

Program EVALPLOT
(Version 2015-2)

by

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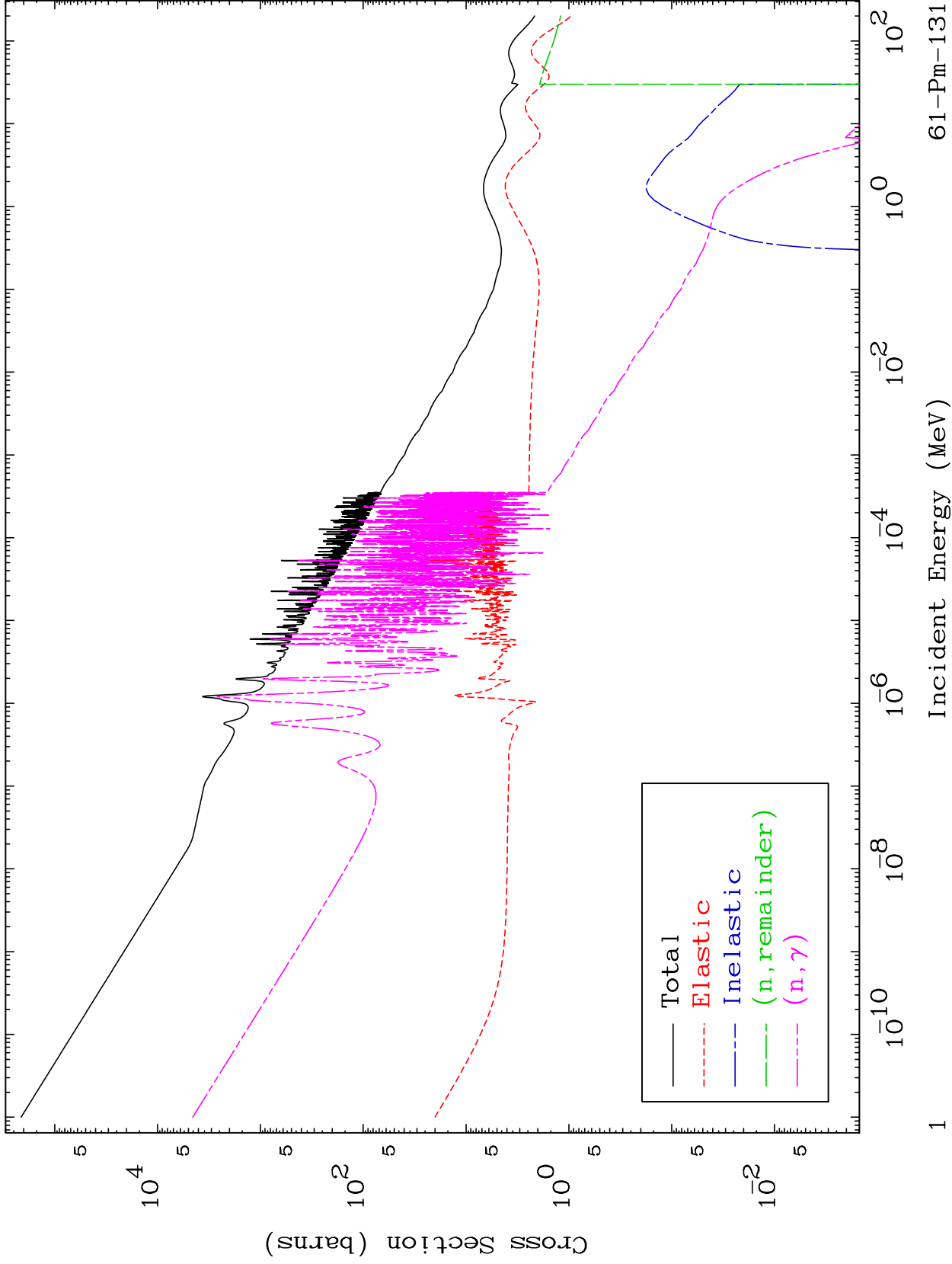
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6101

Major
293 Kelvin Cross Sections

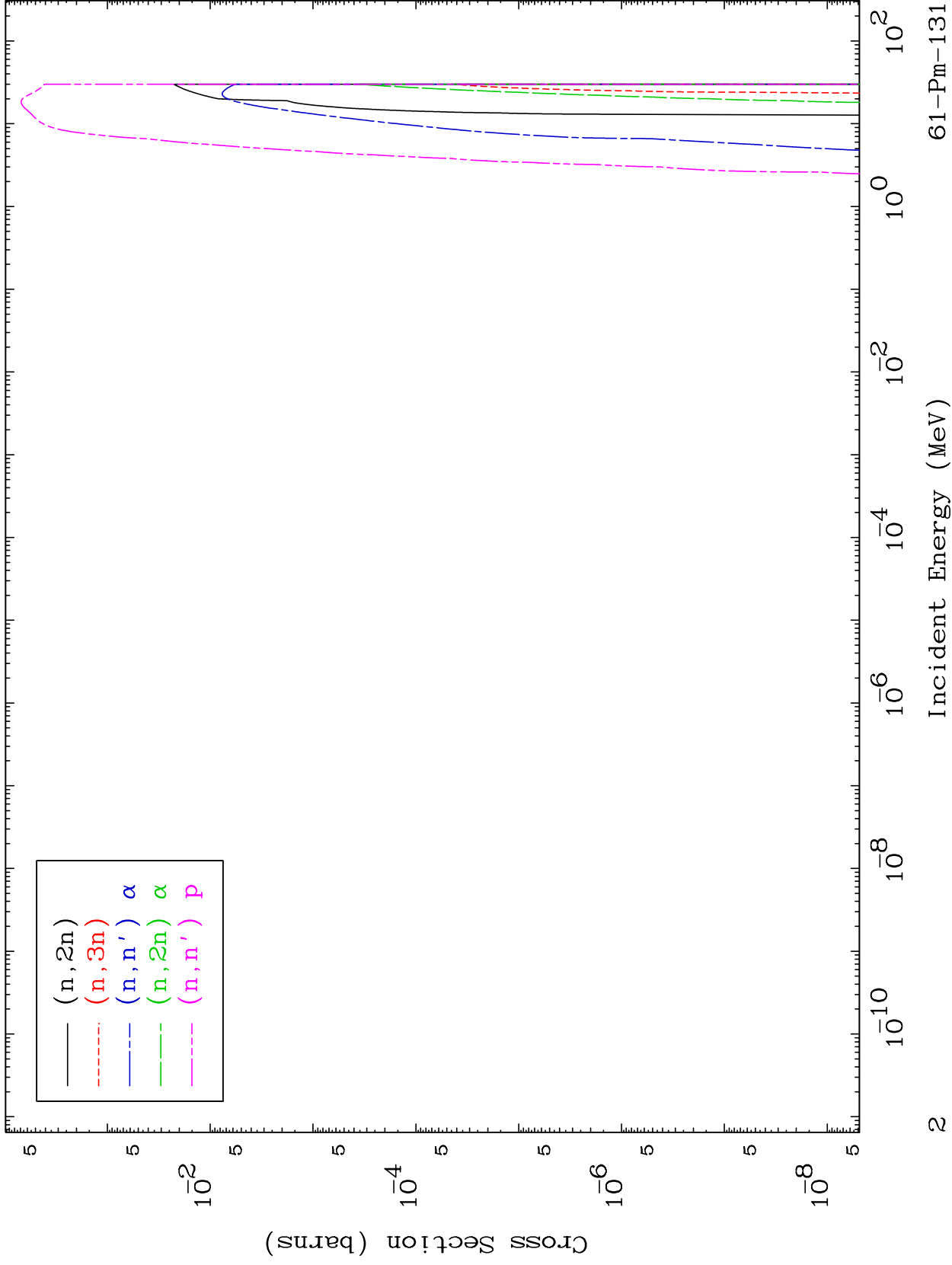
61-Pm-131



MAT 6101

Neutron Production
293 Kelvin Cross Sections

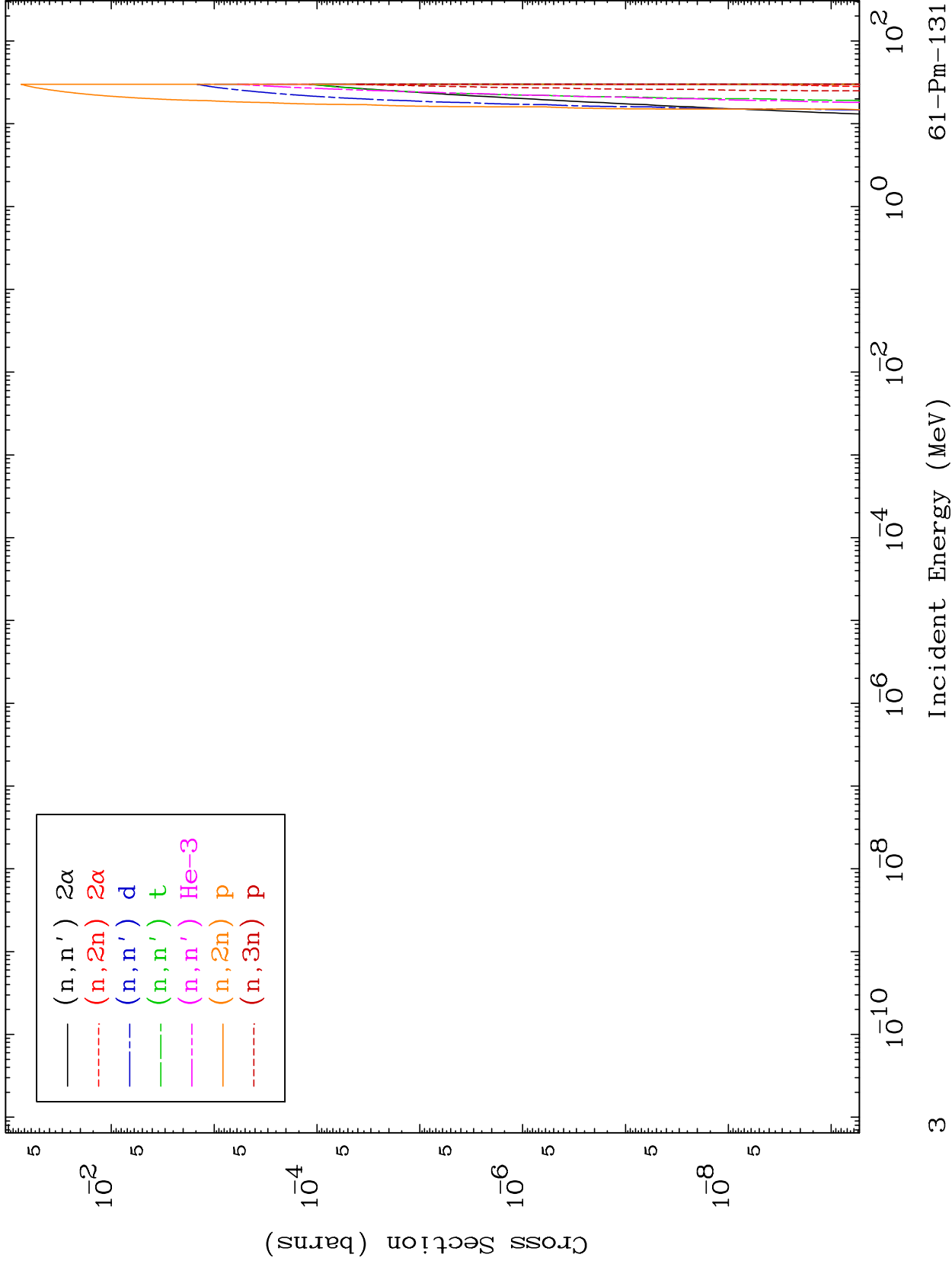
61-Pm-131



MAT 6101

Neutron Production
293 Kelvin Cross Sections

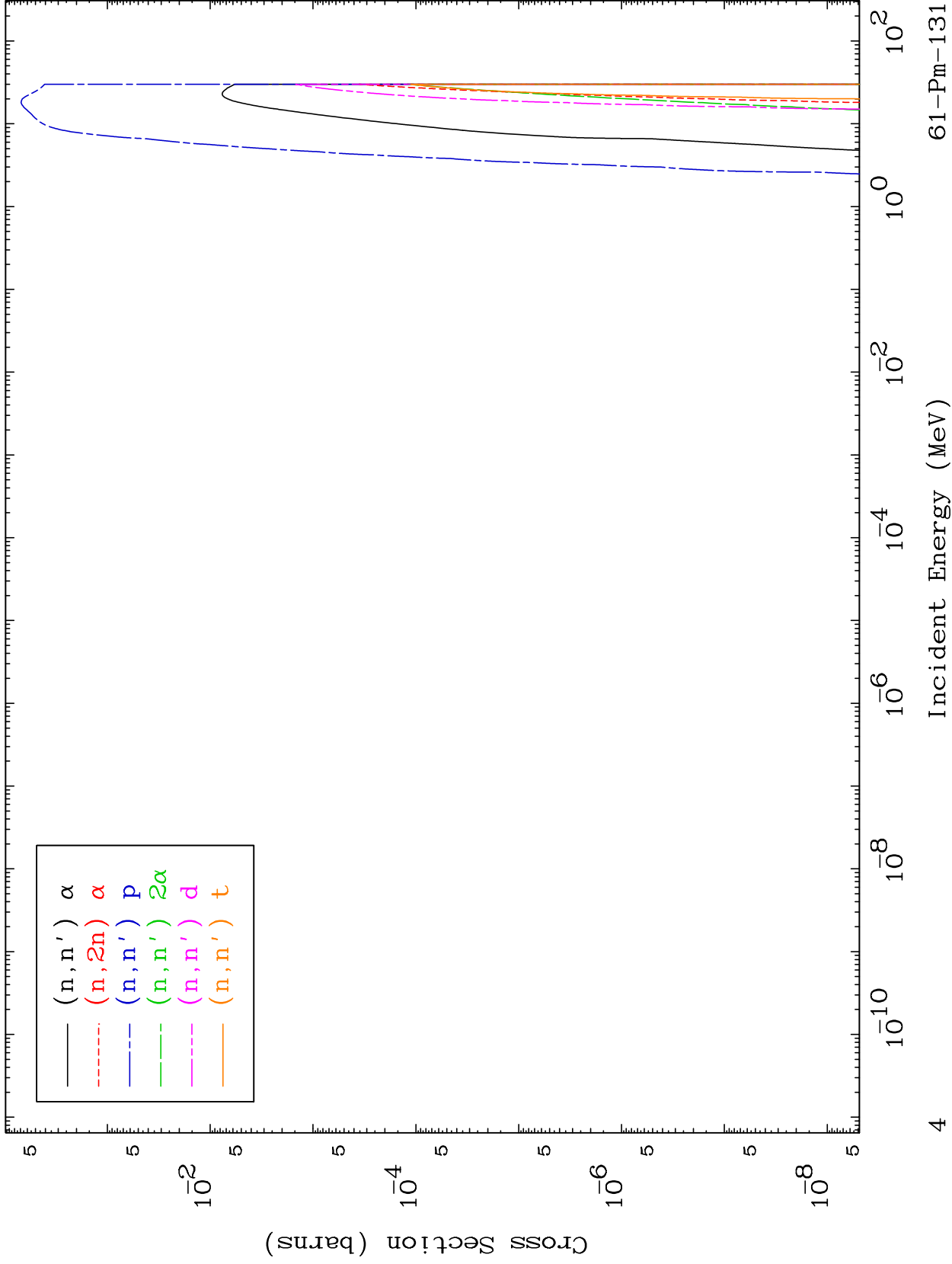
61-Pm-131



MAT 6101

Charged Particle
293 Kelvin Cross Sections

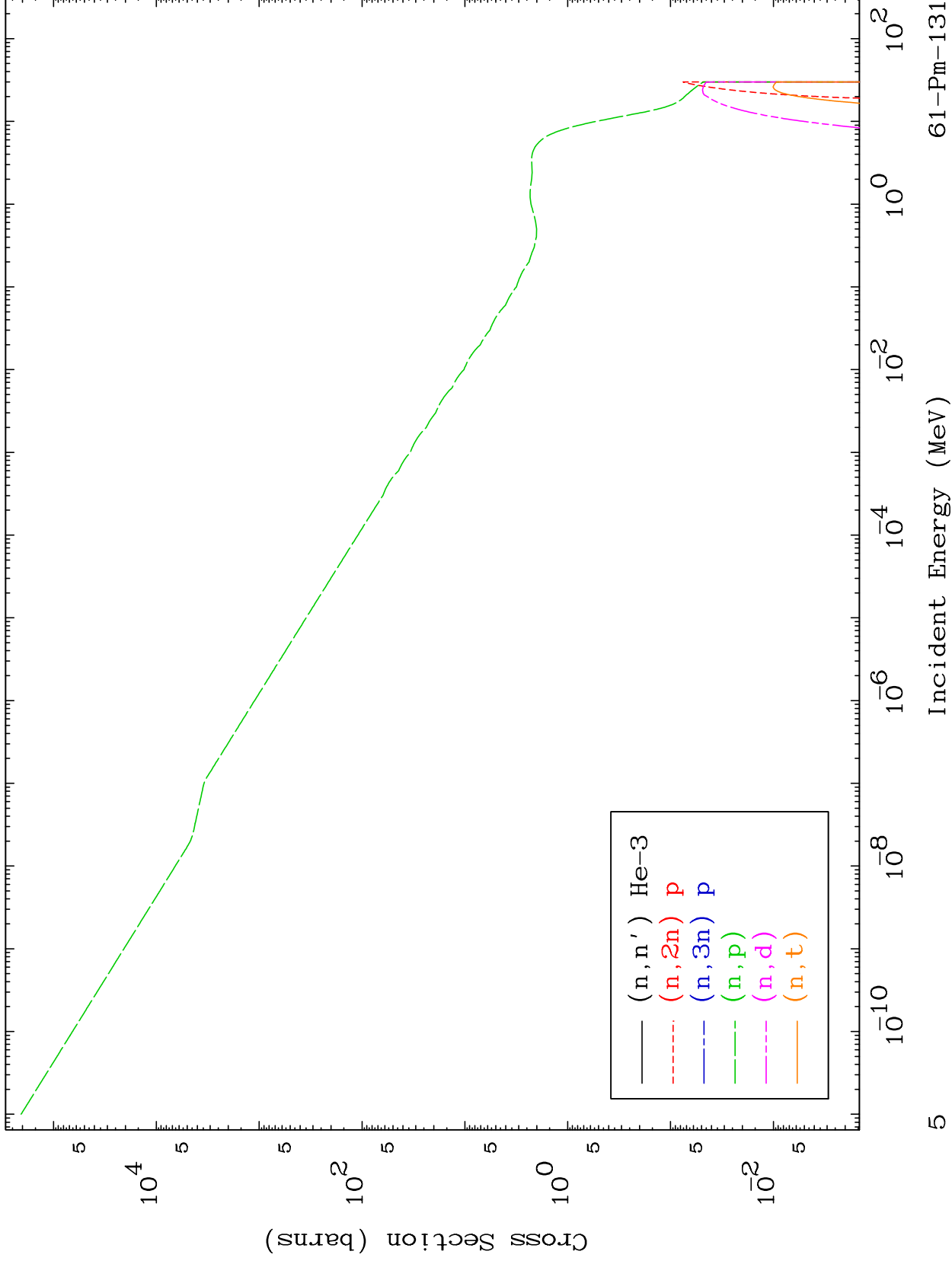
61-Pm-131



MAT 6101

Charged Particle
293 Kelvin Cross Sections

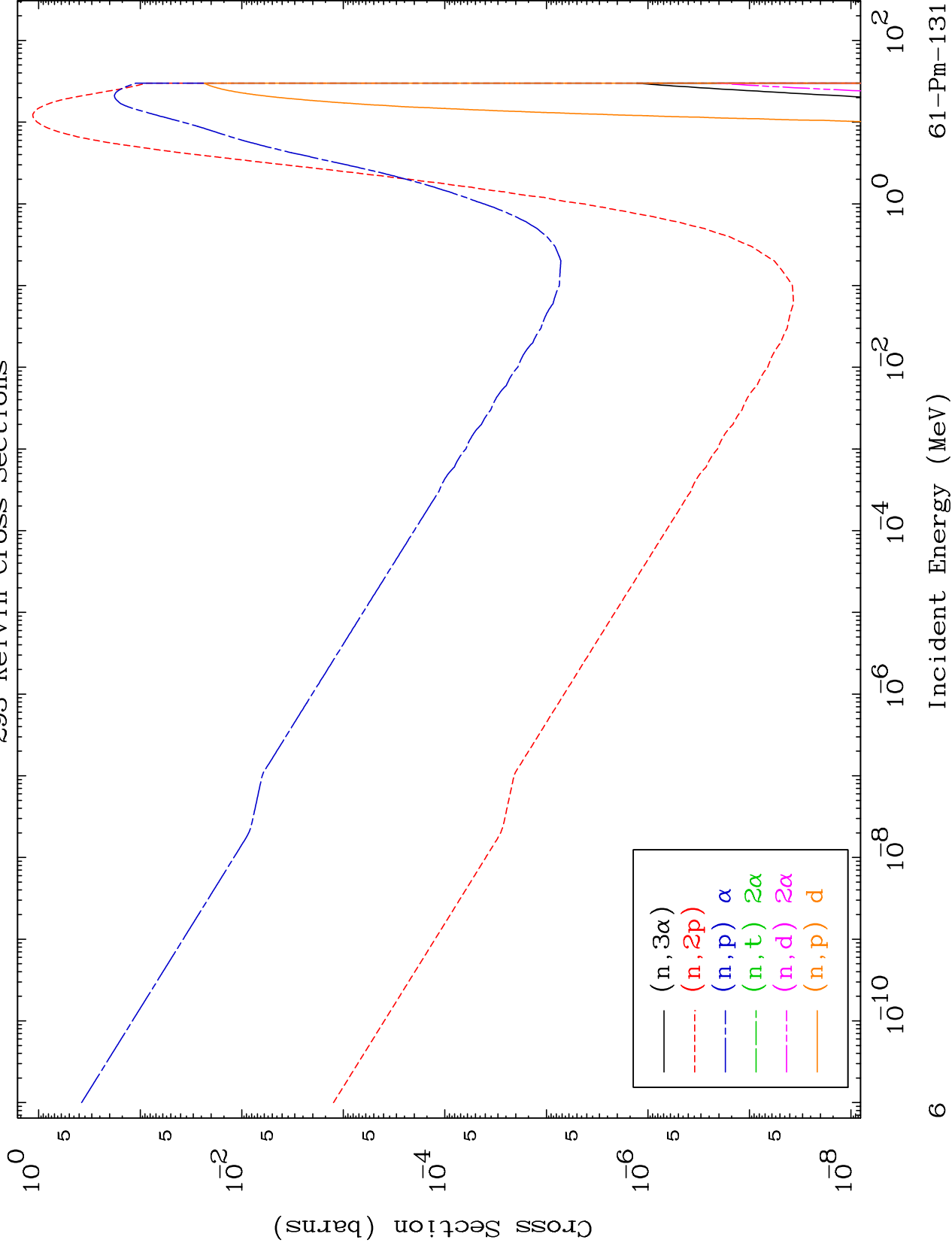
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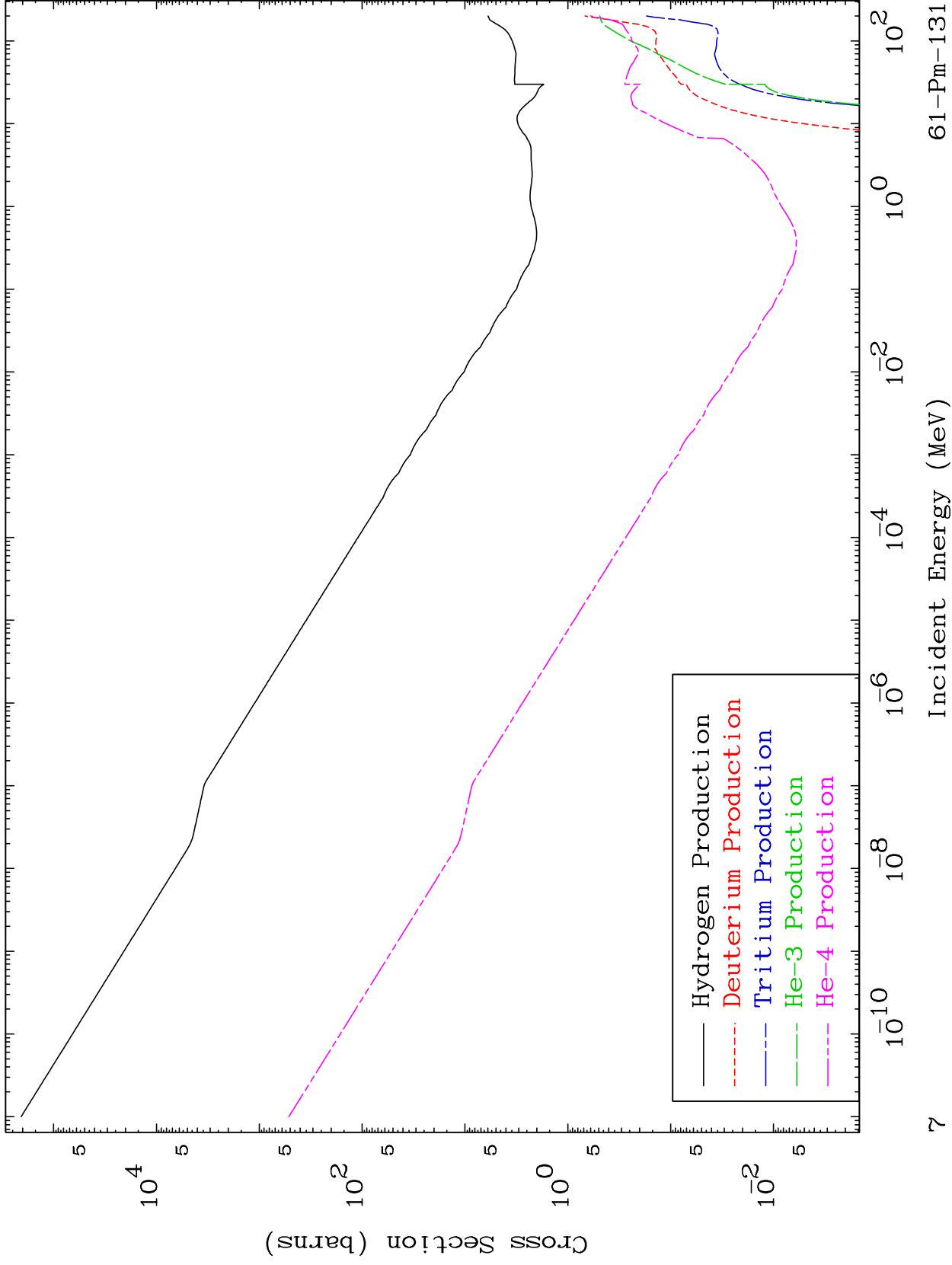


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Charged Particle
293 Kelvin Cross Sections

61-Pm-131



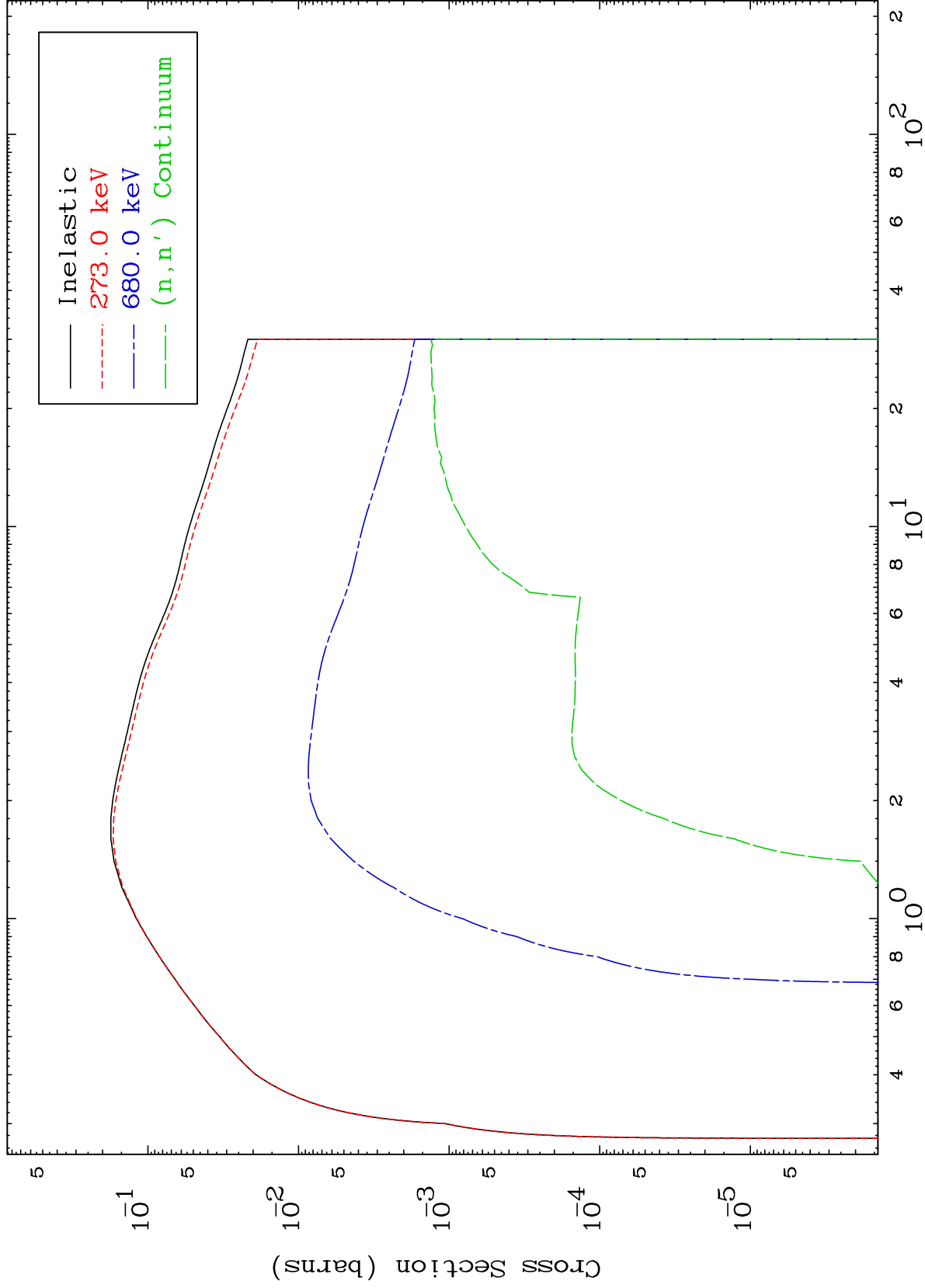


MAT 6101

(n,n') Level

61-Pm-131

293 Kelvin Cross Sections



8

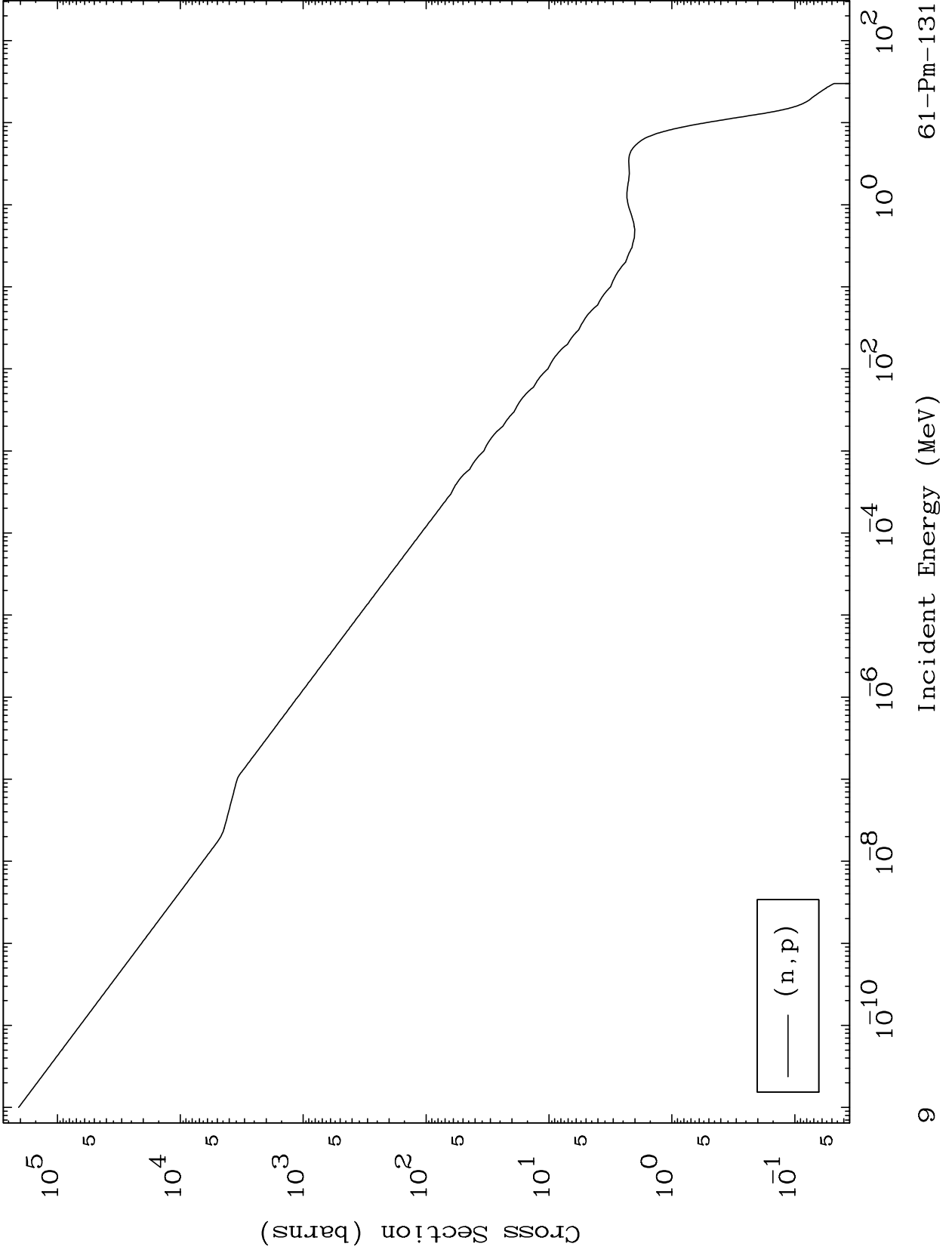
Incident Energy (MeV)

61-Pm-131

MAT 6101

(n,p) Levels
293 Kelvin Cross Sections

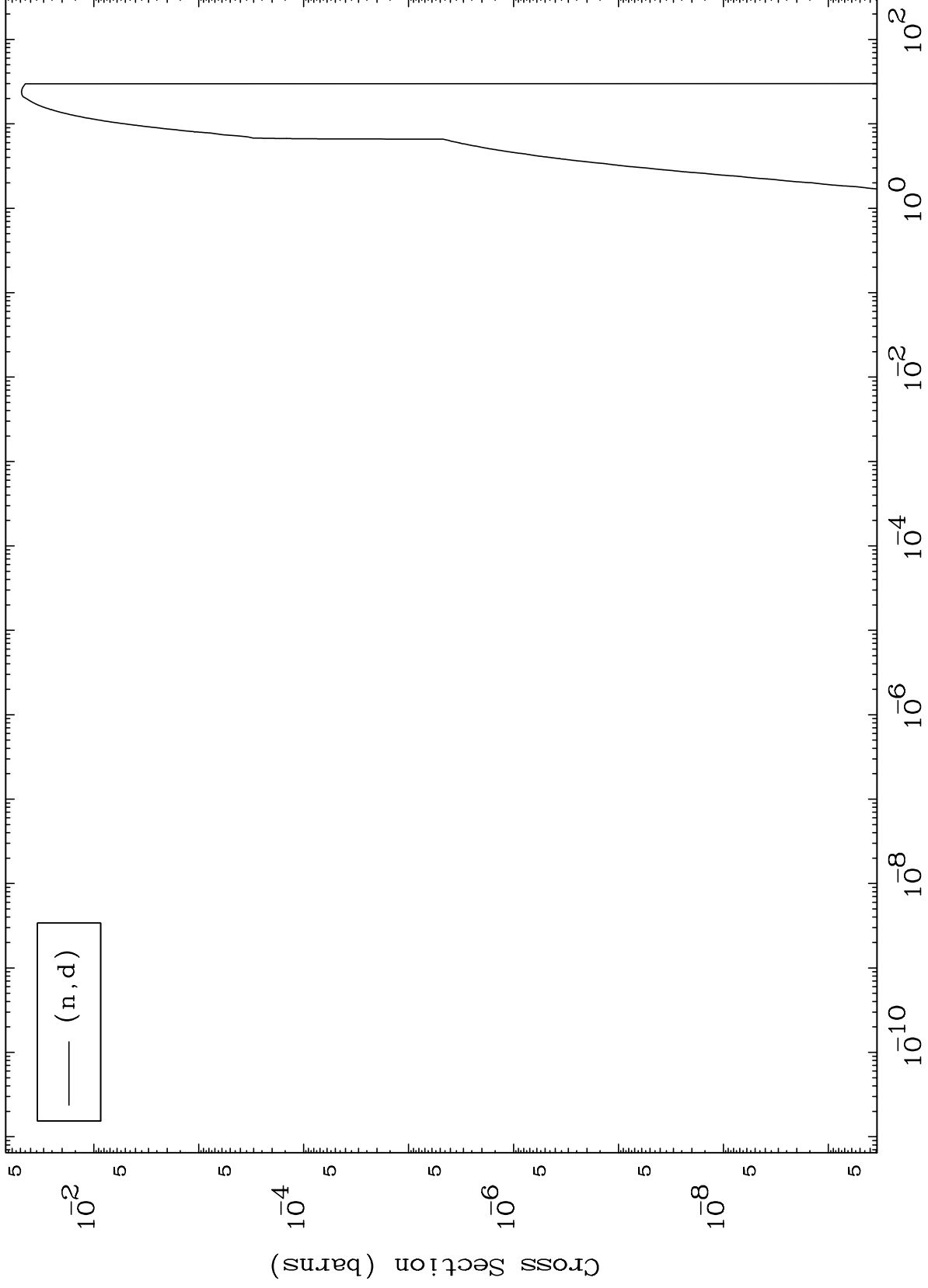
61-Pm-131



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(n,d) Levels
293 Kelvin Cross Sections

61-Pm-131



10

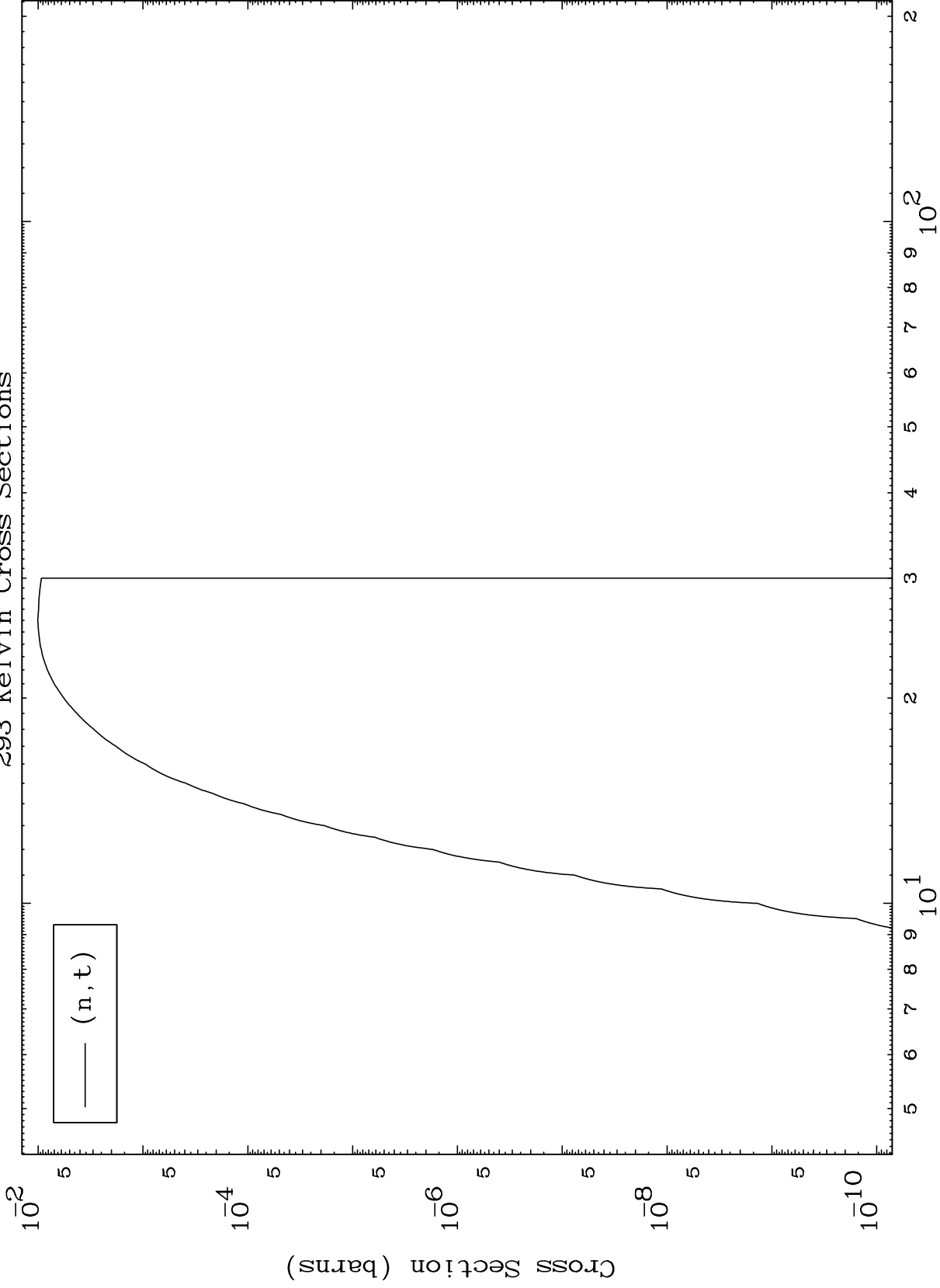
Incident Energy (MeV)

61-Pm-131

MAT 6101

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-131



(n,t)

Incident Energy (MeV)

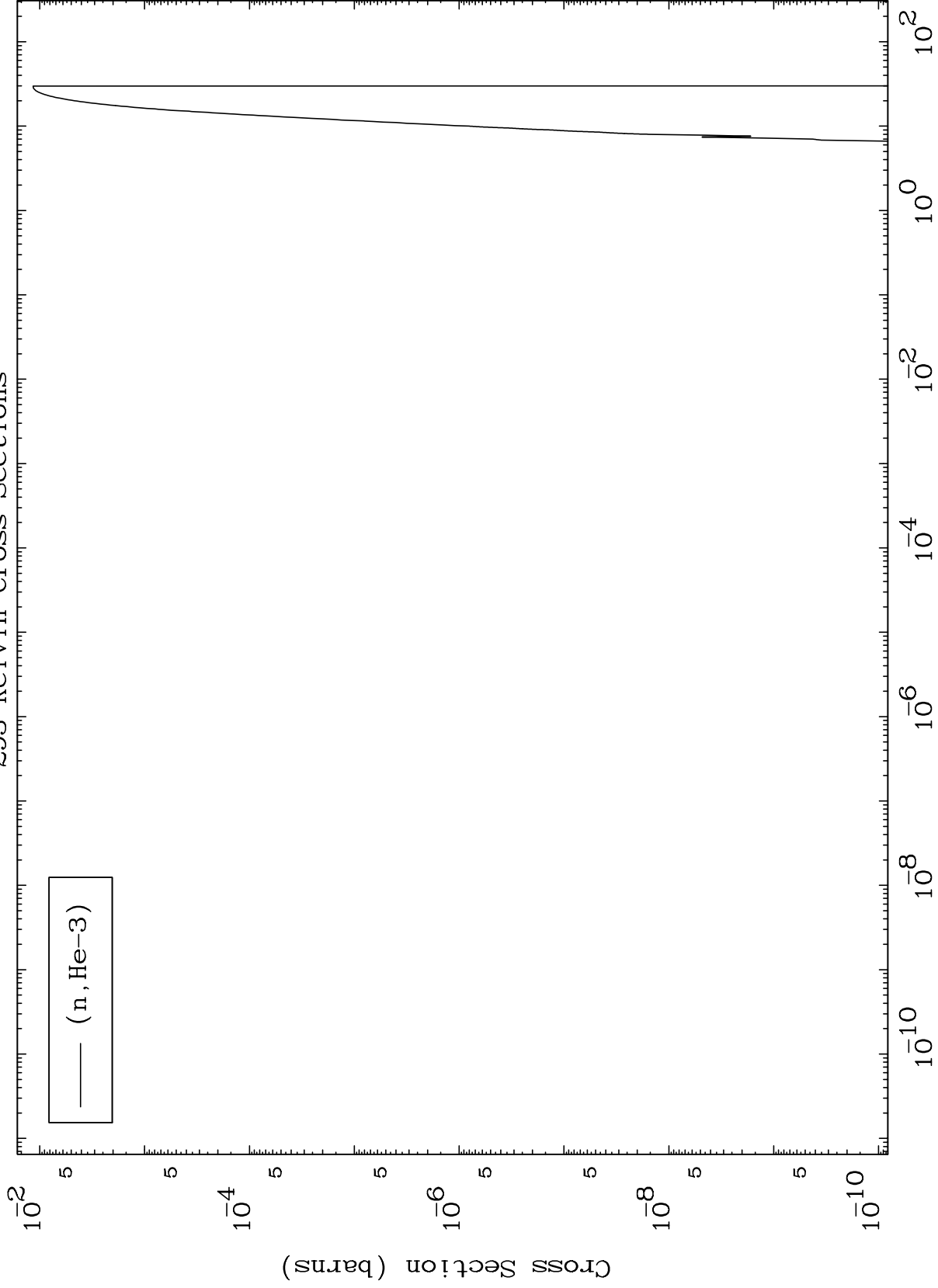
61-Pm-131

11

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(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-131



61-Pm-131

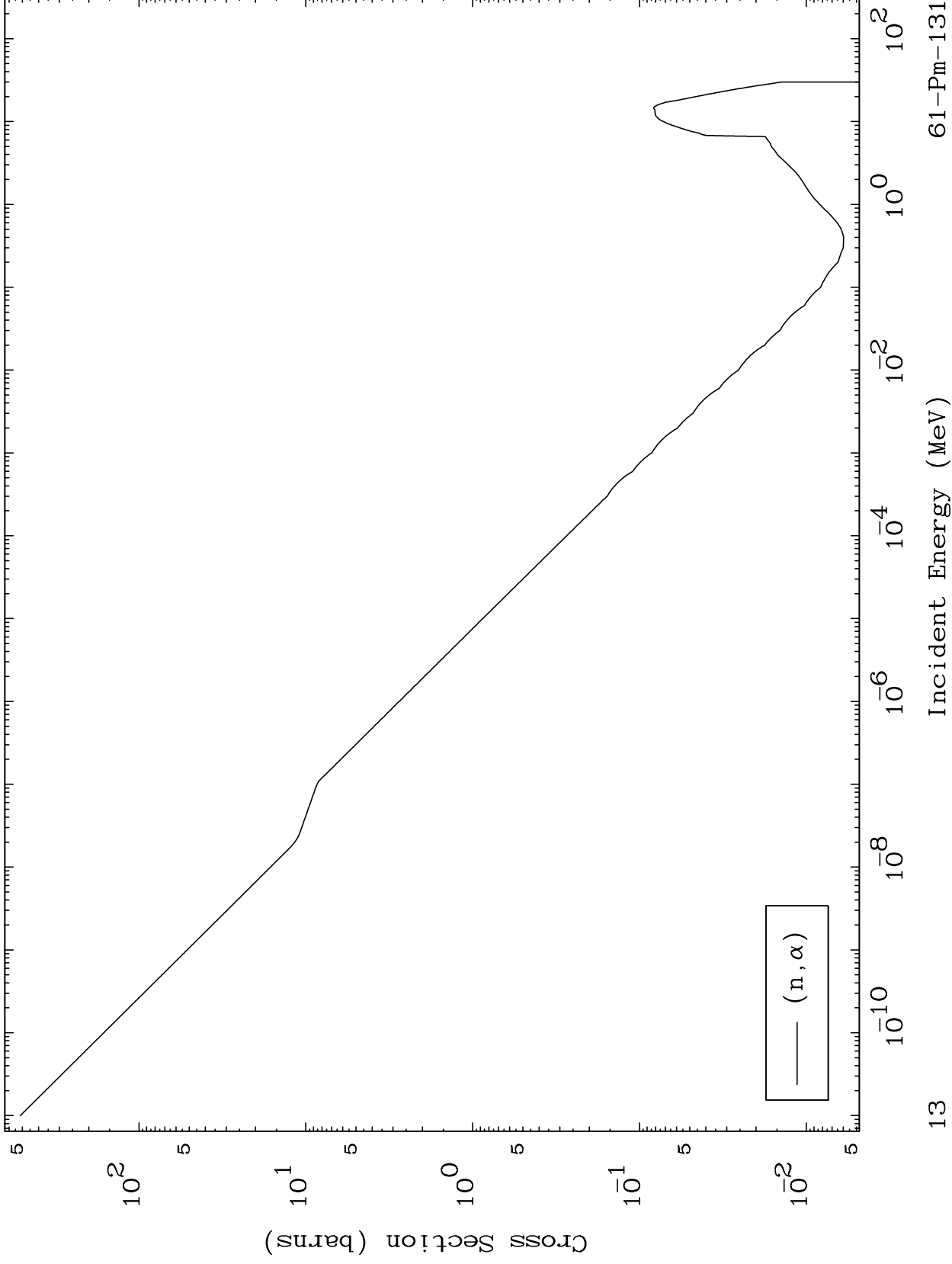
Incident Energy (MeV)

12

MAT 6101

(n,α) Levels
293 Kelvin Cross Sections

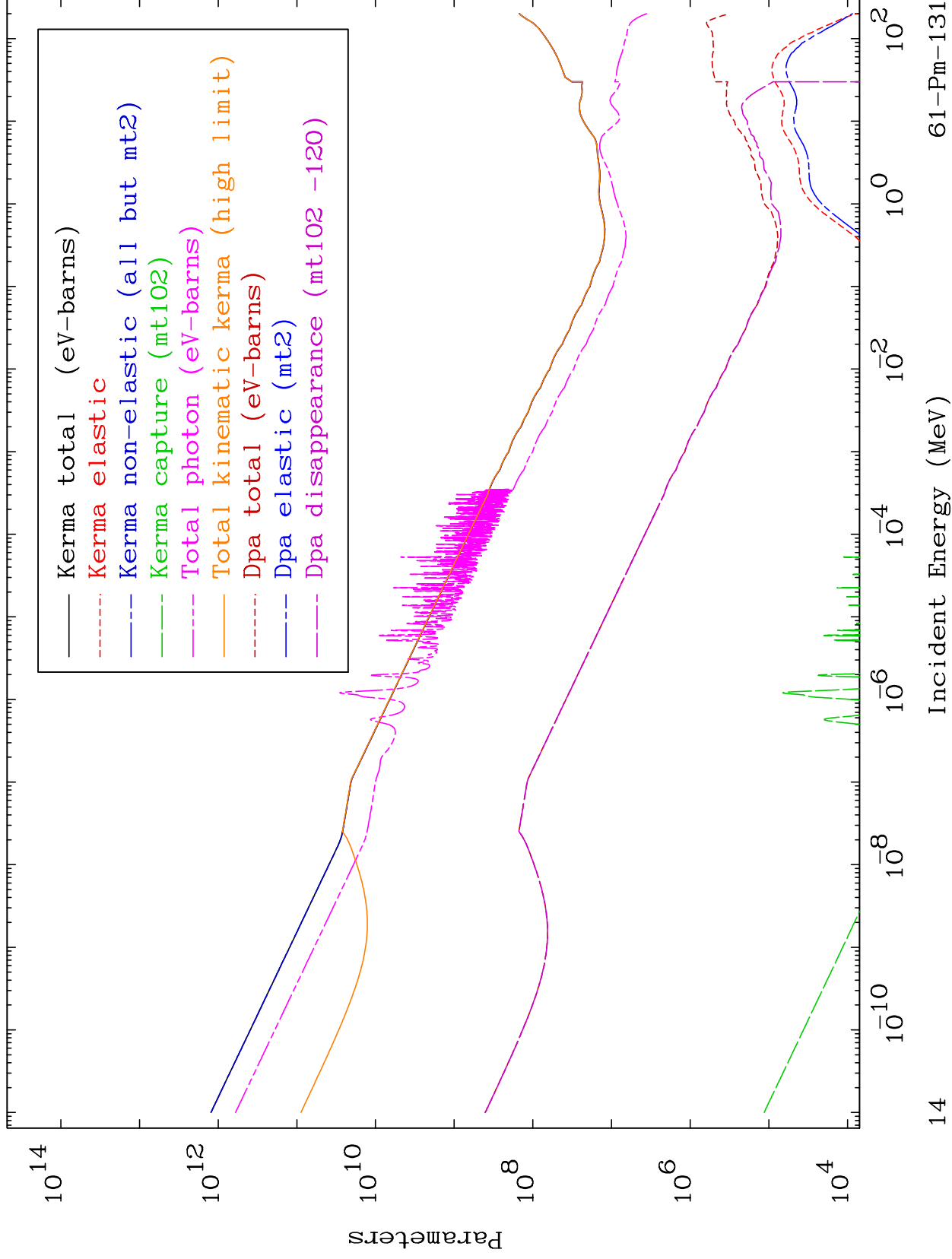
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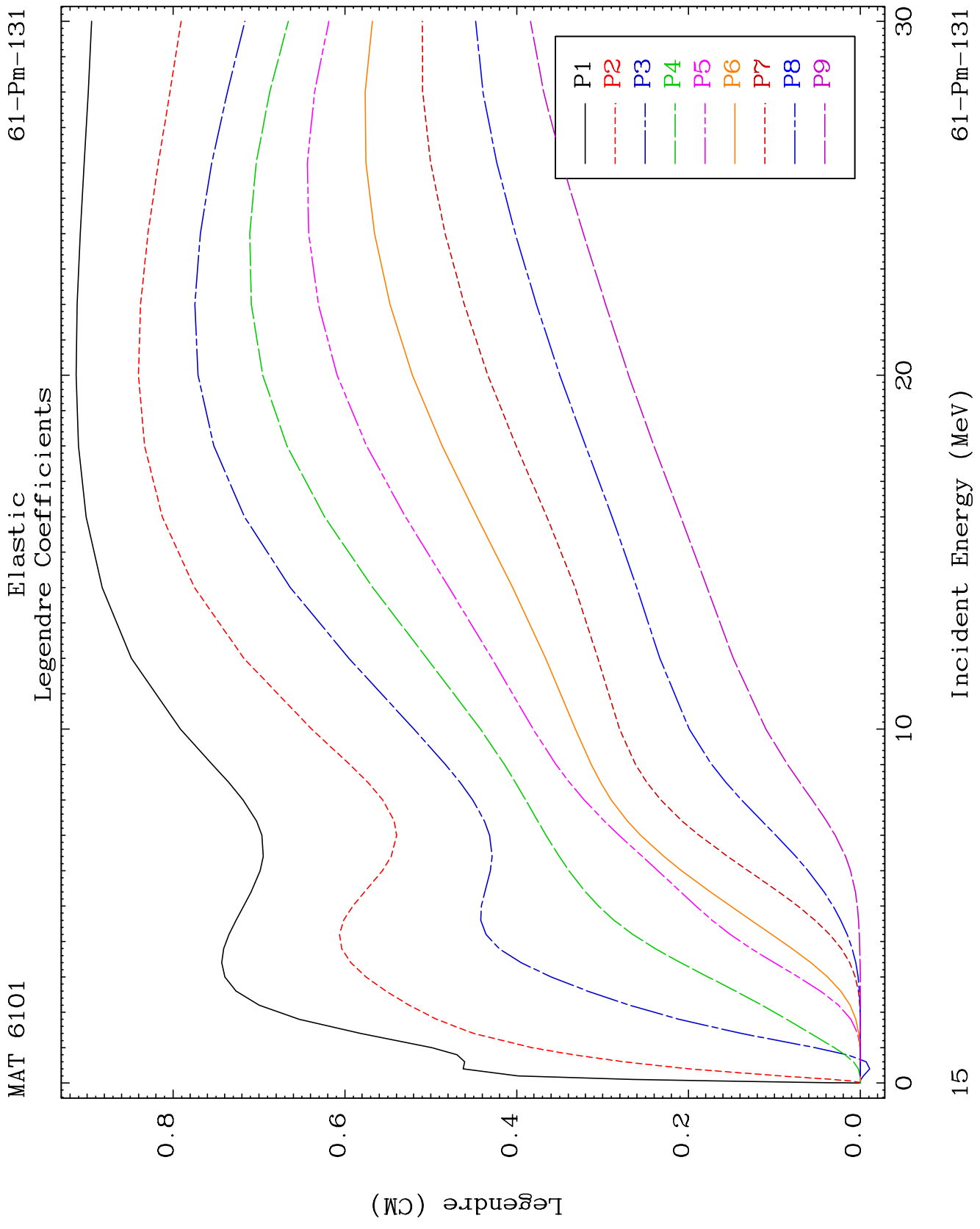


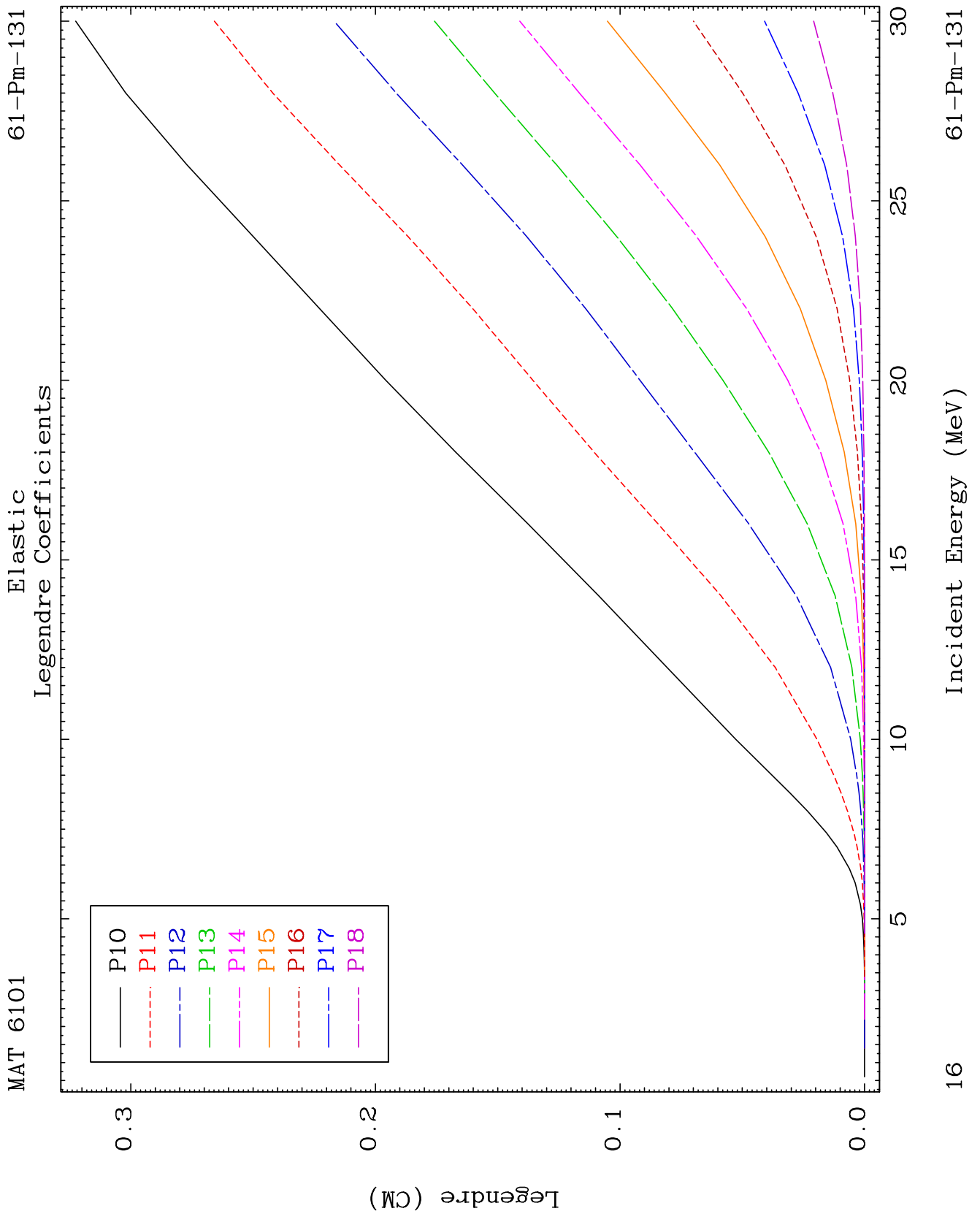
13

Incident Energy (MeV)

61-Pm-131



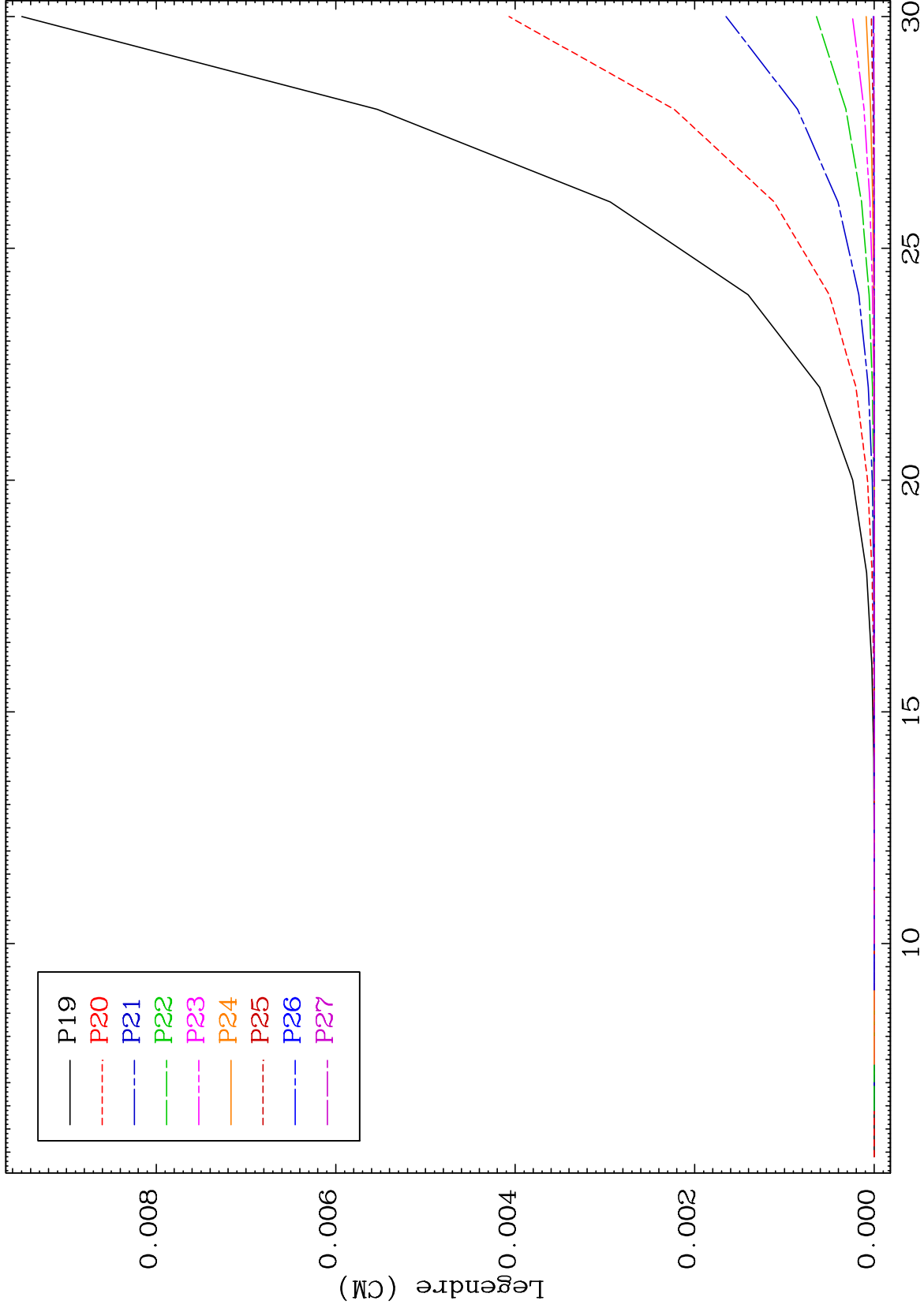




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Elastic Legendre Coefficients

61-Pm-131



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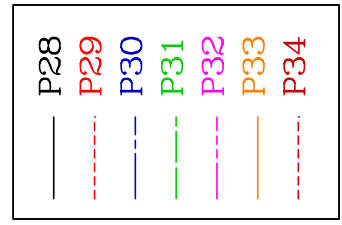
Incident Energy (MeV)

61-Pm-131

MAT 6101

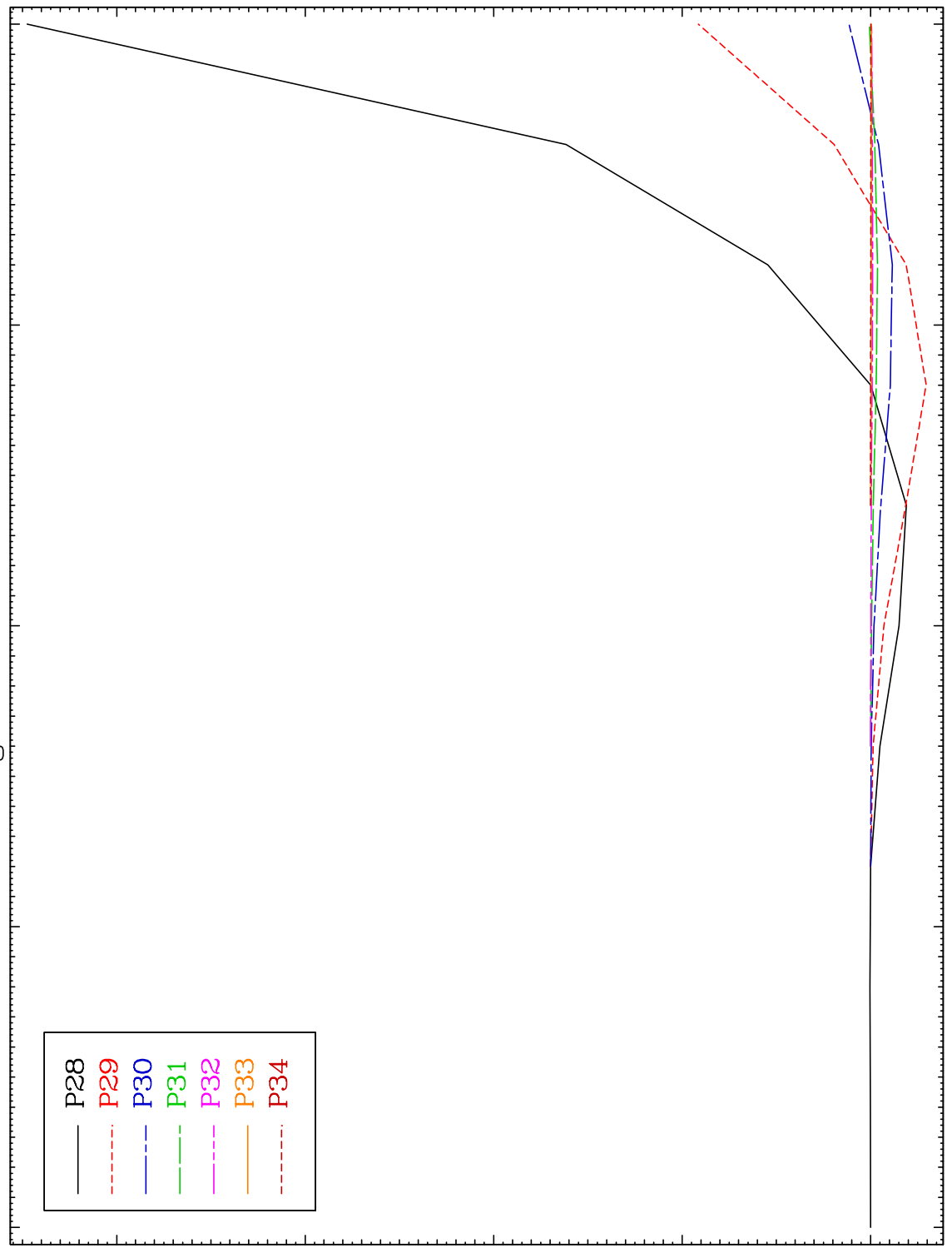
Elastic
Legendre Coefficients

61-Pm-131



$\times 10^{-7}$

Legendre (CM)



18

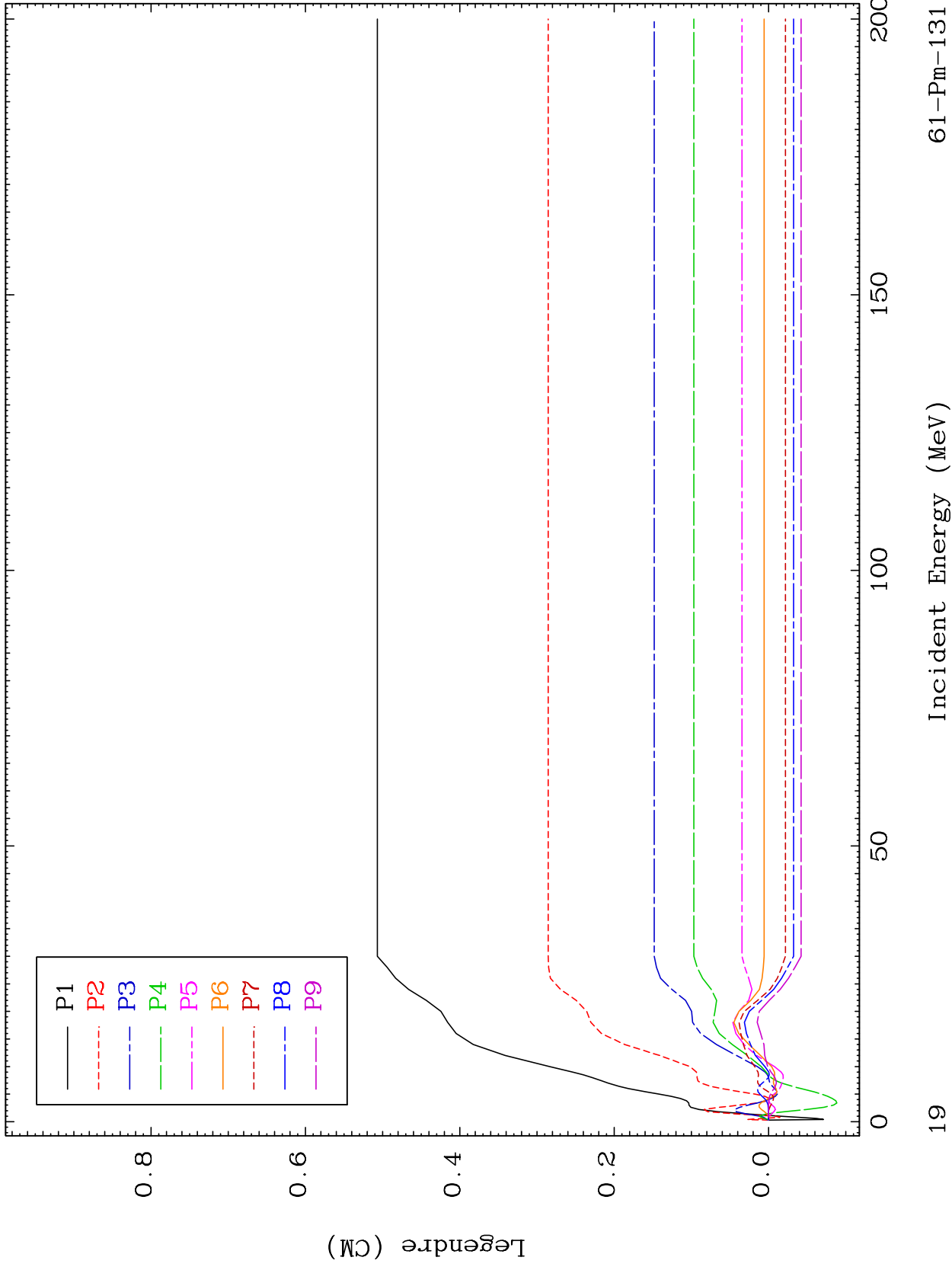
Incident Energy (MeV)

61-Pm-131

MAT 6101

273.0 keV (n,n') Level
Legendre Coefficients

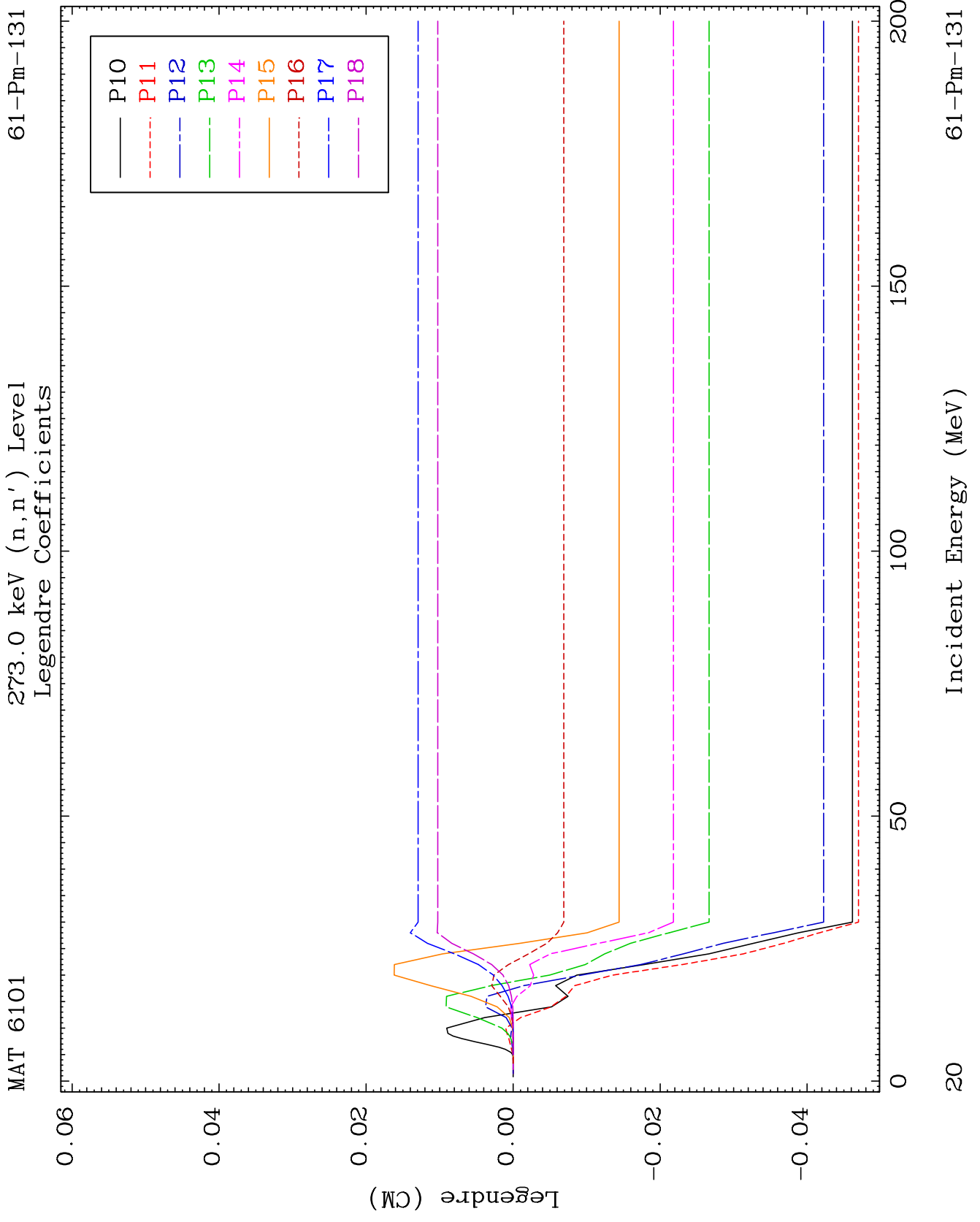
61-Pm-131



61-Pm-131

Incident Energy (MeV)

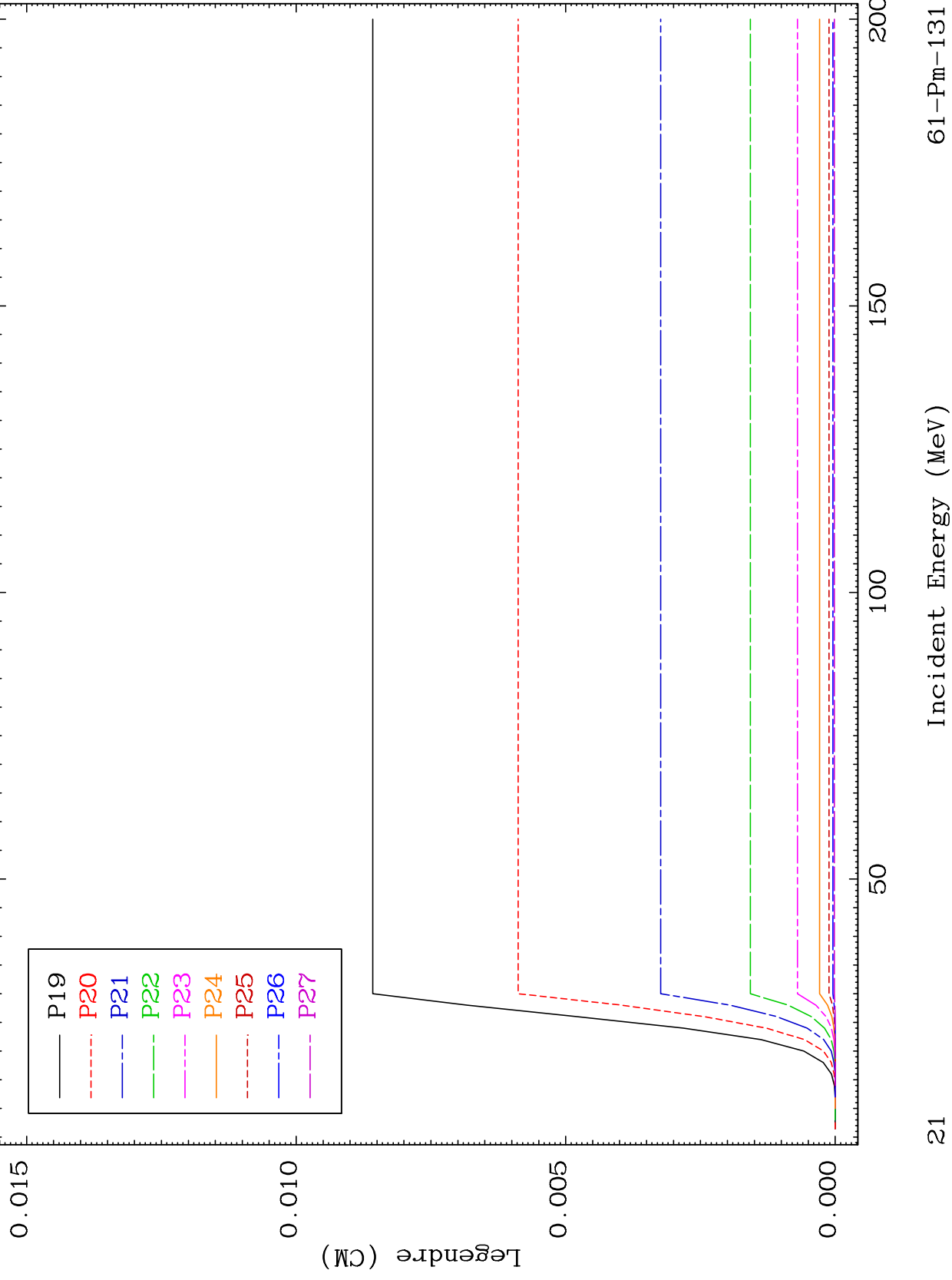
19



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273.0 keV (n,n') Level
Legendre Coefficients

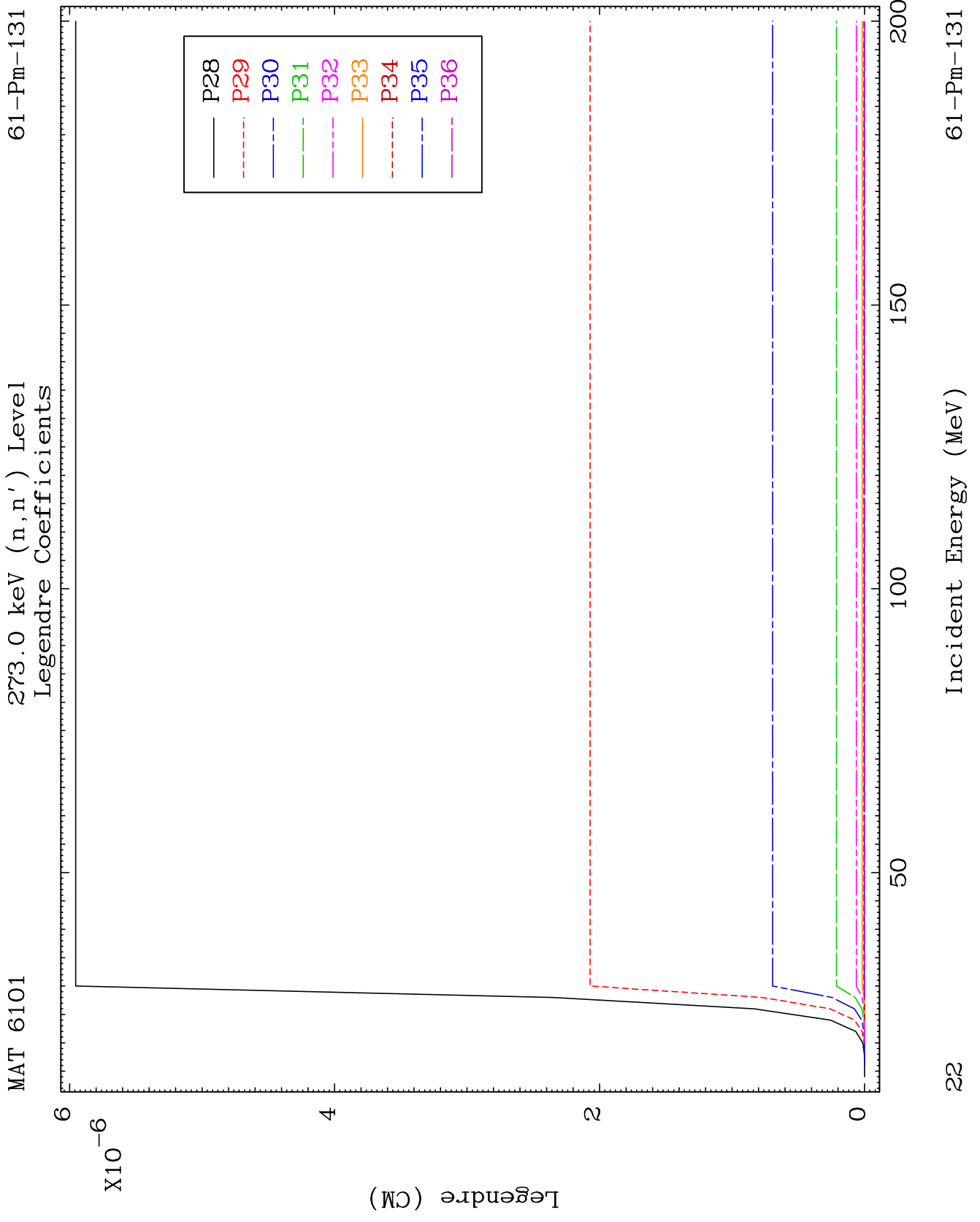
61-Pm-131

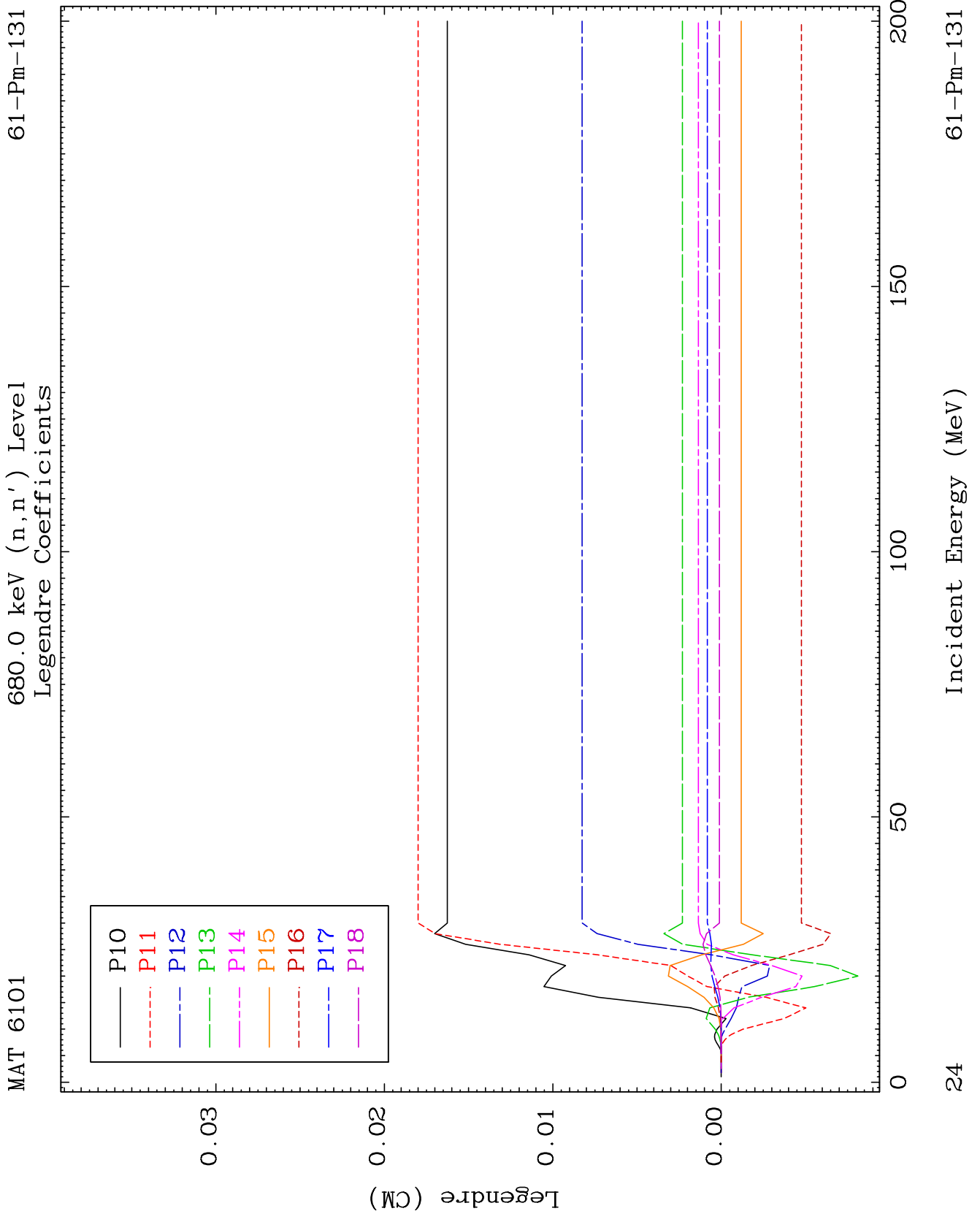


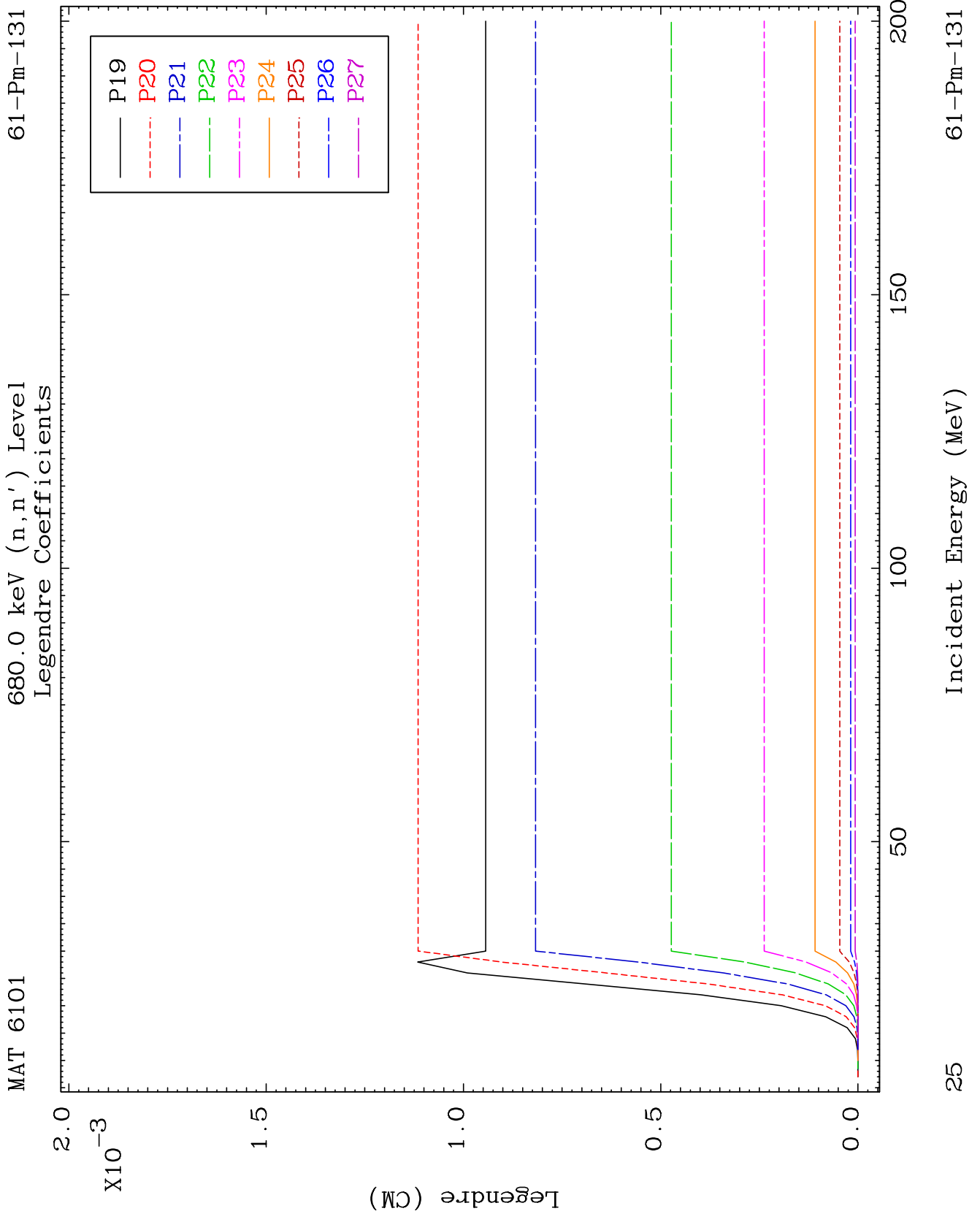
21

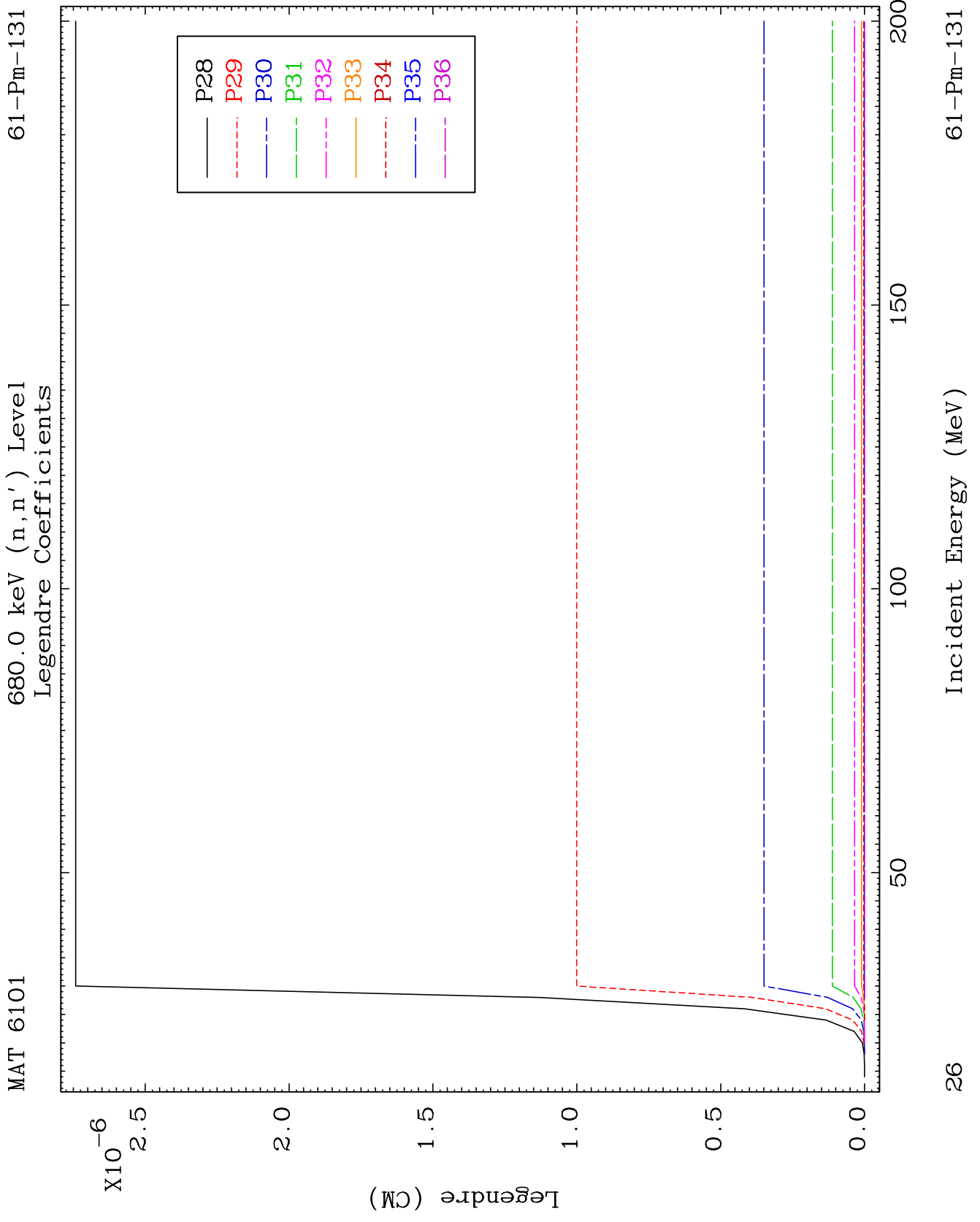
Incident Energy (MeV)

61-Pm-131







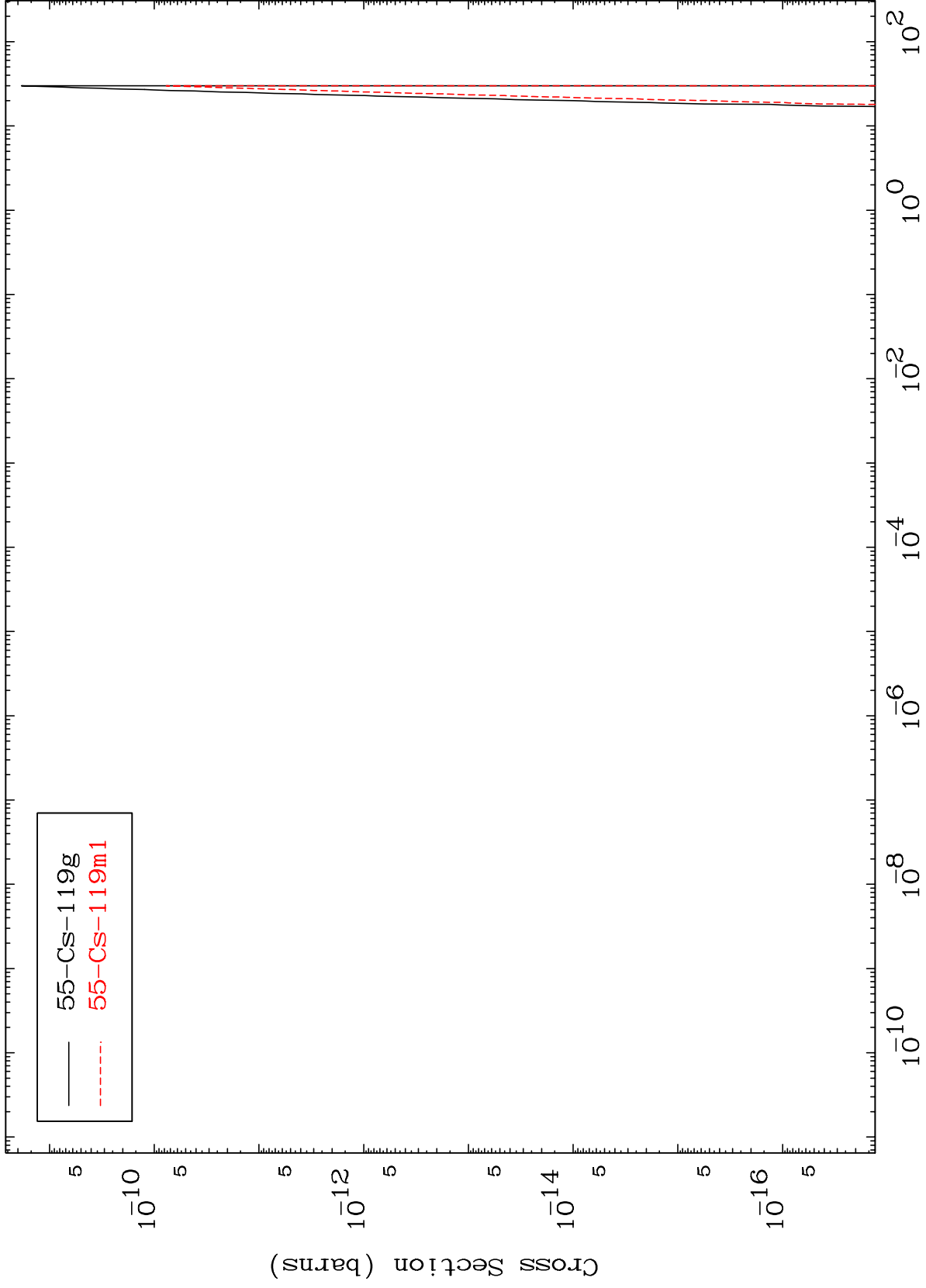


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(n,n') 3 α

61-Pm-131

Radionuclide Production Cross Section

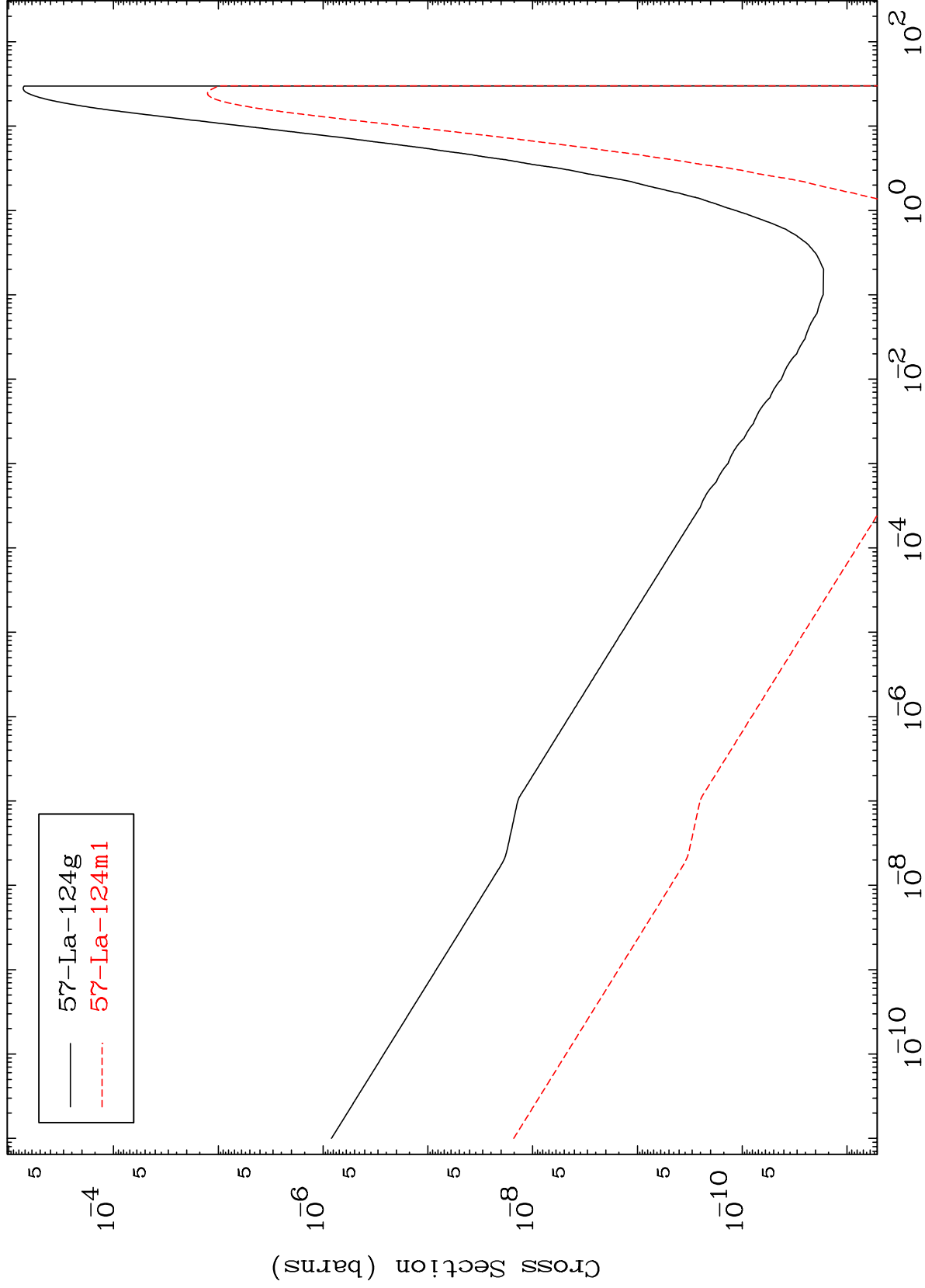


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(n,2α)

61-Pm-131

Radionuclide Production Cross Section



28

Incident Energy (MeV)

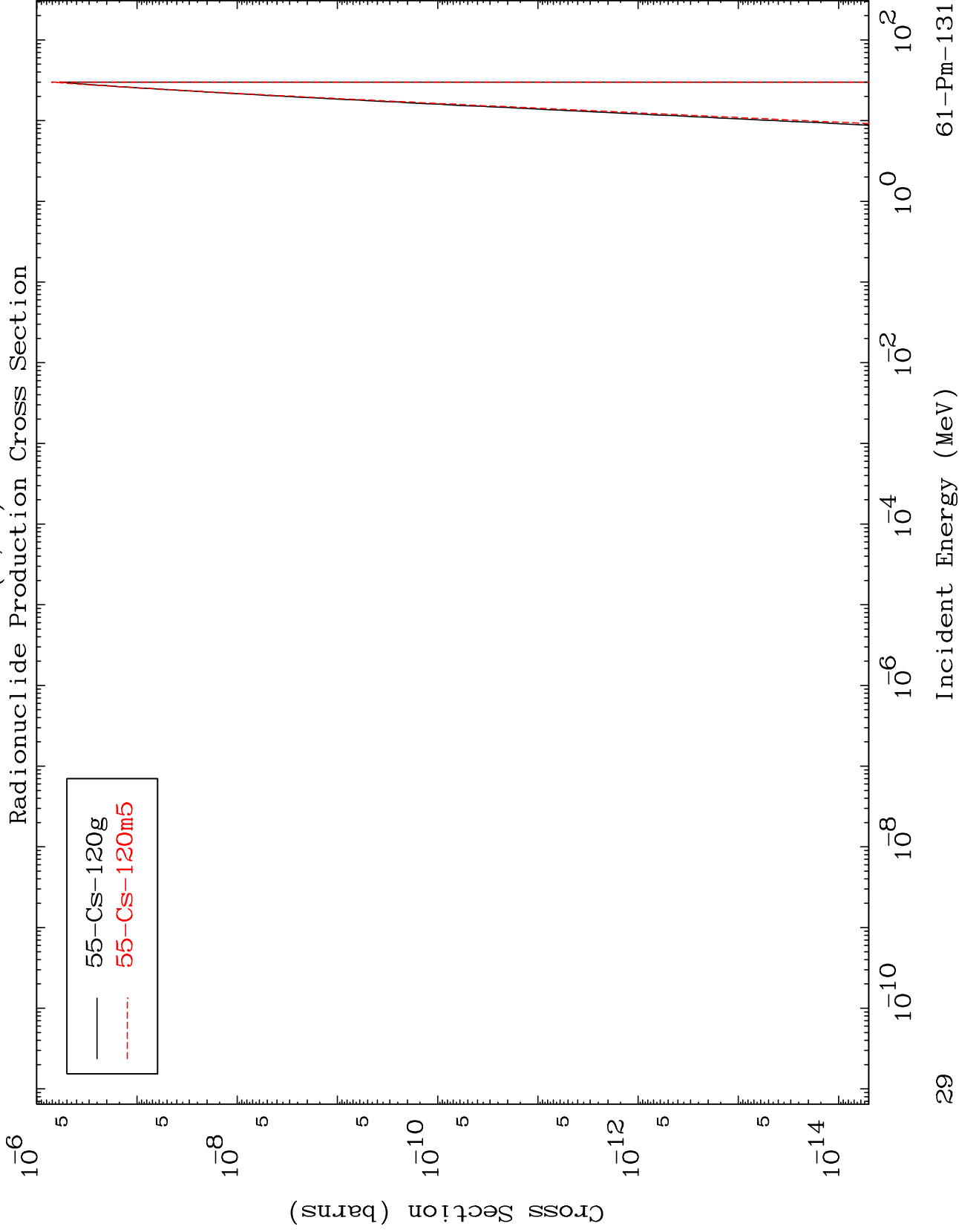
61-Pm-131

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(n,3 α)

61-Pm-131

Radionuclide Production Cross Section

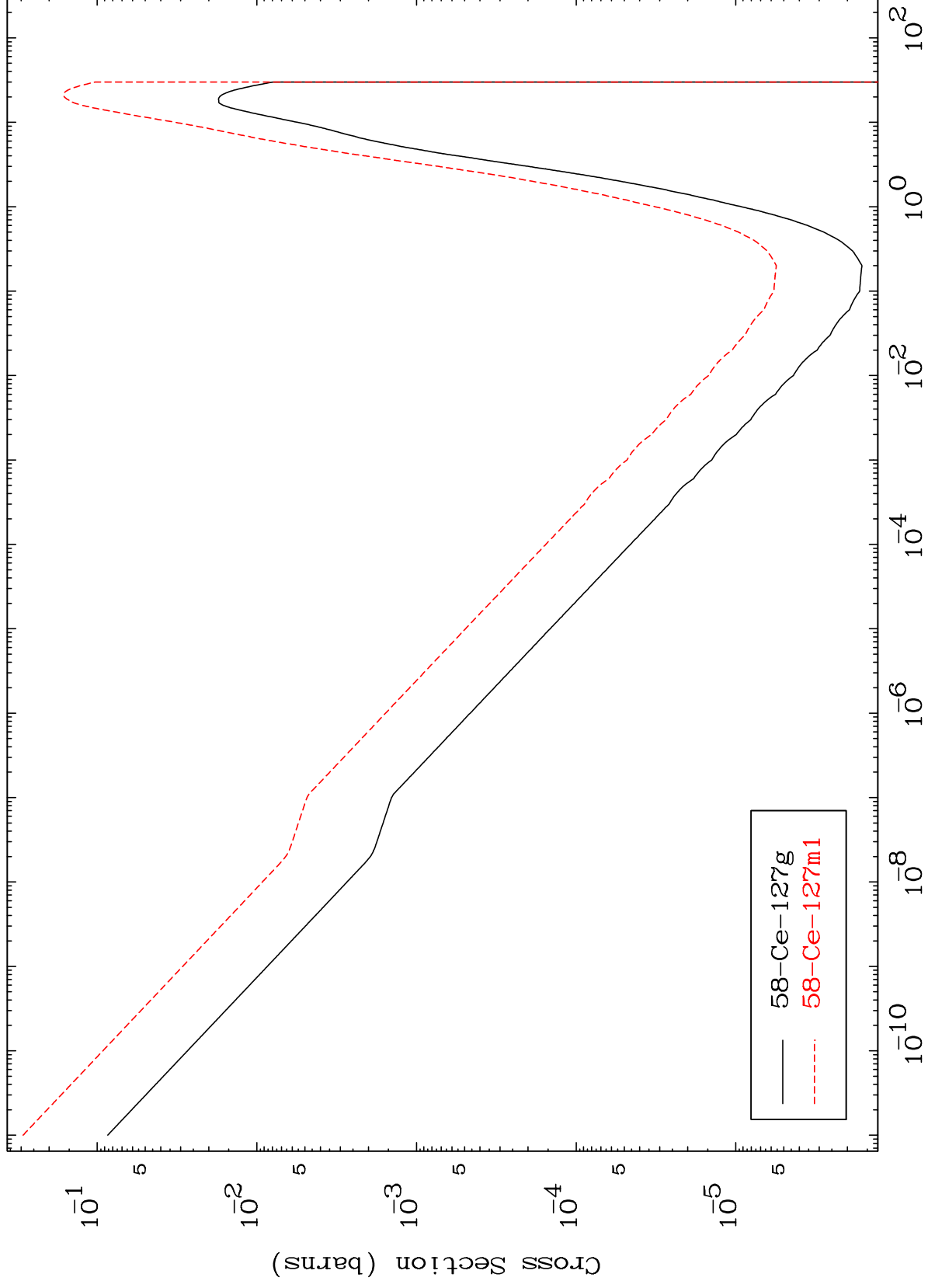


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(n,p) α

61-Pm-131

Radionuclide Production Cross Section



30

Incident Energy (MeV)

61-Pm-131