



Professor Markus Roth is a distinguished professor of physics at the Institut für Kernphysik, TU-Darmstadt, where he has been since 2003. He leads an internationally recognized research group with the main focus on dense plasma physics, advanced diagnostic methods, and particle acceleration by ultra-intense lasers. Roth has served his community as a reviewer for funding agencies (NSF, DOE, NNSA, CCLRC, IUF and others), in addition to refereeing for the standard scientific journals. As an author of more than 190 refereed articles, more than 200 invited talks at international conferences, and having supervised 36 PhD students in recent years, he is a well-established member of the scientific community. His work is especially recognized in inertial confinement fusion (ICF), fast ignition, and research in novel ion acceleration concepts using ultra-intense lasers and their applications. His current research is in the area of neutron production following high-power laser interactions with materials.