1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+

Heating

Energy (MeV)

Heating (MeV/reaction)
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
Damage

![Graph showing the damage (MeV-barns) as a function of energy (MeV). The x-axis represents energy (MeV) ranging from $10^{-11}$ to $10^1$, and the y-axis represents damage (MeV-barns) ranging from $10^{-8}$ to $10^{-3}$. The graph includes a line labeled 'damage'.]
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
Non-threshold reactions

![Graph showing cross section vs energy](image-url)
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
Principal cross sections

Energy (MeV)

Cross section (barns)

- total
- absorption
- elastic
- gamma production

Energy (MeV)
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+

Heating

Heating (MeV/reaction) vs. Energy (MeV) graph with a line labeled "heating."
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
Damage
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
Non-threshold reactions

![Graph showing cross sections for (n,gma) and (n,xt) reactions as a function of energy (MeV). The y-axis represents the cross section in barns, ranging from 10^{-5} to 10^1, and the x-axis represents energy in MeV, ranging from 0 to 160. The graph shows a peak at around 20 MeV for the (n,gma) reaction and a gradual decrease for the (n,xt) reaction.]
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,2n)

(n,xp)
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
angular distribution for elastic
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
angular distribution for elastic
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
thermal capture photon spectrum
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
14 MeV photon spectrum
Particle heating contributions

Energy (MeV)

MeV/collision

Energy (MeV)

protons

tritons
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
Recoil Heating

![Graph showing heating vs energy](image-url)
Particle production cross sections

Energy (MeV)

Cross section (barns)

- Protons
- Tritons
1-H-2 FOR FENDL-3.2 FROM ENDF/B-VII BY NJOY2016.60+
angular distribution for (n,gma) triton