



Contribution ID: 139

Type: **Invited talk**

an update on advanced plasma accelerator activities in China

Friday, September 23, 2022 10:00 AM (30 minutes)

In this talk, an update on advanced plasma accelerator technology development in China will be presented. First, recent relevant research activities in the major laser labs in china (THU, PKU, SJTU, SIOM, LFRC) will be reviewed. Then two major initiatives on plasma wakefield accelerator involving two major accelerator labs in China (IHEP and Shanghai Light source) will be introduced. In the end, recent results from a long term (more than 7 years) laser development program in China on industry level compact TW-PW lasers will be presented, and a funded new major laser plasma accelerator facility in Henan Province based on this laser development will also be introduced.

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Session Classification: Special Topic