SOlar Neutron and Gamma-ray Spectroscopy Mission: SONGS

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SONGS

Motivations

Solar neutrons have been mainly observed from the ground, but have not progressed so far. + There is no space mission planned in near future.

→ To overcome this situation, we have a plan to launch the satellite dedicated for solar neutron observations.

Overview of mission

- 3U CubeSat Project
 - Nagoya University + Meijo University
- Novel neutron/gamma-ray sensors with
 - Compact: within 10 cm x 10 cm x 12 cm
 - light weight: 2 kg
 - Low power: 4 W

using scintillator arrays and MPPCs, readout by ASICs.

Questions and comments

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