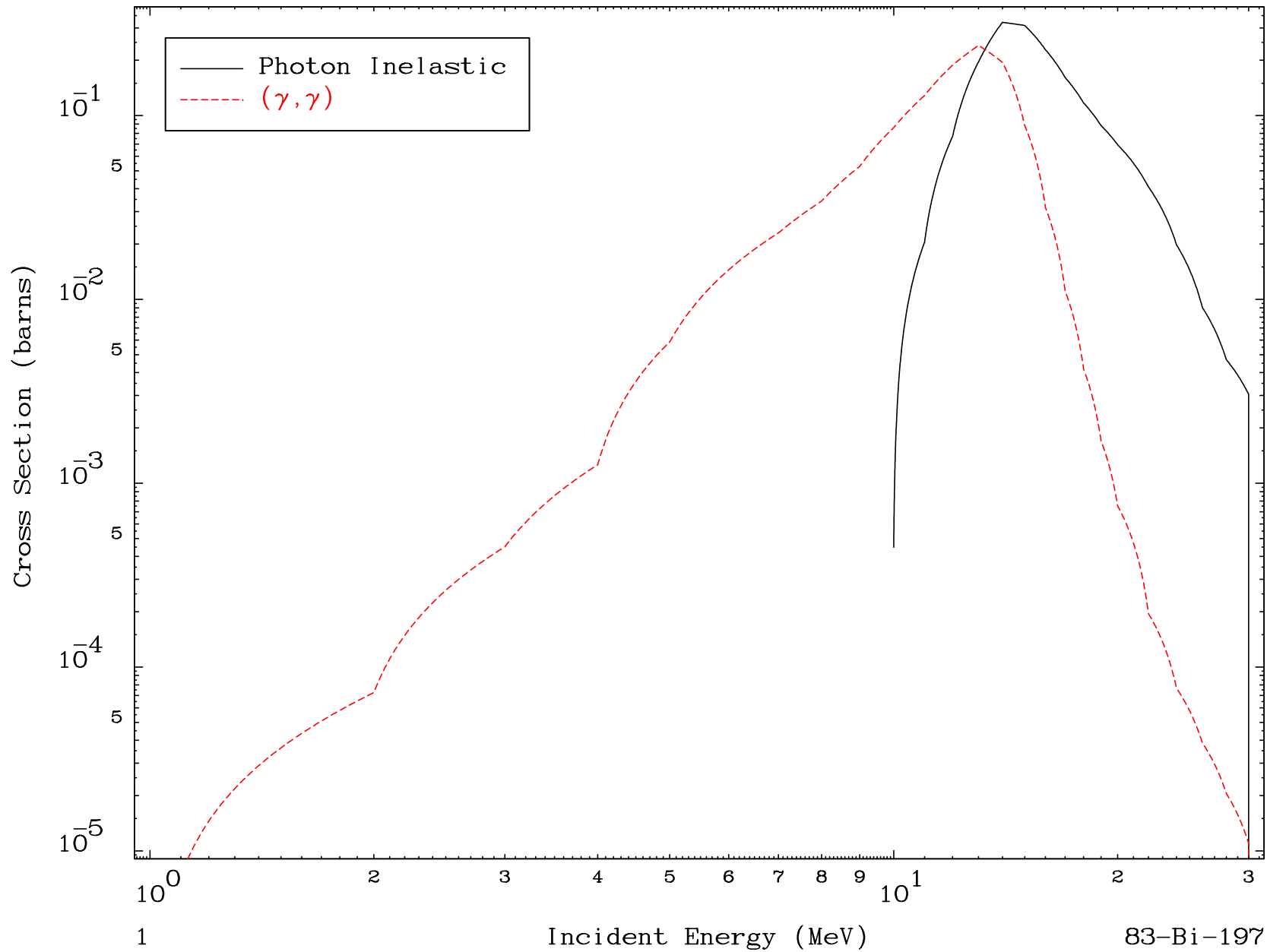
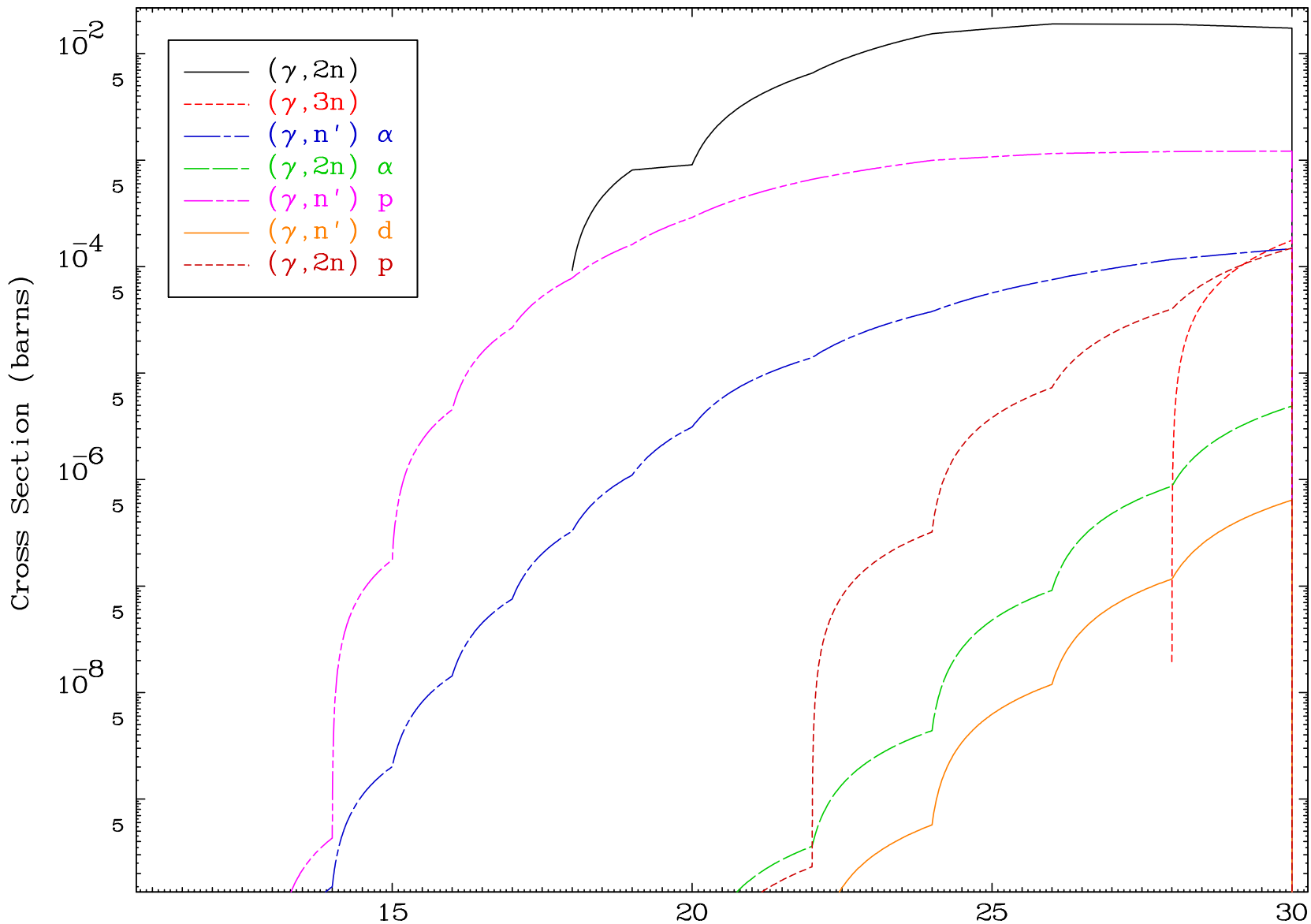


MAT 8289

Photon Major  
0 Kelvin Cross Sections

83-Bi-197

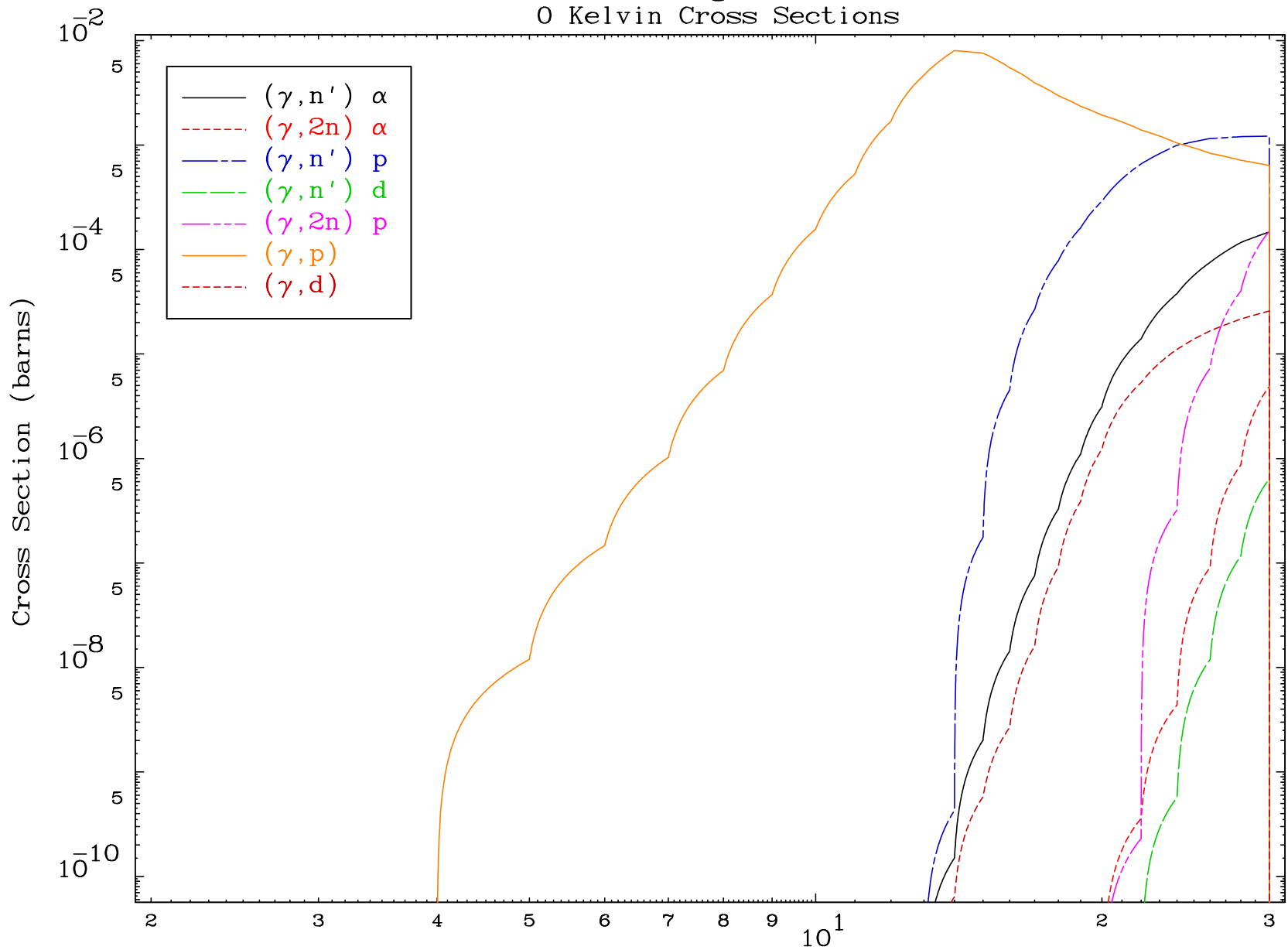




MAT 8289

Photon Charged Particle  
0 Kelvin Cross Sections

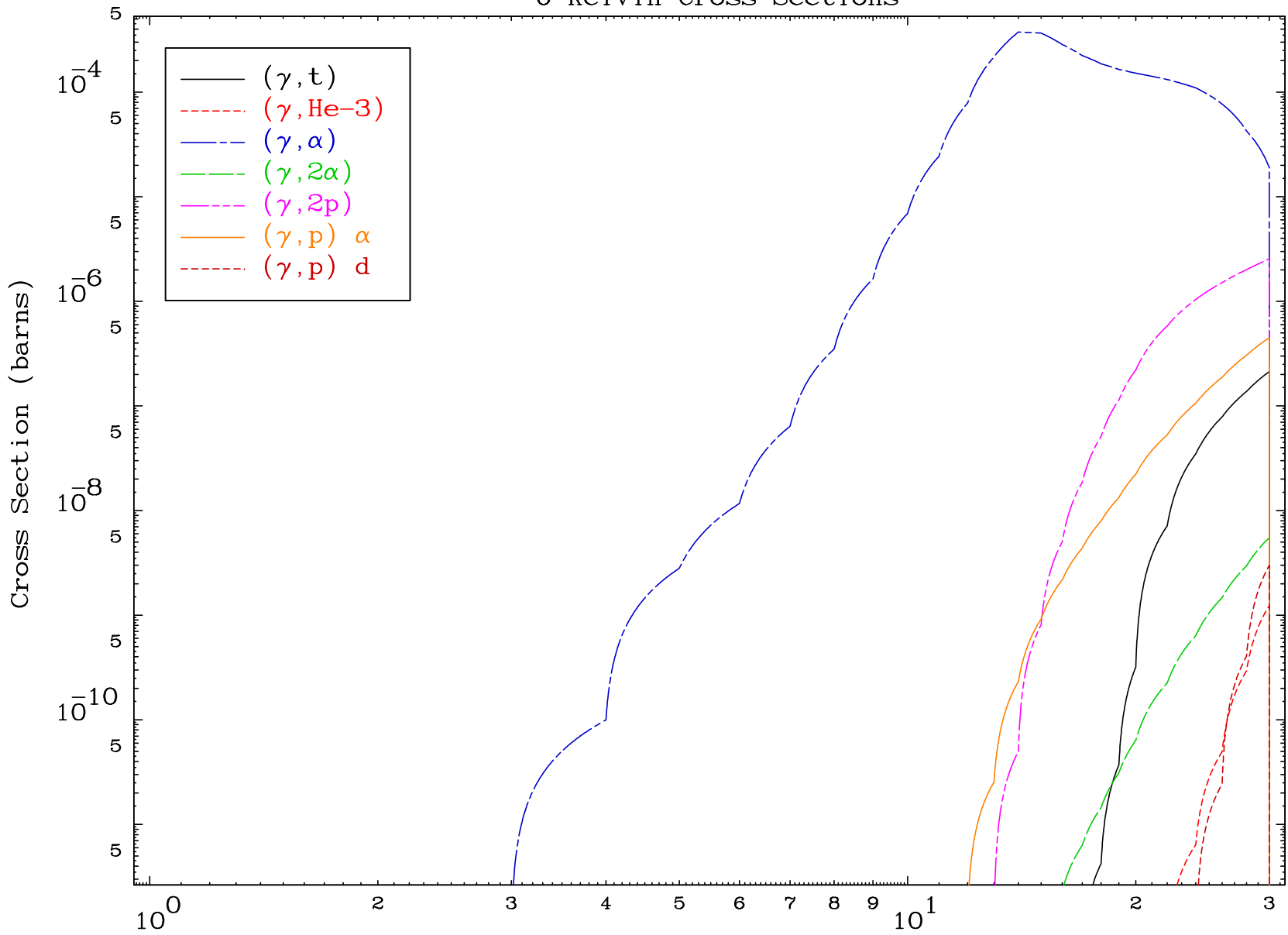
83-Bi-197

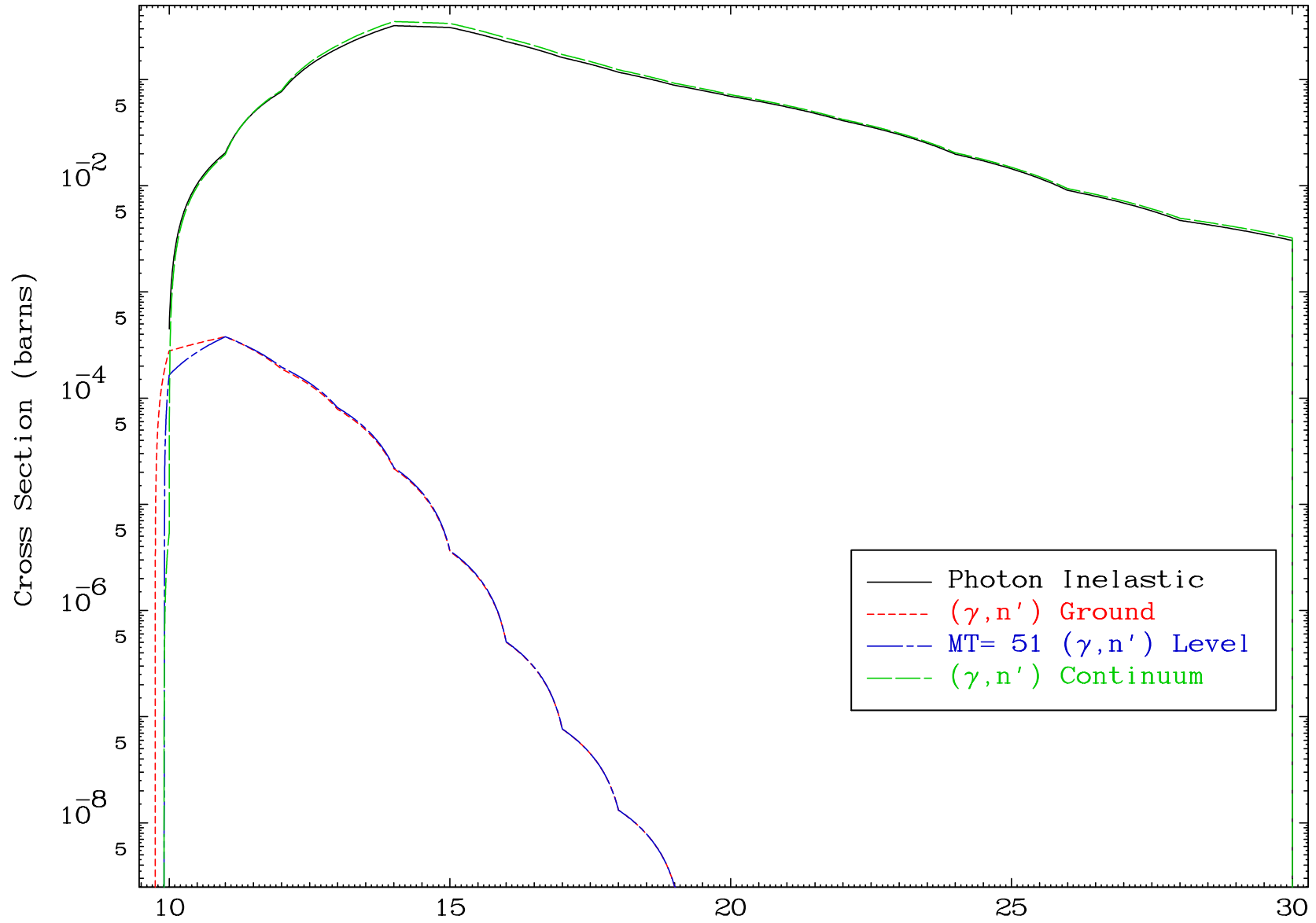


3

Incident Energy (MeV)

83-Bi-197

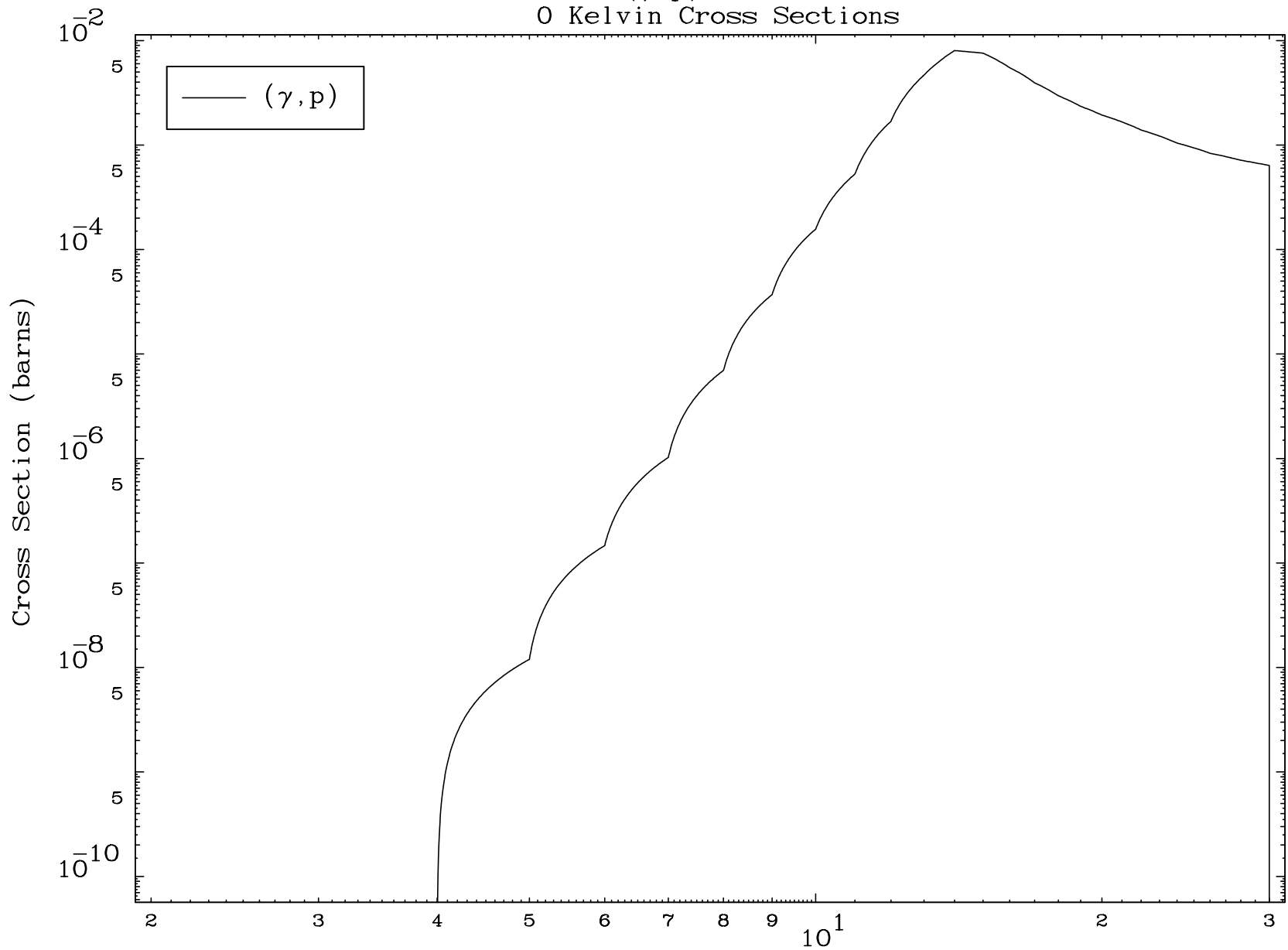




MAT 8289

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

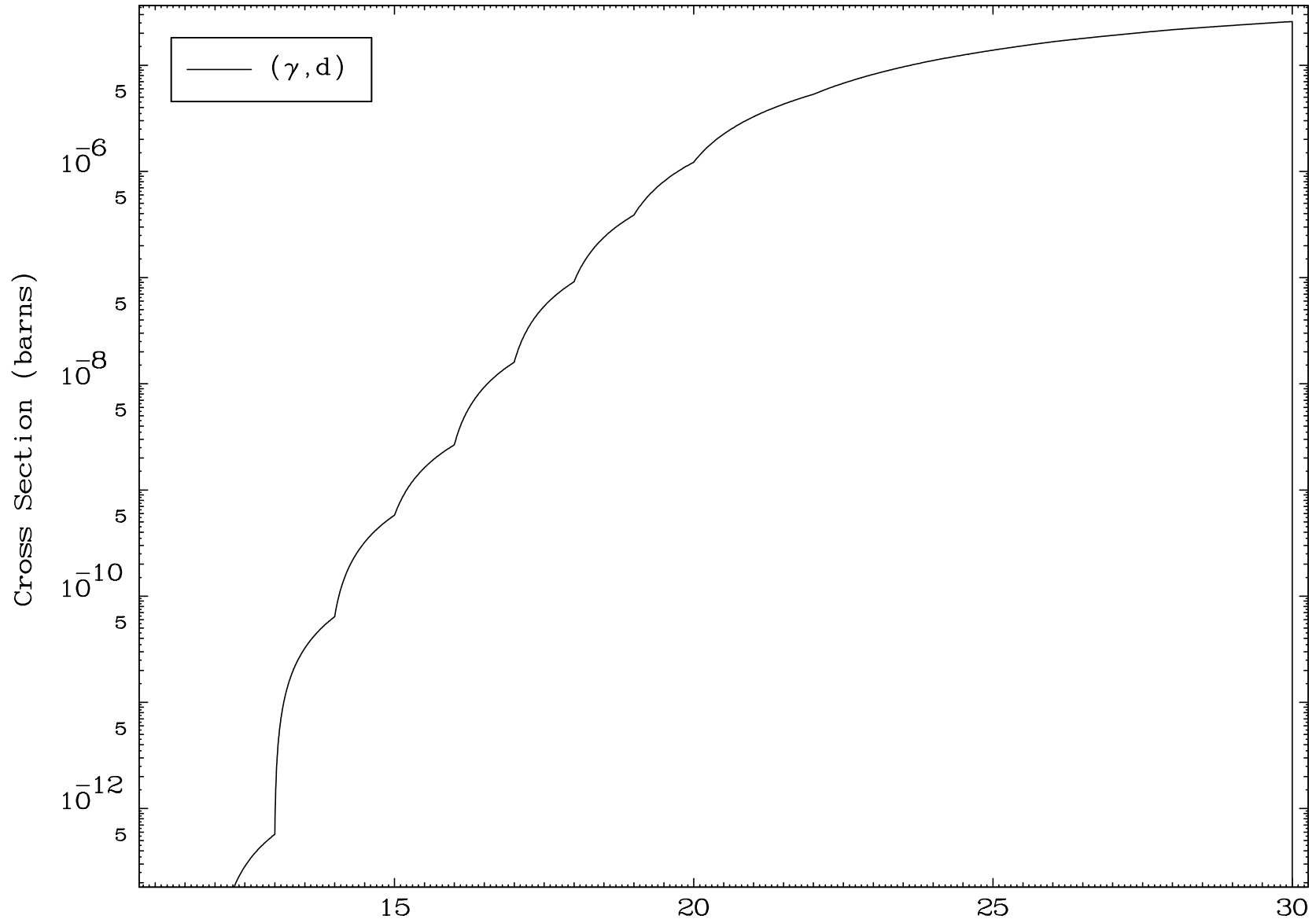
83-Bi-197

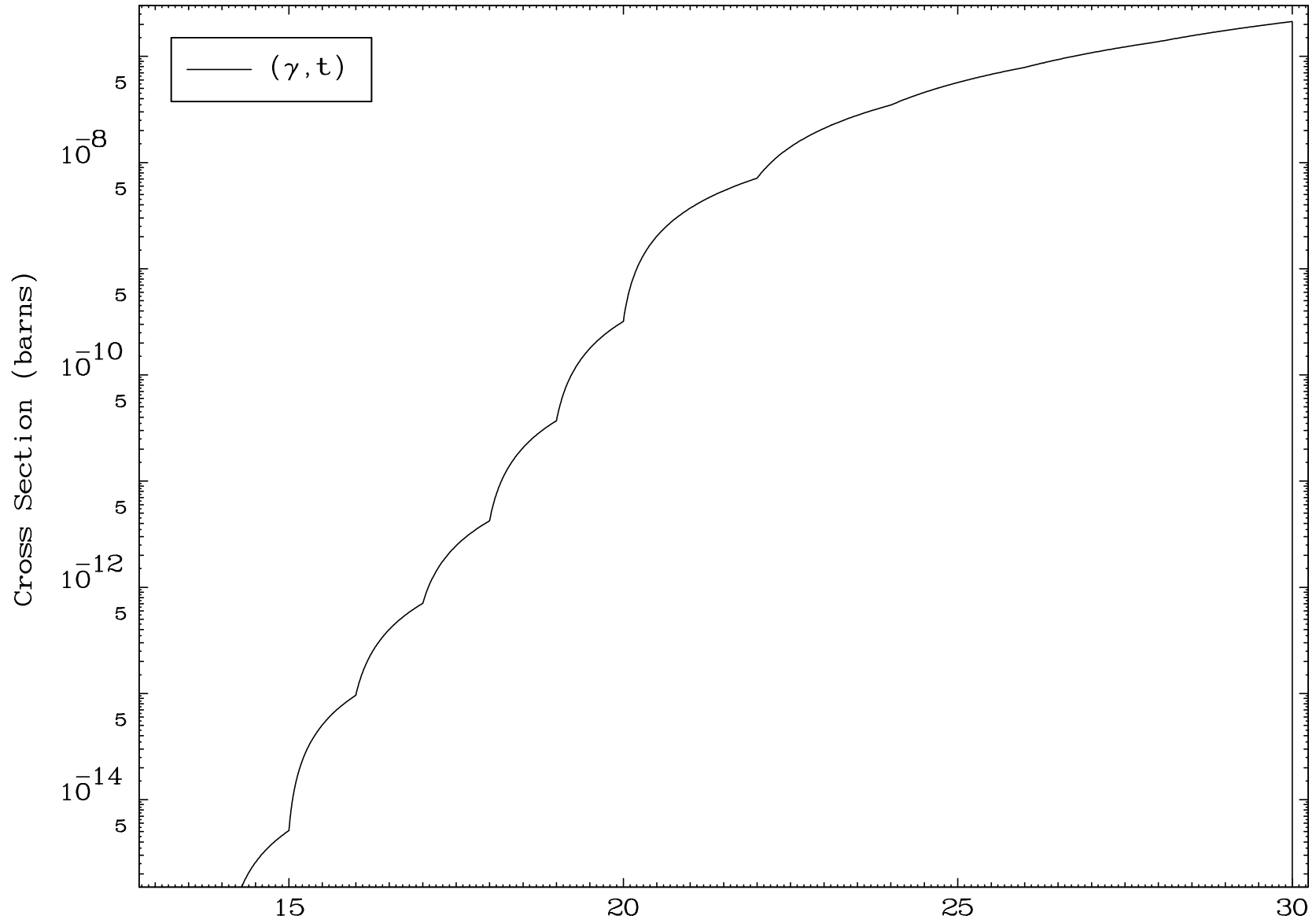


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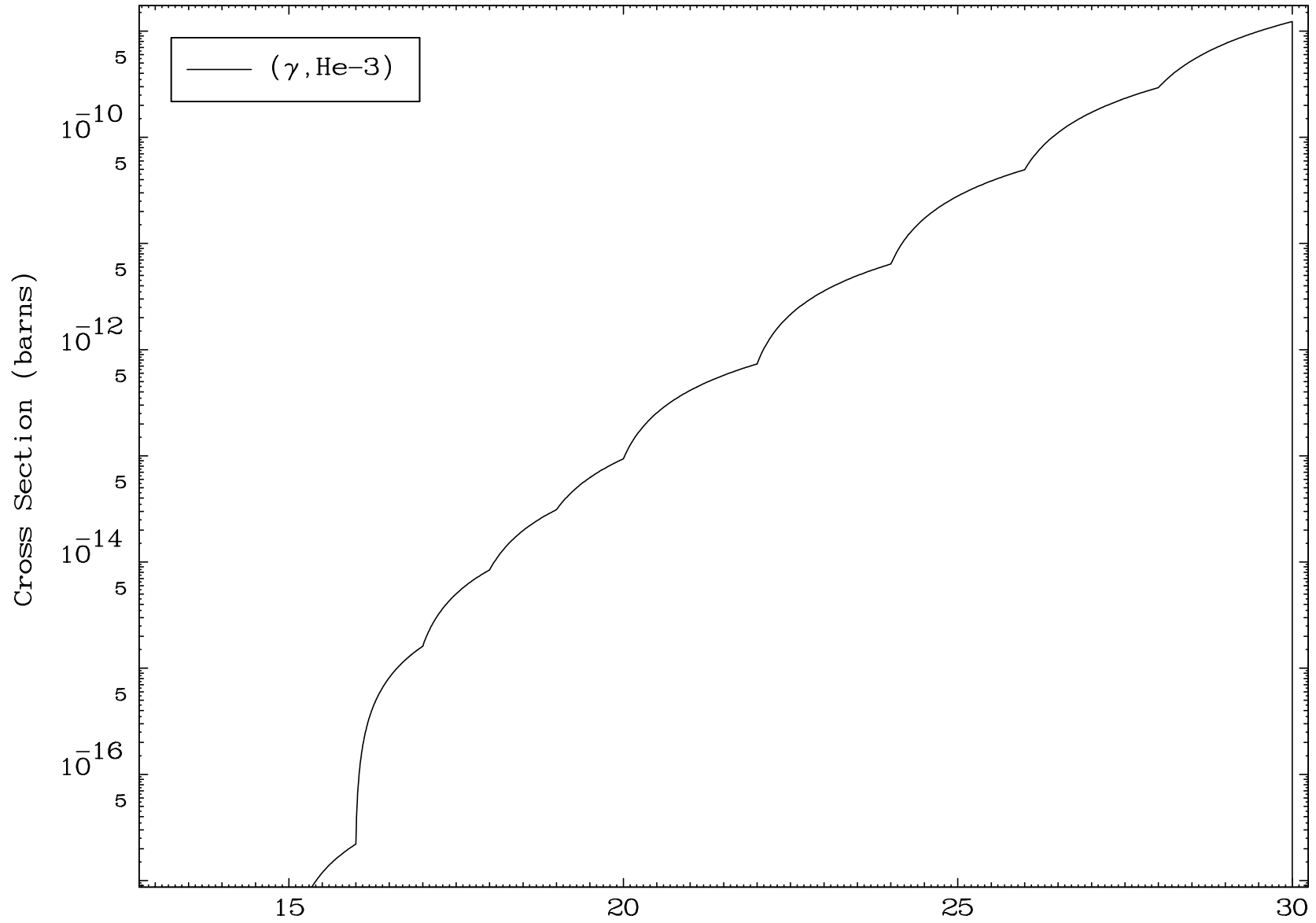
Incident Energy (MeV)

83-Bi-197





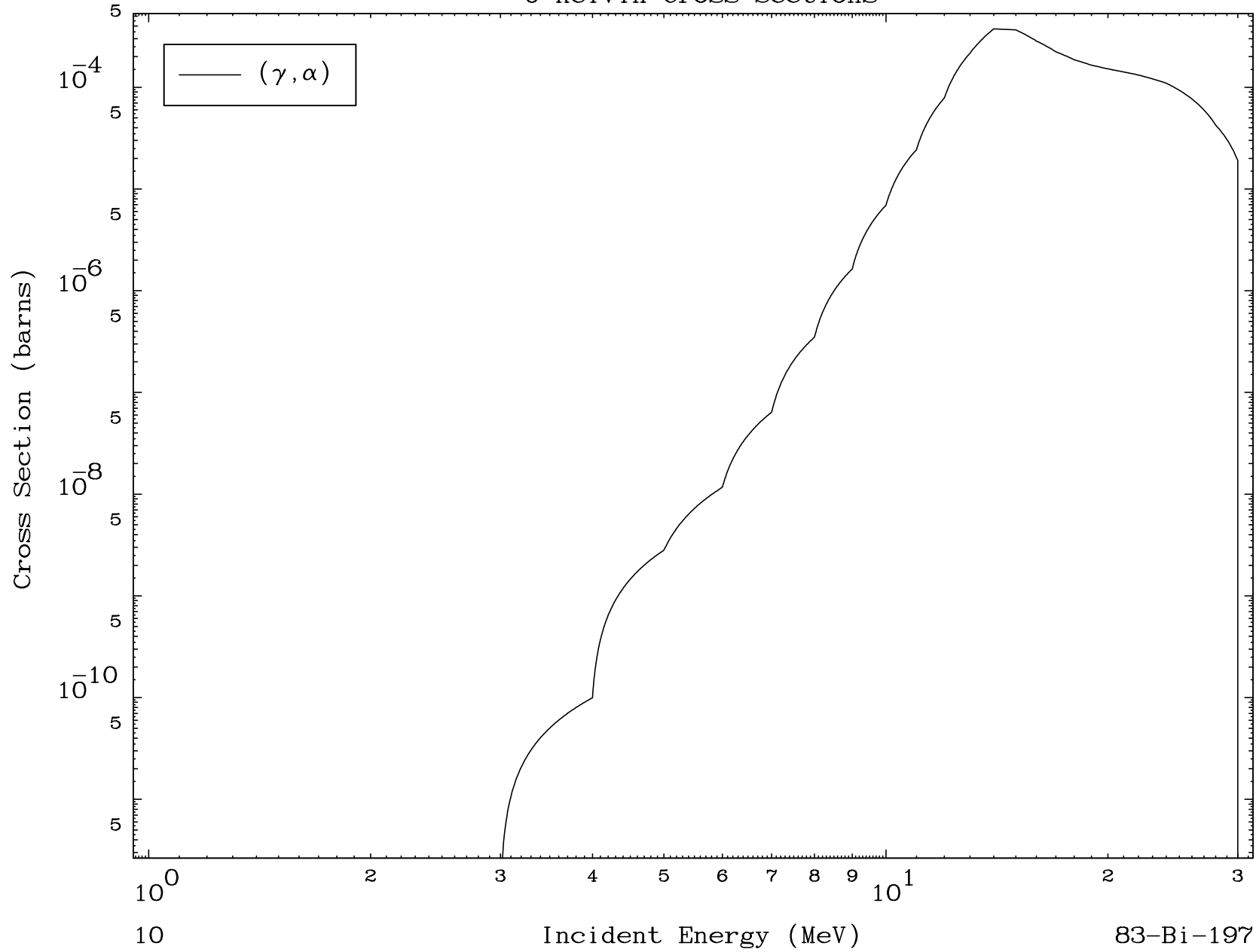




MAT 8289

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

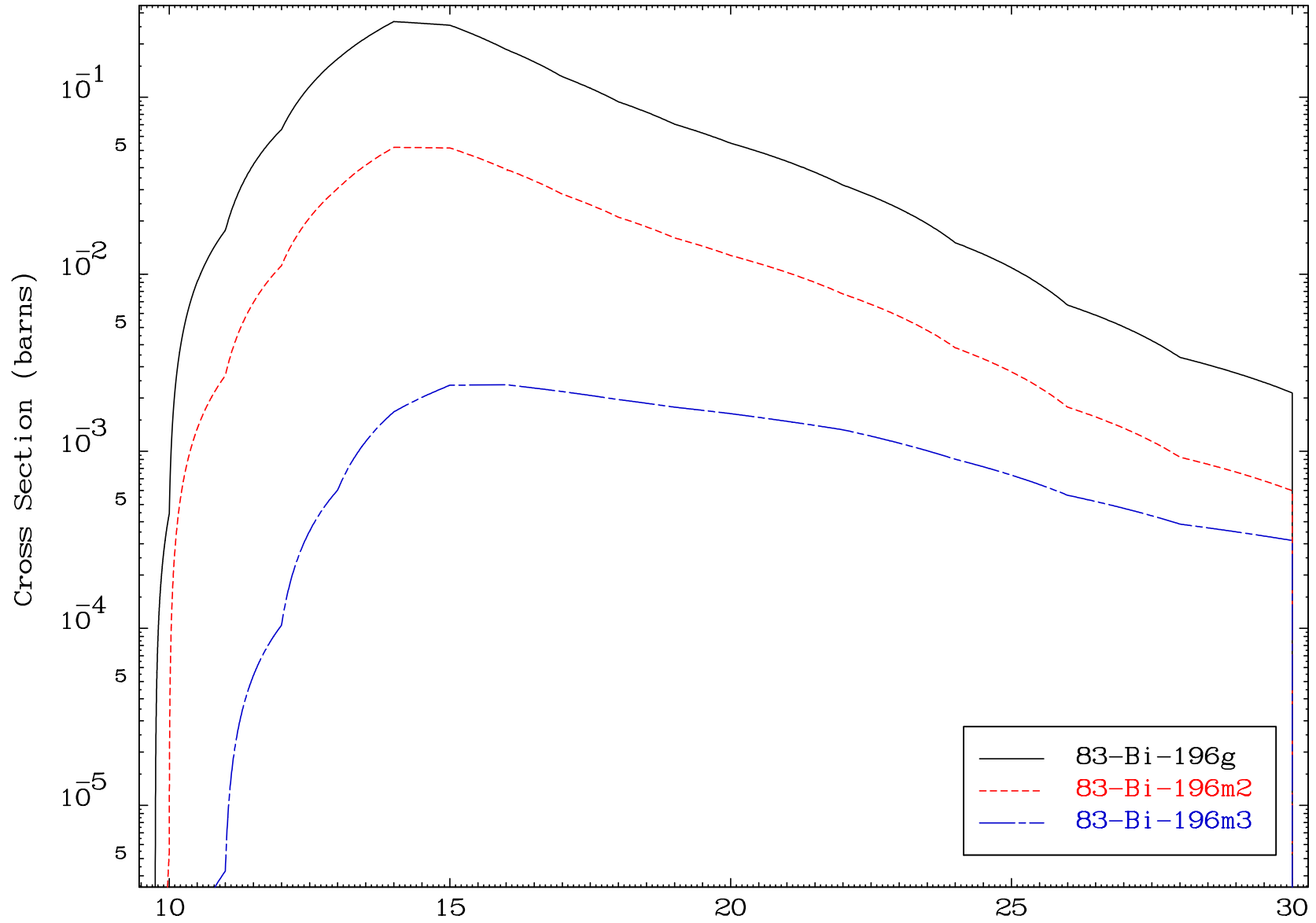
83-Bi-197



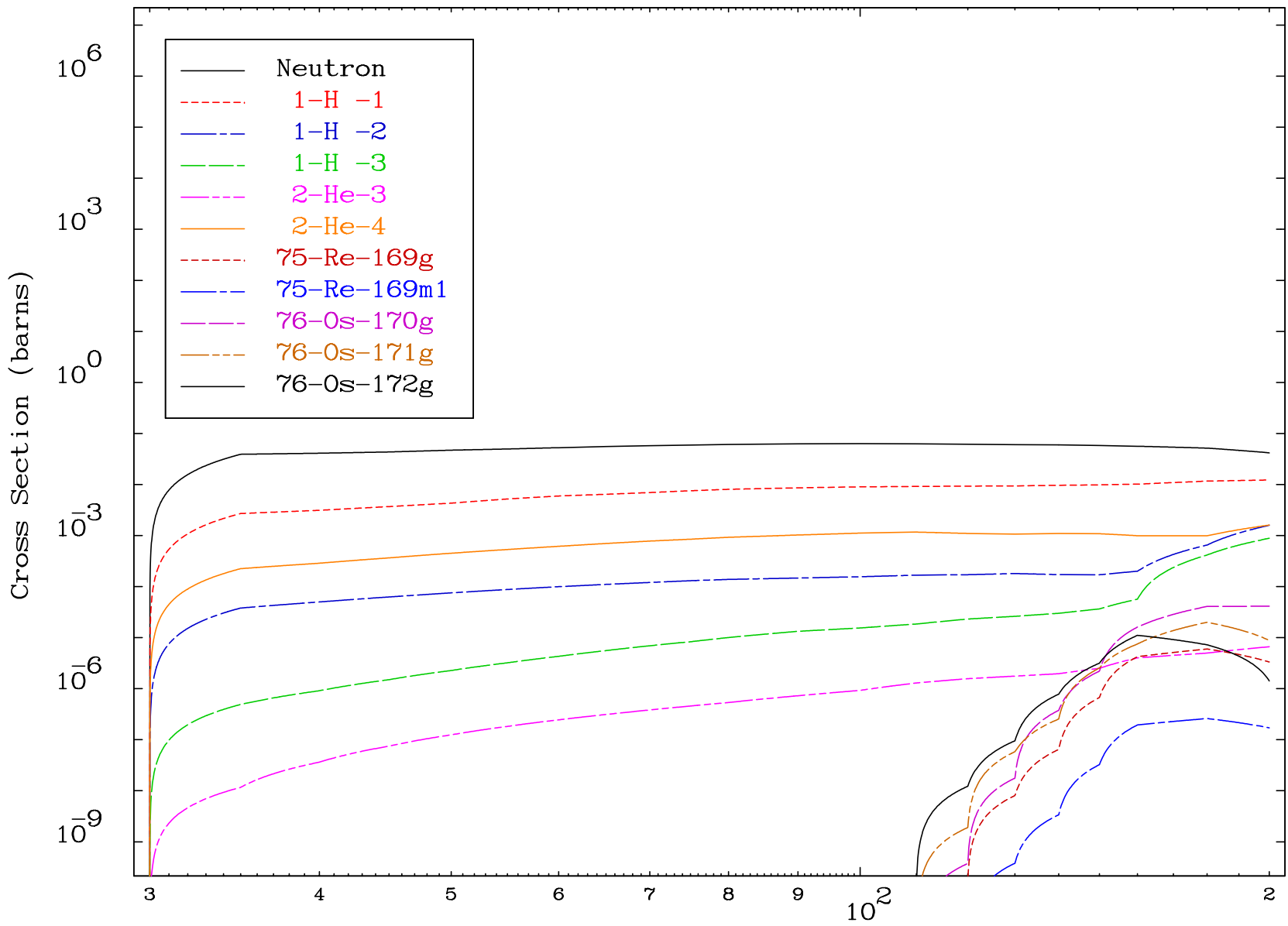
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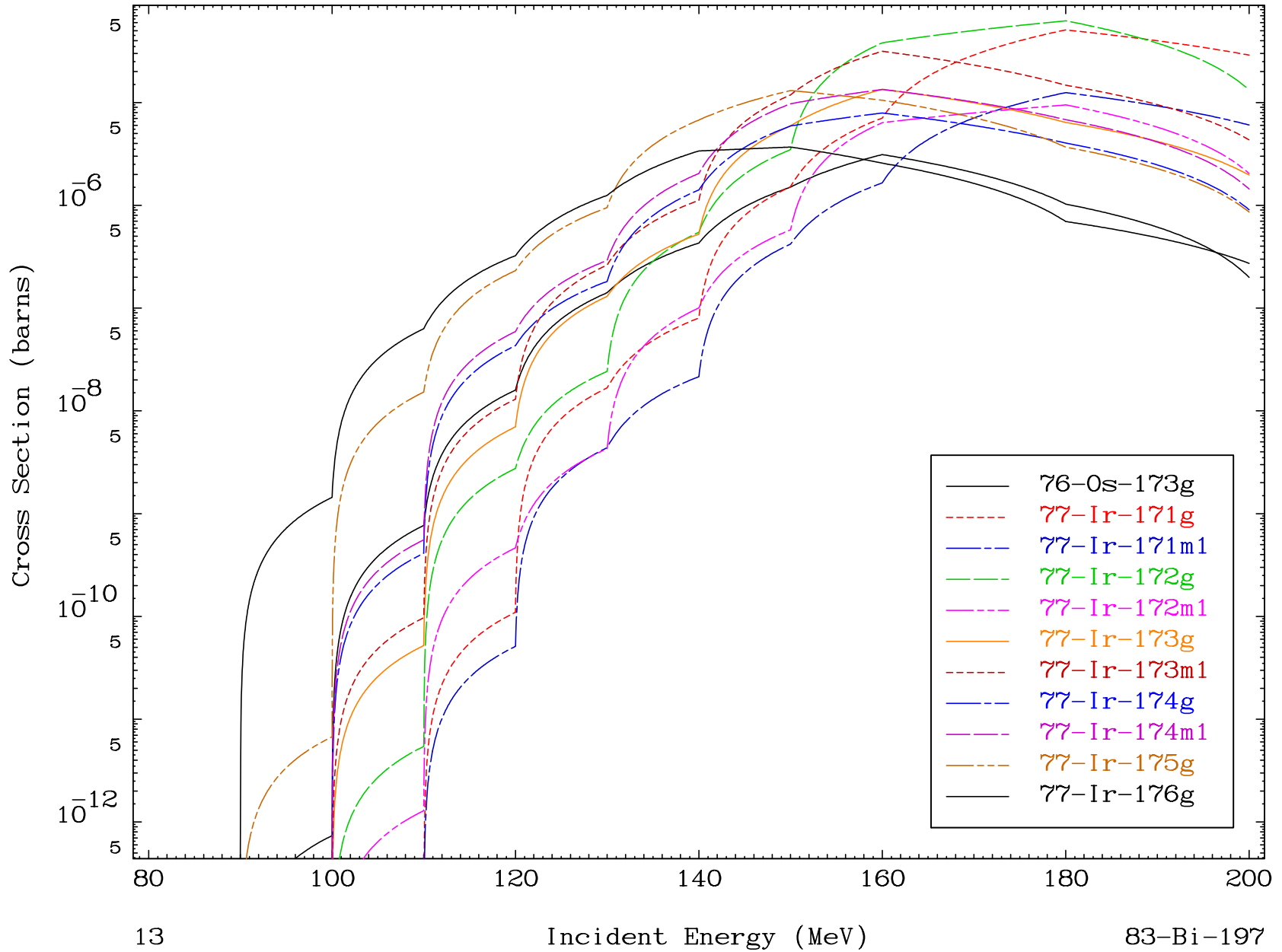
Incident Energy (MeV)

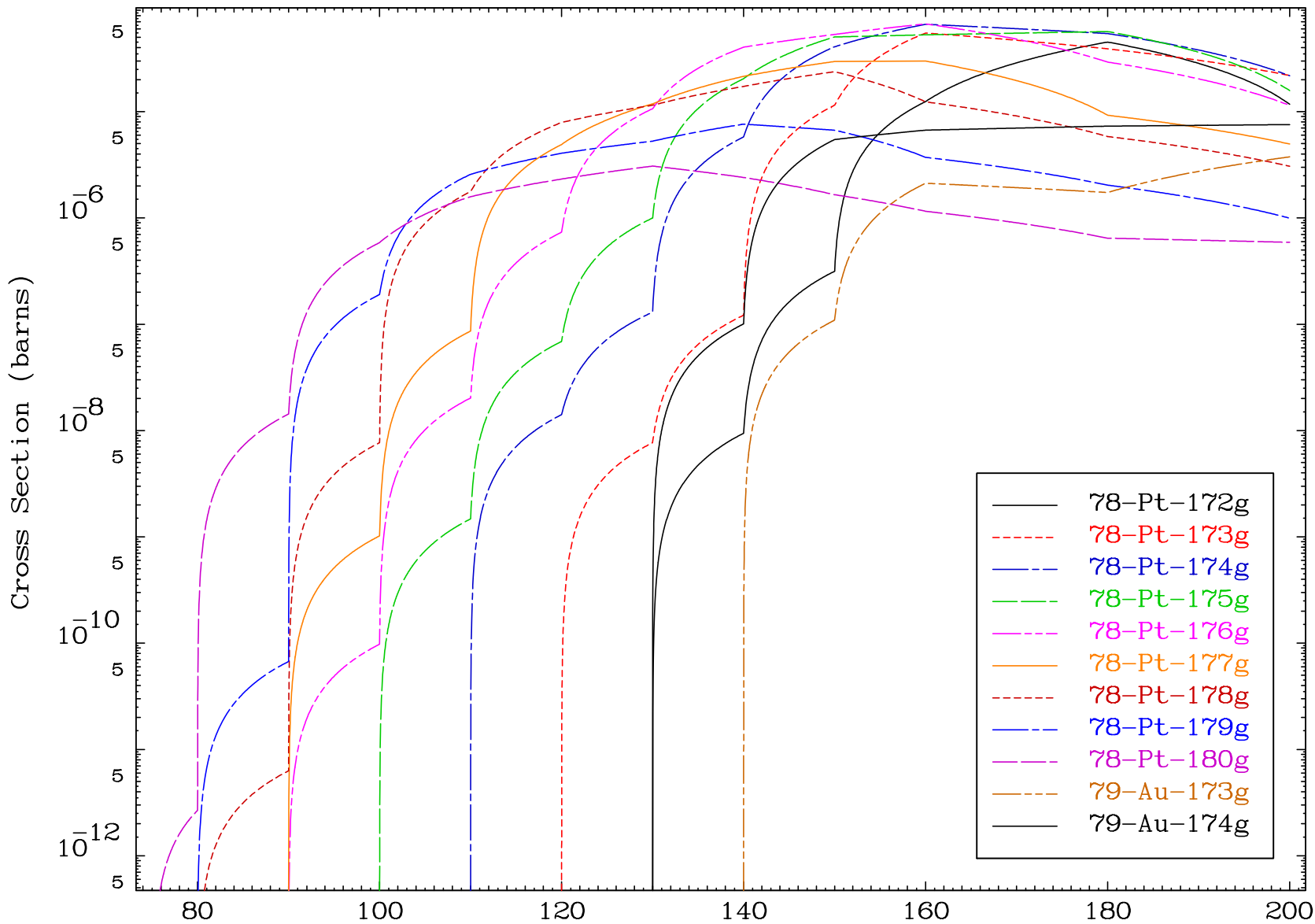
83-Bi-197



Radionuclide Production Cross Section





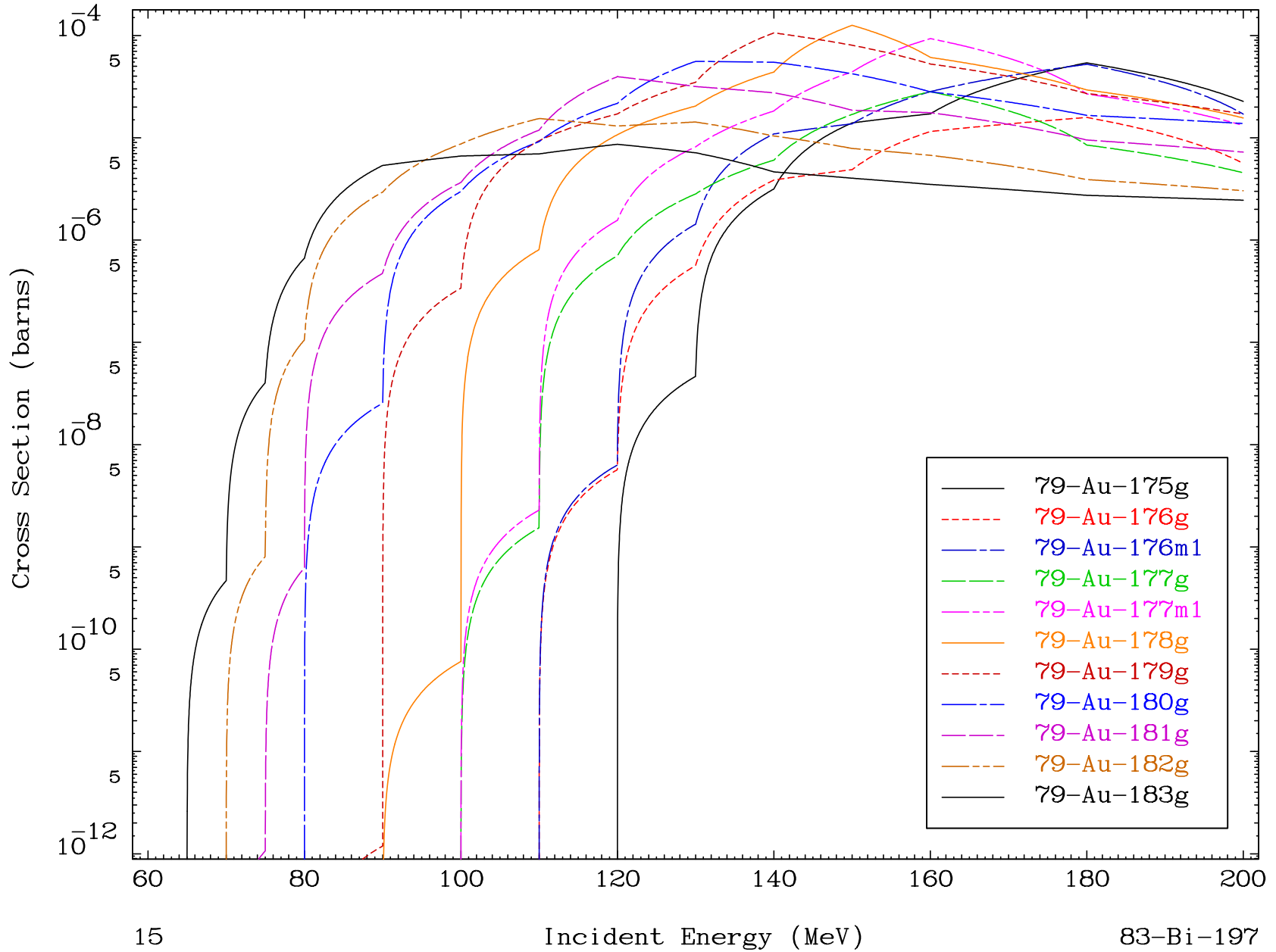


MAT 8289

( $\gamma$ , remainder)

83-Bi-197

Radionuclide Production Cross Section

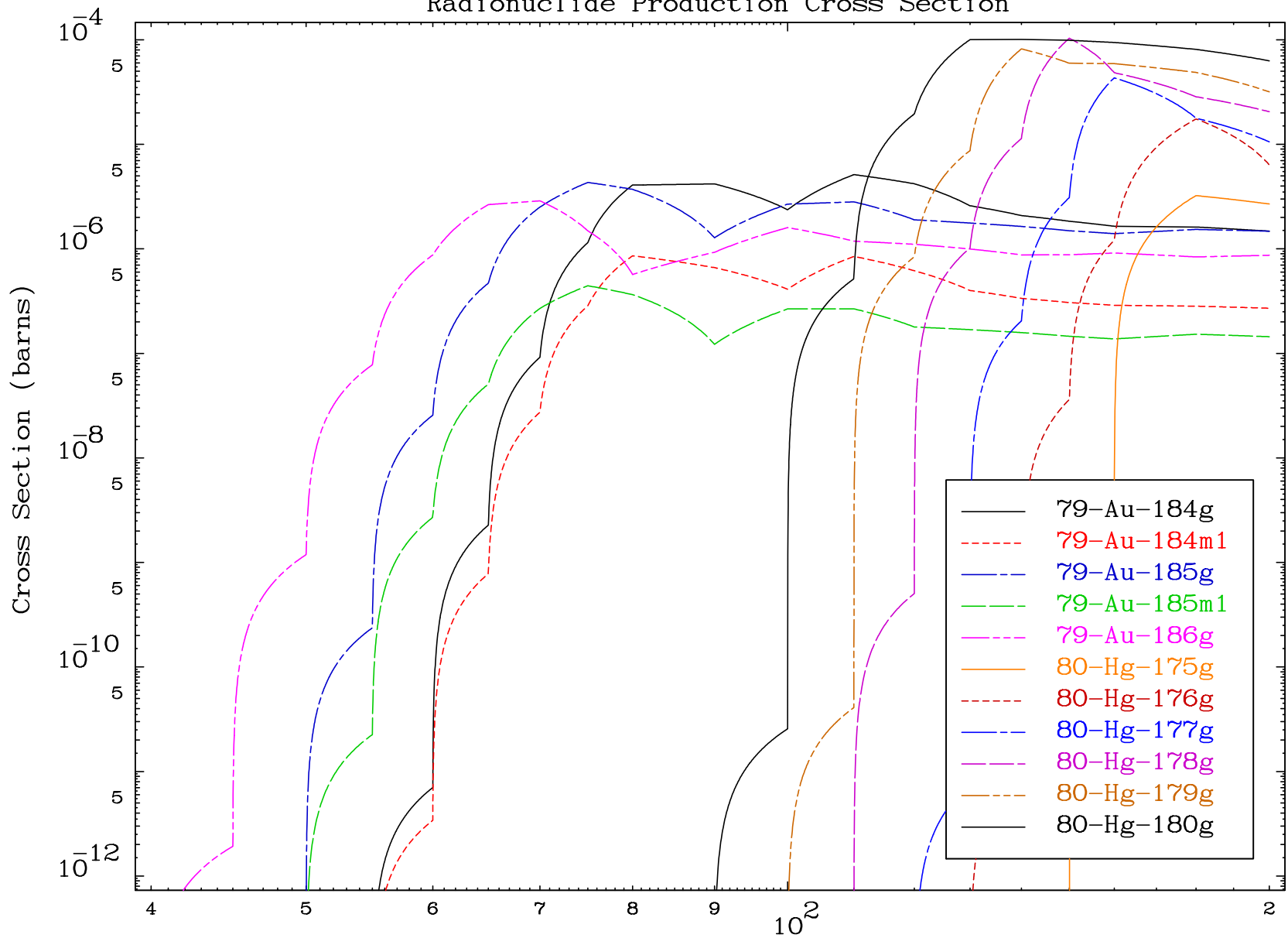


MAT 8289

( $\gamma$ , remainder)

83-Bi-197

### Radionuclide Production Cross Section

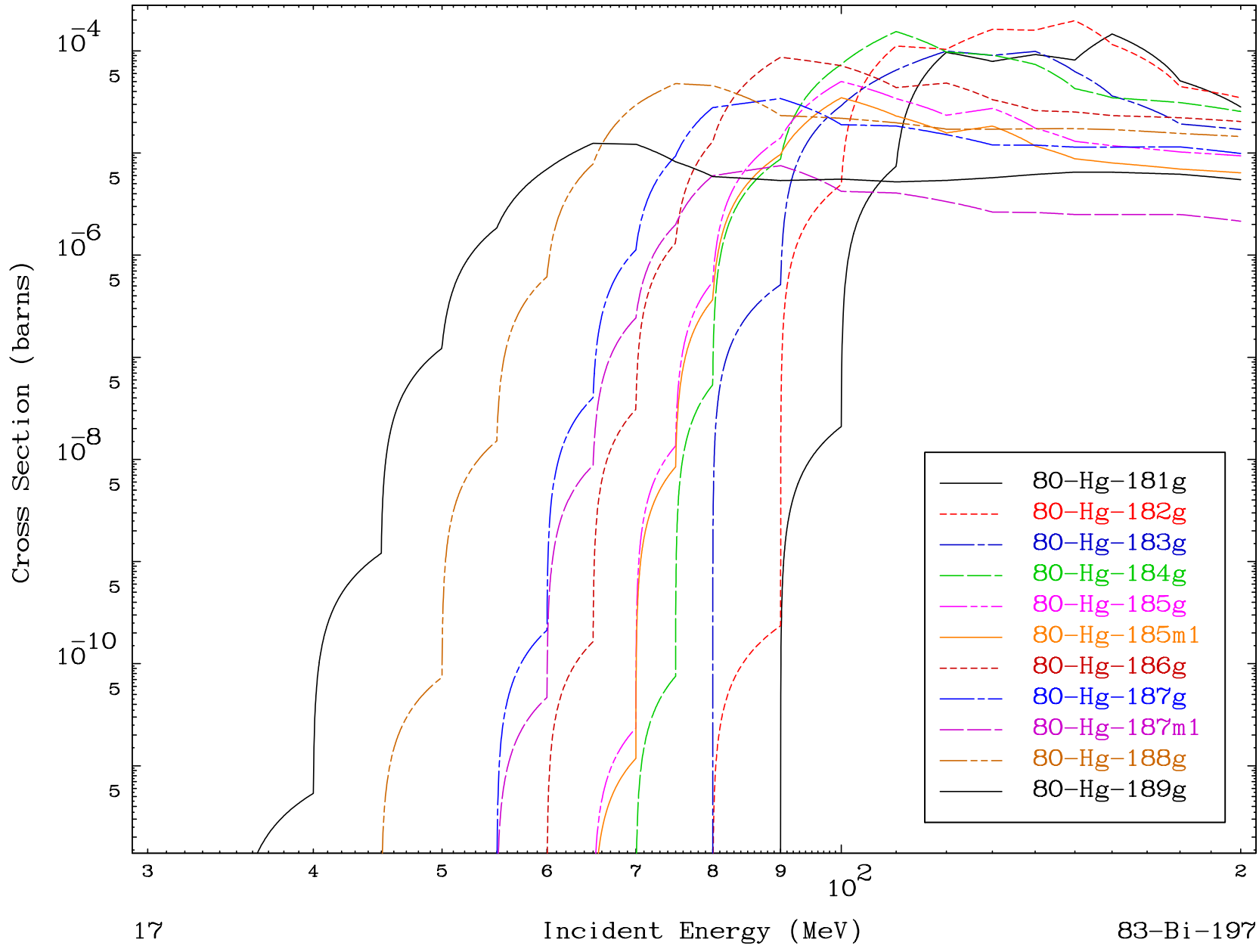


16

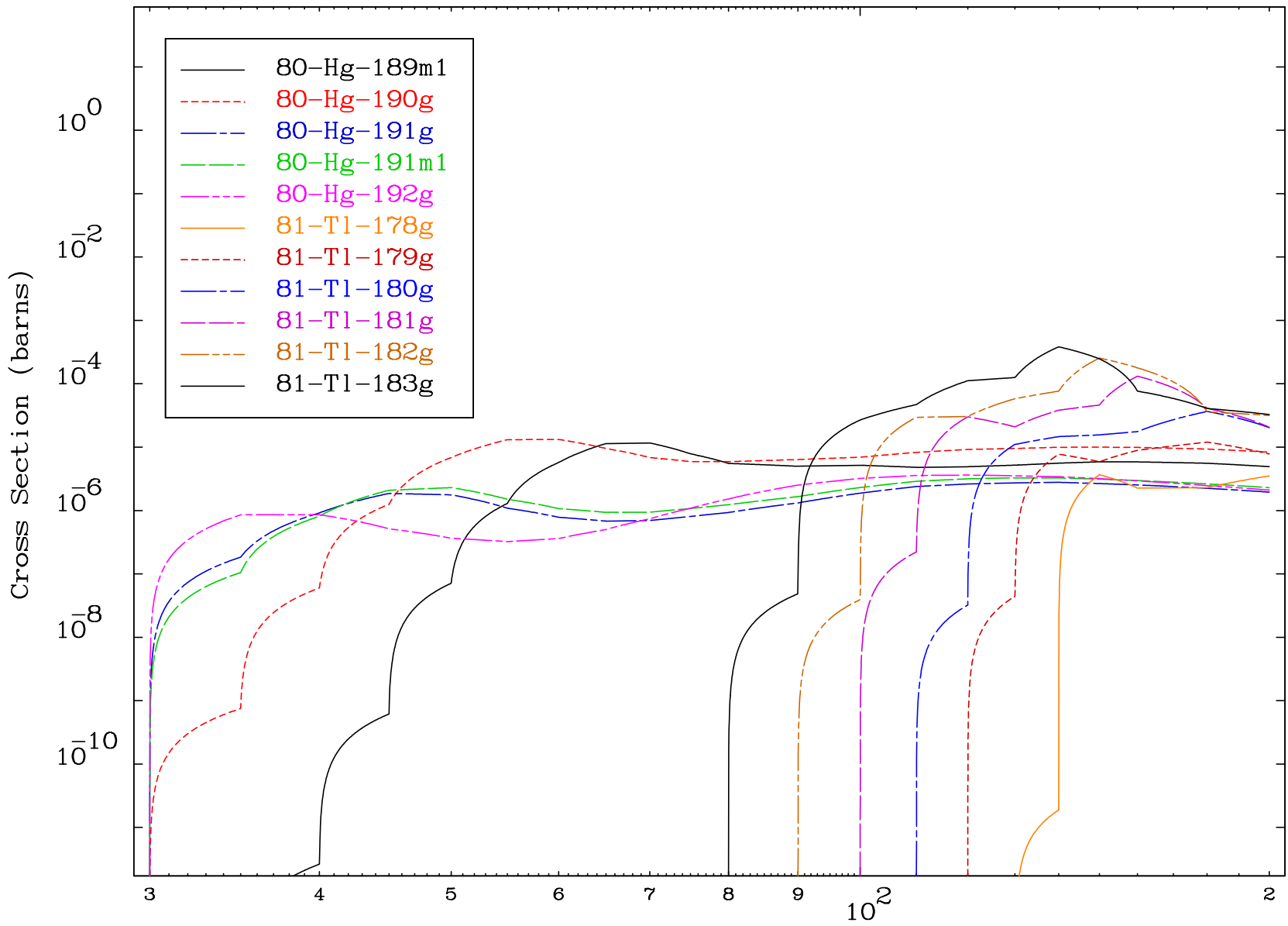
Incident Energy (MeV)

83-Bi-197





Radionuclide Production Cross Section

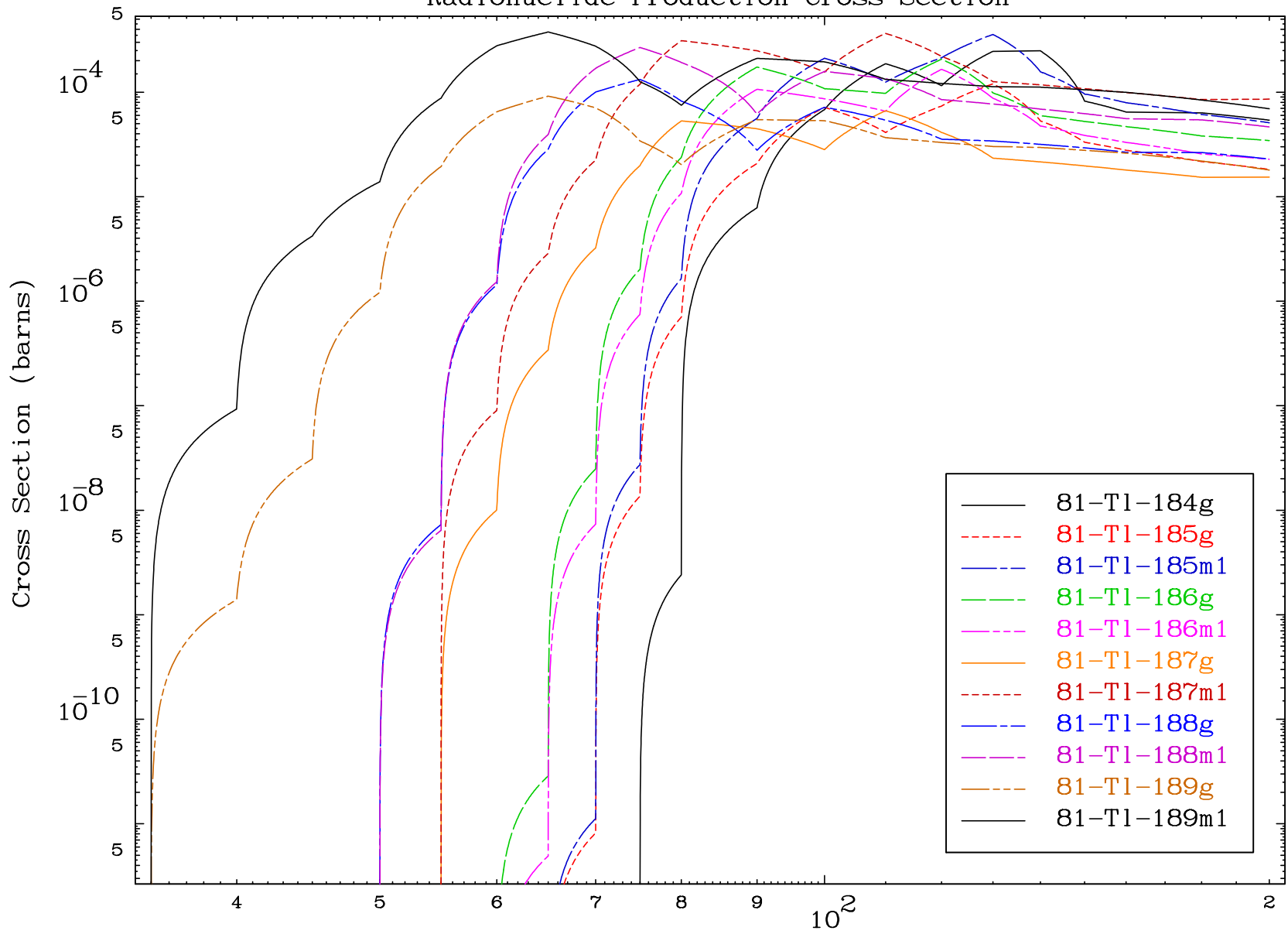


MAT 8289

( $\gamma$ , remainder)

83-Bi-197

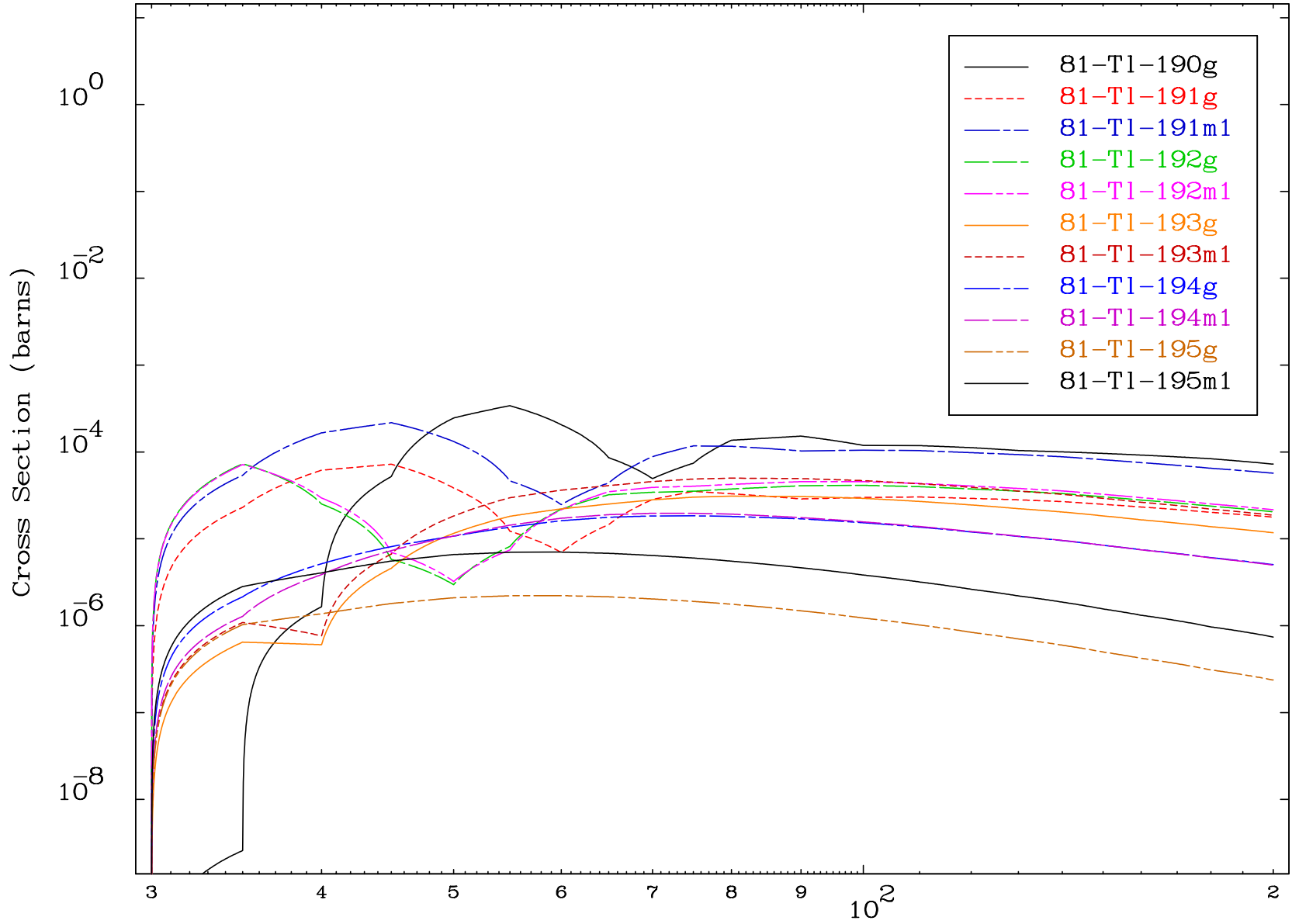
### Radionuclide Production Cross Section



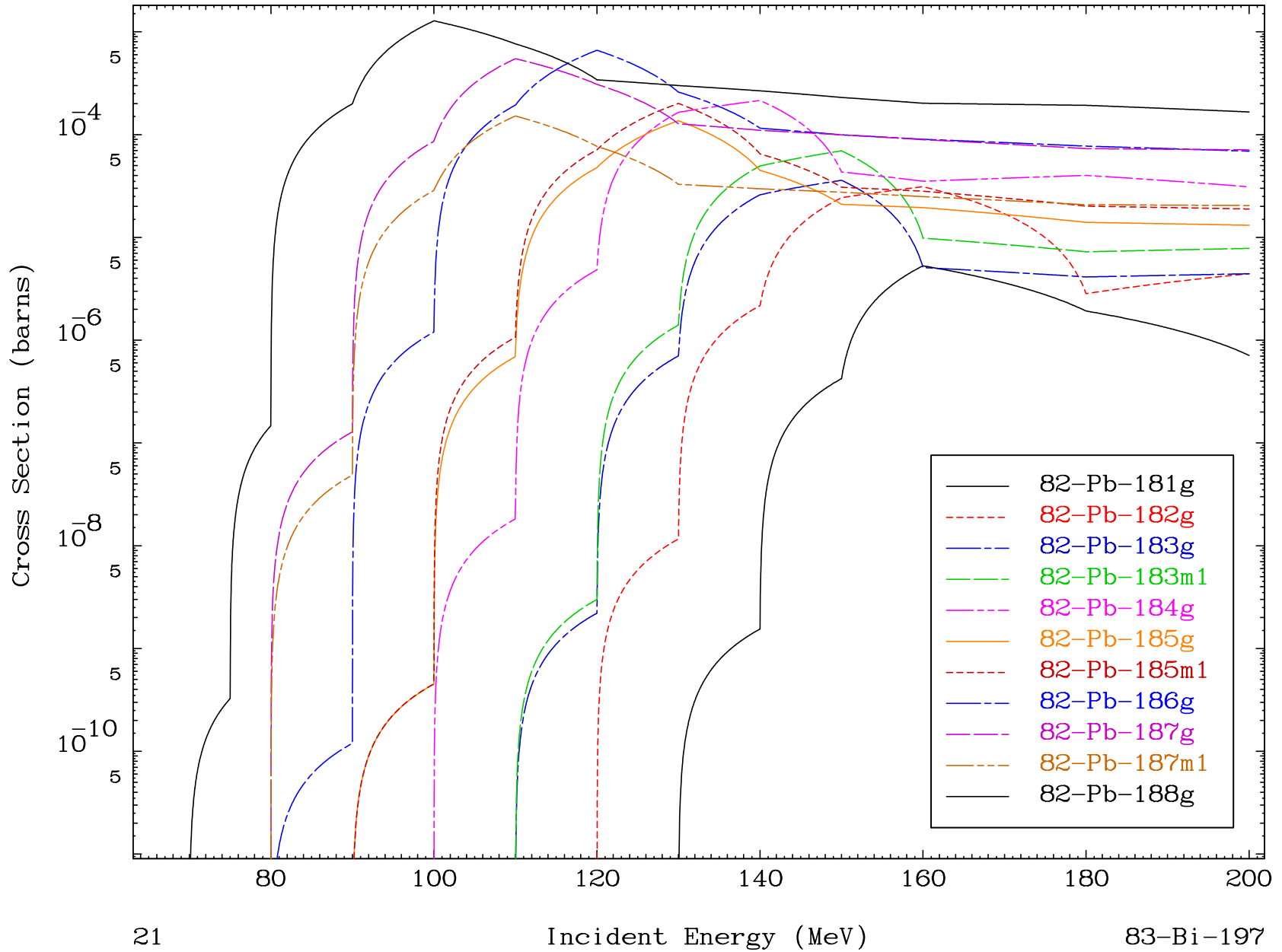
19

Incident Energy (MeV)

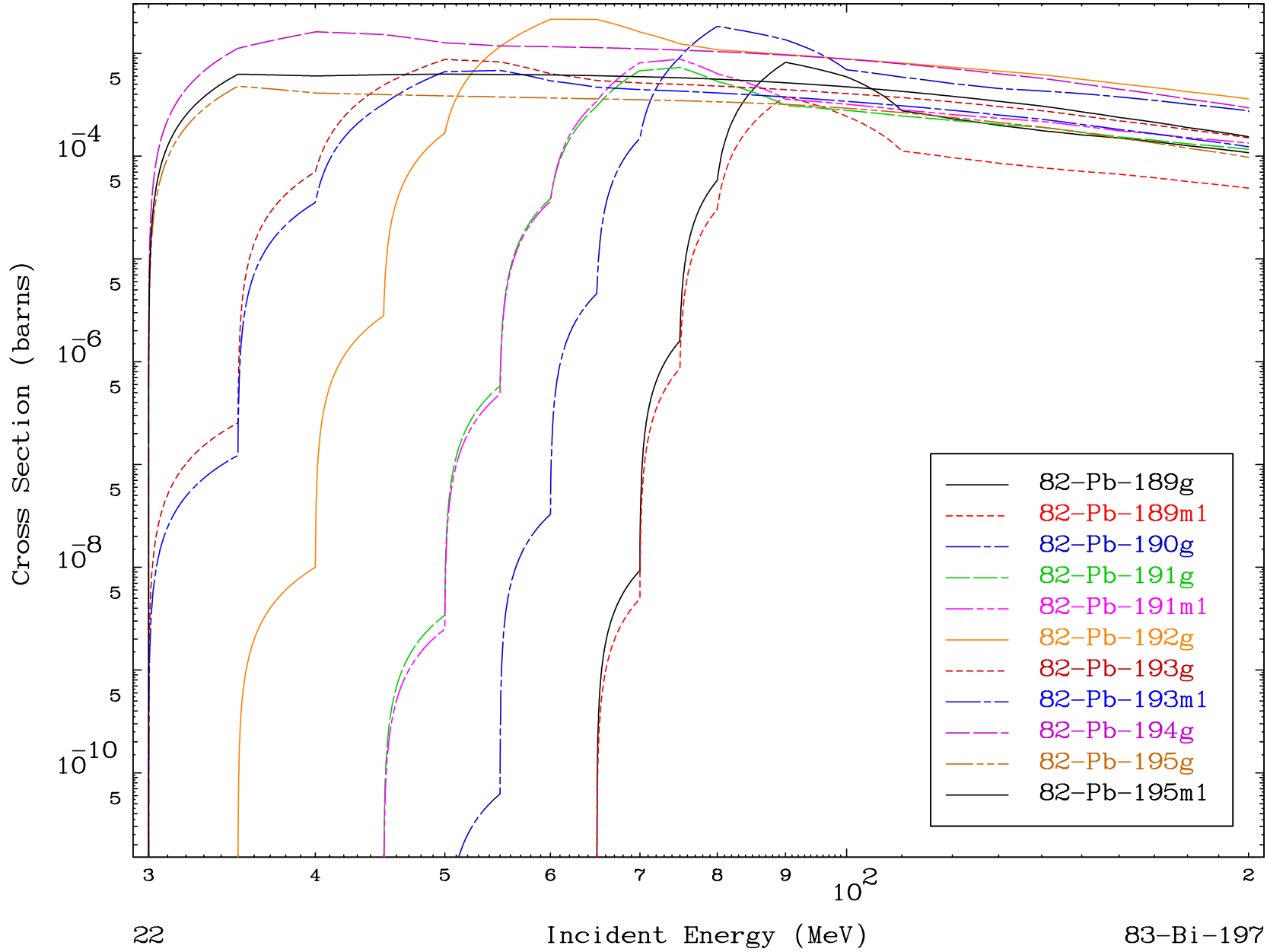
83-Bi-197



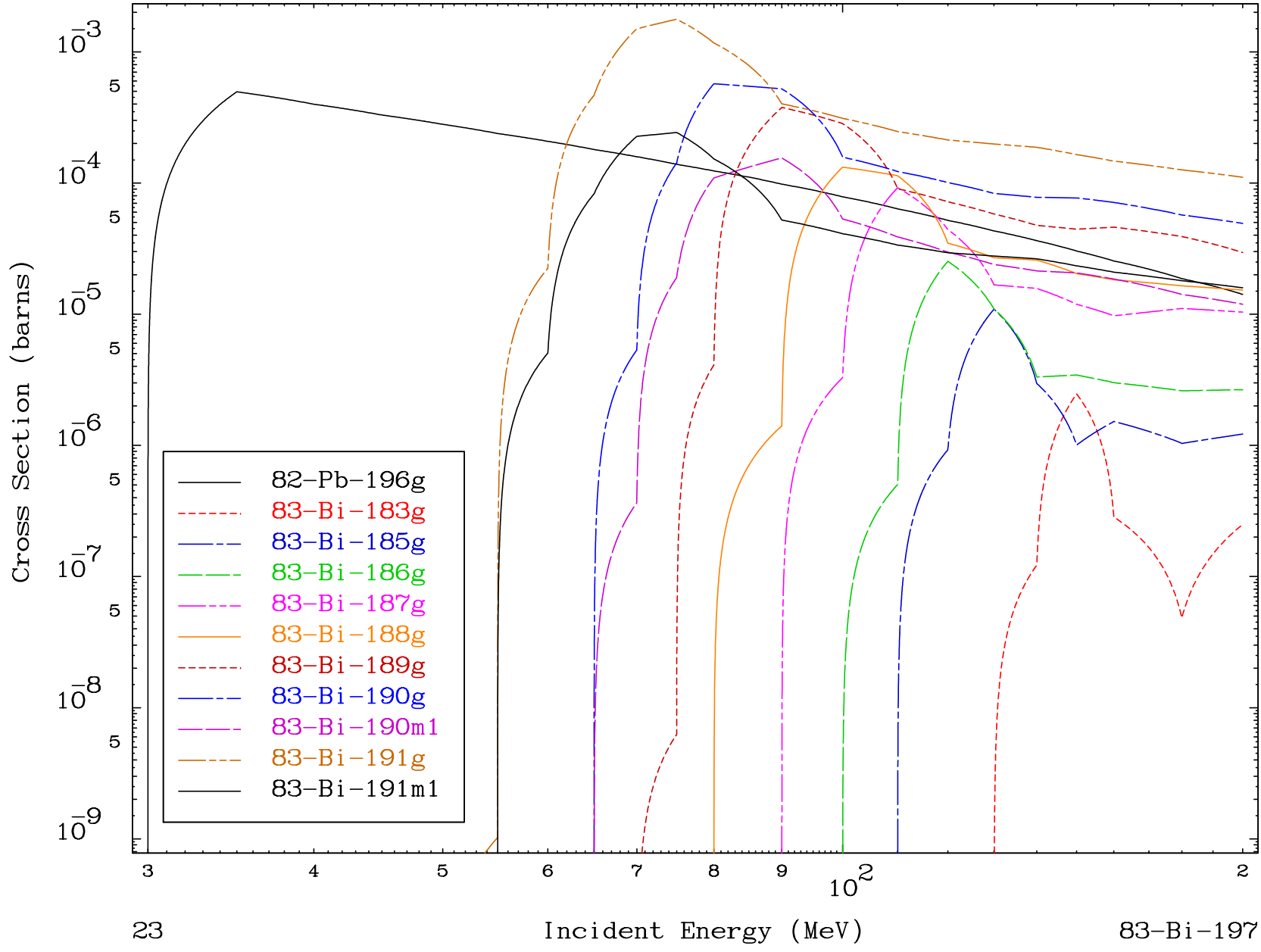
Radionuclide Production Cross Section

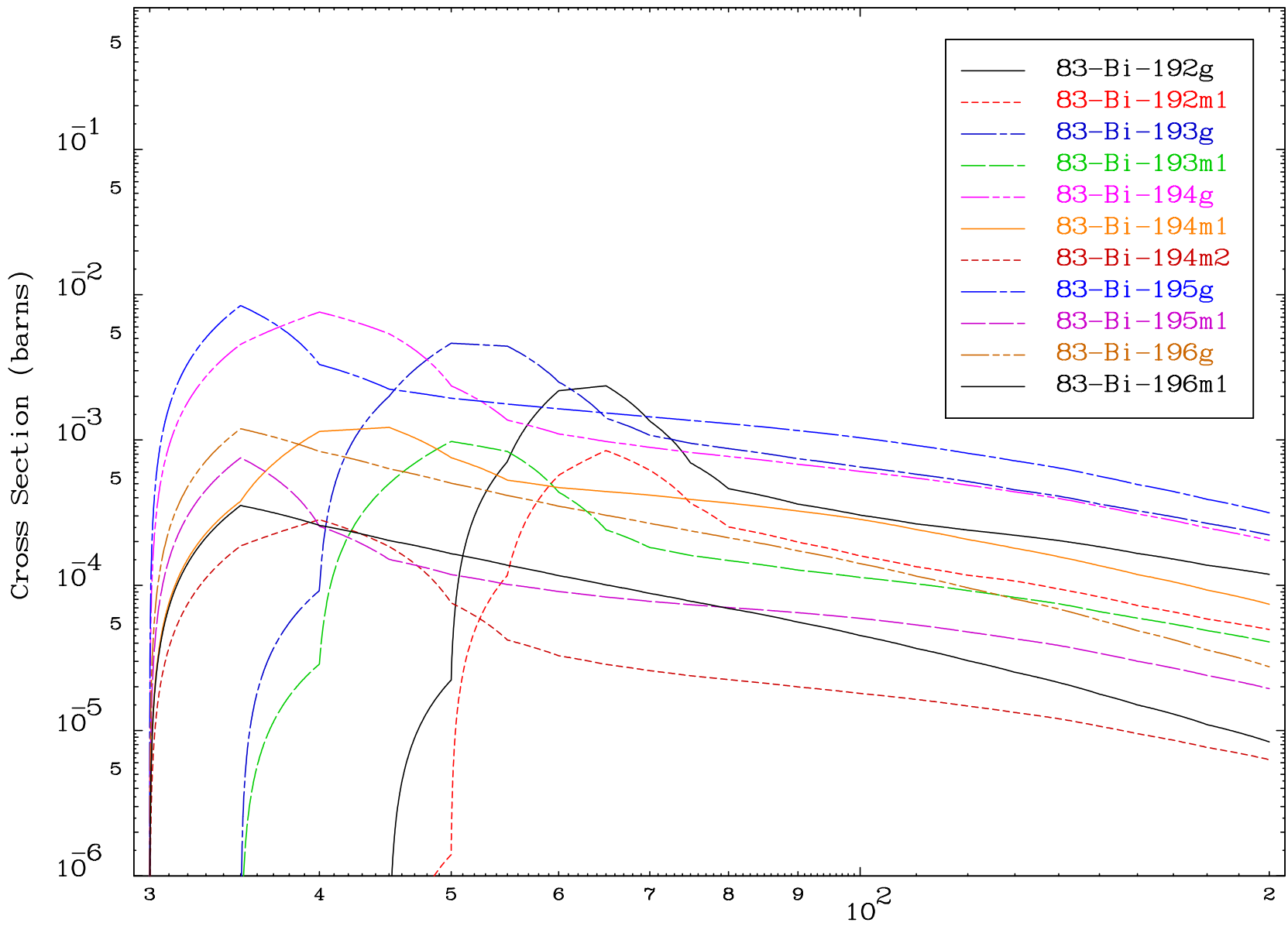


Radionuclide Production Cross Section



Radionuclide Production Cross Section





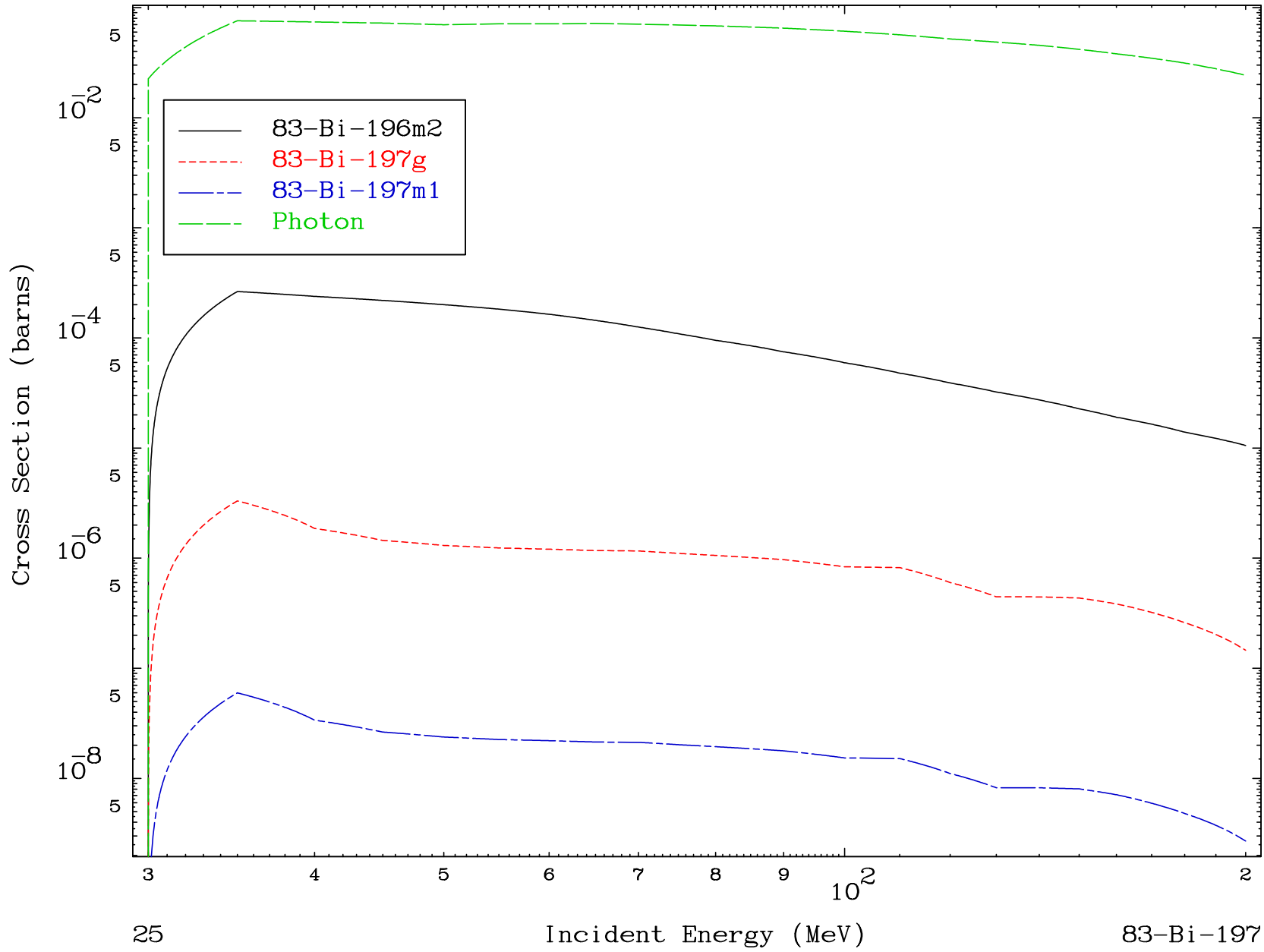


MAT 8289

( $\gamma$ , remainder)

83-Bi-197

Radionuclide Production Cross Section

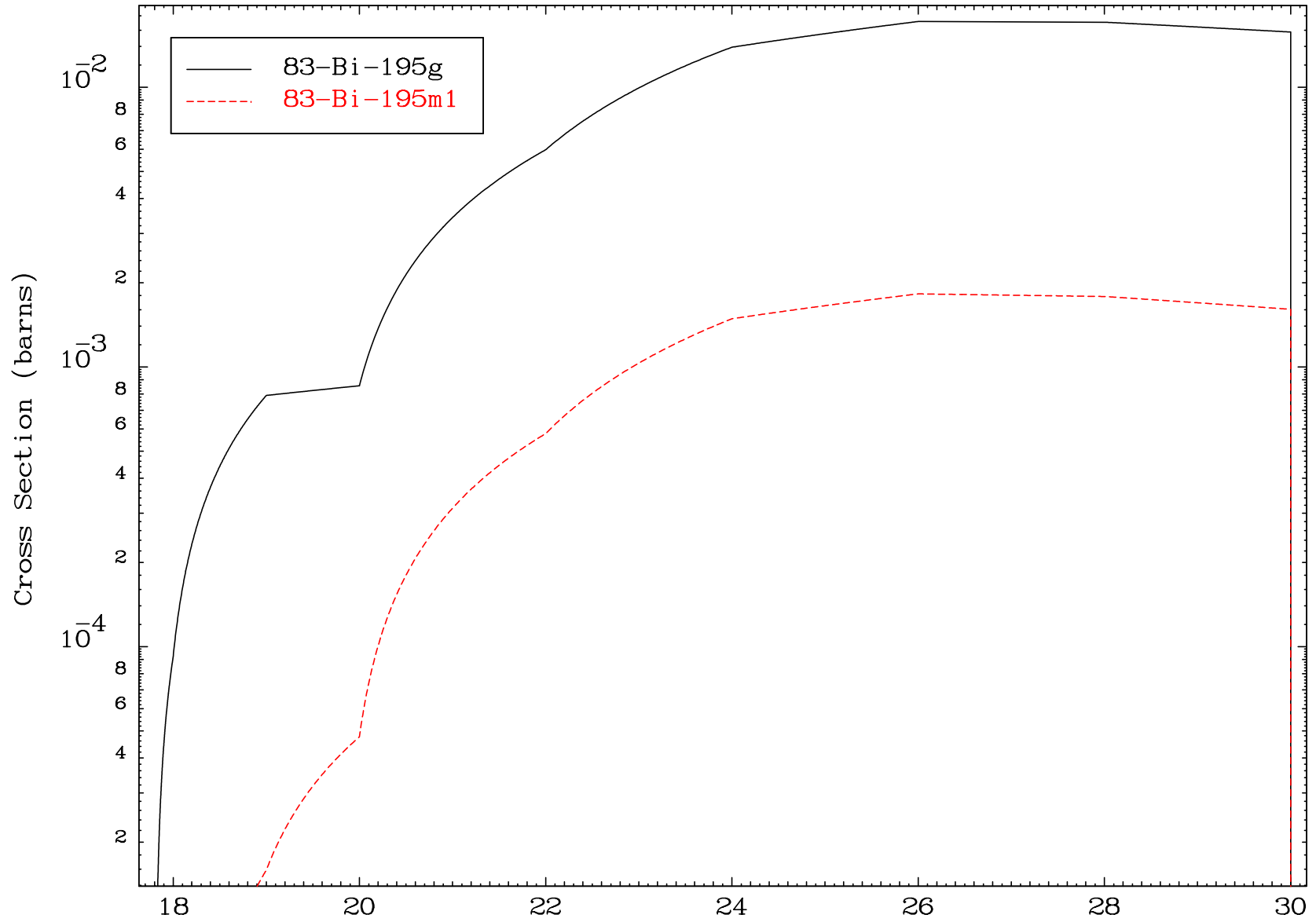


25

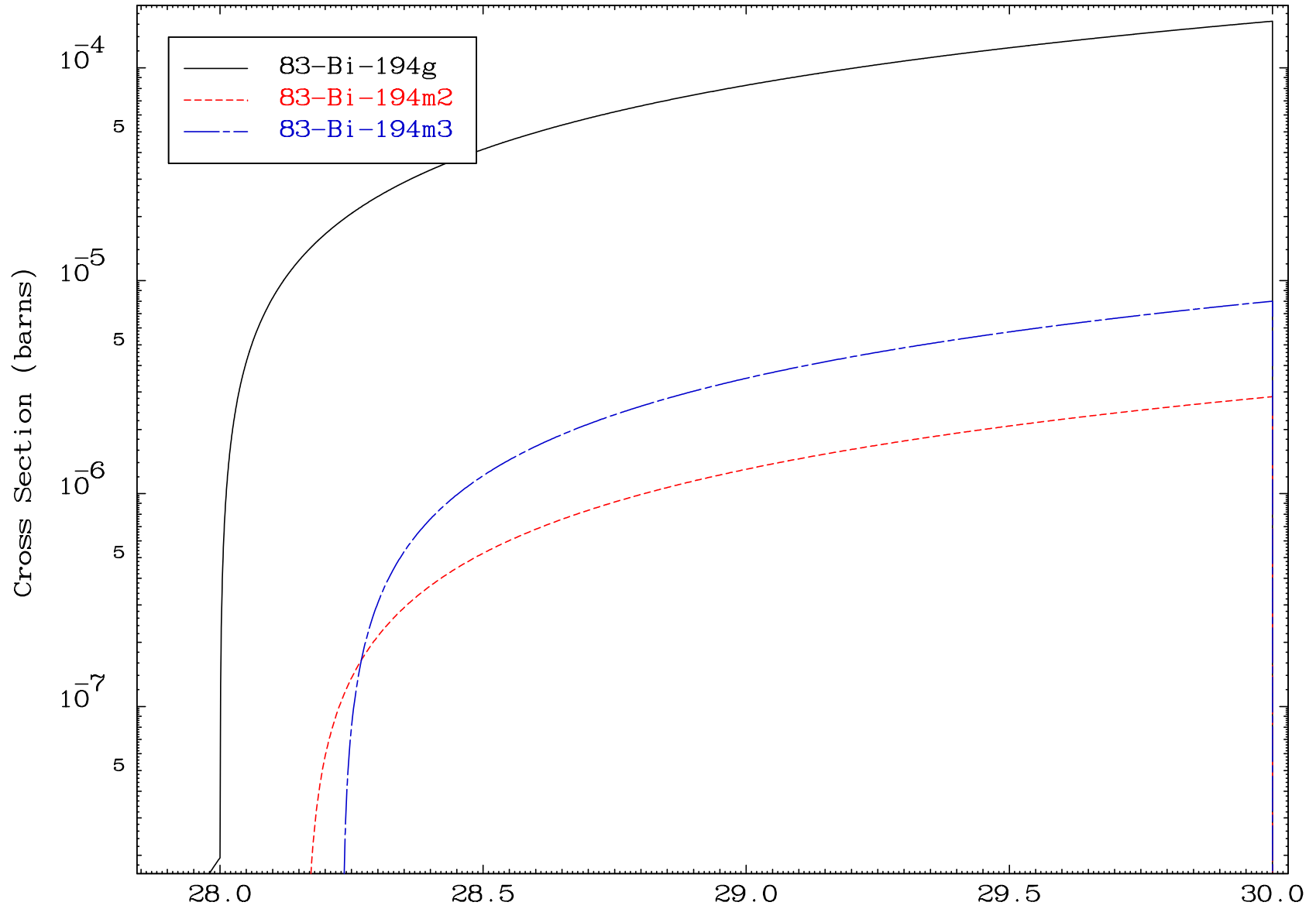
Incident Energy (MeV)

83-Bi-197

Radionuclide Production Cross Section



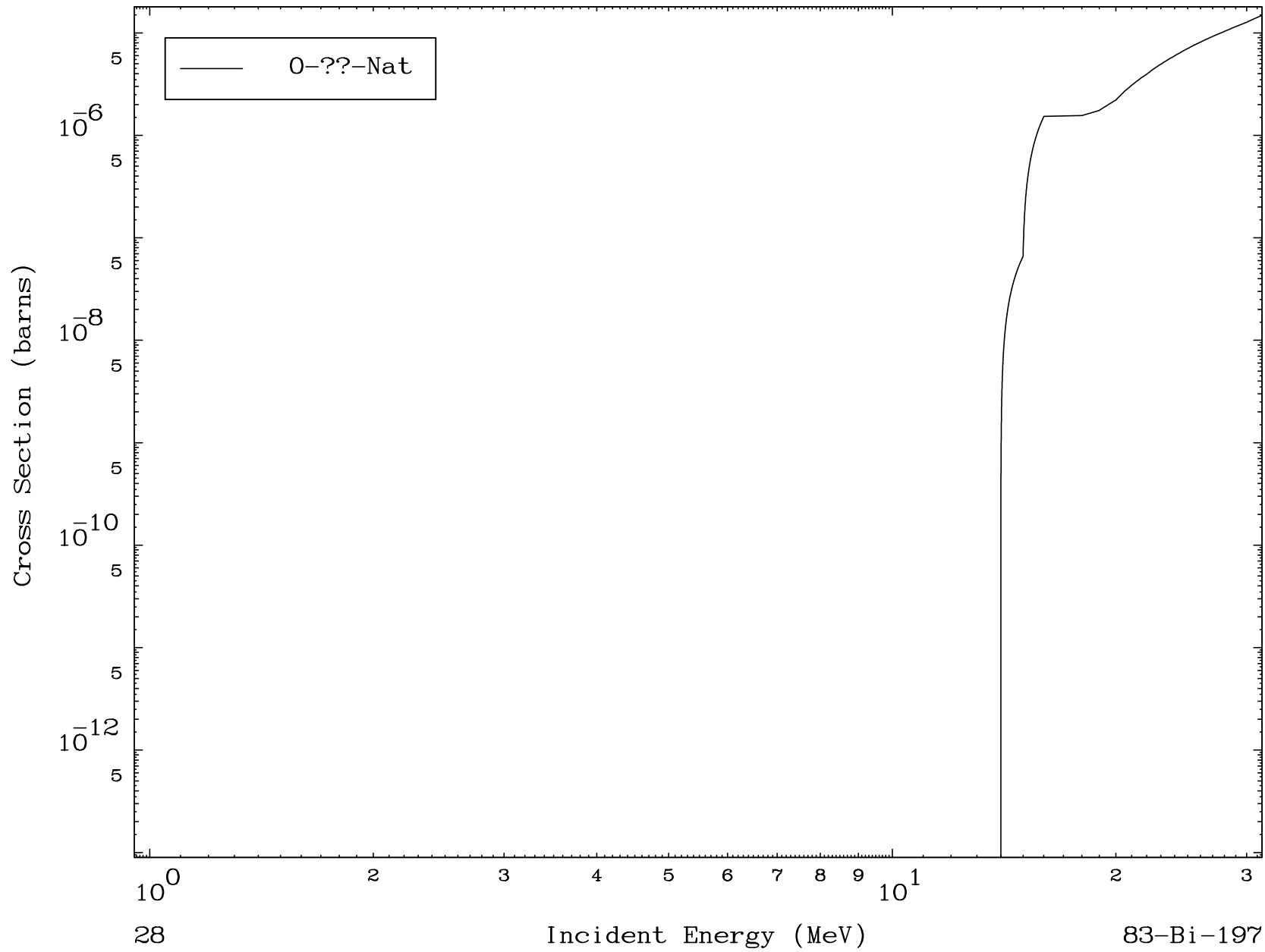
Radionuclide Production Cross Section



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Photon Fission  
Radionuclide Production Cross Section

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Incident Energy (MeV)

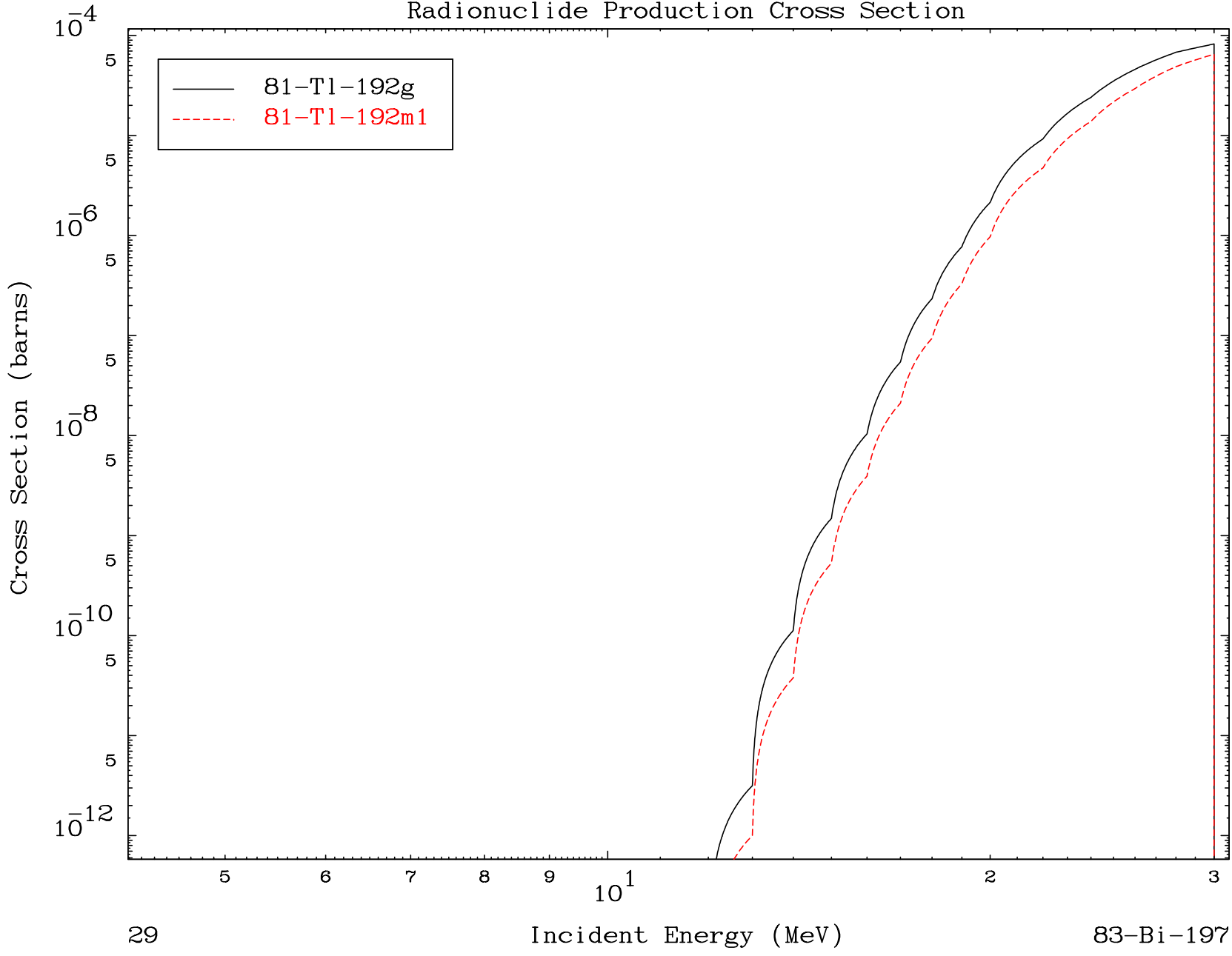
83-Bi-197

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( $\gamma, n'$ )  $\alpha$

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Radionuclide Production Cross Section

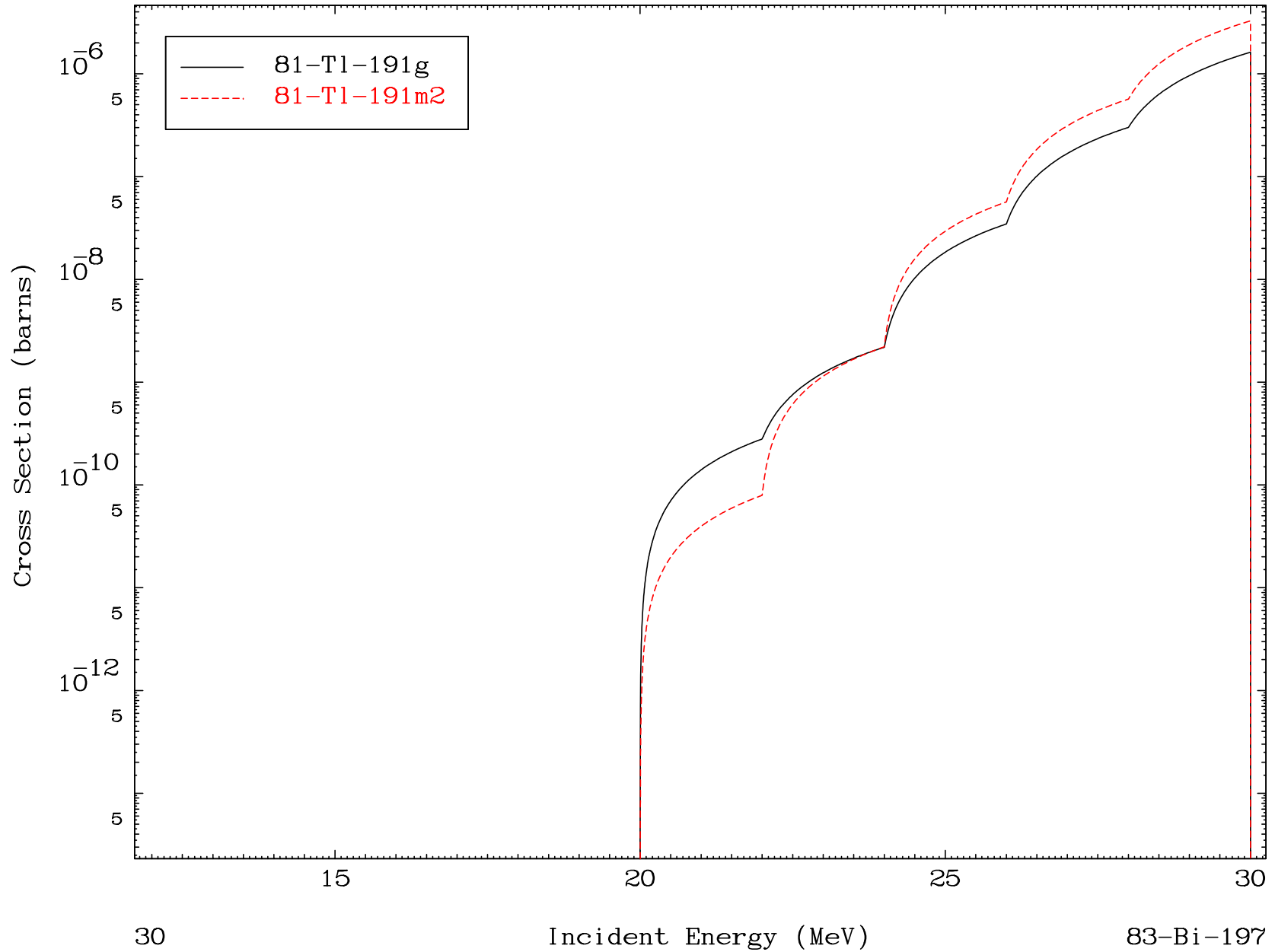


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$(\gamma, 2n) \alpha$

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Radionuclide Production Cross Section



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Incident Energy (MeV)

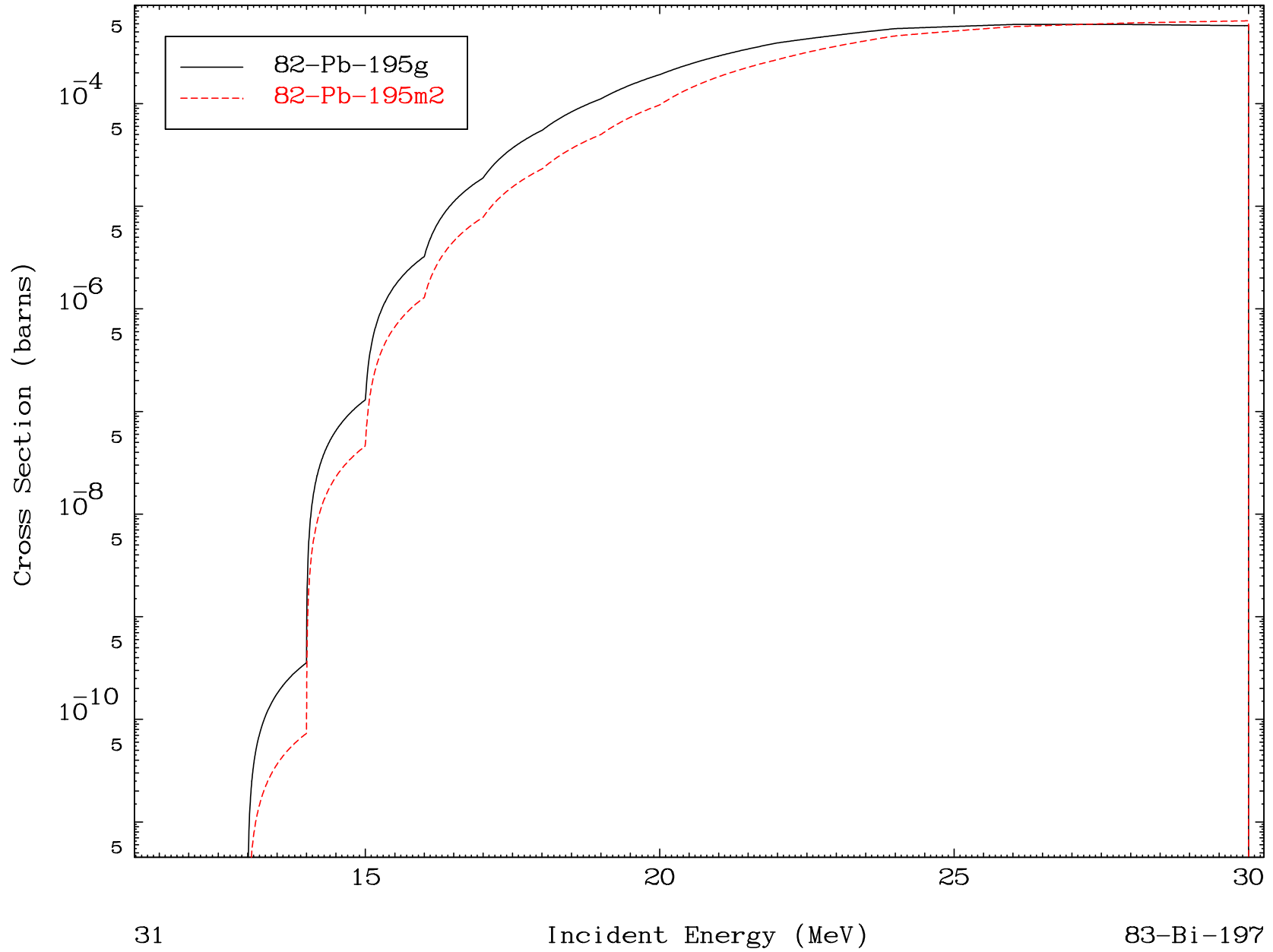
83-Bi-197

MAT 8289

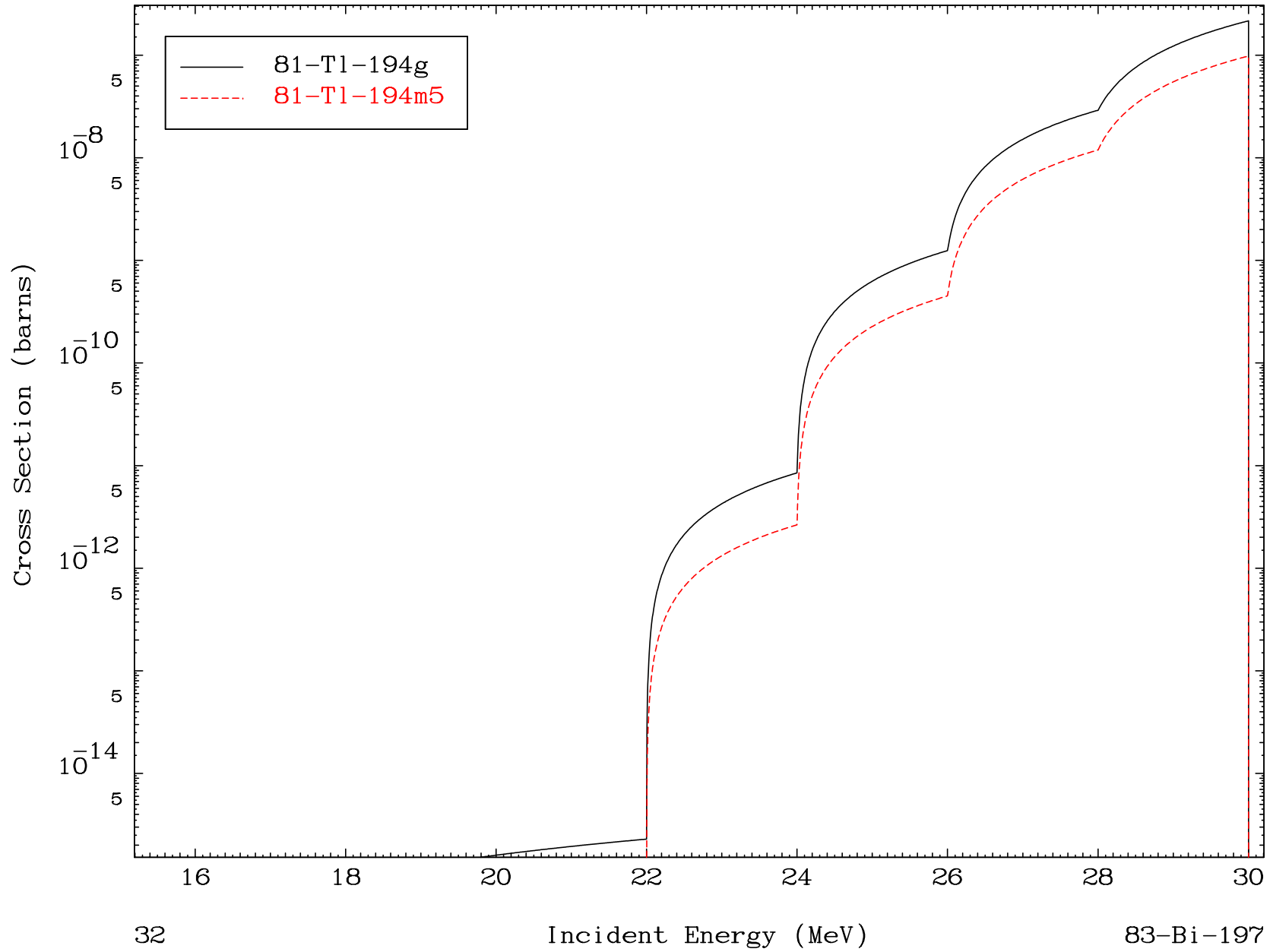
$(\gamma, n')$  p

83-Bi-197

Radionuclide Production Cross Section



Radionuclide Production Cross Section



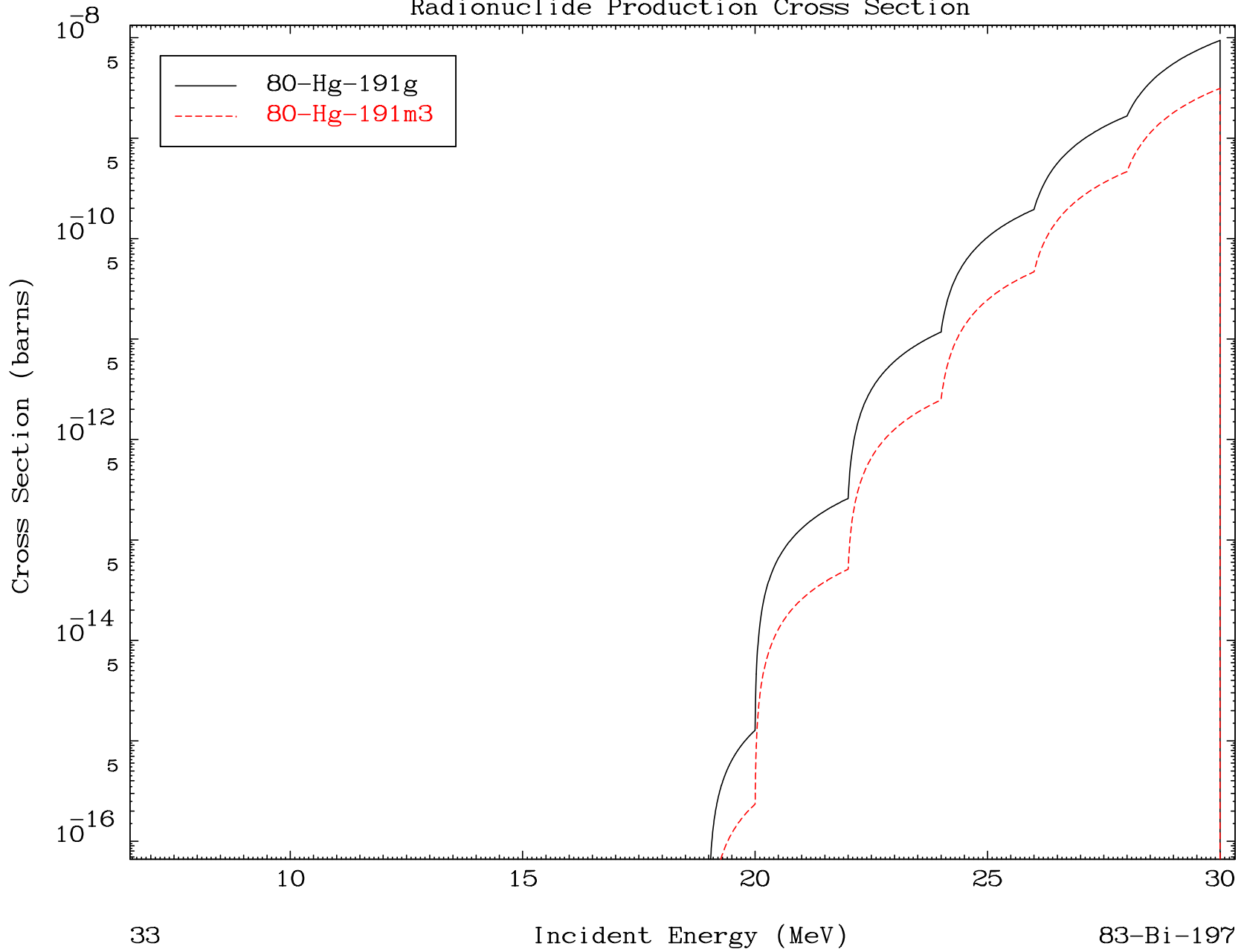


MAT 8289

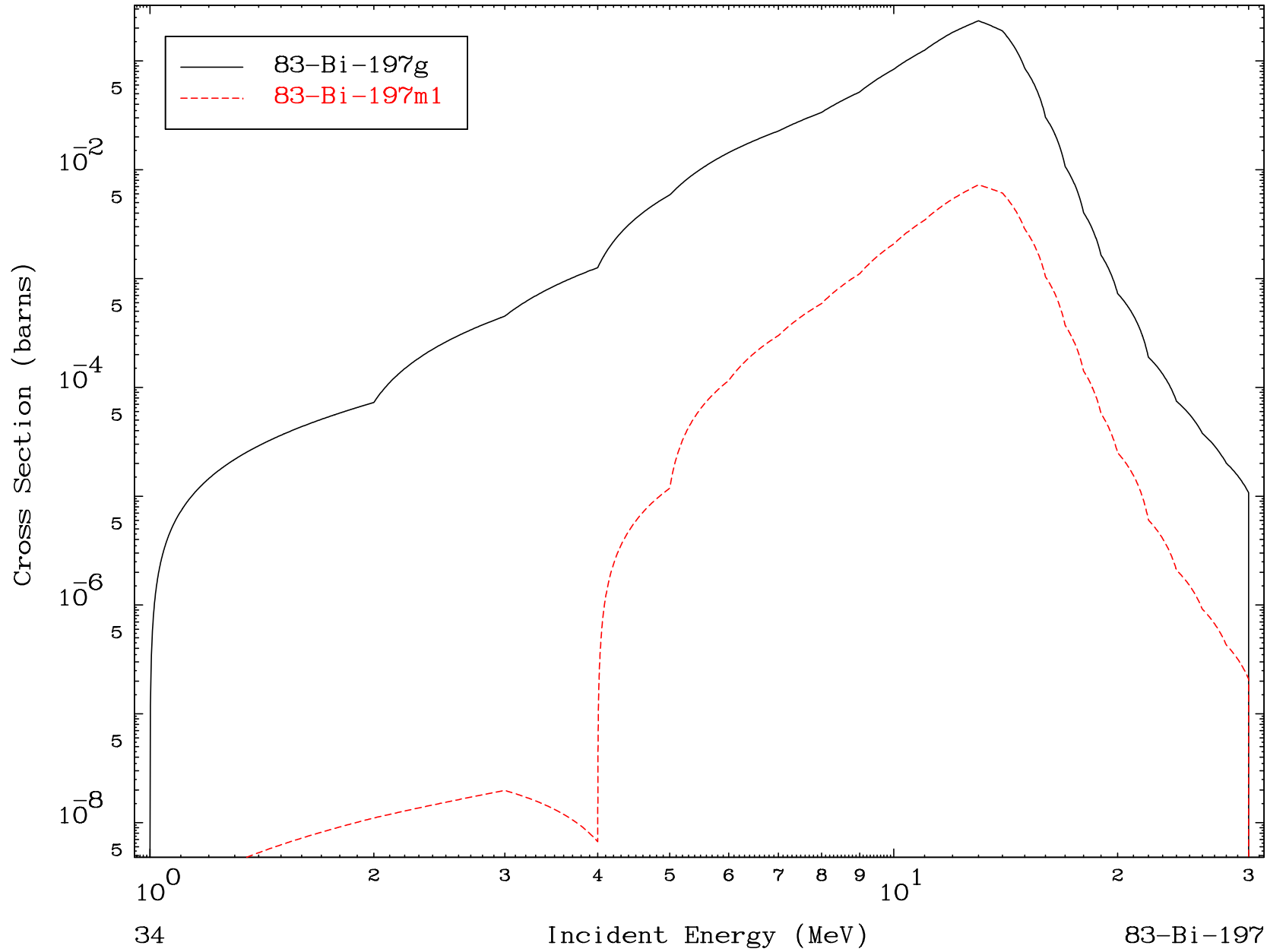
$(\gamma, n')$  p  $\alpha$

83-Bi-197

Radionuclide Production Cross Section



Radionuclide Production Cross Section

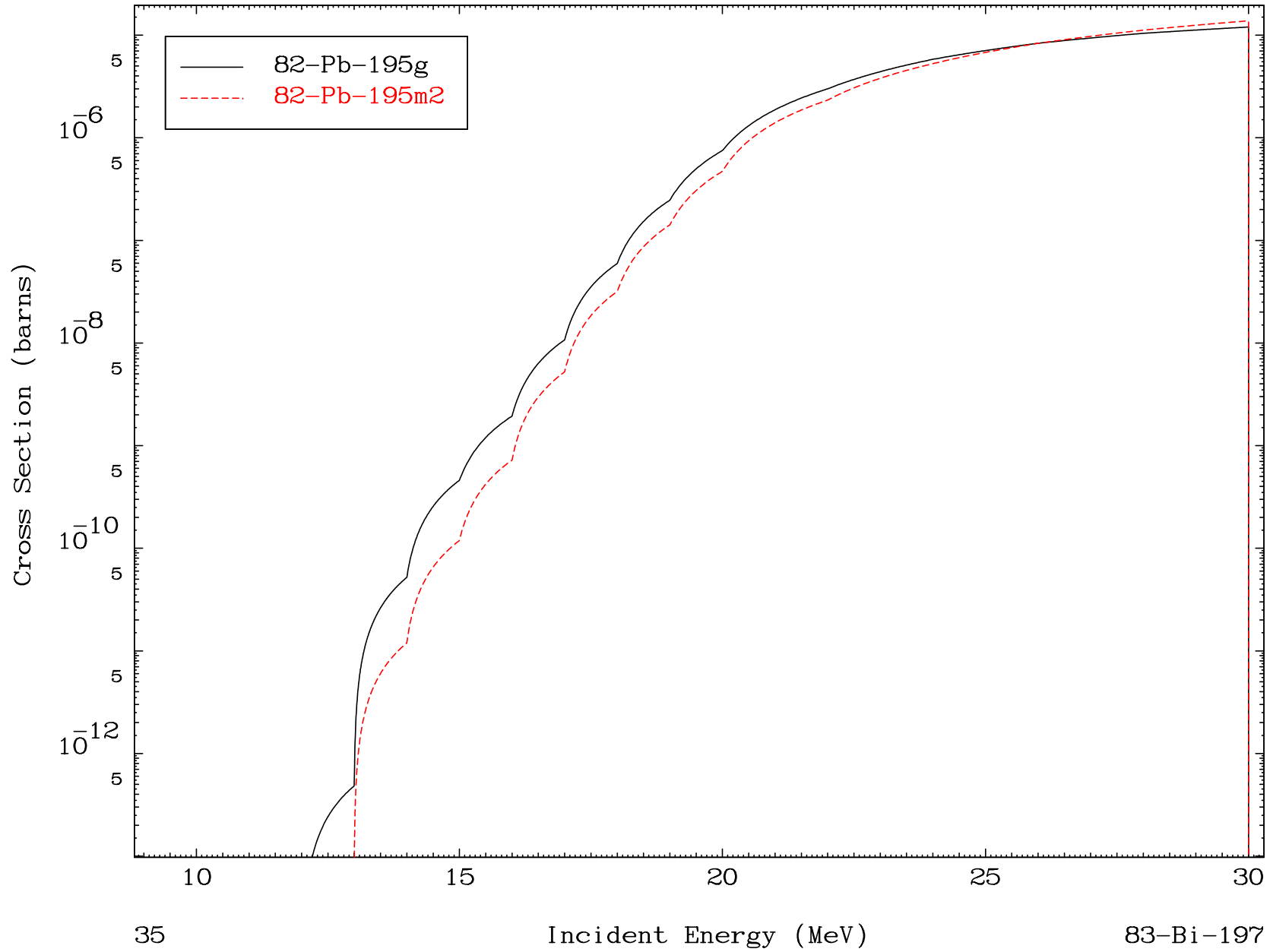


MAT 8289

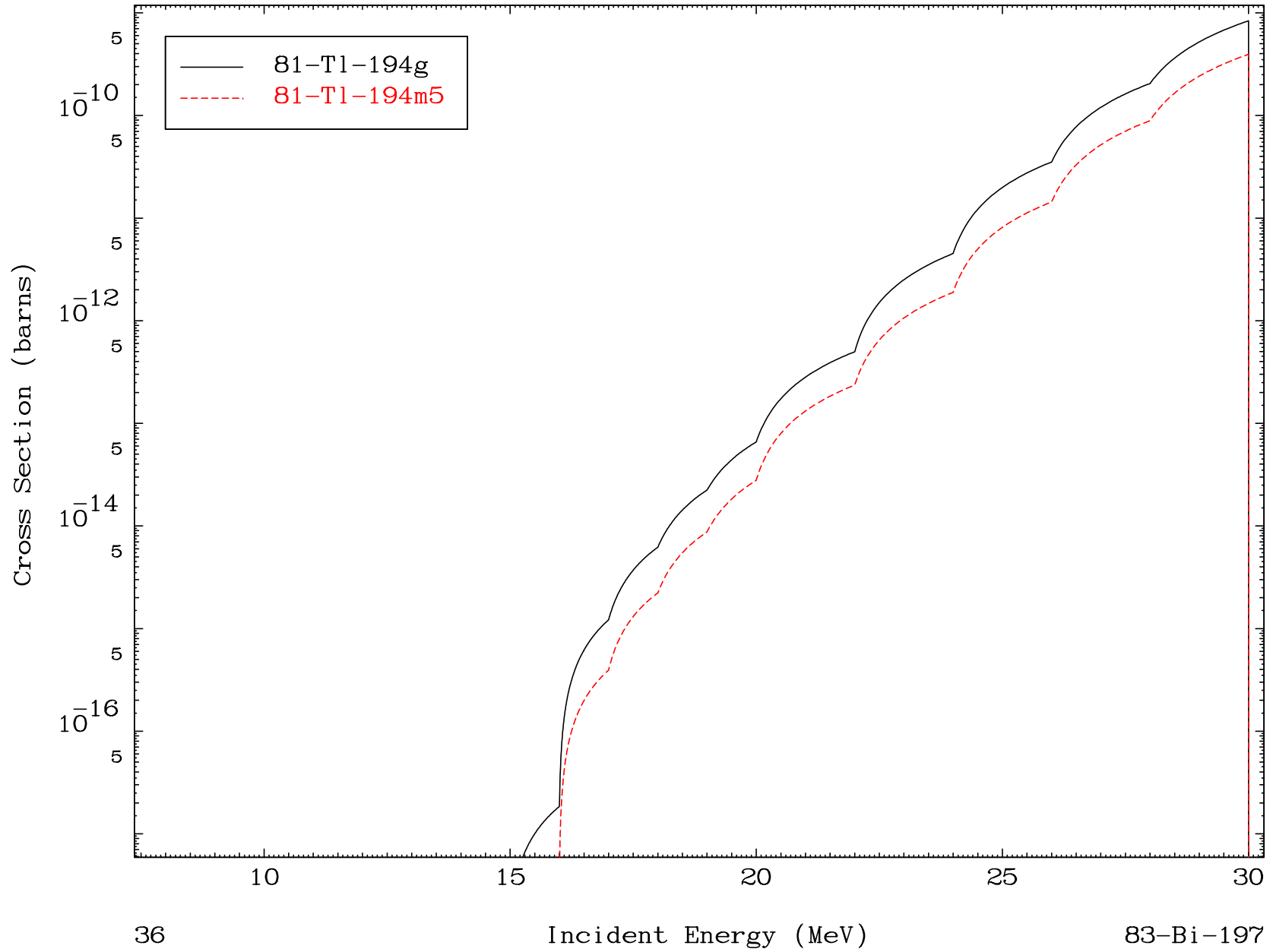
( $\gamma, d$ )

83-Bi-197

### Radionuclide Production Cross Section



Radionuclide Production Cross Section

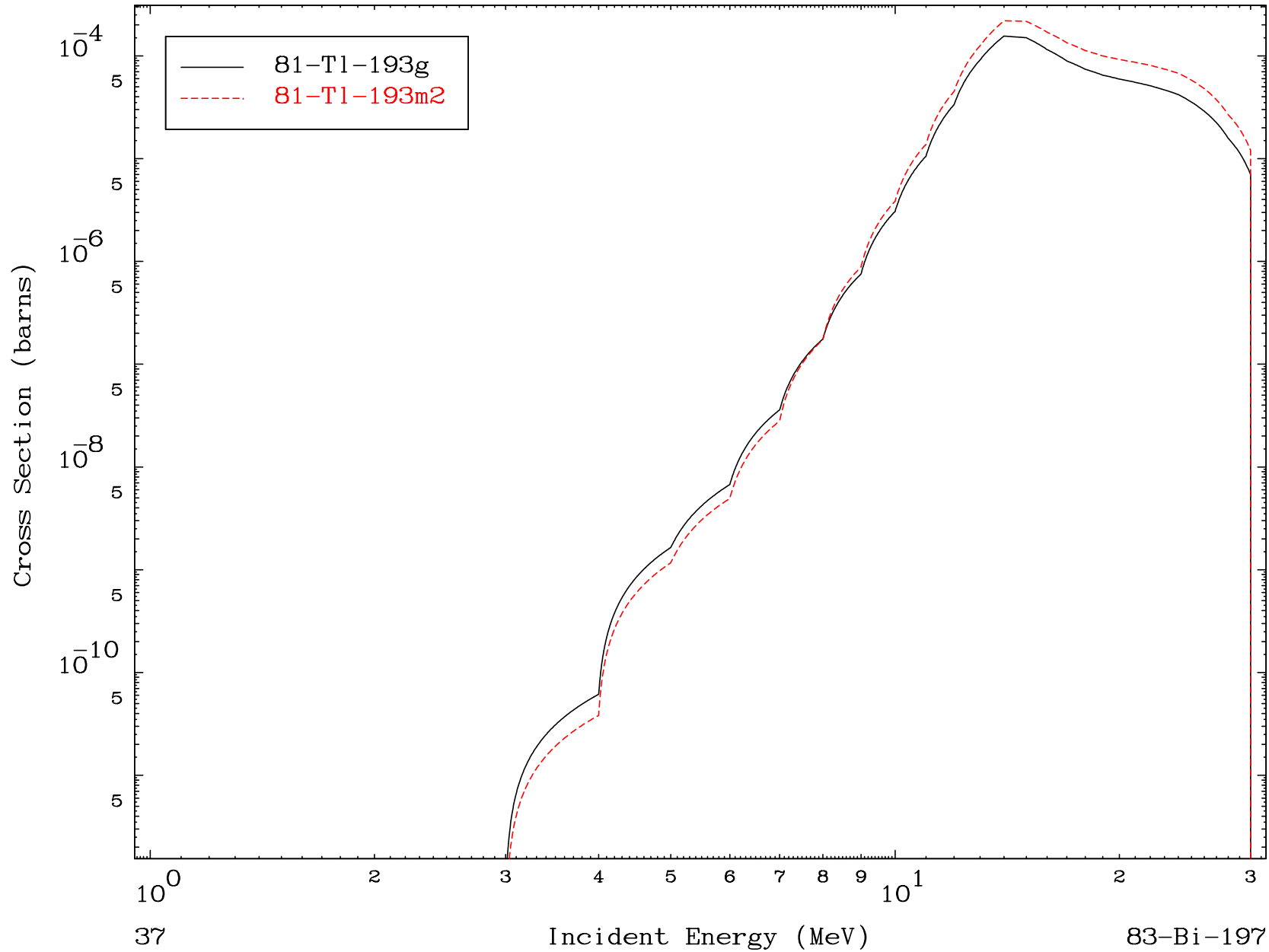


MAT 8289

( $\gamma, \alpha$ )

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Radionuclide Production Cross Section

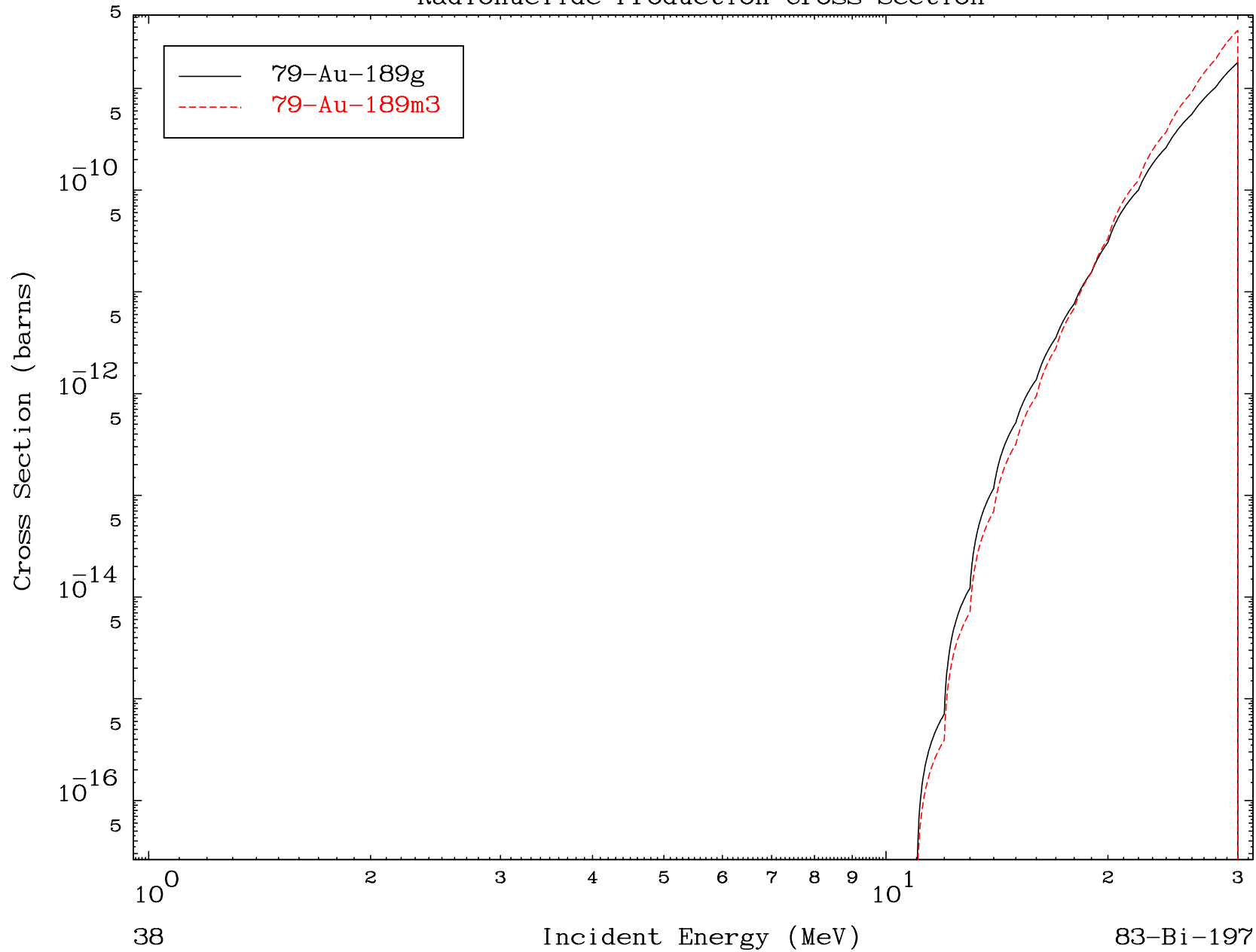


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$(\gamma, 2\alpha)$

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### Radionuclide Production Cross Section

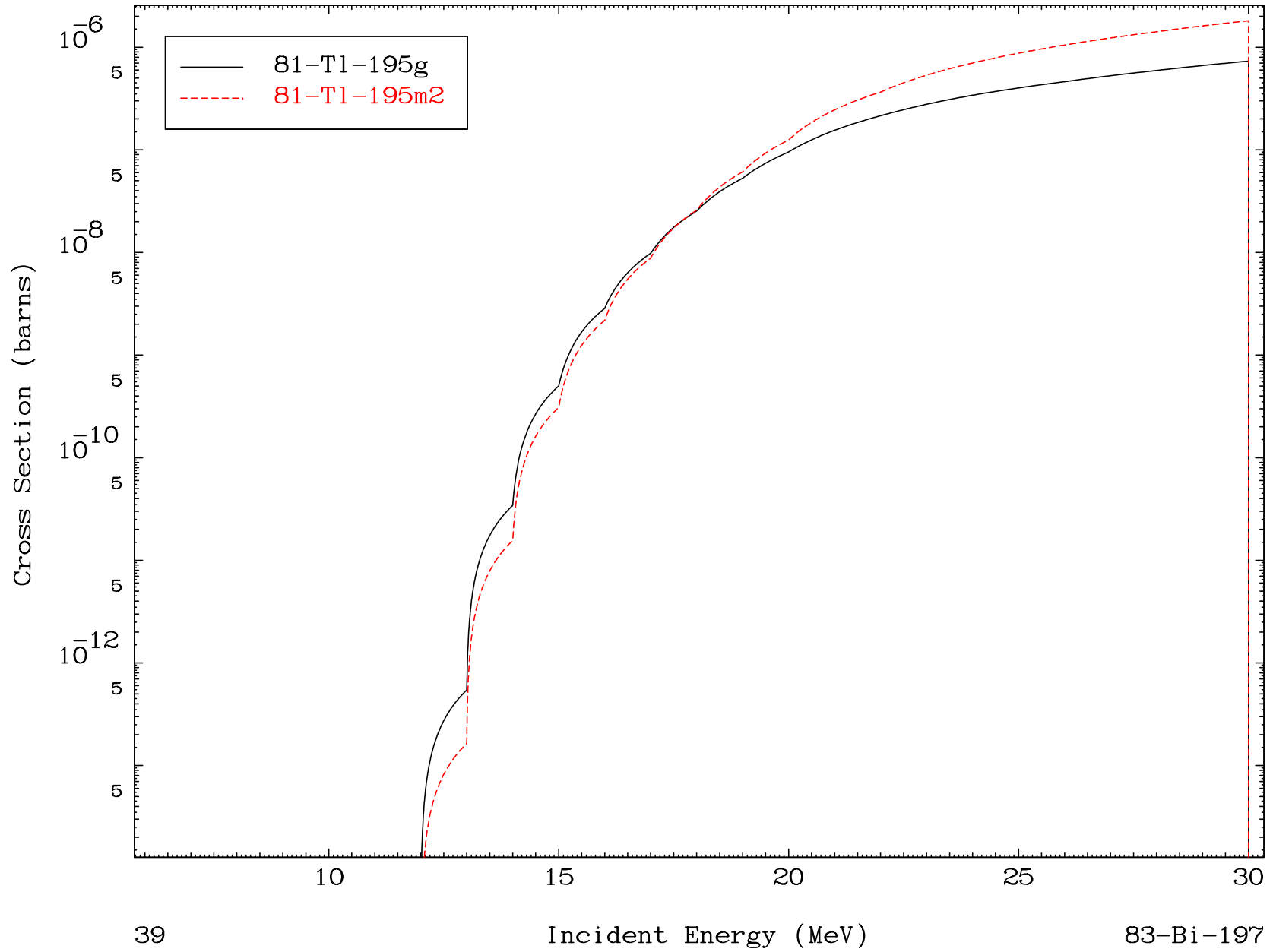


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( $\gamma, 2p$ )

83-Bi-197

Radionuclide Production Cross Section



MAT 8289

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

83-Bi-197

