

Can burial dating benefit from muon tomography ?

Some open questions to discuss.

Per Grafstrom
University of Bologna
August 2024



- ☐ In the literature one can find different p-values
...any recommendation what to use?
- ☐ How have they been corrected to SLHL?
- ☐ What are considered the best p-values "on the market"
- ☐ What are the uncertainties?
- ☐ Why are combined muons sometimes used i.e. no separation between fast and slow?
- ☐ What are the attenuation lengths for combined muons and from where ?

- ☐ When using the simple burial method...how are the uncertainties calculated ?
- ☐ Why are the MIN values not identical to the result of the Simple Method?
- ☐ How are the uncertainties for the MAX method calculated
- ☐ For MAX method...is the iteration method the only possible solution?
- ☐ Density carstic dolomite
- ☐ Composition of the rocks.....are there isotopes that may be isotopes that generate spallation?