

MONDAY

# COLLOQUIUM

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## Little drops make a mighty accelerator

M Krishnamurthy (TIFR, Hyderabad)

15 Jul 2024 (Monday) | 16:00 Hrs (Tea / Coffee 15:45 Hrs) | Venue: TIFRH Auditorium

Acceleration of particles (electrons, ions, **neutral atoms**) is essential for modern fundamental science and innumerable applications. Using intense lasers as a means to accelerate particles has been of interest over the past 3 decades. Ability to make compact accelerators that make short pulse **beams** with much **smaller** source **size** over conventional methods have been compelling features in this research. To **take these** beyond demonstrative science requires finding new mechanisms of laser absorption. I will **highlight a** novel method developed at TIFR Hyderabad that brings out hitherto unseen particle energies brought forth with the smallest lasers ever used in such experiments.