

**Faculty of Physics**

<b>Name and Surname</b>	<b>Organizational Unit</b>	<b>Keywords connected to research interests</b>
Tomislav Terzić	Division of Theoretical Physics and Astrophysics, Laboratory for Astroparticle Physics	Lorentz invariance violation, quantum gravity, very-high-energy gamma-ray astronomy and astrophysics, active galactic nuclei

<b>SCIENTIFIC SUPERVISOR</b>	
<b>Name and Surname</b>	Associate Professor Tomislav Terzić
<b>UNIRI Faculty</b>	<a href="#">Faculty of Physics</a>
<b>Organisational Unit / Research Group</b>	Division of Theoretical Physics and Astrophysics, Laboratory for Astroparticle Physics
<b>Research Team (Members)</b>	<a href="https://wrinkle.uniri.hr/team/">https://wrinkle.uniri.hr/team/</a>
<b>Research Interests</b>	Our primary interest is searching for evidence of Lorentz invariance violation (as a possible consequence of quantum gravity) in the very-high-energy signals from astrophysical sources. Mainly, we are focused on active galactic nuclei and gamma-ray bursts. We are involved in experiments CTAO-LST, MAGIC, and SWGO. We are also tightly collaborating with theoretical groups to develop models of Lorentz invariance violation and doubly special relativity. More details can be found in <a href="https://wrinkle.uniri.hr/projects/">https://wrinkle.uniri.hr/projects/</a> .
<b>Keywords (max. 5) connected to your research interests:</b>	Lorentz invariance violation, quantum gravity, very-high-energy gamma-ray astronomy and astrophysics, active galactic nuclei
<b>EU-funded project experience</b>	ERC-2025-SyG applicant (evaluation in progress), Croatian Science Foundation starting research grant applicant (evaluation in progress), UNIRI research grant PI.
<b>Scientific panel</b>	Physics
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