

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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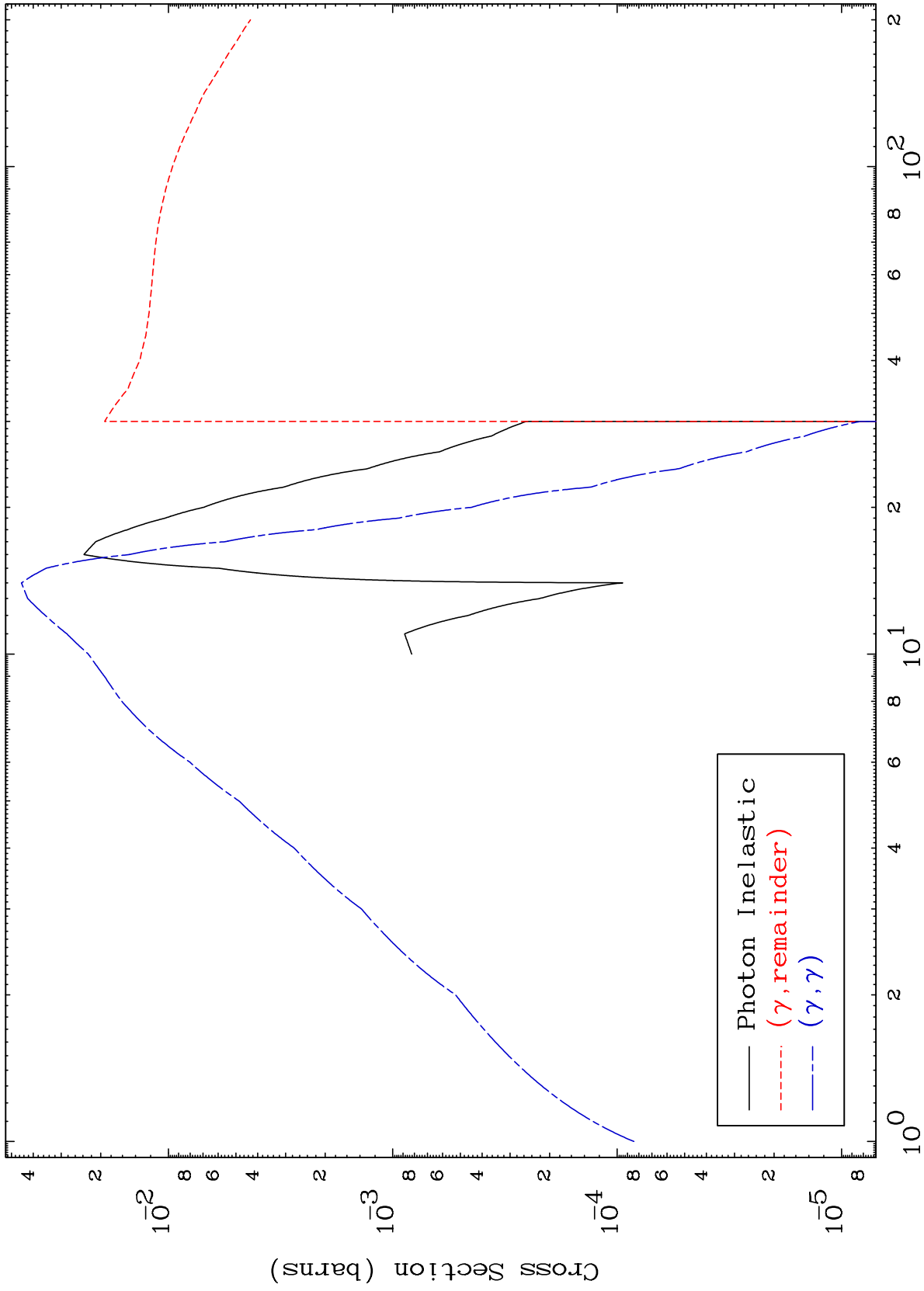
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6116

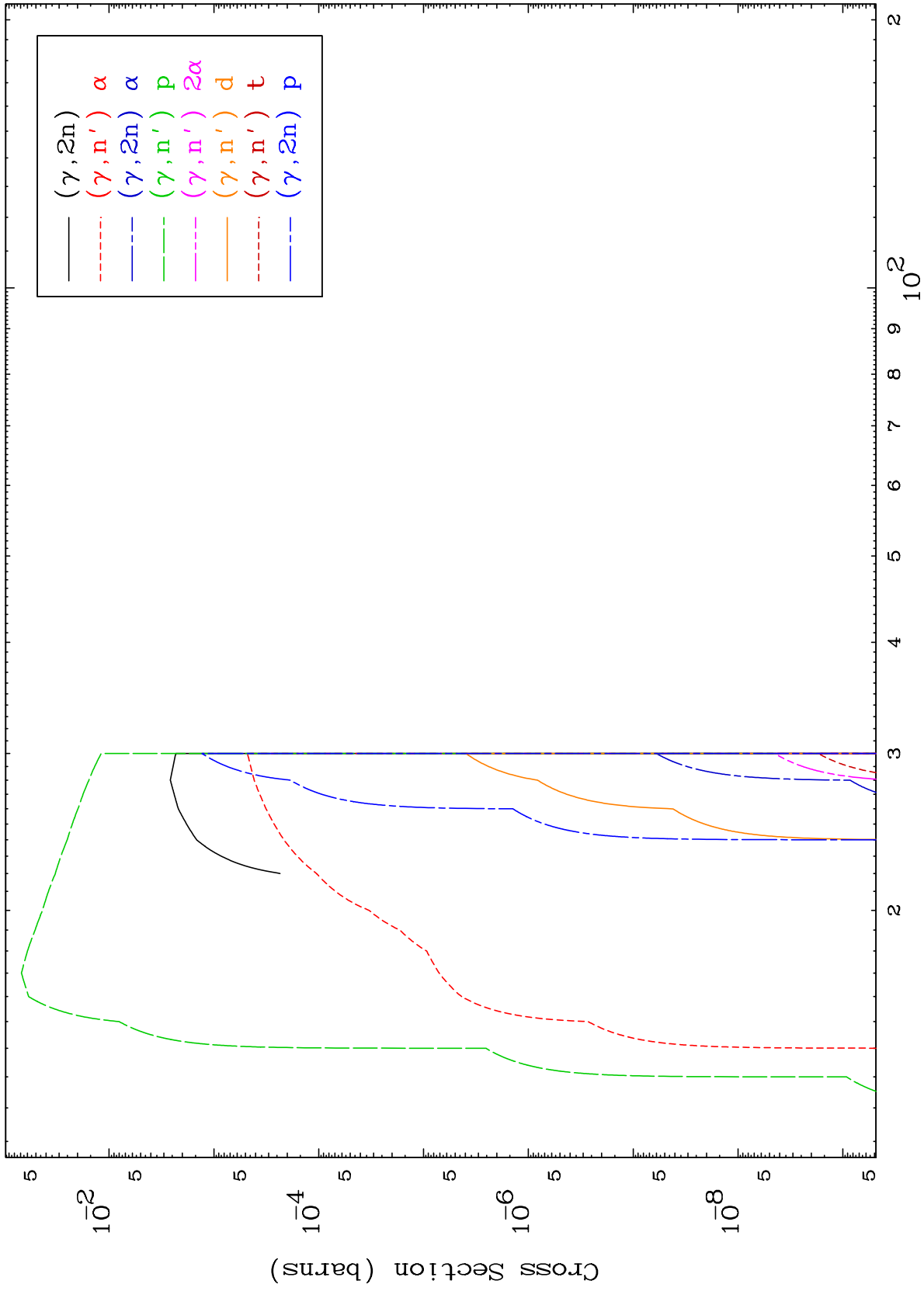
Photon Major  
0 Kelvin Cross Sections

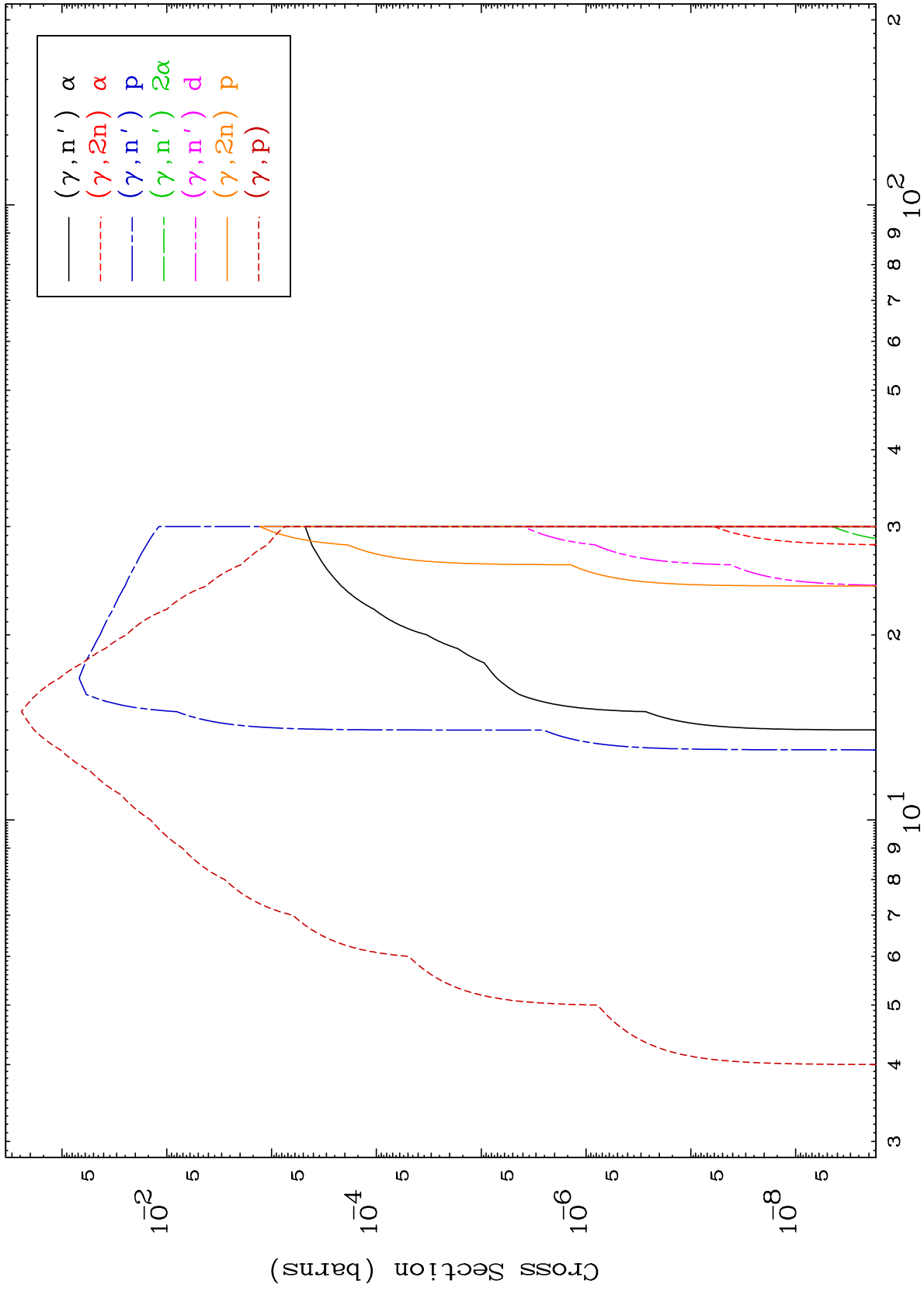
61-Pm-136

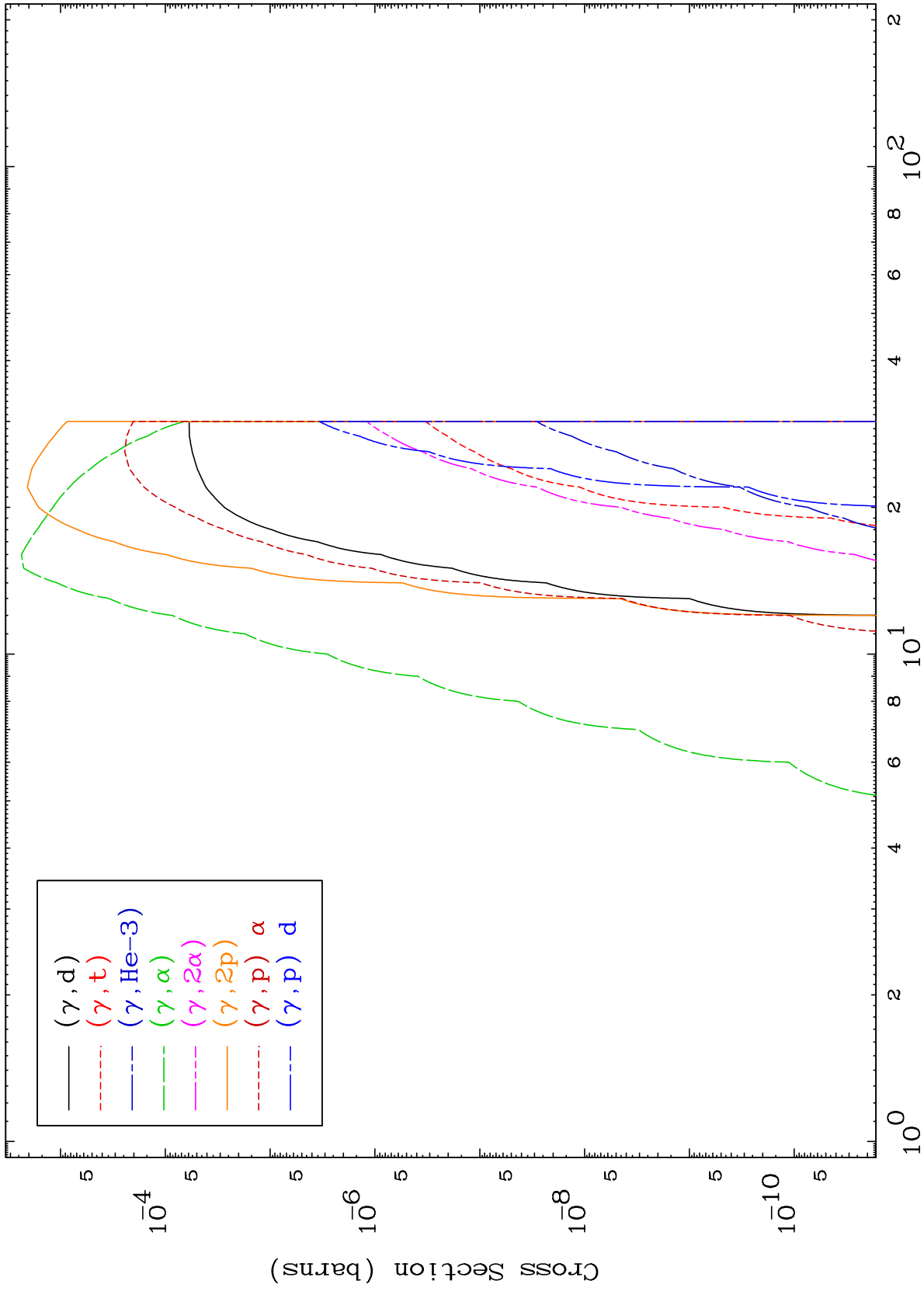


Incident Energy (MeV)

61-Pm-136



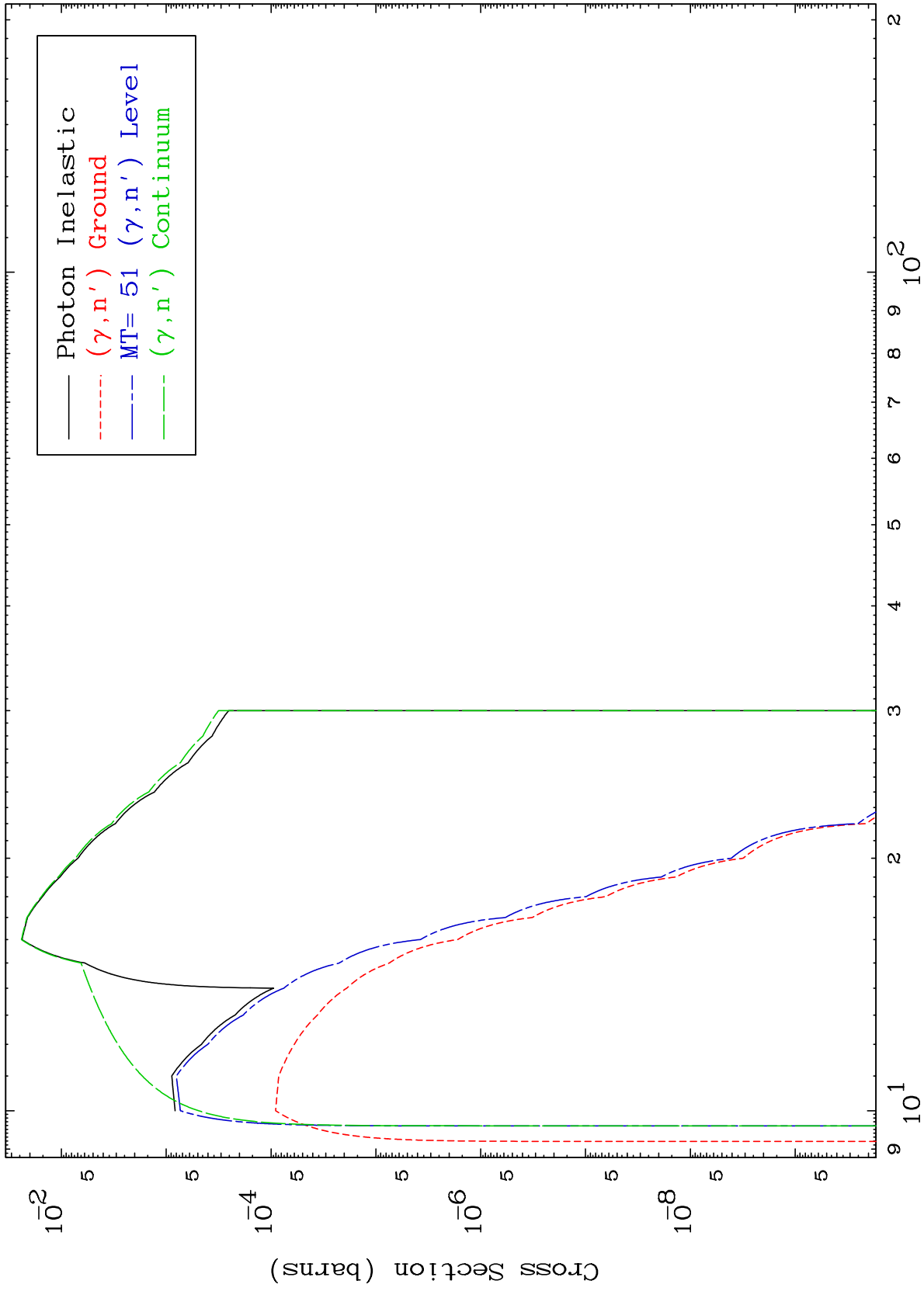




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$(\gamma, n')$  Level  
0 Kelvin Cross Sections

61-Pm-136



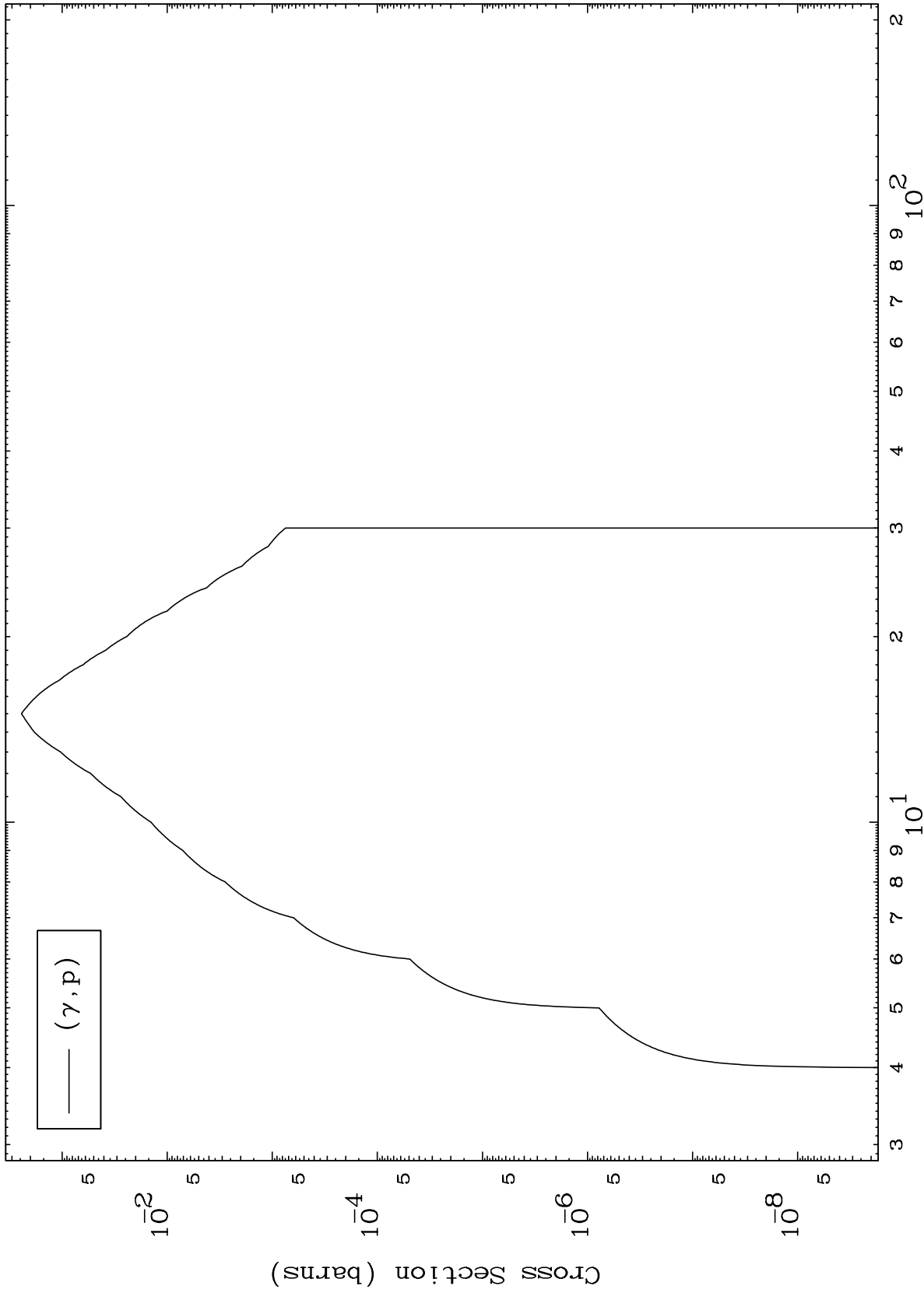
Incident Energy (MeV)

61-Pm-136

MAT 6116

( $\gamma, p$ ) Levels  
0 Kelvin Cross Sections

61-Pm-136



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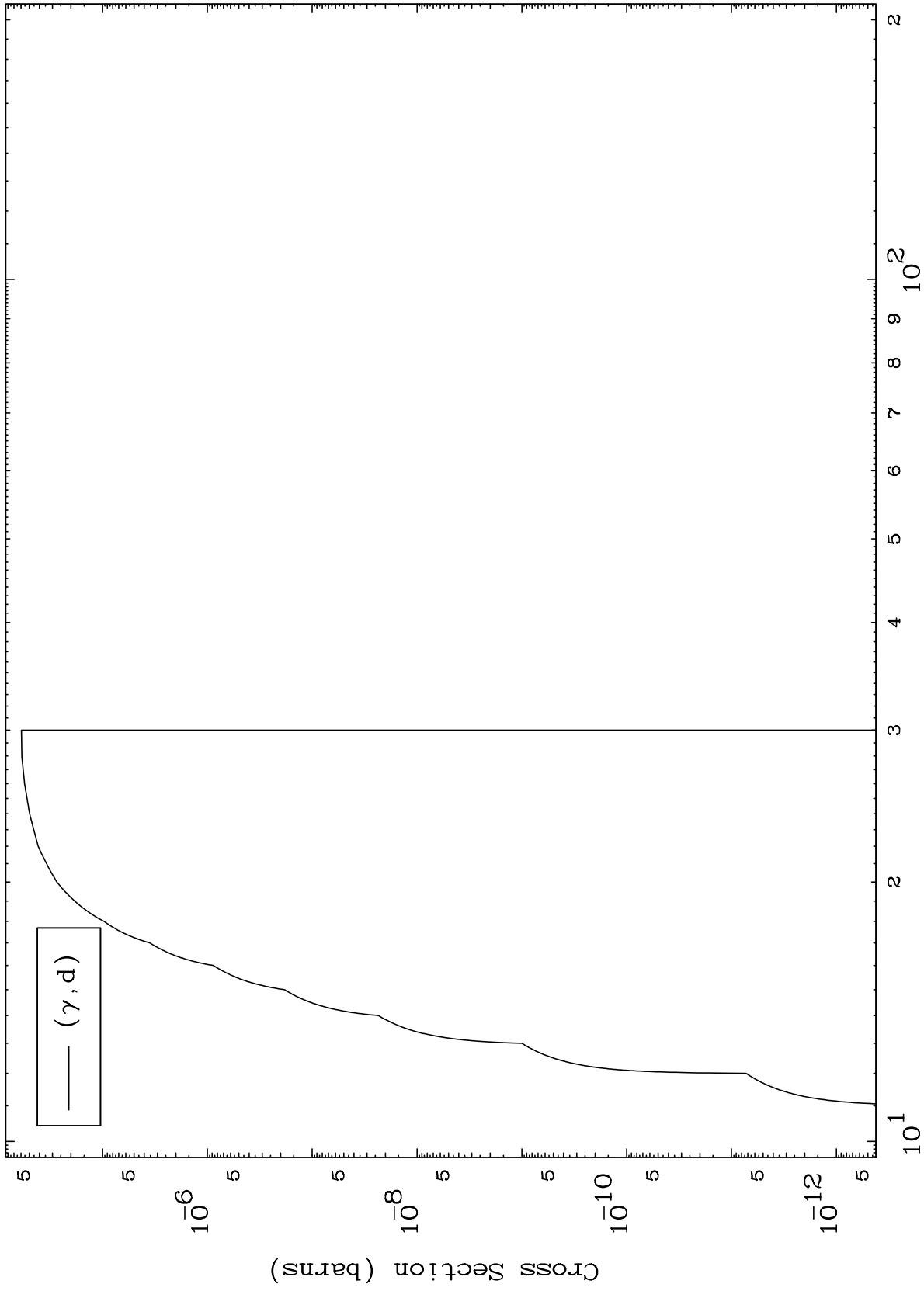
Incident Energy (MeV)

61-Pm-136

MAT 6116

( $\gamma, d$ ) Levels  
0 Kelvin Cross Sections

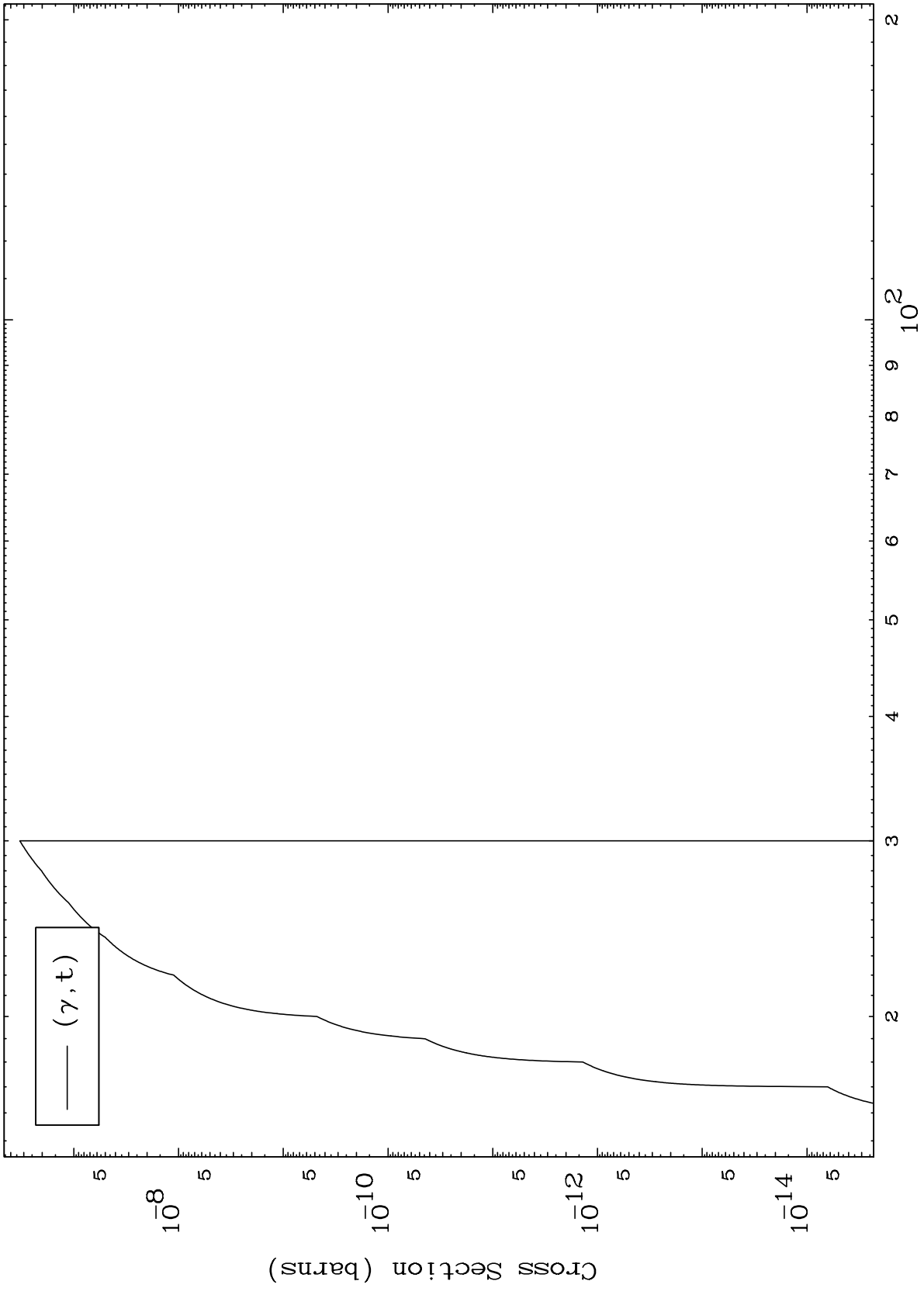
61-Pm-136

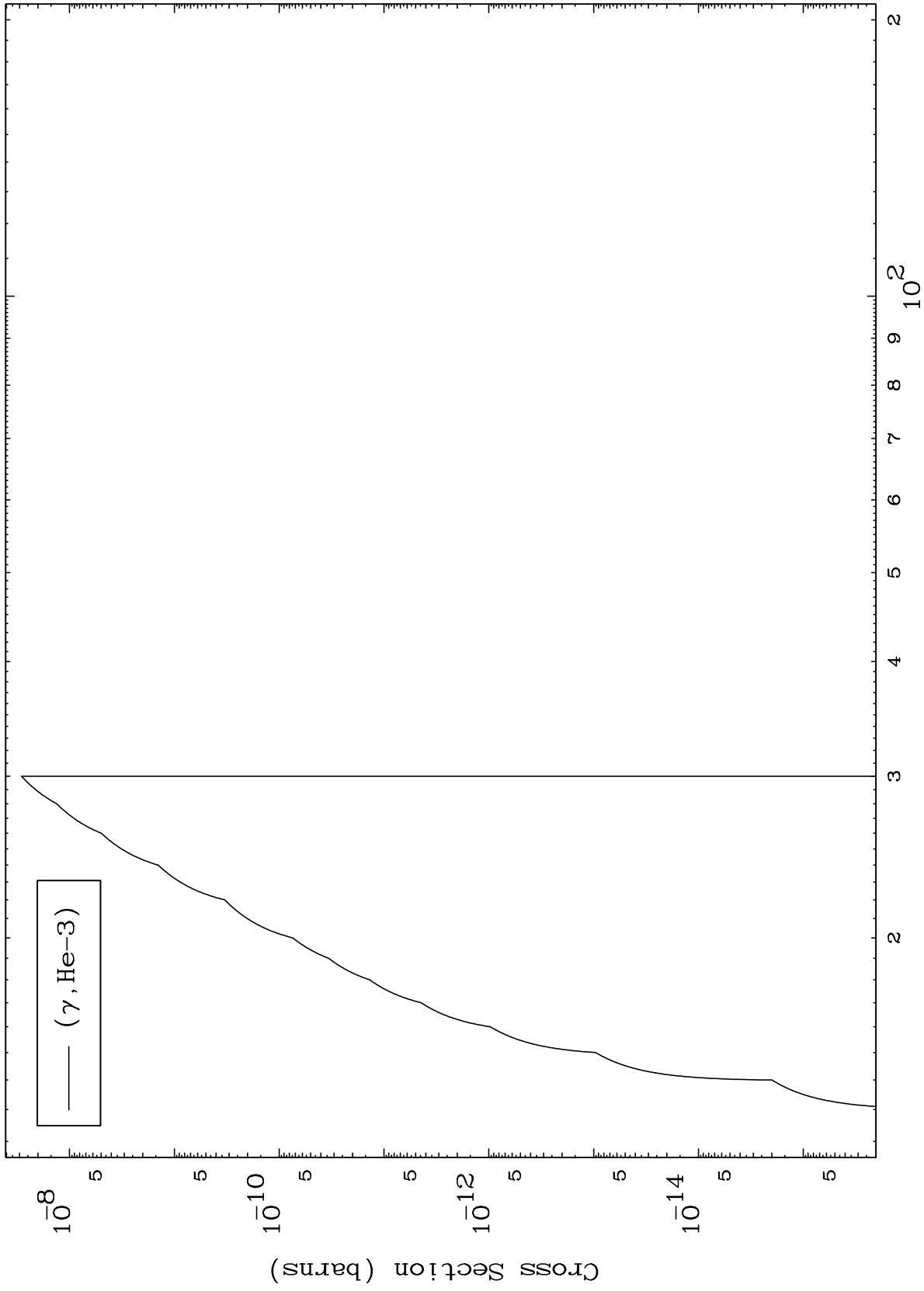


Incident Energy (MeV)

61-Pm-136



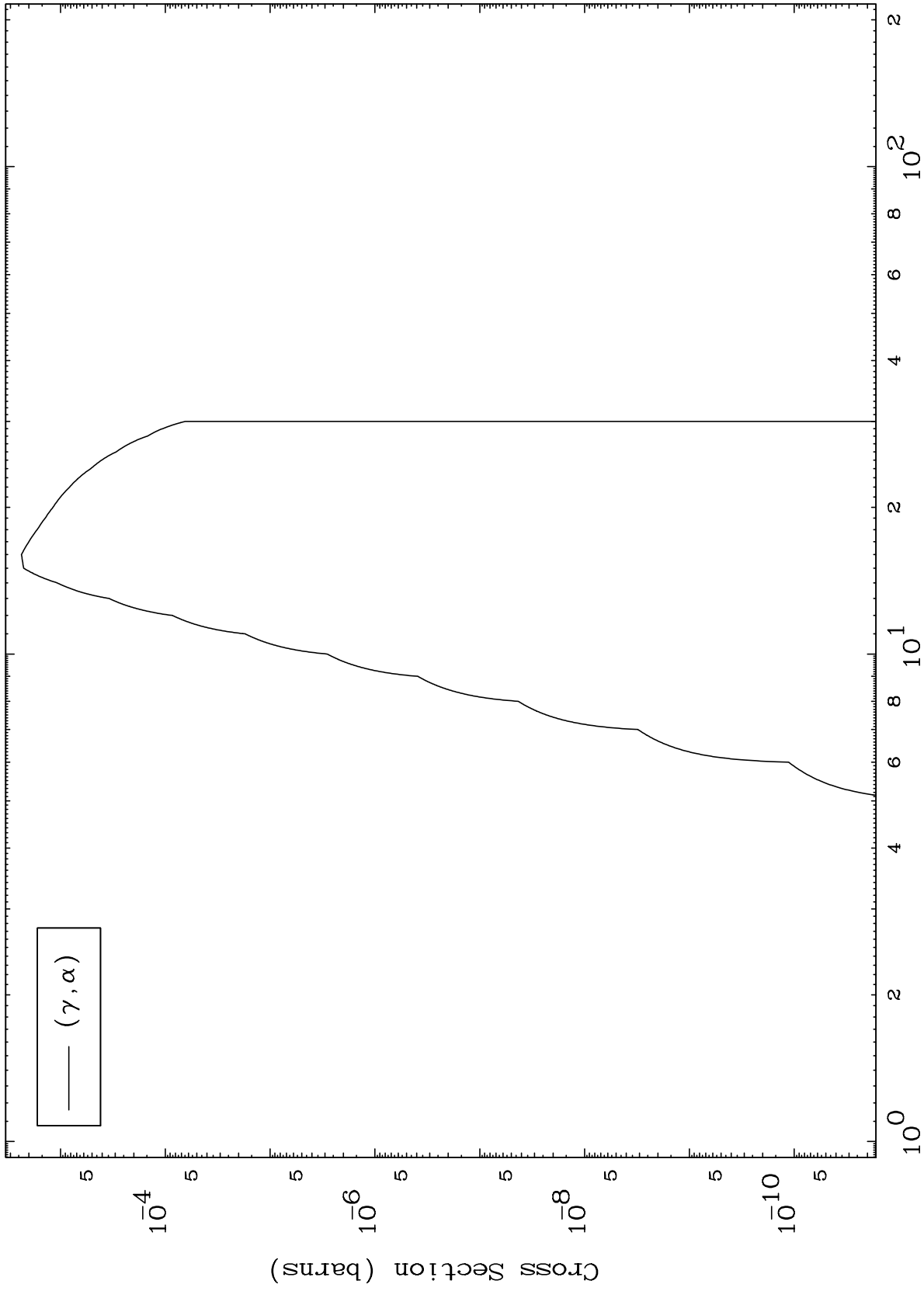




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( $\gamma, \alpha$ ) Levels  
0 Kelvin Cross Sections

61-Pm-136



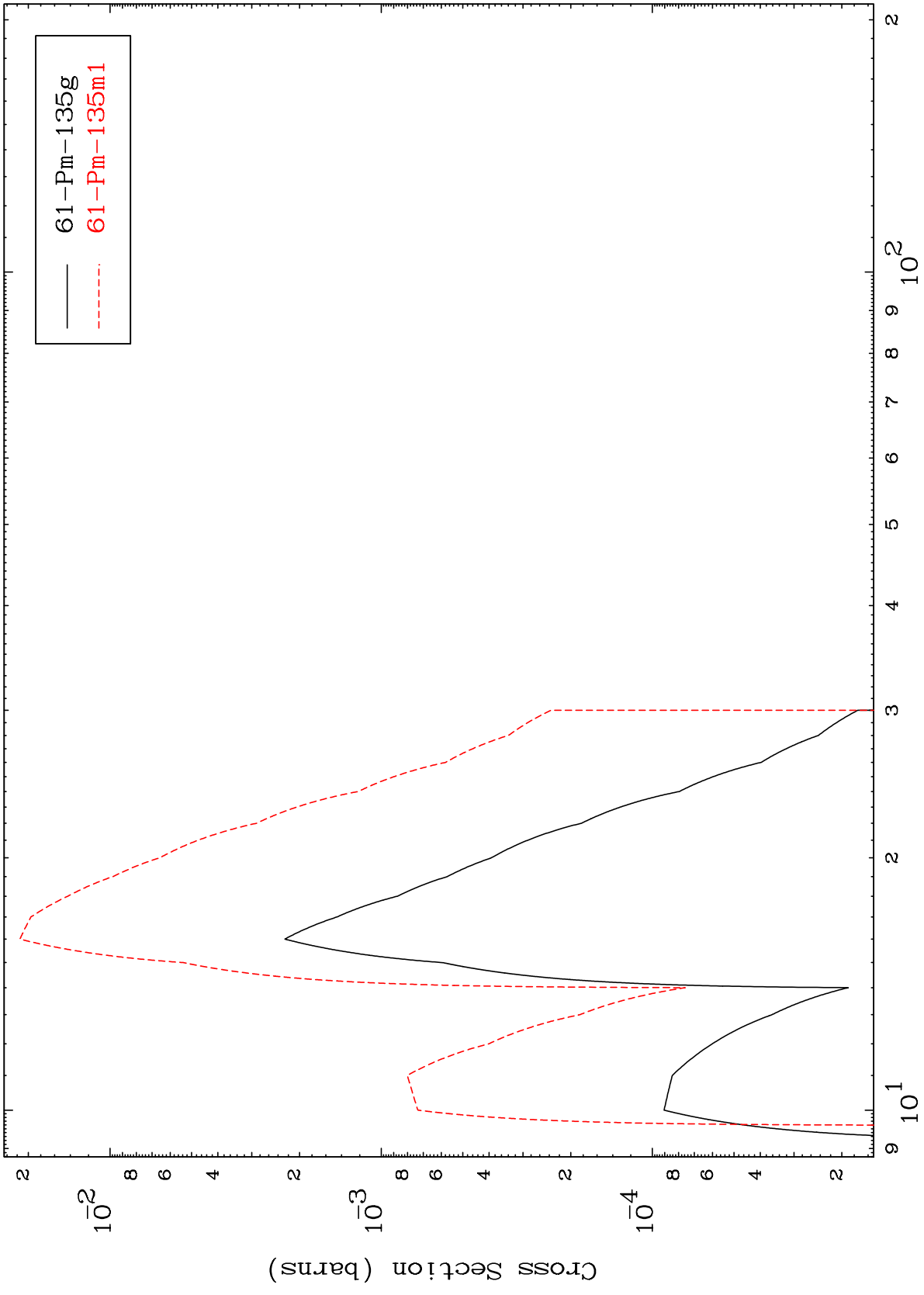
Incident Energy (MeV)

61-Pm-136

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61-Pm-136

Photon Inelastic  
Radionuclide Production Cross Section



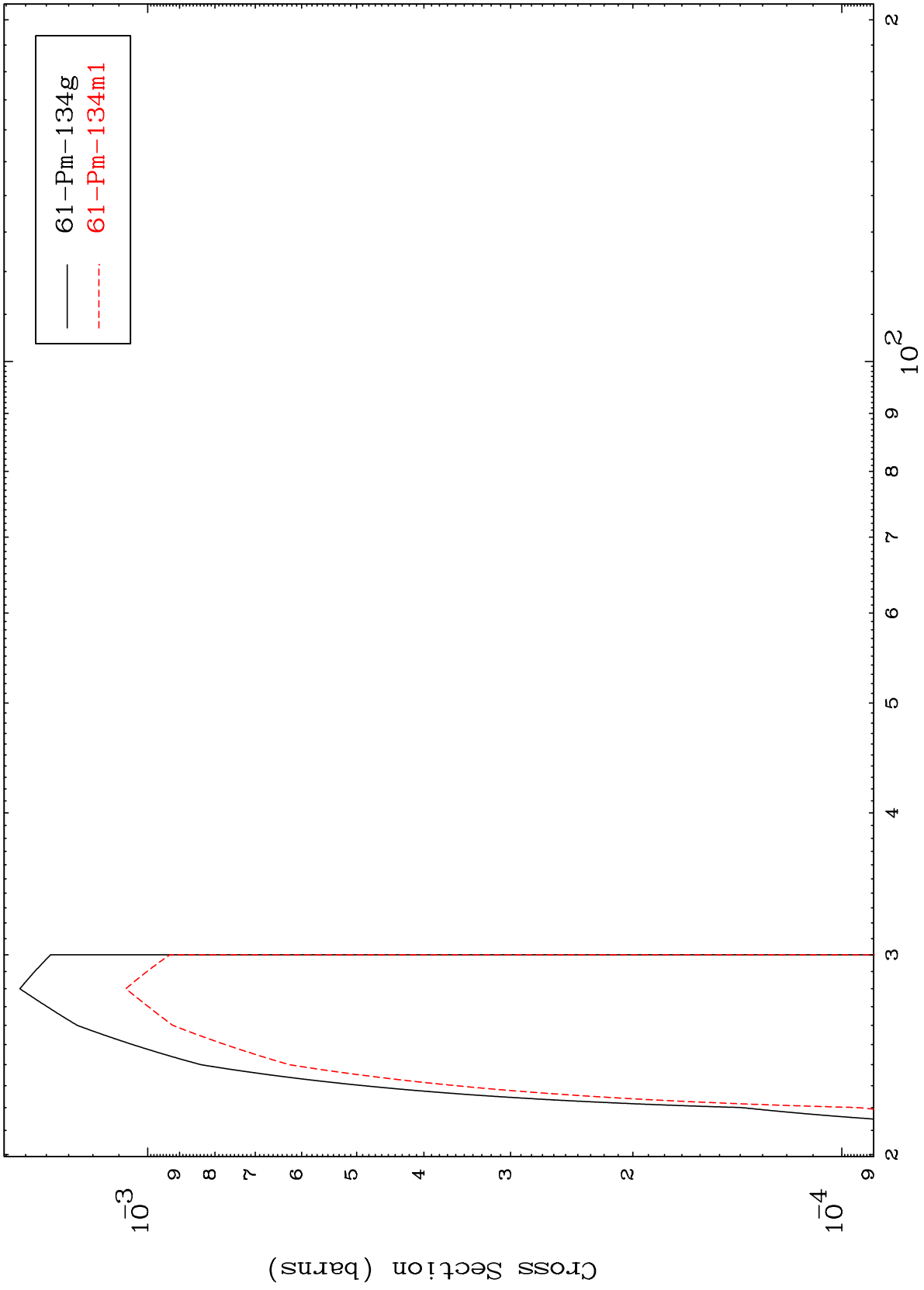
11

61-Pm-136

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61-Pm-136

( $\gamma, 2n$ )  
Radionuclide Production Cross Section



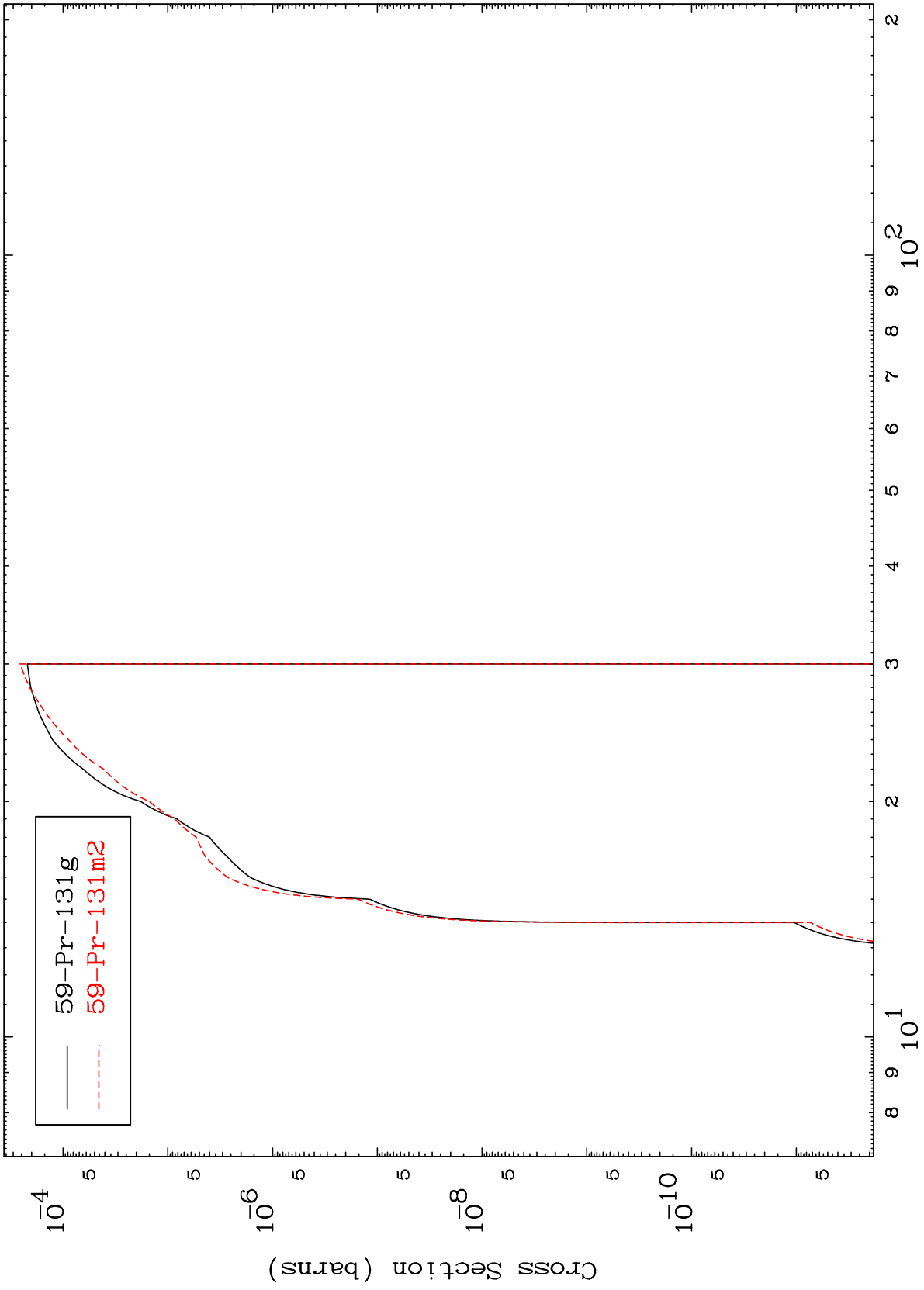
12

61-Pm-136

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61-Pm-136

$(\gamma, n') \alpha$   
Radionuclide Production Cross Section



13

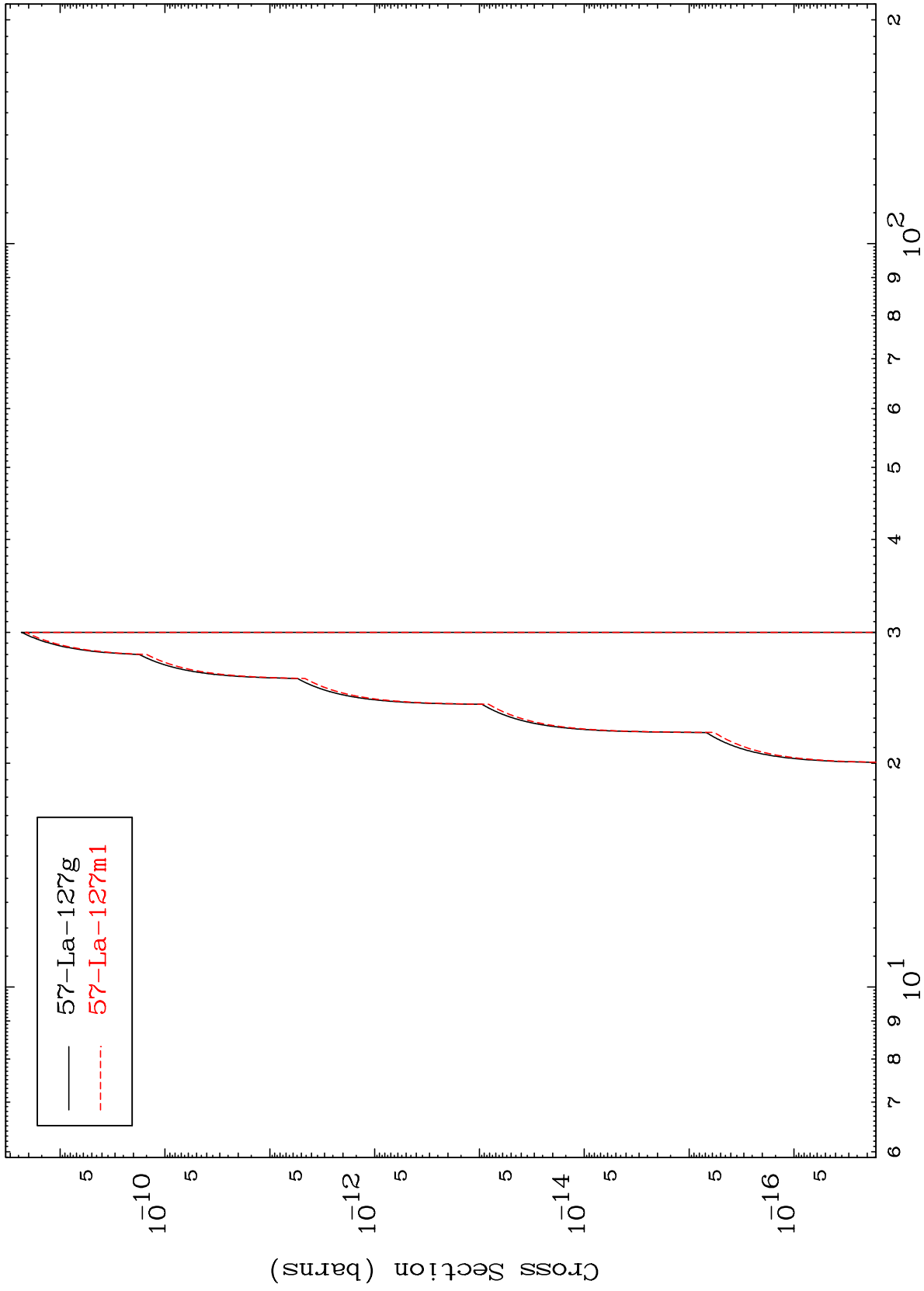
Incident Energy (MeV)

61-Pm-136

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61-Pm-136

$(\gamma, n')$   $2\alpha$   
Radionuclide Production Cross Section



14

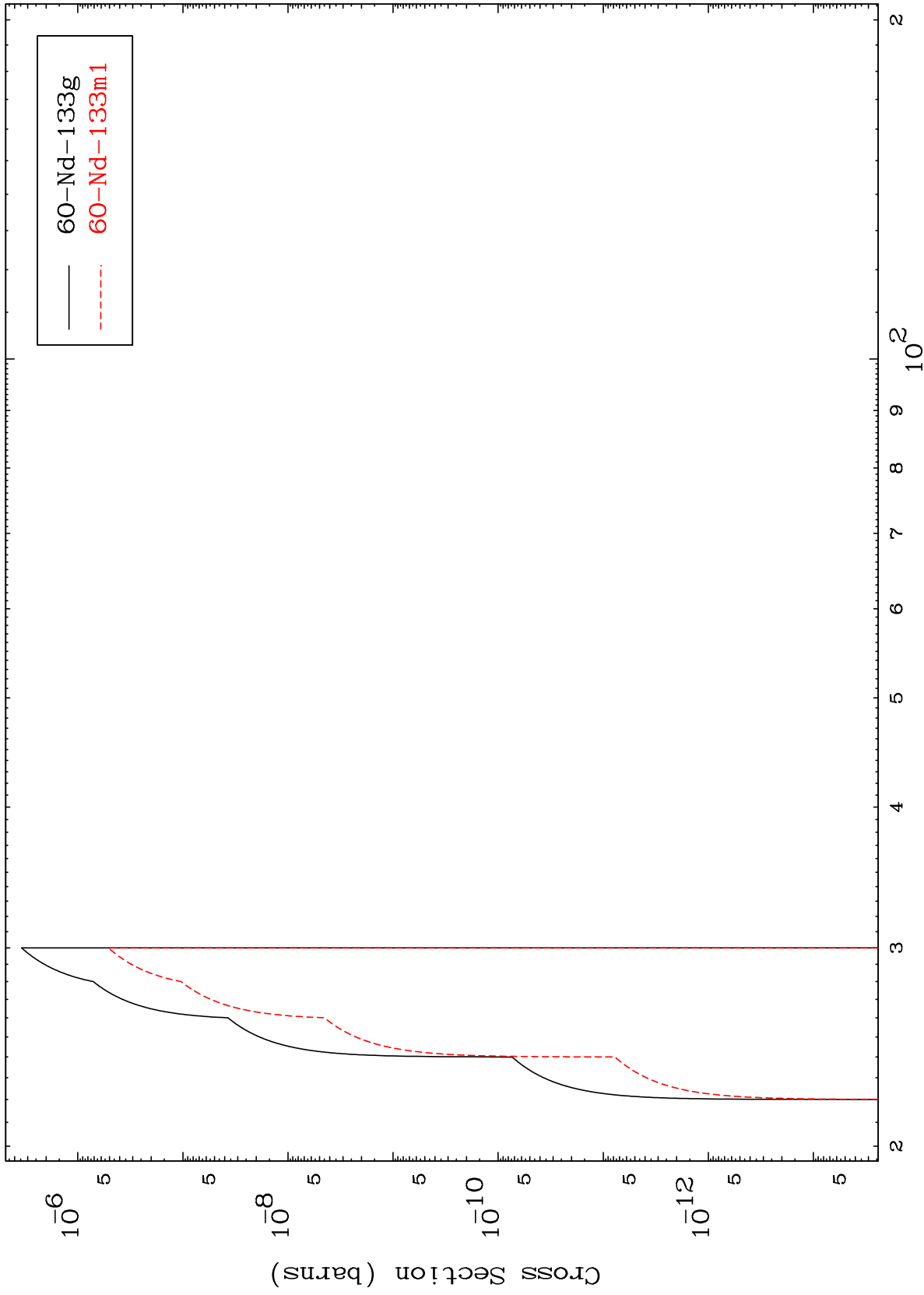
61-Pm-136

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( $\gamma, n'$ ) d

61-Pm-136

Radionuclide Production Cross Section



15

Incident Energy (MeV)

61-Pm-136

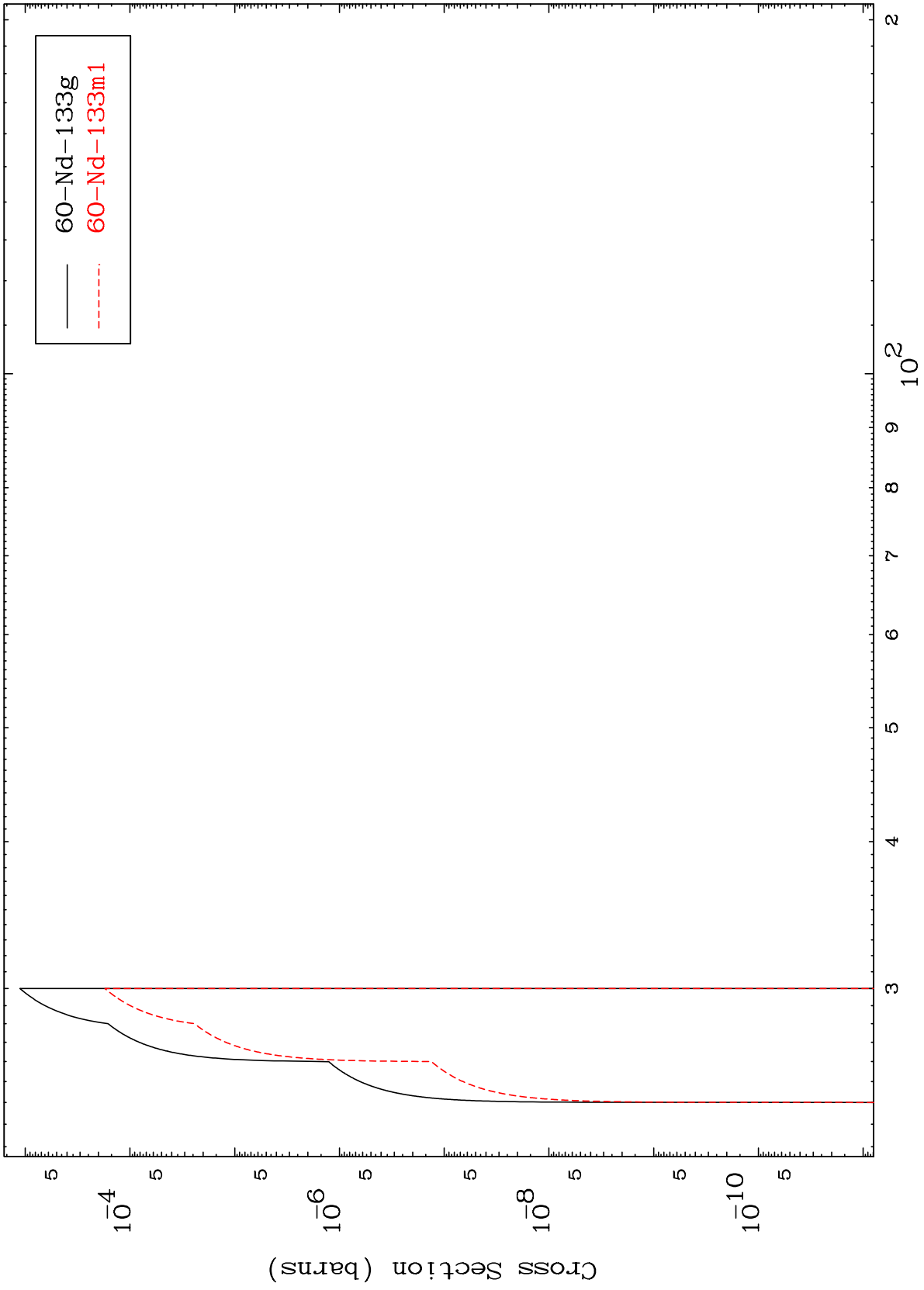


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( $\gamma, 2n$ ) p

61-Pm-136

Radionuclide Production Cross Section



16

Incident Energy (MeV)

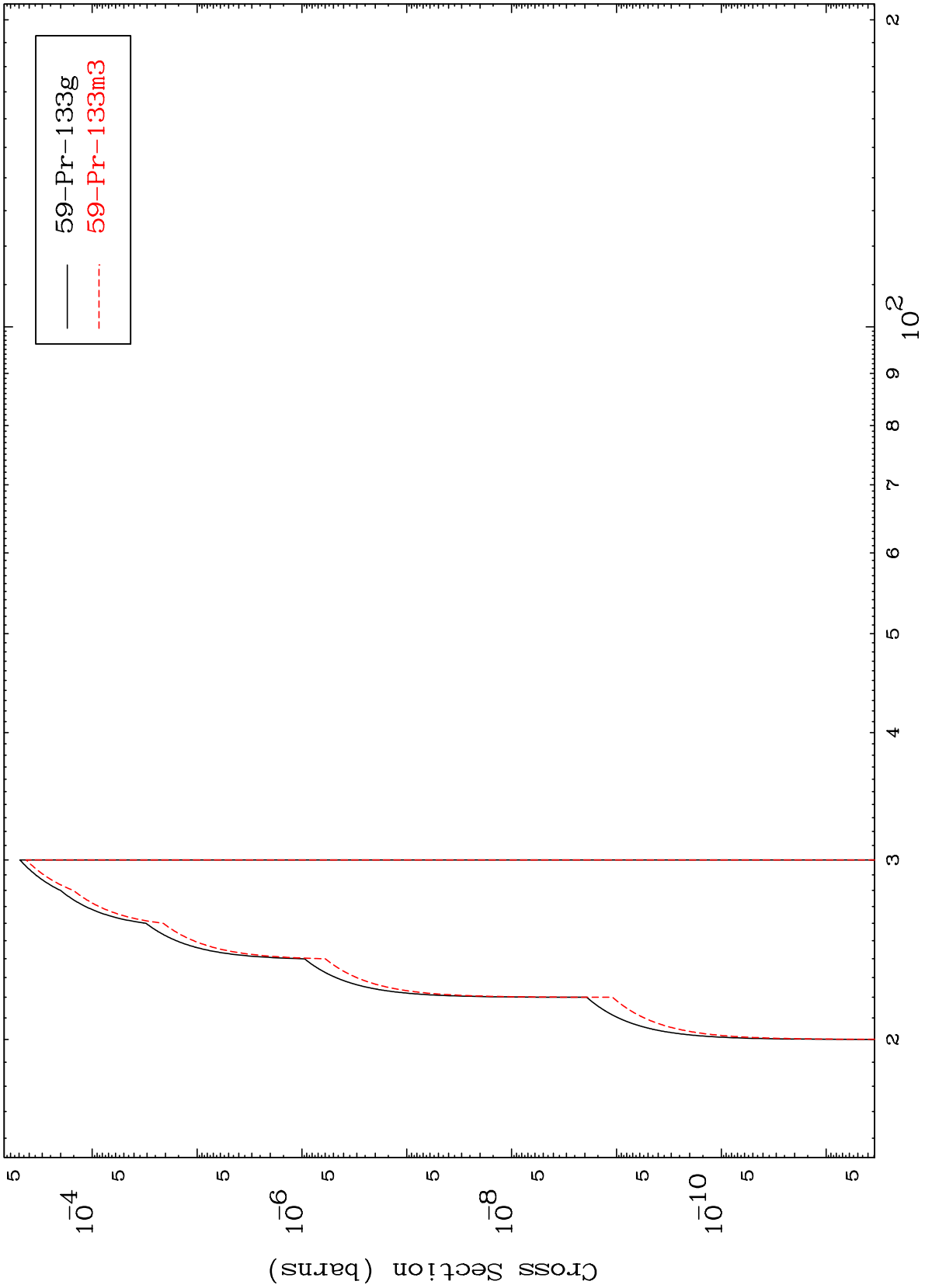
61-Pm-136

MAT 6116

( $\gamma, 2n$ ) p

61-Pm-136

Radionuclide Production Cross Section



17

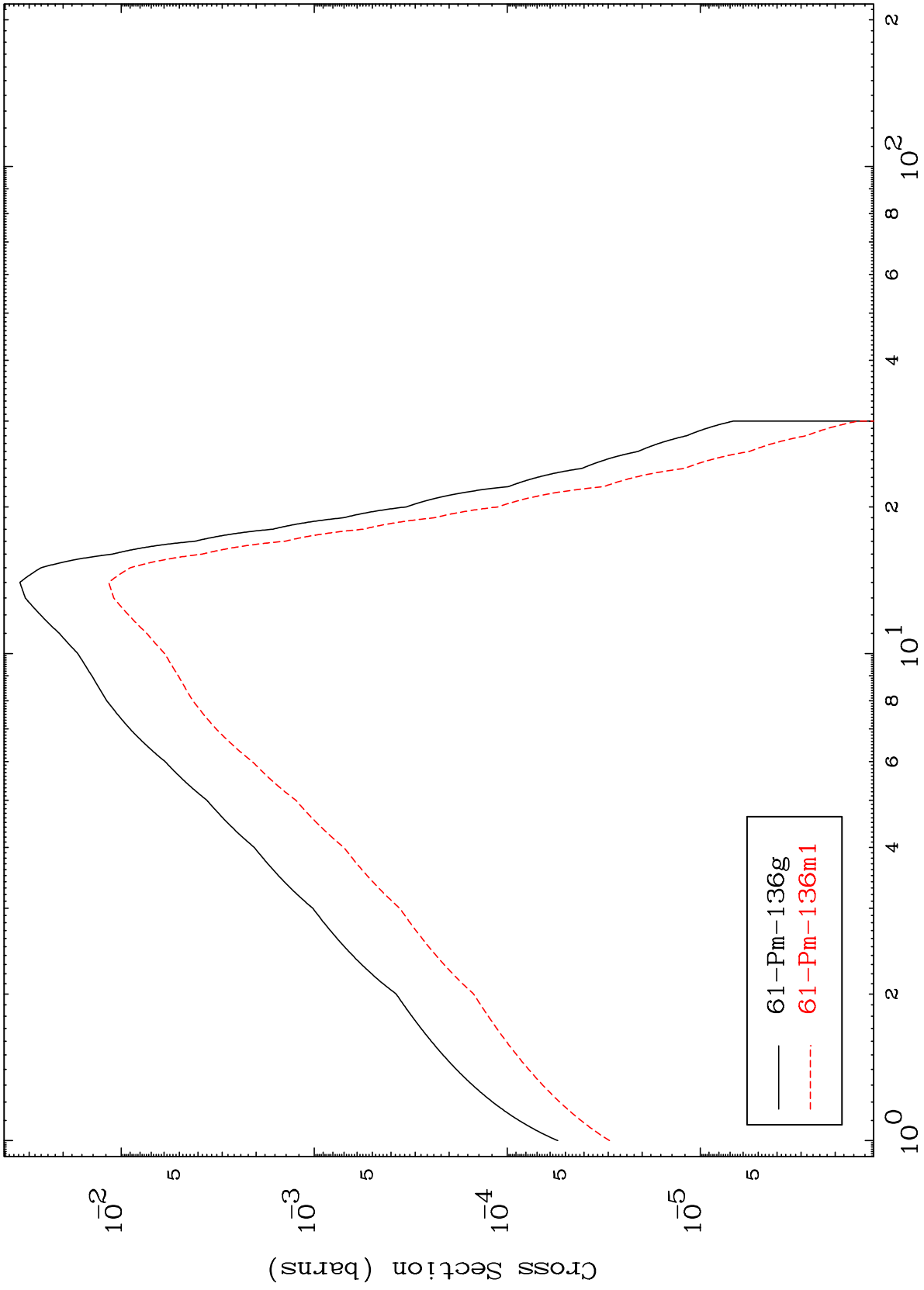
Incident Energy (MeV)

61-Pm-136

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61-Pm-136

Radionuclide Production Cross Section  
( $\gamma, \gamma$ )



Incident Energy (MeV)

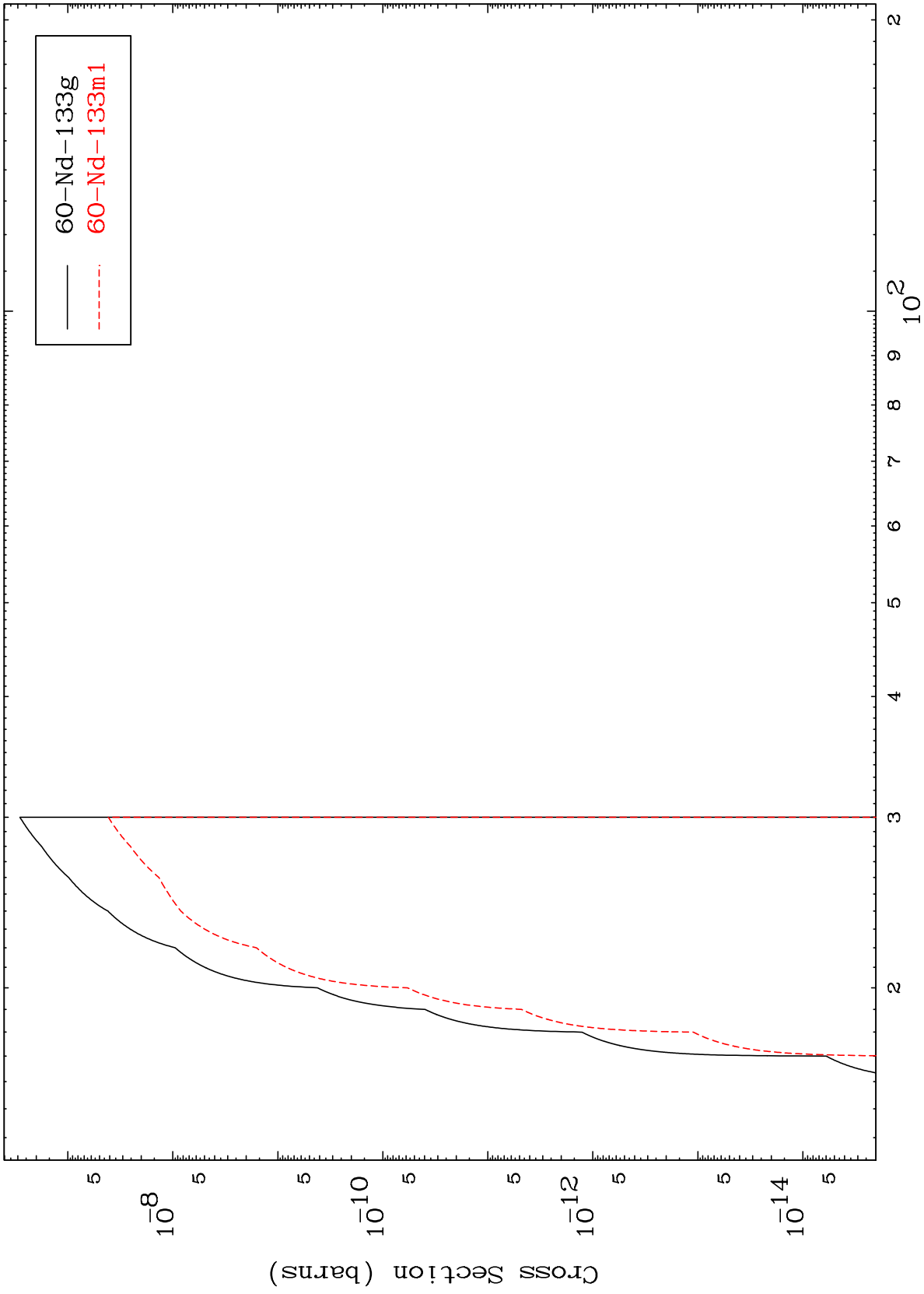
61-Pm-136

— 61-Pm-136g  
- - - 61-Pm-136m1

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61-Pm-136

( $\gamma, t$ )  
Radionuclide Production Cross Section



19

Incident Energy (MeV)

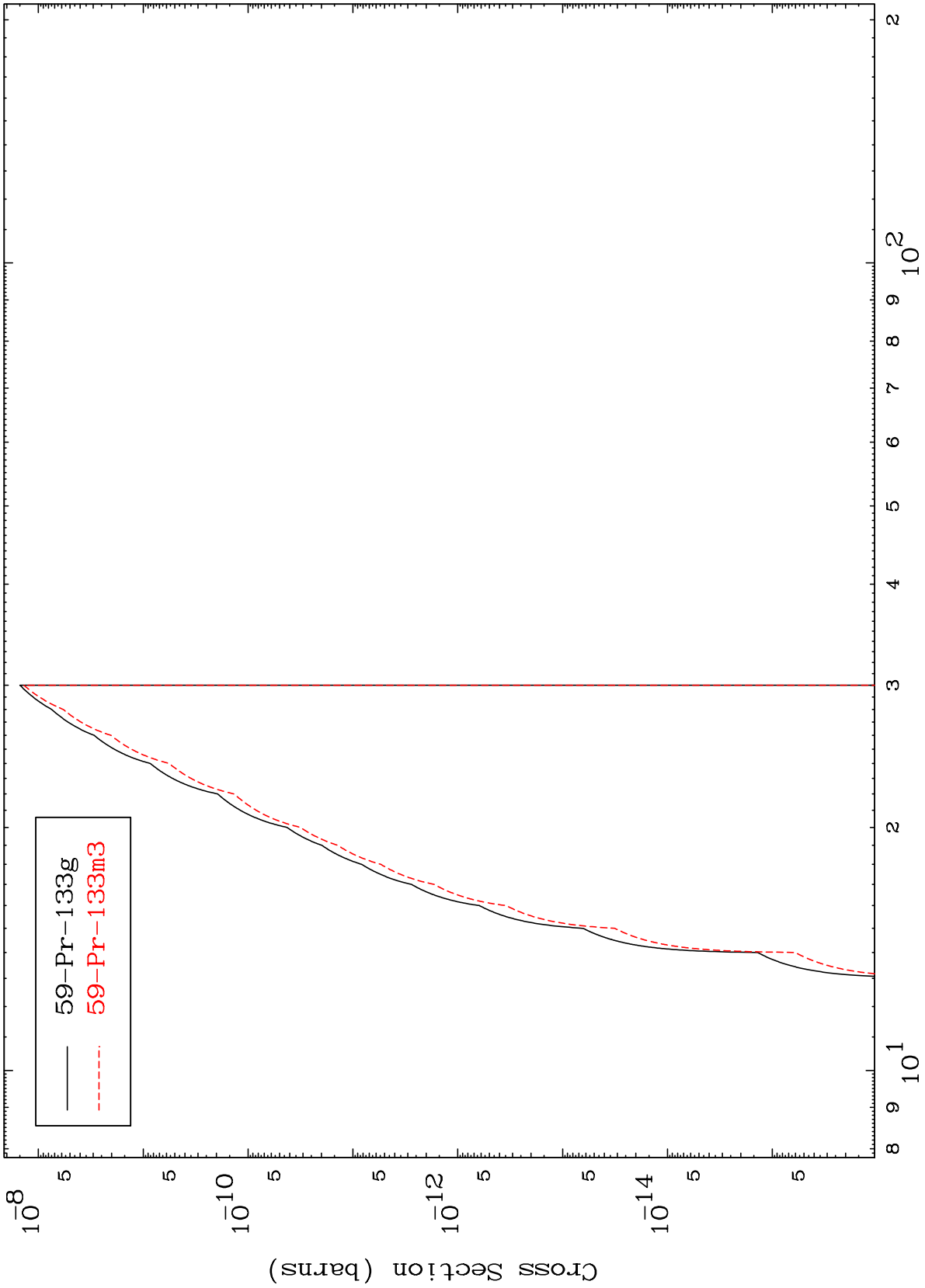
61-Pm-136

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( $\gamma, \text{He-3}$ )

61-Pm-136

Radionuclide Production Cross Section



20

Incident Energy (MeV)

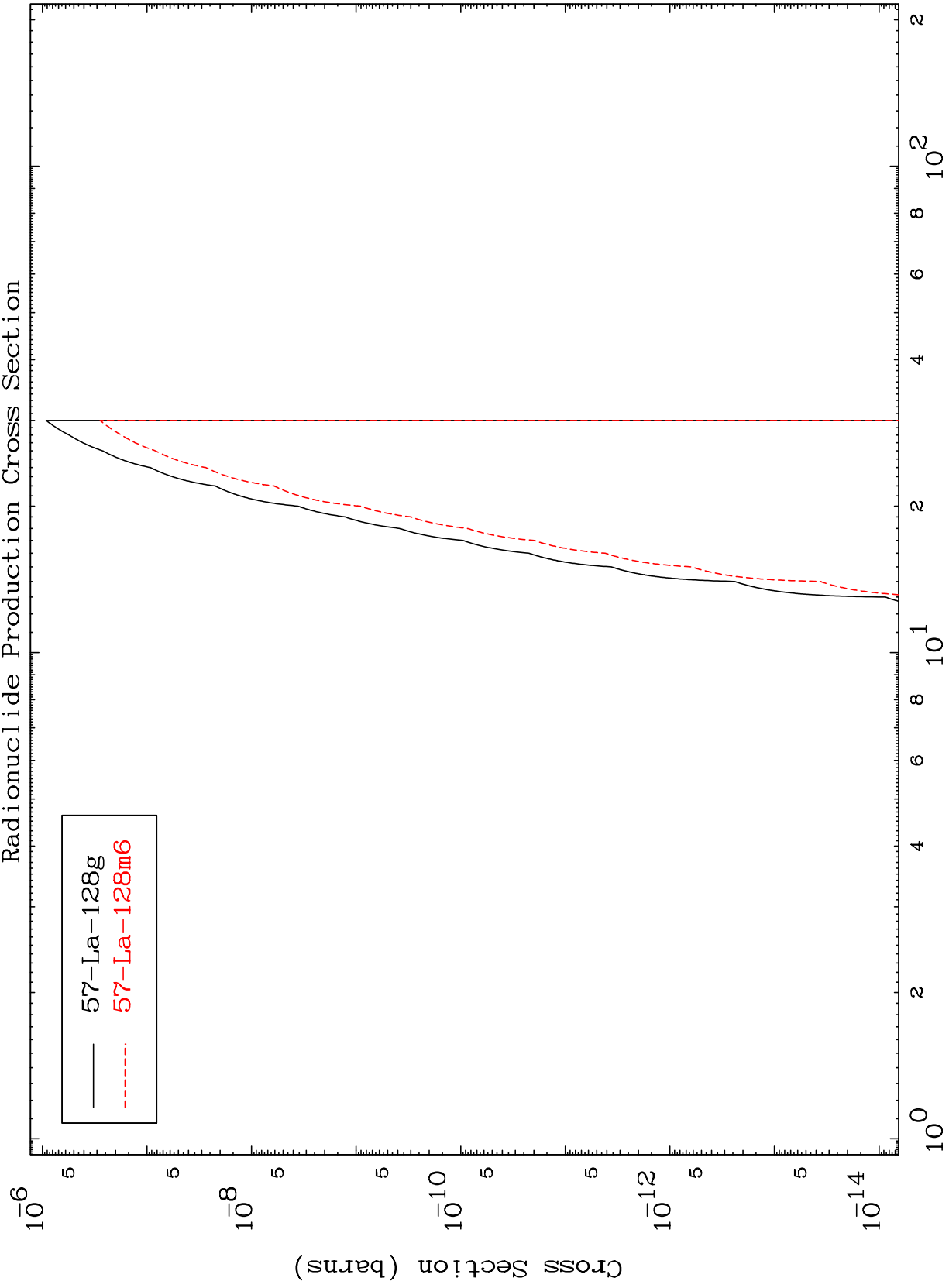
61-Pm-136

MAT 6116

( $\gamma, 2\alpha$ )

61-Pm-136

Radionuclide Production Cross Section



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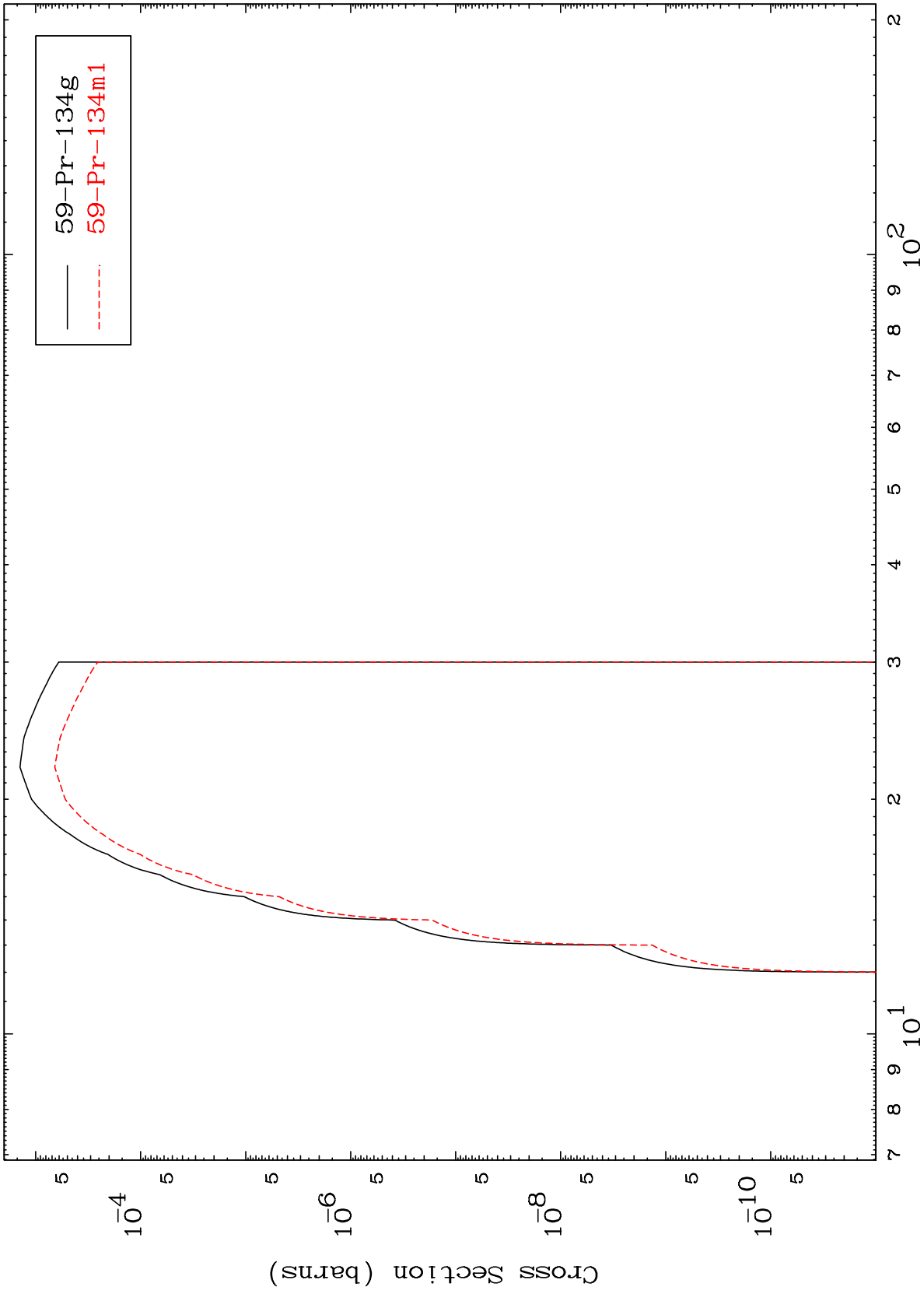
Incident Energy (MeV)

61-Pm-136

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61-Pm-136

( $\gamma, 2p$ )  
Radionuclide Production Cross Section



22

Incident Energy (MeV)

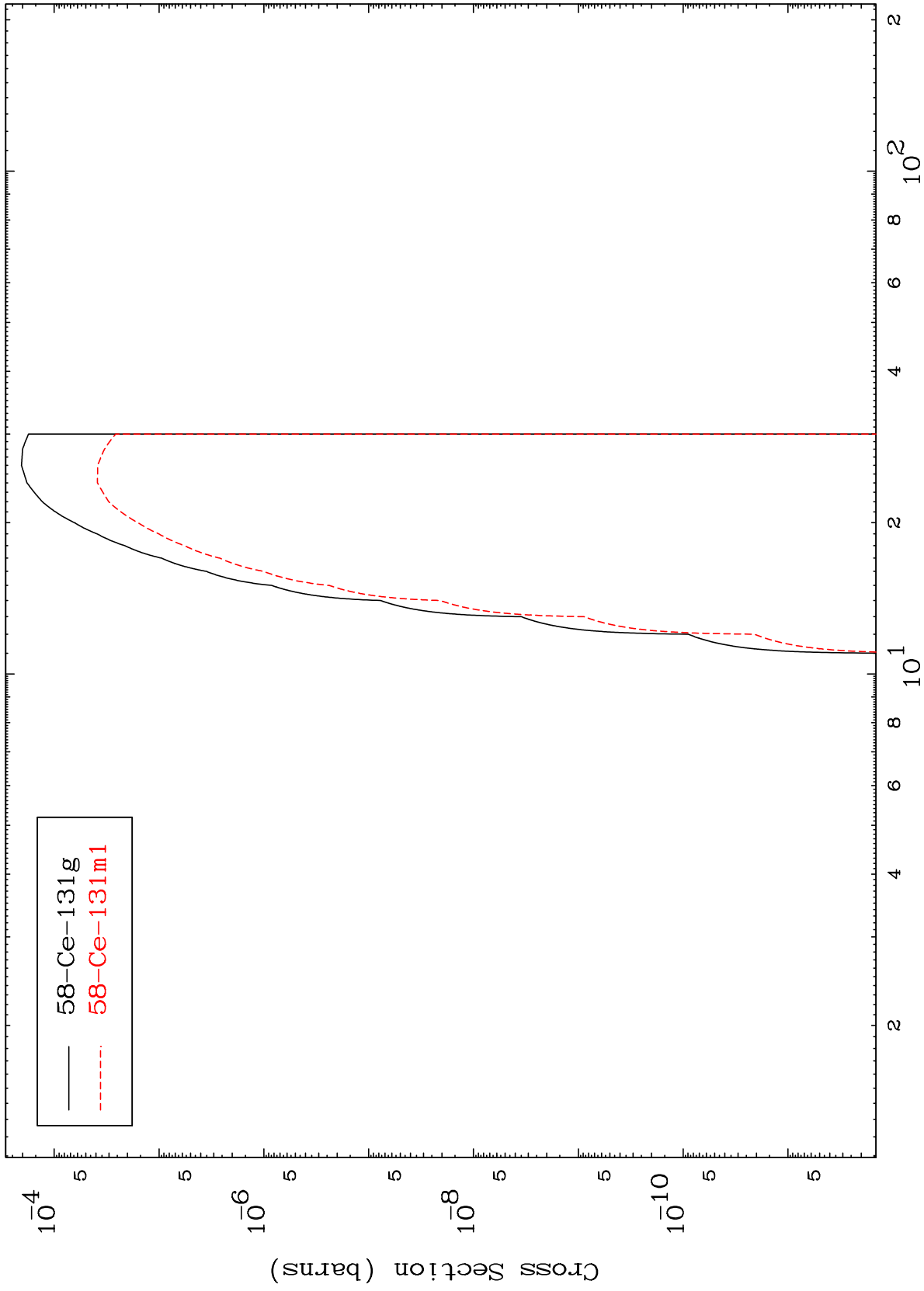
61-Pm-136

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( $\gamma, p$ )  $\alpha$

61-Pm-136

### Radionuclide Production Cross Section



23

Incident Energy (MeV)

61-Pm-136

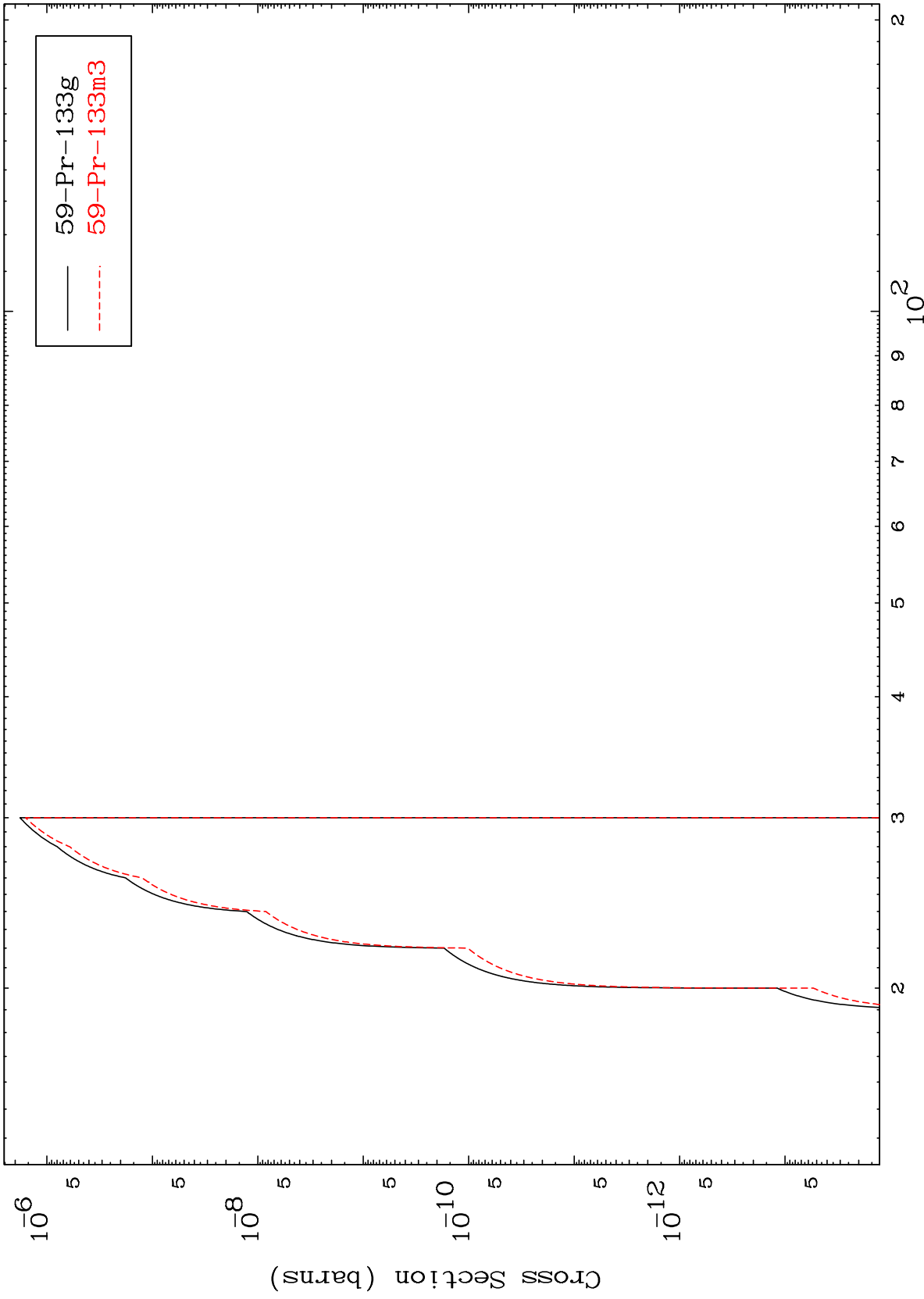


MAT 6116

( $\gamma, p$ ) d

61-Pm-136

Radionuclide Production Cross Section



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Incident Energy (MeV)

61-Pm-136