

Program EVALPLOT
(Version 2021-1)

by

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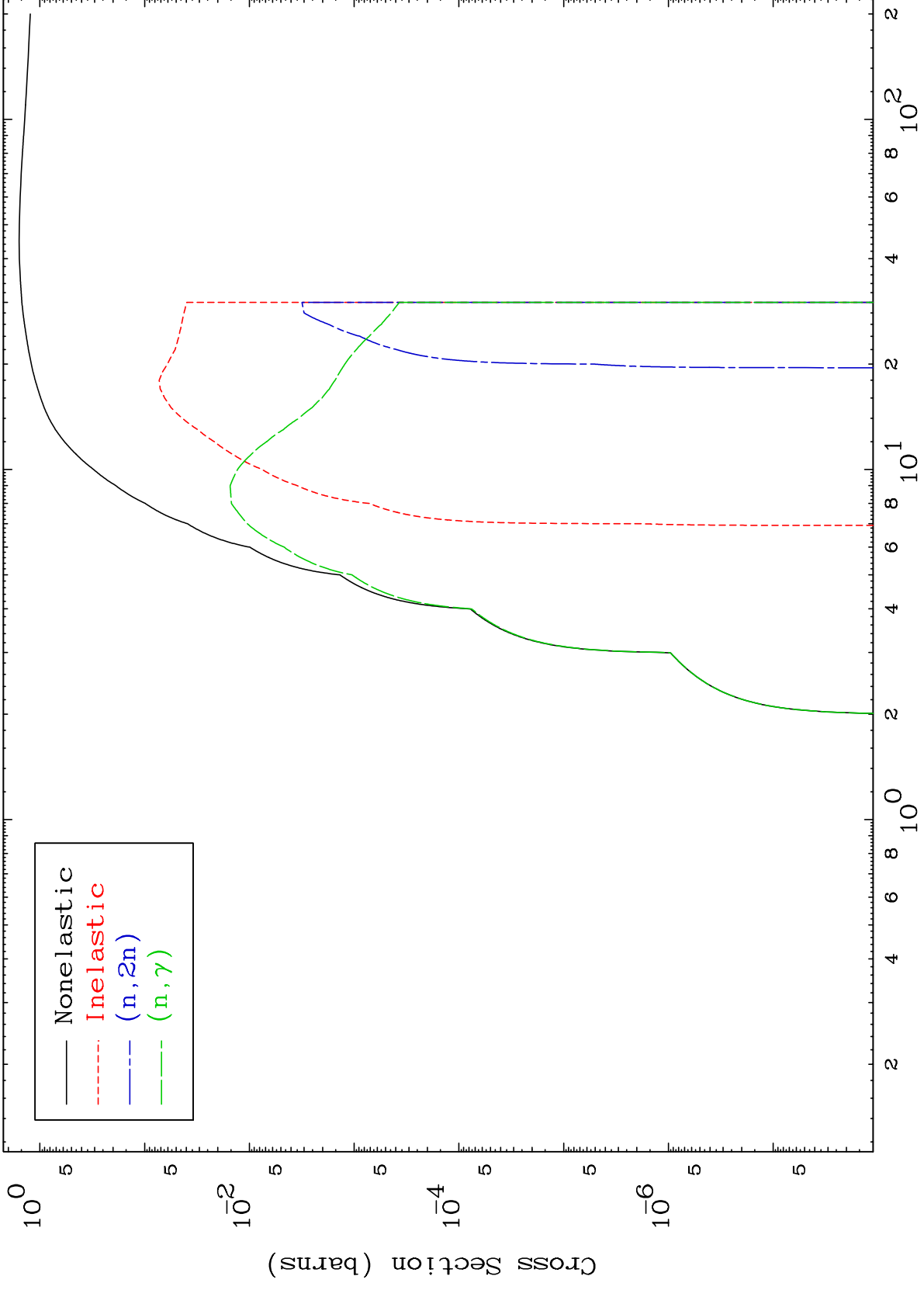
Press Mouse Button to Start

MAT 6286

Proton Major

63-Eu-138

0 Kelvin Cross Sections

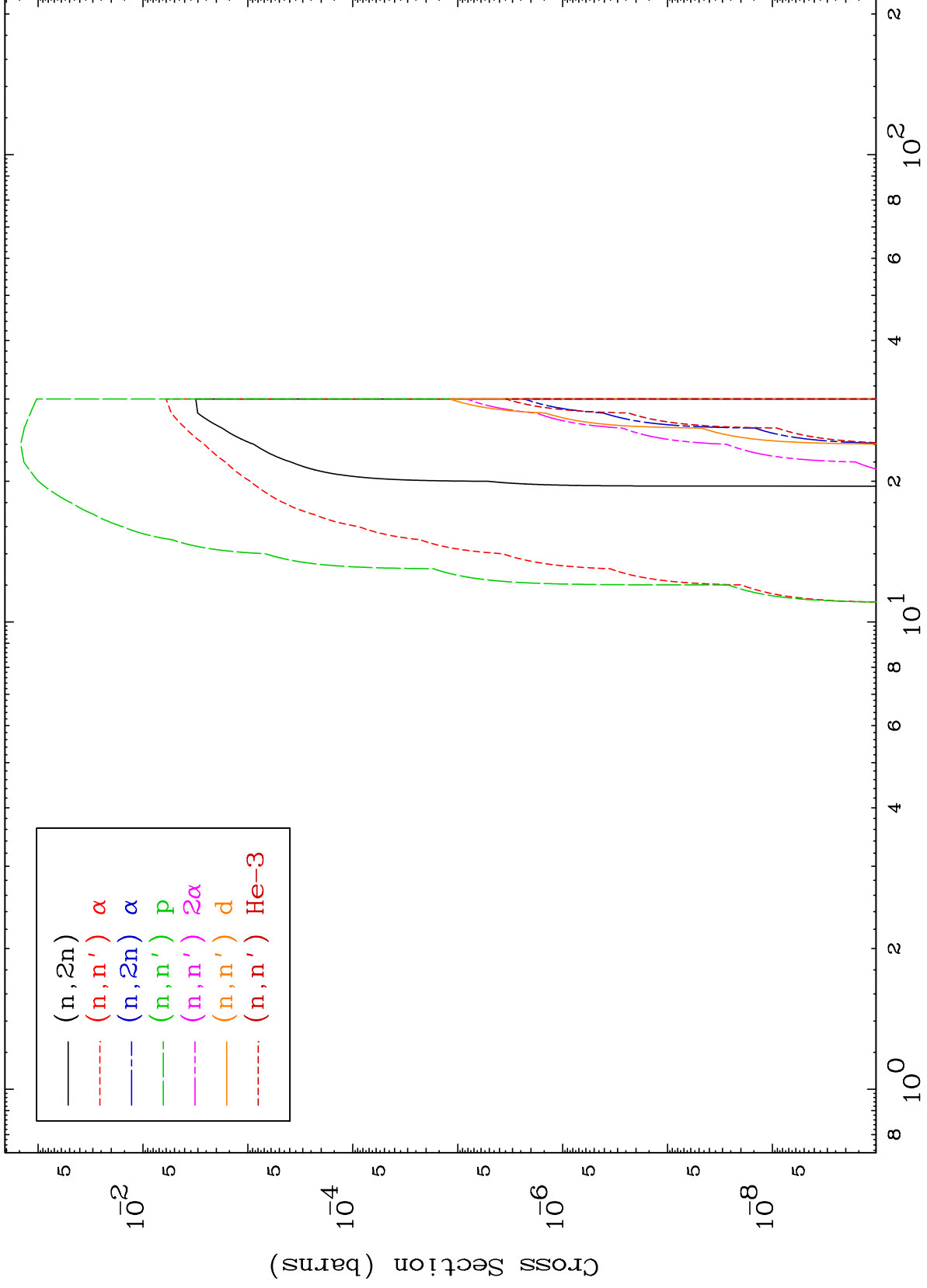


Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

MAT 6286

Proton Neutron Absorption
0 Kelvin Cross Sections

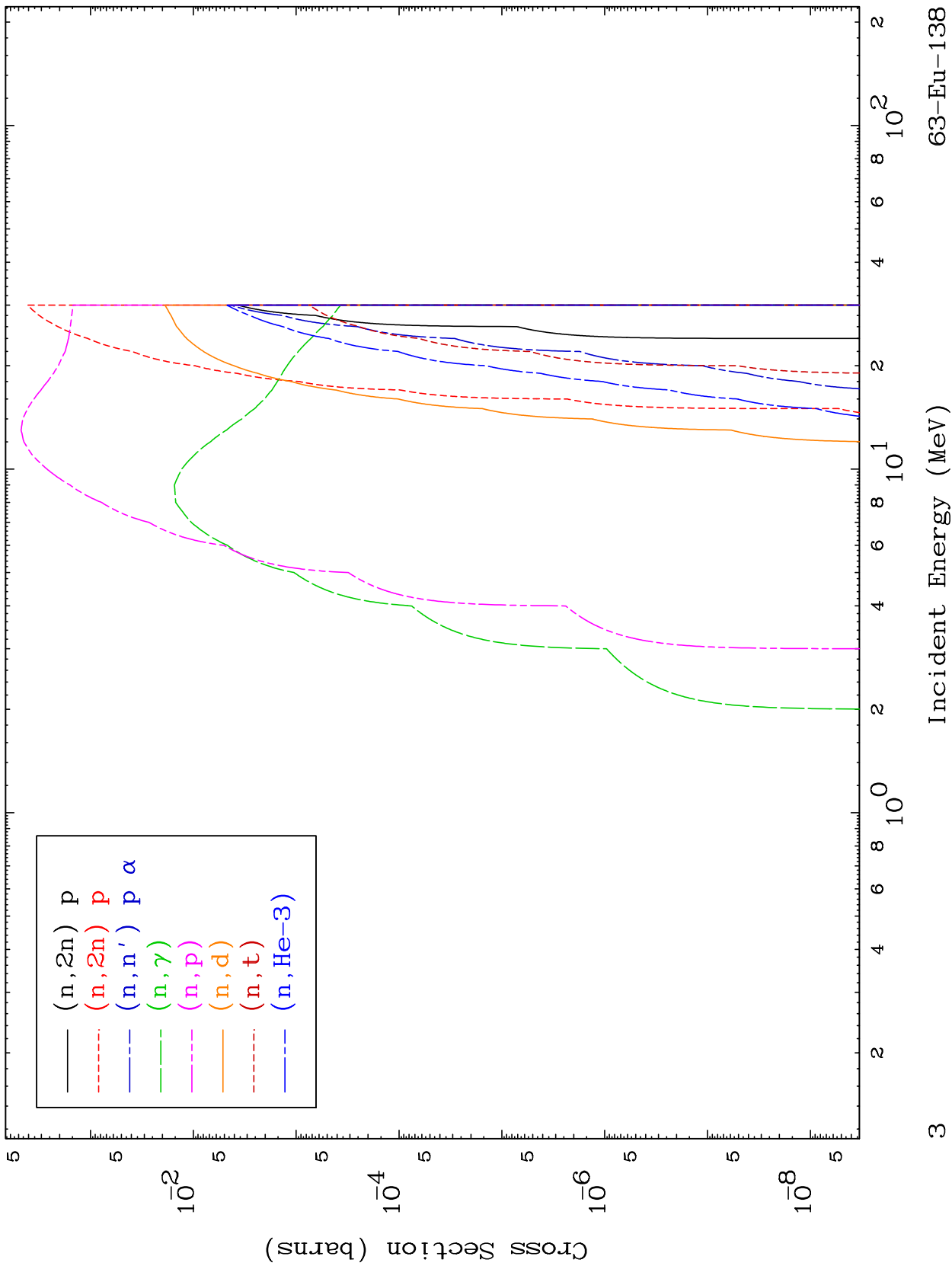
63-Eu-138

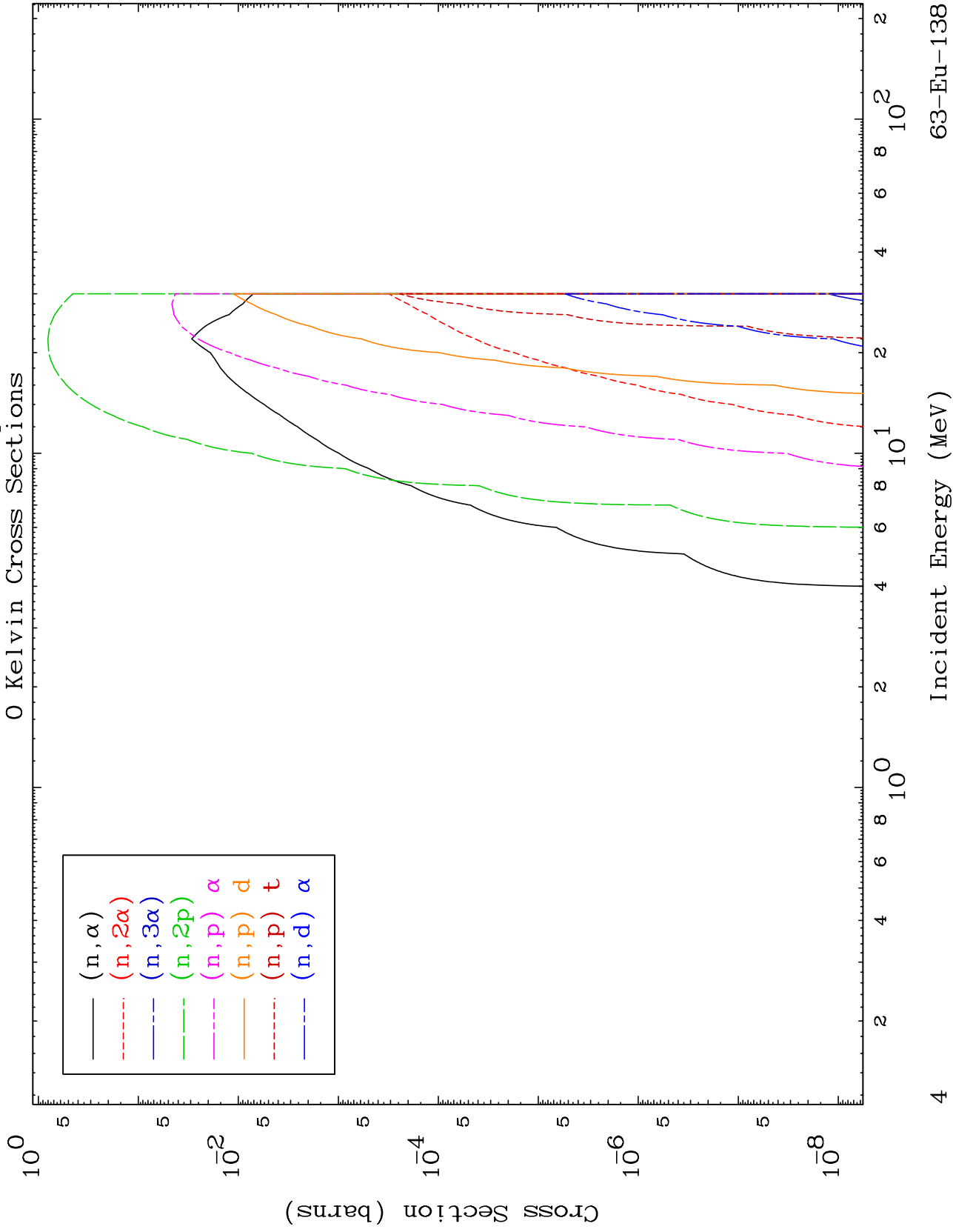


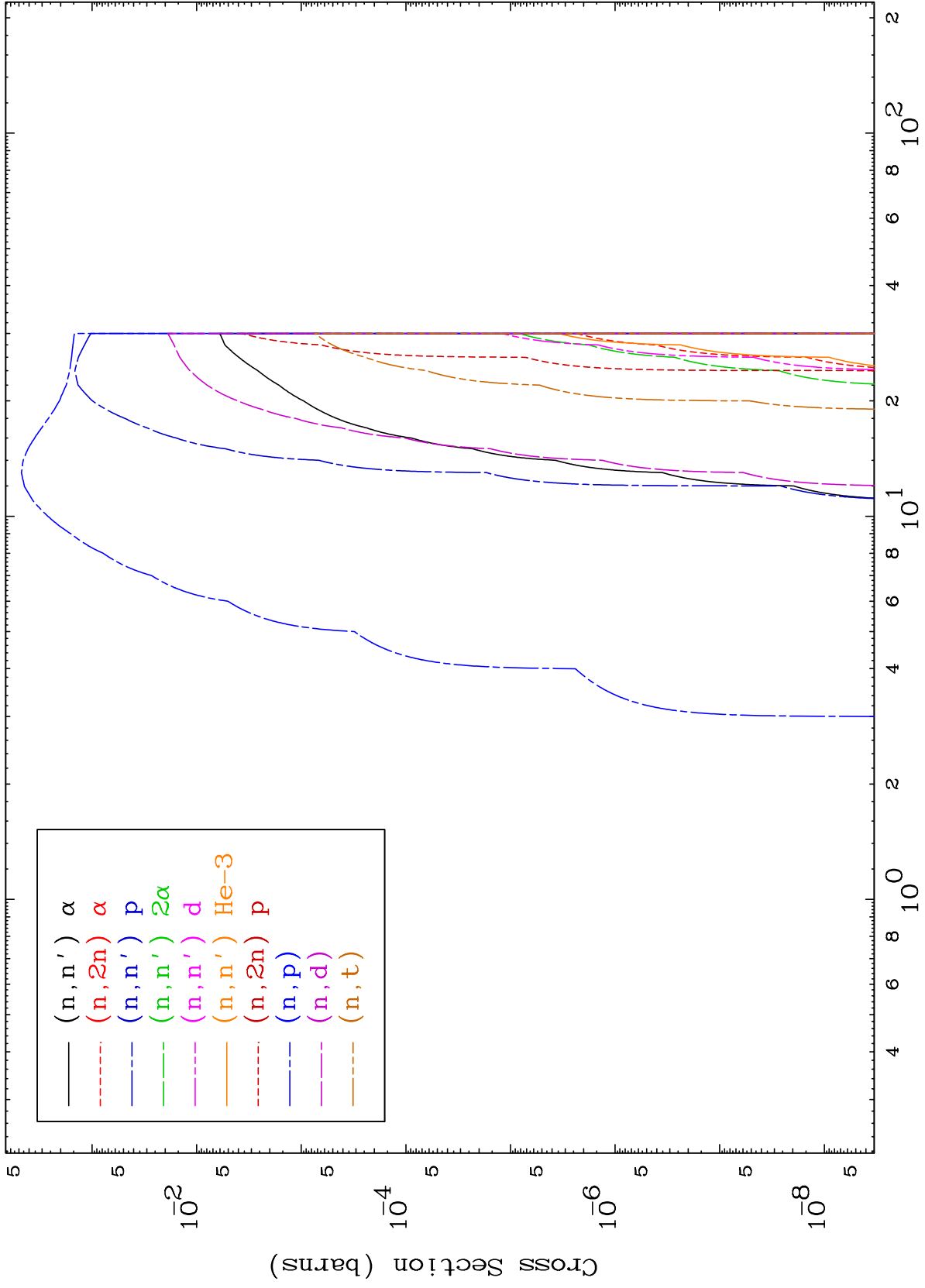
2

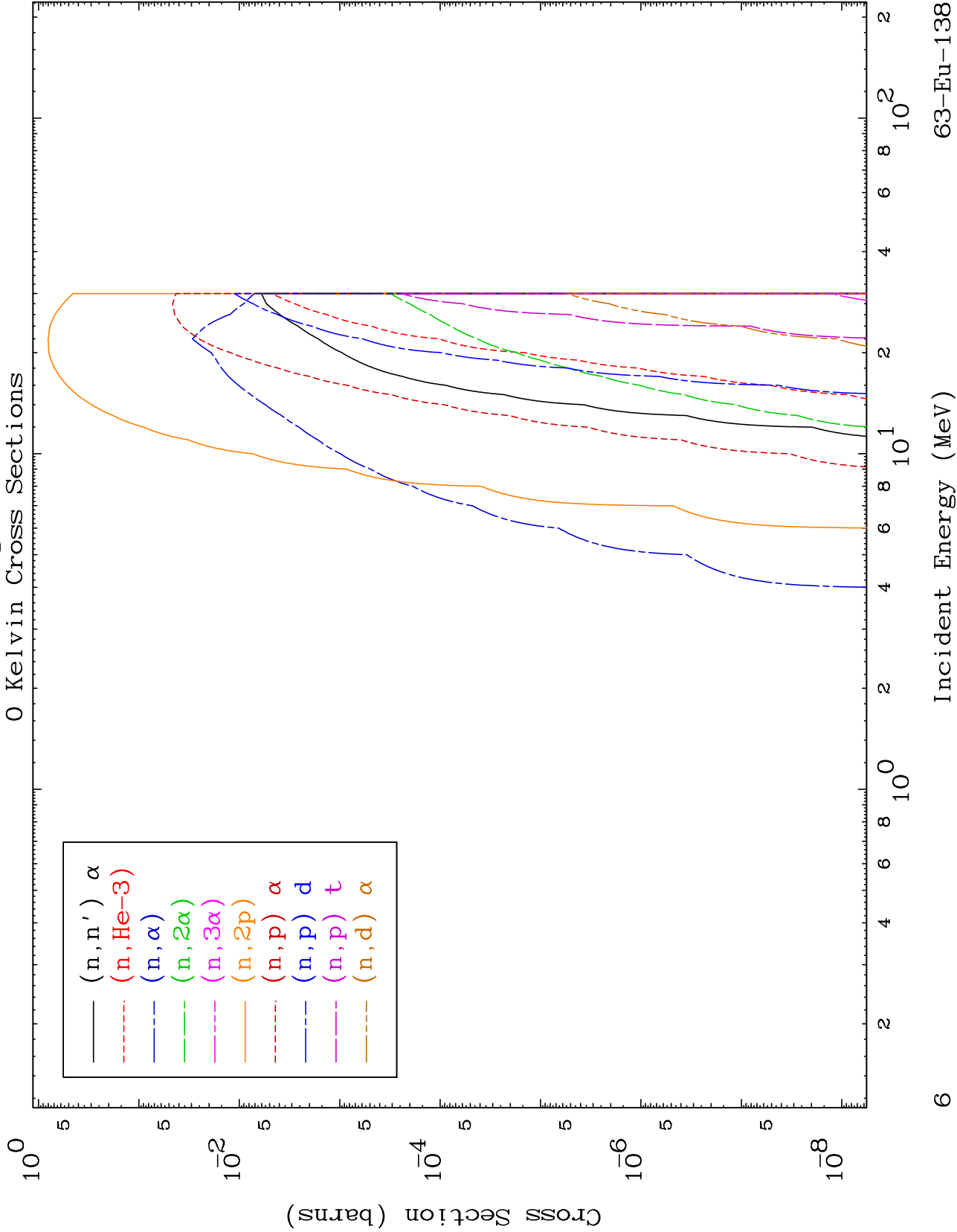
Incident Energy (MeV)

63-Eu-138







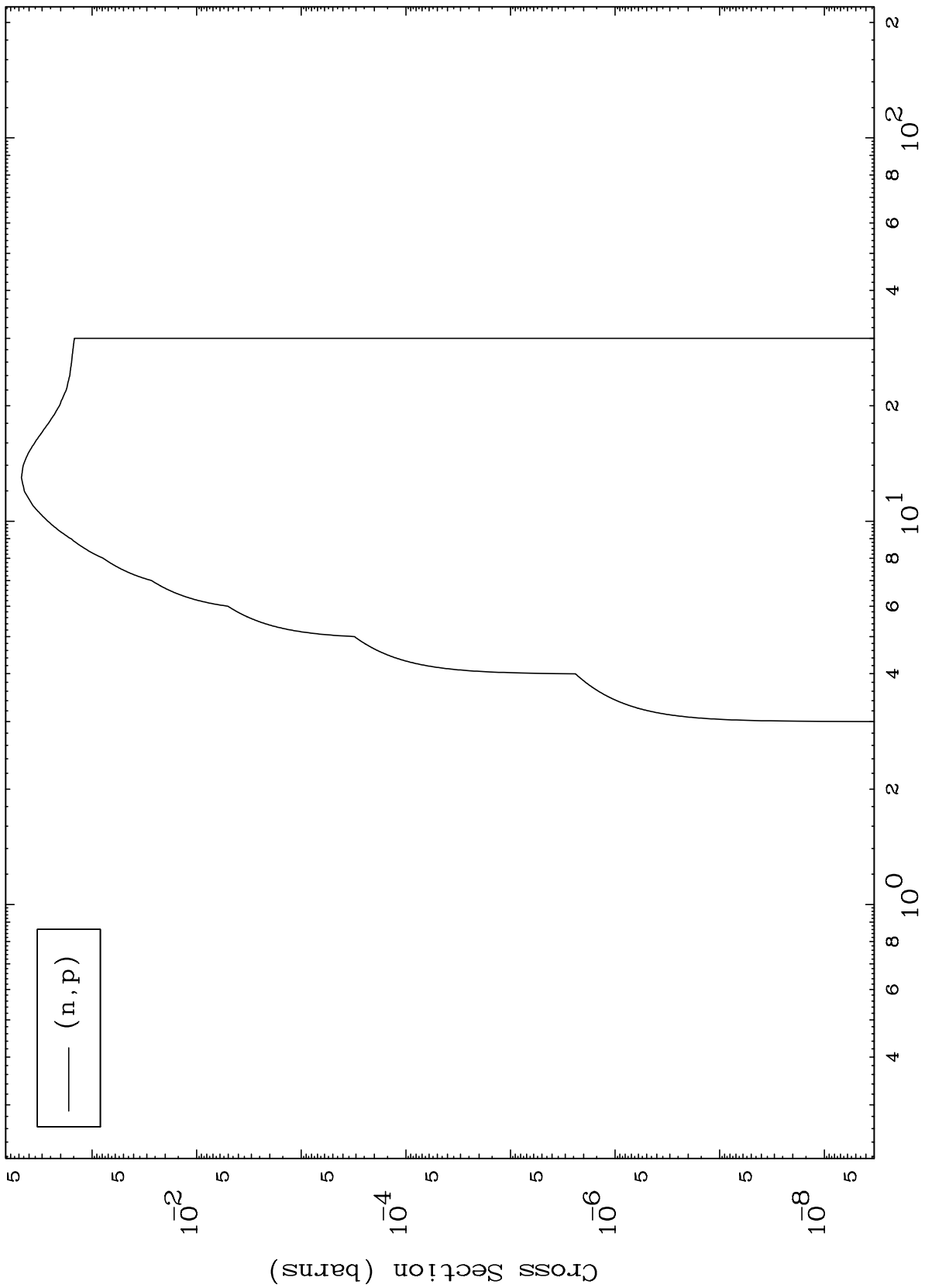


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(p,p) Levels

63-Eu-138

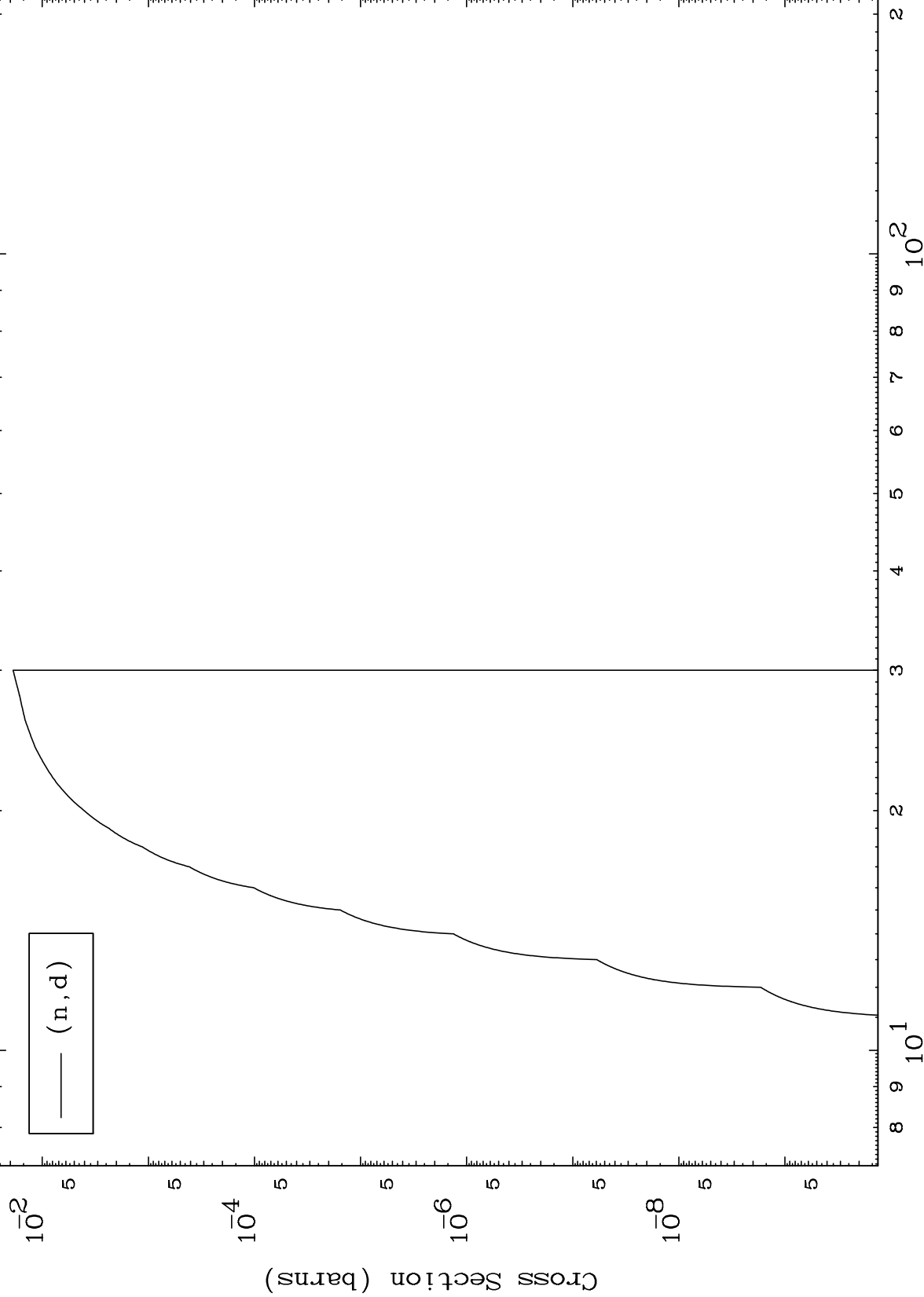
0 Kelvin Cross Sections



MAT 6286

(p,d) Levels
0 Kelvin Cross Sections

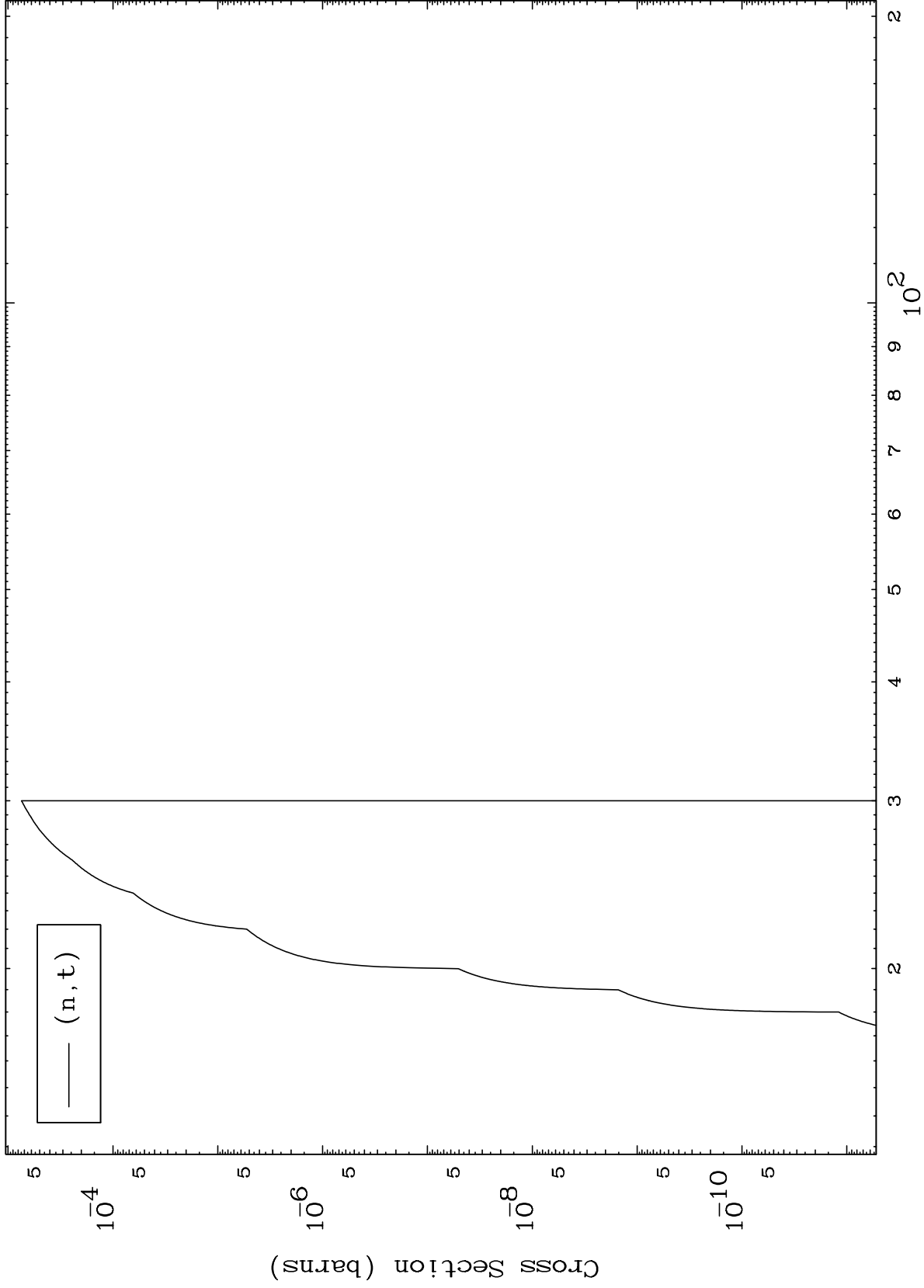
63-Eu-138



8

Incident Energy (MeV)

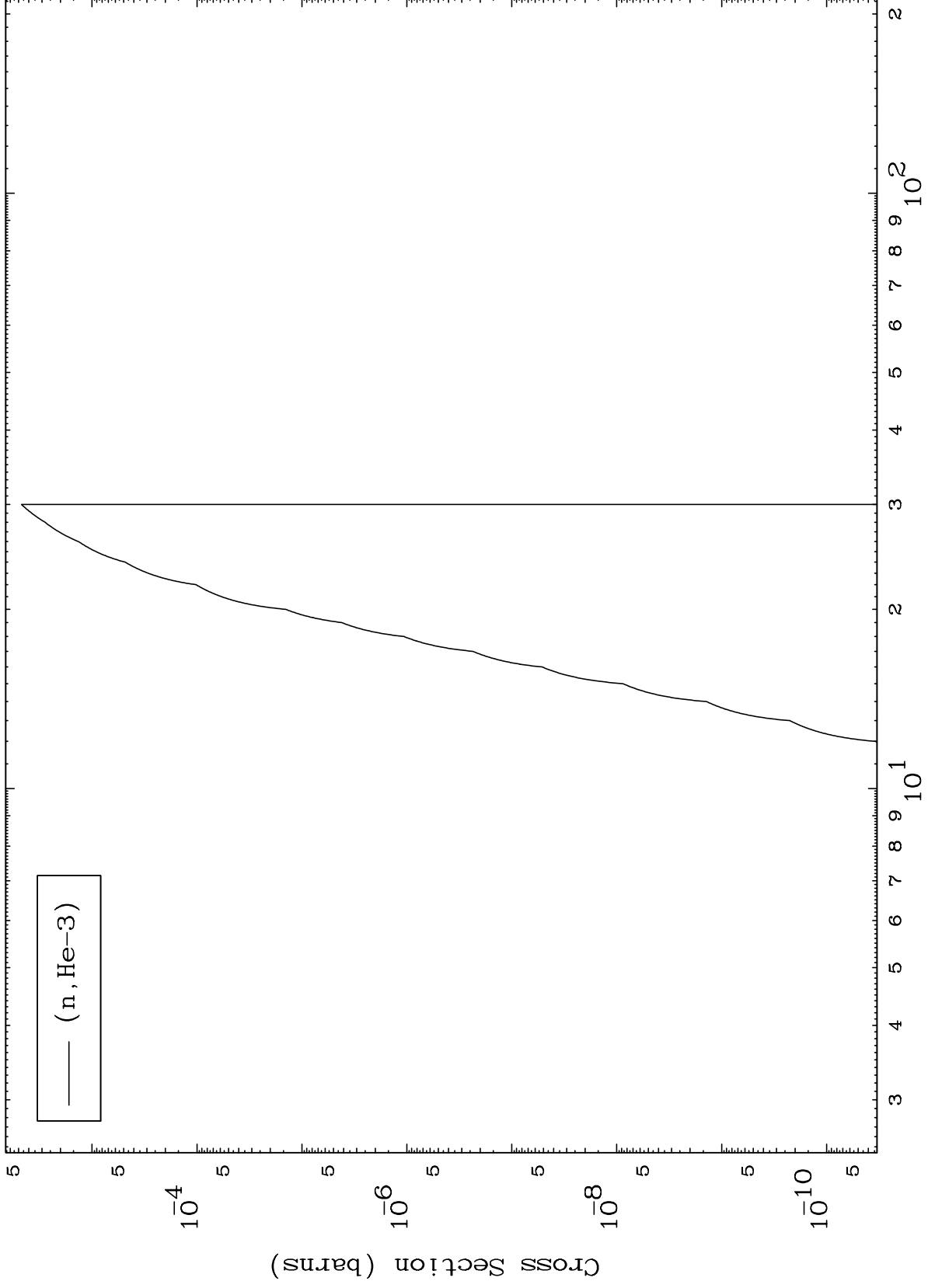
63-Eu-138



MAT 6286

(p,He3) Levels
0 Kelvin Cross Sections

63-Eu-138



10

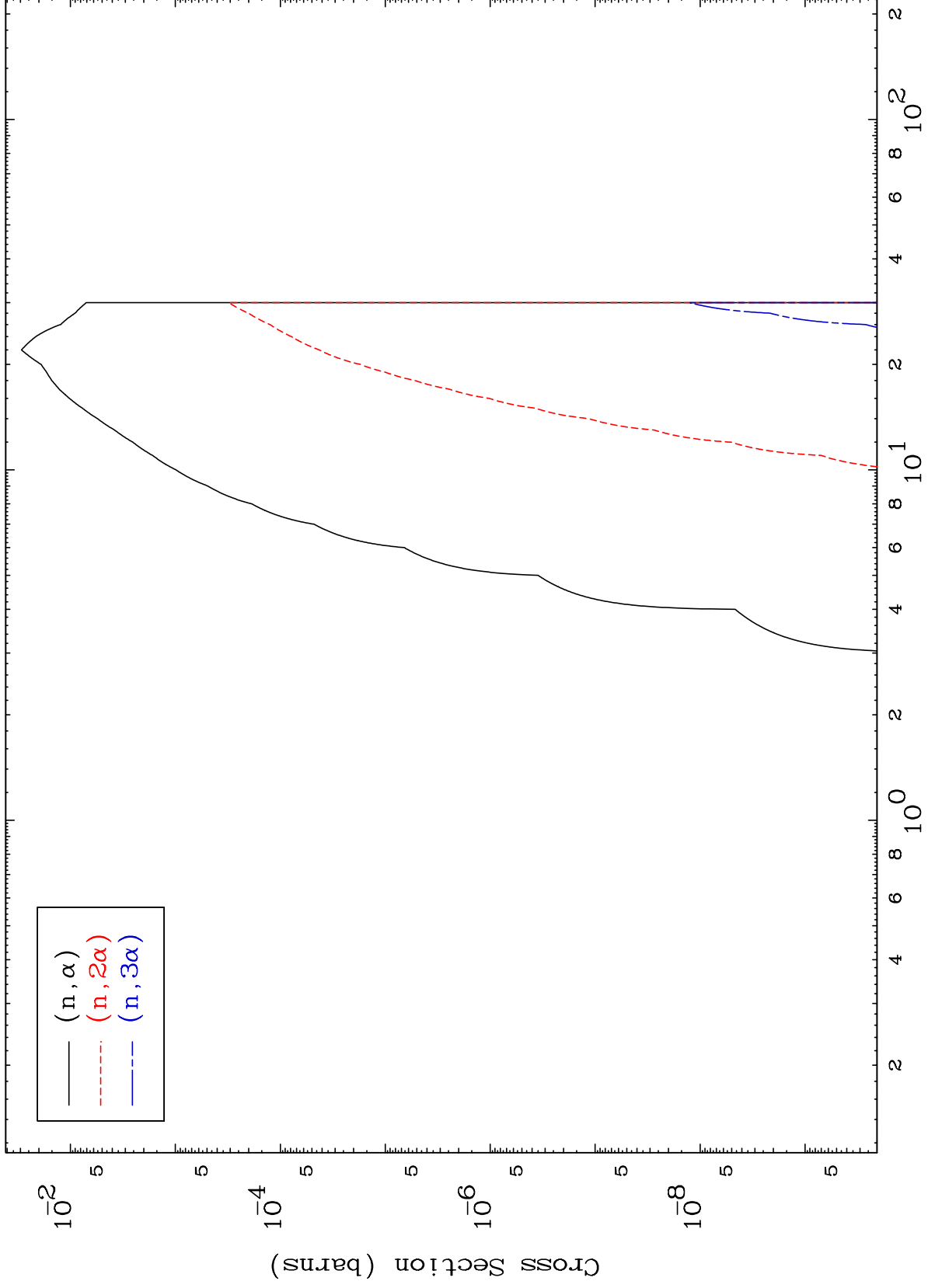
Incident Energy (MeV)

63-Eu-138

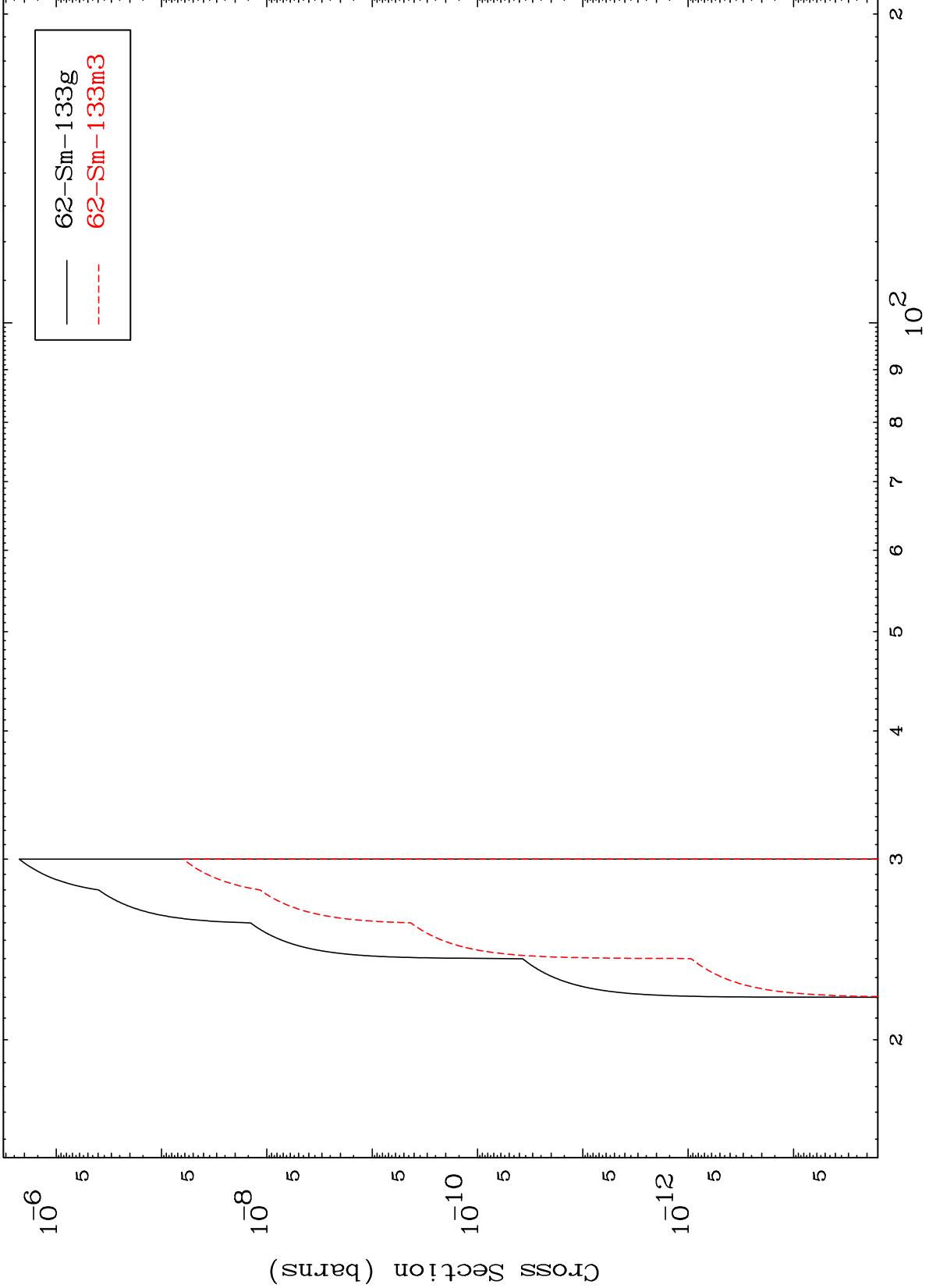
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(p, α) Levels
0 Kelvin Cross Sections

63-Eu-138



Radionuclide Production Cross Section

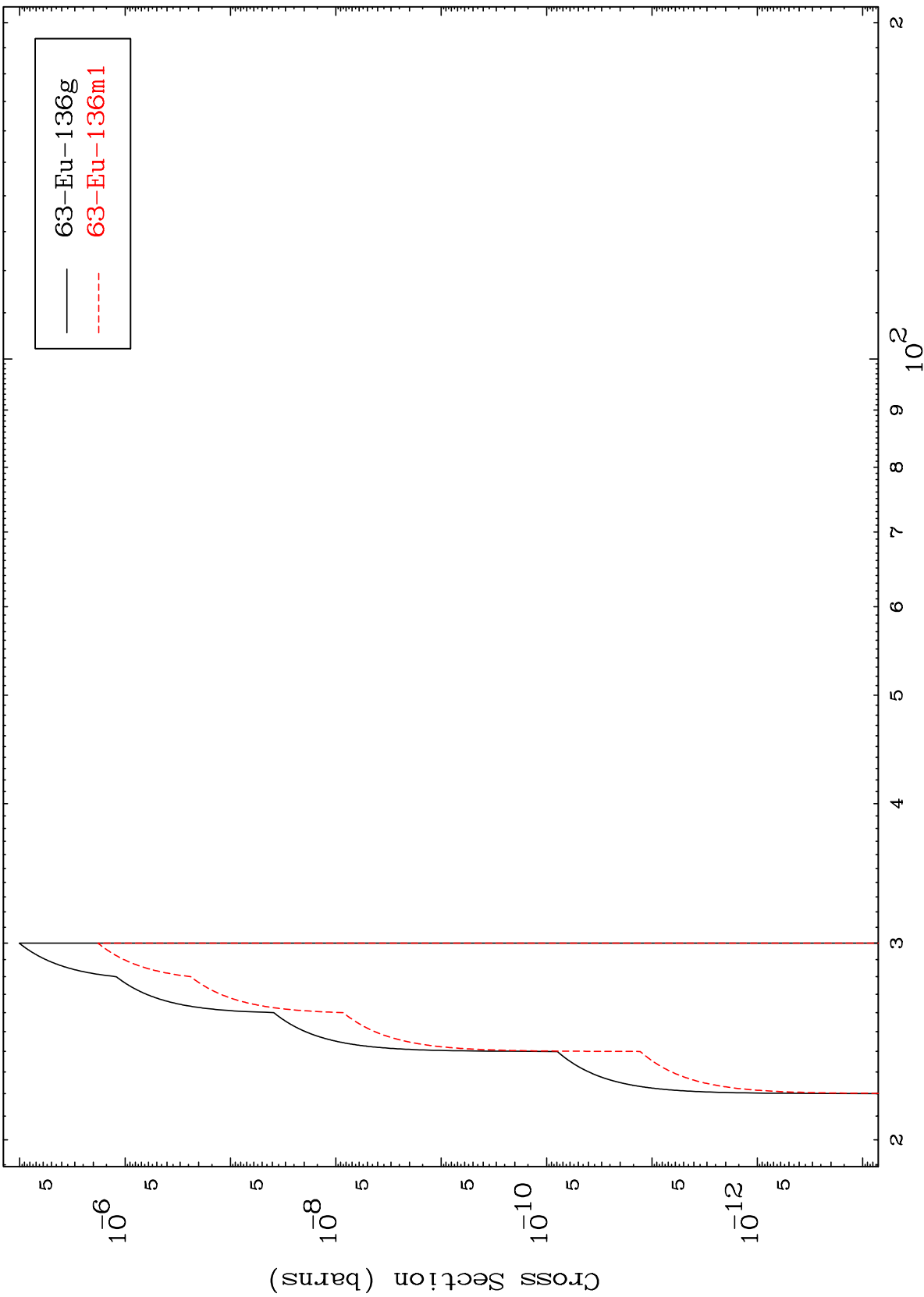


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(n,n') d

63-Eu-138

Radionuclide Production Cross Section



13

Incident Energy (MeV)

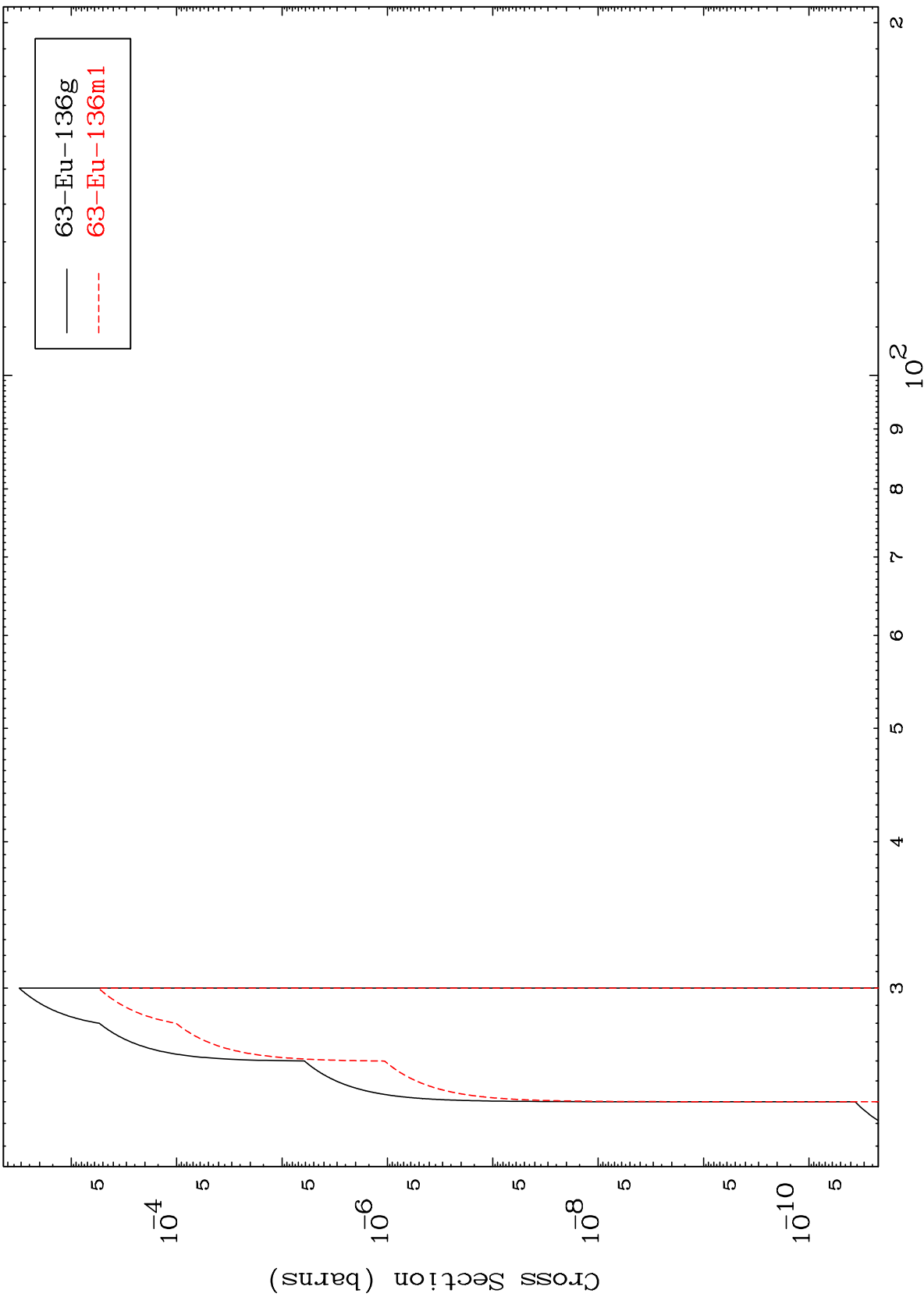
63-Eu-138

MAT 6286

(n,2n) p

63-Eu-138

Radionuclide Production Cross Section



14

Incident Energy (MeV)

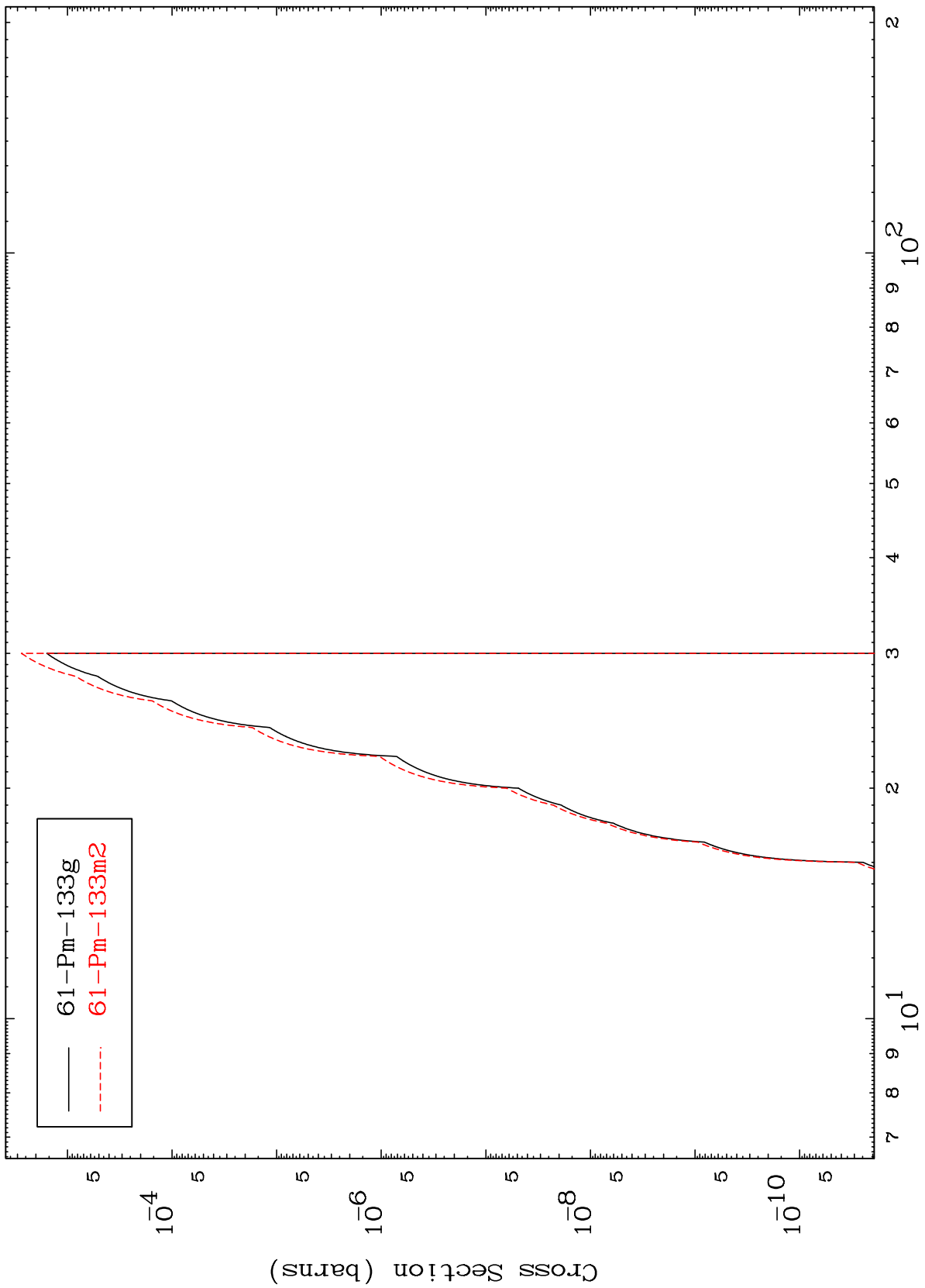
63-Eu-138

MAT 6286

(n,n') p α

63-Eu-138

Radionuclide Production Cross Section



15

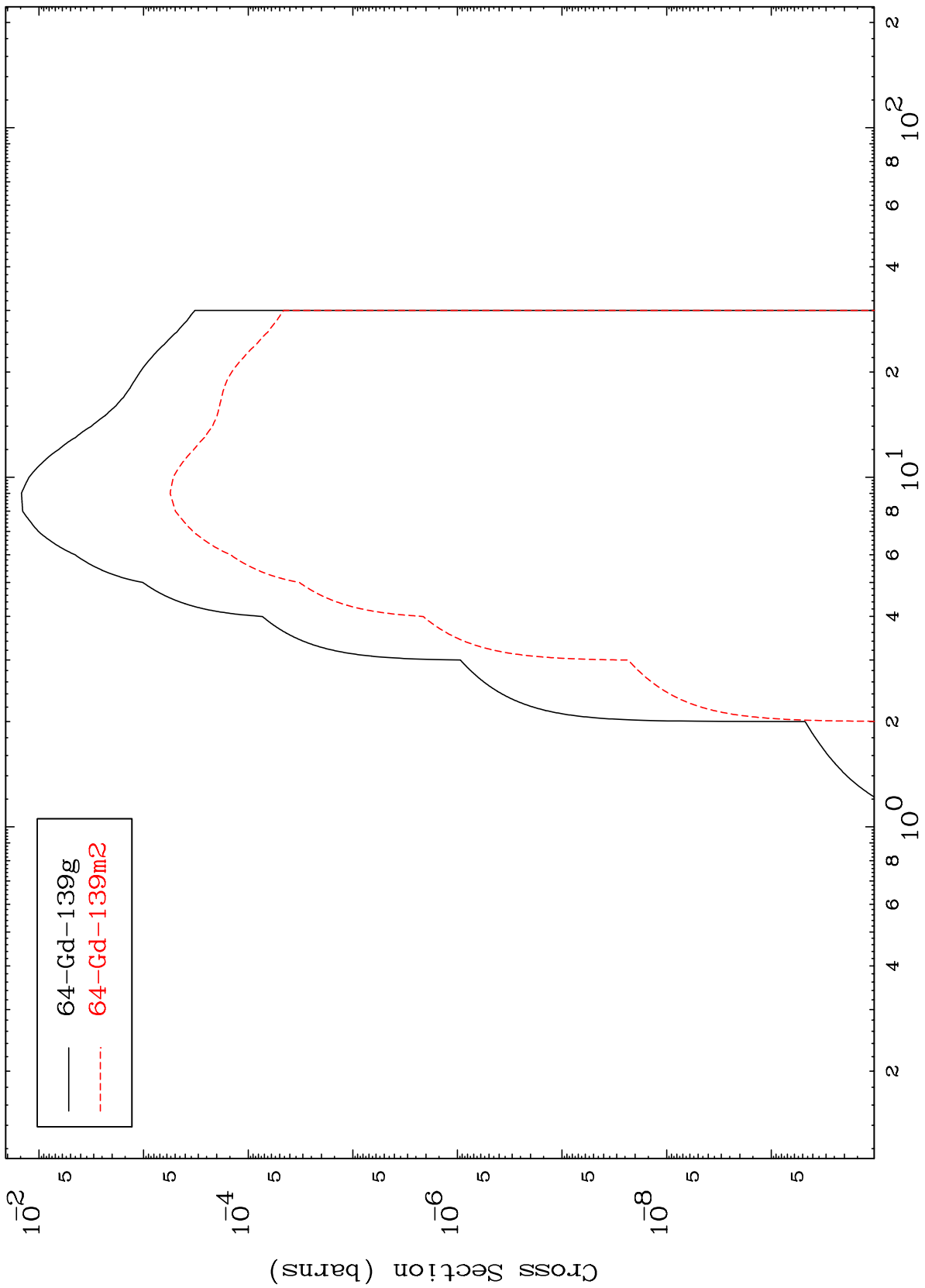
Incident Energy (MeV)

63-Eu-138

MAT 6286

63-Eu-138

(n, γ)
Radionuclide Production Cross Section

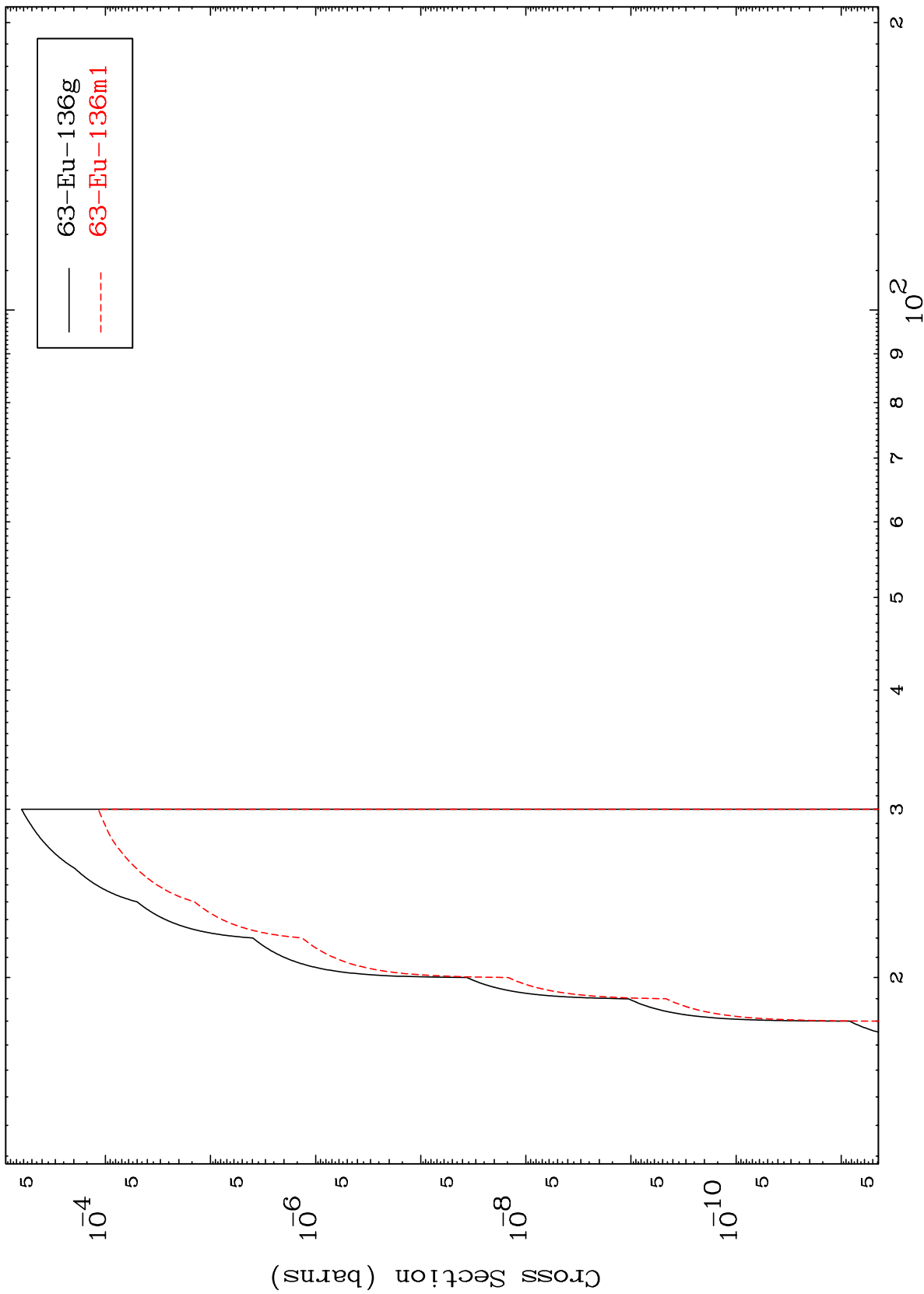


— 64-Gd-139g
- - - 64-Gd-139m2

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63-Eu-138

(n,t)
Radionuclide Production Cross Section



17

63-Eu-138

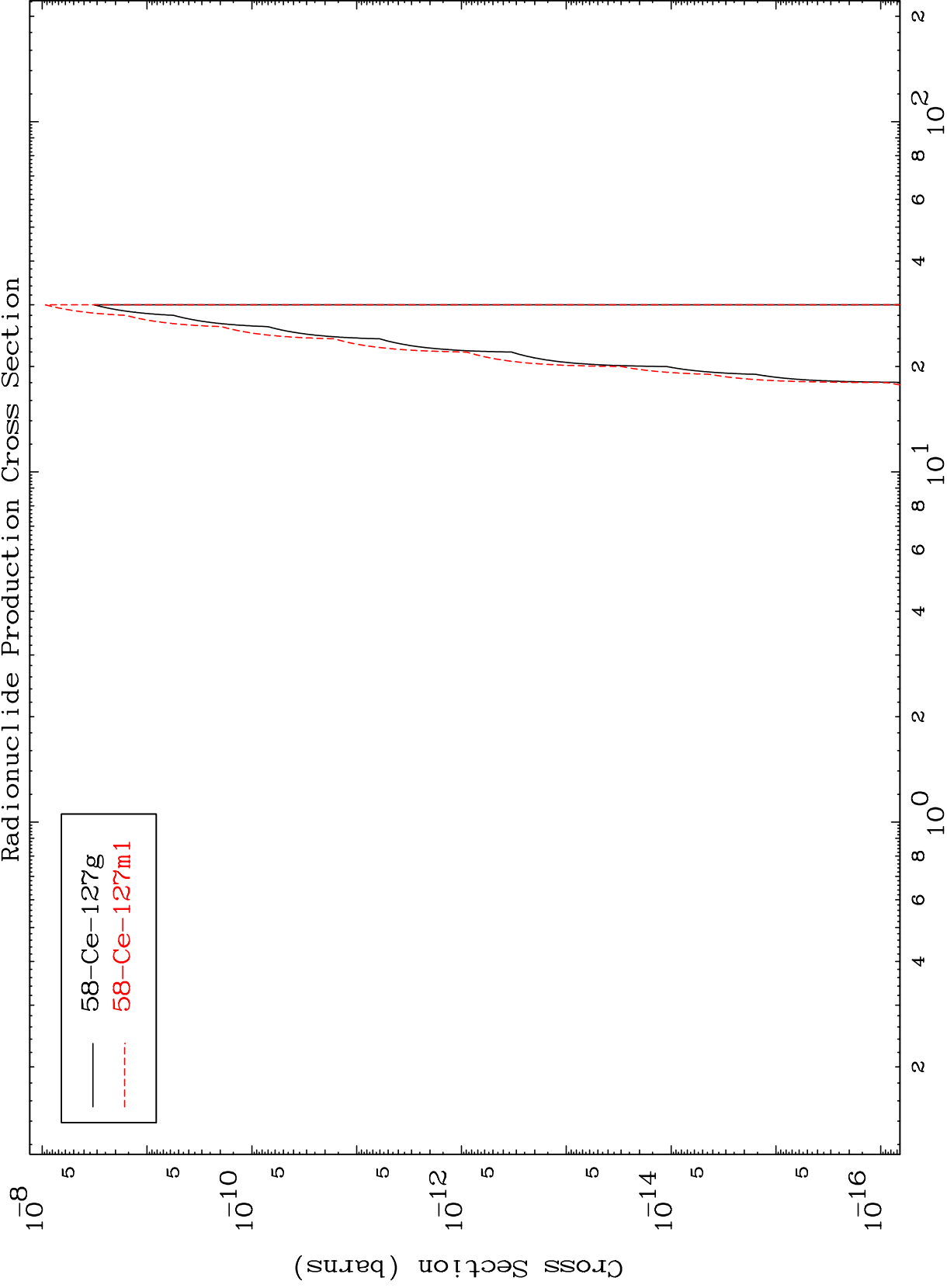
Incident Energy (MeV)

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(n, 3α)

63-Eu-138

Radionuclide Production Cross Section



18

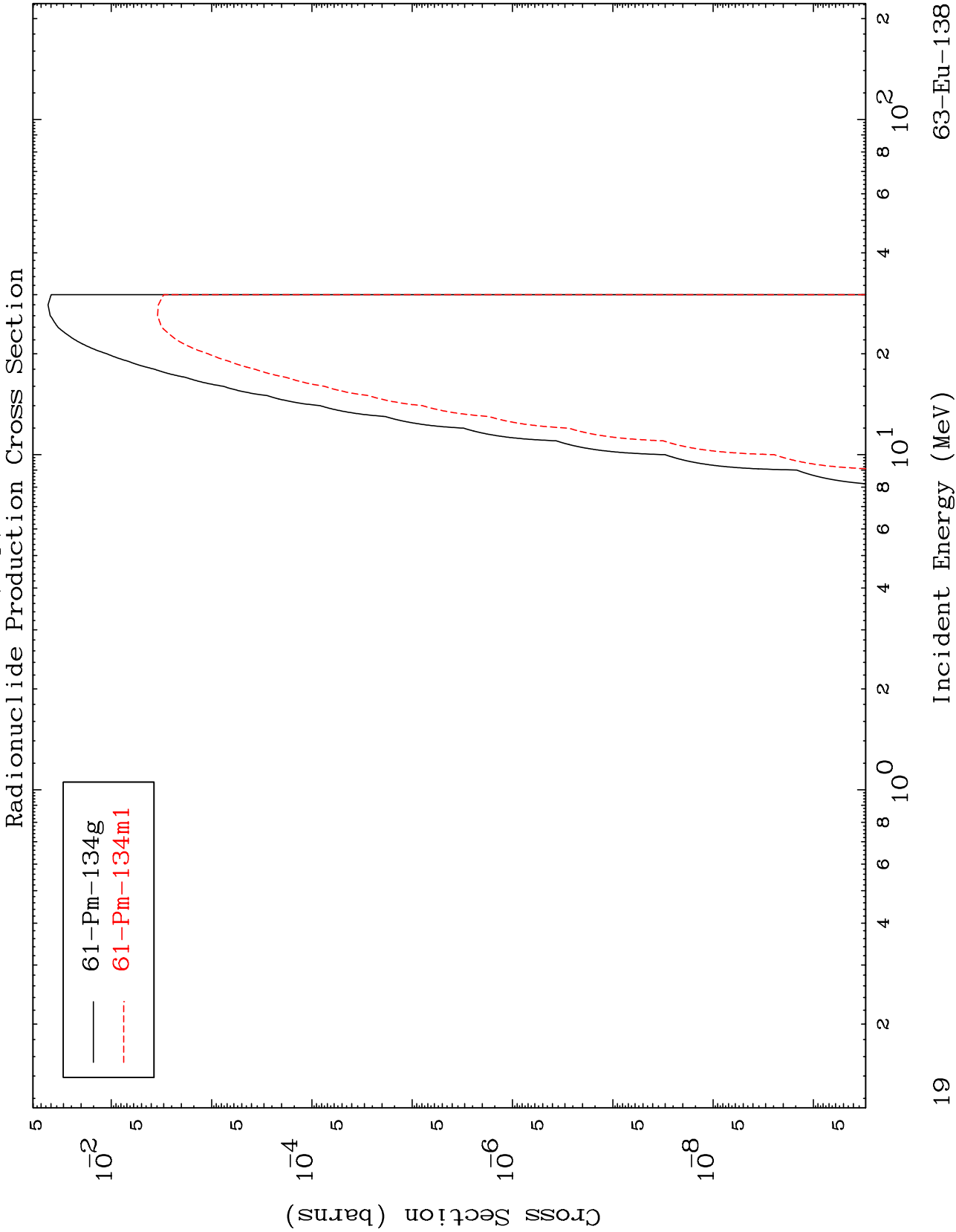
Incident Energy (MeV)

63-Eu-138

MAT 6286

(n,p) α

63-Eu-138

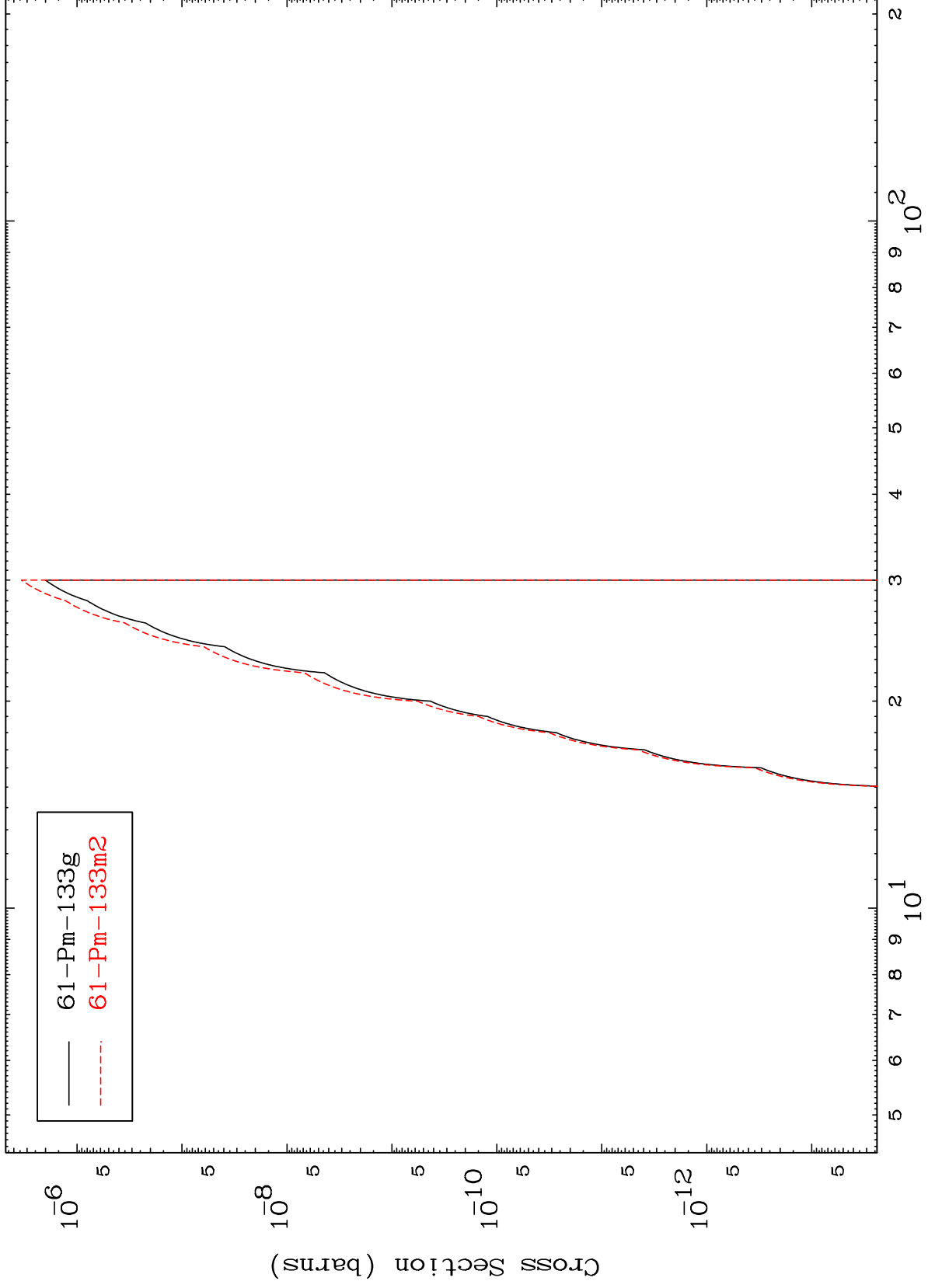


MAT 6286

(n,d) α

63-Eu-138

Radionuclide Production Cross Section



20

Incident Energy (MeV)

63-Eu-138