





occupy both tetrahedral sites along the [111] direction, forming the "T+T structure" of Pd<sub>4</sub>H<sub>2</sub>, also with  $\alpha =$

also contribute to destabilization. This self-limiting process controls the maximum amount of incorporable hydrogen

the NaCl structure of PdH or occupy *one* of the T sites,

Our study indicates that the equilibrium H-H dis-

