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## X-ray and radio diagnostics of energetic electrons in the solar corona with STIX, Fermi, the Nancay Radioheliograph and the ORFEES spectrograph

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Solar flares are one of the common sources of solar energetic particles filling the heliosphere. The details of particle acceleration and escape from the solar atmosphere are still a subject of close investigation, and one of the scientific questions addressed by the Solar Orbiter mission. In this paper we will present preliminary results of an event that occurred on 9th May 2021, for which the thermal and non-thermal X-ray signatures were detected both from Solar Orbiter by STIX and from the Earth direction by Fermi/GBM, at different viewing angles. This event was well observed in radio with the ground-based instruments in Nançay: the ORFEES spectrograph and the Nancay Radioheliograph providing both spectral and spatial information . The X-ray event shows both an impulsive phase observed above 25 keV by STIX and FERMI and followed by a more gradual phase observed below 10 keV by STIX. In the decimetric/metric radio domain, this event shows a group of type III bursts extending to the interplanetary medium as well as type IV emission above 400 MHz. We shall discuss here the relative temporal evolutions of HXR emissions at different energies with those of the radio fluxes at different frequencies, as well as the spatial evolution of the radio sources at different frequencies. A first comparison of the HXR spectra of the event viewed under different angles will also been discussed.

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