

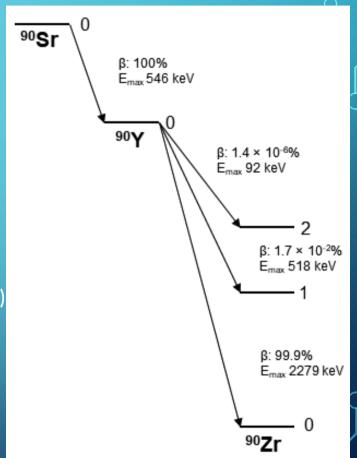
EUROPEAN SUMMER SCHOOL 2024

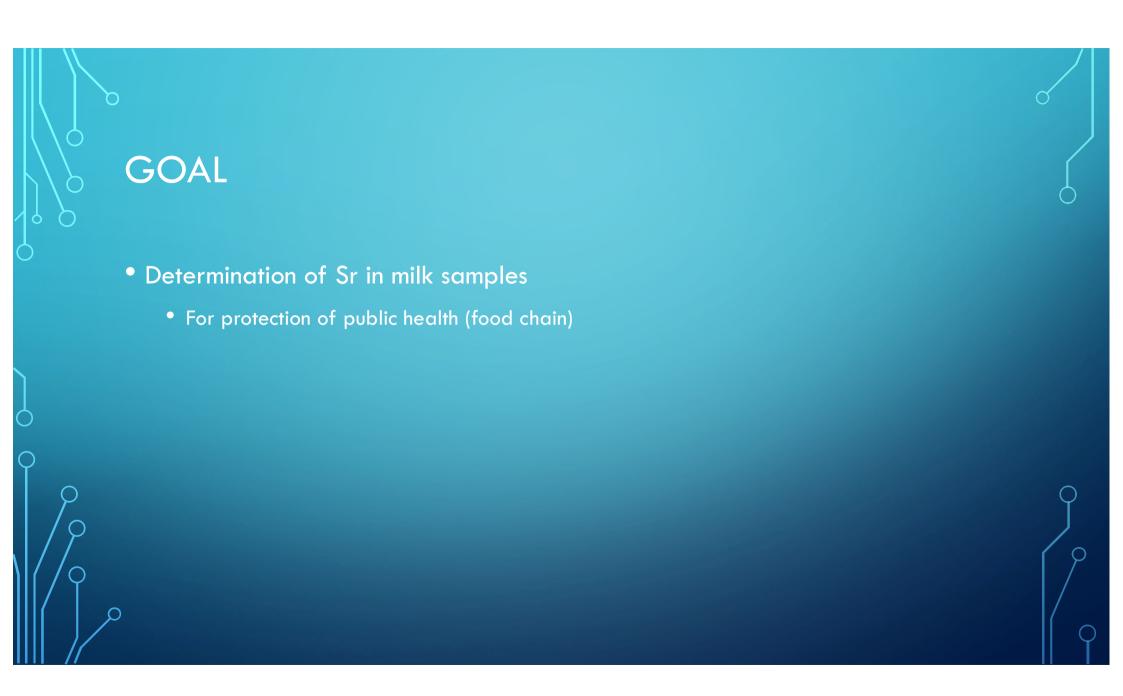
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SR-90

- Strontium-90 is a radioactive isotope produced by
 - Some natural occuring elements (U, Th)
 - Nuclear weapons fallout
 - Nuclear accidents (Chernobyl, Fukushima)
- Pure beta emitter with no gamma signal
 - Pure beta daughter with very weak gamma signal (Y-90)





MEASUREMENT PROTOCOL

- Only measured by beta, inteferences from ⁴⁰K, ⁹⁰Y, ¹³⁷Cs
 - Resin extraction chromatography with Sr-Resin
- Yield measured by ICP-MS

