

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

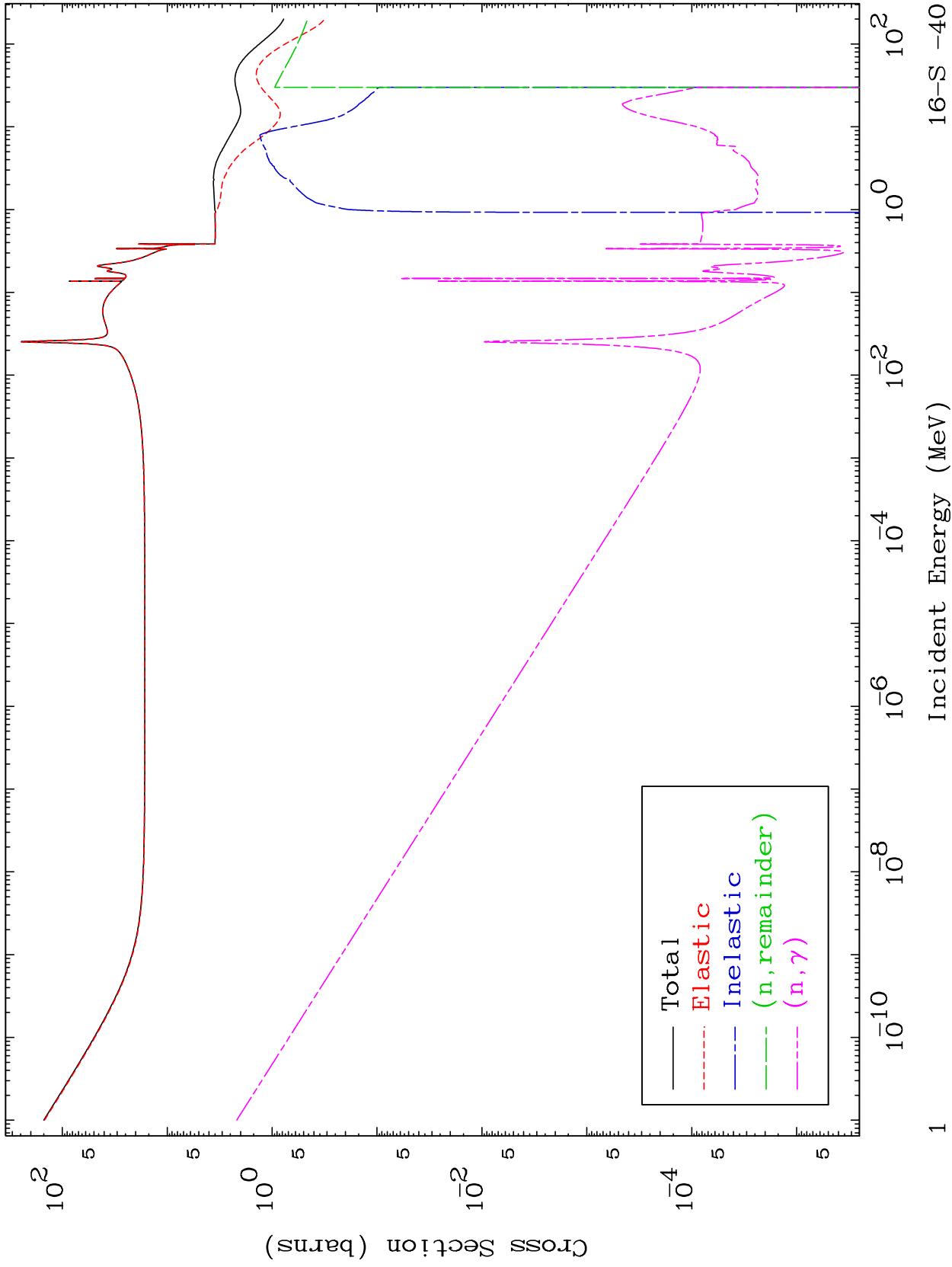
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1649

Major  
293 Kelvin Cross Sections

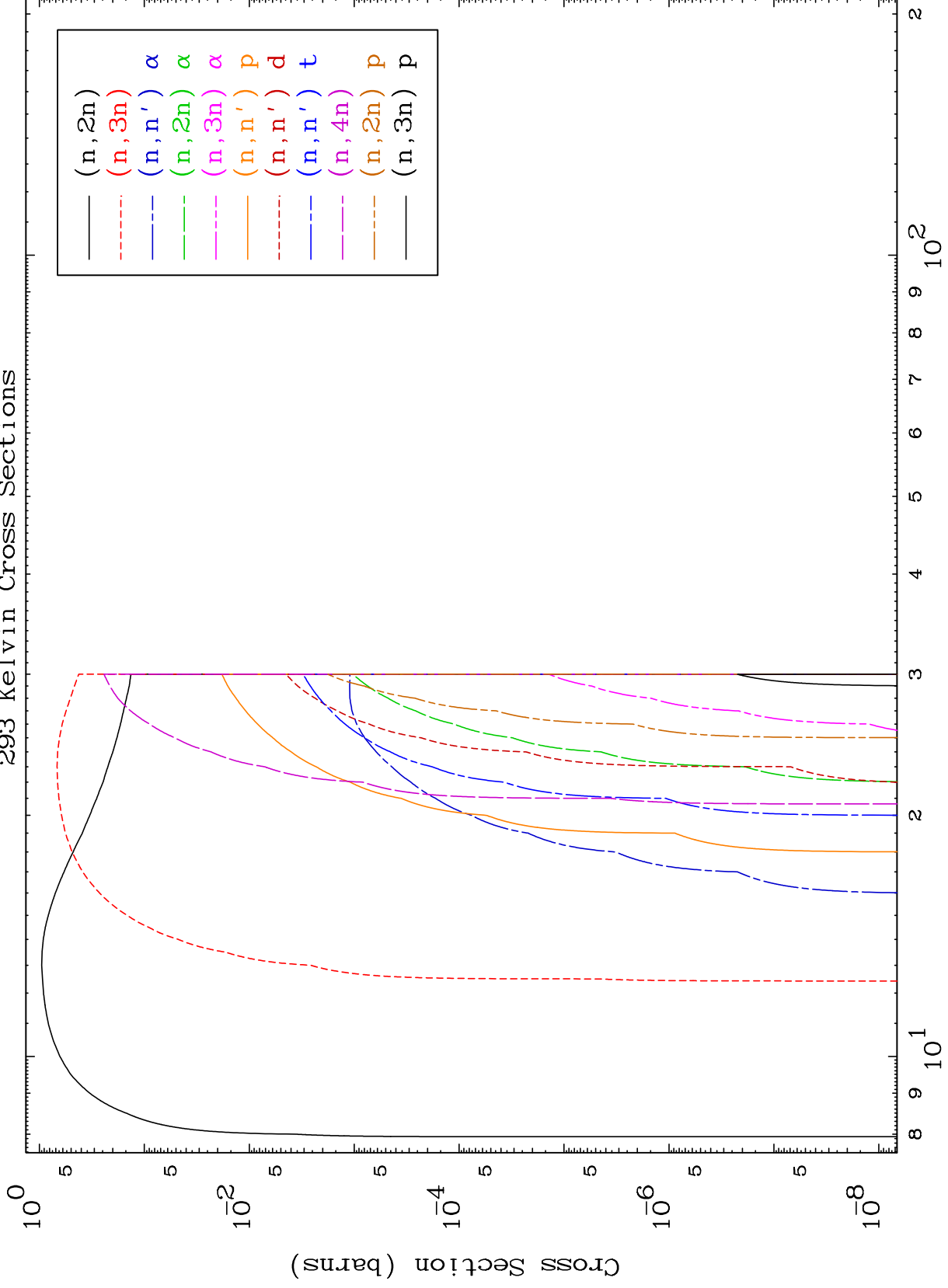
16-S -40



MAT 1649

Neutron Production  
293 Kelvin Cross Sections

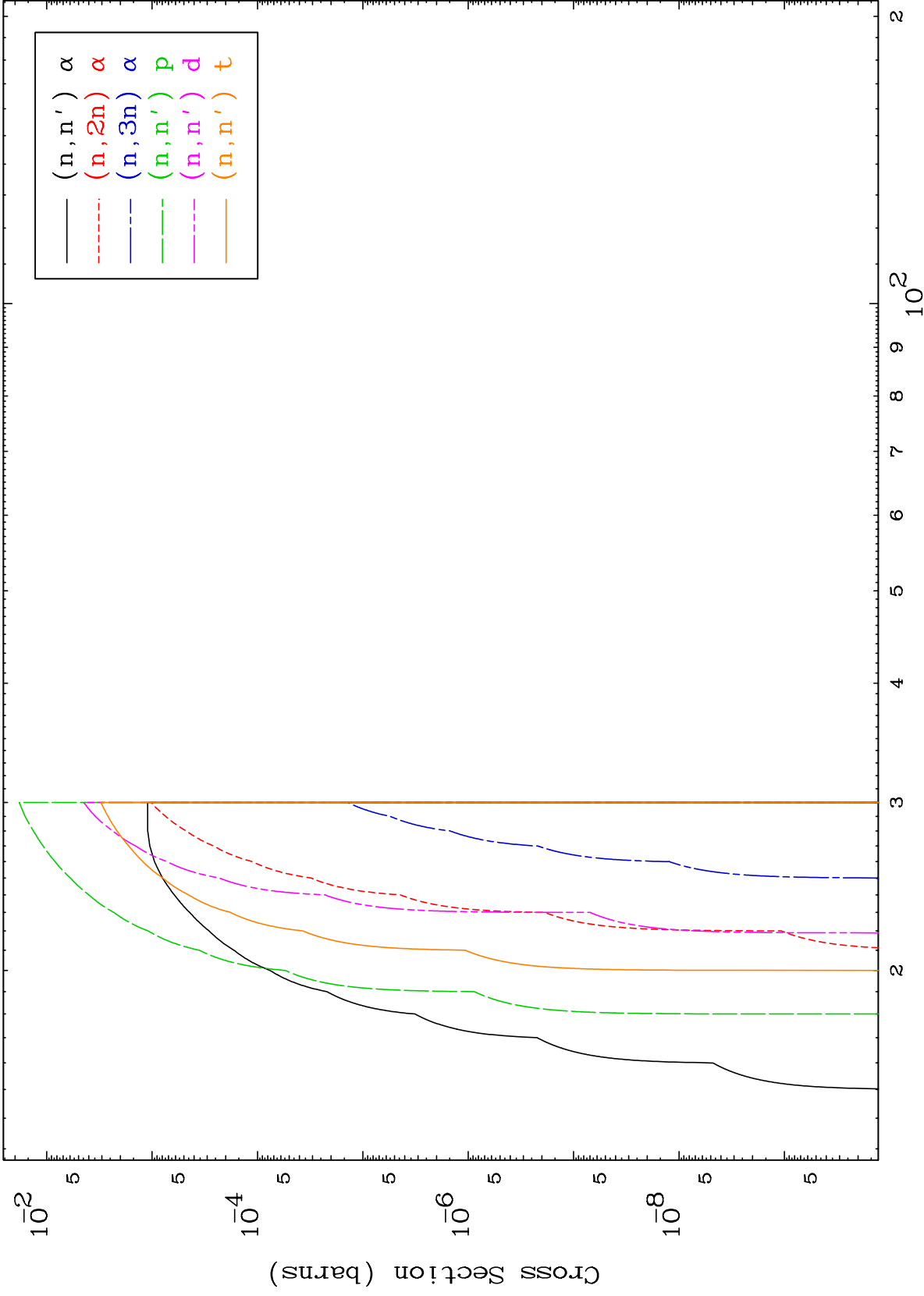
16-S -40

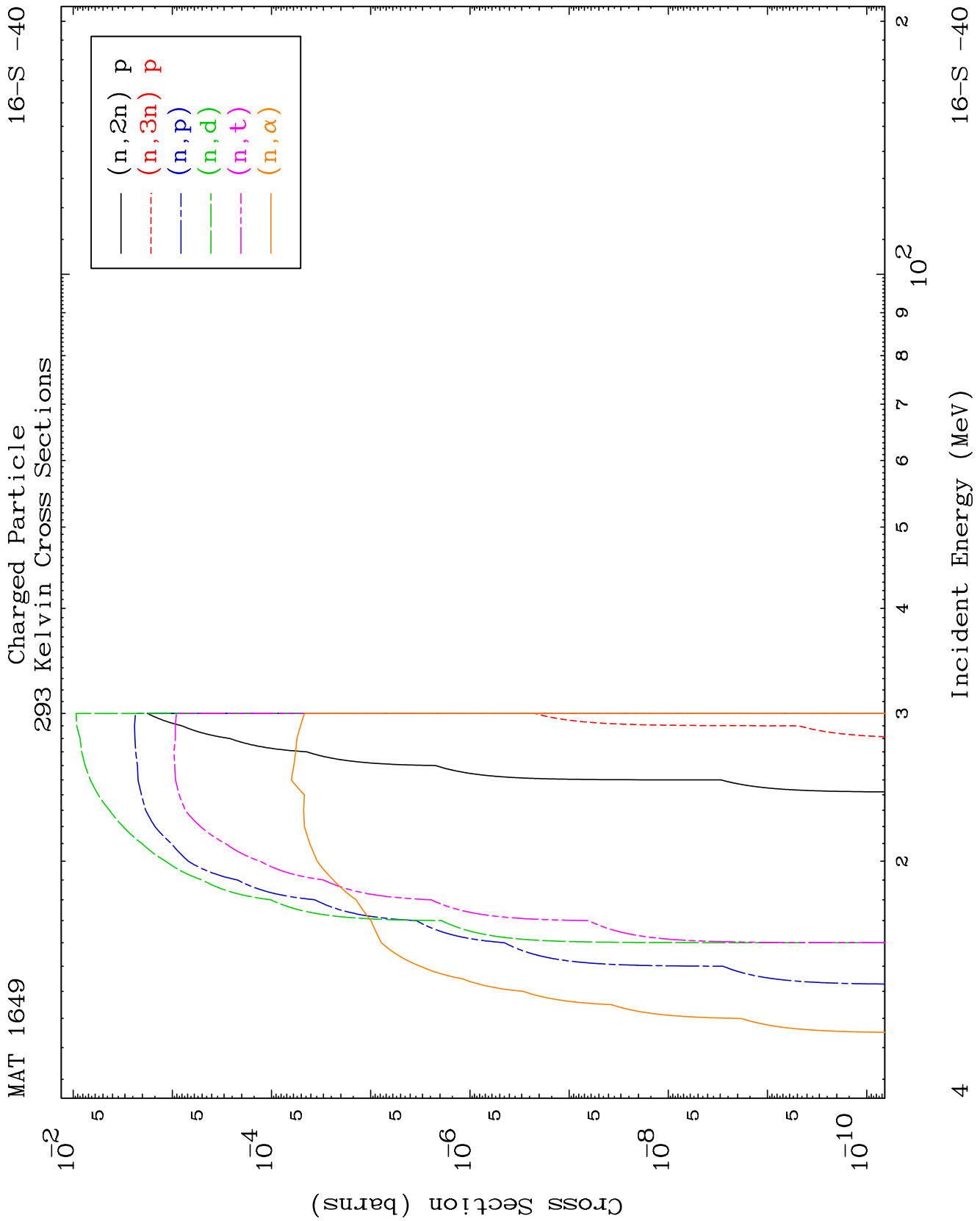


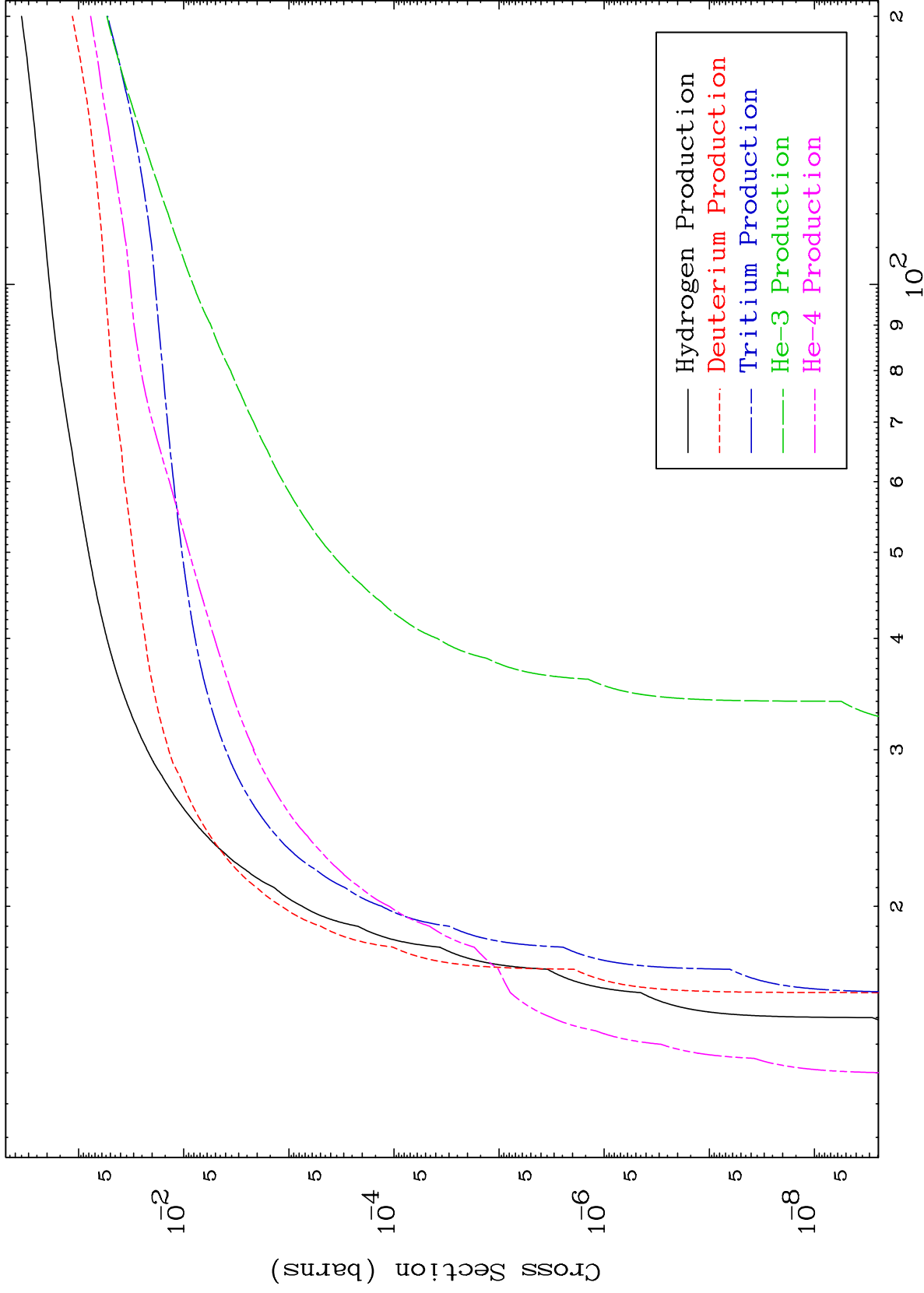
Incident Energy (MeV)

16-S -40

2





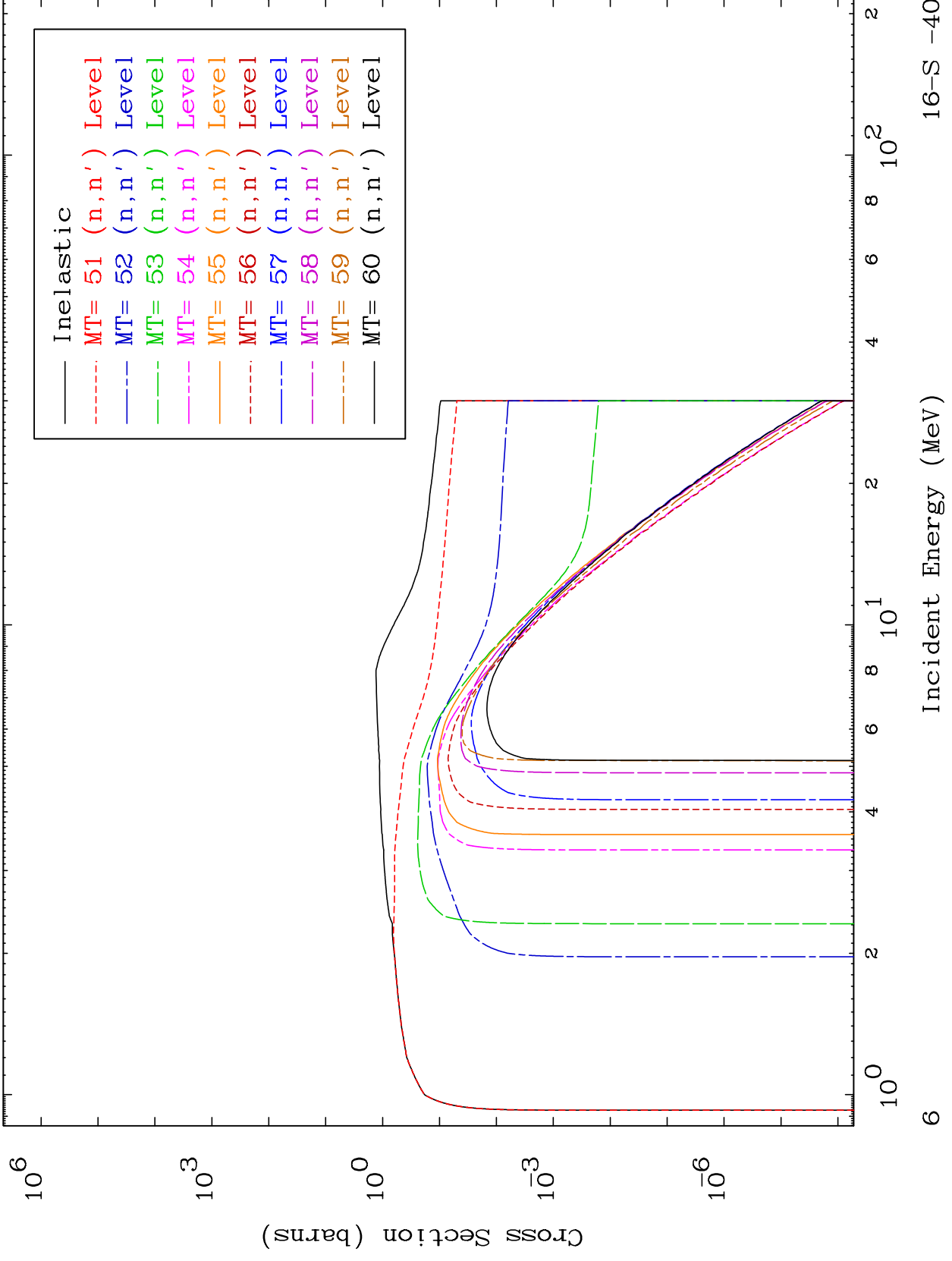


MAT 1649

(n,n') Level

16-S -40

293 Kelvin Cross Sections

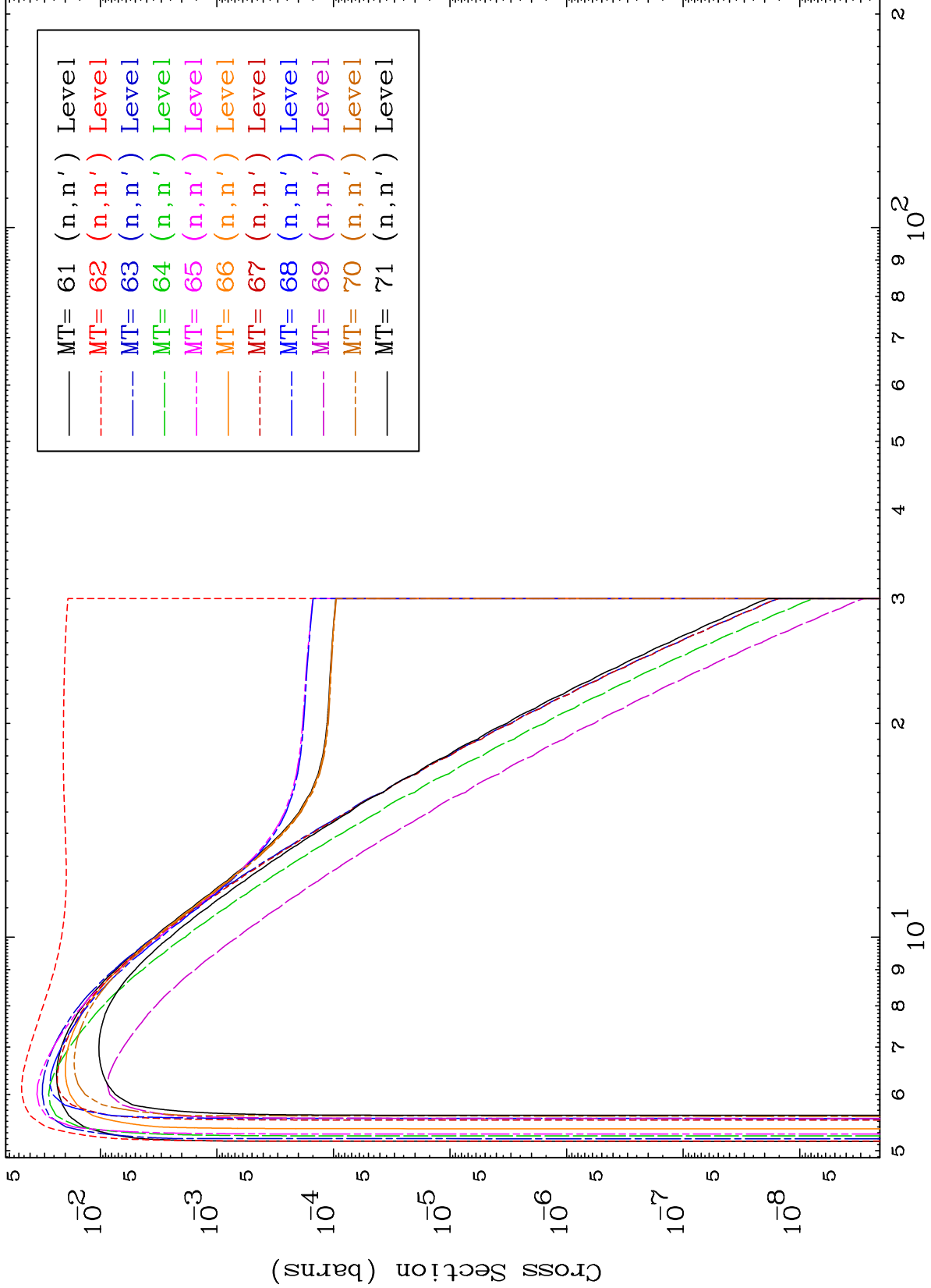


MAT 1649

(n,n') Level

16-S -40

293 Kelvin Cross Sections

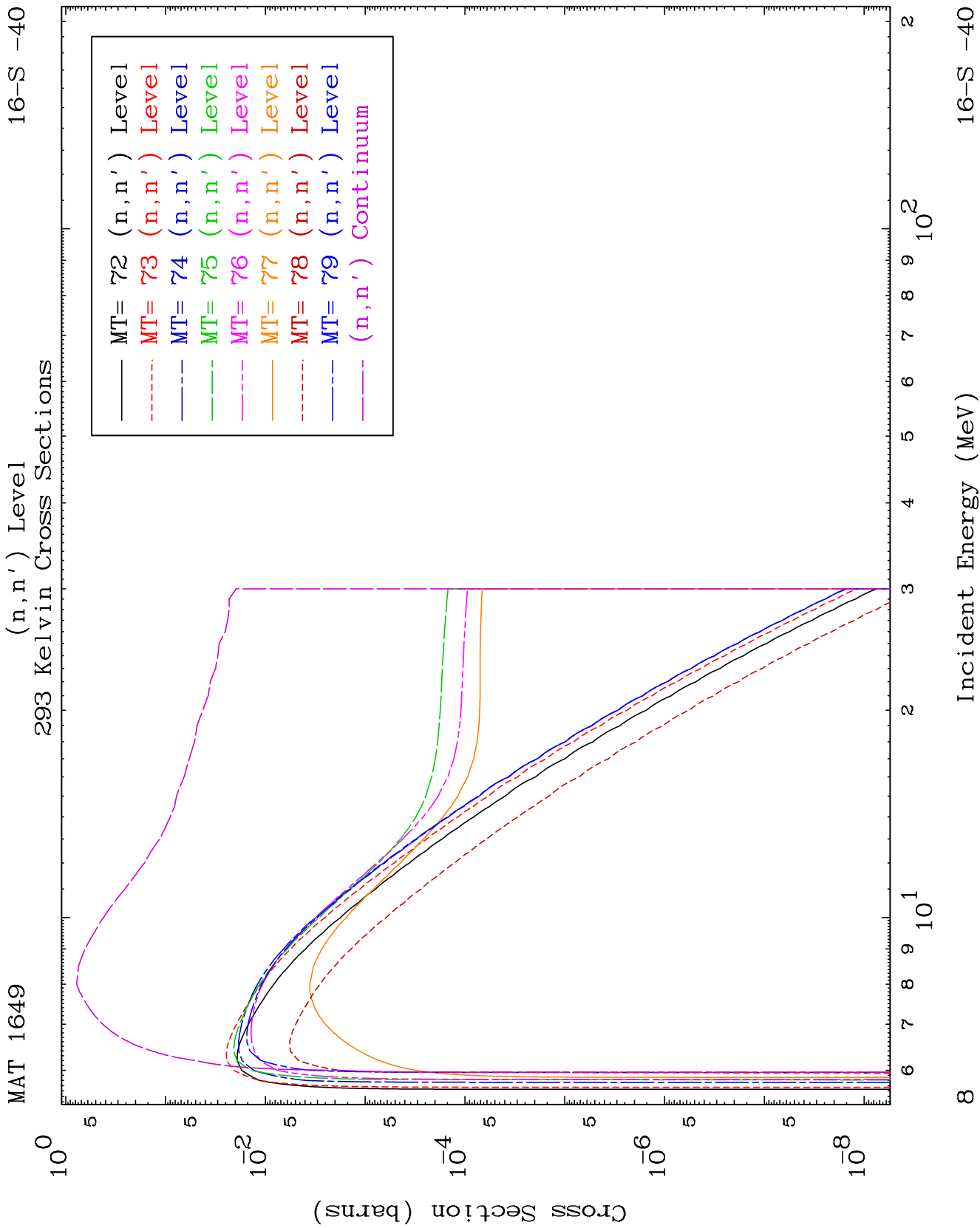


7

Incident Energy (MeV)

16-S -40

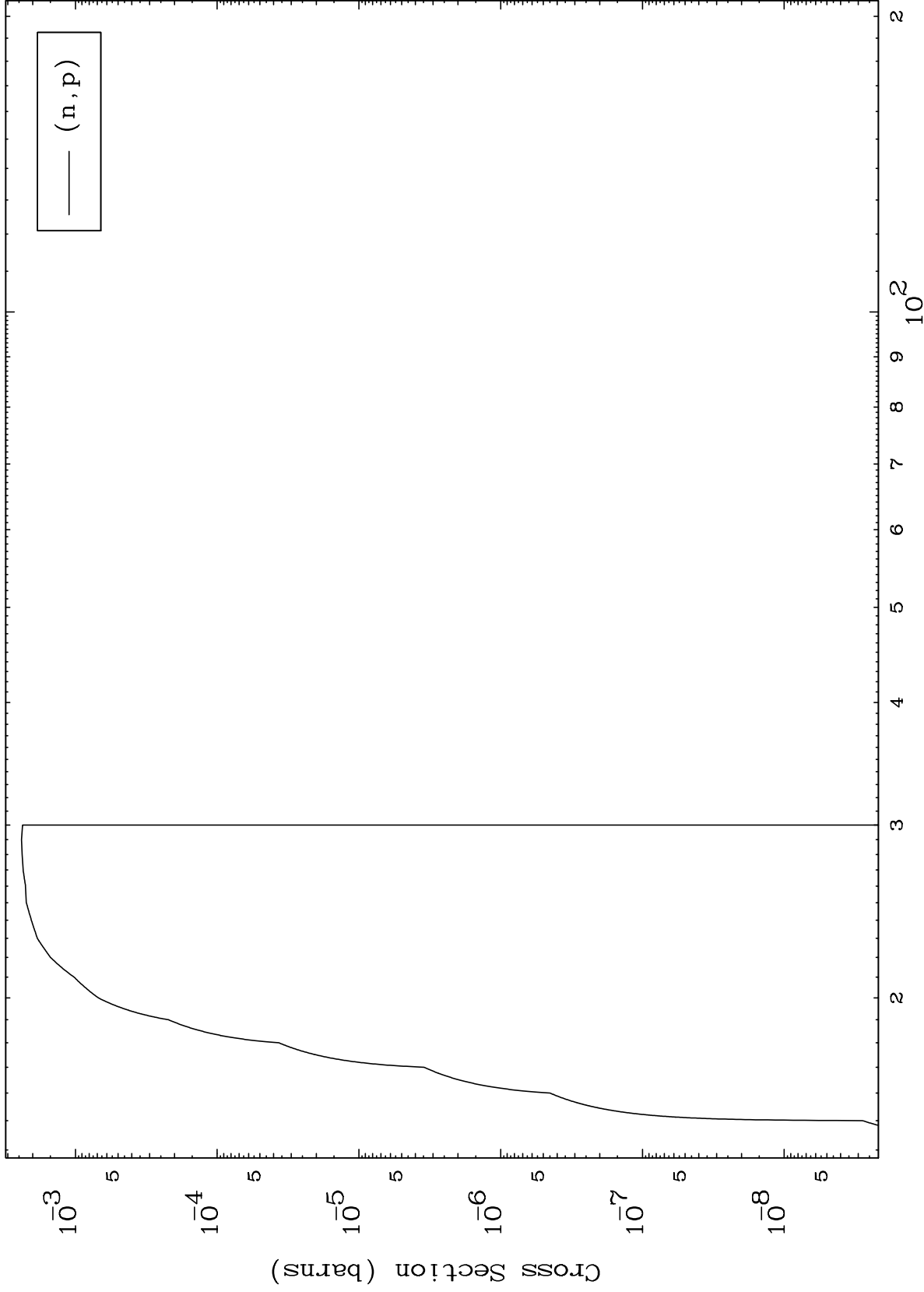




MAT 1649

(n,p) Levels  
293 Kelvin Cross Sections

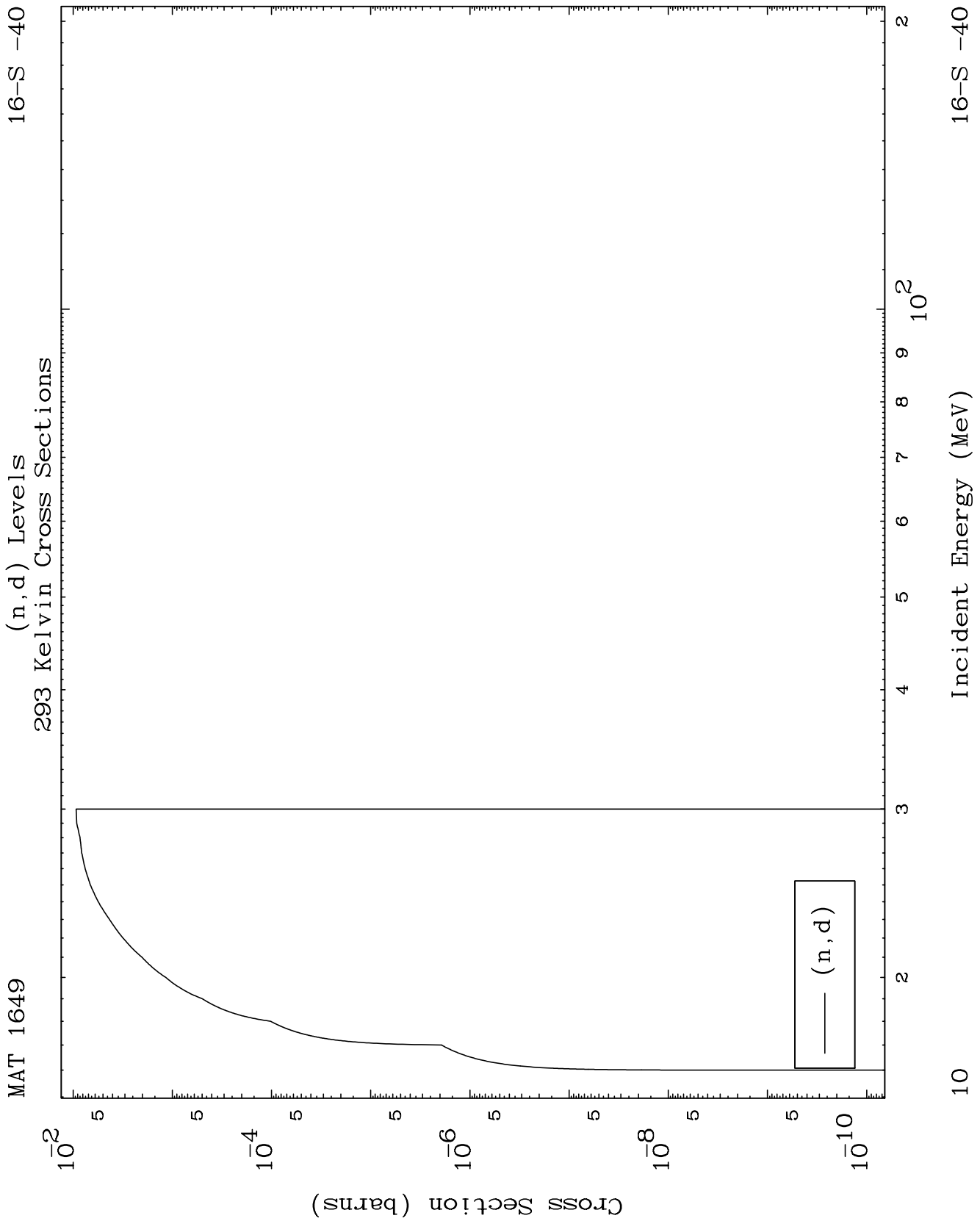
16-S -40



9

Incident Energy (MeV)

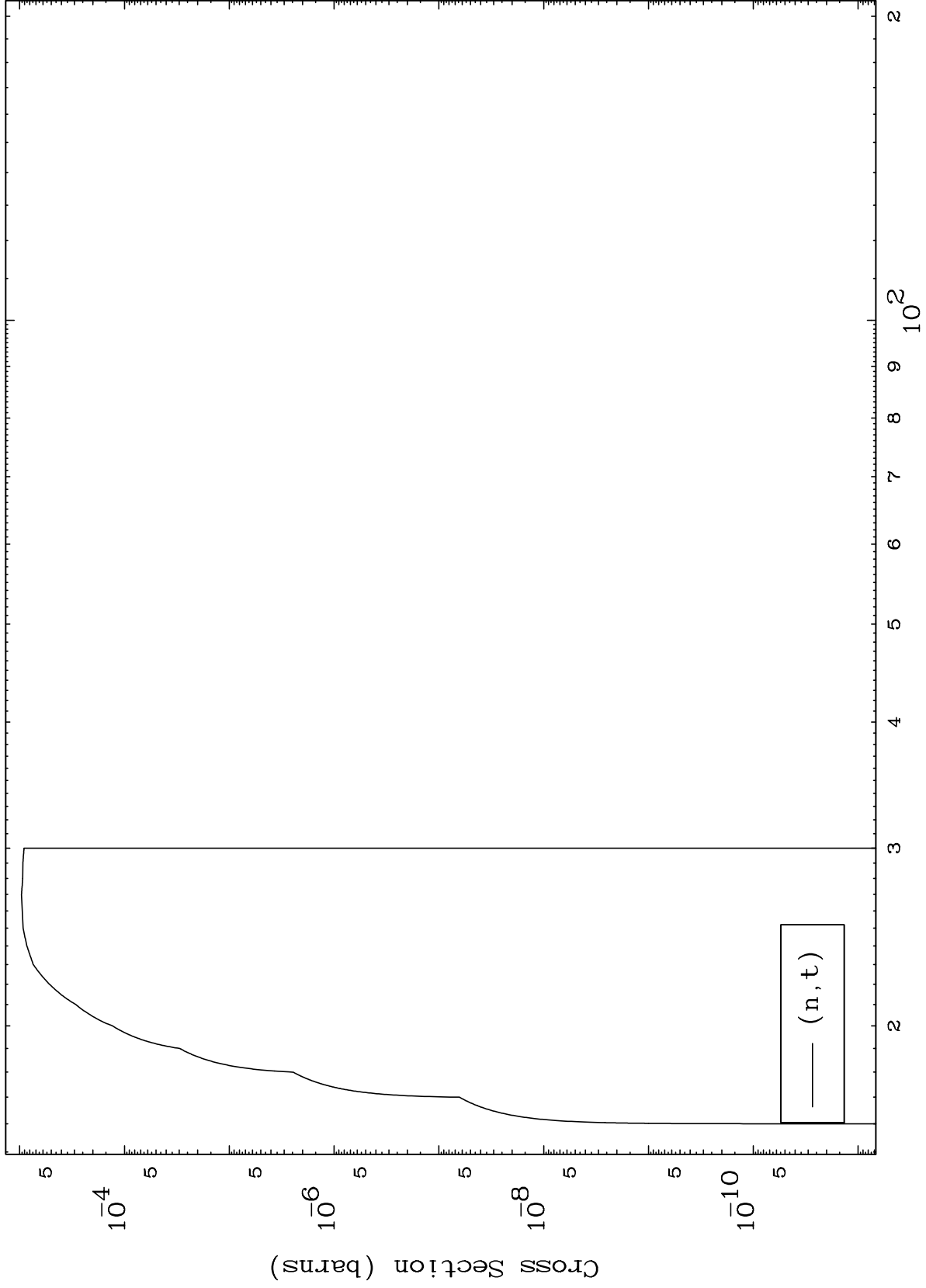
16-S -40



MAT 1649

(n,t) Levels  
293 Kelvin Cross Sections

16-S -40



11

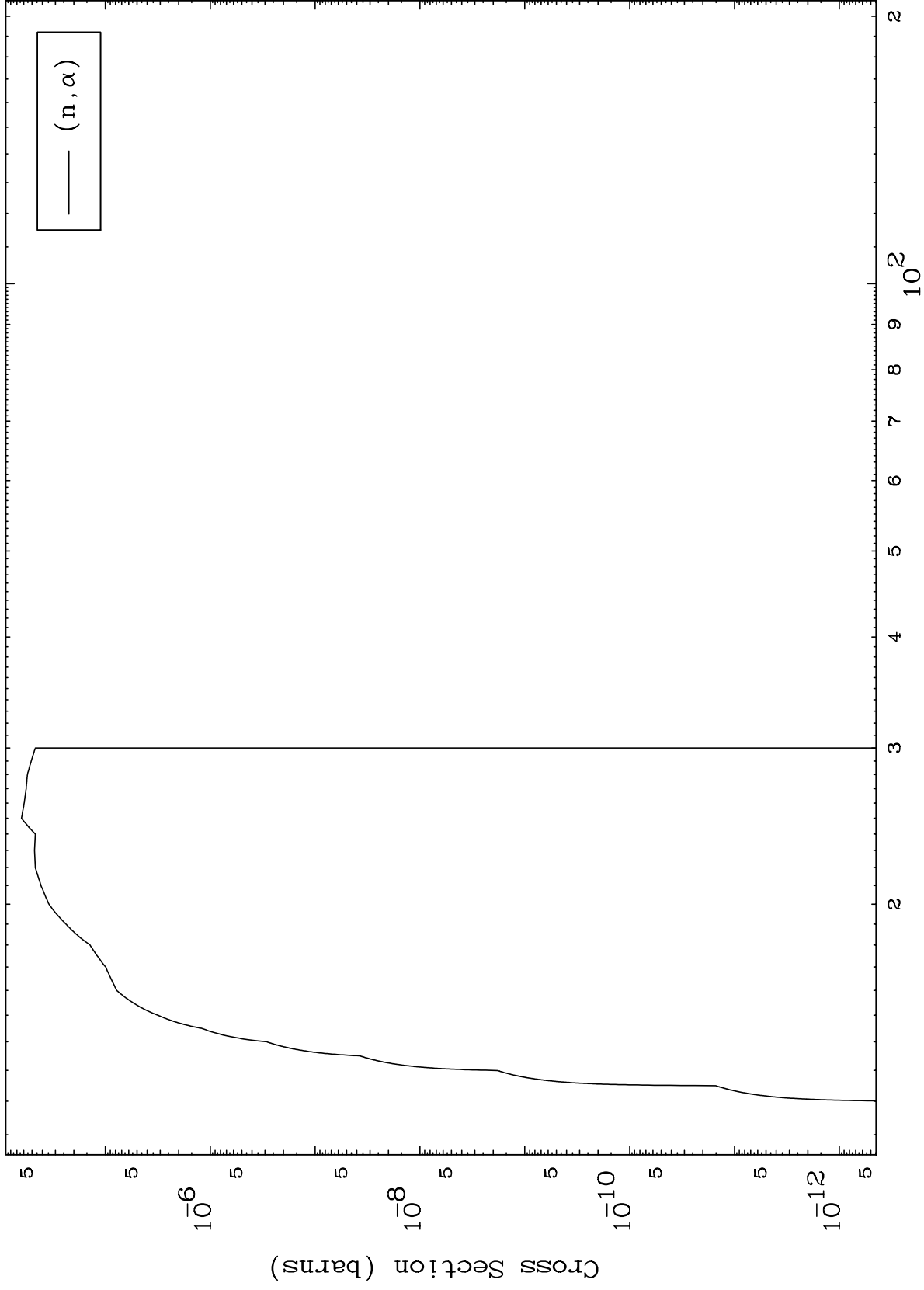
Incident Energy (MeV)

16-S -40

MAT 1649

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

16-S -40



12

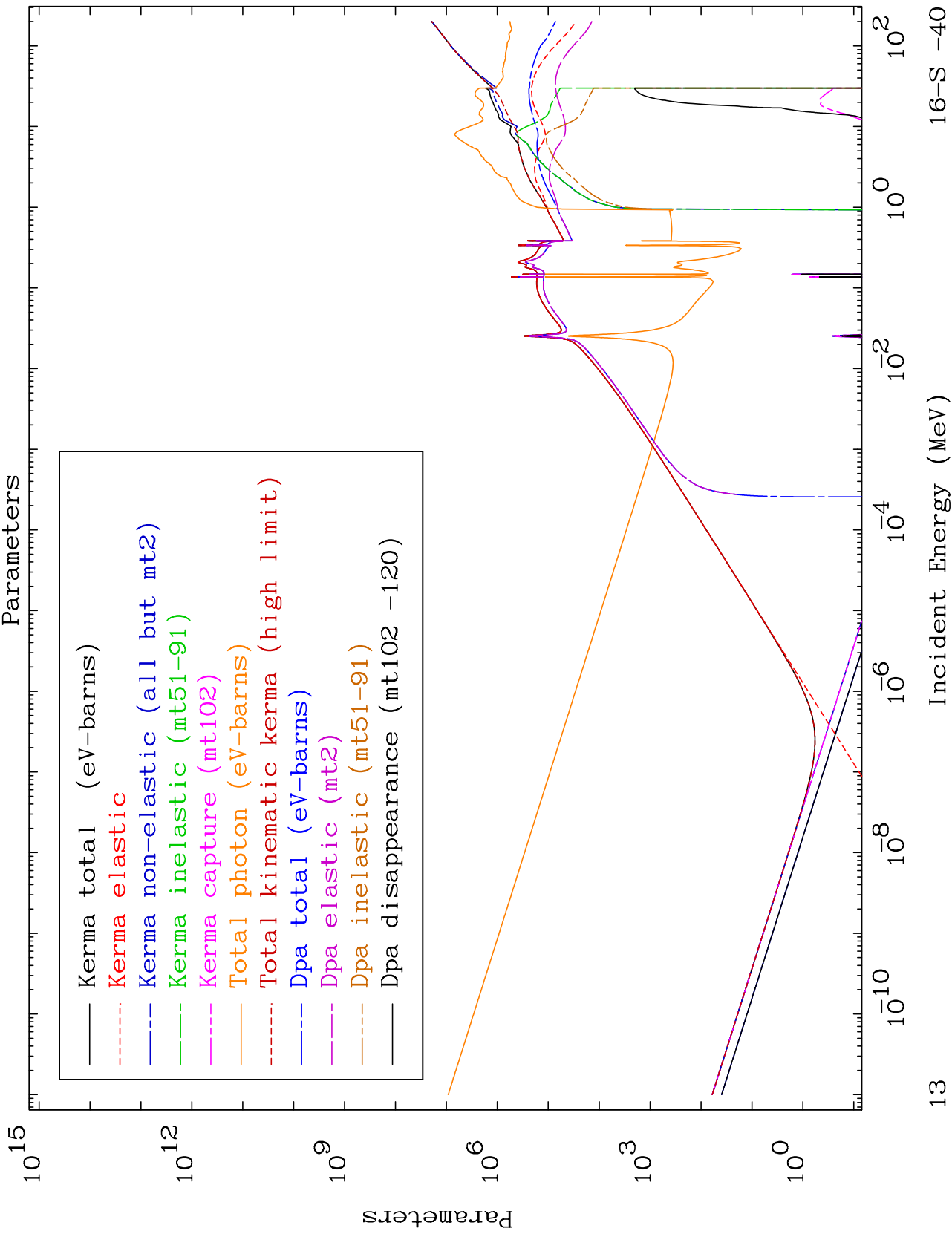
Incident Energy (MeV)

16-S -40

MAT 1649

Energy Release  
Parameters

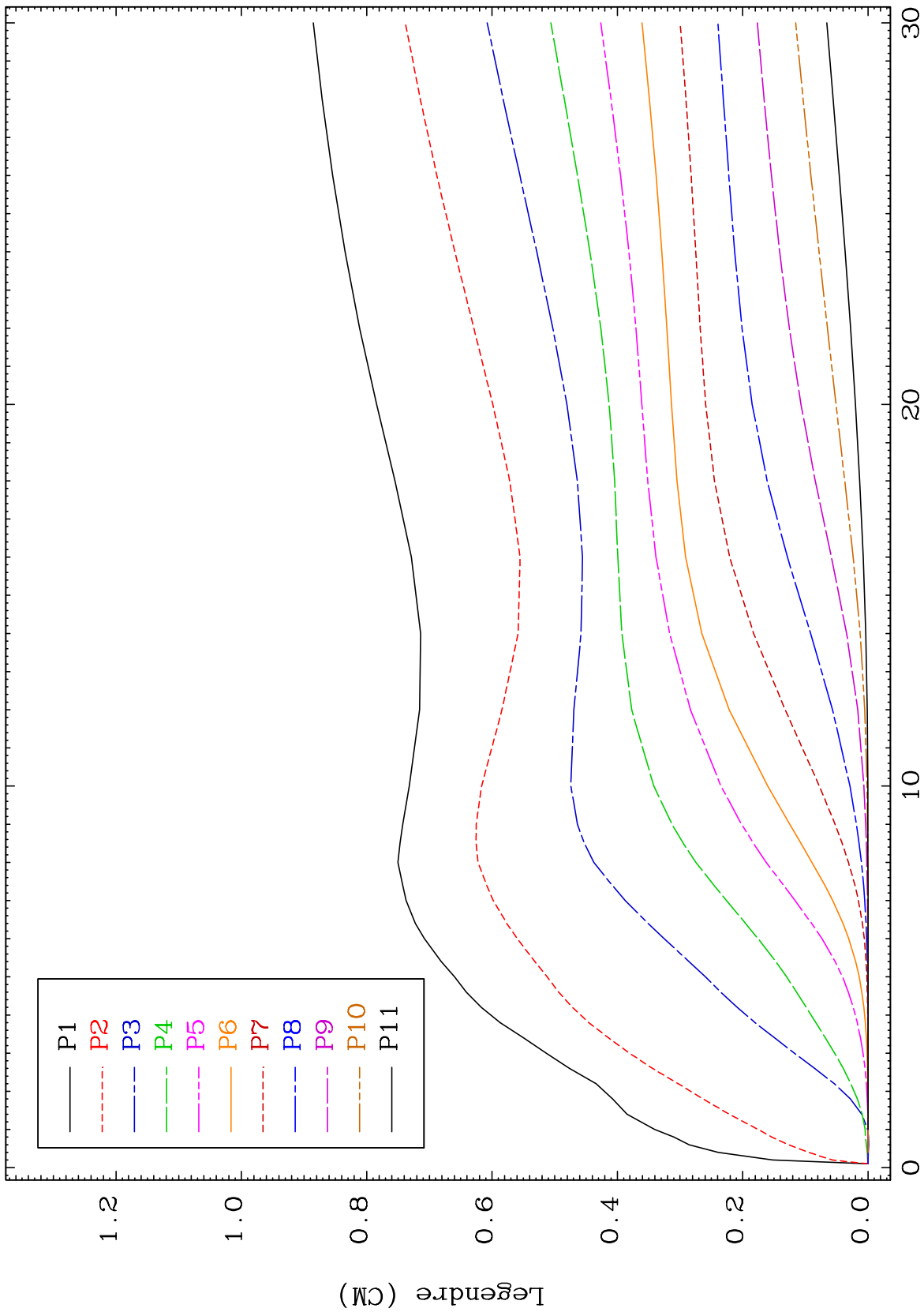
16-S -40



MAT 1649

Elastic Legendre Coefficients

16-S -40



14

Incident Energy (MeV)

16-S -40

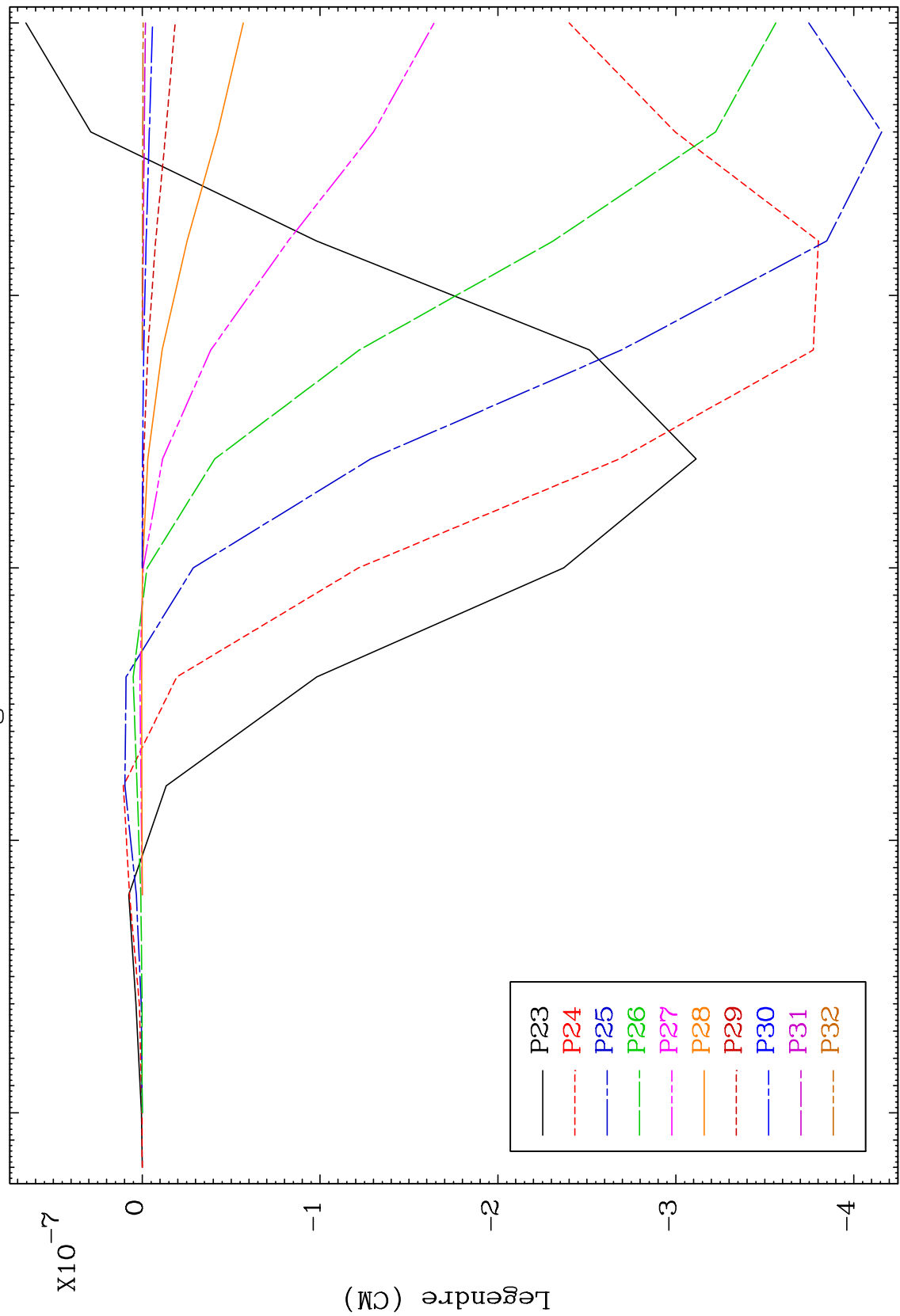




MAT 1649

Elastic Legendre Coefficients

16-S -40



16

Incident Energy (MeV)

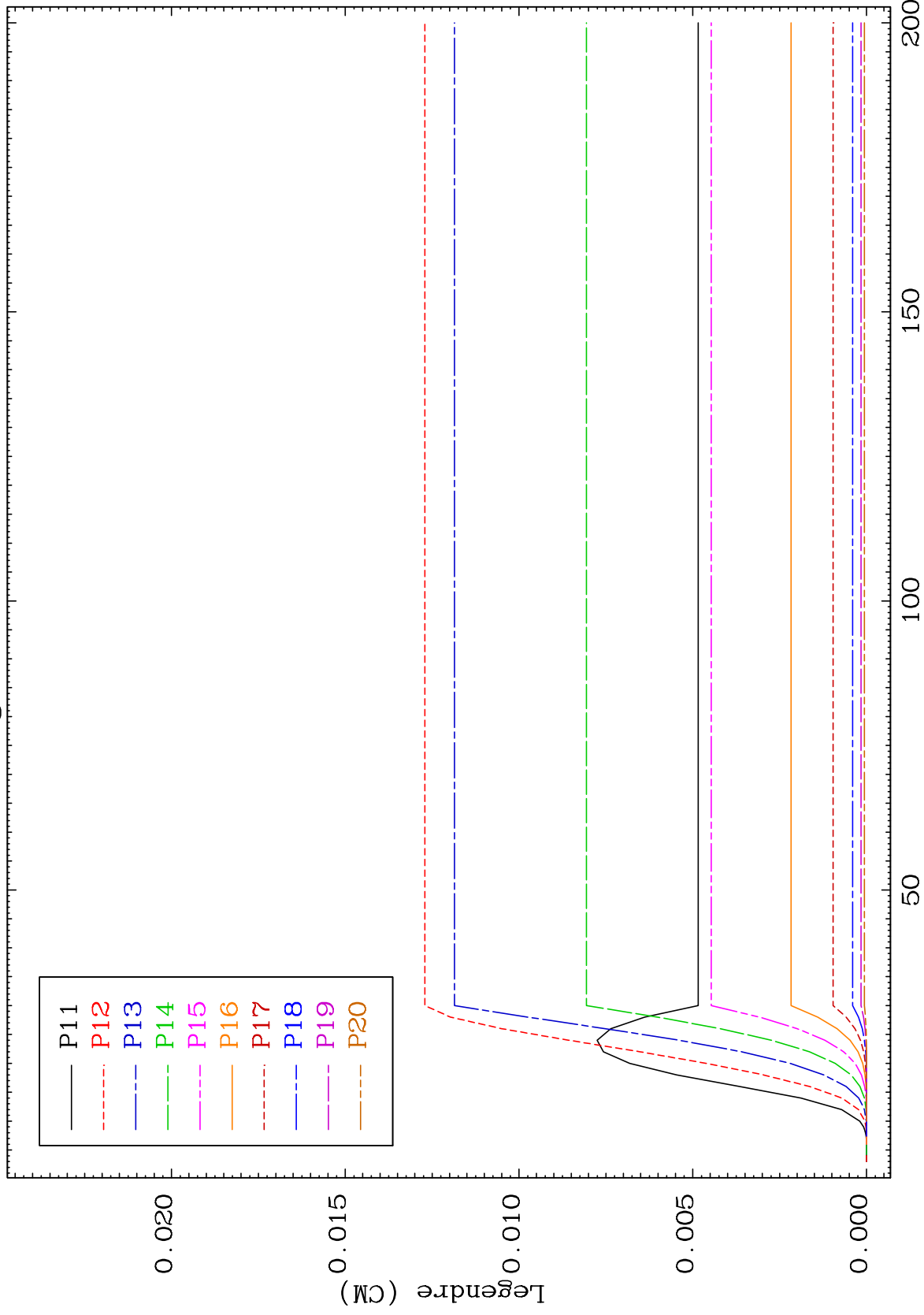
16-S -40



MAT 1649

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

16-S -40



18

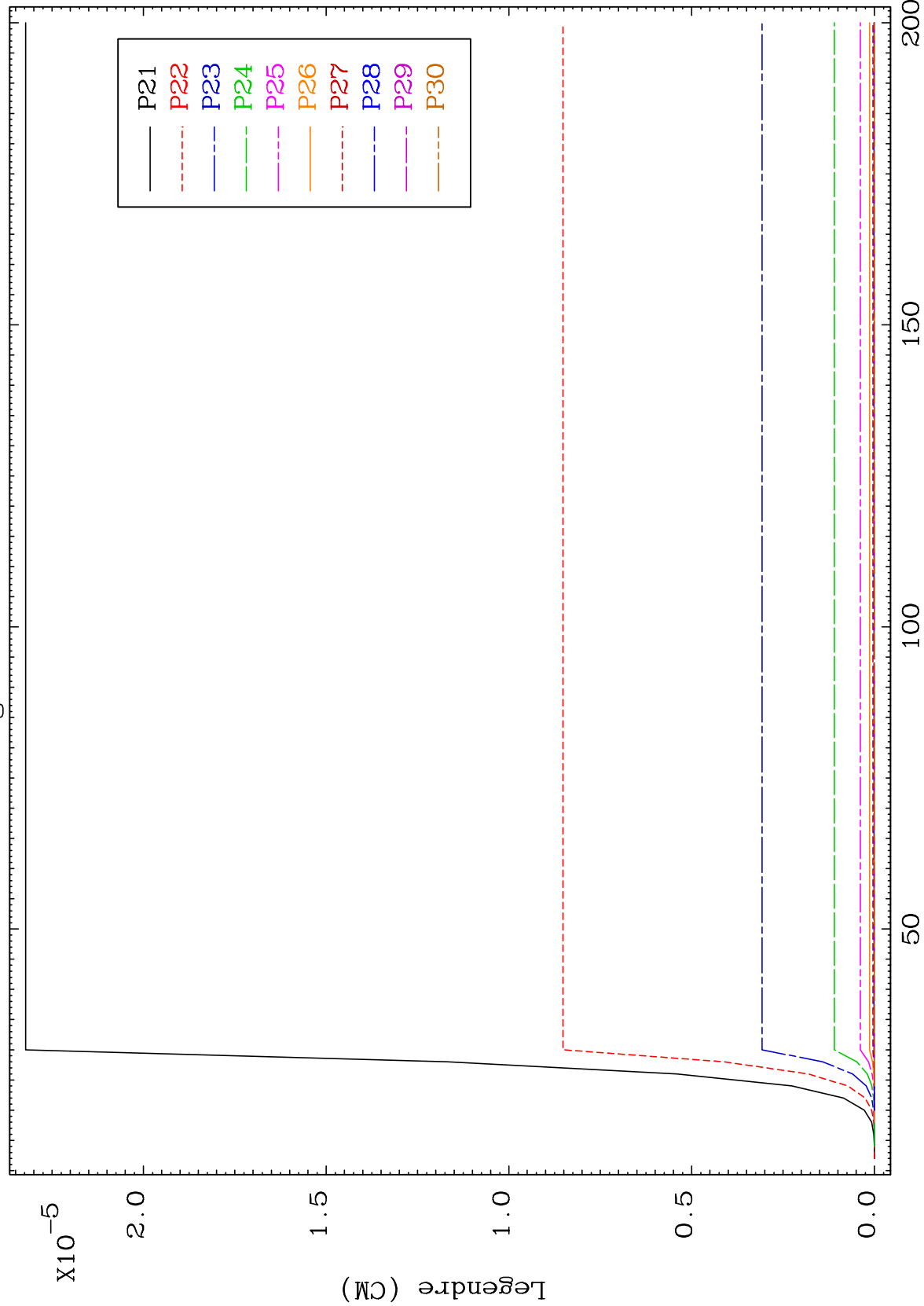
Incident Energy (MeV)

16-S -40

MAT 1649

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

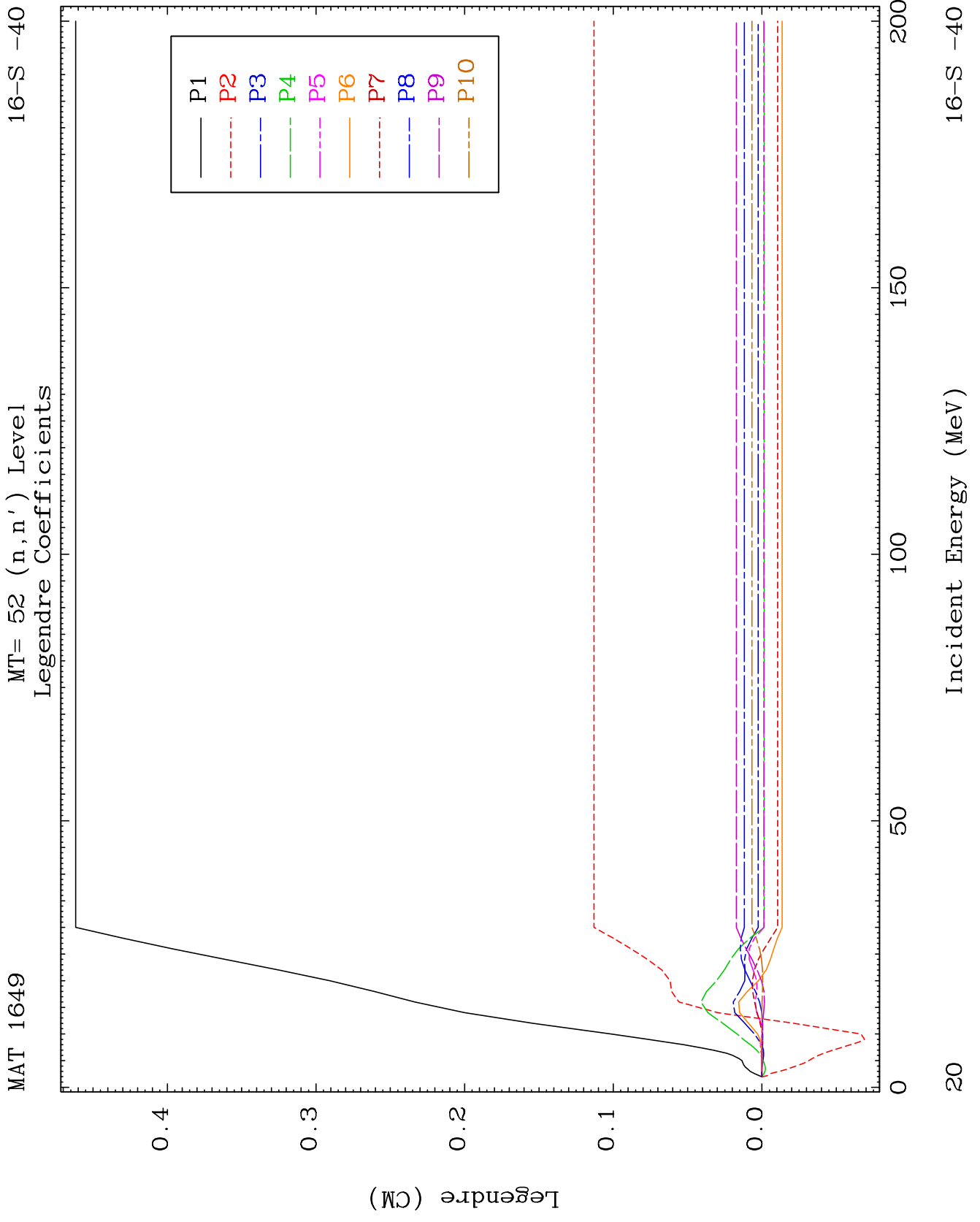
16-S -40

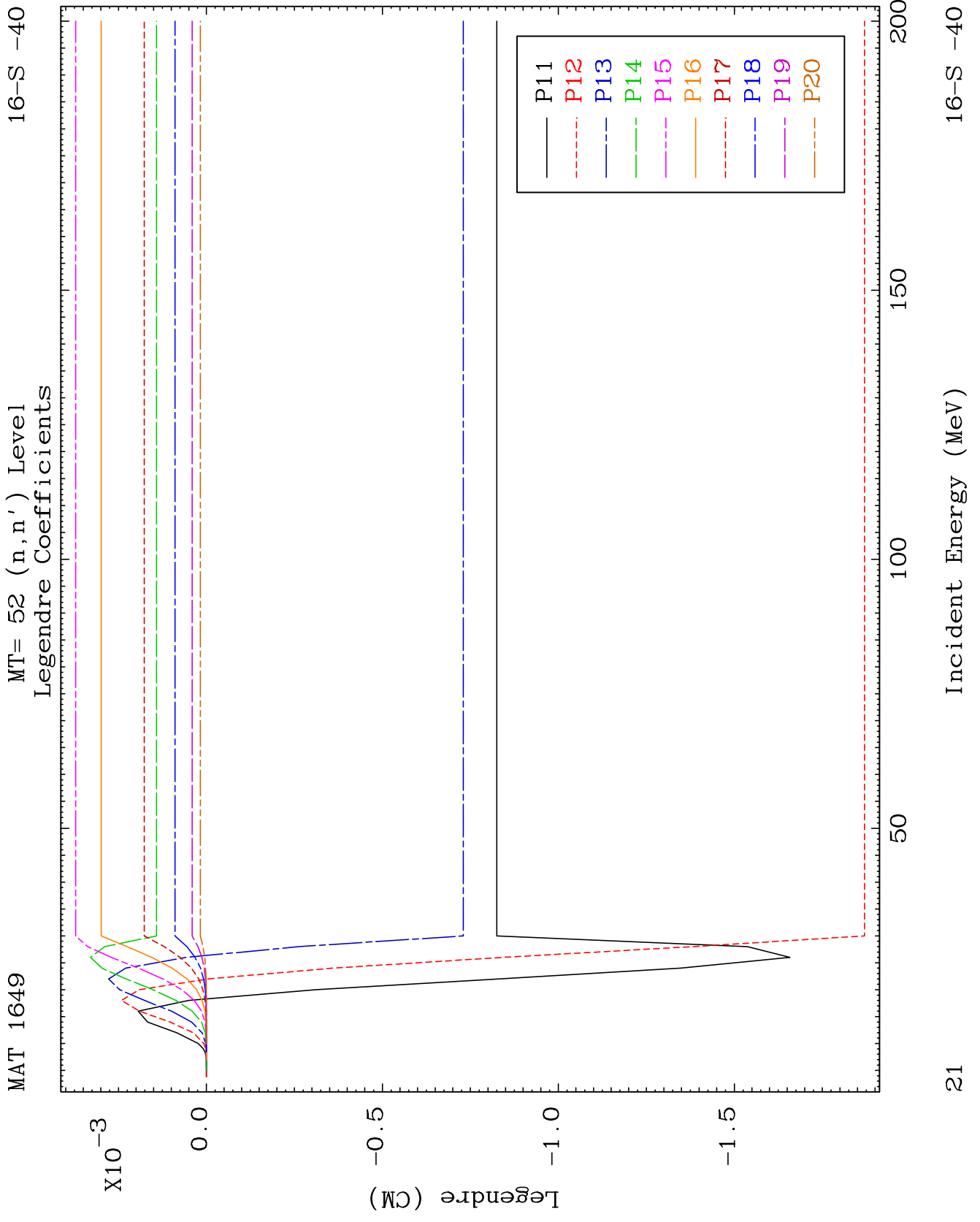


19

Incident Energy (MeV)

16-S -40

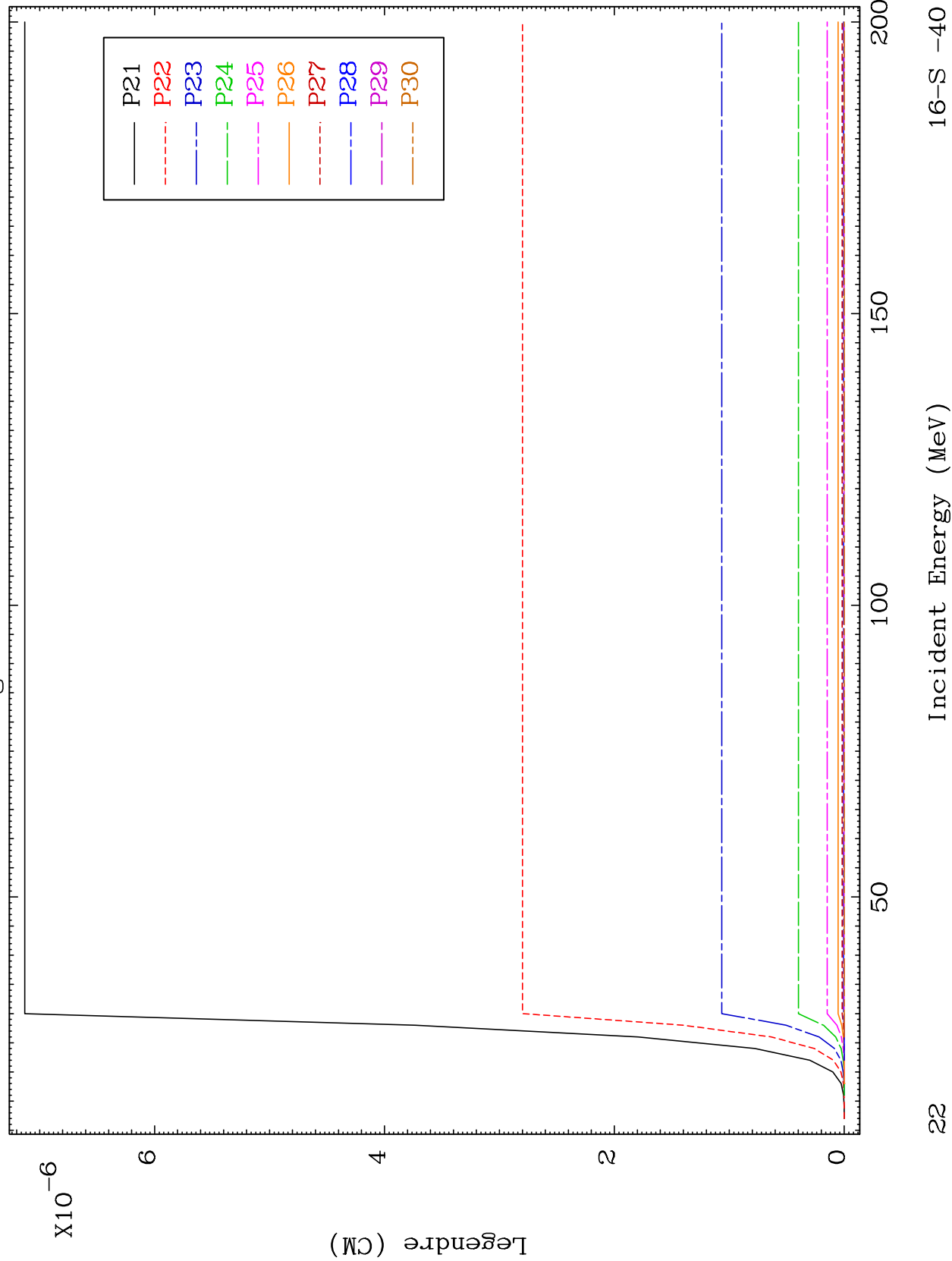




MAT 1649

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

16-S -40



22

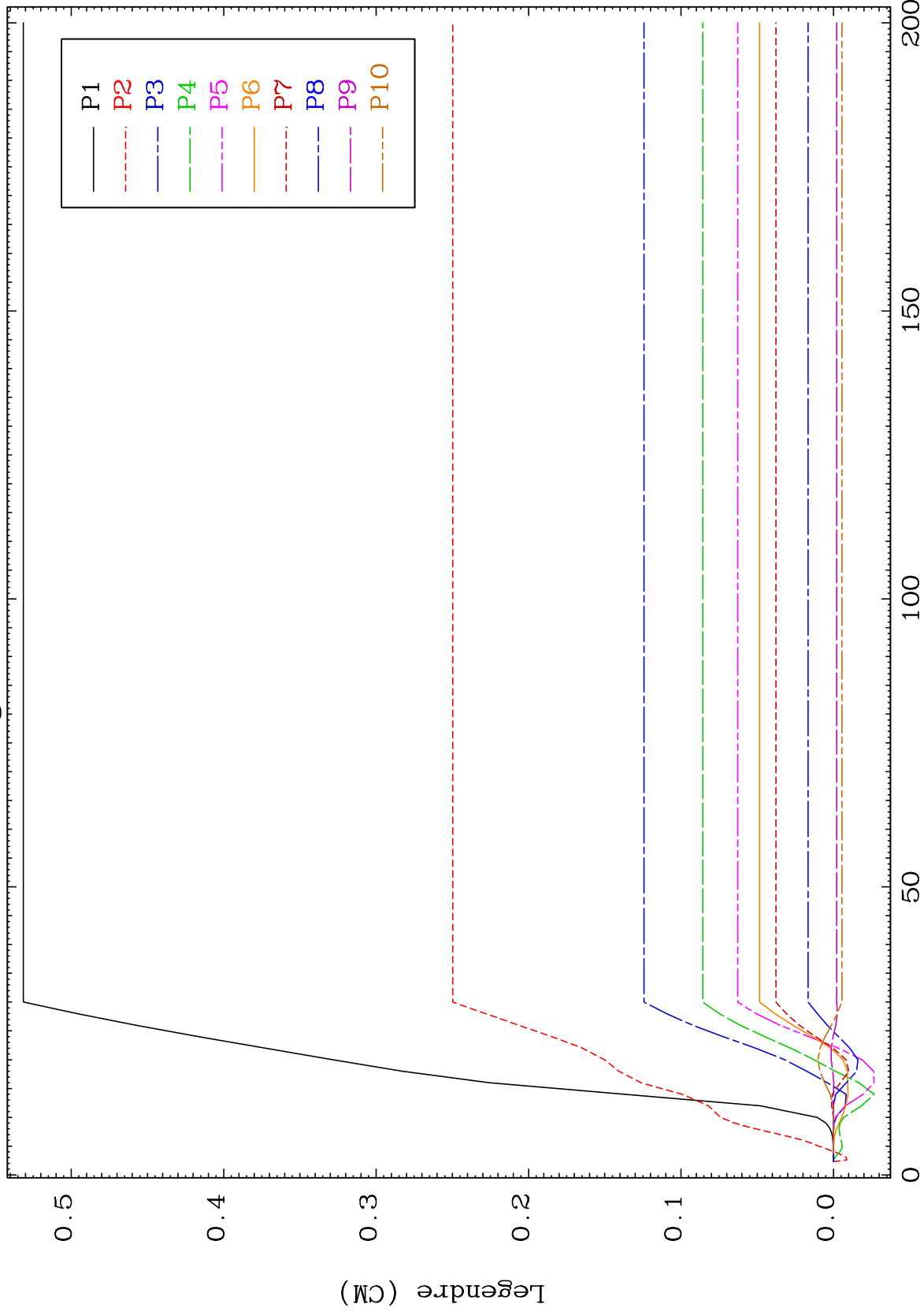
Incident Energy (MeV)

16-S -40

MAT 1649

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

16-S -40



23

Incident Energy (MeV)

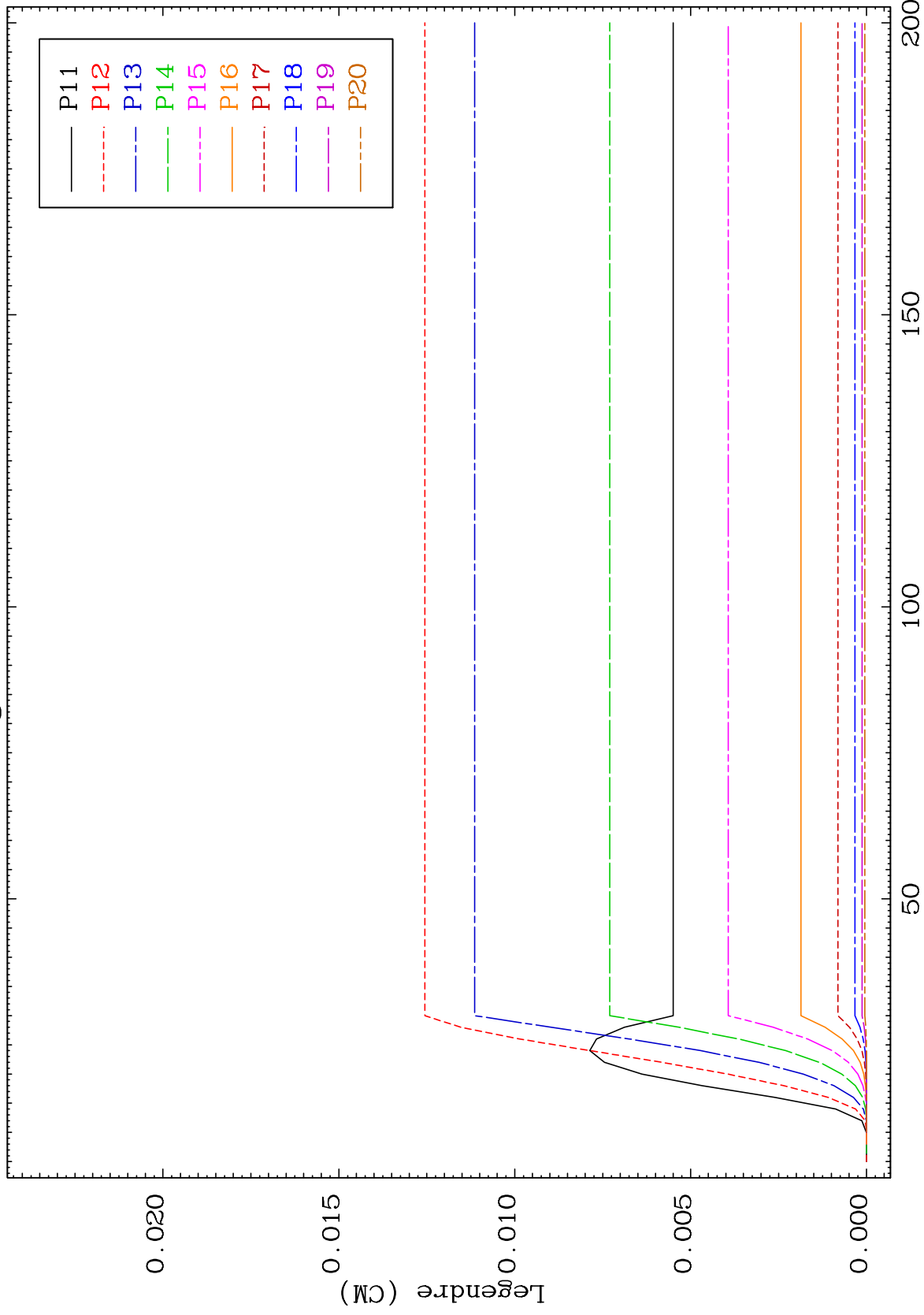
16-S -40



MAT 1649

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

16-S -40



24

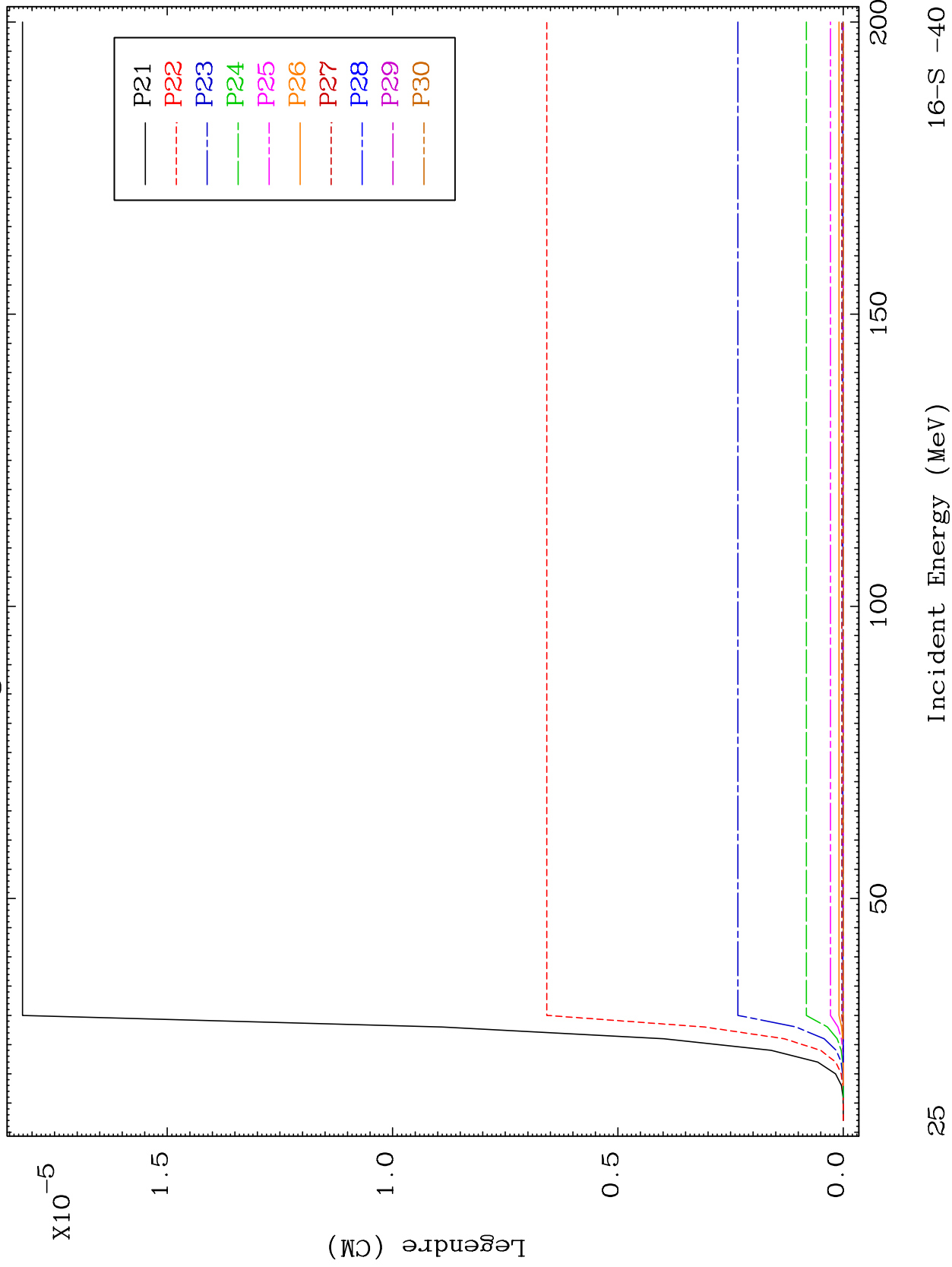
Incident Energy (MeV)

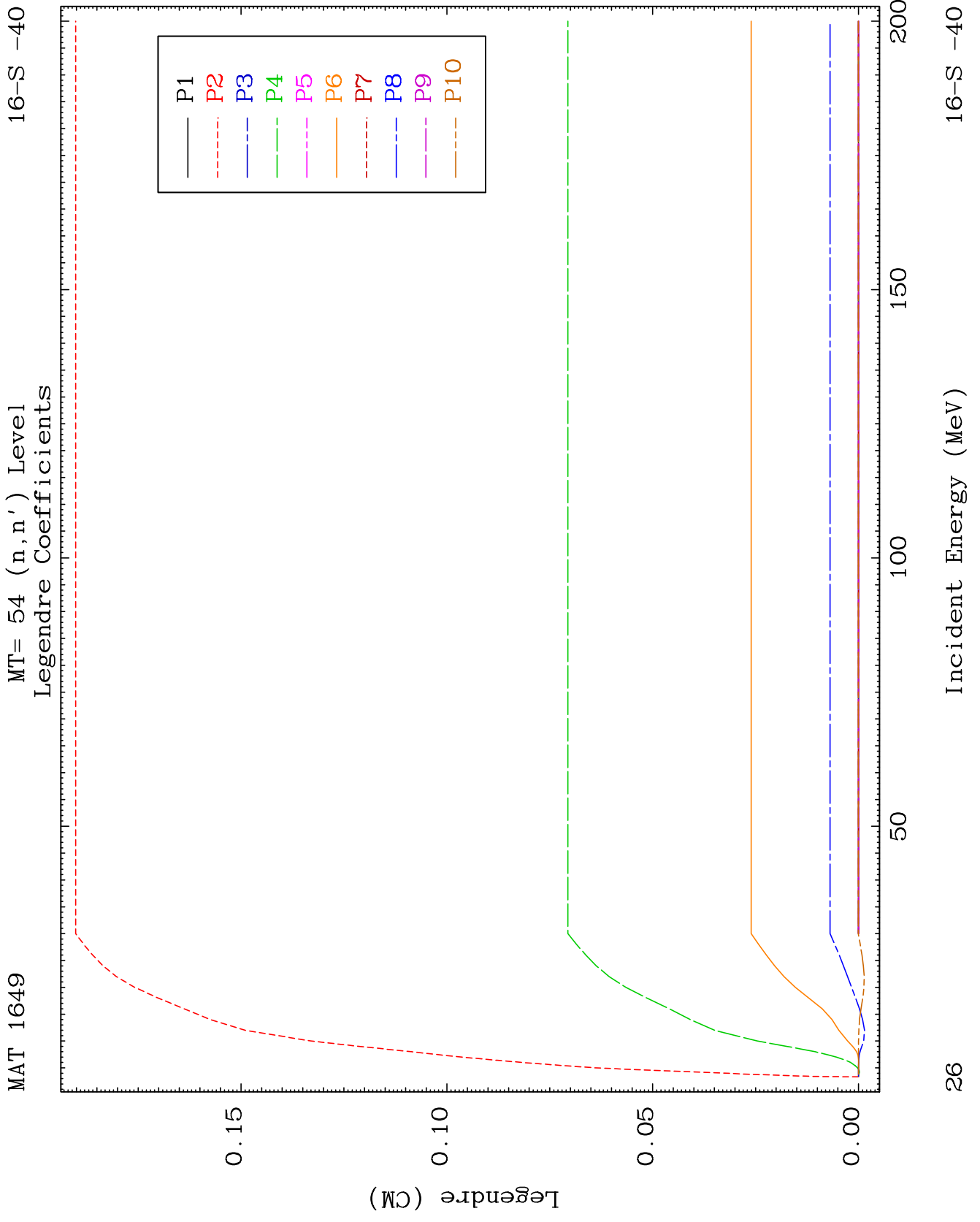
16-S -40

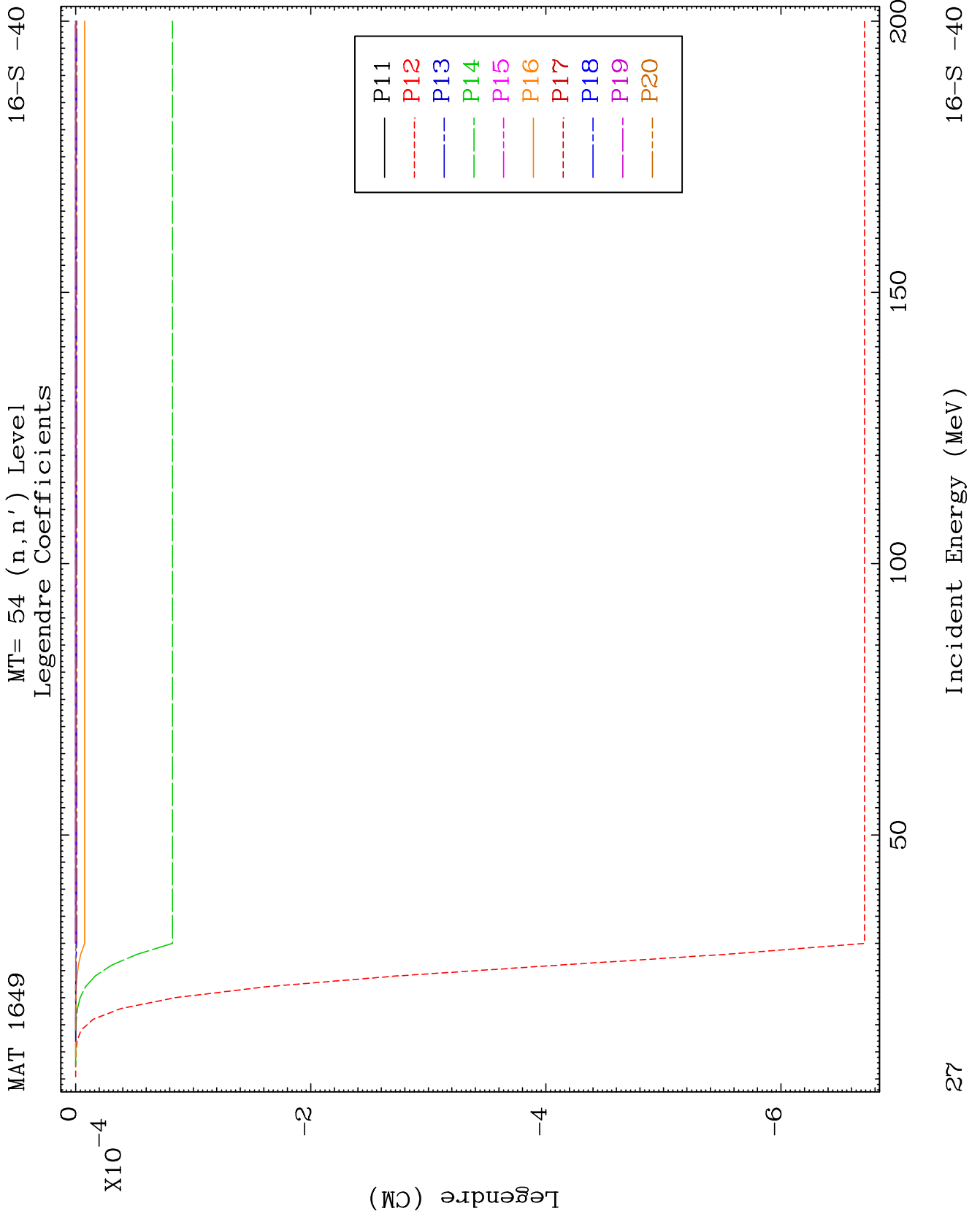
MAT 1649

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

16-S -40



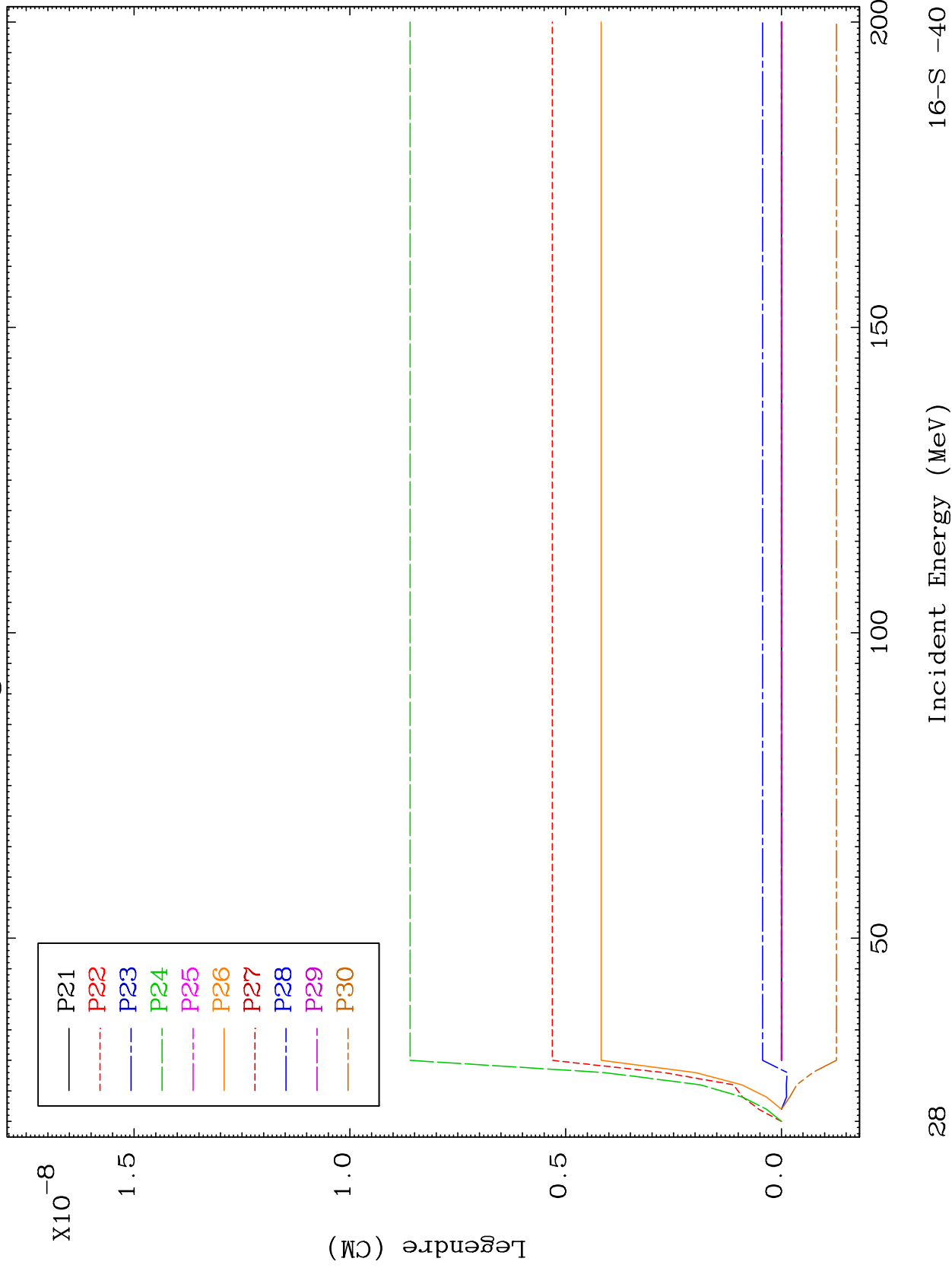




MAT 1649

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

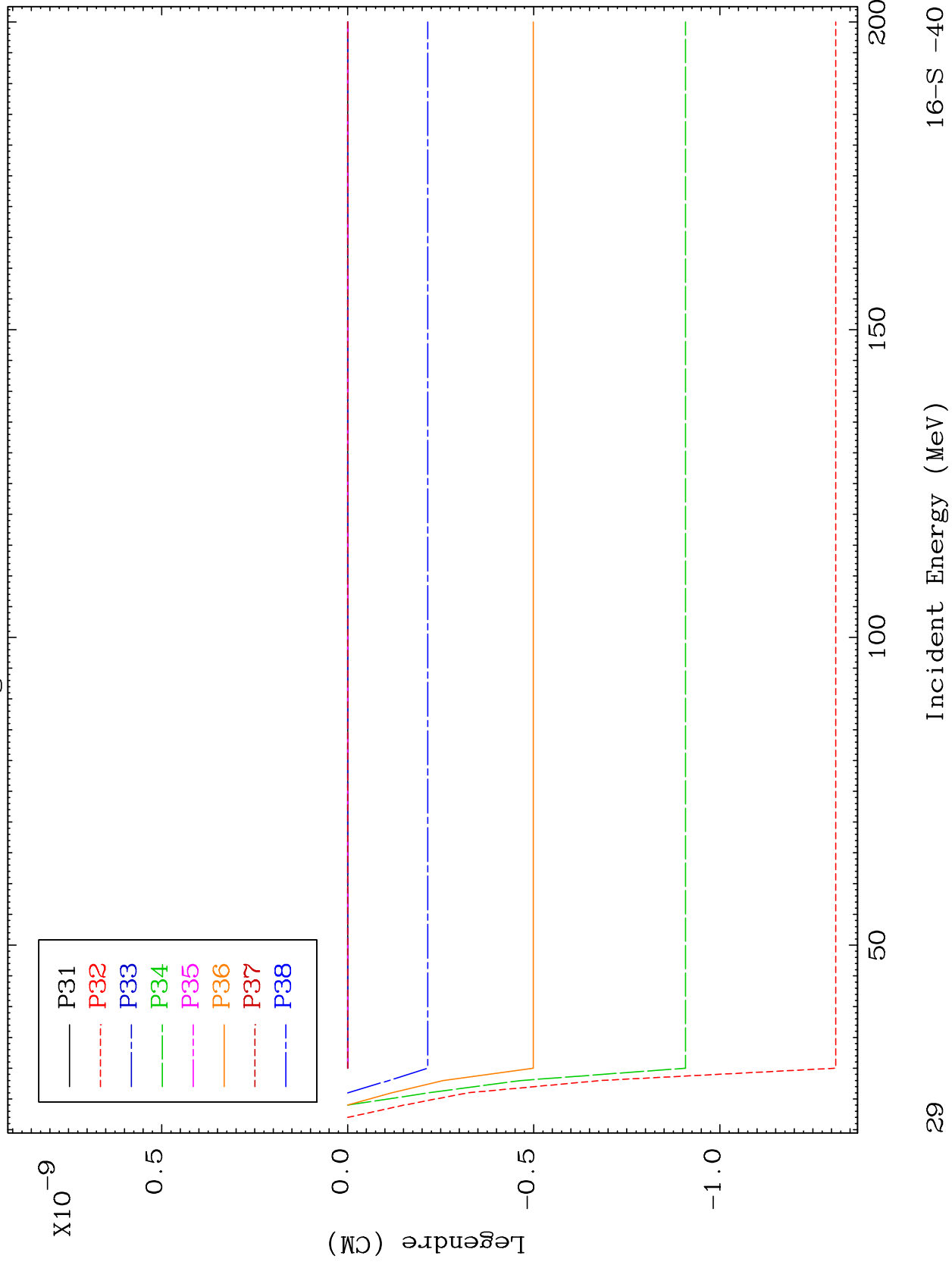
16-S -40



MAT 1649

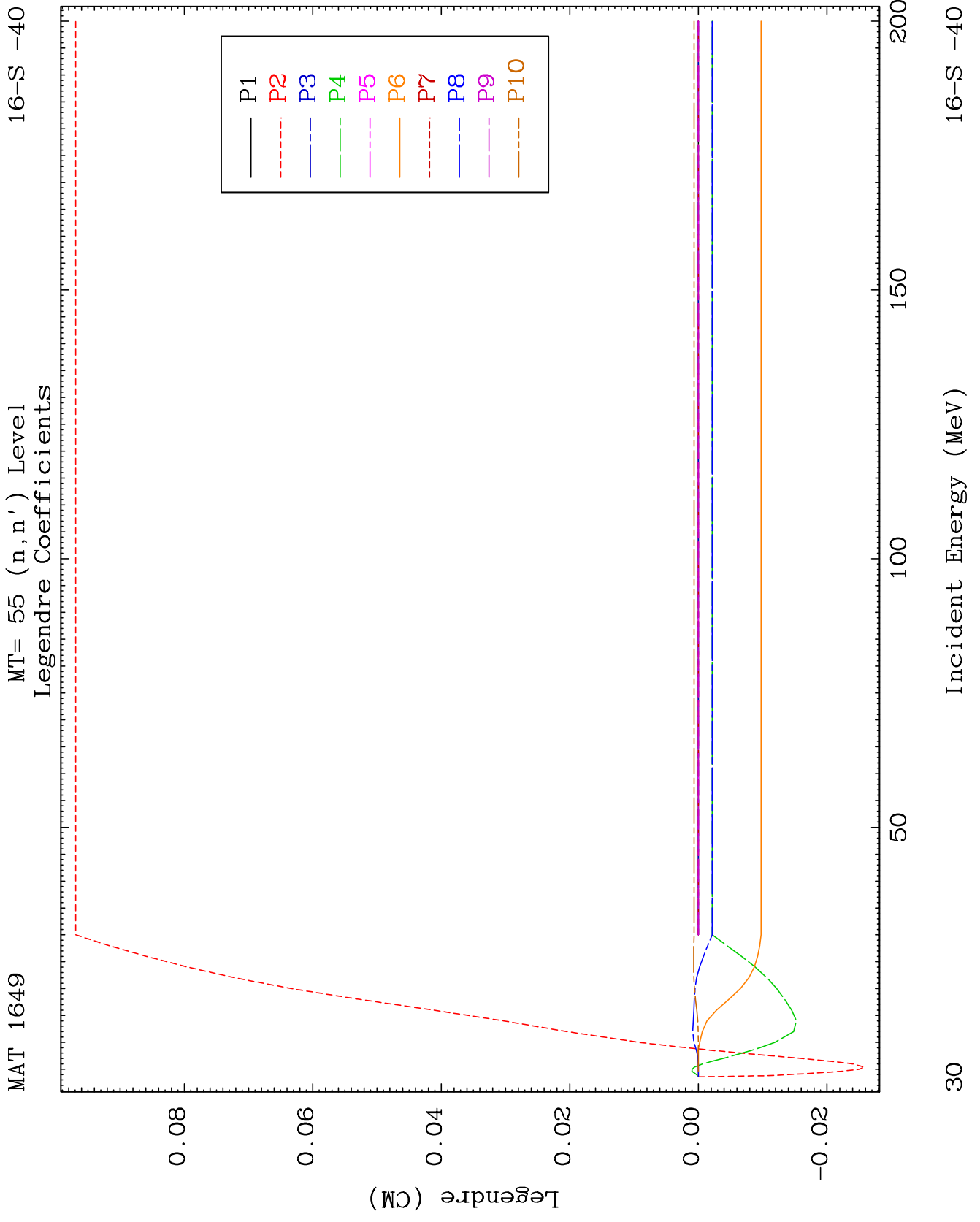
MT= 54 (n,n') Level  
Legendre Coefficients

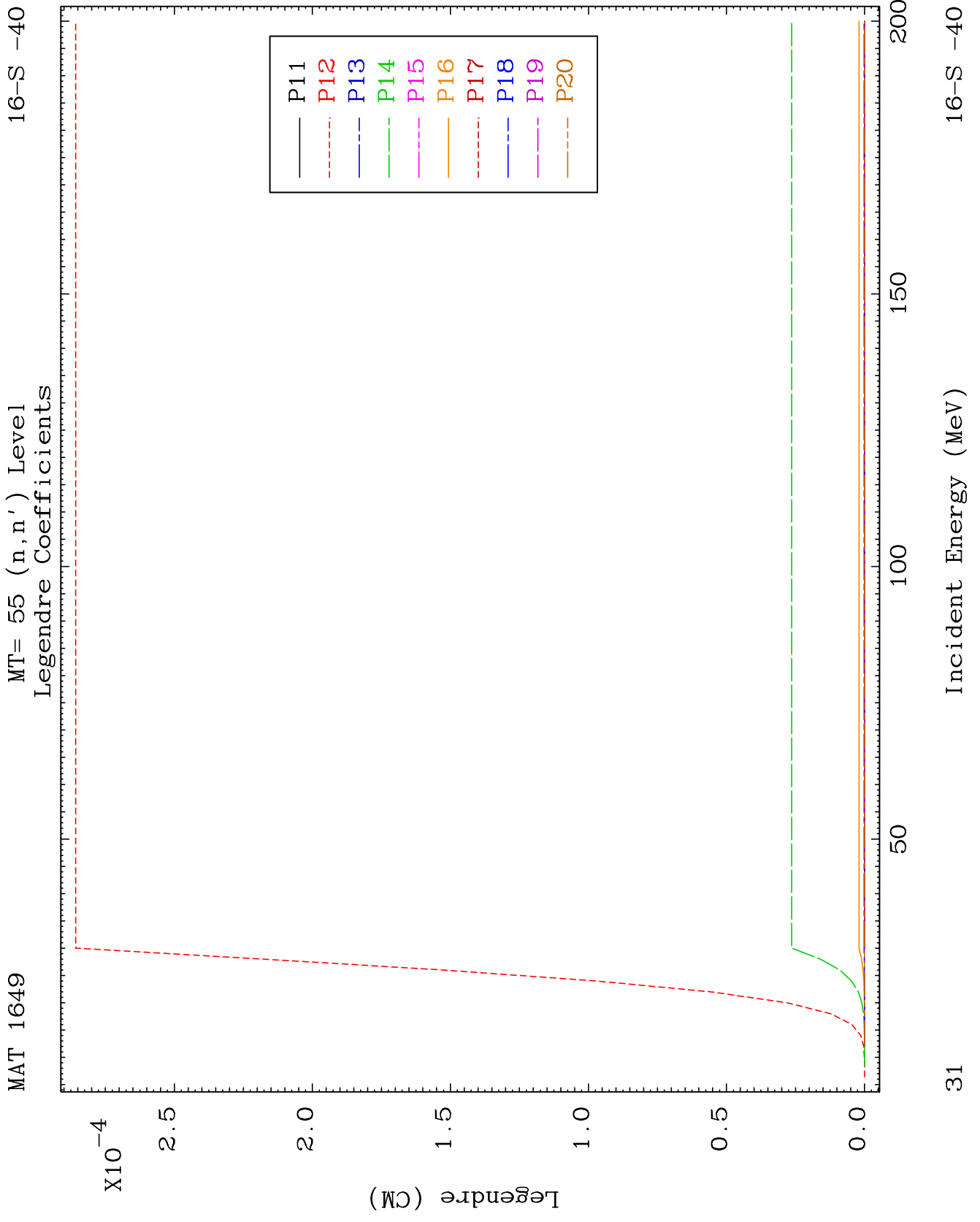
16-S -40



29

16-S -40



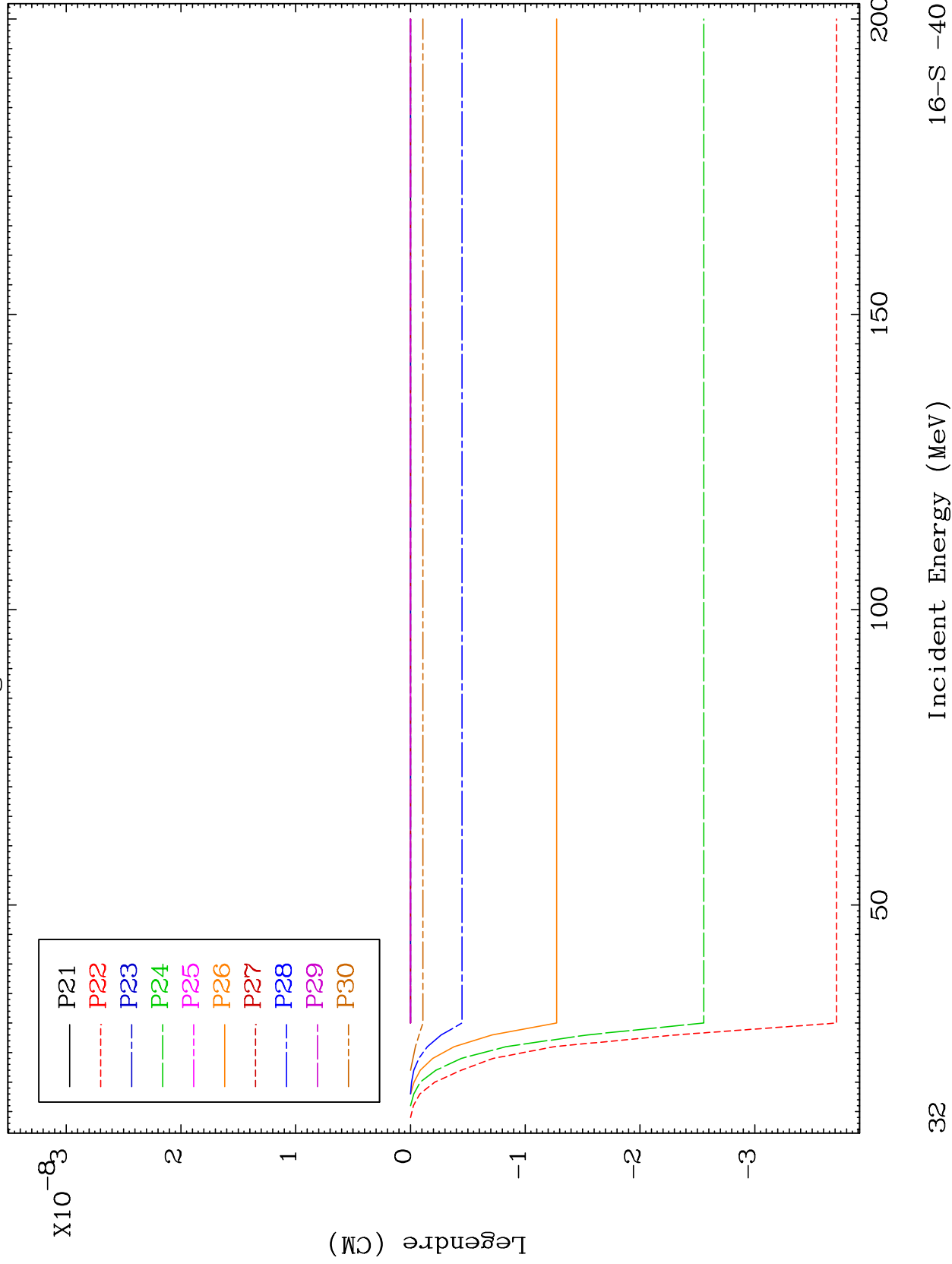




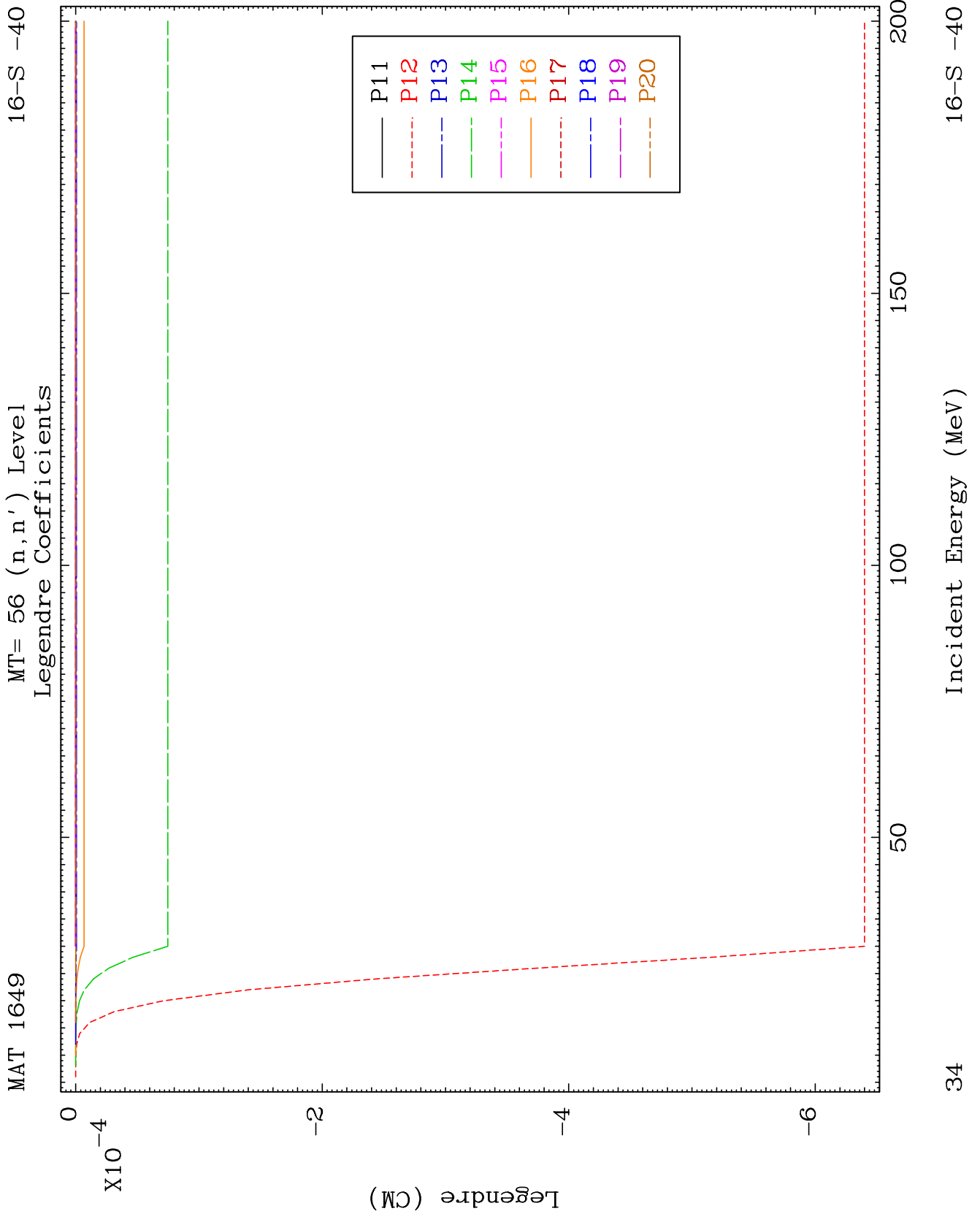
MAT 1649

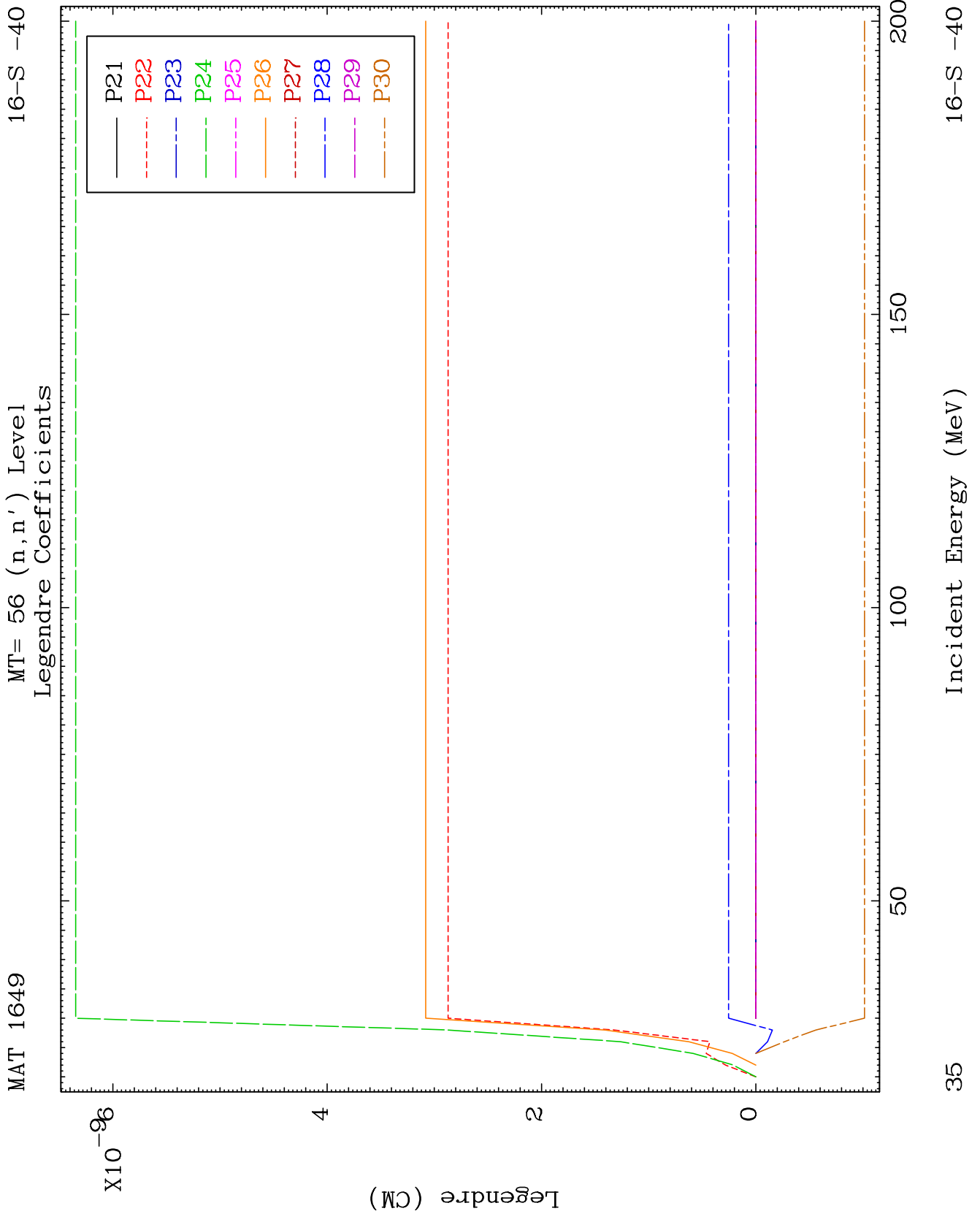
MT= 55 (n,n') Level  
Legendre Coefficients

16-S -40





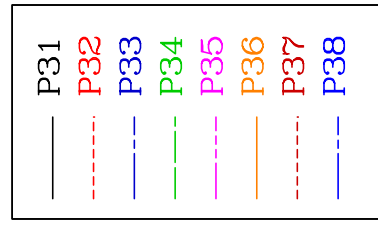




MAT 1649

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

16-S -40



$\times 10^{-9}$   
0.5

Legendre (CM)

0.0

-0.5

-1.0

50

100

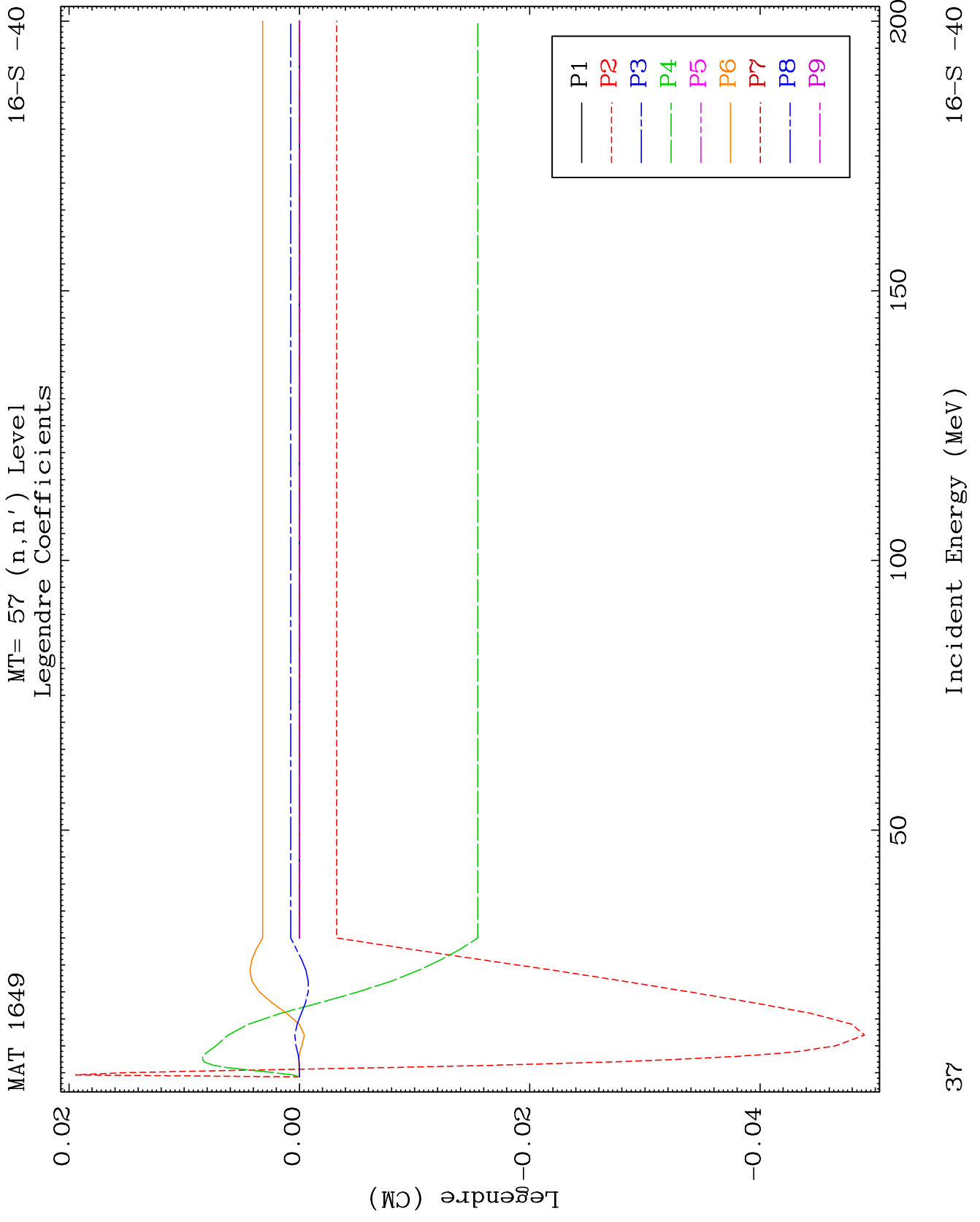
150

200

36

Incident Energy (MeV)

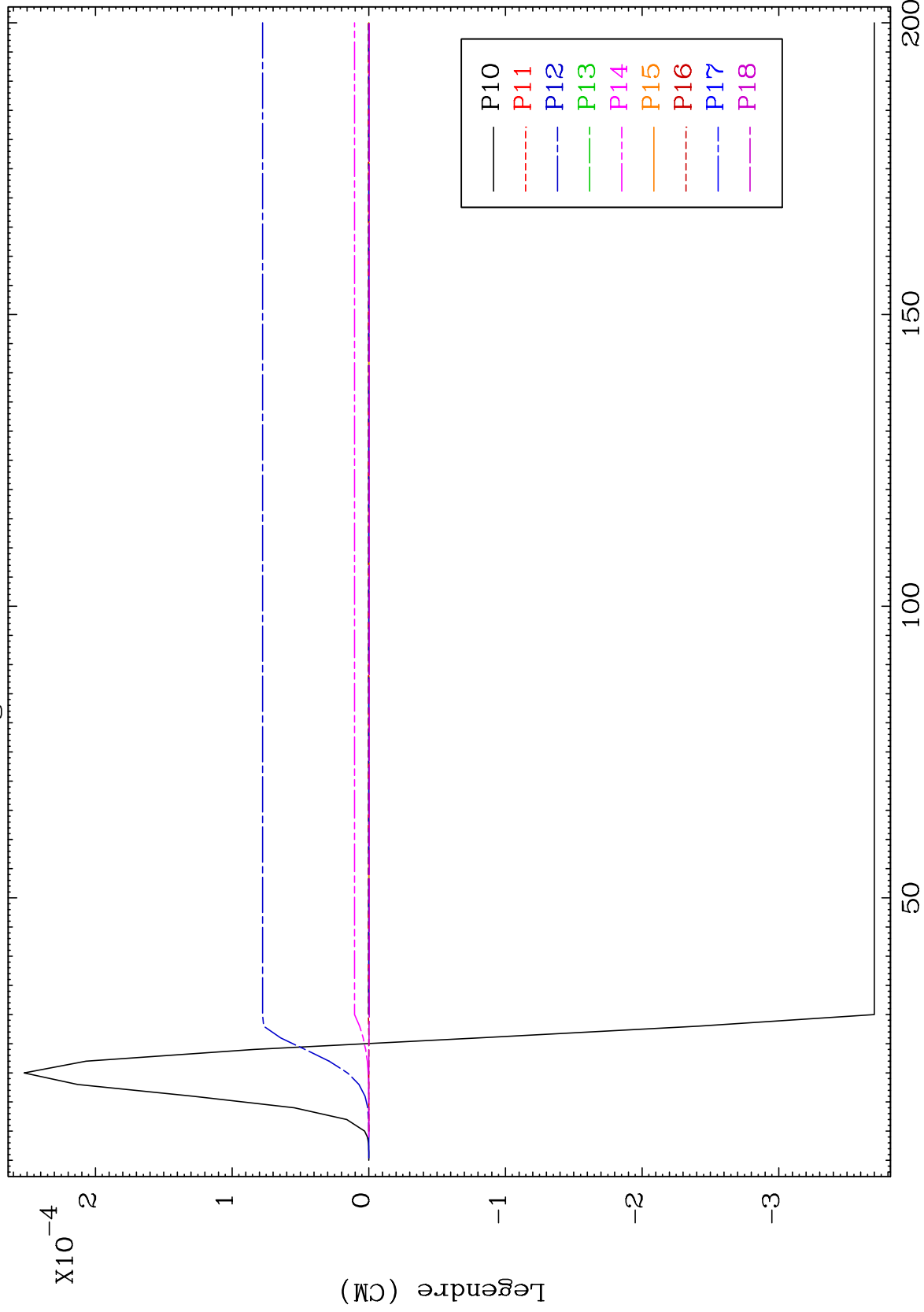
16-S -40



MAT 1649

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

16-S -40



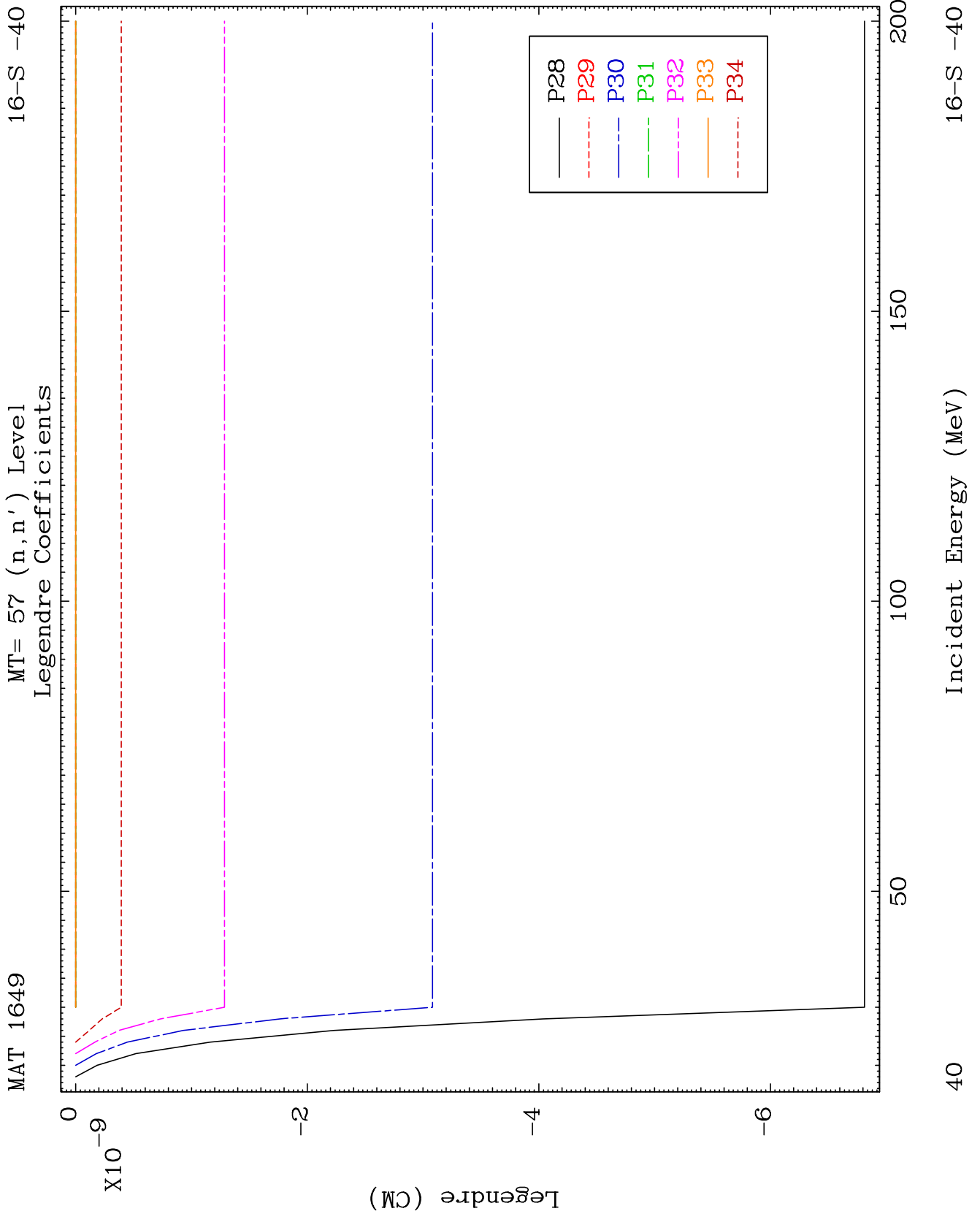
38

Incident Energy (MeV)

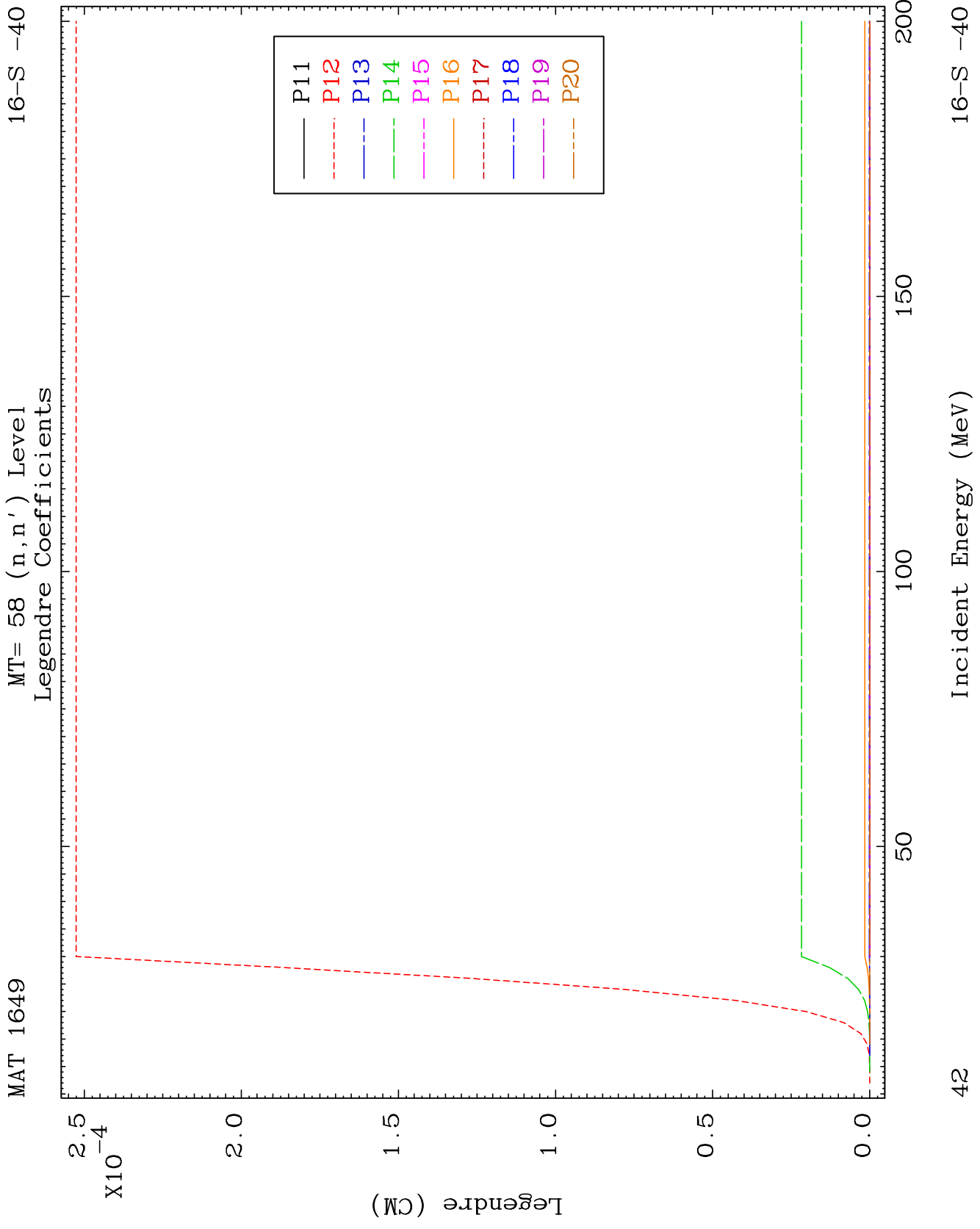
16-S -40







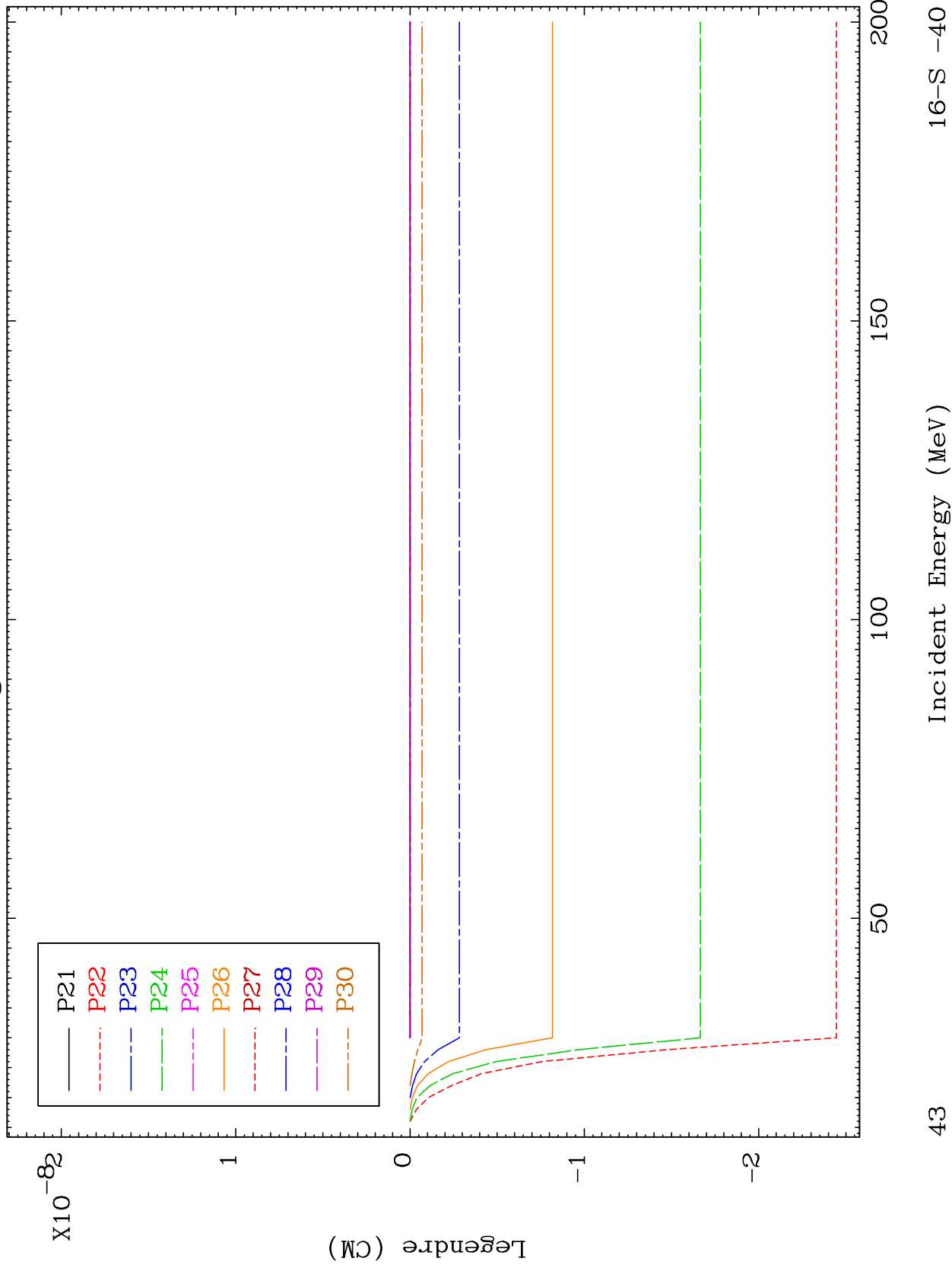




MAT 1649

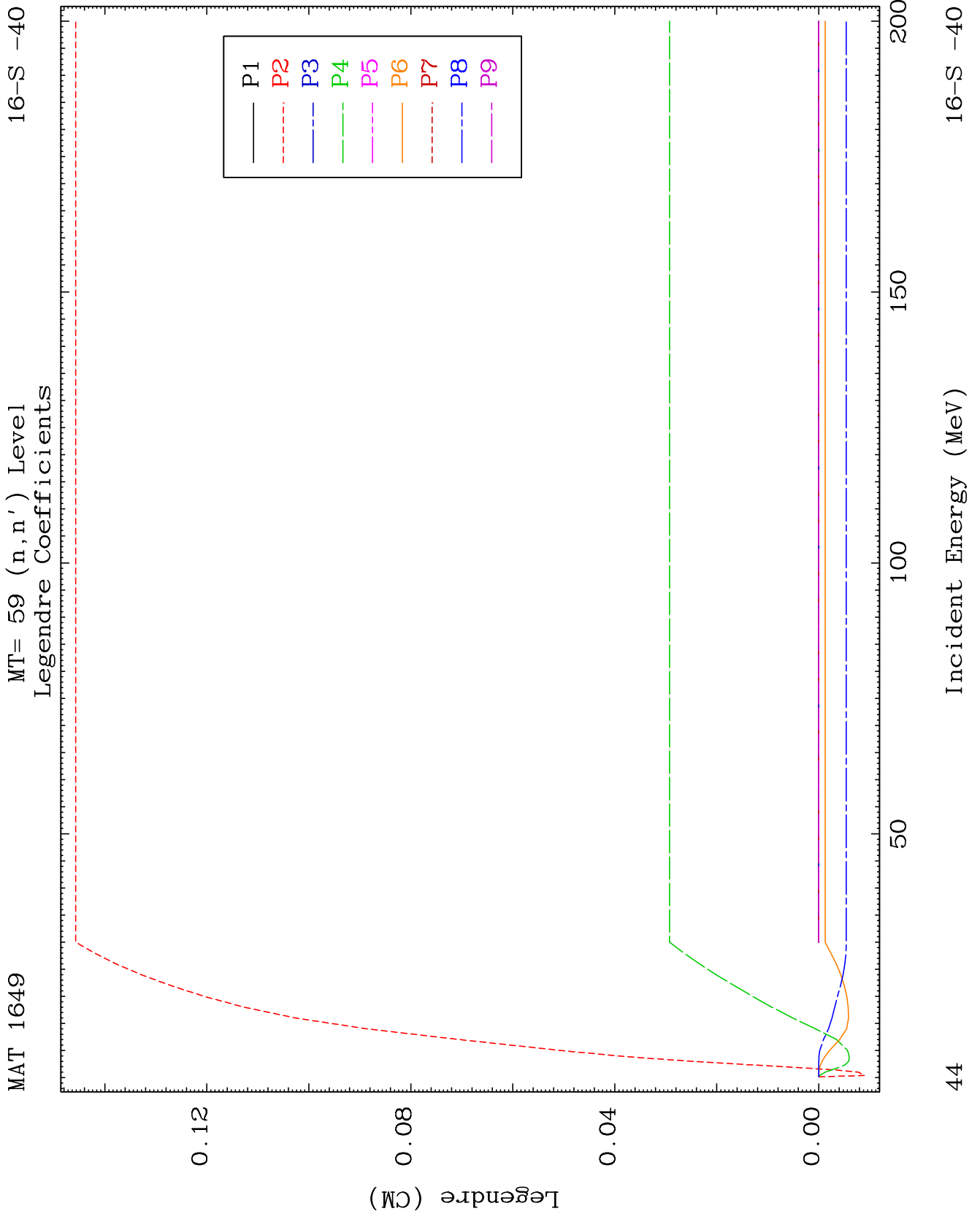
MT= 58 (n,n') Level  
Legendre Coefficients

16-S -40

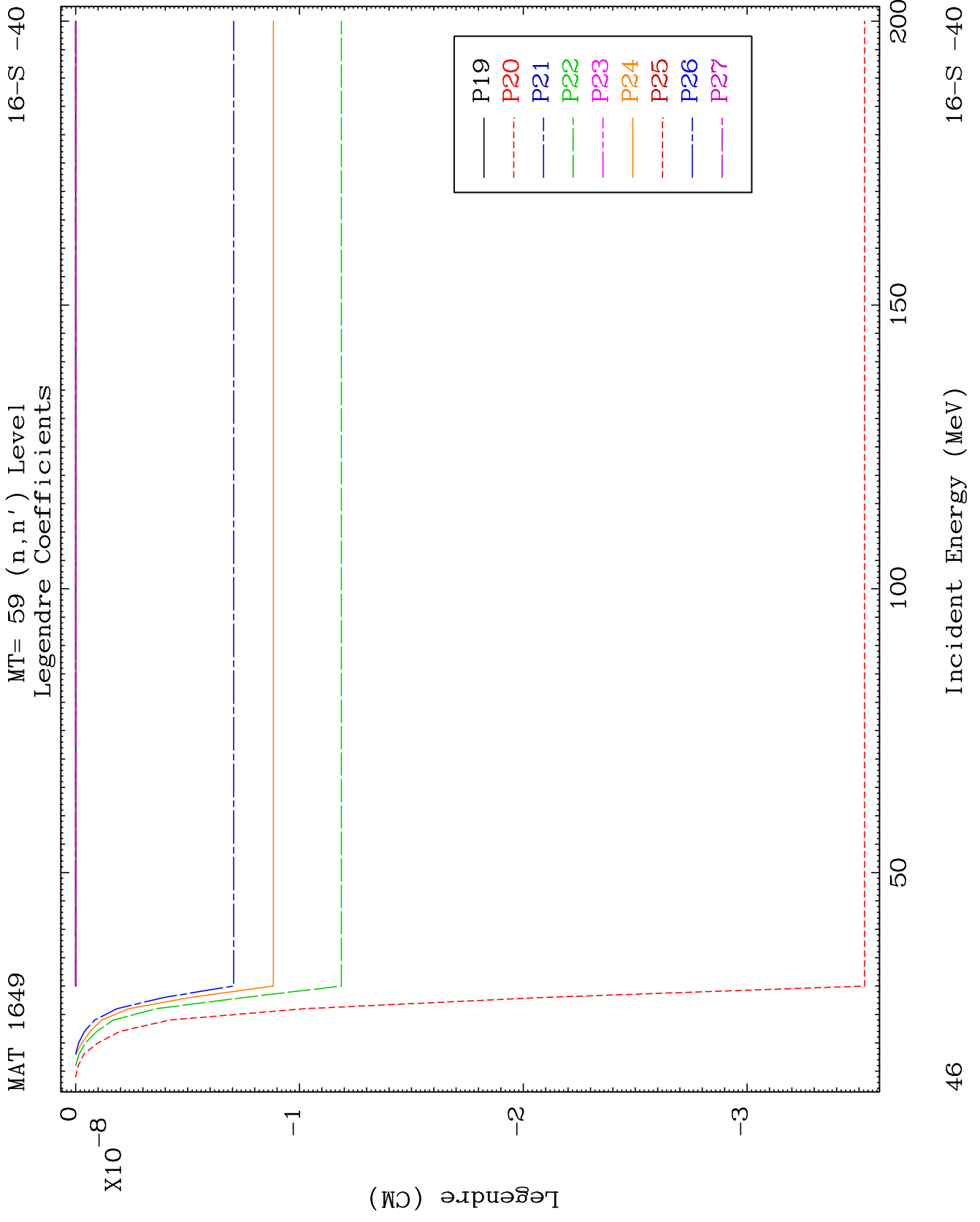


43

16-S -40









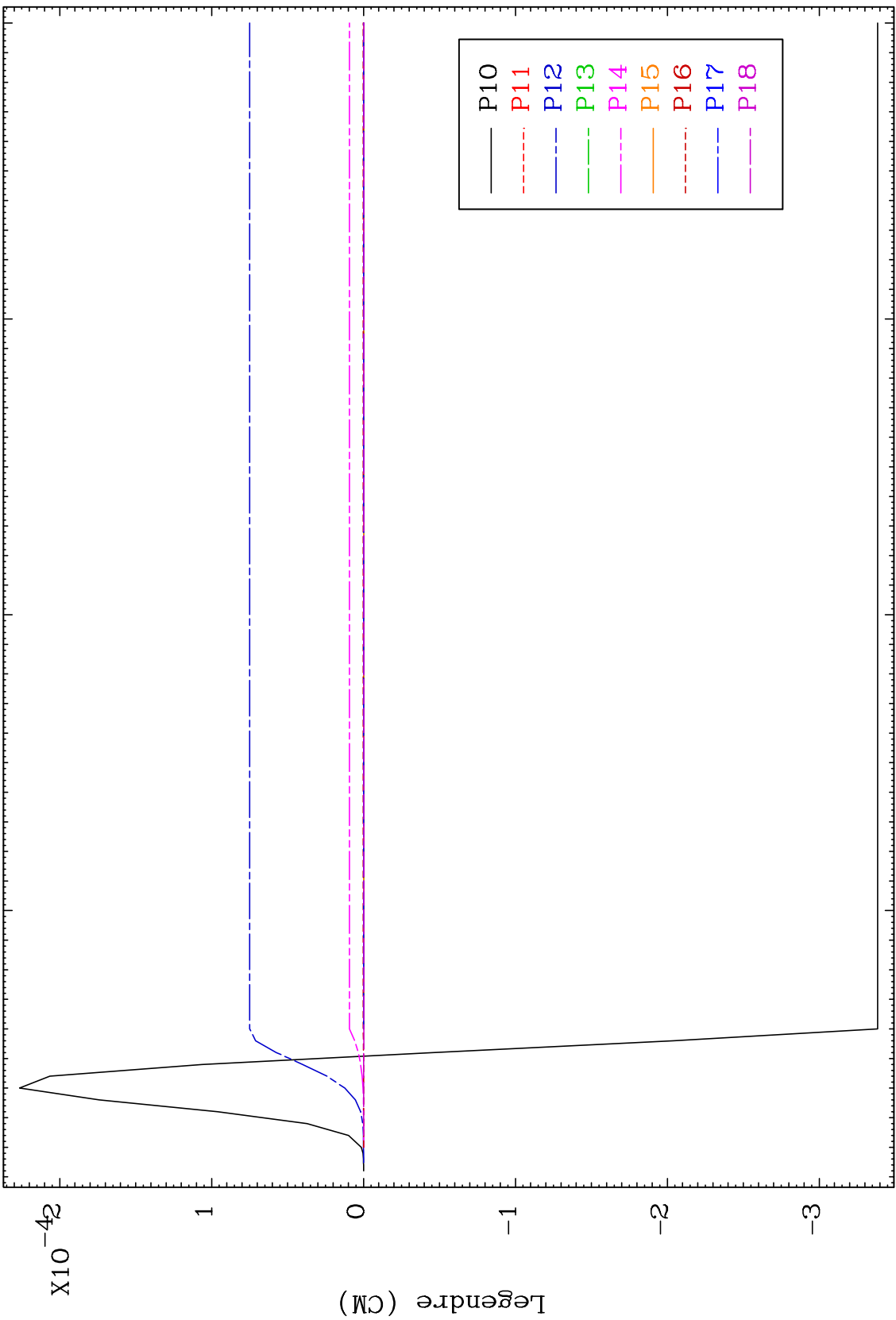




MAT 1649

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

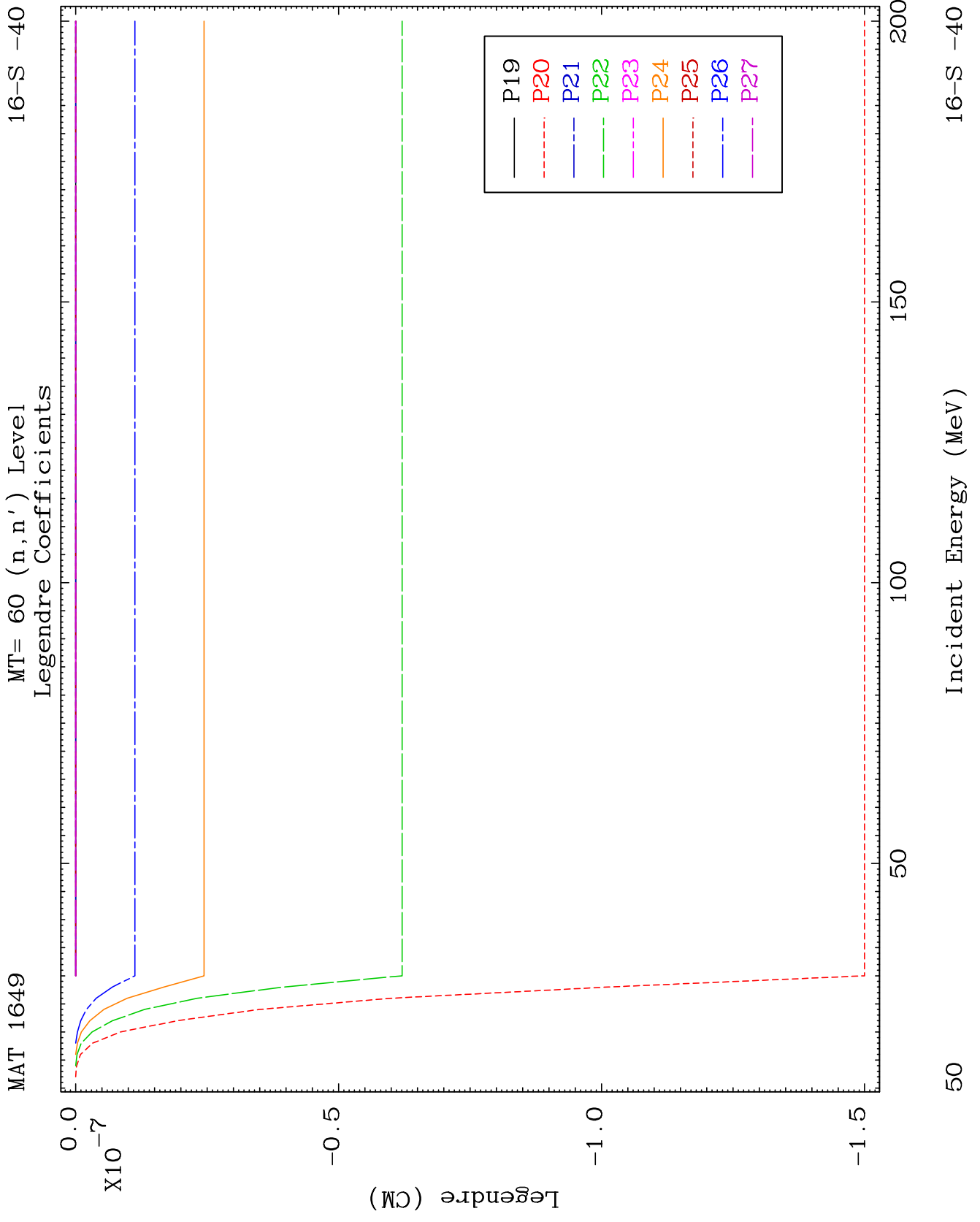
16-S -40

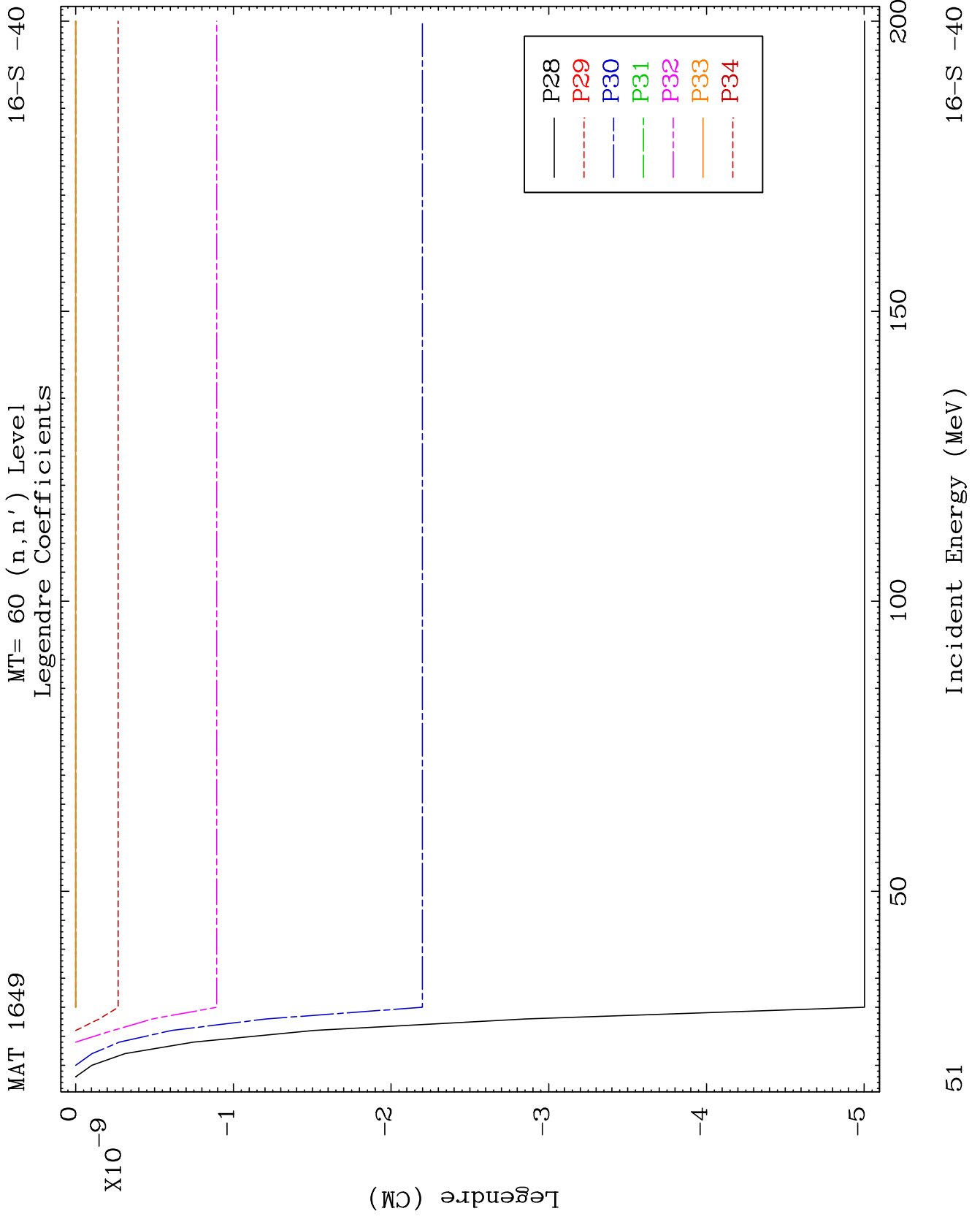


49

Incident Energy (MeV)

16-S -40

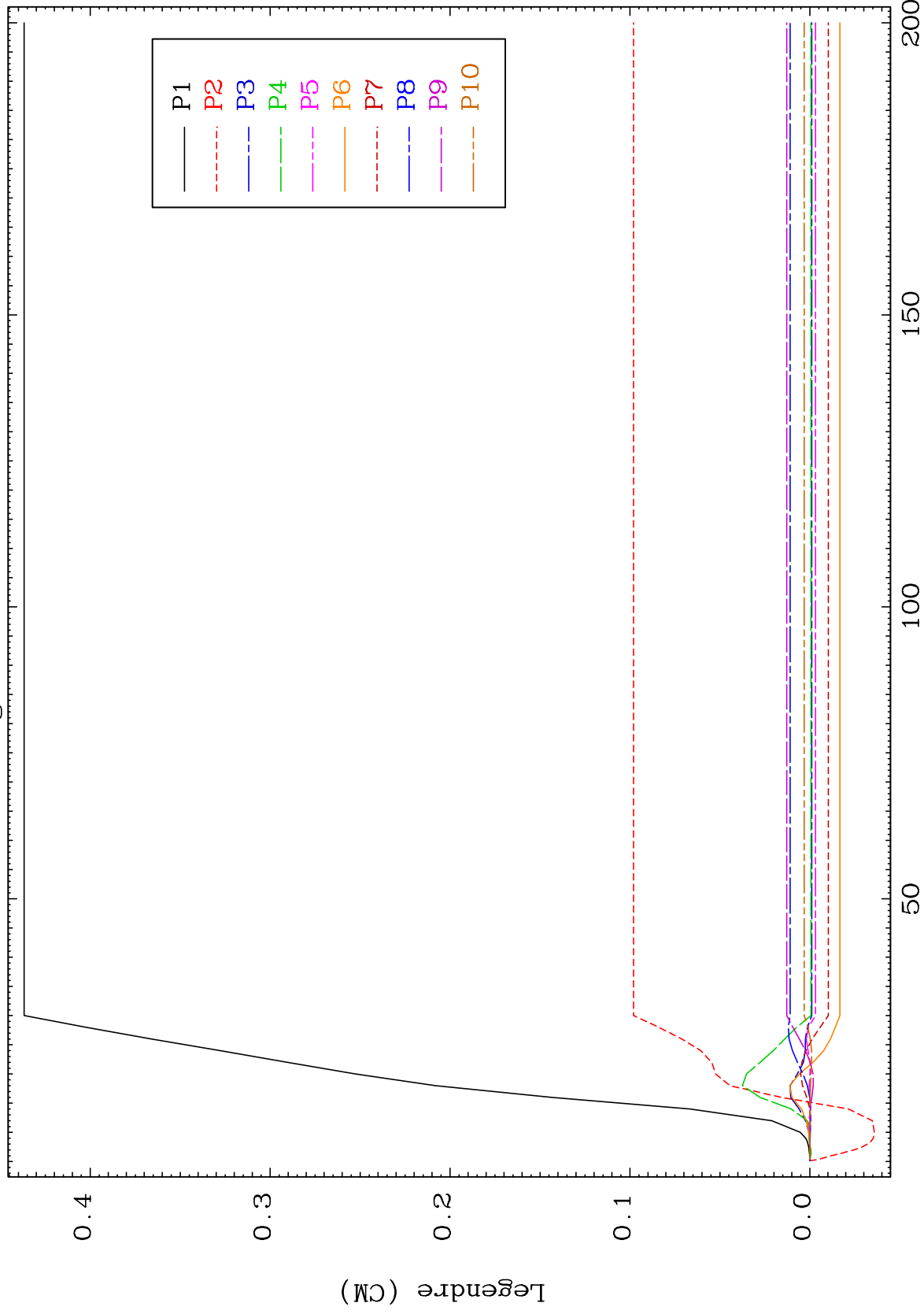




MAT 1649

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

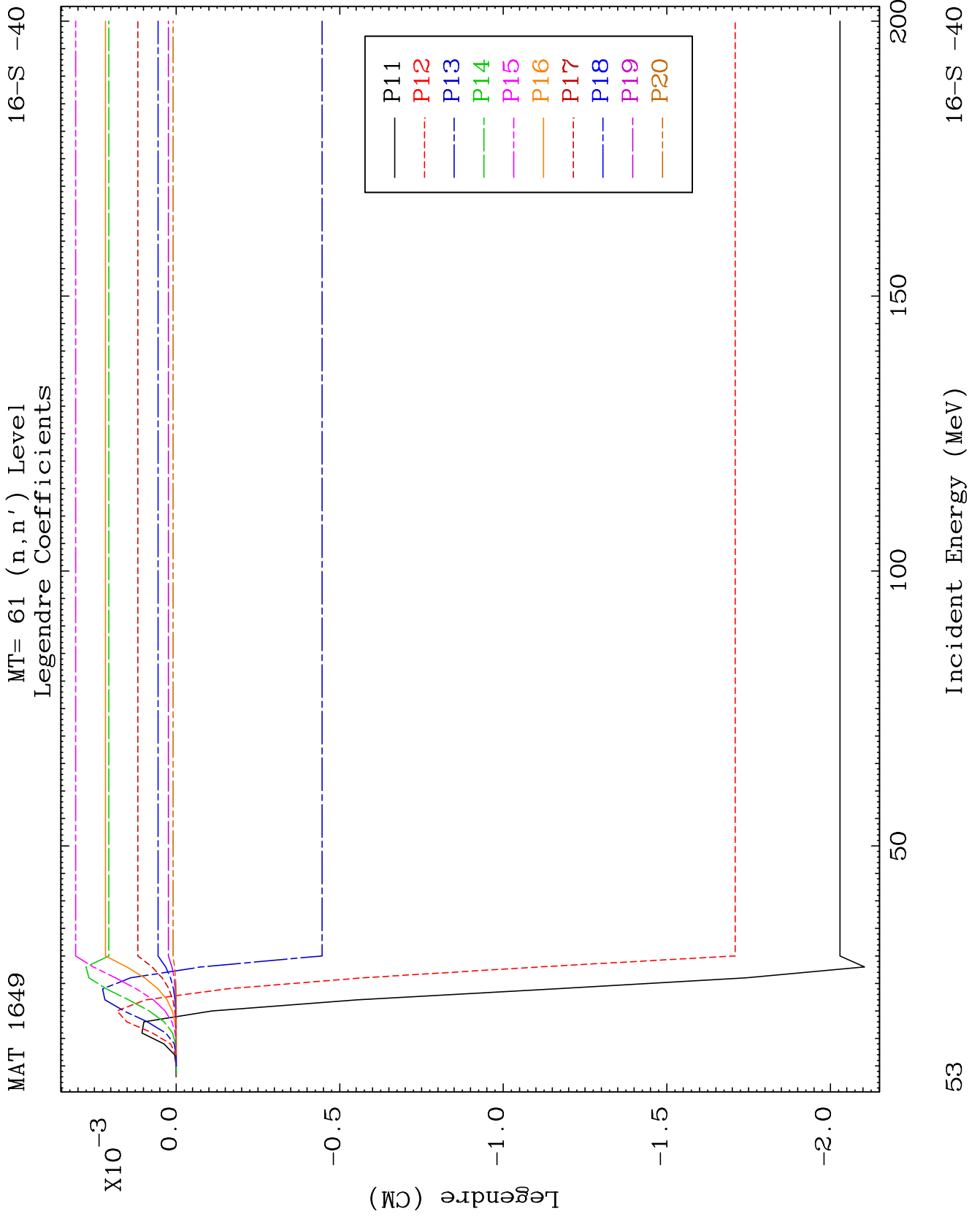
16-S -40

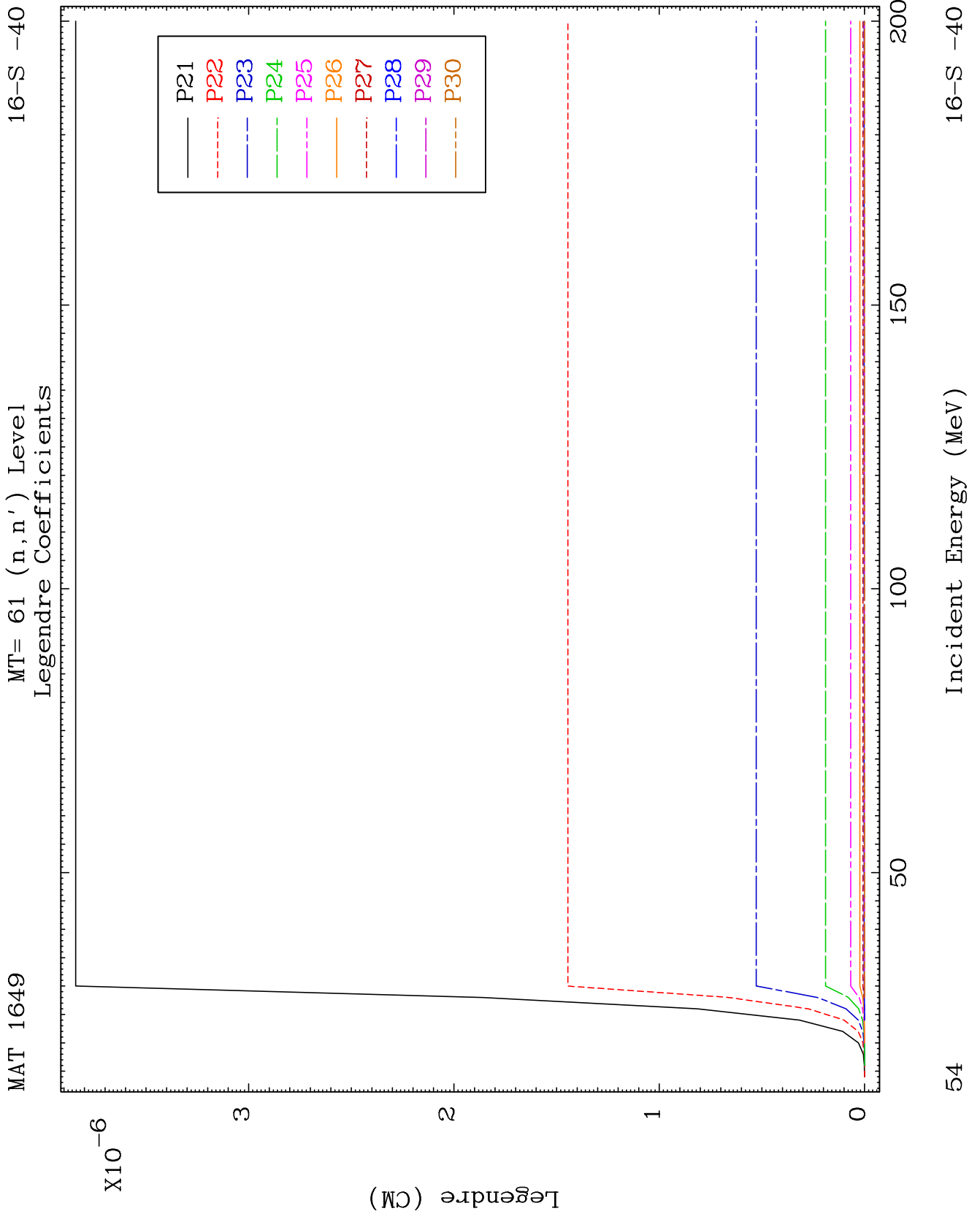


52

Incident Energy (MeV)

16-S -40

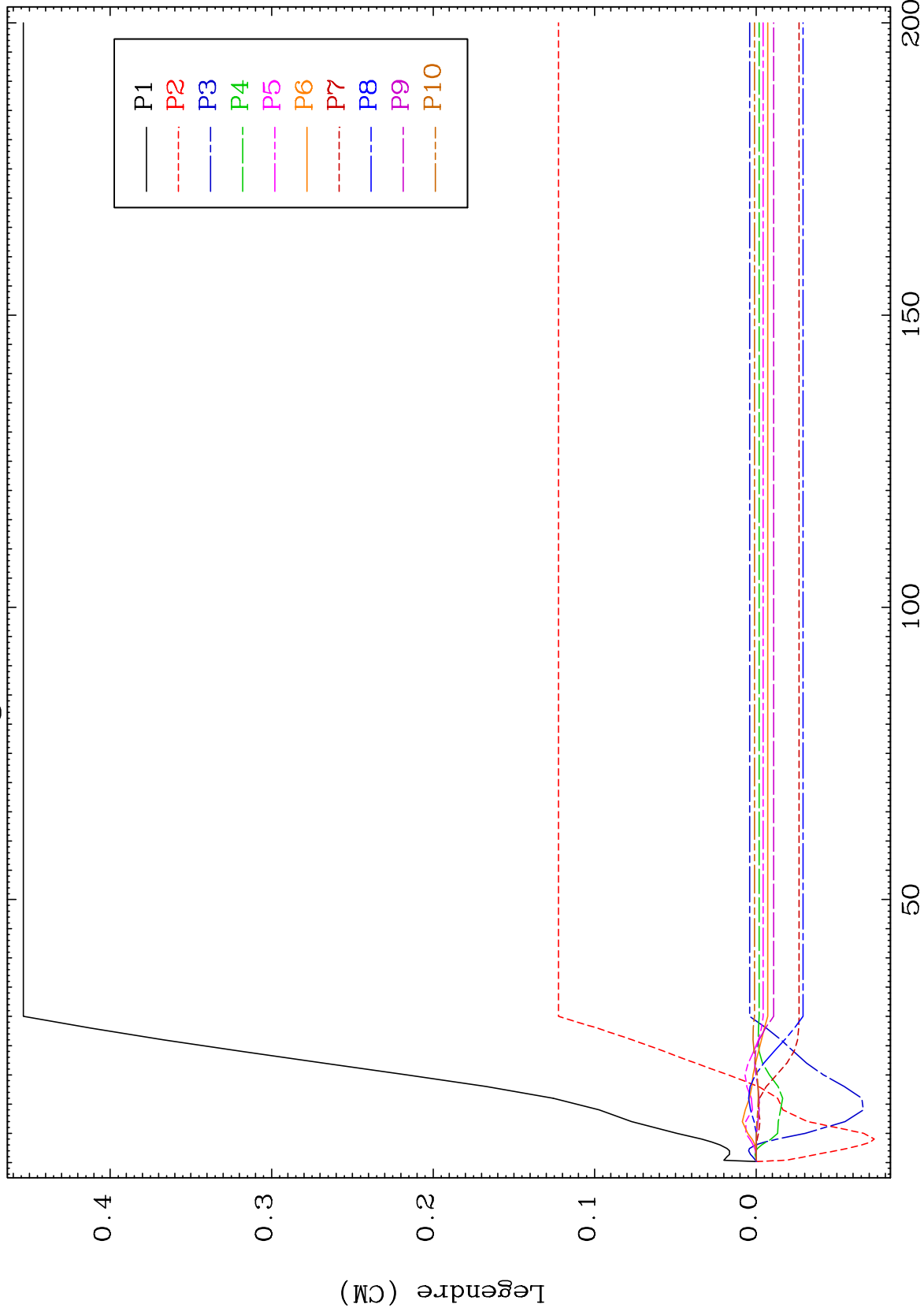




MAT 1649

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

16-S -40



55

Incident Energy (MeV)

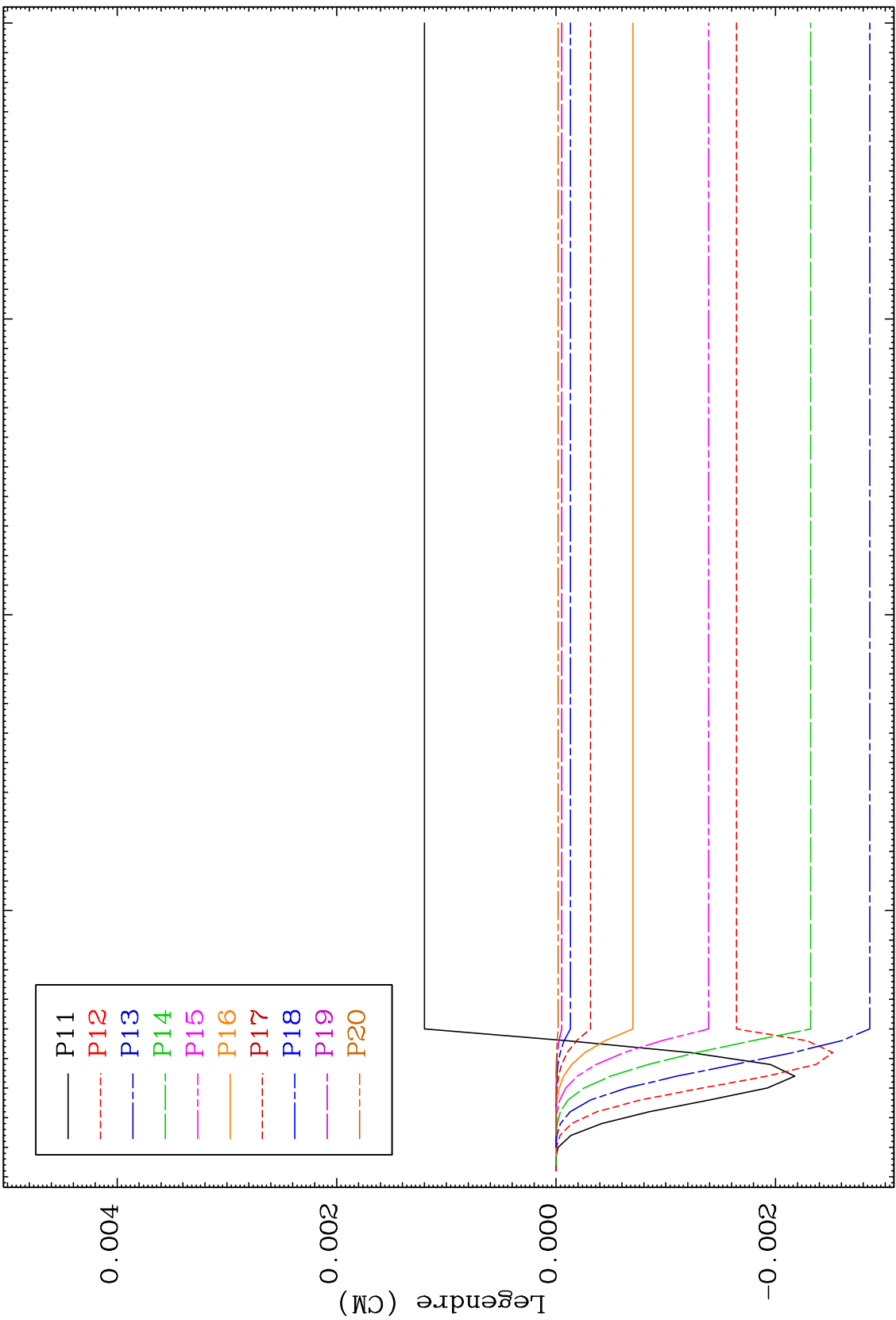
16-S -40



MAT 1649

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

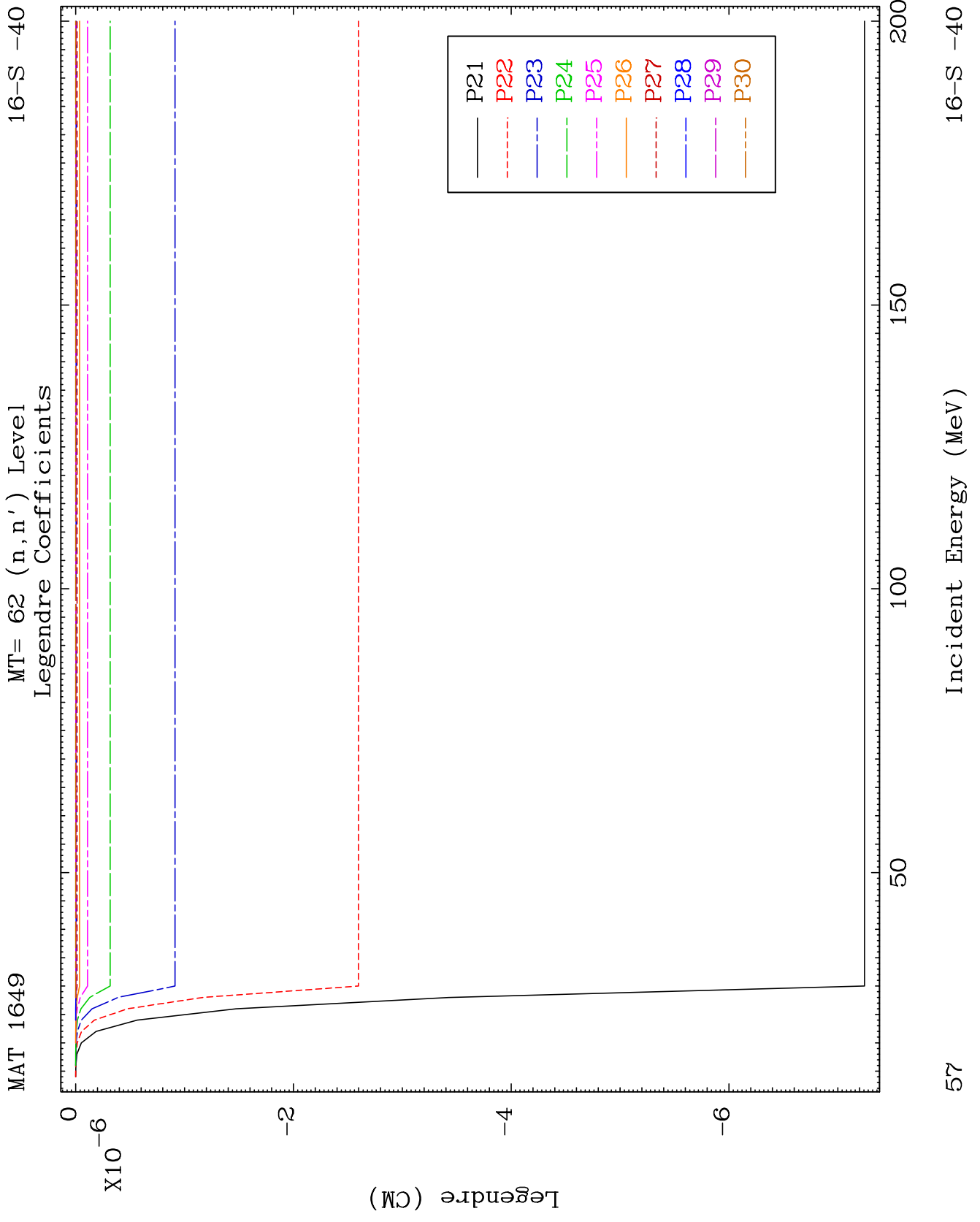
16-S -40

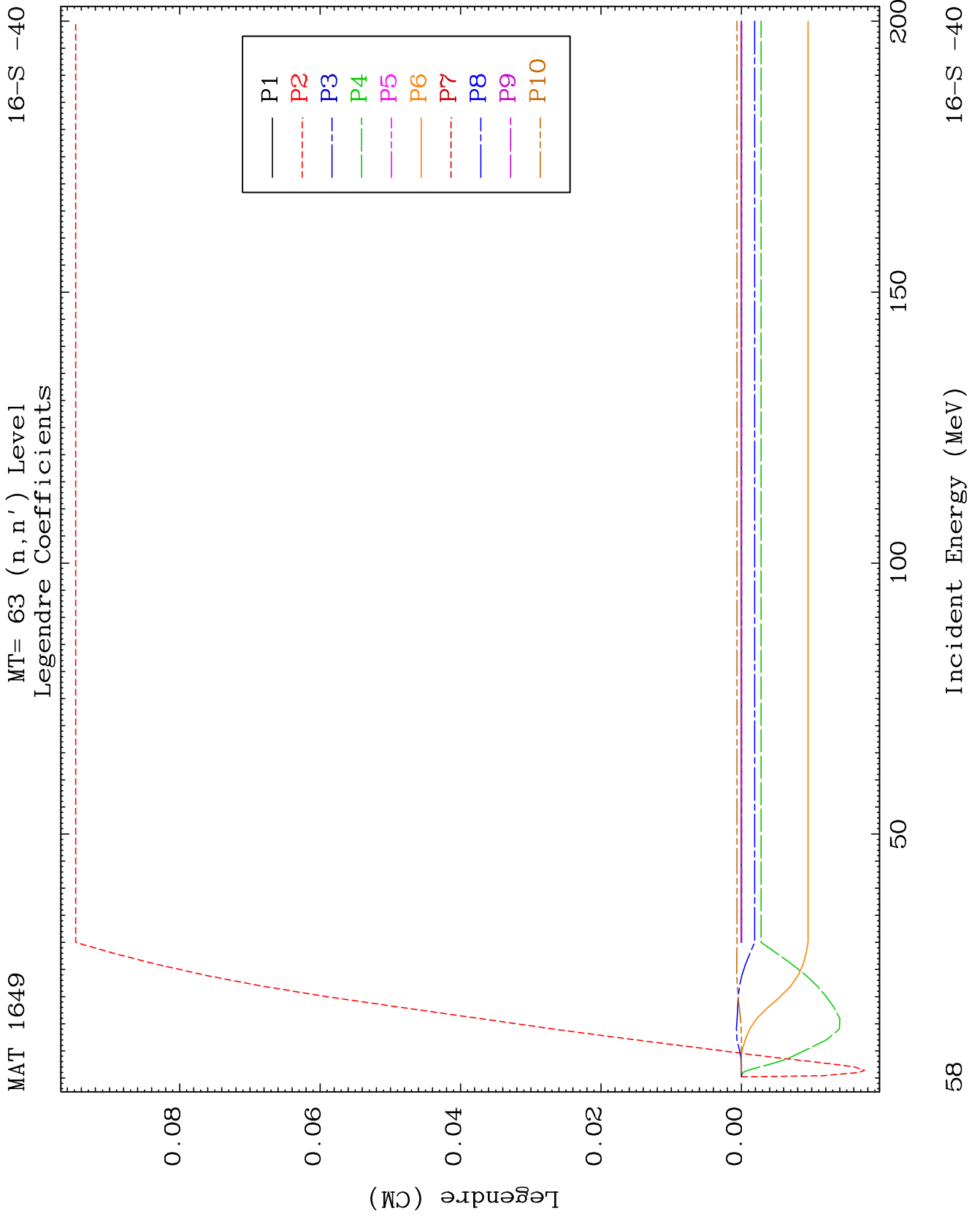


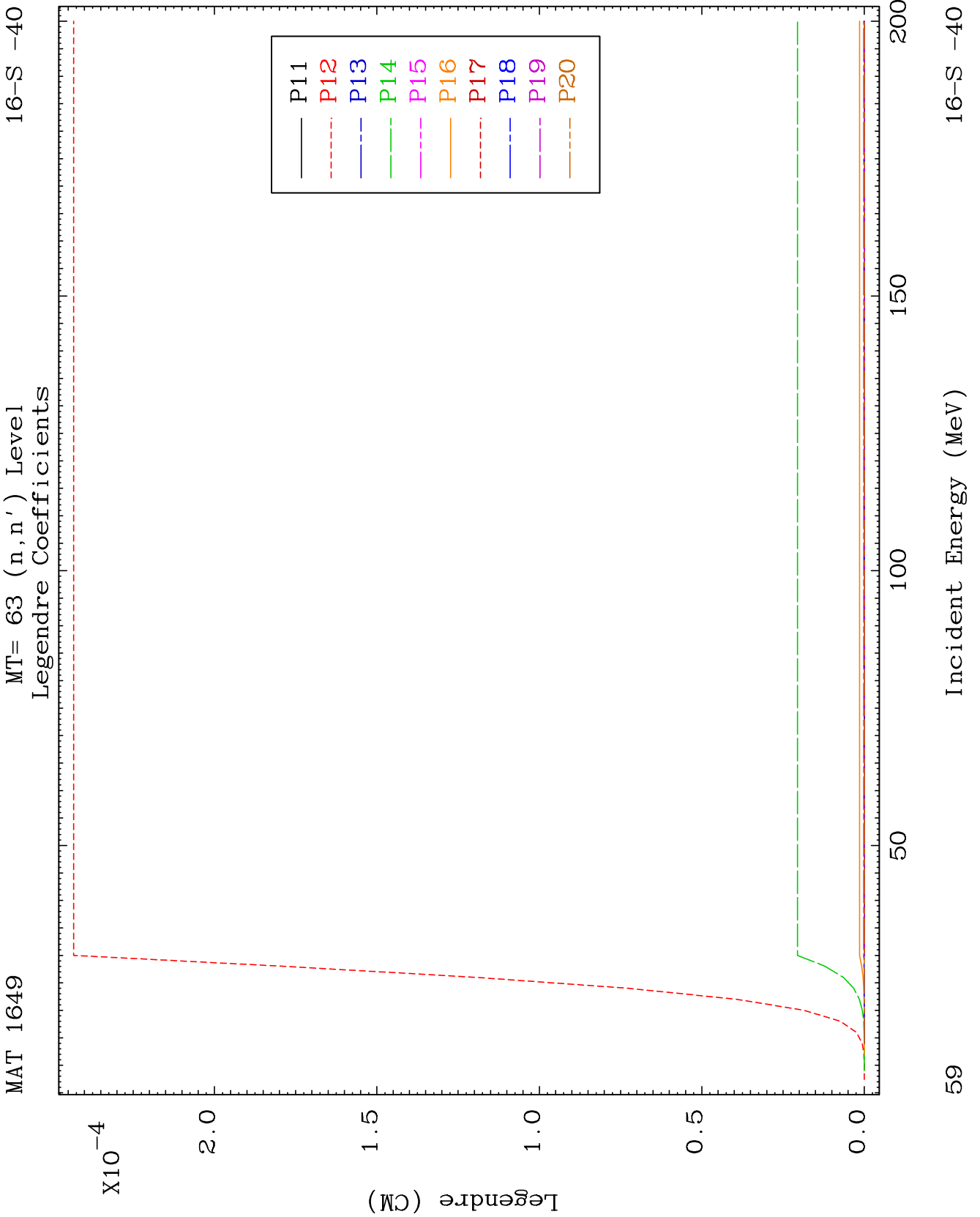
56

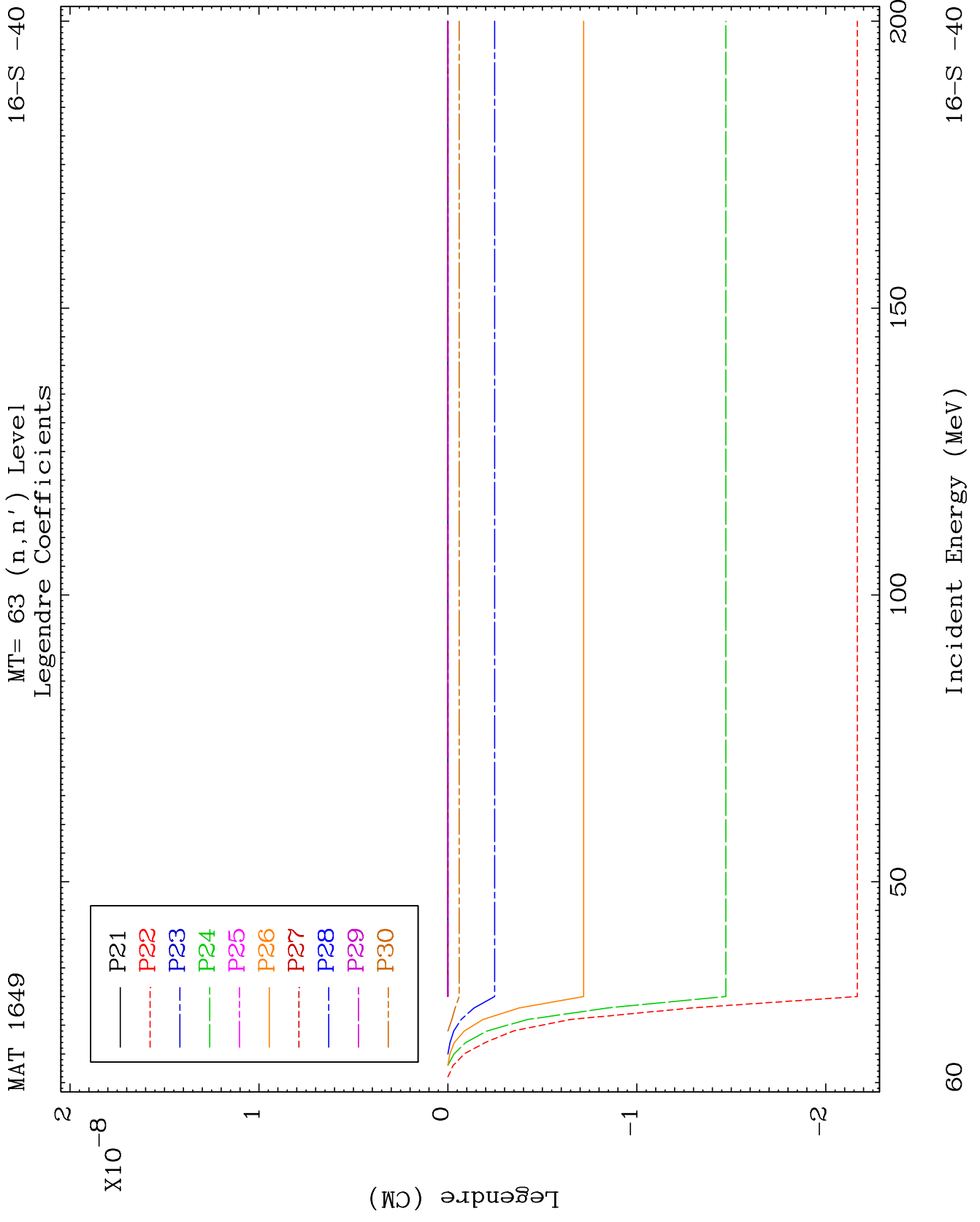
Incident Energy (MeV)

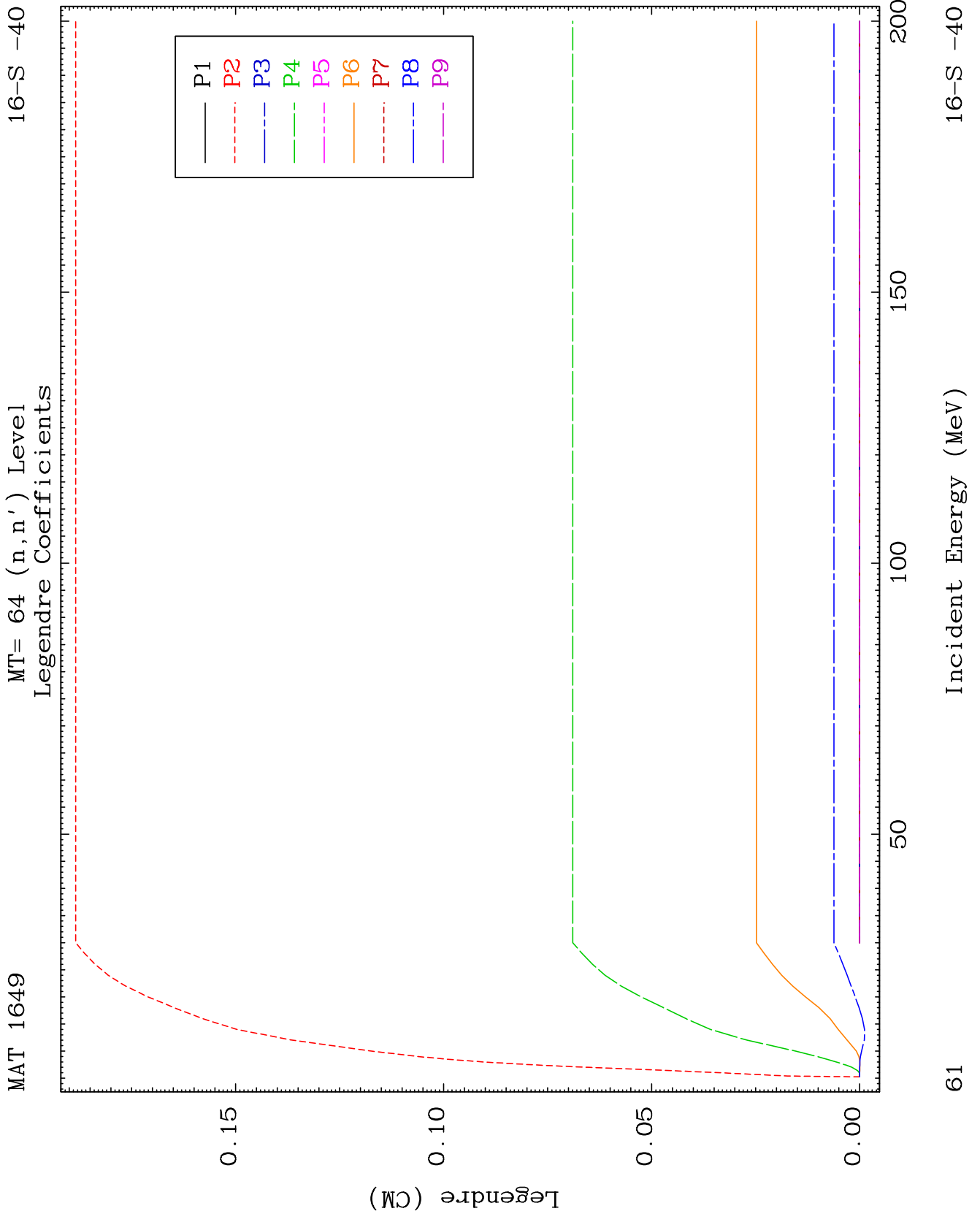
16-S -40

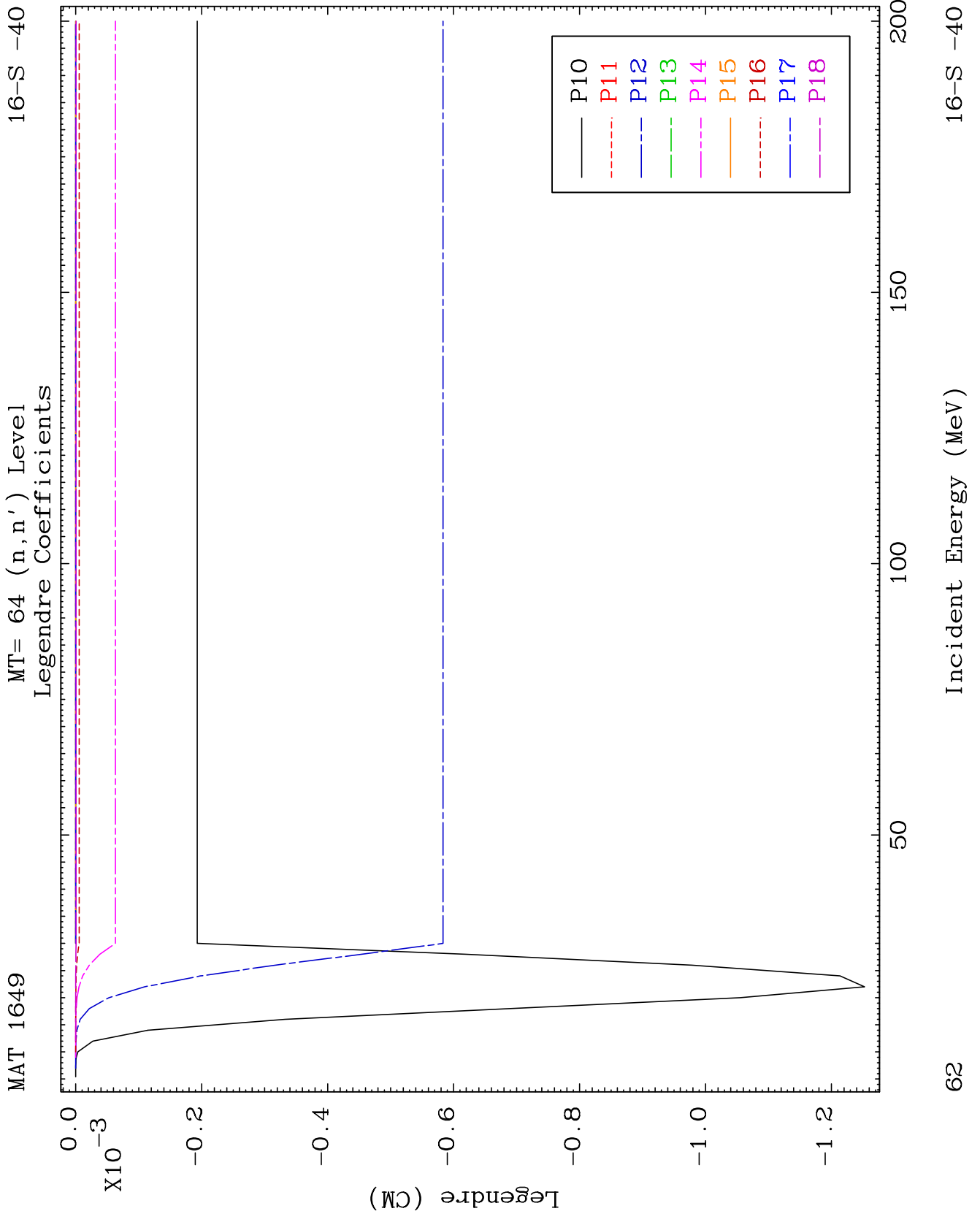


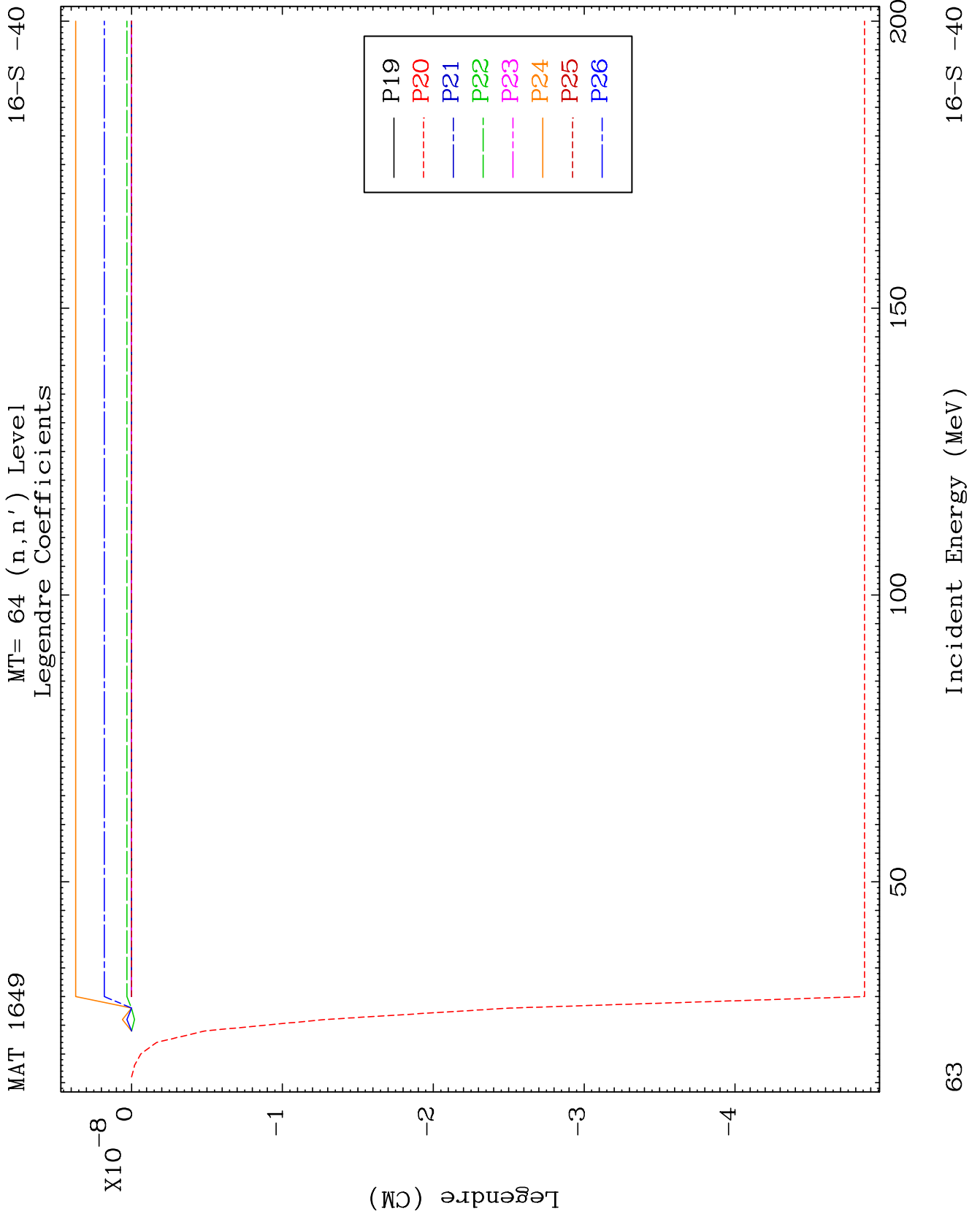




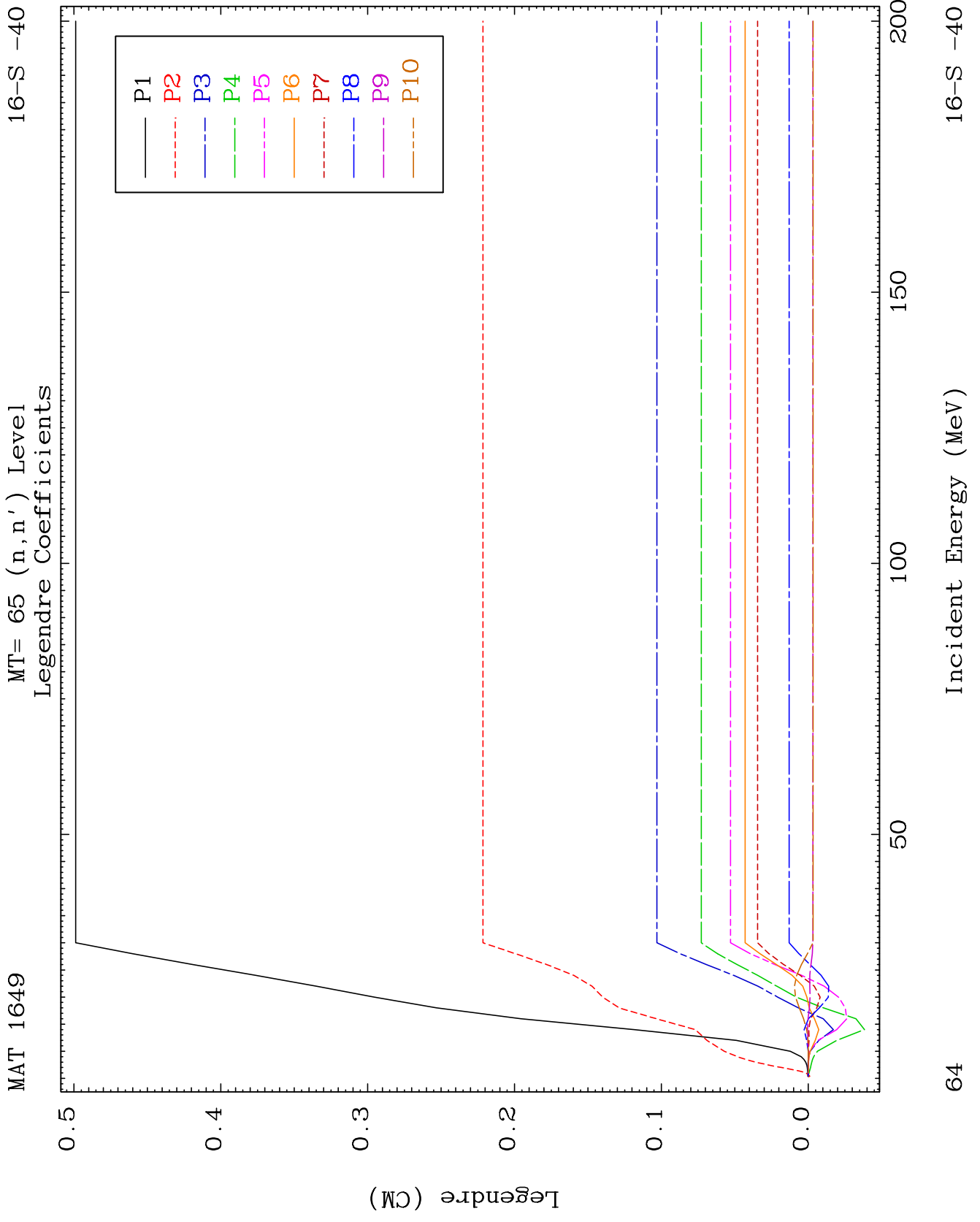


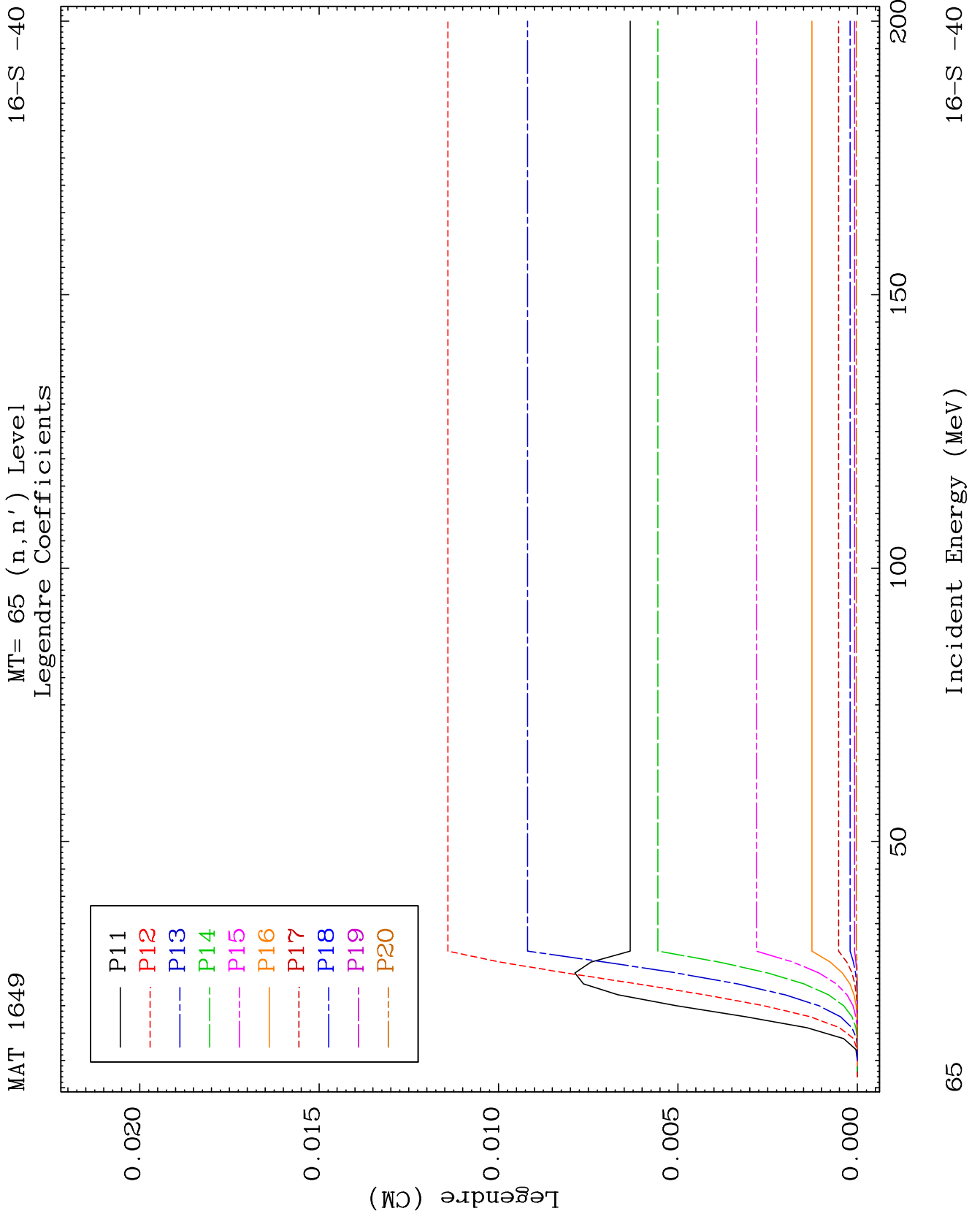


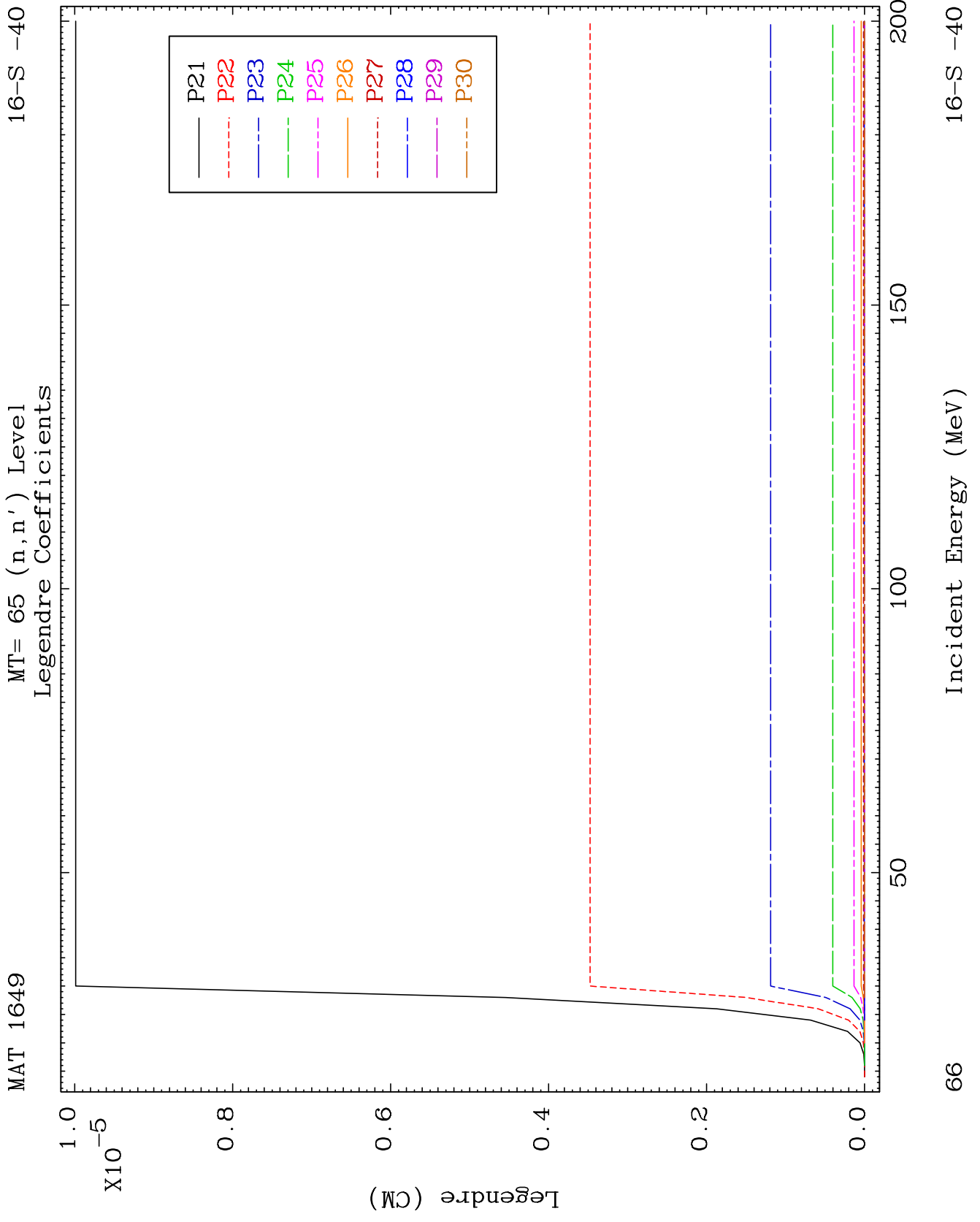








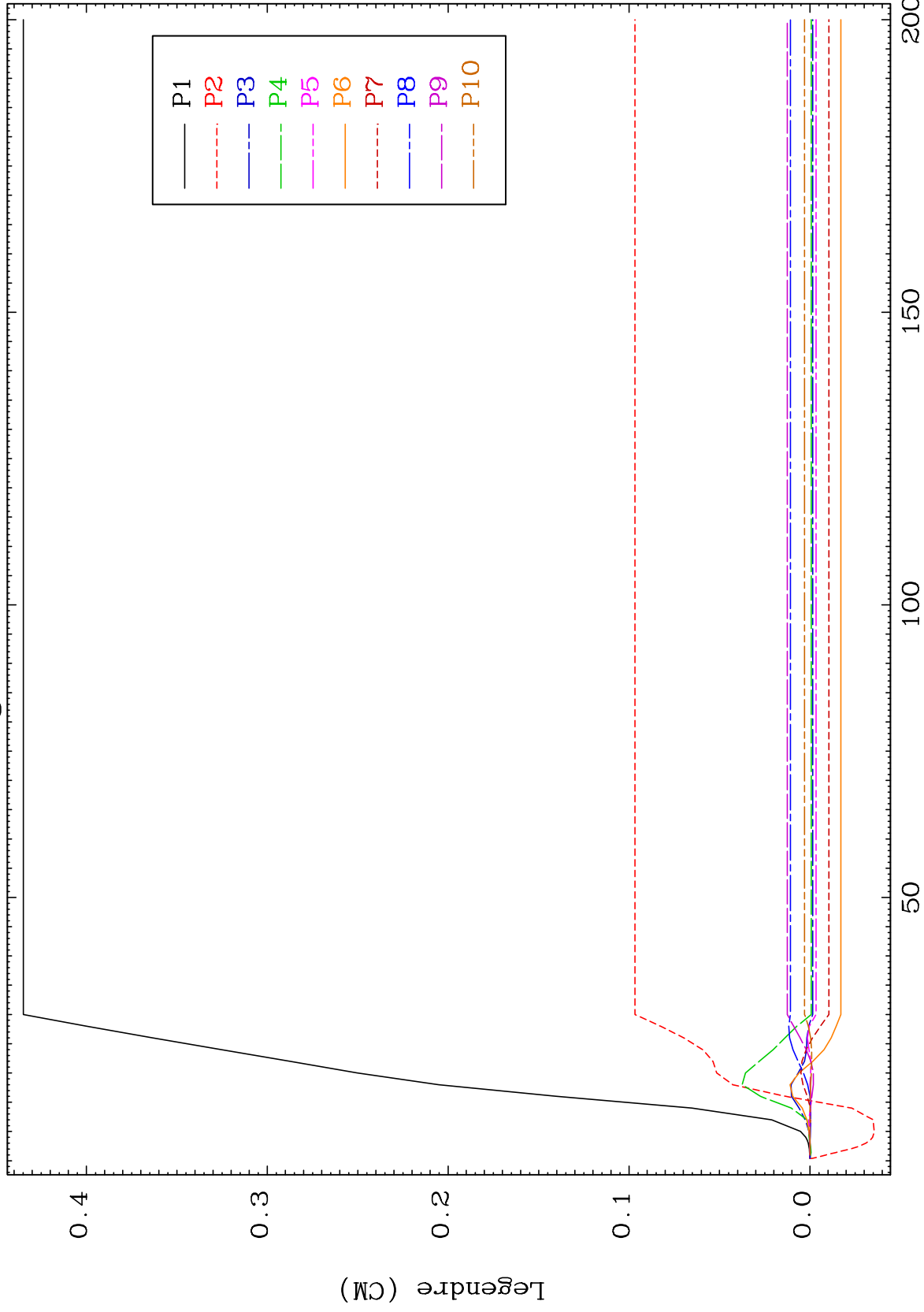




MAT 1649

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

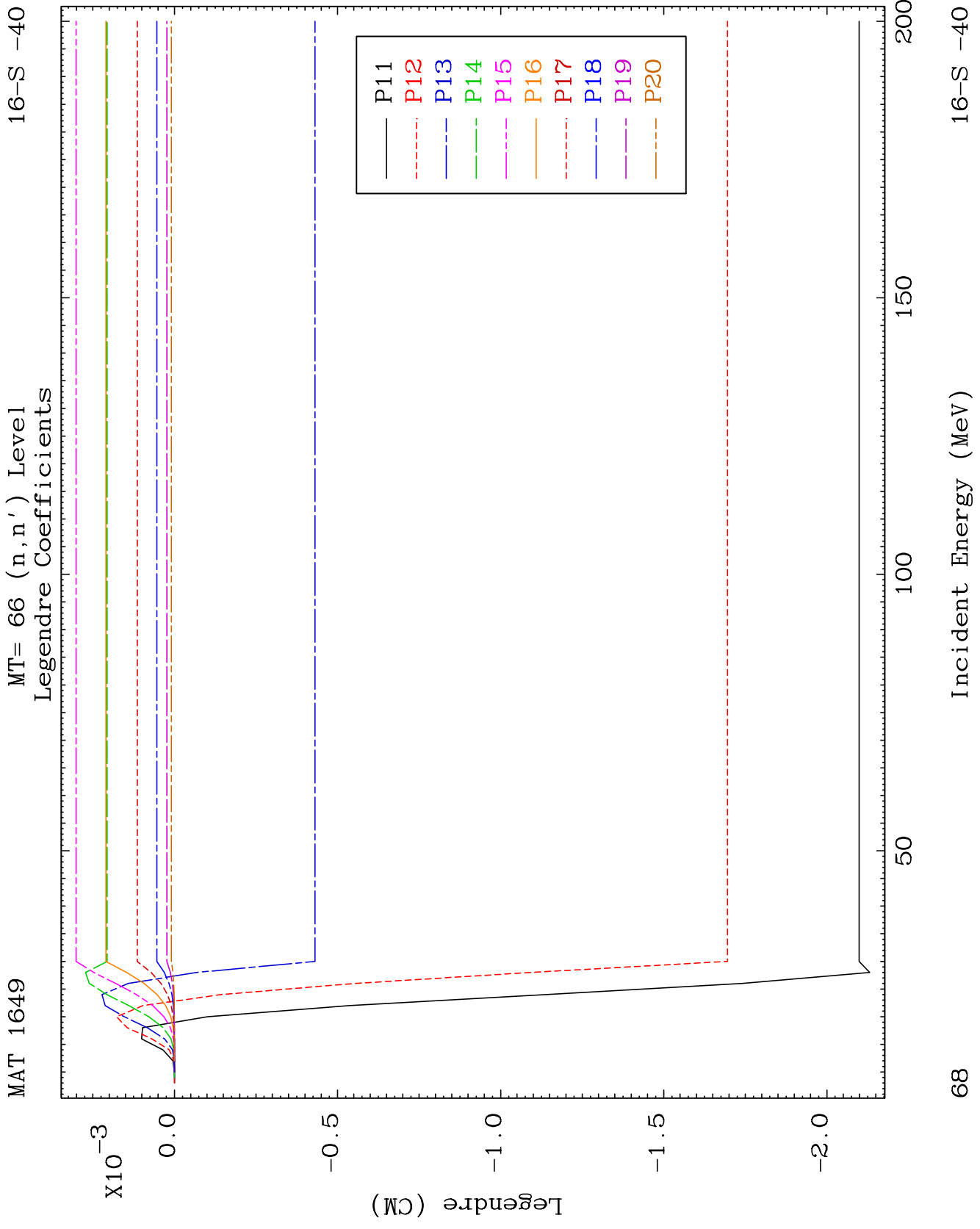
16-S -40



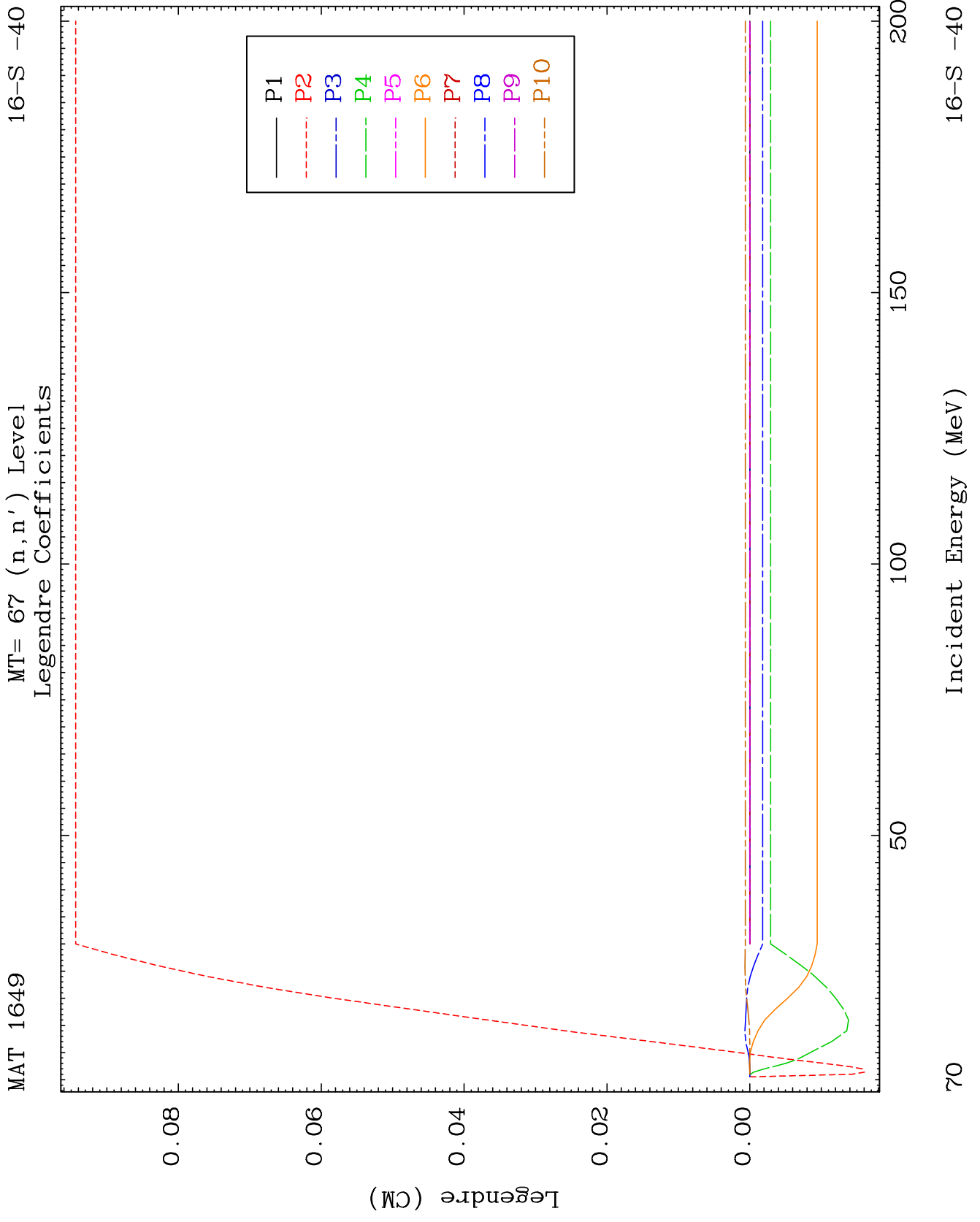
67

Incident Energy (MeV)

16-S -40







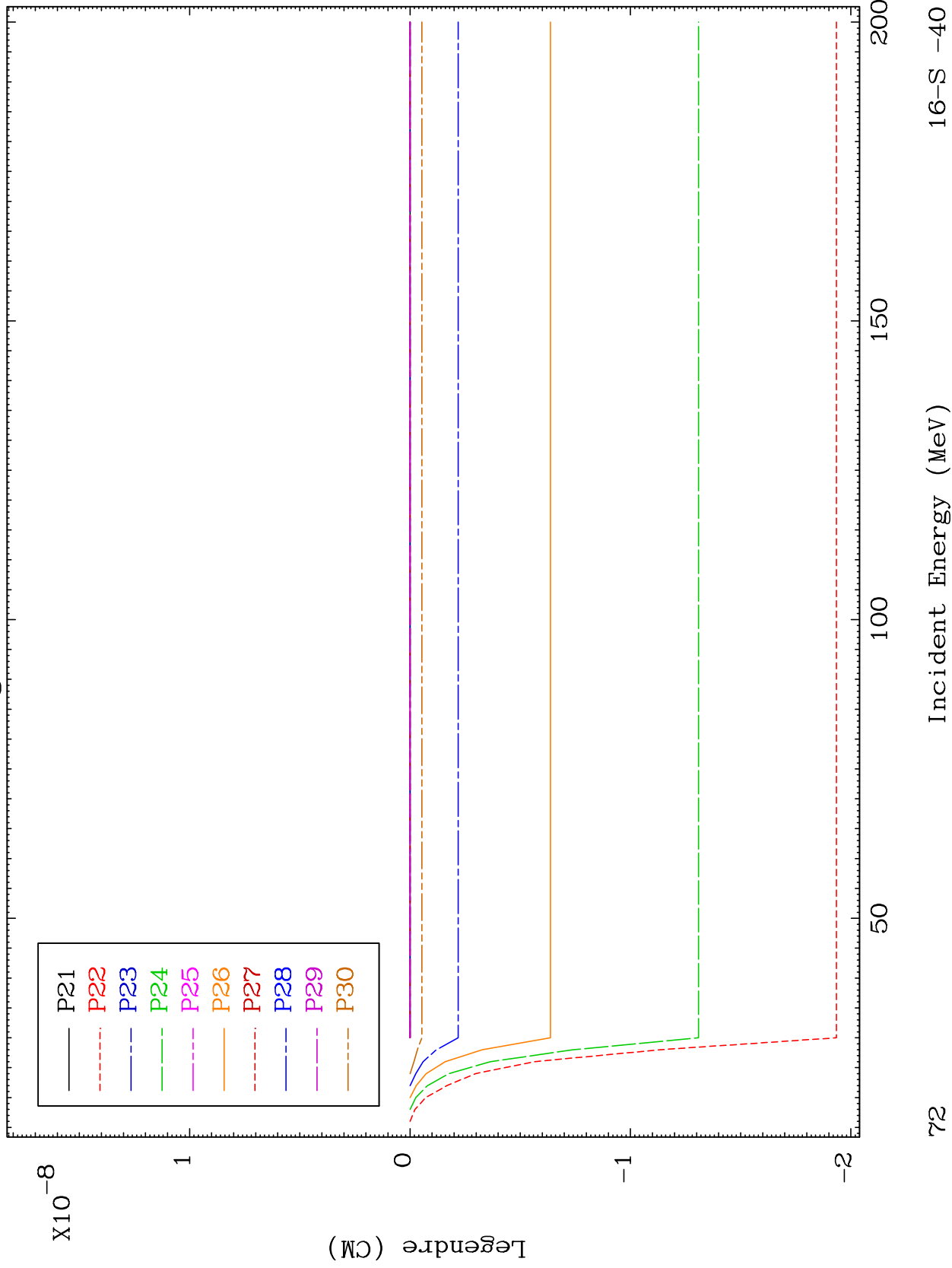


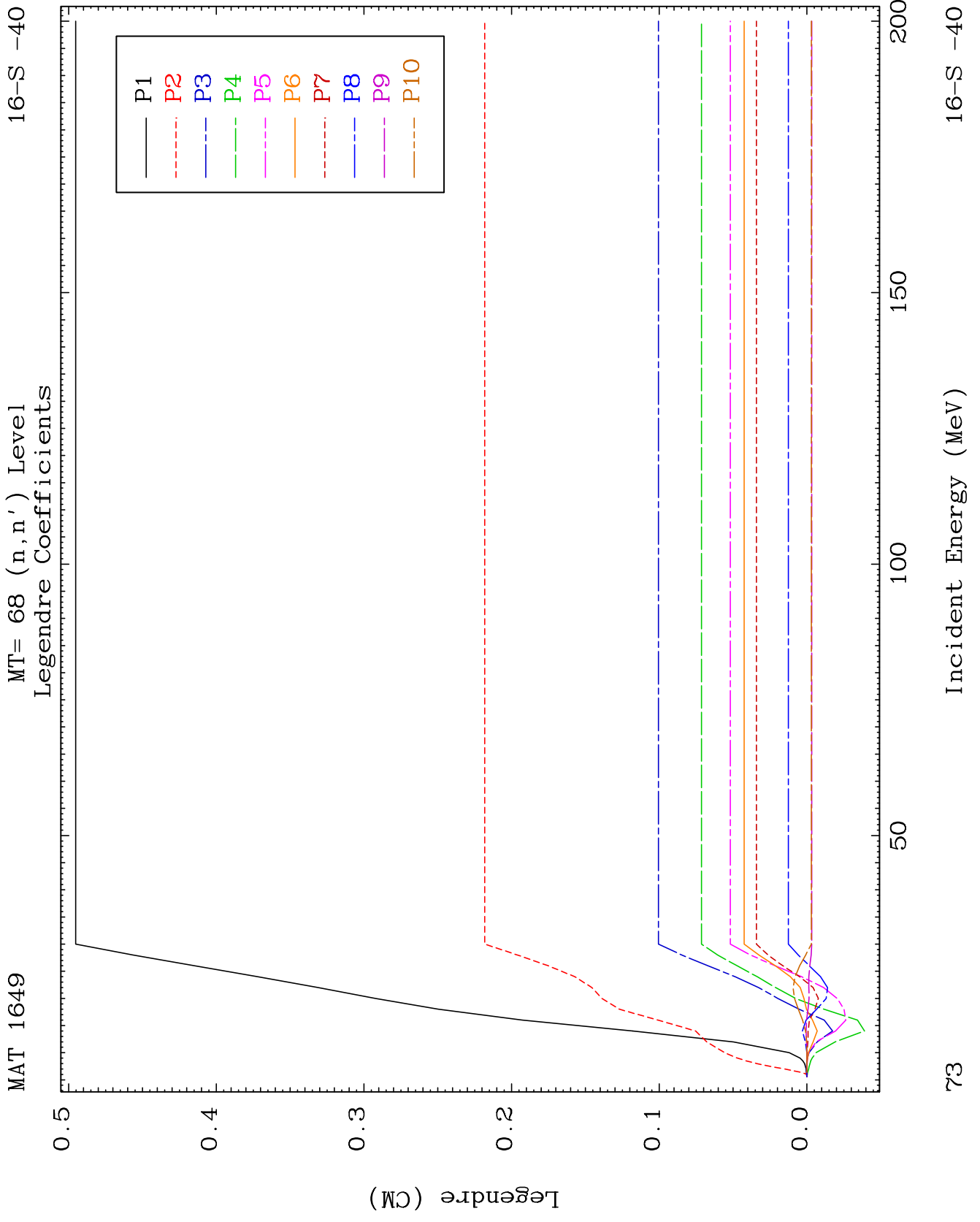


MAT 1649

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

16-S -40

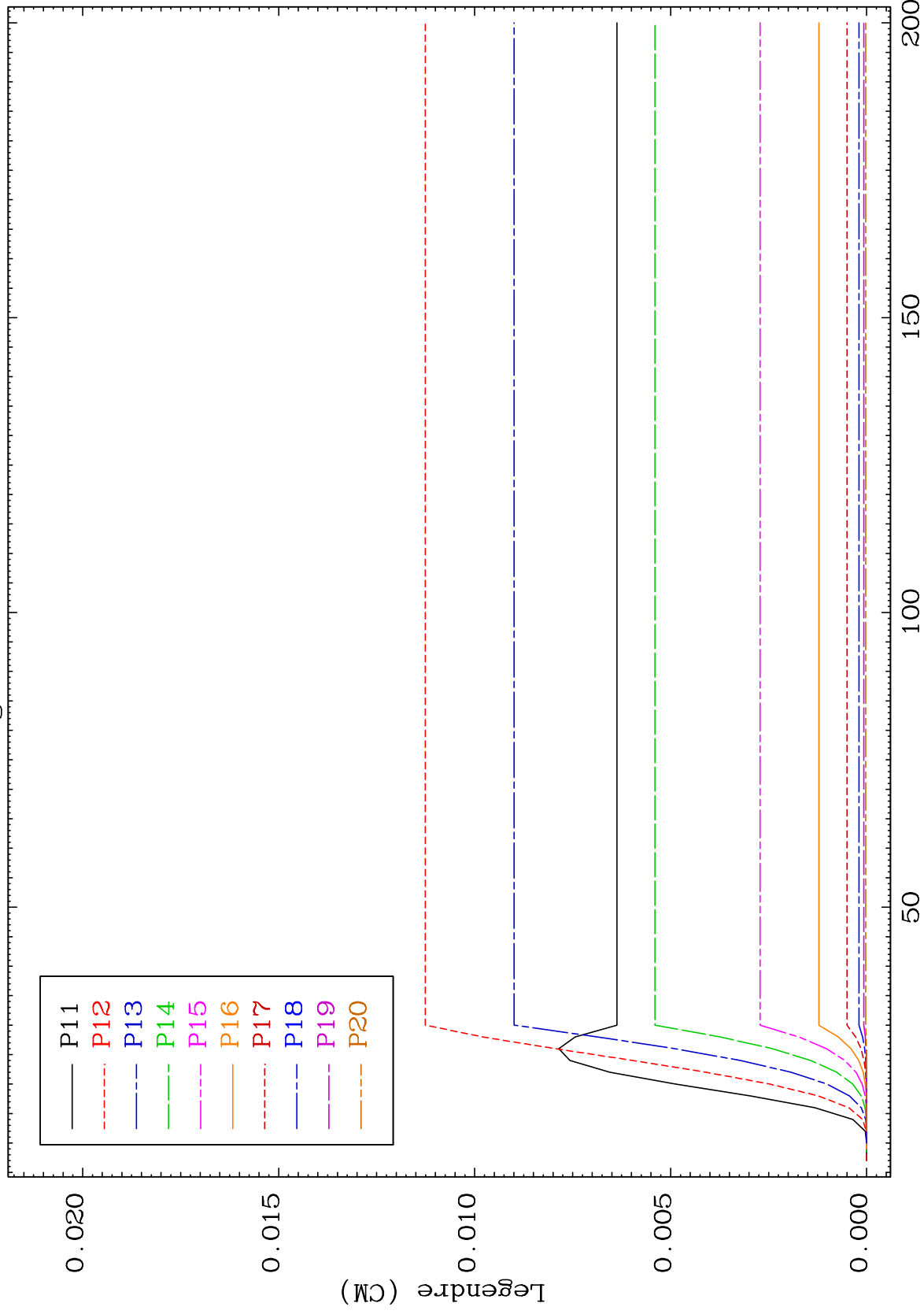




MAT 1649

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

16-S -40



74

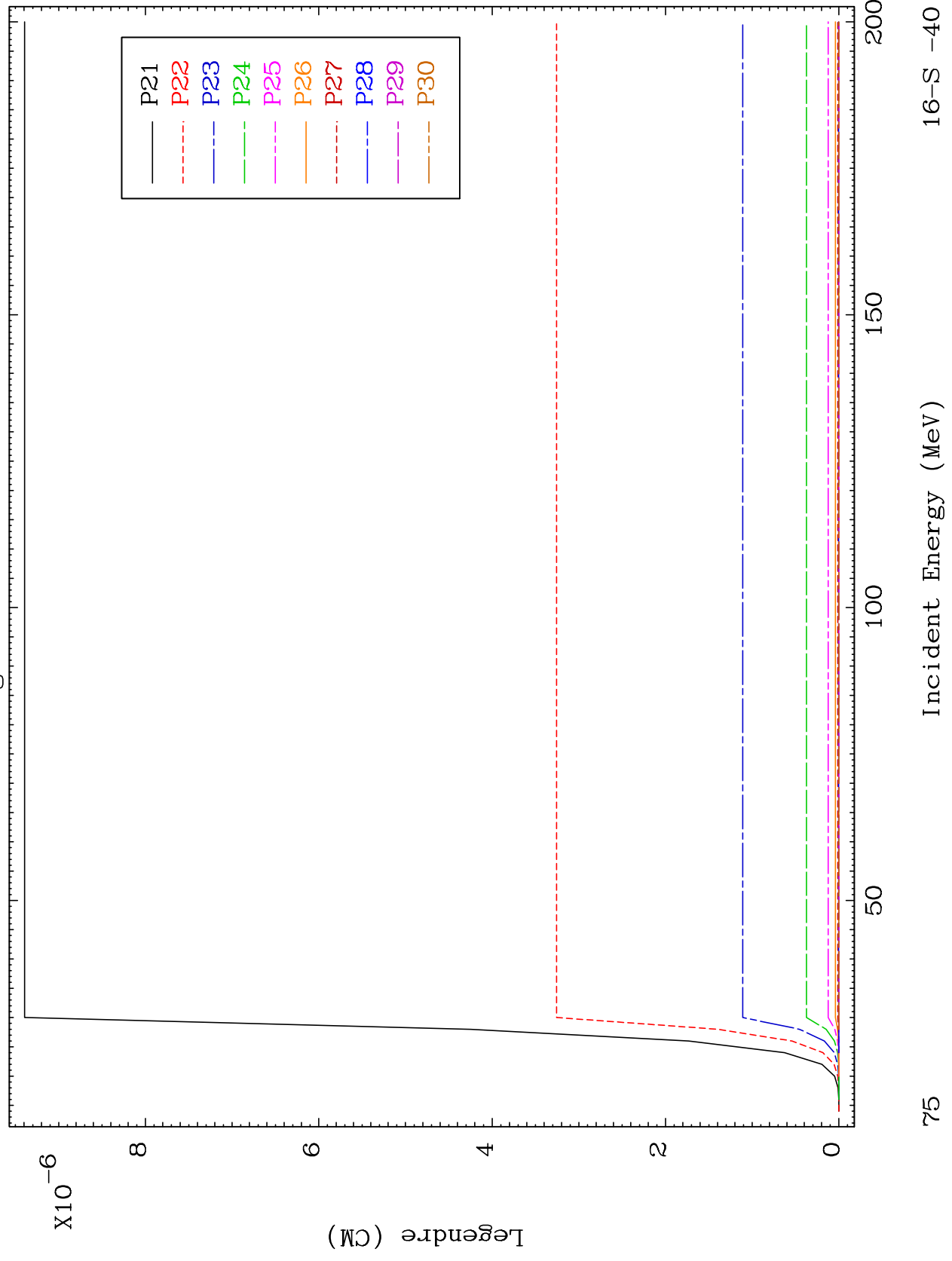
Incident Energy (MeV)

16-S -40

MAT 1649

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

16-S -40

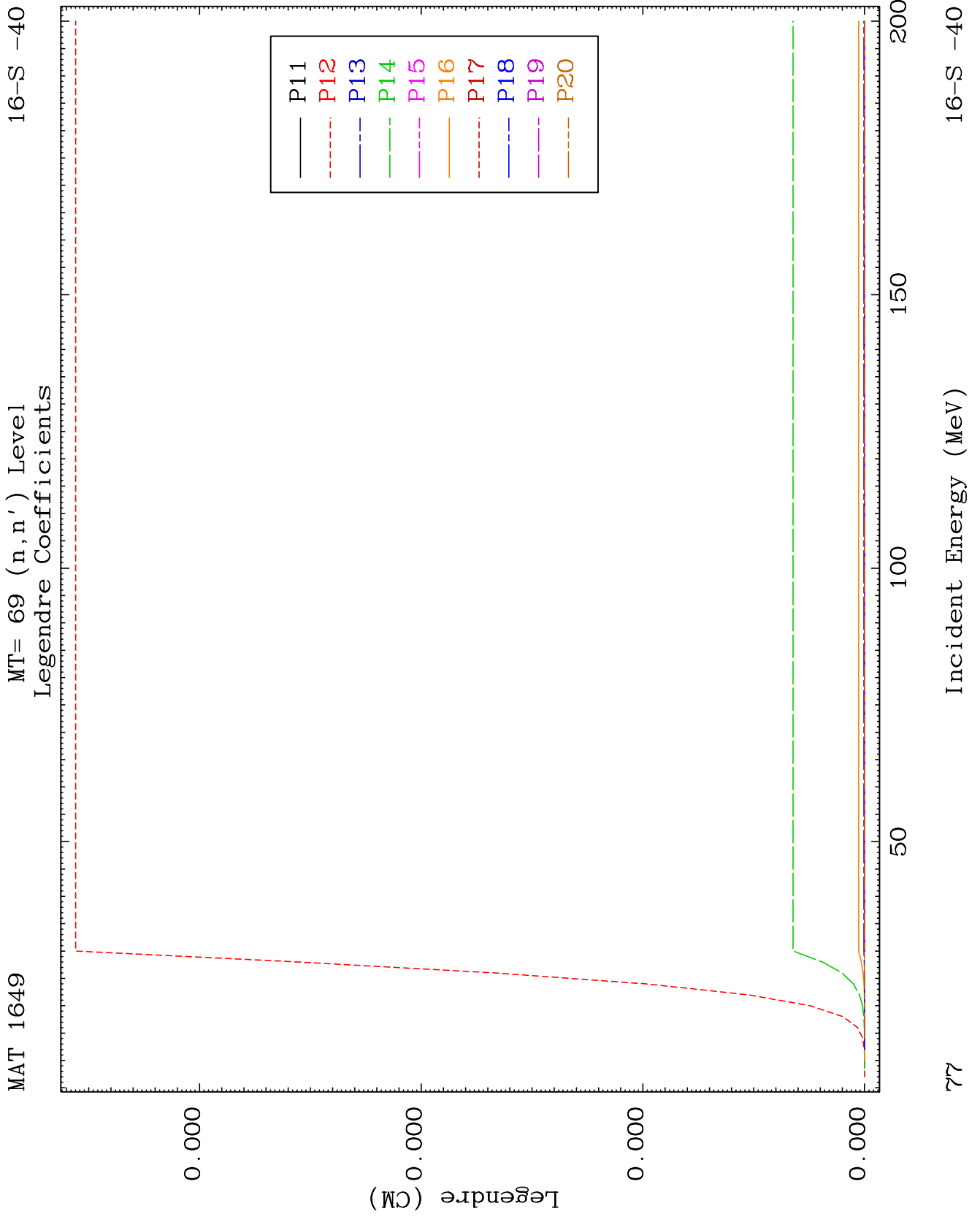


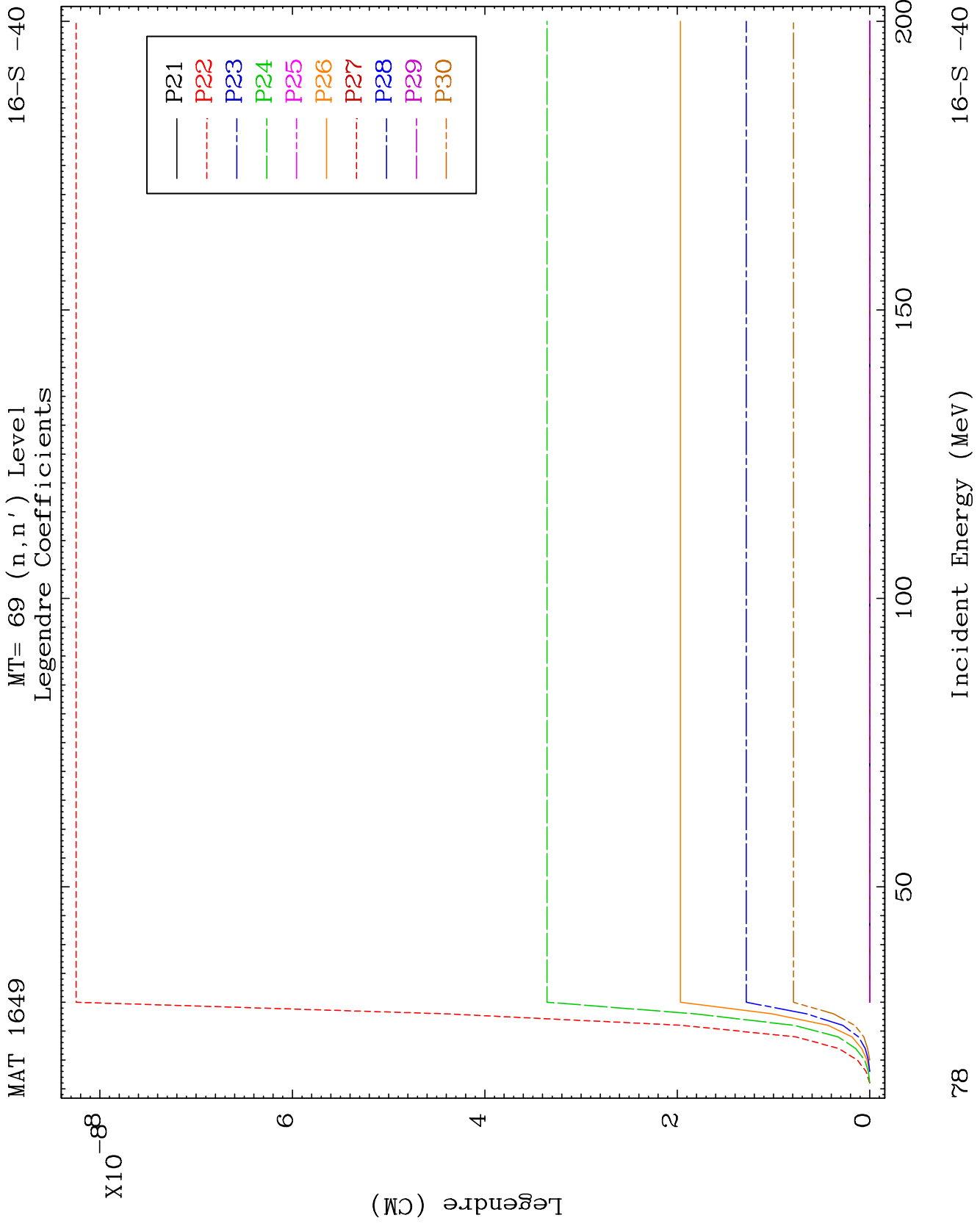
75

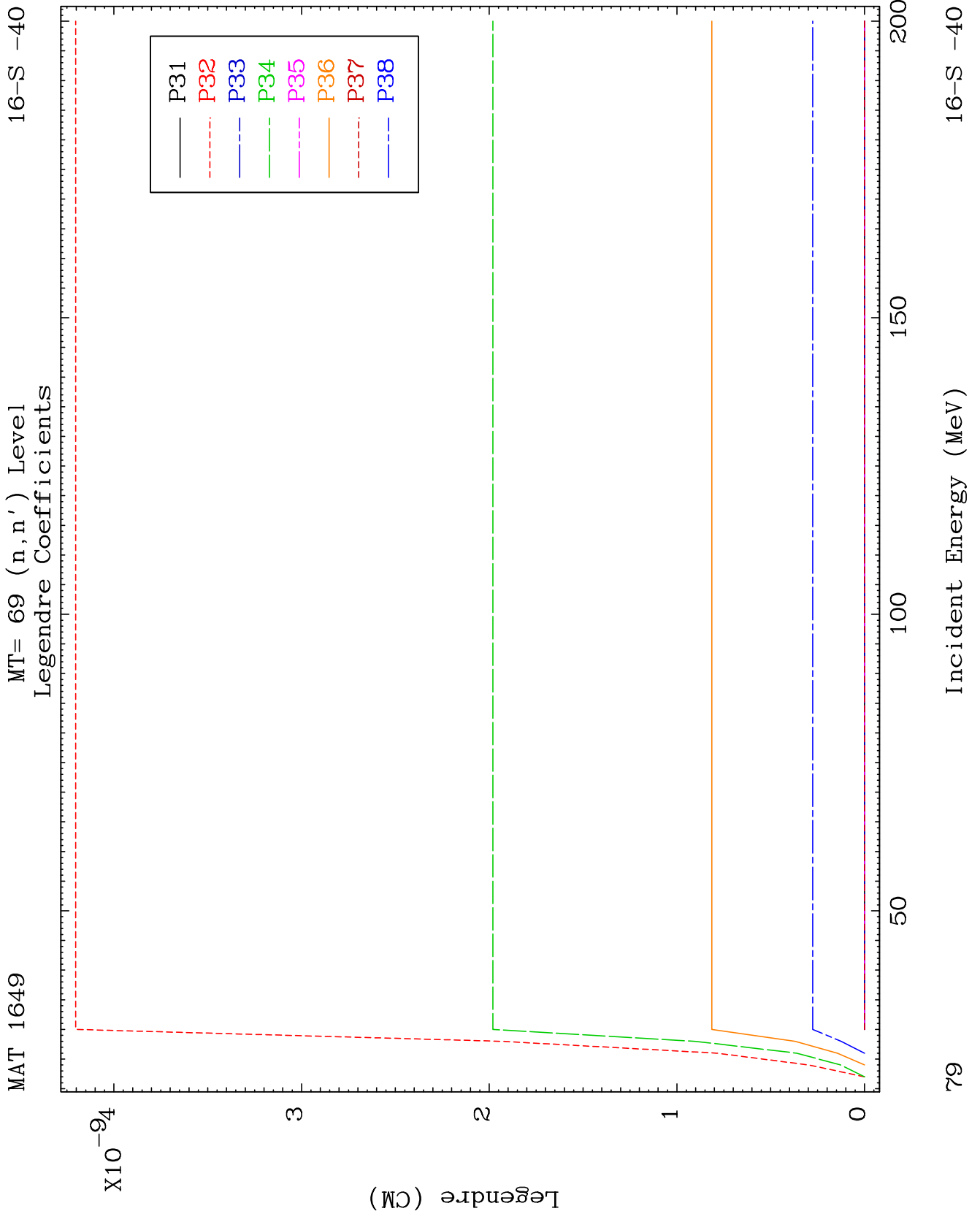
Incident Energy (MeV)

16-S -40

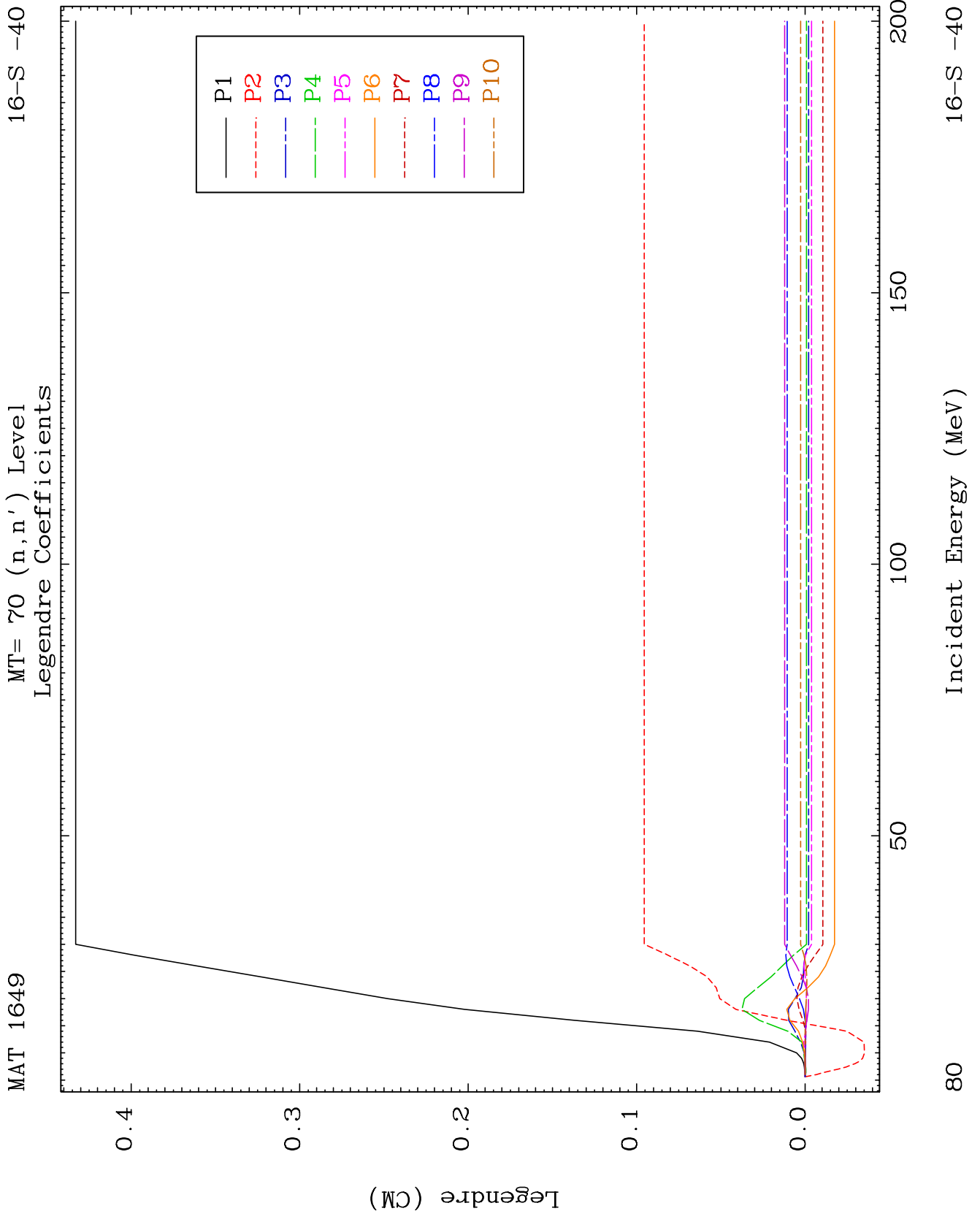


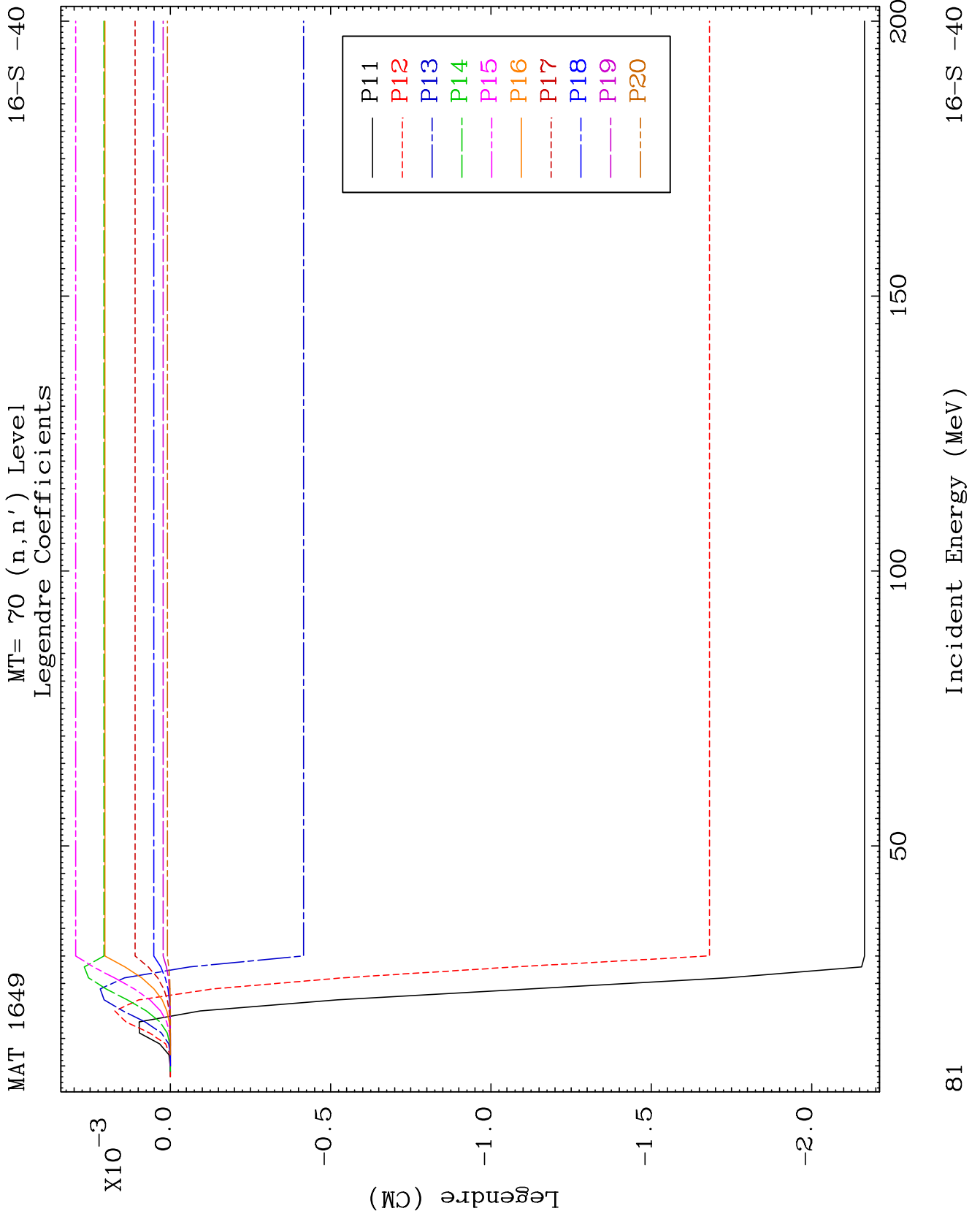








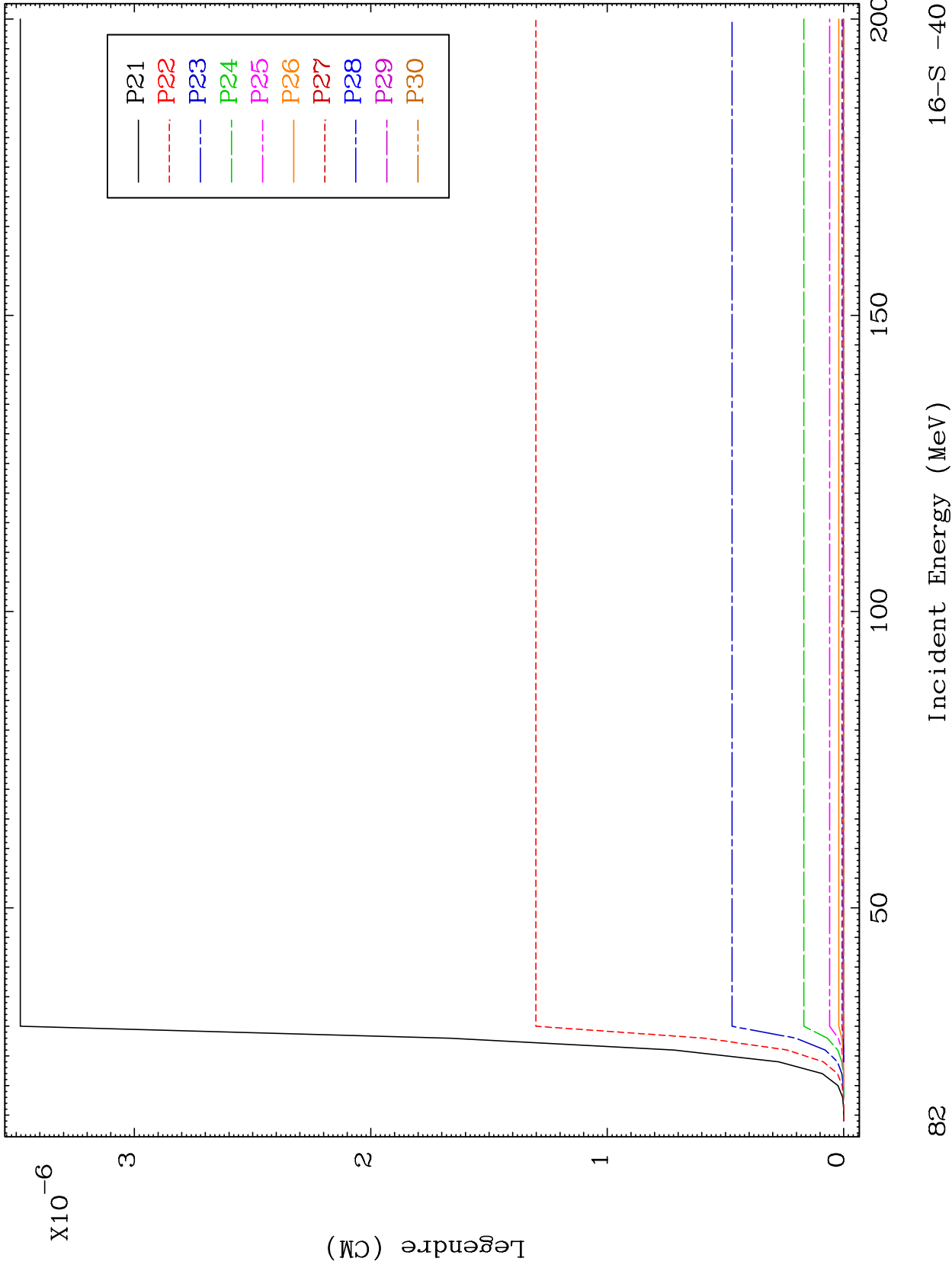


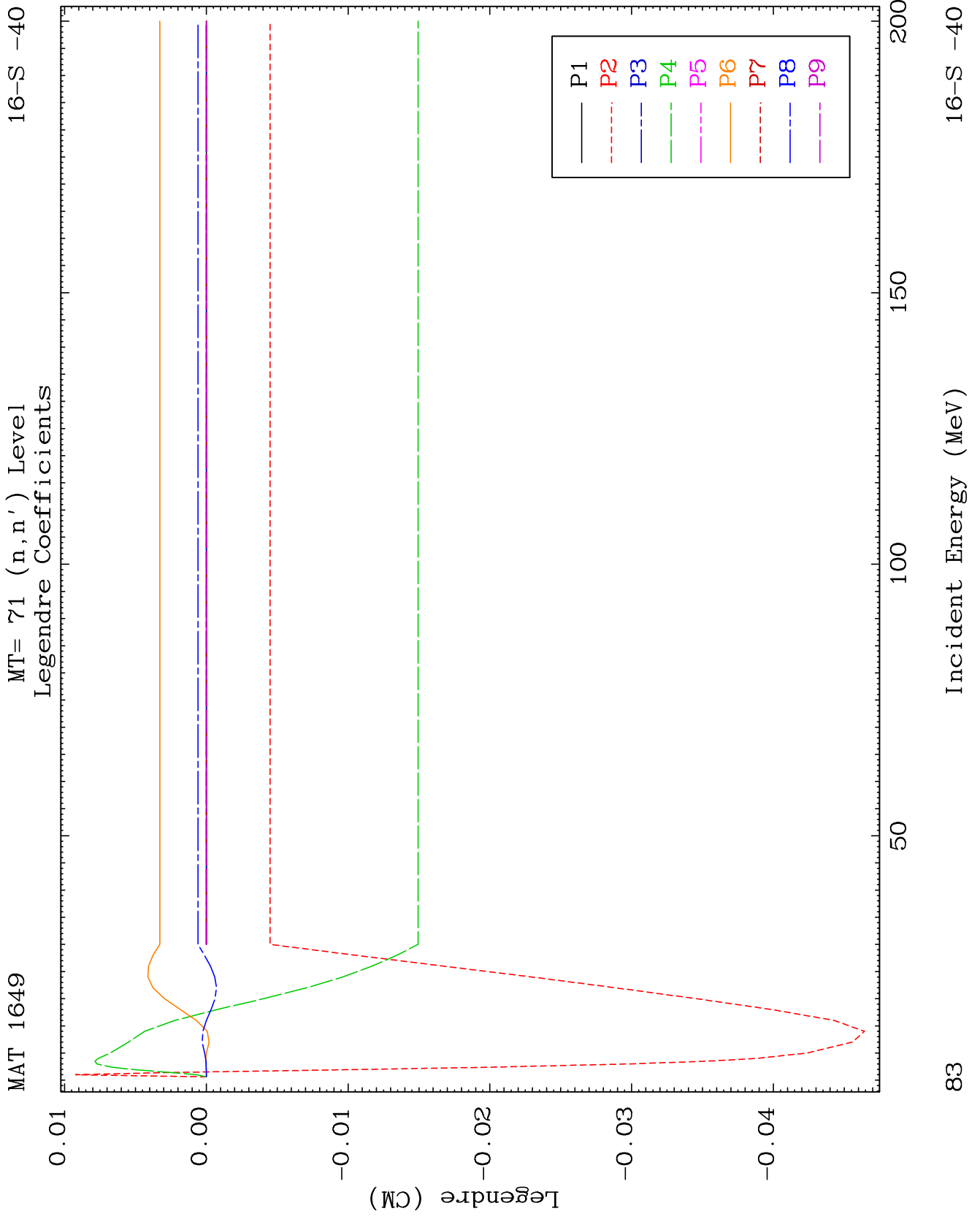


MAT 1649

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

16-S -40

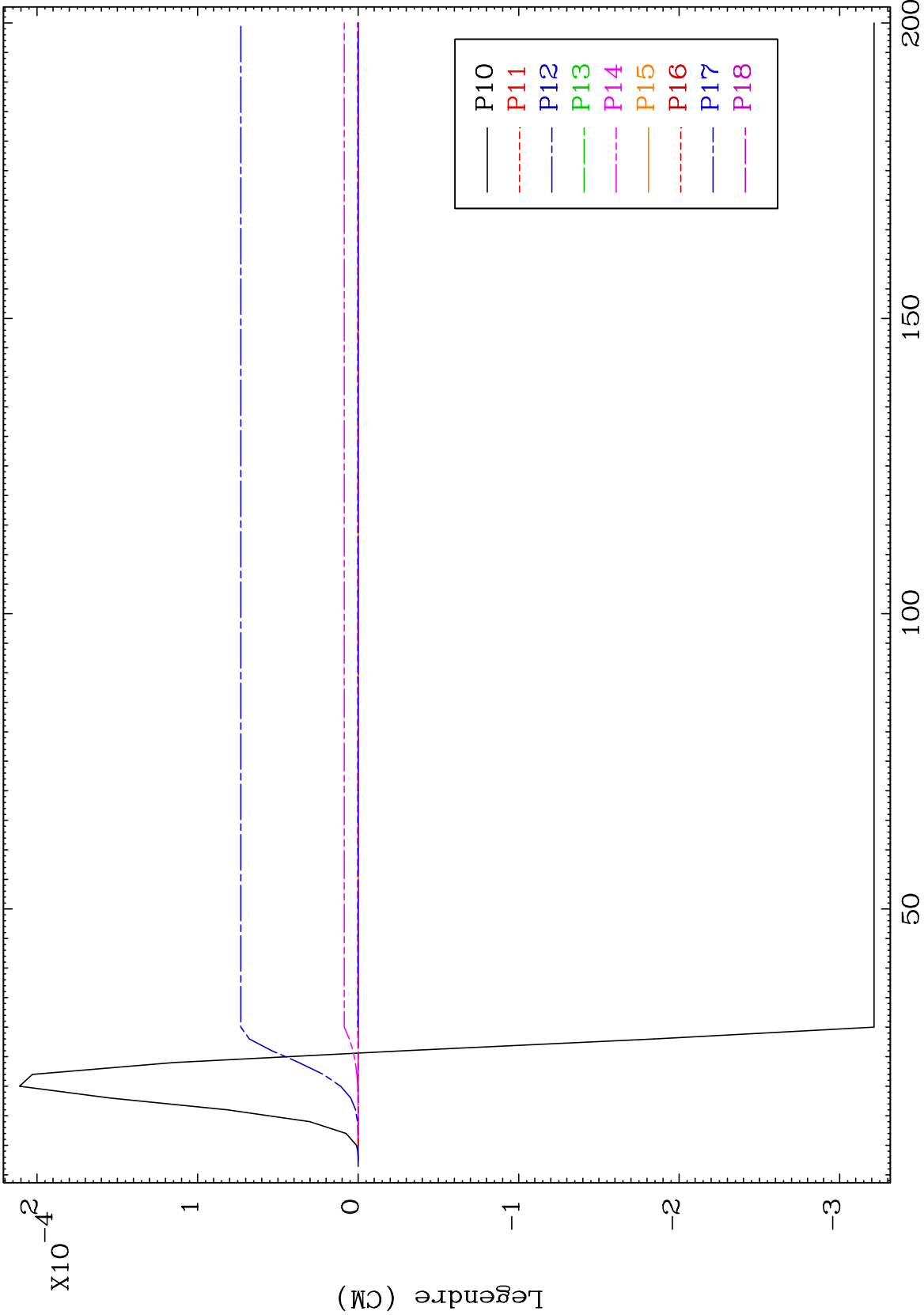




MAT 1649

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

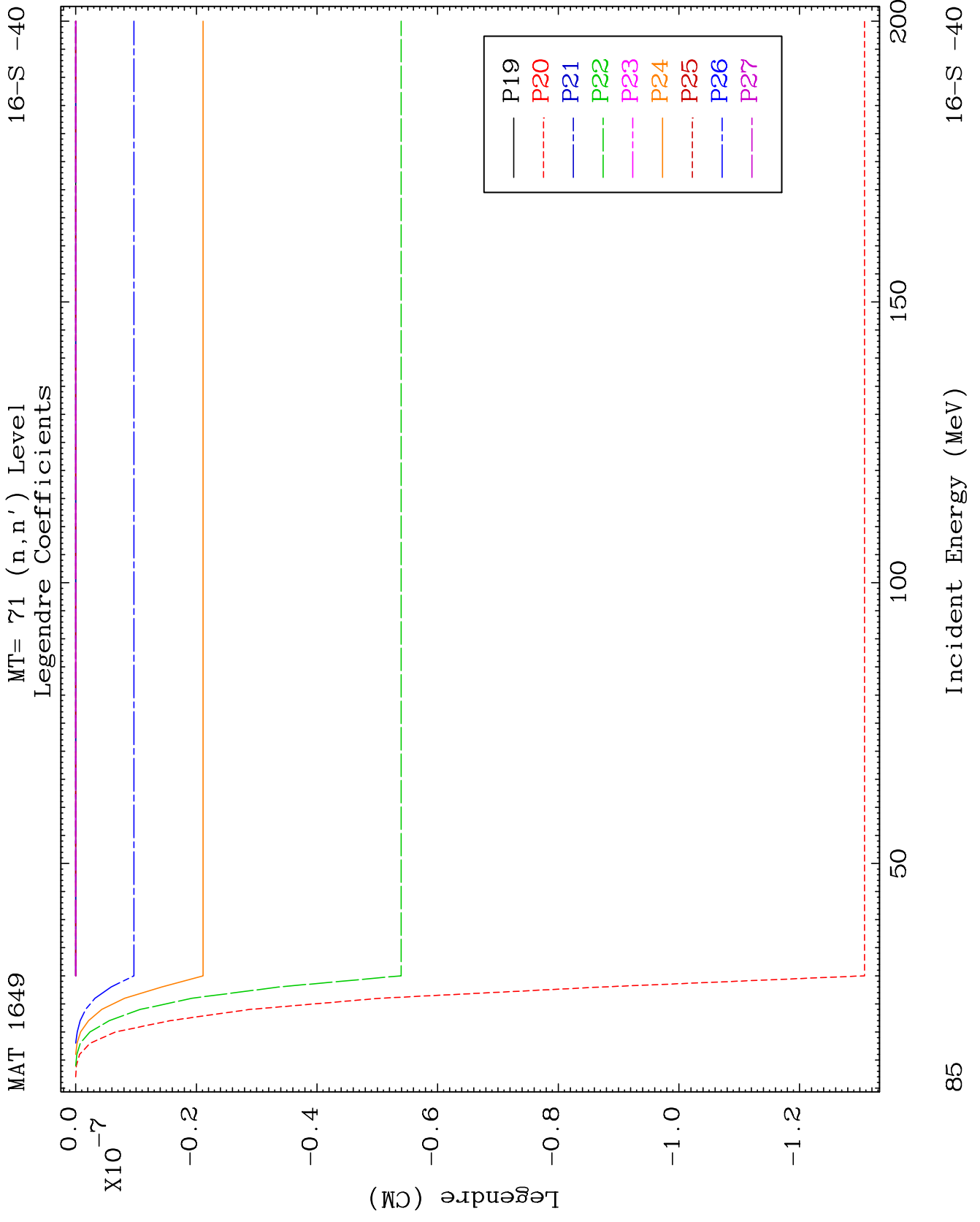
16-S -40

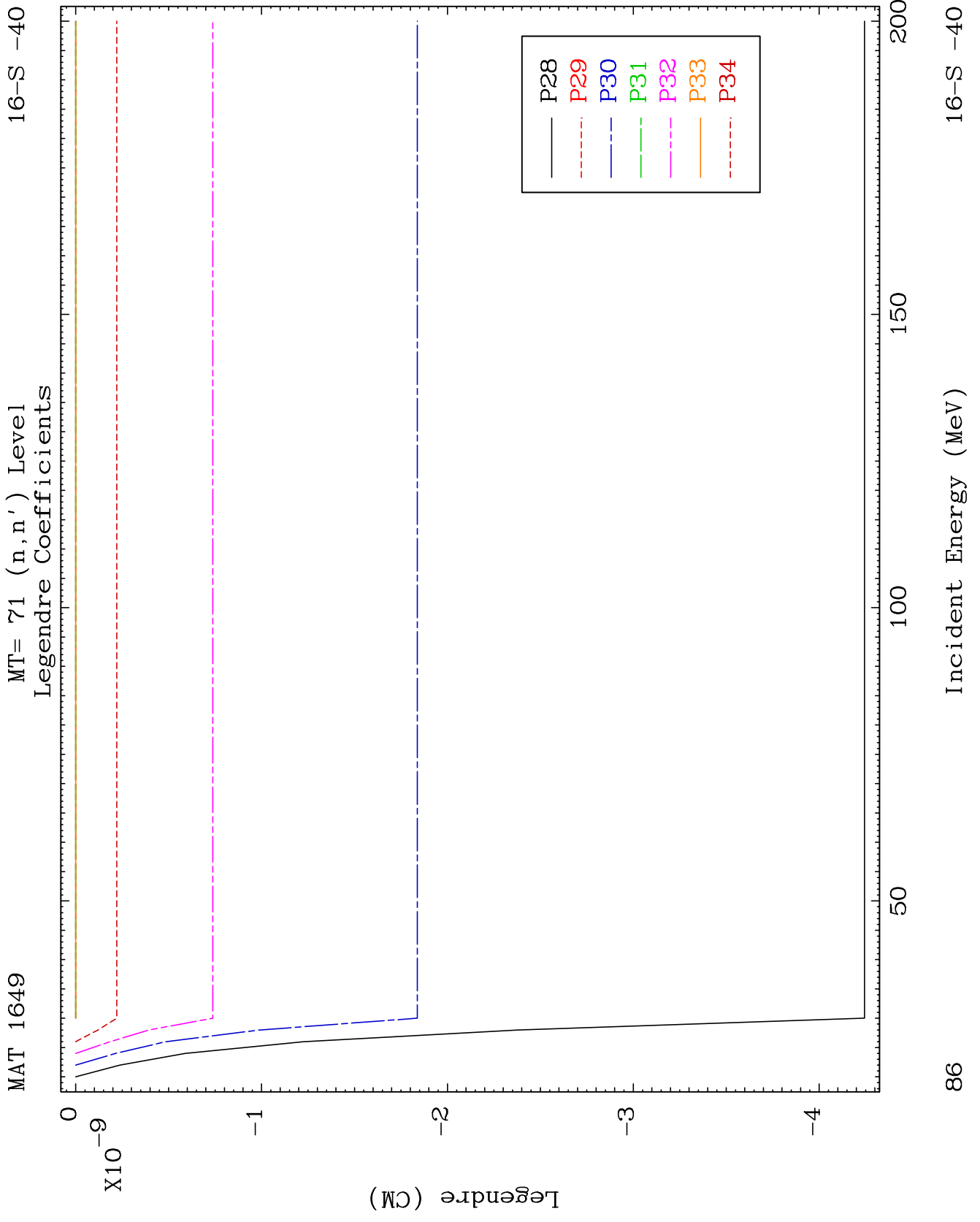


84

Incident Energy (MeV)

16-S -40





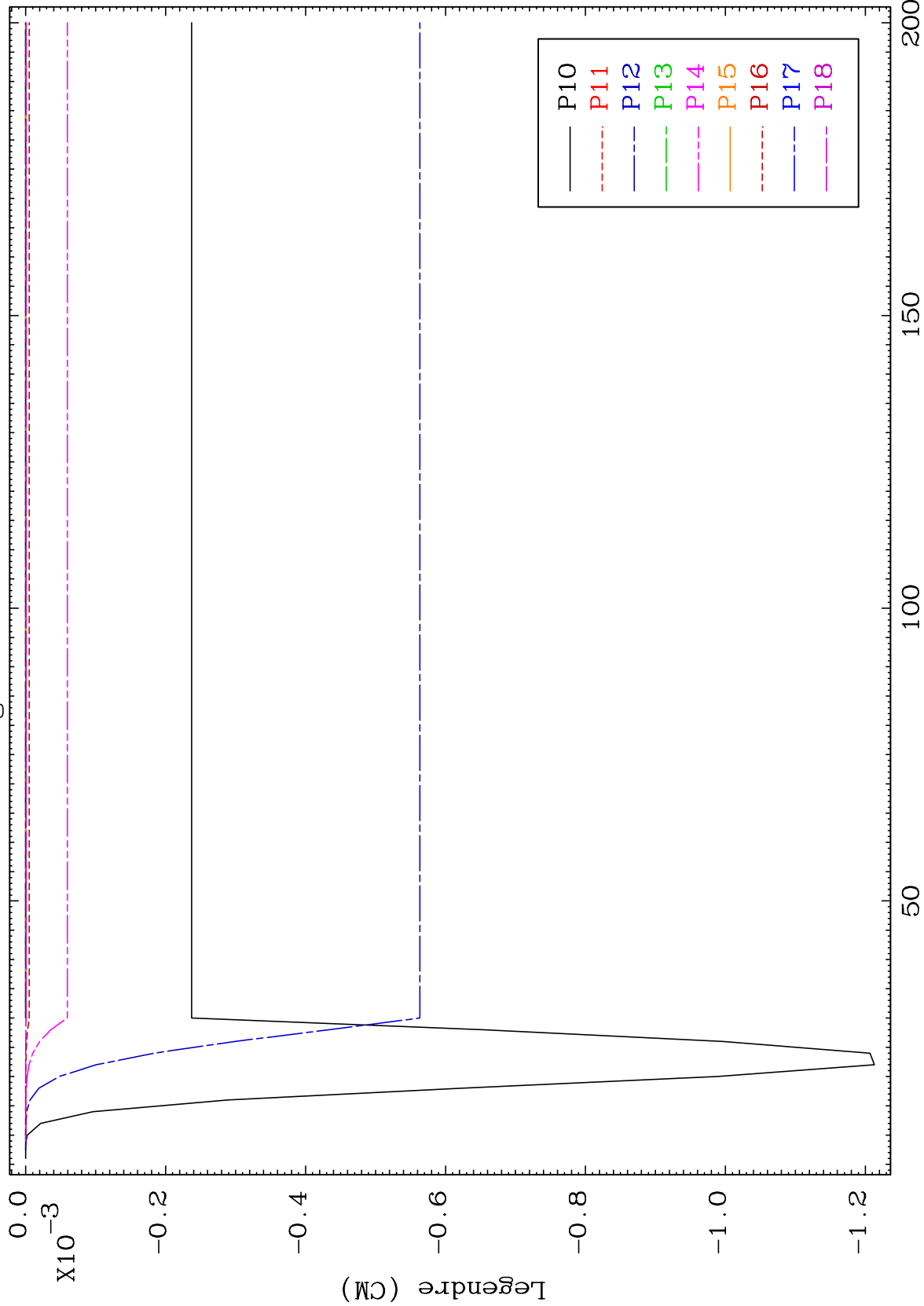




MAT 1649

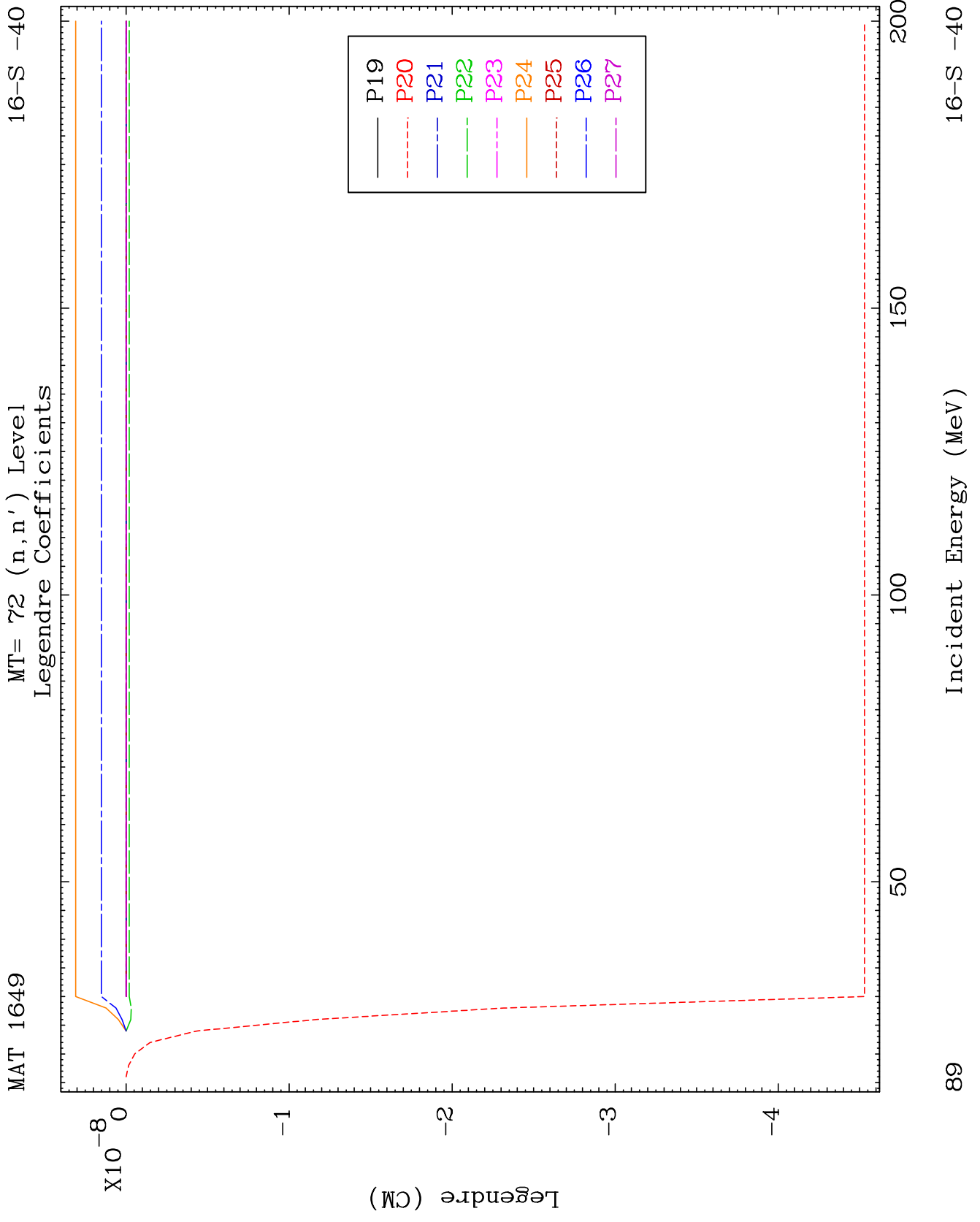
MT= 72 (n,n') Level  
Legendre Coefficients

16-S -40

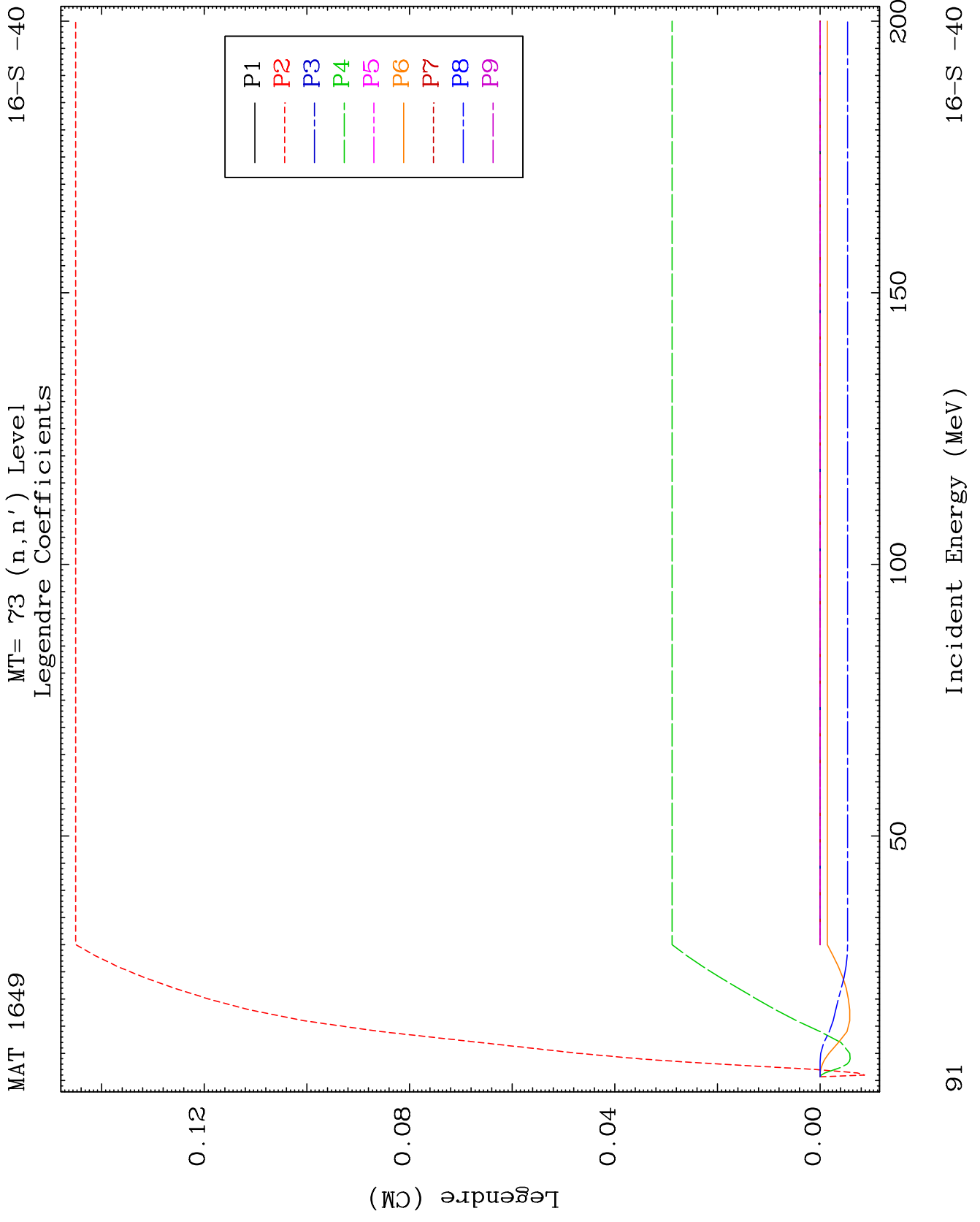


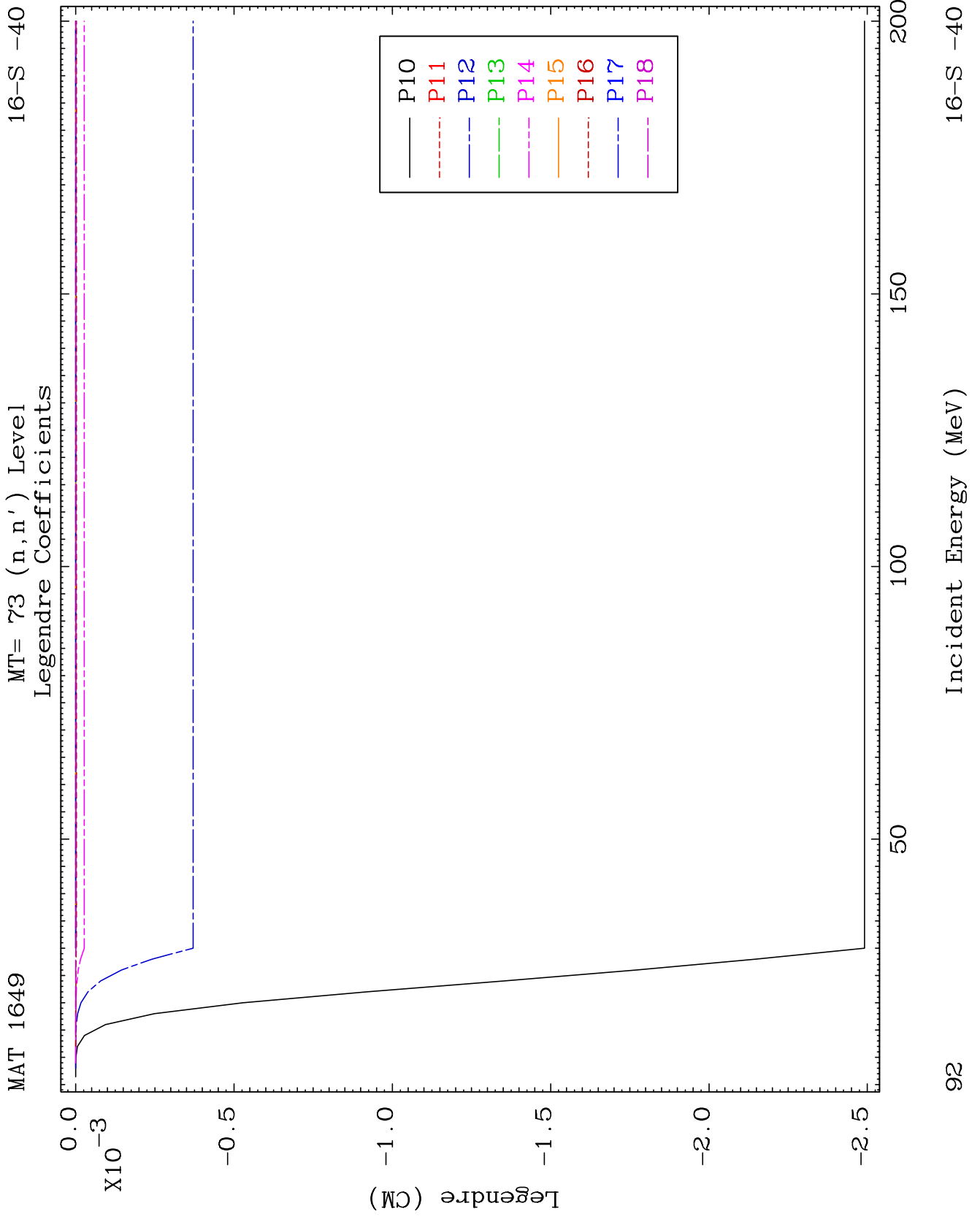
88

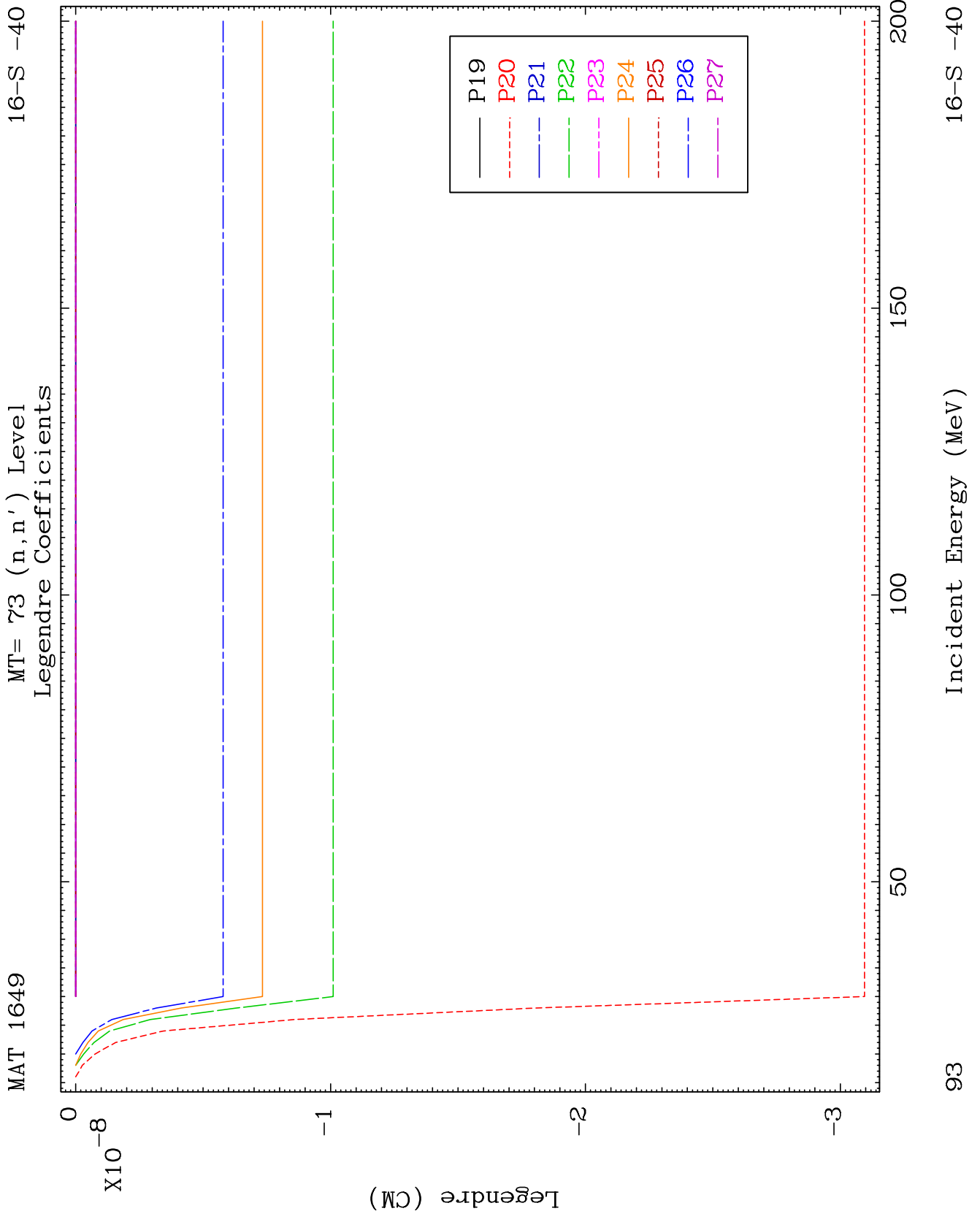
16-S -40

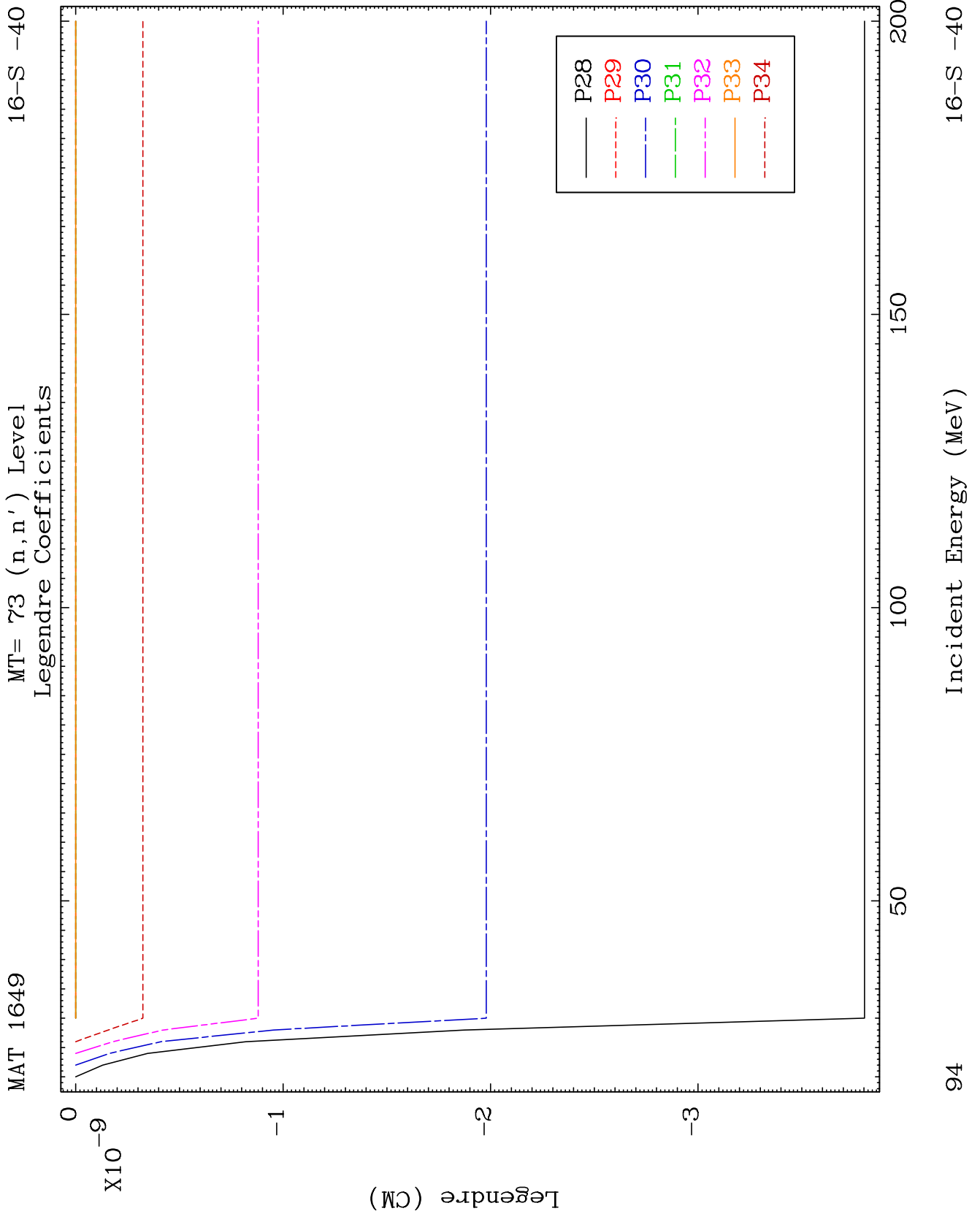


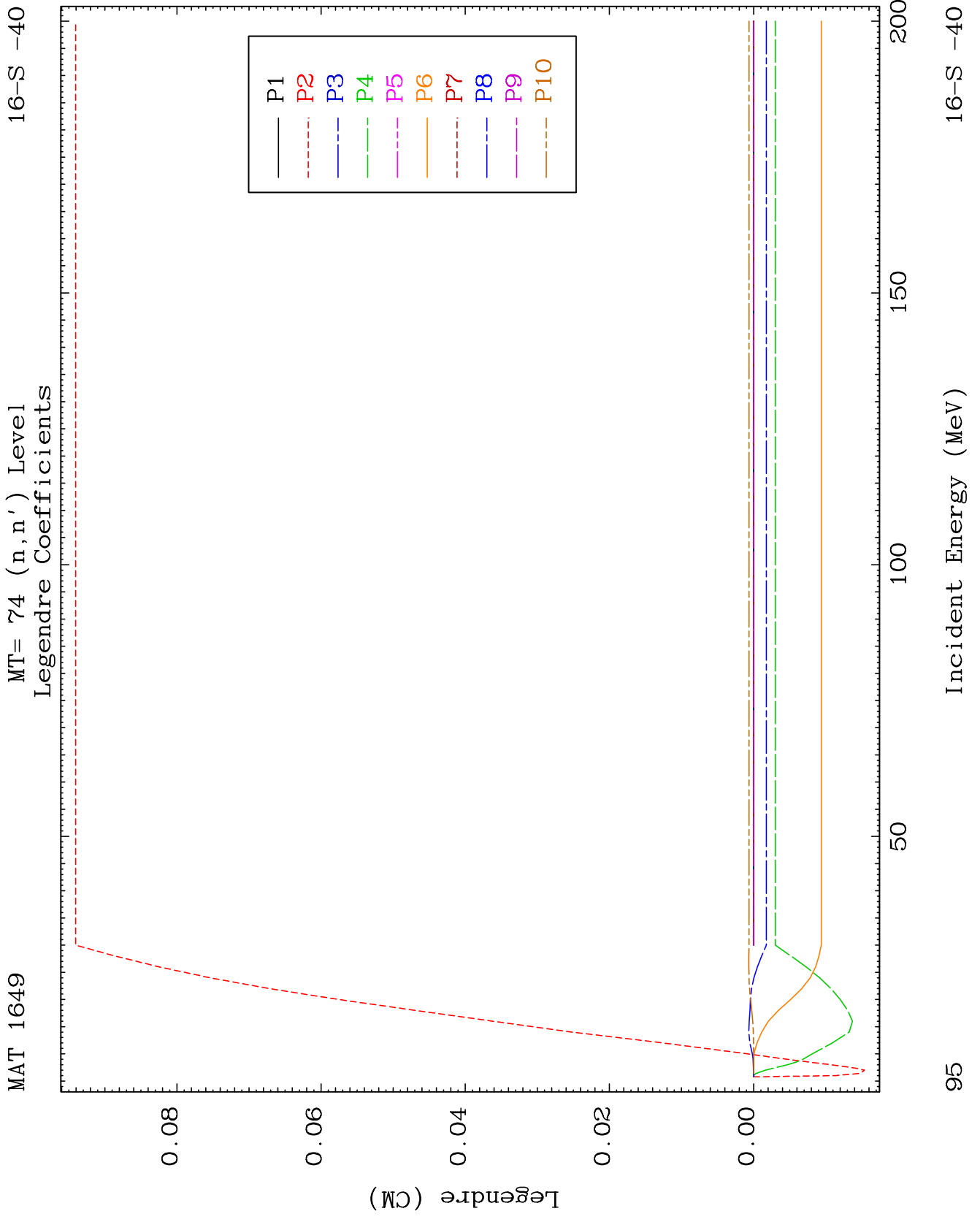




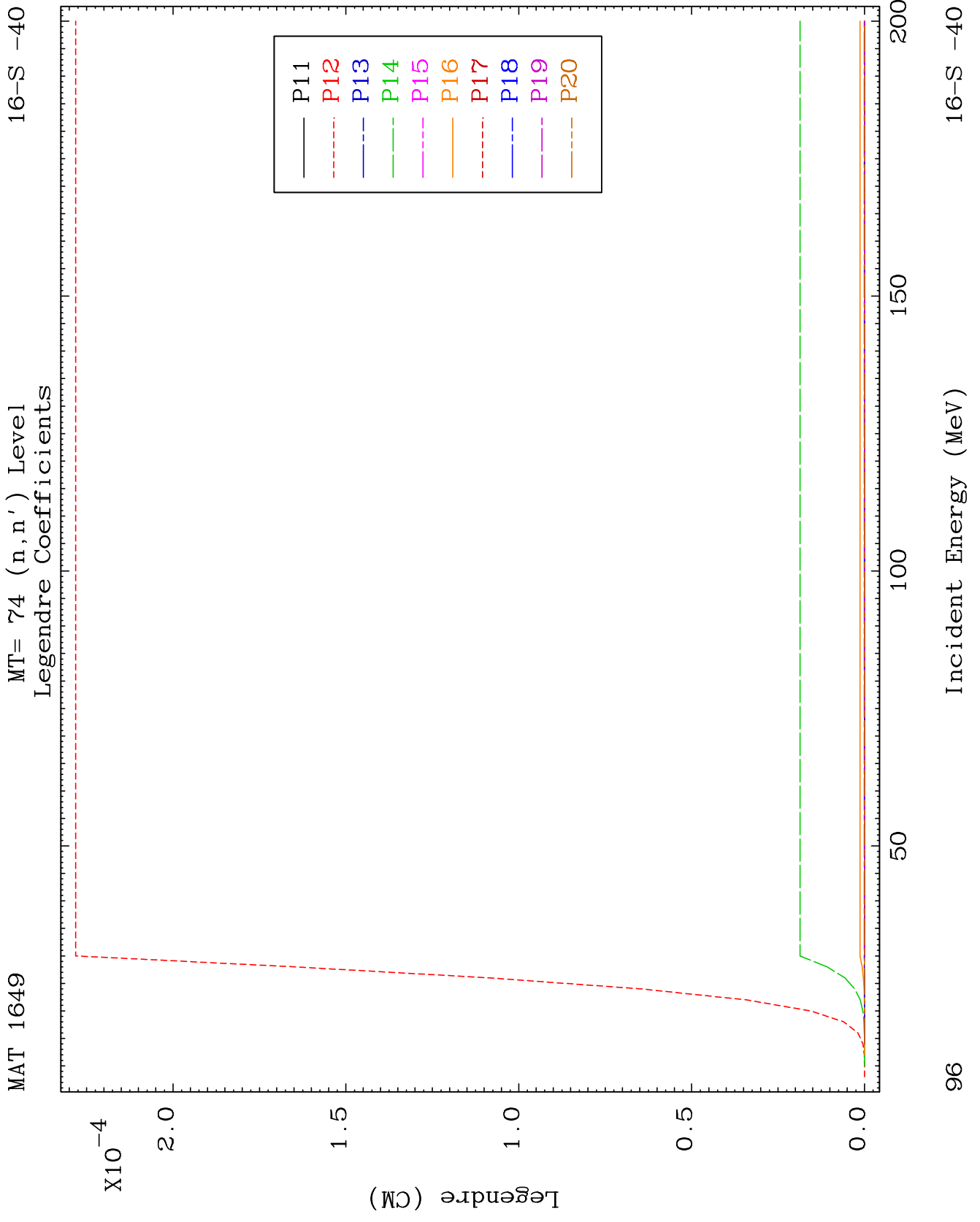








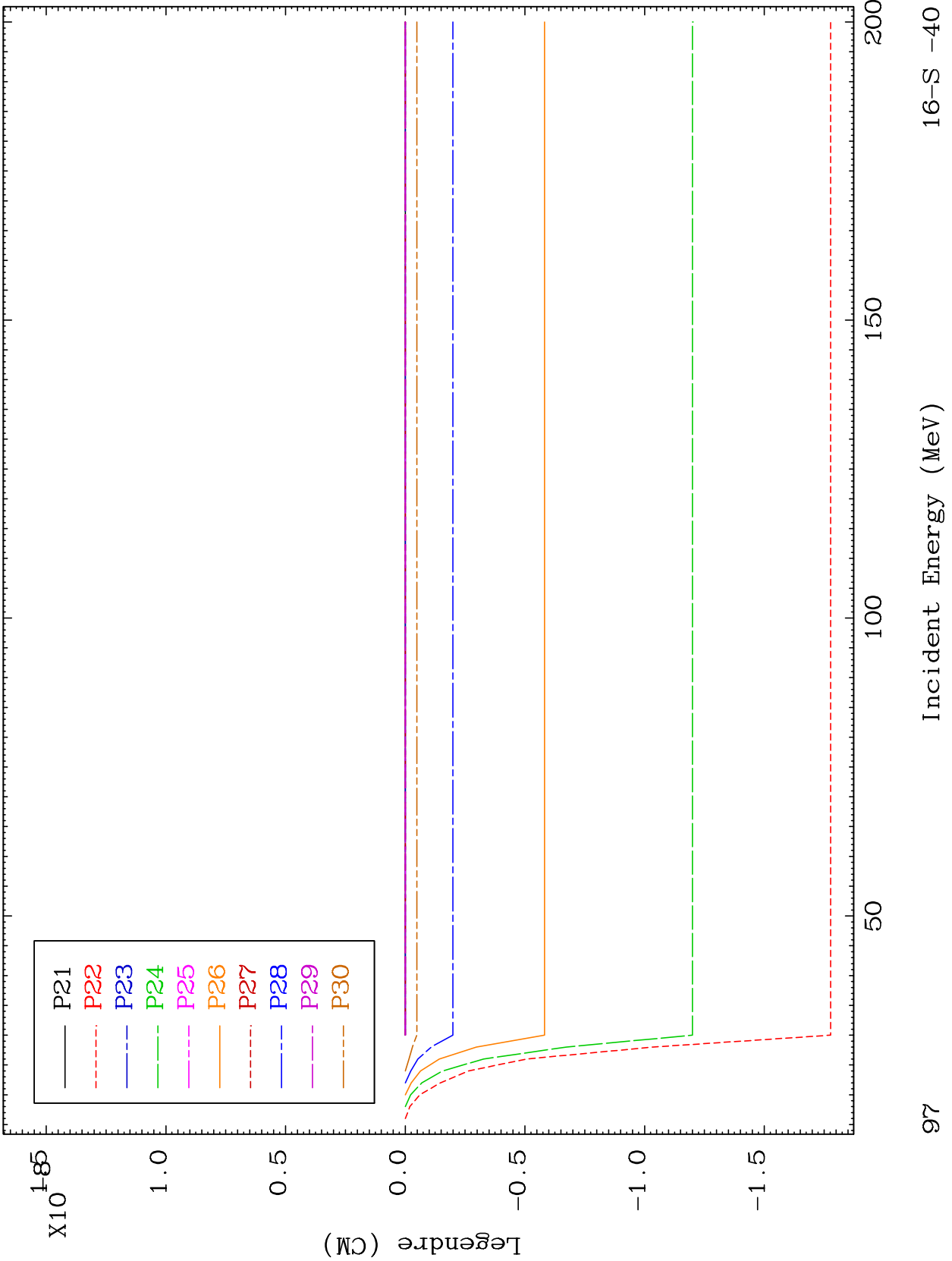


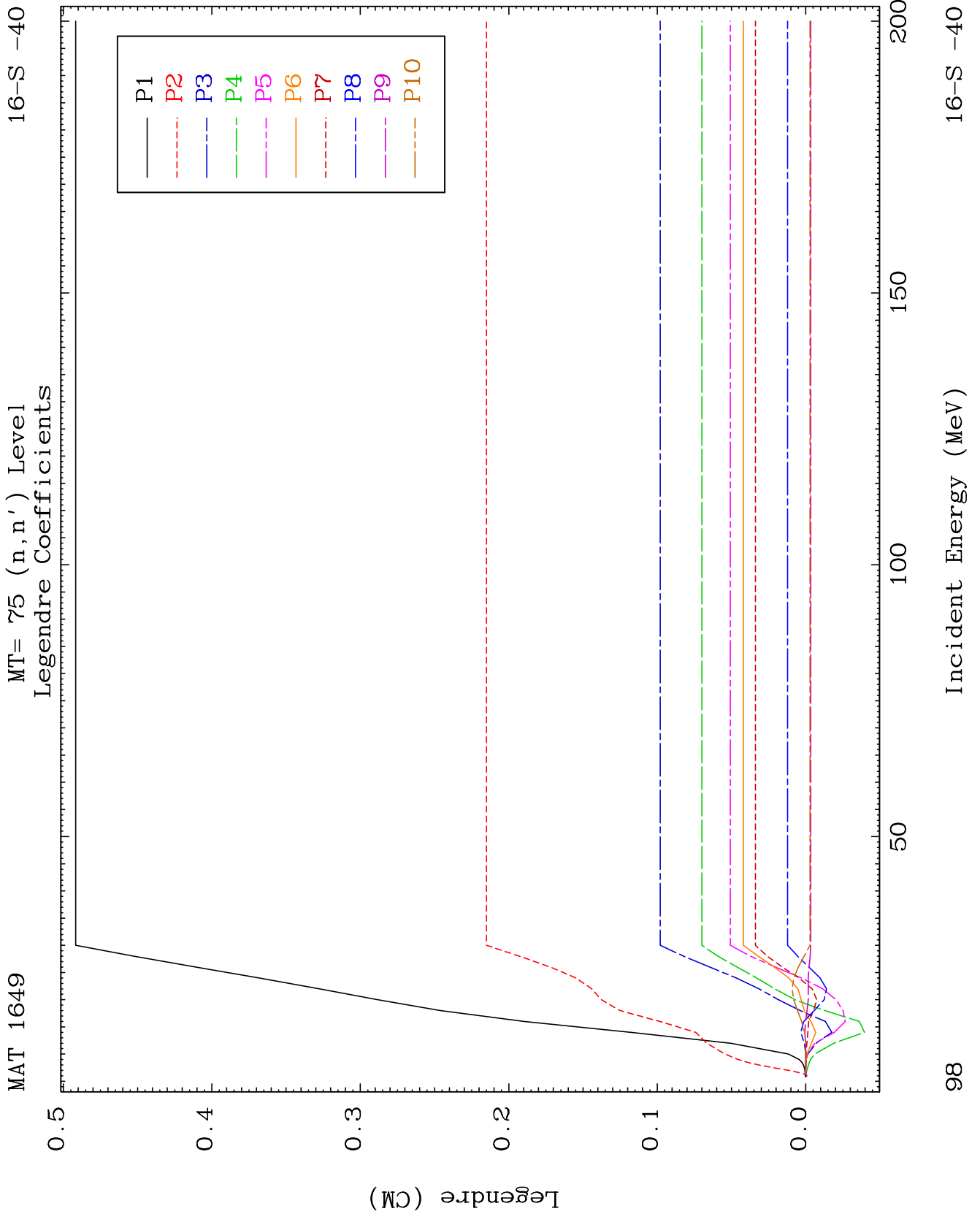


MAT 1649

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

16-S -40

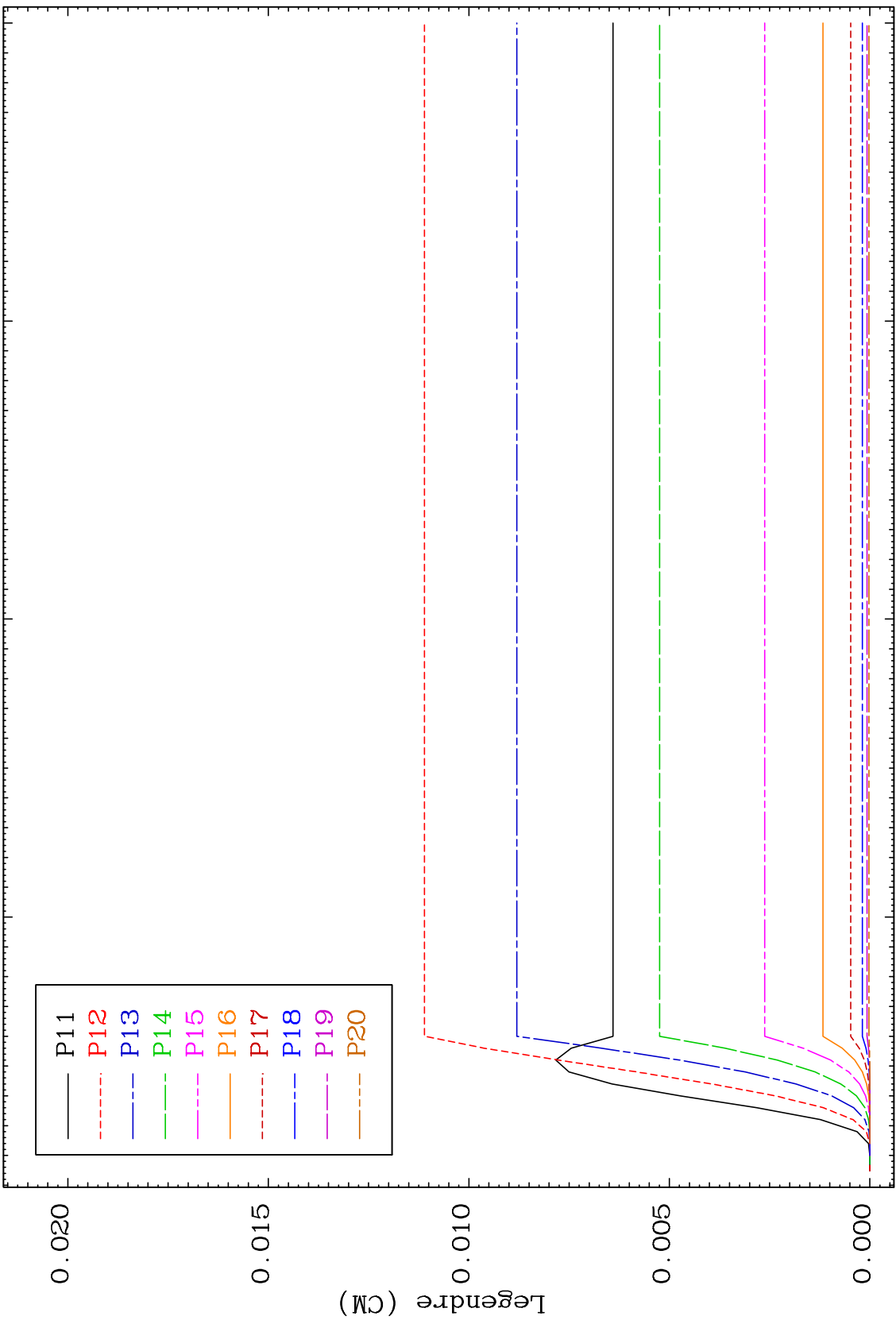




MAT 1649

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

16-S -40



200

150

100

50

Incident Energy (MeV)

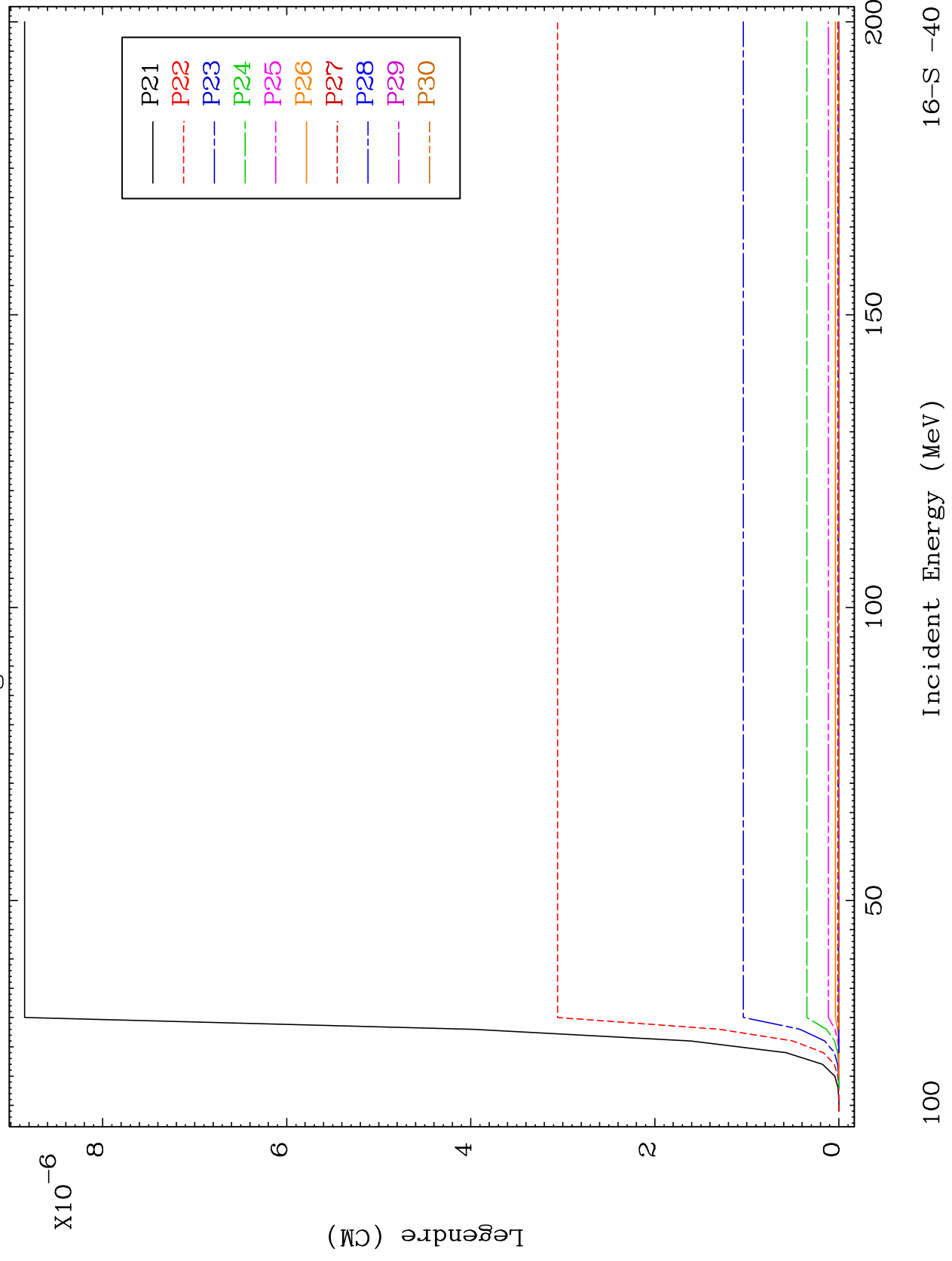
16-S -40

99

MAT 1649

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

16-S -40



100

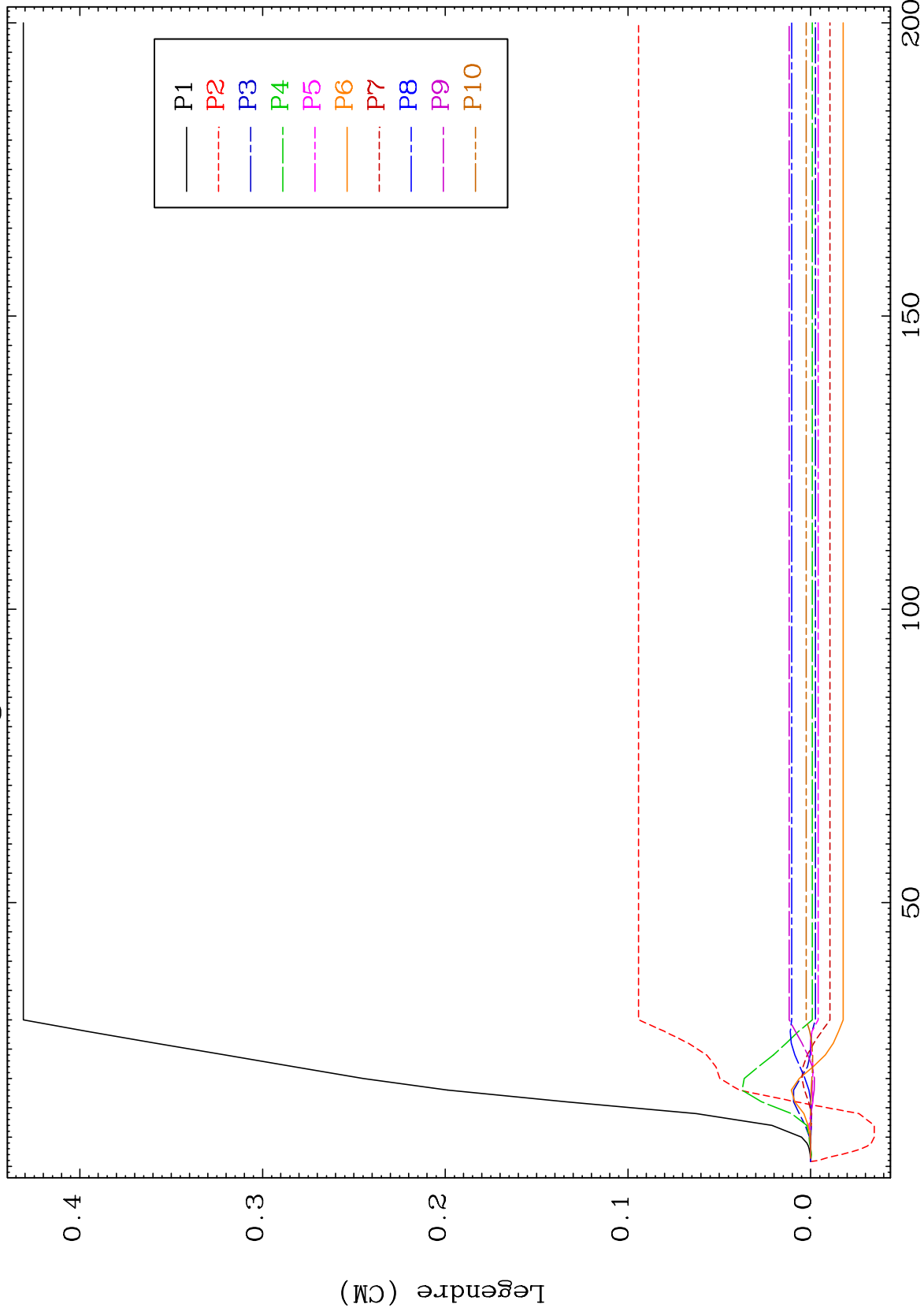
Incident Energy (MeV)

16-S -40

MAT 1649

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

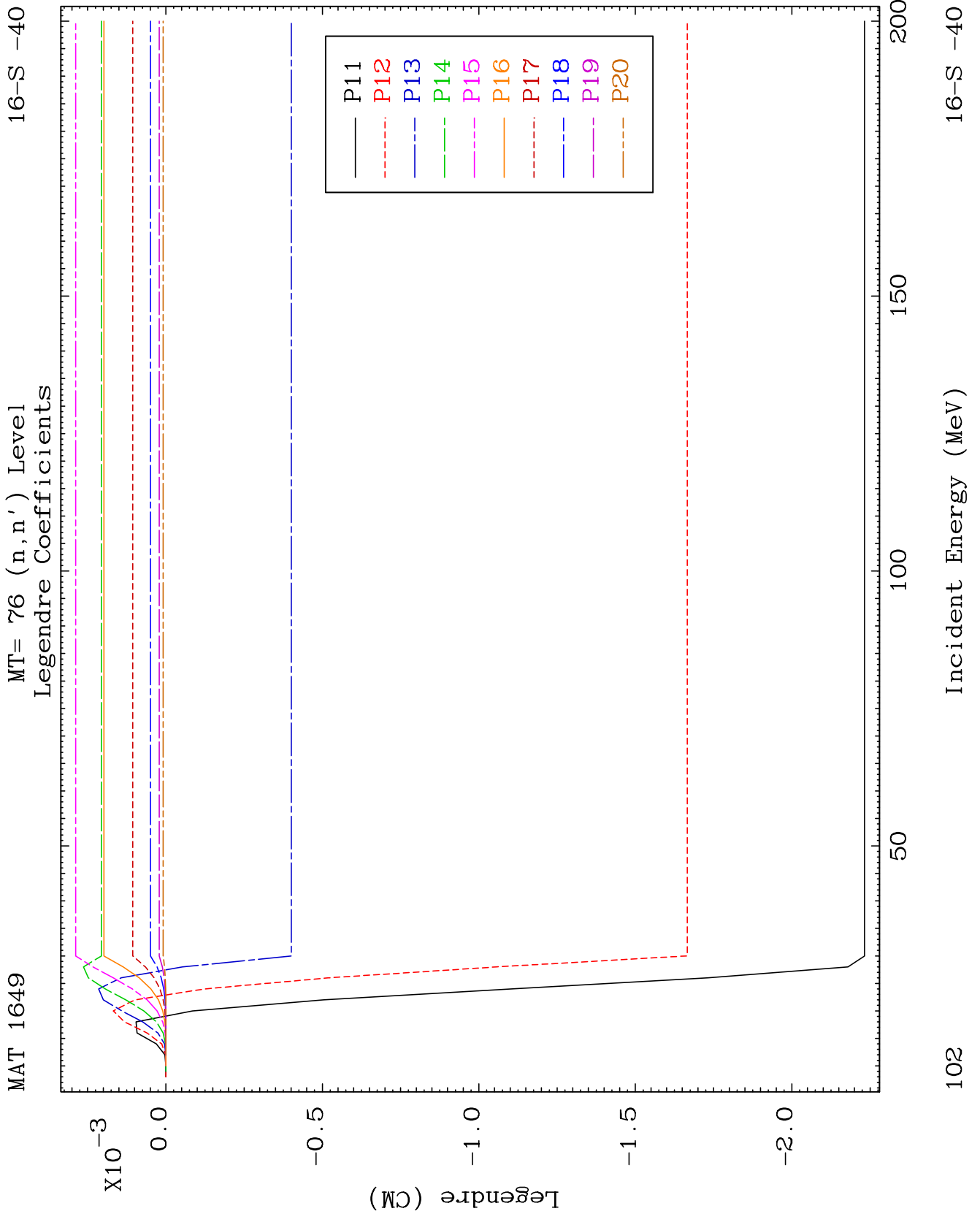
16-S -40



101

Incident Energy (MeV)

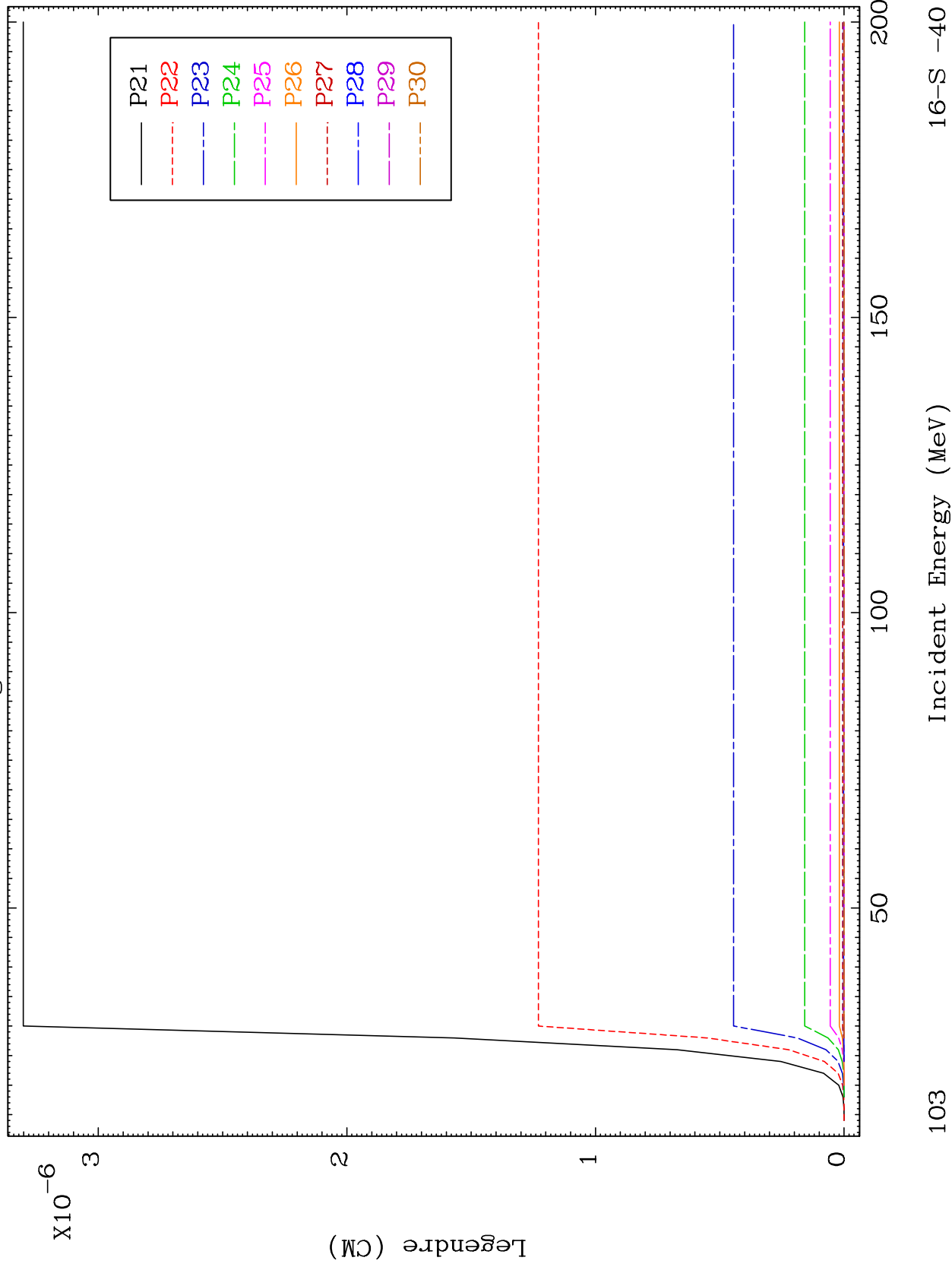
16-S -40



MAT 1649

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

16-S -40

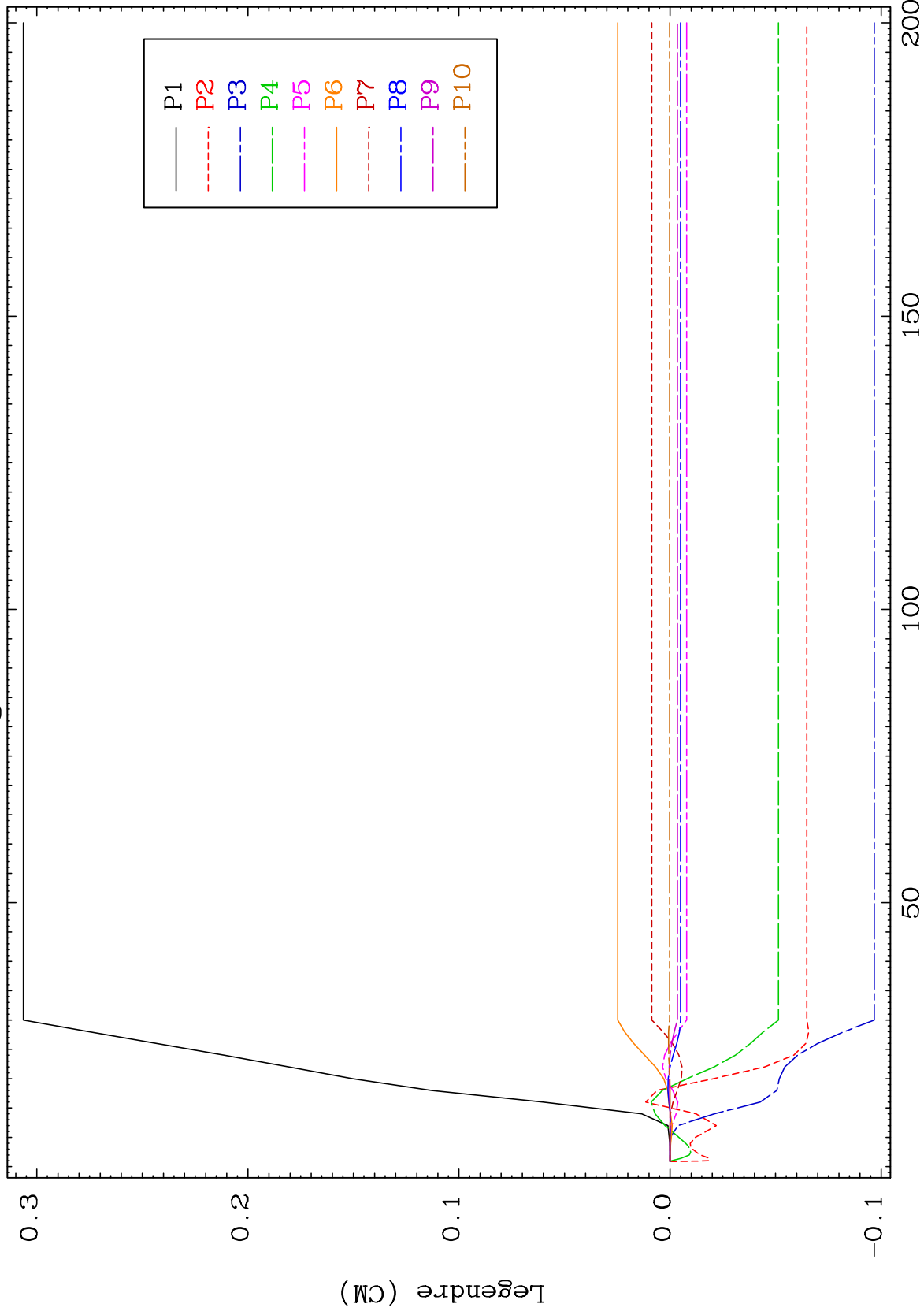




MAT 1649

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

16-S -40



104

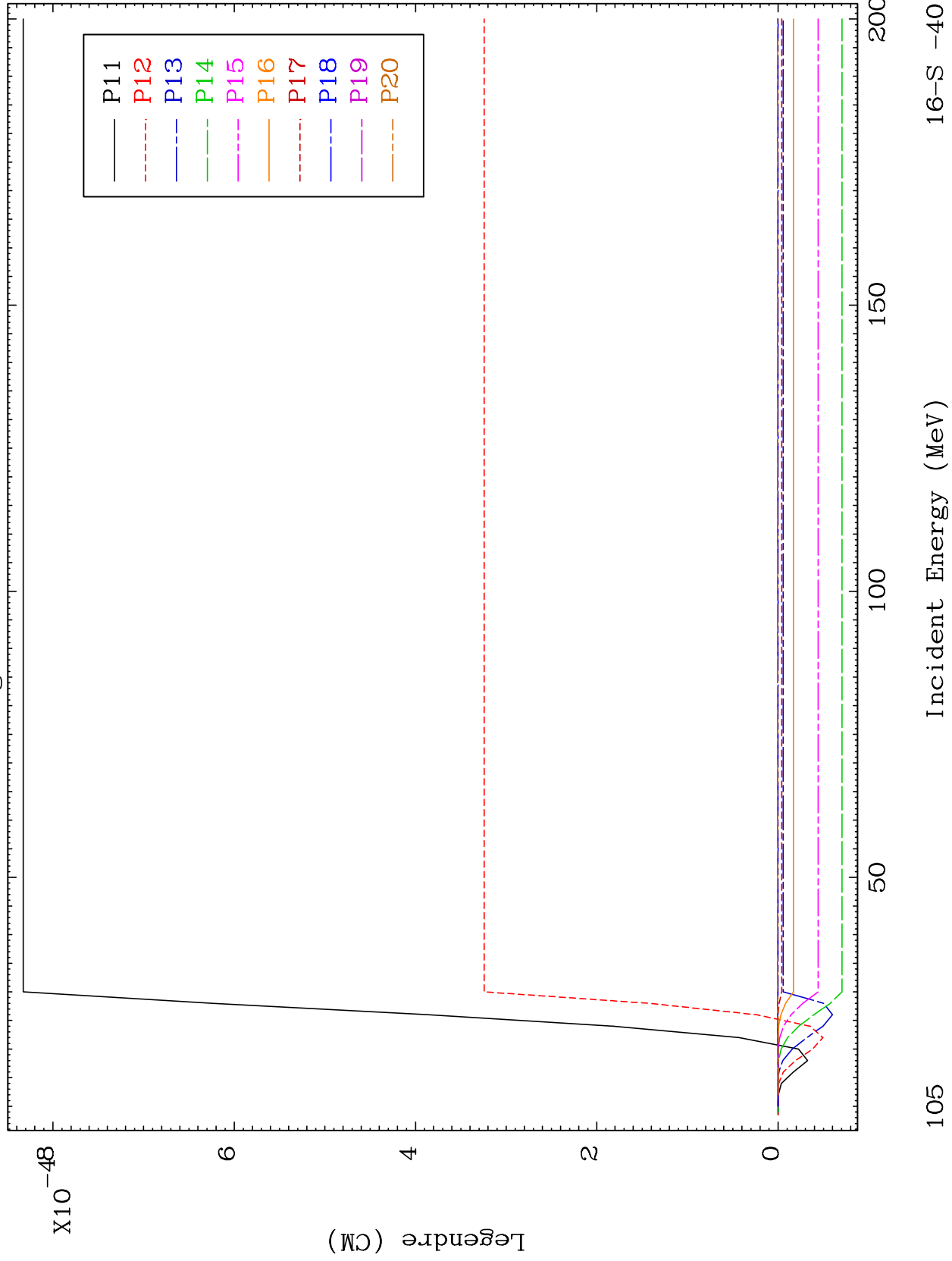
Incident Energy (MeV)

16-S -40

MAT 1649

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

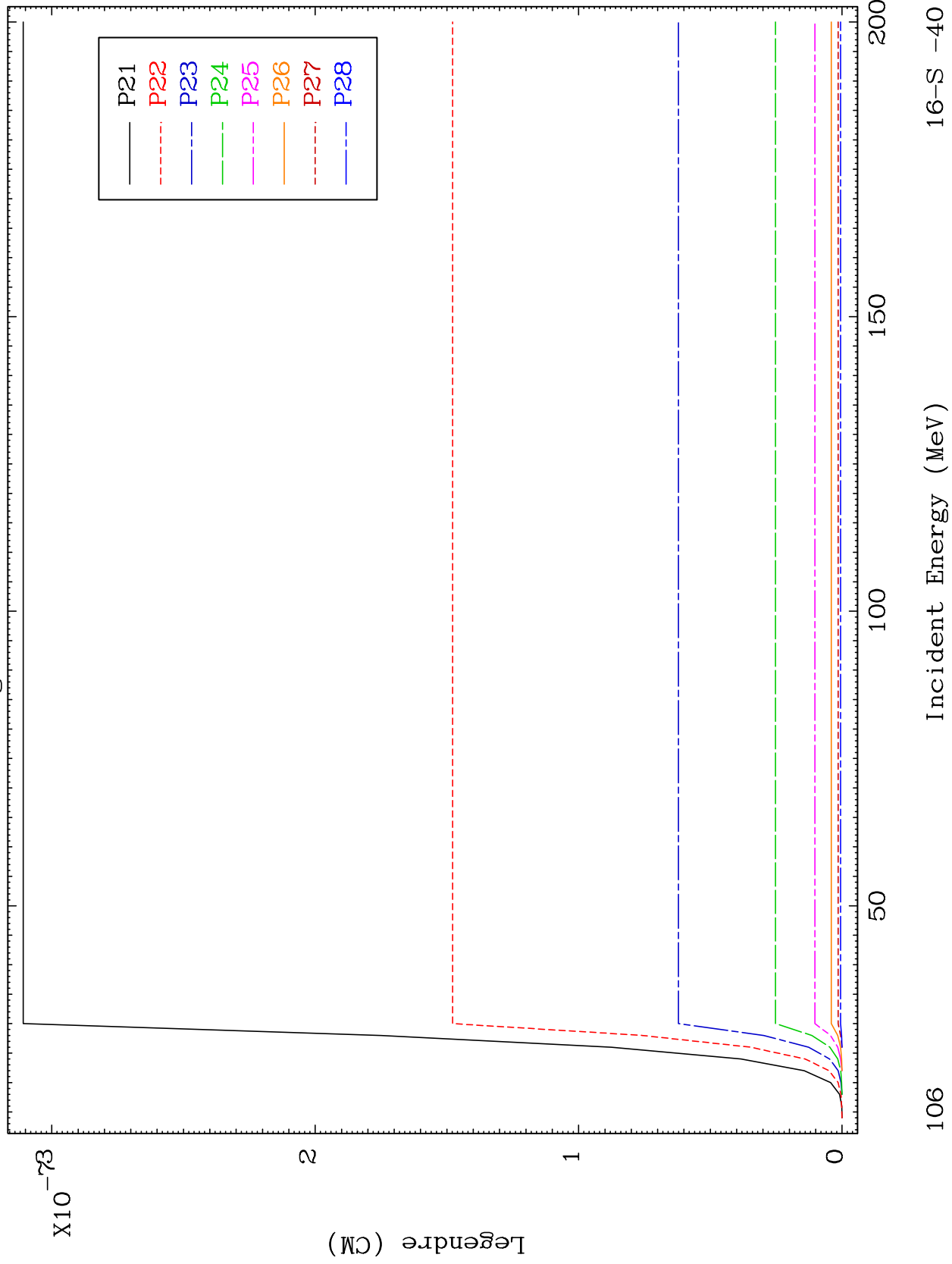
16-S -40



MAT 1649

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

16-S -40

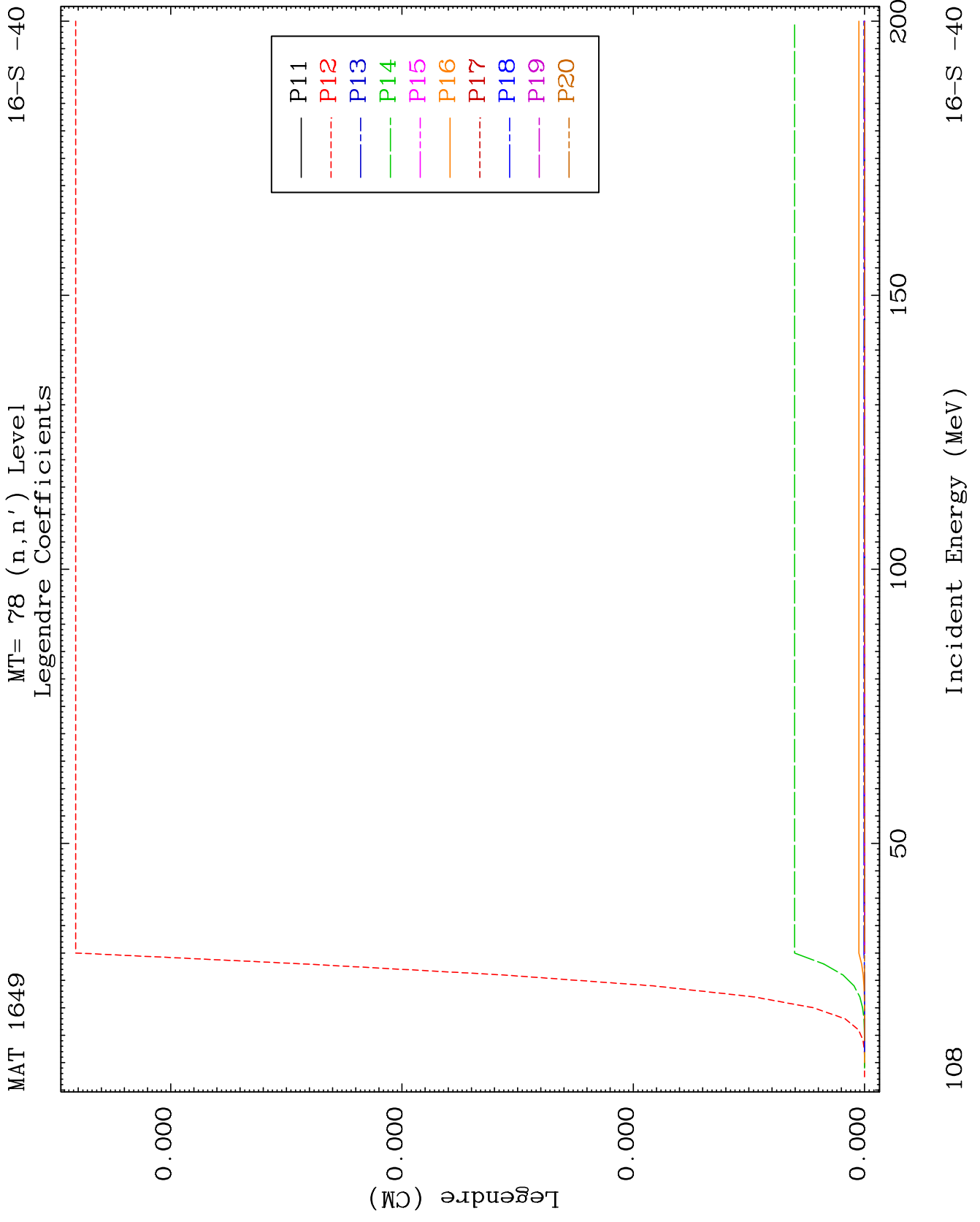


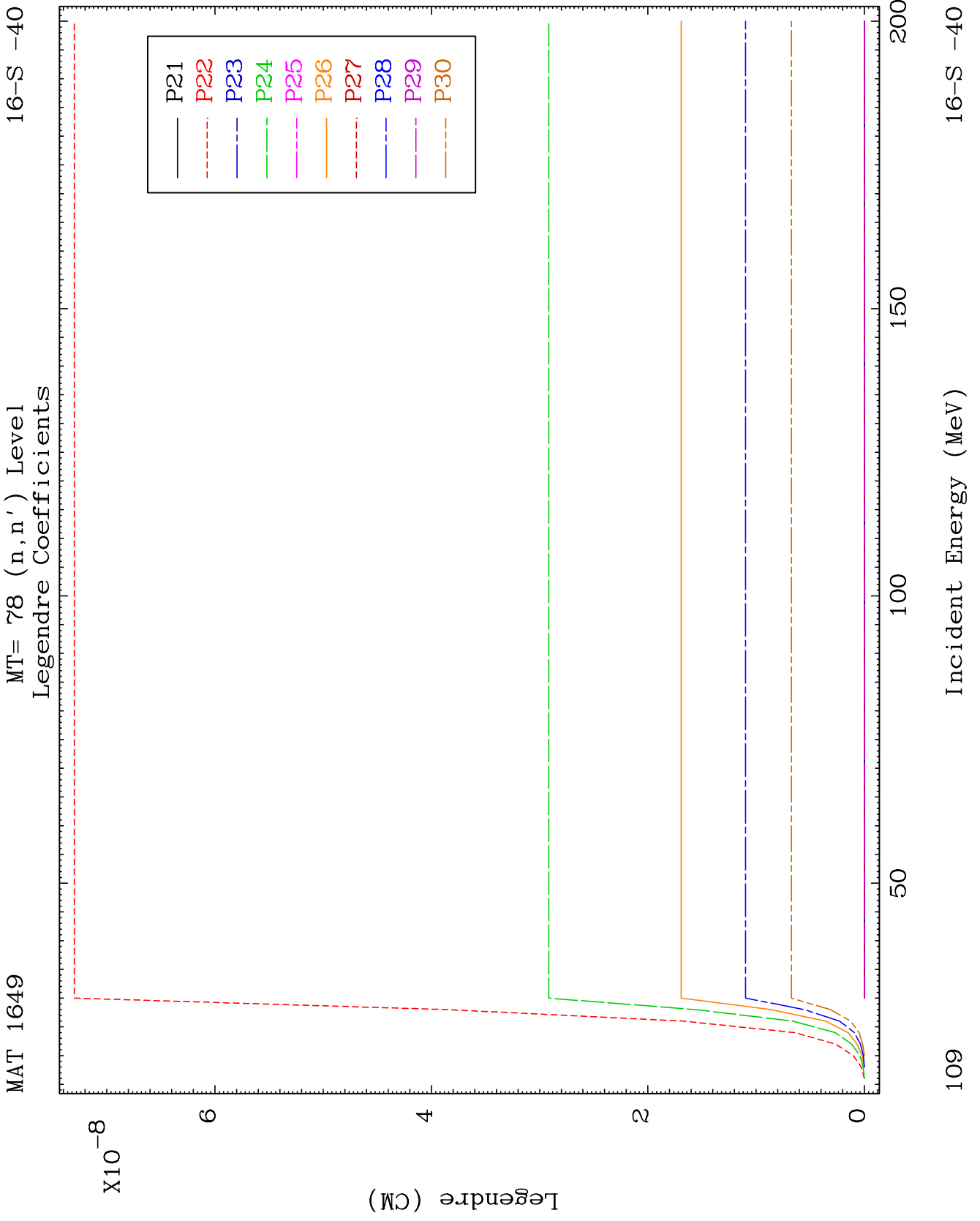
106

Incident Energy (MeV)

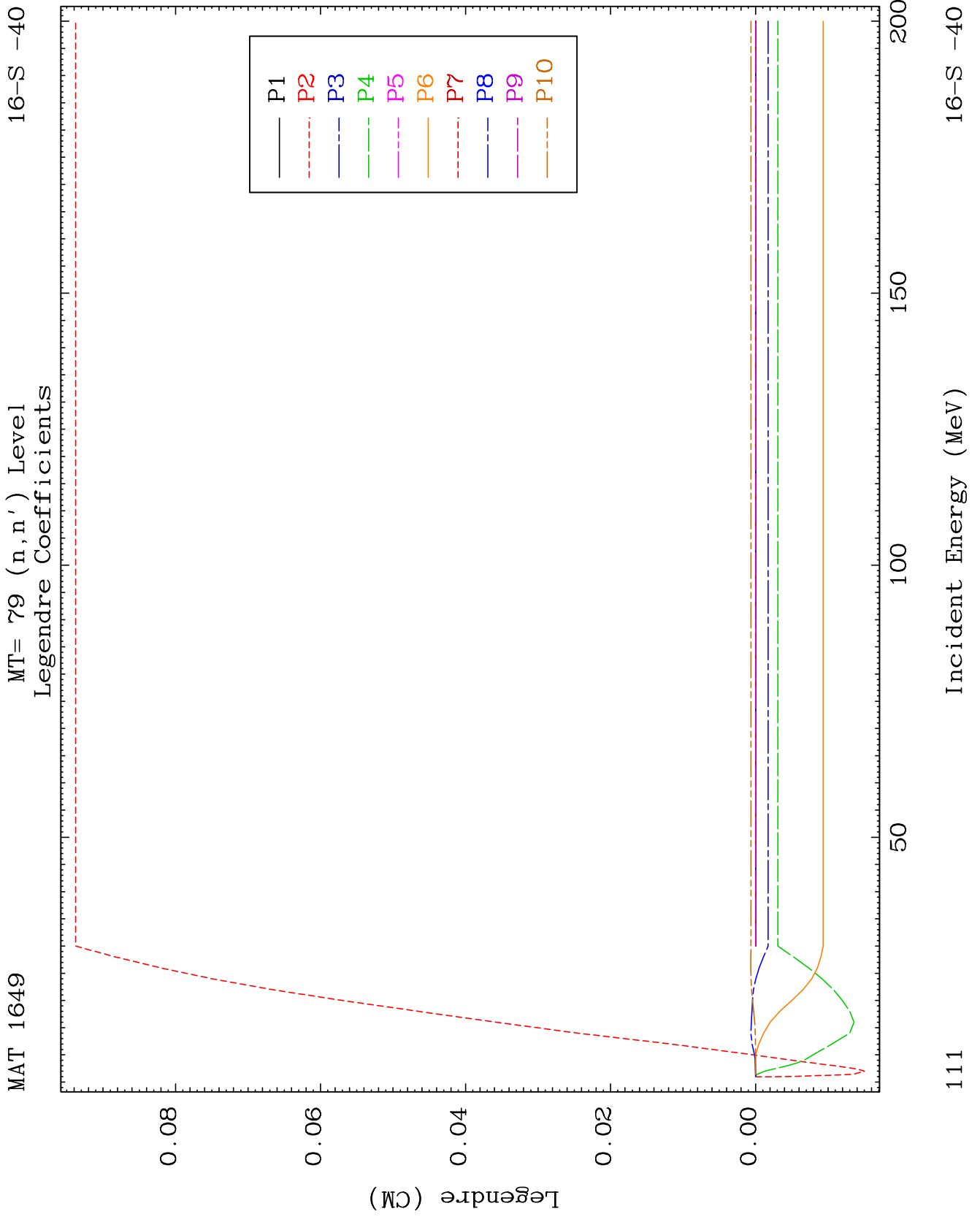
16-S -40



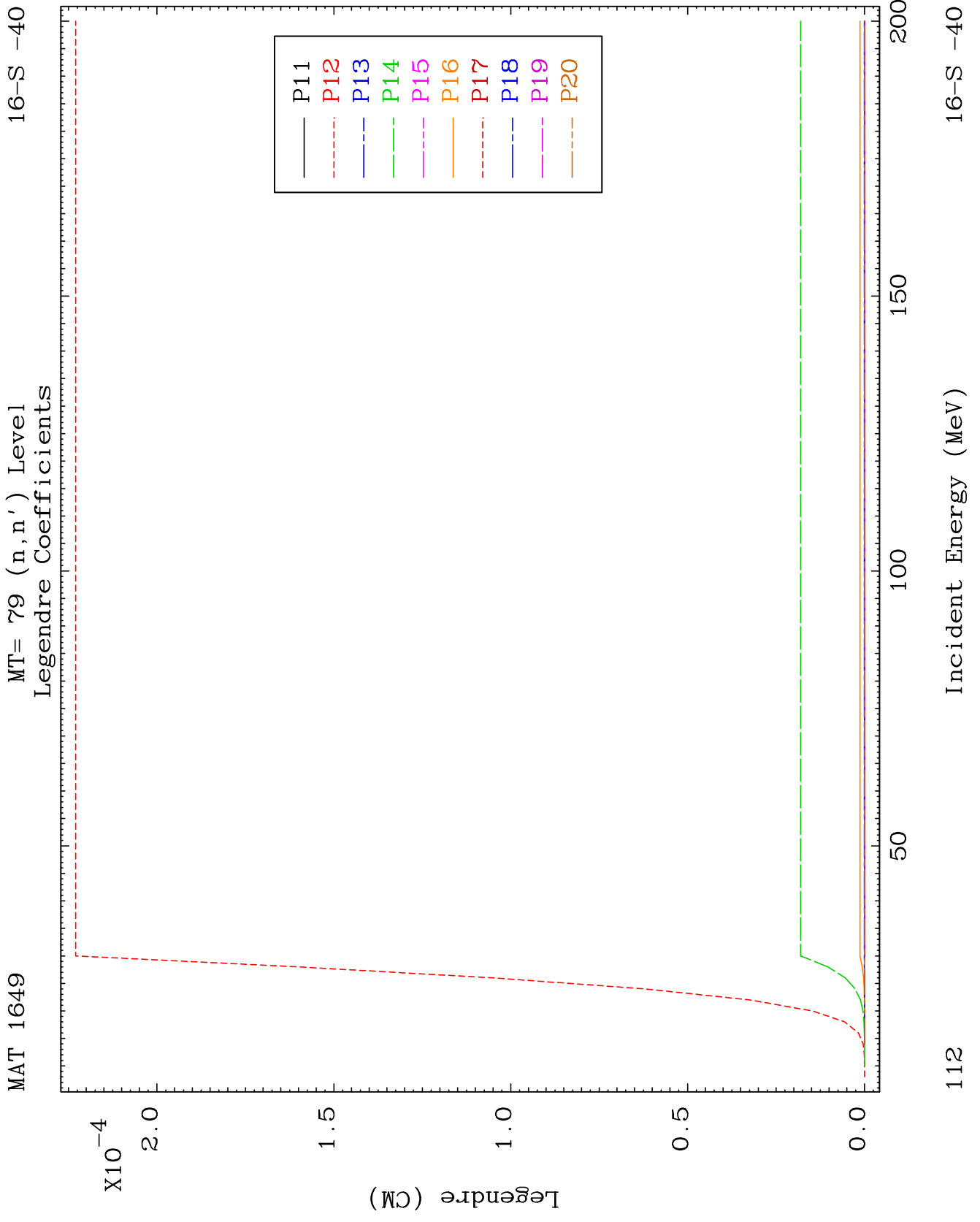








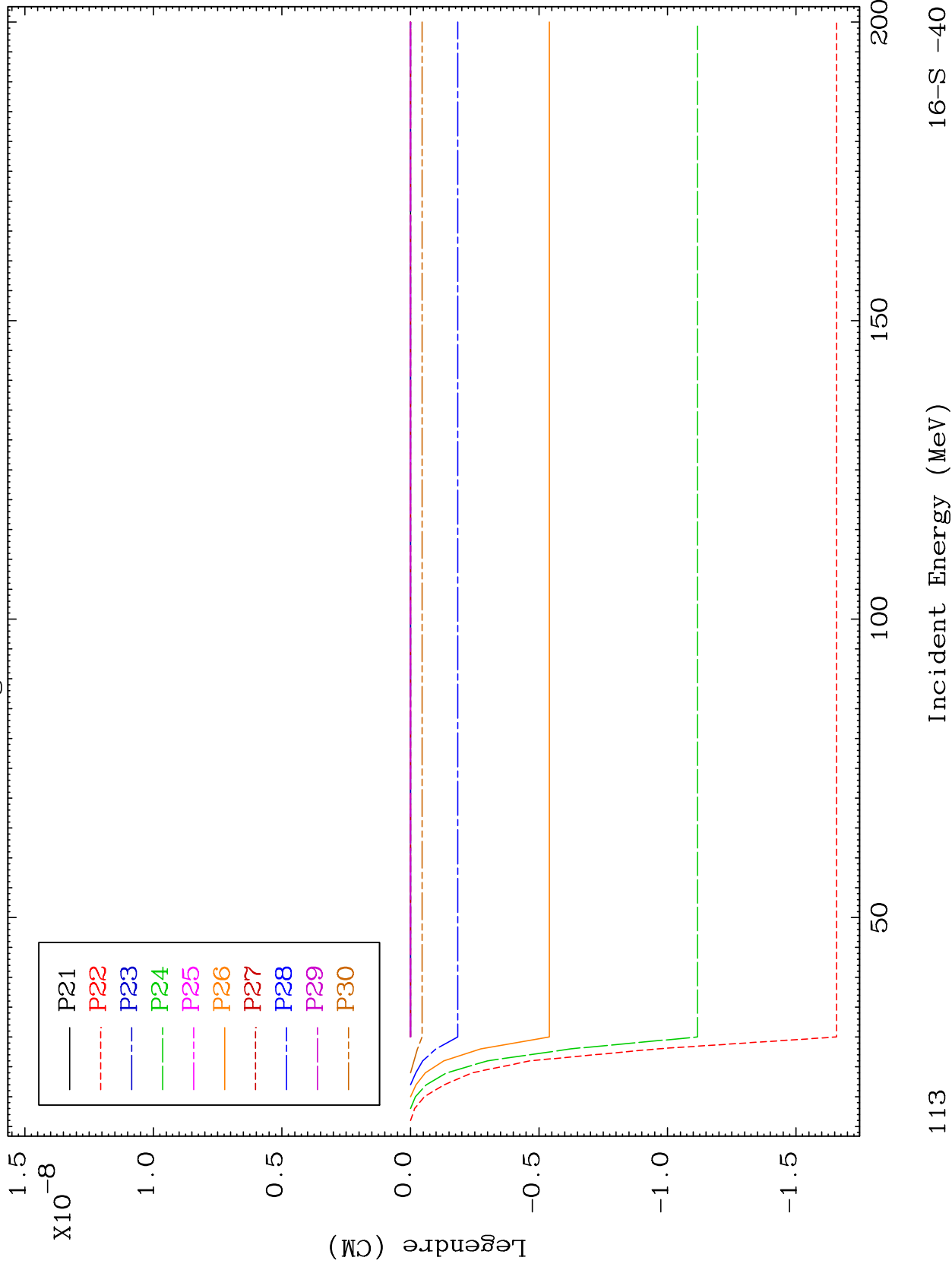




MAT 1649

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

16-S -40



113

16-S -40