

Observation of burst activity from SGR1935+2154 associated to first galactic FRB with H.E.S.S.

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What is this contribution about?

The contribution describes observation of first potential FRB source during its active state with H.E.S.S.

Why is it relevant / interesting?

We performed first observations of a magnetar in a flaring state in the very-high energy domain.

What have we done?

H.E.S.S. has observed SGR1935+2154 over a 2 hour window few hours prior to the FRB detection by STARE2 and CHIME. The observations overlapped with other X-ray bursts from the magnetar detected by INTEGRAL and Swift-BAT.

What is the result?

Obtained upper limits on the VHE emission from flaring magnetar allows us for testing SGR models in VHE regime.

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