

**CMS**Relative response  
to laser light1  
0.8  
0.6  
0.4  
0.2  
0 $|\eta| < 1.4$   
 $1.5 < |\eta| < 1.8$   
 $1.8 < |\eta| < 2.1$ 

●

●

●

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 $2.1 < |\eta| < 2.4$   
 $2.4 < |\eta| < 2.7$   
 $2.7 < |\eta|$ 

●

●

●

LHC luminosity  
( $10^{33} \text{ cm}^{-2} \text{ s}^{-1}$ )20  
16  
12  
8  
4  
0**7 TeV****8 TeV****13 TeV**

Run 1

Run 2

04/11 07/11 10/11 04/12 07/12 10/12 01/13 05/15 08/15 11/15 05/16 08/16 11/16 05/17 08/17 11/17 05/18 08/18 11/18

Date (month/year)

