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**MEETING
PAPER**



**On-Site and Laboratory Researches of Rock
Salt Deformability**

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ON-SITE AND LABORATORY RESEARCHES OF ROCK SALT DEFORMABILITY

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Abstract

The objective of this paper is to present parameters change in rock salt deformability (ν , E and G), obtained "in-situ" in function of chambers development through controlled drillholes leaching from a mine. Formation of chambers during salt leaching, permanently changes the image of a salt massif and consequently the parameters of rock salt deformability, while dramatic changes are caused by salt water pressure variations within chambers. It should certainly be underlined that a state of rock salt deformability with the Poisson coefficient $\nu = 0,485$, appearing when chambers are released from inner pressure of salt water, provokes no fracture in a salt massif, and by reestablishing the inner pressure within chambers, a rock salt deformability gradually reaches its previous state.

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