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Si-Get Project in HKU

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Silicon Array based on Double-sided Silicon Strip Detector (DSSD) is one of the most important detection system for Radioactive Nuclei far from stability in Modern Nuclear Experiments. Silicon array with large coverage and high granularity and related techniques are developed in major laboratories & universities around the world. In HKU's Si-GET Project, we plan to develop large Si detection array for the study of exotic decay and nuclear reaction far from stability valley. For the moment, we have successfully applied the GET system to DSSD readout, by using 2 Cobo and multiple AsAd boards with Narval DAQ. Energy resolution (FWHM) from the Si test is around 50 keV@5.15 MeV (alpha source). In future, we plan to conduct a commissioning run in @HIRFL in Lanzhou to apply GET system into a Nuclear experiment.

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