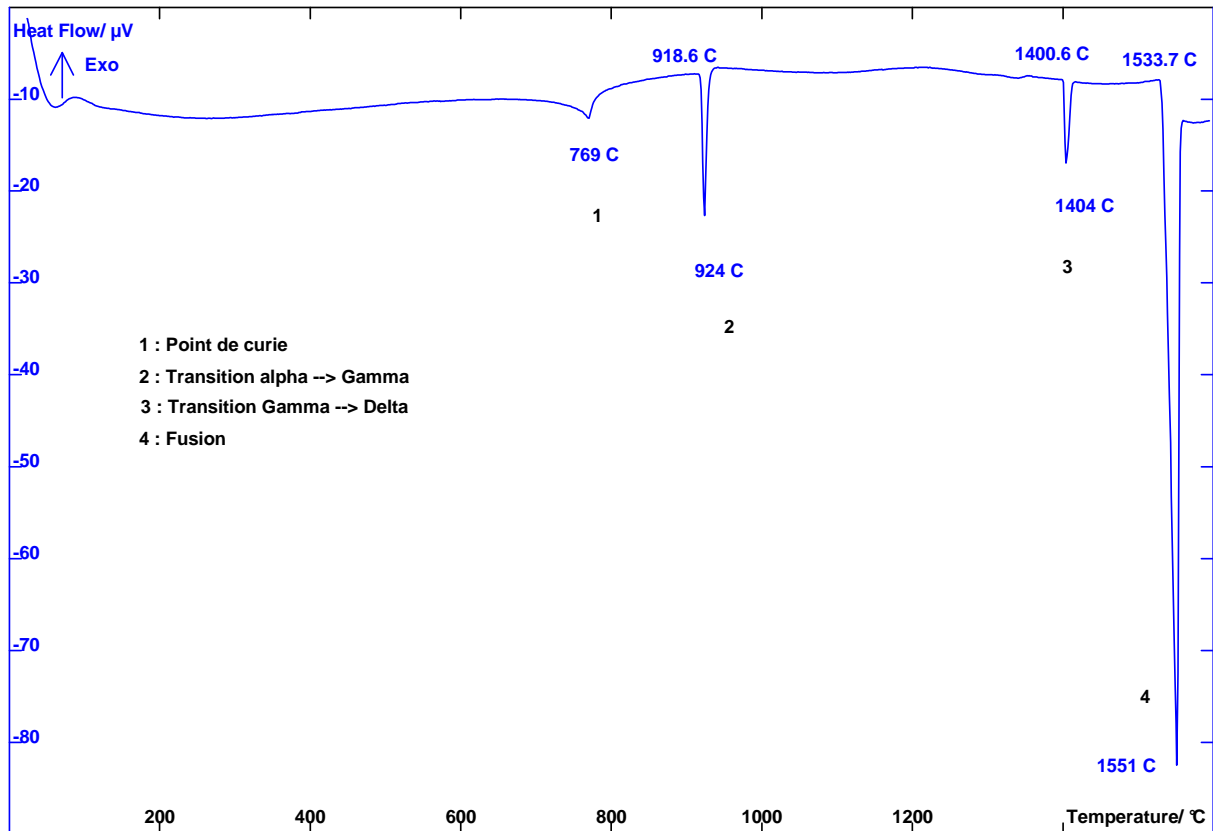


Phase transitions and melting of iron



Experimental :

Instrument : Labsys DSC 16
 Sample : iron
 Sample mass : 229.59 mg
 Crucible : alumina
 Atmosphere : Argon
 The temperature is programmed from 20°C up to 1600°C at 10 K.min⁻¹.

Conclusion:

Different events may be observed during the heating :

at 769°C : curie point
 at 924°C : $\alpha \rightarrow \gamma$ transition
 at 1400.6°C $\gamma \rightarrow \delta$ transition
 at 1533.7°C : melting of iron

Instrument :

Labsysevo DTA
 ambient / 1600°C



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