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The SwissFEL X-Ray Laser Project

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The Paul Scherrer Institute is planning the construction of a X-ray free electron laser (SwissFEL), which will produce 20 fsec pulses of coherent x-rays in the wavelength range 0.1 to 7 nm, with extremely high peak brightness. These characteristics will provide opportunities for new experiments in chemistry, solid state physics, biochemistry and materials science. The presentation will focus on novel applications with the weight on gaining structural information, the description of the fundamental aspects of the planned facility, and last but not least the milestones towards the planned operation.

Presenter: Dr ABELA, Rafael (Project Leader Photonics, swiss FEL, PSI)

Session Classification: Free Electron Lasers

Track Classification: Free Electron Lasers