

Discussion neutrons

- What is the main difference between neutron and photon interactions?
- Discuss different types of interactions between neutrons and matter
- Why should we worry about thermal neutrons (their mean kinetic energy is 0.025 eV, not ionizing as such)?
- Why is it smart to use hydrogen-rich absorbers as part of neutron shielding devices?
- Explain the difference between endoergic and exoergic reactions. Why is $(\mu_{tr}/\rho) > (\mu/\rho)$ for the latter?
- Why is BF_3 a 'good gas' for an ionization chamber measurements of neutrons?