

Program EVALPLOT  
(Version 2017-1)

by

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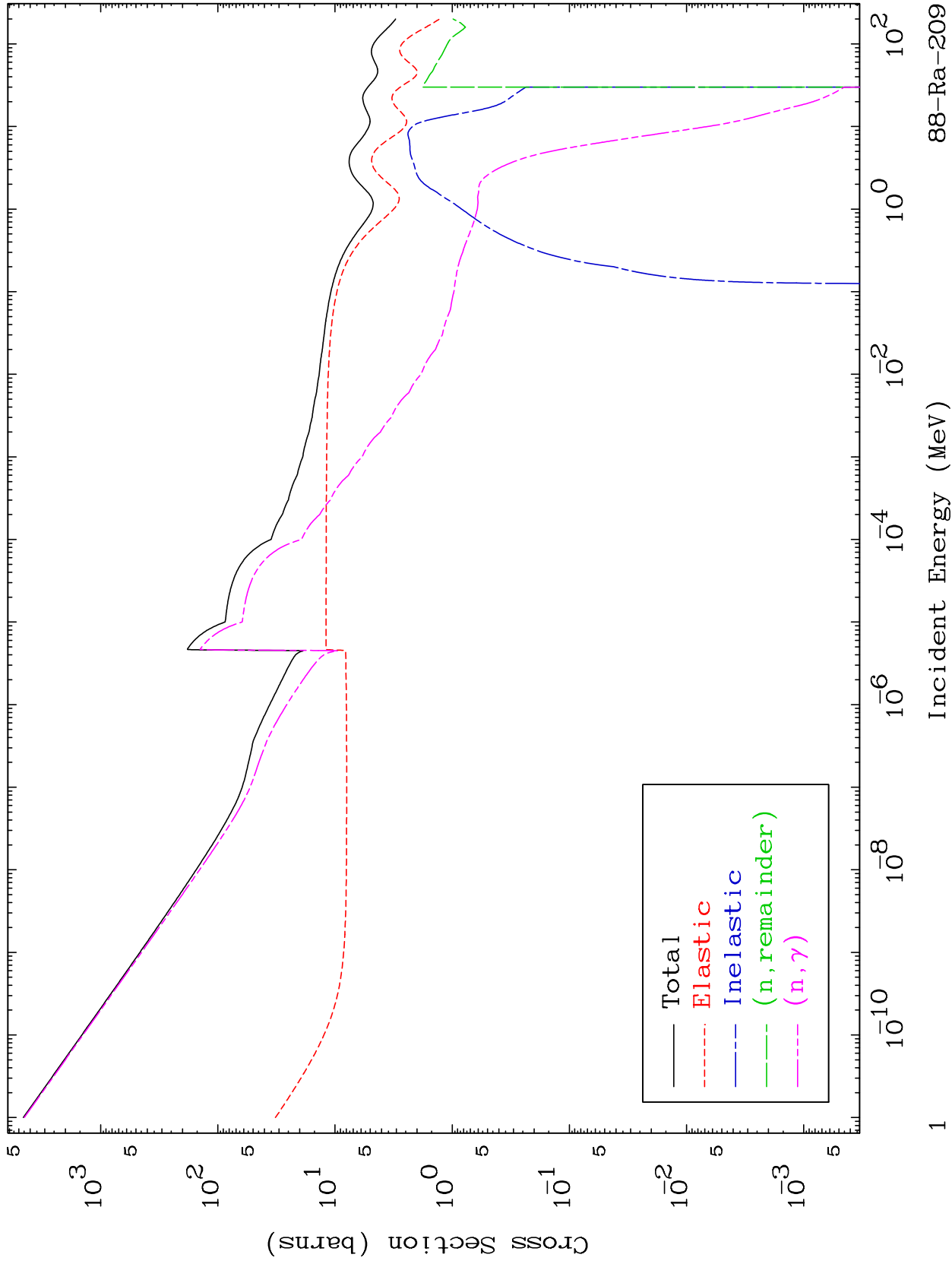
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8783

Major  
293 Kelvin Cross Sections

88-Ra-209

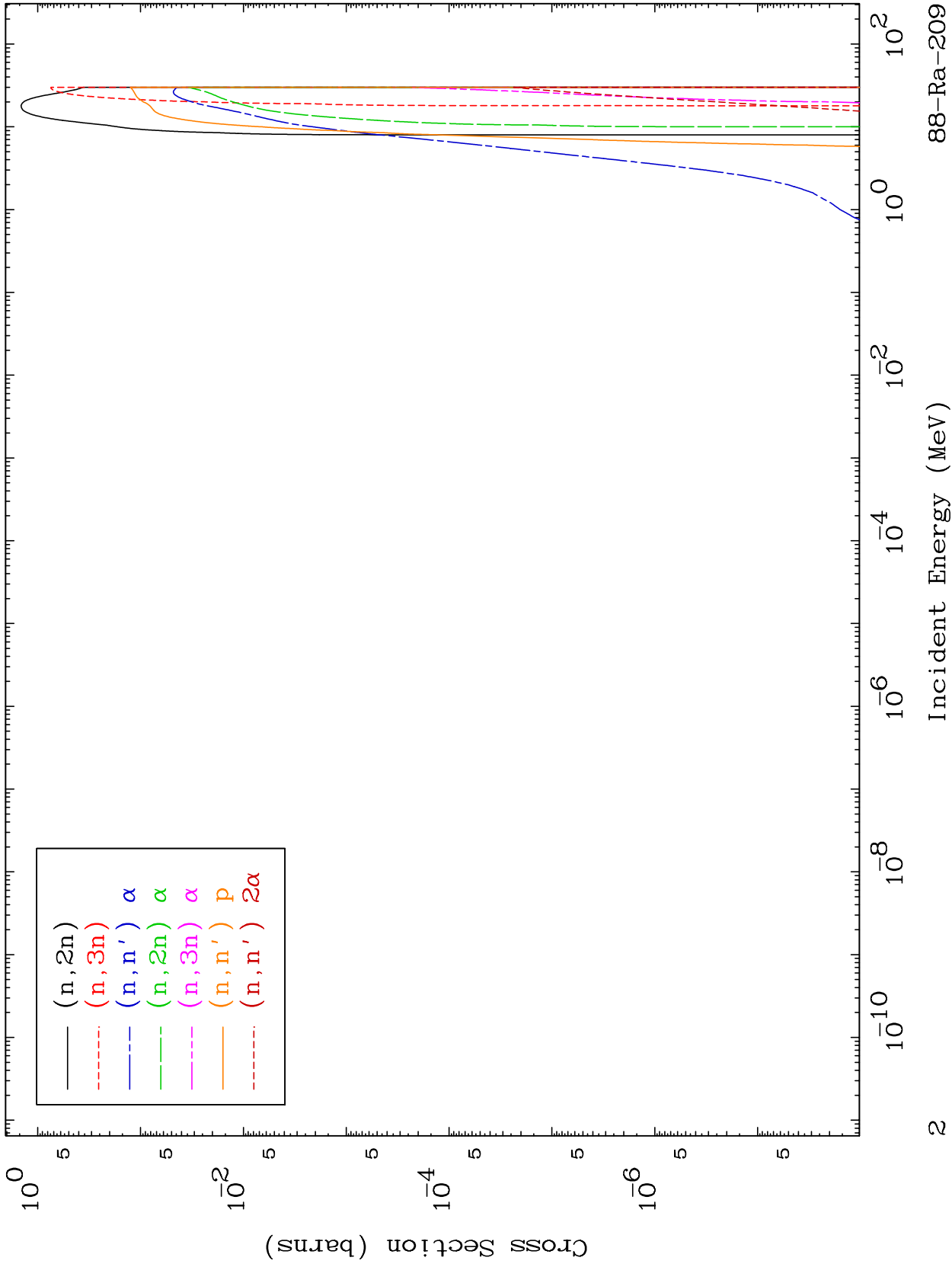


1

MAT 8783

Neutron Production  
293 Kelvin Cross Sections

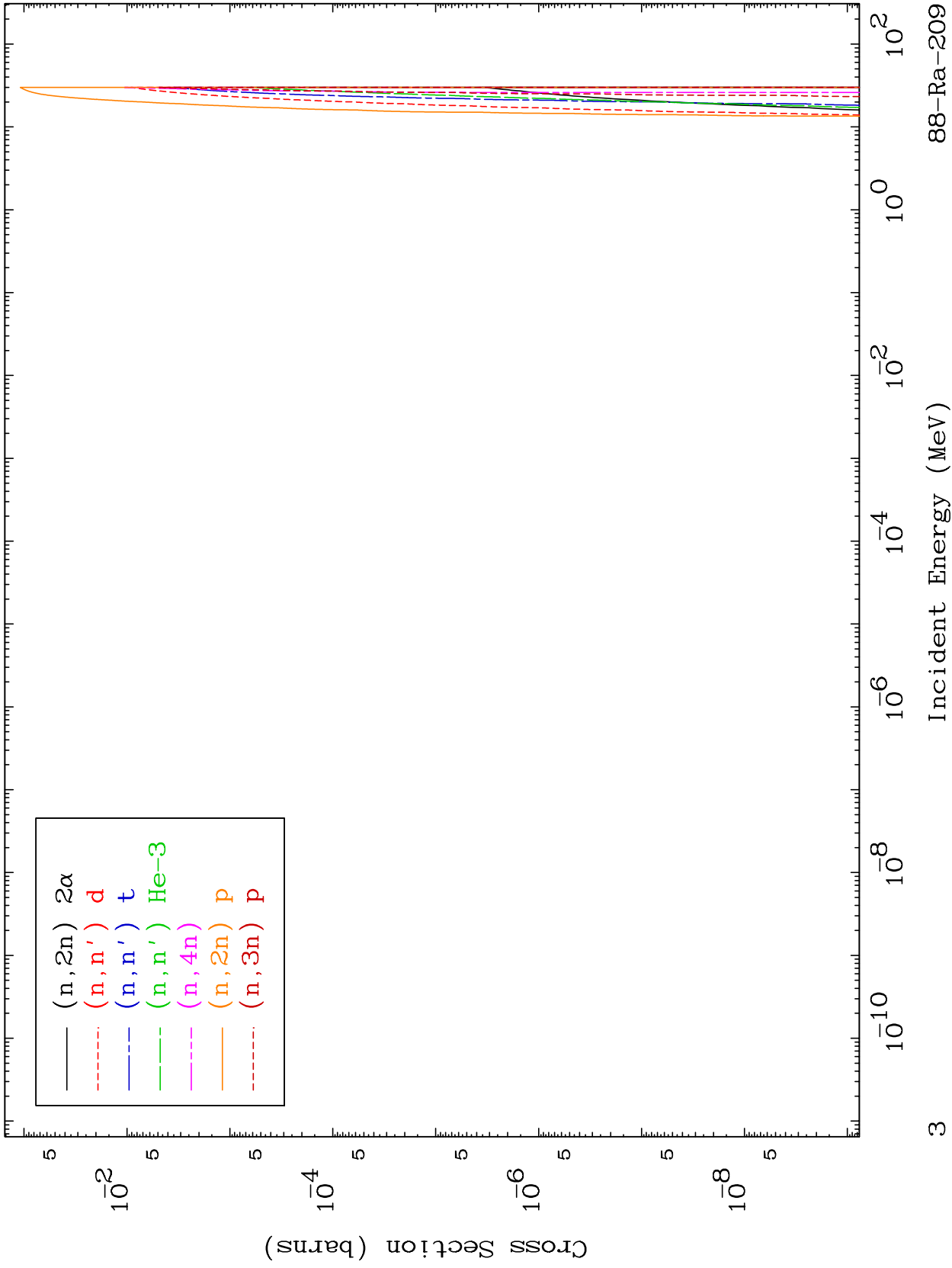
88-Ra-209



MAT 8783

Neutron Production  
293 Kelvin Cross Sections

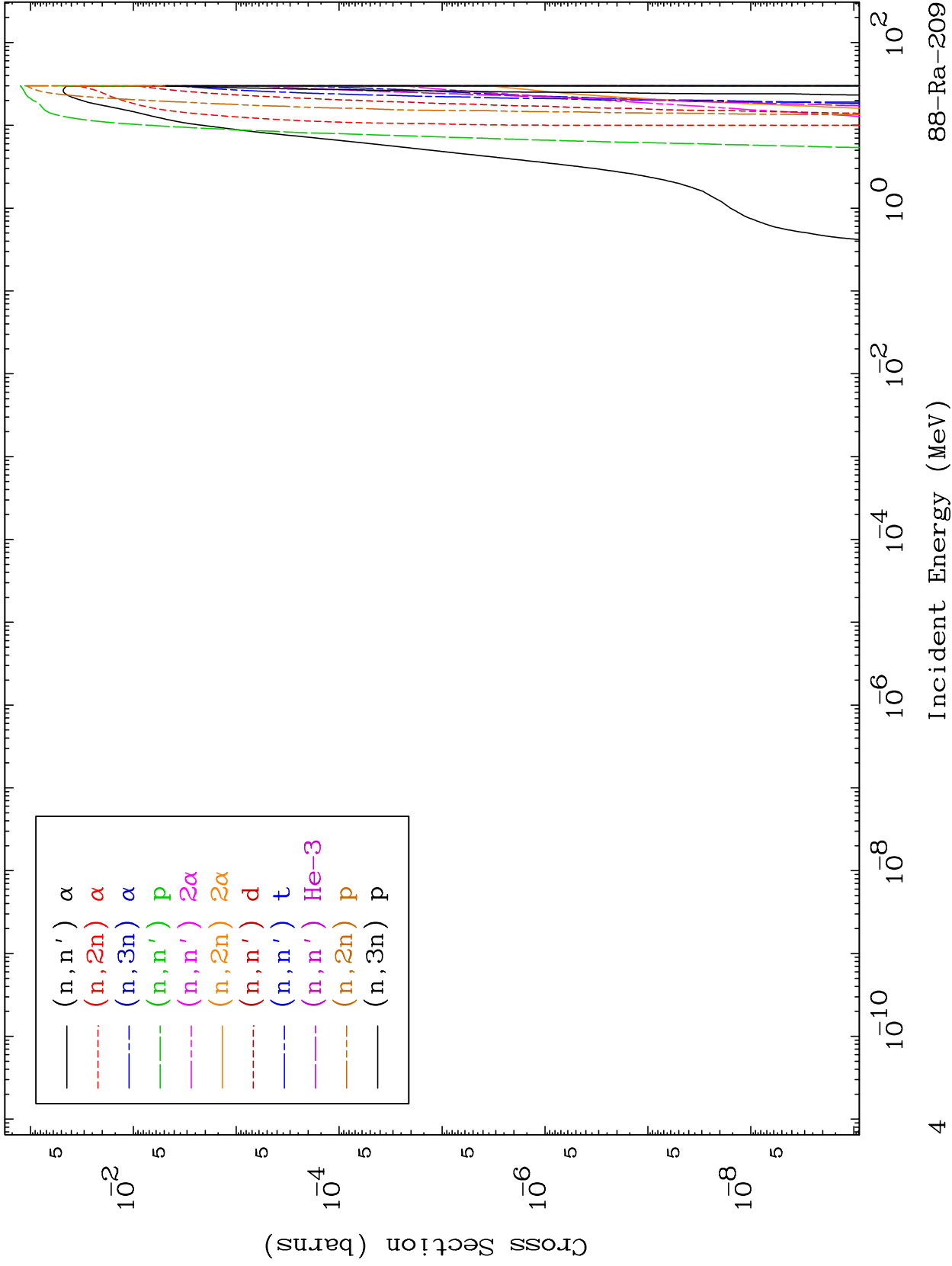
88-Ra-209



MAT 8783

Charged Particle  
293 Kelvin Cross Sections

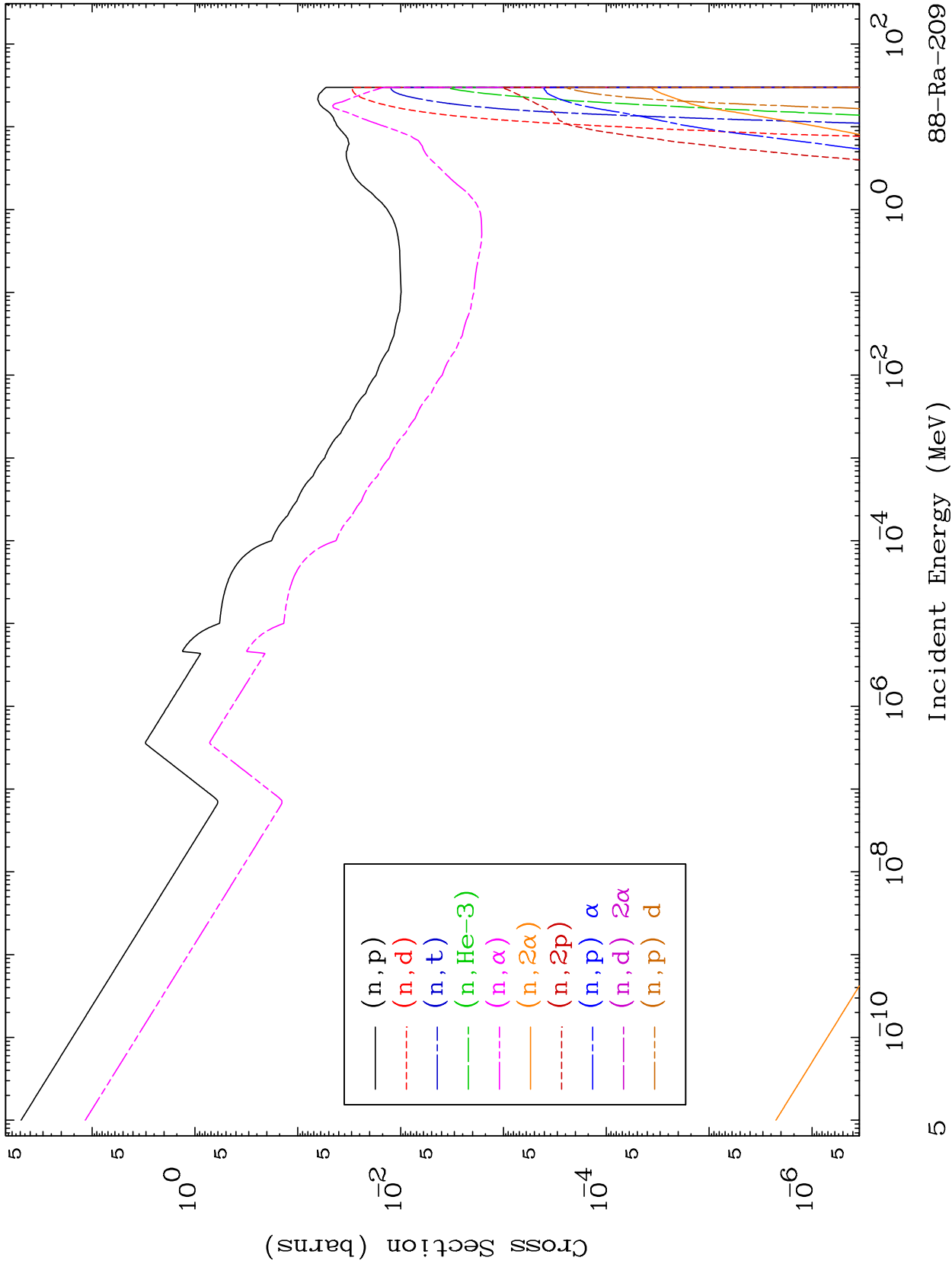
88-Ra-209



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Charged Particle  
293 Kelvin Cross Sections

88-Ra-209

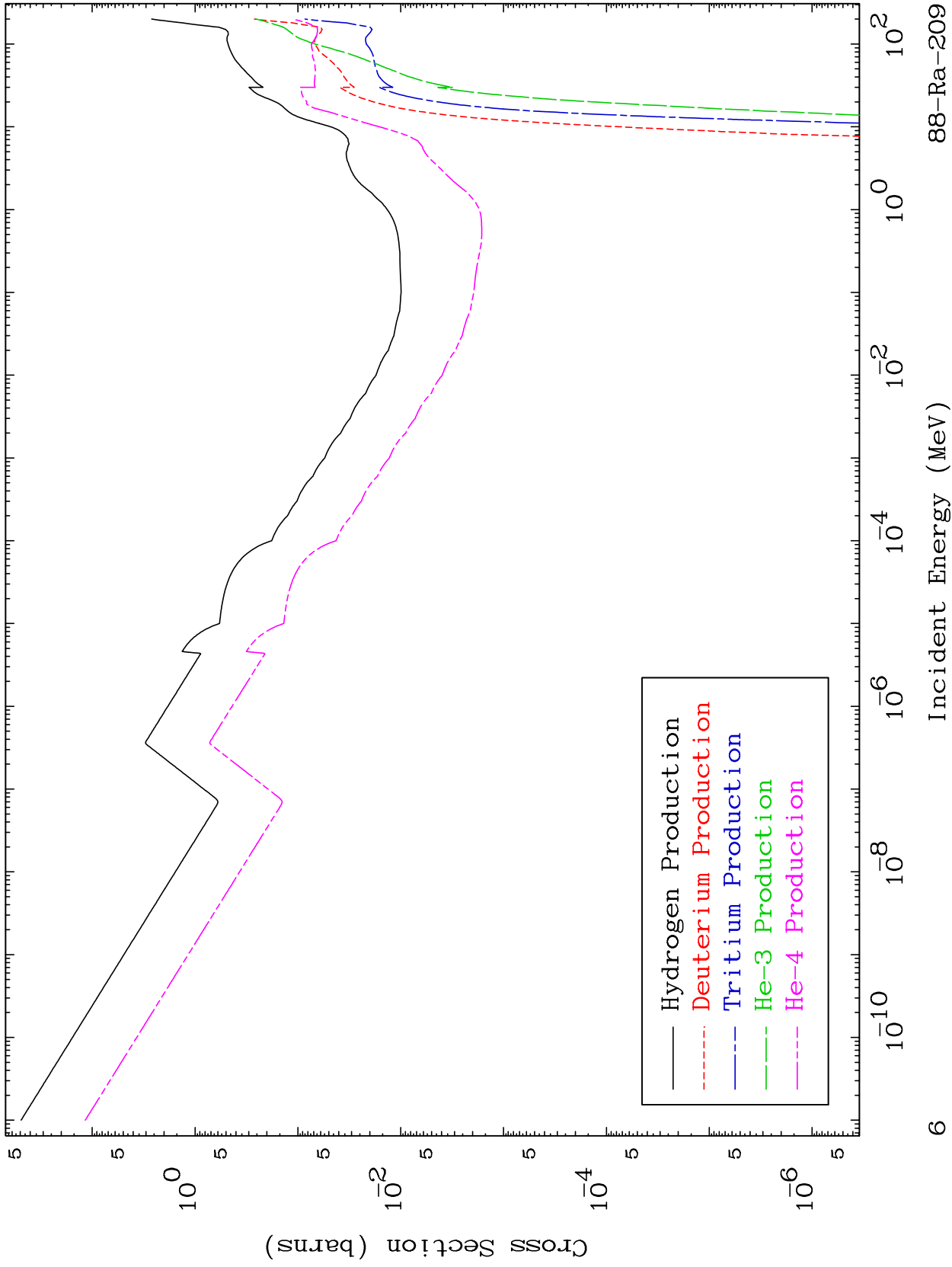


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Particle Production  
293 Kelvin Cross Sections

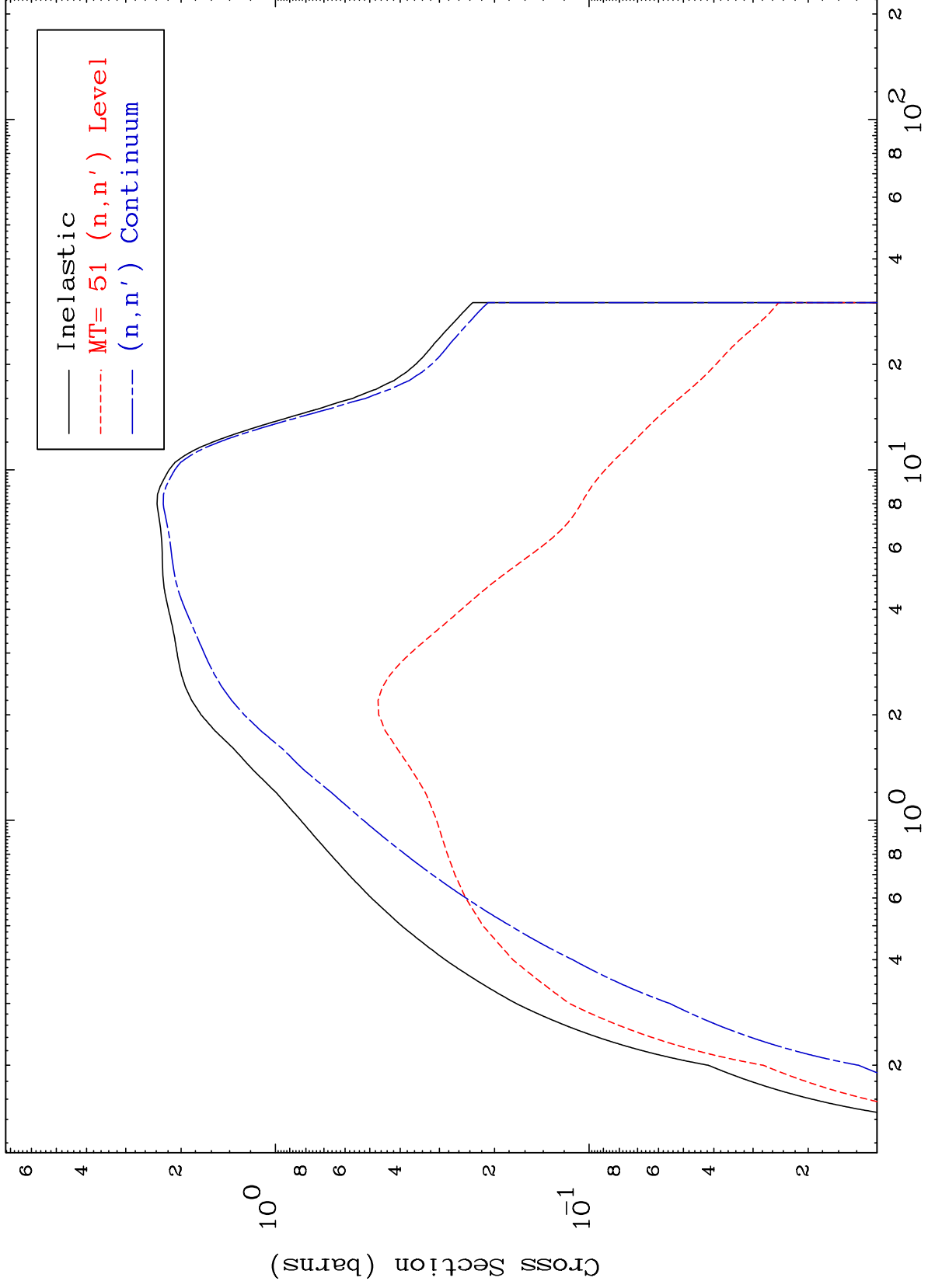
88-Ra-209



MAT 8783

(n,n') Level  
293 Kelvin Cross Sections

88-Ra-209



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Incident Energy (MeV)

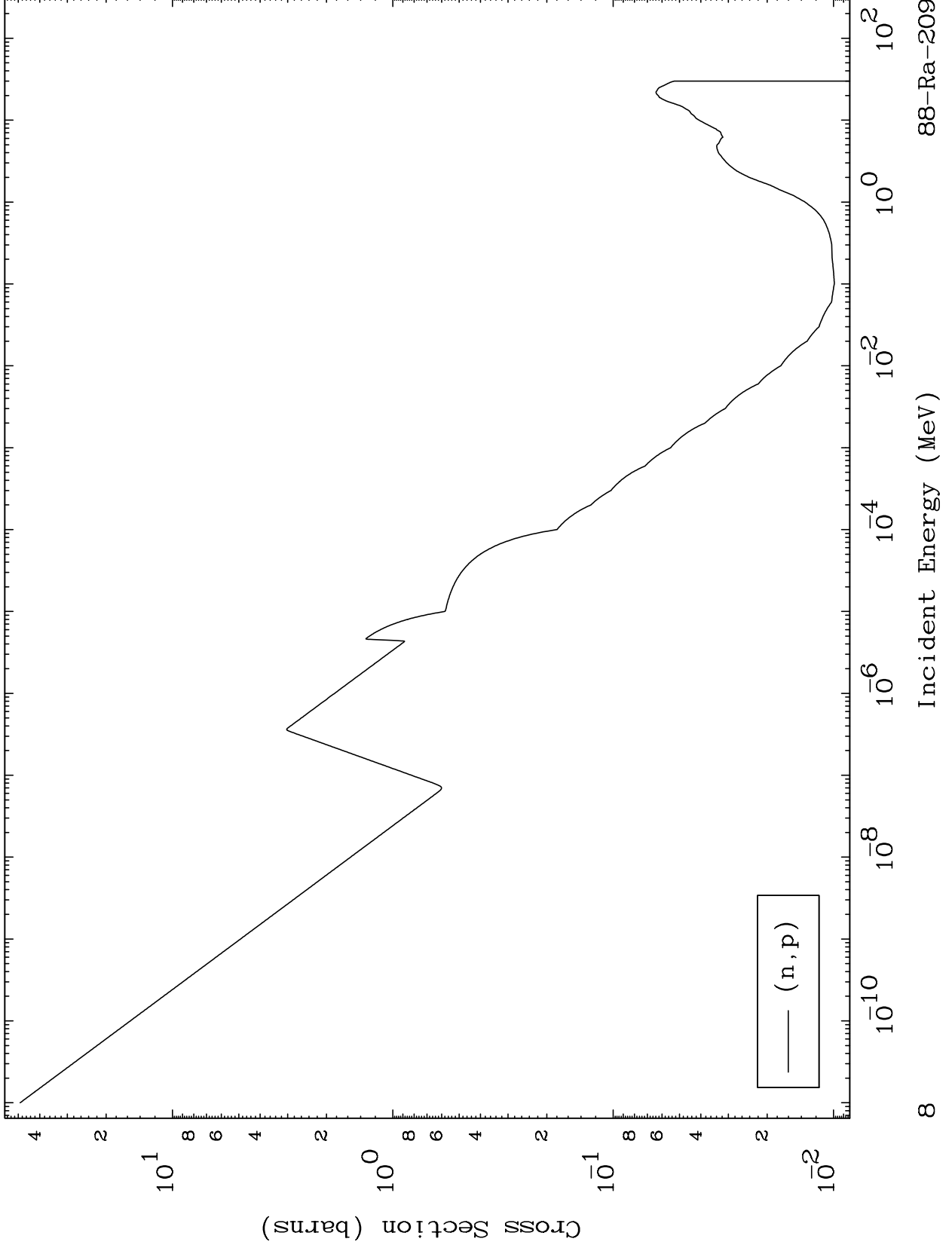
88-Ra-209



MAT 8783

(n,p) Levels  
293 Kelvin Cross Sections

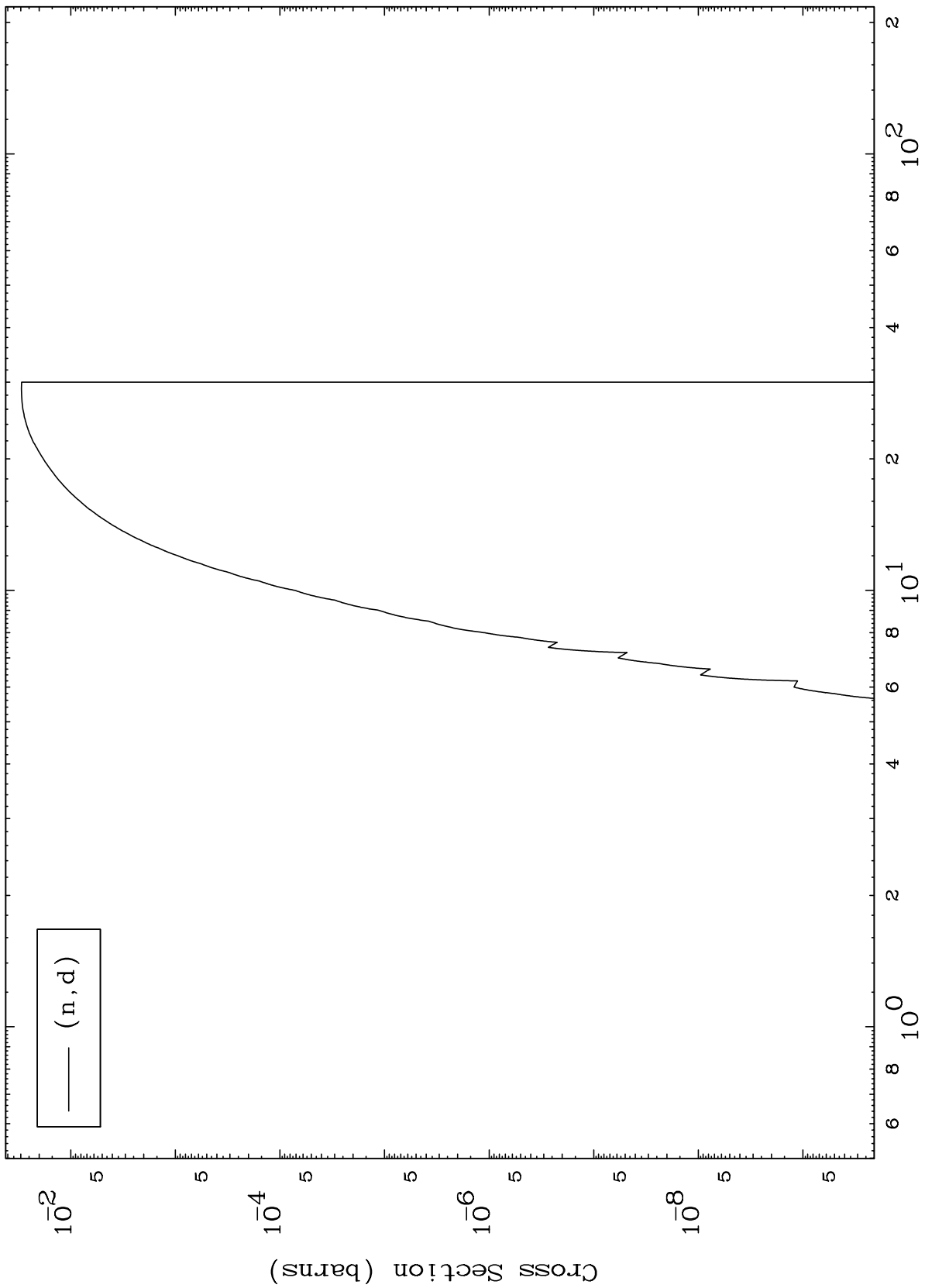
88-Ra-209



MAT 8783

(n,d) Levels  
293 Kelvin Cross Sections

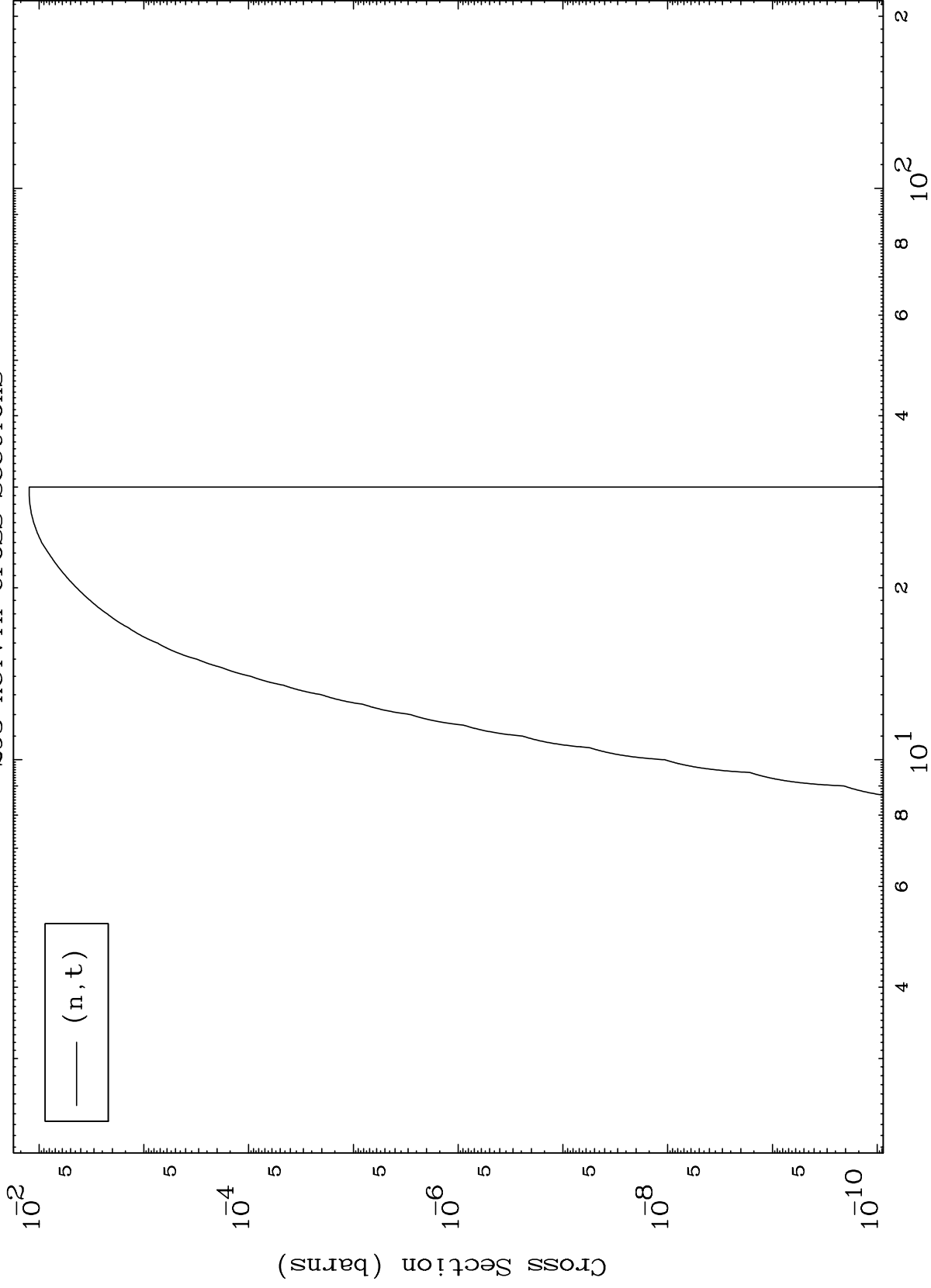
88-Ra-209



MAT 8783

(n,t) Levels  
293 Kelvin Cross Sections

88-Ra-209



10

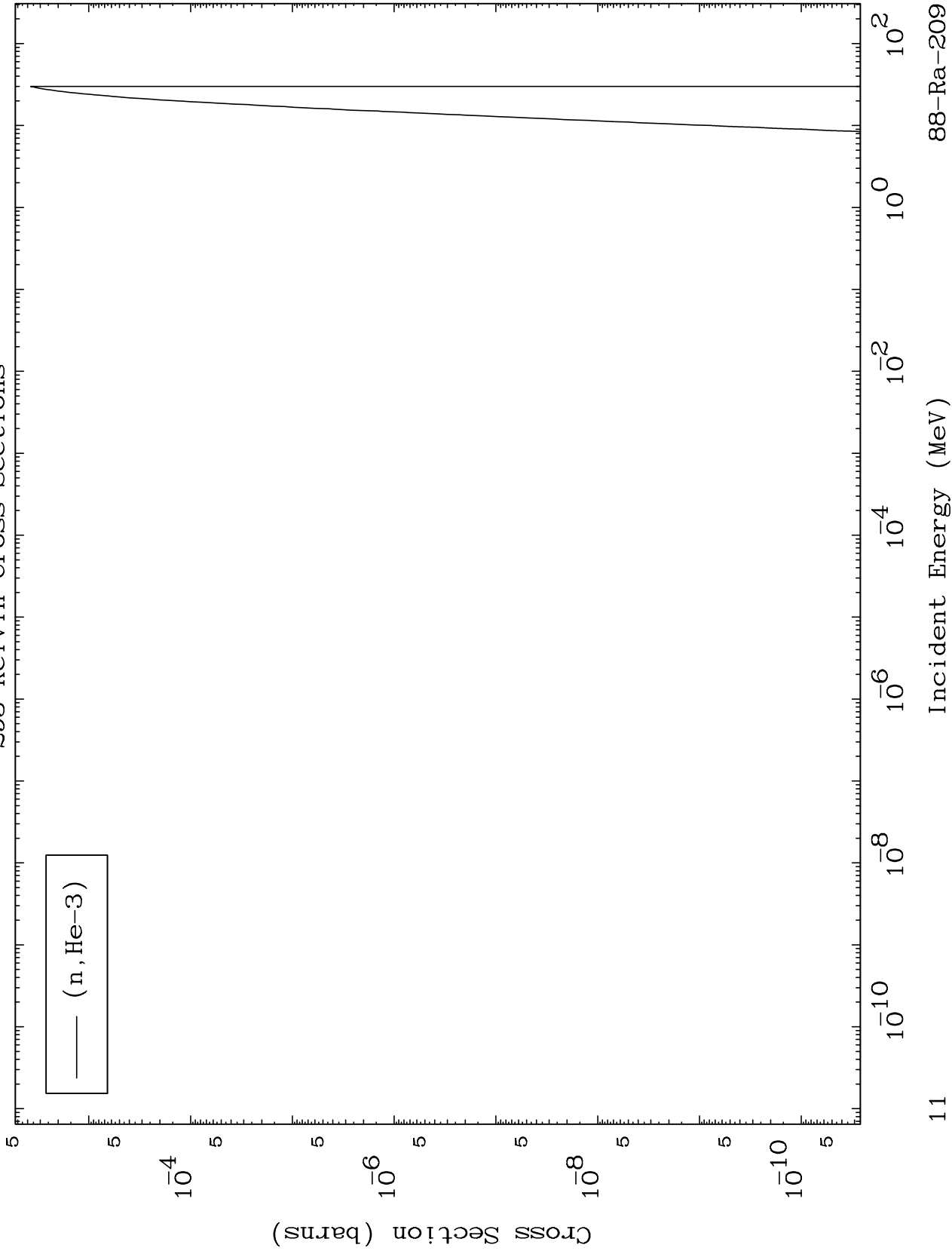
Incident Energy (MeV)

88-Ra-209

MAT 8783

(n,He3) Levels  
293 Kelvin Cross Sections

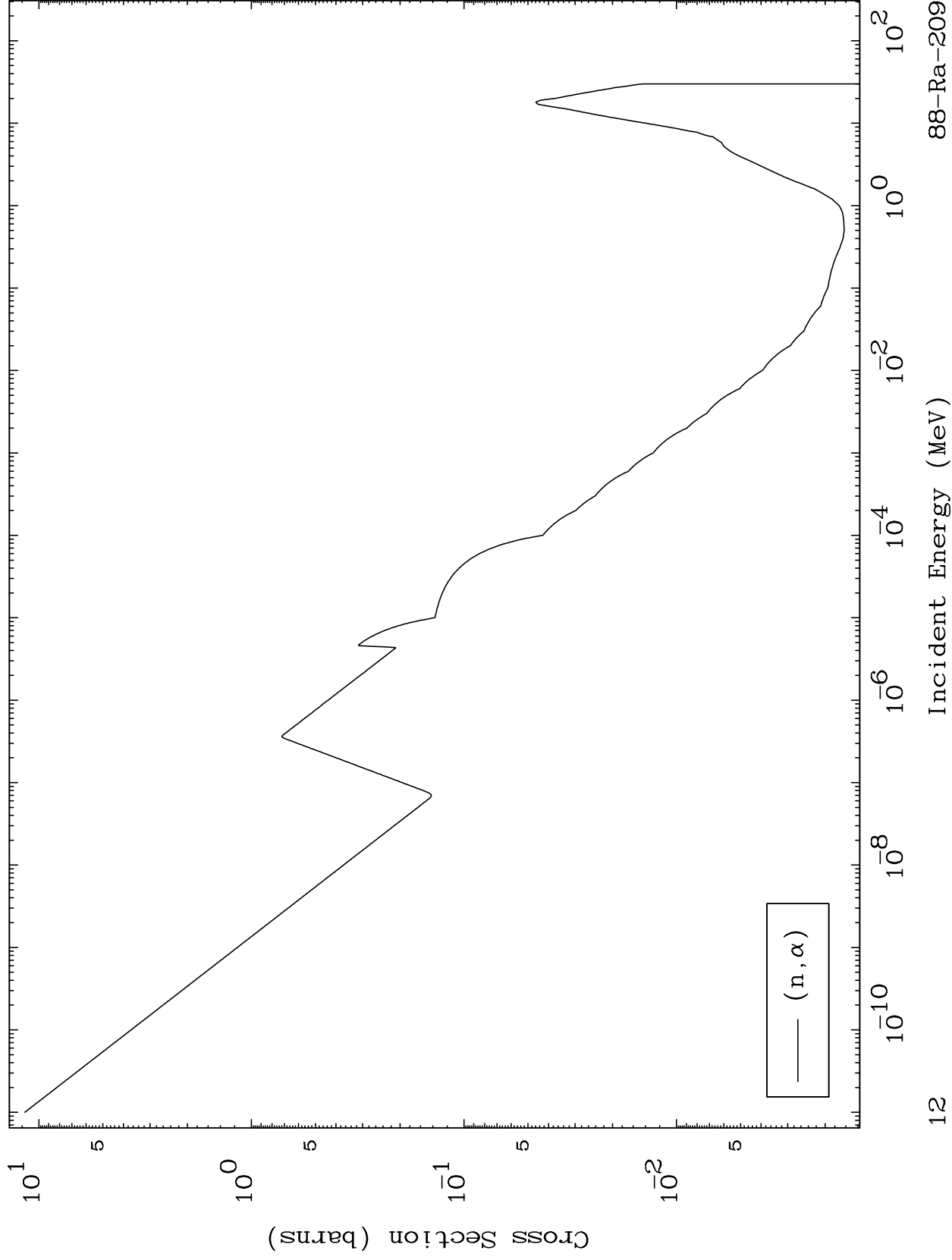
88-Ra-209



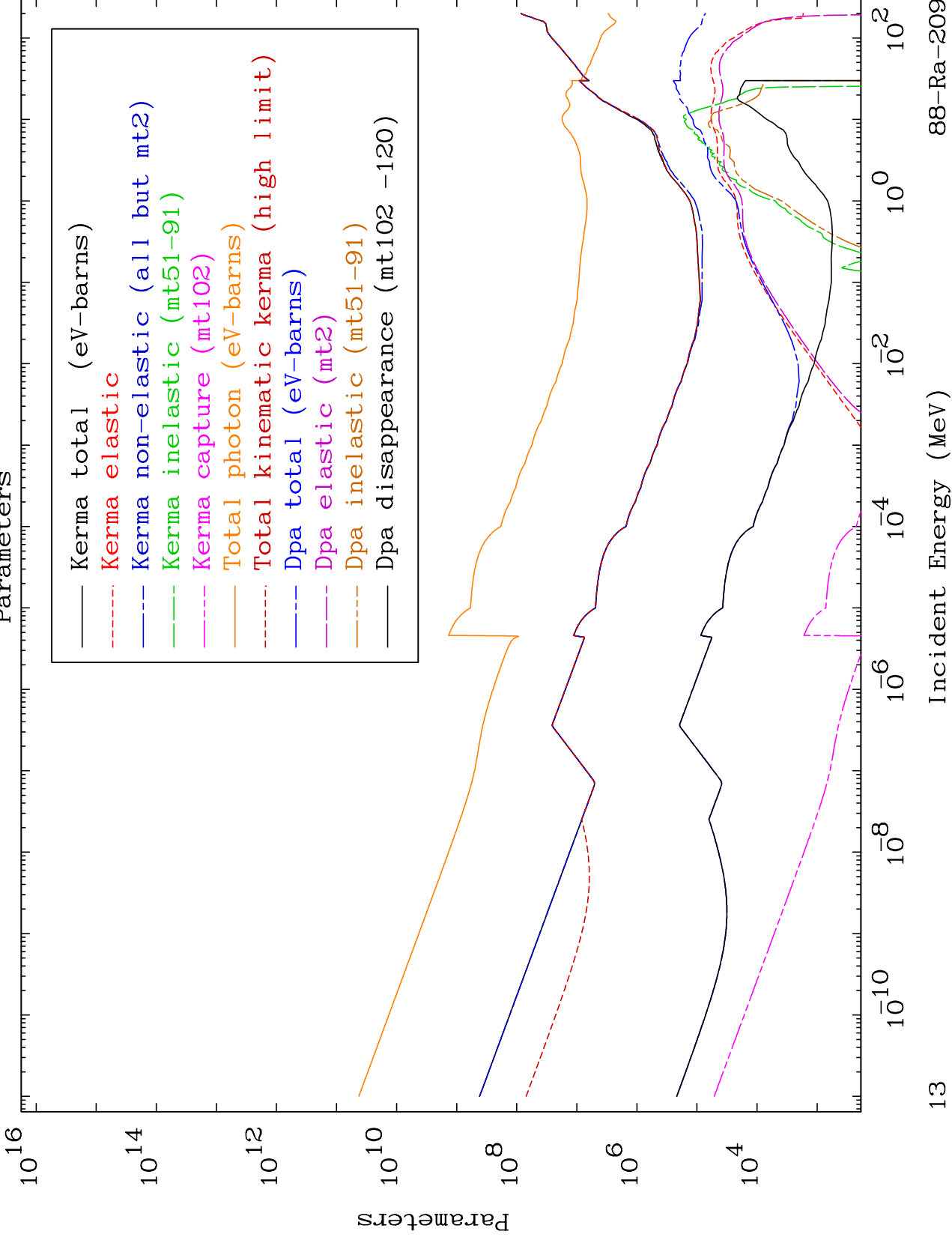
MAT 8783

(n,α) Levels  
293 Kelvin Cross Sections

88-Ra-209



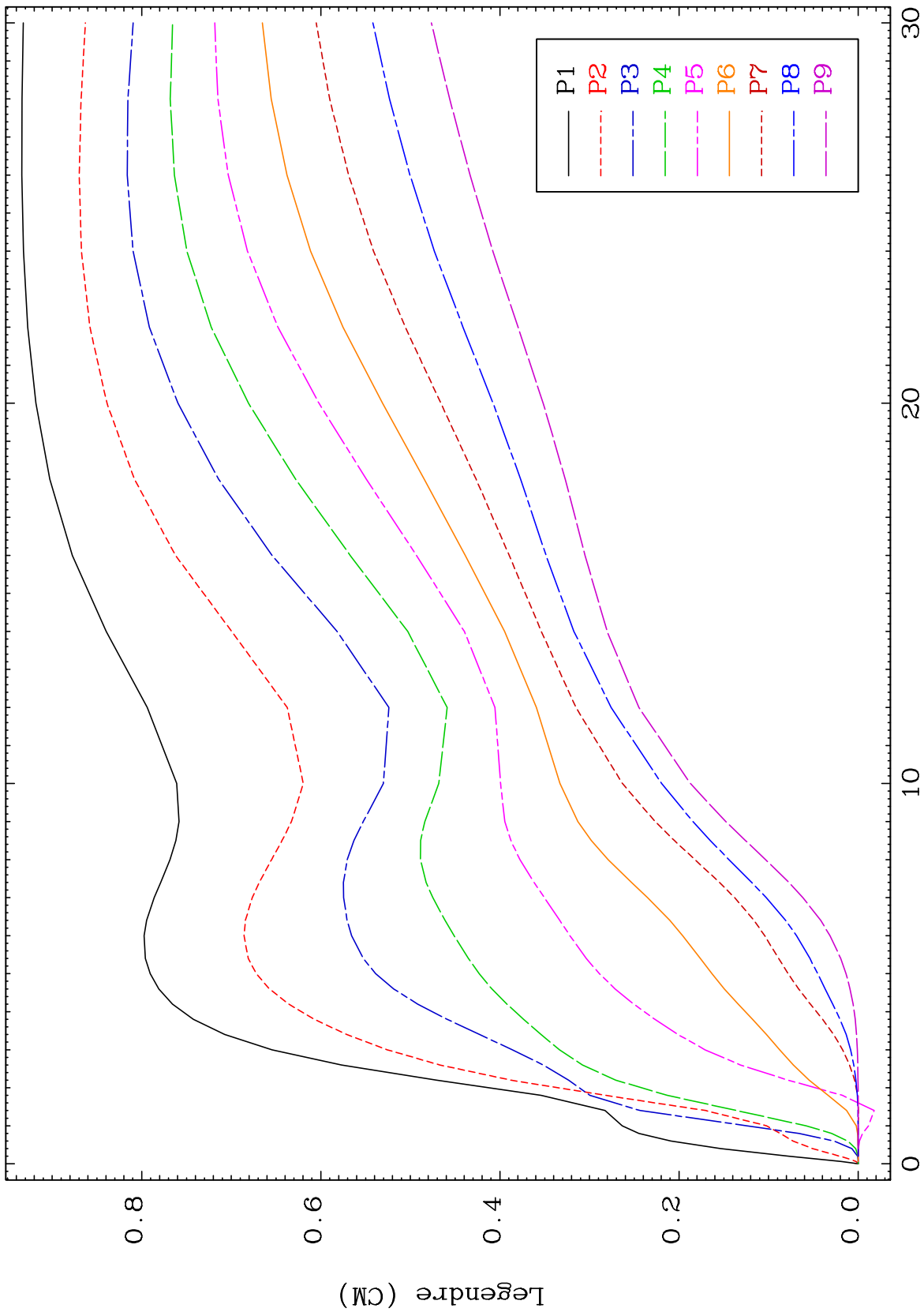
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88-Ra-209

Elastic Legendre Coefficients



88-Ra-209

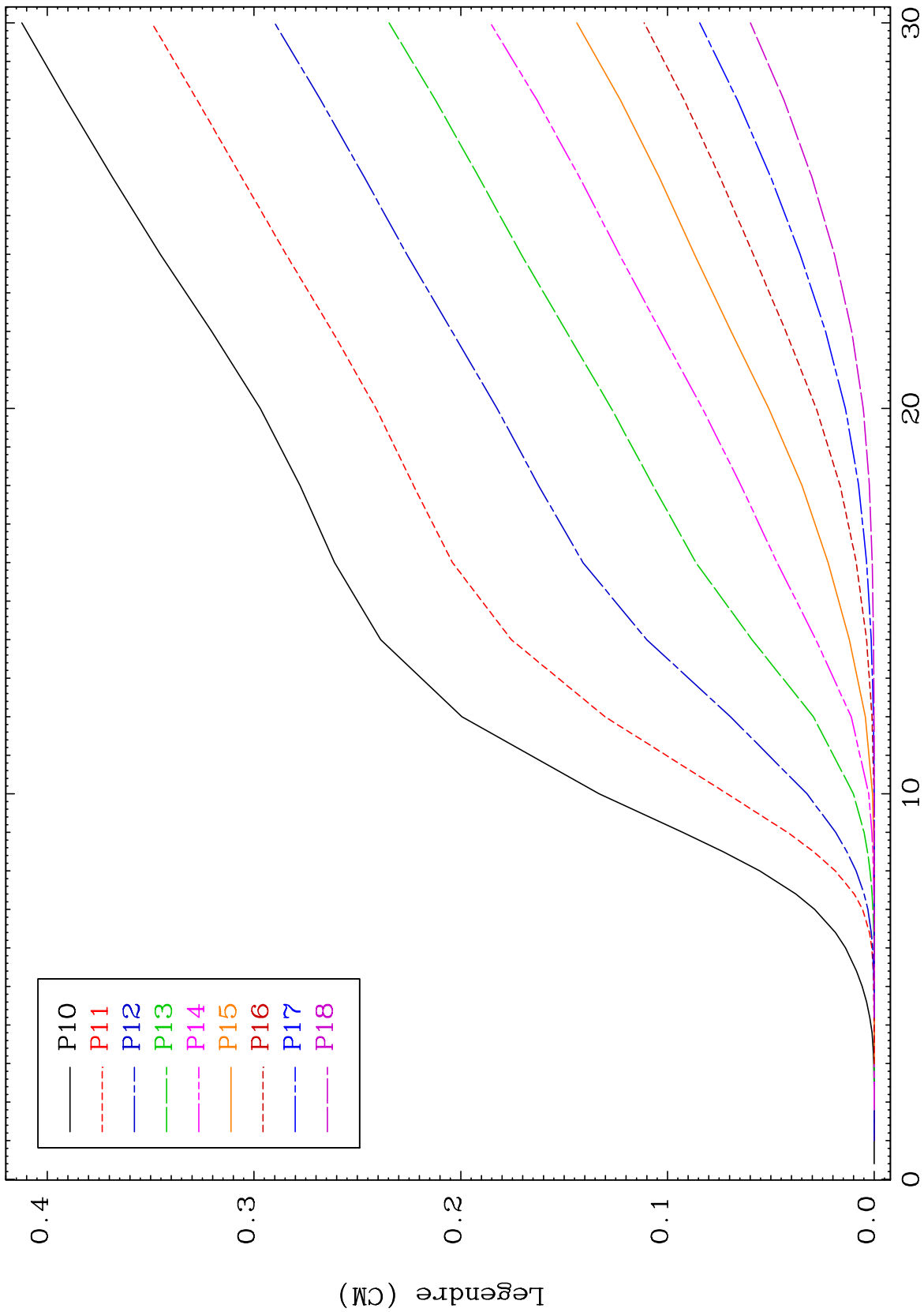
Incident Energy (MeV)

14

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Elastic Legendre Coefficients

88-Ra-209



15

Incident Energy (MeV)

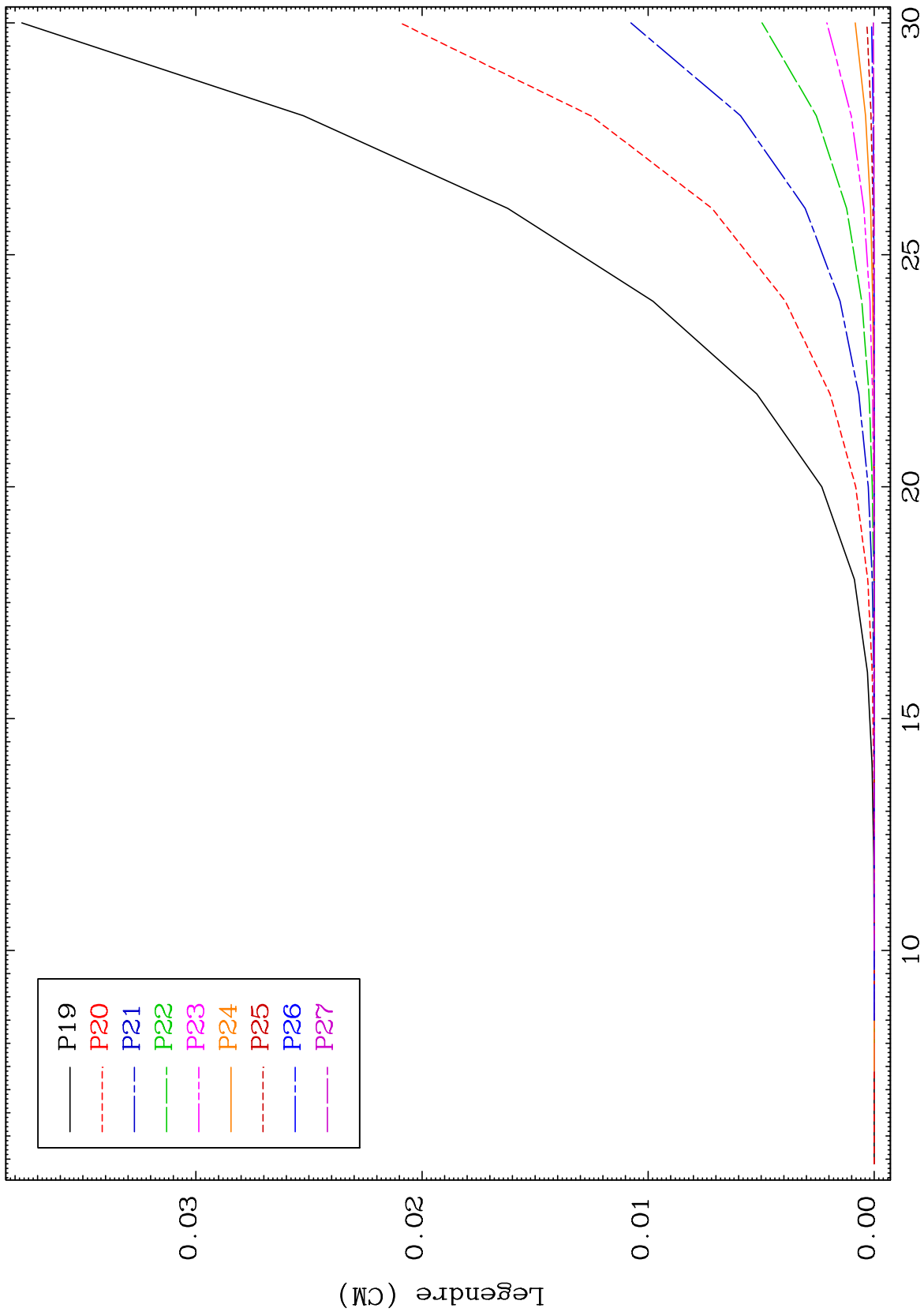
88-Ra-209



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Elastic Legendre Coefficients

88-Ra-209



16

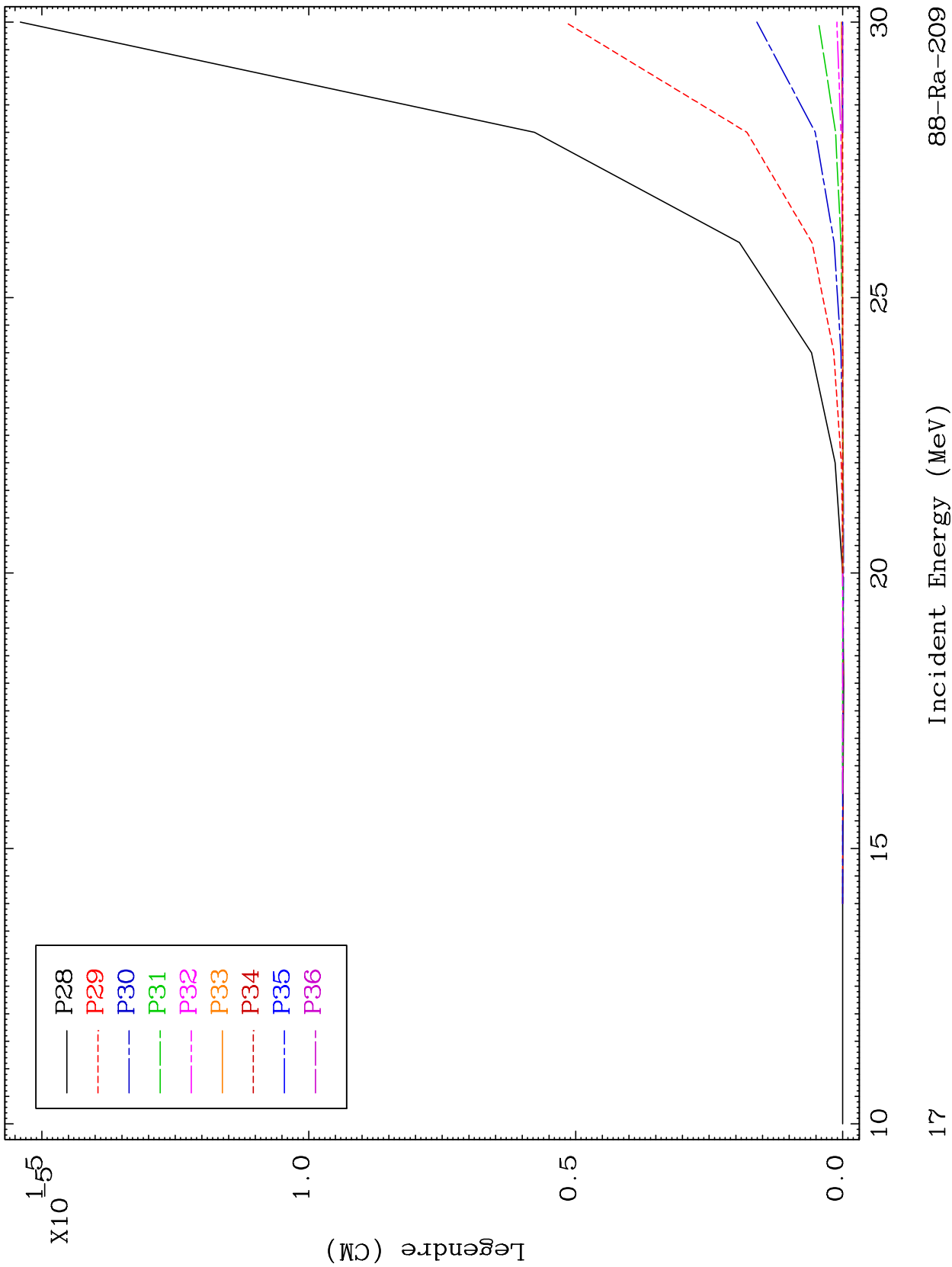
Incident Energy (MeV)

88-Ra-209

MAT 8783

Elastic Legendre Coefficients

88-Ra-209



17

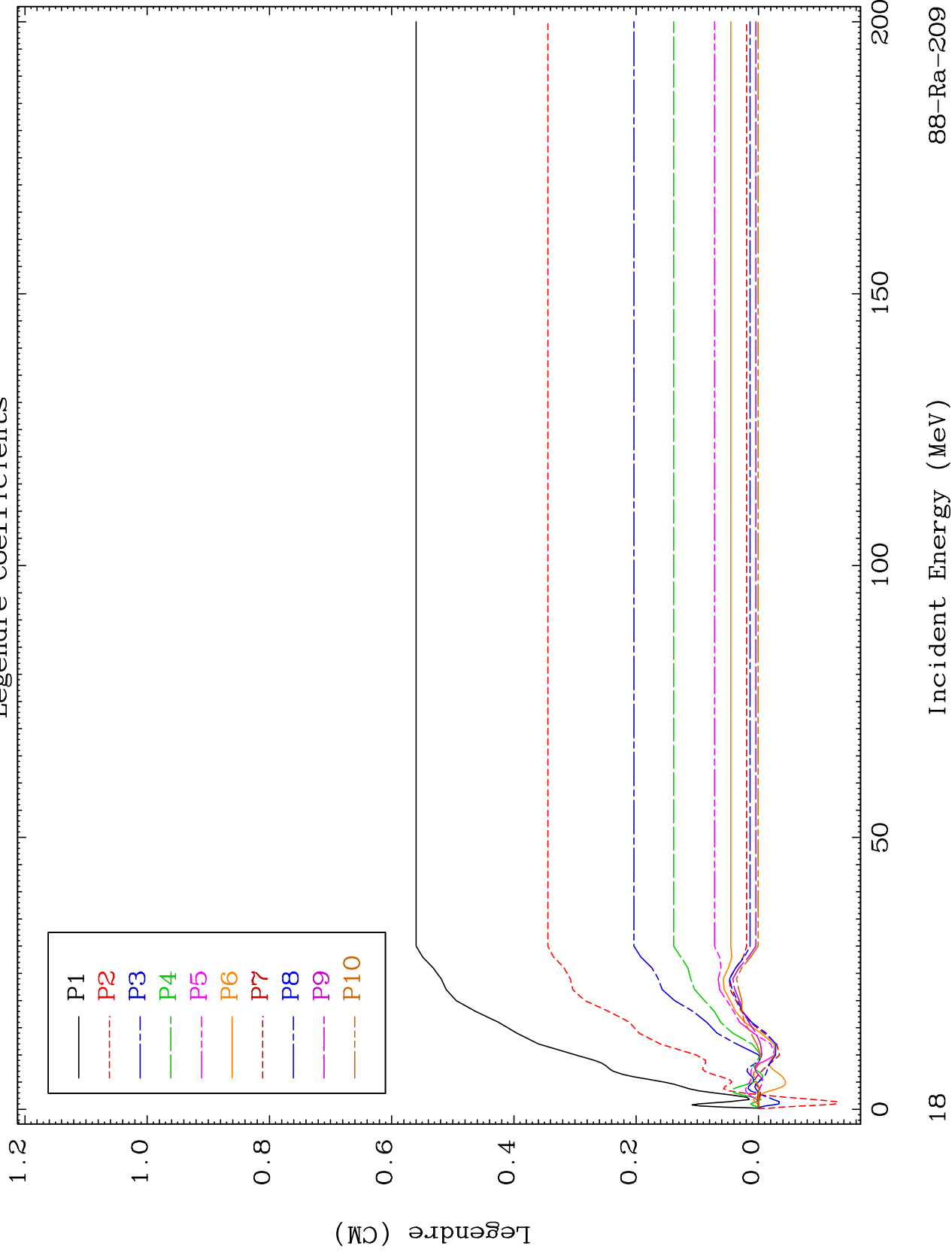
Incident Energy (MeV)

88-Ra-209

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

88-Ra-209



88-Ra-209

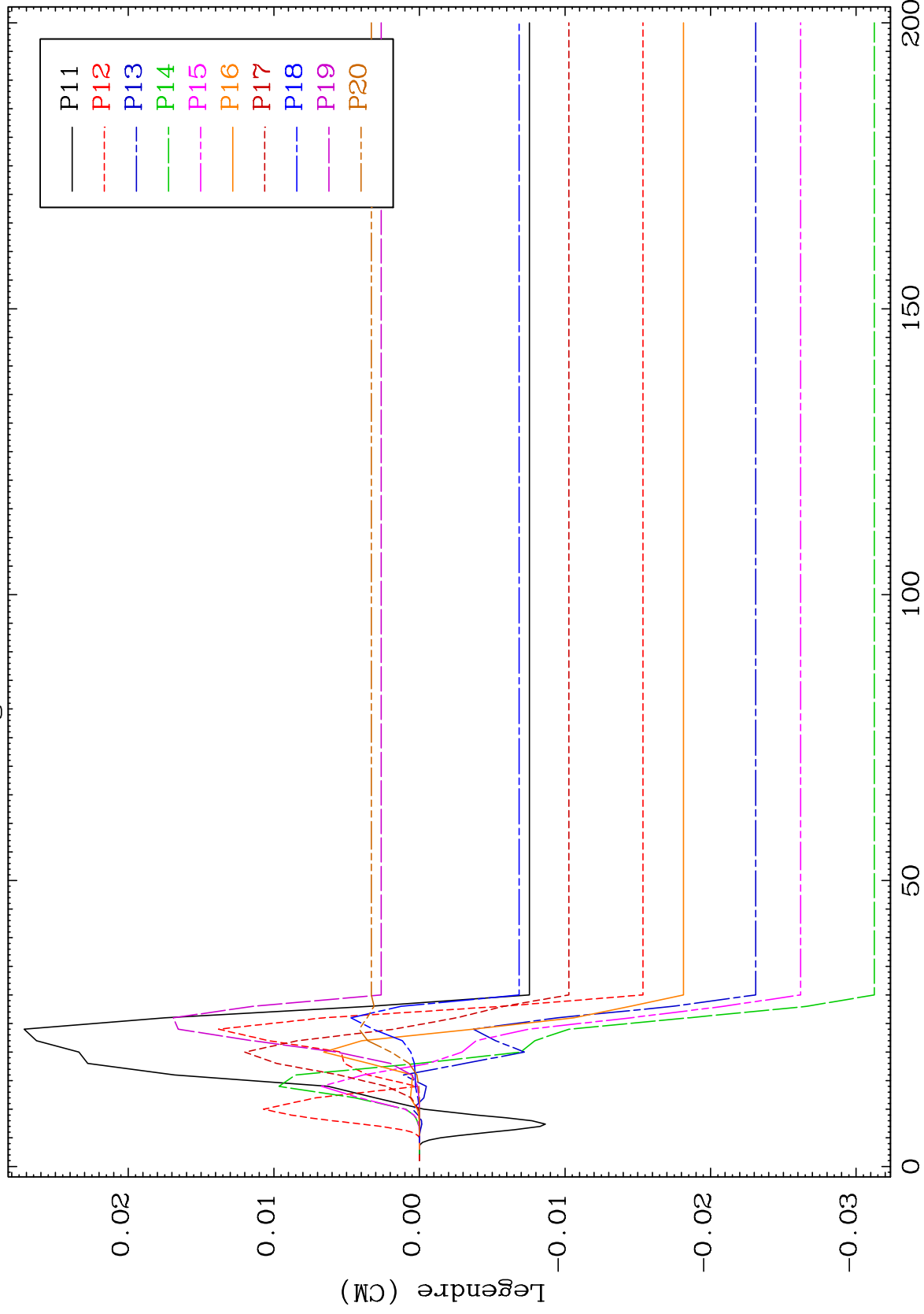
Incident Energy (MeV)

18

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

88-Ra-209



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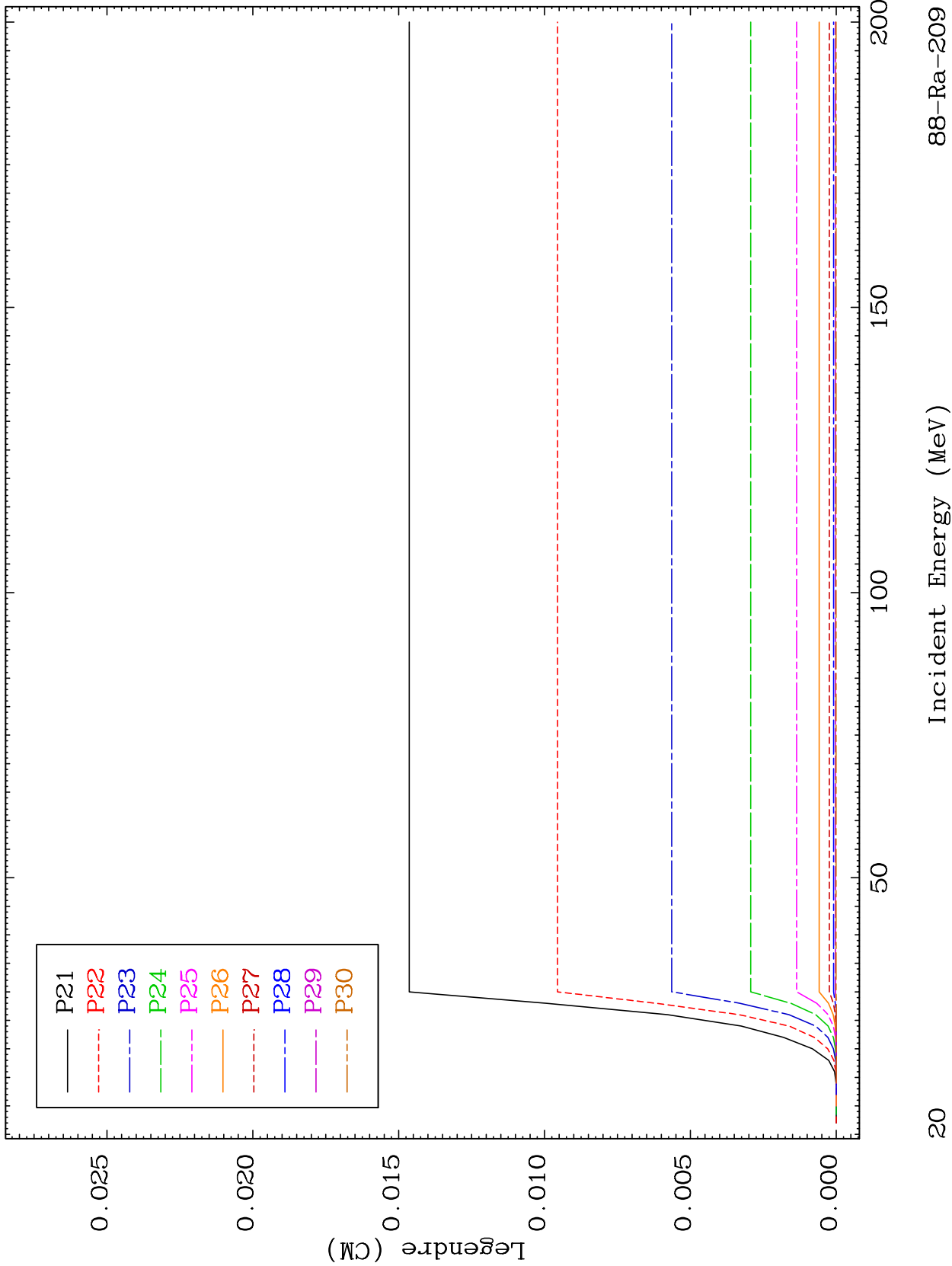
Incident Energy (MeV)

88-Ra-209

MAT 8783

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

88-Ra-209



20

Incident Energy (MeV)

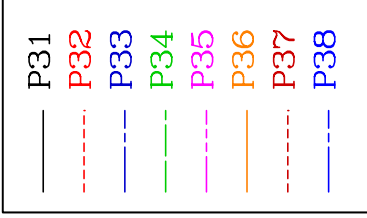
88-Ra-209

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

88-Ra-209

$\times 10^{-6}$



Legendre (CM)

200

150

100

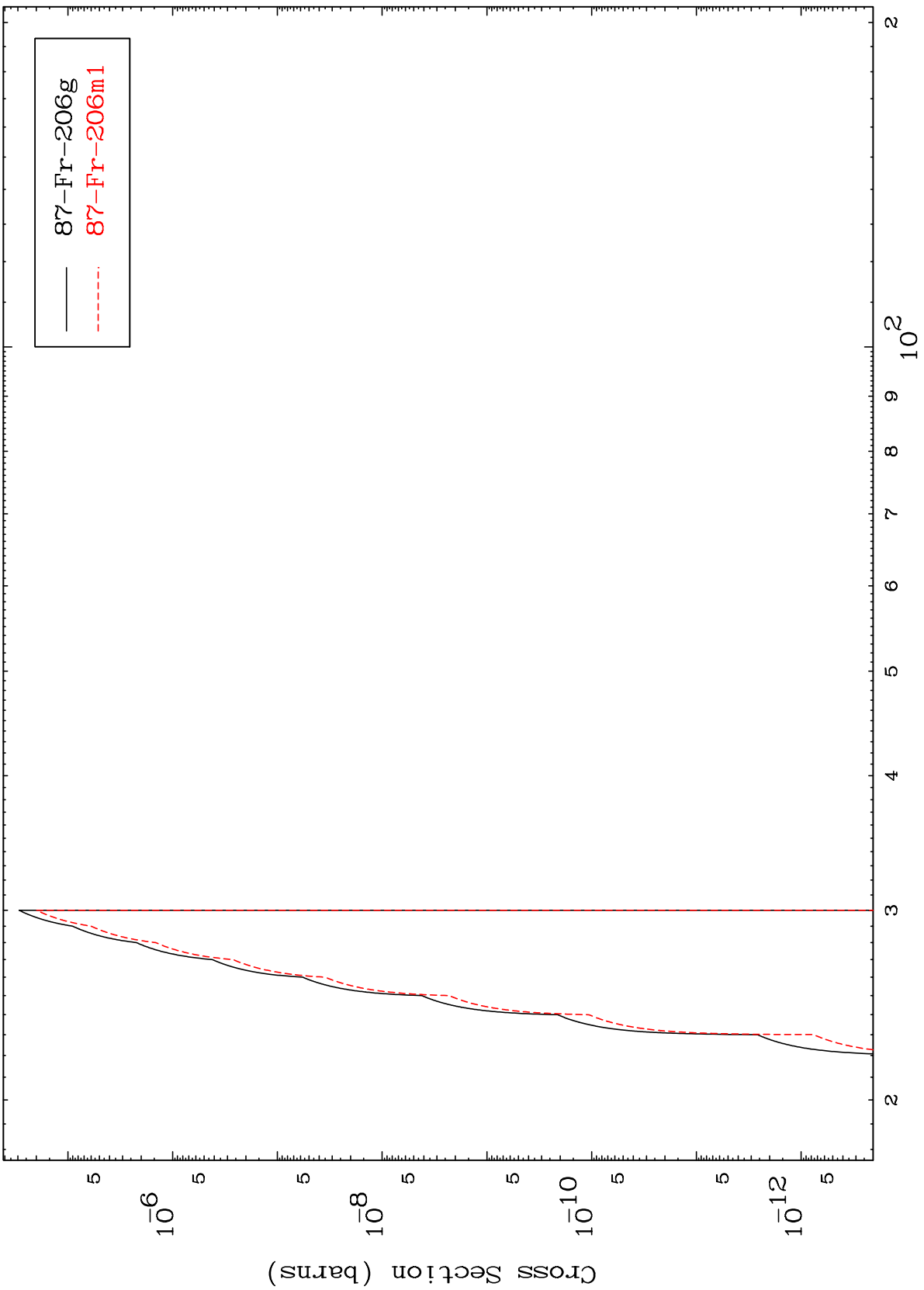
50

21

Incident Energy (MeV)

88-Ra-209

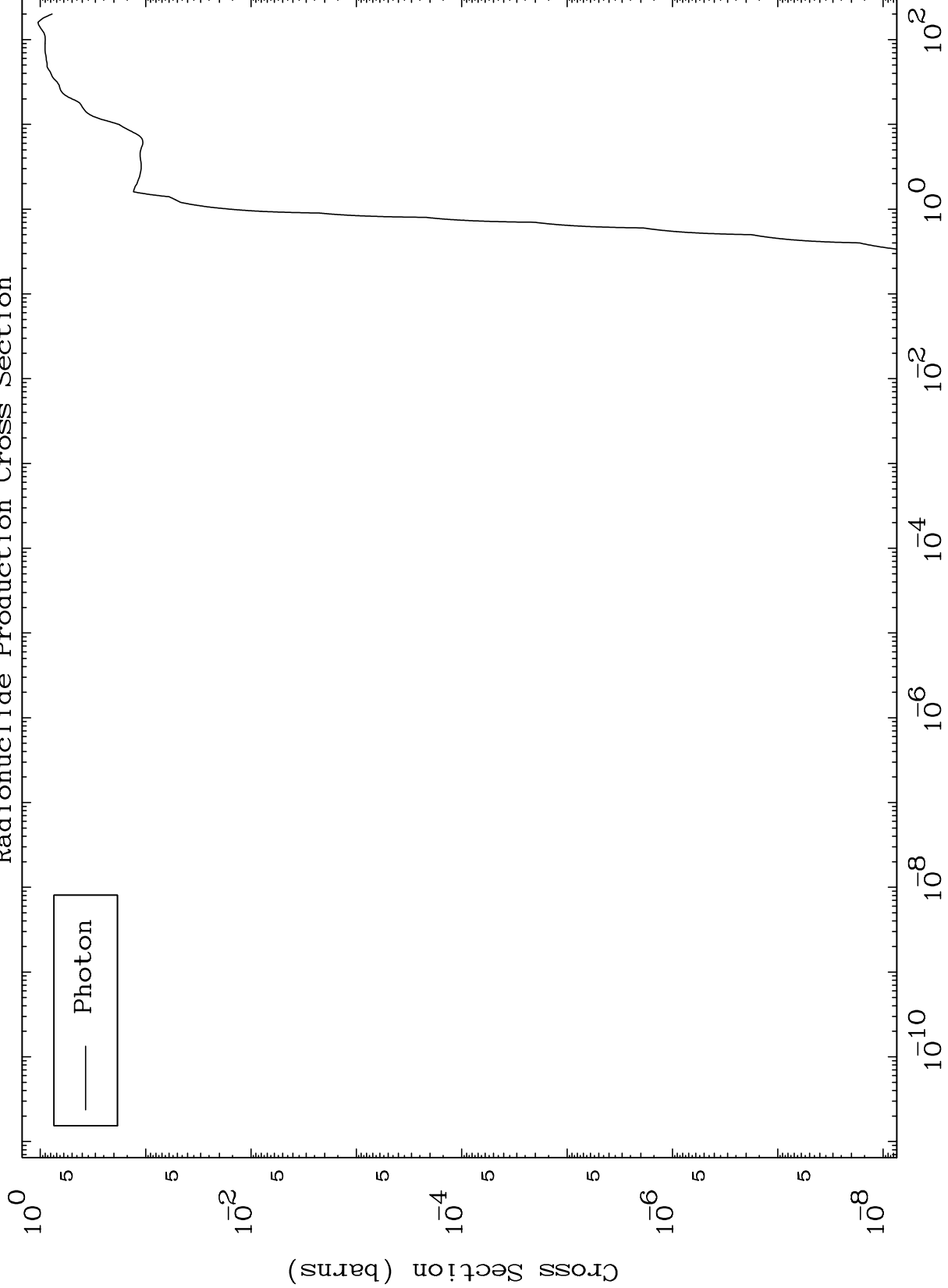
Radionuclide Production Cross Section



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Fission  
Radionuclide Production Cross Section

88-Ra-209



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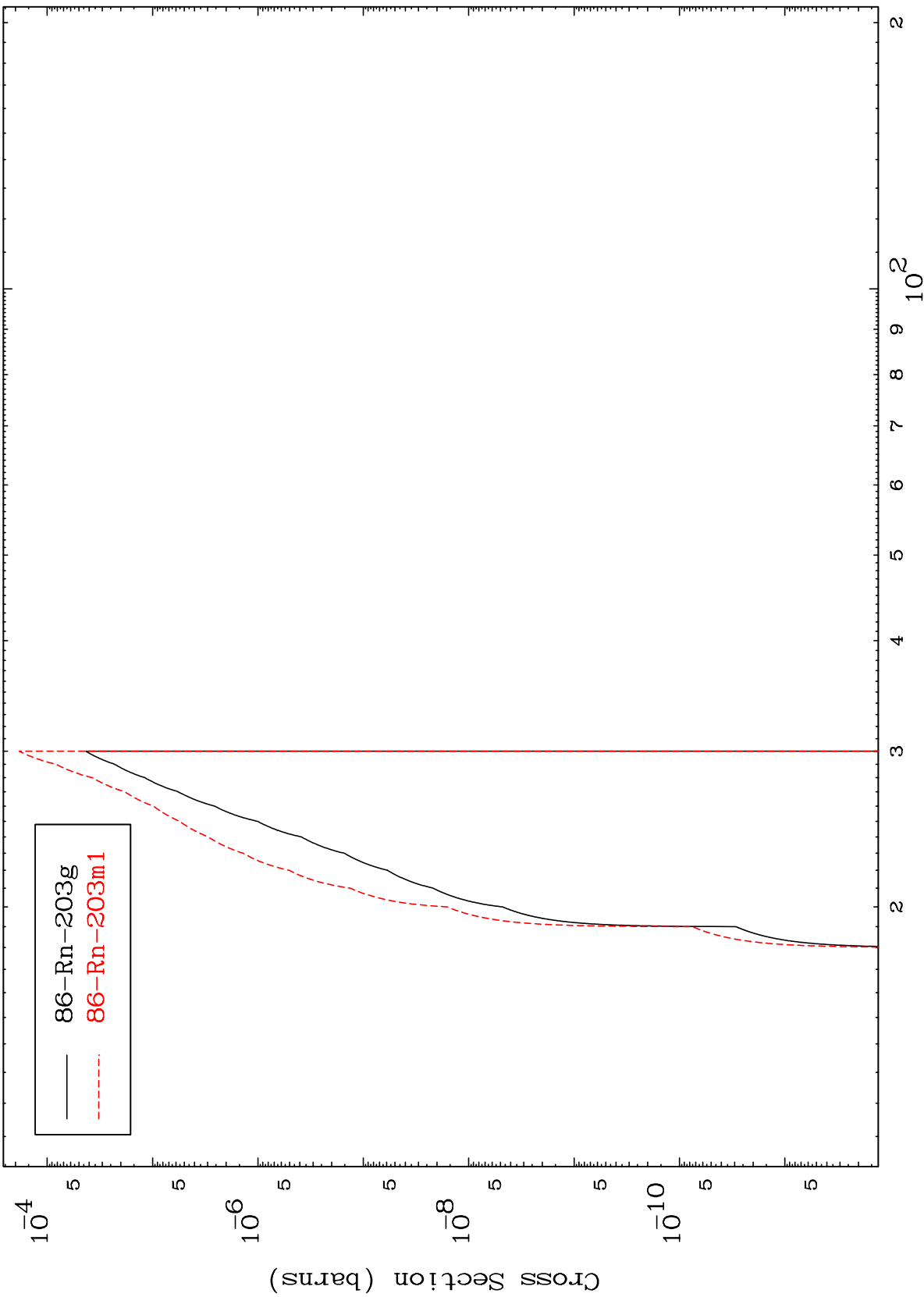


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(n,3n)  $\alpha$

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Radionuclide Production Cross Section



24

Incident Energy (MeV)

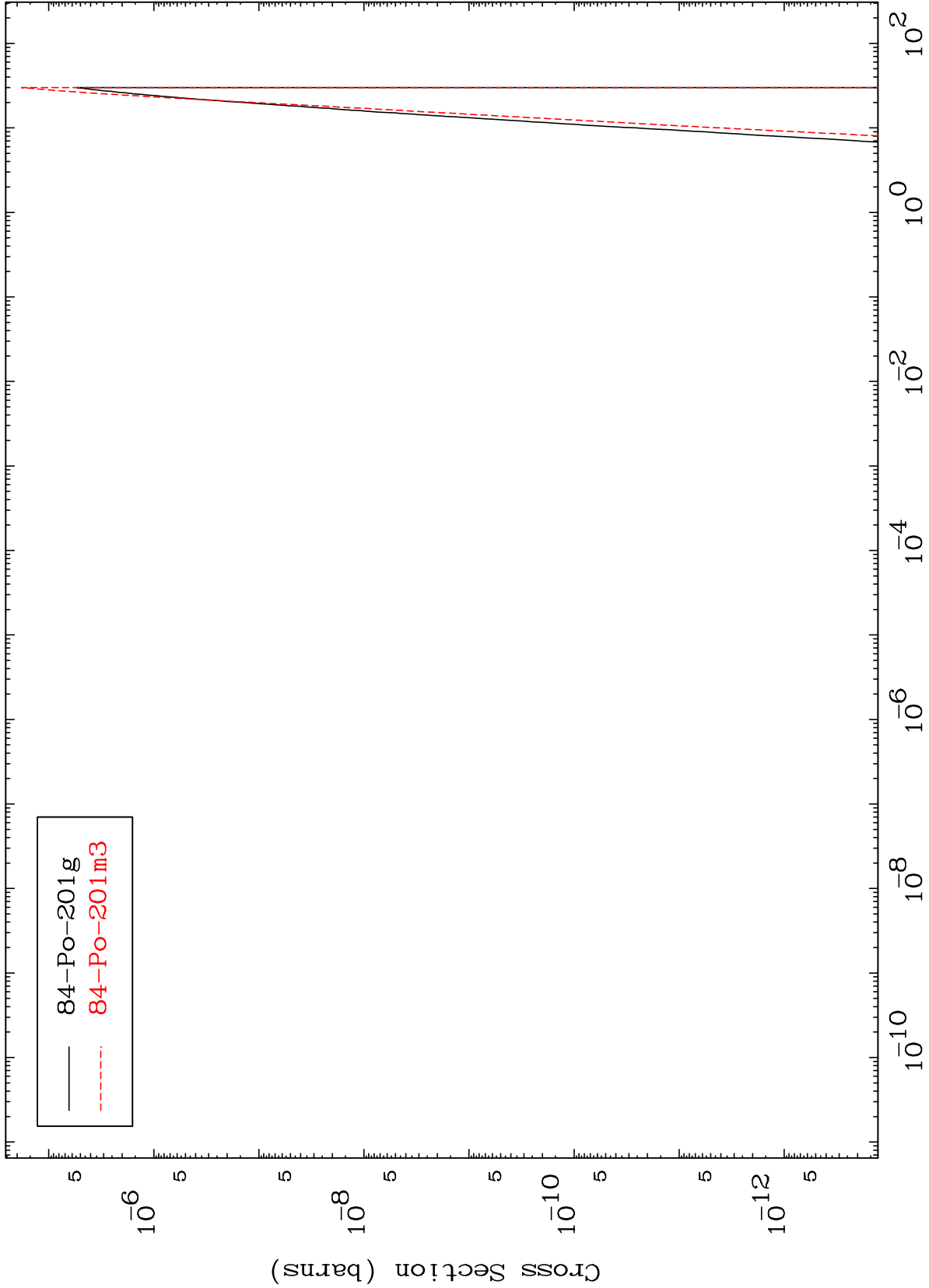
88-Ra-209

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(n,n') 2α

88-Ra-209

Radionuclide Production Cross Section

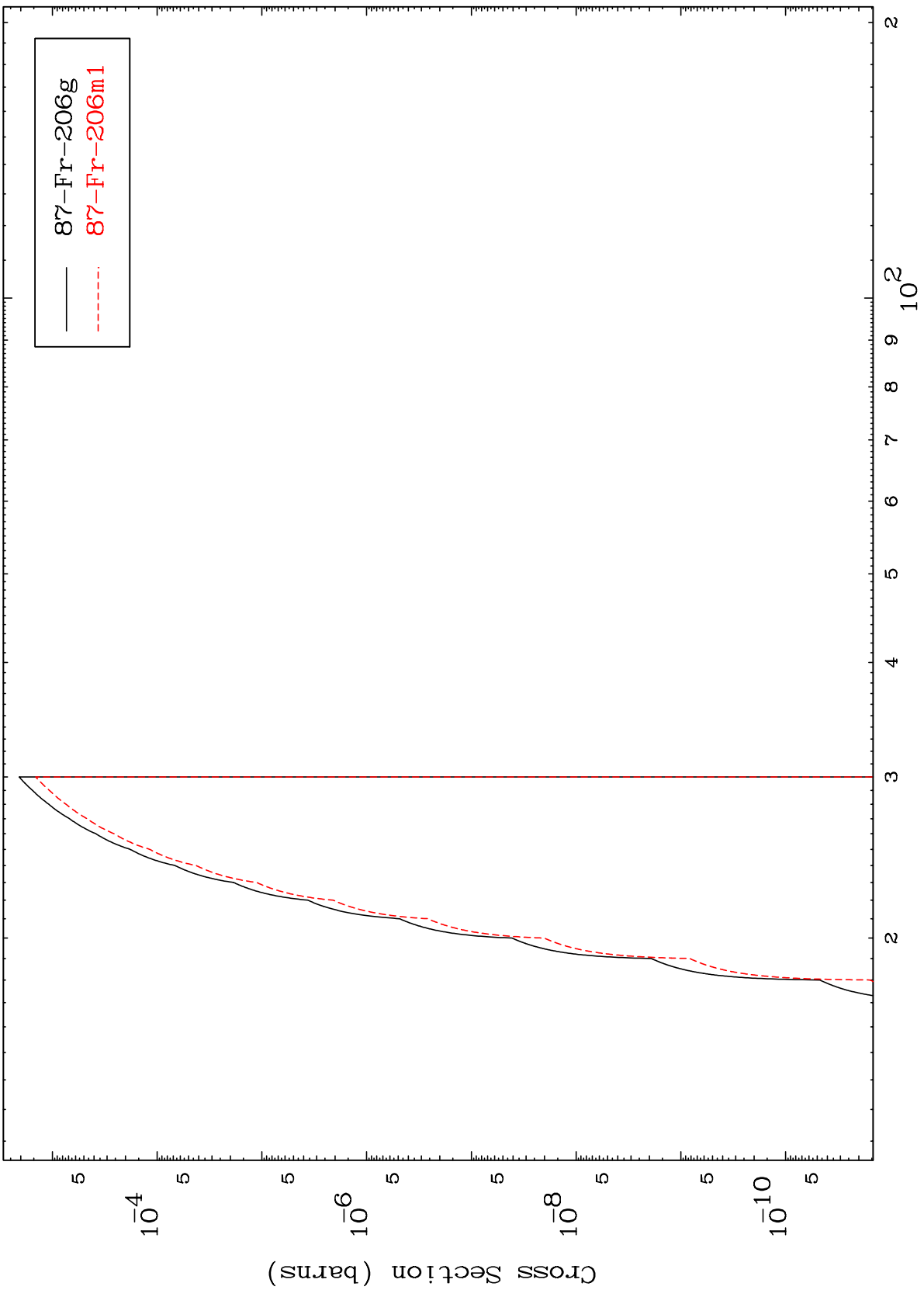


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Incident Energy (MeV)

88-Ra-209

Radionuclide Production Cross Section

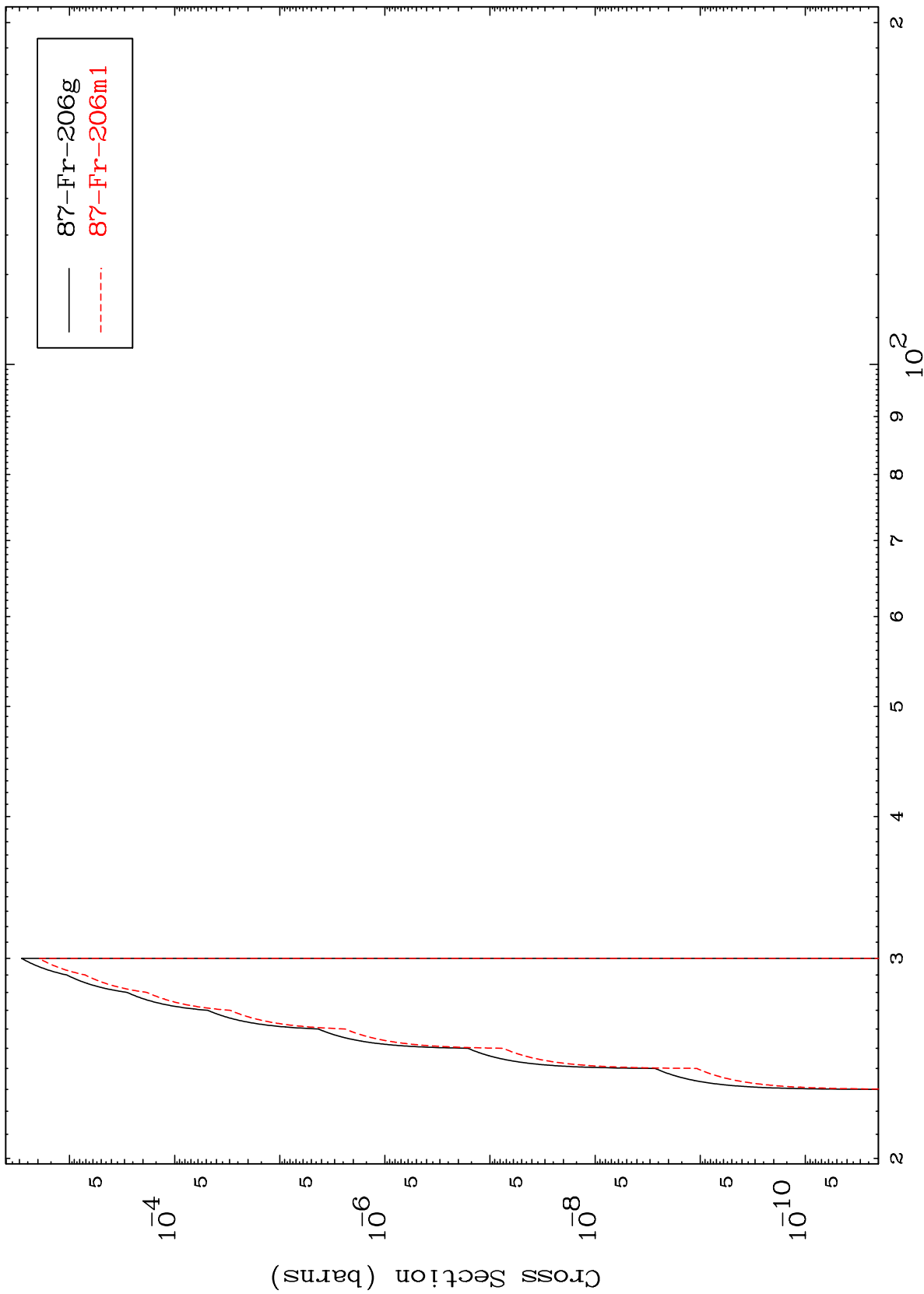


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(n,3n) p

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Radionuclide Production Cross Section



27

Incident Energy (MeV)

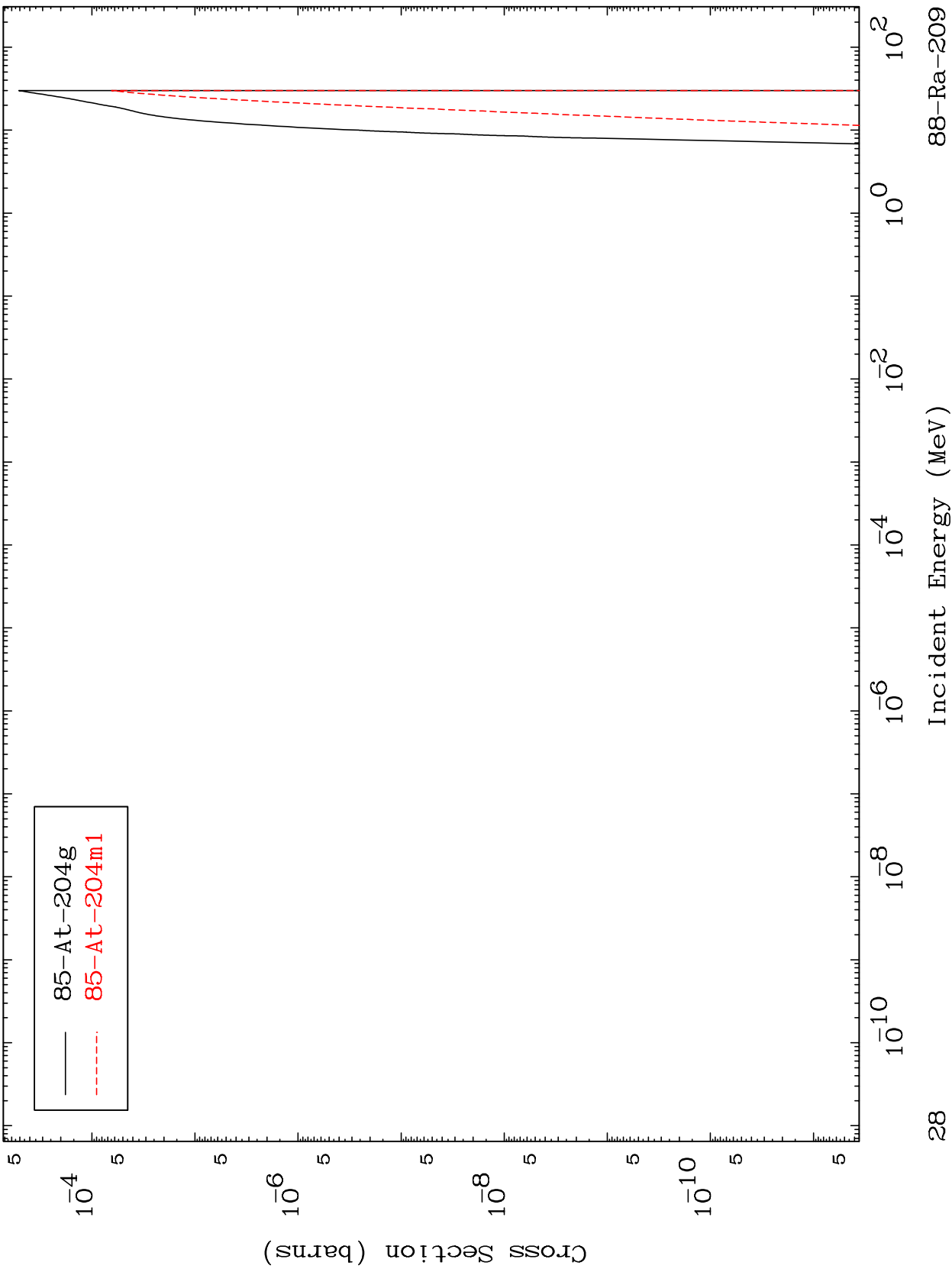
88-Ra-209

MAT 8783

(n,n') p  $\alpha$

88-Ra-209

Radionuclide Production Cross Section

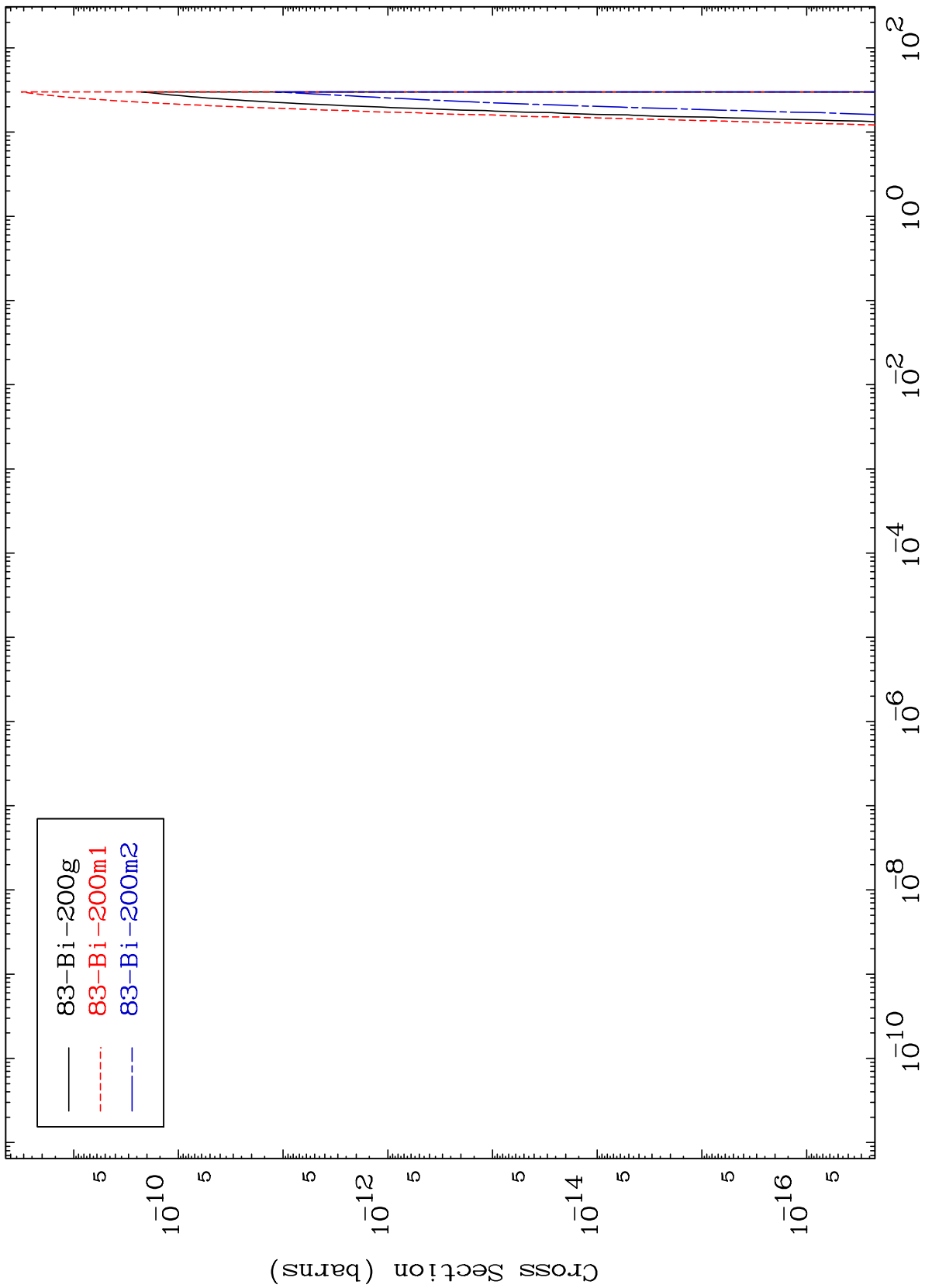


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(n,d) 2 $\alpha$

88-Ra-209

Radionuclide Production Cross Section

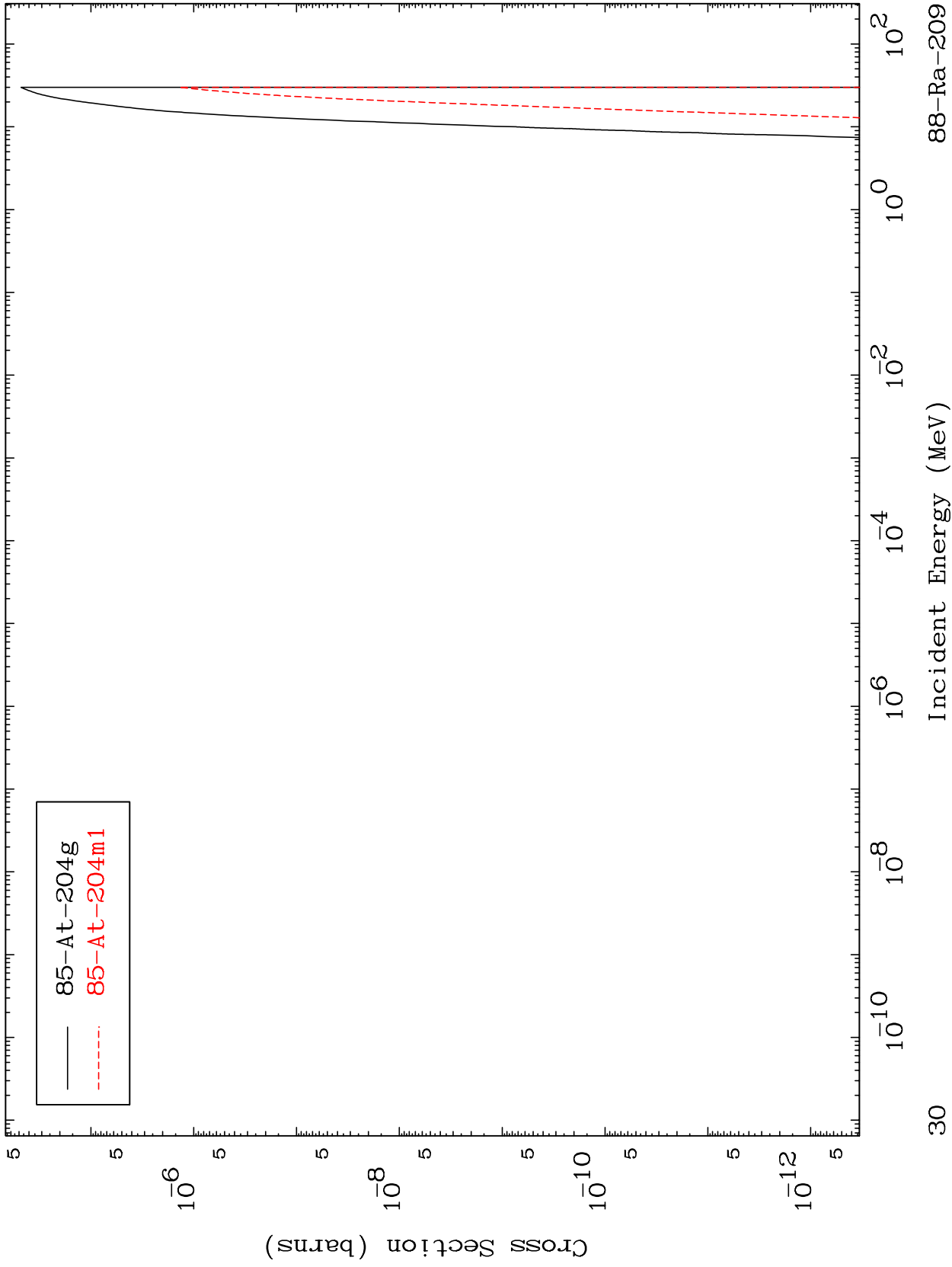


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(n,d)  $\alpha$

88-Ra-209

Radionuclide Production Cross Section



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