

Physikalisches Kolloquium

Donnerstag, 09.01.2020, 16:30 Uhr – Hörsaal 5J

SPECIAL RELATIVITY AND STRONG FIELDS

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Special Relativity (SR), the foundation of modern physics, experiences a renaissance as a discipline and is rapidly evolving: We are probing the acceleration/strong electromagnetic field frontier in relativistic heavy ion experiments, and thinking ahead to the very high intensity laser-particle interaction. We are facing a challenge: Teaching of SR to future researchers in these field. SR remains poorly represented in many introductory text books. No-expert lecturers do not correctly understand SR and related elementary physics phenomena. The unfinished formulation of SR when forces are not gravity will be explained. Strong EM fields will be introduced.



Ab 16:00 Uhr Kaffee, Tee und Gebäck im Foyer vor dem Dekanat der
Math.-Nat.-Fakultät (Gebäude 25.31. Ebene 00)

Für die Dozenten der Physik
Prof. Dr. S. Schiller