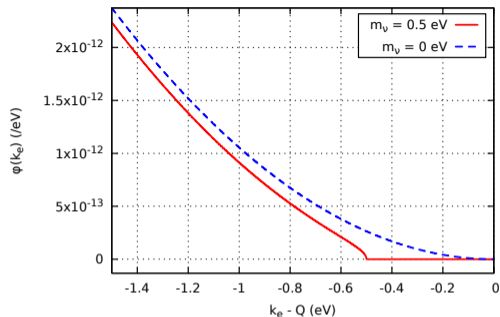
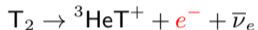
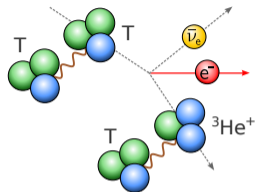


Detect **electrons** from molecular tritium  $\beta$ -decay

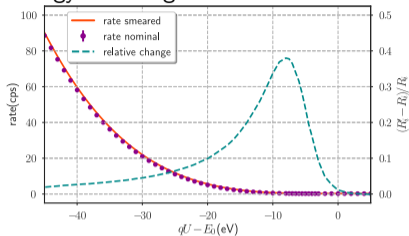


### Blind analysis

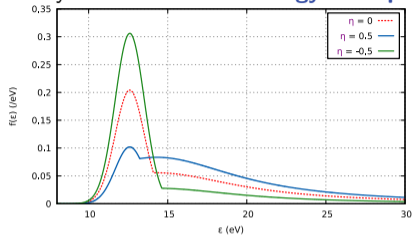
- Prevent observer's bias
- Limit sensitivity before unblinding (Troitsk and Mainz legacy)

$$m_\nu < 2 \text{ eV} \quad (95\% \text{ C.L.})$$

- Allow monitoring and systematic investigations
- **Data** blinding or **model** blinding

Energy smearing of the **data**

... OR

Analysis with modified **energy loss spectrum**

⇒ Can limit the sensitivity

