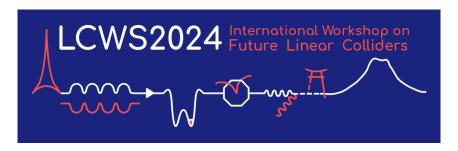
International Workshop on Future Linear Colliders, LCWS2024



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Physics Considerations for 10-30 TeV e+e-, $\gamma\gamma$, and $\mu+\mu$ - Colliders

Tuesday, 9 July 2024 09:20 (20 minutes)

After the program of Higgs boson physics at a linear collider is completed, we expect that the long, straight tunnel can be used with advanced acceleration methods, such as plasma wakefield, to create a higher-energy collider in the 10's of TeV CM region. This might be an e+e- or a $\gamma\gamma$ collider. (Circular) muon colliders are also discussed for this energy regime. I will discuss the physics goals of these machines, the luminosity requirements, and the trade-offs among the $\mu+\mu$ -, e+e-, and $\gamma\gamma$ options.

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