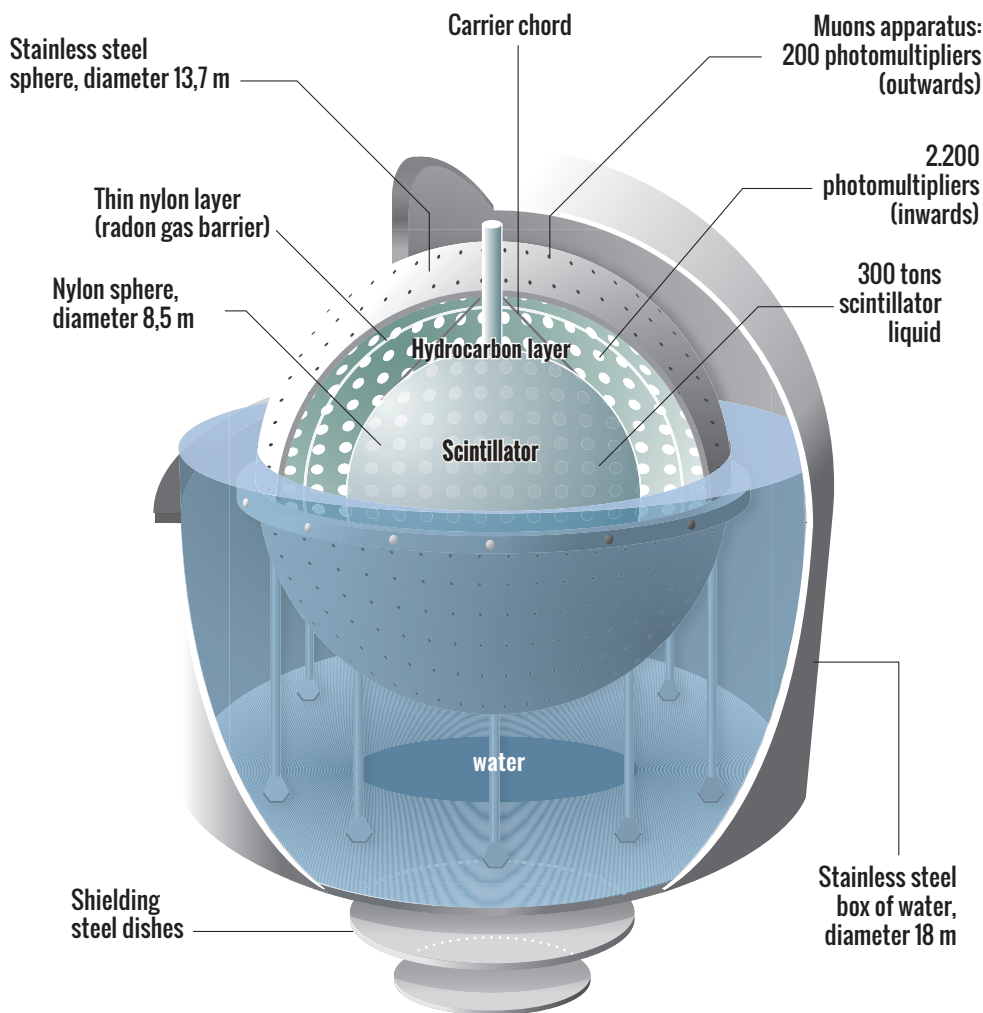


The Borexino experiment



■ Borexino is similar to a "matrioska", dipped in 2.400 tons of highly purified water. Inside it, a steel sphere contains 1000 tons of a hydrocarbon and within a smaller nylon sphere are 300 tons of scintillating liquid

■ In the innermost sphere neutrinos interact with the scintillator liquid and produce small flashes of light. Borexino observes dozens of these signals every day



■ The photomultipliers, which are ultra-sensitive technological eyes, see and record the light flashes produced by the neutrinos