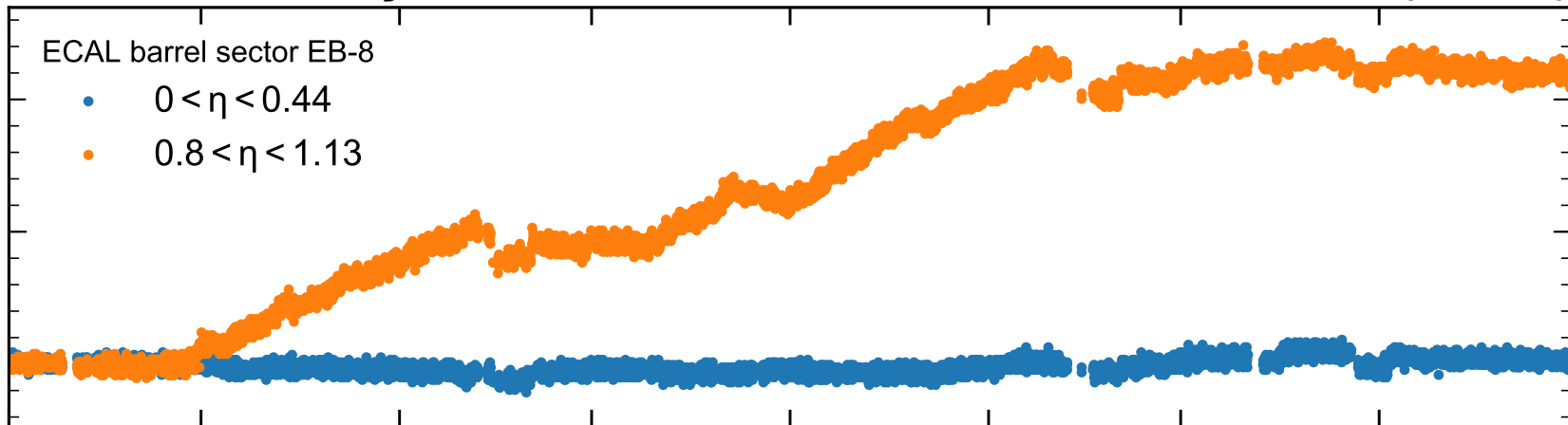


**CMS Preliminary 2018**

**62.8 fb<sup>-1</sup> (13 TeV)**

**Ratio of laser amplitude  
measured by two PN diodes**



**Luminosity  
[10<sup>34</sup> cm<sup>2</sup> s<sup>-1</sup>]**

**Date [year-month]**

