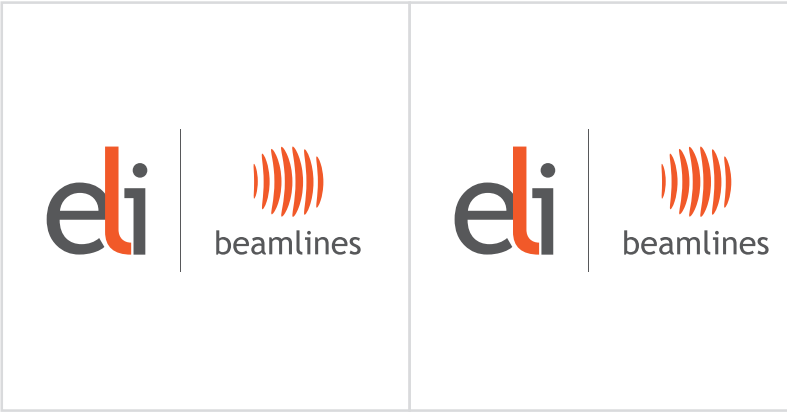
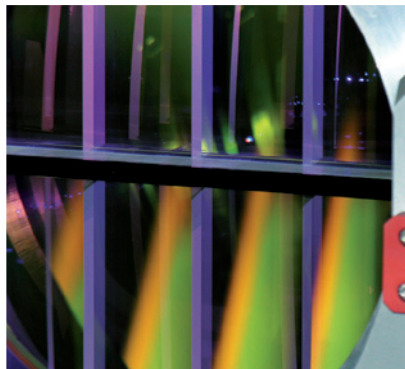
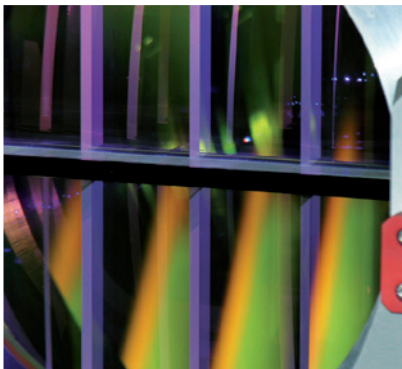


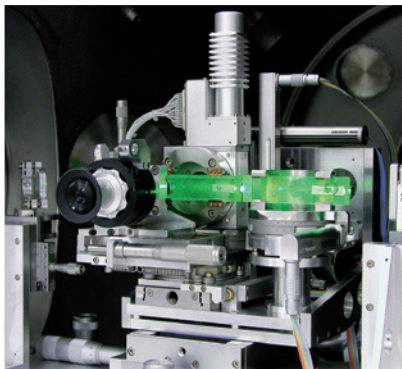




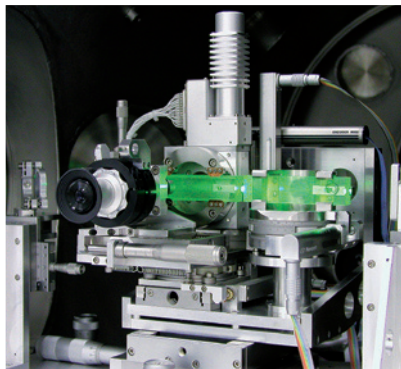
1. fokusační optika



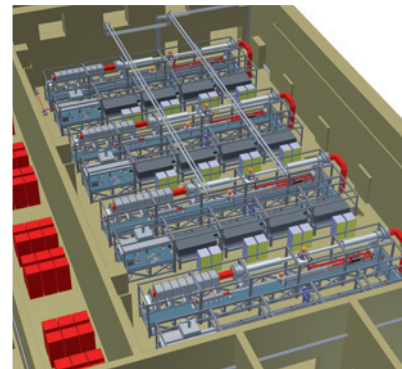
1. focusing optics



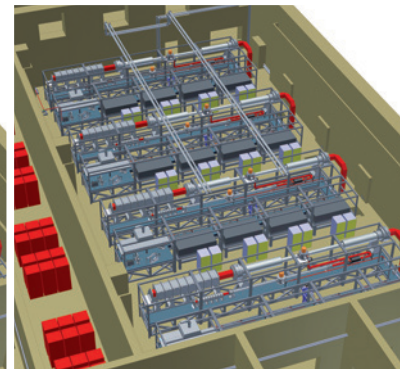
2. rentgenový interferometr



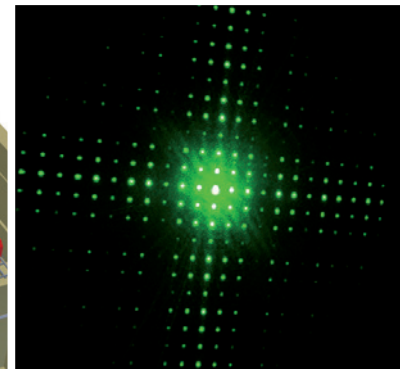
2. X-ray interferometer



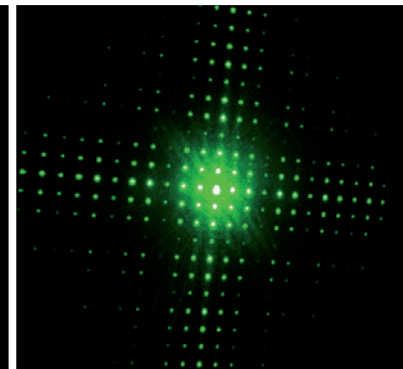
3. čerpací lasery



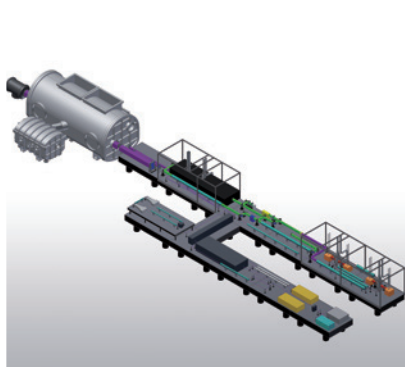
3. pump lasers



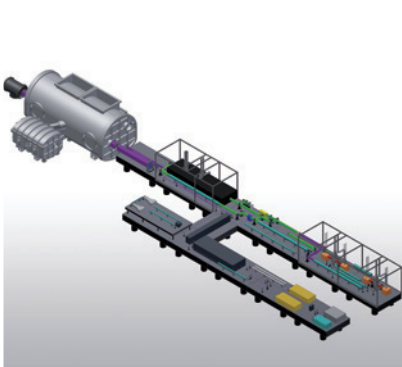
4. difrakční obrazec



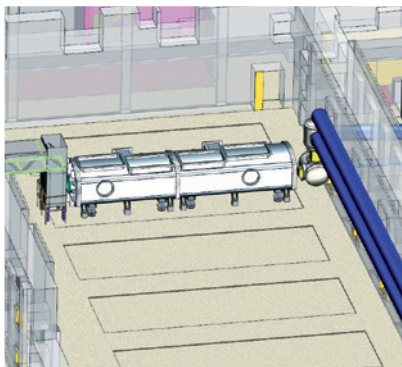
4. diffraction pattern



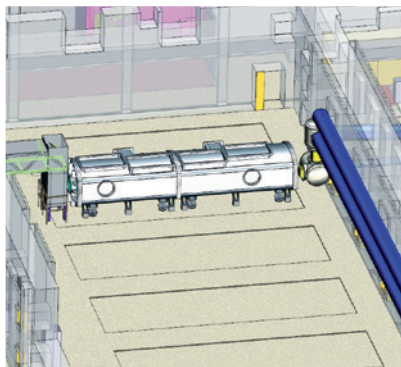
5. petawattový laser



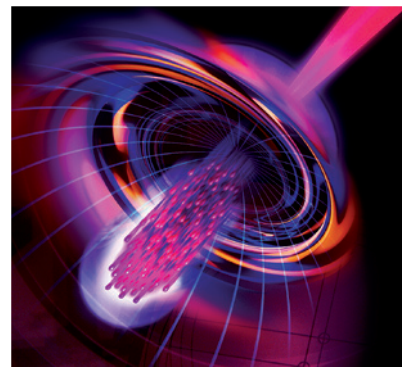
5. PW laser



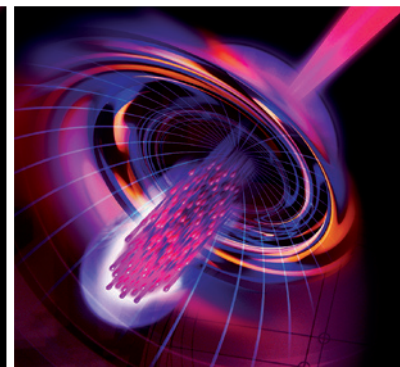
6. kompresor pulsu



6. pulse compressor



7. urychlení částic



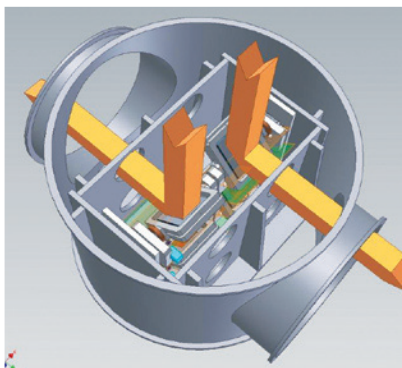
7. particle acceleration



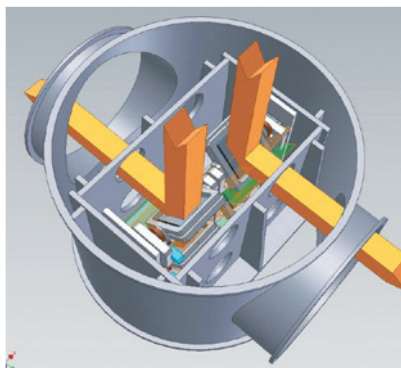
8. Laserové centrum ELI Beamlines



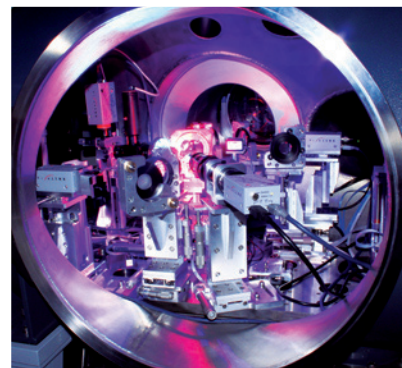
8. ELI Beamlines laser facility



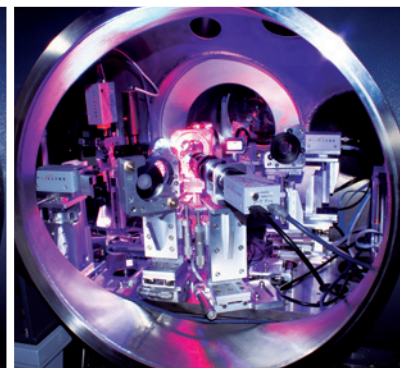
9. distributor svazků



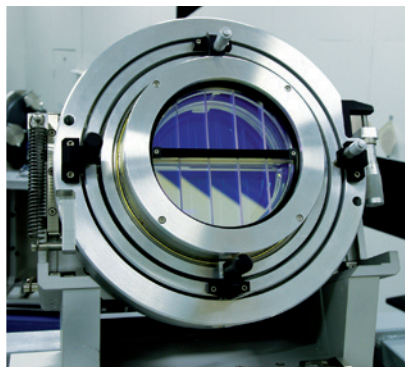
9. beam distributor



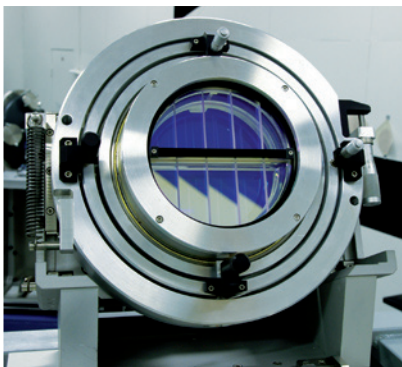
10. laserový experiment



10. laser experiment



11. sada čoček



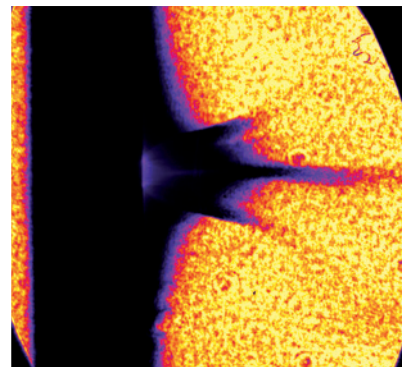
11. lens set



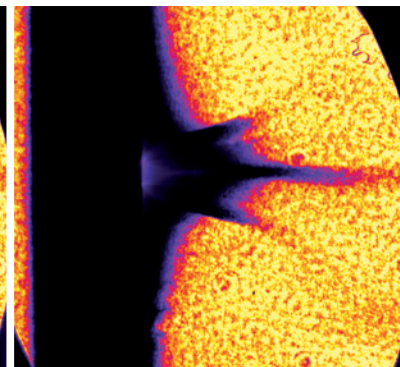
12. kompresor pulsu



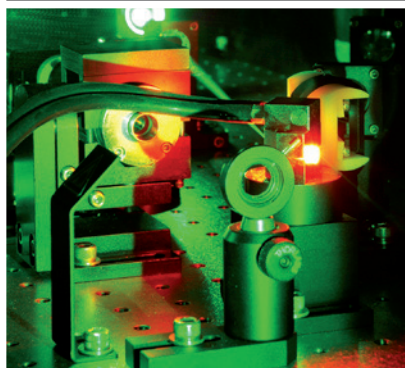
12. pulse compressor



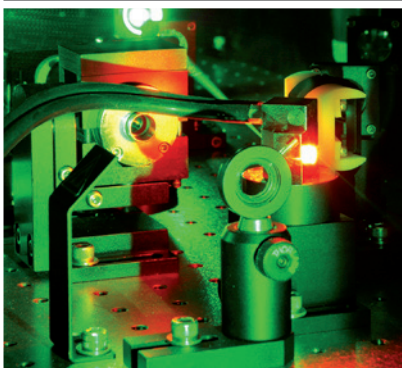
13. laserové plazma



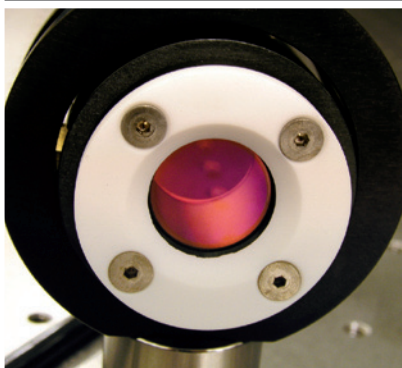
13. laser plasma



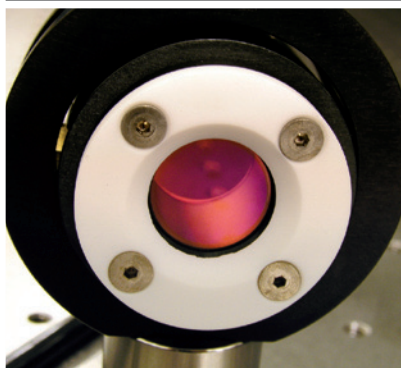
14. Ti: safírový laser



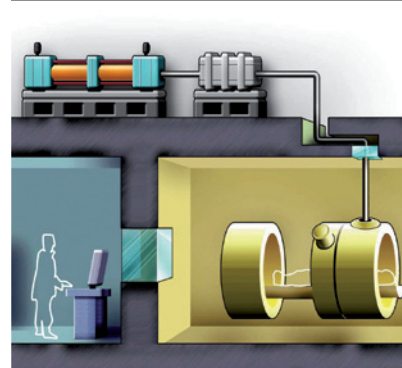
14. Ti-sapphire laser



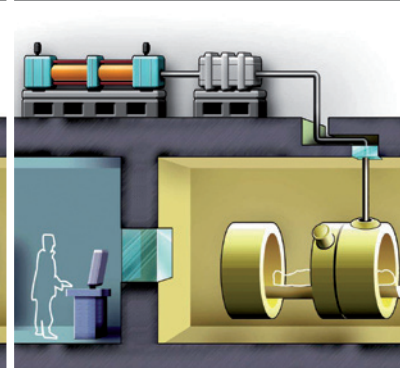
15. safírový krystal



15. sapphire crystal



16. protonová terapie



16. proton therapy



ELI Beamlines

V České republice vzniká nejintenzivnější laser pro uživatelský výzkum. Světově unikátní výzkumné centrum nedaleko Prahy přinese nové poznatky využitelné nejen ve fyzice, ale i v biologii, lékařství, materiálových vědách, astrofyzice a řadě dalších oborů. Centrum ELI Beamlines se má stát také atraktivní platformou pro výchovu nové generace vědeckých talentů – vždyť v něm budou pracovat vědci z celého světa.

ELI Beamlines, the high-energy beam facility of the Extreme Light Infrastructure, is being built in the Czech Republic. This one-of-a-kind research centre will provide the international scientific community with unprecedented conditions for the performance of world-class research not only in physics, but also in a variety of other scientific disciplines such as biology, medicine, materials science or astrophysics. ELI Beamlines will also represent an ideal training and educational environment for a new generation of students and young scientists working on the multidisciplinary applications of ELI.

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