

Strategy and planning for construction of next-generation ultra-intense laser facility in Korea

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In the past decade, we have constructed PW [1,2] and multi-PW laser [3] beamlines at the Ultrashort Quantum Beam facility (UQBF), APRI, GIST. In order to meet the demanding requirements for ultra-intense laser facilities in the future, we are planning the next-generation ultra-intense laser facility in Korea. The new laser facility will be equipped ultra-intense lasers having a peak power of about 100 PW. In this presentation, we will discuss briefly the plans for constructing an ultra-intense laser facility of the next generation in Korea, as well as the research ideas for laser particle acceleration using the laser facility.

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References

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