

FIRST TESTS TO REDUCE THE ENVIRONMENTAL EFFECTS OF THE LARGE BLAST SIMULATOR REITERALPE

KLUBERT,L.

To avoid damages outside the Large Blast Simulator (LBS) which are related to the excessive air blast, the Erprobungsstelle Oberjettenberg and the Ernst Mach Institut with its model of the BS looked for a way to reduce or damp the energy of the air blast.

Heavy constructions like steel diffusors or chain curtains as well as a water curtain are hard to realize.

For this reason the damping abilities of aqueous foam was examined. The tests were done in the model LBS as well as in a large scale in the tunnel system of Reiteralpe and in the LBS itself.

A description of the technical realization and the results of the damping effect of foam will be presented.