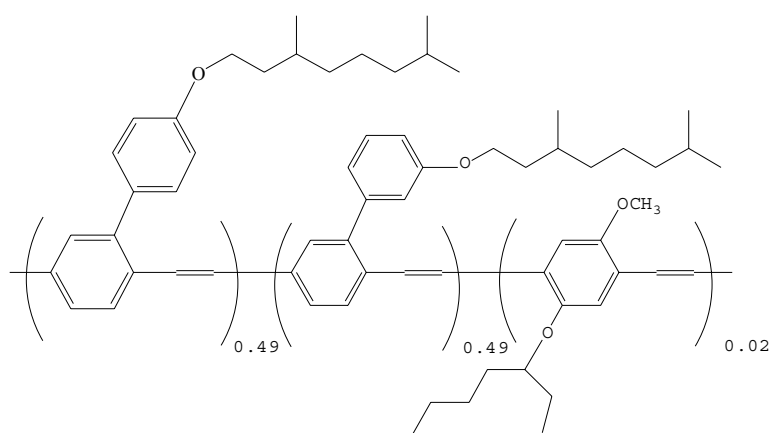


Supplementary material (ESI) for Chemical Communications
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**A facile route to bulk high-Z polymer composites for gamma ray
scintillation**

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Pei*

Electronic Supplementary Information (ESI)



Scheme S1. Chemical structure of P-PPV

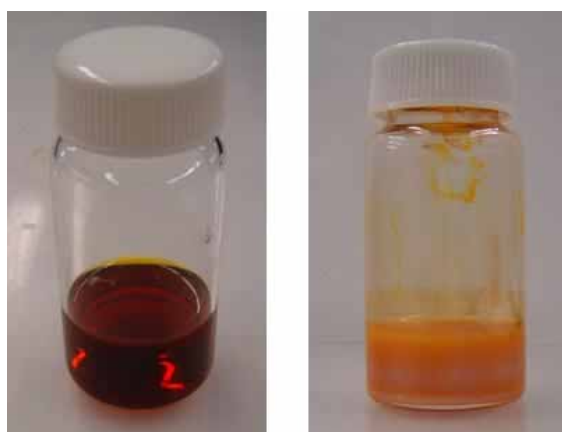


Figure S1. Photographs of BiI_3 -Octylamine complex solutions in THF before (left) and after (right) being heated at 40 °C in air

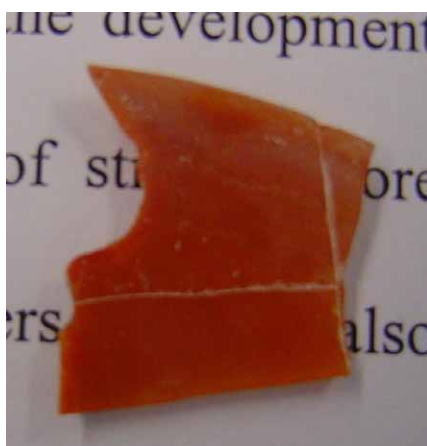


Figure S2. Photograph of a composite containing 10 wt% BiI_3 prepared by initiating the polymerization of TMPTMA in air

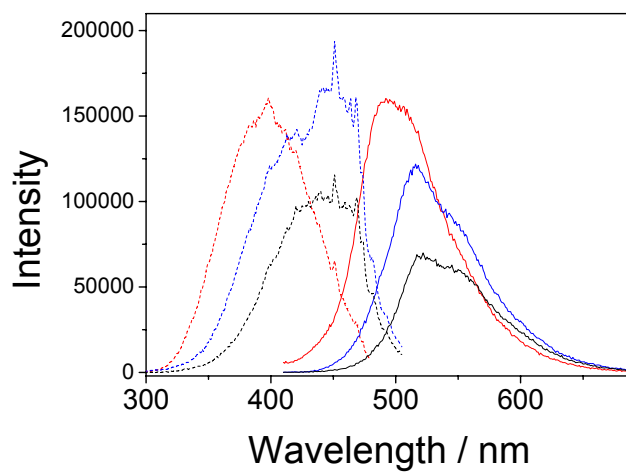


Figure S3. Excitation (dotted) and photoluminescence (solid) spectra of the composite films with specified compositions. (Red) 50% DIB, 0.2% P-PPV; (Blue) 30% BiI₃, 0.2% P-PPV; (Black) 30% BiI₃, 0.5% P-PPV.

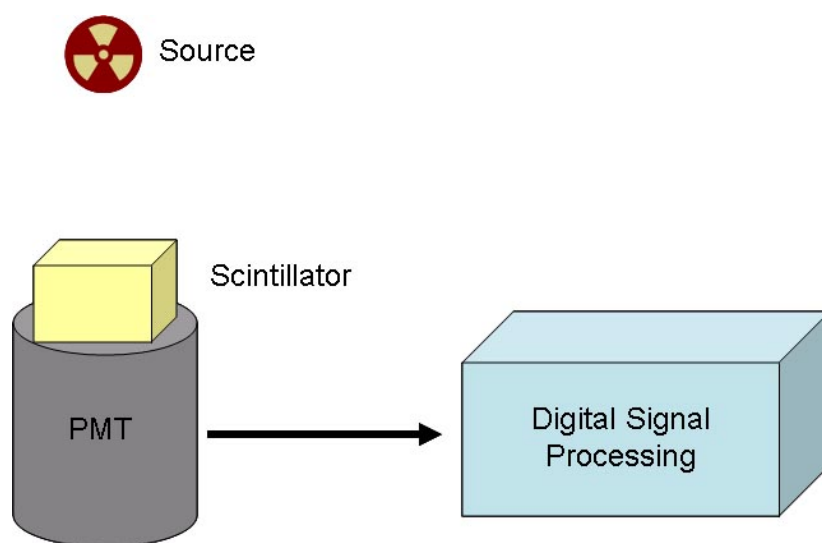


Figure S4. The experimental setup for gamma scintillation measurement