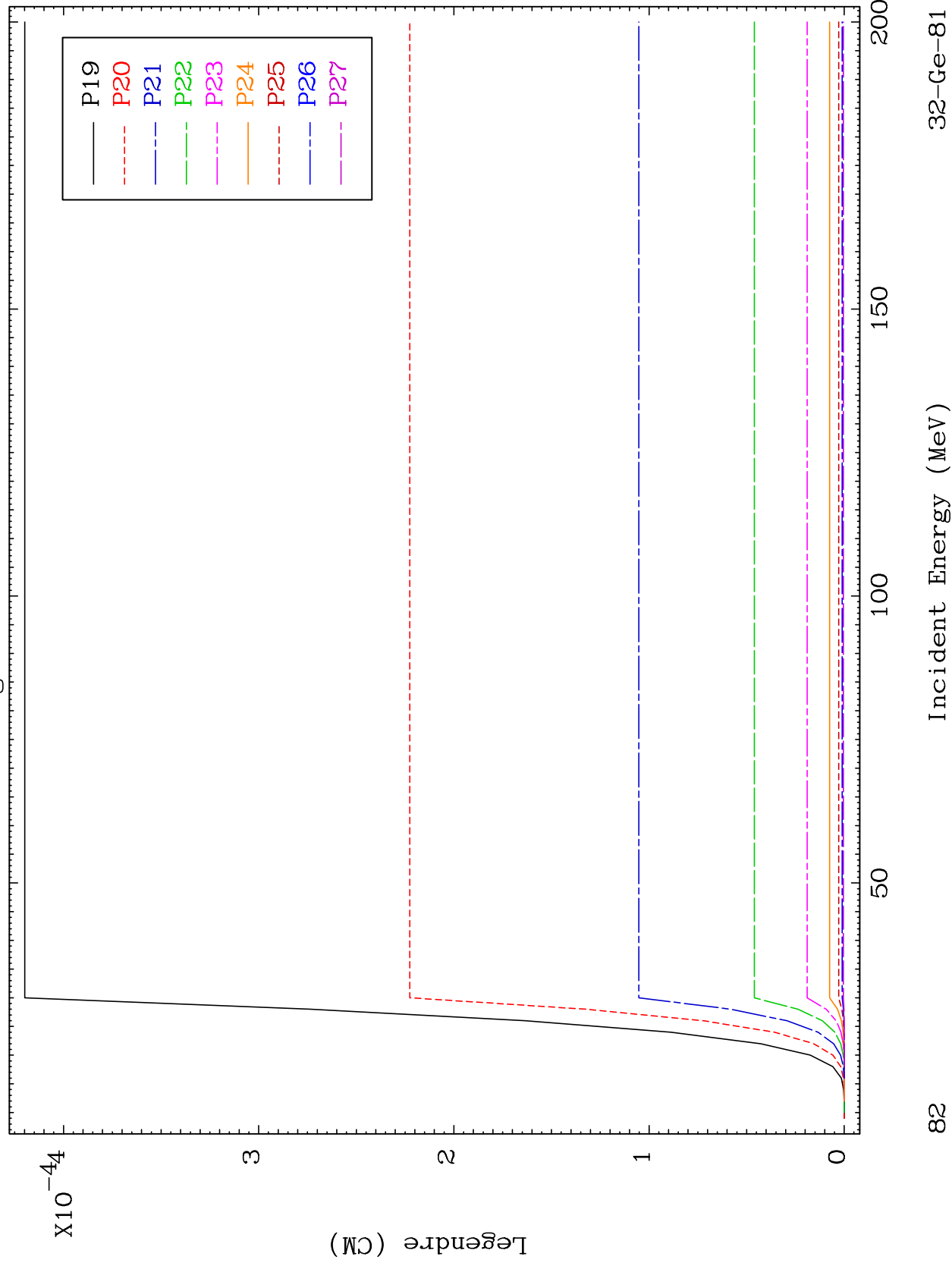
80



MAT 3258

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

32-Ge-81



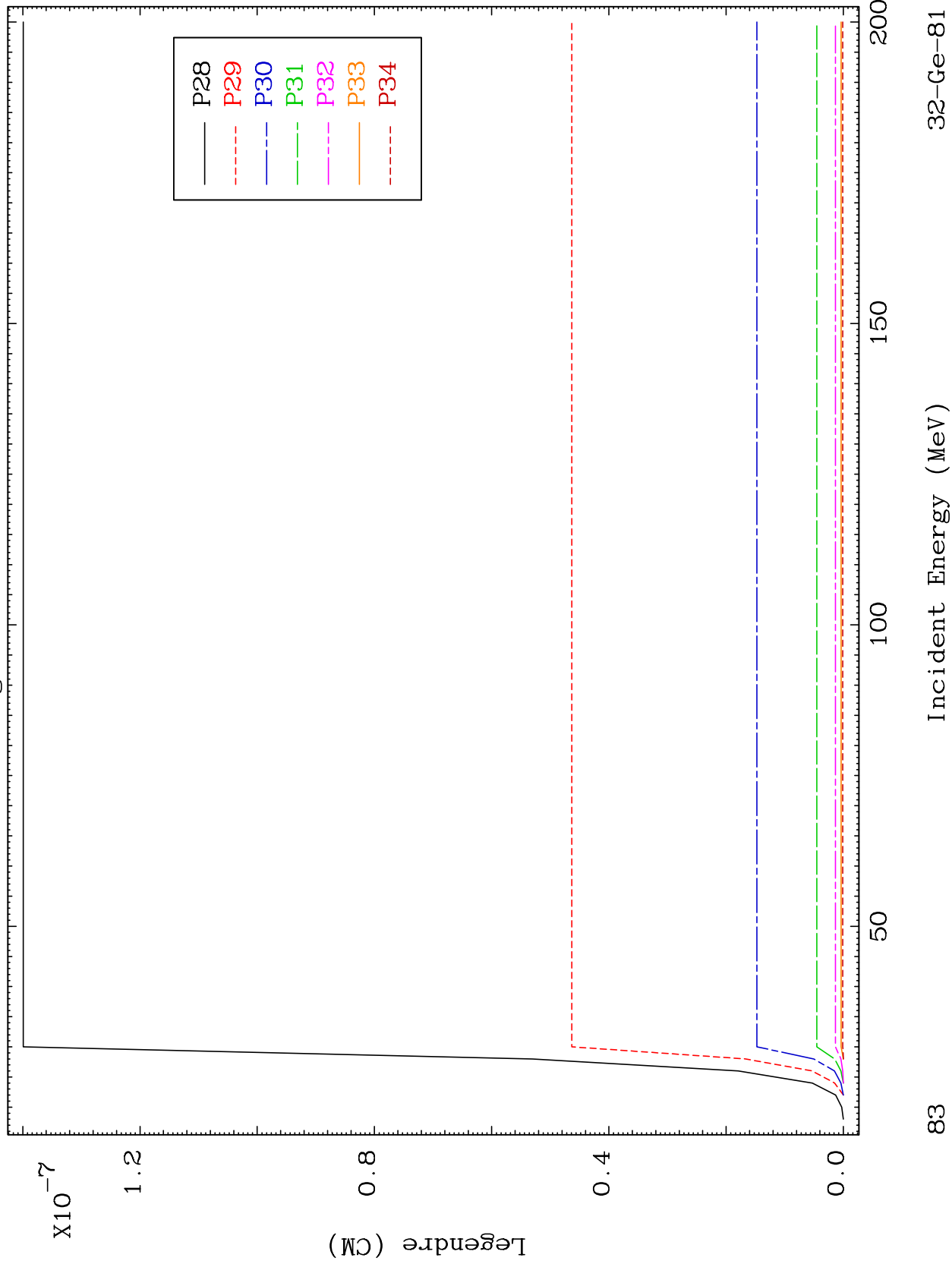
82

32-Ge-81

MAT 3258

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

32-Ge-81



83

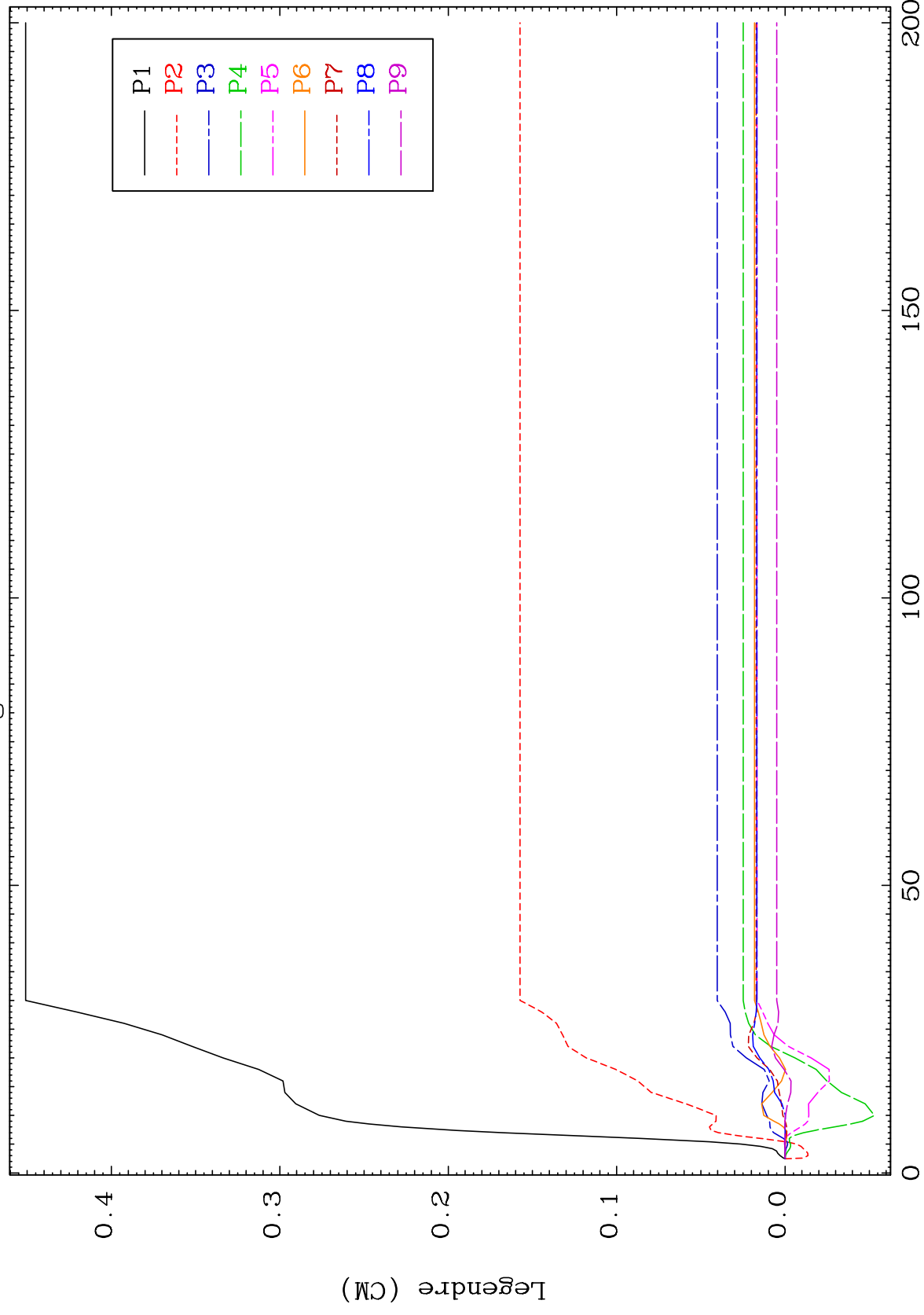
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



84

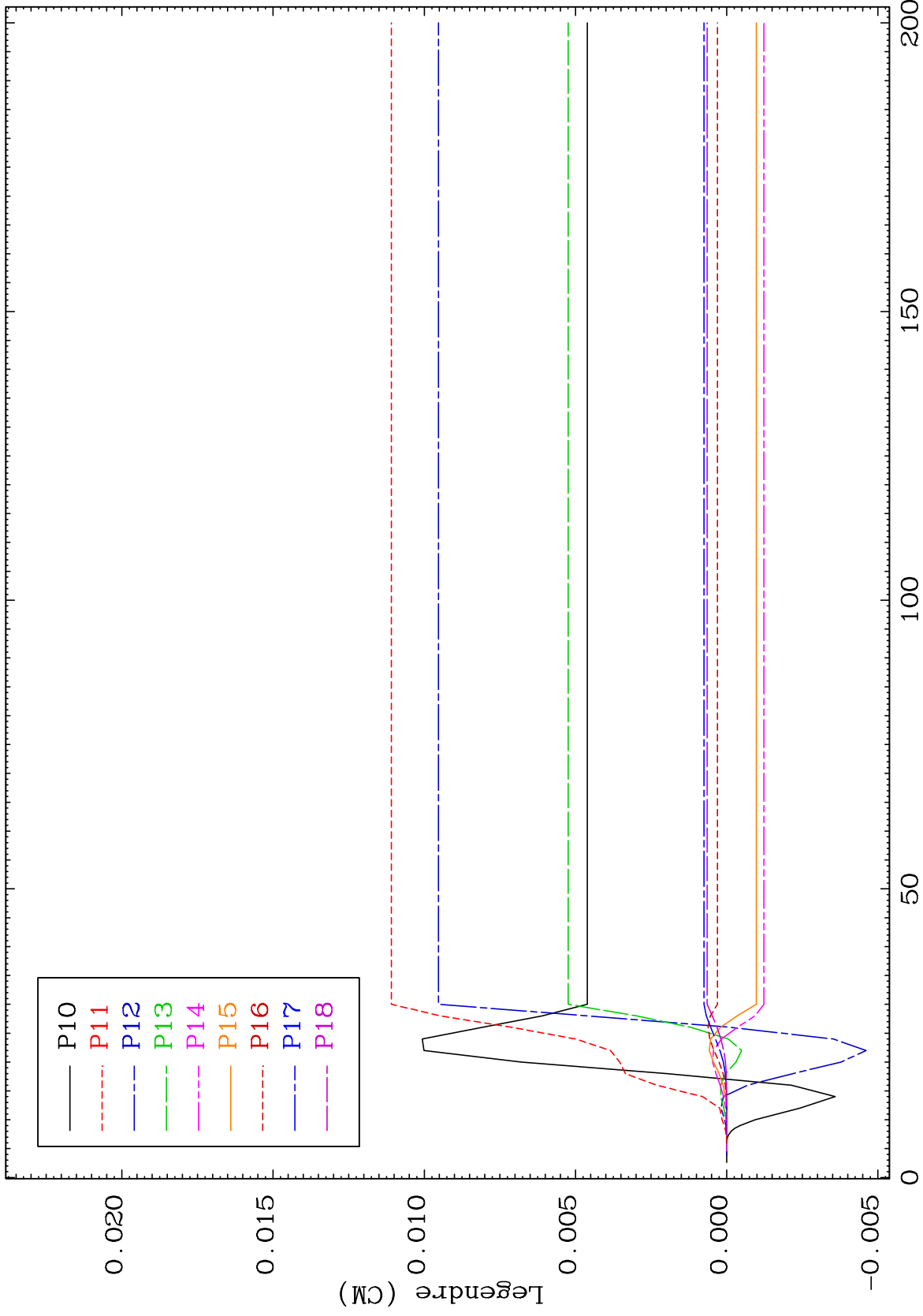
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



85

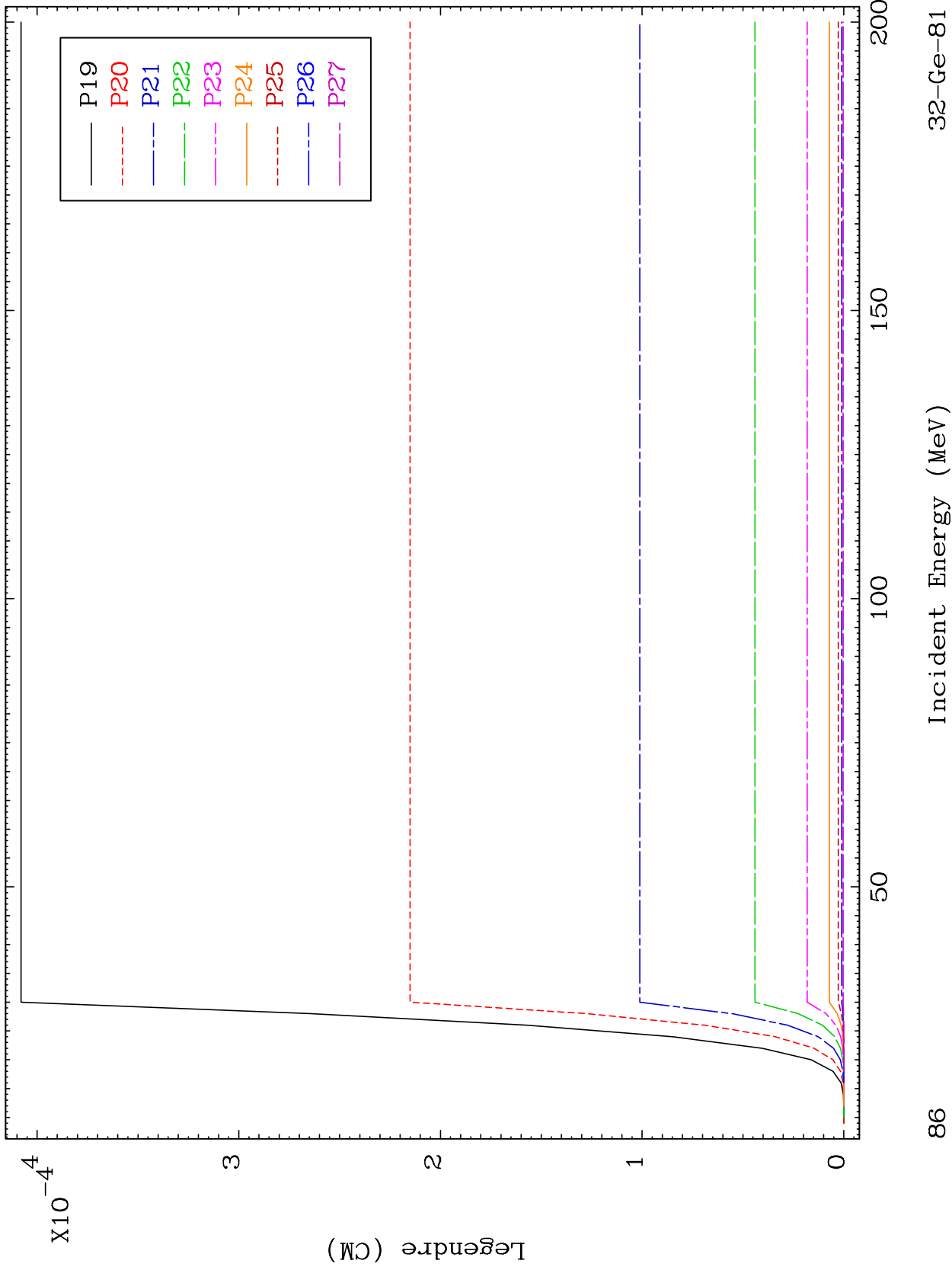
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



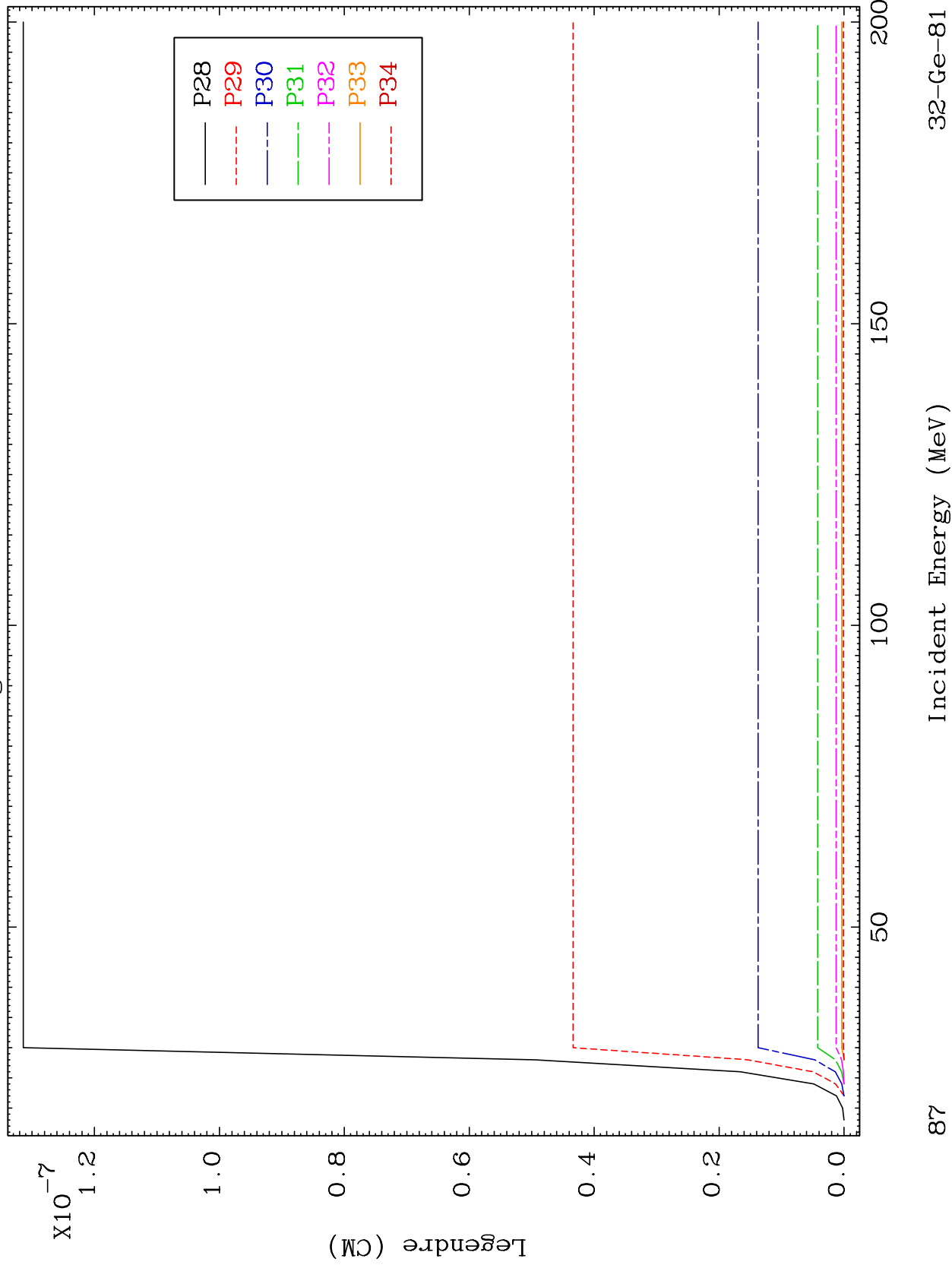
86

32-Ge-81

MAT 3258

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

32-Ge-81

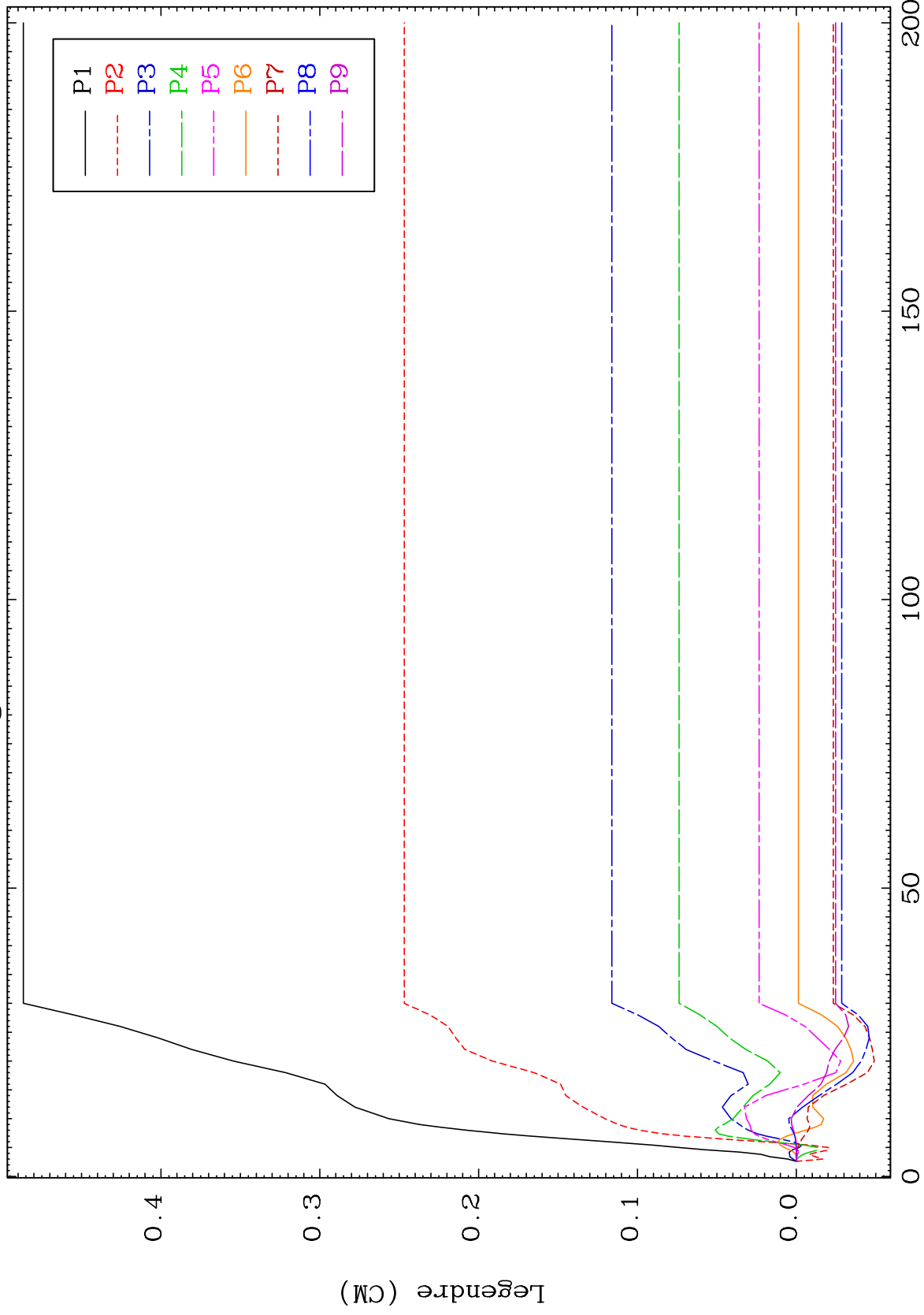




MAT 3258

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

32-Ge-81



88

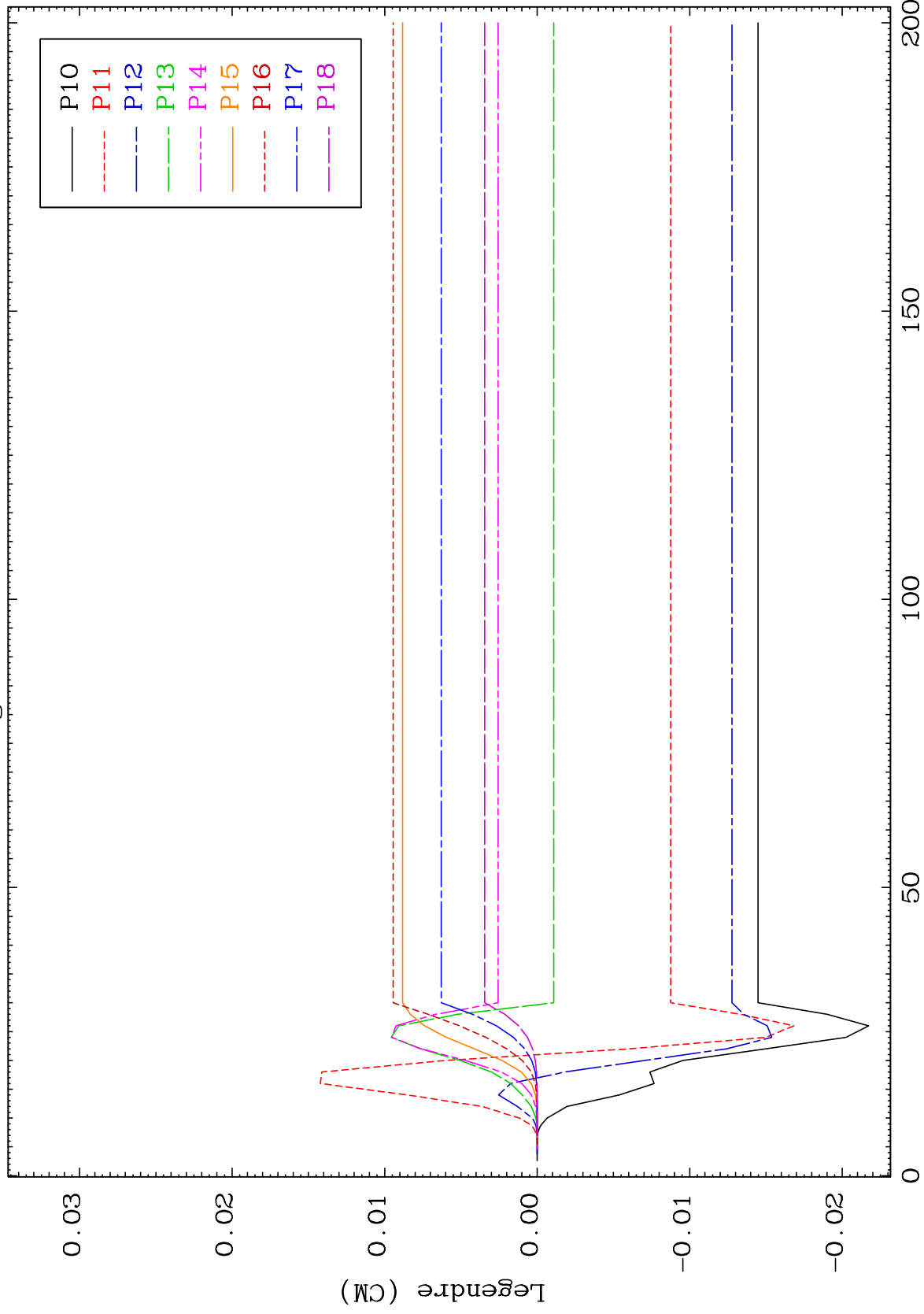
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



89

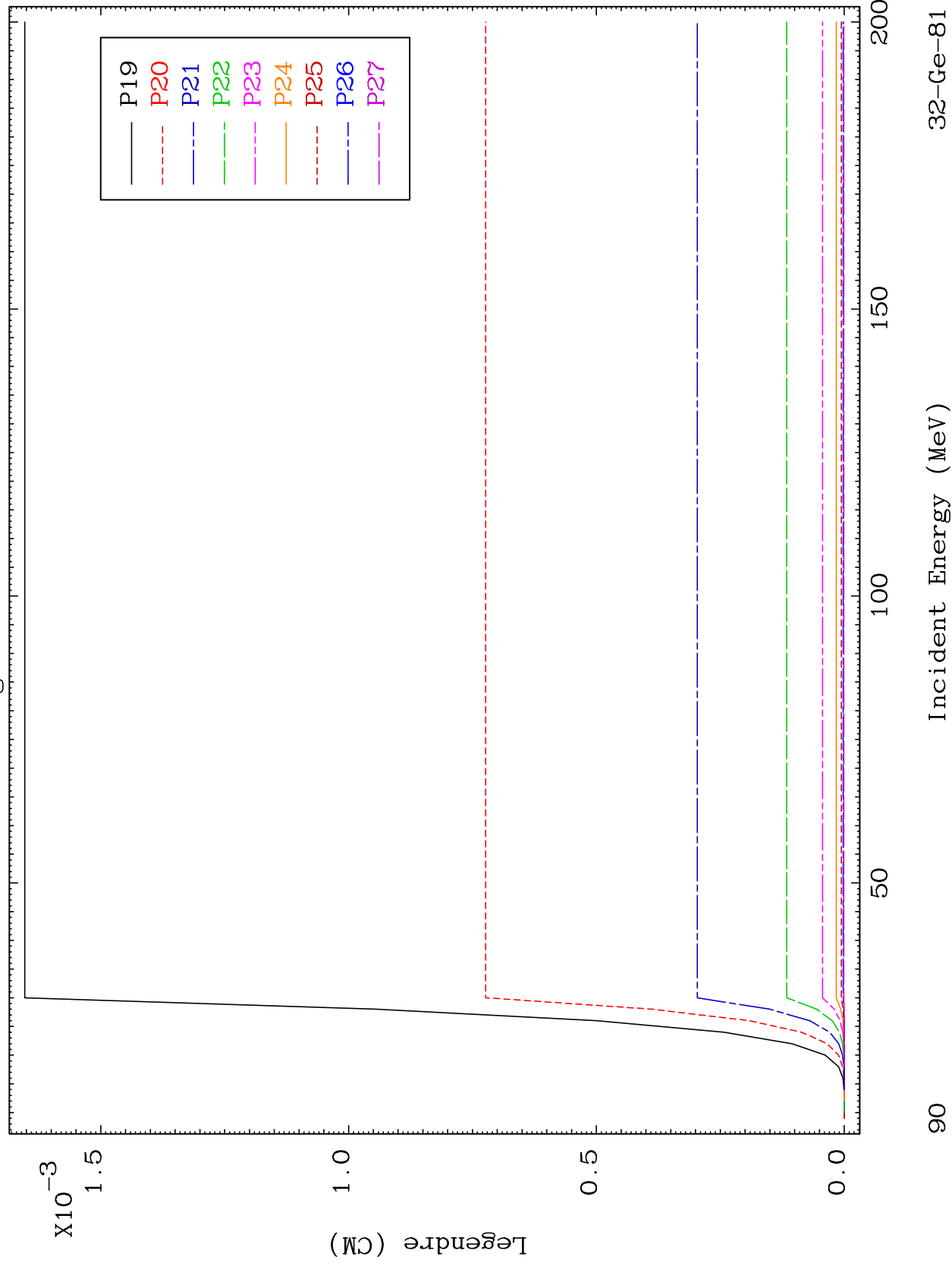
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

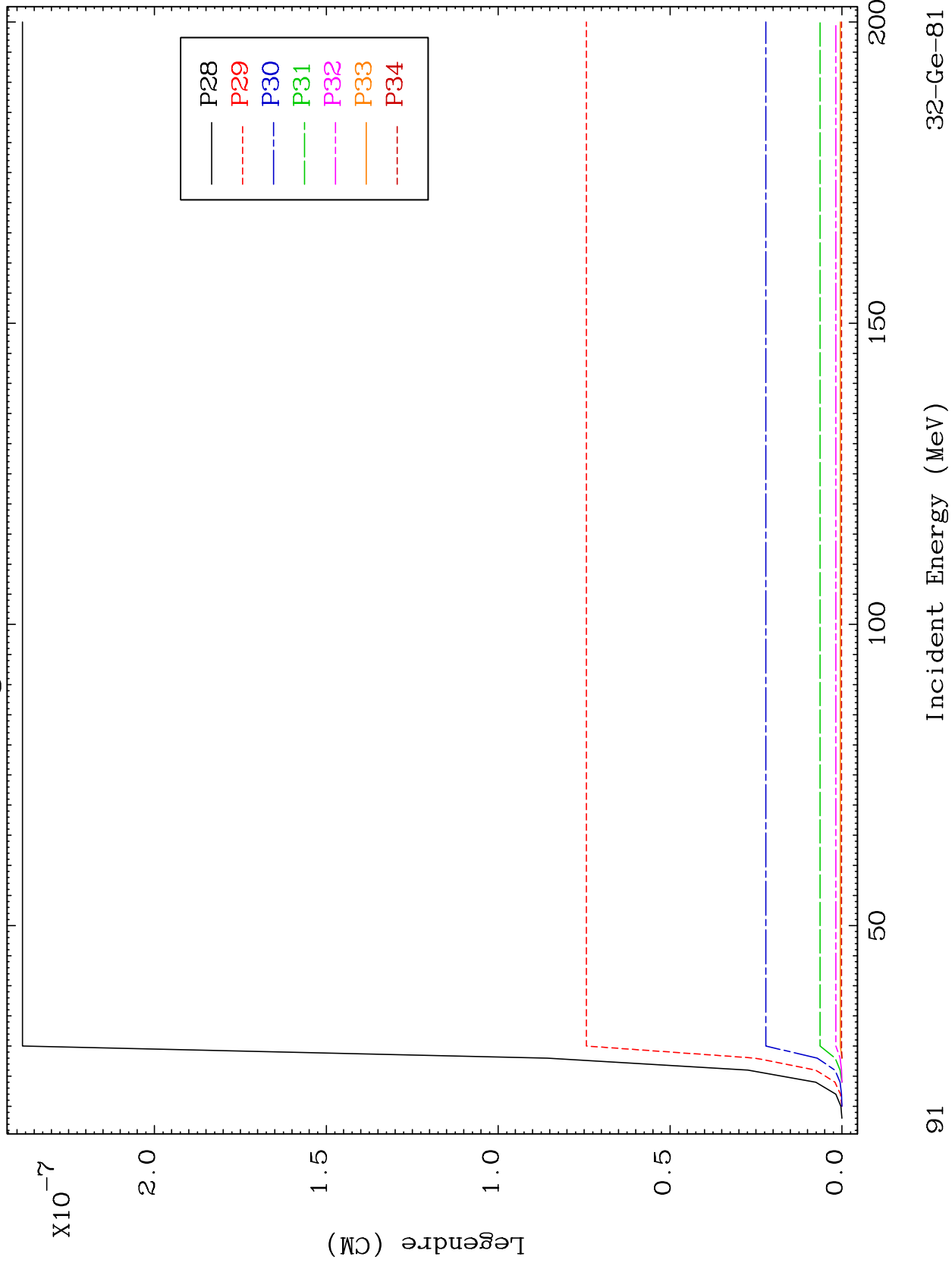
32-Ge-81



MAT 3258

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

32-Ge-81



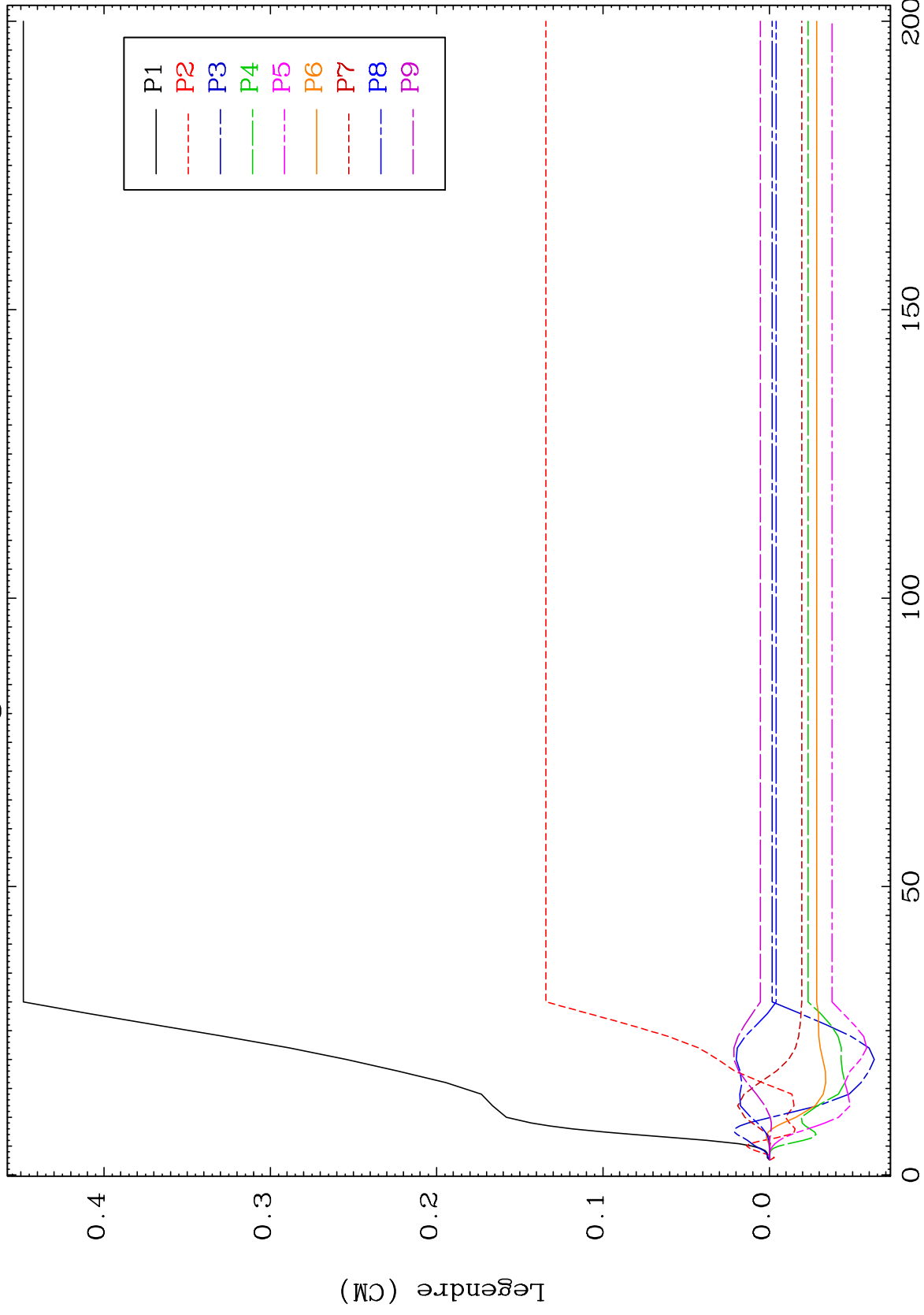
91

32-Ge-81

MAT 3258

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

32-Ge-81

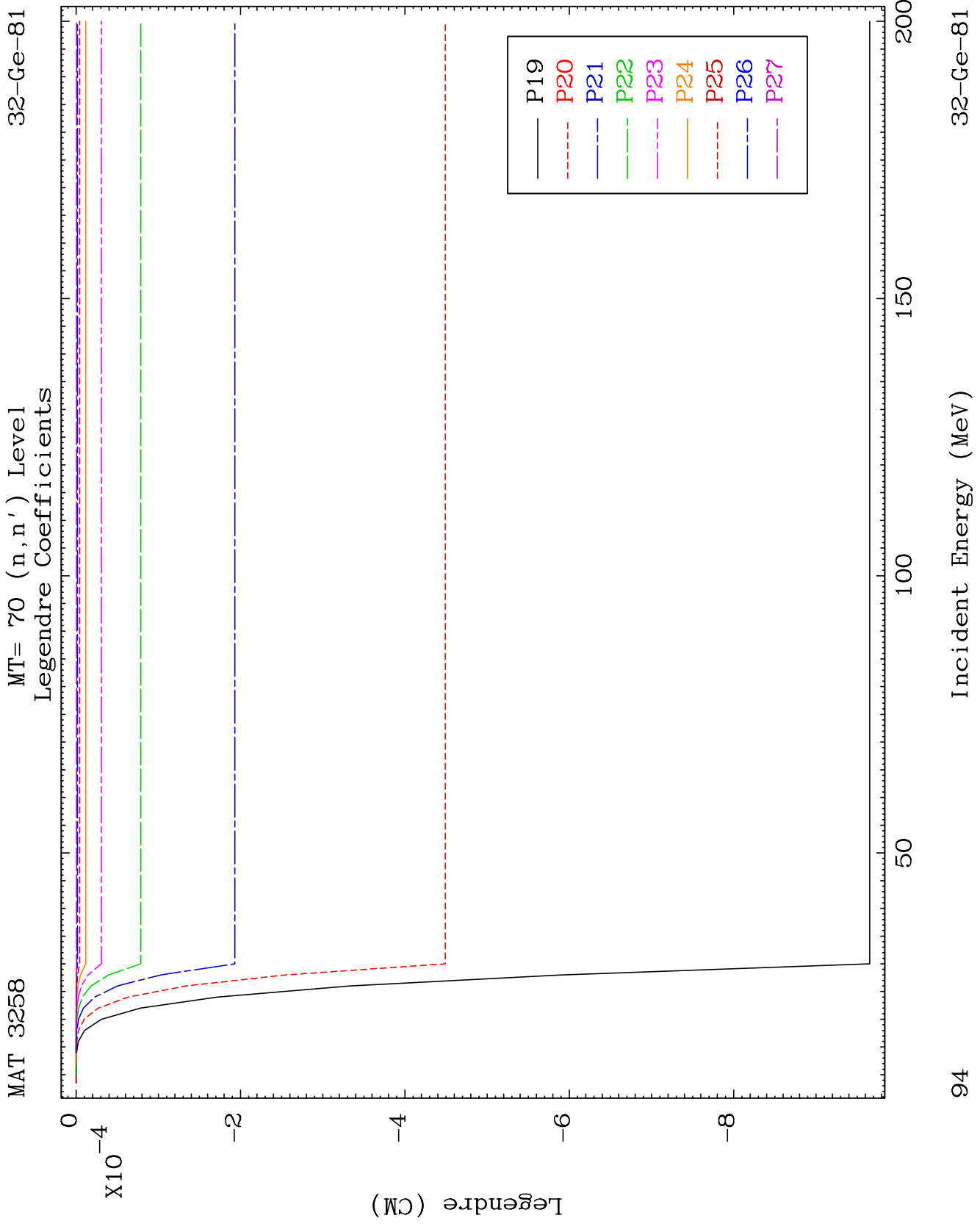


92

Incident Energy (MeV)

32-Ge-81





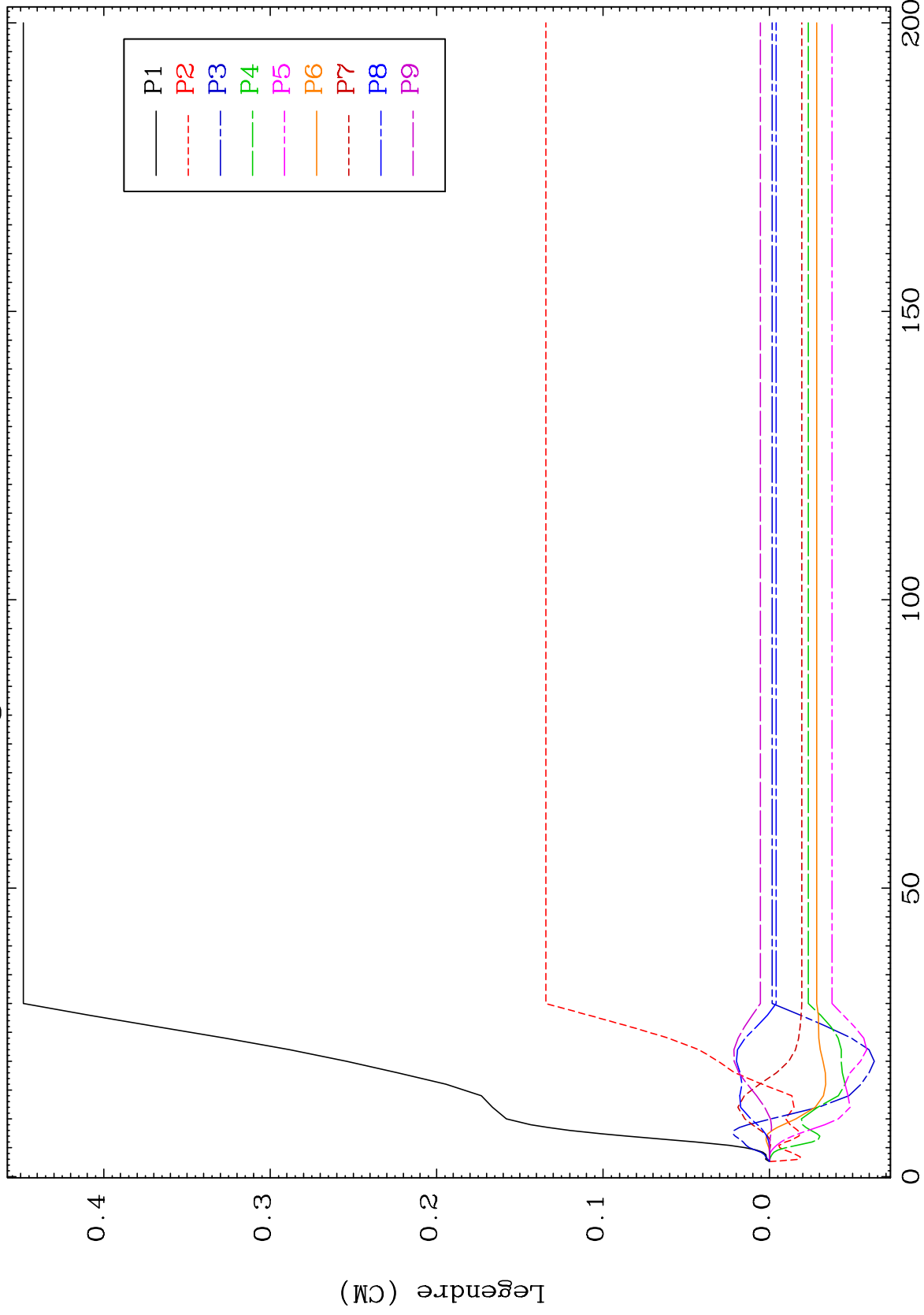




MAT 3258

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

32-Ge-81

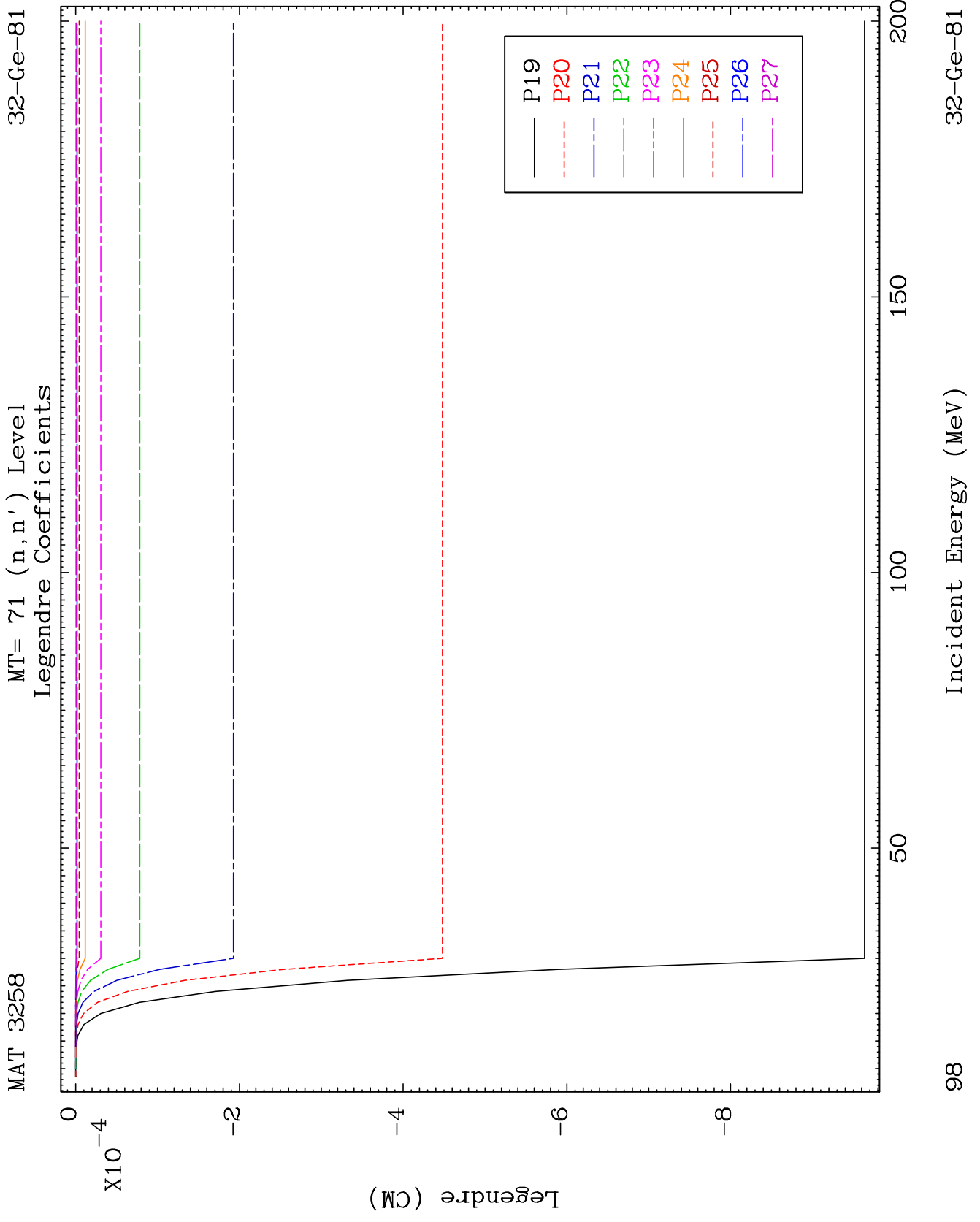


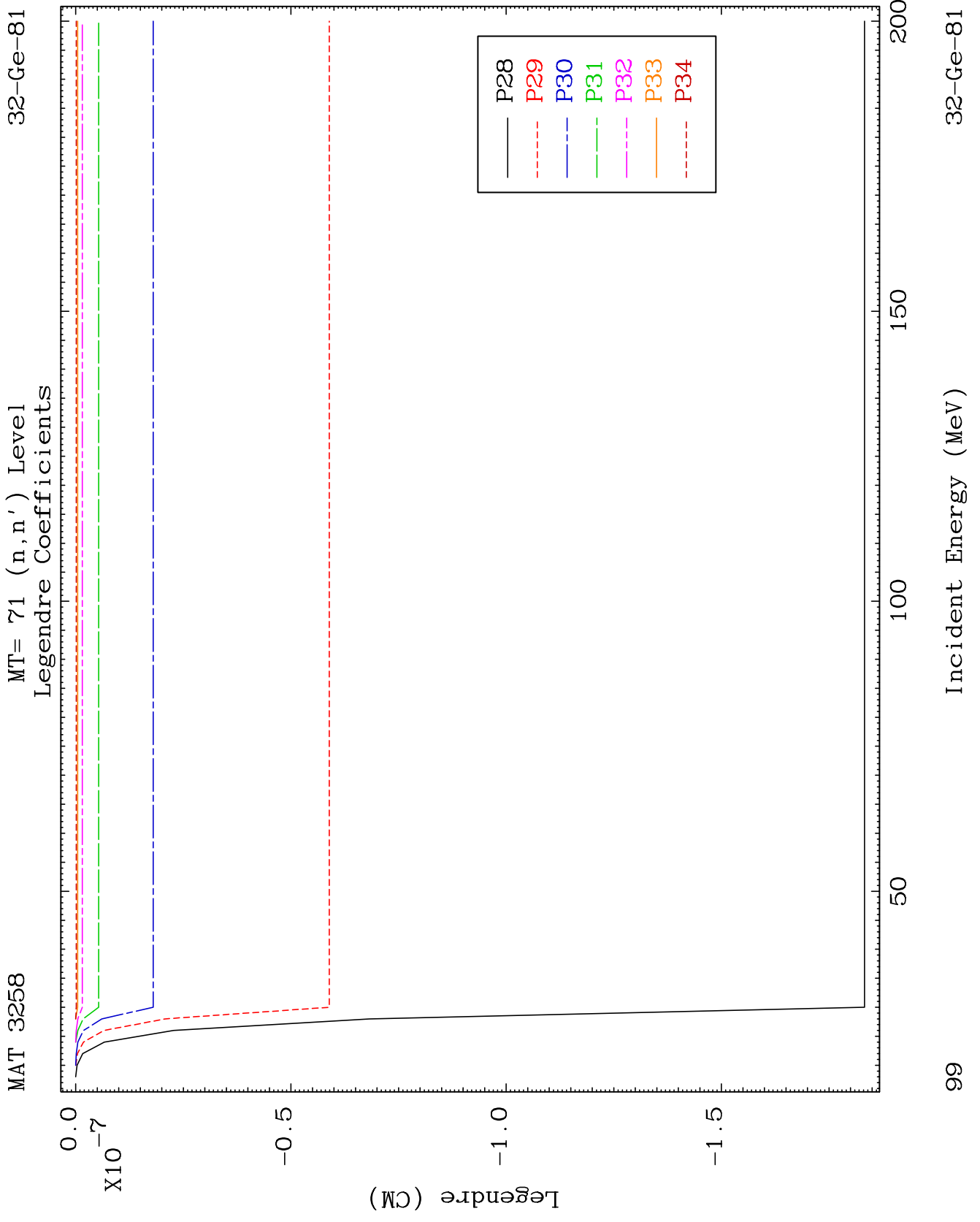
96

Incident Energy (MeV)

32-Ge-81



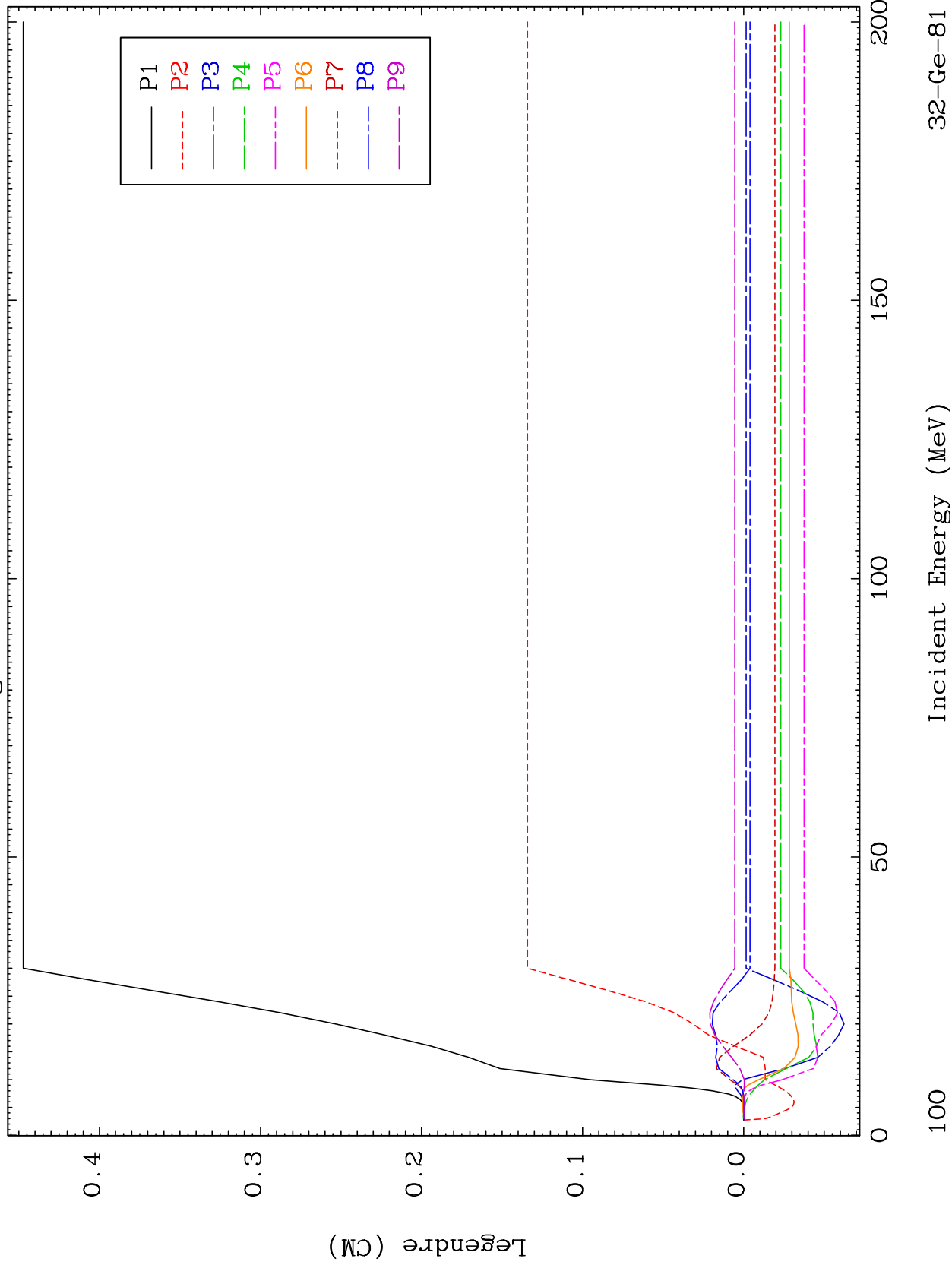




MAT 3258

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

32-Ge-81

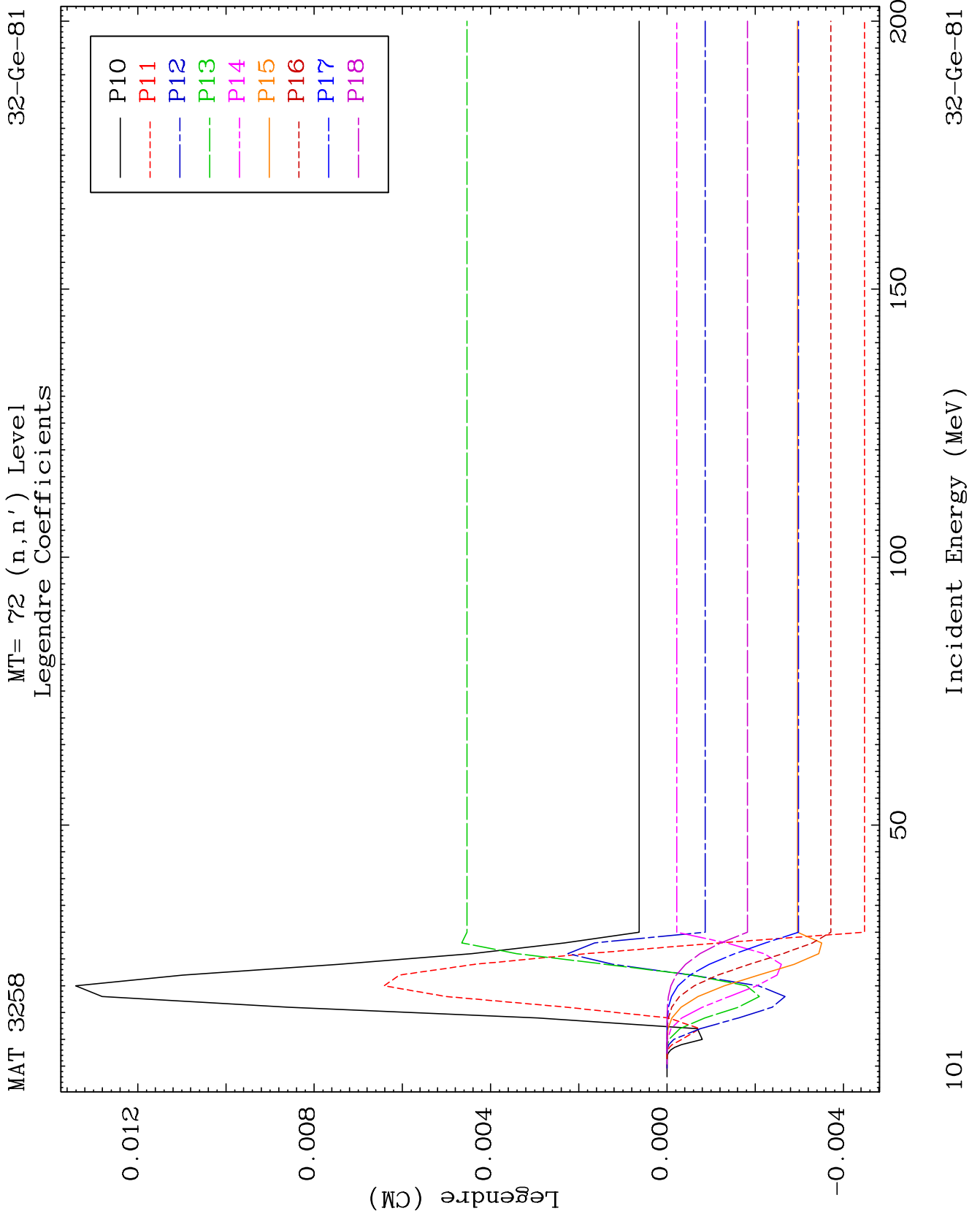


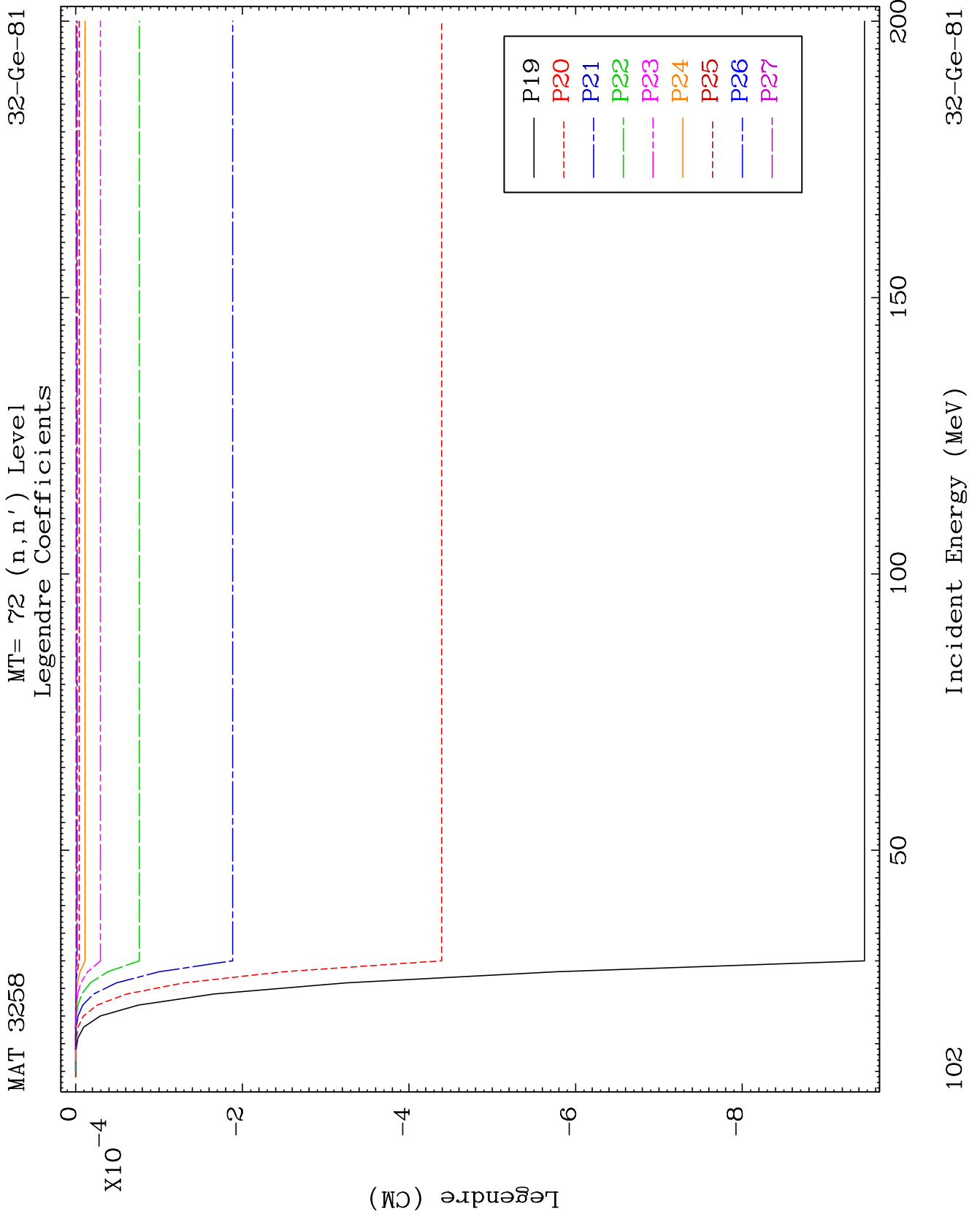
32-Ge-81

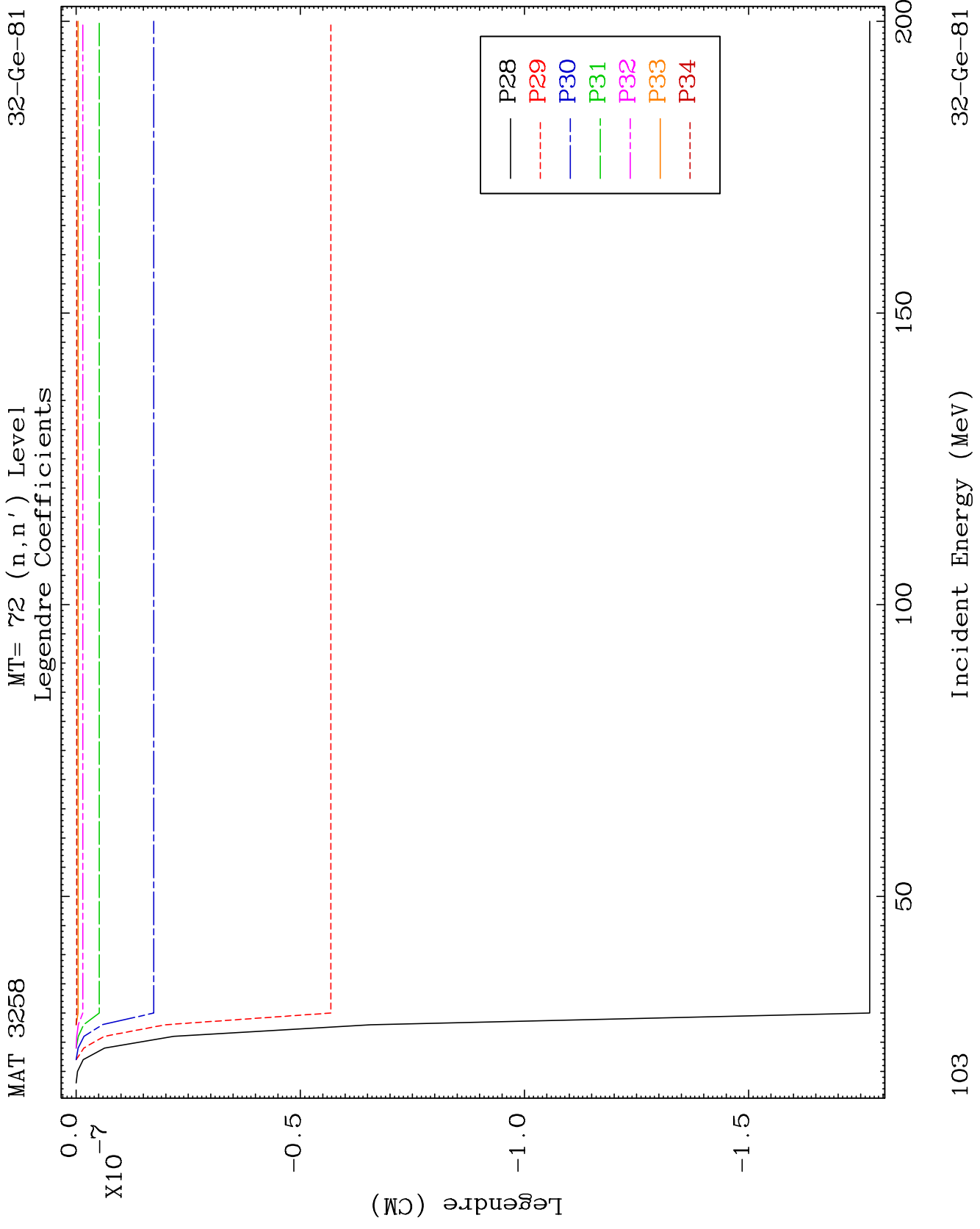
Incident Energy (MeV)

100

200





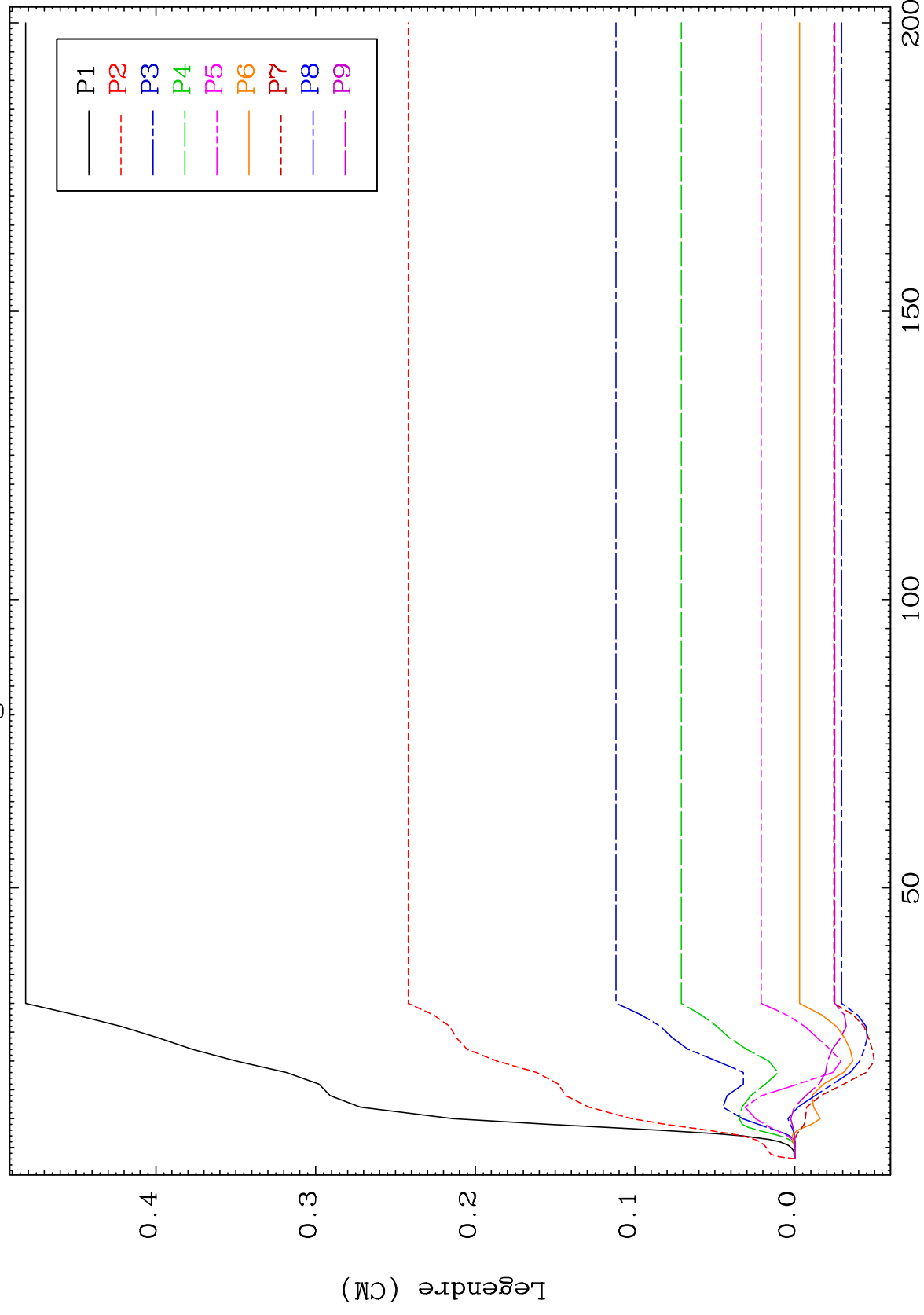




MAT 3258

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

32-Ge-81



104

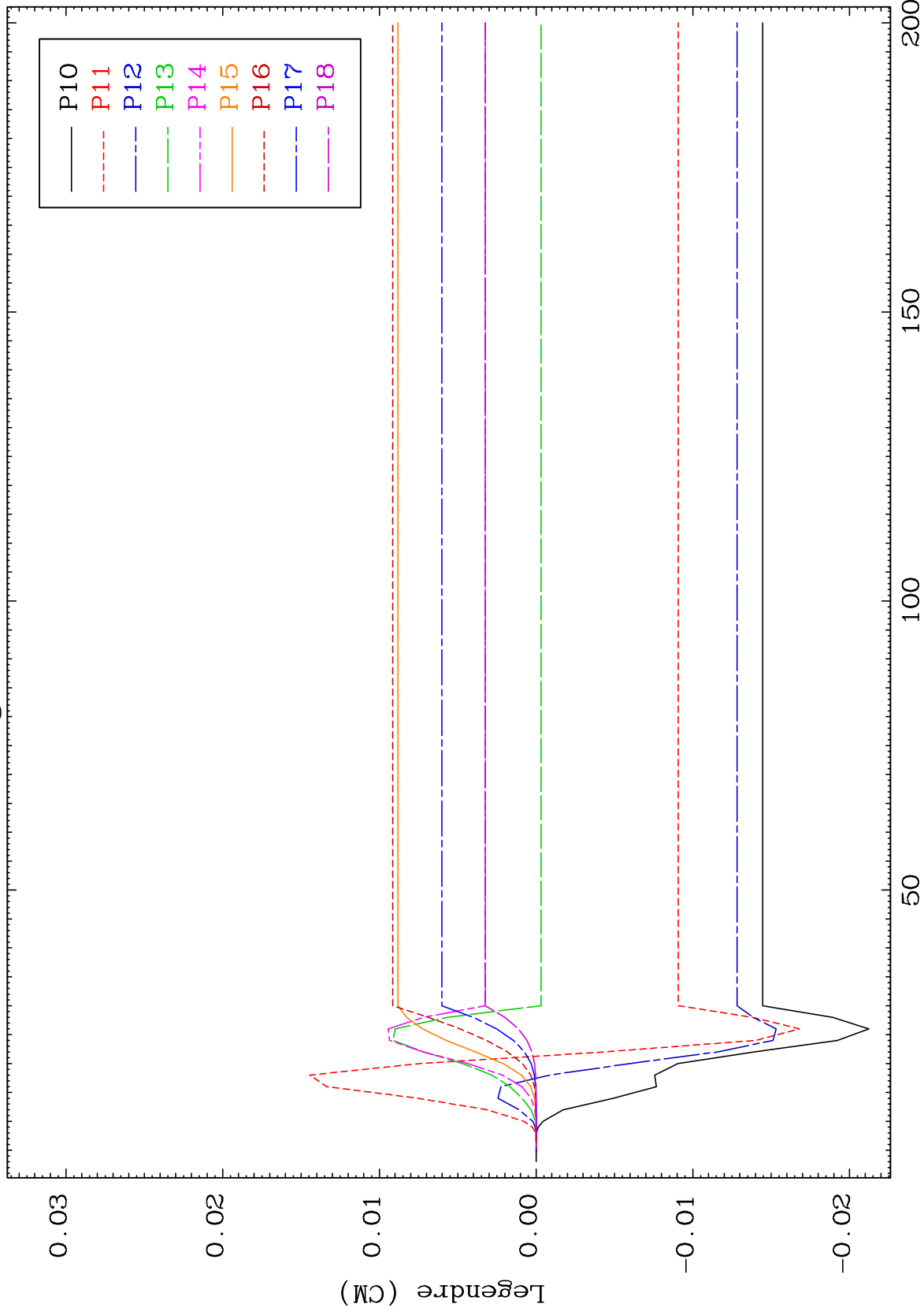
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



105

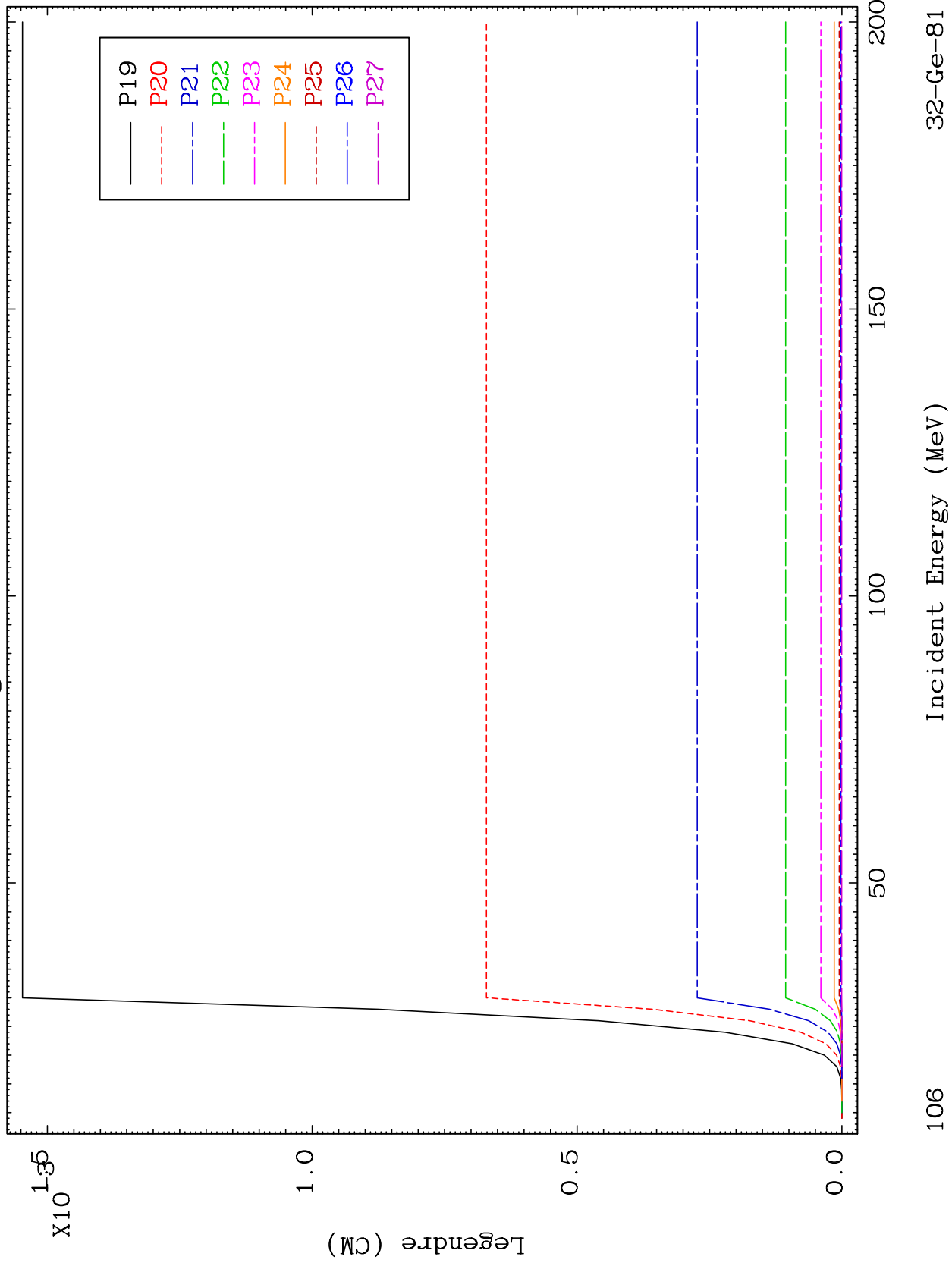
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



106

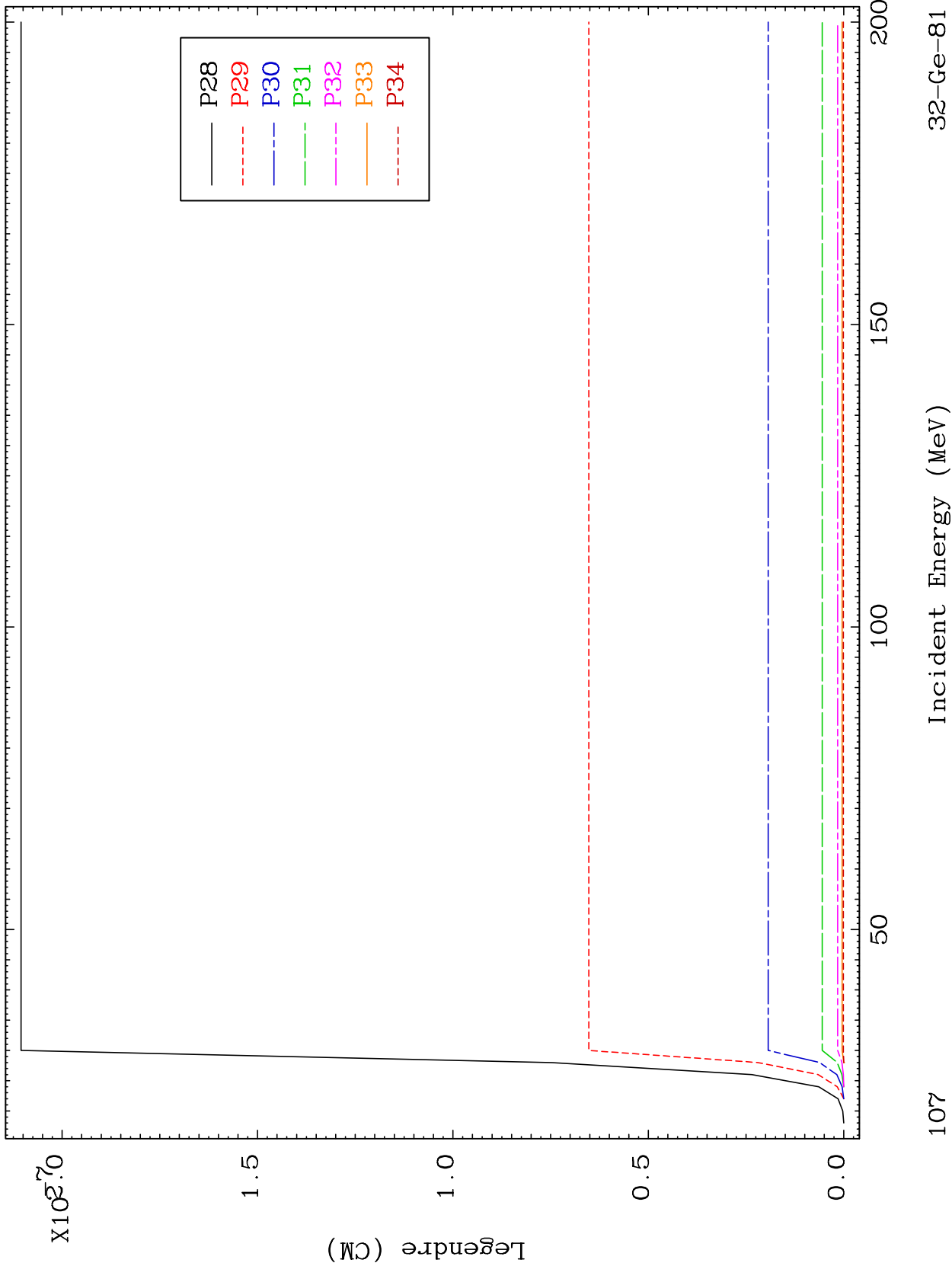
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



107

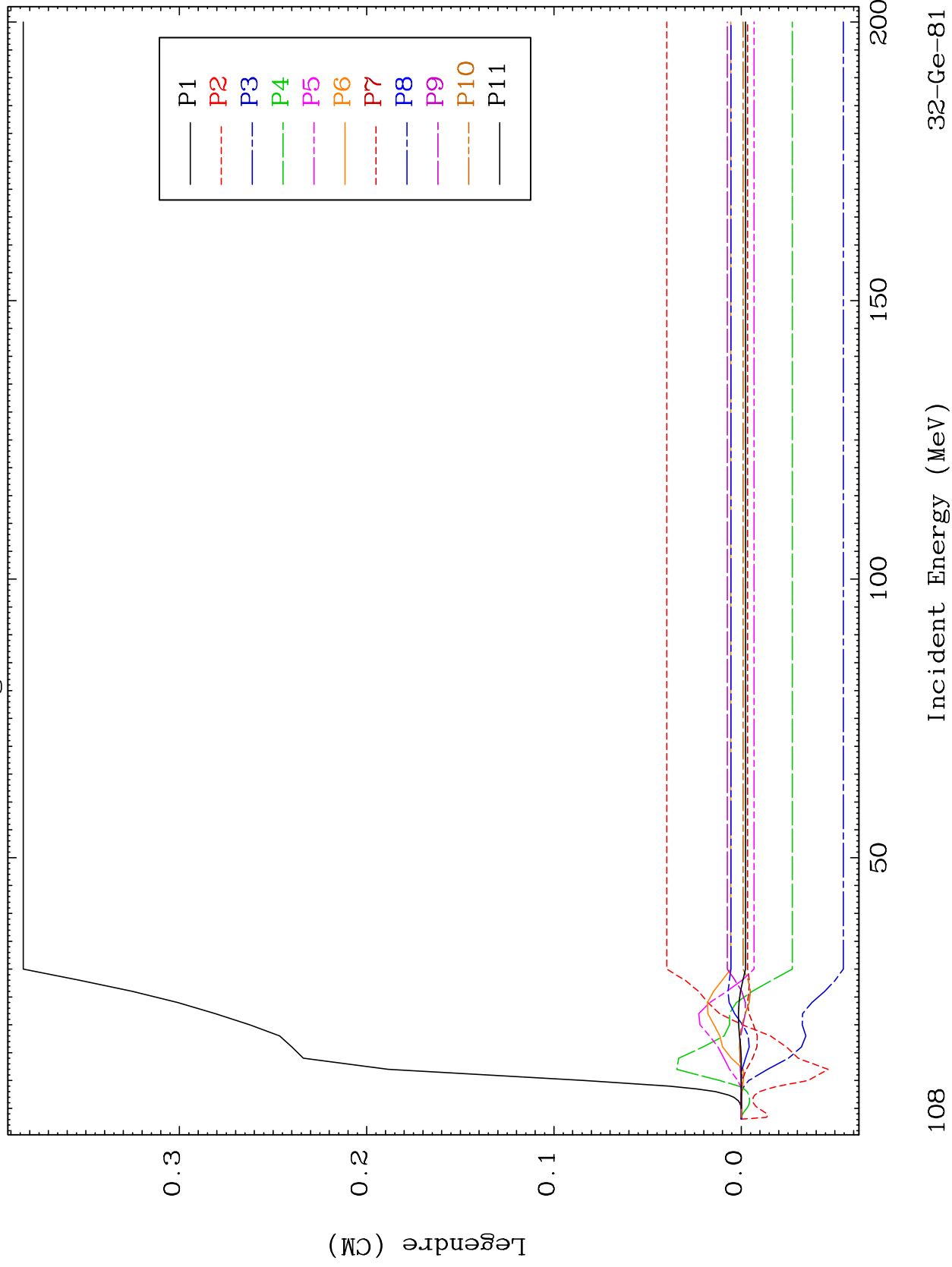
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

32-Ge-81



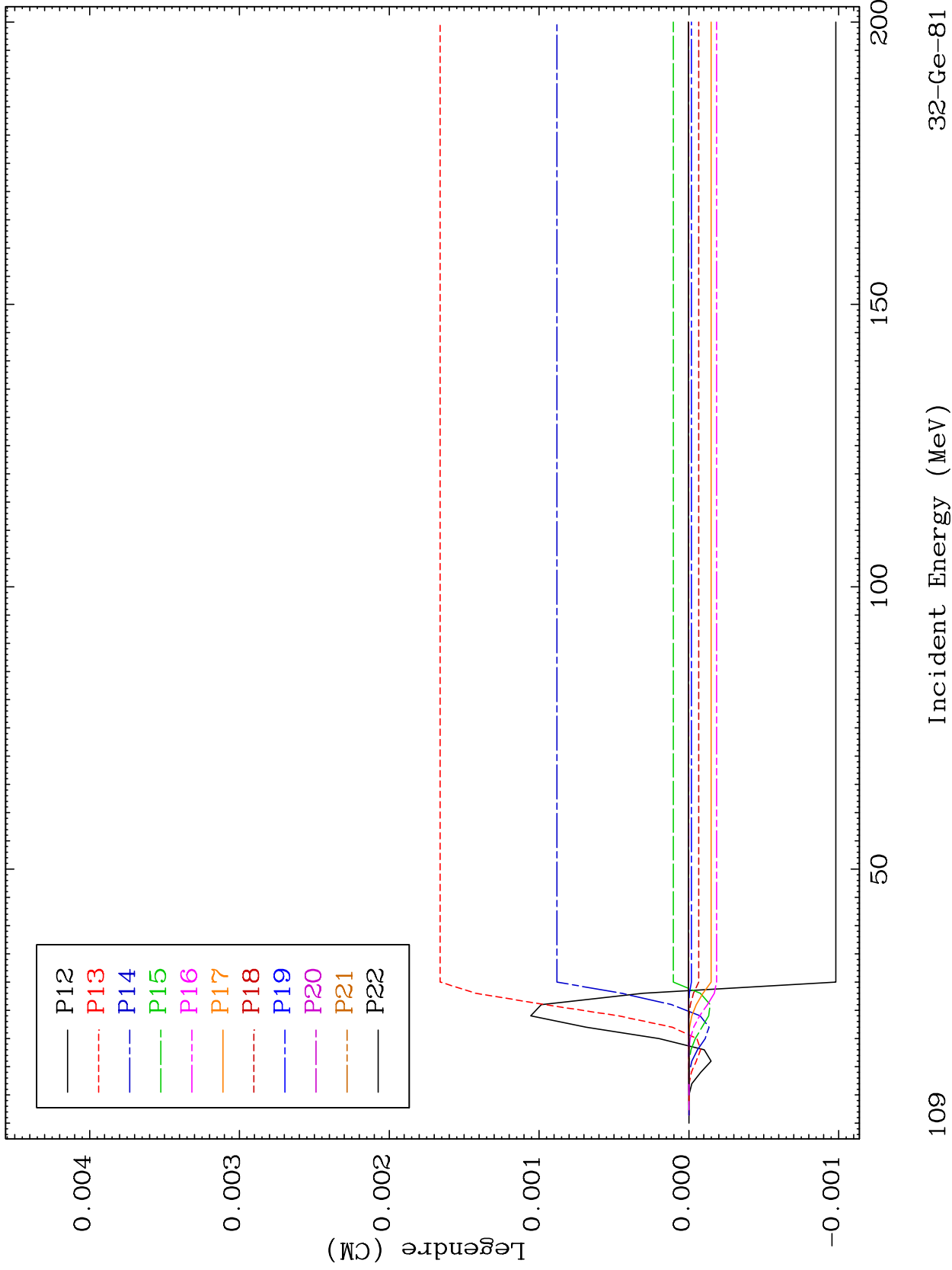
108

32-Ge-81

MAT 3258

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

32-Ge-81

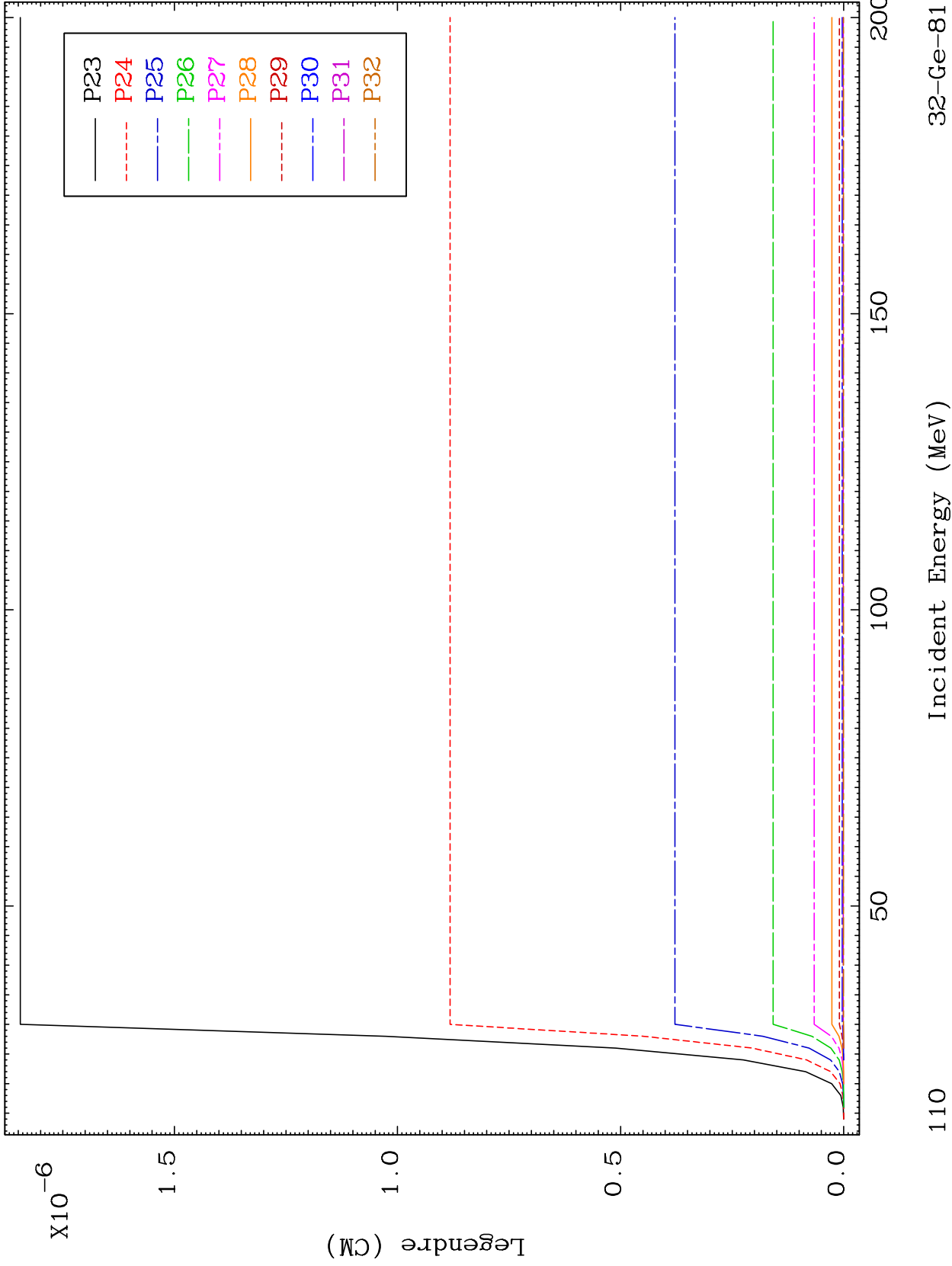


109

MAT 3258

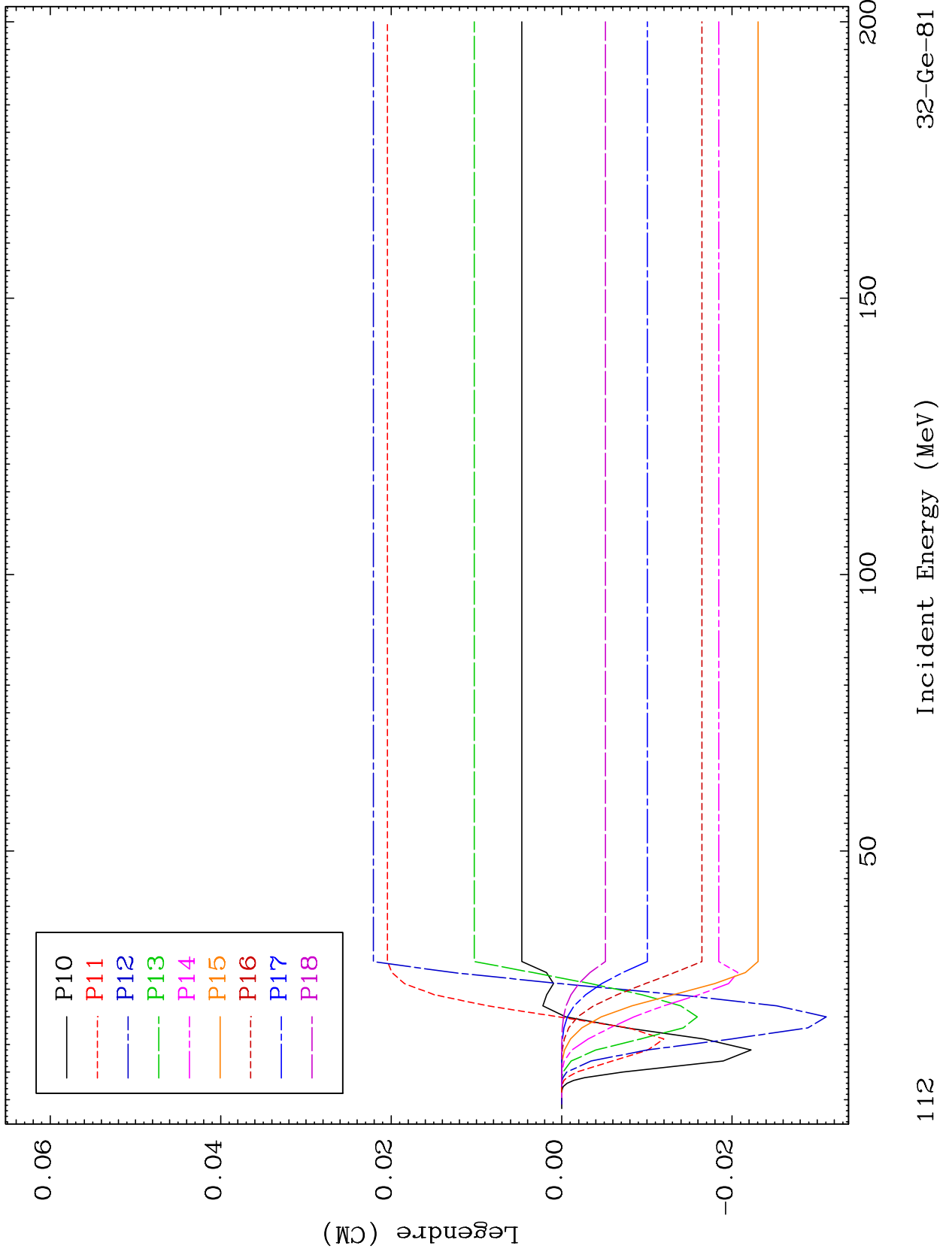
MT= 74 (n,n') Level  
Legendre Coefficients

32-Ge-81





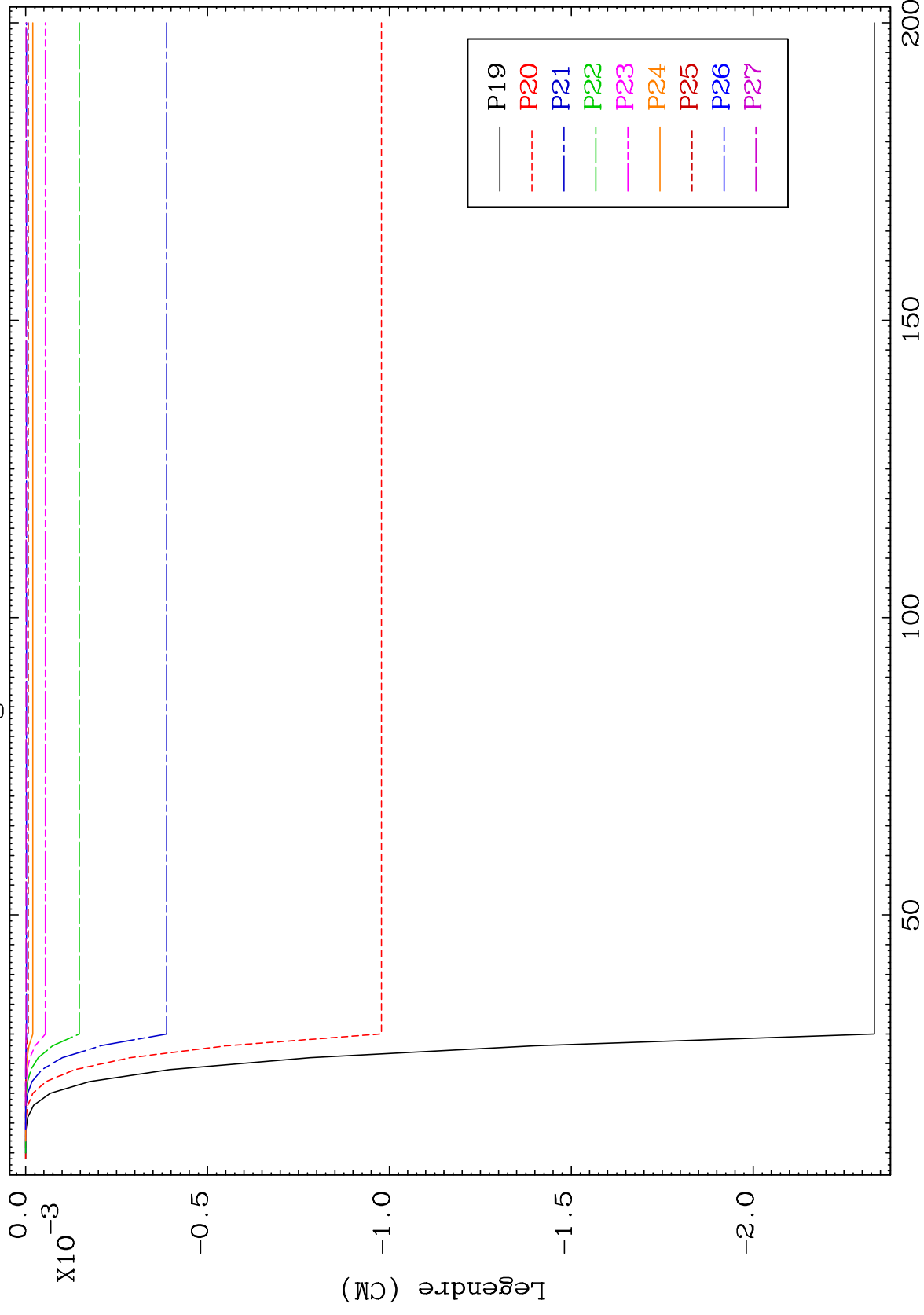




MAT 3258

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

32-Ge-81



113

Incident Energy (MeV)

32-Ge-81

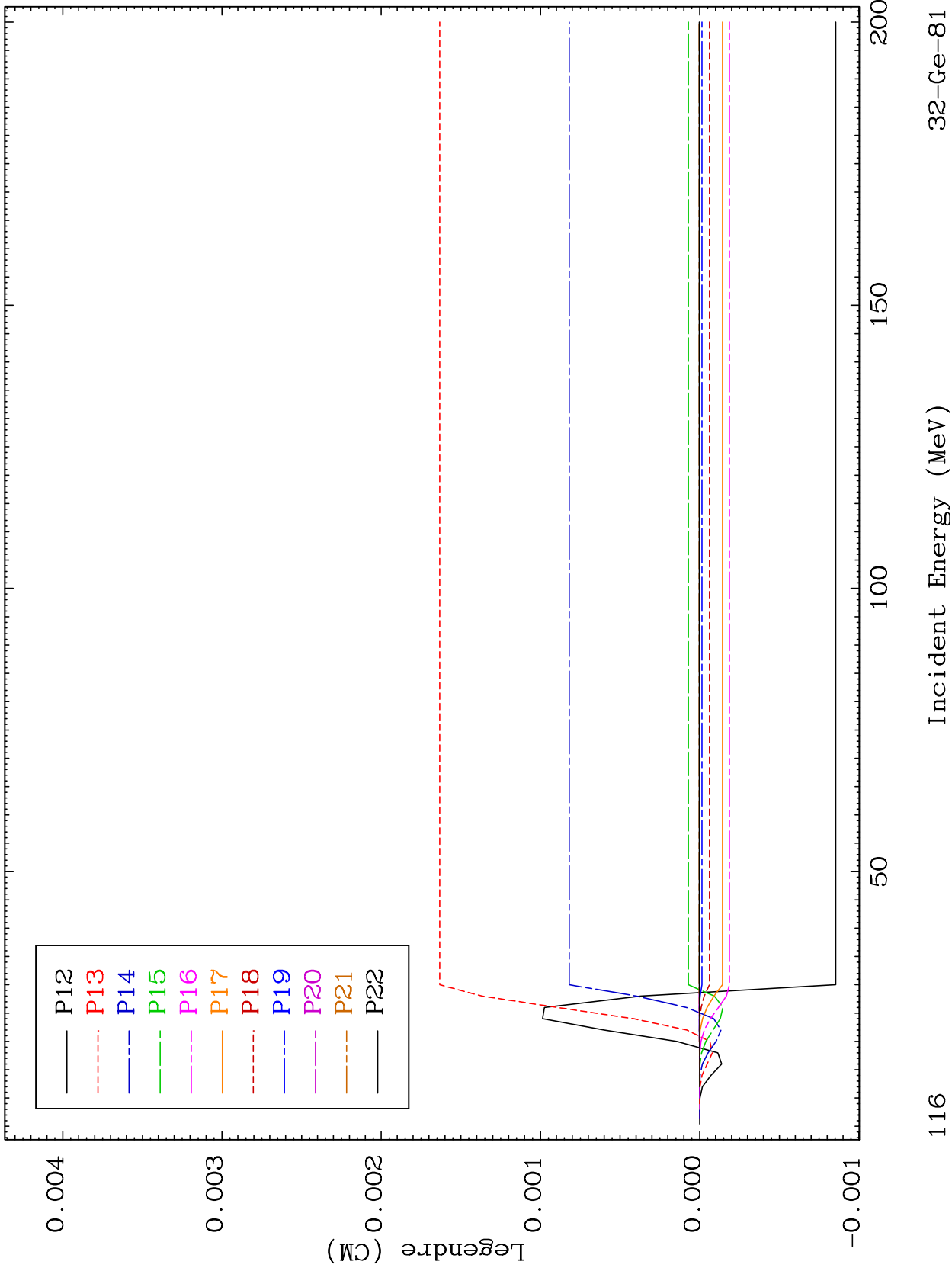




MAT 3258

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

32-Ge-81

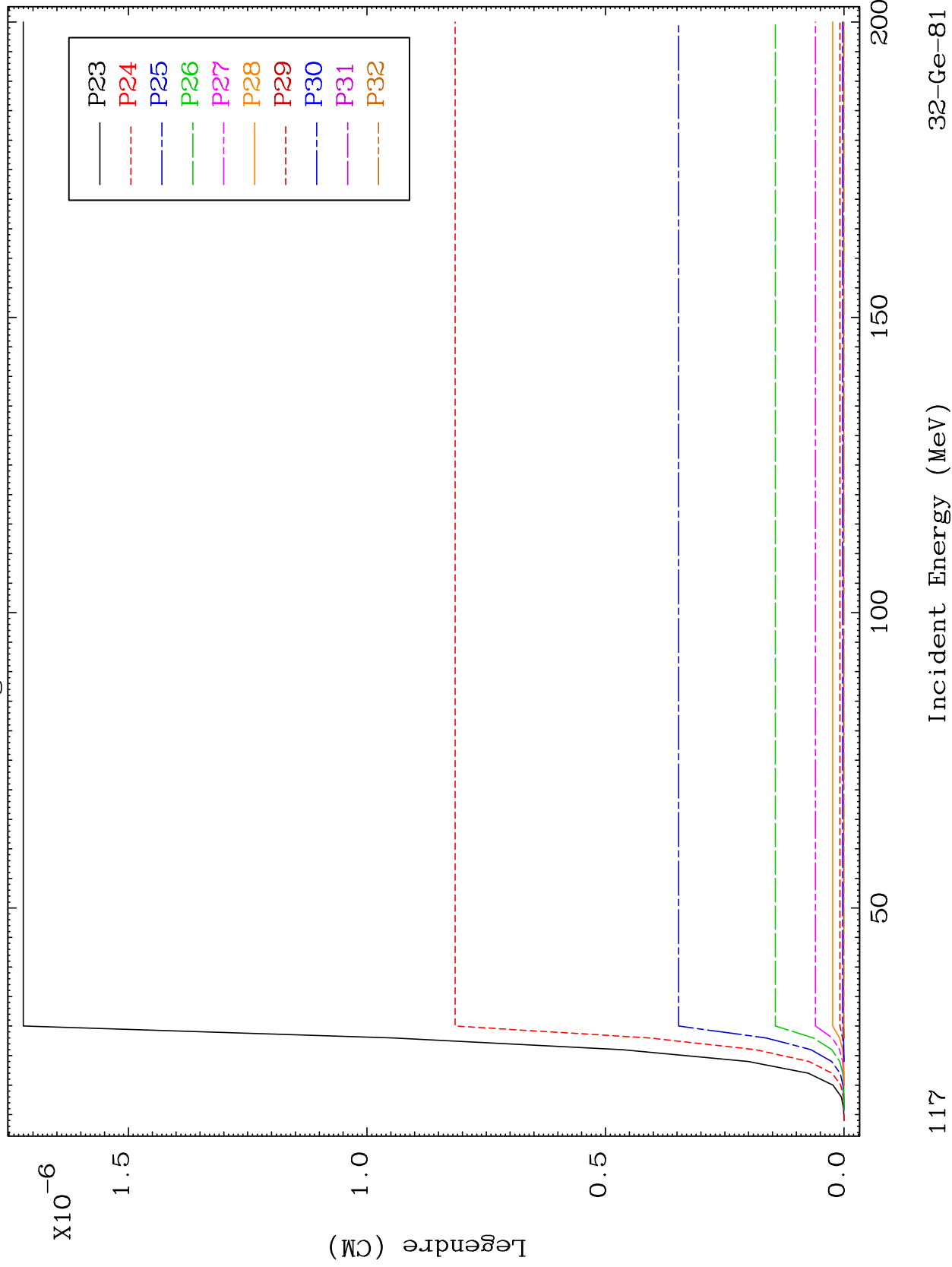


116

MAT 3258

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

32-Ge-81



117

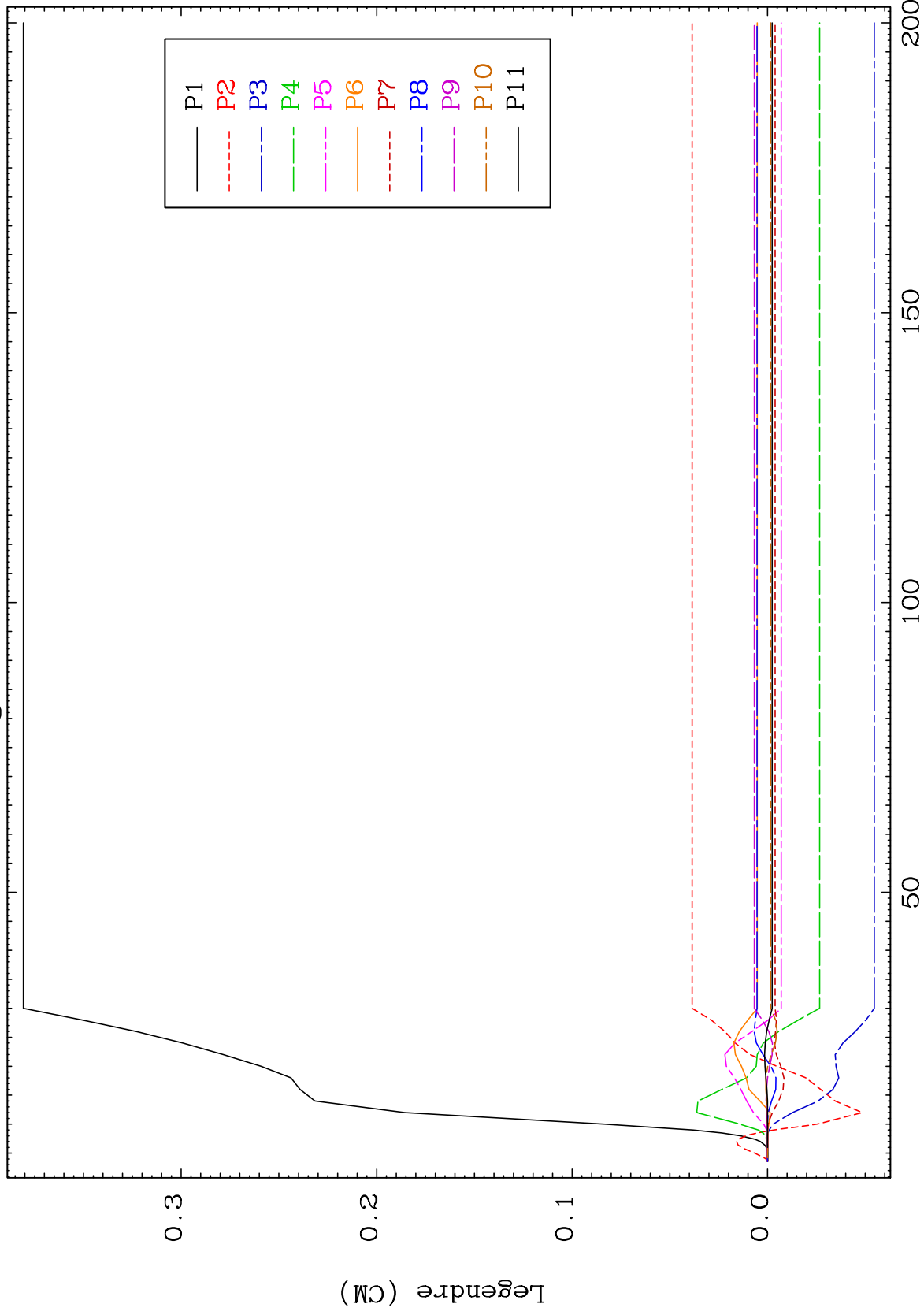
Incident Energy (MeV)

32-Ge-81

MAT 3258

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

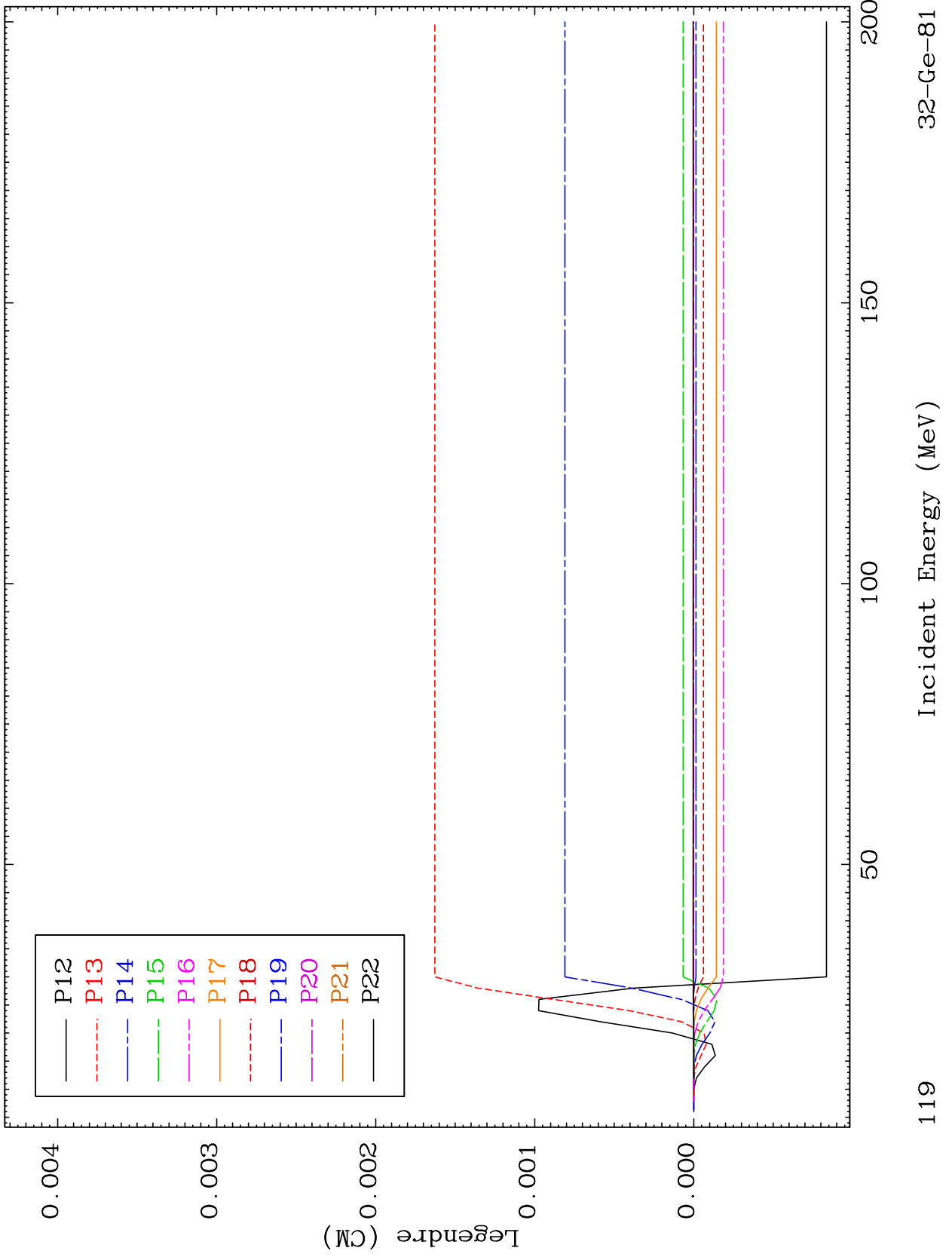
32-Ge-81



118

Incident Energy (MeV)

32-Ge-81

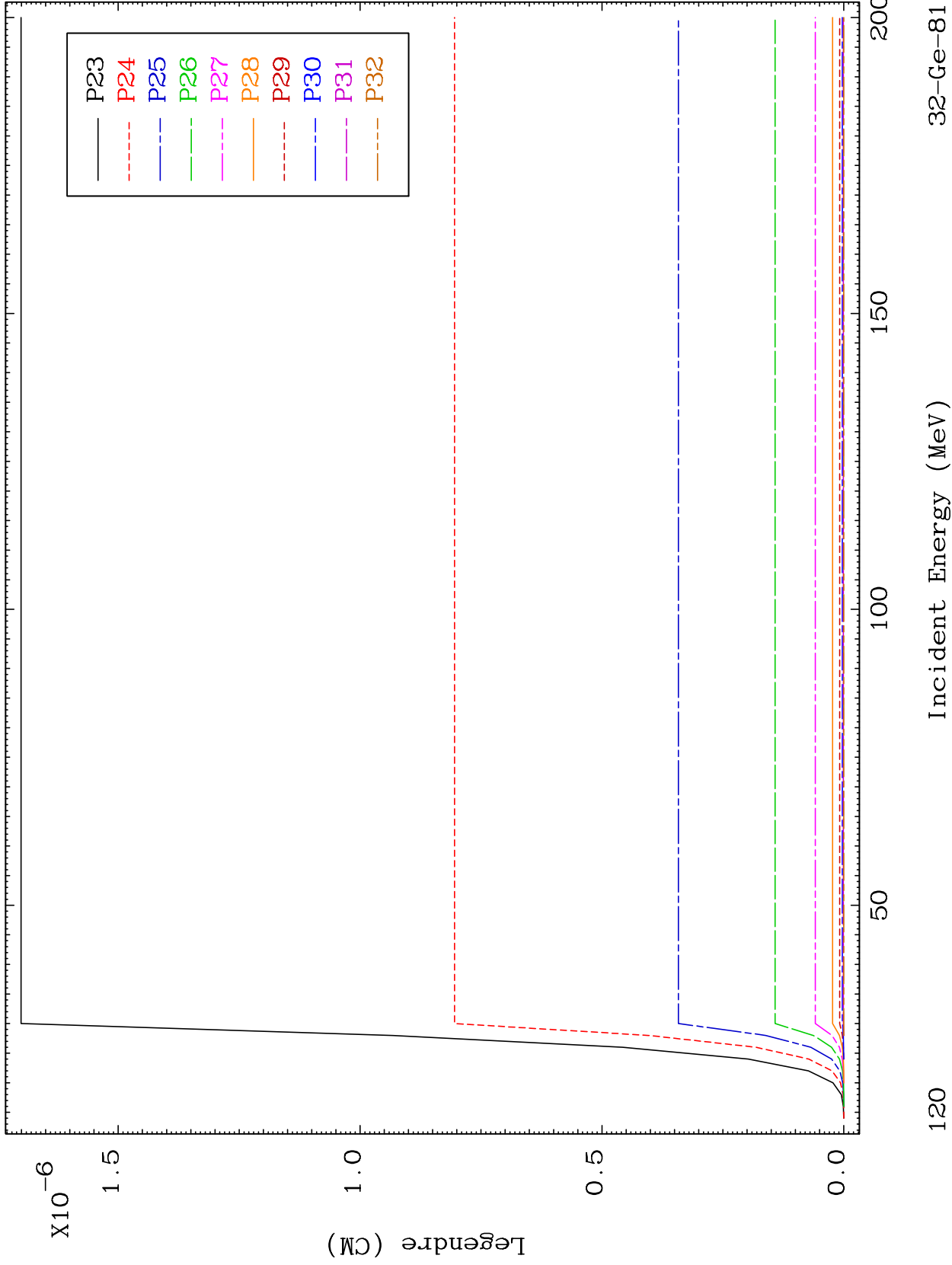




MAT 3258

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

32-Ge-81



120

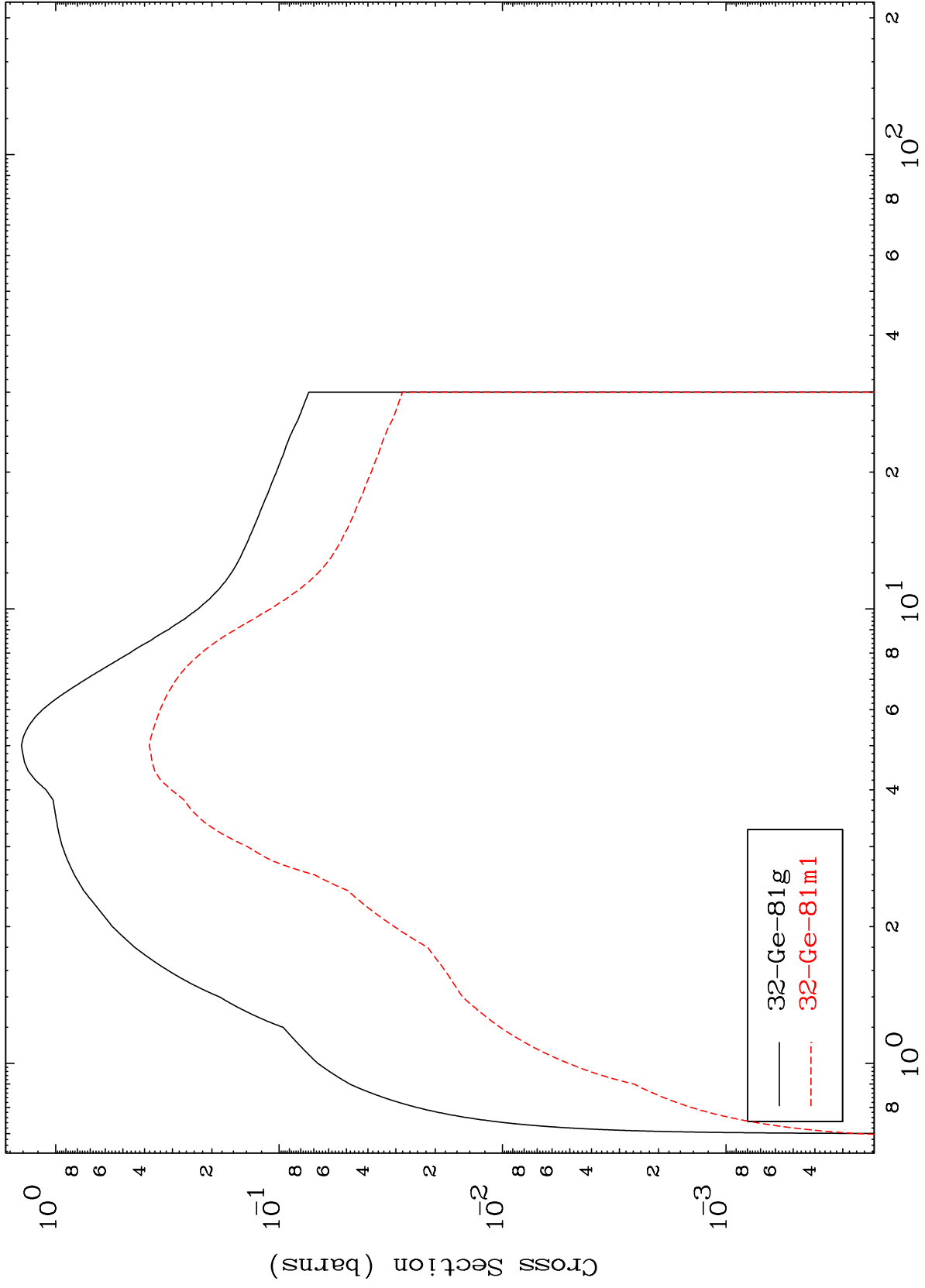
Incident Energy (MeV)

32-Ge-81

MAT 3258

32-Ge-81

Inelastic  
Radionuclide Production Cross Section



121

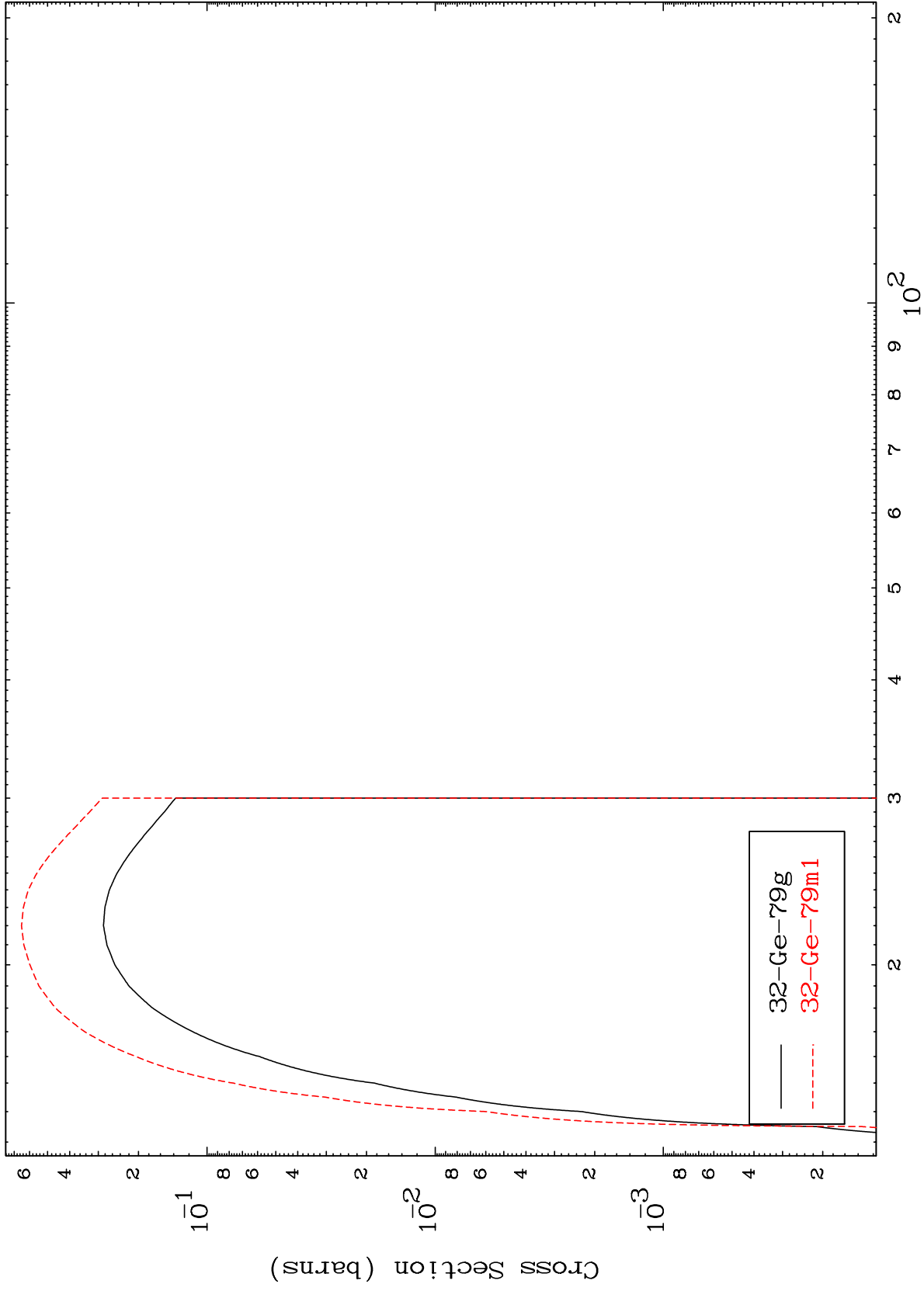
Incident Energy (MeV)

32-Ge-81

MAT 3258

<sup>32</sup>Ge-81

(n,3n)  
Radionuclide Production Cross Section



122

Incident Energy (MeV)

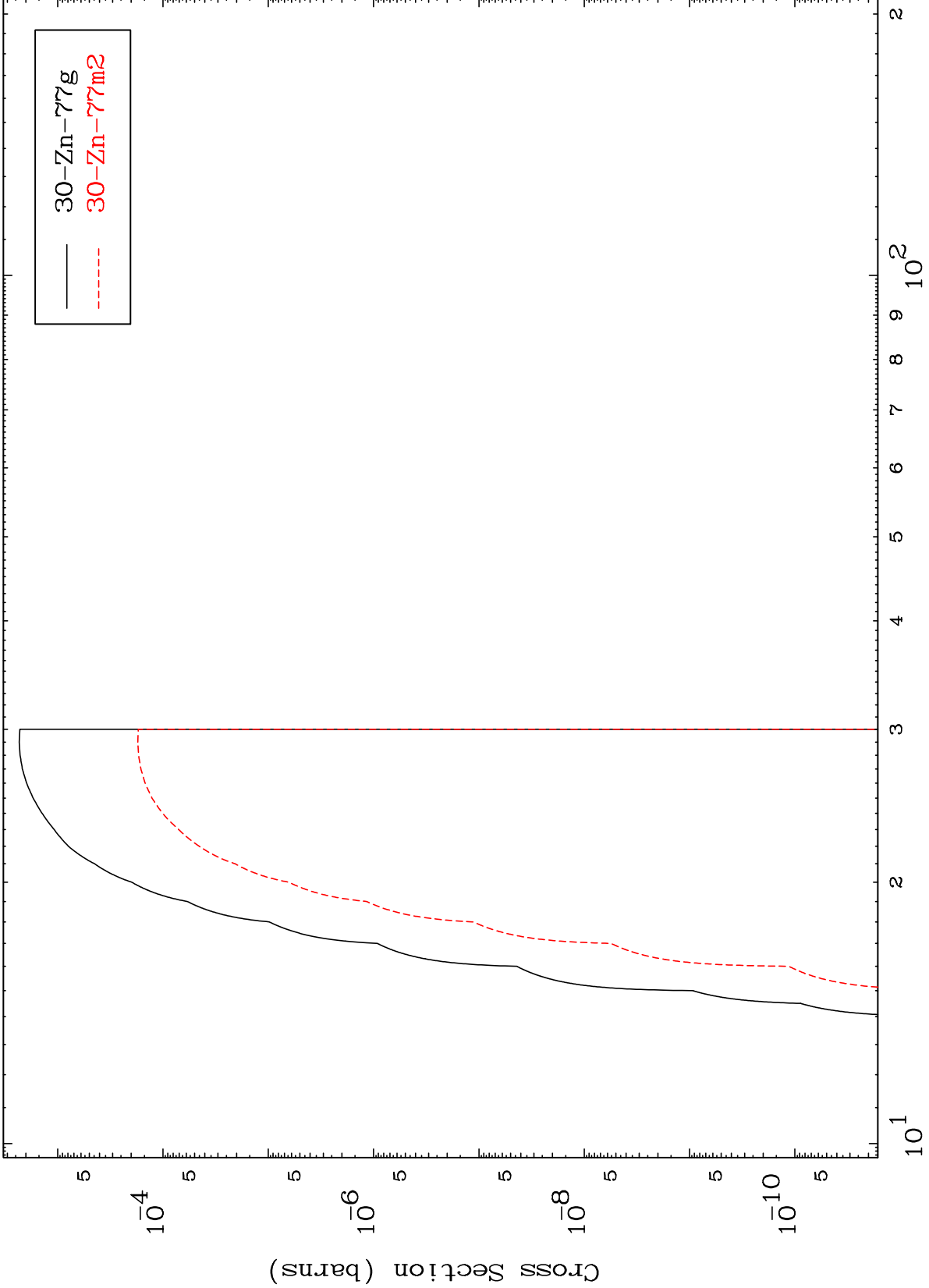
<sup>32</sup>Ge-81

MAT 3258

$(n, n') \alpha$

32-Ge-81

Radionuclide Production Cross Section

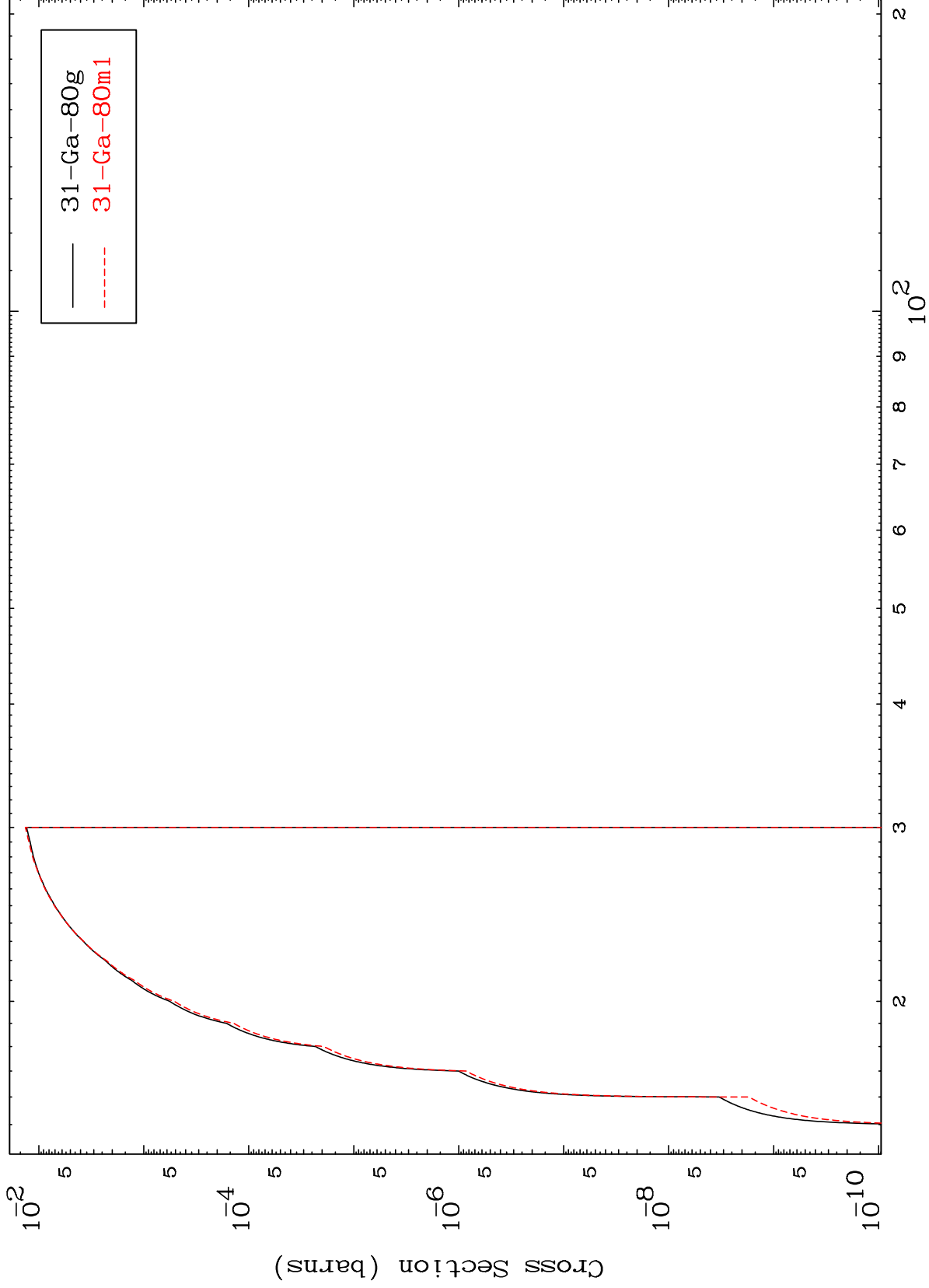


123

Incident Energy (MeV)

32-Ge-81

Radionuclide Production Cross Section

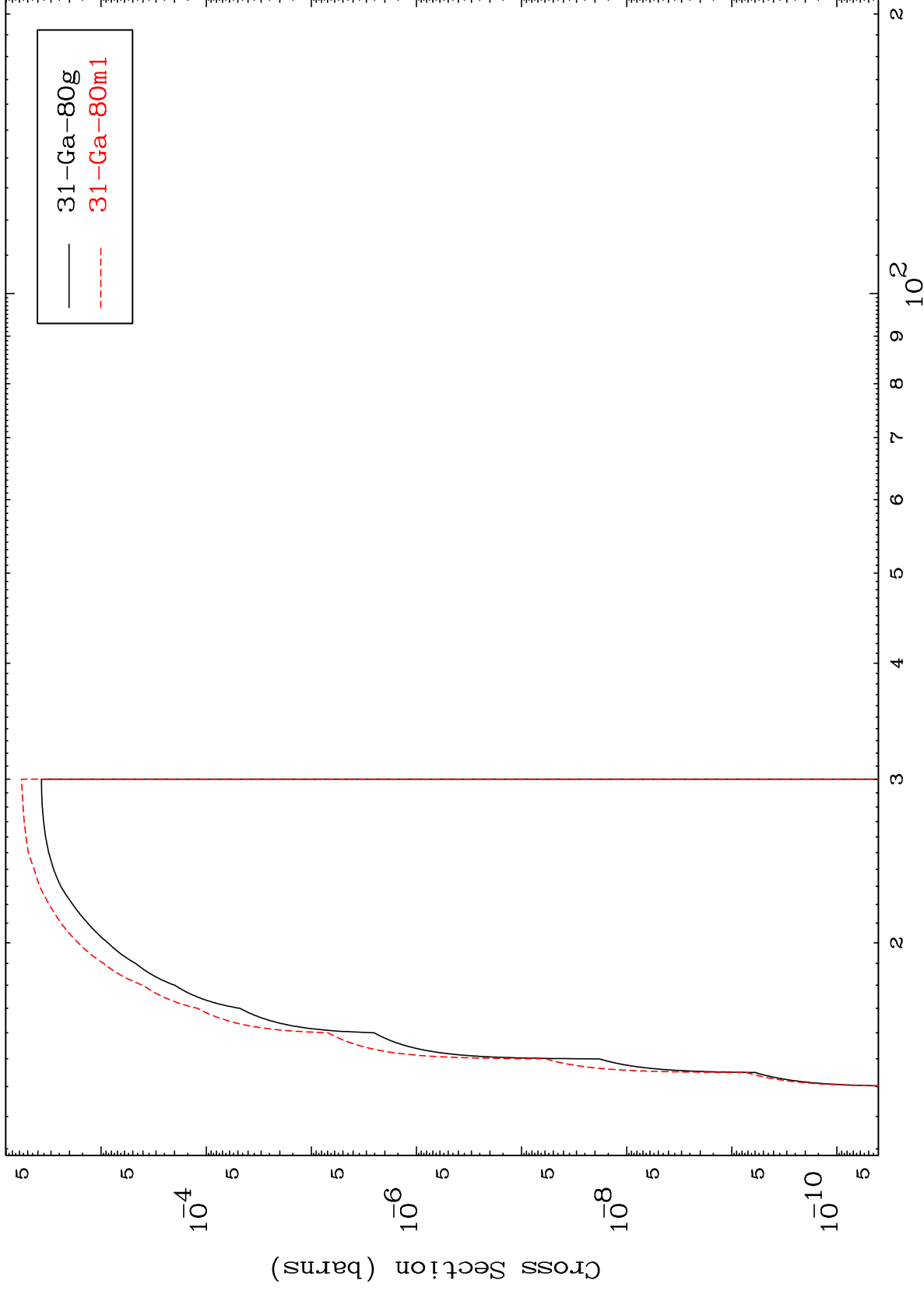


MAT 3258

(n,d)

<sup>32</sup>Ge-81

Radionuclide Production Cross Section



125

Incident Energy (MeV)

<sup>32</sup>Ge-81

Radionuclide Production Cross Section

