

Impact experiments with an impact velocity higher than 10 km/s and recovery of craters and ejecta

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We accelerate glass and aluminum spheres to a velocity higher than 10 km/s using a high-power laser. The projectiles collided to copper targets. The copper plates are recovered and craters are observed. Also, a tantalum plate as a witness plate is recovered and a large number of craters caused by ejecta impacts are observed.