

Program EVALPLOT
(Version 2018-1)

by

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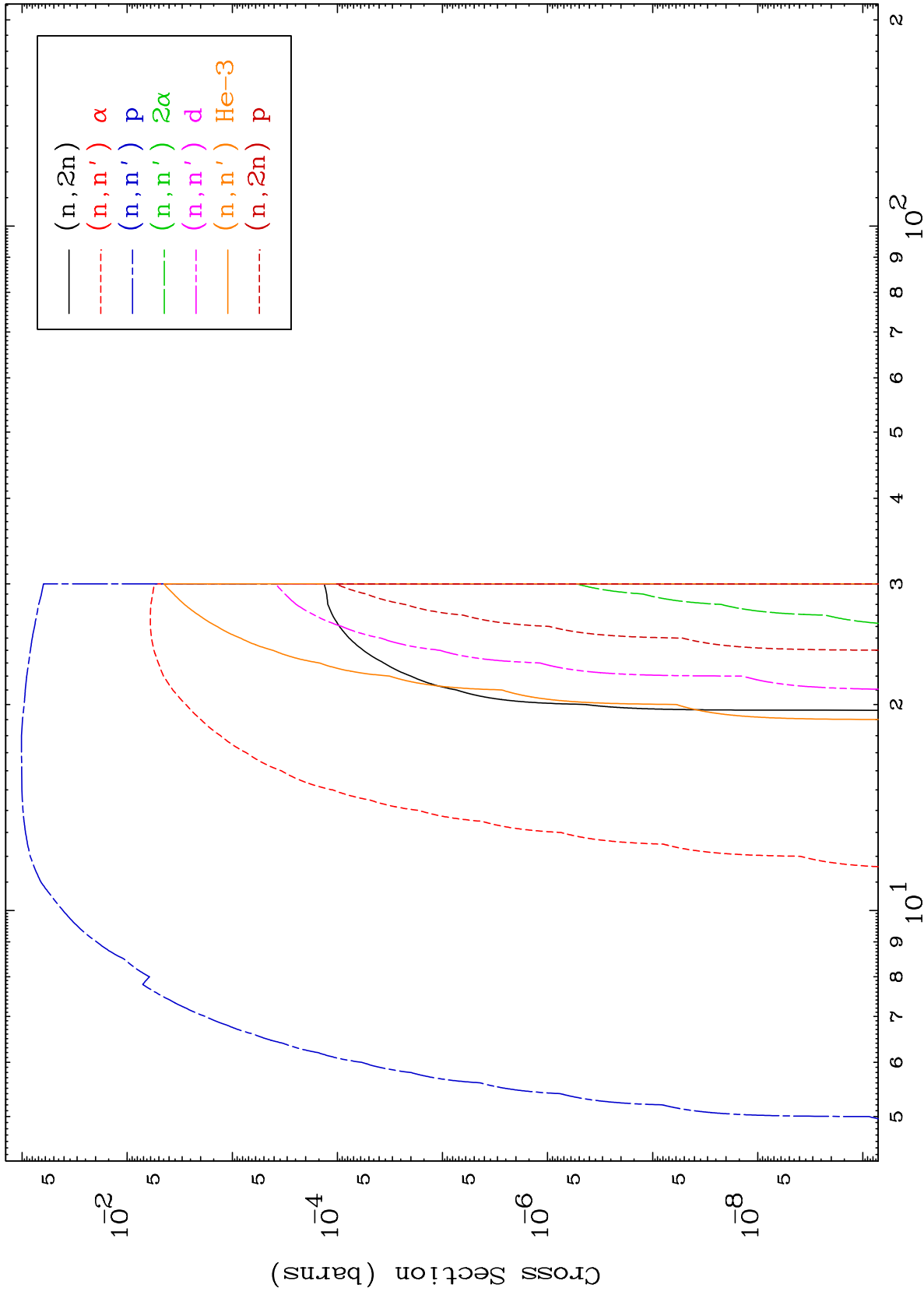
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1619

Neutron Production 293 Kelvin Cross Sections

16-S -30



2

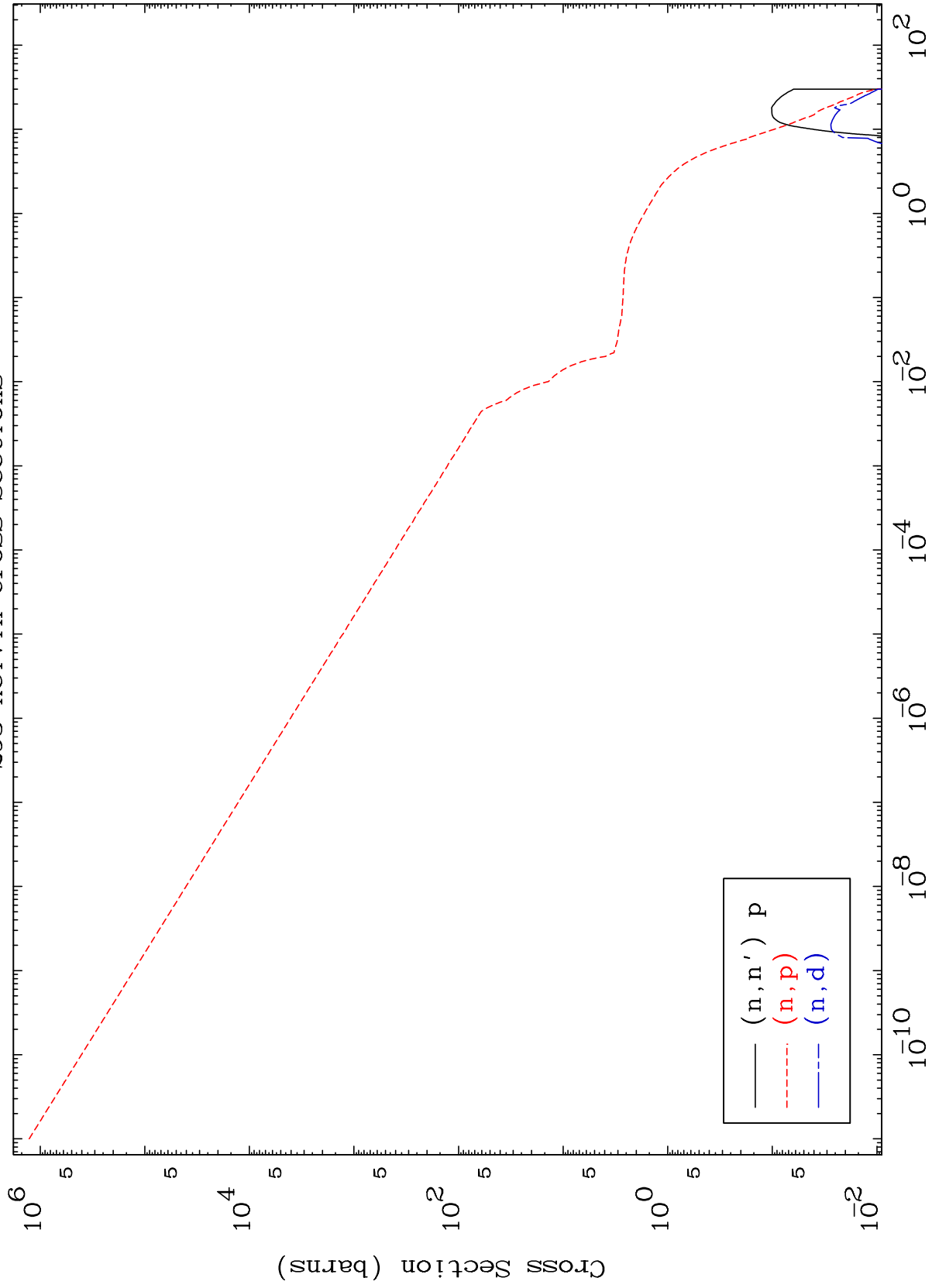
Incident Energy (MeV)

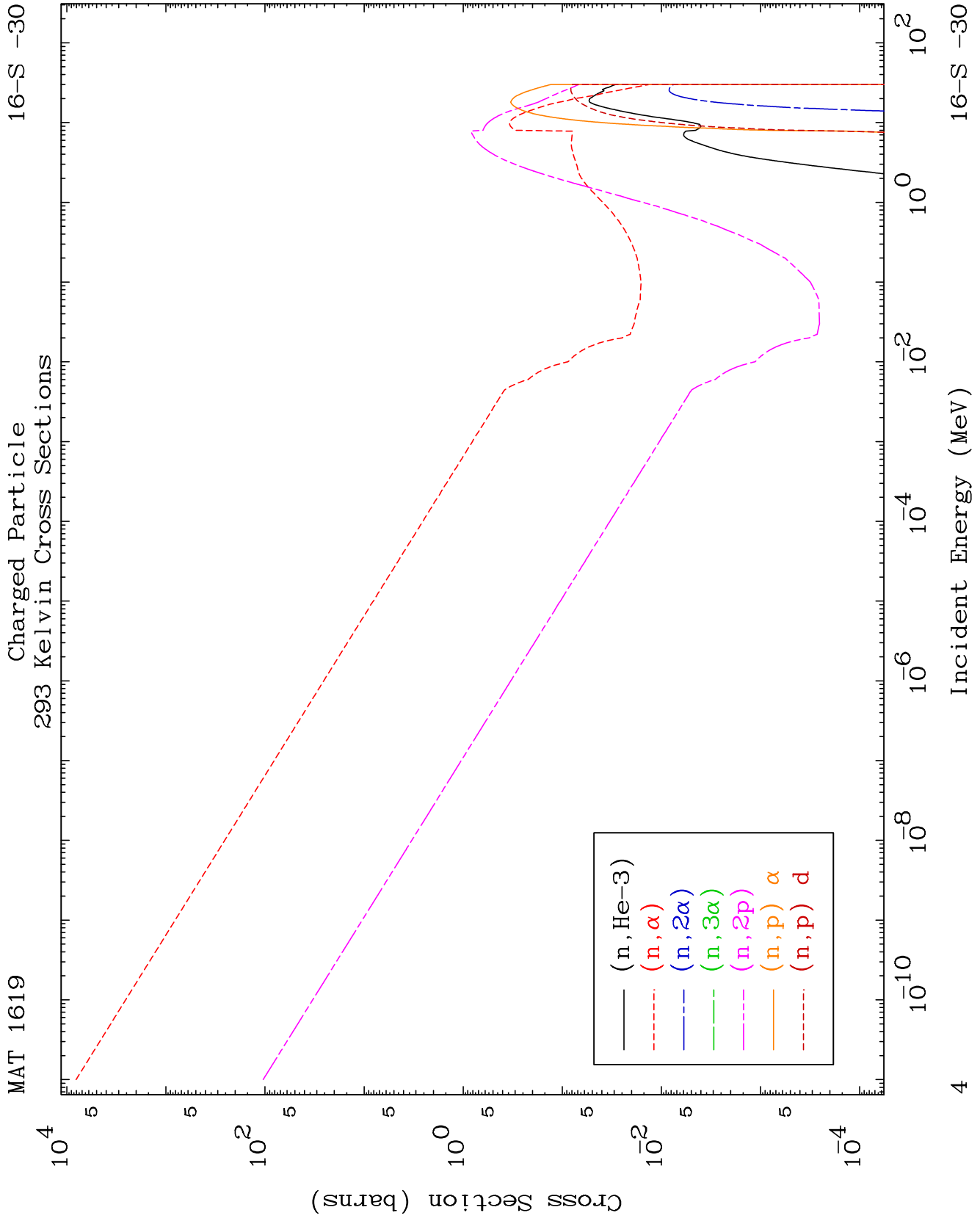
16-S -30

MAT 1619

Charged Particle
293 Kelvin Cross Sections

16-S -30

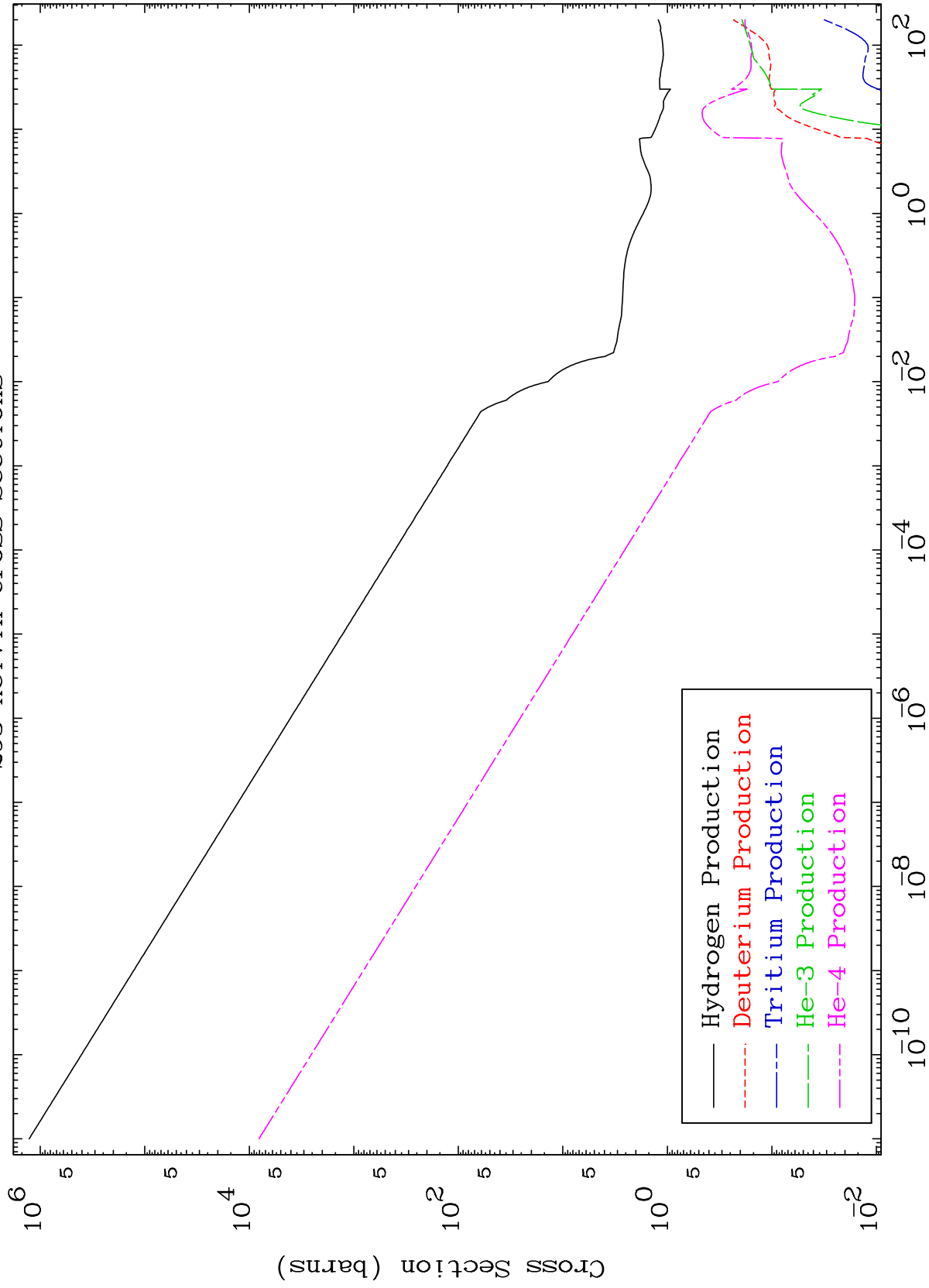




MAT 1619

Particle Production
293 Kelvin Cross Sections

16-S -30



5

Incident Energy (MeV)

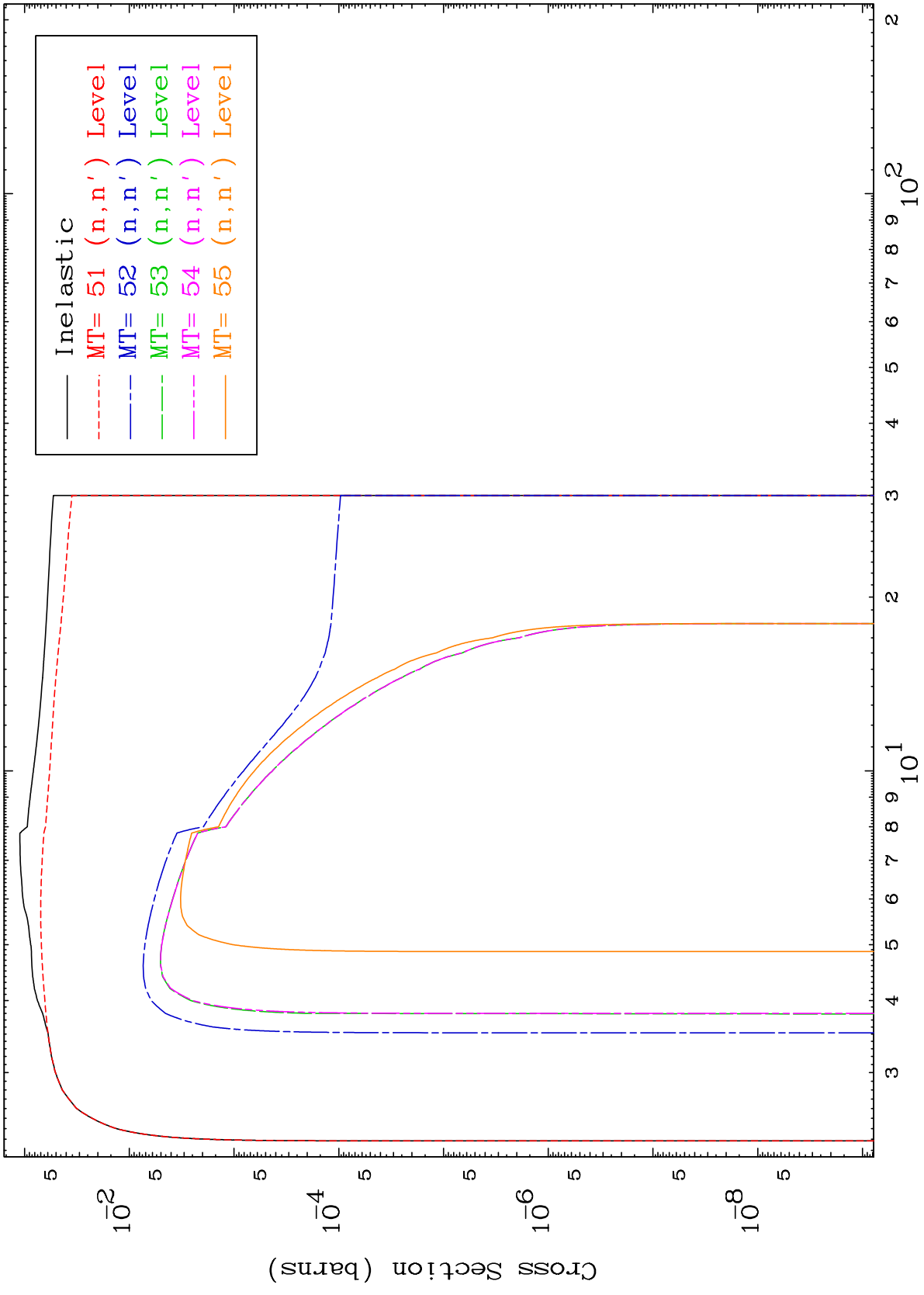
16-S -30

MAT 1619

(n,n') Level

16-S -30

293 Kelvin Cross Sections



6

Incident Energy (MeV)

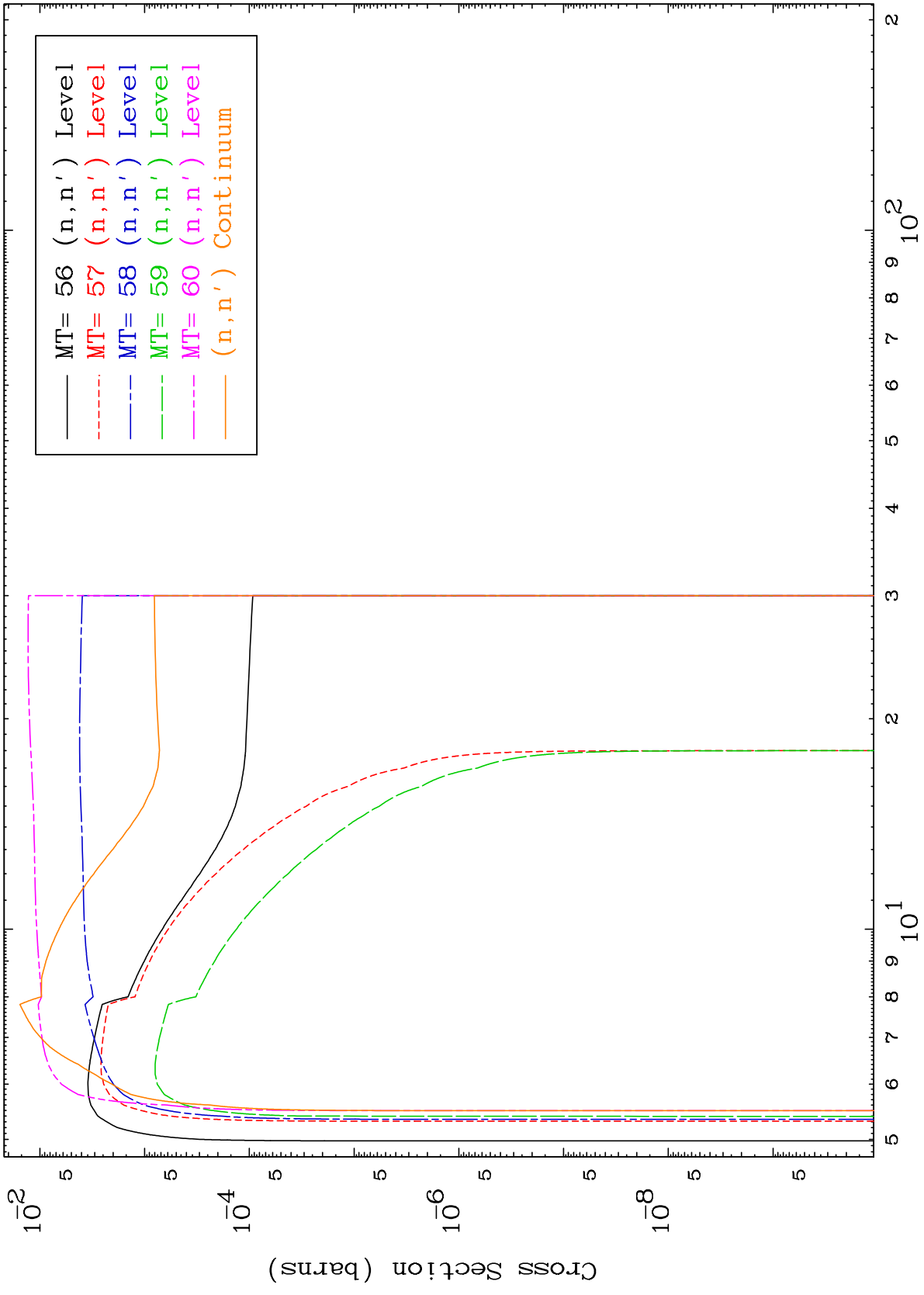
16-S -30

MAT 1619

(n,n') Level

16-S -30

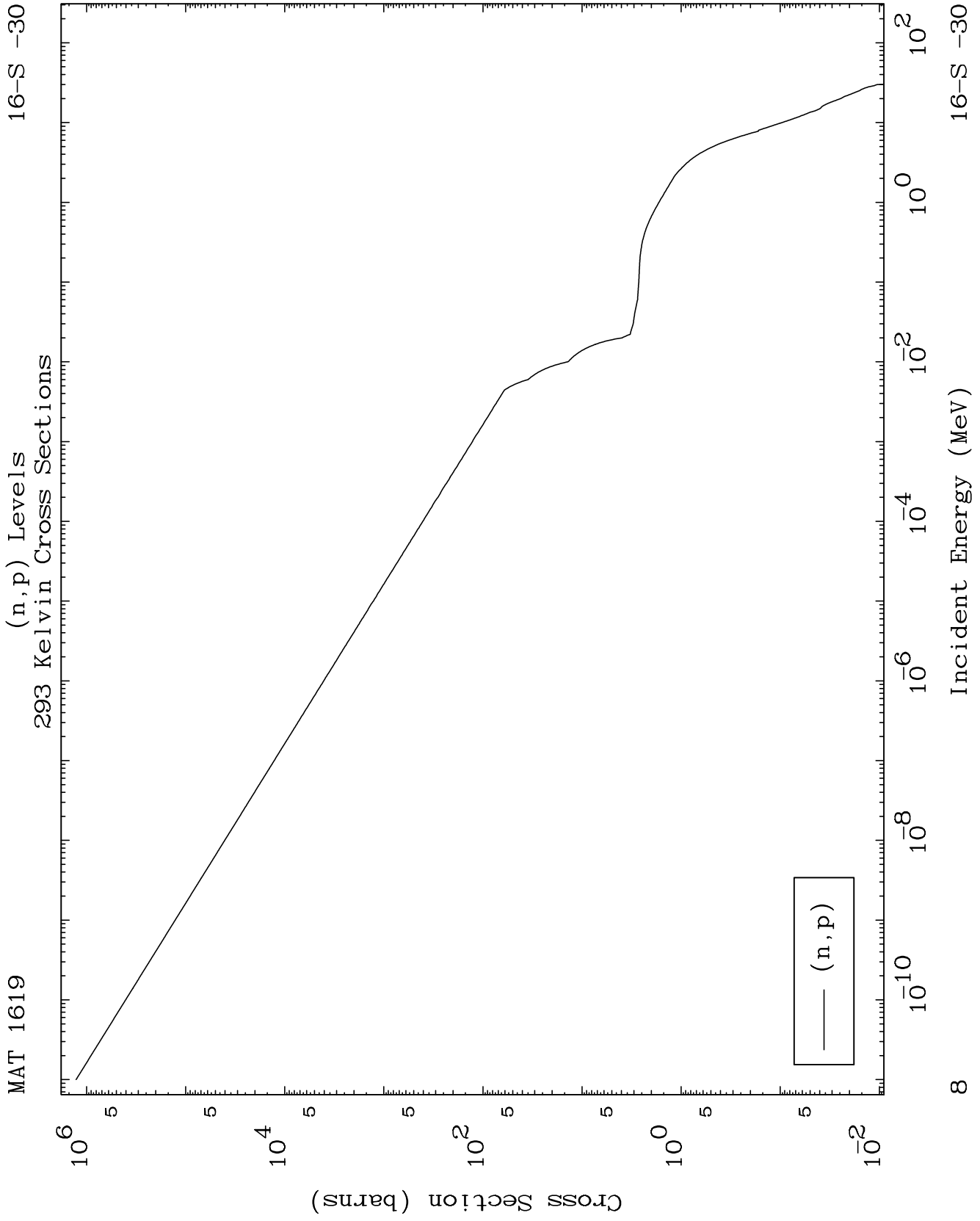
293 Kelvin Cross Sections



7

Incident Energy (MeV)

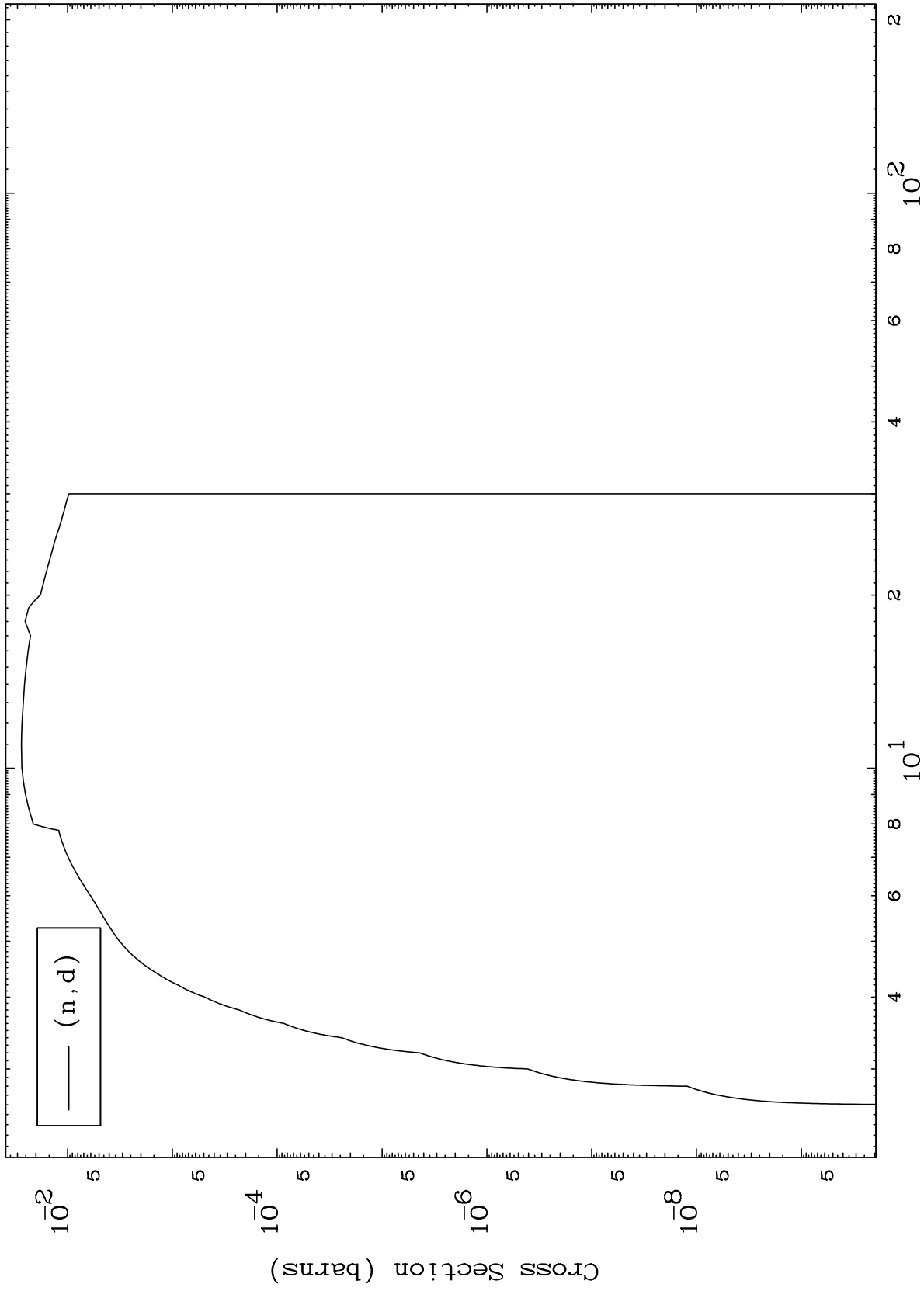
16-S -30



MAT 1619

(n,d) Levels
293 Kelvin Cross Sections

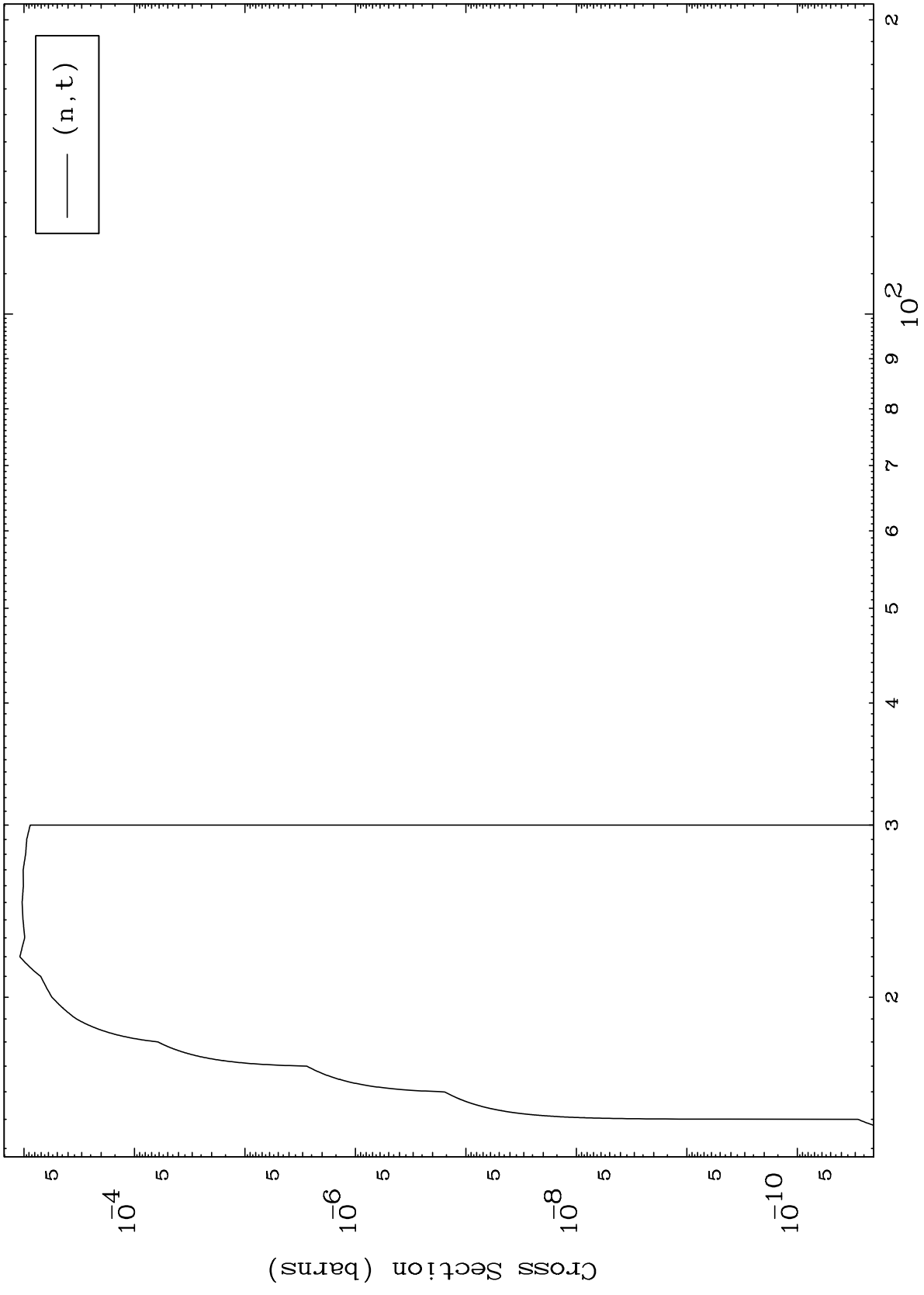
16-S -30



MAT 1619

(n,t) Levels
293 Kelvin Cross Sections

16-S -30



10

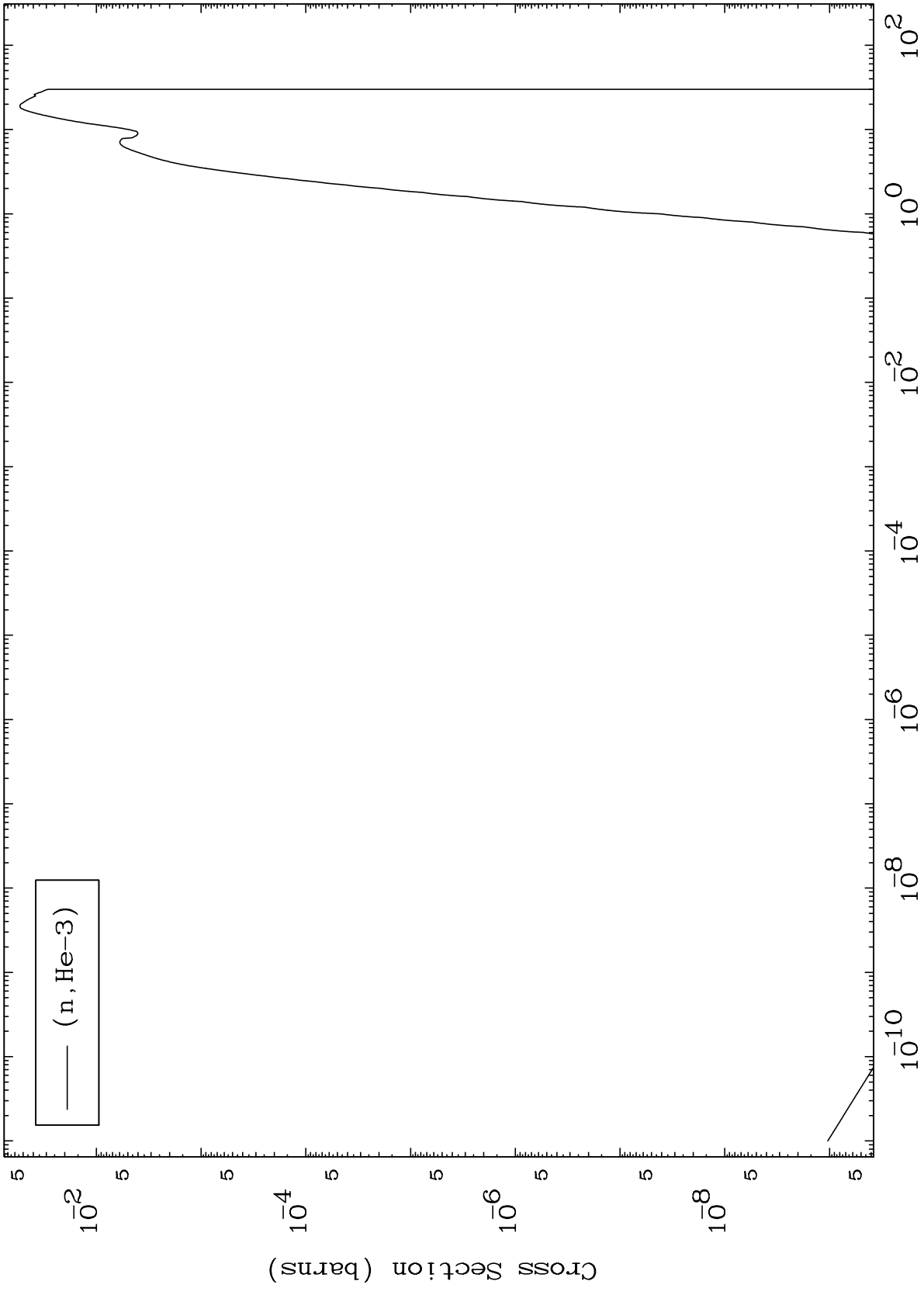
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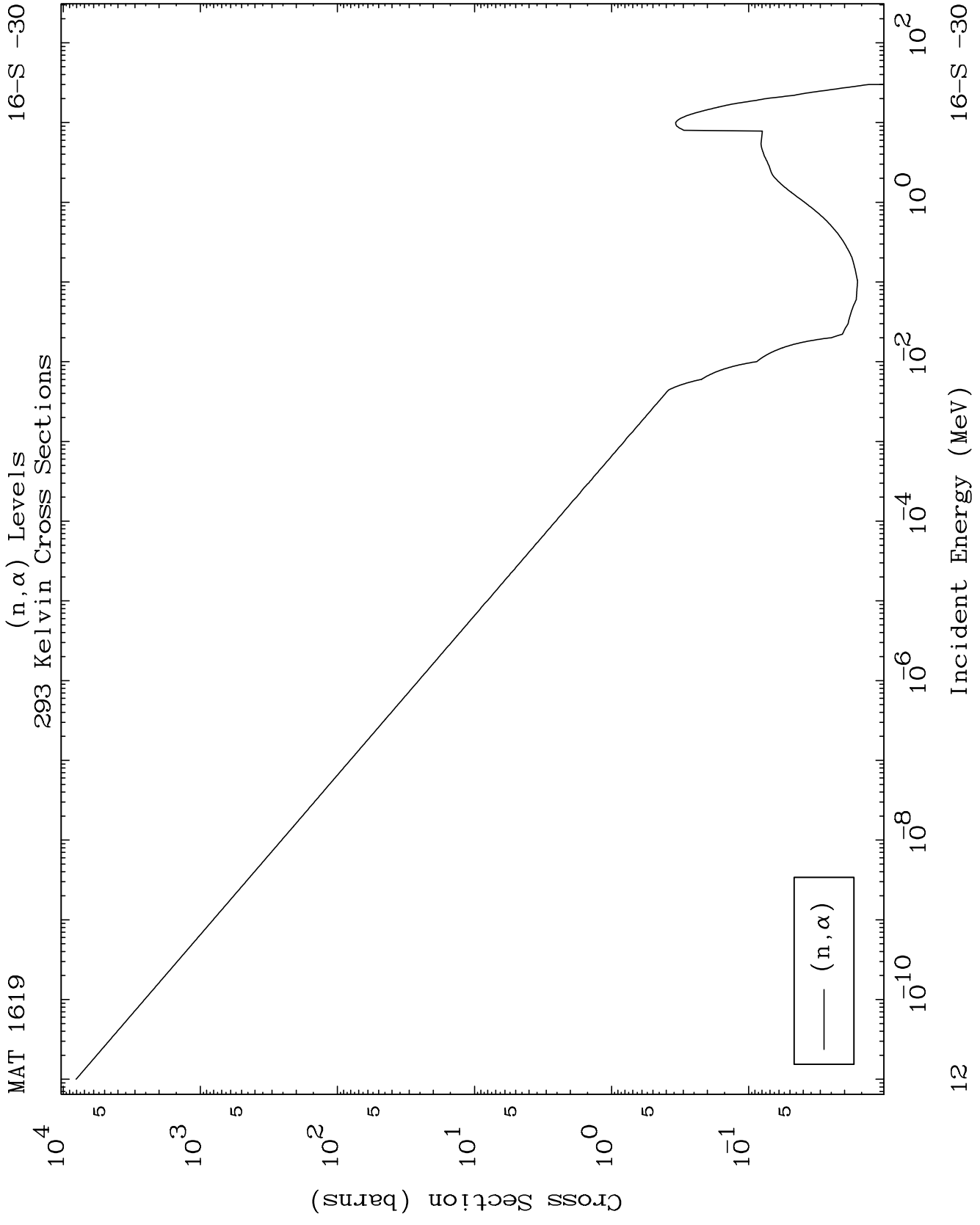
16-S -30

MAT 1619

(n,He3) Levels
293 Kelvin Cross Sections

16-S -30

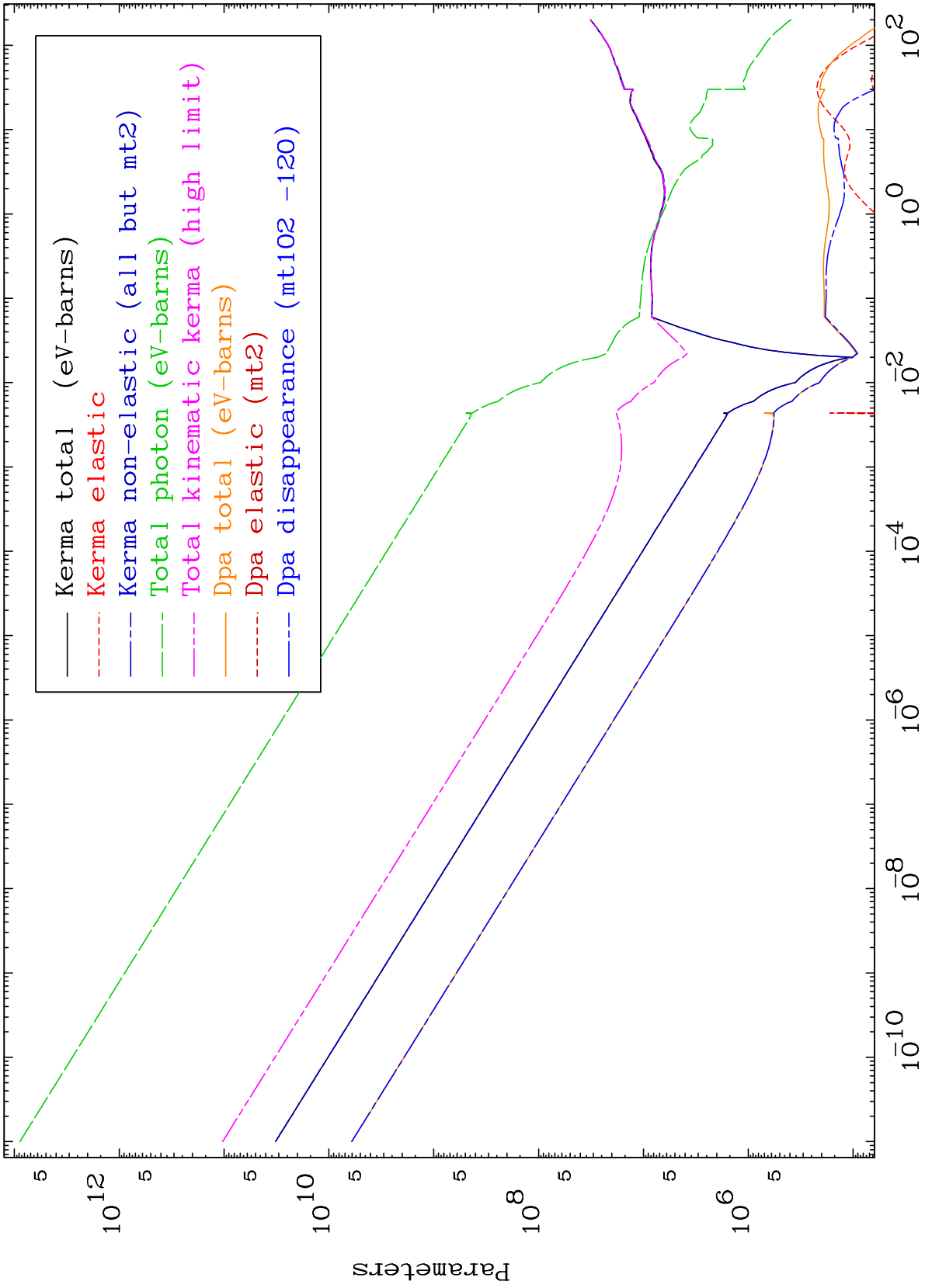




MAT 1619

Energy Release
Parameters

16-S -30



13

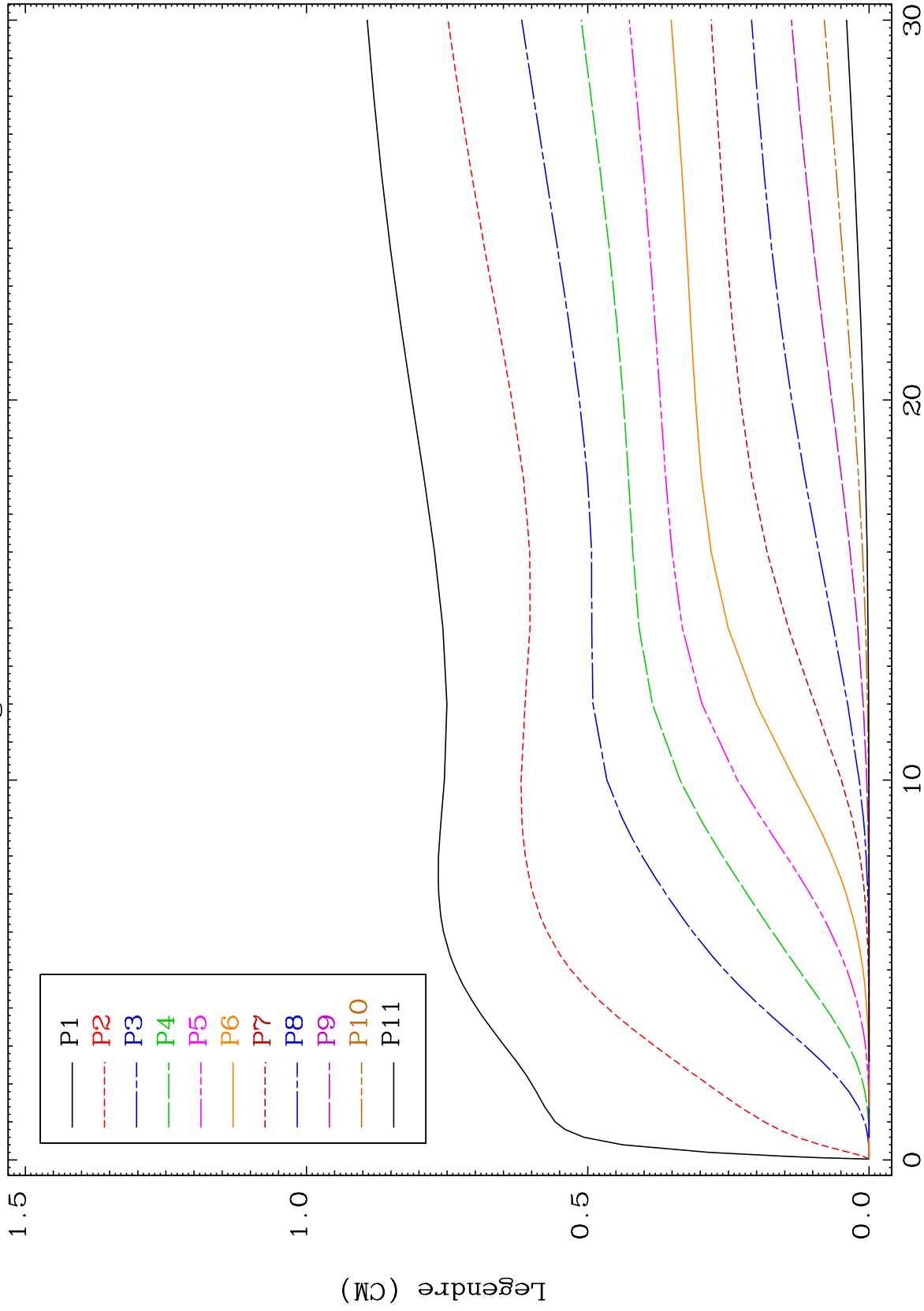
Incident Energy (MeV)

16-S -30

MAT 1619

Elastic Legendre Coefficients

16-S -30

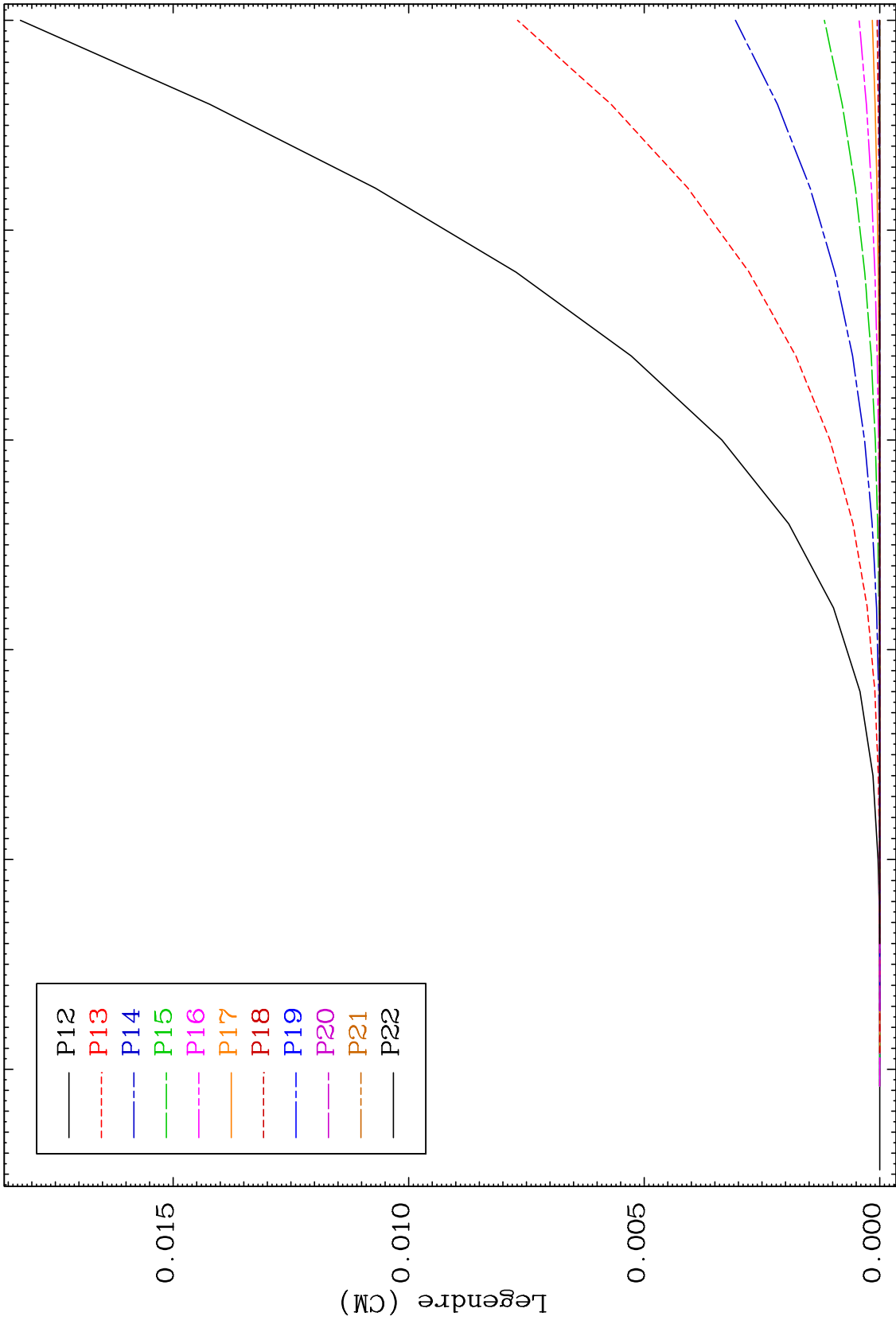


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MAT 1619

Elastic Legendre Coefficients

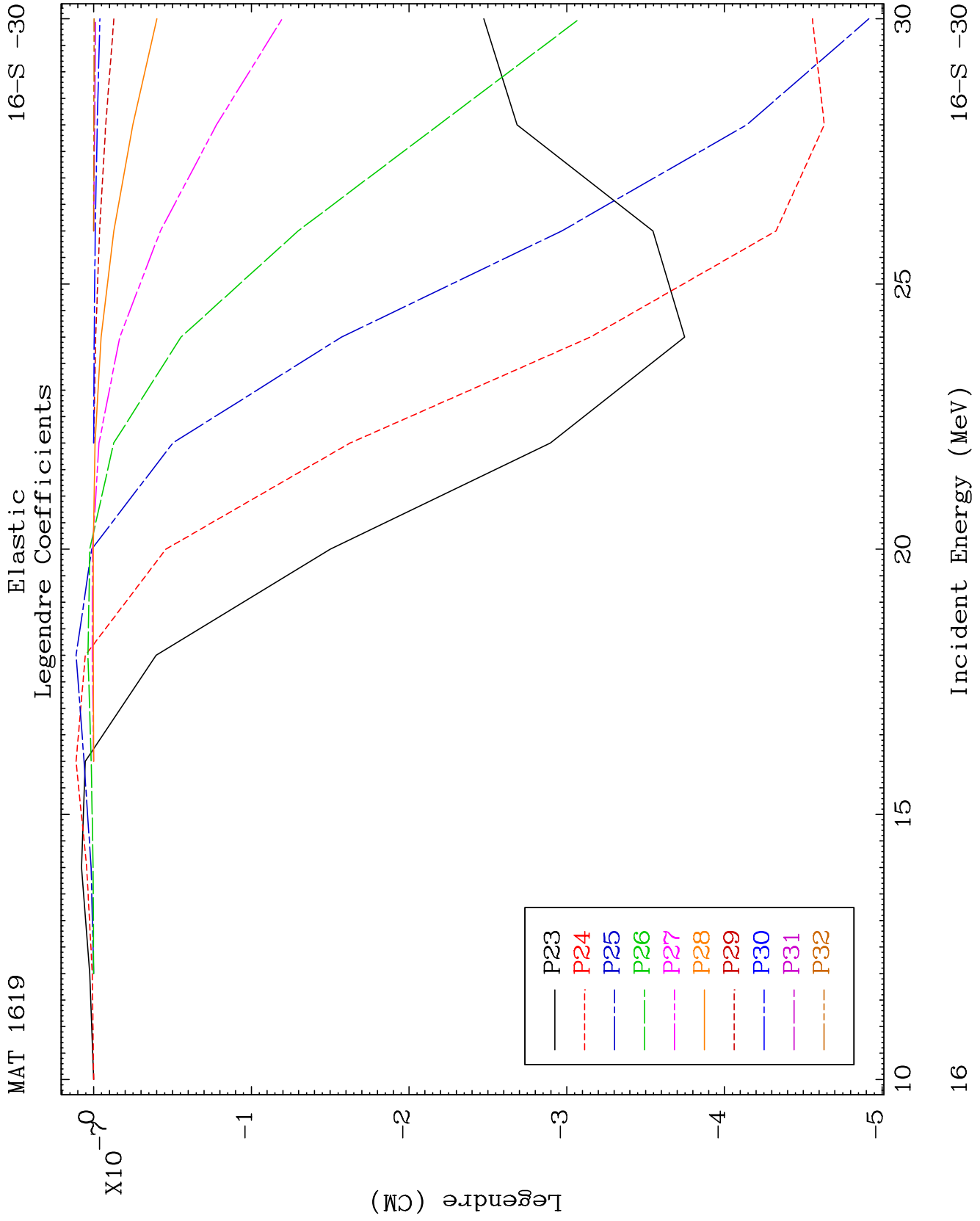
16-S -30



15

Incident Energy (MeV)

16-S -30



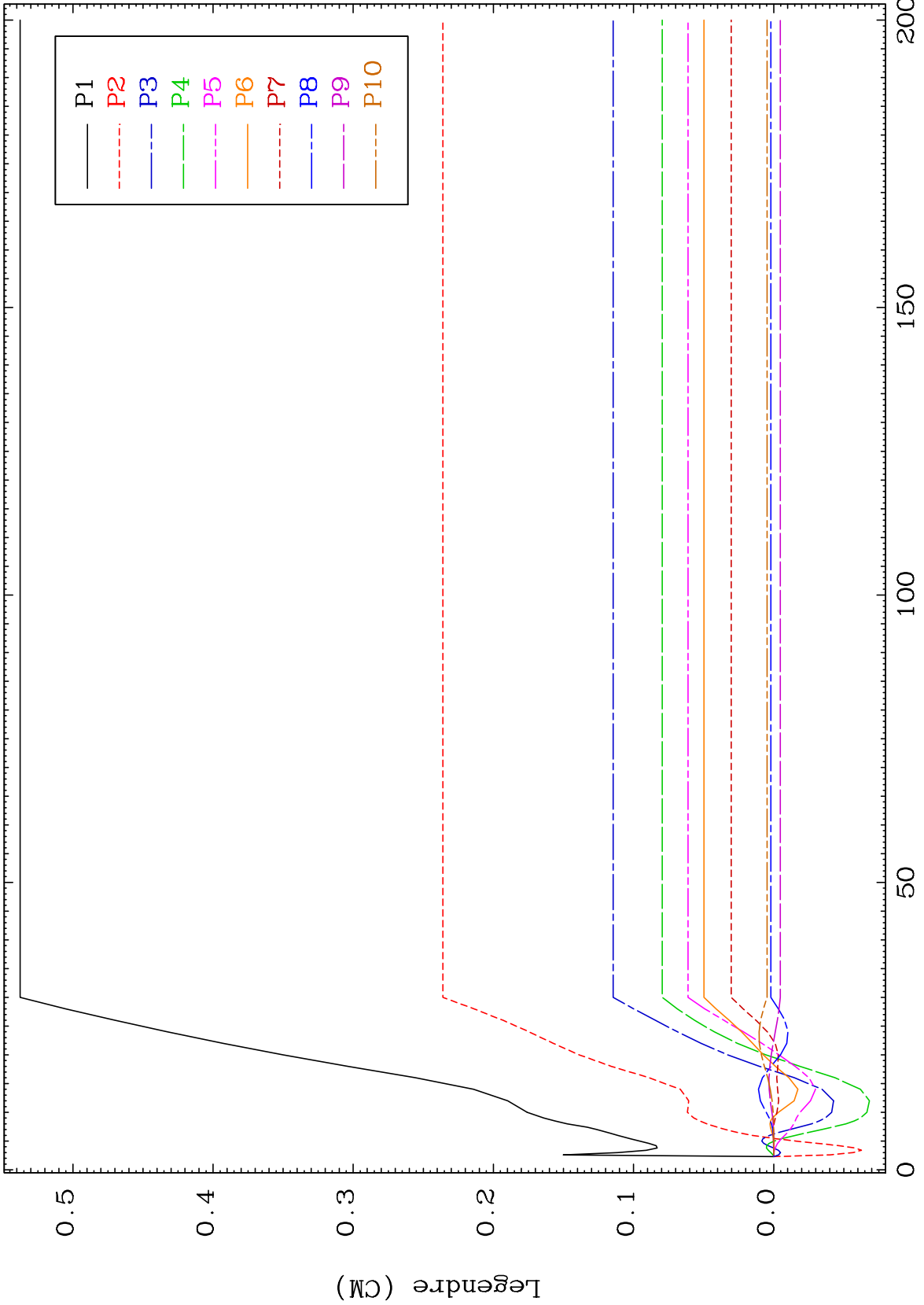
MAT 1619 MT= 51 (n,n') Level Legendre Coefficients

16-S -30

16-S -30

Incident Energy (MeV)

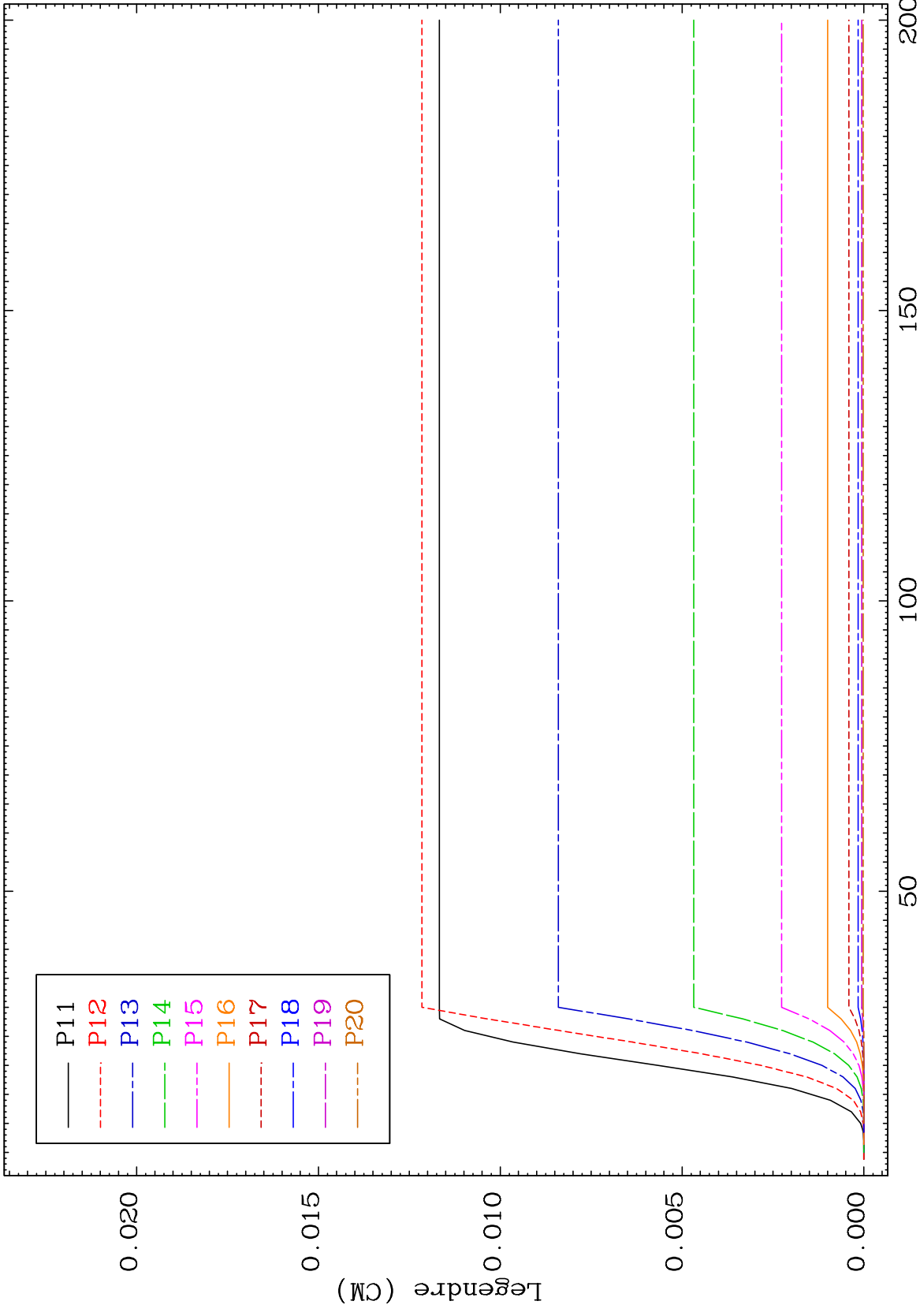
17



MAT 1619

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

16-S -30

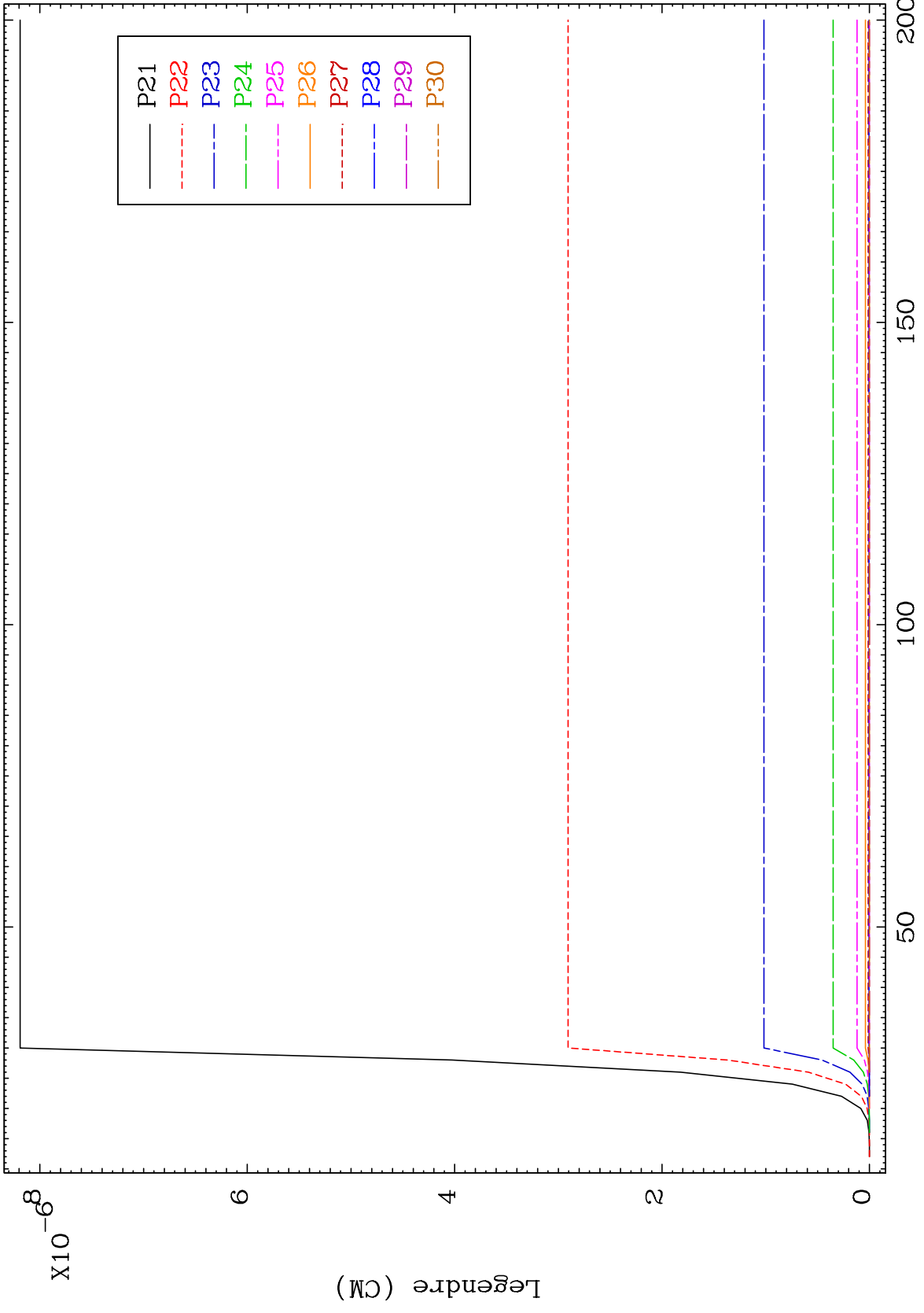


18

Incident Energy (MeV)

16-S -30

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

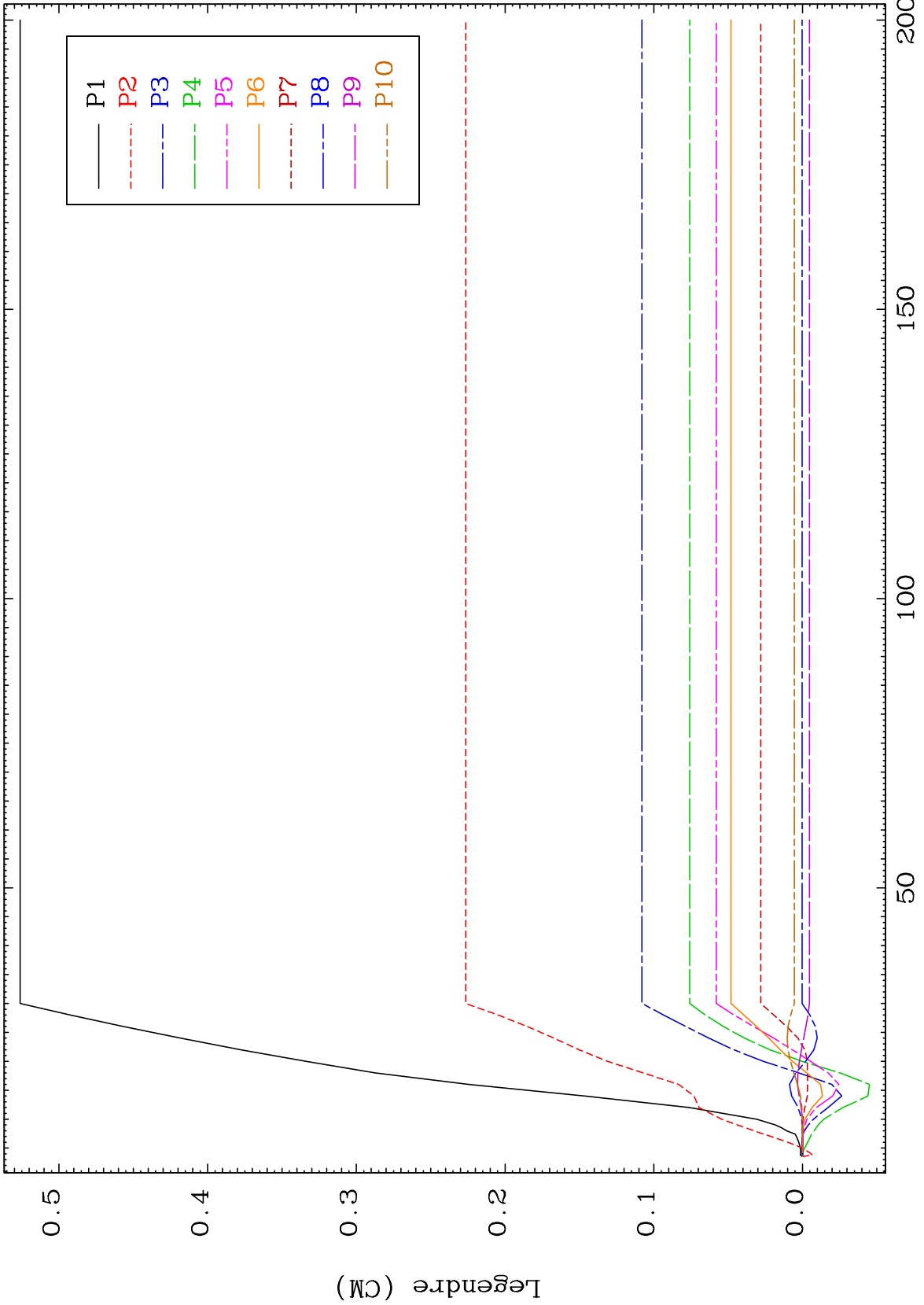


19 50 100 150 200 16-S -30

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

16-S -30

16-S -30



20

50

100

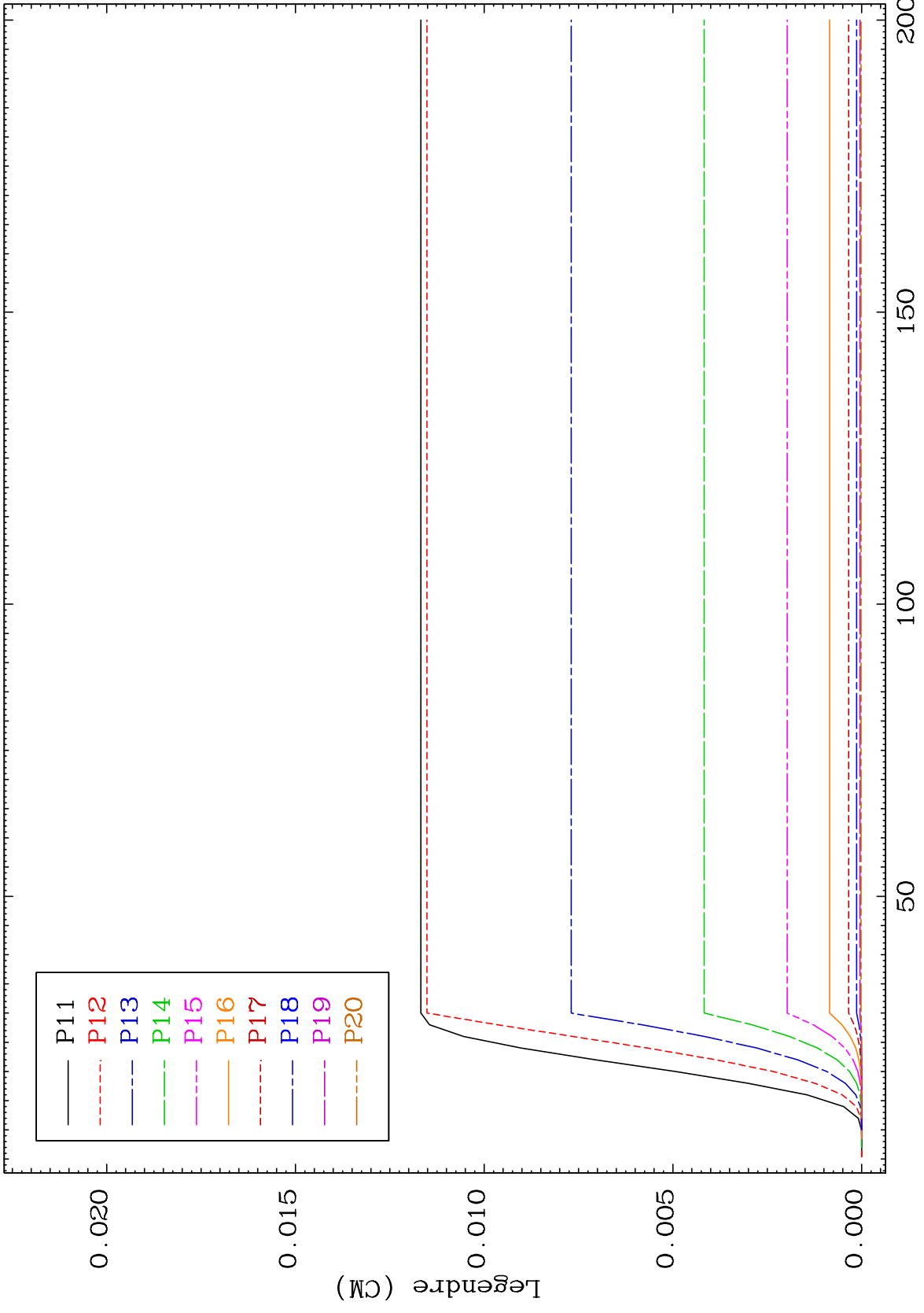
150

200

MAT 1619

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

16-S -30

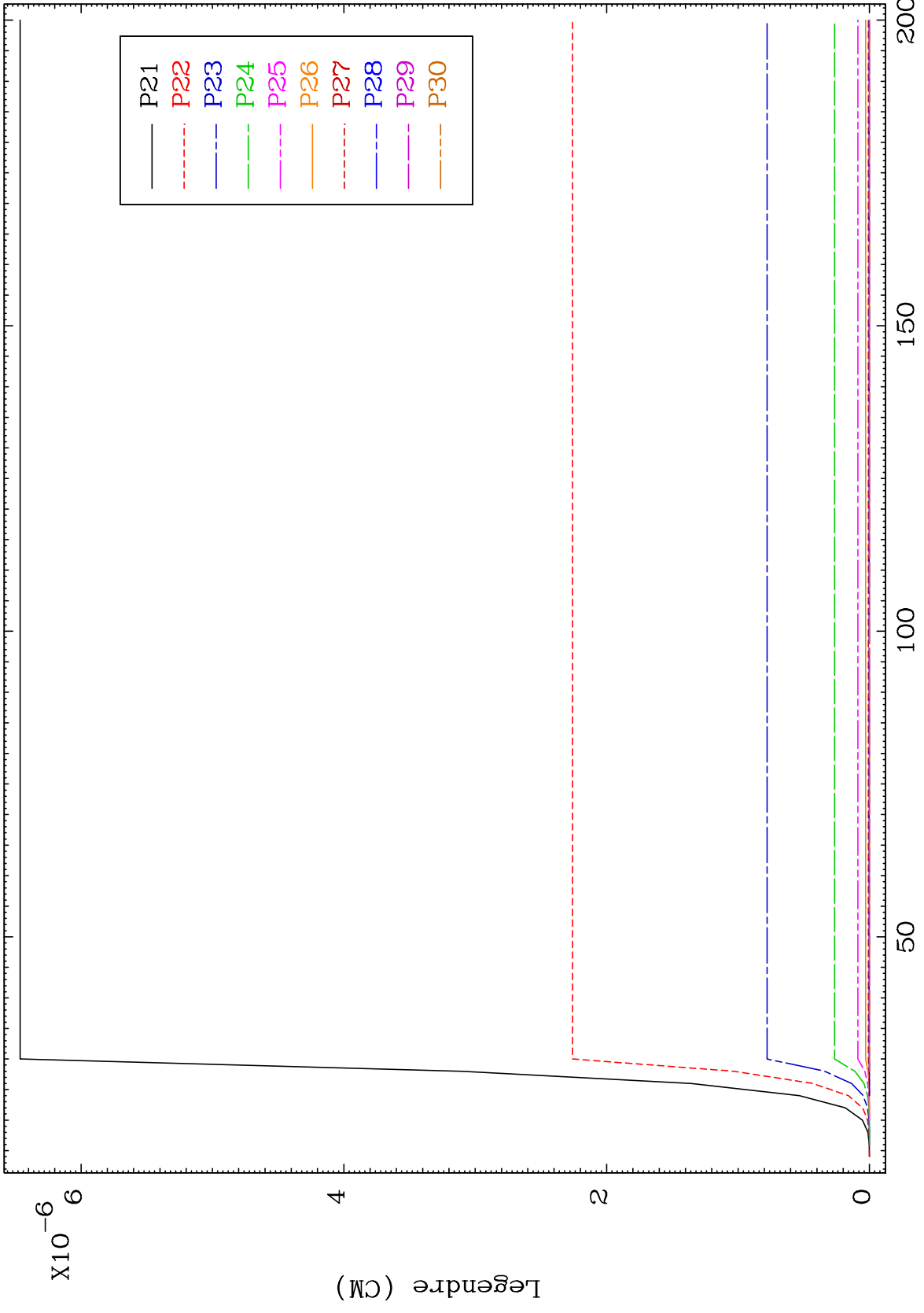


21

Incident Energy (MeV)

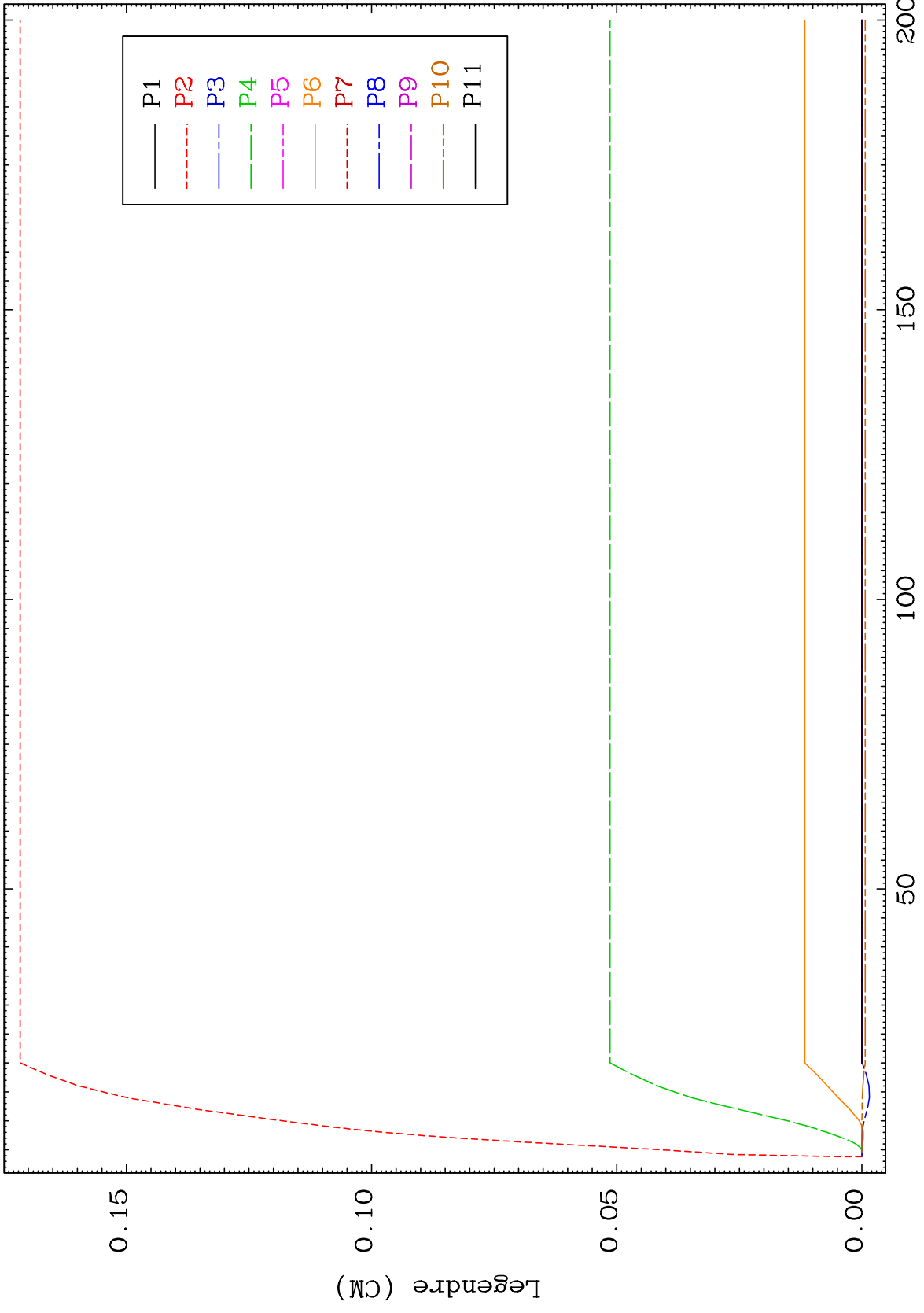
16-S -30

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



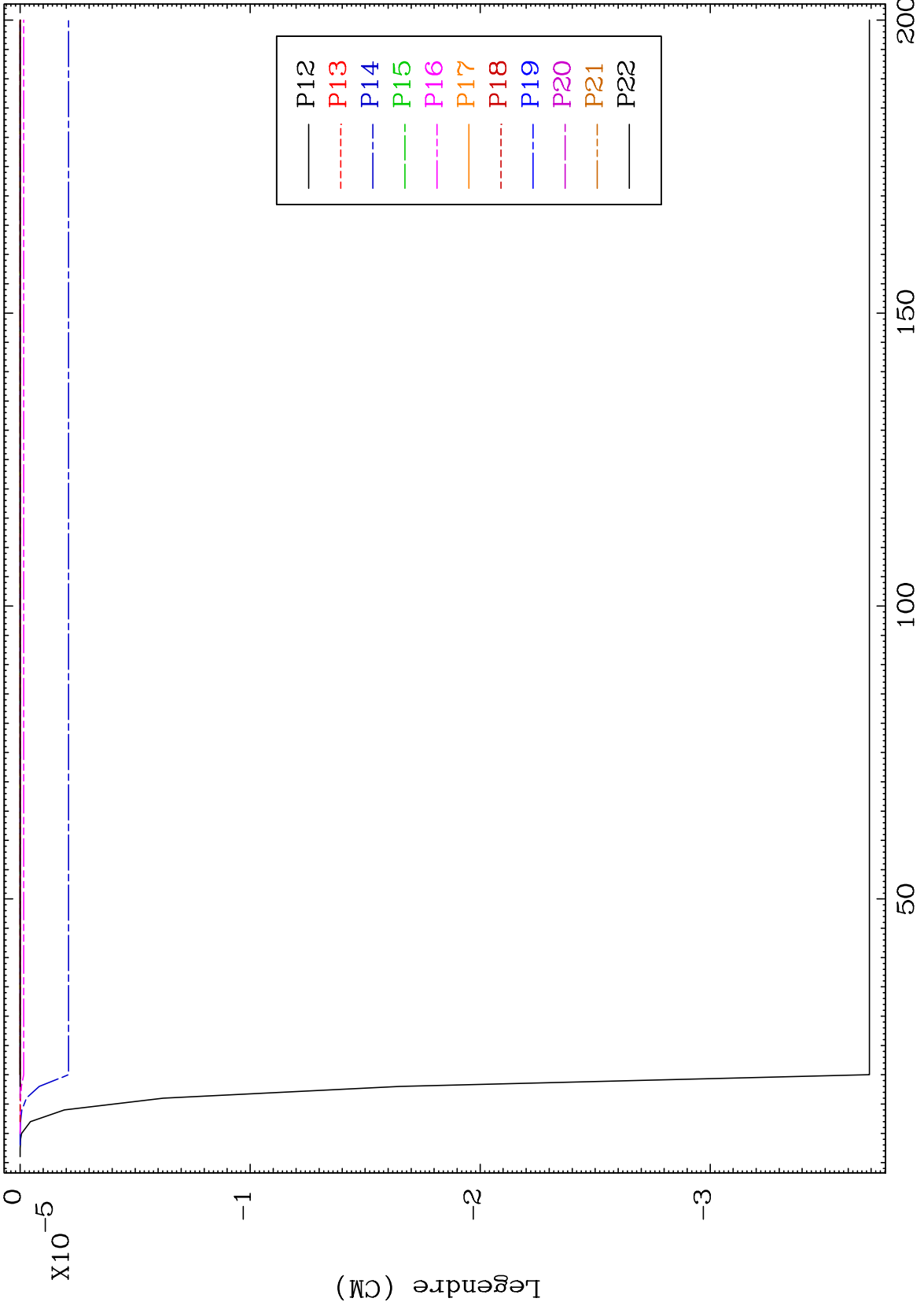
22 50 100 150 200 Incident Energy (MeV) 16-S -30

MAT 1619 MT= 53 (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

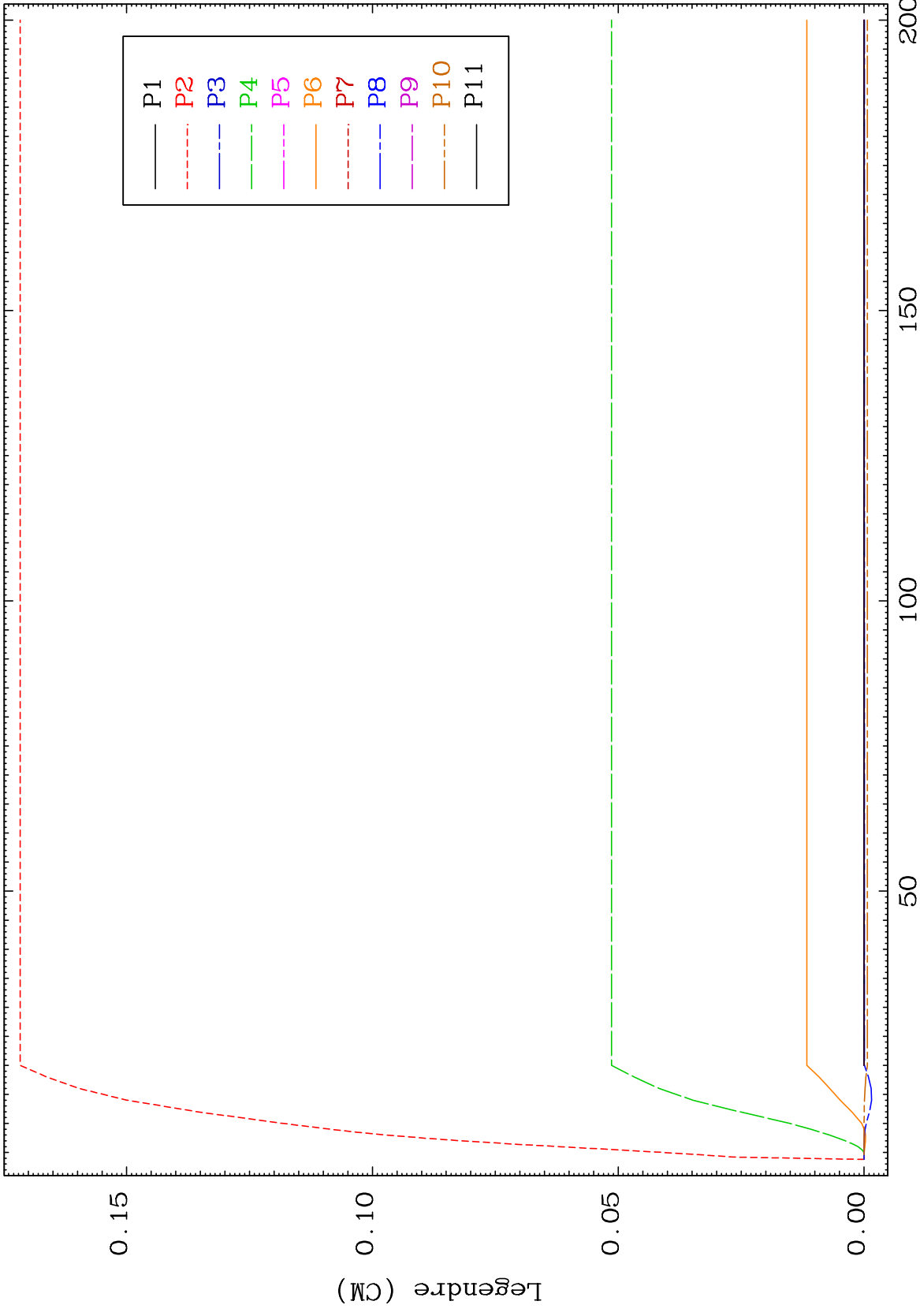


24 16-S -30

MAT 1619 MT= 54 (n,n') Level Legendre Coefficients

16-S -30

16-S -30



25

50

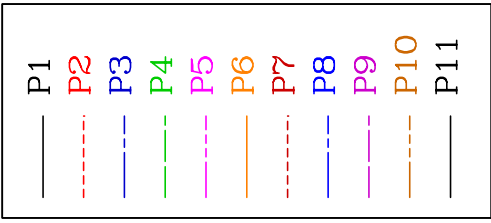
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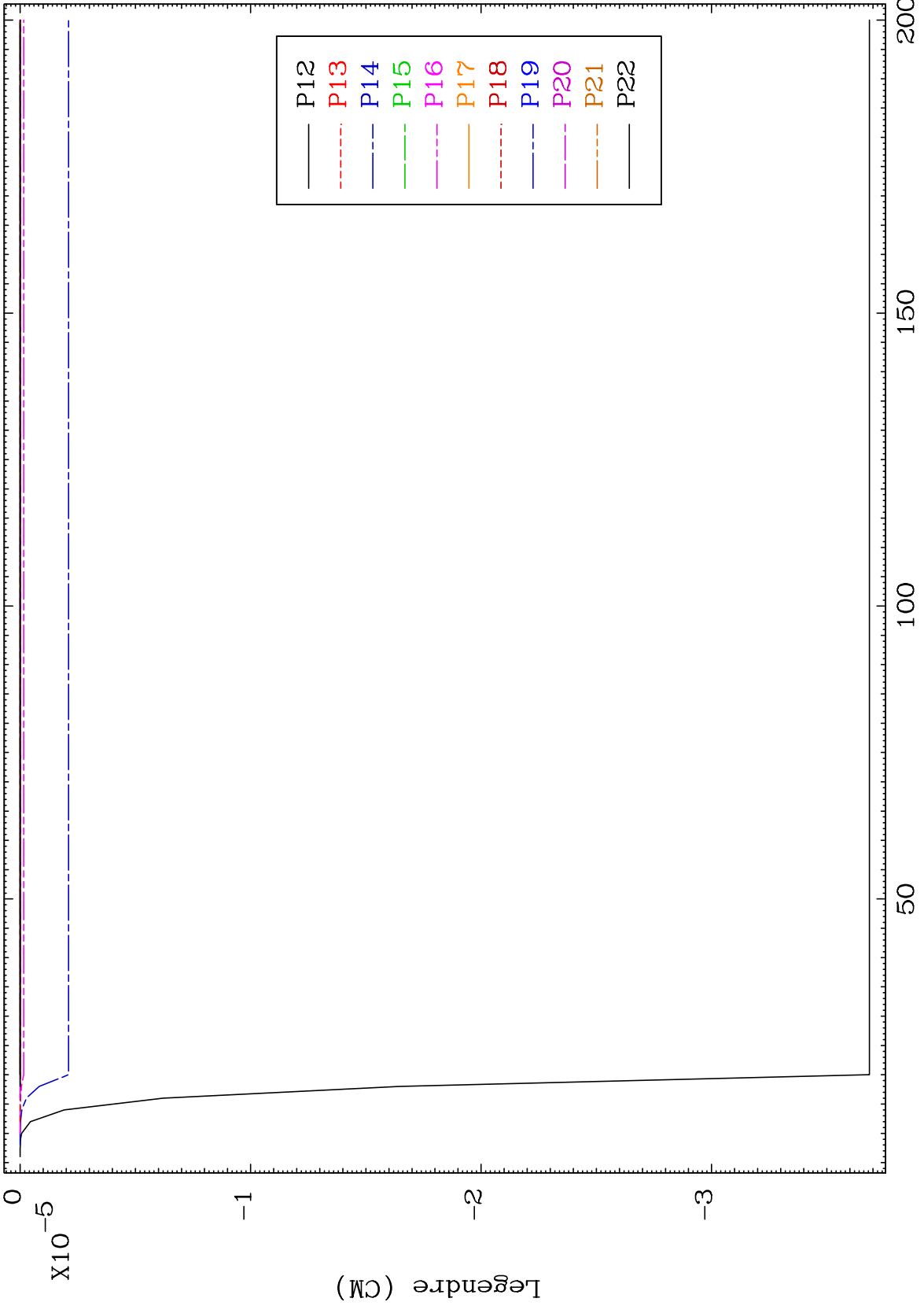
200

Legendre (CM)

Incident Energy (MeV)



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



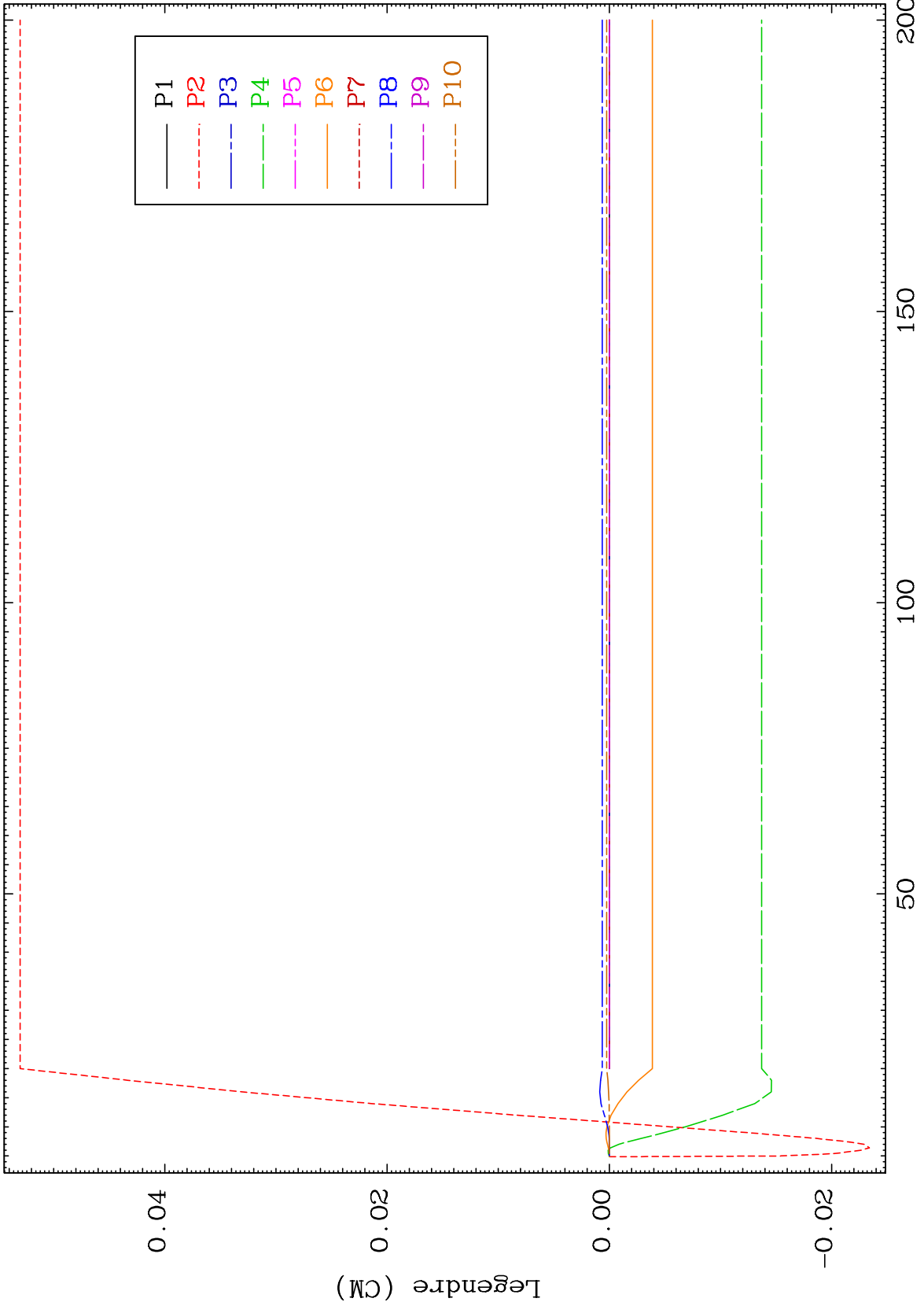
MAT 1619 MT= 55 (n,n') Level Legendre Coefficients

16-S -30

16-S -30

Incident Energy (MeV)

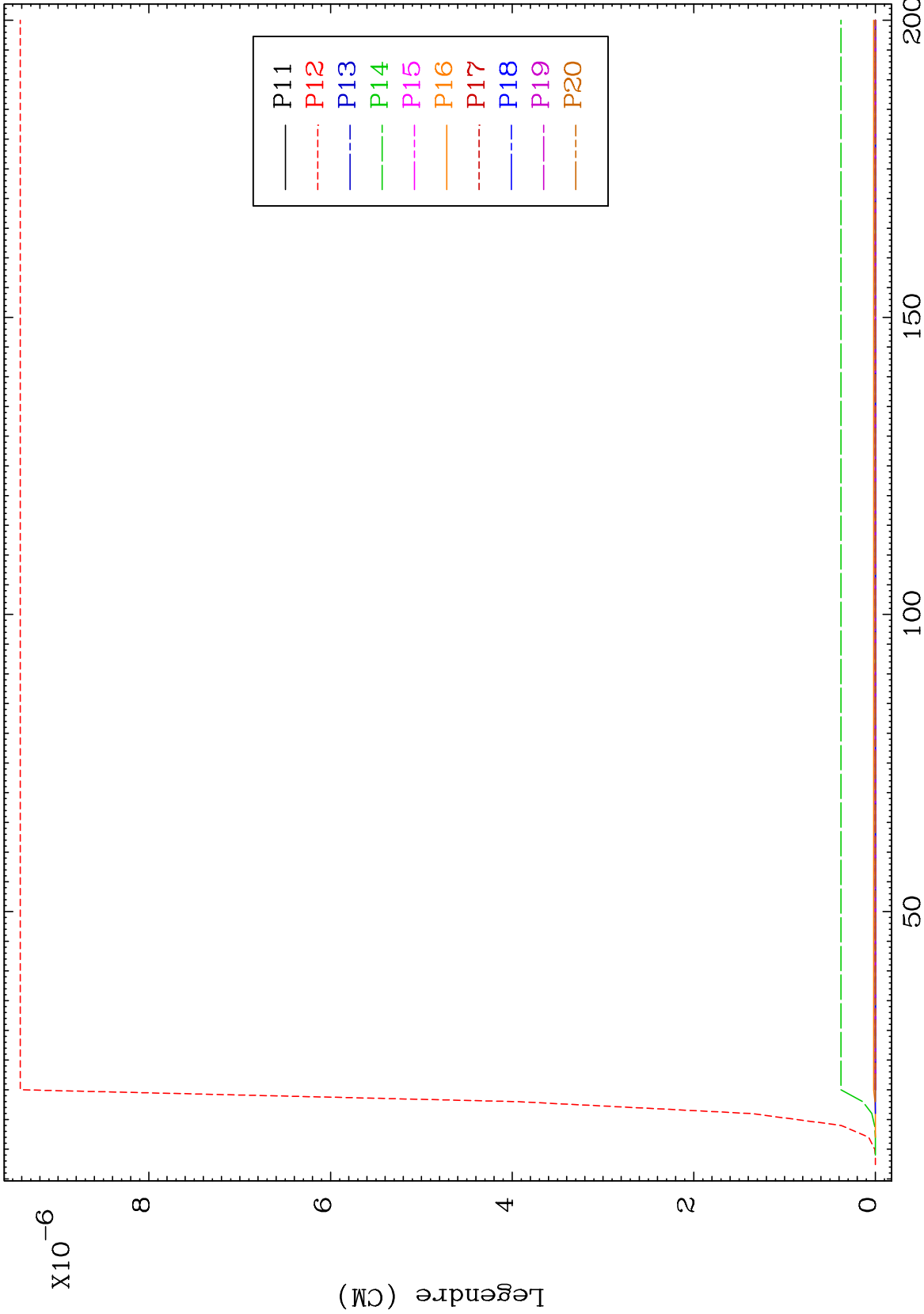
27



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

16-S -30

16-S -30

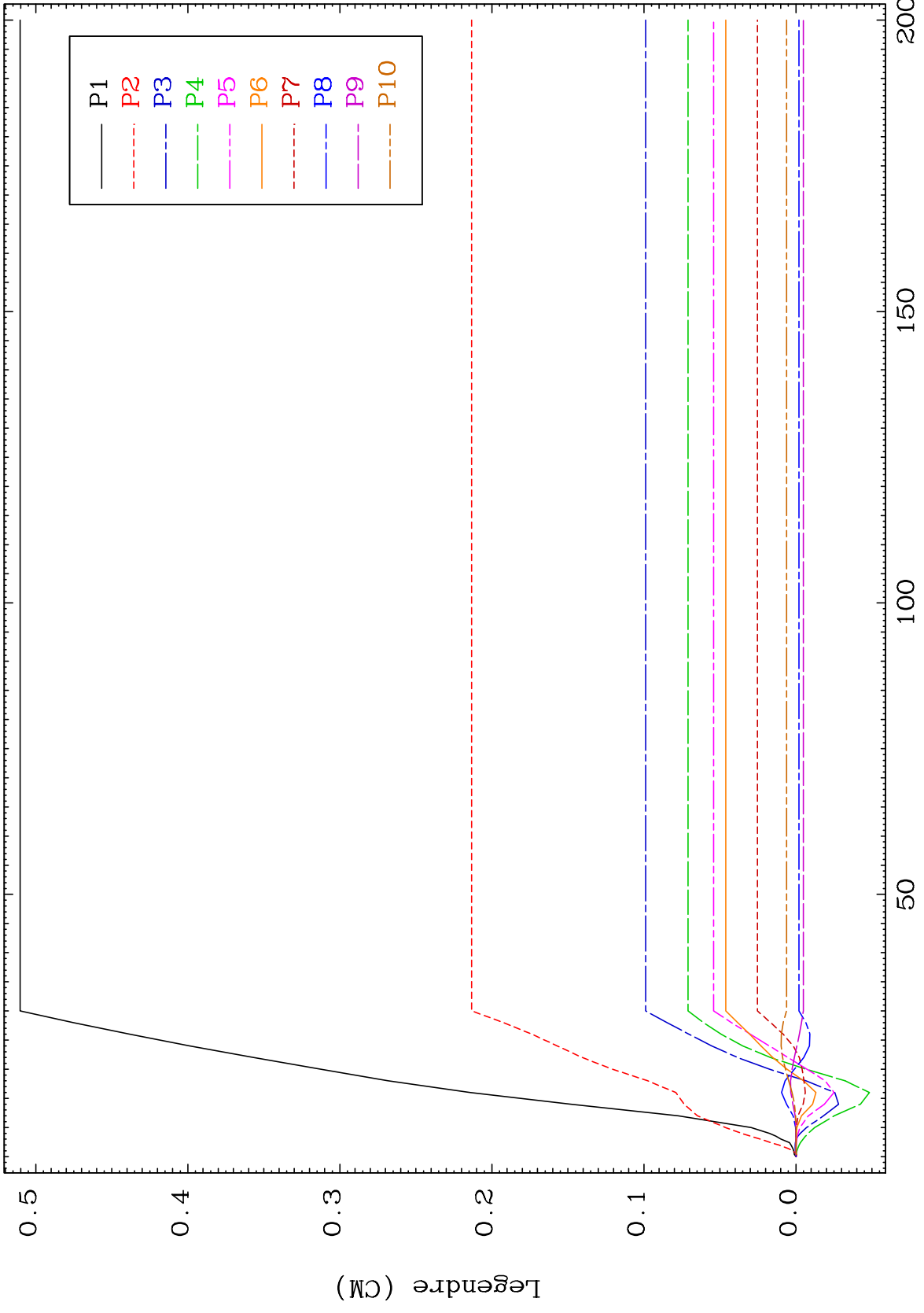


28

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

16-S -30

16-S -30

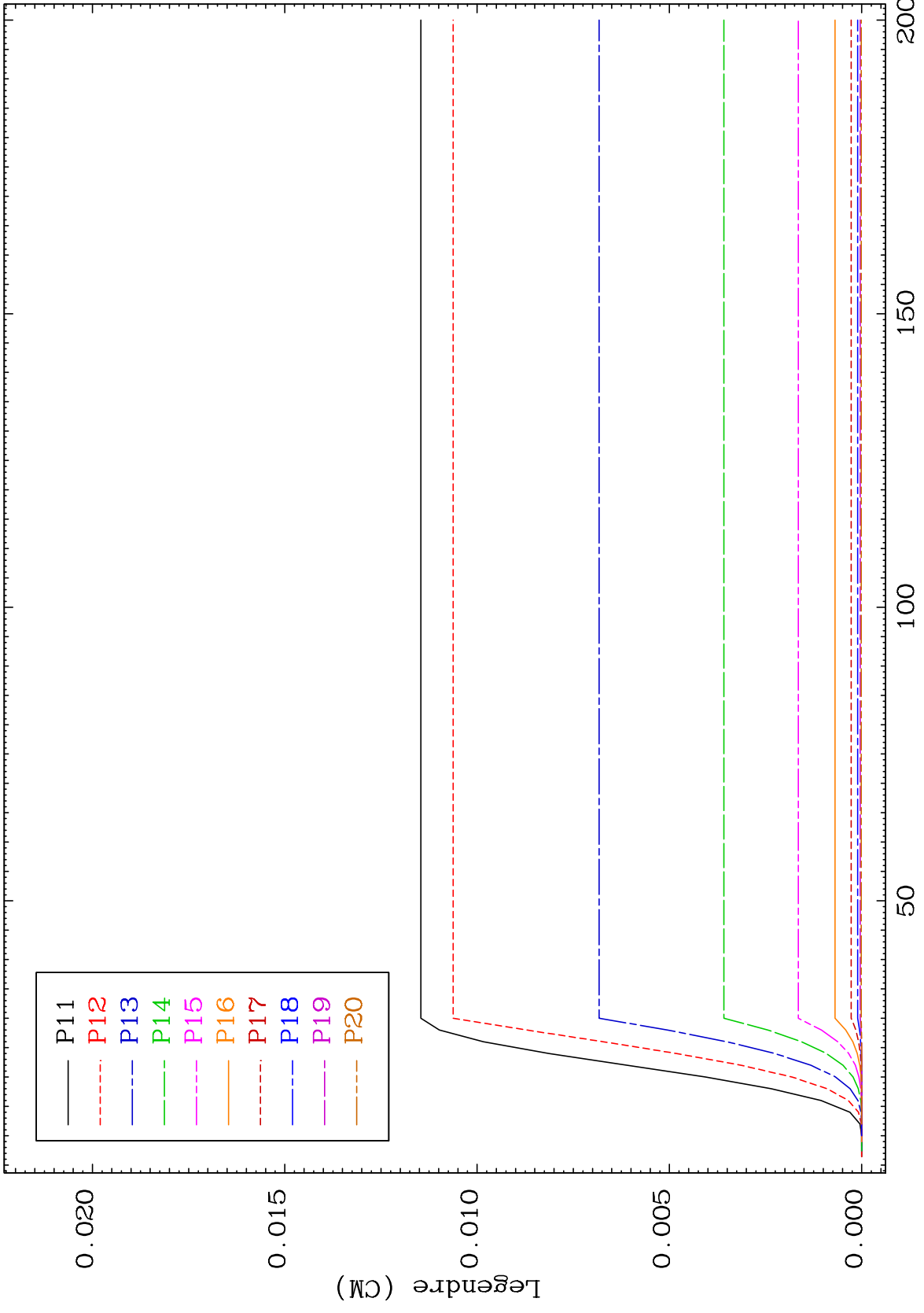


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MAT 1619

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

16-S -30



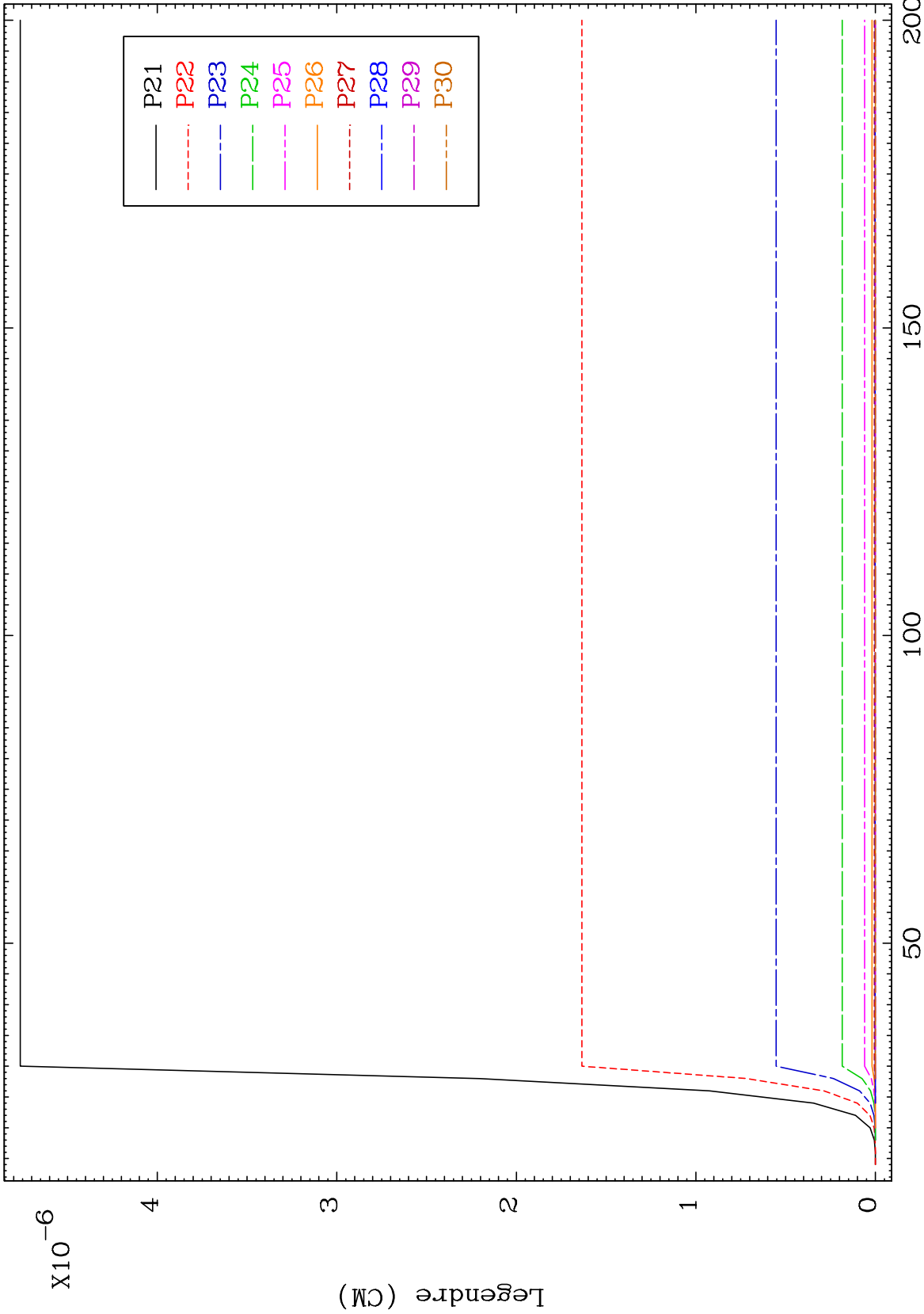
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16-S -30

MAT 1619

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

16-S -30



31

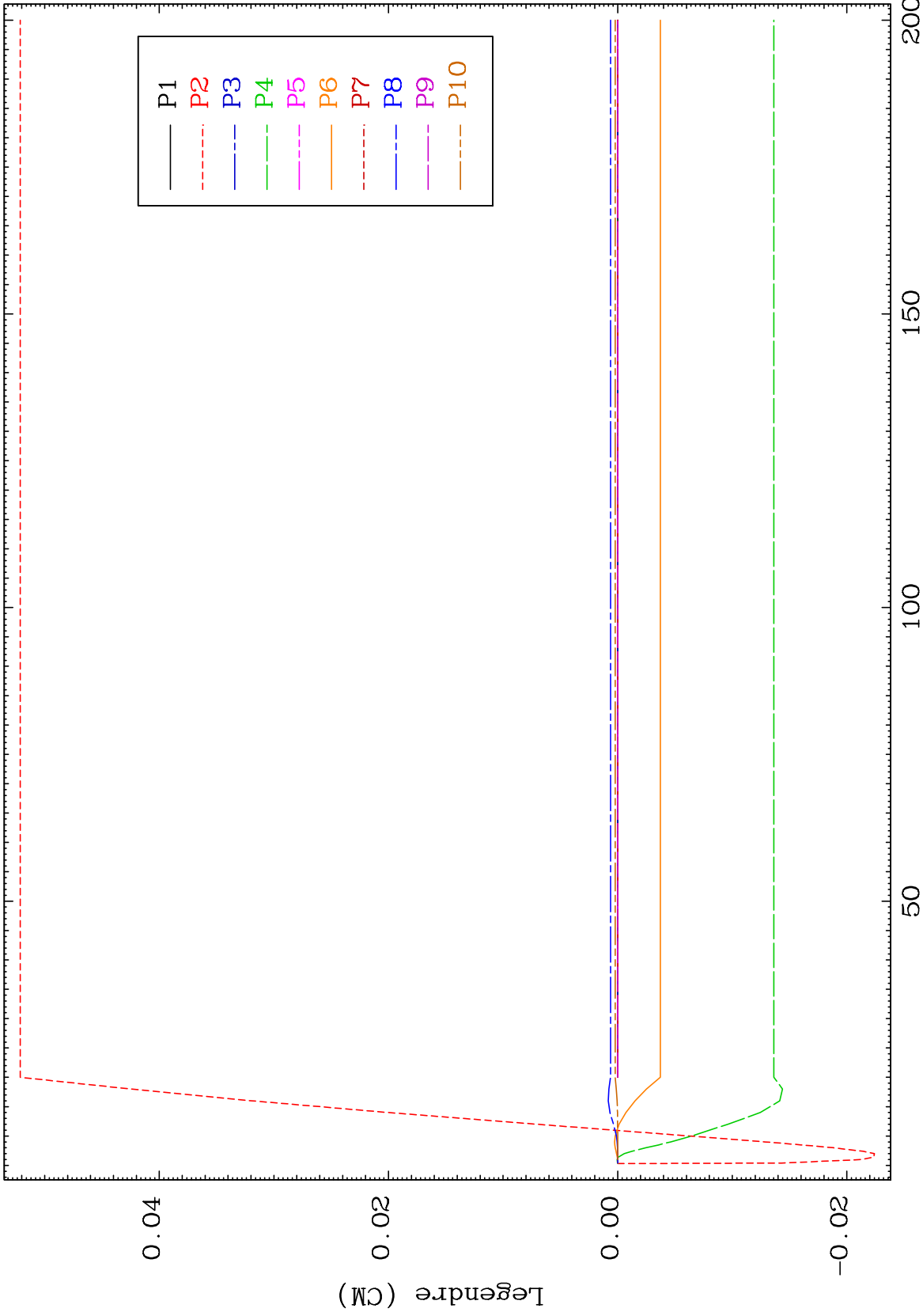
Incident Energy (MeV)

16-S -30

MAT 1619

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

16-S -30



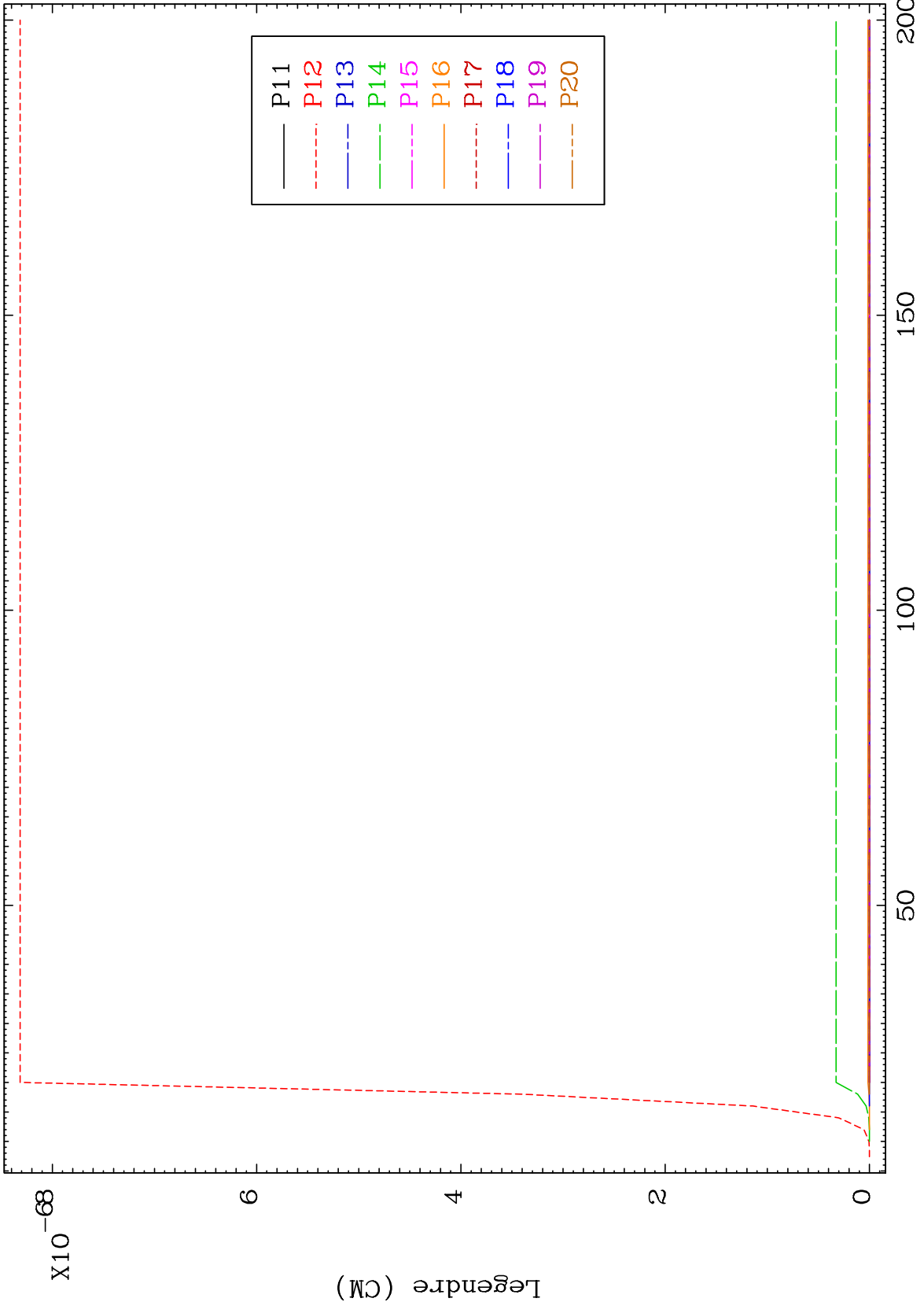
32

Incident Energy (MeV)

16-S -30

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

16-S -30



33

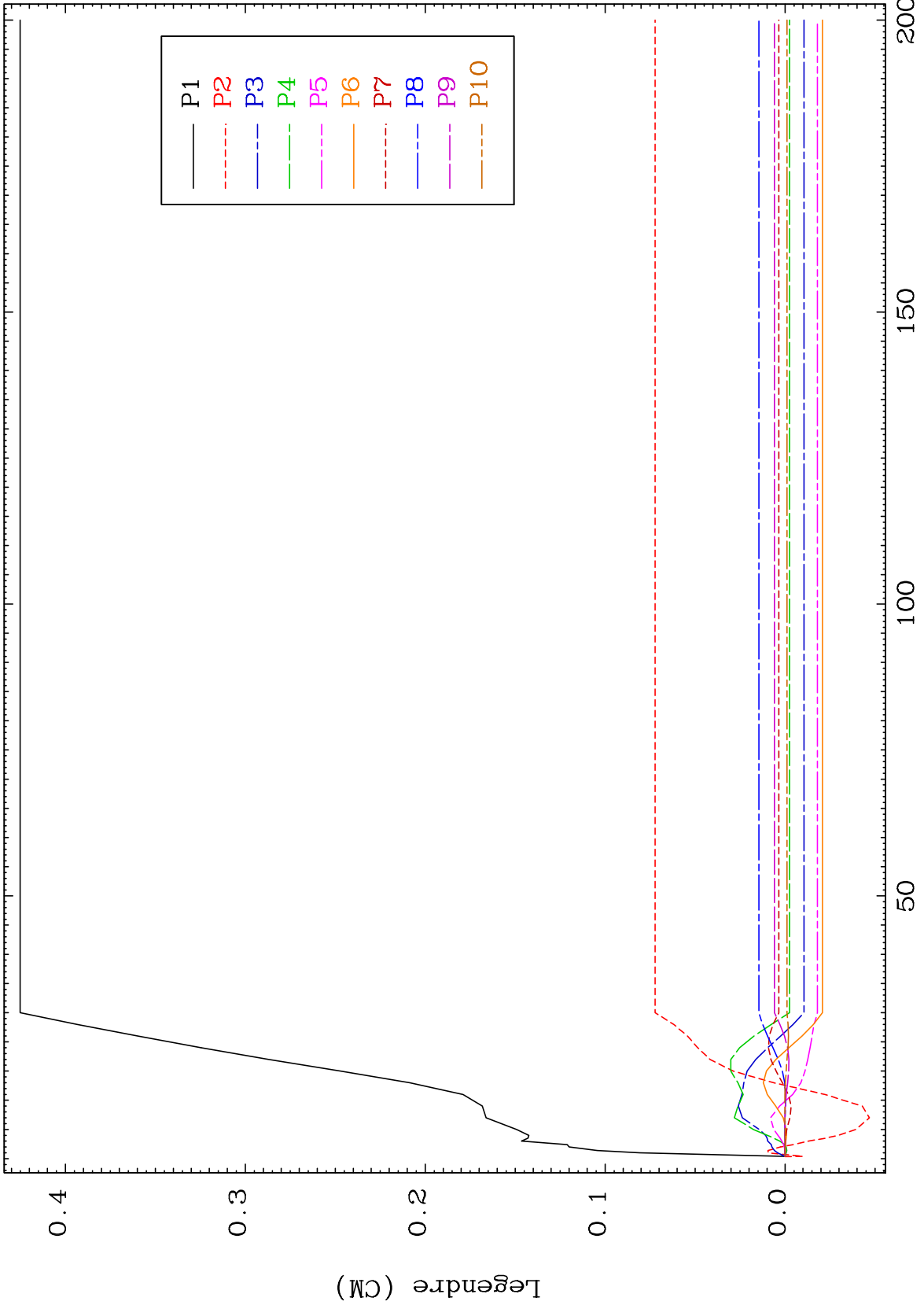
Incident Energy (MeV)

16-S -30

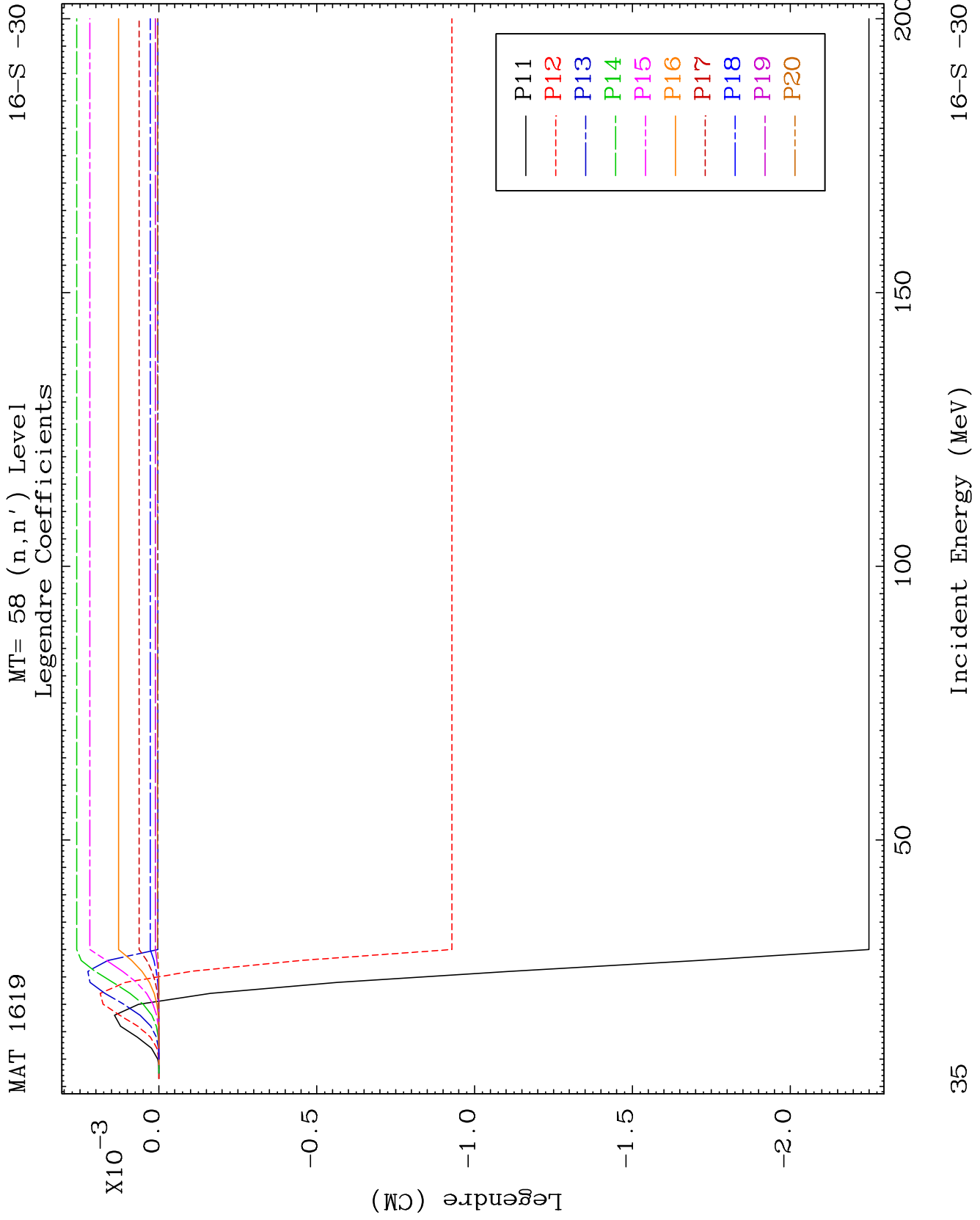
MAT 1619 MT= 58 (n,n') Level Legendre Coefficients

16-S -30

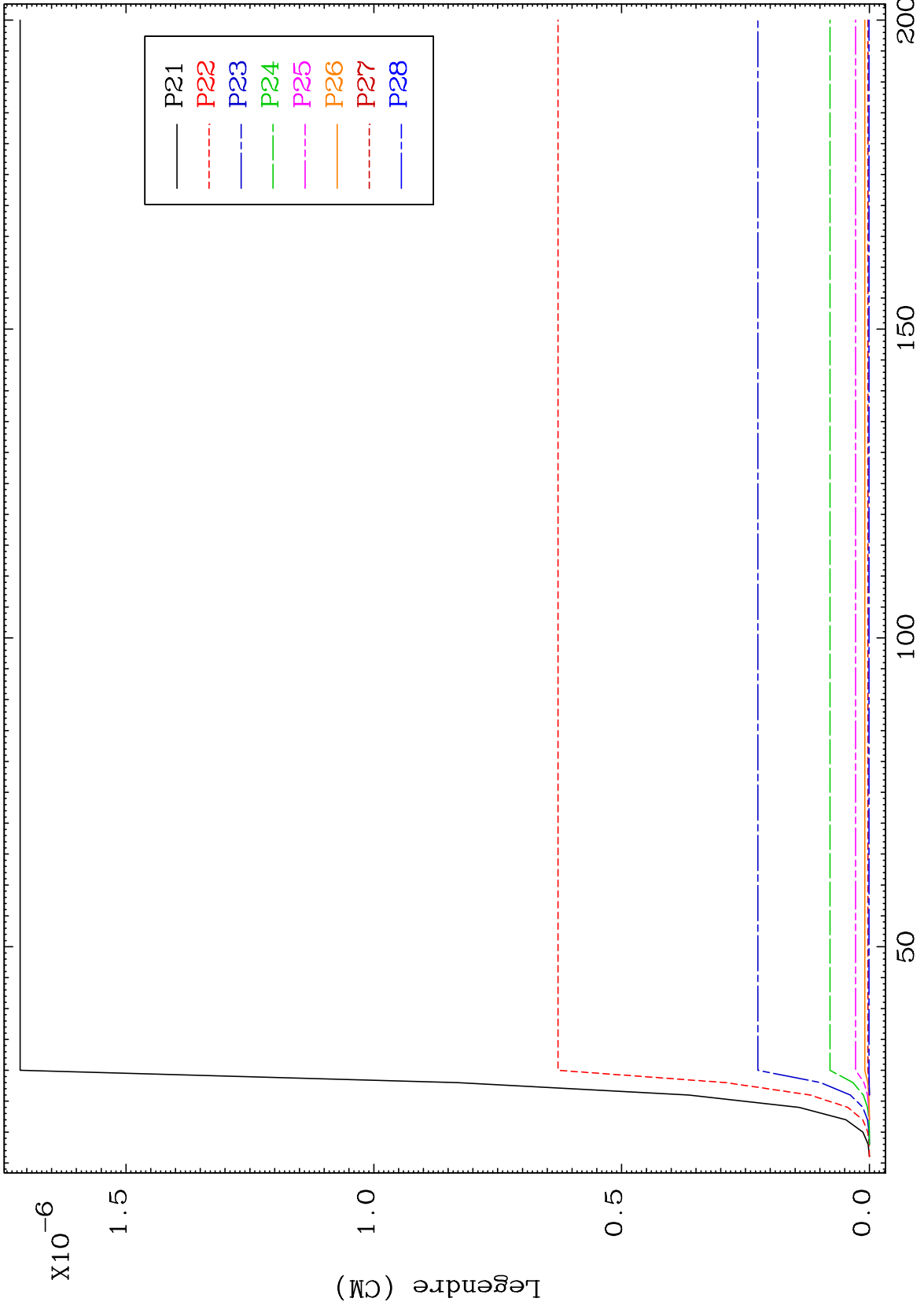
16-S -30



34

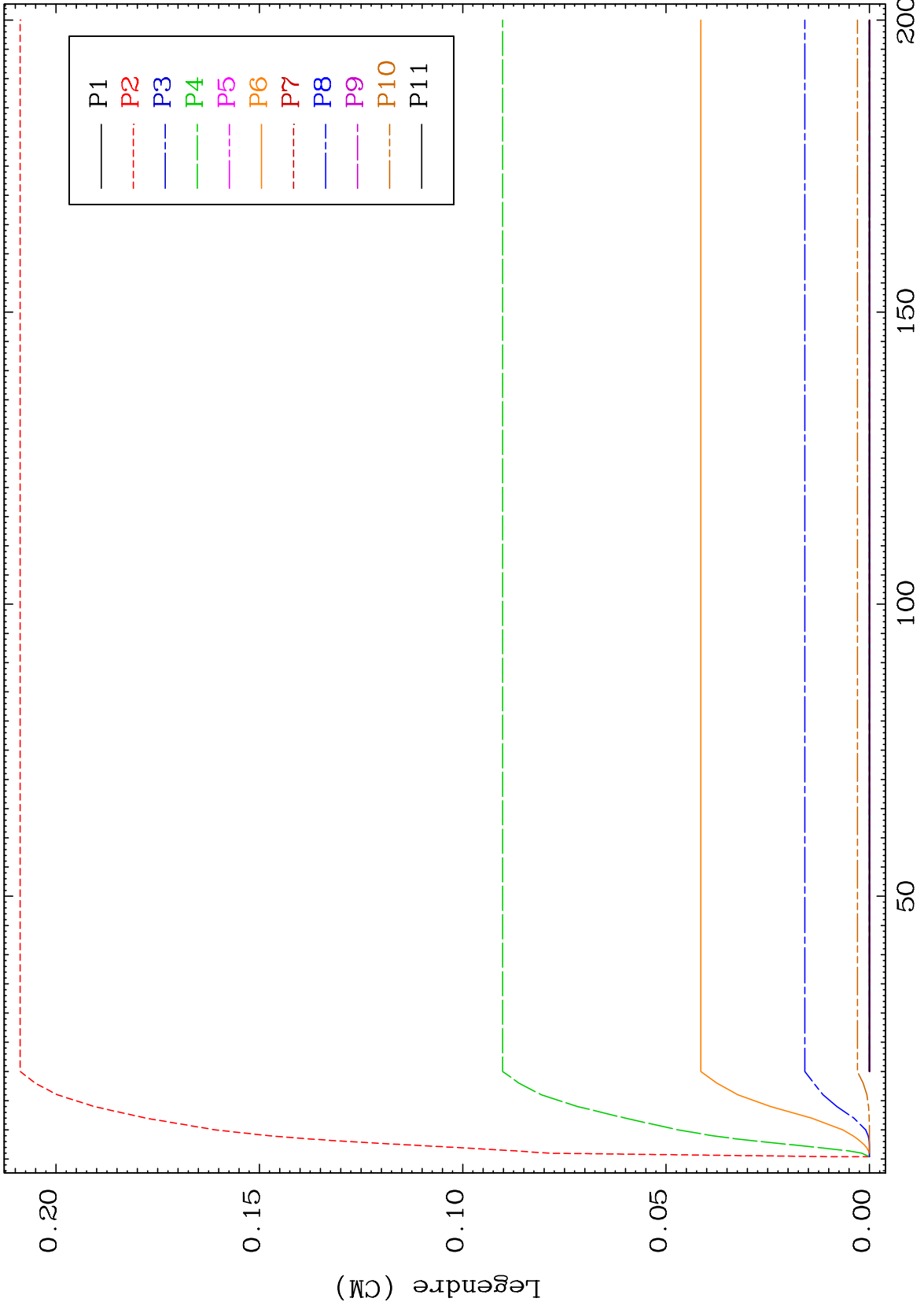


MAT 1619 MT= 58 (n,n') Level Legendre Coefficients 16-S -30



36 Incident Energy (MeV) 16-S -30

MAT 1619 MT= 59 (n,n') Level Legendre Coefficients 16-S -30

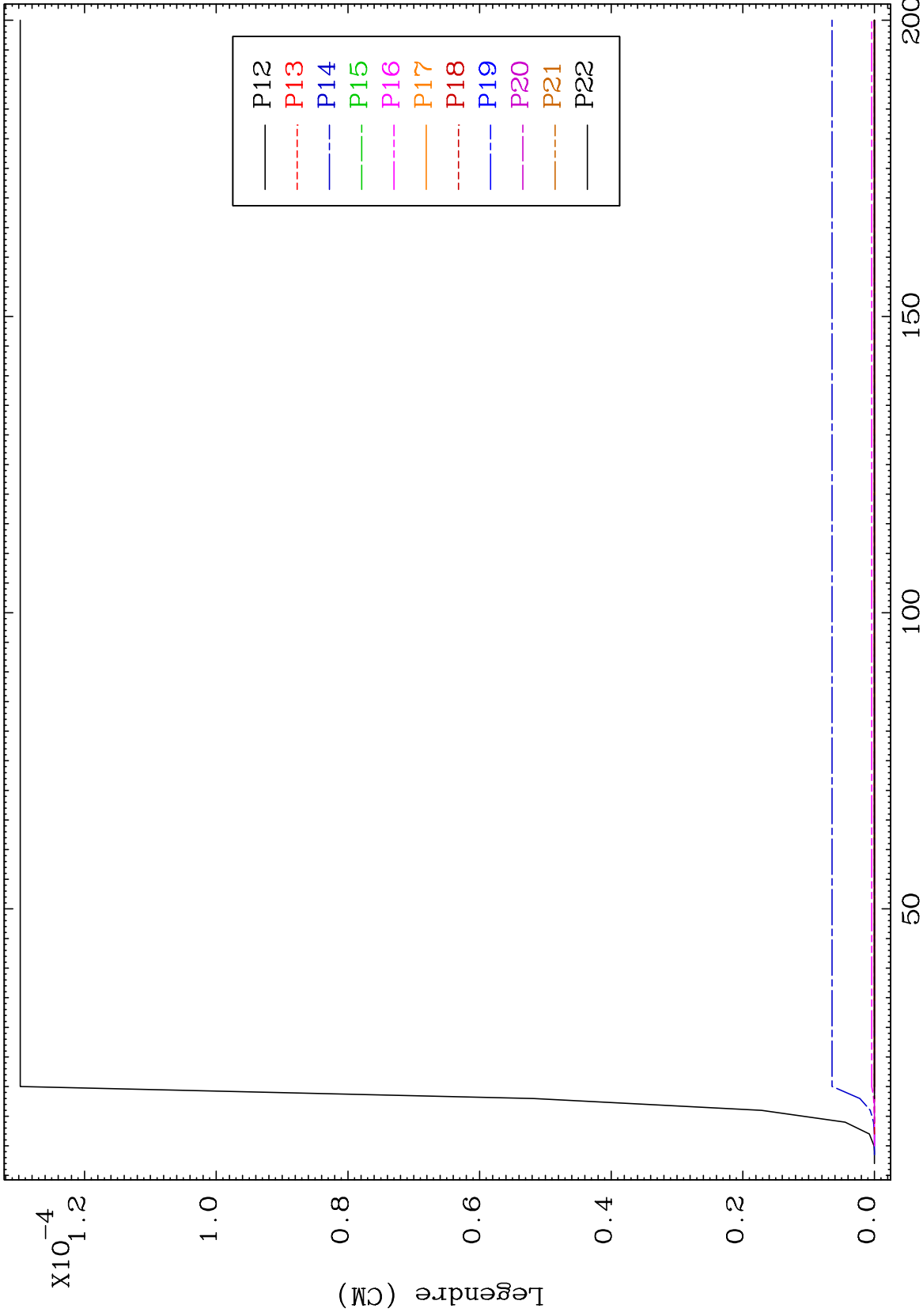


37 Incident Energy (MeV) 16-S -30

MAT 1619

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

16-S -30

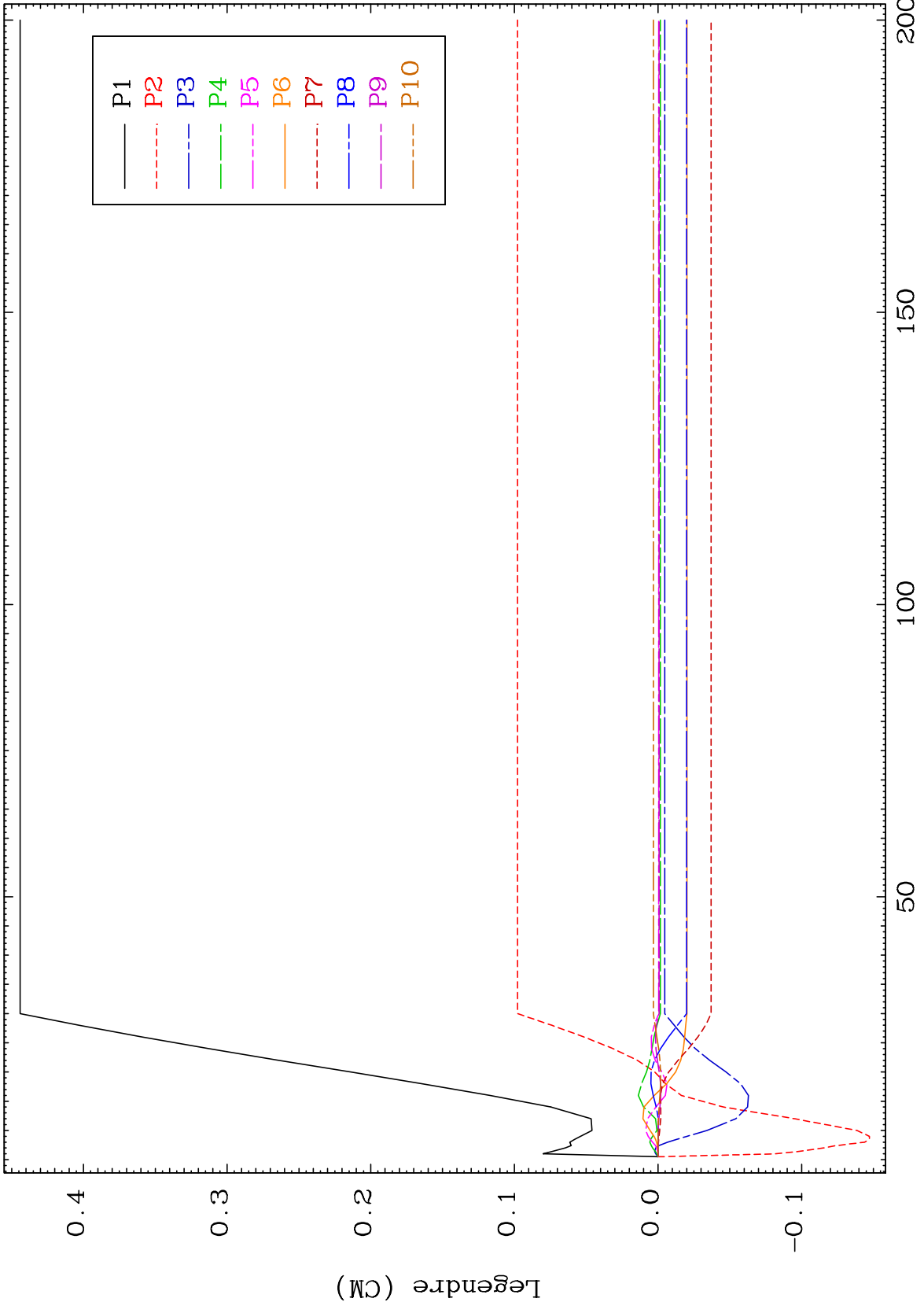


38

Incident Energy (MeV)

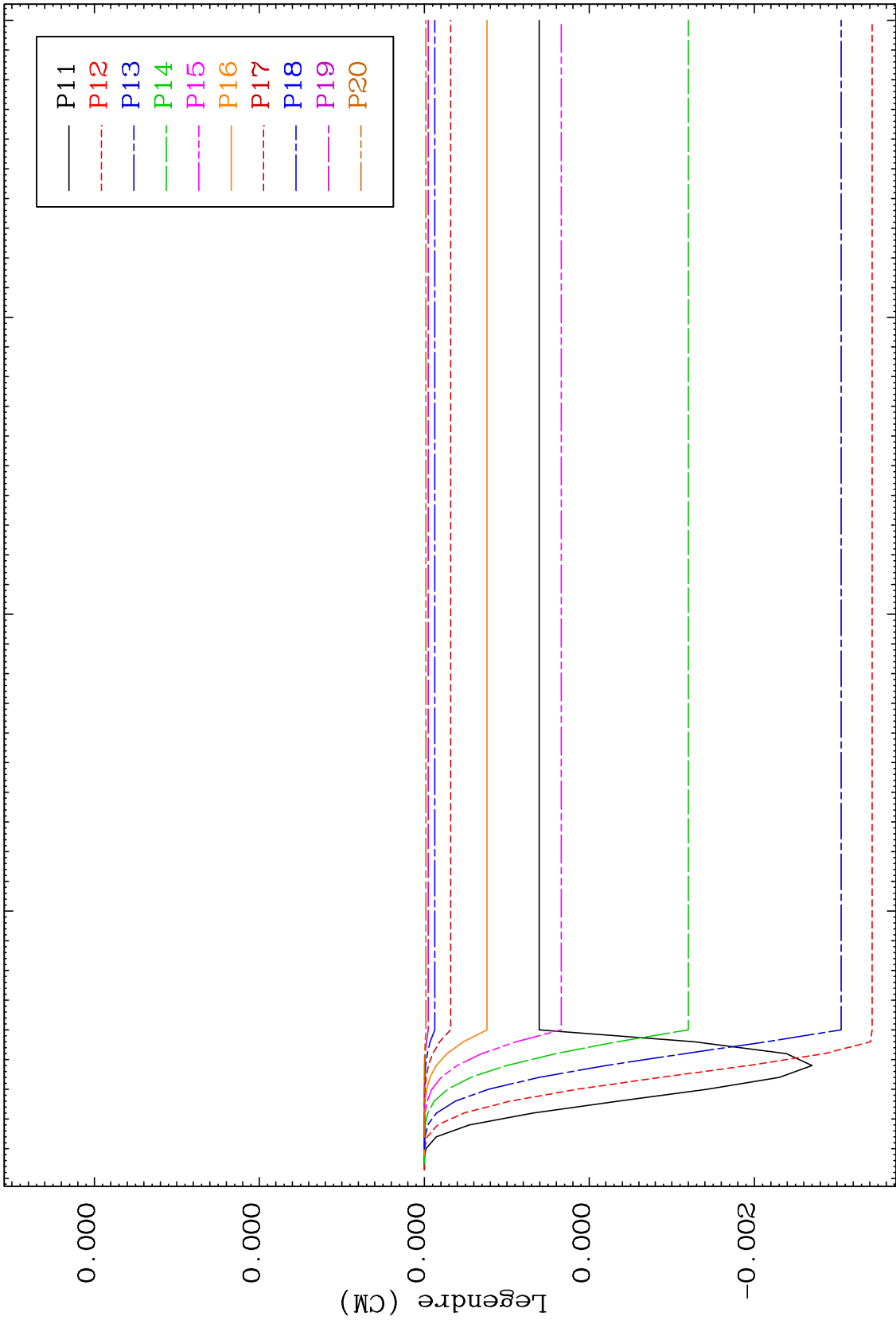
16-S -30

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



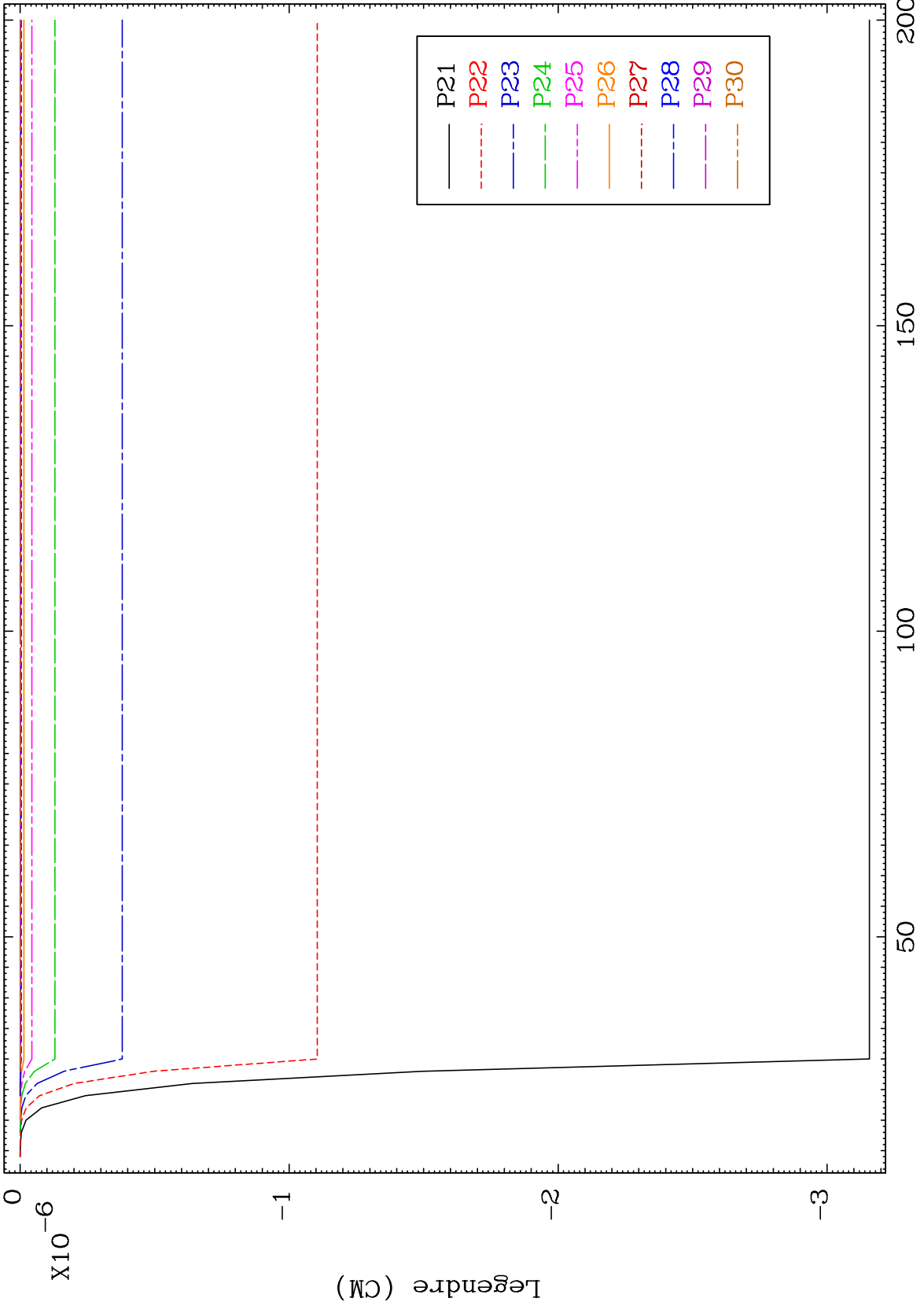
39 Incident Energy (MeV) 16-S -30

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



40 50 100 150 200 Incident Energy (MeV) 16-S -30

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

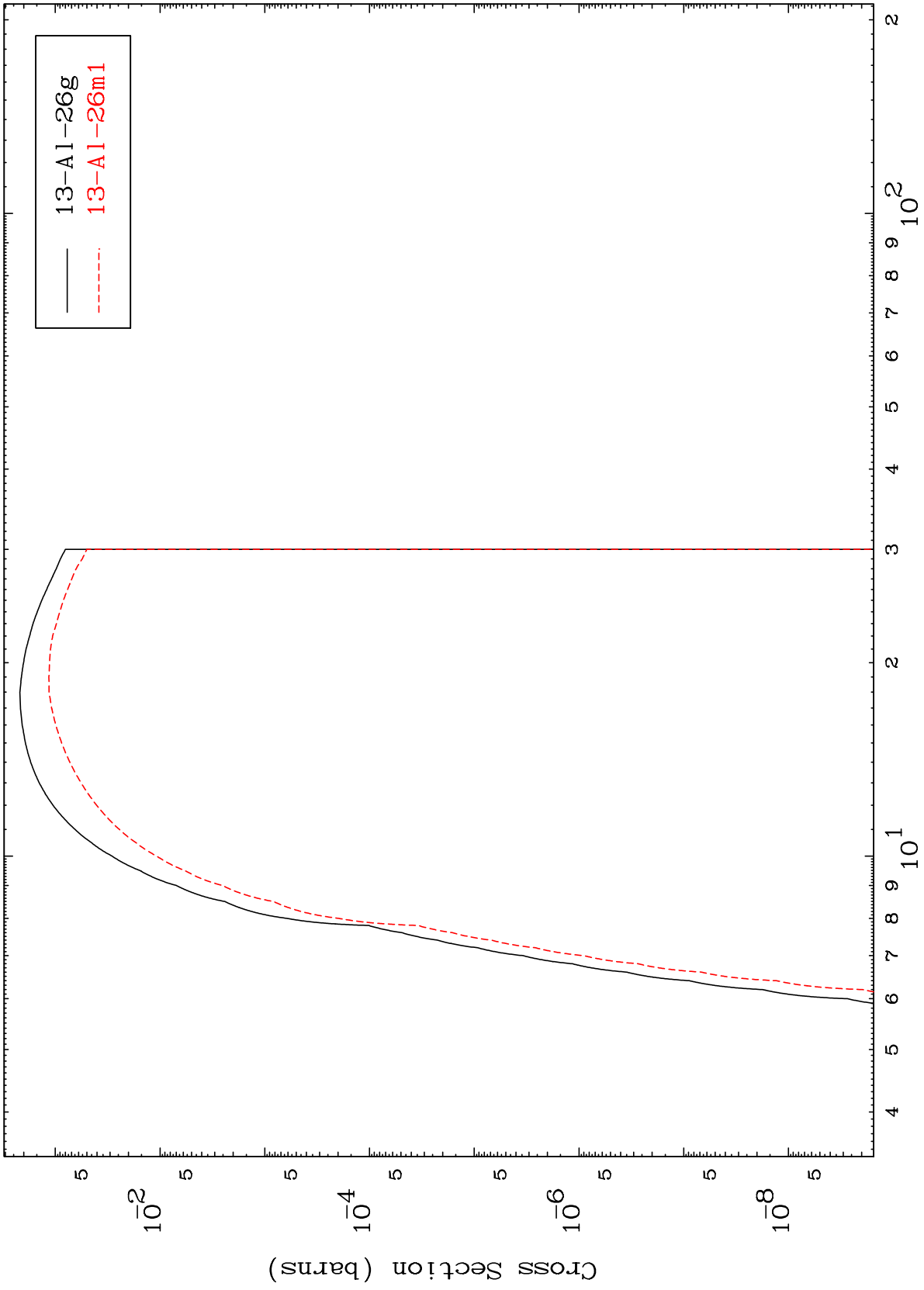


MAT 1619

(n,p) α

16-S -30

Radionuclide Production Cross Section



42

Incident Energy (MeV)

16-S -30