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Tests on the first crystals for KIMS-NaI experiment

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KIMS-NaI is a dark matter search experiment using NaI(Tl) as a scintillating crystal at the Yangyang underground laboratory to verify the DAMA experiment. Two NaI(Tl) crystals grown from different powders and with different sizes are used in a test experiment. The crystals coupled to two PMTs that have high quantum efficiency were surrounded by twelve CsI(Tl) crystal used for KIMS-CsI experiment. Data from the first two months is analyzed with multiple parameterizations. Identification of the various kinds of backgrounds and future perspective of the experiment will be presented.

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