

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

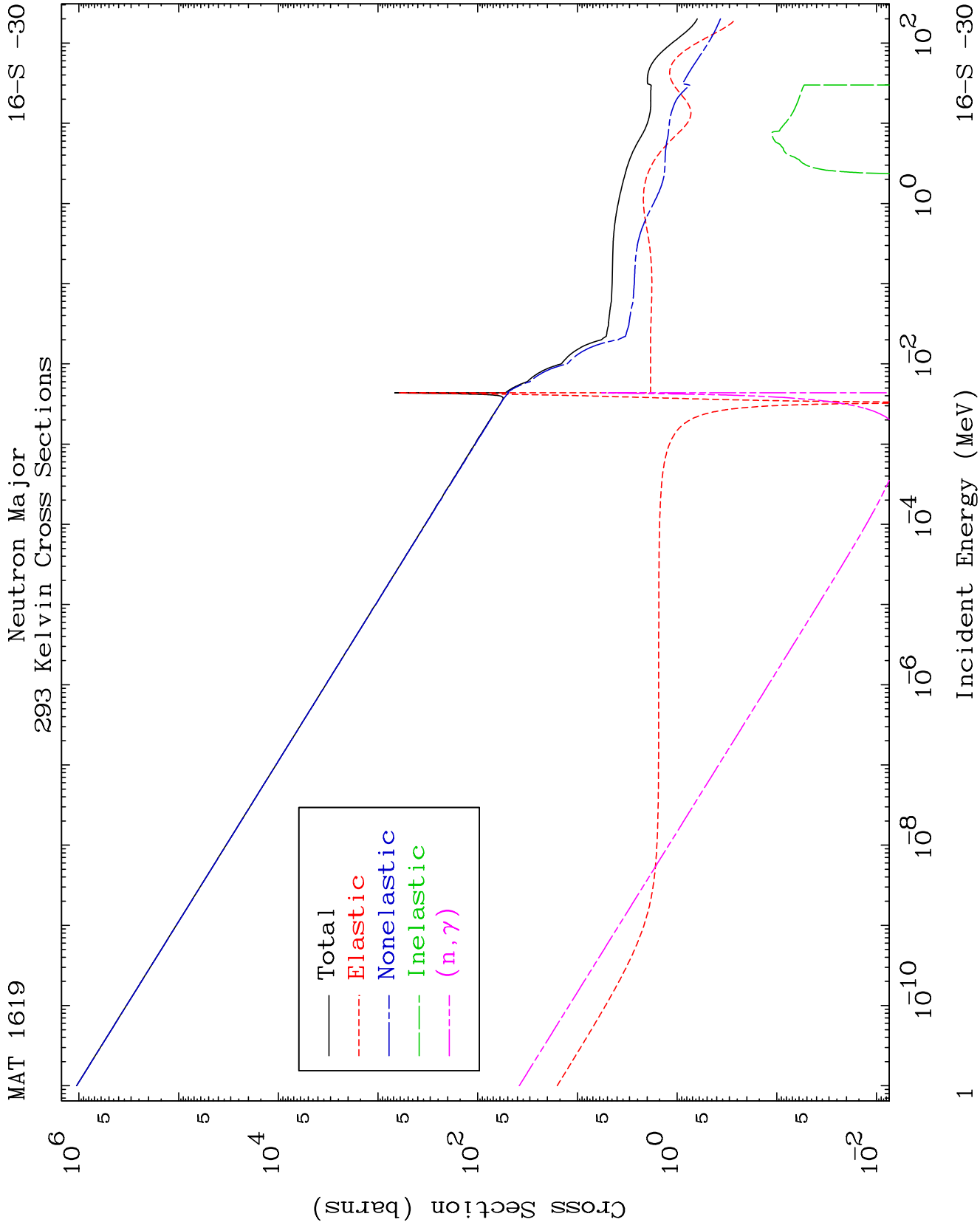
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

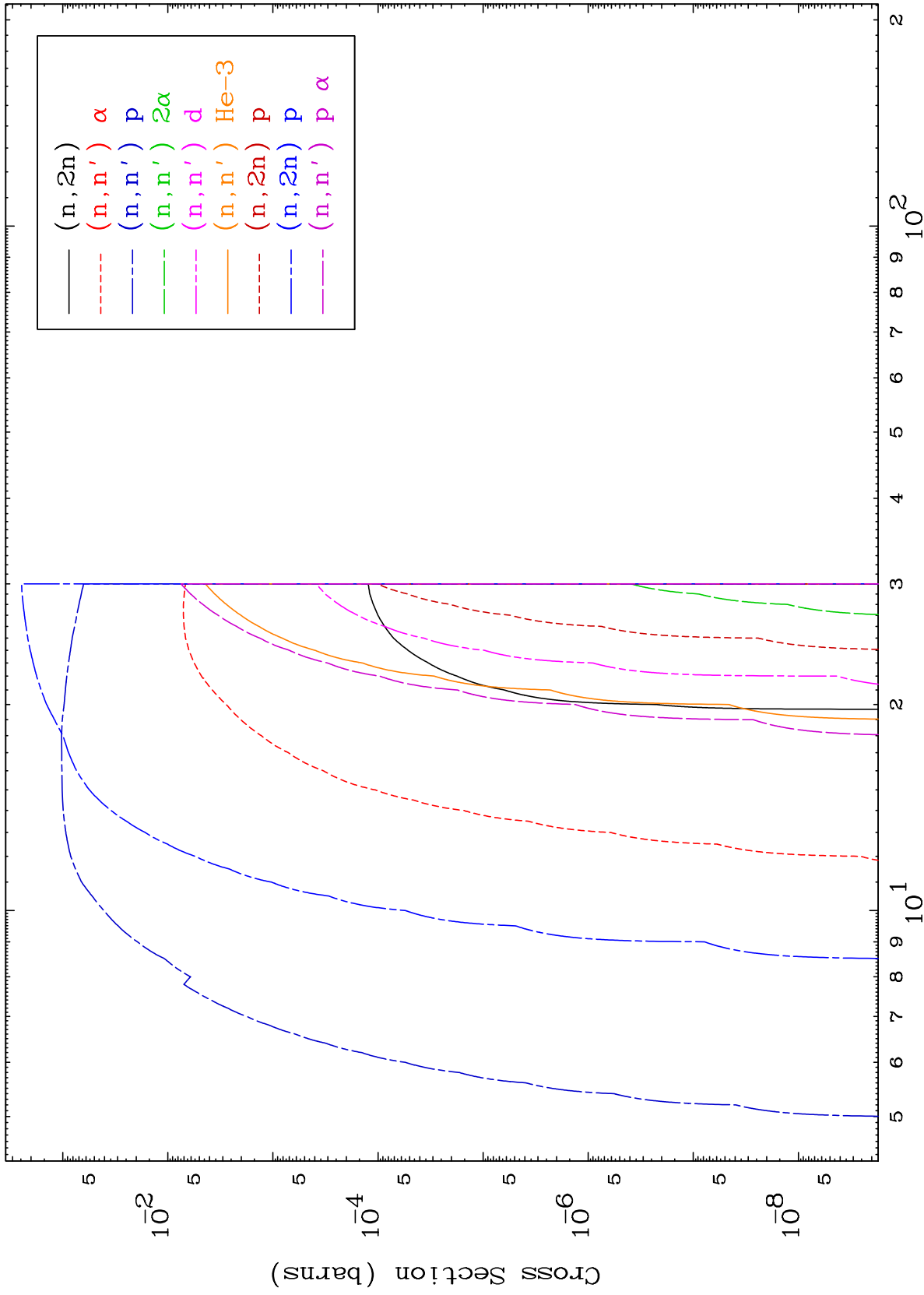
Press Mouse Button to Start



MAT 1619

Neutron Absorption
293 Kelvin Cross Sections

16-S -30



2

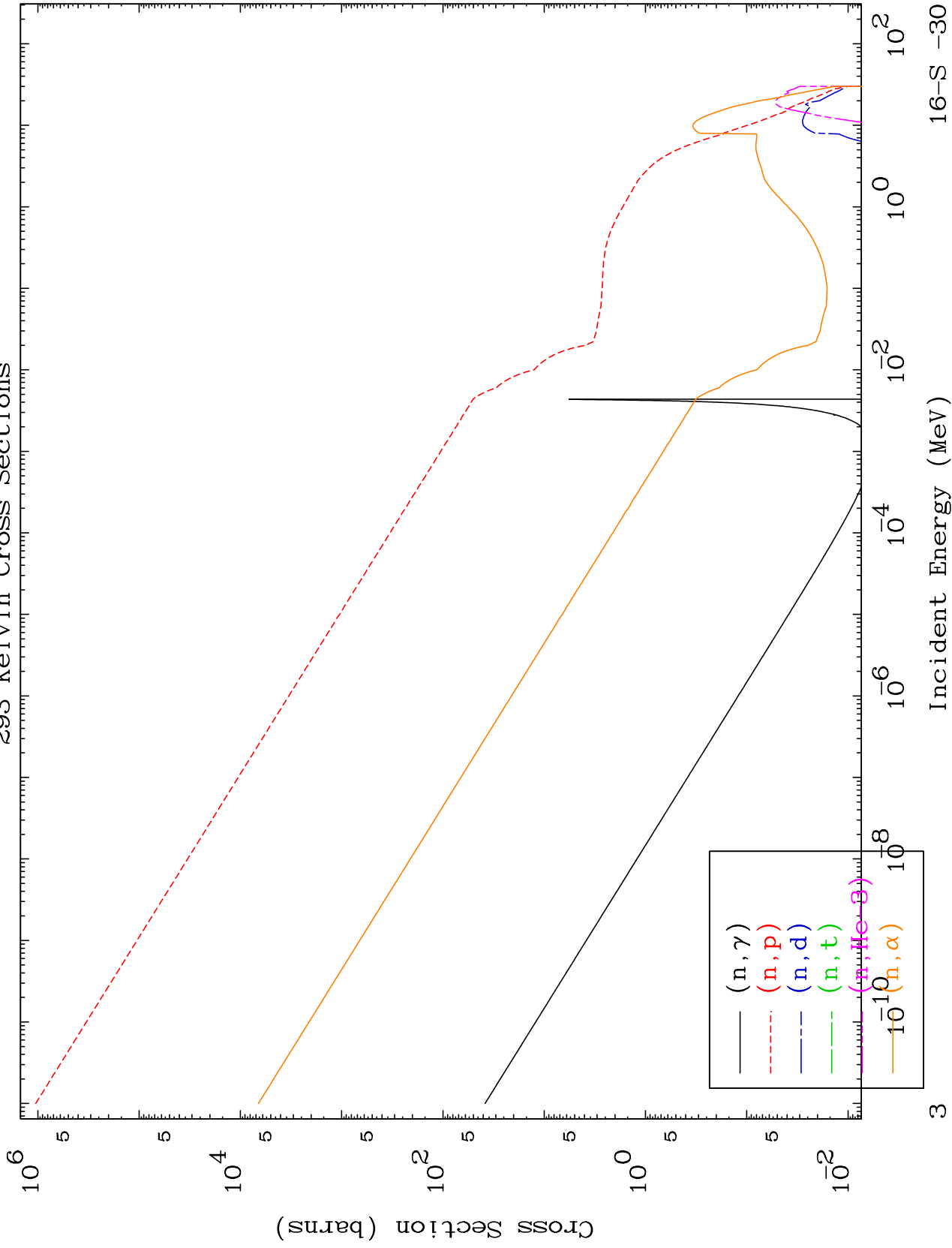
Incident Energy (MeV)

16-S -30

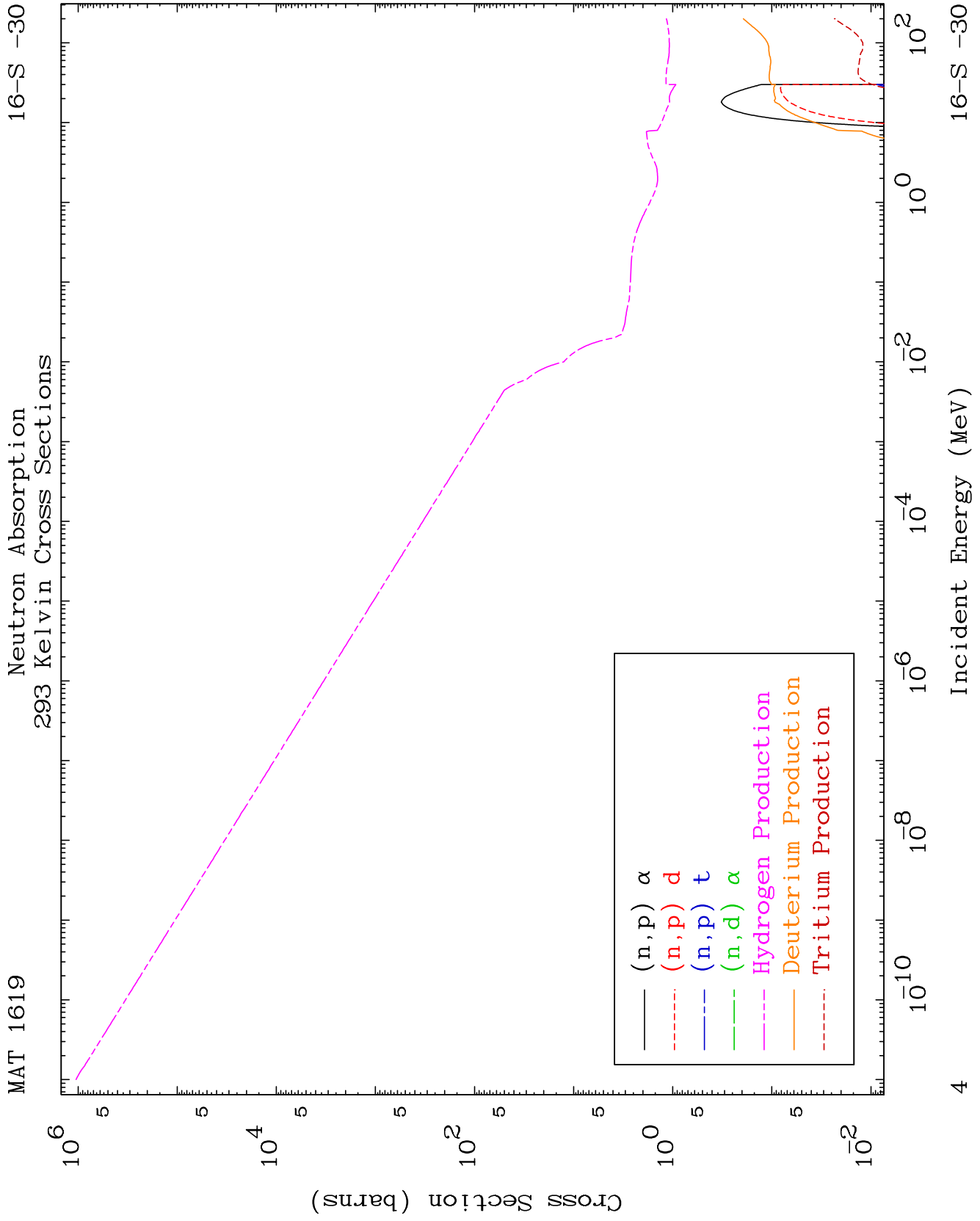
MAT 1619

Neutron Absorption
293 Kelvin Cross Sections

16-S -30



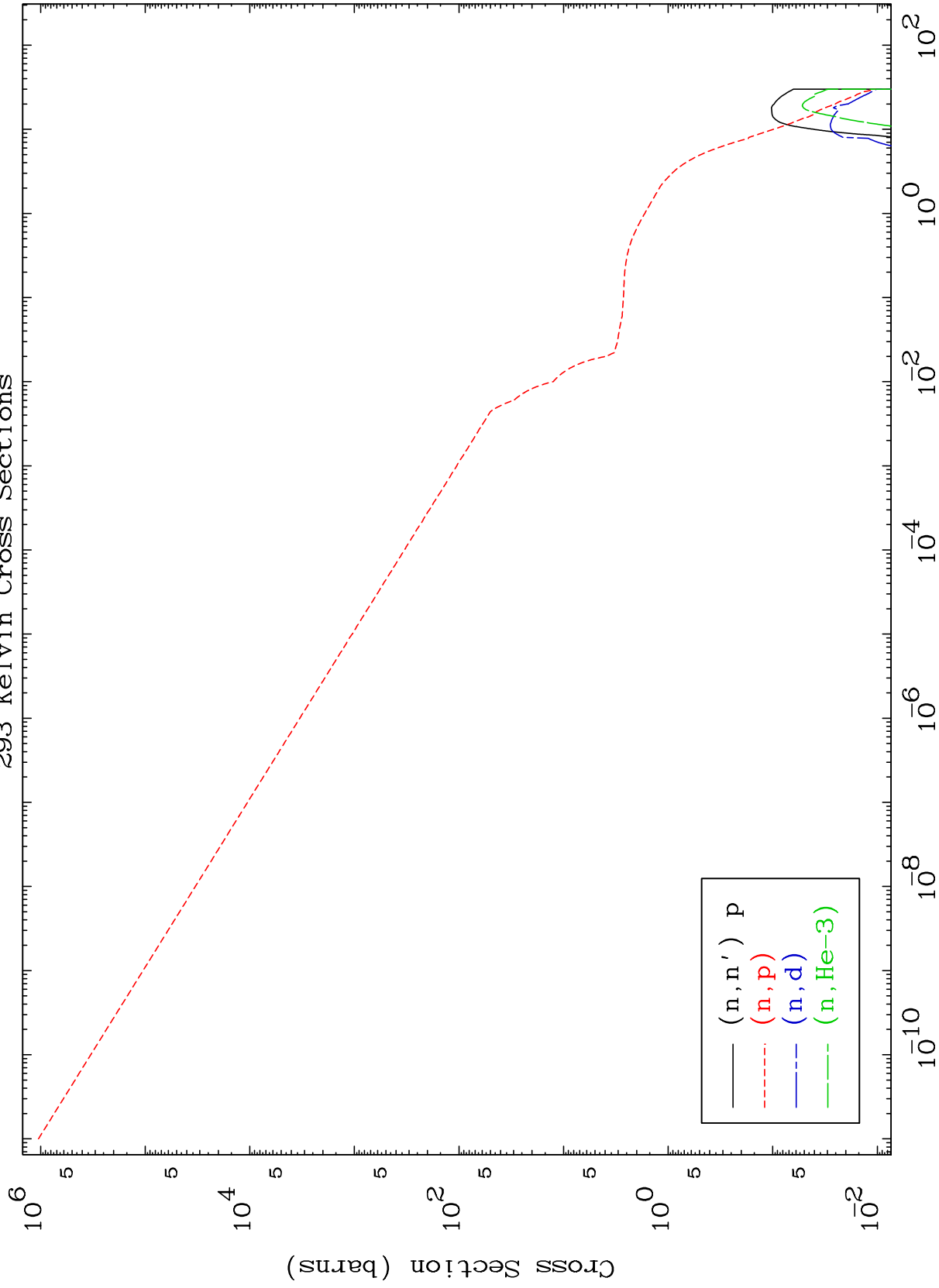
3



MAT 1619

Charged Particle
293 Kelvin Cross Sections

16-S -30



5

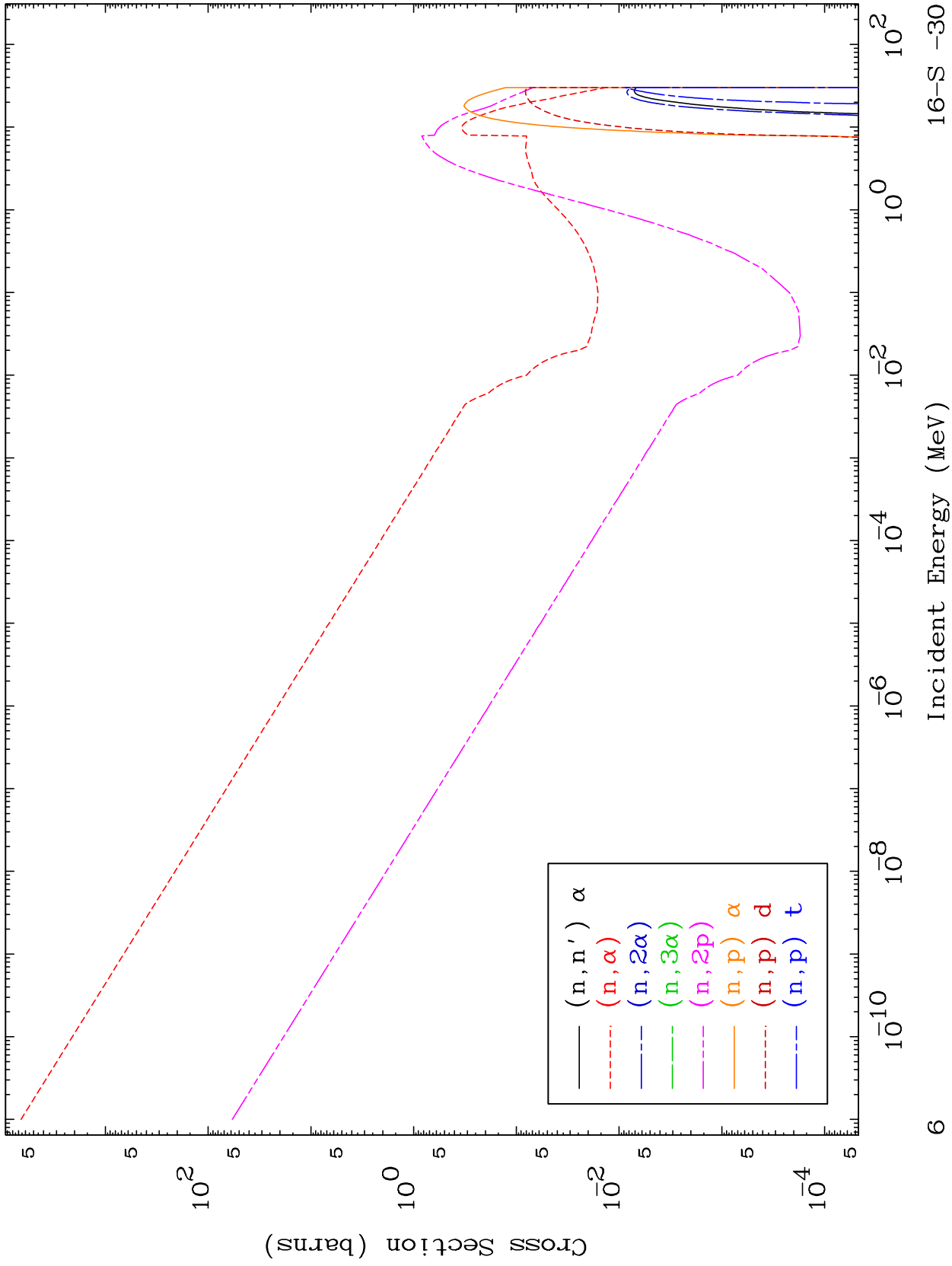
Incident Energy (MeV)

16-S -30

MAT 1619

293 Kelvin Cross Sections

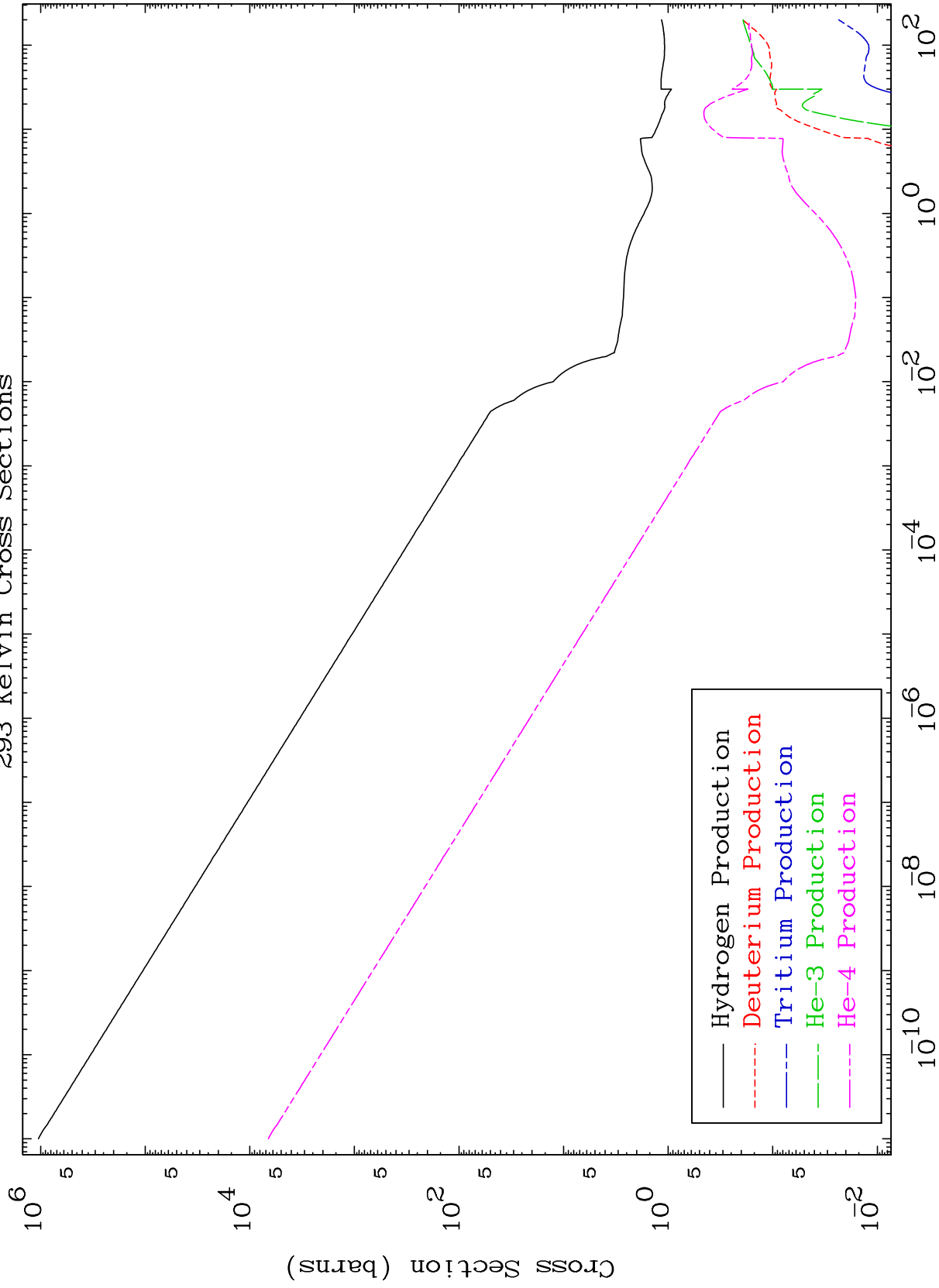
16-S -30



MAT 1619

Particle Production
293 Kelvin Cross Sections

16-S -30

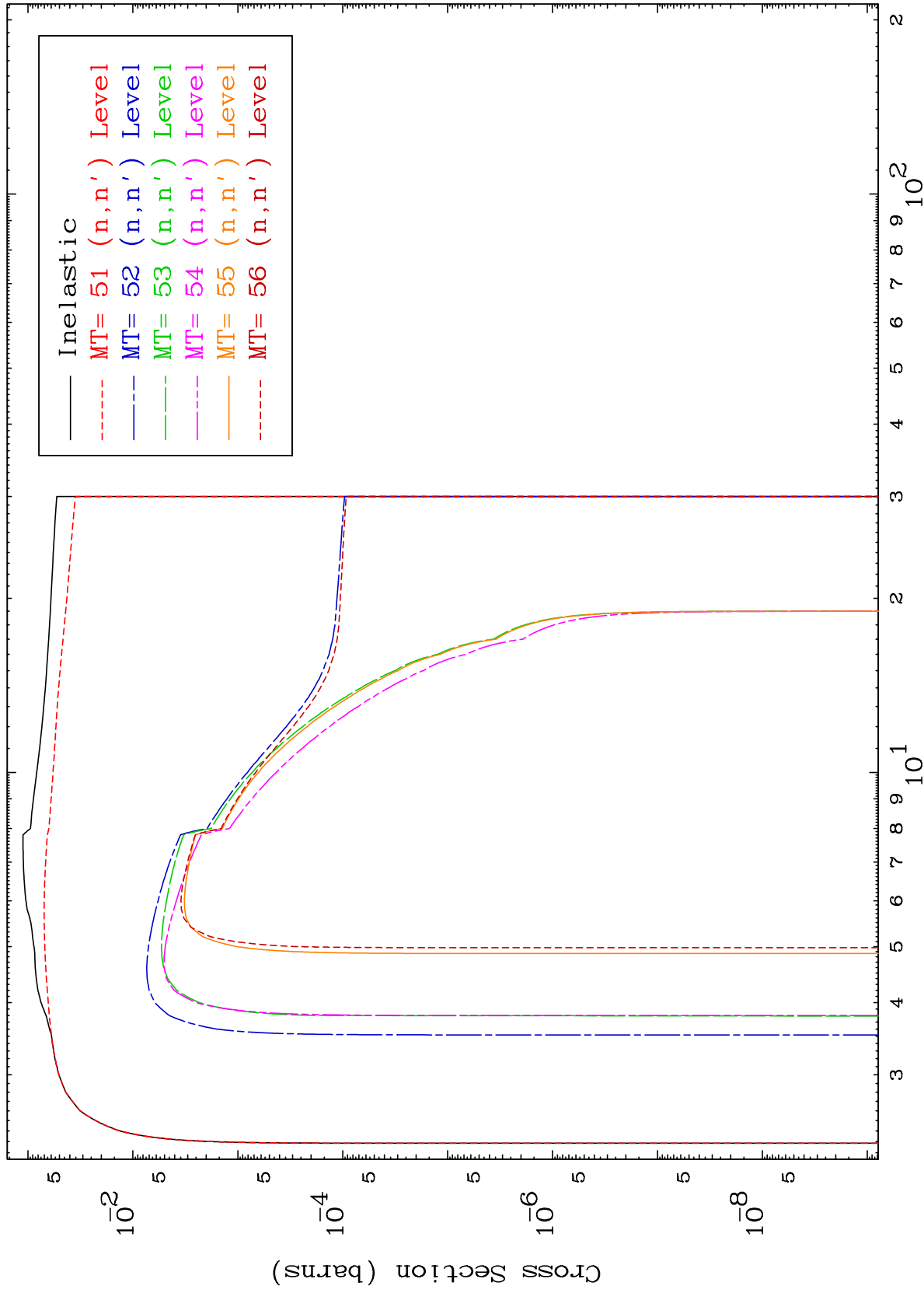


MAT 1619

(n,n') Levels

293 Kelvin Cross Sections

16-S -30



8

Incident Energy (MeV)

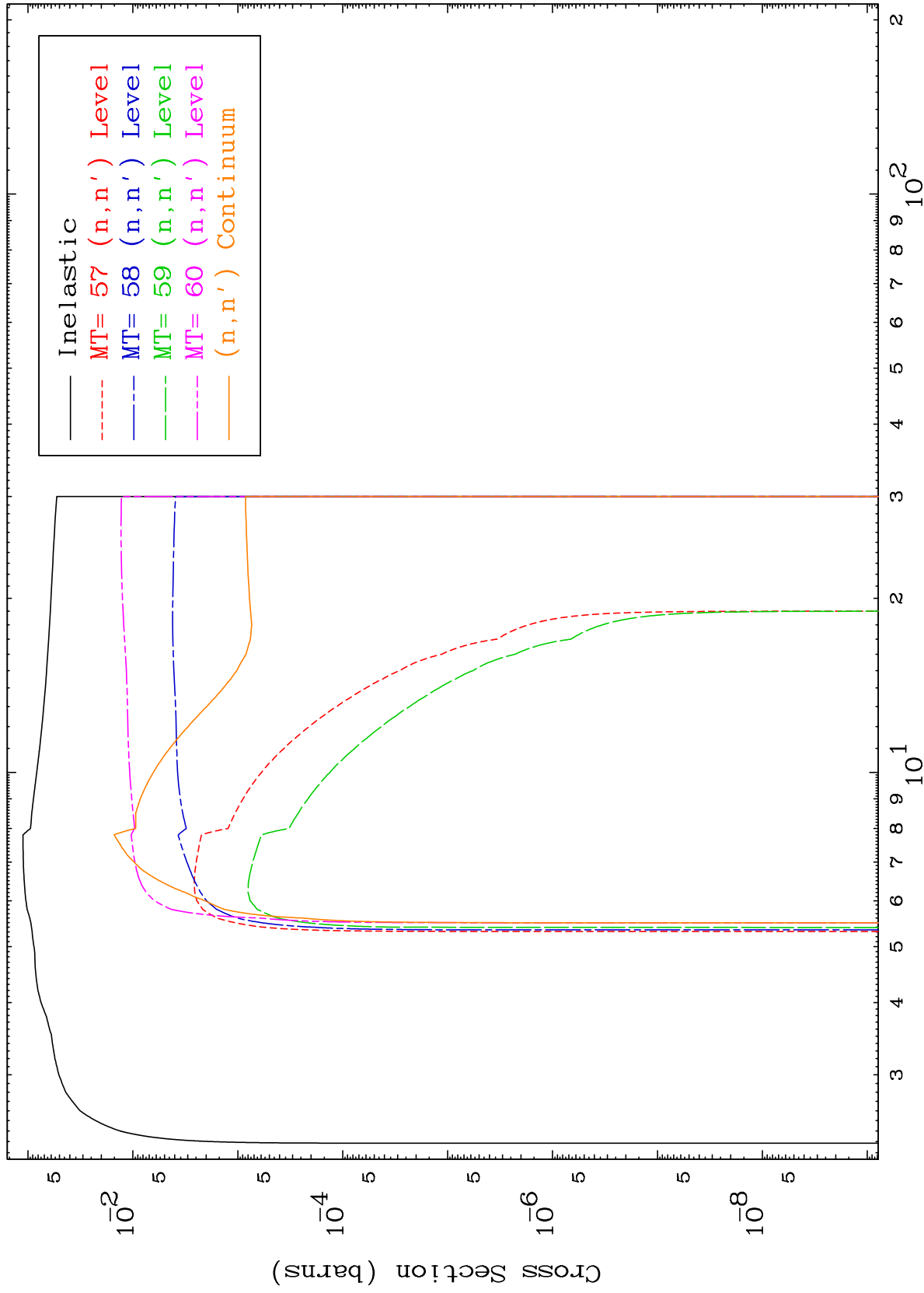
16-S -30

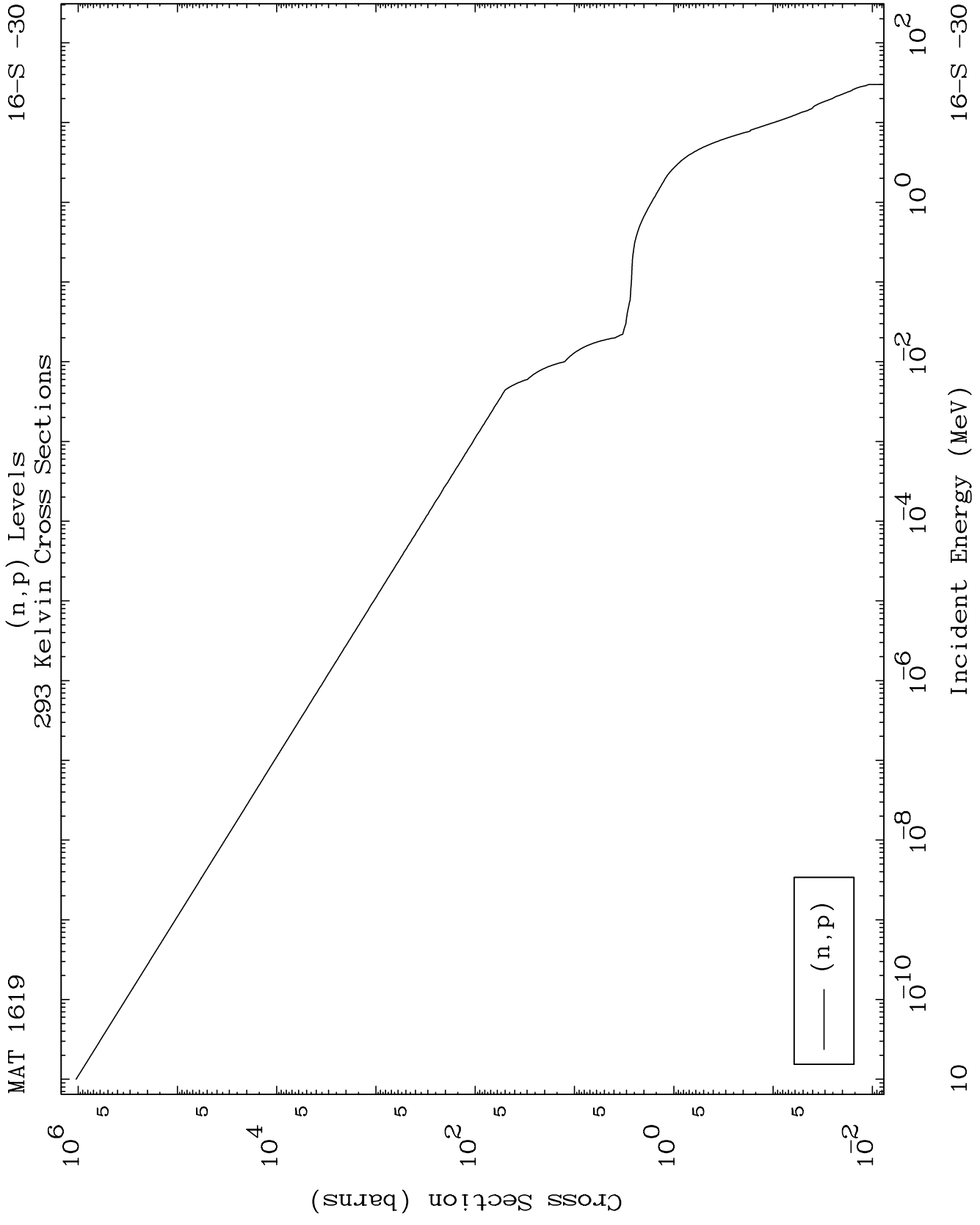
MAT 1619

(n,n') Levels

293 Kelvin Cross Sections

16-S -30

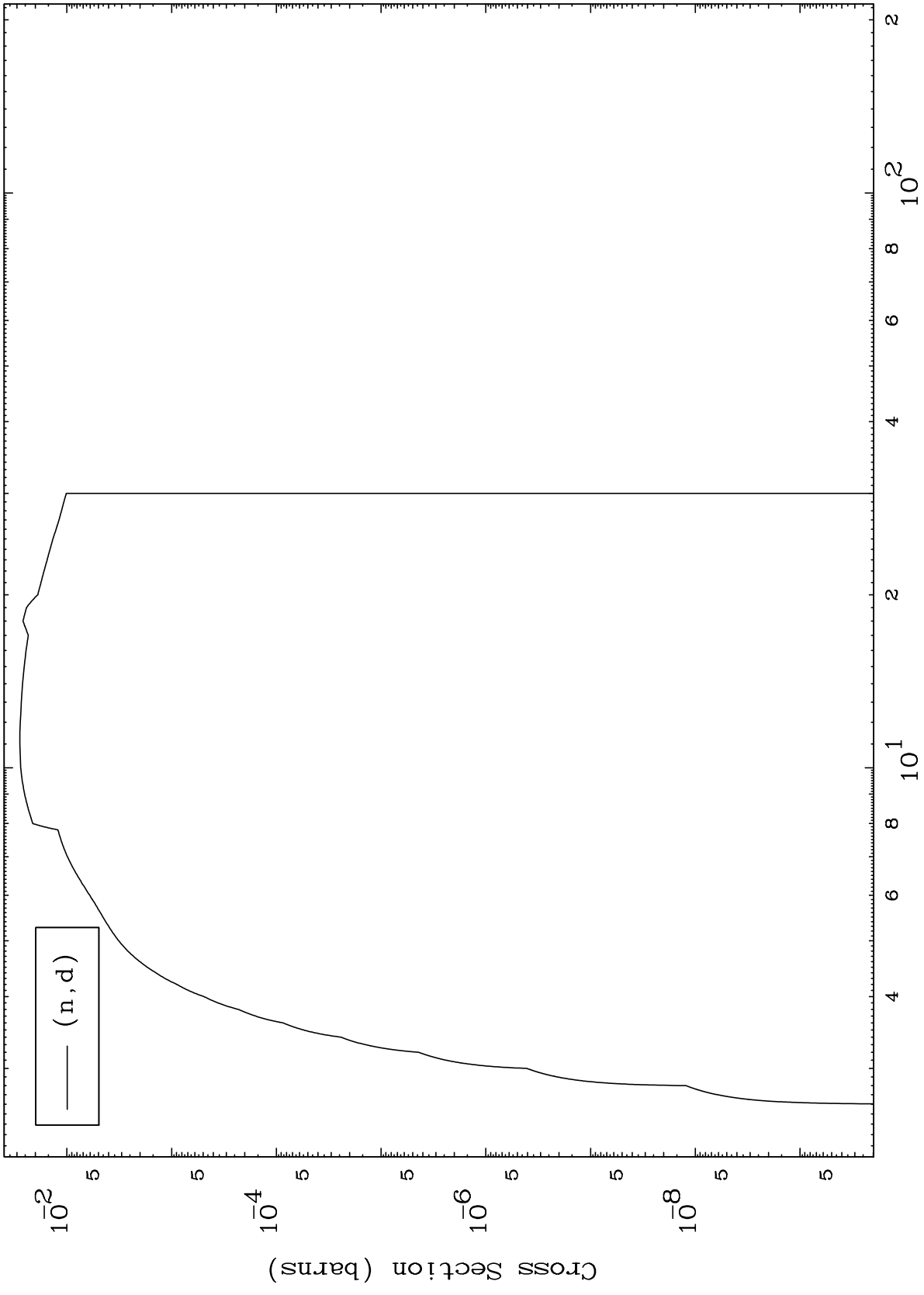




MAT 1619

(n,d) Levels
293 Kelvin Cross Sections

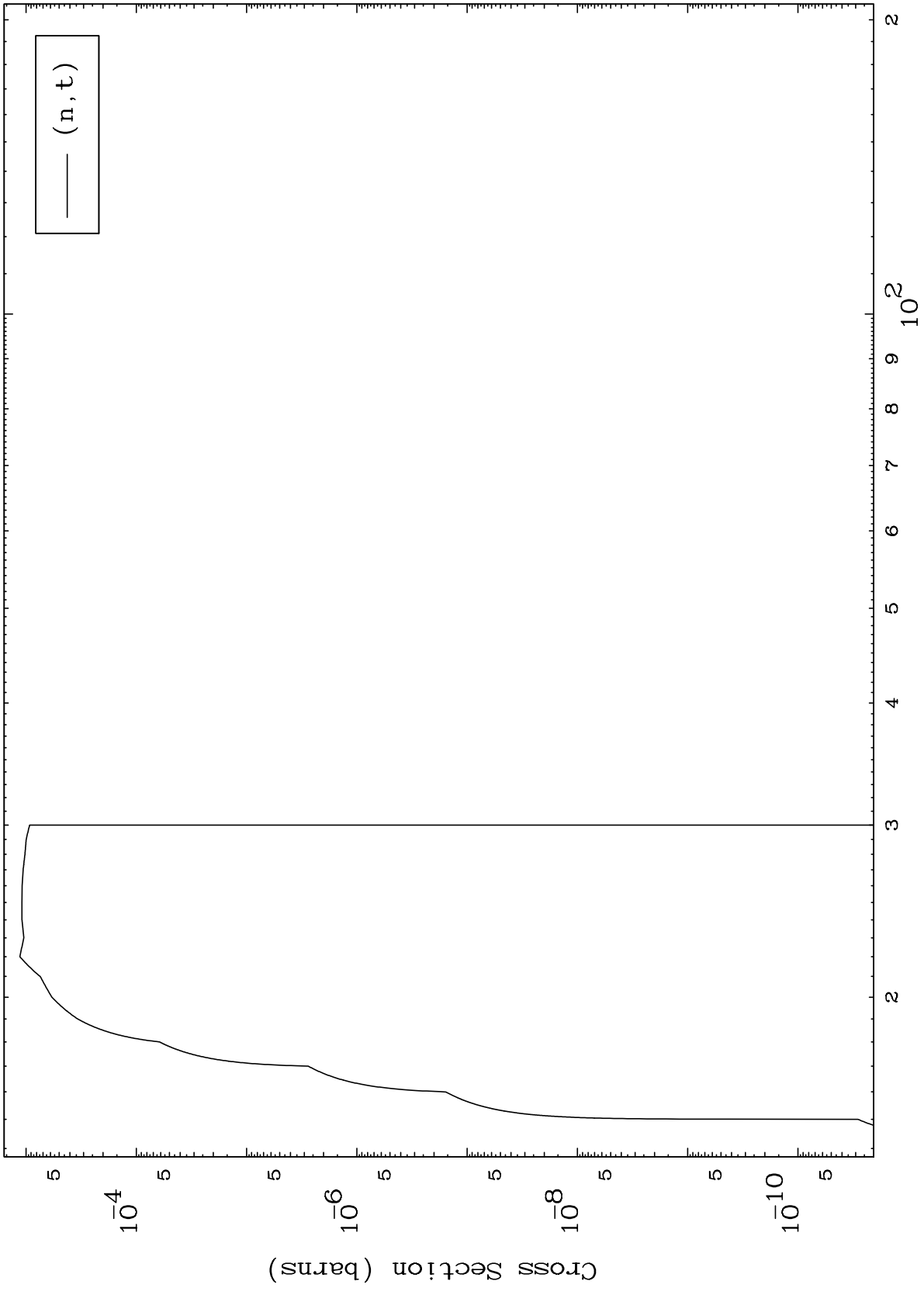
16-S -30



MAT 1619

(n,t) Levels
293 Kelvin Cross Sections

16-S -30



12

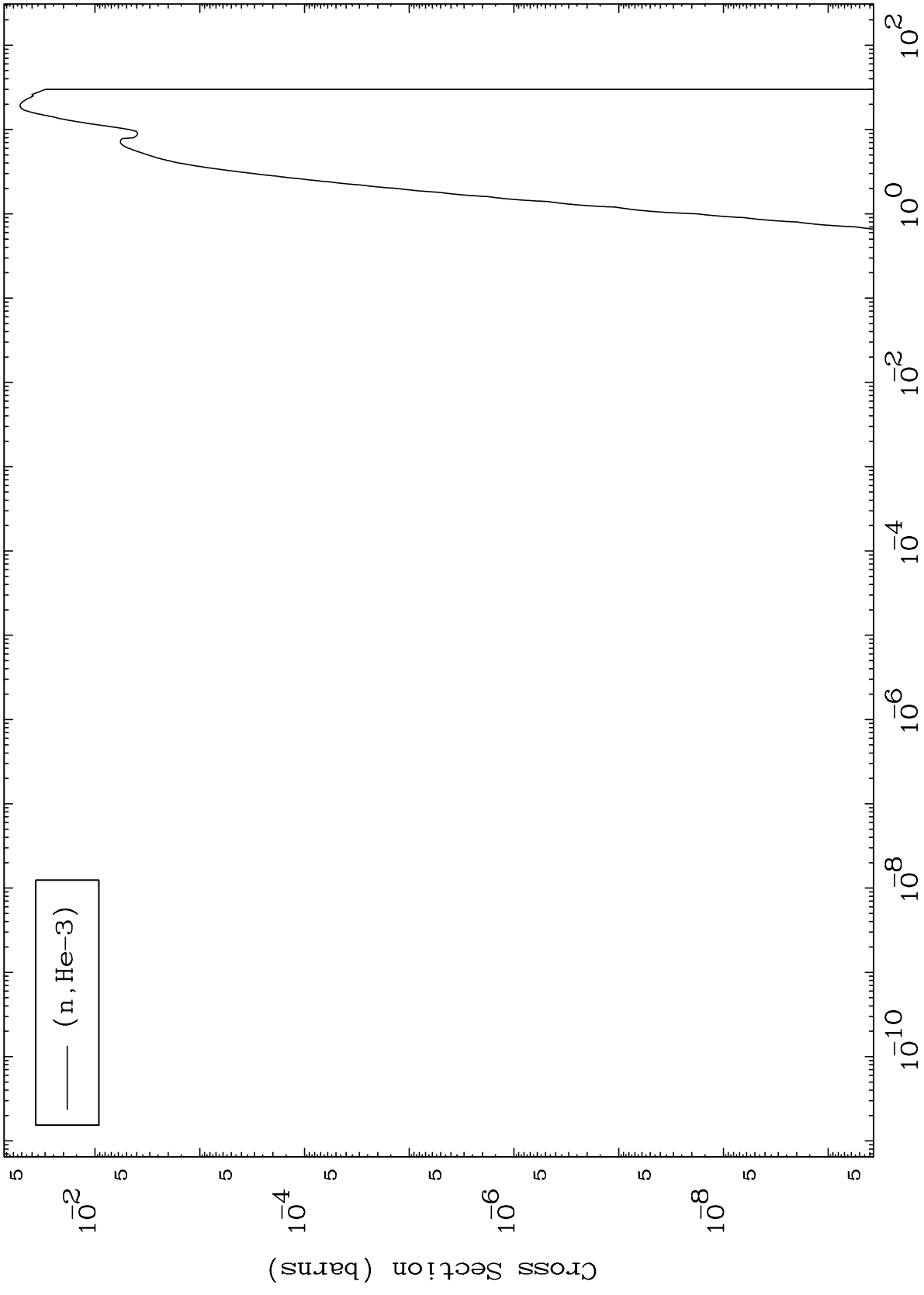
Incident Energy (MeV)

16-S -30

MAT 1619

(n,He3) Levels
293 Kelvin Cross Sections

16-S -30



13

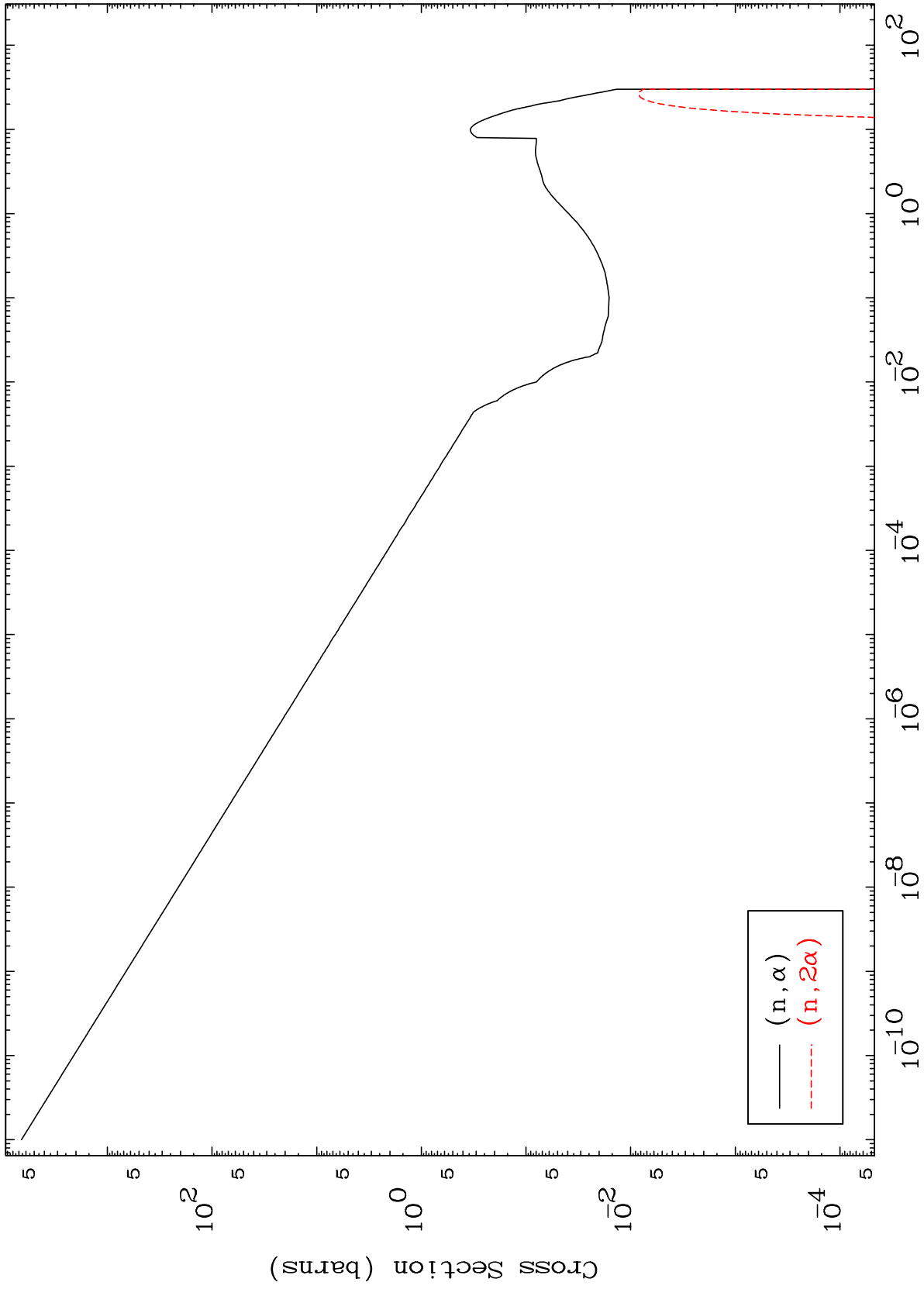
Incident Energy (MeV)

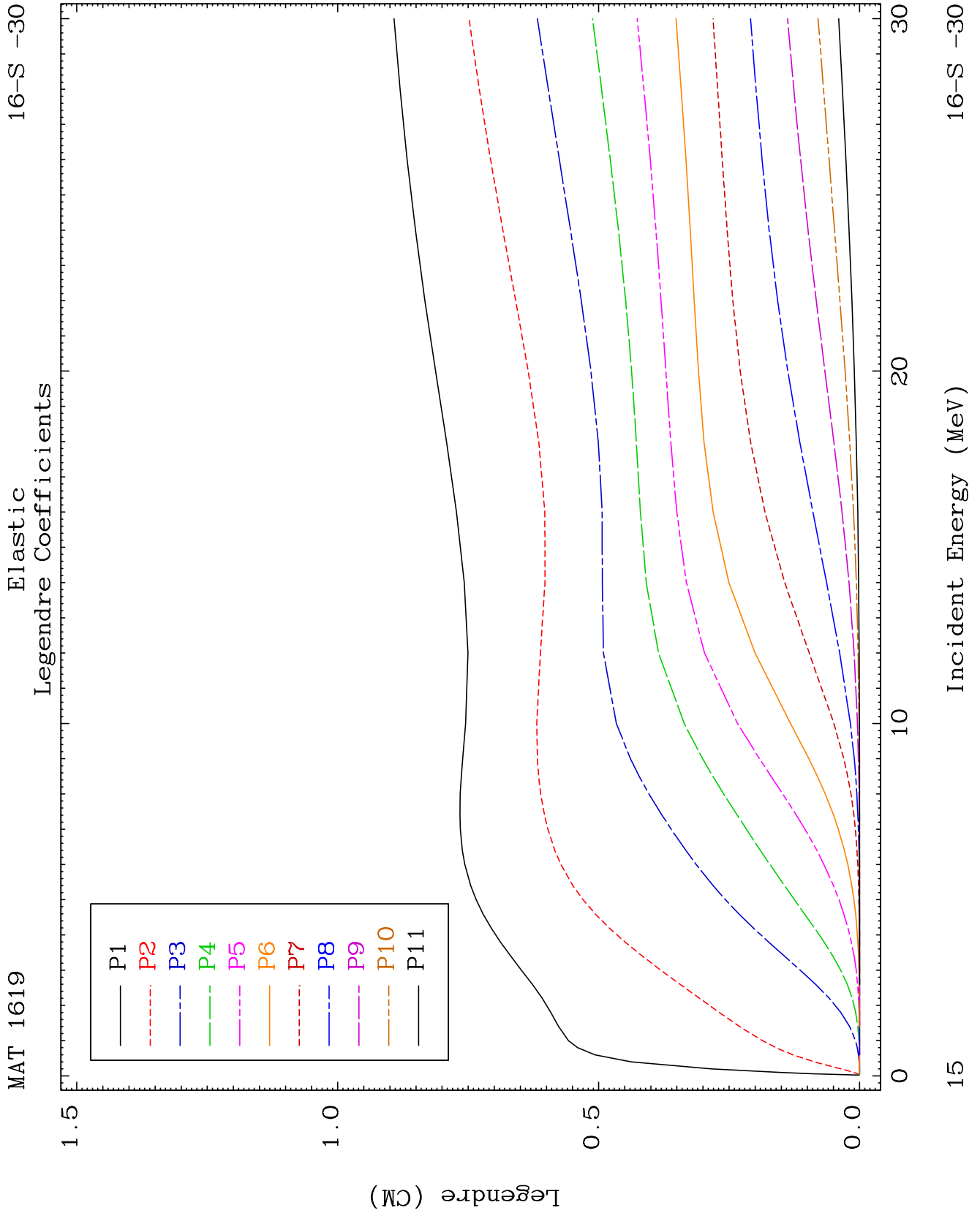
16-S -30

MAT 1619

(n, α) Levels
293 Kelvin Cross Sections

16-S -30

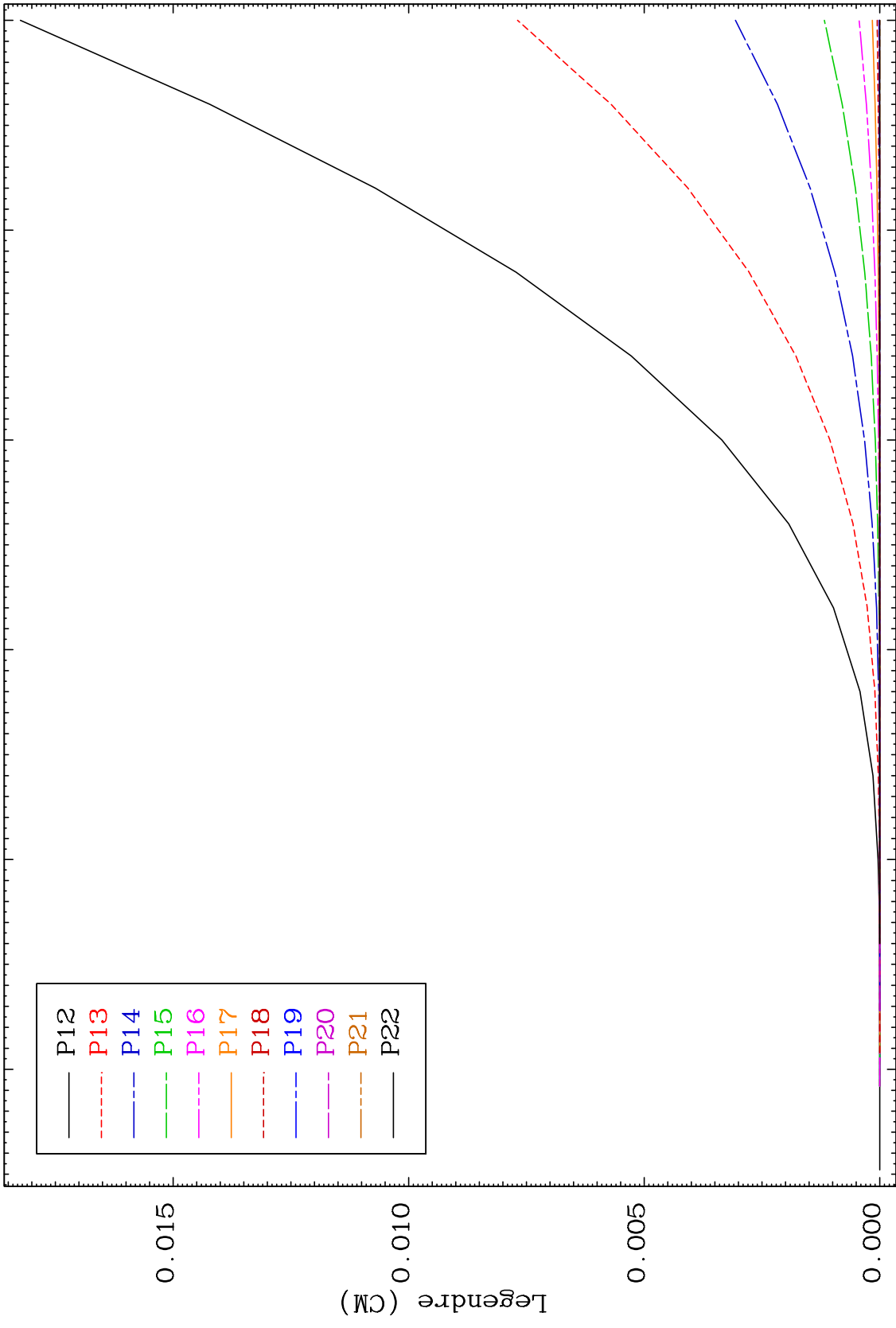




MAT 1619

Elastic Legendre Coefficients

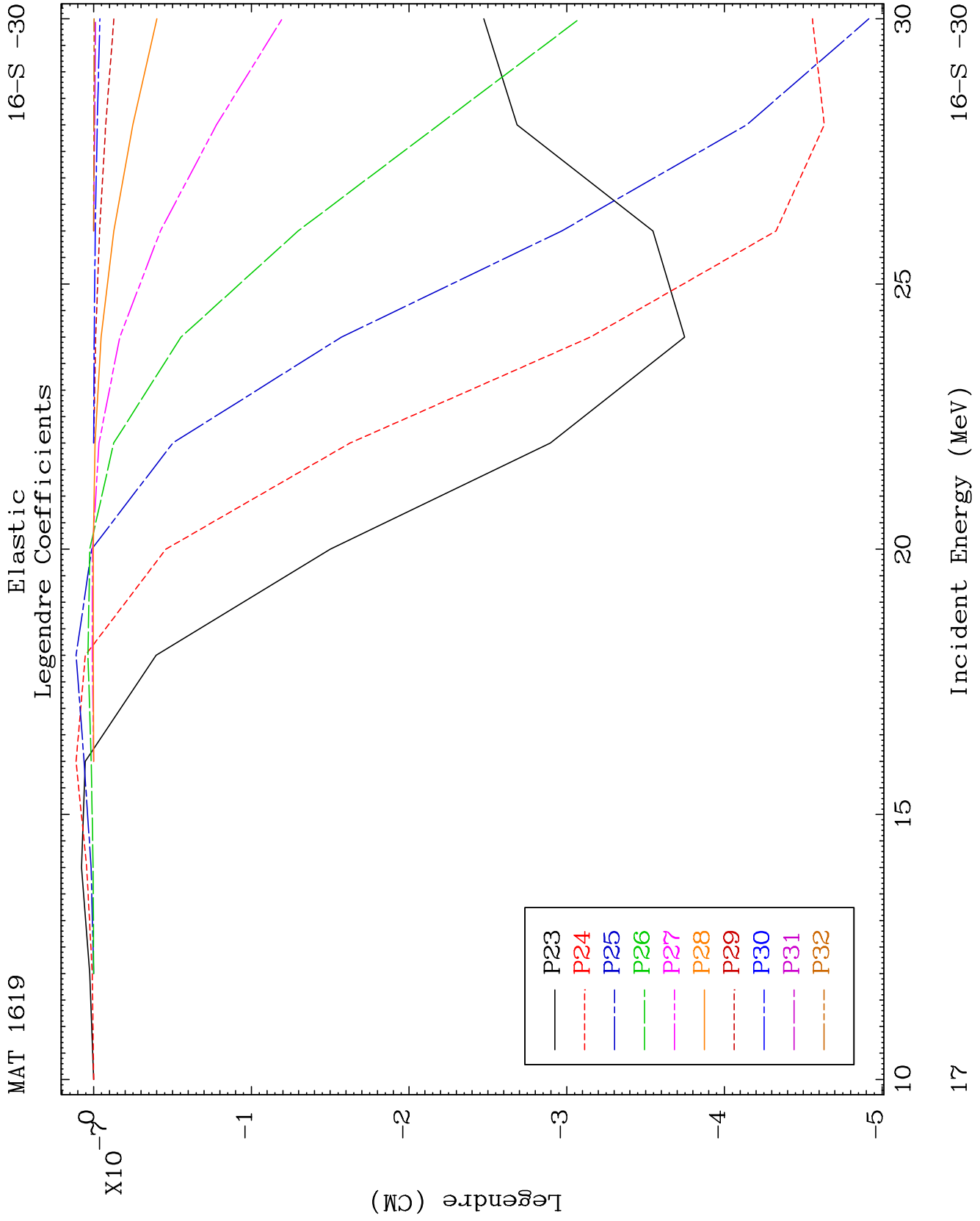
16-S -30



16

Incident Energy (MeV)

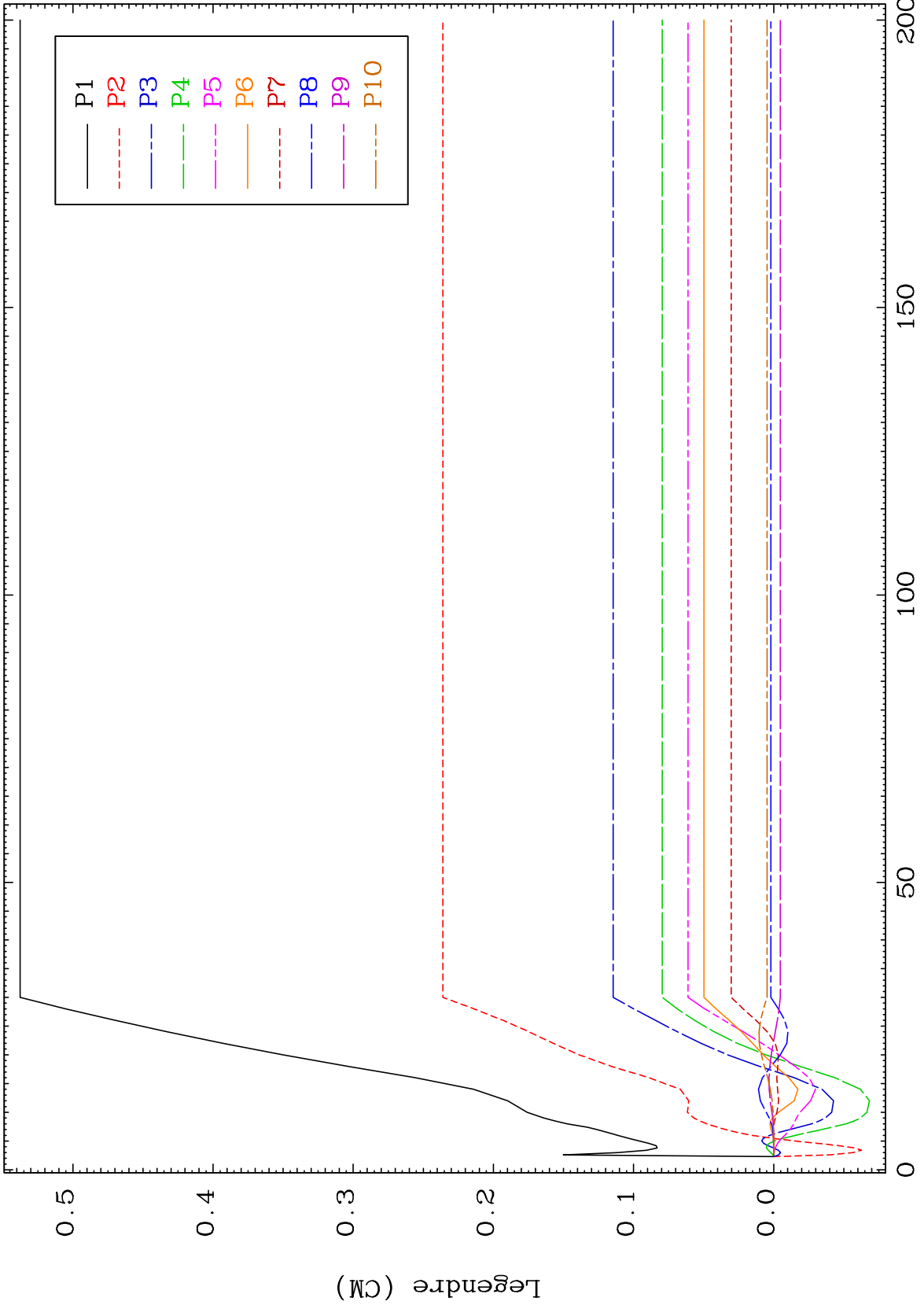
16-S -30



MAT 1619 MT= 51 (n,n') Level Legendre Coefficients

16-S -30

16-S -30

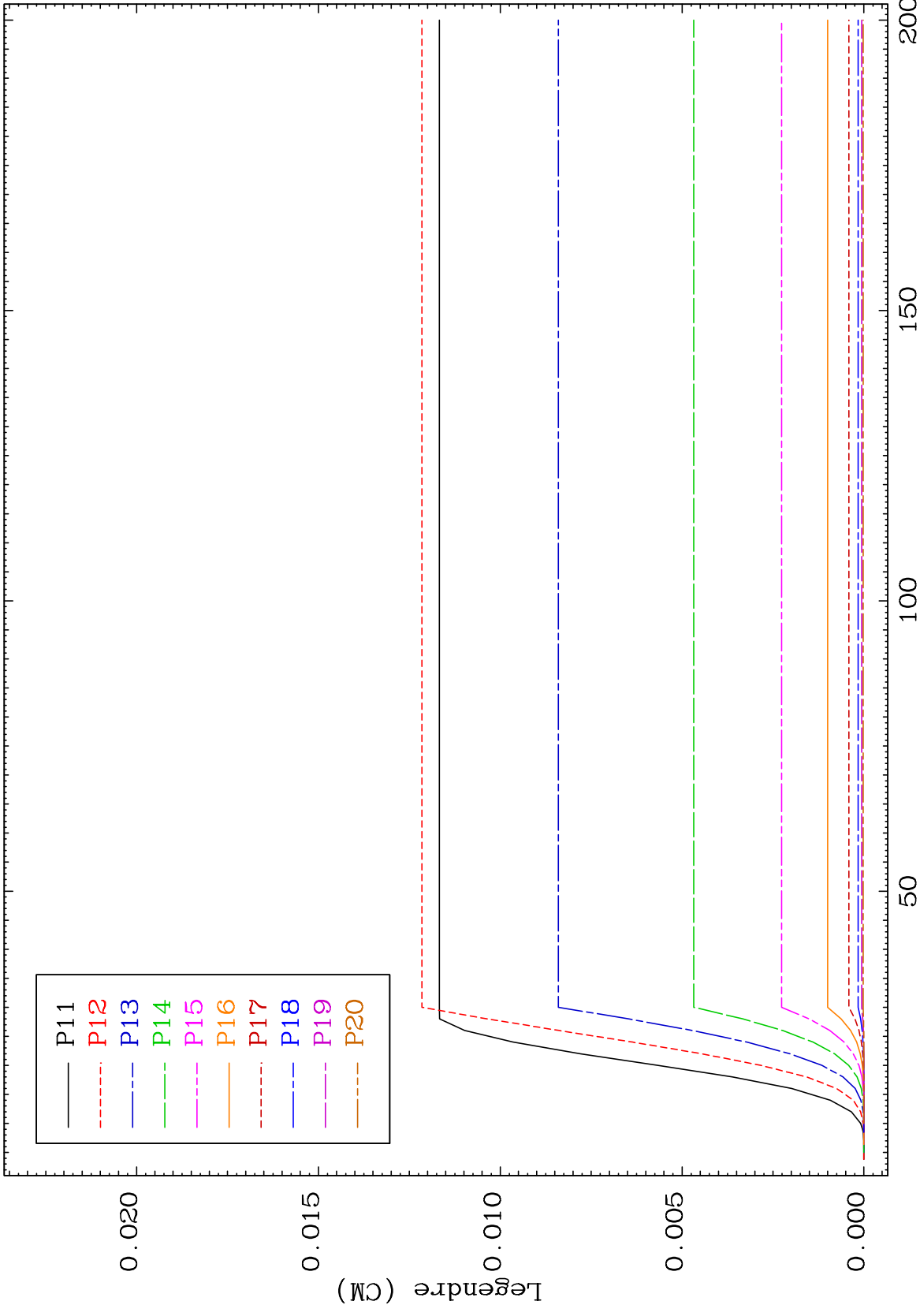


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MAT 1619

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

16-S -30

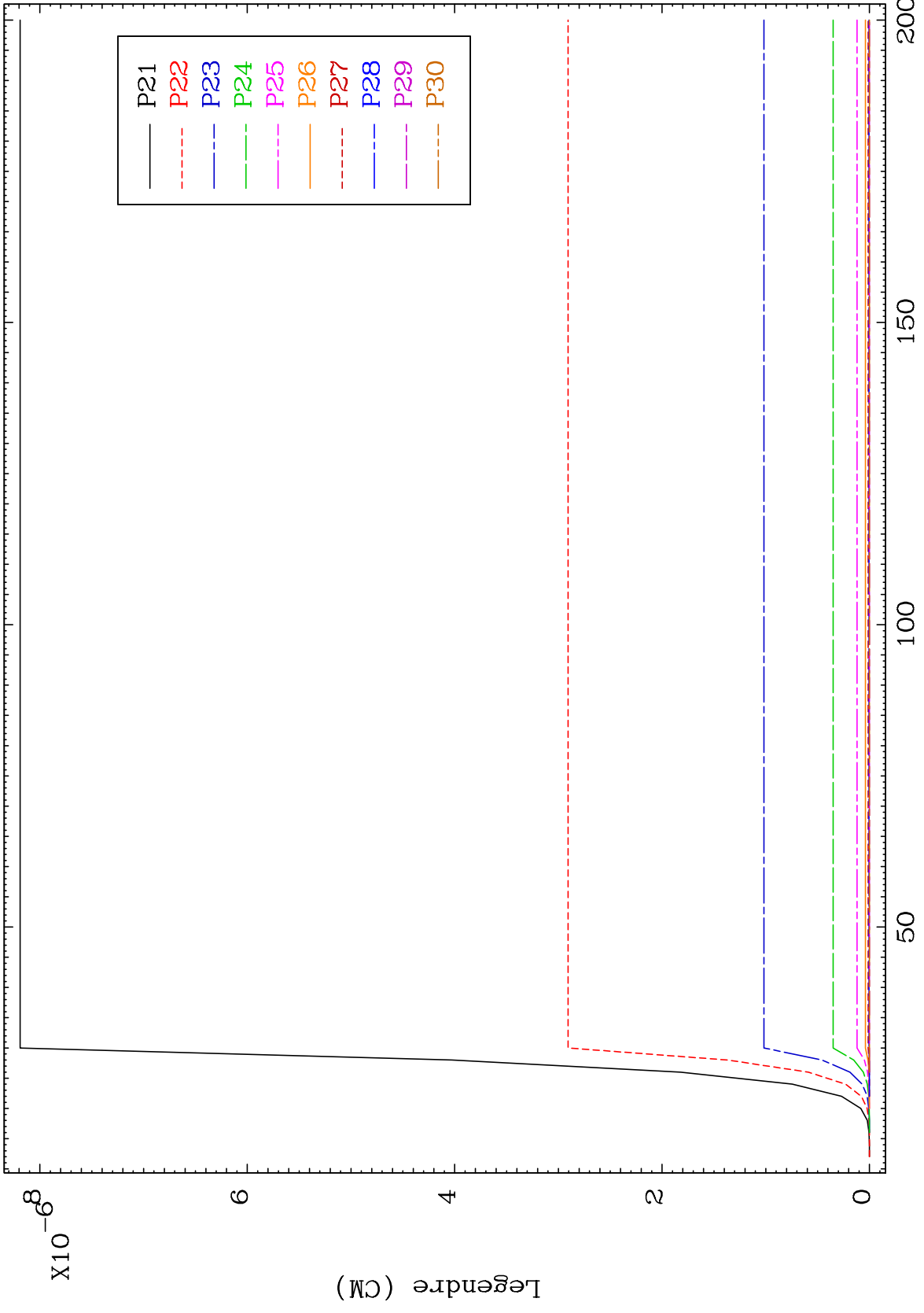


19

Incident Energy (MeV)

16-S -30

MAT 1619 MT= 51 (n,n') Level Legendre Coefficients 16-S -30

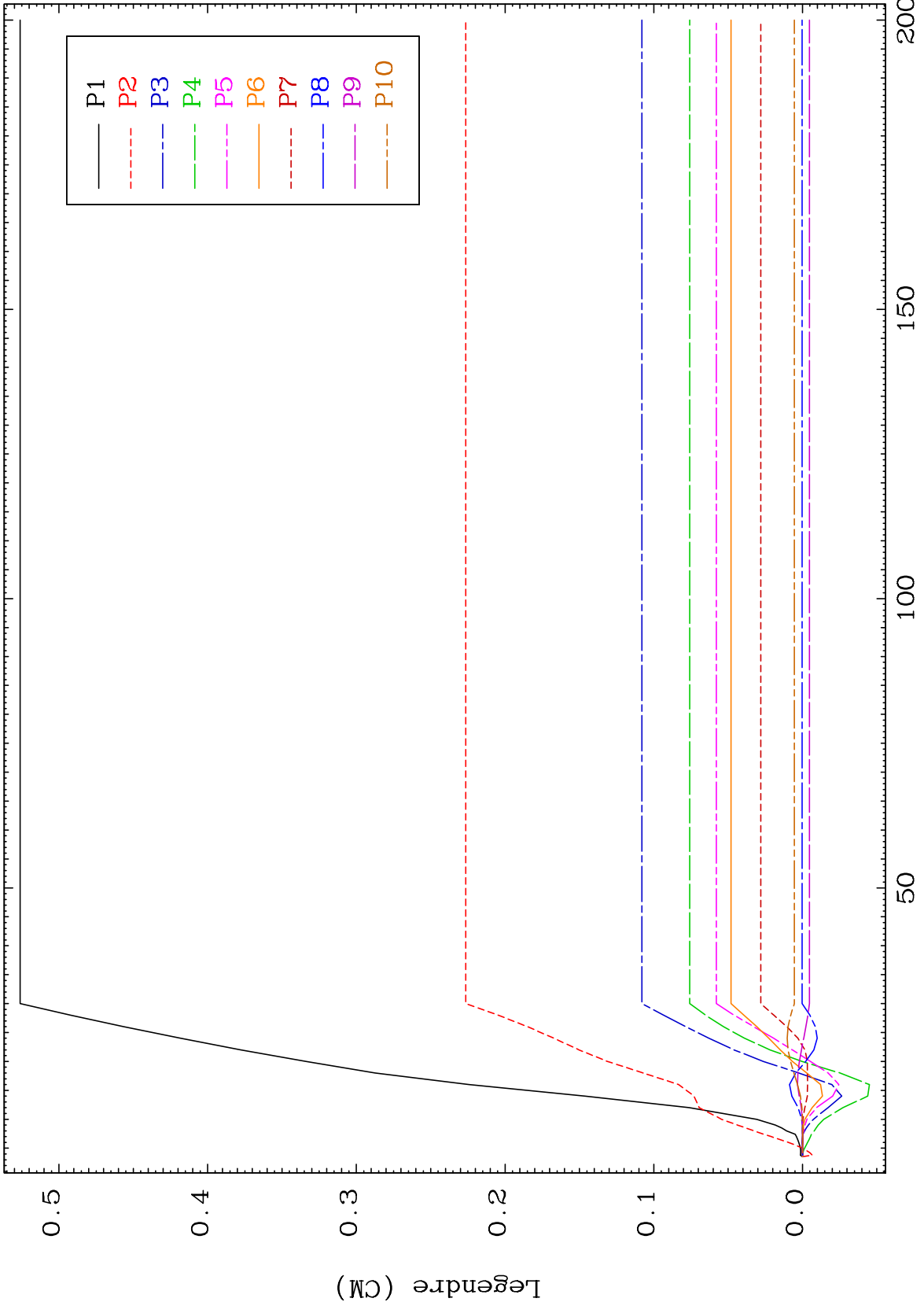


Incident Energy (MeV) 16-S -30

MAT 1619 MT= 52 (n,n') Level Legendre Coefficients

16-S -30

16-S -30

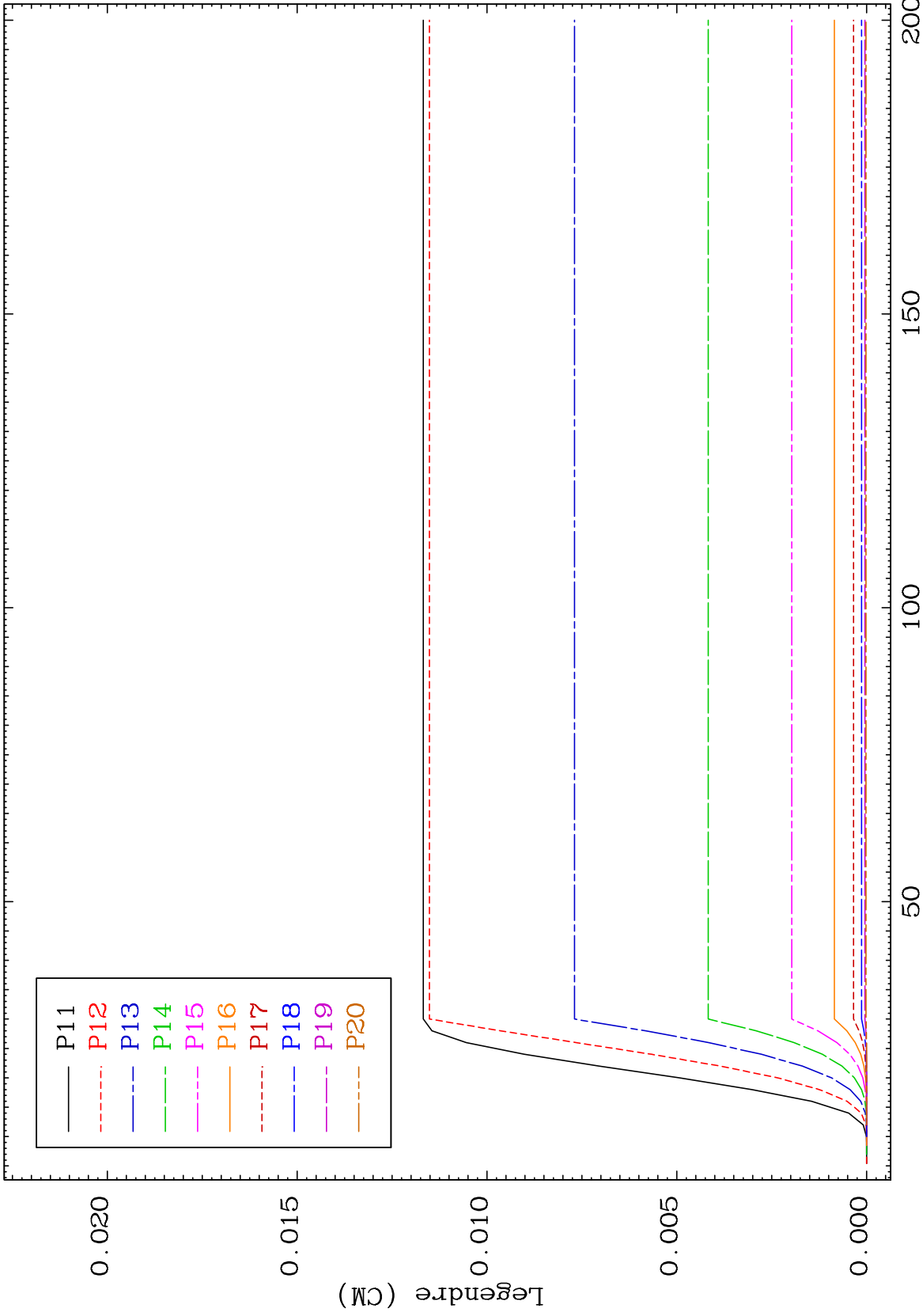


21

MAT 1619

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

16-S -30

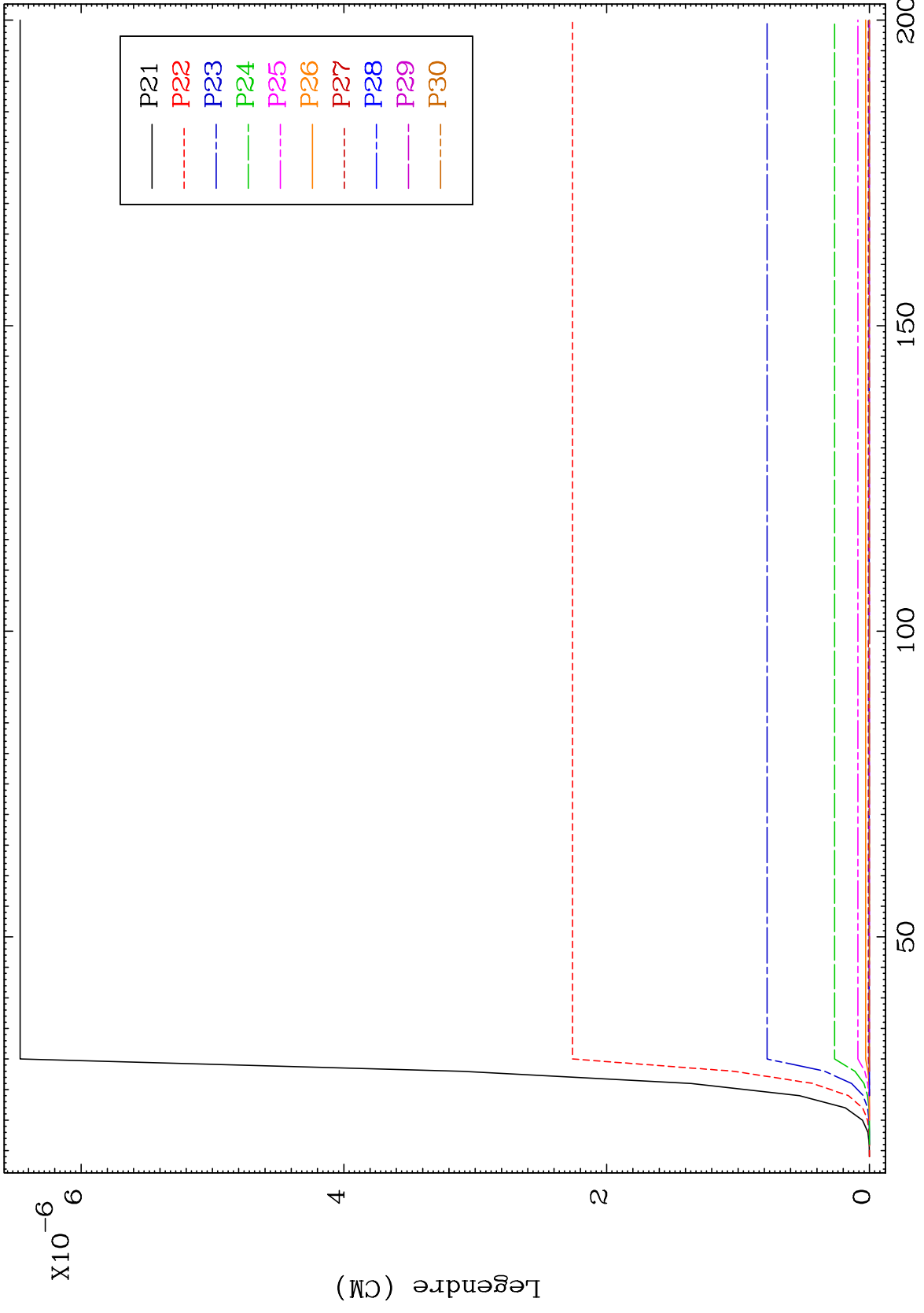


22

Incident Energy (MeV)

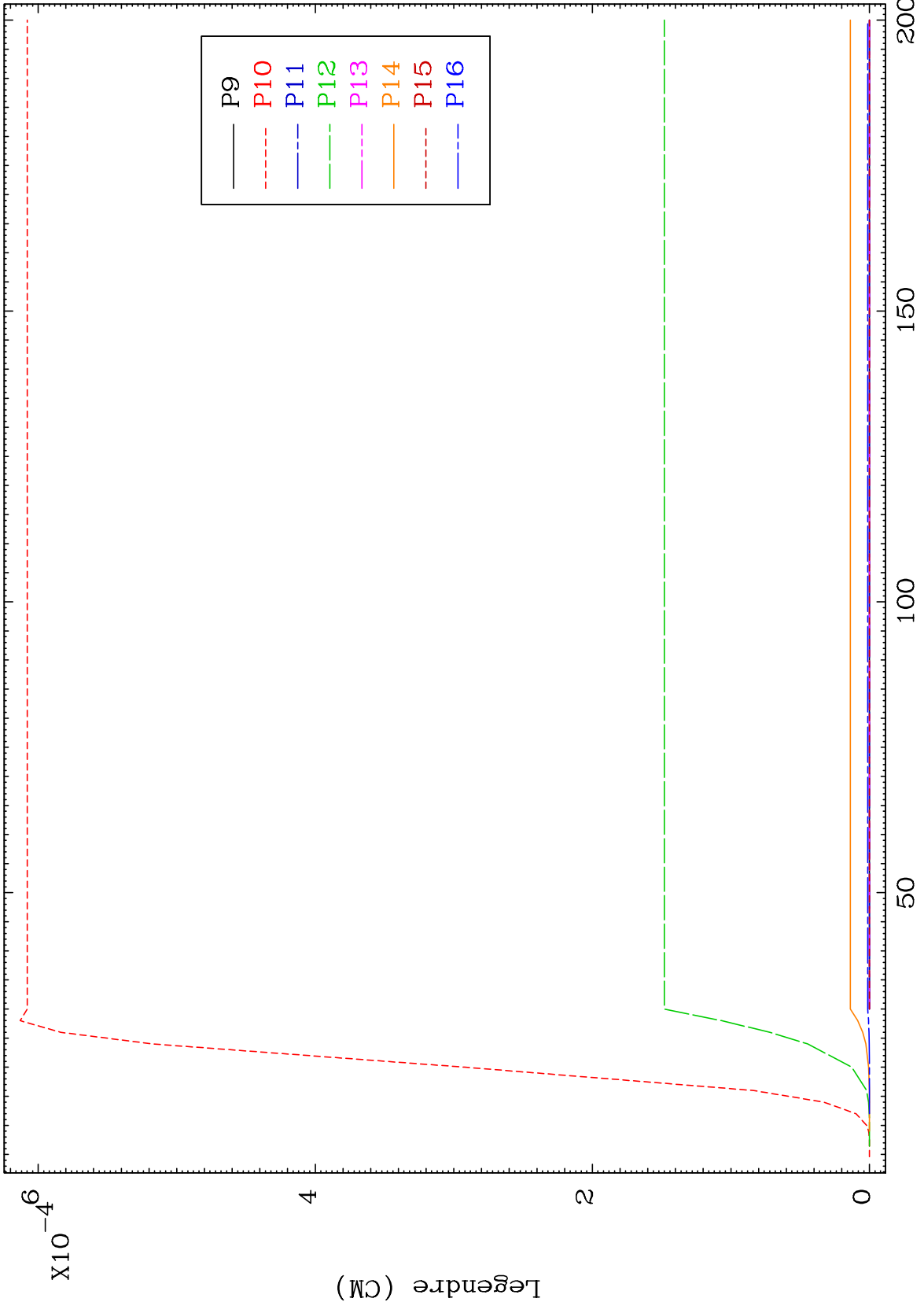
16-S -30

MAT 1619 MT= 52 (n,n') Level Legendre Coefficients 16-S -30



23 Incident Energy (MeV) 16-S -30

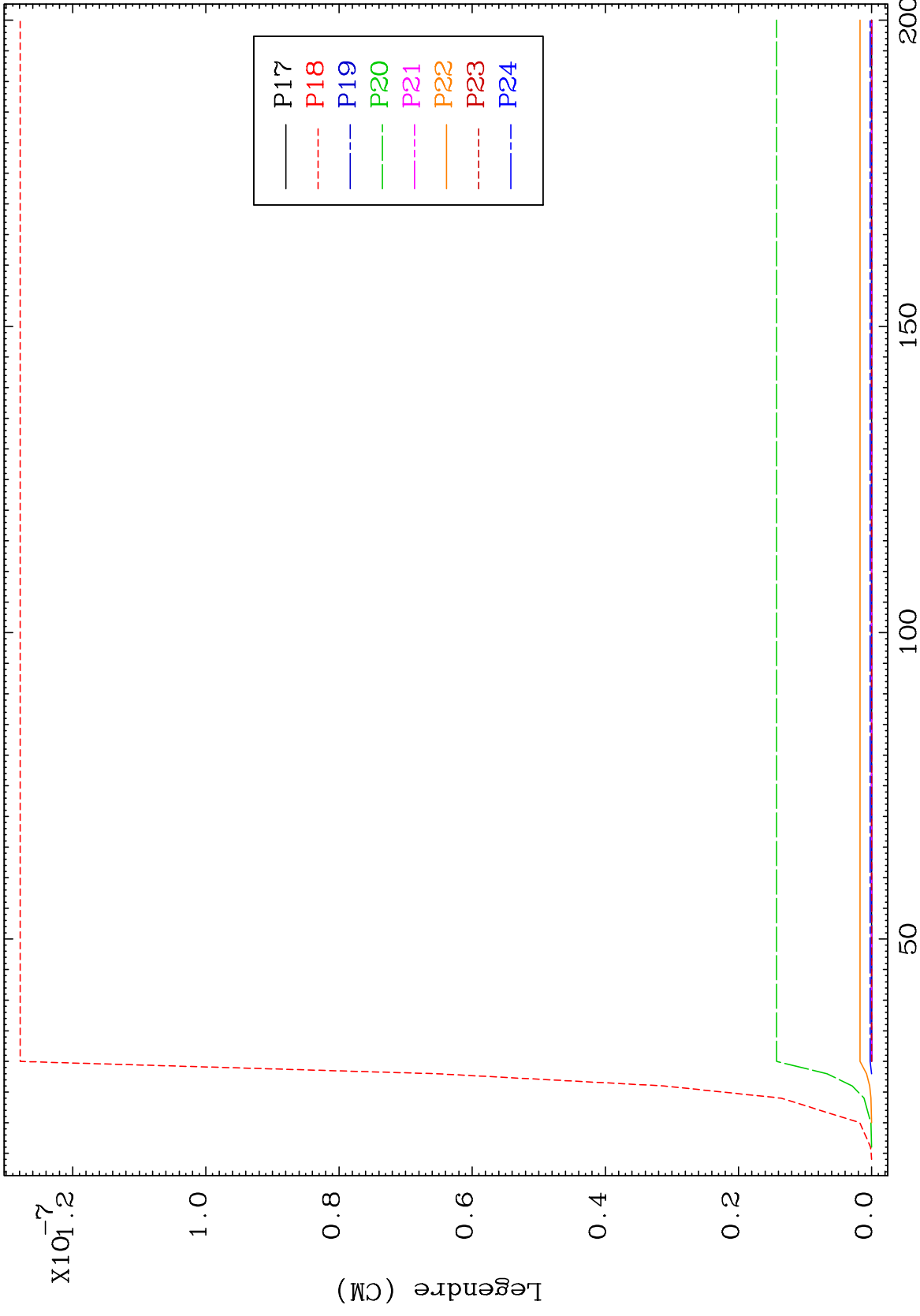
MAT 1619 MT= 53 (n,n') Level Legendre Coefficients 16-S -30



Incident Energy (MeV) 16-S -30

MAT 1619 MT= 53 (n,n') Level Legendre Coefficients

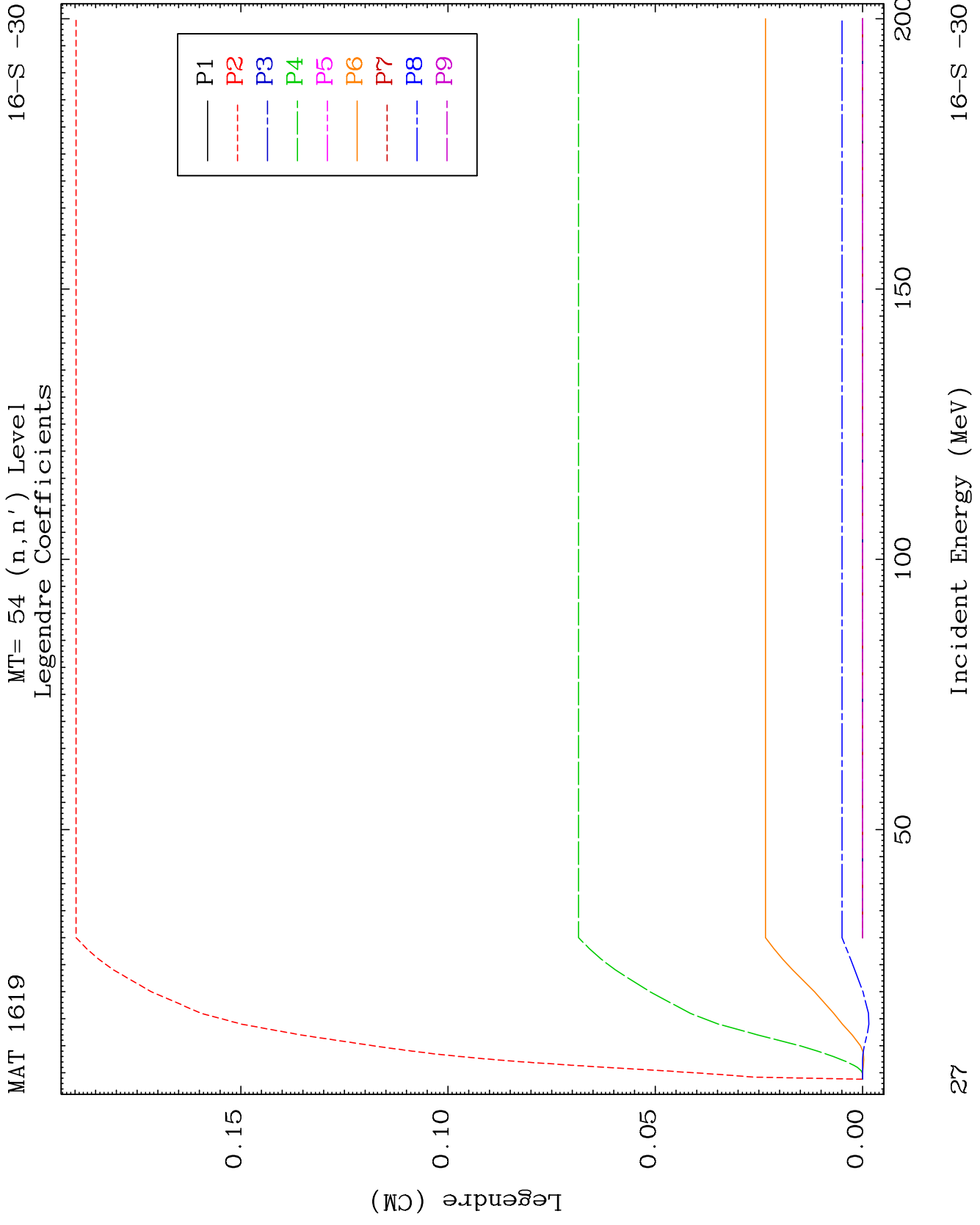
16-S -30



16-S -30

Incident Energy (MeV)

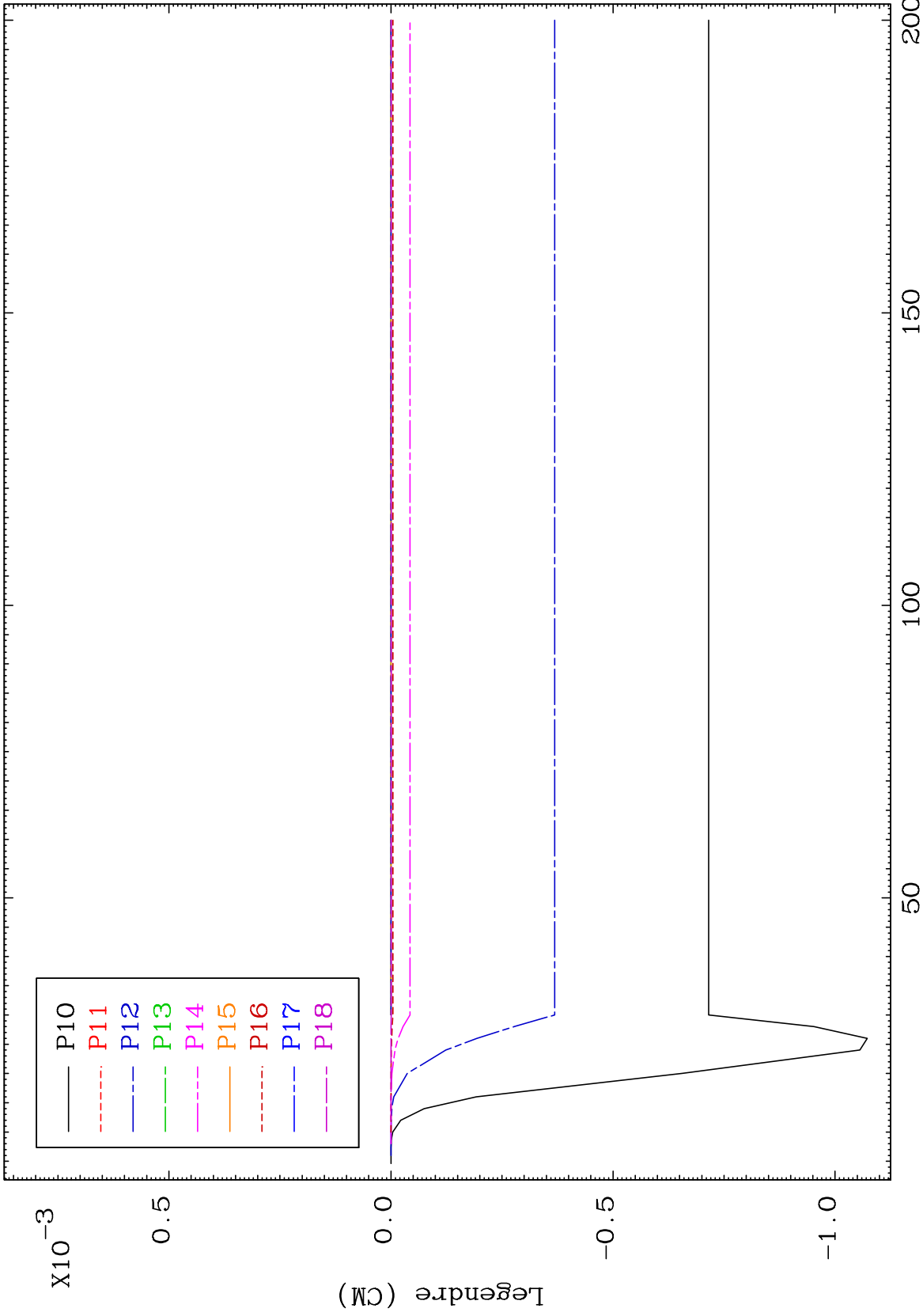
26



MAT 1619

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

16-S -30

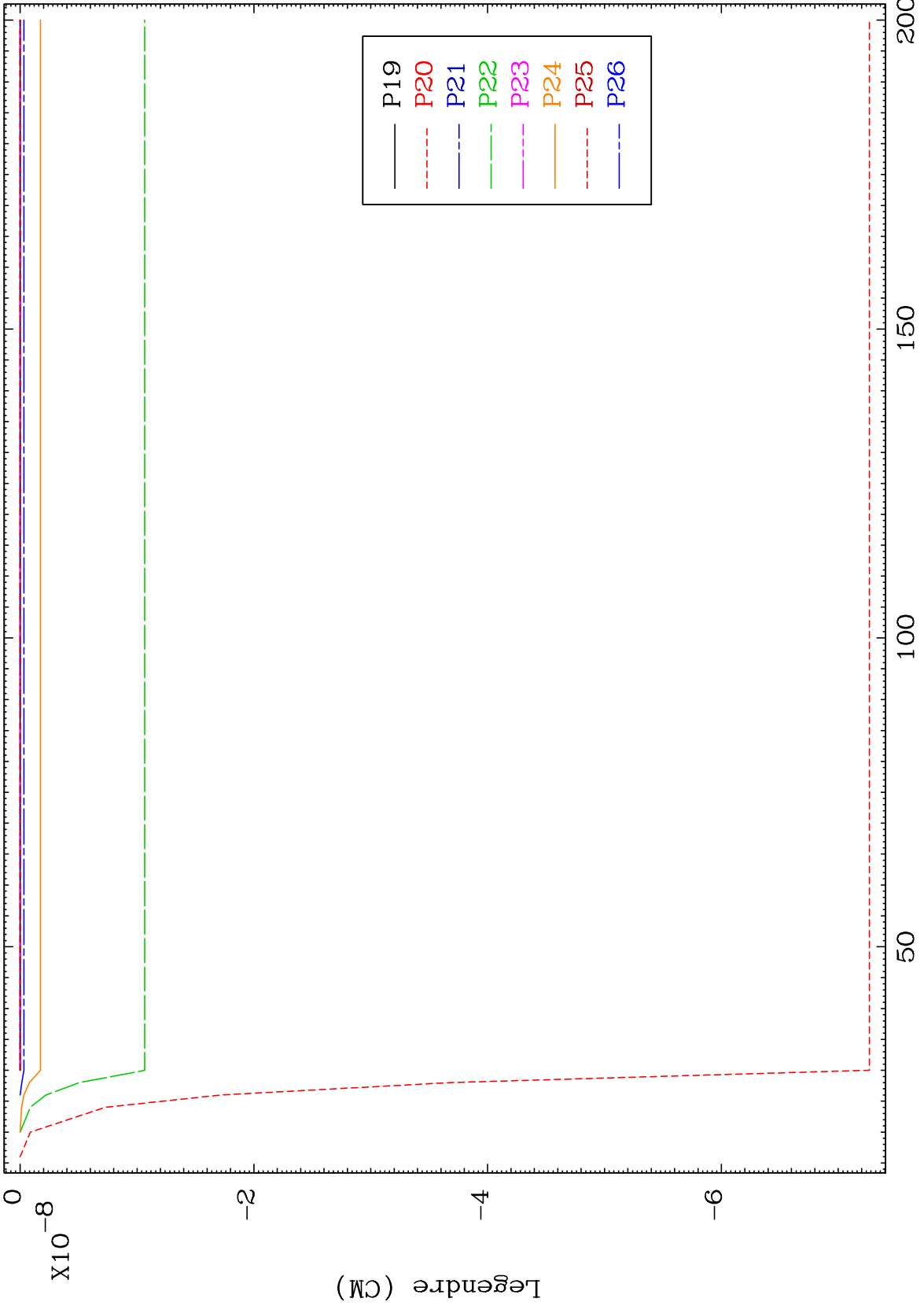


28

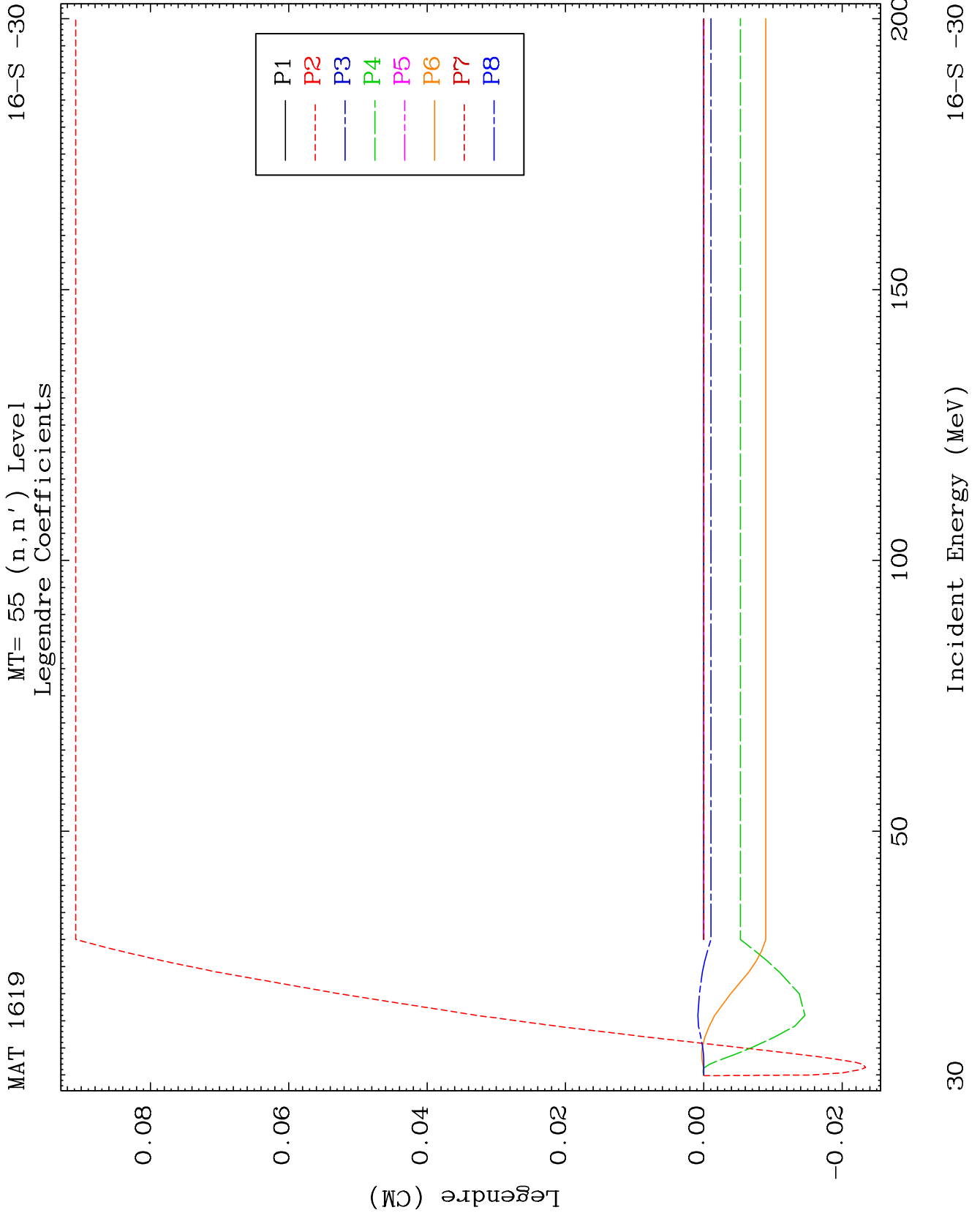
Incident Energy (MeV)

16-S -30

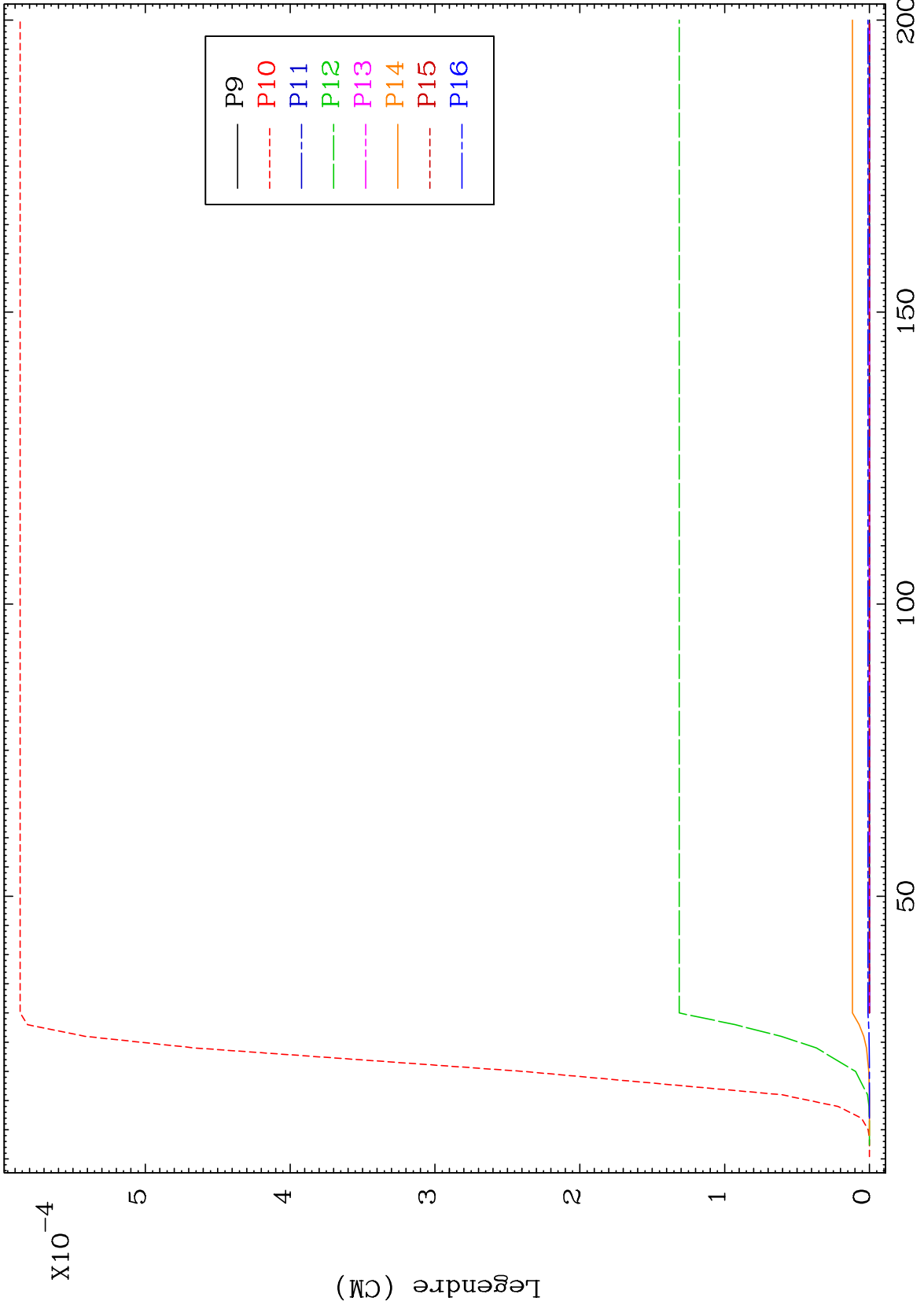
MAT 1619 MT= 54 (n,n') Level Legendre Coefficients 16-S -30



29 Incident Energy (MeV) 16-S -30



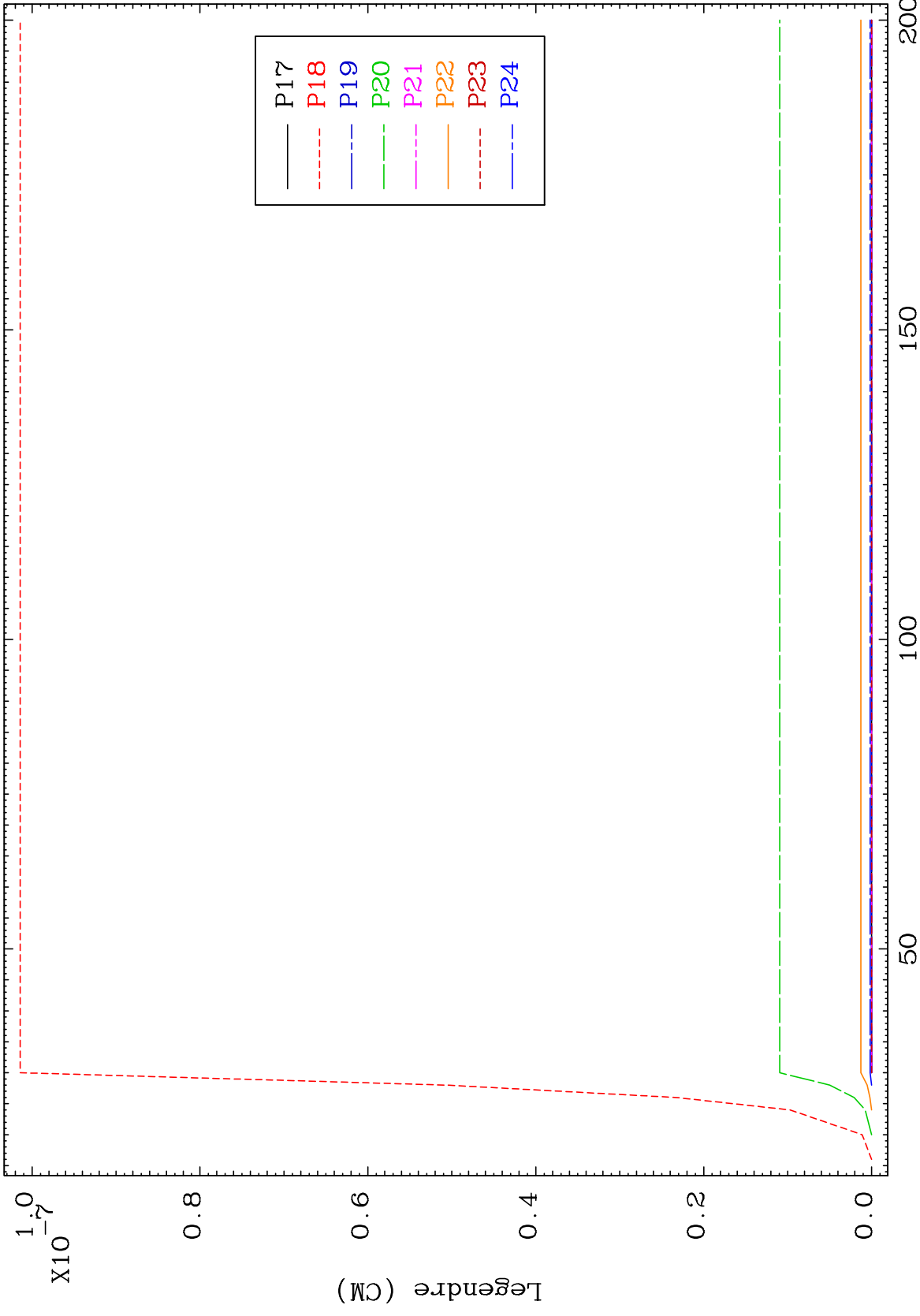
MAT 1619 MT= 55 (n,n') Level Legendre Coefficients 16-S -30



31 Incident Energy (MeV) 16-S -30

MAT 1619 MT= 55 (n,n') Level Legendre Coefficients

16-S -30



16-S -30

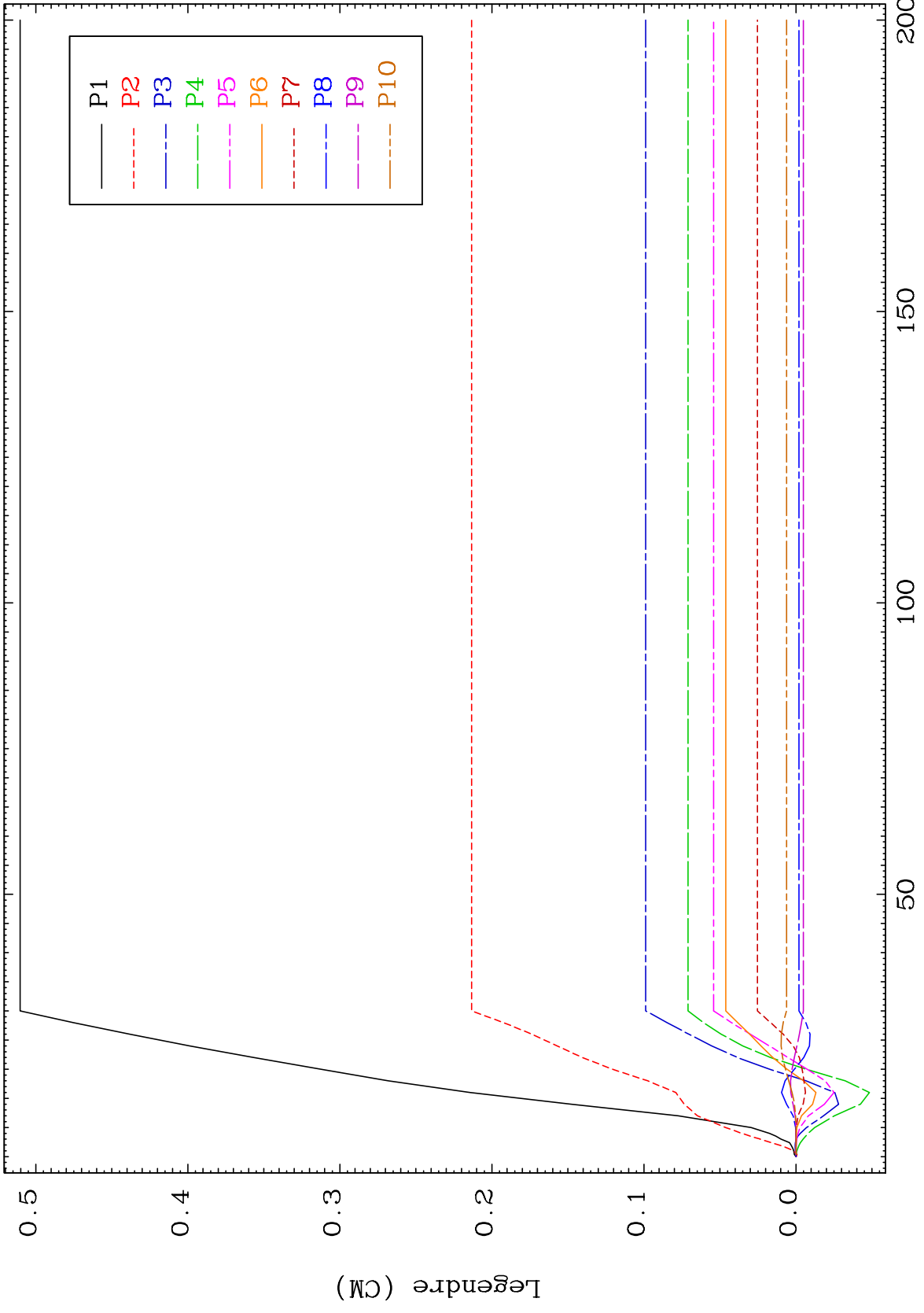
Incident Energy (MeV)

32

MAT 1619 MT= 56 (n,n') Level Legendre Coefficients

16-S -30

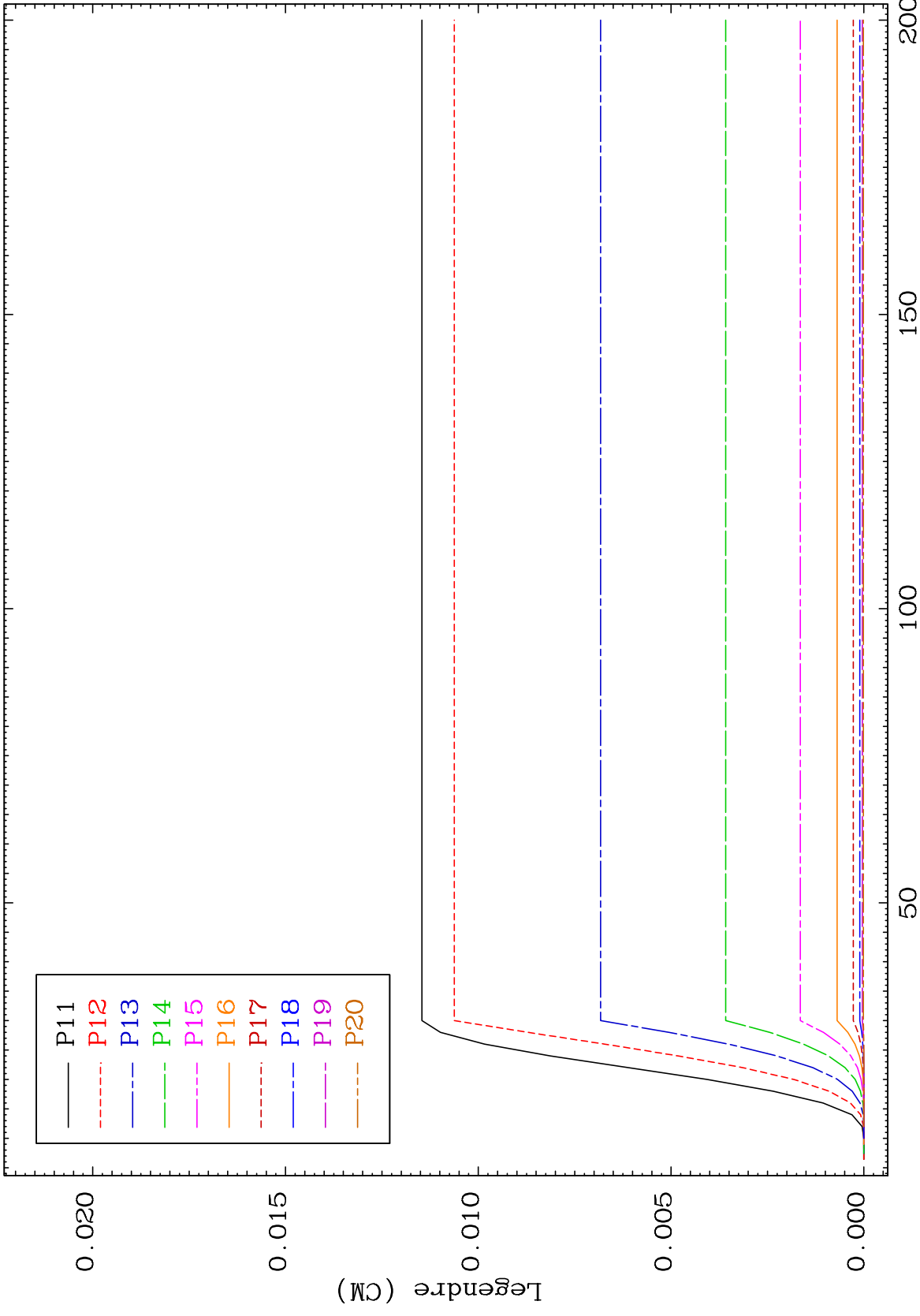
16-S -30



MAT 1619

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

16-S -30

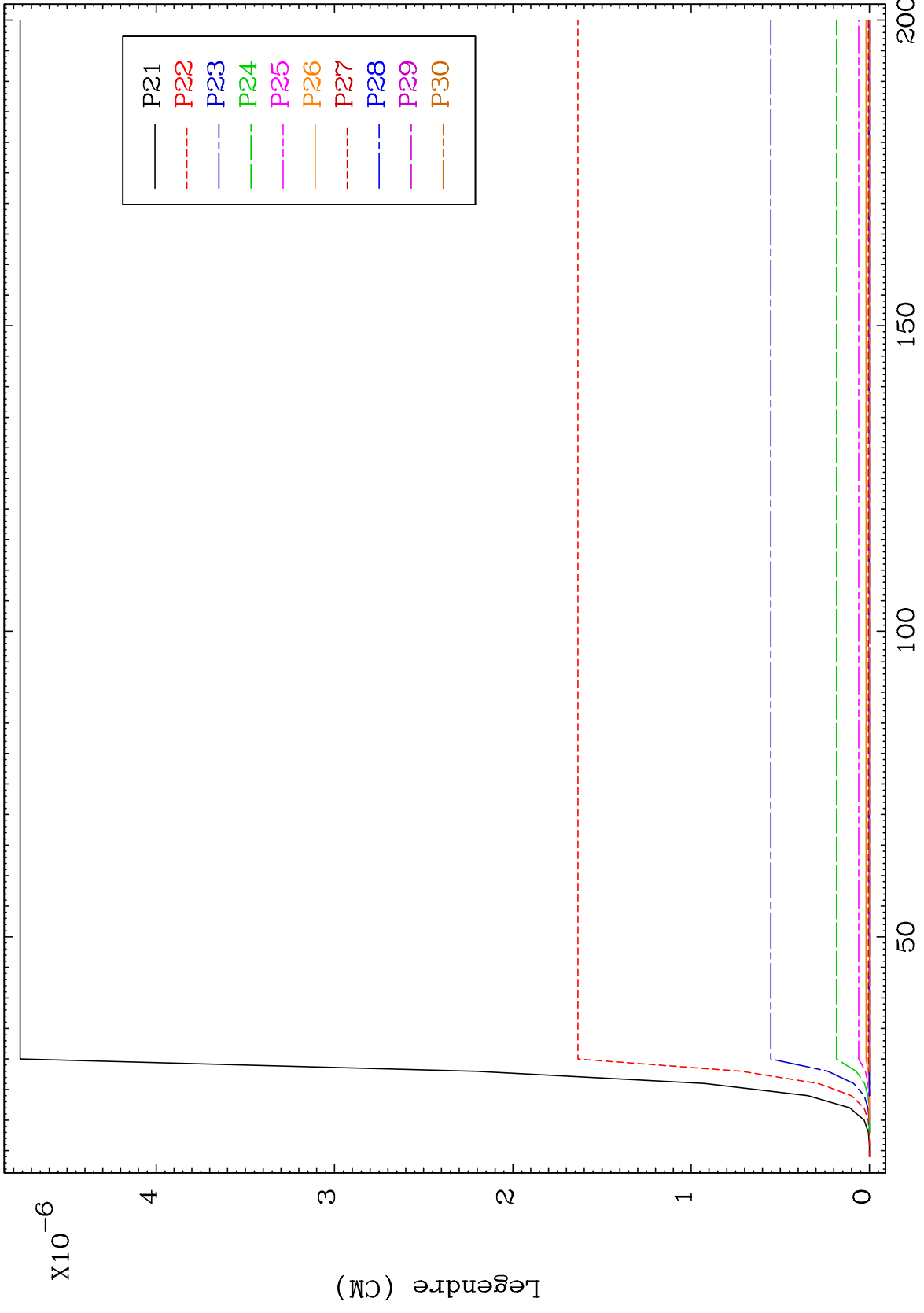


34

Incident Energy (MeV)

16-S -30

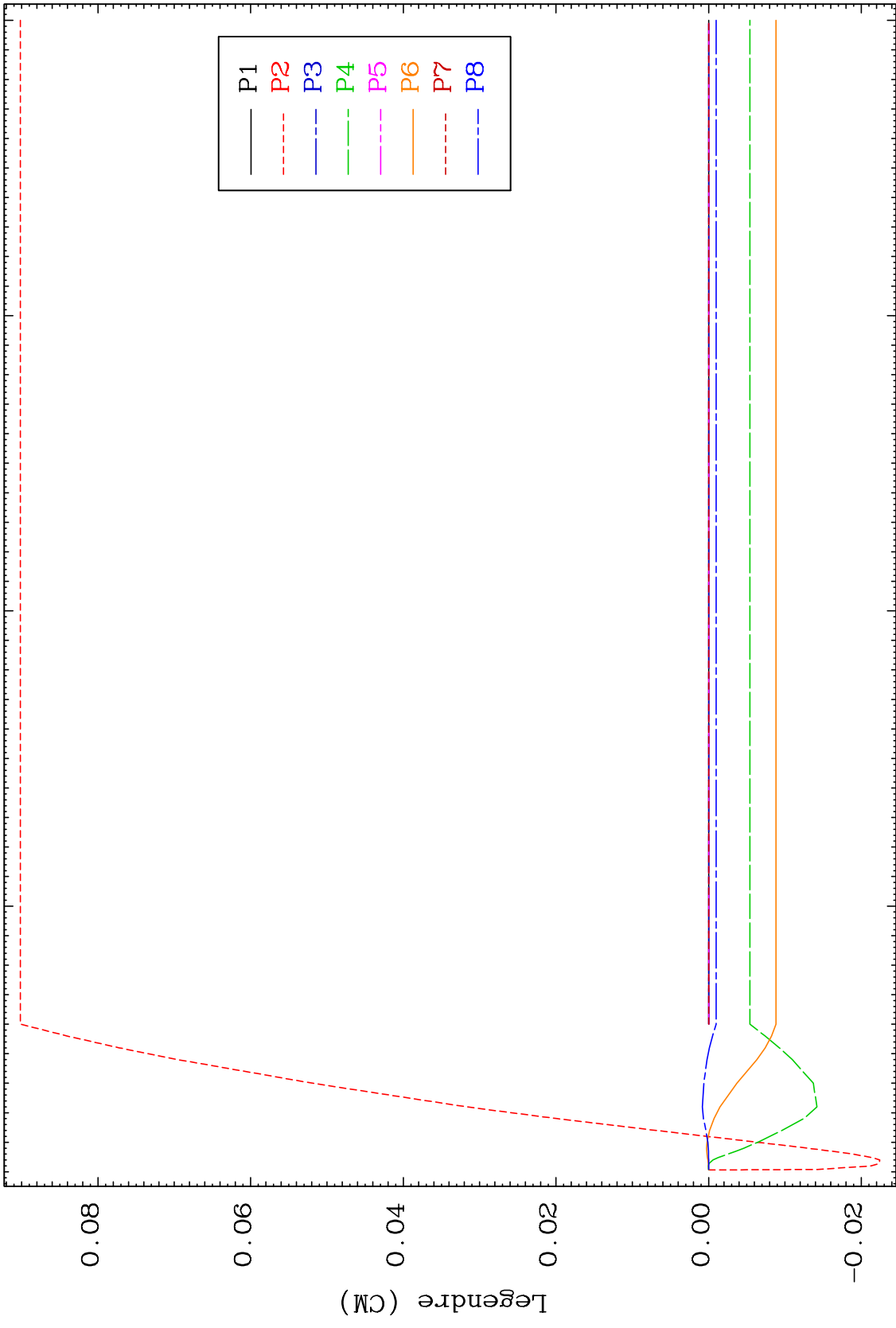
MAT 1619 MT= 56 (n,n') Level Legendre Coefficients 16-S -30



35 50 100 150 200 16-S -30

MAT 1619 MT= 57 (n,n') Level Legendre Coefficients

16-S -30

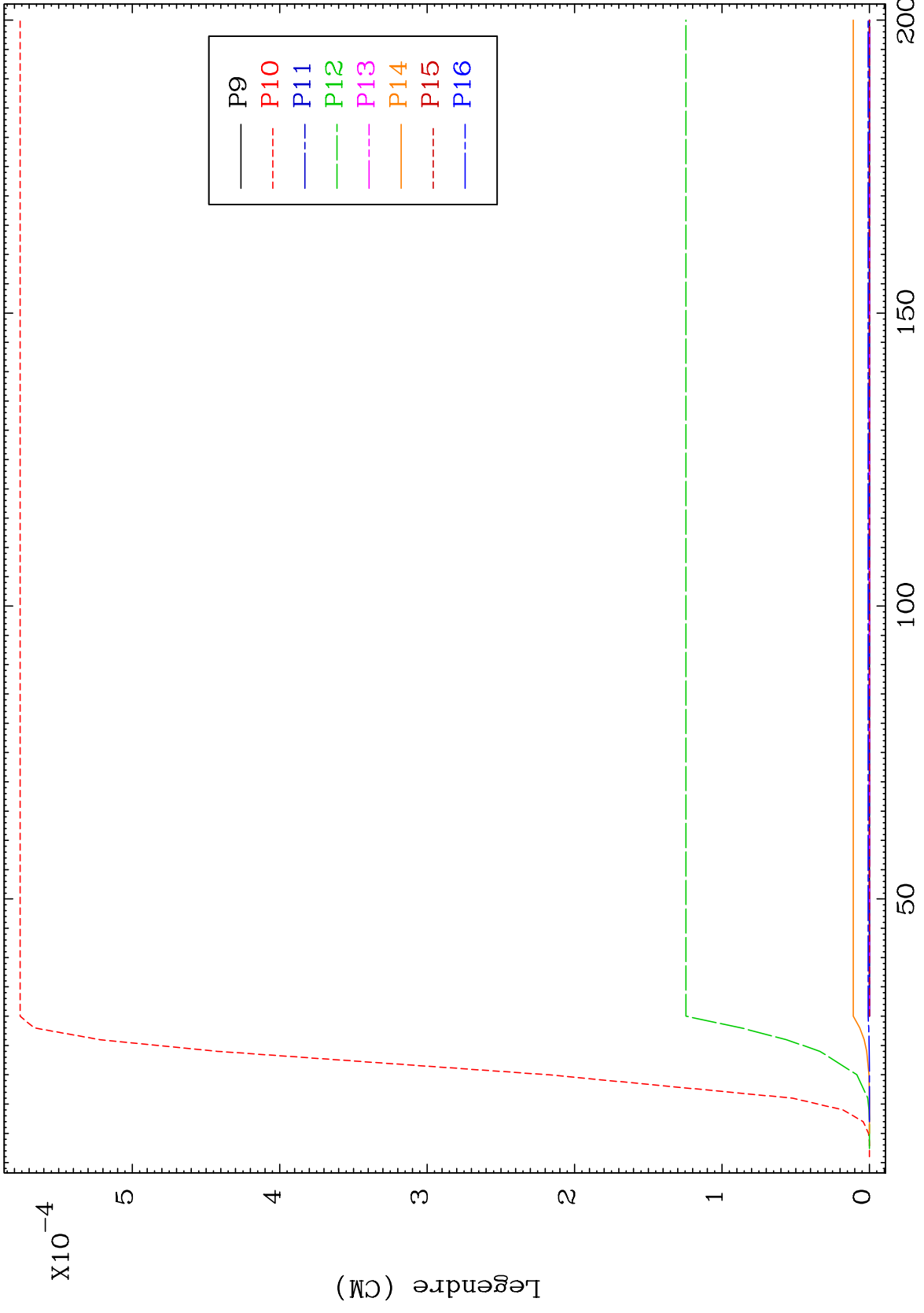


16-S -30

Incident Energy (MeV)

36

MAT 1619 MT= 57 (n,n') Level Legendre Coefficients 16-S -30

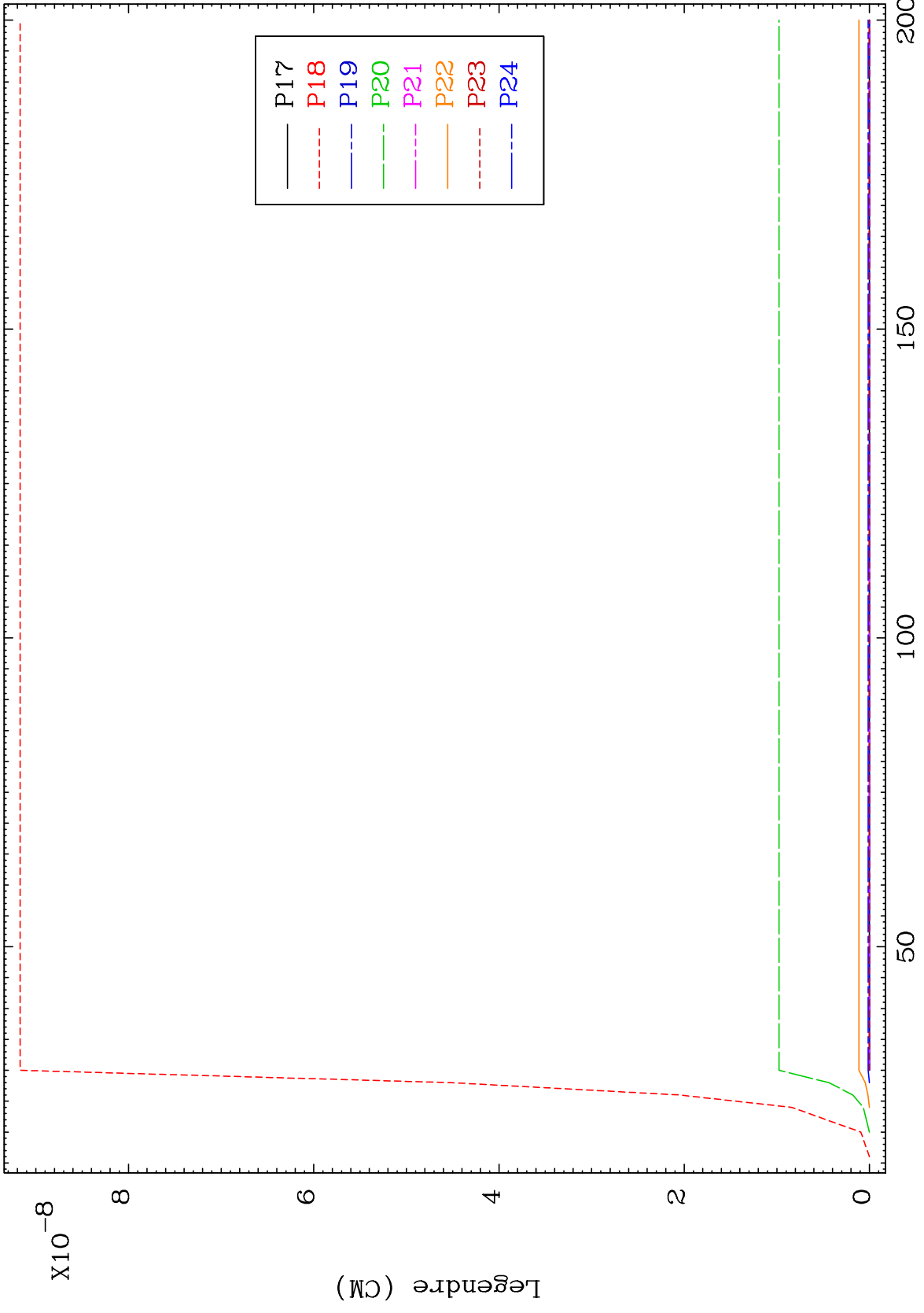


37 Incident Energy (MeV) 16-S -30

MAT 1619 MT= 57 (n,n') Level Legendre Coefficients

16-S -30

16-S -30

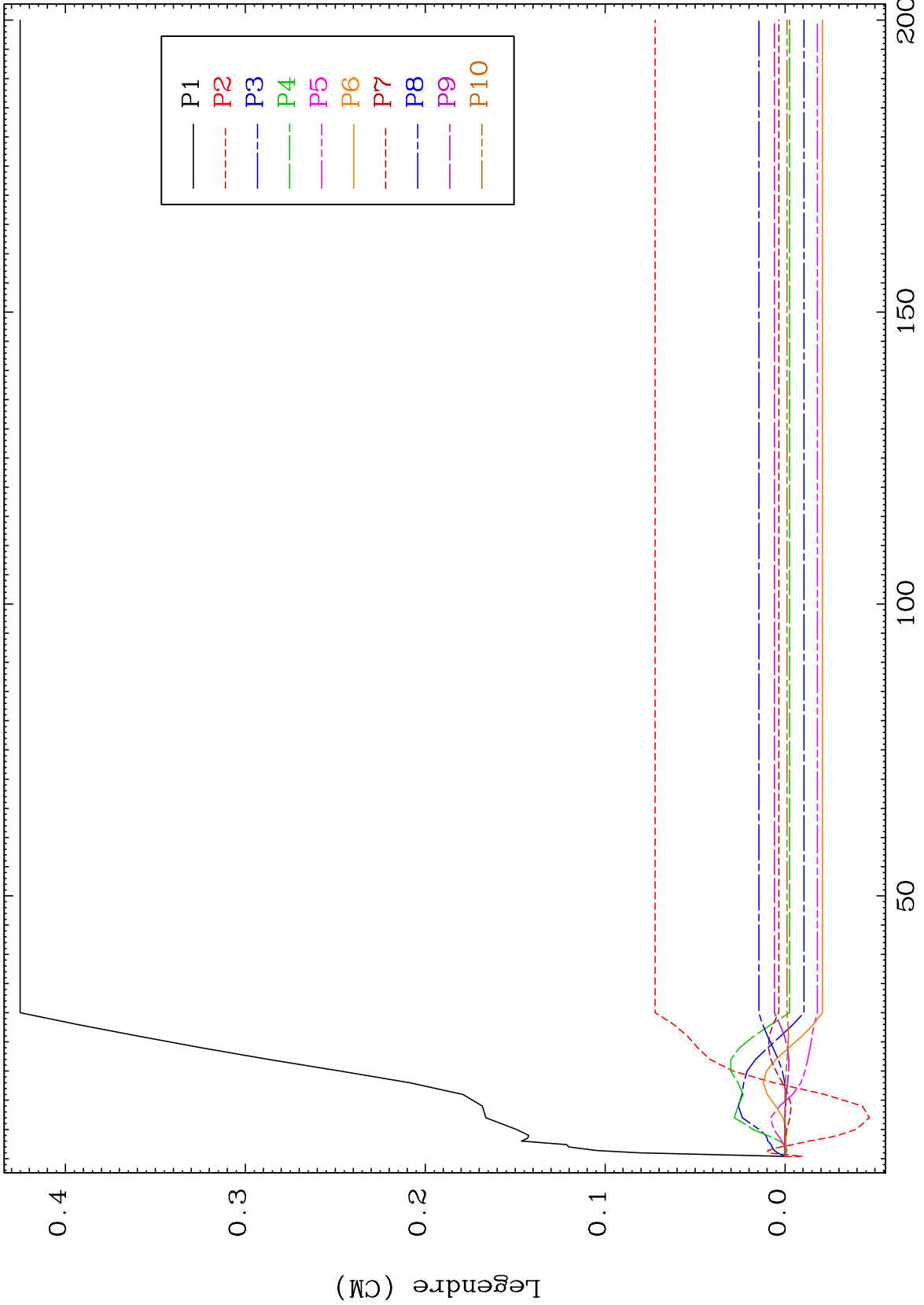


38

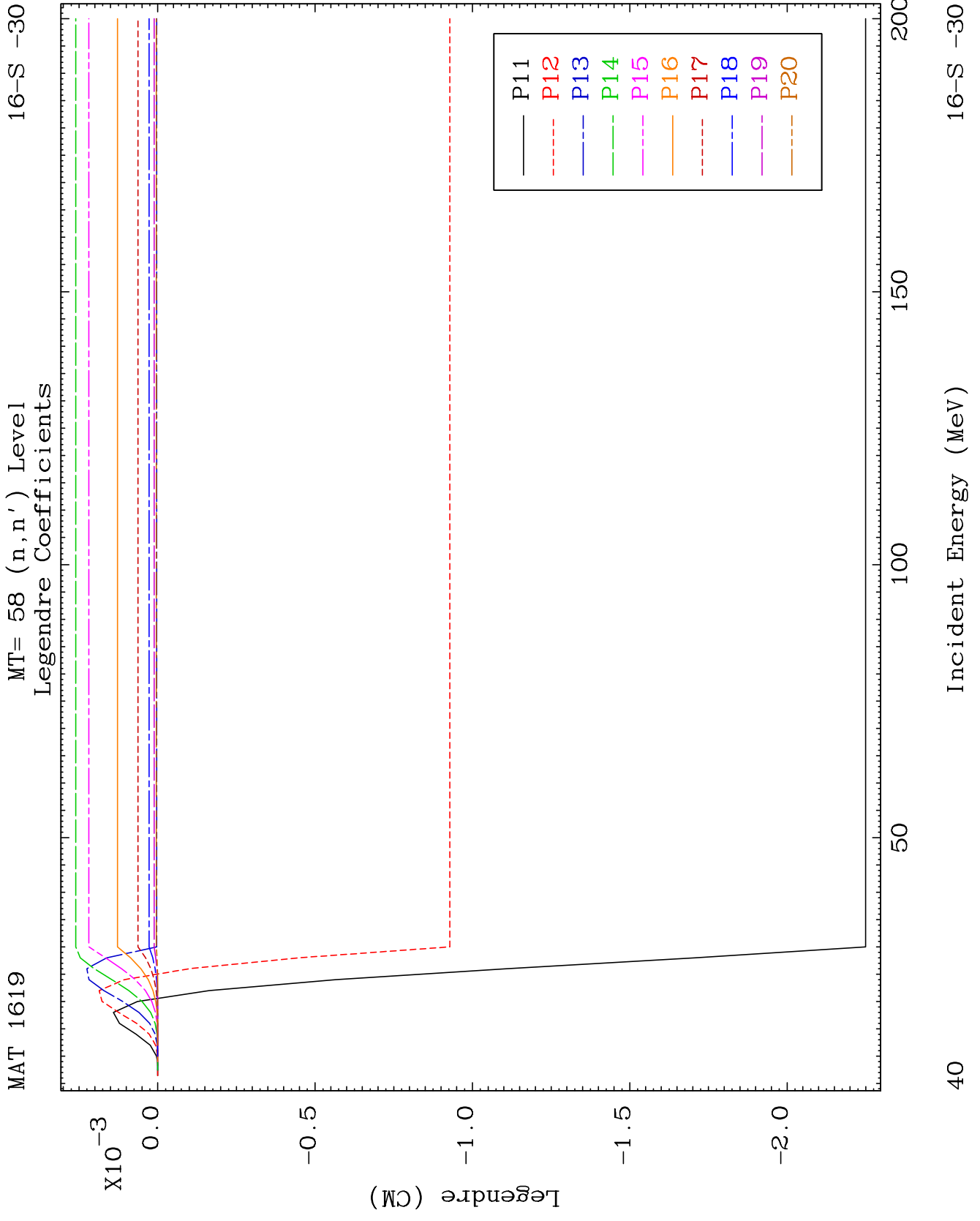
MAT 1619 MT= 58 (n,n') Level Legendre Coefficients

16-S -30

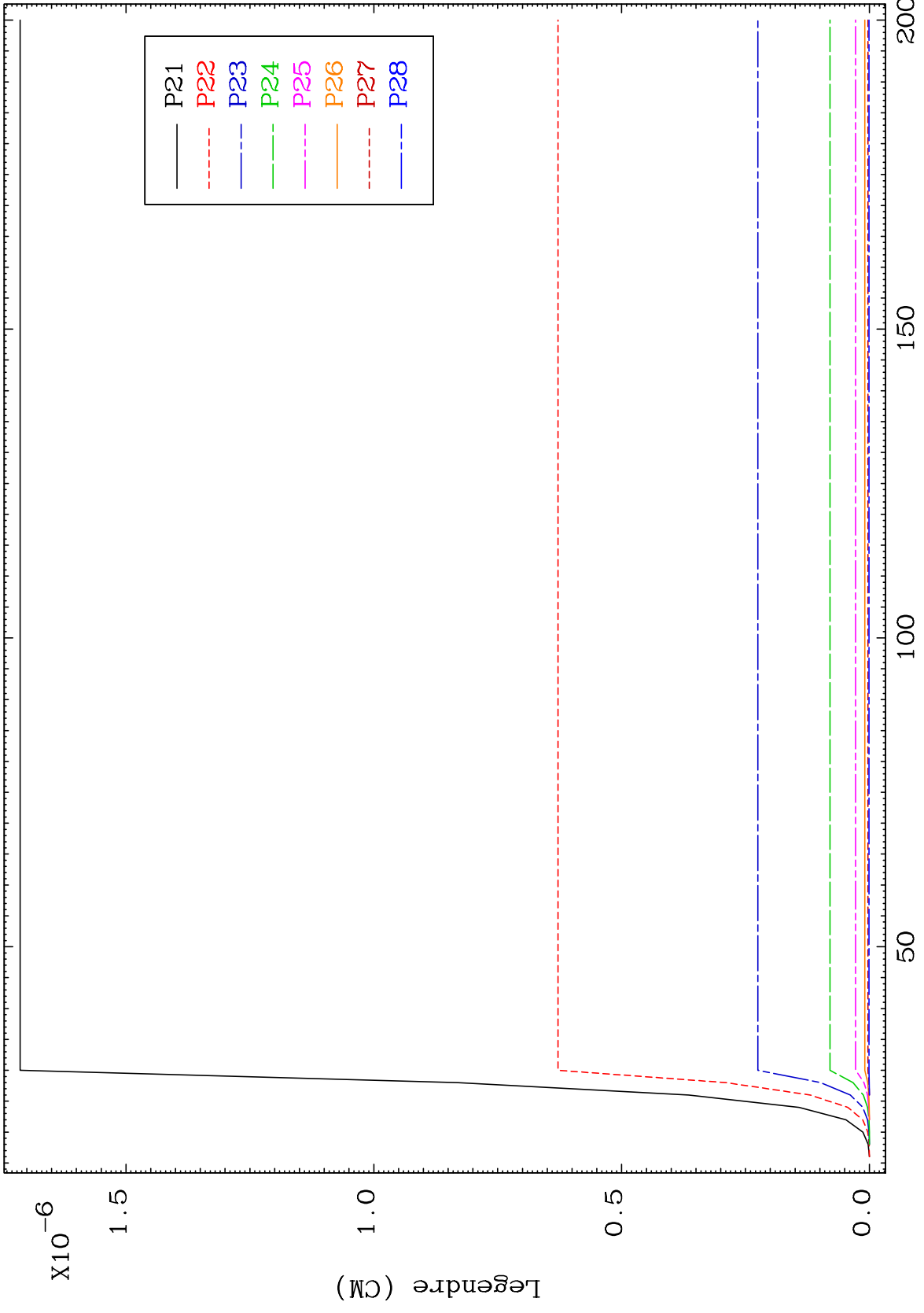
16-S -30

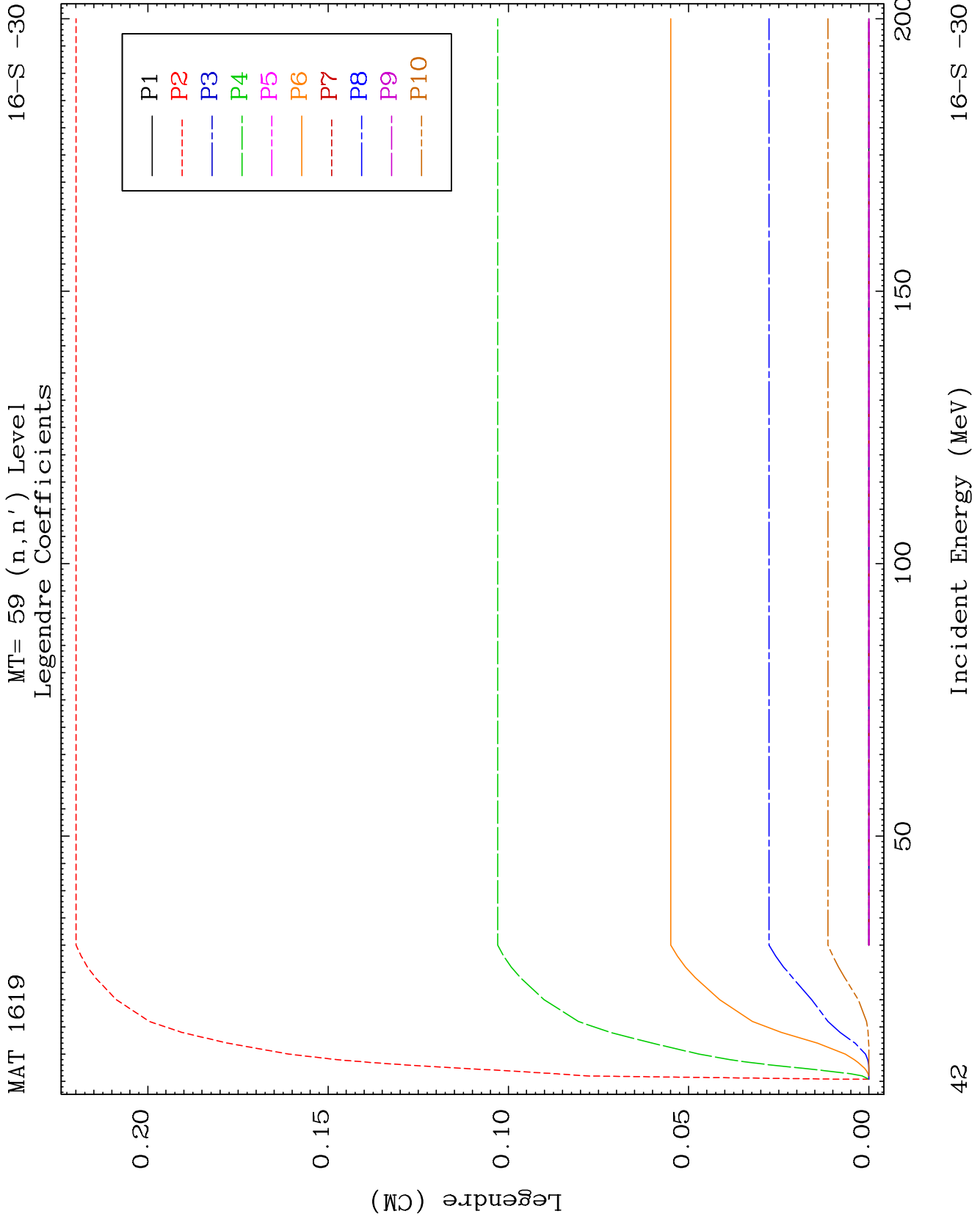


39



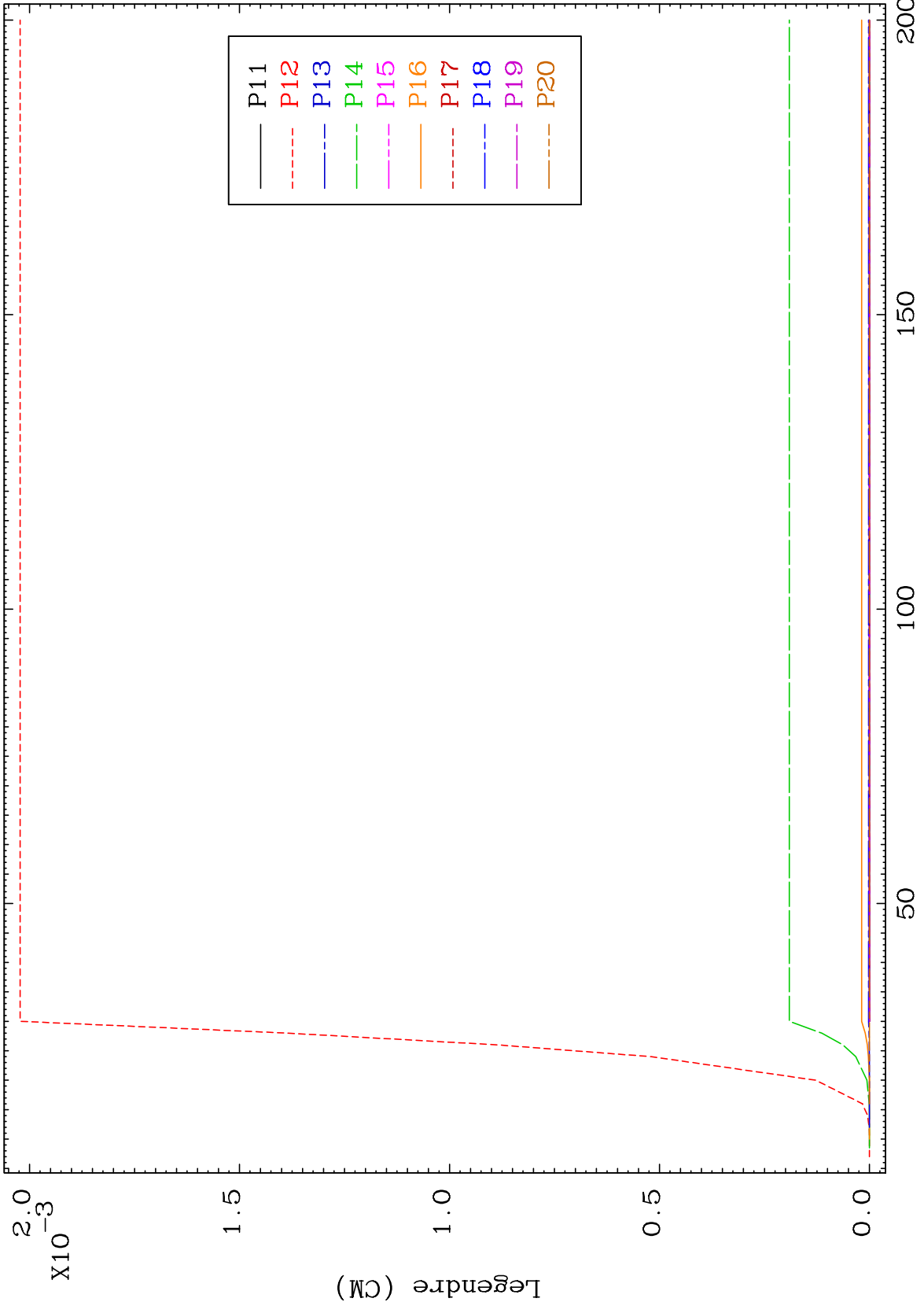
MAT 1619 MT= 58 (n,n') Level Legendre Coefficients 16-S -30





MAT 1619 MT= 59 (n,n') Level Legendre Coefficients

16-S -30



16-S -30

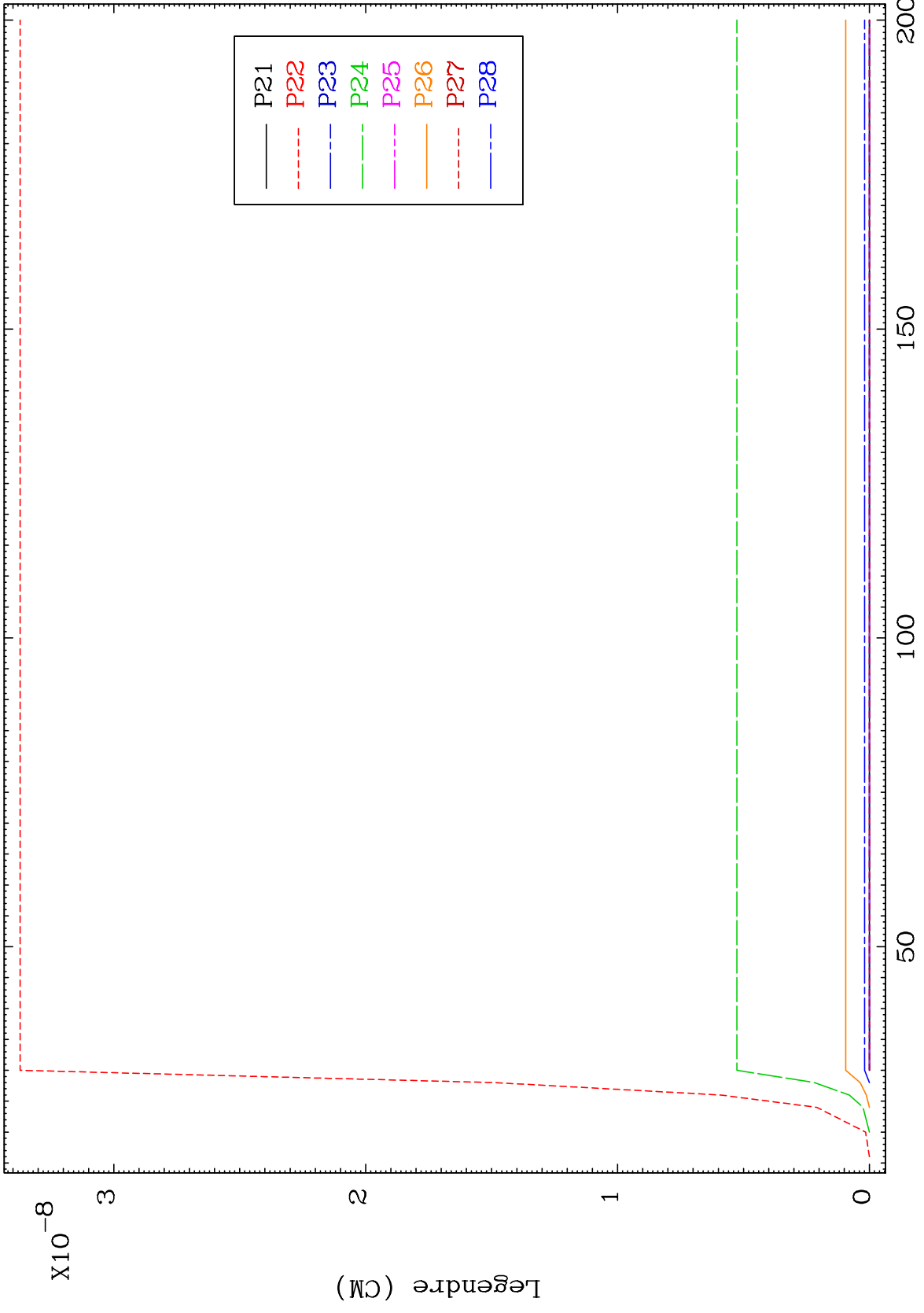
Incident Energy (MeV)

43

MAT 1619 MT= 59 (n,n') Level Legendre Coefficients

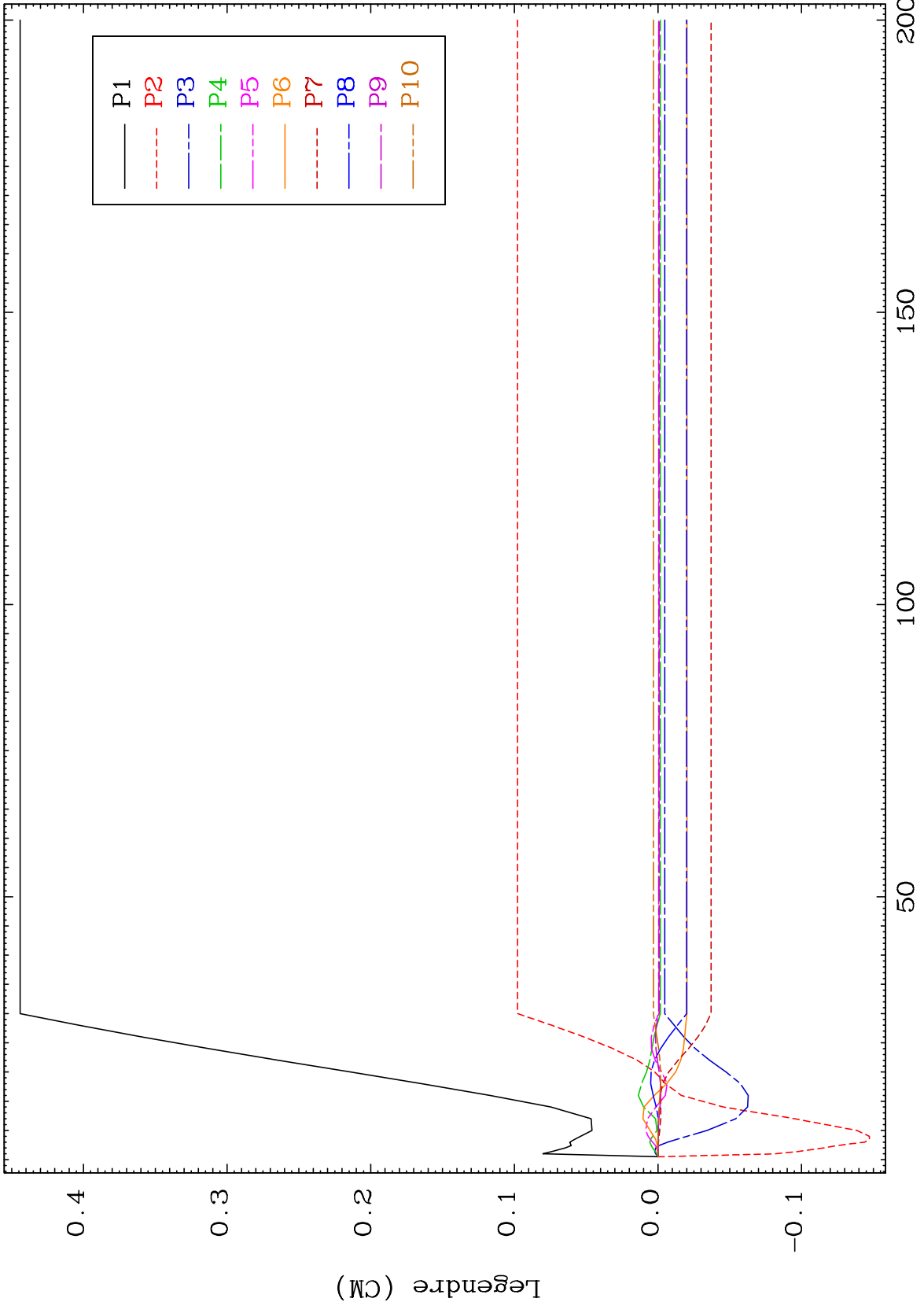
16-S -30

16-S -30



44

MAT 1619 MT= 60 (n,n') Level Legendre Coefficients 16-S -30



45 Incident Energy (MeV) 16-S -30

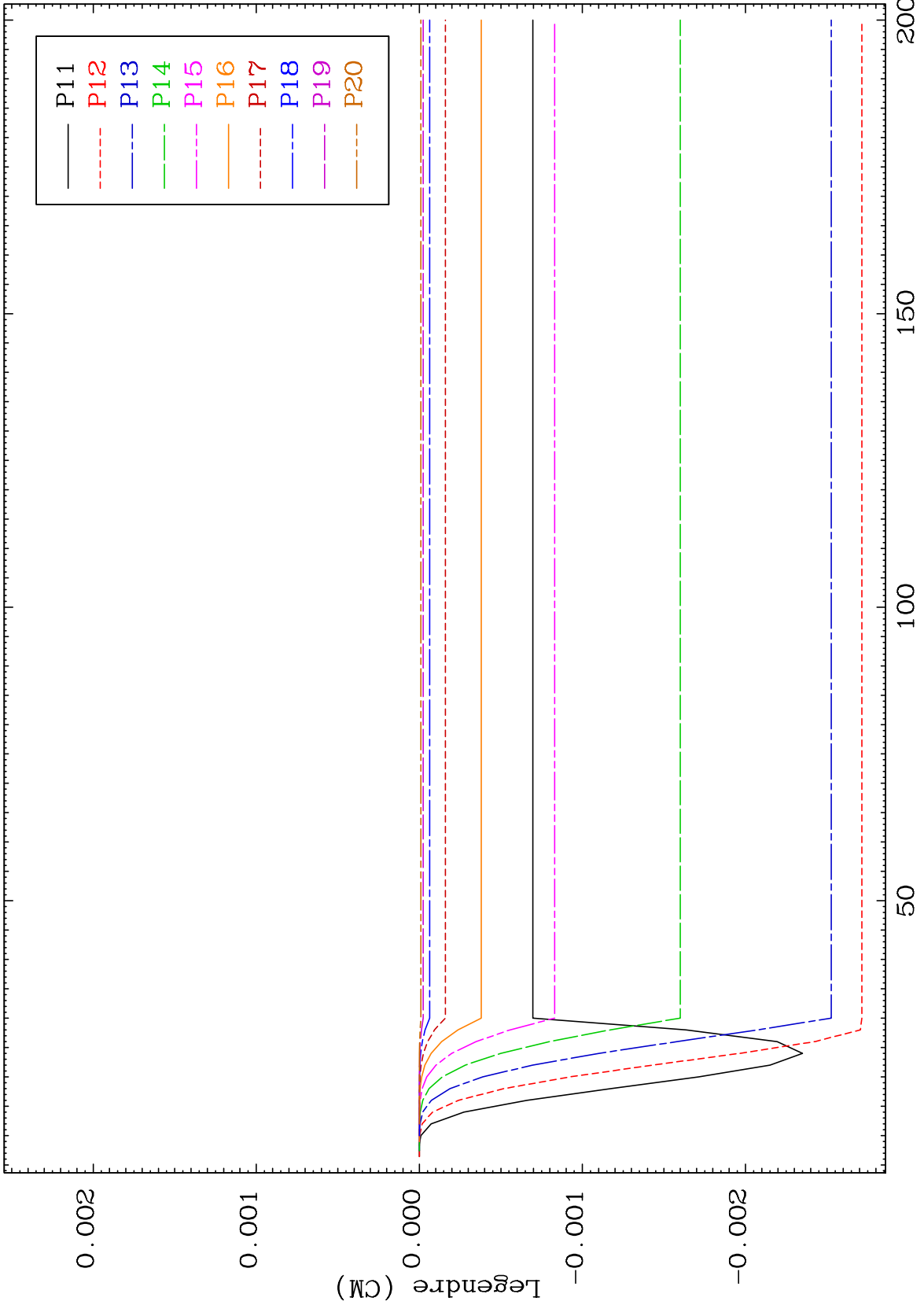
MAT 1619 MT= 60 (n,n') Level Legendre Coefficients

16-S -30

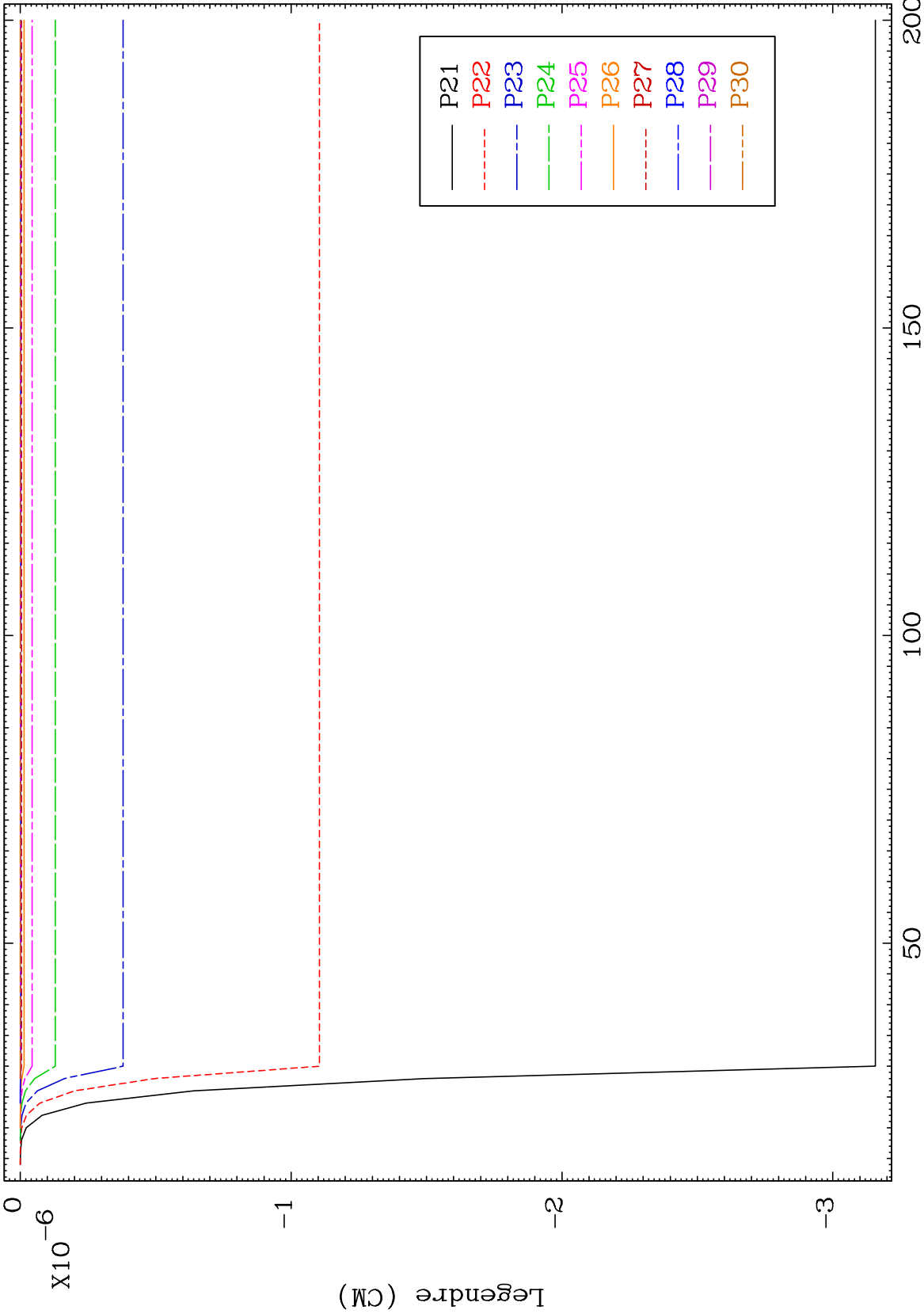
16-S -30

Incident Energy (MeV)

46



MAT 1619 MT= 60 (n,n') Level Legendre Coefficients 16-S -30

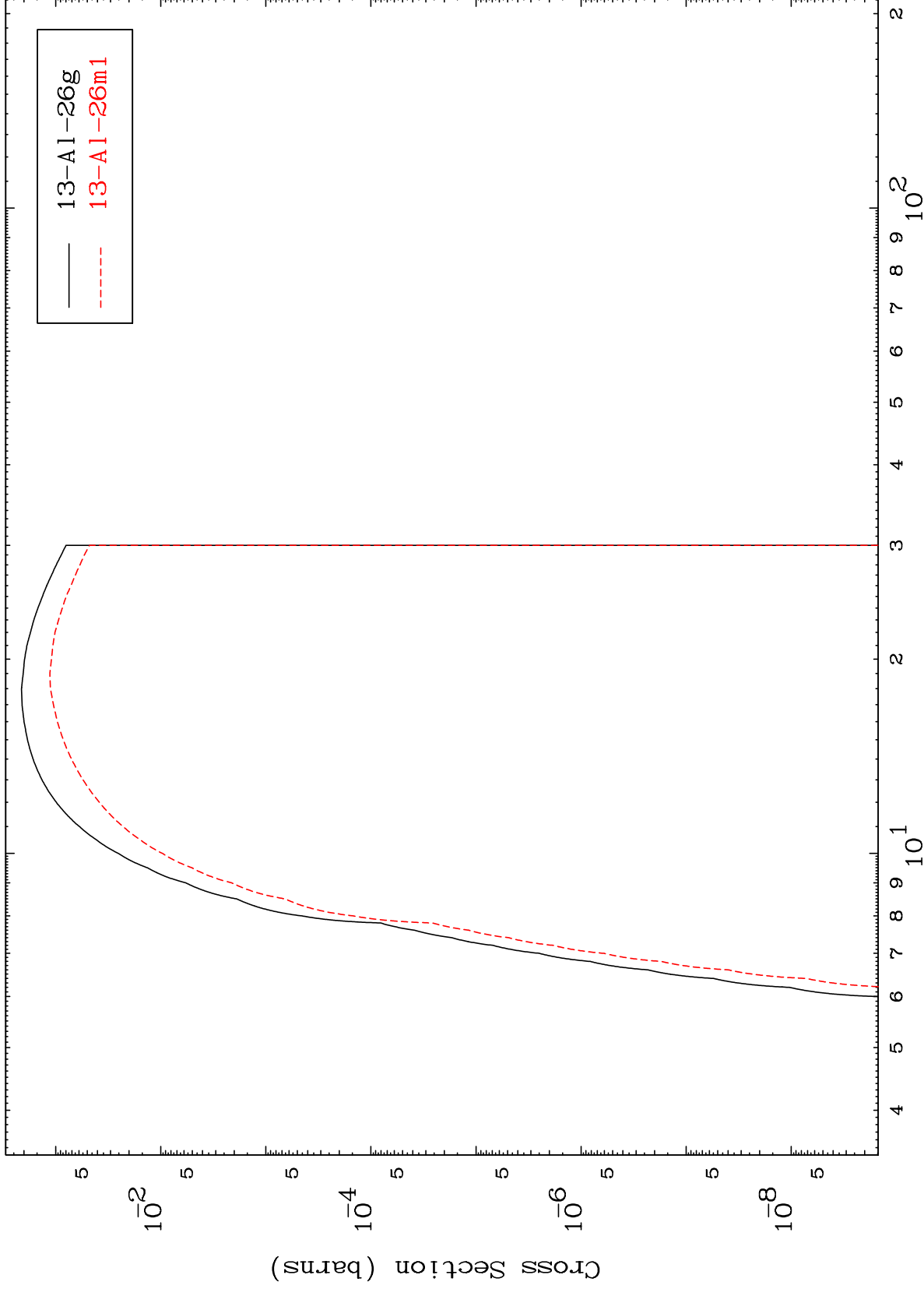


MAT 1619

(n,p) α

16-S -30

Radionuclide Production Cross Section



48

Incident Energy (MeV)

16-S -30