

## Recent Mossbauer results using $^{119}\text{In}$

*Thursday 9 December 2010 17:10 (20 minutes)*

$^{119}\text{Sn}$  Mössbauer spectroscopy utilizing implantation of  $^{119}\text{In}$  ( $T_{1/2}=2.4$  min) has been performed at ISOLDE for the first time in over two decades. Development(s) in data acquisition and analysis techniques allow us to obtain more information from these experiments than was possible in the past.

New findings in group IV semiconductors and oxides ( $\text{ZnO}$ ,  $\text{MgO}$  and  $\text{Al}_2\text{O}_3$ ) will be presented and discussed.

**Author:** Dr JOHNSTON, Karl (ISOLDE/CERN)

**Co-author:** ISOLDE MOSSBAUER COLLABORATION, The

**Presenter:** Dr JOHNSTON, Karl (ISOLDE/CERN)

**Session Classification:** Solid State II