

Program EVALPLOT
(Version 2017-1)

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

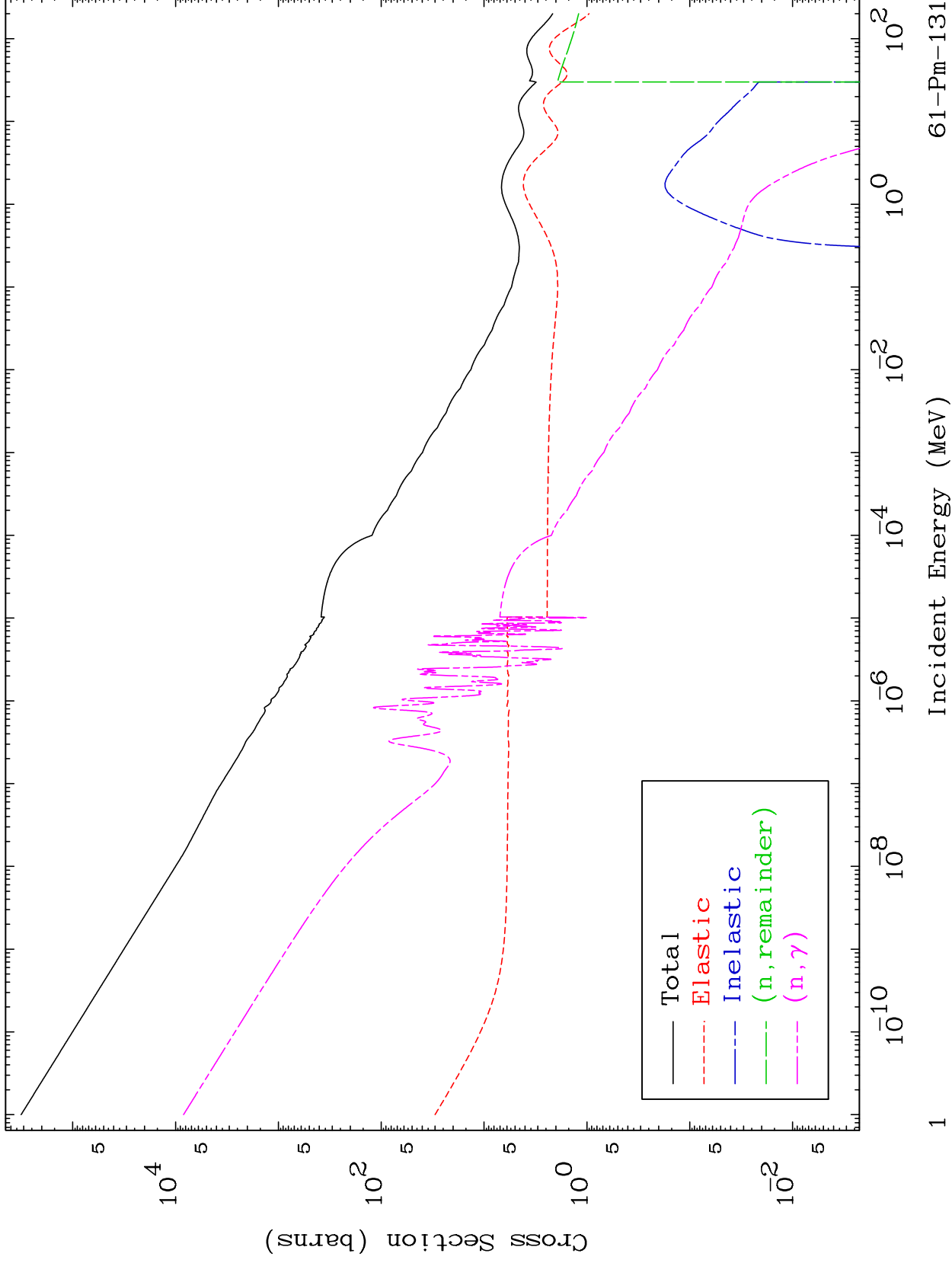
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6101

Major
293 Kelvin Cross Sections

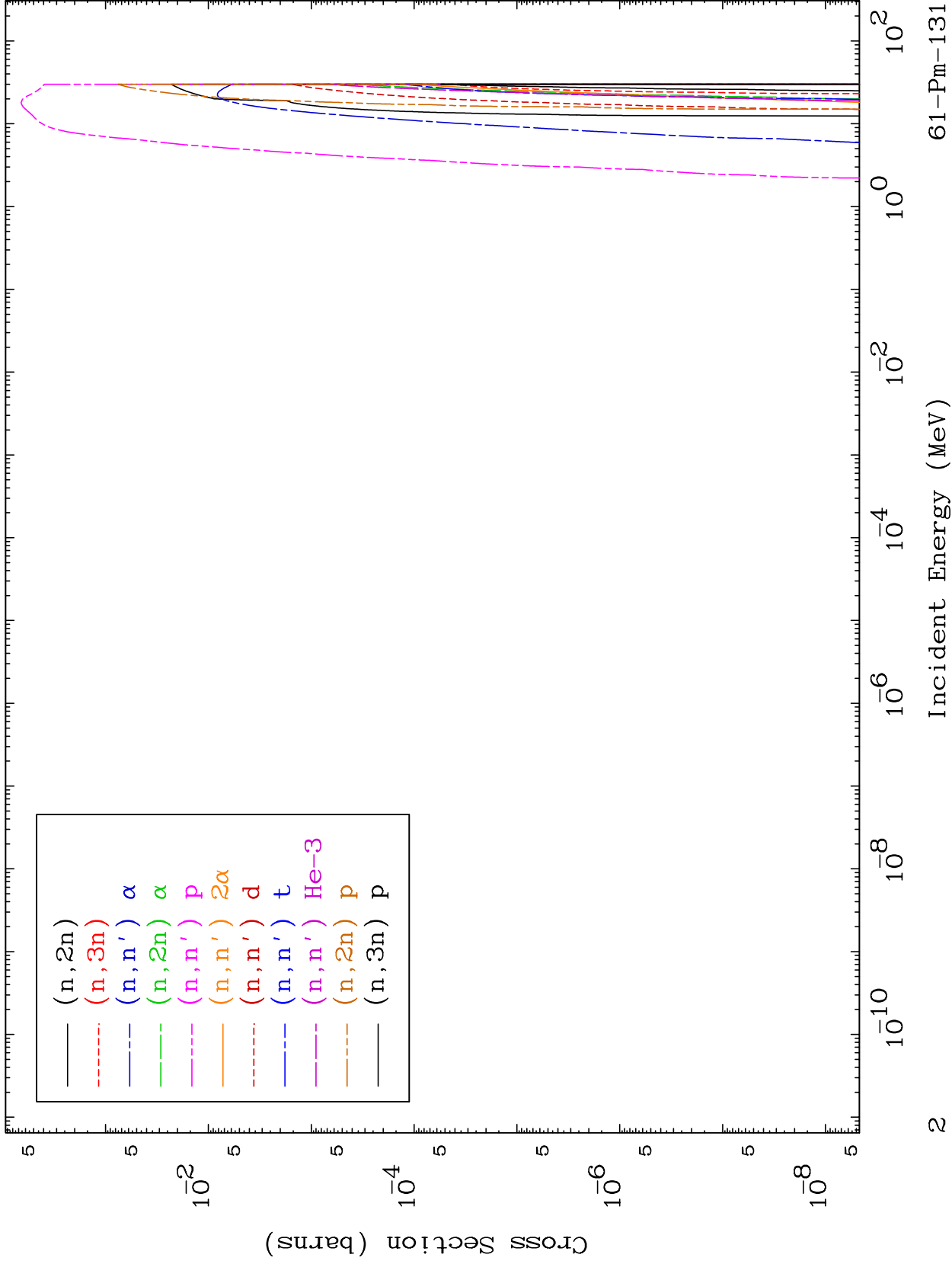
61-Pm-131



MAT 6101

Neutron Production
293 Kelvin Cross Sections

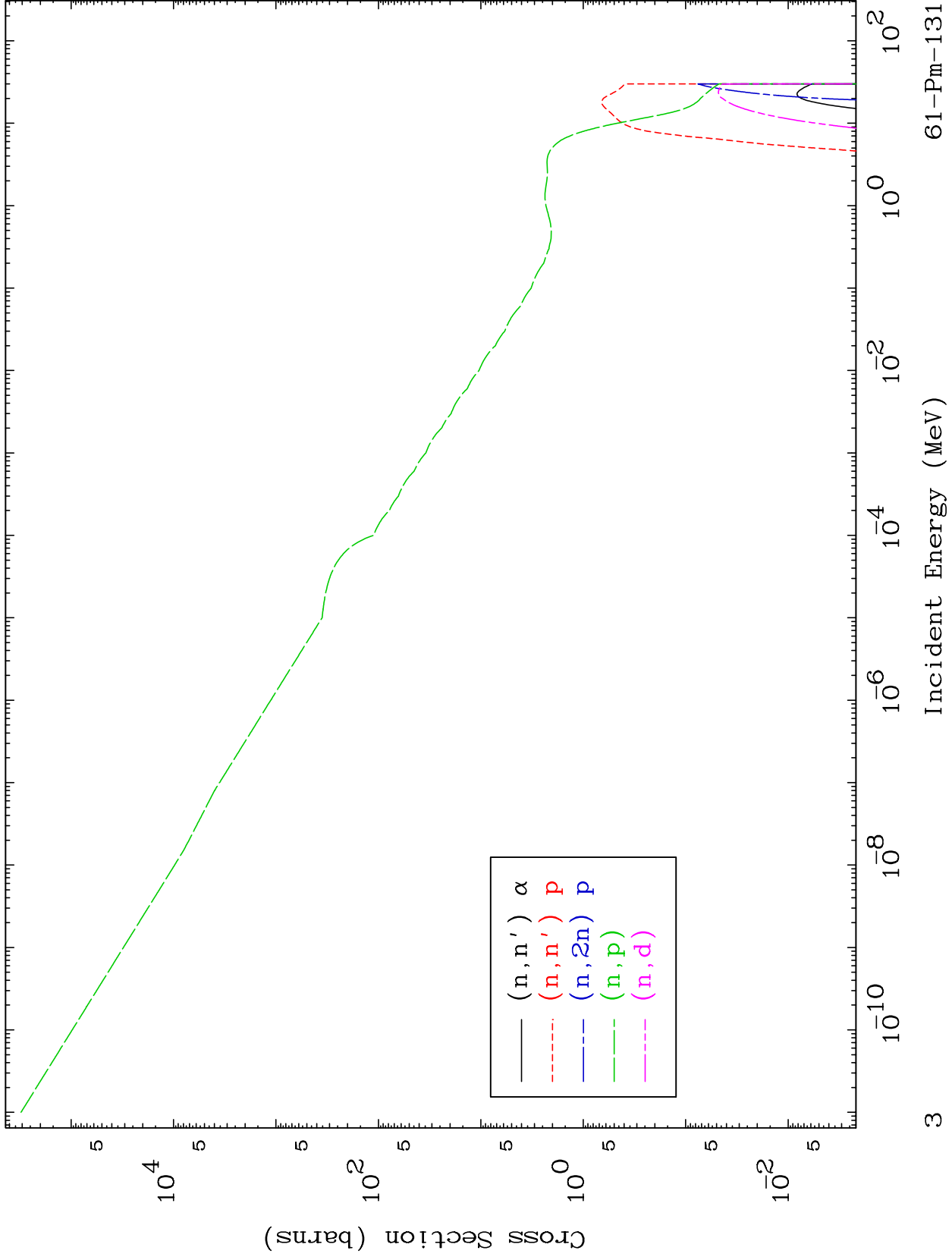
61-Pm-131



MAT 6101

Charged Particle
293 Kelvin Cross Sections

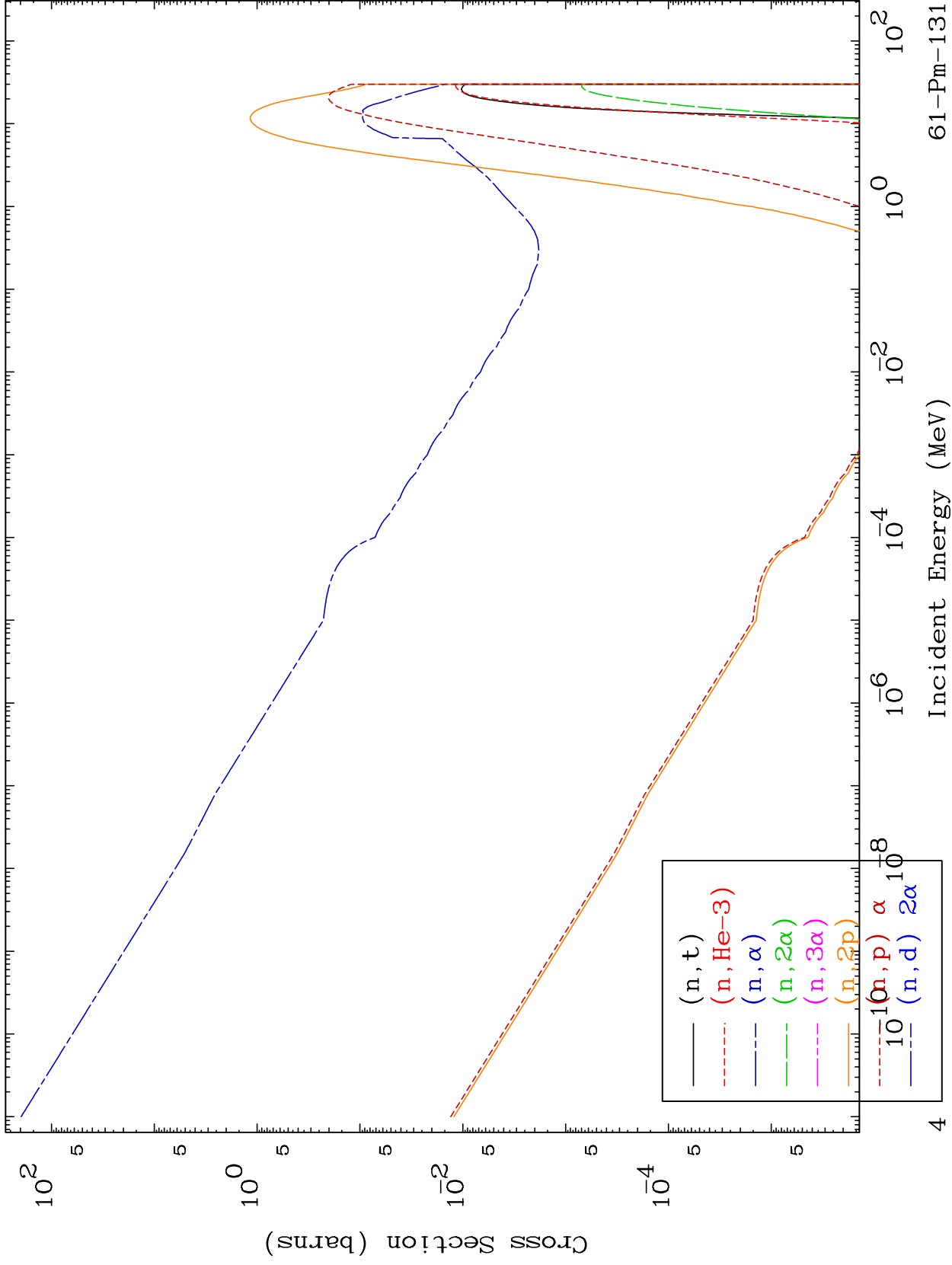
61-Pm-131



MAT 6101

Charged Particle
293 Kelvin Cross Sections

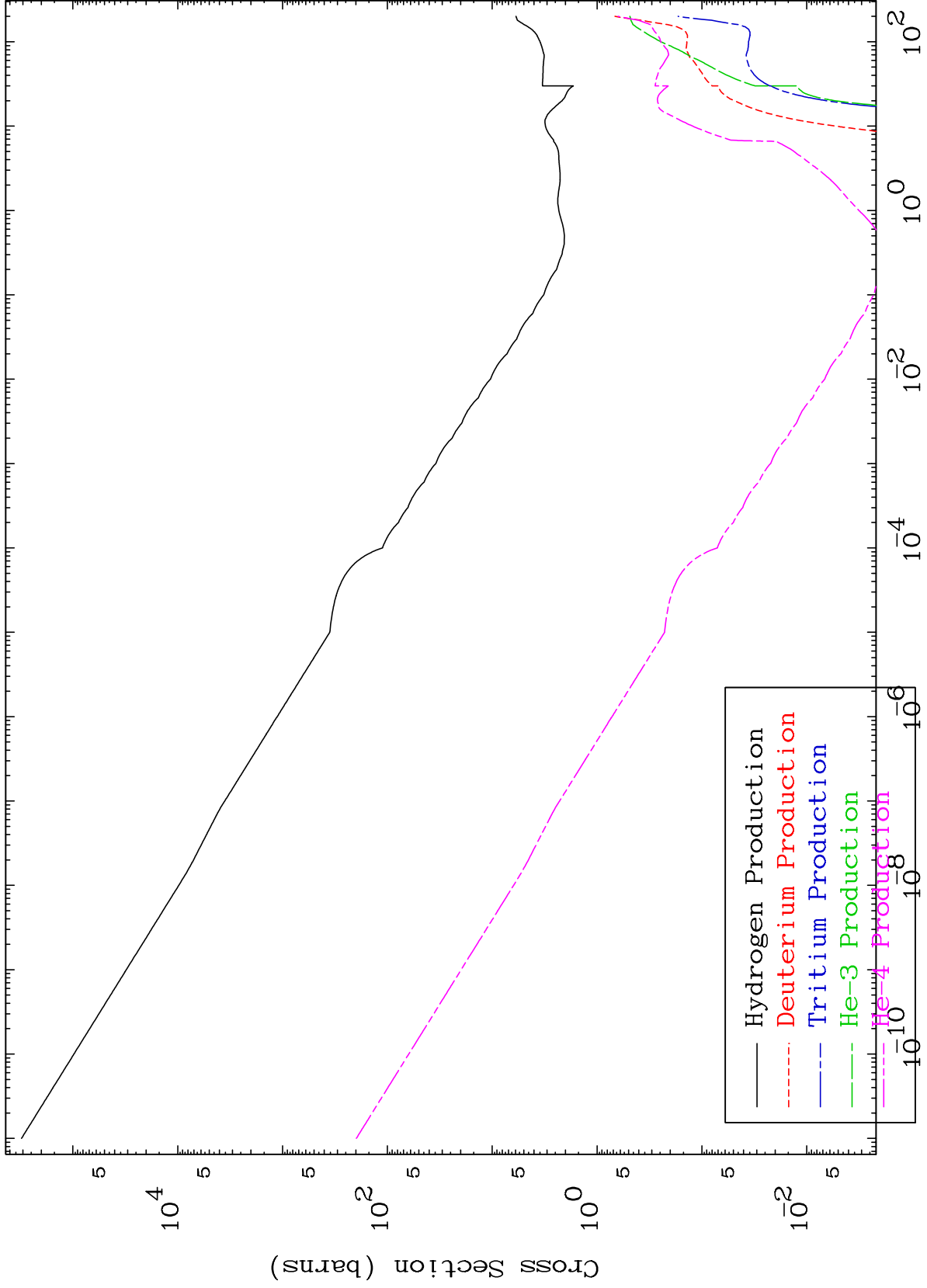
61-Pm-131



MAT 6101

Particle Production
293 Kelvin Cross Sections

61-Pm-131



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Incident Energy (MeV)

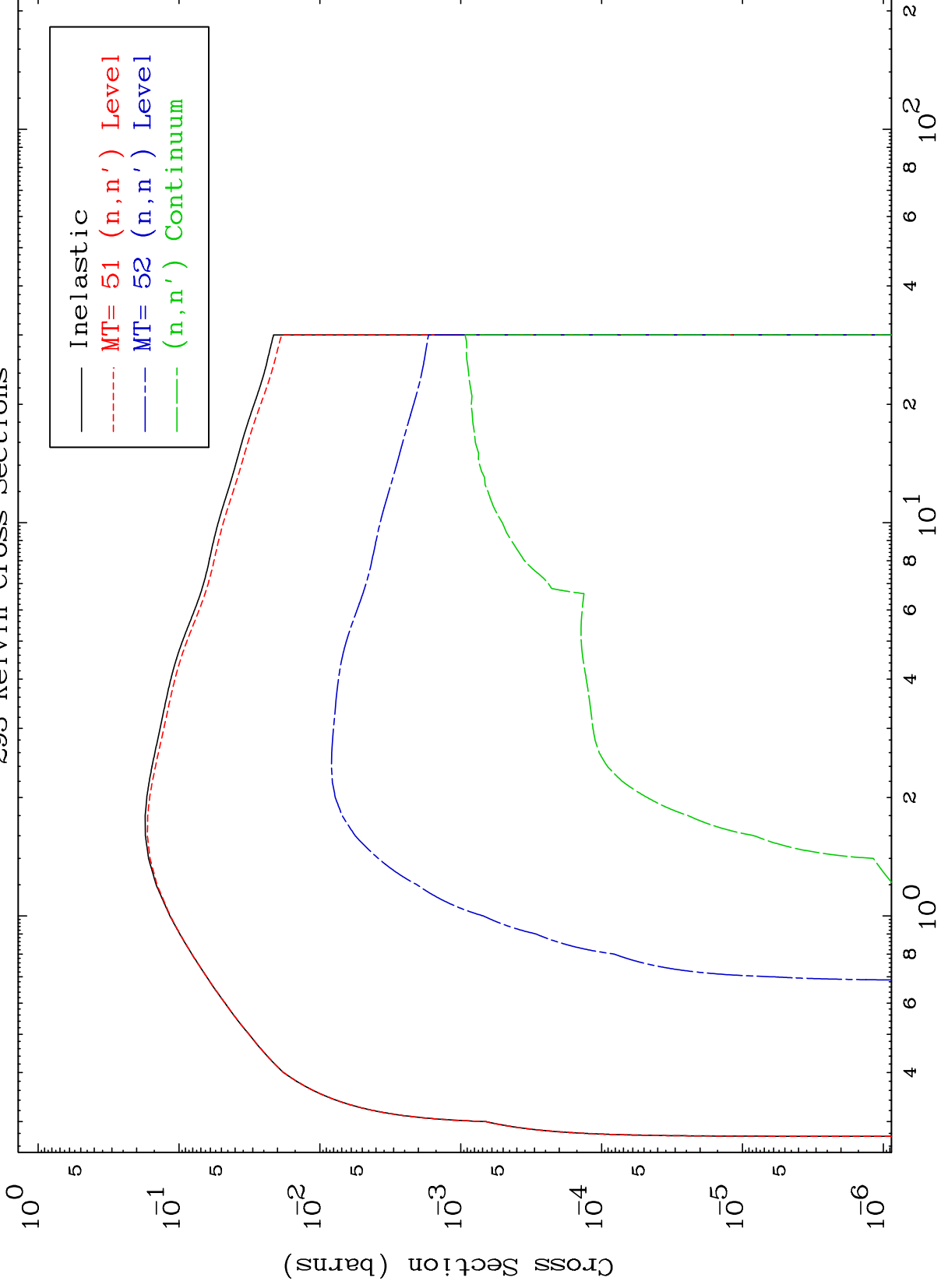
61-Pm-131

MAT 6101

(n,n') Level

61-Pm-131

293 Kelvin Cross Sections



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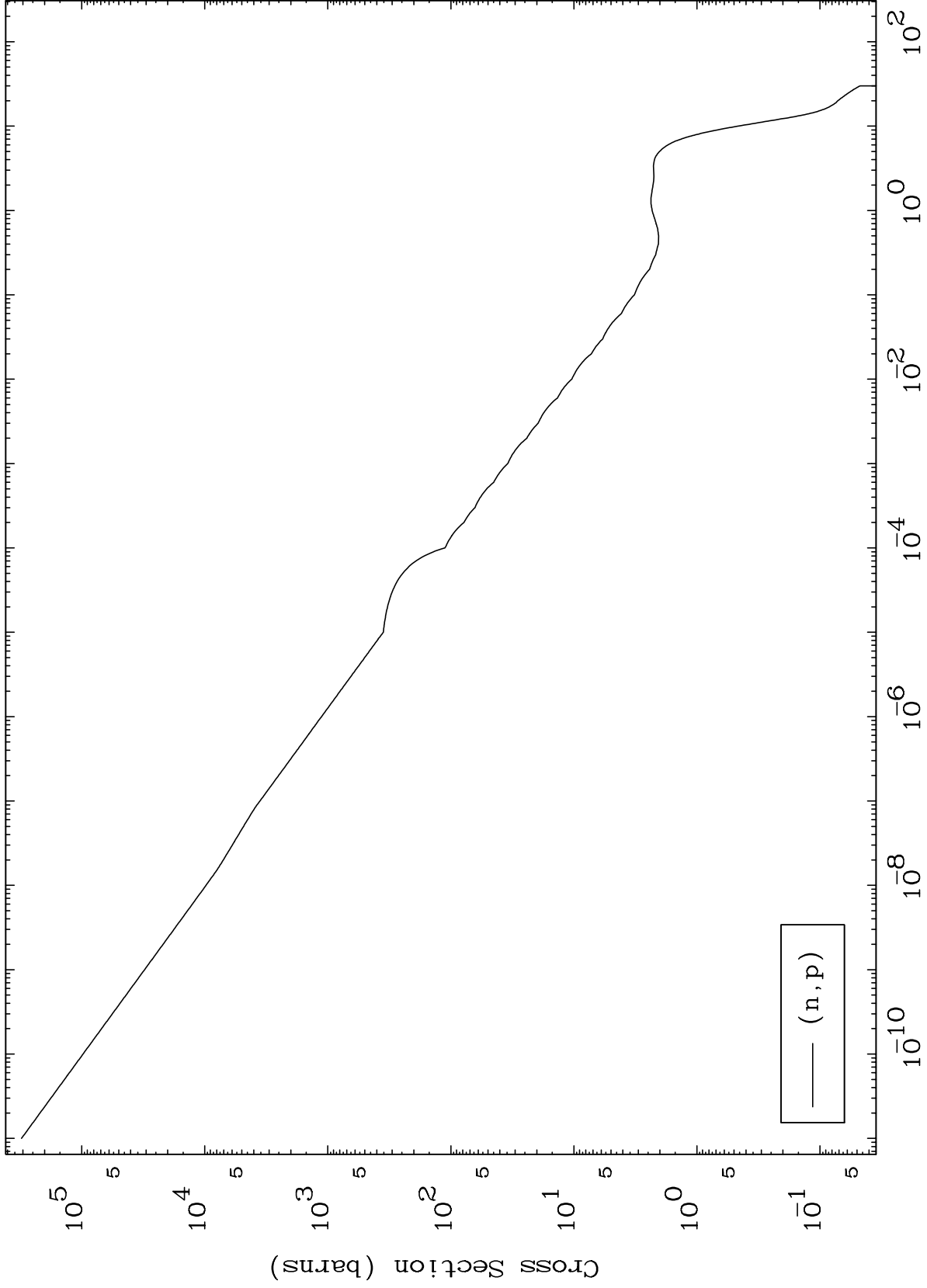
Incident Energy (MeV)

61-Pm-131

MAT 6101

(n,p) Levels
293 Kelvin Cross Sections

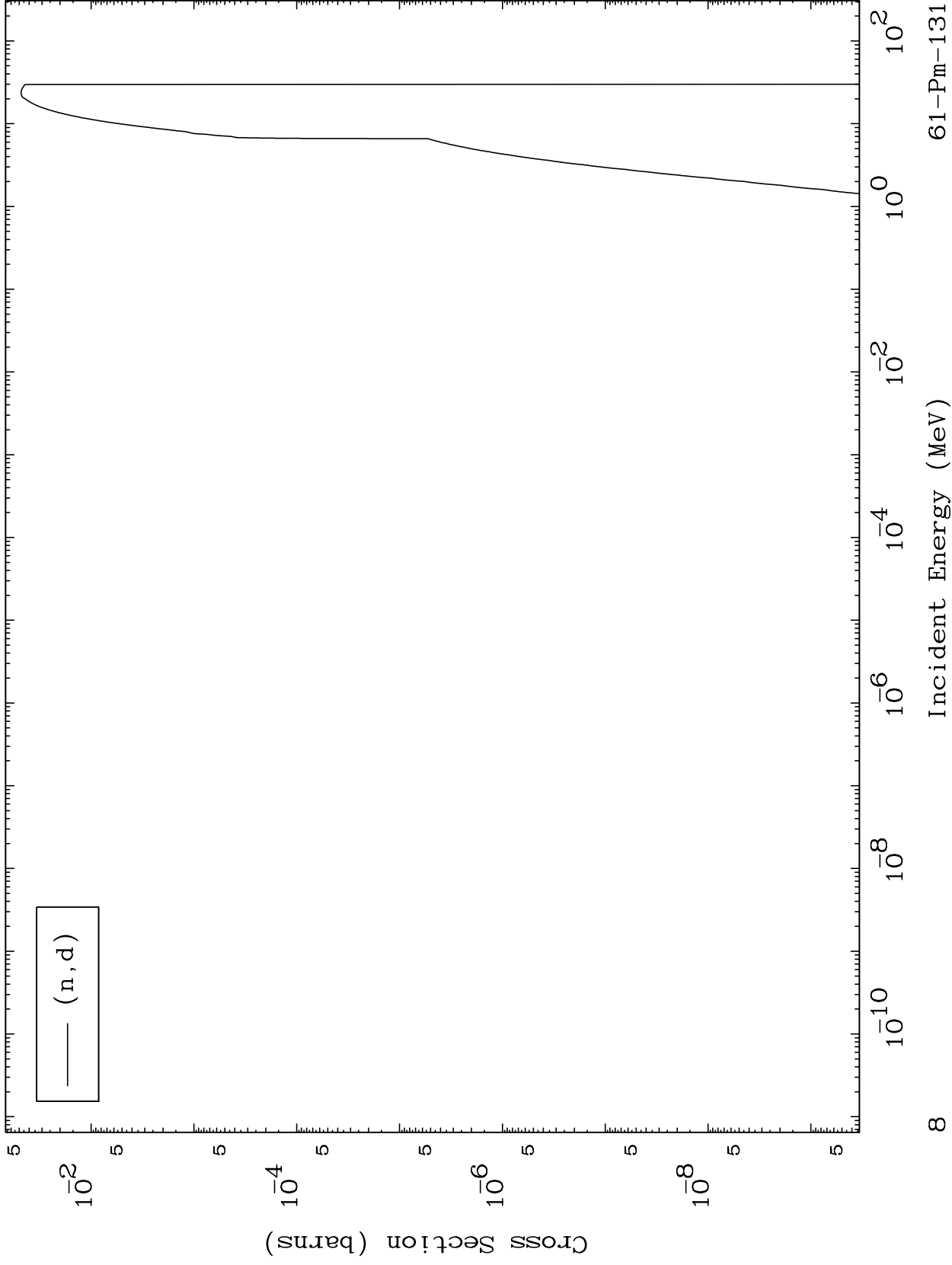
61-Pm-131



MAT 6101

(n,d) Levels
293 Kelvin Cross Sections

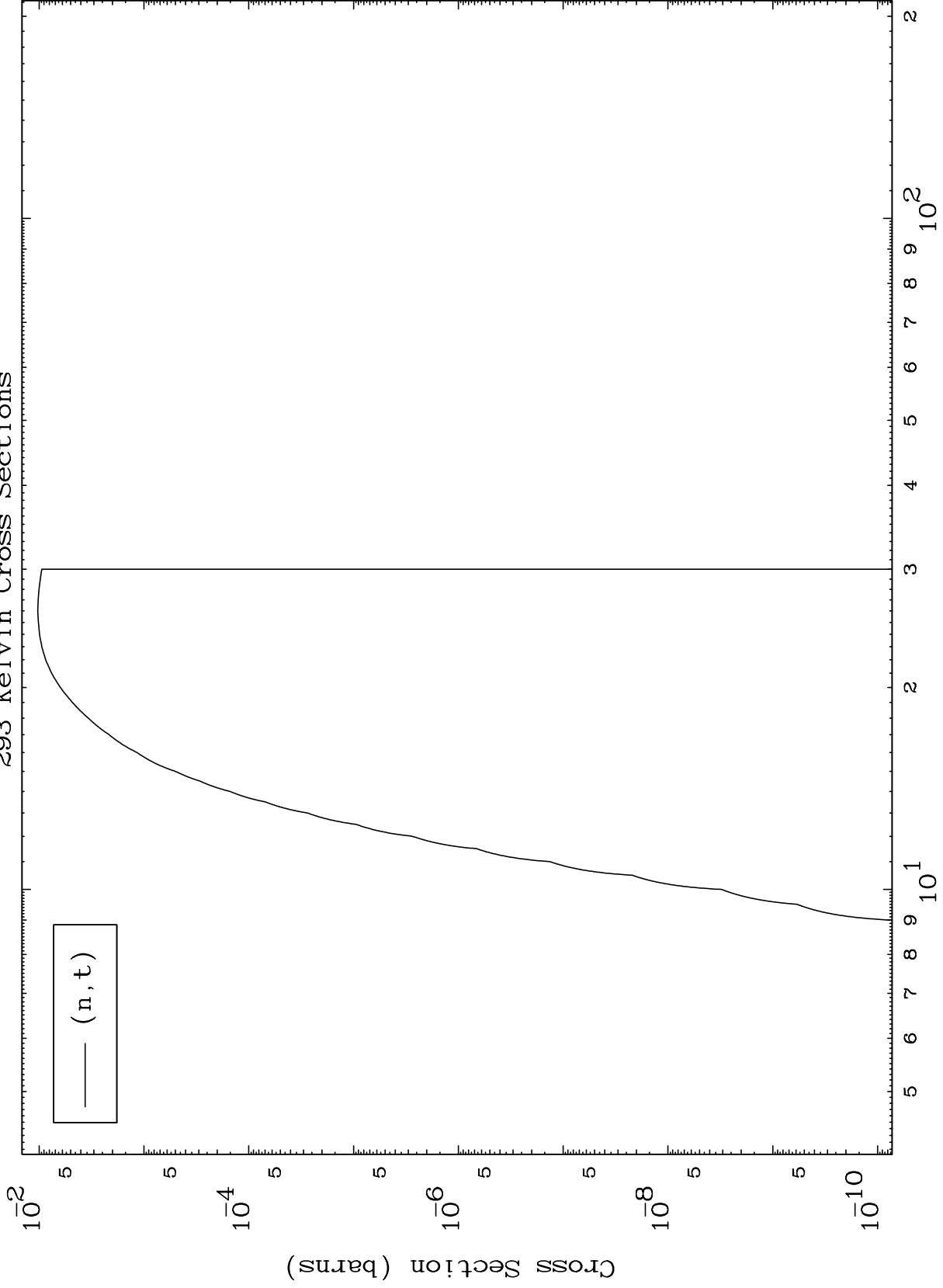
61-Pm-131



MAT 6101

(n,t) Levels
293 Kelvin Cross Sections

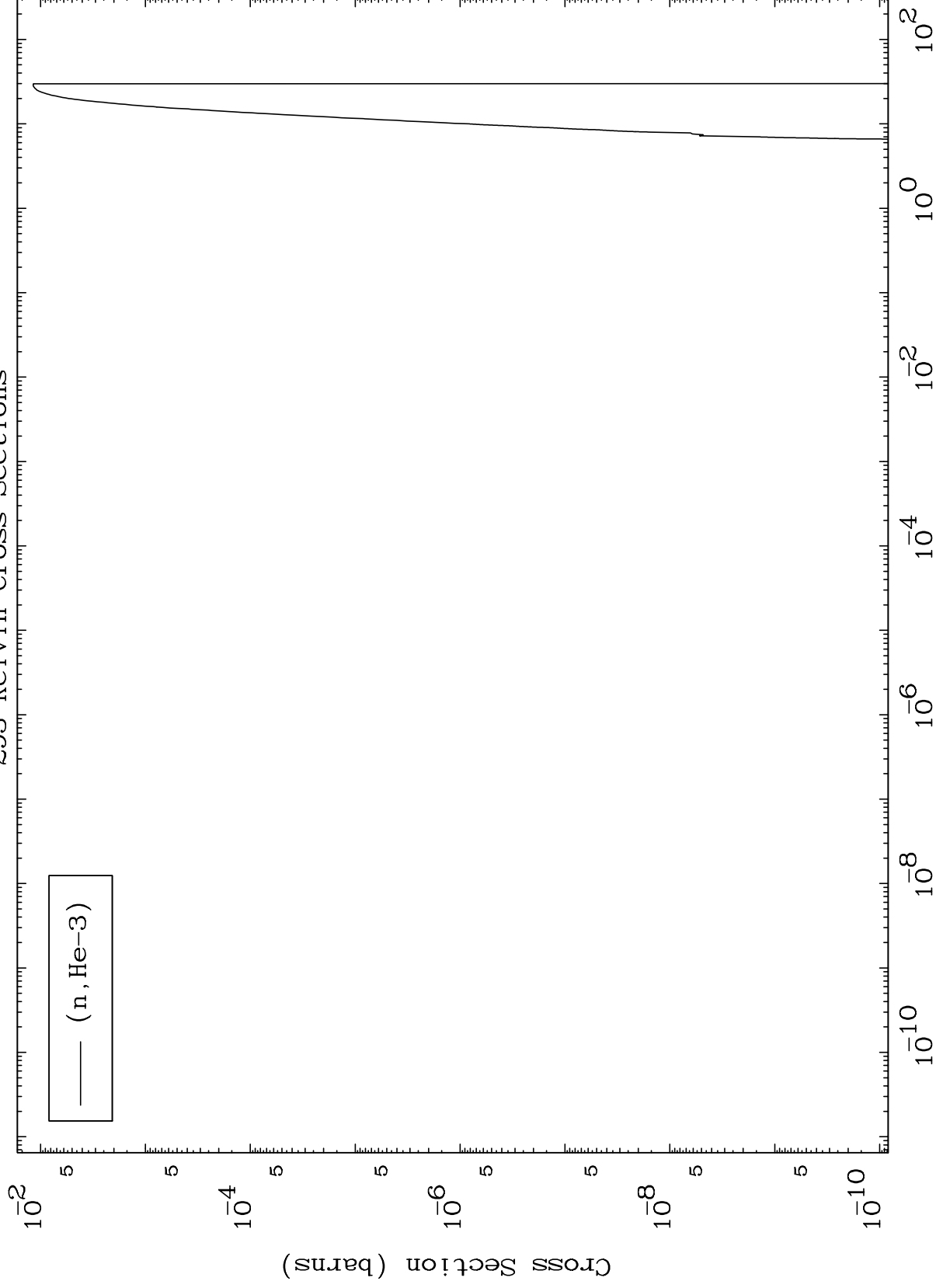
61-Pm-131



MAT 6101

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-131



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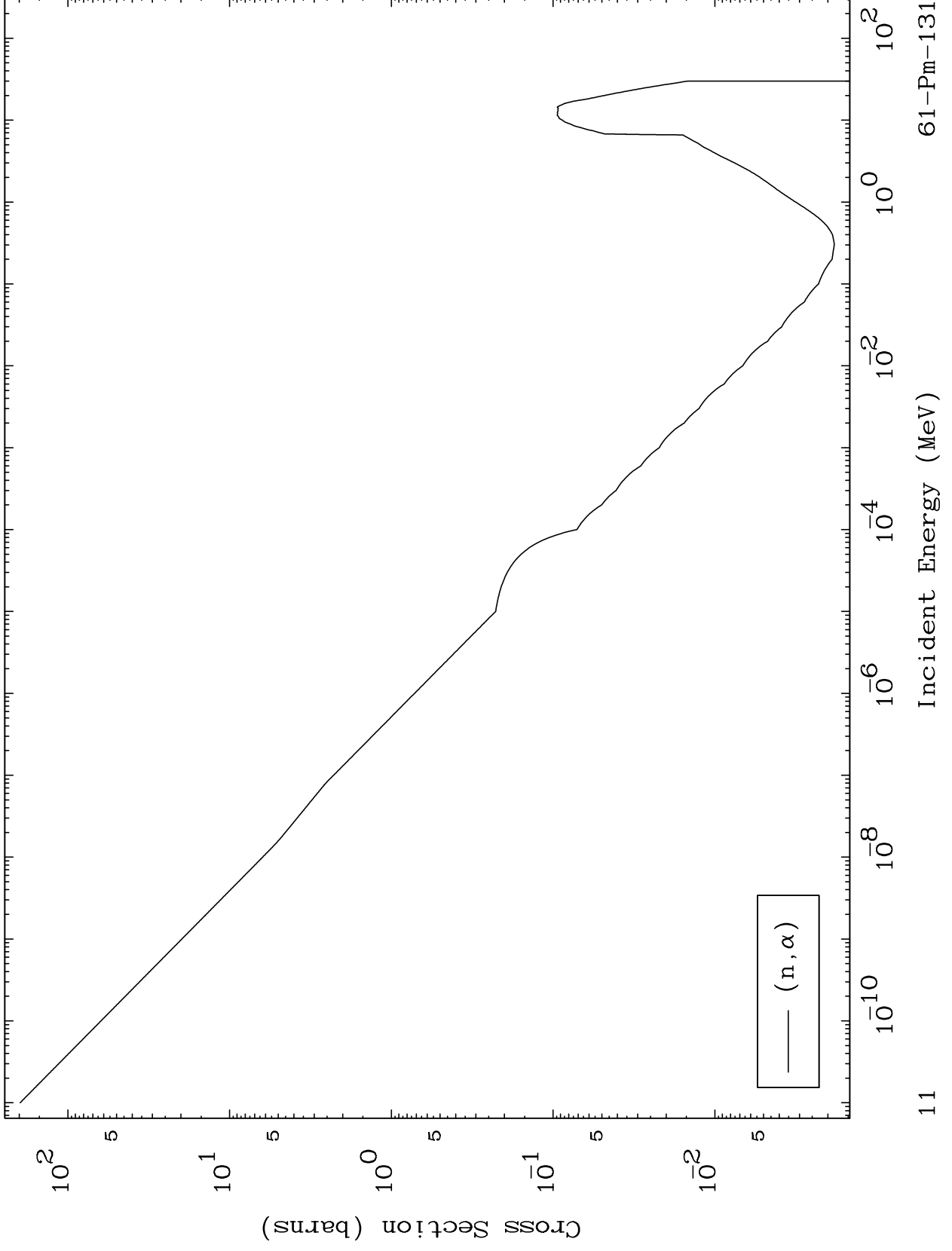
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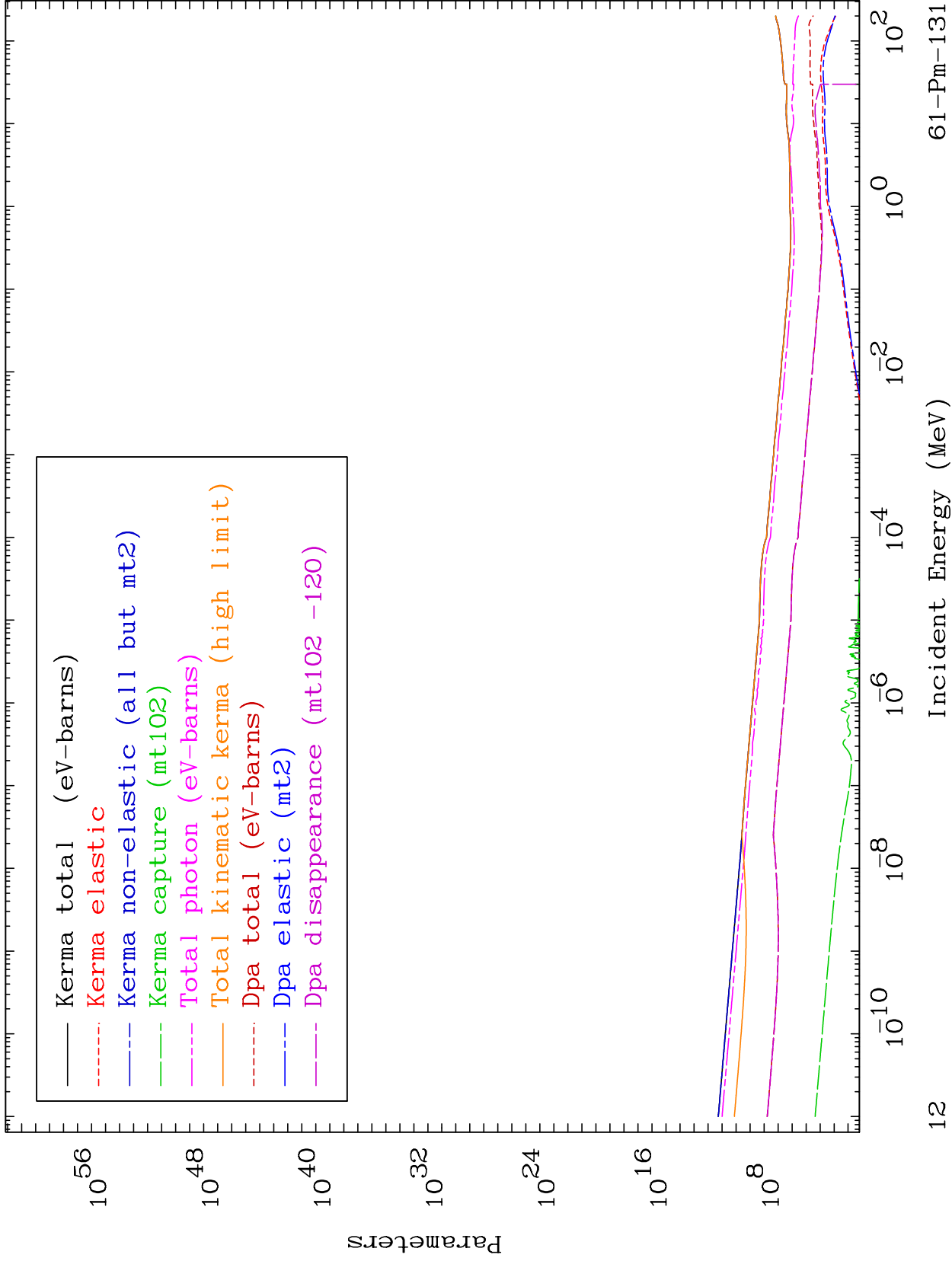
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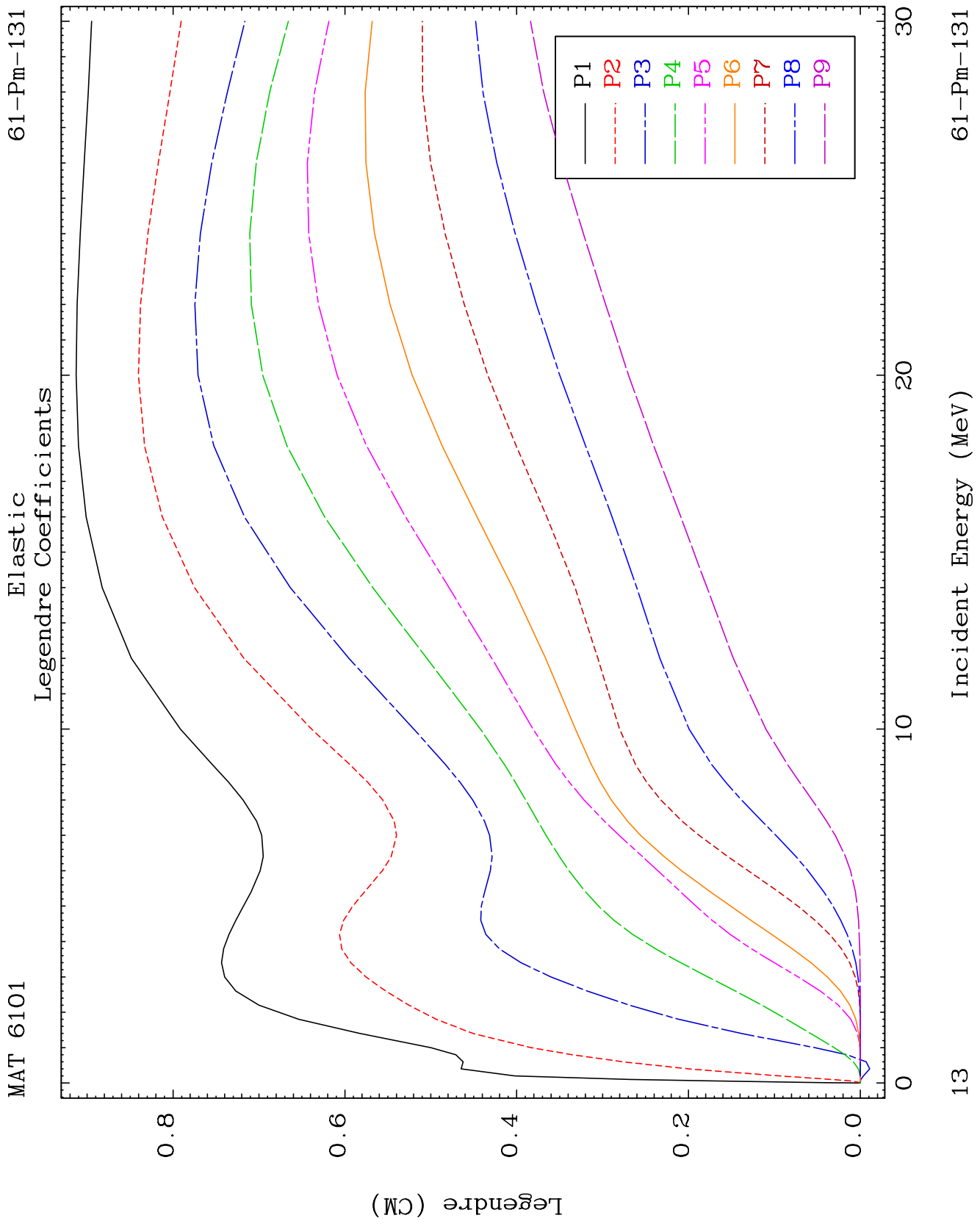
MAT 6101

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-131



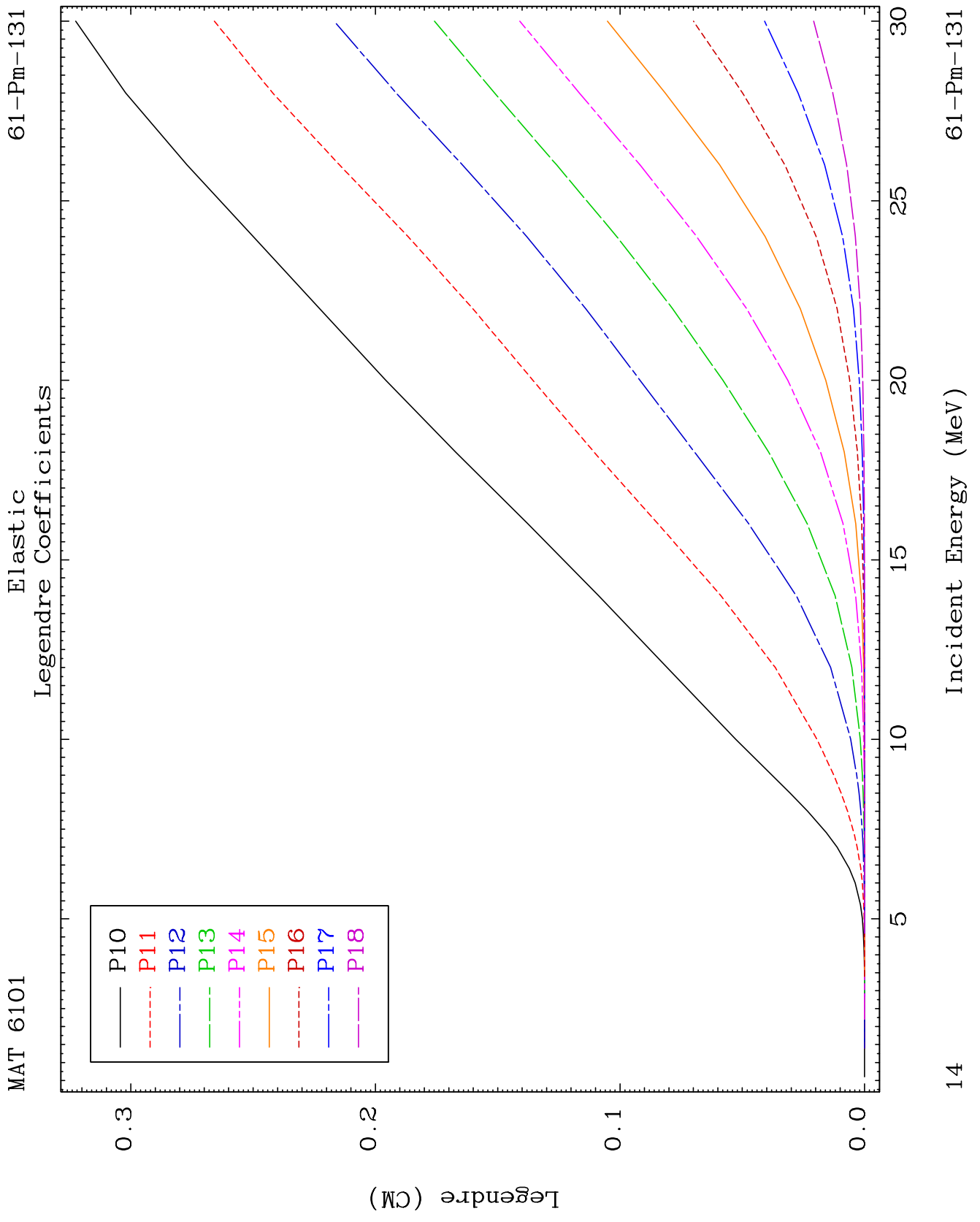




61-Pm-131

Incident Energy (MeV)

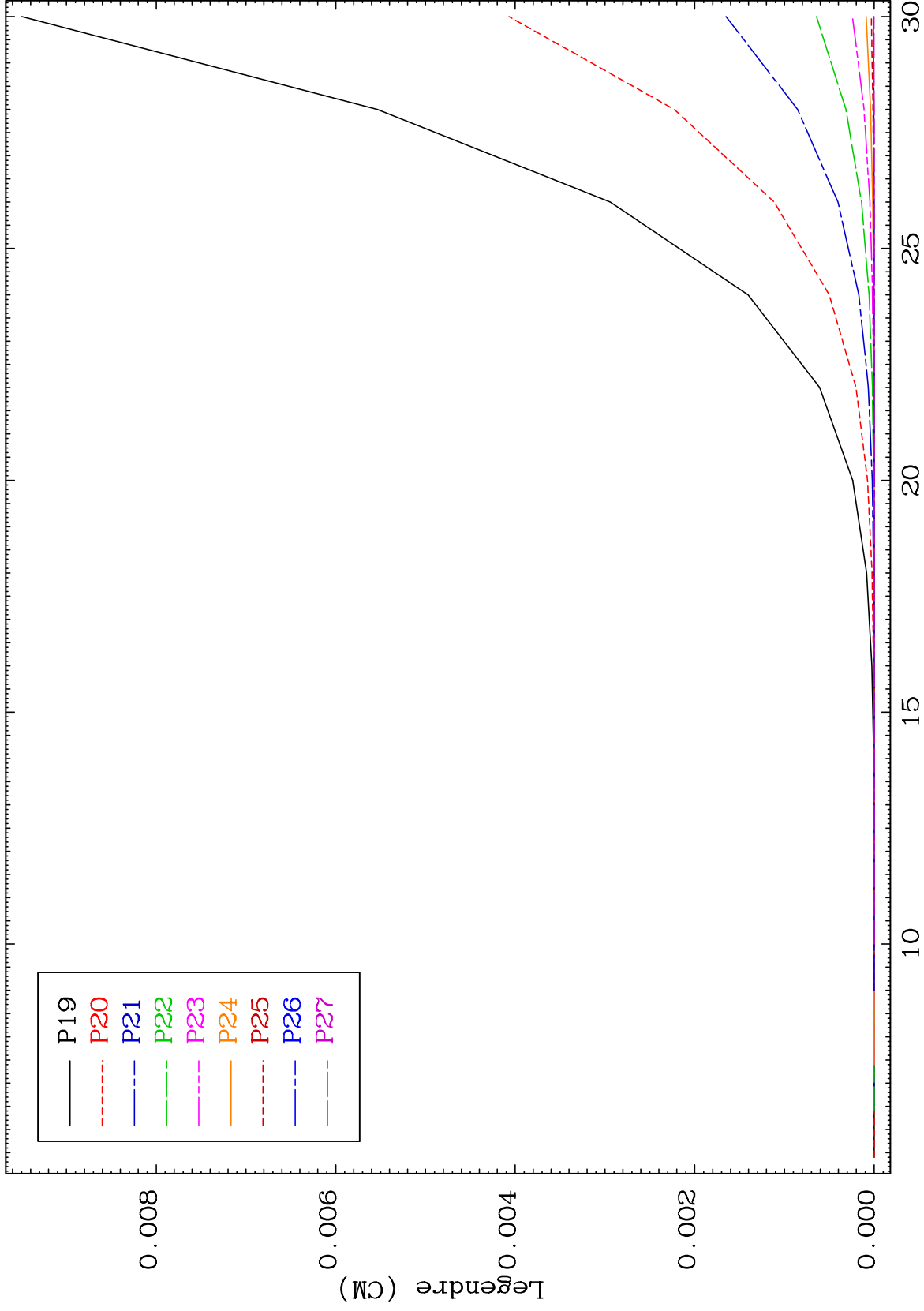
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Elastic Legendre Coefficients

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15

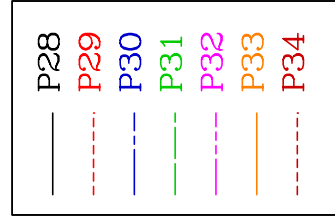
Incident Energy (MeV)

61-Pm-131

MAT 6101

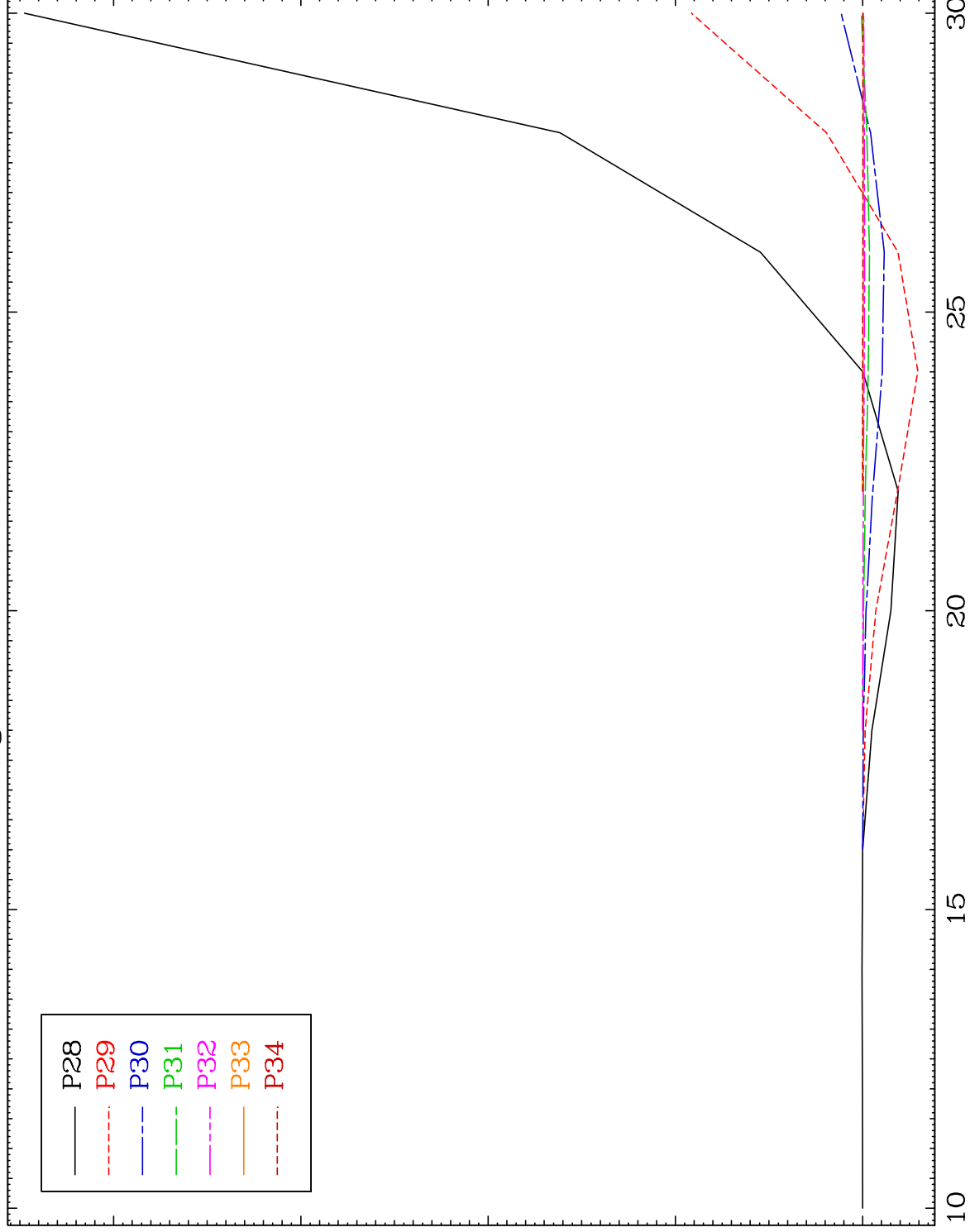
Elastic
Legendre Coefficients

61-Pm-131



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

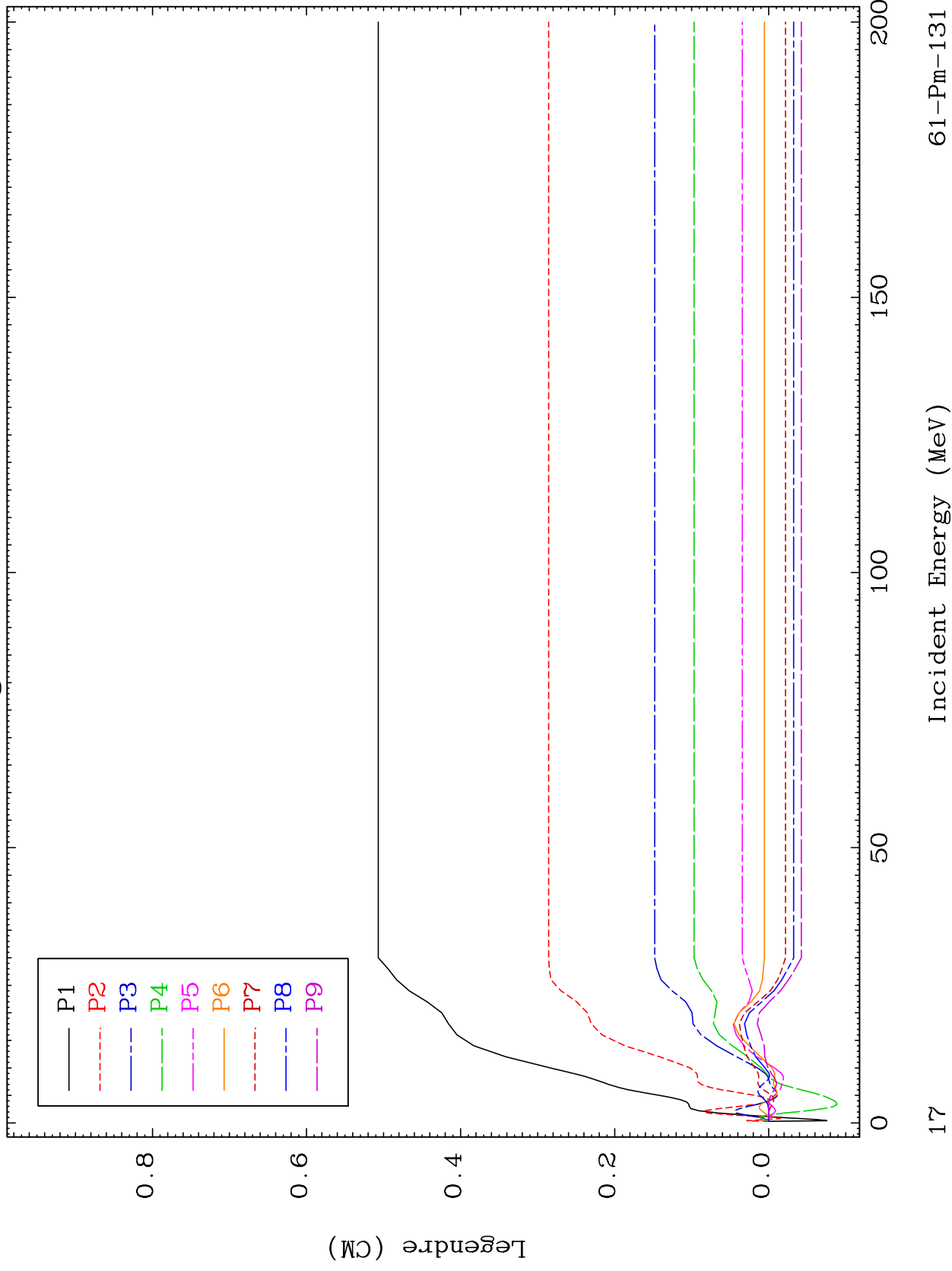
Incident Energy (MeV)

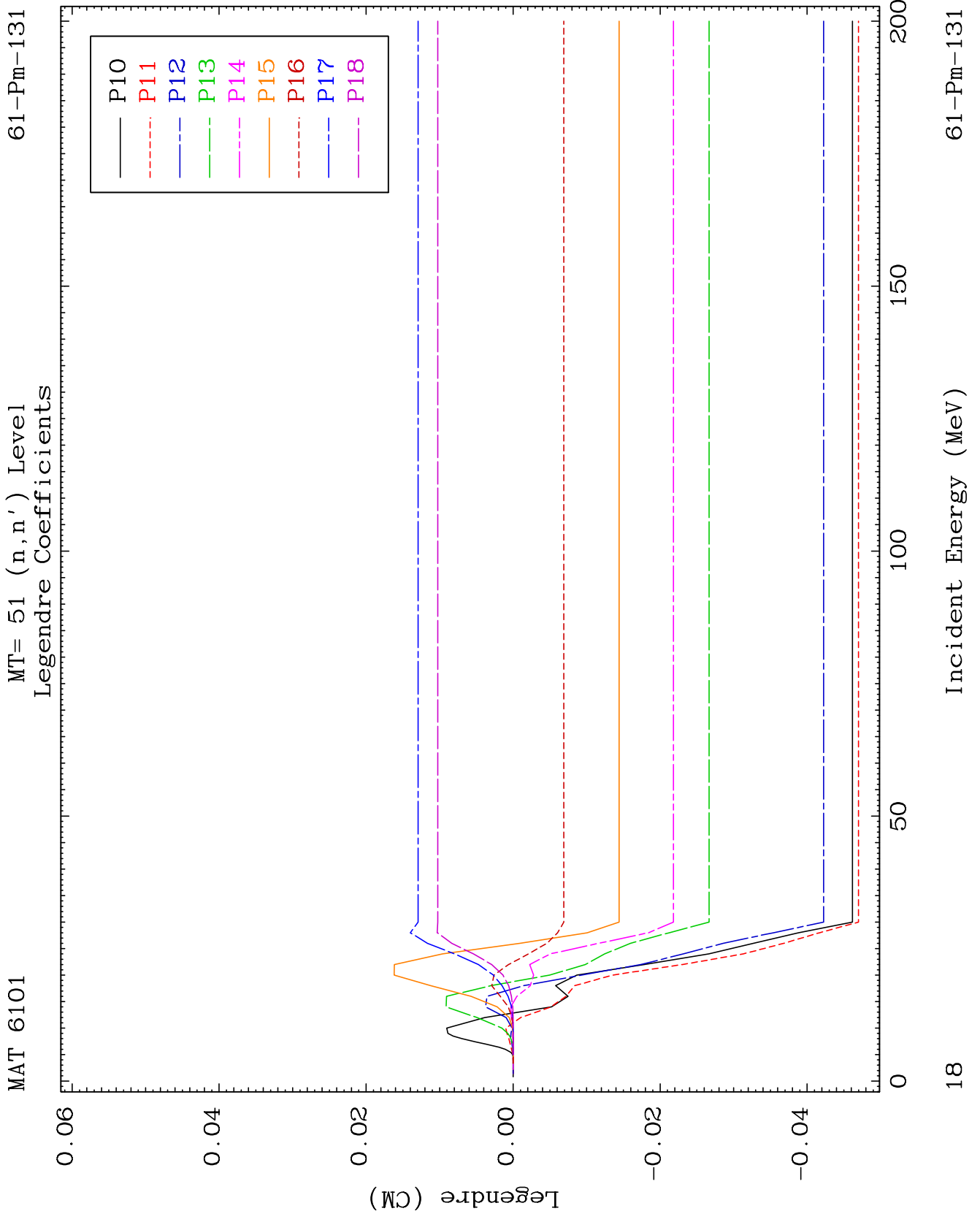
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MAT 6101

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

61-Pm-131

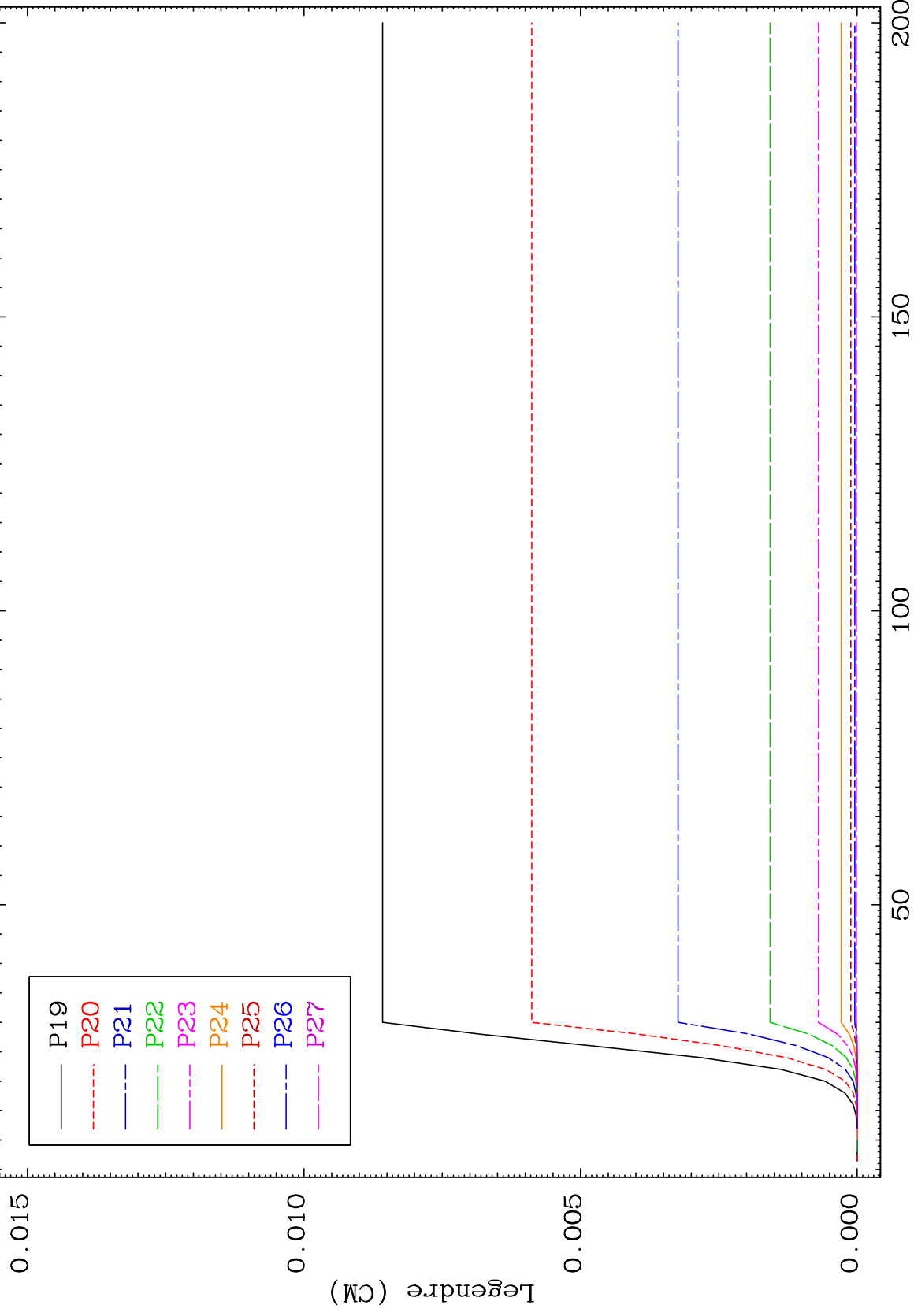




MAT 6101

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

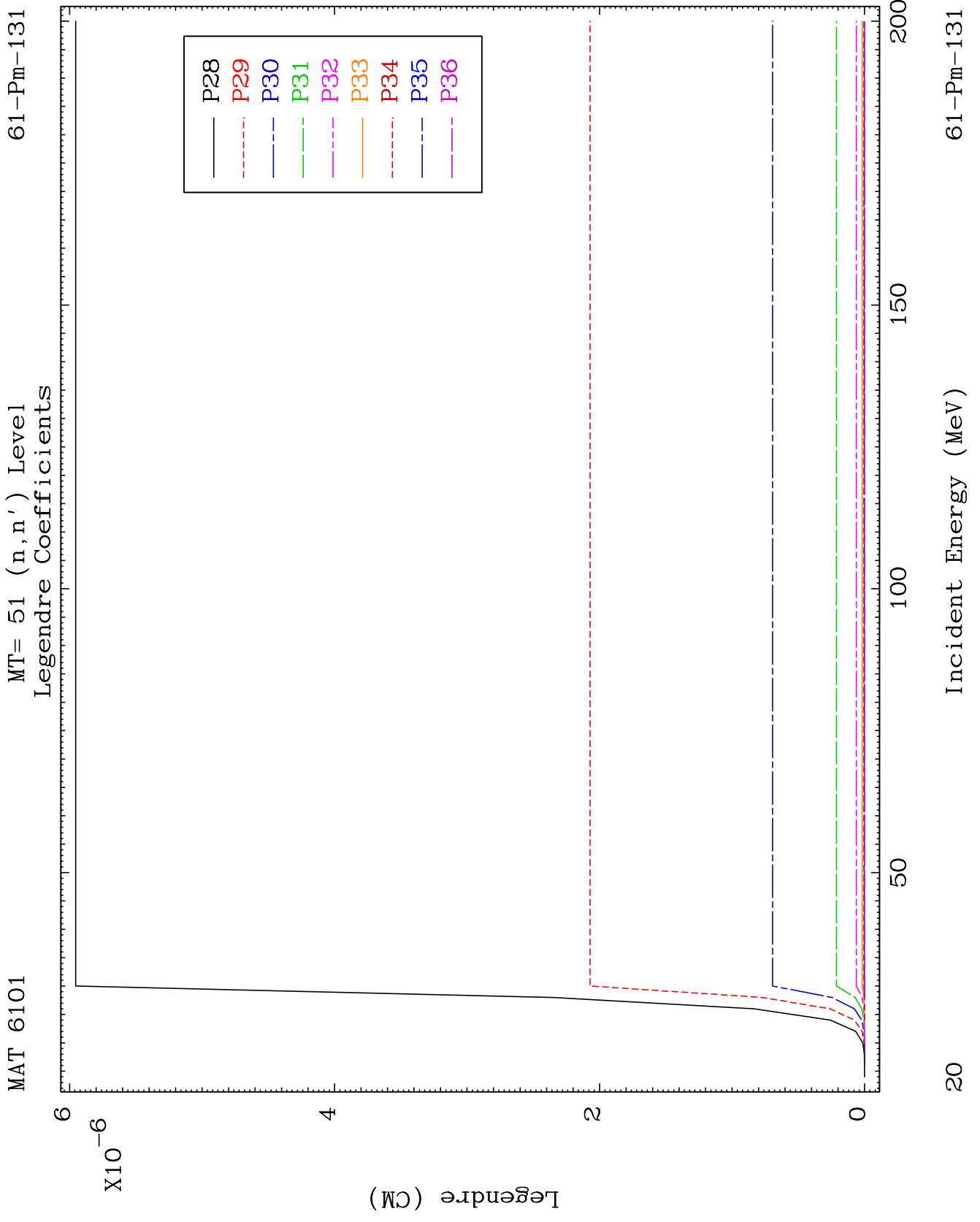
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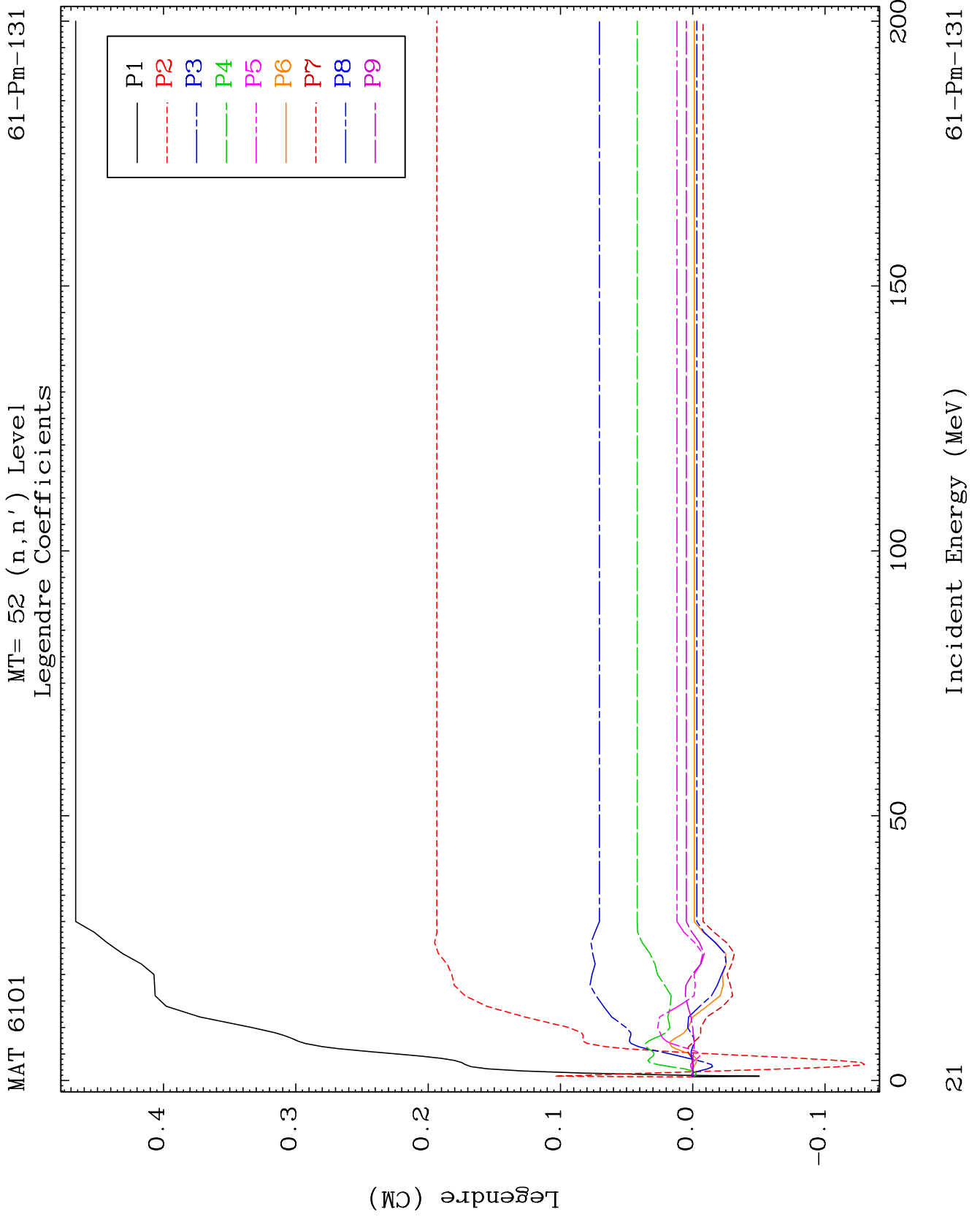


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Incident Energy (MeV)

61-Pm-131

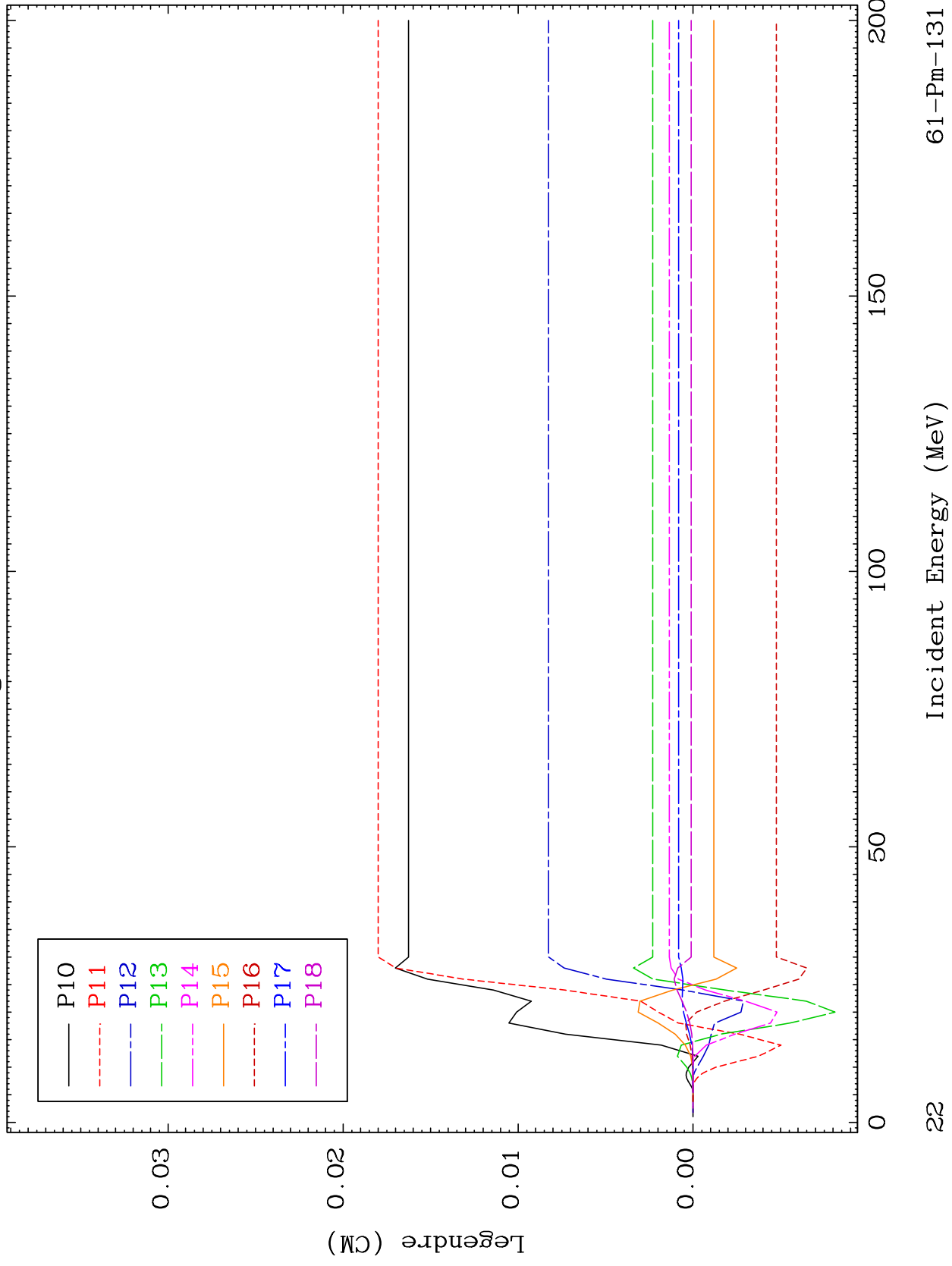




MAT 6101

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

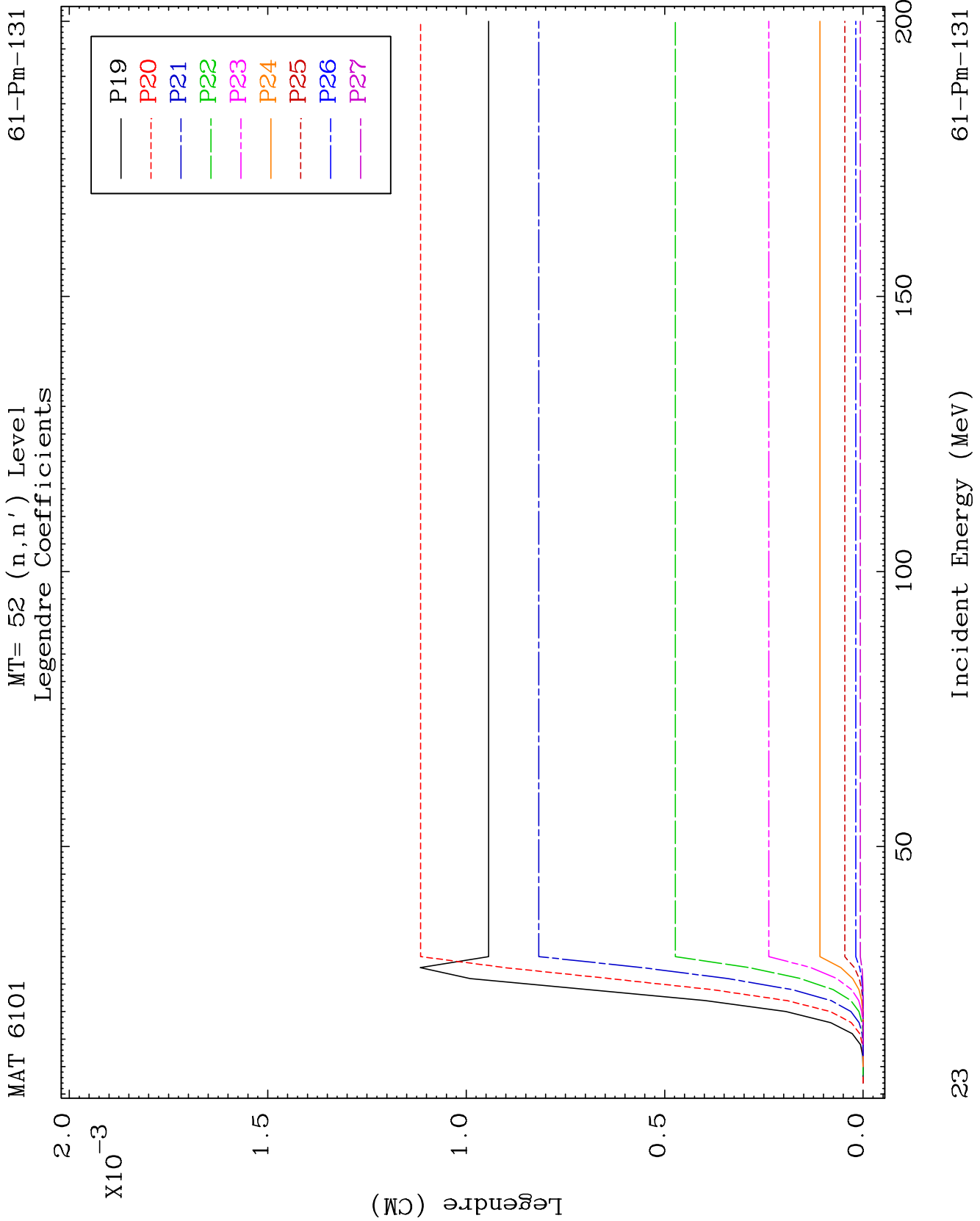
61-Pm-131



22

Incident Energy (MeV)

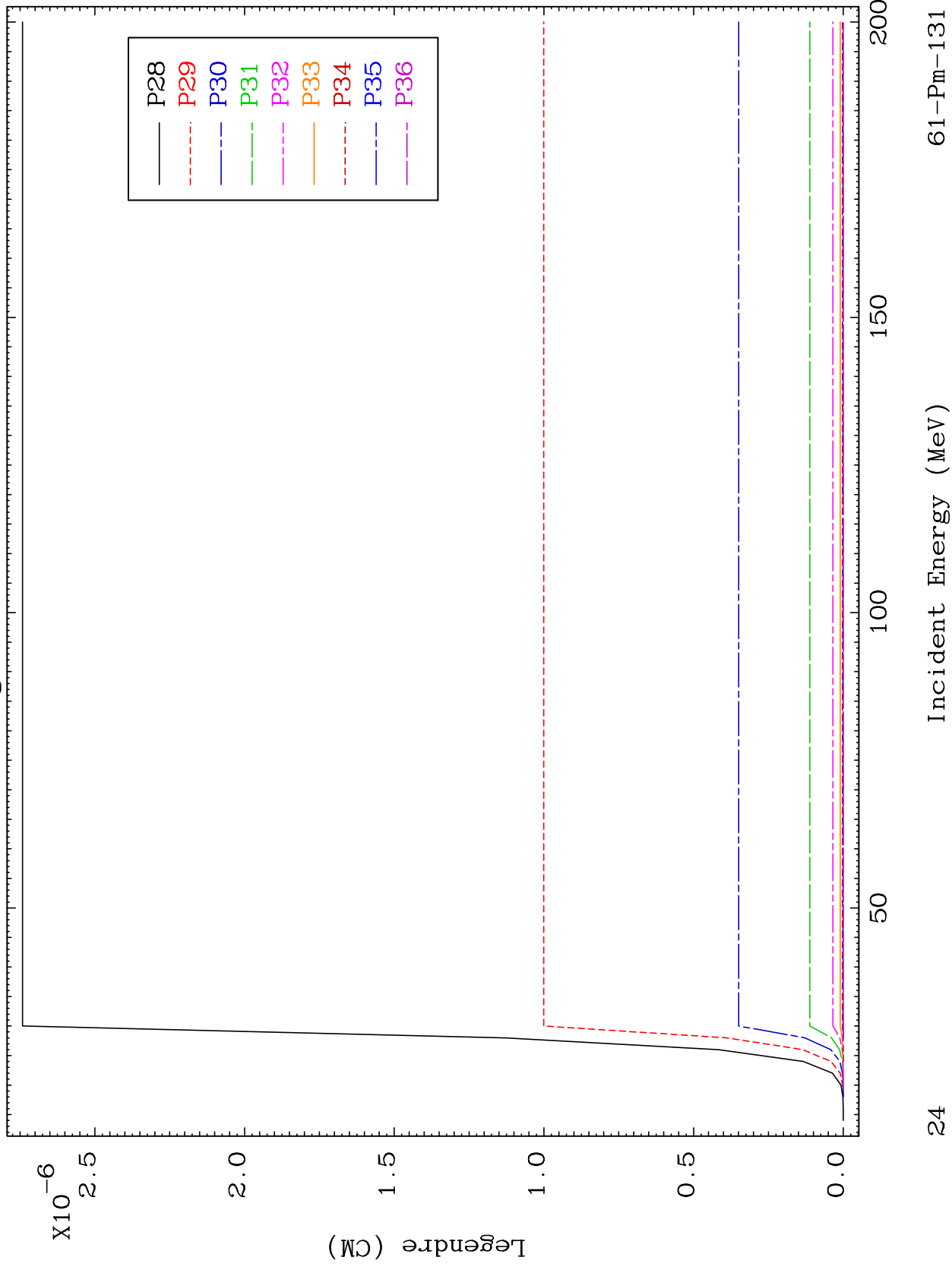
61-Pm-131



MAT 6101

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

61-Pm-131



24

Incident Energy (MeV)

61-Pm-131

200

150

100

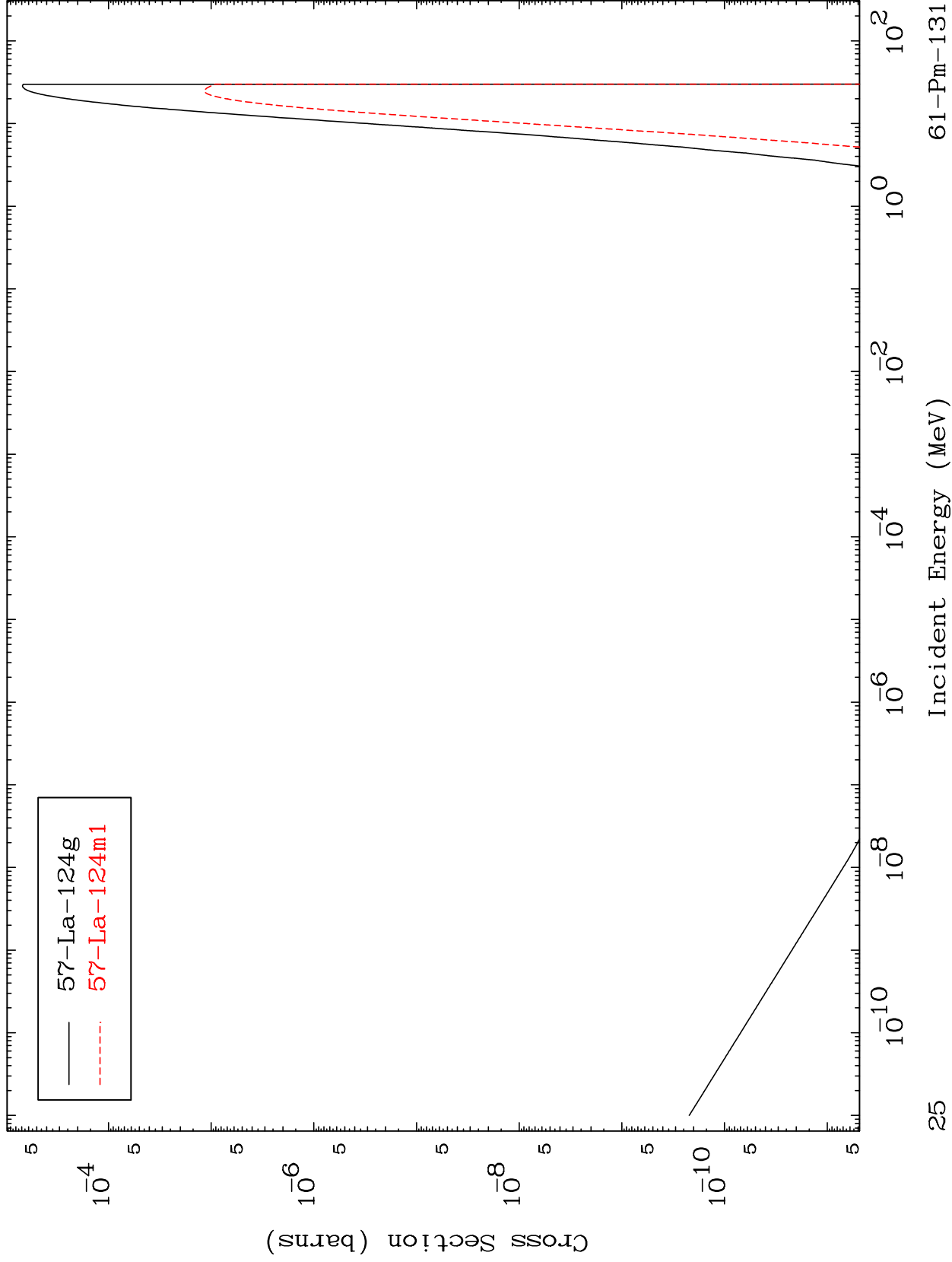
50

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(n,2α)

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Radionuclide Production Cross Section

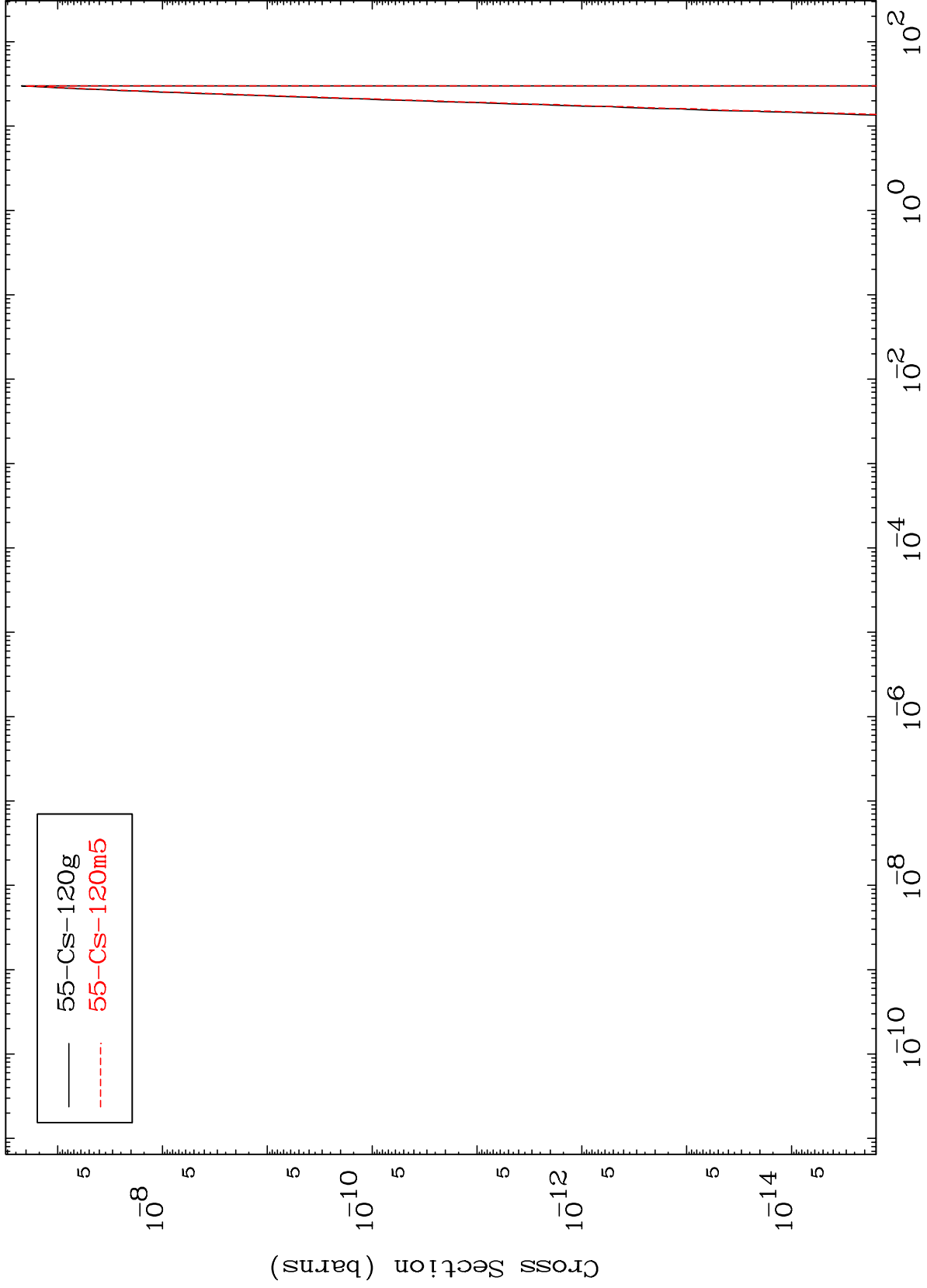


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(n,3α)

61-Pm-131

Radionuclide Production Cross Section



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Incident Energy (MeV)

61-Pm-131

MAT 6101

(n,p) α

61-Pm-131

Radionuclide Production Cross Section

