

S. no.	Type of material	Material	$V_{\text{verdet}}$ (rad Tm <sup>-1</sup> )	Analyzer angle $\alpha_a$ (°)	% increase in sensitivity	Resolution
1	Paramagnetic	TGG	40	42	Datum level	7.30
2	Paramagnetic	Nd <sup>3+</sup> doped TGG	41	42	03	7.12
3	Paramagnetic	Ce <sup>3+</sup> doped TGG	53.2	50	32	5.54
4	Paramagnetic	Dy <sup>3+</sup> doped TGG	60.2	50	50	4.86
5	Paramagnetic	Pr <sup>3+</sup> doped TGG	62.7	50	57	1.16