

## Electronic Supplementary Information (ESI)

Energy Transfer and Luminescent Properties of  
 $\text{Ca}_8\text{MgLu}(\text{PO}_4)_7:\text{Tb}^{3+}/\text{Eu}^{3+}$  as a Green-to-red Color Tunable Phosphor  
under NUV Excitation

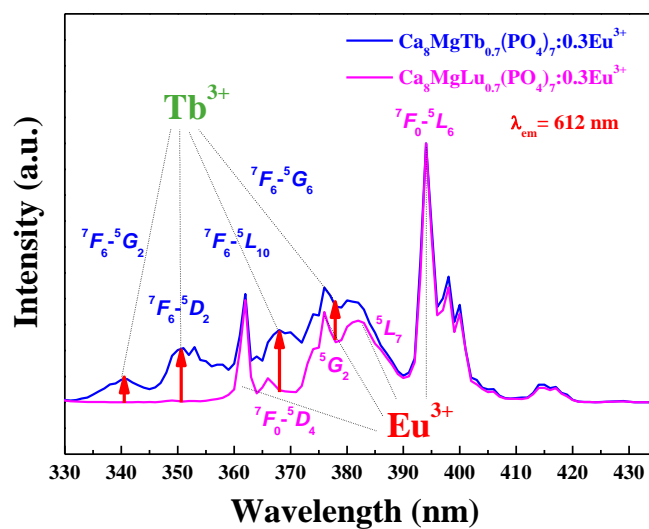
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**Fig. S1** The PLE of  $\text{Ca}_8\text{MgLu}(\text{PO}_4)_7:\text{Eu}^{3+}$  and  $\text{Ca}_8\text{MgTb}(\text{PO}_4)_7:\text{Eu}^{3+}$

**Table S1.** Comparison of the CIE chromaticity coordinates for  $\text{Ca}_8\text{MgTb}_{0.1}(\text{PO}_4)_7:0.9\text{Eu}^{3+}$  excited at 378 nm at different temperatures.

Sample no.	Temperature (°C)	CIE coordinates (x, y)
1	25	(0.628, 0.343)
2	50	(0.629, 0.343)
3	75	(0.630, 0.343)
4	100	(0.629, 0.343)
5	125	(0.524, 0.443)
6	150	(0.630, 0.343)
7	175	(0.629, 0.344)
8	200	(0.628, 0.345)