

Caesium in mushrooms

While visiting a friend in Sandviken, we went mushrooming. Erik explained that there was no wind, so only the East side of the road did the Caesium rain fall. I, unfortunately, neglected to collect on that side to verify. He identified the mushroom that uptakes Caesium which we collected. When I returned to UCSC I quickly found they contained Cs-137. However not until recently did I reanalyse using my recently purchased MCA. The "check" jpg is the display using a 9.73 μCi (20000810) source. While the ... combined ... jpg is of the mushrooms, which verifyies that they contain Cs-137.

I also measured the β/Γ activity. data page jpg shows this. The last two lines, but one, give the collected activity, and the last the "net" activity.

The M1, 2, 3 are the planchets of the dried mushrooms. I combined them in to one for the xtal detector.

bc 20210601