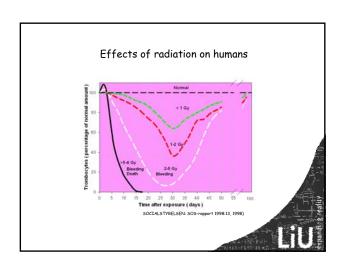
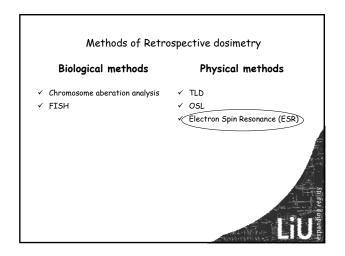
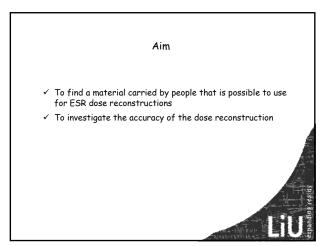
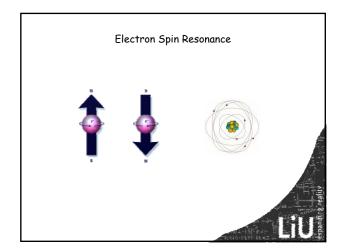


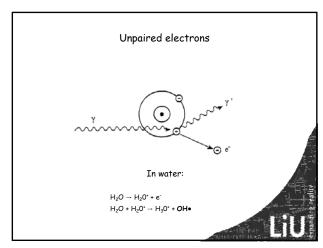
Damage effects Stochastic effects Deterministic effects Occur above a certain radiation dose The cells are reproduced The cells are can not be reproduced and die Organs are damaged

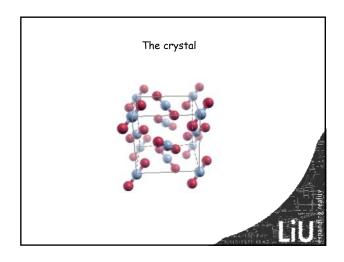


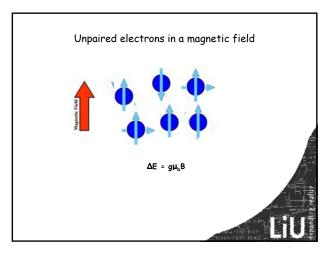


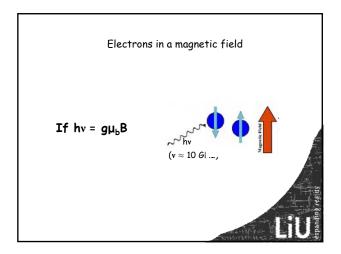


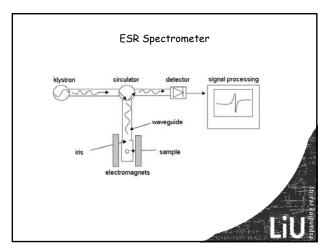


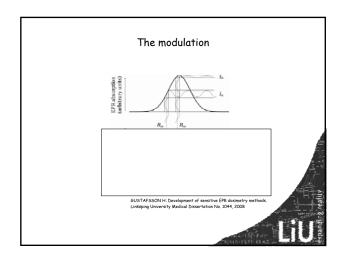


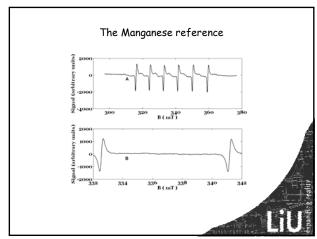


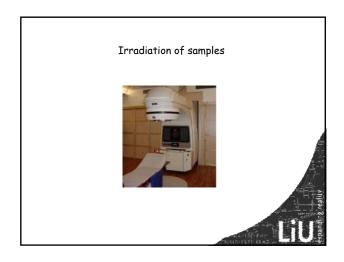


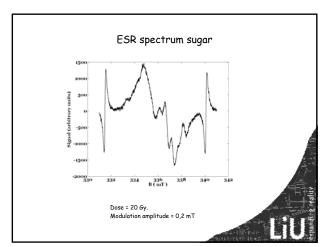


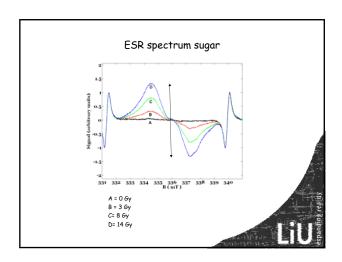


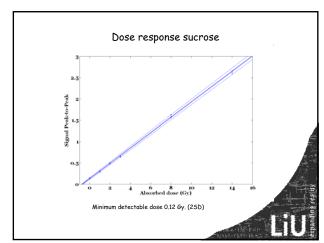




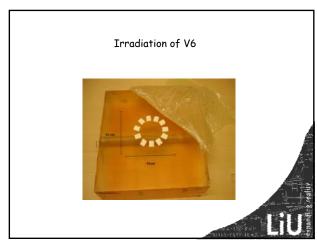




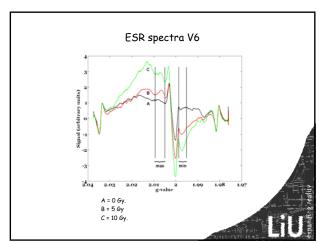


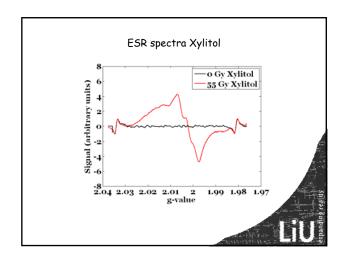


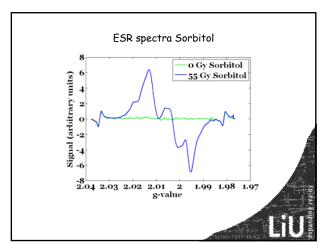


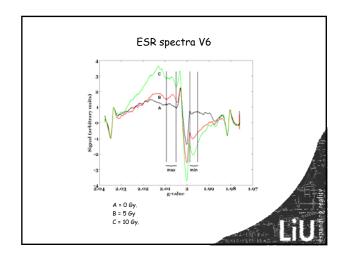


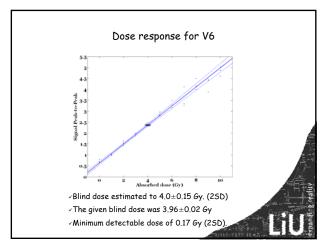


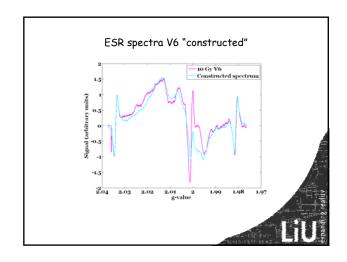


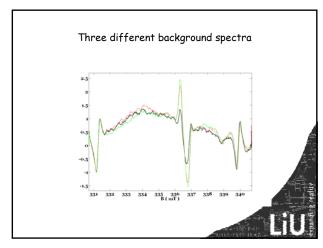


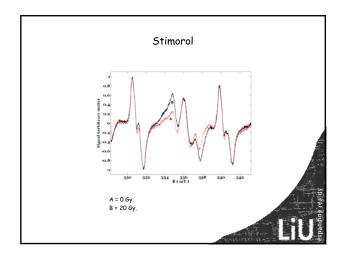


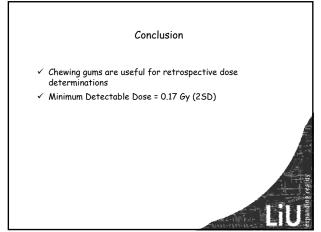






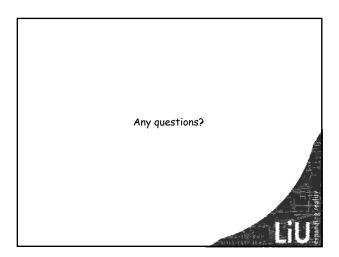






Future work

- $\checkmark\,$ Separate the chewing gum outer layer from the inside content
- $\checkmark\,$ Determine dose response of Xylitol and Sorbitol
- $\checkmark\,$ Investigate signal evolution with time
- $\checkmark\,$ Dose response measurements of Stimorol and Juicy Fruit
- $\checkmark\,$ Increase the sensitivity with a new spectrometer



Thank you for listening!