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Search for FRB repeater counterparts with INTEGRAL

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Up to date, there is only one FRB counterpart observed in hard X-rays. Bursts from a peculiar magnetar SGR 1935+2154 associated with FRB 200428, detected by INTEGRAL. In this work, an extensive search for hard X-ray bursts below the automatic INTEGRAL ISGRI-IBIS detection threshold that would be spatially and temporally coincident with the activity of recently active FRB repeaters has been performed. Targets FRB20220912, FRB20240209A and FRB20240114A have been investigated.

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