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Type: **Talk**

Dark Matter searches with Spectrum-Roentgen-Gamma (SRG) space observatory

Friday 11 September 2020 09:30 (30 minutes)

About a year ago launched SRG carries eROSITA and ART-XC X-ray telescopes on board and will contribute considerably to cosmology by investigating cosmic large scale structure properties associated with galaxy clusters. Four years of data taking will allow to observe all the galaxy clusters formed in the visible Universe. At the same time SRG can reveal the nature of Unknown Components of the present Universe by probing specific particle physics models of dark energy and dark matter. In particular, dark matter particles decaying (e.g. sterile neutrinos) or annihilating with keV-scale photons in the final state can be probed with eROSITA (energy range 0.2–10\,keV) and ART-XC (4–30\,keV) X-ray telescopes aboard, including tests of the controversial 3.5keV line.

Is this abstract from experiment?

Internet talk

Yes

Name of experiment and experimental site

Is the speaker for that presentation defined?

Details

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