

## **AIRBLAST INTRUSION EFFECTS IN A FULL-SCALE TUNNEL IN HARD ROCK FROM CONVENTIONAL WEAPON DETONATION"**

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Many hardened military facilities are being built around the world in rock chambers. Those structures have openings, in the form of long access tunnels, whose entrances (or portals) are exposed to airblast effects from direct hits and near-misses of explosive warheads.

This paper discusses the results of selected experiments, and compares the airblast produced by the various explosives. The empirical data are compared with accepted standard predictive results, largely based on scale-model tests. The results from a bare charge detonation are compared with a numerical hydrocode computation. This new empirical data base is critically needed to modify and improve the existing