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## Pressure Effect on Iron Based Superconducting Materials

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By Moorthi Kanagaraj

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Taschenbuch. Book Condition: Neu. 220x150x8 mm. This item is printed on demand - Print on Demand Neuware - In condensed matter physics, there is still an enough space for the peculiar interest on high  $T_c$  superconductors, which may bring to another Nobel Prize for the 25 years question of 'what cause to holds the cooper pair together in high  $T_c$  superconductors or a clear understanding of how they work at high temperatures are still in progress. The publication of more than 1,50,000 refereed papers on this topic, there is still no acceptable explanation and indeed, there has been no increase in  $T_c$  from 160 K for the last 25 years. One of the most important goals in the field of superconductivity is to recognize the properties favorable for pushing  $T_c$  to ever higher values ( 300 K) by tuning of reasonable factors such as temperature, pressure, chemical doping or internal pressure and magnetic field for applications. Therefore, the major objective of this book work is just would give few ideas about an importance of external pressure over the recent Fe based superconducting materials. I hope it would be very helpful for those who...



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