

Institut für Mikroproduktionstechnik

Arbeitsinhalt	
include, among others, atomic clocks, atomic gyroscopes, ato optically pumped magnetometers. For these packages, the he or more components is essential to prevent gas exchange wit This allows the composition of the atmosphere, as well as the inside the cell, to be precisely controlled. For the miniaturisation systems, the hermetic cells are to be produced with microtech manufacturing processes by hermetically bonding the comport additional thin films. One promising method is the Transient L (TLP process).	mic interferometers or ermetic sealing of two h the environment. pressure conditions on of the quantum nological nents with the help of iquid Phase process
Voraussetzungen	Starttermin
<ul> <li>Independent working methods</li> <li>Interest in microsystem technology</li> </ul>	From now on
	Hermetic packages form the basis for miniaturised quantum sinclude, among others, atomic clocks, atomic gyroscopes, atoo optically pumped magnetometers. For these packages, the hermony of more components is essential to prevent gas exchange with This allows the composition of the atmosphere, as well as the inside the cell, to be precisely controlled. For the miniaturisation systems, the hermetic cells are to be produced with microtech manufacturing processes by hermetically bonding the comport additional thin films. One promising method is the Transient L (TLP process). The aim of the work is to develop and evaluate a reliable, represented using TLP.



