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SuperK-Gd

Thursday, 6 July 2017 17:00 (15 minutes)

The Super-Kamiokande (SK) Collaboration has committed to the the SuperK-Gadolinium project that, by dissolving a Gd salt at 0.2 % in mass in the SK water, will upgrade the detector to be able to identify neutrons with very high efficiency. The current expected time
for refurbishment of SK and start of this new phase is 2018.
In this talk we present the physics benefits of high efficiency neutron tagging in Super-Kamiokande, the very extensive R&D program followed towards the decision, and the most relevant steps in the implementation of the SuperK-gadolinium project.

Experimental Collaboration

Super-Kamiokande

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