Supporting information for

Magnetic Phase Transition of Ag₂S:Eu Diluted Magnetic Semiconductor Nanoparticles

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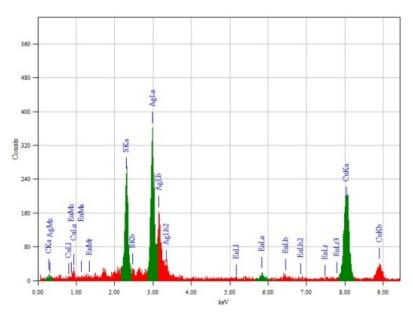


Fig S. 1 EDS spectrum of Ag₂S:Eu (0.64 at%).

 Element
 Weight (%)
 Atom (%)

 S
 26.94
 32.37

 Ag
 72.37
 66.99

 Eu
 0.69
 0.64

 Total
 100%

Table S 1 Element content percentage of the sample.

From the picture, we can observe that there are peaks of Ag, S and Eu elements and there are no other impurity peaks are observed. The peaks of C and Cu elements are from carbon support films and copper mesh. Make several measurements and calculations, then we get the average doping content of the sample which is in Table S1.