

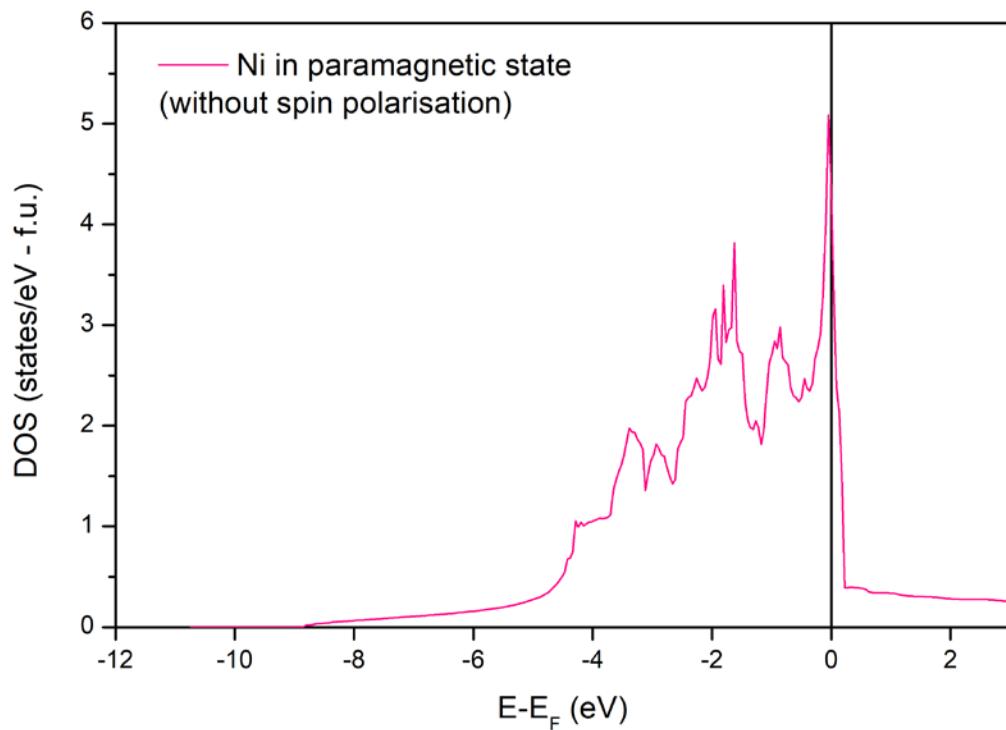
## Supplementary Materials

### Pd–H and Ni–H Phase Diagrams using Cluster Variation Method and Monte-Carlo Simulation

Natacha Bourgeois<sup>a</sup>, Pierre Cenedese<sup>a</sup>, Jean-Claude Crivello<sup>a</sup> and Jean-Marc Joubert<sup>a</sup>

<sup>a</sup>Université Paris Est, ICMPE (UMR 7182), CNRS, UPEC, F-94320 Thiais, France

#### 1. Density of states (DOS) of Ni without spin polarisation (SP)



#### 2. Density of states (DOS) of Pd (without SP) and Ni (with SP)

