Muon catalyzed fusion can ignite lattice-assisted nuclear reactions

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The lattice-assisted nuclear reaction (LANR), also known as cold fusion, is active for long period of time if the process successfully initiated. This long time activity indicates that, the conditions are sufficient for maintaining the reaction. The known reproducibility problem of LANR; therefore, most likely result from the uncertainty of the ignition process. It is hypothesized that muons from cosmic rays ignite the LANR fusion reaction, which then becomes self-sustained. Exposing the reactor with high intensity muon flux, and igniting the fusion by that, could eliminate the reproducibility problem of the LANR experiments.