

User Workshop on Advanced Technology (UWAT), *Friday, 28.06.24.*
 Four parallel sessions. Rooms – ELI conference room, dark room, Hilase room, lounge room

Morning sessions (cca 9:00 – 12:00)	<p>Science with coherent XUV sources. Part 1</p> <ul style="list-style-type: none"> coherent XUV sources coherent XUV applications <p>Chair: Eva Klimešová (BL) Co-Chair: Zsolt Diveki (ALPS)</p>	<p>Generation and applications of ultrashort structured light</p> <ul style="list-style-type: none"> acceleration with structured light spatiotemporal vortices; applications to plasma optics; applications in high harmonic generation <p>Chair: Subhendu Kahaly (ALPS), Co-Chair: Mihail Cernaianu (NP)</p>	<p>Secondary sources for cultural heritage and space radiation</p> <ul style="list-style-type: none"> Ions, electrons, and X-rays for cultural heritage applications Ions, electrons, and X-rays for space radiation applications <p>Chair: L. Giuffrida (BL) Co-Chair: V. Malka (NP)</p>	<p>Electron-Photon Collision Platforms at ELI</p> <ul style="list-style-type: none"> Experimental platforms Pilot science cases Technical requirements and challenges <p>Chair: S.V. Bulanov (BL) Co-Chair: P. Tomassini (NP)</p>
	<p>Science with coherent XUV sources. Part 2</p> <ul style="list-style-type: none"> coherent XUV sources coherent XUV applications <p>Chair: Eva Klimešová (BL) Co-Chair: Zsolt Diveki (ALPS)</p>	<p>Ultrafast Techniques in Material and Surface Studies</p> <ul style="list-style-type: none"> Optical spectroscopy, molecular dynamics Ellipsometry Material science applications <p>Chair: Péter Dombi (ALPS) Co-Chair: Miroslav Kloz (BL)</p>	<p>Advances in high rep-rate target technology</p> <ul style="list-style-type: none"> Cryogenic and liquid targets Gas targets tape drive others <p>Co-Chair: V. Leca (NP) Co-Chair: T. Chagovets (BL)</p>	<p>10-PW Laser-Plasma Platforms at ELI</p> <ul style="list-style-type: none"> Experimental platforms Pilot science cases Technical requirements and challenges <p>Chair: S. Weber (BL), Co-Chair: D. Doria (NP)</p>

Each session will include:

- report from the ELI instruments (*Technology Advancement, R&D*) ~ 2 talks
- inputs from Users (*Applications of Technology*) ~ 2 talks
- Round Table discussion (~40 mins)